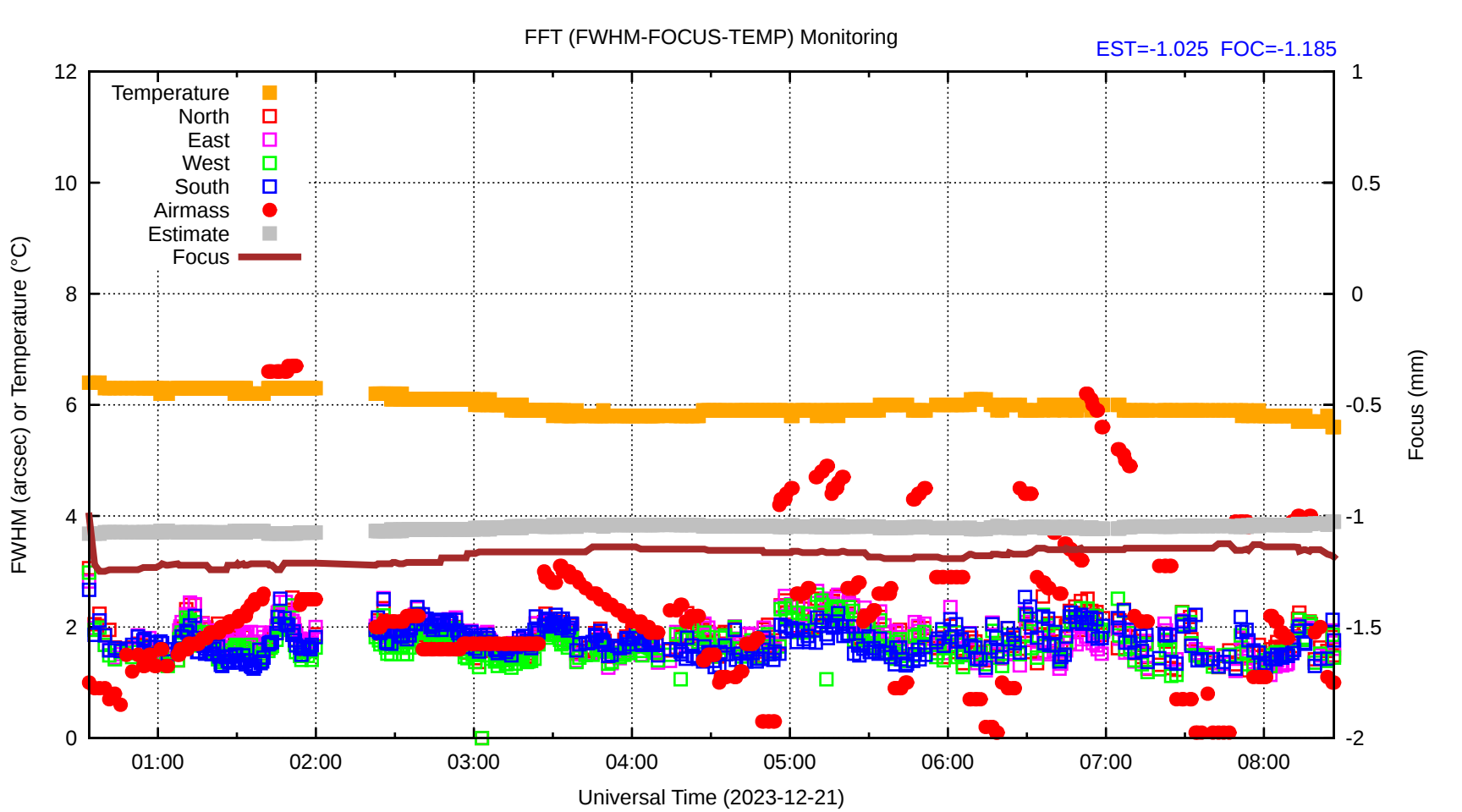
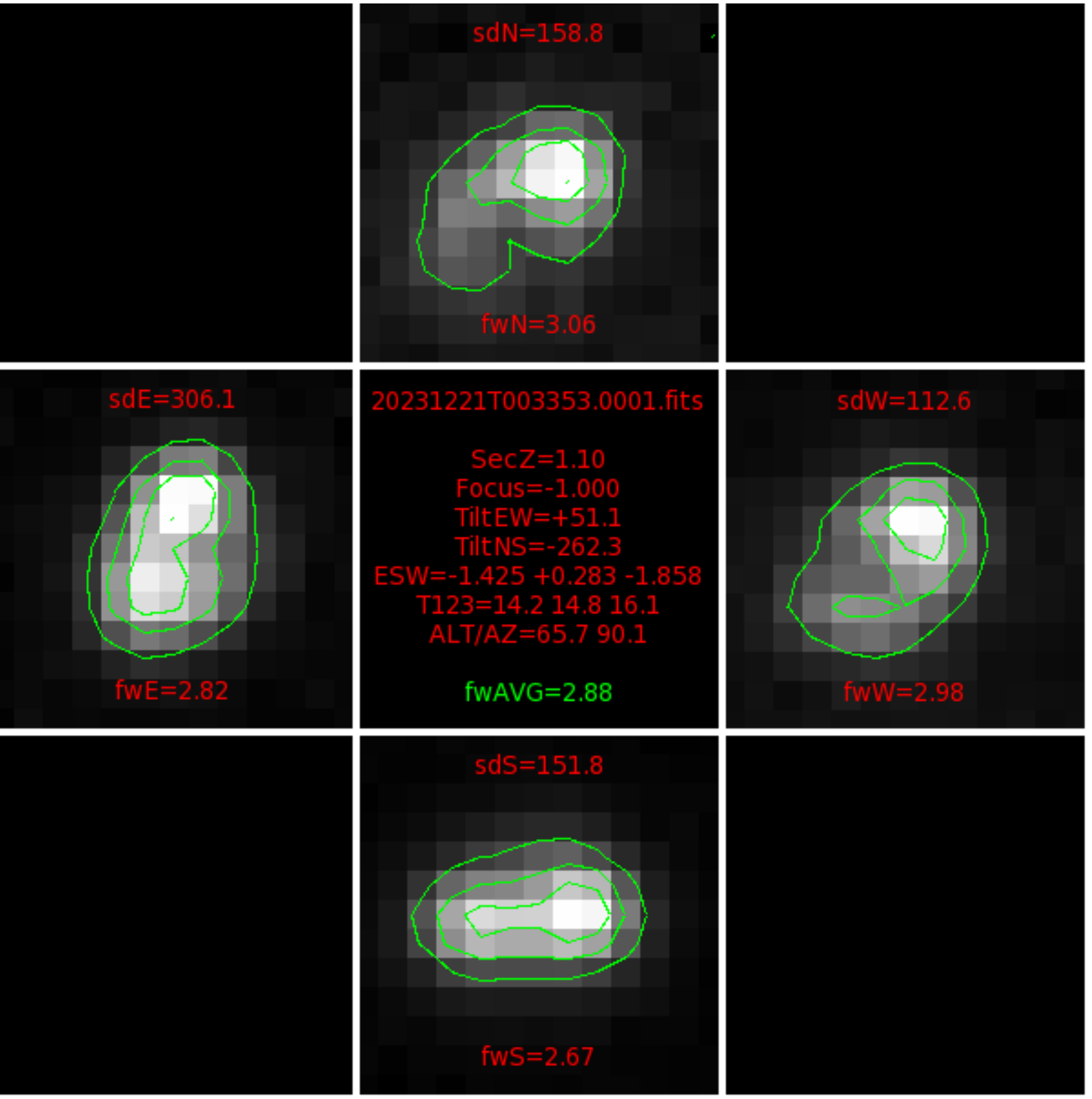

FFT (FWHM-FOCUS-TEMP) Monitoring
EST=-1.025 FOC=-1.185
Temperature
North
East
West
South
Airmass
Estimate
Focus
FWHM (arcsec) or Temperature (°C)
Focus (mm)
Universal Time (2023-12-21)
0
2
4
6
8
10
12
-2
-1.5
-1
-0.5
0
0.5
1
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00


sdN=158.8
fwN=3.06
sdE=306.1
fwE=2.82
20231221T003353.0001.fits
SecZ=1.10
Focus=-1.000
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.425 +0.283 -1.858
T123=14.2 14.8 16.1
ALT/AZ=65.7 90.1
fwAVG=2.88
sdW=112.6
fwW=2.98
sdS=151.8
fwS=2.67
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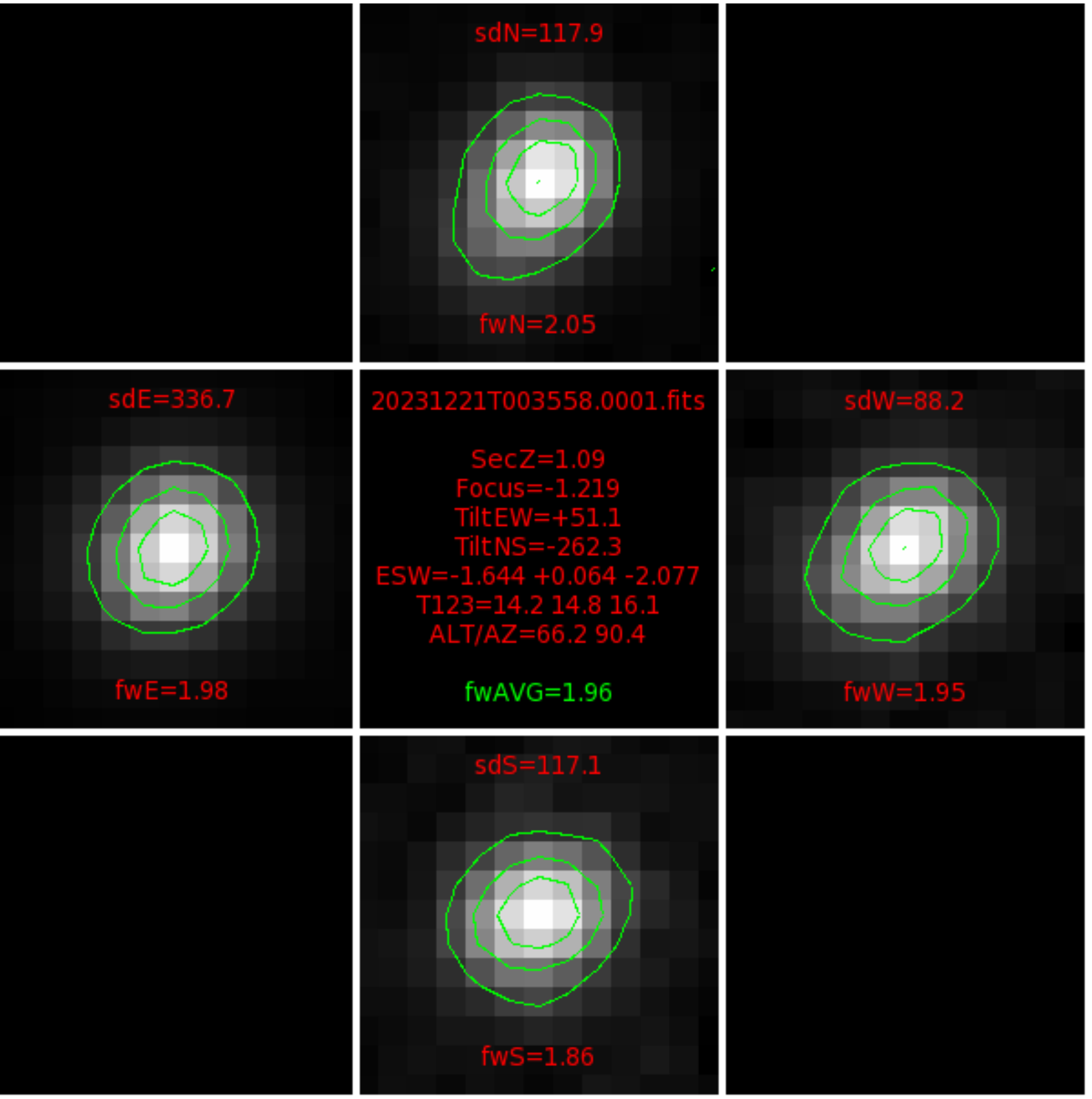
sdN=117.9
fwN=2.05
sdE=336.7
fwE=1.98
20231221T003558.0001.fits
SecZ=1.09
Focus=-1.219
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.644 +0.064 -2.077
T123=14.2 14.8 16.1
ALT/AZ=66.2 90.4
fwAVG=1.96
sdW=88.2
fwW=1.95
sdS=117.1
fwS=1.86
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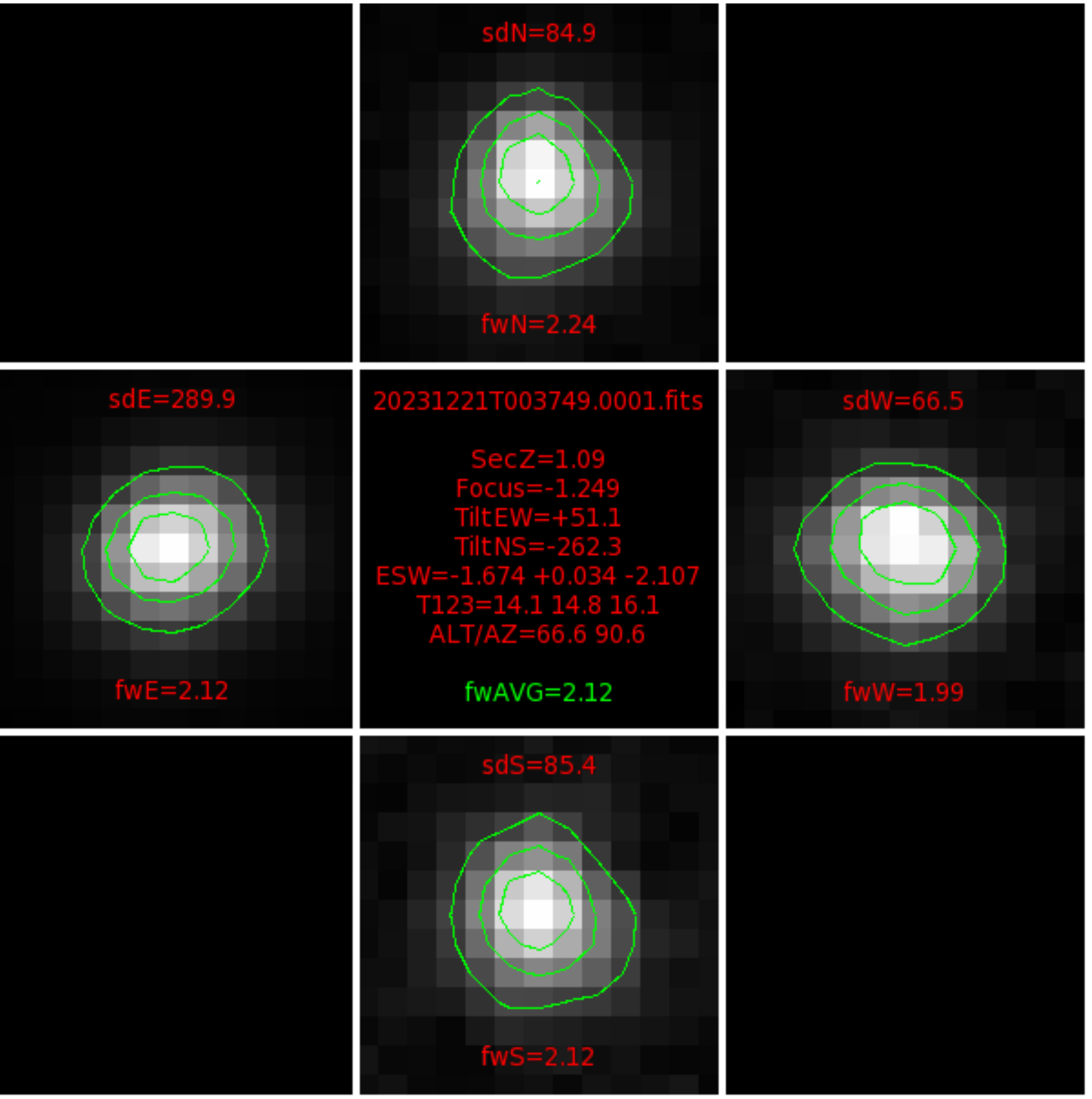
sdN=84.9
fwN=2.24
sdE=289.9
fwE=2.12
20231221T003749.0001.fits
SecZ=1.09
Focus=-1.249
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.674 +0.034 -2.107
T123=14.1 14.8 16.1
ALT/AZ=66.6 90.6
fwAVG=2.12
sdW=66.5
fwW=1.99
sdS=85.4
fwS=2.12
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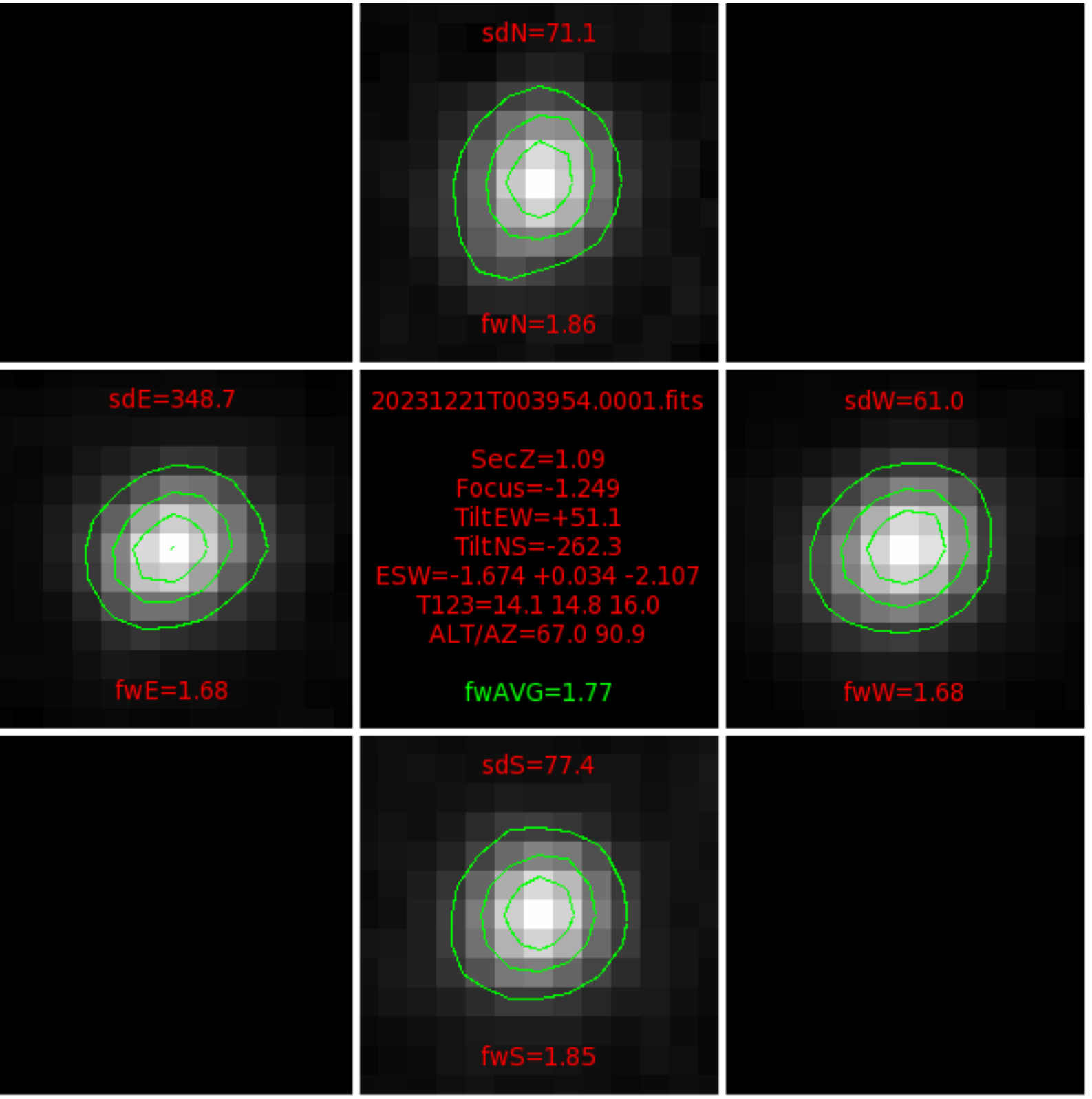
sdN=71.1
fwN=1.86
sdE=348.7
fwE=1.68
20231221T003954.0001.fits
SecZ=1.09
Focus=-1.249
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.674 +0.034 -2.107
T123=14.1 14.8 16.0
ALT/AZ=67.0 90.9
fwAVG=1.77
sdW=61.0
fwW=1.68
sdS=77.4
fwS=1.85
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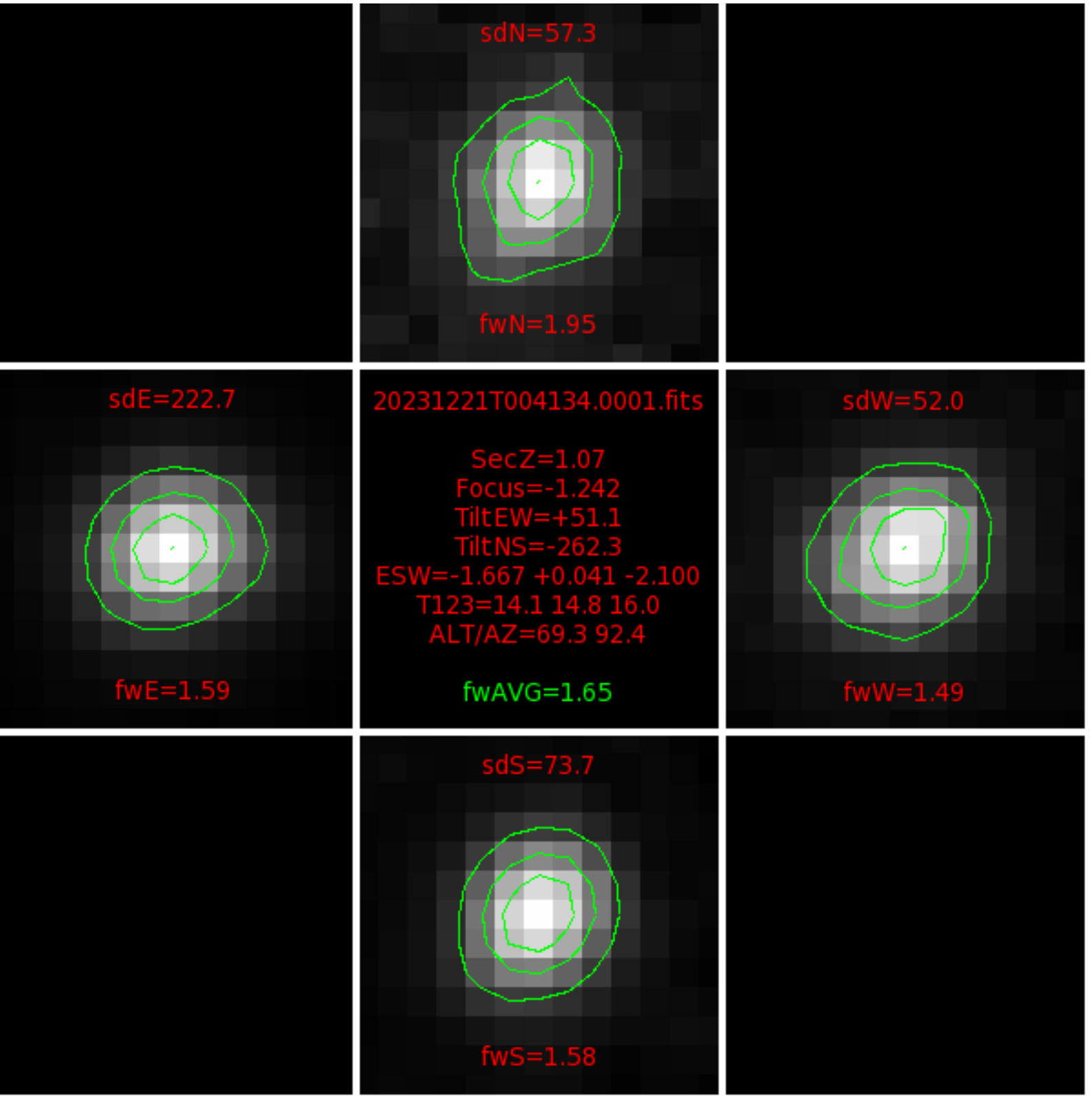
sdN=57.3
fwN=1.95
sdE=222.7
fwE=1.59
20231221T004134.0001.fits
SecZ=1.07
Focus=-1.242
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.667 +0.041 -2.100
T123=14.1 14.8 16.0
ALT/AZ=69.3 92.4
fwAVG=1.65
sdW=52.0
fwW=1.49
sdS=73.7
fwS=1.58
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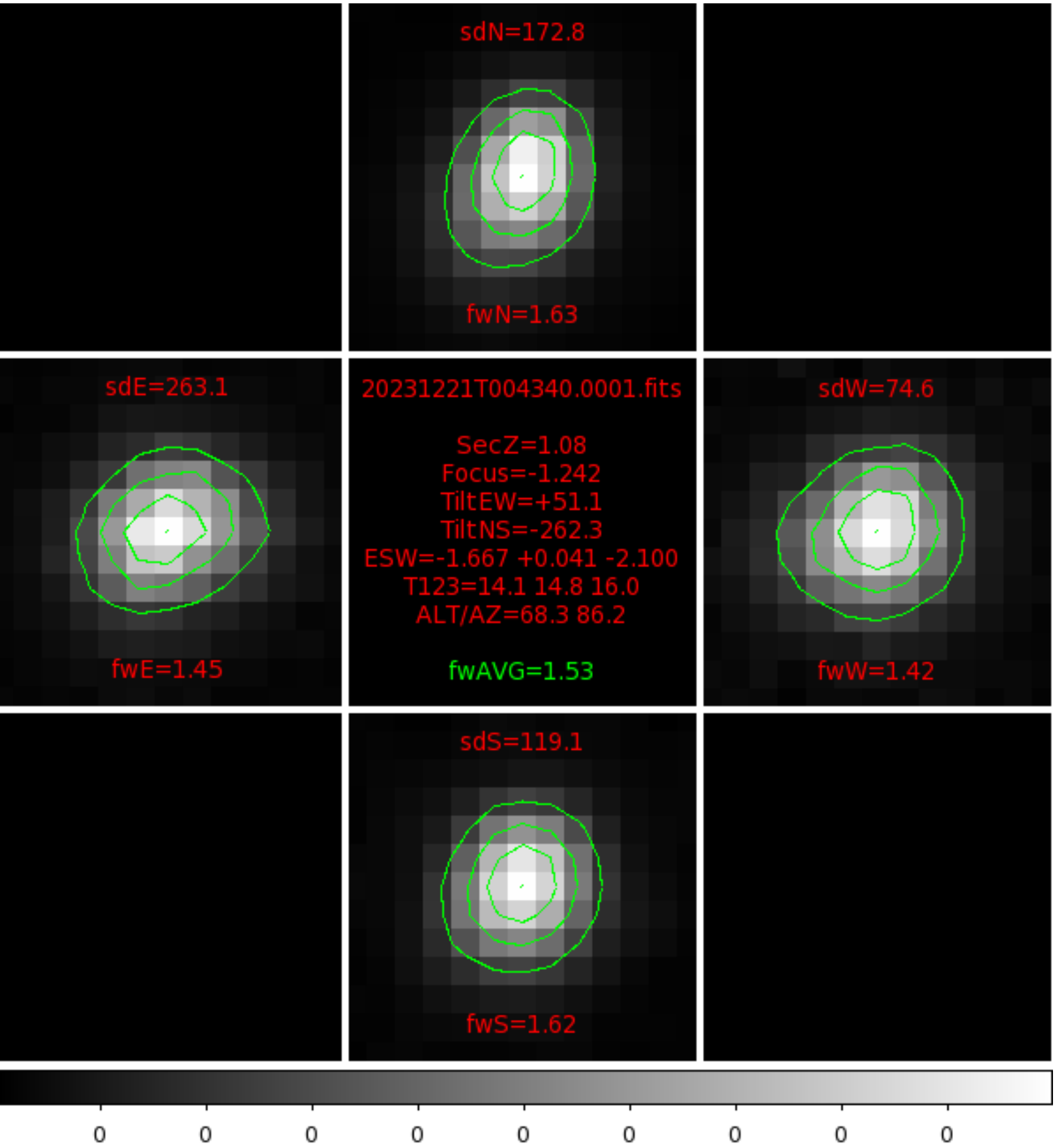
sdN=172.8
fwN=1.63
sdE=263.1
fwE=1.45
20231221T004340.0001.fits
SecZ=1.08
Focus=-1.242
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.667 +0.041 -2.100
T123=14.1 14.8 16.0
ALT/AZ=68.3 86.2
fwAVG=1.53
sdW=74.6
fwW=1.42
sdS=119.1
fwS=1.62
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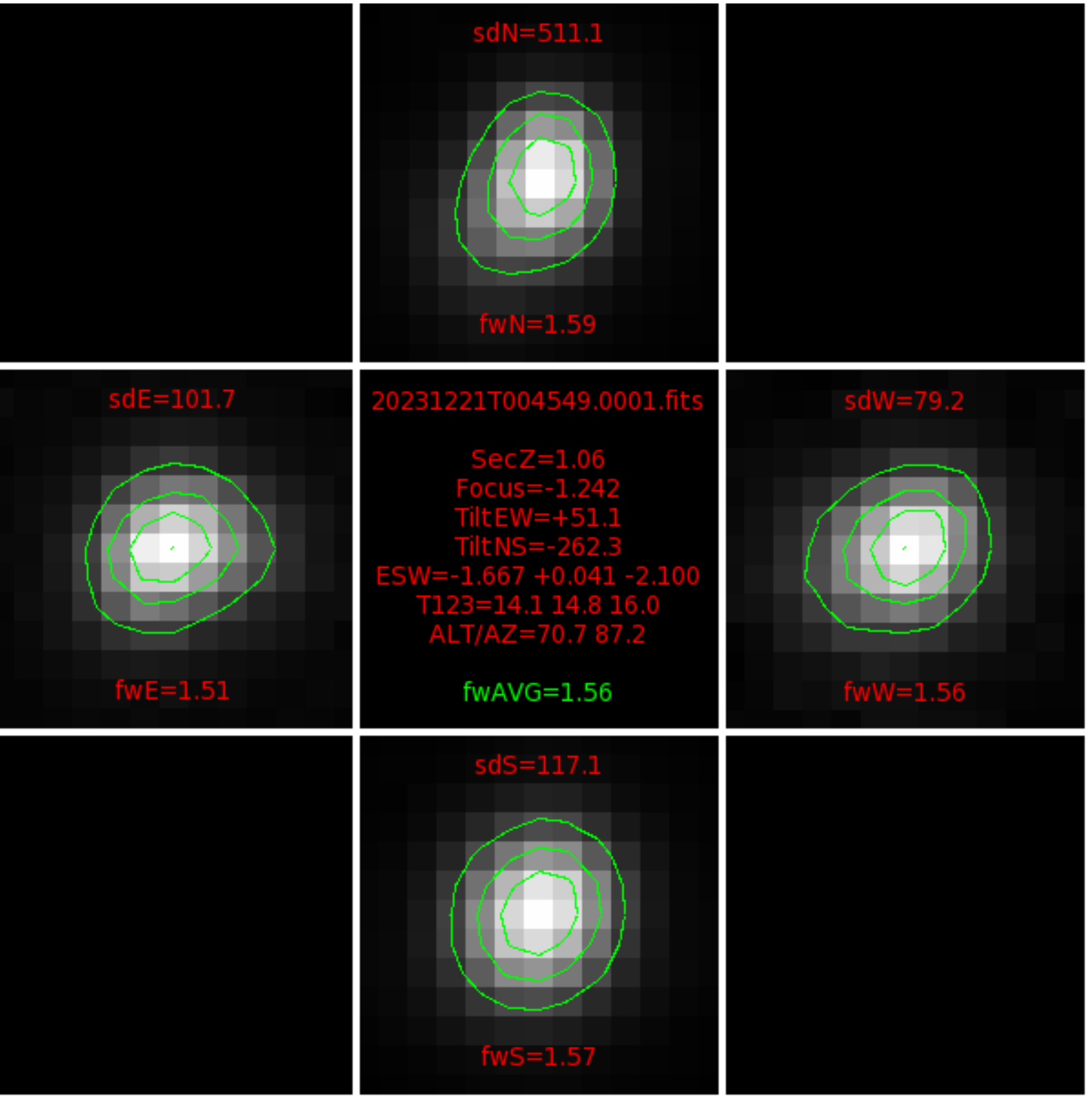
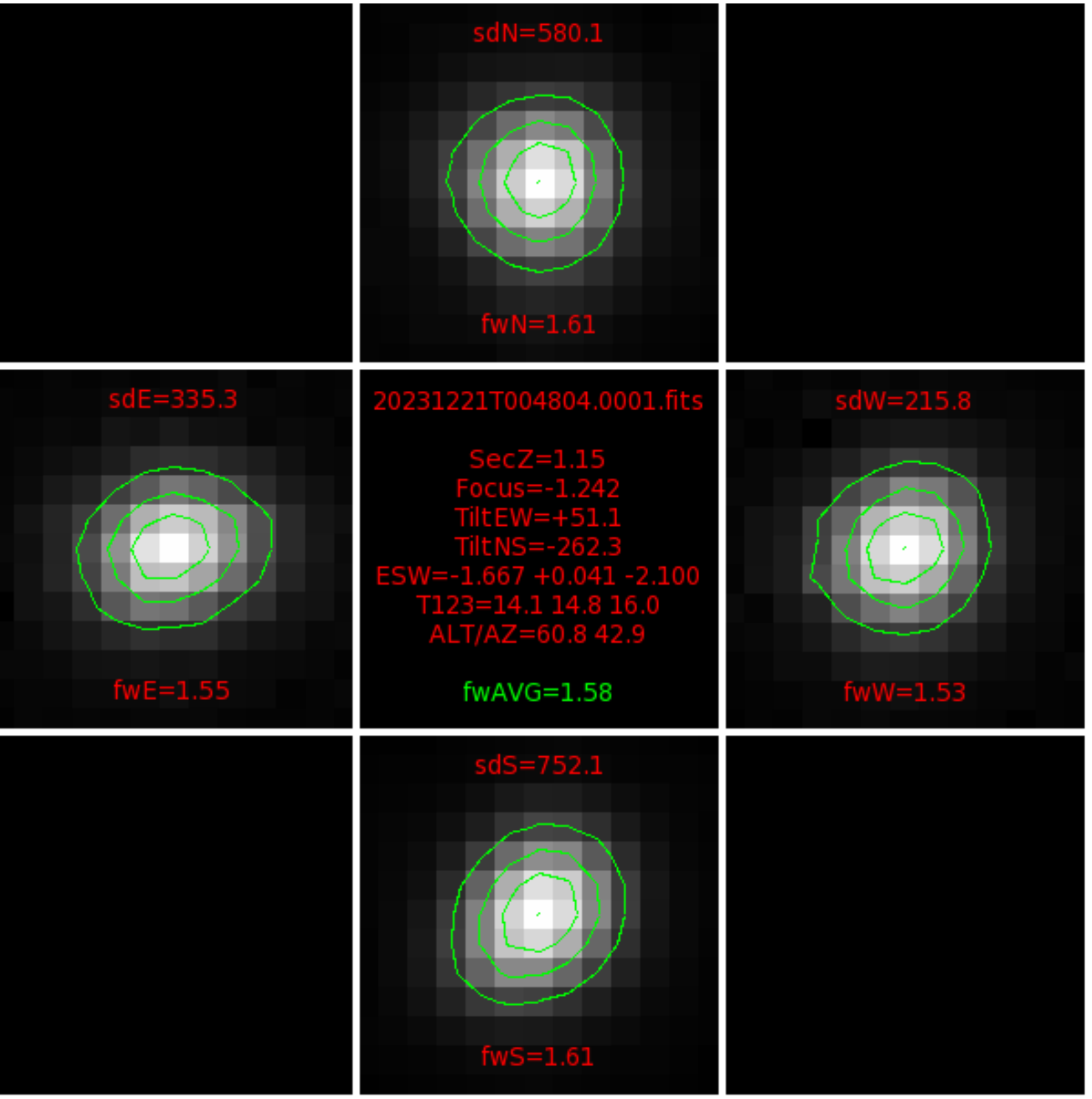
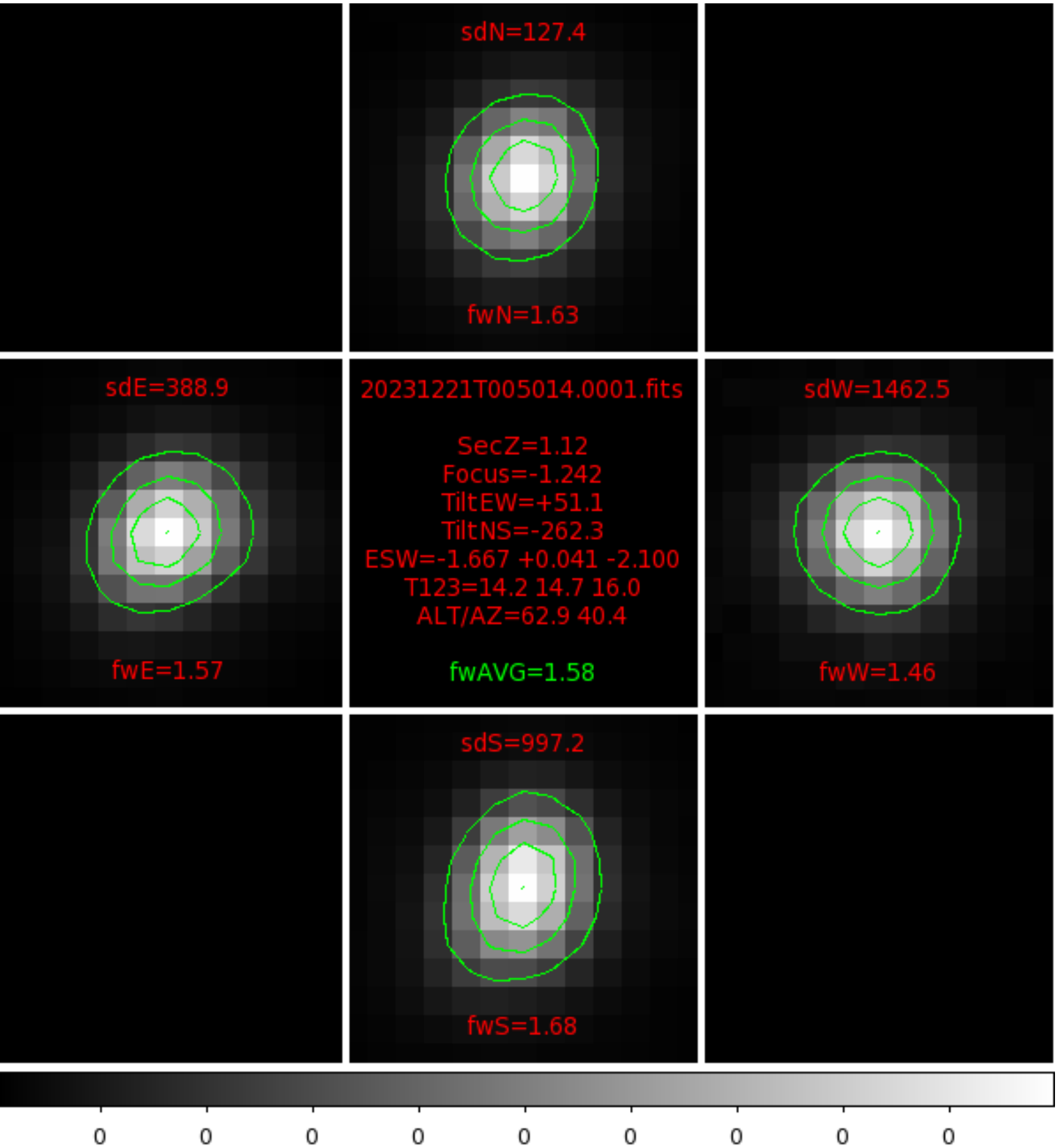
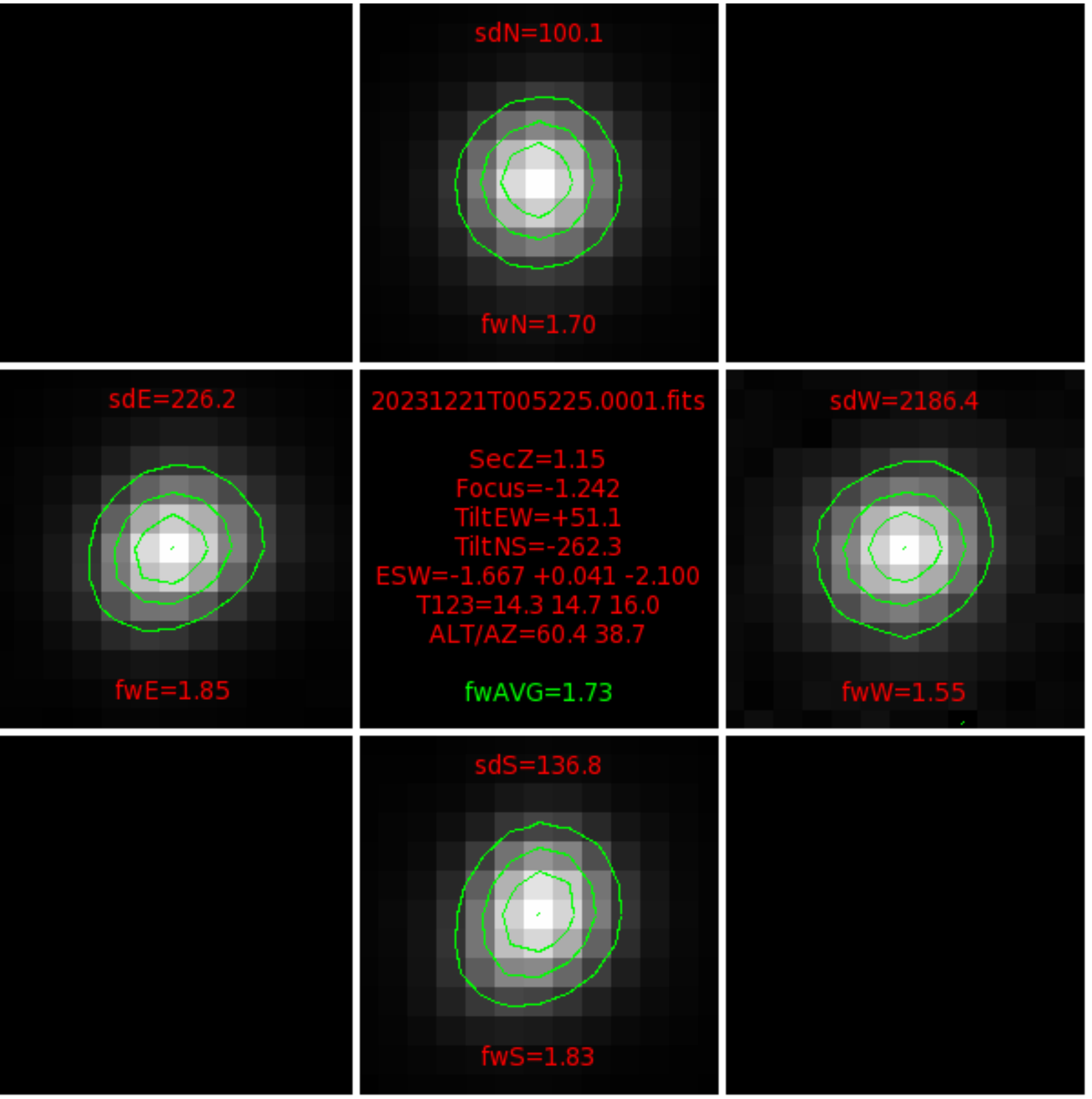

sdN=511.1
fwN=1.59
sdE=101.7
fwE=1.51
20231221T004549.0001.fits
SecZ=1.06
Focus=-1.242
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.667 +0.041 -2.100
T123=14.1 14.8 16.0
ALT/AZ=70.7 87.2
fwAVG=1.56
sdW=79.2
fwW=1.56
sdS=117.1
fwS=1.57
0 0 0 0 0 0 0 0 0


sdN=580.1
fwN=1.61
sdE=335.3
fwE=1.55
20231221T004804.0001.fits
SecZ=1.15
Focus=-1.242
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.667 +0.041 -2.100
T123=14.1 14.8 16.0
ALT/AZ=60.8 42.9
fwAVG=1.58
sdW=215.8
fwW=1.53
sdS=752.1
fwS=1.61
0 0 0 0 0 0 0 0 0


sdN=127.4
fwN=1.63
sdE=388.9
fwE=1.57
20231221T005014.0001.fits
SecZ=1.12
Focus=-1.242
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.667 +0.041 -2.100
T123=14.2 14.7 16.0
ALT/AZ=62.9 40.4
fwAVG=1.58
sdW=1462.5
fwW=1.46
sdS=997.2
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=100.1
fwN=1.70
sdE=226.2
fwE=1.85
20231221T005225.0001.fits
SecZ=1.15
Focus=-1.242
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.667 +0.041 -2.100
T123=14.3 14.7 16.0
ALT/AZ=60.4 38.7
fwAVG=1.73
sdW=2186.4
fwW=1.55
sdS=136.8
fwS=1.83
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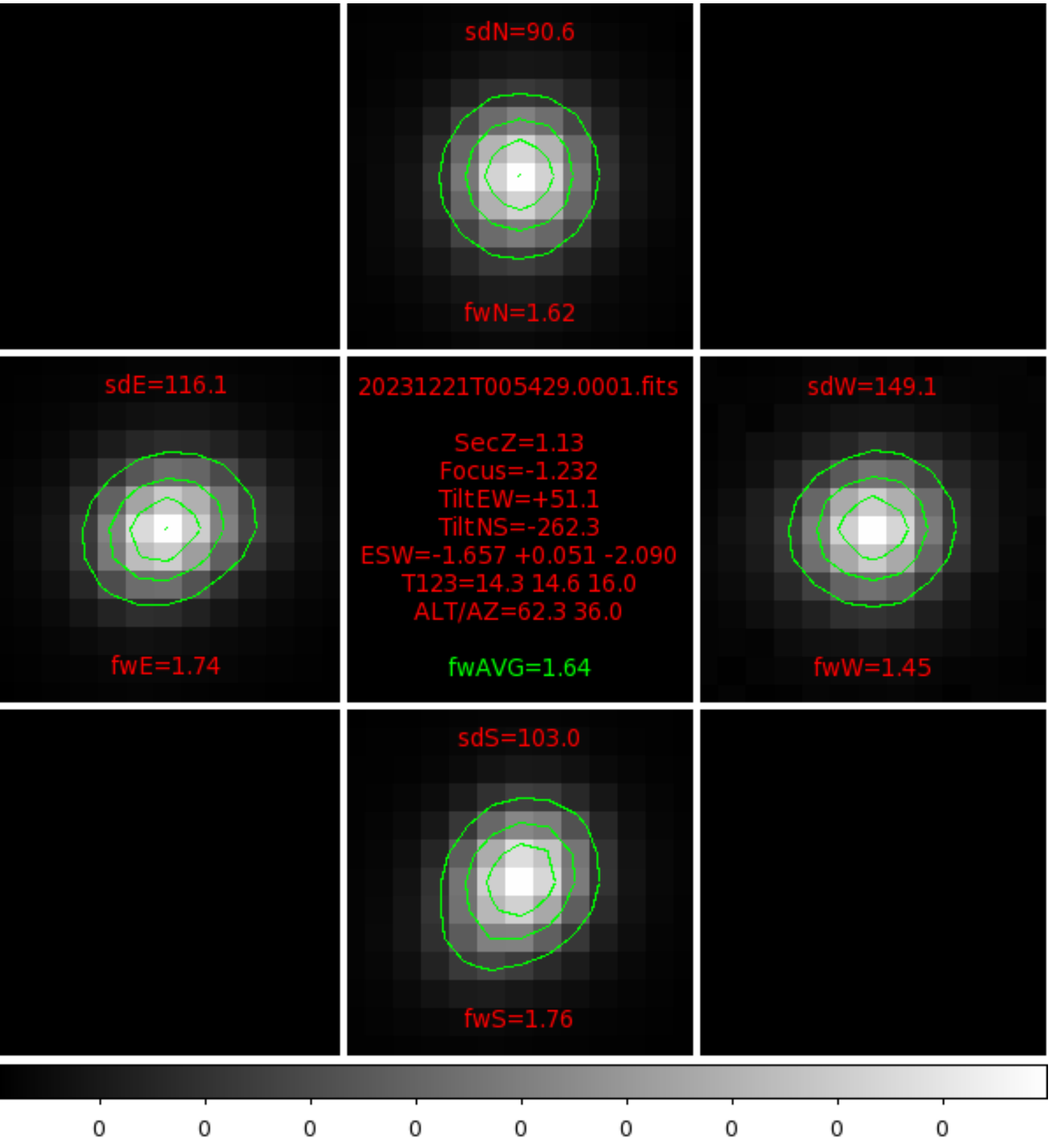
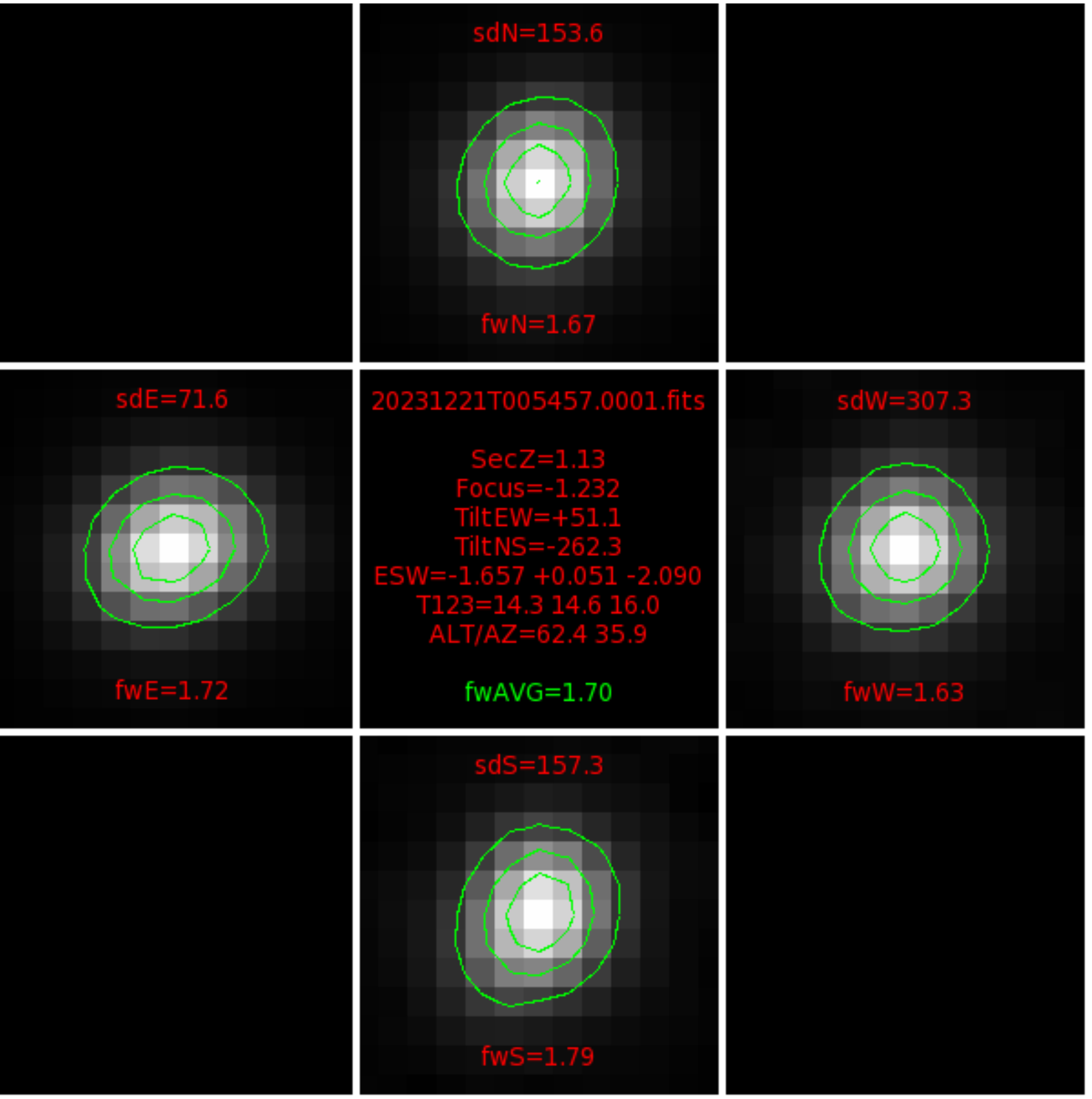
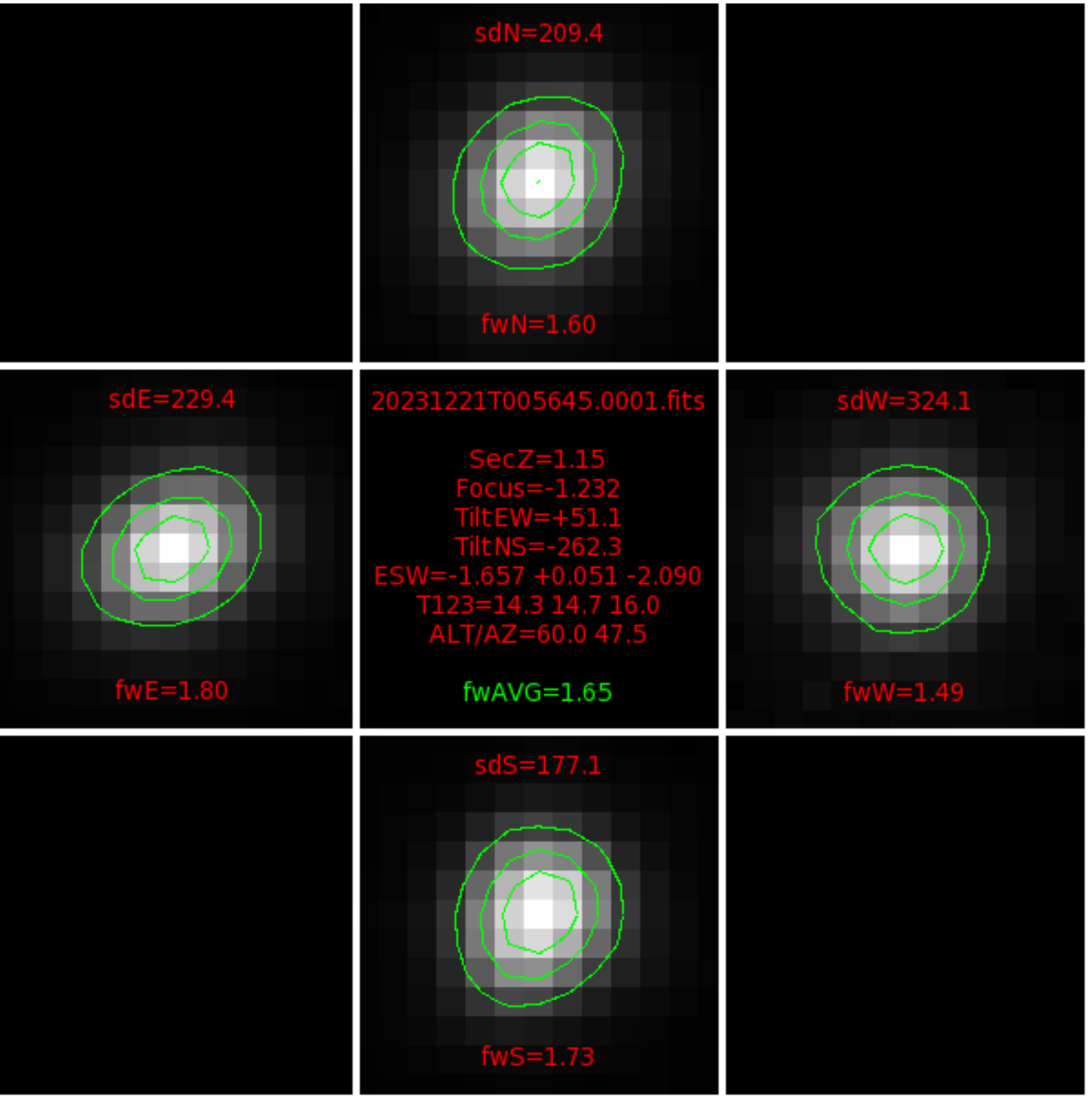
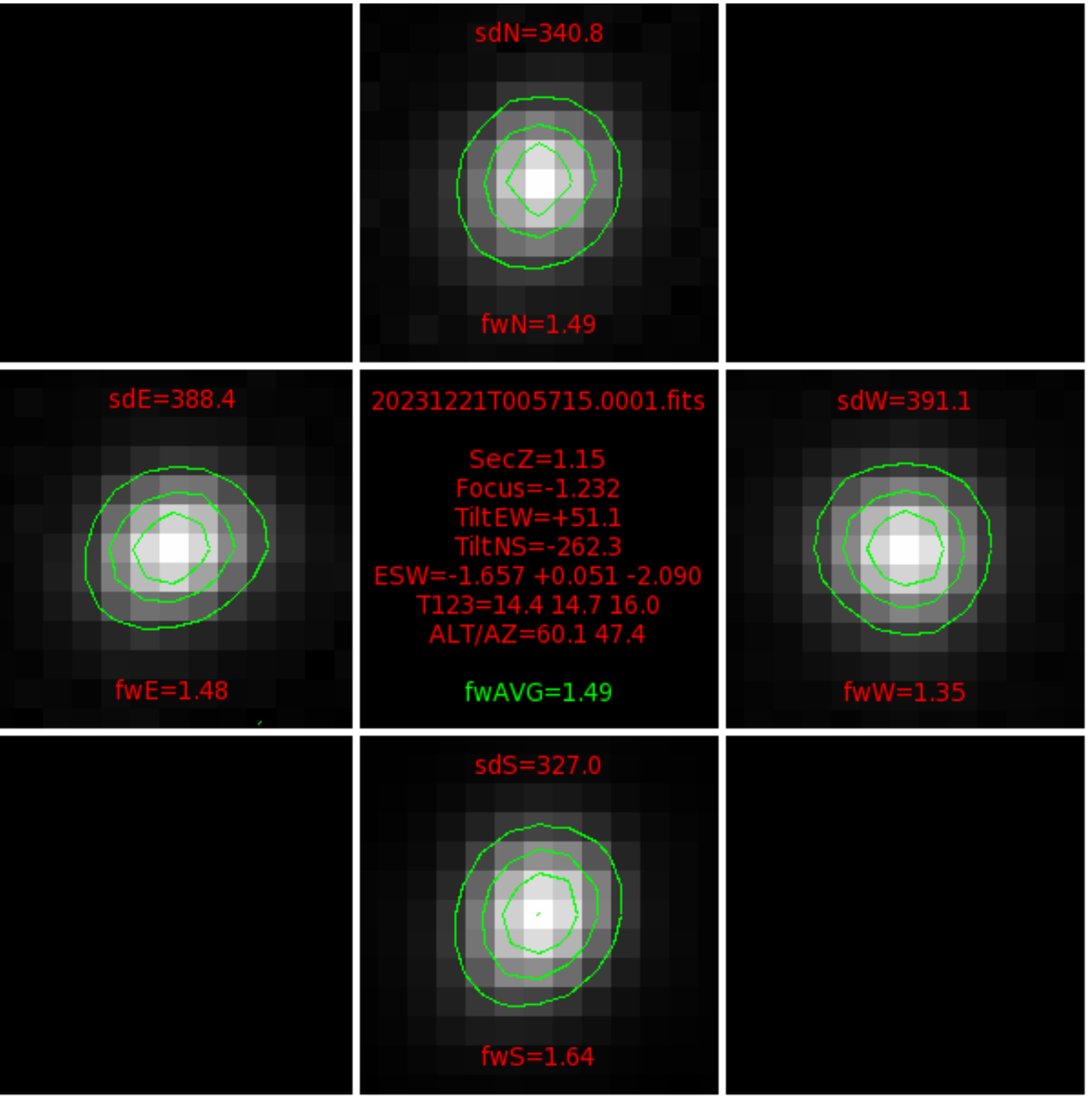
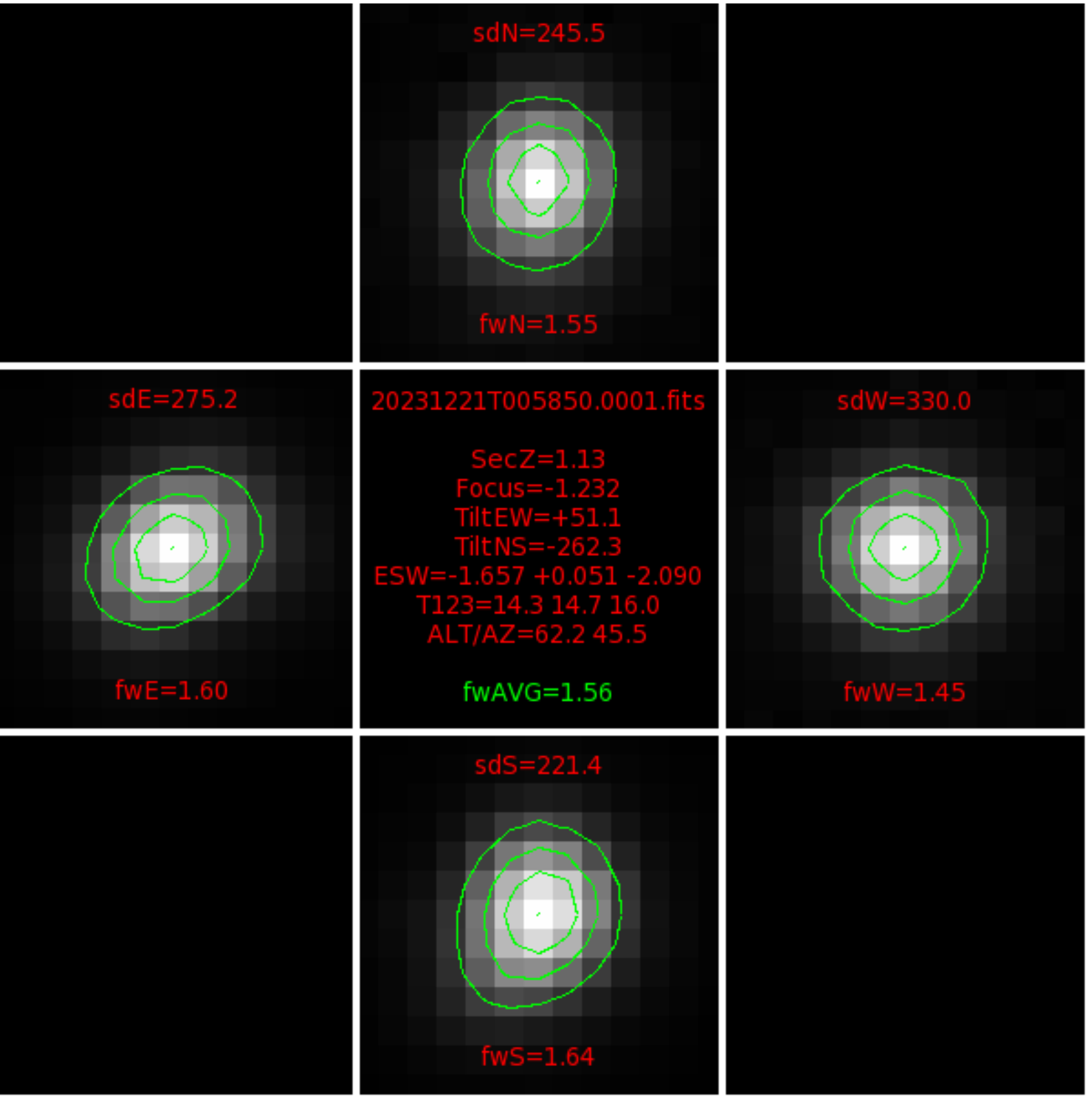

sdN=90.6
fwN=1.62
sdE=116.1
fwE=1.74
20231221T005429.0001.fits
SecZ=1.13
Focus=-1.232
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.657 +0.051 -2.090
T123=14.3 14.6 16.0
ALT/AZ=62.3 36.0
fwAVG=1.64
sdW=149.1
fwW=1.45
sdS=103.0
fwS=1.76
0 0 0 0 0 0 0 0 0


sdN=153.6
fwN=1.67
sdE=71.6
fwE=1.72
20231221T005457.0001.fits
SecZ=1.13
Focus=-1.232
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.657 +0.051 -2.090
T123=14.3 14.6 16.0
ALT/AZ=62.4 35.9
fwAVG=1.70
sdW=307.3
fwW=1.63
sdS=157.3
fwS=1.79
0 0 0 0 0 0 0 0 0


sdN=209.4
fwN=1.60
sdE=229.4
fwE=1.80
20231221T005645.0001.fits
SecZ=1.15
Focus=-1.232
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.657 +0.051 -2.090
T123=14.3 14.7 16.0
ALT/AZ=60.0 47.5
fwAVG=1.65
sdW=324.1
fwW=1.49
sdS=177.1
fwS=1.73
0 0 0 0 0 0 0 0 0


sdN=340.8
fwN=1.49
sdE=388.4
fwE=1.48
20231221T005715.0001.fits
SecZ=1.15
Focus=-1.232
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.657 +0.051 -2.090
T123=14.4 14.7 16.0
ALT/AZ=60.1 47.4
fwAVG=1.49
sdW=391.1
fwW=1.35
sdS=327.0
fwS=1.64
0 0 0 0 0 0 0 0 0


sdN=245.5
fwN=1.55
sdE=275.2
fwE=1.60
20231221T005850.0001.fits
SecZ=1.13
Focus=-1.232
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.657 +0.051 -2.090
T123=14.3 14.7 16.0
ALT/AZ=62.2 45.5
fwAVG=1.56
sdW=330.0
fwW=1.45
sdS=221.4
fwS=1.64
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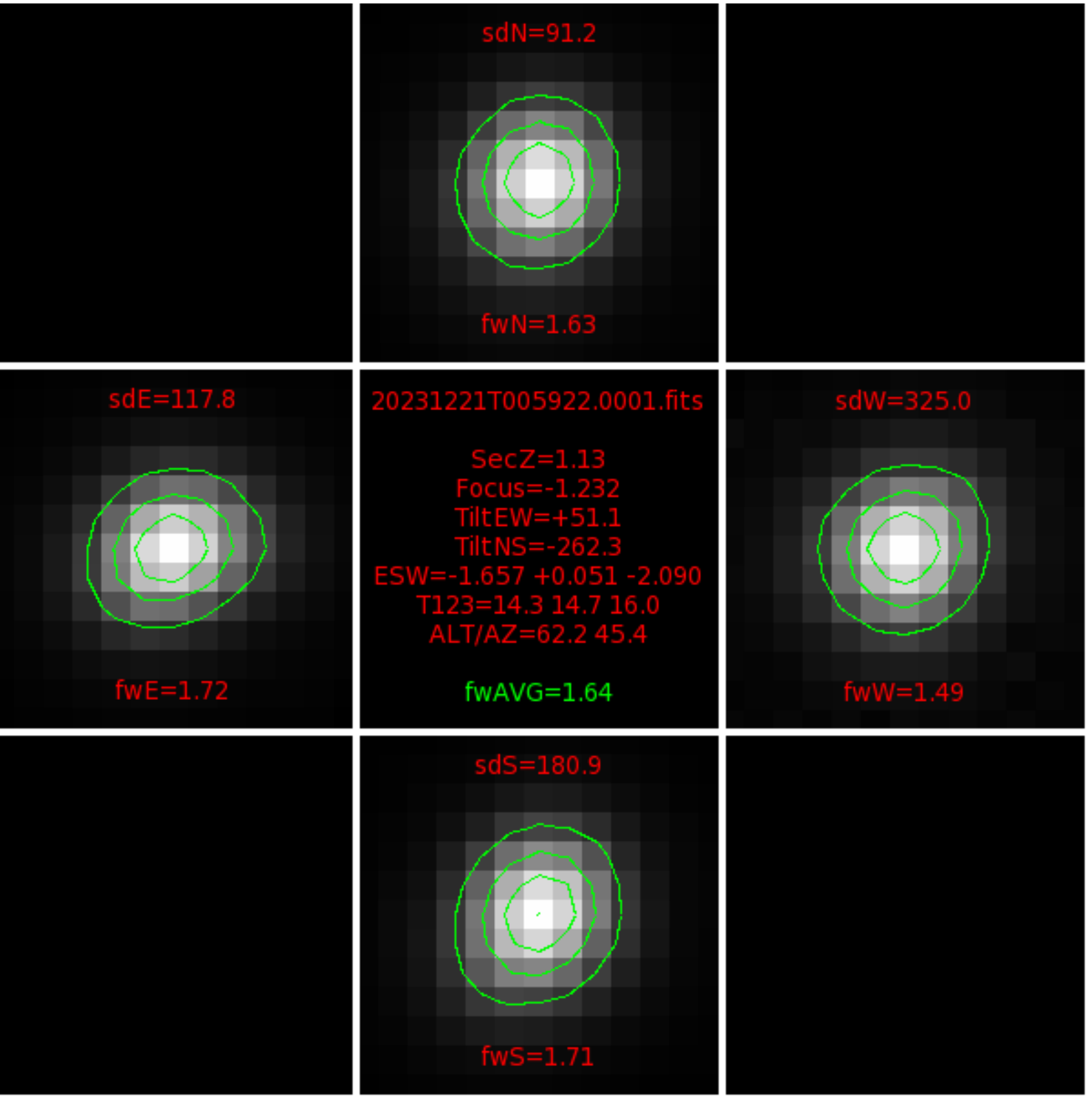
sdN=91.2
fwN=1.63
sdE=117.8
fwE=1.72
20231221T005922.0001.fits
SecZ=1.13
Focus=-1.232
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.657 +0.051 -2.090
T123=14.3 14.7 16.0
ALT/AZ=62.2 45.4
fwAVG=1.64
sdW=325.0
fwW=1.49
sdS=180.9
fwS=1.71
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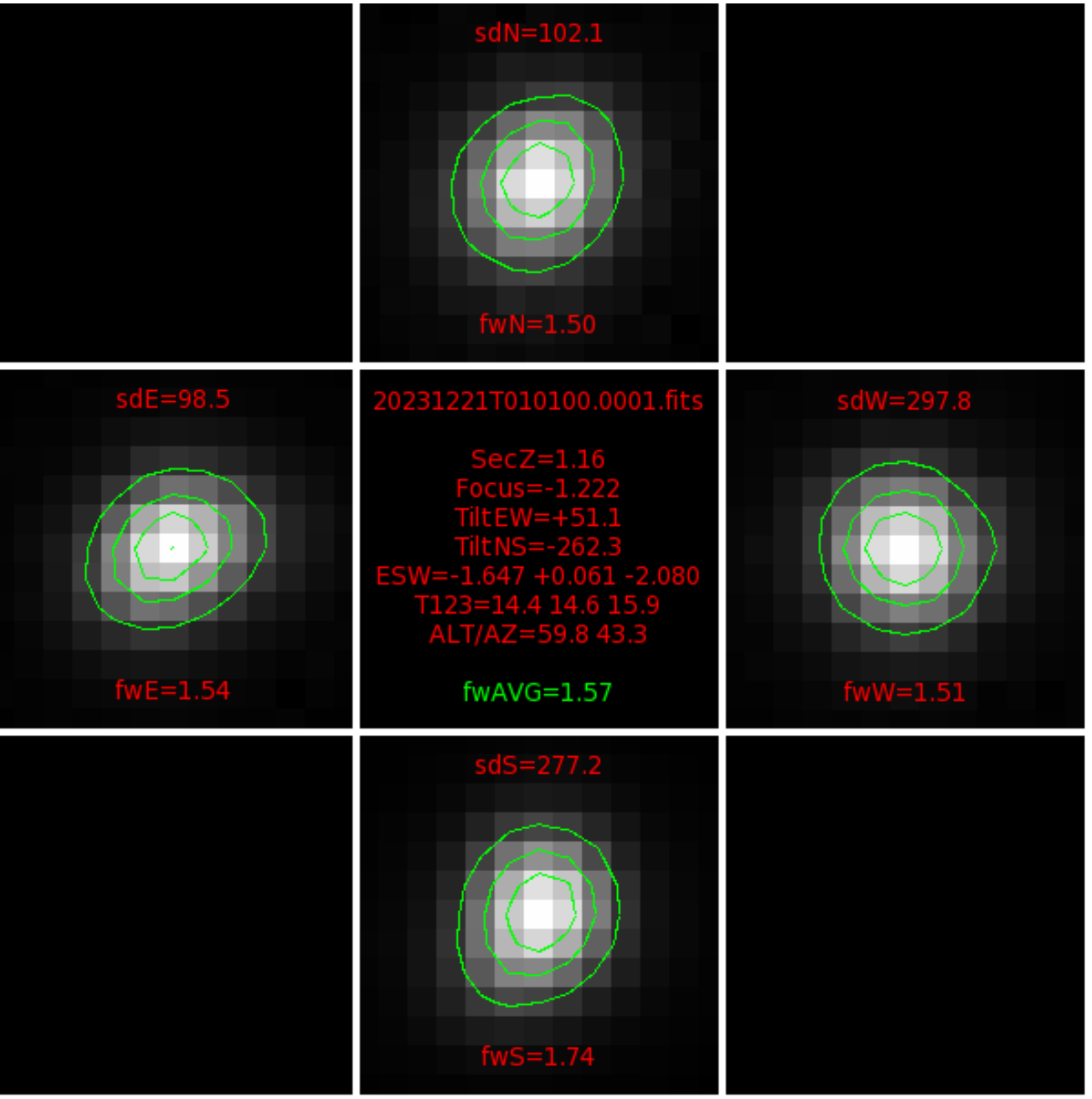
sdN=102.1
fwN=1.50
sdE=98.5
fwE=1.54
20231221T010100.0001.fits
SecZ=1.16
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.4 14.6 15.9
ALT/AZ=59.8 43.3
fwAVG=1.57
sdW=297.8
fwW=1.51
sdS=277.2
fwS=1.74
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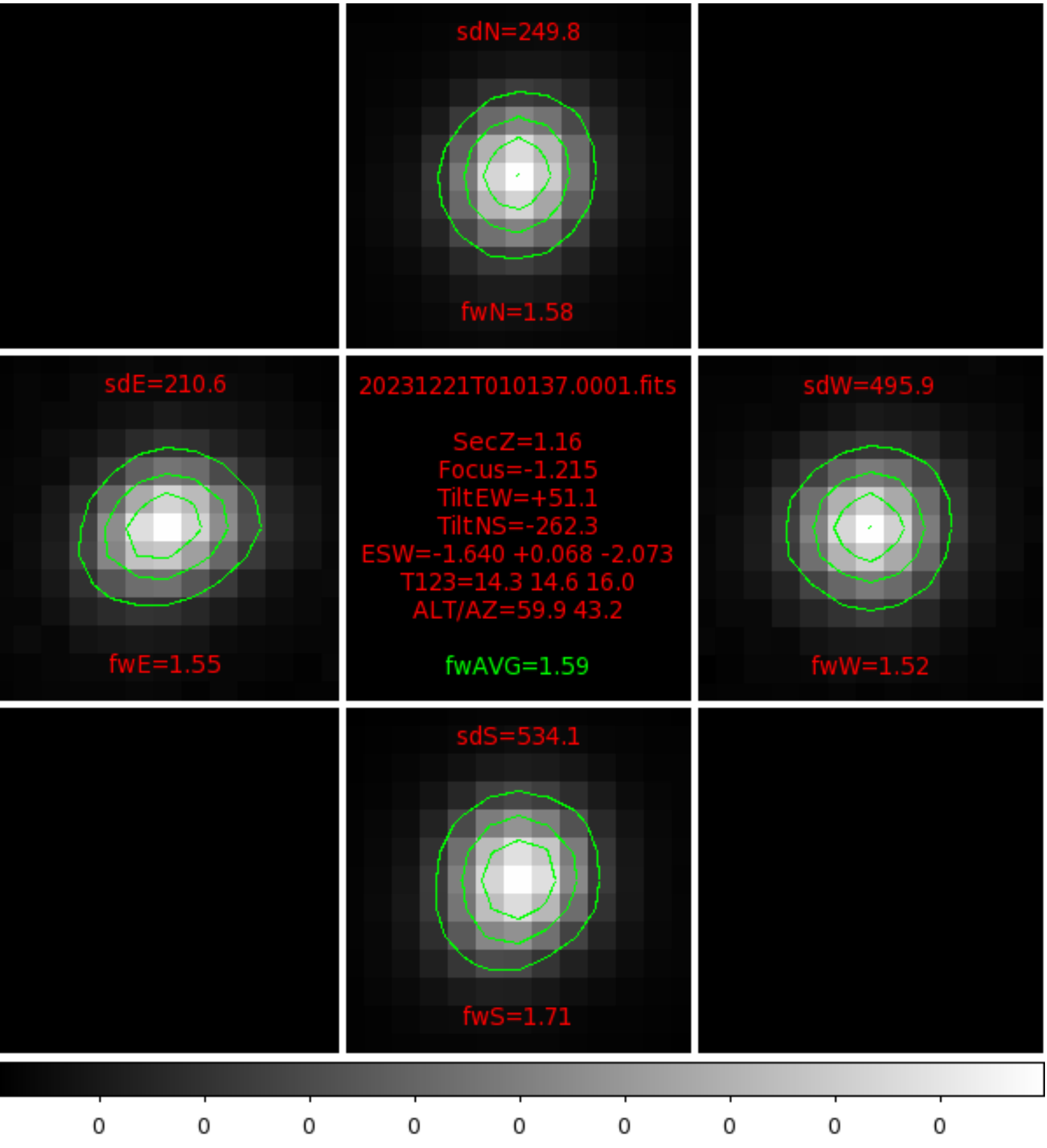
sdN=249.8
fwN=1.58
sdE=210.6
fwE=1.55
20231221T010137.0001.fits
SecZ=1.16
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=14.3 14.6 16.0
ALT/AZ=59.9 43.2
fwAVG=1.59
sdW=495.9
fwW=1.52
sdS=534.1
fwS=1.71
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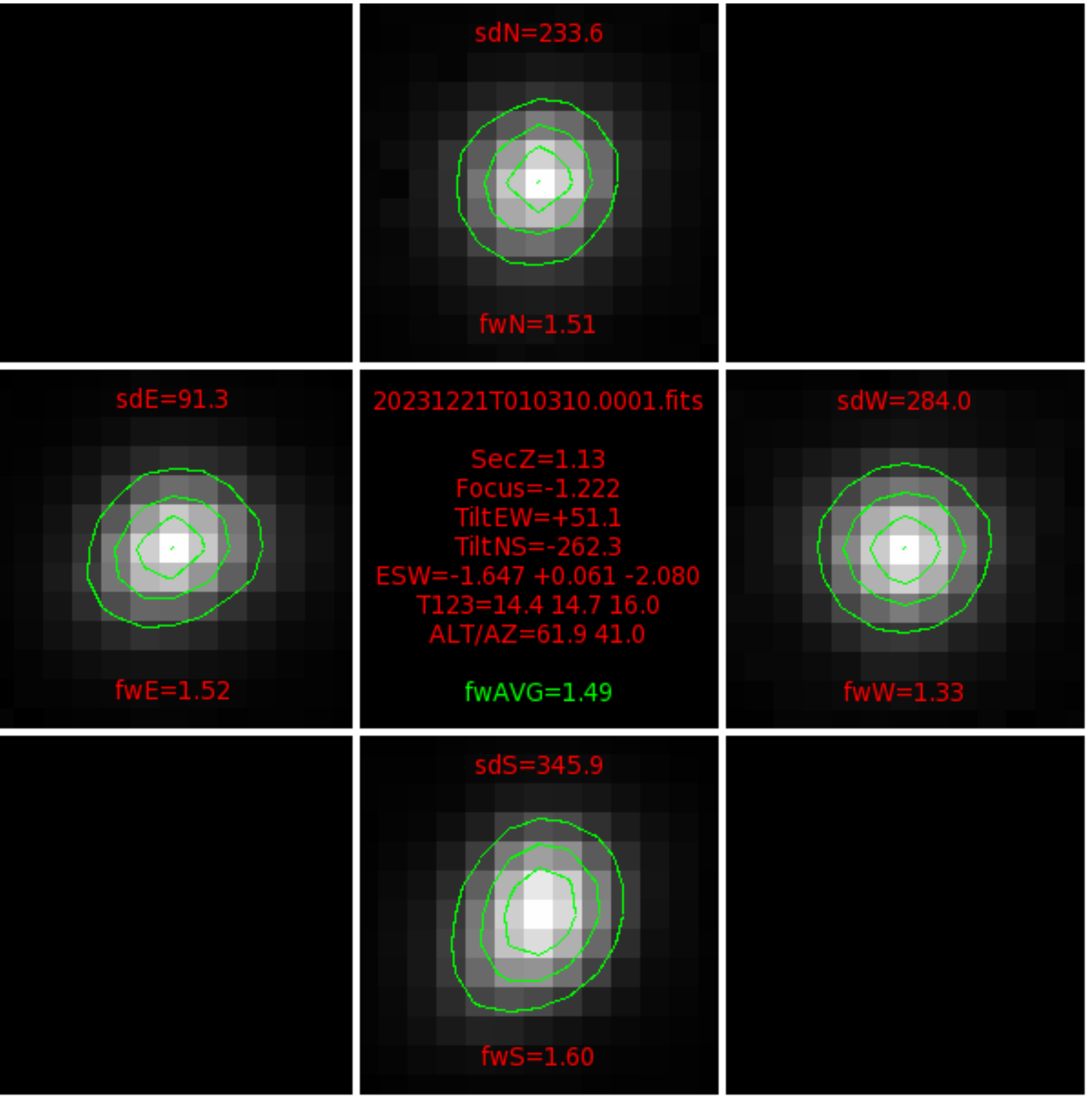
sdN=233.6
fwN=1.51
sdE=91.3
fwE=1.52
20231221T010310.0001.fits
SecZ=1.13
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.4 14.7 16.0
ALT/AZ=61.9 41.0
fwAVG=1.49
sdW=284.0
fwW=1.33
sdS=345.9
fwS=1.60
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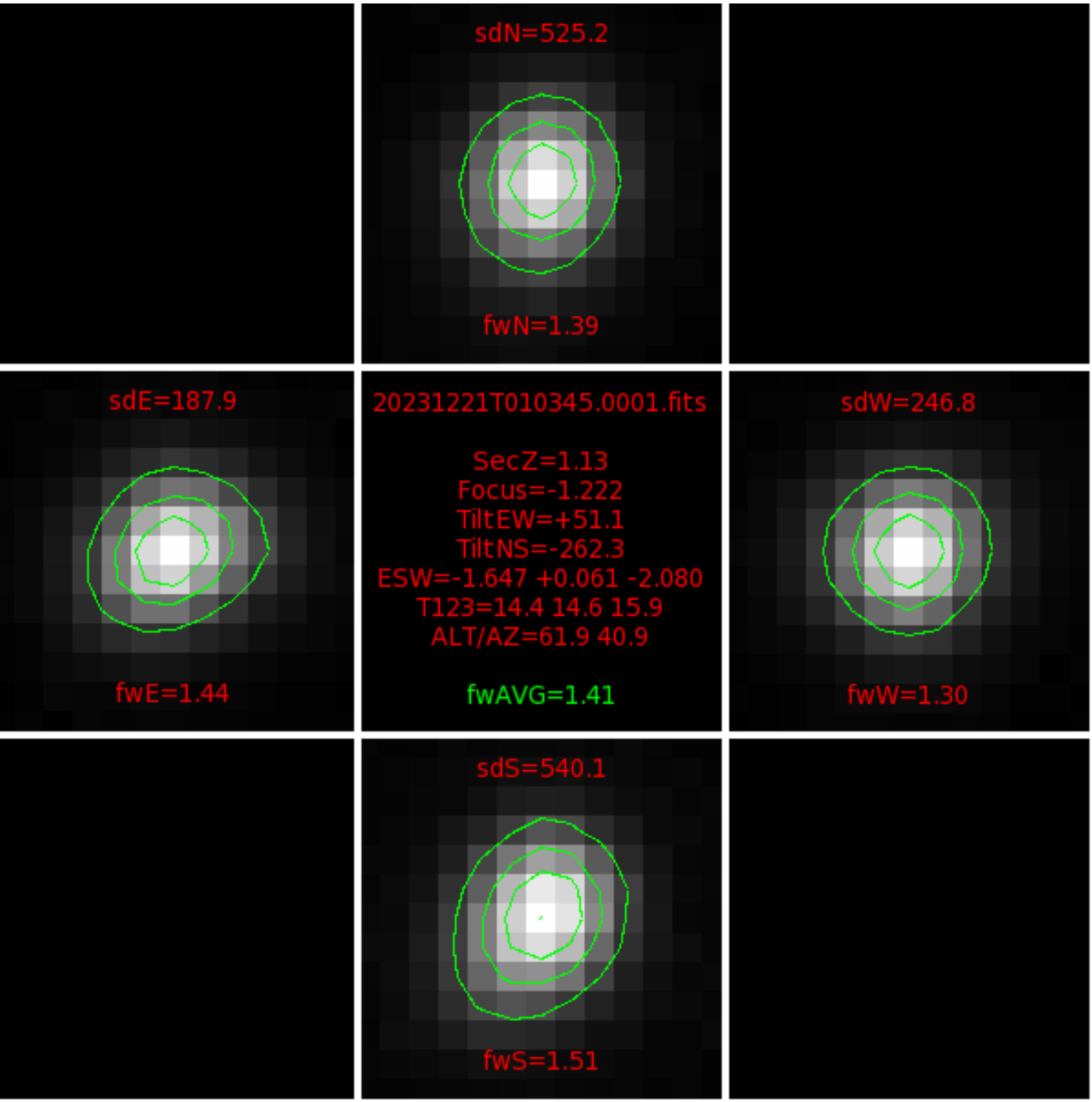
sdN=525.2
fwN=1.39
sdE=187.9
fwE=1.44
20231221T010345.0001.fits
SecZ=1.13
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.4 14.6 15.9
ALT/AZ=61.9 40.9
fwAVG=1.41
sdW=246.8
fwW=1.30
sdS=540.1
fwS=1.51
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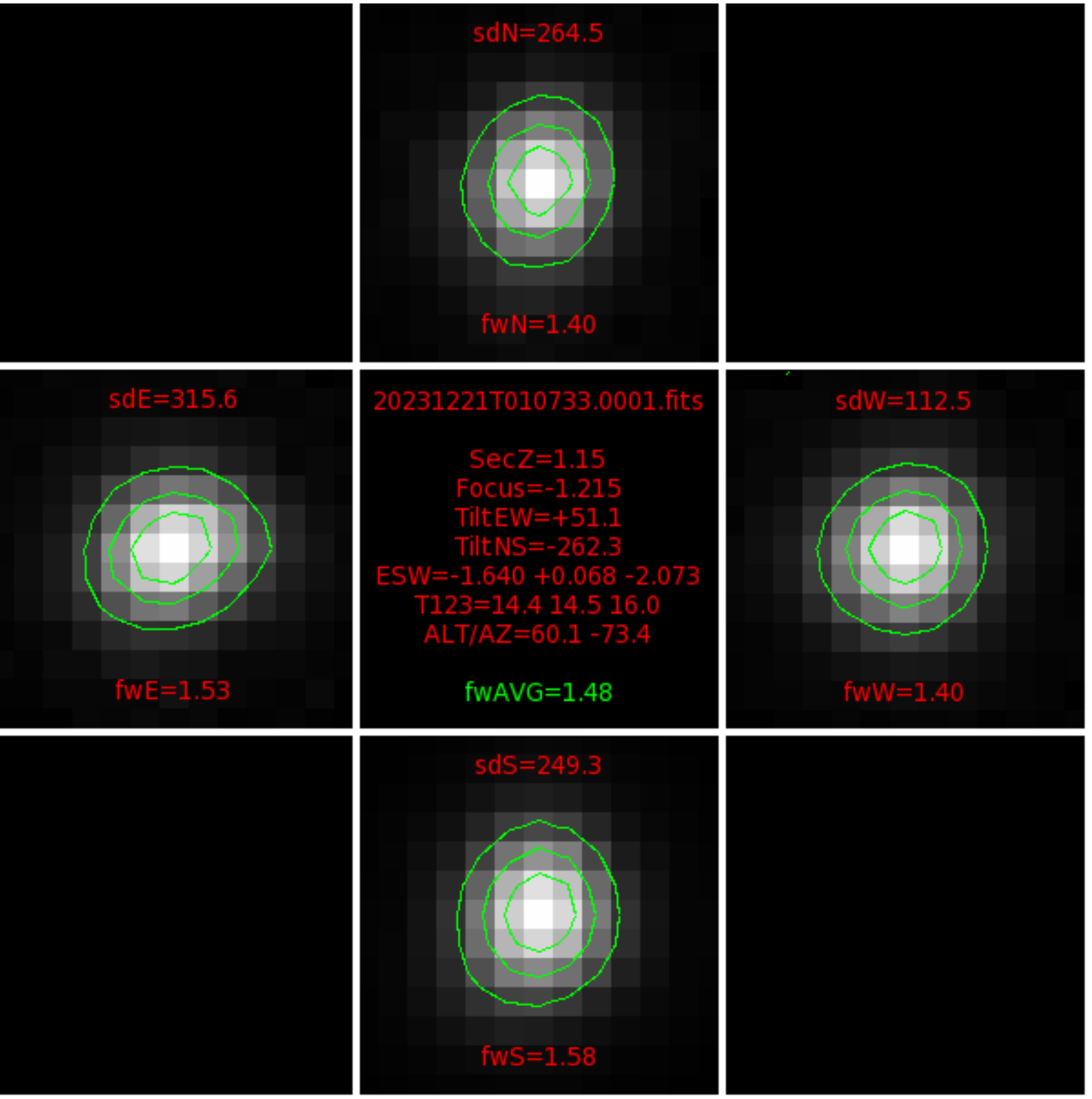
sdN=264.5
fwN=1.40
sdE=315.6
fwE=1.53
20231221T010733.0001.fits
SecZ=1.15
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=14.4 14.5 16.0
ALT/AZ=60.1 -73.4
fwAVG=1.48
sdW=112.5
fwW=1.40
sdS=249.3
fwS=1.58
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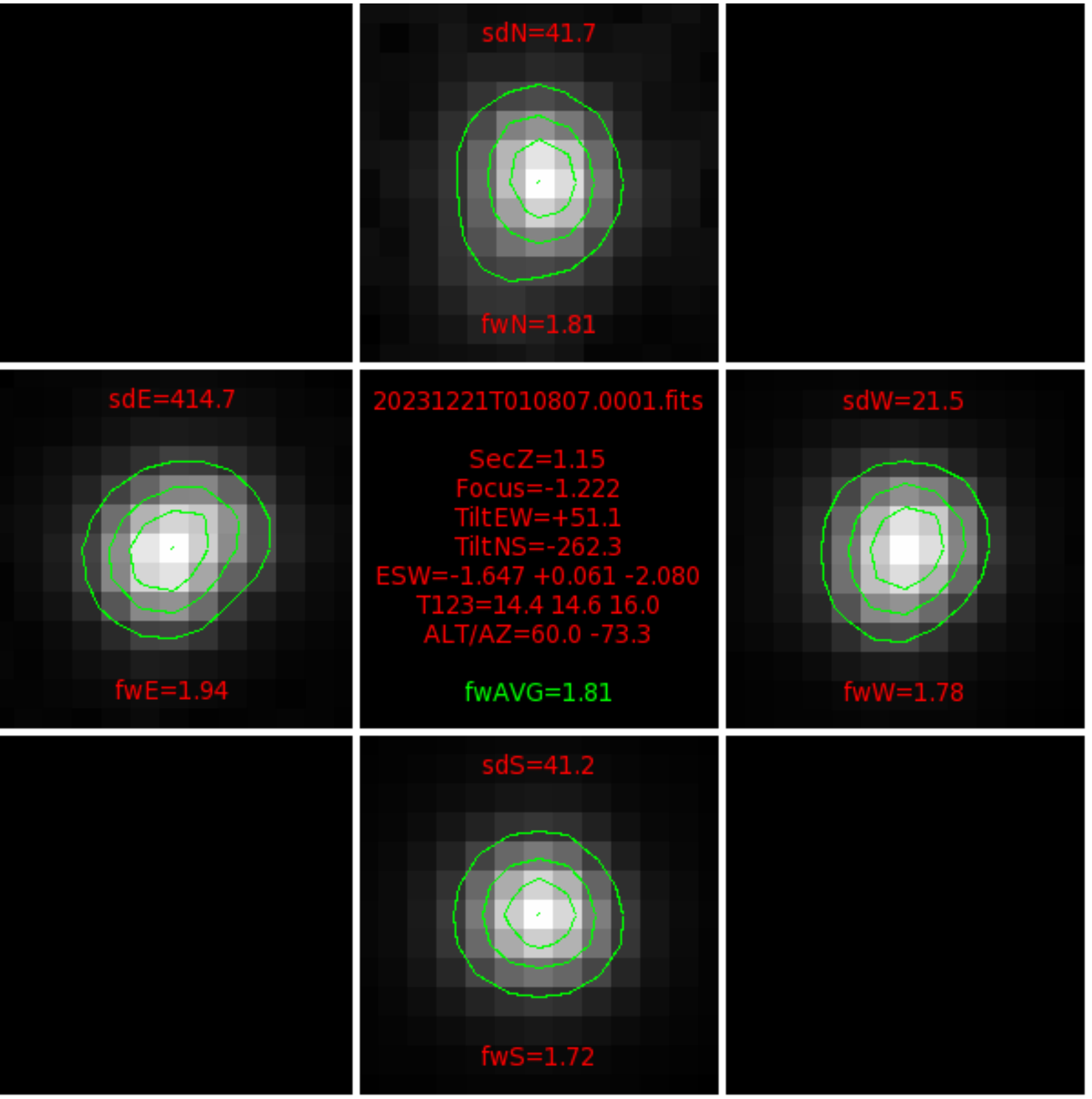
sdN=41.7
fwN=1.81
sdE=414.7
fwE=1.94
20231221T010807.0001.fits
SecZ=1.15
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.4 14.6 16.0
ALT/AZ=60.0 -73.3
fwAVG=1.81
sdW=21.5
fwW=1.78
sdS=41.2
fwS=1.72
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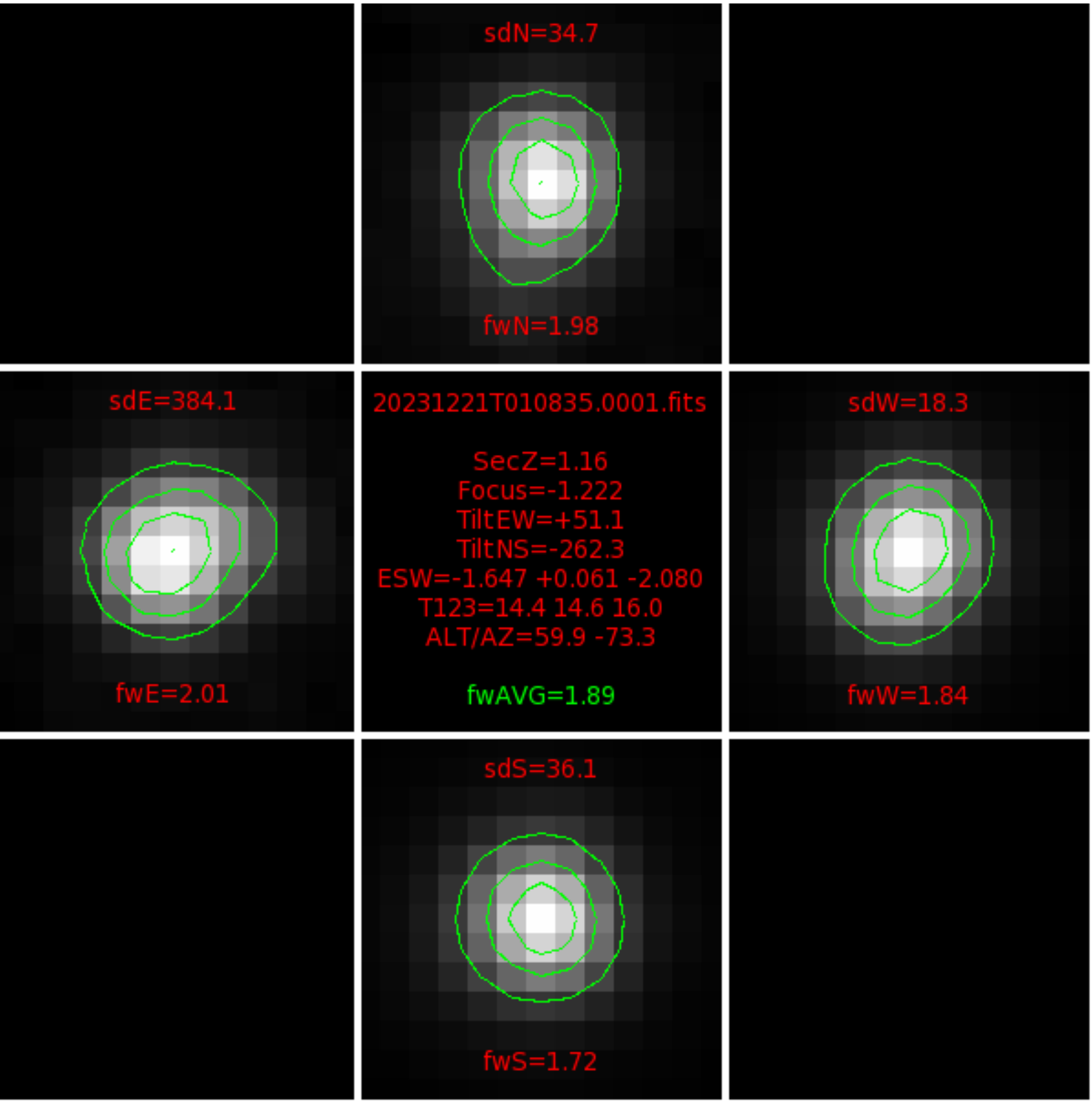
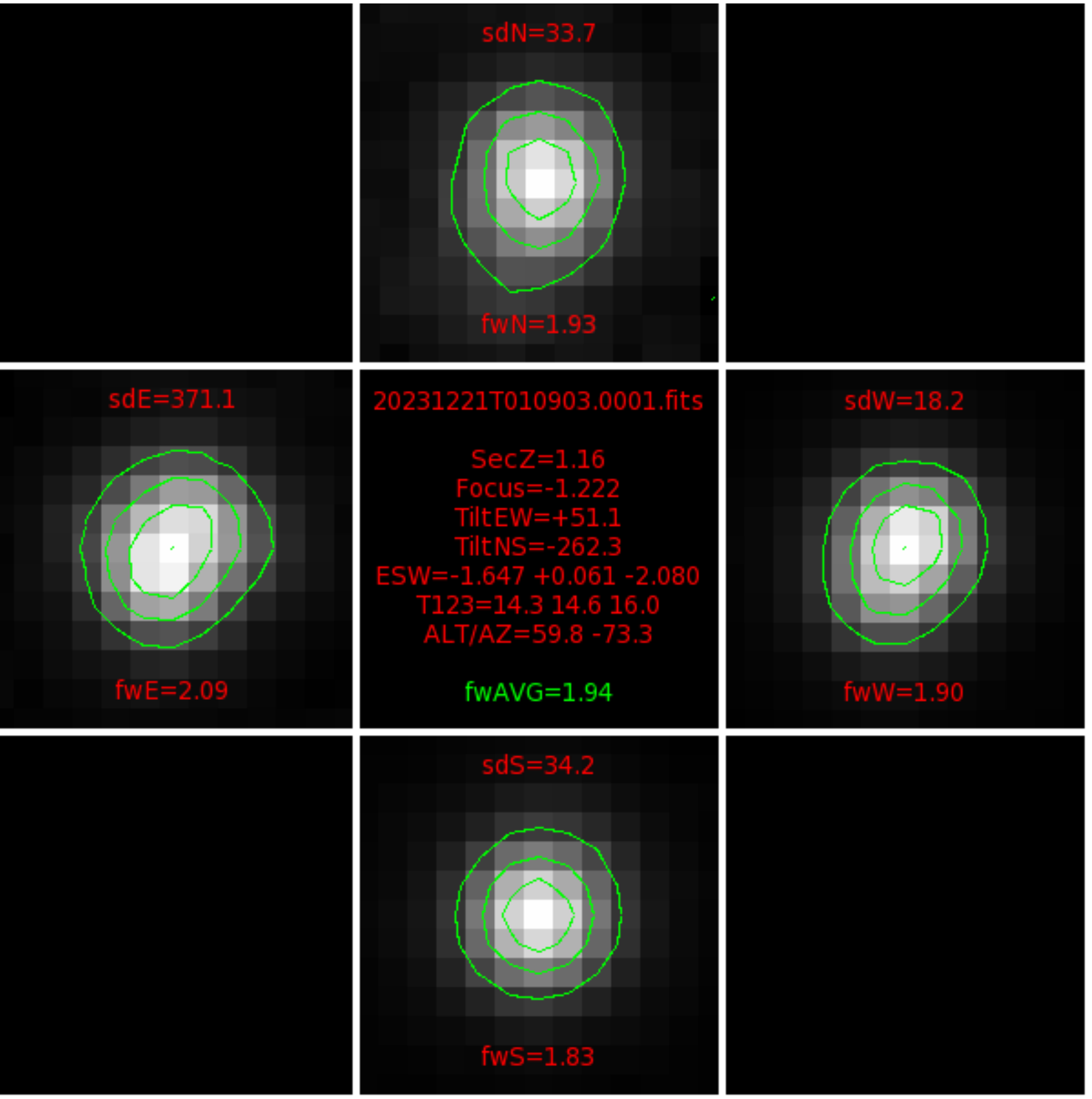

sdN=34.7
fwN=1.98
sdE=384.1
fwE=2.01
20231221T010835.0001.fits
SecZ=1.16
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.4 14.6 16.0
ALT/AZ=59.9 -73.3
fwAVG=1.89
sdW=18.3
fwW=1.84
sdS=36.1
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=33.7
fwN=1.93
sdE=371.1
fwE=2.09
20231221T010903.0001.fits
SecZ=1.16
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.3 14.6 16.0
ALT/AZ=59.8 -73.3
fwAVG=1.94
sdW=18.2
fwW=1.90
sdS=34.2
fwS=1.83
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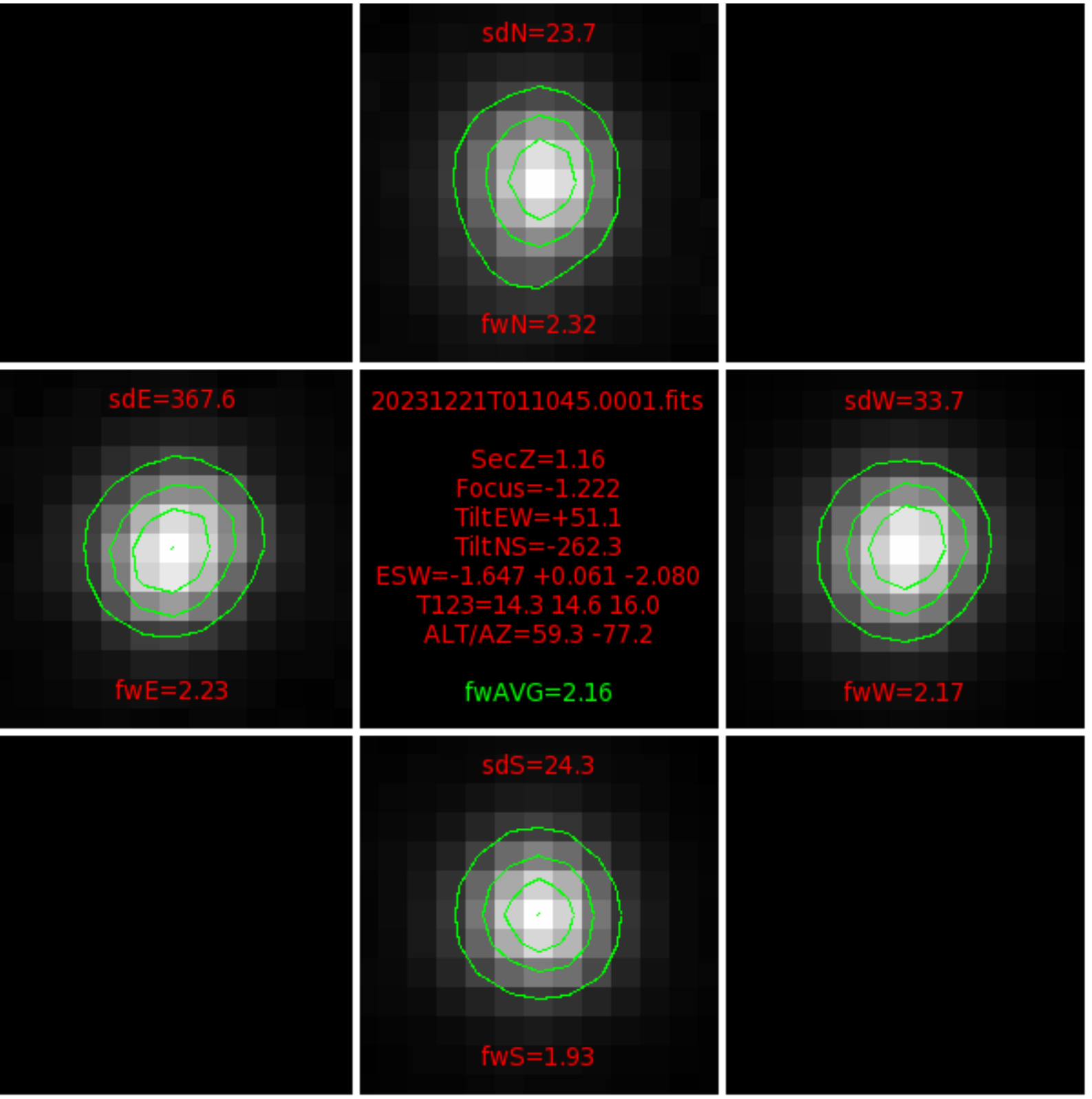
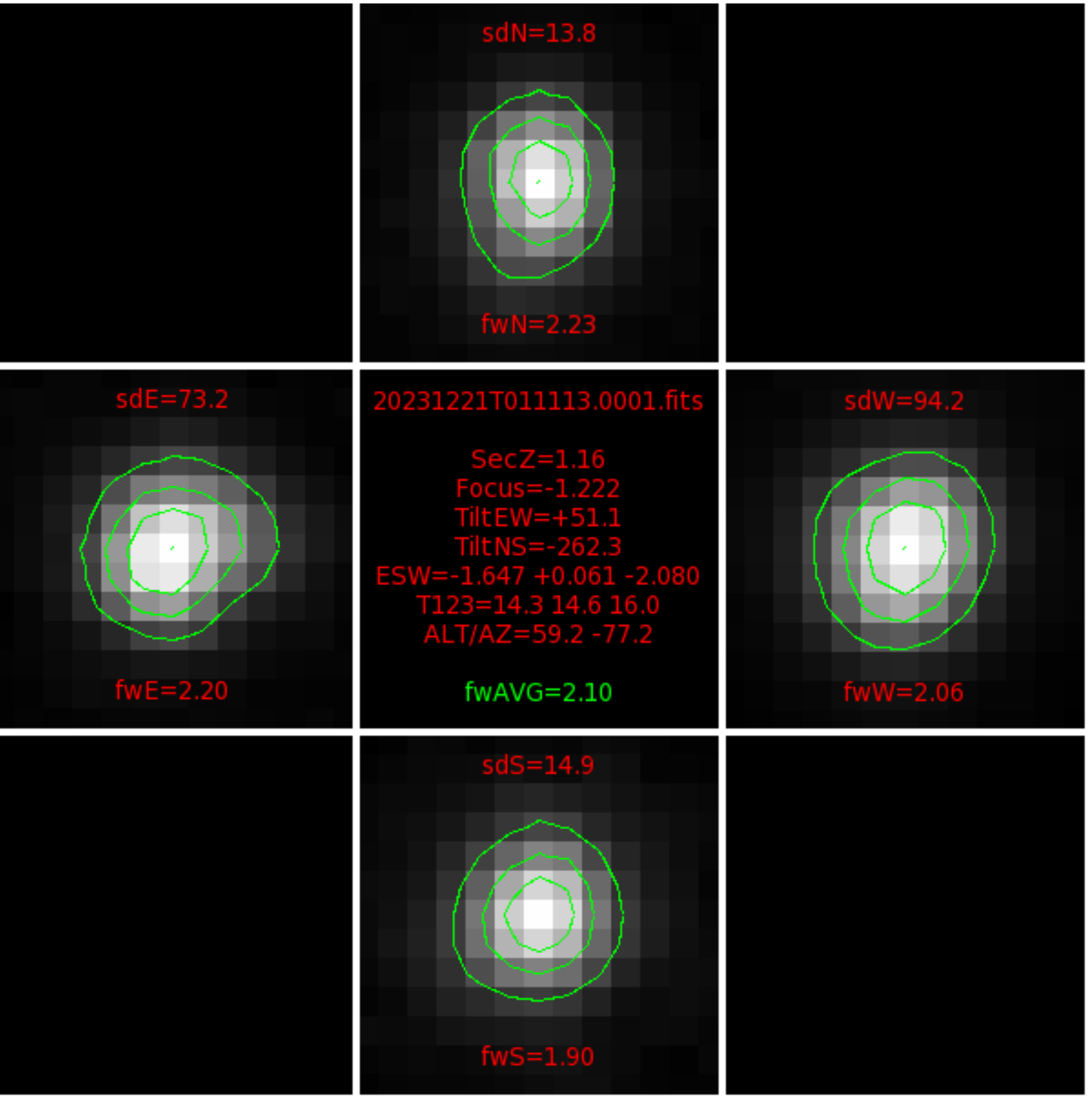

sdN=23.7
fwN=2.32
sdE=367.6
fwE=2.23
20231221T011045.0001.fits
SecZ=1.16
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.3 14.6 16.0
ALT/AZ=59.3 -77.2
fwAVG=2.16
sdW=33.7
fwW=2.17
sdS=24.3
fwS=1.93
0 0 0 0 0 0 0 0 0


sdN=13.8
fwN=2.23
sdE=73.2
fwE=2.20
20231221T011113.0001.fits
SecZ=1.16
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.3 14.6 16.0
ALT/AZ=59.2 -77.2
fwAVG=2.10
sdW=94.2
fwW=2.06
sdS=14.9
fwS=1.90
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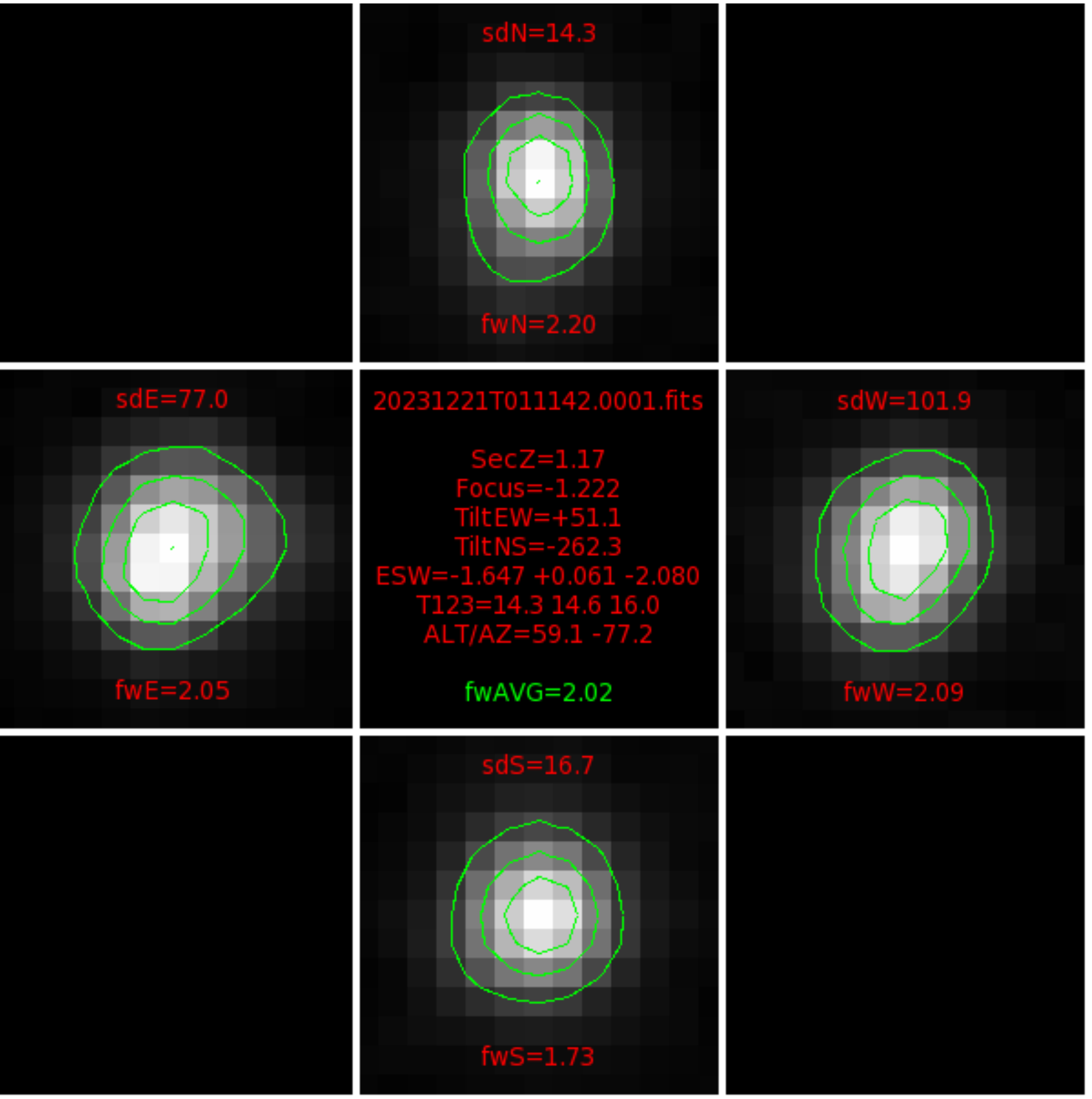
sdN=14.3
fwN=2.20
sdE=77.0
fwE=2.05
20231221T011142.0001.fits
SecZ=1.17
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.3 14.6 16.0
ALT/AZ=59.1 -77.2
fwAVG=2.02
sdW=101.9
fwW=2.09
sdS=16.7
fwS=1.73
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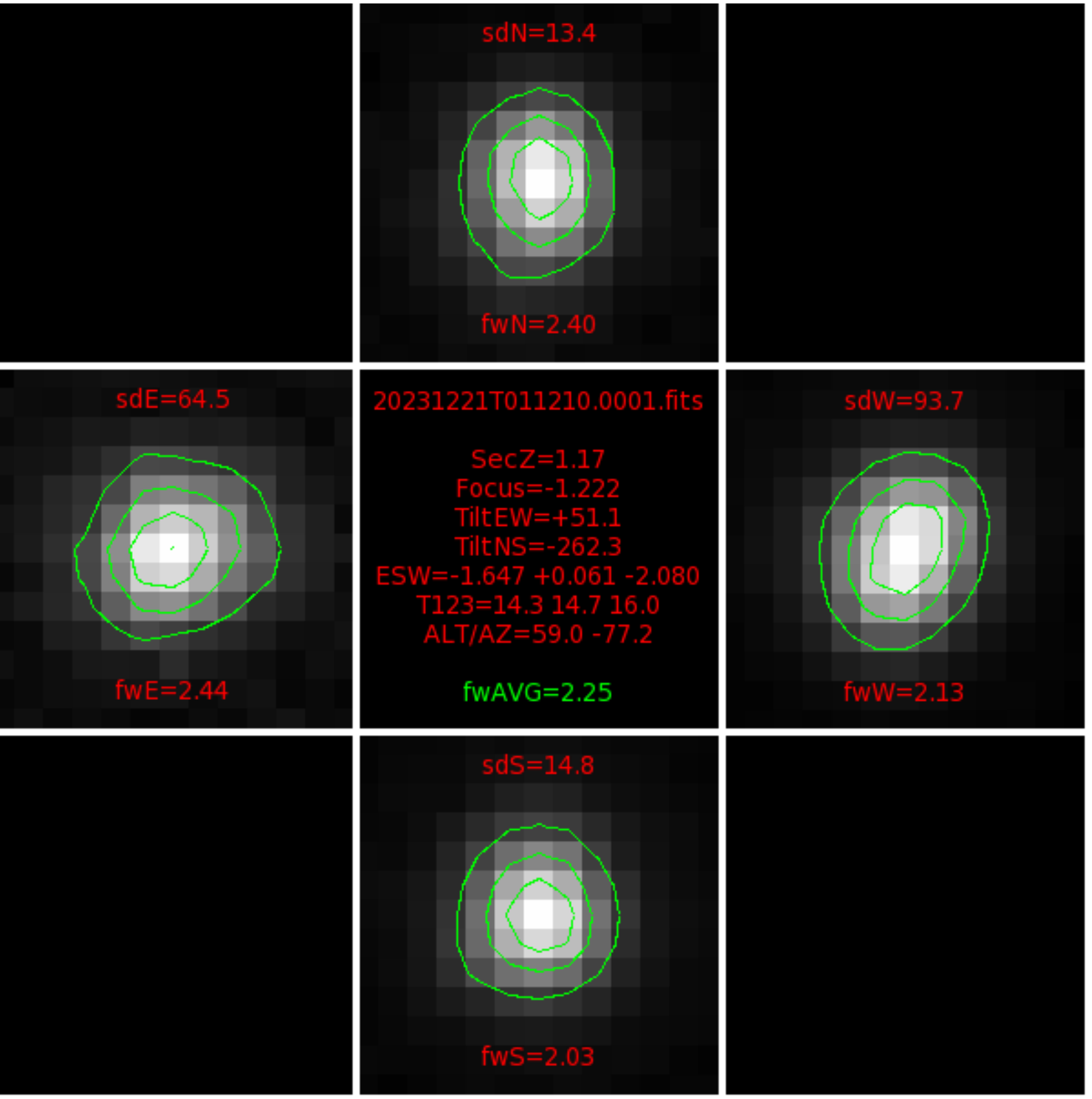
sdN=13.4
fwN=2.40
sdE=64.5
fwE=2.44
20231221T011210.0001.fits
SecZ=1.17
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.3 14.7 16.0
ALT/AZ=59.0 -77.2
fwAVG=2.25
sdW=93.7
fwW=2.13
sdS=14.8
fwS=2.03
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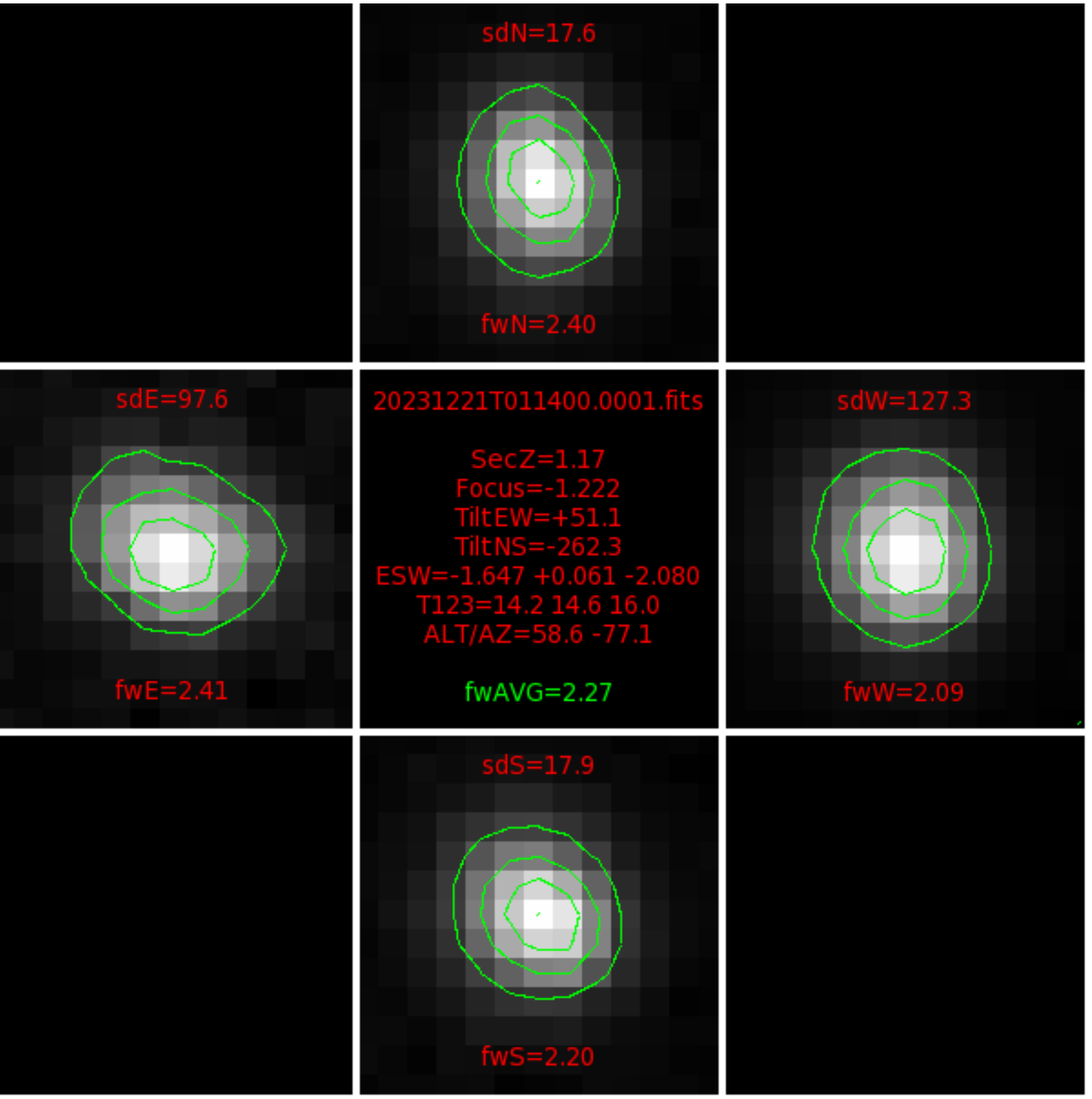
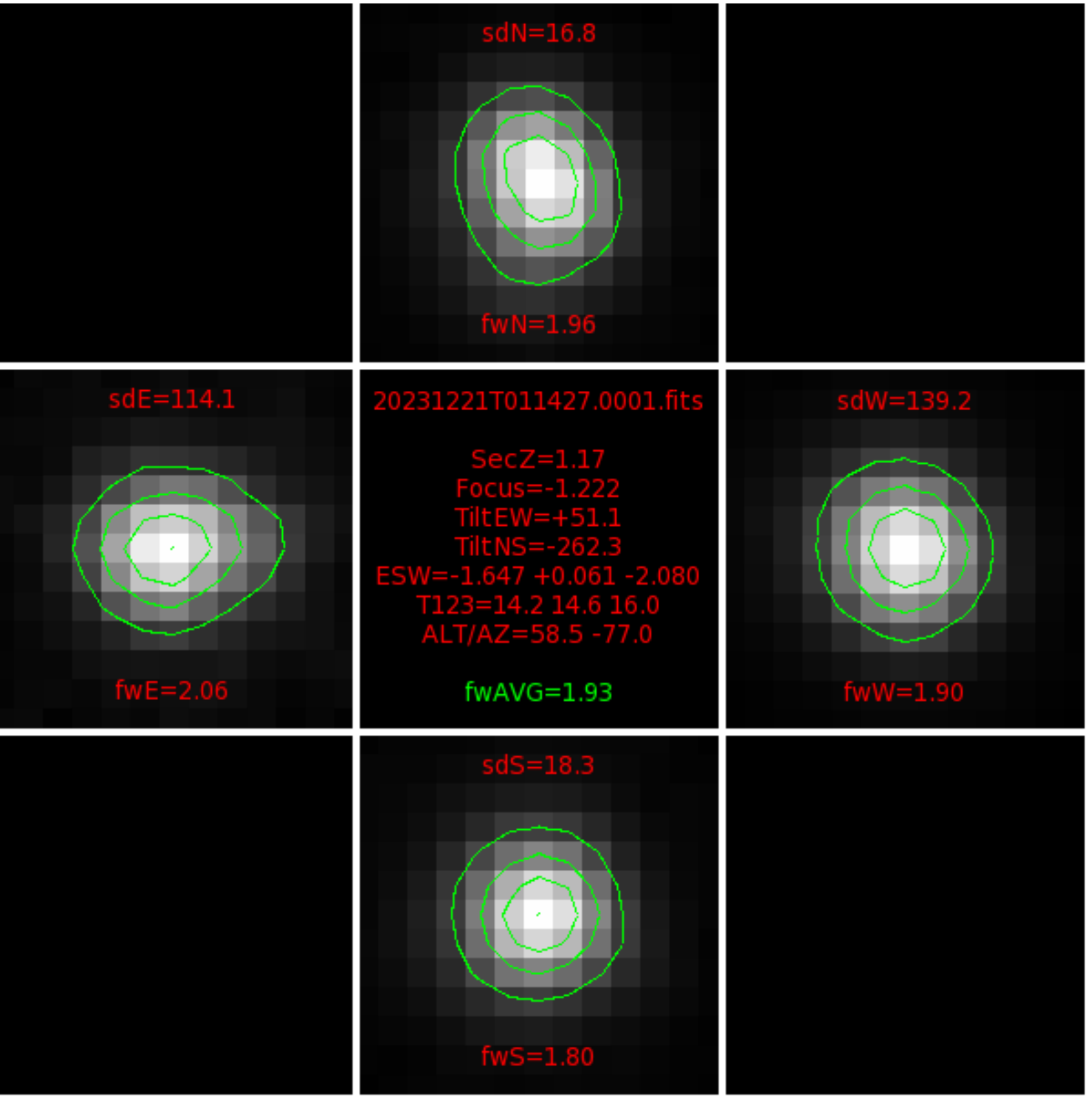

sdN=17.6
fwN=2.40
sdE=97.6
fwE=2.41
20231221T011400.0001.fits
SecZ=1.17
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.2 14.6 16.0
ALT/AZ=58.6 -77.1
fwAVG=2.27
sdW=127.3
fwW=2.09
sdS=17.9
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=16.8
fwN=1.96
sdE=114.1
fwE=2.06
20231221T011427.0001.fits
SecZ=1.17
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.2 14.6 16.0
ALT/AZ=58.5 -77.0
fwAVG=1.93
sdW=139.2
fwW=1.90
sdS=18.3
fwS=1.80
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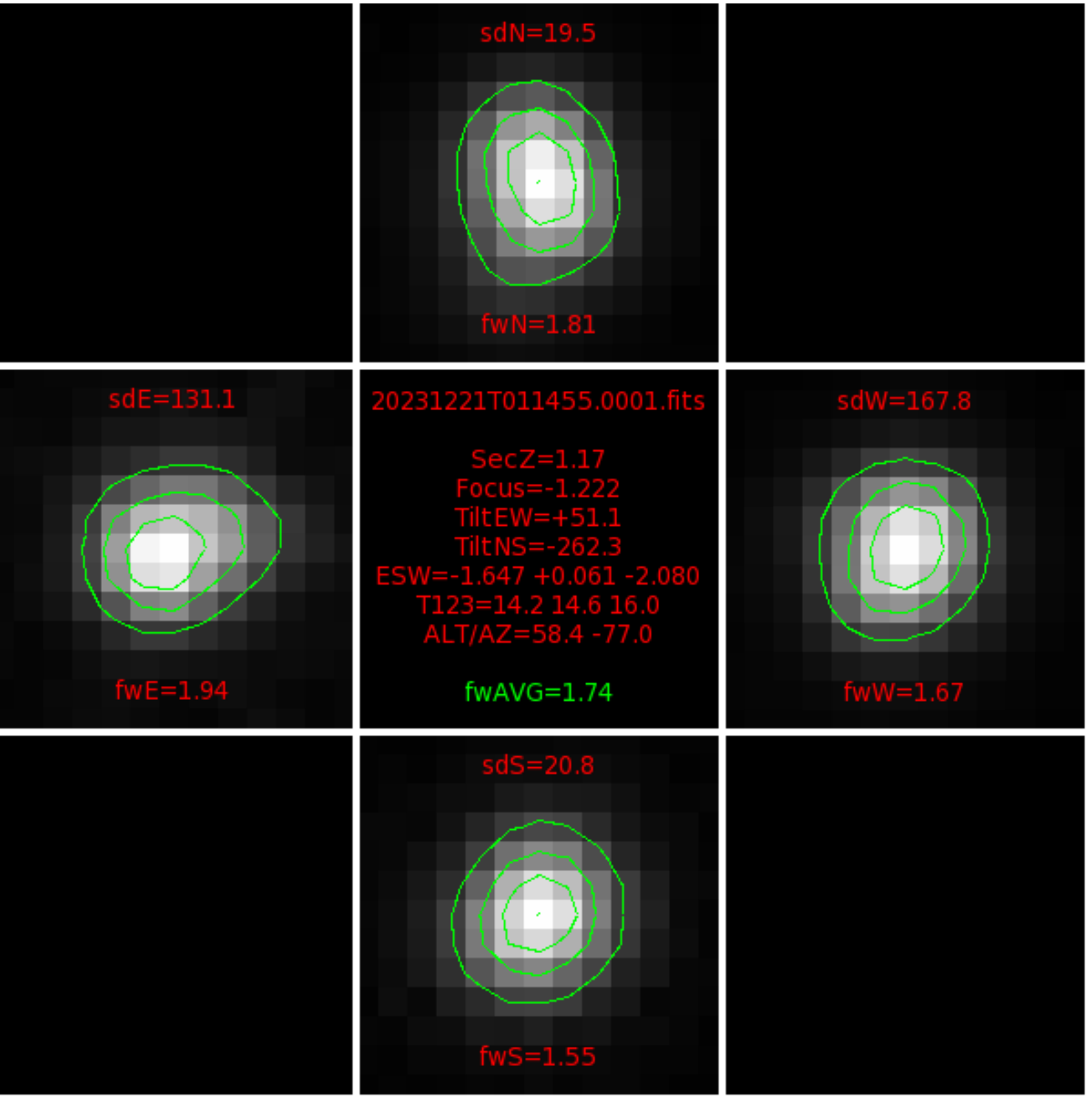
sdN=19.5
fwN=1.81
sdE=131.1
fwE=1.94
20231221T011455.0001.fits
SecZ=1.17
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.2 14.6 16.0
ALT/AZ=58.4 -77.0
fwAVG=1.74
sdW=167.8
fwW=1.67
sdS=20.8
fwS=1.55
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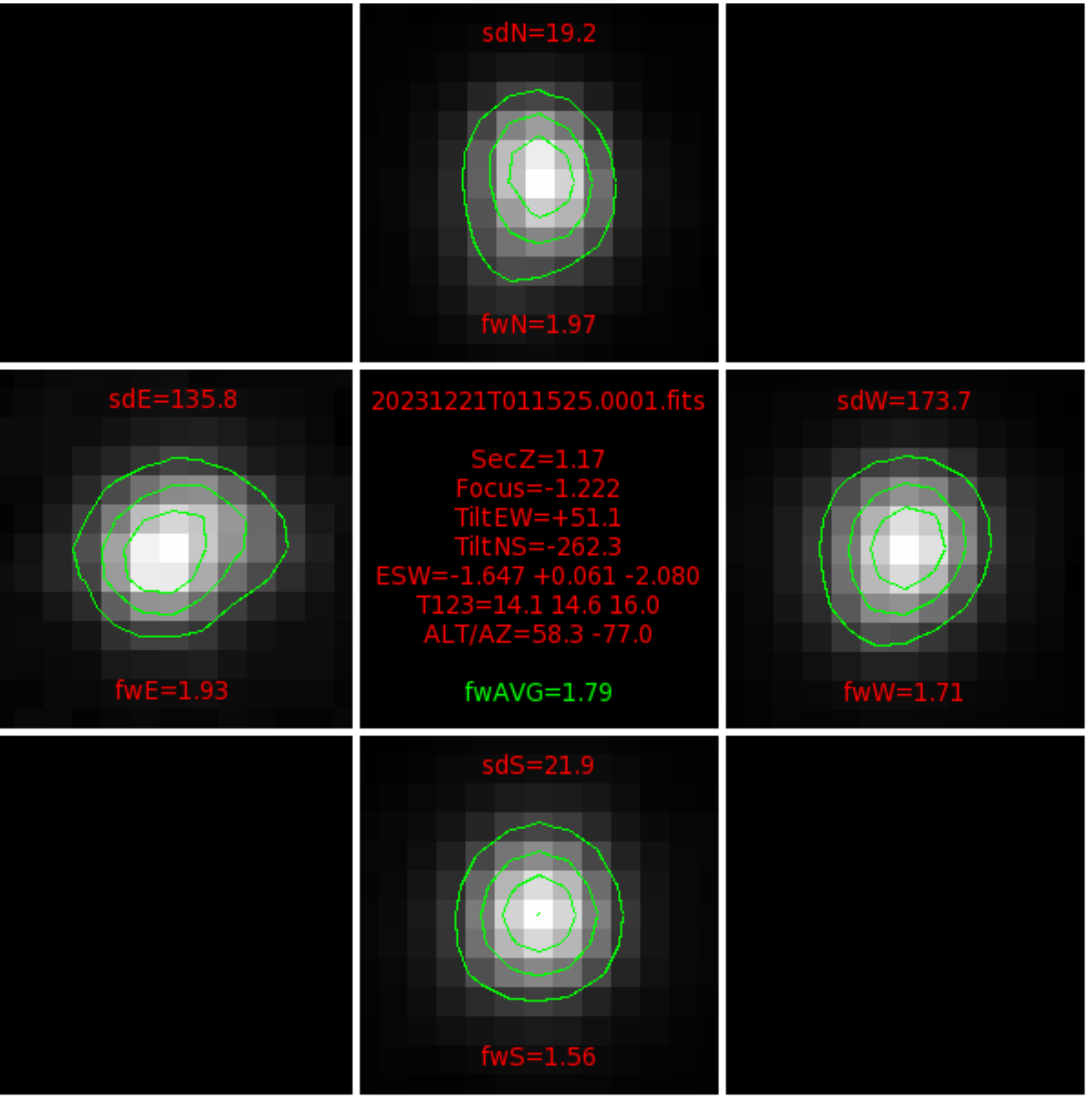
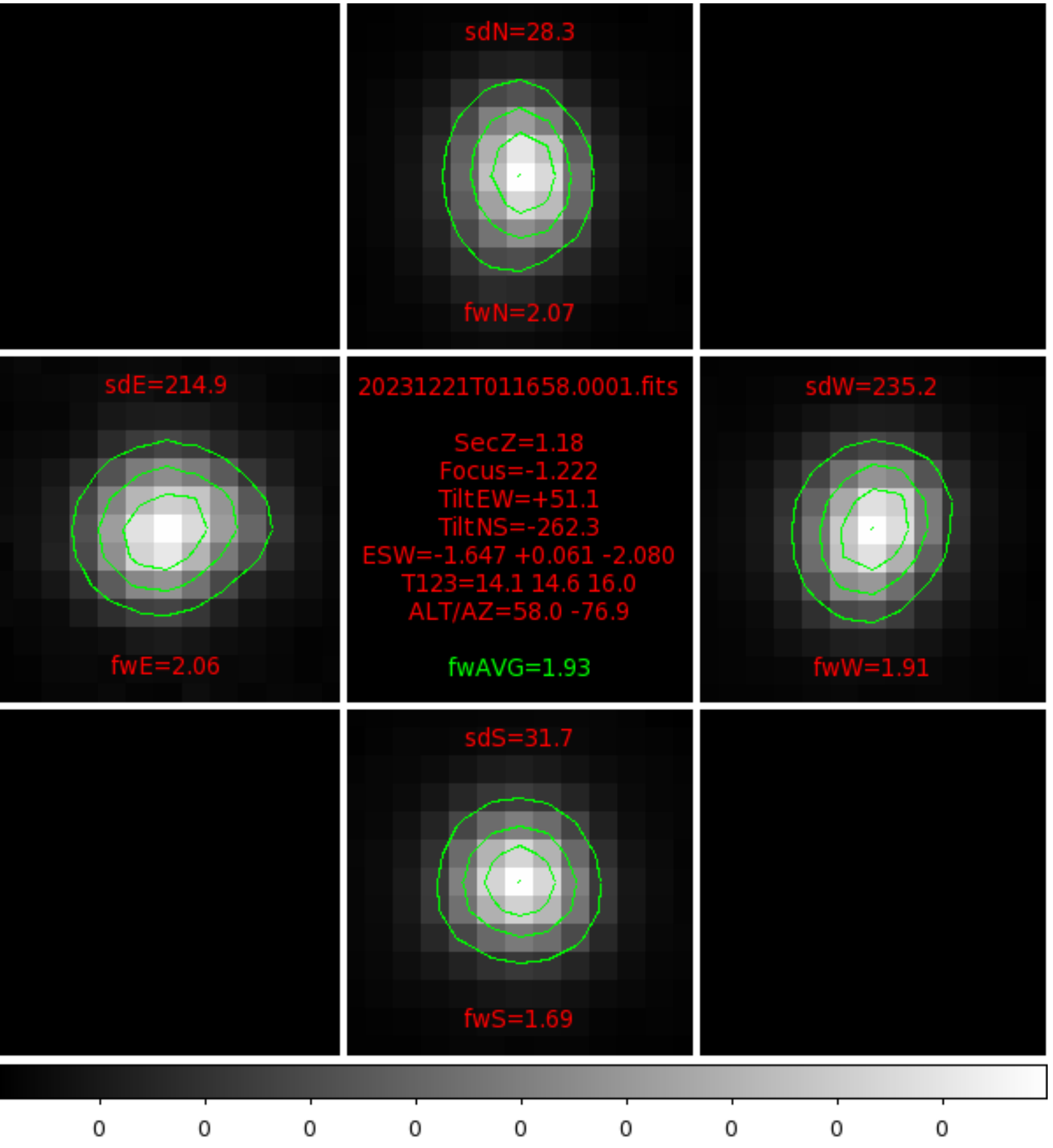
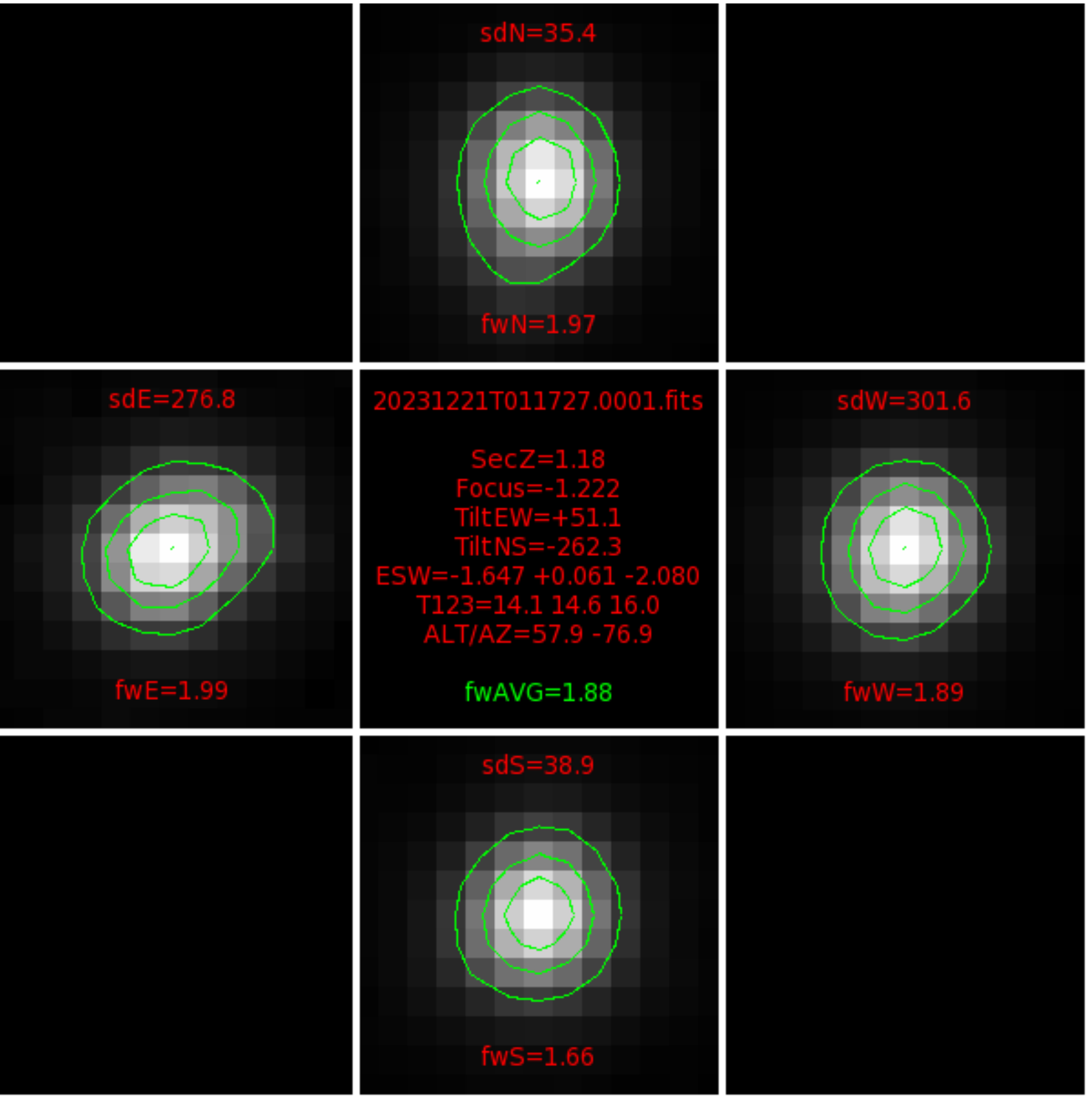
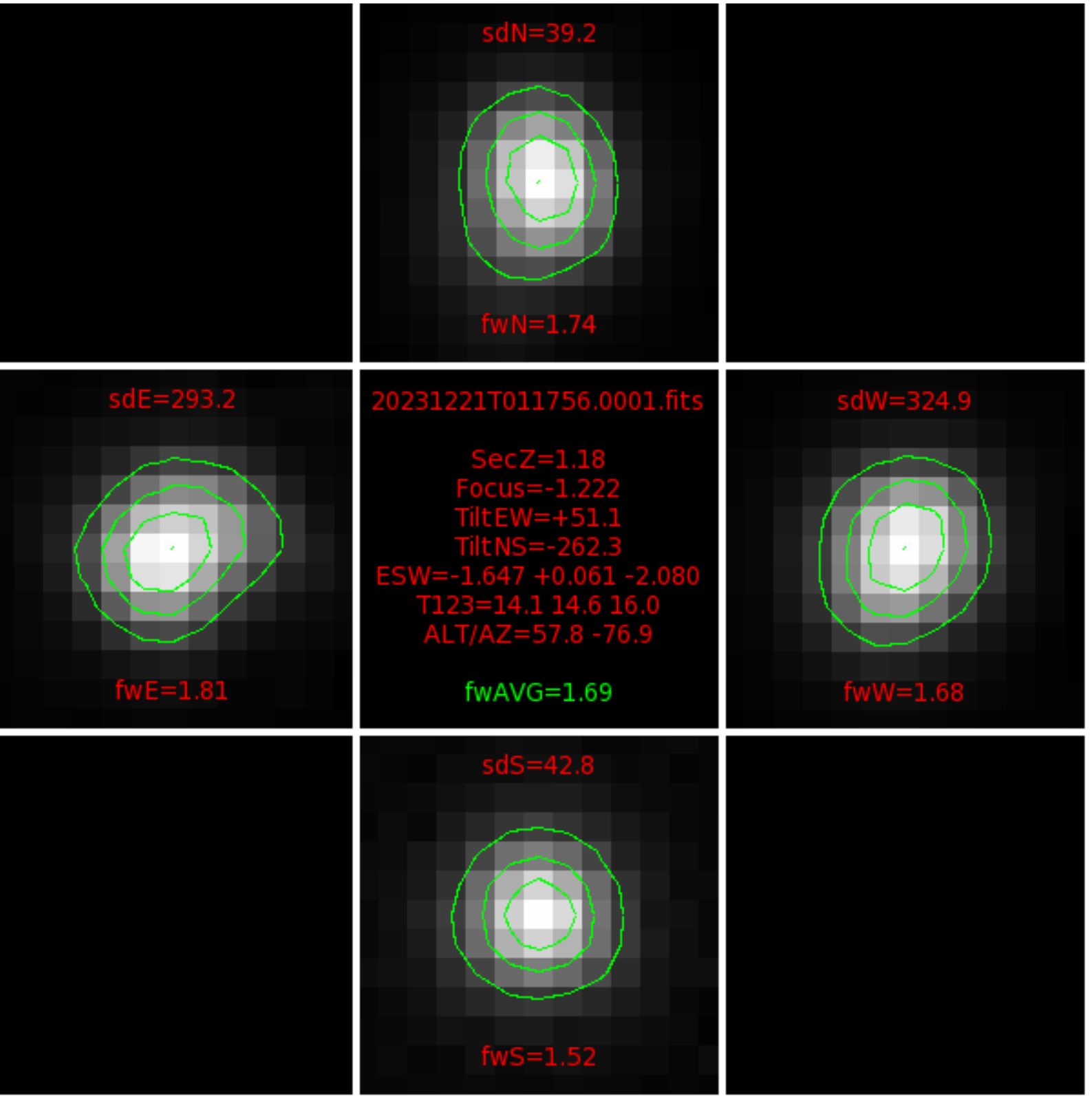

sdN=19.2
fwN=1.97
sdE=135.8
fwE=1.93
20231221T011525.0001.fits
SecZ=1.17
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.1 14.6 16.0
ALT/AZ=58.3 -77.0
fwAVG=1.79
sdW=173.7
fwW=1.71
sdS=21.9
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=28.3
fwN=2.07
sdE=214.9
fwE=2.06
20231221T011658.0001.fits
SecZ=1.18
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.1 14.6 16.0
ALT/AZ=58.0 -76.9
fwAVG=1.93
sdW=235.2
fwW=1.91
sdS=31.7
fwS=1.69
0 0 0 0 0 0 0 0 0


sdN=35.4
fwN=1.97
sdE=276.8
fwE=1.99
20231221T011727.0001.fits
SecZ=1.18
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.1 14.6 16.0
ALT/AZ=57.9 -76.9
fwAVG=1.88
sdW=301.6
fwW=1.89
sdS=38.9
fwS=1.66
0 0 0 0 0 0 0 0 0


sdN=39.2
fwN=1.74
sdE=293.2
fwE=1.81
20231221T011756.0001.fits
SecZ=1.18
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.1 14.6 16.0
ALT/AZ=57.8 -76.9
fwAVG=1.69
sdW=324.9
fwW=1.68
sdS=42.8
fwS=1.52
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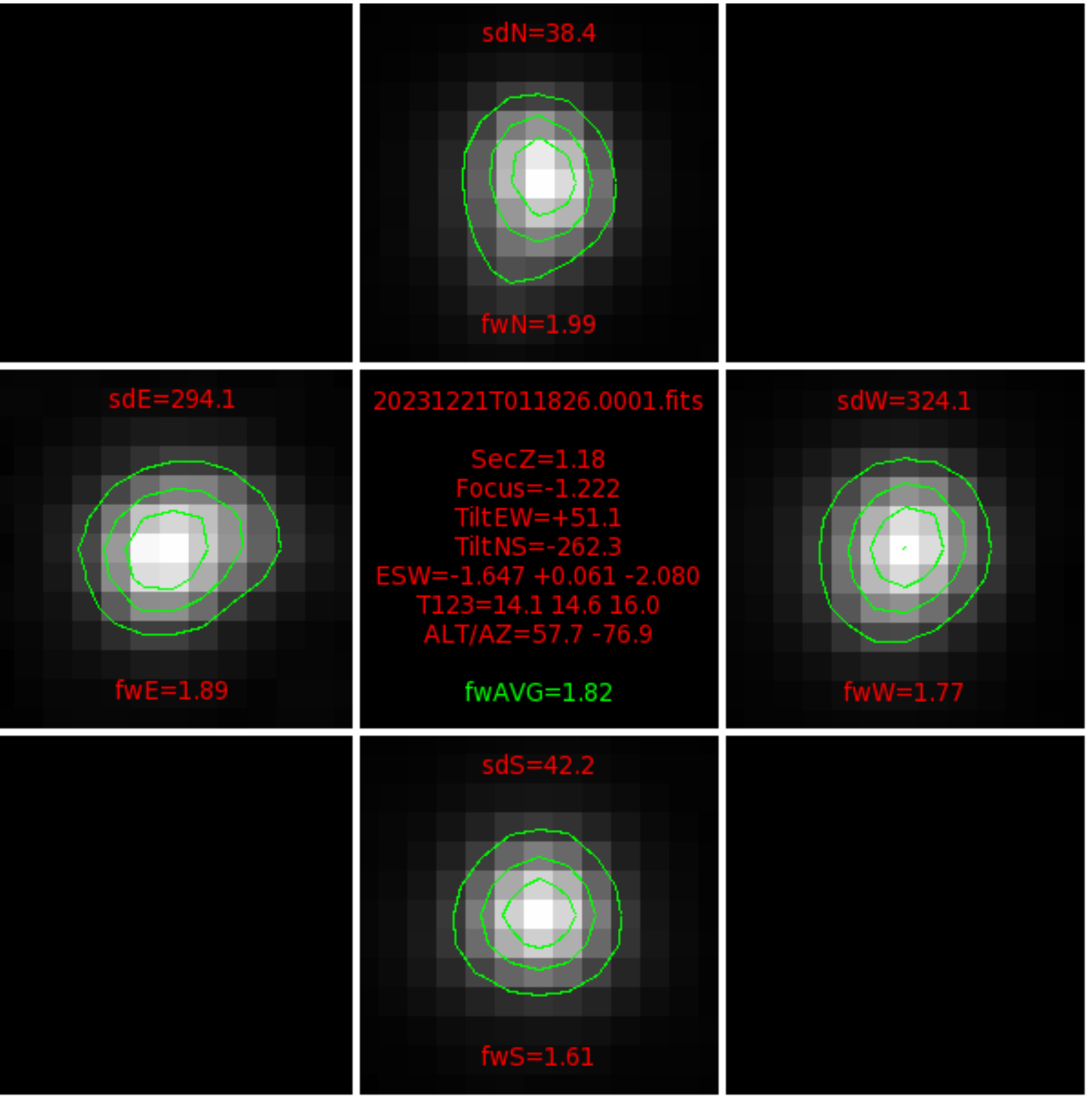
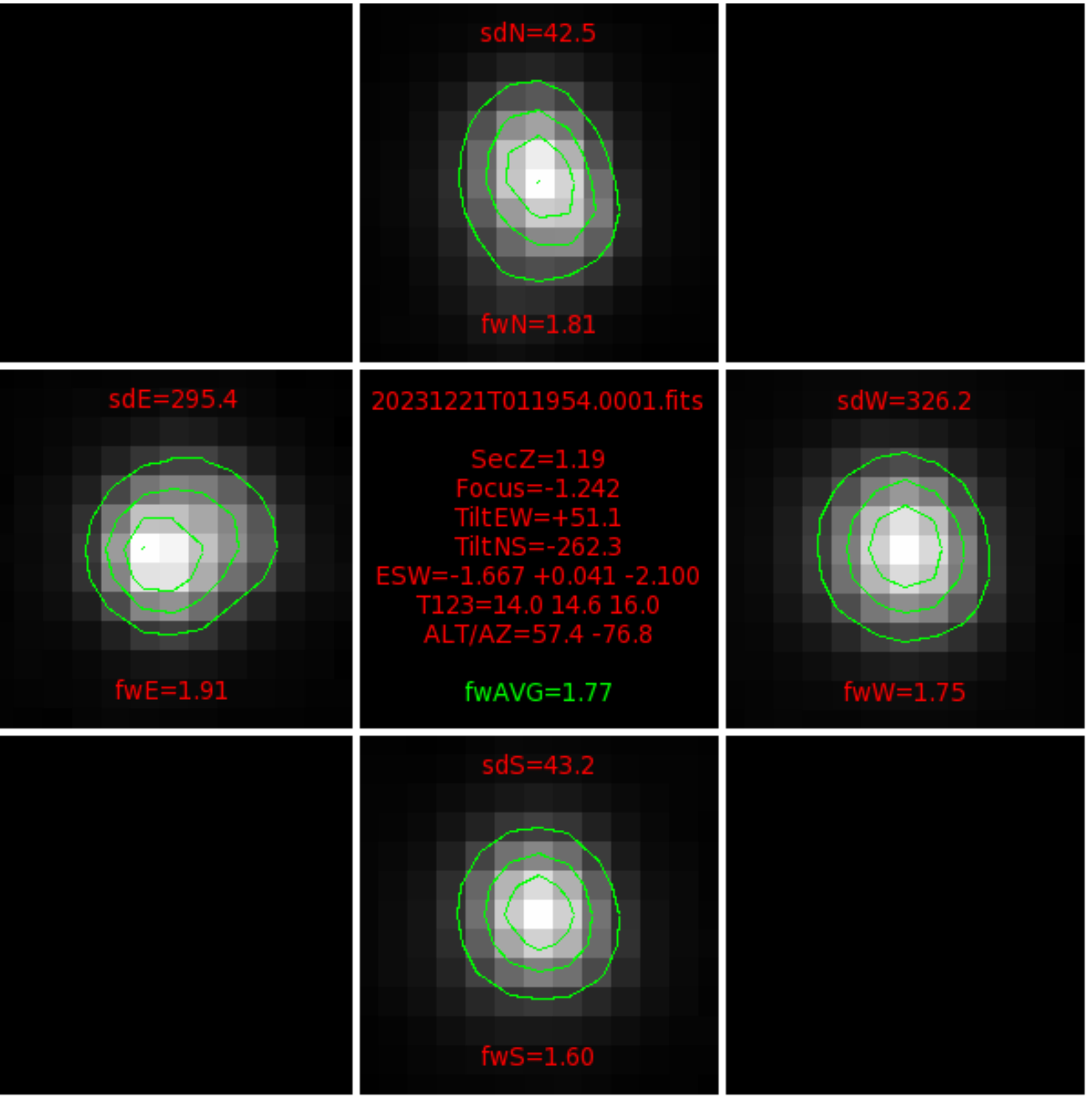

sdN=38.4
fwN=1.99
sdE=294.1
fwE=1.89
20231221T011826.0001.fits
SecZ=1.18
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.1 14.6 16.0
ALT/AZ=57.7 -76.9
fwAVG=1.82
sdW=324.1
fwW=1.77
sdS=42.2
fwS=1.61
0 0 0 0 0 0 0 0 0


sdN=42.5
fwN=1.81
sdE=295.4
fwE=1.91
20231221T011954.0001.fits
SecZ=1.19
Focus=-1.242
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.667 +0.041 -2.100
T123=14.0 14.6 16.0
ALT/AZ=57.4 -76.8
fwAVG=1.77
sdW=326.2
fwW=1.75
sdS=43.2
fwS=1.60
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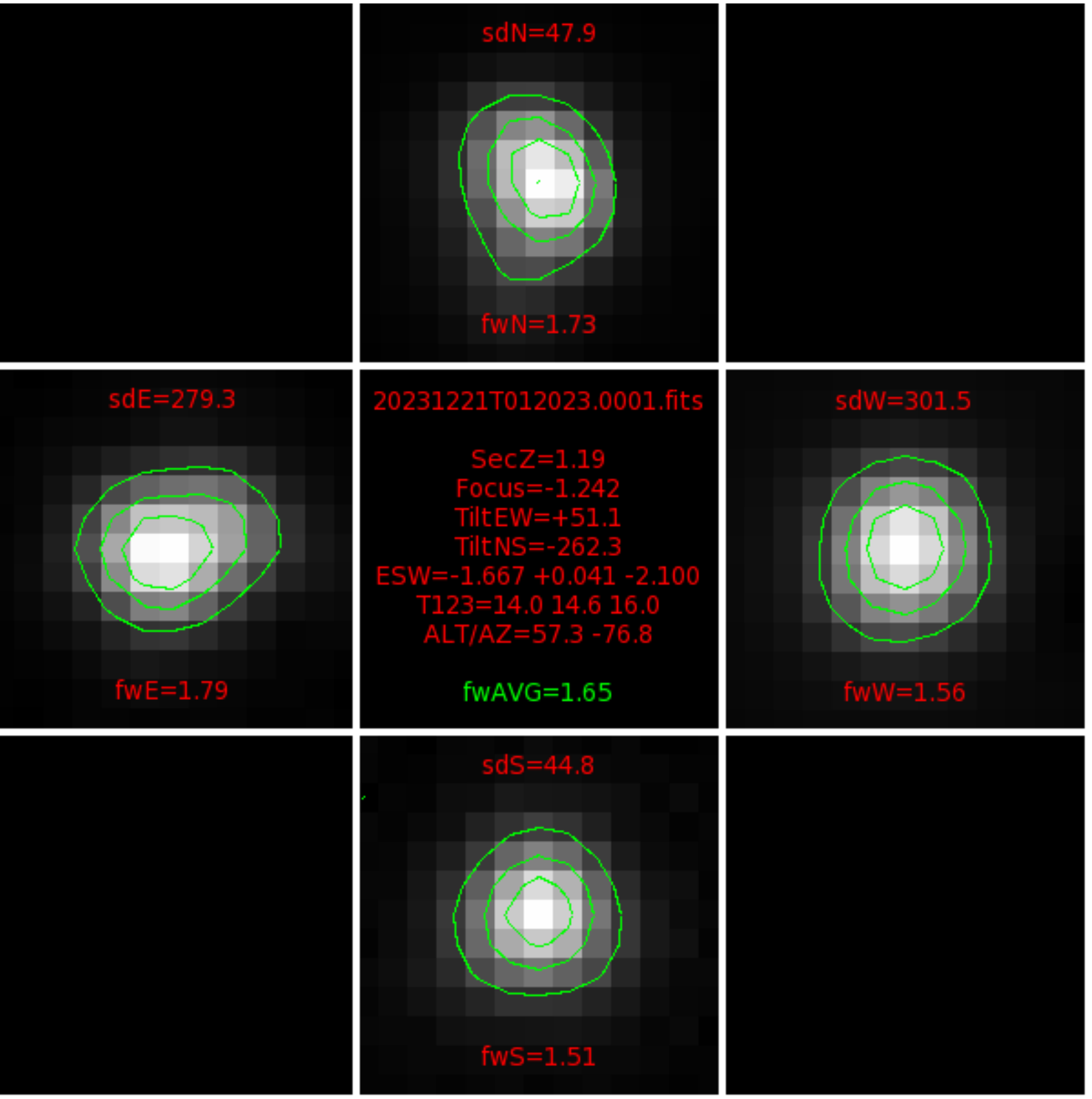
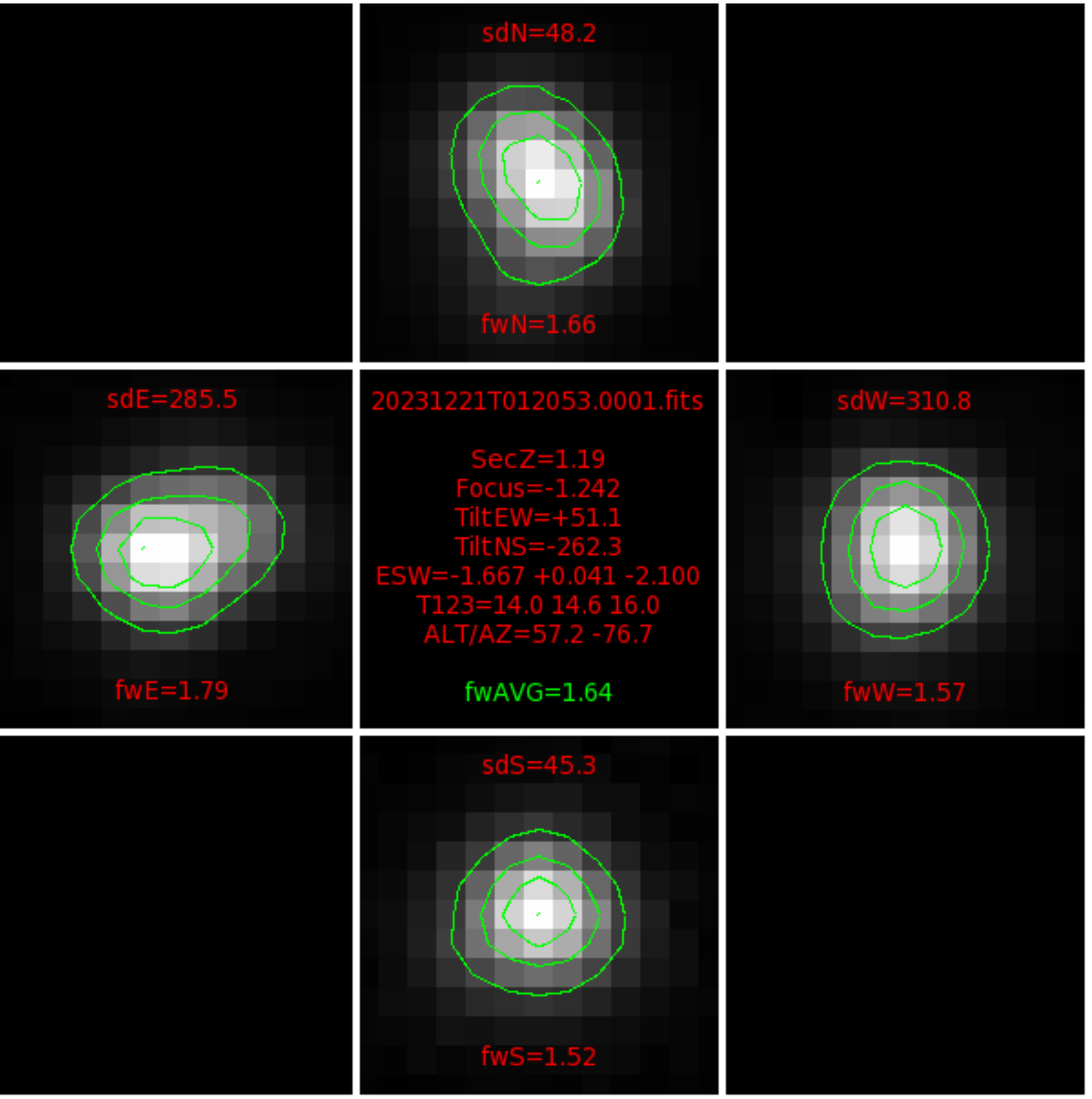
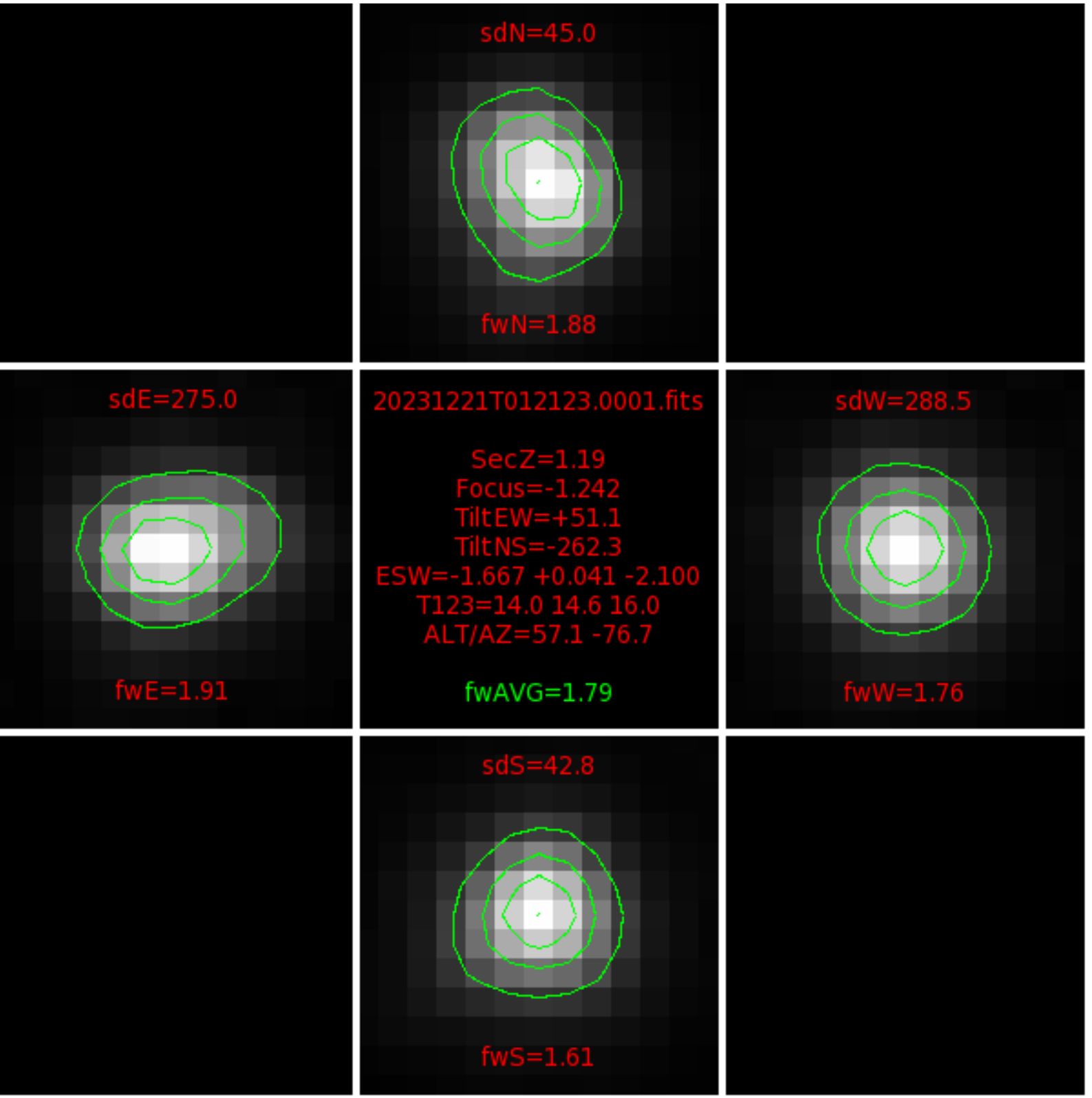
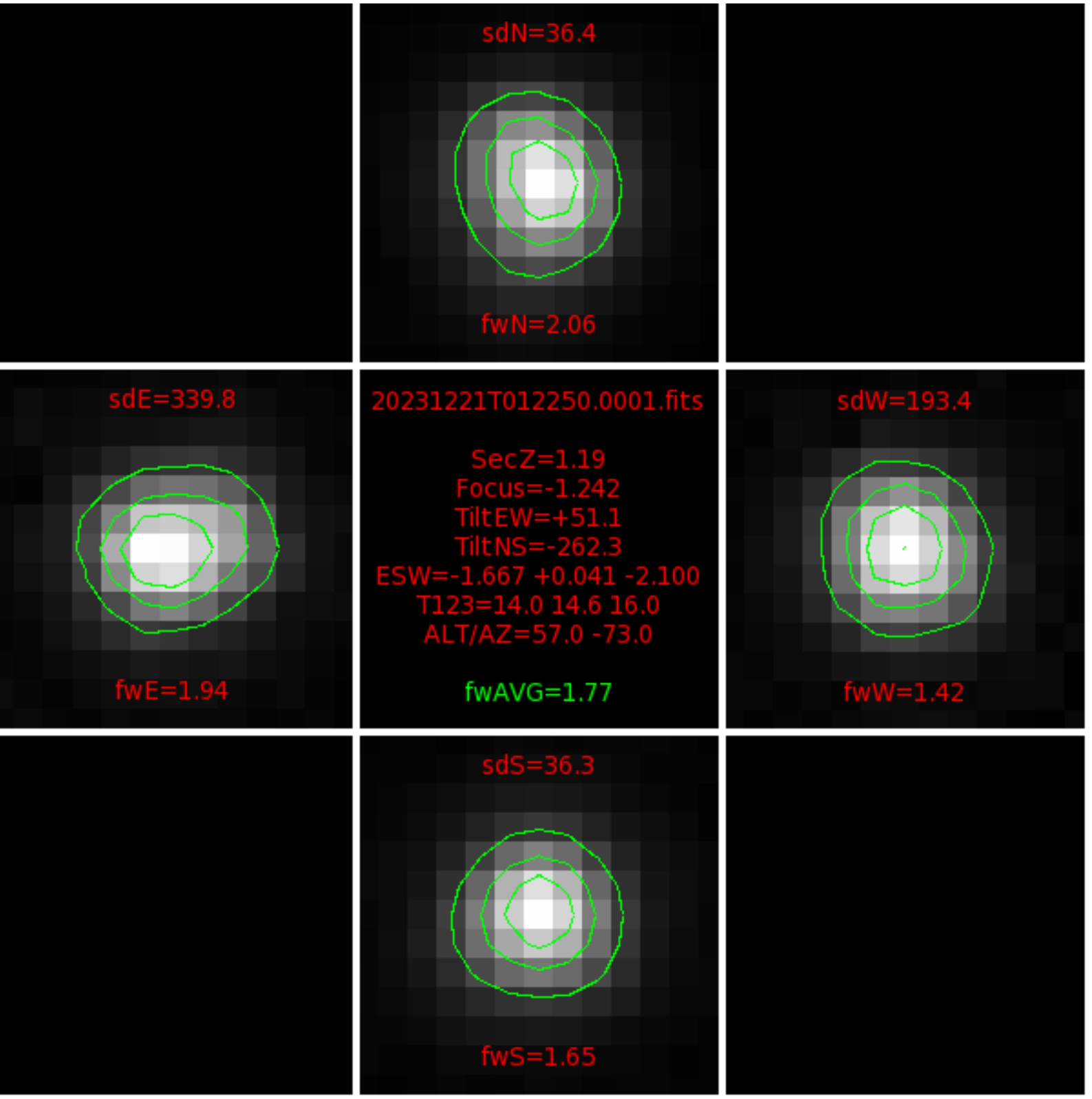
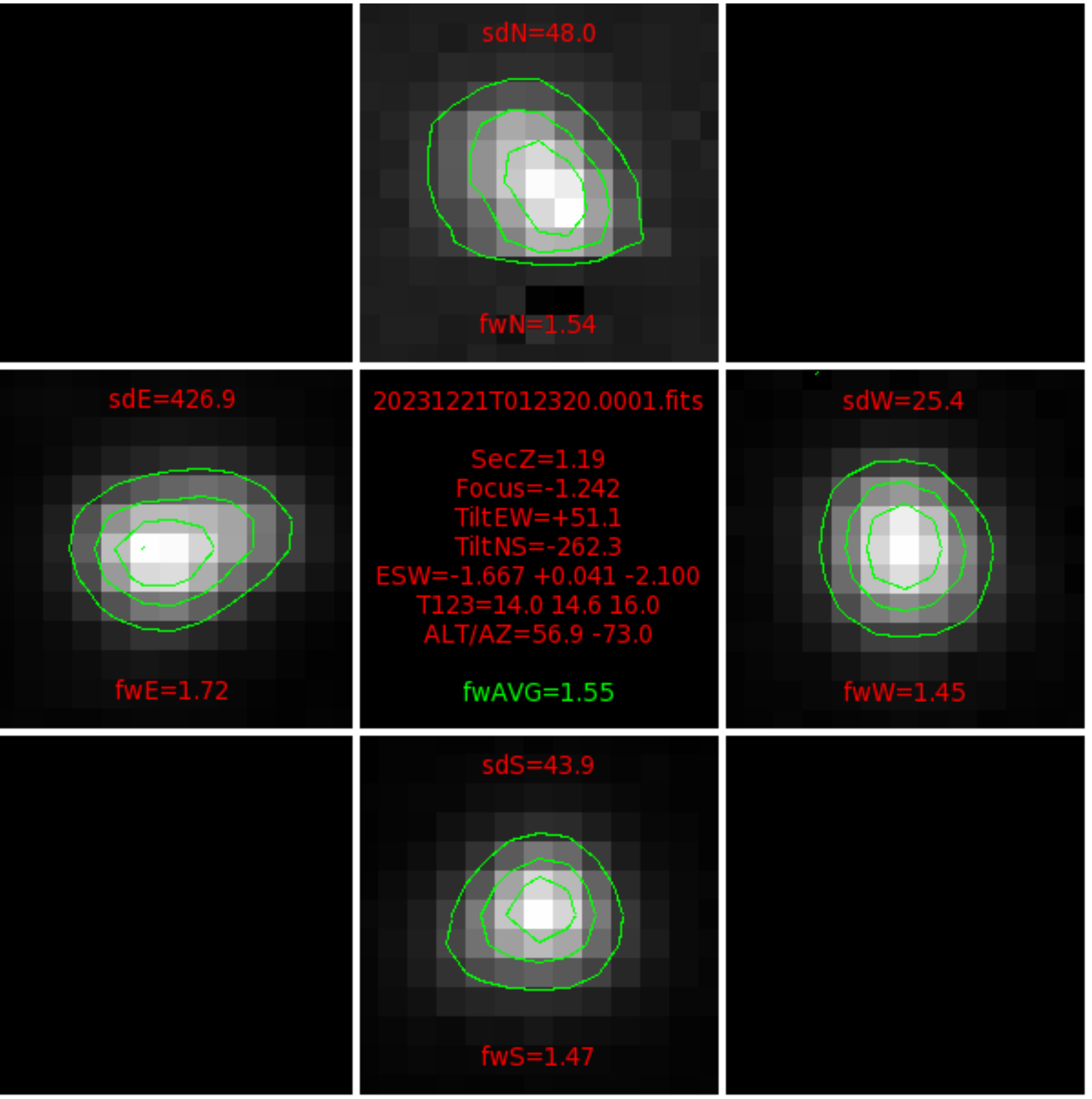

sdN=47.9
fwN=1.73
sdE=279.3
fwE=1.79
20231221T012023.0001.fits
SecZ=1.19
Focus=-1.242
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.667 +0.041 -2.100
T123=14.0 14.6 16.0
ALT/AZ=57.3 -76.8
fwAVG=1.65
sdW=301.5
fwW=1.56
sdS=44.8
fwS=1.51
0 0 0 0 0 0 0 0 0


sdN=48.2
fwN=1.66
sdE=285.5
fwE=1.79
20231221T012053.0001.fits
SecZ=1.19
Focus=-1.242
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.667 +0.041 -2.100
T123=14.0 14.6 16.0
ALT/AZ=57.2 -76.7
fwAVG=1.64
sdW=310.8
fwW=1.57
sdS=45.3
fwS=1.52
0 0 0 0 0 0 0 0 0


sdN=45.0
fwN=1.88
sdE=275.0
fwE=1.91
20231221T012123.0001.fits
SecZ=1.19
Focus=-1.242
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.667 +0.041 -2.100
T123=14.0 14.6 16.0
ALT/AZ=57.1 -76.7
fwAVG=1.79
sdW=288.5
fwW=1.76
sdS=42.8
fwS=1.61
0 0 0 0 0 0 0 0 0


sdN=36.4
fwN=2.06
sdE=339.8
fwE=1.94
20231221T012250.0001.fits
SecZ=1.19
Focus=-1.242
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.667 +0.041 -2.100
T123=14.0 14.6 16.0
ALT/AZ=57.0 -73.0
fwAVG=1.77
sdW=193.4
fwW=1.42
sdS=36.3
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=48.0
fwN=1.54
sdE=426.9
fwE=1.72
20231221T012320.0001.fits
SecZ=1.19
Focus=-1.242
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.667 +0.041 -2.100
T123=14.0 14.6 16.0
ALT/AZ=56.9 -73.0
fwAVG=1.55
sdW=25.4
fwW=1.45
sdS=43.9
fwS=1.47
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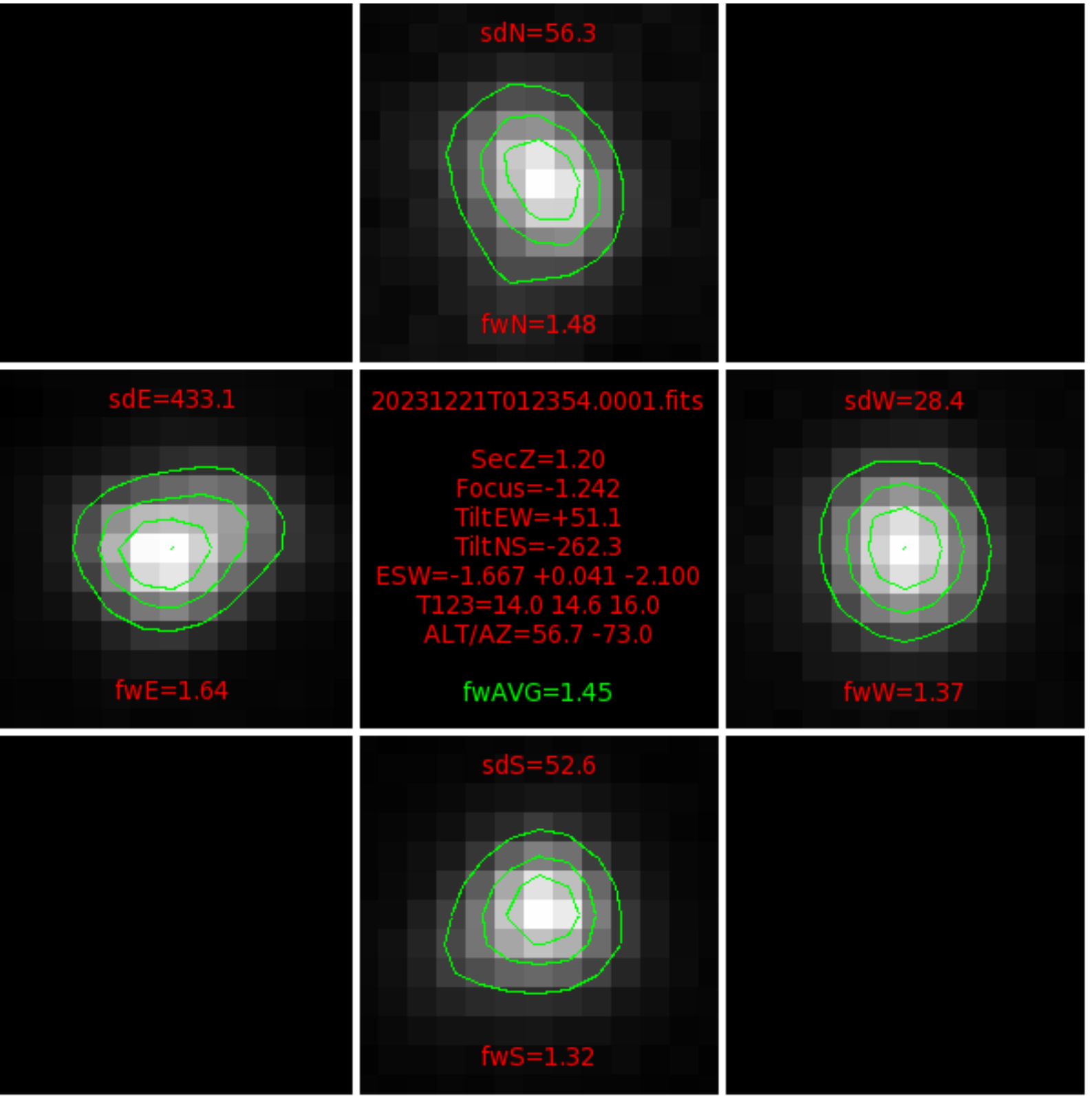
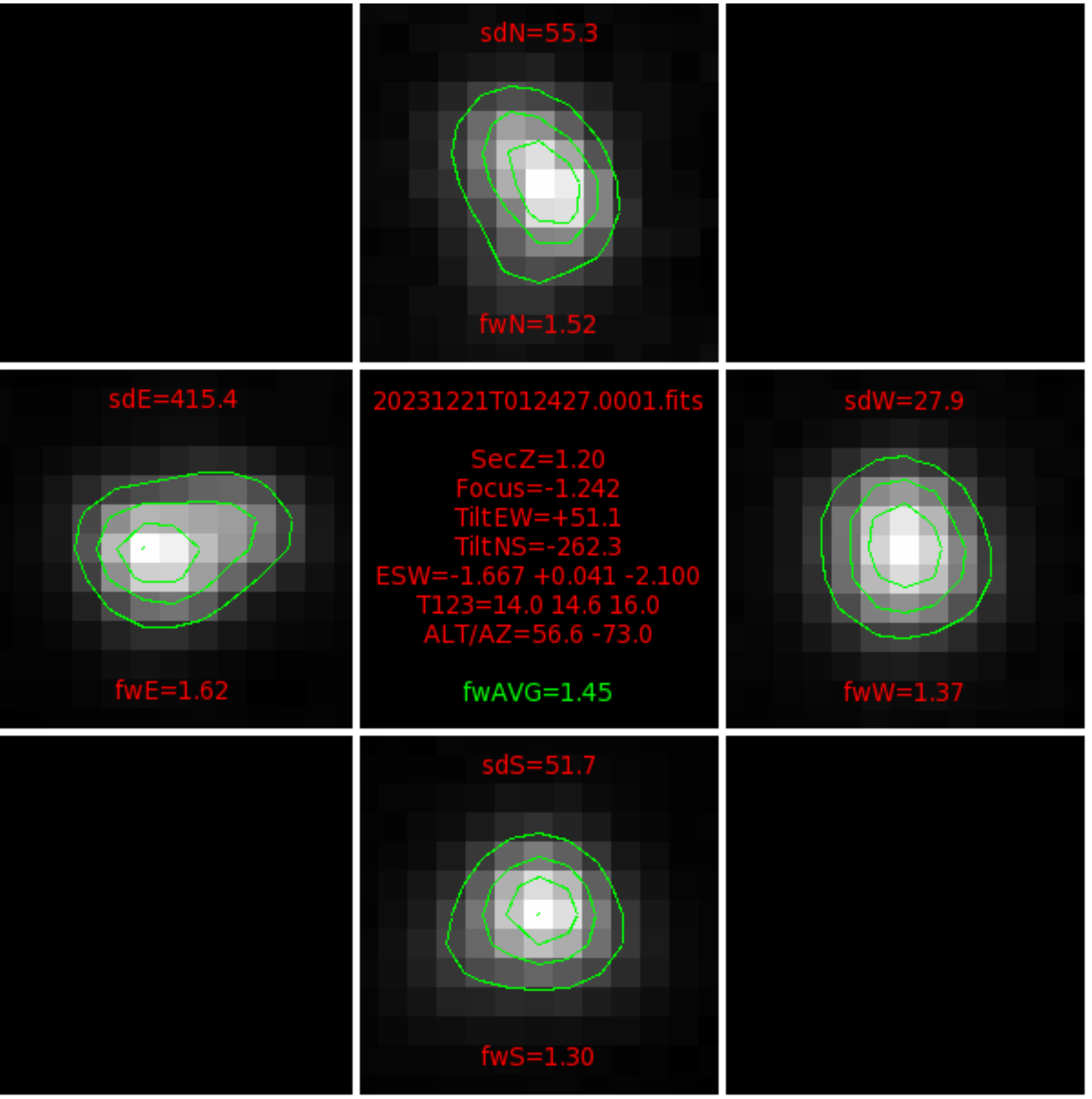
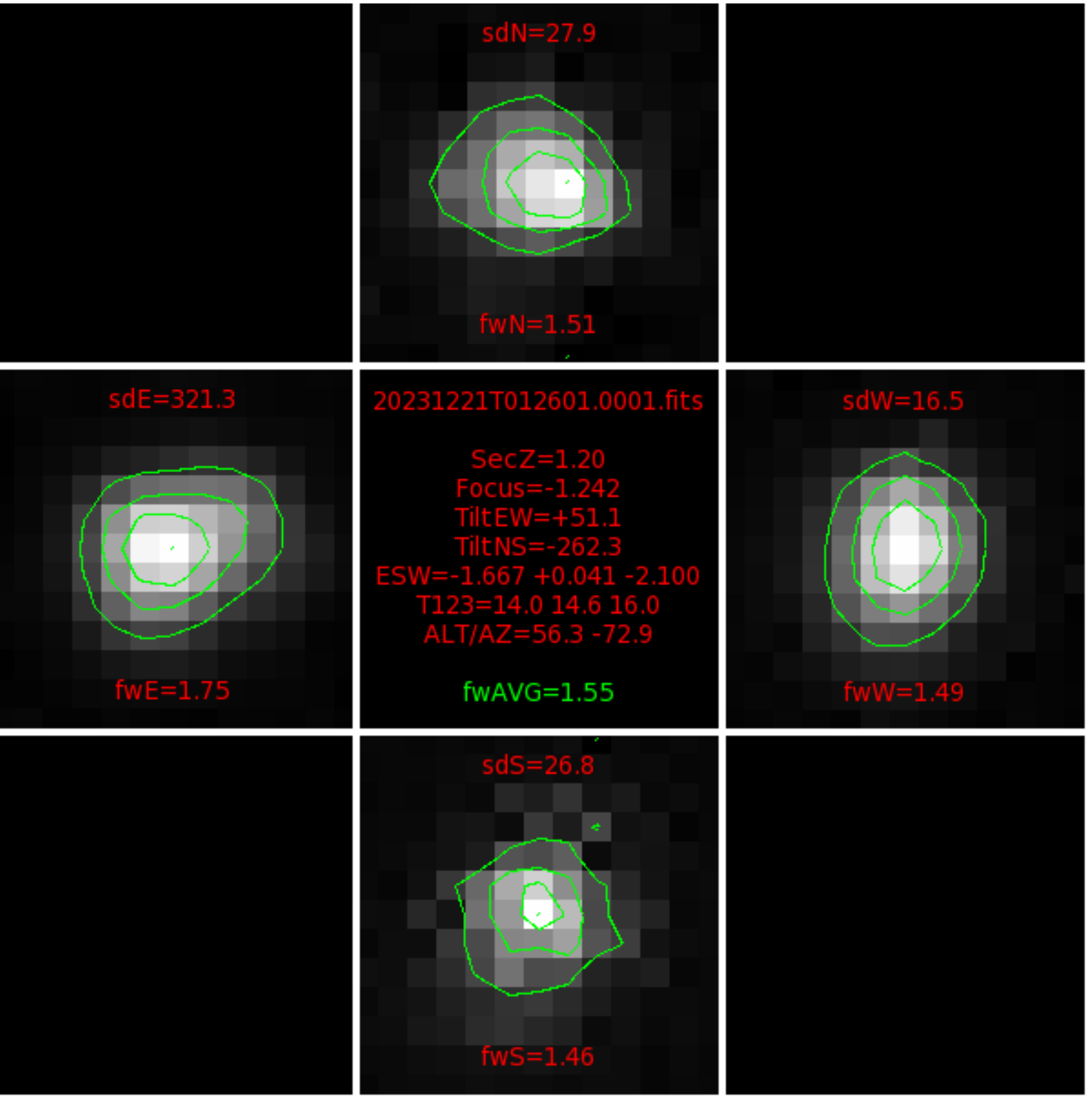

sdN=56.3
fwN=1.48
sdE=433.1
fwE=1.64
20231221T012354.0001.fits
SecZ=1.20
Focus=-1.242
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.667 +0.041 -2.100
T123=14.0 14.6 16.0
ALT/AZ=56.7 -73.0
fwAVG=1.45
sdW=28.4
fwW=1.37
sdS=52.6
fwS=1.32
0 0 0 0 0 0 0 0 0


sdN=55.3
fwN=1.52
sdE=415.4
fwE=1.62
20231221T012427.0001.fits
SecZ=1.20
Focus=-1.242
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.667 +0.041 -2.100
T123=14.0 14.6 16.0
ALT/AZ=56.6 -73.0
fwAVG=1.45
sdW=27.9
fwW=1.37
sdS=51.7
fwS=1.30
0 0 0 0 0 0 0 0 0


sdN=27.9
fwN=1.51
sdE=321.3
fwE=1.75
20231221T012601.0001.fits
SecZ=1.20
Focus=-1.242
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.667 +0.041 -2.100
T123=14.0 14.6 16.0
ALT/AZ=56.3 -72.9
fwAVG=1.55
sdW=16.5
fwW=1.49
sdS=26.8
fwS=1.46
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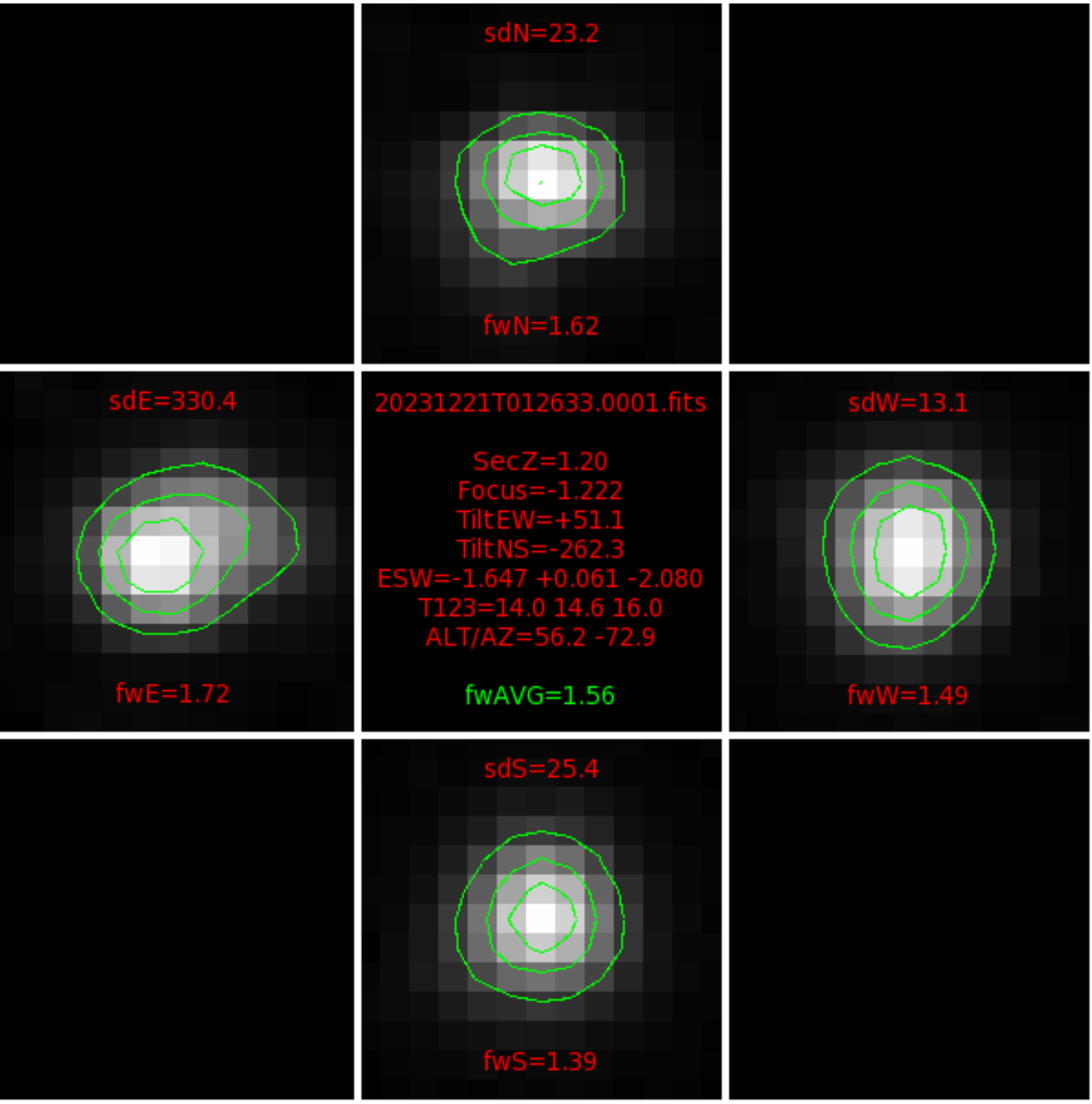
sdN=23.2
fwN=1.62
sdE=330.4
fwE=1.72
20231221T012633.0001.fits
SecZ=1.20
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.0 14.6 16.0
ALT/AZ=56.2 -72.9
fwAVG=1.56
sdW=13.1
fwW=1.49
sdS=25.4
fwS=1.39
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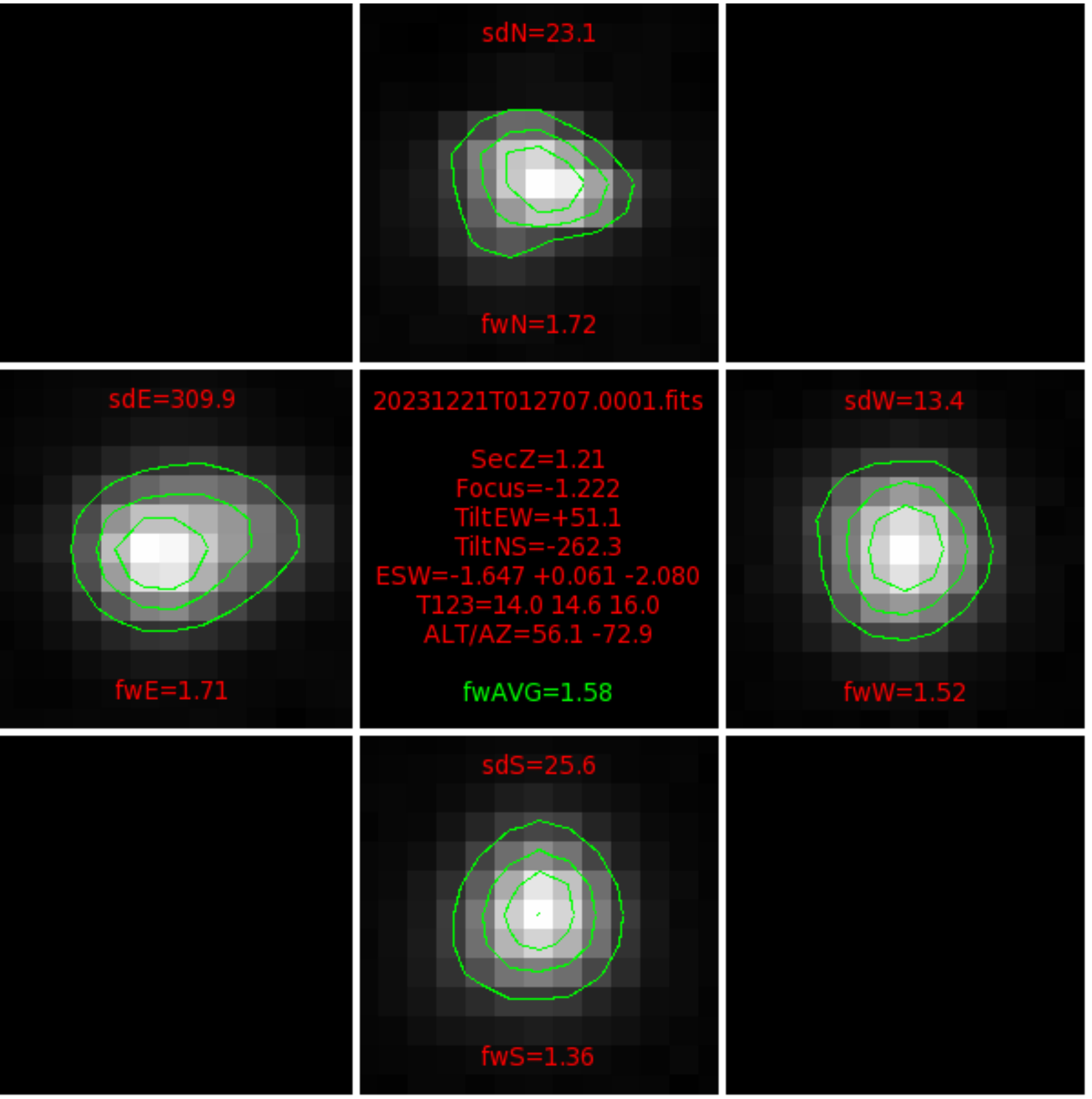
sdN=23.1
fwN=1.72
sdE=309.9
fwE=1.71
20231221T012707.0001.fits
SecZ=1.21
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=14.0 14.6 16.0
ALT/AZ=56.1 -72.9
fwAVG=1.58
sdW=13.4
fwW=1.52
sdS=25.6
fwS=1.36
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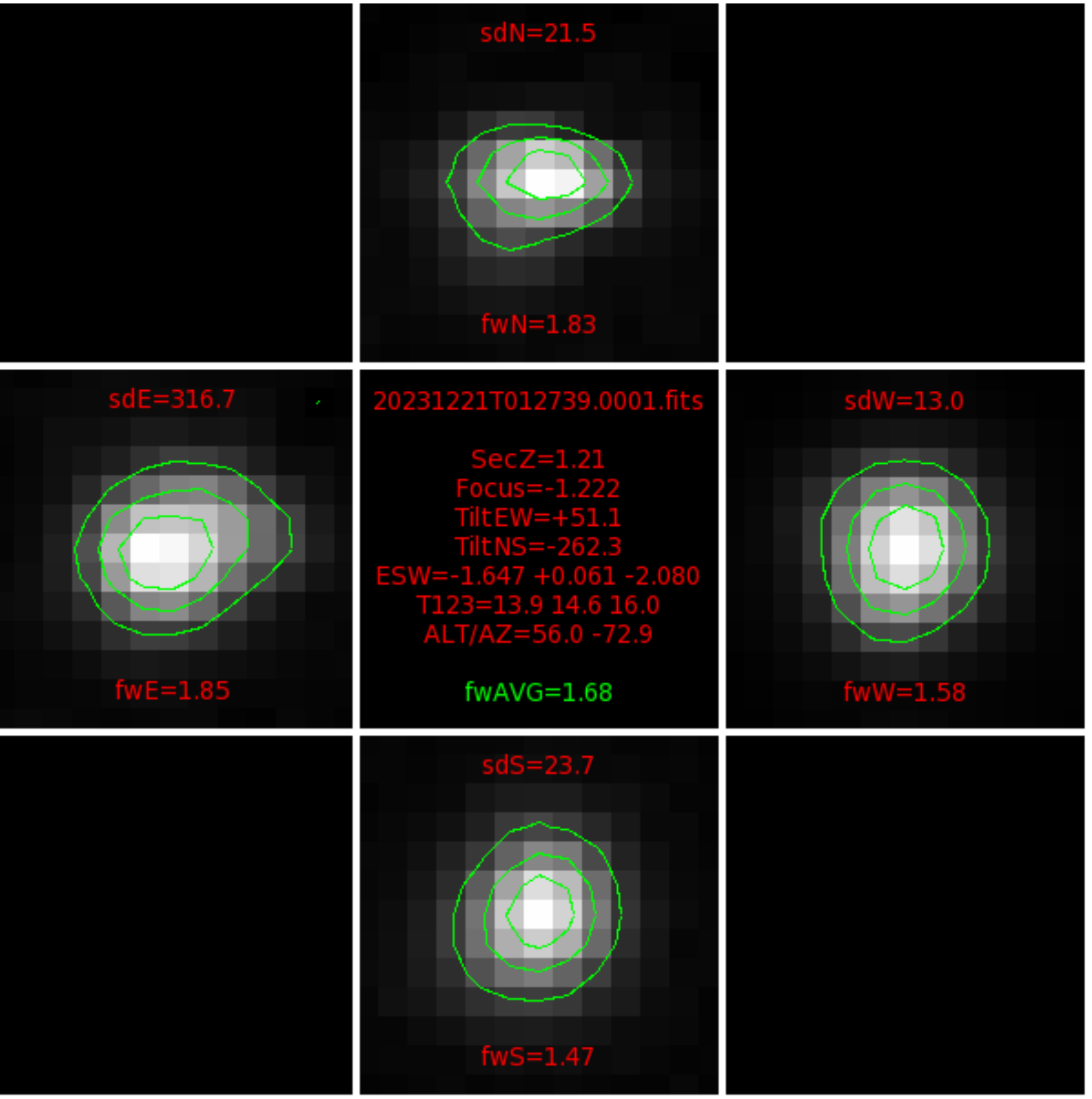
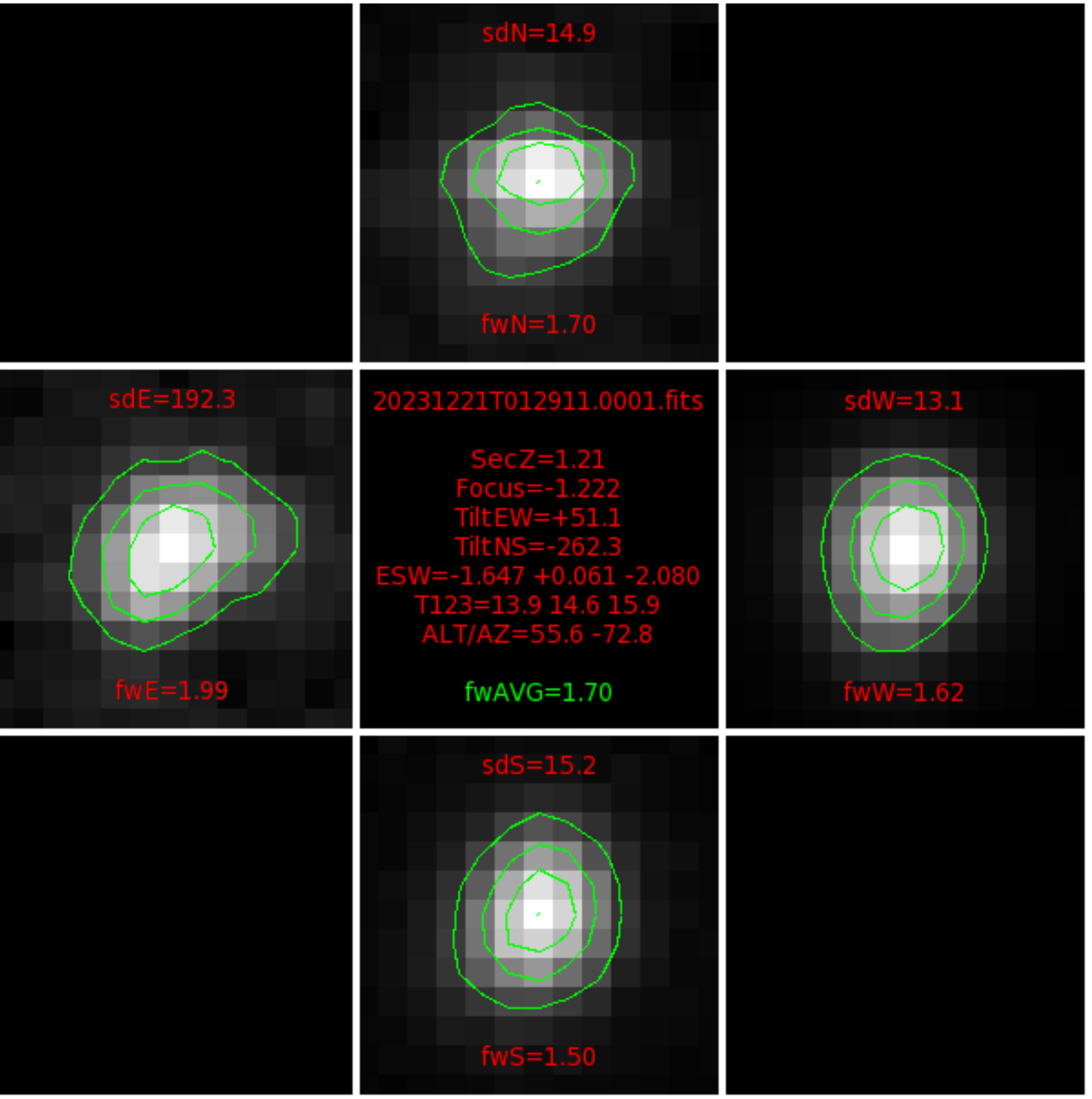
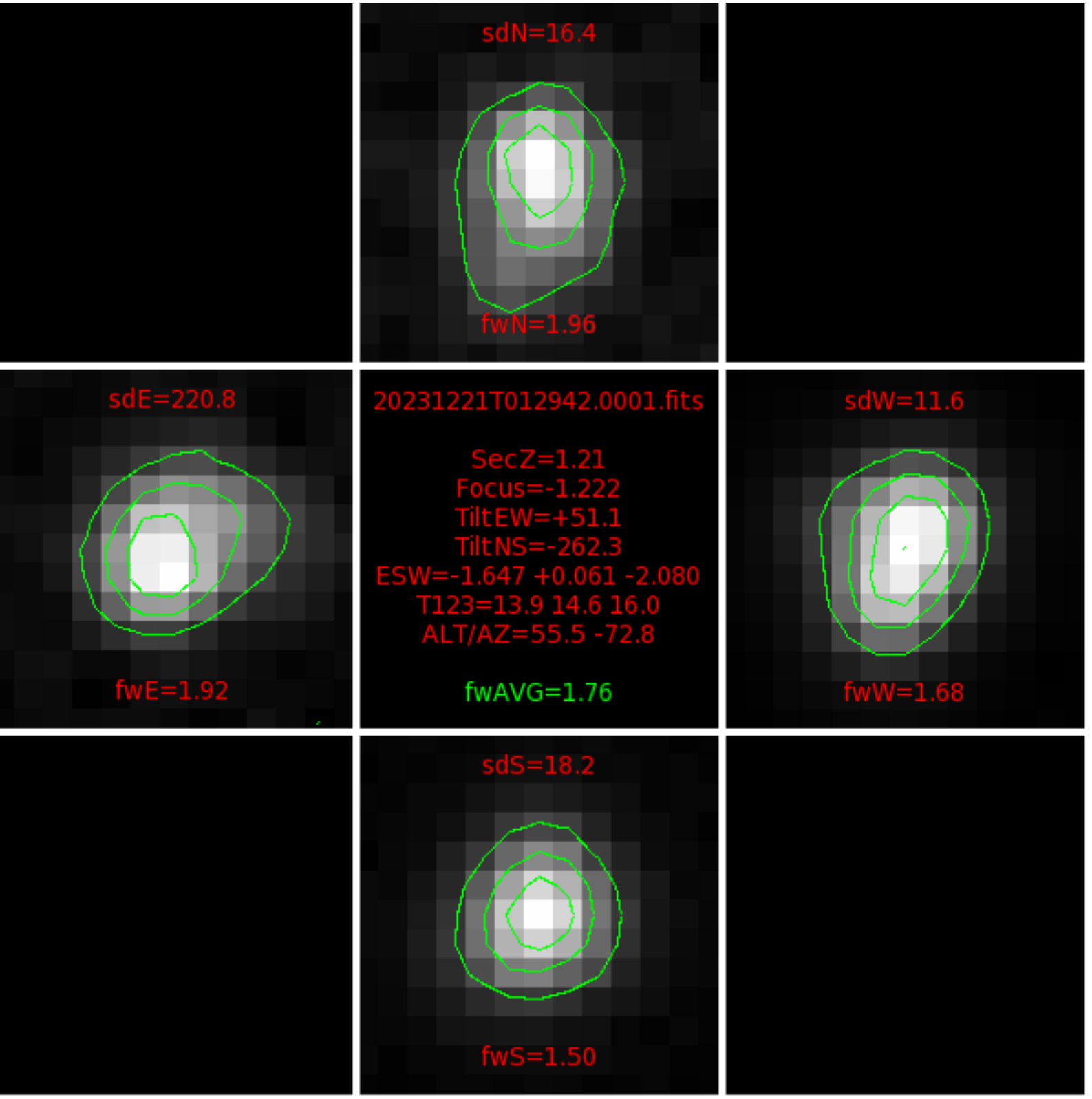
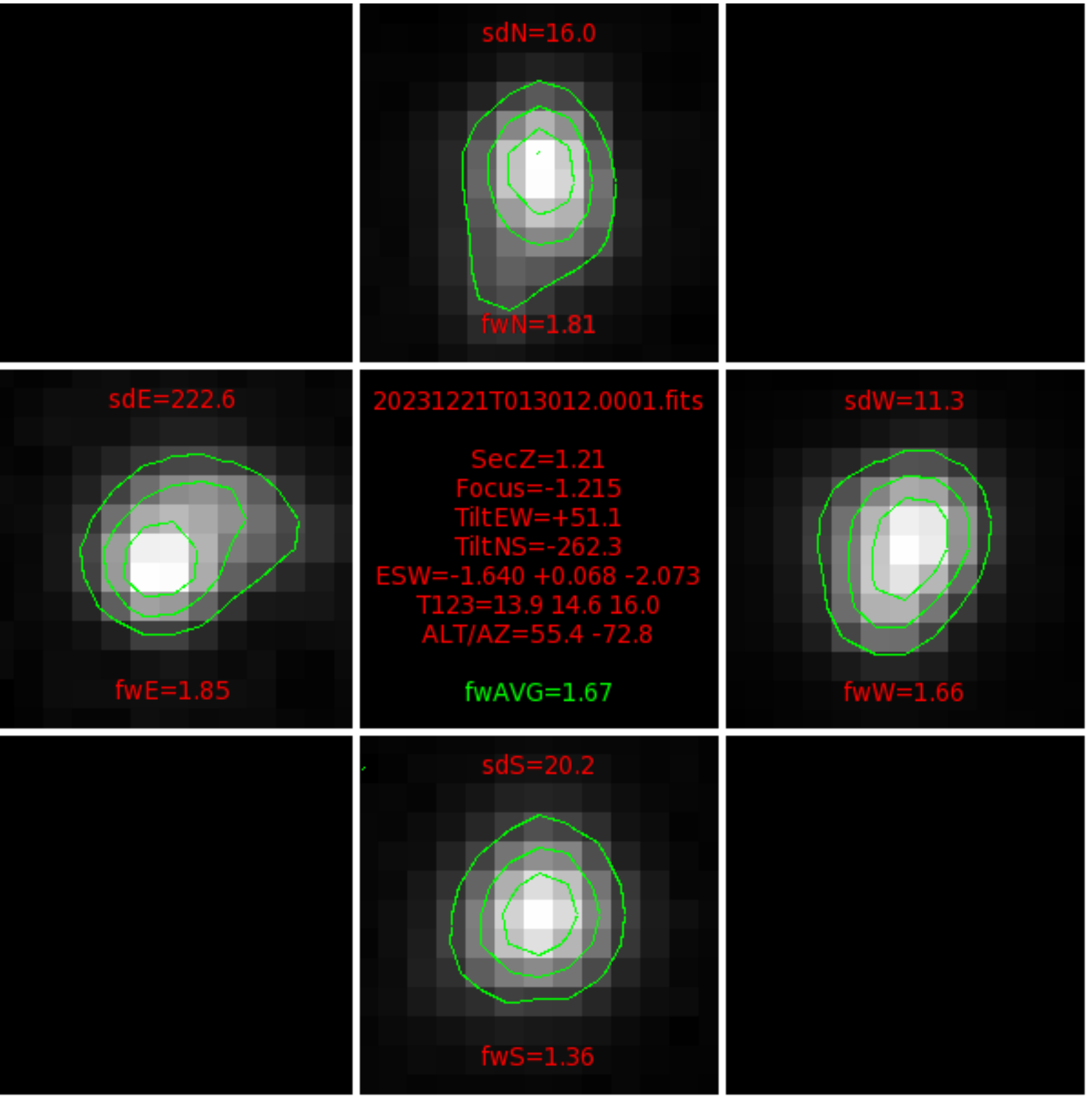

sdN=21.5
fwN=1.83
sdE=316.7
fwE=1.85
20231221T012739.0001.fits
SecZ=1.21
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=13.9 14.6 16.0
ALT/AZ=56.0 -72.9
fwAVG=1.68
sdW=13.0
fwW=1.58
sdS=23.7
fwS=1.47
0 0 0 0 0 0 0 0 0


sdN=14.9
fwN=1.70
sdE=192.3
fwE=1.99
20231221T012911.0001.fits
SecZ=1.21
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=13.9 14.6 15.9
ALT/AZ=55.6 -72.8
fwAVG=1.70
sdW=13.1
fwW=1.62
sdS=15.2
fwS=1.50
0 0 0 0 0 0 0 0 0


sdN=16.4
fwN=1.96
sdE=220.8
fwE=1.92
20231221T012942.0001.fits
SecZ=1.21
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=13.9 14.6 16.0
ALT/AZ=55.5 -72.8
fwAVG=1.76
sdW=11.6
fwW=1.68
sdS=18.2
fwS=1.50
0 0 0 0 0 0 0 0 0


sdN=16.0
fwN=1.81
sdE=222.6
fwE=1.85
20231221T013012.0001.fits
SecZ=1.21
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.9 14.6 16.0
ALT/AZ=55.4 -72.8
fwAVG=1.67
sdW=11.3
fwW=1.66
sdS=20.2
fwS=1.36
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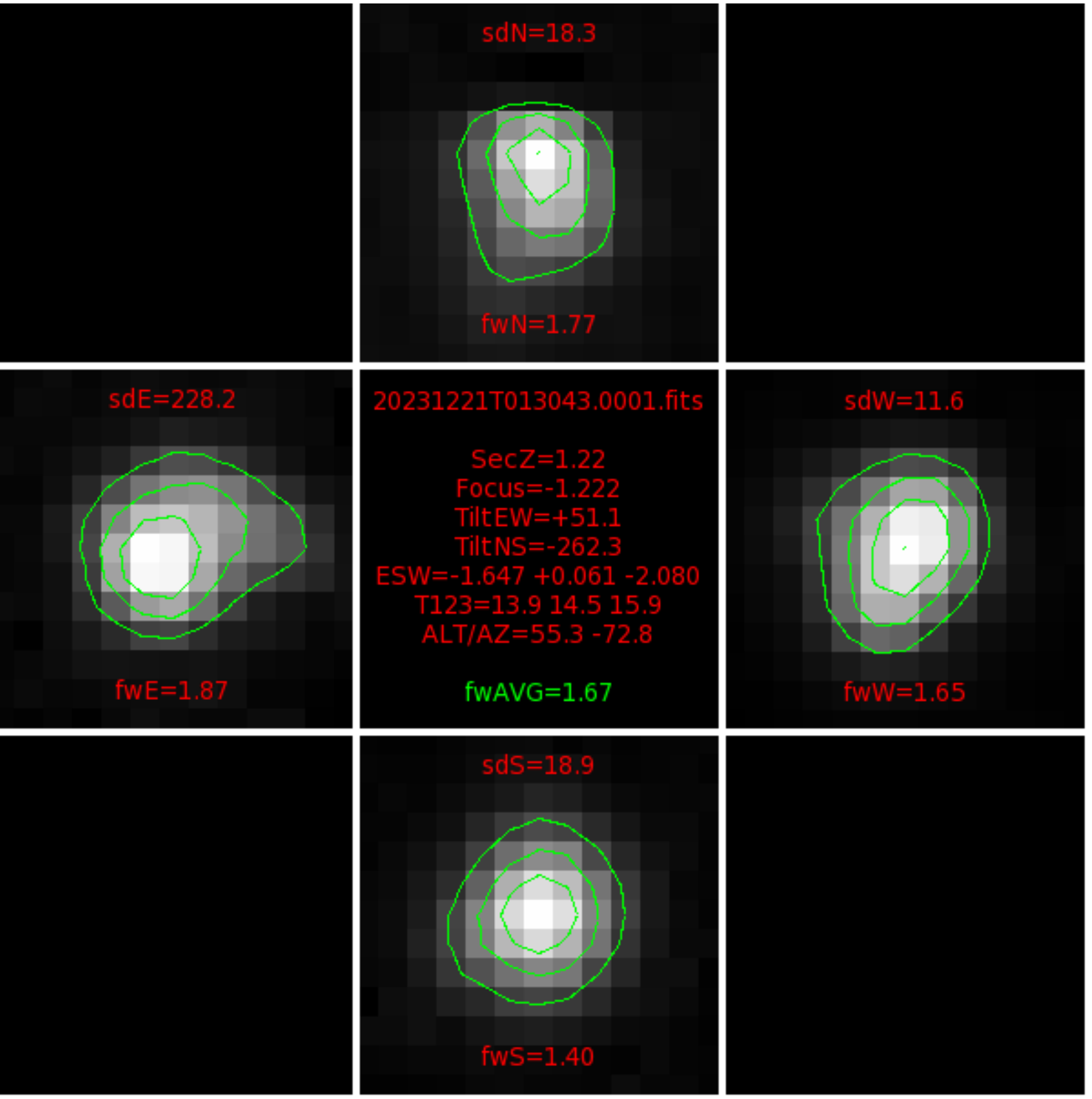
sdN=18.3
fwN=1.77
sdE=228.2
fwE=1.87
20231221T013043.0001.fits
SecZ=1.22
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=13.9 14.5 15.9
ALT/AZ=55.3 -72.8
fwAVG=1.67
sdW=11.6
fwW=1.65
sdS=18.9
fwS=1.40
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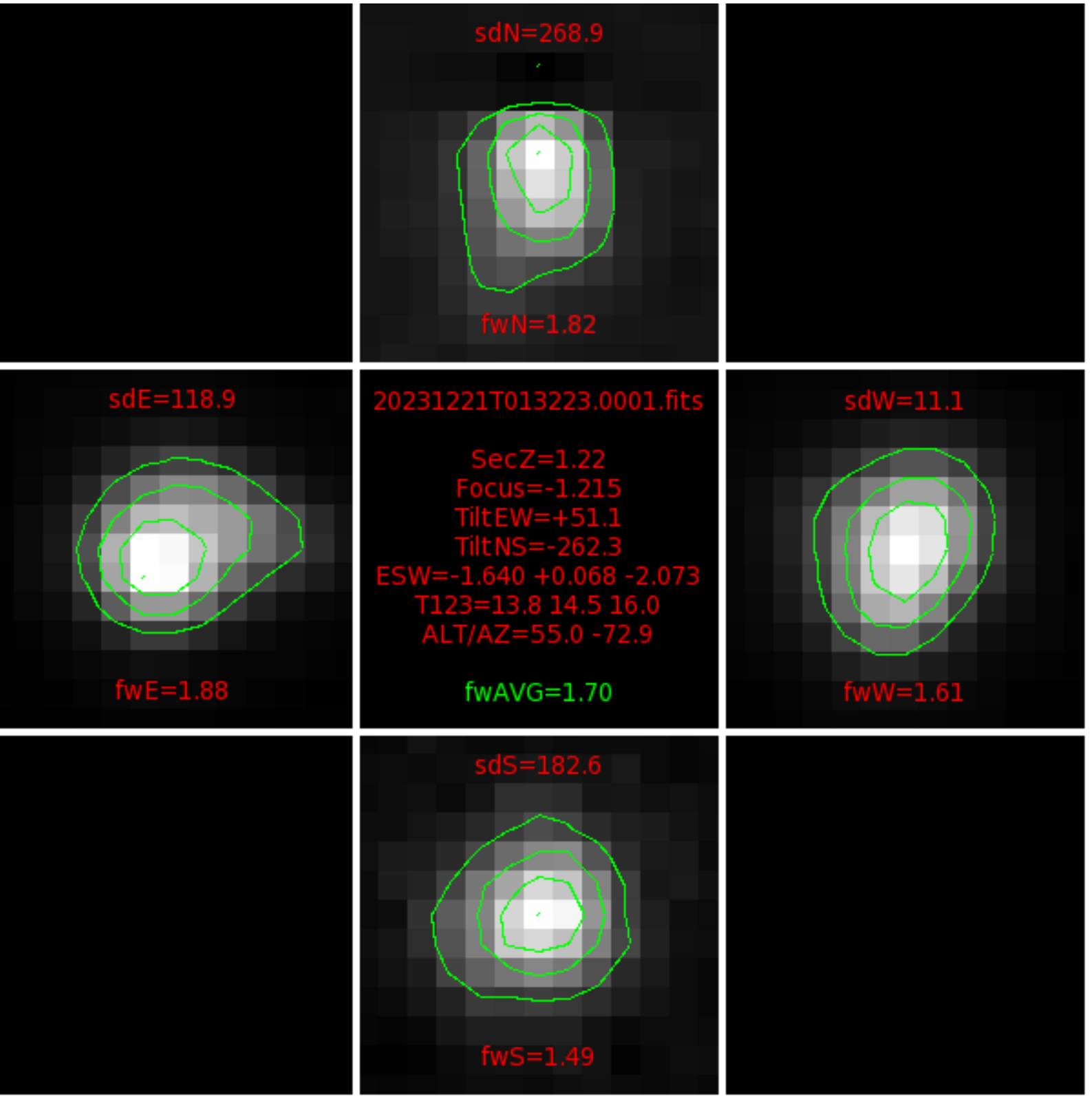
sdN=268.9
fwN=1.82
sdE=118.9
fwE=1.88
20231221T013223.0001.fits
SecZ=1.22
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.8 14.5 16.0
ALT/AZ=55.0 -72.9
fwAVG=1.70
sdW=11.1
fwW=1.61
sdS=182.6
fwS=1.49
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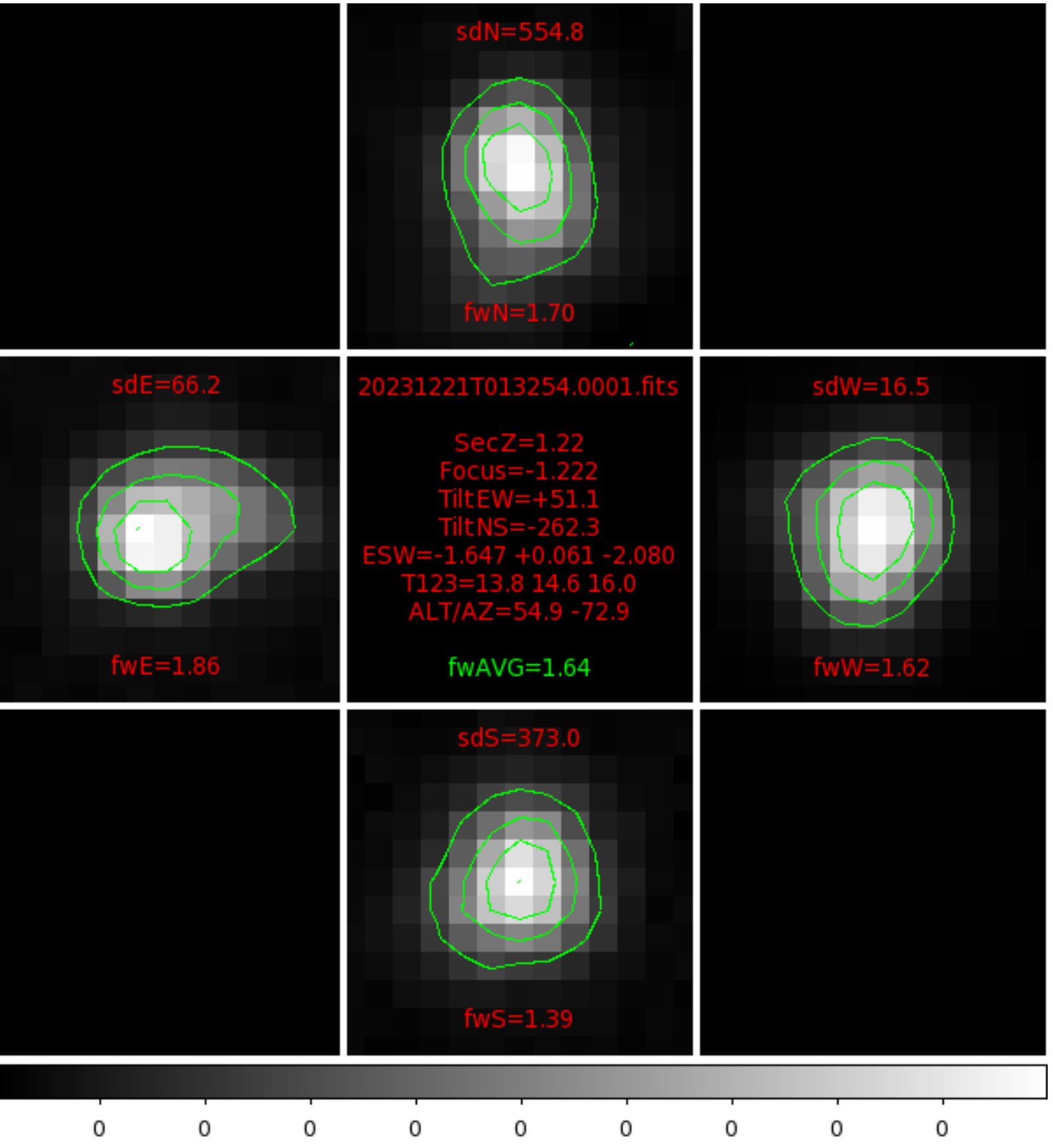
sdN=554.8
fwN=1.70
sdE=66.2
fwE=1.86
20231221T013254.0001.fits
SecZ=1.22
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=13.8 14.6 16.0
ALT/AZ=54.9 -72.9
fwAVG=1.64
sdW=16.5
fwW=1.62
sdS=373.0
fwS=1.39
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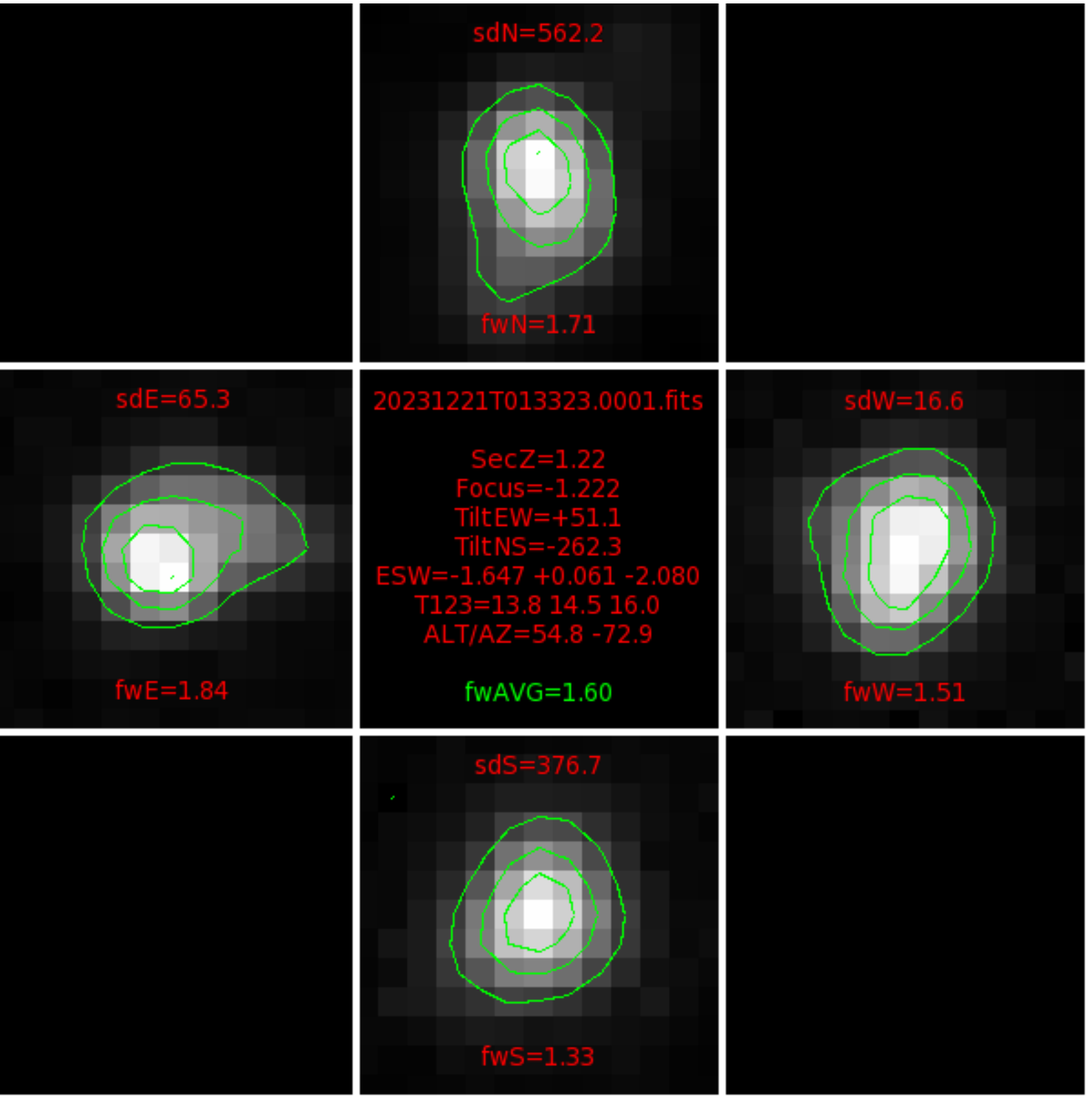
sdN=562.2
fwN=1.71
sdE=65.3
fwE=1.84
20231221T013323.0001.fits
SecZ=1.22
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=13.8 14.5 16.0
ALT/AZ=54.8 -72.9
fwAVG=1.60
sdW=16.6
fwW=1.51
sdS=376.7
fwS=1.33
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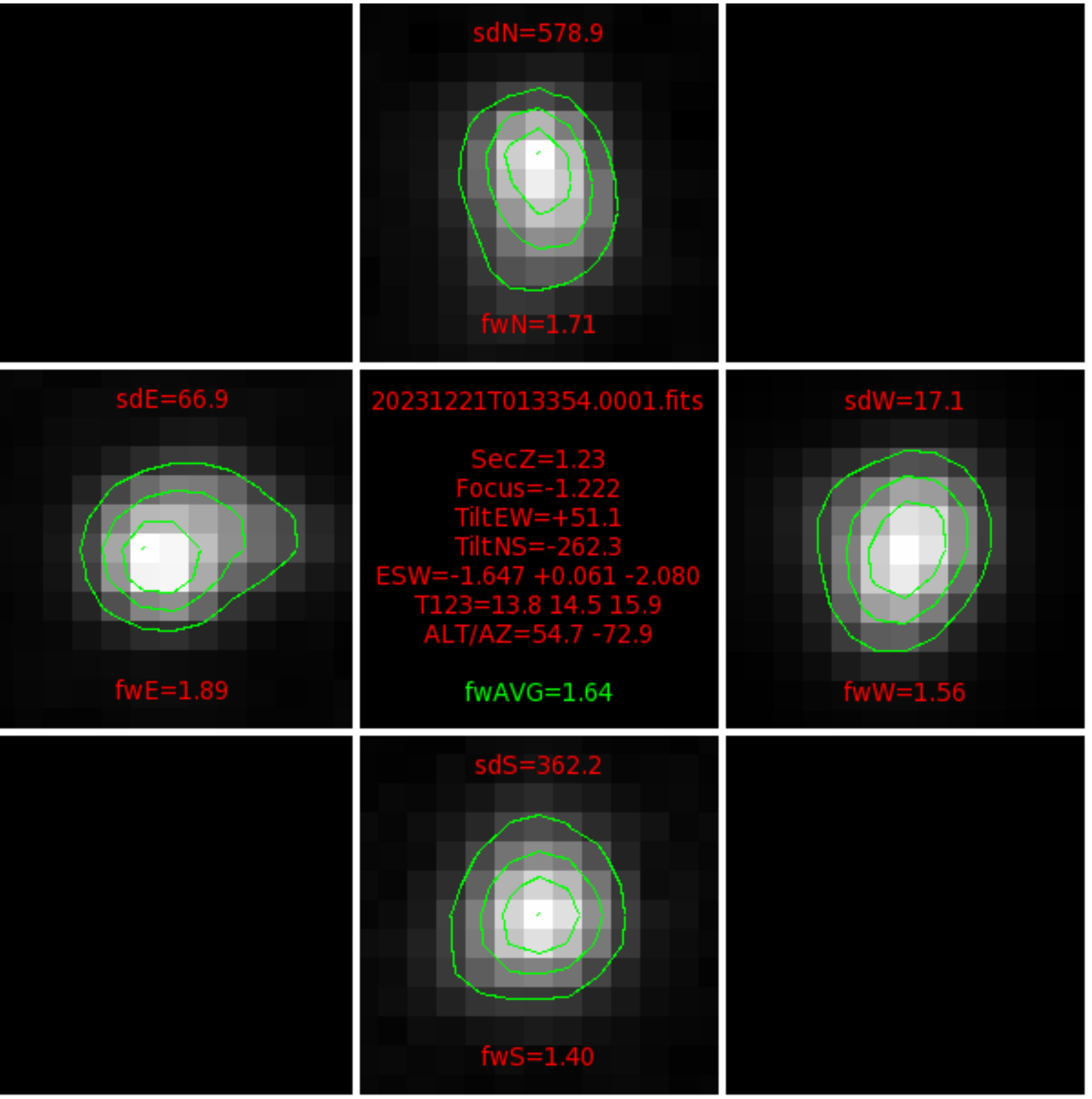
sdN=578.9
fwN=1.71
sdE=66.9
fwE=1.89
20231221T013354.0001.fits
SecZ=1.23
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=13.8 14.5 15.9
ALT/AZ=54.7 -72.9
fwAVG=1.64
sdW=17.1
fwW=1.56
sdS=362.2
fwS=1.40
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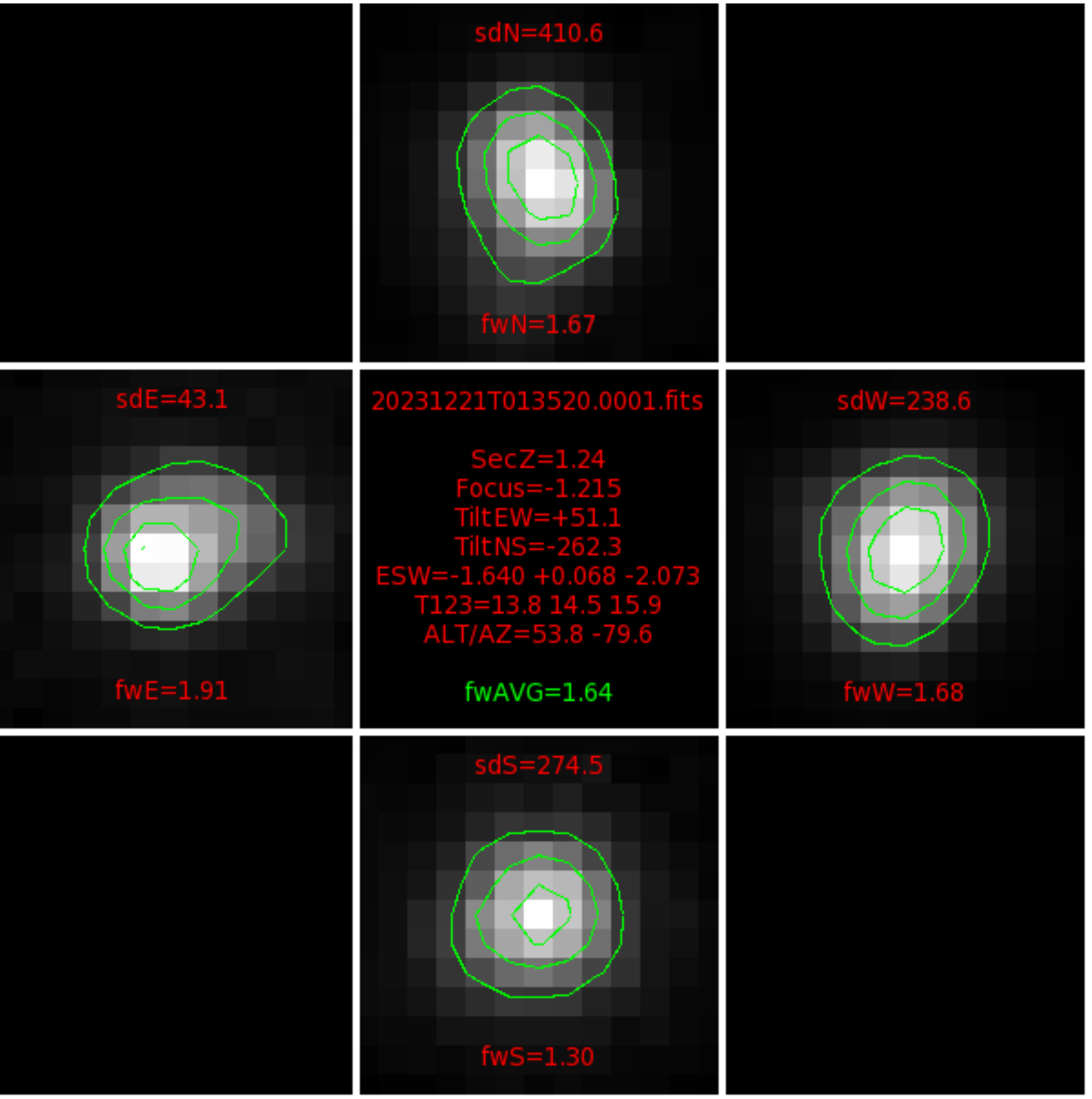
sdN=410.6
fwN=1.67
sdE=43.1
fwE=1.91
20231221T013520.0001.fits
SecZ=1.24
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.8 14.5 15.9
ALT/AZ=53.8 -79.6
fwAVG=1.64
sdW=238.6
fwW=1.68
sdS=274.5
fwS=1.30
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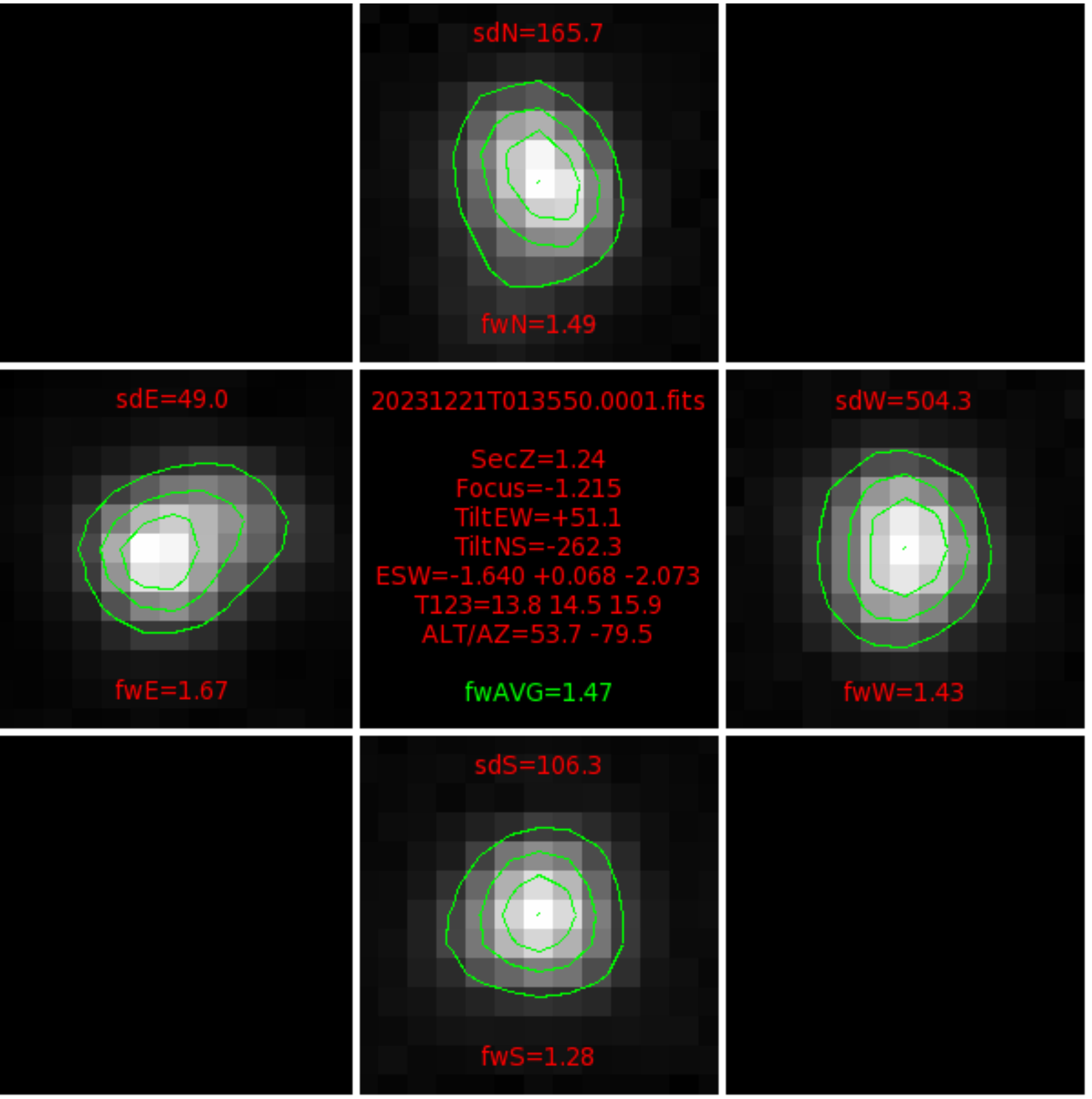
sdN=165.7
fwN=1.49
sdE=49.0
fwE=1.67
20231221T013550.0001.fits
SecZ=1.24
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.8 14.5 15.9
ALT/AZ=53.7 -79.5
fwAVG=1.47
sdW=504.3
fwW=1.43
sdS=106.3
fwS=1.28
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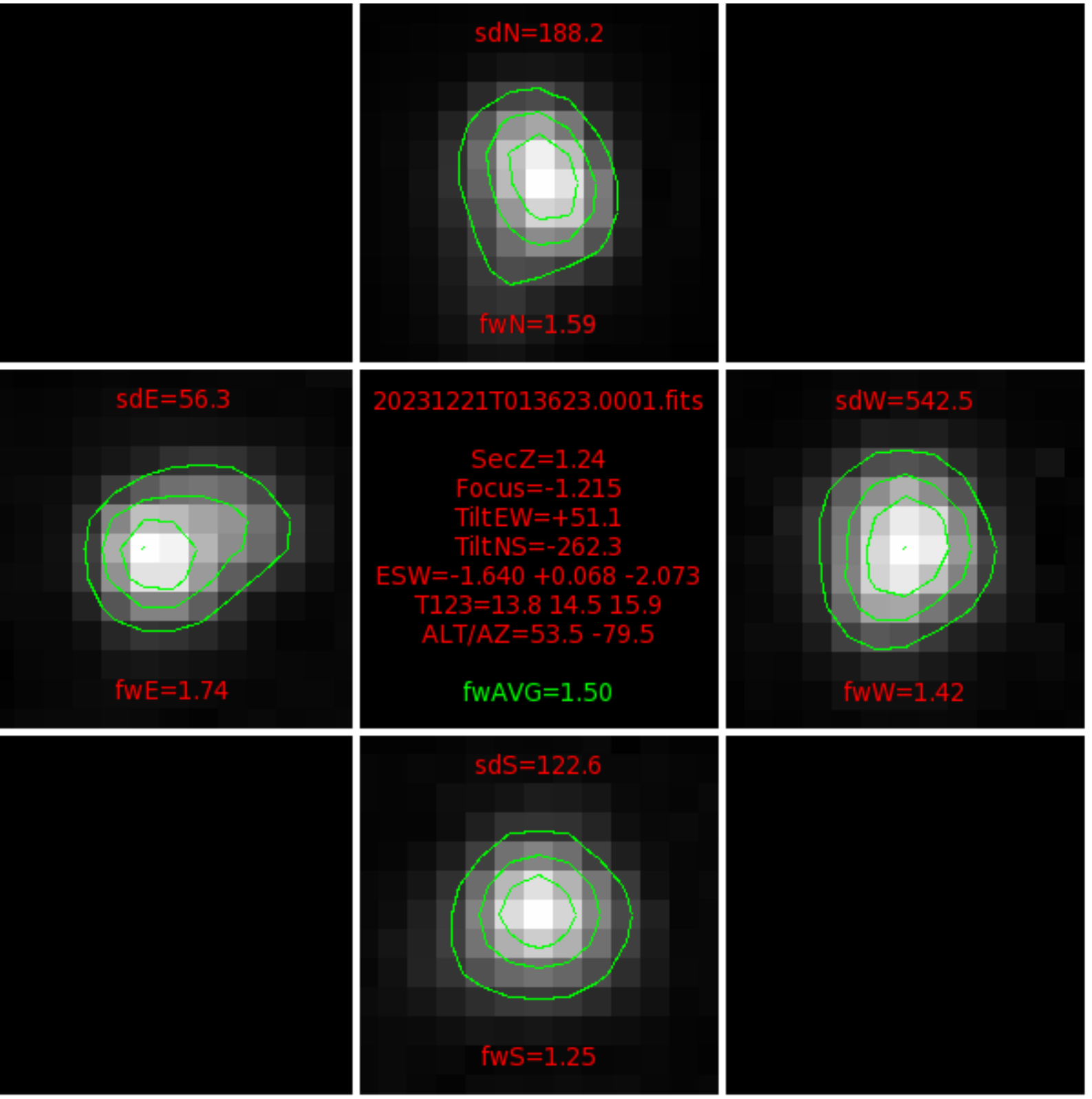
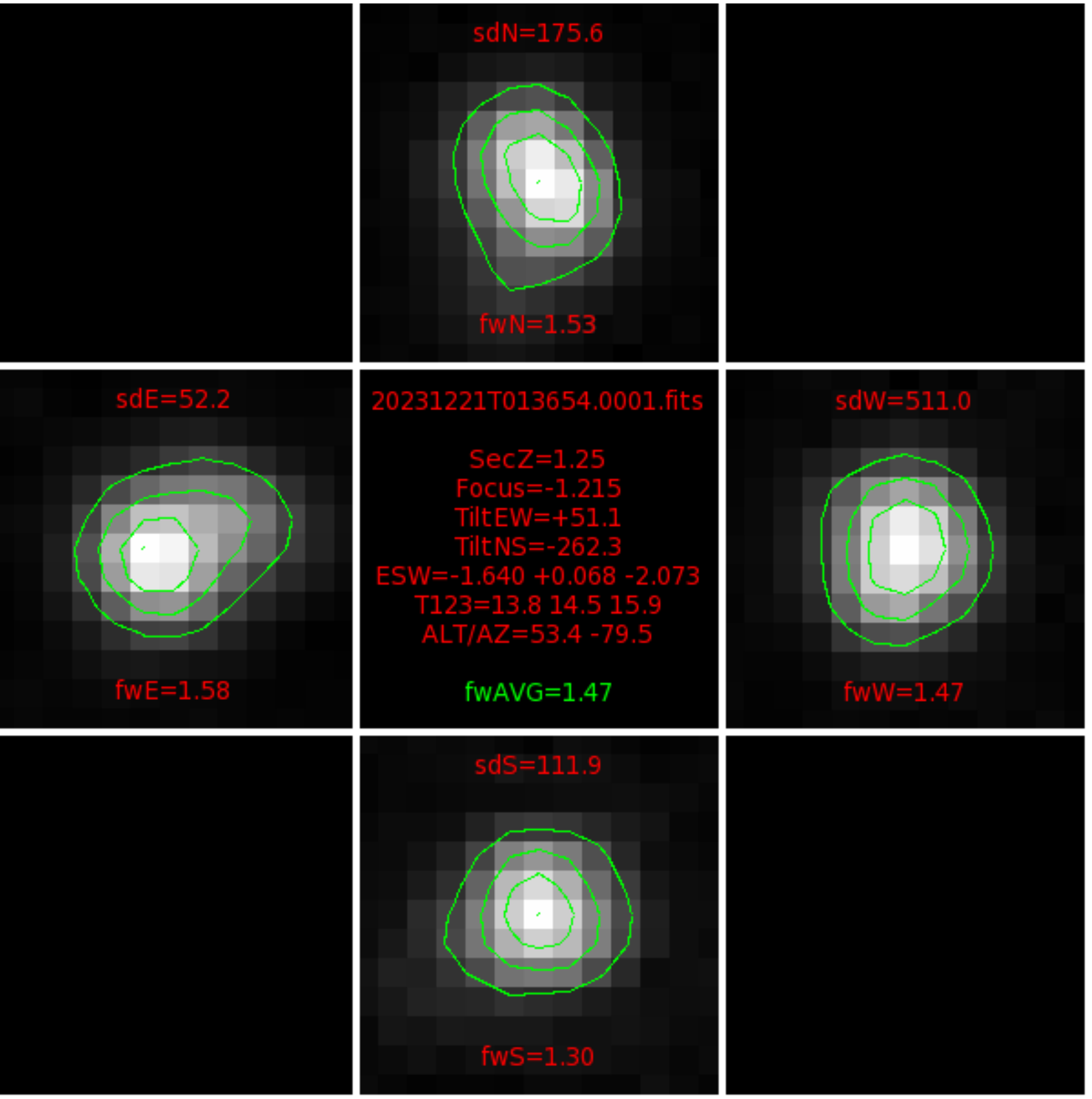

sdN=188.2
fwN=1.59
sdE=56.3
fwE=1.74
20231221T013623.0001.fits
SecZ=1.24
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.8 14.5 15.9
ALT/AZ=53.5 -79.5
fwAVG=1.50
sdW=542.5
fwW=1.42
sdS=122.6
fwS=1.25
0 0 0 0 0 0 0 0 0


sdN=175.6
fwN=1.53
sdE=52.2
fwE=1.58
20231221T013654.0001.fits
SecZ=1.25
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.8 14.5 15.9
ALT/AZ=53.4 -79.5
fwAVG=1.47
sdW=511.0
fwW=1.47
sdS=111.9
fwS=1.30
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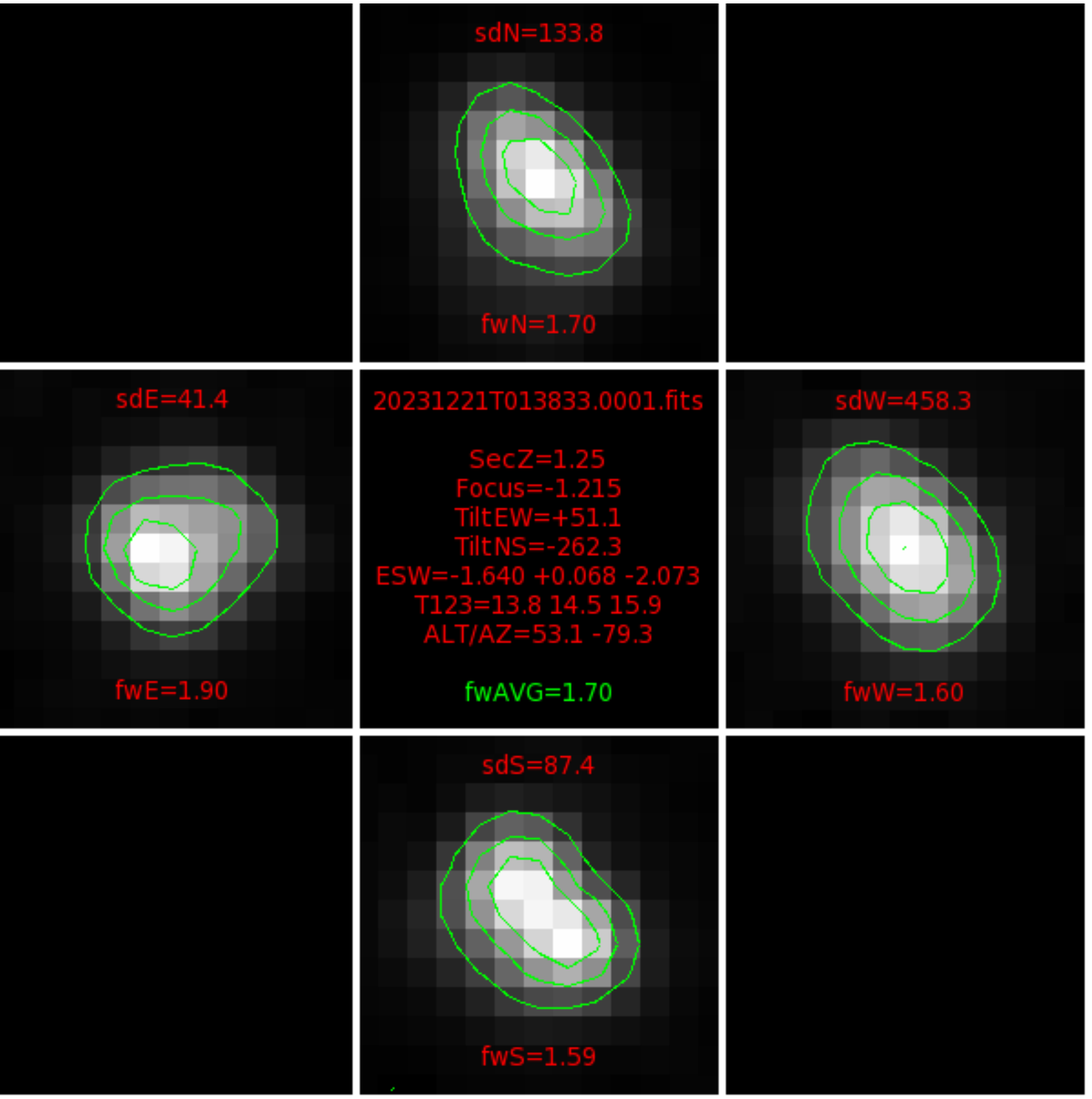
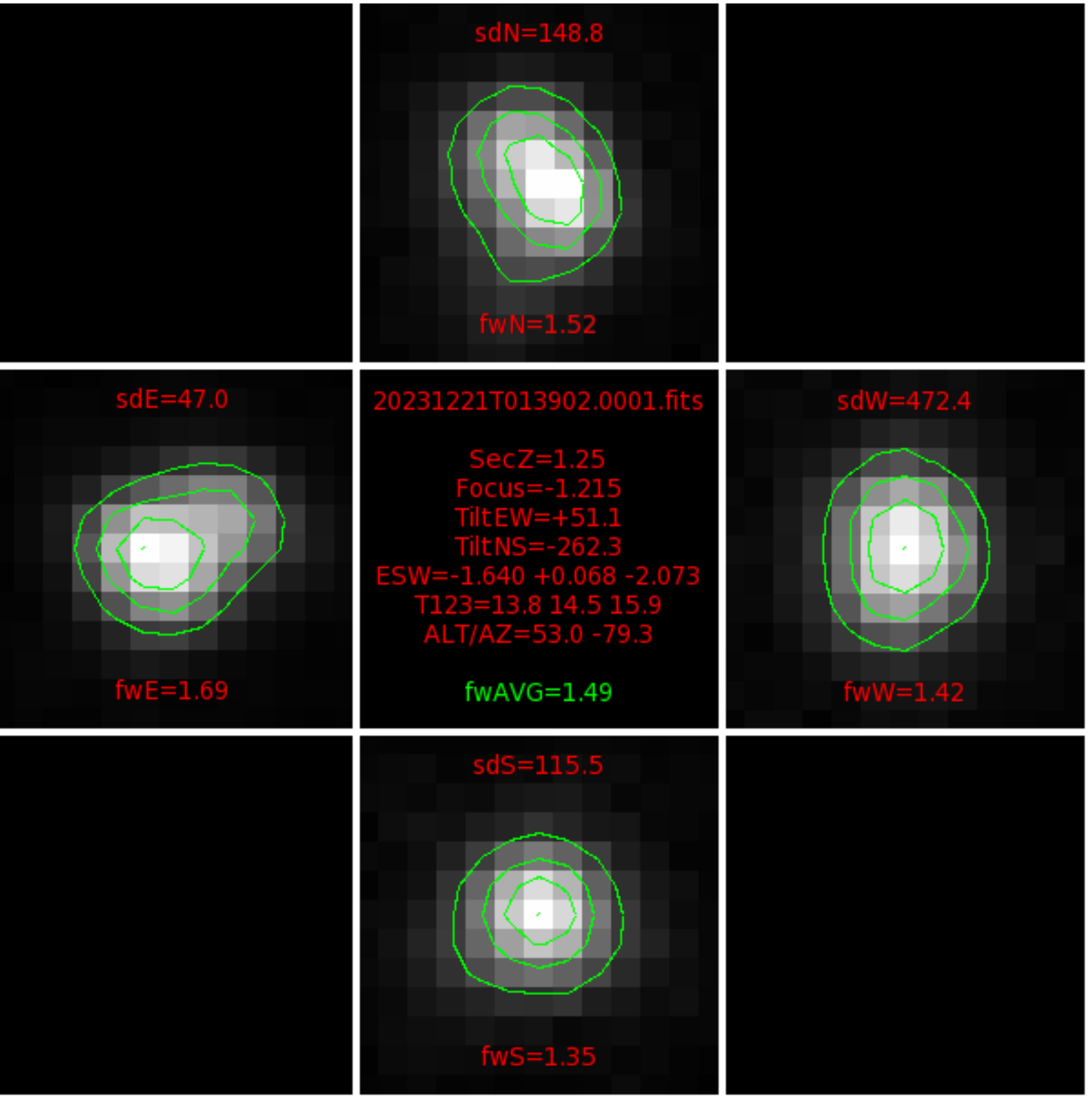

sdN=133.8
fwN=1.70
sdE=41.4
fwE=1.90
20231221T013833.0001.fits
SecZ=1.25
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.8 14.5 15.9
ALT/AZ=53.1 -79.3
fwAVG=1.70
sdW=458.3
fwW=1.60
sdS=87.4
fwS=1.59
0 0 0 0 0 0 0 0 0


sdN=148.8
fwN=1.52
sdE=47.0
fwE=1.69
20231221T013902.0001.fits
SecZ=1.25
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.8 14.5 15.9
ALT/AZ=53.0 -79.3
fwAVG=1.49
sdW=472.4
fwW=1.42
sdS=115.5
fwS=1.35
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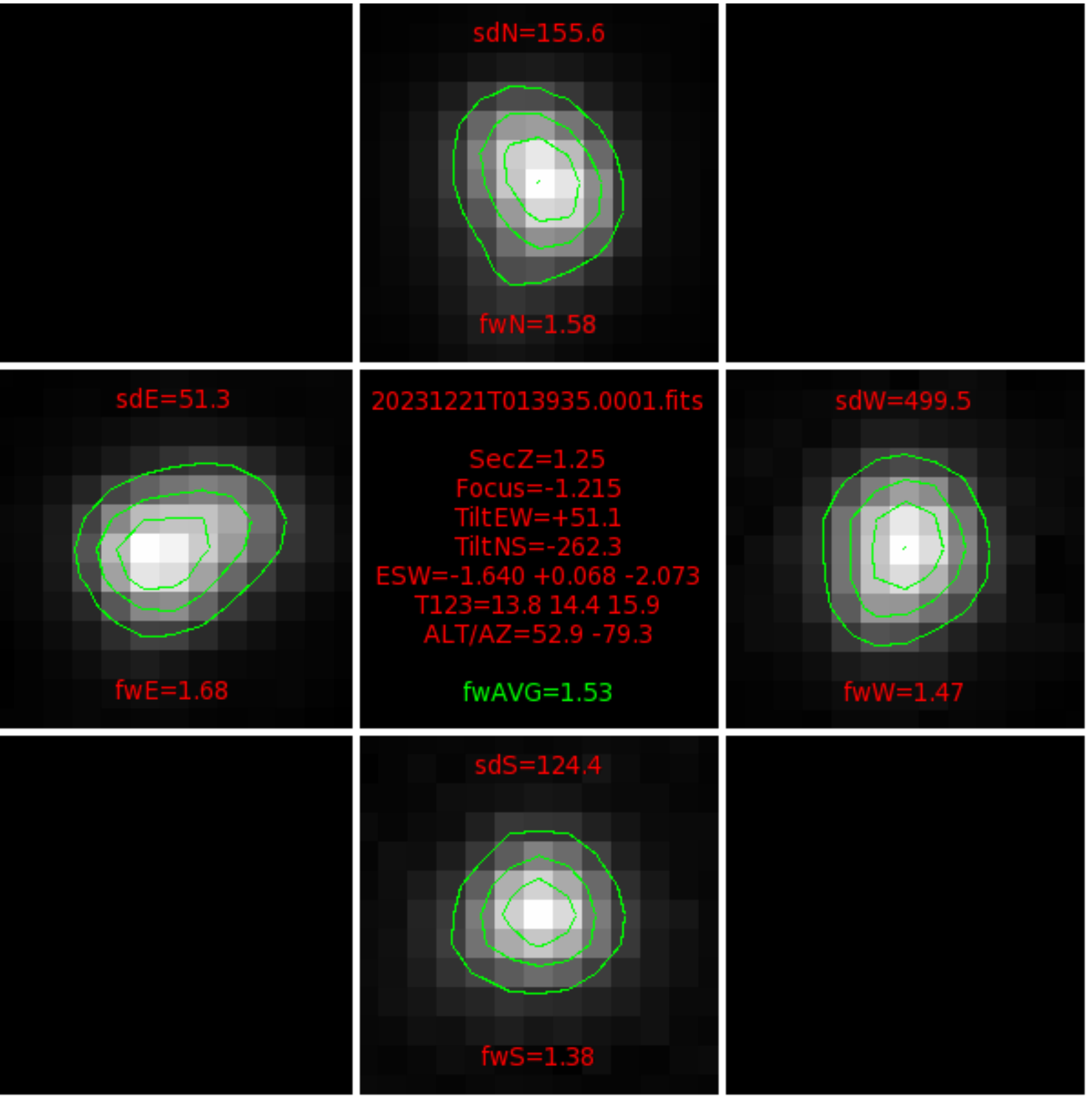
sdN=155.6
fwN=1.58
sdE=51.3
fwE=1.68
20231221T013935.0001.fits
SecZ=1.25
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.8 14.4 15.9
ALT/AZ=52.9 -79.3
fwAVG=1.53
sdW=499.5
fwW=1.47
sdS=124.4
fwS=1.38
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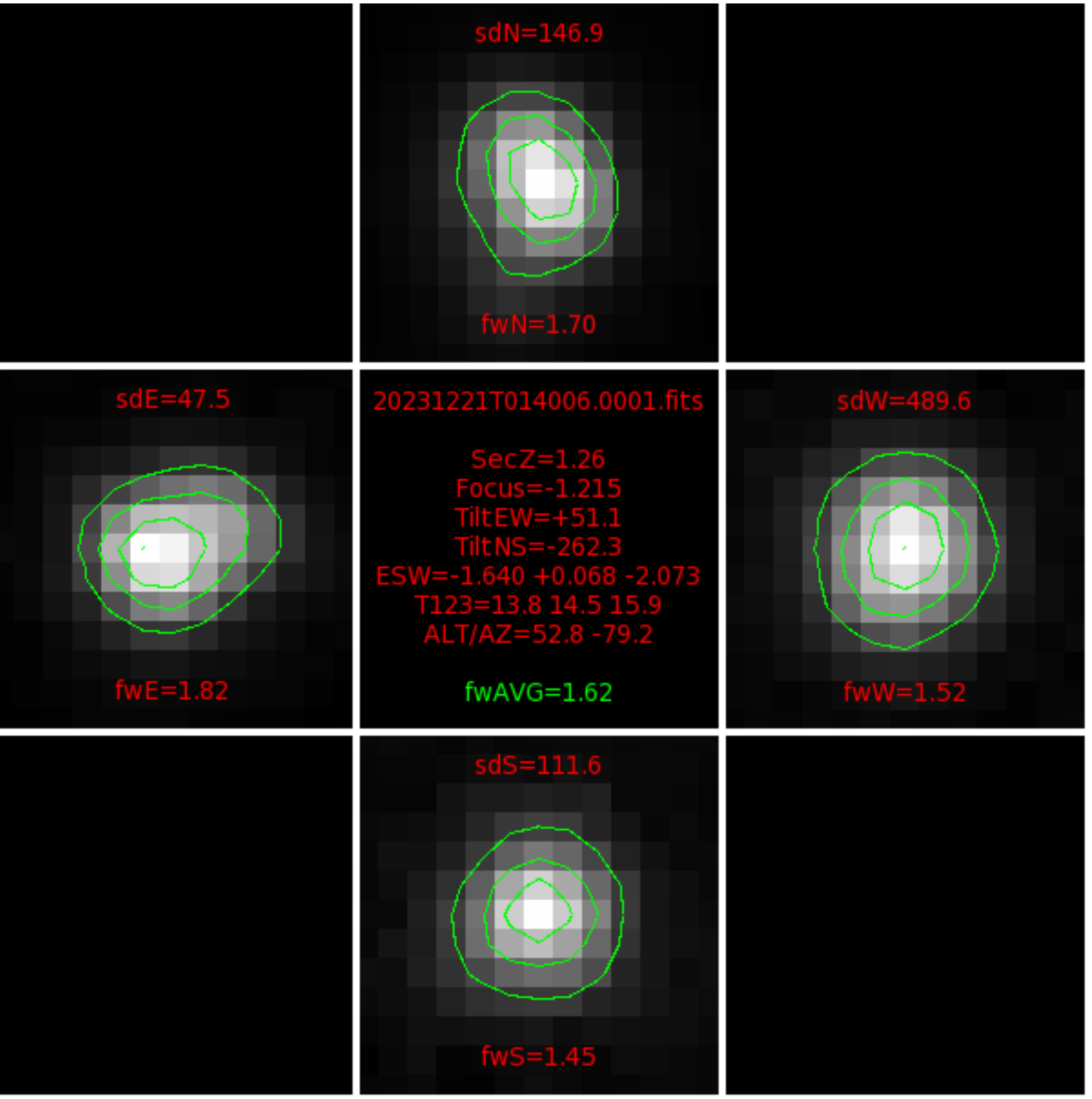
sdN=146.9
fwN=1.70
sdE=47.5
fwE=1.82
20231221T014006.0001.fits
SecZ=1.26
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.8 14.5 15.9
ALT/AZ=52.8 -79.2
fwAVG=1.62
sdW=489.6
fwW=1.52
sdS=111.6
fwS=1.45
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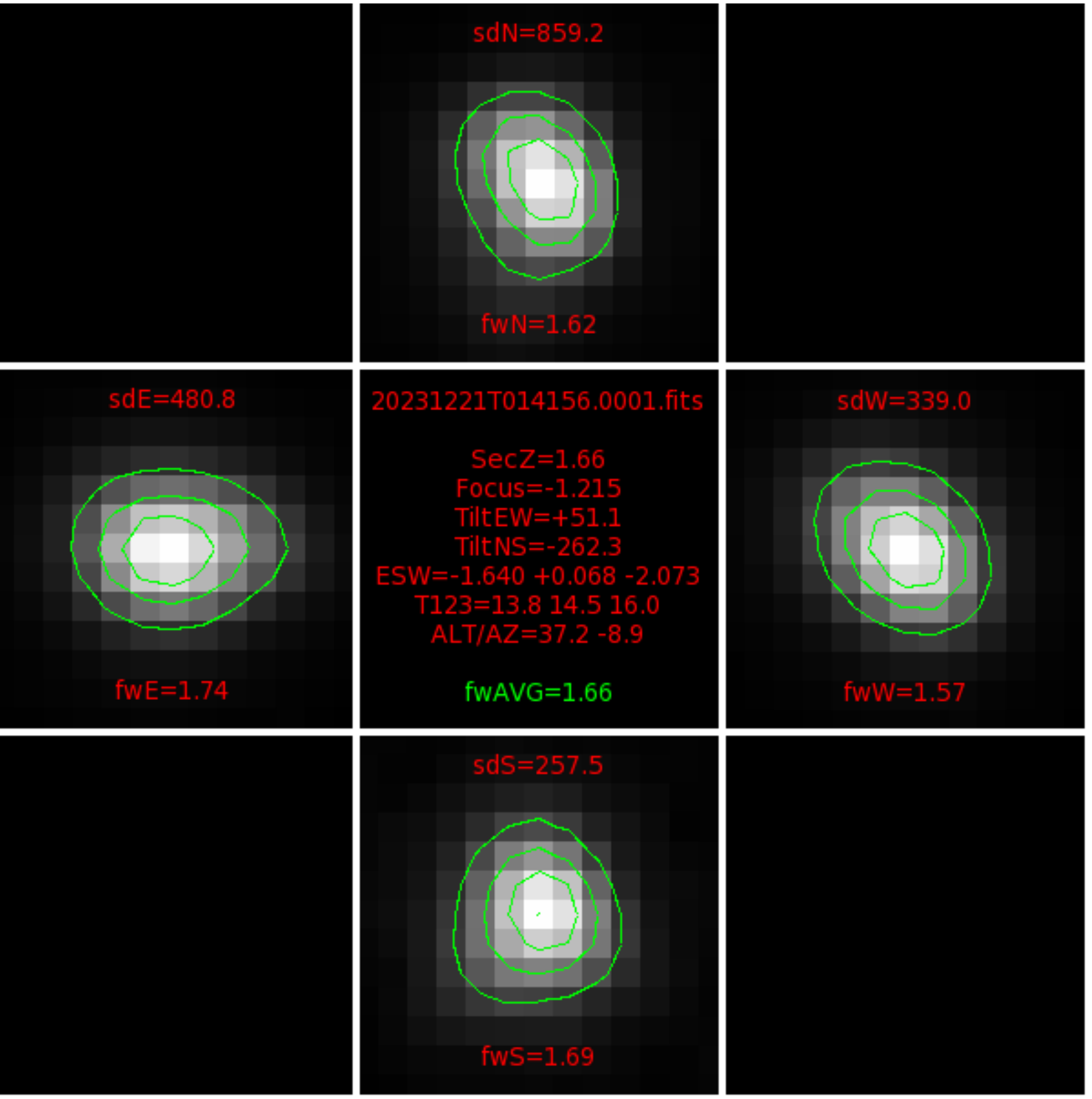
sdN=859.2
fwN=1.62
sdE=480.8
fwE=1.74
20231221T014156.0001.fits
SecZ=1.66
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.8 14.5 16.0
ALT/AZ=37.2 -8.9
fwAVG=1.66
sdW=339.0
fwW=1.57
sdS=257.5
fwS=1.69
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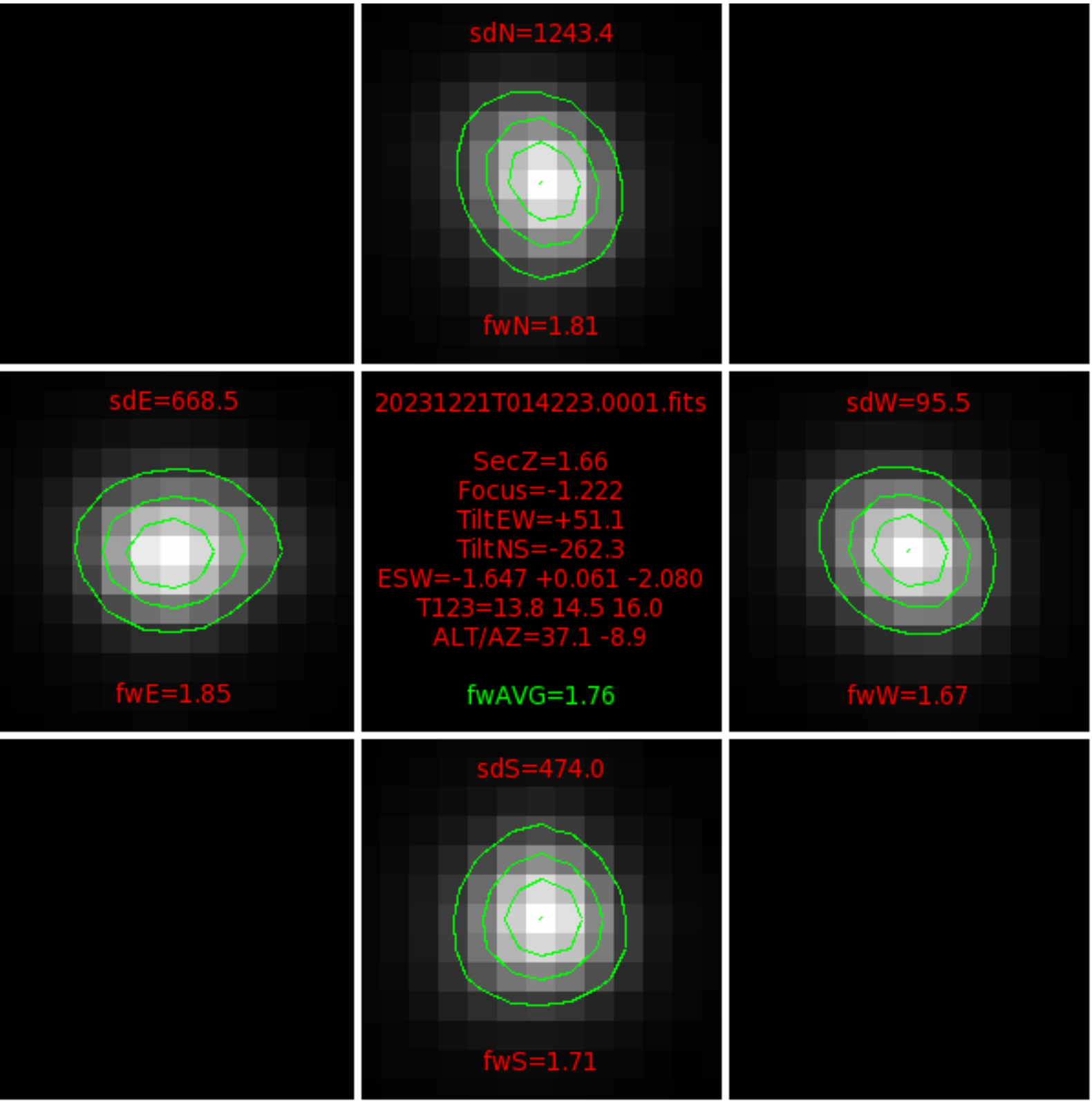
sdN=1243.4
fwN=1.81
sdE=668.5
fwE=1.85
20231221T014223.0001.fits
SecZ=1.66
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=13.8 14.5 16.0
ALT/AZ=37.1 -8.9
fwAVG=1.76
sdW=95.5
fwW=1.67
sdS=474.0
fwS=1.71
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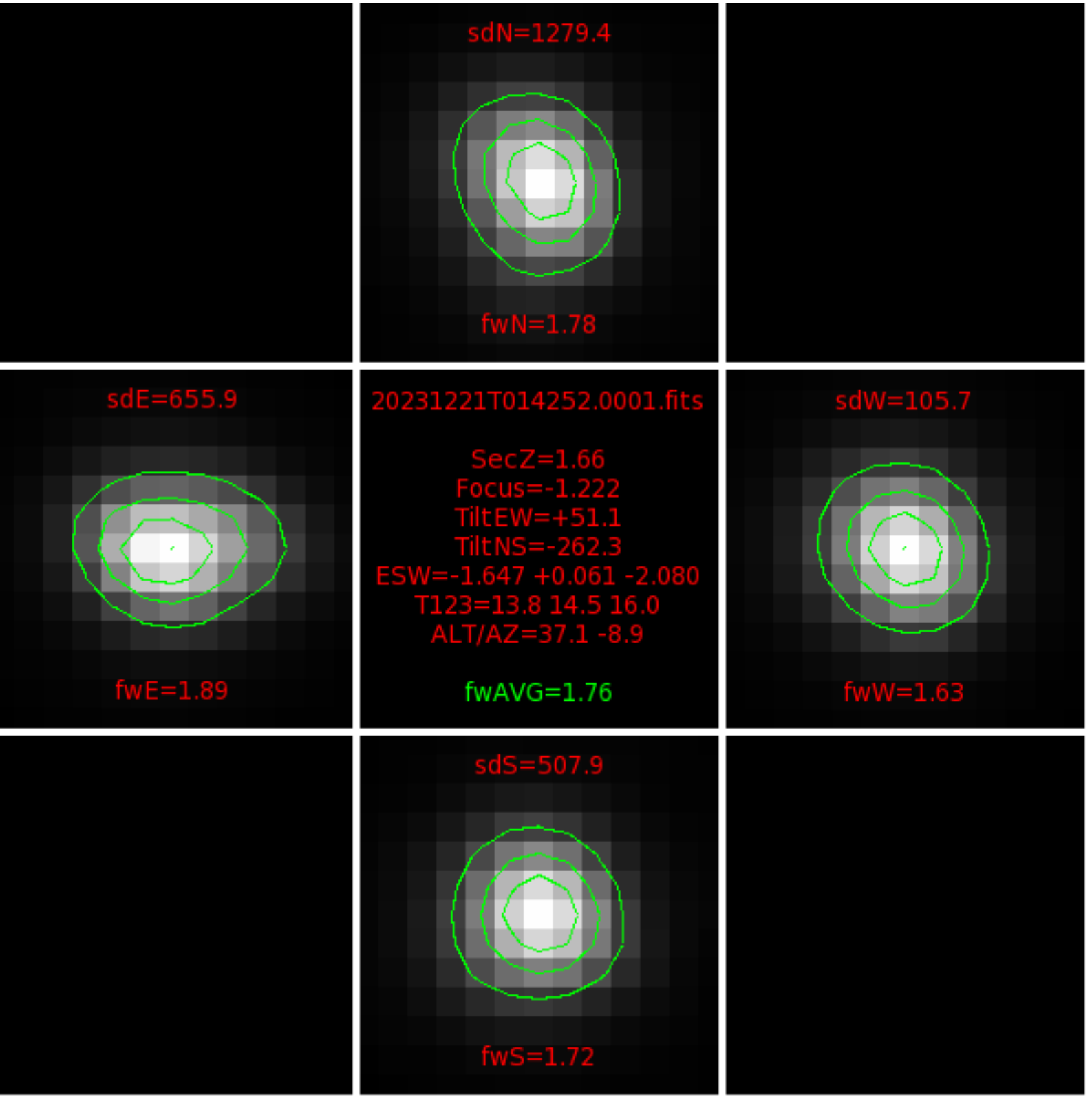
sdN=1279.4
fwN=1.78
sdE=655.9
fwE=1.89
20231221T014252.0001.fits
SecZ=1.66
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=13.8 14.5 16.0
ALT/AZ=37.1 -8.9
fwAVG=1.76
sdW=105.7
fwW=1.63
sdS=507.9
fwS=1.72
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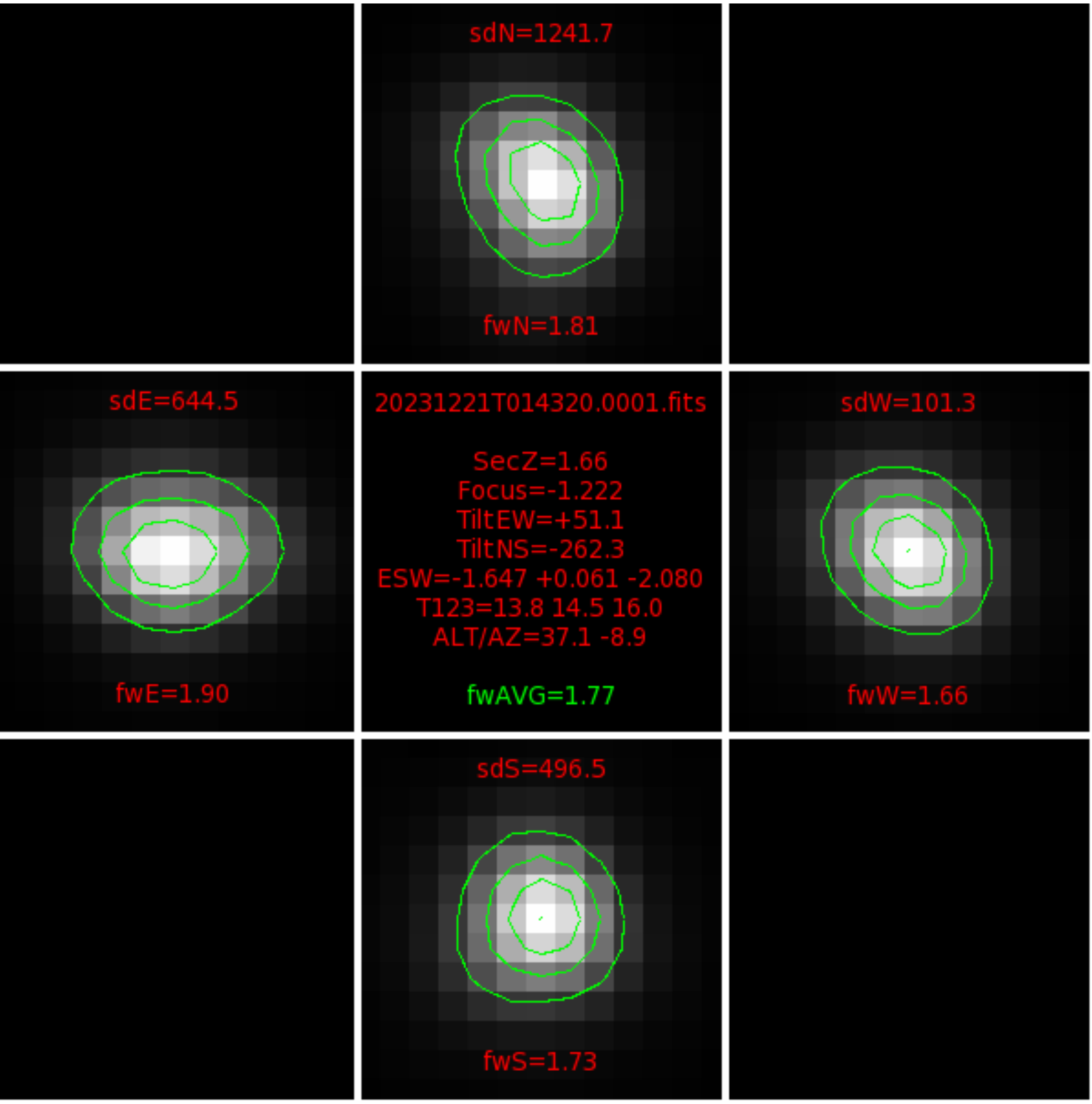
sdN=1241.7
fwN=1.81
sdE=644.5
fwE=1.90
20231221T014320.0001.fits
SecZ=1.66
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=13.8 14.5 16.0
ALT/AZ=37.1 -8.9
fwAVG=1.77
sdW=101.3
fwW=1.66
sdS=496.5
fwS=1.73
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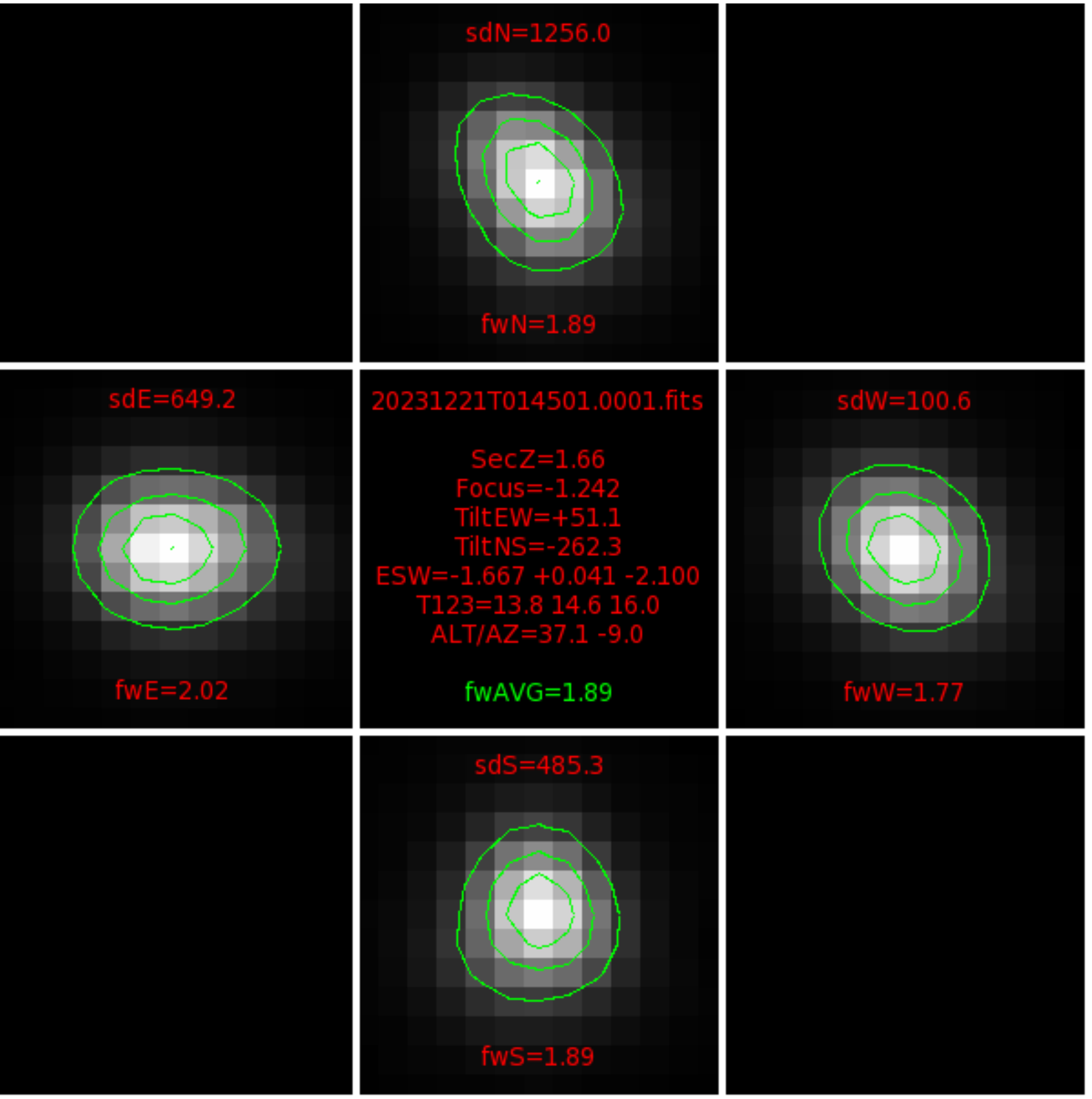
sdN=1256.0
fwN=1.89
sdE=649.2
fwE=2.02
20231221T014501.0001.fits
SecZ=1.66
Focus=-1.242
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.667 +0.041 -2.100
T123=13.8 14.6 16.0
ALT/AZ=37.1 -9.0
fwAVG=1.89
sdW=100.6
fwW=1.77
sdS=485.3
fwS=1.89
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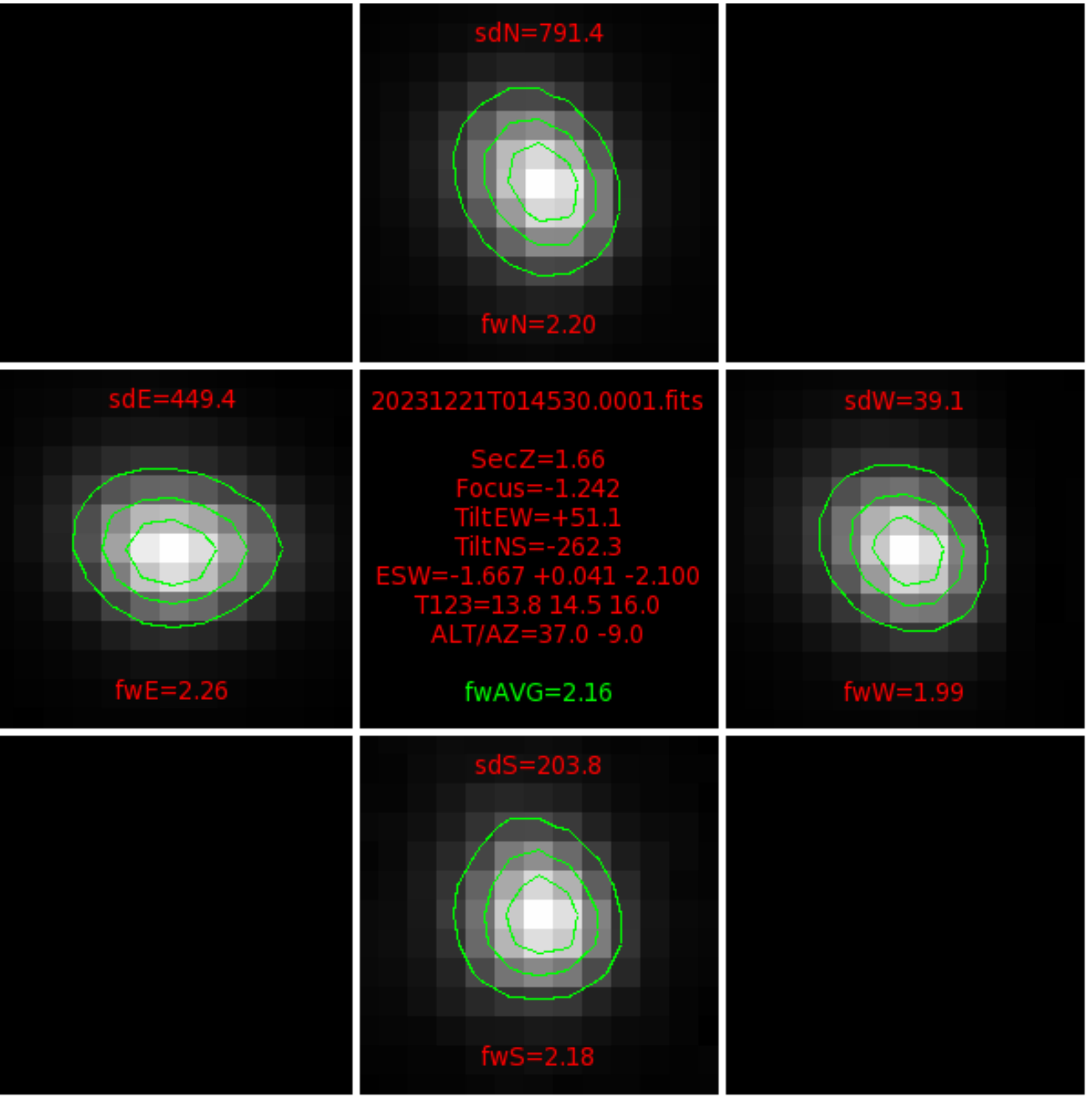
sdN=791.4
fwN=2.20
sdE=449.4
fwE=2.26
20231221T014530.0001.fits
SecZ=1.66
Focus=-1.242
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.667 +0.041 -2.100
T123=13.8 14.5 16.0
ALT/AZ=37.0 -9.0
fwAVG=2.16
sdW=39.1
fwW=1.99
sdS=203.8
fwS=2.18
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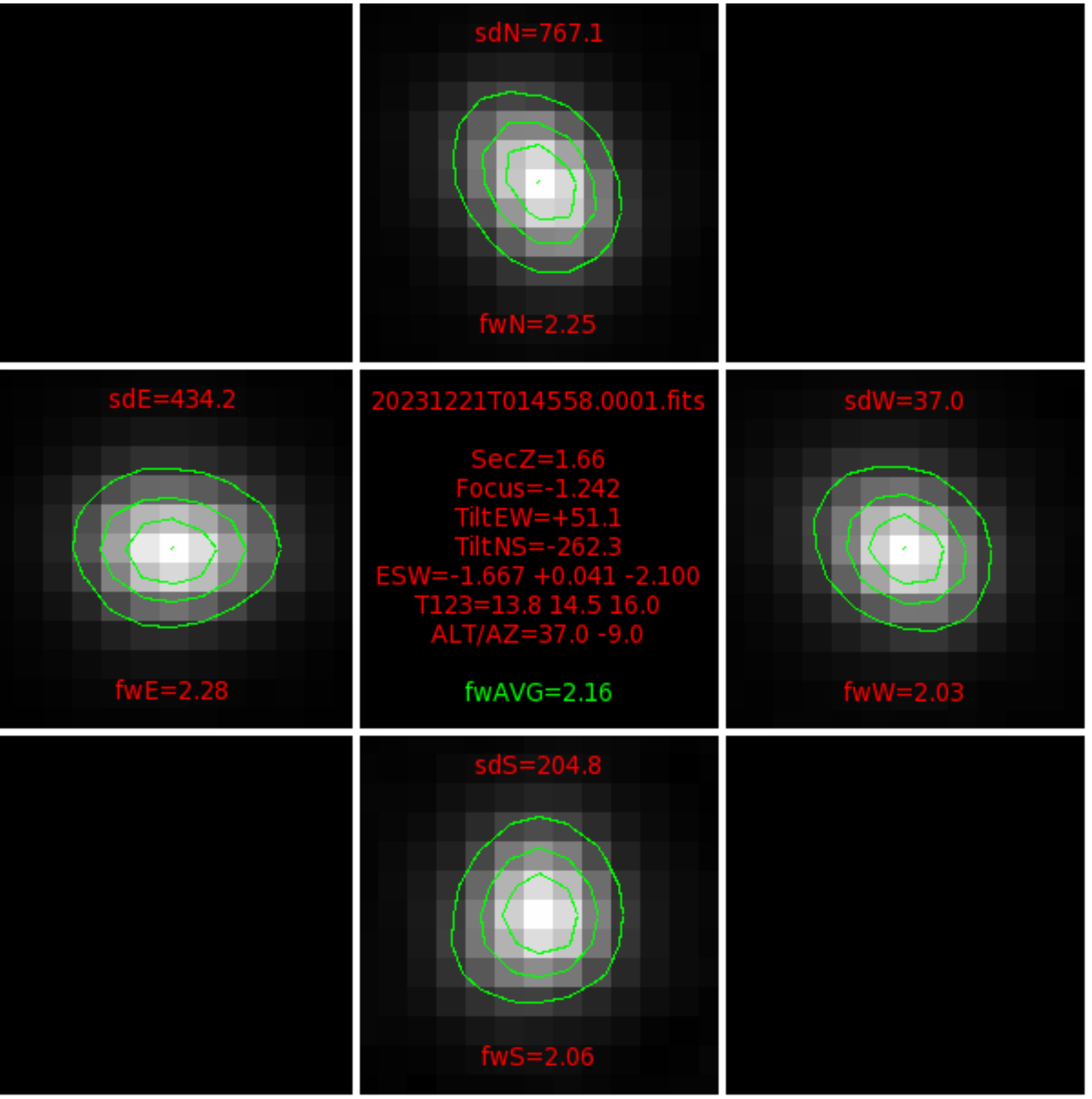
sdN=767.1
fwN=2.25
sdE=434.2
fwE=2.28
20231221T014558.0001.fits
SecZ=1.66
Focus=-1.242
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.667 +0.041 -2.100
T123=13.8 14.5 16.0
ALT/AZ=37.0 -9.0
fwAVG=2.16
sdW=37.0
fwW=2.03
sdS=204.8
fwS=2.06
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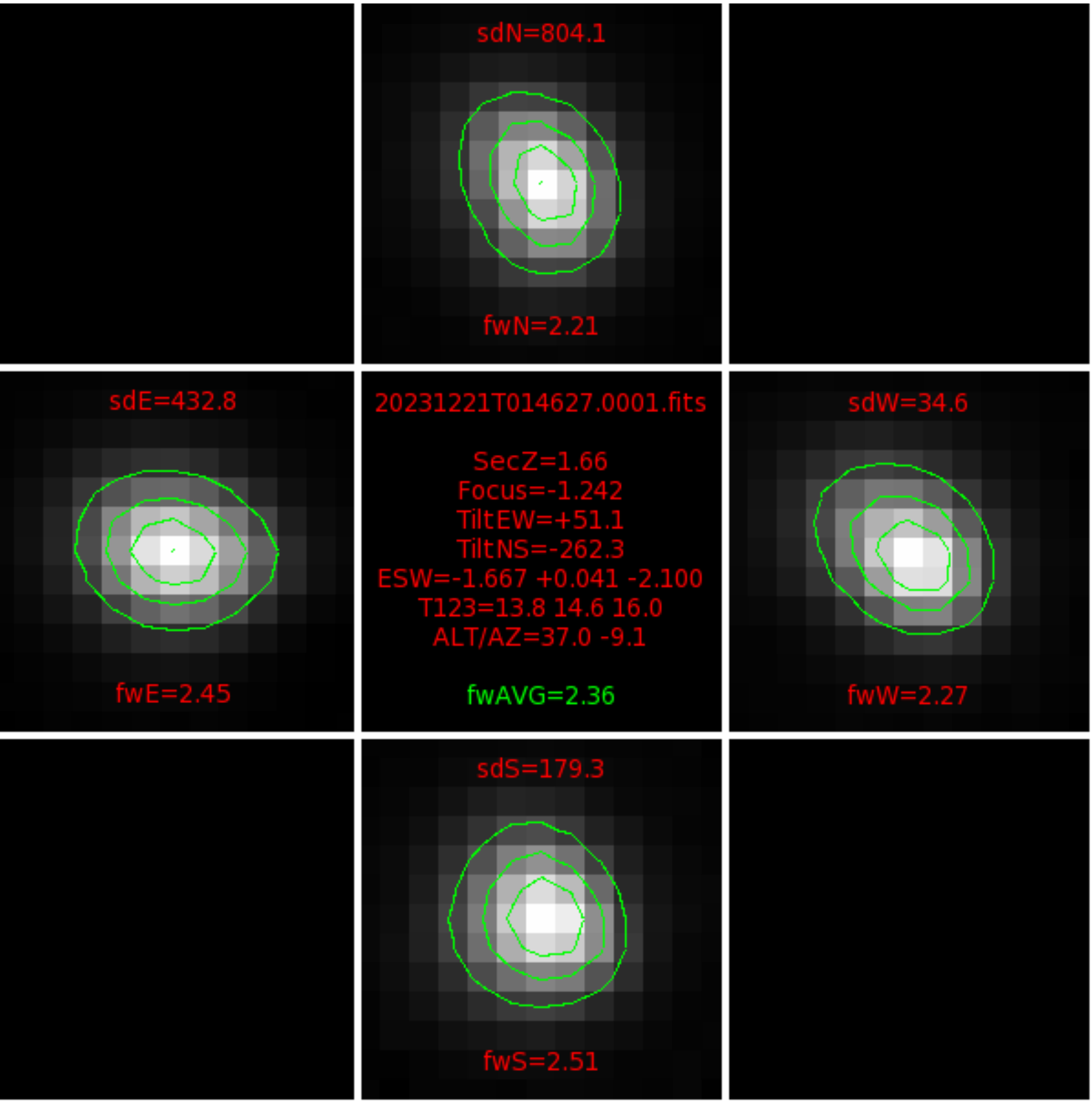
sdN=804.1
fwN=2.21
sdE=432.8
fwE=2.45
20231221T014627.0001.fits
SecZ=1.66
Focus=-1.242
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.667 +0.041 -2.100
T123=13.8 14.6 16.0
ALT/AZ=37.0 -9.1
fwAVG=2.36
sdW=34.6
fwW=2.27
sdS=179.3
fwS=2.51
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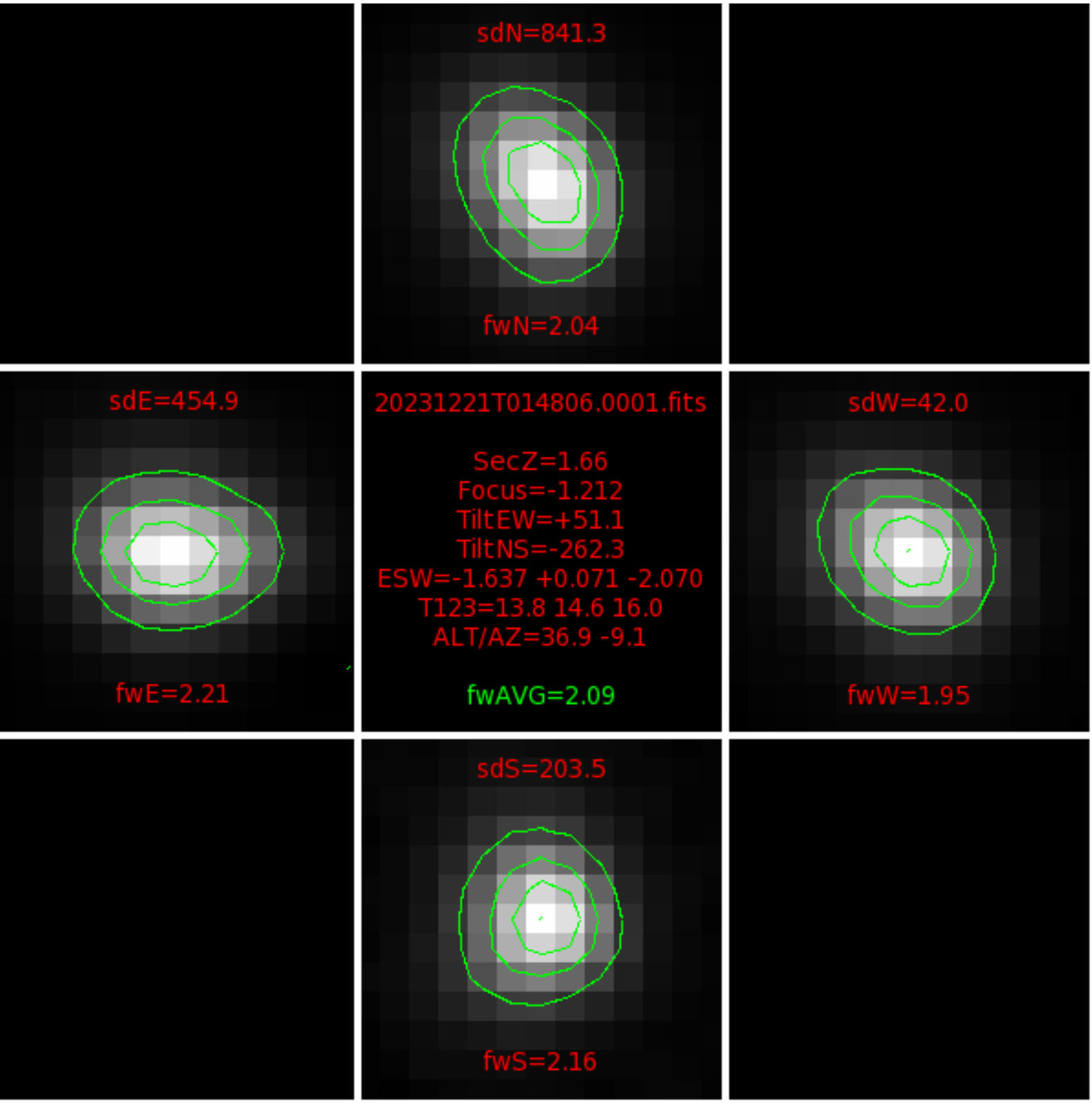
sdN=841.3
fwN=2.04
sdE=454.9
fwE=2.21
20231221T014806.0001.fits
SecZ=1.66
Focus=-1.212
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.637 +0.071 -2.070
T123=13.8 14.6 16.0
ALT/AZ=36.9 -9.1
fwAVG=2.09
sdW=42.0
fwW=1.95
sdS=203.5
fwS=2.16
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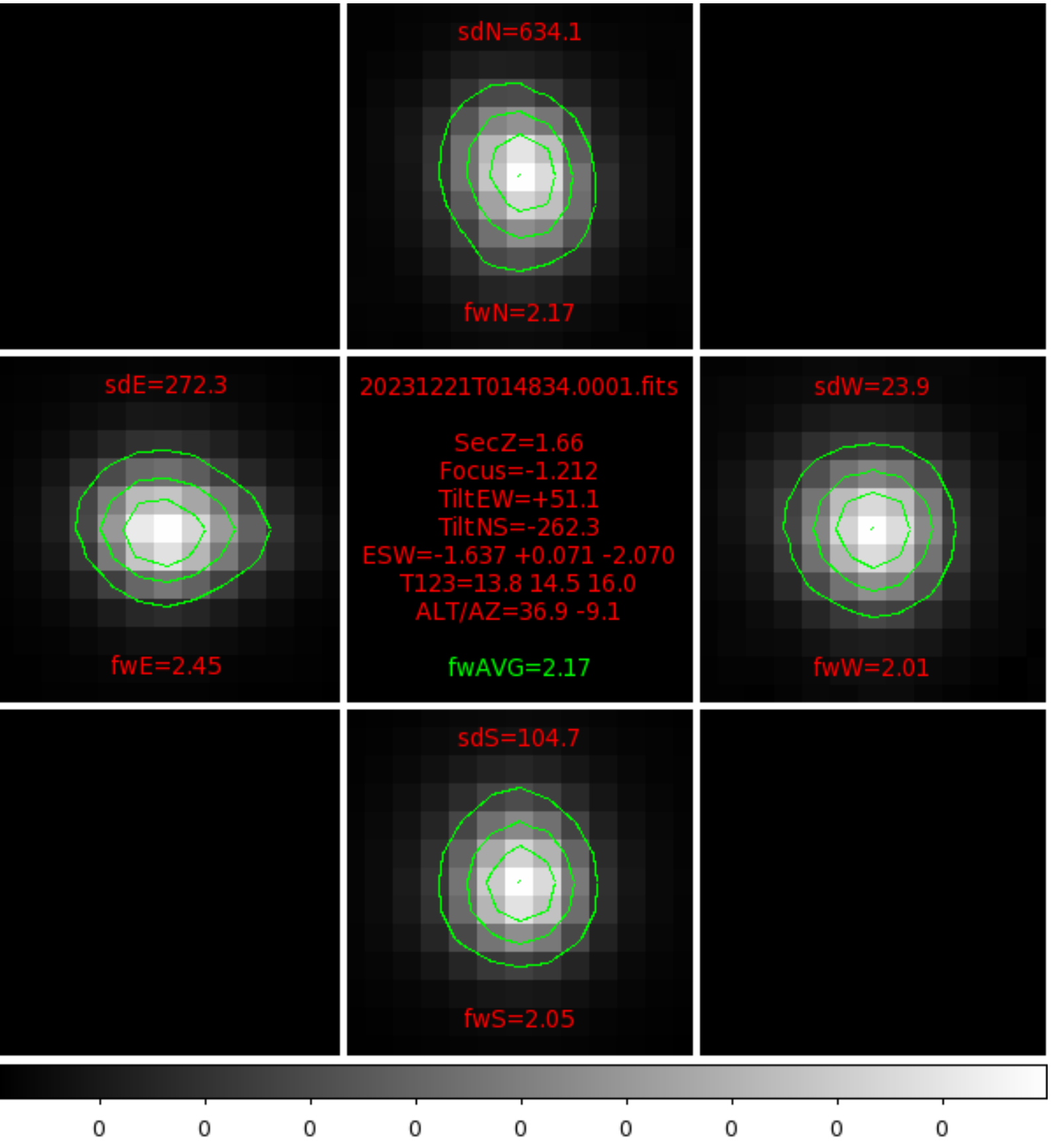
sdN=634.1
fwN=2.17
sdE=272.3
fwE=2.45
20231221T014834.0001.fits
SecZ=1.66
Focus=-1.212
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.637 +0.071 -2.070
T123=13.8 14.5 16.0
ALT/AZ=36.9 -9.1
fwAVG=2.17
sdW=23.9
fwW=2.01
sdS=104.7
fwS=2.05
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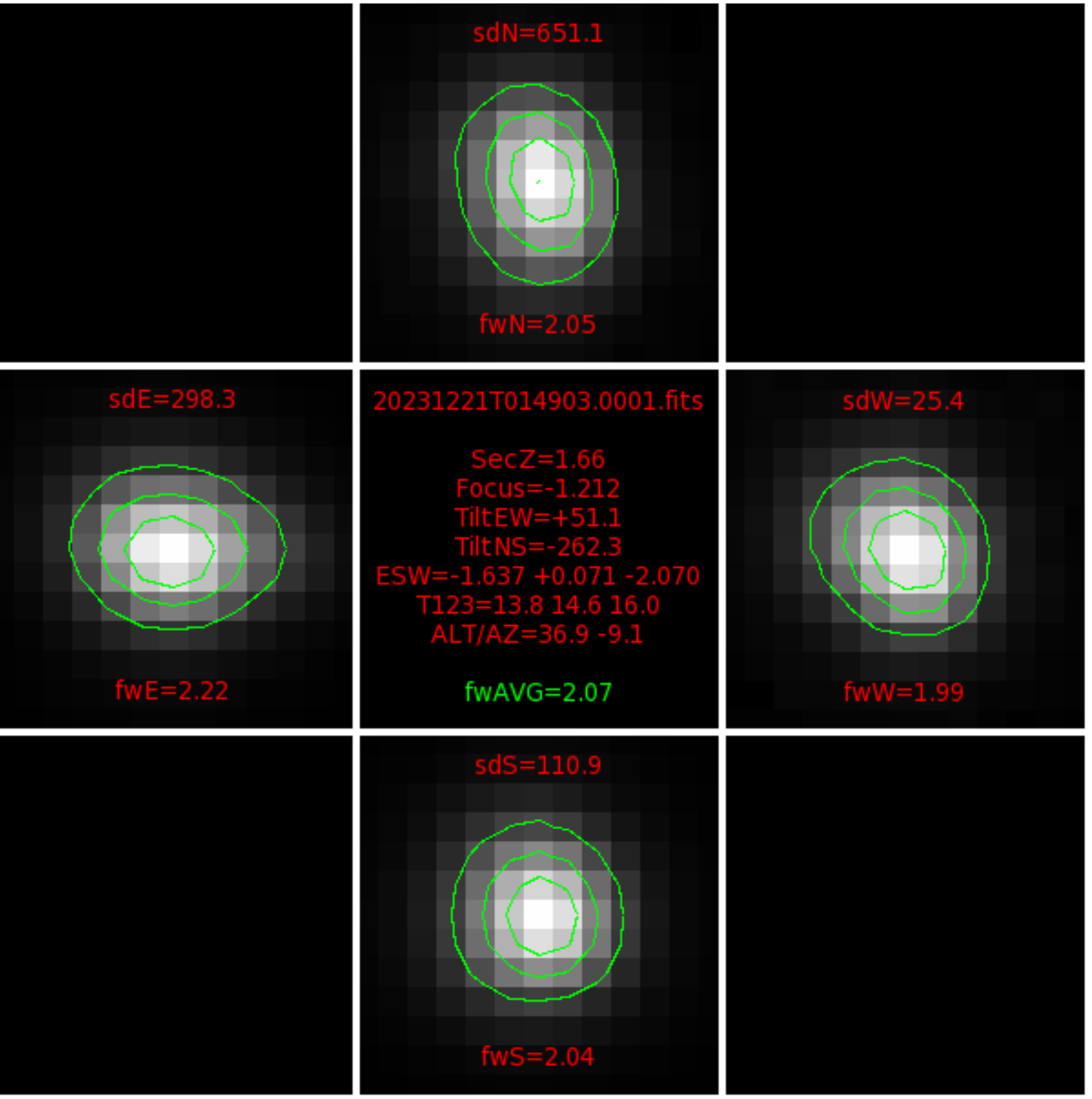
sdN=651.1
fwN=2.05
sdE=298.3
fwE=2.22
20231221T014903.0001.fits
SecZ=1.66
Focus=-1.212
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.637 +0.071 -2.070
T123=13.8 14.6 16.0
ALT/AZ=36.9 -9.1
fwAVG=2.07
sdW=25.4
fwW=1.99
sdS=110.9
fwS=2.04
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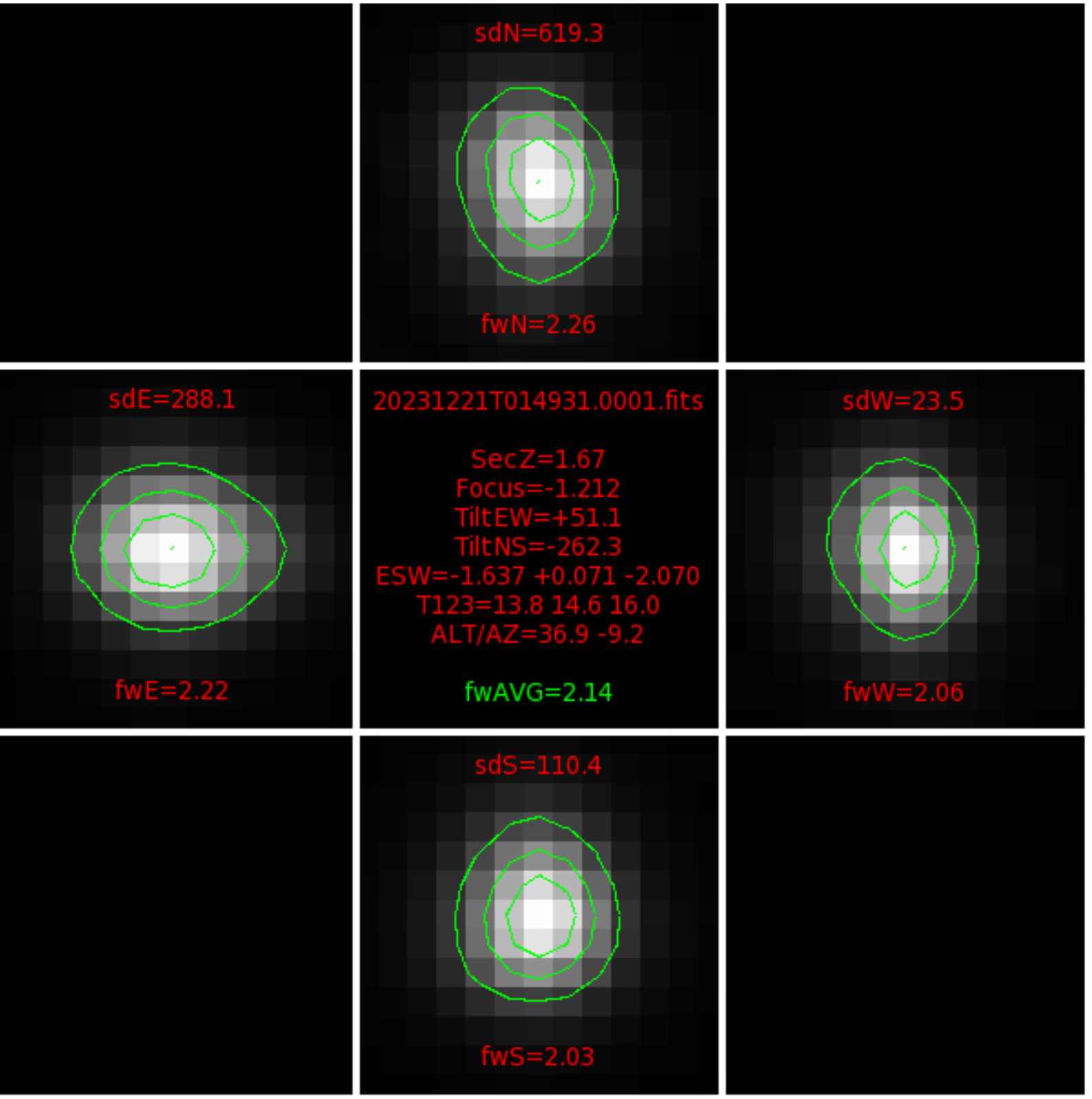
sdN=619.3
fwN=2.26
sdE=288.1
fwE=2.22
20231221T014931.0001.fits
SecZ=1.67
Focus=-1.212
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.637 +0.071 -2.070
T123=13.8 14.6 16.0
ALT/AZ=36.9 -9.2
fwAVG=2.14
sdW=23.5
fwW=2.06
sdS=110.4
fwS=2.03
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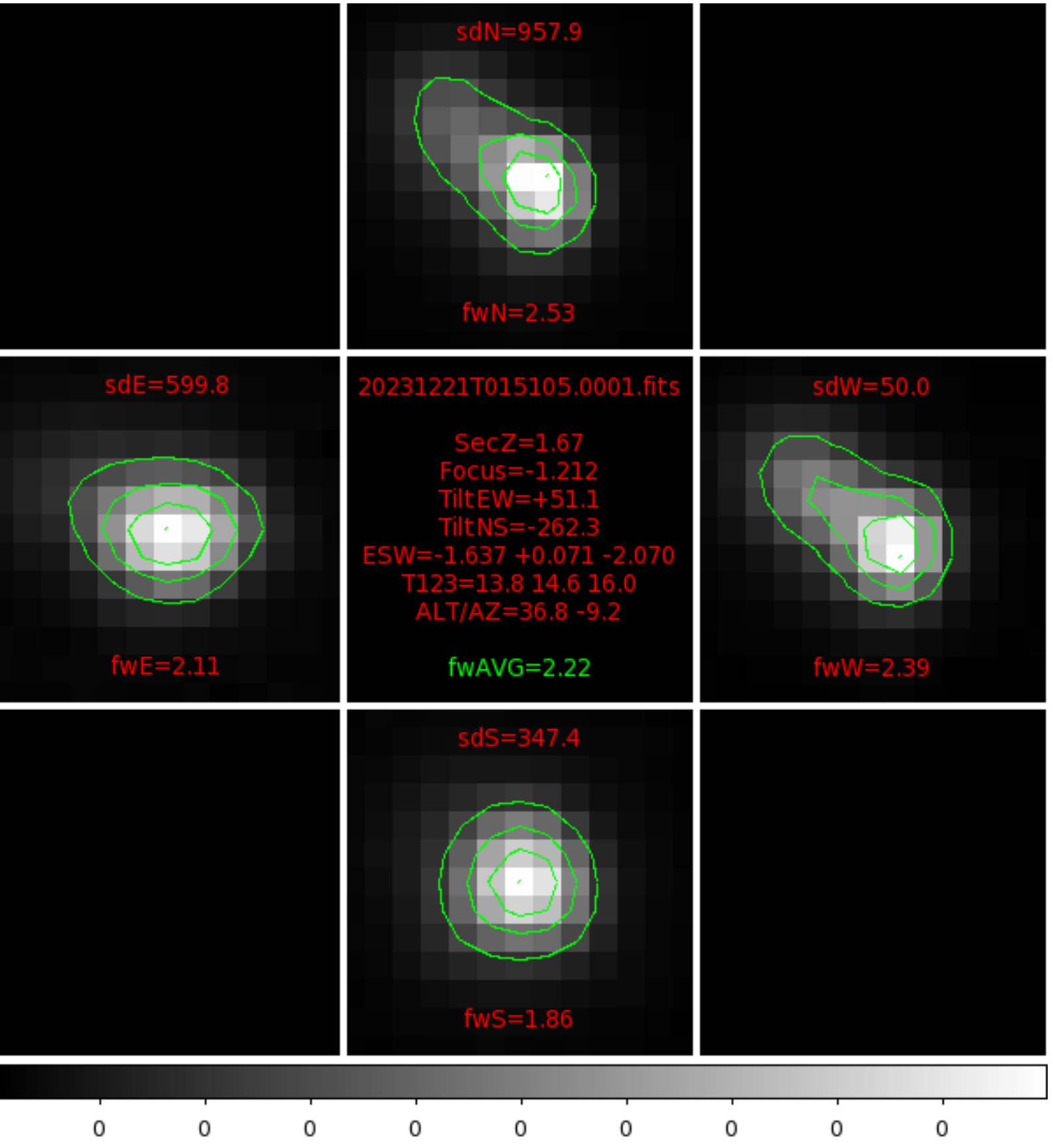
sdN=957.9
fwN=2.53
sdE=599.8
fwE=2.11
20231221T015105.0001.fits
SecZ=1.67
Focus=-1.212
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.637 +0.071 -2.070
T123=13.8 14.6 16.0
ALT/AZ=36.8 -9.2
fwAVG=2.22
sdW=50.0
fwW=2.39
sdS=347.4
fwS=1.86
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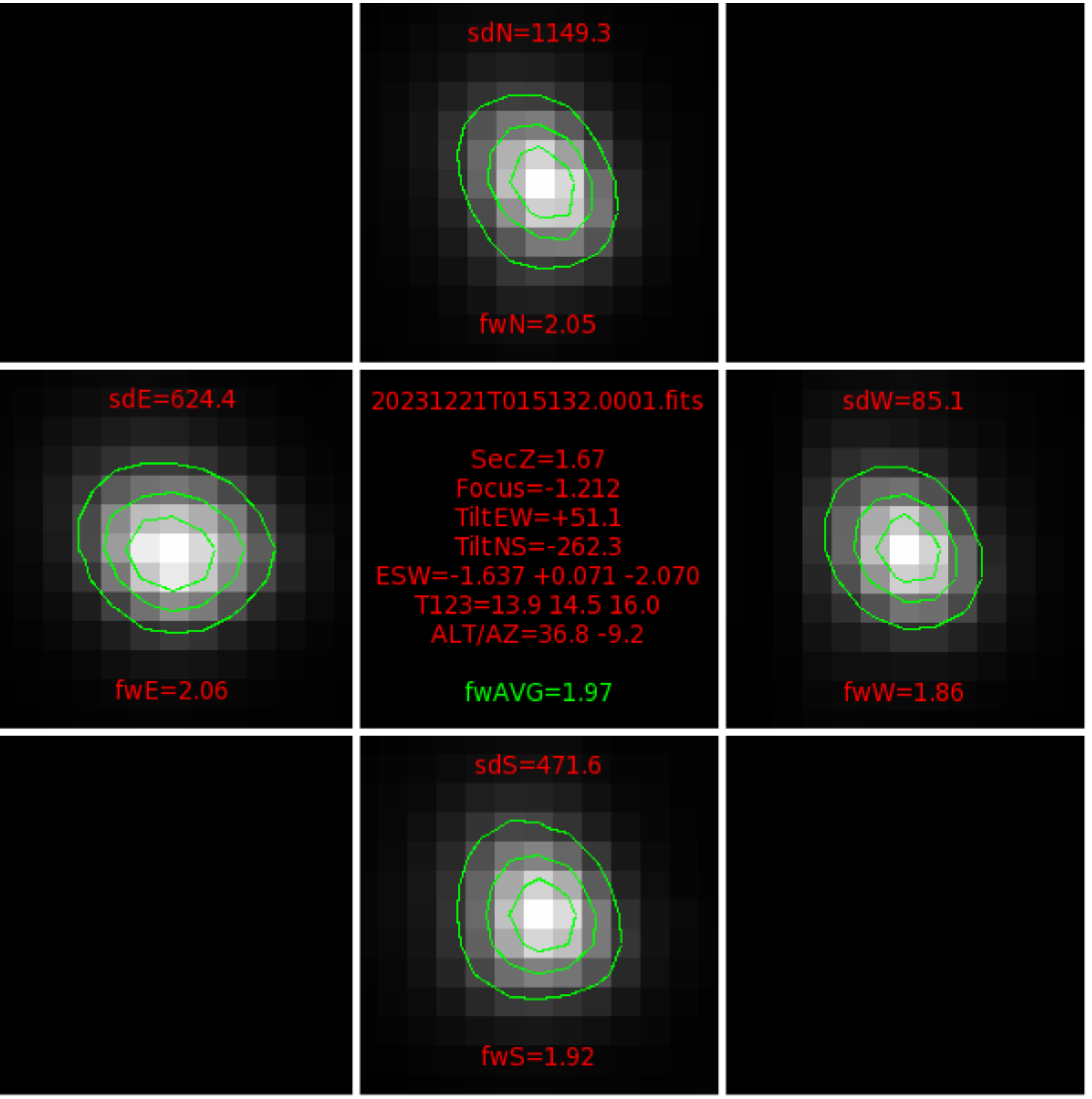
sdN=1149.3
fwN=2.05
sdE=624.4
fwE=2.06
20231221T015132.0001.fits
SecZ=1.67
Focus=-1.212
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.637 +0.071 -2.070
T123=13.9 14.5 16.0
ALT/AZ=36.8 -9.2
fwAVG=1.97
sdW=85.1
fwW=1.86
sdS=471.6
fwS=1.92
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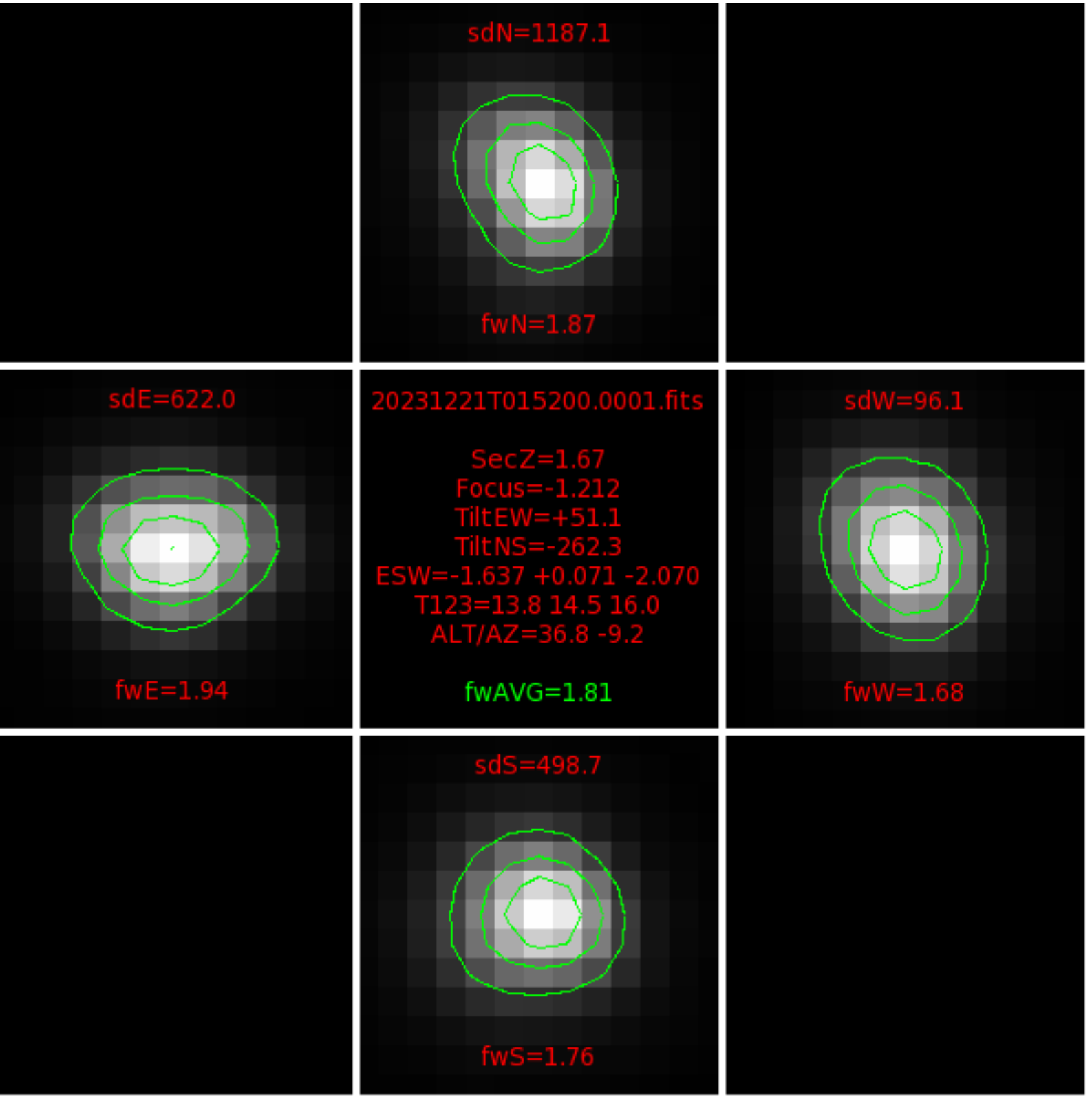
sdN=1187.1
fwN=1.87
sdE=622.0
fwE=1.94
20231221T015200.0001.fits
SecZ=1.67
Focus=-1.212
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.637 +0.071 -2.070
T123=13.8 14.5 16.0
ALT/AZ=36.8 -9.2
fwAVG=1.81
sdW=96.1
fwW=1.68
sdS=498.7
fwS=1.76
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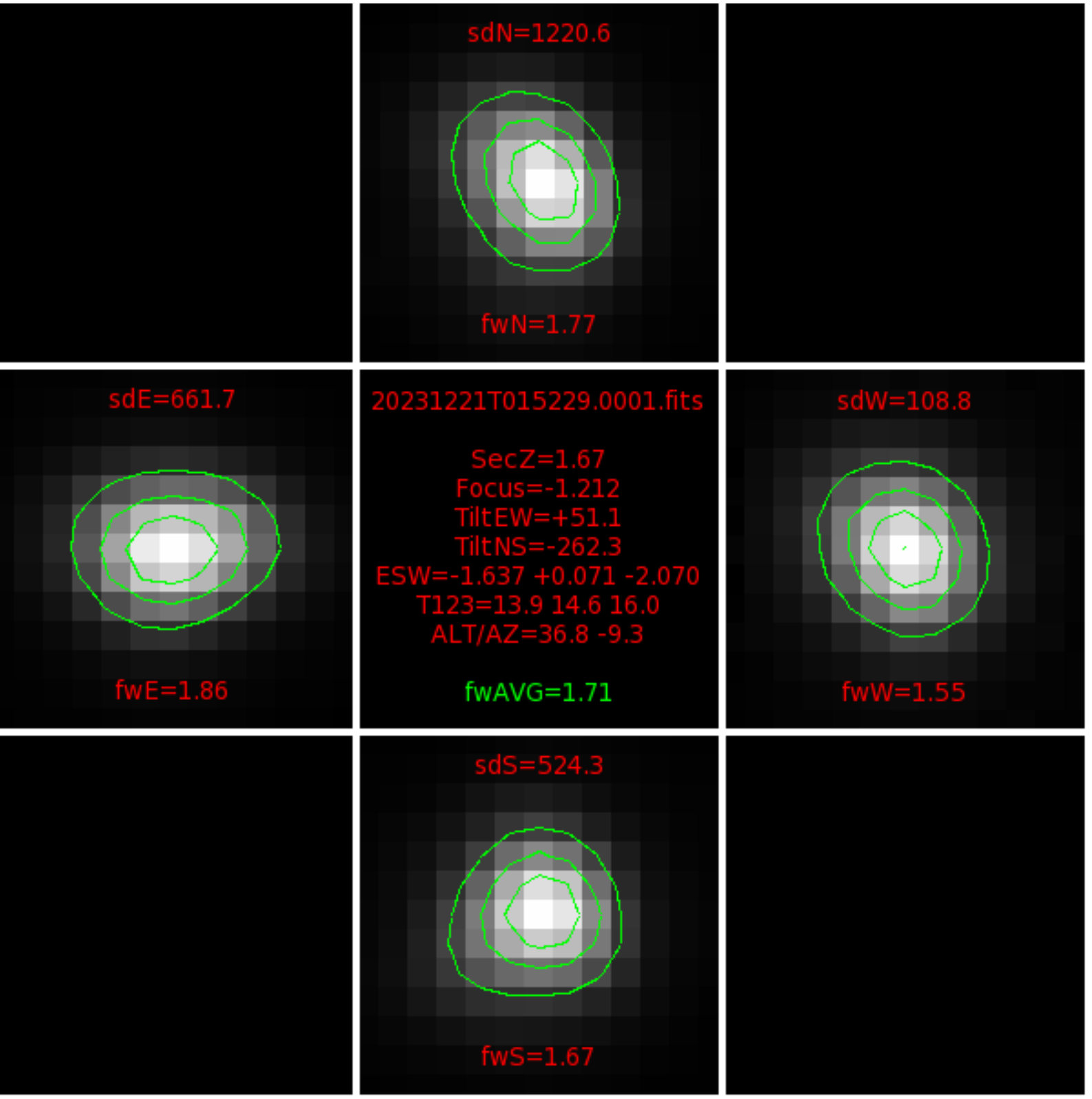
sdN=1220.6
fwN=1.77
sdE=661.7
fwE=1.86
20231221T015229.0001.fits
SecZ=1.67
Focus=-1.212
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.637 +0.071 -2.070
T123=13.9 14.6 16.0
ALT/AZ=36.8 -9.3
fwAVG=1.71
sdW=108.8
fwW=1.55
sdS=524.3
fwS=1.67
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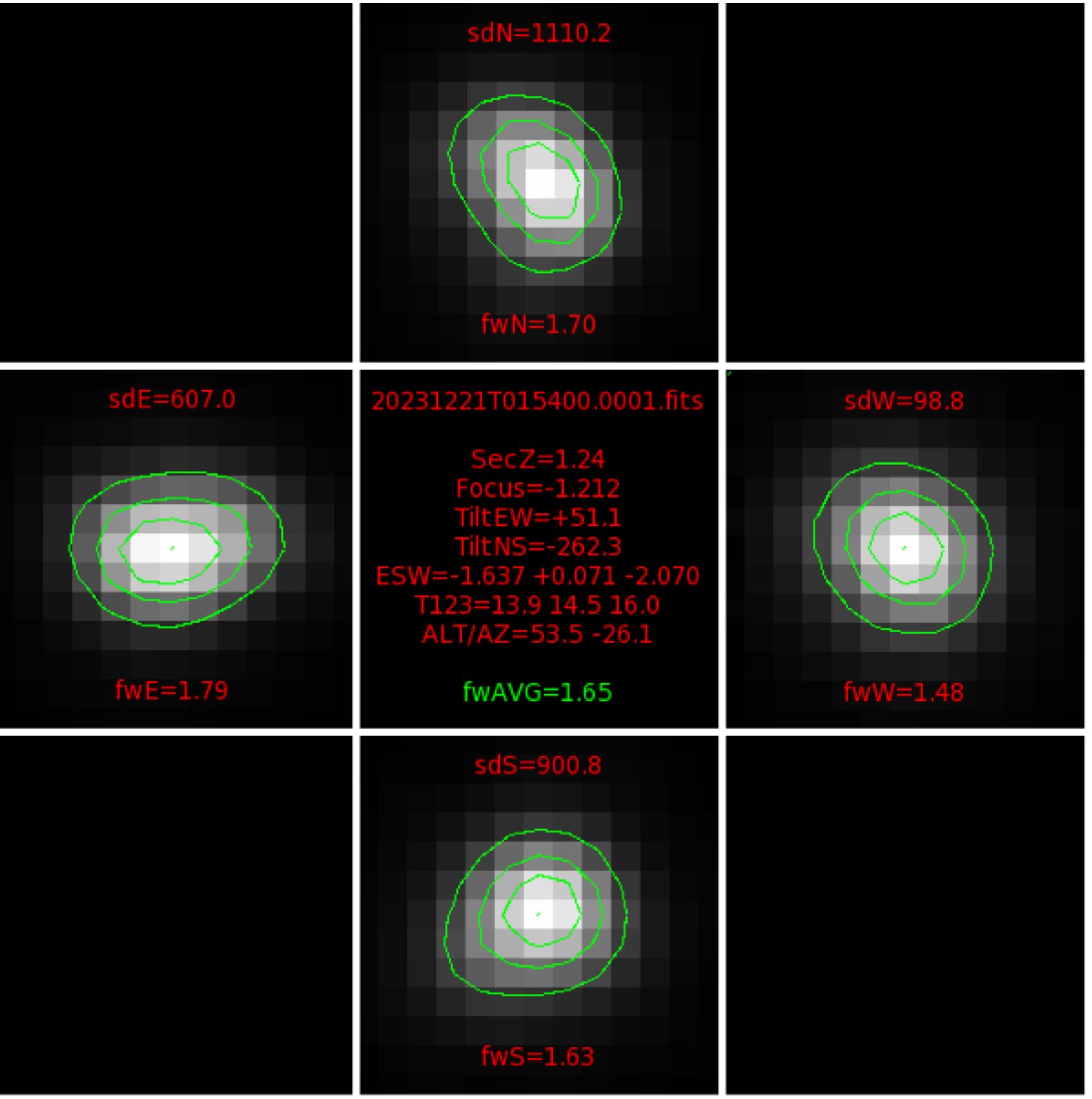
sdN=1110.2
fwN=1.70
sdE=607.0
fwE=1.79
20231221T015400.0001.fits
SecZ=1.24
Focus=-1.212
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.637 +0.071 -2.070
T123=13.9 14.5 16.0
ALT/AZ=53.5 -26.1
fwAVG=1.65
sdW=98.8
fwW=1.48
sdS=900.8
fwS=1.63
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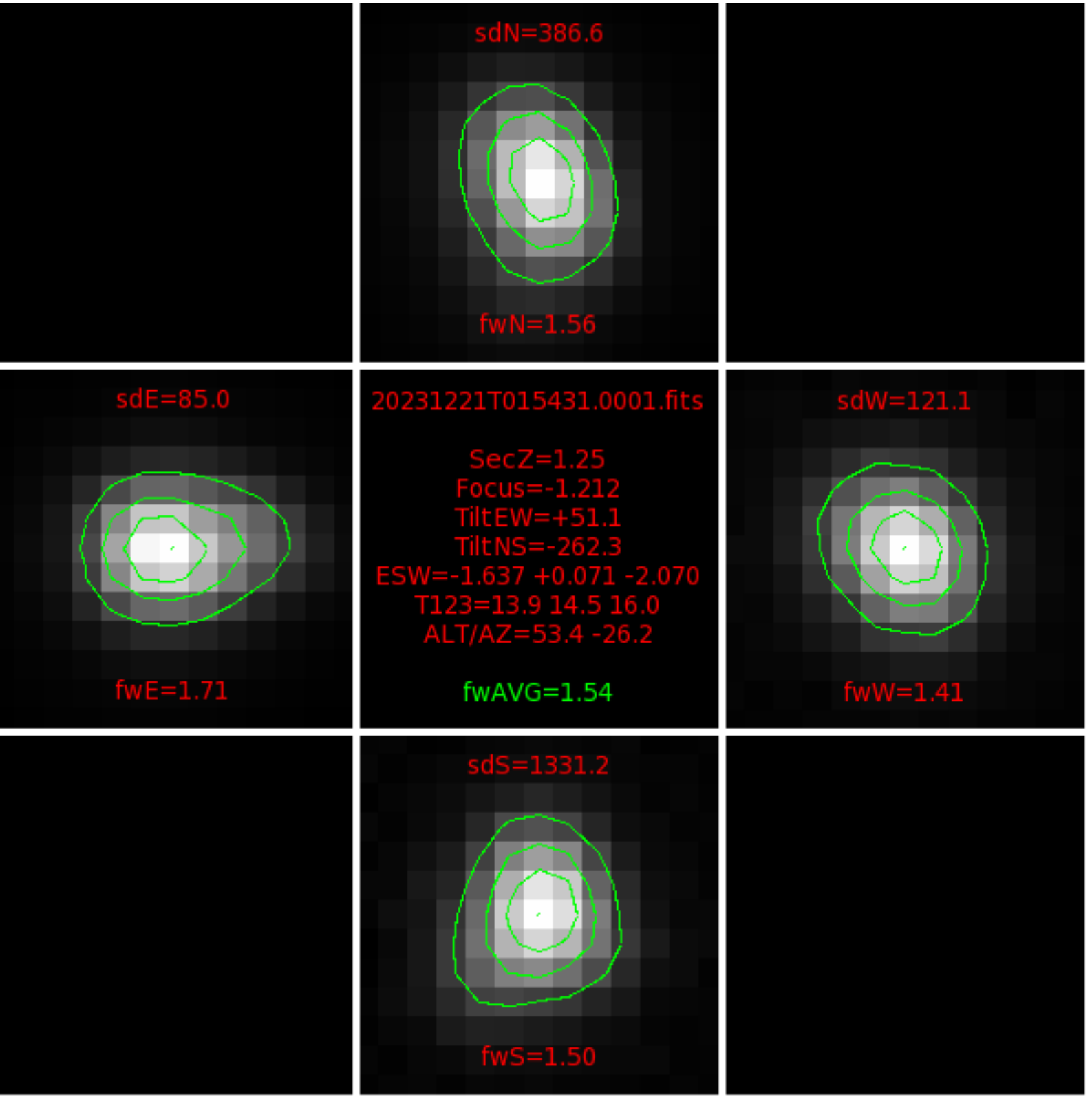
sdN=386.6
fwN=1.56
sdE=85.0
fwE=1.71
20231221T015431.0001.fits
SecZ=1.25
Focus=-1.212
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.637 +0.071 -2.070
T123=13.9 14.5 16.0
ALT/AZ=53.4 -26.2
fwAVG=1.54
sdW=121.1
fwW=1.41
sdS=1331.2
fwS=1.50
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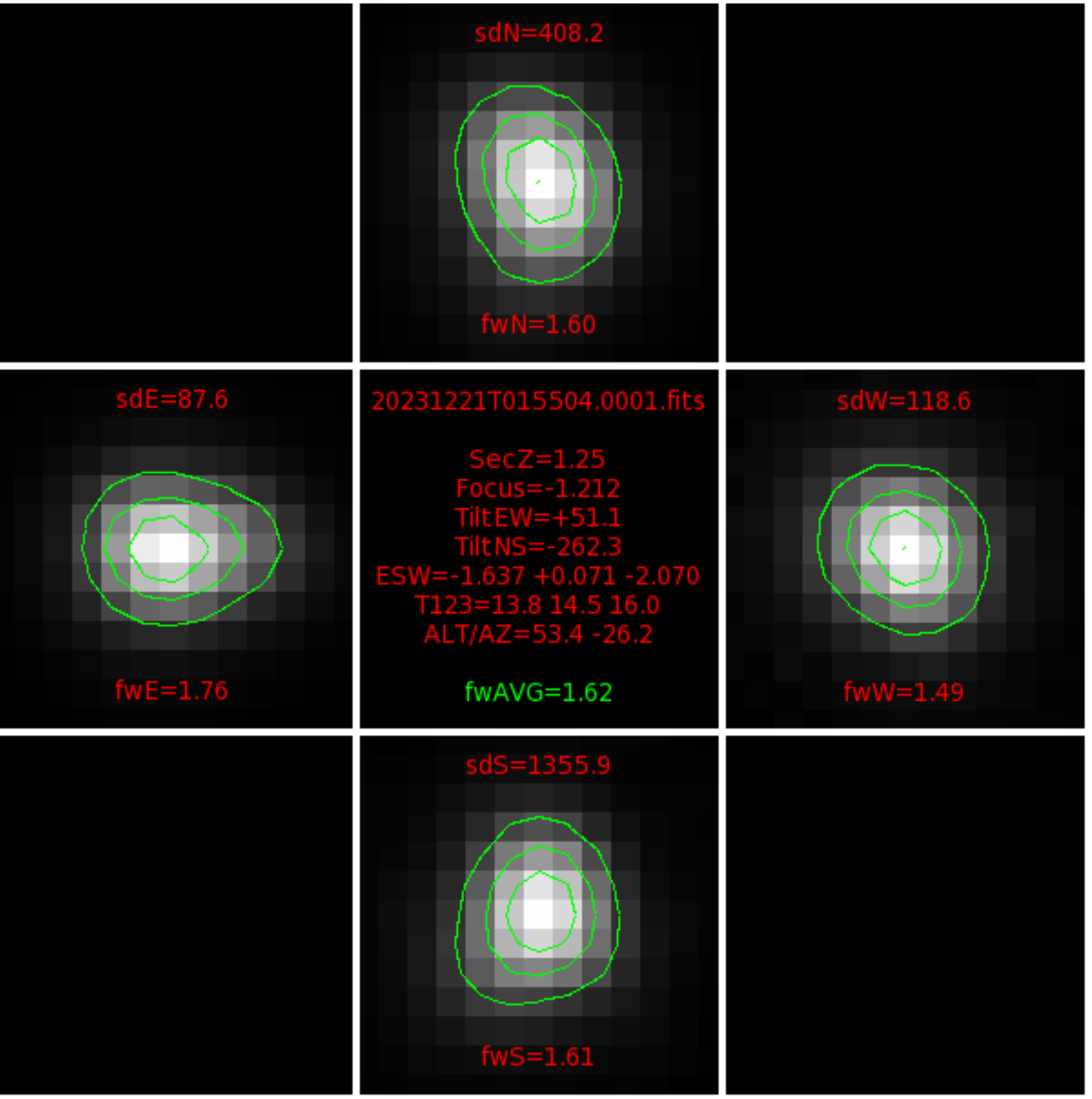
sdN=408.2
fwN=1.60
sdE=87.6
fwE=1.76
20231221T015504.0001.fits
SecZ=1.25
Focus=-1.212
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.637 +0.071 -2.070
T123=13.8 14.5 16.0
ALT/AZ=53.4 -26.2
fwAVG=1.62
sdW=118.6
fwW=1.49
sdS=1355.9
fwS=1.61
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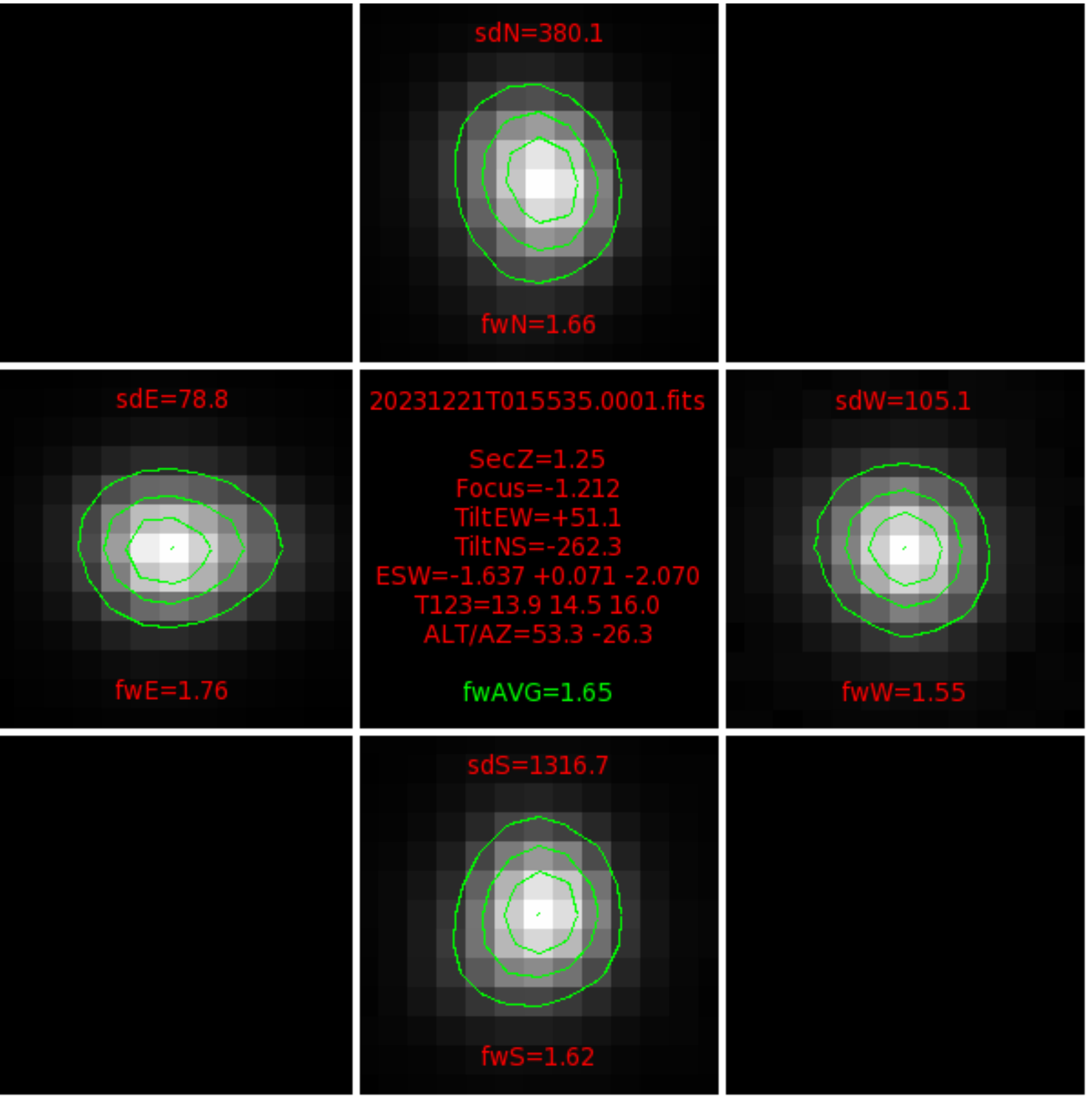
sdN=380.1
fwN=1.66
sdE=78.8
fwE=1.76
20231221T015535.0001.fits
SecZ=1.25
Focus=-1.212
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.637 +0.071 -2.070
T123=13.9 14.5 16.0
ALT/AZ=53.3 -26.3
fwAVG=1.65
sdW=105.1
fwW=1.55
sdS=1316.7
fwS=1.62
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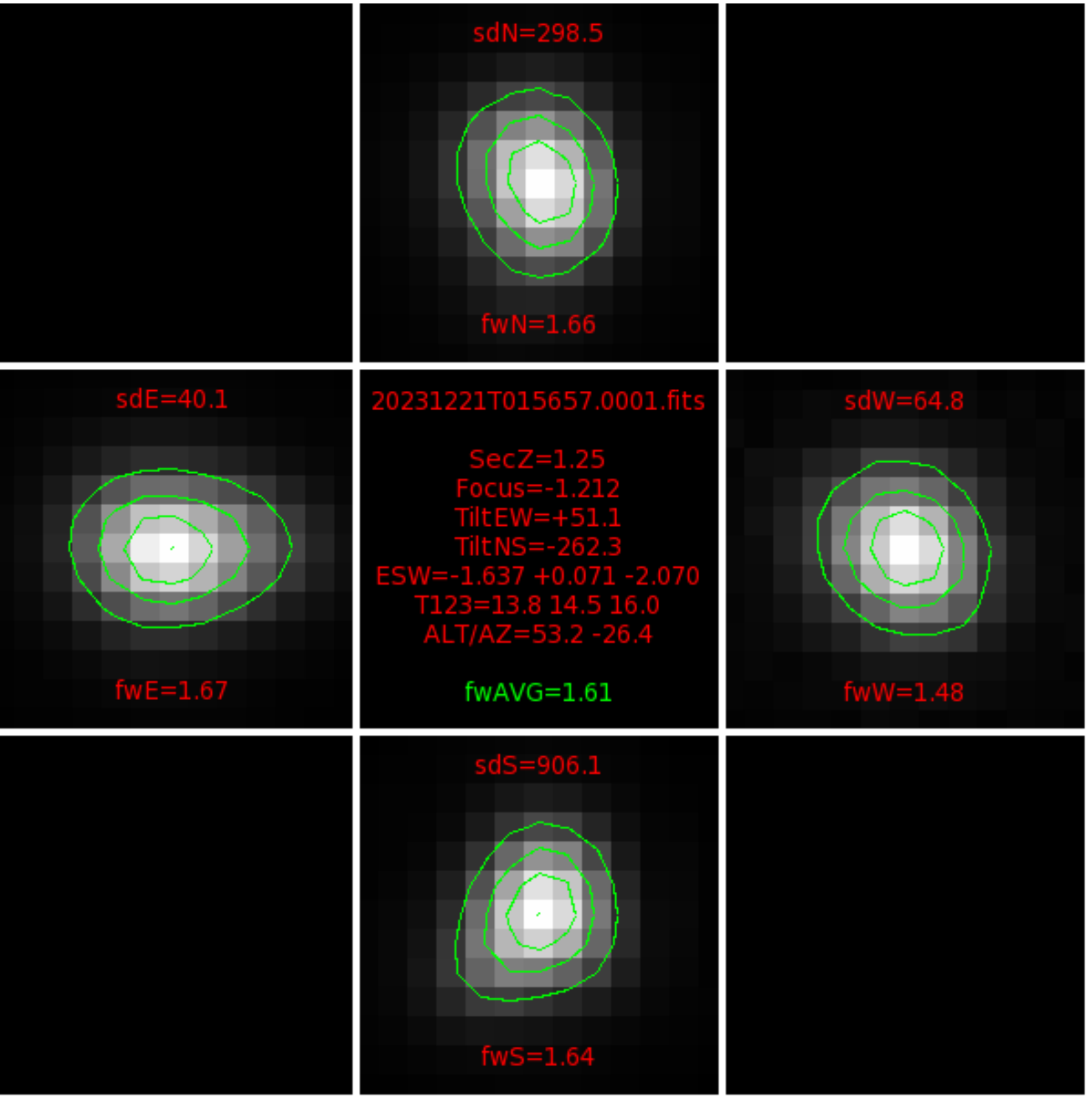
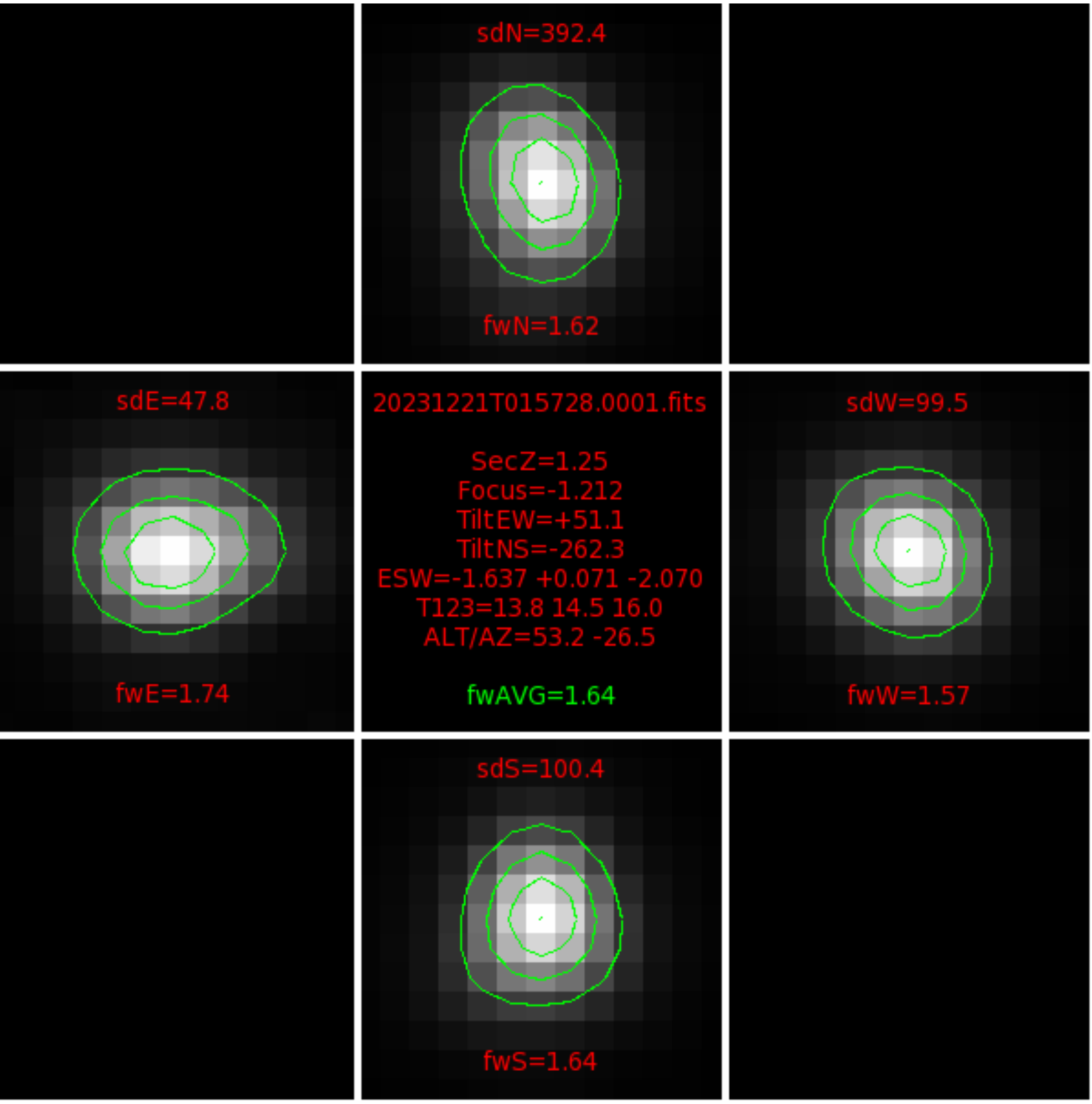

sdN=298.5
fwN=1.66
sdE=40.1
fwE=1.67
20231221T015657.0001.fits
SecZ=1.25
Focus=-1.212
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.637 +0.071 -2.070
T123=13.8 14.5 16.0
ALT/AZ=53.2 -26.4
fwAVG=1.61
sdW=64.8
fwW=1.48
sdS=906.1
fwS=1.64
0 0 0 0 0 0 0 0 0


sdN=392.4
fwN=1.62
sdE=47.8
fwE=1.74
20231221T015728.0001.fits
SecZ=1.25
Focus=-1.212
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.637 +0.071 -2.070
T123=13.8 14.5 16.0
ALT/AZ=53.2 -26.5
fwAVG=1.64
sdW=99.5
fwW=1.57
sdS=100.4
fwS=1.64
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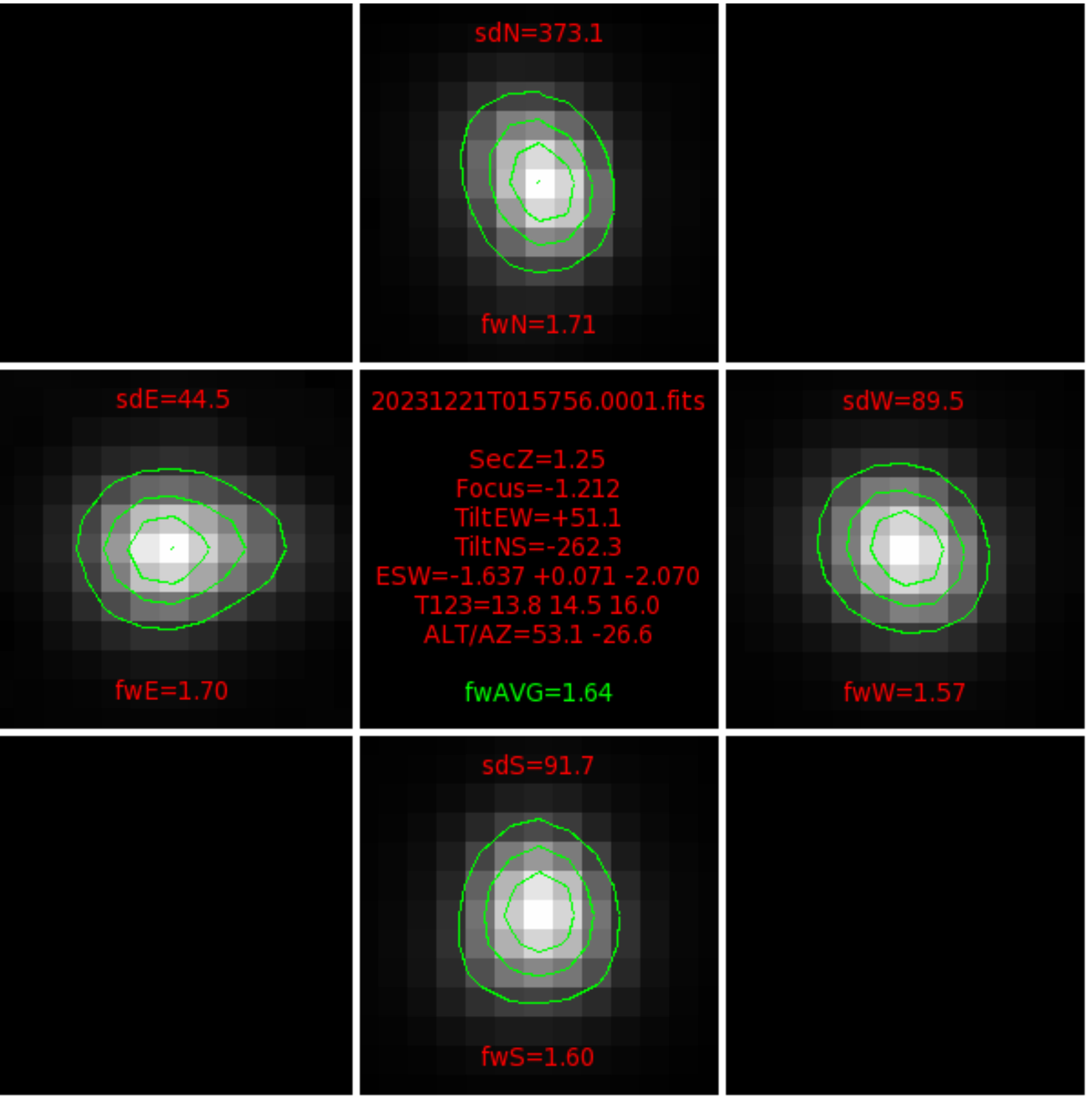
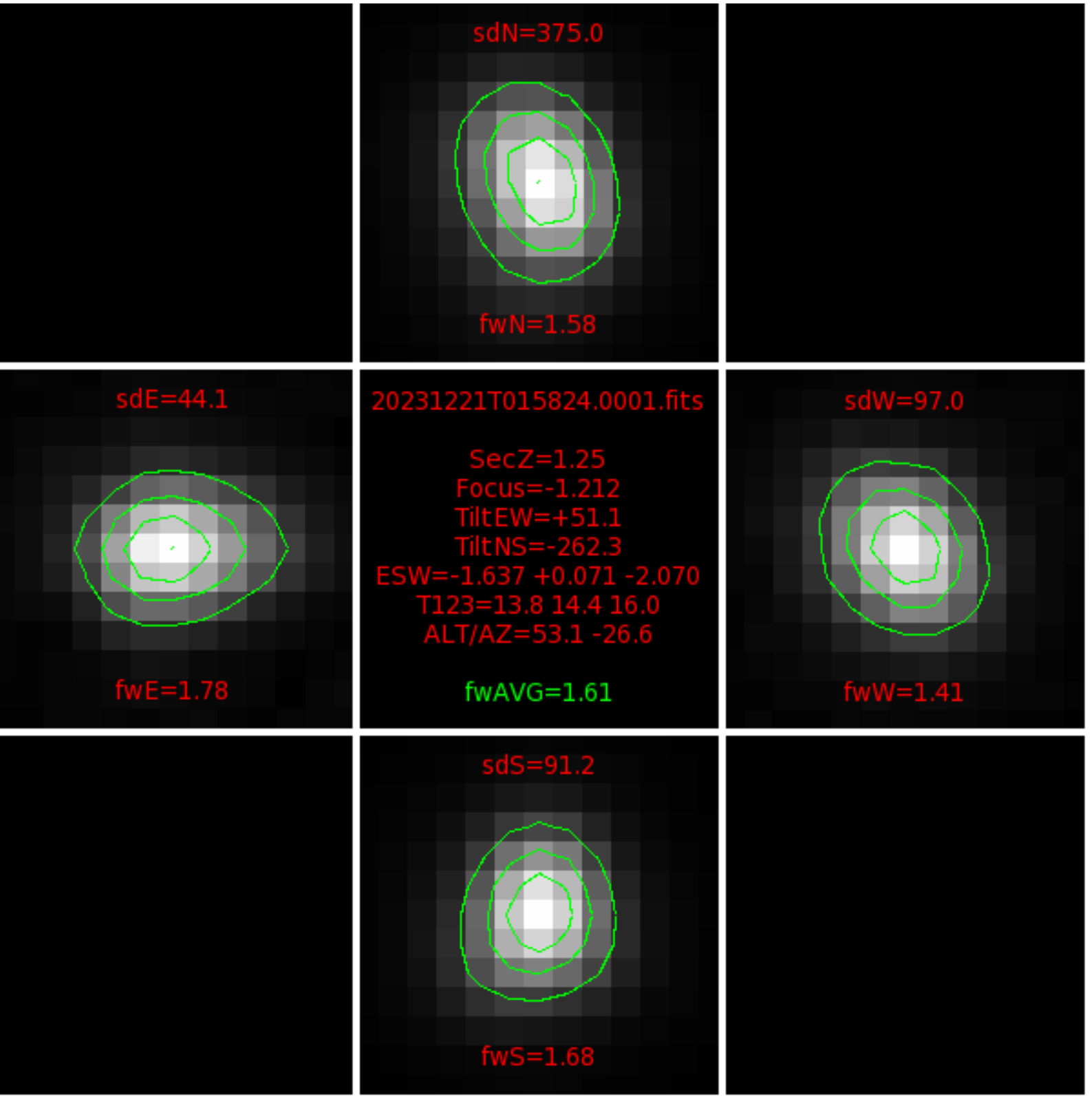
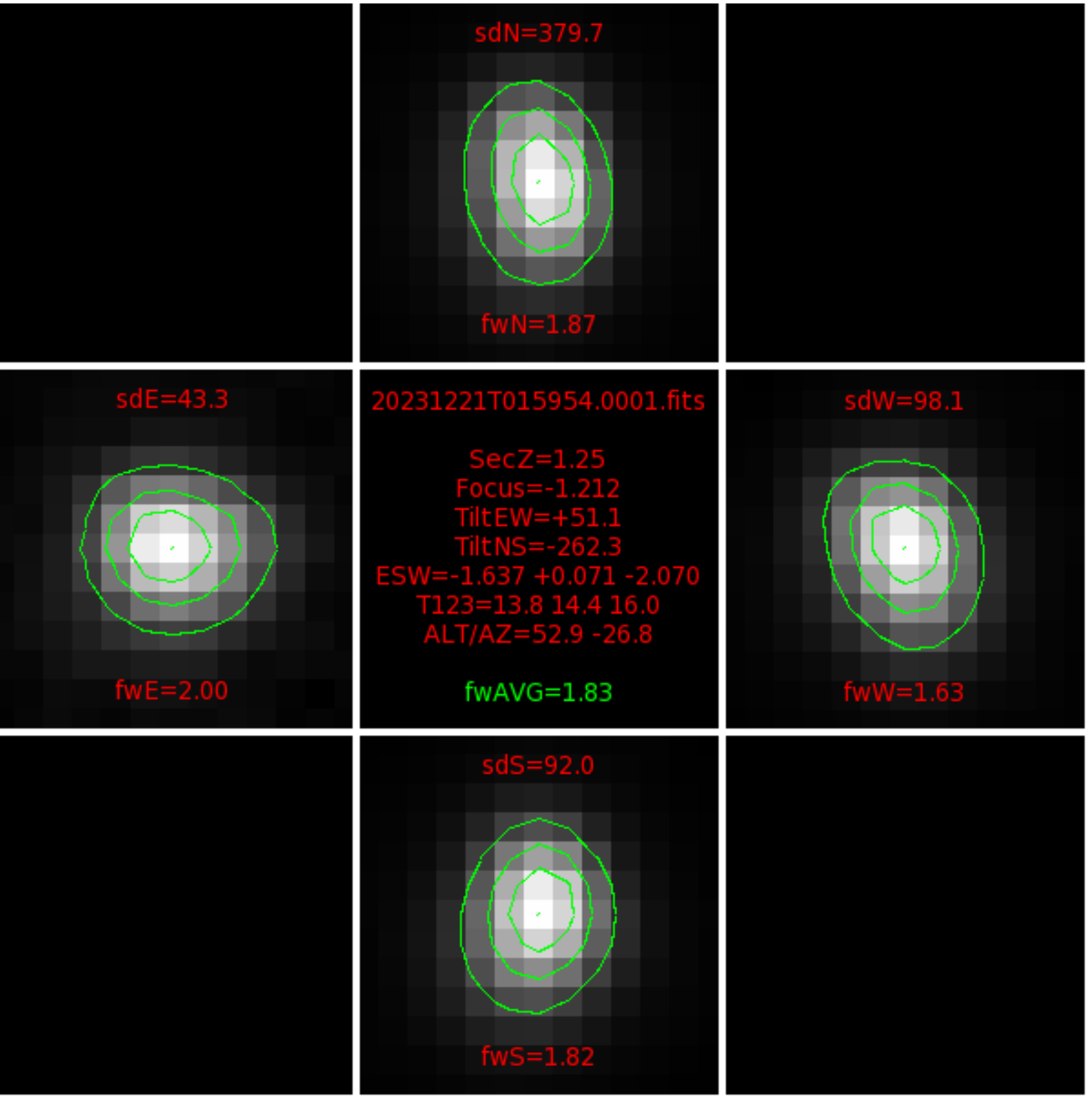

sdN=373.1
fwN=1.71
sdE=44.5
fwE=1.70
20231221T015756.0001.fits
SecZ=1.25
Focus=-1.212
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.637 +0.071 -2.070
T123=13.8 14.5 16.0
ALT/AZ=53.1 -26.6
fwAVG=1.64
sdW=89.5
fwW=1.57
sdS=91.7
fwS=1.60
0 0 0 0 0 0 0 0 0


sdN=375.0
fwN=1.58
sdE=44.1
fwE=1.78
20231221T015824.0001.fits
SecZ=1.25
Focus=-1.212
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.637 +0.071 -2.070
T123=13.8 14.4 16.0
ALT/AZ=53.1 -26.6
fwAVG=1.61
sdW=97.0
fwW=1.41
sdS=91.2
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=379.7
fwN=1.87
sdE=43.3
fwE=2.00
20231221T015954.0001.fits
SecZ=1.25
Focus=-1.212
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.637 +0.071 -2.070
T123=13.8 14.4 16.0
ALT/AZ=52.9 -26.8
fwAVG=1.83
sdW=98.1
fwW=1.63
sdS=92.0
fwS=1.82
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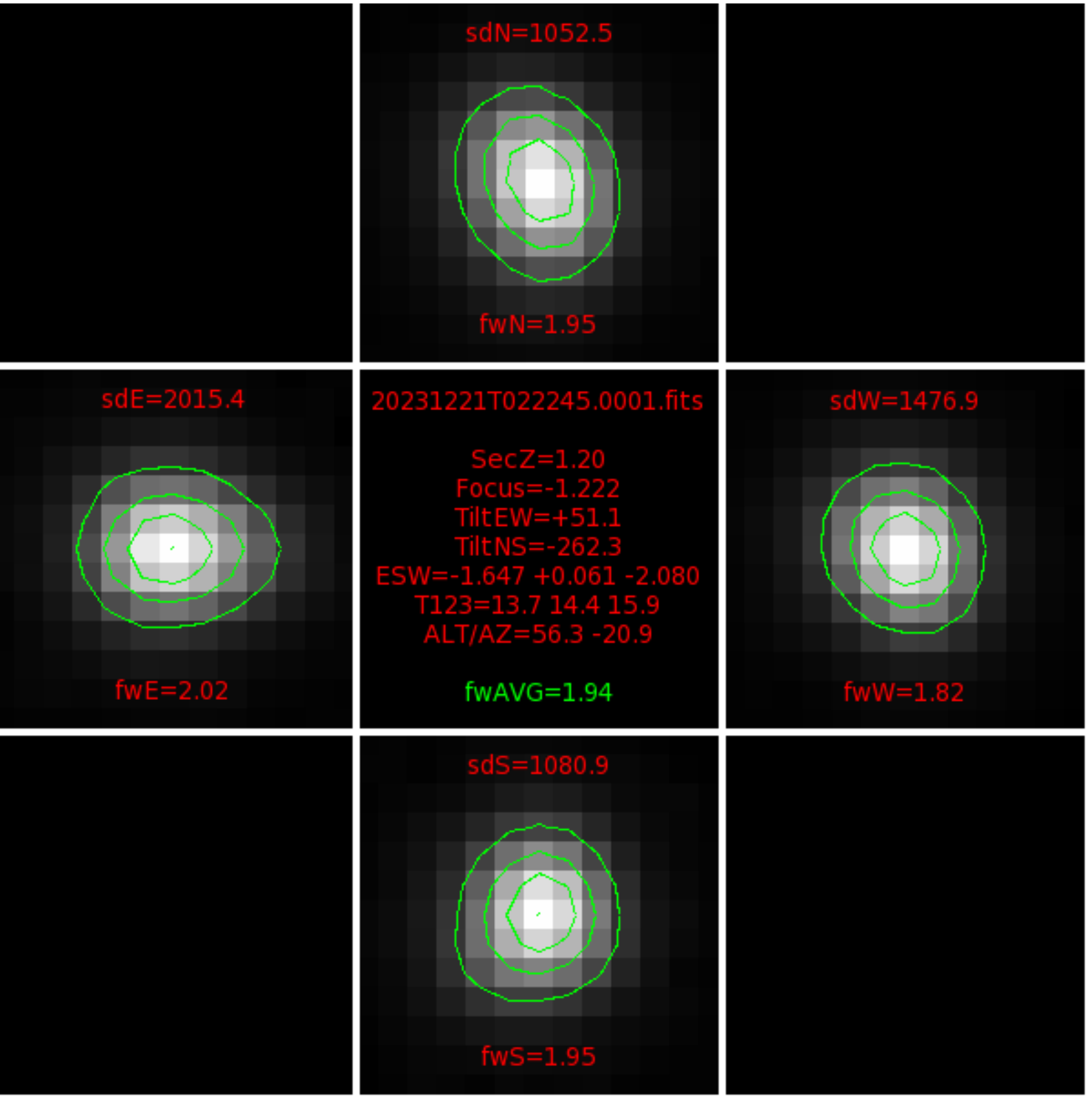
sdN=1052.5
fwN=1.95
sdE=2015.4
fwE=2.02
20231221T022245.0001.fits
SecZ=1.20
Focus=-1.222
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.647 +0.061 -2.080
T123=13.7 14.4 15.9
ALT/AZ=56.3 -20.9
fwAVG=1.94
sdW=1476.9
fwW=1.82
sdS=1080.9
fwS=1.95
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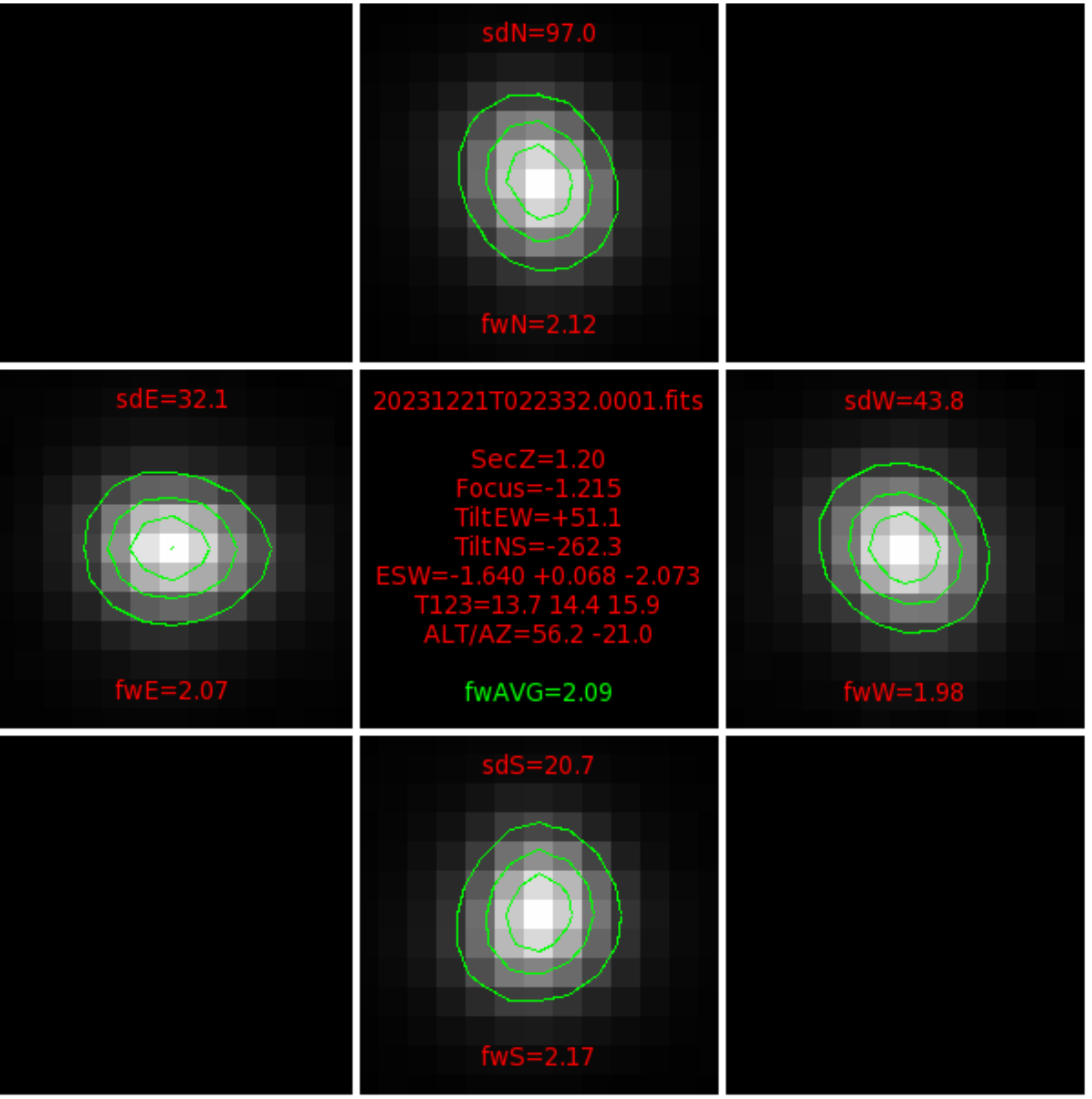
sdN=97.0
fwN=2.12
sdE=32.1
fwE=2.07
20231221T022332.0001.fits
SecZ=1.20
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.7 14.4 15.9
ALT/AZ=56.2 -21.0
fwAVG=2.09
sdW=43.8
fwW=1.98
sdS=20.7
fwS=2.17
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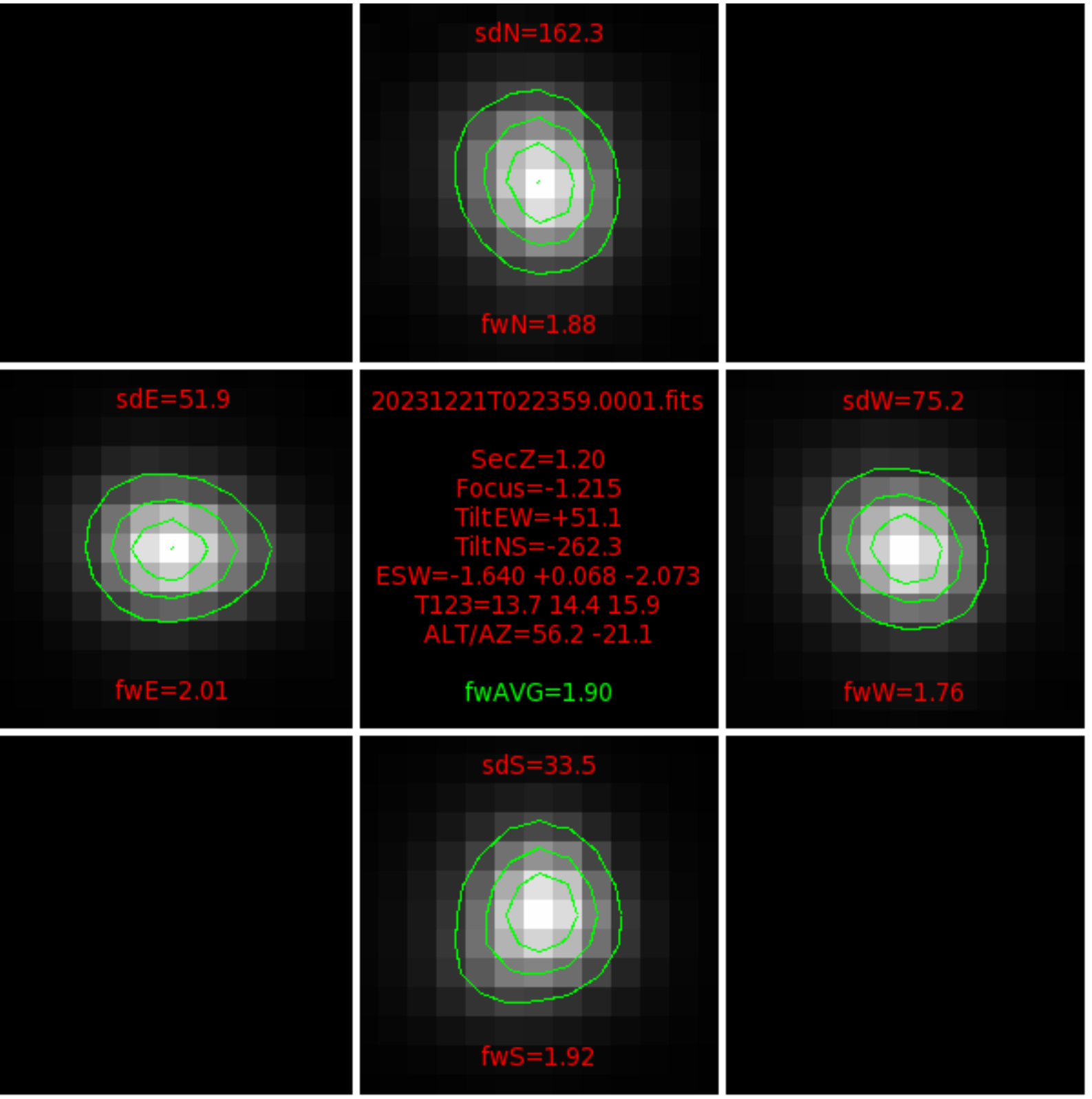
sdN=162.3
fwN=1.88
sdE=51.9
fwE=2.01
20231221T022359.0001.fits
SecZ=1.20
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.7 14.4 15.9
ALT/AZ=56.2 -21.1
fwAVG=1.90
sdW=75.2
fwW=1.76
sdS=33.5
fwS=1.92
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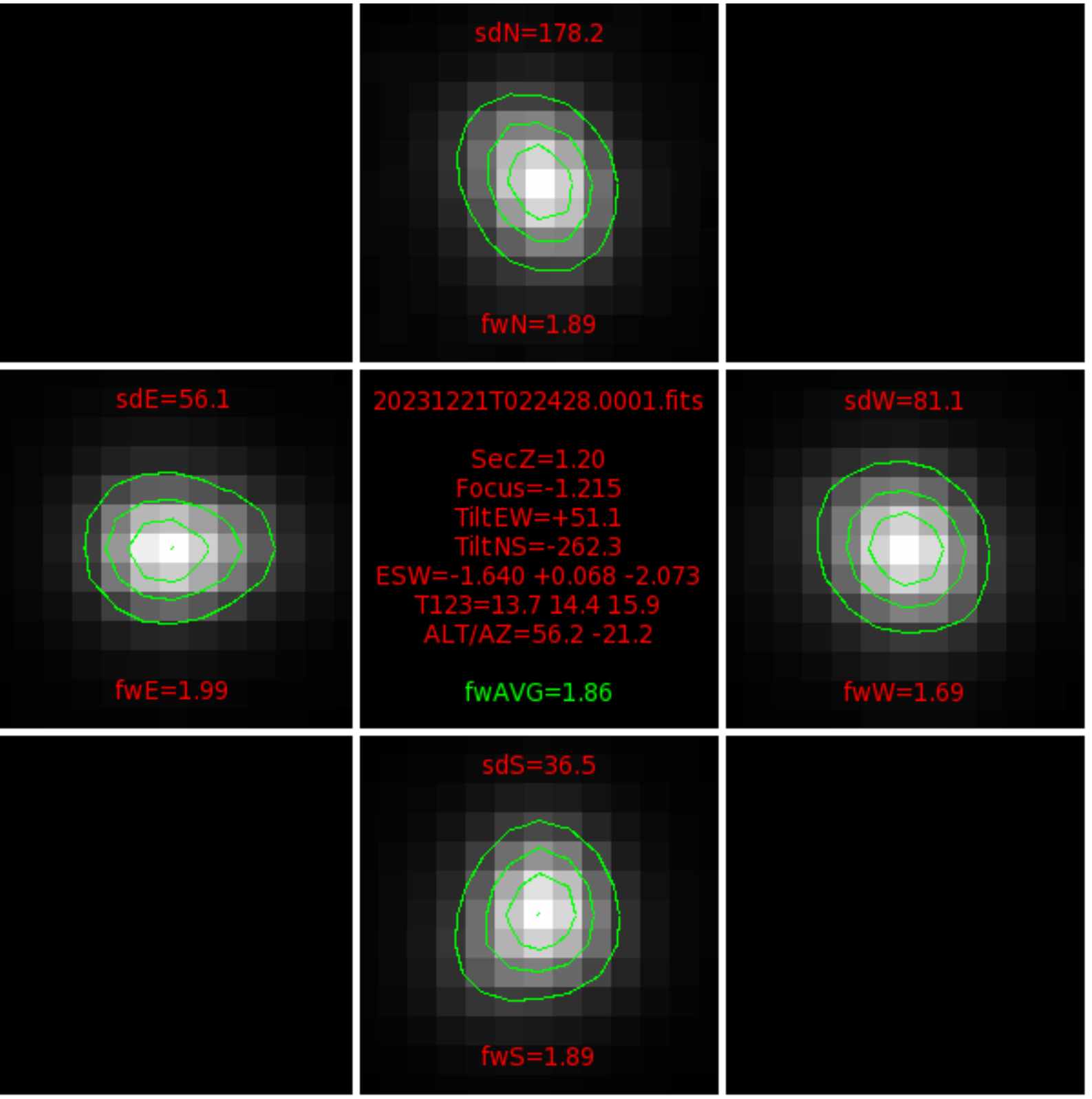
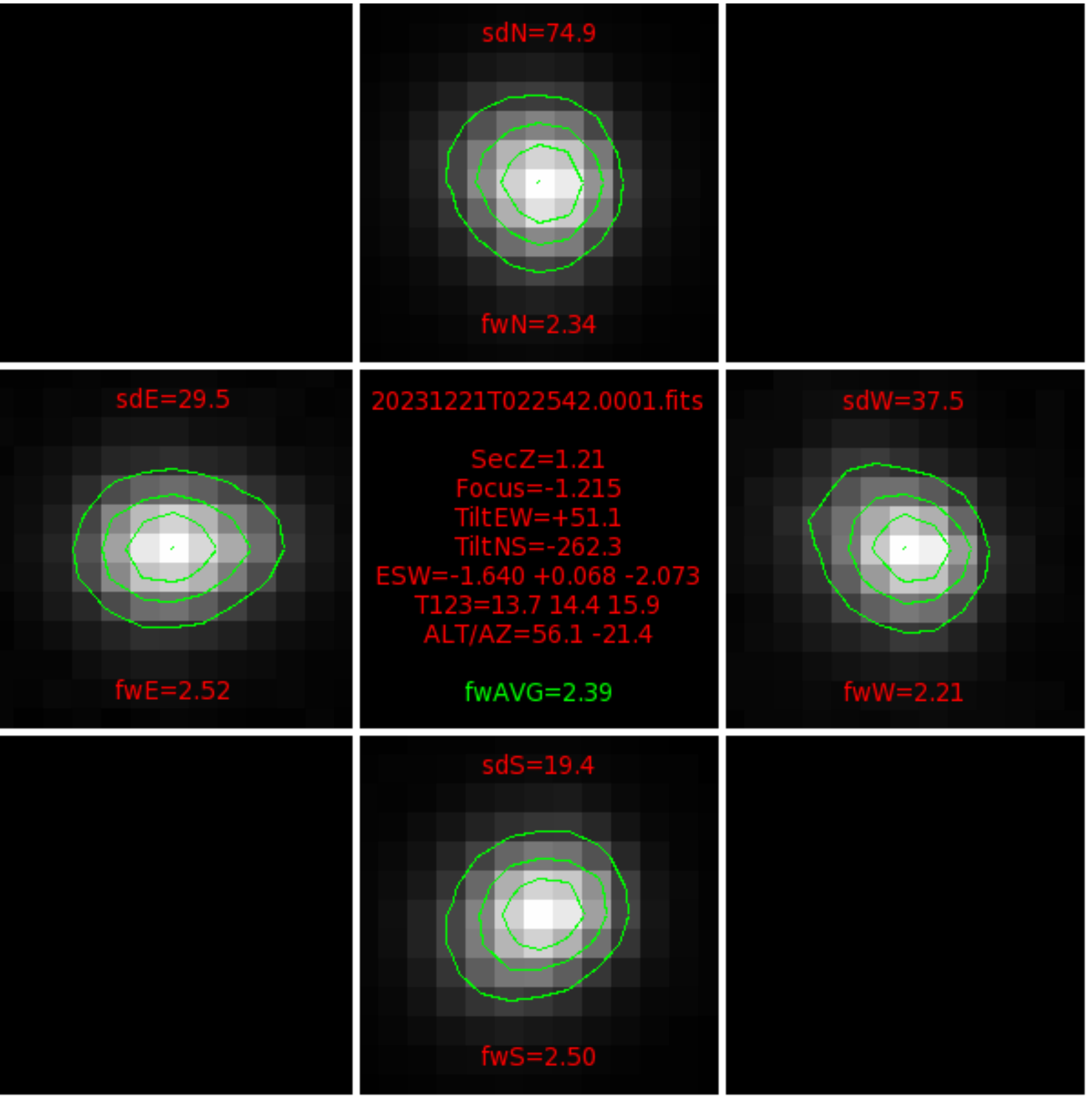

sdN=178.2
fwN=1.89
sdE=56.1
fwE=1.99
20231221T022428.0001.fits
SecZ=1.20
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.7 14.4 15.9
ALT/AZ=56.2 -21.2
fwAVG=1.86
sdW=81.1
fwW=1.69
sdS=36.5
fwS=1.89
0 0 0 0 0 0 0 0 0


sdN=74.9
fwN=2.34
sdE=29.5
fwE=2.52
20231221T022542.0001.fits
SecZ=1.21
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.7 14.4 15.9
ALT/AZ=56.1 -21.4
fwAVG=2.39
sdW=37.5
fwW=2.21
sdS=19.4
fwS=2.50
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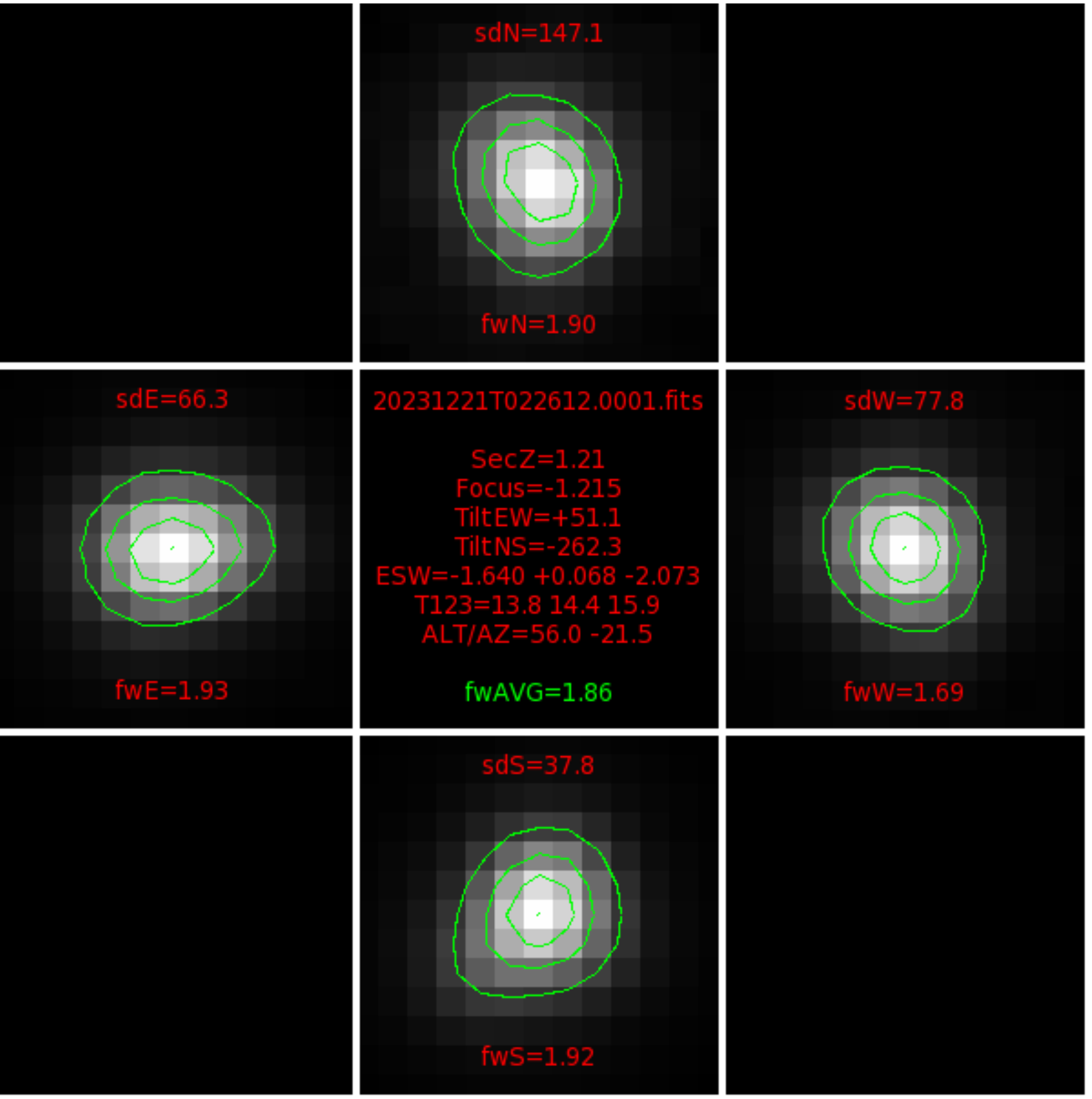
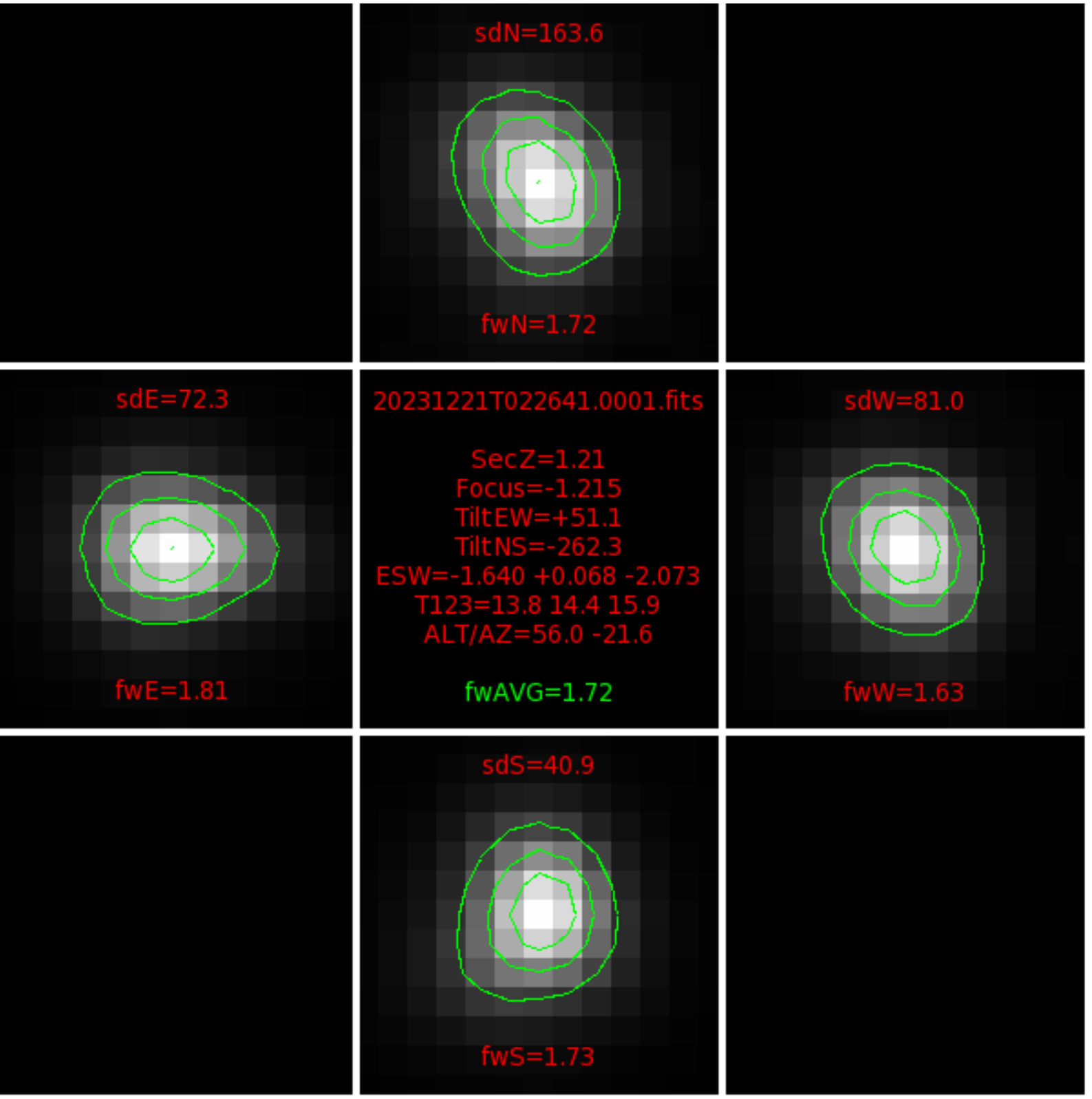

sdN=147.1
fwN=1.90
sdE=66.3
fwE=1.93
20231221T022612.0001.fits
SecZ=1.21
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.8 14.4 15.9
ALT/AZ=56.0 -21.5
fwAVG=1.86
sdW=77.8
fwW=1.69
sdS=37.8
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=163.6
fwN=1.72
sdE=72.3
fwE=1.81
20231221T022641.0001.fits
SecZ=1.21
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.8 14.4 15.9
ALT/AZ=56.0 -21.6
fwAVG=1.72
sdW=81.0
fwW=1.63
sdS=40.9
fwS=1.73
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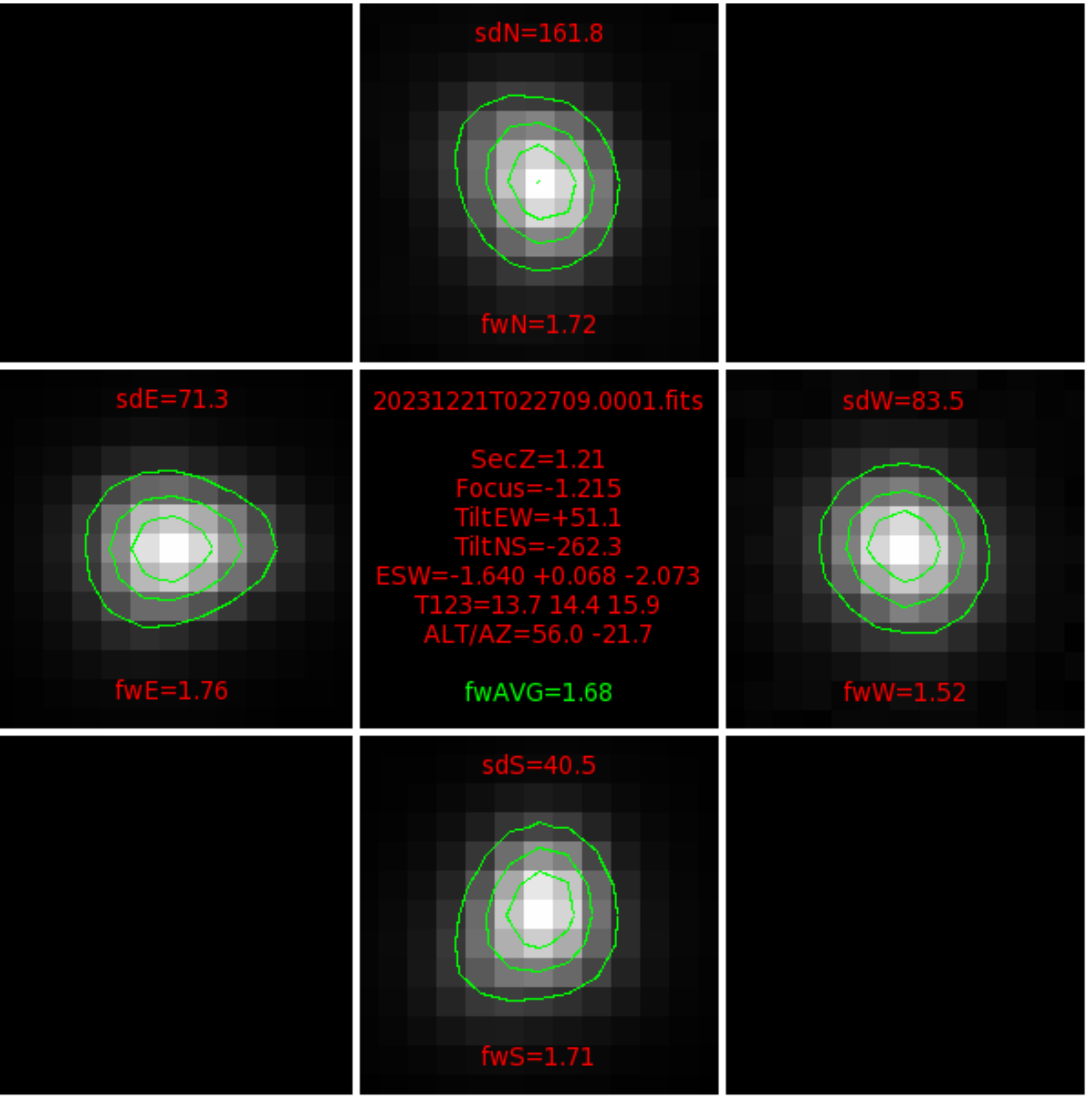
sdN=161.8
fwN=1.72
sdE=71.3
fwE=1.76
20231221T022709.0001.fits
SecZ=1.21
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.7 14.4 15.9
ALT/AZ=56.0 -21.7
fwAVG=1.68
sdW=83.5
fwW=1.52
sdS=40.5
fwS=1.71
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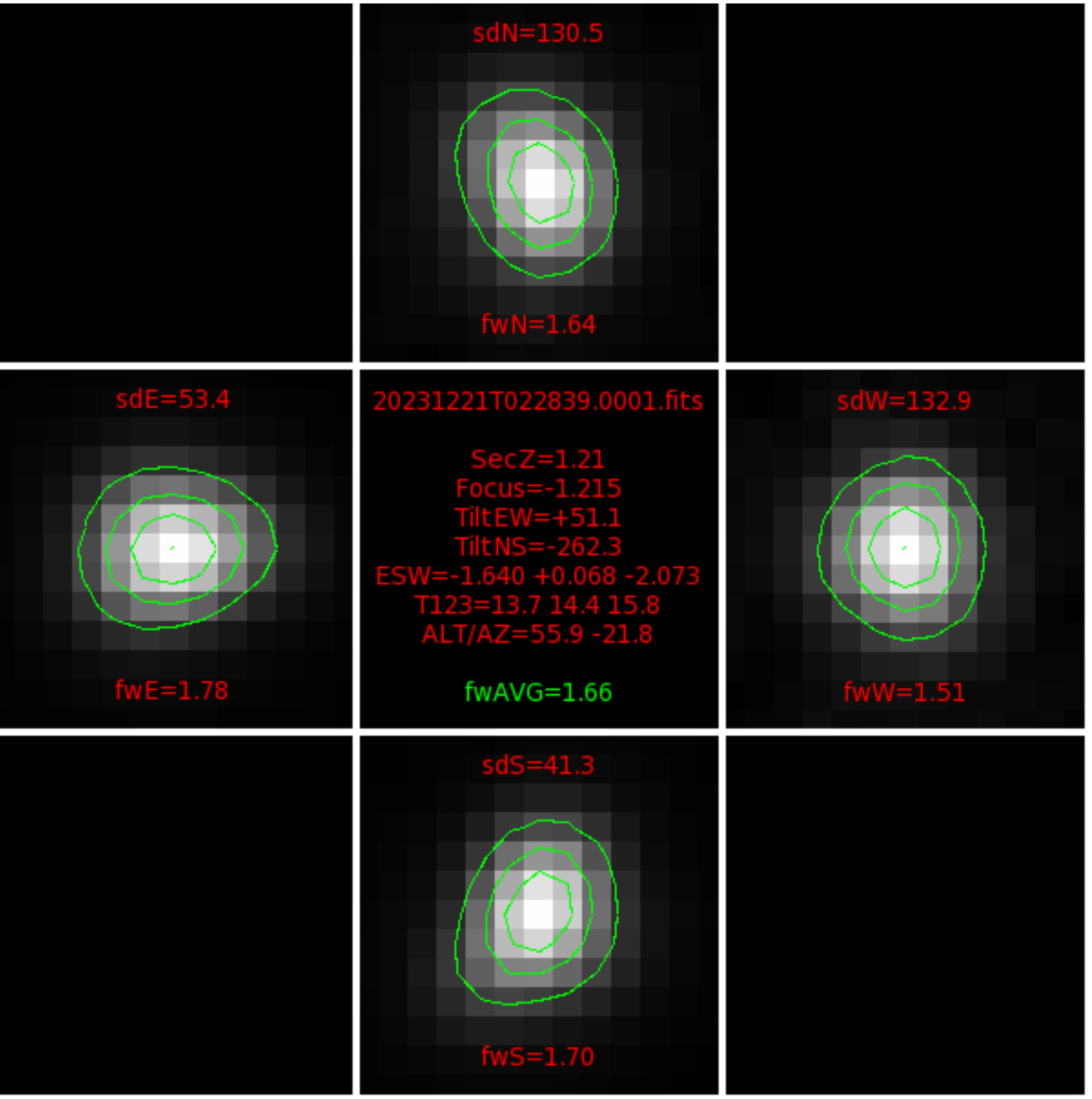
sdN=130.5
fwN=1.64
sdE=53.4
fwE=1.78
20231221T022839.0001.fits
SecZ=1.21
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.7 14.4 15.8
ALT/AZ=55.9 -21.8
fwAVG=1.66
sdW=132.9
fwW=1.51
sdS=41.3
fwS=1.70
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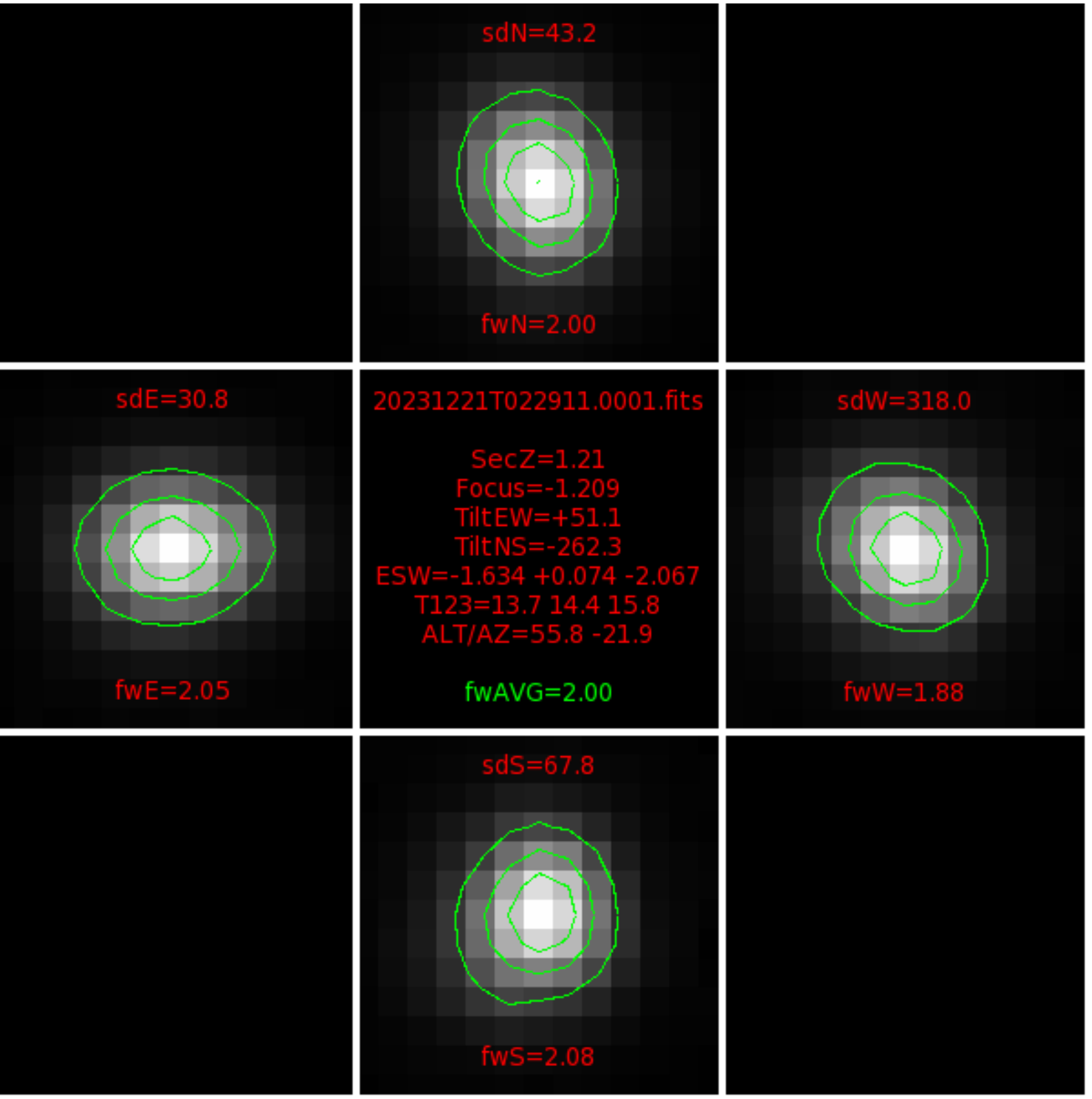
sdN=43.2
fwN=2.00
sdE=30.8
fwE=2.05
20231221T022911.0001.fits
SecZ=1.21
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.4 15.8
ALT/AZ=55.8 -21.9
fwAVG=2.00
sdW=318.0
fwW=1.88
sdS=67.8
fwS=2.08
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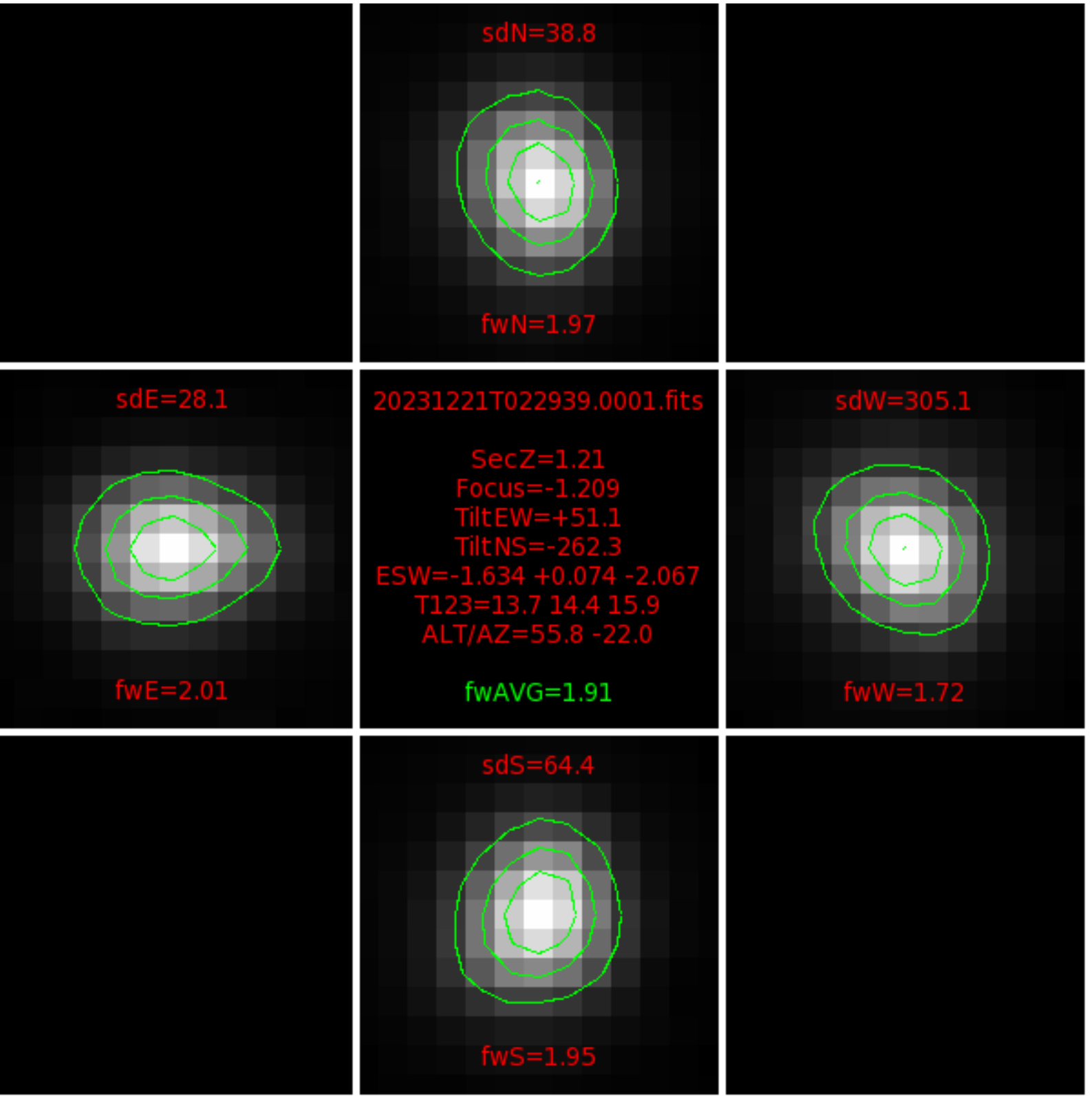
sdN=38.8
fwN=1.97
sdE=28.1
fwE=2.01
20231221T022939.0001.fits
SecZ=1.21
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.4 15.9
ALT/AZ=55.8 -22.0
fwAVG=1.91
sdW=305.1
fwW=1.72
sdS=64.4
fwS=1.95
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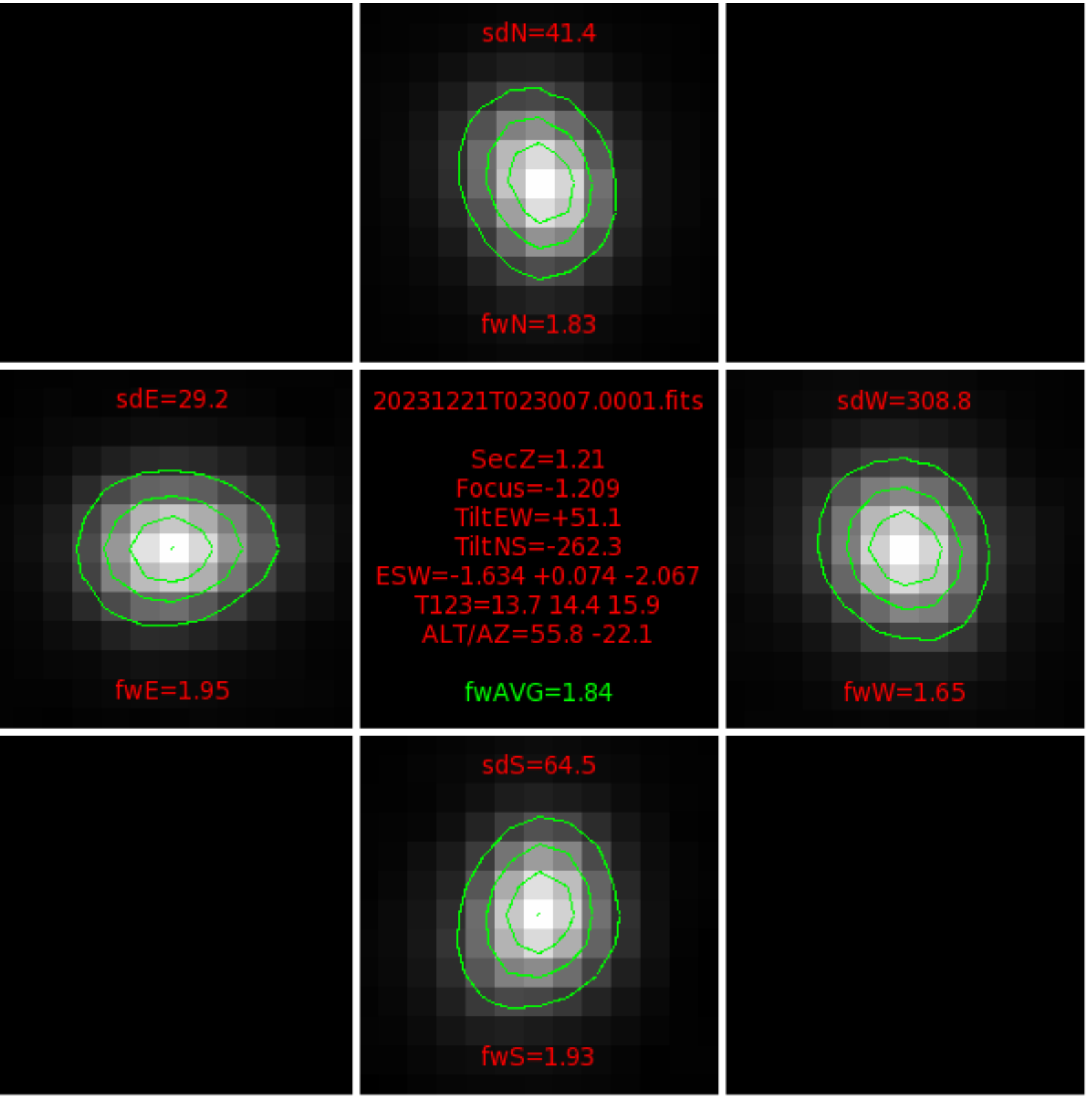
sdN=41.4
fwN=1.83
sdE=29.2
fwE=1.95
20231221T023007.0001.fits
SecZ=1.21
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.4 15.9
ALT/AZ=55.8 -22.1
fwAVG=1.84
sdW=308.8
fwW=1.65
sdS=64.5
fwS=1.93
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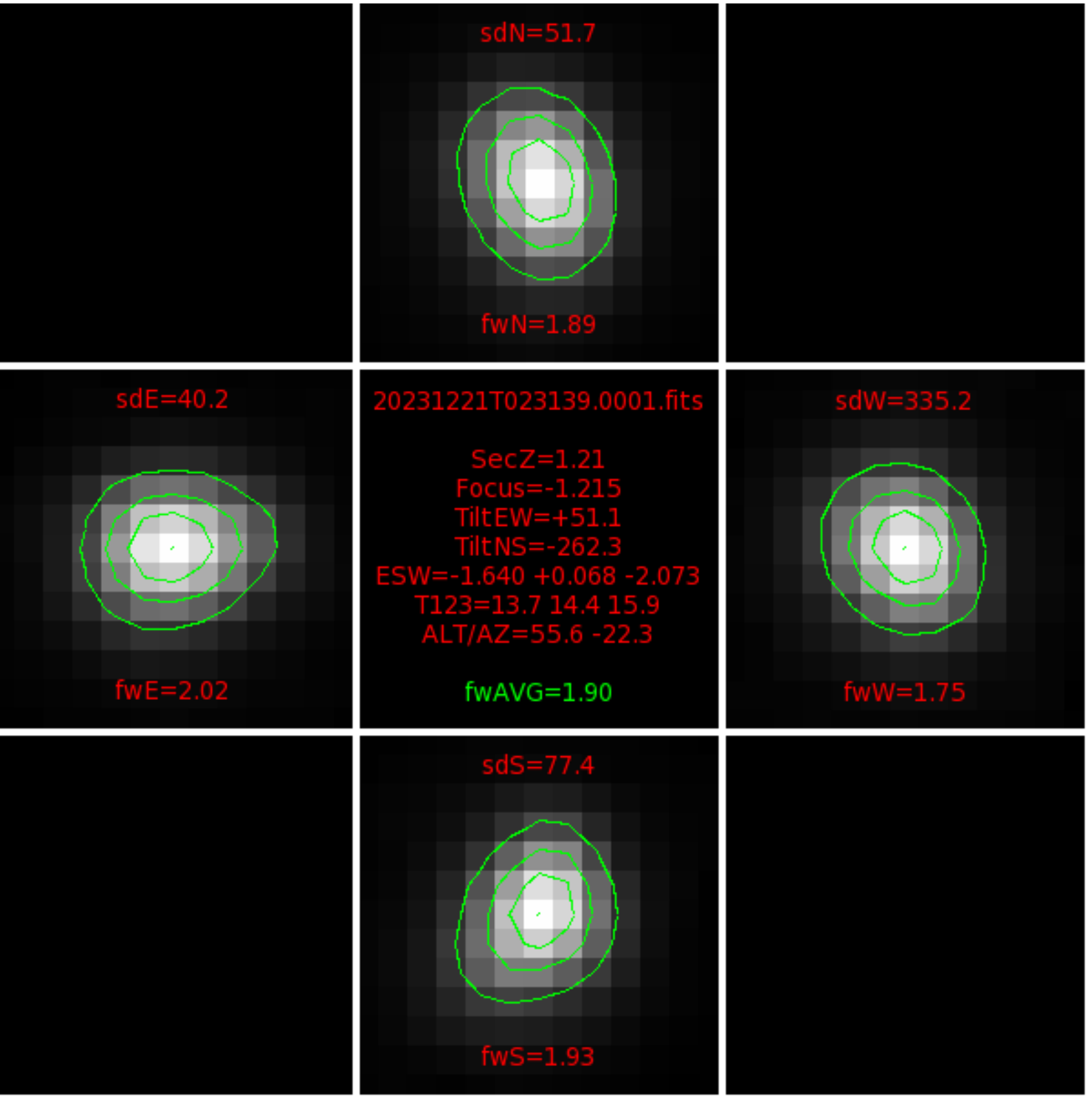
sdN=51.7
fwN=1.89
sdE=40.2
fwE=2.02
20231221T023139.0001.fits
SecZ=1.21
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.7 14.4 15.9
ALT/AZ=55.6 -22.3
fwAVG=1.90
sdW=335.2
fwW=1.75
sdS=77.4
fwS=1.93
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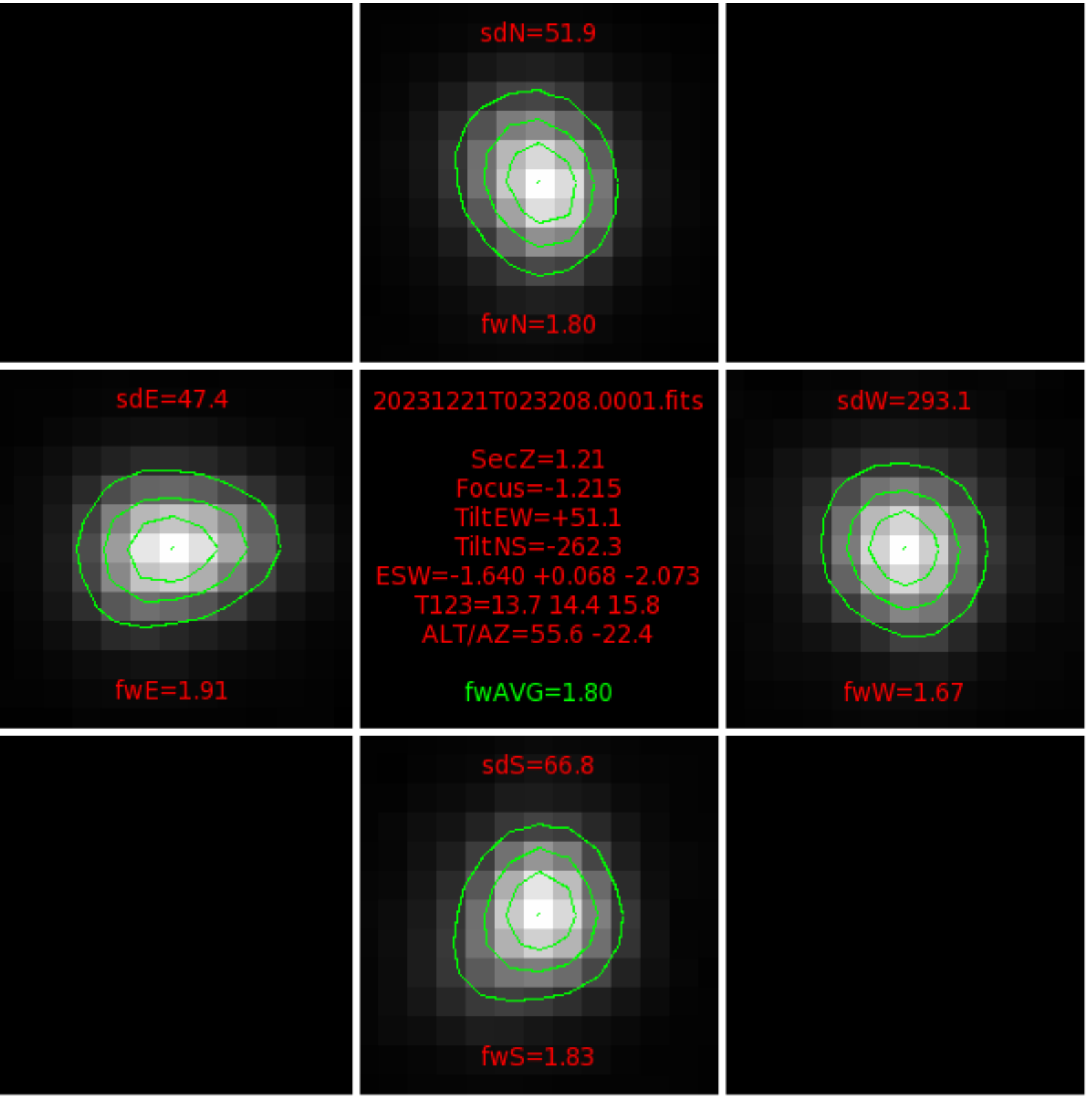
sdN=51.9
fwN=1.80
sdE=47.4
fwE=1.91
20231221T023208.0001.fits
SecZ=1.21
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.7 14.4 15.8
ALT/AZ=55.6 -22.4
fwAVG=1.80
sdW=293.1
fwW=1.67
sdS=66.8
fwS=1.83
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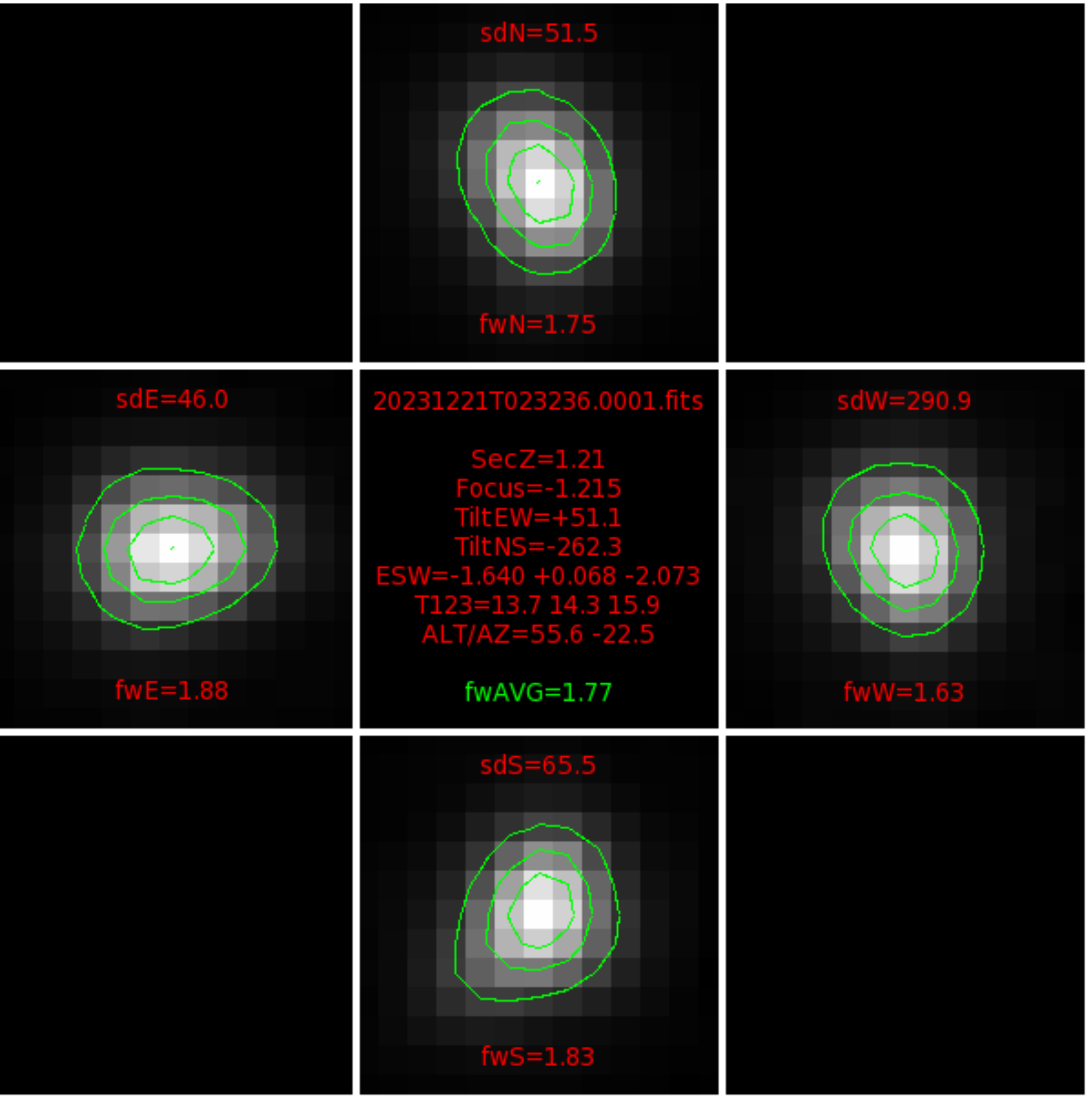
sdN=51.5
fwN=1.75
sdE=46.0
fwE=1.88
20231221T023236.0001.fits
SecZ=1.21
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.7 14.3 15.9
ALT/AZ=55.6 -22.5
fwAVG=1.77
sdW=290.9
fwW=1.63
sdS=65.5
fwS=1.83
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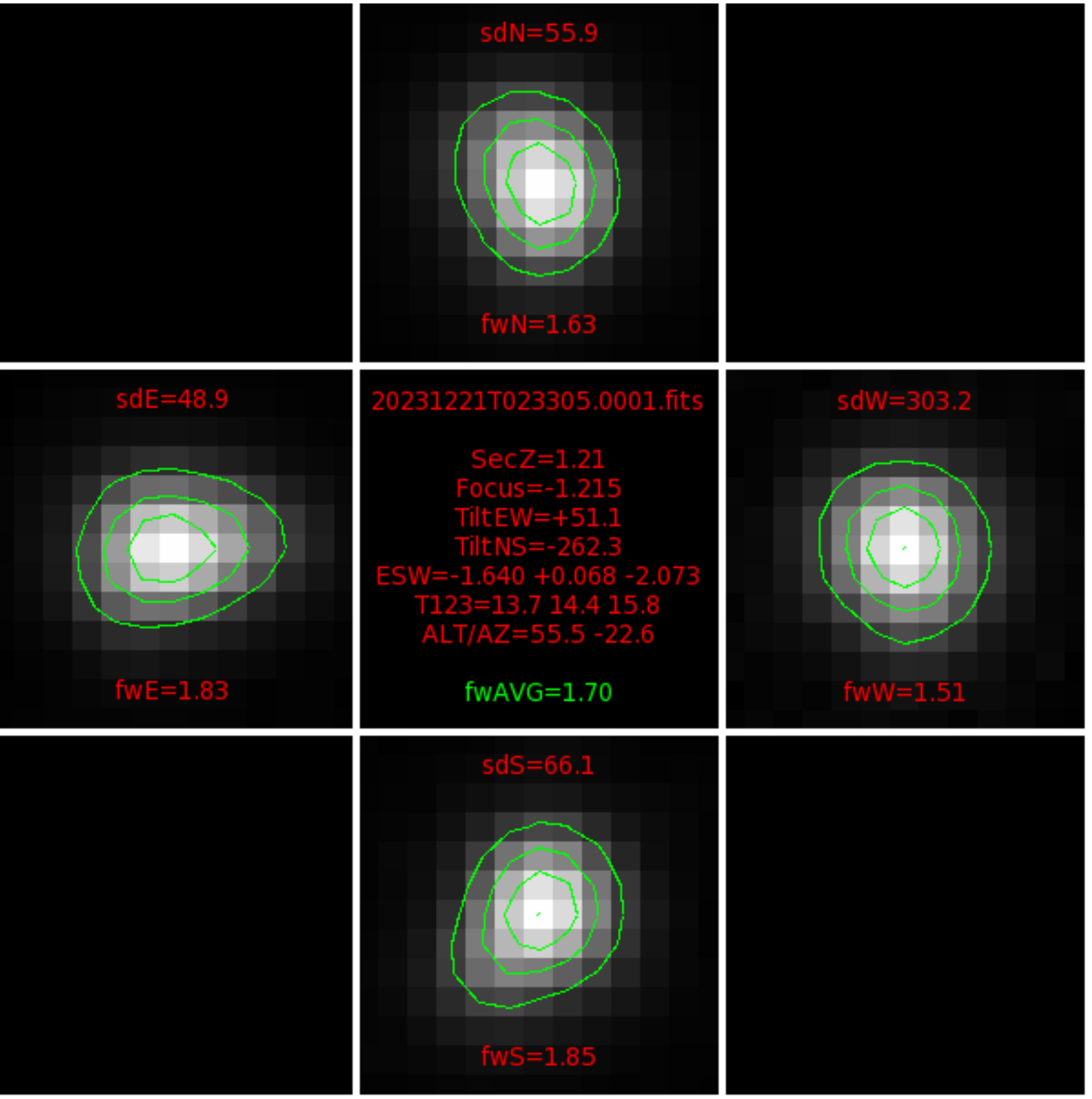
sdN=55.9
fwN=1.63
sdE=48.9
fwE=1.83
20231221T023305.0001.fits
SecZ=1.21
Focus=-1.215
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.640 +0.068 -2.073
T123=13.7 14.4 15.8
ALT/AZ=55.5 -22.6
fwAVG=1.70
sdW=303.2
fwW=1.51
sdS=66.1
fwS=1.85
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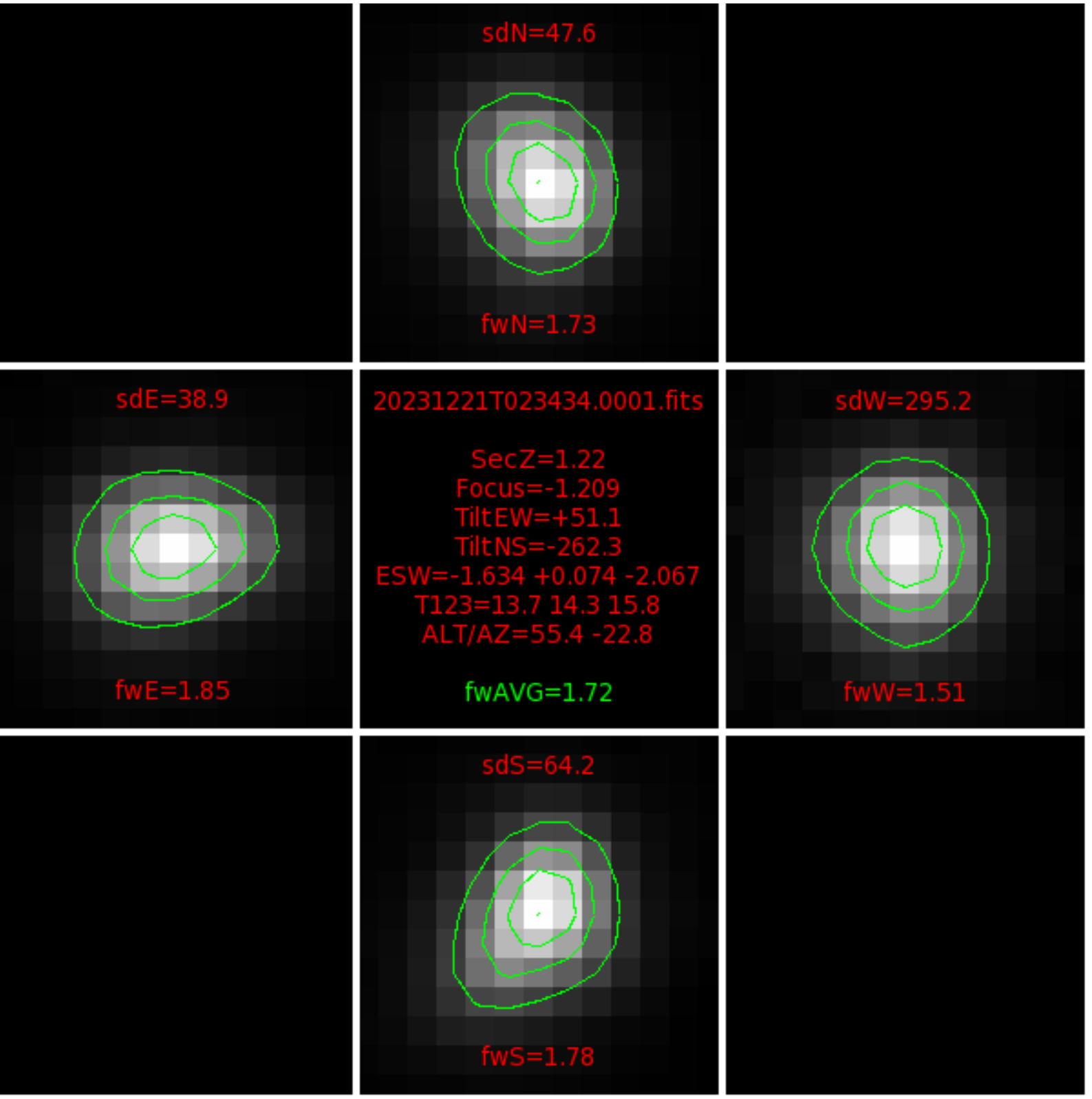
sdN=47.6
fwN=1.73
sdE=38.9
fwE=1.85
20231221T023434.0001.fits
SecZ=1.22
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.3 15.8
ALT/AZ=55.4 -22.8
fwAVG=1.72
sdW=295.2
fwW=1.51
sdS=64.2
fwS=1.78
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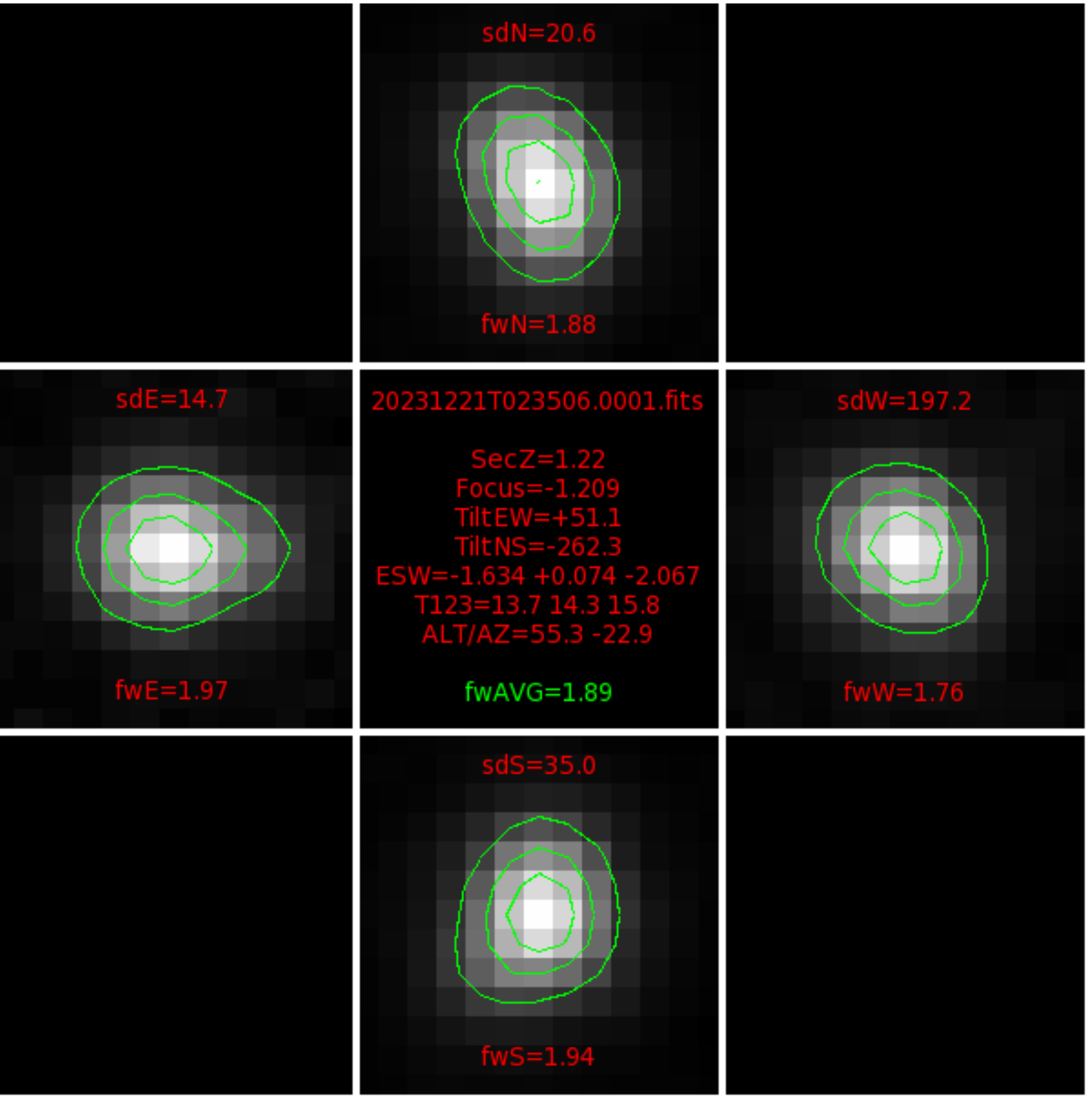
sdN=20.6
fwN=1.88
sdE=14.7
fwE=1.97
20231221T023506.0001.fits
SecZ=1.22
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.3 15.8
ALT/AZ=55.3 -22.9
fwAVG=1.89
sdW=197.2
fwW=1.76
sdS=35.0
fwS=1.94
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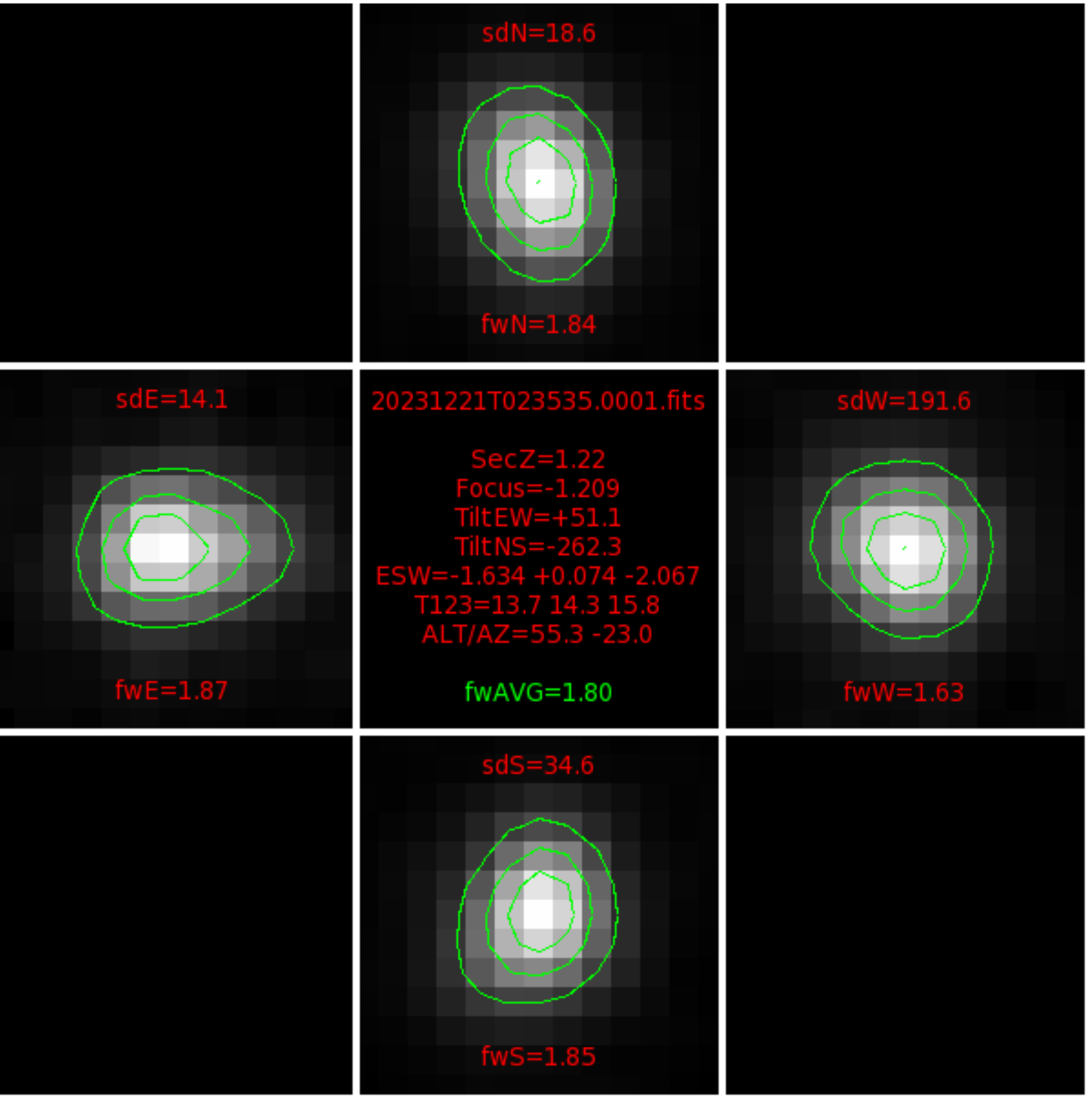
sdN=18.6
fwN=1.84
sdE=14.1
fwE=1.87
20231221T023535.0001.fits
SecZ=1.22
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.3 15.8
ALT/AZ=55.3 -23.0
fwAVG=1.80
sdW=191.6
fwW=1.63
sdS=34.6
fwS=1.85
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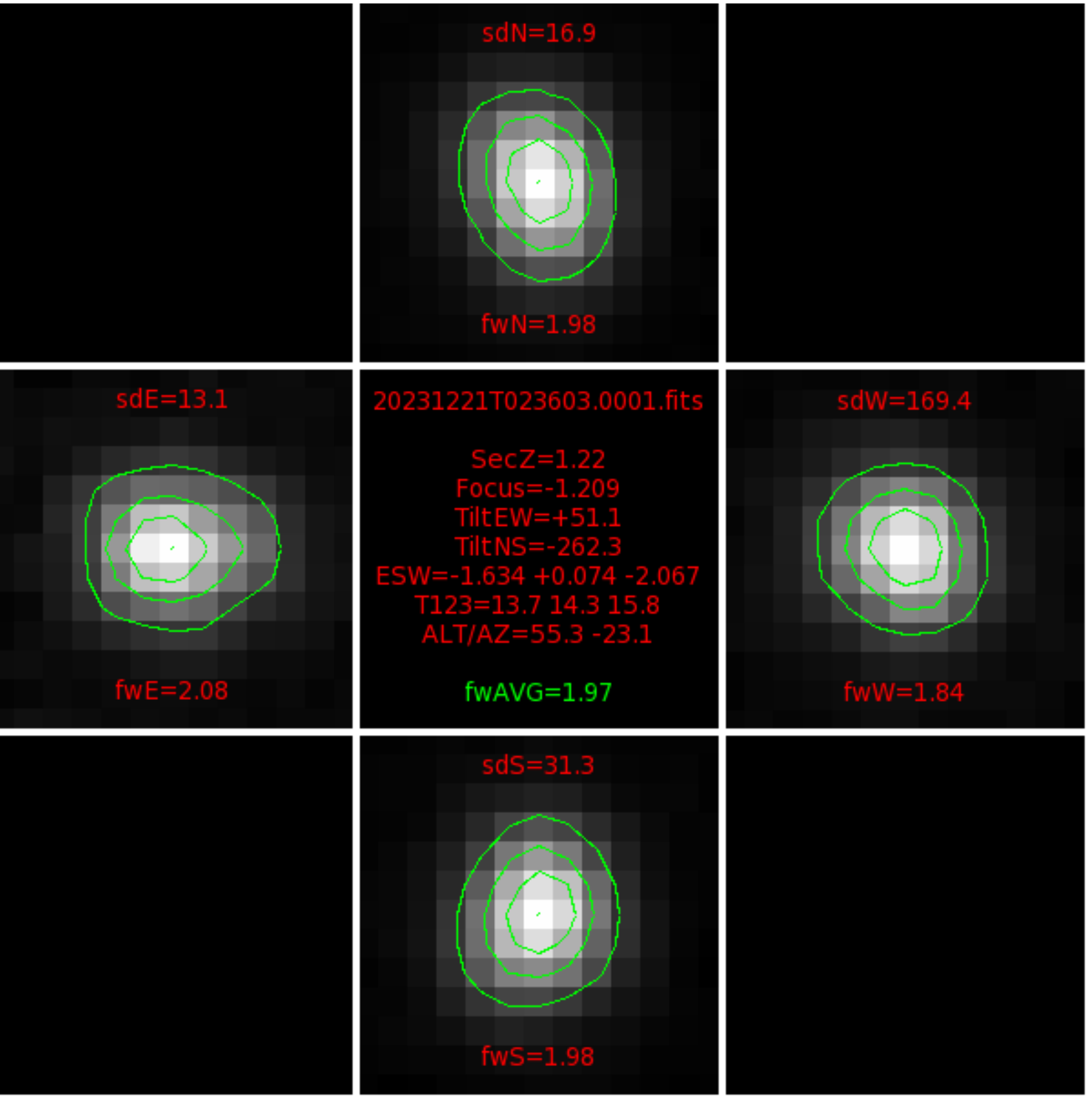
sdN=16.9
fwN=1.98
sdE=13.1
fwE=2.08
20231221T023603.0001.fits
SecZ=1.22
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.3 15.8
ALT/AZ=55.3 -23.1
fwAVG=1.97
sdW=169.4
fwW=1.84
sdS=31.3
fwS=1.98
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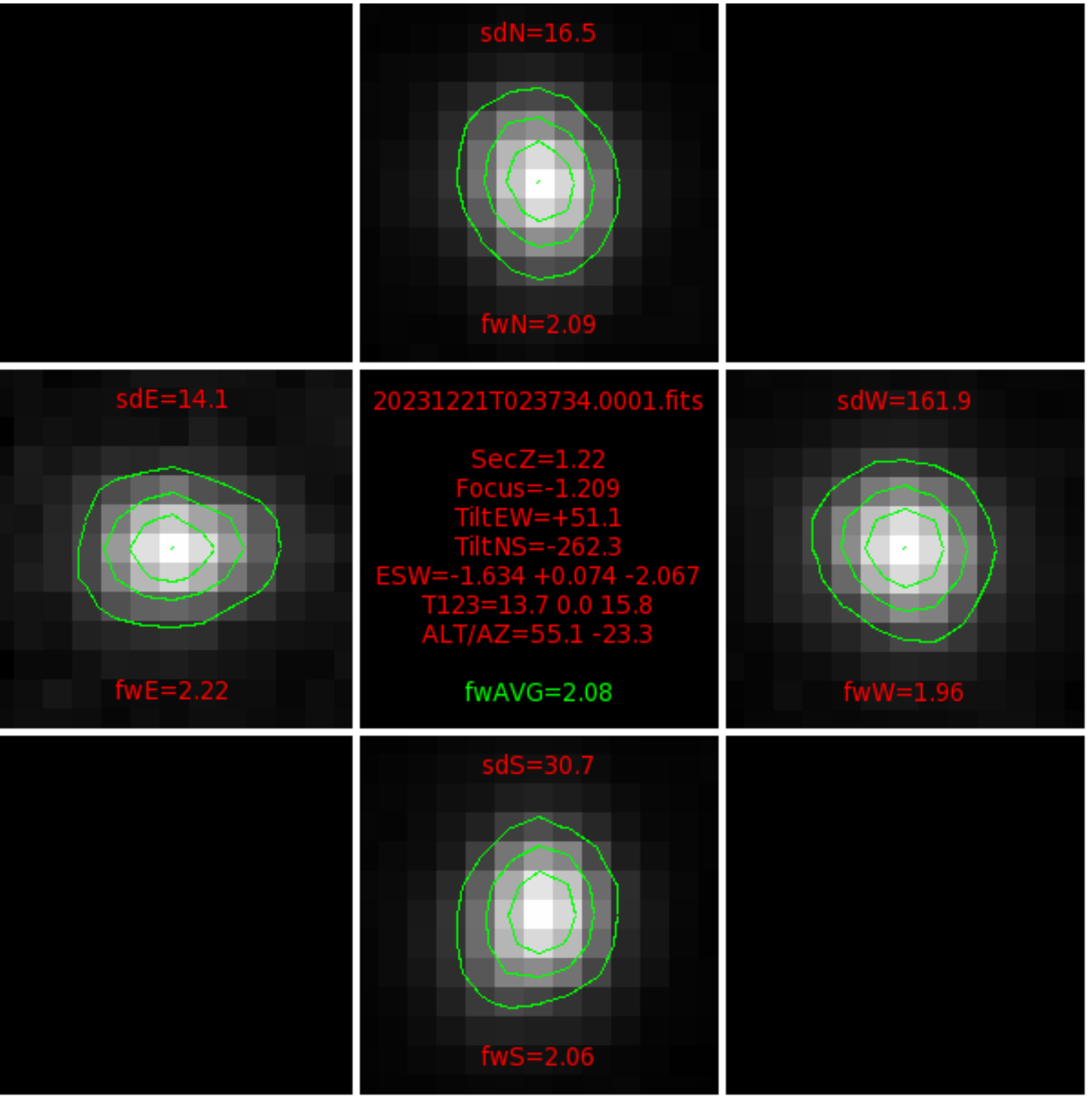
sdN=16.5
fwN=2.09
sdE=14.1
fwE=2.22
20231221T023734.0001.fits
SecZ=1.22
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 0.0 15.8
ALT/AZ=55.1 -23.3
fwAVG=2.08
sdW=161.9
fwW=1.96
sdS=30.7
fwS=2.06
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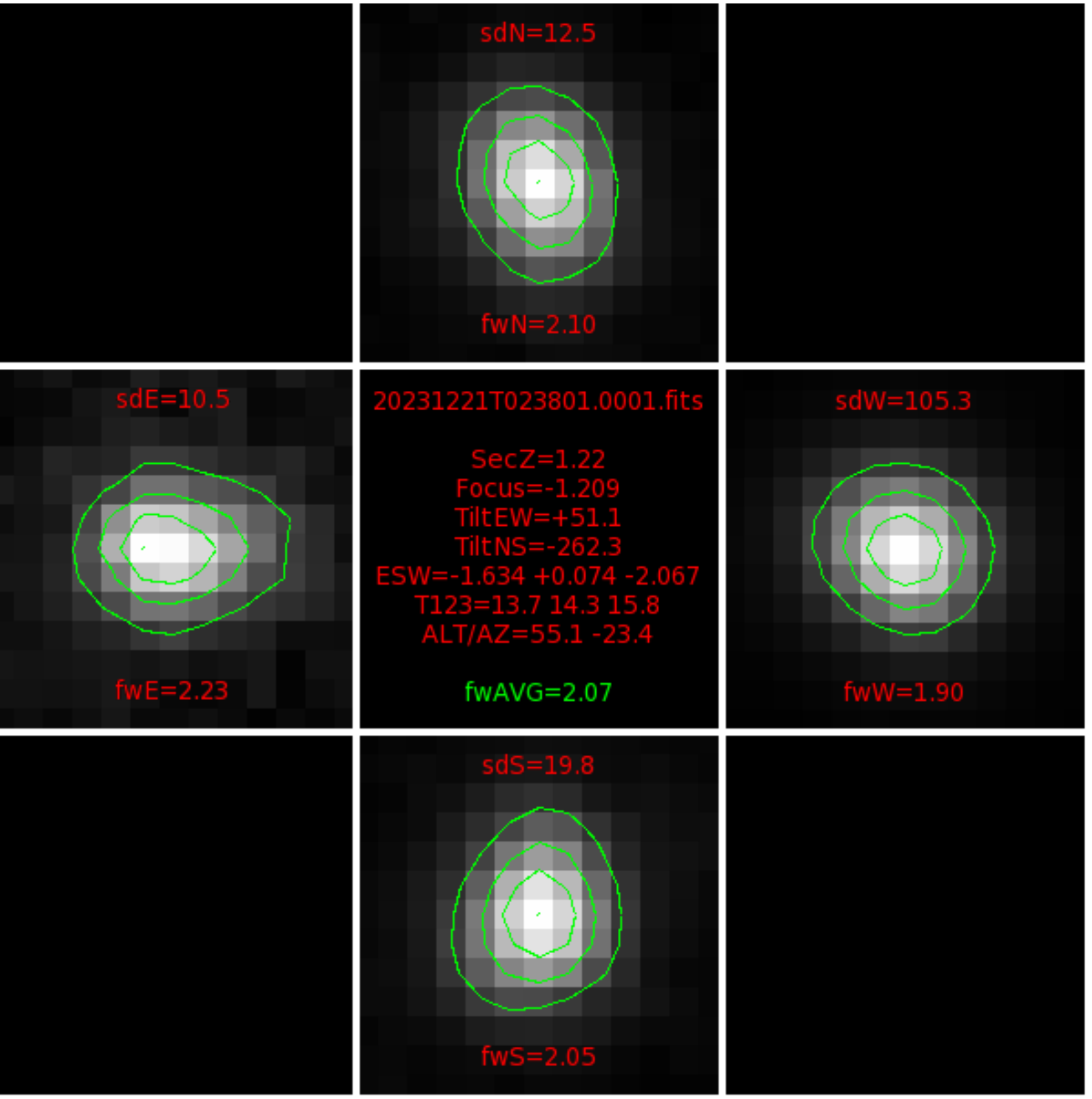
sdN=12.5
fwN=2.10
sdE=10.5
fwE=2.23
20231221T023801.0001.fits
SecZ=1.22
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.3 15.8
ALT/AZ=55.1 -23.4
fwAVG=2.07
sdW=105.3
fwW=1.90
sdS=19.8
fwS=2.05
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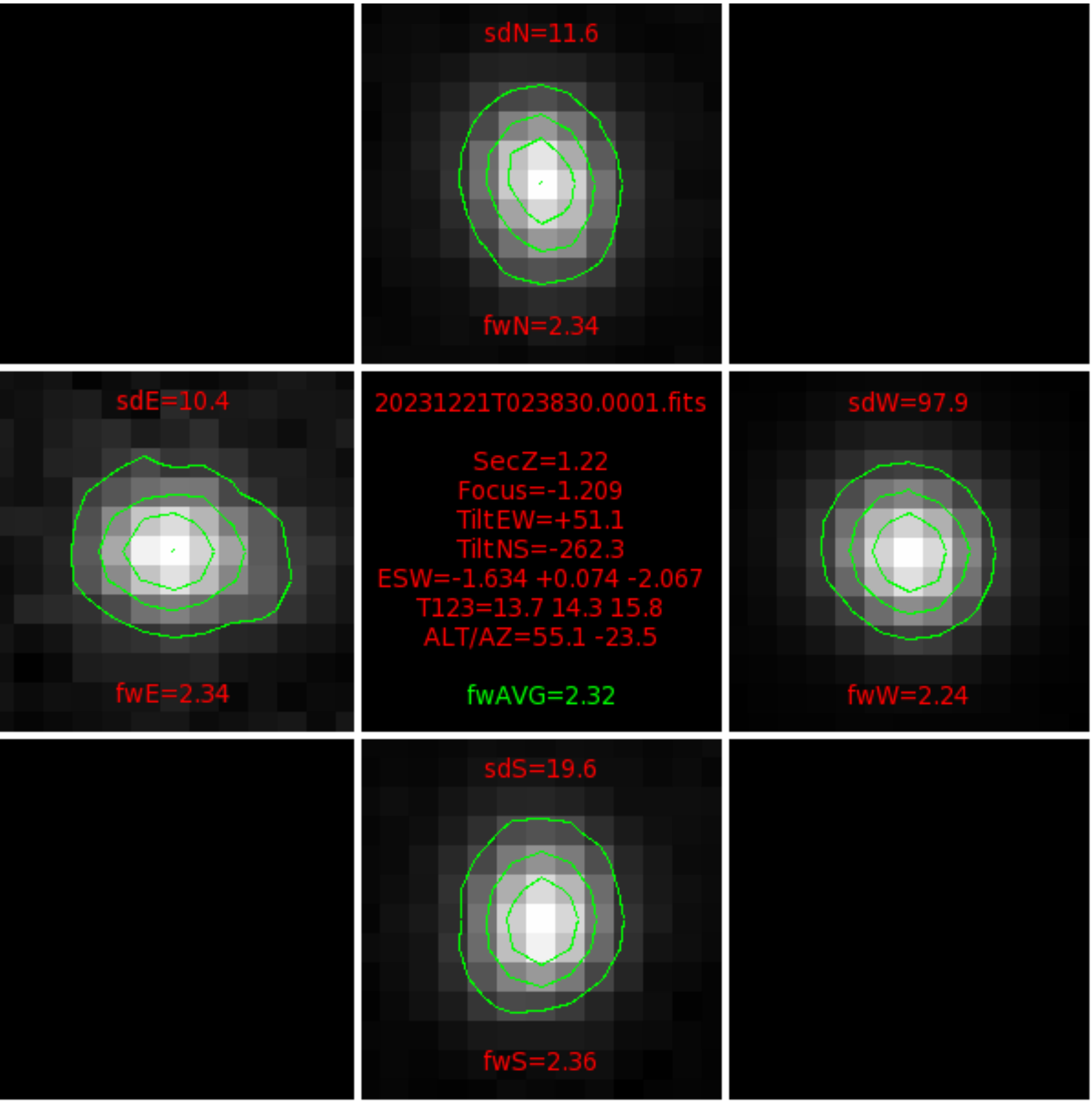
sdN=11.6
fwN=2.34
sdE=10.4
fwE=2.34
20231221T023830.0001.fits
SecZ=1.22
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.3 15.8
ALT/AZ=55.1 -23.5
fwAVG=2.32
sdW=97.9
fwW=2.24
sdS=19.6
fwS=2.36
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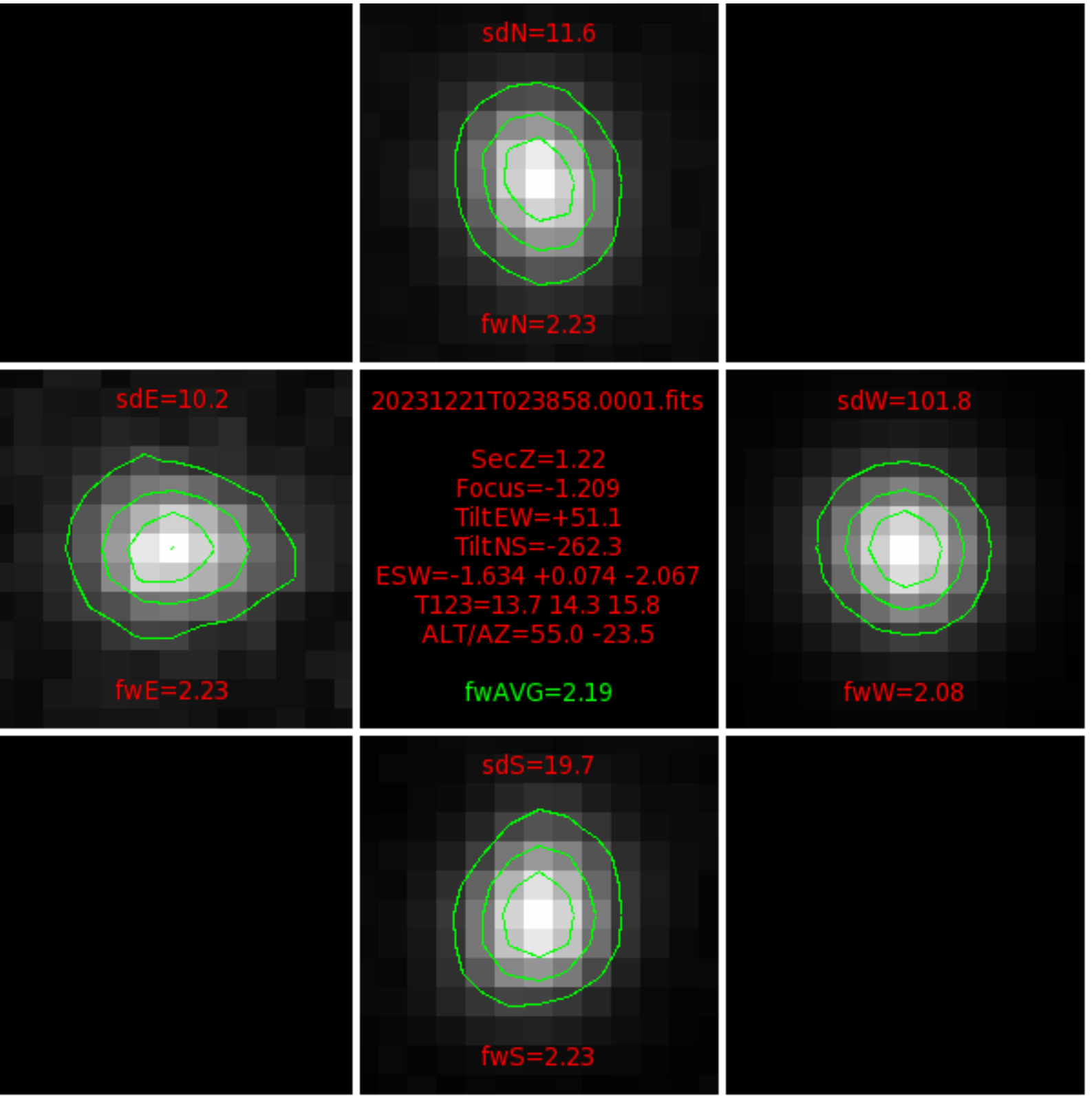
sdN=11.6
fwN=2.23
sdE=10.2
fwE=2.23
20231221T023858.0001.fits
SecZ=1.22
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.3 15.8
ALT/AZ=55.0 -23.5
fwAVG=2.19
sdW=101.8
fwW=2.08
sdS=19.7
fwS=2.23
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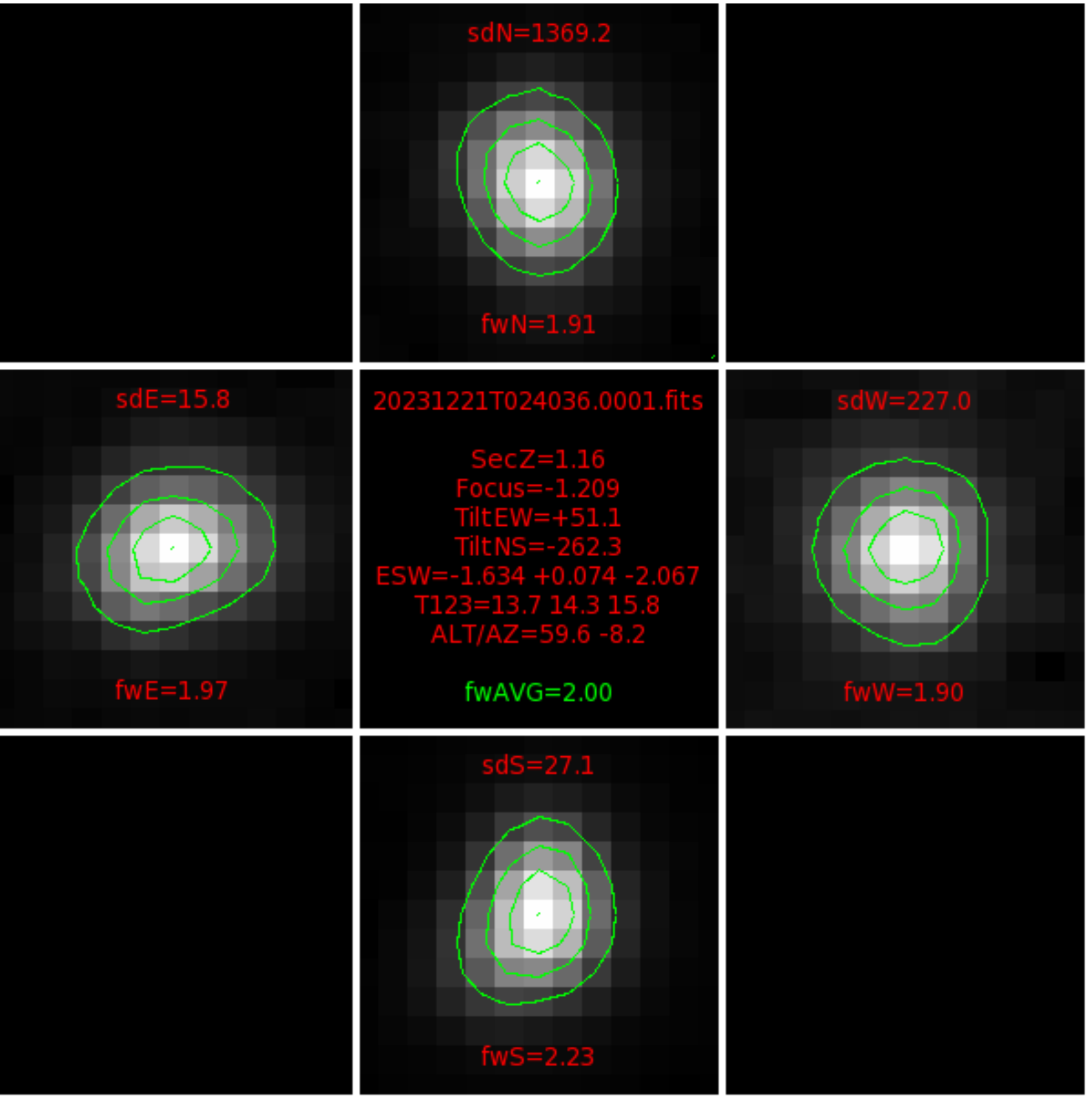
sdN=1369.2
fwN=1.91
sdE=15.8
fwE=1.97
20231221T024036.0001.fits
SecZ=1.16
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.3 15.8
ALT/AZ=59.6 -8.2
fwAVG=2.00
sdW=227.0
fwW=1.90
sdS=27.1
fwS=2.23
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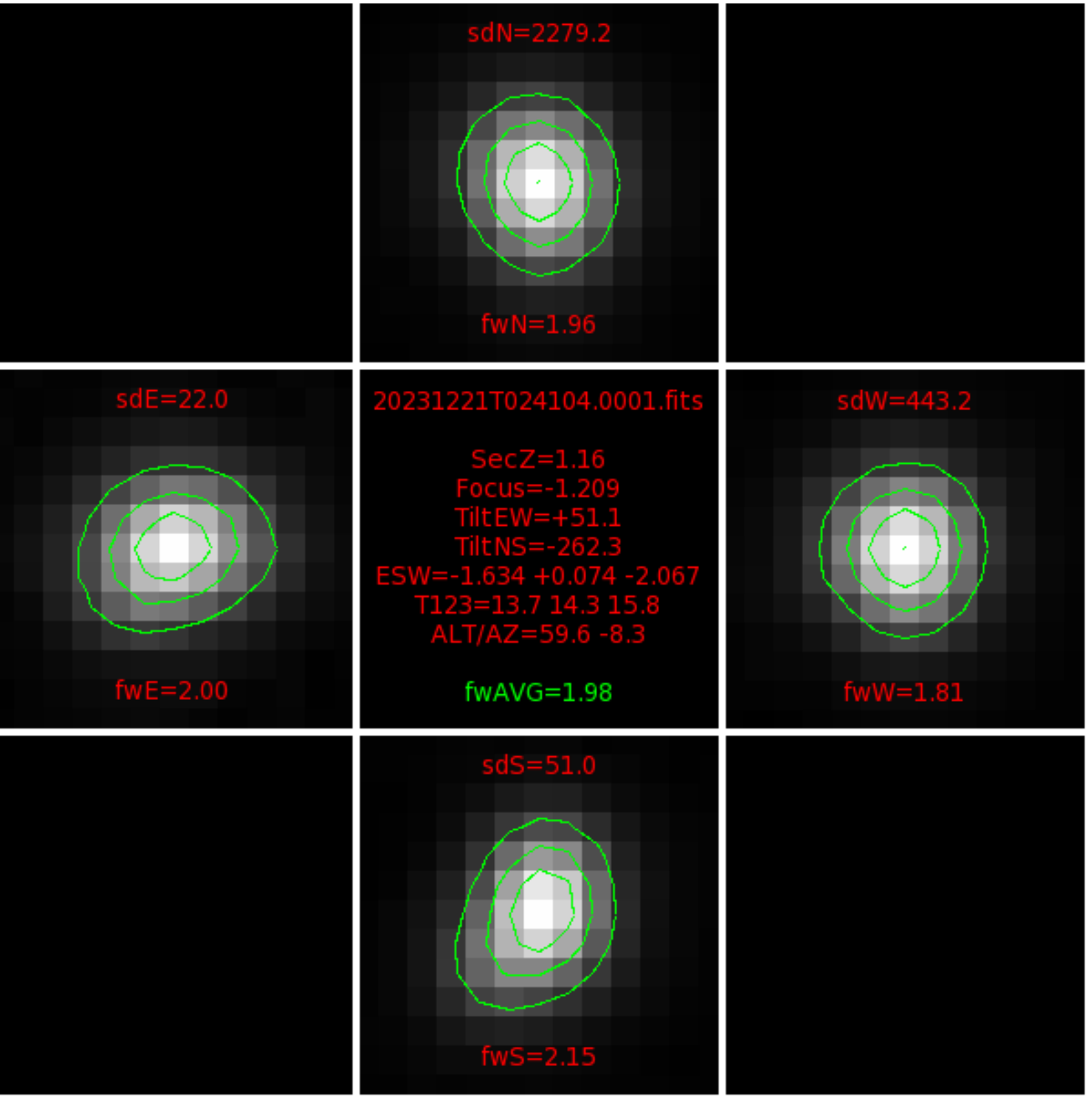
sdN=2279.2
fwN=1.96
sdE=22.0
fwE=2.00
20231221T024104.0001.fits
SecZ=1.16
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.3 15.8
ALT/AZ=59.6 -8.3
fwAVG=1.98
sdW=443.2
fwW=1.81
sdS=51.0
fwS=2.15
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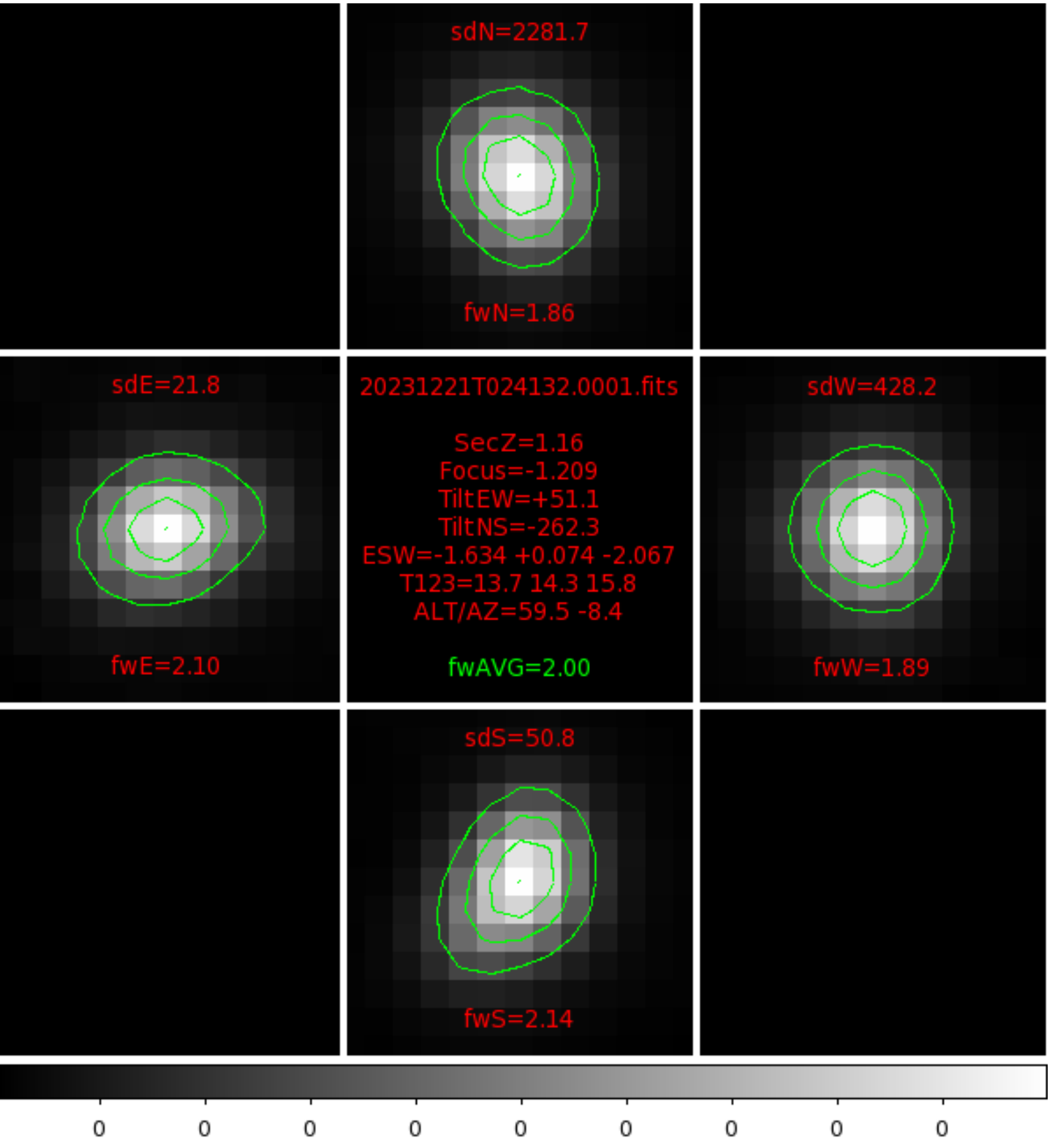
sdN=2281.7
fwN=1.86
sdE=21.8
fwE=2.10
20231221T024132.0001.fits
SecZ=1.16
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.3 15.8
ALT/AZ=59.5 -8.4
fwAVG=2.00
sdW=428.2
fwW=1.89
sdS=50.8
fwS=2.14
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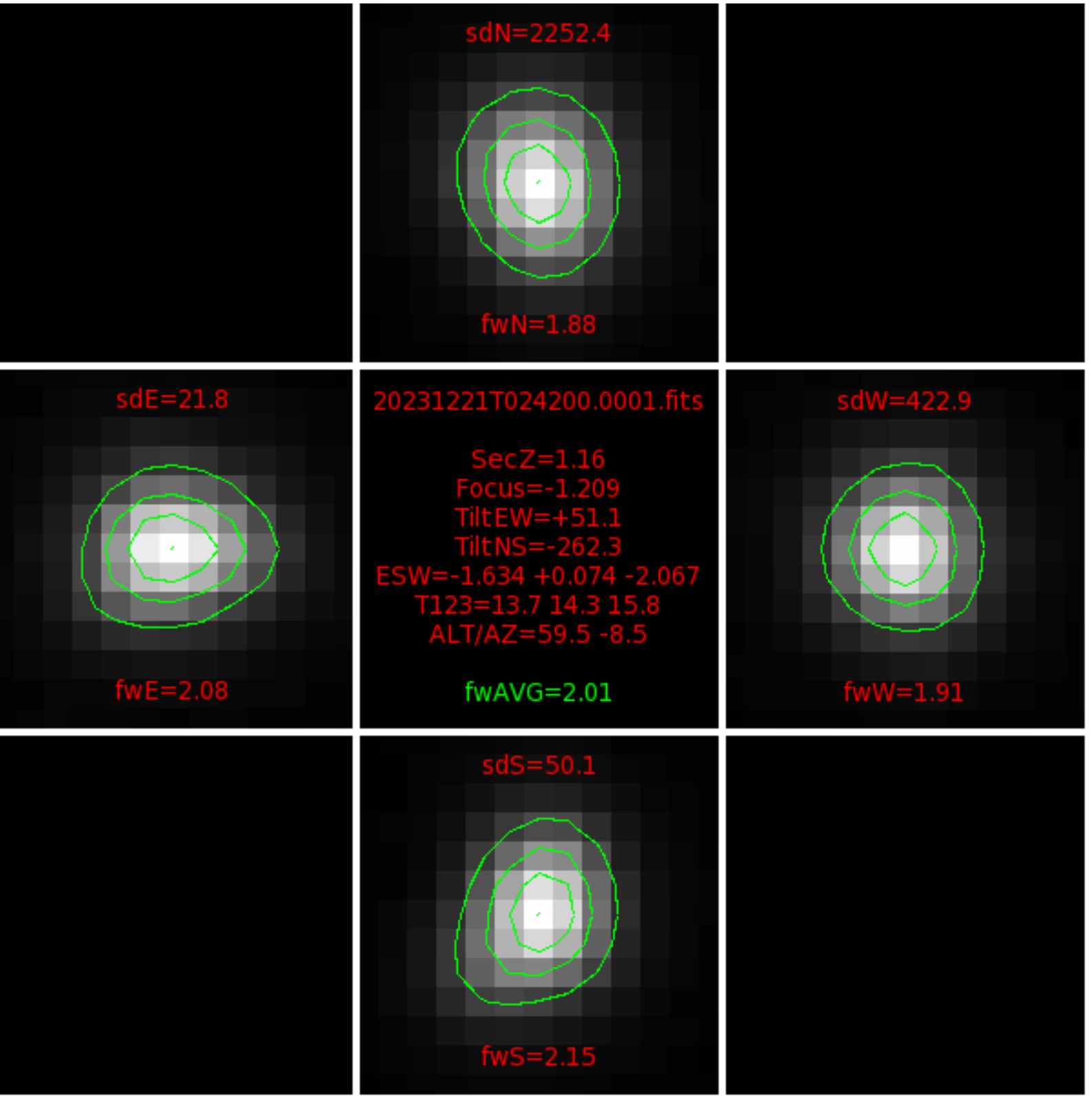
sdN=2252.4
fwN=1.88
sdE=21.8
fwE=2.08
20231221T024200.0001.fits
SecZ=1.16
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.3 15.8
ALT/AZ=59.5 -8.5
fwAVG=2.01
sdW=422.9
fwW=1.91
sdS=50.1
fwS=2.15
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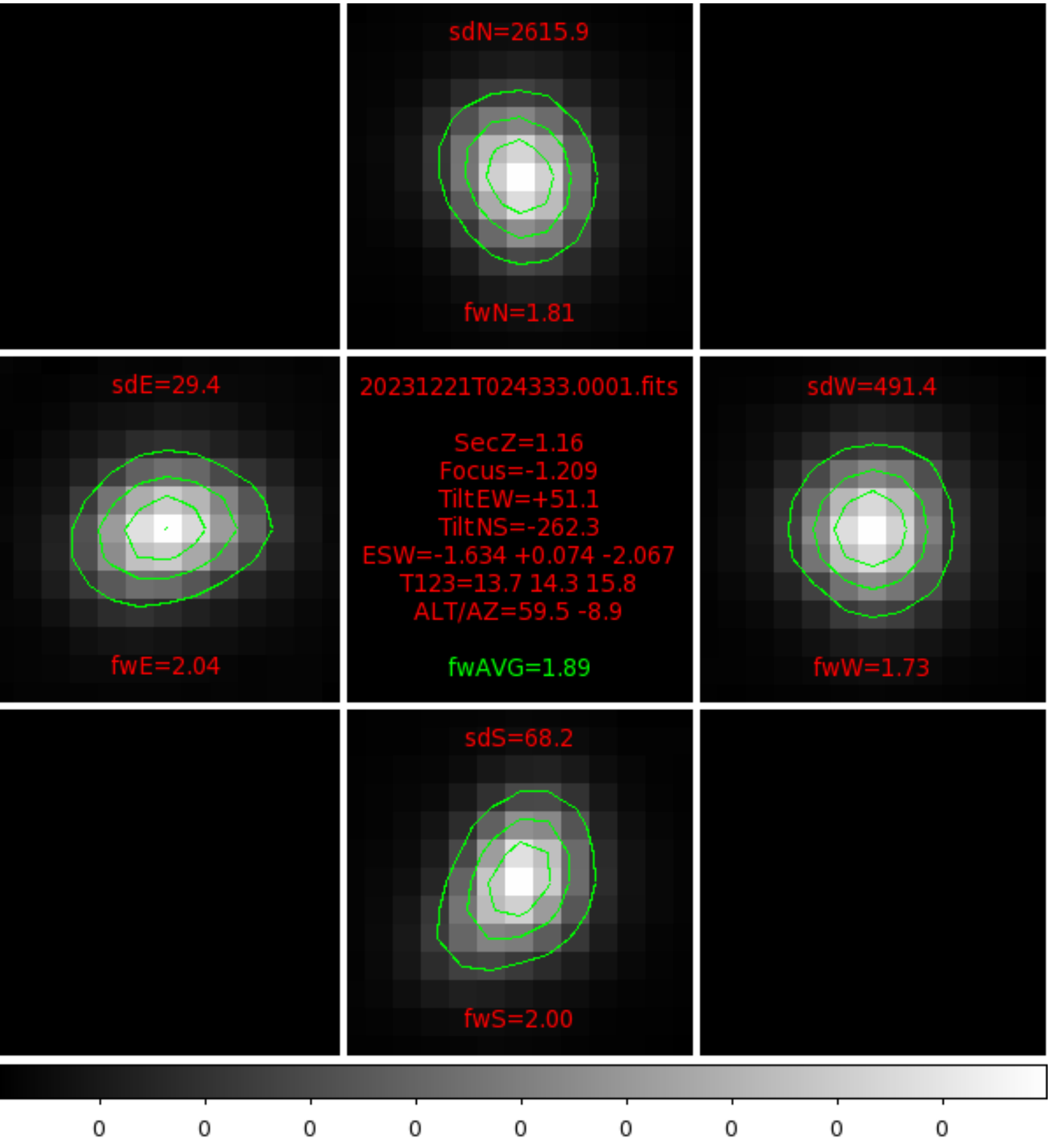
sdN=2615.9
fwN=1.81
sdE=29.4
fwE=2.04
20231221T024333.0001.fits
SecZ=1.16
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.3 15.8
ALT/AZ=59.5 -8.9
fwAVG=1.89
sdW=491.4
fwW=1.73
sdS=68.2
fwS=2.00
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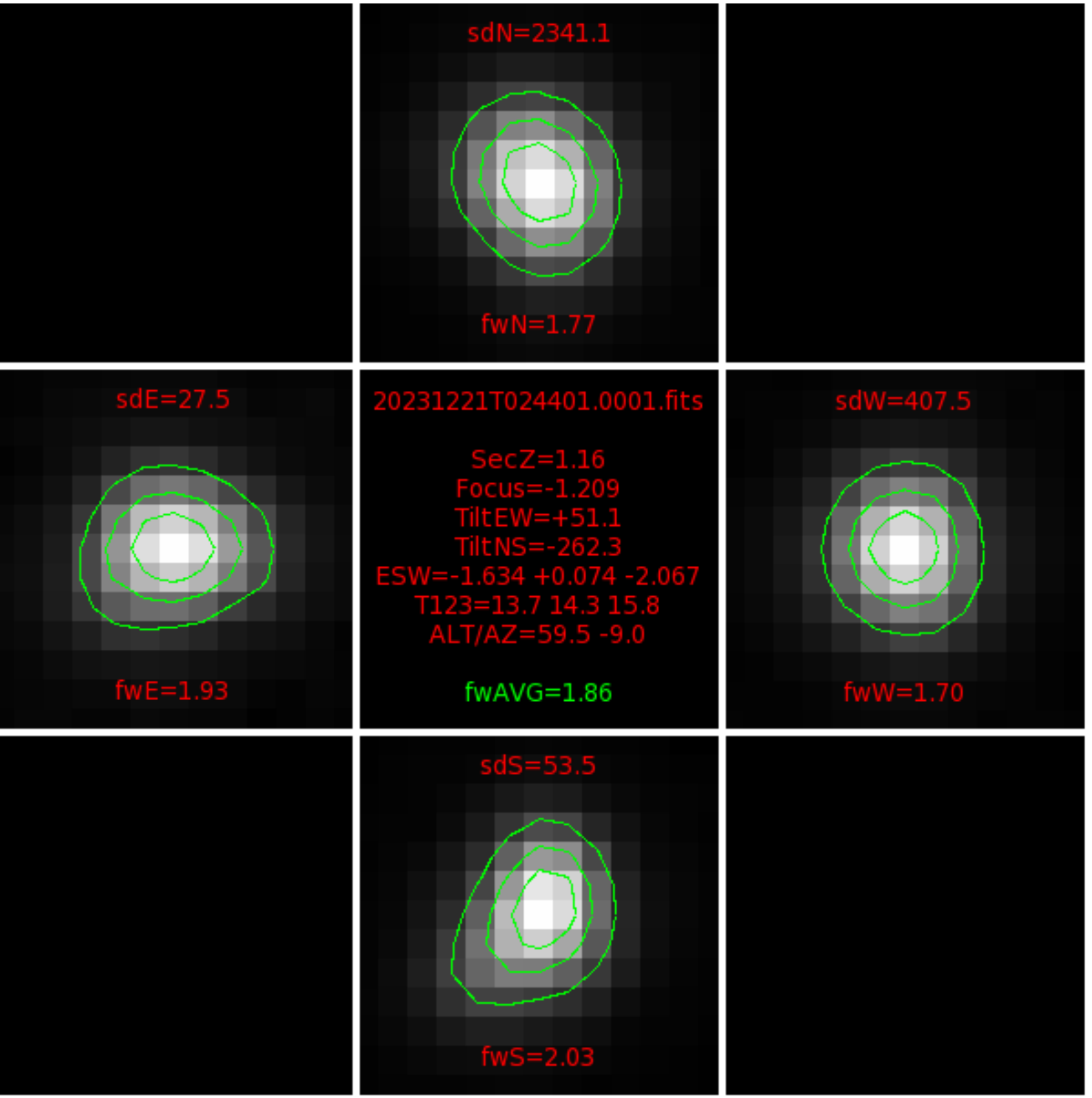
sdN=2341.1
fwN=1.77
sdE=27.5
fwE=1.93
20231221T024401.0001.fits
SecZ=1.16
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.3 15.8
ALT/AZ=59.5 -9.0
fwAVG=1.86
sdW=407.5
fwW=1.70
sdS=53.5
fwS=2.03
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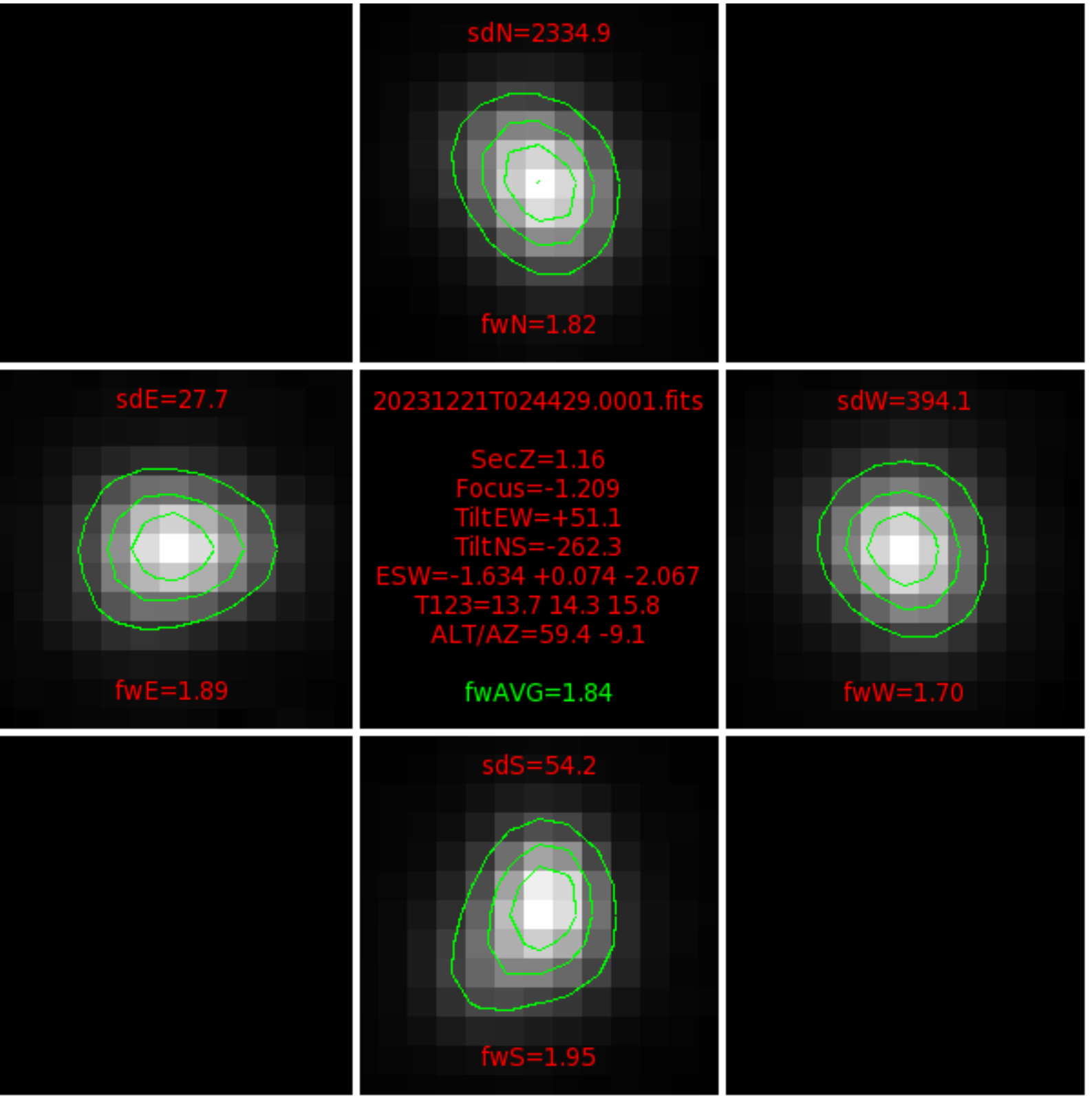
sdN=2334.9
fwN=1.82
sdE=27.7
fwE=1.89
20231221T024429.0001.fits
SecZ=1.16
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.3 15.8
ALT/AZ=59.4 -9.1
fwAVG=1.84
sdW=394.1
fwW=1.70
sdS=54.2
fwS=1.95
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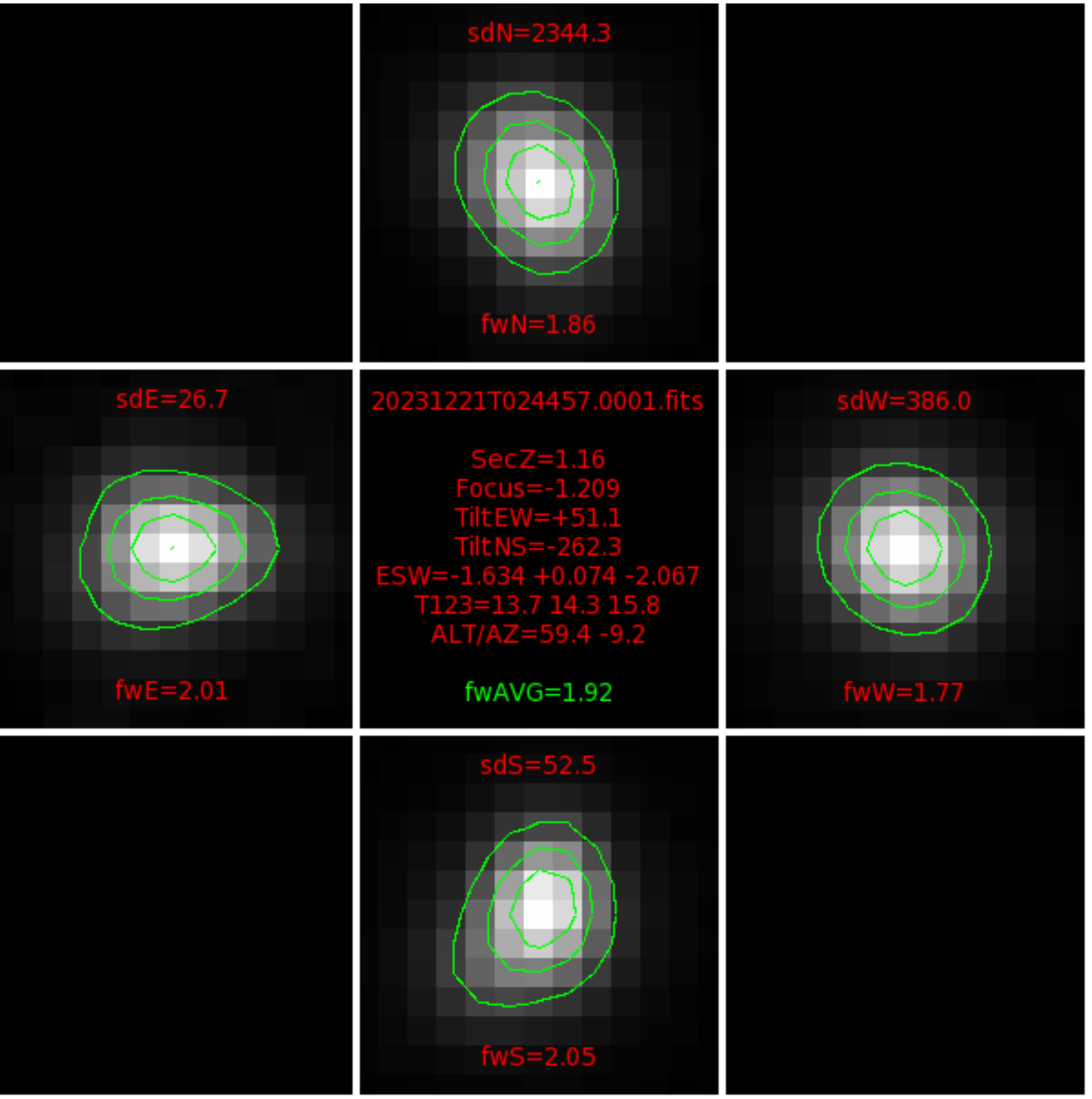
sdN=2344.3
fwN=1.86
sdE=26.7
fwE=2.01
20231221T024457.0001.fits
SecZ=1.16
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.3 15.8
ALT/AZ=59.4 -9.2
fwAVG=1.92
sdW=386.0
fwW=1.77
sdS=52.5
fwS=2.05
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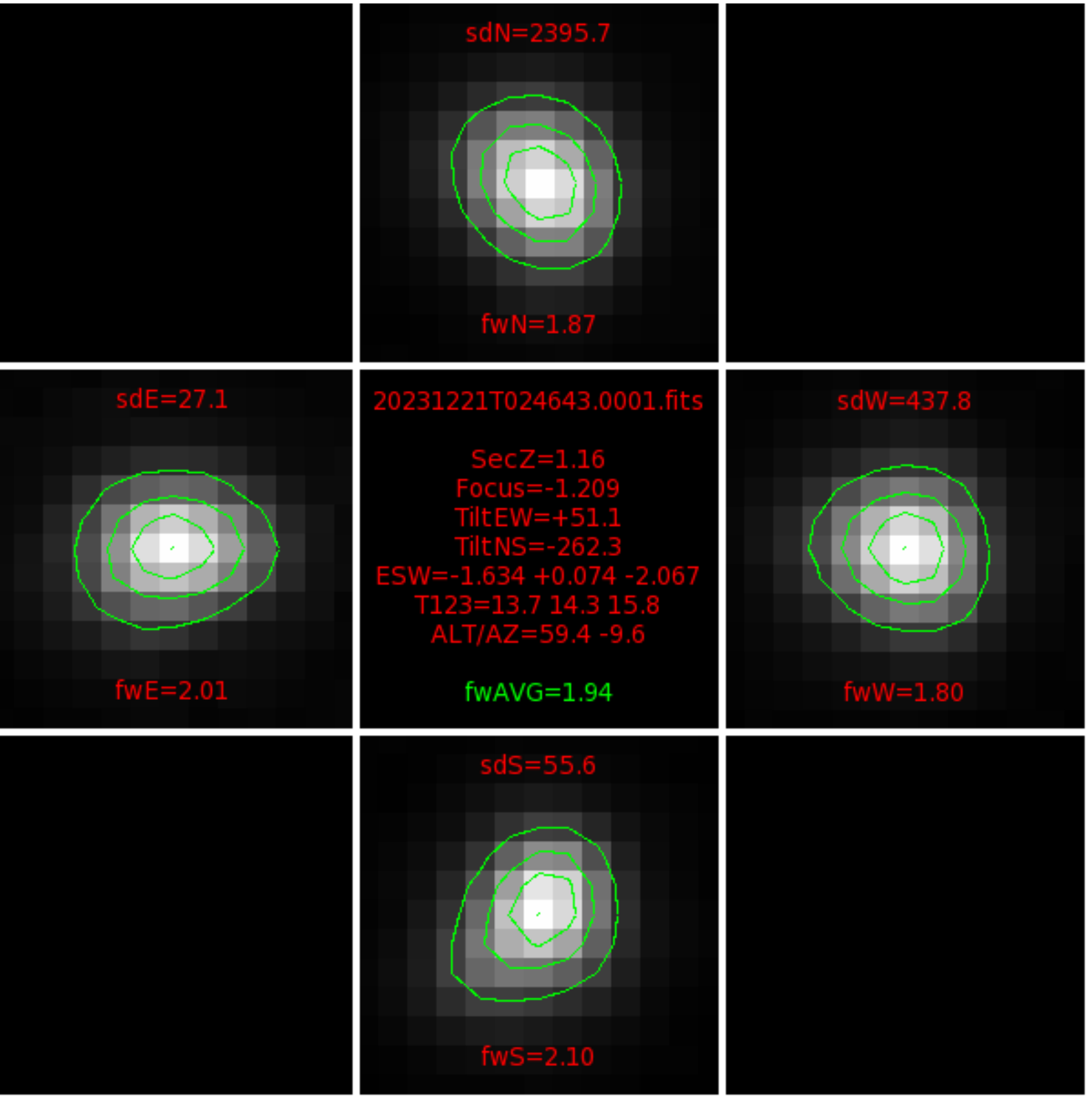
sdN=2395.7
fwN=1.87
sdE=27.1
fwE=2.01
20231221T024643.0001.fits
SecZ=1.16
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.3 15.8
ALT/AZ=59.4 -9.6
fwAVG=1.94
sdW=437.8
fwW=1.80
sdS=55.6
fwS=2.10
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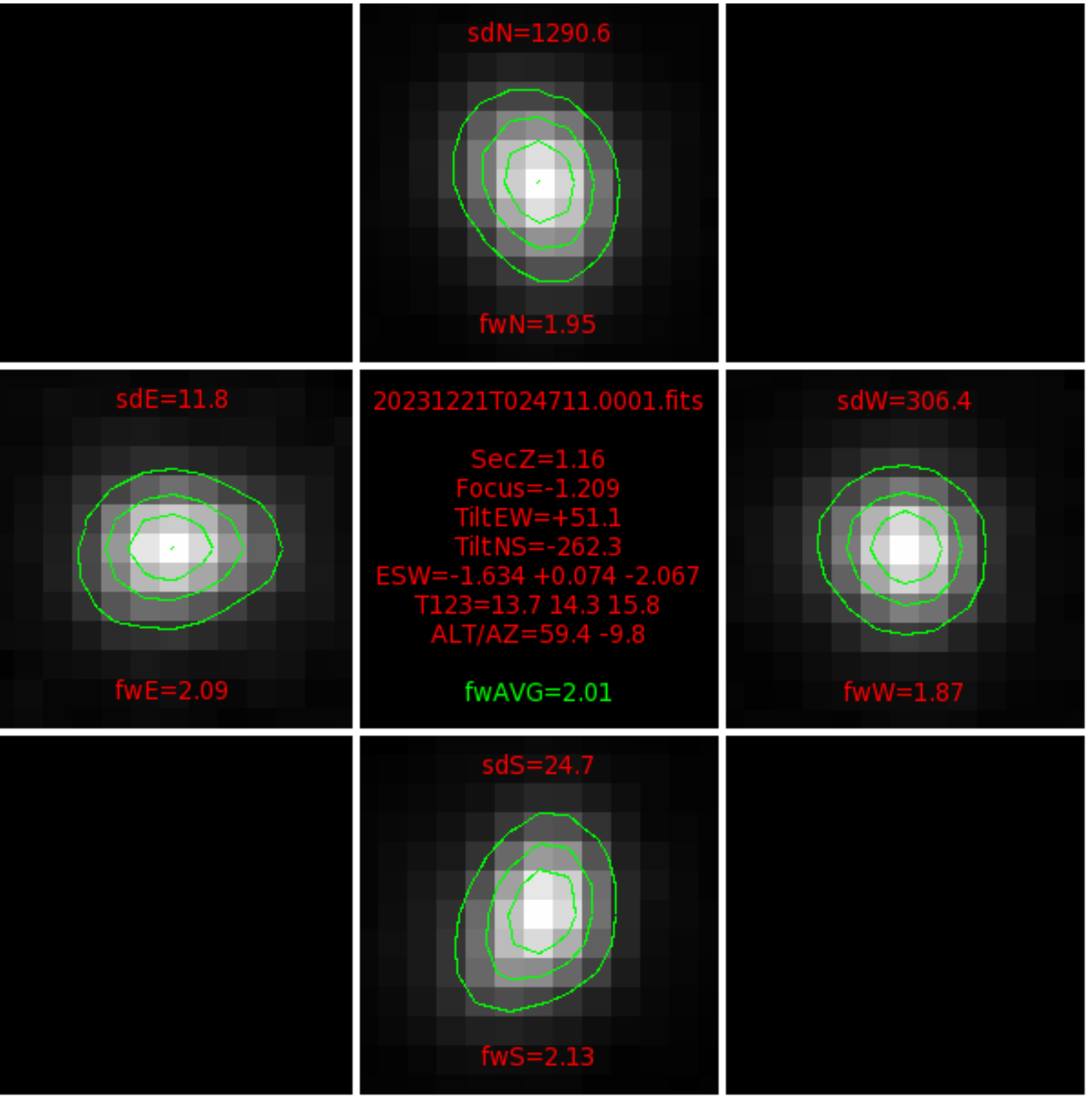
sdN=1290.6
fwN=1.95
sdE=11.8
fwE=2.09
20231221T024711.0001.fits
SecZ=1.16
Focus=-1.209
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.634 +0.074 -2.067
T123=13.7 14.3 15.8
ALT/AZ=59.4 -9.8
fwAVG=2.01
sdW=306.4
fwW=1.87
sdS=24.7
fwS=2.13
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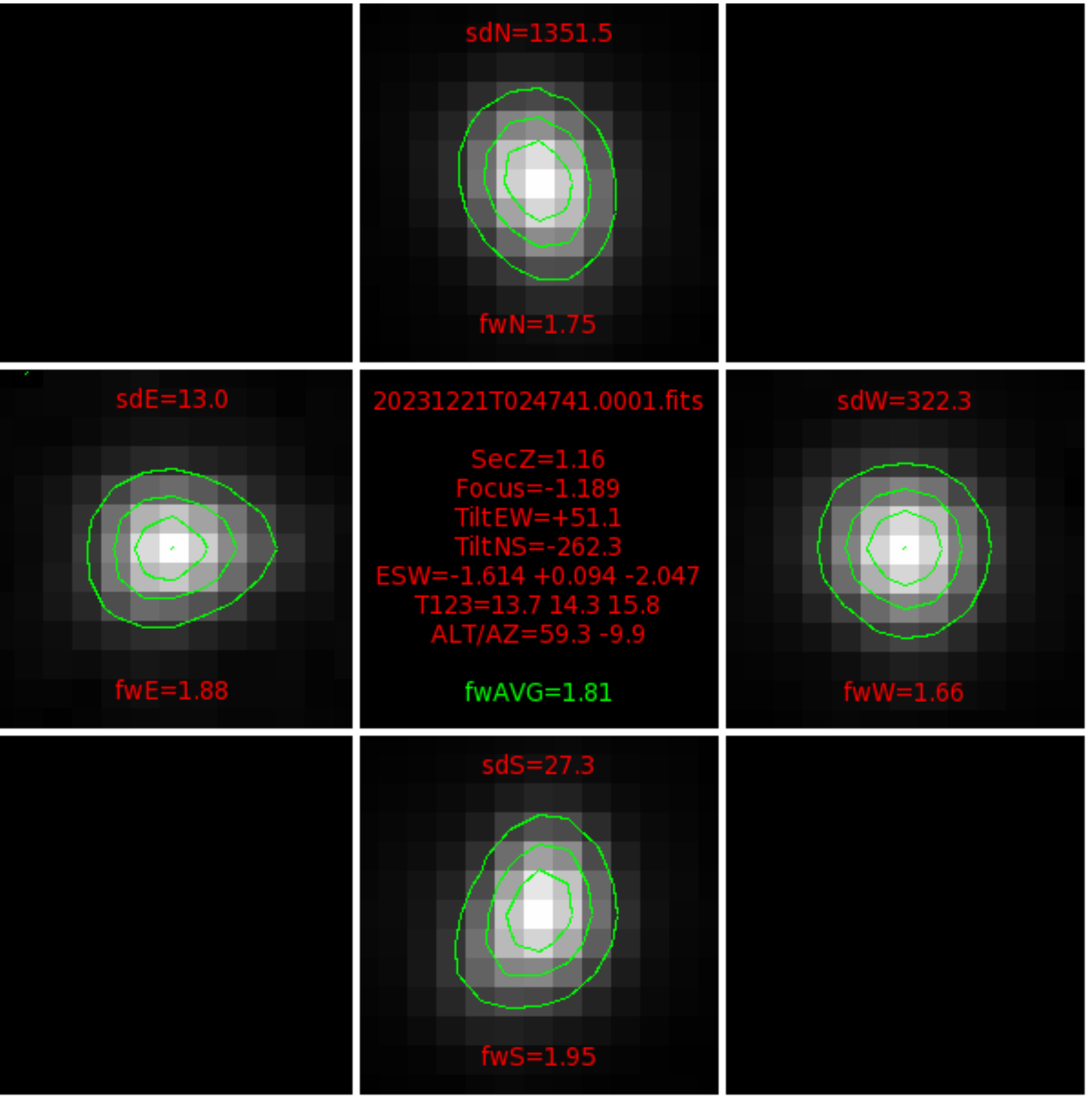
sdN=1351.5
fwN=1.75
sdE=13.0
fwE=1.88
20231221T024741.0001.fits
SecZ=1.16
Focus=-1.189
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.614 +0.094 -2.047
T123=13.7 14.3 15.8
ALT/AZ=59.3 -9.9
fwAVG=1.81
sdW=322.3
fwW=1.66
sdS=27.3
fwS=1.95
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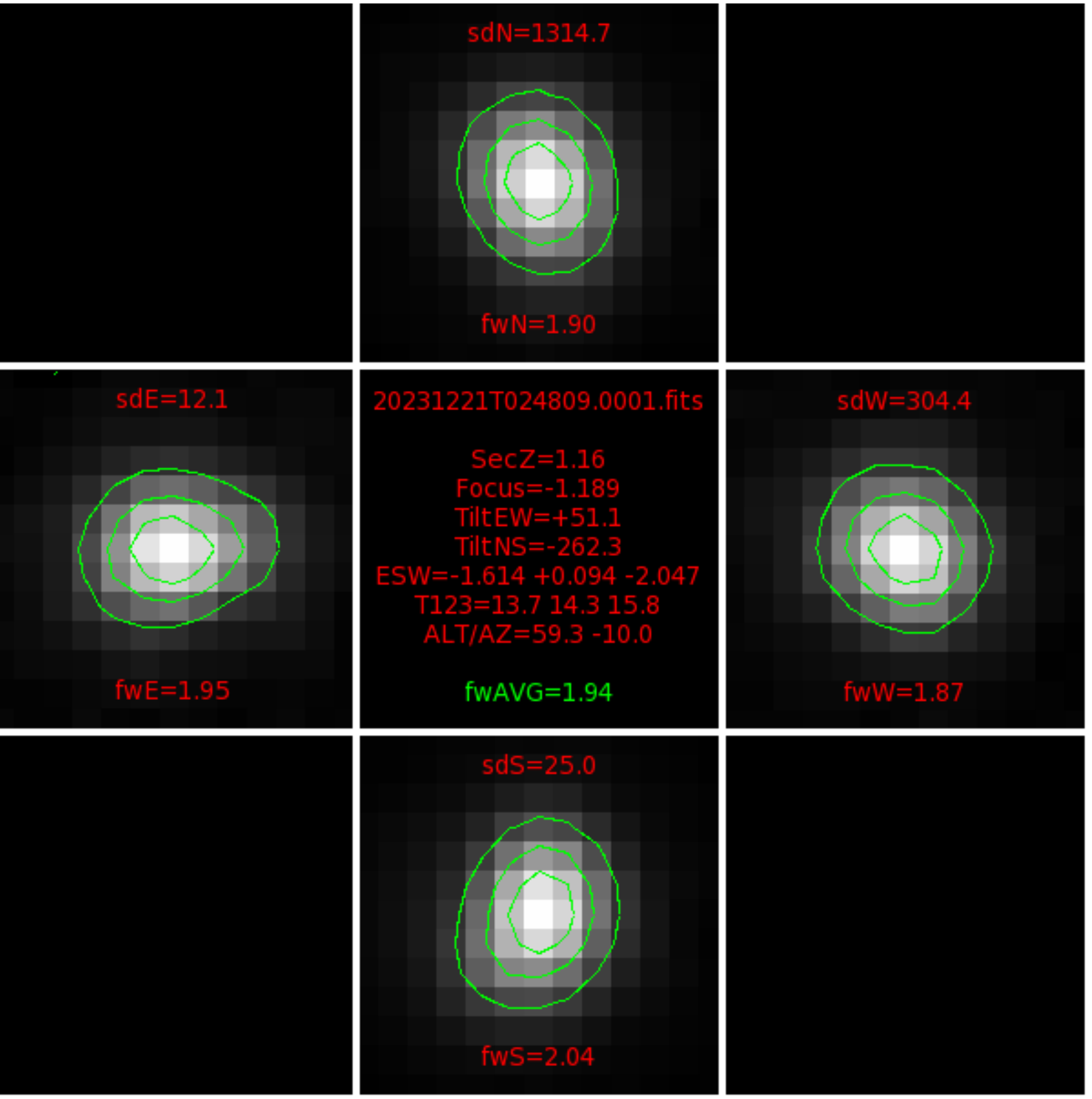
sdN=1314.7
fwN=1.90
sdE=12.1
fwE=1.95
20231221T024809.0001.fits
SecZ=1.16
Focus=-1.189
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.614 +0.094 -2.047
T123=13.7 14.3 15.8
ALT/AZ=59.3 -10.0
fwAVG=1.94
sdW=304.4
fwW=1.87
sdS=25.0
fwS=2.04
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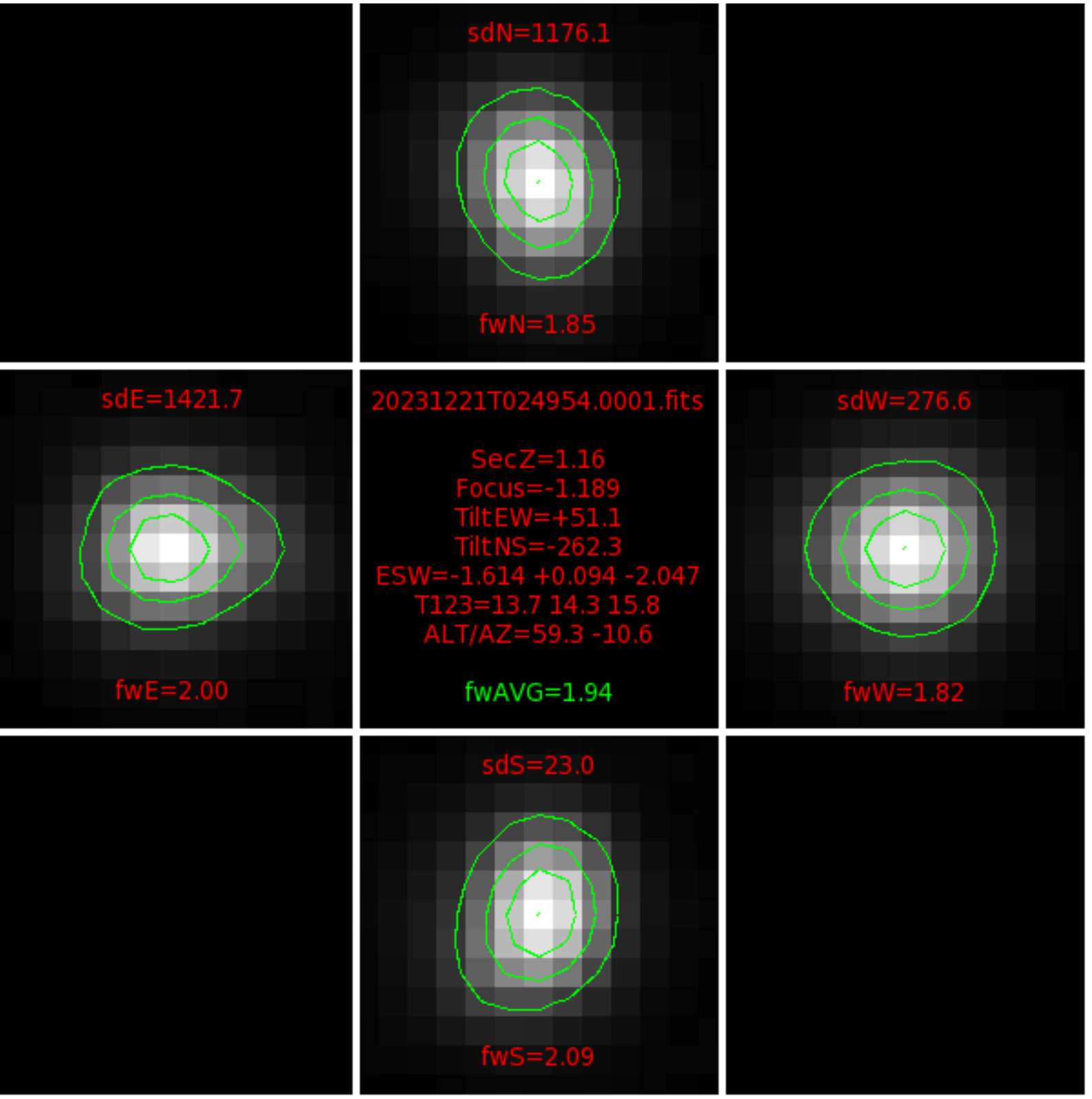
sdN=1176.1
fwN=1.85
sdE=1421.7
fwE=2.00
20231221T024954.0001.fits
SecZ=1.16
Focus=-1.189
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.614 +0.094 -2.047
T123=13.7 14.3 15.8
ALT/AZ=59.3 -10.6
fwAVG=1.94
sdW=276.6
fwW=1.82
sdS=23.0
fwS=2.09
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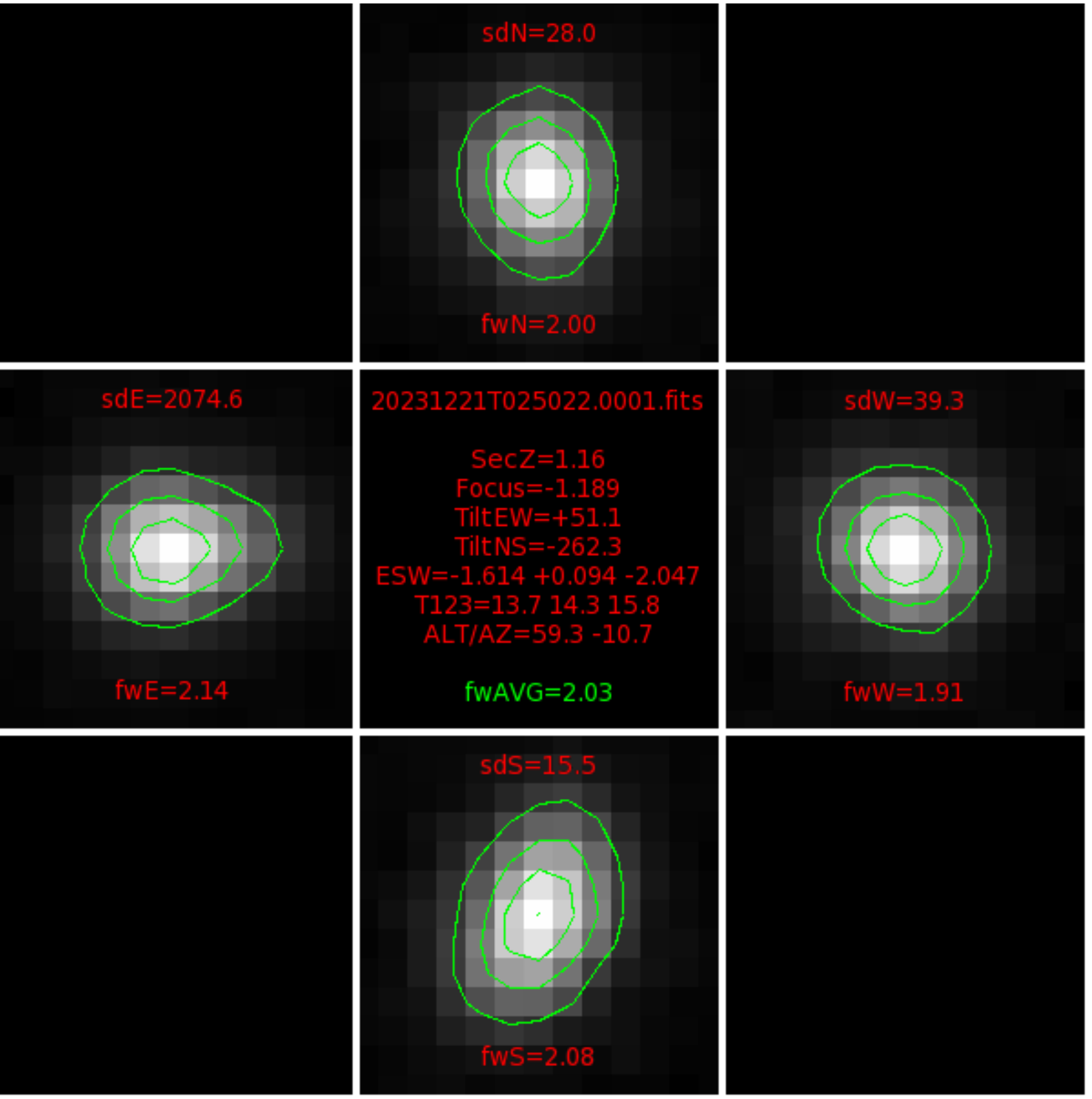
sdN=28.0
fwN=2.00
sdE=2074.6
fwE=2.14
20231221T025022.0001.fits
SecZ=1.16
Focus=-1.189
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.614 +0.094 -2.047
T123=13.7 14.3 15.8
ALT/AZ=59.3 -10.7
fwAVG=2.03
sdW=39.3
fwW=1.91
sdS=15.5
fwS=2.08
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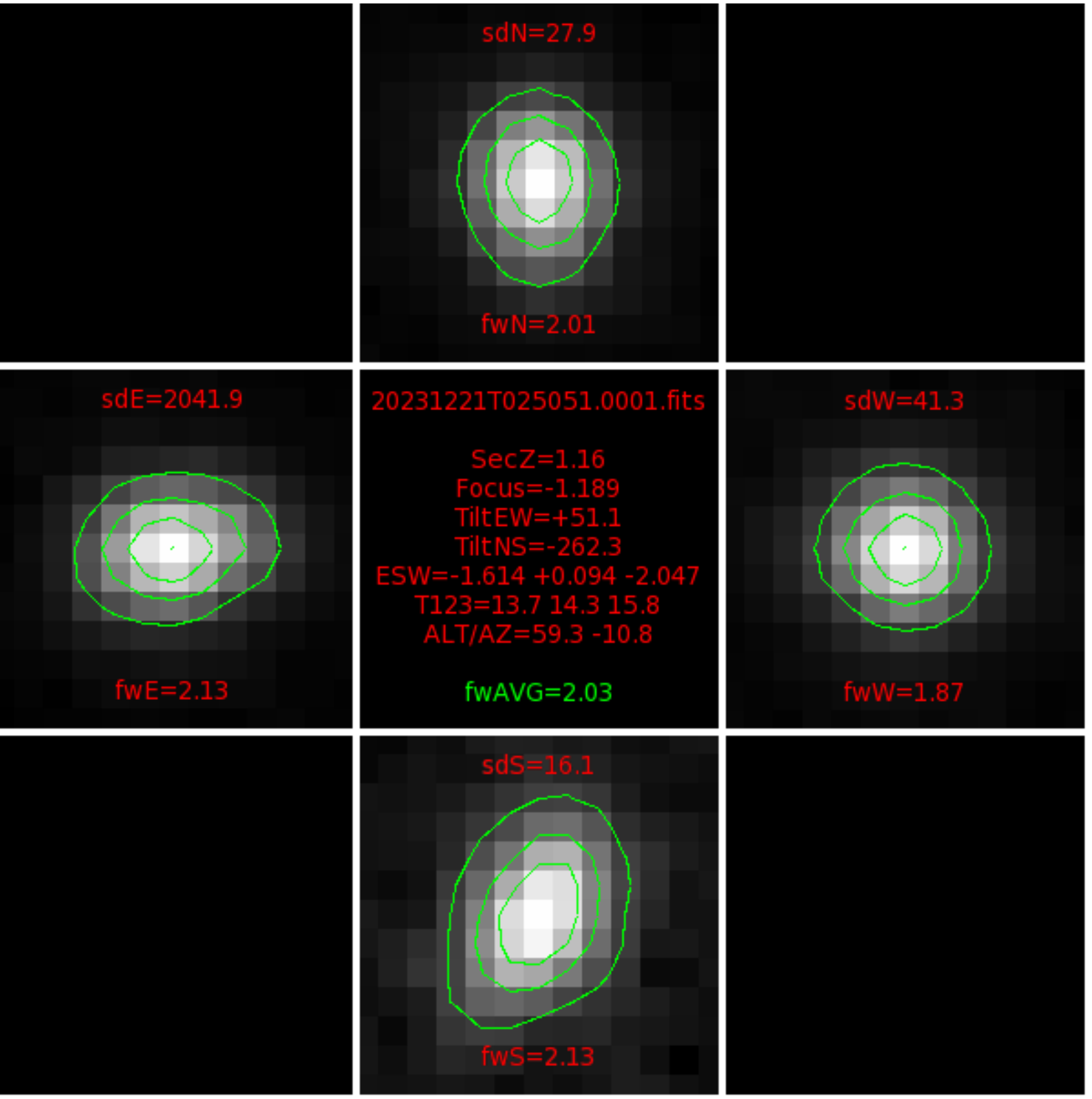
sdN=27.9
fwN=2.01
sdE=2041.9
fwE=2.13
20231221T025051.0001.fits
SecZ=1.16
Focus=-1.189
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.614 +0.094 -2.047
T123=13.7 14.3 15.8
ALT/AZ=59.3 -10.8
fwAVG=2.03
sdW=41.3
fwW=1.87
sdS=16.1
fwS=2.13
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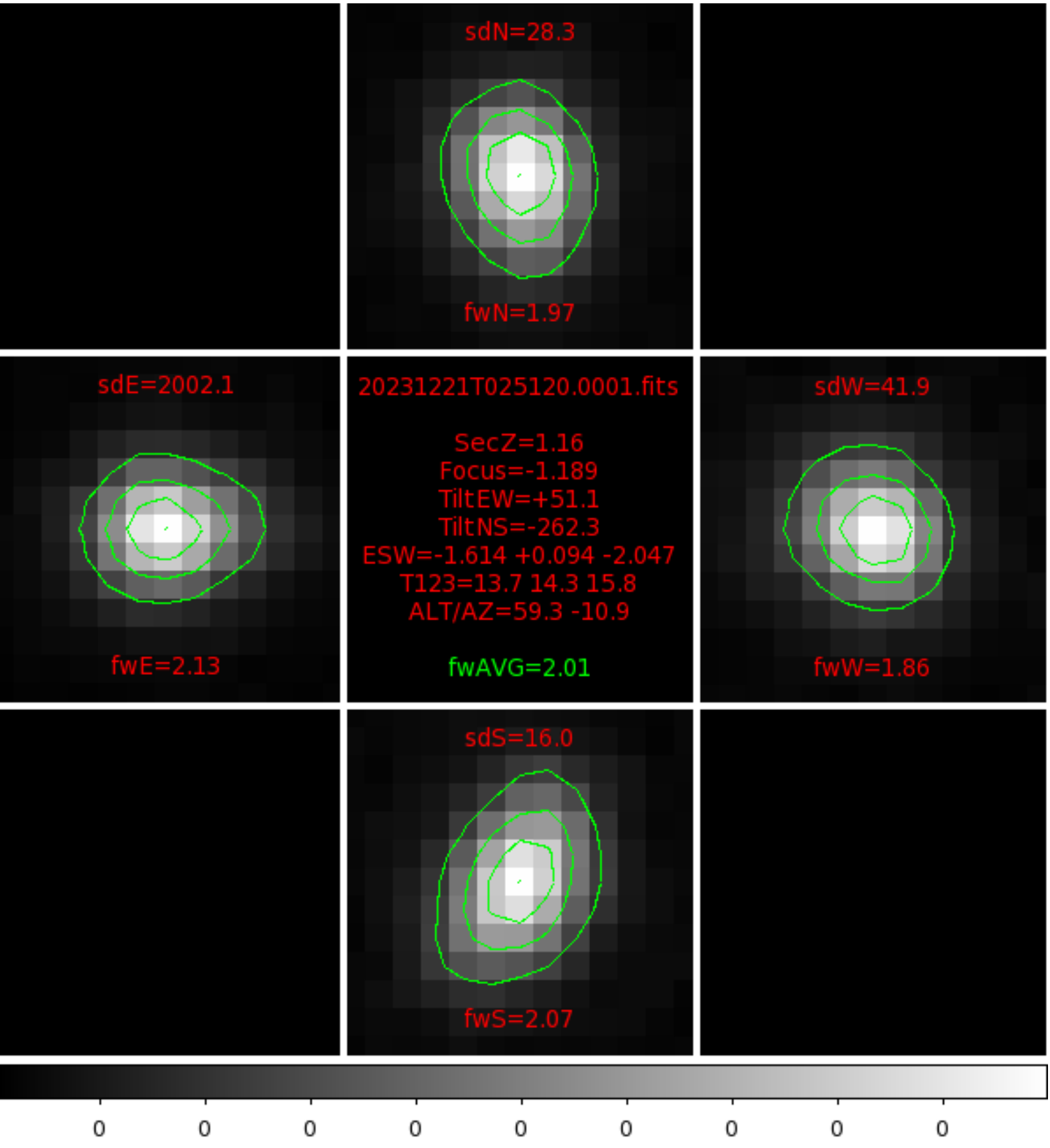
sdN=28.3
fwN=1.97
sdE=2002.1
fwE=2.13
20231221T025120.0001.fits
SecZ=1.16
Focus=-1.189
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.614 +0.094 -2.047
T123=13.7 14.3 15.8
ALT/AZ=59.3 -10.9
fwAVG=2.01
sdW=41.9
fwW=1.86
sdS=16.0
fwS=2.07
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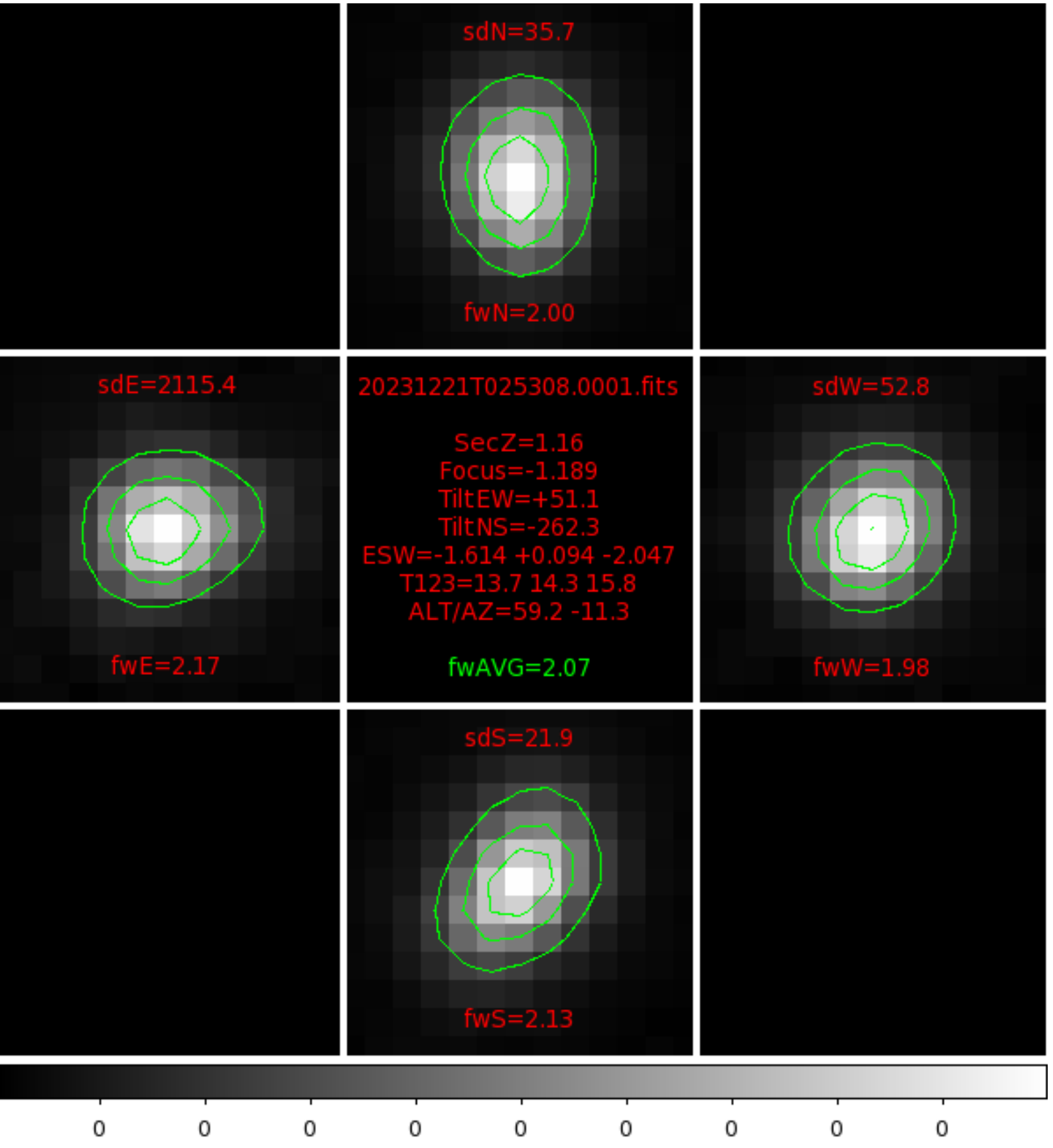
sdN=35.7
fwN=2.00
sdE=2115.4
fwE=2.17
20231221T025308.0001.fits
SecZ=1.16
Focus=-1.189
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.614 +0.094 -2.047
T123=13.7 14.3 15.8
ALT/AZ=59.2 -11.3
fwAVG=2.07
sdW=52.8
fwW=1.98
sdS=21.9
fwS=2.13
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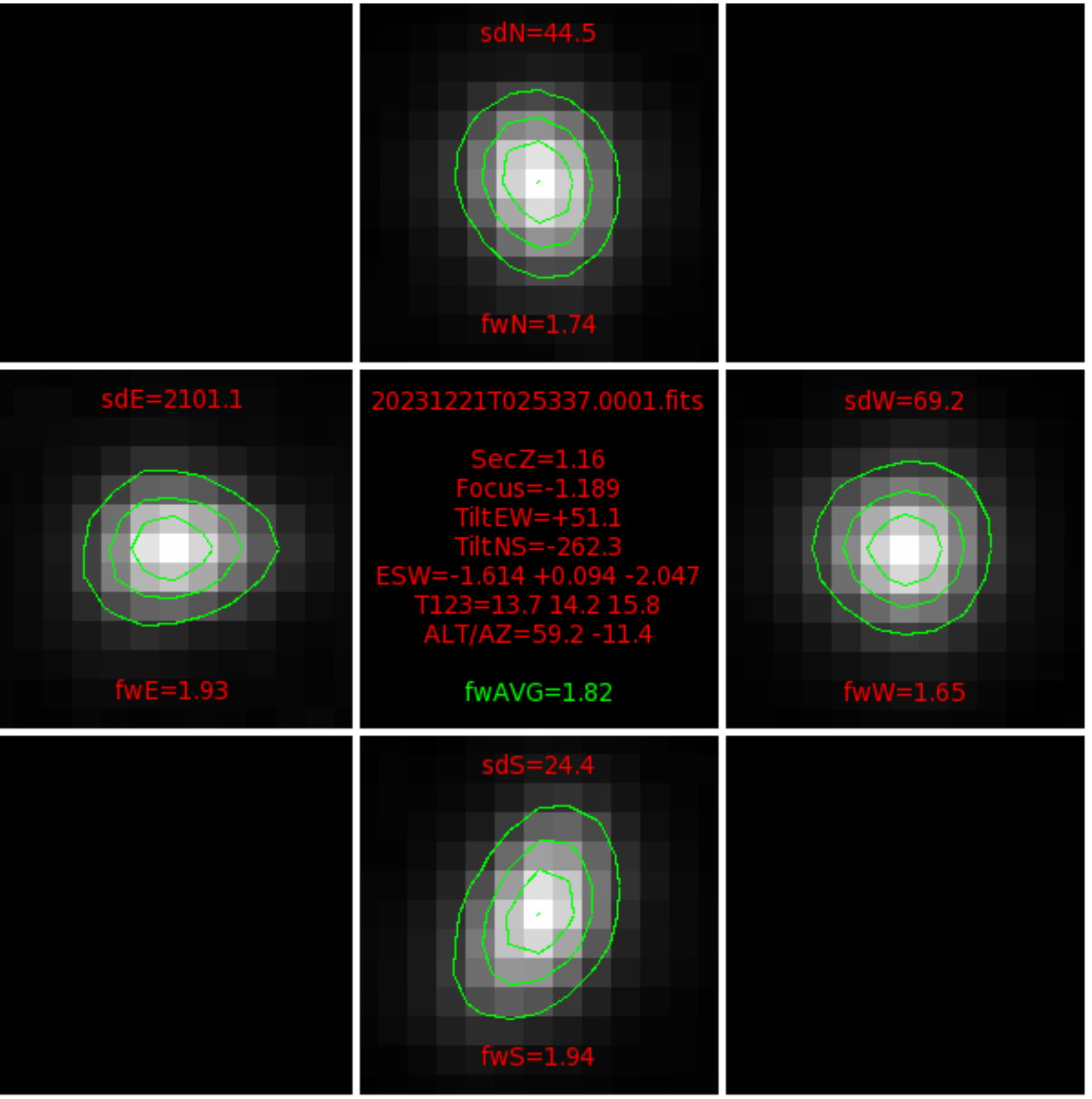
sdN=44.5
fwN=1.74
sdE=2101.1
fwE=1.93
20231221T025337.0001.fits
SecZ=1.16
Focus=-1.189
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.614 +0.094 -2.047
T123=13.7 14.2 15.8
ALT/AZ=59.2 -11.4
fwAVG=1.82
sdW=69.2
fwW=1.65
sdS=24.4
fwS=1.94
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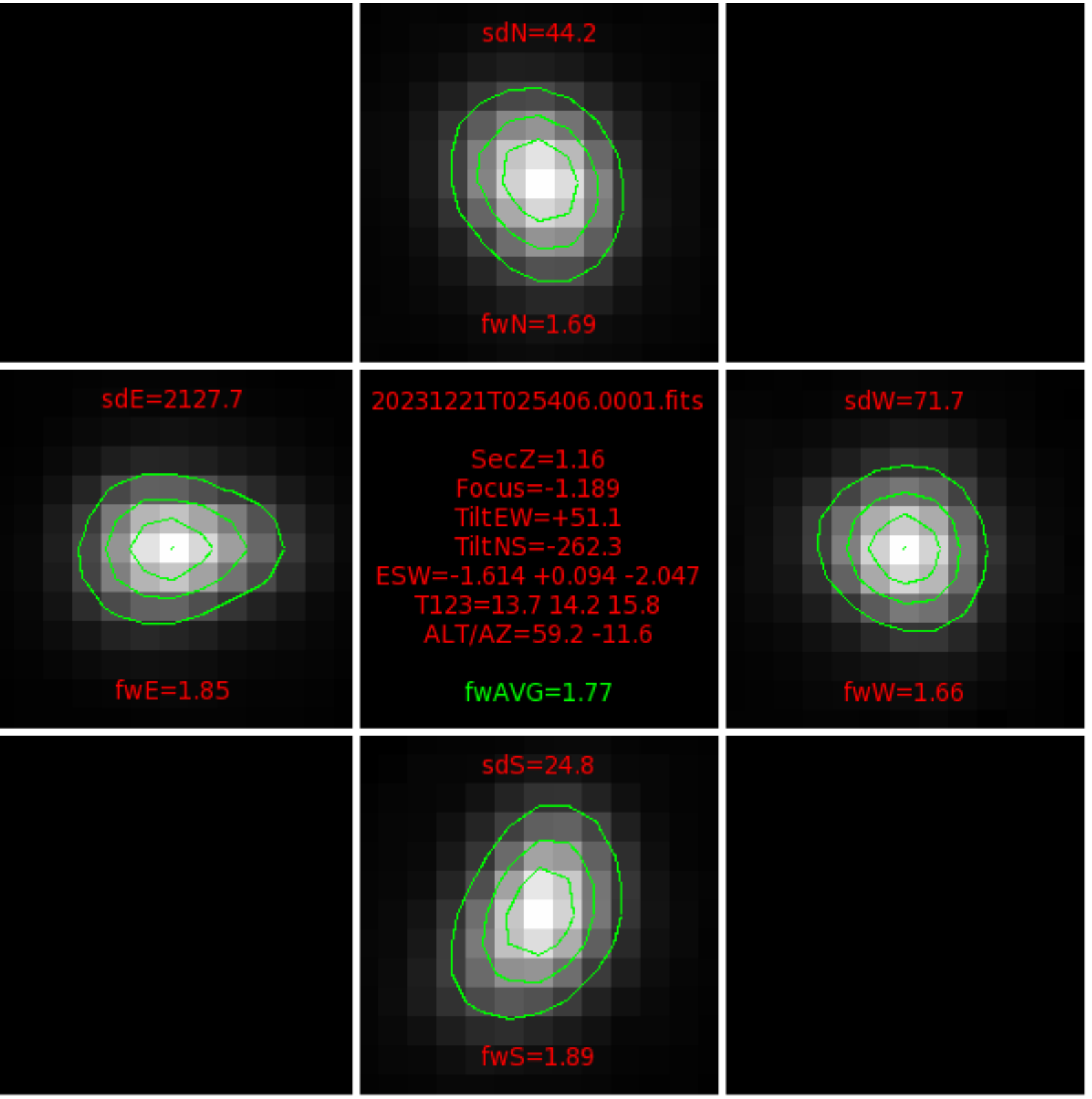
sdN=44.2
fwN=1.69
sdE=2127.7
fwE=1.85
20231221T025406.0001.fits
SecZ=1.16
Focus=-1.189
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.614 +0.094 -2.047
T123=13.7 14.2 15.8
ALT/AZ=59.2 -11.6
fwAVG=1.77
sdW=71.7
fwW=1.66
sdS=24.8
fwS=1.89
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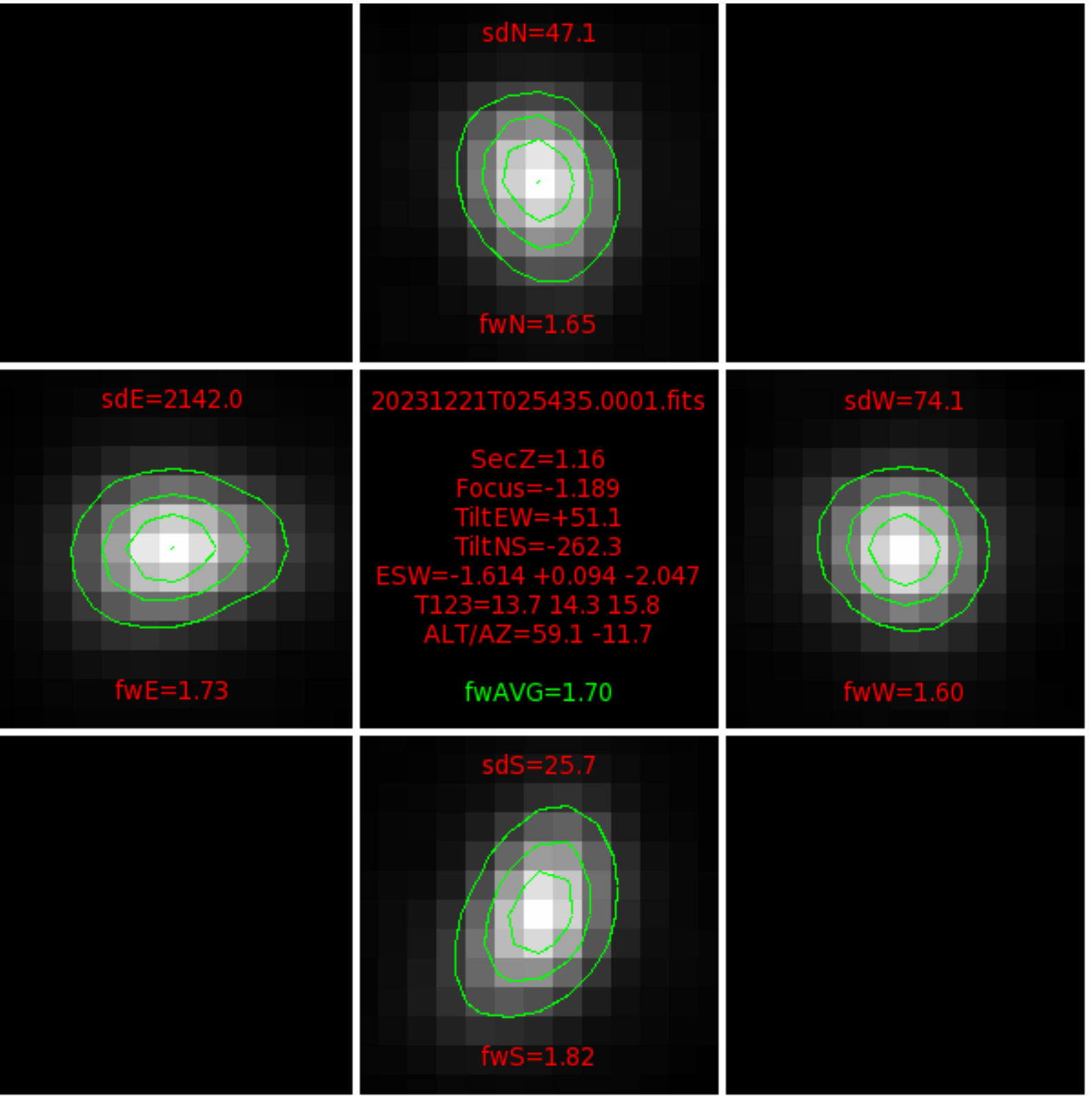
sdN=47.1
fwN=1.65
sdE=2142.0
fwE=1.73
20231221T025435.0001.fits
SecZ=1.16
Focus=-1.189
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.614 +0.094 -2.047
T123=13.7 14.3 15.8
ALT/AZ=59.1 -11.7
fwAVG=1.70
sdW=74.1
fwW=1.60
sdS=25.7
fwS=1.82
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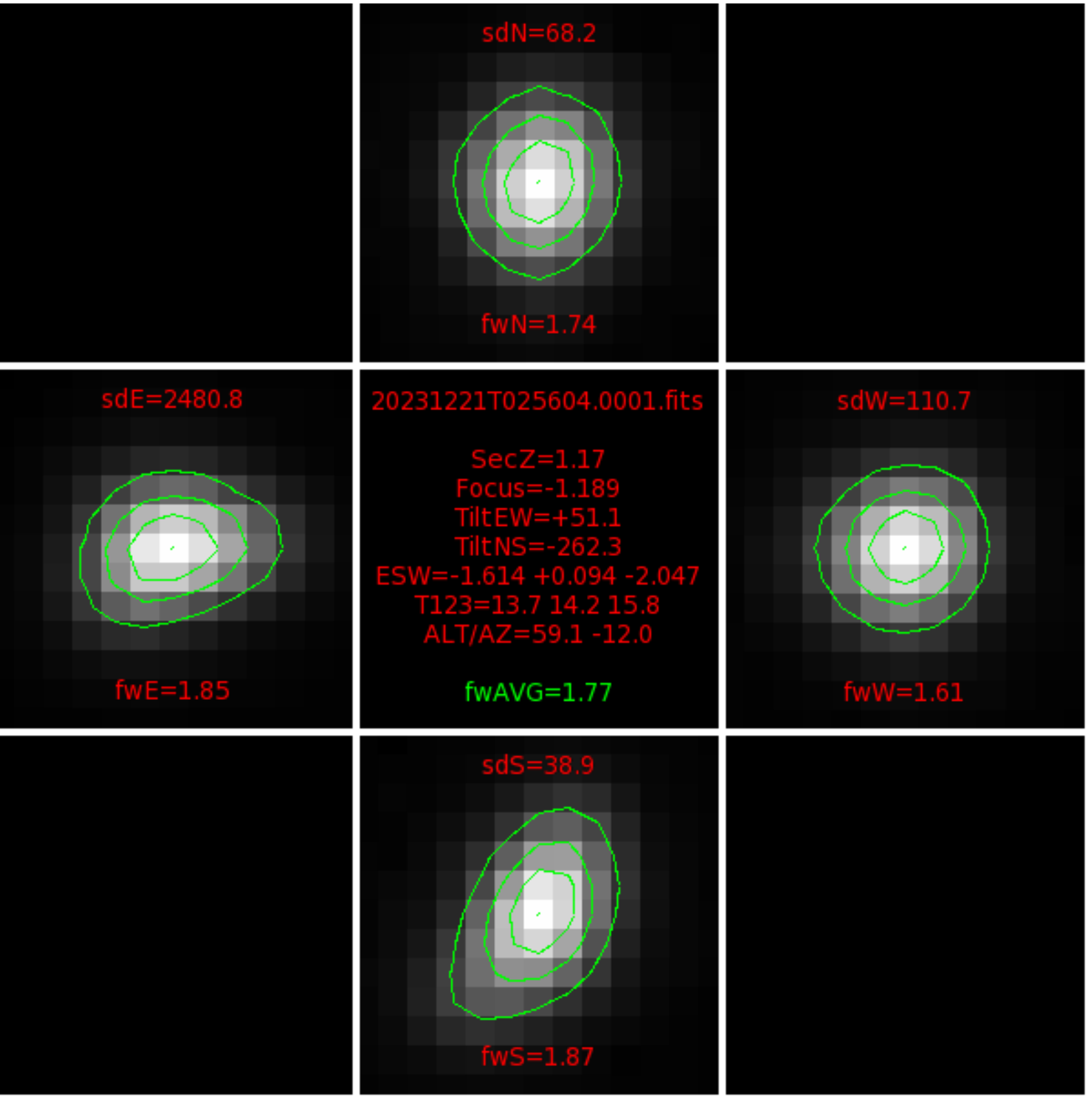
sdN=68.2
fwN=1.74
sdE=2480.8
fwE=1.85
20231221T025604.0001.fits
SecZ=1.17
Focus=-1.189
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.614 +0.094 -2.047
T123=13.7 14.2 15.8
ALT/AZ=59.1 -12.0
fwAVG=1.77
sdW=110.7
fwW=1.61
sdS=38.9
fwS=1.87
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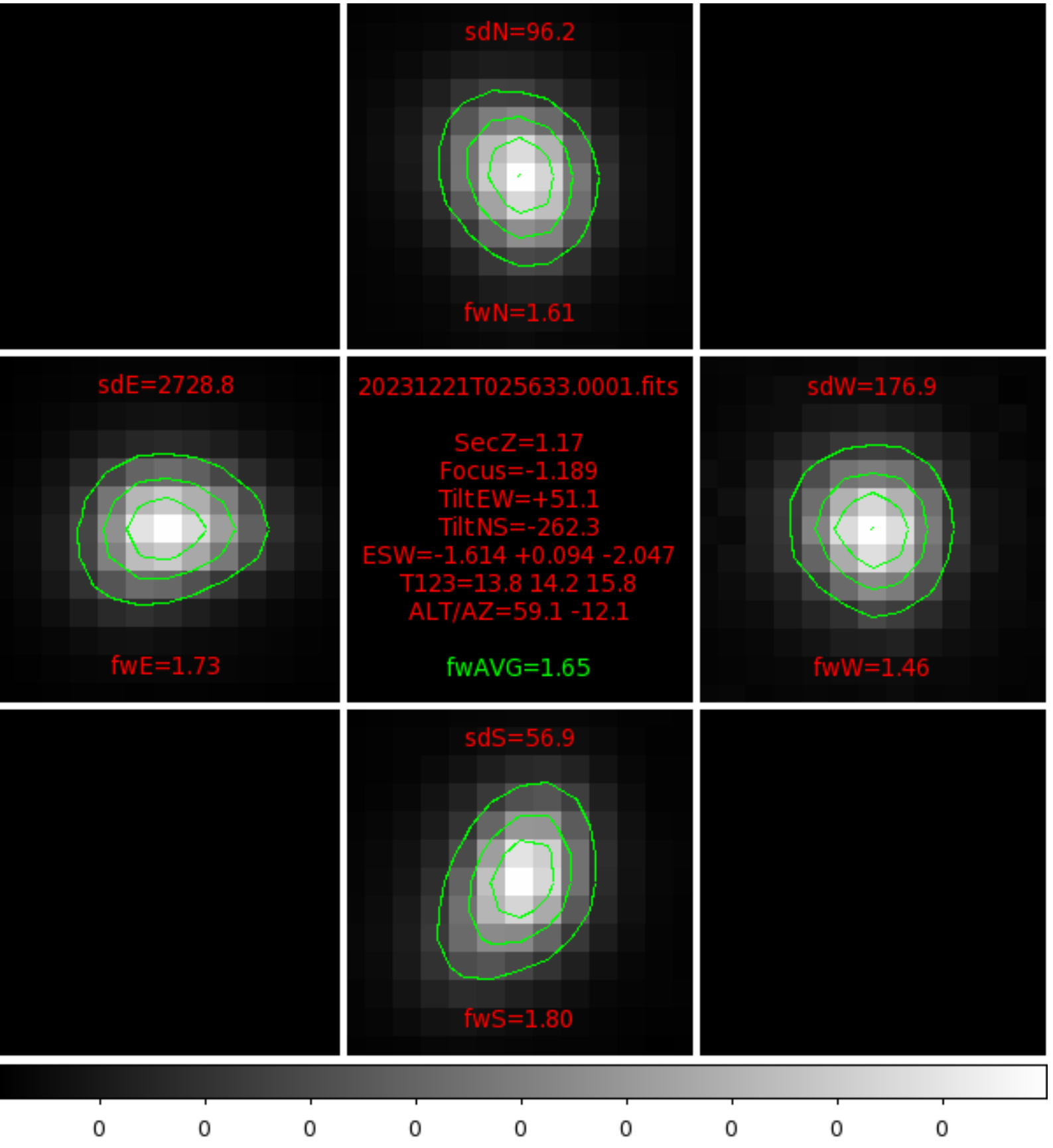
sdN=96.2
fwN=1.61
sdE=2728.8
fwE=1.73
20231221T025633.0001.fits
SecZ=1.17
Focus=-1.189
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.614 +0.094 -2.047
T123=13.8 14.2 15.8
ALT/AZ=59.1 -12.1
fwAVG=1.65
sdW=176.9
fwW=1.46
sdS=56.9
fwS=1.80
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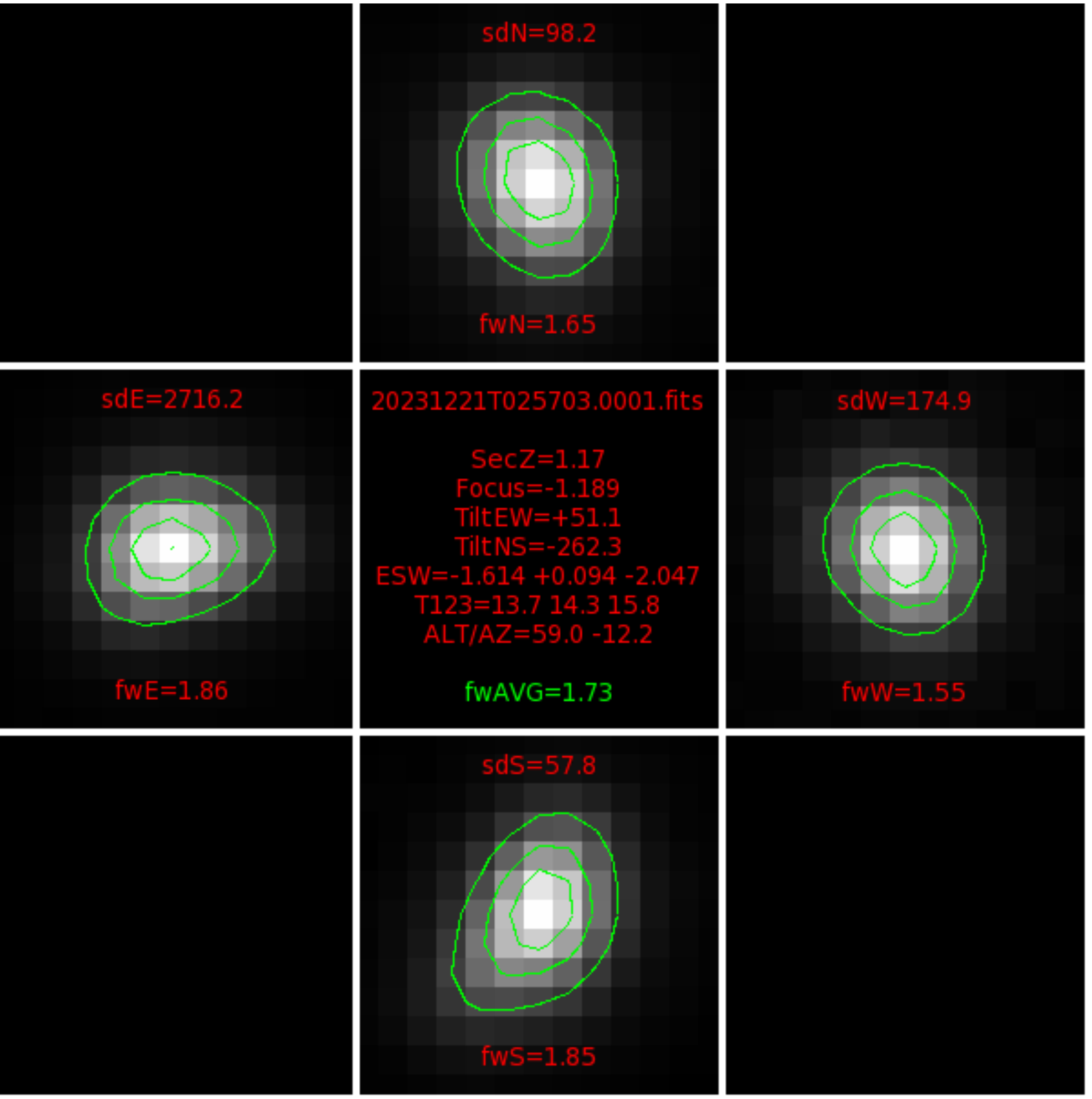
sdN=98.2
fwN=1.65
sdE=2716.2
fwE=1.86
20231221T025703.0001.fits
SecZ=1.17
Focus=-1.189
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.614 +0.094 -2.047
T123=13.7 14.3 15.8
ALT/AZ=59.0 -12.2
fwAVG=1.73
sdW=174.9
fwW=1.55
sdS=57.8
fwS=1.85
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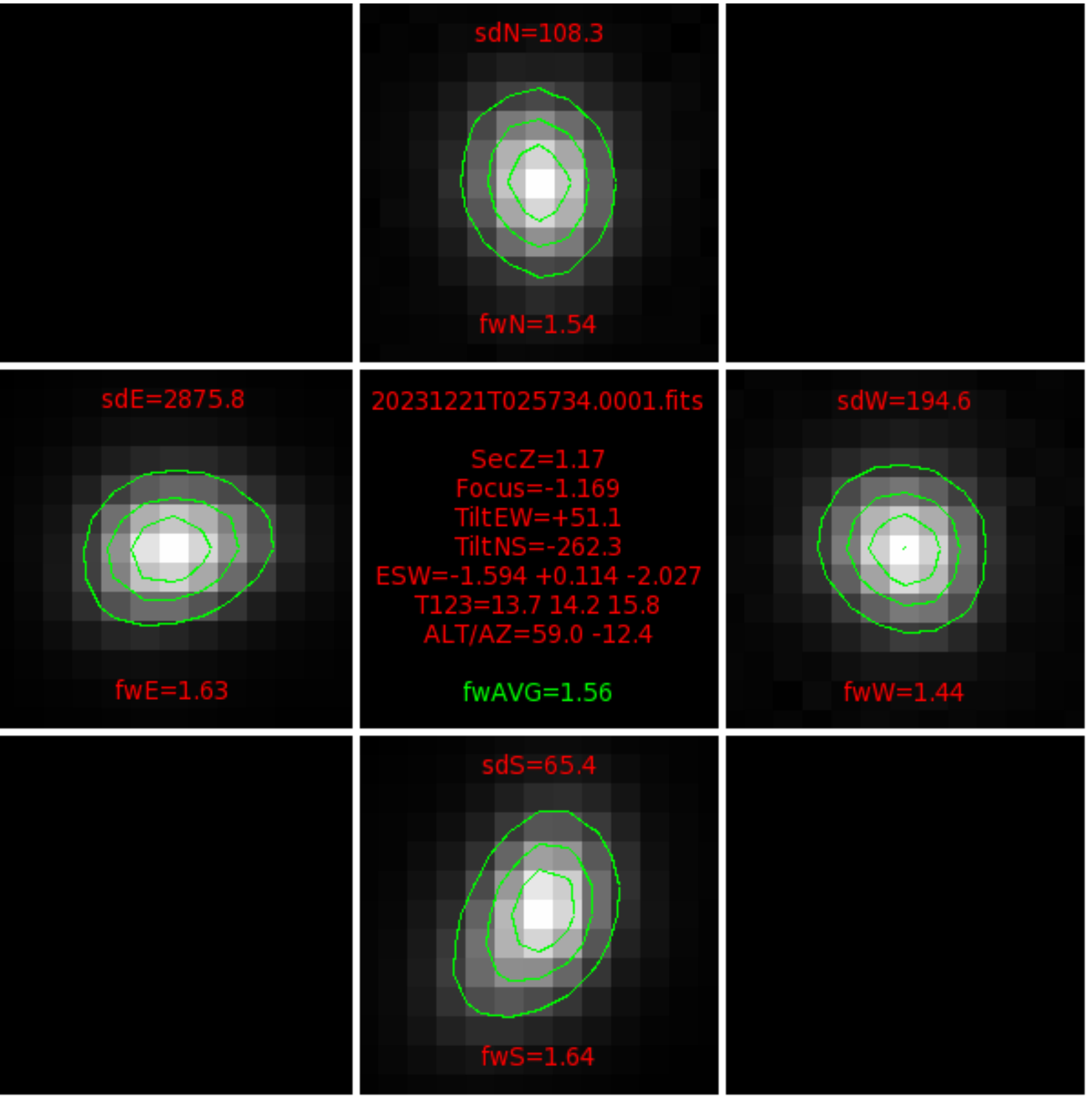
sdN=108.3
fwN=1.54
sdE=2875.8
fwE=1.63
20231221T025734.0001.fits
SecZ=1.17
Focus=-1.169
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.594 +0.114 -2.027
T123=13.7 14.2 15.8
ALT/AZ=59.0 -12.4
fwAVG=1.56
sdW=194.6
fwW=1.44
sdS=65.4
fwS=1.64
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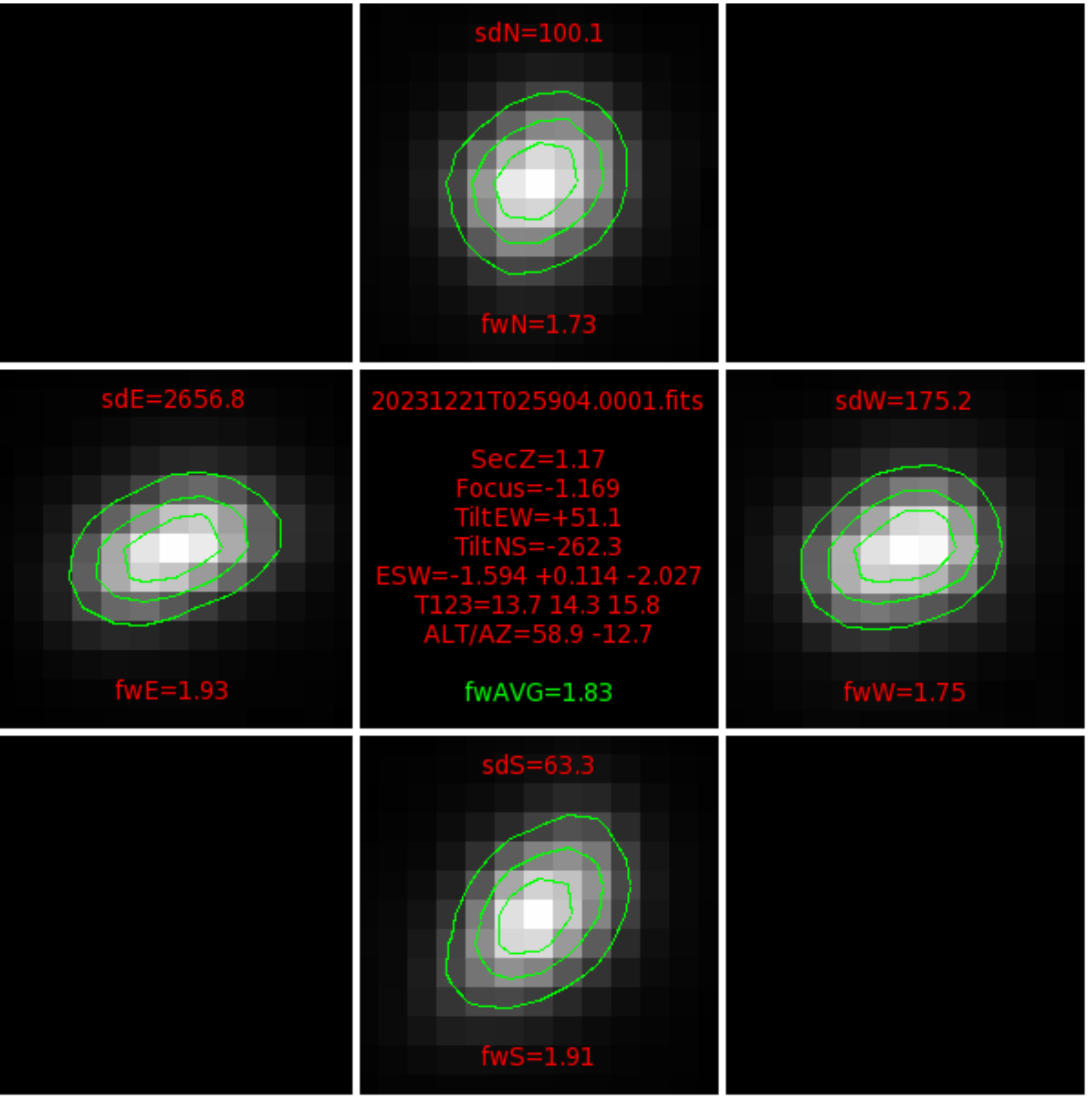
sdN=100.1
fwN=1.73
sdE=2656.8
fwE=1.93
20231221T025904.0001.fits
SecZ=1.17
Focus=-1.169
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.594 +0.114 -2.027
T123=13.7 14.3 15.8
ALT/AZ=58.9 -12.7
fwAVG=1.83
sdW=175.2
fwW=1.75
sdS=63.3
fwS=1.91
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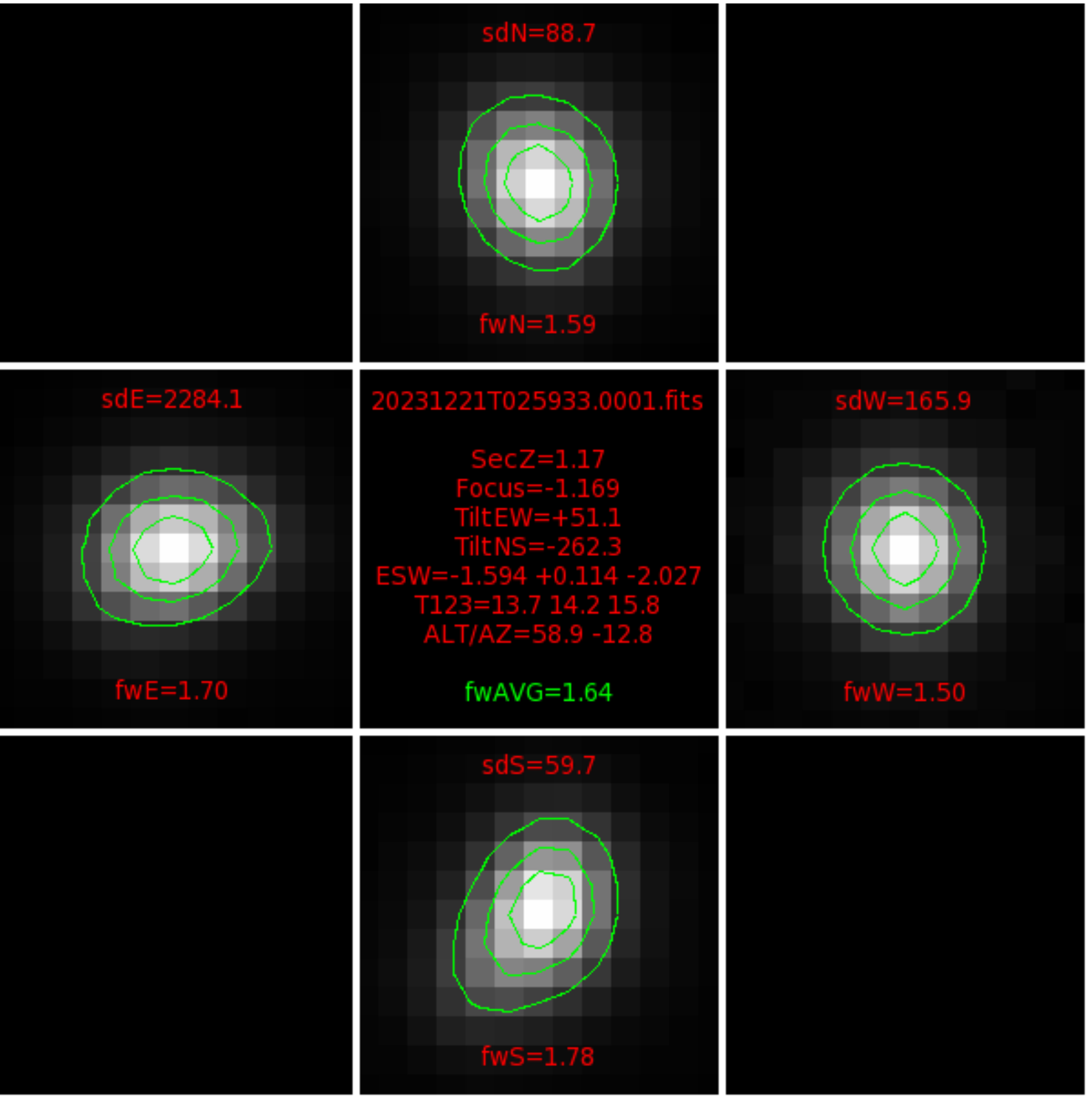
sdN=88.7
fwN=1.59
sdE=2284.1
fwE=1.70
20231221T025933.0001.fits
SecZ=1.17
Focus=-1.169
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.594 +0.114 -2.027
T123=13.7 14.2 15.8
ALT/AZ=58.9 -12.8
fwAVG=1.64
sdW=165.9
fwW=1.50
sdS=59.7
fwS=1.78
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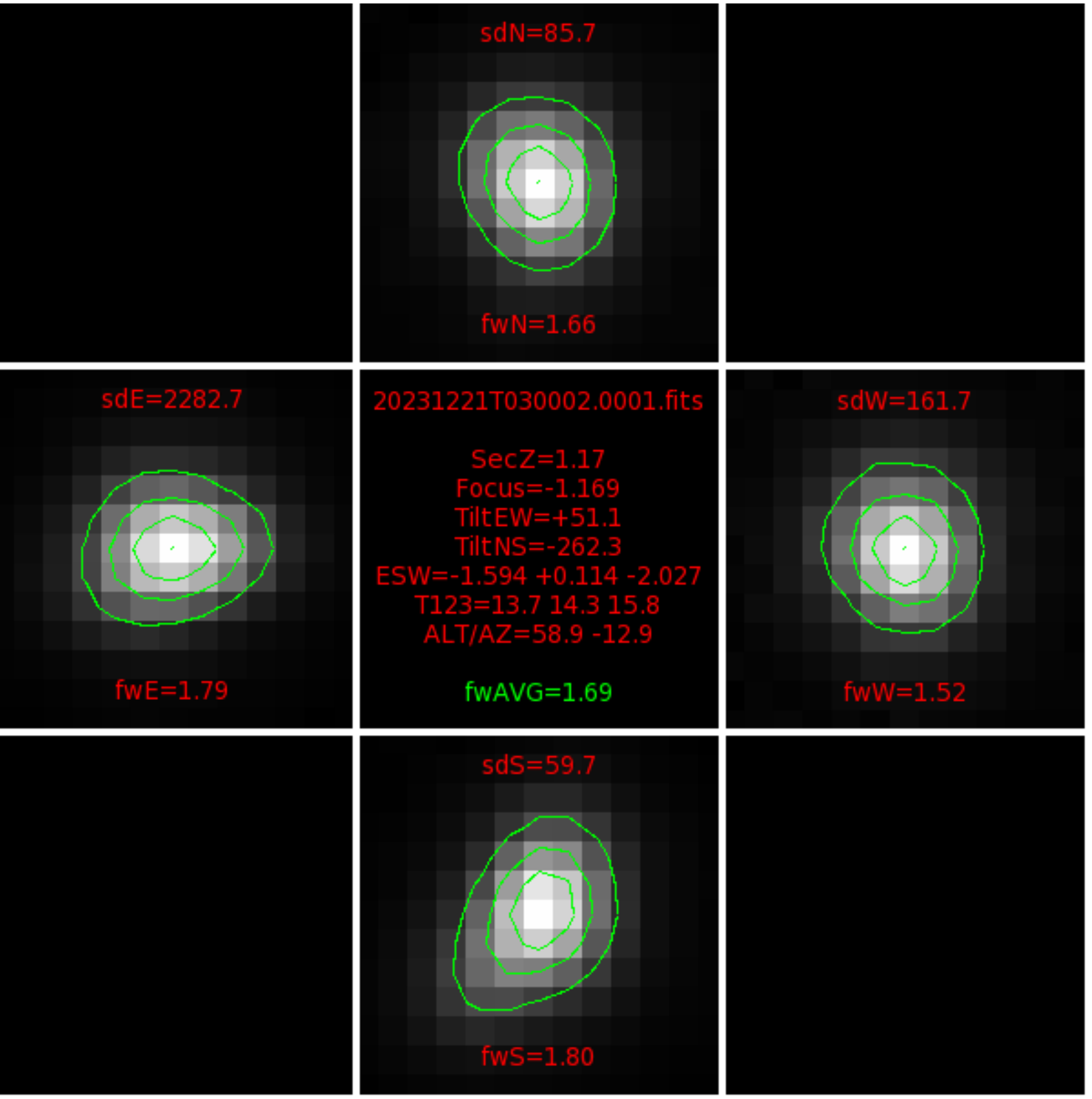
sdN=85.7
fwN=1.66
sdE=2282.7
fwE=1.79
20231221T030002.0001.fits
SecZ=1.17
Focus=-1.169
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.594 +0.114 -2.027
T123=13.7 14.3 15.8
ALT/AZ=58.9 -12.9
fwAVG=1.69
sdW=161.7
fwW=1.52
sdS=59.7
fwS=1.80
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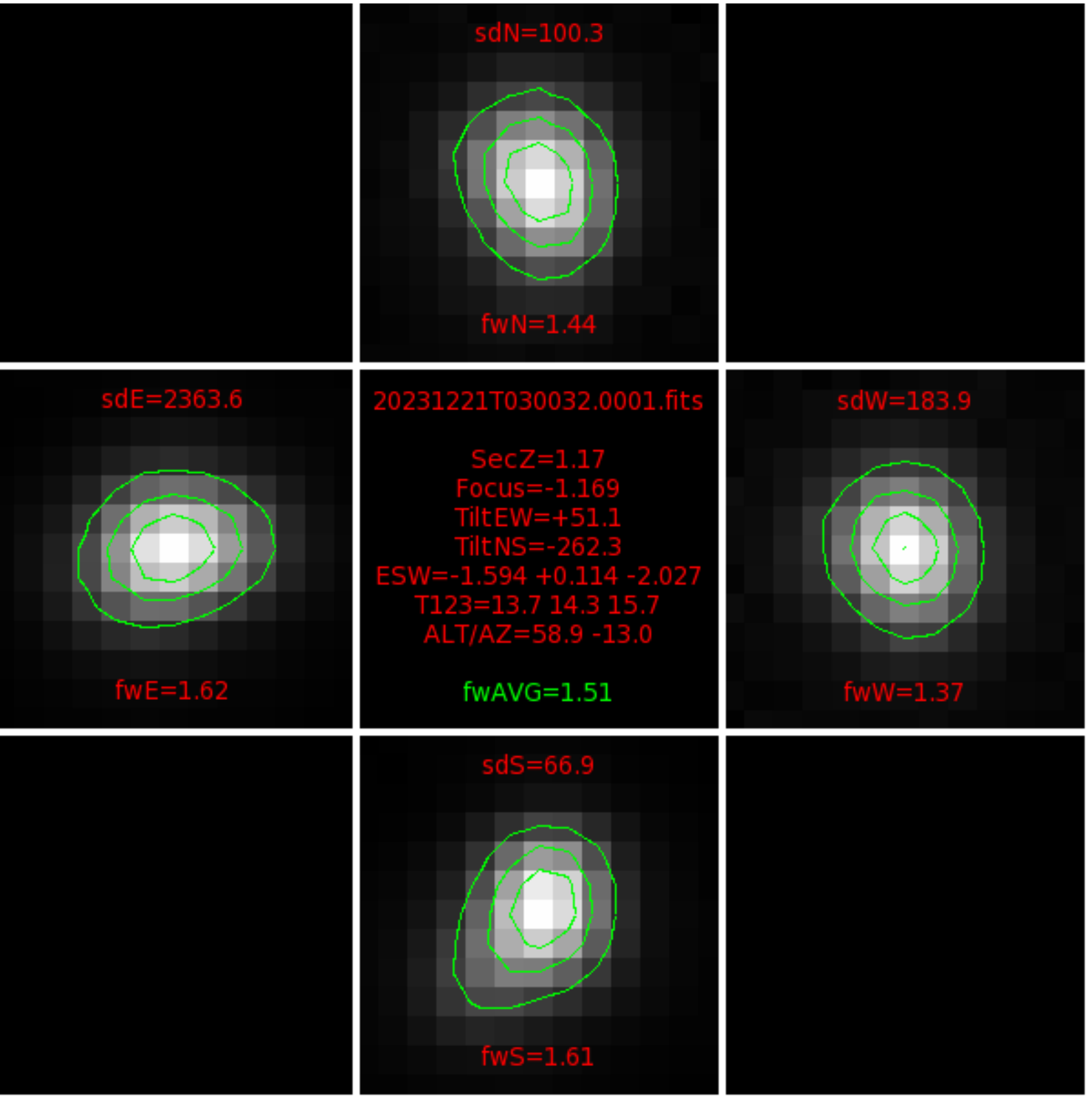
sdN=100.3
fwN=1.44
sdE=2363.6
fwE=1.62
20231221T030032.0001.fits
SecZ=1.17
Focus=-1.169
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.594 +0.114 -2.027
T123=13.7 14.3 15.7
ALT/AZ=58.9 -13.0
fwAVG=1.51
sdW=183.9
fwW=1.37
sdS=66.9
fwS=1.61
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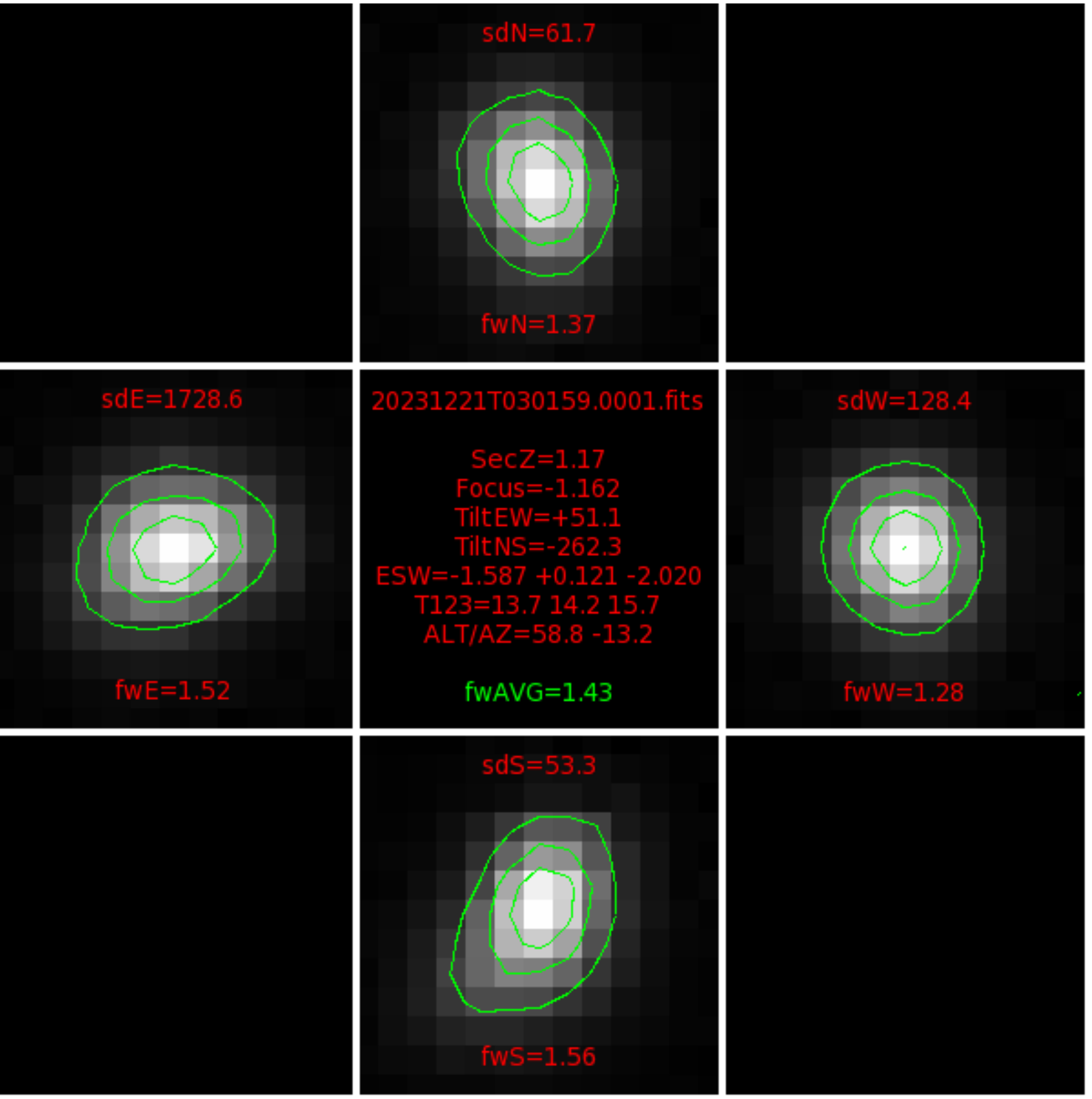
sdN=61.7
fwN=1.37
sdE=1728.6
fwE=1.52
20231221T030159.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.2 15.7
ALT/AZ=58.8 -13.2
fwAVG=1.43
sdW=128.4
fwW=1.28
sdS=53.3
fwS=1.56
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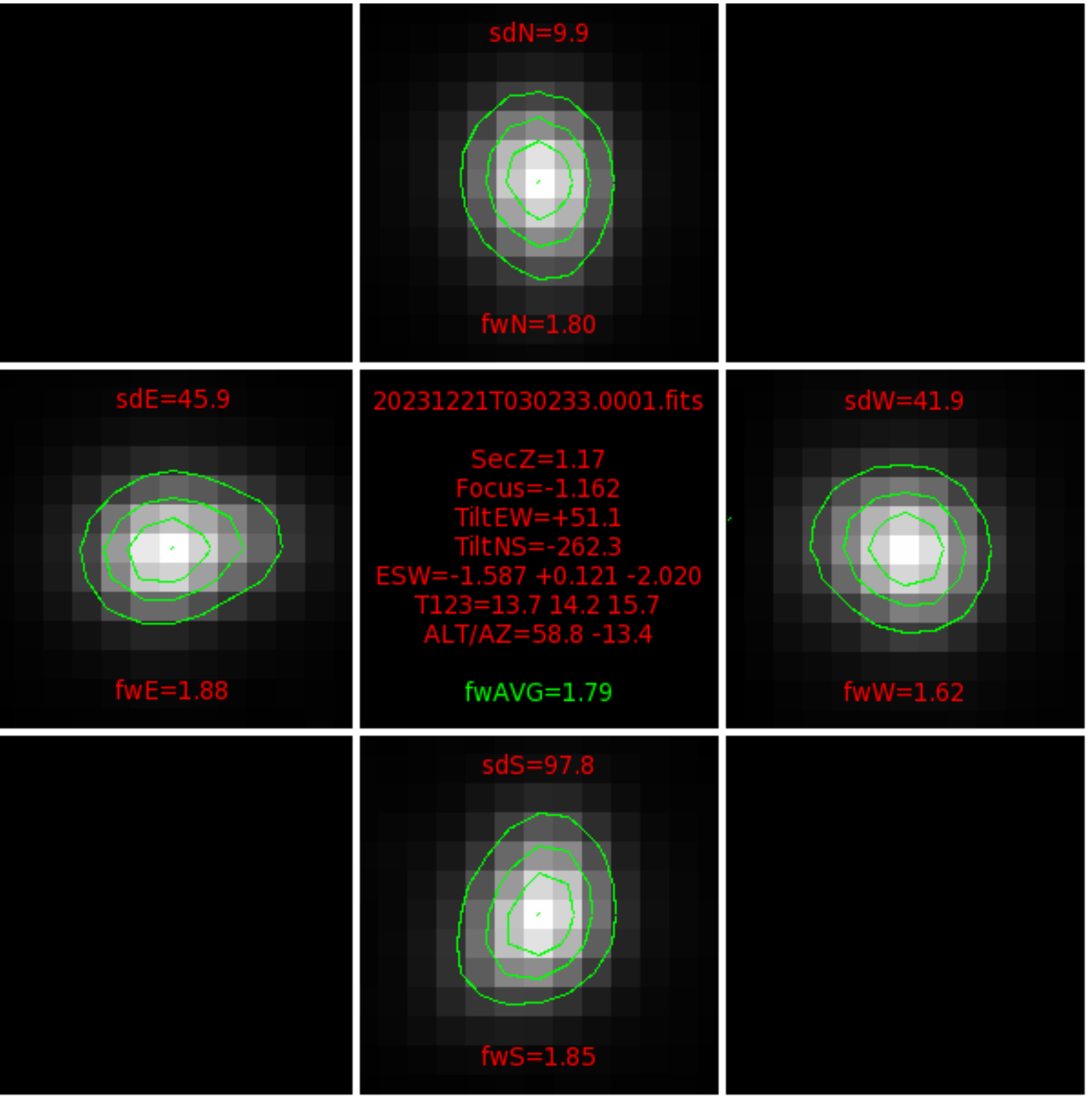
sdN=9.9
fwN=1.80
sdE=45.9
fwE=1.88
20231221T030233.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.2 15.7
ALT/AZ=58.8 -13.4
fwAVG=1.79
sdW=41.9
fwW=1.62
sdS=97.8
fwS=1.85
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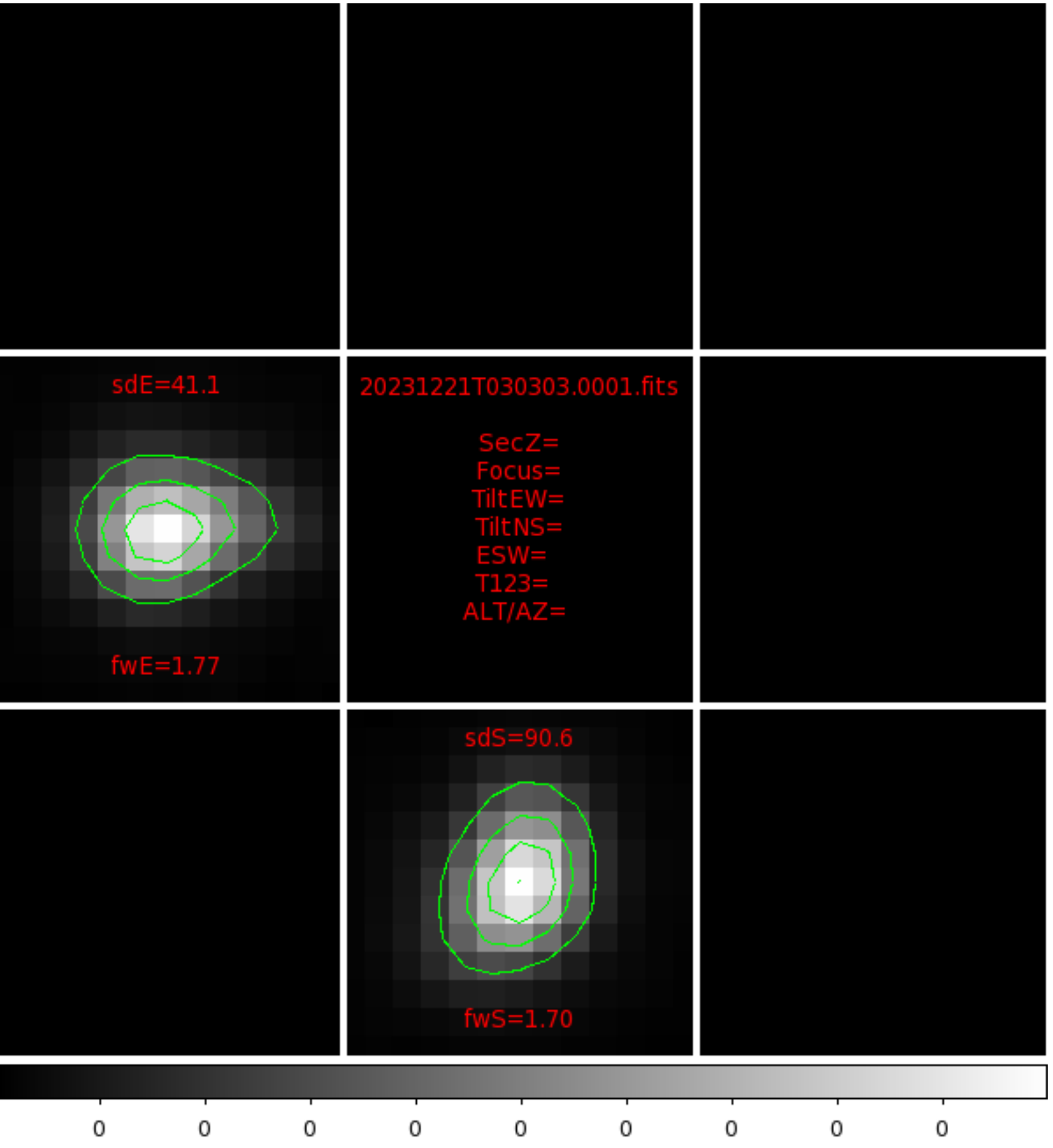
sdE=41.1
20231221T030303.0001.fits
SecZ=
Focus=
TiltEW=
TiltNS=
ESW=
T123=
ALT/AZ=
fwE=1.77
sdS=90.6
fwS=1.70
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0
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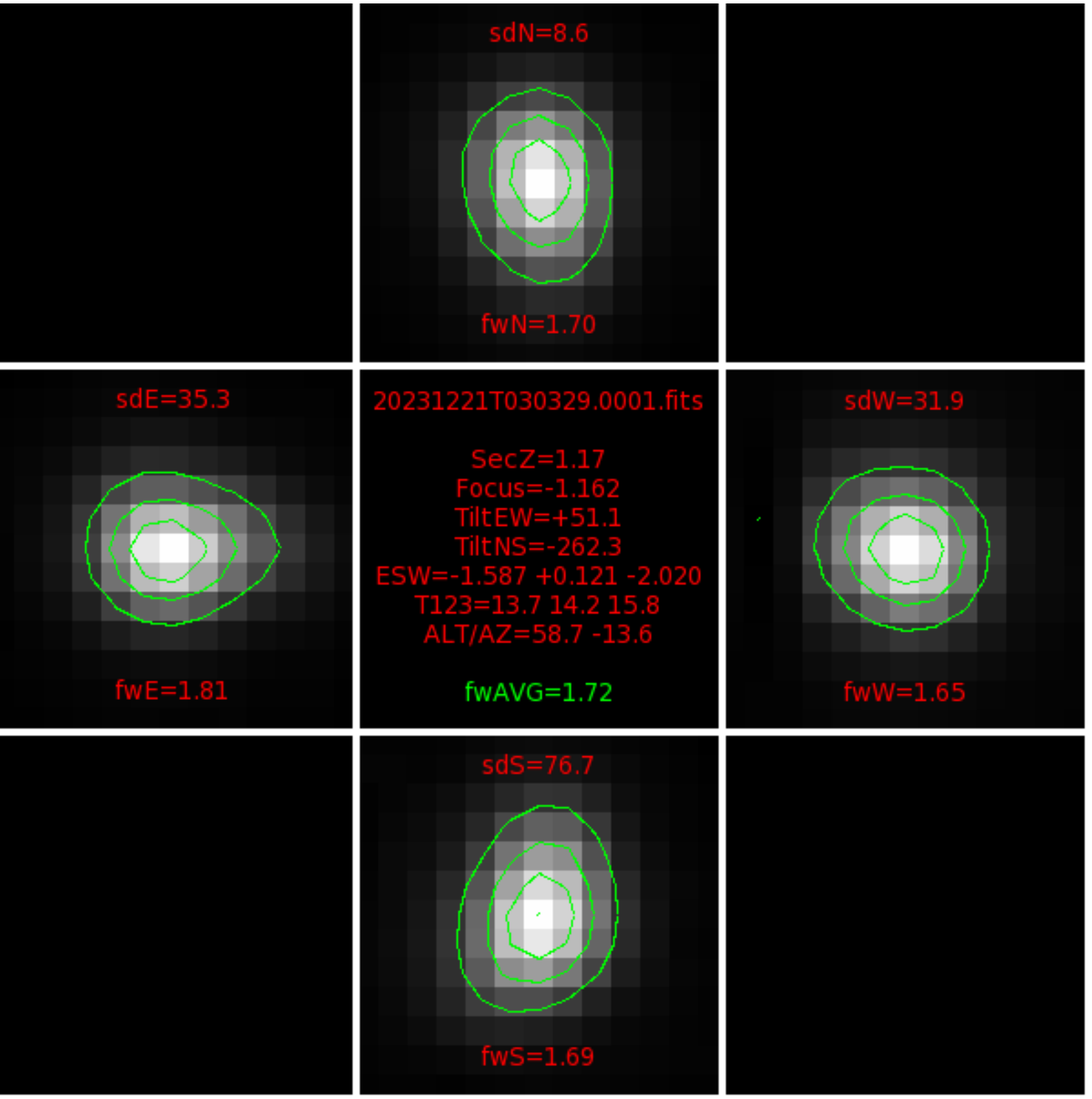
sdN=8.6
fwN=1.70
sdE=35.3
fwE=1.81
20231221T030329.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.2 15.8
ALT/AZ=58.7 -13.6
fwAVG=1.72
sdW=31.9
fwW=1.65
sdS=76.7
fwS=1.69
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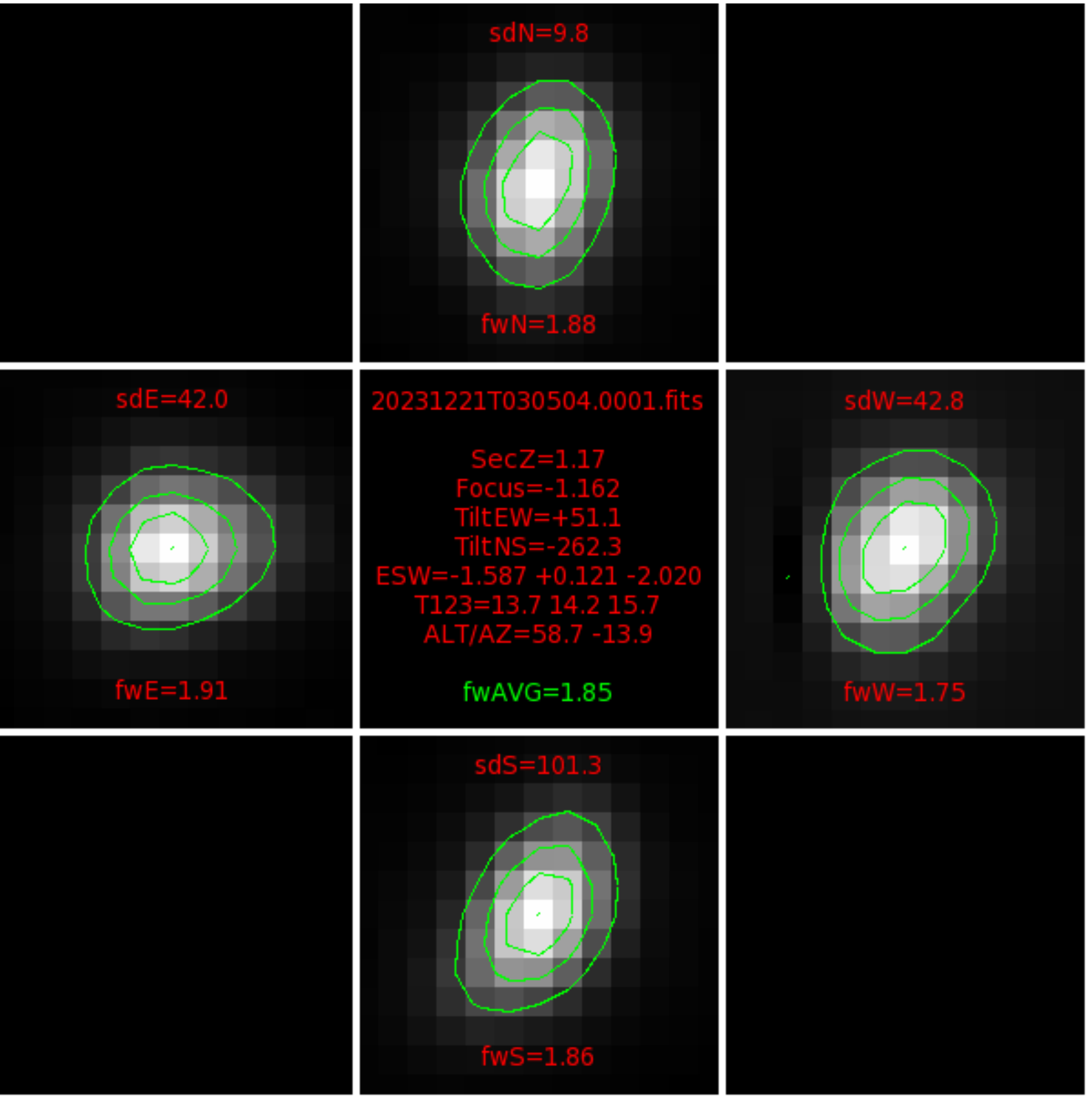
sdN=9.8
fwN=1.88
sdE=42.0
fwE=1.91
20231221T030504.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.2 15.7
ALT/AZ=58.7 -13.9
fwAVG=1.85
sdW=42.8
fwW=1.75
sdS=101.3
fwS=1.86
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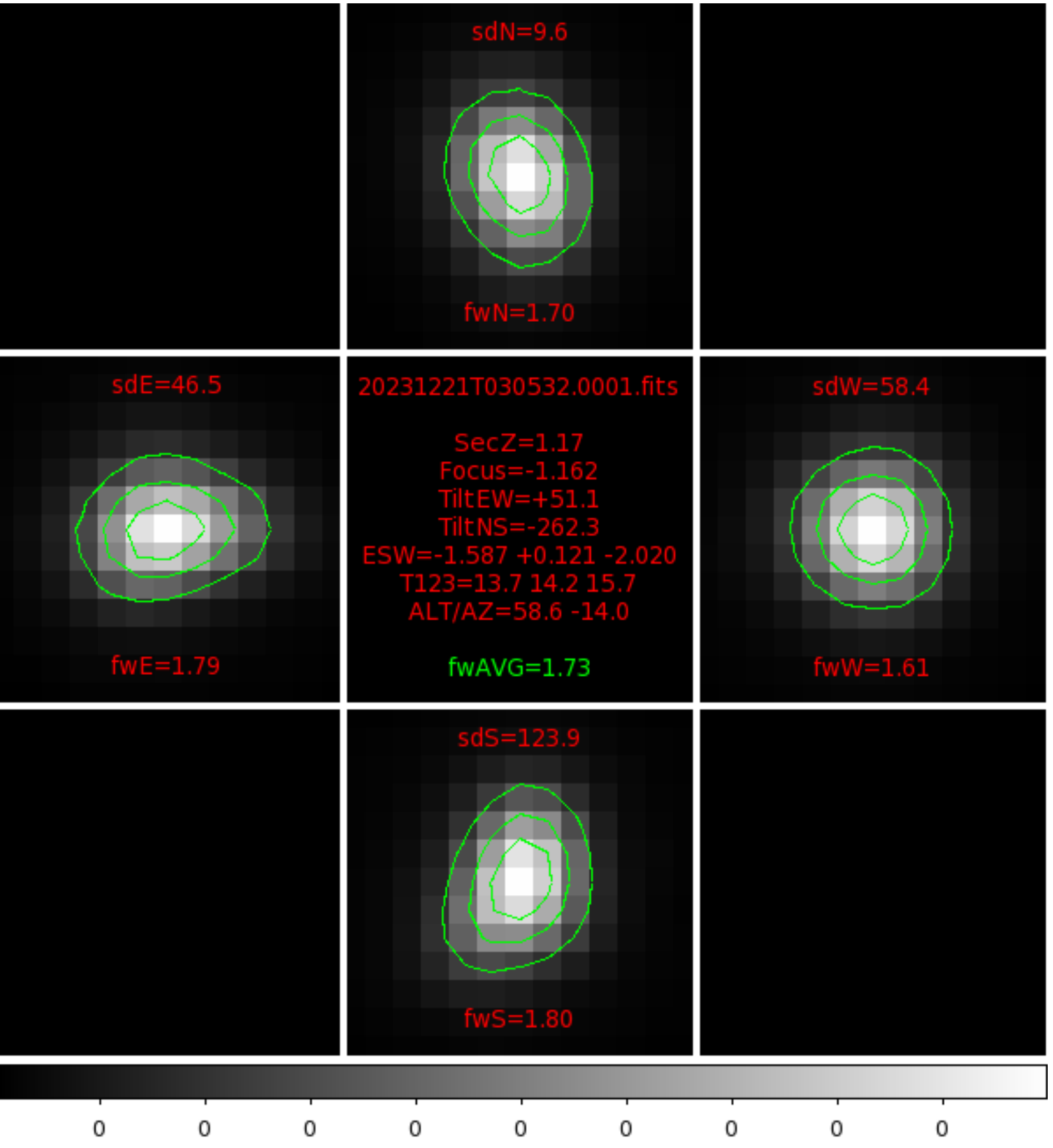
sdN=9.6
fwN=1.70
sdE=46.5
fwE=1.79
20231221T030532.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.2 15.7
ALT/AZ=58.6 -14.0
fwAVG=1.73
sdW=58.4
fwW=1.61
sdS=123.9
fwS=1.80
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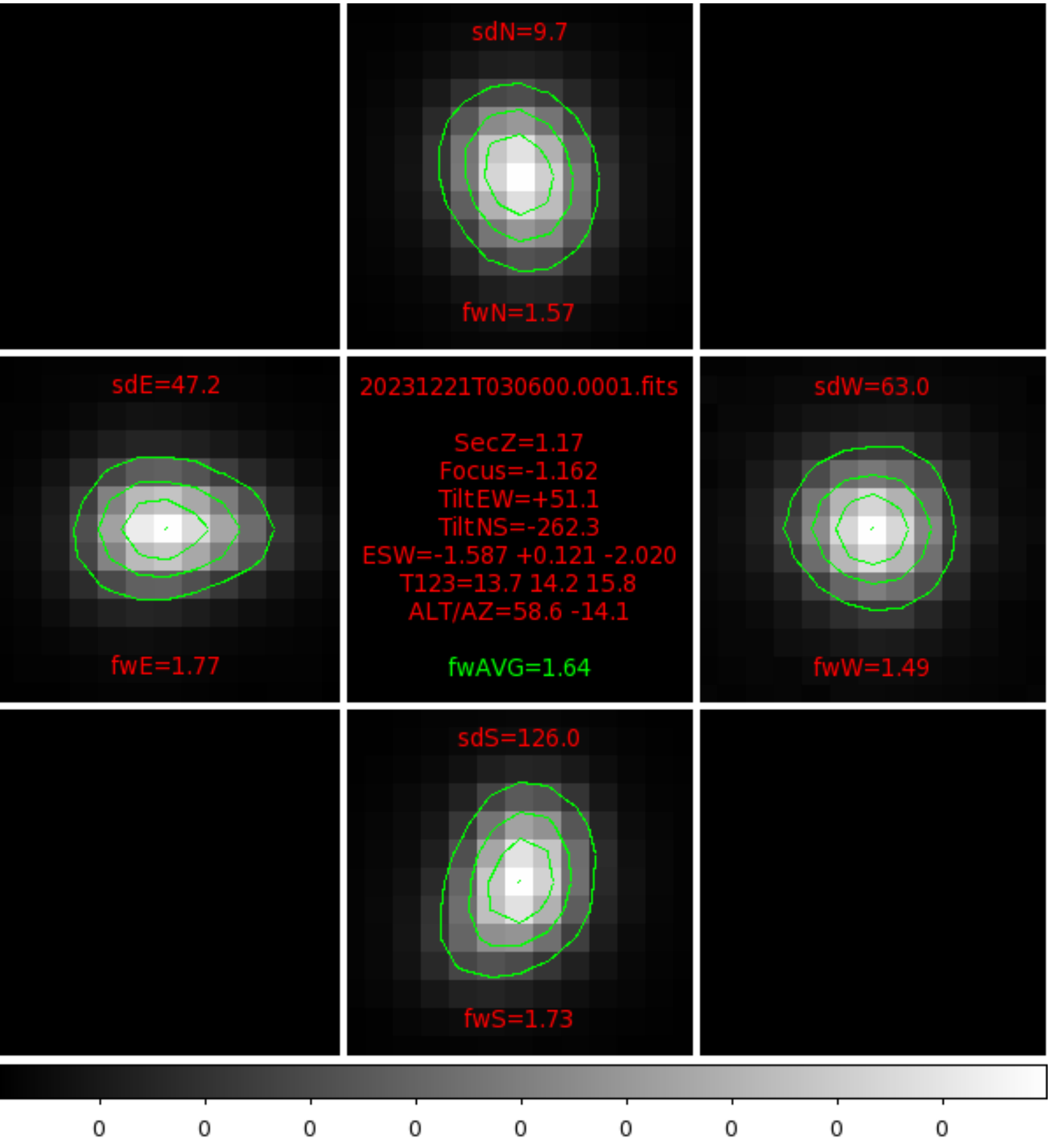
sdN=9.7
fwN=1.57
sdE=47.2
fwE=1.77
20231221T030600.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.2 15.8
ALT/AZ=58.6 -14.1
fwAVG=1.64
sdW=63.0
fwW=1.49
sdS=126.0
fwS=1.73
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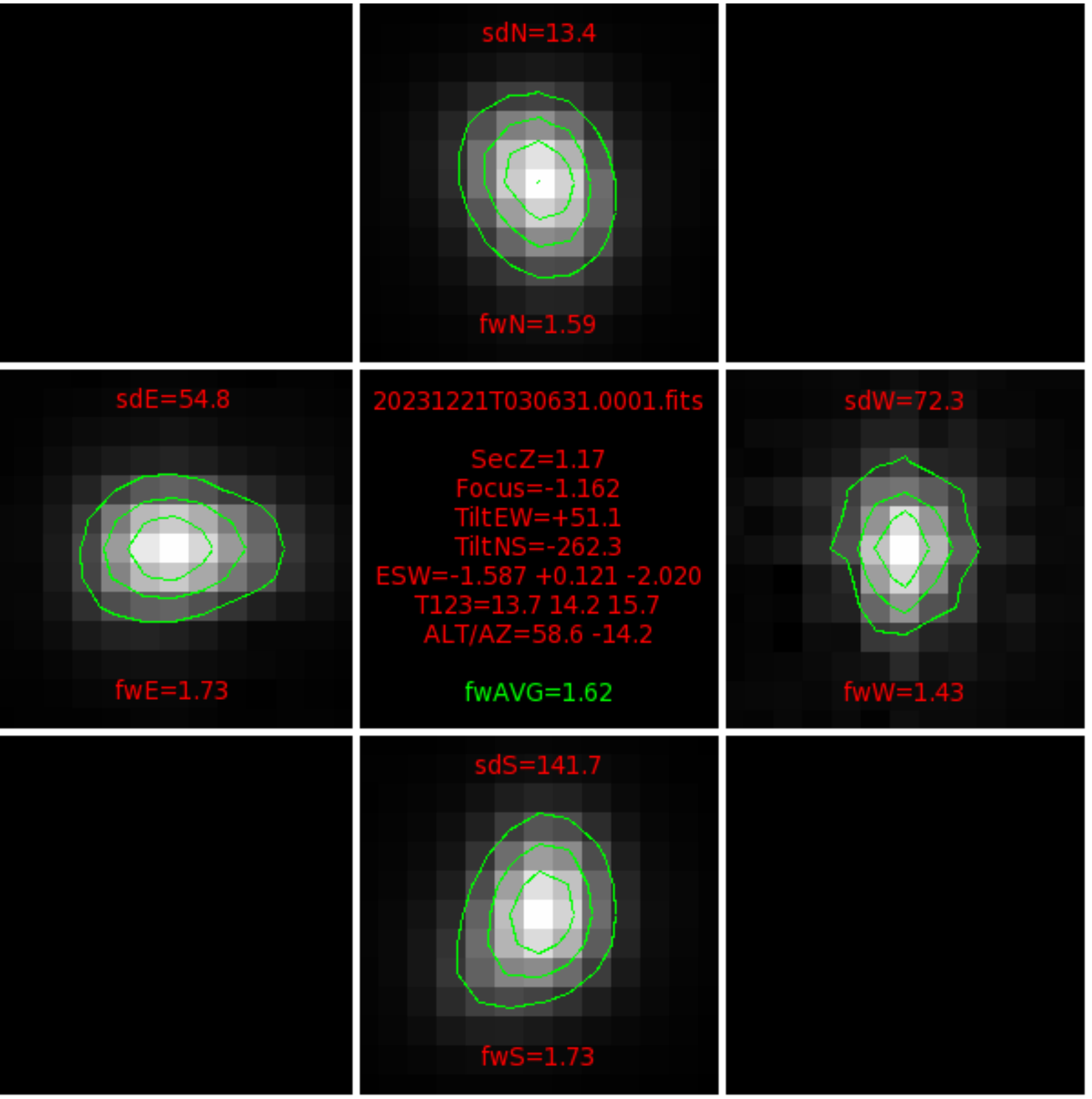
sdN=13.4
fwN=1.59
sdE=54.8
fwE=1.73
20231221T030631.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.2 15.7
ALT/AZ=58.6 -14.2
fwAVG=1.62
sdW=72.3
fwW=1.43
sdS=141.7
fwS=1.73
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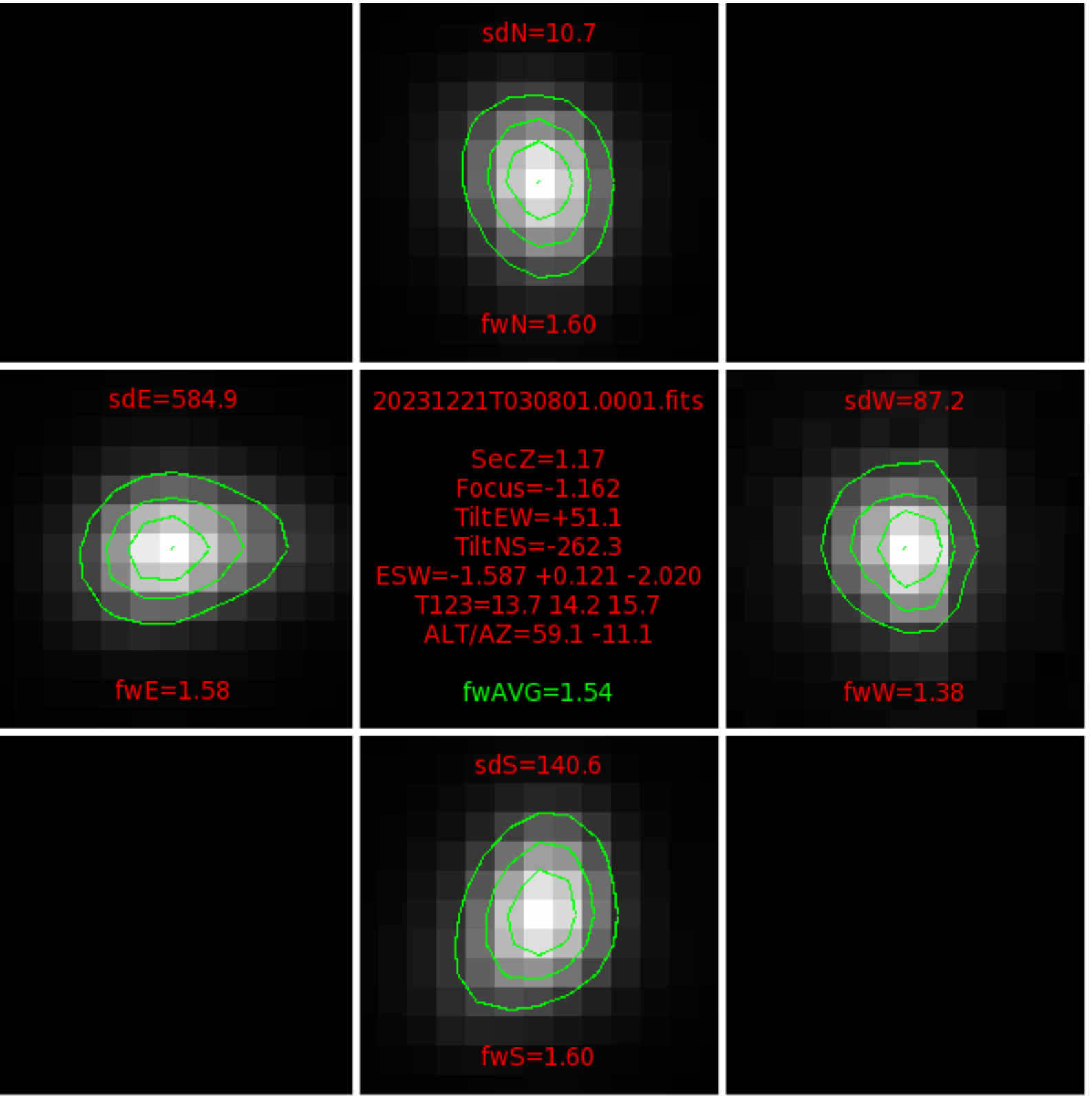
sdN=10.7
fwN=1.60
sdE=584.9
fwE=1.58
20231221T030801.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.2 15.7
ALT/AZ=59.1 -11.1
fwAVG=1.54
sdW=87.2
fwW=1.38
sdS=140.6
fwS=1.60
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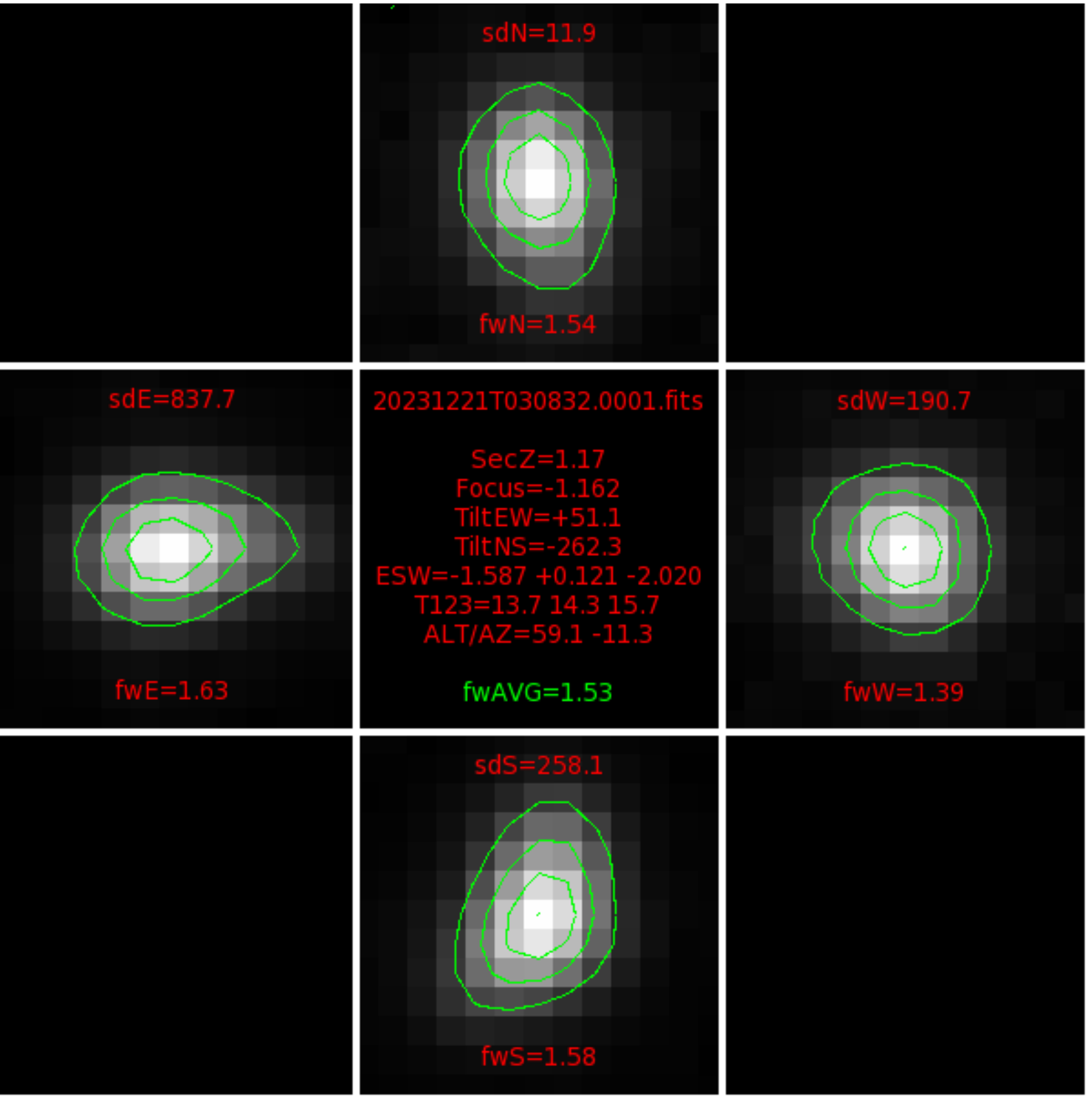
sdN=11.9
fwN=1.54
sdE=837.7
fwE=1.63
20231221T030832.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.3 15.7
ALT/AZ=59.1 -11.3
fwAVG=1.53
sdW=190.7
fwW=1.39
sdS=258.1
fwS=1.58
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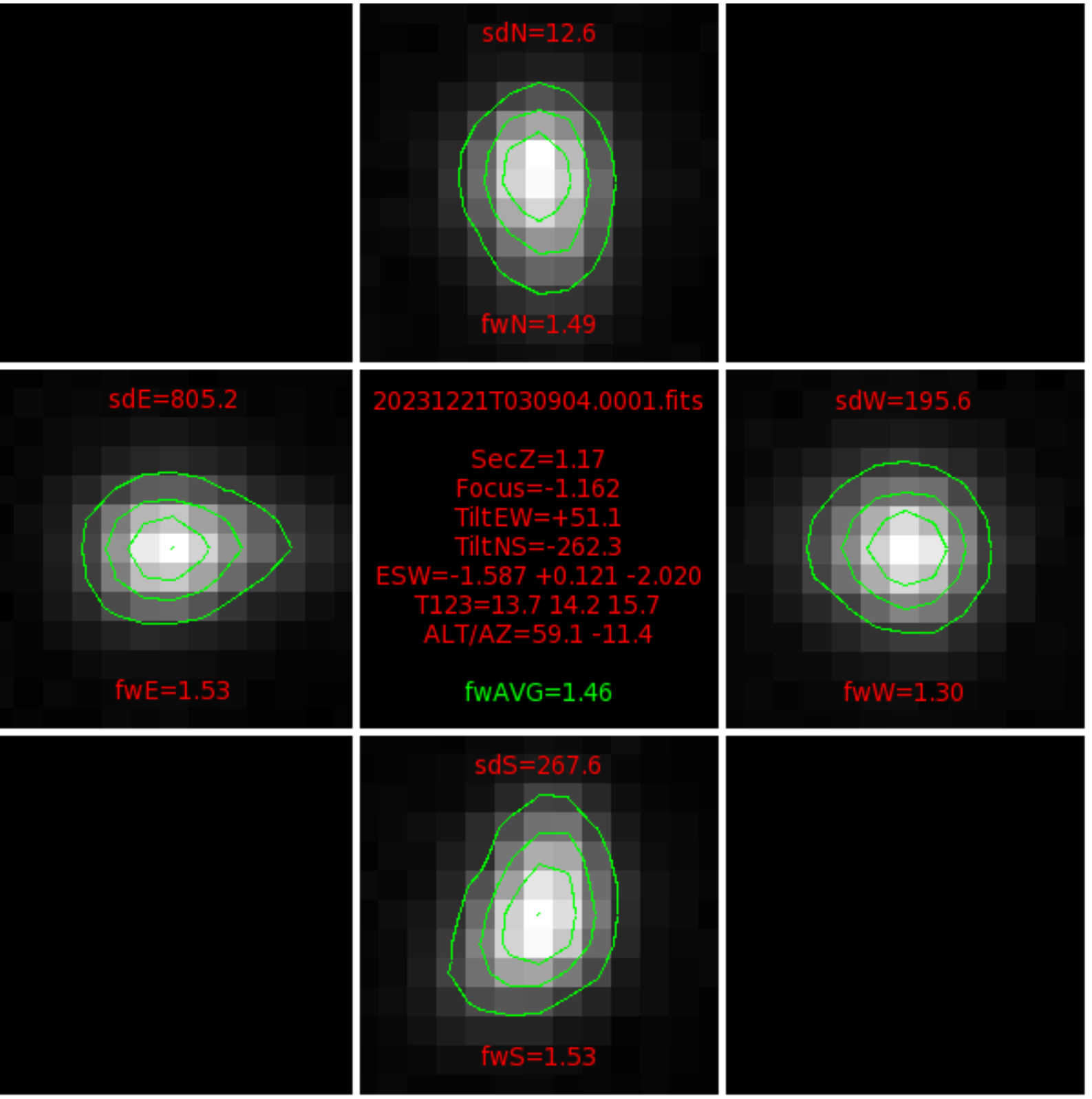
sdN=12.6
fwN=1.49
sdE=805.2
fwE=1.53
20231221T030904.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.2 15.7
ALT/AZ=59.1 -11.4
fwAVG=1.46
sdW=195.6
fwW=1.30
sdS=267.6
fwS=1.53
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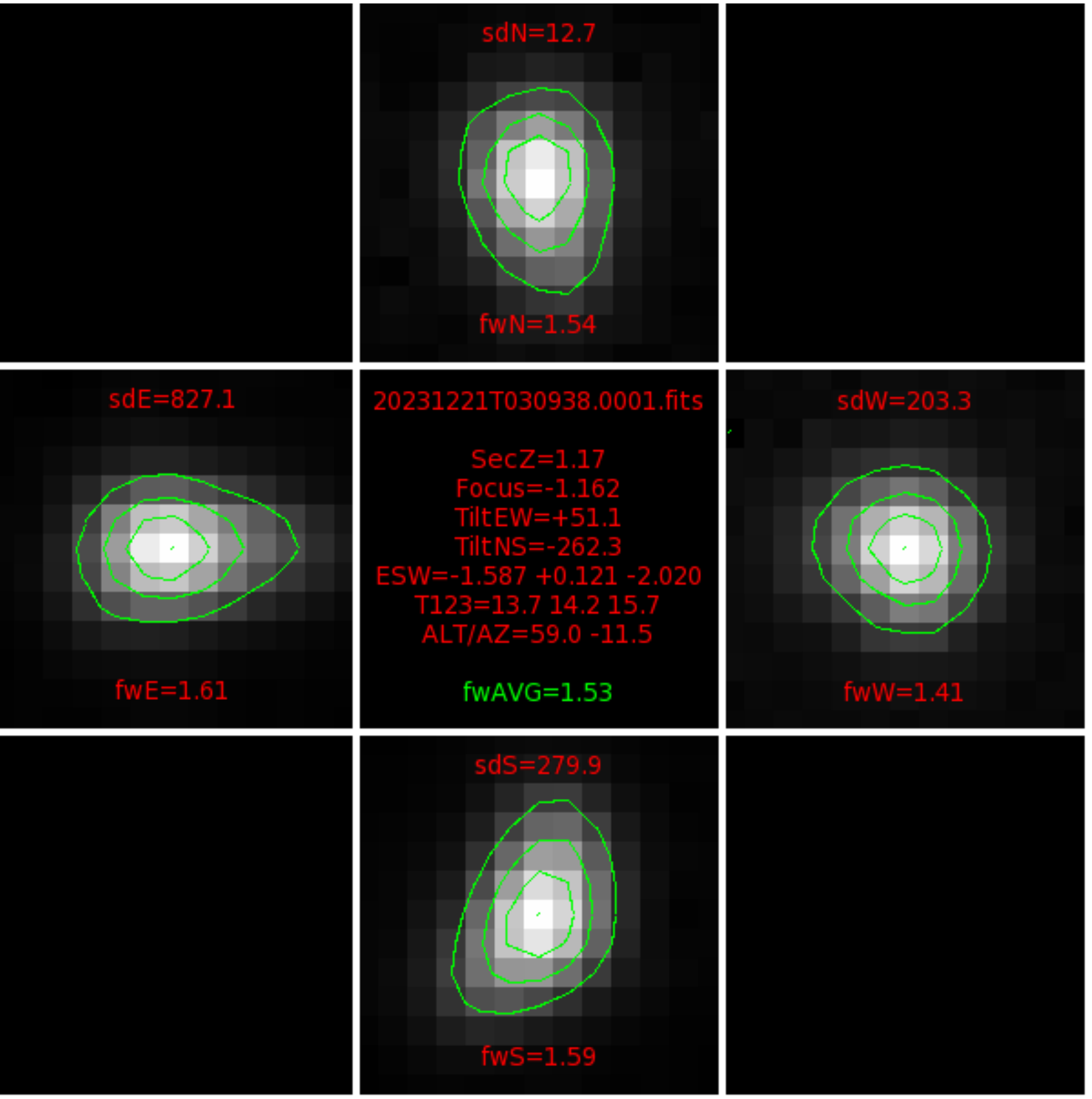
sdN=12.7
fwN=1.54
sdE=827.1
fwE=1.61
20231221T030938.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.2 15.7
ALT/AZ=59.0 -11.5
fwAVG=1.53
sdW=203.3
fwW=1.41
sdS=279.9
fwS=1.59
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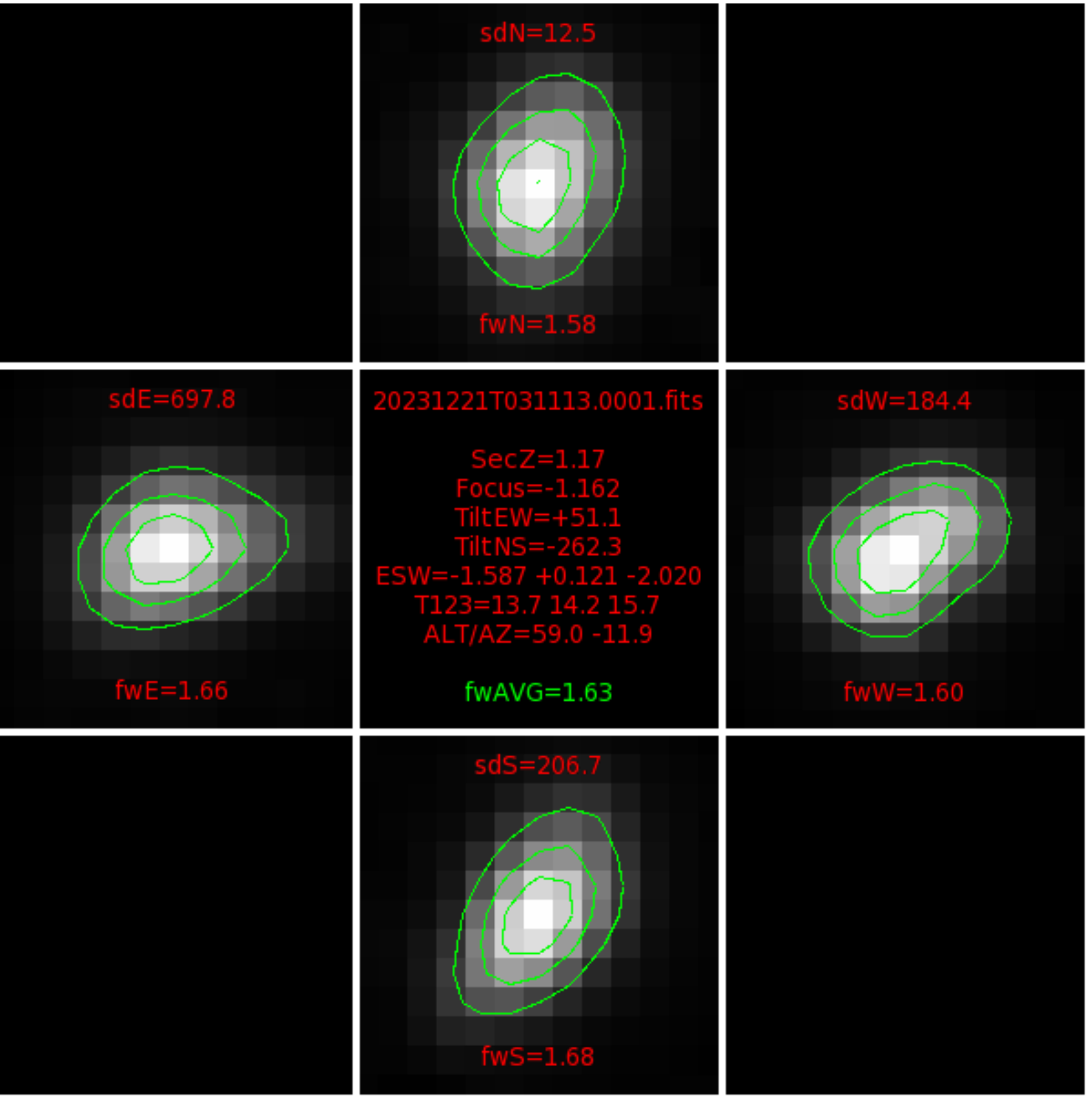
sdN=12.5
fwN=1.58
sdE=697.8
fwE=1.66
20231221T031113.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.2 15.7
ALT/AZ=59.0 -11.9
fwAVG=1.63
sdW=184.4
fwW=1.60
sdS=206.7
fwS=1.68
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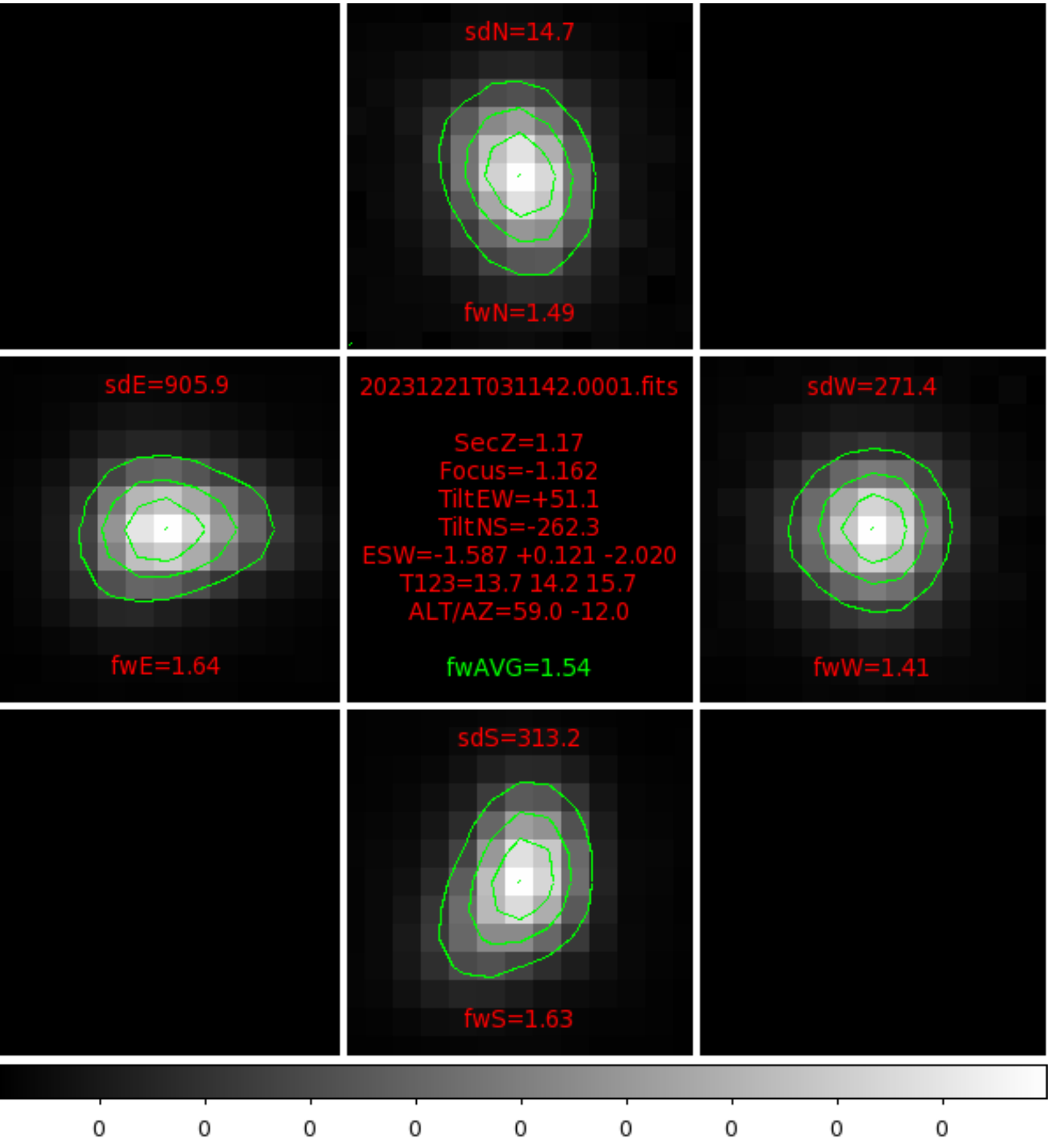
sdN=14.7
fwN=1.49
sdE=905.9
fwE=1.64
20231221T031142.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.2 15.7
ALT/AZ=59.0 -12.0
fwAVG=1.54
sdW=271.4
fwW=1.41
sdS=313.2
fwS=1.63
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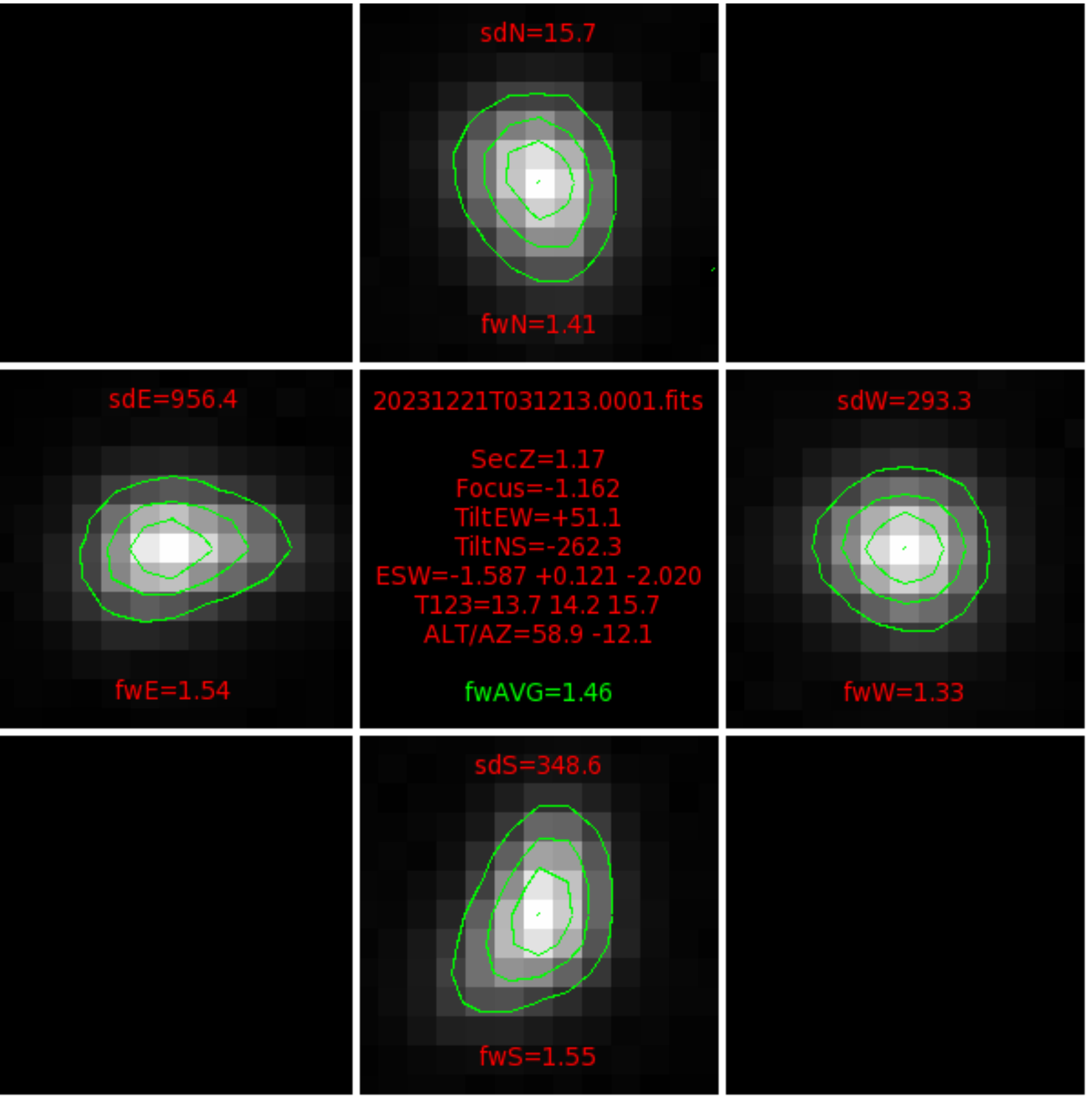
sdN=15.7
fwN=1.41
sdE=956.4
fwE=1.54
20231221T031213.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.2 15.7
ALT/AZ=58.9 -12.1
fwAVG=1.46
sdW=293.3
fwW=1.33
sdS=348.6
fwS=1.55
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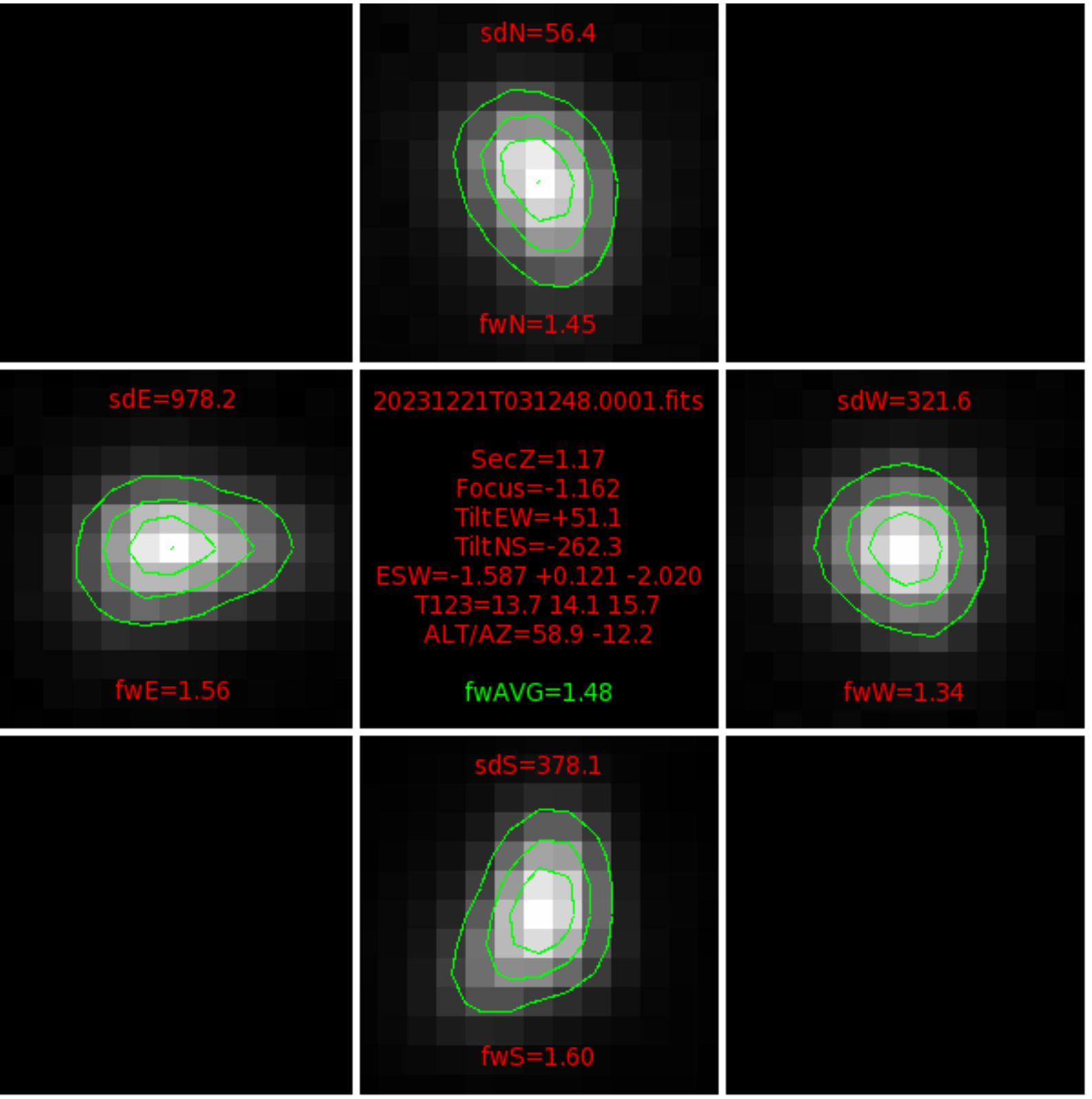
sdN=56.4
fwN=1.45
sdE=978.2
fwE=1.56
20231221T031248.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.7
ALT/AZ=58.9 -12.2
fwAVG=1.48
sdW=321.6
fwW=1.34
sdS=378.1
fwS=1.60
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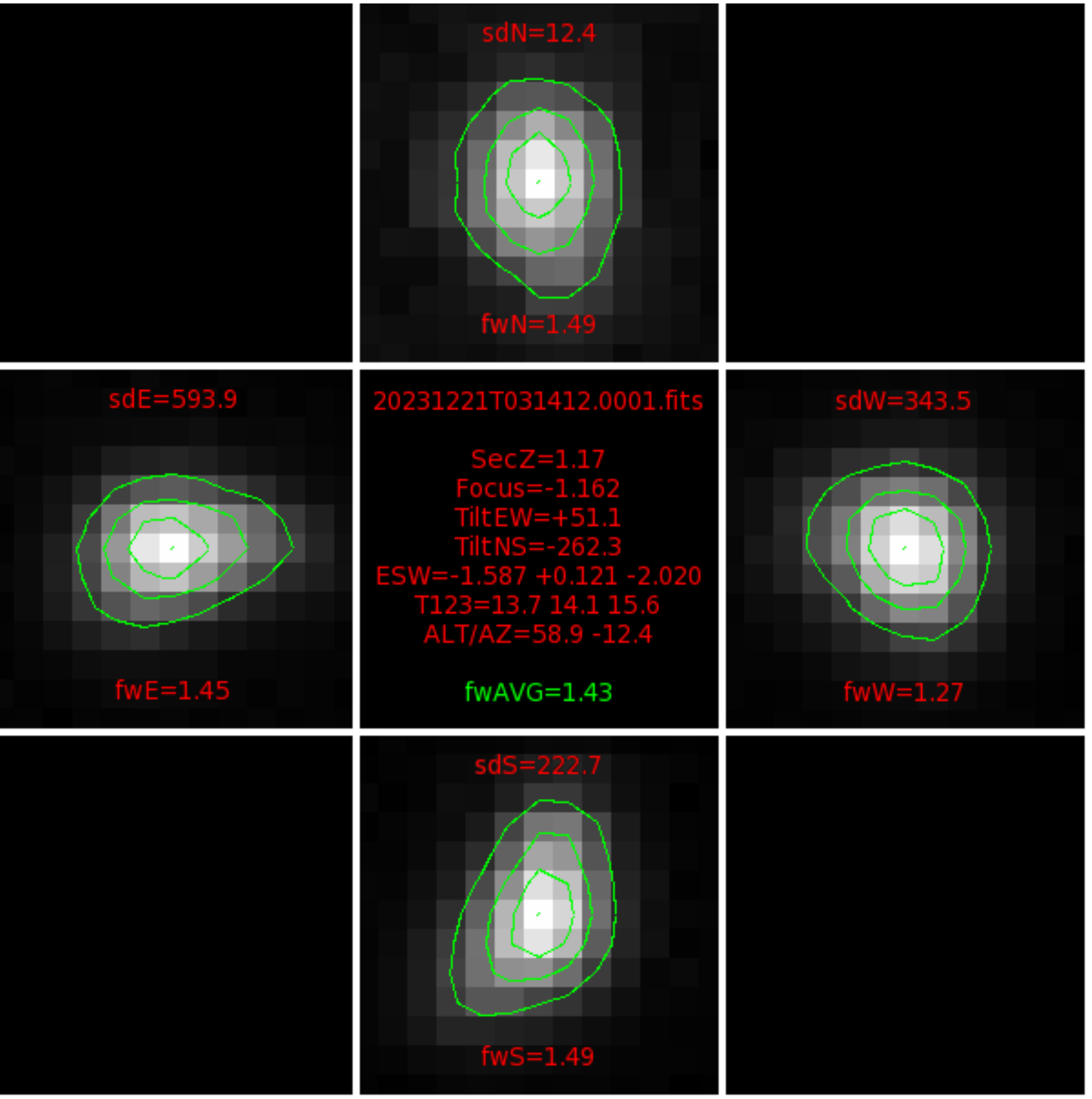
sdN=12.4
fwN=1.49
sdE=593.9
fwE=1.45
20231221T031412.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.6
ALT/AZ=58.9 -12.4
fwAVG=1.43
sdW=343.5
fwW=1.27
sdS=222.7
fwS=1.49
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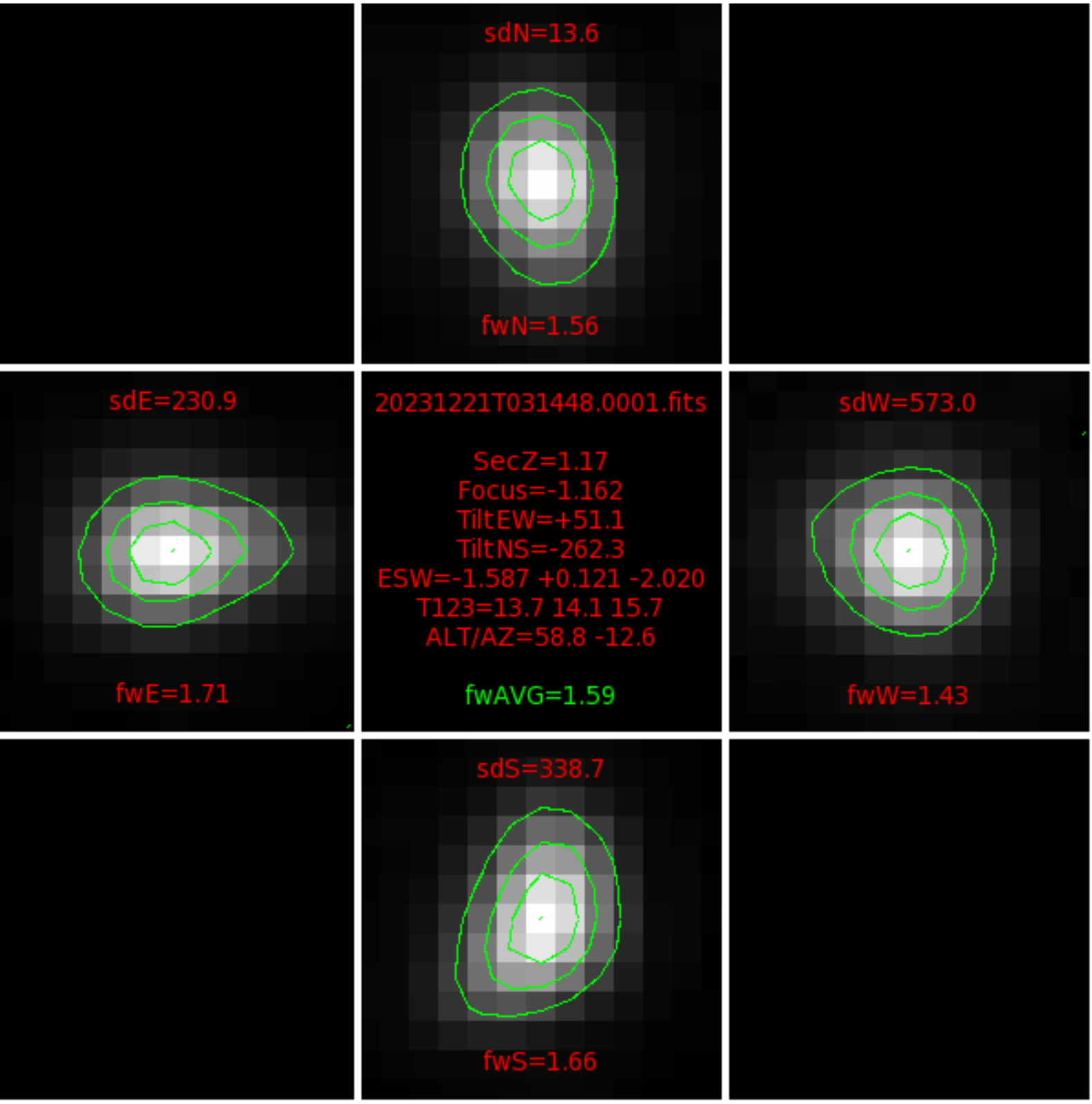
sdN=13.6
fwN=1.56
sdE=230.9
fwE=1.71
20231221T031448.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.7
ALT/AZ=58.8 -12.6
fwAVG=1.59
sdW=573.0
fwW=1.43
sdS=338.7
fwS=1.66
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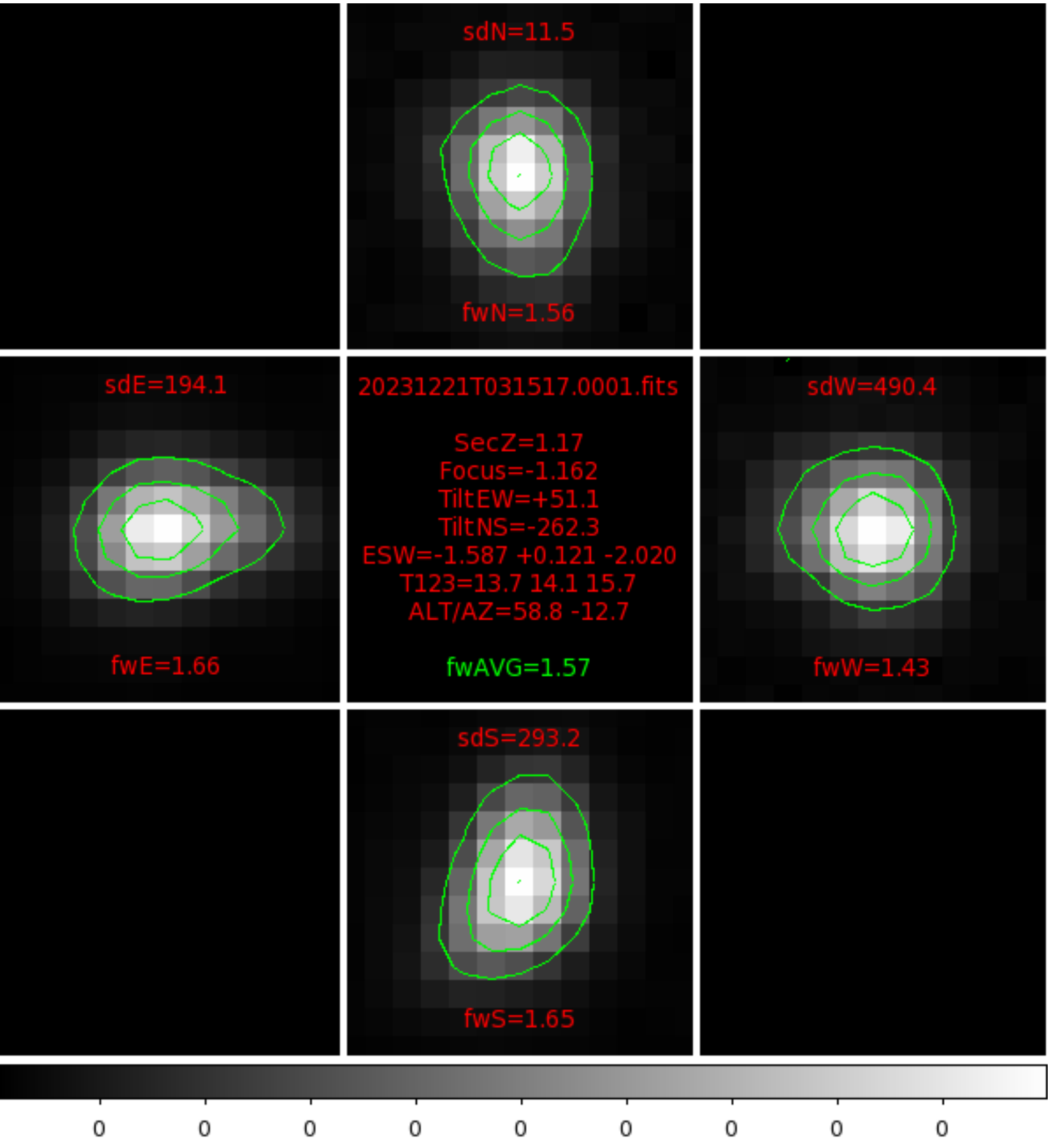
sdN=11.5
fwN=1.56
sdE=194.1
fwE=1.66
20231221T031517.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.7
ALT/AZ=58.8 -12.7
fwAVG=1.57
sdW=490.4
fwW=1.43
sdS=293.2
fwS=1.65
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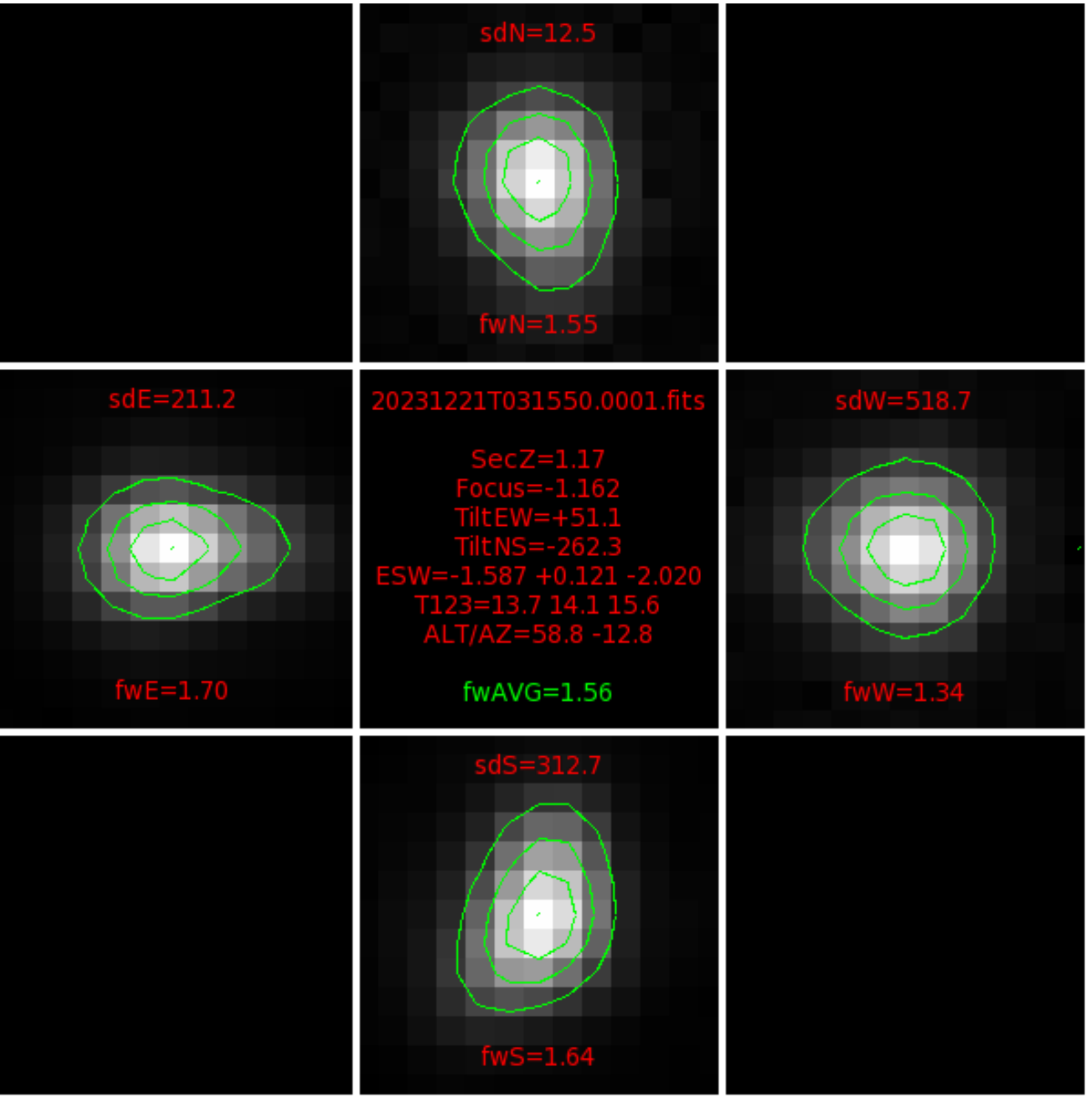
sdN=12.5
fwN=1.55
sdE=211.2
fwE=1.70
20231221T031550.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.6
ALT/AZ=58.8 -12.8
fwAVG=1.56
sdW=518.7
fwW=1.34
sdS=312.7
fwS=1.64
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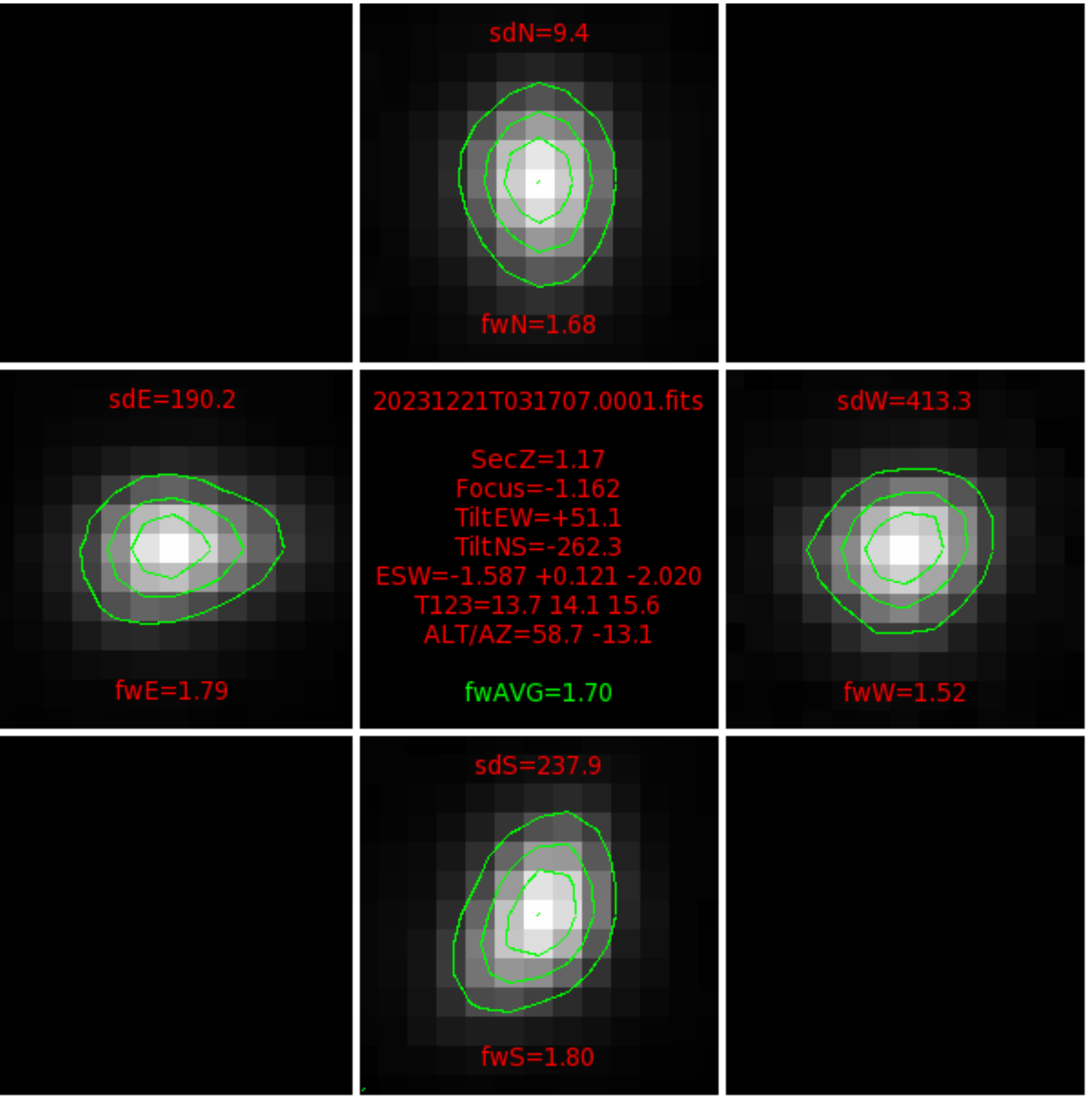
sdN=9.4
fwN=1.68
sdE=190.2
fwE=1.79
20231221T031707.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.6
ALT/AZ=58.7 -13.1
fwAVG=1.70
sdW=413.3
fwW=1.52
sdS=237.9
fwS=1.80
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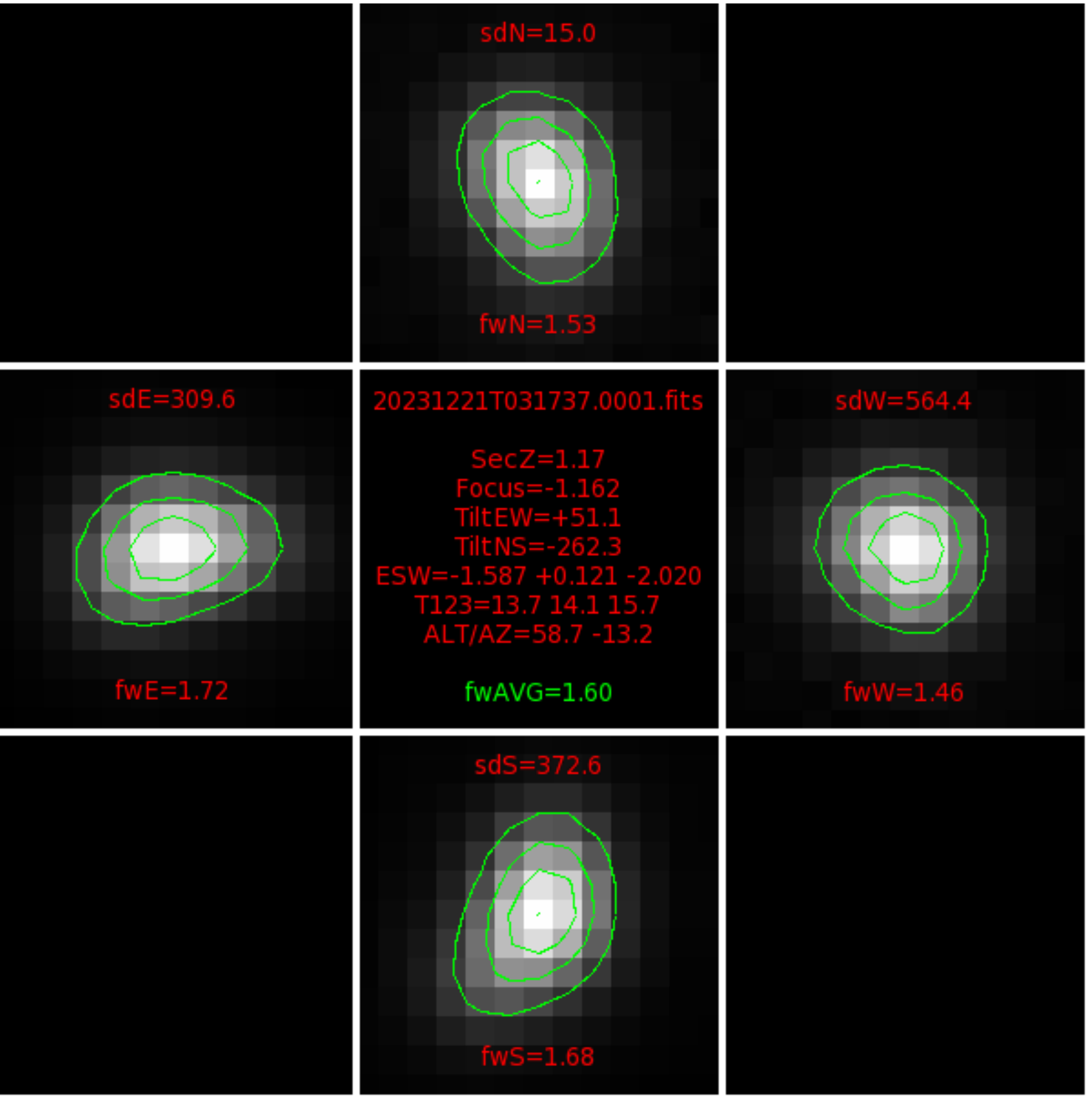
sdN=15.0
fwN=1.53
sdE=309.6
fwE=1.72
20231221T031737.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.7
ALT/AZ=58.7 -13.2
fwAVG=1.60
sdW=564.4
fwW=1.46
sdS=372.6
fwS=1.68
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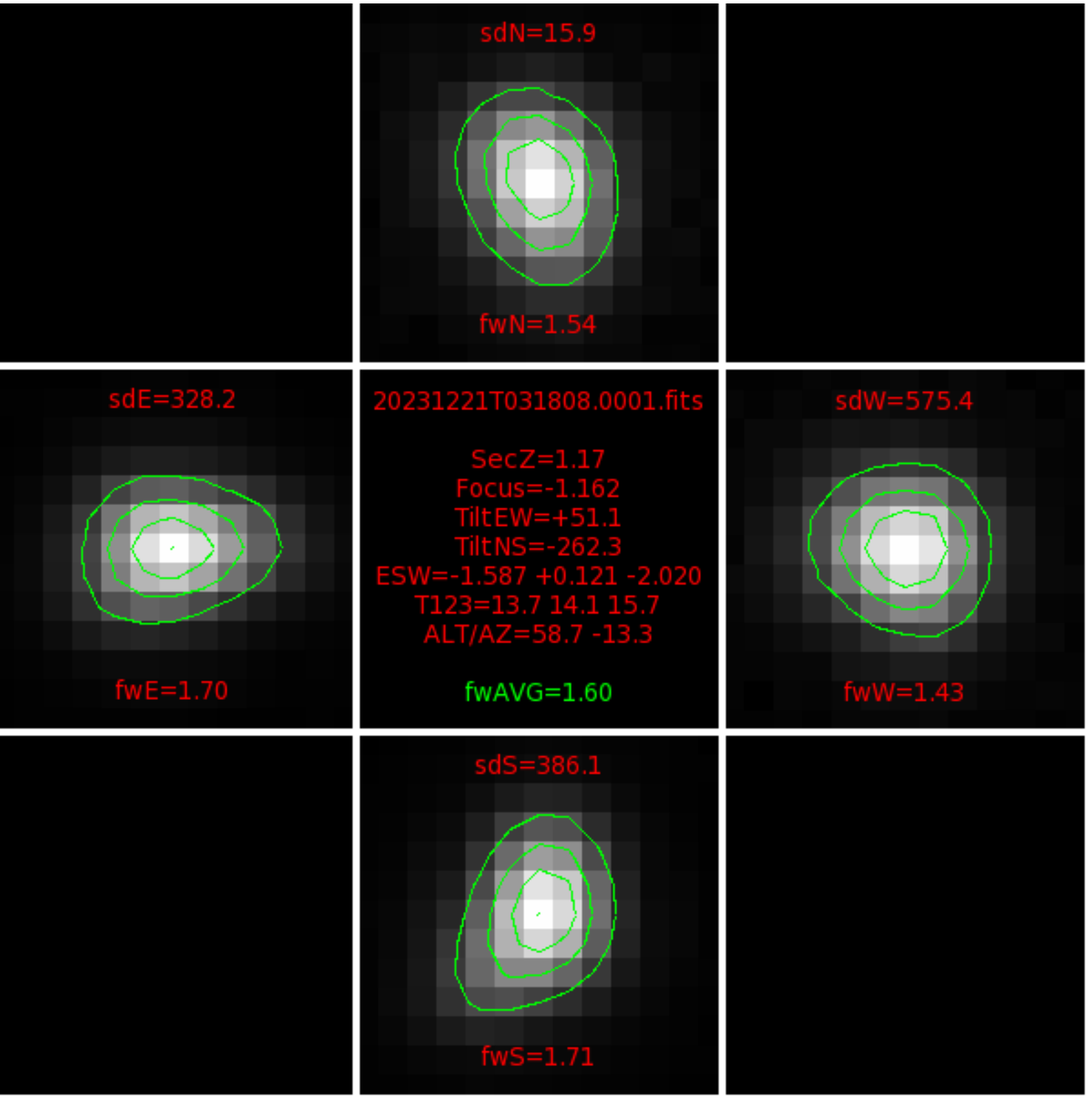
sdN=15.9
fwN=1.54
sdE=328.2
fwE=1.70
20231221T031808.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.7
ALT/AZ=58.7 -13.3
fwAVG=1.60
sdW=575.4
fwW=1.43
sdS=386.1
fwS=1.71
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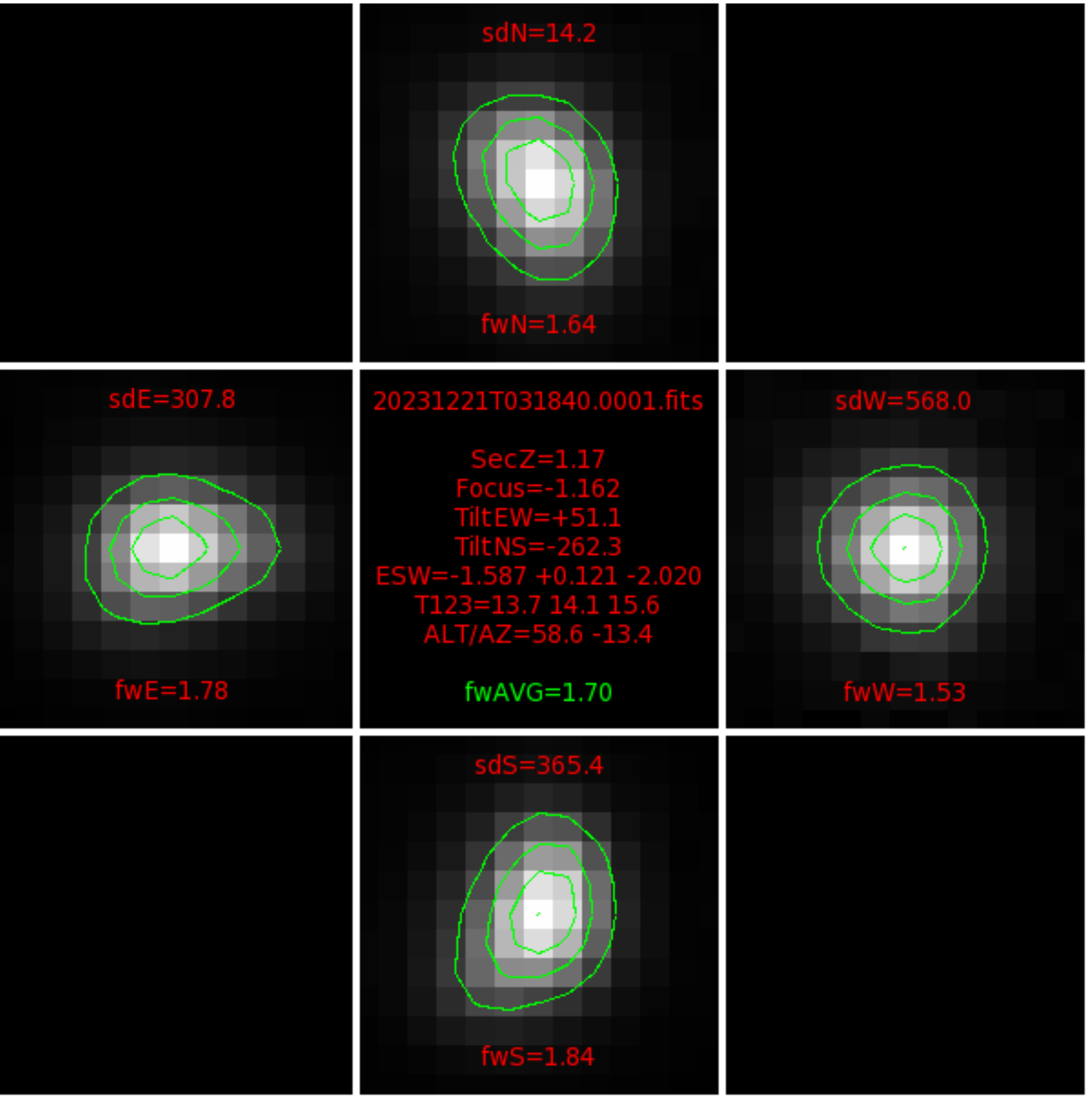
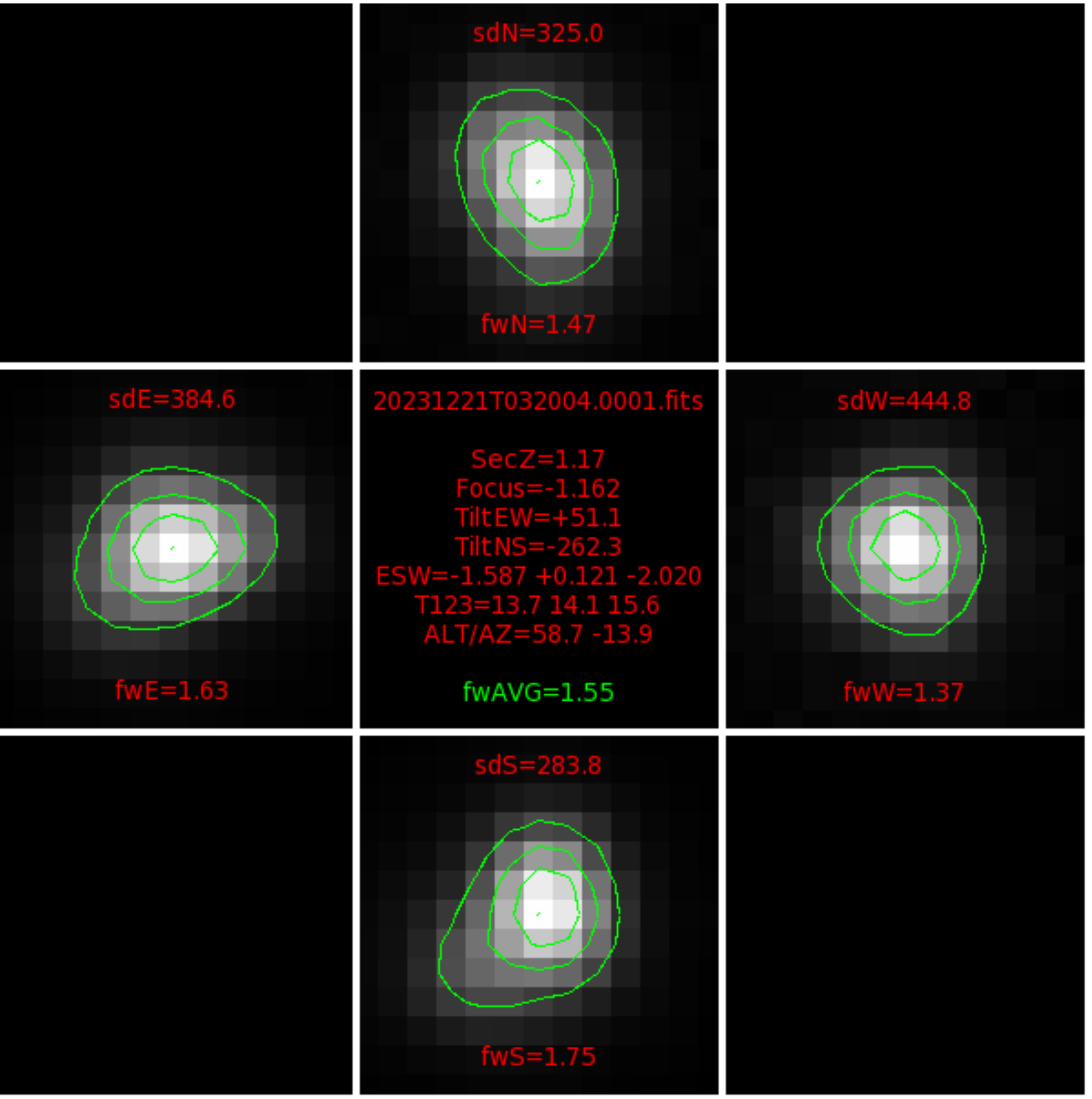

sdN=14.2
fwN=1.64
sdE=307.8
fwE=1.78
20231221T031840.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.6
ALT/AZ=58.6 -13.4
fwAVG=1.70
sdW=568.0
fwW=1.53
sdS=365.4
fwS=1.84
0 0 0 0 0 0 0 0 0


sdN=325.0
fwN=1.47
sdE=384.6
fwE=1.63
20231221T032004.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.6
ALT/AZ=58.7 -13.9
fwAVG=1.55
sdW=444.8
fwW=1.37
sdS=283.8
fwS=1.75
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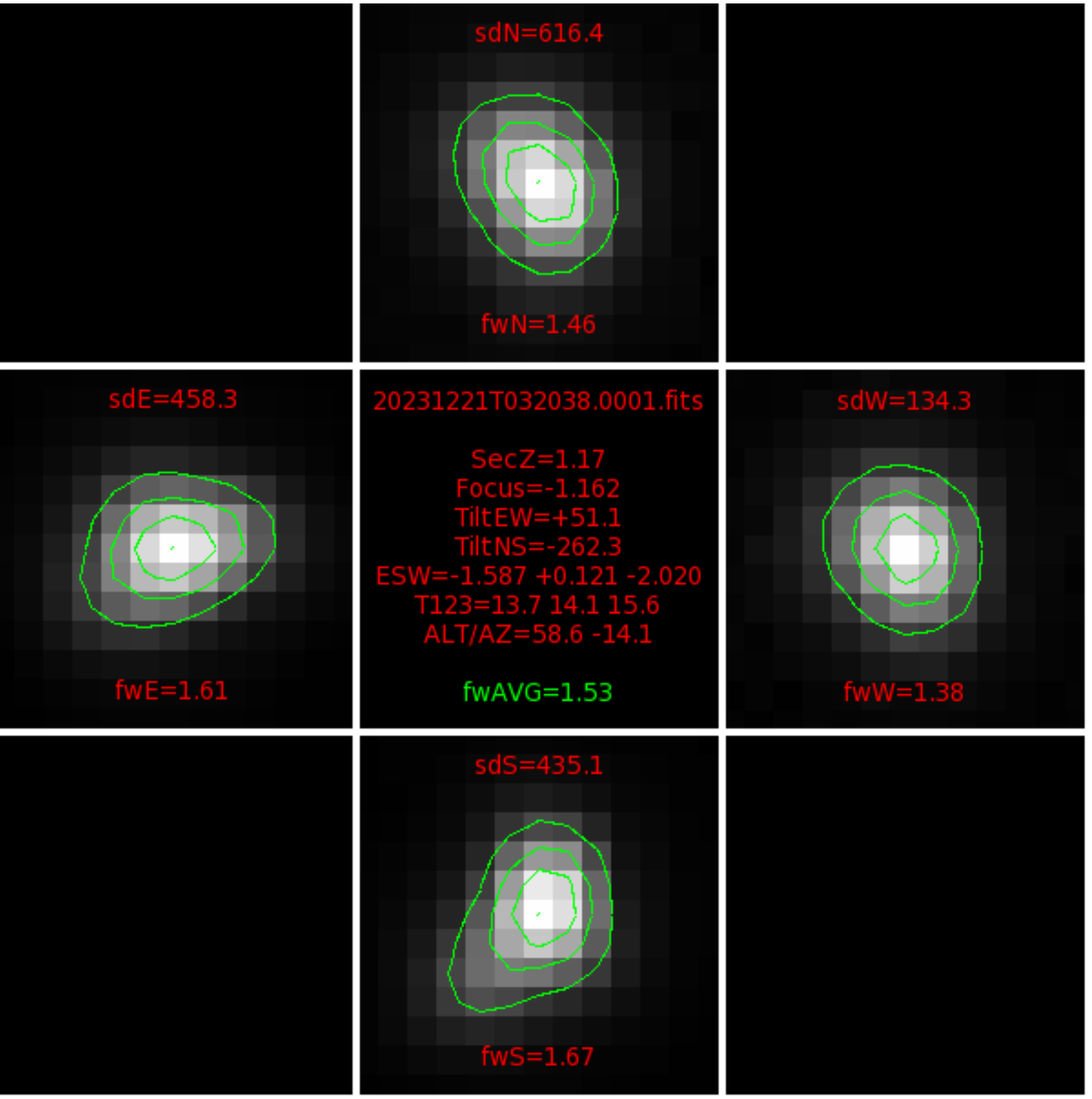
sdN=616.4
fwN=1.46
sdE=458.3
fwE=1.61
20231221T032038.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.6
ALT/AZ=58.6 -14.1
fwAVG=1.53
sdW=134.3
fwW=1.38
sdS=435.1
fwS=1.67
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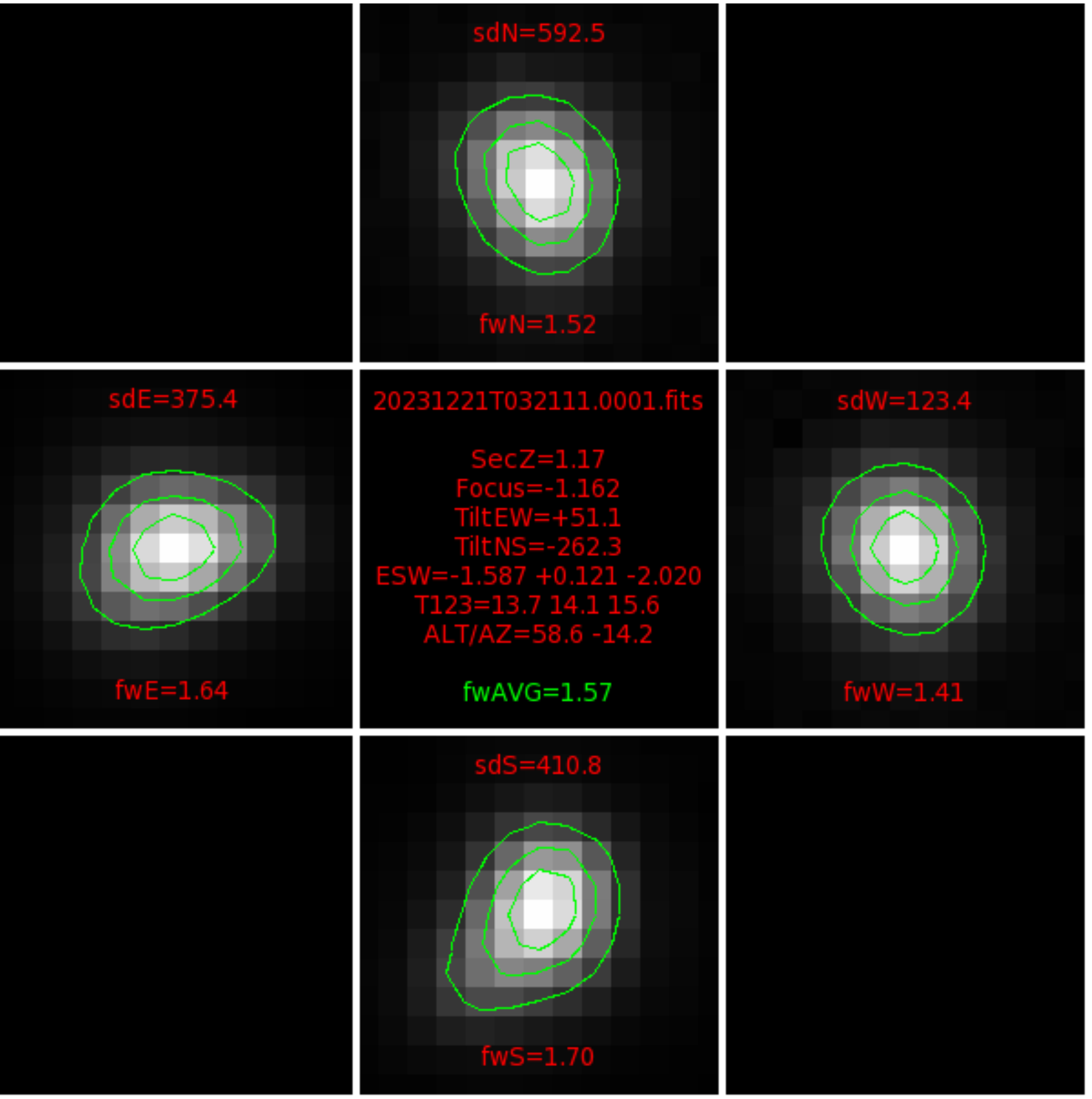
sdN=592.5
fwN=1.52
sdE=375.4
fwE=1.64
20231221T032111.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.6
ALT/AZ=58.6 -14.2
fwAVG=1.57
sdW=123.4
fwW=1.41
sdS=410.8
fwS=1.70
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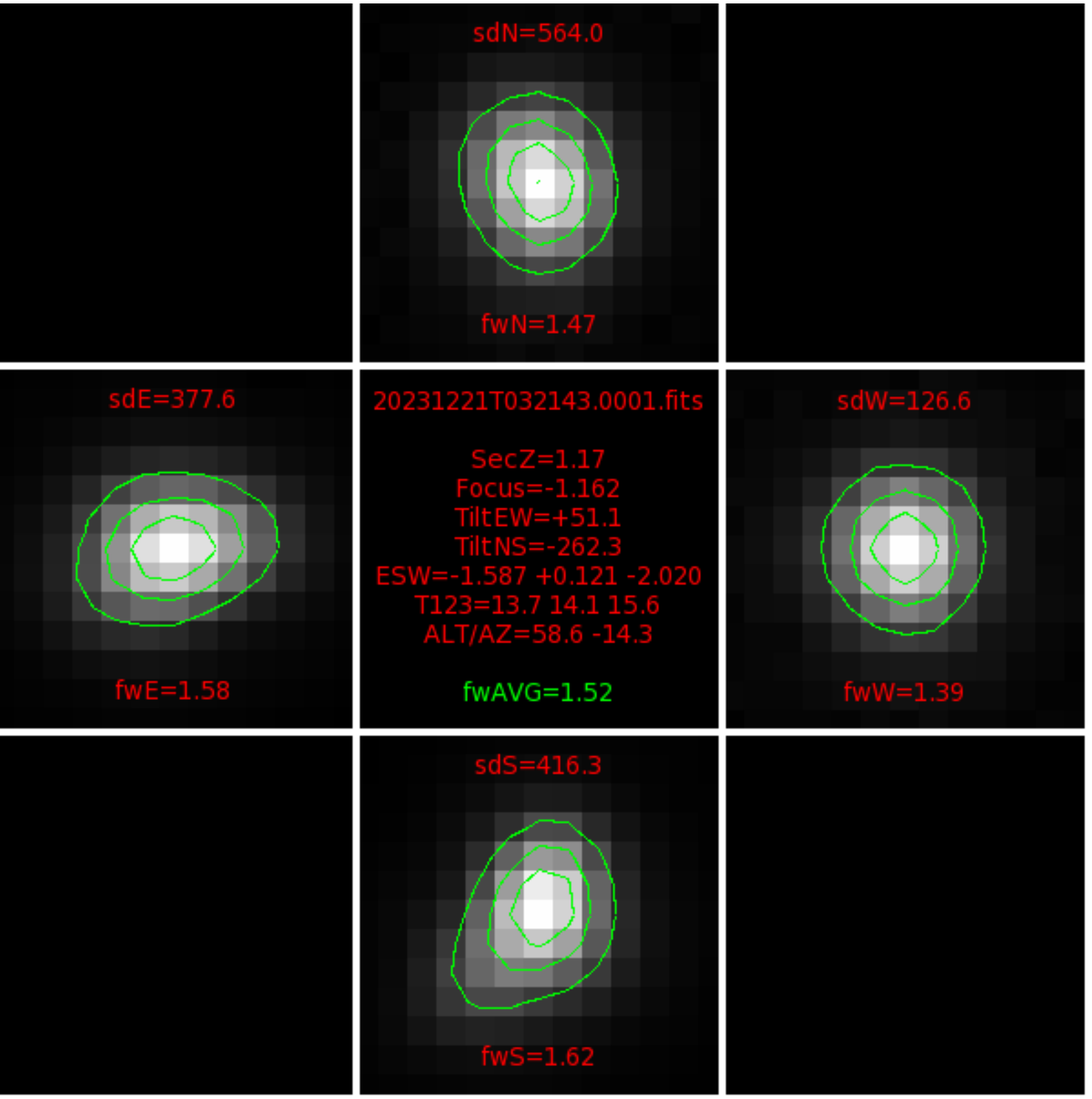
sdN=564.0
fwN=1.47
sdE=377.6
fwE=1.58
20231221T032143.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.6
ALT/AZ=58.6 -14.3
fwAVG=1.52
sdW=126.6
fwW=1.39
sdS=416.3
fwS=1.62
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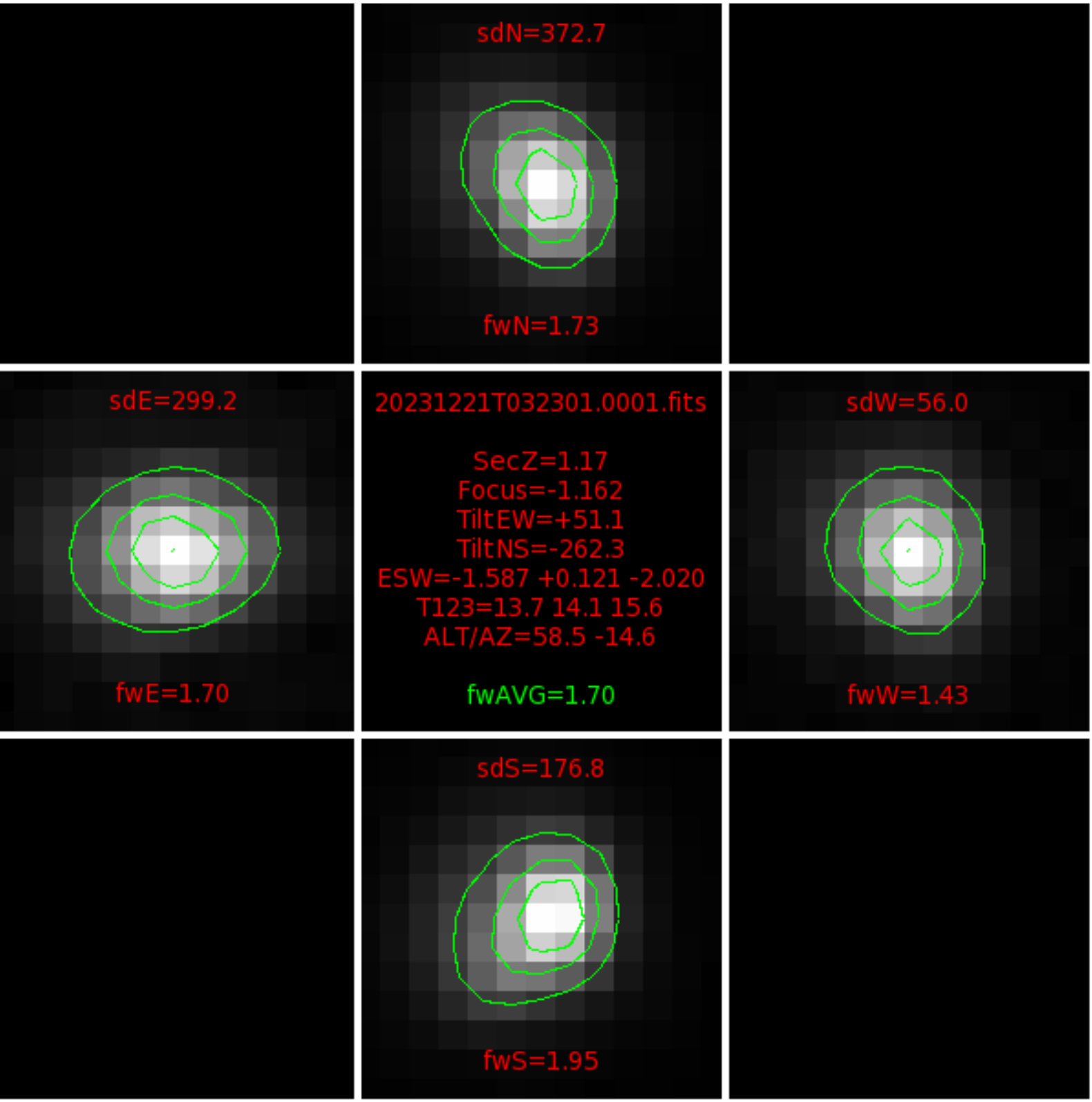
sdN=372.7
fwN=1.73
sdE=299.2
fwE=1.70
20231221T032301.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.6
ALT/AZ=58.5 -14.6
fwAVG=1.70
sdW=56.0
fwW=1.43
sdS=176.8
fwS=1.95
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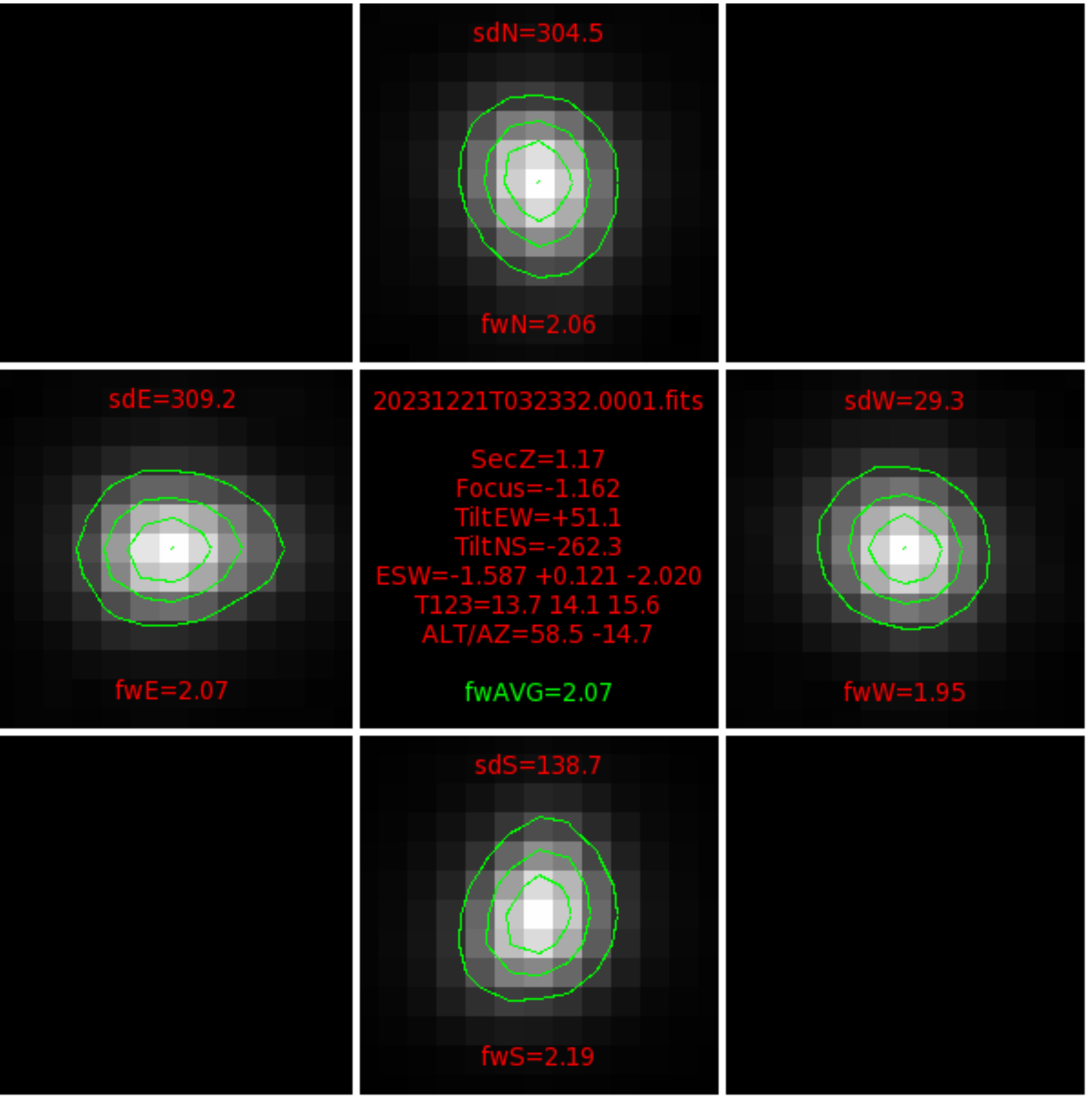
sdN=304.5
fwN=2.06
sdE=309.2
fwE=2.07
20231221T032332.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.6
ALT/AZ=58.5 -14.7
fwAVG=2.07
sdW=29.3
fwW=1.95
sdS=138.7
fwS=2.19
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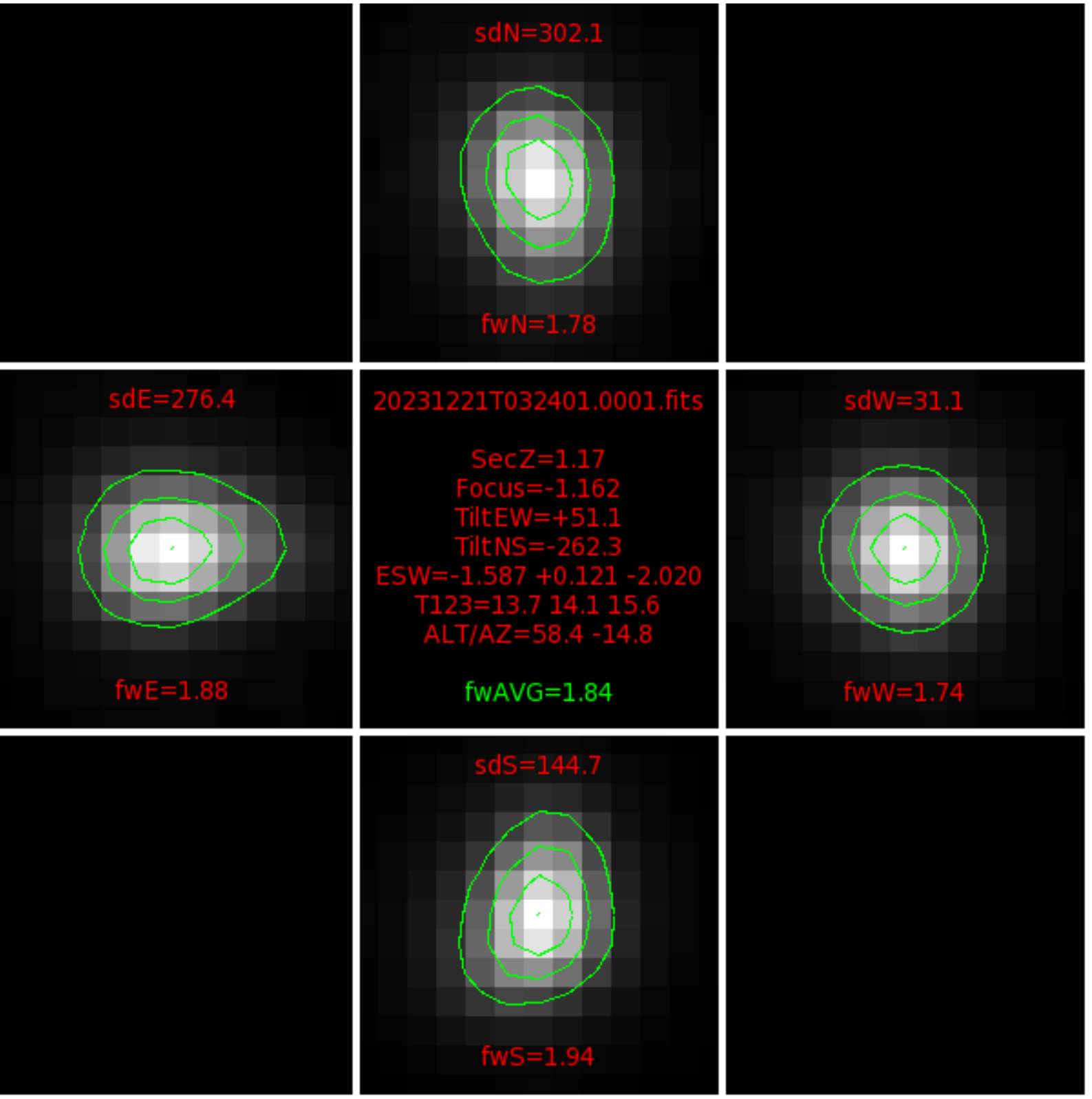
sdN=302.1
fwN=1.78
sdE=276.4
fwE=1.88
20231221T032401.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.6
ALT/AZ=58.4 -14.8
fwAVG=1.84
sdW=31.1
fwW=1.74
sdS=144.7
fwS=1.94
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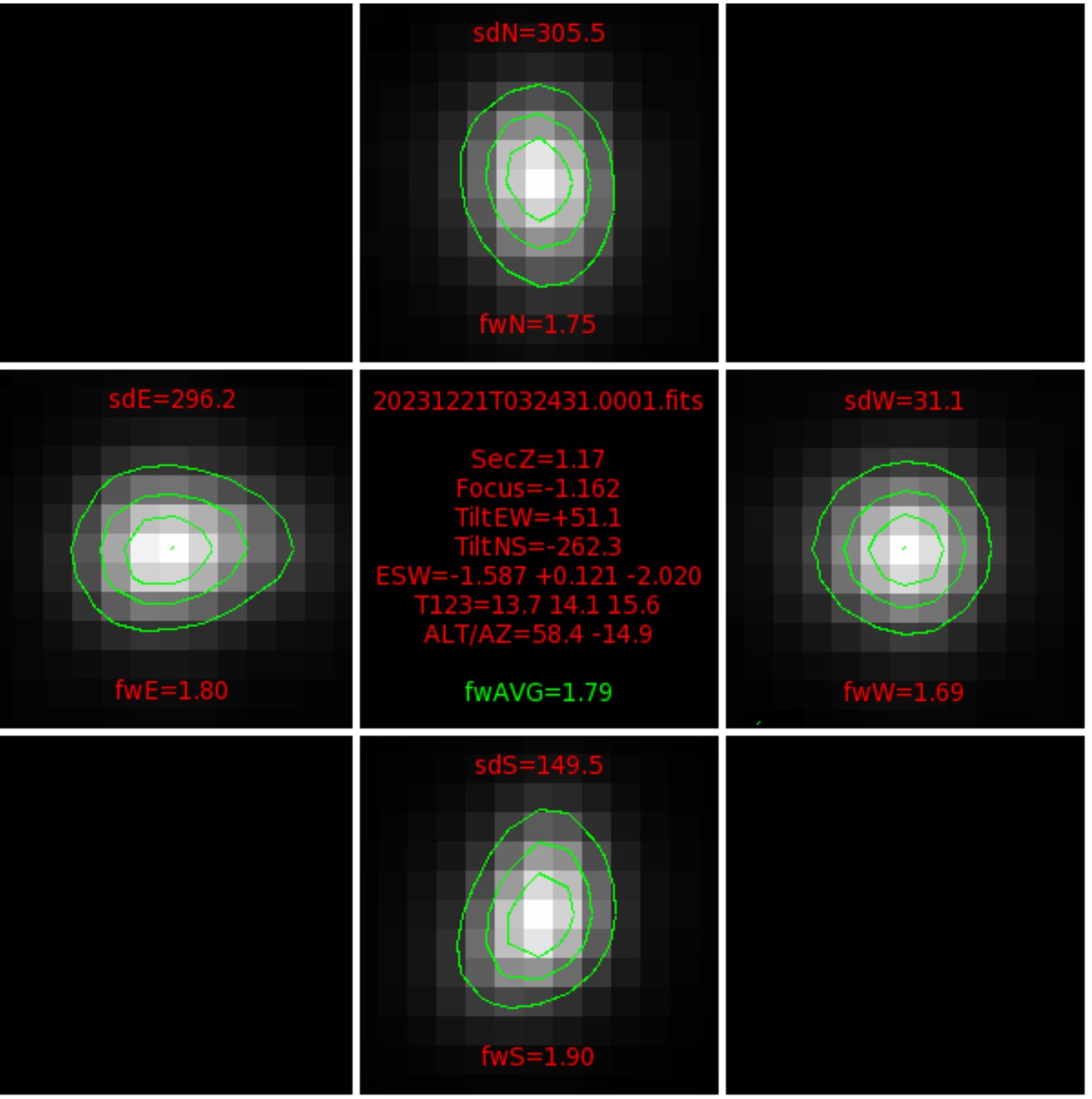
sdN=305.5
fwN=1.75
sdE=296.2
fwE=1.80
20231221T032431.0001.fits
SecZ=1.17
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.6
ALT/AZ=58.4 -14.9
fwAVG=1.79
sdW=31.1
fwW=1.69
sdS=149.5
fwS=1.90
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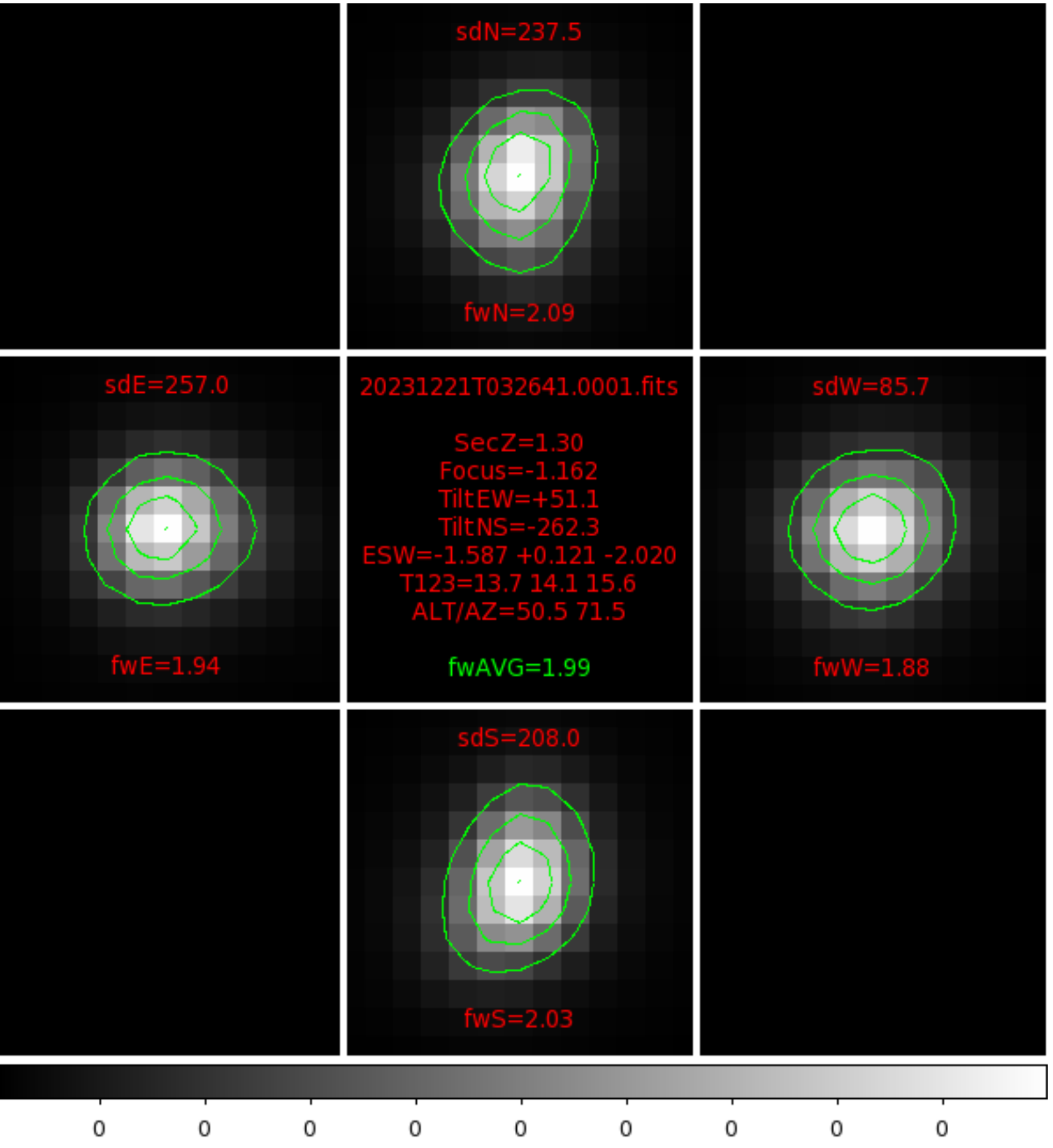
sdN=237.5
fwN=2.09
sdE=257.0
fwE=1.94
20231221T032641.0001.fits
SecZ=1.30
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.6
ALT/AZ=50.5 71.5
fwAVG=1.99
sdW=85.7
fwW=1.88
sdS=208.0
fwS=2.03
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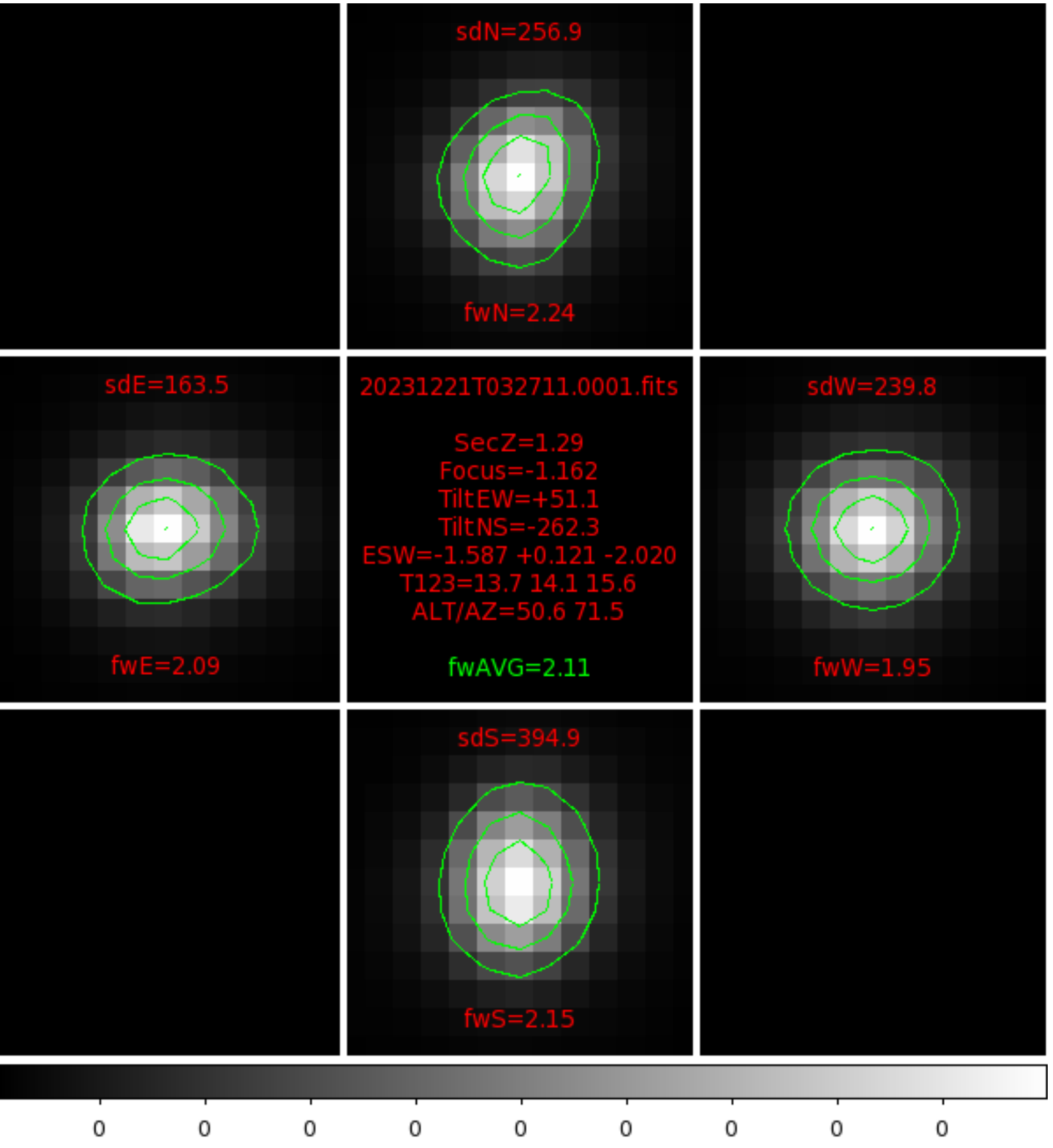
sdN=256.9
fwN=2.24
sdE=163.5
fwE=2.09
20231221T032711.0001.fits
SecZ=1.29
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.6
ALT/AZ=50.6 71.5
fwAVG=2.11
sdW=239.8
fwW=1.95
sdS=394.9
fwS=2.15
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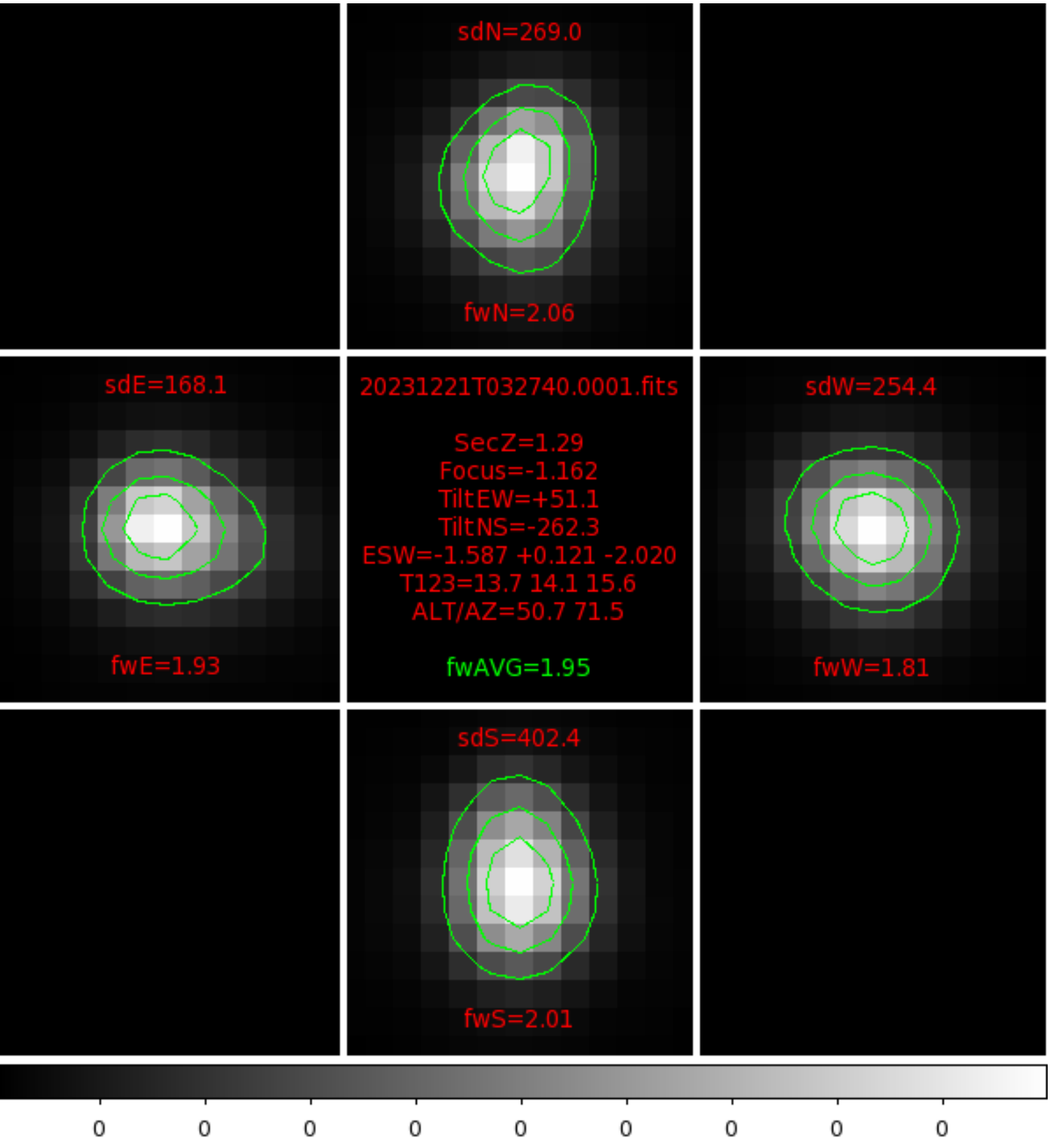
sdN=269.0
fwN=2.06
sdE=168.1
fwE=1.93
20231221T032740.0001.fits
SecZ=1.29
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.7 14.1 15.6
ALT/AZ=50.7 71.5
fwAVG=1.95
sdW=254.4
fwW=1.81
sdS=402.4
fwS=2.01
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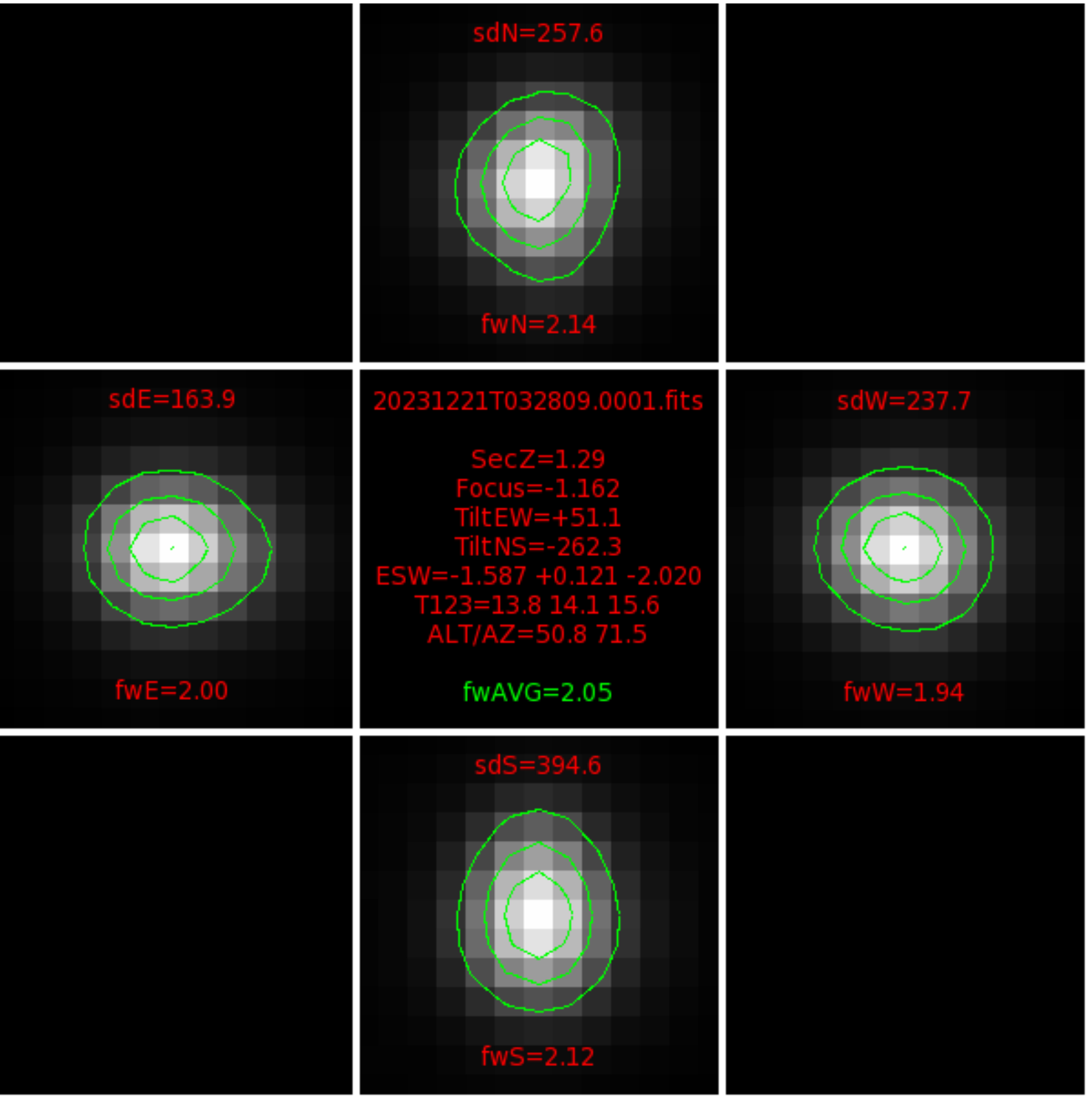
sdN=257.6
fwN=2.14
sdE=163.9
fwE=2.00
20231221T032809.0001.fits
SecZ=1.29
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.8 14.1 15.6
ALT/AZ=50.8 71.5
fwAVG=2.05
sdW=237.7
fwW=1.94
sdS=394.6
fwS=2.12
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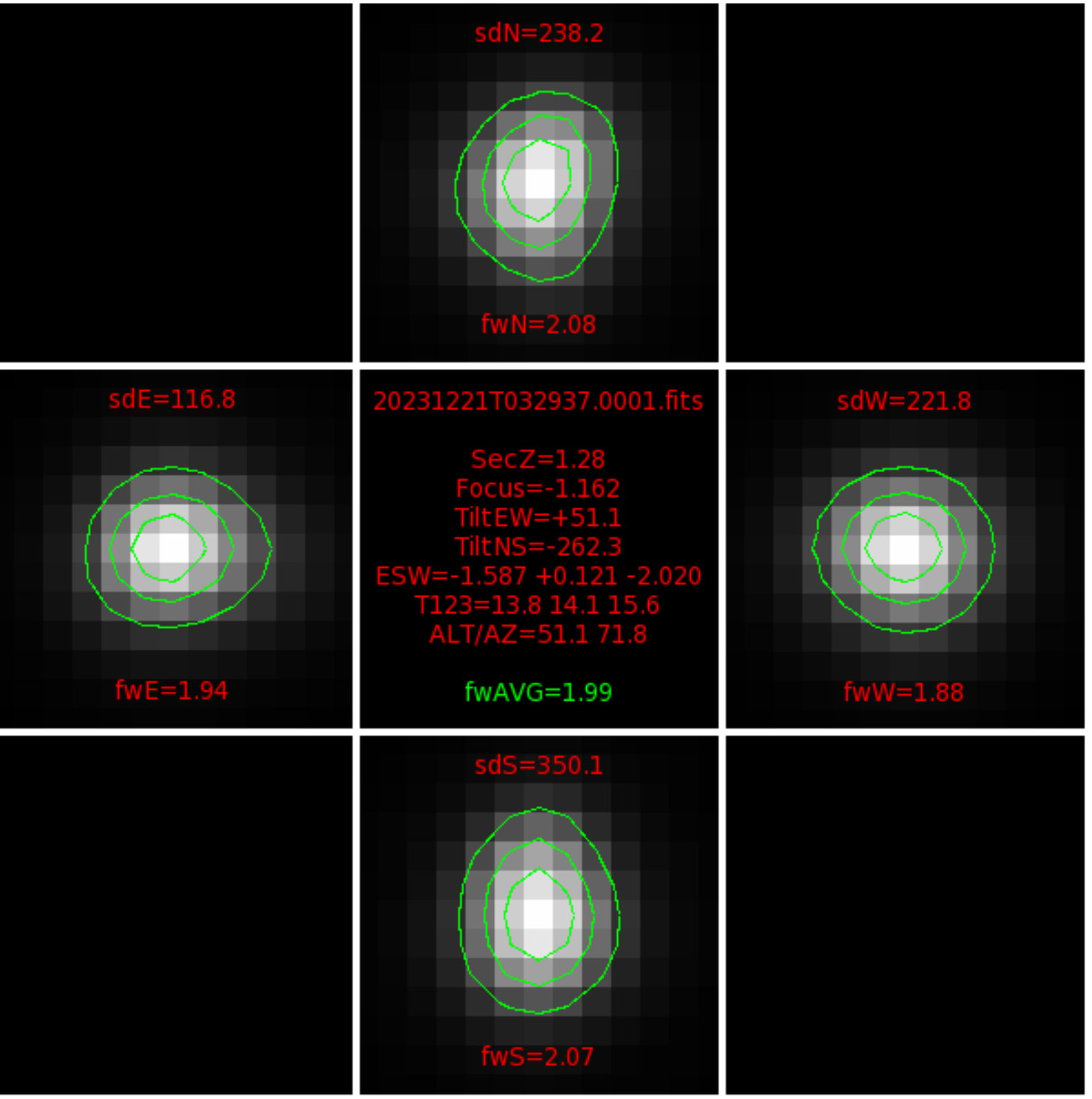
sdN=238.2
fwN=2.08
sdE=116.8
fwE=1.94
20231221T032937.0001.fits
SecZ=1.28
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.8 14.1 15.6
ALT/AZ=51.1 71.8
fwAVG=1.99
sdW=221.8
fwW=1.88
sdS=350.1
fwS=2.07
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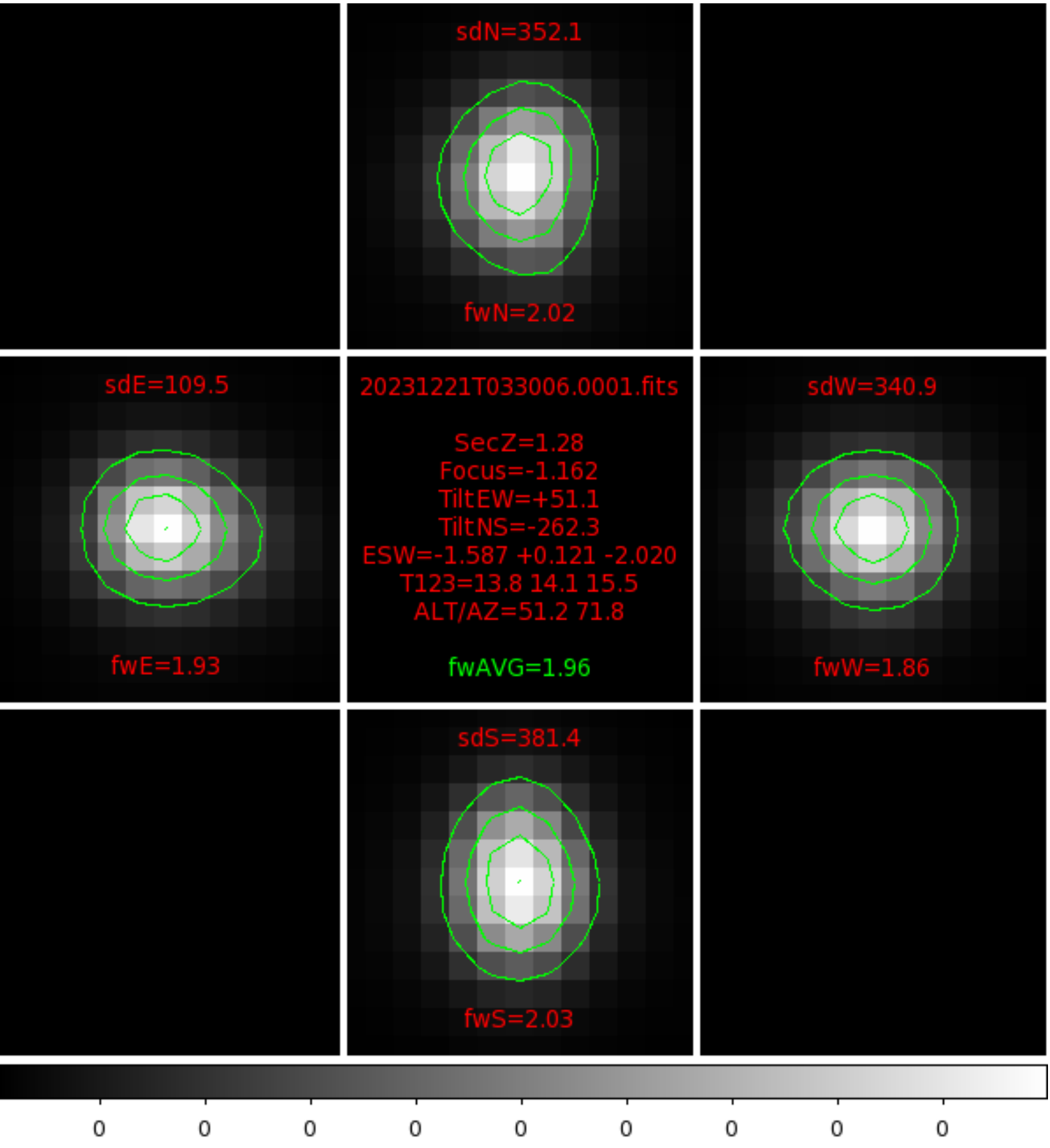
sdN=352.1
fwN=2.02
sdE=109.5
fwE=1.93
20231221T033006.0001.fits
SecZ=1.28
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.8 14.1 15.5
ALT/AZ=51.2 71.8
fwAVG=1.96
sdW=340.9
fwW=1.86
sdS=381.4
fwS=2.03
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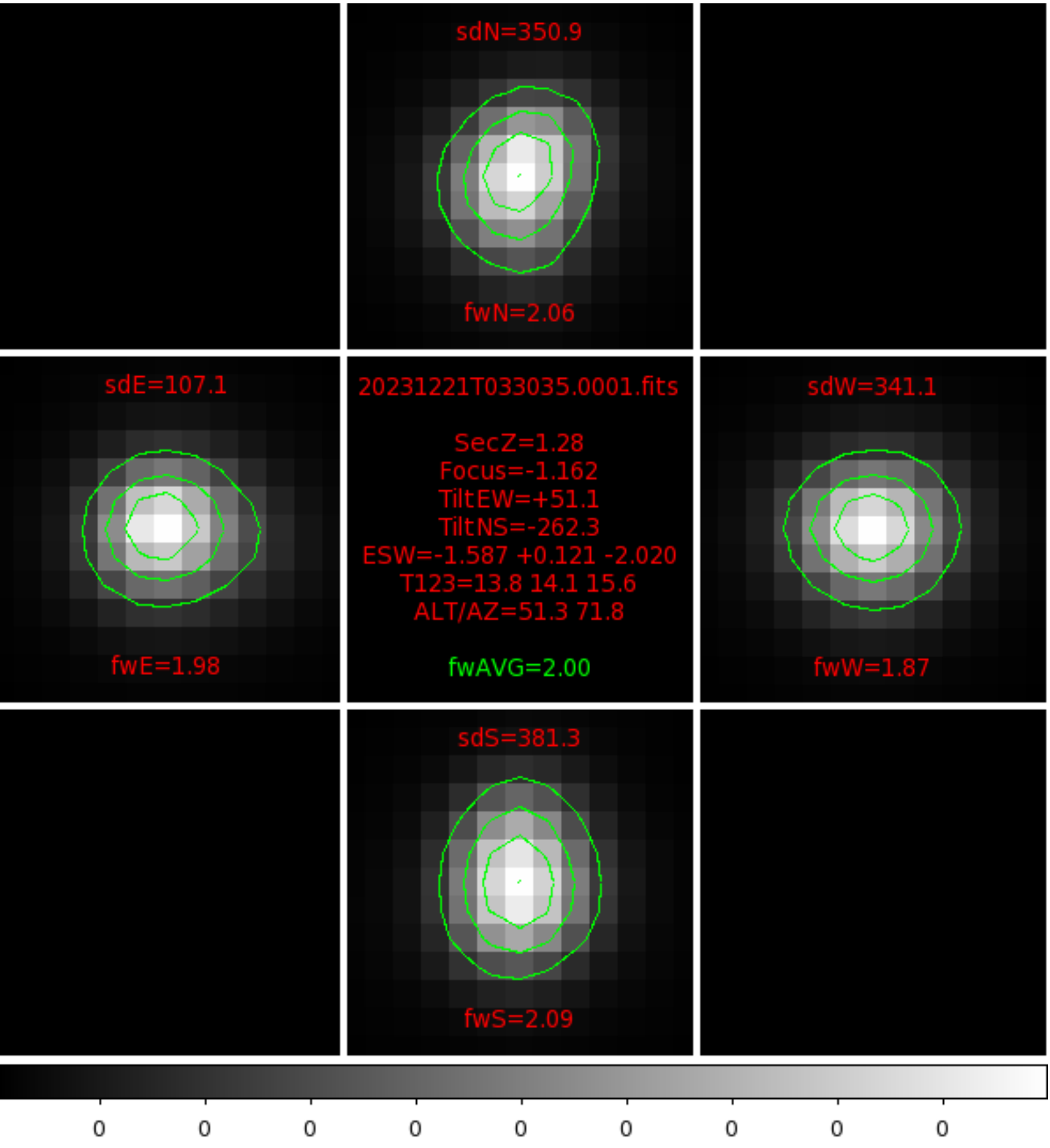
sdN=350.9
fwN=2.06
sdE=107.1
fwE=1.98
20231221T033035.0001.fits
SecZ=1.28
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.8 14.1 15.6
ALT/AZ=51.3 71.8
fwAVG=2.00
sdW=341.1
fwW=1.87
sdS=381.3
fwS=2.09
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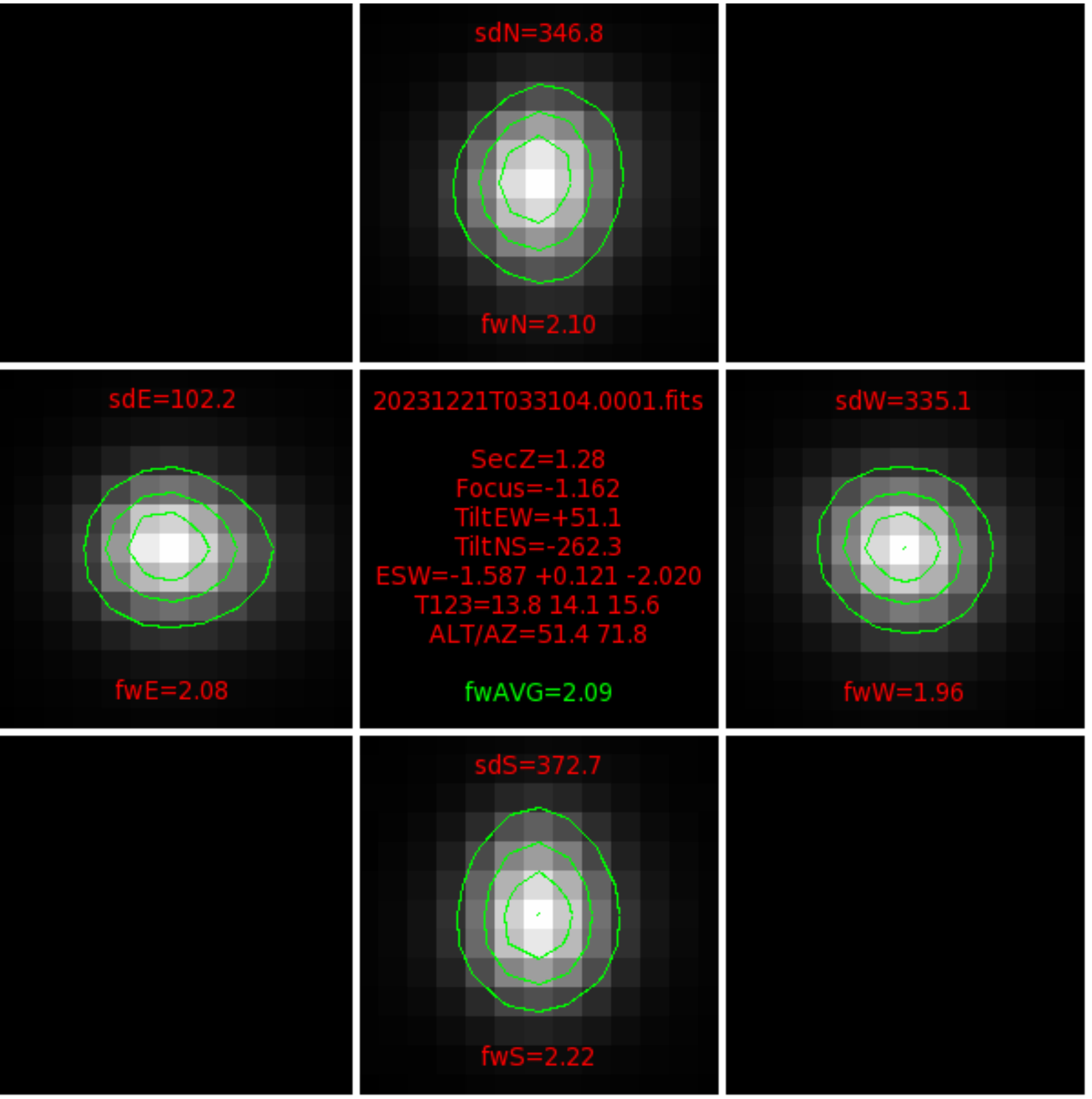
sdN=346.8
fwN=2.10
sdE=102.2
fwE=2.08
20231221T033104.0001.fits
SecZ=1.28
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.8 14.1 15.6
ALT/AZ=51.4 71.8
fwAVG=2.09
sdW=335.1
fwW=1.96
sdS=372.7
fwS=2.22
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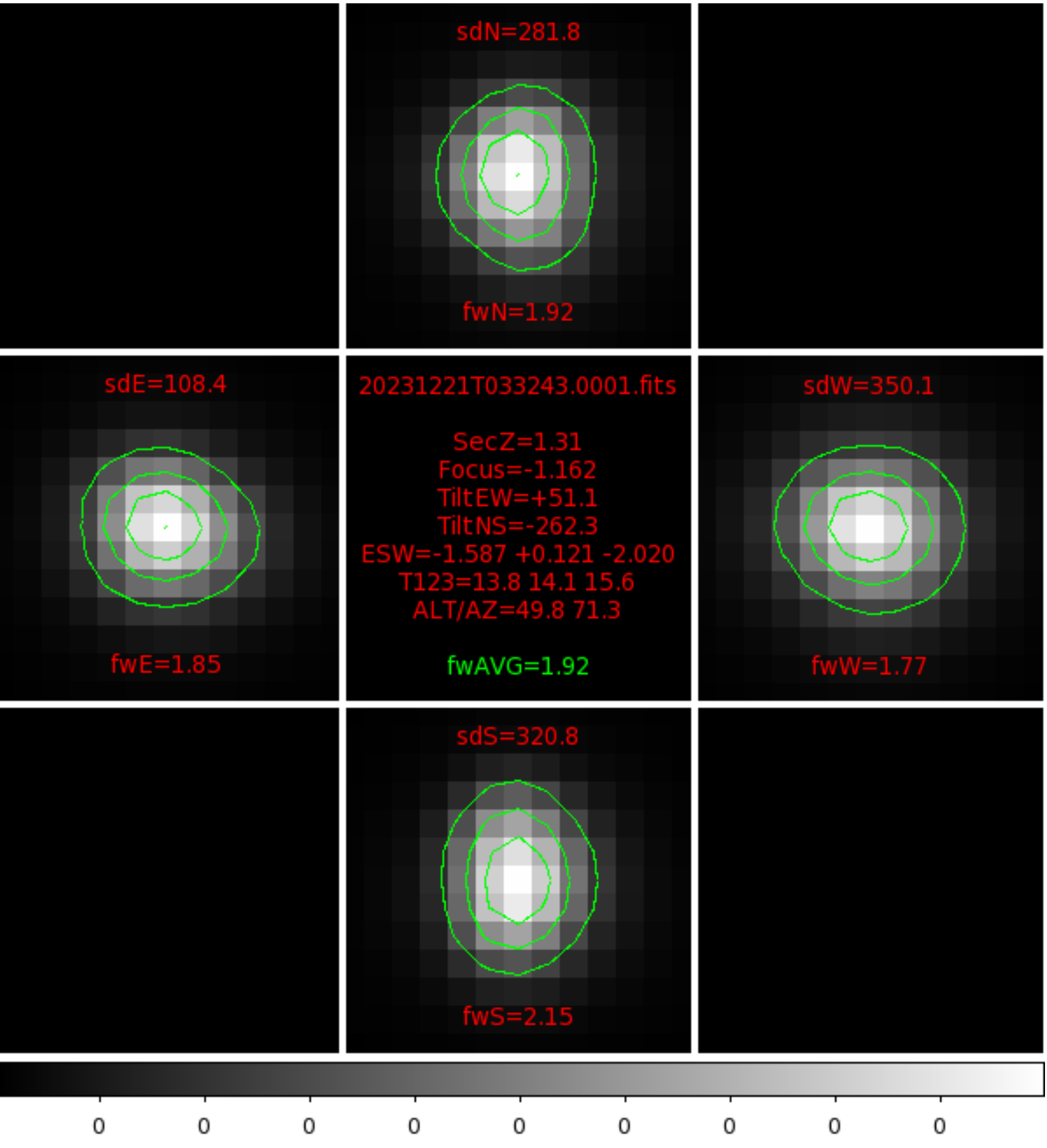
sdN=281.8
fwN=1.92
sdE=108.4
fwE=1.85
20231221T033243.0001.fits
SecZ=1.31
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.8 14.1 15.6
ALT/AZ=49.8 71.3
fwAVG=1.92
sdW=350.1
fwW=1.77
sdS=320.8
fwS=2.15
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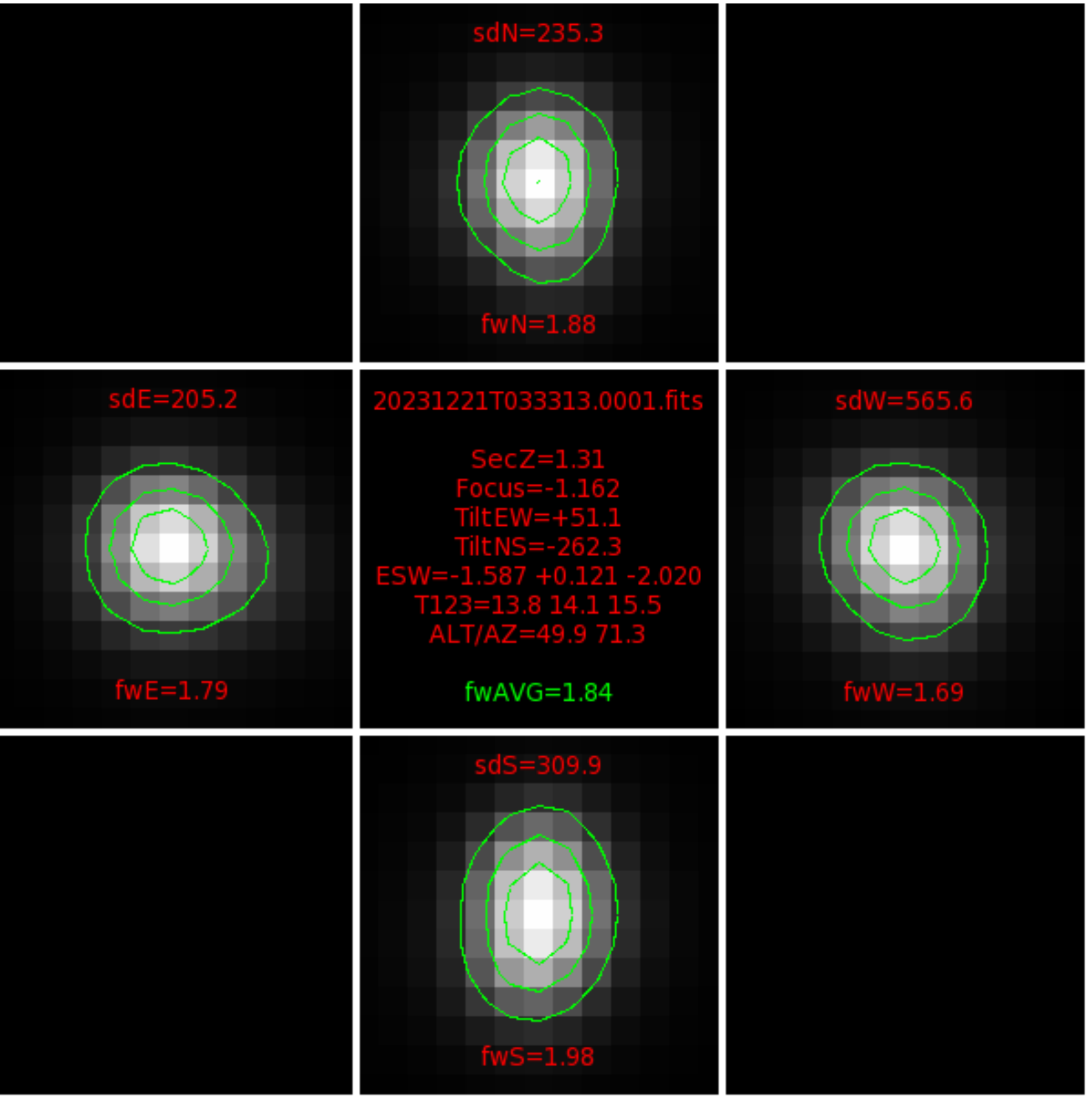
sdN=235.3
fwN=1.88
sdE=205.2
fwE=1.79
20231221T033313.0001.fits
SecZ=1.31
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.8 14.1 15.5
ALT/AZ=49.9 71.3
fwAVG=1.84
sdW=565.6
fwW=1.69
sdS=309.9
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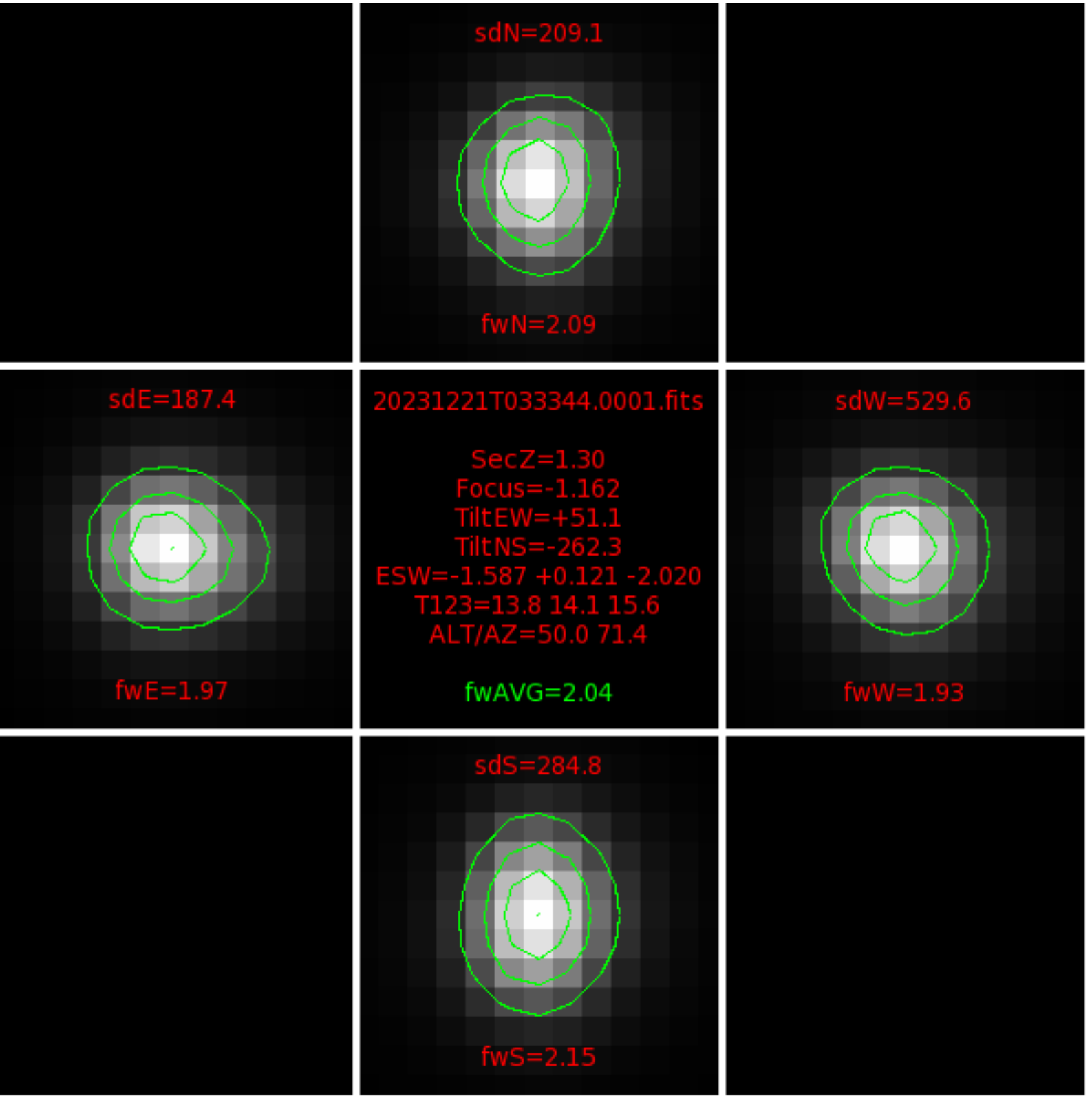
sdN=209.1
fwN=2.09
sdE=187.4
fwE=1.97
20231221T033344.0001.fits
SecZ=1.30
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.8 14.1 15.6
ALT/AZ=50.0 71.4
fwAVG=2.04
sdW=529.6
fwW=1.93
sdS=284.8
fwS=2.15
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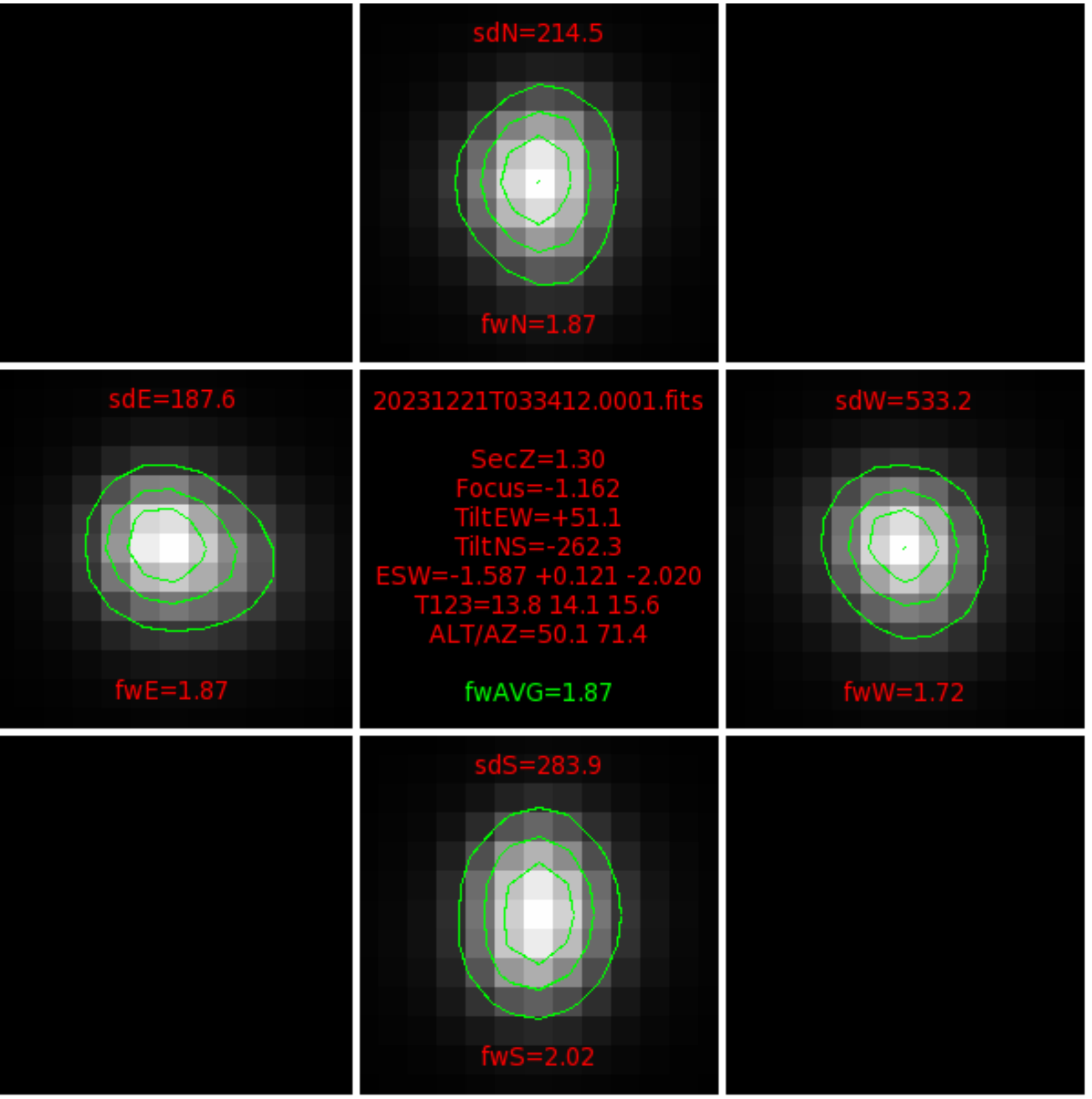
sdN=214.5
fwN=1.87
sdE=187.6
fwE=1.87
20231221T033412.0001.fits
SecZ=1.30
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.8 14.1 15.6
ALT/AZ=50.1 71.4
fwAVG=1.87
sdW=533.2
fwW=1.72
sdS=283.9
fwS=2.02
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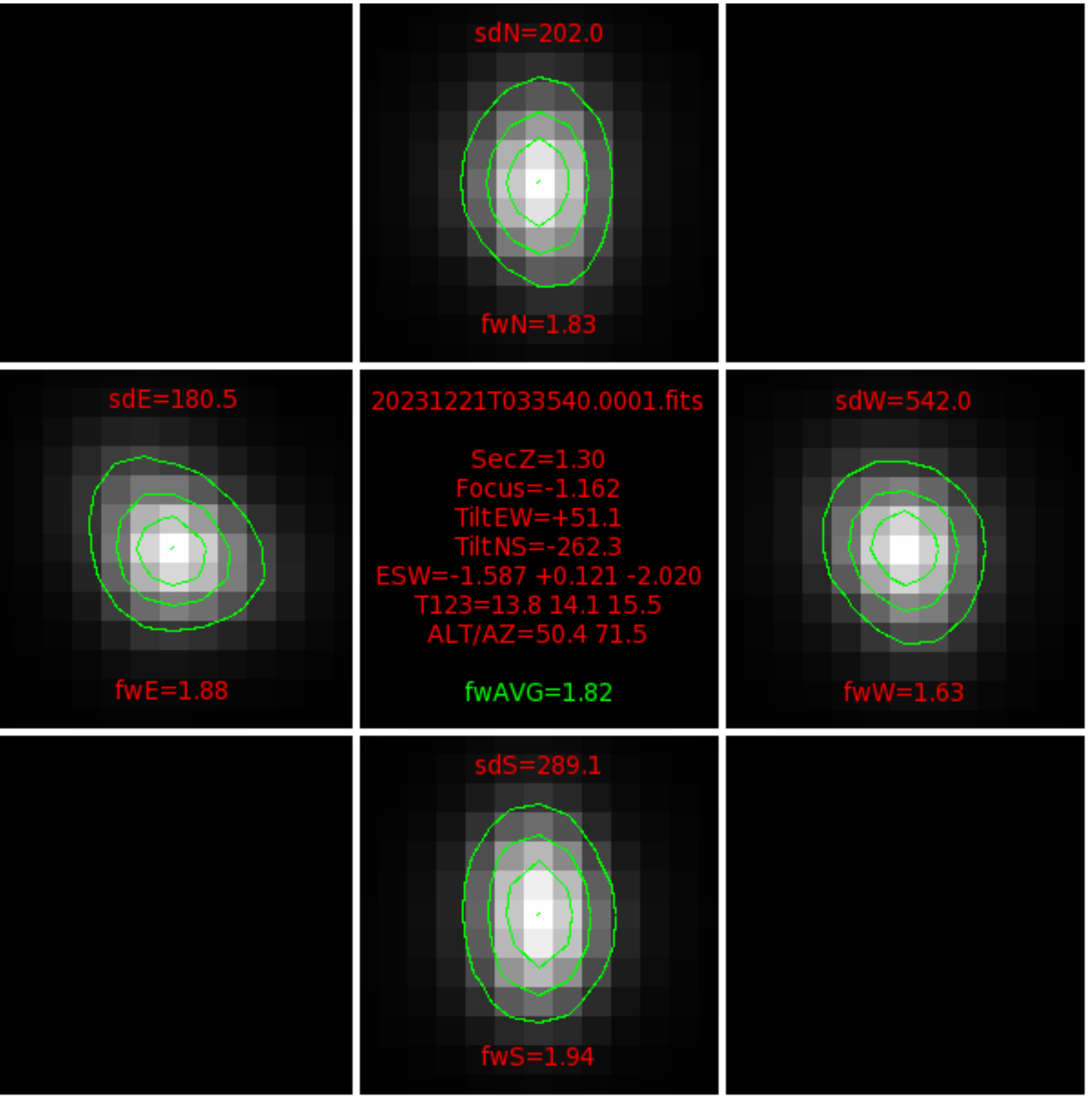
sdN=202.0
fwN=1.83
sdE=180.5
fwE=1.88
20231221T033540.0001.fits
SecZ=1.30
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.8 14.1 15.5
ALT/AZ=50.4 71.5
fwAVG=1.82
sdW=542.0
fwW=1.63
sdS=289.1
fwS=1.94
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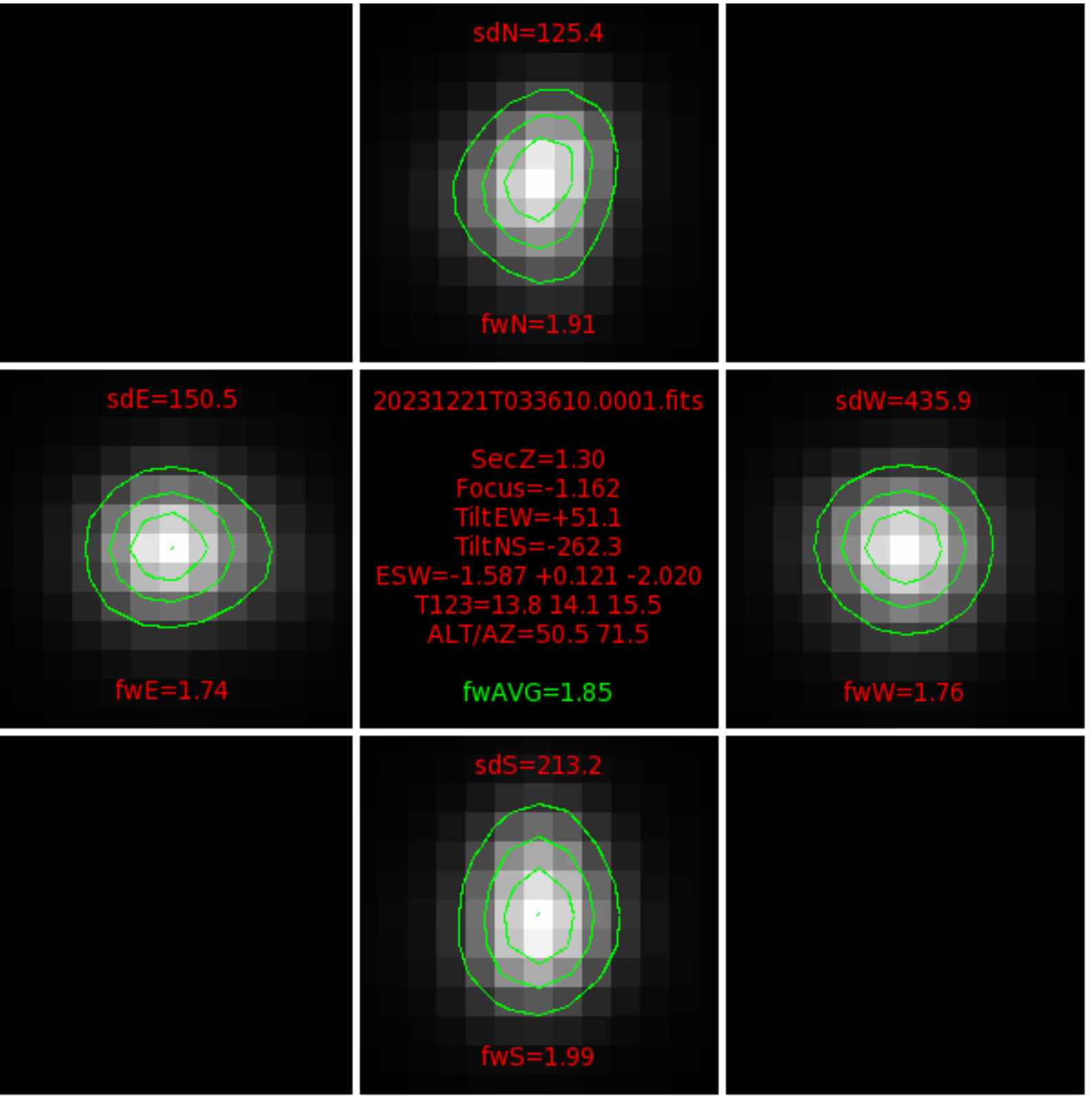
sdN=125.4
fwN=1.91
sdE=150.5
fwE=1.74
20231221T033610.0001.fits
SecZ=1.30
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.8 14.1 15.5
ALT/AZ=50.5 71.5
fwAVG=1.85
sdW=435.9
fwW=1.76
sdS=213.2
fwS=1.99
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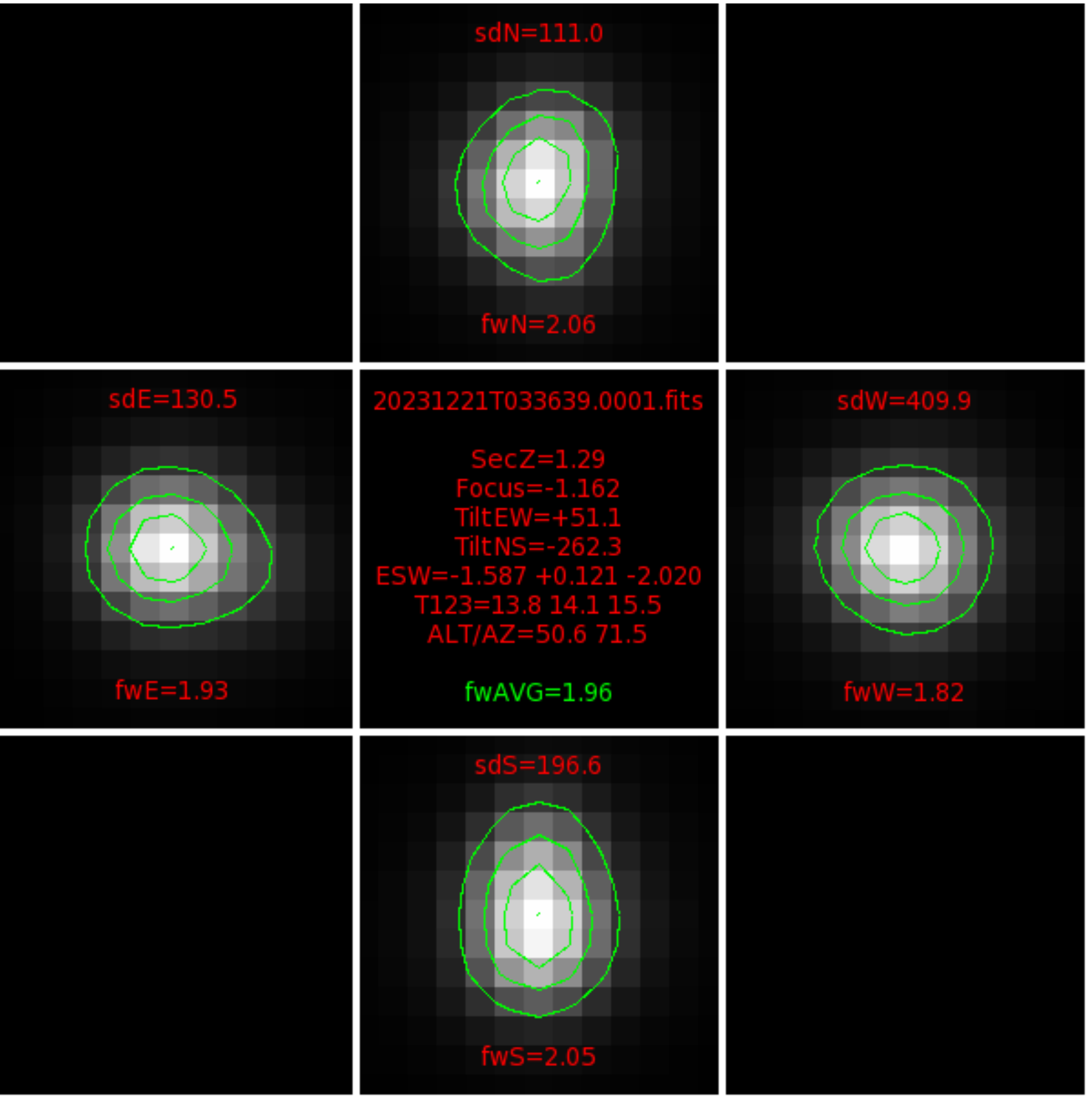
sdN=111.0
fwN=2.06
sdE=130.5
fwE=1.93
20231221T033639.0001.fits
SecZ=1.29
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.8 14.1 15.5
ALT/AZ=50.6 71.5
fwAVG=1.96
sdW=409.9
fwW=1.82
sdS=196.6
fwS=2.05
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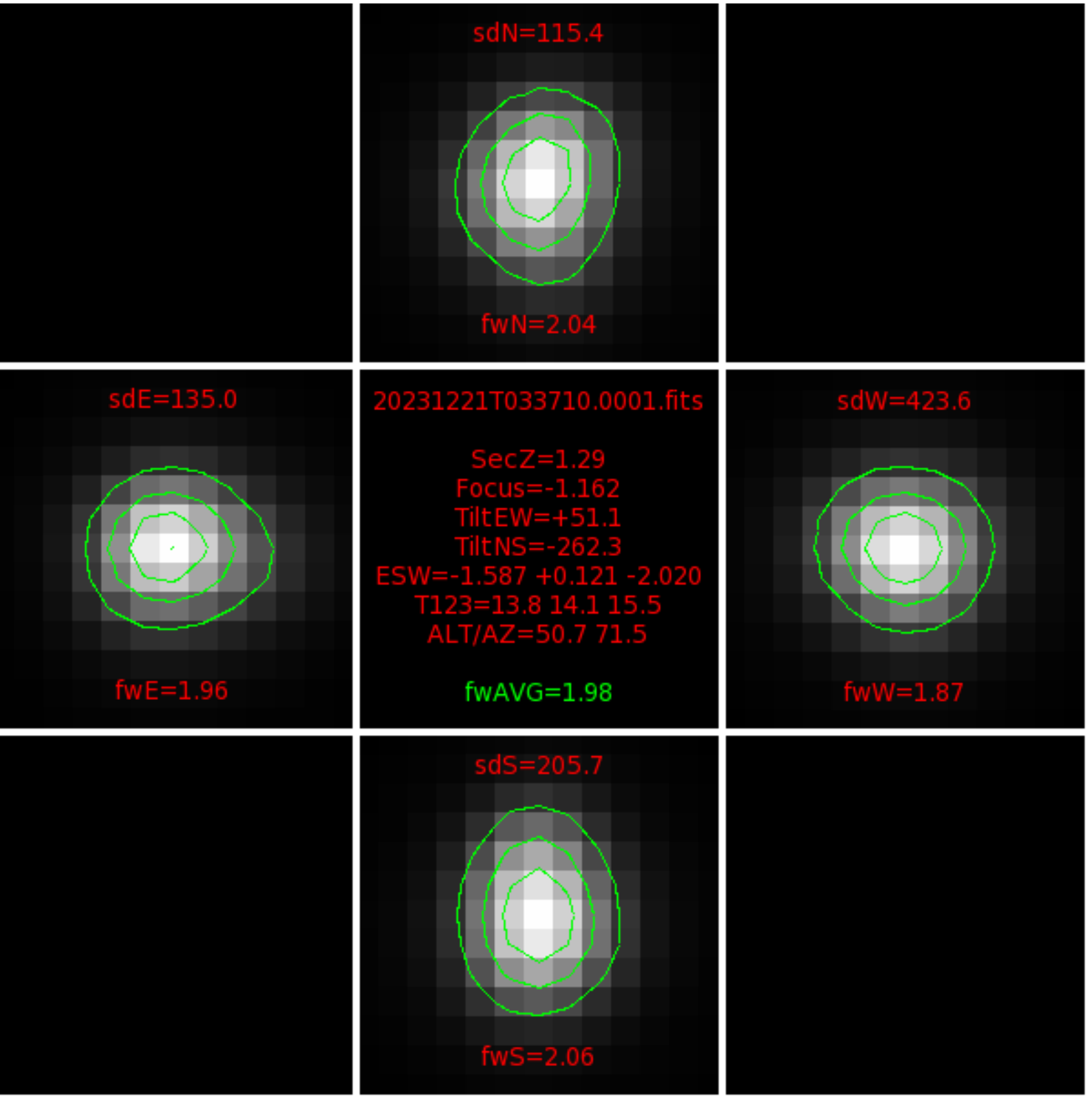
sdN=115.4
fwN=2.04
sdE=135.0
fwE=1.96
20231221T033710.0001.fits
SecZ=1.29
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.8 14.1 15.5
ALT/AZ=50.7 71.5
fwAVG=1.98
sdW=423.6
fwW=1.87
sdS=205.7
fwS=2.06
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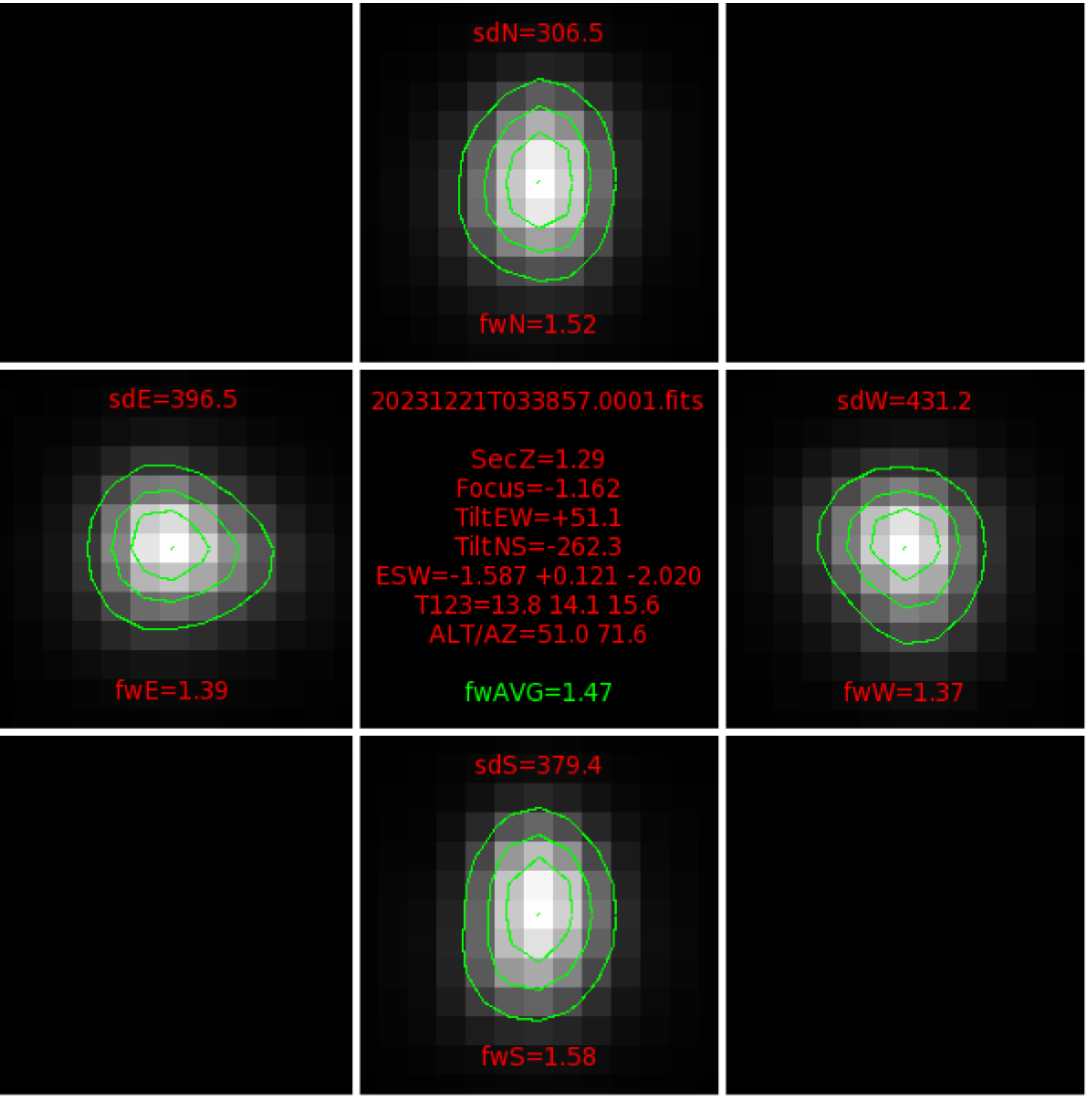
sdN=306.5
fwN=1.52
sdE=396.5
fwE=1.39
20231221T033857.0001.fits
SecZ=1.29
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.8 14.1 15.6
ALT/AZ=51.0 71.6
fwAVG=1.47
sdW=431.2
fwW=1.37
sdS=379.4
fwS=1.58
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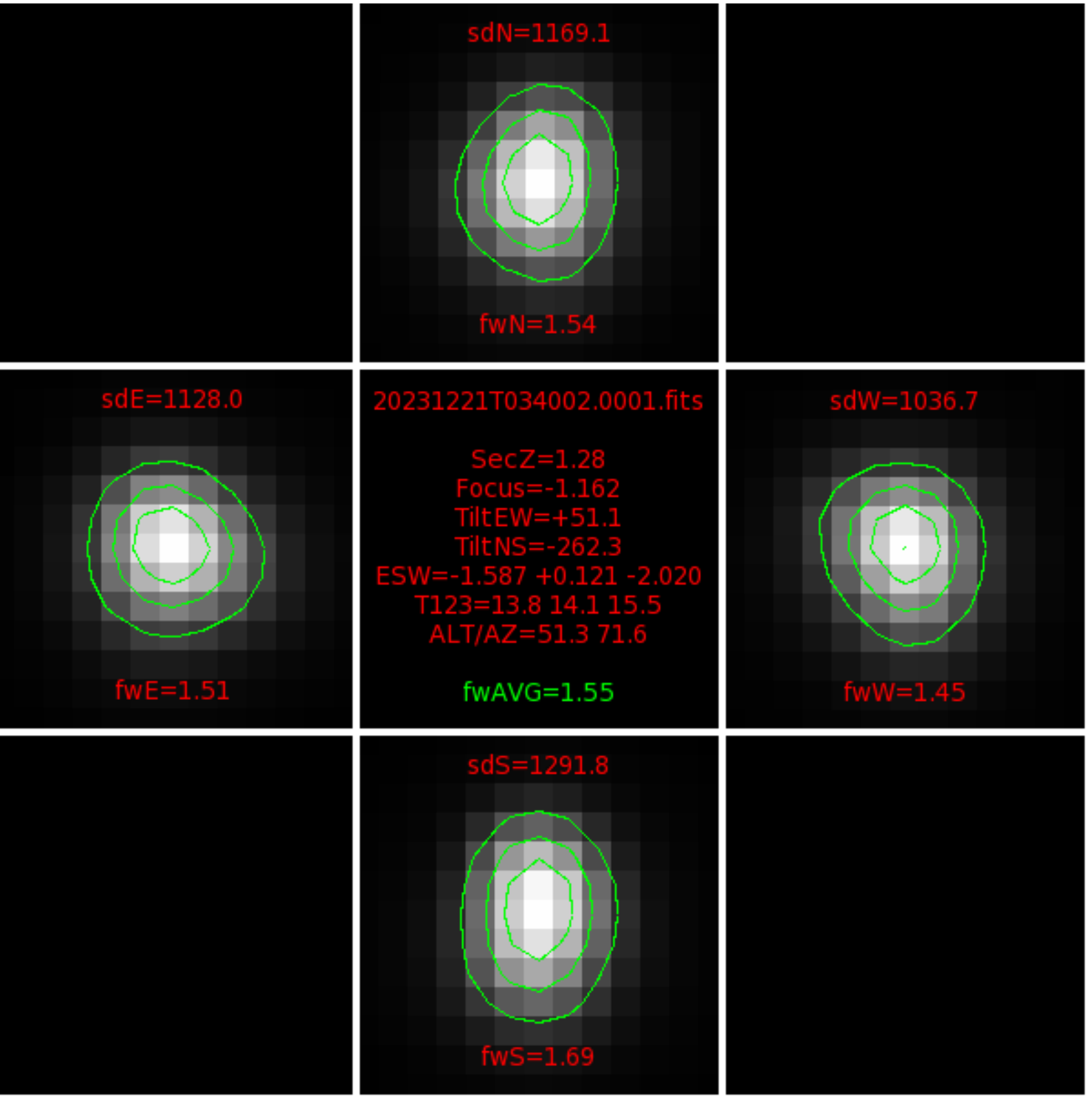
sdN=1169.1
fwN=1.54
sdE=1128.0
fwE=1.51
20231221T034002.0001.fits
SecZ=1.28
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.8 14.1 15.5
ALT/AZ=51.3 71.6
fwAVG=1.55
sdW=1036.7
fwW=1.45
sdS=1291.8
fwS=1.69
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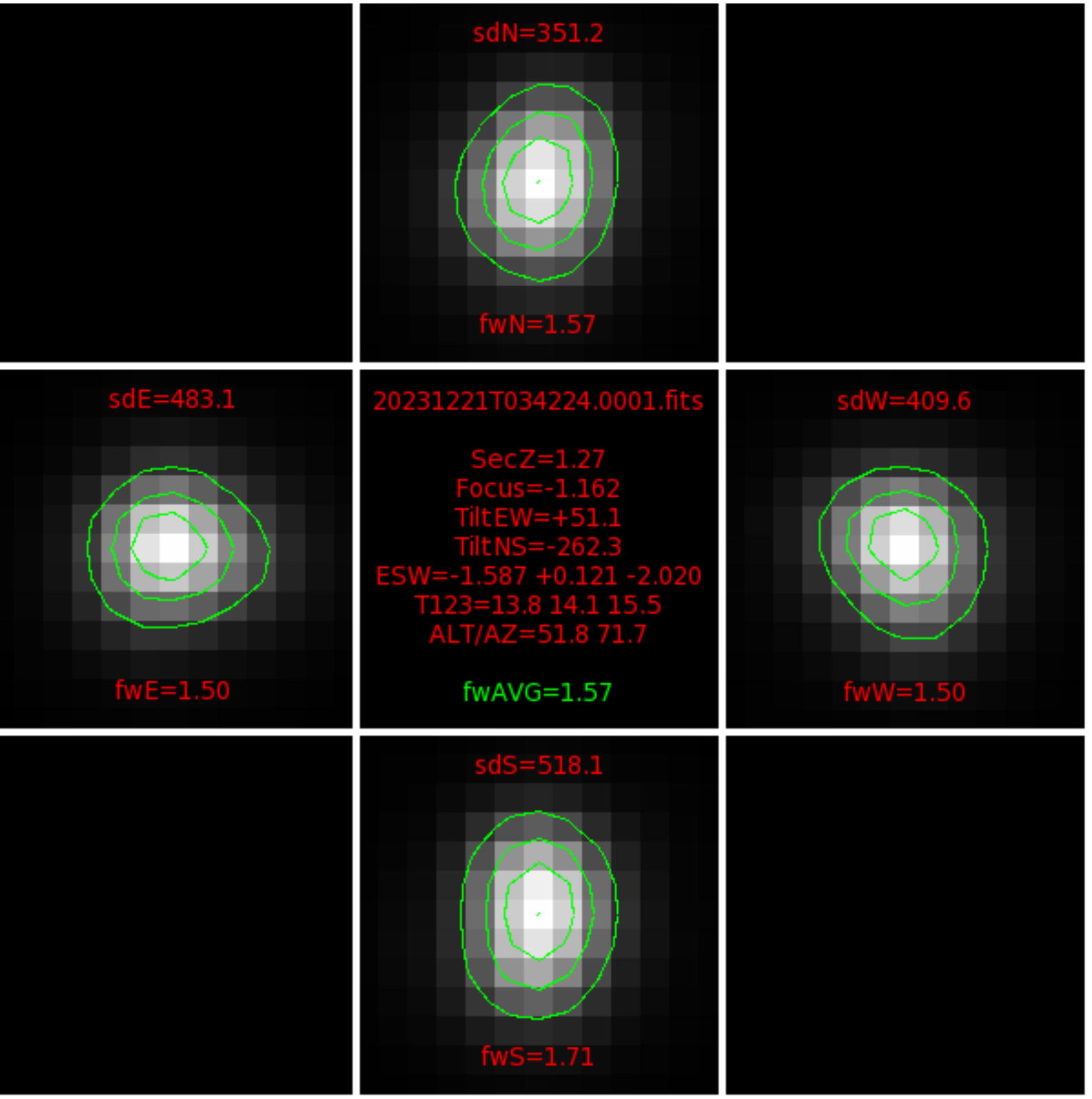
sdN=351.2
fwN=1.57
sdE=483.1
fwE=1.50
20231221T034224.0001.fits
SecZ=1.27
Focus=-1.162
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.587 +0.121 -2.020
T123=13.8 14.1 15.5
ALT/AZ=51.8 71.7
fwAVG=1.57
sdW=409.6
fwW=1.50
sdS=518.1
fwS=1.71
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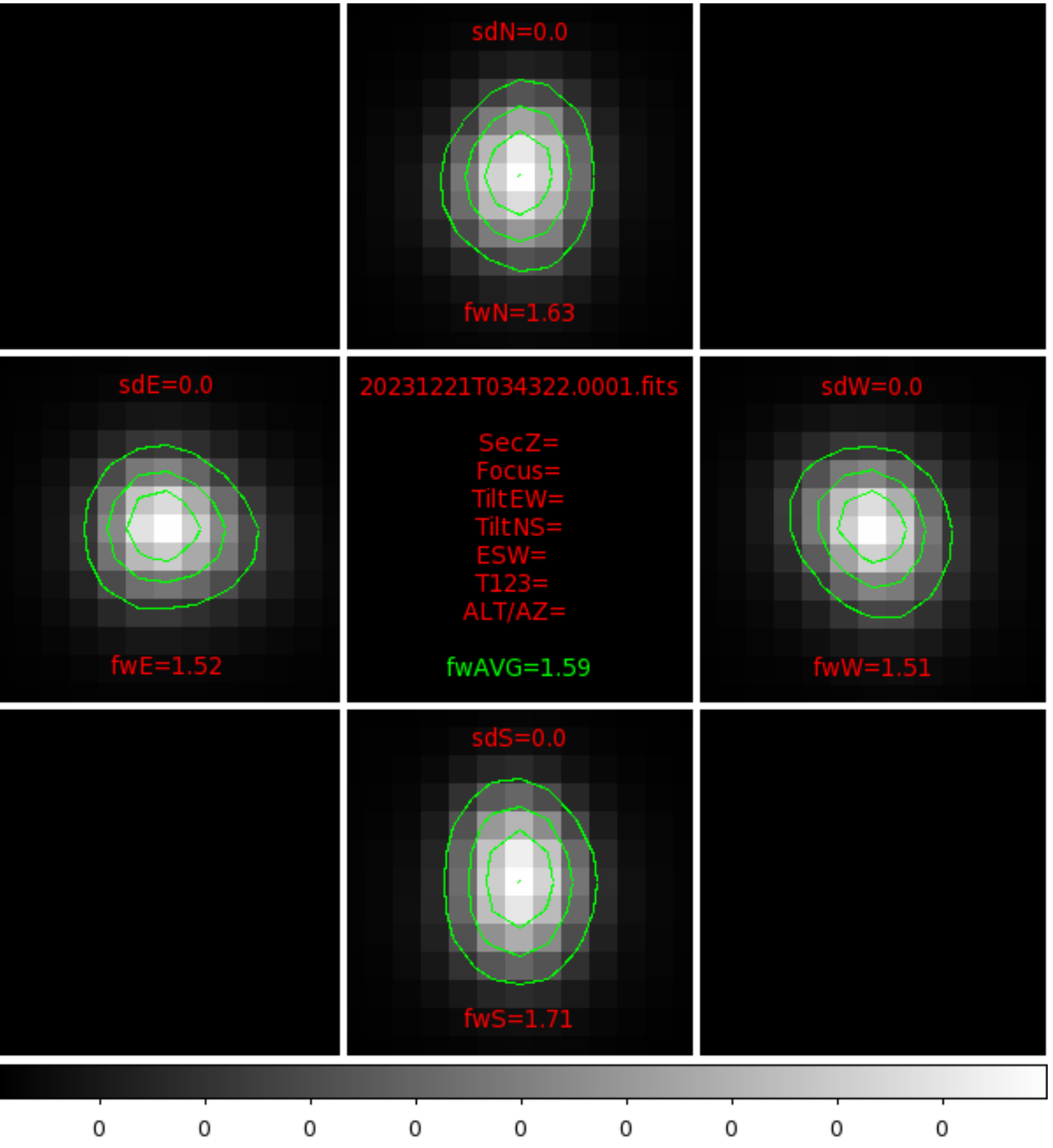
sdN=0.0
fwN=1.63
sdE=0.0
fwE=1.52
20231221T034322.0001.fits
SecZ=
Focus=
TiltEW=
TiltNS=
ESW=
T123=
ALT/AZ=
fwAVG=1.59
sdW=0.0
fwW=1.51
sdS=0.0
fwS=1.71
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0
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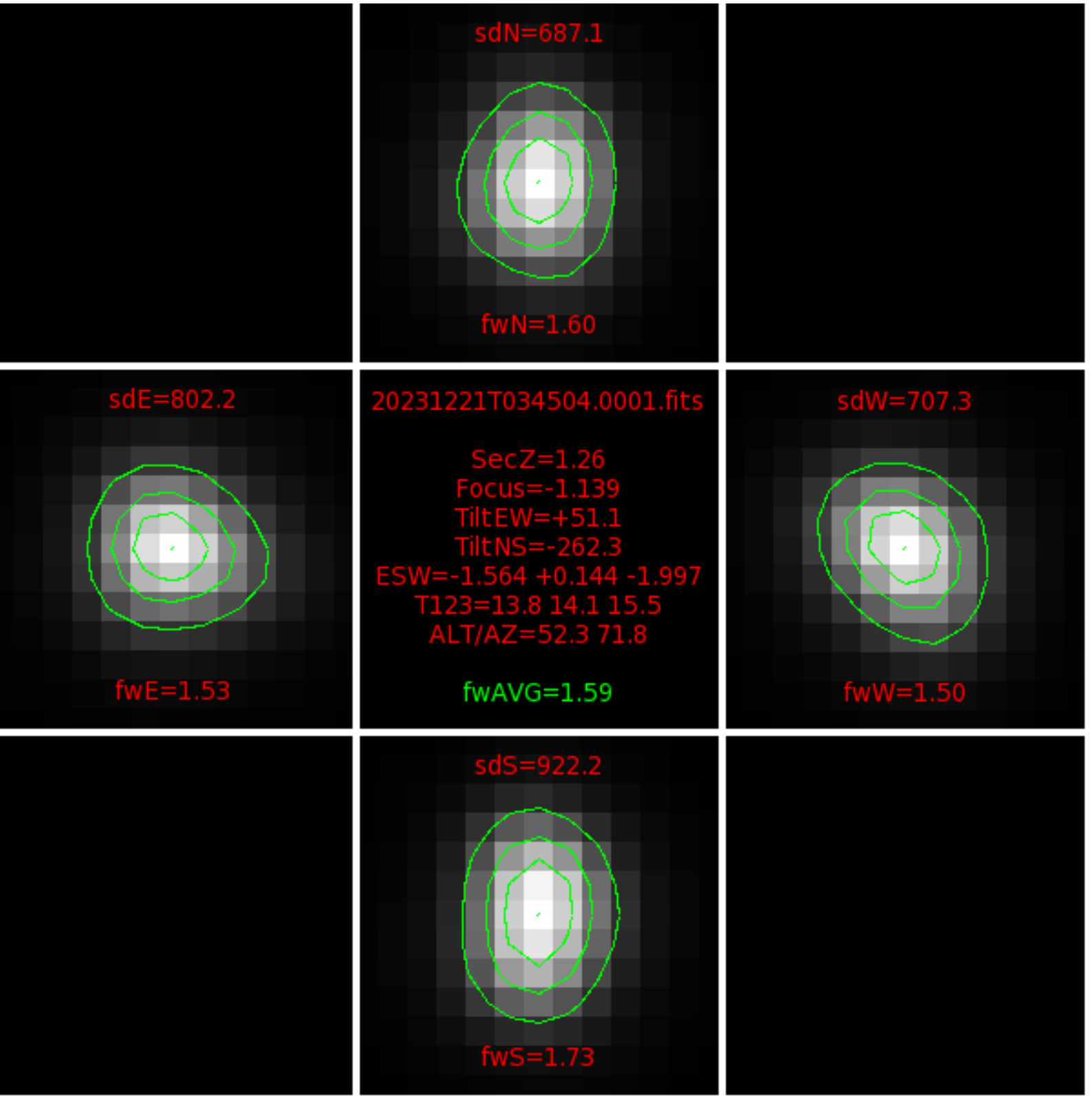
0
0


sdN=687.1
fwN=1.60
sdE=802.2
fwE=1.53
20231221T034504.0001.fits
SecZ=1.26
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=13.8 14.1 15.5
ALT/AZ=52.3 71.8
fwAVG=1.59
sdW=707.3
fwW=1.50
sdS=922.2
fwS=1.73
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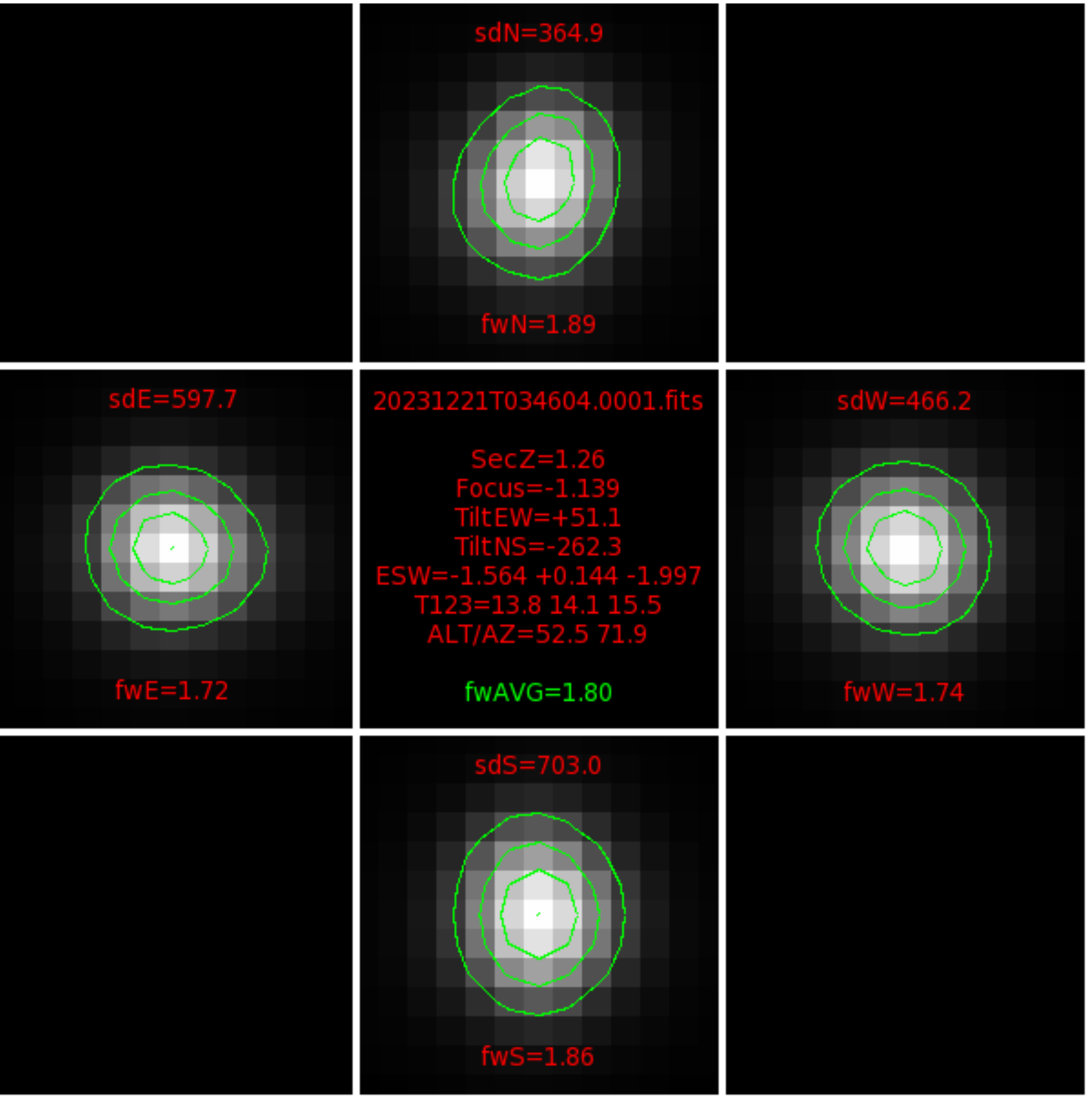
sdN=364.9
fwN=1.89
sdE=597.7
fwE=1.72
20231221T034604.0001.fits
SecZ=1.26
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=13.8 14.1 15.5
ALT/AZ=52.5 71.9
fwAVG=1.80
sdW=466.2
fwW=1.74
sdS=703.0
fwS=1.86
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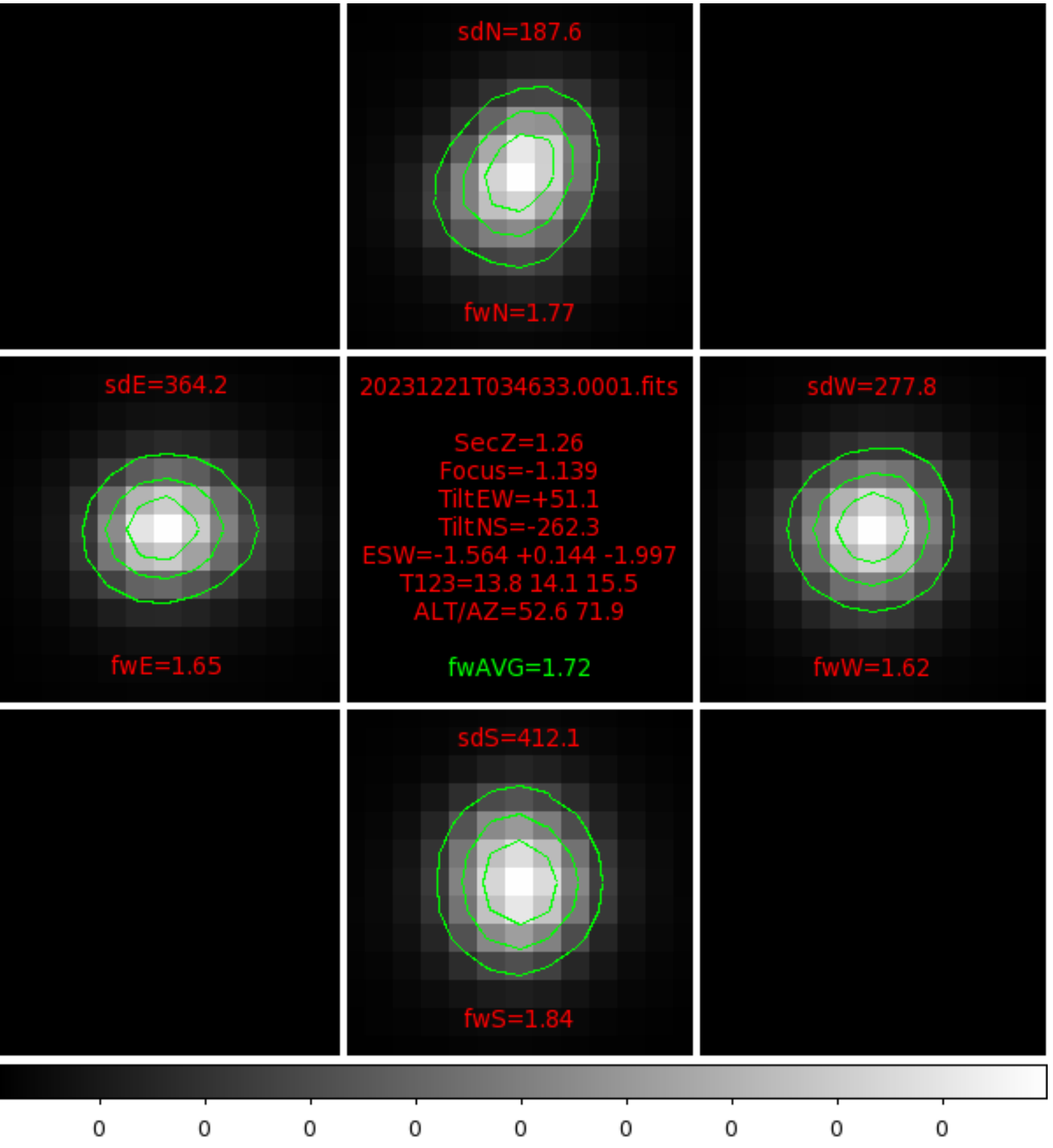
sdN=187.6
fwN=1.77
sdE=364.2
fwE=1.65
20231221T034633.0001.fits
SecZ=1.26
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=13.8 14.1 15.5
ALT/AZ=52.6 71.9
fwAVG=1.72
sdW=277.8
fwW=1.62
sdS=412.1
fwS=1.84
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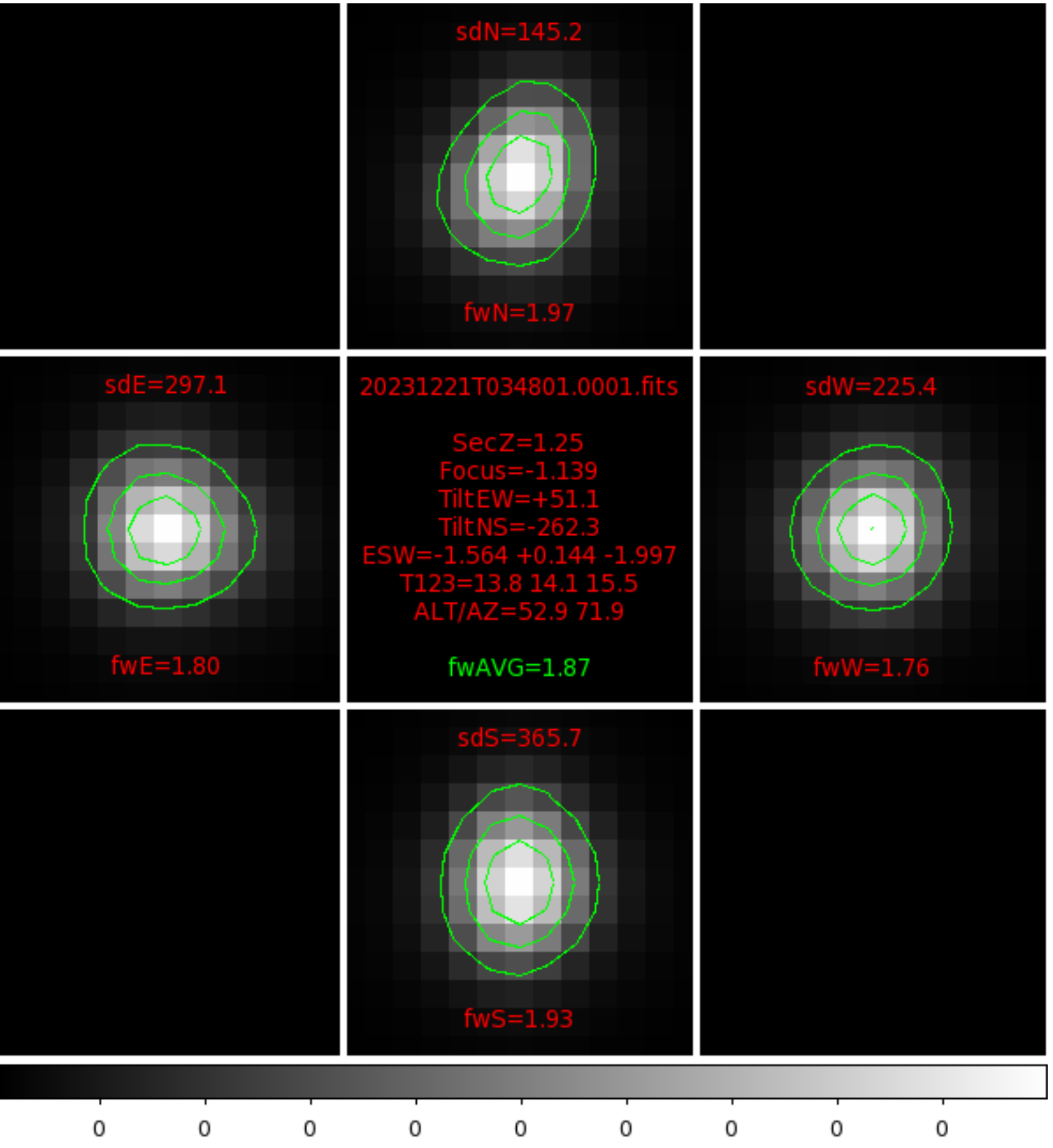
sdN=145.2
fwN=1.97
sdE=297.1
fwE=1.80
20231221T034801.0001.fits
SecZ=1.25
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=13.8 14.1 15.5
ALT/AZ=52.9 71.9
fwAVG=1.87
sdW=225.4
fwW=1.76
sdS=365.7
fwS=1.93
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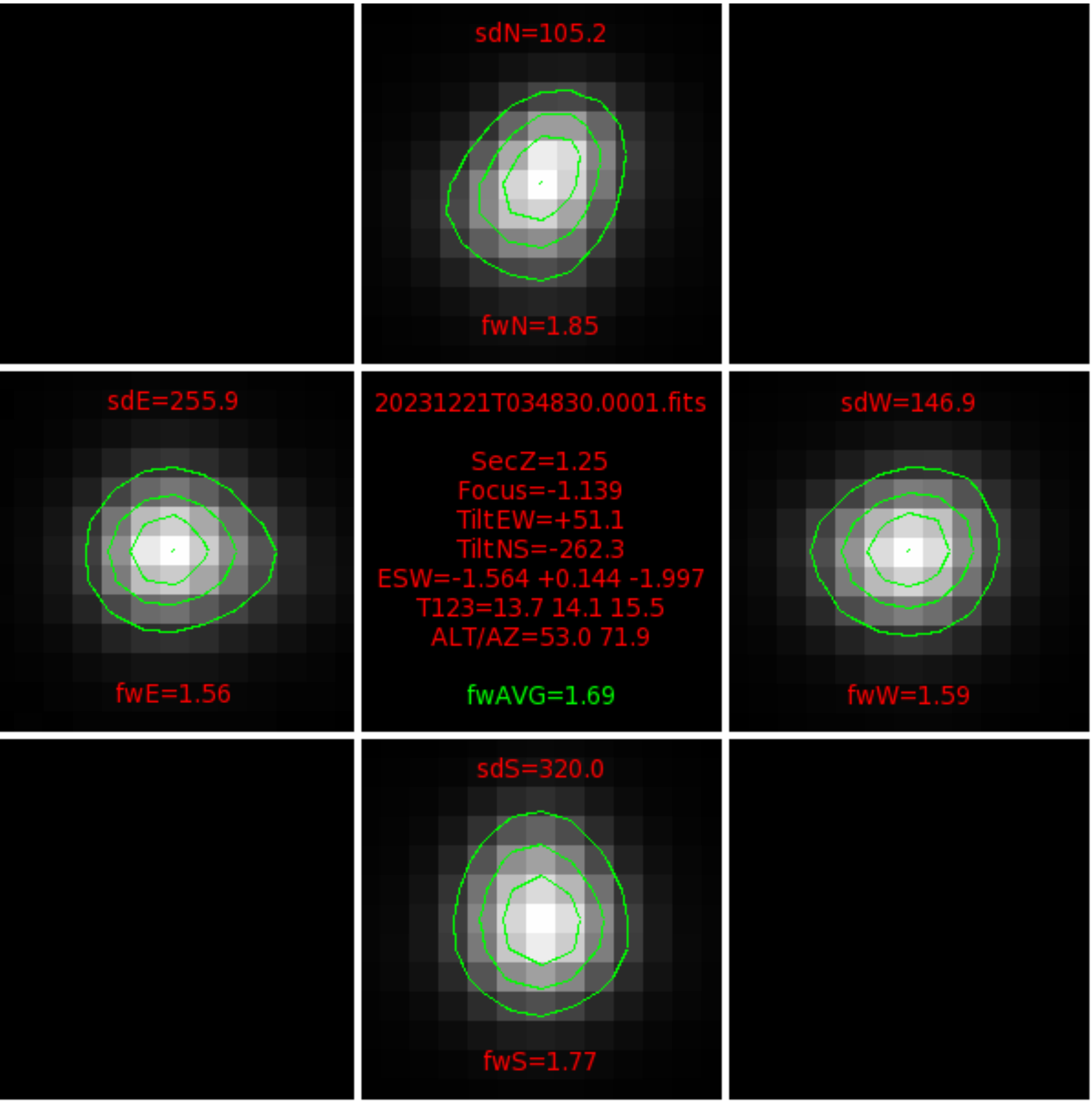
sdN=105.2
fwN=1.85
sdE=255.9
fwE=1.56
20231221T034830.0001.fits
SecZ=1.25
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=13.7 14.1 15.5
ALT/AZ=53.0 71.9
fwAVG=1.69
sdW=146.9
fwW=1.59
sdS=320.0
fwS=1.77
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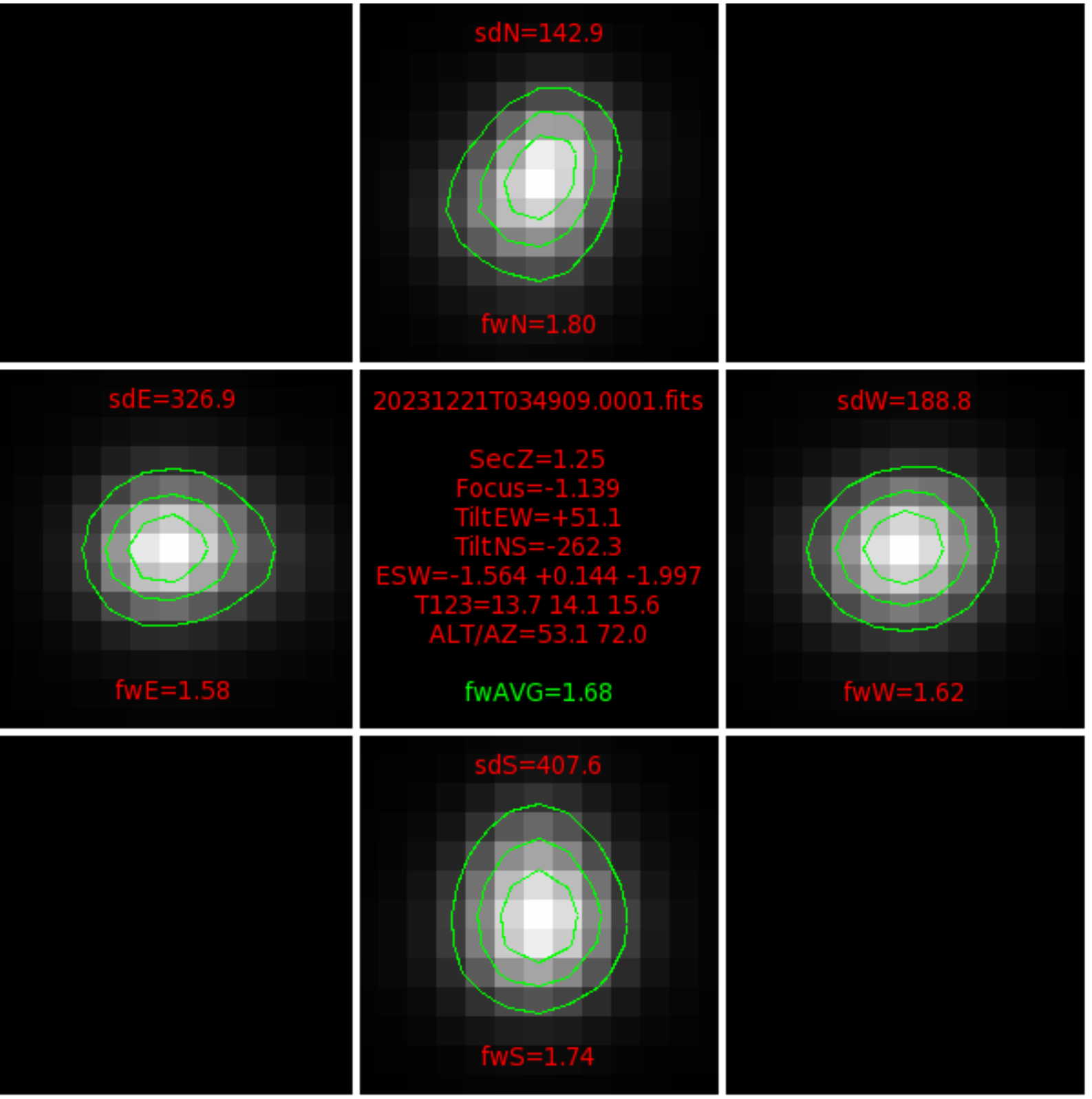
sdN=142.9
fwN=1.80
sdE=326.9
fwE=1.58
20231221T034909.0001.fits
SecZ=1.25
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=13.7 14.1 15.6
ALT/AZ=53.1 72.0
fwAVG=1.68
sdW=188.8
fwW=1.62
sdS=407.6
fwS=1.74
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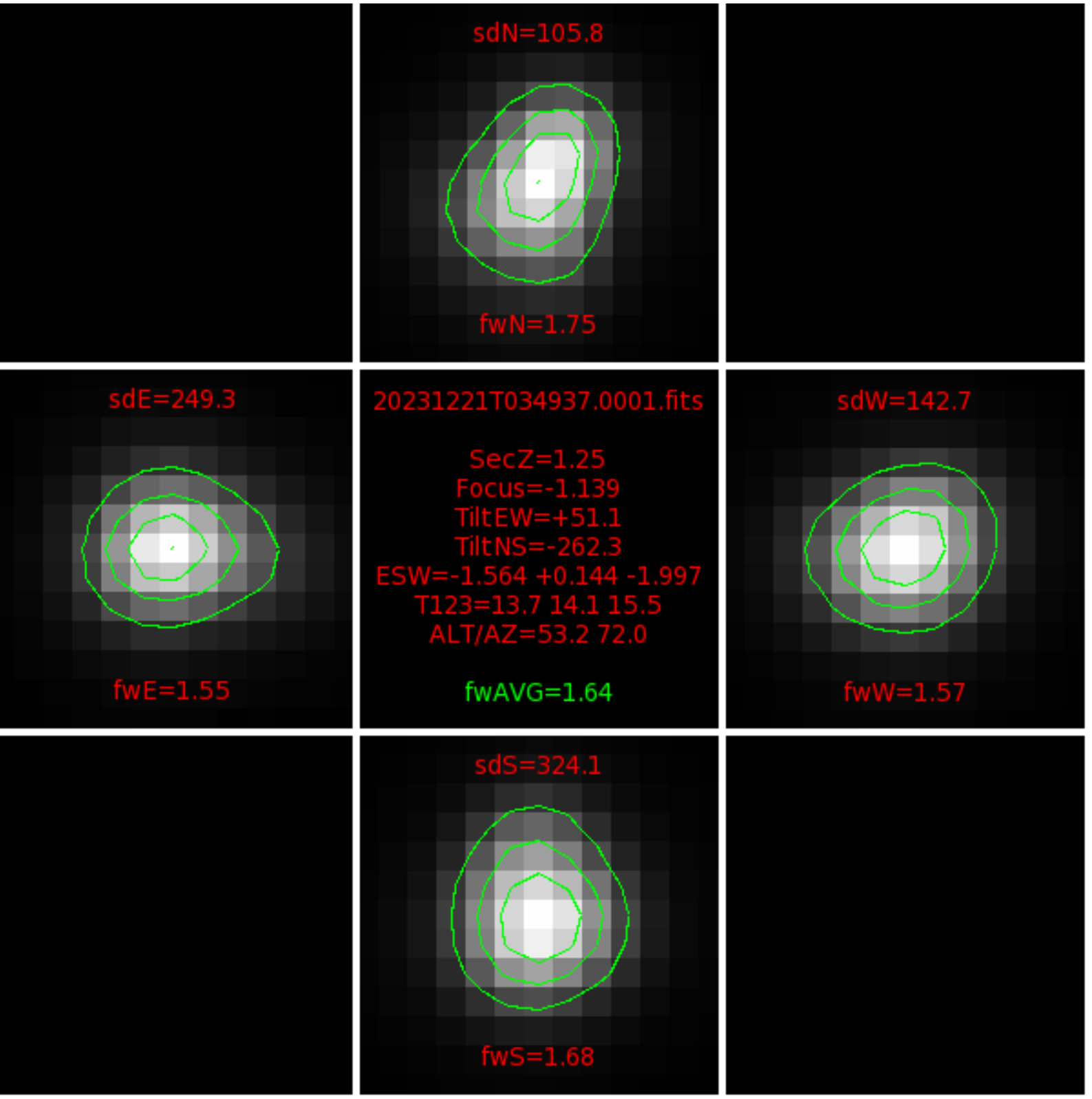
sdN=105.8
fwN=1.75
sdE=249.3
fwE=1.55
20231221T034937.0001.fits
SecZ=1.25
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=13.7 14.1 15.5
ALT/AZ=53.2 72.0
fwAVG=1.64
sdW=142.7
fwW=1.57
sdS=324.1
fwS=1.68
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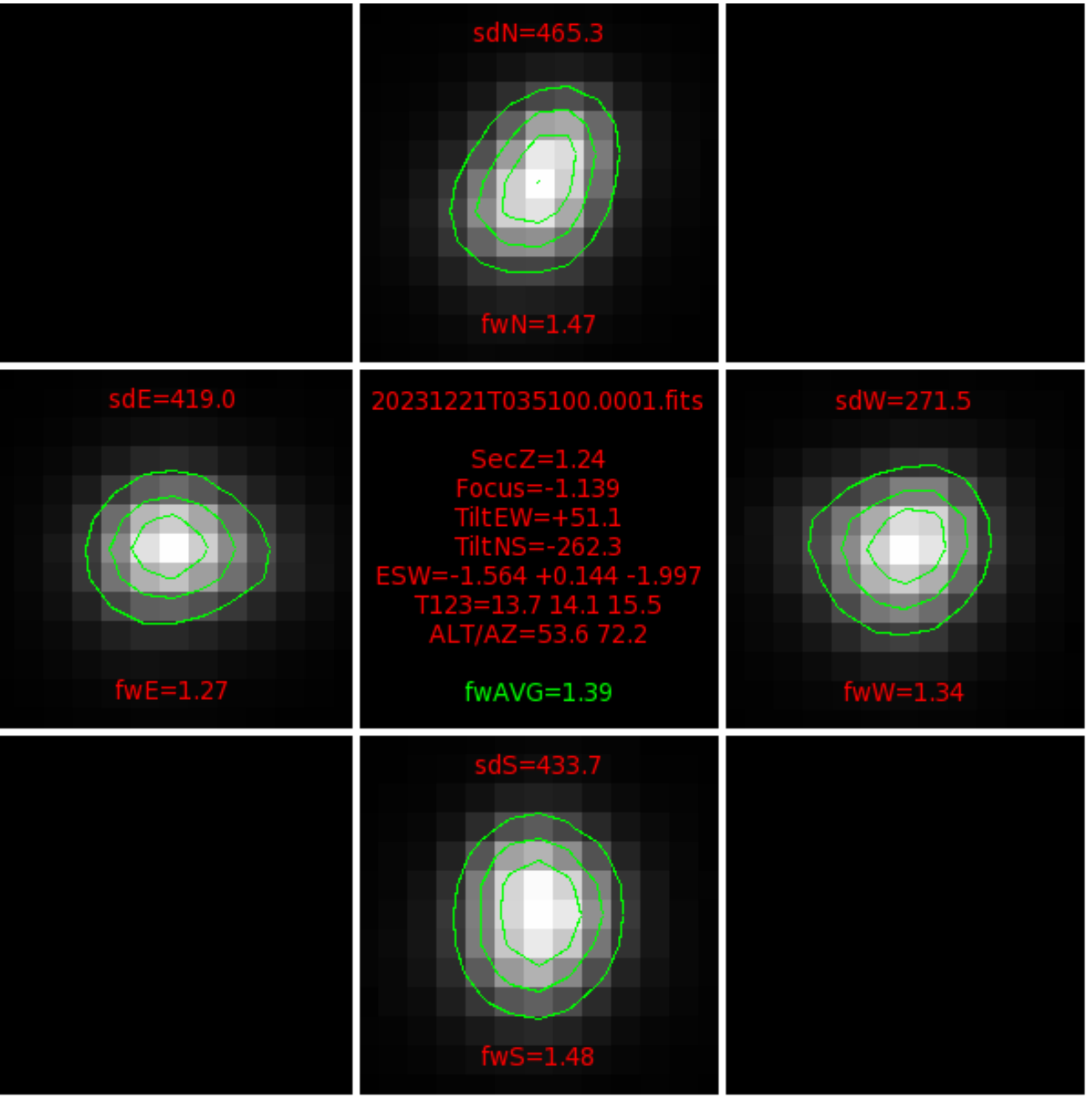
sdN=465.3
fwN=1.47
sdE=419.0
fwE=1.27
20231221T035100.0001.fits
SecZ=1.24
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=13.7 14.1 15.5
ALT/AZ=53.6 72.2
fwAVG=1.39
sdW=271.5
fwW=1.34
sdS=433.7
fwS=1.48
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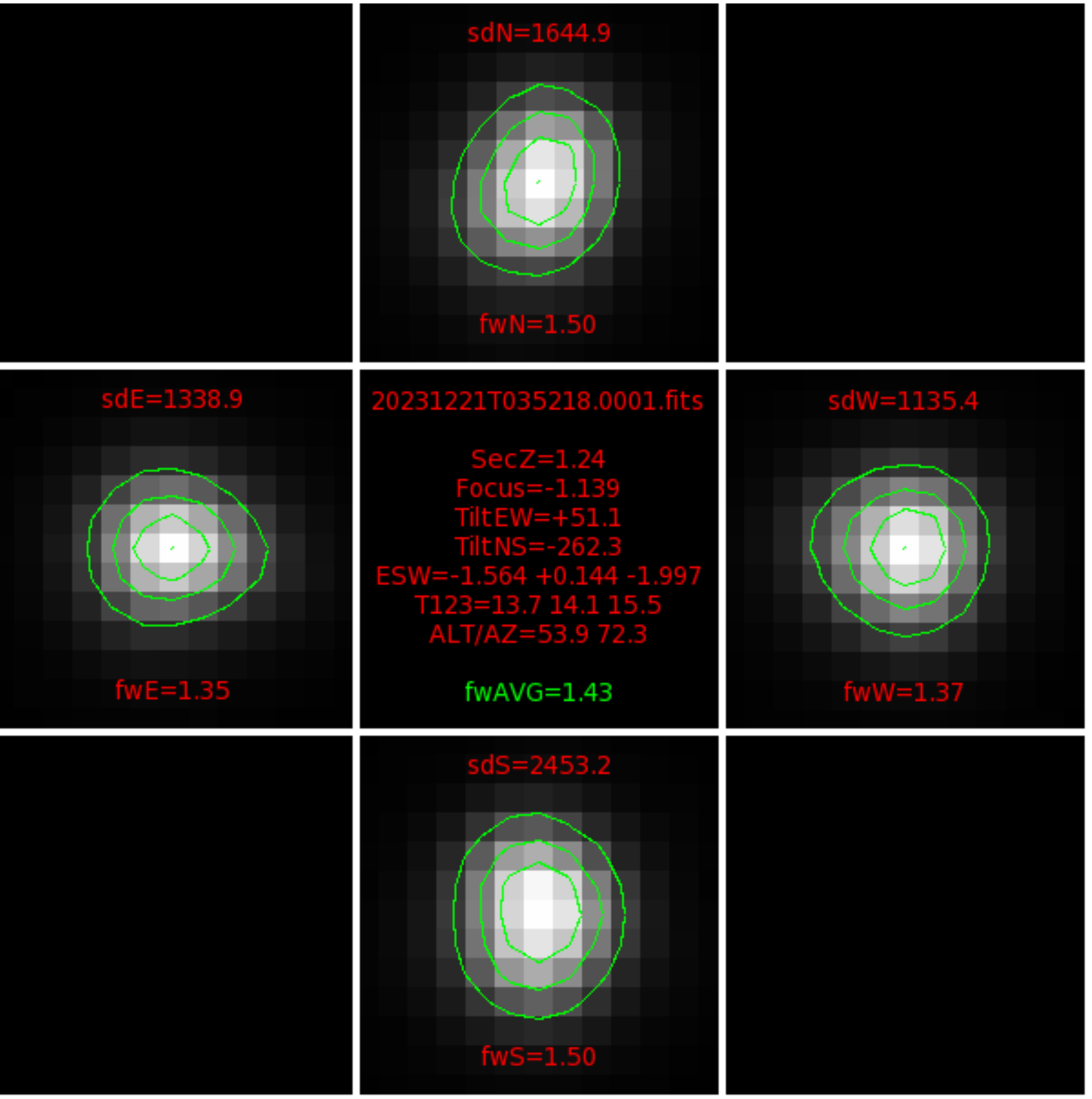
sdN=1644.9
fwN=1.50
sdE=1338.9
fwE=1.35
20231221T035218.0001.fits
SecZ=1.24
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=13.7 14.1 15.5
ALT/AZ=53.9 72.3
fwAVG=1.43
sdW=1135.4
fwW=1.37
sdS=2453.2
fwS=1.50
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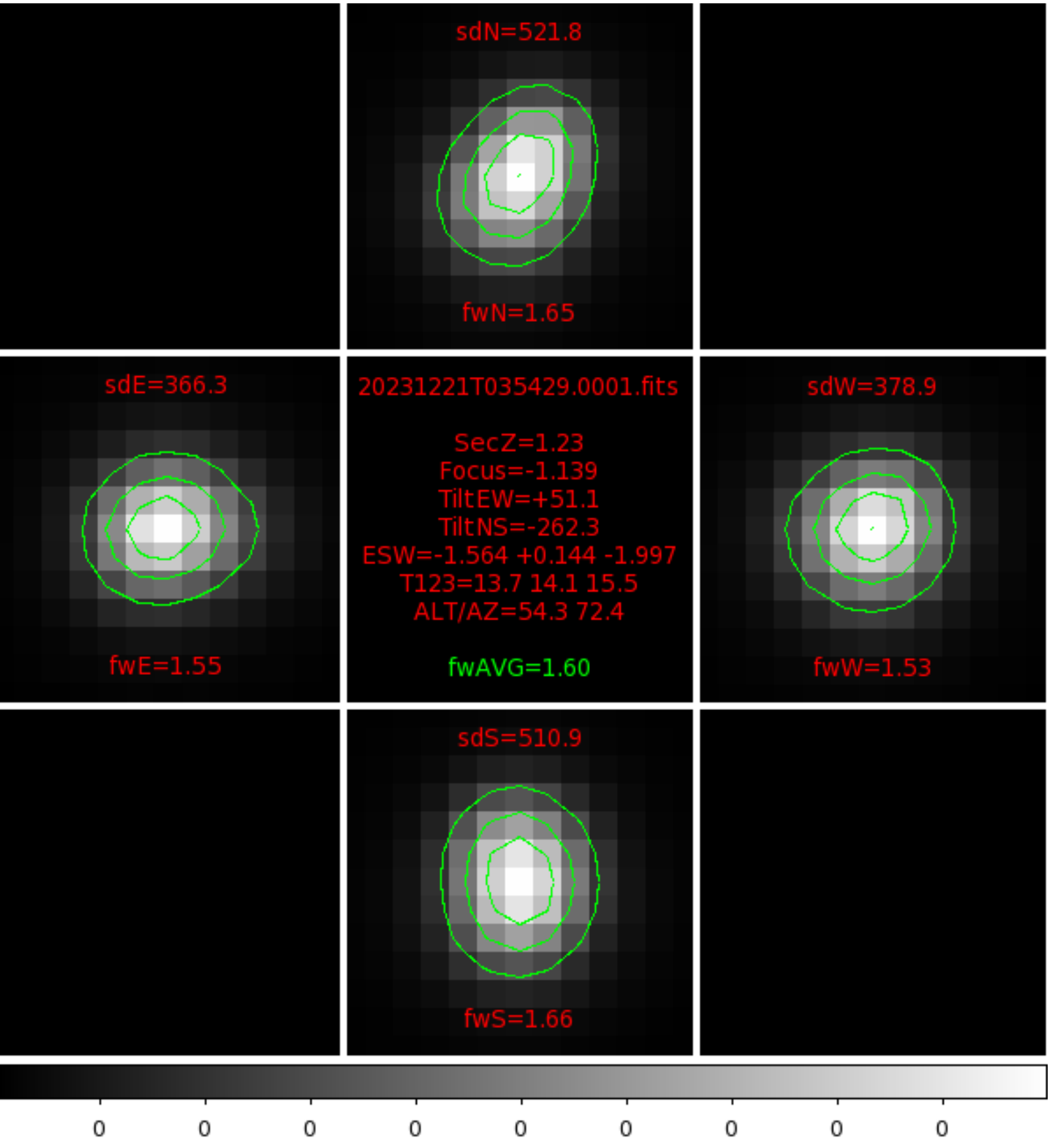
sdN=521.8
fwN=1.65
sdE=366.3
fwE=1.55
20231221T035429.0001.fits
SecZ=1.23
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=13.7 14.1 15.5
ALT/AZ=54.3 72.4
fwAVG=1.60
sdW=378.9
fwW=1.53
sdS=510.9
fwS=1.66
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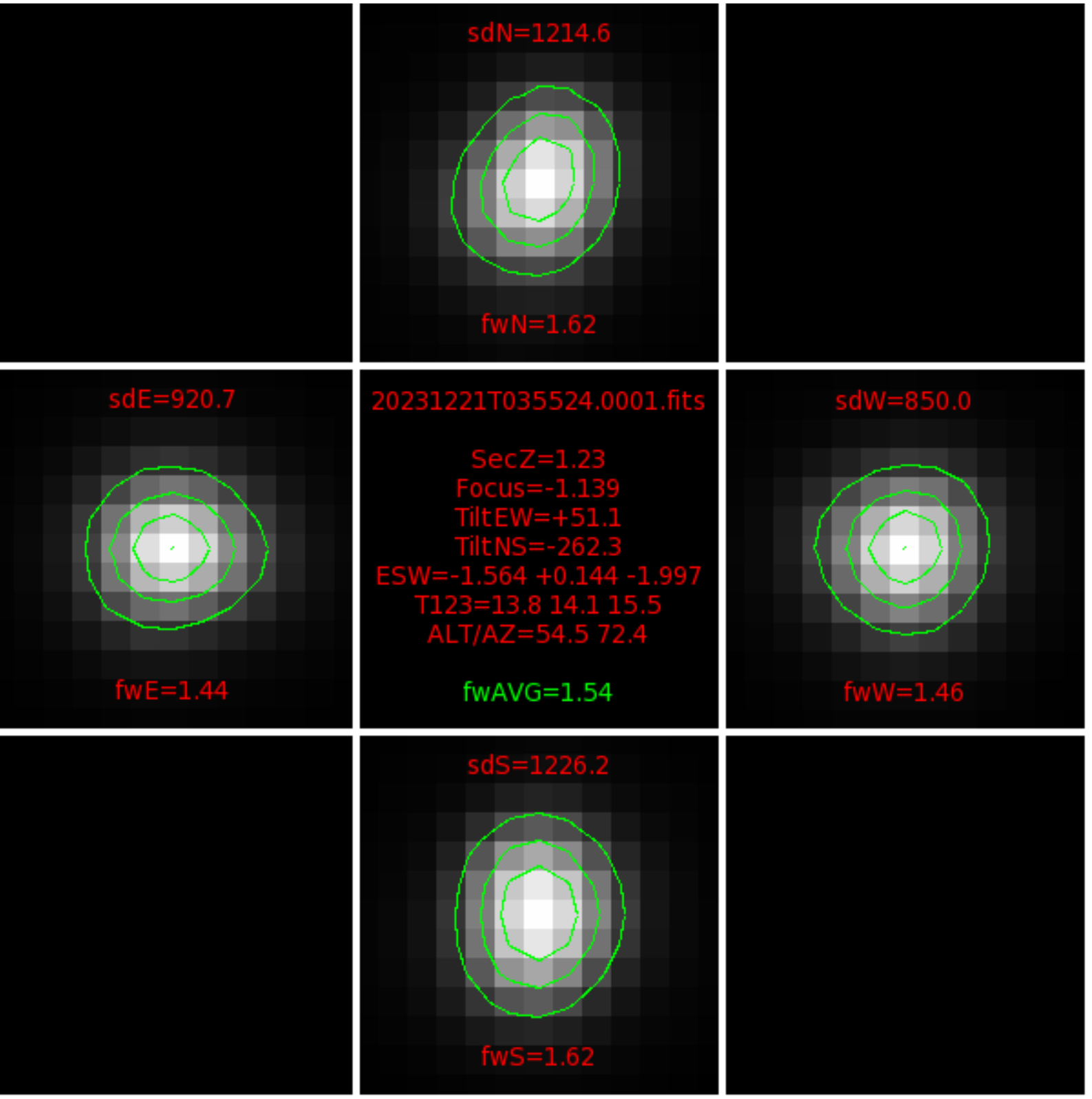
sdN=1214.6
fwN=1.62
sdE=920.7
fwE=1.44
20231221T035524.0001.fits
SecZ=1.23
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=13.8 14.1 15.5
ALT/AZ=54.5 72.4
fwAVG=1.54
sdW=850.0
fwW=1.46
sdS=1226.2
fwS=1.62
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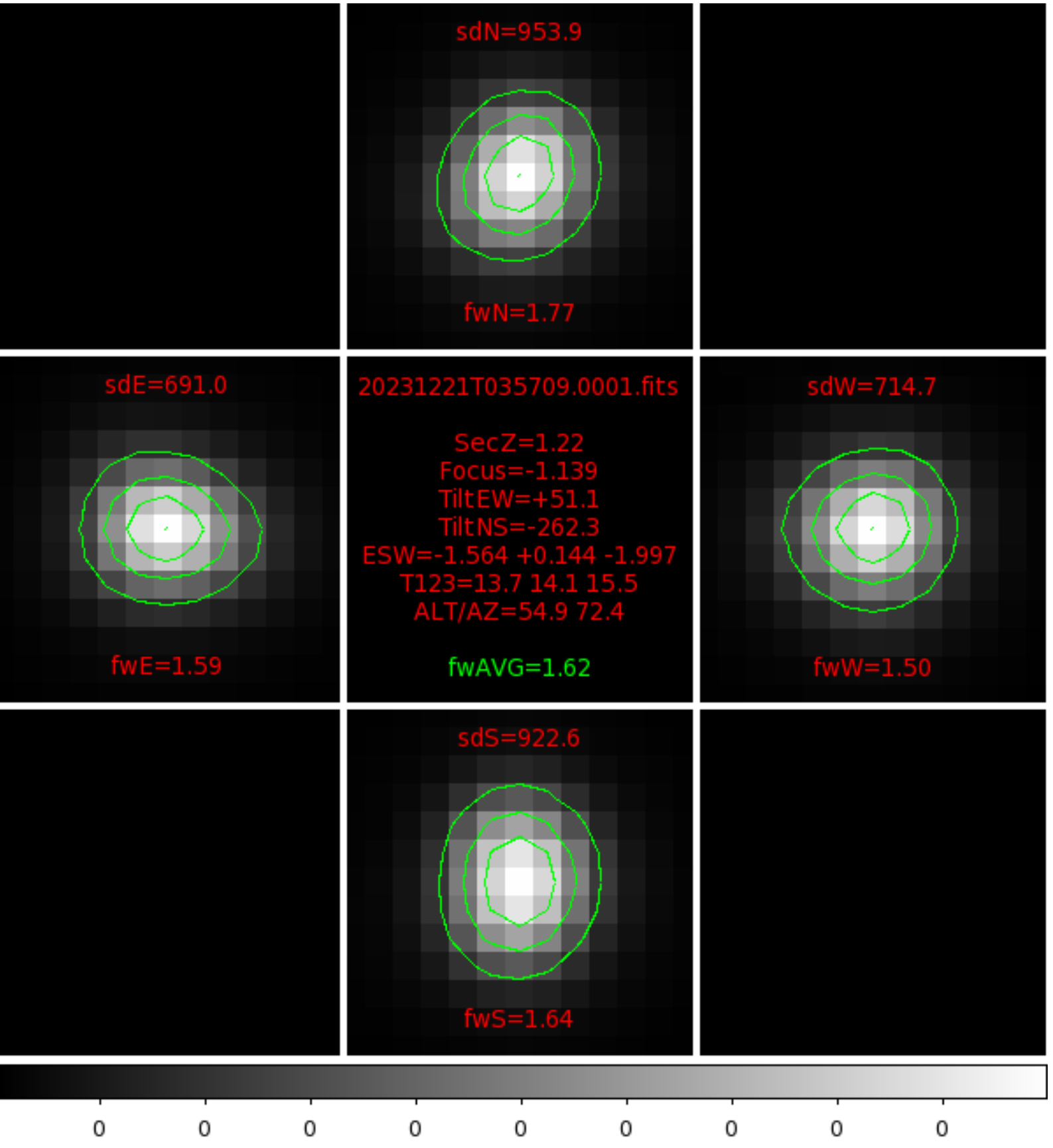
sdN=953.9
fwN=1.77
sdE=691.0
fwE=1.59
20231221T035709.0001.fits
SecZ=1.22
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=13.7 14.1 15.5
ALT/AZ=54.9 72.4
fwAVG=1.62
sdW=714.7
fwW=1.50
sdS=922.6
fwS=1.64
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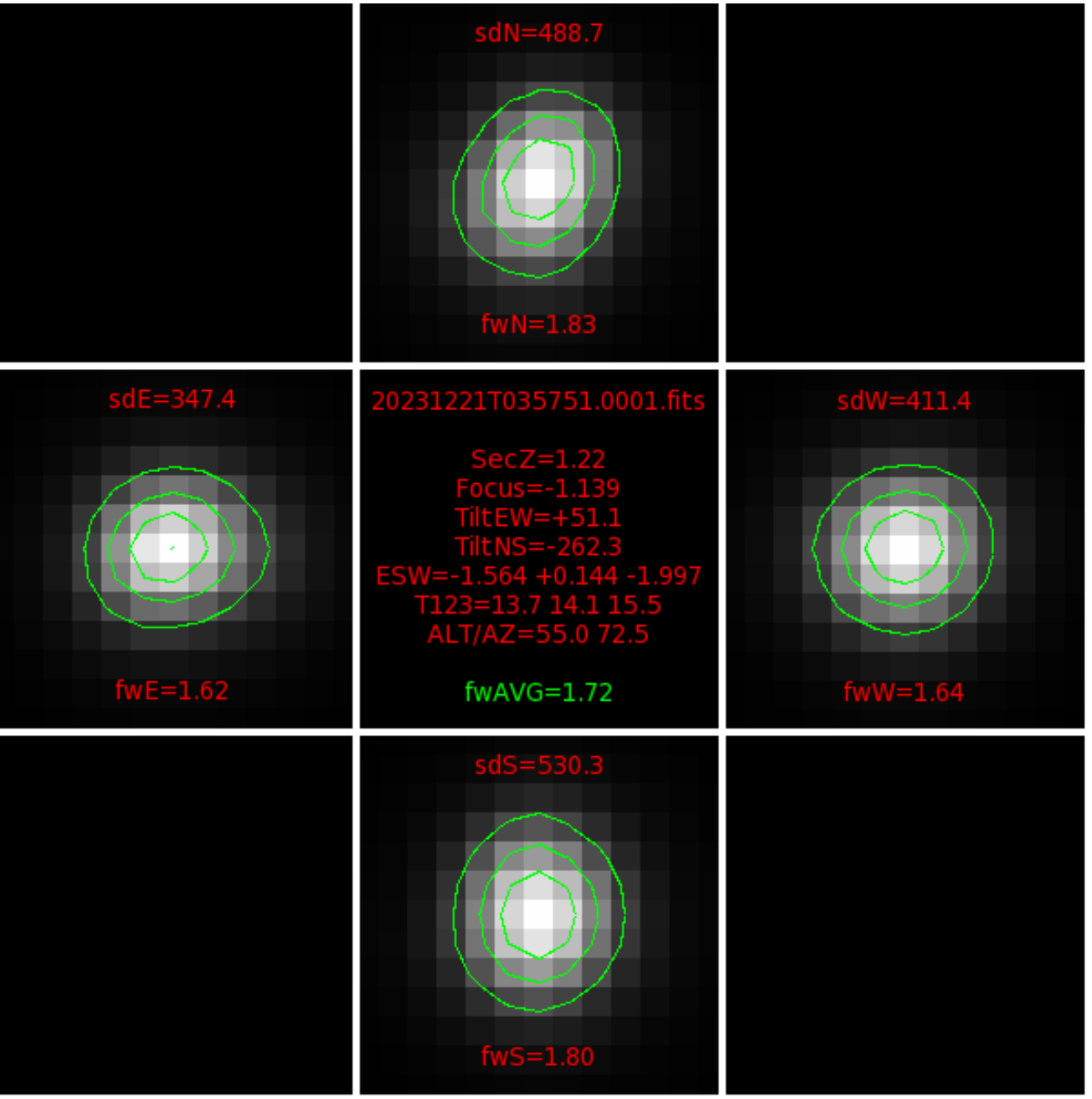
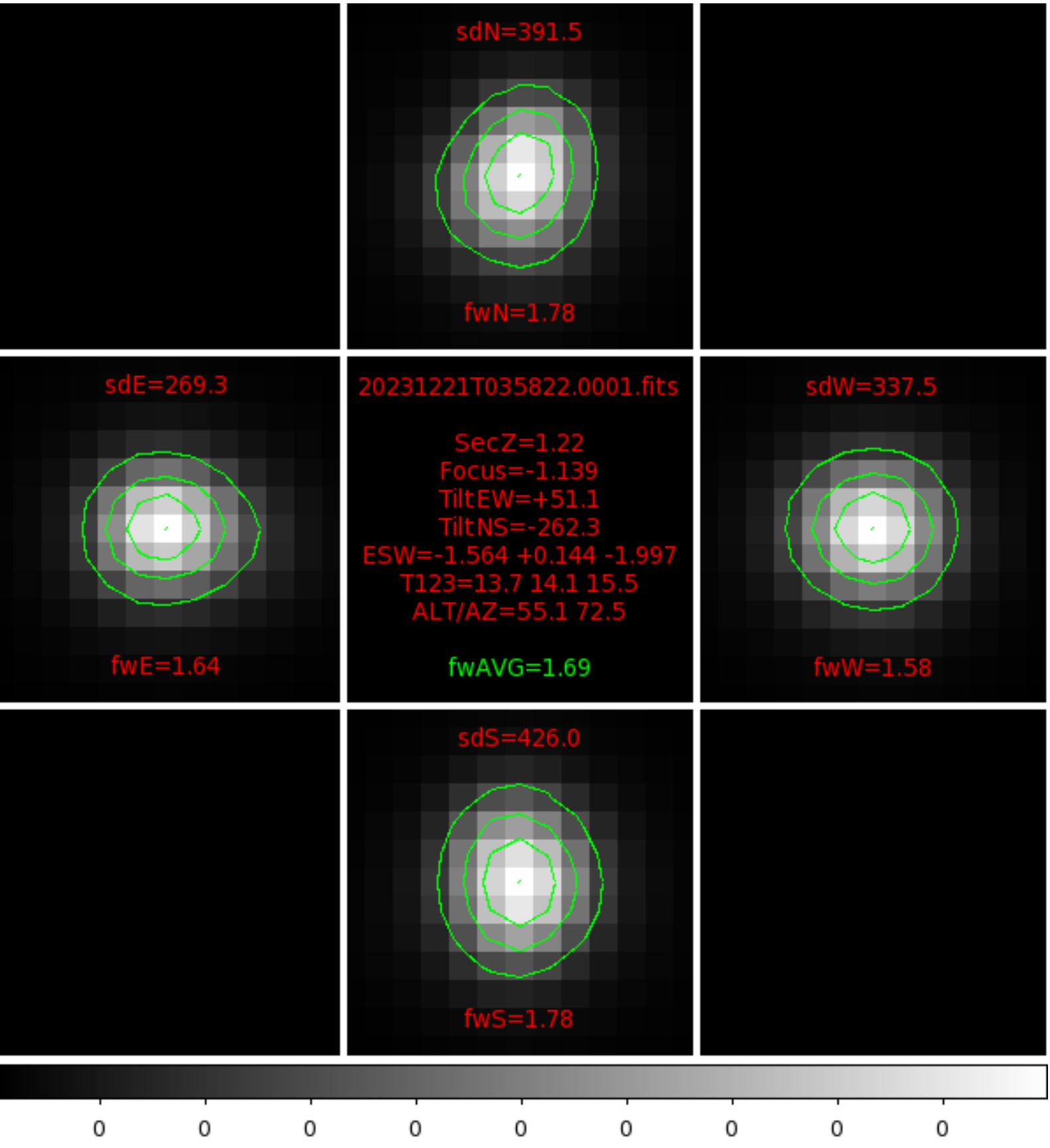

sdN=488.7
fwN=1.83
sdE=347.4
fwE=1.62
20231221T035751.0001.fits
SecZ=1.22
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=13.7 14.1 15.5
ALT/AZ=55.0 72.5
fwAVG=1.72
sdW=411.4
fwW=1.64
sdS=530.3
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=391.5
fwN=1.78
sdE=269.3
fwE=1.64
20231221T035822.0001.fits
SecZ=1.22
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=13.7 14.1 15.5
ALT/AZ=55.1 72.5
fwAVG=1.69
sdW=337.5
fwW=1.58
sdS=426.0
fwS=1.78
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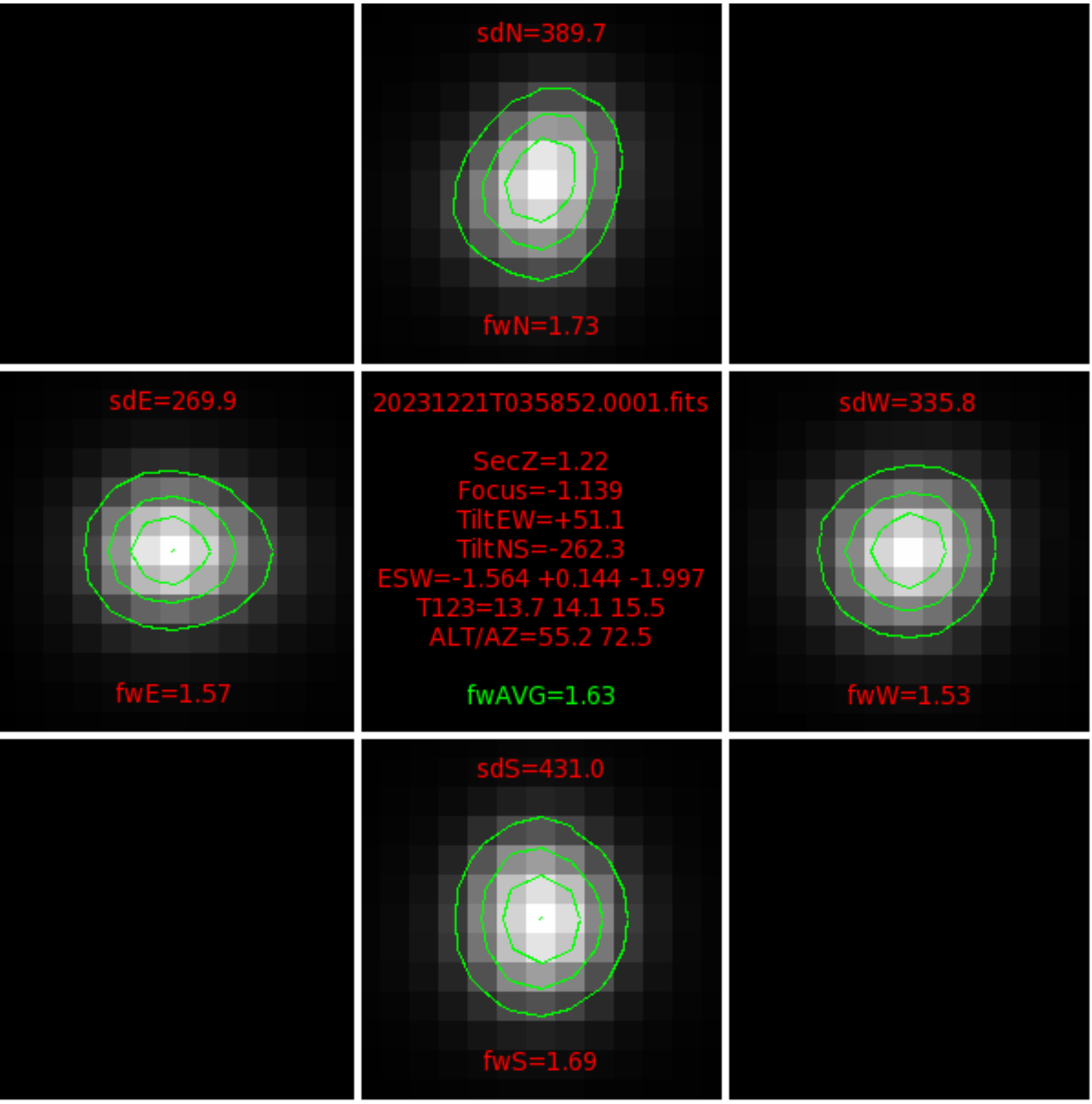
sdN=389.7
fwN=1.73
sdE=269.9
fwE=1.57
20231221T035852.0001.fits
SecZ=1.22
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=13.7 14.1 15.5
ALT/AZ=55.2 72.5
fwAVG=1.63
sdW=335.8
fwW=1.53
sdS=431.0
fwS=1.69
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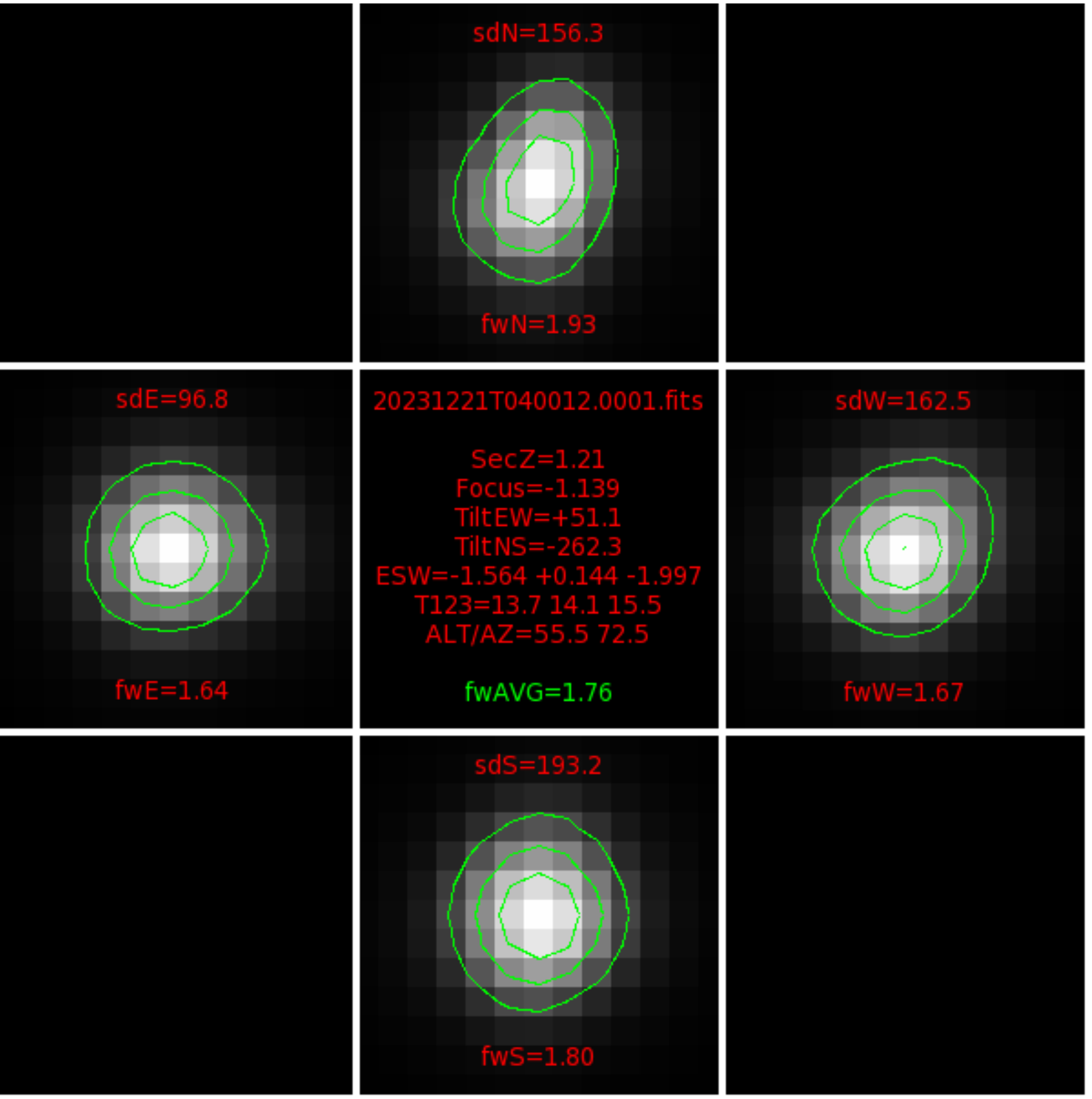
sdN=156.3
fwN=1.93
sdE=96.8
fwE=1.64
20231221T040012.0001.fits
SecZ=1.21
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=13.7 14.1 15.5
ALT/AZ=55.5 72.5
fwAVG=1.76
sdW=162.5
fwW=1.67
sdS=193.2
fwS=1.80
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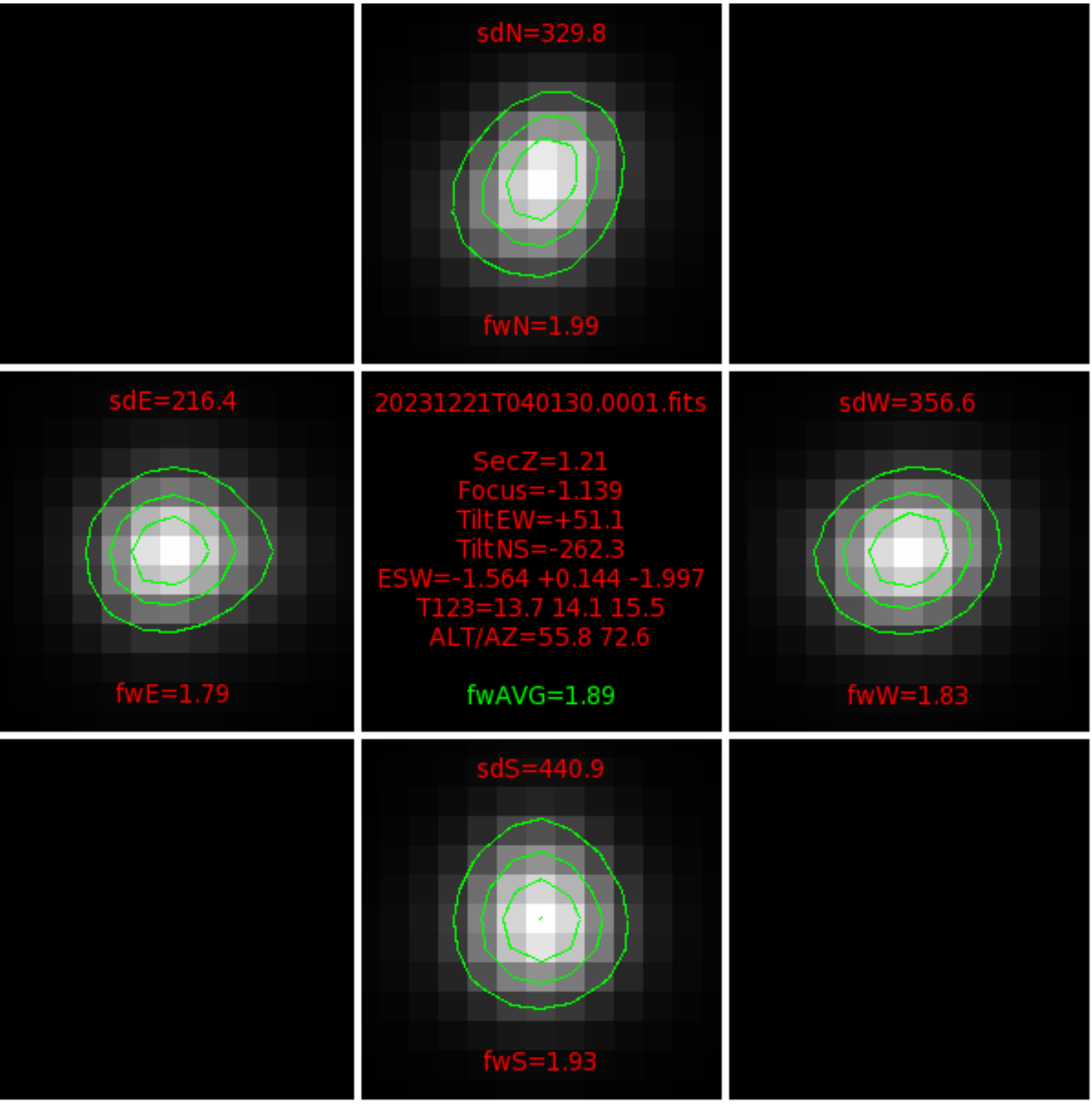
sdN=329.8
fwN=1.99
sdE=216.4
fwE=1.79
20231221T040130.0001.fits
SecZ=1.21
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=13.7 14.1 15.5
ALT/AZ=55.8 72.6
fwAVG=1.89
sdW=356.6
fwW=1.83
sdS=440.9
fwS=1.93
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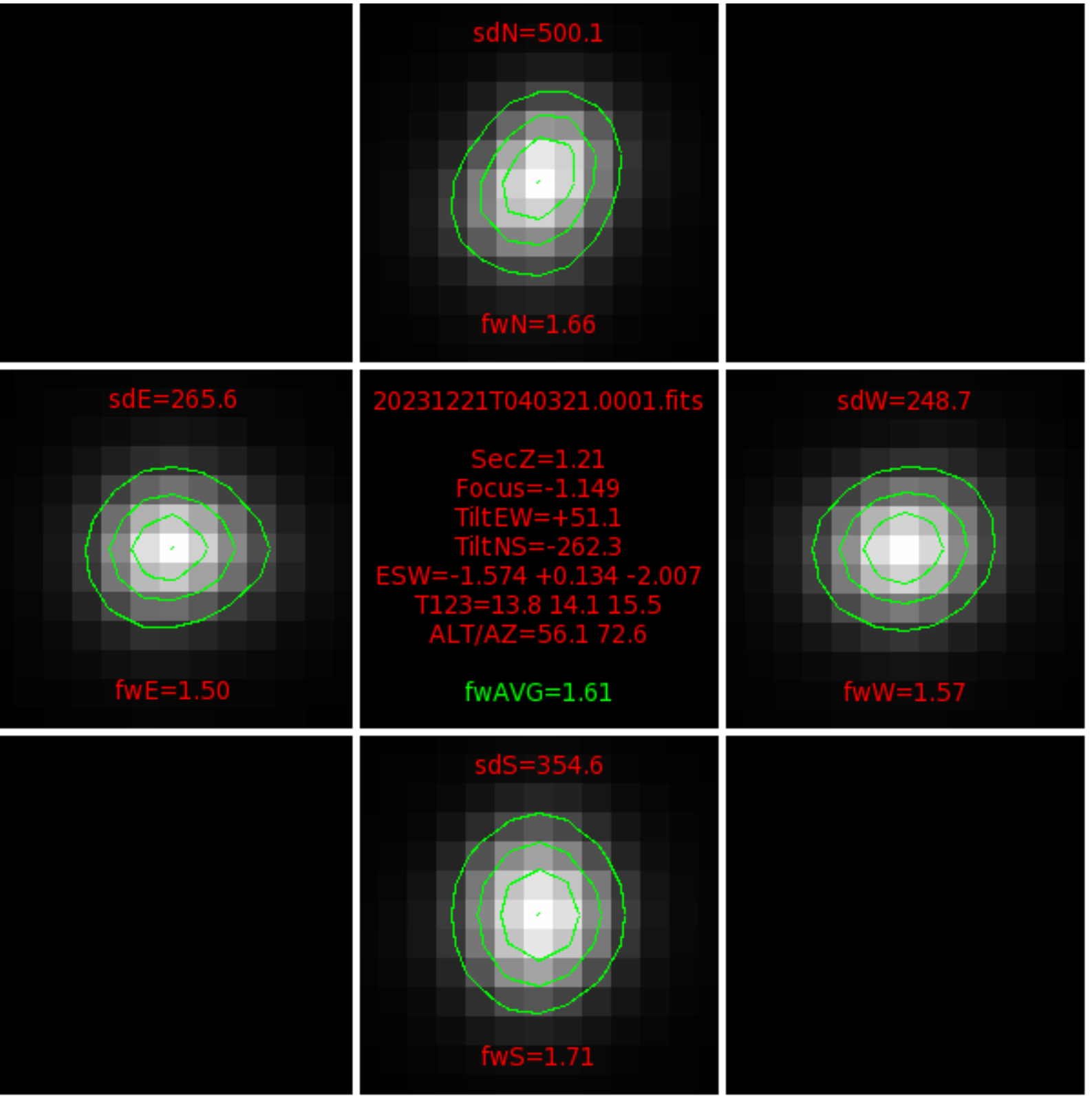
sdN=500.1
fwN=1.66
sdE=265.6
fwE=1.50
20231221T040321.0001.fits
SecZ=1.21
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.8 14.1 15.5
ALT/AZ=56.1 72.6
fwAVG=1.61
sdW=248.7
fwW=1.57
sdS=354.6
fwS=1.71
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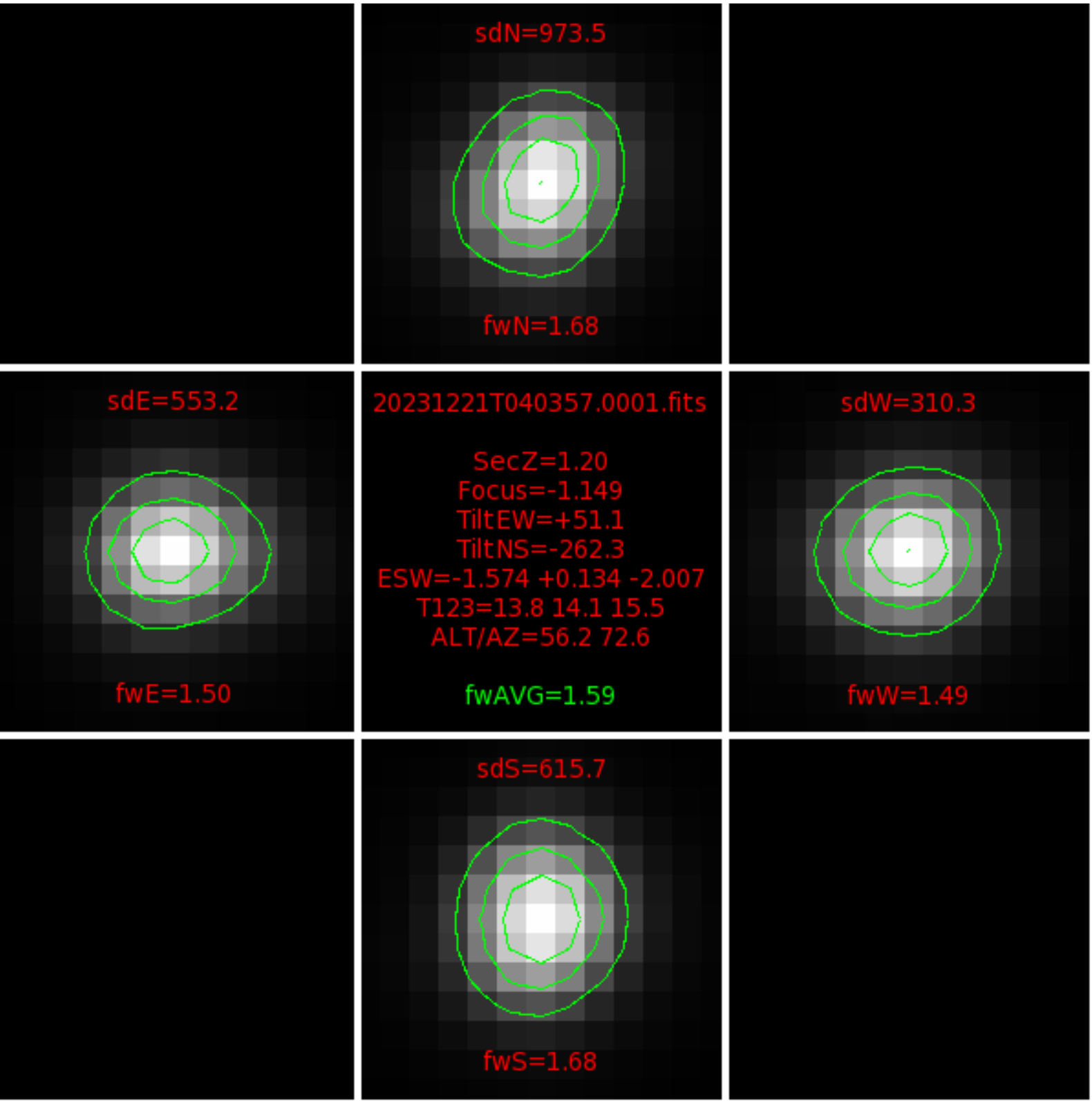
sdN=973.5
fwN=1.68
sdE=553.2
fwE=1.50
20231221T040357.0001.fits
SecZ=1.20
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.8 14.1 15.5
ALT/AZ=56.2 72.6
fwAVG=1.59
sdW=310.3
fwW=1.49
sdS=615.7
fwS=1.68
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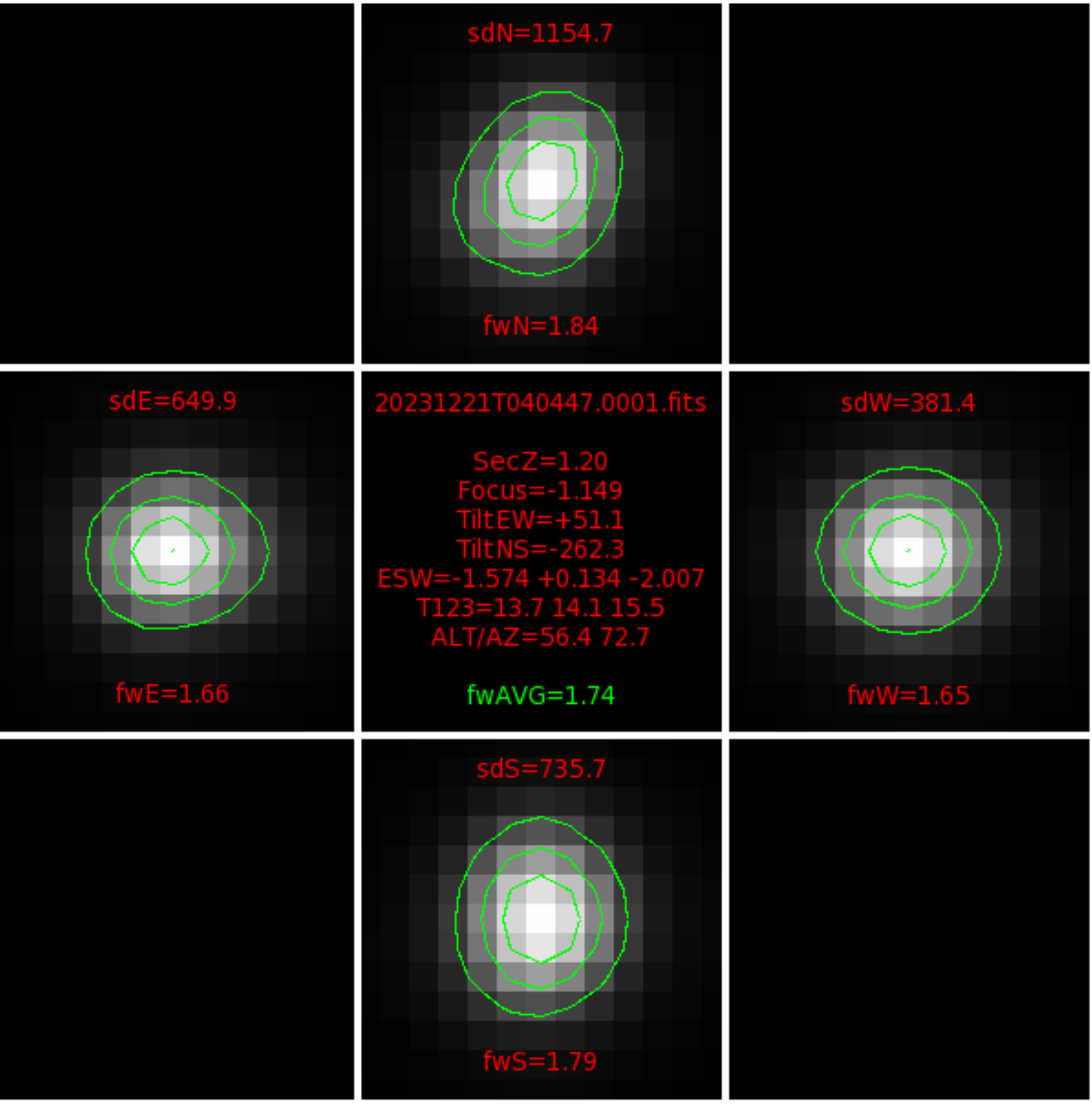
sdN=1154.7
fwN=1.84
sdE=649.9
fwE=1.66
20231221T040447.0001.fits
SecZ=1.20
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.7 14.1 15.5
ALT/AZ=56.4 72.7
fwAVG=1.74
sdW=381.4
fwW=1.65
sdS=735.7
fwS=1.79
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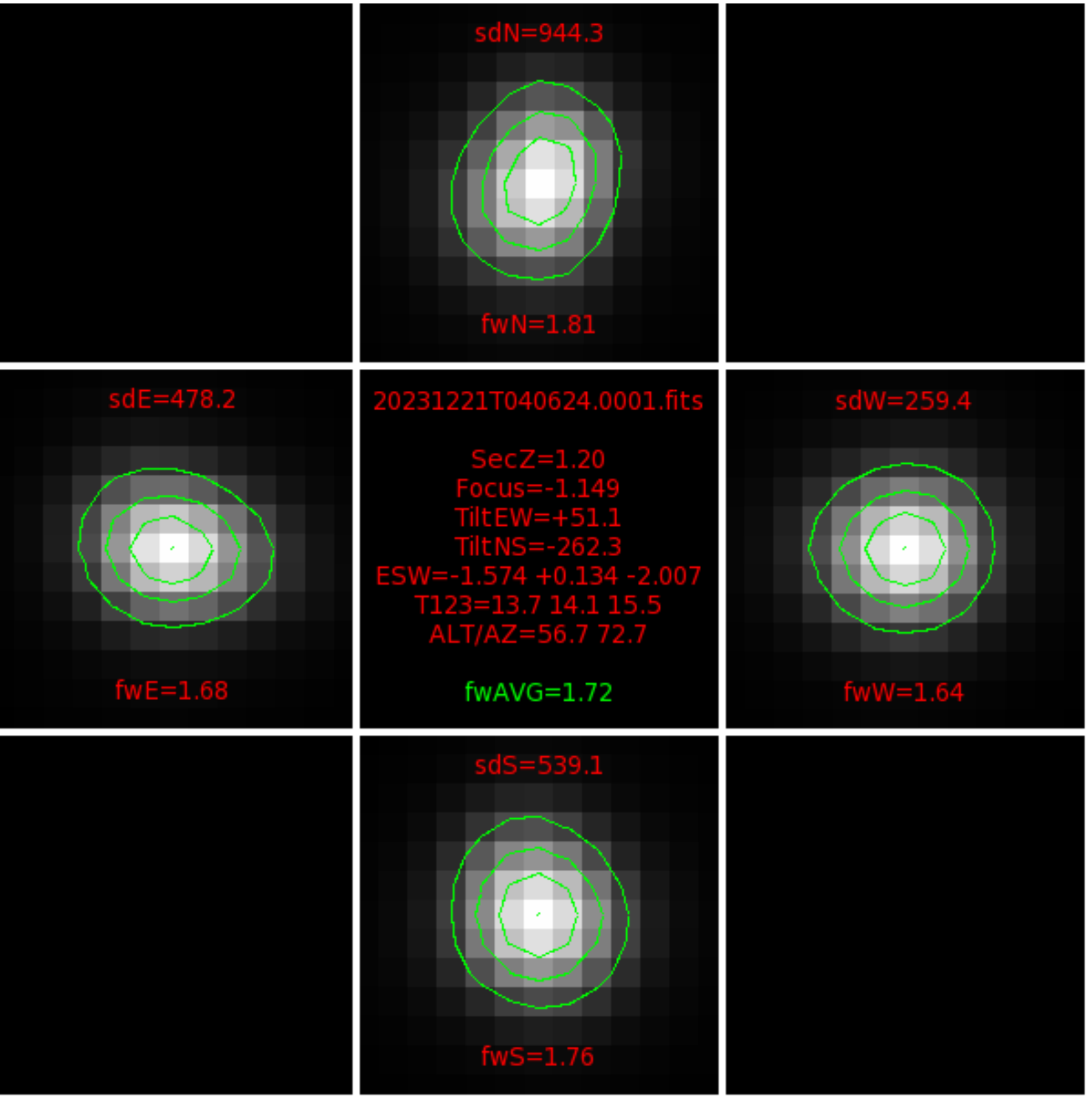
sdN=944.3
fwN=1.81
sdE=478.2
fwE=1.68
20231221T040624.0001.fits
SecZ=1.20
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.7 14.1 15.5
ALT/AZ=56.7 72.7
fwAVG=1.72
sdW=259.4
fwW=1.64
sdS=539.1
fwS=1.76
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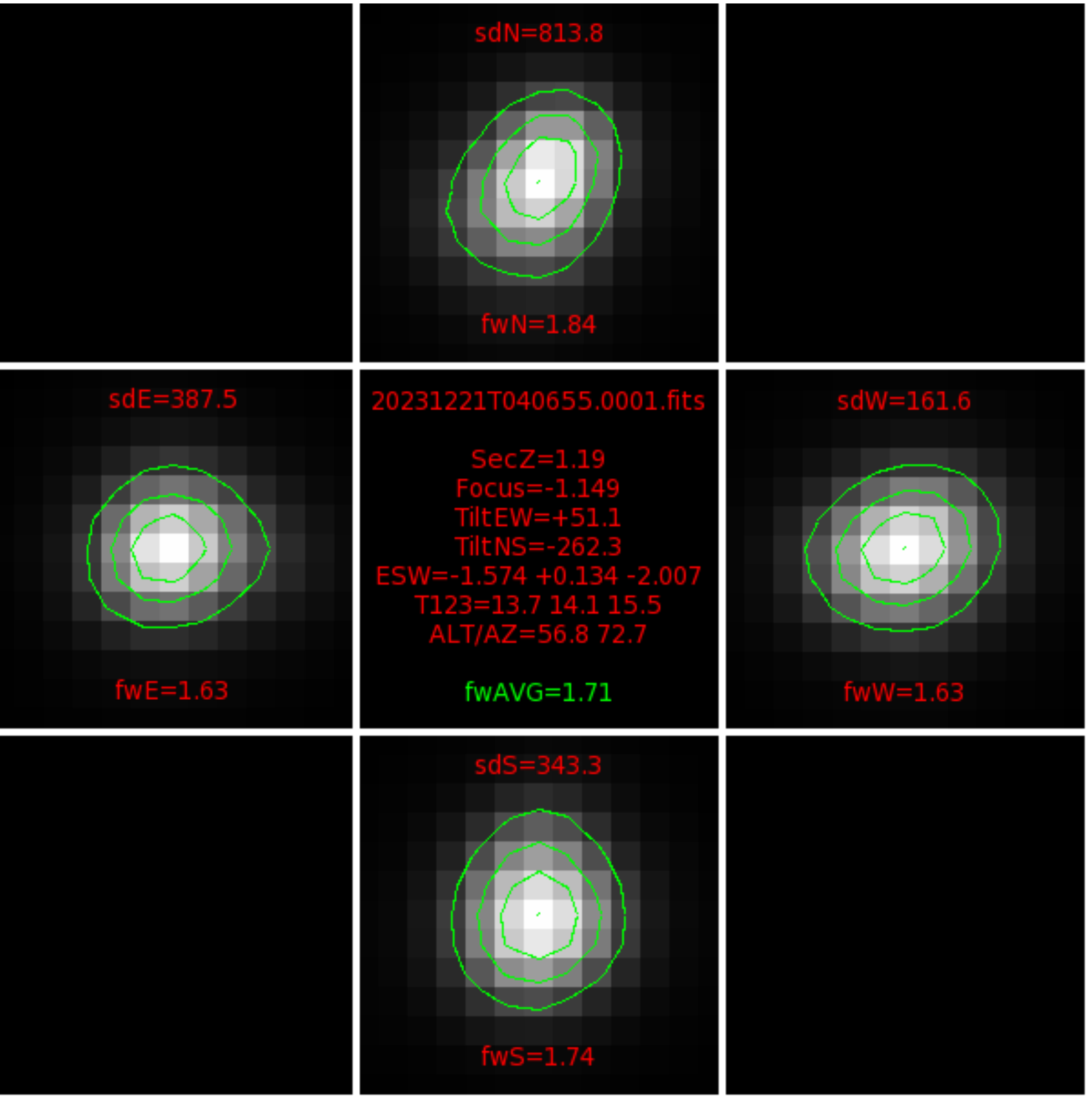
sdN=813.8
fwN=1.84
sdE=387.5
fwE=1.63
20231221T040655.0001.fits
SecZ=1.19
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.7 14.1 15.5
ALT/AZ=56.8 72.7
fwAVG=1.71
sdW=161.6
fwW=1.63
sdS=343.3
fwS=1.74
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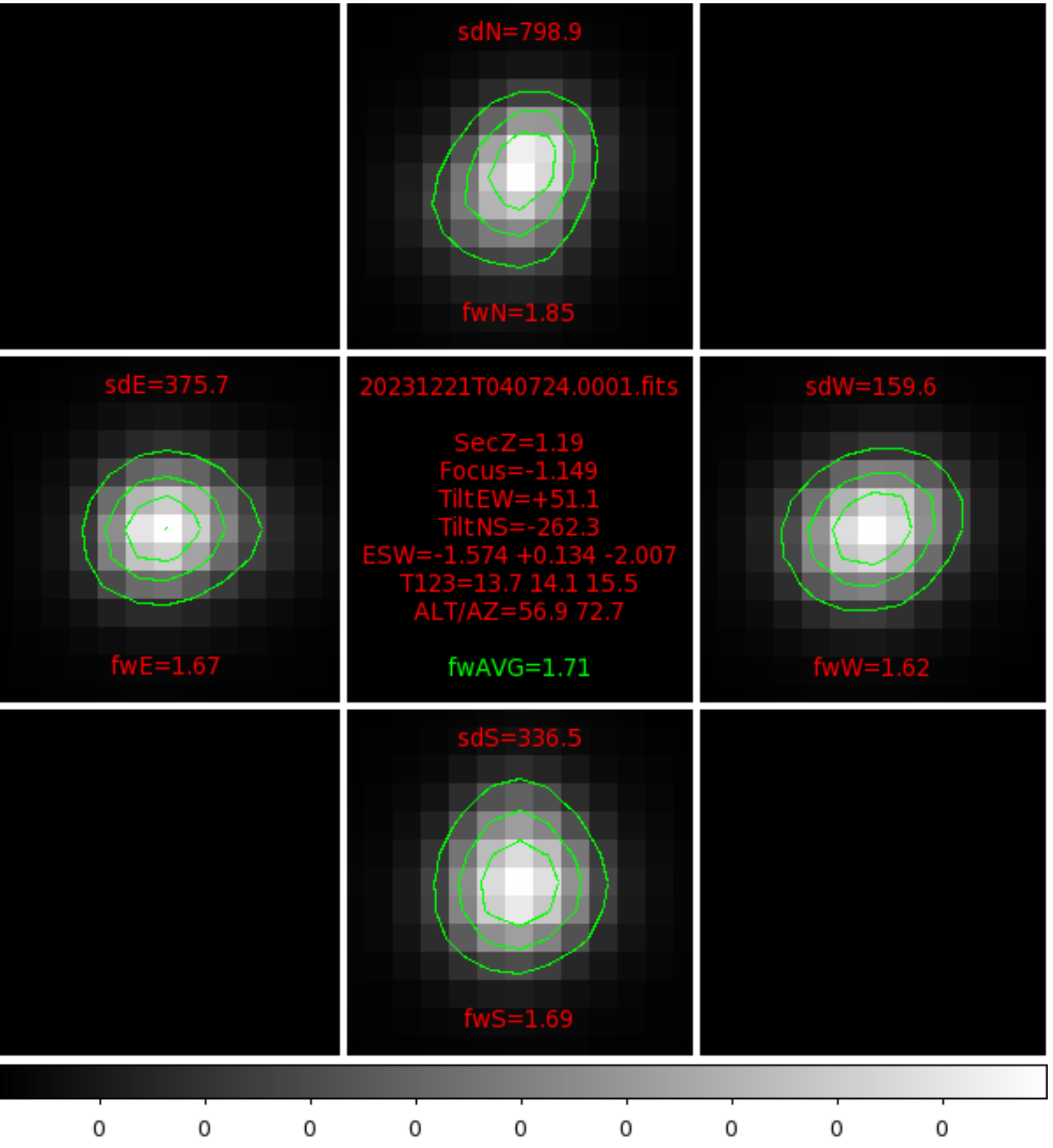
sdN=798.9
fwN=1.85
sdE=375.7
fwE=1.67
20231221T040724.0001.fits
SecZ=1.19
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.7 14.1 15.5
ALT/AZ=56.9 72.7
fwAVG=1.71
sdW=159.6
fwW=1.62
sdS=336.5
fwS=1.69
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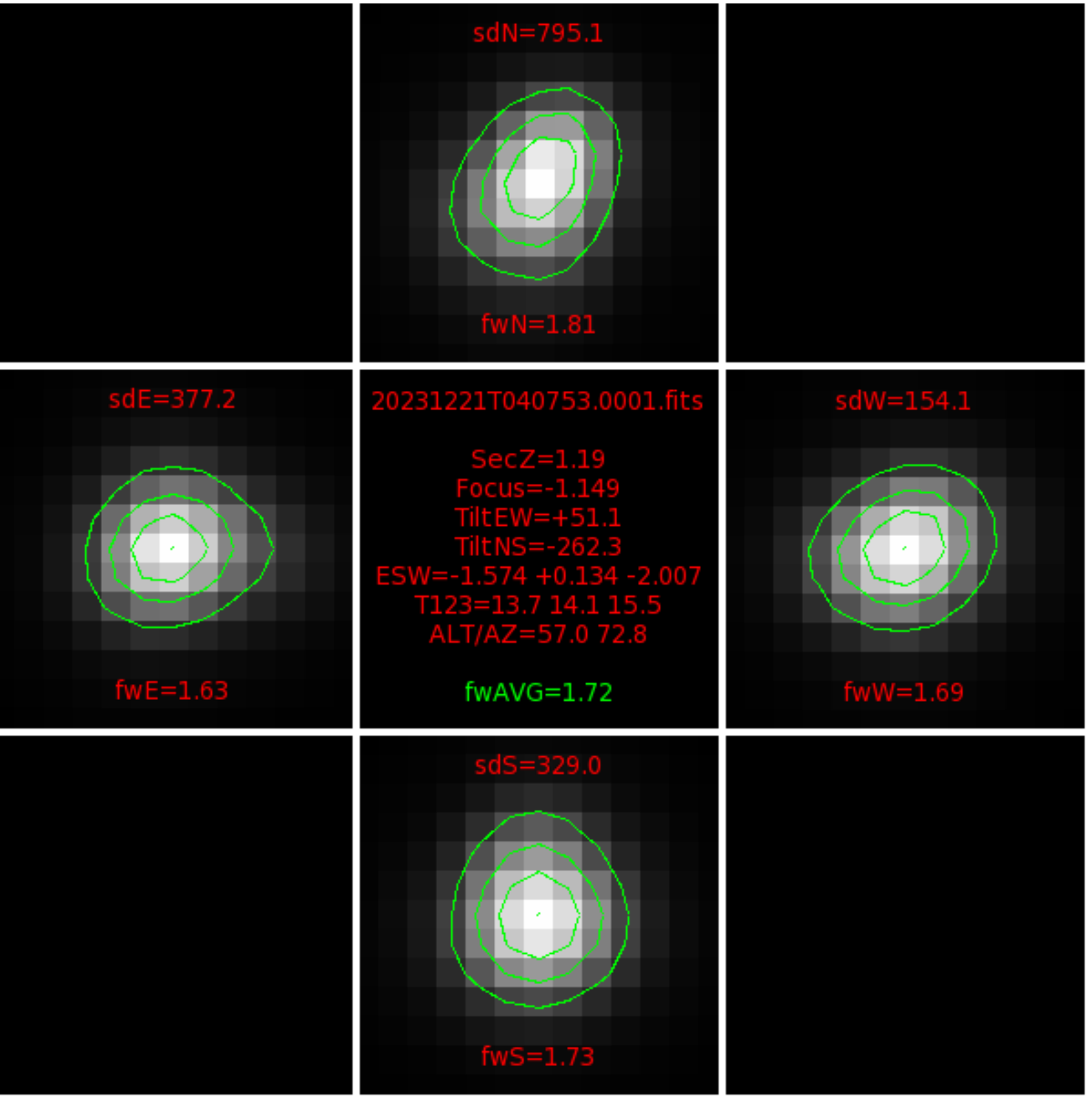
sdN=795.1
fwN=1.81
sdE=377.2
fwE=1.63
20231221T040753.0001.fits
SecZ=1.19
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.7 14.1 15.5
ALT/AZ=57.0 72.8
fwAVG=1.72
sdW=154.1
fwW=1.69
sdS=329.0
fwS=1.73
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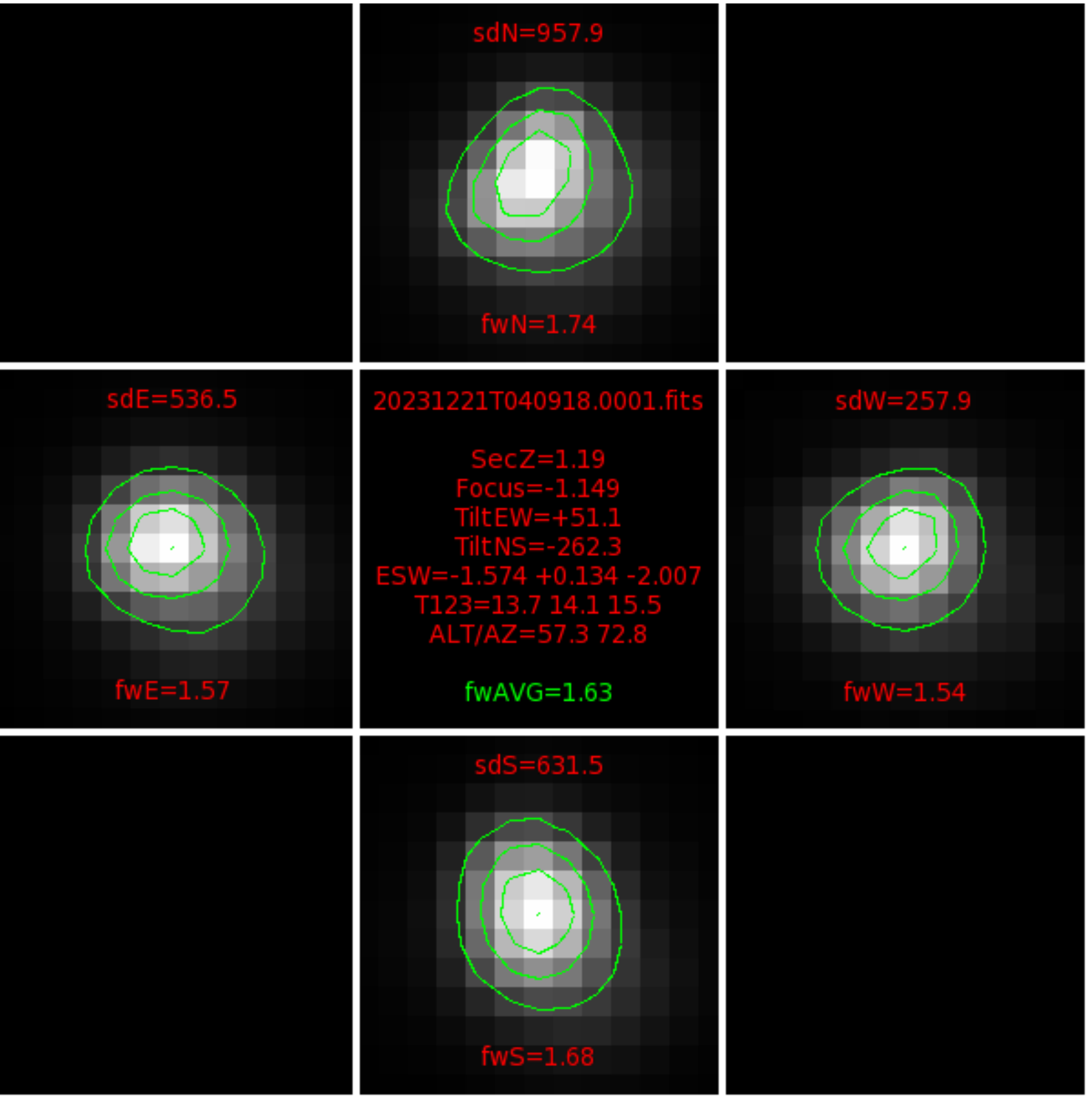
sdN=957.9
fwN=1.74
sdE=536.5
fwE=1.57
20231221T040918.0001.fits
SecZ=1.19
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.7 14.1 15.5
ALT/AZ=57.3 72.8
fwAVG=1.63
sdW=257.9
fwW=1.54
sdS=631.5
fwS=1.68
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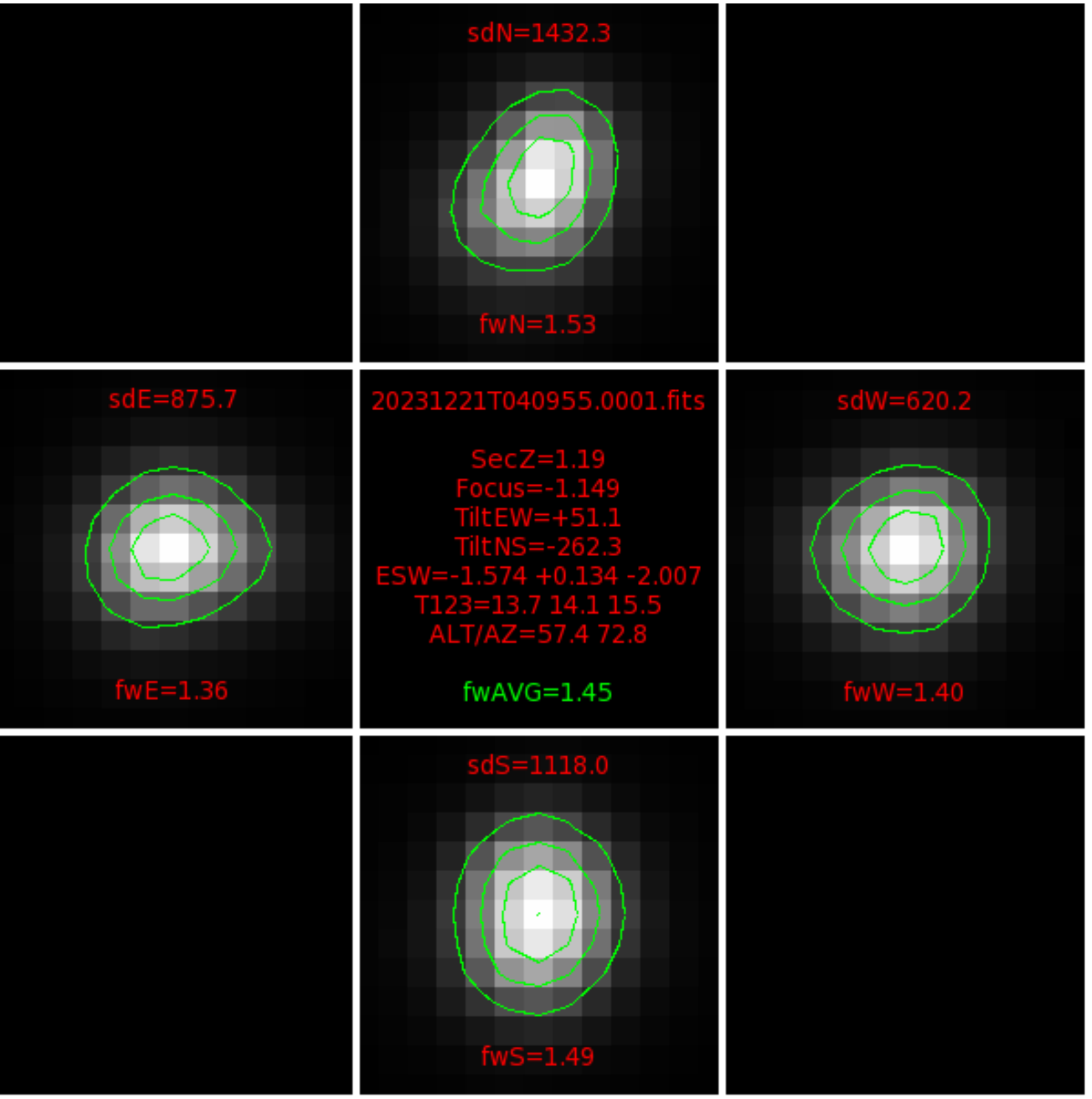
sdN=1432.3
fwN=1.53
sdE=875.7
fwE=1.36
20231221T040955.0001.fits
SecZ=1.19
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.7 14.1 15.5
ALT/AZ=57.4 72.8
fwAVG=1.45
sdW=620.2
fwW=1.40
sdS=1118.0
fwS=1.49
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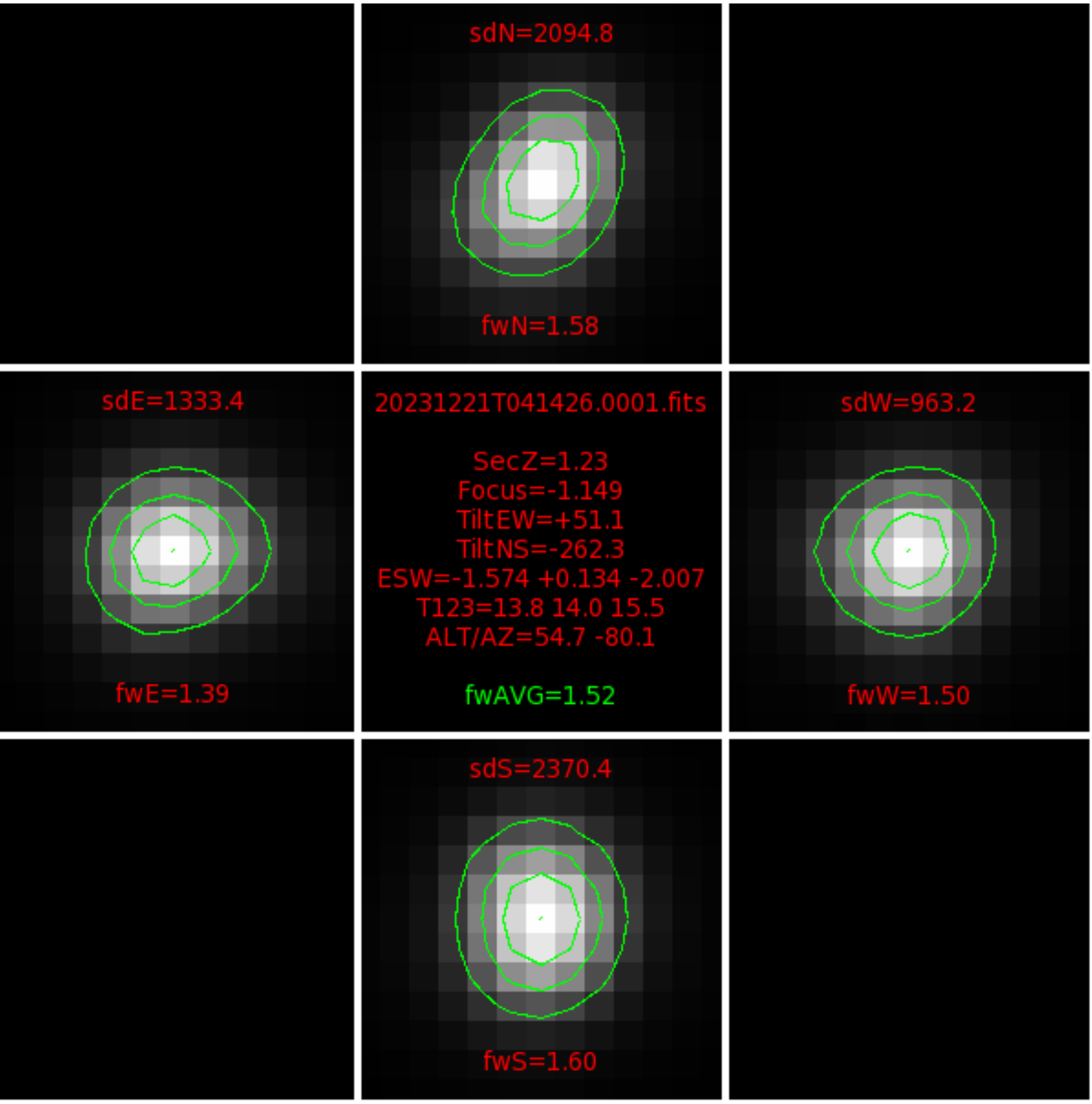
sdN=2094.8
fwN=1.58
sdE=1333.4
fwE=1.39
20231221T041426.0001.fits
SecZ=1.23
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.8 14.0 15.5
ALT/AZ=54.7 -80.1
fwAVG=1.52
sdW=963.2
fwW=1.50
sdS=2370.4
fwS=1.60
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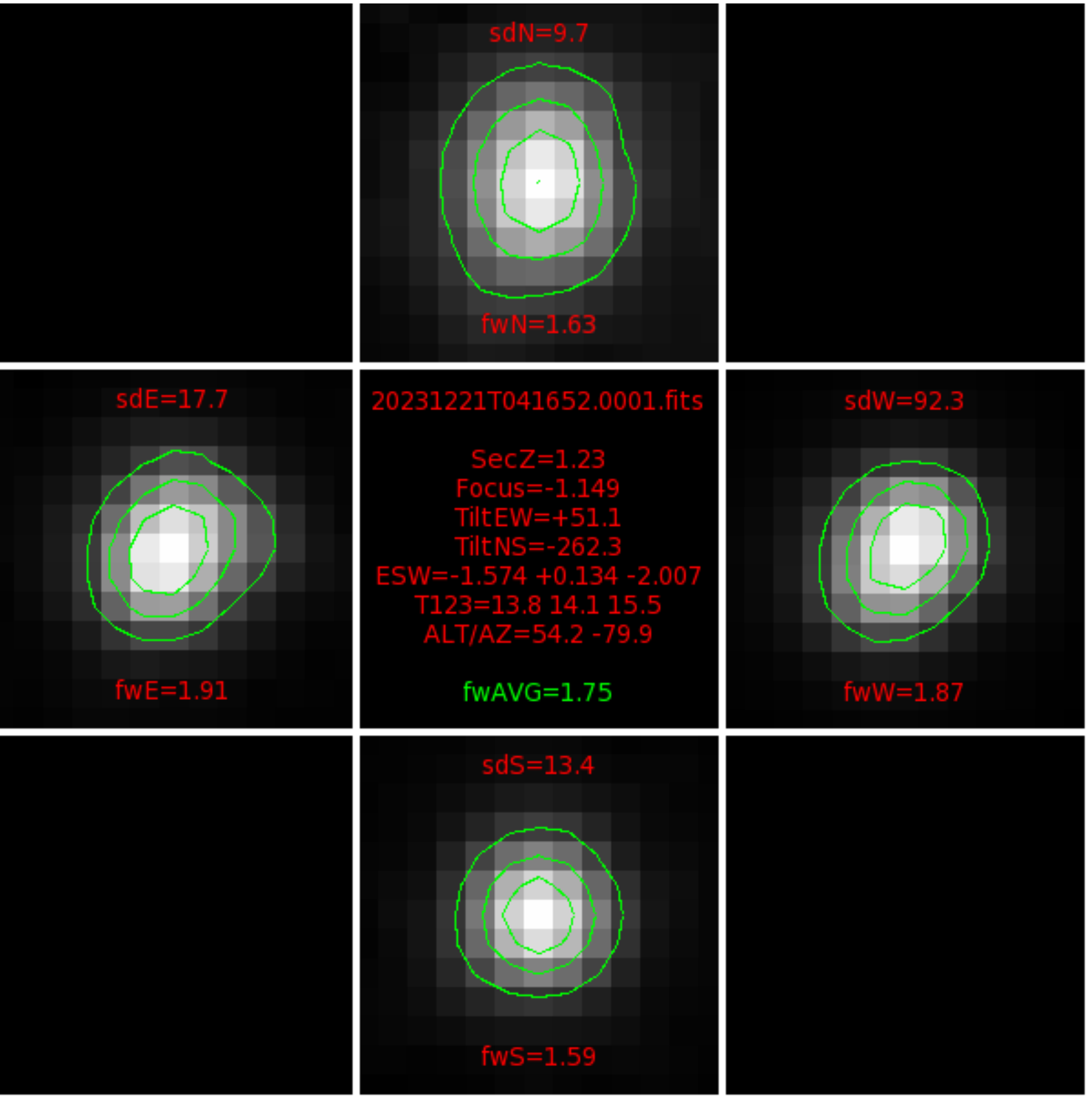
sdN=9.7
fwN=1.63
sdE=17.7
fwE=1.91
20231221T041652.0001.fits
SecZ=1.23
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.8 14.1 15.5
ALT/AZ=54.2 -79.9
fwAVG=1.75
sdW=92.3
fwW=1.87
sdS=13.4
fwS=1.59
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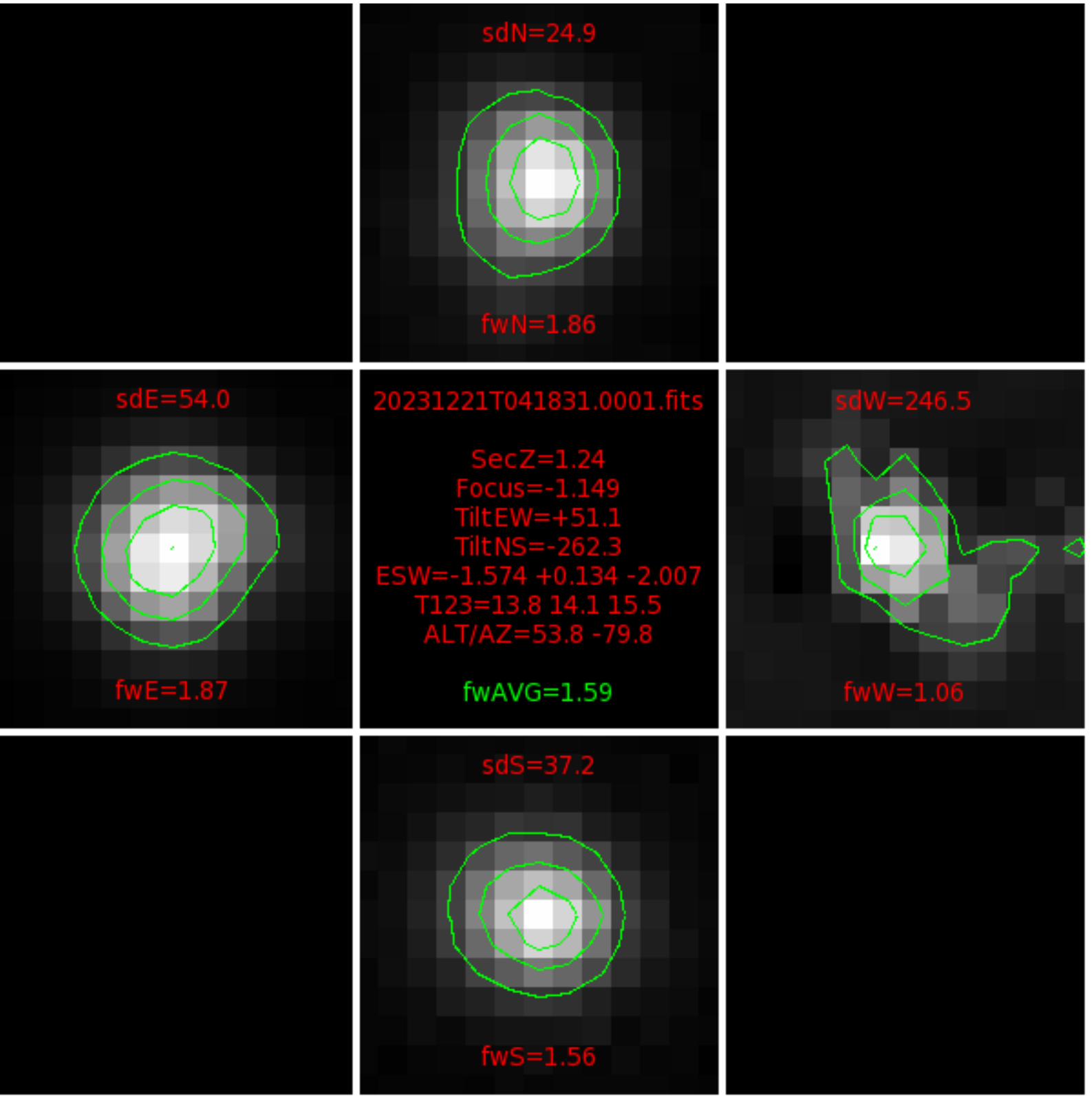
sdN=24.9
fwN=1.86
sdE=54.0
fwE=1.87
20231221T041831.0001.fits
SecZ=1.24
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.8 14.1 15.5
ALT/AZ=53.8 -79.8
fwAVG=1.59
sdW=246.5
fwW=1.06
sdS=37.2
fwS=1.56
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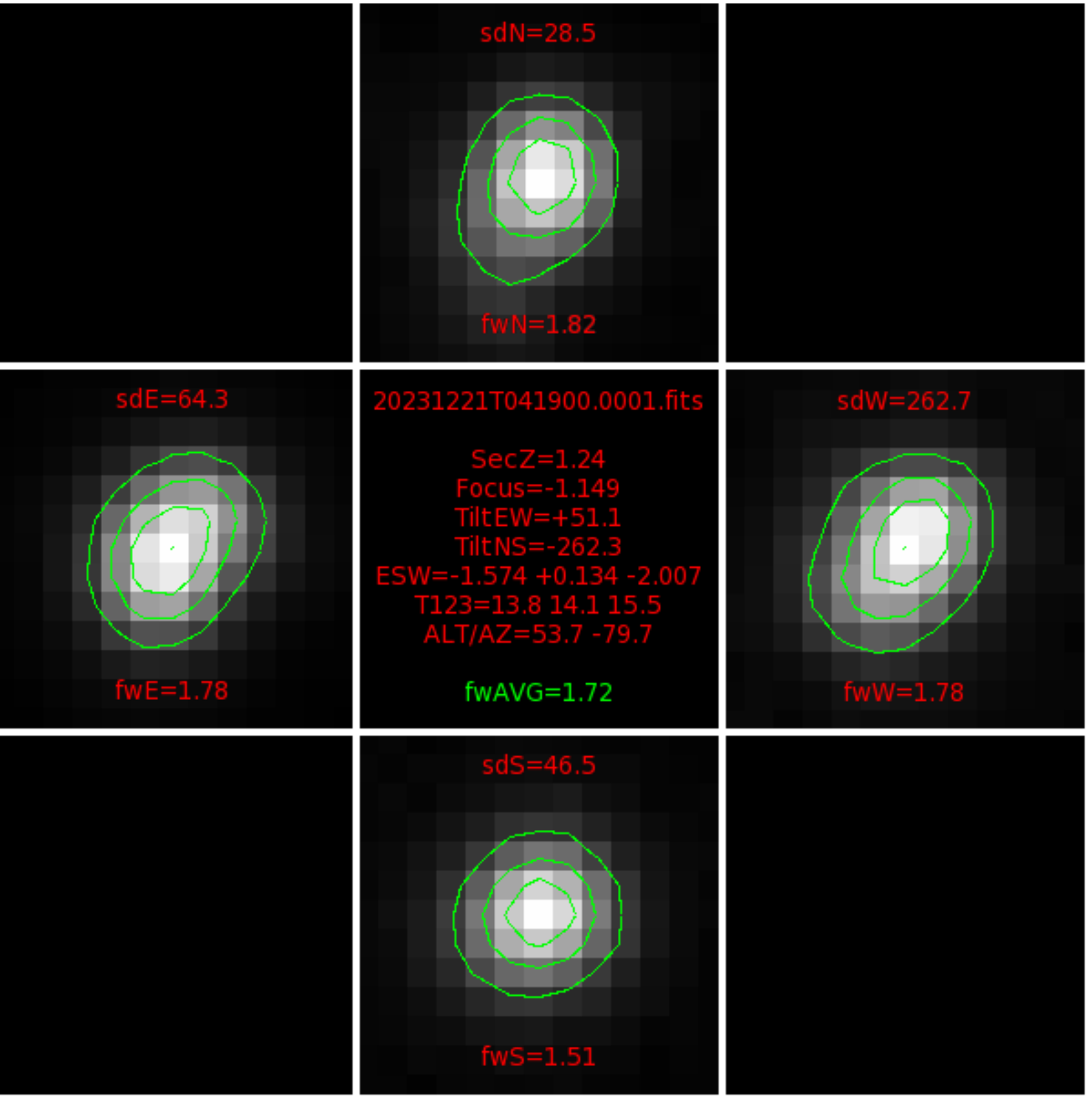
sdN=28.5
fwN=1.82
sdE=64.3
fwE=1.78
20231221T041900.0001.fits
SecZ=1.24
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.8 14.1 15.5
ALT/AZ=53.7 -79.7
fwAVG=1.72
sdW=262.7
fwW=1.78
sdS=46.5
fwS=1.51
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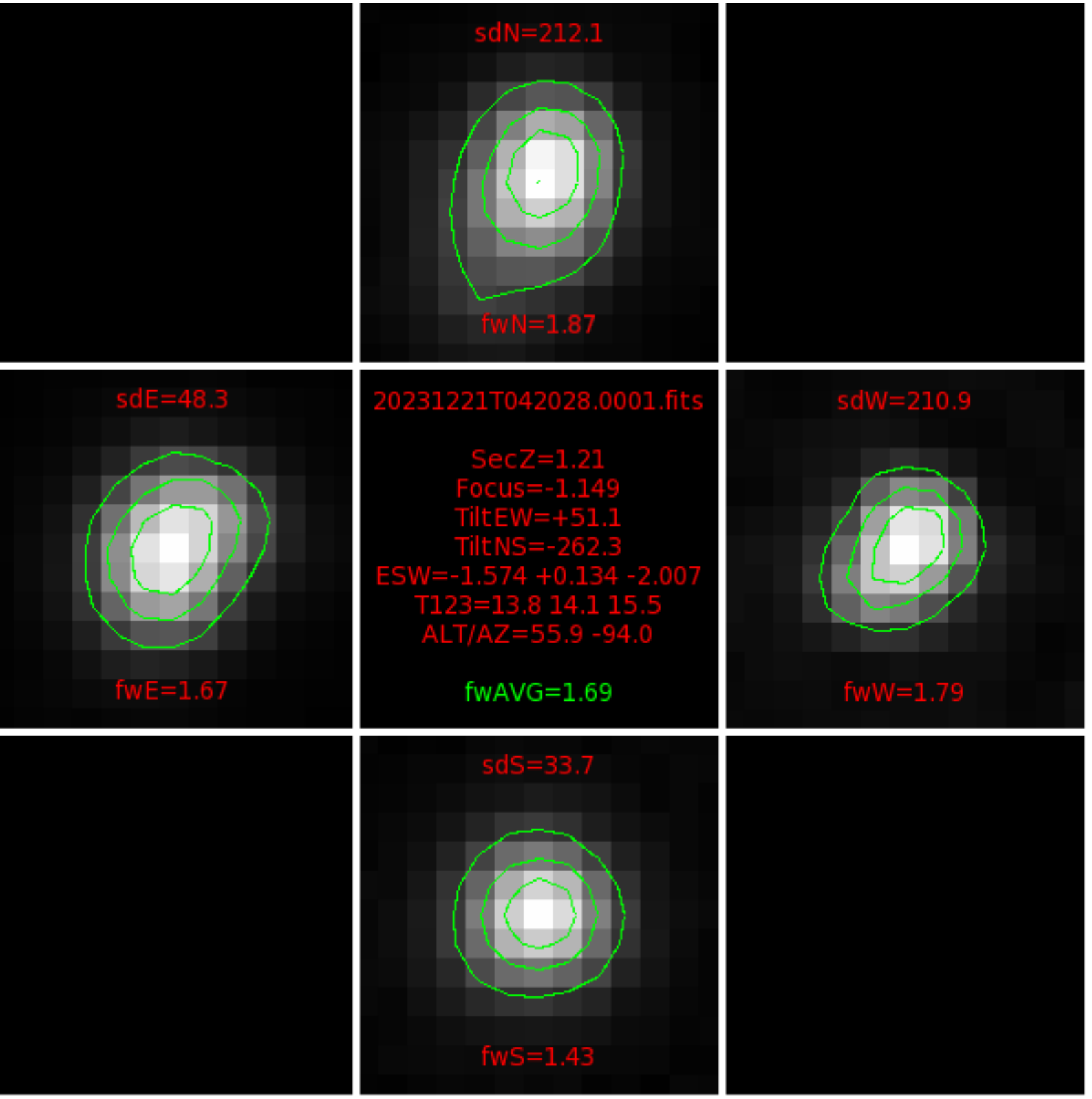
sdN=212.1
fwN=1.87
sdE=48.3
fwE=1.67
20231221T042028.0001.fits
SecZ=1.21
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.8 14.1 15.5
ALT/AZ=55.9 -94.0
fwAVG=1.69
sdW=210.9
fwW=1.79
sdS=33.7
fwS=1.43
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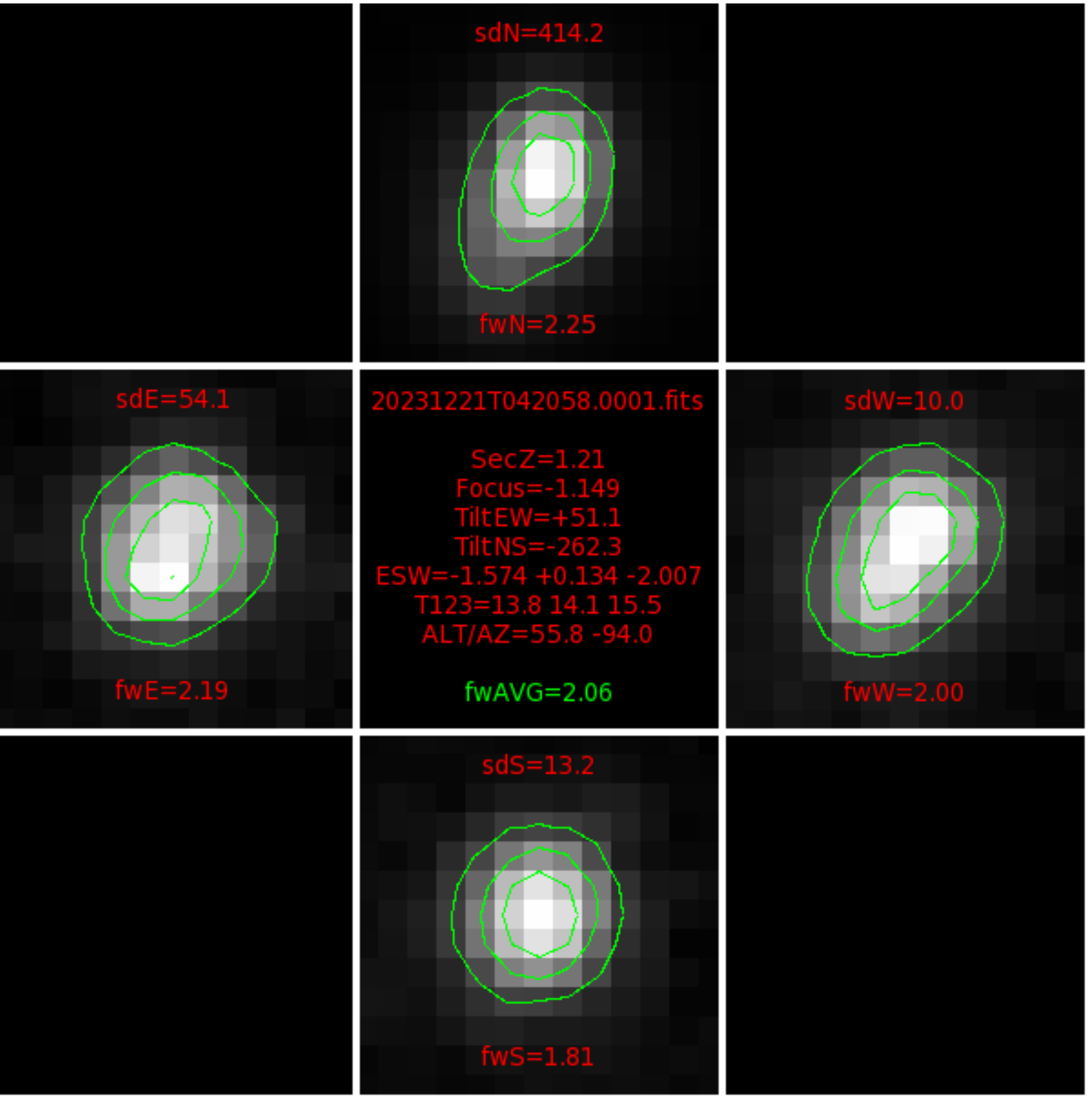
sdN=414.2
fwN=2.25
sdE=54.1
fwE=2.19
20231221T042058.0001.fits
SecZ=1.21
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.8 14.1 15.5
ALT/AZ=55.8 -94.0
fwAVG=2.06
sdW=10.0
fwW=2.00
sdS=13.2
fwS=1.81
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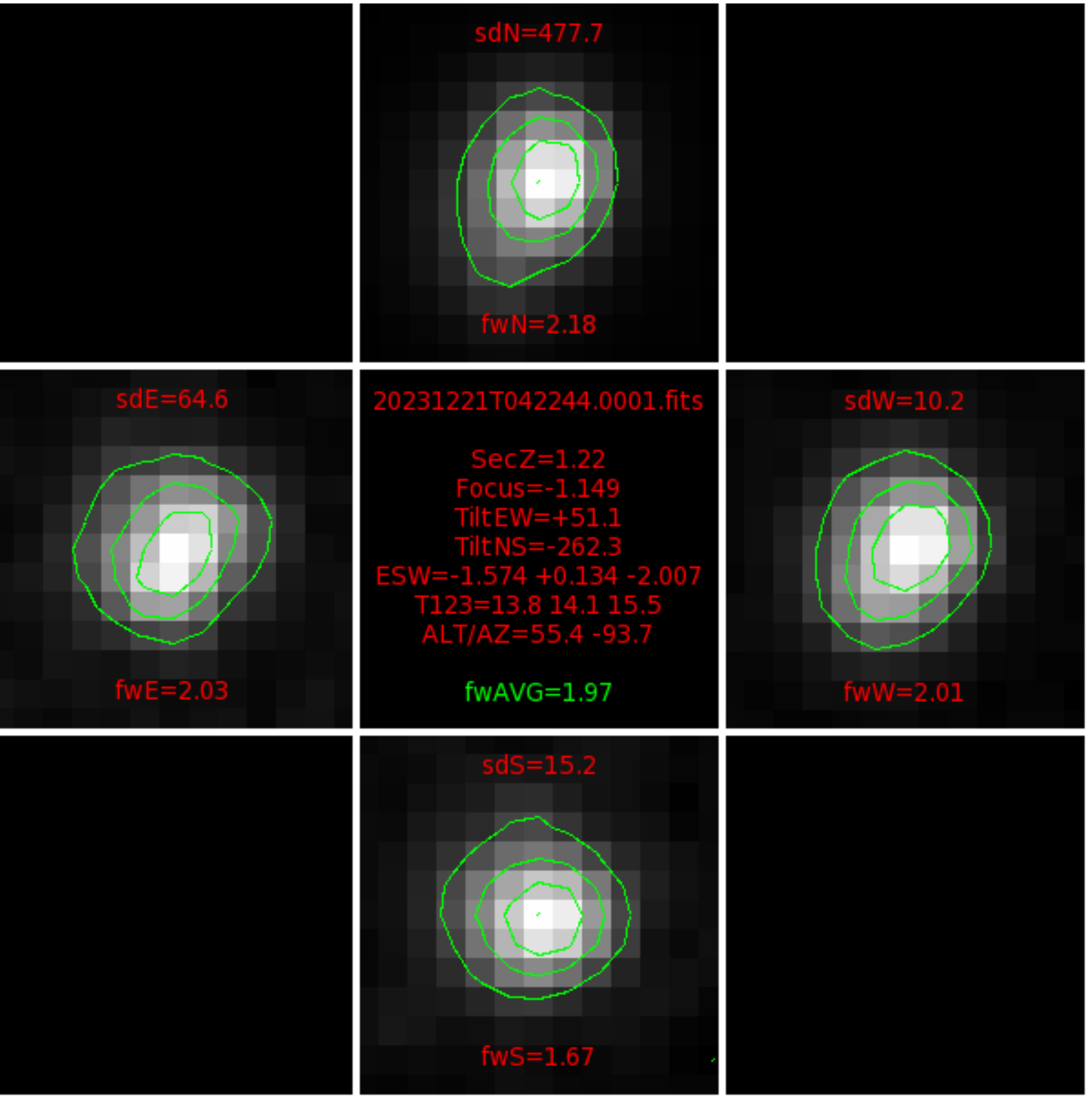
sdN=477.7
fwN=2.18
sdE=64.6
fwE=2.03
20231221T042244.0001.fits
SecZ=1.22
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.8 14.1 15.5
ALT/AZ=55.4 -93.7
fwAVG=1.97
sdW=10.2
fwW=2.01
sdS=15.2
fwS=1.67
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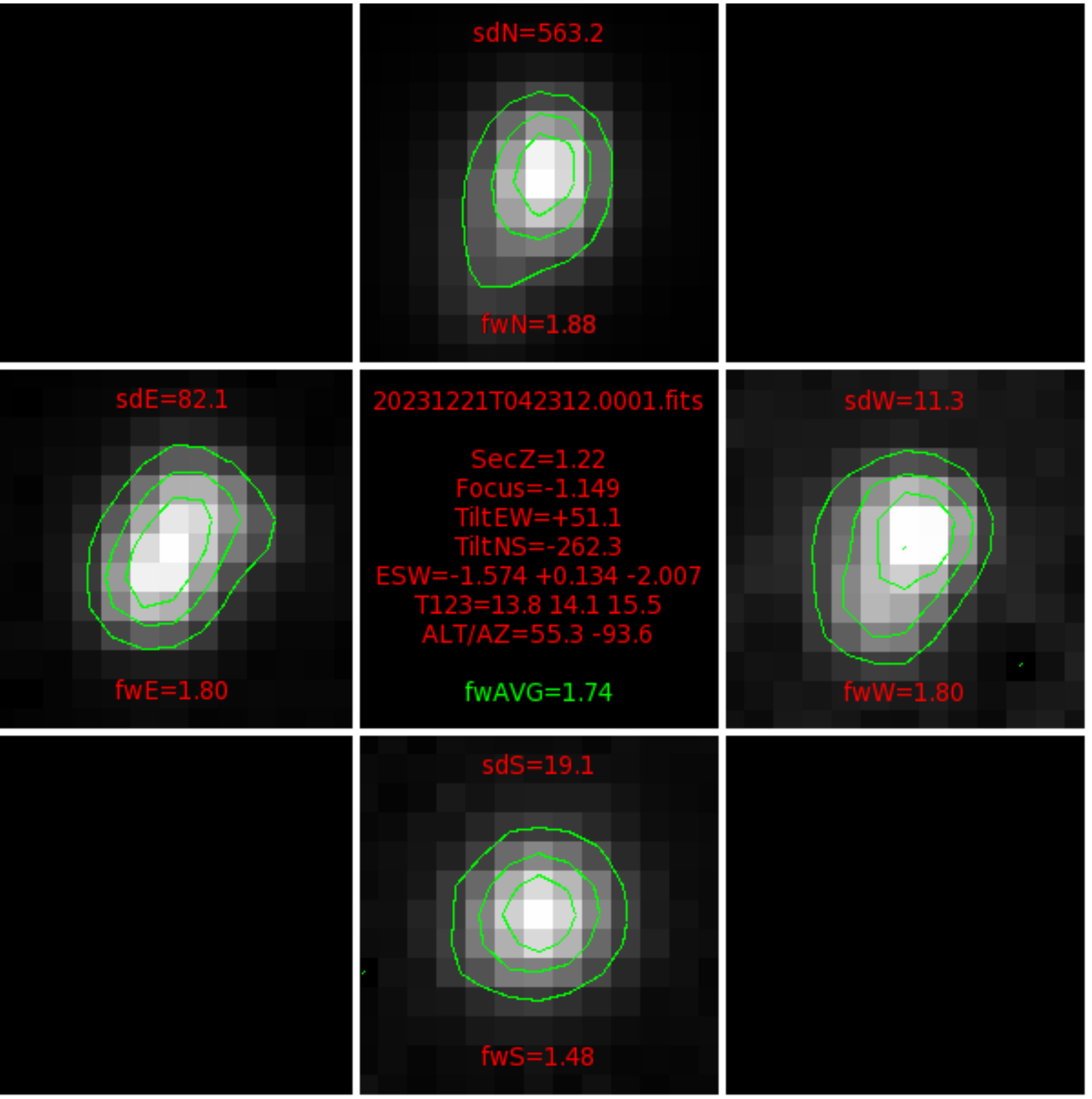
sdN=563.2
fwN=1.88
sdE=82.1
fwE=1.80
20231221T042312.0001.fits
SecZ=1.22
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.8 14.1 15.5
ALT/AZ=55.3 -93.6
fwAVG=1.74
sdW=11.3
fwW=1.80
sdS=19.1
fwS=1.48
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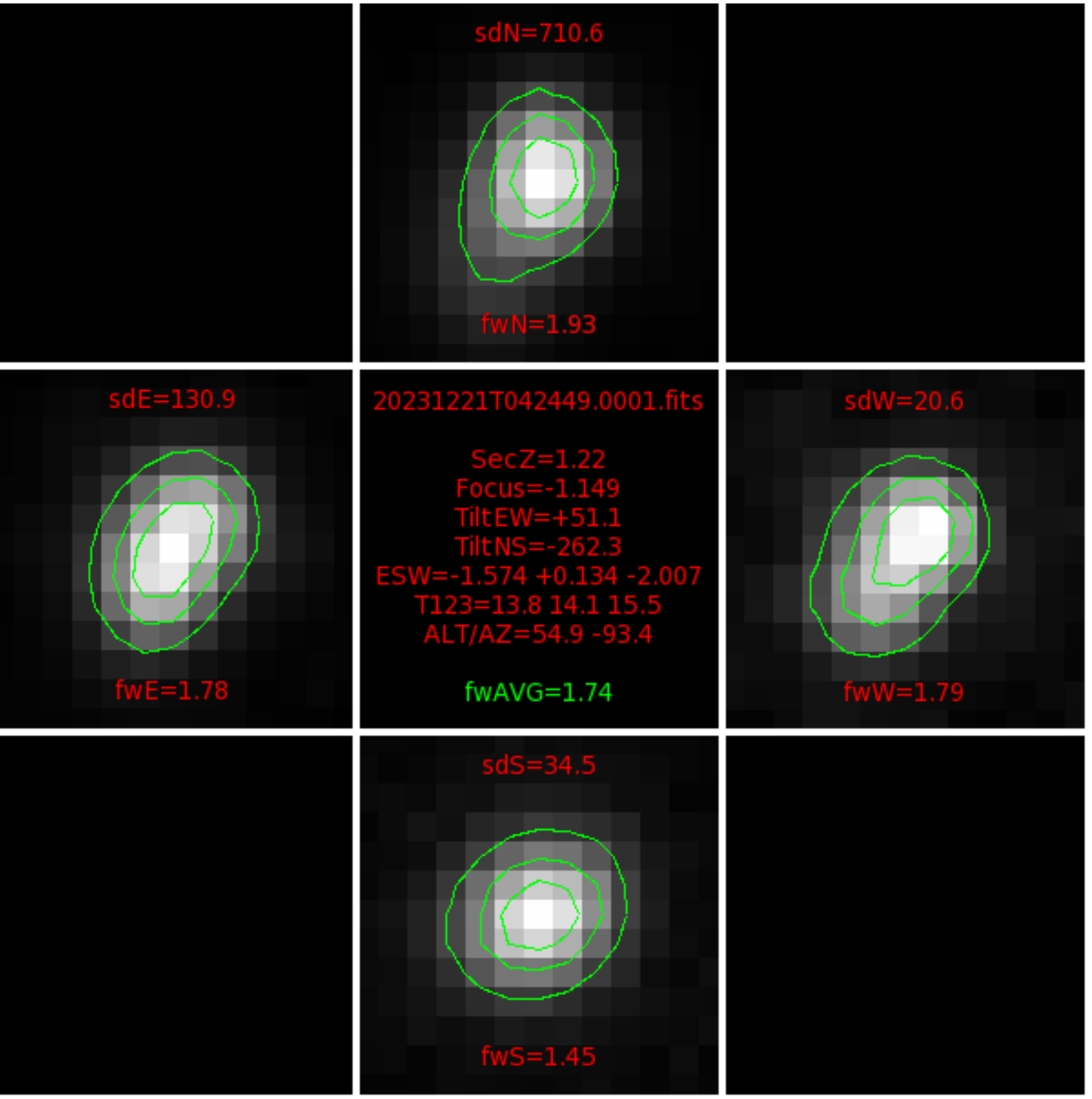
sdN=710.6
fwN=1.93
sdE=130.9
fwE=1.78
20231221T042449.0001.fits
SecZ=1.22
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.8 14.1 15.5
ALT/AZ=54.9 -93.4
fwAVG=1.74
sdW=20.6
fwW=1.79
sdS=34.5
fwS=1.45
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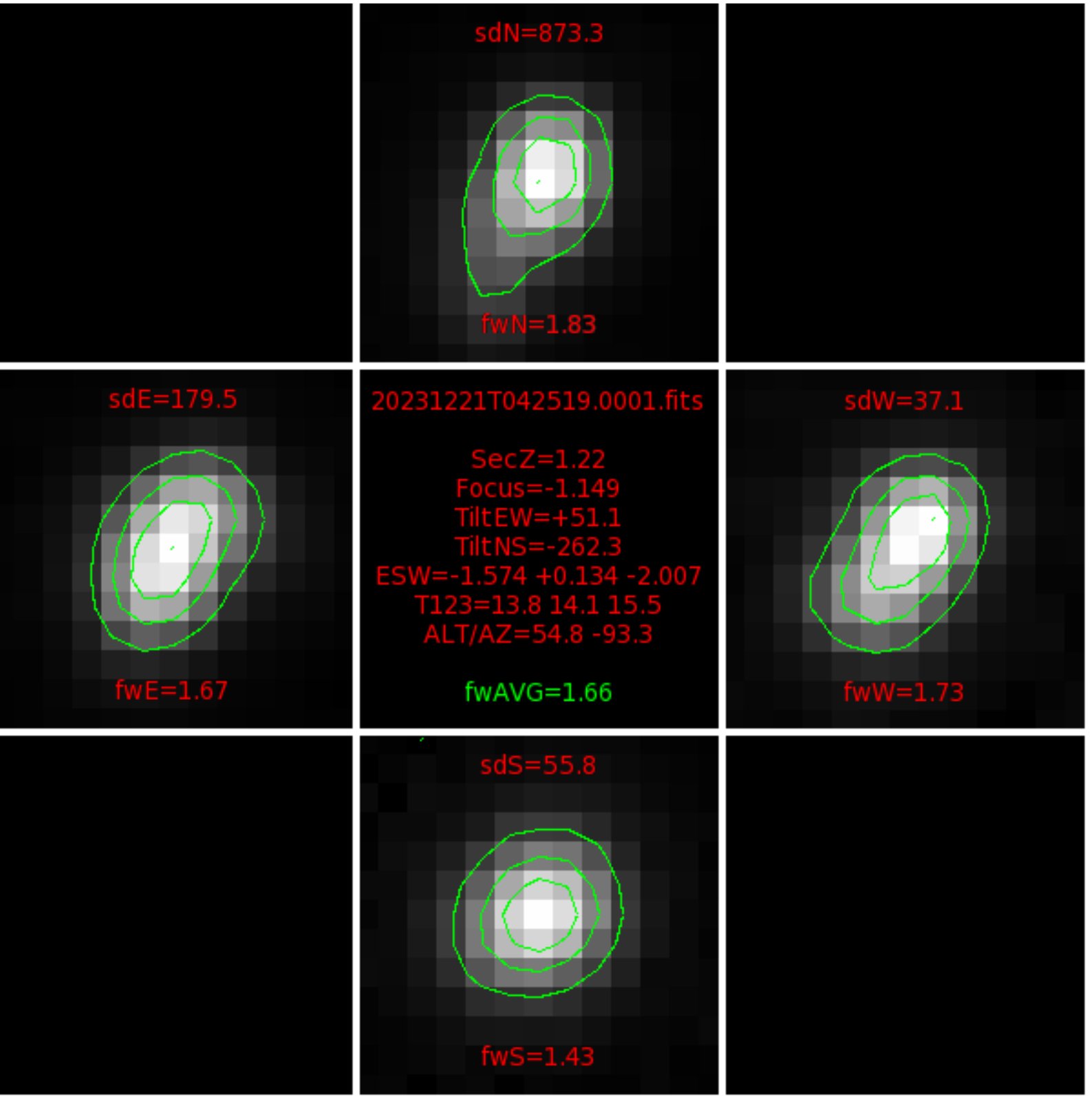
sdN=873.3
fwN=1.83
sdE=179.5
fwE=1.67
20231221T042519.0001.fits
SecZ=1.22
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.8 14.1 15.5
ALT/AZ=54.8 -93.3
fwAVG=1.66
sdW=37.1
fwW=1.73
sdS=55.8
fwS=1.43
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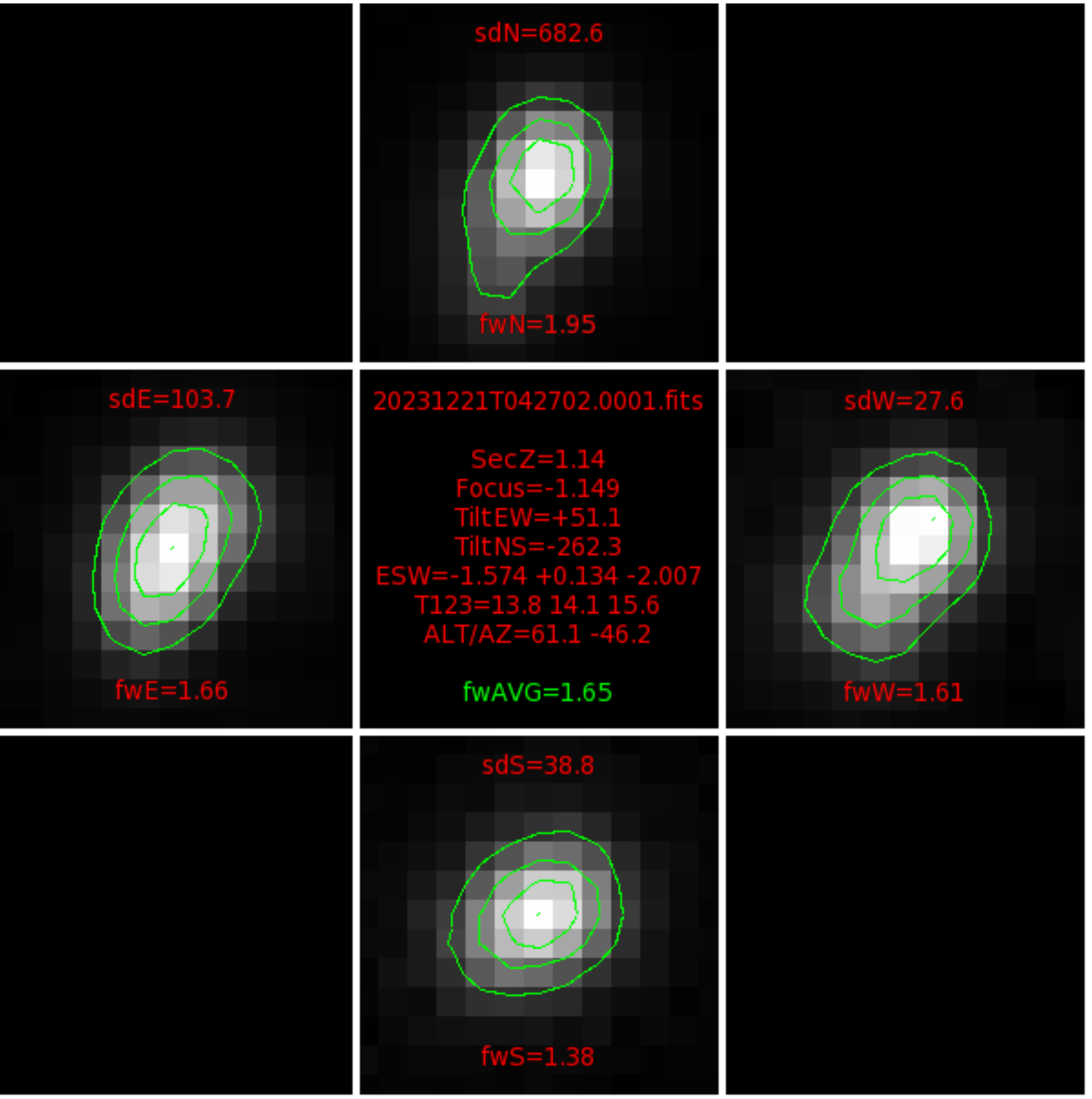
sdN=682.6
fwN=1.95
sdE=103.7
fwE=1.66
20231221T042702.0001.fits
SecZ=1.14
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.8 14.1 15.6
ALT/AZ=61.1 -46.2
fwAVG=1.65
sdW=27.6
fwW=1.61
sdS=38.8
fwS=1.38
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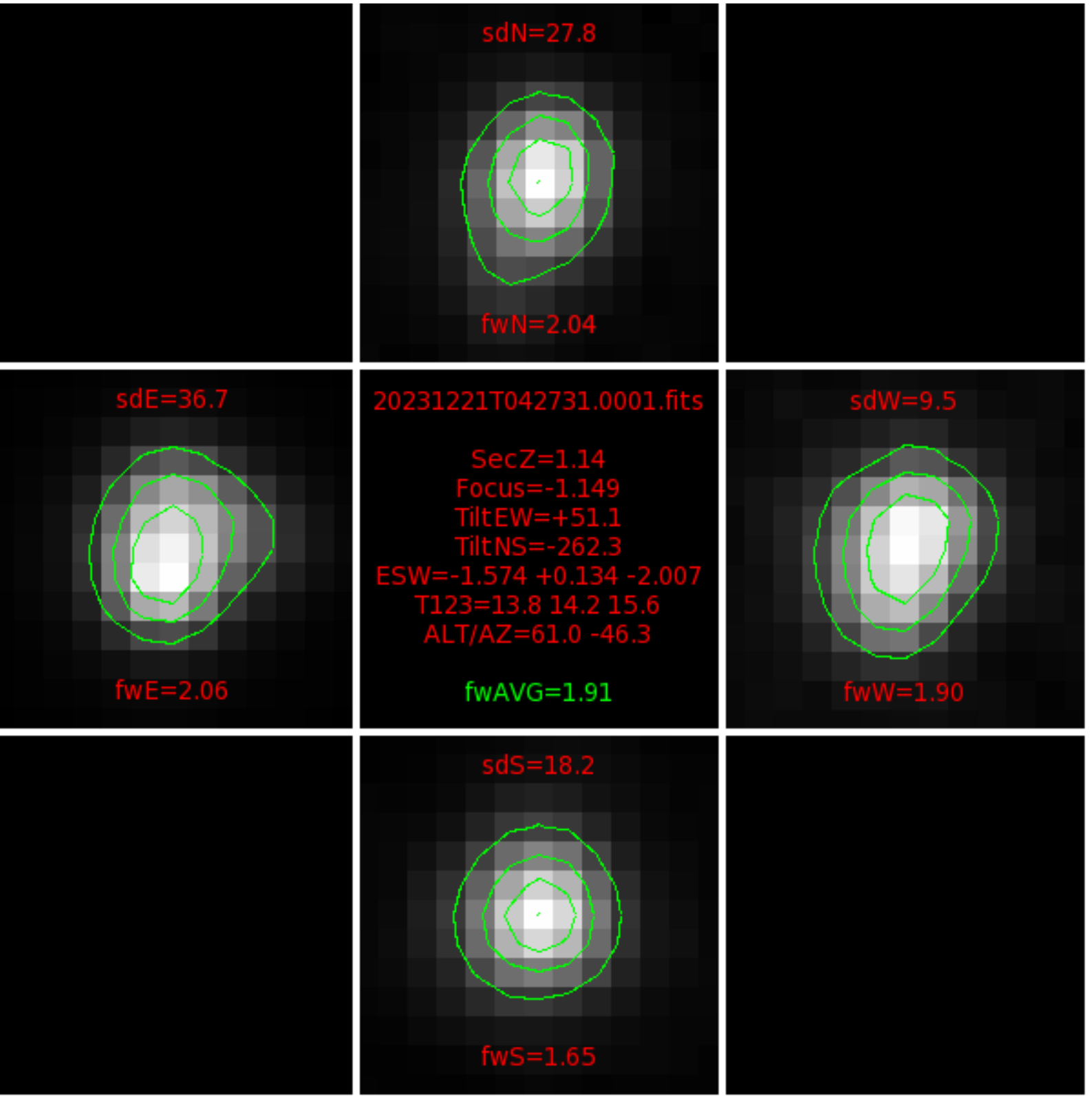
sdN=27.8
fwN=2.04
sdE=36.7
fwE=2.06
20231221T042731.0001.fits
SecZ=1.14
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=13.8 14.2 15.6
ALT/AZ=61.0 -46.3
fwAVG=1.91
sdW=9.5
fwW=1.90
sdS=18.2
fwS=1.65
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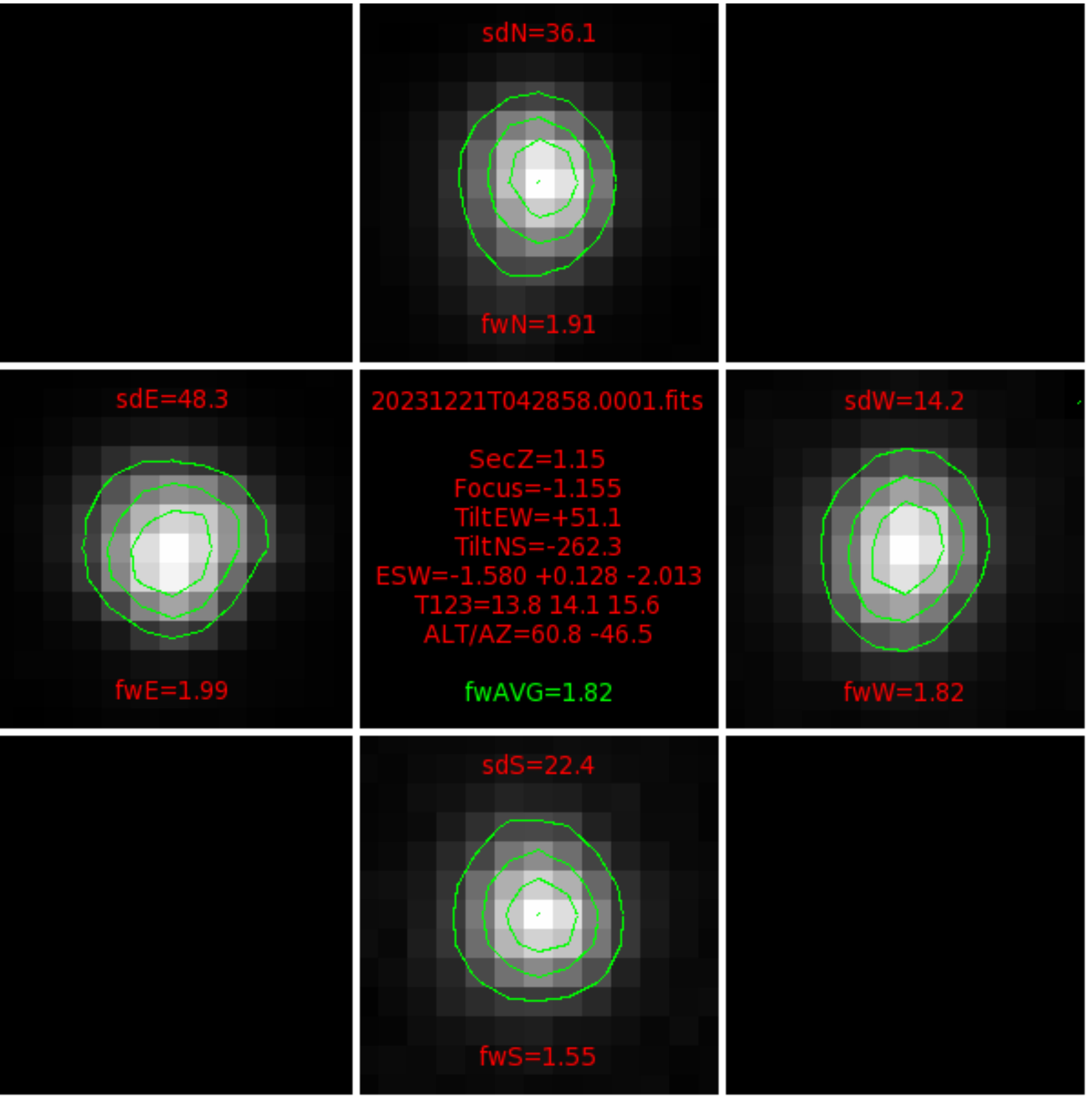
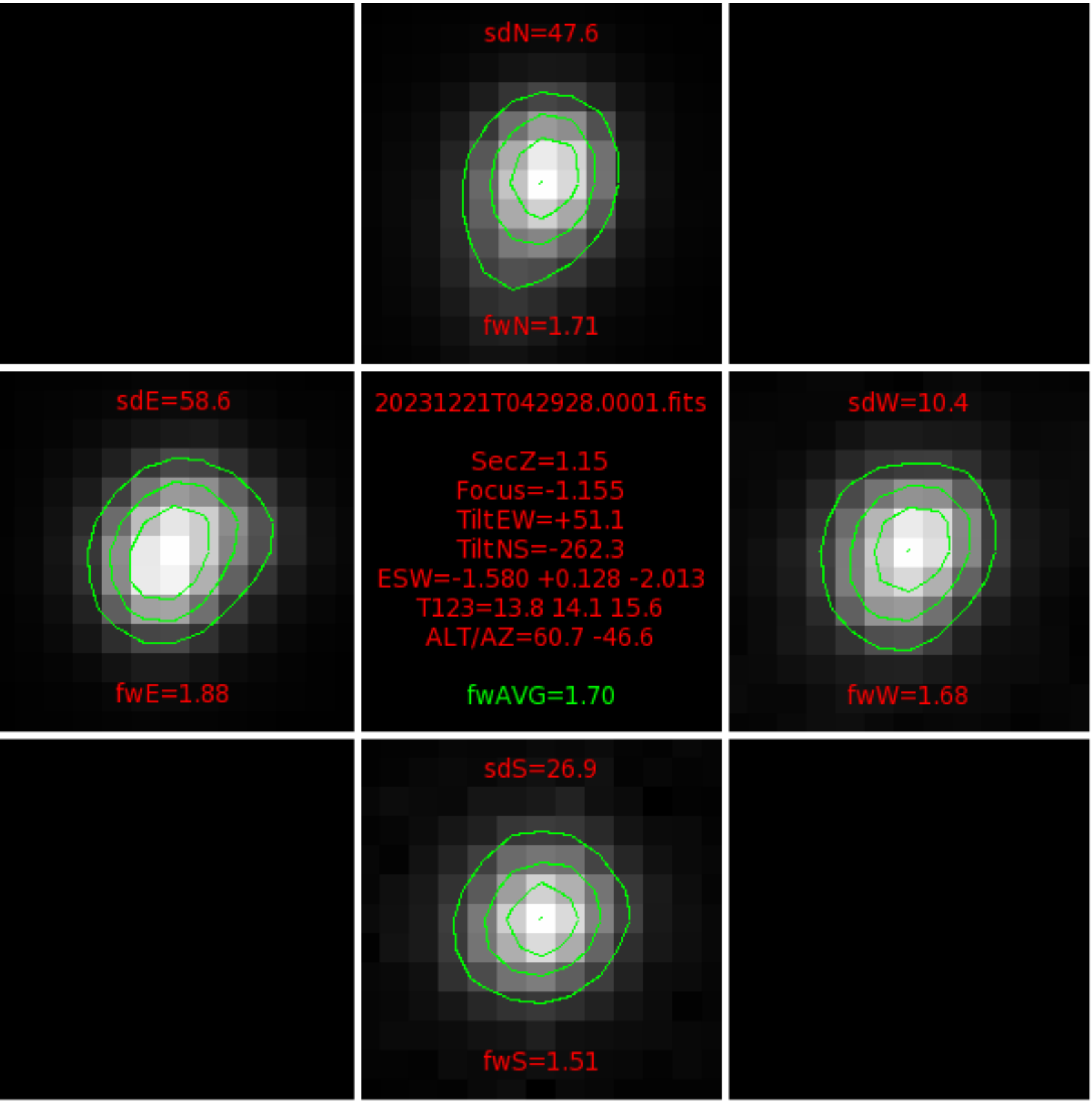

sdN=36.1
fwN=1.91
sdE=48.3
fwE=1.99
20231221T042858.0001.fits
SecZ=1.15
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=13.8 14.1 15.6
ALT/AZ=60.8 -46.5
fwAVG=1.82
sdW=14.2
fwW=1.82
sdS=22.4
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=47.6
fwN=1.71
sdE=58.6
fwE=1.88
20231221T042928.0001.fits
SecZ=1.15
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=13.8 14.1 15.6
ALT/AZ=60.7 -46.6
fwAVG=1.70
sdW=10.4
fwW=1.68
sdS=26.9
fwS=1.51
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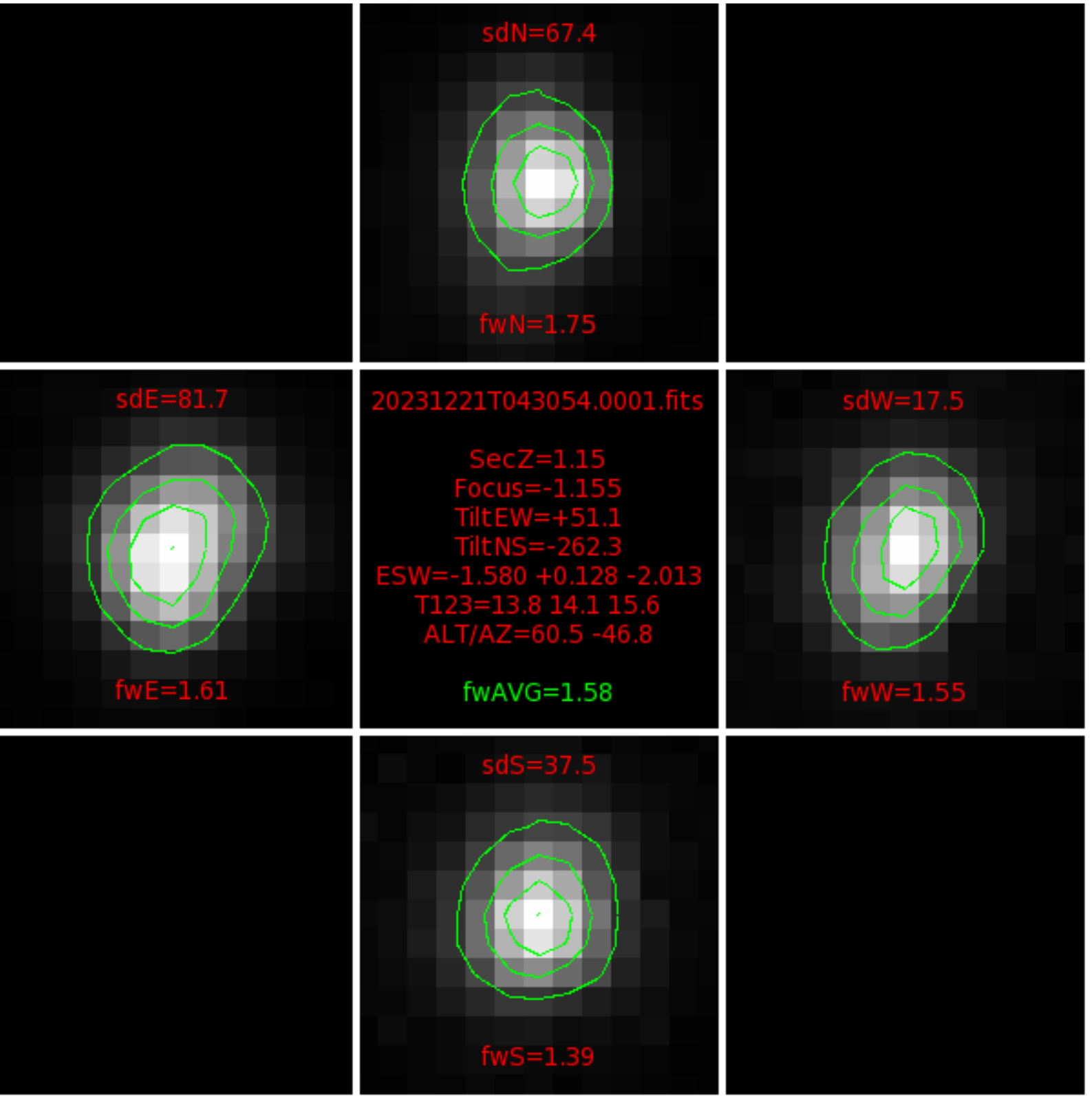
sdN=67.4
fwN=1.75
sdE=81.7
fwE=1.61
20231221T043054.0001.fits
SecZ=1.15
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=13.8 14.1 15.6
ALT/AZ=60.5 -46.8
fwAVG=1.58
sdW=17.5
fwW=1.55
sdS=37.5
fwS=1.39
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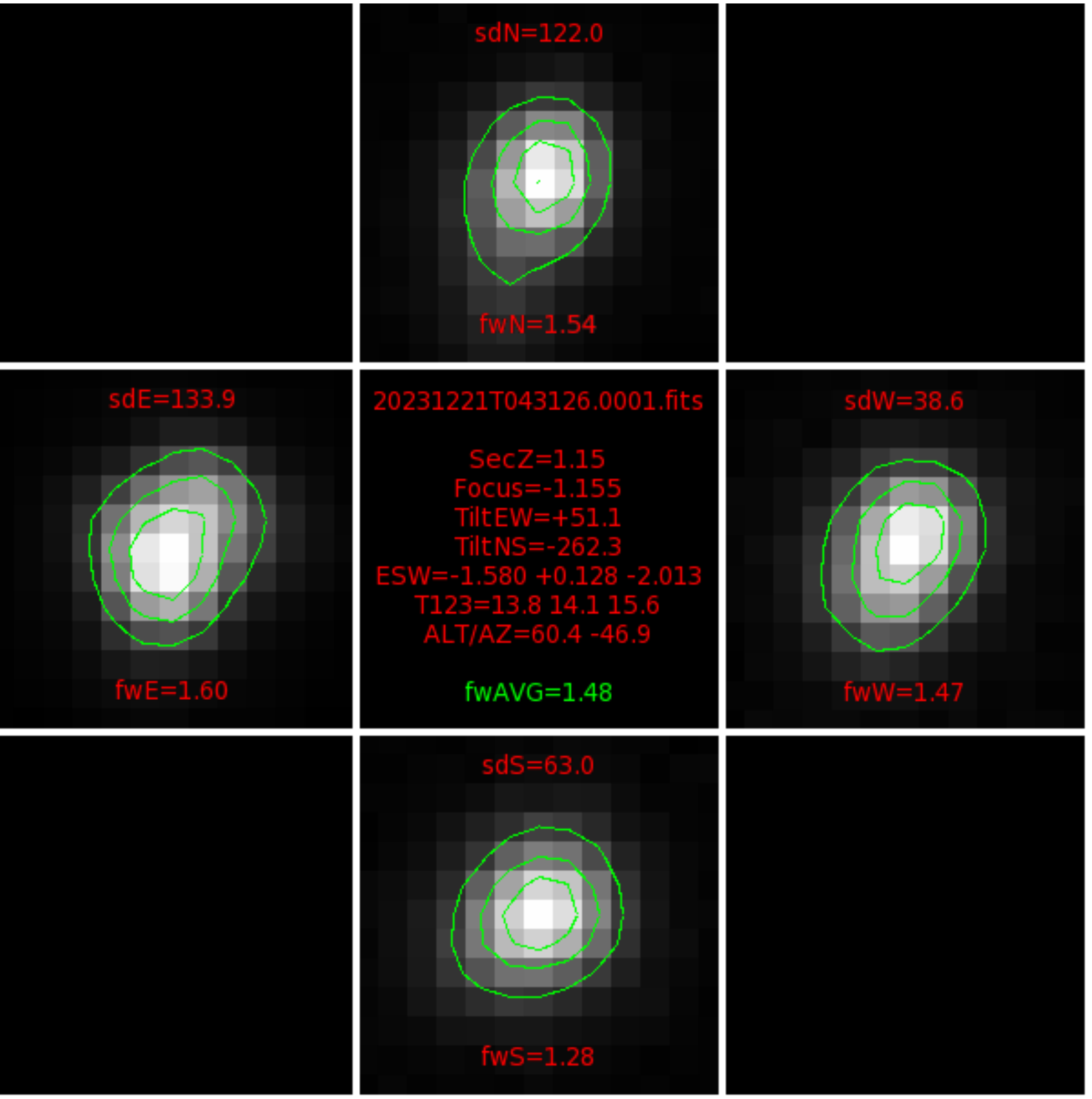
sdN=122.0
fwN=1.54
sdE=133.9
fwE=1.60
20231221T043126.0001.fits
SecZ=1.15
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=13.8 14.1 15.6
ALT/AZ=60.4 -46.9
fwAVG=1.48
sdW=38.6
fwW=1.47
sdS=63.0
fwS=1.28
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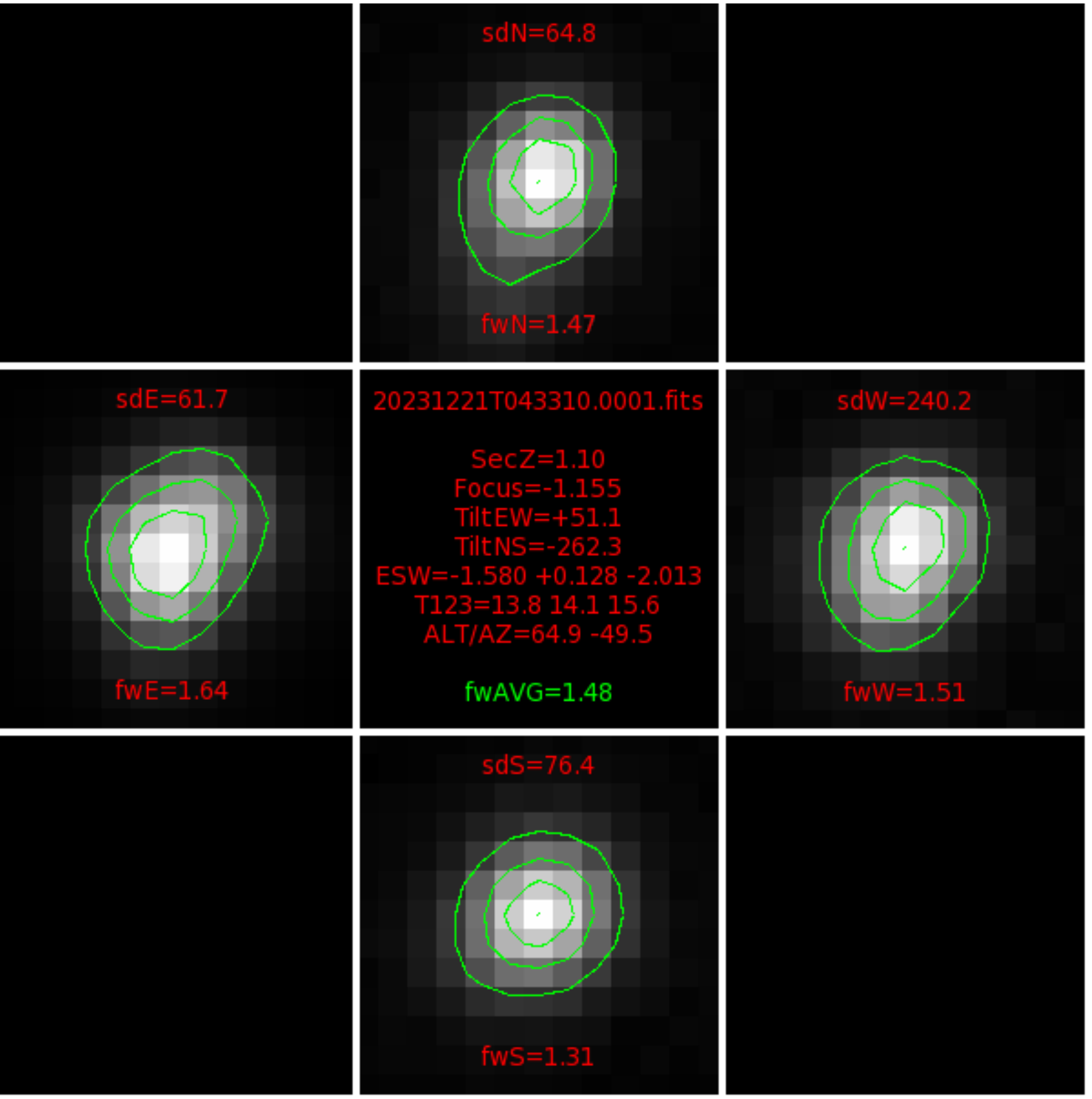
sdN=64.8
fwN=1.47
sdE=61.7
fwE=1.64
20231221T043310.0001.fits
SecZ=1.10
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=13.8 14.1 15.6
ALT/AZ=64.9 -49.5
fwAVG=1.48
sdW=240.2
fwW=1.51
sdS=76.4
fwS=1.31
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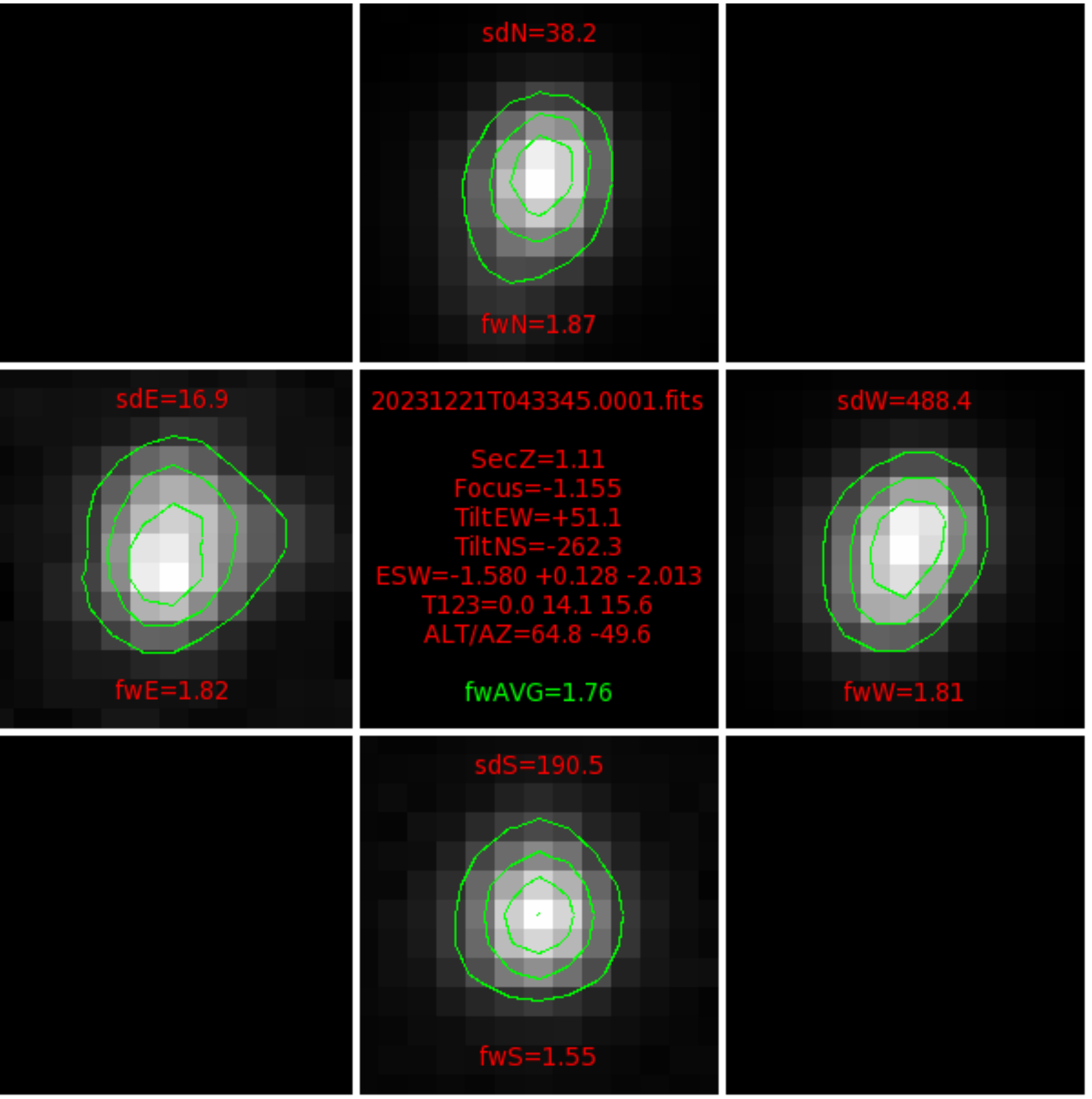
sdN=38.2
fwN=1.87
sdE=16.9
fwE=1.82
20231221T043345.0001.fits
SecZ=1.11
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=0.0 14.1 15.6
ALT/AZ=64.8 -49.6
fwAVG=1.76
sdW=488.4
fwW=1.81
sdS=190.5
fwS=1.55
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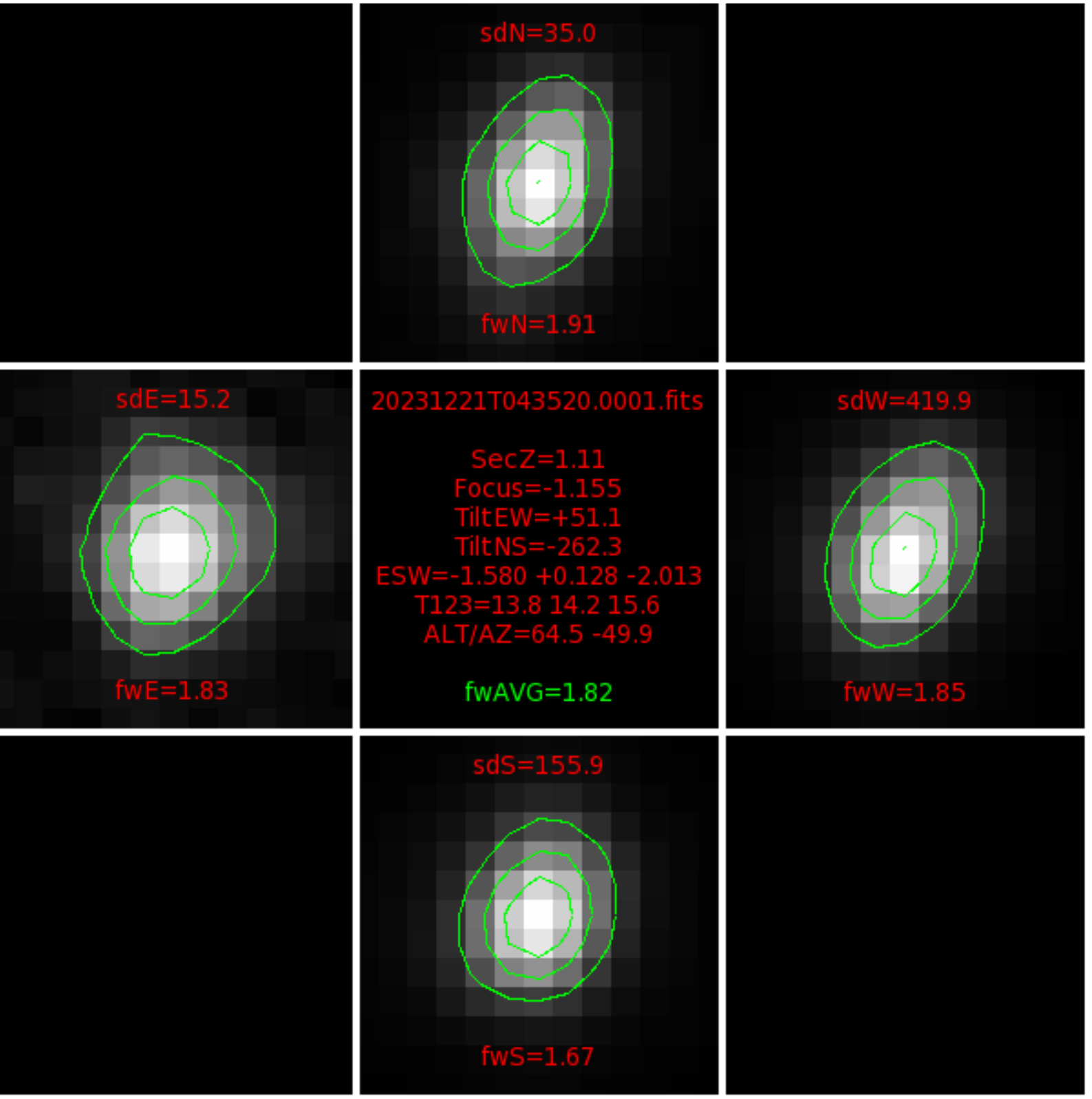
sdN=35.0
fwN=1.91
sdE=15.2
fwE=1.83
20231221T043520.0001.fits
SecZ=1.11
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=13.8 14.2 15.6
ALT/AZ=64.5 -49.9
fwAVG=1.82
sdW=419.9
fwW=1.85
sdS=155.9
fwS=1.67
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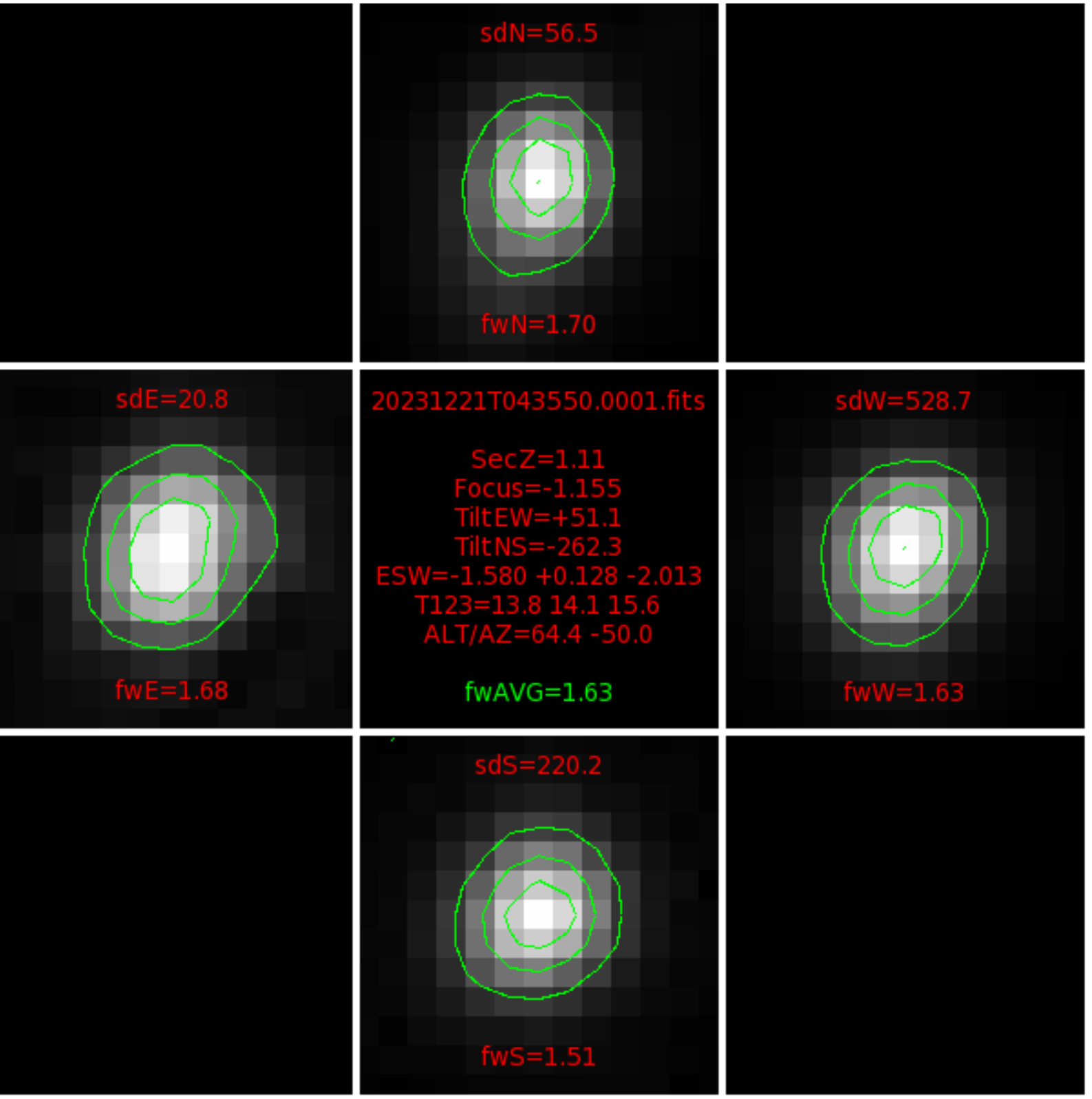
sdN=56.5
fwN=1.70
sdE=20.8
fwE=1.68
20231221T043550.0001.fits
SecZ=1.11
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=13.8 14.1 15.6
ALT/AZ=64.4 -50.0
fwAVG=1.63
sdW=528.7
fwW=1.63
sdS=220.2
fwS=1.51
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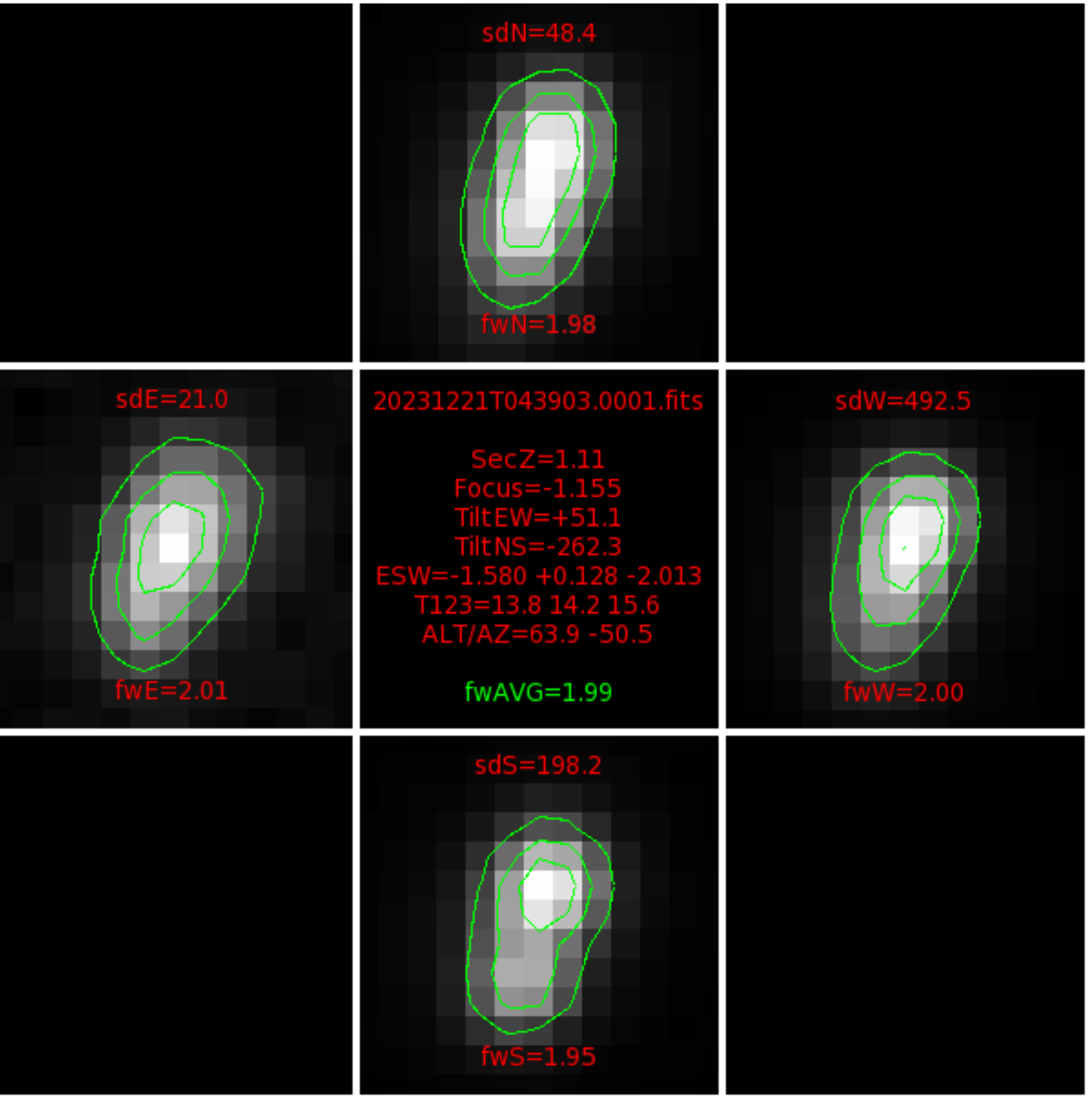
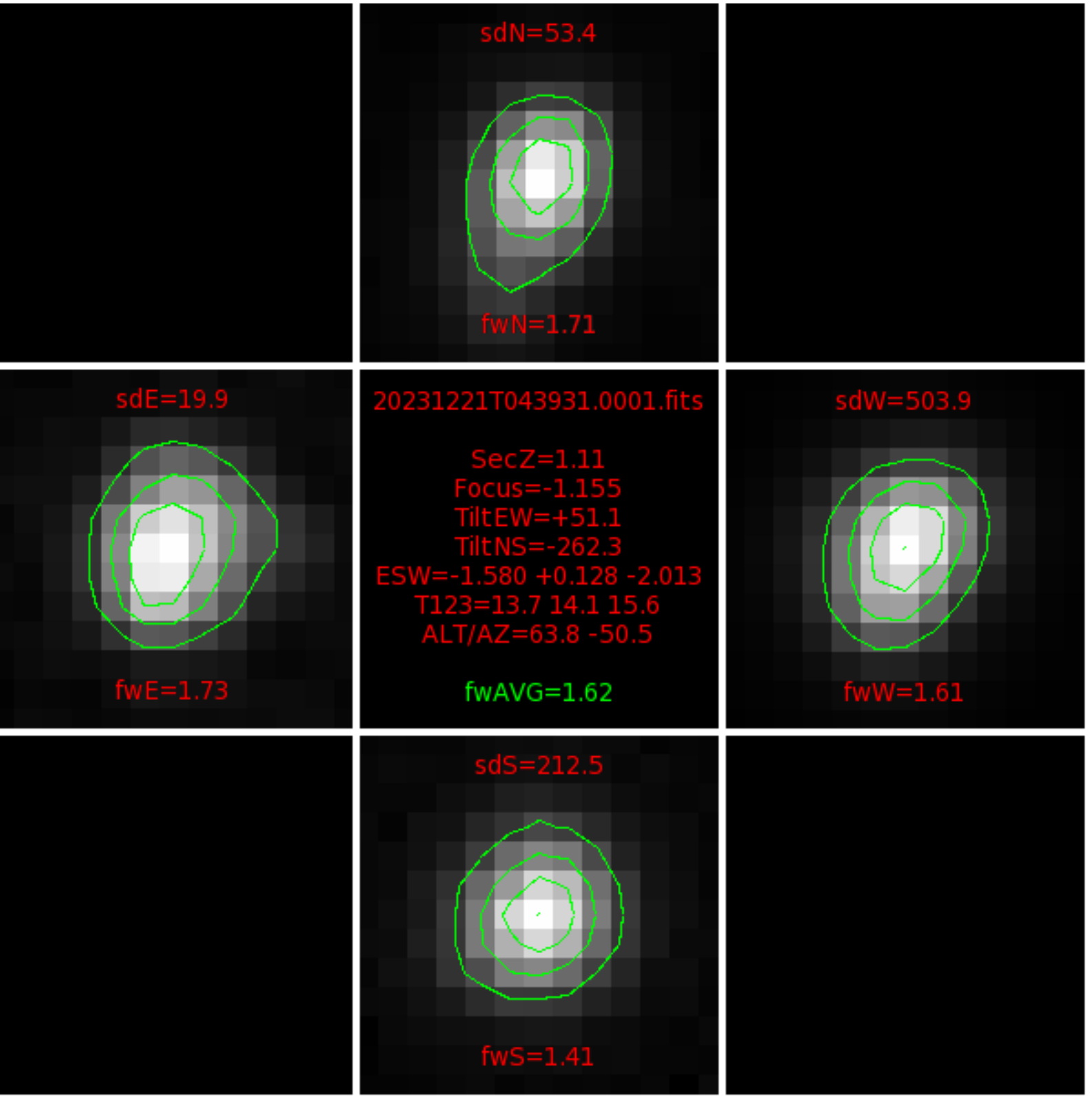

sdN=48.4
fwN=1.98
sdE=21.0
fwE=2.01
20231221T043903.0001.fits
SecZ=1.11
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=13.8 14.2 15.6
ALT/AZ=63.9 -50.5
fwAVG=1.99
sdW=492.5
fwW=2.00
sdS=198.2
fwS=1.95
0 0 0 0 0 0 0 0 0


sdN=53.4
fwN=1.71
sdE=19.9
fwE=1.73
20231221T043931.0001.fits
SecZ=1.11
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=13.7 14.1 15.6
ALT/AZ=63.8 -50.5
fwAVG=1.62
sdW=503.9
fwW=1.61
sdS=212.5
fwS=1.41
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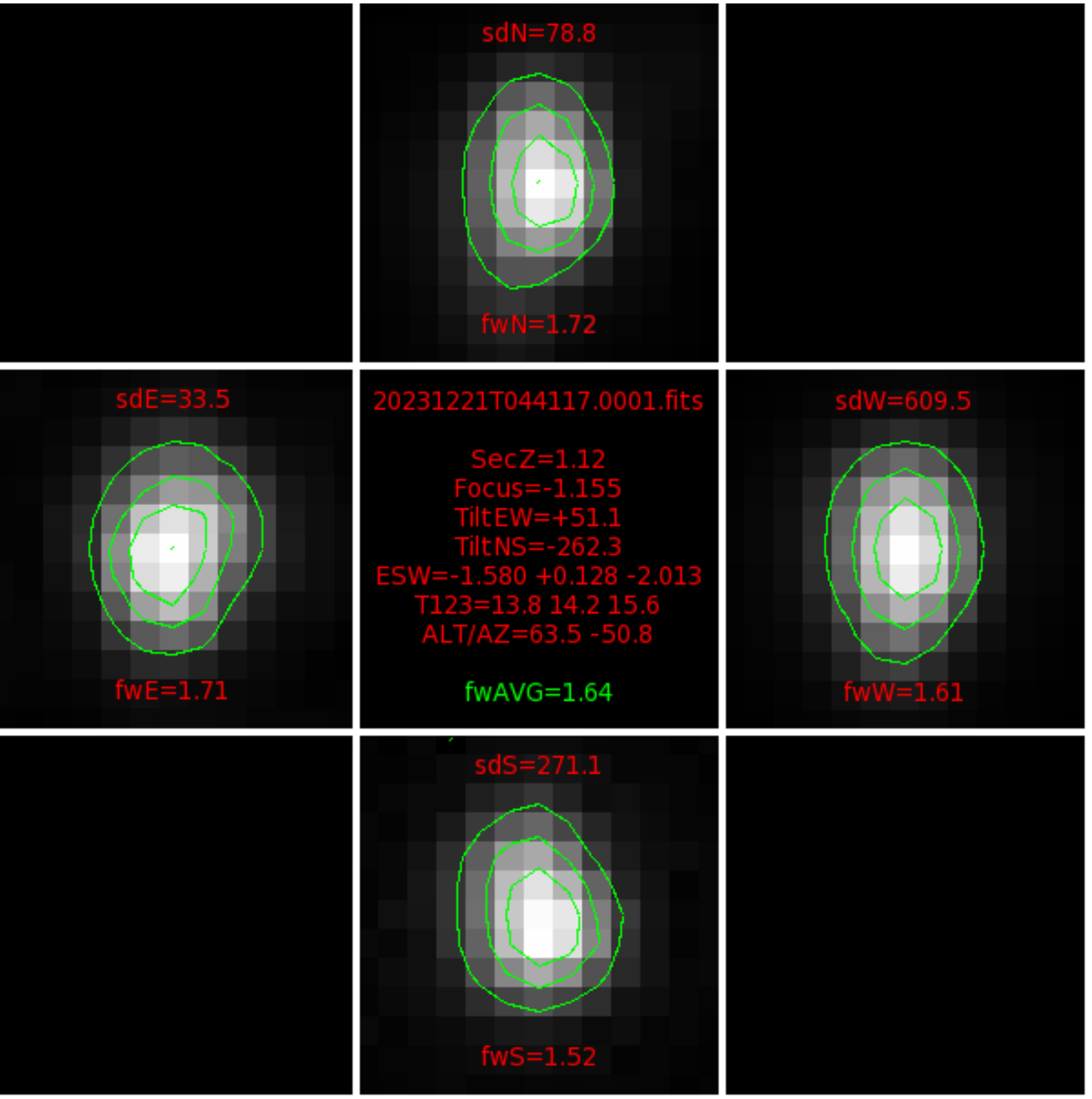
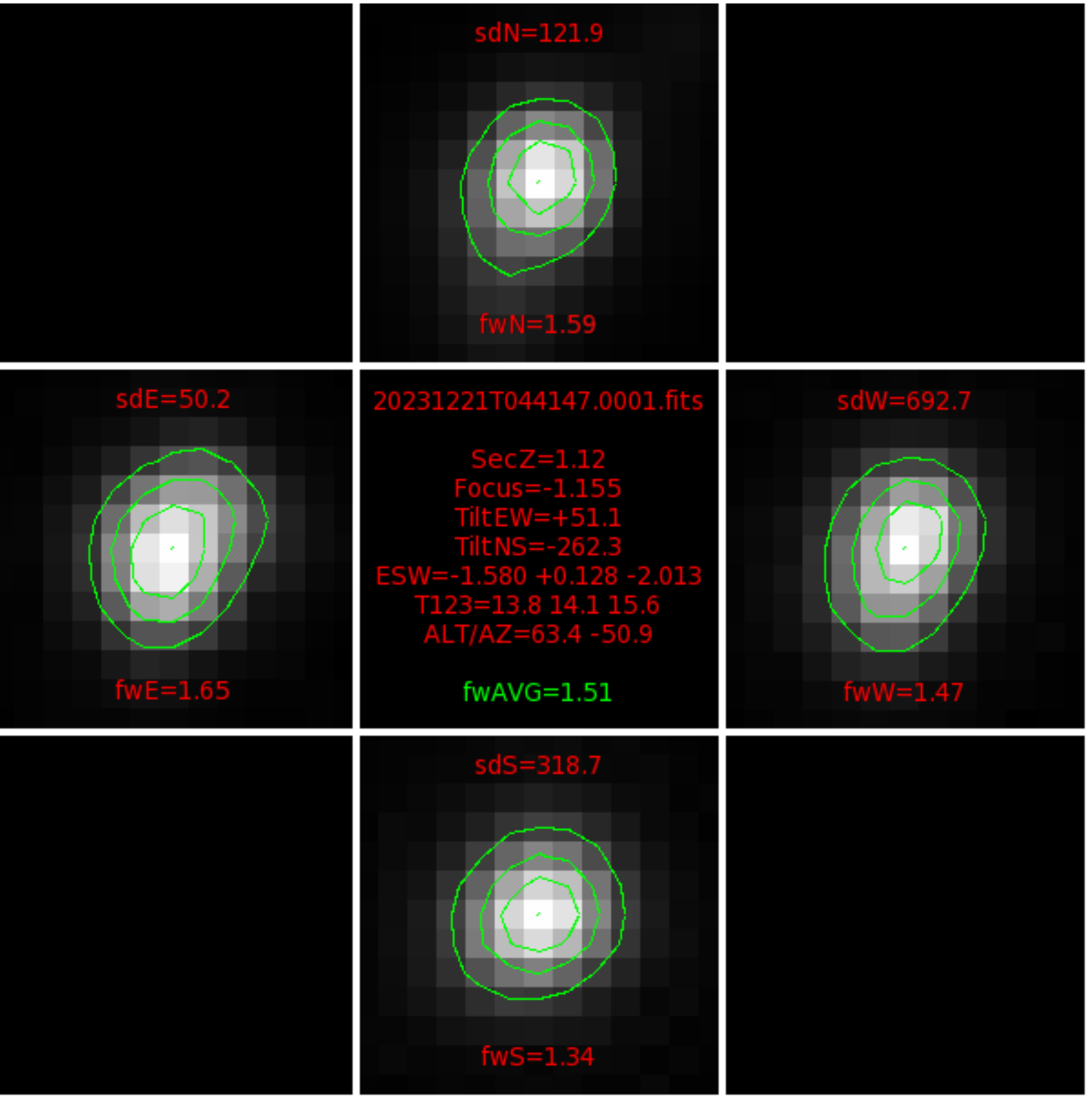

sdN=78.8
fwN=1.72
sdE=33.5
20231221T044117.0001.fits
SecZ=1.12
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=13.8 14.2 15.6
ALT/AZ=63.5 -50.8
fwAVG=1.64
sdW=609.5
fwE=1.71
fwW=1.61
sdS=271.1
fwS=1.52
0 0 0 0 0 0 0 0 0


sdN=121.9
fwN=1.59
sdE=50.2
fwE=1.65
20231221T044147.0001.fits
SecZ=1.12
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=13.8 14.1 15.6
ALT/AZ=63.4 -50.9
fwAVG=1.51
sdW=692.7
fwW=1.47
sdS=318.7
fwS=1.34
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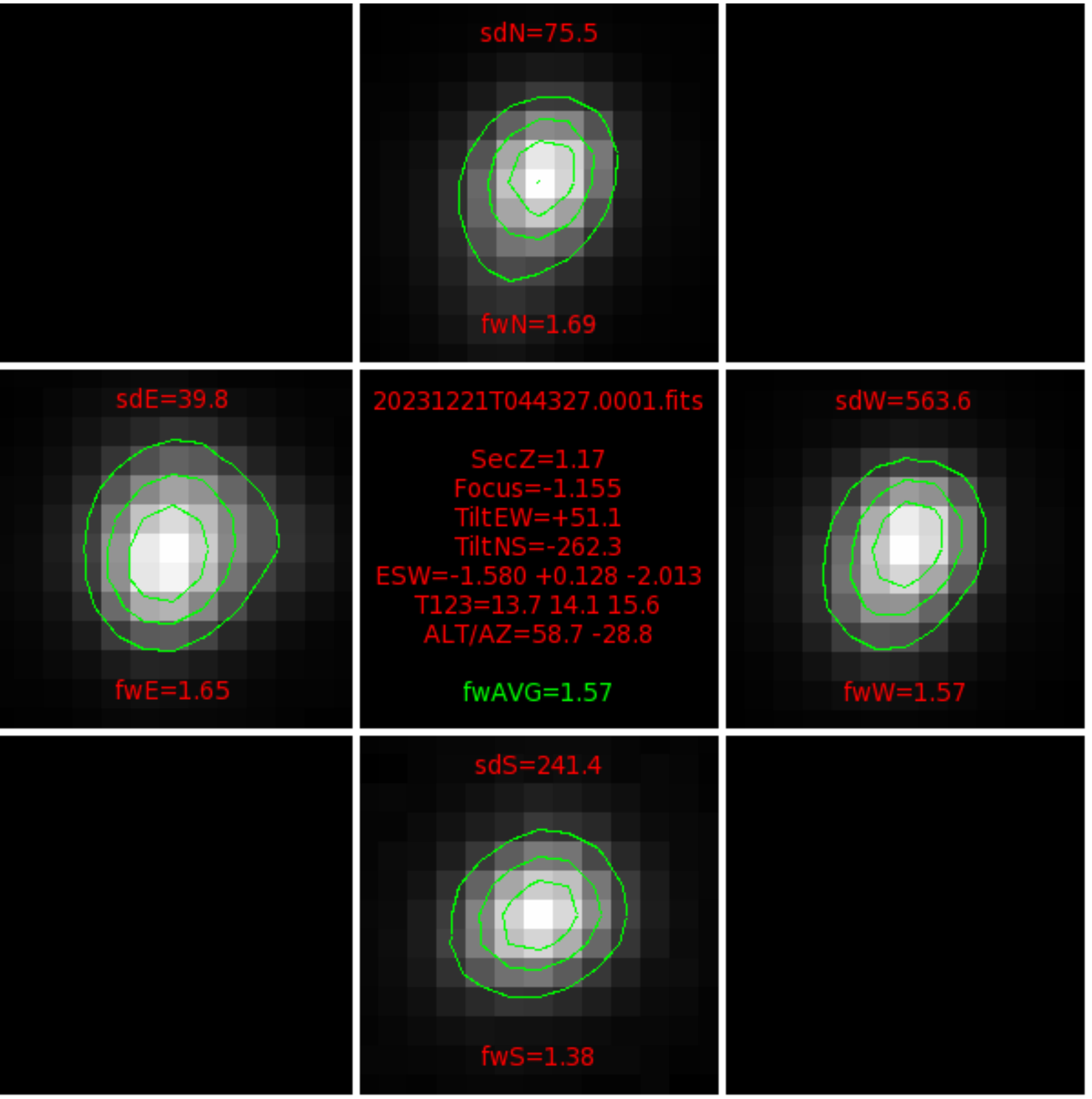
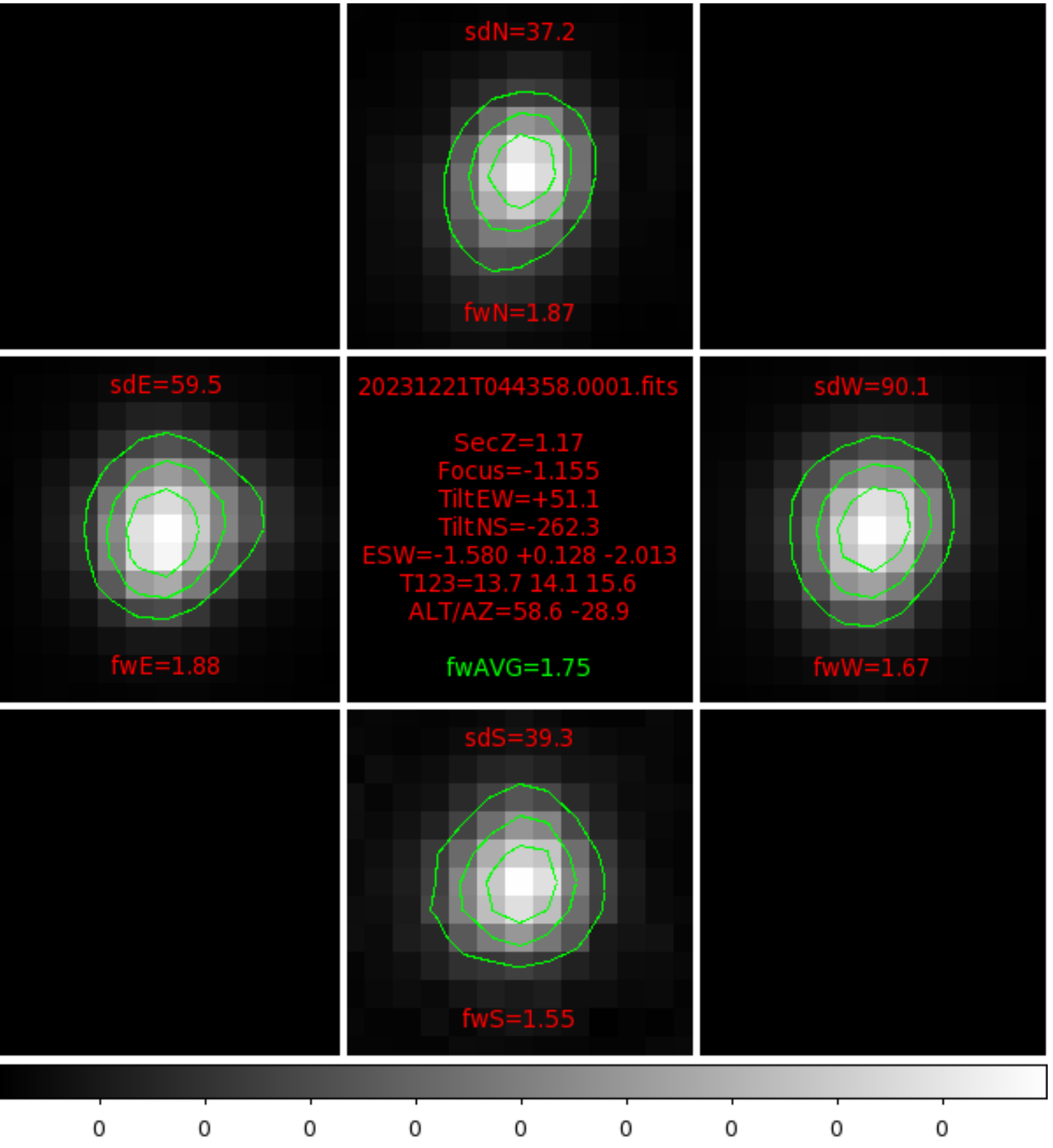
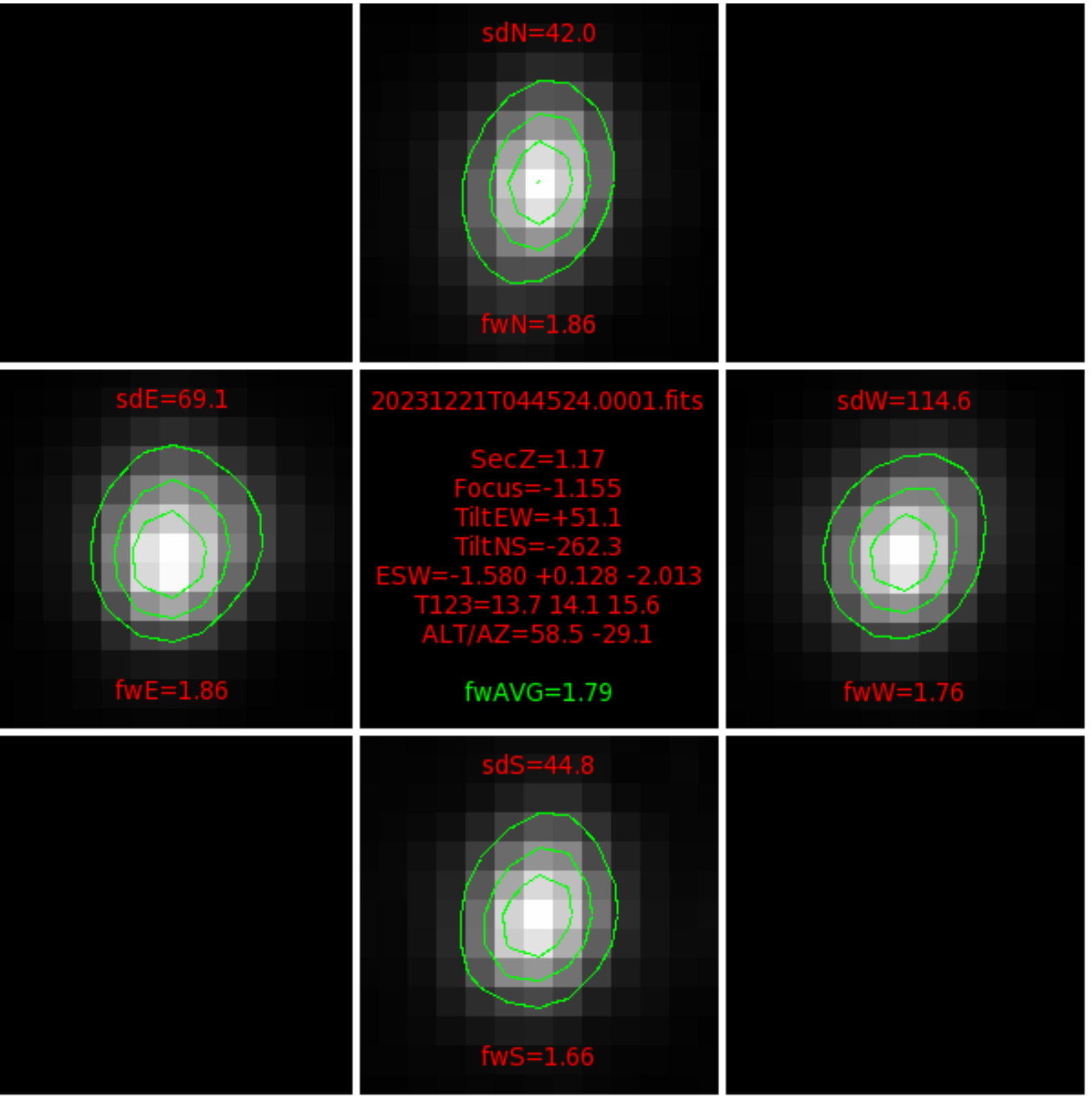
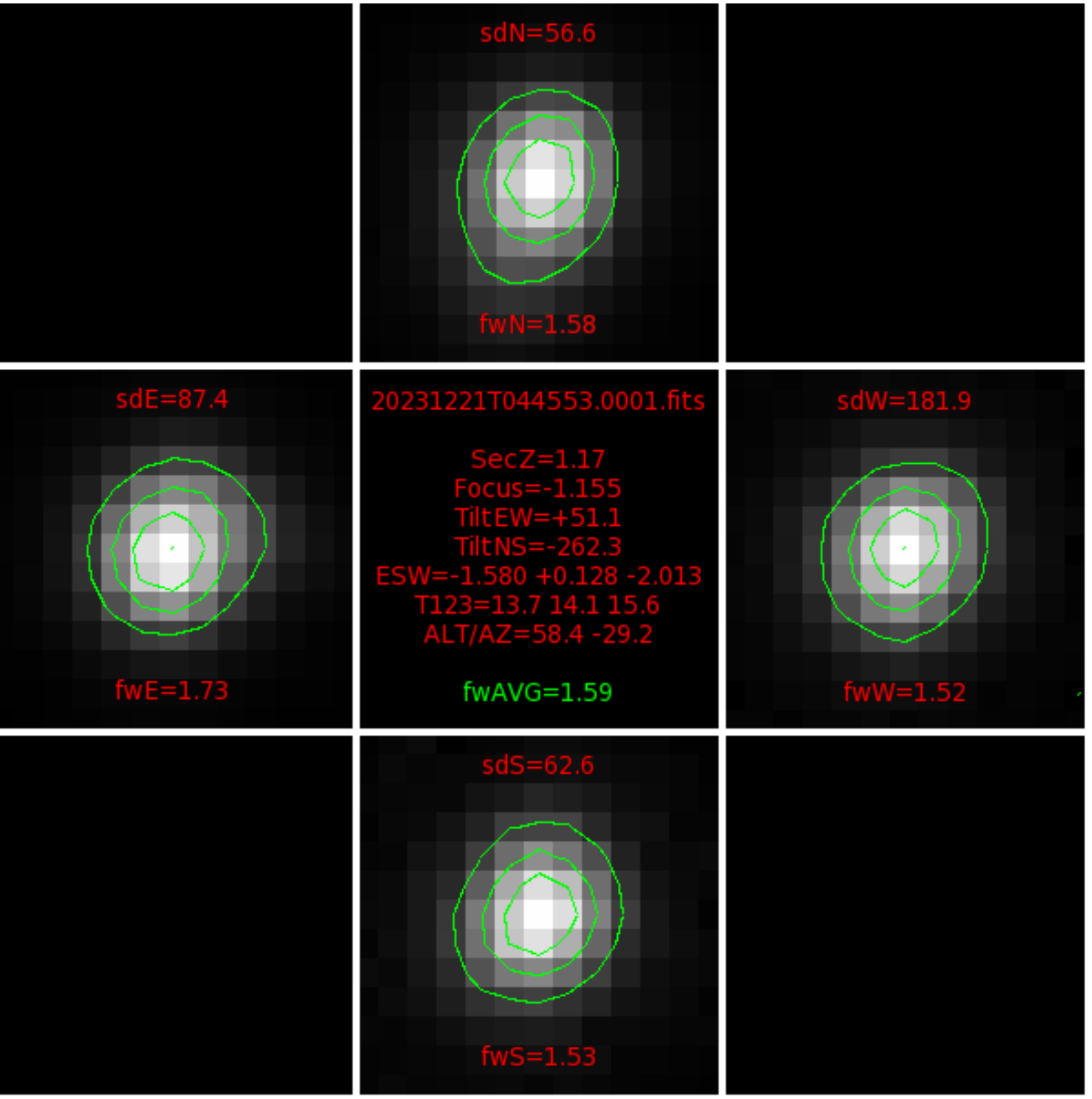
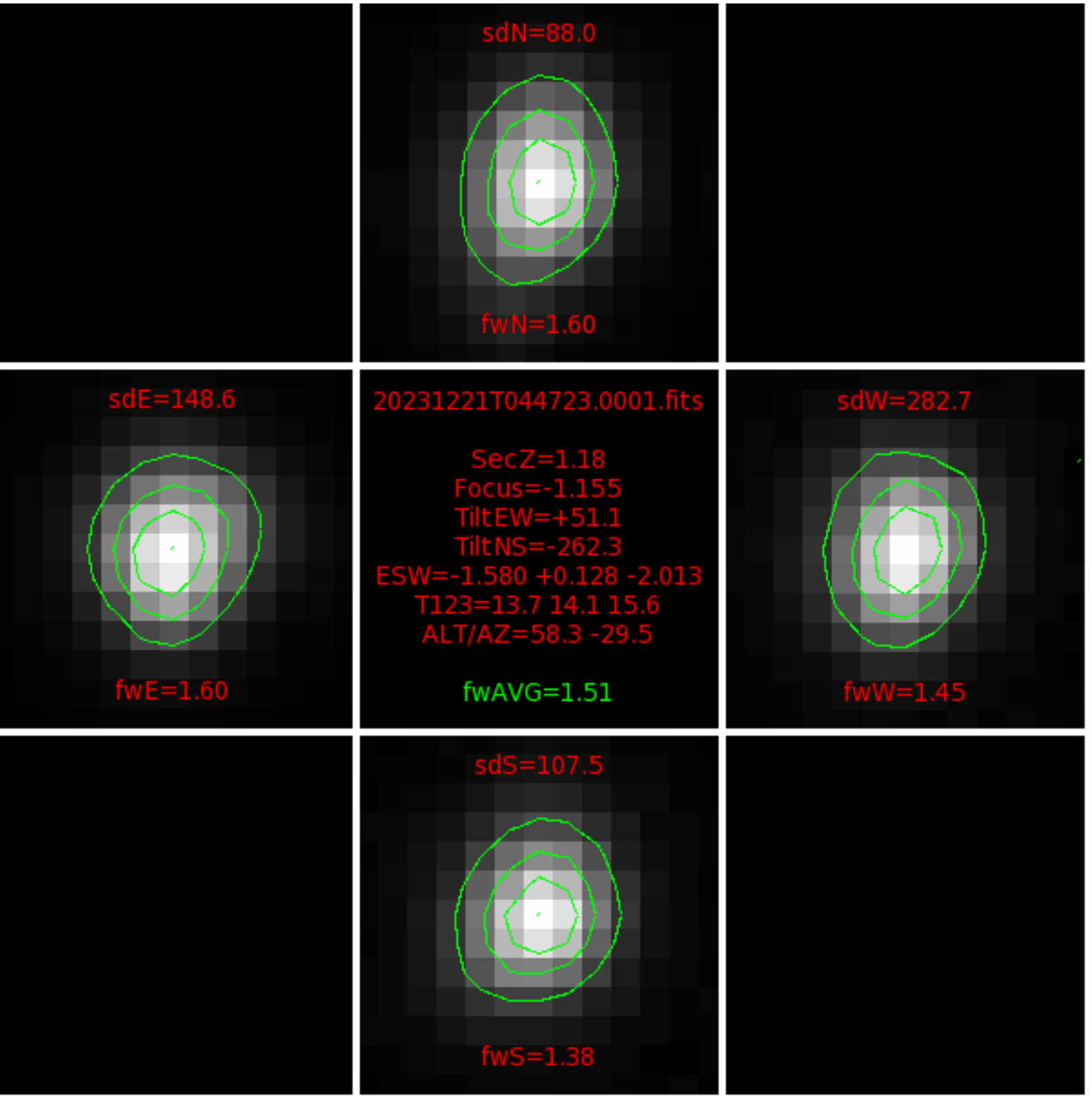

sdN=75.5
fwN=1.69
sdE=39.8
fwE=1.65
20231221T044327.0001.fits
SecZ=1.17
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=13.7 14.1 15.6
ALT/AZ=58.7 -28.8
fwAVG=1.57
sdW=563.6
fwW=1.57
sdS=241.4
fwS=1.38
0 0 0 0 0 0 0 0 0


sdN=37.2
fwN=1.87
sdE=59.5
fwE=1.88
20231221T044358.0001.fits
SecZ=1.17
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=13.7 14.1 15.6
ALT/AZ=58.6 -28.9
fwAVG=1.75
sdW=90.1
fwW=1.67
sdS=39.3
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=42.0
fwN=1.86
sdE=69.1
fwE=1.86
20231221T044524.0001.fits
SecZ=1.17
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=13.7 14.1 15.6
ALT/AZ=58.5 -29.1
fwAVG=1.79
sdW=114.6
fwW=1.76
sdS=44.8
fwS=1.66
0 0 0 0 0 0 0 0 0


sdN=56.6
fwN=1.58
sdE=87.4
fwE=1.73
20231221T044553.0001.fits
SecZ=1.17
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=13.7 14.1 15.6
ALT/AZ=58.4 -29.2
fwAVG=1.59
sdW=181.9
fwW=1.52
sdS=62.6
fwS=1.53
0 0 0 0 0 0 0 0 0


sdN=88.0
fwN=1.60
sdE=148.6
fwE=1.60
20231221T044723.0001.fits
SecZ=1.18
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=13.7 14.1 15.6
ALT/AZ=58.3 -29.5
fwAVG=1.51
sdW=282.7
fwW=1.45
sdS=107.5
fwS=1.38
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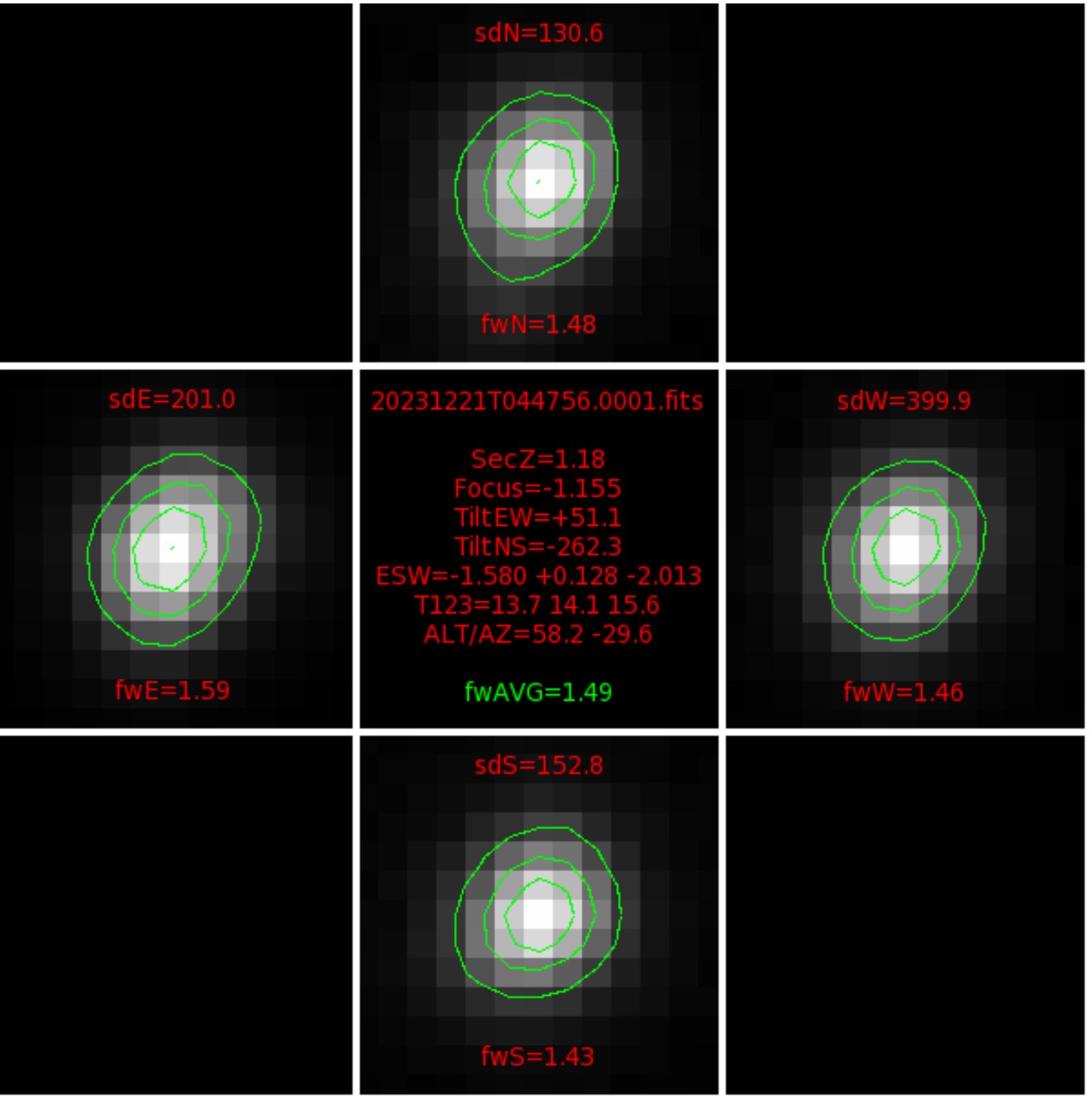
sdN=130.6
fwN=1.48
sdE=201.0
fwE=1.59
20231221T044756.0001.fits
SecZ=1.18
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=13.7 14.1 15.6
ALT/AZ=58.2 -29.6
fwAVG=1.49
sdW=399.9
fwW=1.46
sdS=152.8
fwS=1.43
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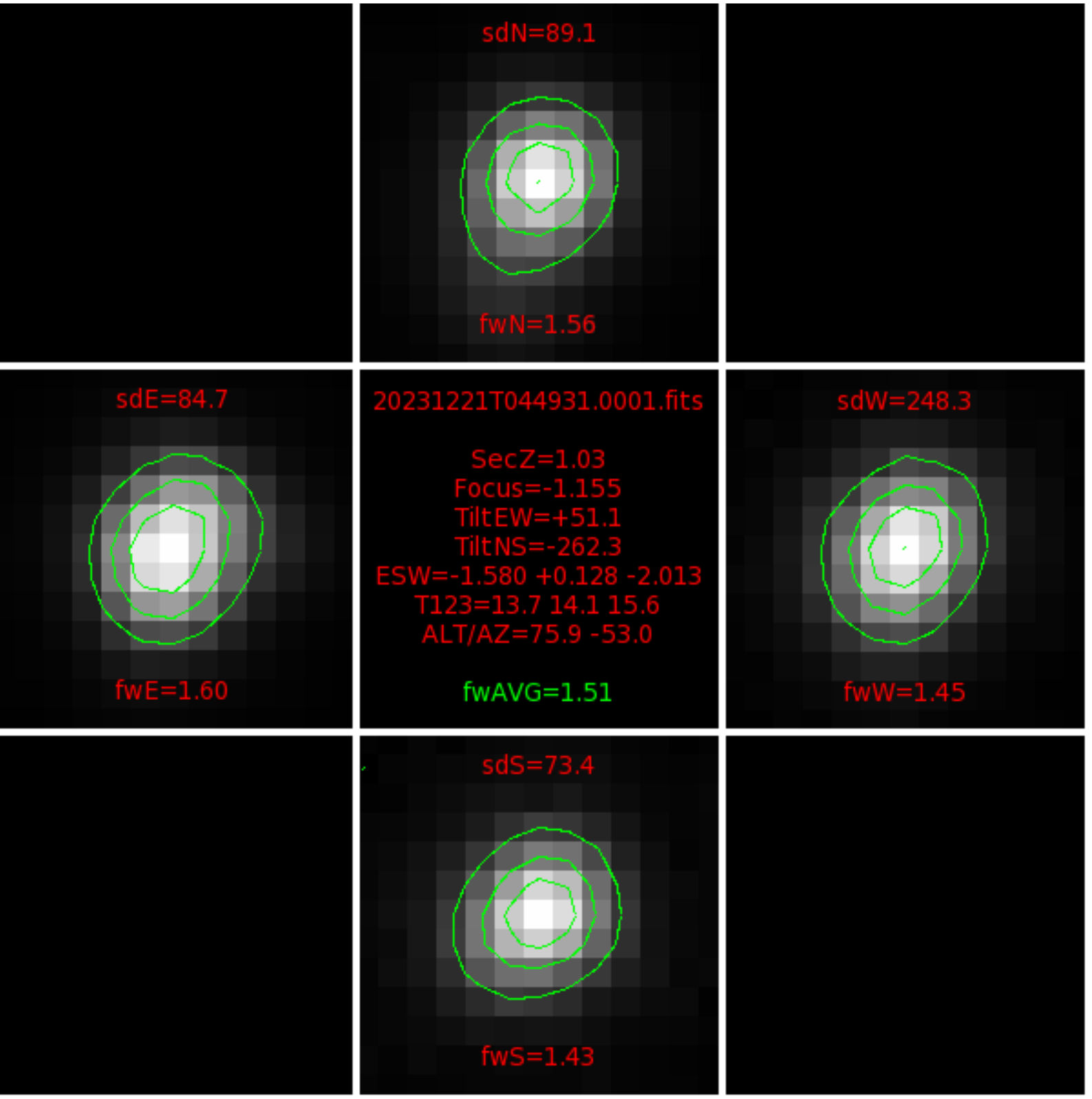
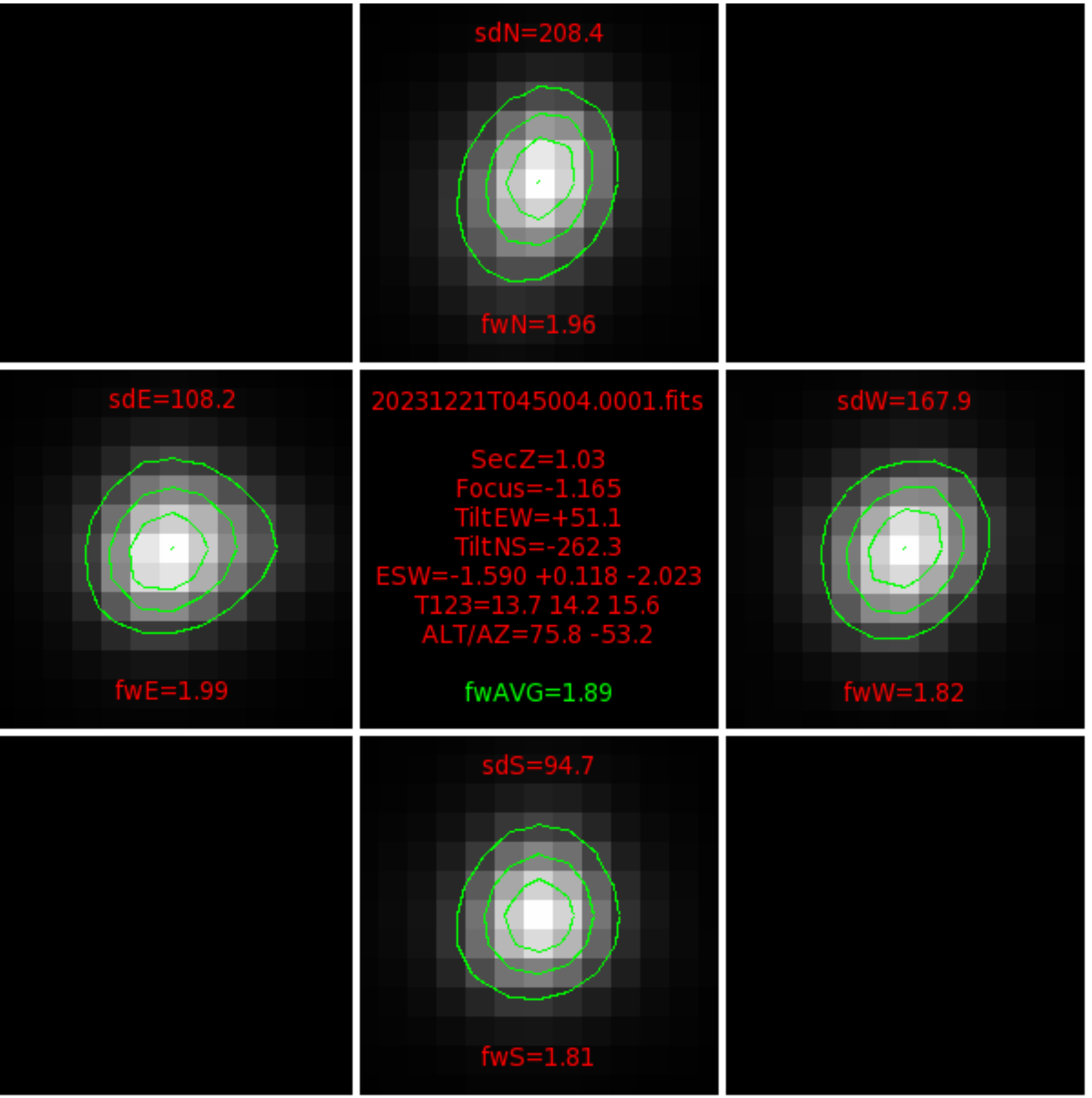

sdN=89.1
fwN=1.56
sdE=84.7
fwE=1.60
20231221T044931.0001.fits
SecZ=1.03
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=13.7 14.1 15.6
ALT/AZ=75.9 -53.0
fwAVG=1.51
sdW=248.3
fwW=1.45
sdS=73.4
fwS=1.43
0 0 0 0 0 0 0 0 0


sdN=208.4
fwN=1.96
sdE=108.2
fwE=1.99
20231221T045004.0001.fits
SecZ=1.03
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.7 14.2 15.6
ALT/AZ=75.8 -53.2
fwAVG=1.89
sdW=167.9
fwW=1.82
sdS=94.7
fwS=1.81
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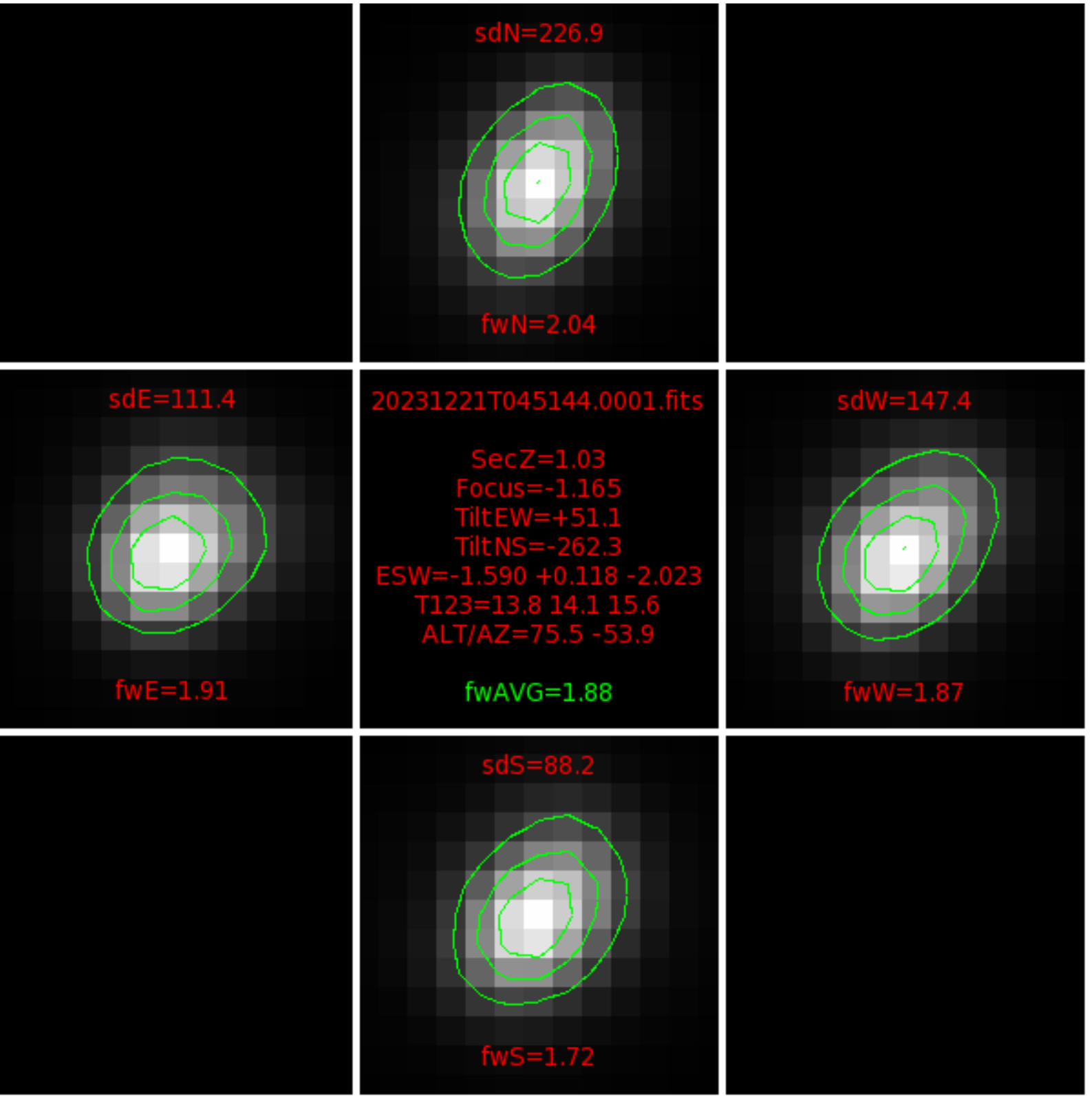
sdN=226.9
fwN=2.04
sdE=111.4
fwE=1.91
20231221T045144.0001.fits
SecZ=1.03
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.1 15.6
ALT/AZ=75.5 -53.9
fwAVG=1.88
sdW=147.4
fwW=1.87
sdS=88.2
fwS=1.72
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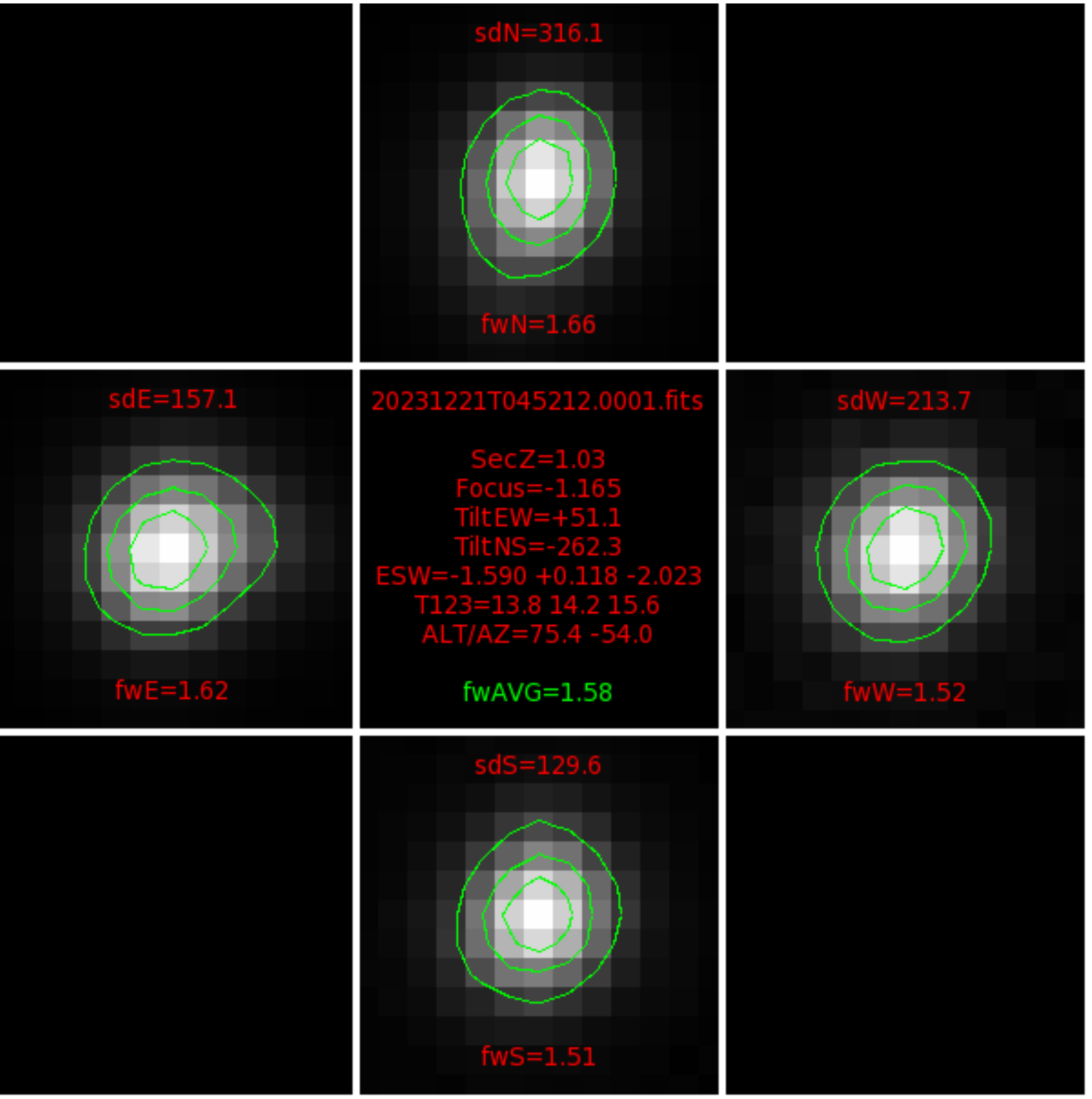
sdN=316.1
fwN=1.66
sdE=157.1
fwE=1.62
20231221T045212.0001.fits
SecZ=1.03
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.2 15.6
ALT/AZ=75.4 -54.0
fwAVG=1.58
sdW=213.7
fwW=1.52
sdS=129.6
fwS=1.51
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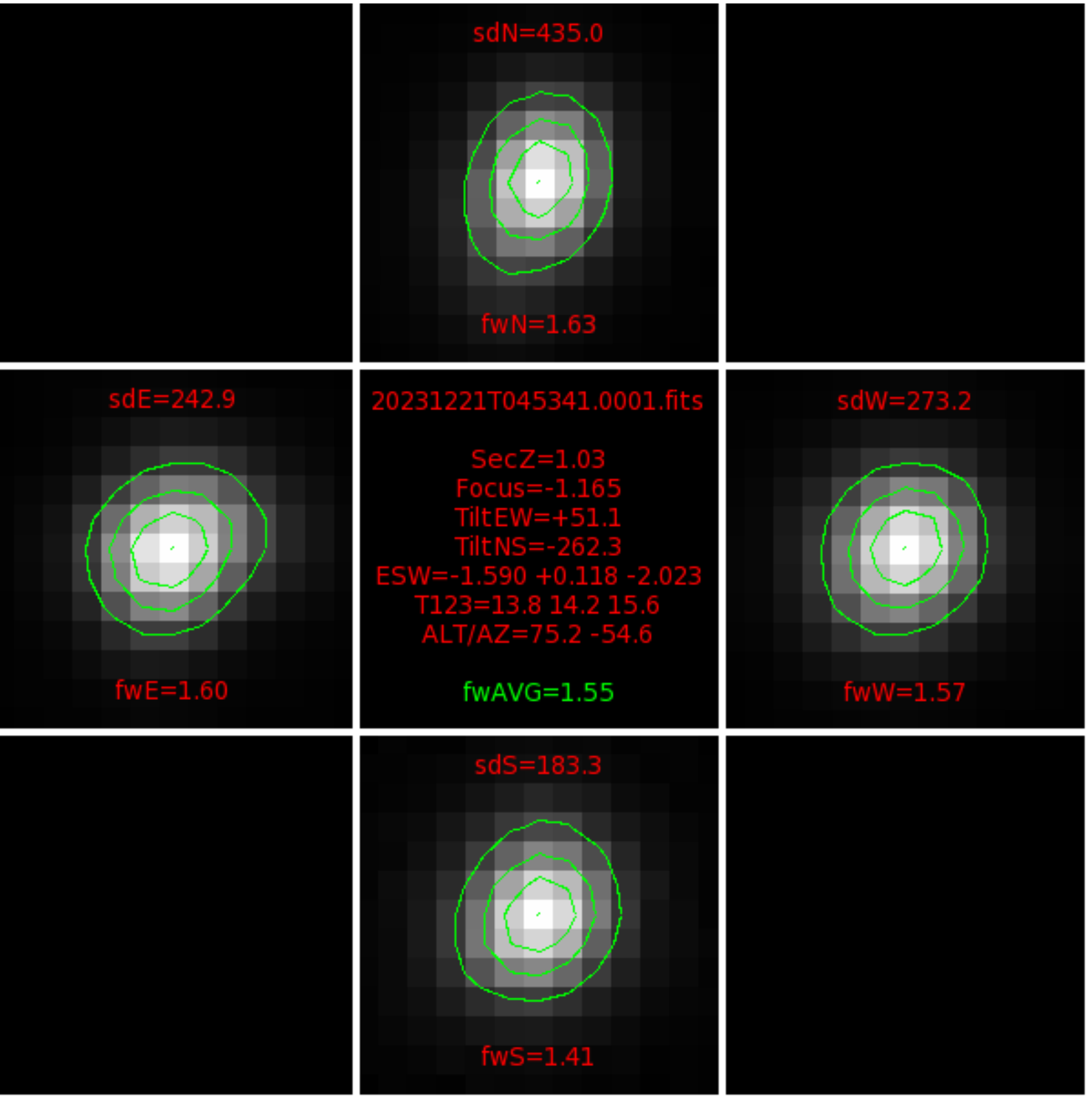
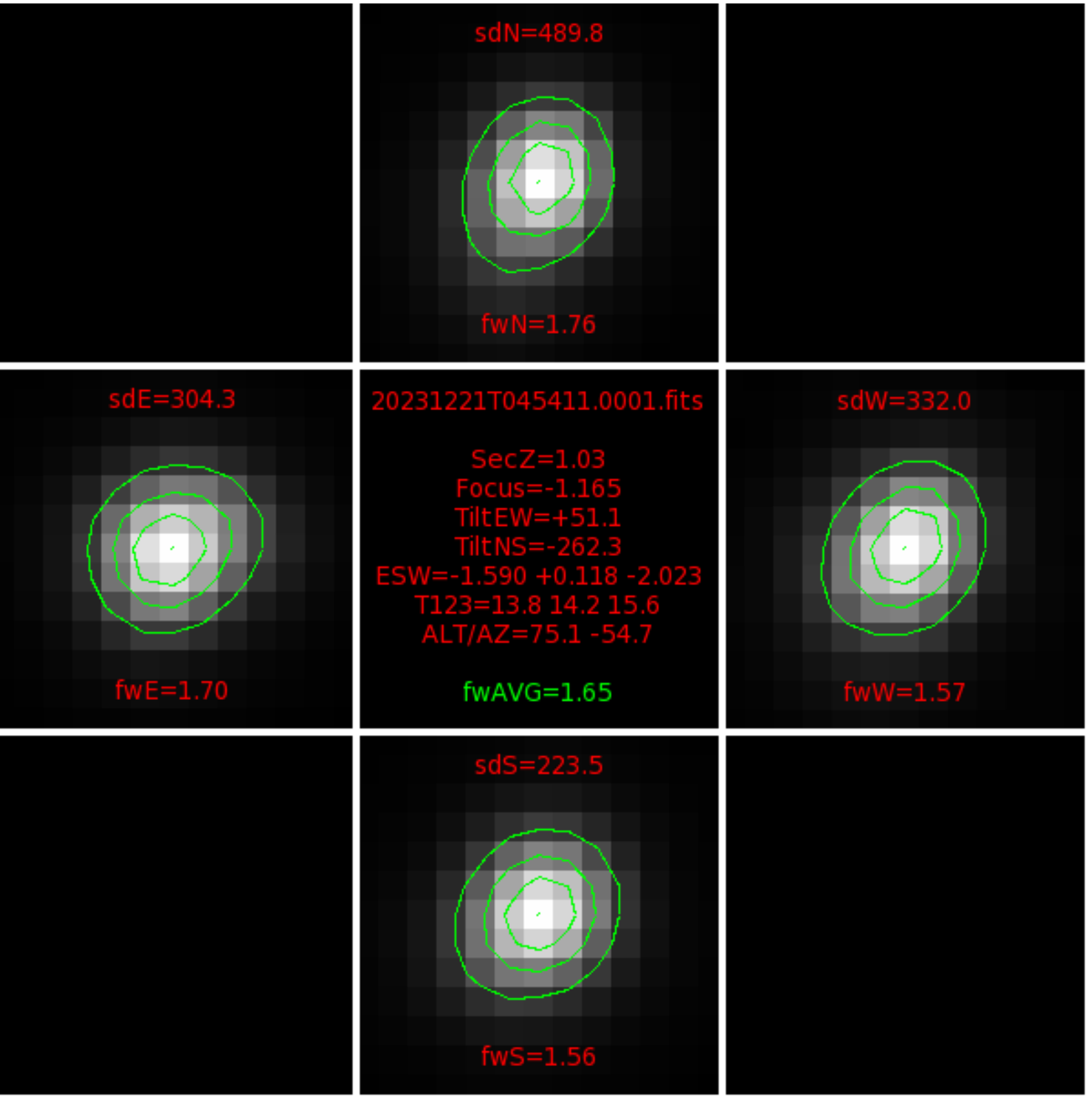

sdN=435.0
fwN=1.63
sdE=242.9
fwE=1.60
20231221T045341.0001.fits
SecZ=1.03
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.2 15.6
ALT/AZ=75.2 -54.6
fwAVG=1.55
sdW=273.2
fwW=1.57
sdS=183.3
fwS=1.41
0 0 0 0 0 0 0 0 0


sdN=489.8
fwN=1.76
sdE=304.3
fwE=1.70
20231221T045411.0001.fits
SecZ=1.03
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.2 15.6
ALT/AZ=75.1 -54.7
fwAVG=1.65
sdW=332.0
fwW=1.57
sdS=223.5
fwS=1.56
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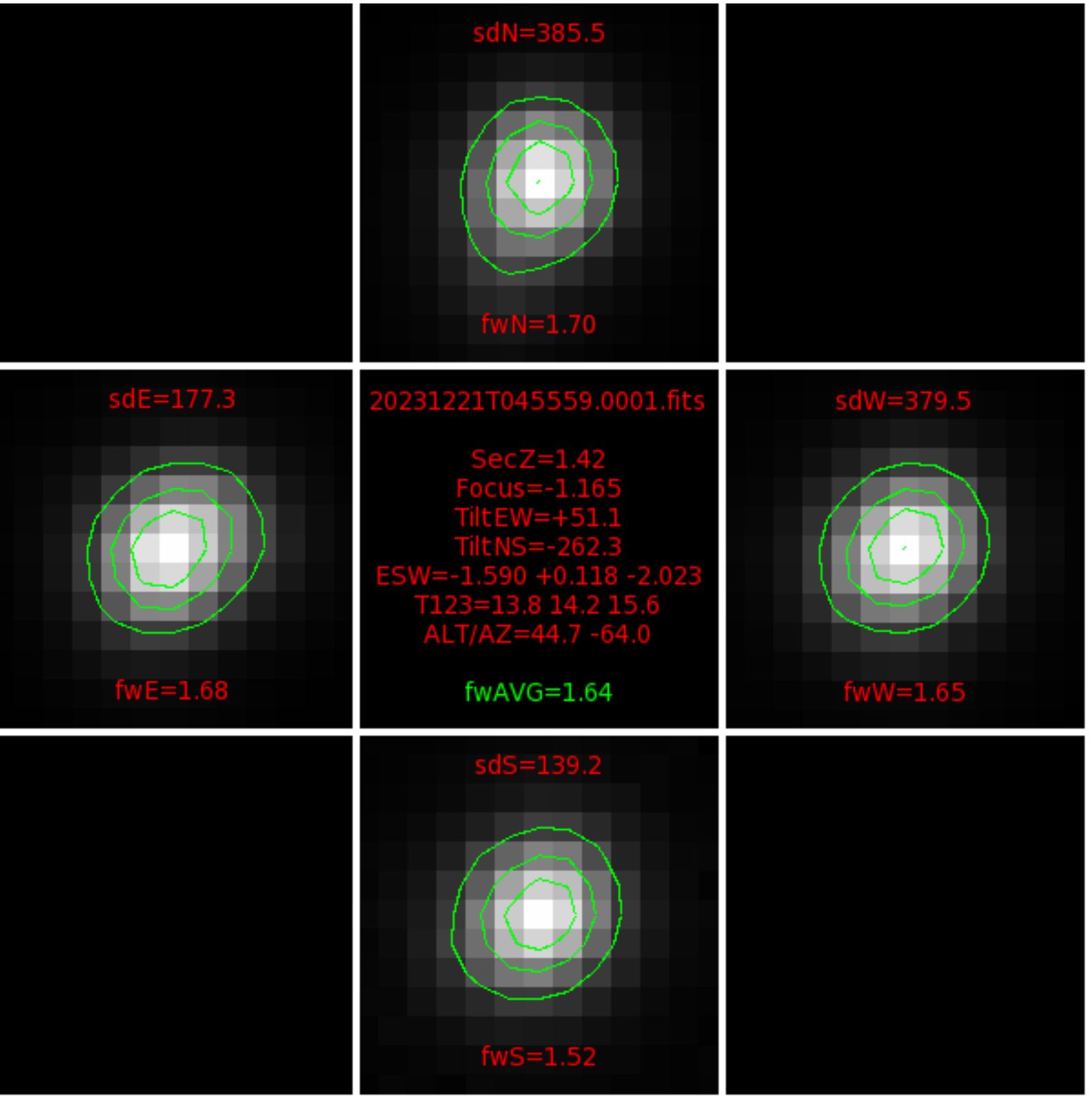
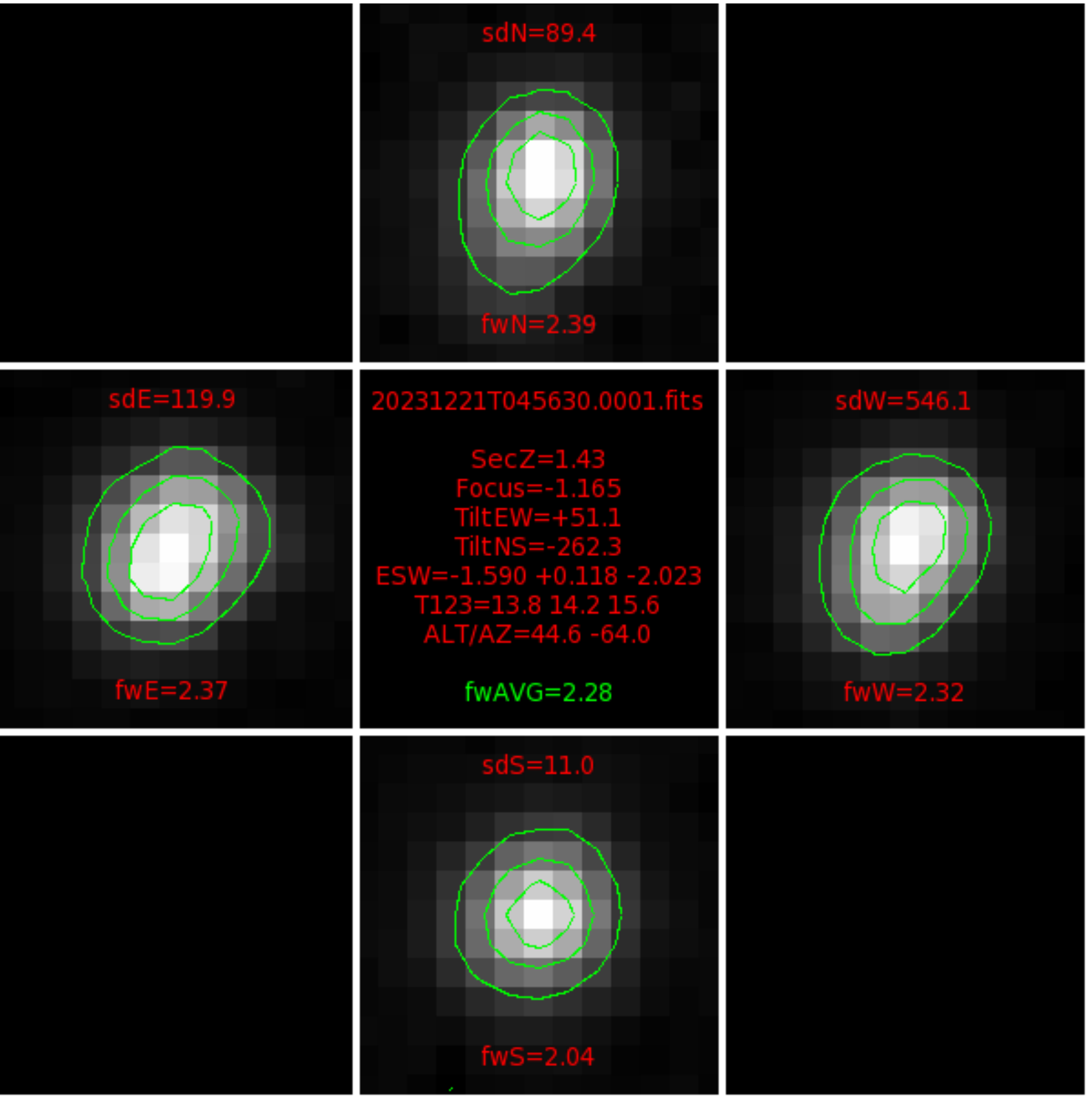

sdN=385.5
fwN=1.70
sdE=177.3
fwE=1.68
20231221T045559.0001.fits
SecZ=1.42
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.2 15.6
ALT/AZ=44.7 -64.0
fwAVG=1.64
sdW=379.5
fwW=1.65
sdS=139.2
fwS=1.52
0 0 0 0 0 0 0 0 0


sdN=89.4
fwN=2.39
sdE=119.9
fwE=2.37
20231221T045630.0001.fits
SecZ=1.43
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.2 15.6
ALT/AZ=44.6 -64.0
fwAVG=2.28
sdW=546.1
fwW=2.32
sdS=11.0
fwS=2.04
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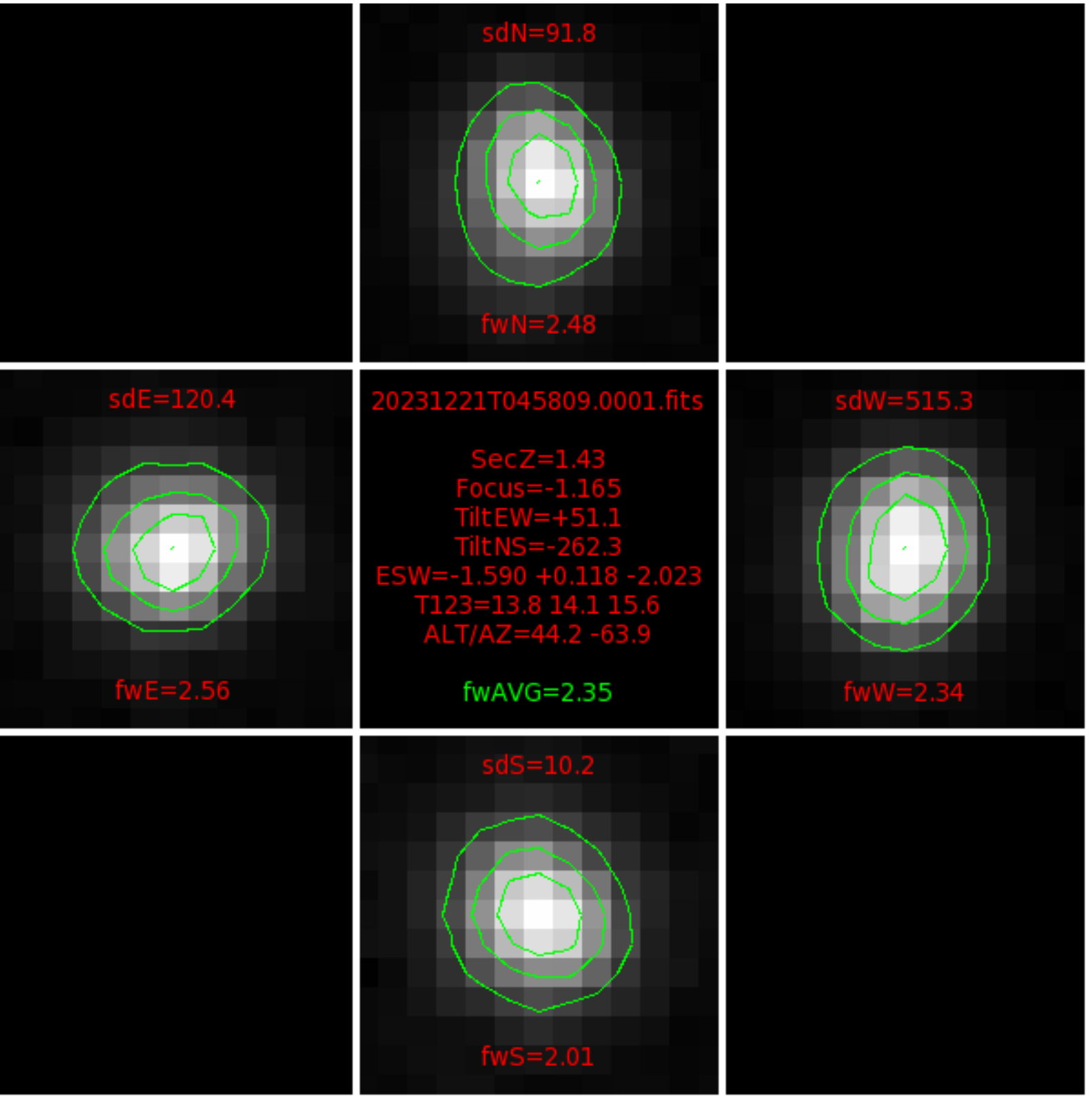
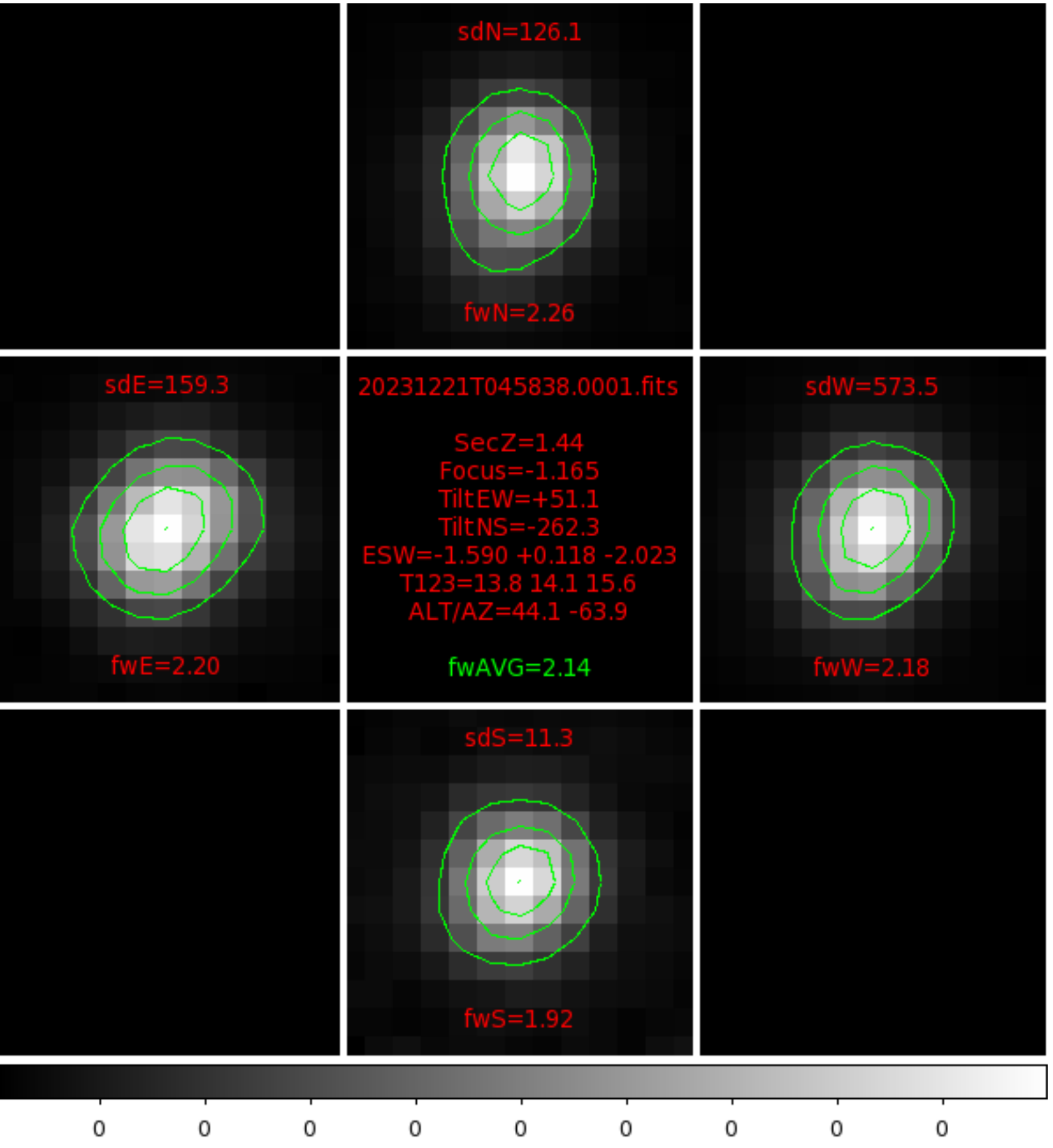

sdN=91.8
fwN=2.48
sdE=120.4
fwE=2.56
20231221T045809.0001.fits
SecZ=1.43
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.1 15.6
ALT/AZ=44.2 -63.9
fwAVG=2.35
sdW=515.3
fwW=2.34
sdS=10.2
fwS=2.01
0 0 0 0 0 0 0 0 0


sdN=126.1
fwN=2.26
sdE=159.3
fwE=2.20
20231221T045838.0001.fits
SecZ=1.44
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.1 15.6
ALT/AZ=44.1 -63.9
fwAVG=2.14
sdW=573.5
fwW=2.18
sdS=11.3
fwS=1.92
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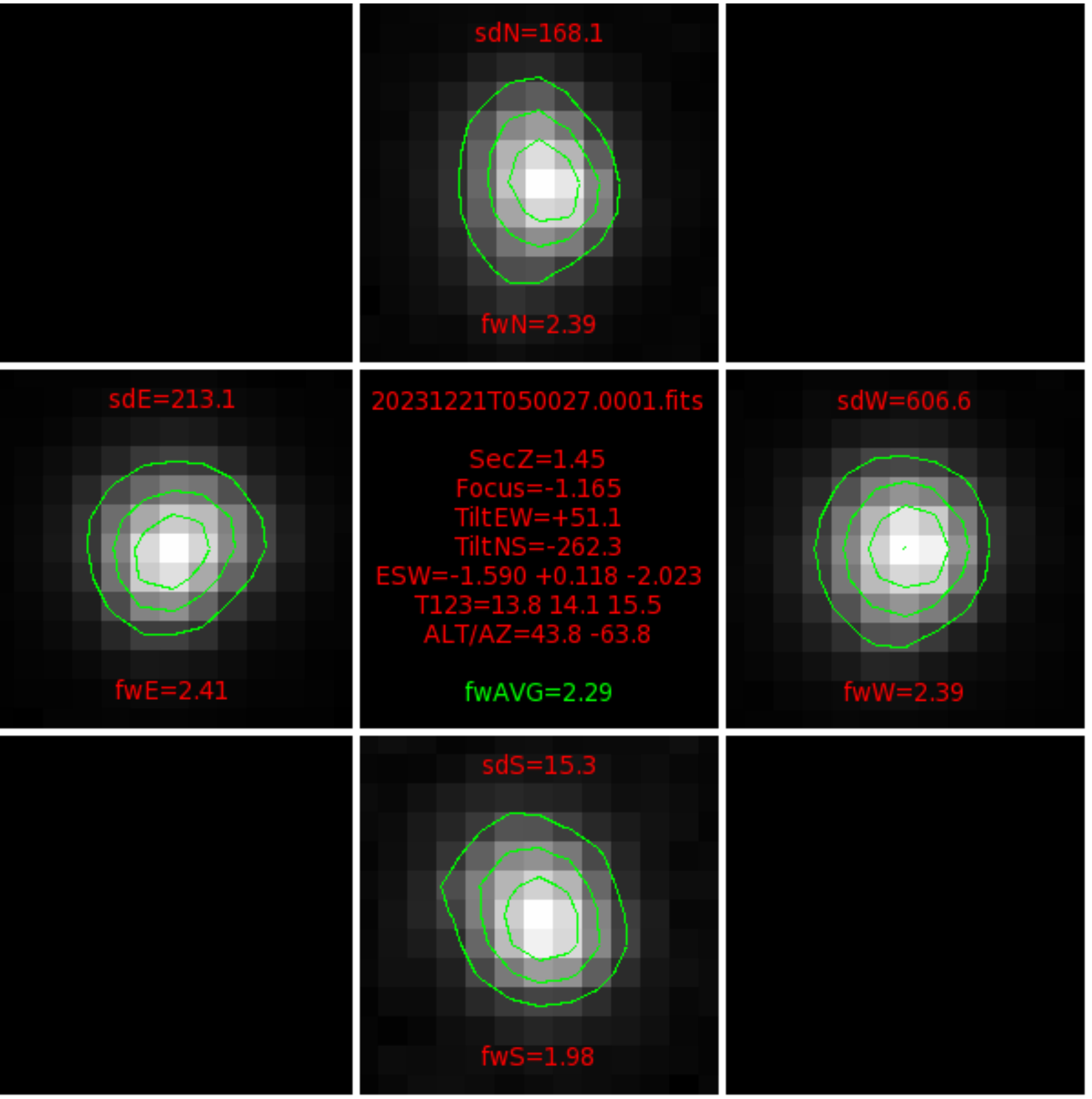
sdN=168.1
fwN=2.39
sdE=213.1
fwE=2.41
20231221T050027.0001.fits
SecZ=1.45
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.1 15.5
ALT/AZ=43.8 -63.8
fwAVG=2.29
sdW=606.6
fwW=2.39
sdS=15.3
fwS=1.98
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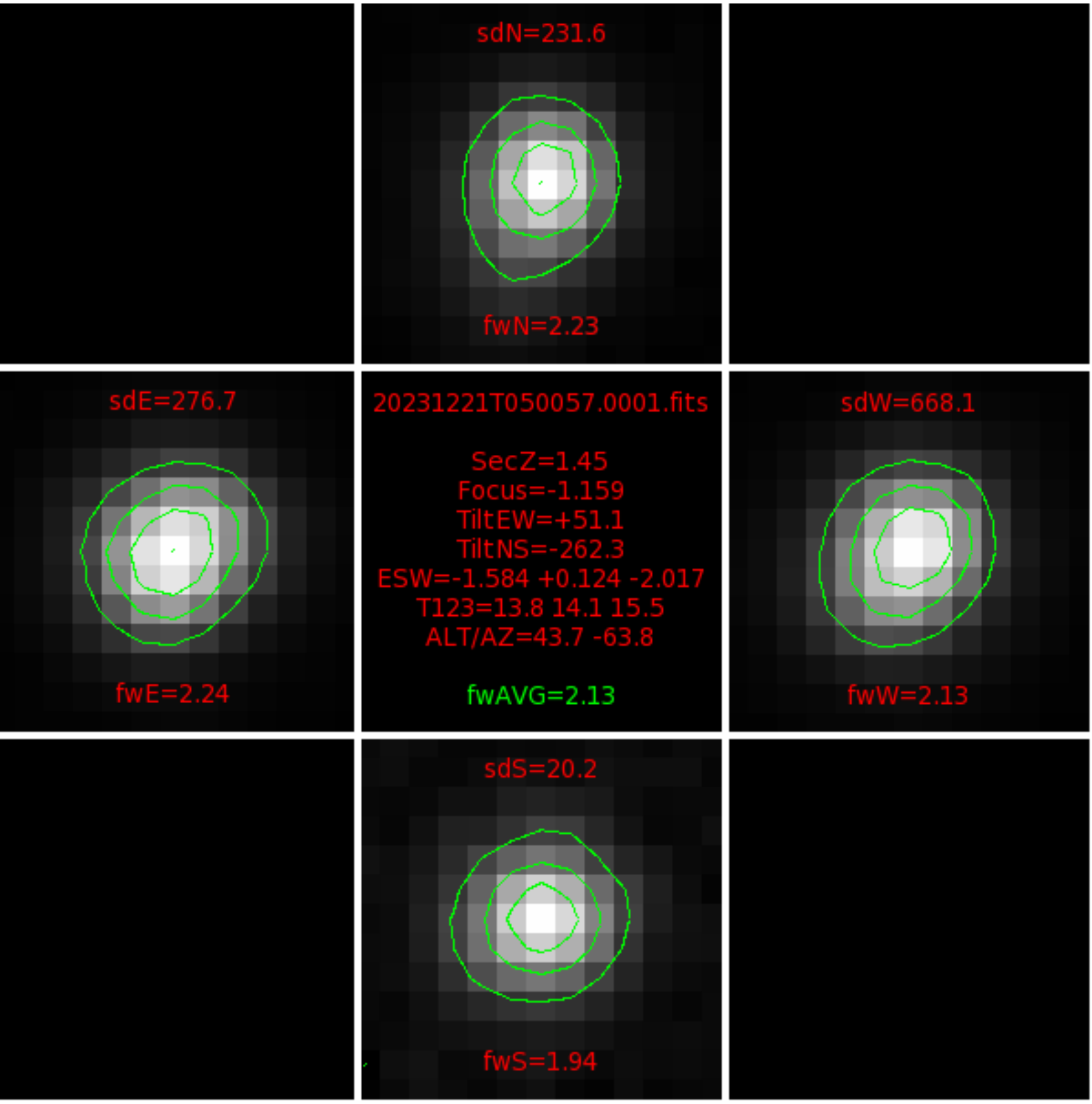
sdN=231.6
fwN=2.23
sdE=276.7
fwE=2.24
20231221T050057.0001.fits
SecZ=1.45
Focus=-1.159
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.584 +0.124 -2.017
T123=13.8 14.1 15.5
ALT/AZ=43.7 -63.8
fwAVG=2.13
sdW=668.1
fwW=2.13
sdS=20.2
fwS=1.94
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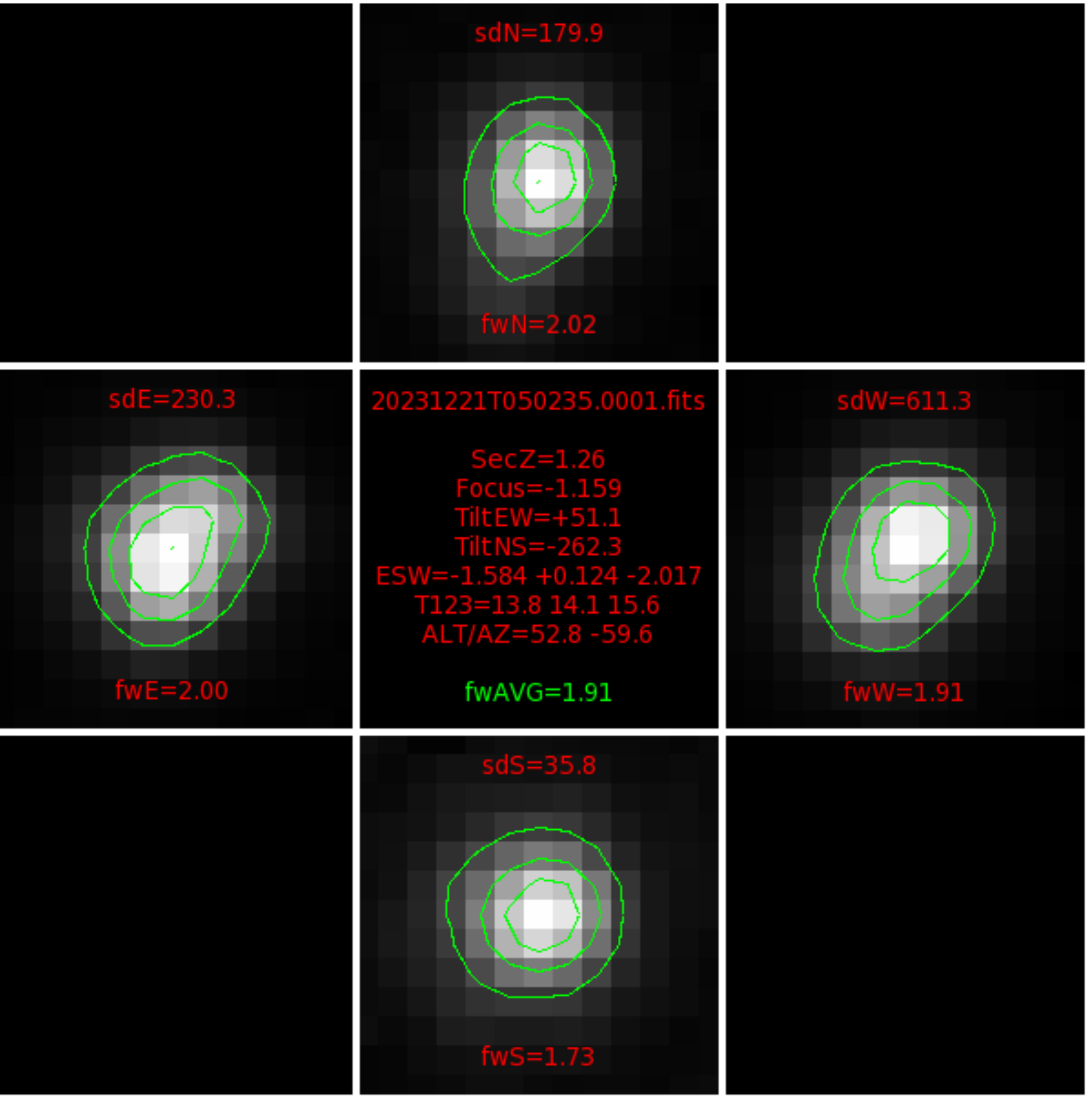
sdN=179.9
fwN=2.02
sdE=230.3
fwE=2.00
20231221T050235.0001.fits
SecZ=1.26
Focus=-1.159
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.584 +0.124 -2.017
T123=13.8 14.1 15.6
ALT/AZ=52.8 -59.6
fwAVG=1.91
sdW=611.3
fwW=1.91
sdS=35.8
fwS=1.73
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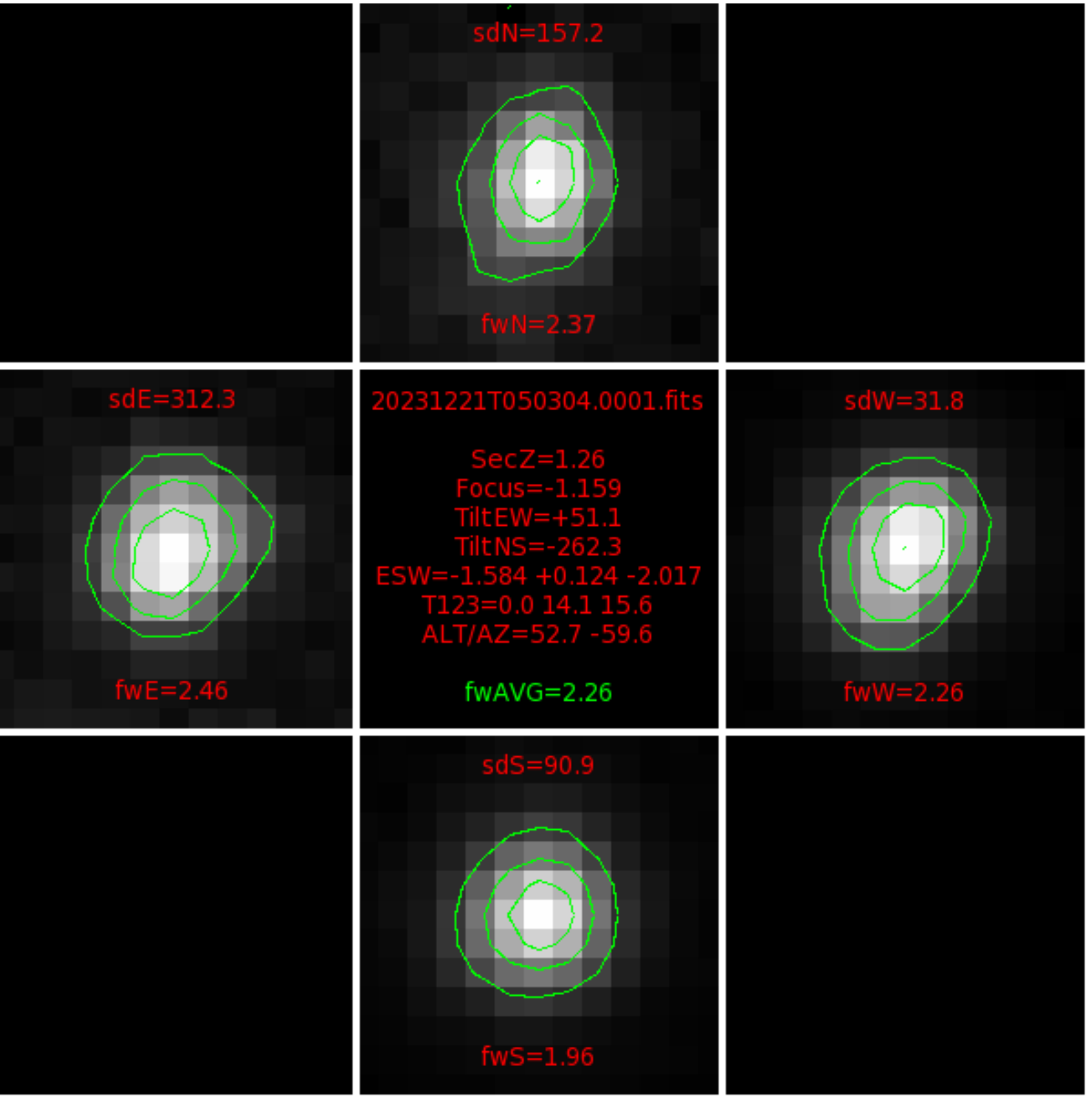
sdN=157.2
fwN=2.37
sdE=312.3
fwE=2.46
20231221T050304.0001.fits
SecZ=1.26
Focus=-1.159
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.584 +0.124 -2.017
T123=0.0 14.1 15.6
ALT/AZ=52.7 -59.6
fwAVG=2.26
sdW=31.8
fwW=2.26
sdS=90.9
fwS=1.96
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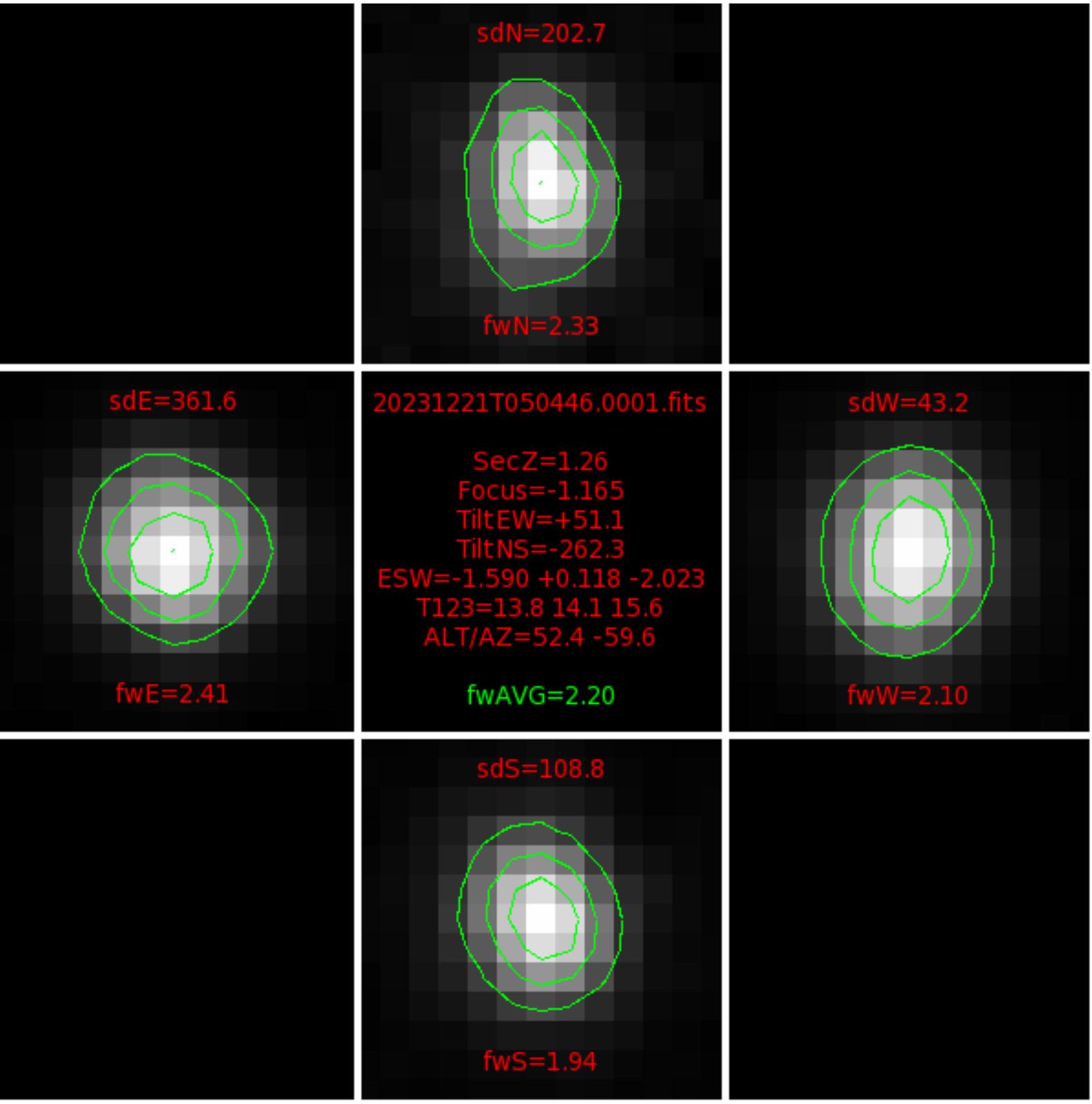
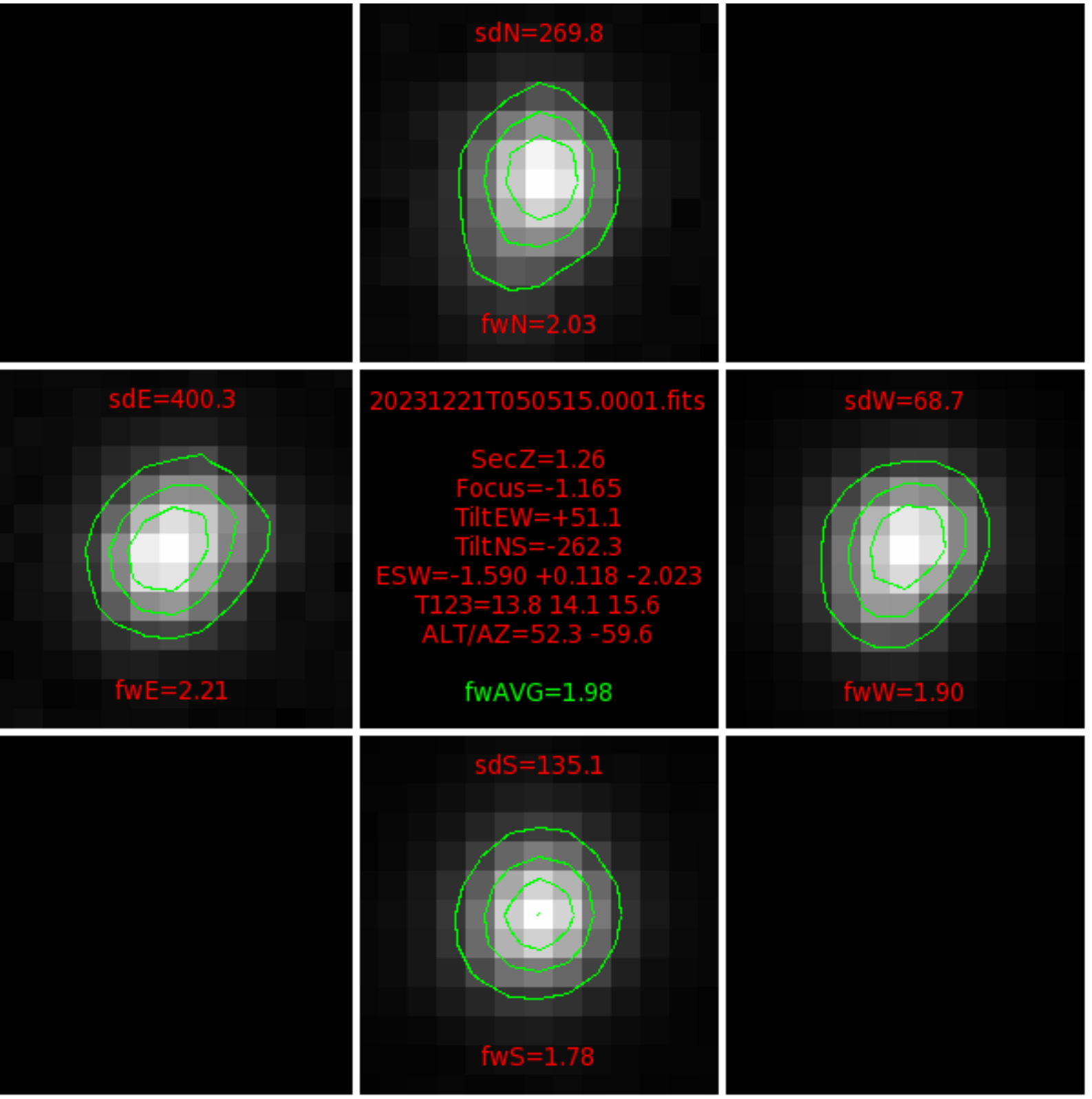
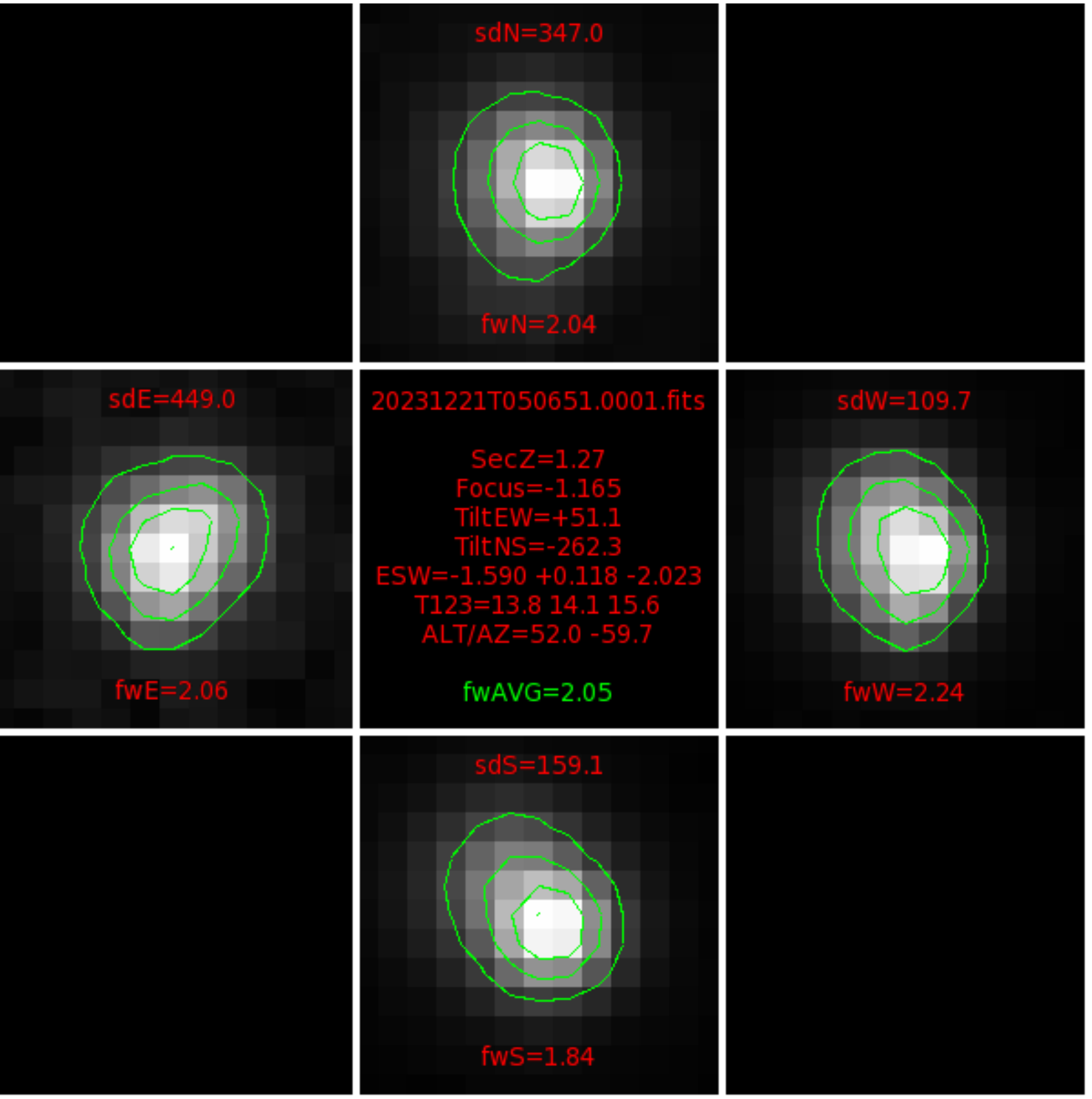
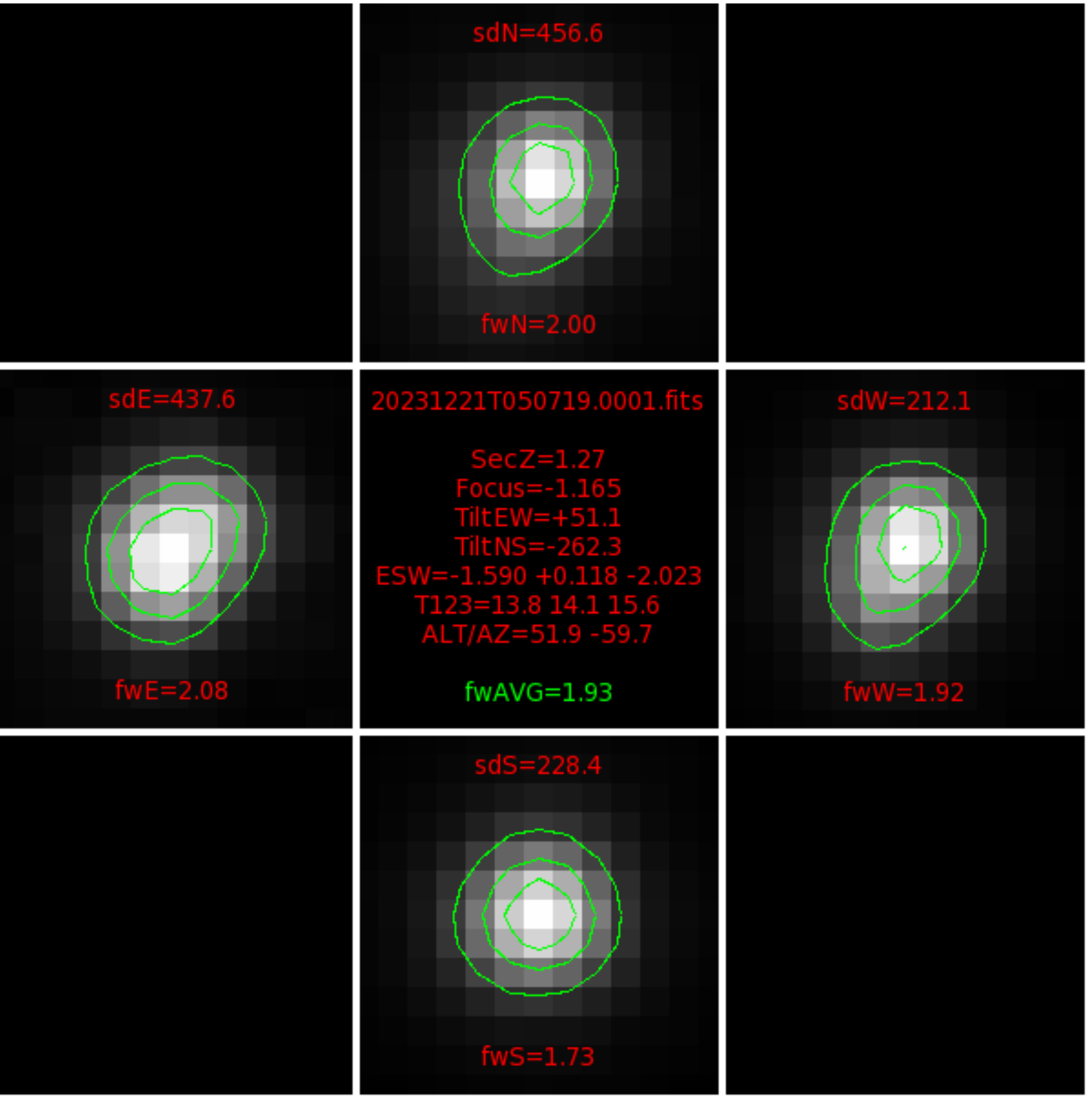
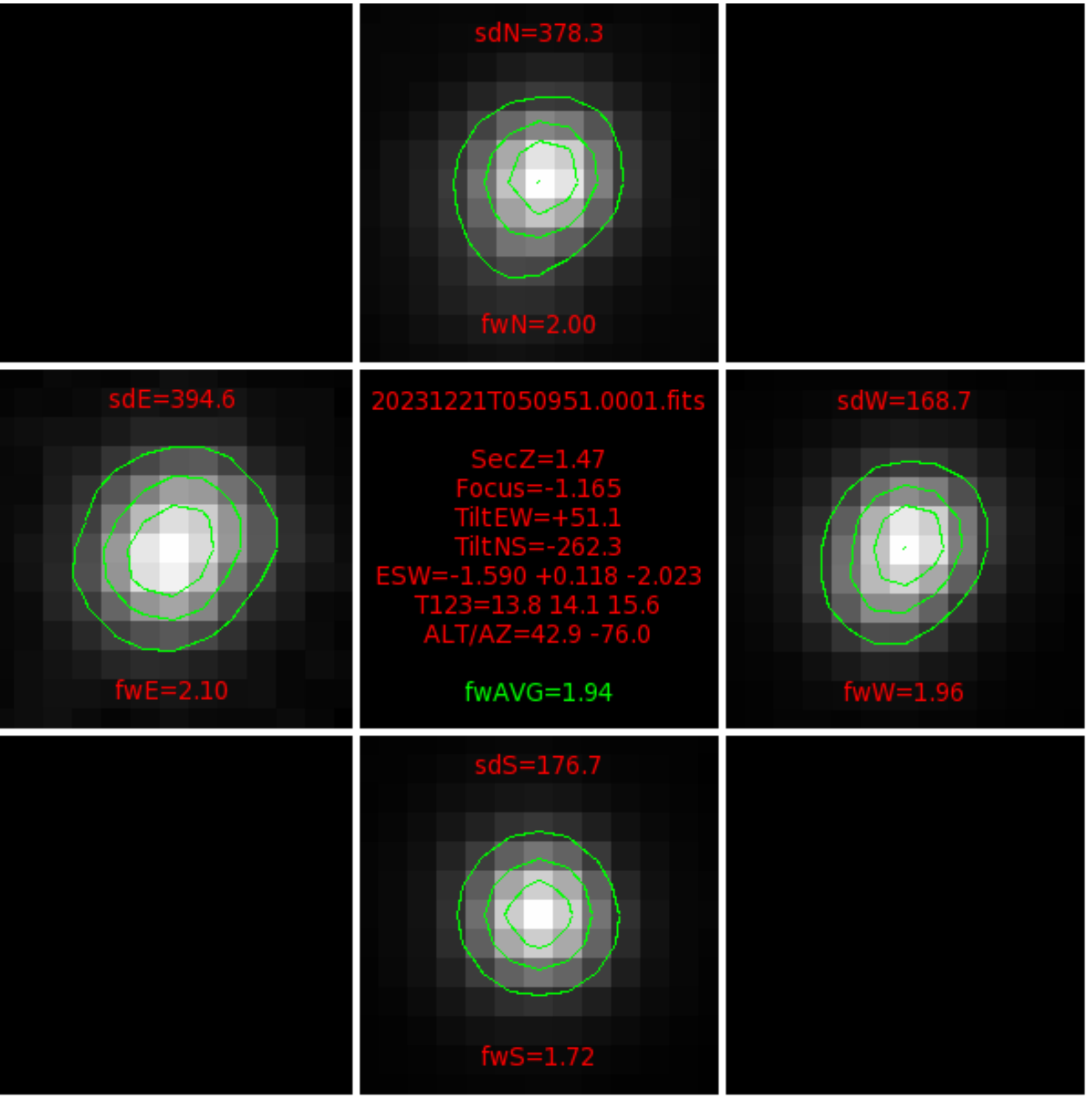
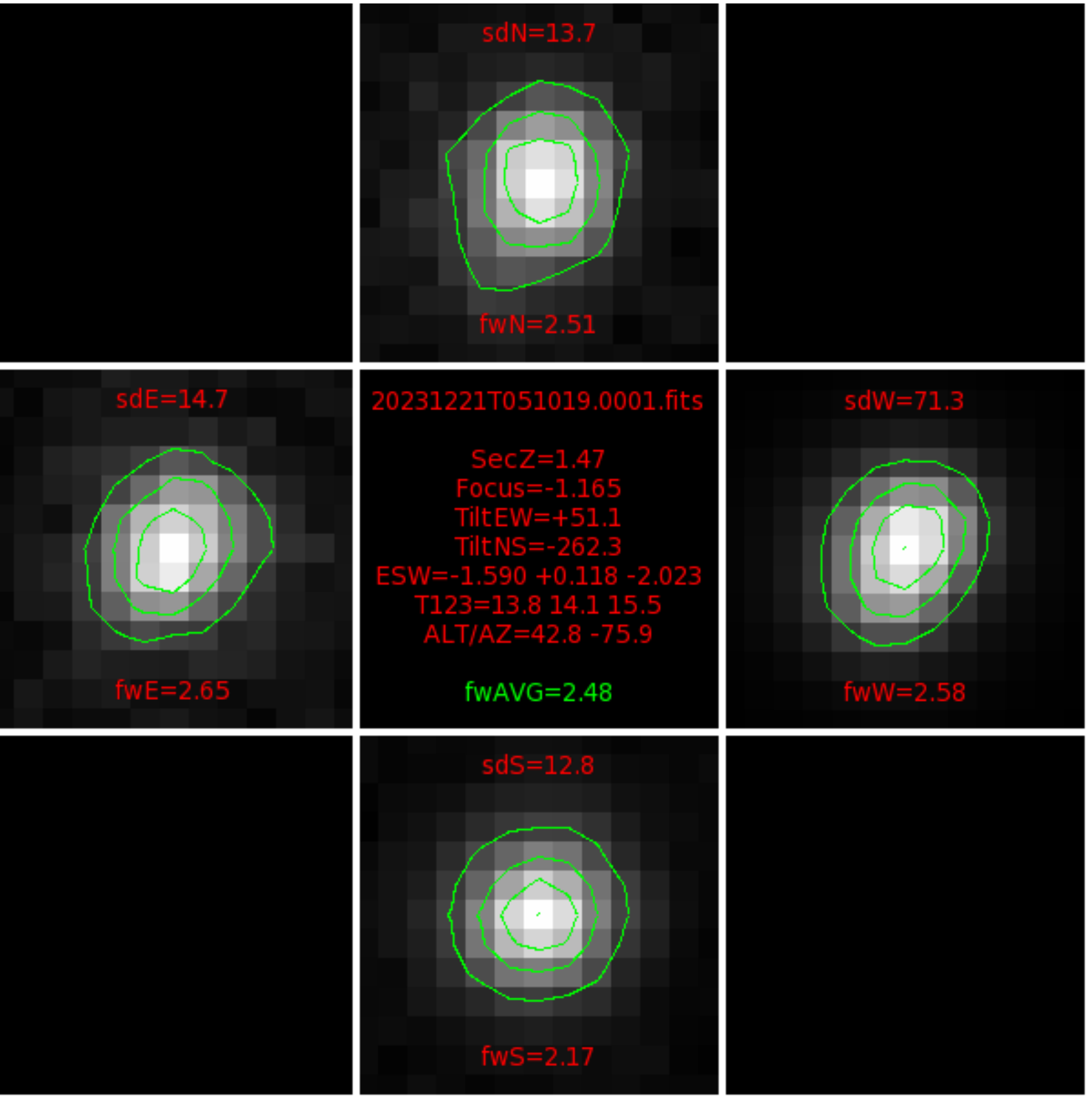

sdN=202.7
fwN=2.33
sdE=361.6
fwE=2.41
20231221T050446.0001.fits
SecZ=1.26
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.1 15.6
ALT/AZ=52.4 -59.6
fwAVG=2.20
sdW=43.2
fwW=2.10
sdS=108.8
fwS=1.94
0 0 0 0 0 0 0 0 0

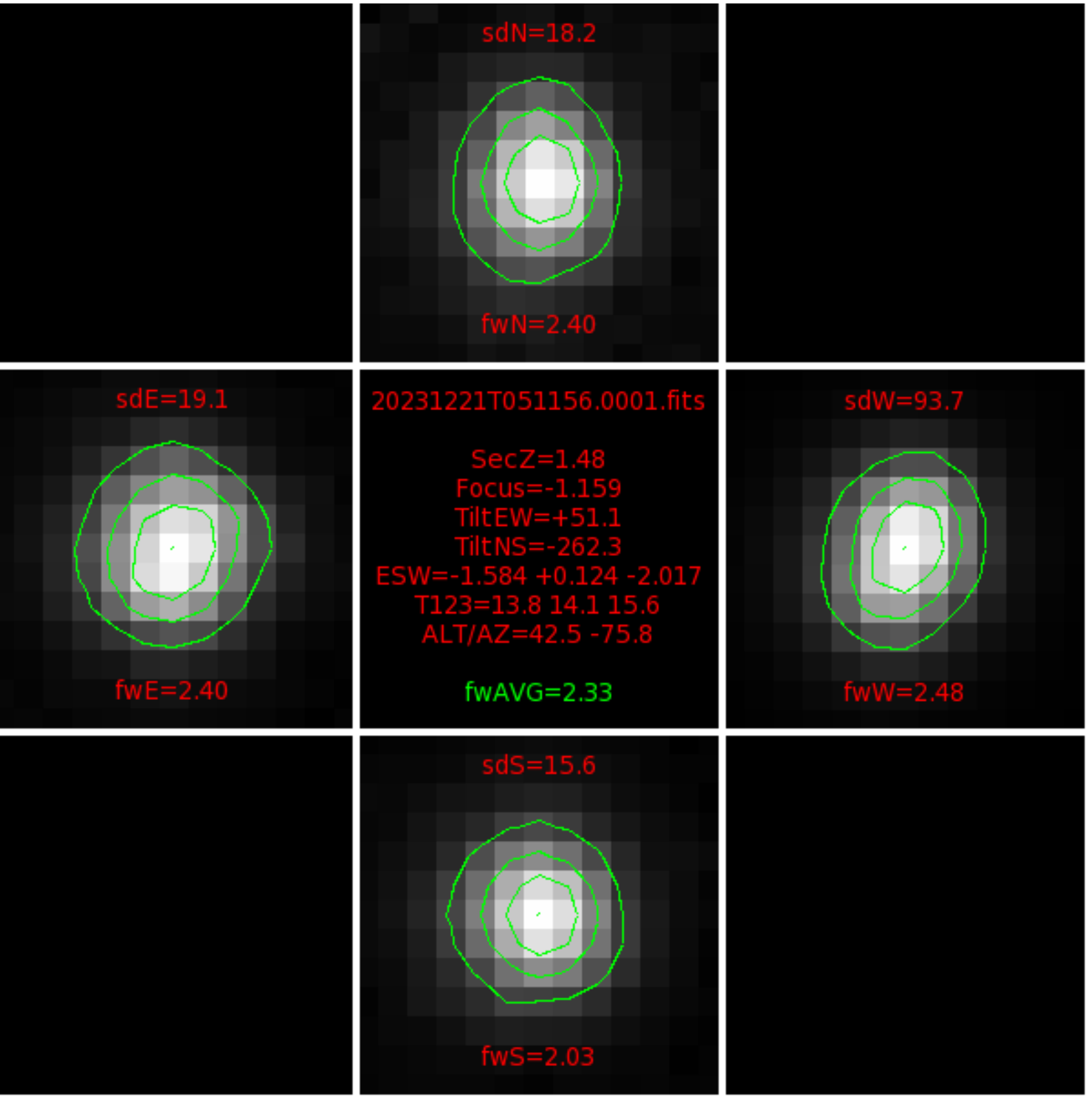

sdN=269.8
fwN=2.03
sdE=400.3
fwE=2.21
20231221T050515.0001.fits
SecZ=1.26
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.1 15.6
ALT/AZ=52.3 -59.6
fwAVG=1.98
sdW=68.7
fwW=1.90
sdS=135.1
fwS=1.78
0 0 0 0 0 0 0 0 0

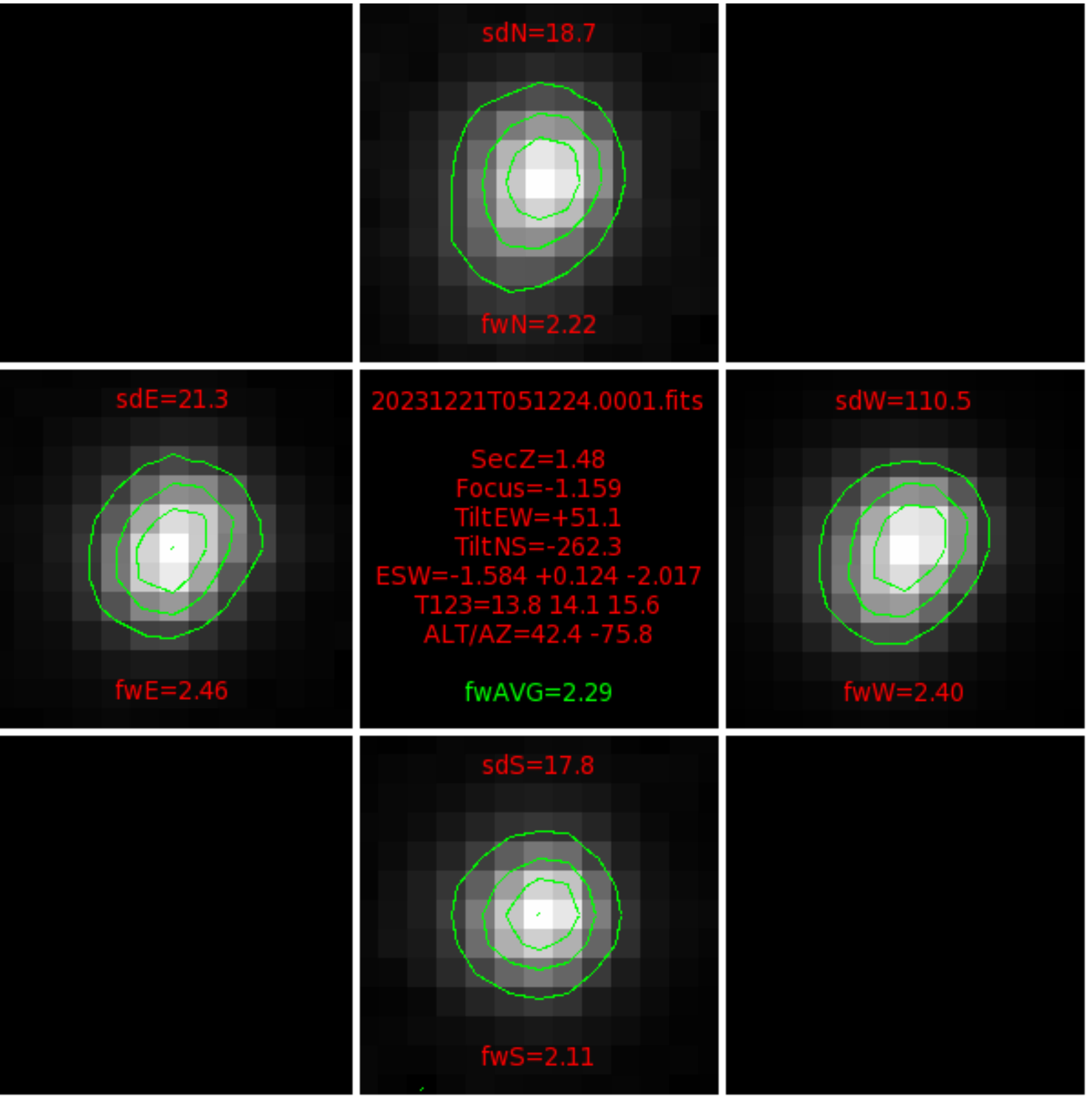

sdN=347.0
fwN=2.04
sdE=449.0
fwE=2.06
20231221T050651.0001.fits
SecZ=1.27
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.1 15.6
ALT/AZ=52.0 -59.7
fwAVG=2.05
sdW=109.7
fwW=2.24
sdS=159.1
fwS=1.84
0 0 0 0 0 0 0 0 0


sdN=456.6
fwN=2.00
sdE=437.6
fwE=2.08
20231221T050719.0001.fits
SecZ=1.27
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.1 15.6
ALT/AZ=51.9 -59.7
fwAVG=1.93
sdW=212.1
fwW=1.92
sdS=228.4
fwS=1.73
0 0 0 0 0 0 0 0 0


sdN=378.3
fwN=2.00
sdE=394.6
fwE=2.10
20231221T050951.0001.fits
SecZ=1.47
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.1 15.6
ALT/AZ=42.9 -76.0
fwAVG=1.94
sdW=168.7
fwW=1.96
sdS=176.7
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=13.7
fwN=2.51
sdE=14.7
fwE=2.65
20231221T051019.0001.fits
SecZ=1.47
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.1 15.5
ALT/AZ=42.8 -75.9
fwAVG=2.48
sdW=71.3
fwW=2.58
sdS=12.8
fwS=2.17
0 0 0 0 0 0 0 0 0


sdN=18.2
fwN=2.40
sdE=19.1
fwE=2.40
20231221T051156.0001.fits
SecZ=1.48
Focus=-1.159
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.584 +0.124 -2.017
T123=13.8 14.1 15.6
ALT/AZ=42.5 -75.8
fwAVG=2.33
sdW=93.7
fwW=2.48
sdS=15.6
fwS=2.03
0 0 0 0 0 0 0 0 0


sdN=18.7
fwN=2.22
sdE=21.3
fwE=2.46
20231221T051224.0001.fits
SecZ=1.48
Focus=-1.159
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.584 +0.124 -2.017
T123=13.8 14.1 15.6
ALT/AZ=42.4 -75.8
fwAVG=2.29
sdW=110.5
fwW=2.40
sdS=17.8
fwS=2.11
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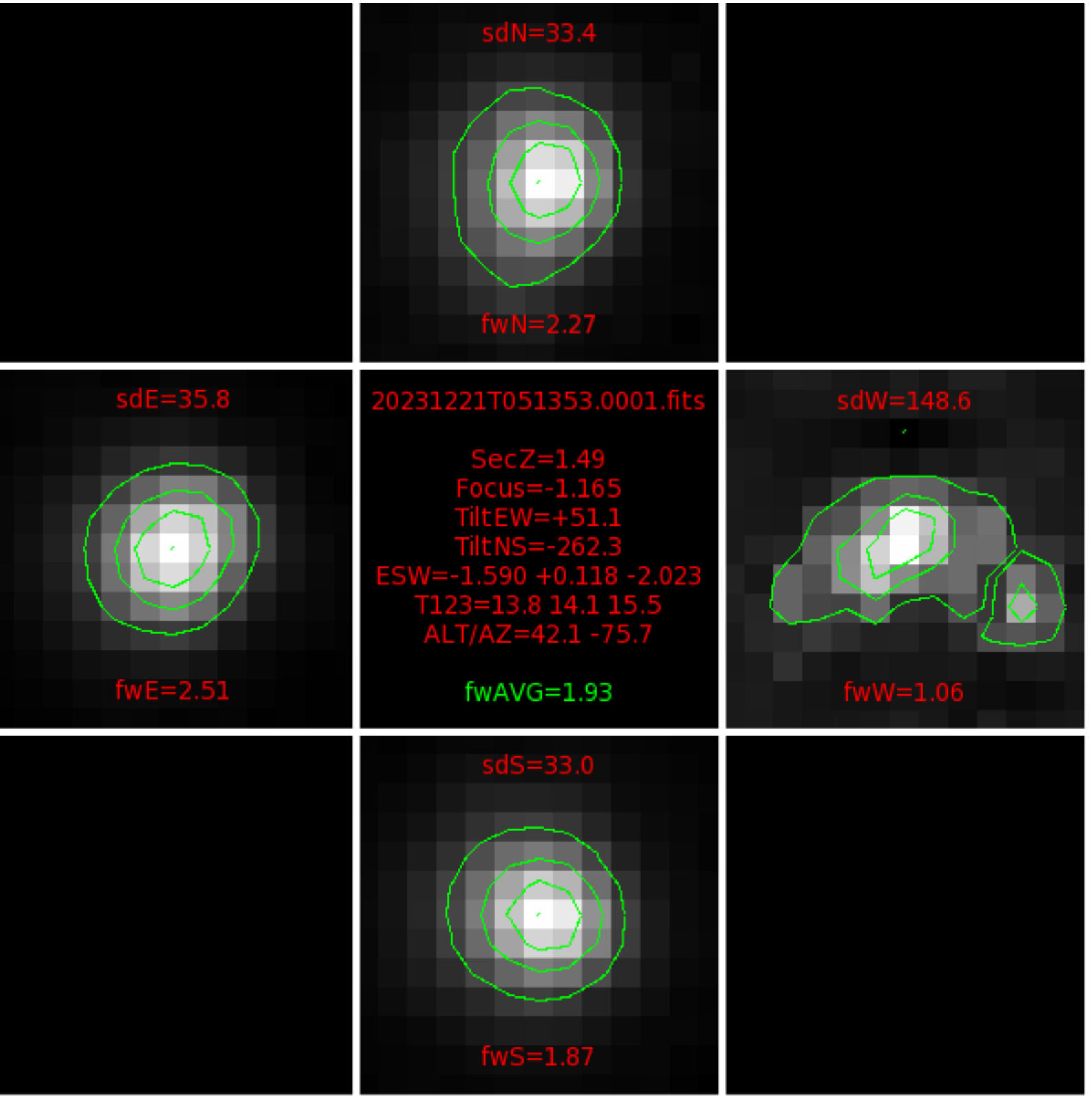
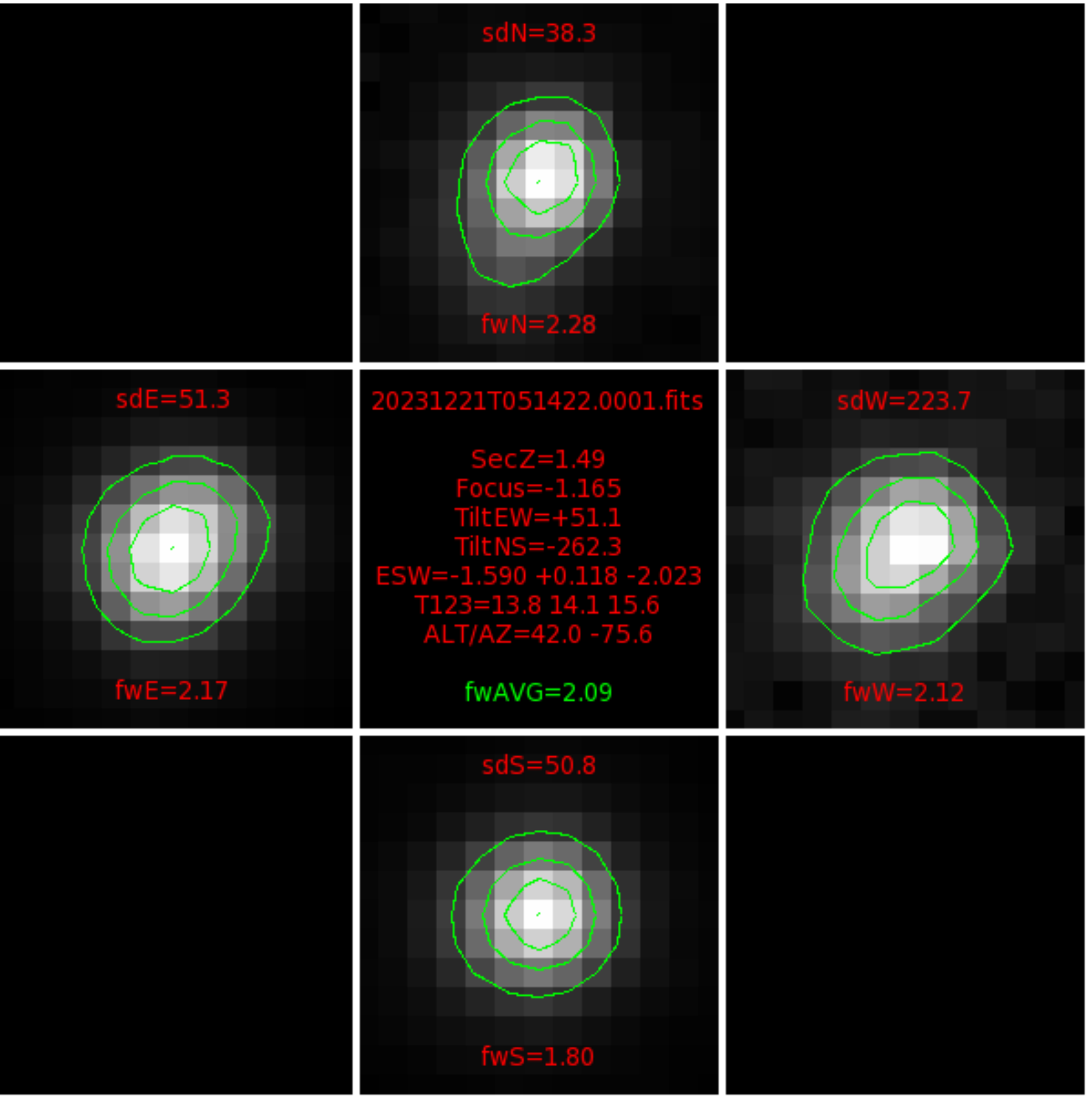

sdN=33.4
fwN=2.27
sdE=35.8
fwE=2.51
20231221T051353.0001.fits
SecZ=1.49
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.1 15.5
ALT/AZ=42.1 -75.7
fwAVG=1.93
sdW=148.6
fwW=1.06
sdS=33.0
fwS=1.87
0 0 0 0 0 0 0 0 0


sdN=38.3
fwN=2.28
sdE=51.3
fwE=2.17
20231221T051422.0001.fits
SecZ=1.49
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.1 15.6
ALT/AZ=42.0 -75.6
fwAVG=2.09
sdW=223.7
fwW=2.12
sdS=50.8
fwS=1.80
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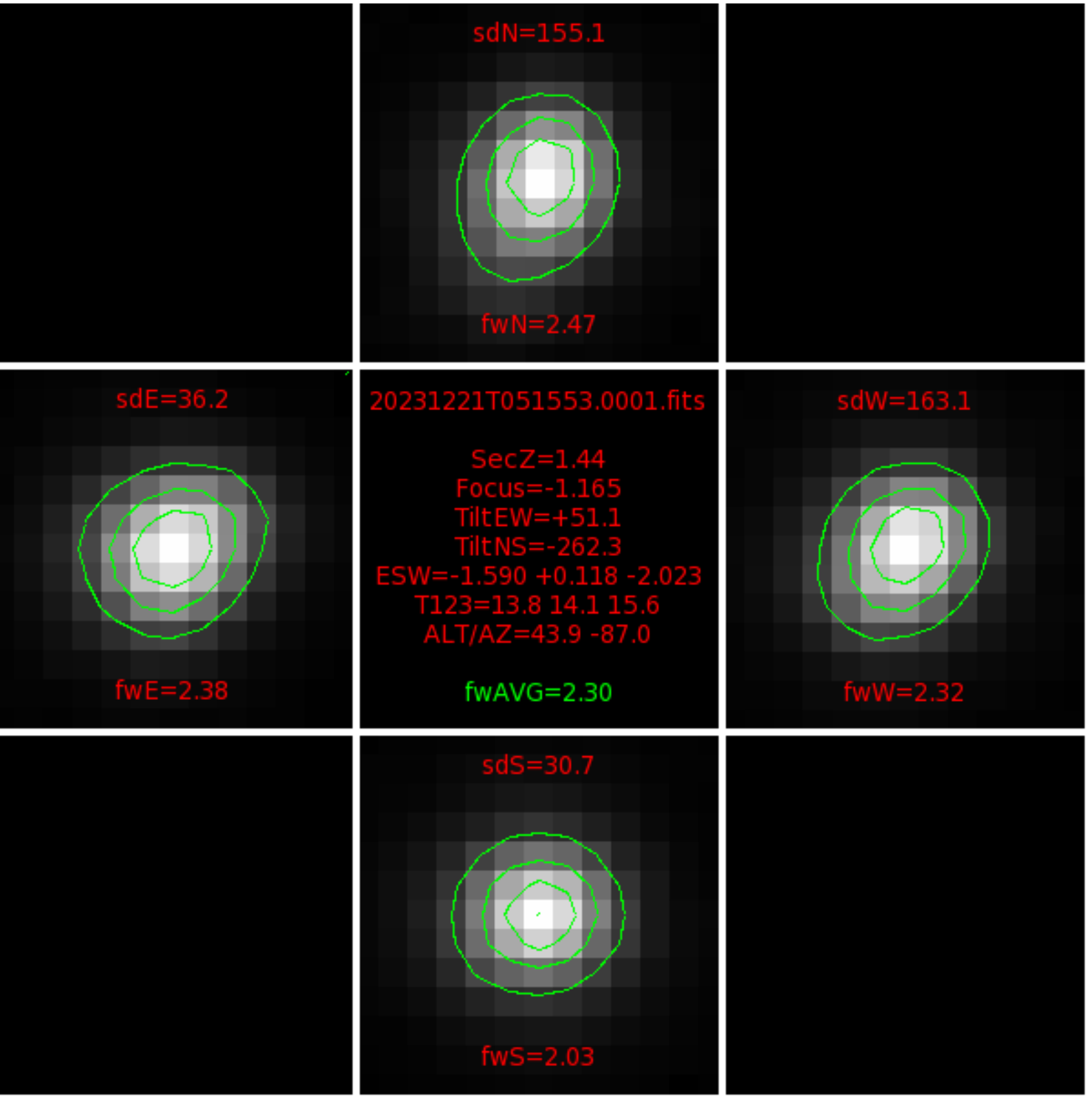
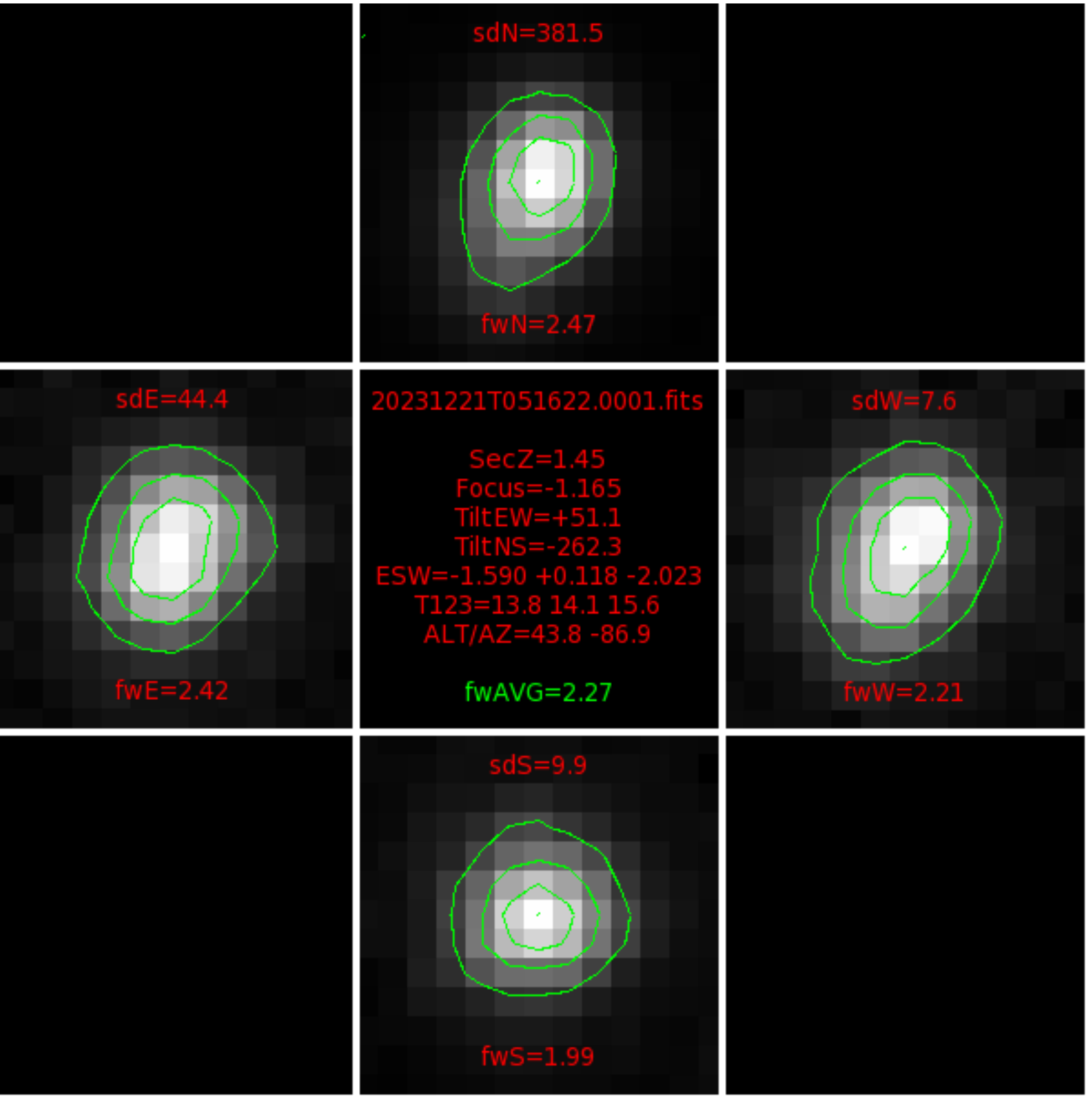

sdN=155.1
fwN=2.47
sdE=36.2
fwE=2.38
20231221T051553.0001.fits
SecZ=1.44
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.1 15.6
ALT/AZ=43.9 -87.0
fwAVG=2.30
sdW=163.1
fwW=2.32
sdS=30.7
fwS=2.03
0 0 0 0 0 0 0 0 0


sdN=381.5
fwN=2.47
sdE=44.4
fwE=2.42
20231221T051622.0001.fits
SecZ=1.45
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.1 15.6
ALT/AZ=43.8 -86.9
fwAVG=2.27
sdW=7.6
fwW=2.21
sdS=9.9
fwS=1.99
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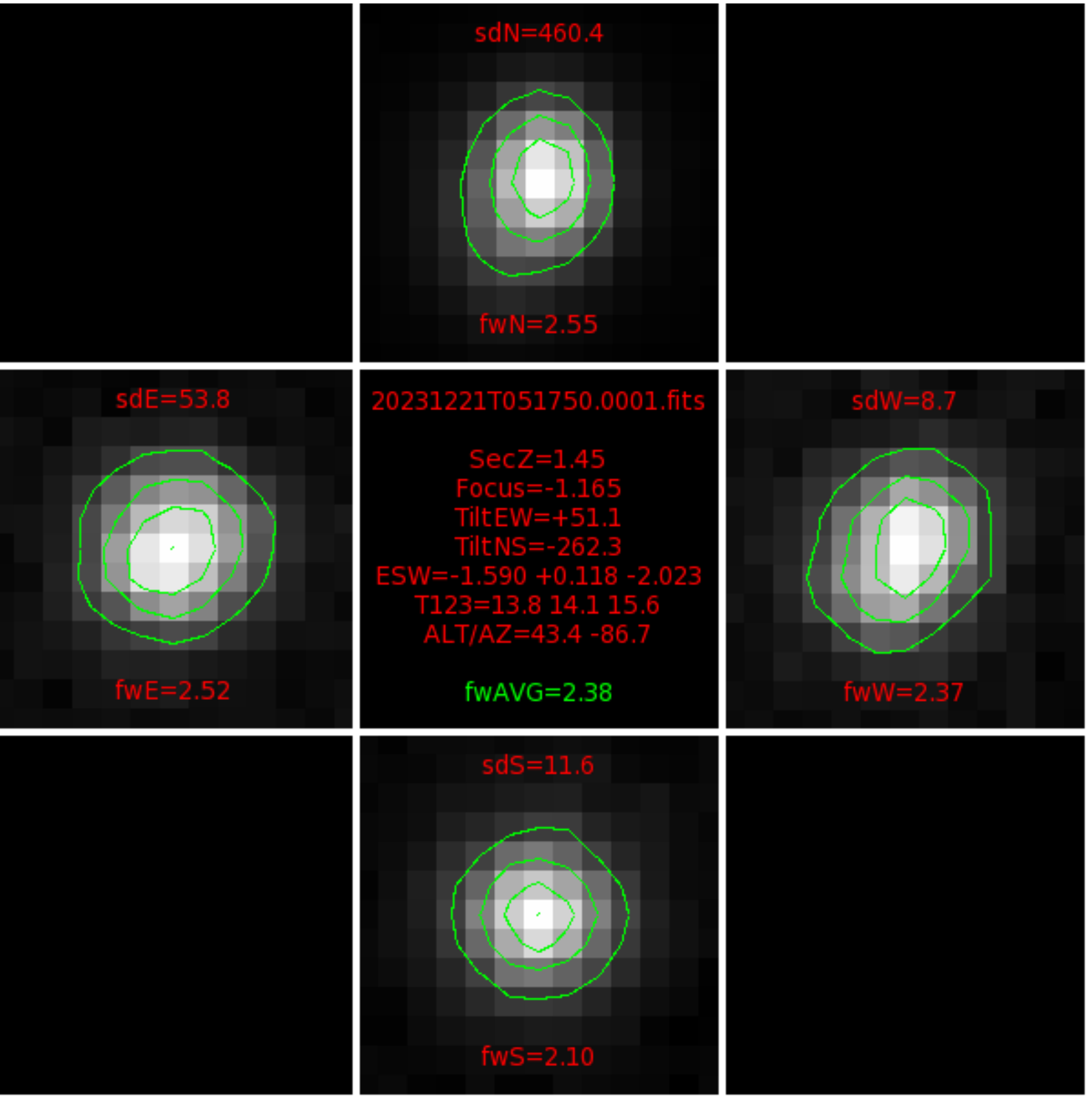
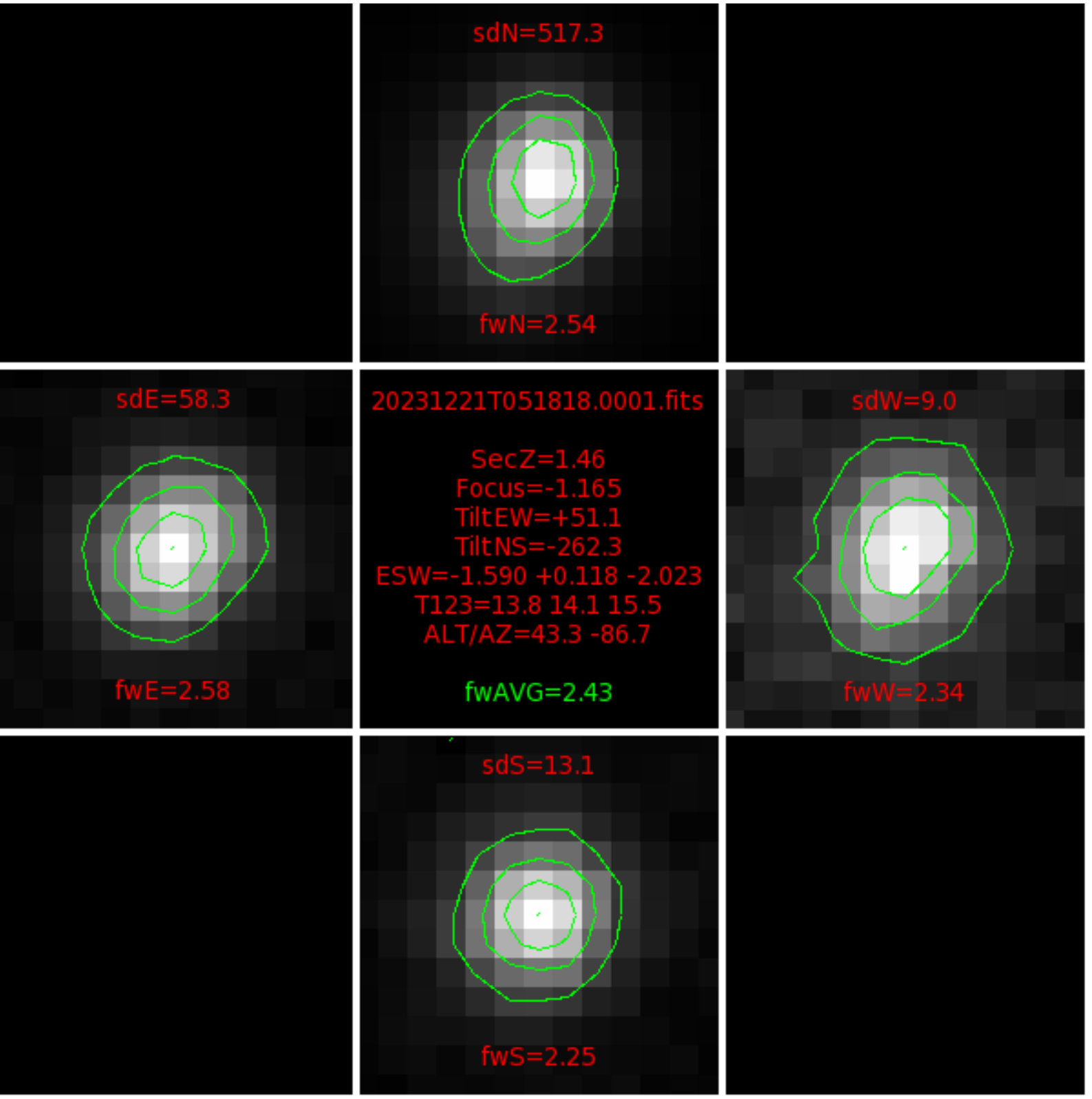

sdN=460.4
fwN=2.55
sdE=53.8
fwE=2.52
20231221T051750.0001.fits
SecZ=1.45
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.1 15.6
ALT/AZ=43.4 -86.7
fwAVG=2.38
sdW=8.7
fwW=2.37
sdS=11.6
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=517.3
fwN=2.54
sdE=58.3
fwE=2.58
20231221T051818.0001.fits
SecZ=1.46
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.1 15.5
ALT/AZ=43.3 -86.7
fwAVG=2.43
sdW=9.0
fwW=2.34
sdS=13.1
fwS=2.25
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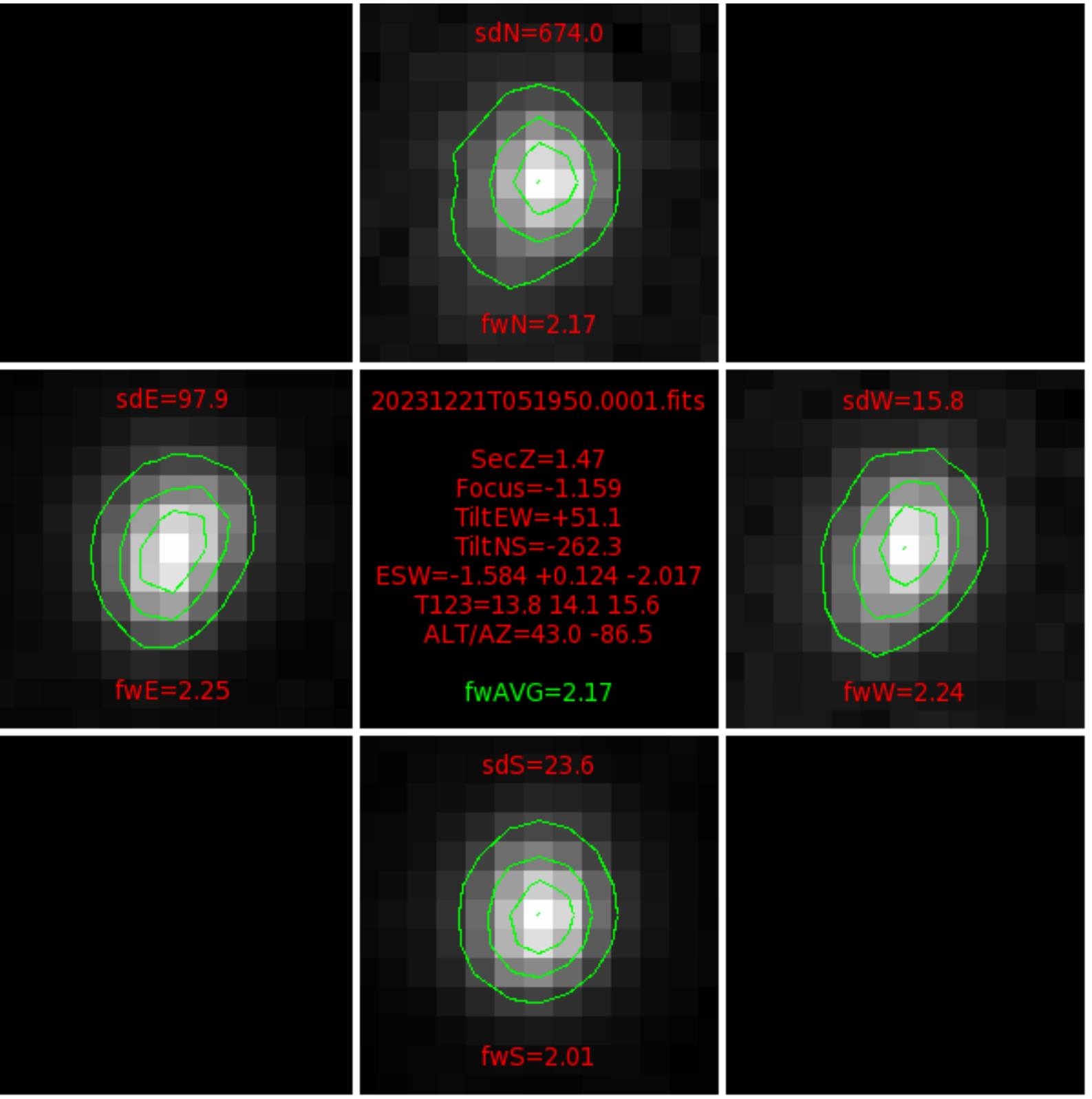
sdN=674.0
fwN=2.17
sdE=97.9
fwE=2.25
20231221T051950.0001.fits
SecZ=1.47
Focus=-1.159
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.584 +0.124 -2.017
T123=13.8 14.1 15.6
ALT/AZ=43.0 -86.5
fwAVG=2.17
sdW=15.8
fwW=2.24
sdS=23.6
fwS=2.01
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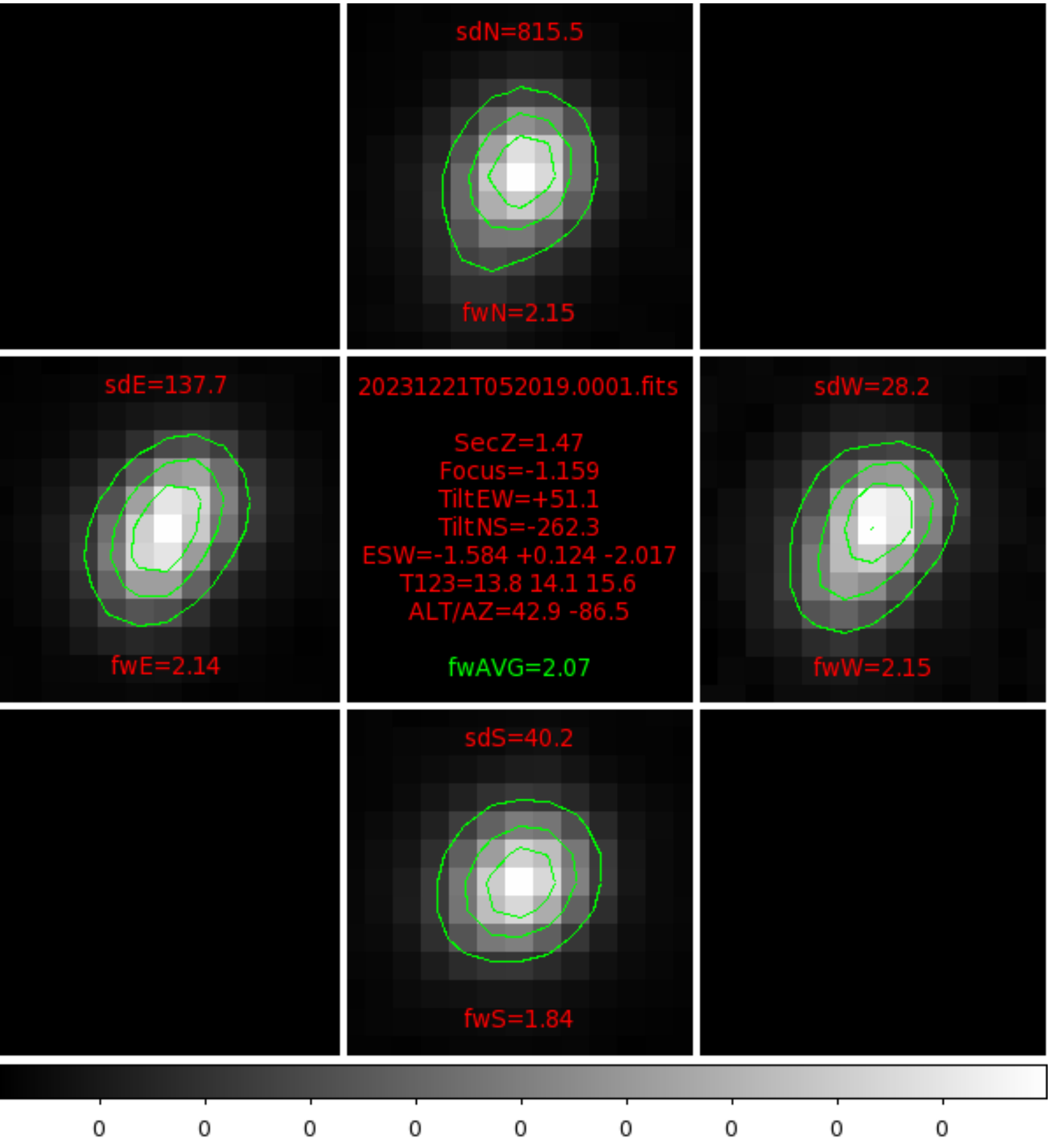
sdN=815.5
fwN=2.15
sdE=137.7
fwE=2.14
20231221T052019.0001.fits
SecZ=1.47
Focus=-1.159
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.584 +0.124 -2.017
T123=13.8 14.1 15.6
ALT/AZ=42.9 -86.5
fwAVG=2.07
sdW=28.2
fwW=2.15
sdS=40.2
fwS=1.84
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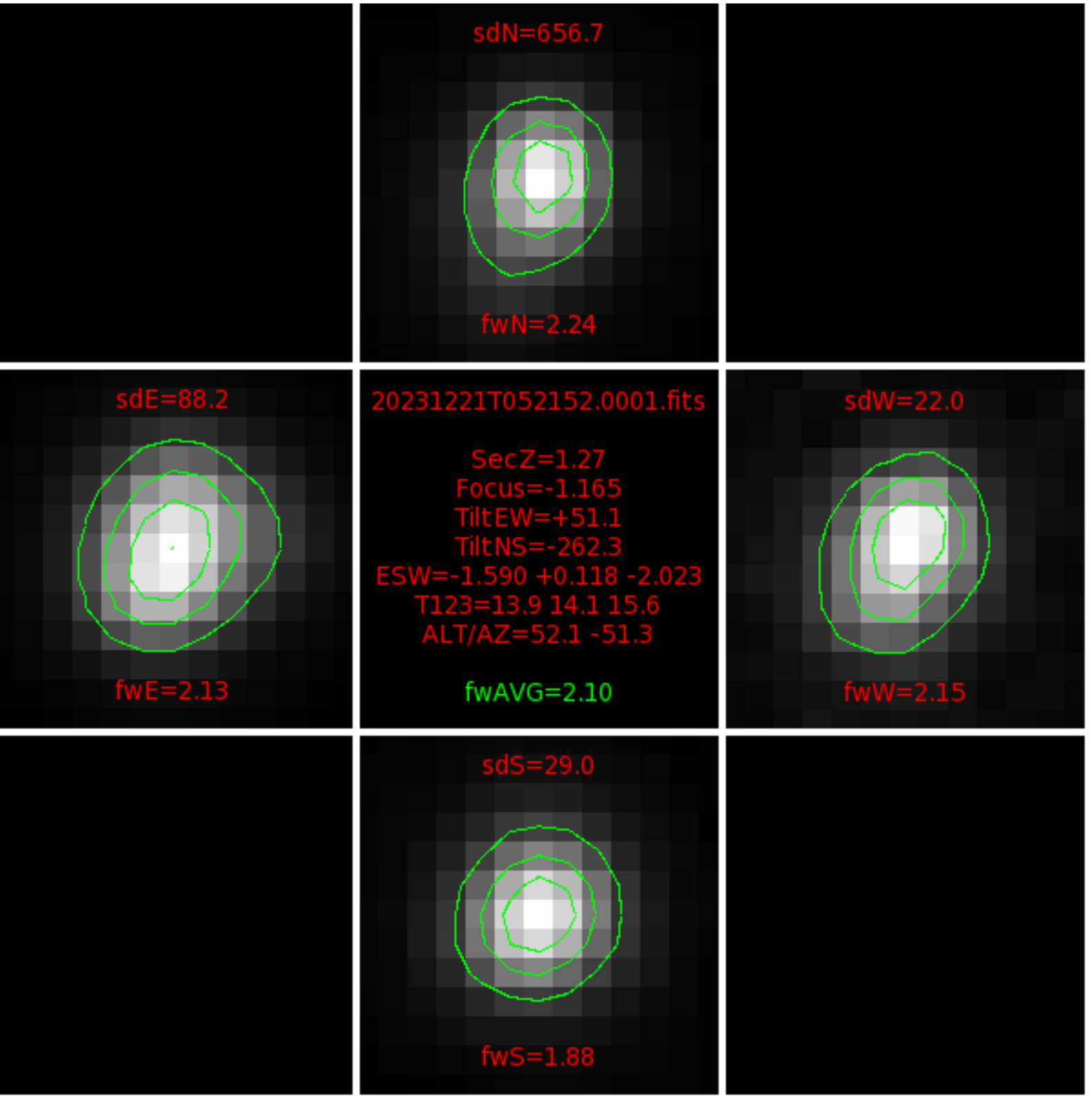
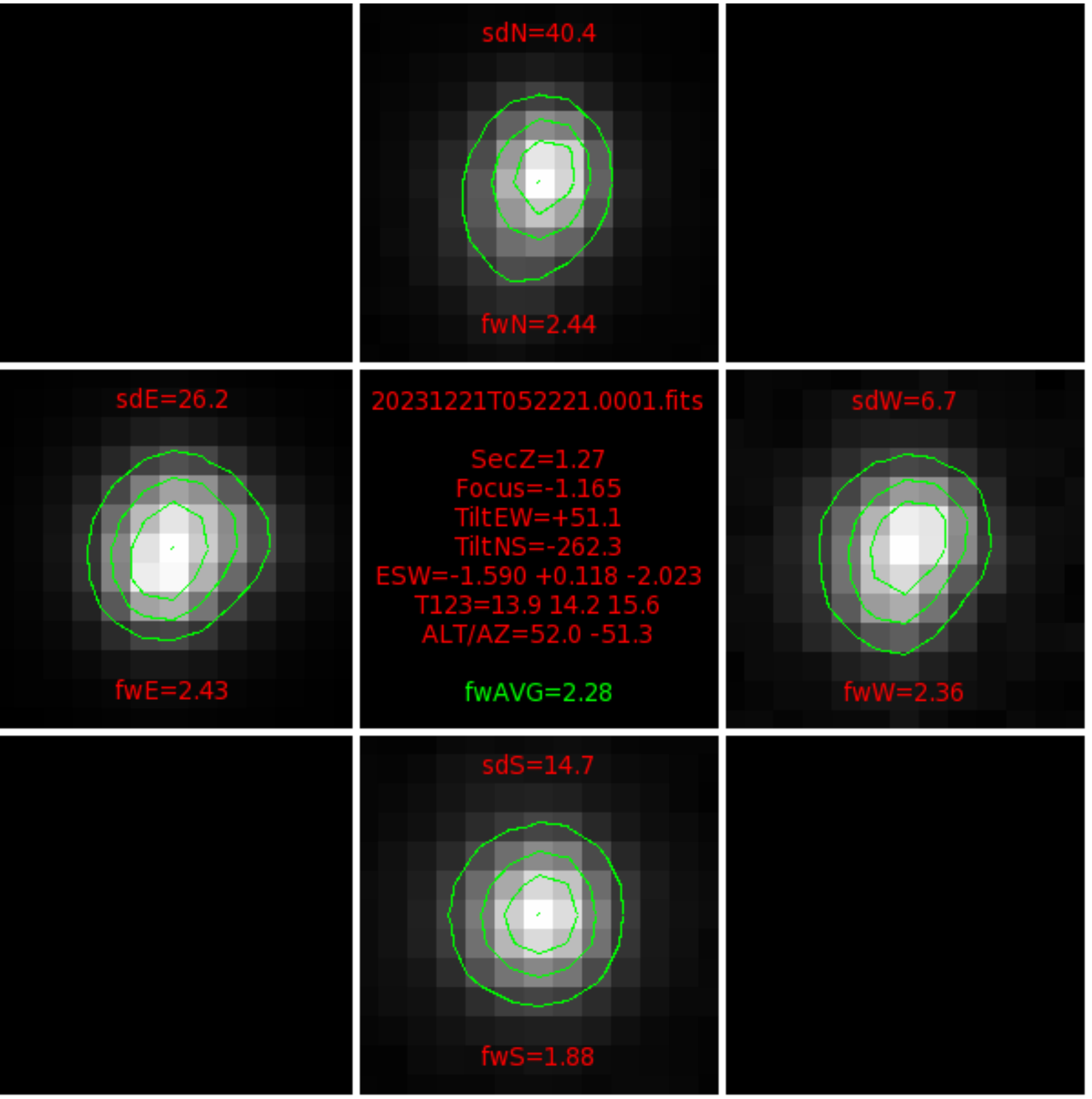
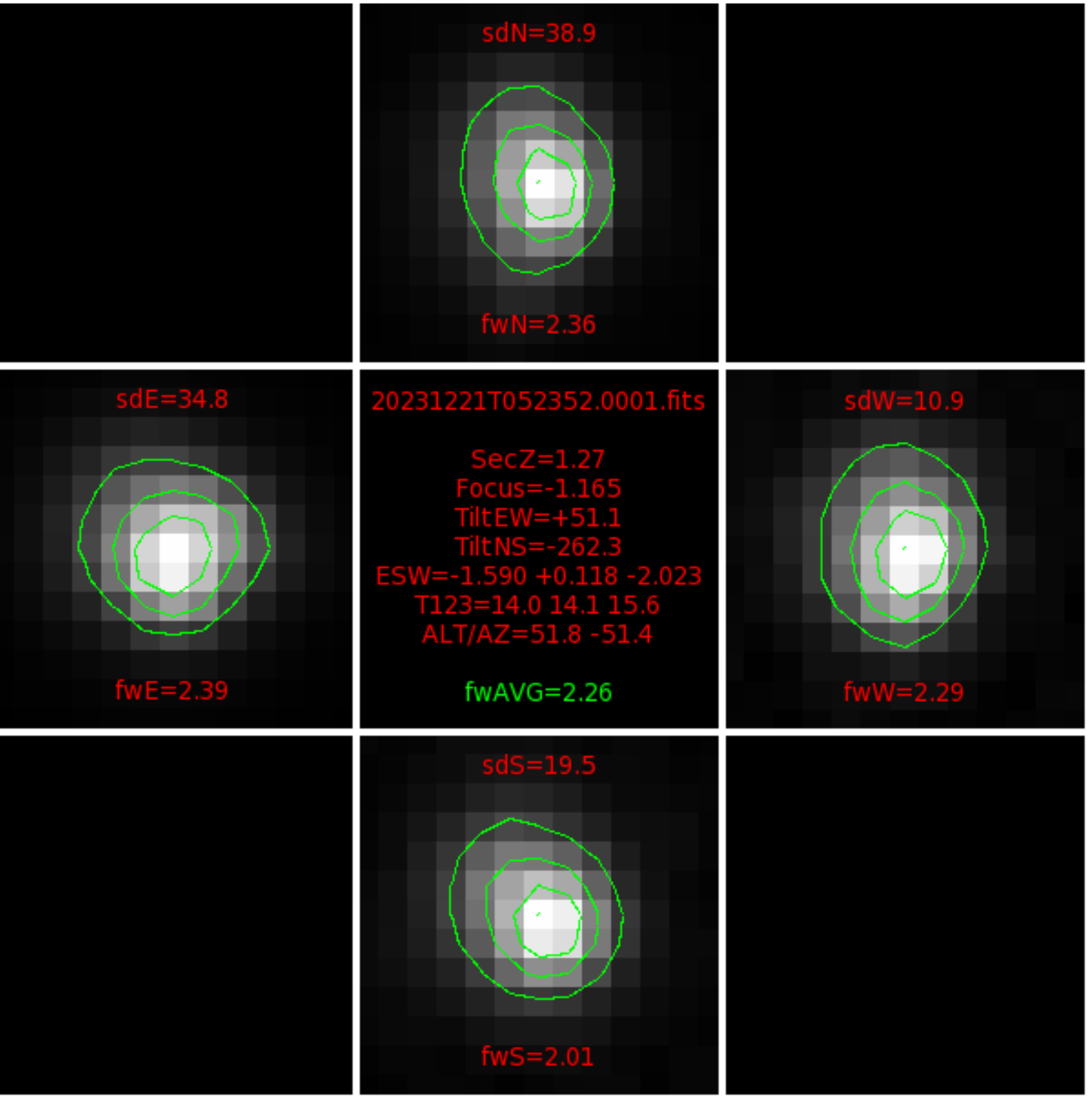
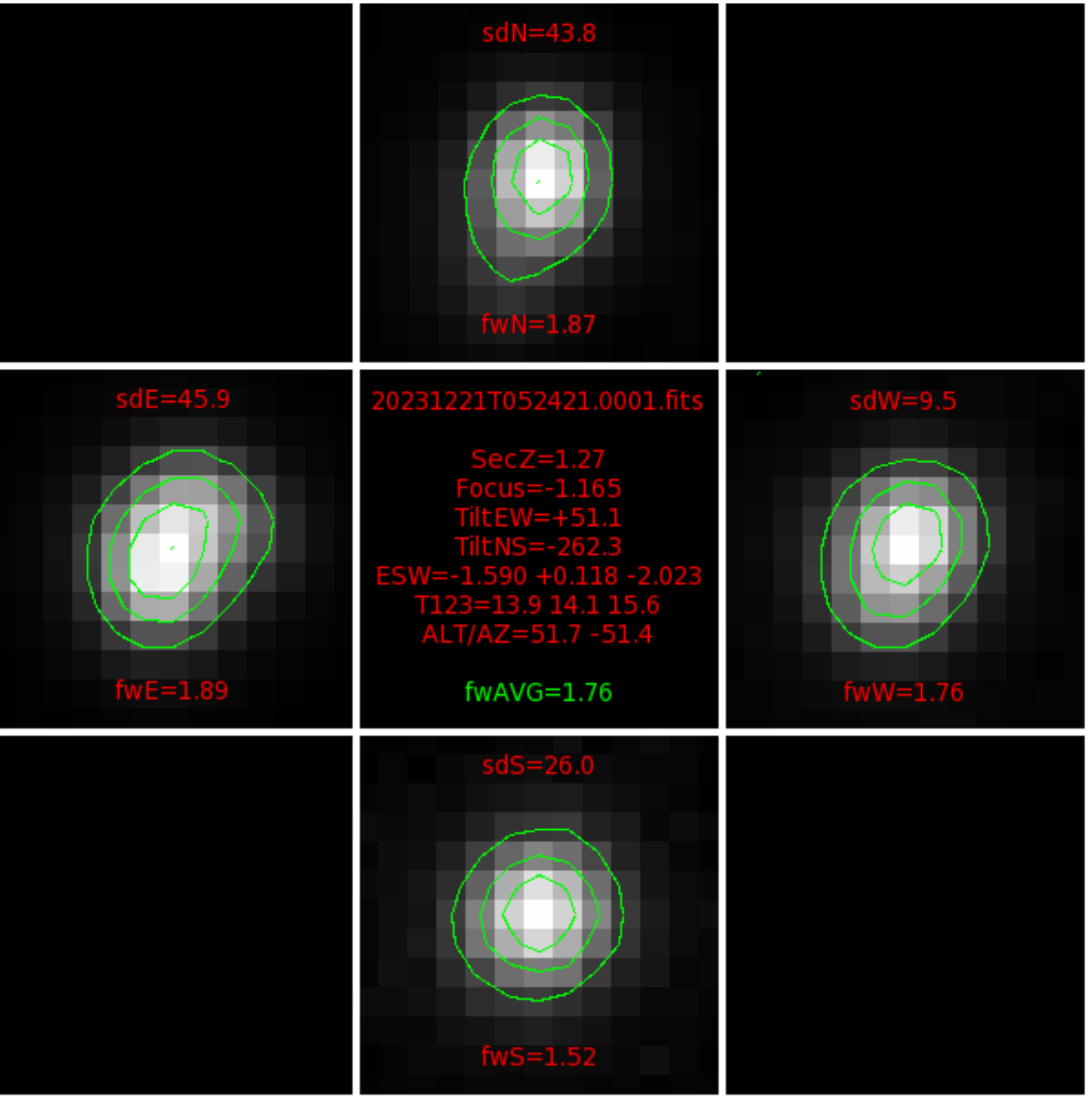

sdN=656.7
fwN=2.24
sdE=88.2
fwE=2.13
20231221T052152.0001.fits
SecZ=1.27
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.9 14.1 15.6
ALT/AZ=52.1 -51.3
fwAVG=2.10
sdW=22.0
fwW=2.15
sdS=29.0
fwS=1.88
0 0 0 0 0 0 0 0 0


sdN=40.4
fwN=2.44
sdE=26.2
fwE=2.43
20231221T052221.0001.fits
SecZ=1.27
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.9 14.2 15.6
ALT/AZ=52.0 -51.3
fwAVG=2.28
sdW=6.7
fwW=2.36
sdS=14.7
fwS=1.88
0 0 0 0 0 0 0 0 0


sdN=38.9
fwN=2.36
sdE=34.8
fwE=2.39
20231221T052352.0001.fits
SecZ=1.27
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=14.0 14.1 15.6
ALT/AZ=51.8 -51.4
fwAVG=2.26
sdW=10.9
fwW=2.29
sdS=19.5
fwS=2.01
0 0 0 0 0 0 0 0 0


sdN=43.8
fwN=1.87
sdE=45.9
fwE=1.89
20231221T052421.0001.fits
SecZ=1.27
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.9 14.1 15.6
ALT/AZ=51.7 -51.4
fwAVG=1.76
sdW=9.5
fwW=1.76
sdS=26.0
fwS=1.52
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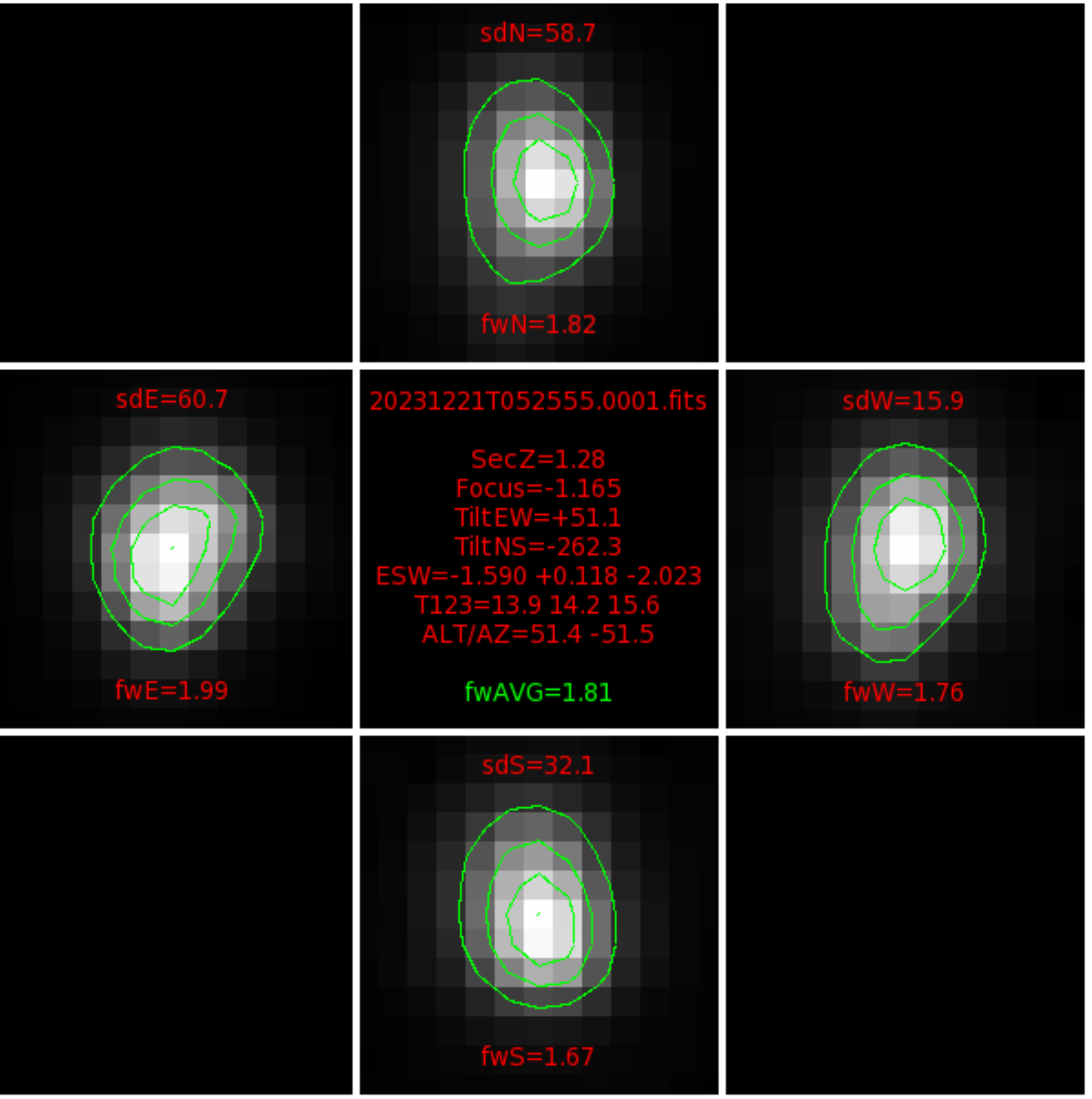
sdN=58.7
fwN=1.82
sdE=60.7
fwE=1.99
20231221T052555.0001.fits
SecZ=1.28
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.9 14.2 15.6
ALT/AZ=51.4 -51.5
fwAVG=1.81
sdW=15.9
fwW=1.76
sdS=32.1
fwS=1.67
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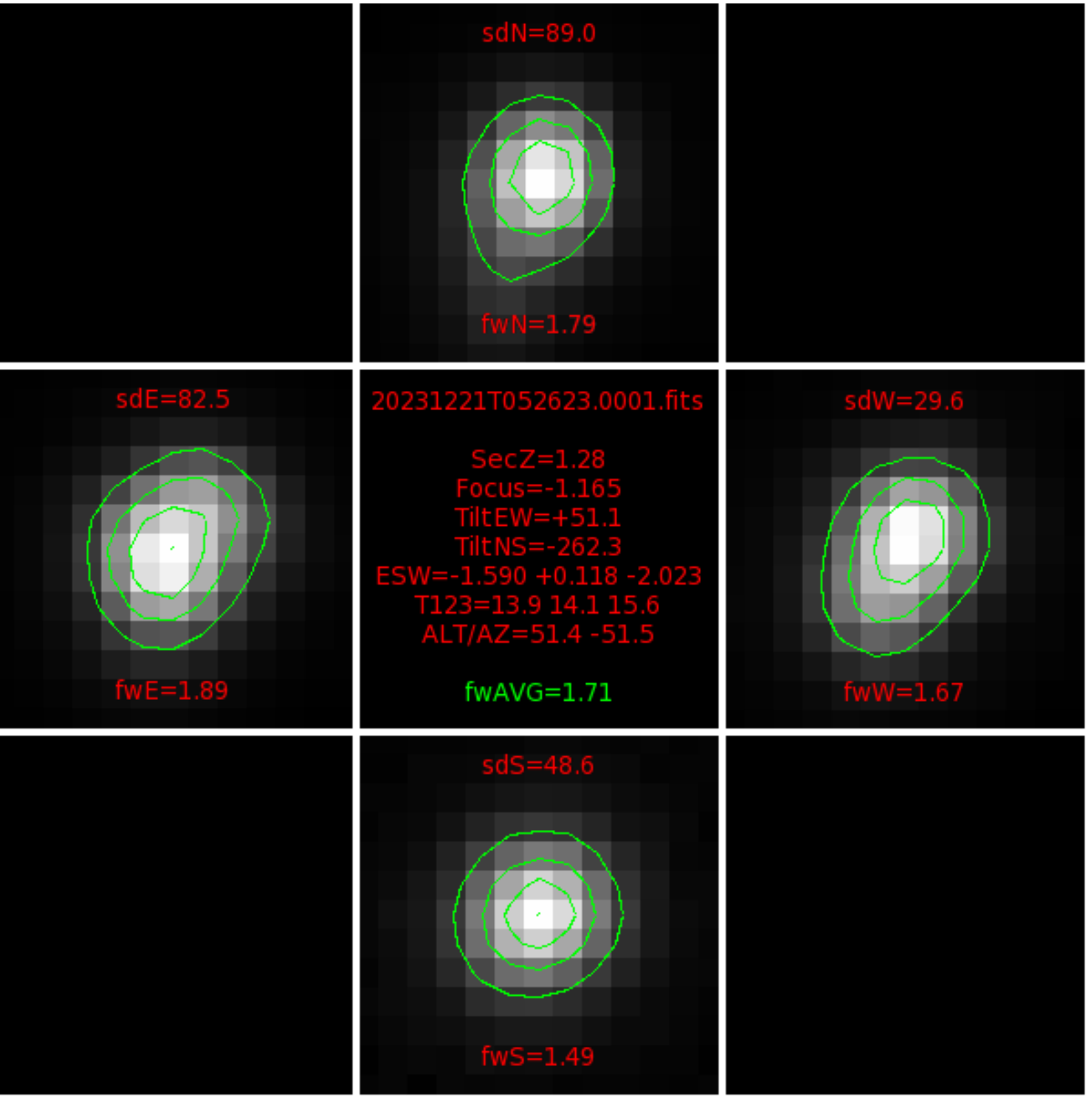
sdN=89.0
fwN=1.79
sdE=82.5
fwE=1.89
20231221T052623.0001.fits
SecZ=1.28
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.9 14.1 15.6
ALT/AZ=51.4 -51.5
fwAVG=1.71
sdW=29.6
fwW=1.67
sdS=48.6
fwS=1.49
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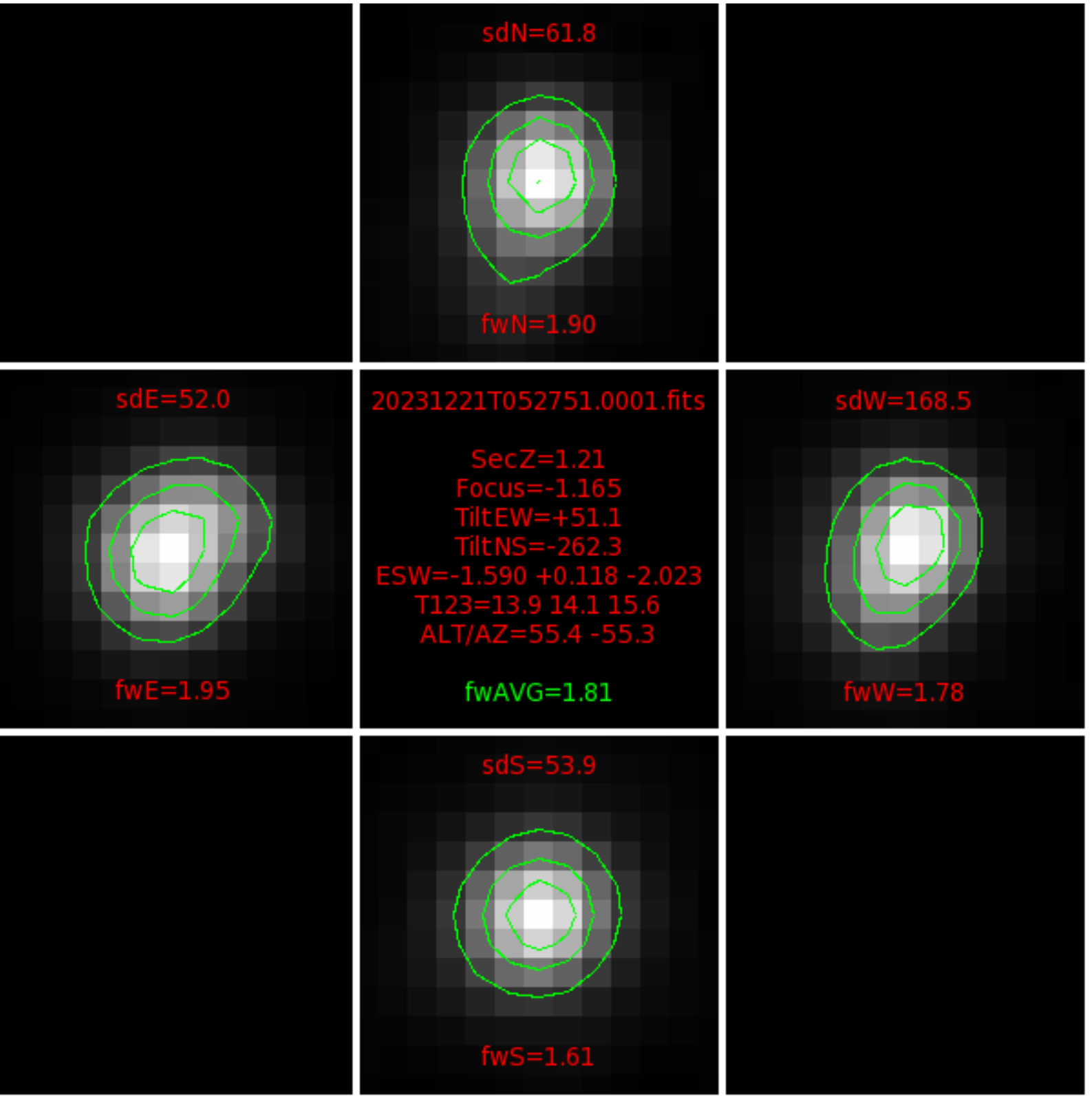
sdN=61.8
fwN=1.90
sdE=52.0
fwE=1.95
20231221T052751.0001.fits
SecZ=1.21
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.9 14.1 15.6
ALT/AZ=55.4 -55.3
fwAVG=1.81
sdW=168.5
fwW=1.78
sdS=53.9
fwS=1.61
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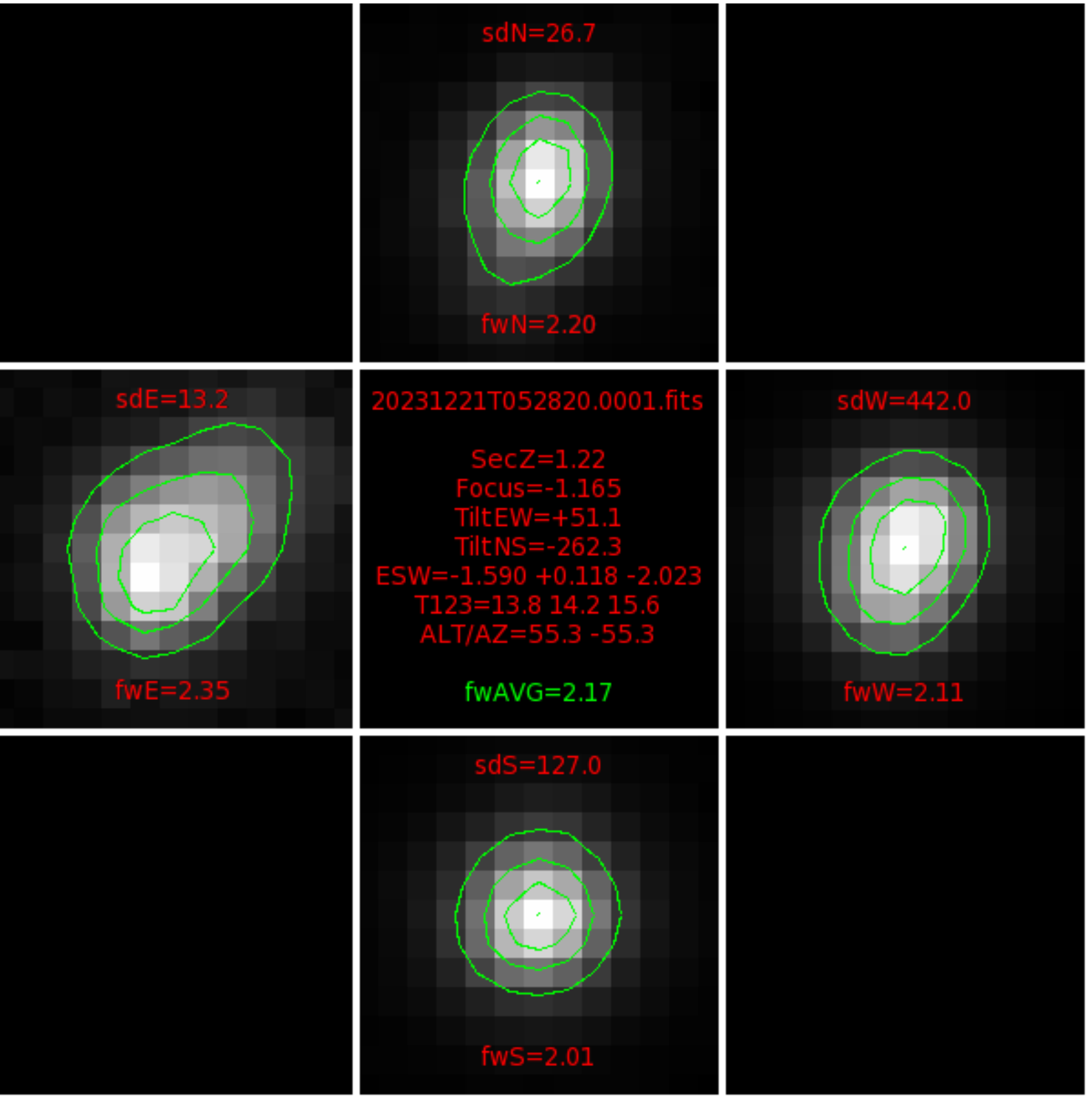
sdN=26.7
fwN=2.20
sdE=13.2
fwE=2.35
20231221T052820.0001.fits
SecZ=1.22
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=13.8 14.2 15.6
ALT/AZ=55.3 -55.3
fwAVG=2.17
sdW=442.0
fwW=2.11
sdS=127.0
fwS=2.01
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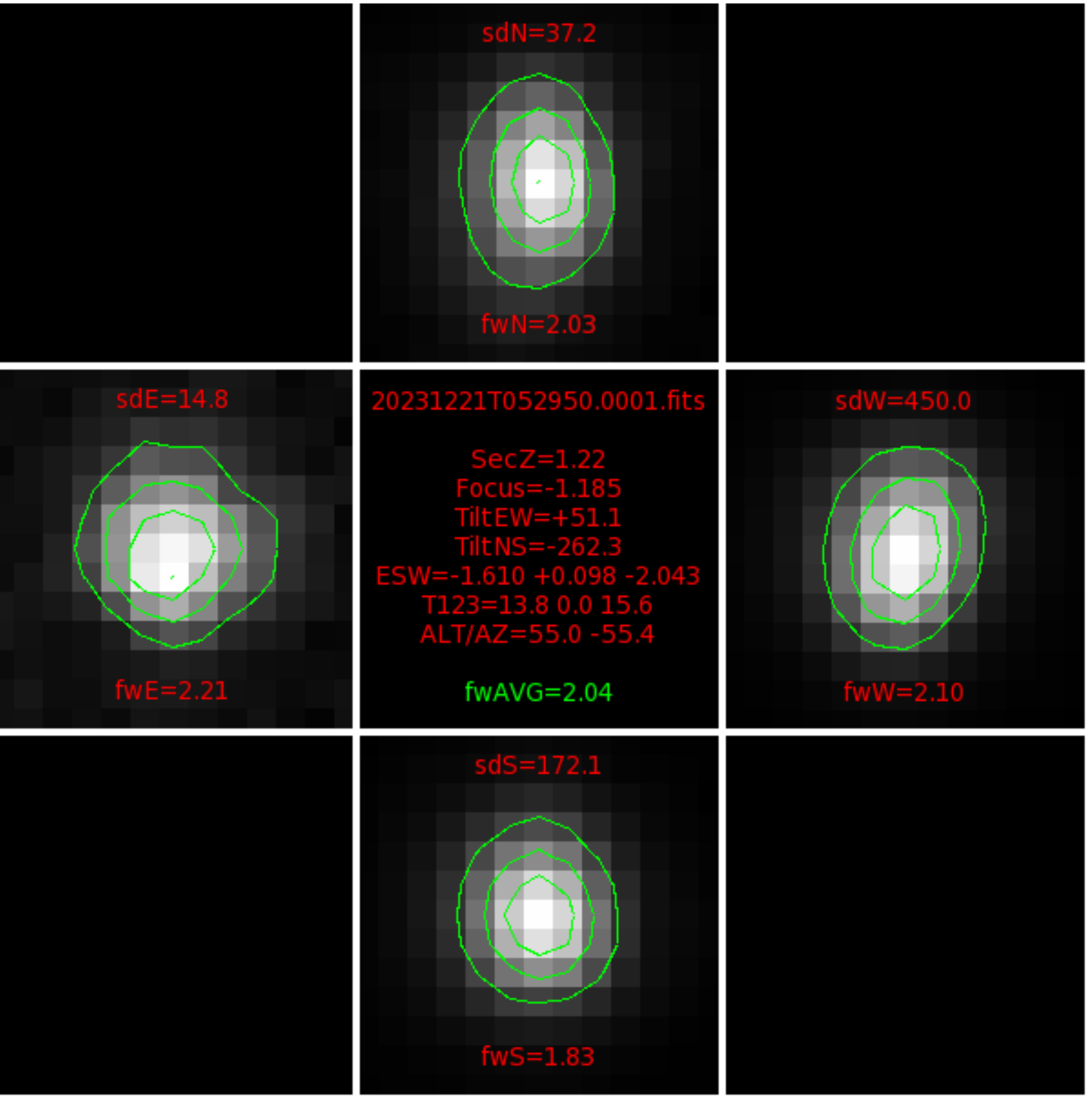
sdN=37.2
fwN=2.03
sdE=14.8
fwE=2.21
20231221T052950.0001.fits
SecZ=1.22
Focus=-1.185
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.610 +0.098 -2.043
T123=13.8 0.0 15.6
ALT/AZ=55.0 -55.4
fwAVG=2.04
sdW=450.0
fwW=2.10
sdS=172.1
fwS=1.83
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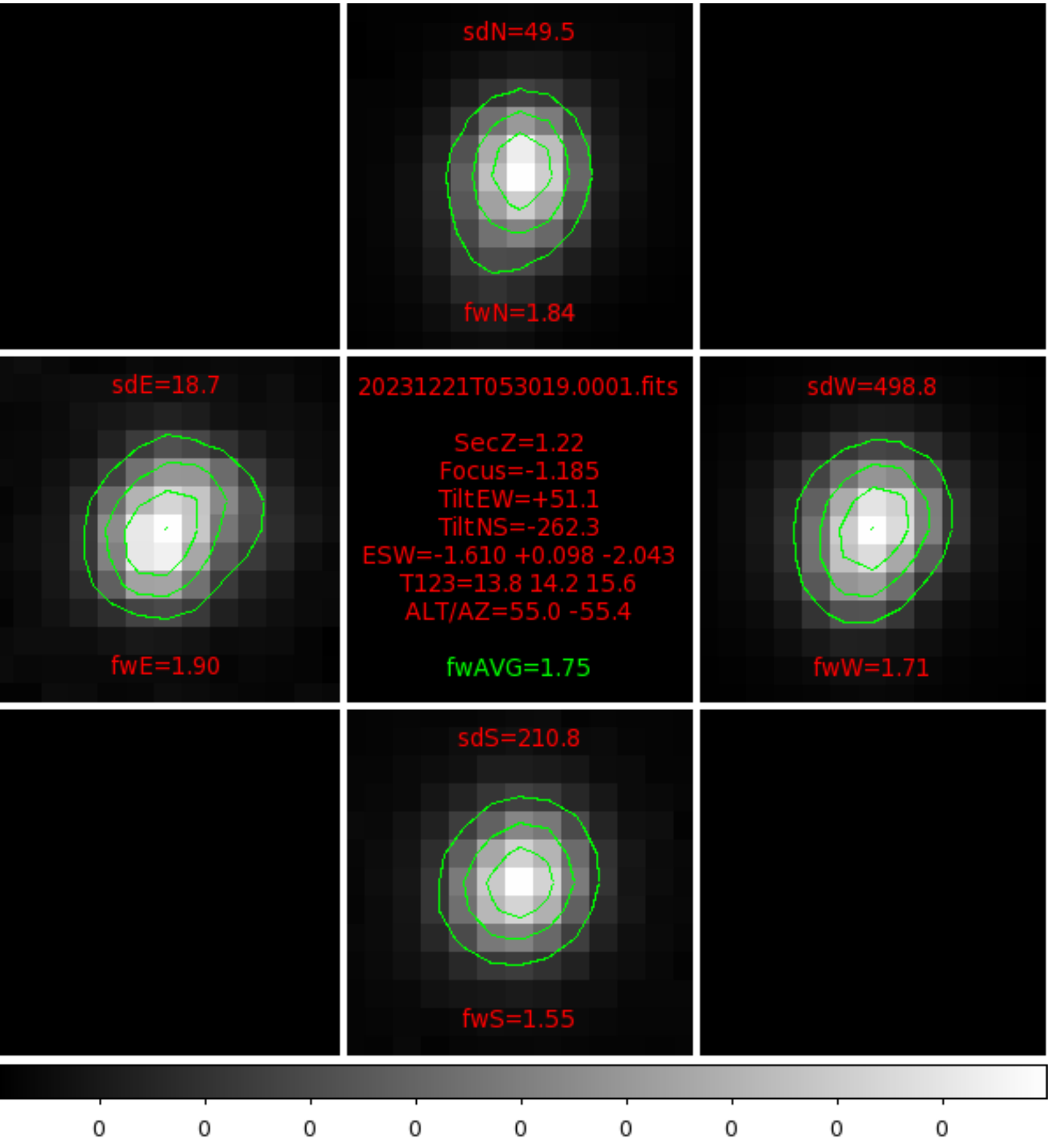
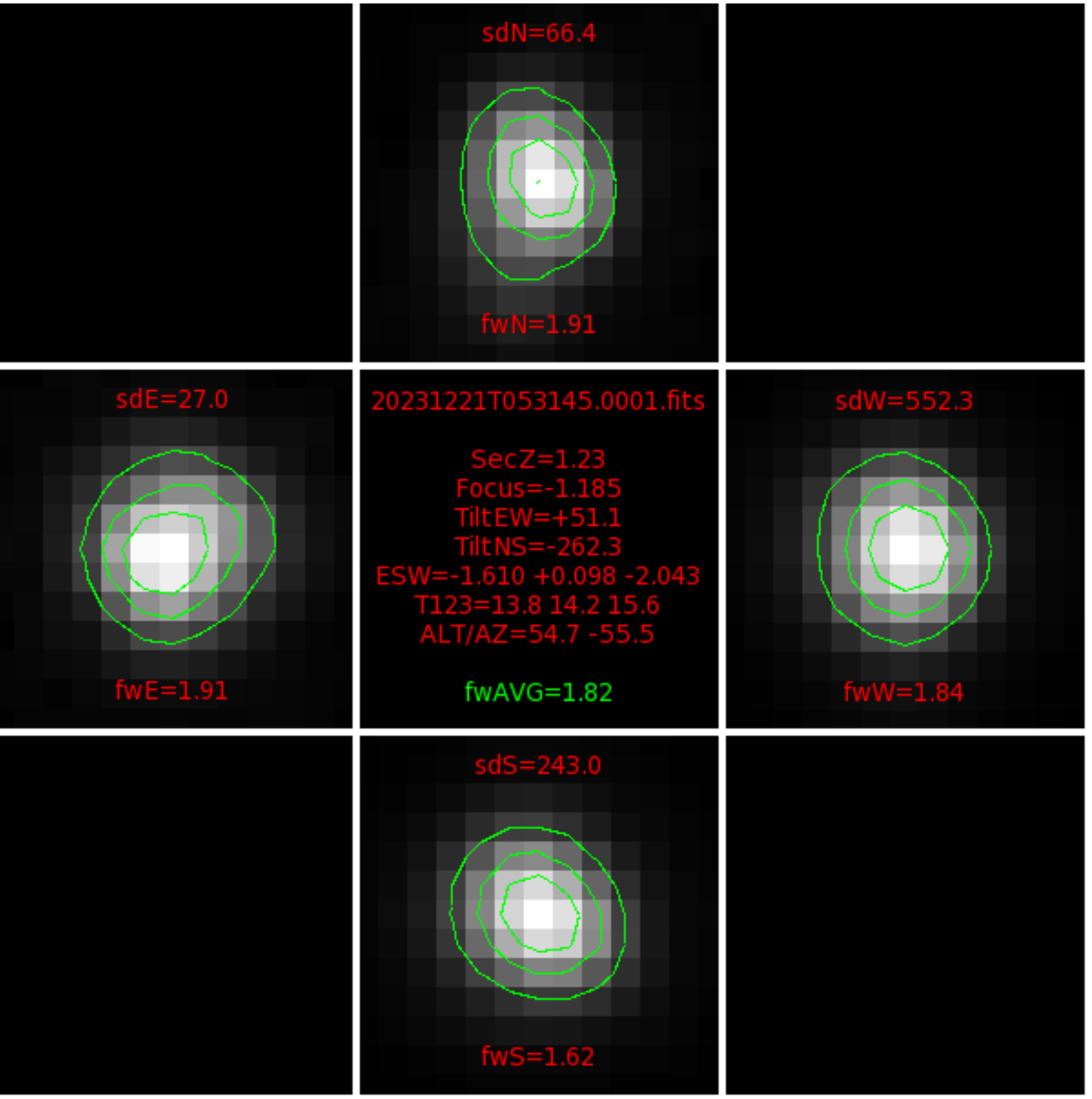

sdN=49.5
fwN=1.84
sdE=18.7
fwE=1.90
20231221T053019.0001.fits
SecZ=1.22
Focus=-1.185
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.610 +0.098 -2.043
T123=13.8 14.2 15.6
ALT/AZ=55.0 -55.4
fwAVG=1.75
sdW=498.8
fwW=1.71
sdS=210.8
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=66.4
fwN=1.91
sdE=27.0
fwE=1.91
20231221T053145.0001.fits
SecZ=1.23
Focus=-1.185
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.610 +0.098 -2.043
T123=13.8 14.2 15.6
ALT/AZ=54.7 -55.5
fwAVG=1.82
sdW=552.3
fwW=1.84
sdS=243.0
fwS=1.62
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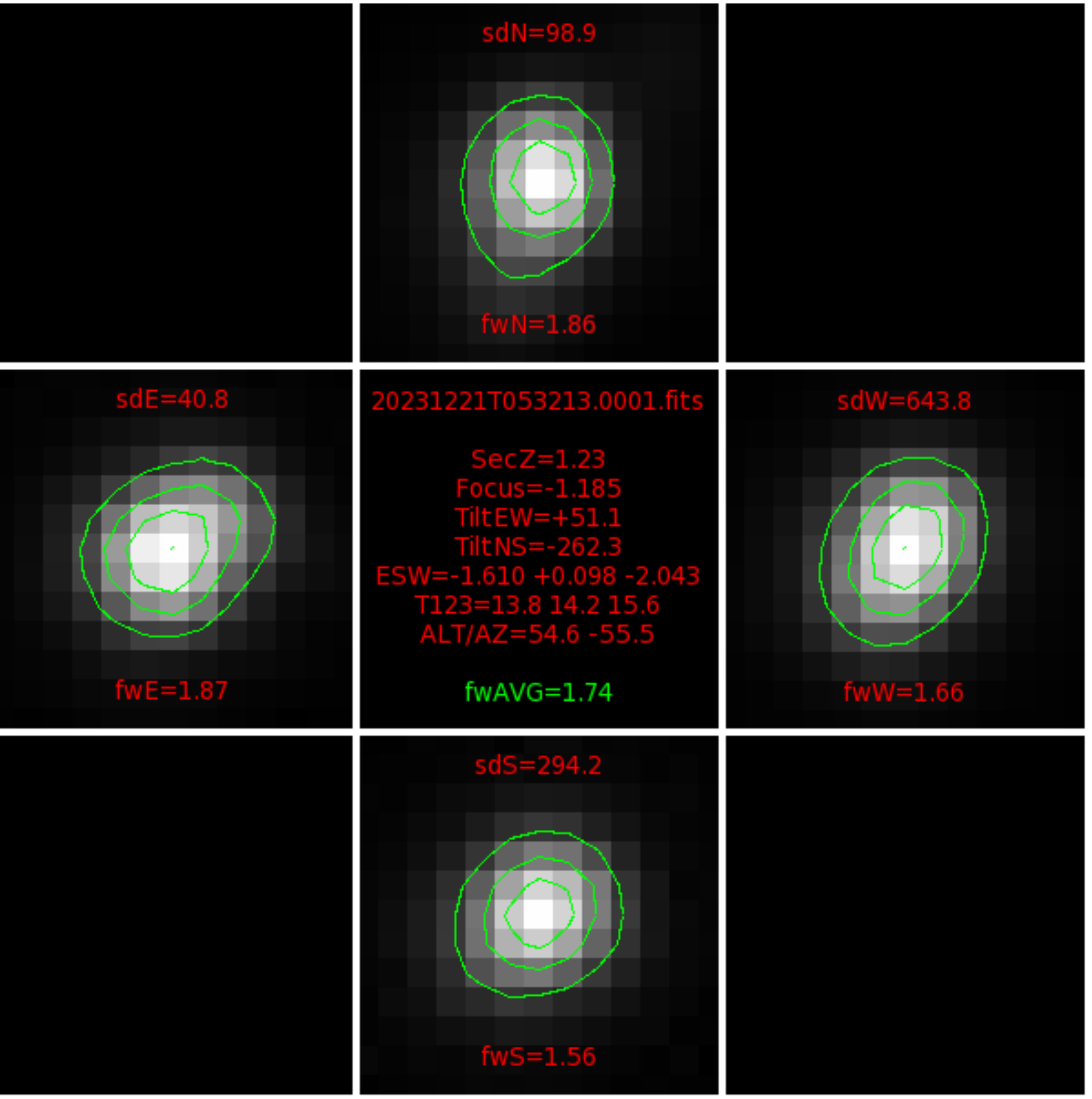
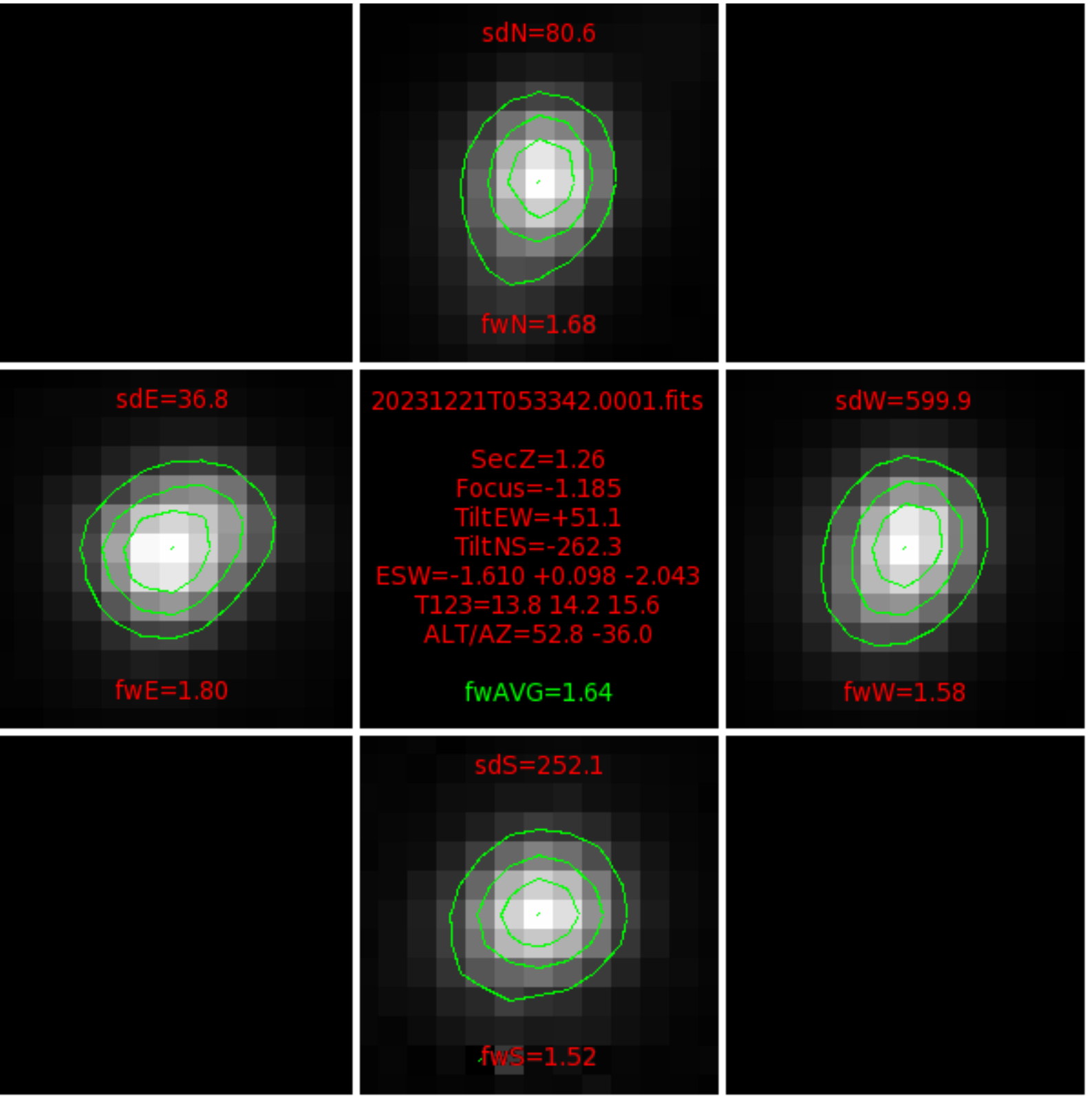
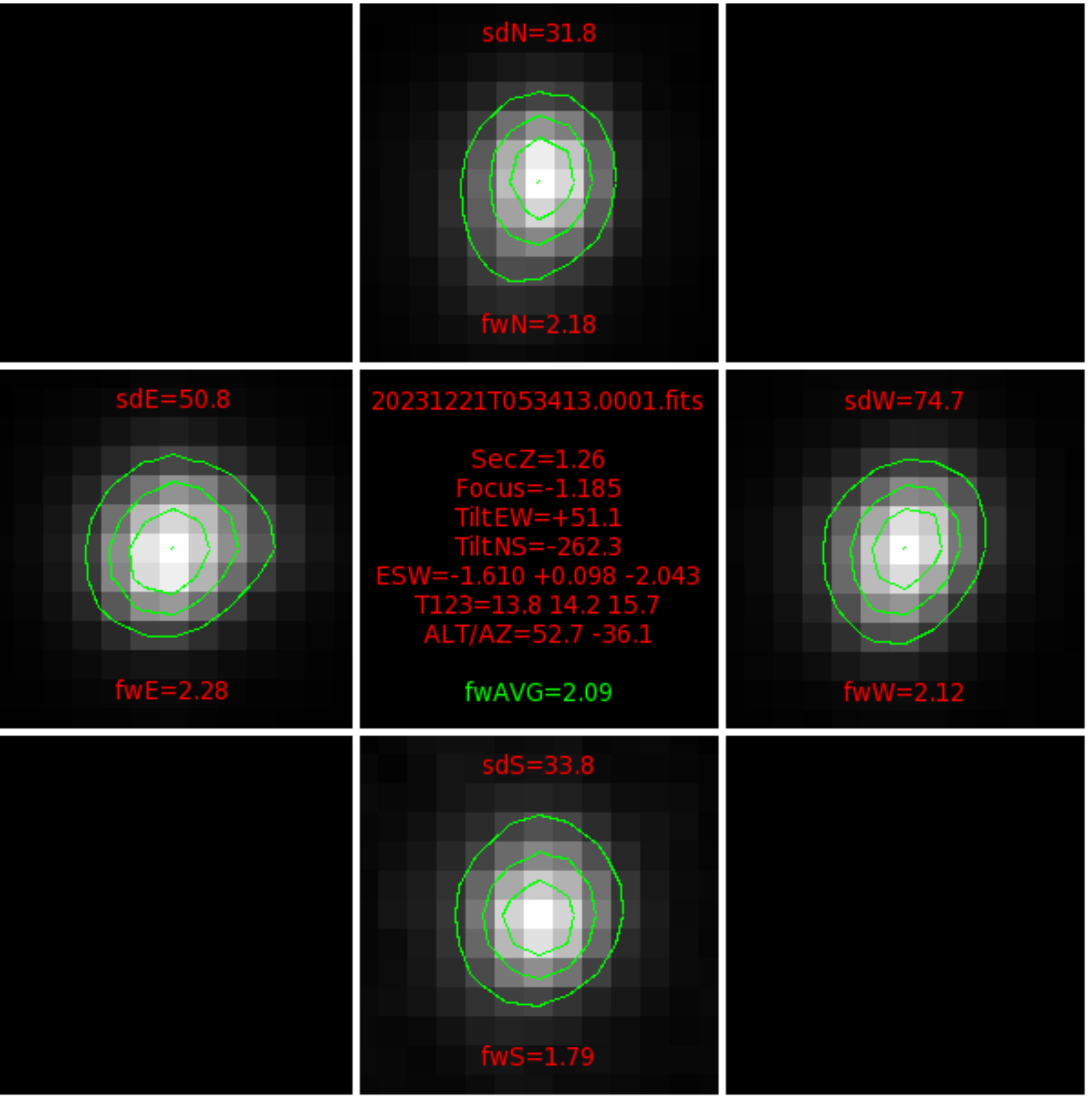
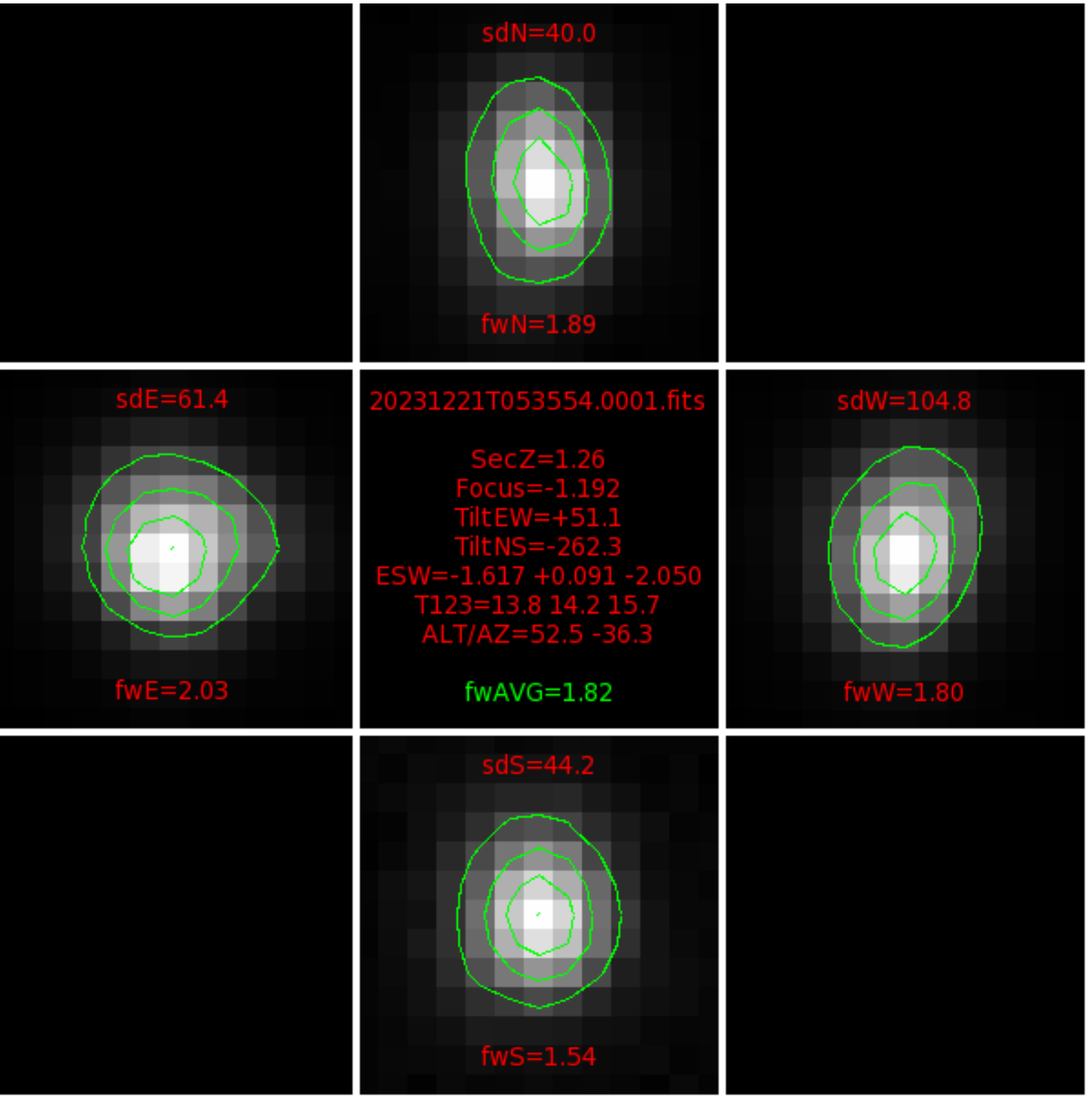
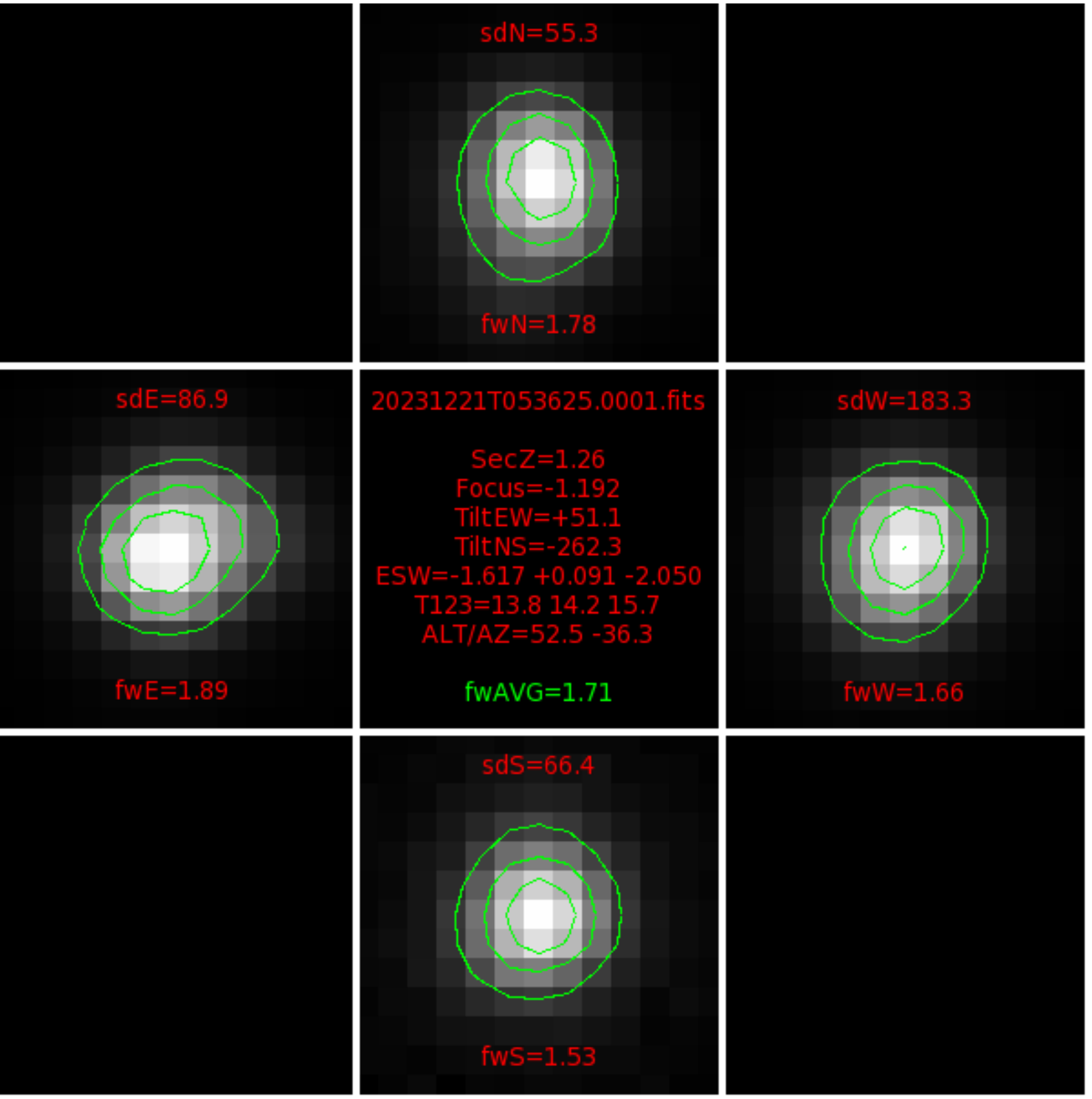
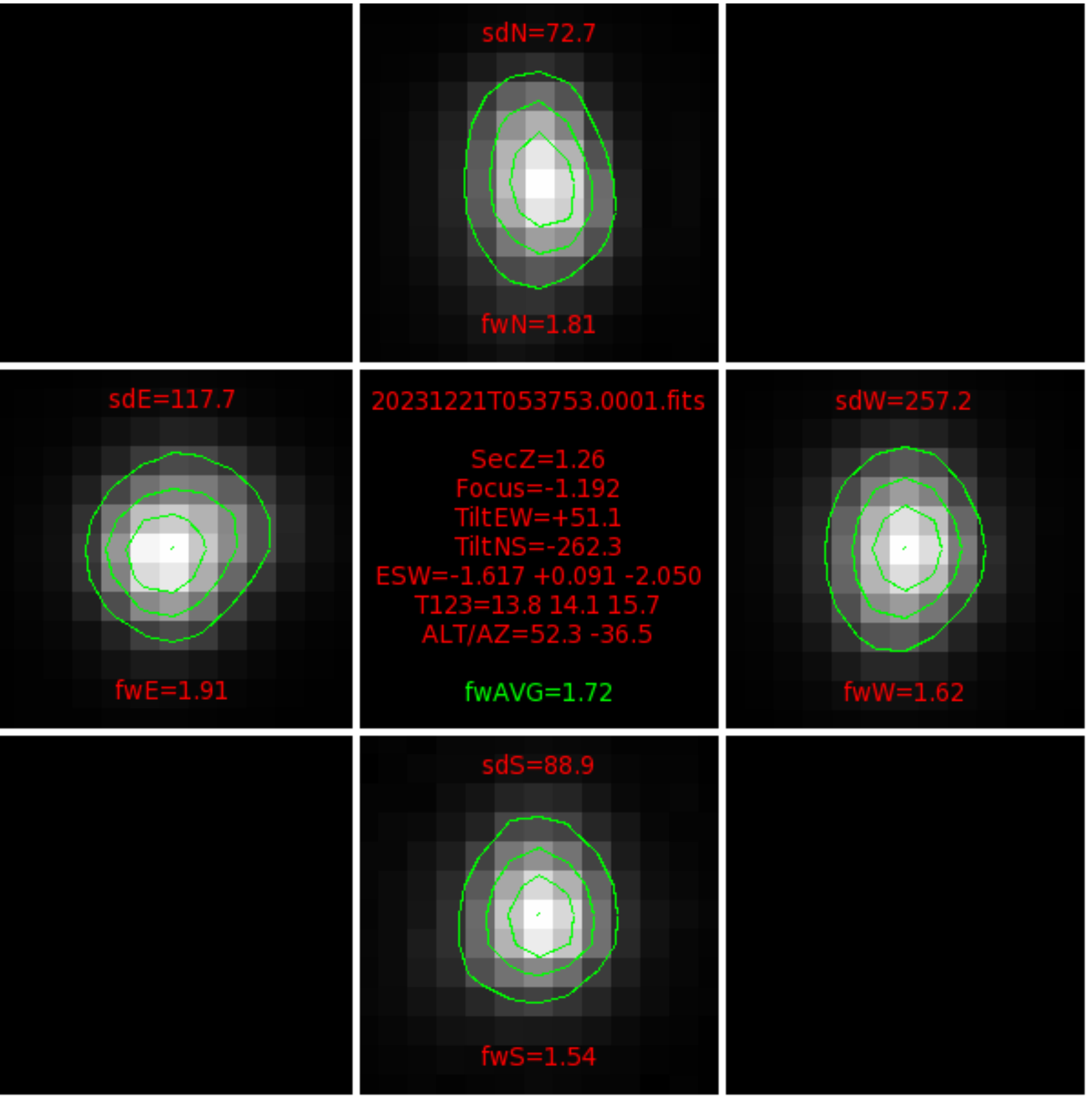

sdN=98.9
fwN=1.86
sdE=40.8
fwE=1.87
20231221T053213.0001.fits
SecZ=1.23
Focus=-1.185
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.610 +0.098 -2.043
T123=13.8 14.2 15.6
ALT/AZ=54.6 -55.5
fwAVG=1.74
sdW=643.8
fwW=1.66
sdS=294.2
fwS=1.56
0 0 0 0 0 0 0 0 0

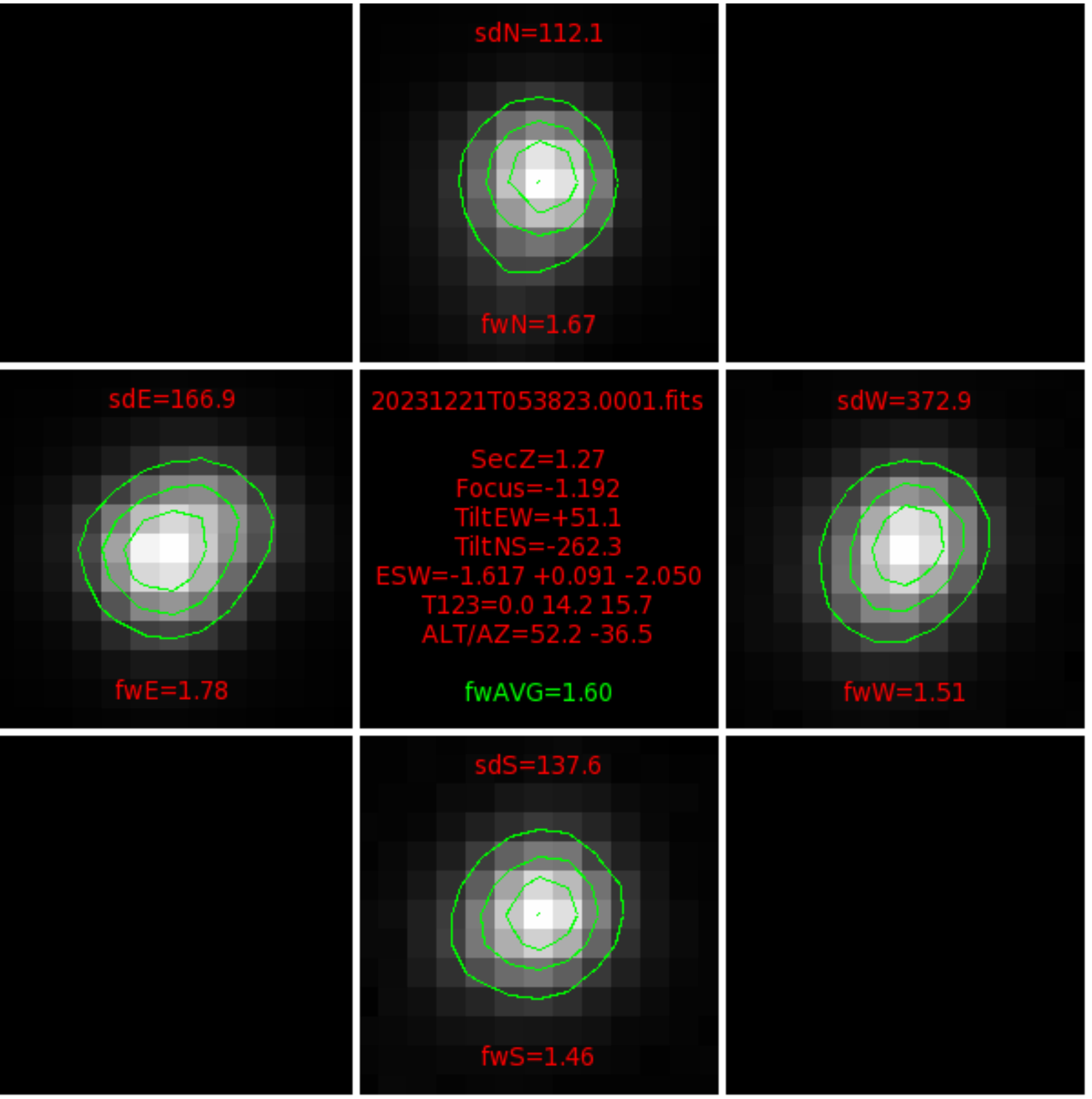

sdN=80.6
fwN=1.68
sdE=36.8
fwE=1.80
20231221T053342.0001.fits
SecZ=1.26
Focus=-1.185
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.610 +0.098 -2.043
T123=13.8 14.2 15.6
ALT/AZ=52.8 -36.0
fwAVG=1.64
sdW=599.9
fwW=1.58
sdS=252.1
fwS=1.52
0 0 0 0 0 0 0 0 0


sdN=31.8
fwN=2.18
sdE=50.8
fwE=2.28
20231221T053413.0001.fits
SecZ=1.26
Focus=-1.185
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.610 +0.098 -2.043
T123=13.8 14.2 15.7
ALT/AZ=52.7 -36.1
fwAVG=2.09
sdW=74.7
fwW=2.12
sdS=33.8
fwS=1.79
0 0 0 0 0 0 0 0 0


sdN=40.0
fwN=1.89
sdE=61.4
fwE=2.03
20231221T053554.0001.fits
SecZ=1.26
Focus=-1.192
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.617 +0.091 -2.050
T123=13.8 14.2 15.7
ALT/AZ=52.5 -36.3
fwAVG=1.82
sdW=104.8
fwW=1.80
sdS=44.2
fwS=1.54
0 0 0 0 0 0 0 0 0


sdN=55.3
fwN=1.78
sdE=86.9
fwE=1.89
20231221T053625.0001.fits
SecZ=1.26
Focus=-1.192
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.617 +0.091 -2.050
T123=13.8 14.2 15.7
ALT/AZ=52.5 -36.3
fwAVG=1.71
sdW=183.3
fwW=1.66
sdS=66.4
fwS=1.53
0 0 0 0 0 0 0 0 0


sdN=72.7
fwN=1.81
sdE=117.7
fwE=1.91
20231221T053753.0001.fits
SecZ=1.26
Focus=-1.192
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.617 +0.091 -2.050
T123=13.8 14.1 15.7
ALT/AZ=52.3 -36.5
fwAVG=1.72
sdW=257.2
fwW=1.62
sdS=88.9
fwS=1.54
0 0 0 0 0 0 0 0 0


sdN=112.1
fwN=1.67
sdE=166.9
fwE=1.78
20231221T053823.0001.fits
SecZ=1.27
Focus=-1.192
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.617 +0.091 -2.050
T123=0.0 14.2 15.7
ALT/AZ=52.2 -36.5
fwAVG=1.60
sdW=372.9
fwW=1.51
sdS=137.6
fwS=1.46
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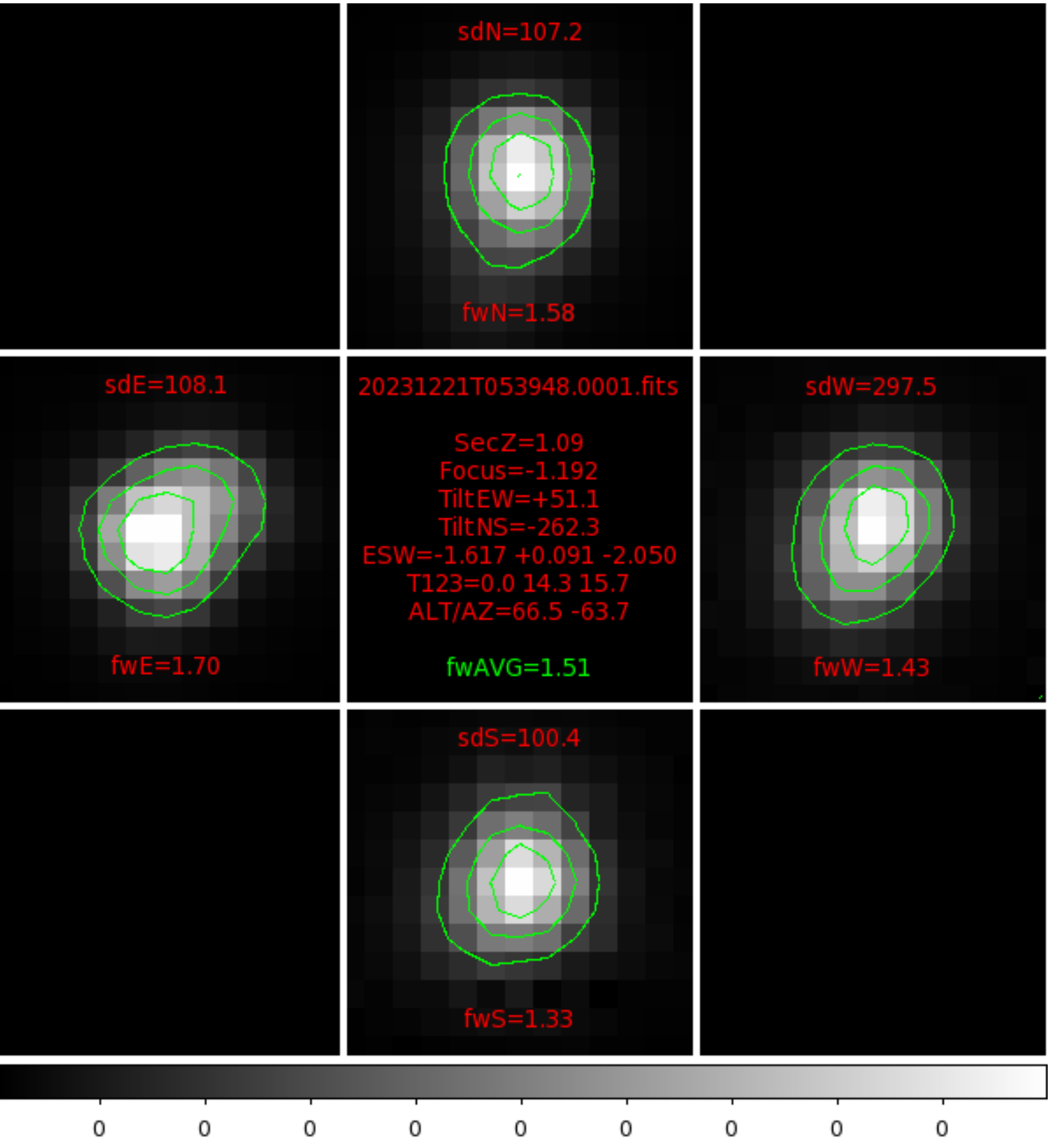
sdN=107.2
fwN=1.58
sdE=108.1
fwE=1.70
20231221T053948.0001.fits
SecZ=1.09
Focus=-1.192
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.617 +0.091 -2.050
T123=0.0 14.3 15.7
ALT/AZ=66.5 -63.7
fwAVG=1.51
sdW=297.5
fwW=1.43
sdS=100.4
fwS=1.33
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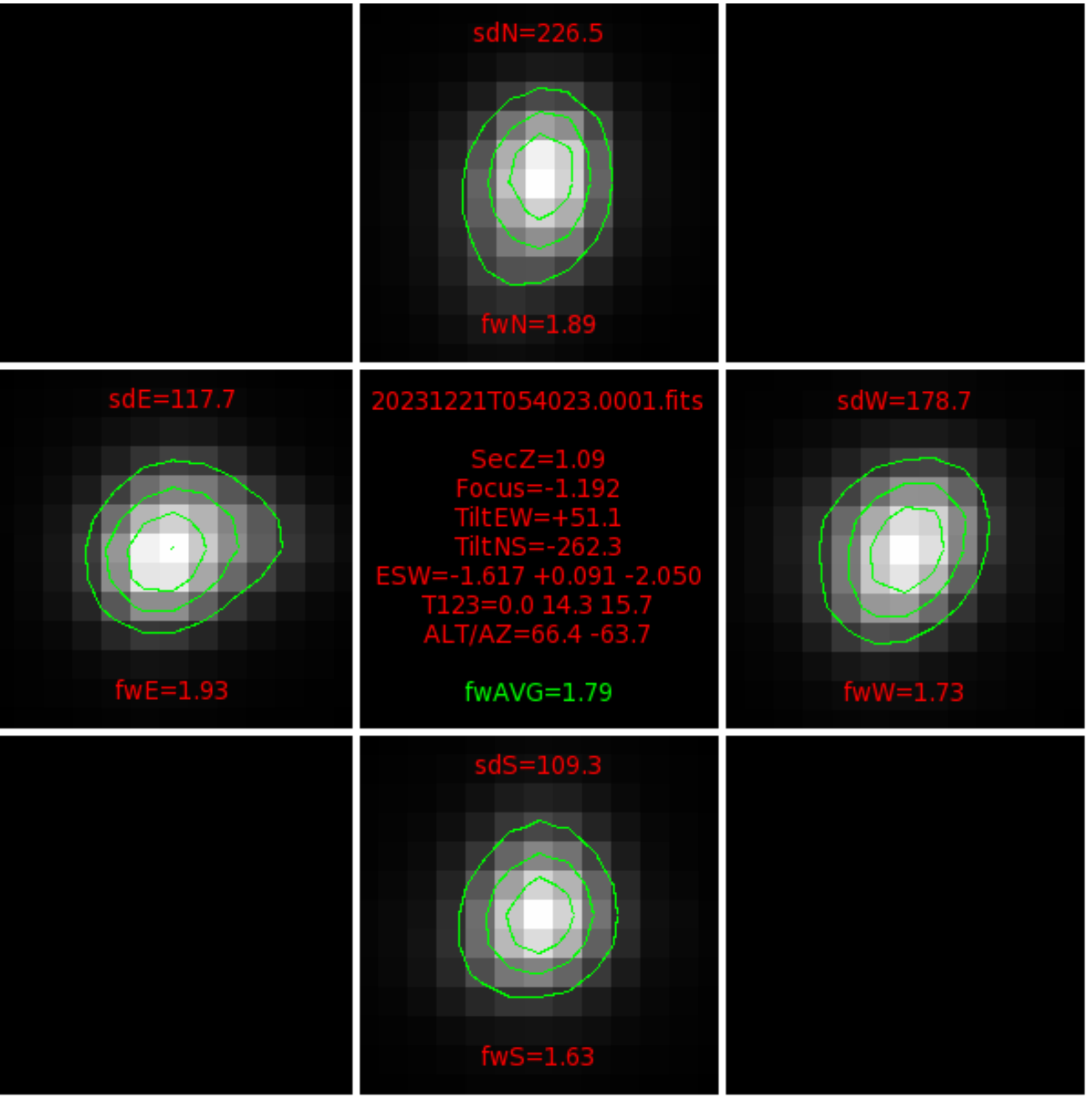
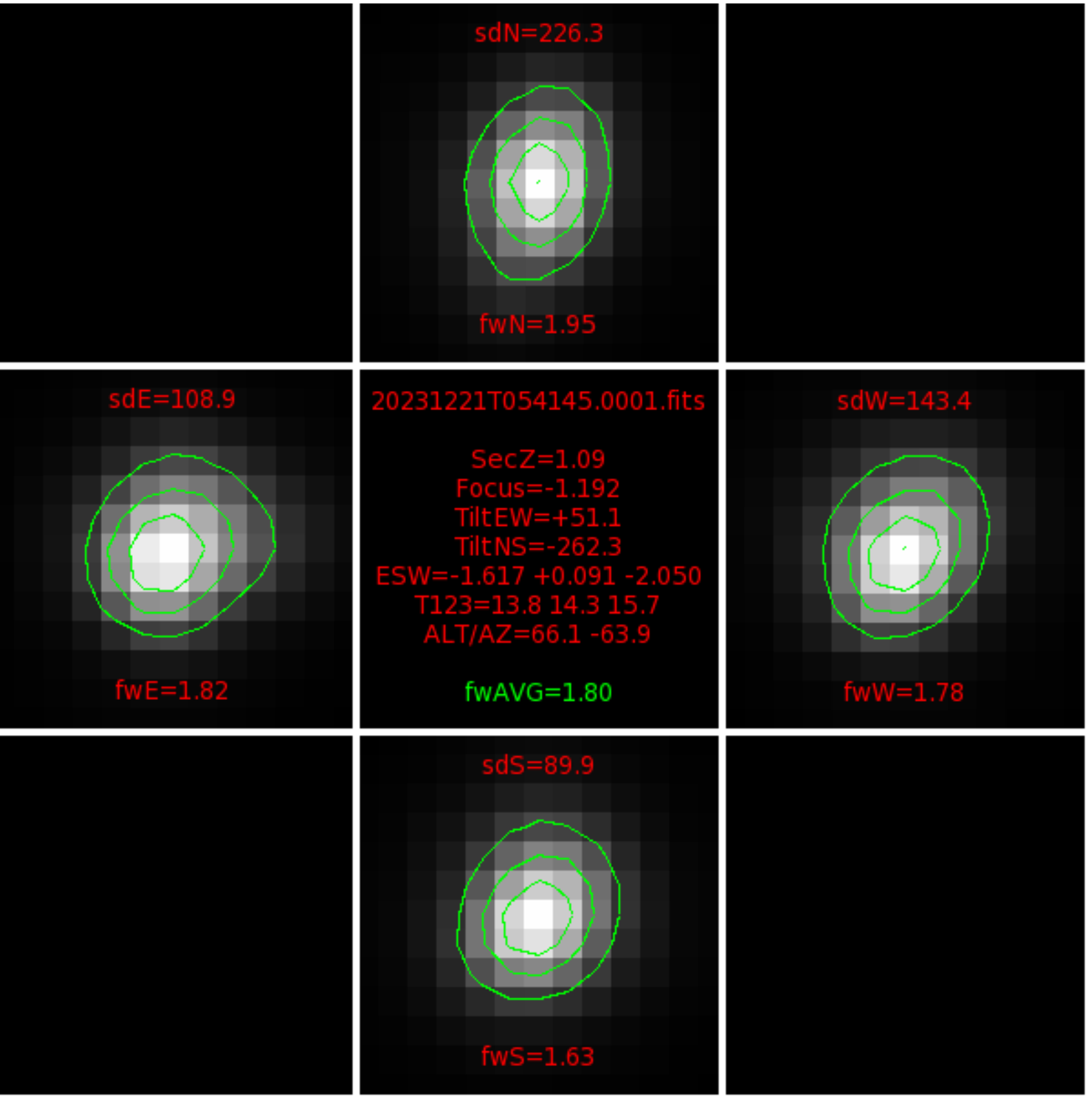

sdN=226.5
fwN=1.89
sdE=117.7
fwE=1.93
20231221T054023.0001.fits
SecZ=1.09
Focus=-1.192
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.617 +0.091 -2.050
T123=0.0 14.3 15.7
ALT/AZ=66.4 -63.7
fwAVG=1.79
sdW=178.7
fwW=1.73
sdS=109.3
fwS=1.63
0 0 0 0 0 0 0 0 0


sdN=226.3
fwN=1.95
sdE=108.9
fwE=1.82
20231221T054145.0001.fits
SecZ=1.09
Focus=-1.192
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.617 +0.091 -2.050
T123=13.8 14.3 15.7
ALT/AZ=66.1 -63.9
fwAVG=1.80
sdW=143.4
fwW=1.78
sdS=89.9
fwS=1.63
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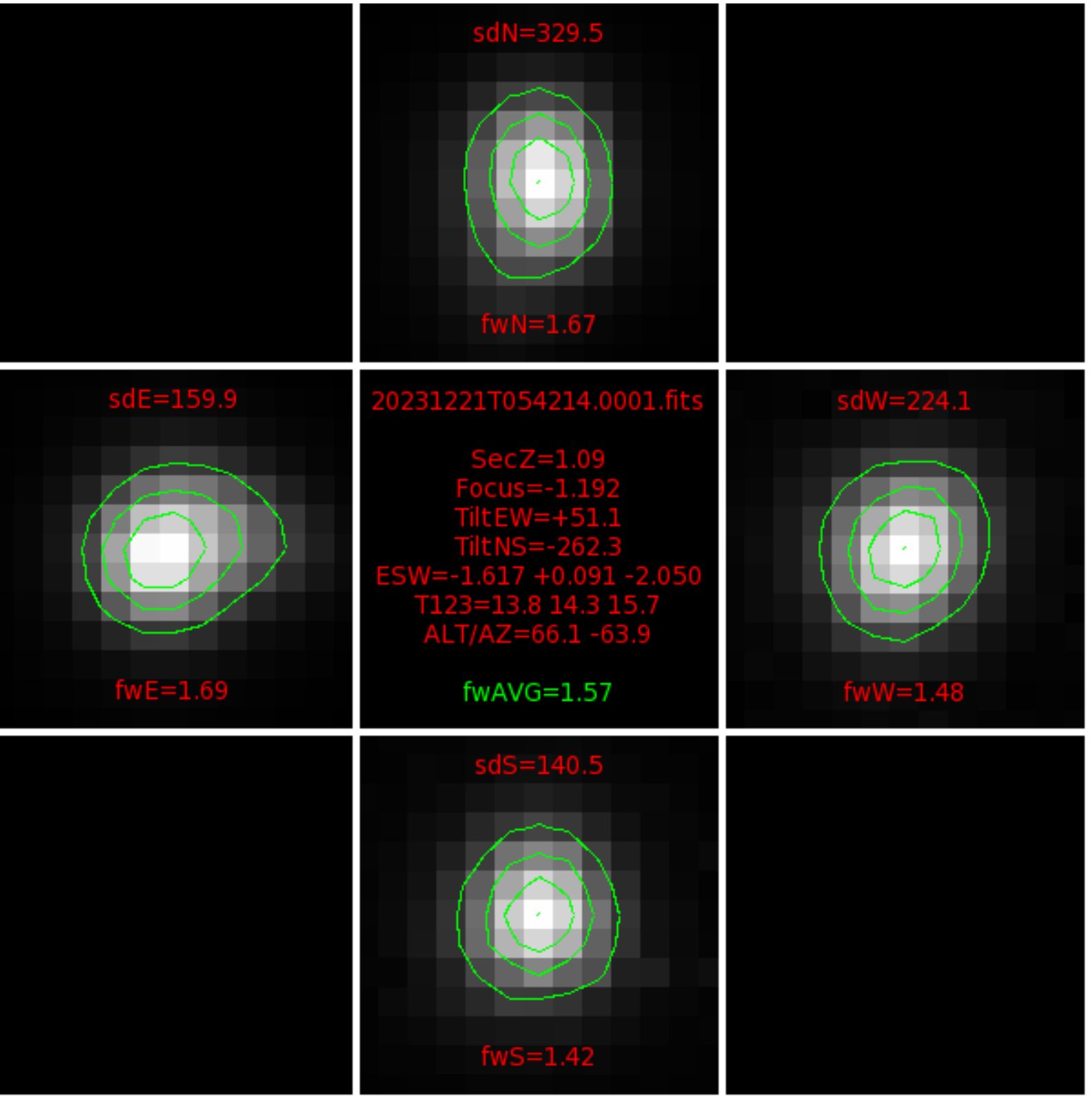
sdN=329.5
fwN=1.67
sdE=159.9
fwE=1.69
20231221T054214.0001.fits
SecZ=1.09
Focus=-1.192
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.617 +0.091 -2.050
T123=13.8 14.3 15.7
ALT/AZ=66.1 -63.9
fwAVG=1.57
sdW=224.1
fwW=1.48
sdS=140.5
fwS=1.42
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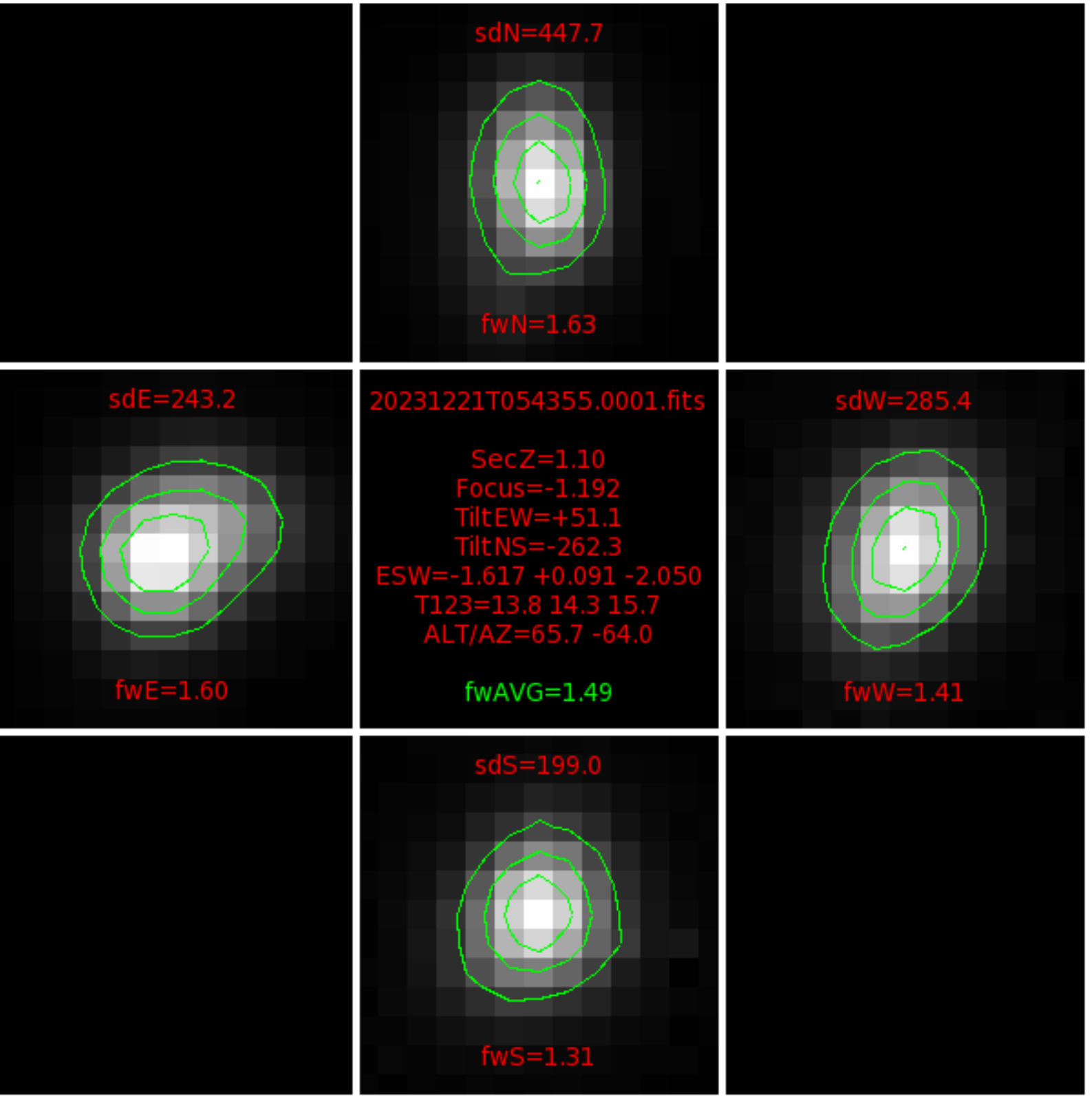
sdN=447.7
fwN=1.63
sdE=243.2
fwE=1.60
20231221T054355.0001.fits
SecZ=1.10
Focus=-1.192
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.617 +0.091 -2.050
T123=13.8 14.3 15.7
ALT/AZ=65.7 -64.0
fwAVG=1.49
sdW=285.4
fwW=1.41
sdS=199.0
fwS=1.31
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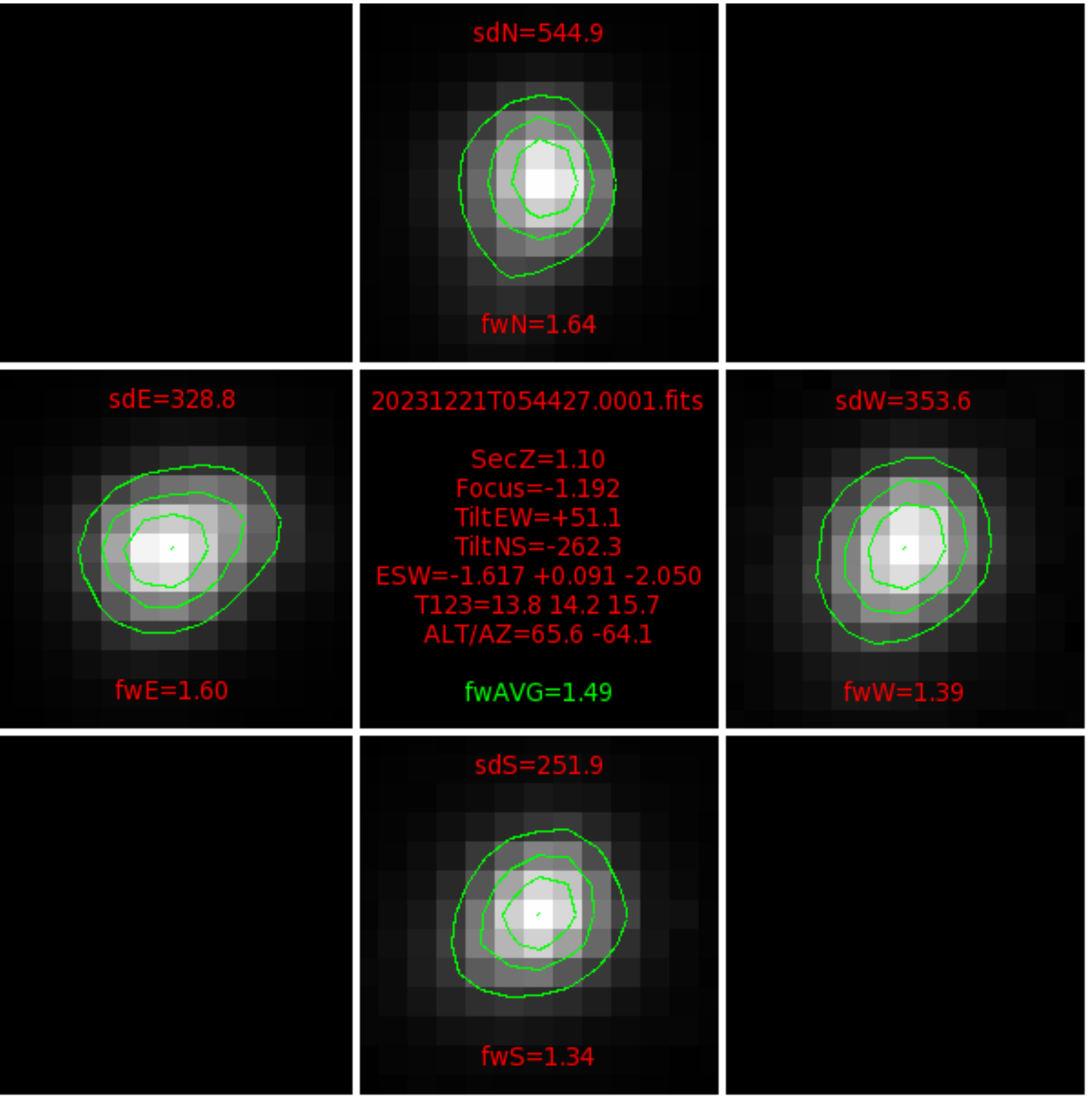
sdN=544.9
fwN=1.64
sdE=328.8
fwE=1.60
20231221T054427.0001.fits
SecZ=1.10
Focus=-1.192
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.617 +0.091 -2.050
T123=13.8 14.2 15.7
ALT/AZ=65.6 -64.1
fwAVG=1.49
sdW=353.6
fwW=1.39
sdS=251.9
fwS=1.34
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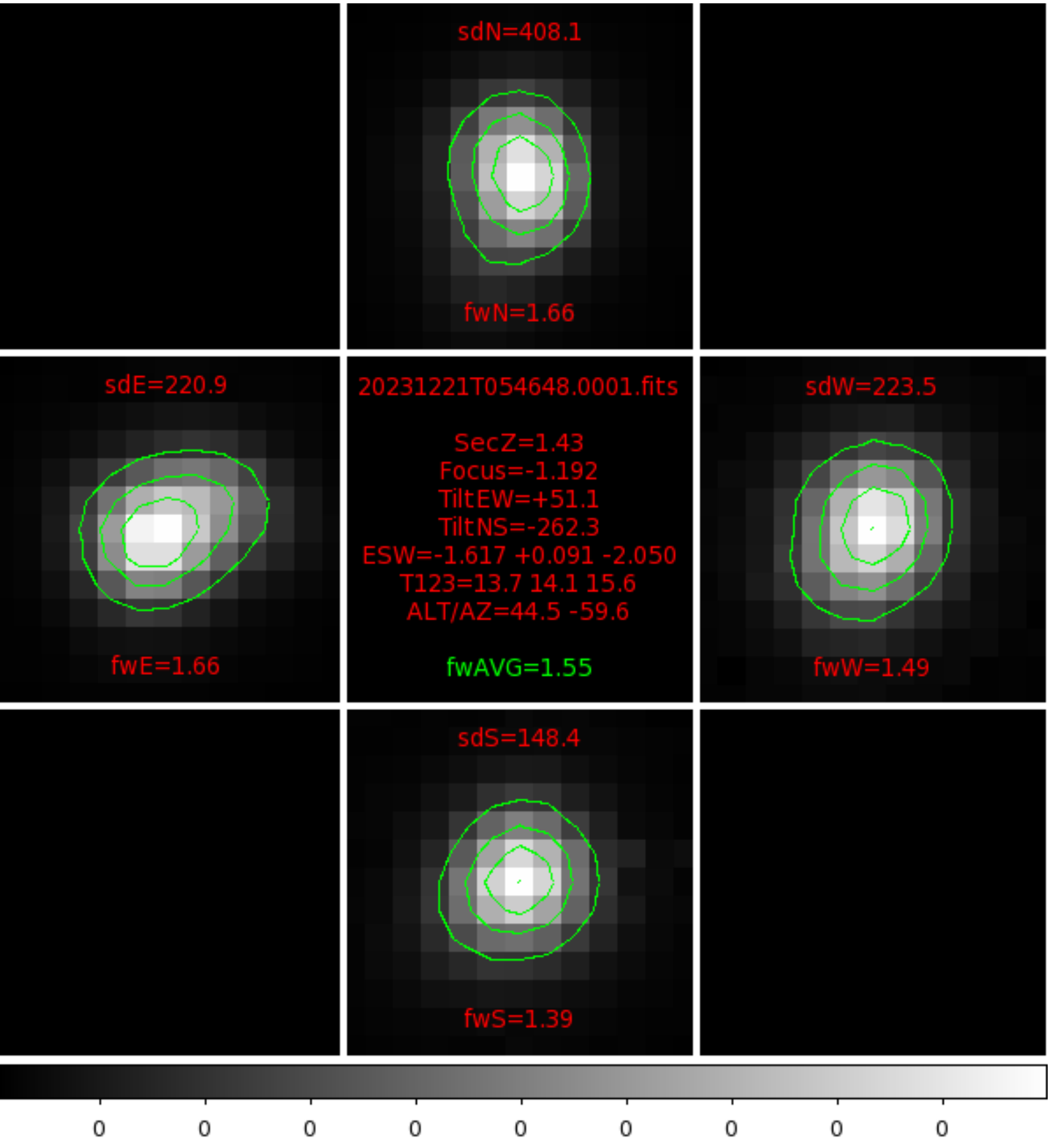
sdN=408.1
fwN=1.66
sdE=220.9
fwE=1.66
20231221T054648.0001.fits
SecZ=1.43
Focus=-1.192
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.617 +0.091 -2.050
T123=13.7 14.1 15.6
ALT/AZ=44.5 -59.6
fwAVG=1.55
sdW=223.5
fwW=1.49
sdS=148.4
fwS=1.39
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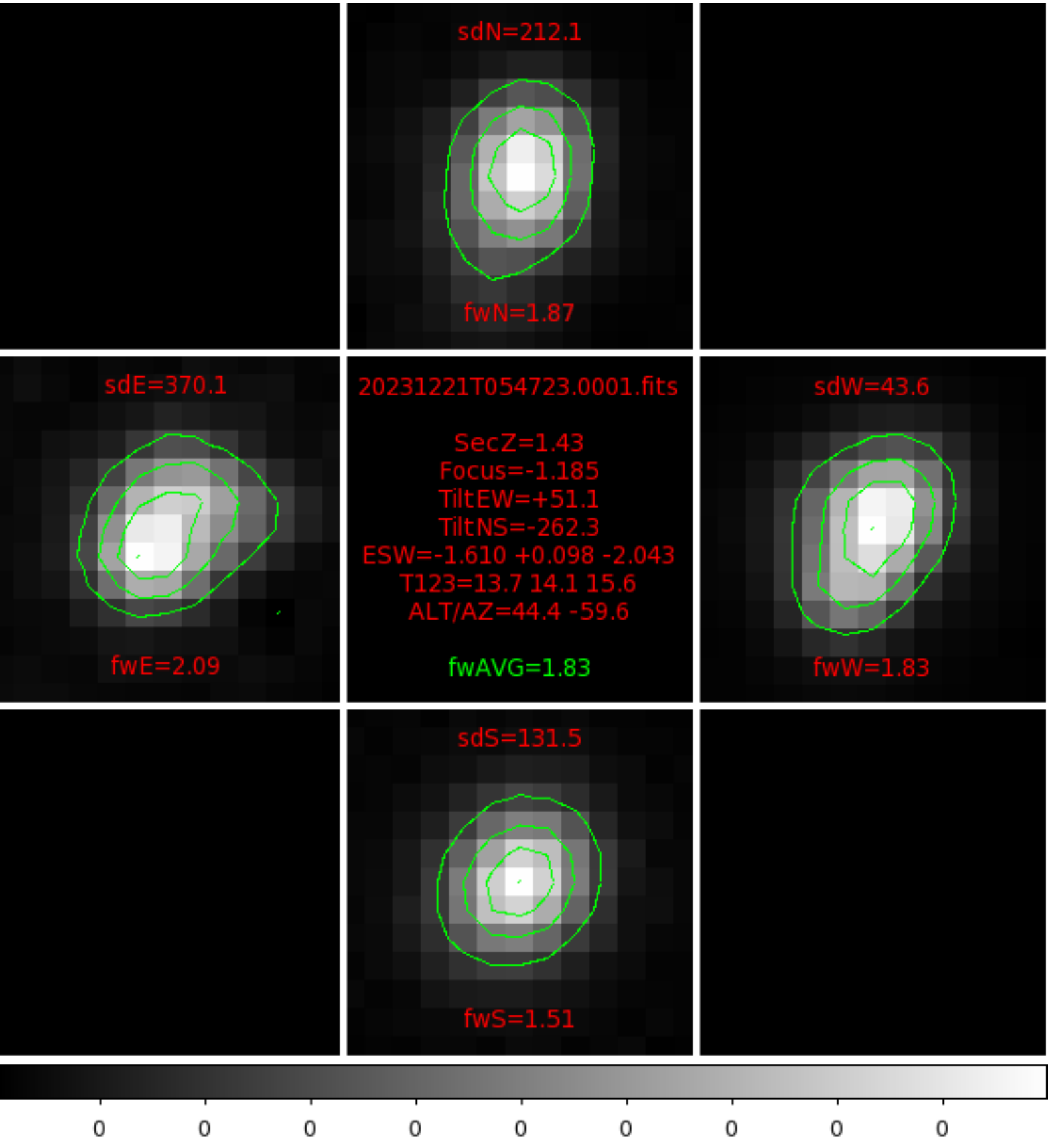
sdN=212.1
fwN=1.87
sdE=370.1
fwE=2.09
20231221T054723.0001.fits
SecZ=1.43
Focus=-1.185
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.610 +0.098 -2.043
T123=13.7 14.1 15.6
ALT/AZ=44.4 -59.6
fwAVG=1.83
sdW=43.6
fwW=1.83
sdS=131.5
fwS=1.51
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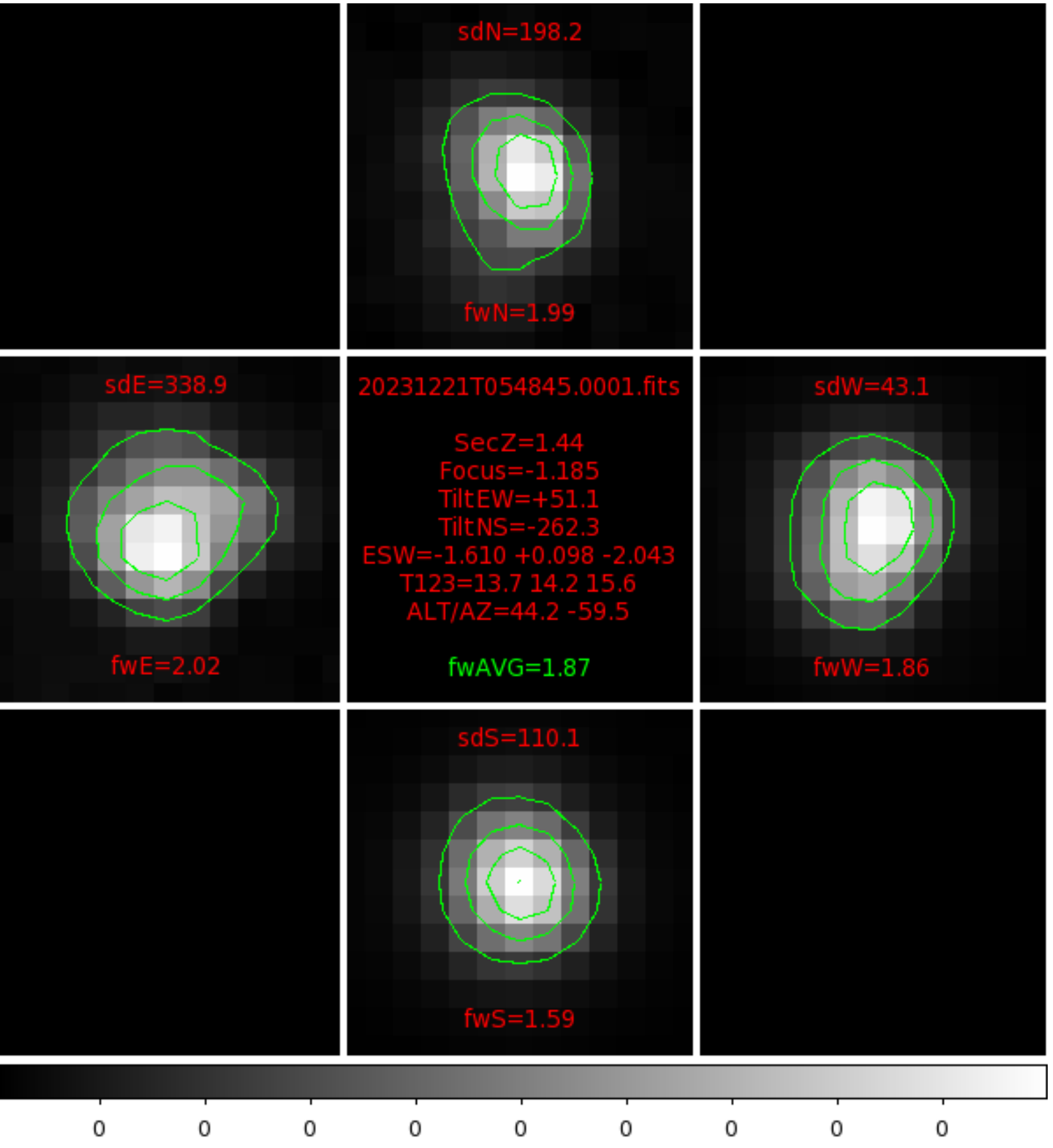
sdN=198.2
fwN=1.99
sdE=338.9
fwE=2.02
20231221T054845.0001.fits
SecZ=1.44
Focus=-1.185
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.610 +0.098 -2.043
T123=13.7 14.2 15.6
ALT/AZ=44.2 -59.5
fwAVG=1.87
sdW=43.1
fwW=1.86
sdS=110.1
fwS=1.59
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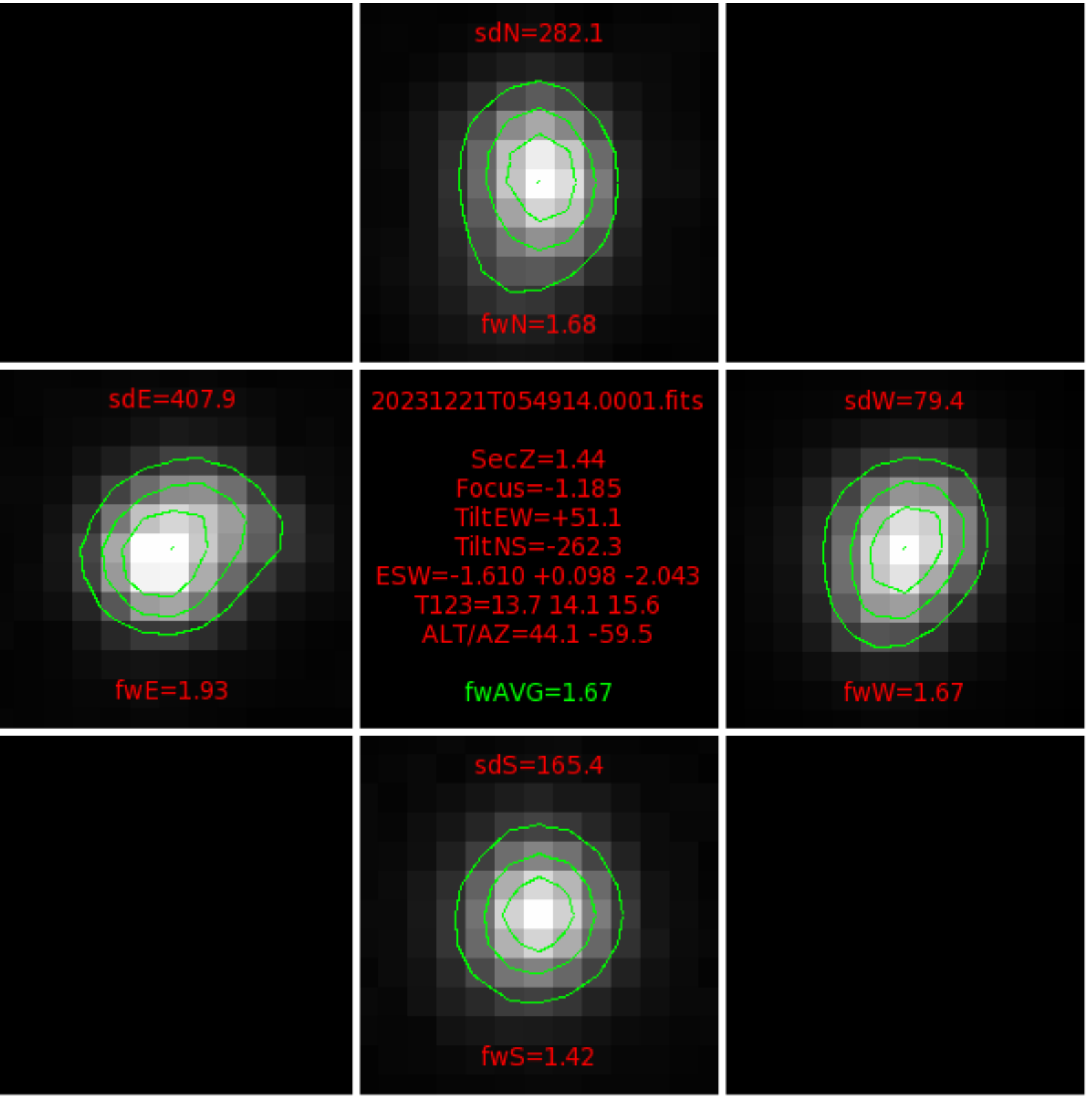
sdN=282.1
fwN=1.68
sdE=407.9
fwE=1.93
20231221T054914.0001.fits
SecZ=1.44
Focus=-1.185
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.610 +0.098 -2.043
T123=13.7 14.1 15.6
ALT/AZ=44.1 -59.5
fwAVG=1.67
sdW=79.4
fwW=1.67
sdS=165.4
fwS=1.42
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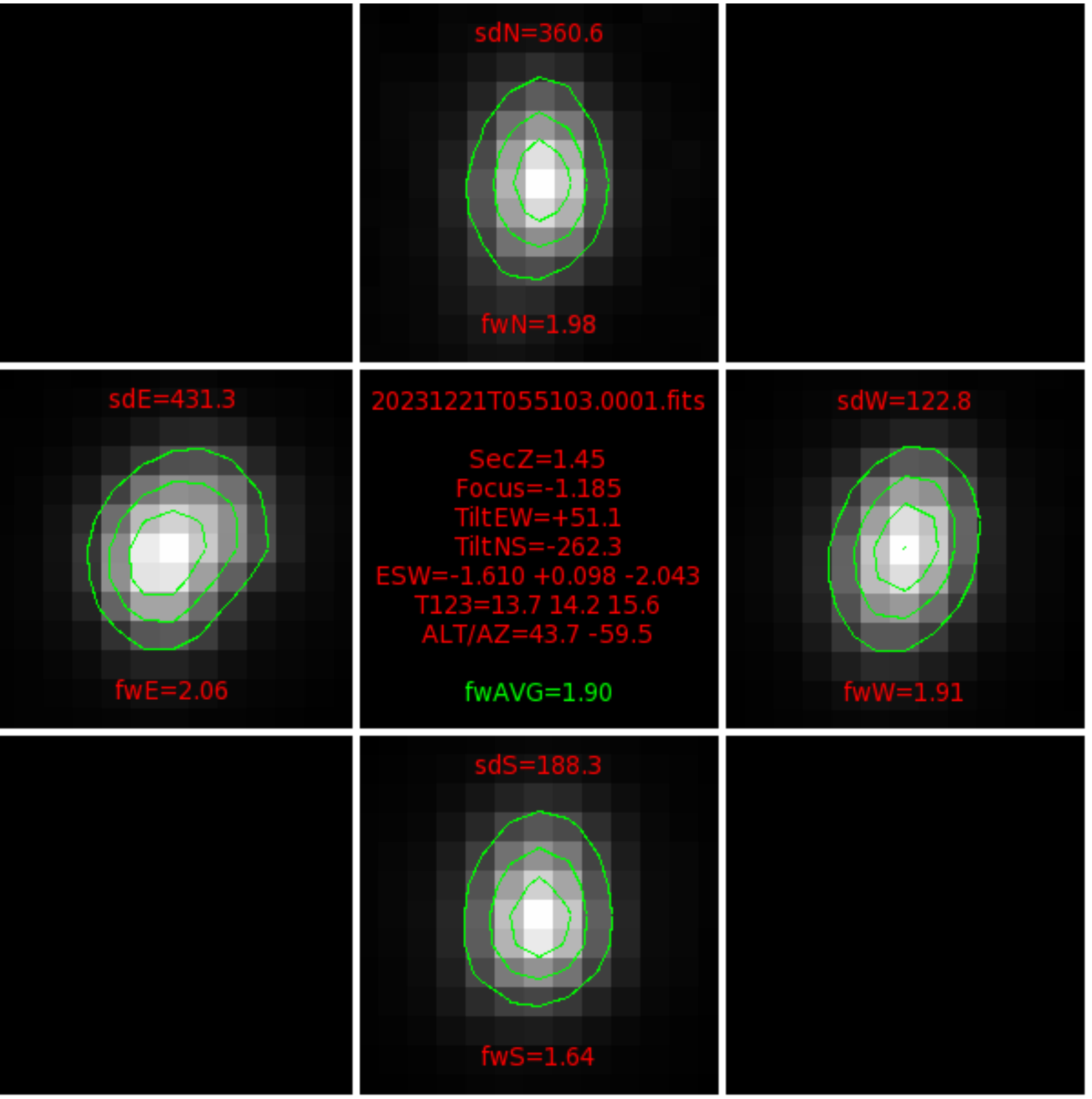
sdN=360.6
fwN=1.98
sdE=431.3
fwE=2.06
20231221T055103.0001.fits
SecZ=1.45
Focus=-1.185
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.610 +0.098 -2.043
T123=13.7 14.2 15.6
ALT/AZ=43.7 -59.5
fwAVG=1.90
sdW=122.8
fwW=1.91
sdS=188.3
fwS=1.64
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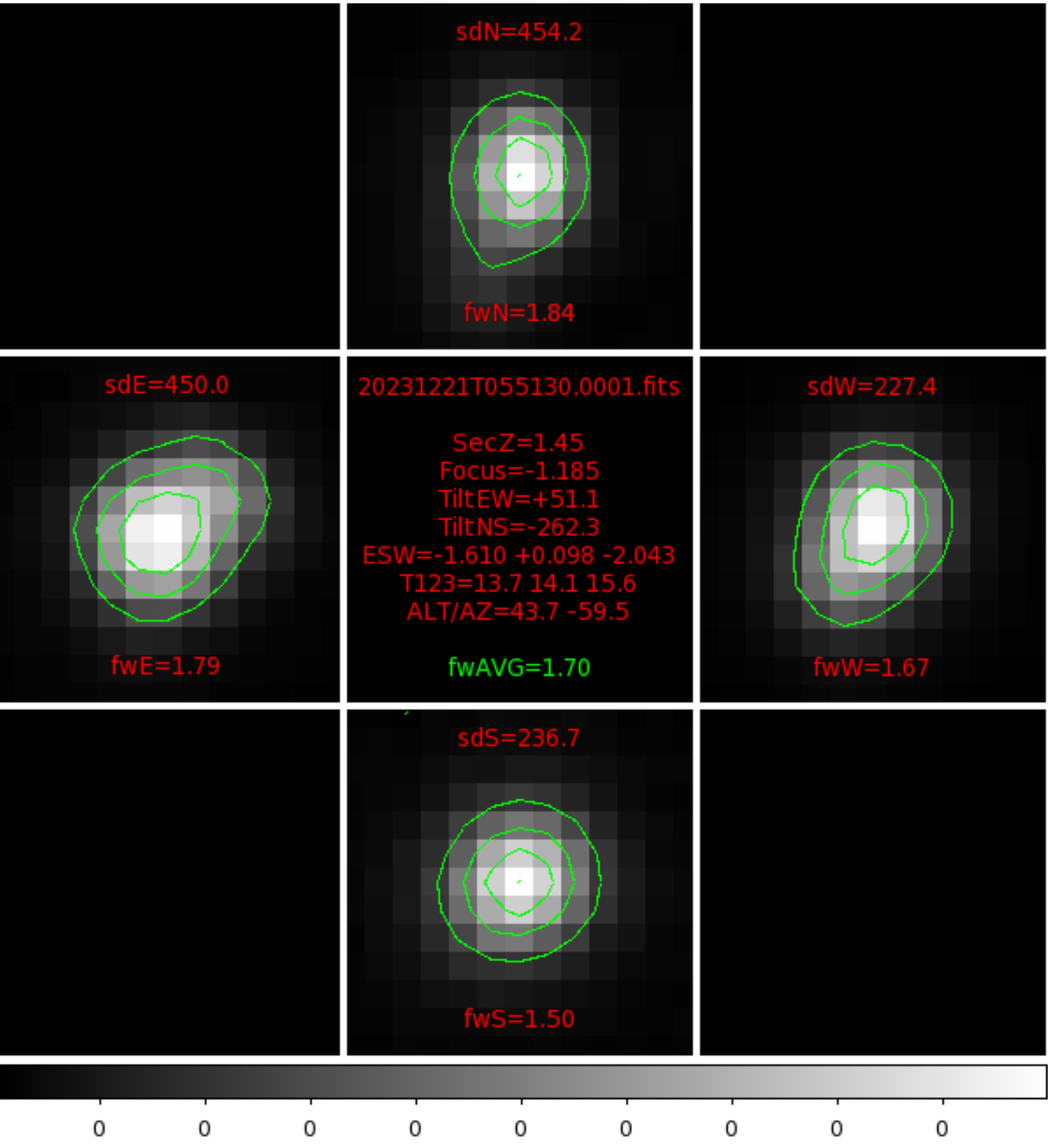
sdN=454.2
fwN=1.84
sdE=450.0
fwE=1.79
20231221T055130.0001.fits
SecZ=1.45
Focus=-1.185
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.610 +0.098 -2.043
T123=13.7 14.1 15.6
ALT/AZ=43.7 -59.5
fwAVG=1.70
sdW=227.4
fwW=1.67
sdS=236.7
fwS=1.50
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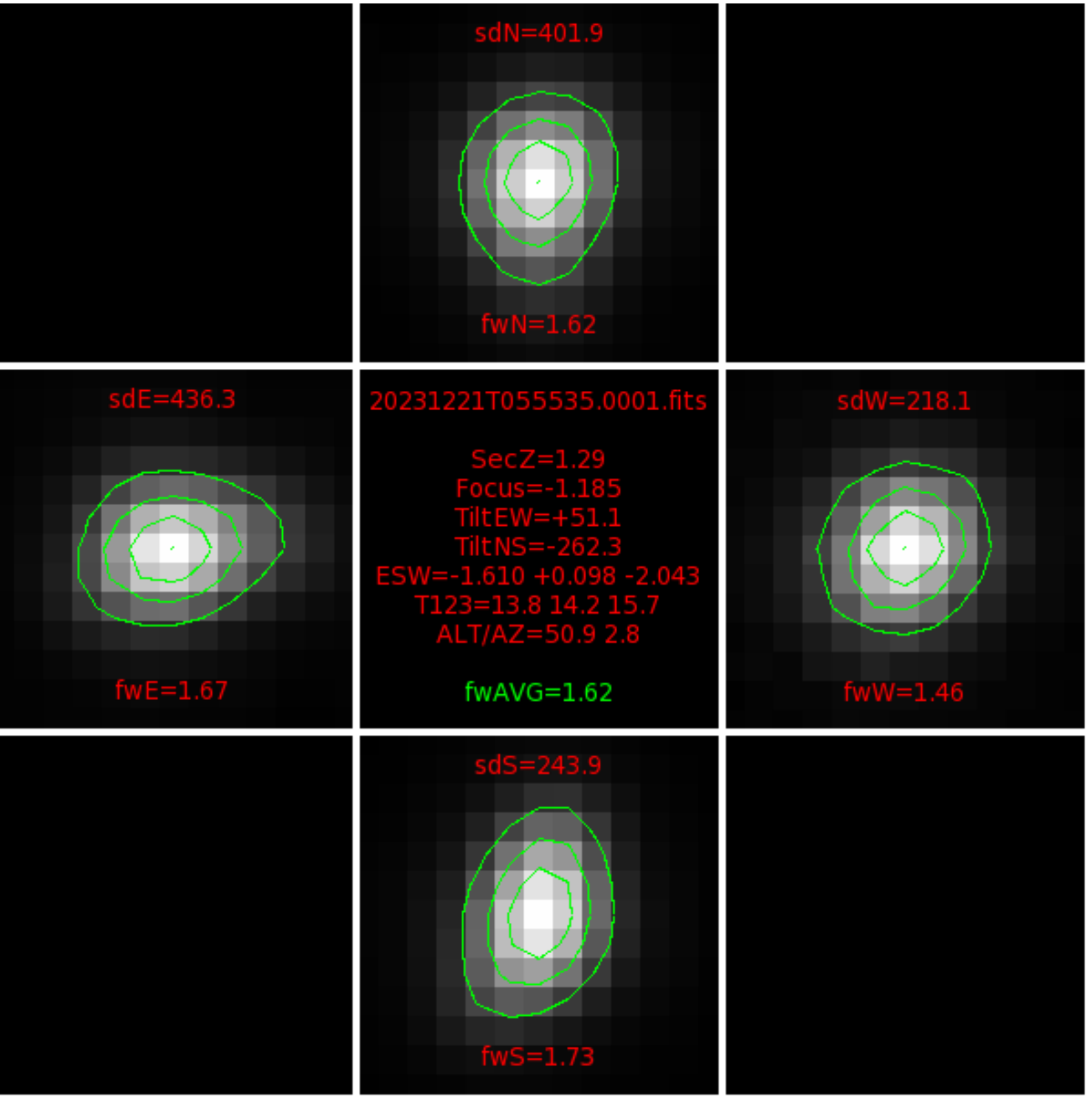
sdN=401.9
fwN=1.62
sdE=436.3
fwE=1.67
20231221T055535.0001.fits
SecZ=1.29
Focus=-1.185
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.610 +0.098 -2.043
T123=13.8 14.2 15.7
ALT/AZ=50.9 2.8
fwAVG=1.62
sdW=218.1
fwW=1.46
sdS=243.9
fwS=1.73
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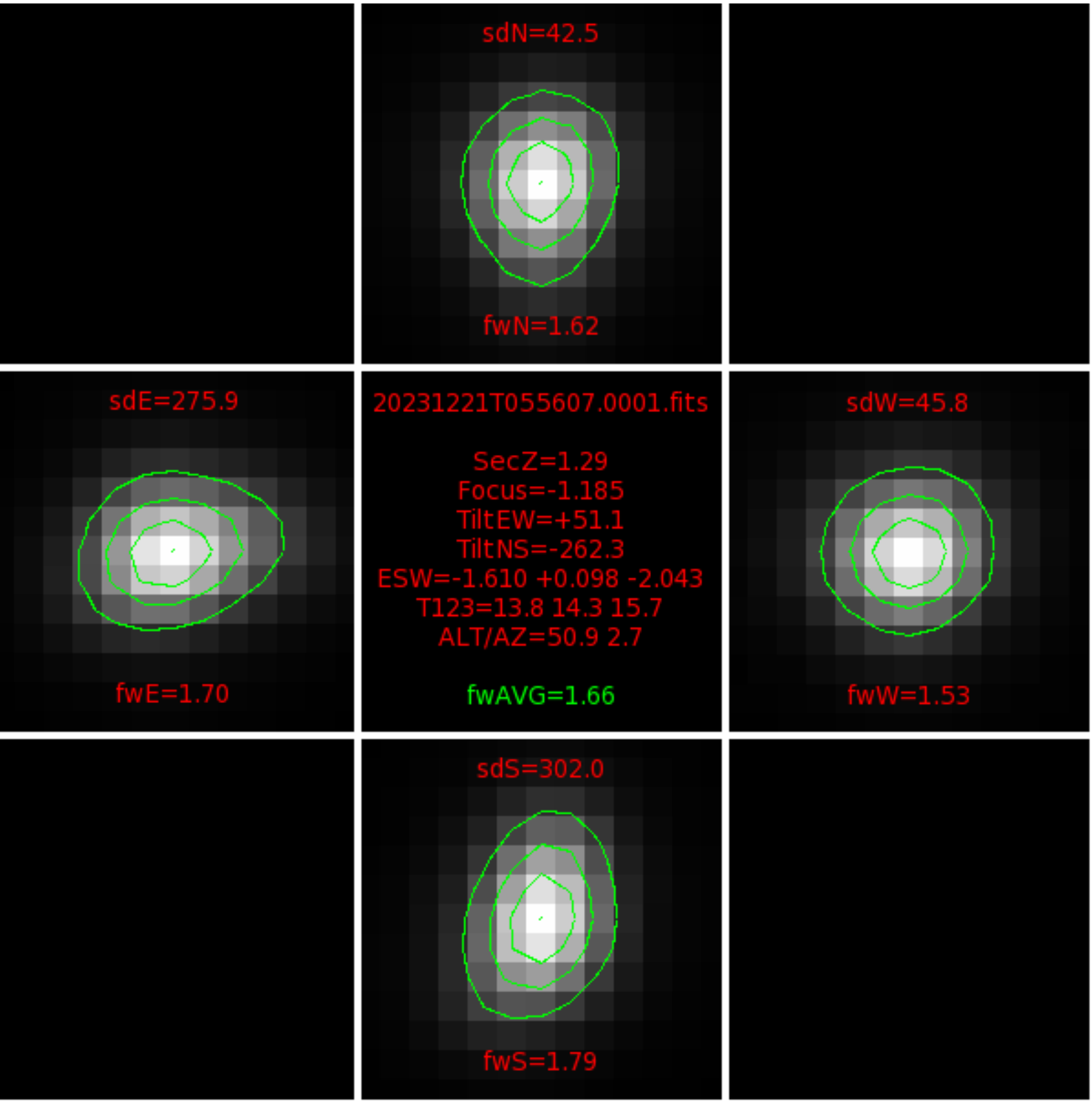
sdN=42.5
fwN=1.62
sdE=275.9
fwE=1.70
20231221T055607.0001.fits
SecZ=1.29
Focus=-1.185
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.610 +0.098 -2.043
T123=13.8 14.3 15.7
ALT/AZ=50.9 2.7
fwAVG=1.66
sdW=45.8
fwW=1.53
sdS=302.0
fwS=1.79
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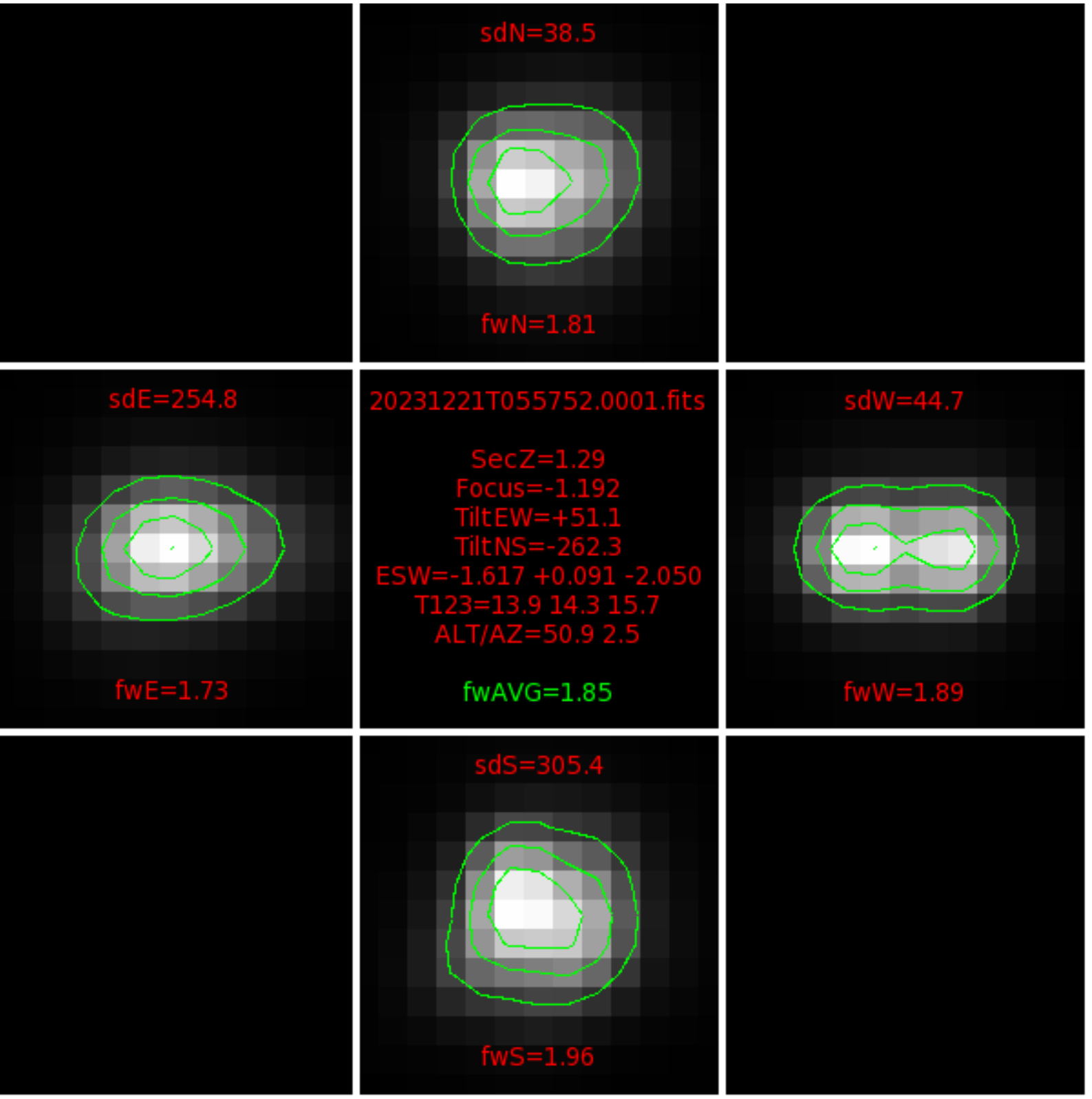
sdN=38.5
fwN=1.81
sdE=254.8
fwE=1.73
20231221T055752.0001.fits
SecZ=1.29
Focus=-1.192
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.617 +0.091 -2.050
T123=13.9 14.3 15.7
ALT/AZ=50.9 2.5
fwAVG=1.85
sdW=44.7
fwW=1.89
sdS=305.4
fwS=1.96
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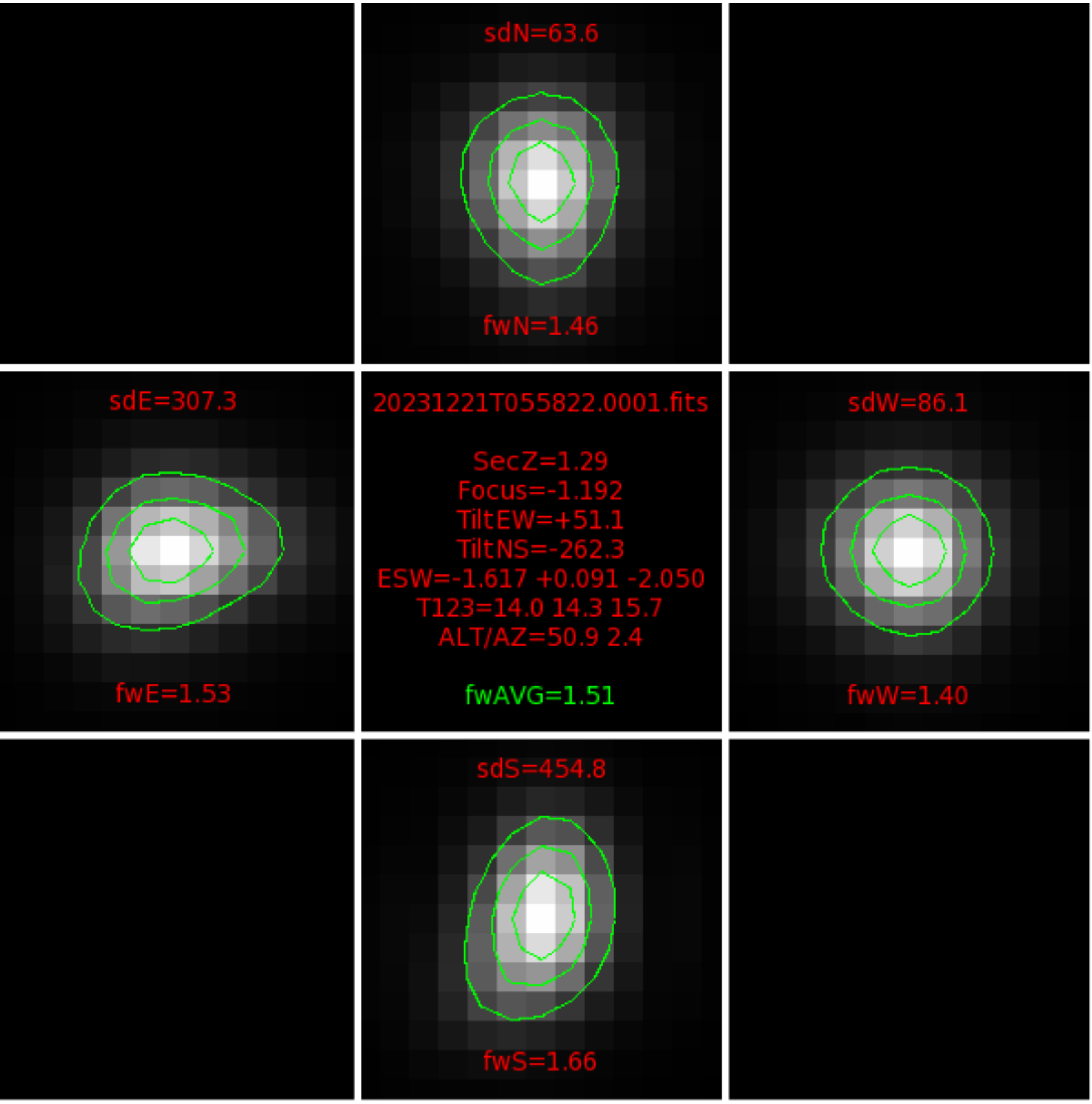
sdN=63.6
fwN=1.46
sdE=307.3
fwE=1.53
20231221T055822.0001.fits
SecZ=1.29
Focus=-1.192
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.617 +0.091 -2.050
T123=14.0 14.3 15.7
ALT/AZ=50.9 2.4
fwAVG=1.51
sdW=86.1
fwW=1.40
sdS=454.8
fwS=1.66
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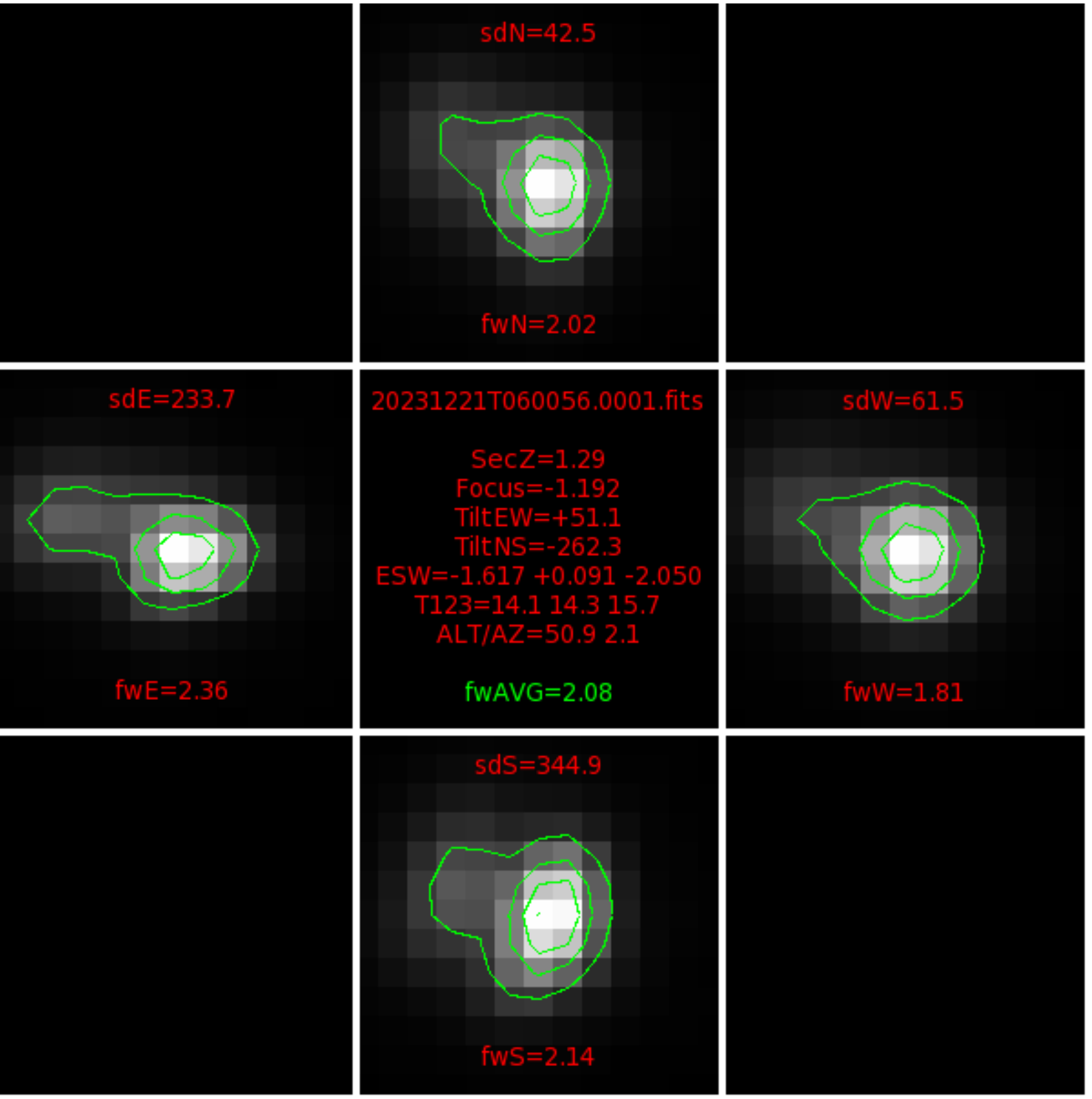
sdN=42.5
fwN=2.02
sdE=233.7
fwE=2.36
20231221T060056.0001.fits
SecZ=1.29
Focus=-1.192
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.617 +0.091 -2.050
T123=14.1 14.3 15.7
ALT/AZ=50.9 2.1
fwAVG=2.08
sdW=61.5
fwW=1.81
sdS=344.9
fwS=2.14
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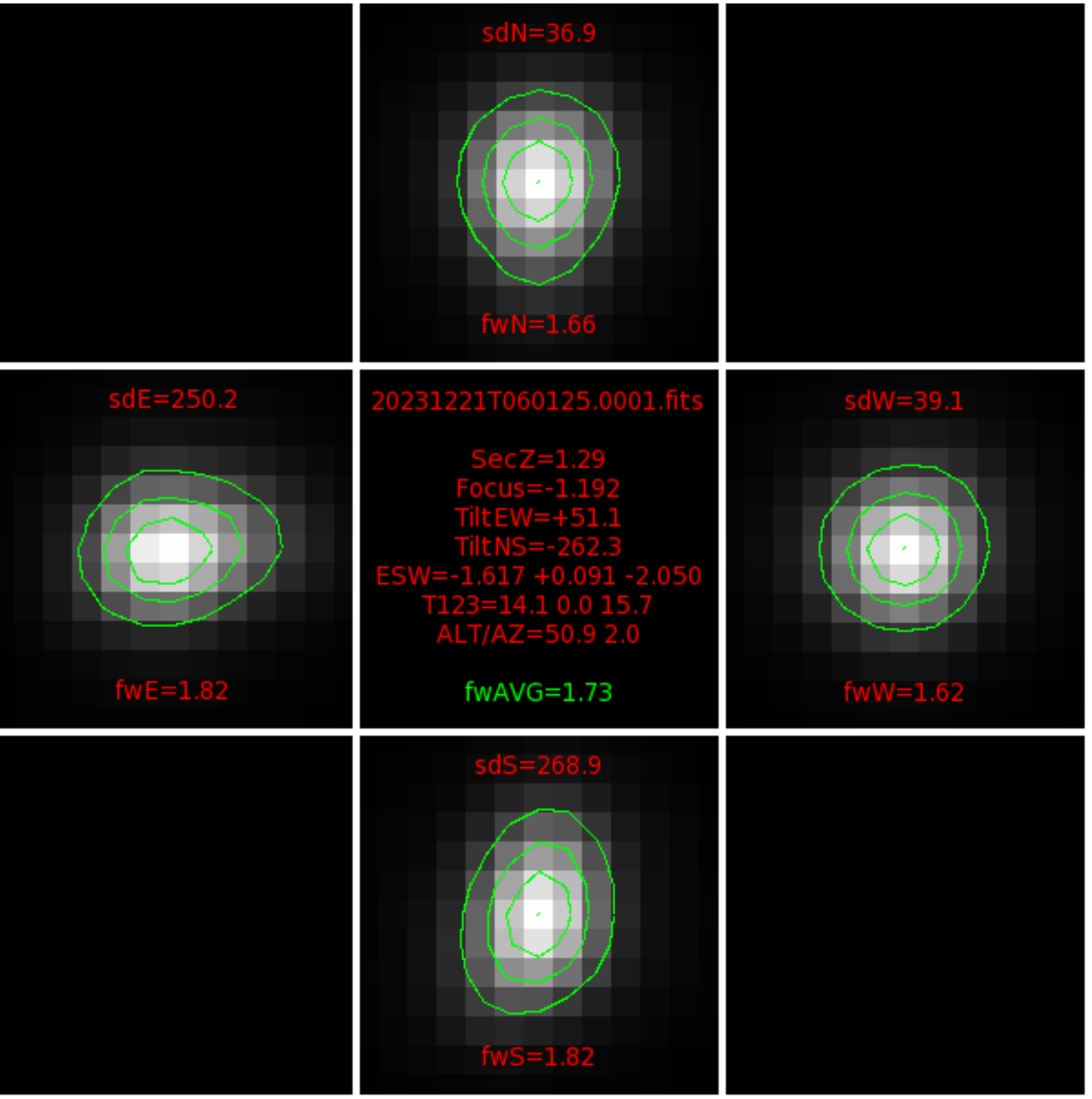
sdN=36.9
fwN=1.66
sdE=250.2
fwE=1.82
20231221T060125.0001.fits
SecZ=1.29
Focus=-1.192
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.617 +0.091 -2.050
T123=14.1 0.0 15.7
ALT/AZ=50.9 2.0
fwAVG=1.73
sdW=39.1
fwW=1.62
sdS=268.9
fwS=1.82
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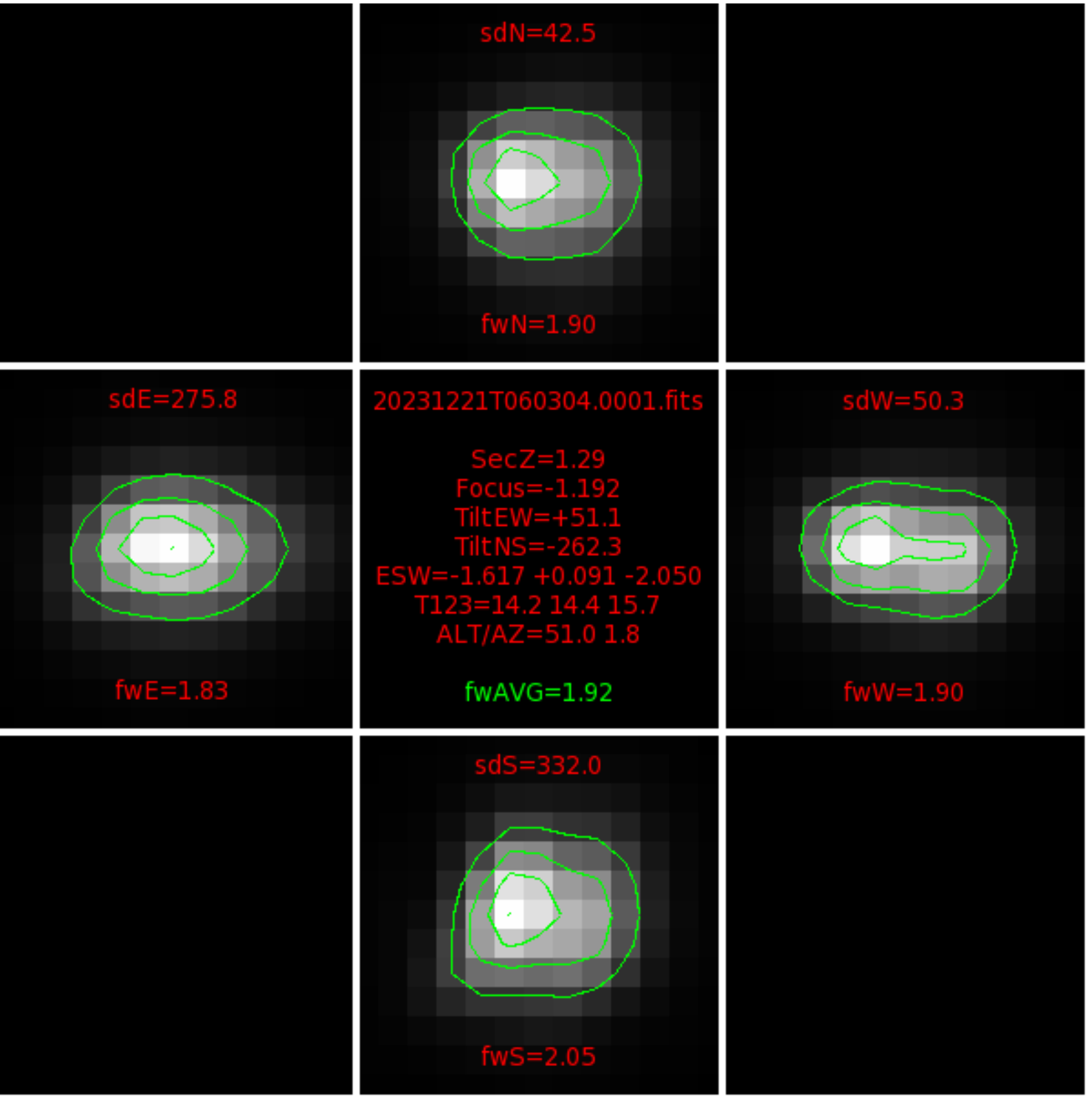
sdN=42.5
fwN=1.90
sdE=275.8
fwE=1.83
20231221T060304.0001.fits
SecZ=1.29
Focus=-1.192
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.617 +0.091 -2.050
T123=14.2 14.4 15.7
ALT/AZ=51.0 1.8
fwAVG=1.92
sdW=50.3
fwW=1.90
sdS=332.0
fwS=2.05
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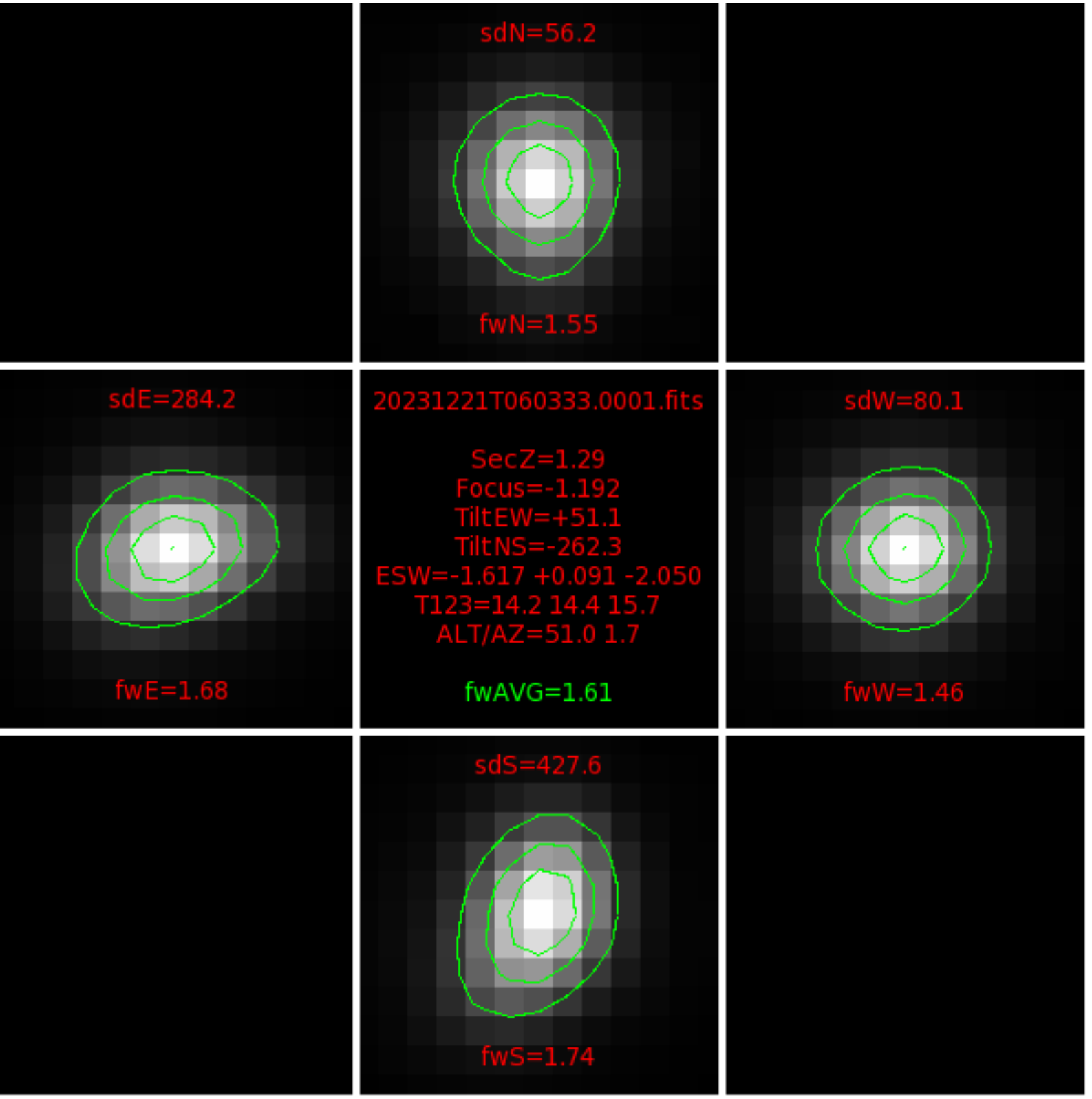
sdN=56.2
fwN=1.55
sdE=284.2
fwE=1.68
20231221T060333.0001.fits
SecZ=1.29
Focus=-1.192
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.617 +0.091 -2.050
T123=14.2 14.4 15.7
ALT/AZ=51.0 1.7
fwAVG=1.61
sdW=80.1
fwW=1.46
sdS=427.6
fwS=1.74
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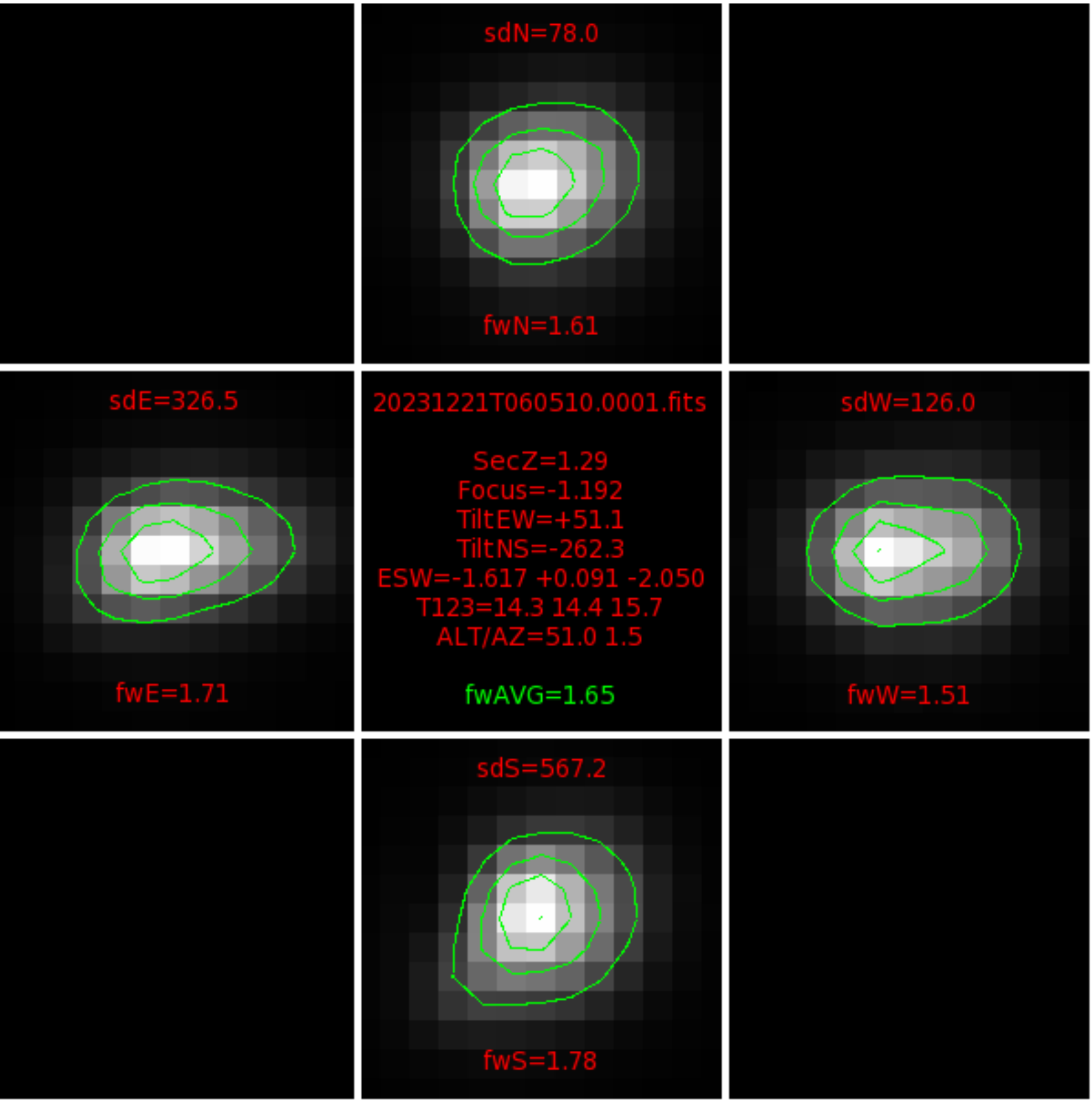
sdN=78.0
fwN=1.61
sdE=326.5
fwE=1.71
20231221T060510.0001.fits
SecZ=1.29
Focus=-1.192
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.617 +0.091 -2.050
T123=14.3 14.4 15.7
ALT/AZ=51.0 1.5
fwAVG=1.65
sdW=126.0
fwW=1.51
sdS=567.2
fwS=1.78
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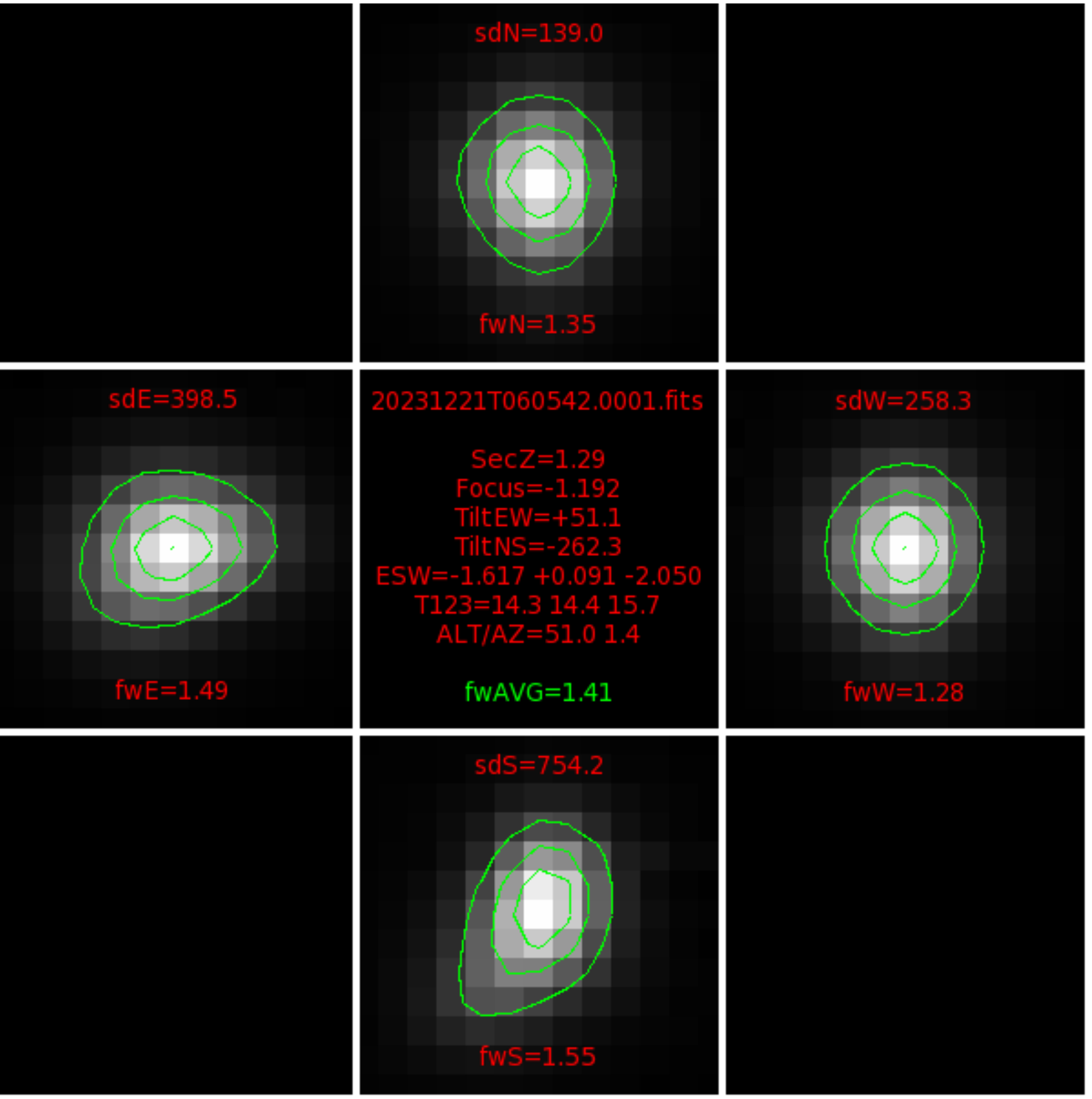
sdN=139.0
fwN=1.35
sdE=398.5
fwE=1.49
20231221T060542.0001.fits
SecZ=1.29
Focus=-1.192
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.617 +0.091 -2.050
T123=14.3 14.4 15.7
ALT/AZ=51.0 1.4
fwAVG=1.41
sdW=258.3
fwW=1.28
sdS=754.2
fwS=1.55
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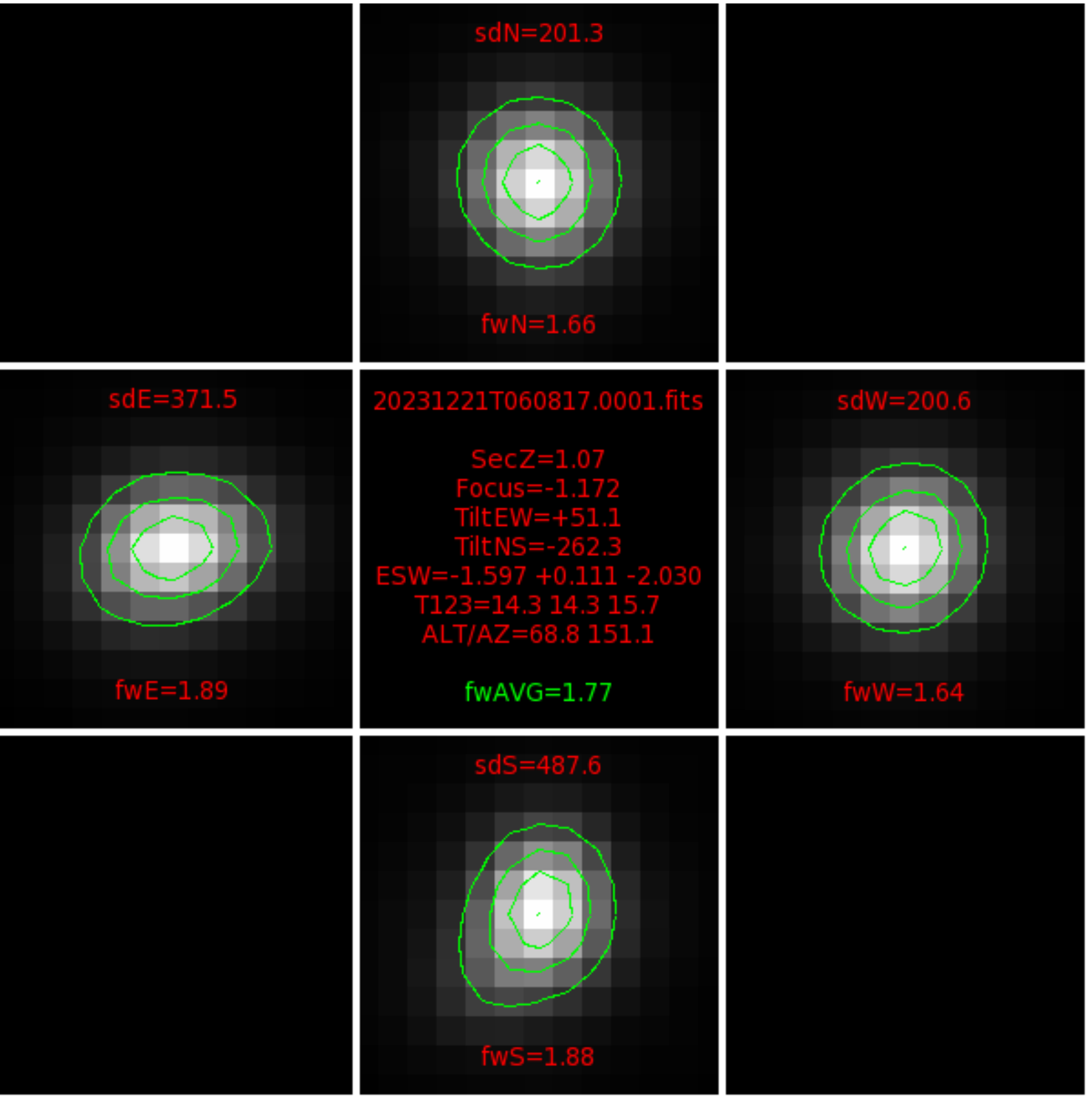
sdN=201.3
fwN=1.66
sdE=371.5
fwE=1.89
20231221T060817.0001.fits
SecZ=1.07
Focus=-1.172
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.597 +0.111 -2.030
T123=14.3 14.3 15.7
ALT/AZ=68.8 151.1
fwAVG=1.77
sdW=200.6
fwW=1.64
sdS=487.6
fwS=1.88
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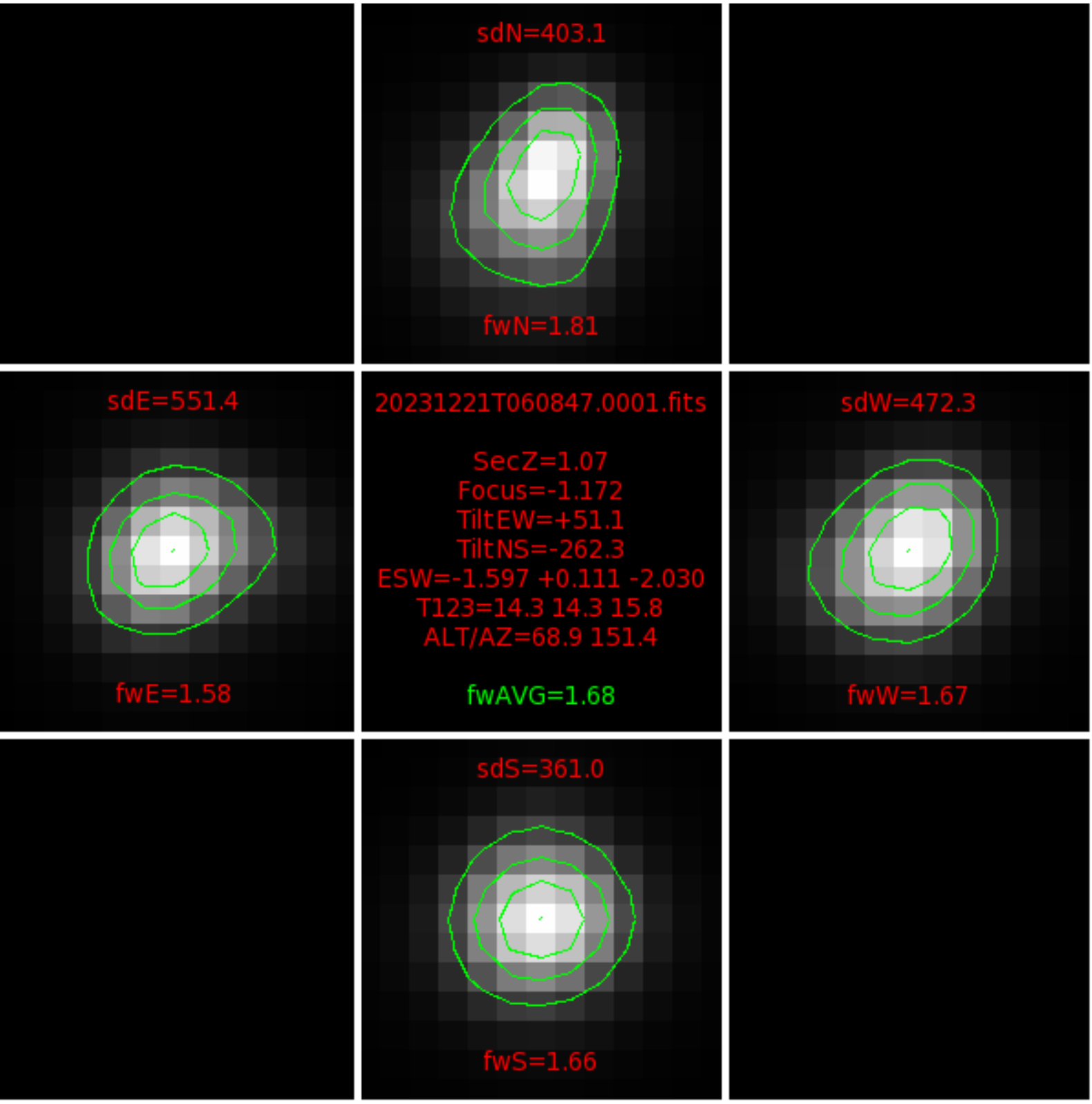
sdN=403.1
fwN=1.81
sdE=551.4
fwE=1.58
20231221T060847.0001.fits
SecZ=1.07
Focus=-1.172
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.597 +0.111 -2.030
T123=14.3 14.3 15.8
ALT/AZ=68.9 151.4
fwAVG=1.68
sdW=472.3
fwW=1.67
sdS=361.0
fwS=1.66
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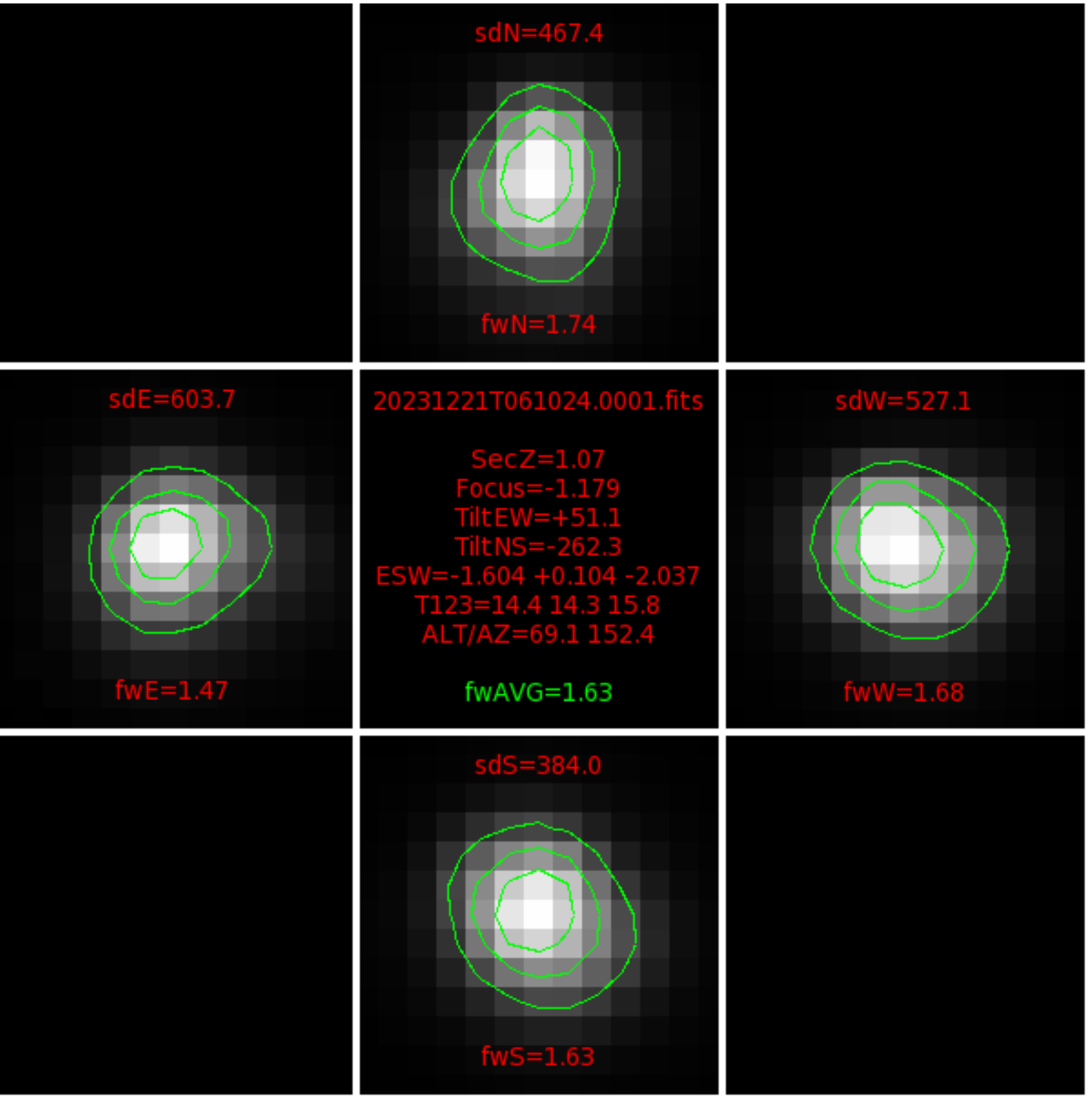
sdN=467.4
fwN=1.74
sdE=603.7
fwE=1.47
20231221T061024.0001.fits
SecZ=1.07
Focus=-1.179
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.604 +0.104 -2.037
T123=14.4 14.3 15.8
ALT/AZ=69.1 152.4
fwAVG=1.63
sdW=527.1
fwW=1.68
sdS=384.0
fwS=1.63
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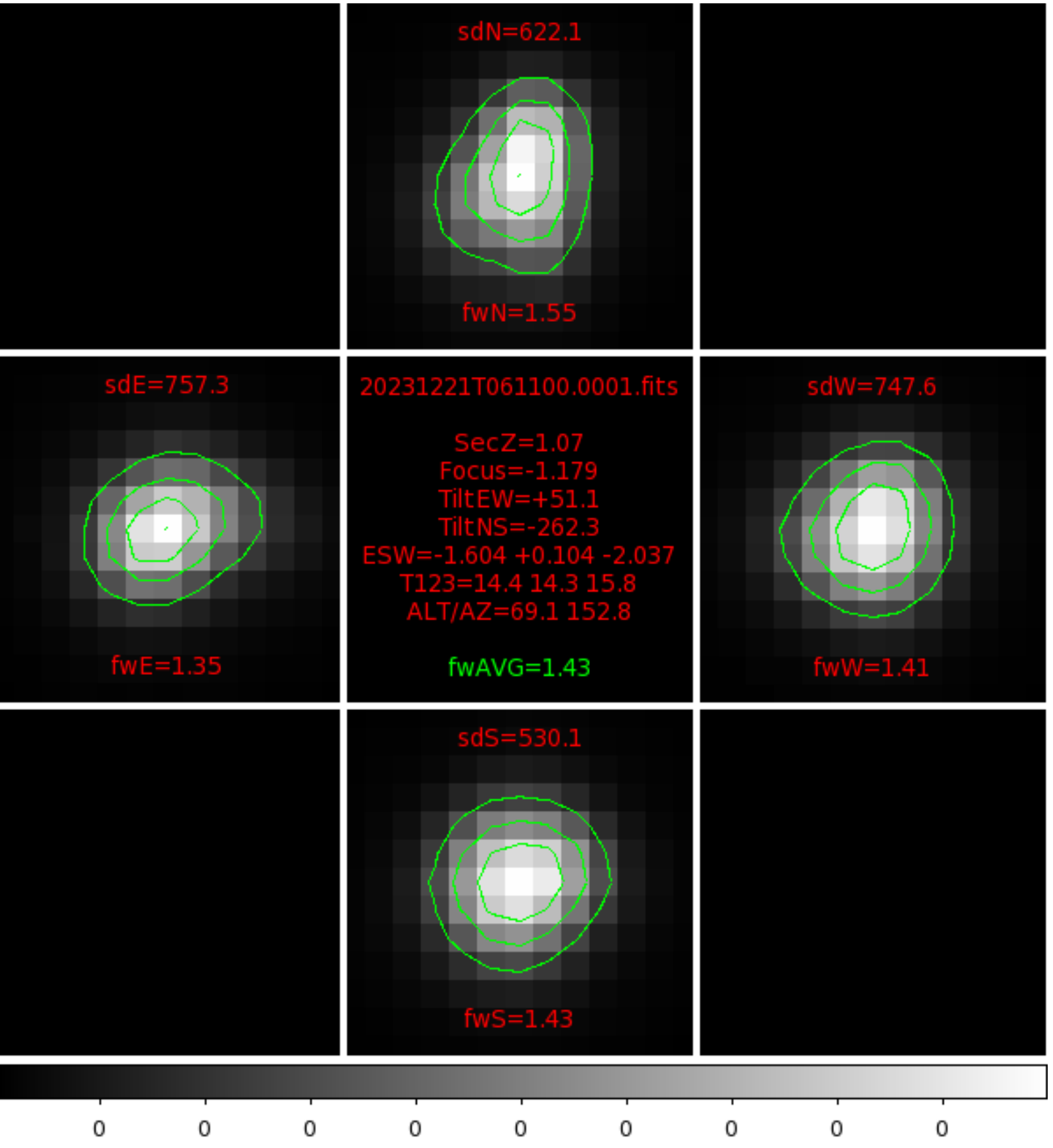
sdN=622.1
fwN=1.55
sdE=757.3
fwE=1.35
20231221T061100.0001.fits
SecZ=1.07
Focus=-1.179
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.604 +0.104 -2.037
T123=14.4 14.3 15.8
ALT/AZ=69.1 152.8
fwAVG=1.43
sdW=747.6
fwW=1.41
sdS=530.1
fwS=1.43
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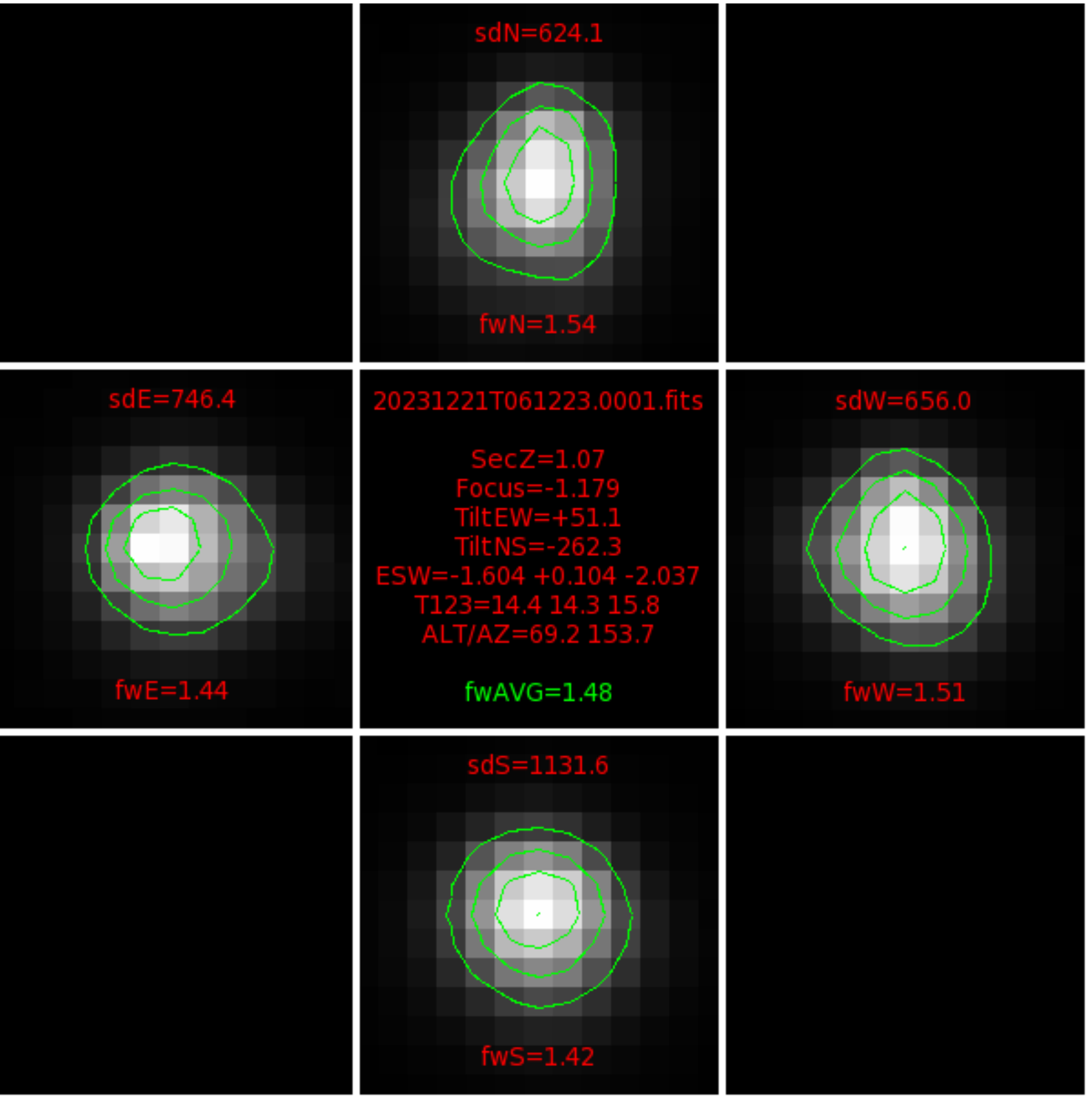
sdN=624.1
fwN=1.54
sdE=746.4
fwE=1.44
20231221T061223.0001.fits
SecZ=1.07
Focus=-1.179
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.604 +0.104 -2.037
T123=14.4 14.3 15.8
ALT/AZ=69.2 153.7
fwAVG=1.48
sdW=656.0
fwW=1.51
sdS=1131.6
fwS=1.42
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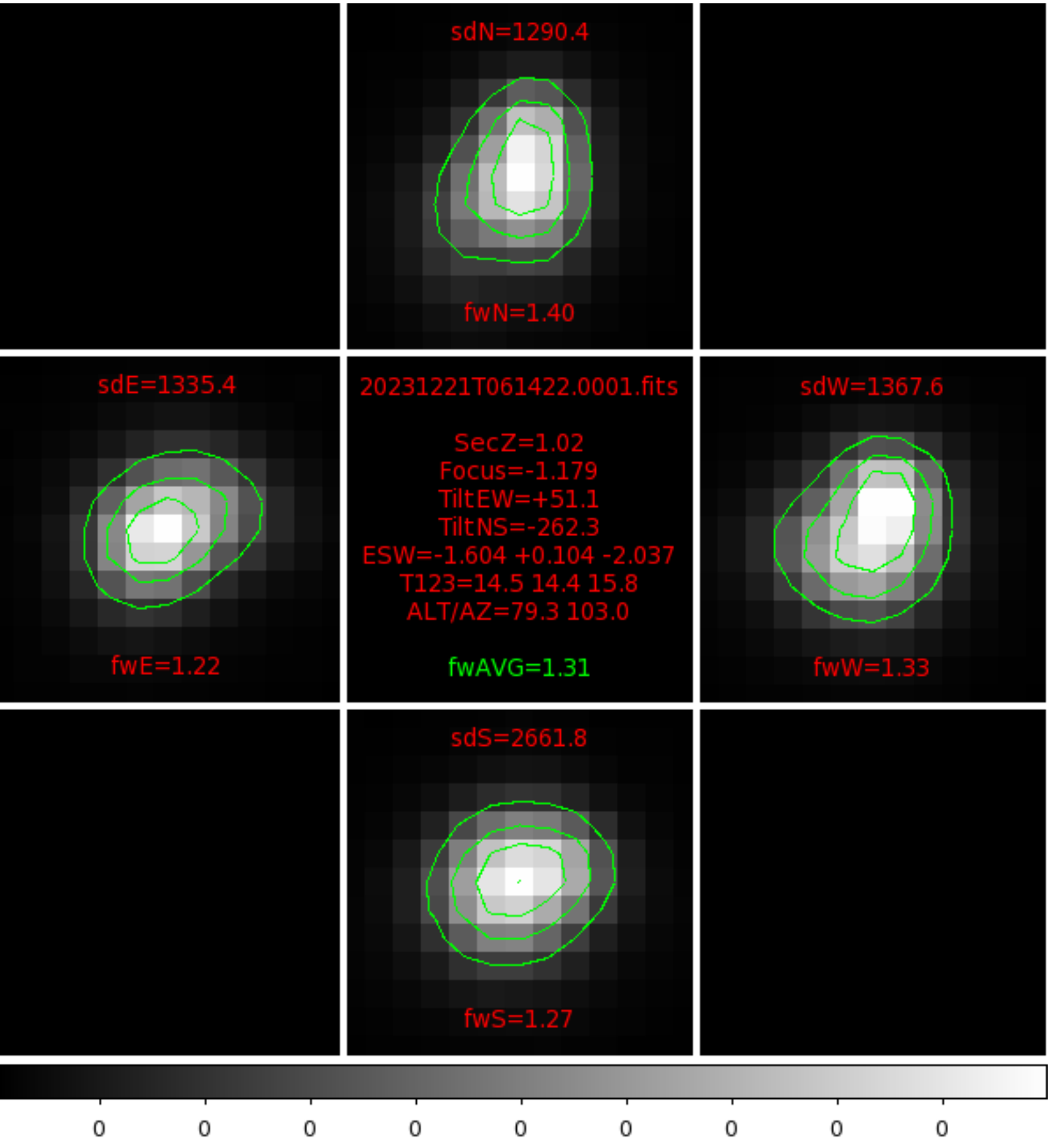
sdN=1290.4
fwN=1.40
sdE=1335.4
fwE=1.22
20231221T061422.0001.fits
SecZ=1.02
Focus=-1.179
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.604 +0.104 -2.037
T123=14.5 14.4 15.8
ALT/AZ=79.3 103.0
fwAVG=1.31
sdW=1367.6
fwW=1.33
sdS=2661.8
fwS=1.27
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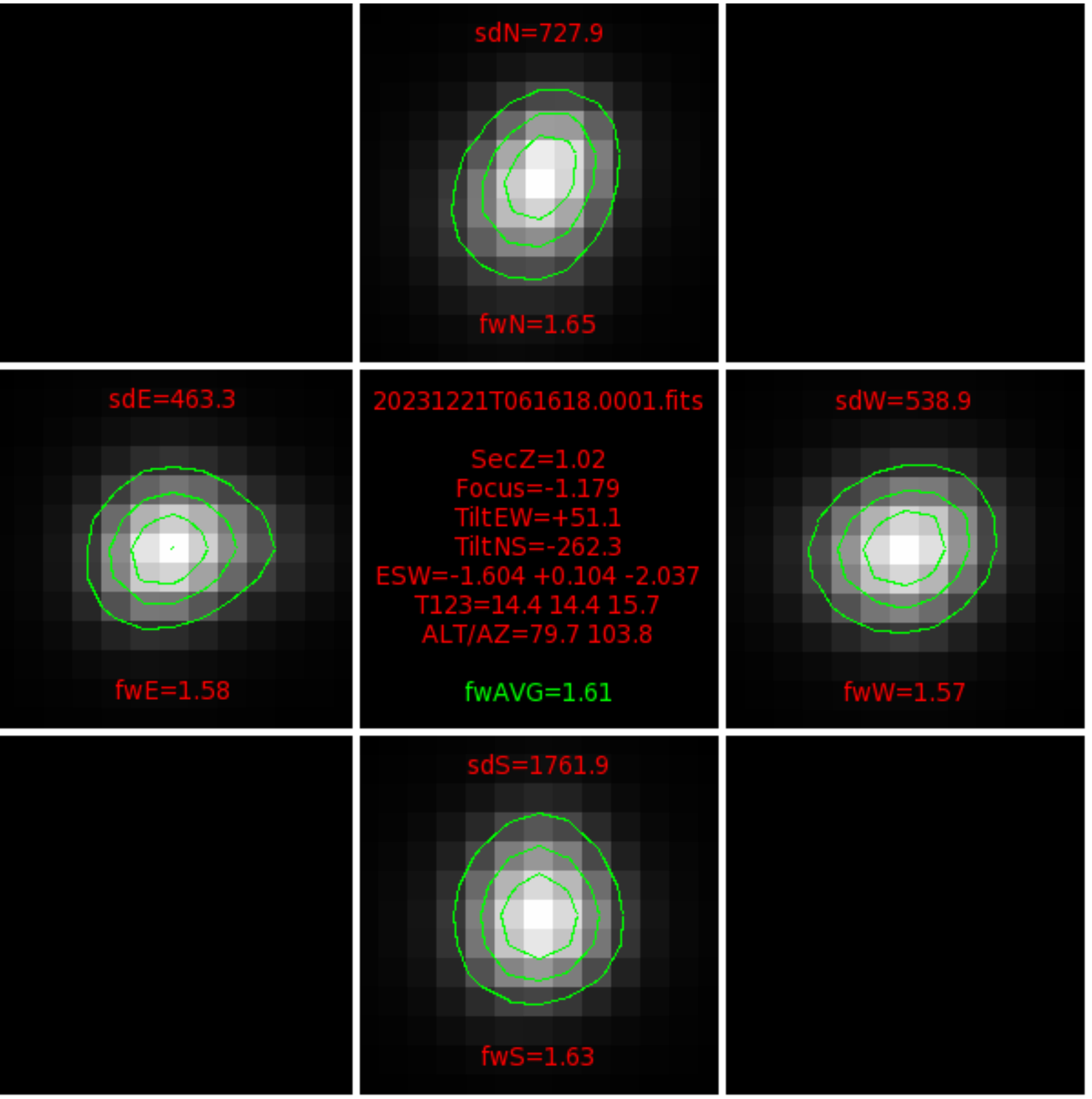
sdN=727.9
fwN=1.65
sdE=463.3
fwE=1.58
20231221T061618.0001.fits
SecZ=1.02
Focus=-1.179
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.604 +0.104 -2.037
T123=14.4 14.4 15.7
ALT/AZ=79.7 103.8
fwAVG=1.61
sdW=538.9
fwW=1.57
sdS=1761.9
fwS=1.63
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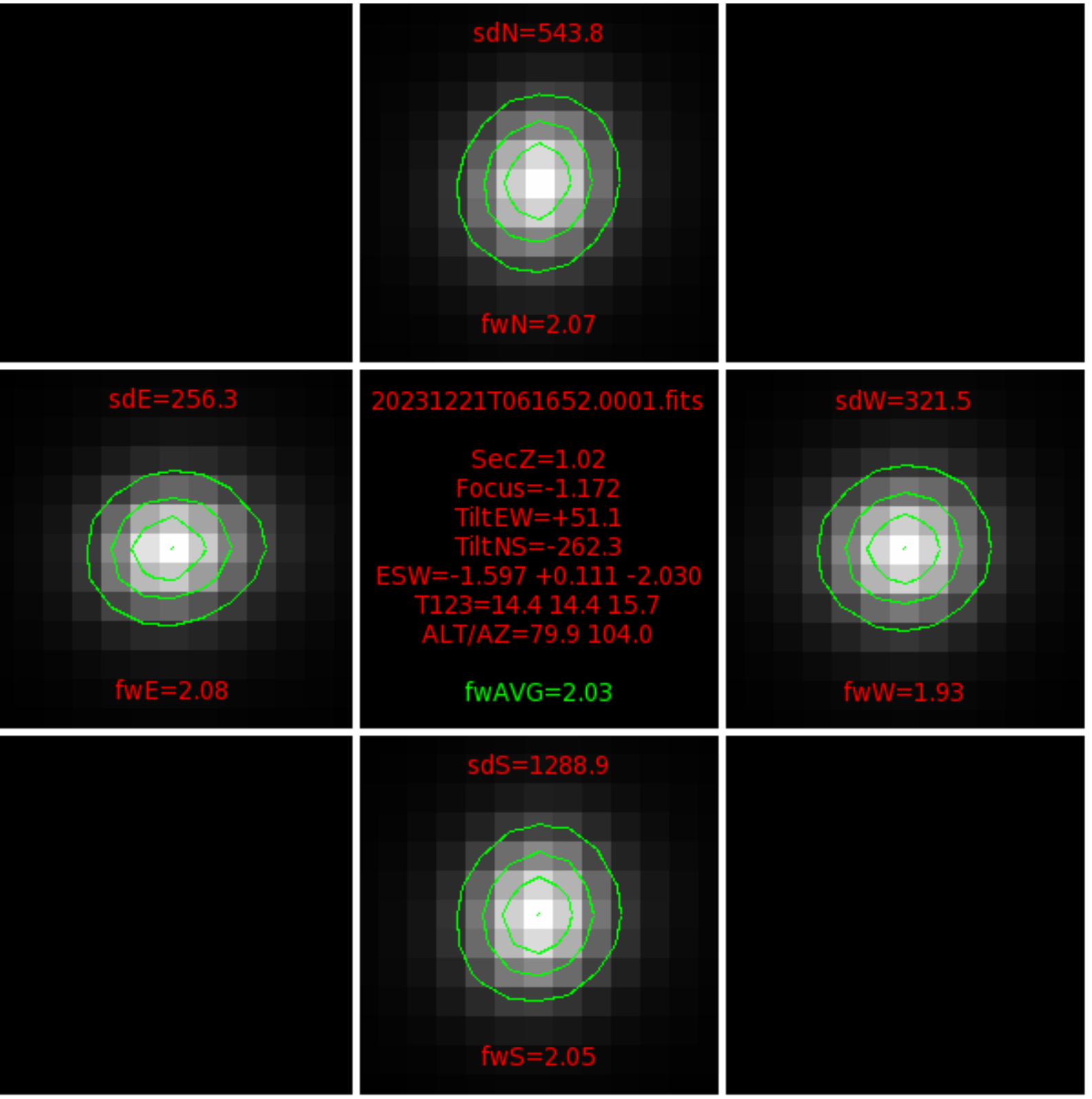
sdN=543.8
fwN=2.07
sdE=256.3
fwE=2.08
20231221T061652.0001.fits
SecZ=1.02
Focus=-1.172
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.597 +0.111 -2.030
T123=14.4 14.4 15.7
ALT/AZ=79.9 104.0
fwAVG=2.03
sdW=321.5
fwW=1.93
sdS=1288.9
fwS=2.05
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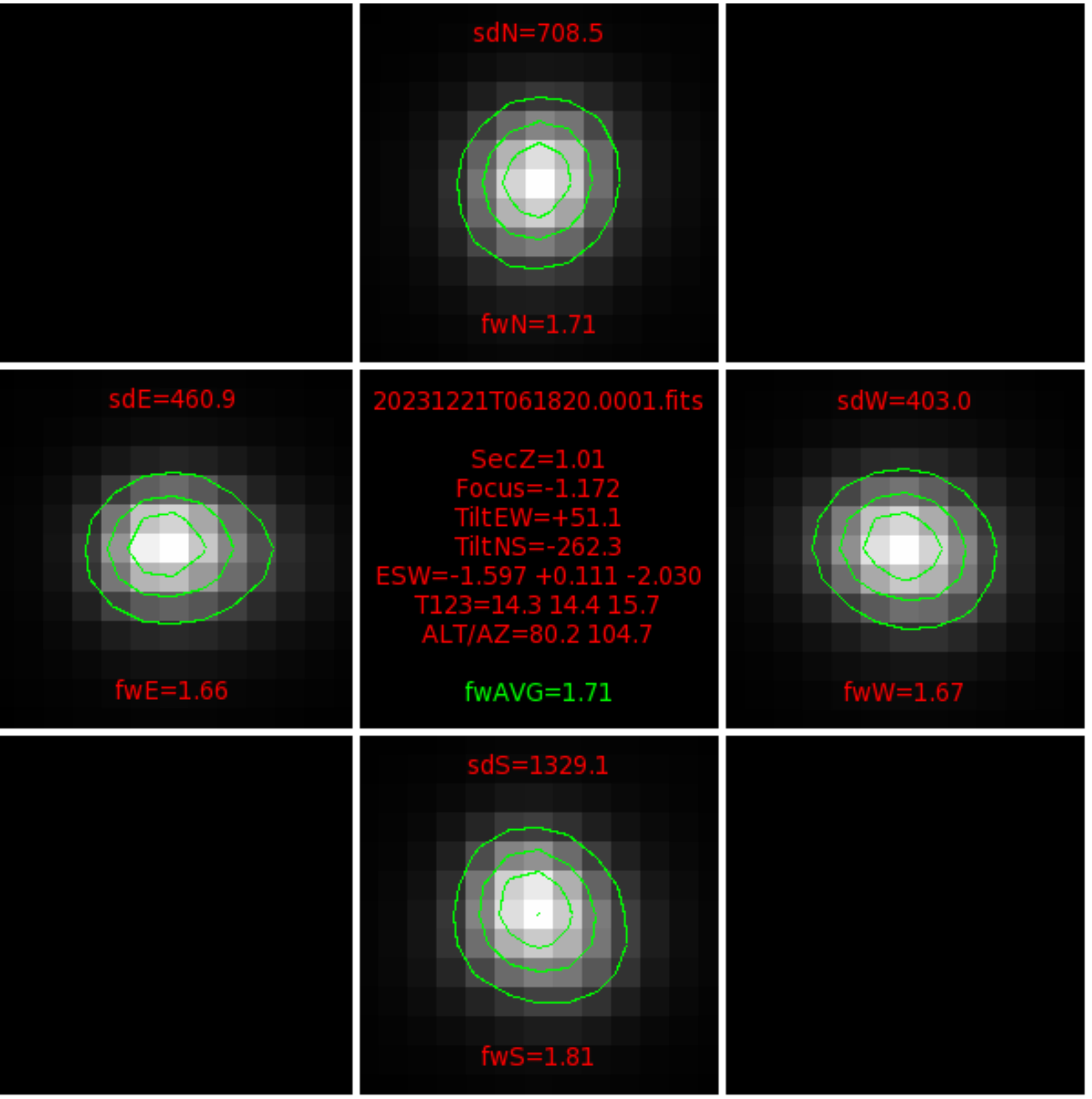
sdN=708.5
fwN=1.71
sdE=460.9
fwE=1.66
20231221T061820.0001.fits
SecZ=1.01
Focus=-1.172
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.597 +0.111 -2.030
T123=14.3 14.4 15.7
ALT/AZ=80.2 104.7
fwAVG=1.71
sdW=403.0
fwW=1.67
sdS=1329.1
fwS=1.81
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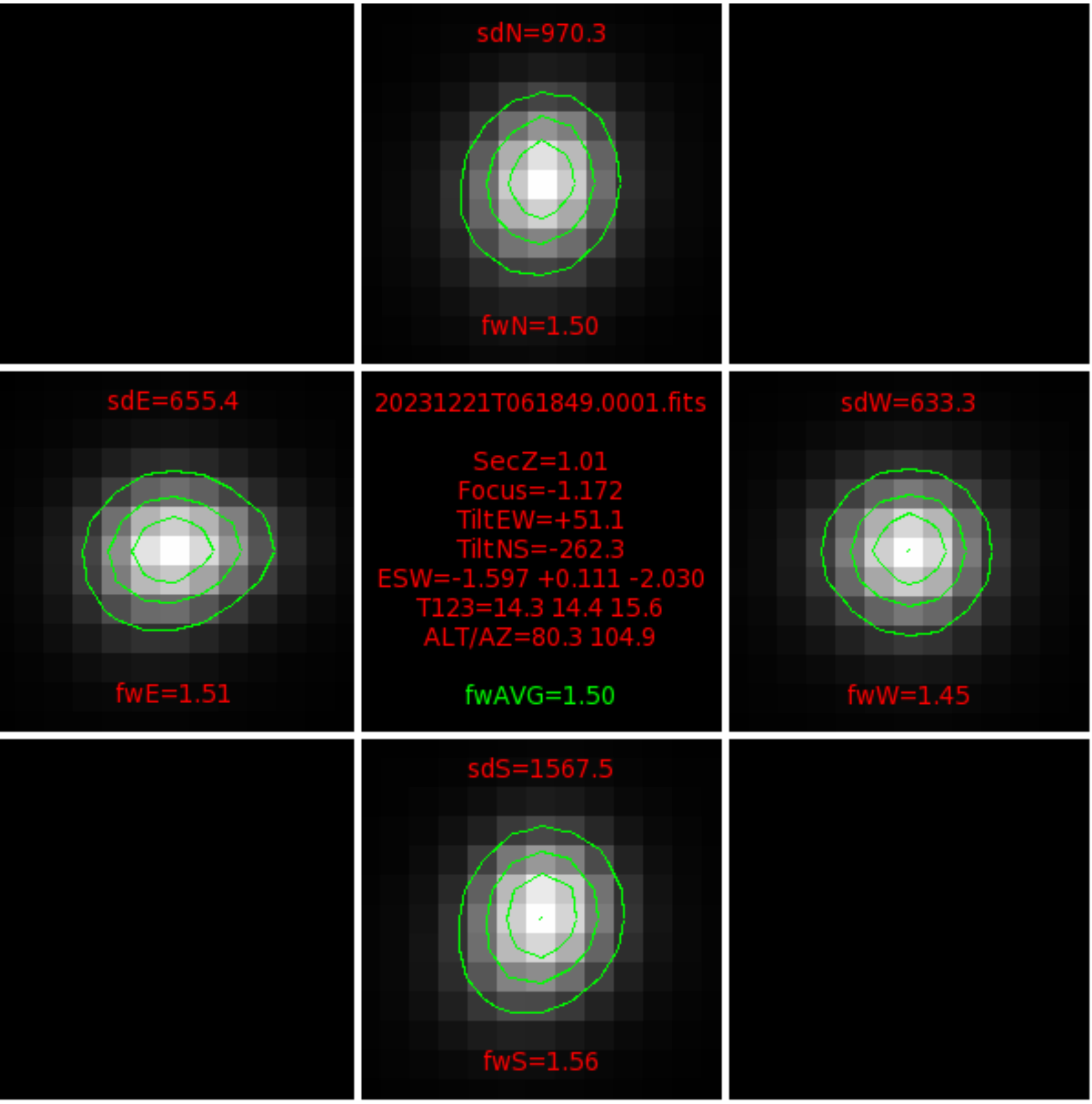
sdN=970.3
fwN=1.50
sdE=655.4
fwE=1.51
20231221T061849.0001.fits
SecZ=1.01
Focus=-1.172
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.597 +0.111 -2.030
T123=14.3 14.4 15.6
ALT/AZ=80.3 104.9
fwAVG=1.50
sdW=633.3
fwW=1.45
sdS=1567.5
fwS=1.56
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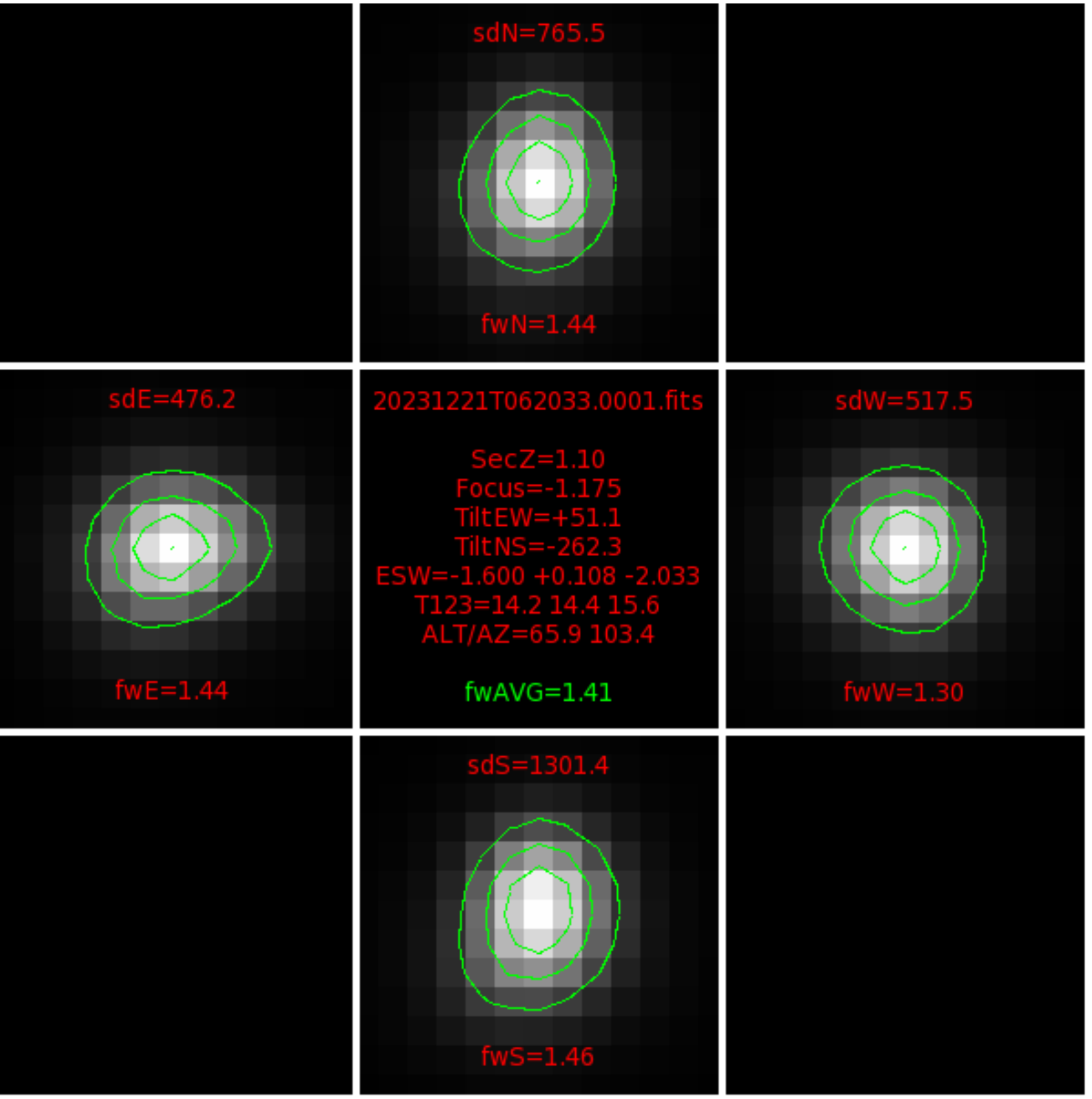
sdN=765.5
fwN=1.44
sdE=476.2
fwE=1.44
20231221T062033.0001.fits
SecZ=1.10
Focus=-1.175
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.600 +0.108 -2.033
T123=14.2 14.4 15.6
ALT/AZ=65.9 103.4
fwAVG=1.41
sdW=517.5
fwW=1.30
sdS=1301.4
fwS=1.46
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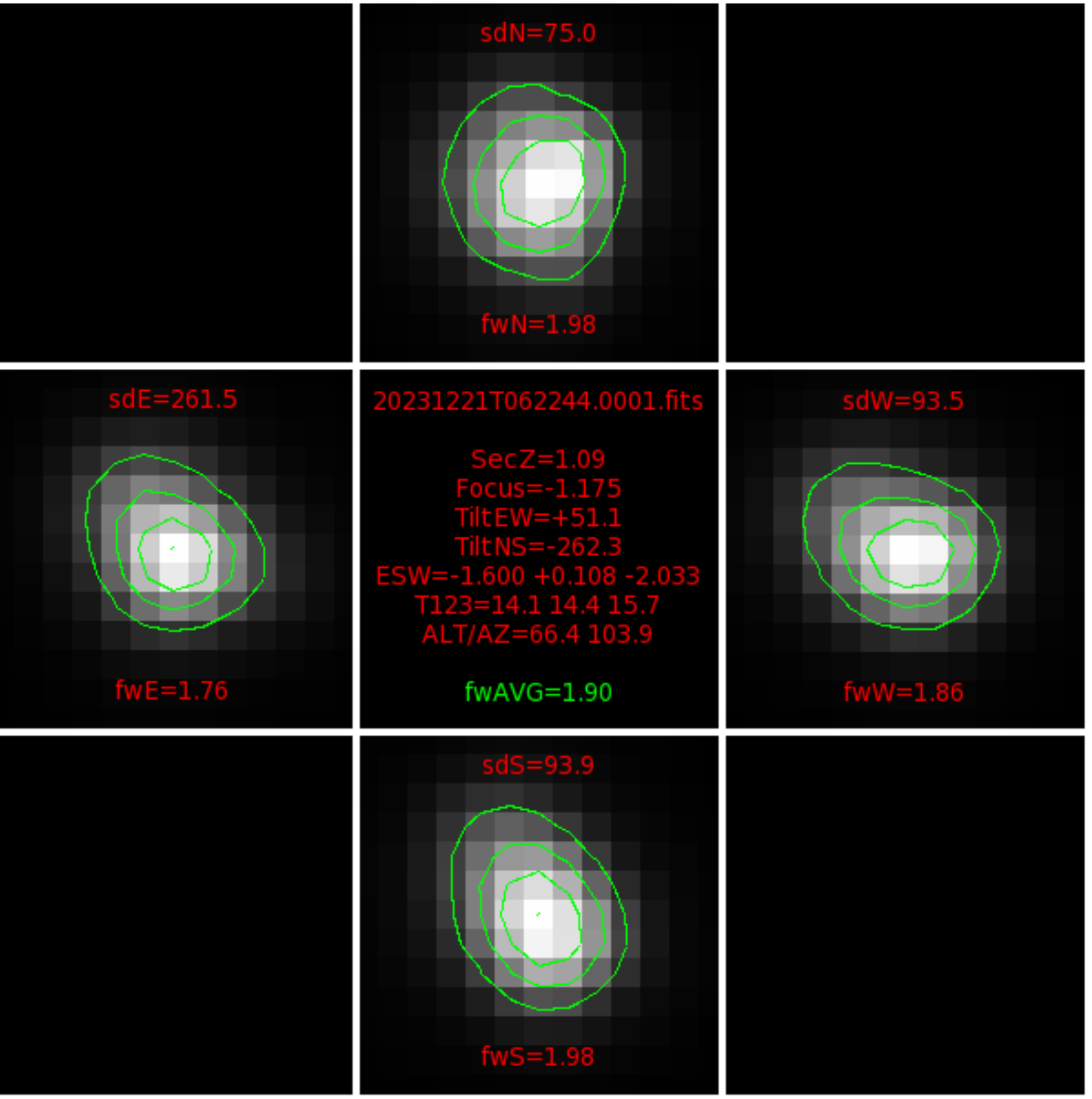
sdN=75.0
fwN=1.98
sdE=261.5
fwE=1.76
20231221T062244.0001.fits
SecZ=1.09
Focus=-1.175
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.600 +0.108 -2.033
T123=14.1 14.4 15.7
ALT/AZ=66.4 103.9
fwAVG=1.90
sdW=93.5
fwW=1.86
sdS=93.9
fwS=1.98
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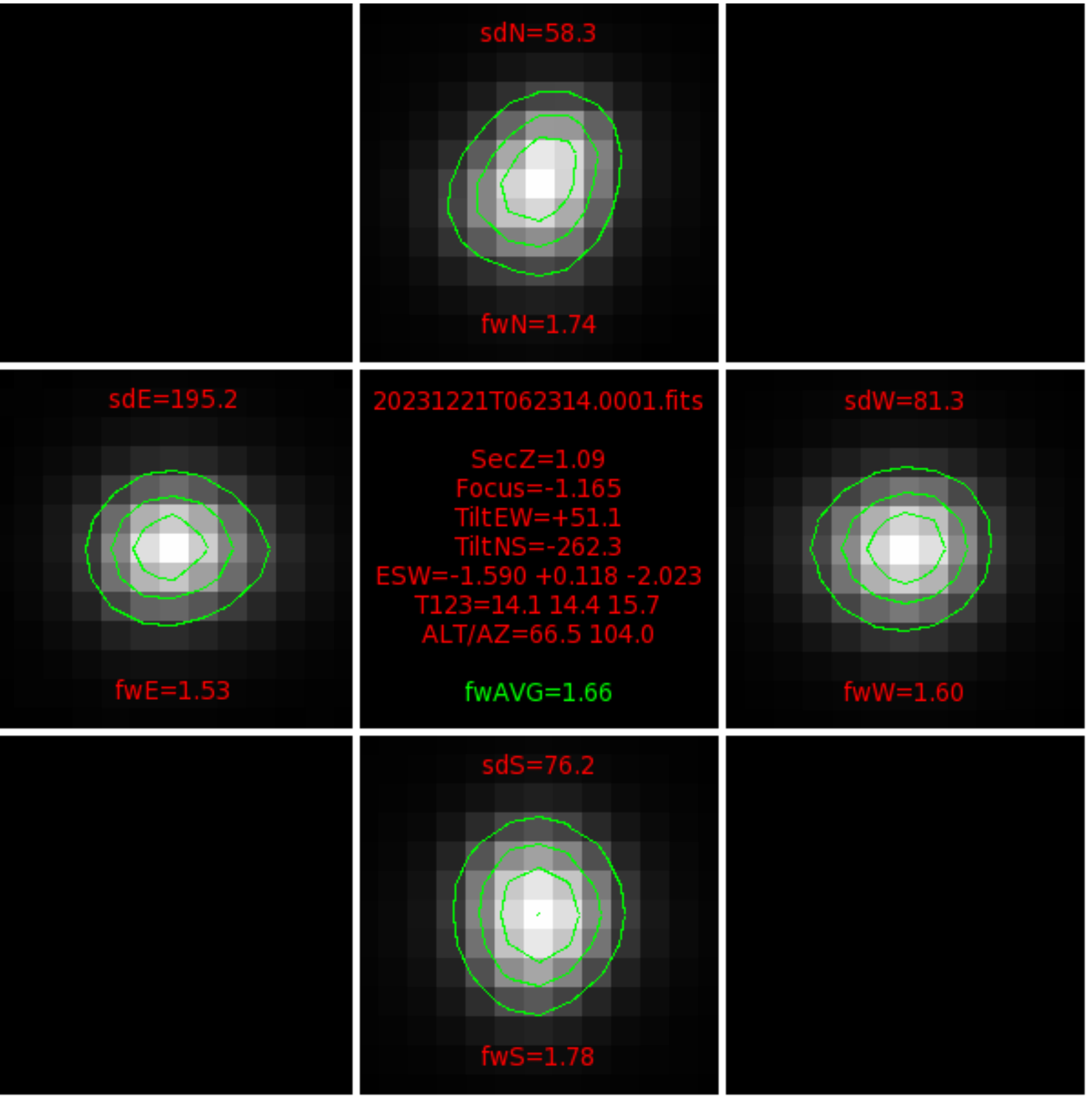
sdN=58.3
fwN=1.74
sdE=195.2
fwE=1.53
20231221T062314.0001.fits
SecZ=1.09
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=14.1 14.4 15.7
ALT/AZ=66.5 104.0
fwAVG=1.66
sdW=81.3
fwW=1.60
sdS=76.2
fwS=1.78
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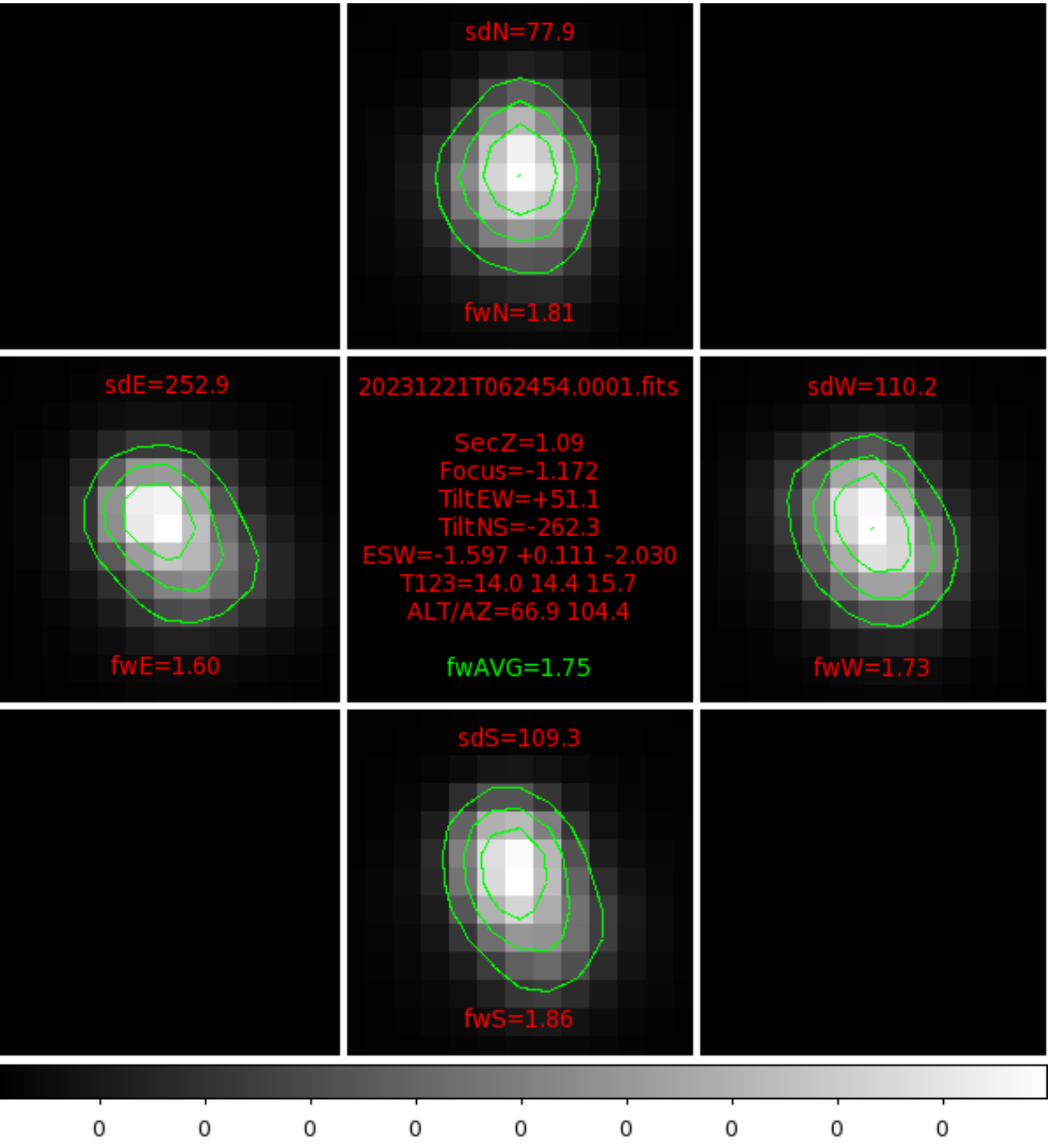
sdN=77.9
fwN=1.81
sdE=252.9
fwE=1.60
20231221T062454.0001.fits
SecZ=1.09
Focus=-1.172
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.597 +0.111 -2.030
T123=14.0 14.4 15.7
ALT/AZ=66.9 104.4
fwAVG=1.75
sdW=110.2
fwW=1.73
sdS=109.3
fwS=1.86
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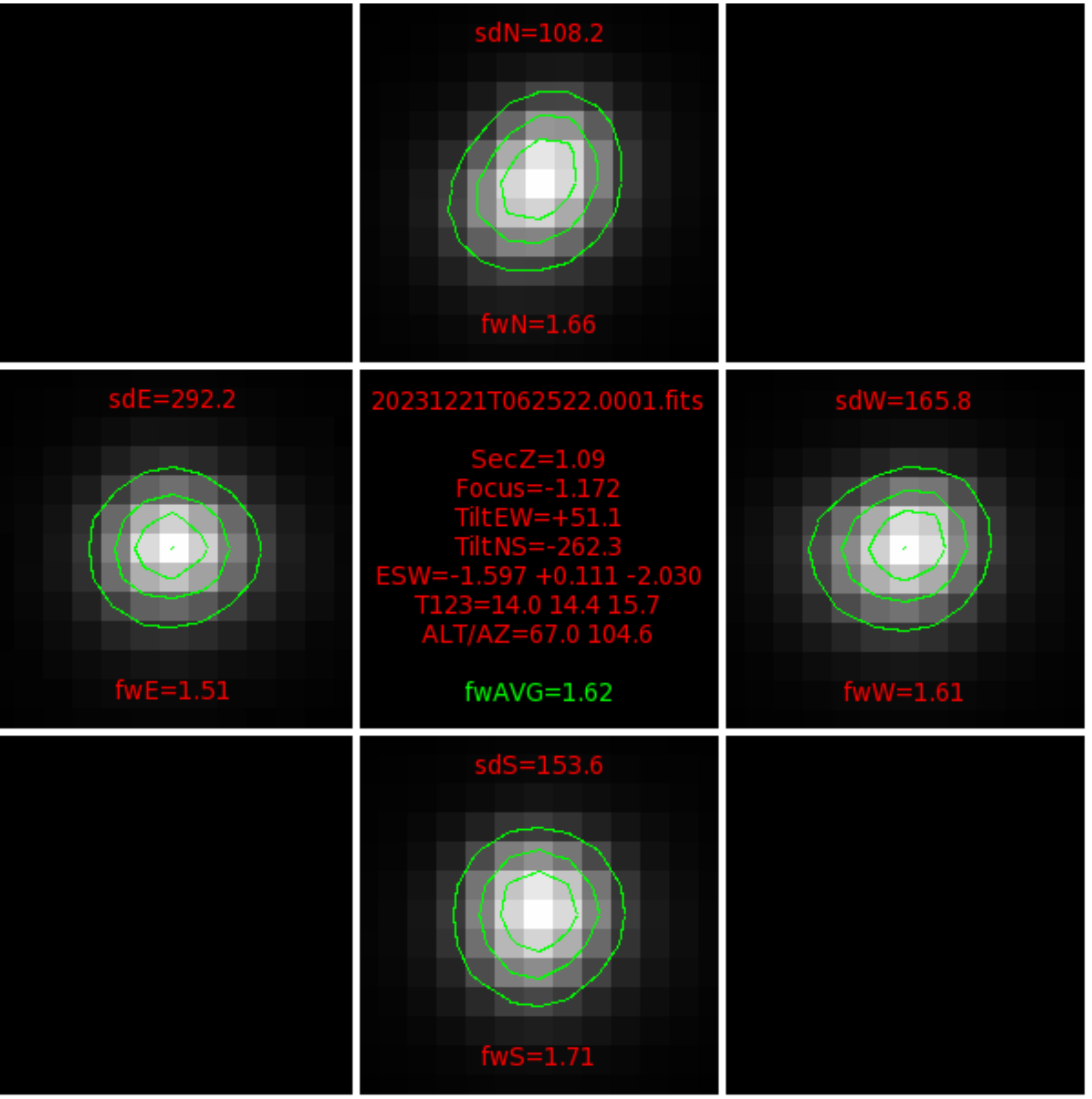
sdN=108.2
fwN=1.66
sdE=292.2
fwE=1.51
20231221T062522.0001.fits
SecZ=1.09
Focus=-1.172
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.597 +0.111 -2.030
T123=14.0 14.4 15.7
ALT/AZ=67.0 104.6
fwAVG=1.62
sdW=165.8
fwW=1.61
sdS=153.6
fwS=1.71
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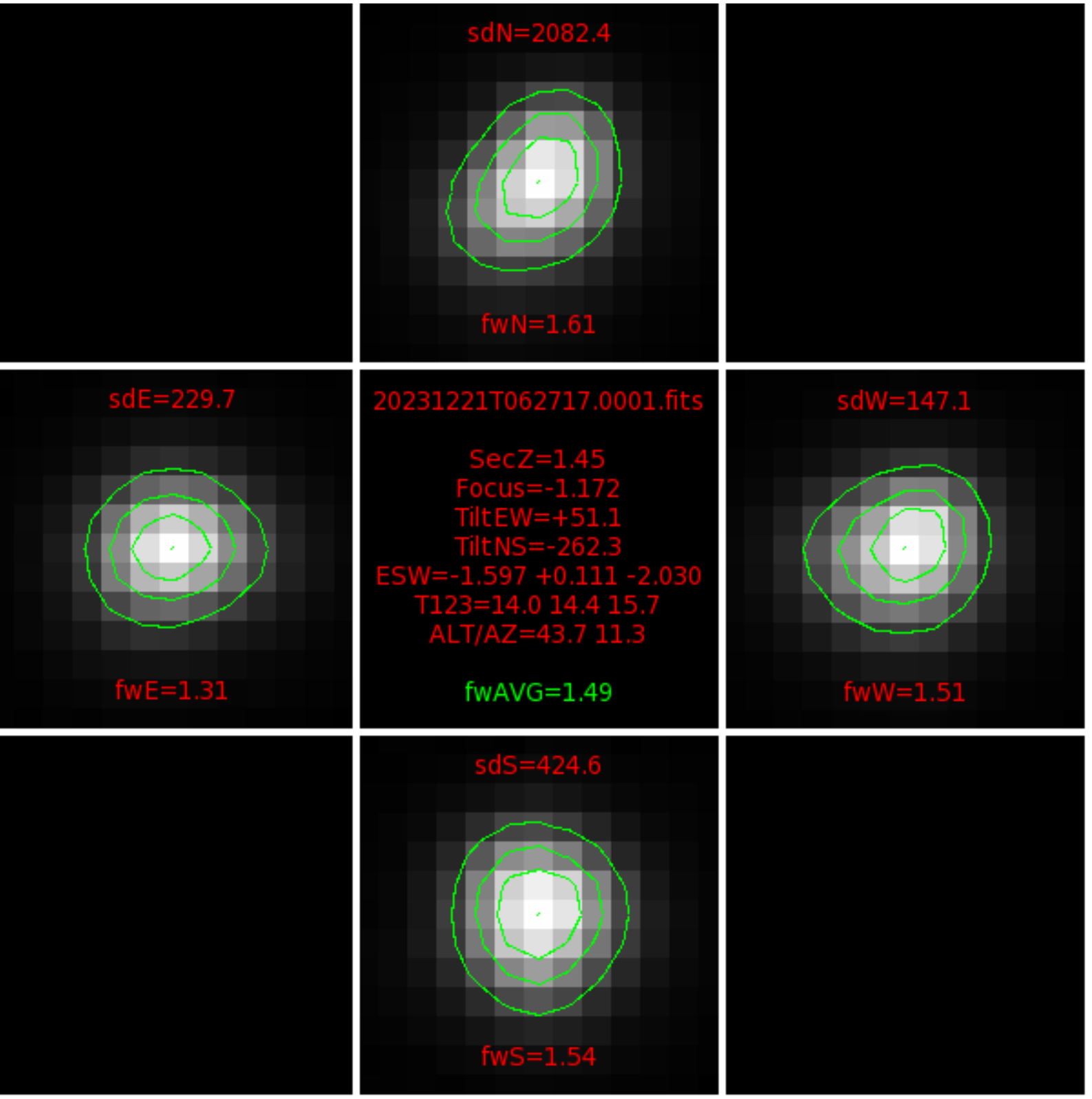
sdN=2082.4
fwN=1.61
sdE=229.7
fwE=1.31
20231221T062717.0001.fits
SecZ=1.45
Focus=-1.172
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.597 +0.111 -2.030
T123=14.0 14.4 15.7
ALT/AZ=43.7 11.3
fwAVG=1.49
sdW=147.1
fwW=1.51
sdS=424.6
fwS=1.54
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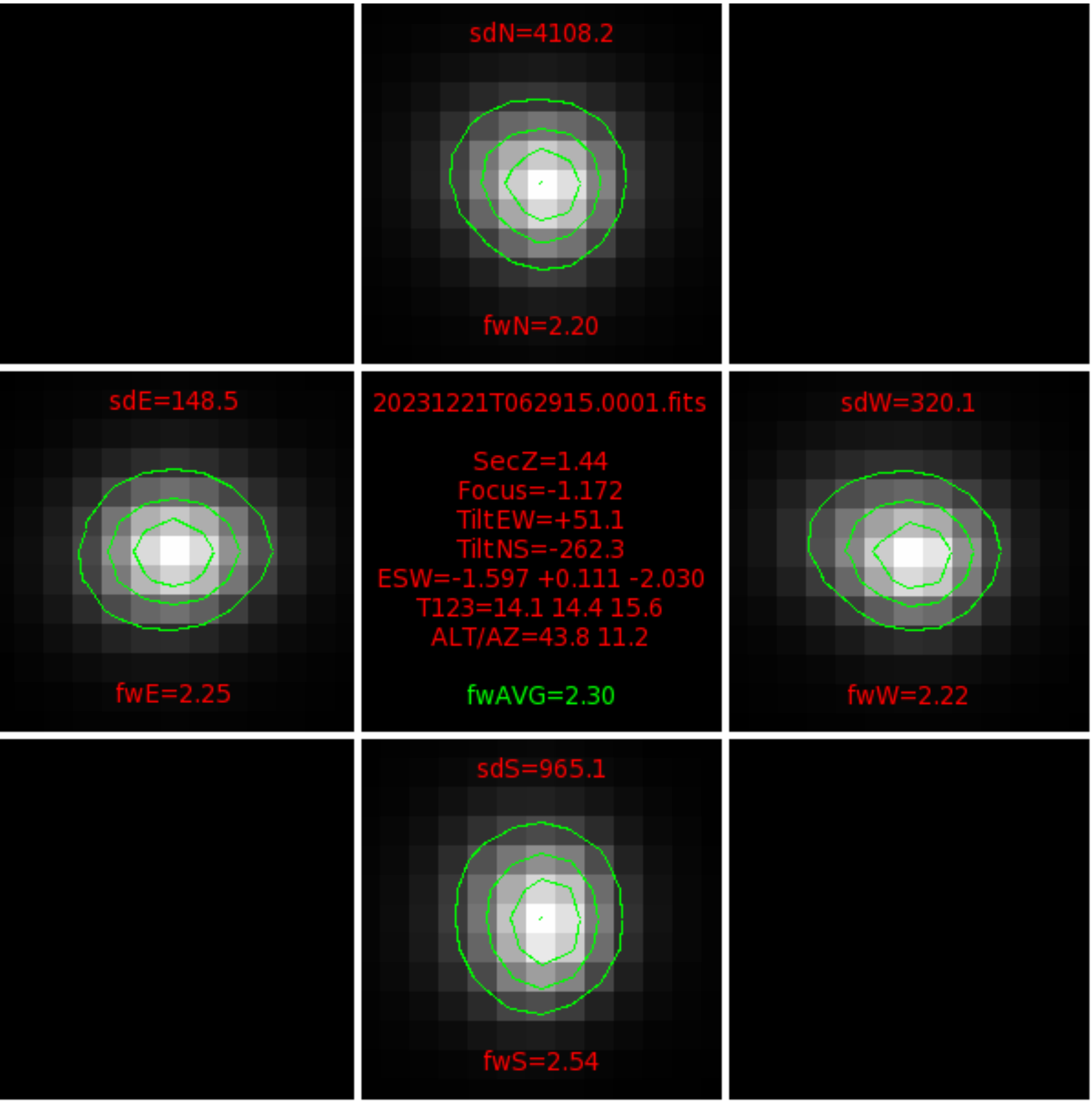
sdN=4108.2
fwN=2.20
sdE=148.5
fwE=2.25
20231221T062915.0001.fits
SecZ=1.44
Focus=-1.172
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.597 +0.111 -2.030
T123=14.1 14.4 15.6
ALT/AZ=43.8 11.2
fwAVG=2.30
sdW=320.1
fwW=2.22
sdS=965.1
fwS=2.54
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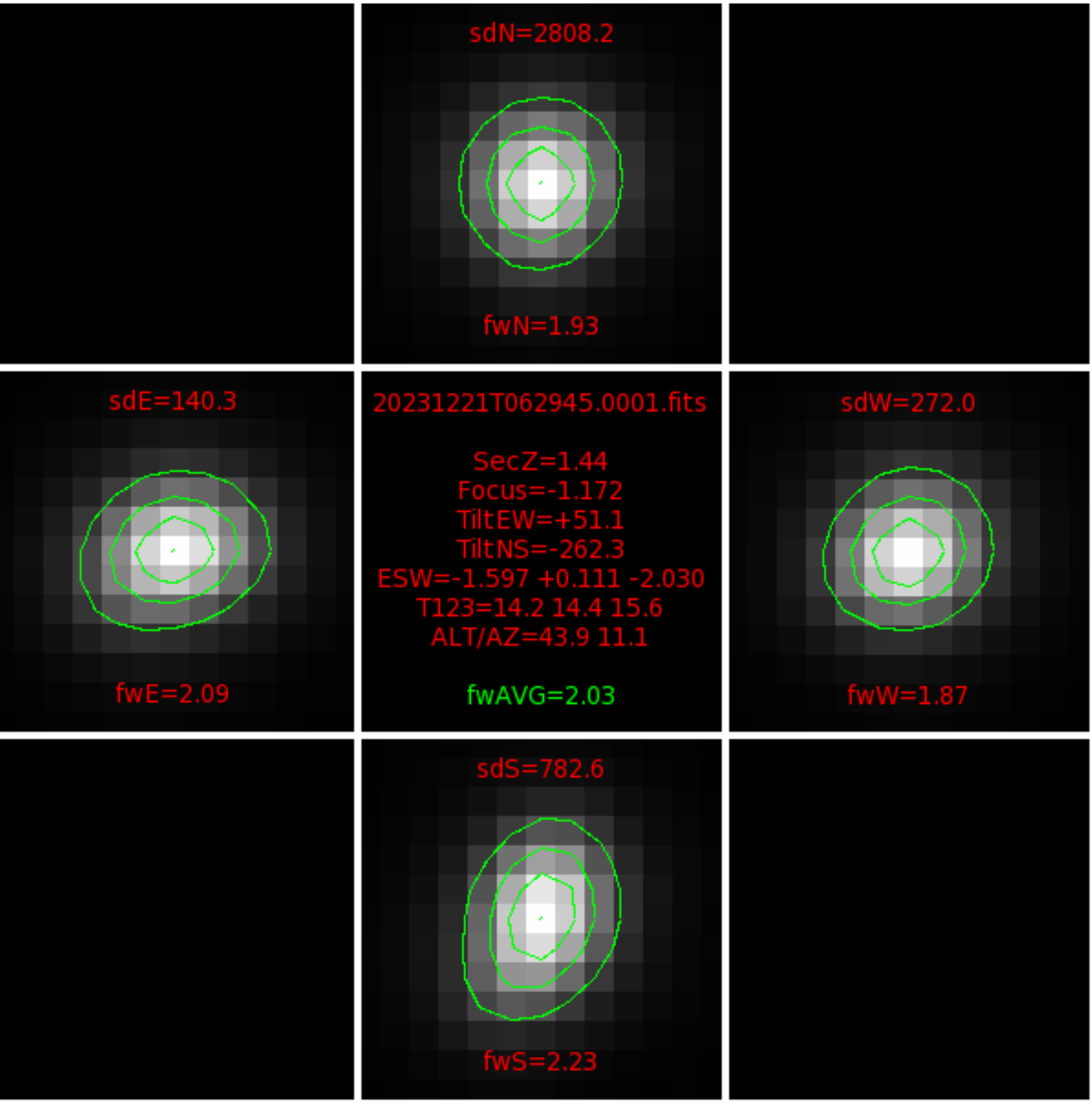
sdN=2808.2
fwN=1.93
sdE=140.3
fwE=2.09
20231221T062945.0001.fits
SecZ=1.44
Focus=-1.172
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.597 +0.111 -2.030
T123=14.2 14.4 15.6
ALT/AZ=43.9 11.1
fwAVG=2.03
sdW=272.0
fwW=1.87
sdS=782.6
fwS=2.23
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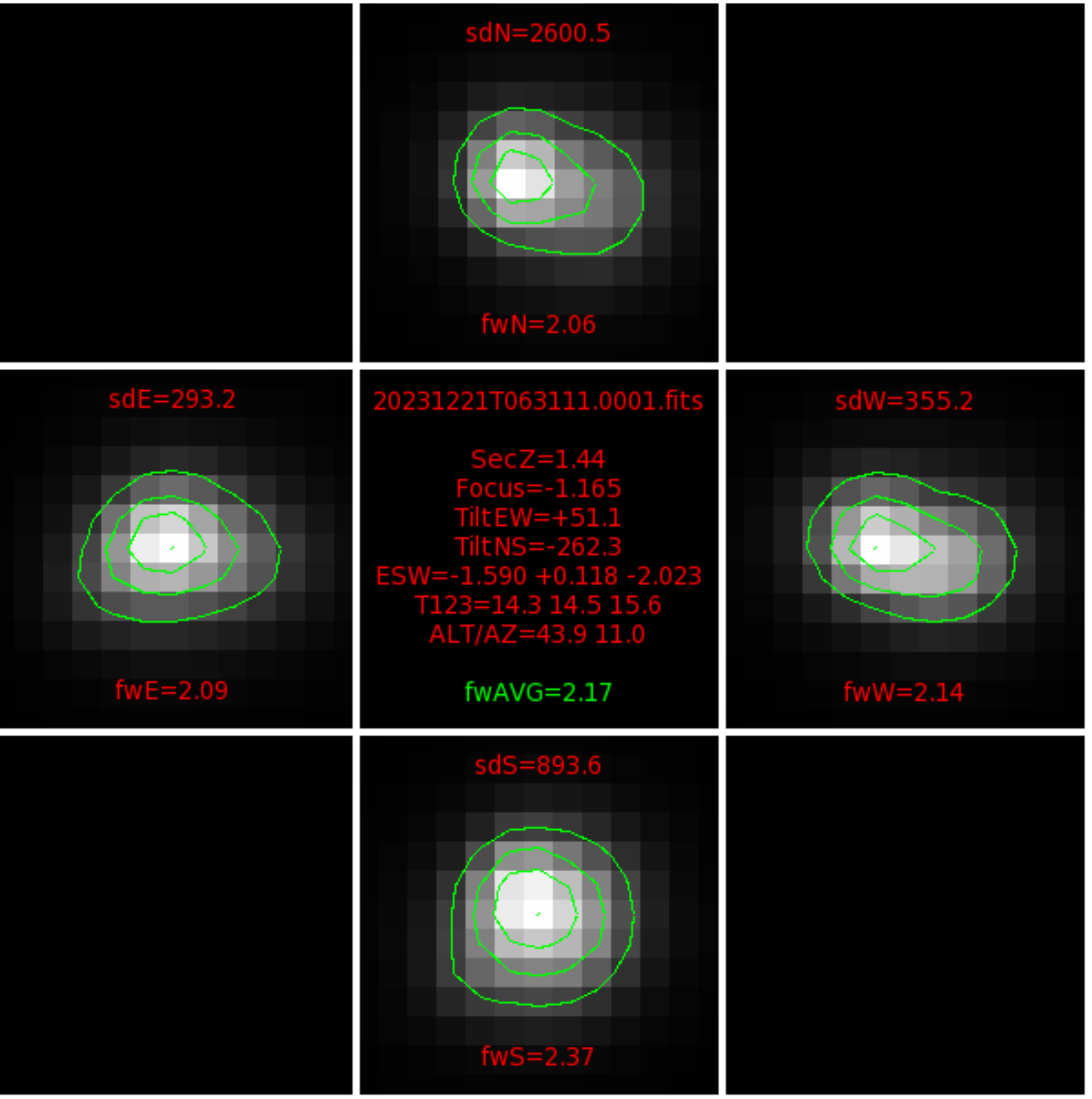
sdN=2600.5
fwN=2.06
sdE=293.2
fwE=2.09
20231221T063111.0001.fits
SecZ=1.44
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=14.3 14.5 15.6
ALT/AZ=43.9 11.0
fwAVG=2.17
sdW=355.2
fwW=2.14
sdS=893.6
fwS=2.37
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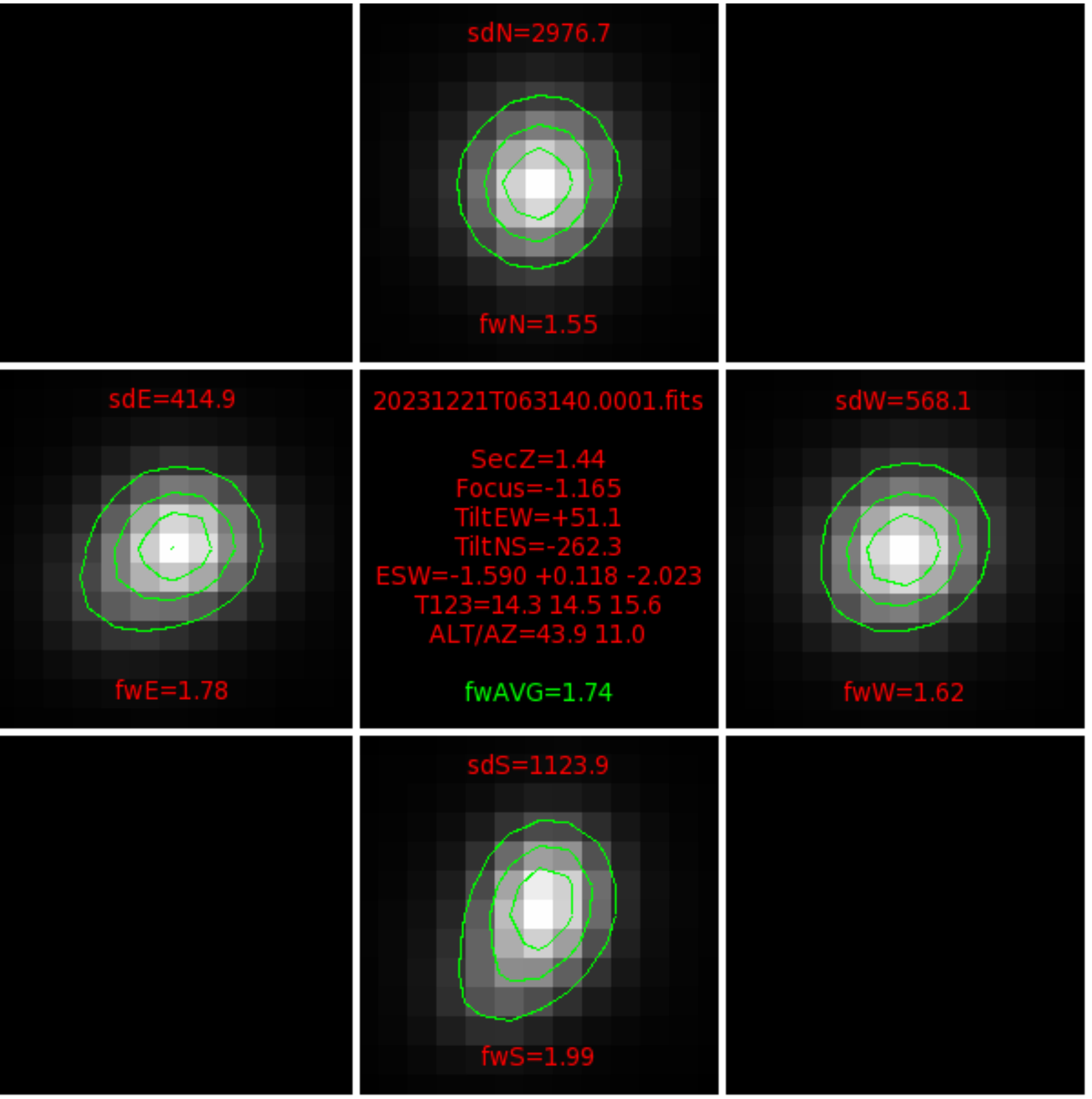
sdN=2976.7
fwN=1.55
sdE=414.9
fwE=1.78
20231221T063140.0001.fits
SecZ=1.44
Focus=-1.165
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.590 +0.118 -2.023
T123=14.3 14.5 15.6
ALT/AZ=43.9 11.0
fwAVG=1.74
sdW=568.1
fwW=1.62
sdS=1123.9
fwS=1.99
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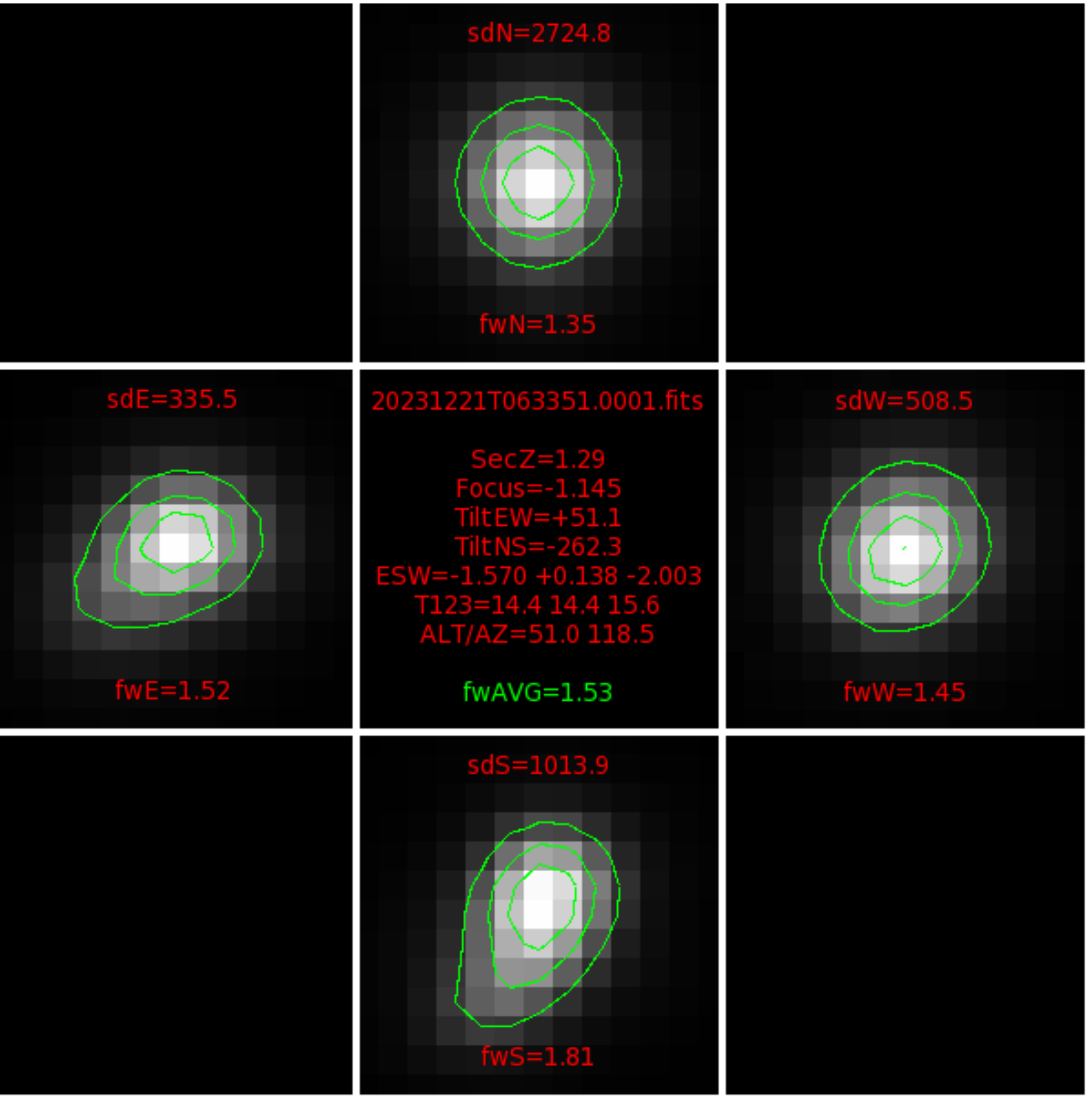
sdN=2724.8
fwN=1.35
sdE=335.5
fwE=1.52
20231221T063351.0001.fits
SecZ=1.29
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.4 14.4 15.6
ALT/AZ=51.0 118.5
fwAVG=1.53
sdW=508.5
fwW=1.45
sdS=1013.9
fwS=1.81
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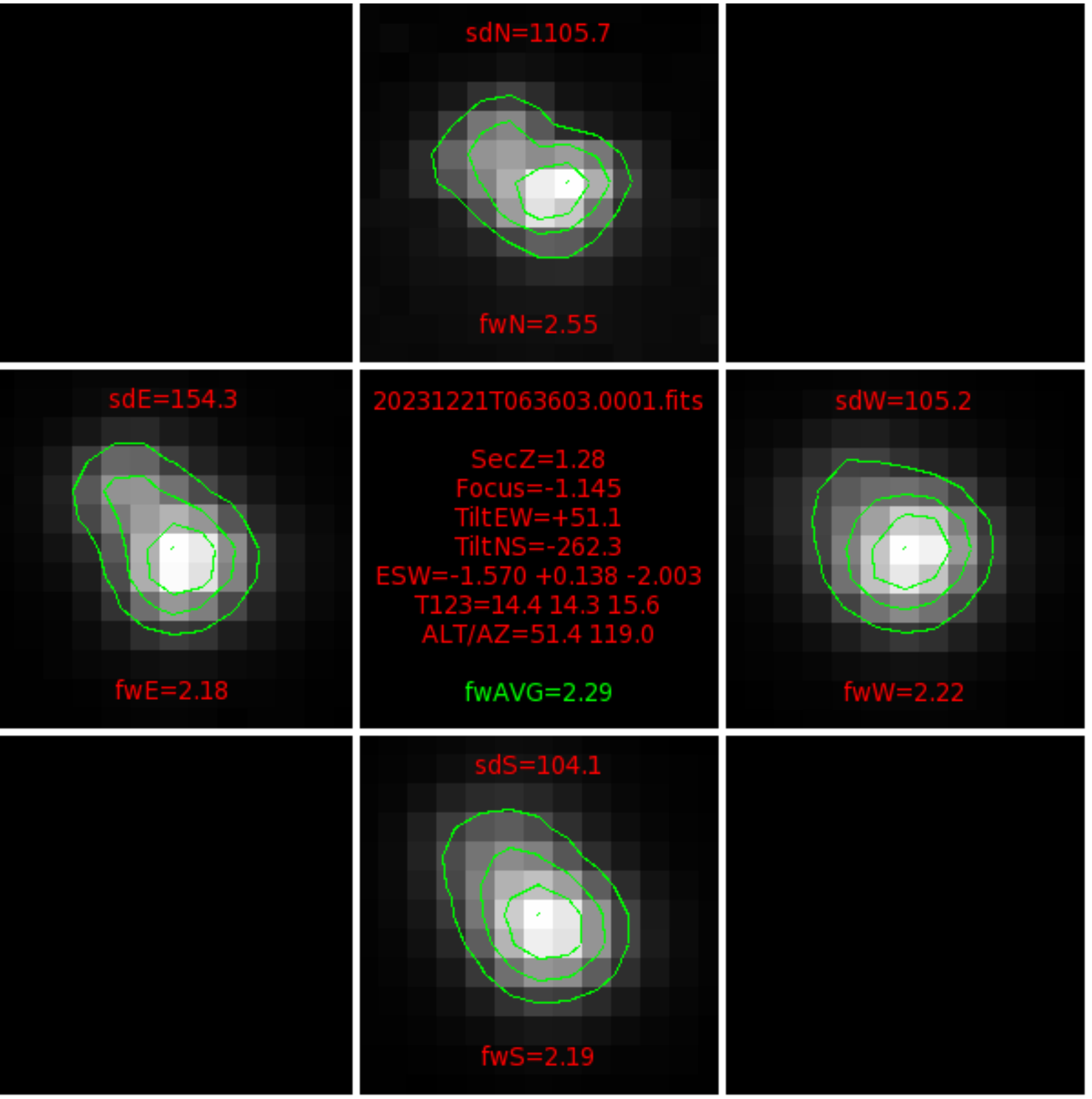
sdN=1105.7
fwN=2.55
sdE=154.3
fwE=2.18
20231221T063603.0001.fits
SecZ=1.28
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.4 14.3 15.6
ALT/AZ=51.4 119.0
fwAVG=2.29
sdW=105.2
fwW=2.22
sdS=104.1
fwS=2.19
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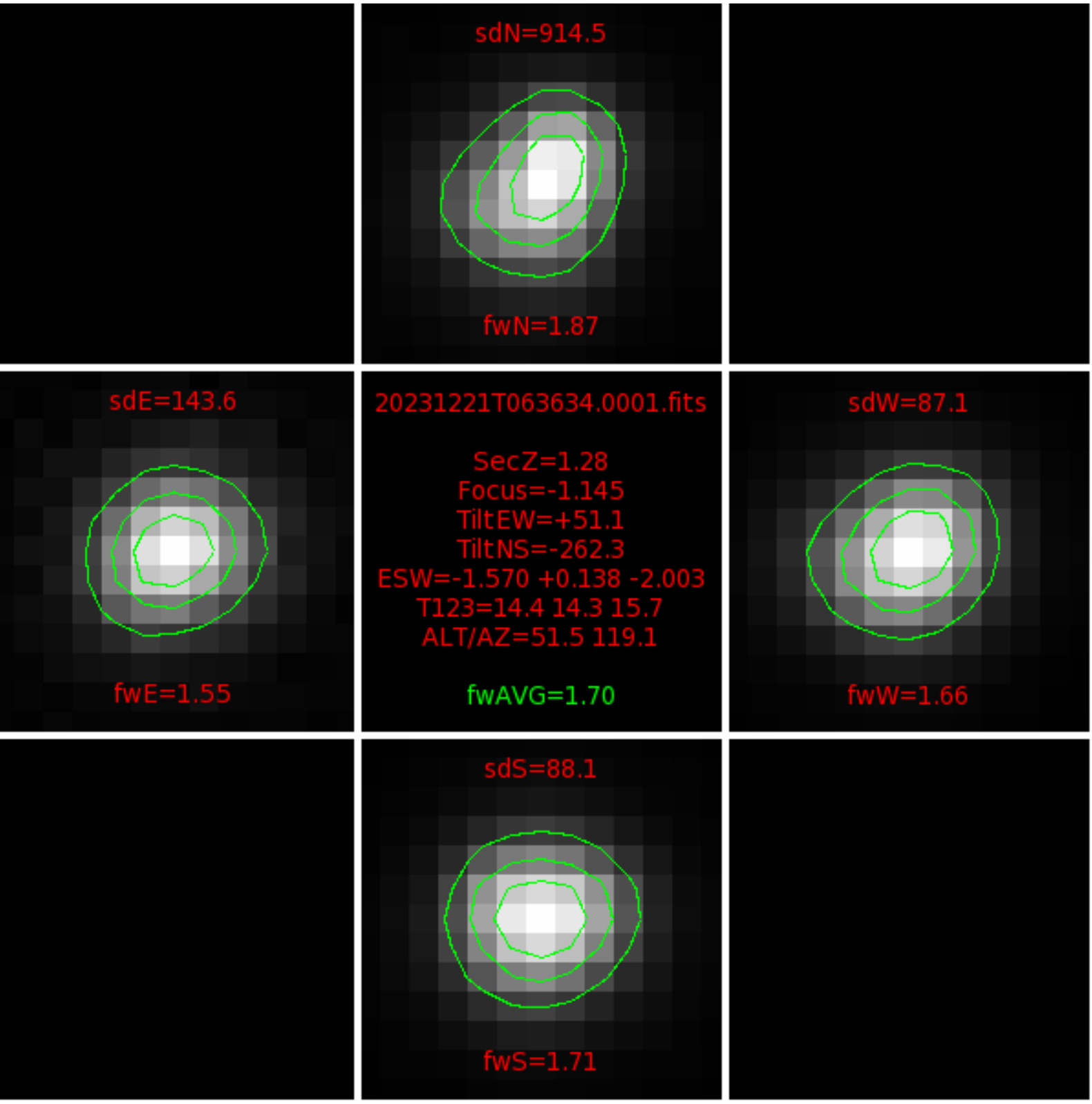
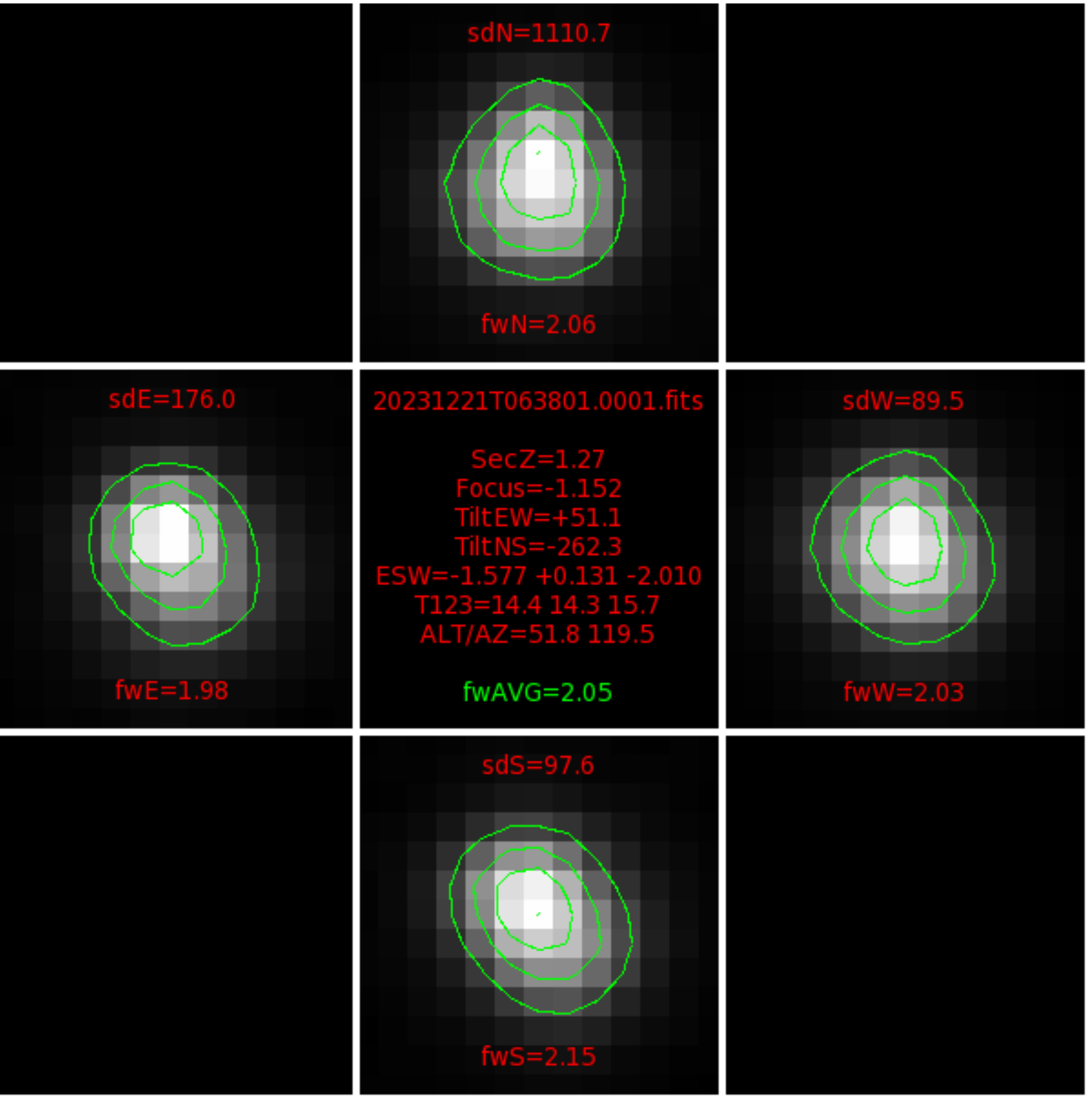

sdN=914.5
fwN=1.87
sdE=143.6
fwE=1.55
20231221T063634.0001.fits
SecZ=1.28
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.4 14.3 15.7
ALT/AZ=51.5 119.1
fwAVG=1.70
sdW=87.1
fwW=1.66
sdS=88.1
fwS=1.71
0 0 0 0 0 0 0 0 0


sdN=1110.7
fwN=2.06
sdE=176.0
fwE=1.98
20231221T063801.0001.fits
SecZ=1.27
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.4 14.3 15.7
ALT/AZ=51.8 119.5
fwAVG=2.05
sdW=89.5
fwW=2.03
sdS=97.6
fwS=2.15
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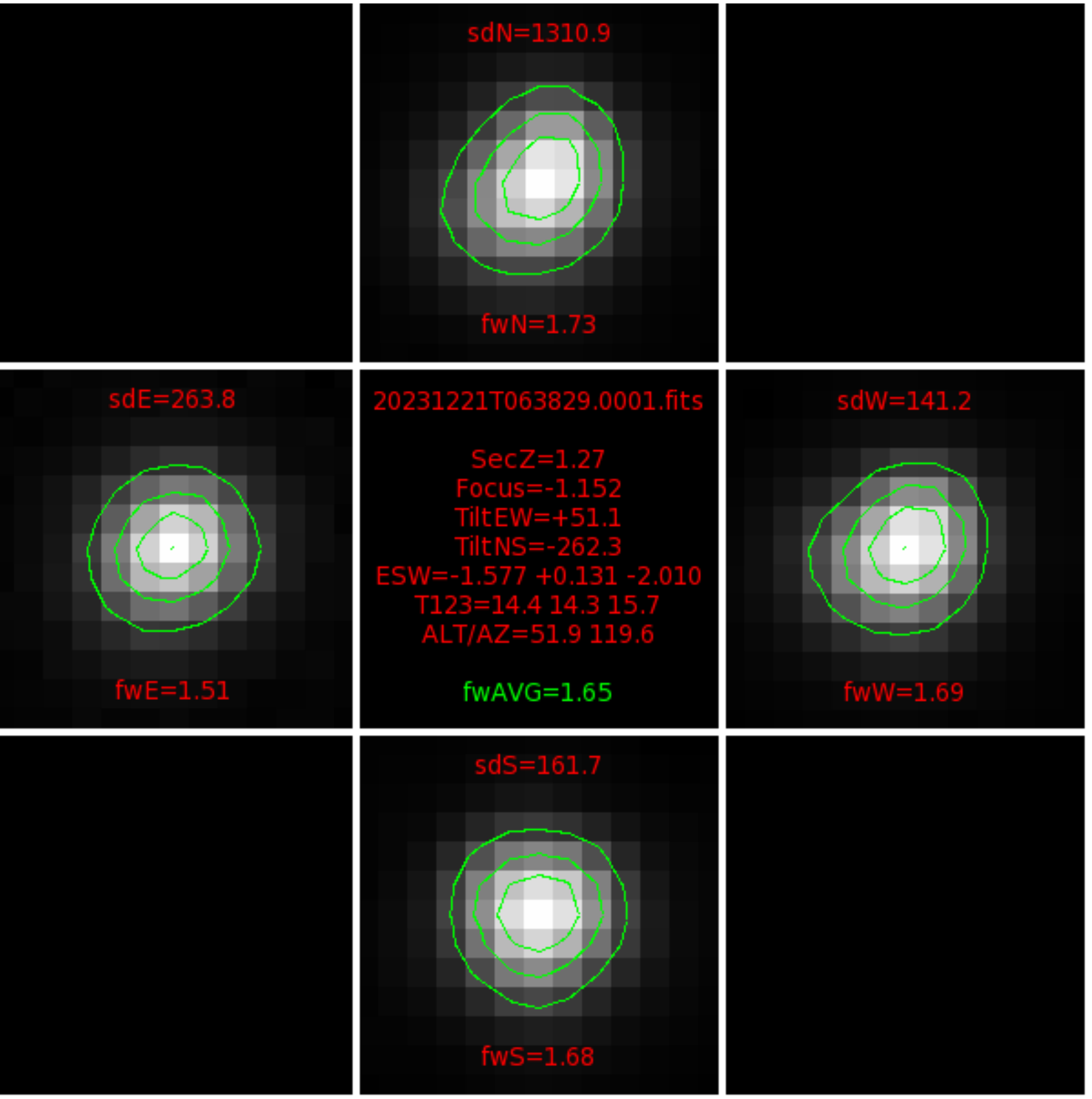
sdN=1310.9
fwN=1.73
sdE=263.8
fwE=1.51
20231221T063829.0001.fits
SecZ=1.27
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.4 14.3 15.7
ALT/AZ=51.9 119.6
fwAVG=1.65
sdW=141.2
fwW=1.69
sdS=161.7
fwS=1.68
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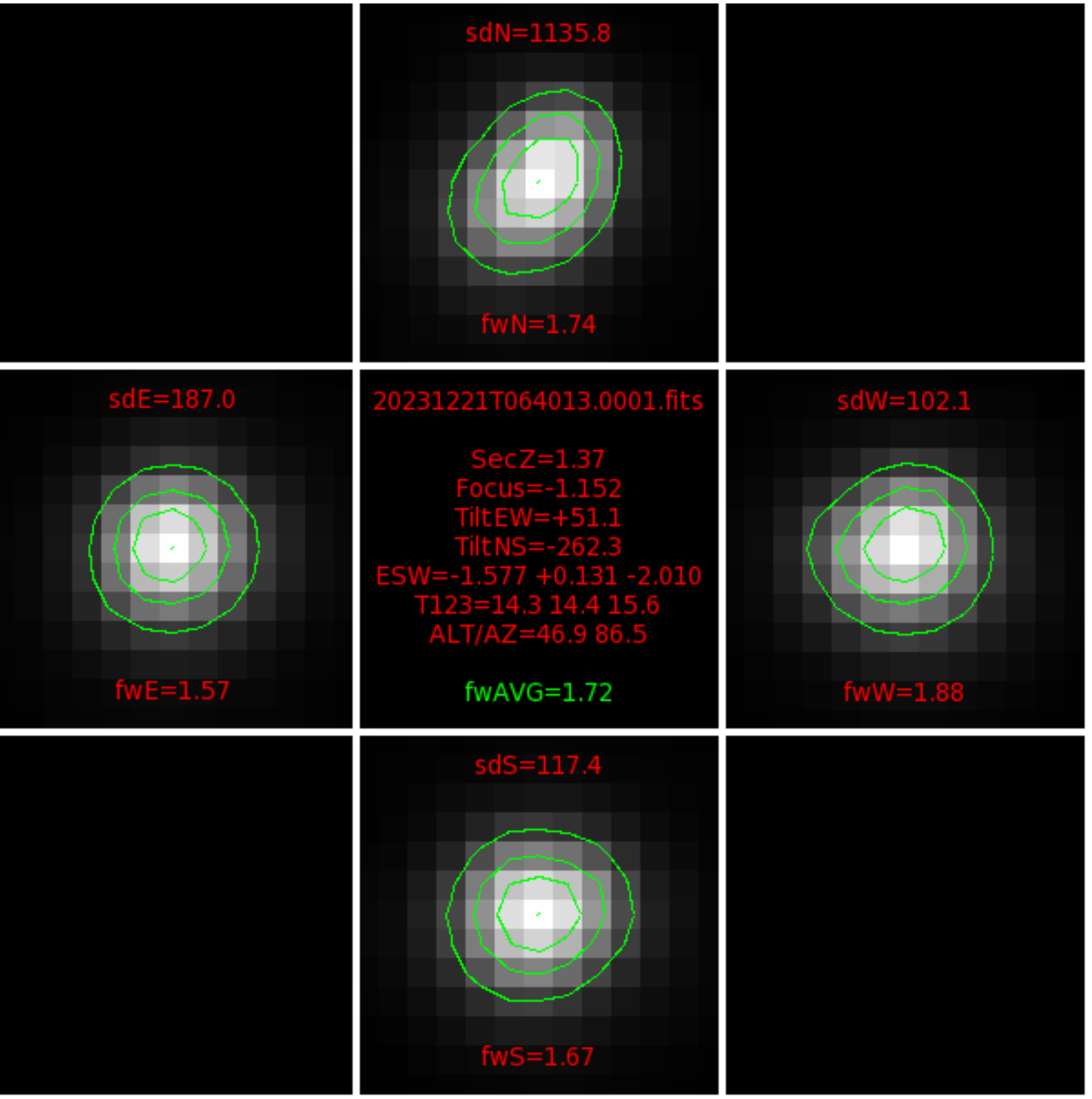
sdN=1135.8
fwN=1.74
sdE=187.0
fwE=1.57
20231221T064013.0001.fits
SecZ=1.37
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.3 14.4 15.6
ALT/AZ=46.9 86.5
fwAVG=1.72
sdW=102.1
fwW=1.88
sdS=117.4
fwS=1.67
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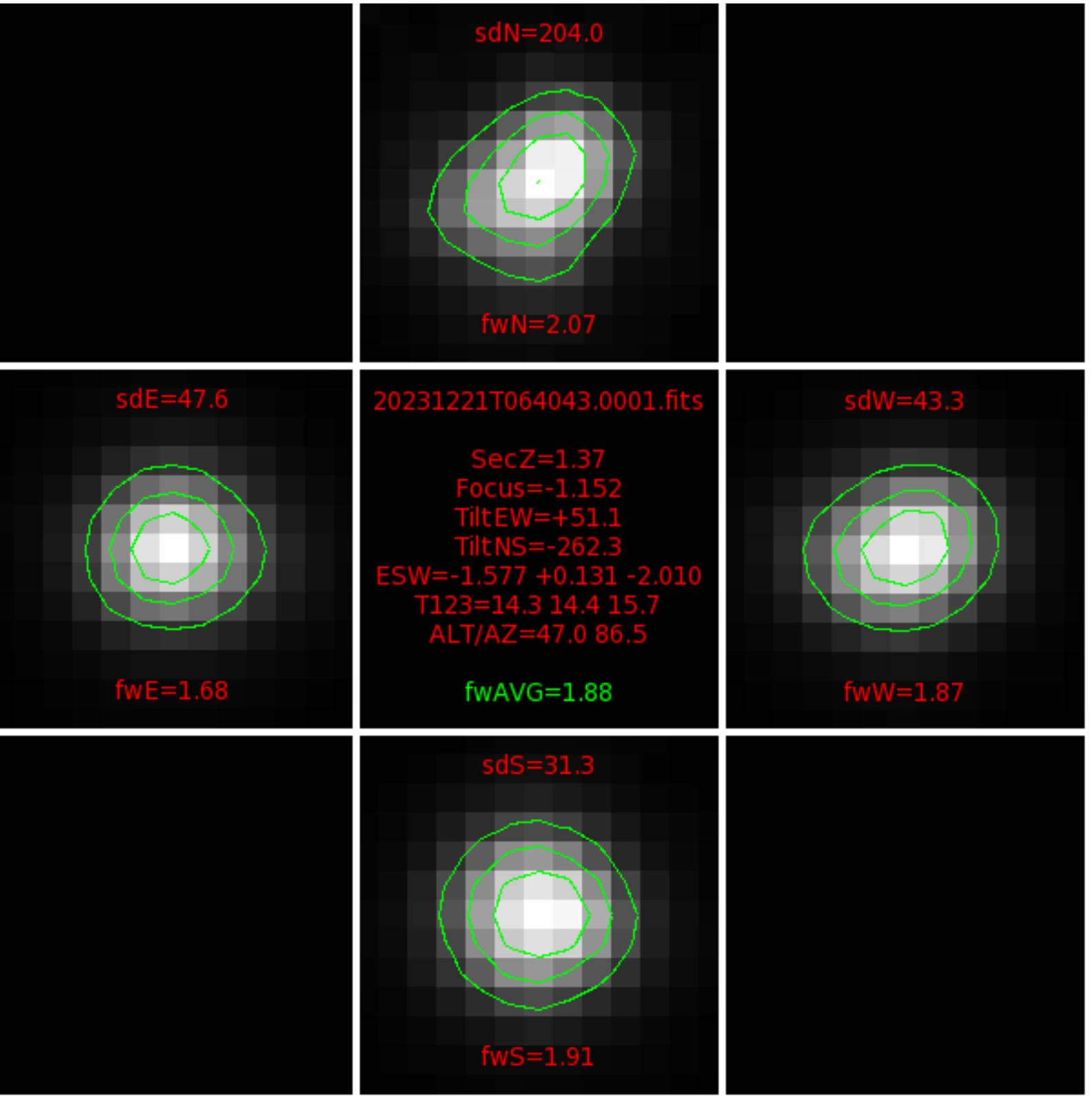
sdN=204.0
fwN=2.07
sdE=47.6
fwE=1.68
20231221T064043.0001.fits
SecZ=1.37
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.3 14.4 15.7
ALT/AZ=47.0 86.5
fwAVG=1.88
sdW=43.3
fwW=1.87
sdS=31.3
fwS=1.91
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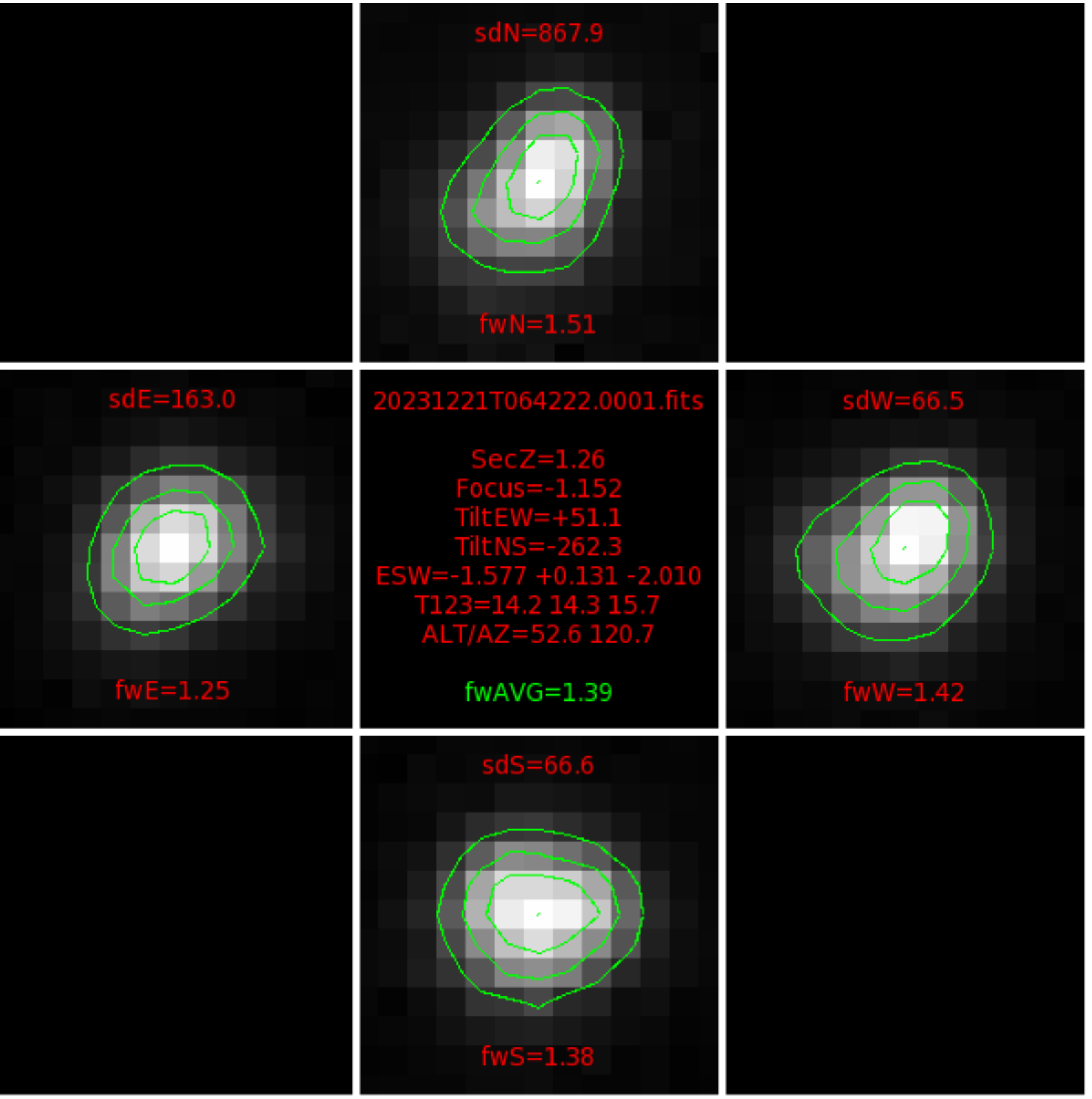
sdN=867.9
fwN=1.51
sdE=163.0
fwE=1.25
20231221T064222.0001.fits
SecZ=1.26
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.2 14.3 15.7
ALT/AZ=52.6 120.7
fwAVG=1.39
sdW=66.5
fwW=1.42
sdS=66.6
fwS=1.38
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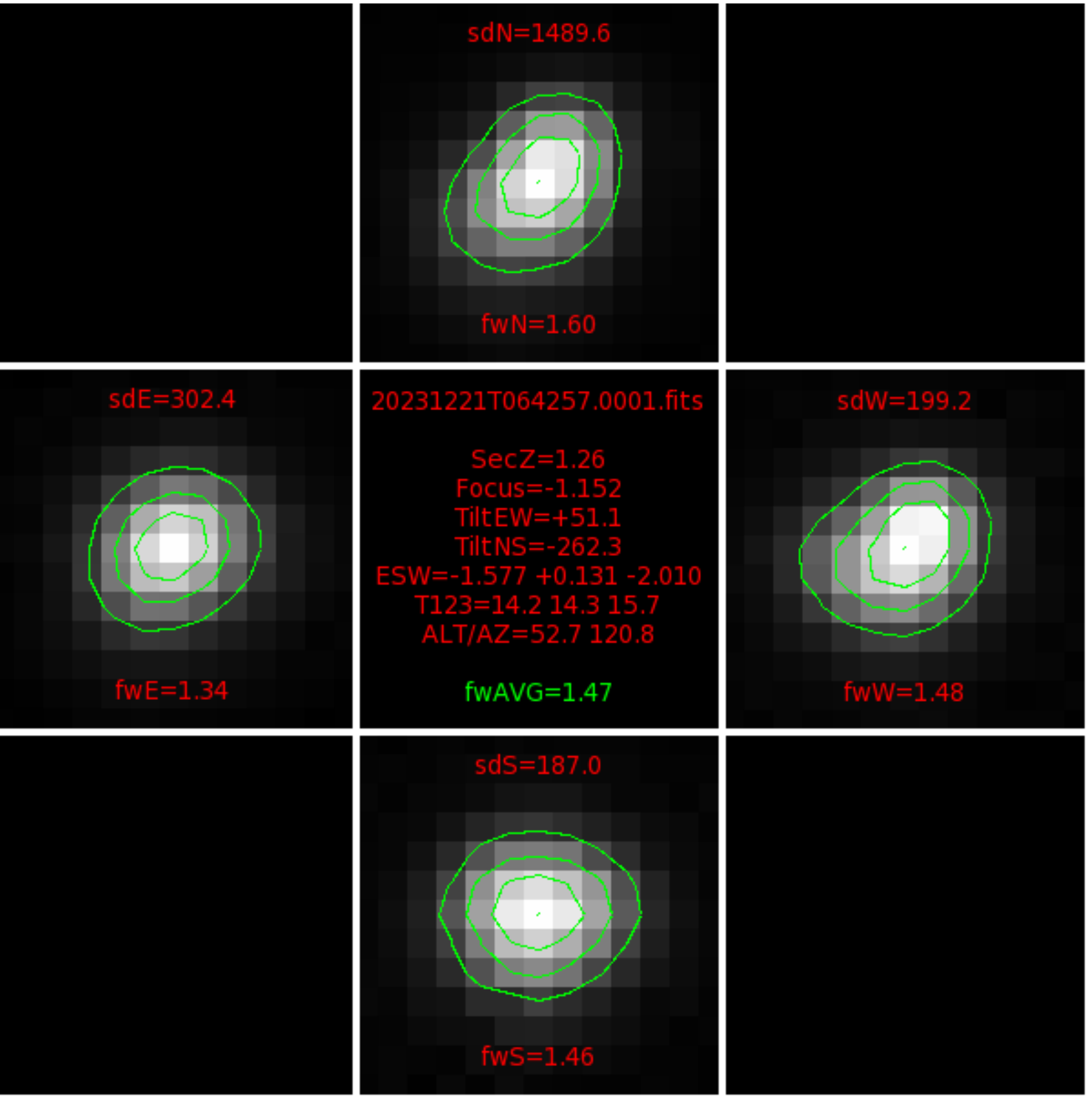
sdN=1489.6
fwN=1.60
sdE=302.4
fwE=1.34
20231221T064257.0001.fits
SecZ=1.26
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.2 14.3 15.7
ALT/AZ=52.7 120.8
fwAVG=1.47
sdW=199.2
fwW=1.48
sdS=187.0
fwS=1.46
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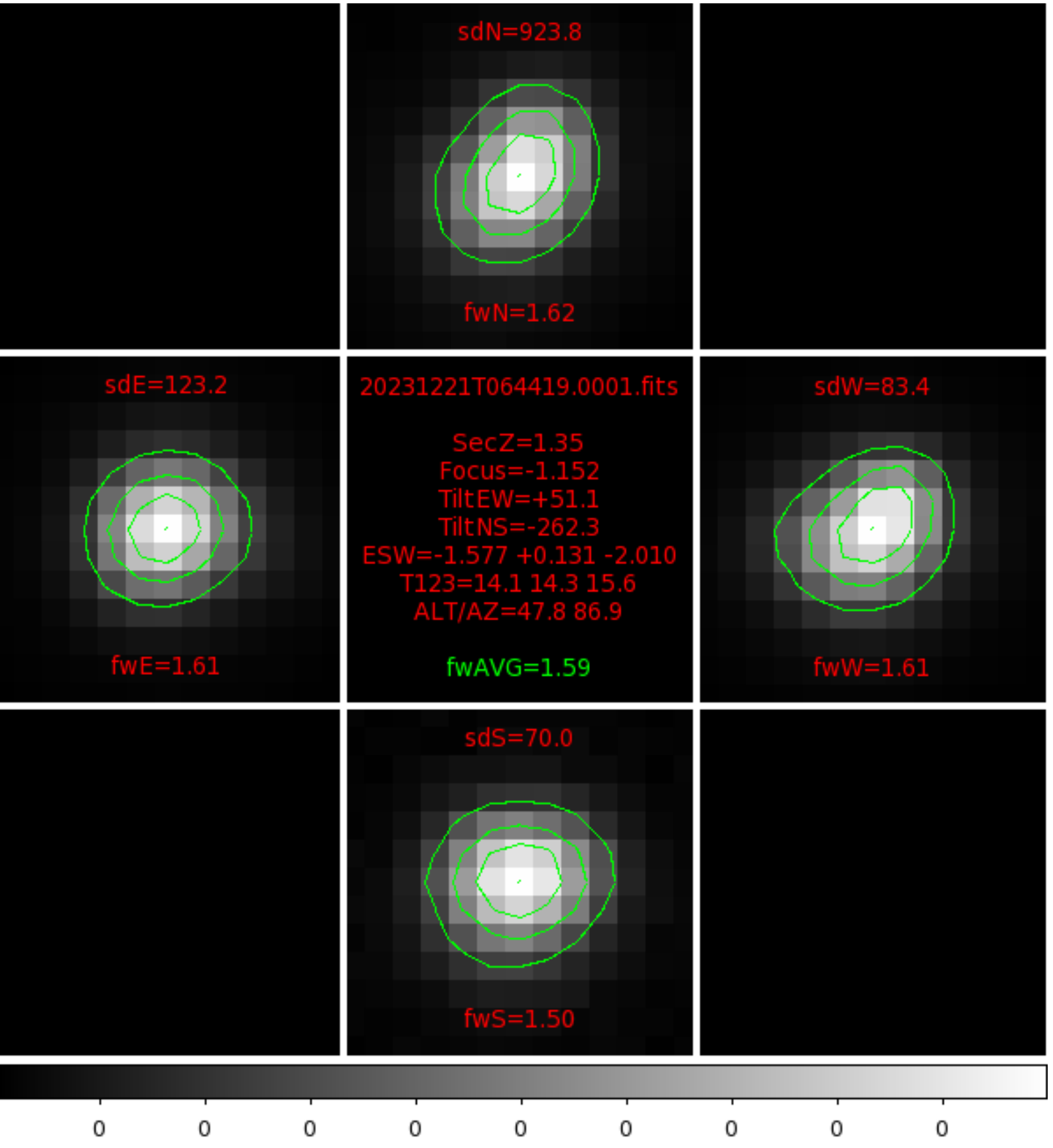
sdN=923.8
fwN=1.62
sdE=123.2
fwE=1.61
20231221T064419.0001.fits
SecZ=1.35
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.1 14.3 15.6
ALT/AZ=47.8 86.9
fwAVG=1.59
sdW=83.4
fwW=1.61
sdS=70.0
fwS=1.50
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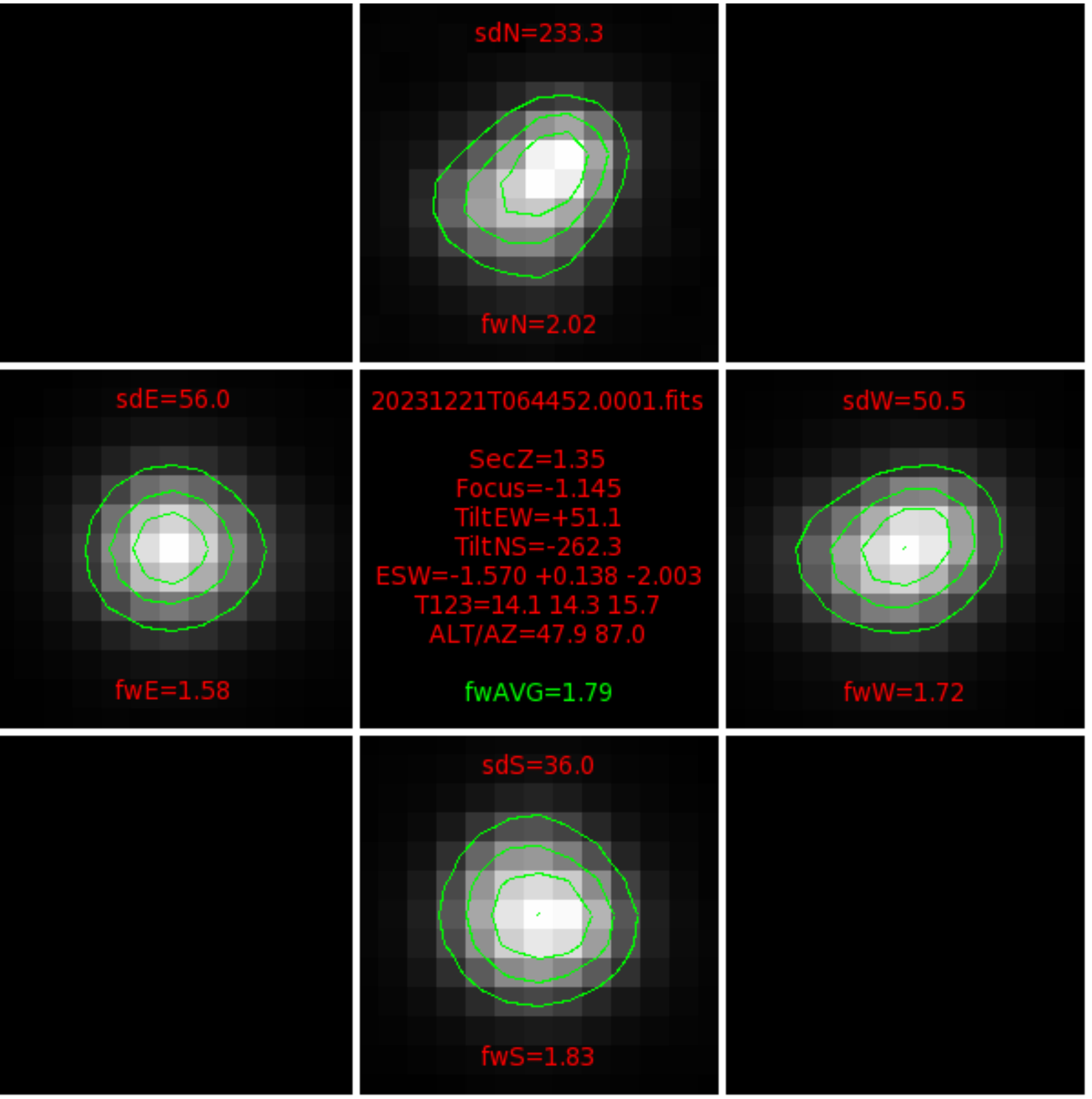
sdN=233.3
fwN=2.02
sdE=56.0
fwE=1.58
20231221T064452.0001.fits
SecZ=1.35
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.1 14.3 15.7
ALT/AZ=47.9 87.0
fwAVG=1.79
sdW=50.5
fwW=1.72
sdS=36.0
fwS=1.83
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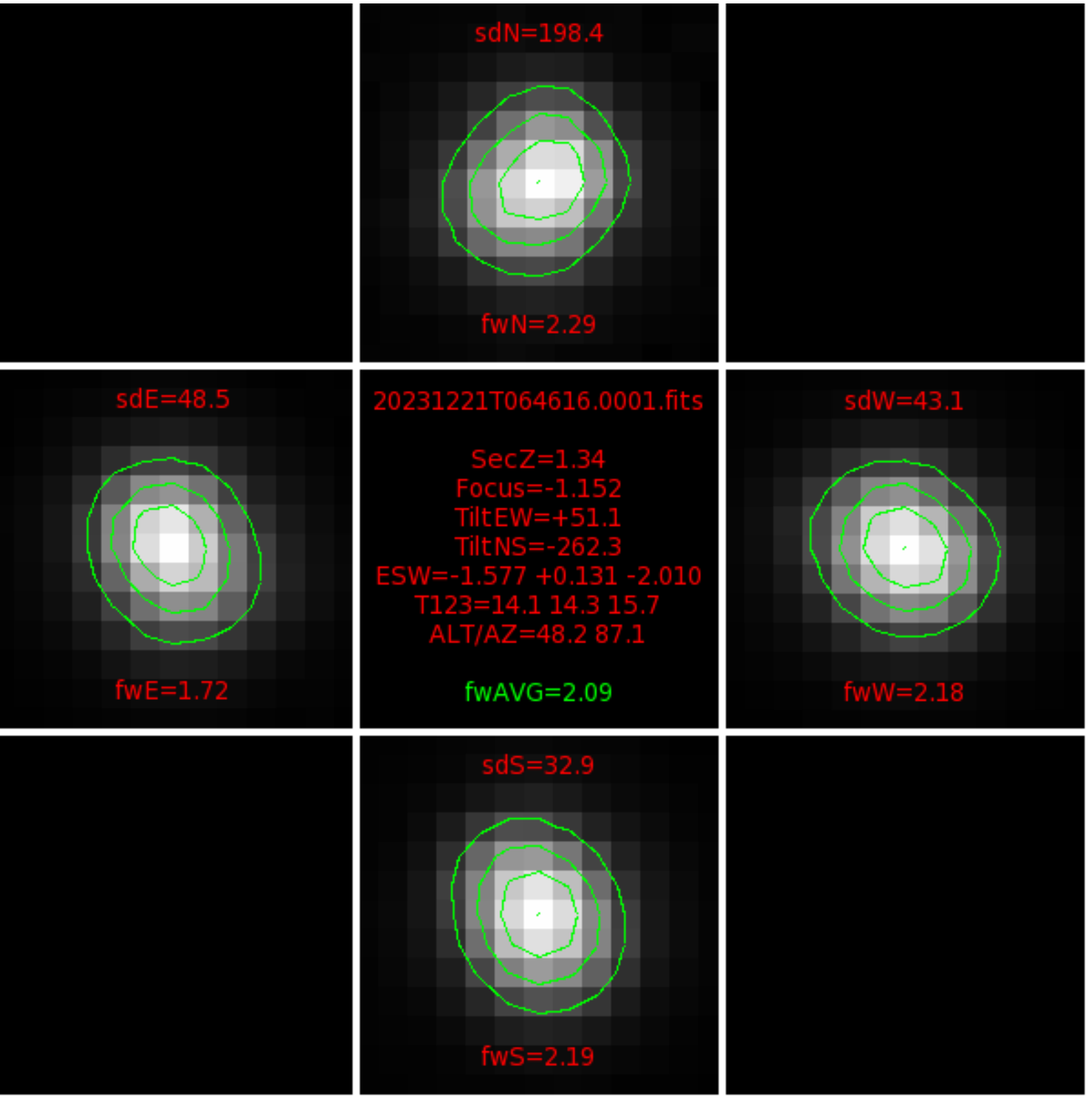
sdN=198.4
fwN=2.29
sdE=48.5
fwE=1.72
20231221T064616.0001.fits
SecZ=1.34
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.1 14.3 15.7
ALT/AZ=48.2 87.1
fwAVG=2.09
sdW=43.1
fwW=2.18
sdS=32.9
fwS=2.19
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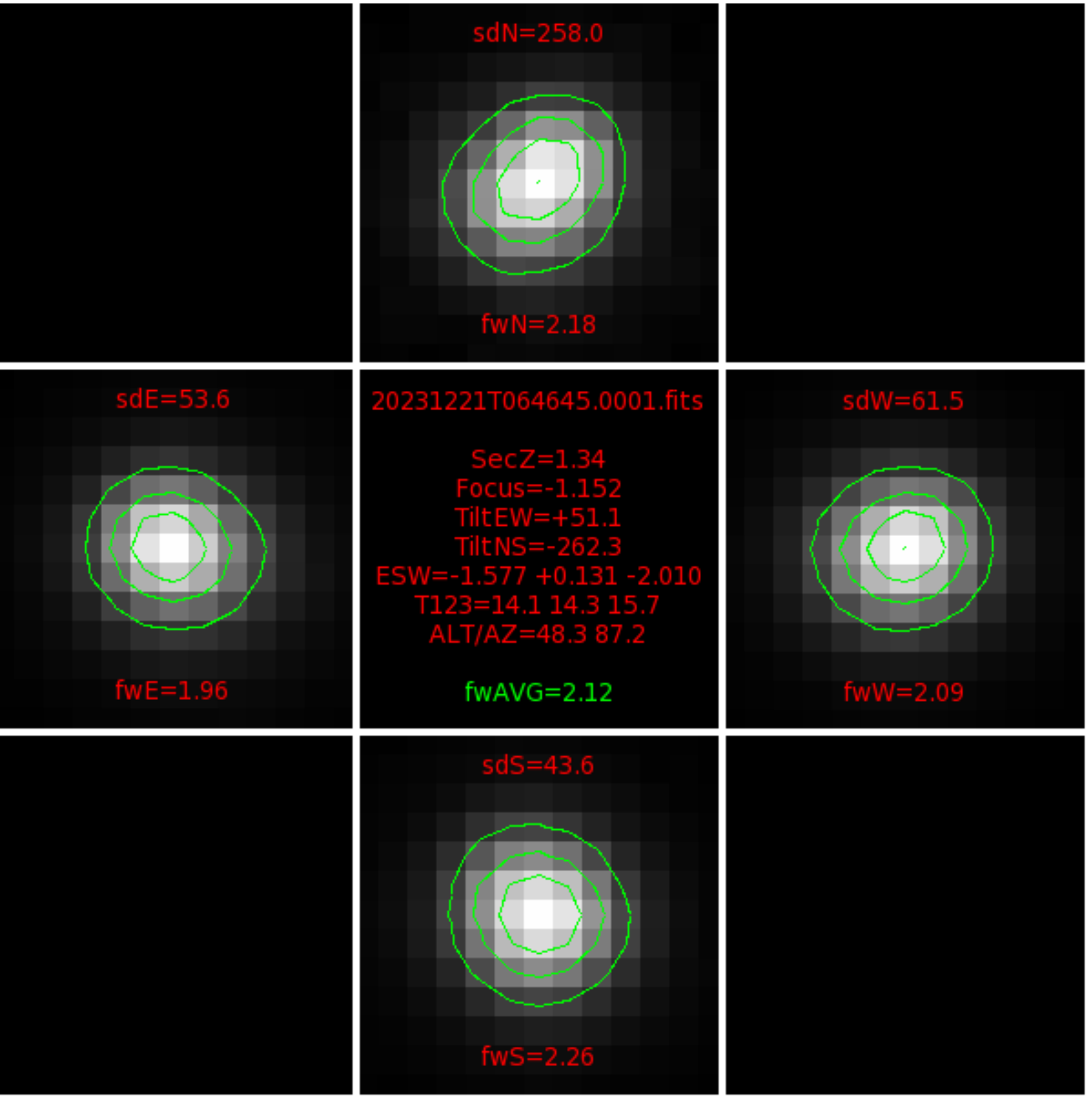
sdN=258.0
fwN=2.18
sdE=53.6
fwE=1.96
20231221T064645.0001.fits
SecZ=1.34
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.1 14.3 15.7
ALT/AZ=48.3 87.2
fwAVG=2.12
sdW=61.5
fwW=2.09
sdS=43.6
fwS=2.26
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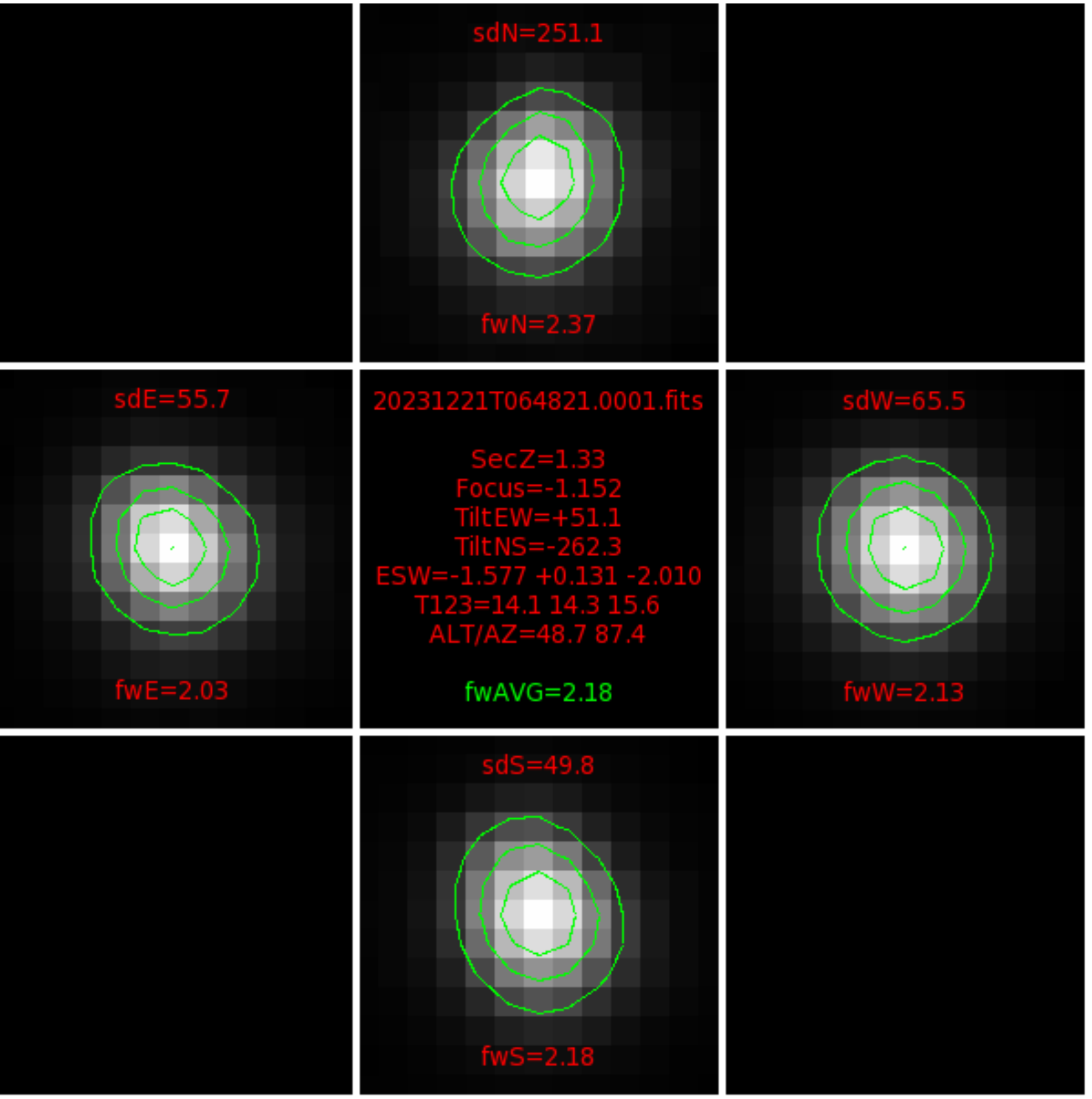
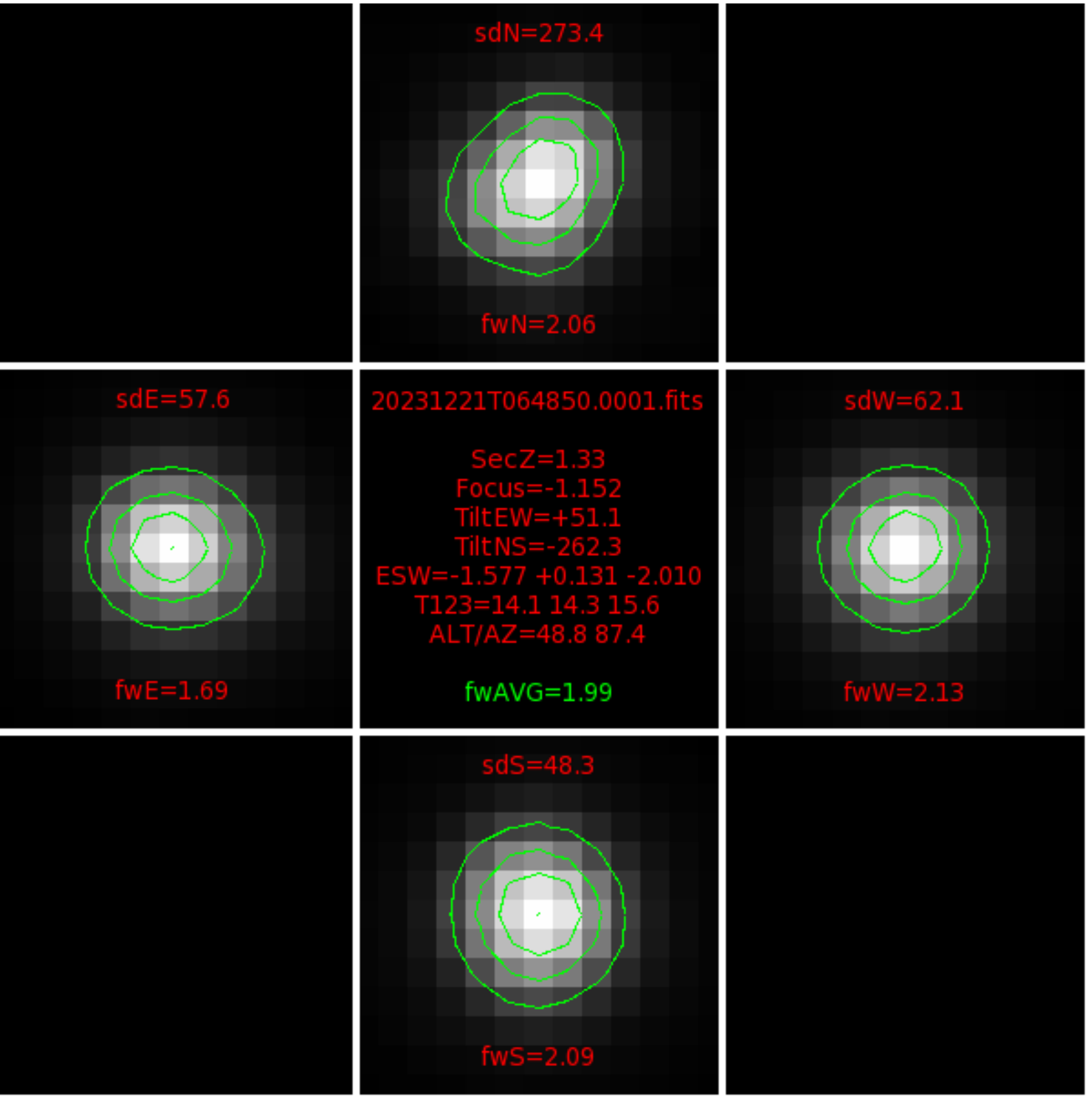

sdN=251.1
fwN=2.37
sdE=55.7
fwE=2.03
20231221T064821.0001.fits
SecZ=1.33
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.1 14.3 15.6
ALT/AZ=48.7 87.4
fwAVG=2.18
sdW=65.5
fwW=2.13
sdS=49.8
fwS=2.18
0 0 0 0 0 0 0 0 0


sdN=273.4
fwN=2.06
sdE=57.6
fwE=1.69
20231221T064850.0001.fits
SecZ=1.33
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.1 14.3 15.6
ALT/AZ=48.8 87.4
fwAVG=1.99
sdW=62.1
fwW=2.13
sdS=48.3
fwS=2.09
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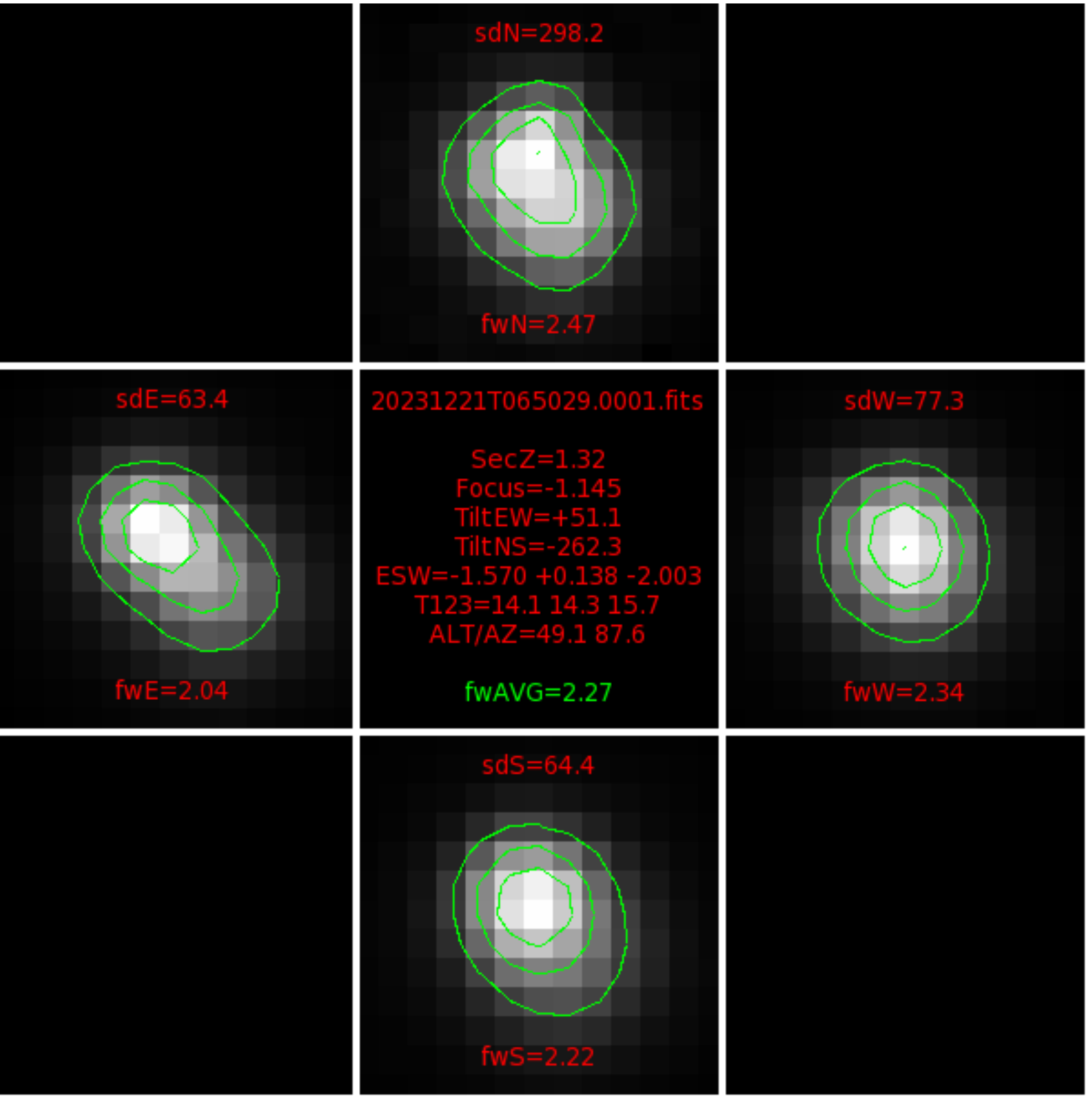
sdN=298.2
fwN=2.47
sdE=63.4
fwE=2.04
20231221T065029.0001.fits
SecZ=1.32
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.1 14.3 15.7
ALT/AZ=49.1 87.6
fwAVG=2.27
sdW=77.3
fwW=2.34
sdS=64.4
fwS=2.22
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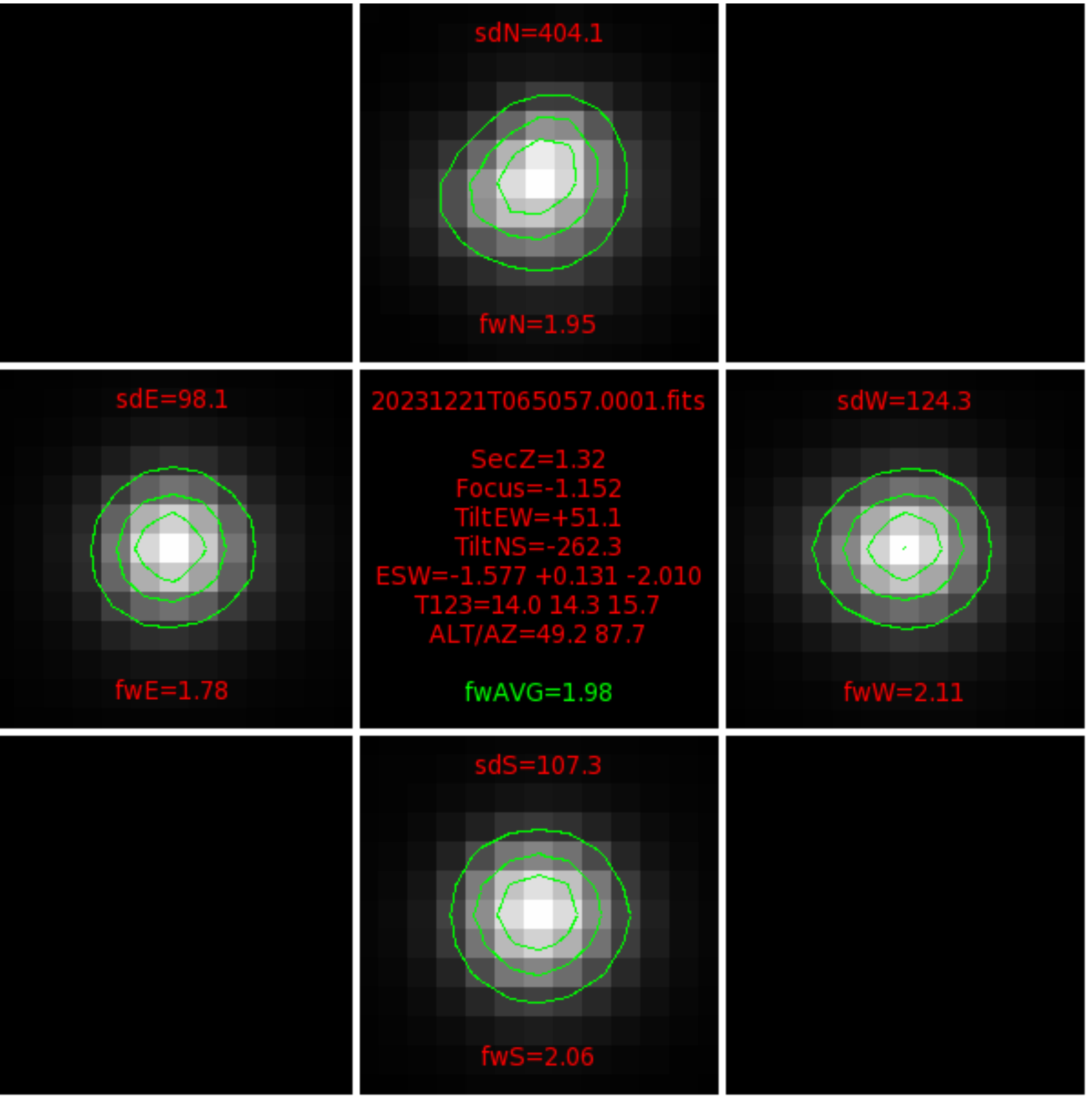
sdN=404.1
fwN=1.95
sdE=98.1
fwE=1.78
20231221T065057.0001.fits
SecZ=1.32
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.0 14.3 15.7
ALT/AZ=49.2 87.7
fwAVG=1.98
sdW=124.3
fwW=2.11
sdS=107.3
fwS=2.06
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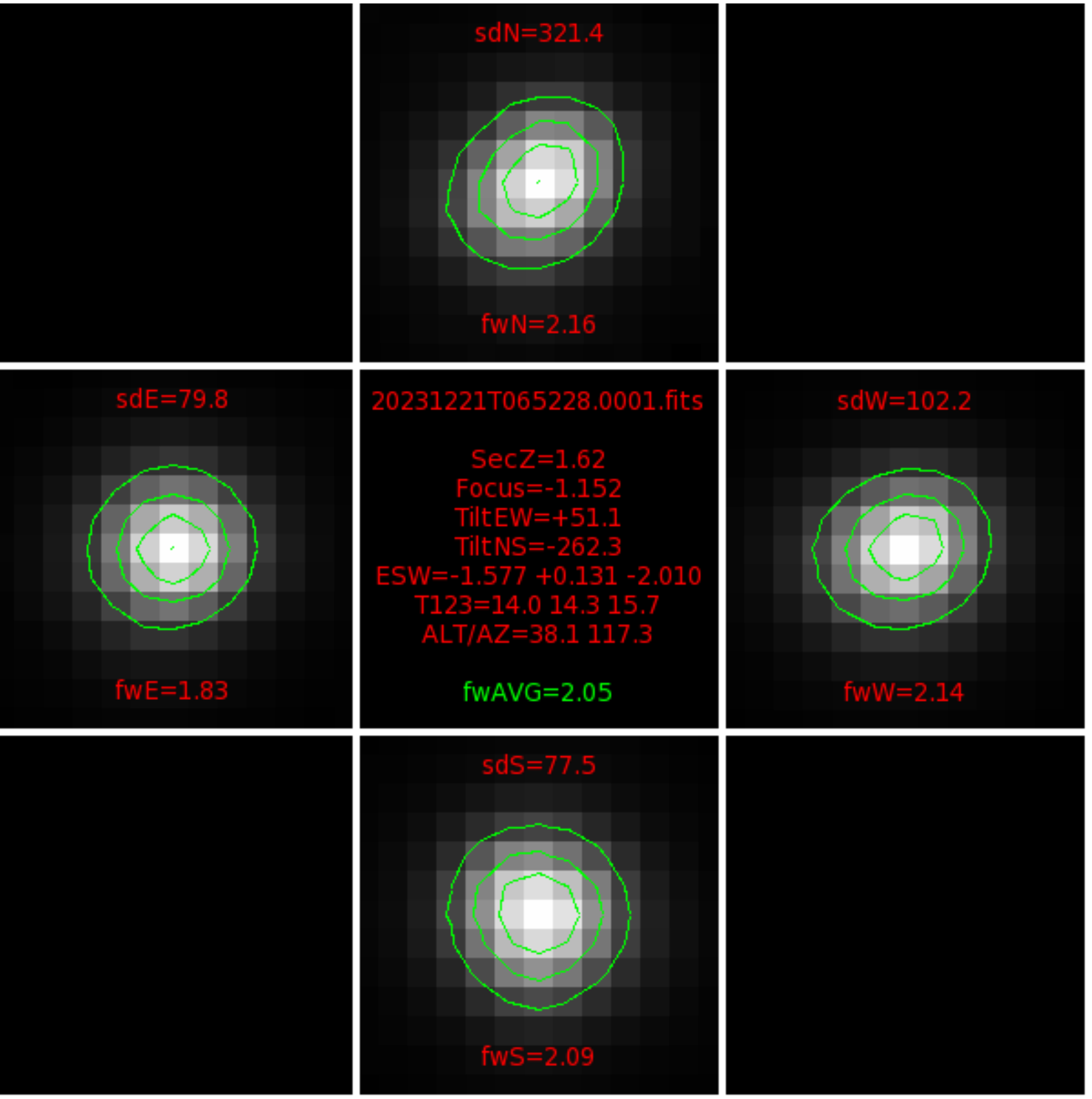
sdN=321.4
fwN=2.16
sdE=79.8
fwE=1.83
20231221T065228.0001.fits
SecZ=1.62
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.0 14.3 15.7
ALT/AZ=38.1 117.3
fwAVG=2.05
sdW=102.2
fwW=2.14
sdS=77.5
fwS=2.09
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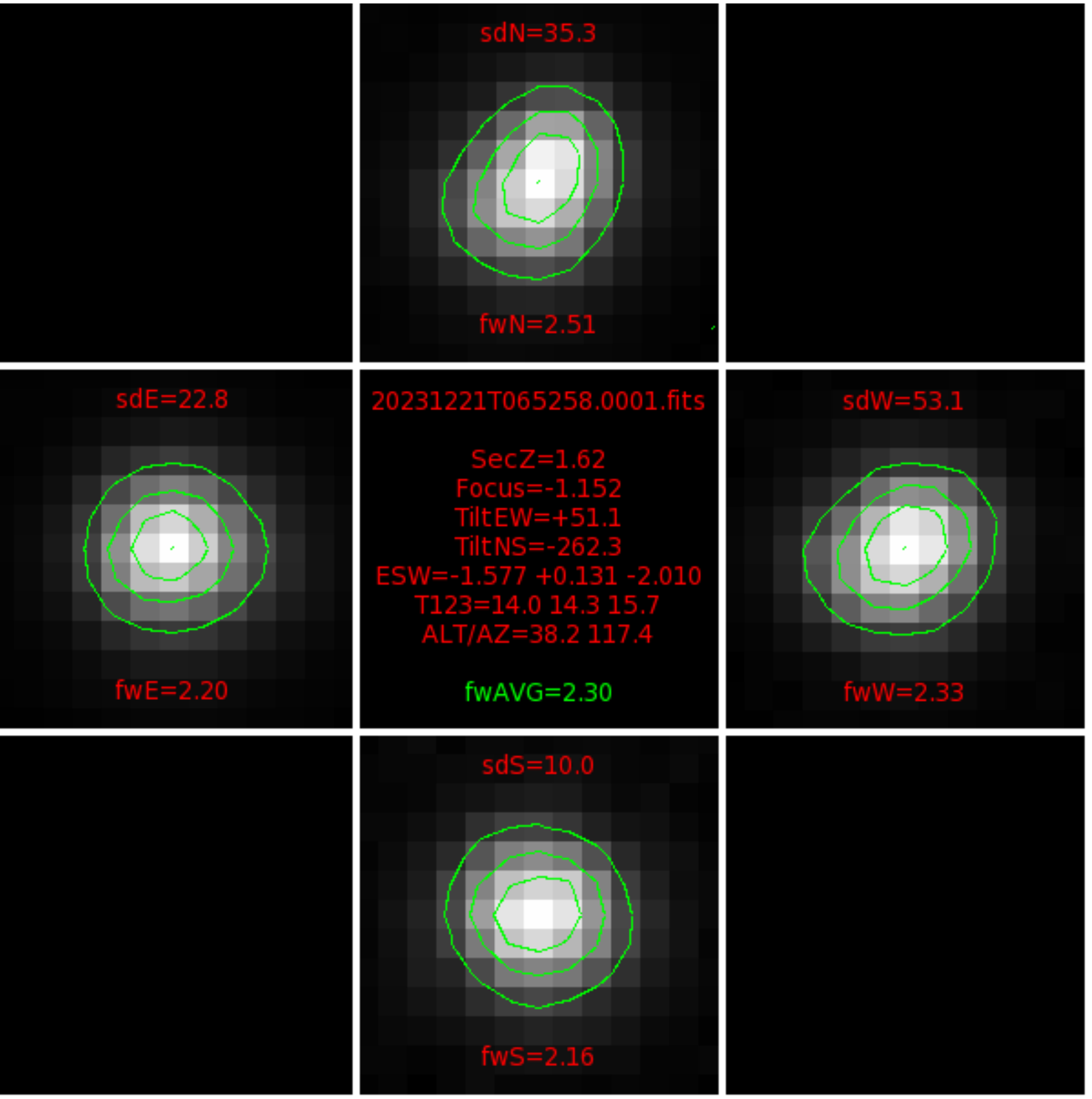
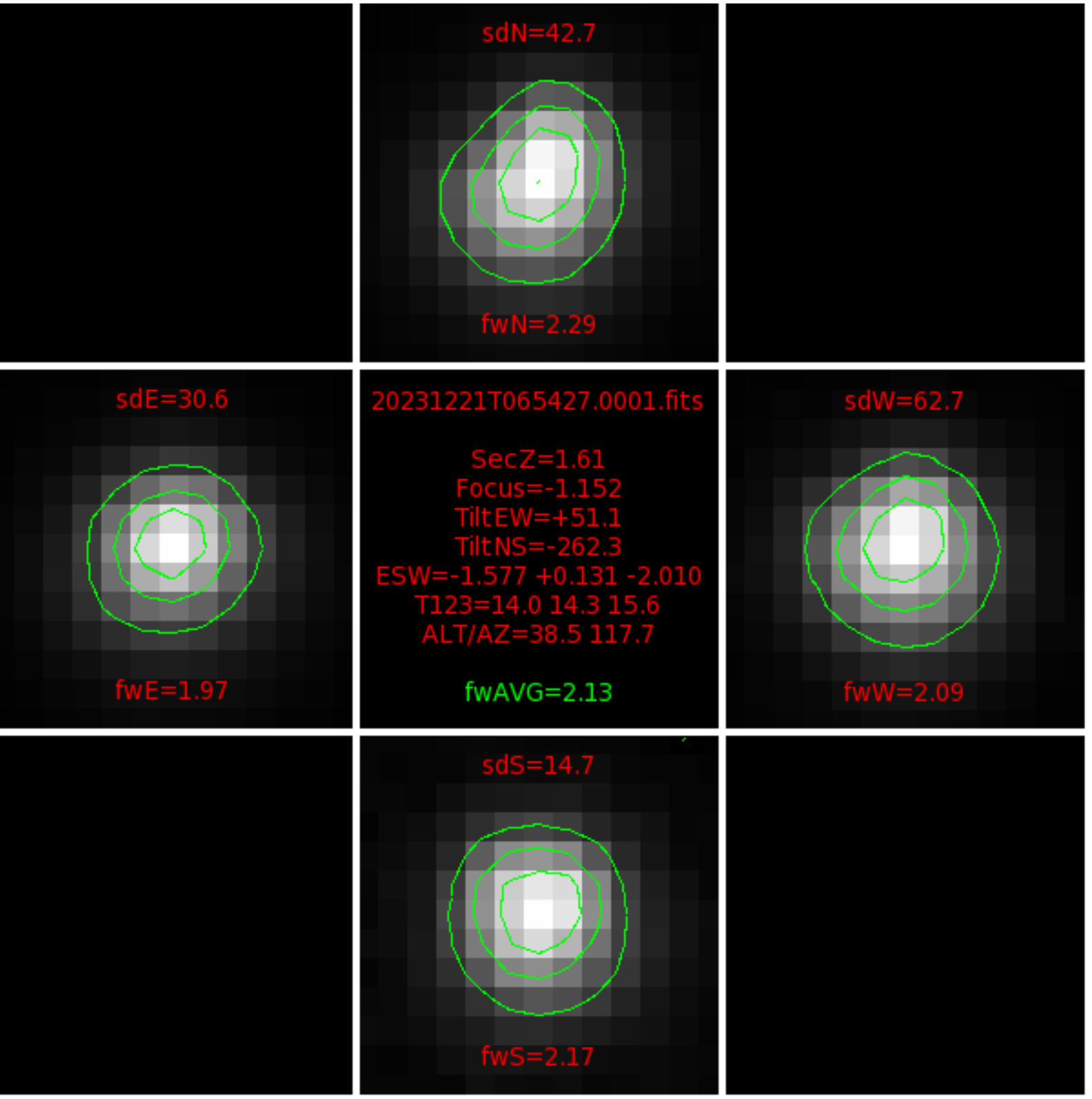
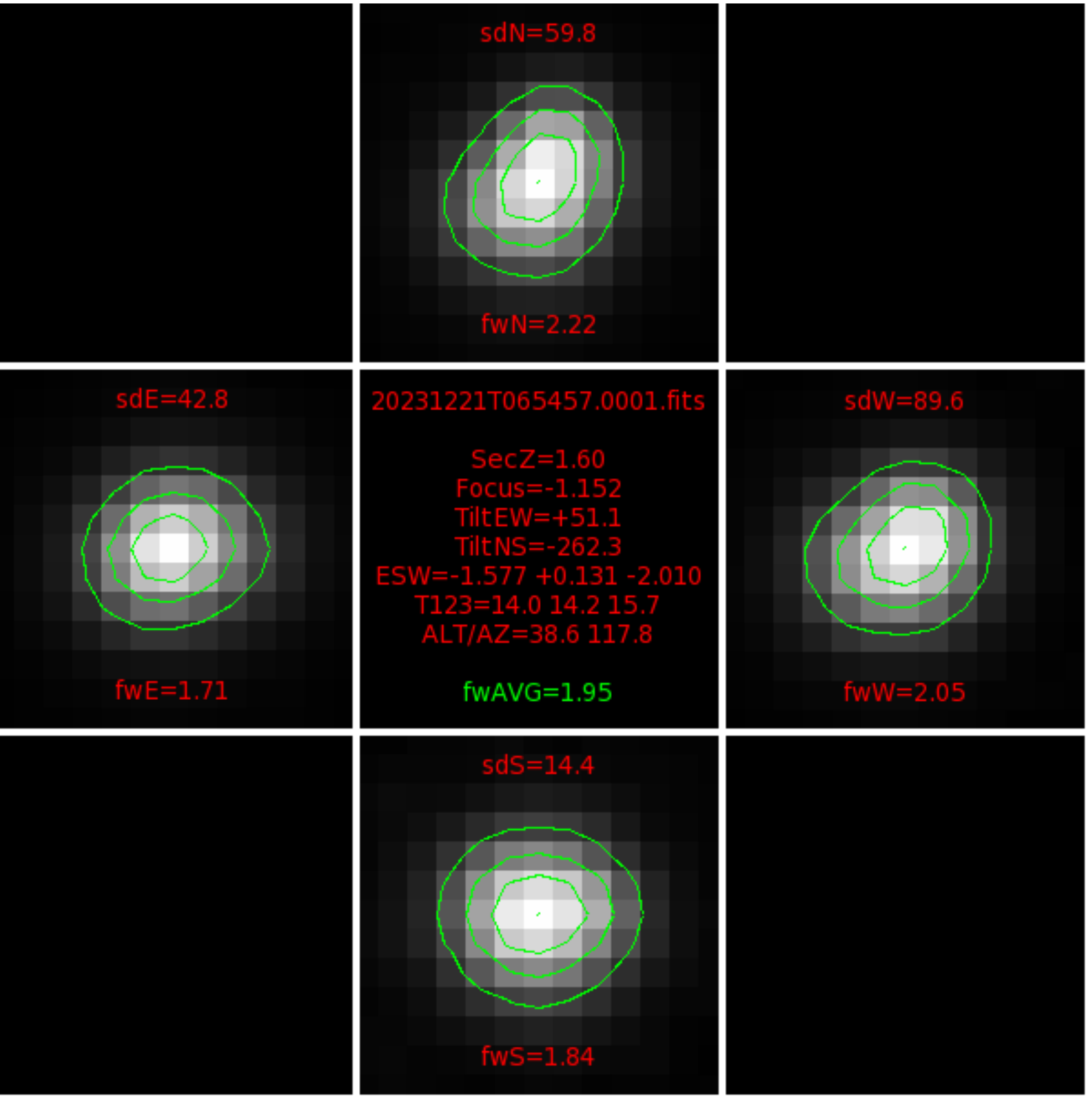

sdN=35.3
fwN=2.51
sdE=22.8
fwE=2.20
20231221T065258.0001.fits
SecZ=1.62
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.0 14.3 15.7
ALT/AZ=38.2 117.4
fwAVG=2.30
sdW=53.1
fwW=2.33
sdS=10.0
fwS=2.16
0 0 0 0 0 0 0 0 0


sdN=42.7
fwN=2.29
sdE=30.6
fwE=1.97
20231221T065427.0001.fits
SecZ=1.61
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.0 14.3 15.6
ALT/AZ=38.5 117.7
fwAVG=2.13
sdW=62.7
fwW=2.09
sdS=14.7
fwS=2.17
0 0 0 0 0 0 0 0 0


sdN=59.8
fwN=2.22
sdE=42.8
fwE=1.71
20231221T065457.0001.fits
SecZ=1.60
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.0 14.2 15.7
ALT/AZ=38.6 117.8
fwAVG=1.95
sdW=89.6
fwW=2.05
sdS=14.4
fwS=1.84
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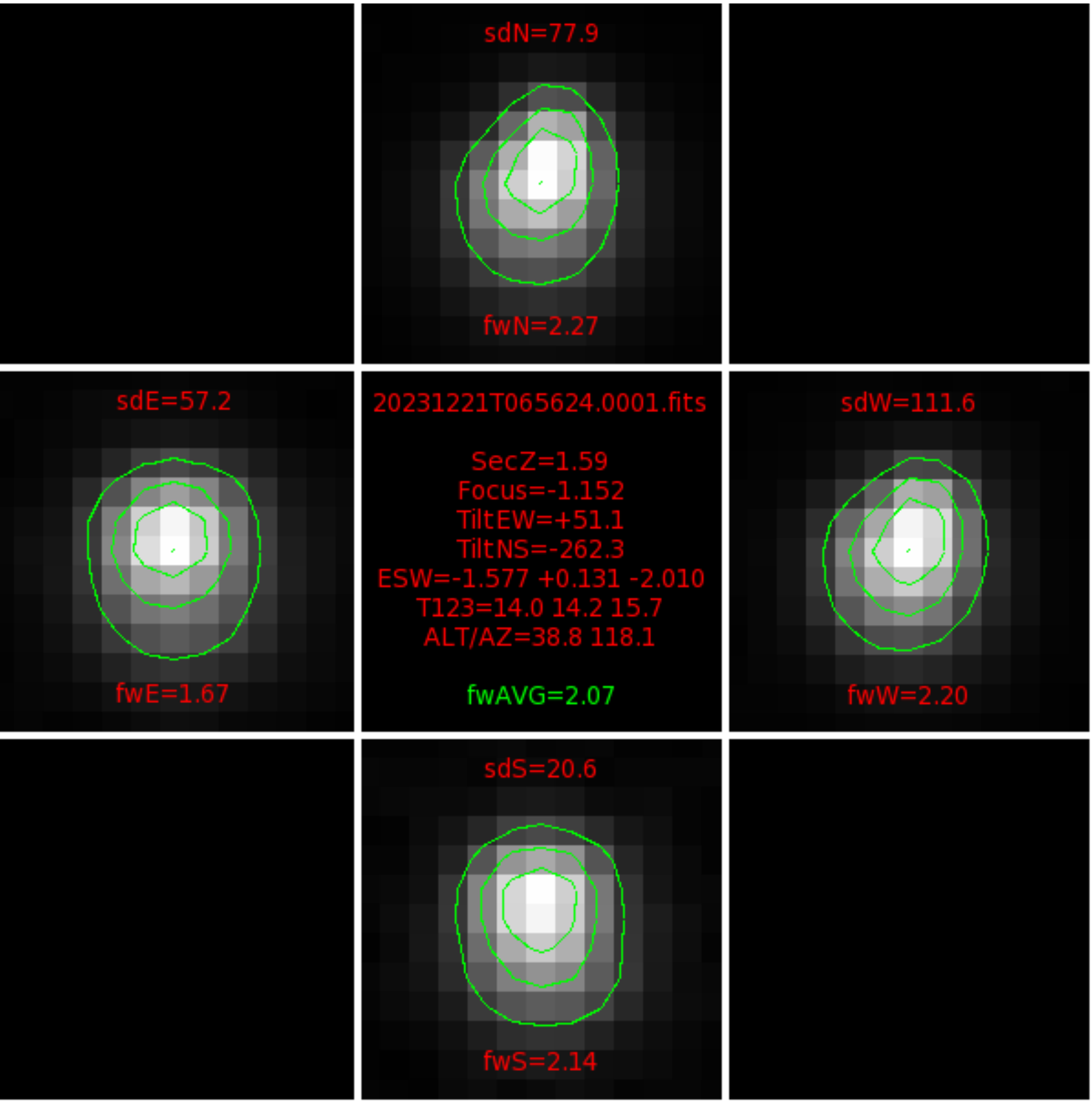
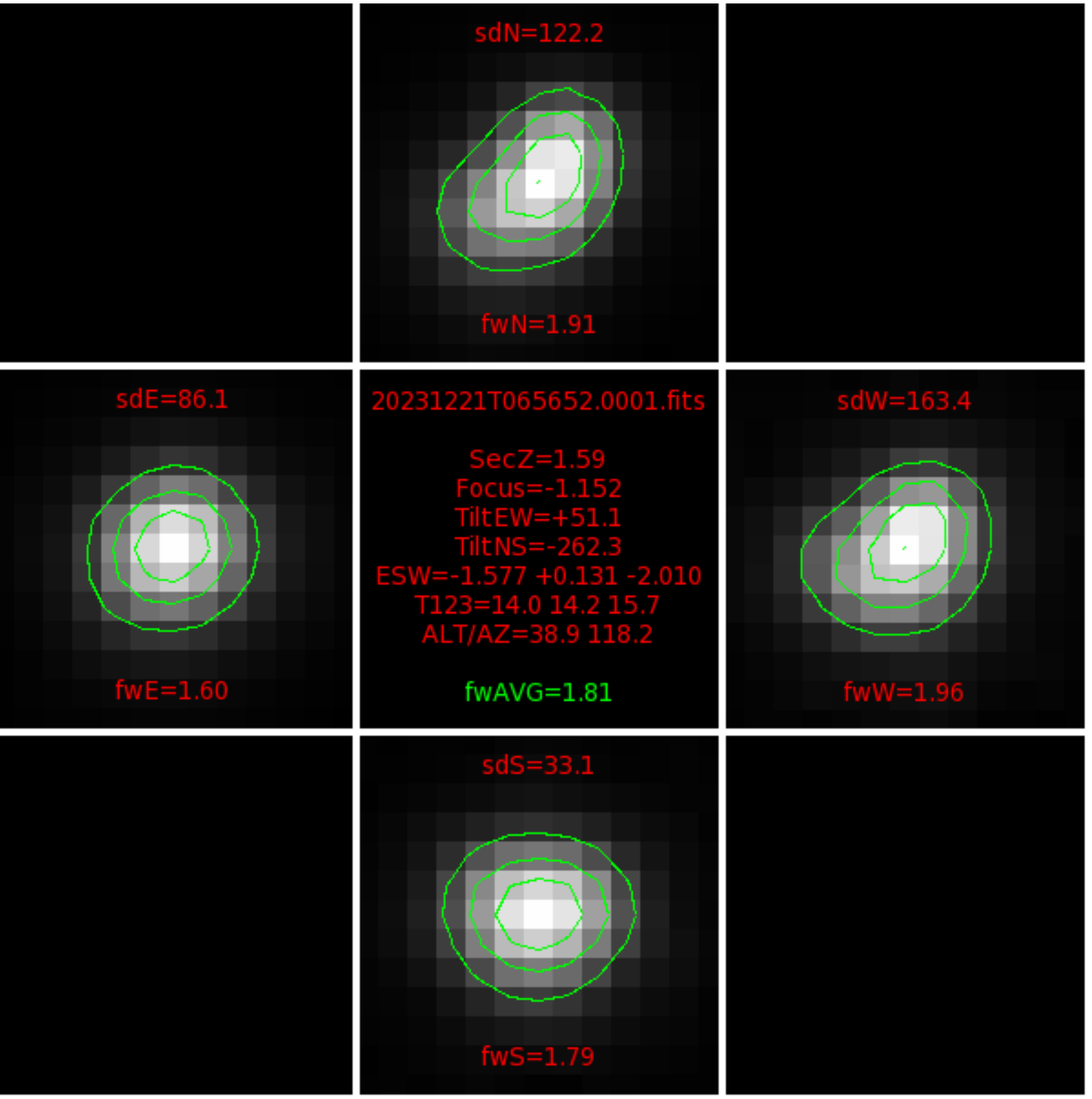

sdN=77.9
fwN=2.27
sdE=57.2
fwE=1.67
20231221T065624.0001.fits
SecZ=1.59
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.0 14.2 15.7
ALT/AZ=38.8 118.1
fwAVG=2.07
sdW=111.6
fwW=2.20
sdS=20.6
fwS=2.14
0 0 0 0 0 0 0 0 0


sdN=122.2
fwN=1.91
sdE=86.1
fwE=1.60
20231221T065652.0001.fits
SecZ=1.59
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.0 14.2 15.7
ALT/AZ=38.9 118.2
fwAVG=1.81
sdW=163.4
fwW=1.96
sdS=33.1
fwS=1.79
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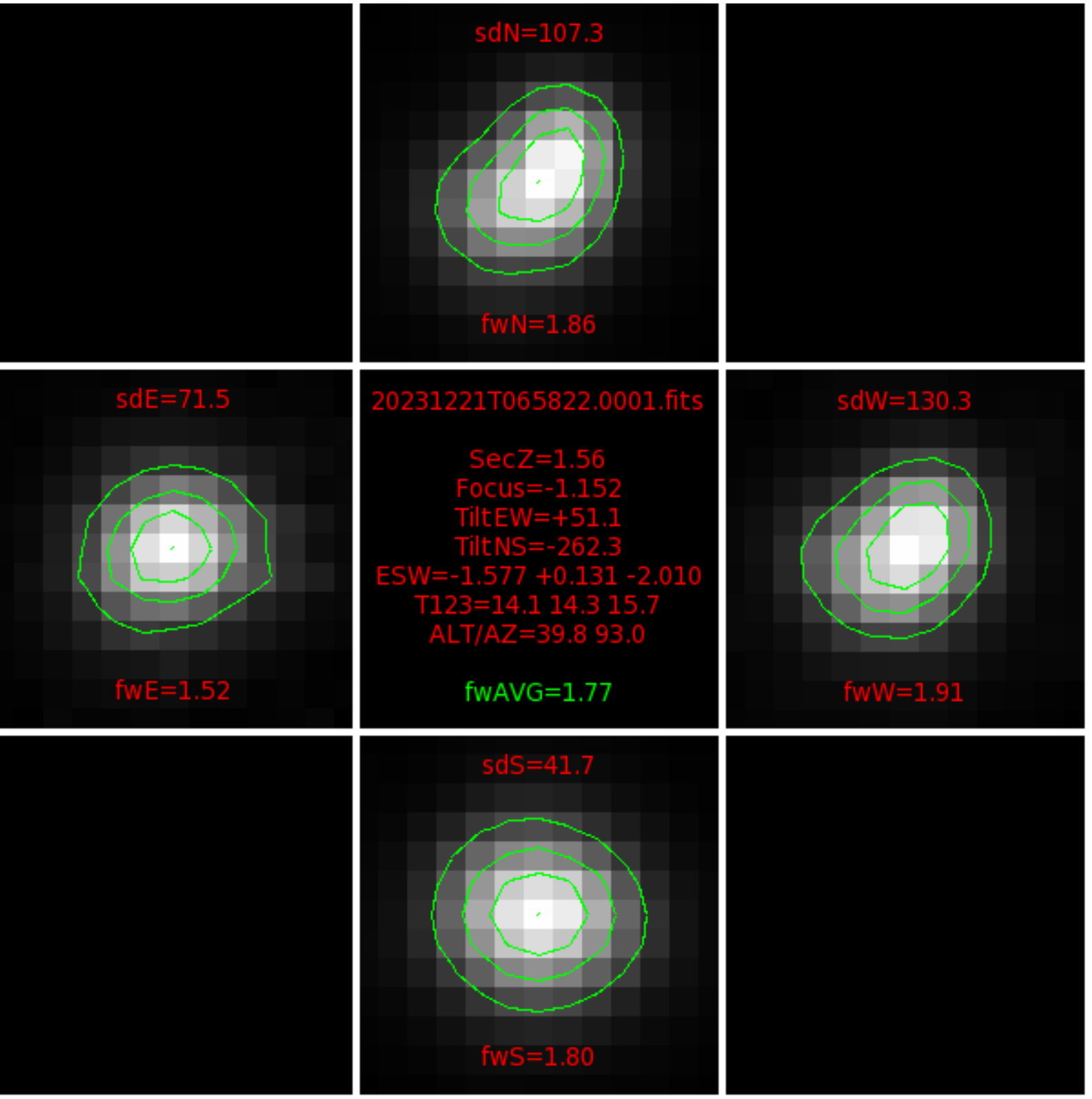
sdN=107.3
fwN=1.86
sdE=71.5
fwE=1.52
20231221T065822.0001.fits
SecZ=1.56
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.1 14.3 15.7
ALT/AZ=39.8 93.0
fwAVG=1.77
sdW=130.3
fwW=1.91
sdS=41.7
fwS=1.80
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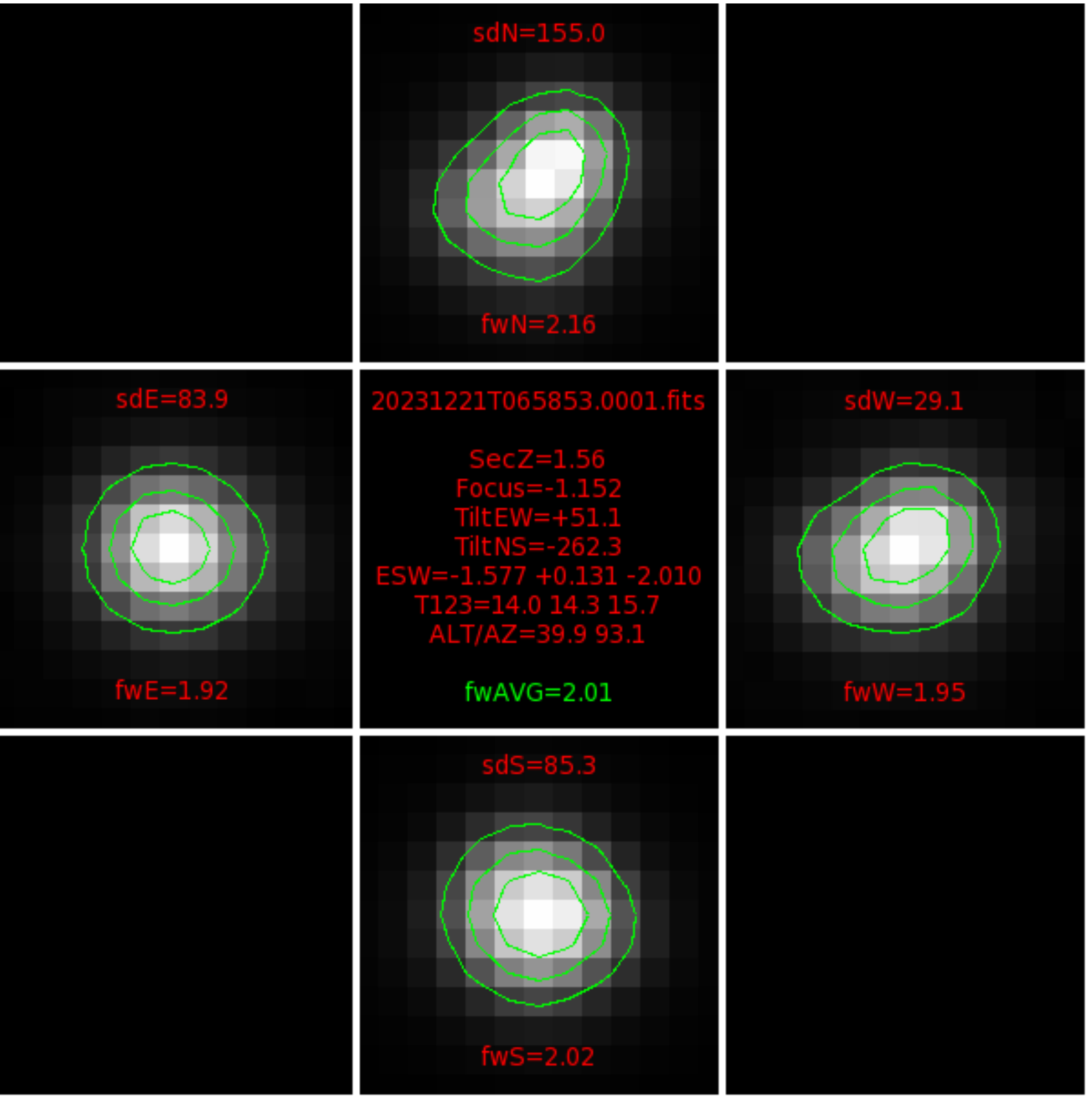
sdN=155.0
fwN=2.16
sdE=83.9
fwE=1.92
20231221T065853.0001.fits
SecZ=1.56
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.0 14.3 15.7
ALT/AZ=39.9 93.1
fwAVG=2.01
sdW=29.1
fwW=1.95
sdS=85.3
fwS=2.02
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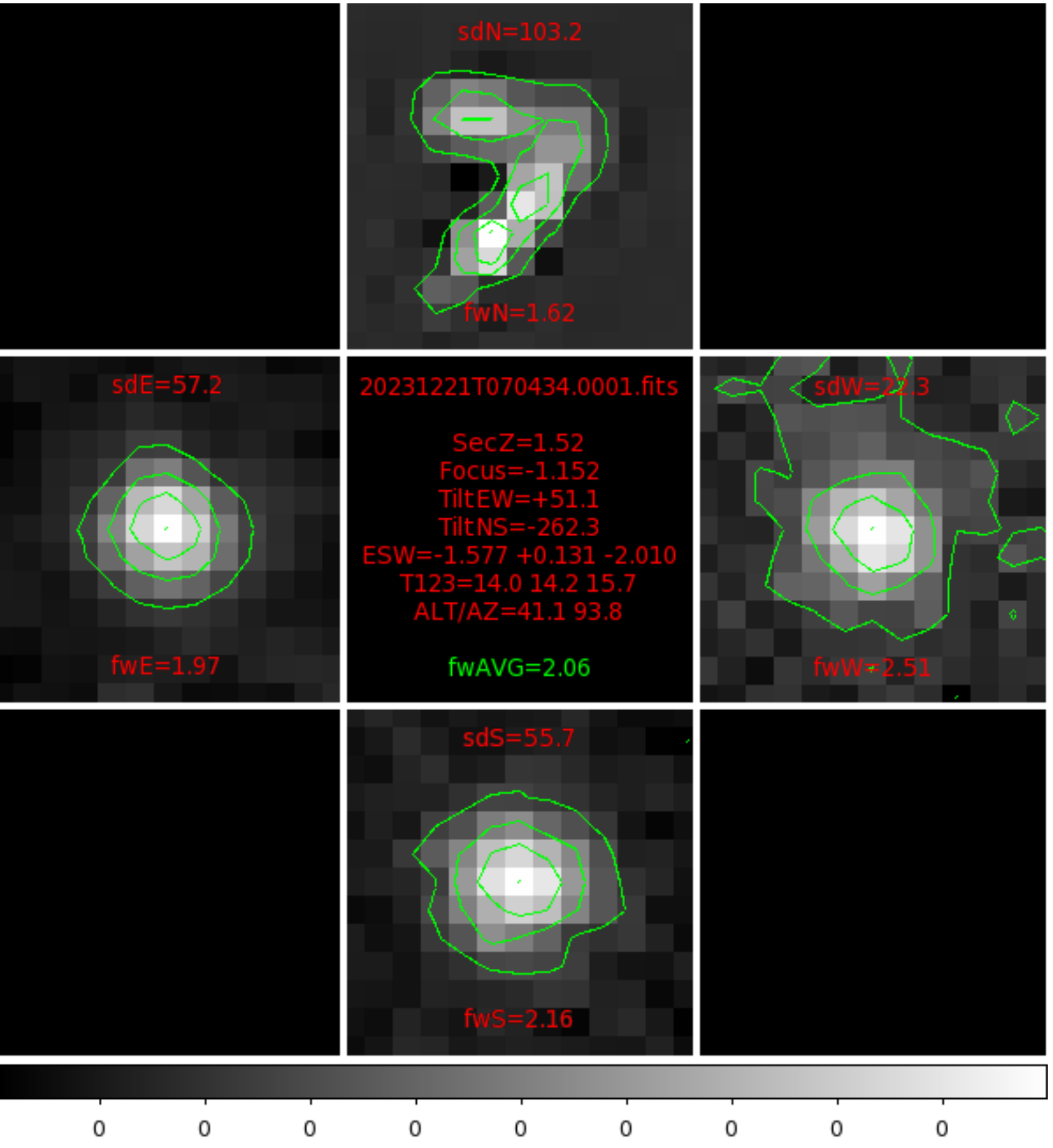
sdN=103.2
fwN=1.62
sdE=57.2
fwE=1.97
20231221T070434.0001.fits
SecZ=1.52
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.0 14.2 15.7
ALT/AZ=41.1 93.8
fwAVG=2.06
sdW=22.3
fwW=2.51
sdS=55.7
fwS=2.16
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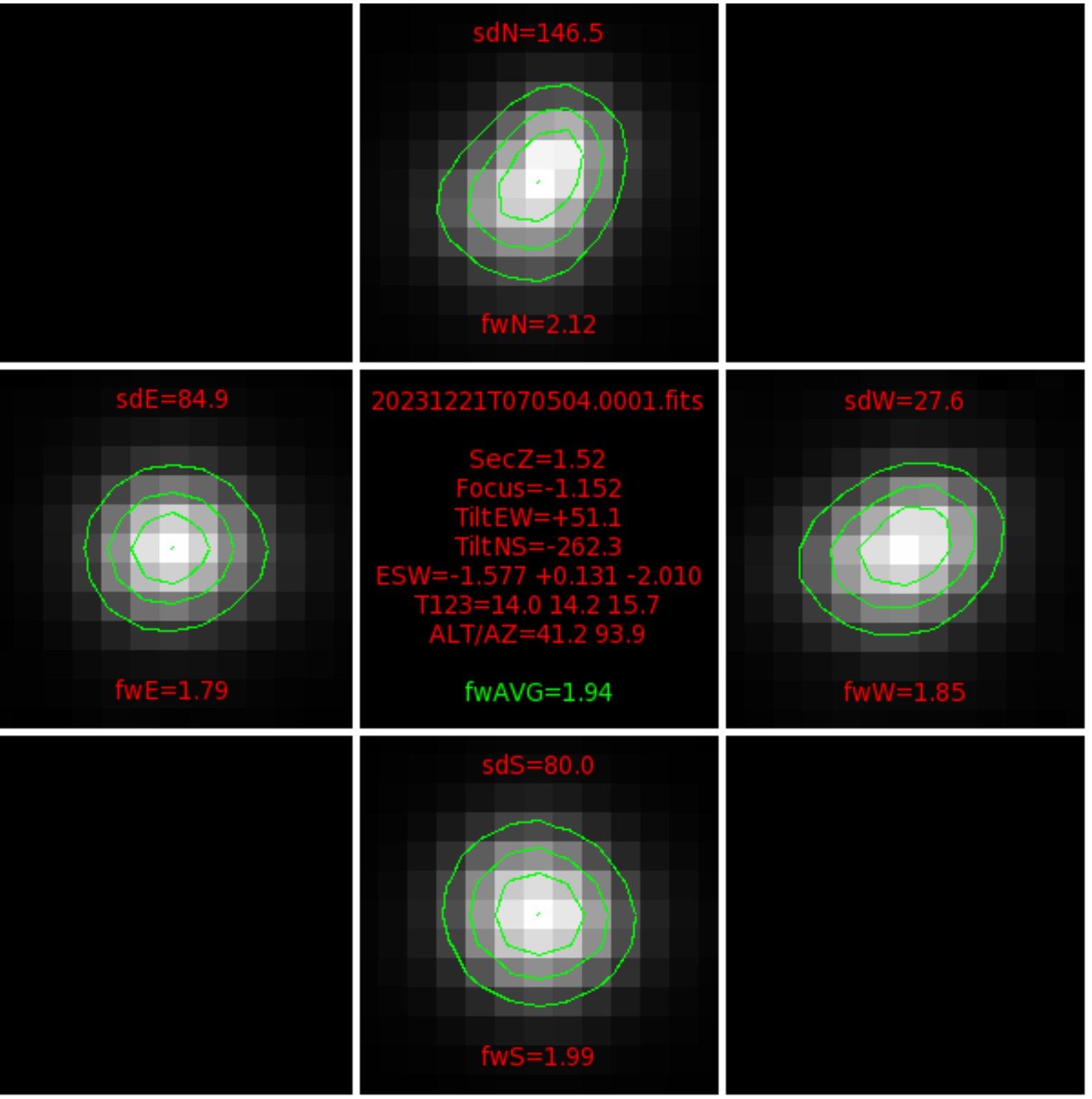
sdN=146.5
fwN=2.12
sdE=84.9
fwE=1.79
20231221T070504.0001.fits
SecZ=1.52
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.0 14.2 15.7
ALT/AZ=41.2 93.9
fwAVG=1.94
sdW=27.6
fwW=1.85
sdS=80.0
fwS=1.99
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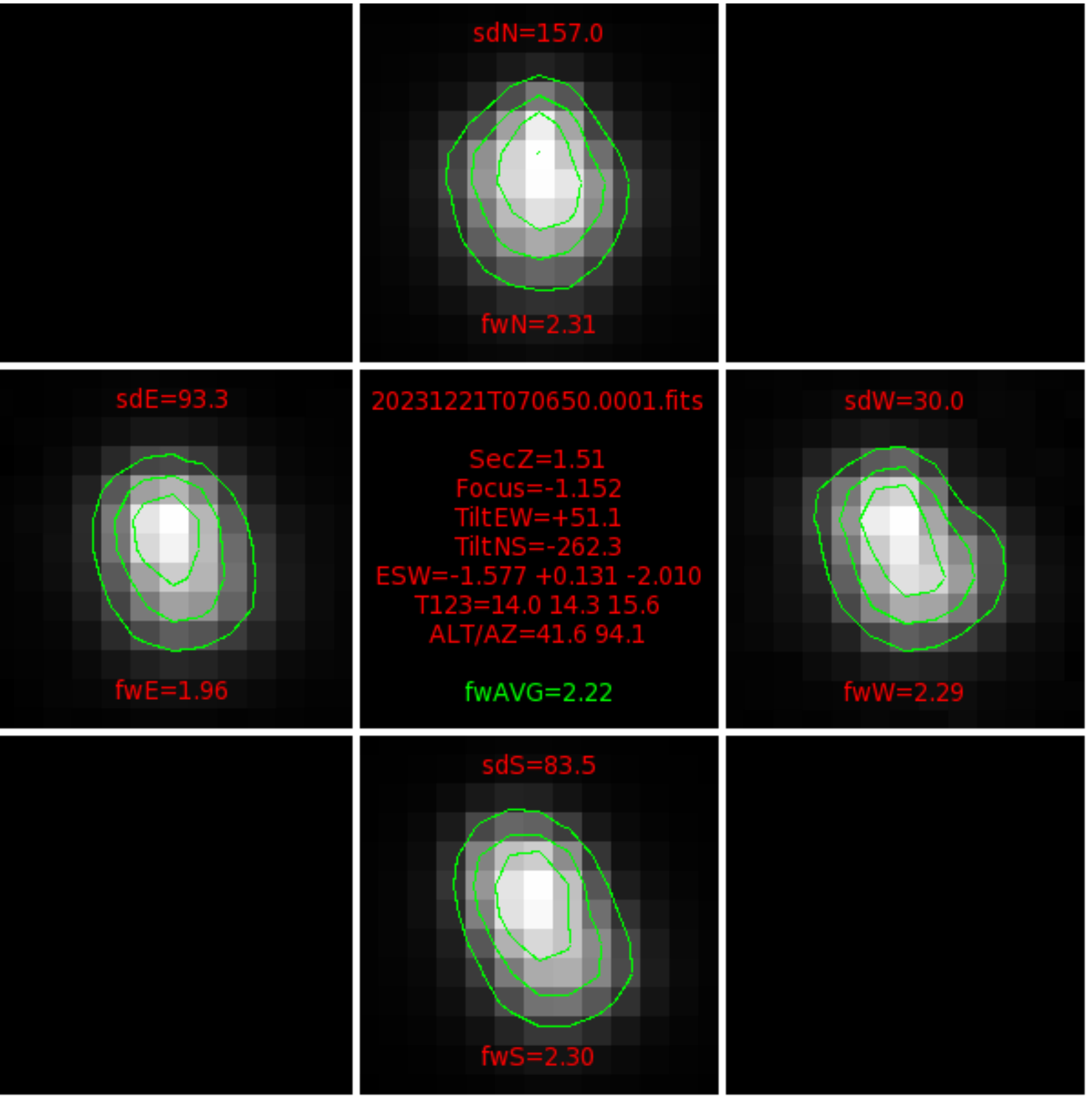
sdN=157.0
fwN=2.31
sdE=93.3
fwE=1.96
20231221T070650.0001.fits
SecZ=1.51
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.0 14.3 15.6
ALT/AZ=41.6 94.1
fwAVG=2.22
sdW=30.0
fwW=2.29
sdS=83.5
fwS=2.30
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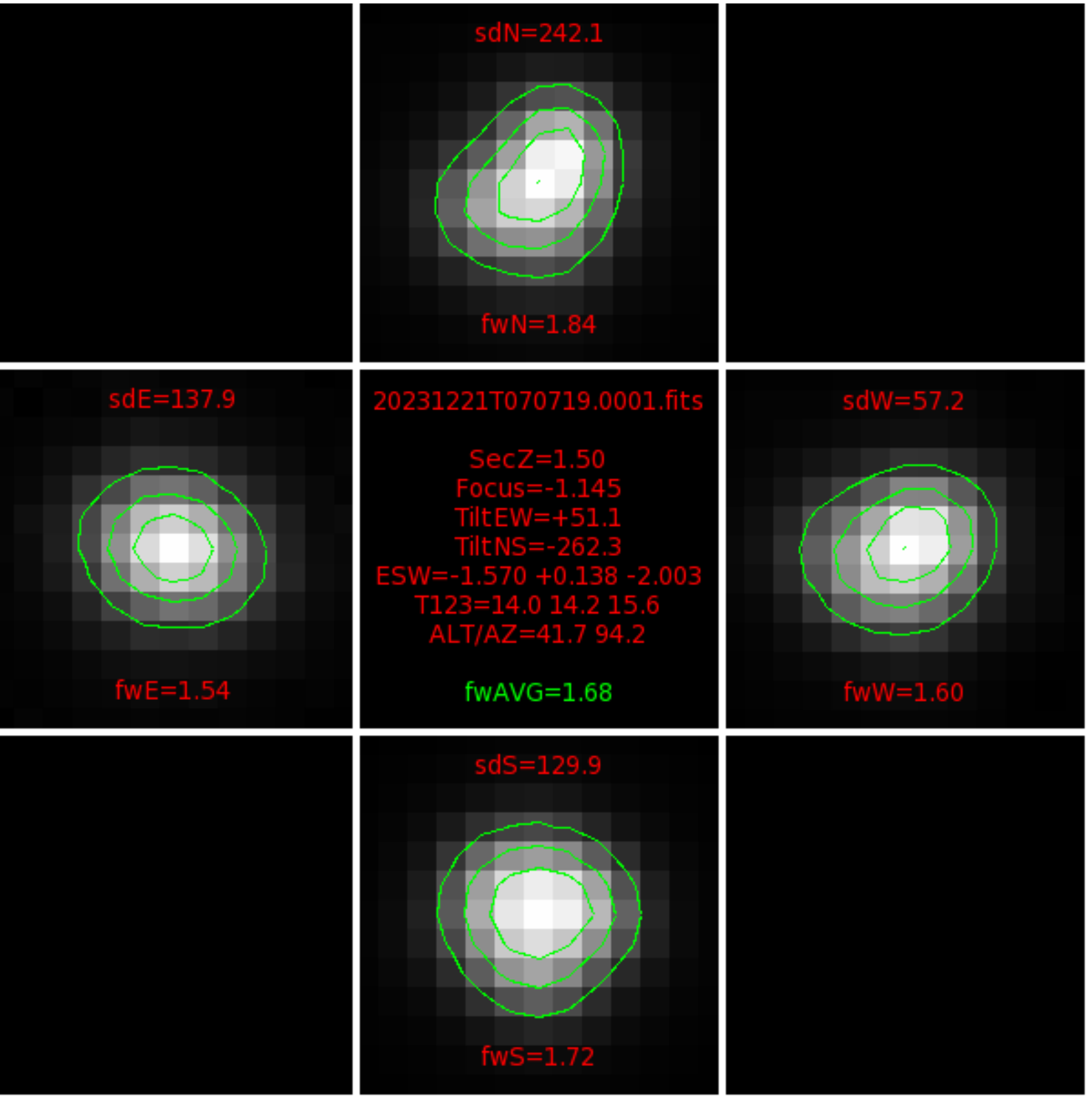
sdN=242.1
fwN=1.84
sdE=137.9
fwE=1.54
20231221T070719.0001.fits
SecZ=1.50
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.0 14.2 15.6
ALT/AZ=41.7 94.2
fwAVG=1.68
sdW=57.2
fwW=1.60
sdS=129.9
fwS=1.72
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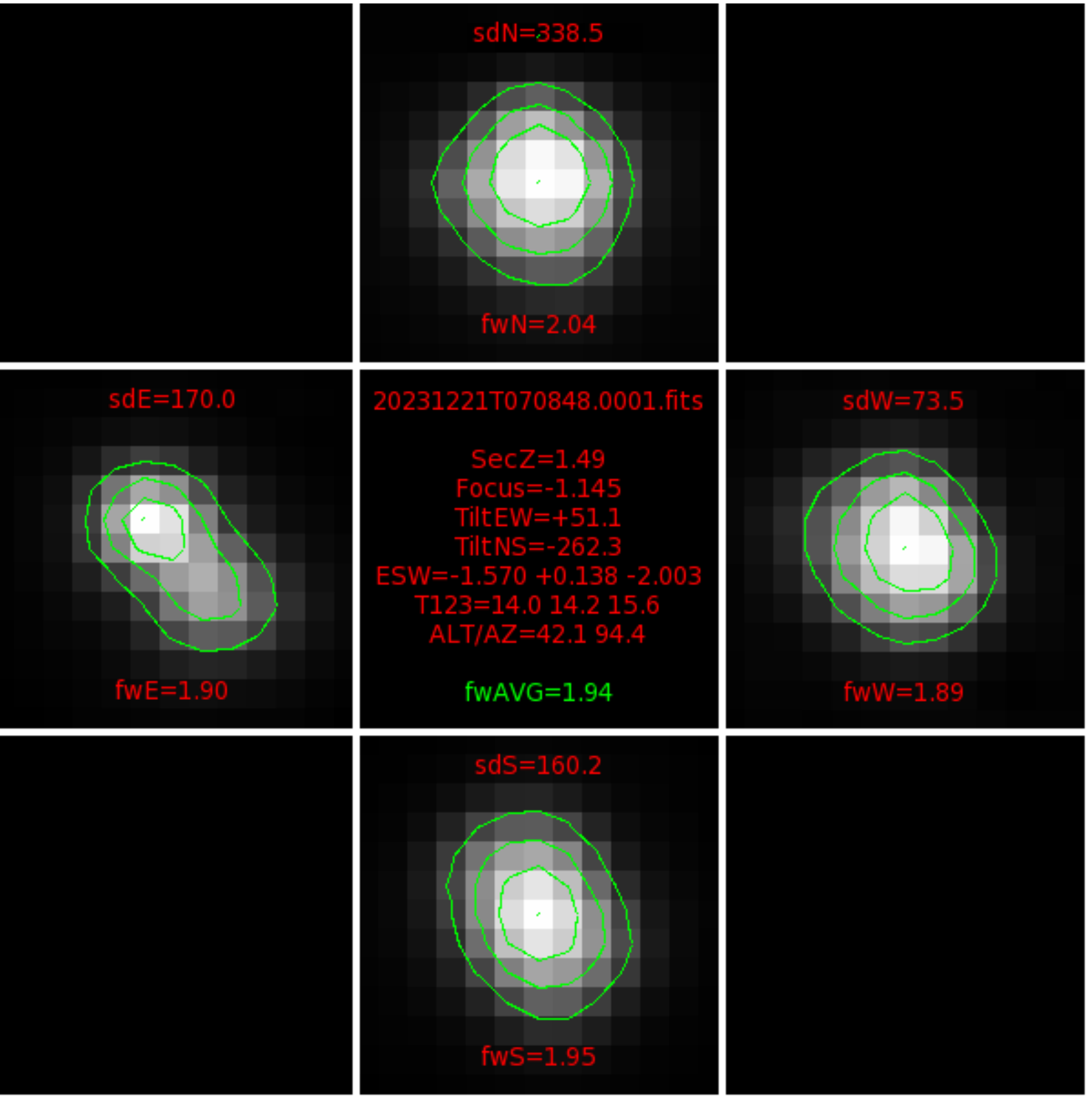
sdN=338.5
fwN=2.04
sdE=170.0
fwE=1.90
20231221T070848.0001.fits
SecZ=1.49
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.0 14.2 15.6
ALT/AZ=42.1 94.4
fwAVG=1.94
sdW=73.5
fwW=1.89
sdS=160.2
fwS=1.95
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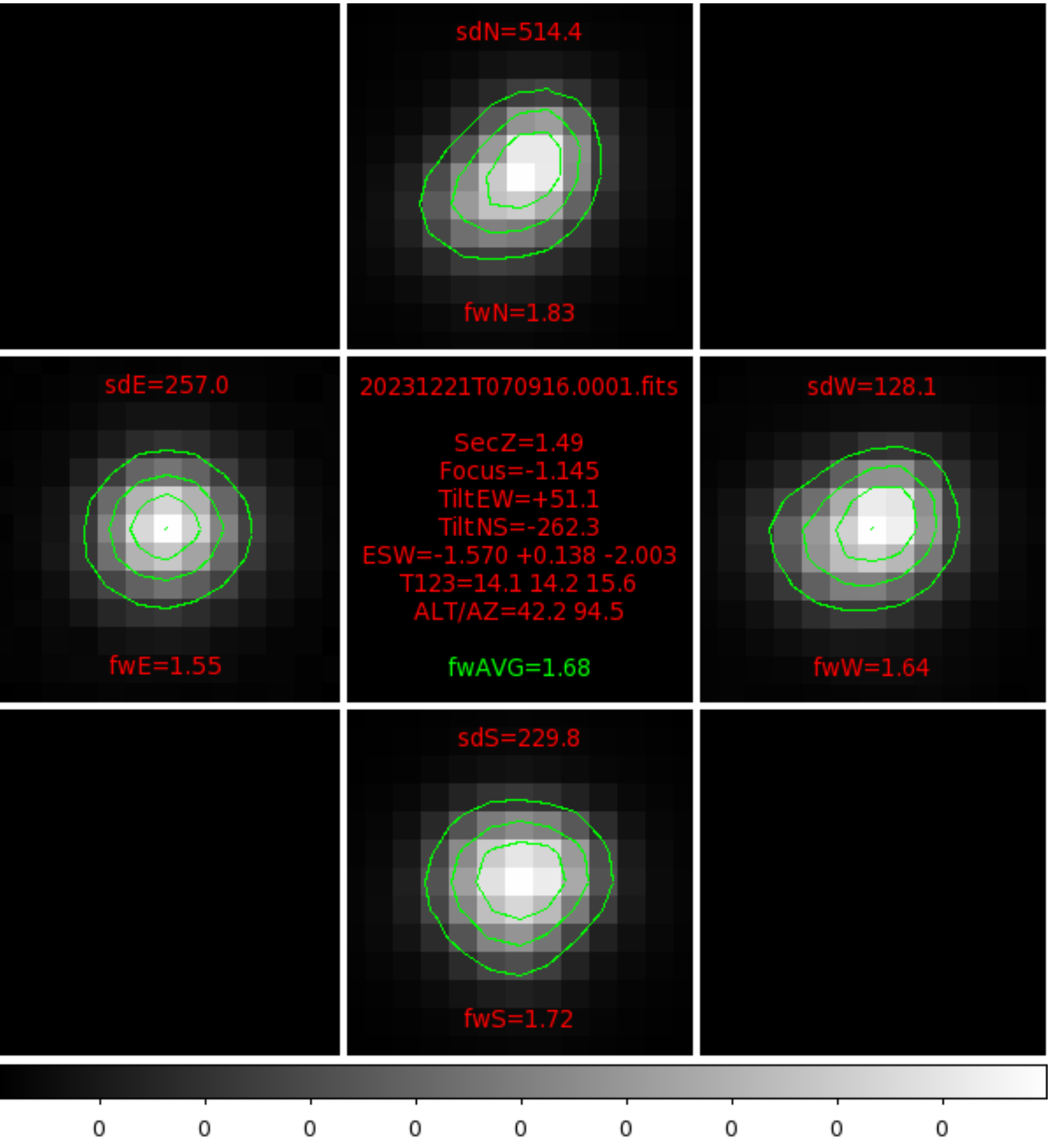
sdN=514.4
fwN=1.83
sdE=257.0
fwE=1.55
20231221T070916.0001.fits
SecZ=1.49
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.1 14.2 15.6
ALT/AZ=42.2 94.5
fwAVG=1.68
sdW=128.1
fwW=1.64
sdS=229.8
fwS=1.72
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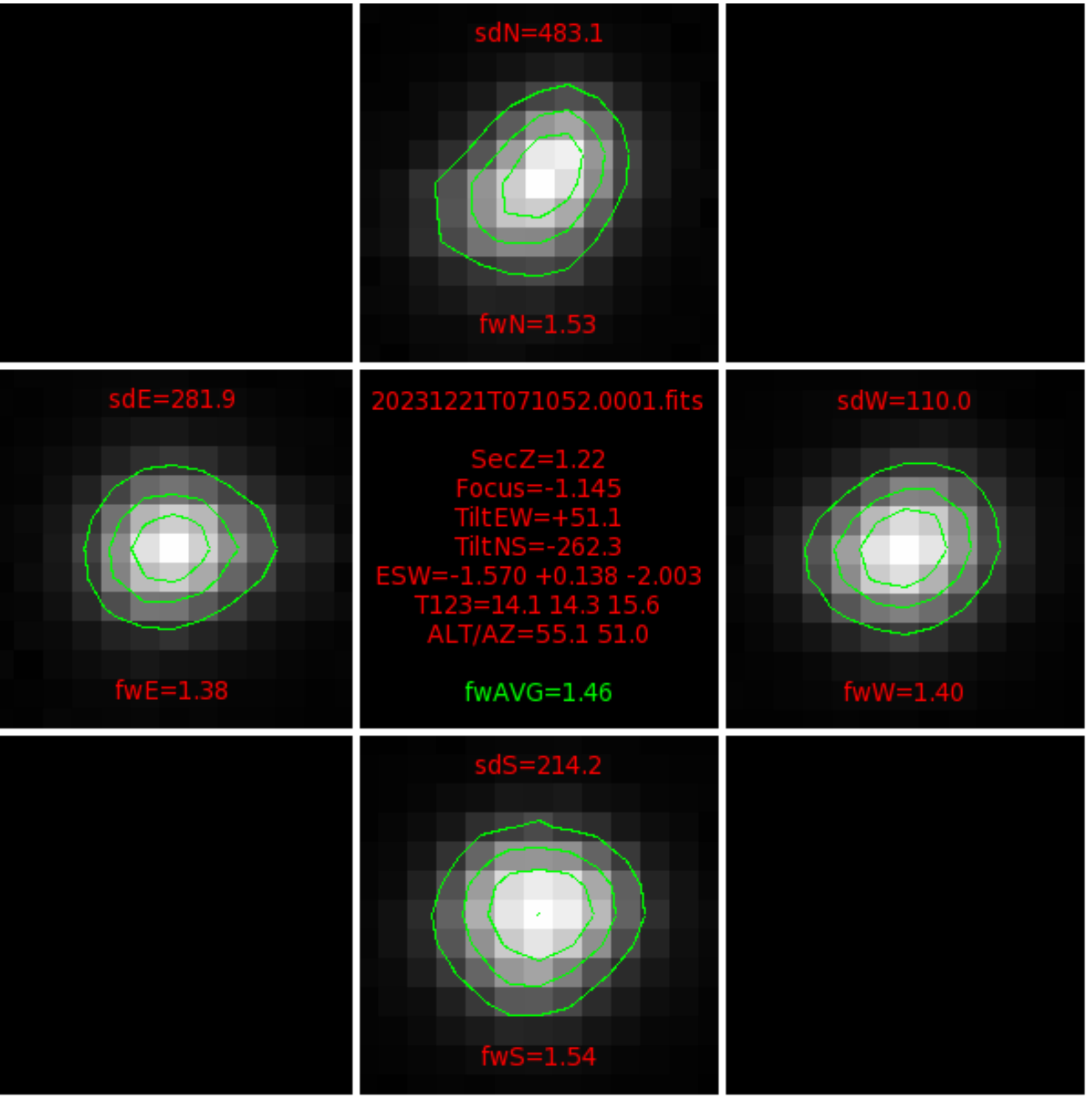
sdN=483.1
fwN=1.53
sdE=281.9
fwE=1.38
20231221T071052.0001.fits
SecZ=1.22
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.1 14.3 15.6
ALT/AZ=55.1 51.0
fwAVG=1.46
sdW=110.0
fwW=1.40
sdS=214.2
fwS=1.54
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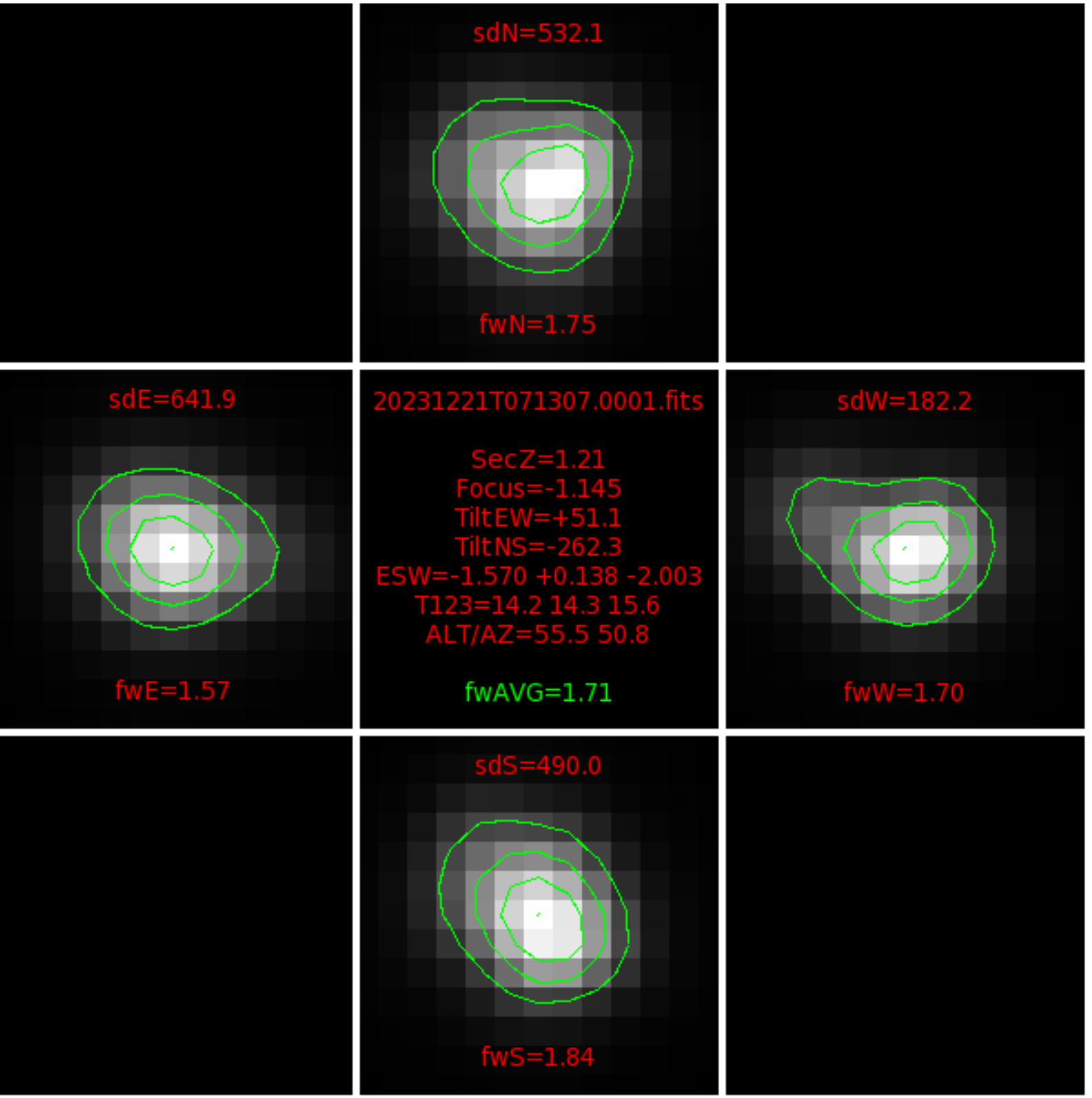
sdN=532.1
fwN=1.75
sdE=641.9
fwE=1.57
20231221T071307.0001.fits
SecZ=1.21
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.2 14.3 15.6
ALT/AZ=55.5 50.8
fwAVG=1.71
sdW=182.2
fwW=1.70
sdS=490.0
fwS=1.84
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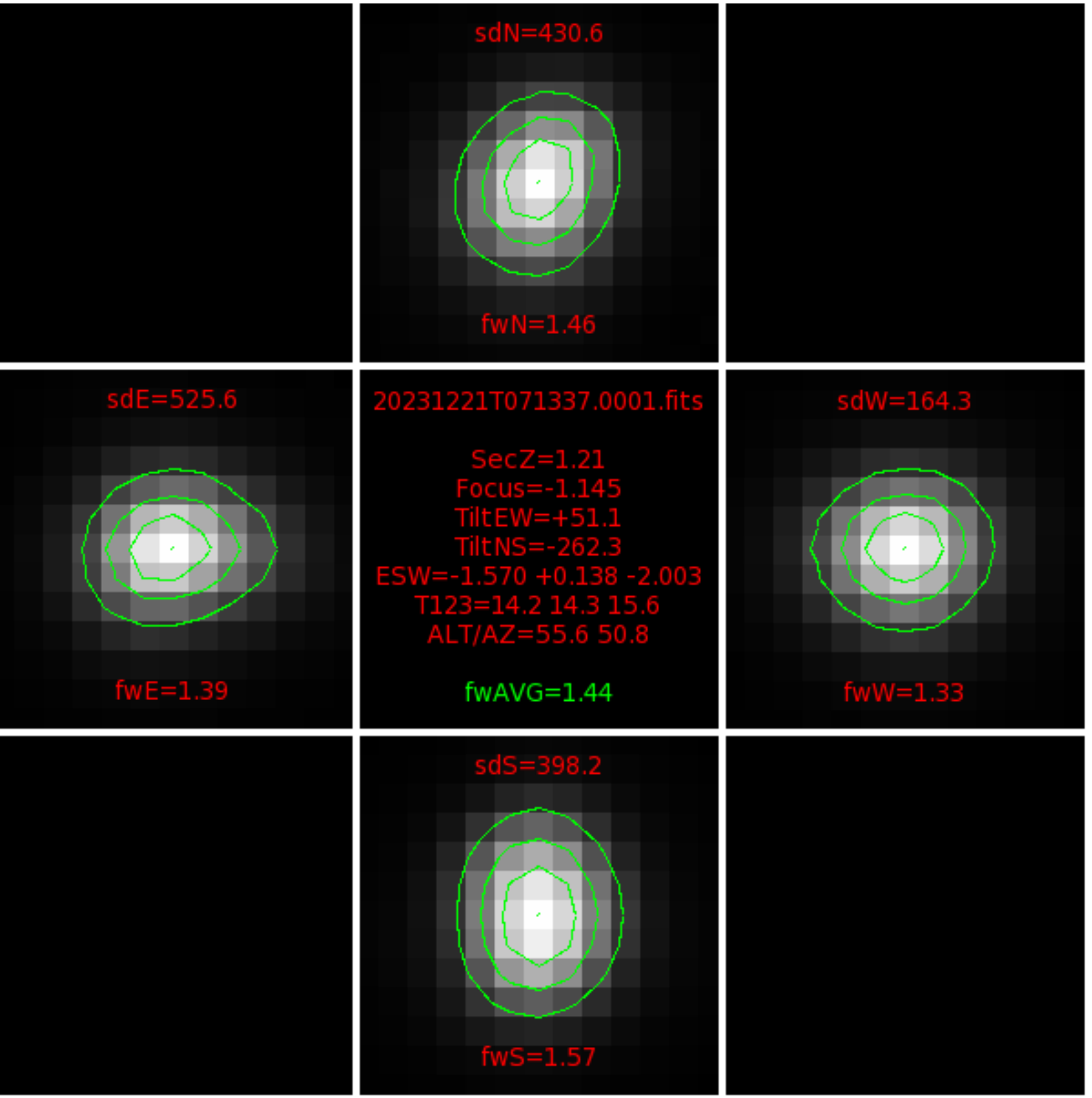
sdN=430.6
fwN=1.46
sdE=525.6
fwE=1.39
20231221T071337.0001.fits
SecZ=1.21
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.2 14.3 15.6
ALT/AZ=55.6 50.8
fwAVG=1.44
sdW=164.3
fwW=1.33
sdS=398.2
fwS=1.57
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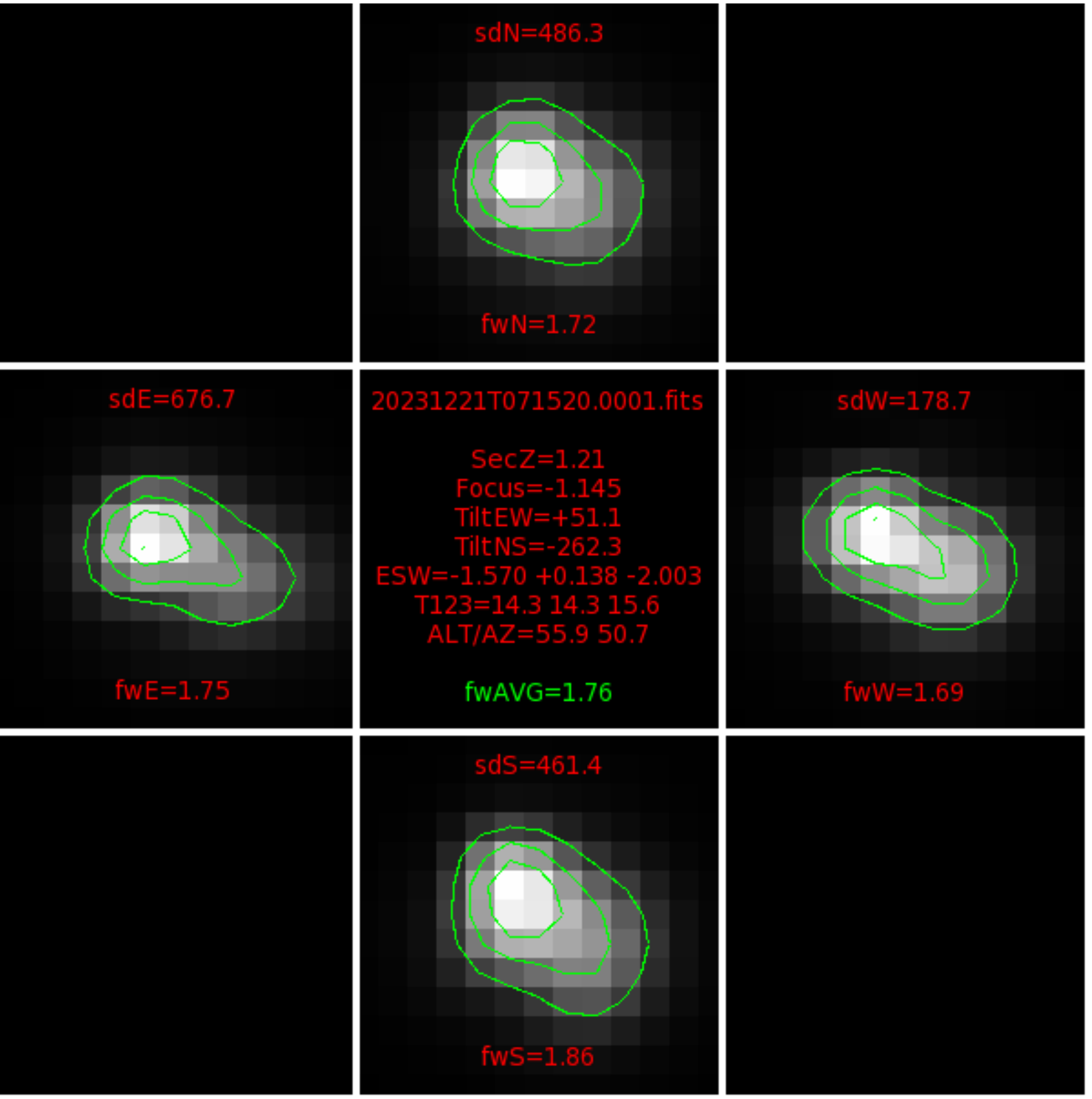
sdN=486.3
fwN=1.72
sdE=676.7
fwE=1.75
20231221T071520.0001.fits
SecZ=1.21
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.3 14.3 15.6
ALT/AZ=55.9 50.7
fwAVG=1.76
sdW=178.7
fwW=1.69
sdS=461.4
fwS=1.86
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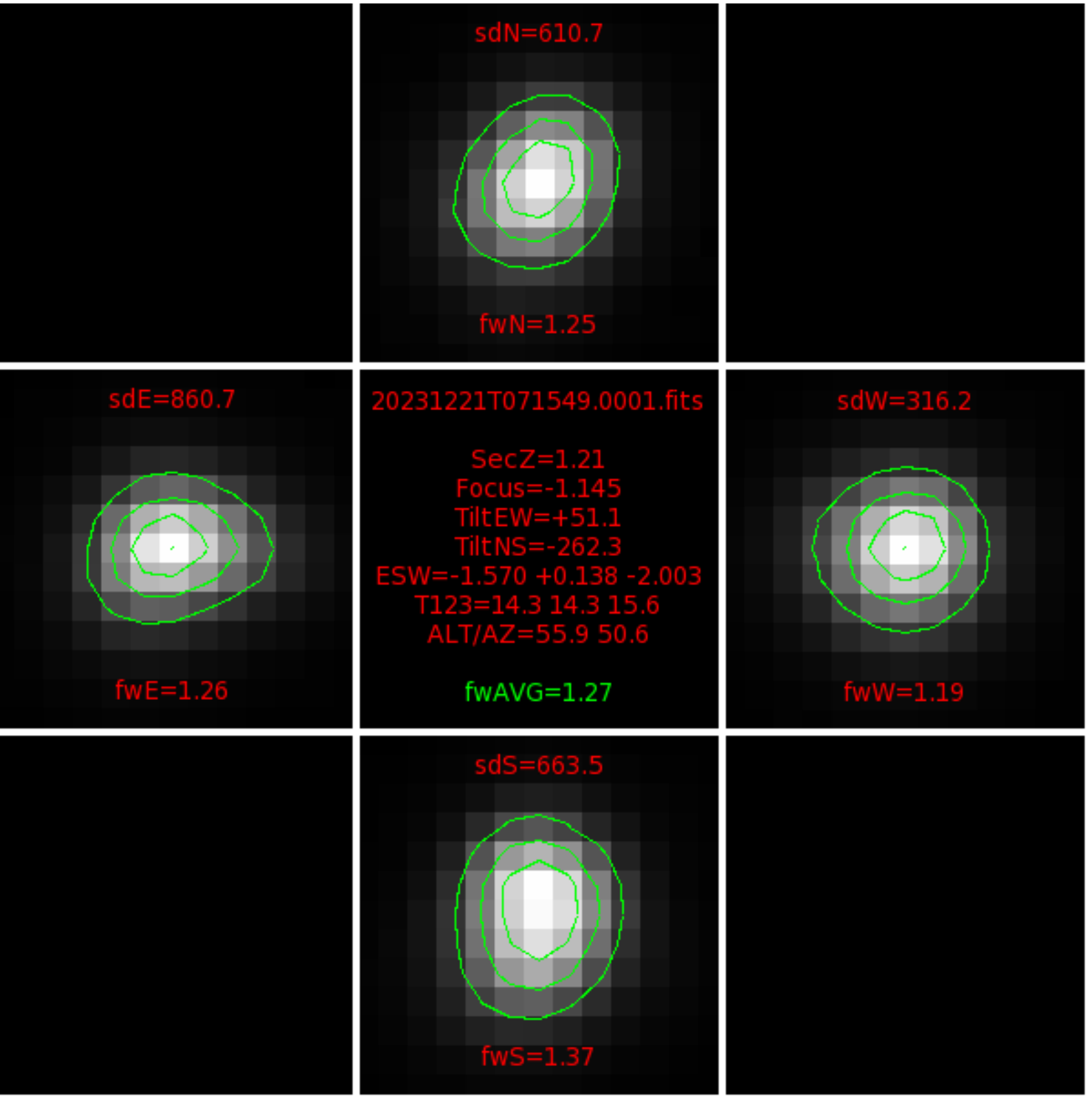
sdN=610.7
fwN=1.25
sdE=860.7
fwE=1.26
20231221T071549.0001.fits
SecZ=1.21
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.3 14.3 15.6
ALT/AZ=55.9 50.6
fwAVG=1.27
sdW=316.2
fwW=1.19
sdS=663.5
fwS=1.37
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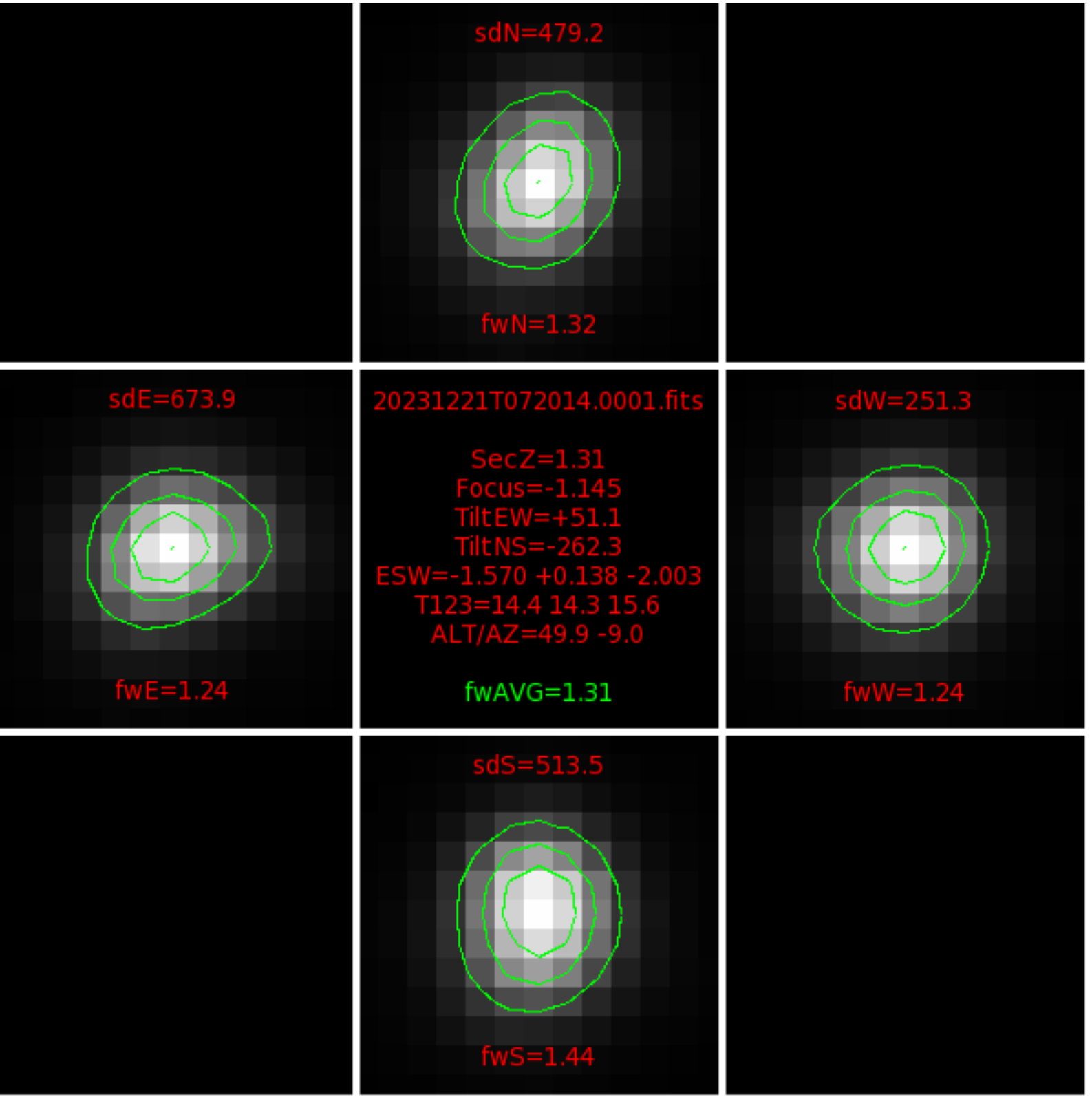
sdN=479.2
fwN=1.32
sdE=673.9
fwE=1.24
20231221T072014.0001.fits
SecZ=1.31
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.4 14.3 15.6
ALT/AZ=49.9 -9.0
fwAVG=1.31
sdW=251.3
fwW=1.24
sdS=513.5
fwS=1.44
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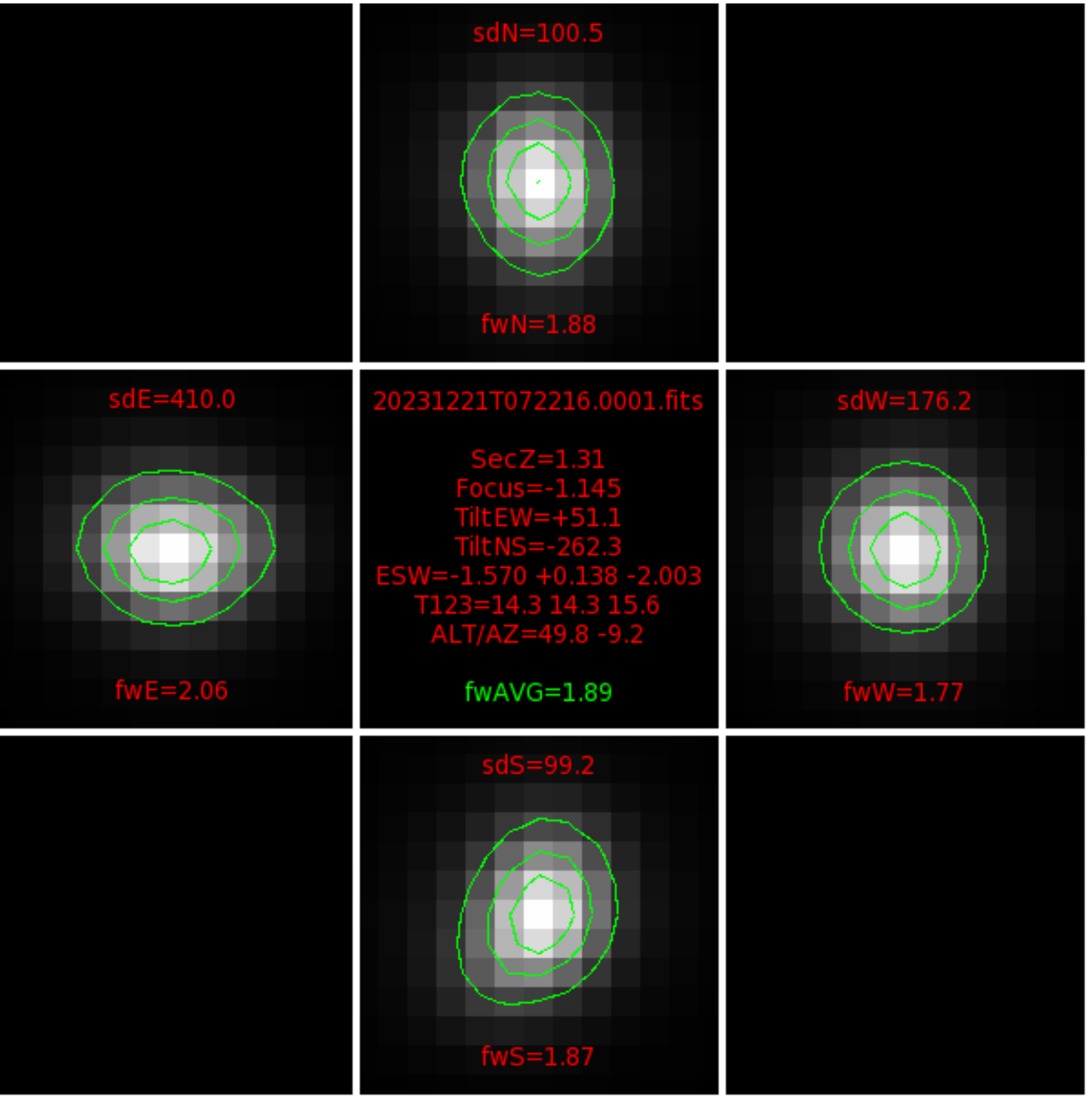
sdN=100.5
fwN=1.88
sdE=410.0
fwE=2.06
20231221T072216.0001.fits
SecZ=1.31
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.3 14.3 15.6
ALT/AZ=49.8 -9.2
fwAVG=1.89
sdW=176.2
fwW=1.77
sdS=99.2
fwS=1.87
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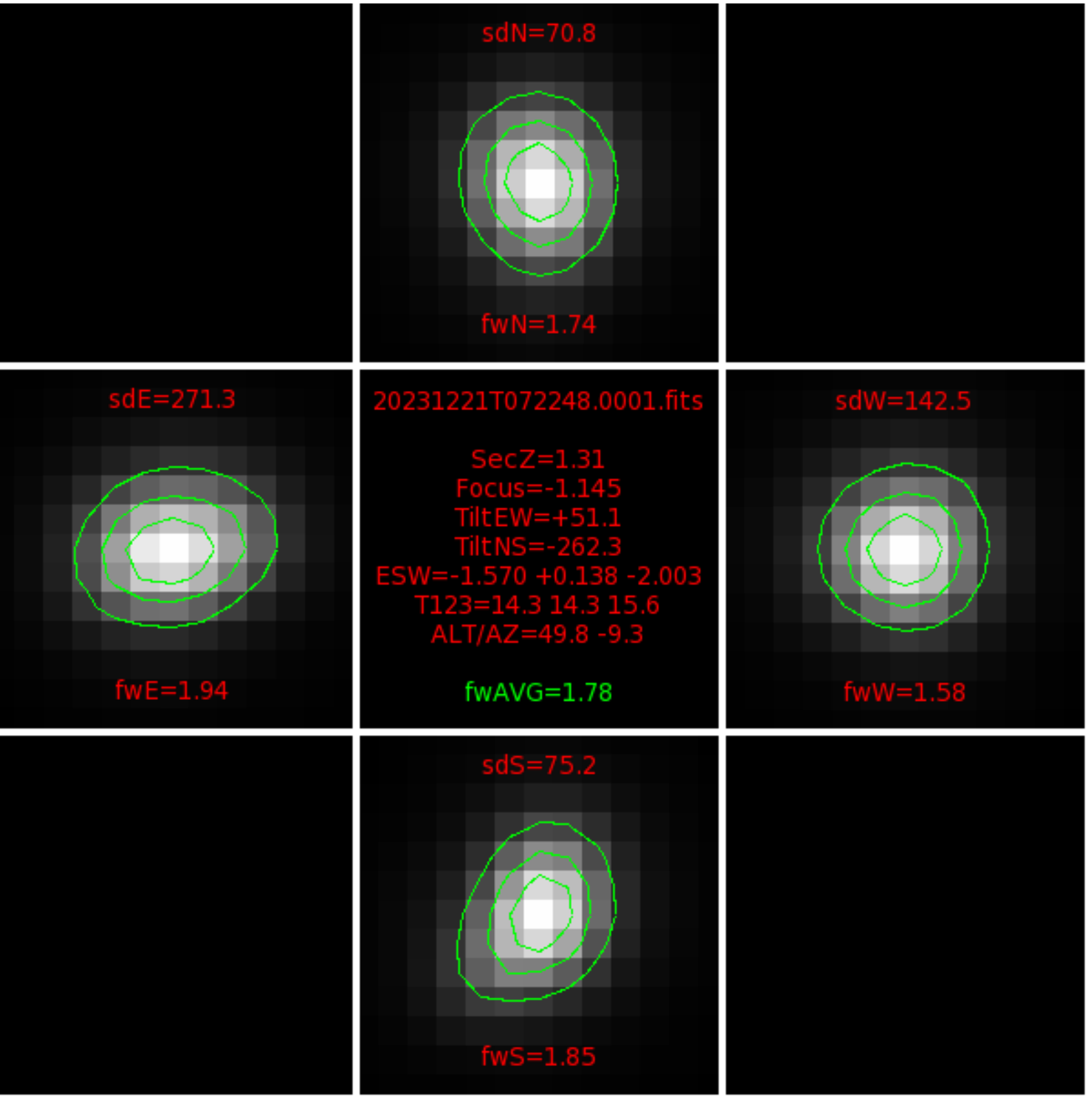
sdN=70.8
fwN=1.74
sdE=271.3
fwE=1.94
20231221T072248.0001.fits
SecZ=1.31
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.3 14.3 15.6
ALT/AZ=49.8 -9.3
fwAVG=1.78
sdW=142.5
fwW=1.58
sdS=75.2
fwS=1.85
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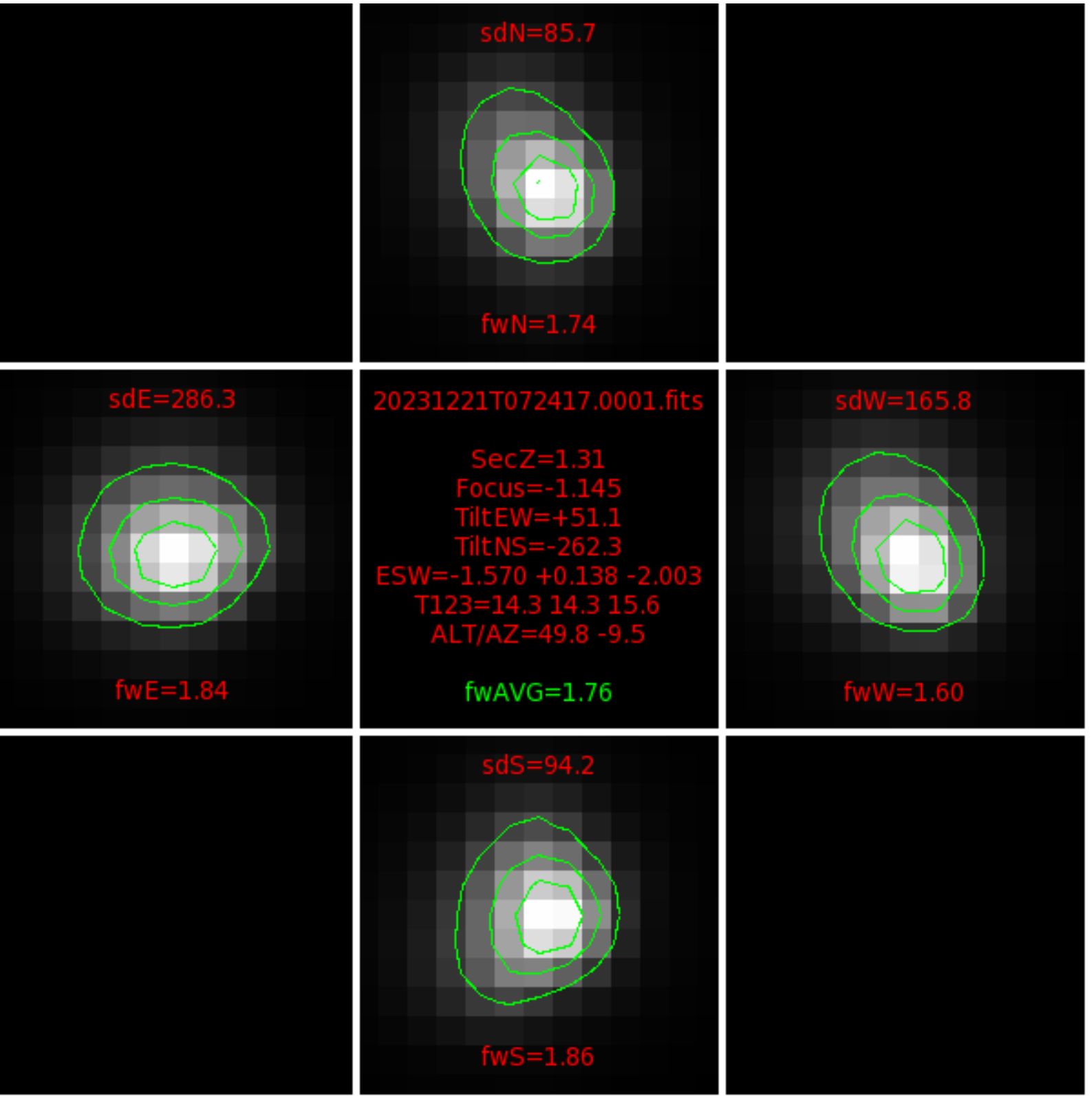
sdN=85.7
fwN=1.74
sdE=286.3
fwE=1.84
20231221T072417.0001.fits
SecZ=1.31
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.3 14.3 15.6
ALT/AZ=49.8 -9.5
fwAVG=1.76
sdW=165.8
fwW=1.60
sdS=94.2
fwS=1.86
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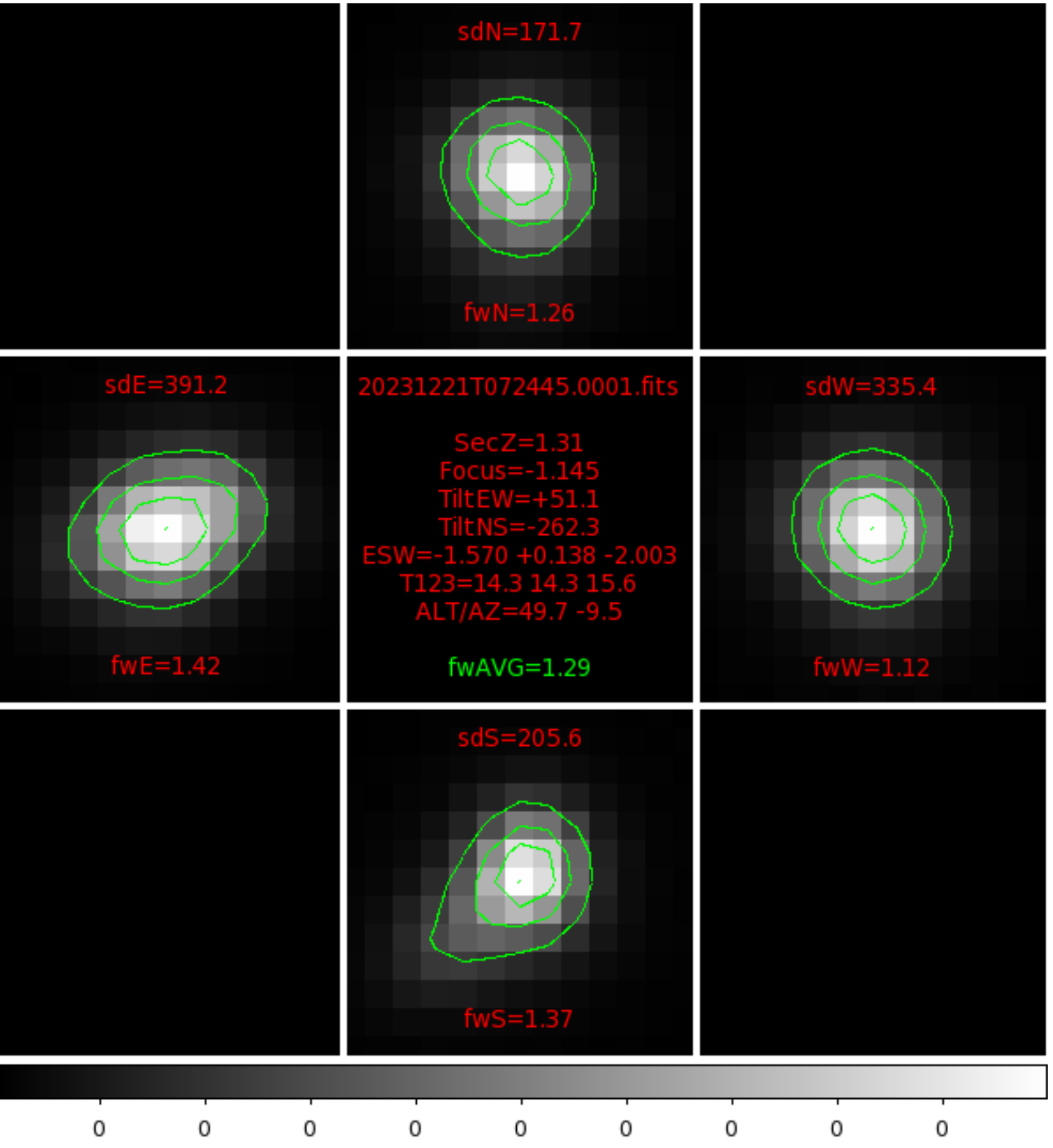
sdN=171.7
fwN=1.26
sdE=391.2
fwE=1.42
20231221T072445.0001.fits
SecZ=1.31
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.3 14.3 15.6
ALT/AZ=49.7 -9.5
fwAVG=1.29
sdW=335.4
fwW=1.12
sdS=205.6
fwS=1.37
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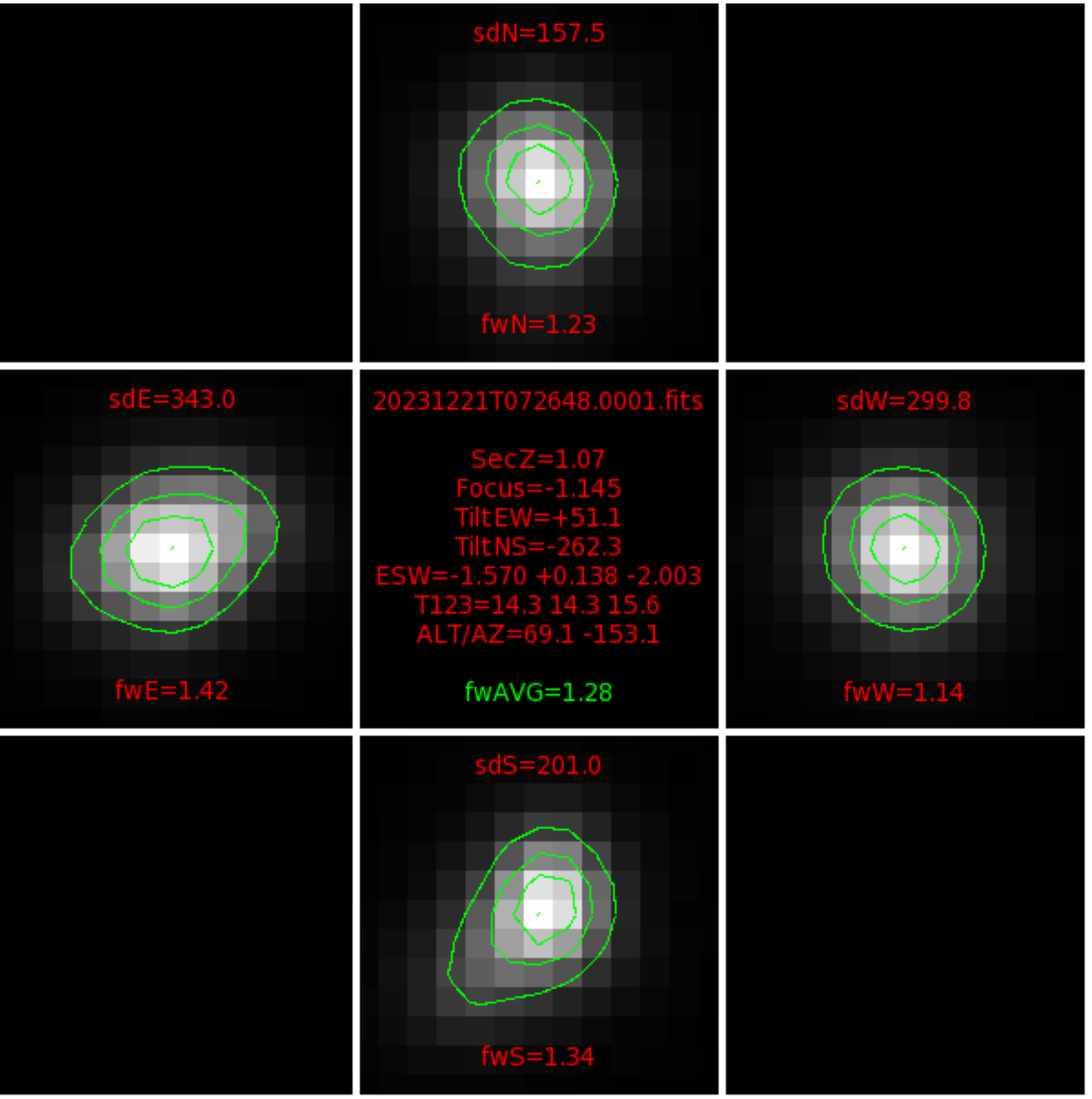
sdN=157.5
fwN=1.23
sdE=343.0
fwE=1.42
20231221T072648.0001.fits
SecZ=1.07
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.3 14.3 15.6
ALT/AZ=69.1 -153.1
fwAVG=1.28
sdW=299.8
fwW=1.14
sdS=201.0
fwS=1.34
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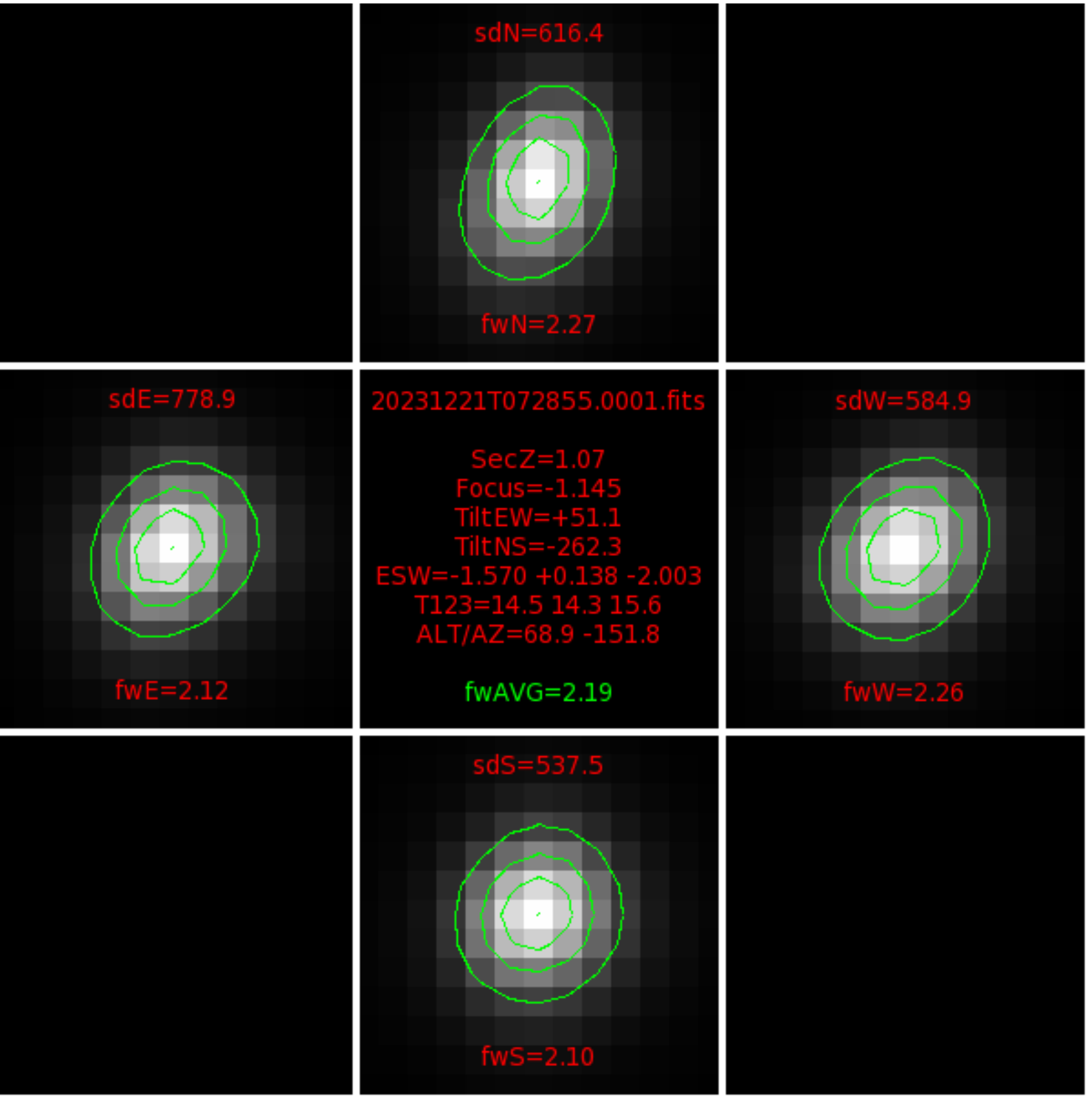
sdN=616.4
fwN=2.27
sdE=778.9
fwE=2.12
20231221T072855.0001.fits
SecZ=1.07
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.5 14.3 15.6
ALT/AZ=68.9 -151.8
fwAVG=2.19
sdW=584.9
fwW=2.26
sdS=537.5
fwS=2.10
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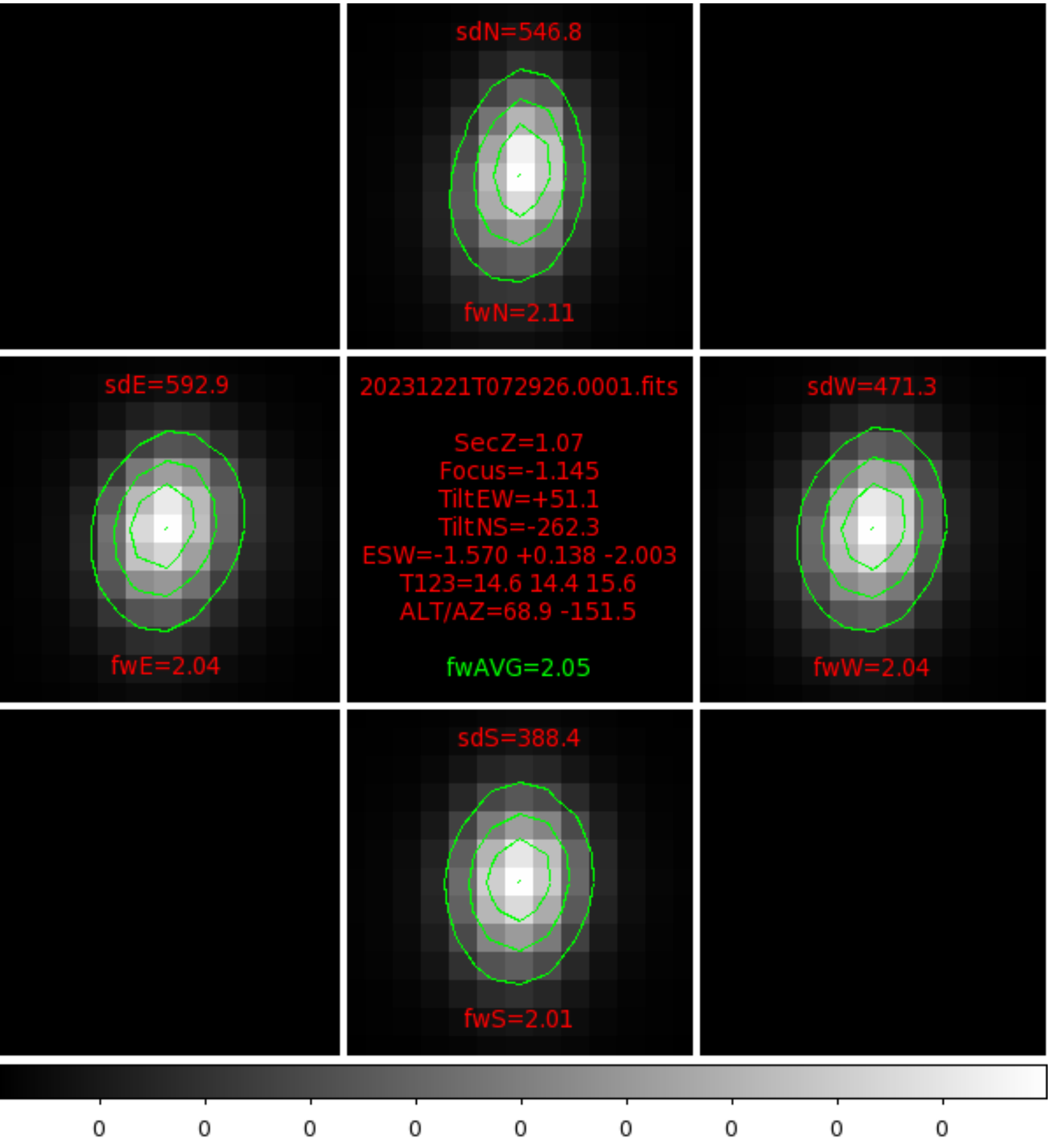
sdN=546.8
fwN=2.11
sdE=592.9
fwE=2.04
20231221T072926.0001.fits
SecZ=1.07
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.6 14.4 15.6
ALT/AZ=68.9 -151.5
fwAVG=2.05
sdW=471.3
fwW=2.04
sdS=388.4
fwS=2.01
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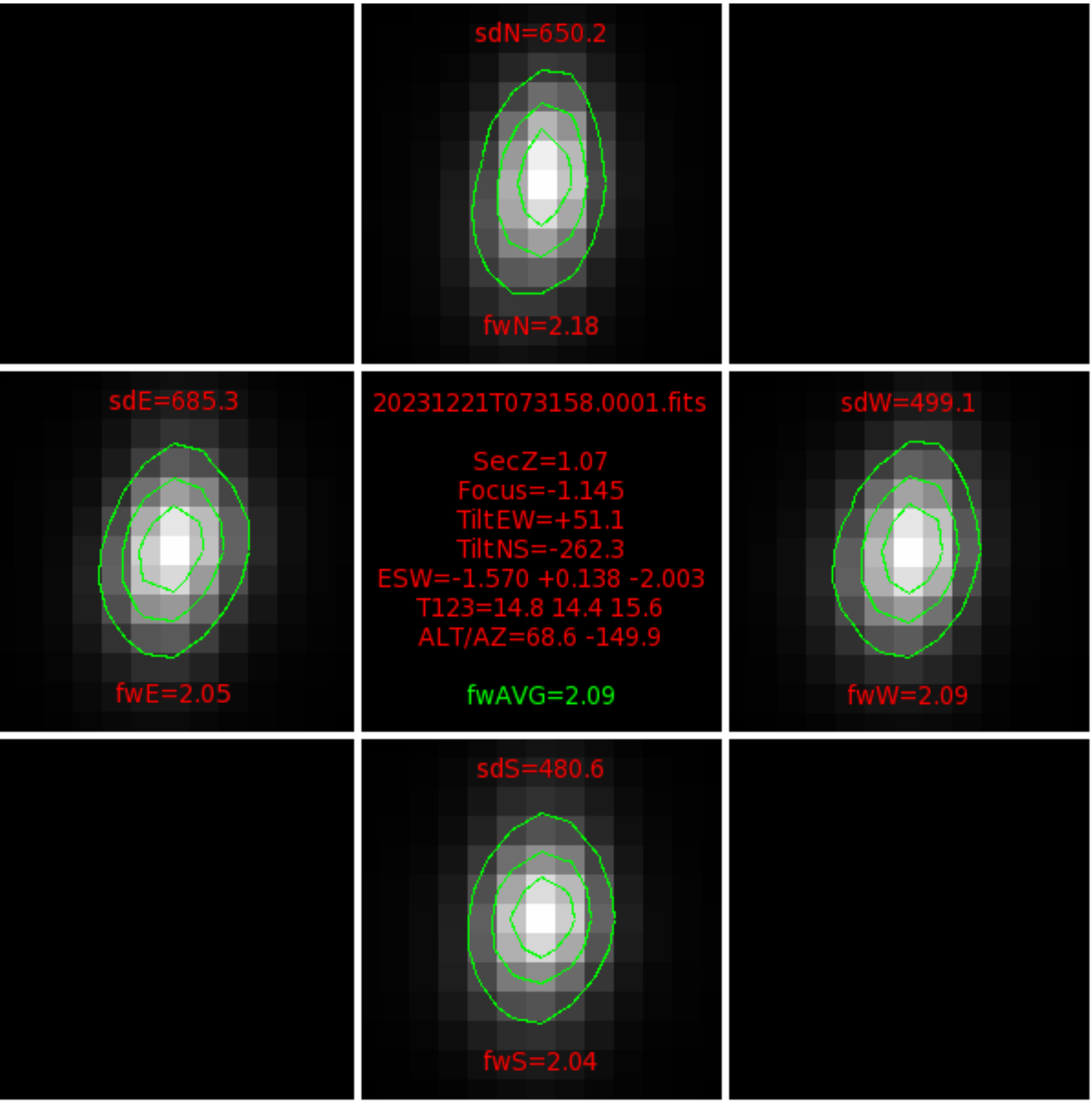
sdN=650.2
fwN=2.18
sdE=685.3
fwE=2.05
20231221T073158.0001.fits
SecZ=1.07
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.8 14.4 15.6
ALT/AZ=68.6 -149.9
fwAVG=2.09
sdW=499.1
fwW=2.09
sdS=480.6
fwS=2.04
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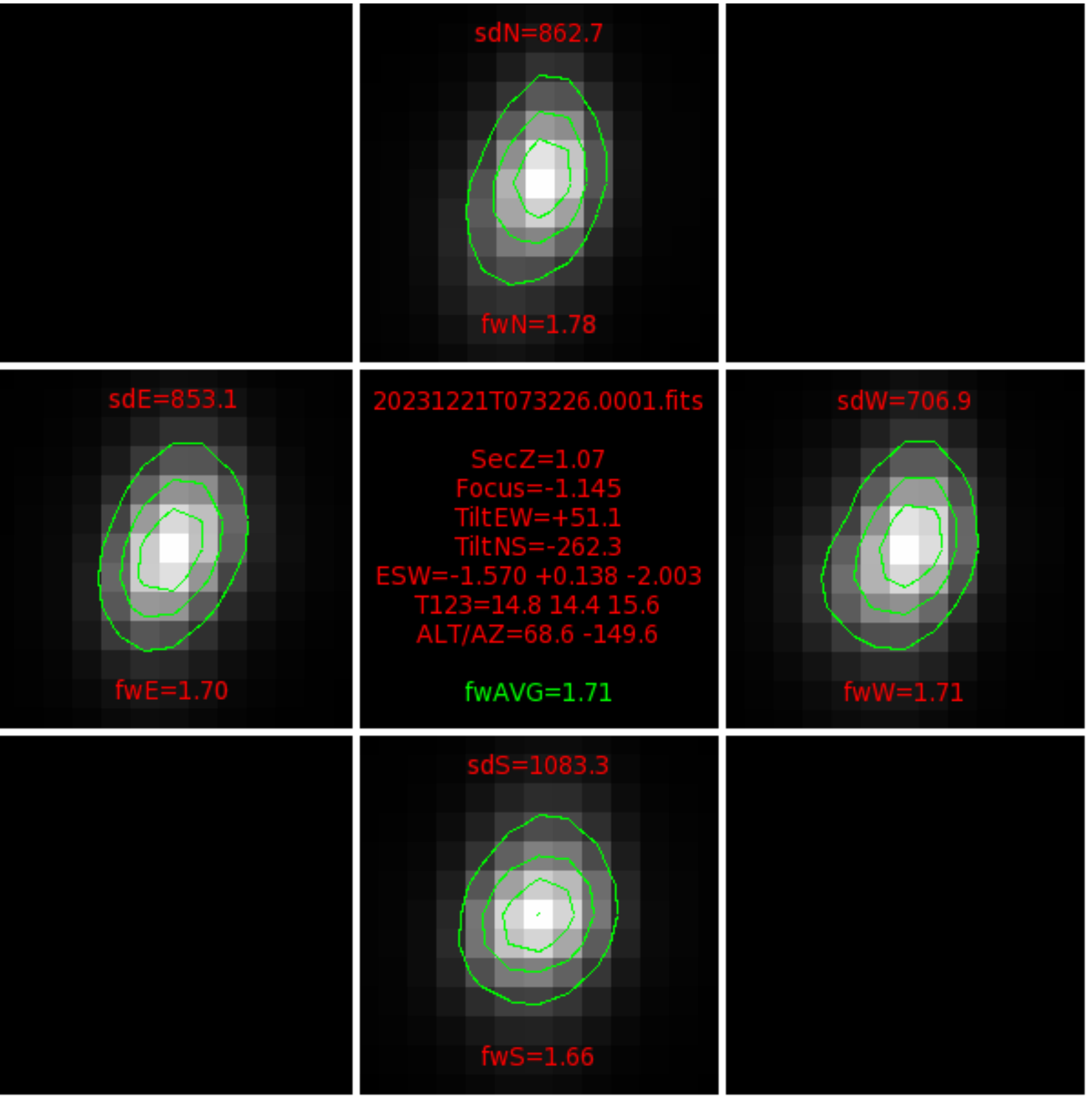
sdN=862.7
fwN=1.78
sdE=853.1
fwE=1.70
20231221T073226.0001.fits
SecZ=1.07
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.8 14.4 15.6
ALT/AZ=68.6 -149.6
fwAVG=1.71
sdW=706.9
fwW=1.71
sdS=1083.3
fwS=1.66
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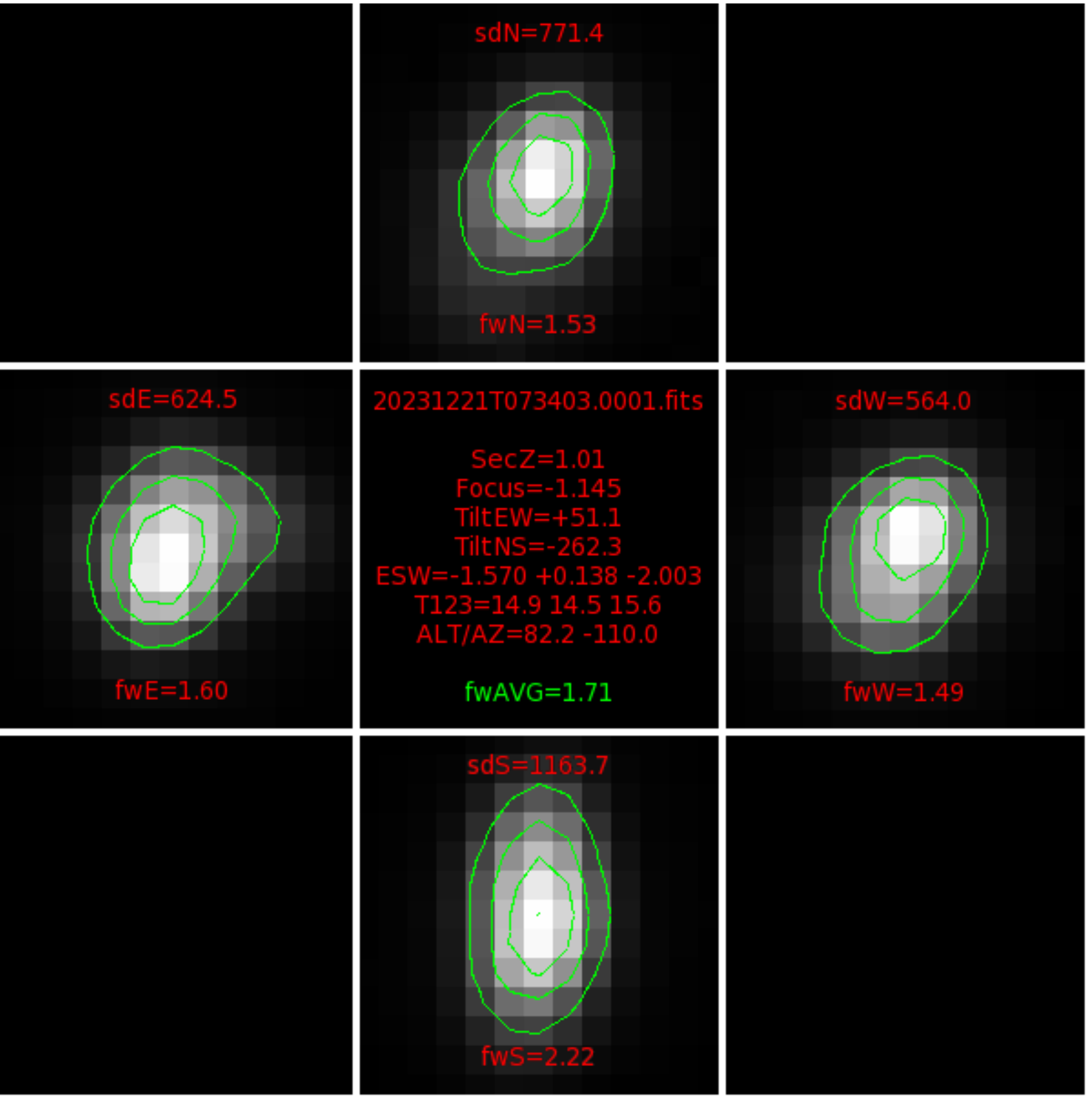
sdN=771.4
fwN=1.53
sdE=624.5
fwE=1.60
20231221T073403.0001.fits
SecZ=1.01
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.9 14.5 15.6
ALT/AZ=82.2 -110.0
fwAVG=1.71
sdW=564.0
fwW=1.49
sdS=1163.7
fwS=2.22
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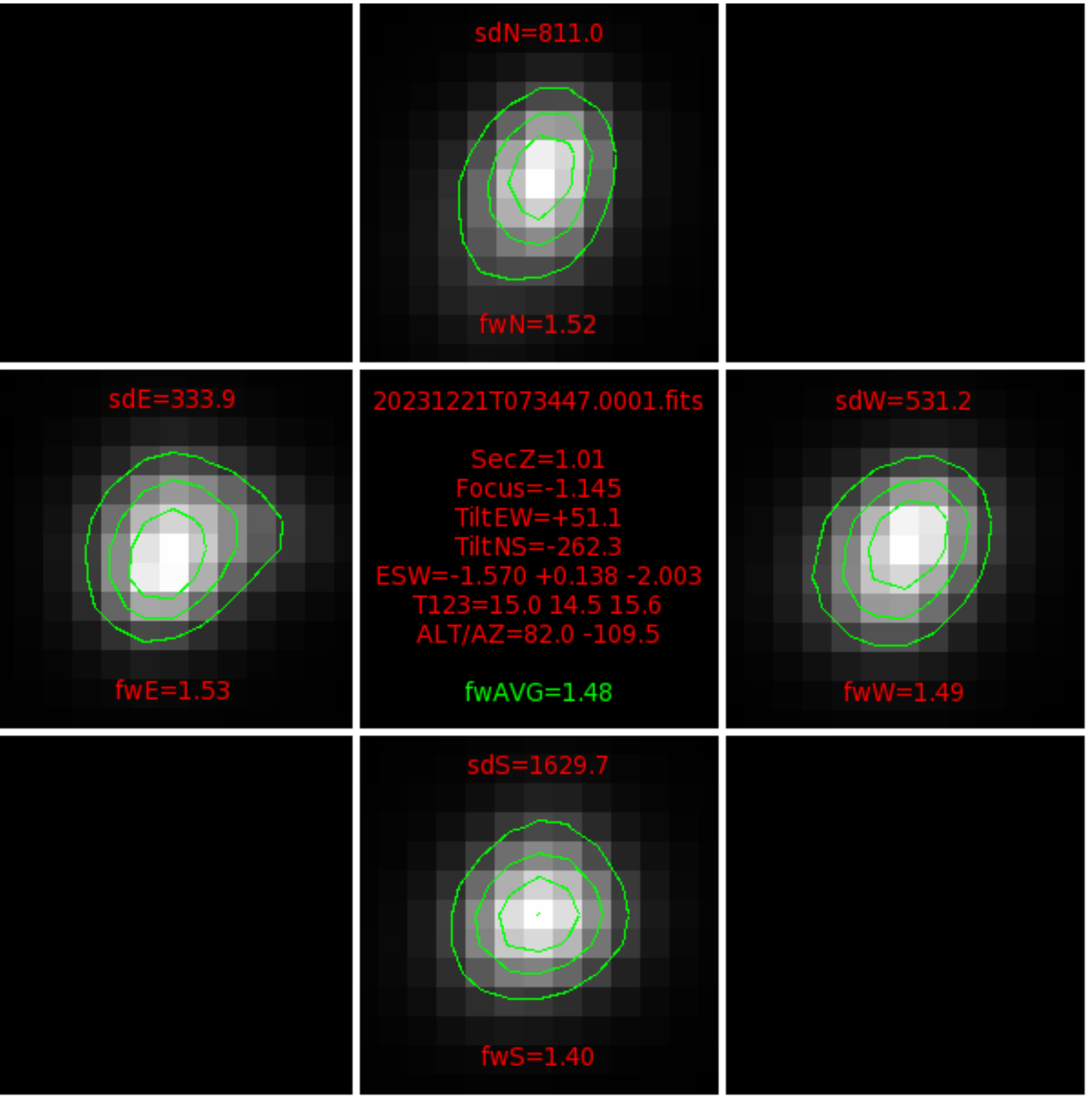
sdN=811.0
fwN=1.52
sdE=333.9
fwE=1.53
20231221T073447.0001.fits
SecZ=1.01
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=15.0 14.5 15.6
ALT/AZ=82.0 -109.5
fwAVG=1.48
sdW=531.2
fwW=1.49
sdS=1629.7
fwS=1.40
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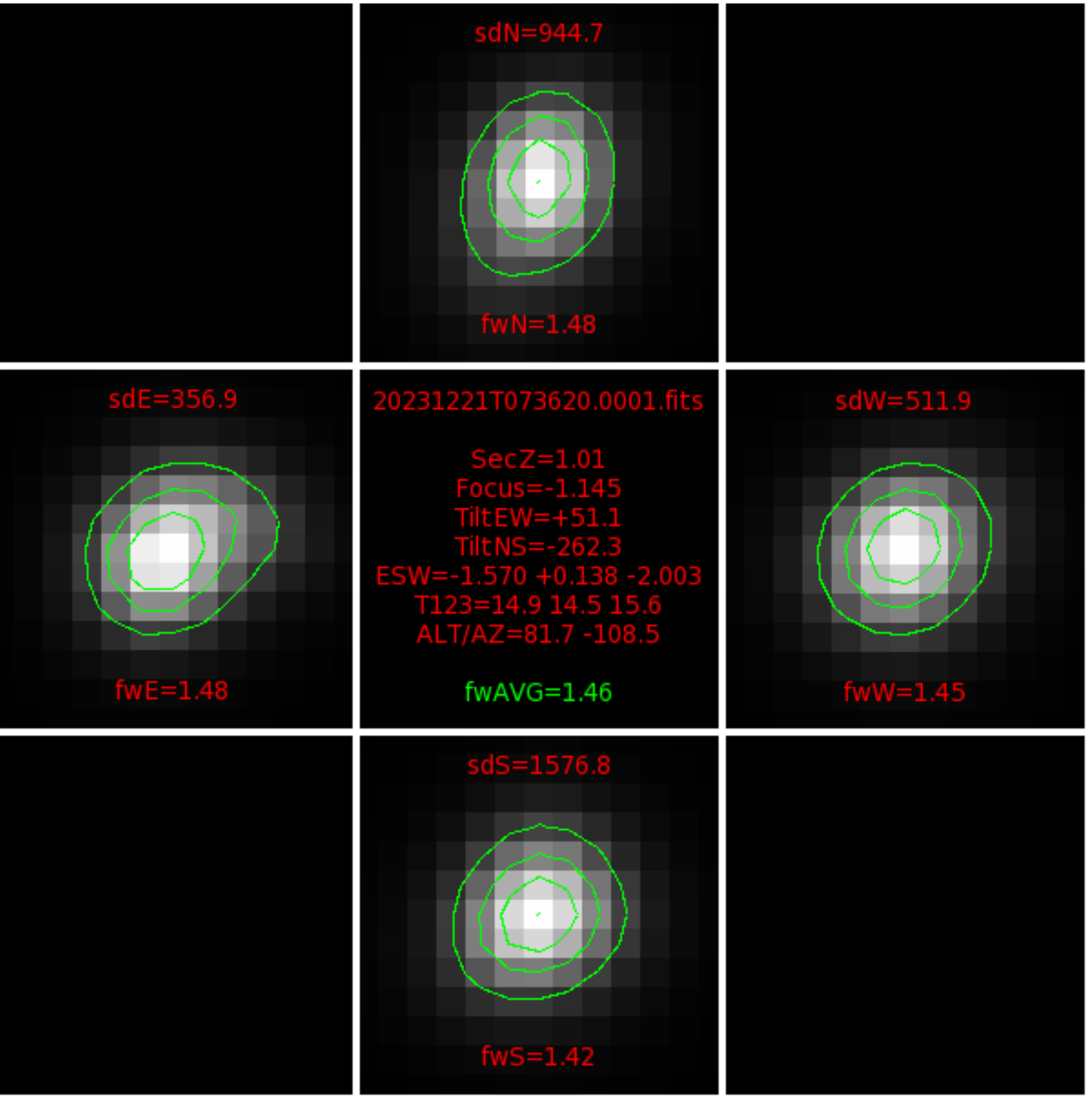
sdN=944.7
fwN=1.48
sdE=356.9
fwE=1.48
20231221T073620.0001.fits
SecZ=1.01
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=14.9 14.5 15.6
ALT/AZ=81.7 -108.5
fwAVG=1.46
sdW=511.9
fwW=1.45
sdS=1576.8
fwS=1.42
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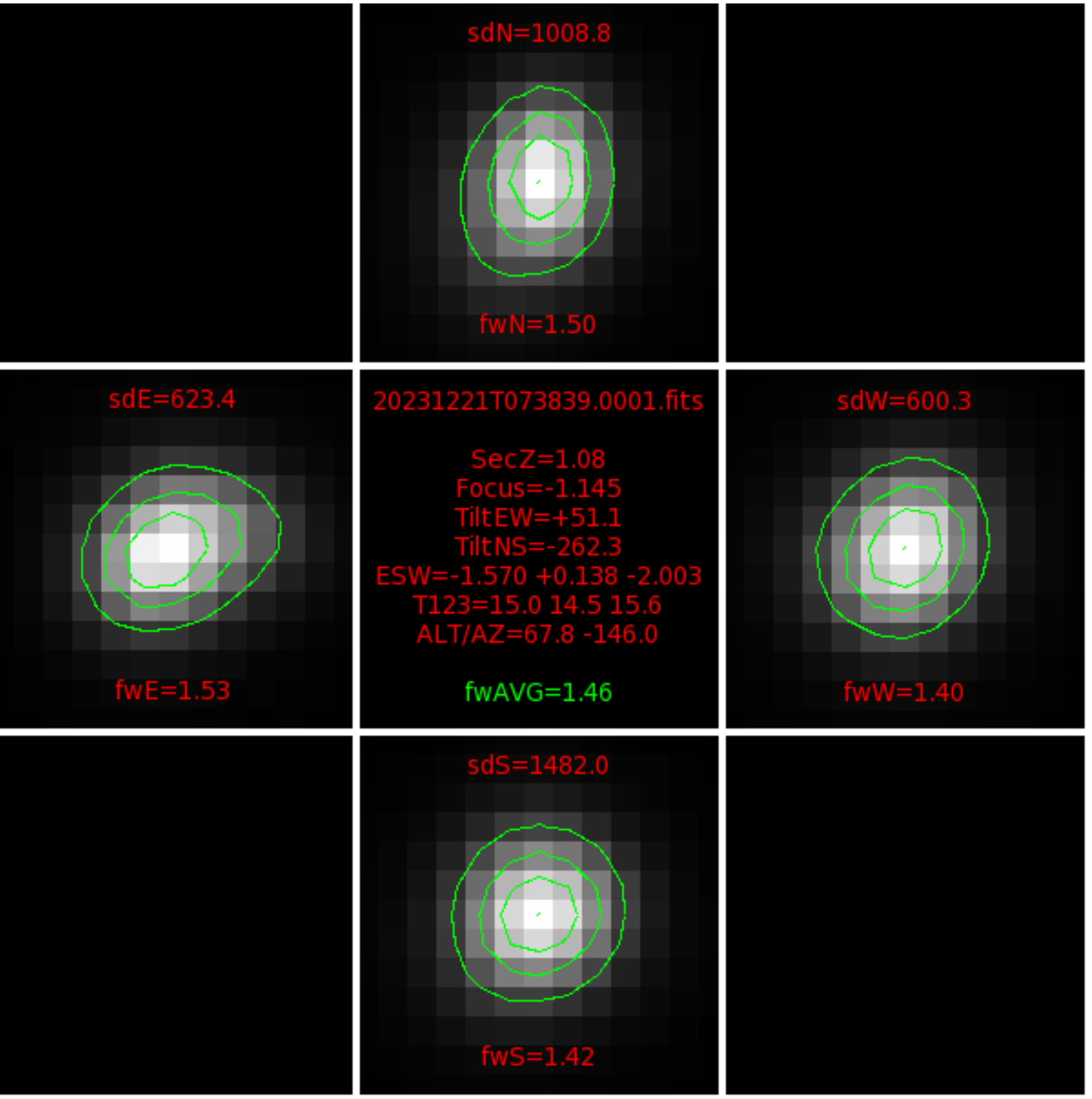
sdN=1008.8
fwN=1.50
sdE=623.4
fwE=1.53
20231221T073839.0001.fits
SecZ=1.08
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=15.0 14.5 15.6
ALT/AZ=67.8 -146.0
fwAVG=1.46
sdW=600.3
fwW=1.40
sdS=1482.0
fwS=1.42
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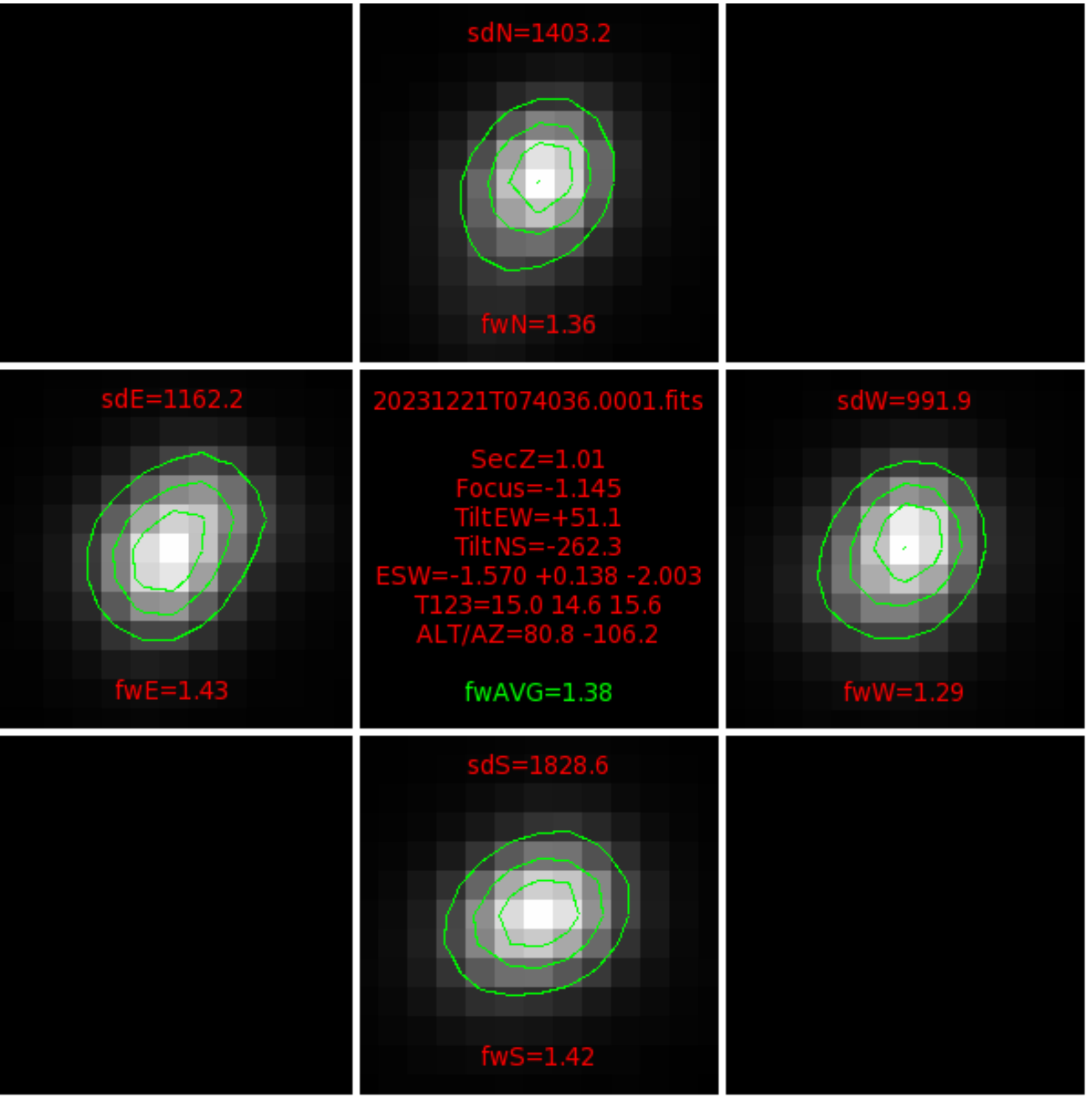
sdN=1403.2
fwN=1.36
sdE=1162.2
fwE=1.43
20231221T074036.0001.fits
SecZ=1.01
Focus=-1.145
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.570 +0.138 -2.003
T123=15.0 14.6 15.6
ALT/AZ=80.8 -106.2
fwAVG=1.38
sdW=991.9
fwW=1.29
sdS=1828.6
fwS=1.42
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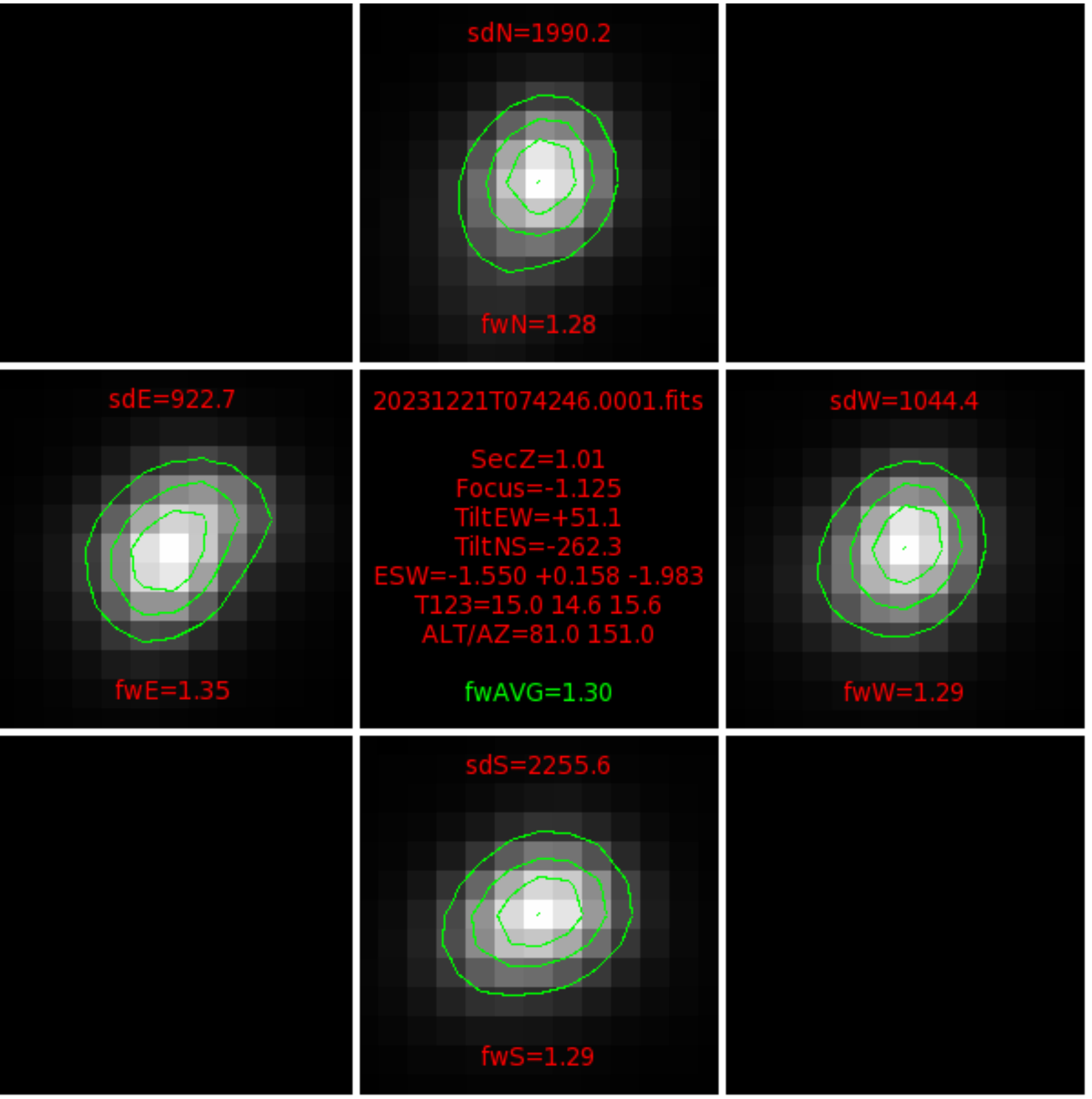
sdN=1990.2
fwN=1.28
sdE=922.7
fwE=1.35
20231221T074246.0001.fits
SecZ=1.01
Focus=-1.125
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.550 +0.158 -1.983
T123=15.0 14.6 15.6
ALT/AZ=81.0 151.0
fwAVG=1.30
sdW=1044.4
fwW=1.29
sdS=2255.6
fwS=1.29
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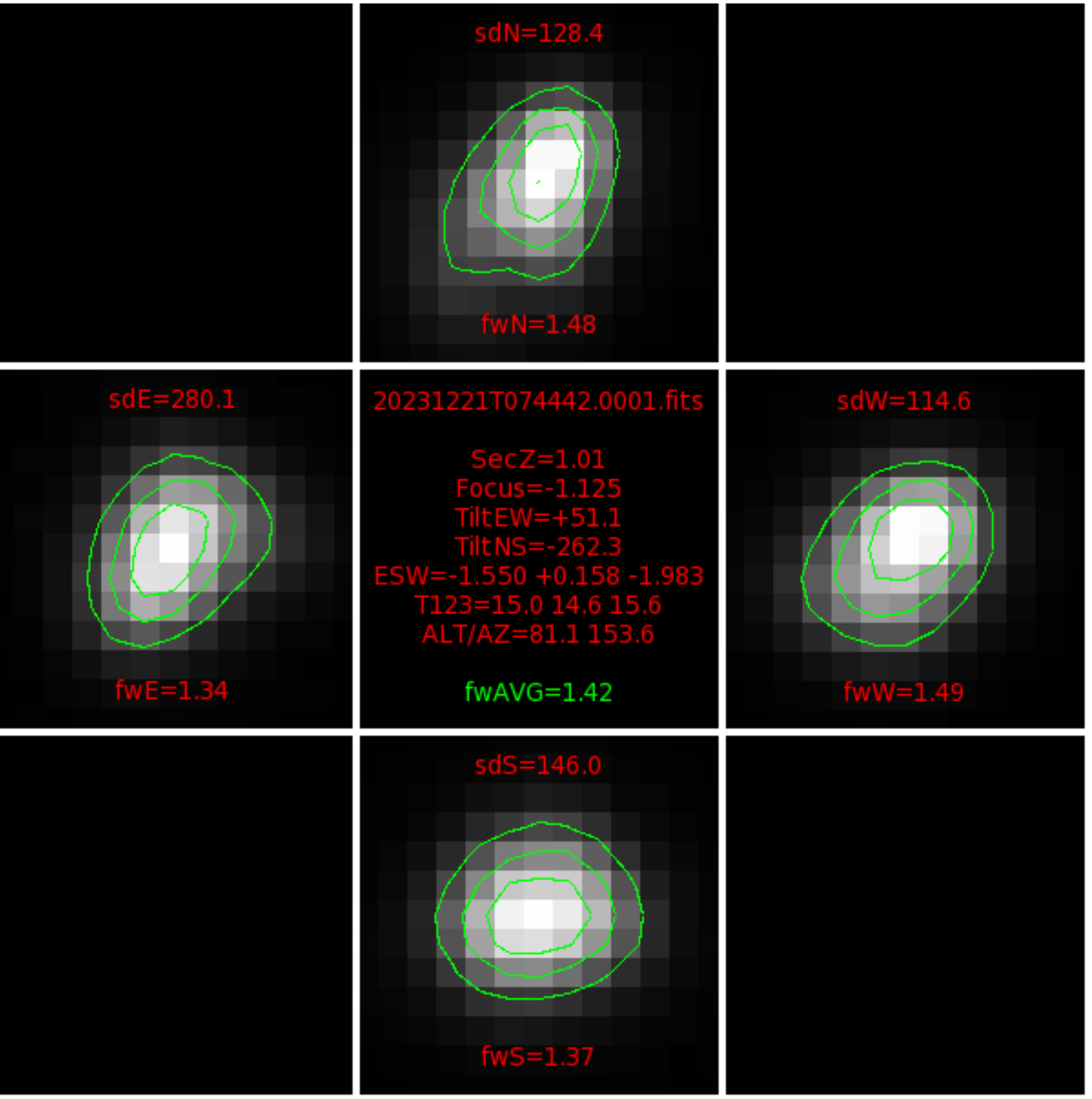
sdN=128.4
fwN=1.48
sdE=280.1
fwE=1.34
20231221T074442.0001.fits
SecZ=1.01
Focus=-1.125
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.550 +0.158 -1.983
T123=15.0 14.6 15.6
ALT/AZ=81.1 153.6
fwAVG=1.42
sdW=114.6
fwW=1.49
sdS=146.0
fwS=1.37
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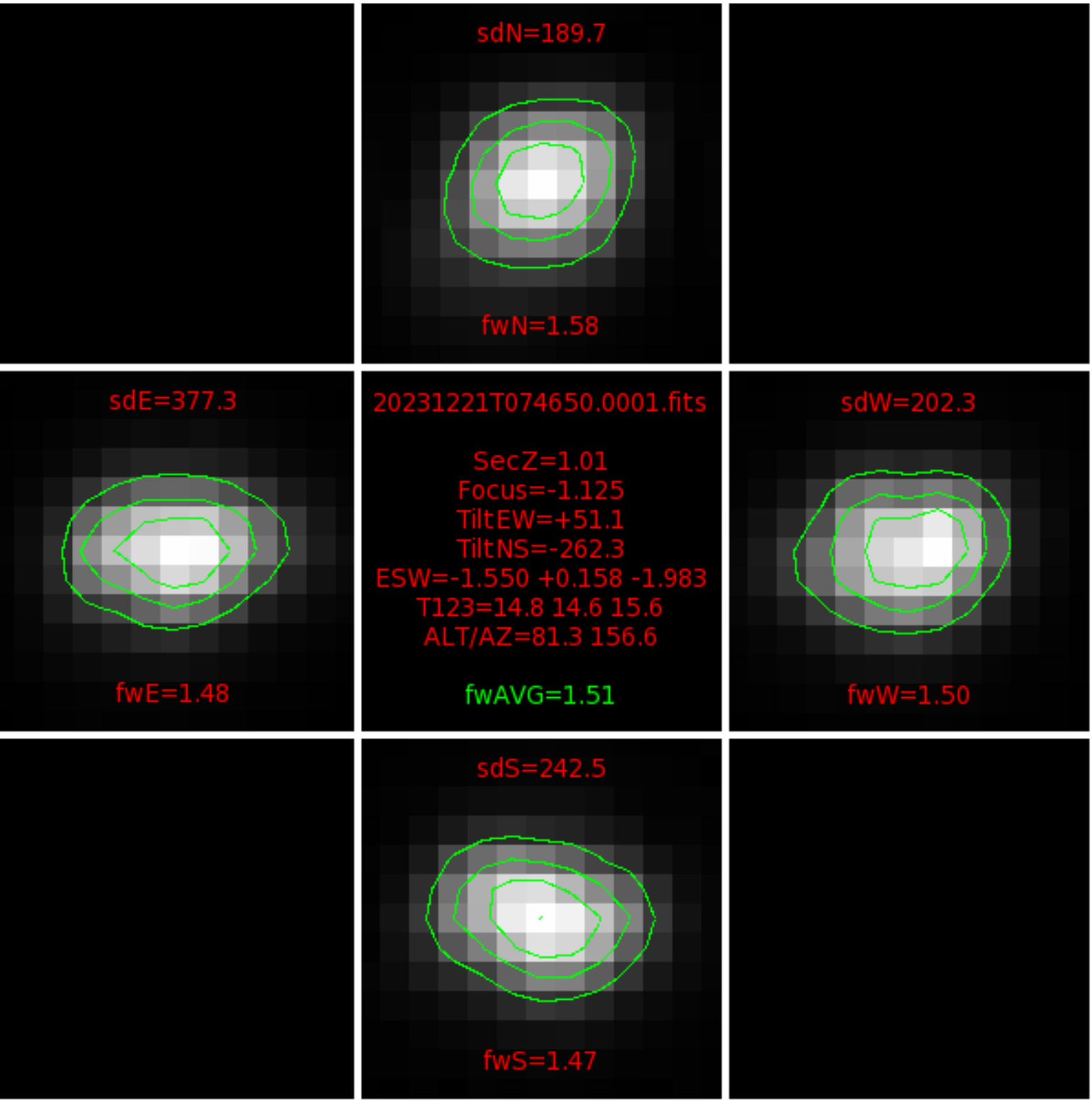
sdN=189.7
fwN=1.58
sdE=377.3
fwE=1.48
20231221T074650.0001.fits
SecZ=1.01
Focus=-1.125
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.550 +0.158 -1.983
T123=14.8 14.6 15.6
ALT/AZ=81.3 156.6
fwAVG=1.51
sdW=202.3
fwW=1.50
sdS=242.5
fwS=1.47
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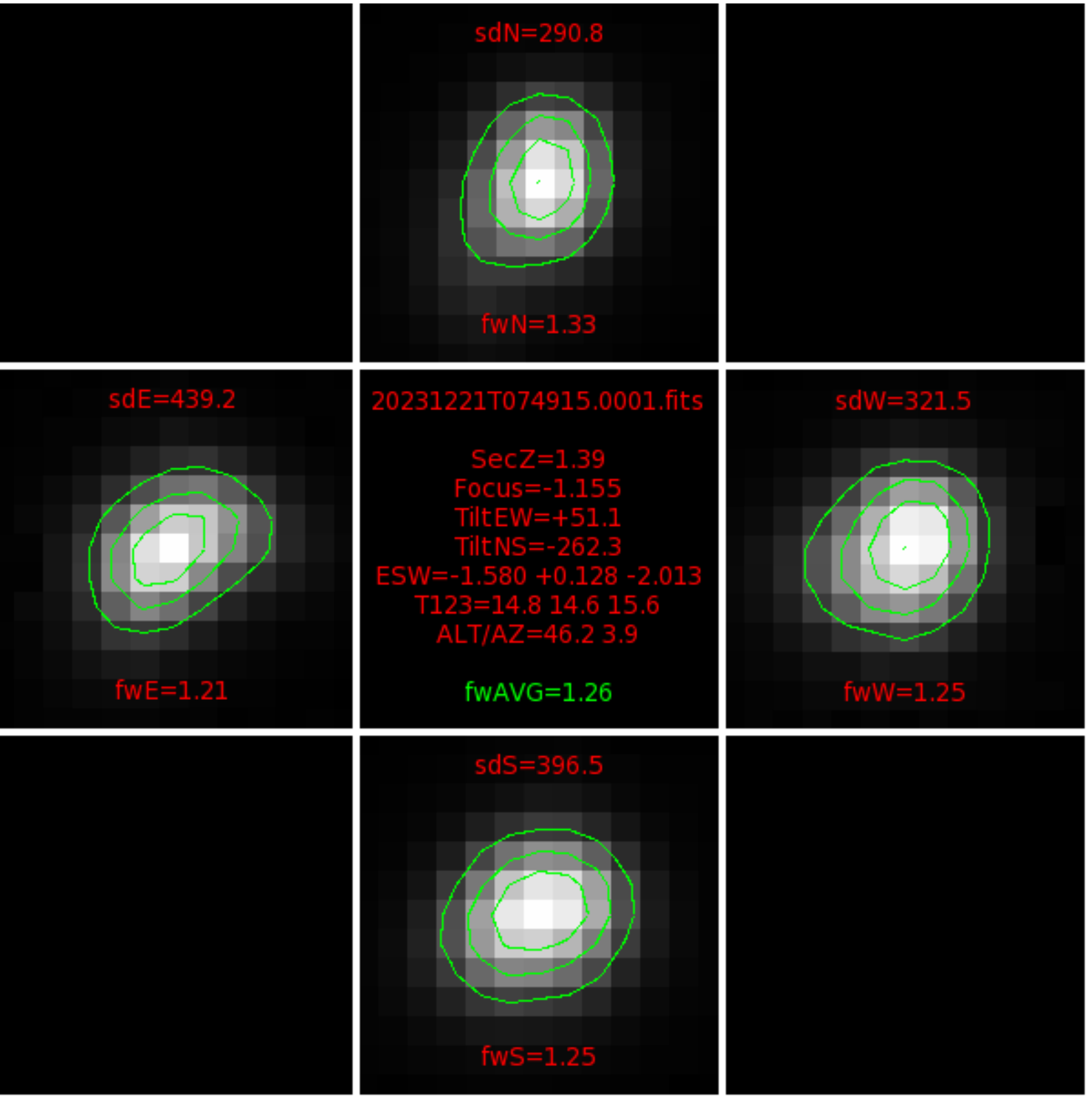
sdN=290.8
fwN=1.33
sdE=439.2
fwE=1.21
20231221T074915.0001.fits
SecZ=1.39
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=14.8 14.6 15.6
ALT/AZ=46.2 3.9
fwAVG=1.26
sdW=321.5
fwW=1.25
sdS=396.5
fwS=1.25
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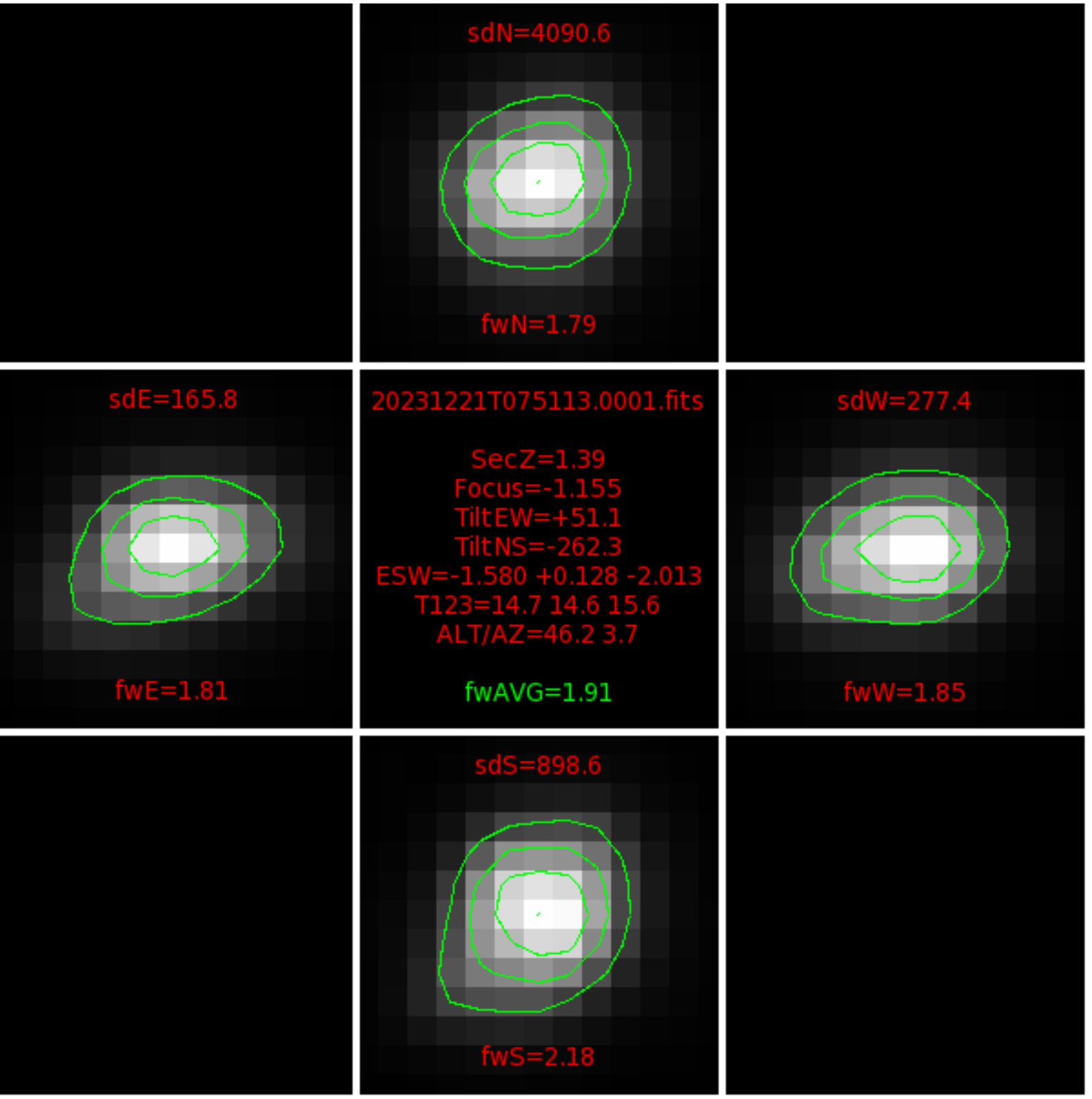
sdN=4090.6
fwN=1.79
sdE=165.8
fwE=1.81
20231221T075113.0001.fits
SecZ=1.39
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=14.7 14.6 15.6
ALT/AZ=46.2 3.7
fwAVG=1.91
sdW=277.4
fwW=1.85
sdS=898.6
fwS=2.18
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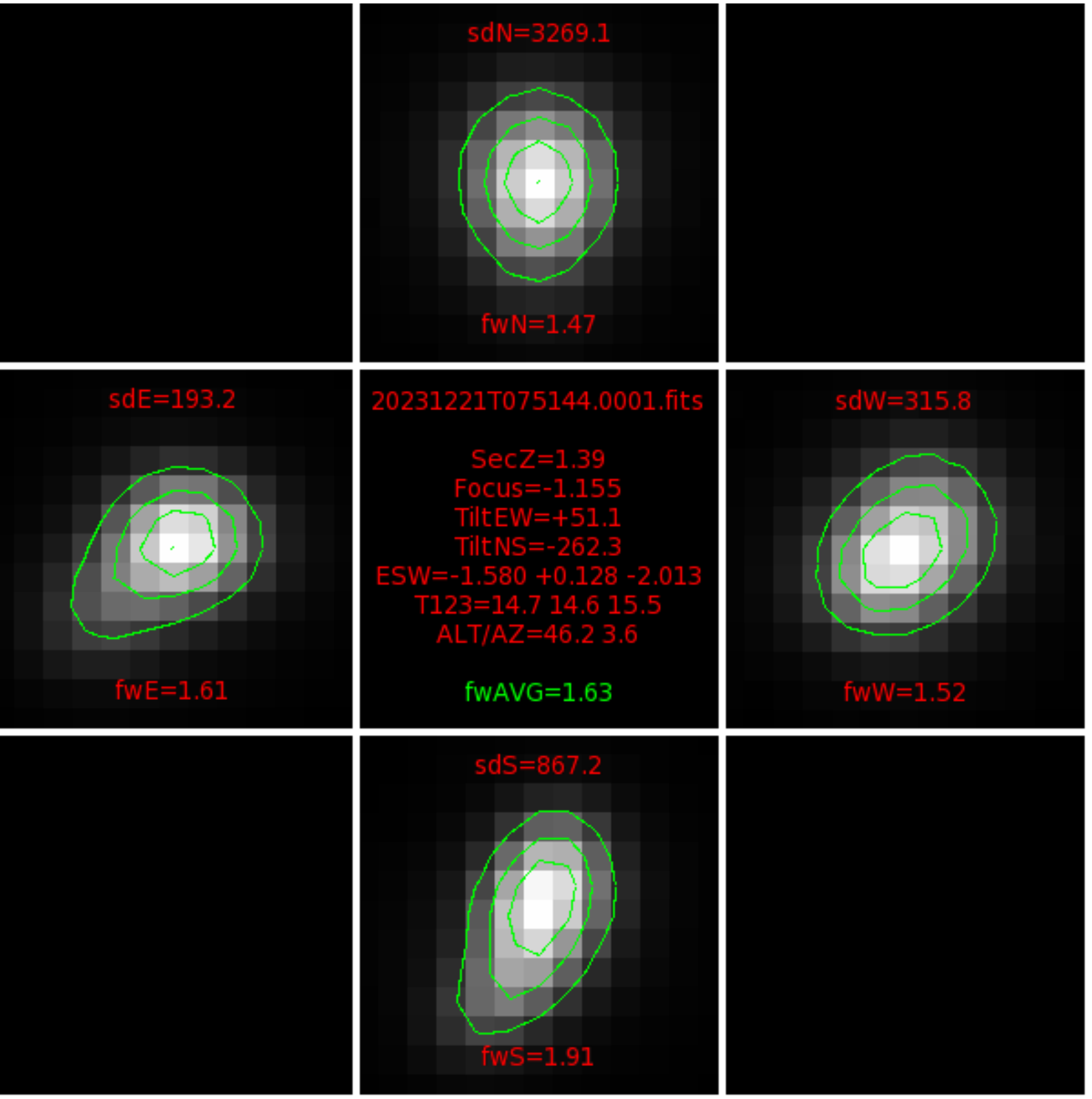
sdN=3269.1
fwN=1.47
sdE=193.2
fwE=1.61
20231221T075144.0001.fits
SecZ=1.39
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=14.7 14.6 15.5
ALT/AZ=46.2 3.6
fwAVG=1.63
sdW=315.8
fwW=1.52
sdS=867.2
fwS=1.91
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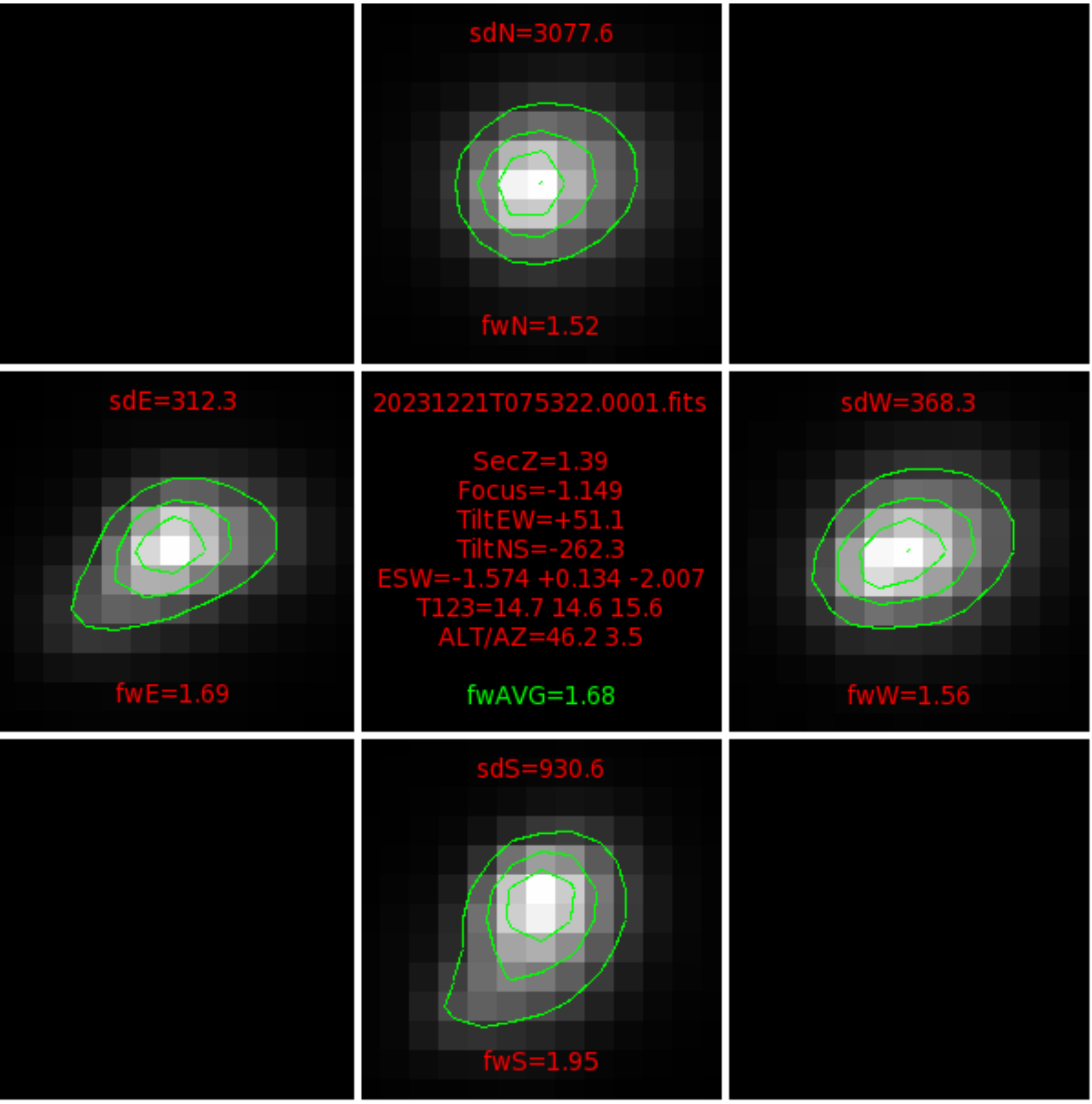
sdN=3077.6
fwN=1.52
sdE=312.3
fwE=1.69
20231221T075322.0001.fits
SecZ=1.39
Focus=-1.149
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.574 +0.134 -2.007
T123=14.7 14.6 15.6
ALT/AZ=46.2 3.5
fwAVG=1.68
sdW=368.3
fwW=1.56
sdS=930.6
fwS=1.95
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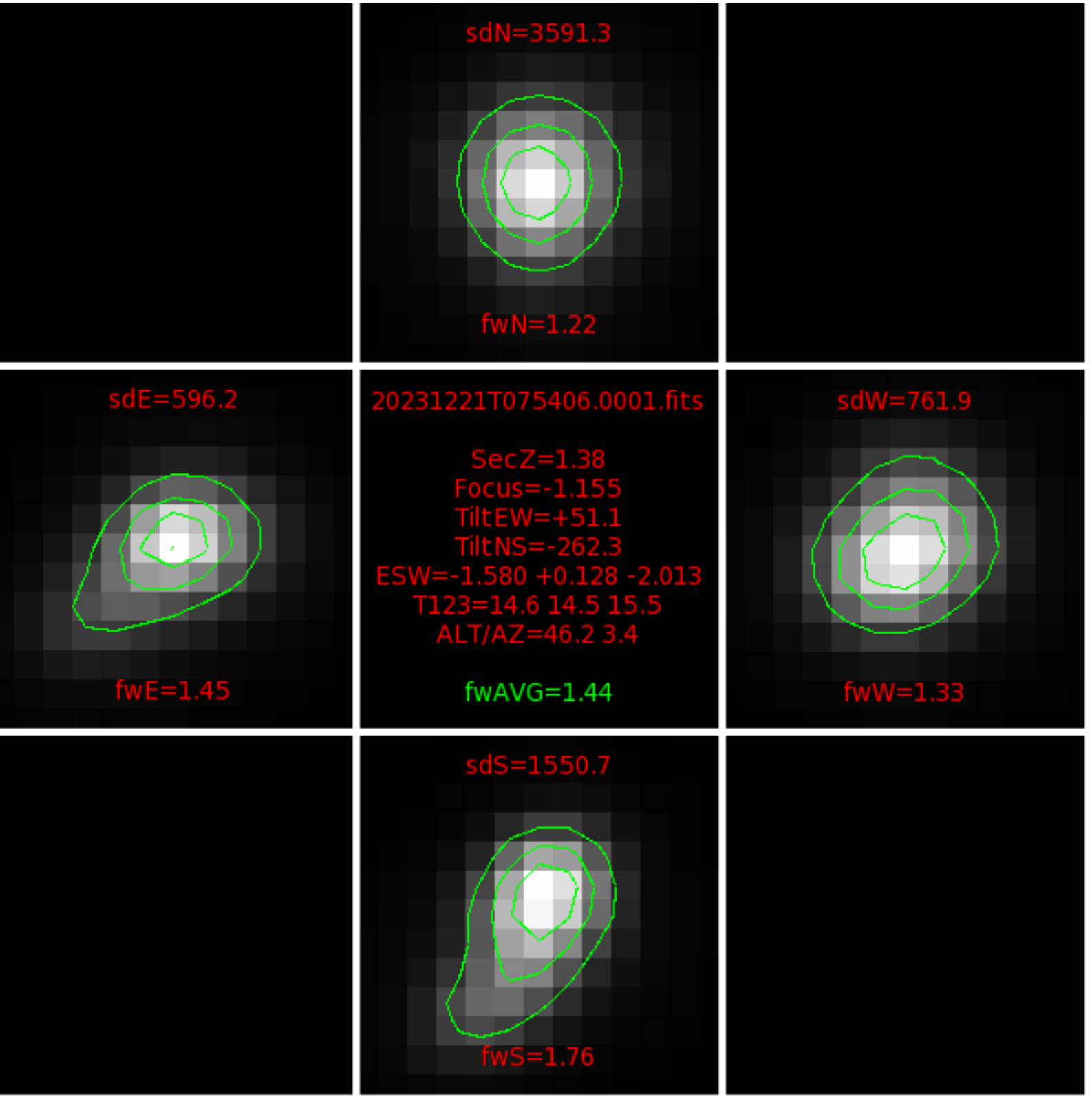
sdN=3591.3
fwN=1.22
sdE=596.2
fwE=1.45
20231221T075406.0001.fits
SecZ=1.38
Focus=-1.155
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.580 +0.128 -2.013
T123=14.6 14.5 15.5
ALT/AZ=46.2 3.4
fwAVG=1.44
sdW=761.9
fwW=1.33
sdS=1550.7
fwS=1.76
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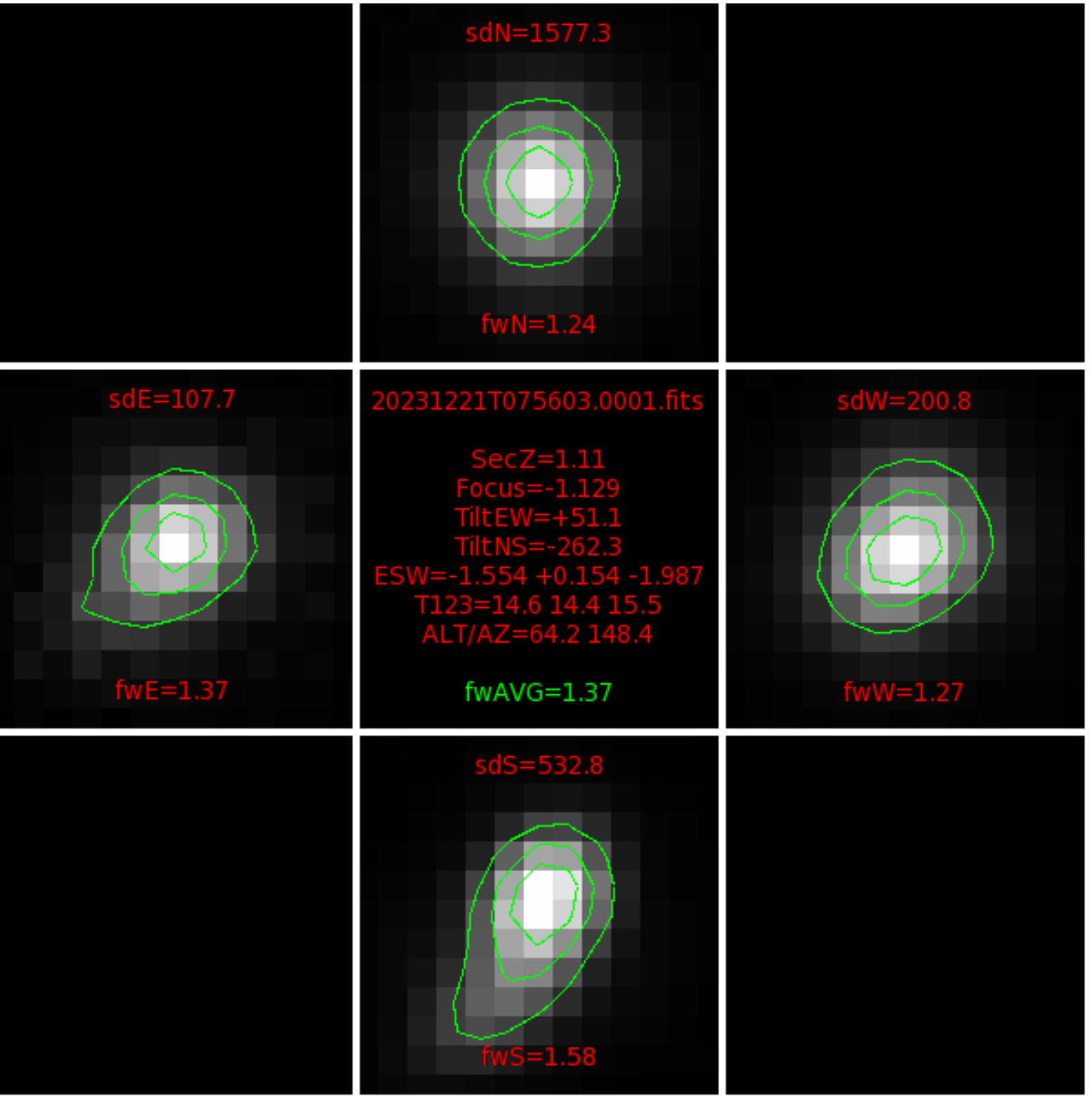
sdN=1577.3
fwN=1.24
sdE=107.7
fwE=1.37
20231221T075603.0001.fits
SecZ=1.11
Focus=-1.129
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.554 +0.154 -1.987
T123=14.6 14.4 15.5
ALT/AZ=64.2 148.4
fwAVG=1.37
sdW=200.8
fwW=1.27
sdS=532.8
fwS=1.58
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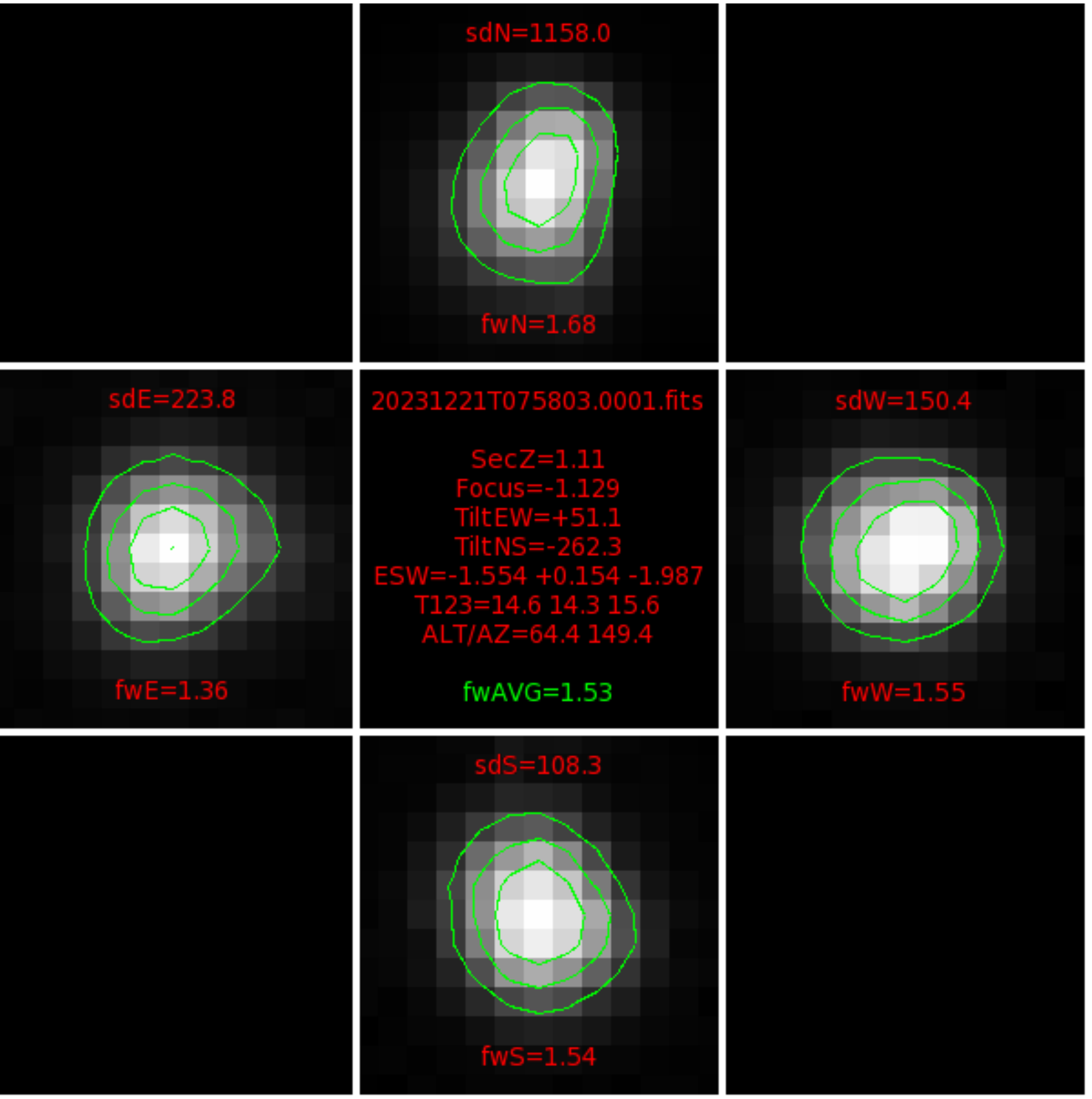
sdN=1158.0
fwN=1.68
sdE=223.8
fwE=1.36
20231221T075803.0001.fits
SecZ=1.11
Focus=-1.129
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.554 +0.154 -1.987
T123=14.6 14.3 15.6
ALT/AZ=64.4 149.4
fwAVG=1.53
sdW=150.4
fwW=1.55
sdS=108.3
fwS=1.54
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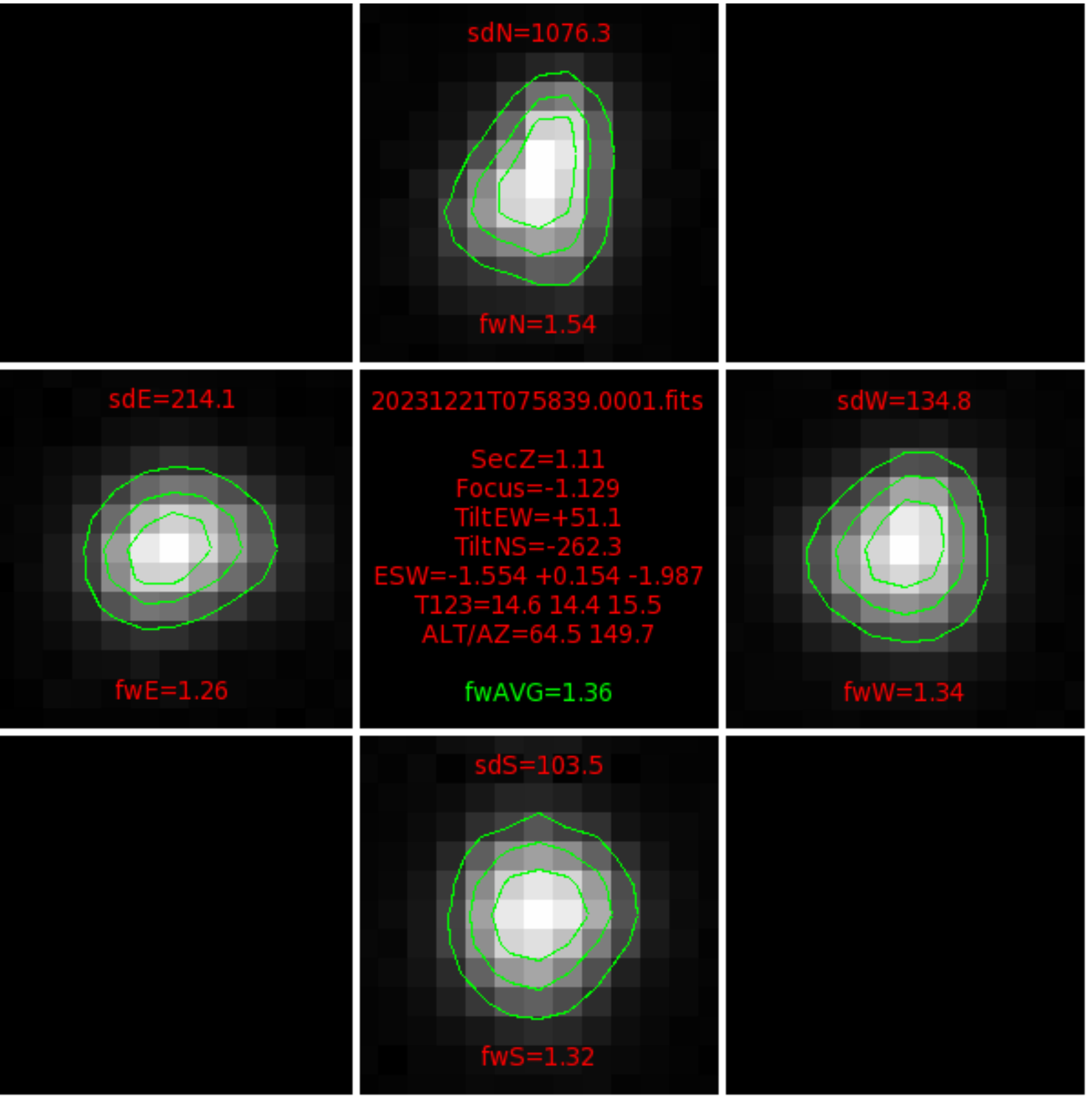
sdN=1076.3
fwN=1.54
sdE=214.1
fwE=1.26
20231221T075839.0001.fits
SecZ=1.11
Focus=-1.129
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.554 +0.154 -1.987
T123=14.6 14.4 15.5
ALT/AZ=64.5 149.7
fwAVG=1.36
sdW=134.8
fwW=1.34
sdS=103.5
fwS=1.32
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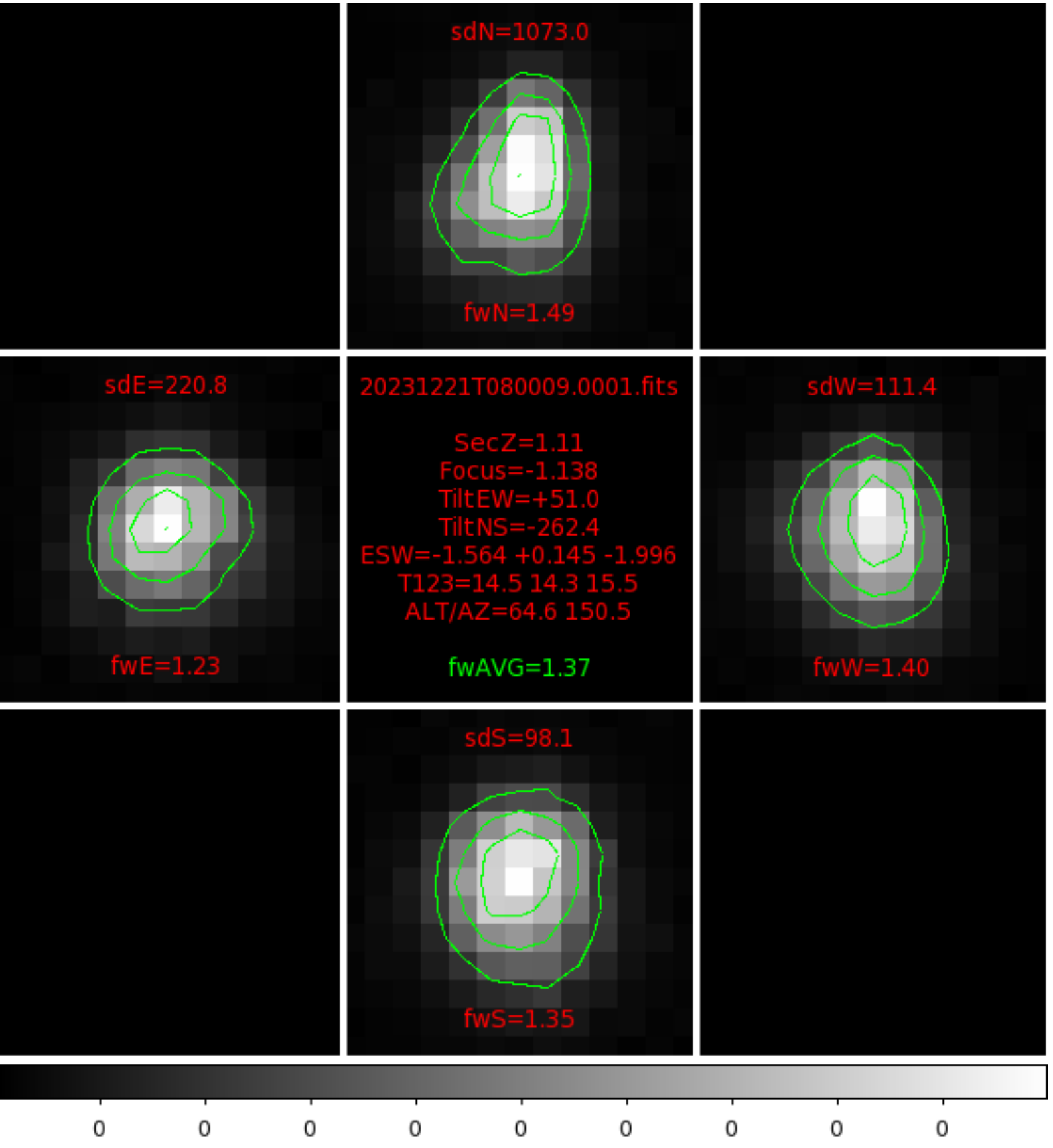
sdN=1073.0
fwN=1.49
sdE=220.8
fwE=1.23
20231221T080009.0001.fits
SecZ=1.11
Focus=-1.138
TiltEW=+51.0
TiltNS=-262.4
ESW=-1.564 +0.145 -1.996
T123=14.5 14.3 15.5
ALT/AZ=64.6 150.5
fwAVG=1.37
sdW=111.4
fwW=1.40
sdS=98.1
fwS=1.35
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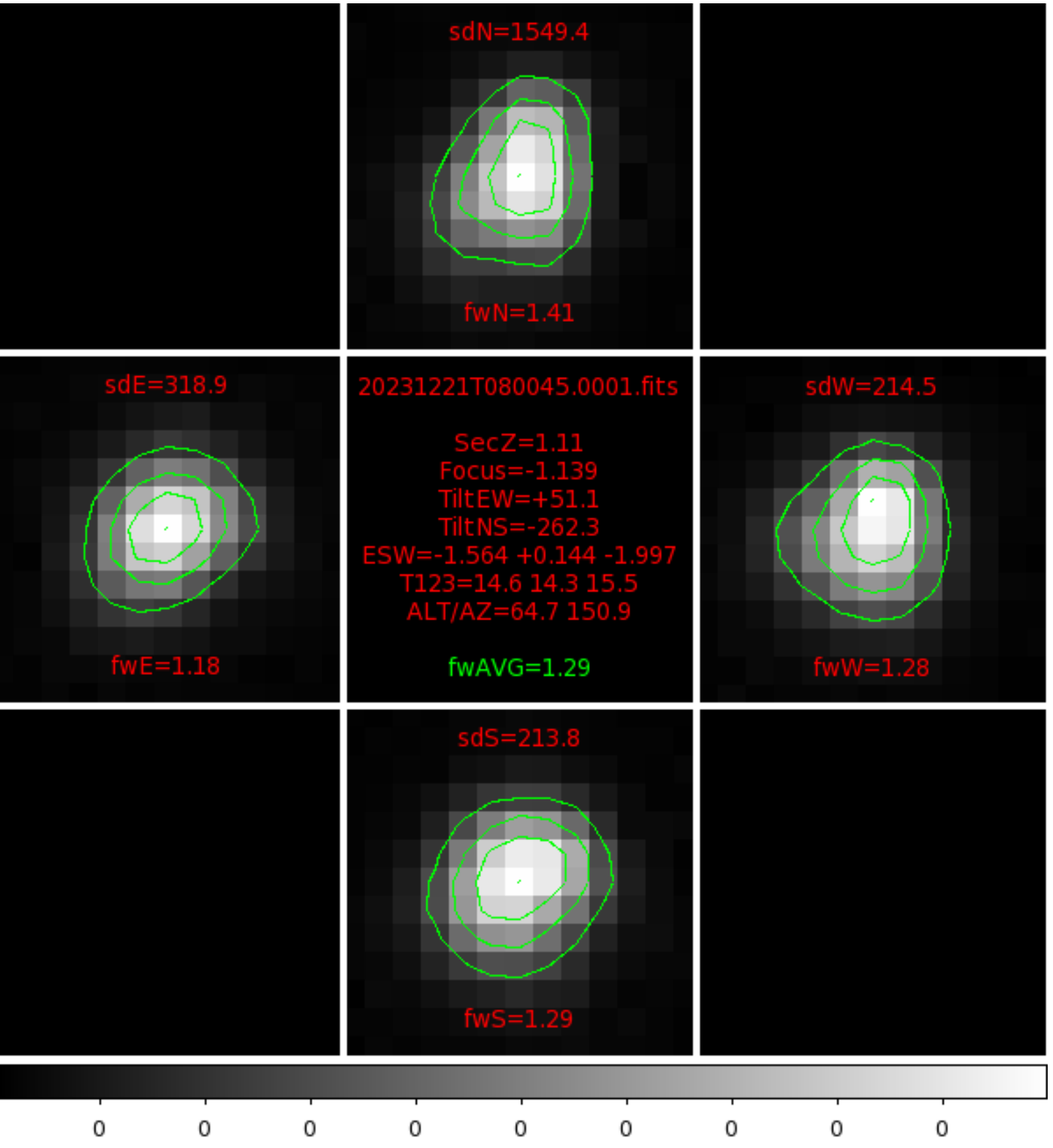
sdN=1549.4
fwN=1.41
sdE=318.9
fwE=1.18
20231221T080045.0001.fits
SecZ=1.11
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=14.6 14.3 15.5
ALT/AZ=64.7 150.9
fwAVG=1.29
sdW=214.5
fwW=1.28
sdS=213.8
fwS=1.29
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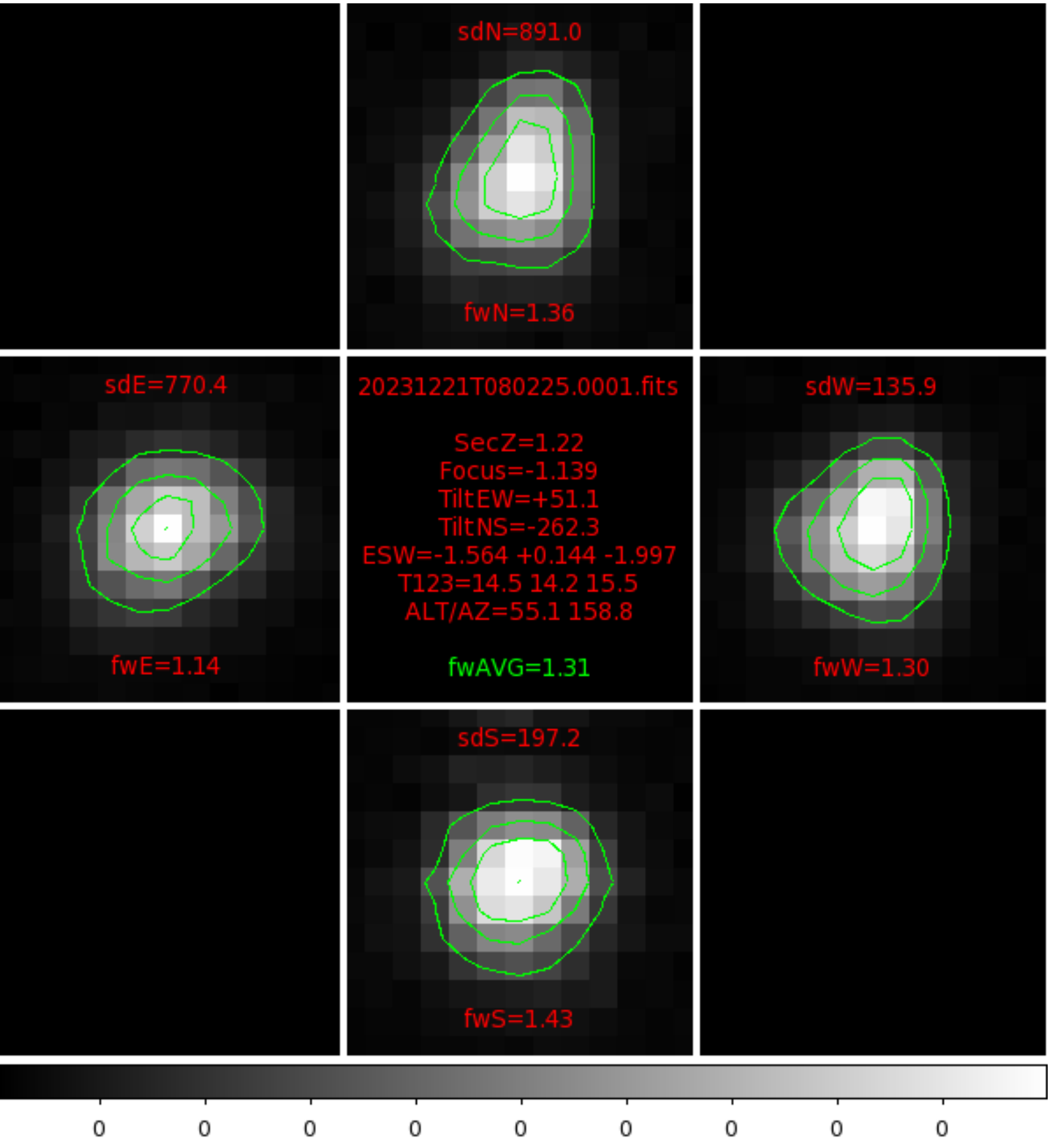
sdN=891.0
fwN=1.36
sdE=770.4
fwE=1.14
20231221T080225.0001.fits
SecZ=1.22
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=14.5 14.2 15.5
ALT/AZ=55.1 158.8
fwAVG=1.31
sdW=135.9
fwW=1.30
sdS=197.2
fwS=1.43
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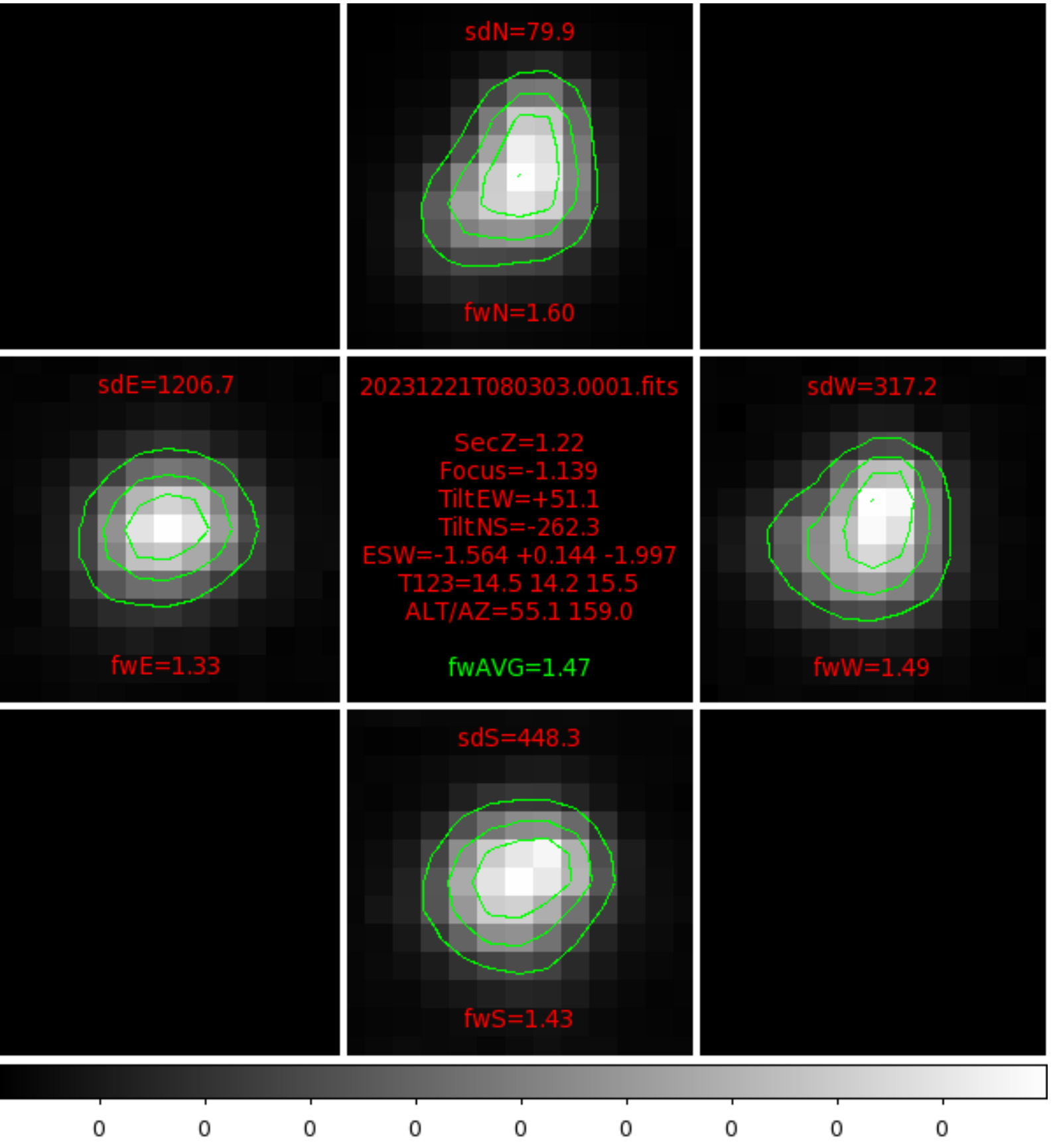
sdN=79.9
fwN=1.60
sdE=1206.7
fwE=1.33
20231221T080303.0001.fits
SecZ=1.22
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=14.5 14.2 15.5
ALT/AZ=55.1 159.0
fwAVG=1.47
sdW=317.2
fwW=1.49
sdS=448.3
fwS=1.43
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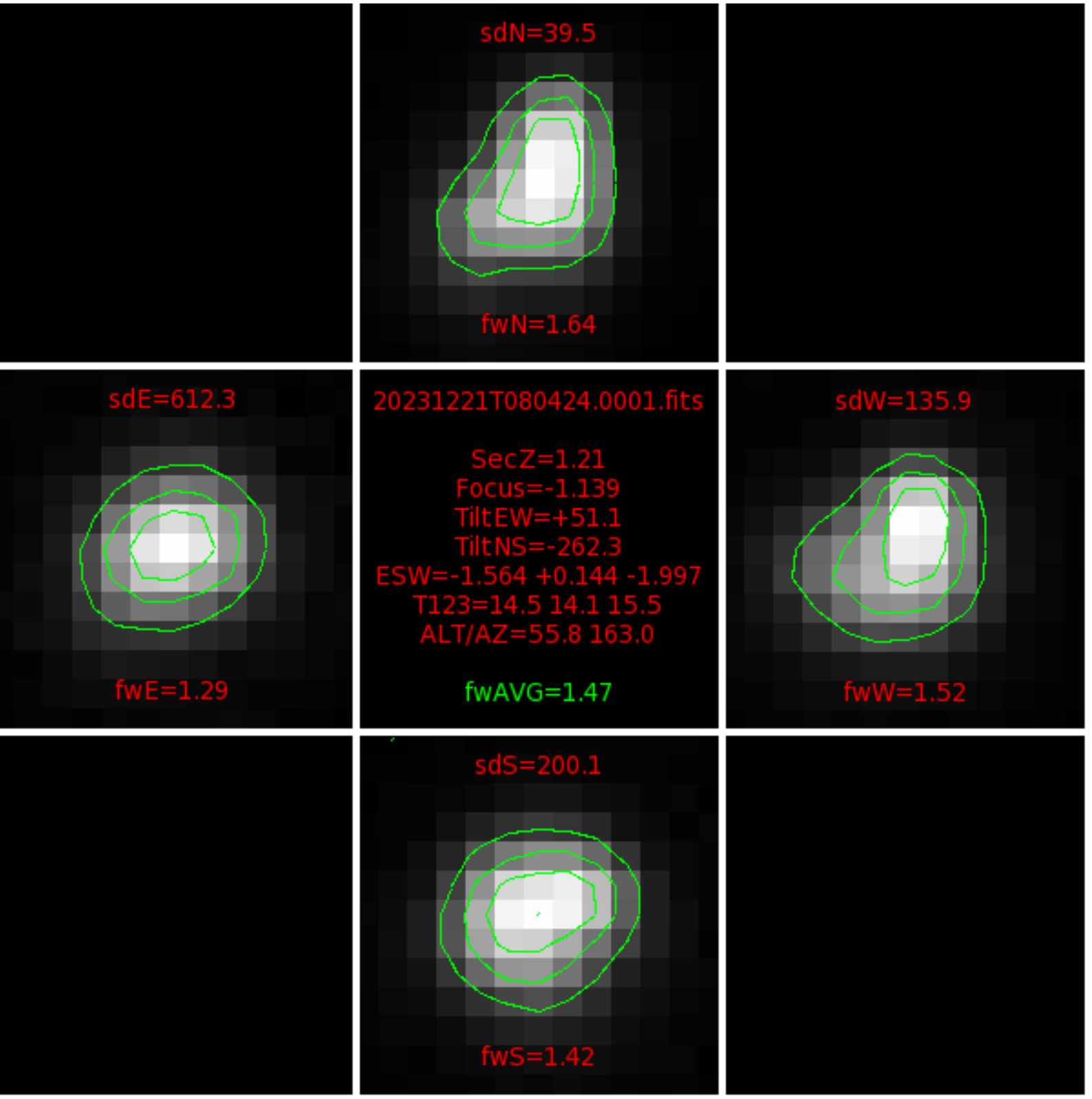
sdN=39.5
fwN=1.64
sdE=612.3
fwE=1.29
20231221T080424.0001.fits
SecZ=1.21
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=14.5 14.1 15.5
ALT/AZ=55.8 163.0
fwAVG=1.47
sdW=135.9
fwW=1.52
sdS=200.1
fwS=1.42
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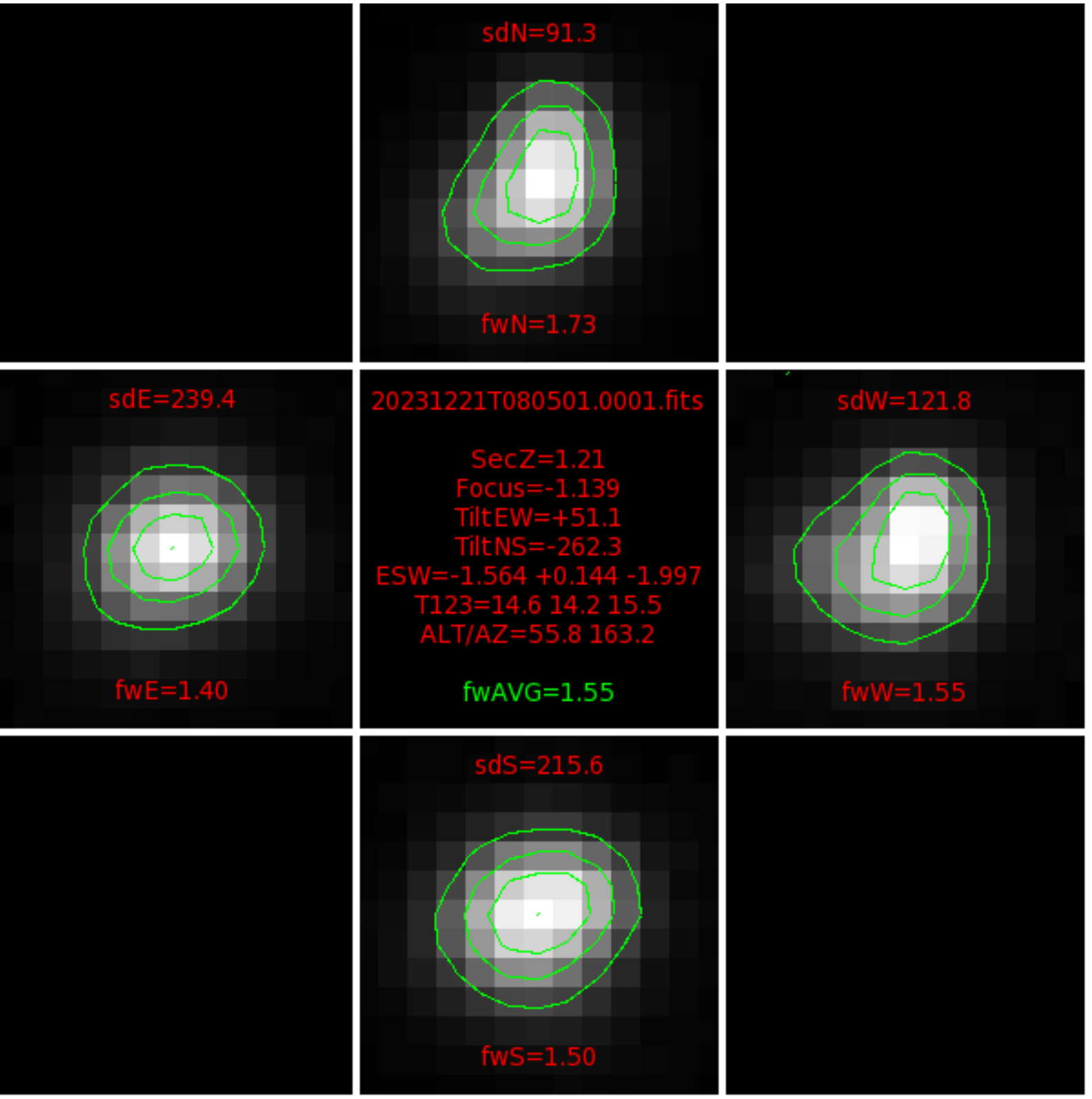
sdN=91.3
fwN=1.73
sdE=239.4
fwE=1.40
20231221T080501.0001.fits
SecZ=1.21
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=14.6 14.2 15.5
ALT/AZ=55.8 163.2
fwAVG=1.55
sdW=121.8
fwW=1.55
sdS=215.6
fwS=1.50
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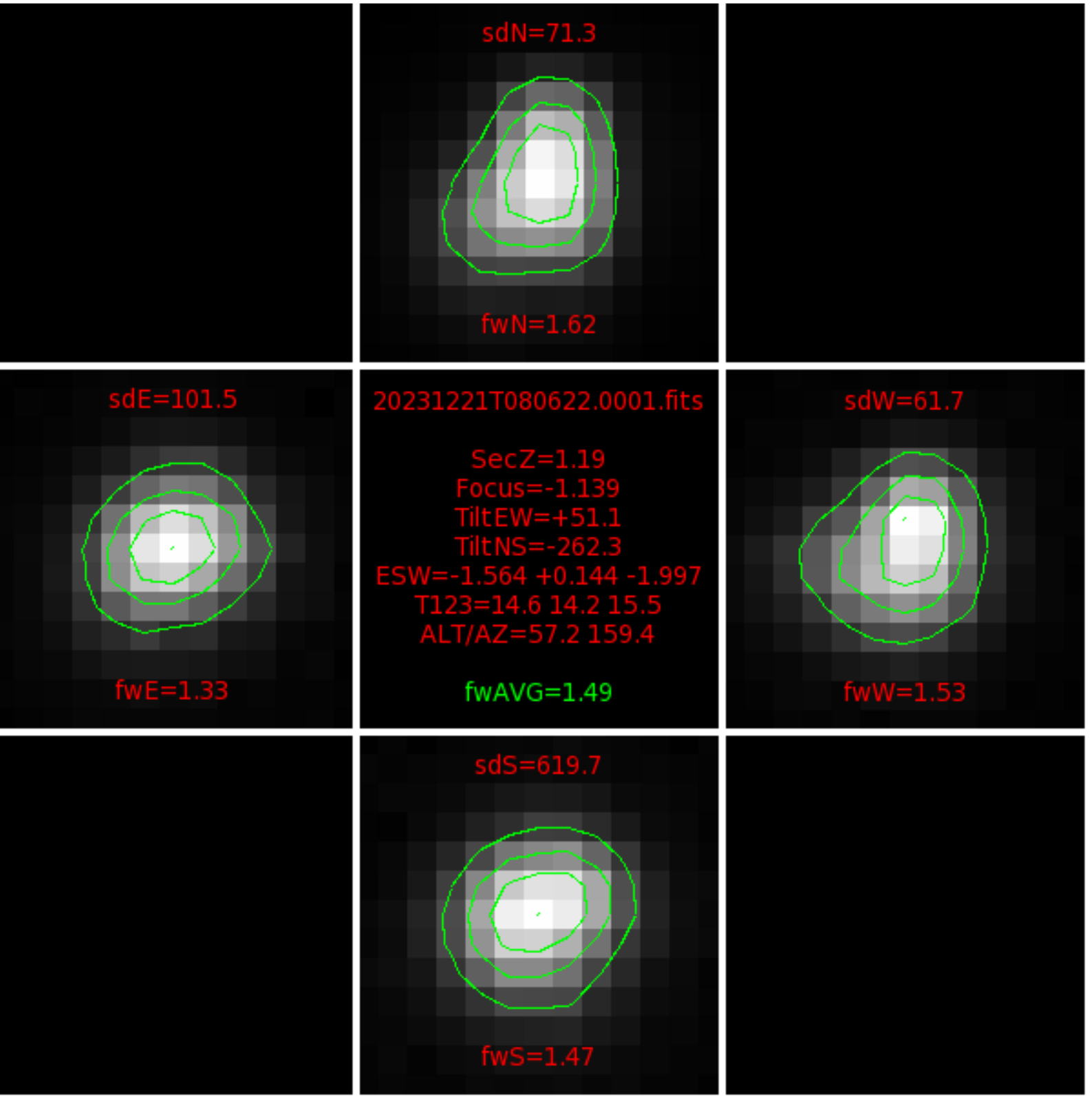
sdN=71.3
fwN=1.62
sdE=101.5
fwE=1.33
20231221T080622.0001.fits
SecZ=1.19
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=14.6 14.2 15.5
ALT/AZ=57.2 159.4
fwAVG=1.49
sdW=61.7
fwW=1.53
sdS=619.7
fwS=1.47
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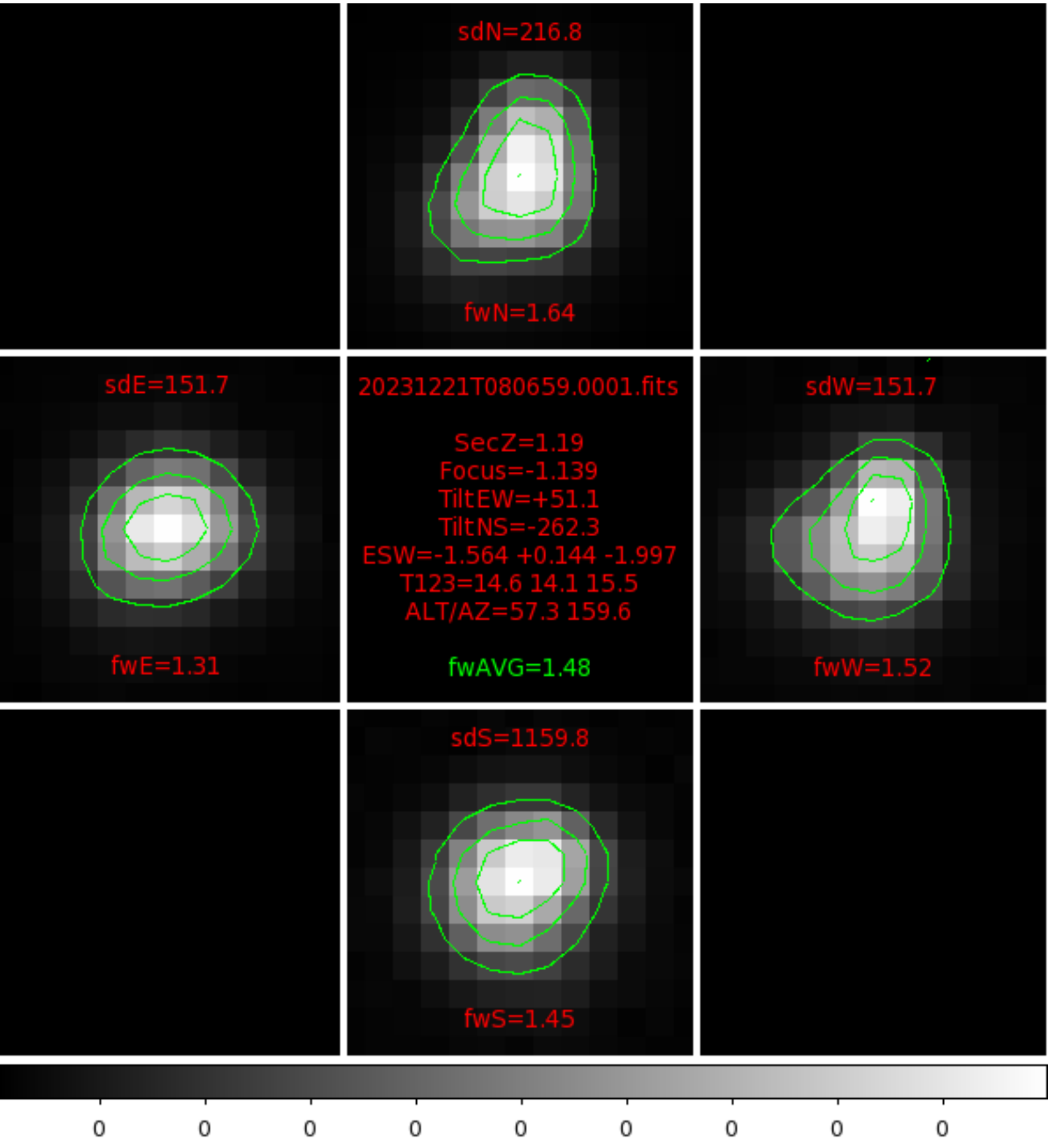
sdN=216.8
fwN=1.64
sdE=151.7
fwE=1.31
20231221T080659.0001.fits
SecZ=1.19
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=14.6 14.1 15.5
ALT/AZ=57.3 159.6
fwAVG=1.48
sdW=151.7
fwW=1.52
sdS=1159.8
fwS=1.45
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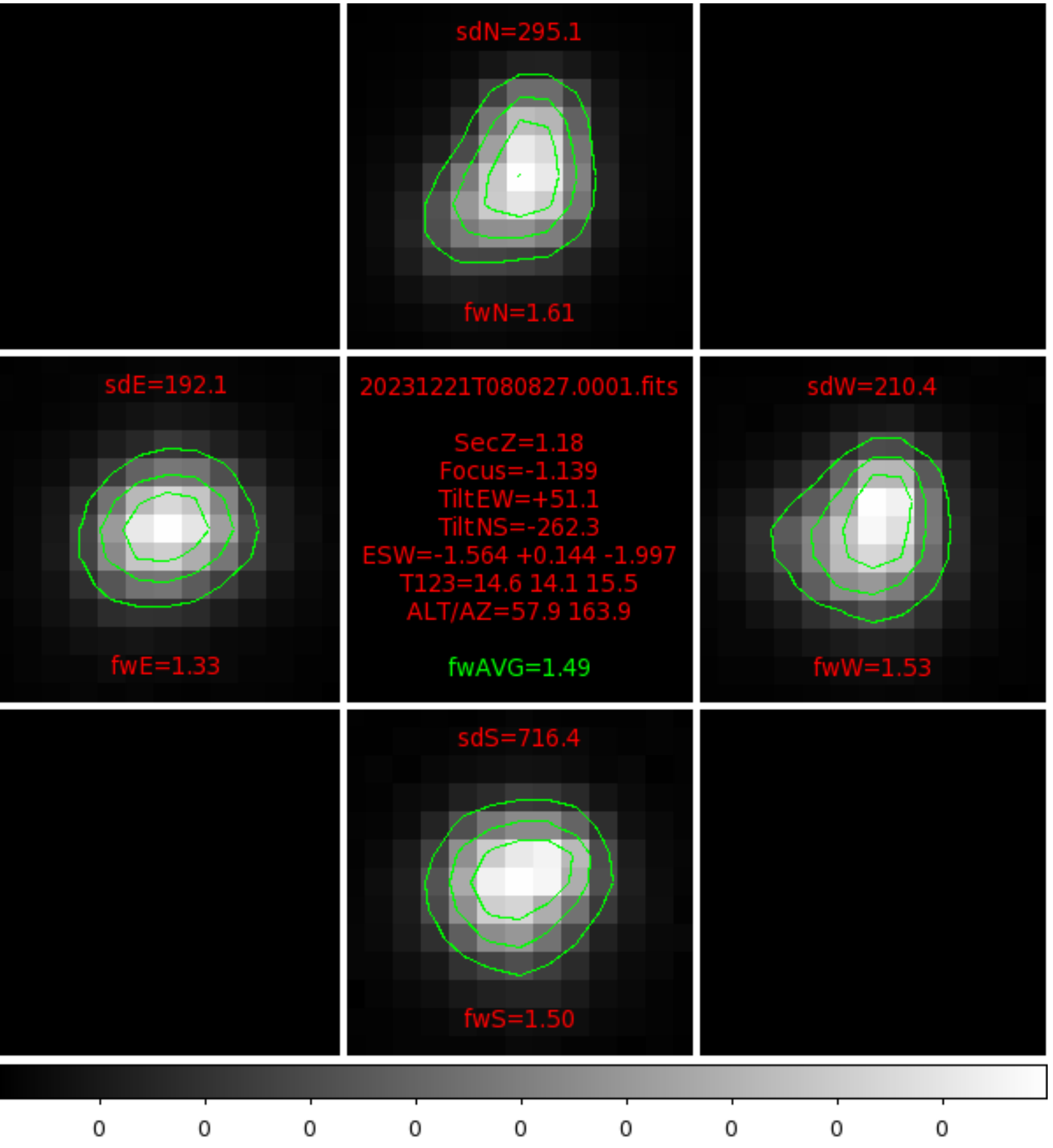
sdN=295.1
fwN=1.61
sdE=192.1
fwE=1.33
20231221T080827.0001.fits
SecZ=1.18
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=14.6 14.1 15.5
ALT/AZ=57.9 163.9
fwAVG=1.49
sdW=210.4
fwW=1.53
sdS=716.4
fwS=1.50
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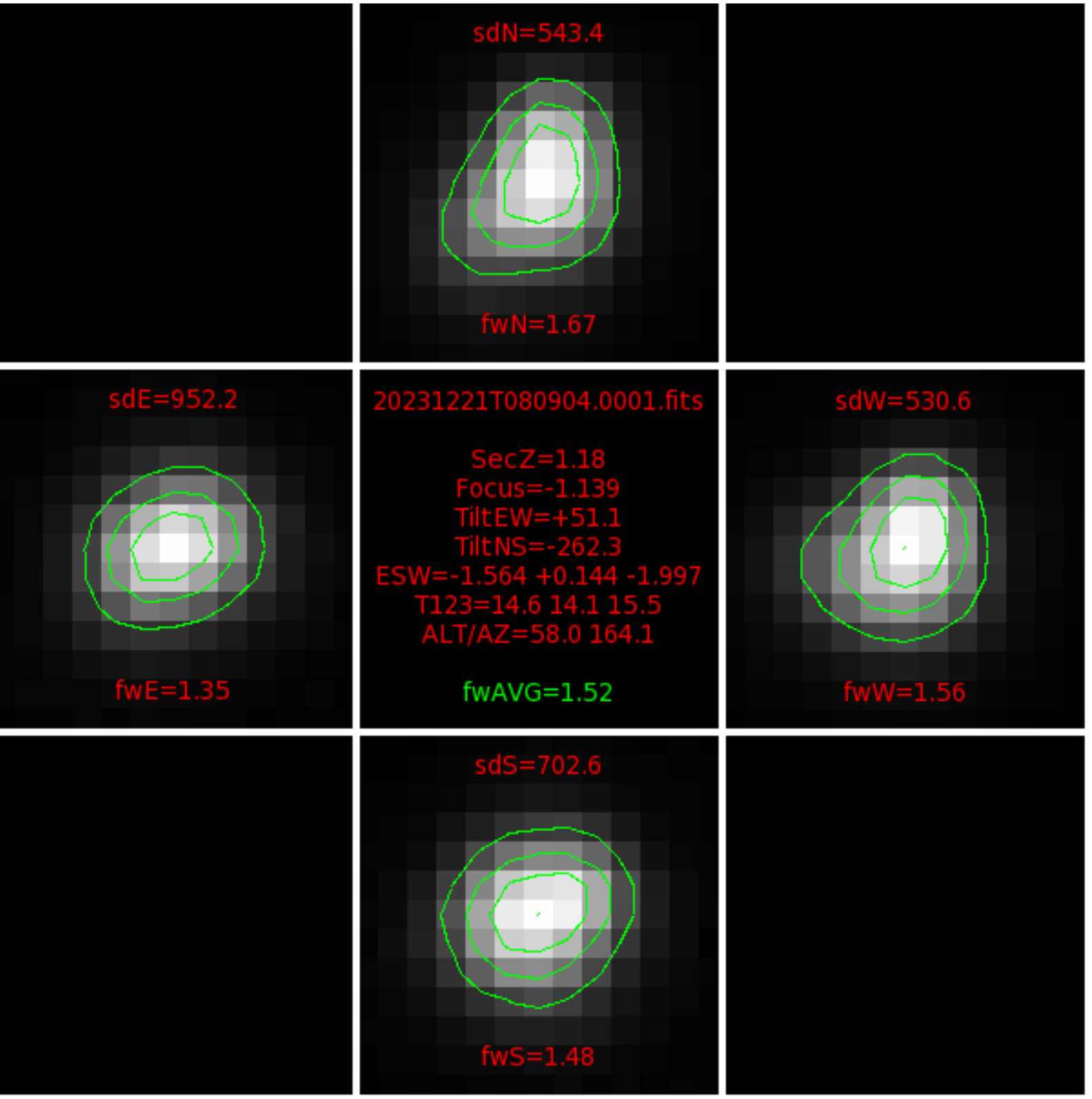
sdN=543.4
fwN=1.67
sdE=952.2
fwE=1.35
20231221T080904.0001.fits
SecZ=1.18
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=14.6 14.1 15.5
ALT/AZ=58.0 164.1
fwAVG=1.52
sdW=530.6
fwW=1.56
sdS=702.6
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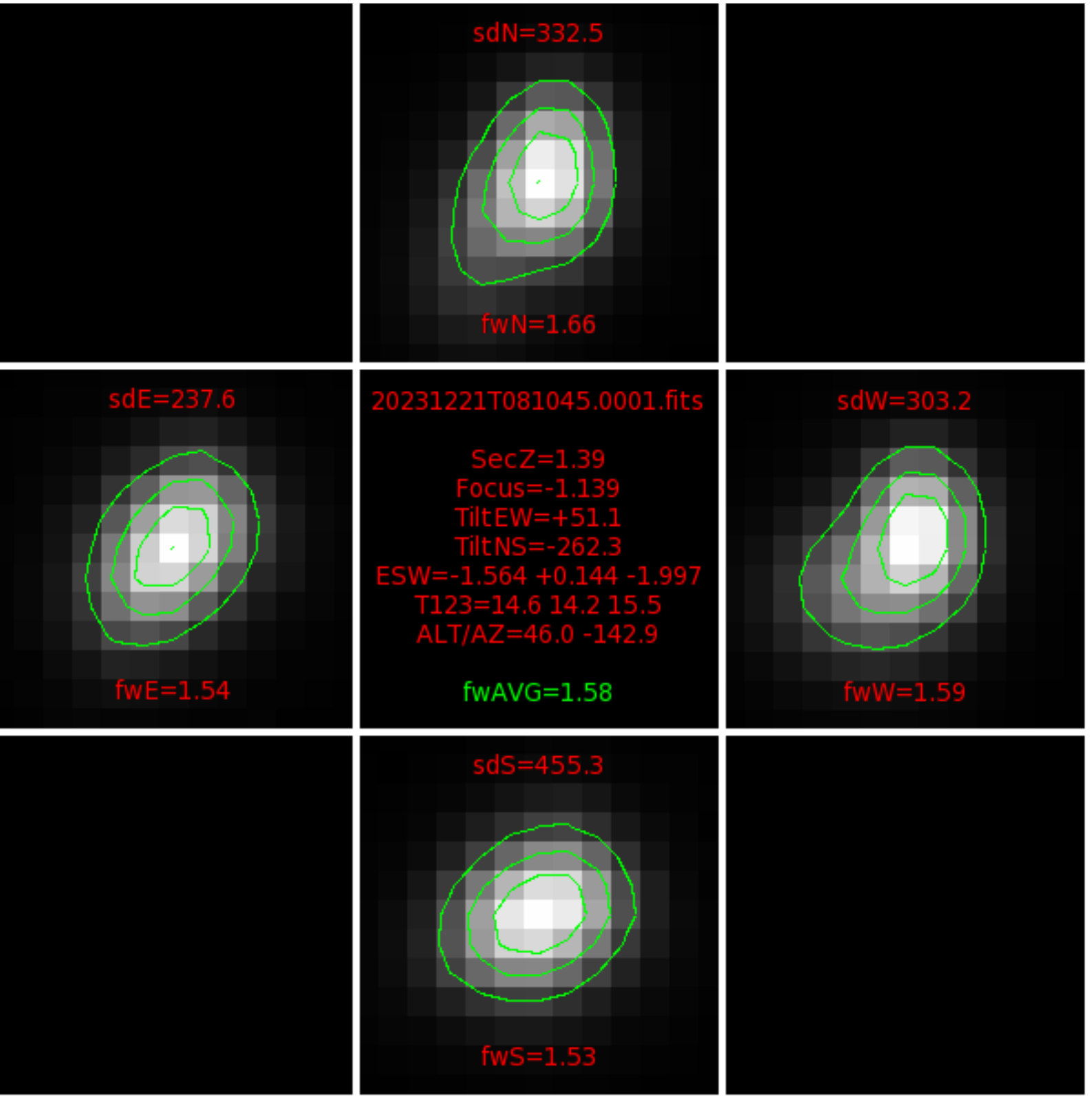
sdN=332.5
fwN=1.66
sdE=237.6
fwE=1.54
20231221T081045.0001.fits
SecZ=1.39
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=14.6 14.2 15.5
ALT/AZ=46.0 -142.9
fwAVG=1.58
sdW=303.2
fwW=1.59
sdS=455.3
fwS=1.53
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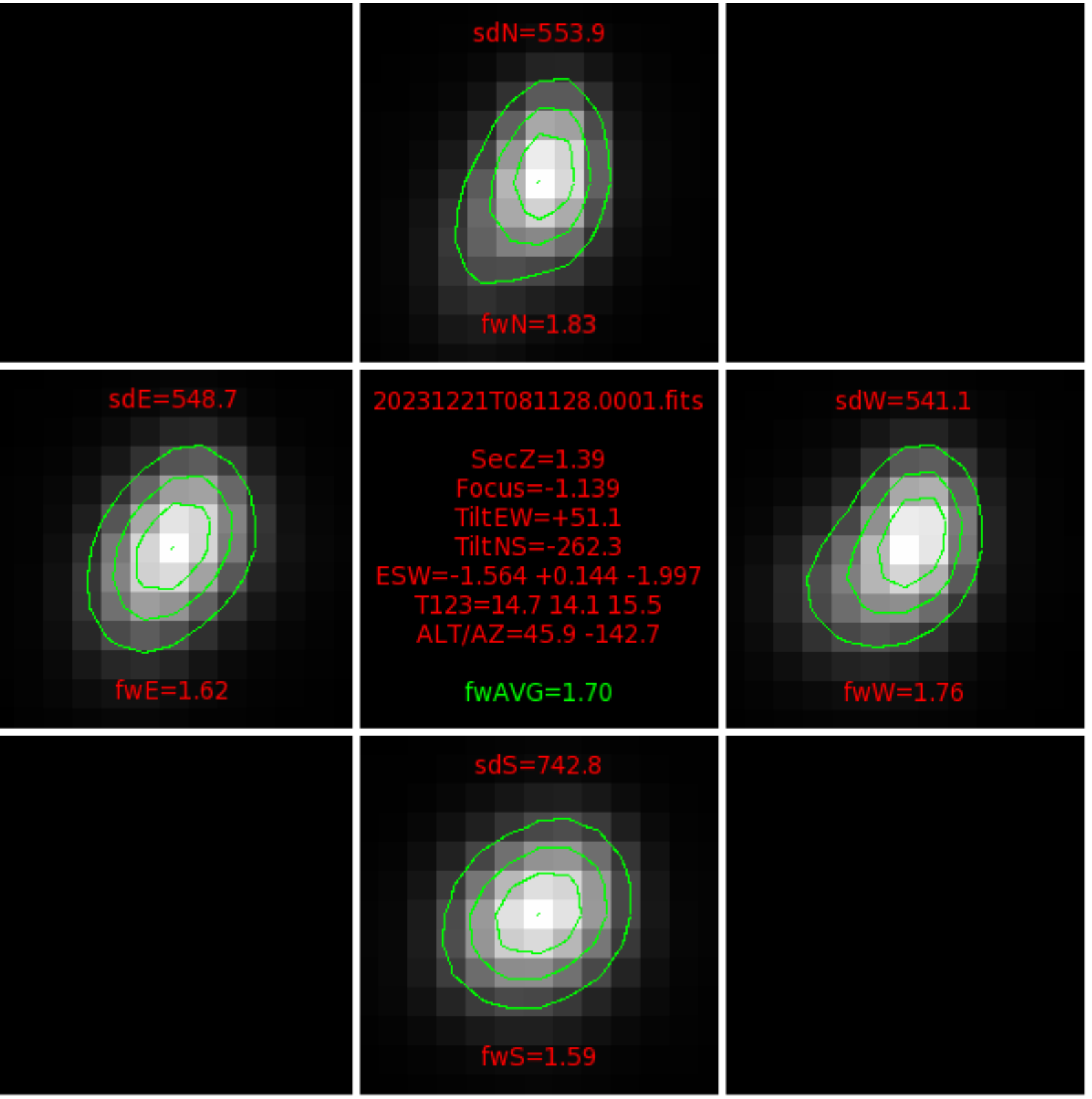
sdN=553.9
fwN=1.83
sdE=548.7
fwE=1.62
20231221T081128.0001.fits
SecZ=1.39
Focus=-1.139
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.564 +0.144 -1.997
T123=14.7 14.1 15.5
ALT/AZ=45.9 -142.7
fwAVG=1.70
sdW=541.1
fwW=1.76
sdS=742.8
fwS=1.59
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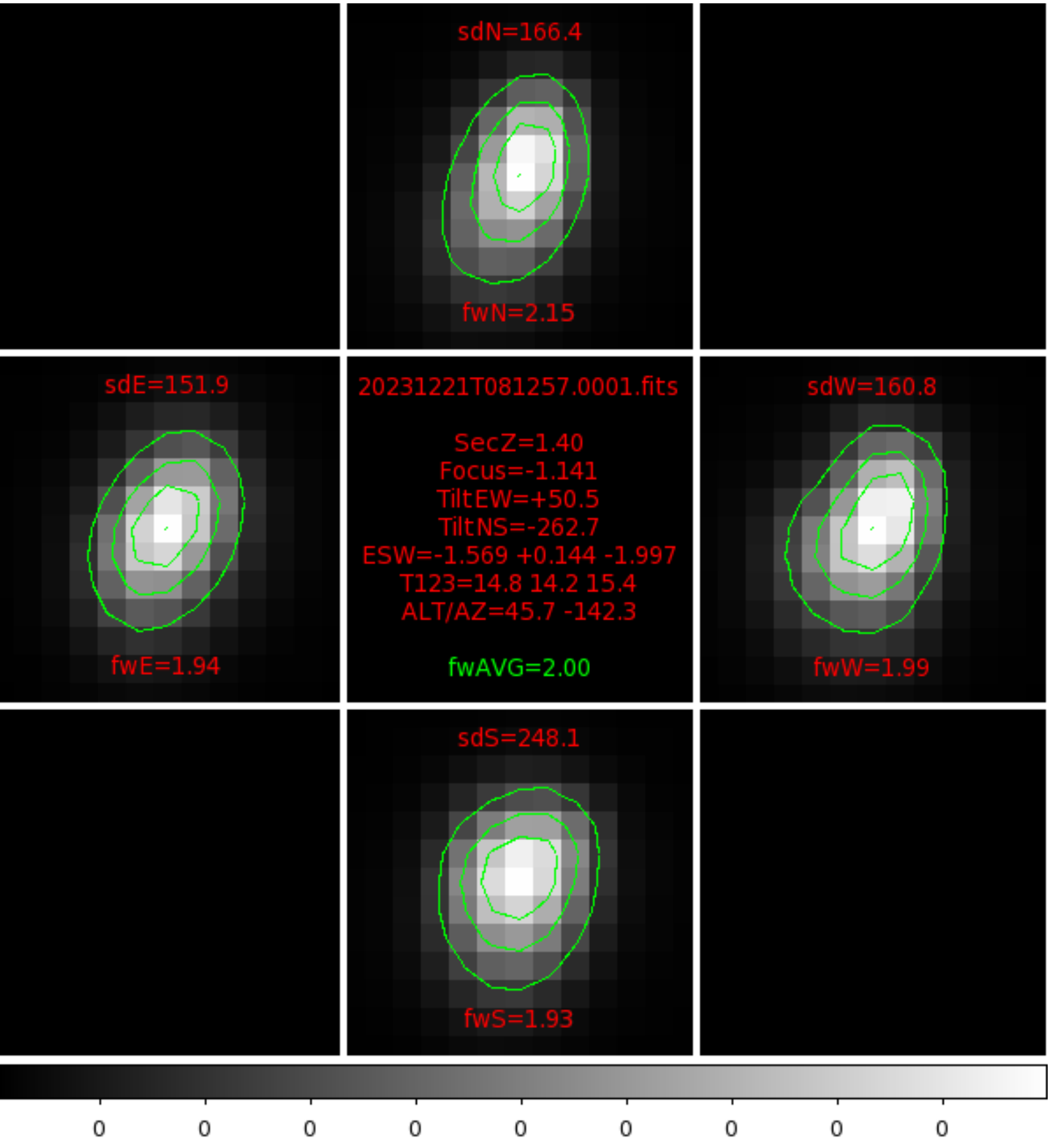
sdN=166.4
fwN=2.15
sdE=151.9
fwE=1.94
20231221T081257.0001.fits
SecZ=1.40
Focus=-1.141
TiltEW=+50.5
TiltNS=-262.7
ESW=-1.569 +0.144 -1.997
T123=14.8 14.2 15.4
ALT/AZ=45.7 -142.3
fwAVG=2.00
sdW=160.8
fwW=1.99
sdS=248.1
fwS=1.93
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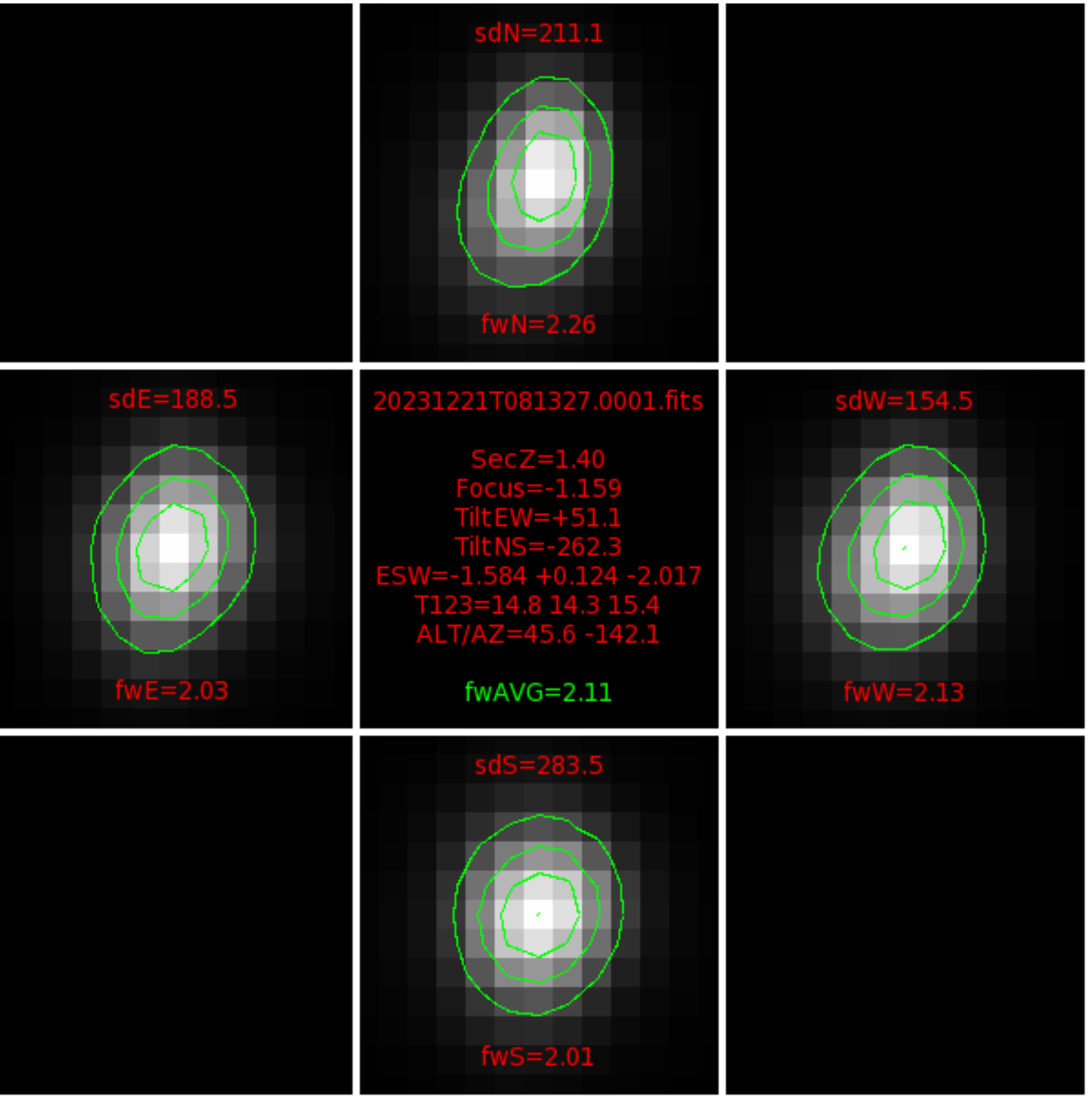
sdN=211.1
fwN=2.26
sdE=188.5
fwE=2.03
20231221T081327.0001.fits
SecZ=1.40
Focus=-1.159
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.584 +0.124 -2.017
T123=14.8 14.3 15.4
ALT/AZ=45.6 -142.1
fwAVG=2.11
sdW=154.5
fwW=2.13
sdS=283.5
fwS=2.01
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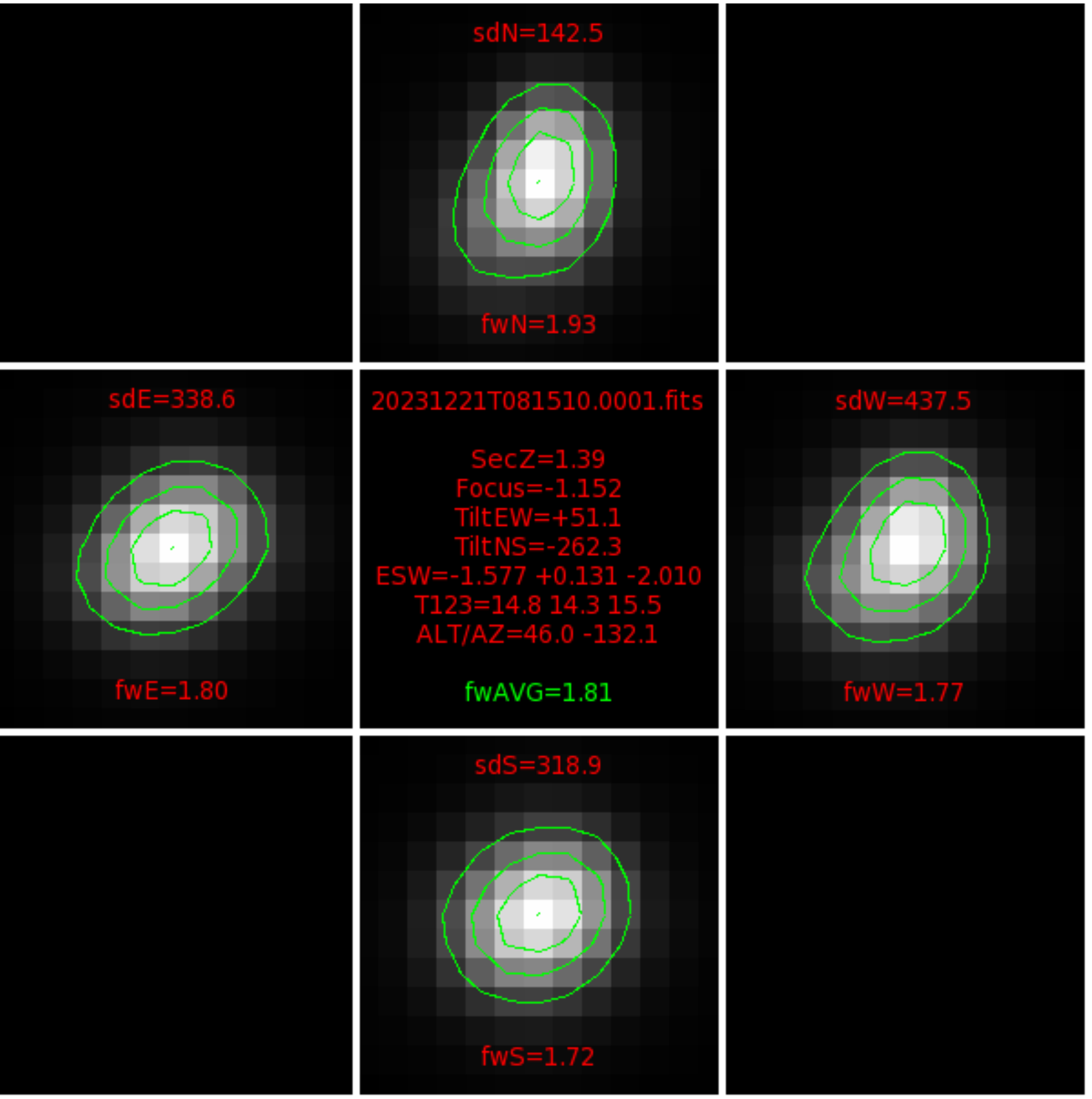
sdN=142.5
fwN=1.93
sdE=338.6
fwE=1.80
20231221T081510.0001.fits
SecZ=1.39
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.8 14.3 15.5
ALT/AZ=46.0 -132.1
fwAVG=1.81
sdW=437.5
fwW=1.77
sdS=318.9
fwS=1.72
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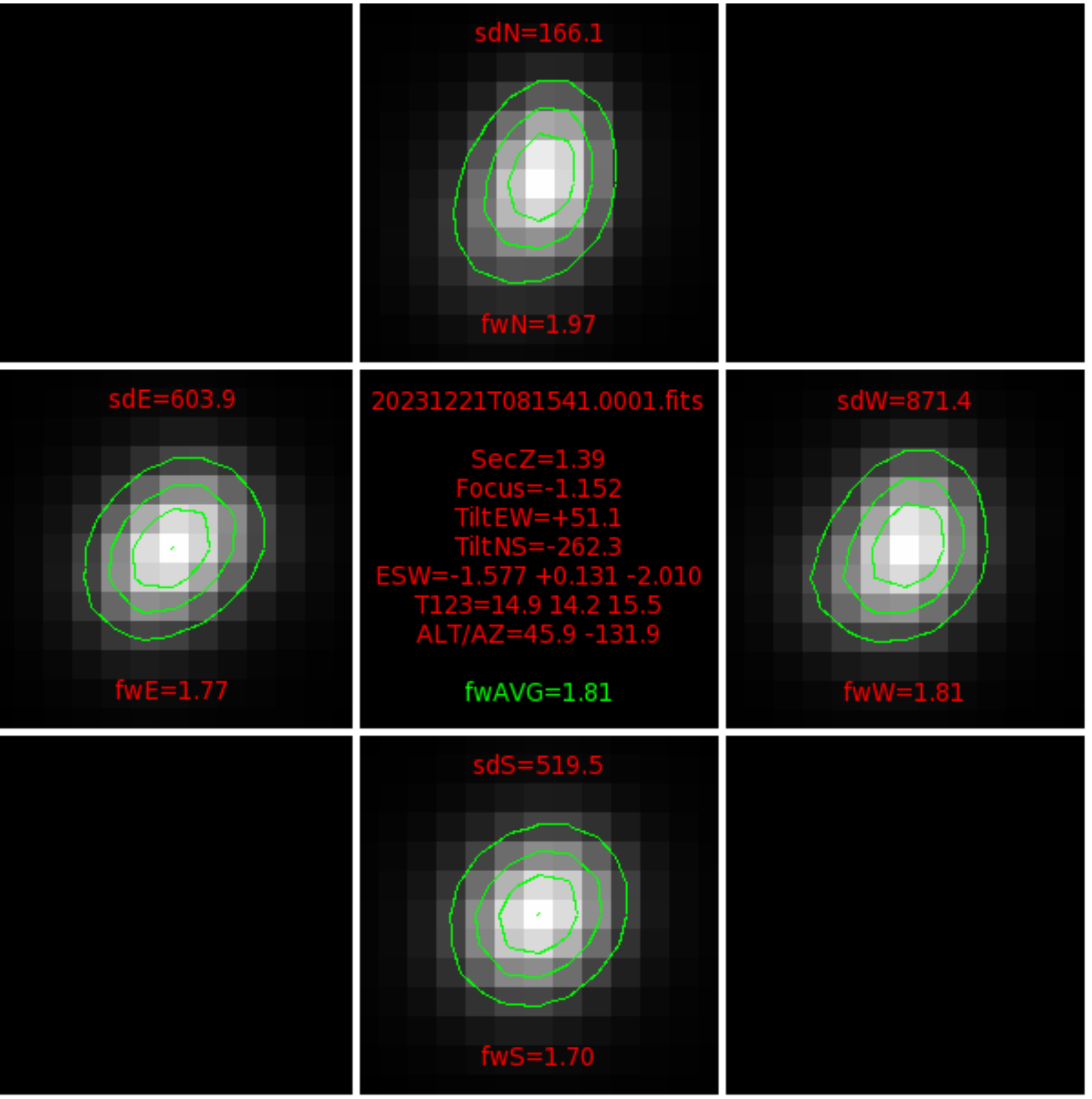
sdN=166.1
fwN=1.97
sdE=603.9
fwE=1.77
20231221T081541.0001.fits
SecZ=1.39
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.9 14.2 15.5
ALT/AZ=45.9 -131.9
fwAVG=1.81
sdW=871.4
fwW=1.81
sdS=519.5
fwS=1.70
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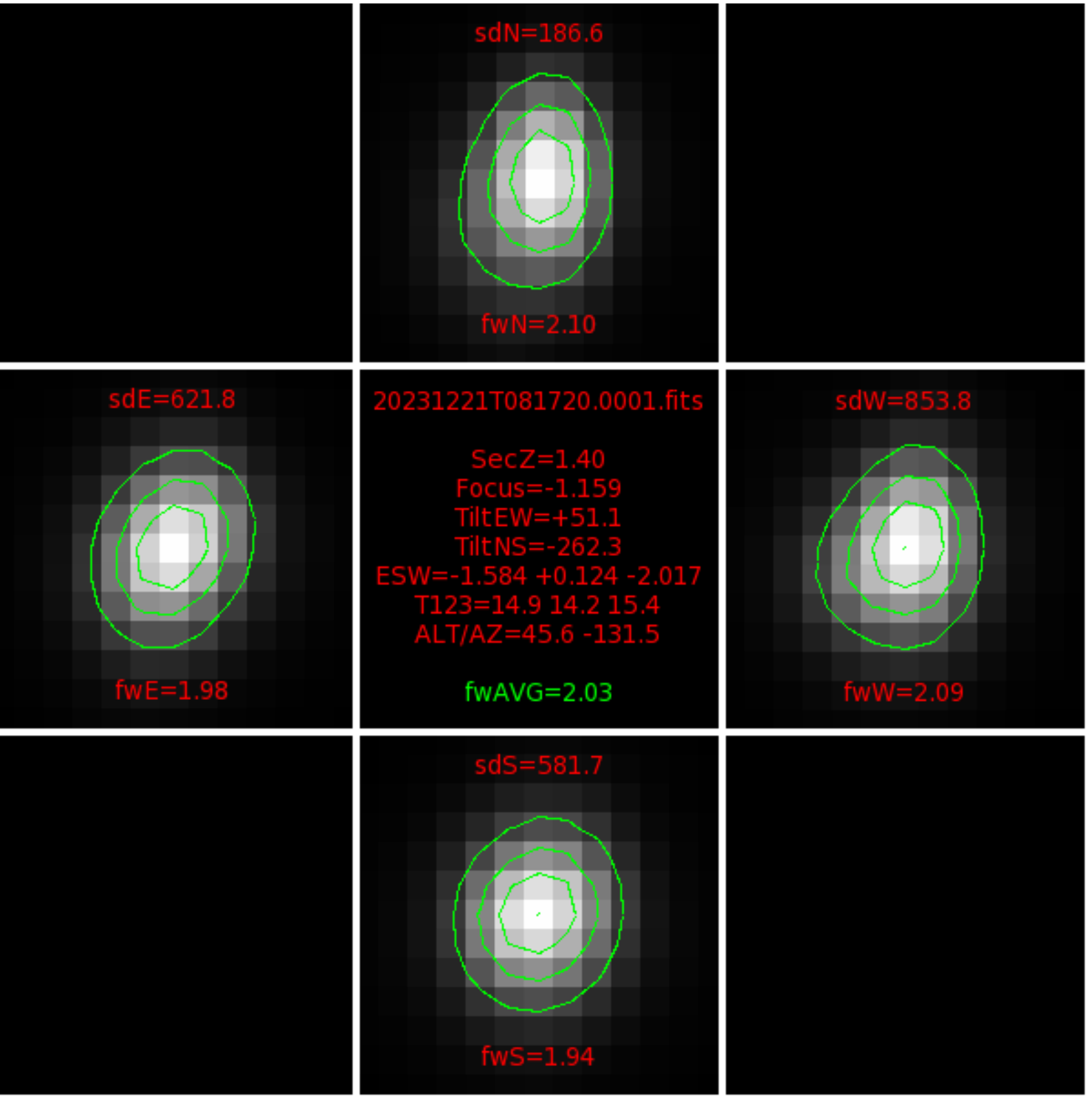
sdN=186.6
fwN=2.10
sdE=621.8
fwE=1.98
20231221T081720.0001.fits
SecZ=1.40
Focus=-1.159
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.584 +0.124 -2.017
T123=14.9 14.2 15.4
ALT/AZ=45.6 -131.5
fwAVG=2.03
sdW=853.8
fwW=2.09
sdS=581.7
fwS=1.94
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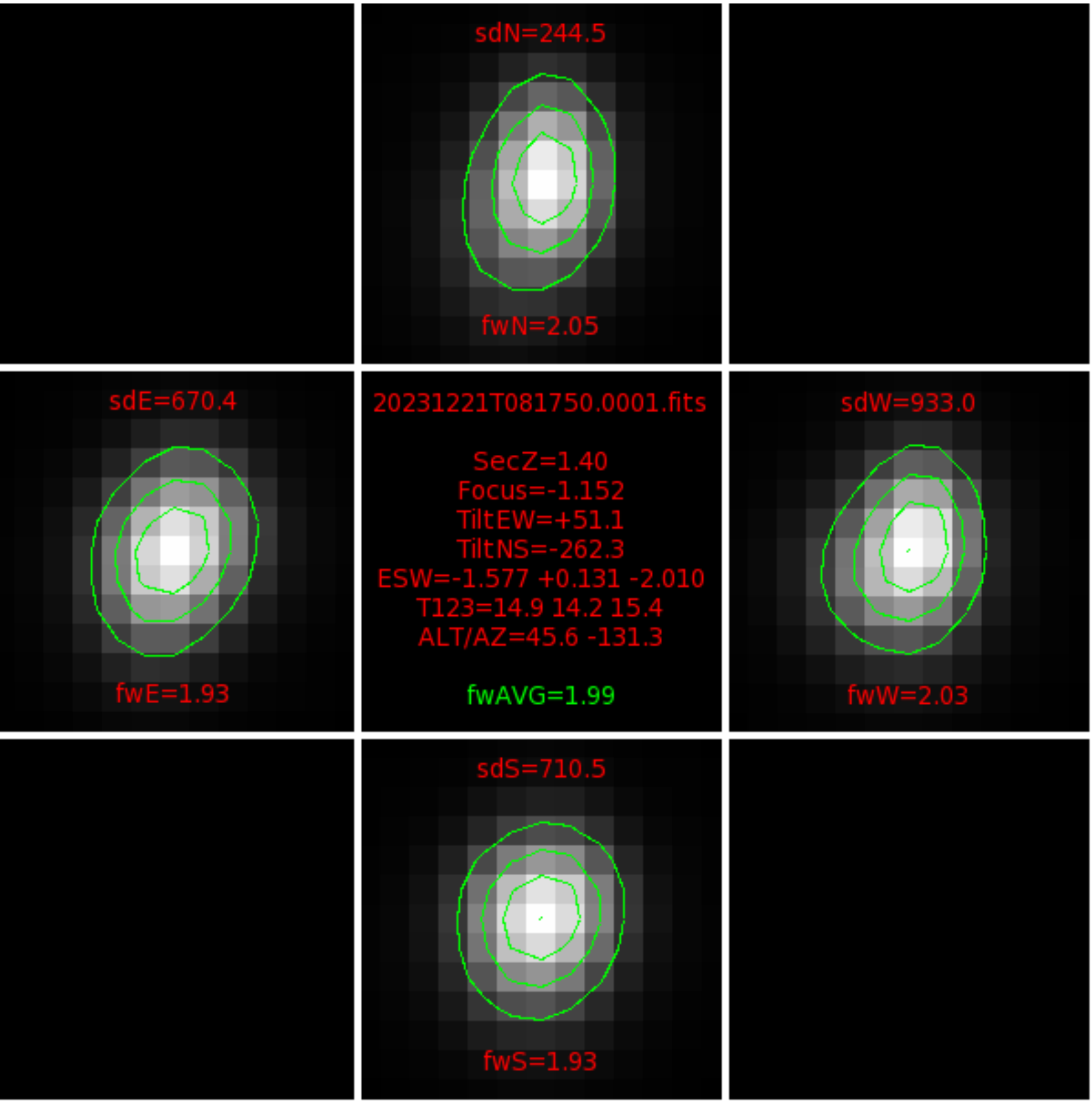
sdN=244.5
fwN=2.05
sdE=670.4
fwE=1.93
20231221T081750.0001.fits
SecZ=1.40
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.9 14.2 15.4
ALT/AZ=45.6 -131.3
fwAVG=1.99
sdW=933.0
fwW=2.03
sdS=710.5
fwS=1.93
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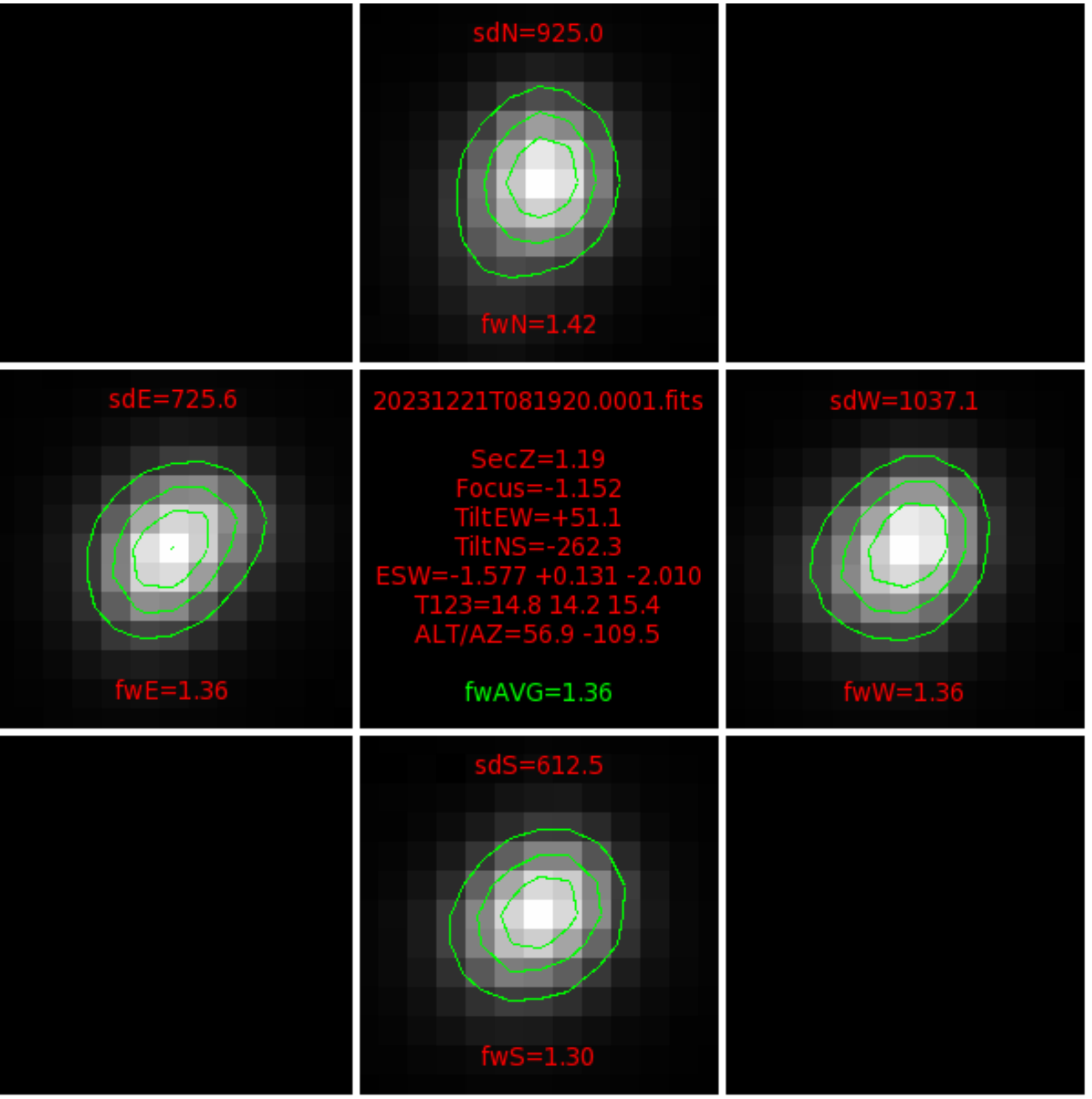
sdN=925.0
fwN=1.42
sdE=725.6
fwE=1.36
20231221T081920.0001.fits
SecZ=1.19
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.8 14.2 15.4
ALT/AZ=56.9 -109.5
fwAVG=1.36
sdW=1037.1
fwW=1.36
sdS=612.5
fwS=1.30
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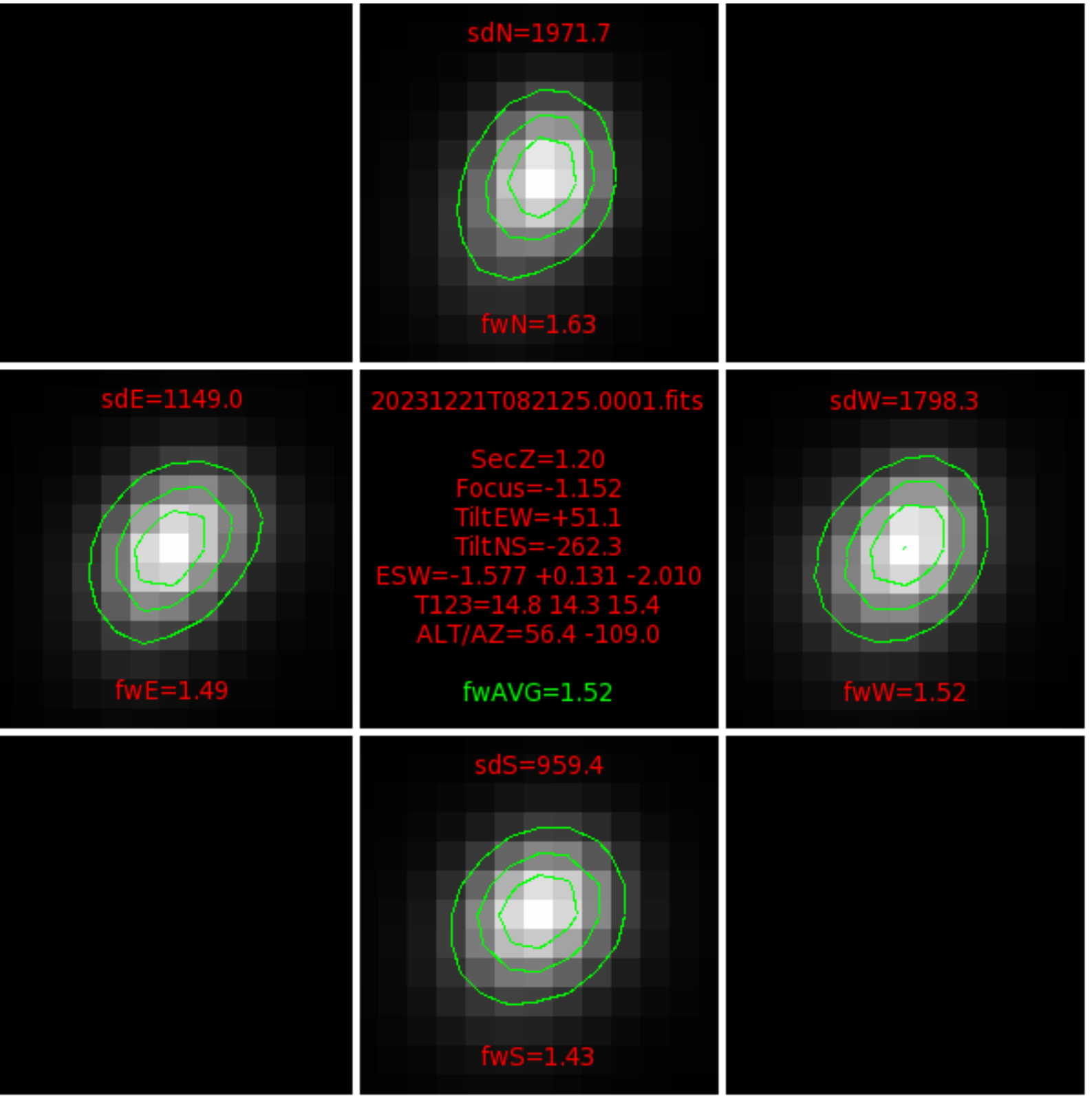
sdN=1971.7
fwN=1.63
sdE=1149.0
fwE=1.49
20231221T082125.0001.fits
SecZ=1.20
Focus=-1.152
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.577 +0.131 -2.010
T123=14.8 14.3 15.4
ALT/AZ=56.4 -109.0
fwAVG=1.52
sdW=1798.3
fwW=1.52
sdS=959.4
fwS=1.43
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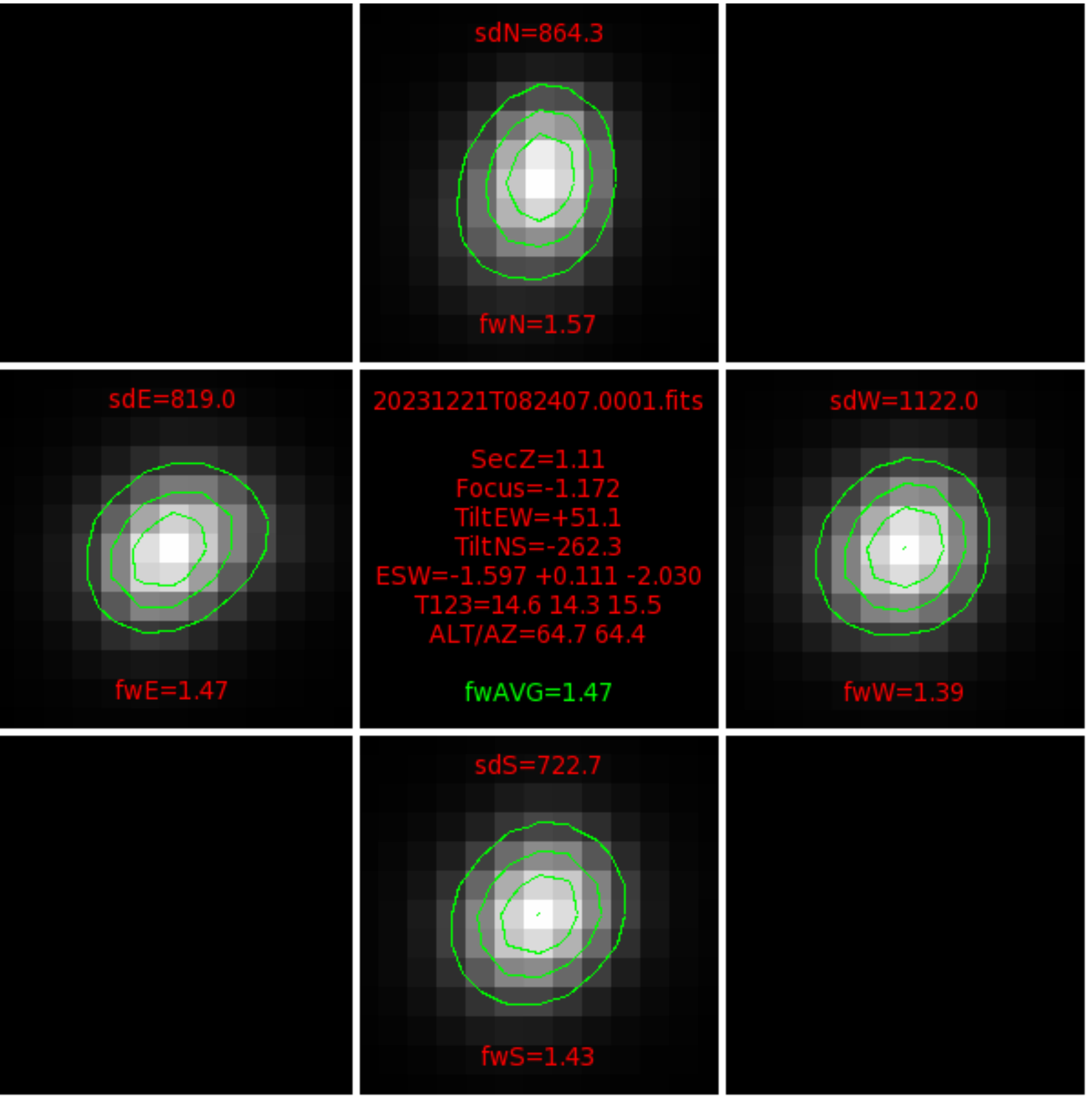
sdN=864.3
fwN=1.57
sdE=819.0
fwE=1.47
20231221T082407.0001.fits
SecZ=1.11
Focus=-1.172
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.597 +0.111 -2.030
T123=14.6 14.3 15.5
ALT/AZ=64.7 64.4
fwAVG=1.47
sdW=1122.0
fwW=1.39
sdS=722.7
fwS=1.43
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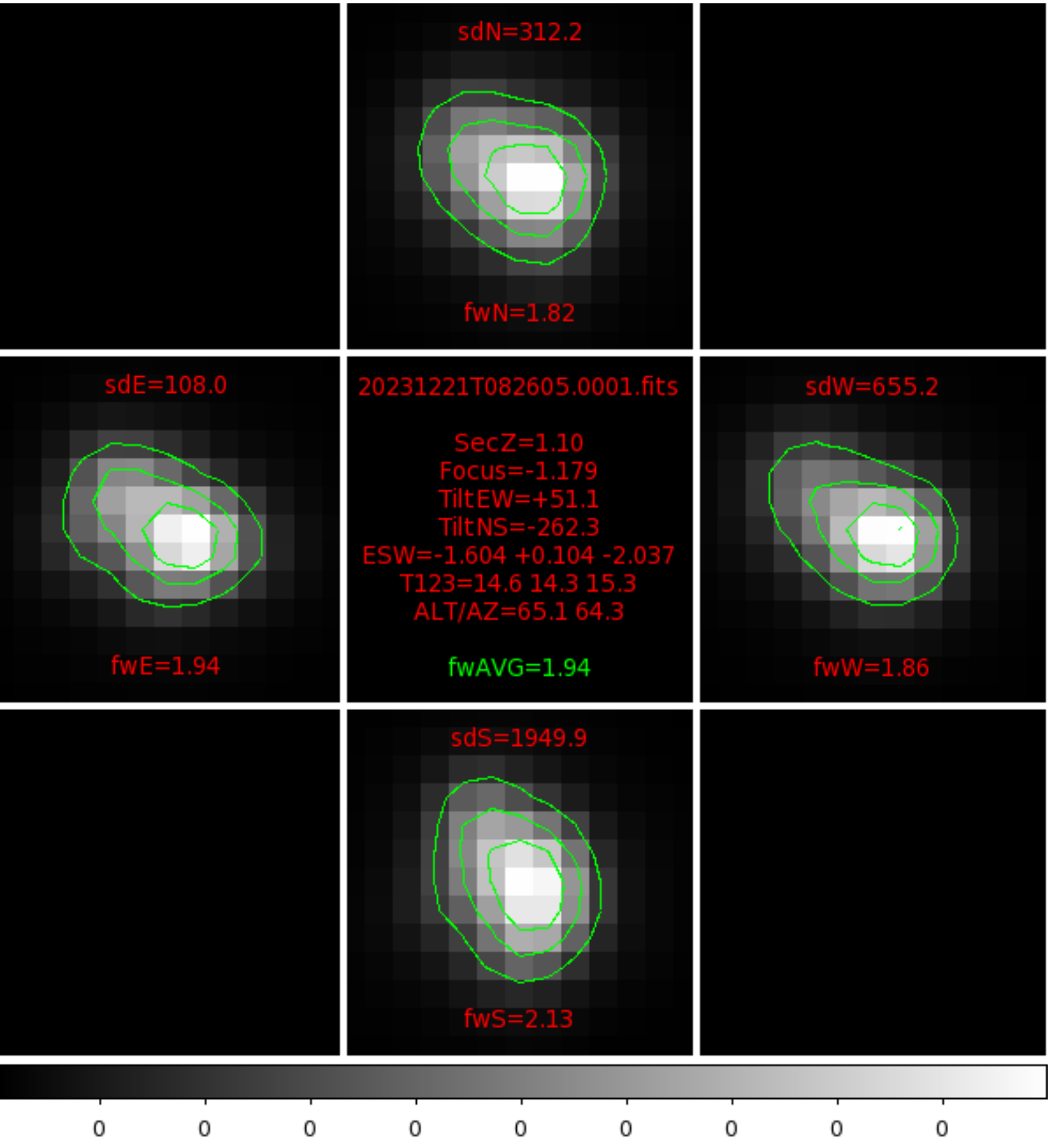
sdN=312.2
fwN=1.82
sdE=108.0
fwE=1.94
20231221T082605.0001.fits
SecZ=1.10
Focus=-1.179
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.604 +0.104 -2.037
T123=14.6 14.3 15.3
ALT/AZ=65.1 64.3
fwAVG=1.94
sdW=655.2
fwW=1.86
sdS=1949.9
fwS=2.13
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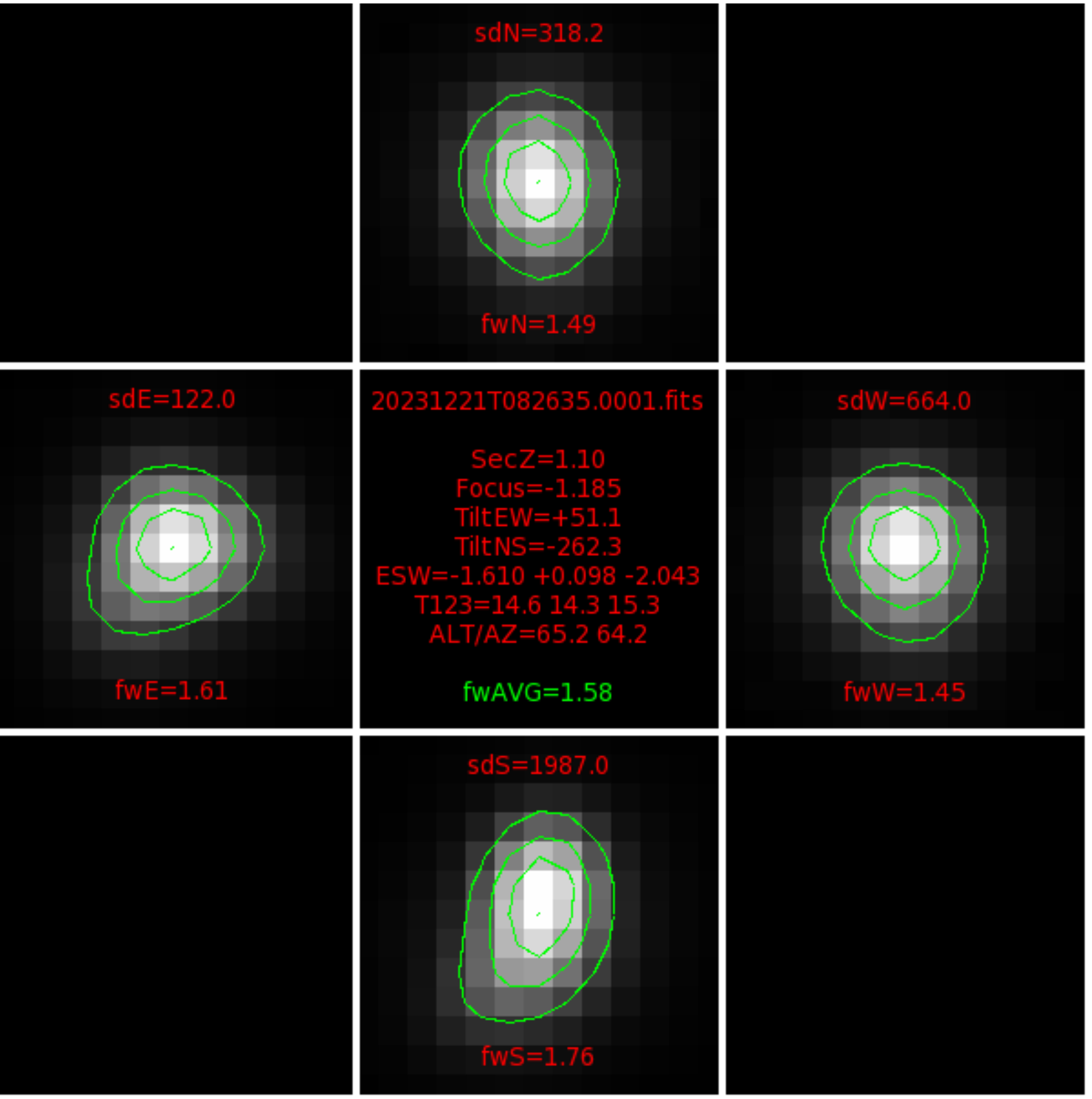
sdN=318.2
fwN=1.49
sdE=122.0
fwE=1.61
20231221T082635.0001.fits
SecZ=1.10
Focus=-1.185
TiltEW=+51.1
TiltNS=-262.3
ESW=-1.610 +0.098 -2.043
T123=14.6 14.3 15.3
ALT/AZ=65.2 64.2
fwAVG=1.58
sdW=664.0
fwW=1.45
sdS=1987.0
fwS=1.76
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