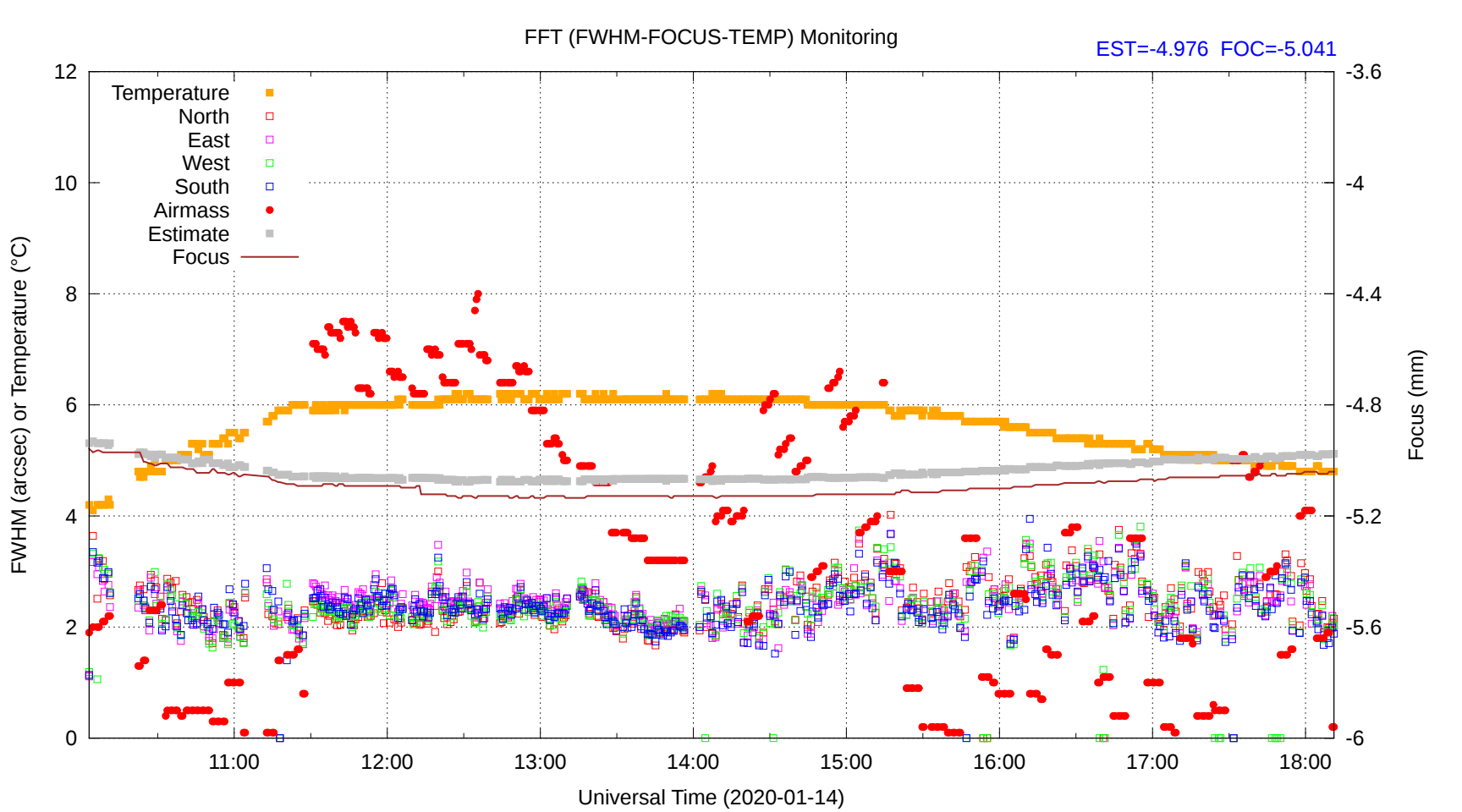
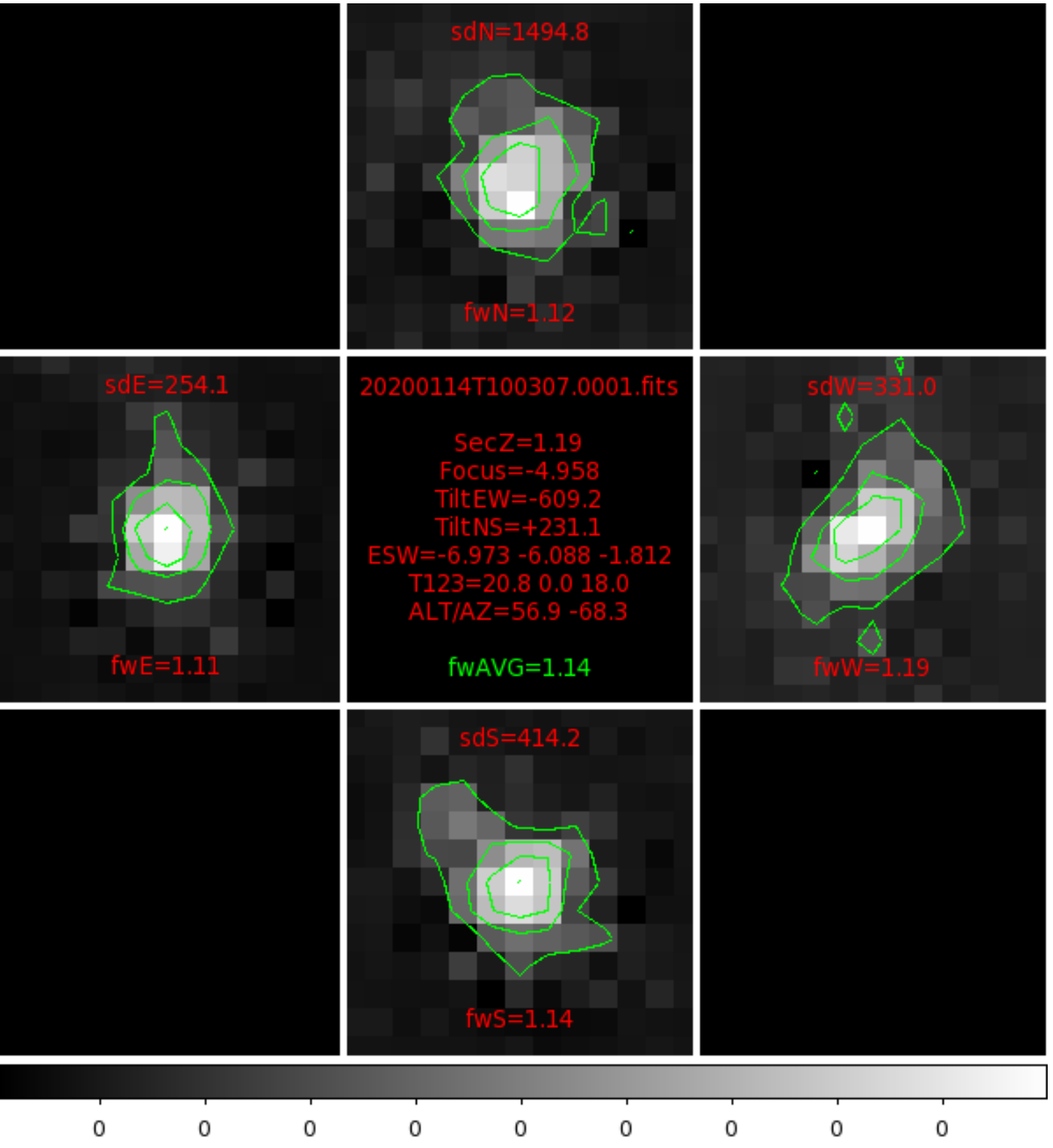

FFT (FWHM-FOCUS-TEMP) Monitoring
EST=-4.976 FOC=-5.041
Temperature
North
East
West
South
Airmass
Estimate
Focus
FWHM (arcsec) or Temperature (°C)
Focus (mm)
Universal Time (2020-01-14)
0
2
4
6
8
10
12
-6
-5.6
-5.2
-4.8
-4.4
-4
-3.6
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00


sdN=1494.8
fwN=1.12
sdE=254.1
fwE=1.11
20200114T100307.0001.fits
SecZ=1.19
Focus=-4.958
TiltEW=-609.2
TiltNS=+231.1
ESW=-6.973 -6.088 -1.812
T123=20.8 0.0 18.0
ALT/AZ=56.9 -68.3
fwAVG=1.14
sdW=331.0
fwW=1.19
sdS=414.2
fwS=1.14
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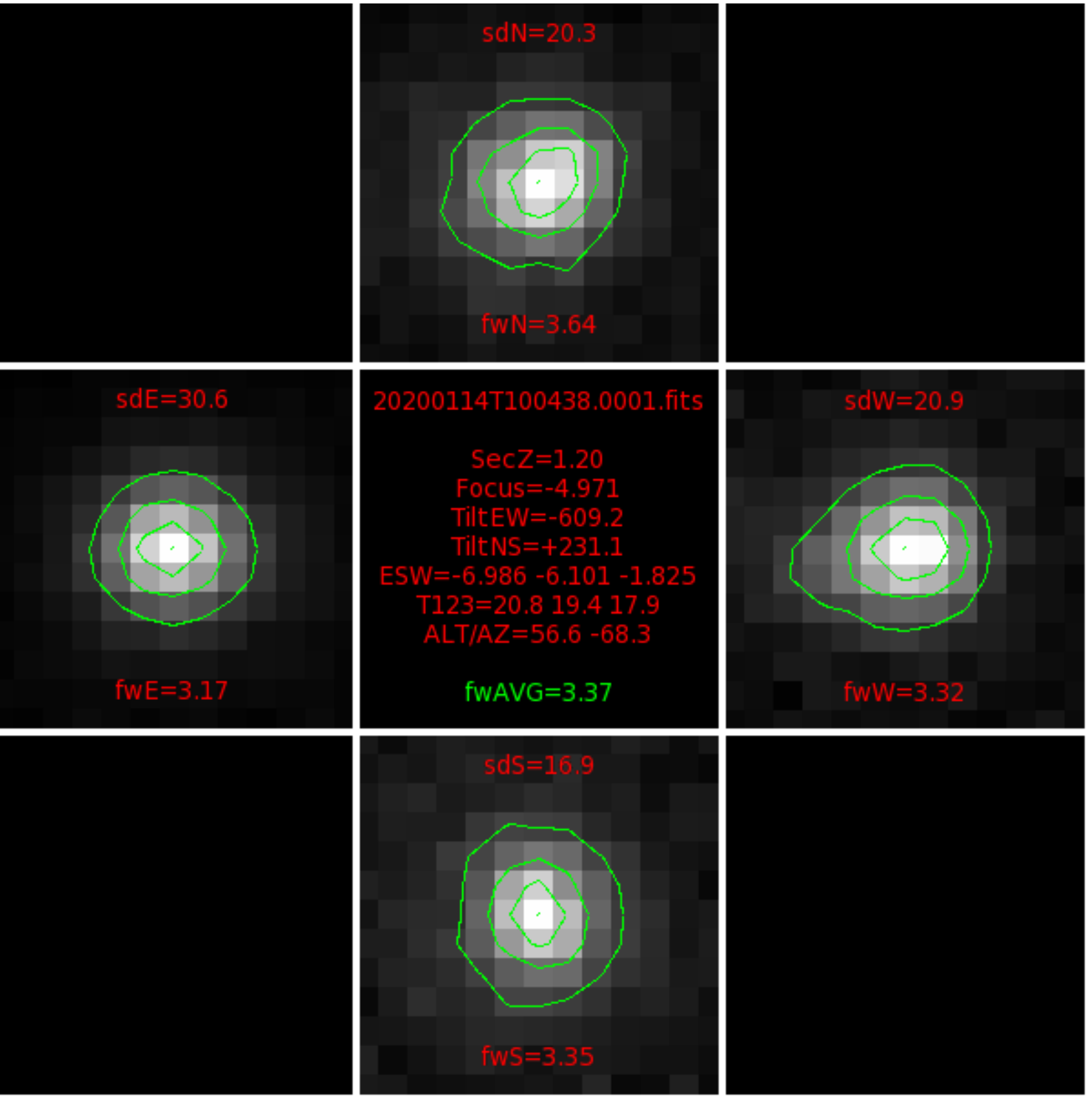
sdN=20.3
fwN=3.64
sdE=30.6
fwE=3.17
20200114T100438.0001.fits
SecZ=1.20
Focus=-4.971
TiltEW=-609.2
TiltNS=+231.1
ESW=-6.986 -6.101 -1.825
T123=20.8 19.4 17.9
ALT/AZ=56.6 -68.3
fwAVG=3.37
sdW=20.9
fwW=3.32
sdS=16.9
fwS=3.35
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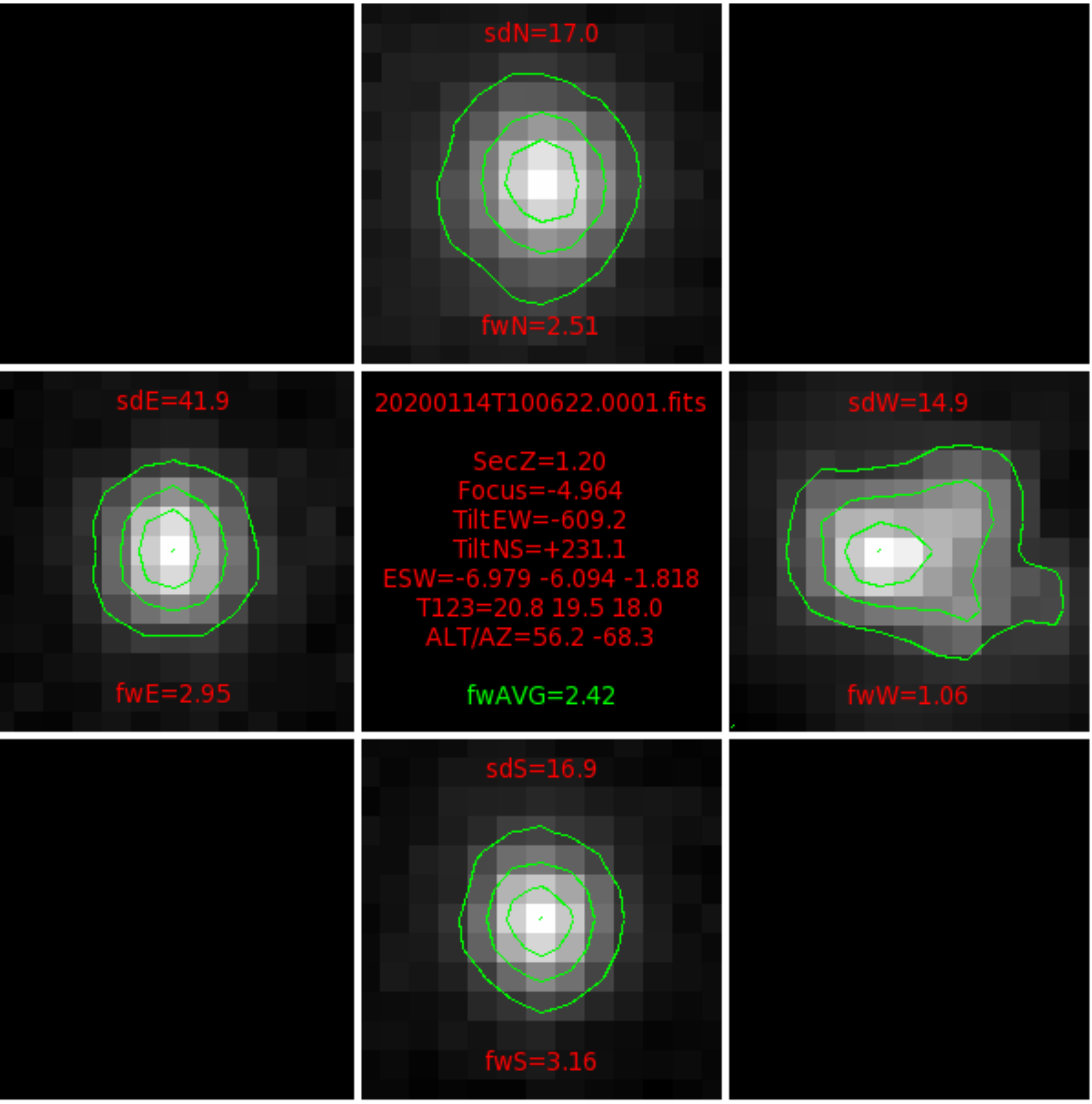
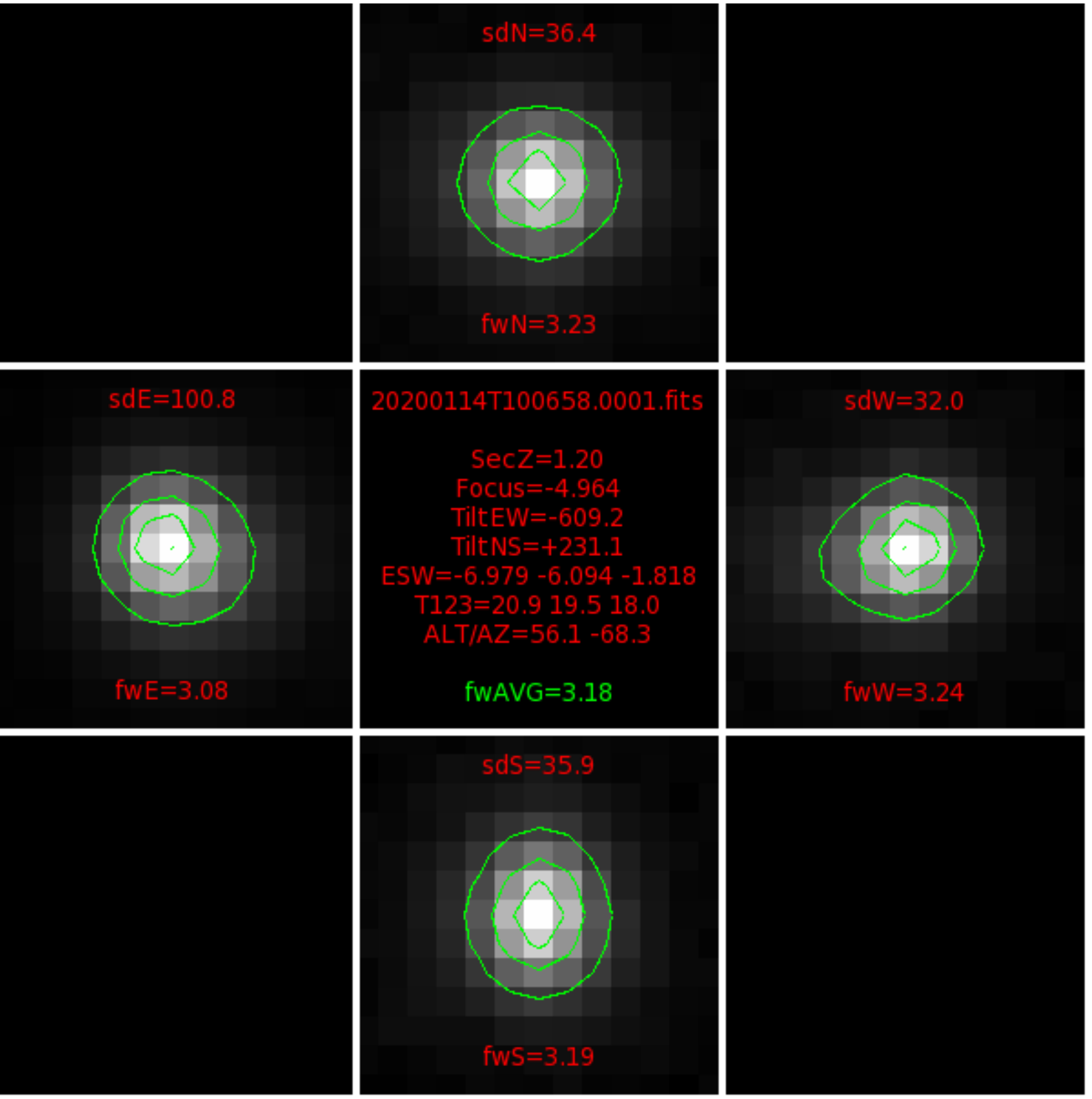

sdN=17.0
fwN=2.51
sdE=41.9
fwE=2.95
20200114T100622.0001.fits
SecZ=1.20
Focus=-4.964
TiltEW=-609.2
TiltNS=+231.1
ESW=-6.979 -6.094 -1.818
T123=20.8 19.5 18.0
ALT/AZ=56.2 -68.3
fwAVG=2.42
sdW=14.9
fwW=1.06
sdS=16.9
fwS=3.16
0 0 0 0 0 0 0 0 0


sdN=36.4
fwN=3.23
sdE=100.8
fwE=3.08
20200114T100658.0001.fits
SecZ=1.20
Focus=-4.964
TiltEW=-609.2
TiltNS=+231.1
ESW=-6.979 -6.094 -1.818
T123=20.9 19.5 18.0
ALT/AZ=56.1 -68.3
fwAVG=3.18
sdW=32.0
fwW=3.24
sdS=35.9
fwS=3.19
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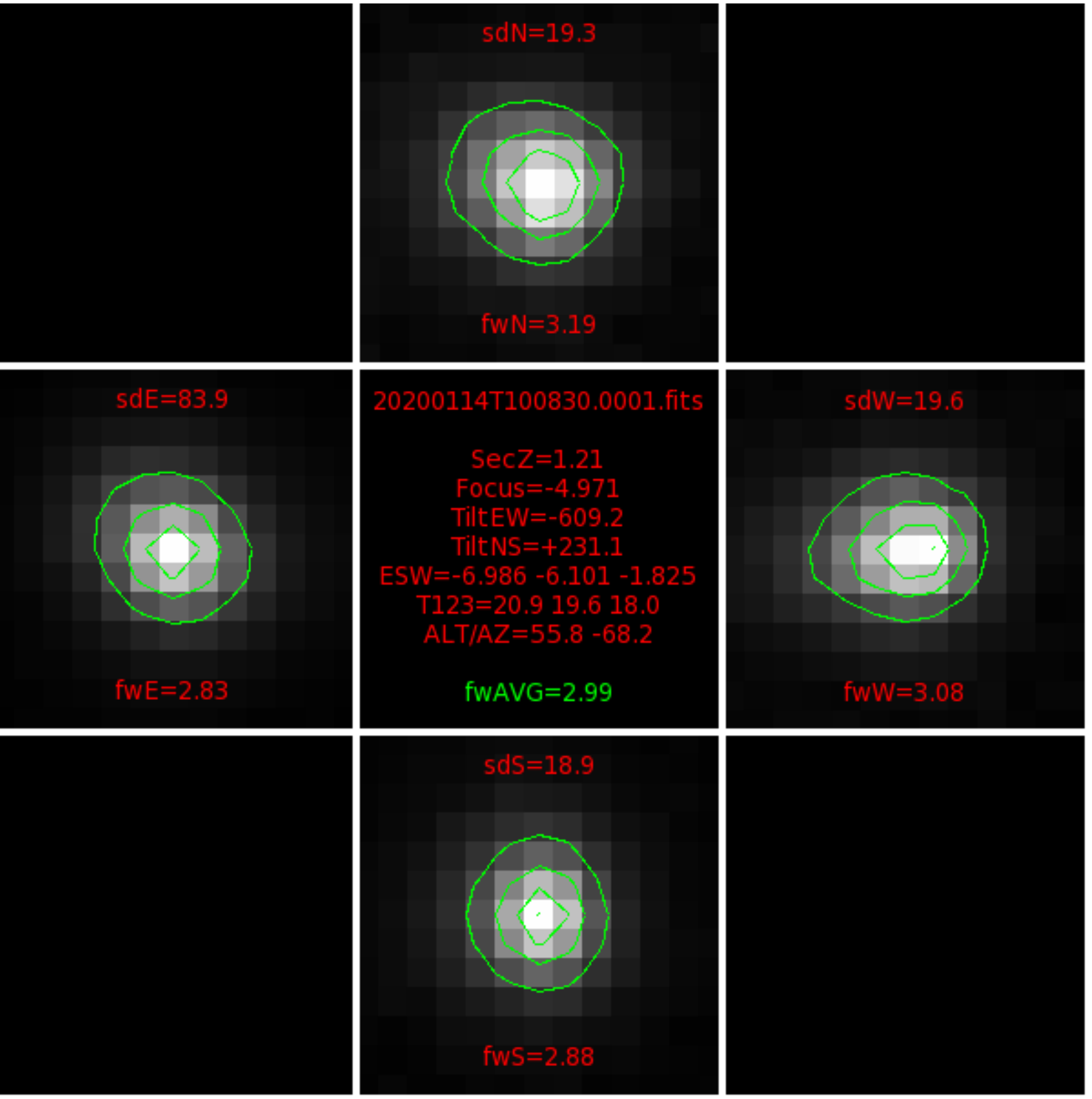
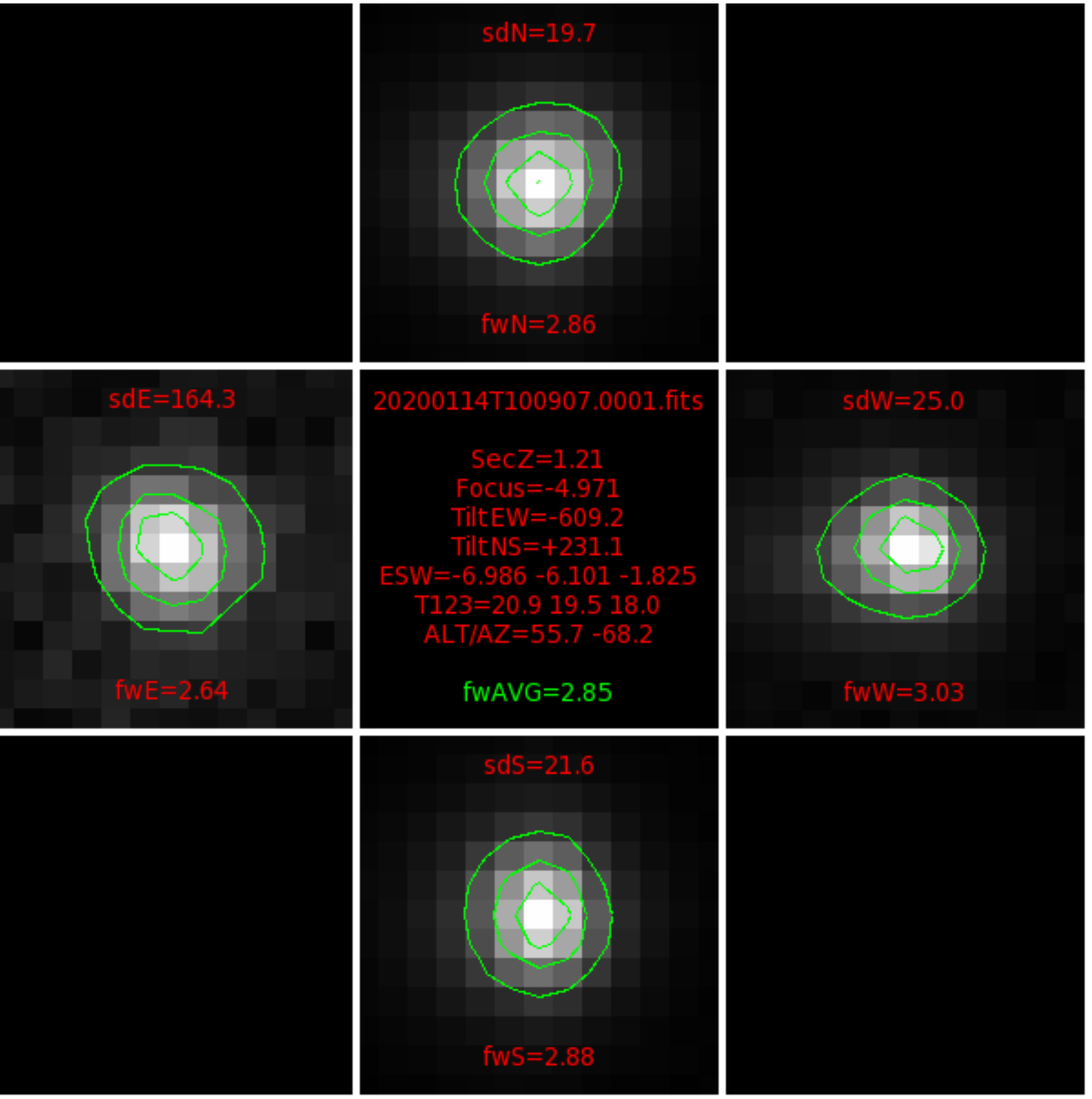

sdN=19.3
fwN=3.19
sdE=83.9
fwE=2.83
20200114T100830.0001.fits
SecZ=1.21
Focus=-4.971
TiltEW=-609.2
TiltNS=+231.1
ESW=-6.986 -6.101 -1.825
T123=20.9 19.6 18.0
ALT/AZ=55.8 -68.2
fwAVG=2.99
sdW=19.6
fwW=3.08
sdS=18.9
fwS=2.88
0 0 0 0 0 0 0 0 0


sdN=19.7
fwN=2.86
sdE=164.3
fwE=2.64
20200114T100907.0001.fits
SecZ=1.21
Focus=-4.971
TiltEW=-609.2
TiltNS=+231.1
ESW=-6.986 -6.101 -1.825
T123=20.9 19.5 18.0
ALT/AZ=55.7 -68.2
fwAVG=2.85
sdW=25.0
fwW=3.03
sdS=21.6
fwS=2.88
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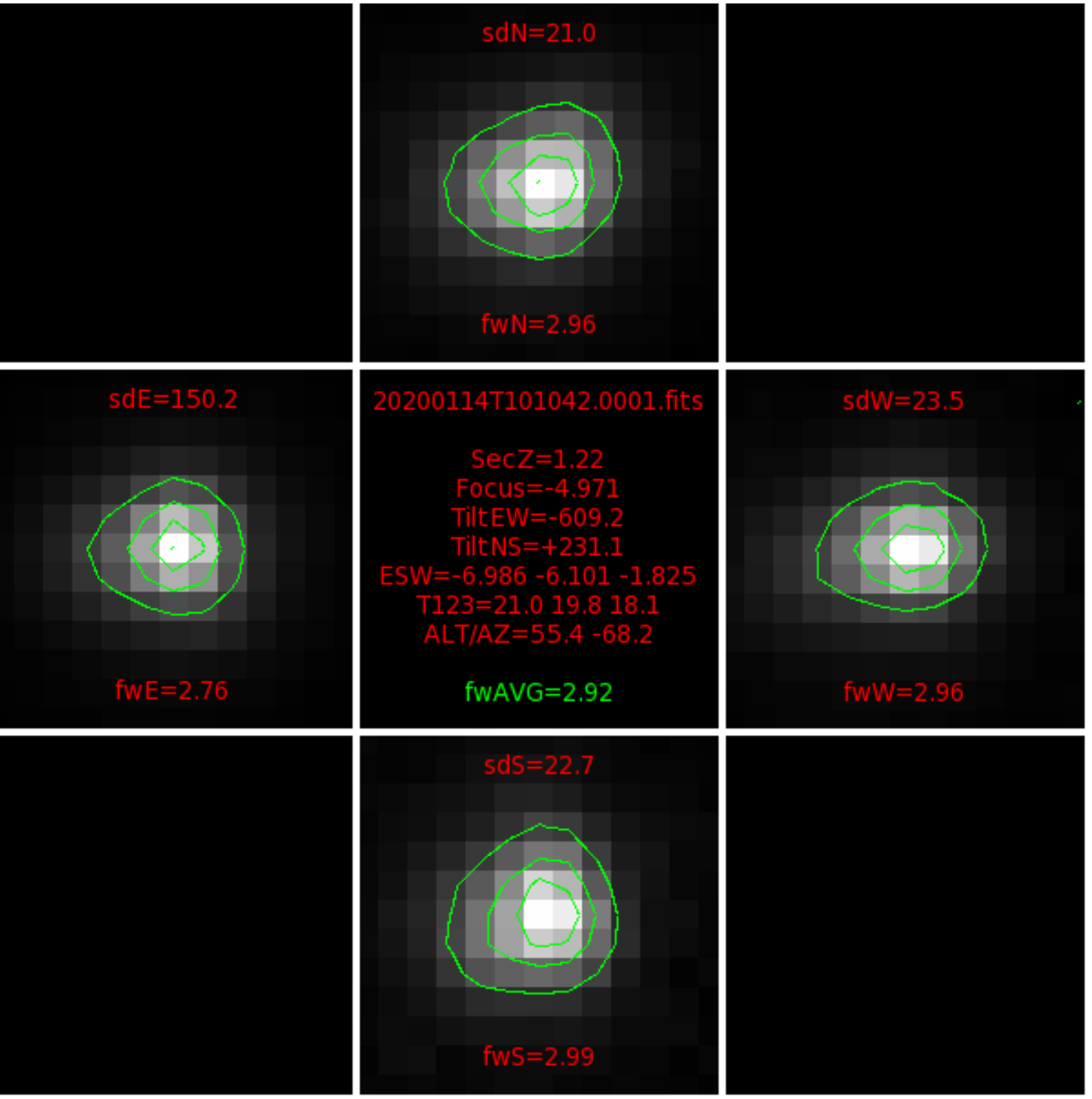
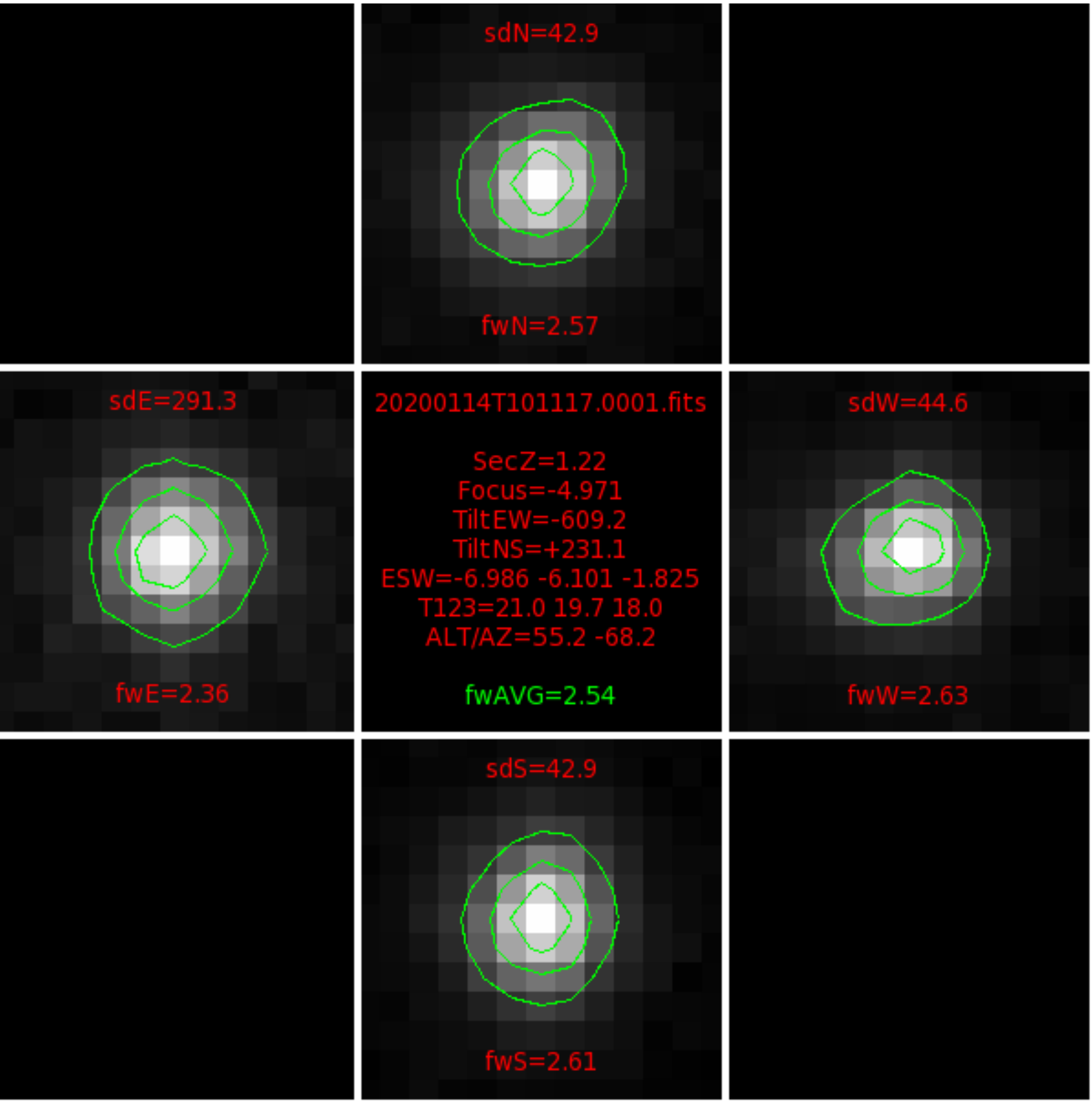

sdN=21.0
fwN=2.96
sdE=150.2
fwE=2.76
20200114T101042.0001.fits
SecZ=1.22
Focus=-4.971
TiltEW=-609.2
TiltNS=+231.1
ESW=-6.986 -6.101 -1.825
T123=21.0 19.8 18.1
ALT/AZ=55.4 -68.2
fwAVG=2.92
sdW=23.5
fwW=2.96
sdS=22.7
fwS=2.99
0 0 0 0 0 0 0 0 0


sdN=42.9
fwN=2.57
sdE=291.3
fwE=2.36
20200114T101117.0001.fits
SecZ=1.22
Focus=-4.971
TiltEW=-609.2
TiltNS=+231.1
ESW=-6.986 -6.101 -1.825
T123=21.0 19.7 18.0
ALT/AZ=55.2 -68.2
fwAVG=2.54
sdW=44.6
fwW=2.63
sdS=42.9
fwS=2.61
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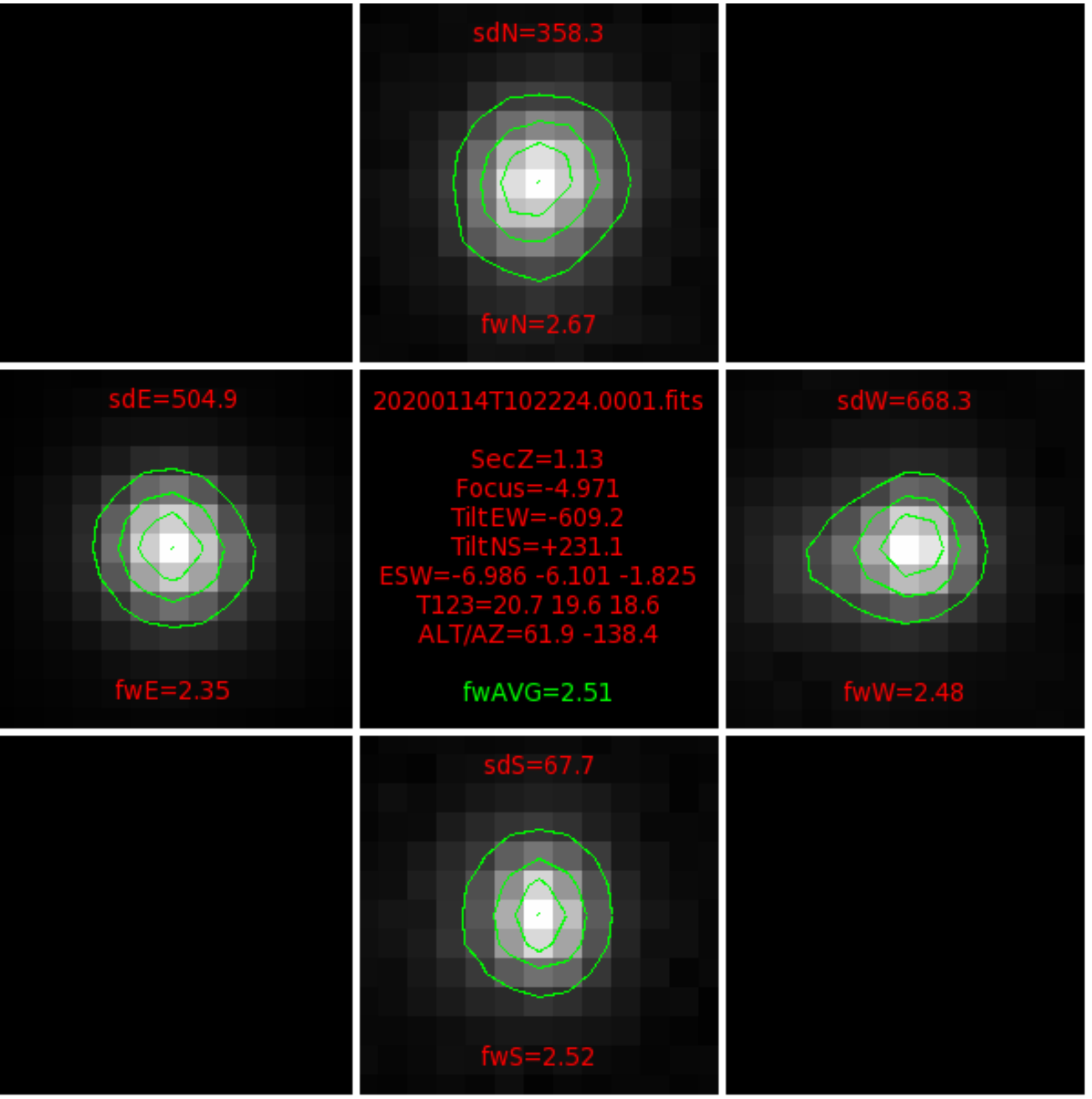
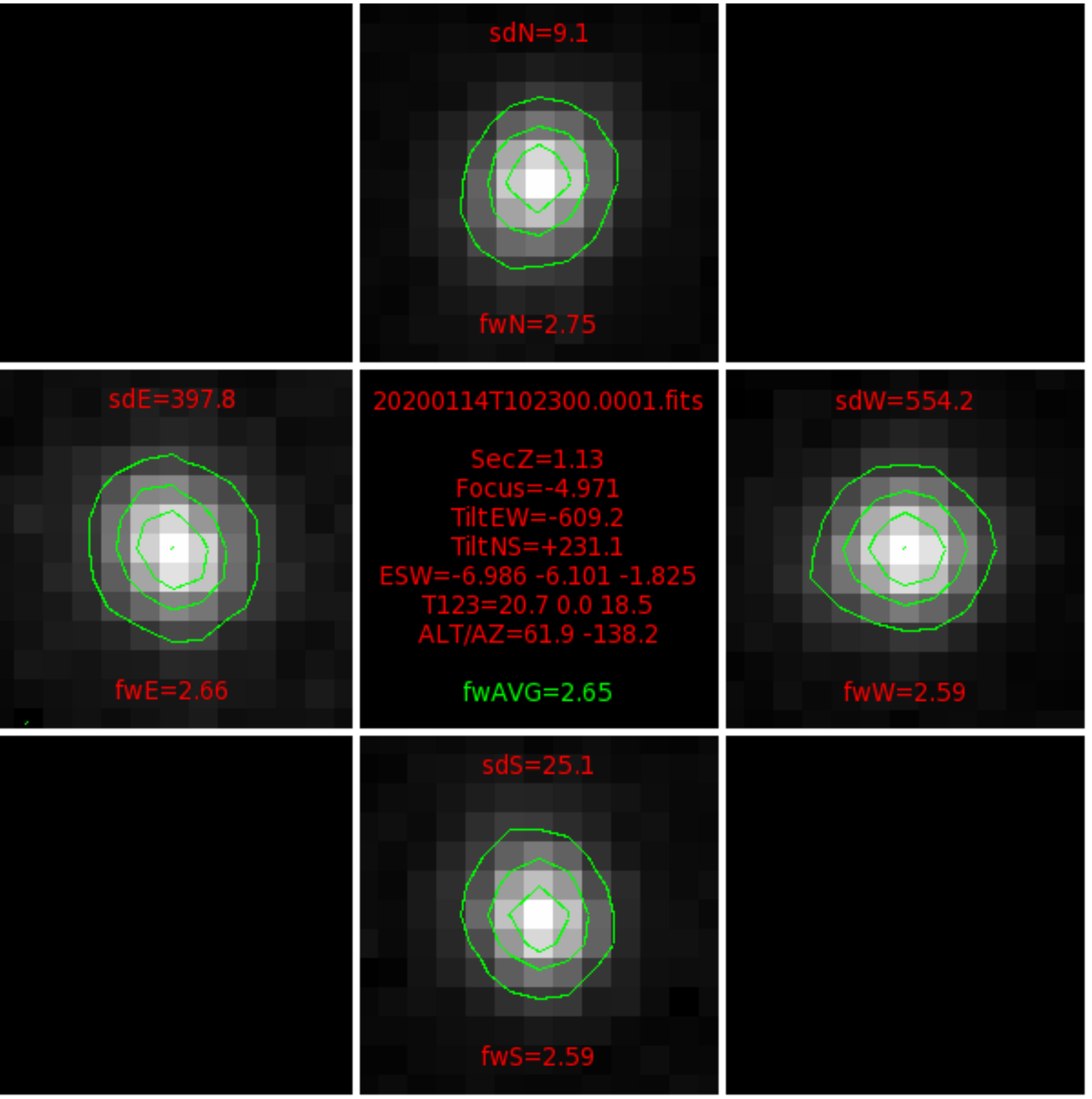
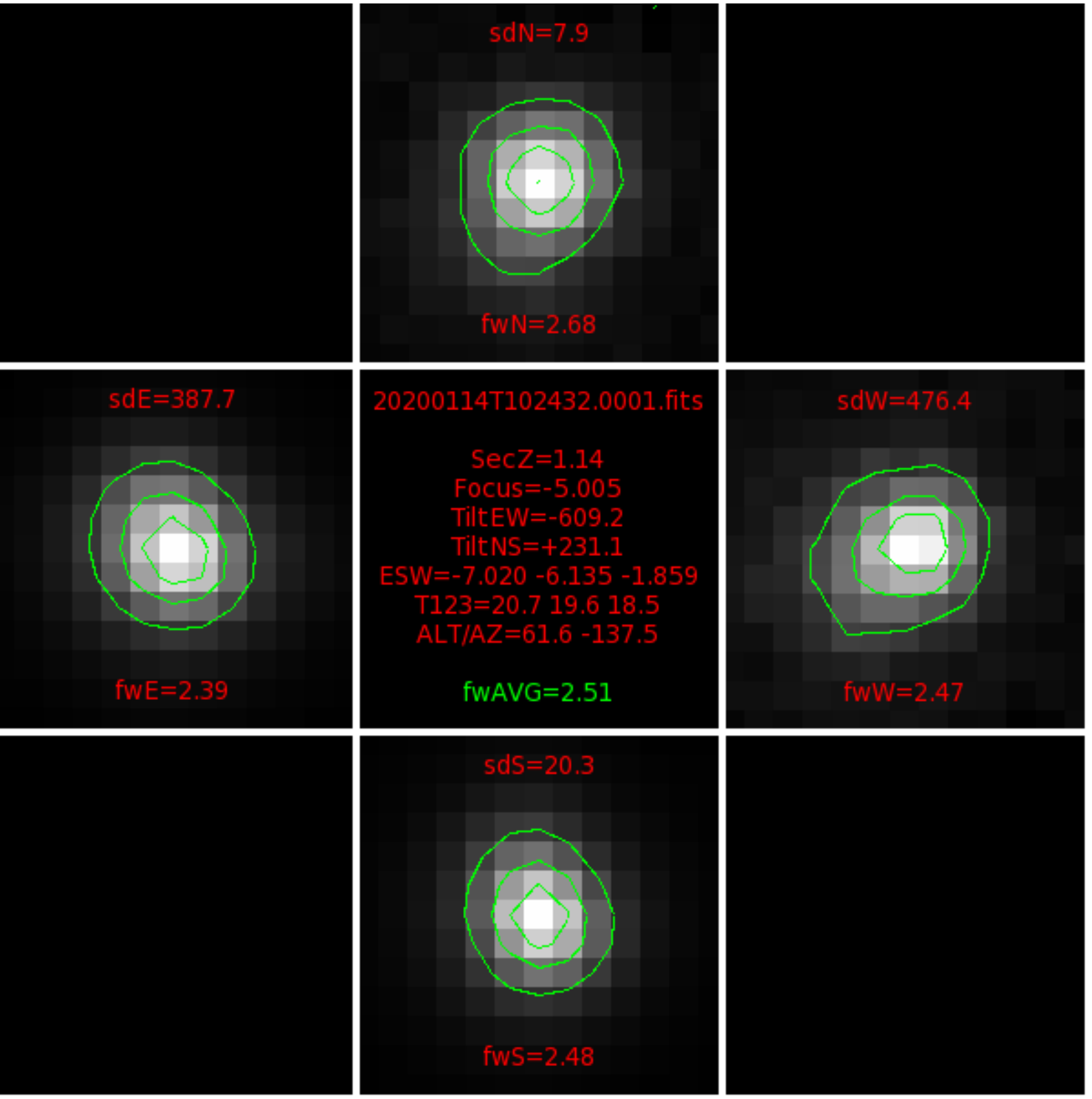
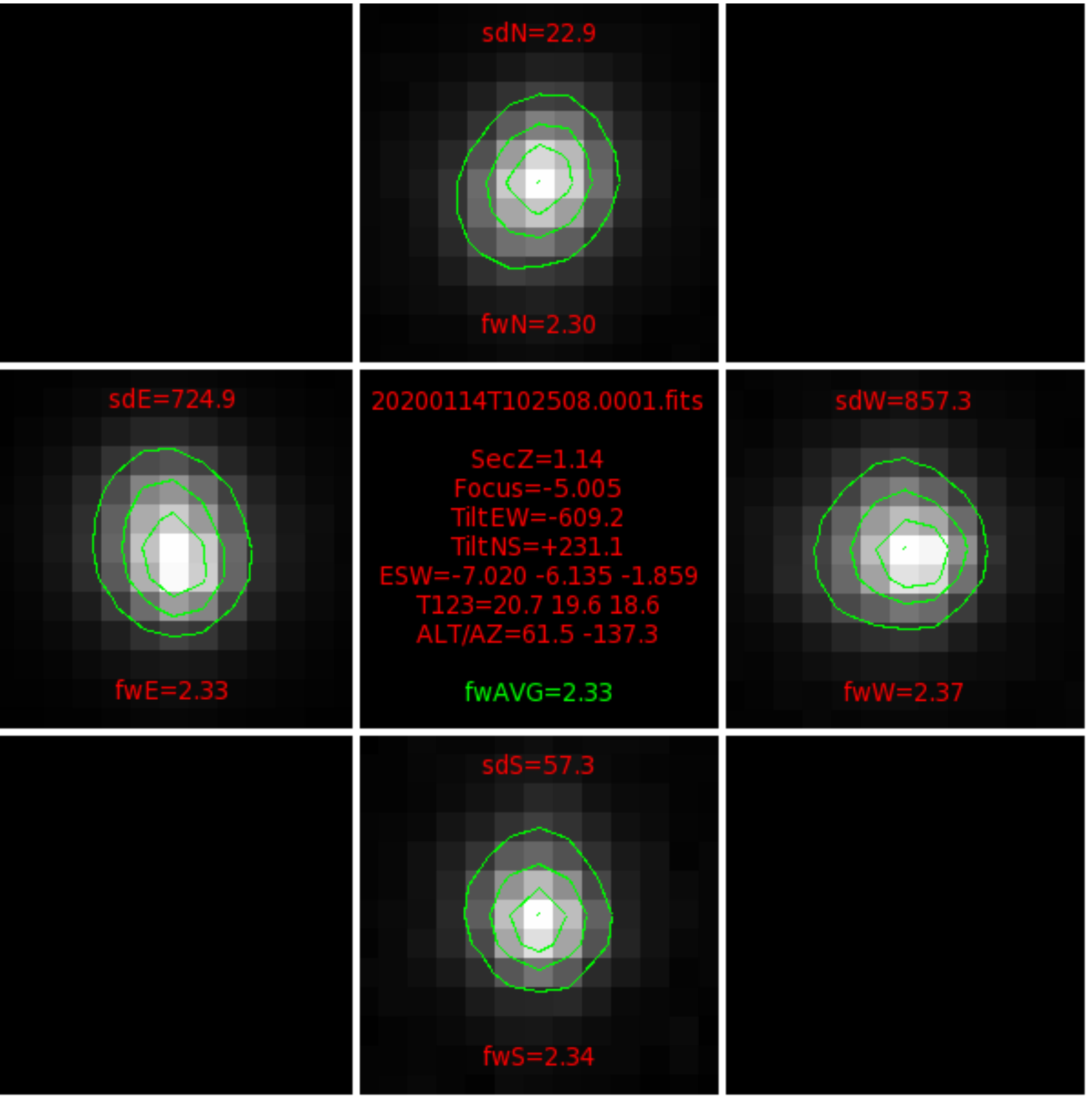
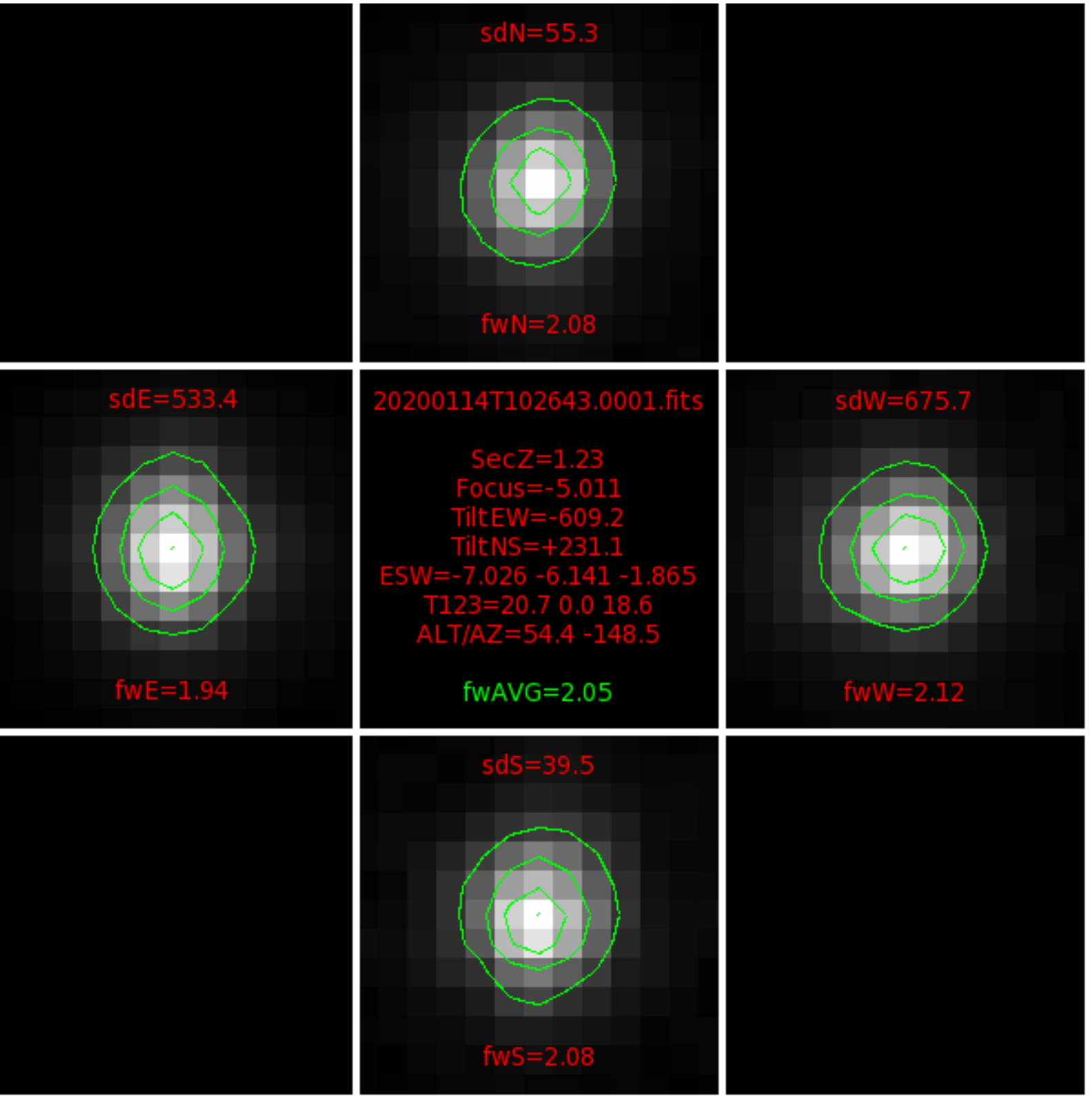
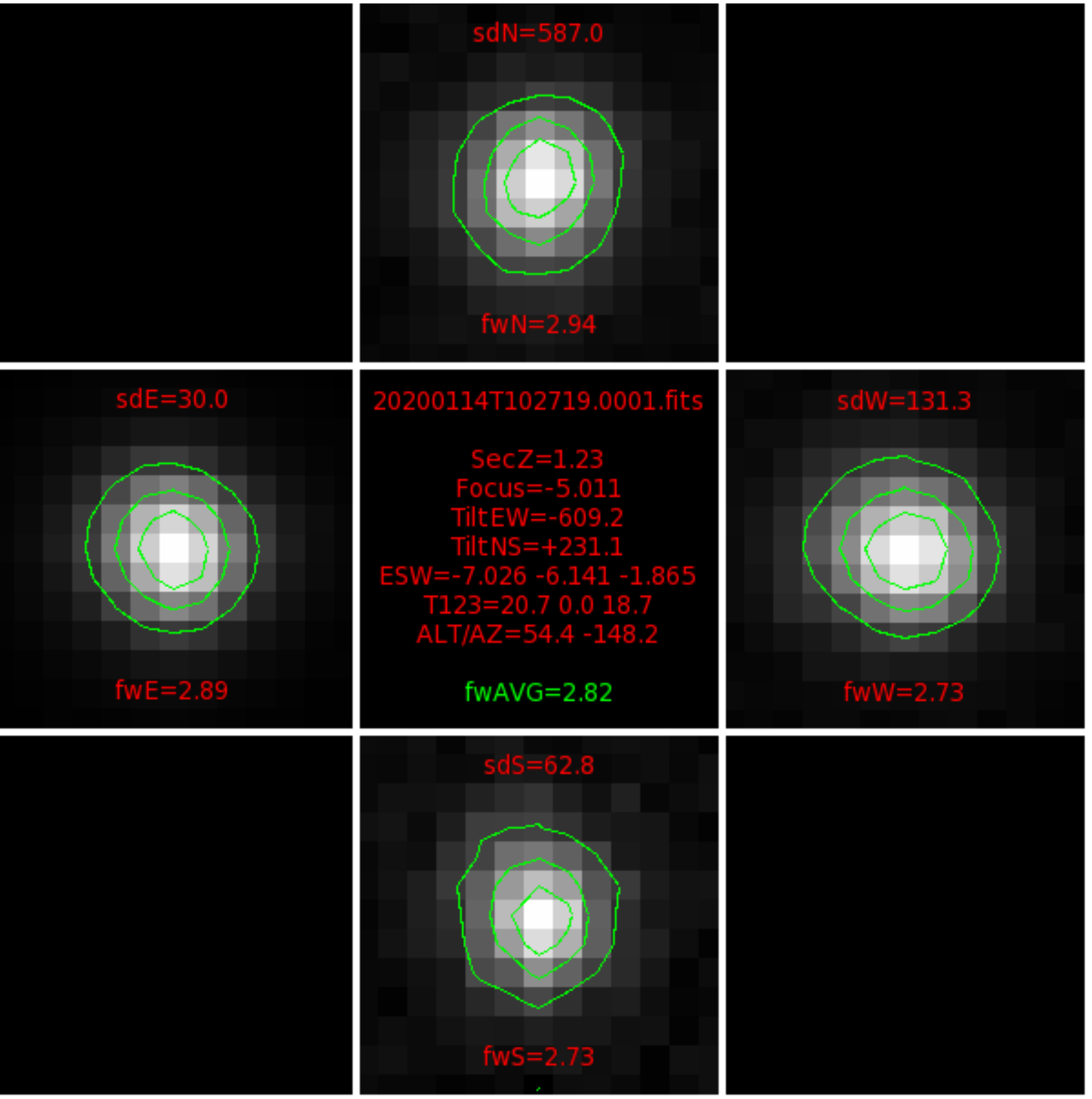

sdN=358.3
fwN=2.67
sdE=504.9
fwE=2.35
20200114T102224.0001.fits
SecZ=1.13
Focus=-4.971
TiltEW=-609.2
TiltNS=+231.1
ESW=-6.986 -6.101 -1.825
T123=20.7 19.6 18.6
ALT/AZ=61.9 -138.4
fwAVG=2.51
sdW=668.3
fwW=2.48
sdS=67.7
fwS=2.52
0 0 0 0 0 0 0 0 0

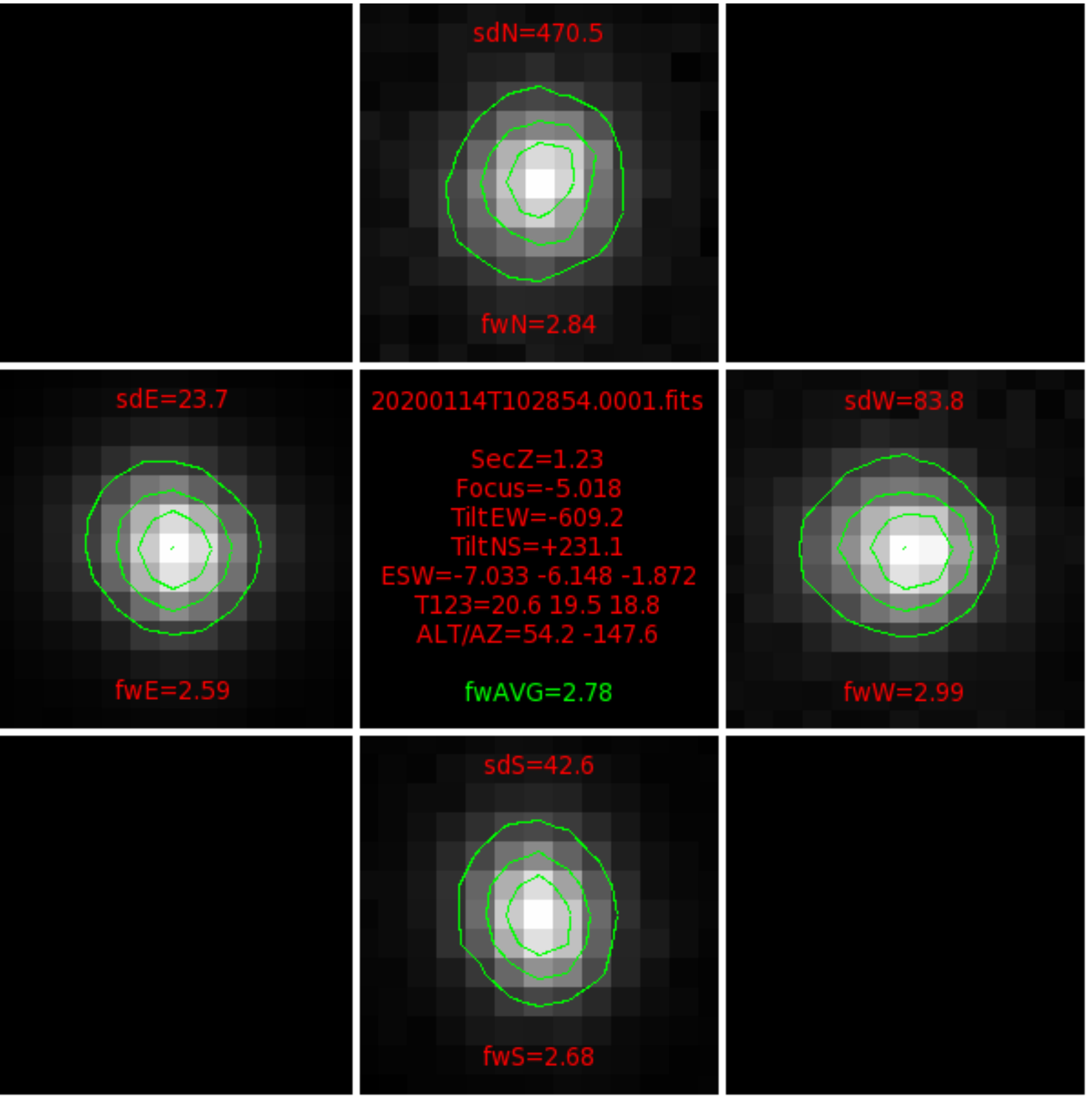

sdN=9.1
fwN=2.75
sdE=397.8
fwE=2.66
20200114T102300.0001.fits
SecZ=1.13
Focus=-4.971
TiltEW=-609.2
TiltNS=+231.1
ESW=-6.986 -6.101 -1.825
T123=20.7 0.0 18.5
ALT/AZ=61.9 -138.2
fwAVG=2.65
sdW=554.2
fwW=2.59
sdS=25.1
fwS=2.59
0 0 0 0 0 0 0 0 0


sdN=7.9
fwN=2.68
sdE=387.7
fwE=2.39
20200114T102432.0001.fits
SecZ=1.14
Focus=-5.005
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.020 -6.135 -1.859
T123=20.7 19.6 18.5
ALT/AZ=61.6 -137.5
fwAVG=2.51
sdW=476.4
fwW=2.47
sdS=20.3
fwS=2.48
0 0 0 0 0 0 0 0 0


sdN=22.9
fwN=2.30
sdE=724.9
fwE=2.33
20200114T102508.0001.fits
SecZ=1.14
Focus=-5.005
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.020 -6.135 -1.859
T123=20.7 19.6 18.6
ALT/AZ=61.5 -137.3
fwAVG=2.33
sdW=857.3
fwW=2.37
sdS=57.3
fwS=2.34
0 0 0 0 0 0 0 0 0


sdN=55.3
fwN=2.08
sdE=533.4
fwE=1.94
20200114T102643.0001.fits
SecZ=1.23
Focus=-5.011
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.026 -6.141 -1.865
T123=20.7 0.0 18.6
ALT/AZ=54.4 -148.5
fwAVG=2.05
sdW=675.7
fwW=2.12
sdS=39.5
fwS=2.08
0 0 0 0 0 0 0 0 0


sdN=587.0
fwN=2.94
sdE=30.0
fwE=2.89
20200114T102719.0001.fits
SecZ=1.23
Focus=-5.011
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.026 -6.141 -1.865
T123=20.7 0.0 18.7
ALT/AZ=54.4 -148.2
fwAVG=2.82
sdW=131.3
fwW=2.73
sdS=62.8
fwS=2.73
0 0 0 0 0 0 0 0 0


sdN=470.5
fwN=2.84
sdE=23.7
fwE=2.59
20200114T102854.0001.fits
SecZ=1.23
Focus=-5.018
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.033 -6.148 -1.872
T123=20.6 19.5 18.8
ALT/AZ=54.2 -147.6
fwAVG=2.78
sdW=83.8
fwW=2.99
sdS=42.6
fwS=2.68
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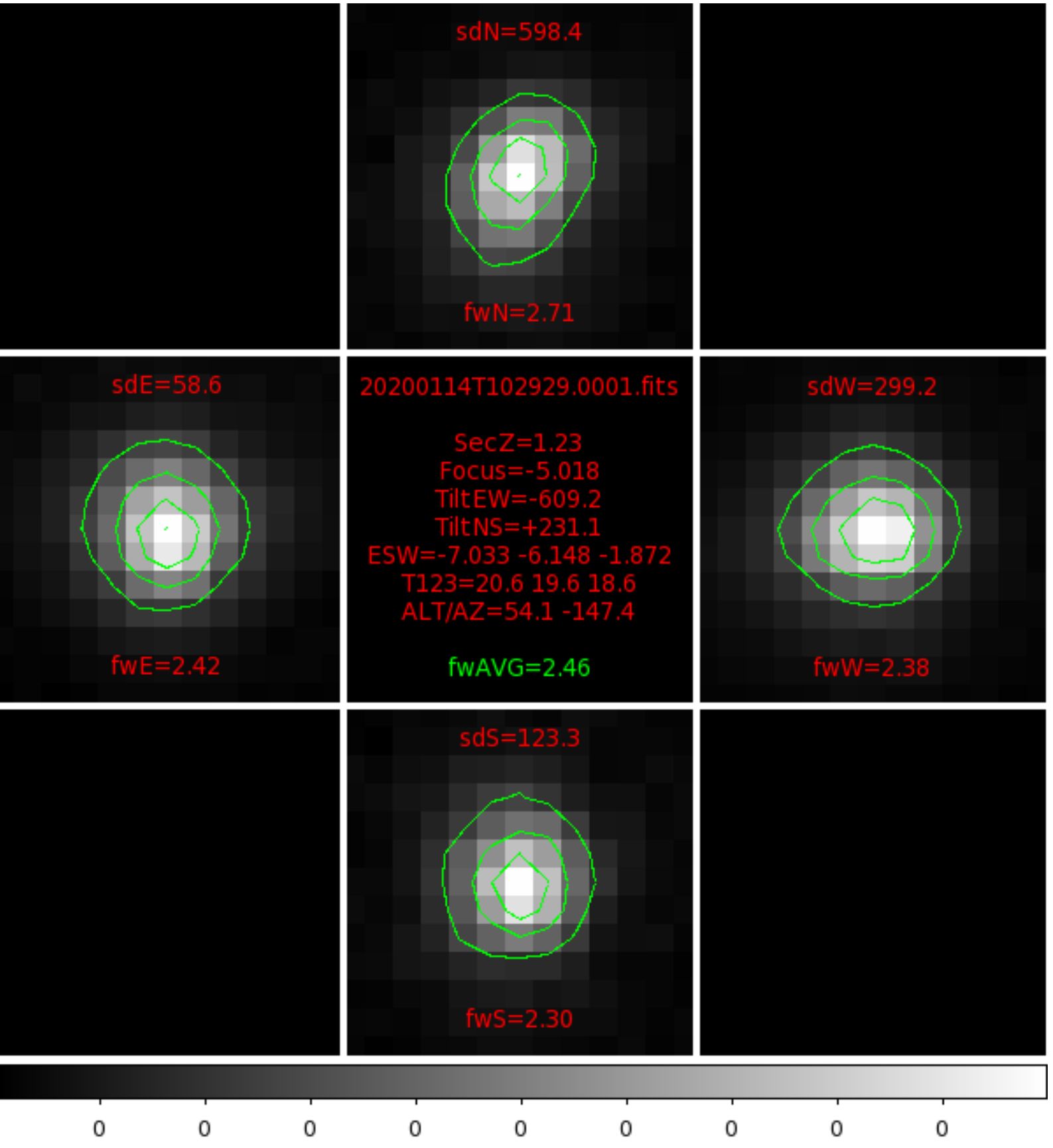
sdN=598.4
fwN=2.71
sdE=58.6
fwE=2.42
20200114T102929.0001.fits
SecZ=1.23
Focus=-5.018
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.033 -6.148 -1.872
T123=20.6 19.6 18.6
ALT/AZ=54.1 -147.4
fwAVG=2.46
sdW=299.2
fwW=2.38
sdS=123.3
fwS=2.30
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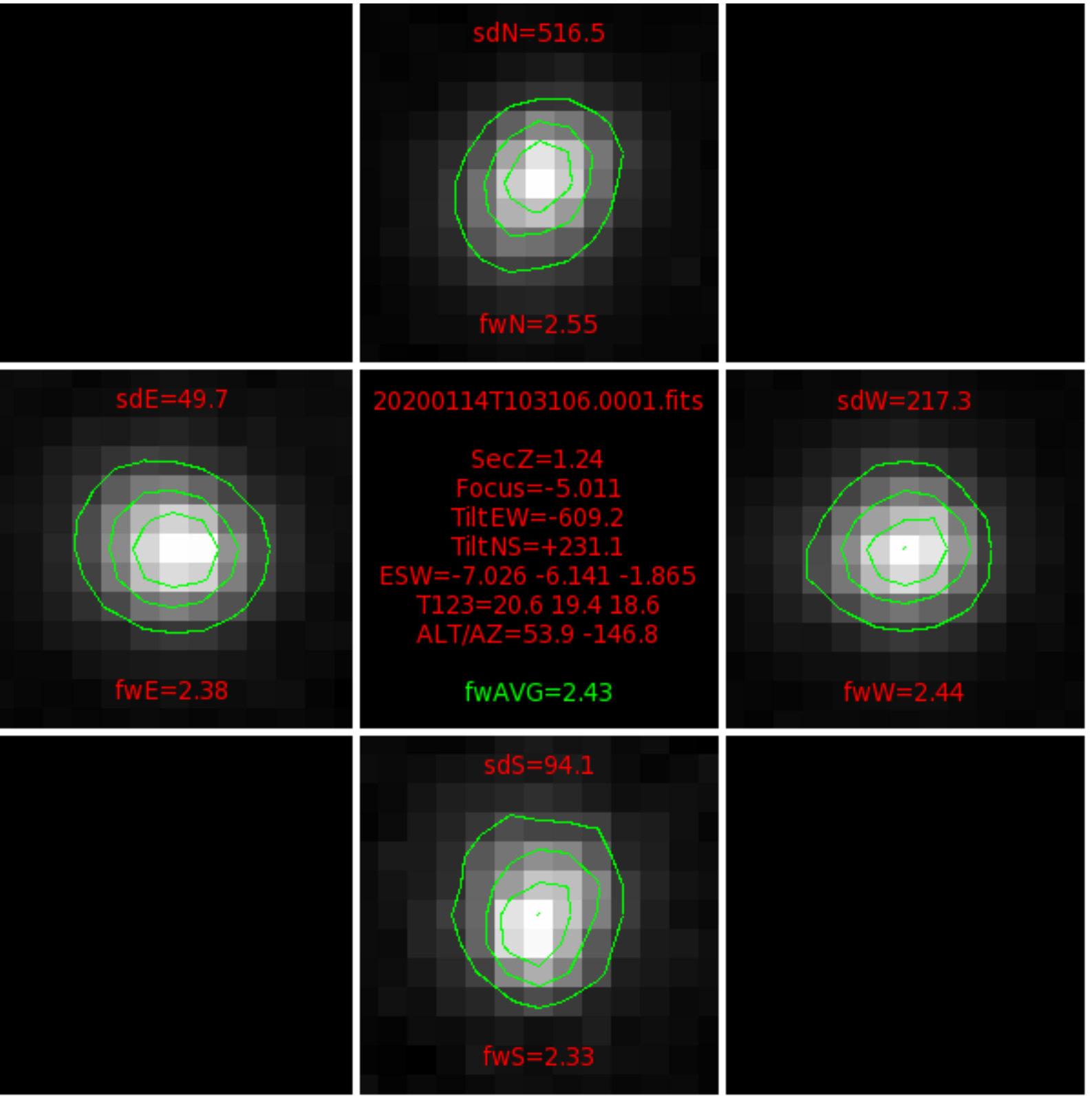
sdN=516.5
fwN=2.55
sdE=49.7
fwE=2.38
20200114T103106.0001.fits
SecZ=1.24
Focus=-5.011
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.026 -6.141 -1.865
T123=20.6 19.4 18.6
ALT/AZ=53.9 -146.8
fwAVG=2.43
sdW=217.3
fwW=2.44
sdS=94.1
fwS=2.33
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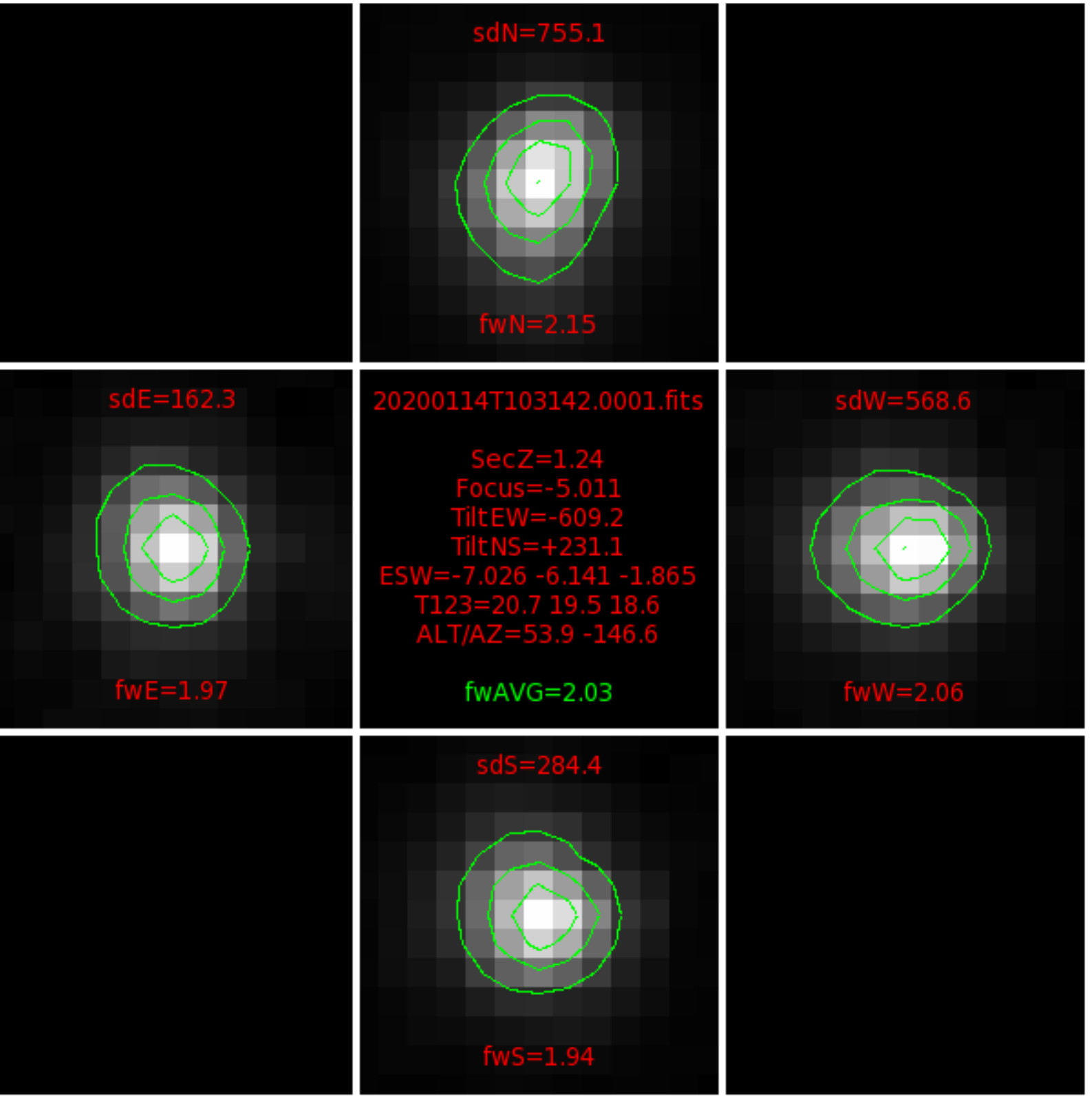
sdN=755.1
fwN=2.15
sdE=162.3
fwE=1.97
20200114T103142.0001.fits
SecZ=1.24
Focus=-5.011
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.026 -6.141 -1.865
T123=20.7 19.5 18.6
ALT/AZ=53.9 -146.6
fwAVG=2.03
sdW=568.6
fwW=2.06
sdS=284.4
fwS=1.94
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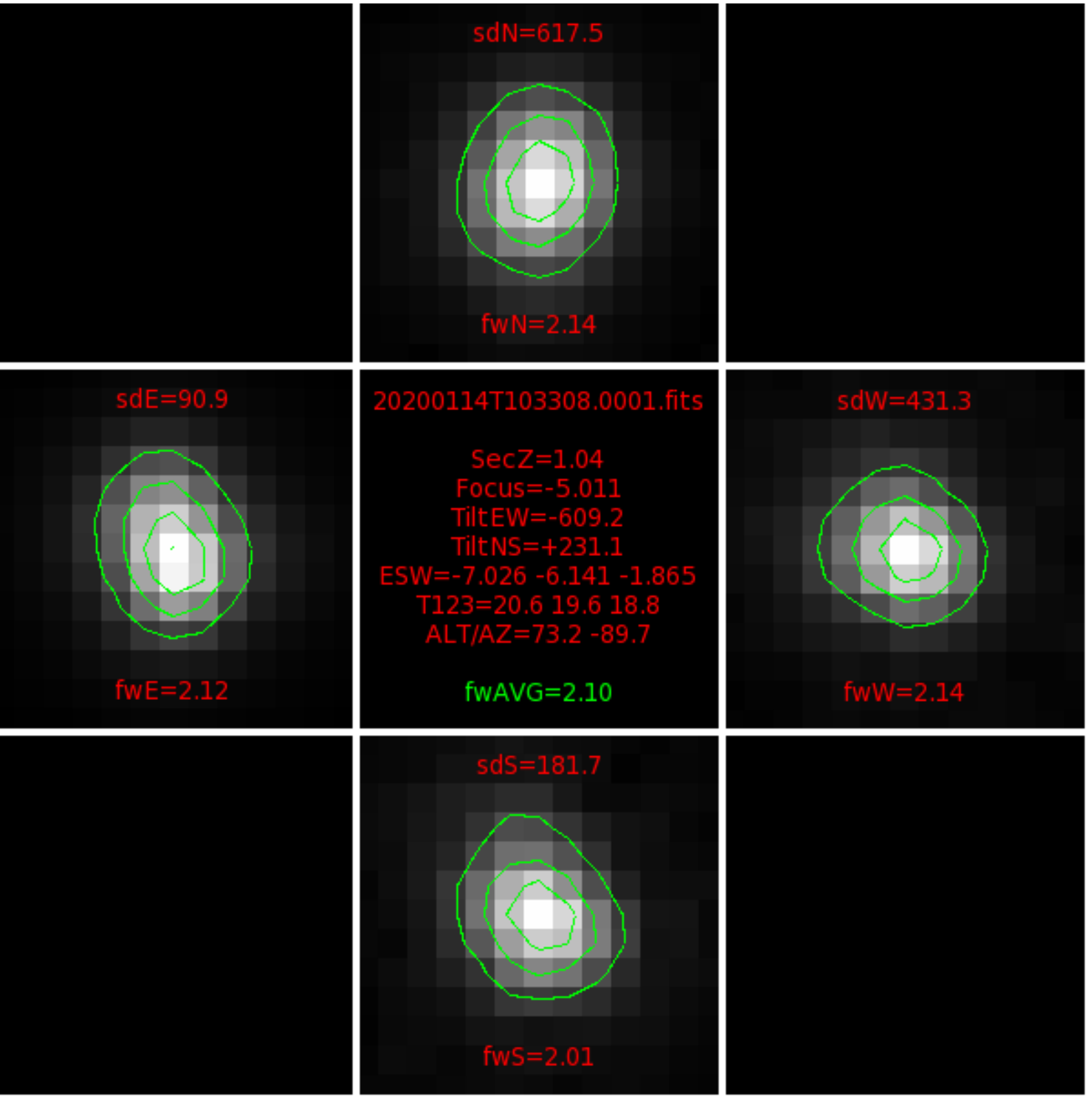
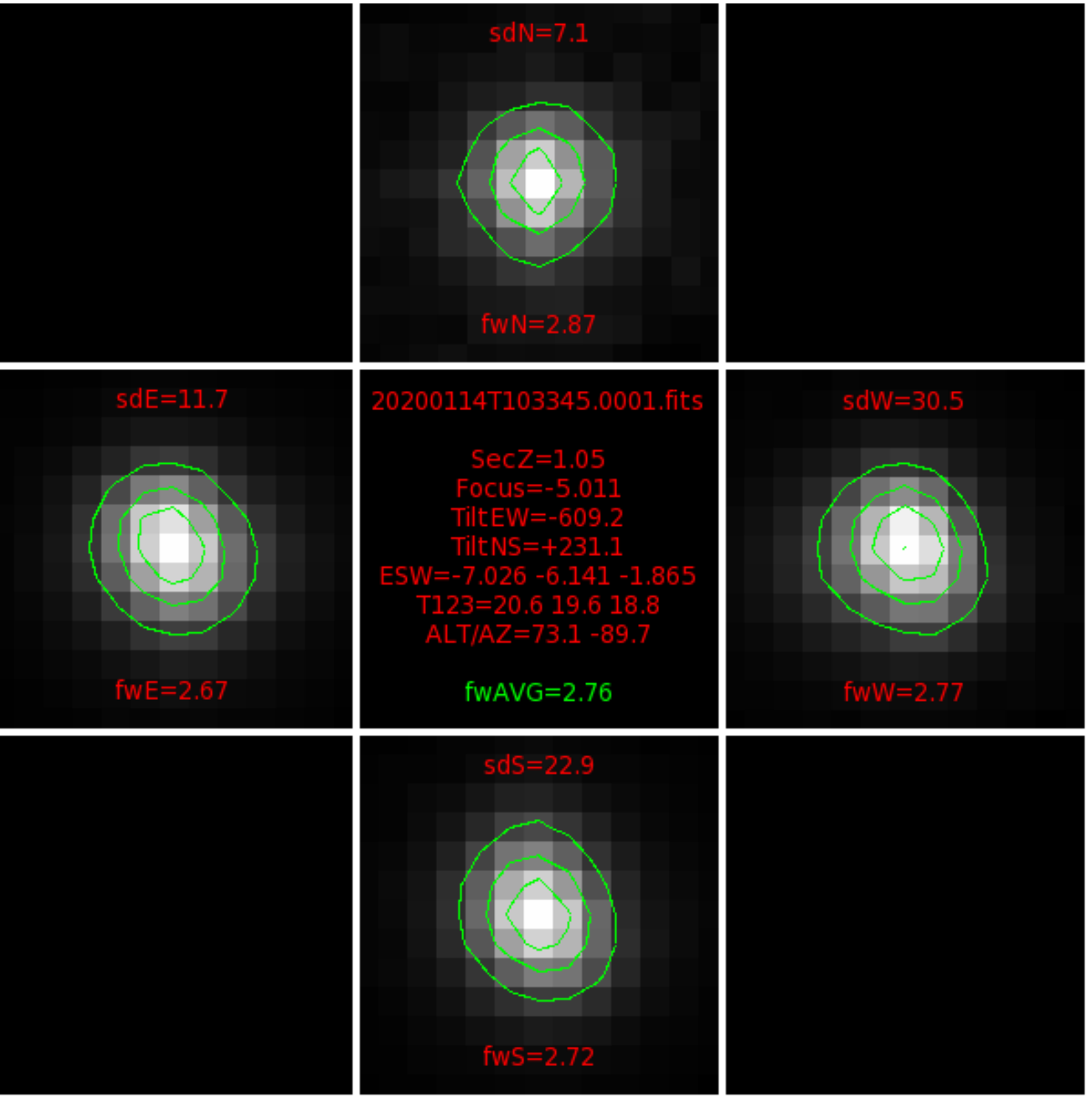

sdN=617.5
fwN=2.14
sdE=90.9
fwE=2.12
20200114T103308.0001.fits
SecZ=1.04
Focus=-5.011
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.026 -6.141 -1.865
T123=20.6 19.6 18.8
ALT/AZ=73.2 -89.7
fwAVG=2.10
sdW=431.3
fwW=2.14
sdS=181.7
fwS=2.01
0 0 0 0 0 0 0 0 0


sdN=7.1
fwN=2.87
sdE=11.7
fwE=2.67
20200114T103345.0001.fits
SecZ=1.05
Focus=-5.011
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.026 -6.141 -1.865
T123=20.6 19.6 18.8
ALT/AZ=73.1 -89.7
fwAVG=2.76
sdW=30.5
fwW=2.77
sdS=22.9
fwS=2.72
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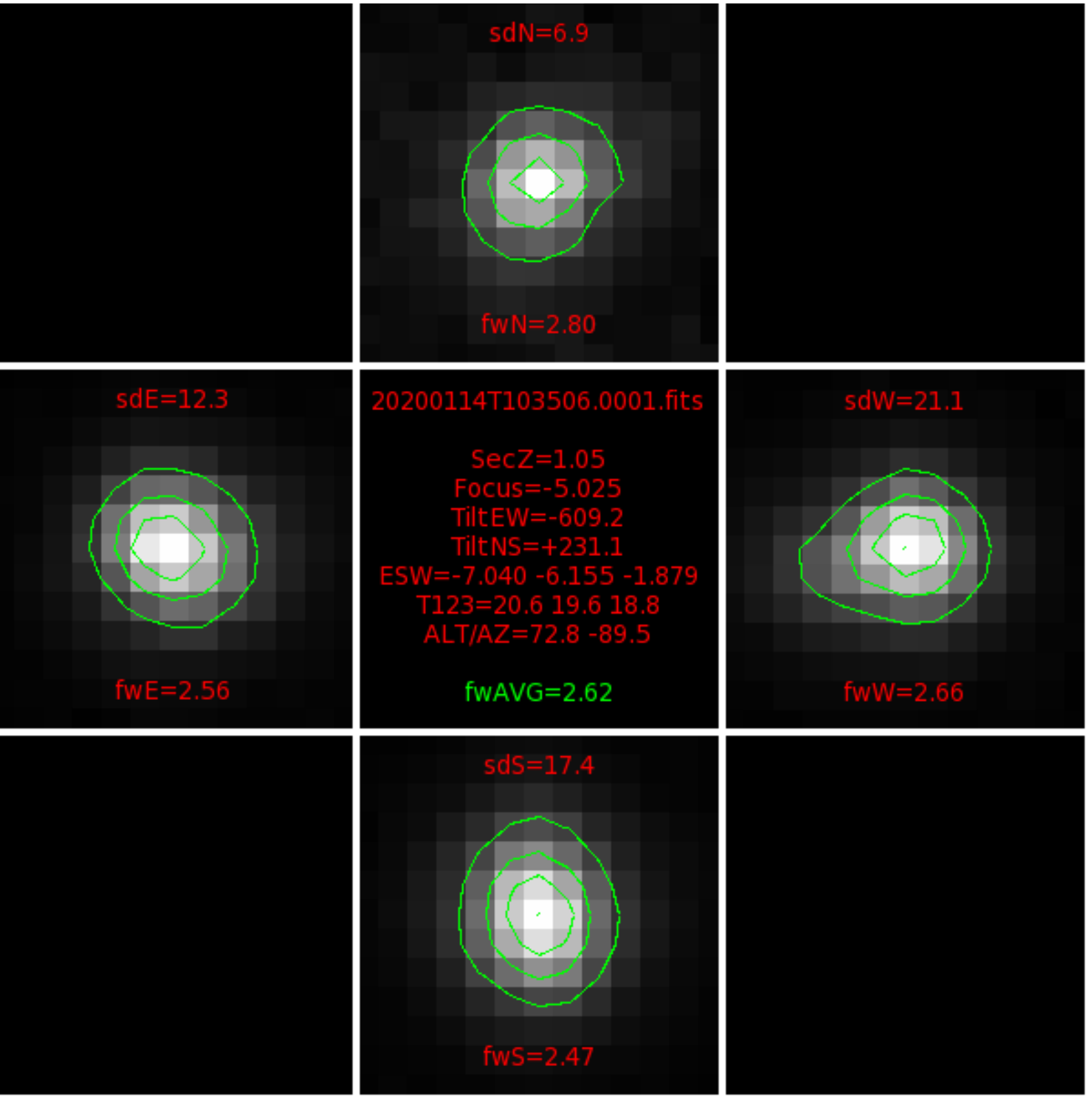
sdN=6.9
fwN=2.80
sdE=12.3
fwE=2.56
20200114T103506.0001.fits
SecZ=1.05
Focus=-5.025
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.040 -6.155 -1.879
T123=20.6 19.6 18.8
ALT/AZ=72.8 -89.5
fwAVG=2.62
sdW=21.1
fwW=2.66
sdS=17.4
fwS=2.47
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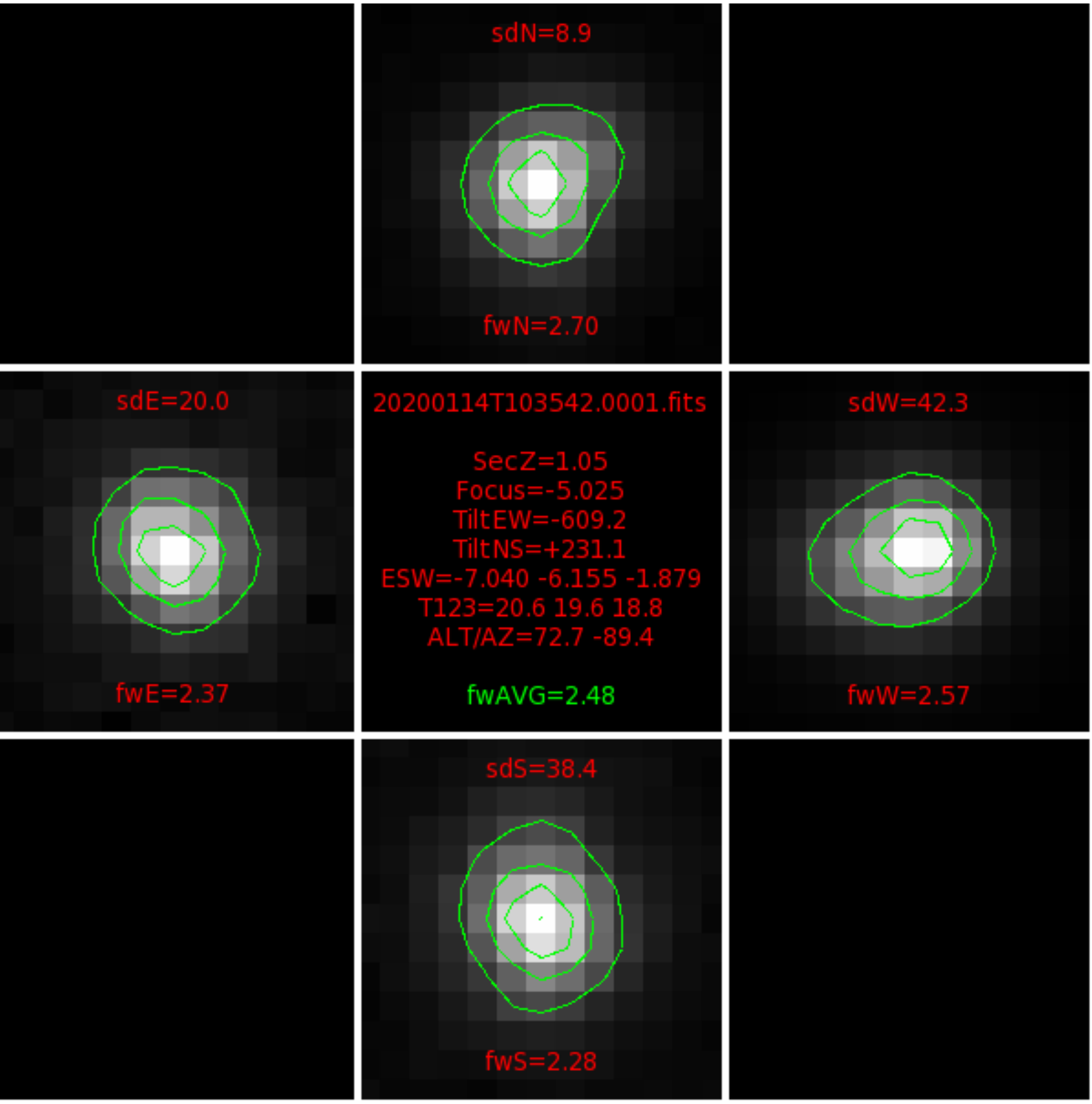
sdN=8.9
fwN=2.70
sdE=20.0
fwE=2.37
20200114T103542.0001.fits
SecZ=1.05
Focus=-5.025
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.040 -6.155 -1.879
T123=20.6 19.6 18.8
ALT/AZ=72.7 -89.4
fwAVG=2.48
sdW=42.3
fwW=2.57
sdS=38.4
fwS=2.28
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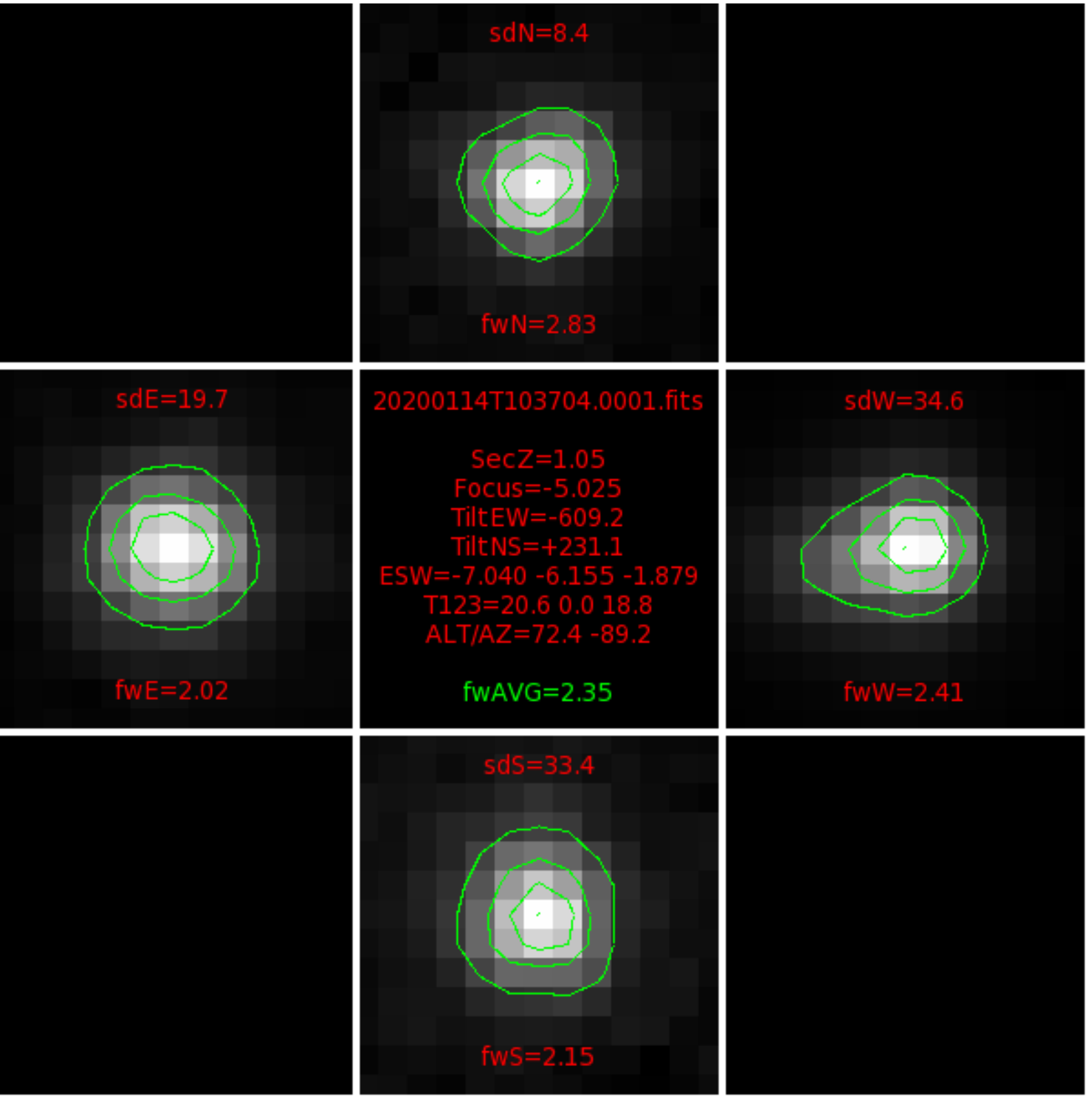
sdN=8.4
fwN=2.83
sdE=19.7
fwE=2.02
20200114T103704.0001.fits
SecZ=1.05
Focus=-5.025
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.040 -6.155 -1.879
T123=20.6 0.0 18.8
ALT/AZ=72.4 -89.2
fwAVG=2.35
sdW=34.6
fwW=2.41
sdS=33.4
fwS=2.15
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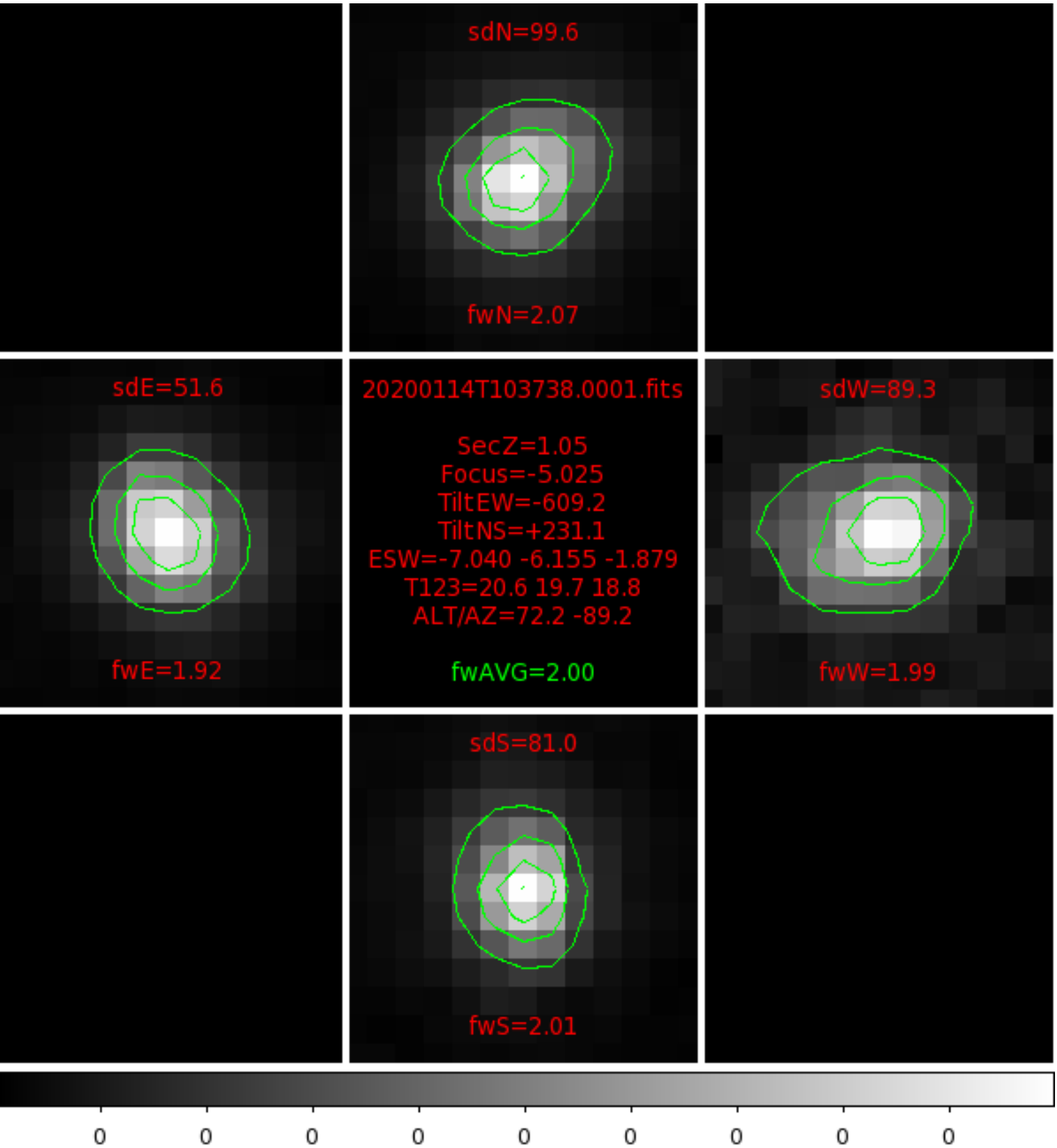
sdN=99.6
fwN=2.07
sdE=51.6
fwE=1.92
20200114T103738.0001.fits
SecZ=1.05
Focus=-5.025
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.040 -6.155 -1.879
T123=20.6 19.7 18.8
ALT/AZ=72.2 -89.2
fwAVG=2.00
sdW=89.3
fwW=1.99
sdS=81.0
fwS=2.01
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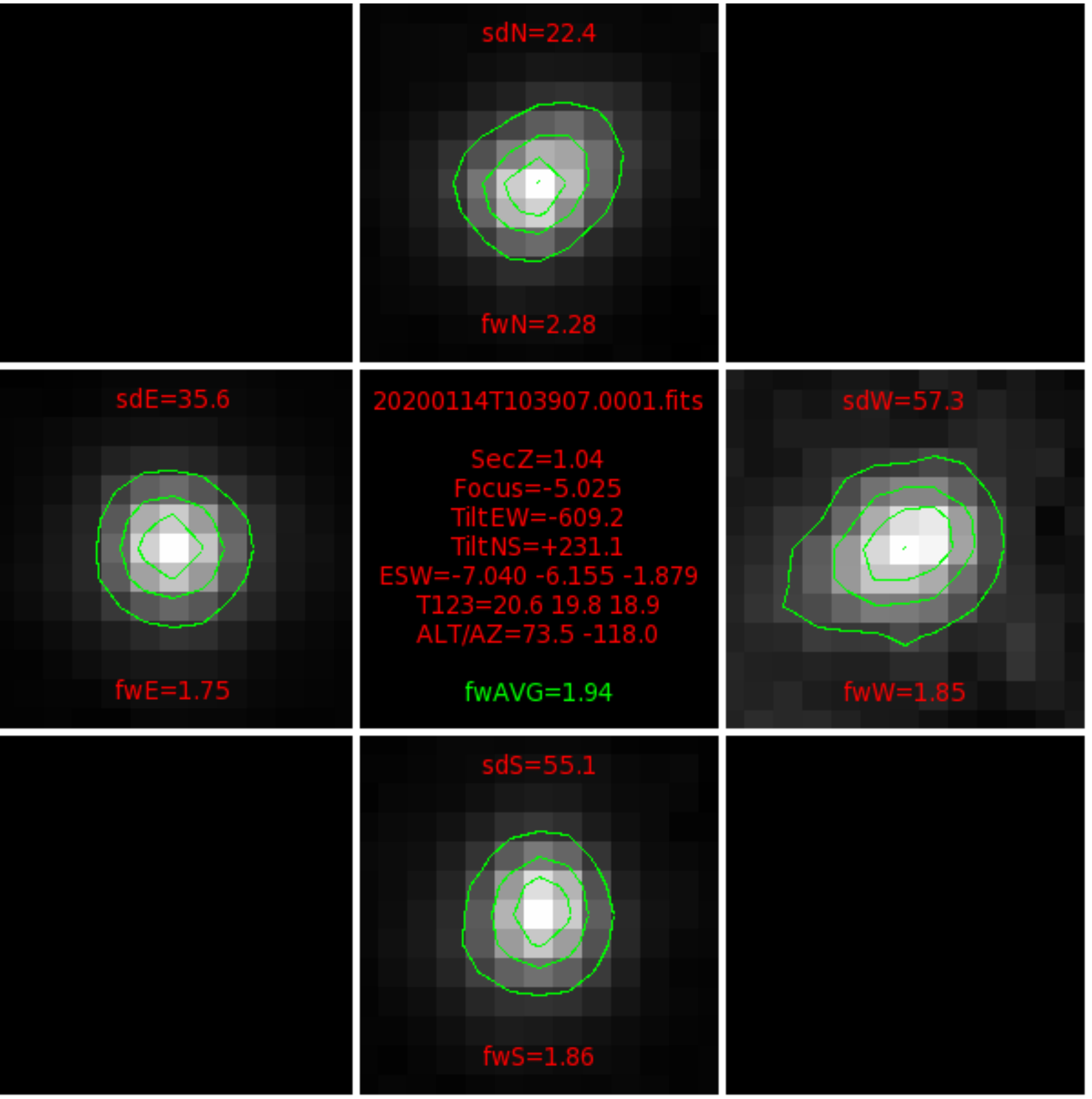
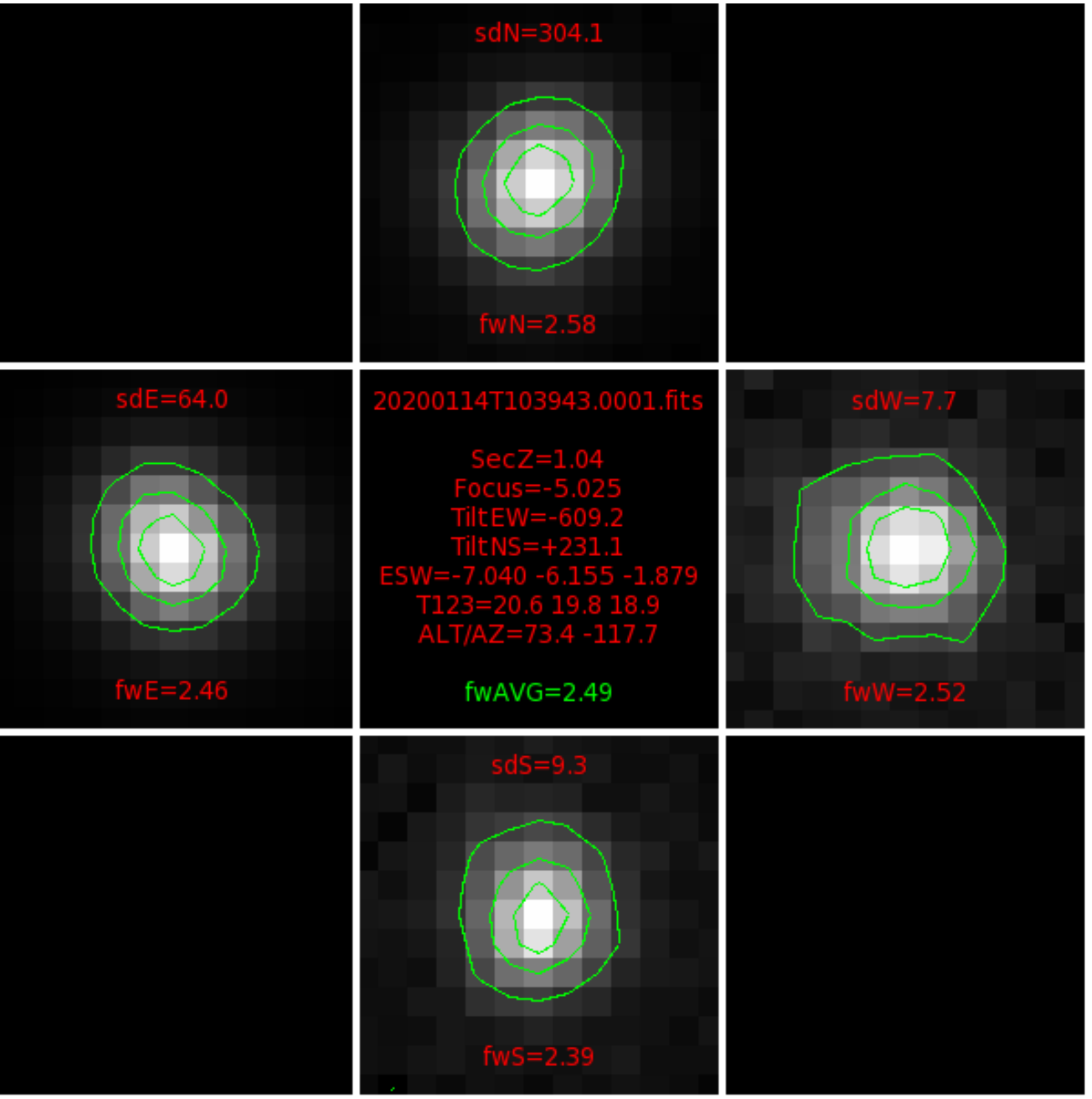

sdN=22.4
fwN=2.28
sdE=35.6
fwE=1.75
20200114T103907.0001.fits
SecZ=1.04
Focus=-5.025
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.040 -6.155 -1.879
T123=20.6 19.8 18.9
ALT/AZ=73.5 -118.0
fwAVG=1.94
sdW=57.3
fwW=1.85
sdS=55.1
fwS=1.86
0 0 0 0 0 0 0 0 0


sdN=304.1
fwN=2.58
sdE=64.0
fwE=2.46
20200114T103943.0001.fits
SecZ=1.04
Focus=-5.025
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.040 -6.155 -1.879
T123=20.6 19.8 18.9
ALT/AZ=73.4 -117.7
fwAVG=2.49
sdW=7.7
fwW=2.52
sdS=9.3
fwS=2.39
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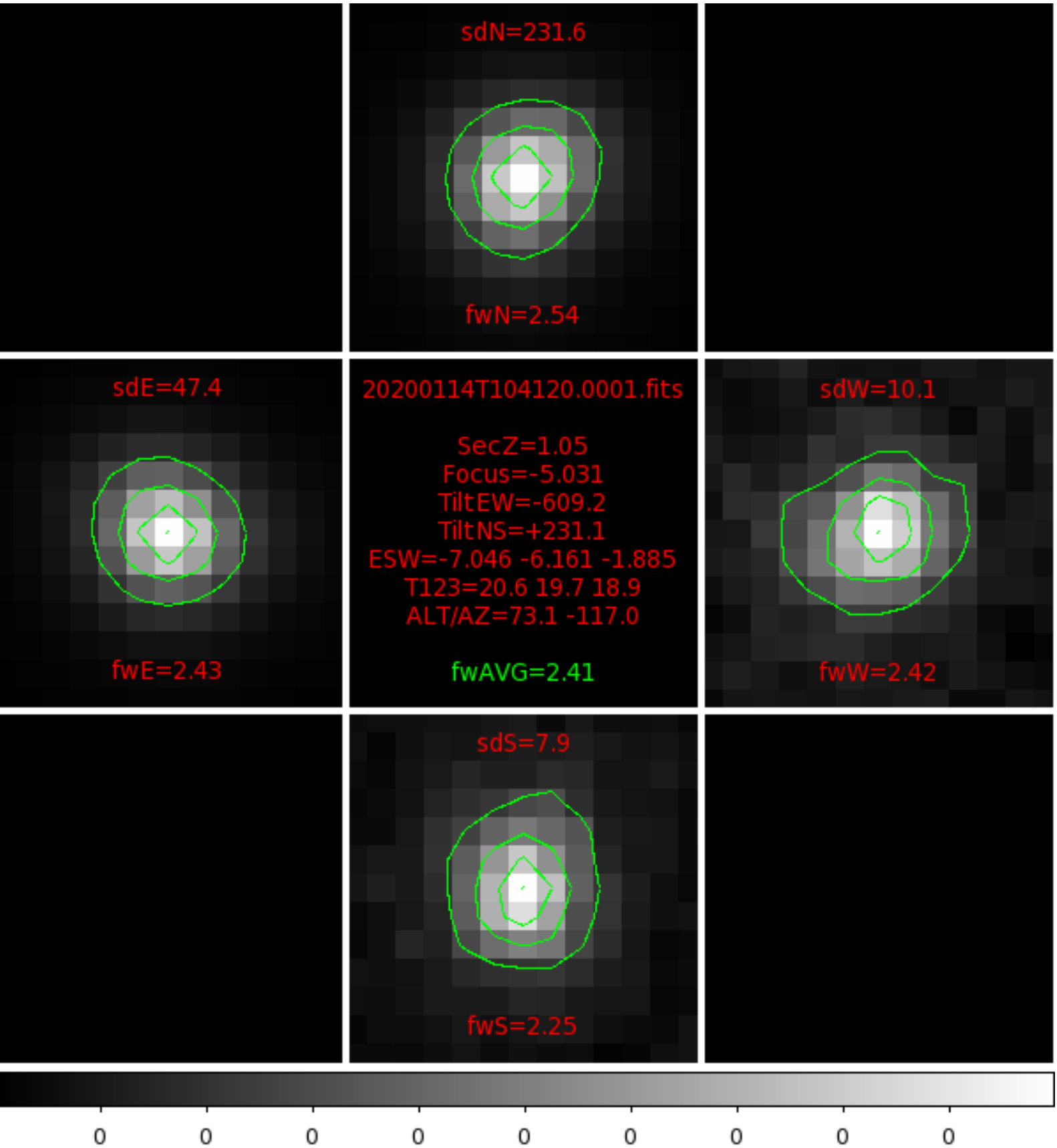
sdN=231.6
fwN=2.54
sdE=47.4
fwE=2.43
20200114T104120.0001.fits
SecZ=1.05
Focus=-5.031
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.046 -6.161 -1.885
T123=20.6 19.7 18.9
ALT/AZ=73.1 -117.0
fwAVG=2.41
sdW=10.1
fwW=2.42
sdS=7.9
fwS=2.25
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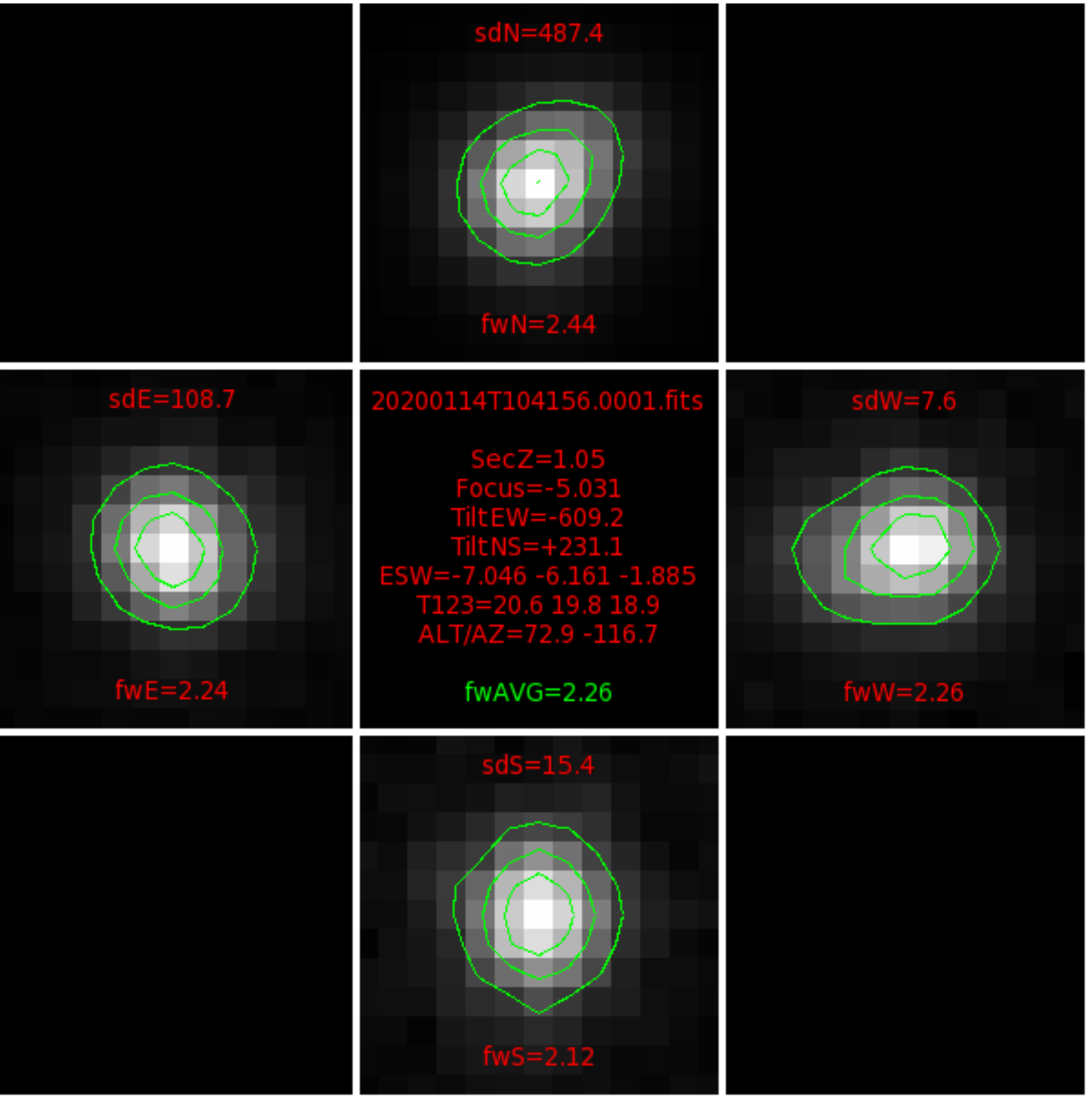
sdN=487.4
fwN=2.44
sdE=108.7
fwE=2.24
20200114T104156.0001.fits
SecZ=1.05
Focus=-5.031
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.046 -6.161 -1.885
T123=20.6 19.8 18.9
ALT/AZ=72.9 -116.7
fwAVG=2.26
sdW=7.6
fwW=2.26
sdS=15.4
fwS=2.12
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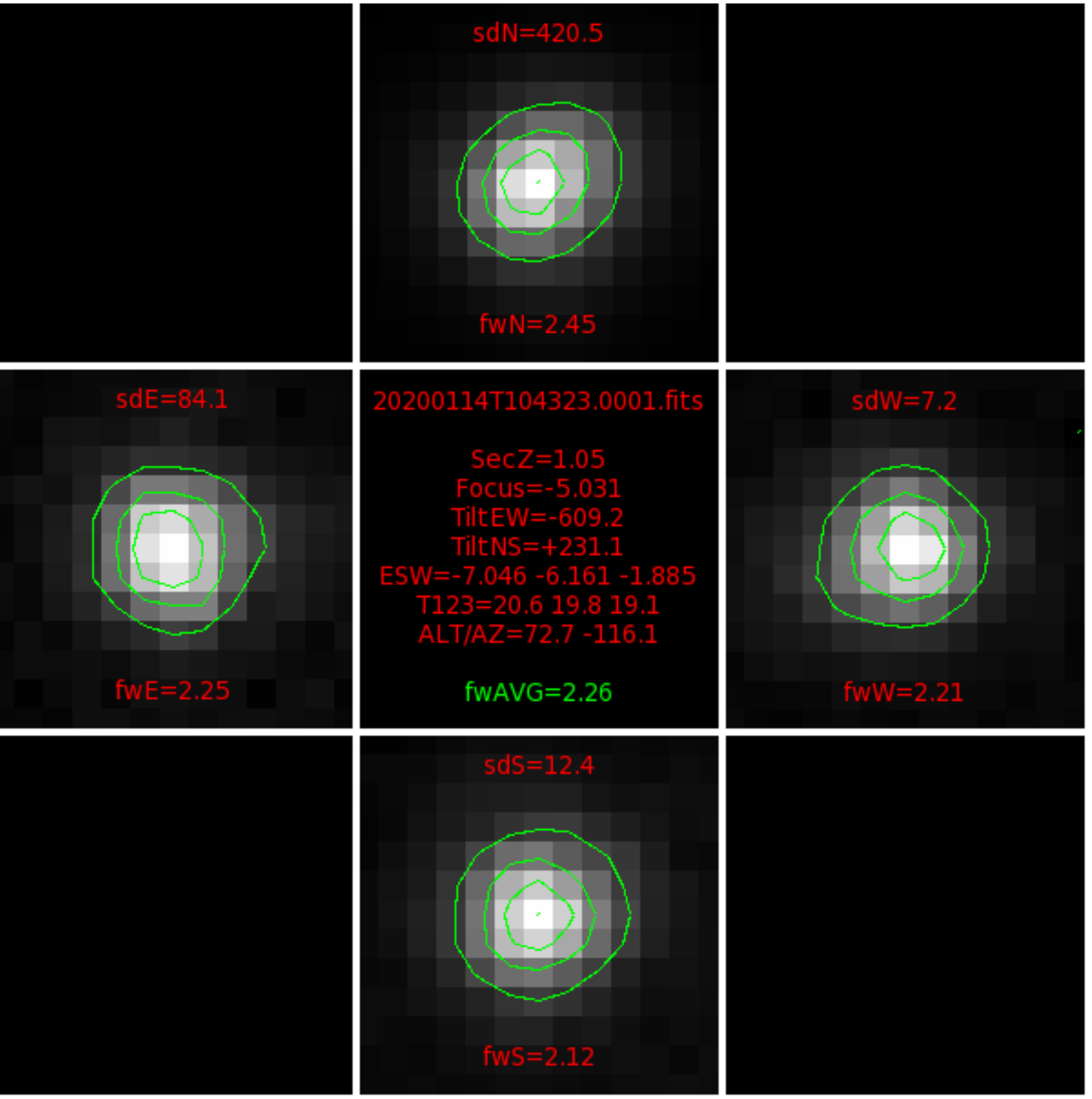
sdN=420.5
fwN=2.45
sdE=84.1
fwE=2.25
20200114T104323.0001.fits
SecZ=1.05
Focus=-5.031
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.046 -6.161 -1.885
T123=20.6 19.8 19.1
ALT/AZ=72.7 -116.1
fwAVG=2.26
sdW=7.2
fwW=2.21
sdS=12.4
fwS=2.12
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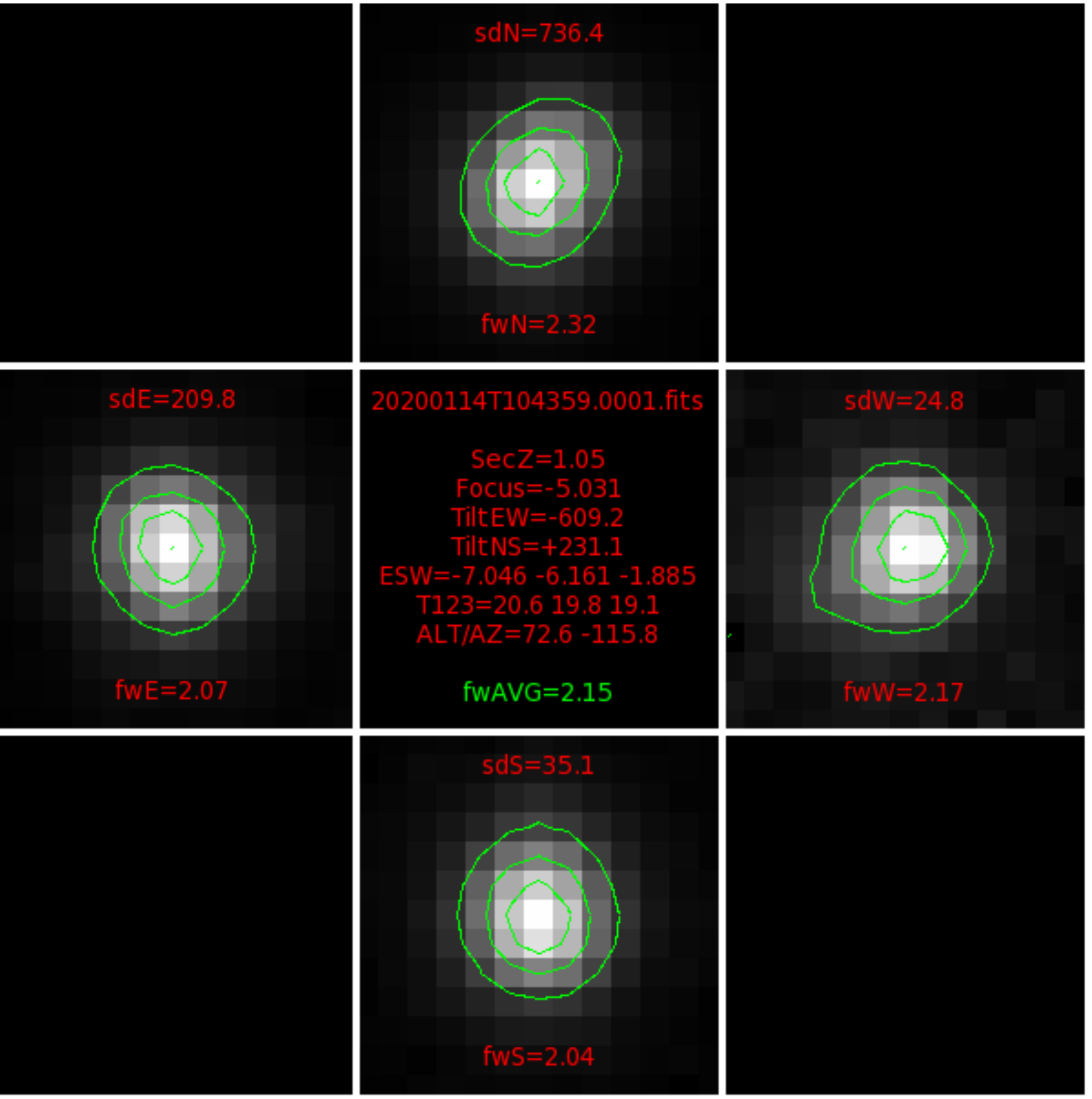
sdN=736.4
fwN=2.32
sdE=209.8
fwE=2.07
20200114T104359.0001.fits
SecZ=1.05
Focus=-5.031
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.046 -6.161 -1.885
T123=20.6 19.8 19.1
ALT/AZ=72.6 -115.8
fwAVG=2.15
sdW=24.8
fwW=2.17
sdS=35.1
fwS=2.04
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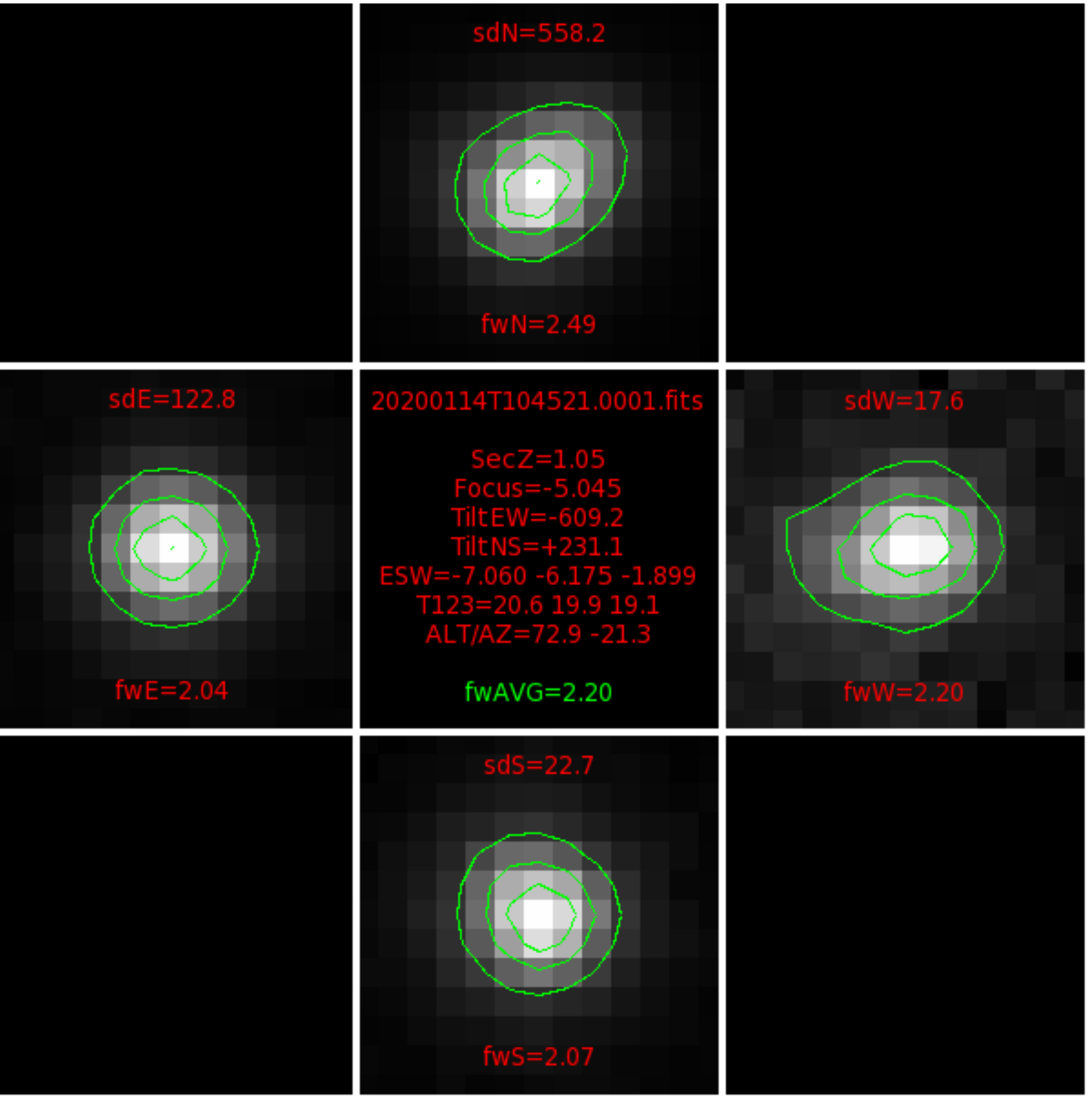
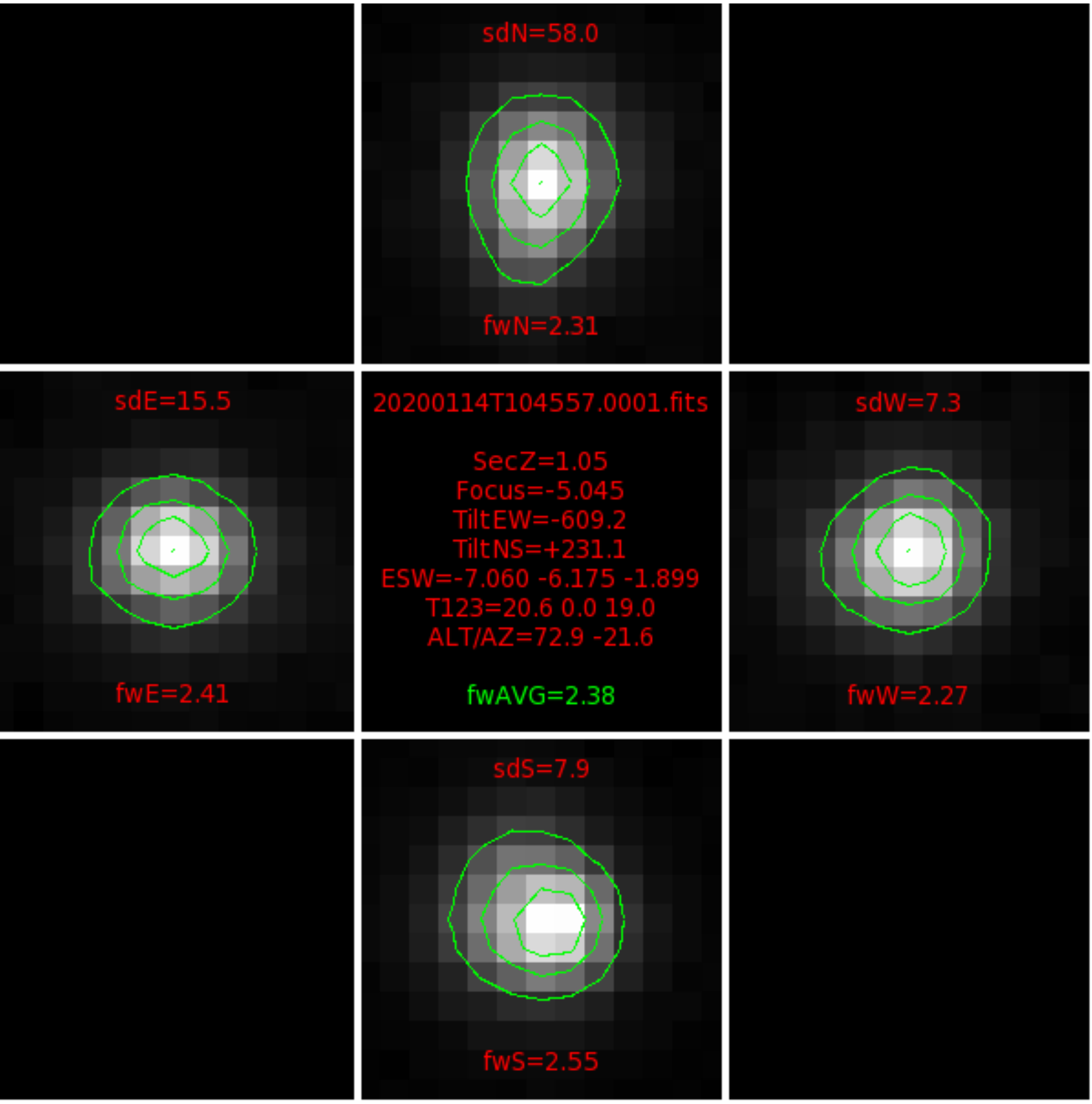
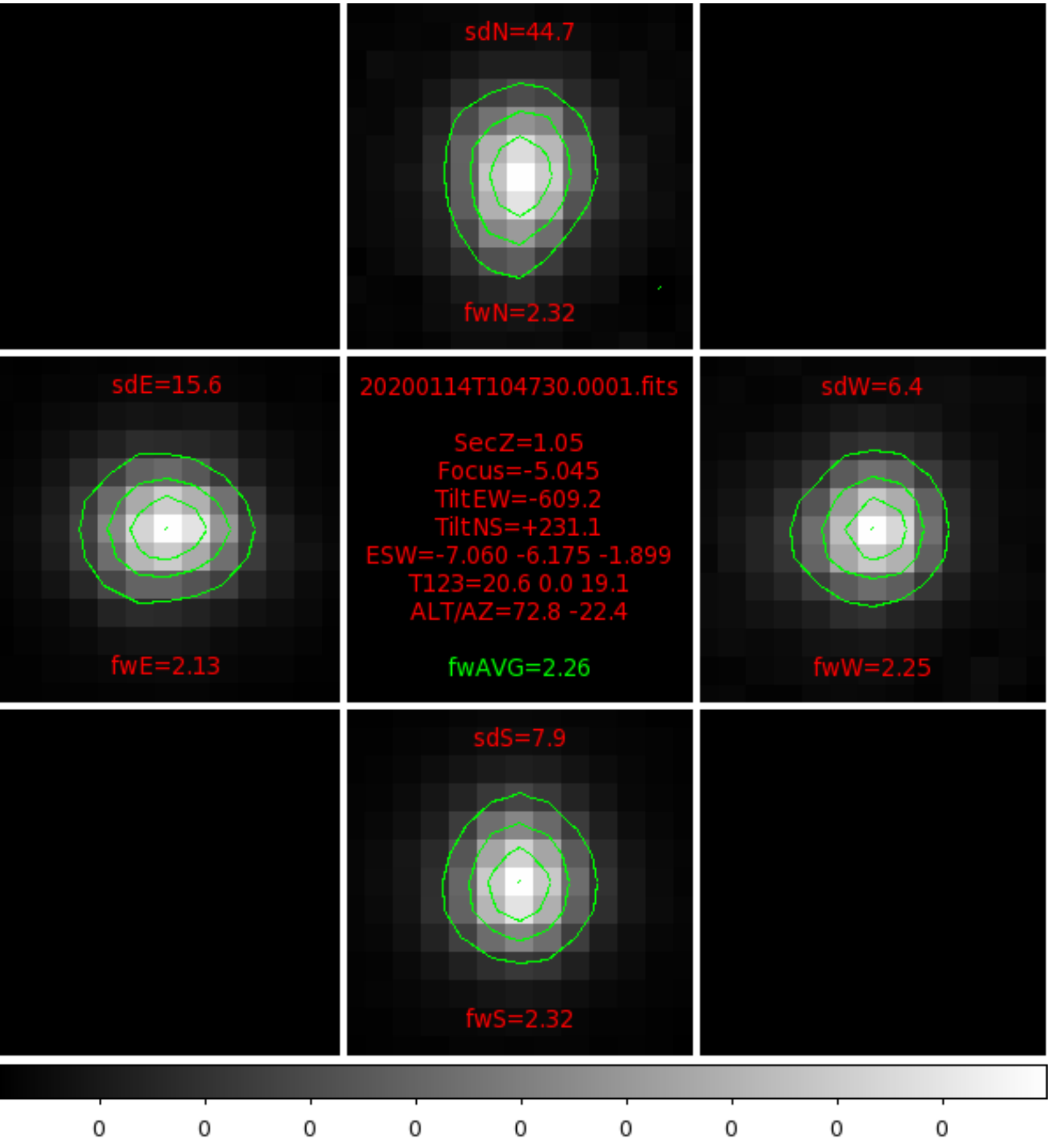
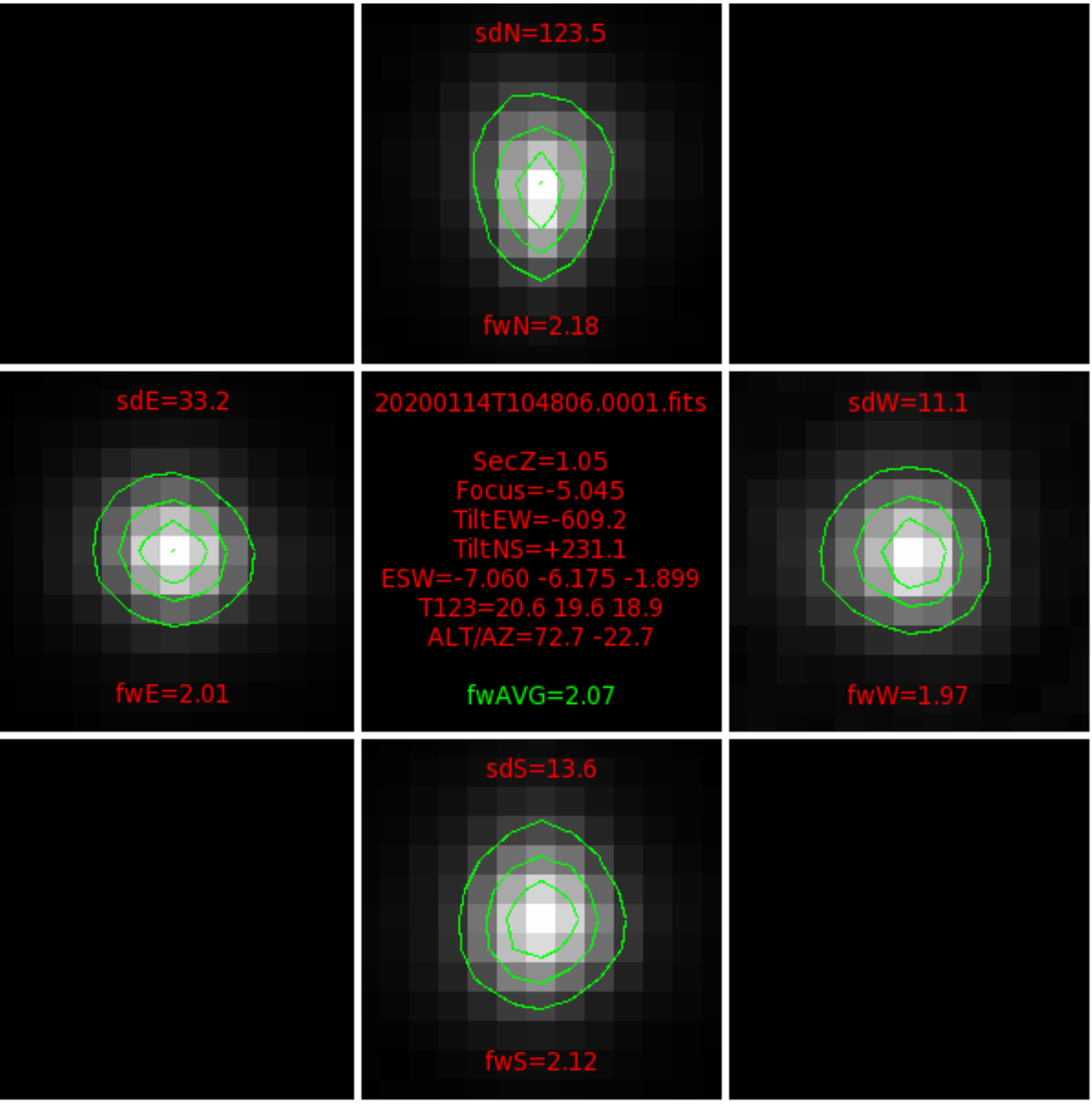
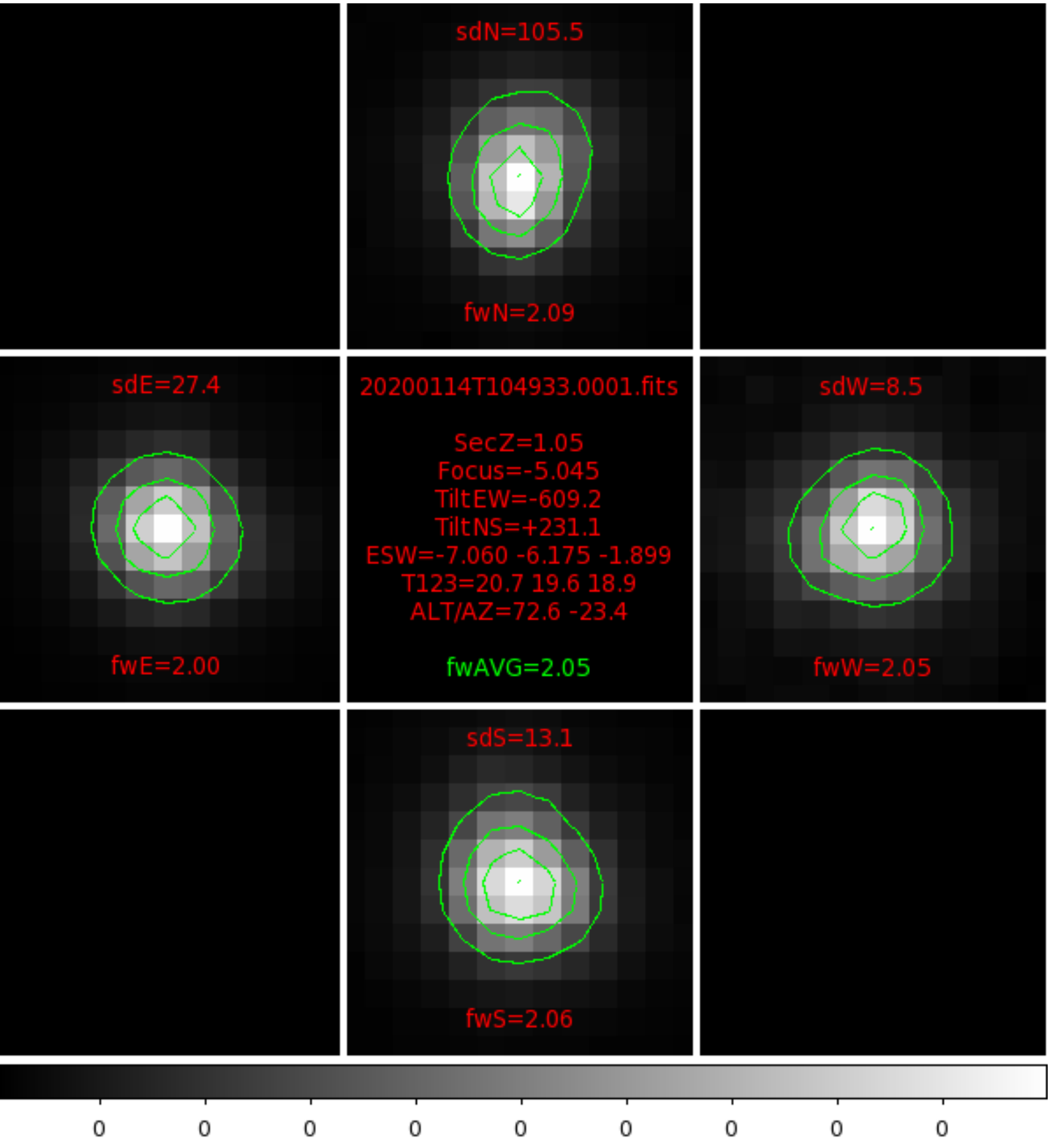
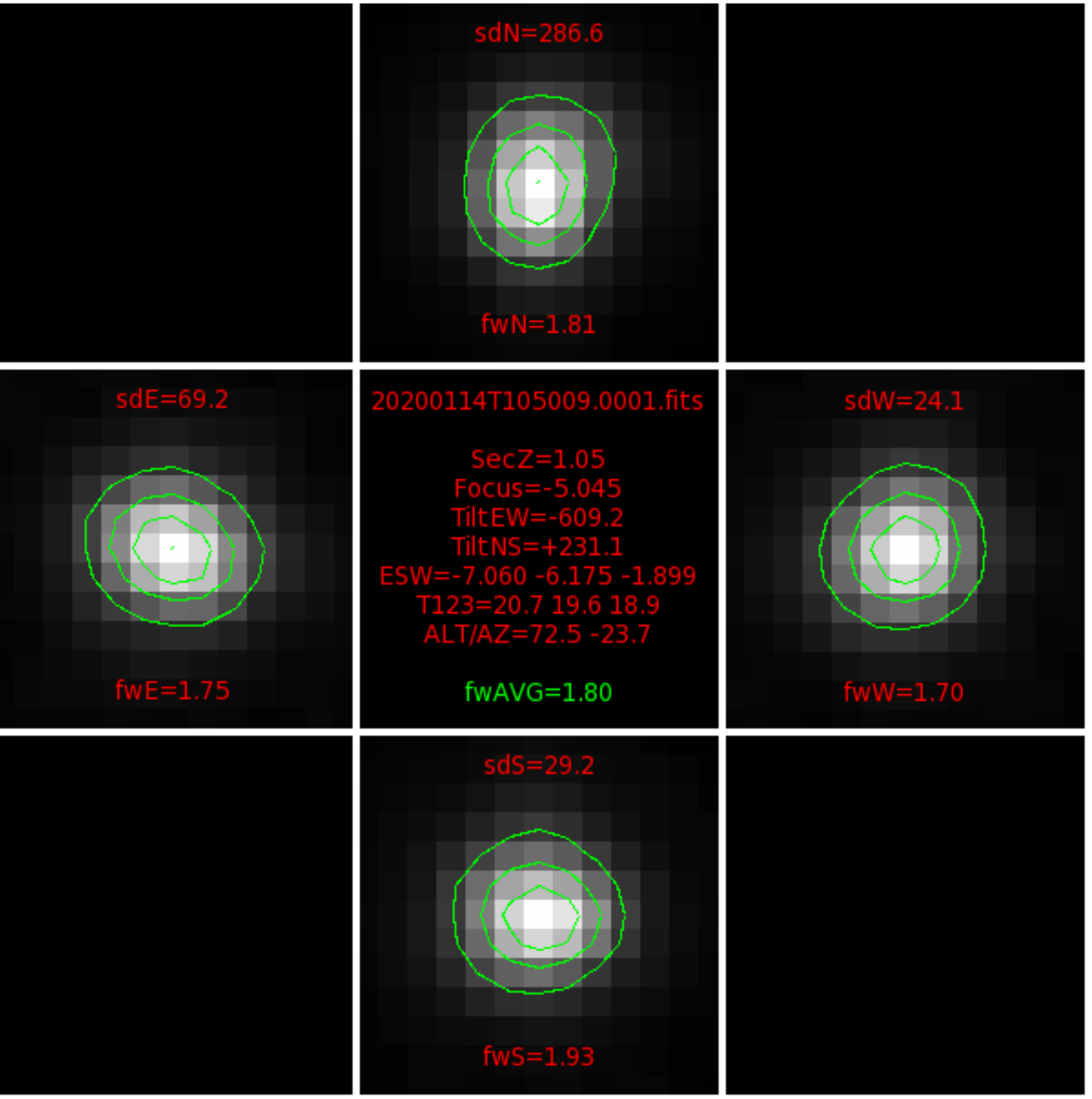

sdN=558.2
fwN=2.49
sdE=122.8
fwE=2.04
20200114T104521.0001.fits
SecZ=1.05
Focus=-5.045
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.060 -6.175 -1.899
T123=20.6 19.9 19.1
ALT/AZ=72.9 -21.3
fwAVG=2.20
sdW=17.6
fwW=2.20
sdS=22.7
fwS=2.07
0 0 0 0 0 0 0 0 0


sdN=58.0
fwN=2.31
sdE=15.5
fwE=2.41
20200114T104557.0001.fits
SecZ=1.05
Focus=-5.045
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.060 -6.175 -1.899
T123=20.6 0.0 19.0
ALT/AZ=72.9 -21.6
fwAVG=2.38
sdW=7.3
fwW=2.27
sdS=7.9
fwS=2.55
0 0 0 0 0 0 0 0 0


sdN=44.7
fwN=2.32
sdE=15.6
fwE=2.13
20200114T104730.0001.fits
SecZ=1.05
Focus=-5.045
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.060 -6.175 -1.899
T123=20.6 0.0 19.1
ALT/AZ=72.8 -22.4
fwAVG=2.26
sdW=6.4
fwW=2.25
sdS=7.9
fwS=2.32
0 0 0 0 0 0 0 0 0


sdN=123.5
fwN=2.18
sdE=33.2
fwE=2.01
20200114T104806.0001.fits
SecZ=1.05
Focus=-5.045
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.060 -6.175 -1.899
T123=20.6 19.6 18.9
ALT/AZ=72.7 -22.7
fwAVG=2.07
sdW=11.1
fwW=1.97
sdS=13.6
fwS=2.12
0 0 0 0 0 0 0 0 0


sdN=105.5
fwN=2.09
sdE=27.4
fwE=2.00
20200114T104933.0001.fits
SecZ=1.05
Focus=-5.045
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.060 -6.175 -1.899
T123=20.7 19.6 18.9
ALT/AZ=72.6 -23.4
fwAVG=2.05
sdW=8.5
fwW=2.05
sdS=13.1
fwS=2.06
0 0 0 0 0 0 0 0 0


sdN=286.6
fwN=1.81
sdE=69.2
fwE=1.75
20200114T105009.0001.fits
SecZ=1.05
Focus=-5.045
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.060 -6.175 -1.899
T123=20.7 19.6 18.9
ALT/AZ=72.5 -23.7
fwAVG=1.80
sdW=24.1
fwW=1.70
sdS=29.2
fwS=1.93
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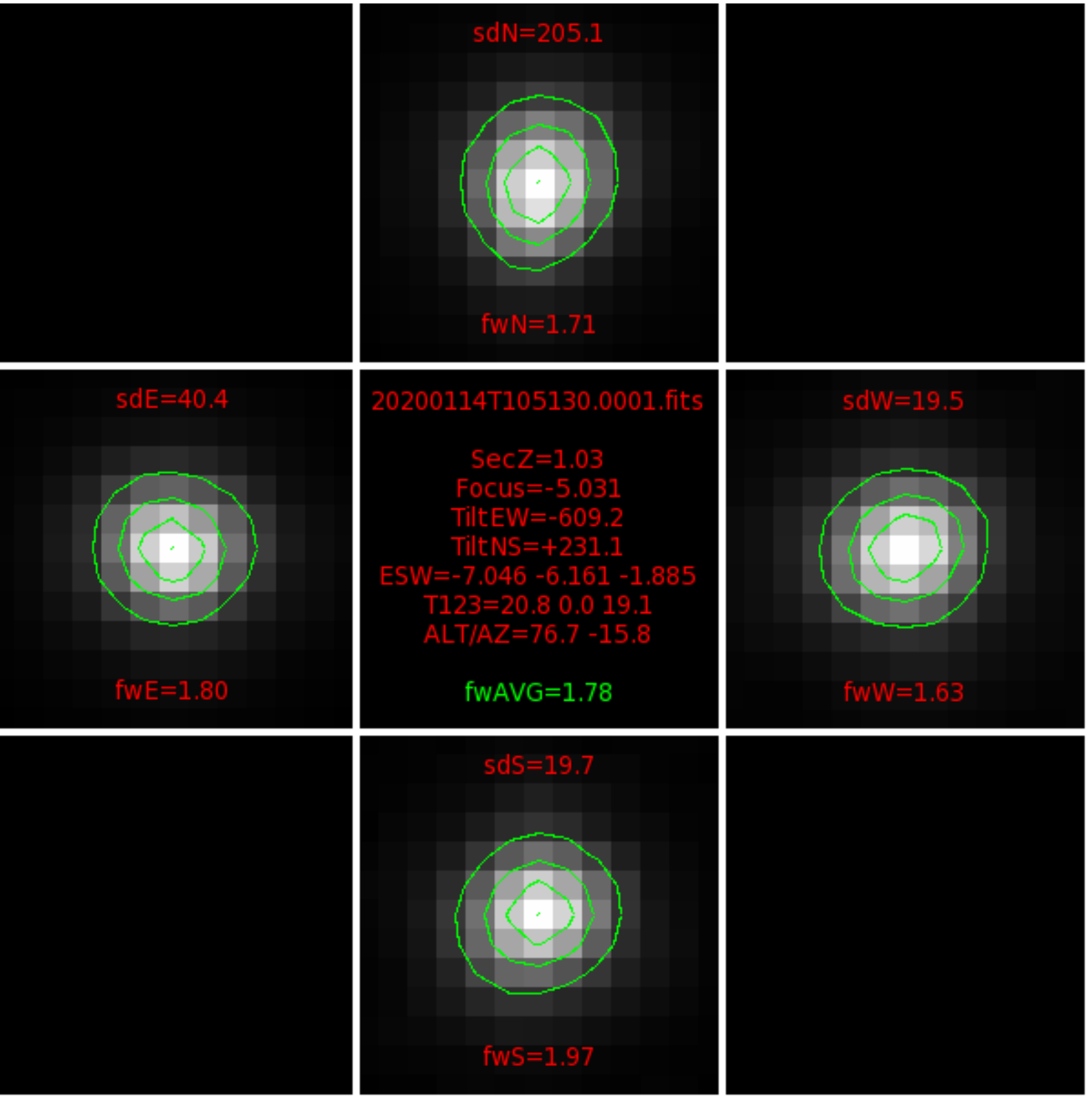
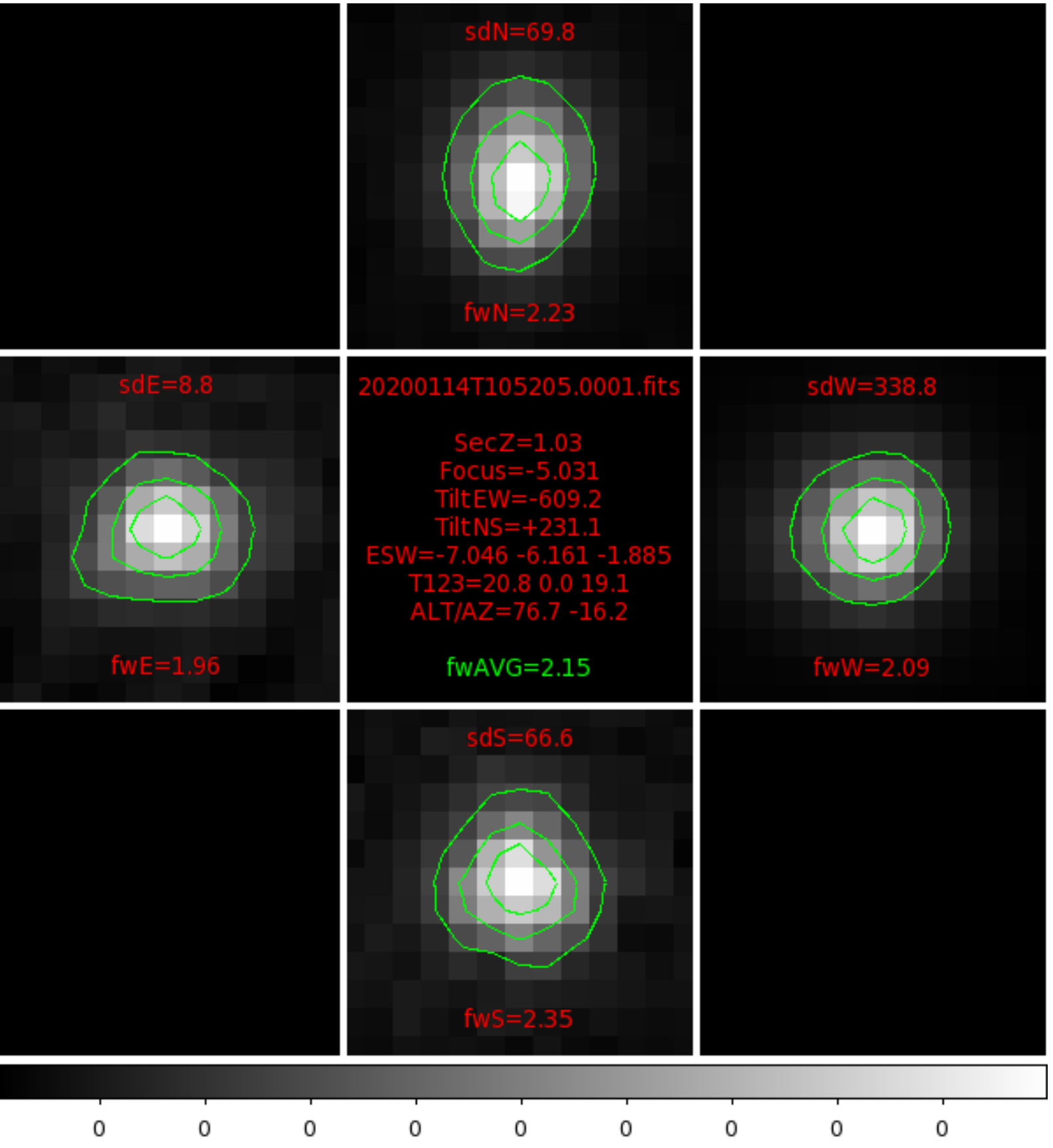
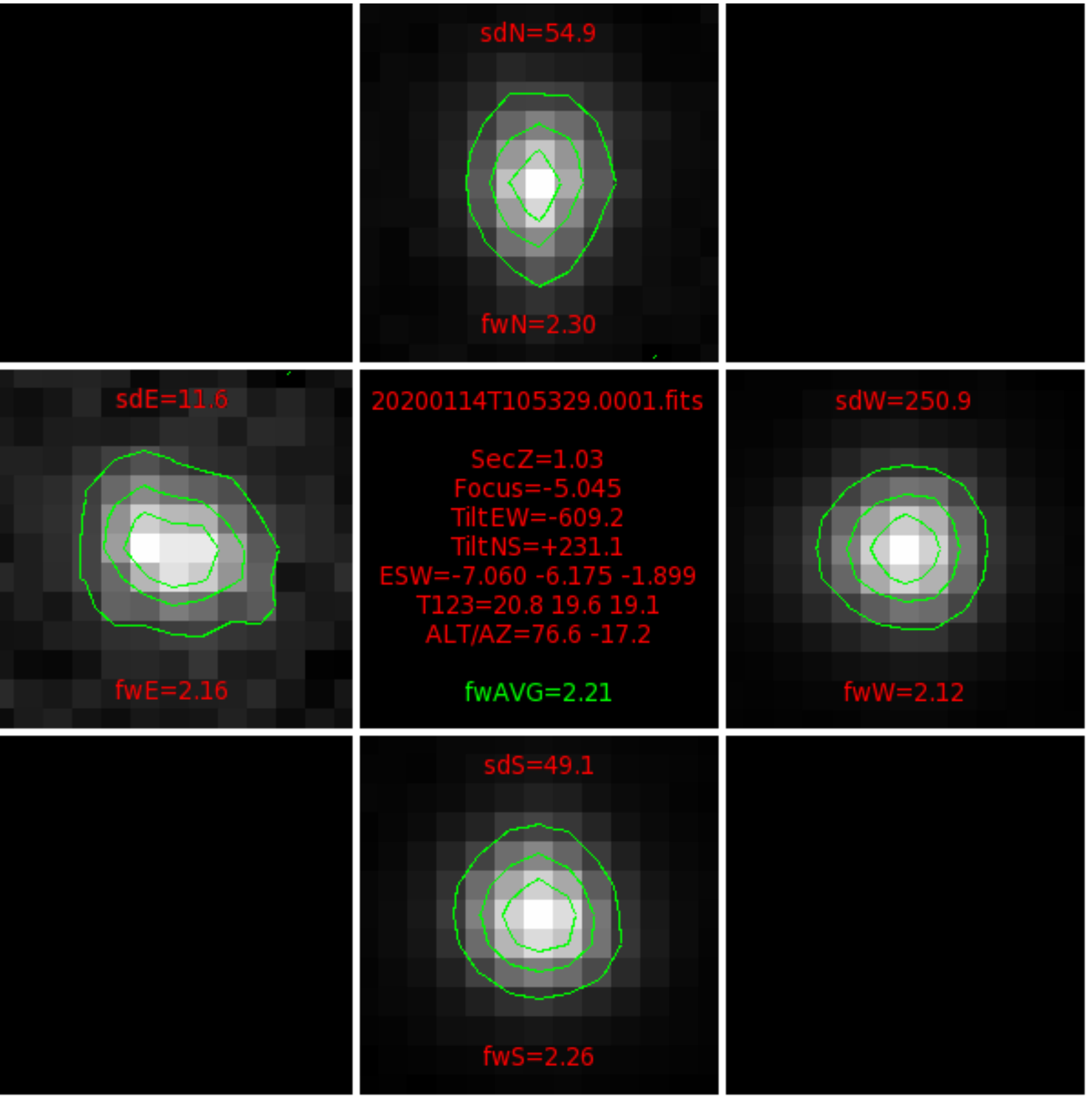

sdN=205.1
fwN=1.71
sdE=40.4
fwE=1.80
20200114T105130.0001.fits
SecZ=1.03
Focus=-5.031
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.046 -6.161 -1.885
T123=20.8 0.0 19.1
ALT/AZ=76.7 -15.8
fwAVG=1.78
sdW=19.5
fwW=1.63
sdS=19.7
fwS=1.97
0 0 0 0 0 0 0 0 0


sdN=69.8
fwN=2.23
sdE=8.8
fwE=1.96
20200114T105205.0001.fits
SecZ=1.03
Focus=-5.031
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.046 -6.161 -1.885
T123=20.8 0.0 19.1
ALT/AZ=76.7 -16.2
fwAVG=2.15
sdW=338.8
fwW=2.09
sdS=66.6
fwS=2.35
0 0 0 0 0 0 0 0 0


sdN=54.9
fwN=2.30
sdE=11.6
fwE=2.16
20200114T105329.0001.fits
SecZ=1.03
Focus=-5.045
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.060 -6.175 -1.899
T123=20.8 19.6 19.1
ALT/AZ=76.6 -17.2
fwAVG=2.21
sdW=250.9
fwW=2.12
sdS=49.1
fwS=2.26
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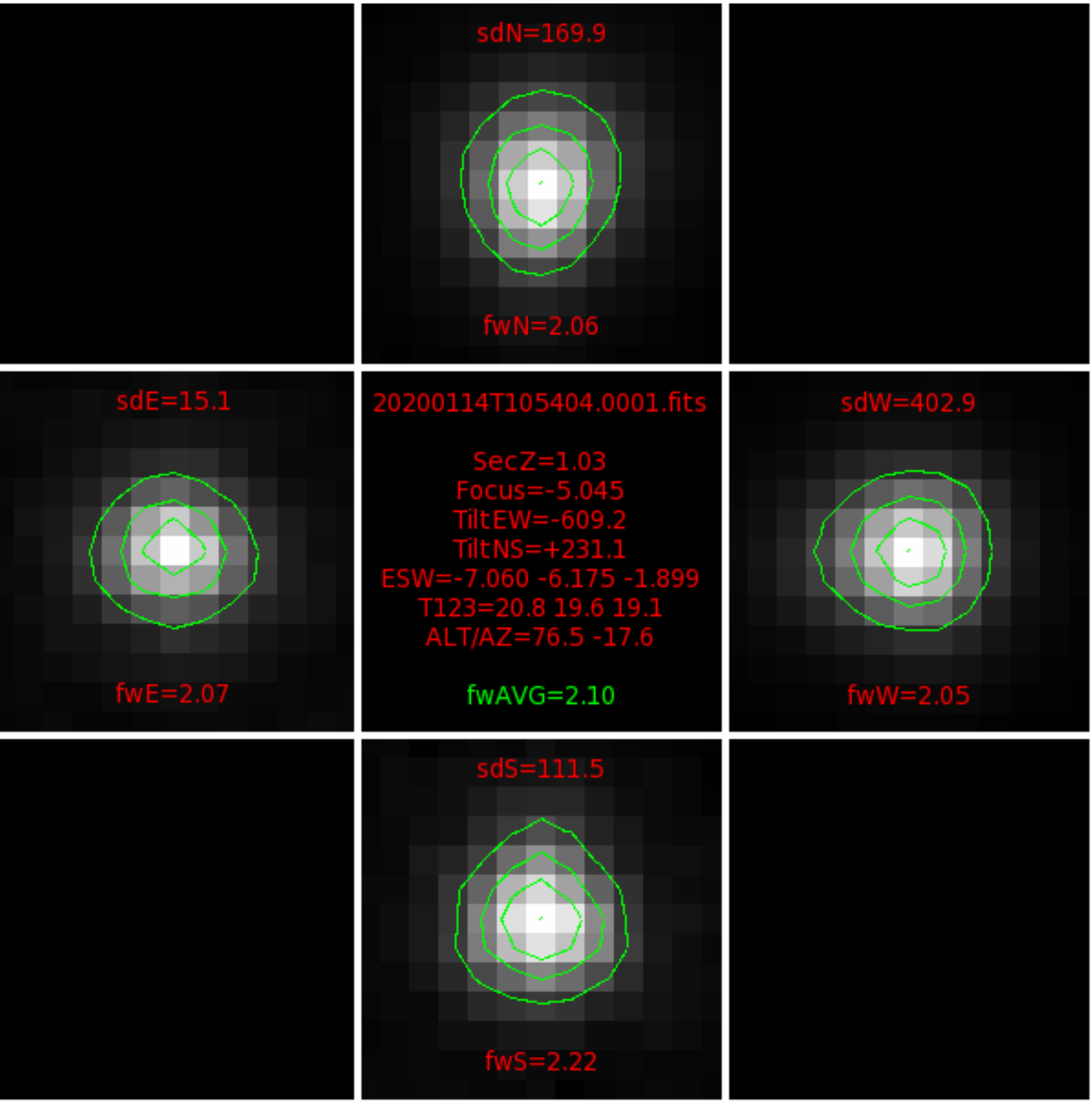
sdN=169.9
fwN=2.06
sdE=15.1
fwE=2.07
20200114T105404.0001.fits
SecZ=1.03
Focus=-5.045
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.060 -6.175 -1.899
T123=20.8 19.6 19.1
ALT/AZ=76.5 -17.6
fwAVG=2.10
sdW=402.9
fwW=2.05
sdS=111.5
fwS=2.22
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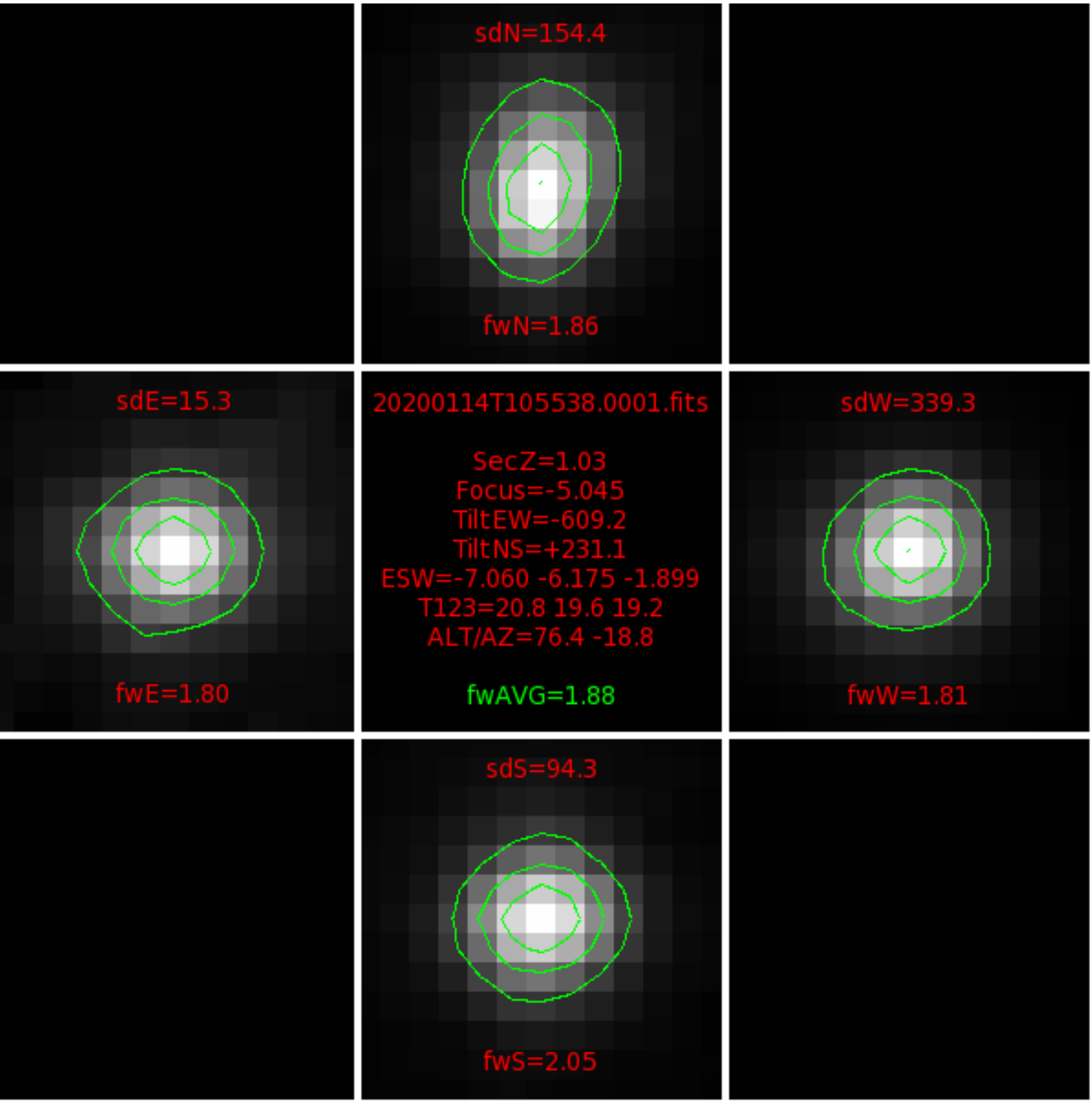
sdN=154.4
fwN=1.86
sdE=15.3
fwE=1.80
20200114T105538.0001.fits
SecZ=1.03
Focus=-5.045
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.060 -6.175 -1.899
T123=20.8 19.6 19.2
ALT/AZ=76.4 -18.8
fwAVG=1.88
sdW=339.3
fwW=1.81
sdS=94.3
fwS=2.05
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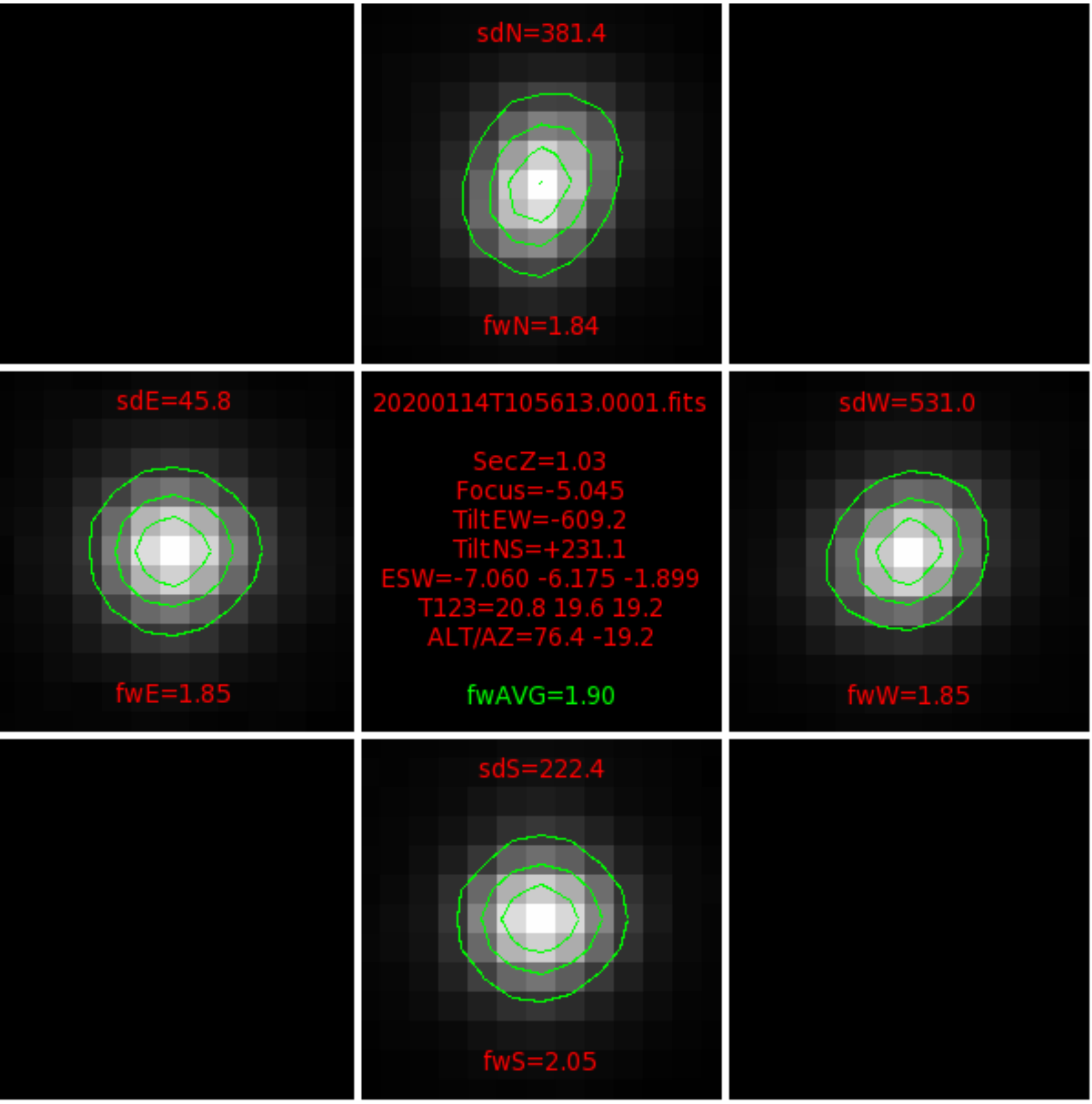
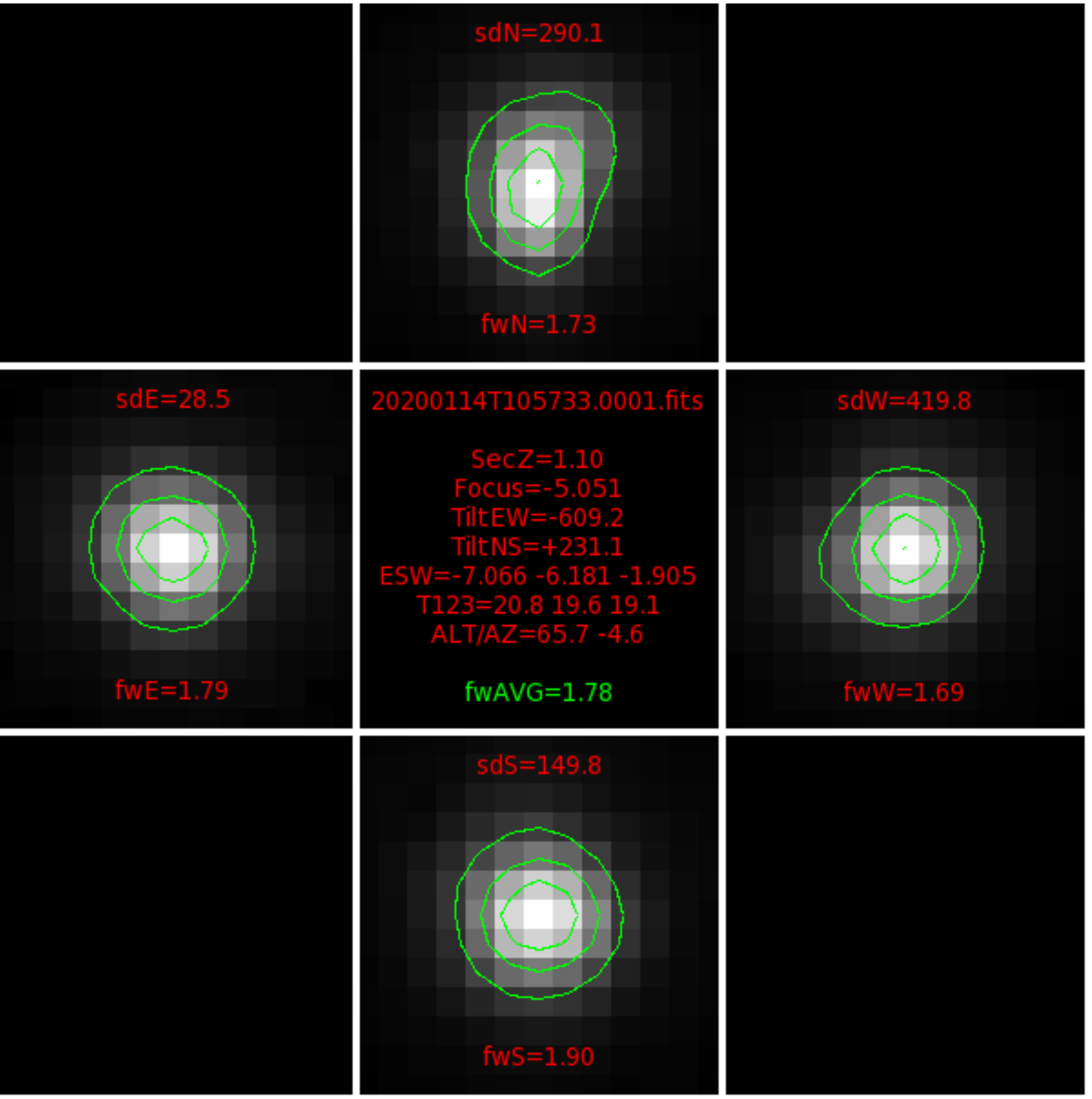

sdN=381.4
fwN=1.84
sdE=45.8
fwE=1.85
20200114T105613.0001.fits
SecZ=1.03
Focus=-5.045
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.060 -6.175 -1.899
T123=20.8 19.6 19.2
ALT/AZ=76.4 -19.2
fwAVG=1.90
sdW=531.0
fwW=1.85
sdS=222.4
fwS=2.05
0 0 0 0 0 0 0 0 0


sdN=290.1
fwN=1.73
sdE=28.5
fwE=1.79
20200114T105733.0001.fits
SecZ=1.10
Focus=-5.051
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.066 -6.181 -1.905
T123=20.8 19.6 19.1
ALT/AZ=65.7 -4.6
fwAVG=1.78
sdW=419.8
fwW=1.69
sdS=149.8
fwS=1.90
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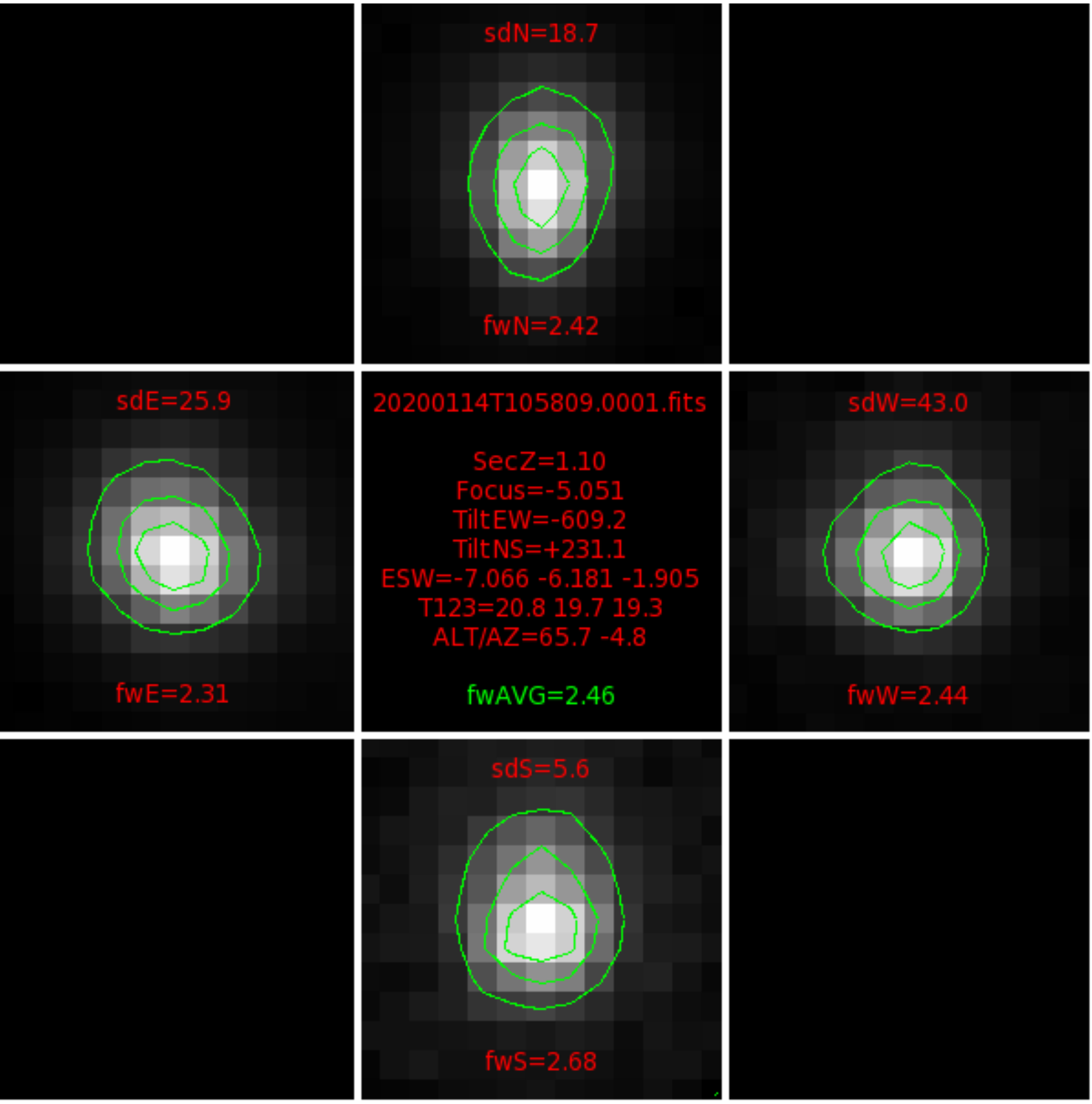
sdN=18.7
fwN=2.42
sdE=25.9
fwE=2.31
20200114T105809.0001.fits
SecZ=1.10
Focus=-5.051
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.066 -6.181 -1.905
T123=20.8 19.7 19.3
ALT/AZ=65.7 -4.8
fwAVG=2.46
sdW=43.0
fwW=2.44
sdS=5.6
fwS=2.68
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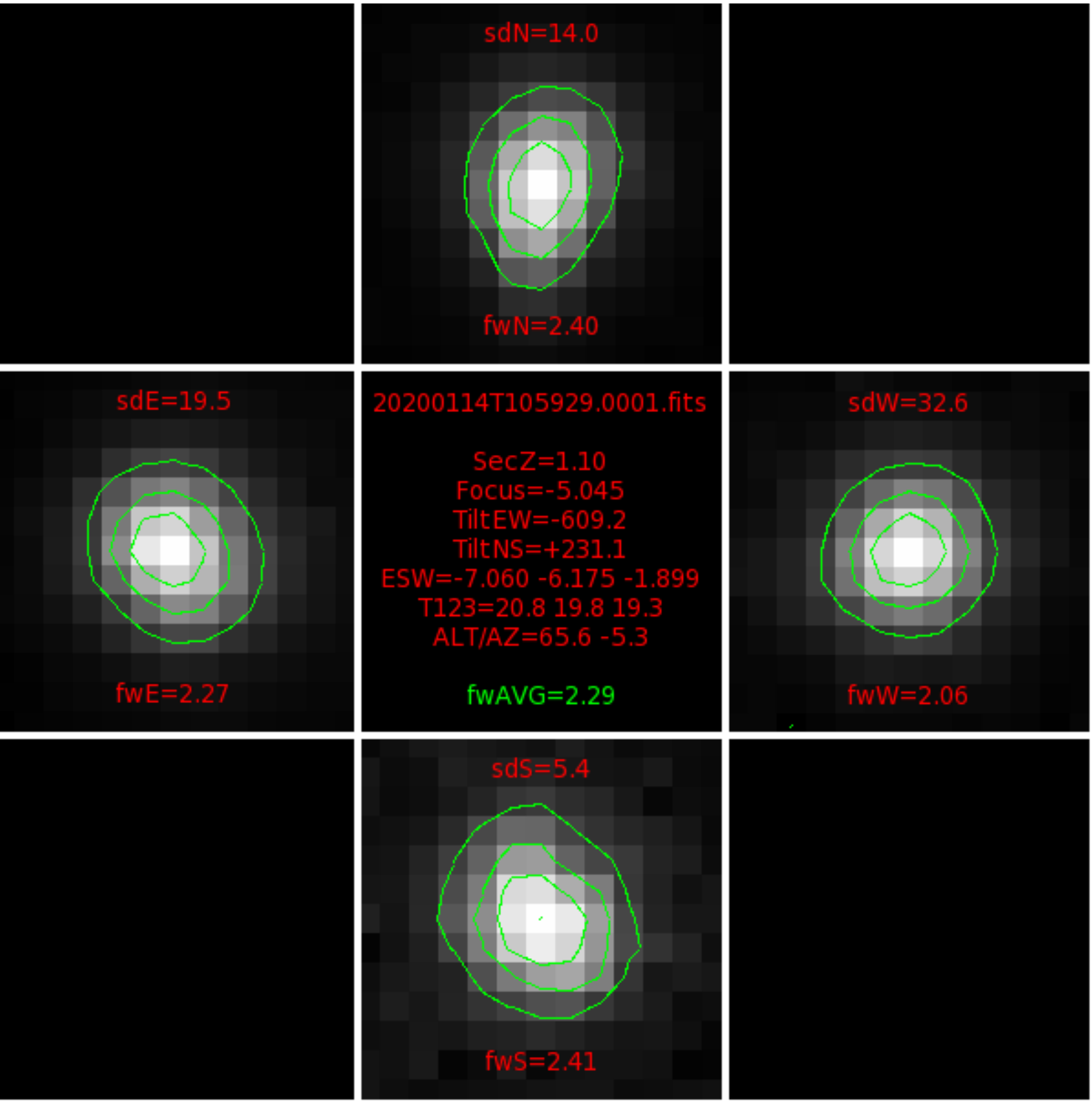
sdN=14.0
fwN=2.40
sdE=19.5
fwE=2.27
20200114T105929.0001.fits
SecZ=1.10
Focus=-5.045
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.060 -6.175 -1.899
T123=20.8 19.8 19.3
ALT/AZ=65.6 -5.3
fwAVG=2.29
sdW=32.6
fwW=2.06
sdS=5.4
fwS=2.41
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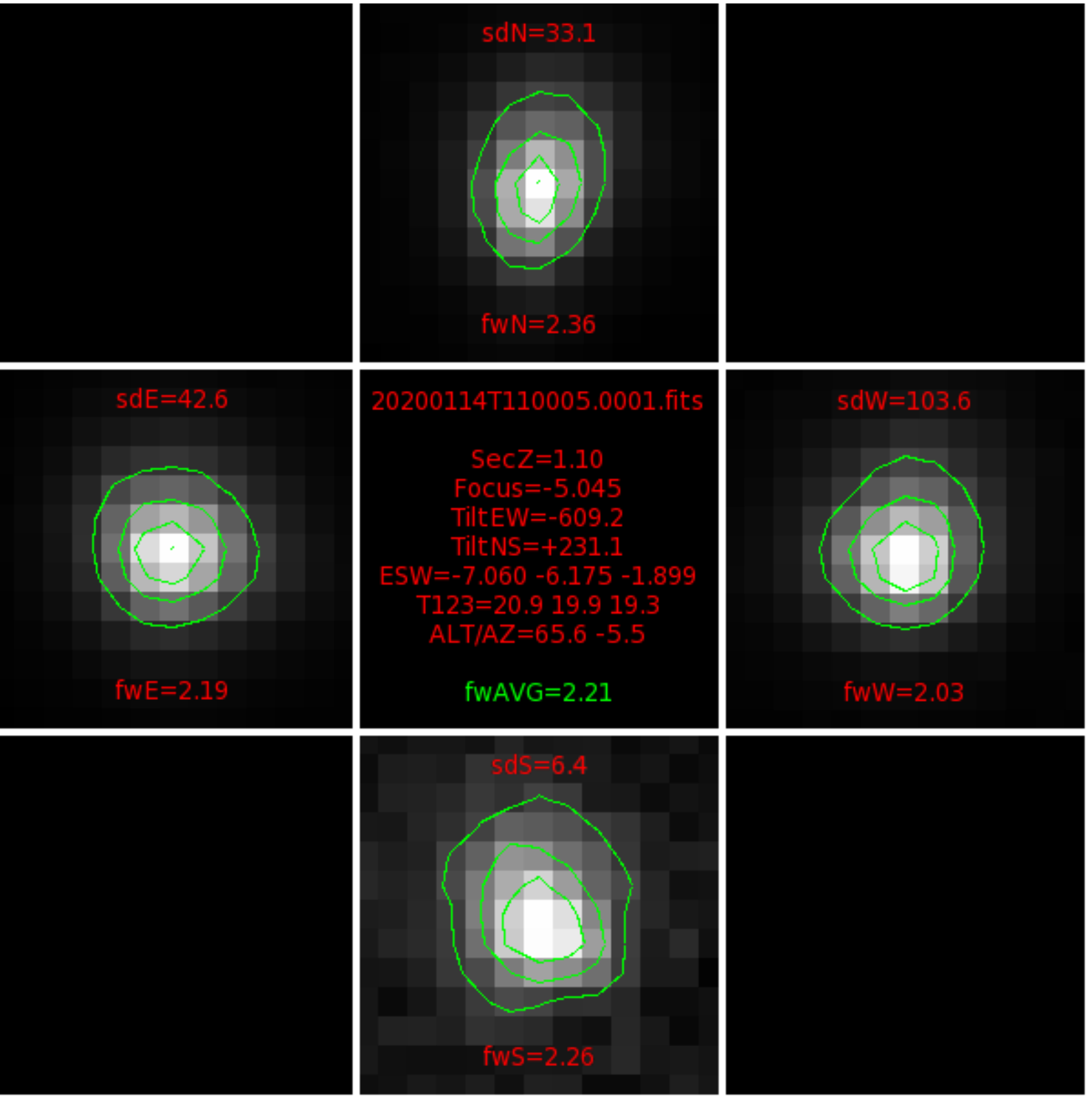
sdN=33.1
fwN=2.36
sdE=42.6
fwE=2.19
20200114T110005.0001.fits
SecZ=1.10
Focus=-5.045
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.060 -6.175 -1.899
T123=20.9 19.9 19.3
ALT/AZ=65.6 -5.5
fwAVG=2.21
sdW=103.6
fwW=2.03
sdS=6.4
fwS=2.26
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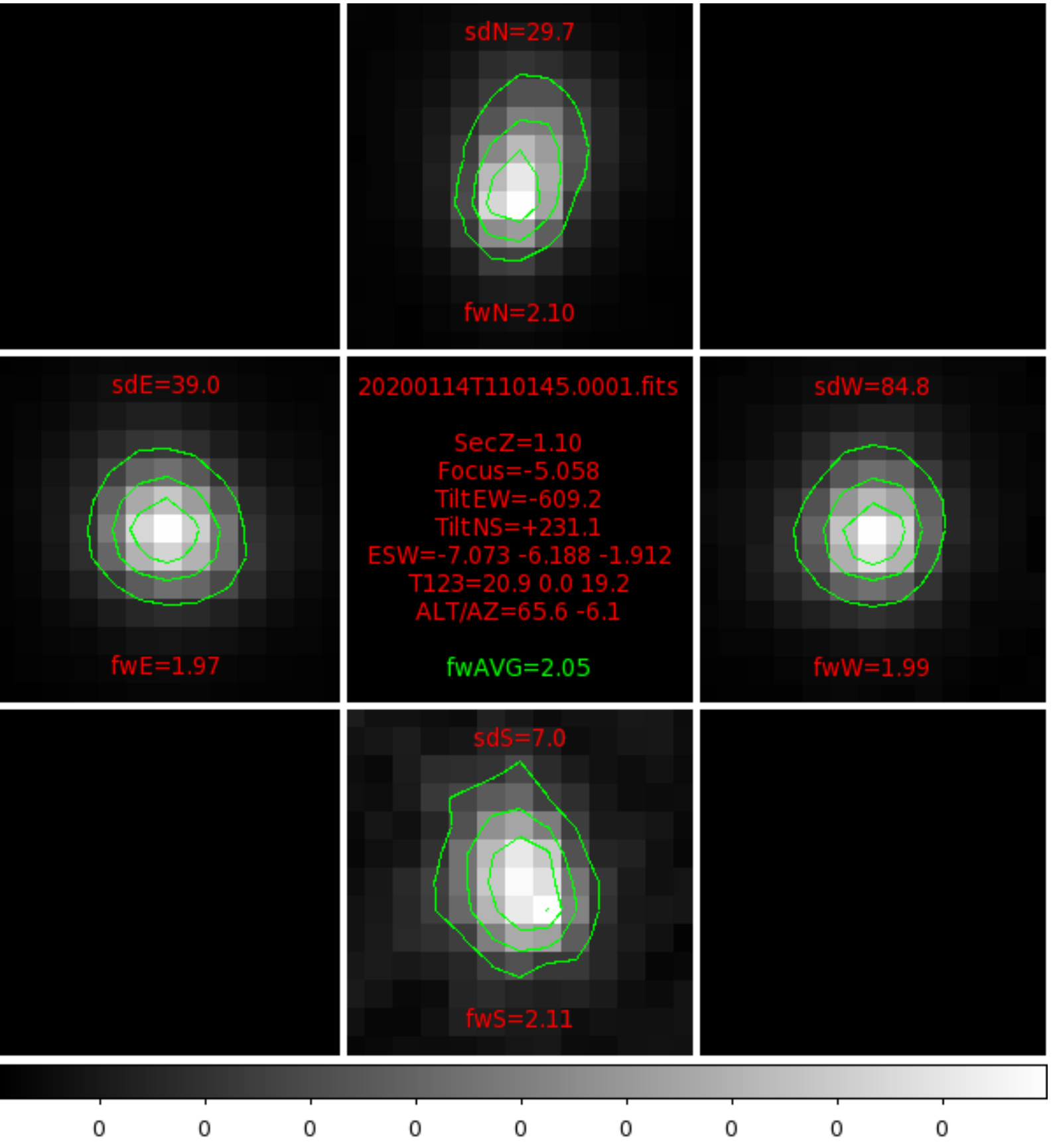
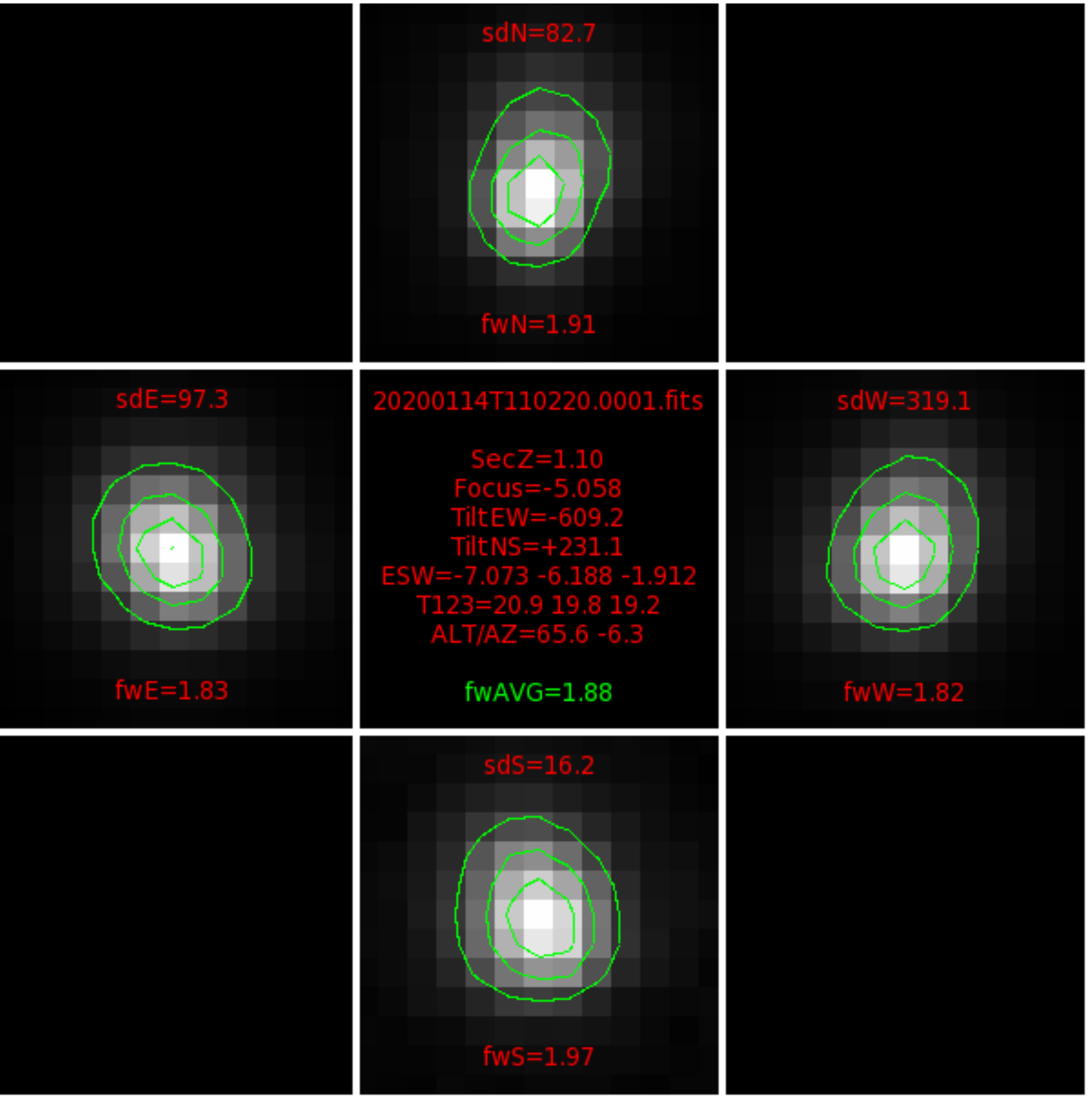

sdN=29.7
fwN=2.10
sdE=39.0
fwE=1.97
20200114T110145.0001.fits
SecZ=1.10
Focus=-5.058
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.073 -6.188 -1.912
T123=20.9 0.0 19.2
ALT/AZ=65.6 -6.1
fwAVG=2.05
sdW=84.8
fwW=1.99
sdS=7.0
fwS=2.11
0 0 0 0 0 0 0 0 0


sdN=82.7
fwN=1.91
sdE=97.3
fwE=1.83
20200114T110220.0001.fits
SecZ=1.10
Focus=-5.058
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.073 -6.188 -1.912
T123=20.9 19.8 19.2
ALT/AZ=65.6 -6.3
fwAVG=1.88
sdW=319.1
fwW=1.82
sdS=16.2
fwS=1.97
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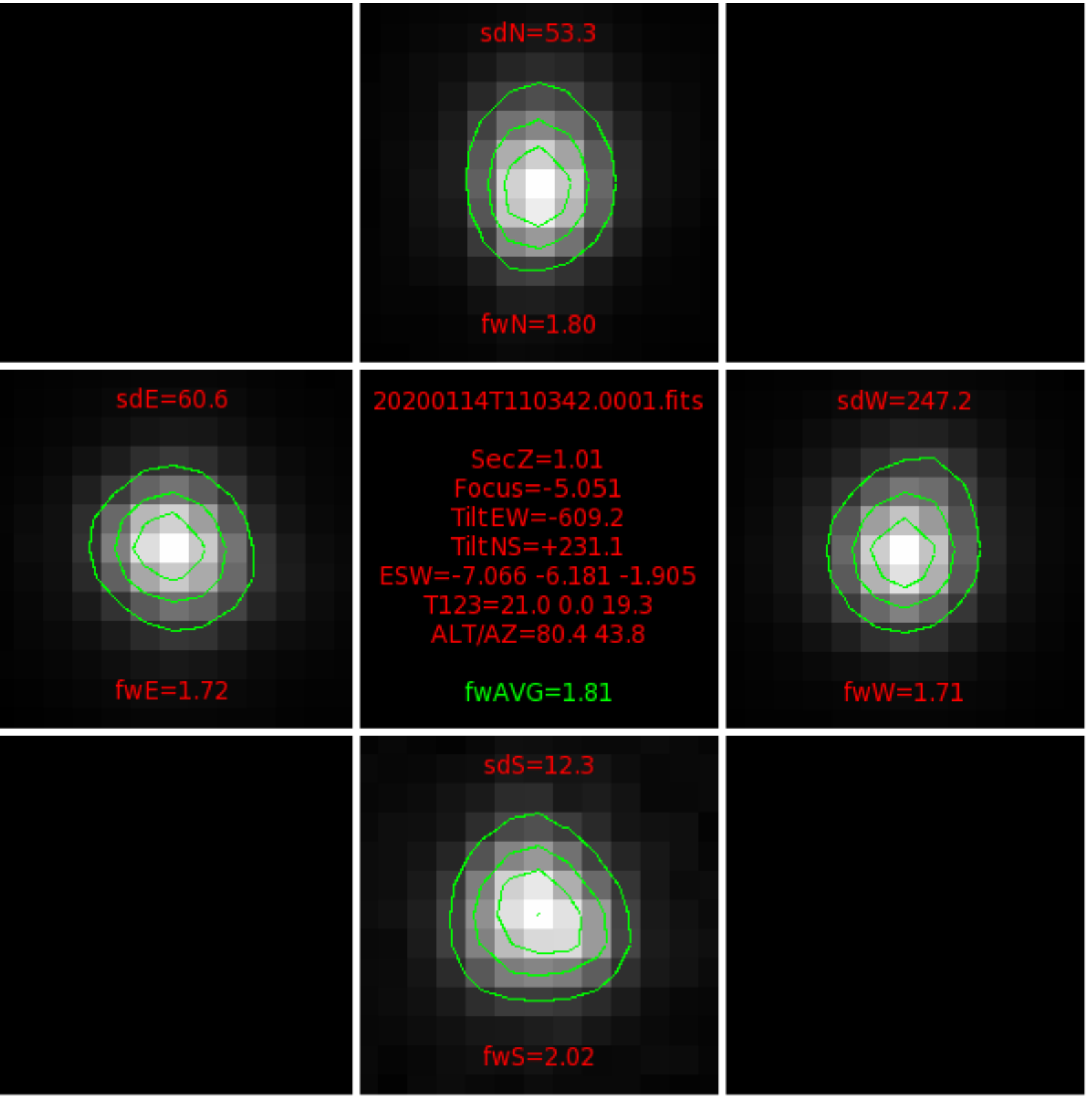
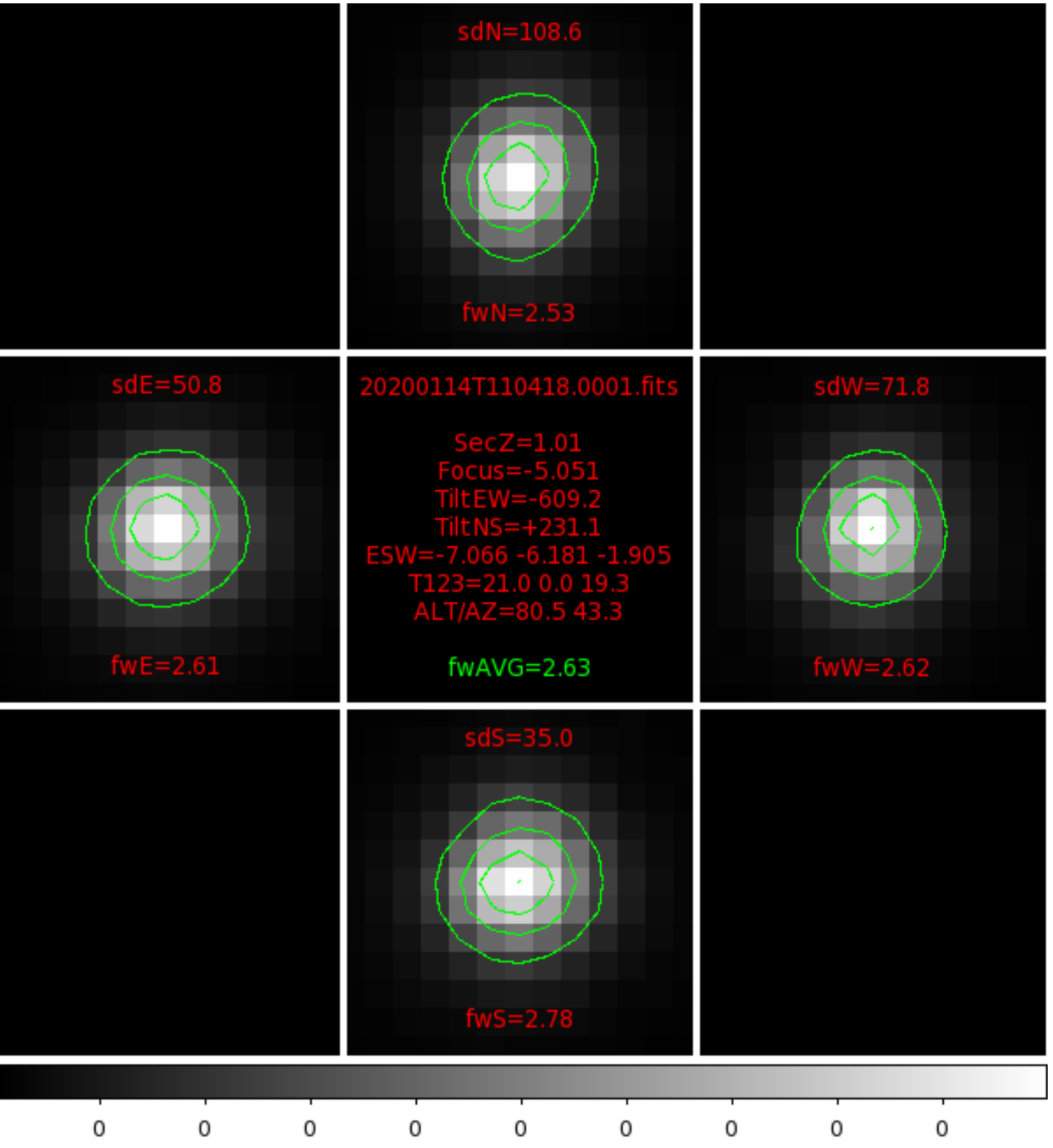
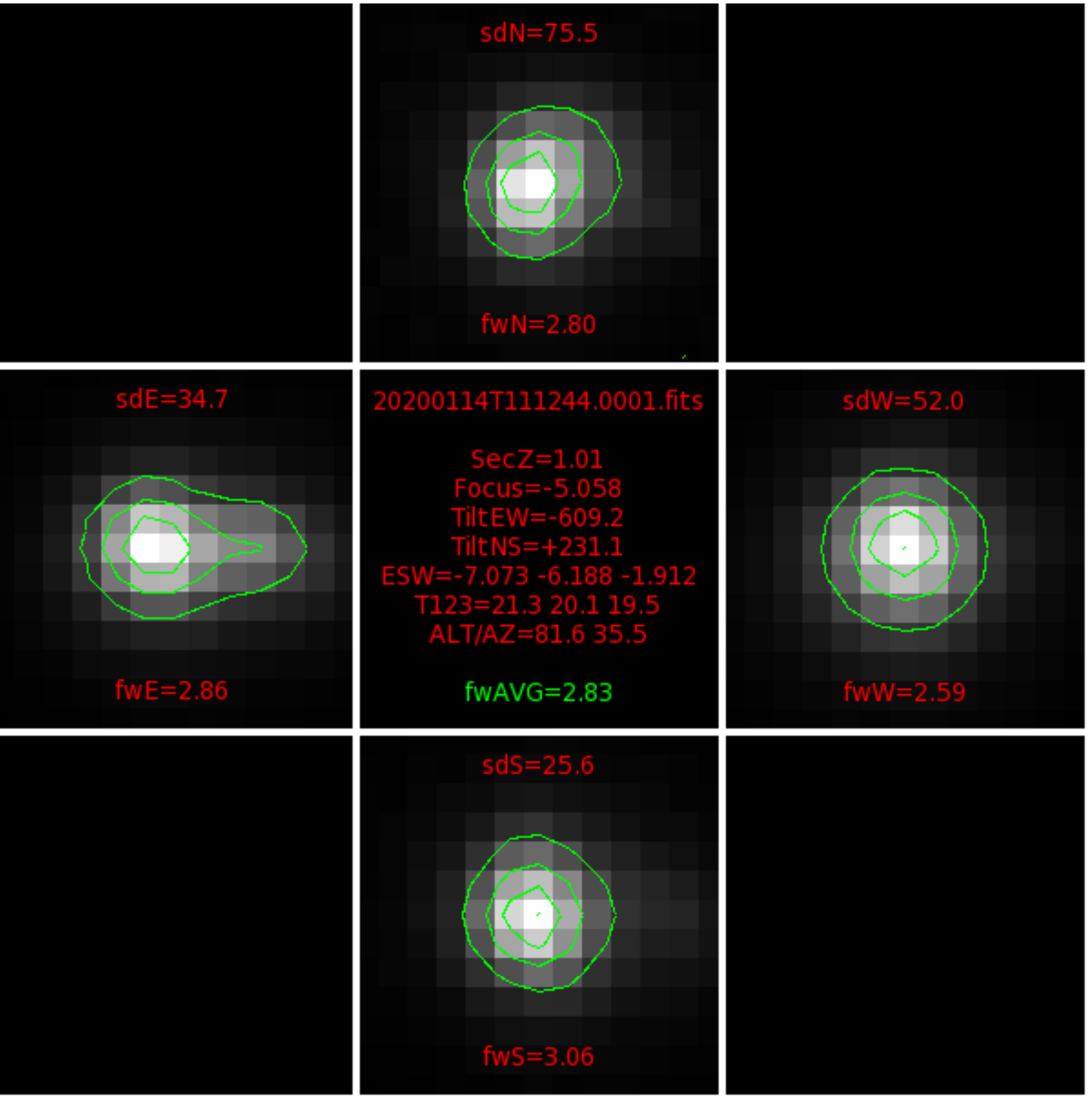
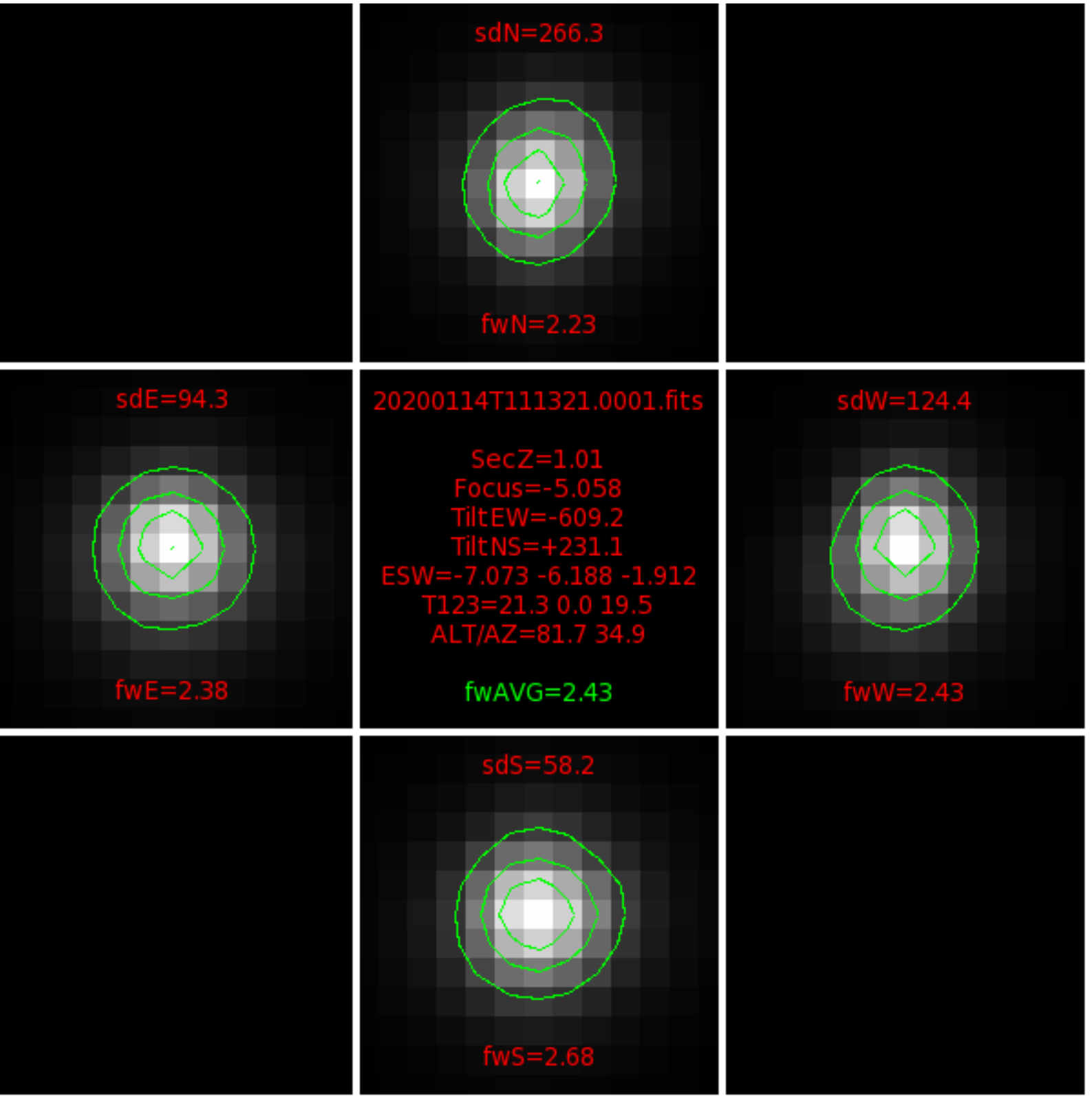

sdN=53.3
fwN=1.80
sdE=60.6
fwE=1.72
20200114T110342.0001.fits
SecZ=1.01
Focus=-5.051
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.066 -6.181 -1.905
T123=21.0 0.0 19.3
ALT/AZ=80.4 43.8
fwAVG=1.81
sdW=247.2
fwW=1.71
sdS=12.3
fwS=2.02
0 0 0 0 0 0 0 0 0


sdN=108.6
fwN=2.53
sdE=50.8
fwE=2.61
20200114T110418.0001.fits
SecZ=1.01
Focus=-5.051
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.066 -6.181 -1.905
T123=21.0 0.0 19.3
ALT/AZ=80.5 43.3
fwAVG=2.63
sdW=71.8
fwW=2.62
sdS=35.0
fwS=2.78
0 0 0 0 0 0 0 0 0


sdN=75.5
fwN=2.80
sdE=34.7
fwE=2.86
20200114T111244.0001.fits
SecZ=1.01
Focus=-5.058
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.073 -6.188 -1.912
T123=21.3 20.1 19.5
ALT/AZ=81.6 35.5
fwAVG=2.83
sdW=52.0
fwW=2.59
sdS=25.6
fwS=3.06
0 0 0 0 0 0 0 0 0


sdN=266.3
fwN=2.23
sdE=94.3
fwE=2.38
20200114T111321.0001.fits
SecZ=1.01
Focus=-5.058
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.073 -6.188 -1.912
T123=21.3 0.0 19.5
ALT/AZ=81.7 34.9
fwAVG=2.43
sdW=124.4
fwW=2.43
sdS=58.2
fwS=2.68
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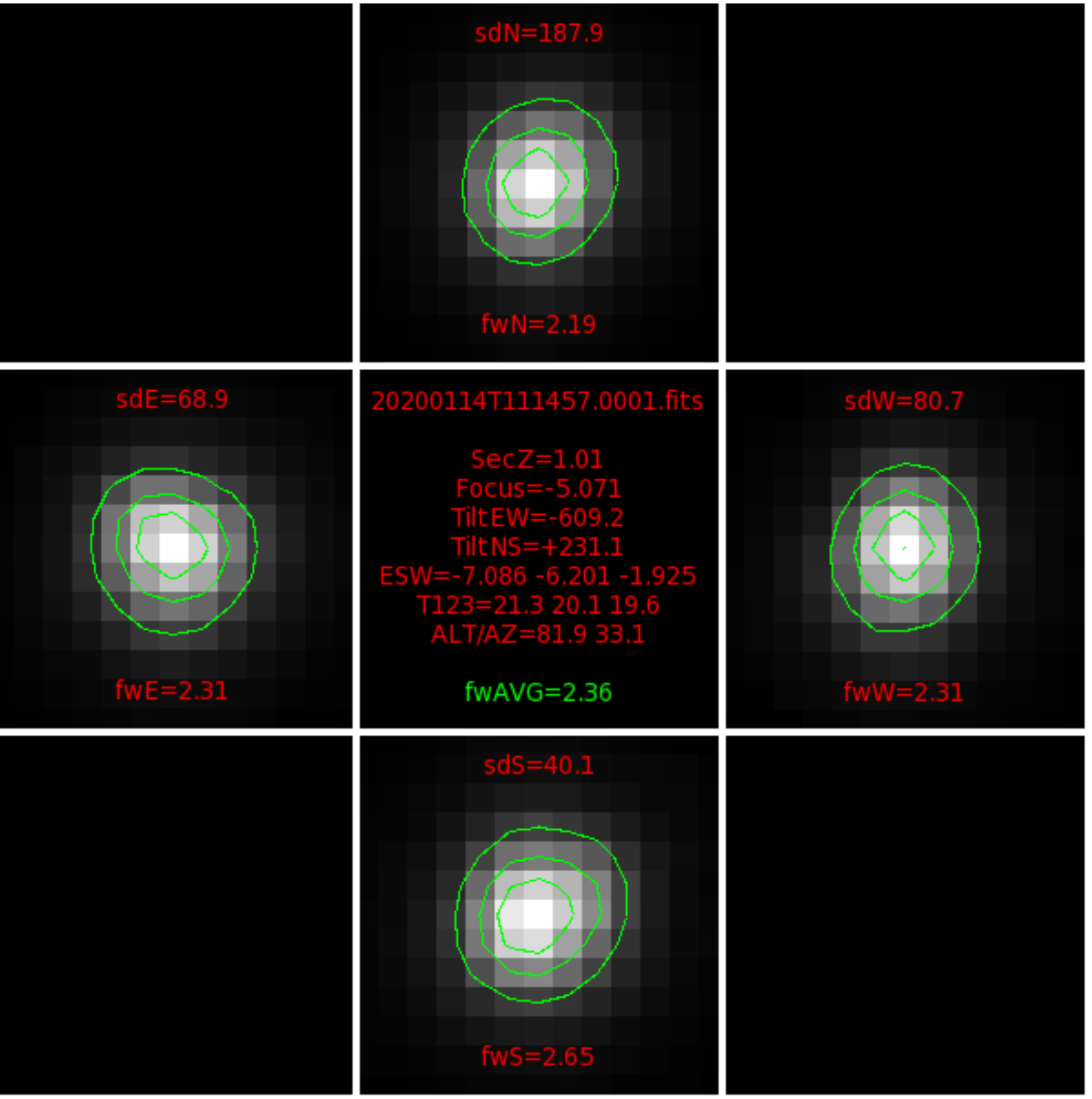
sdN=187.9
fwN=2.19
sdE=68.9
fwE=2.31
20200114T111457.0001.fits
SecZ=1.01
Focus=-5.071
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.086 -6.201 -1.925
T123=21.3 20.1 19.6
ALT/AZ=81.9 33.1
fwAVG=2.36
sdW=80.7
fwW=2.31
sdS=40.1
fwS=2.65
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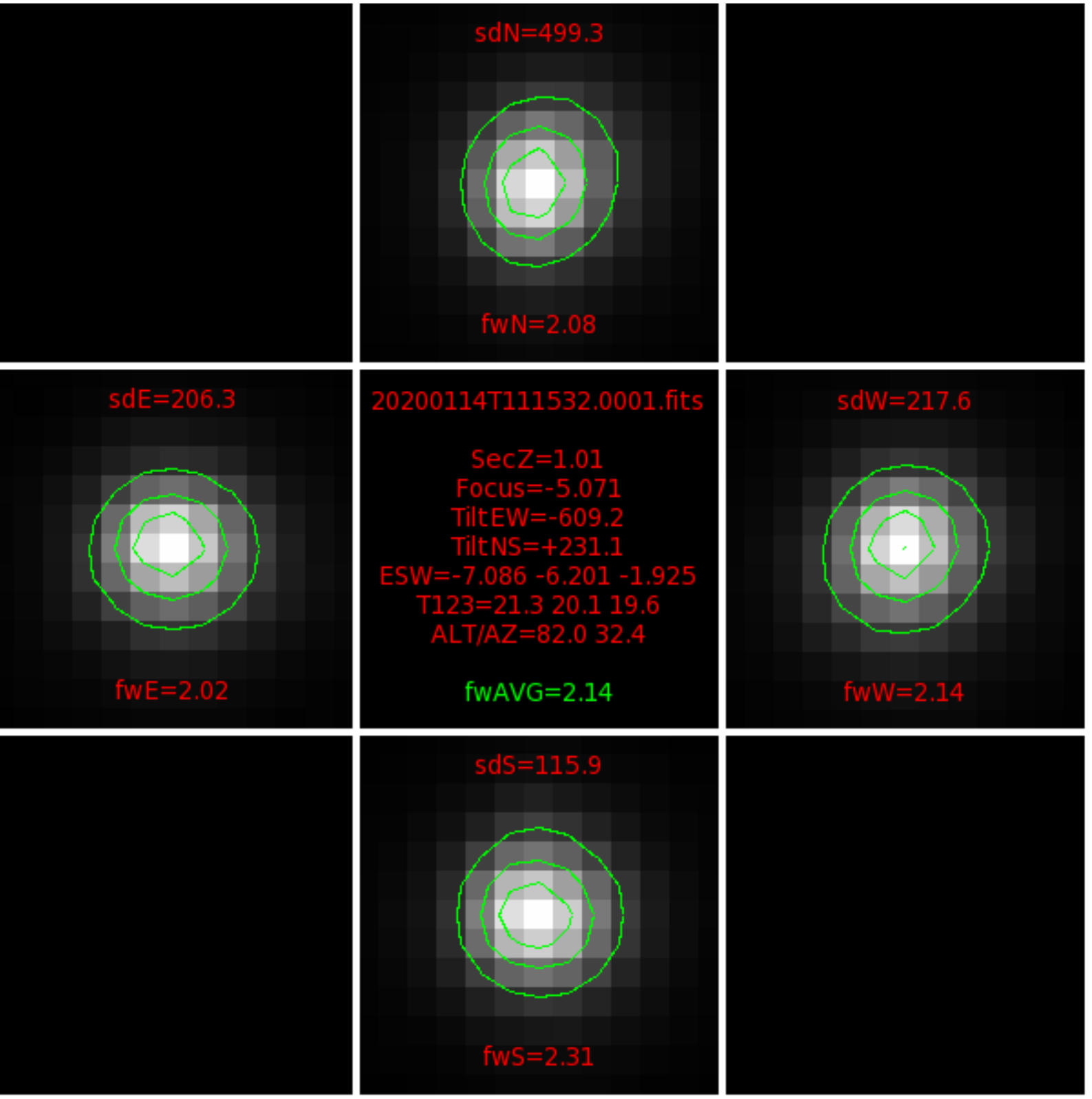
sdN=499.3
fwN=2.08
sdE=206.3
fwE=2.02
20200114T111532.0001.fits
SecZ=1.01
Focus=-5.071
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.086 -6.201 -1.925
T123=21.3 20.1 19.6
ALT/AZ=82.0 32.4
fwAVG=2.14
sdW=217.6
fwW=2.14
sdS=115.9
fwS=2.31
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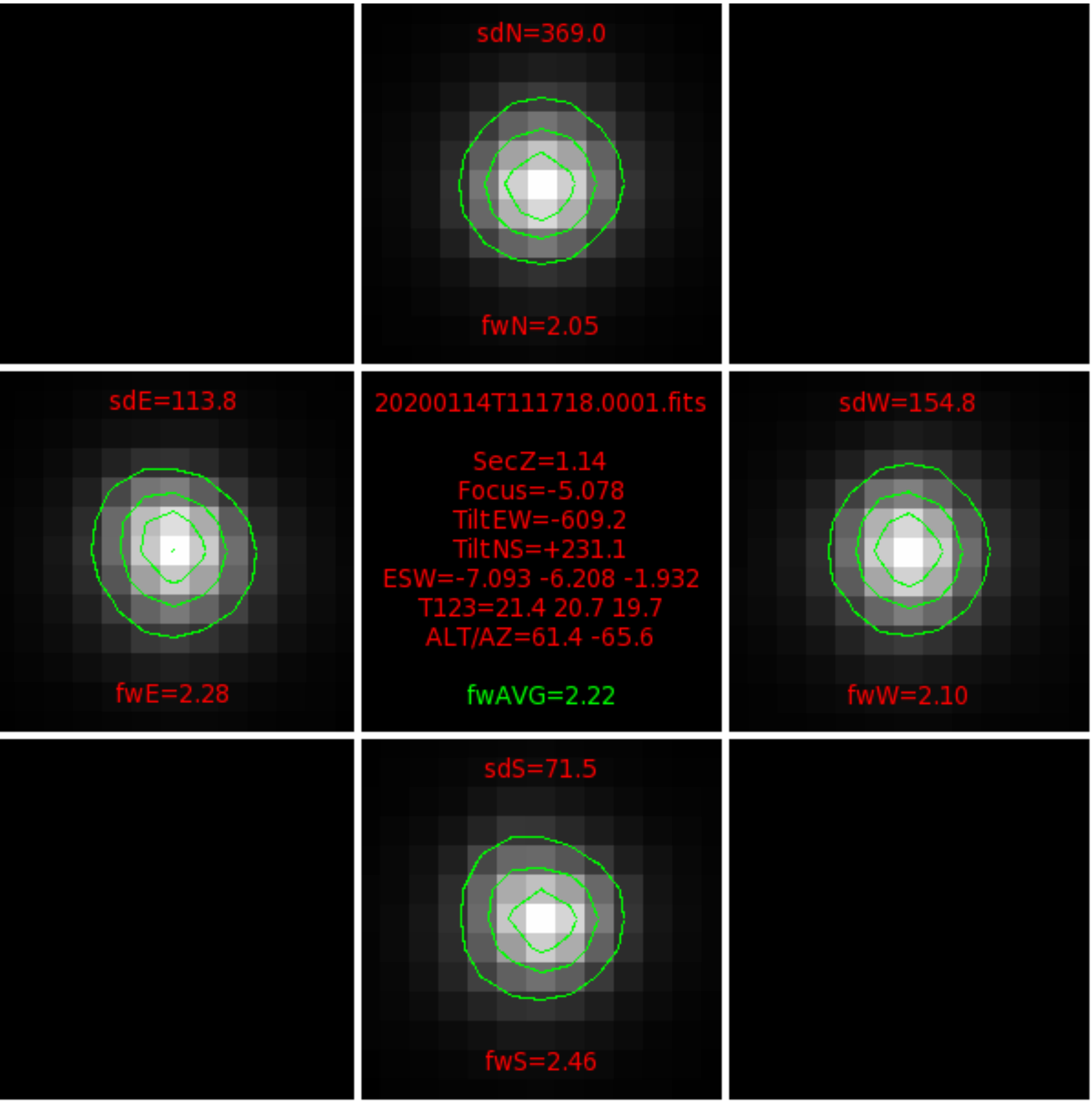
sdN=369.0
fwN=2.05
sdE=113.8
fwE=2.28
20200114T111718.0001.fits
SecZ=1.14
Focus=-5.078
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.093 -6.208 -1.932
T123=21.4 20.7 19.7
ALT/AZ=61.4 -65.6
fwAVG=2.22
sdW=154.8
fwW=2.10
sdS=71.5
fwS=2.46
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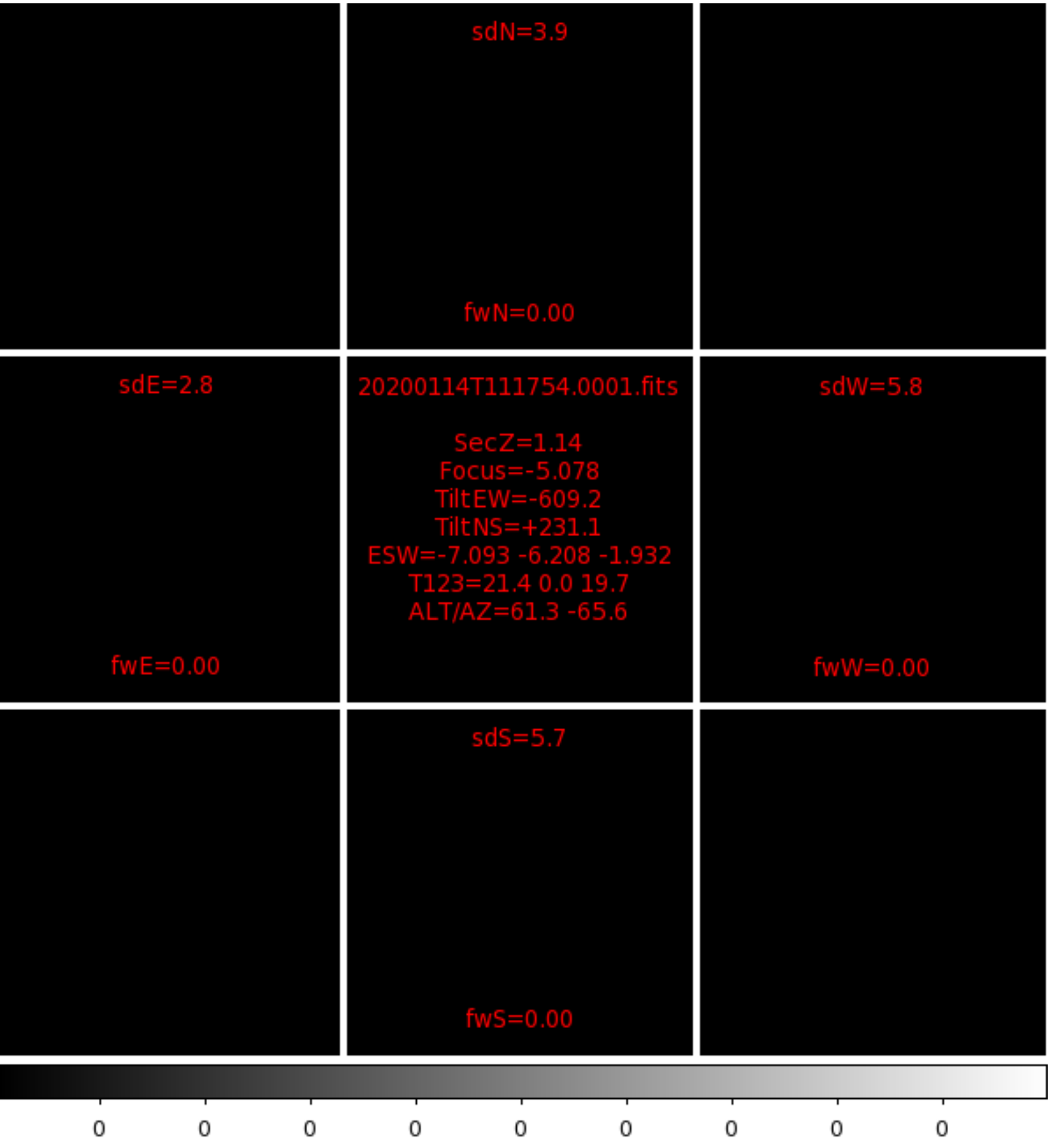
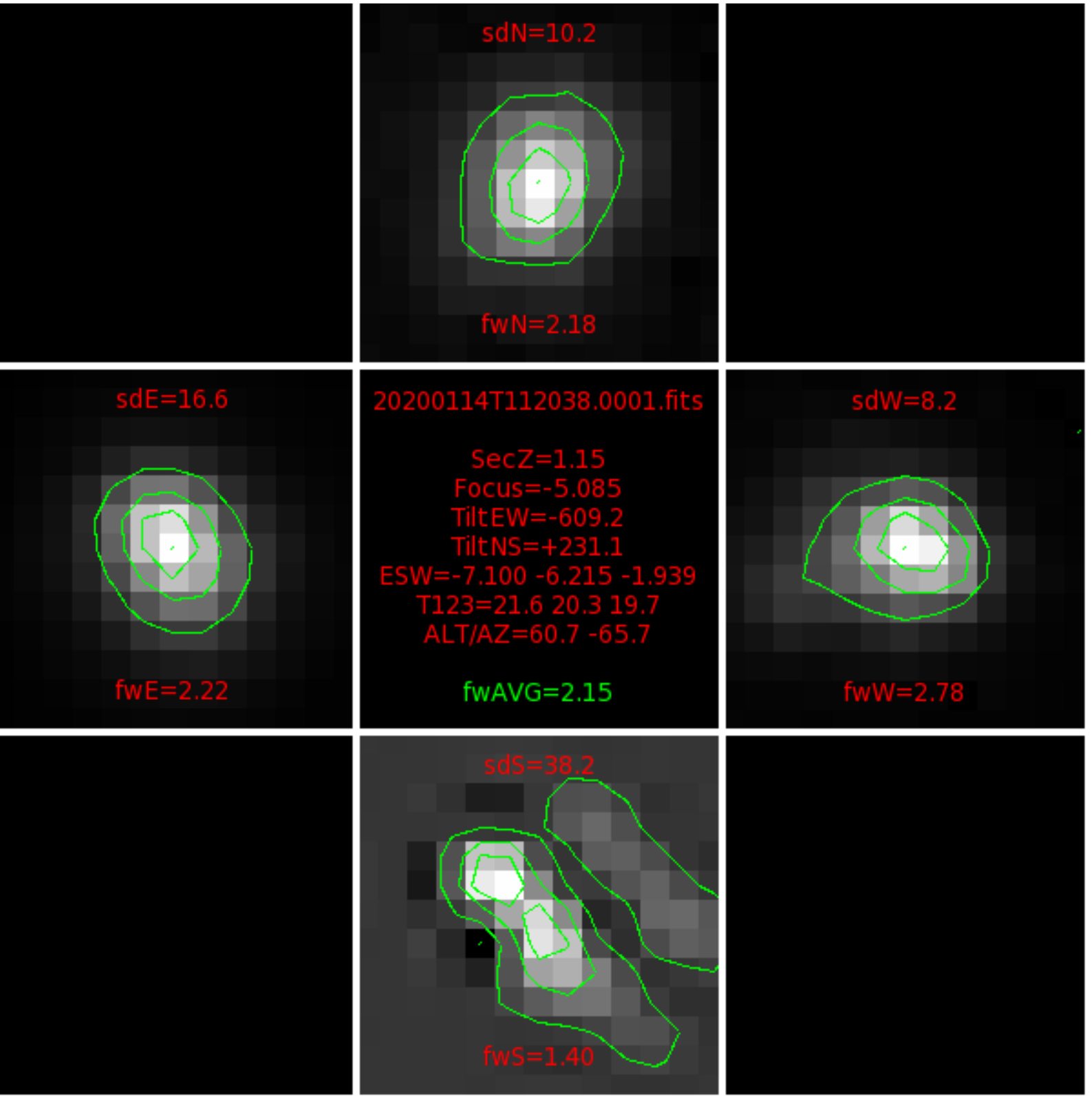

sdN=3.9
fwN=0.00
sdE=2.8
20200114T111754.0001.fits
SecZ=1.14
Focus=-5.078
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.093 -6.208 -1.932
T123=21.4 0.0 19.7
ALT/AZ=61.3 -65.6
sdW=5.8
fwE=0.00
fwW=0.00
sdS=5.7
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=10.2
fwN=2.18
sdE=16.6
fwE=2.22
20200114T112038.0001.fits
SecZ=1.15
Focus=-5.085
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.100 -6.215 -1.939
T123=21.6 20.3 19.7
ALT/AZ=60.7 -65.7
fwAVG=2.15
sdW=8.2
fwW=2.78
sdS=38.2
fwS=1.40
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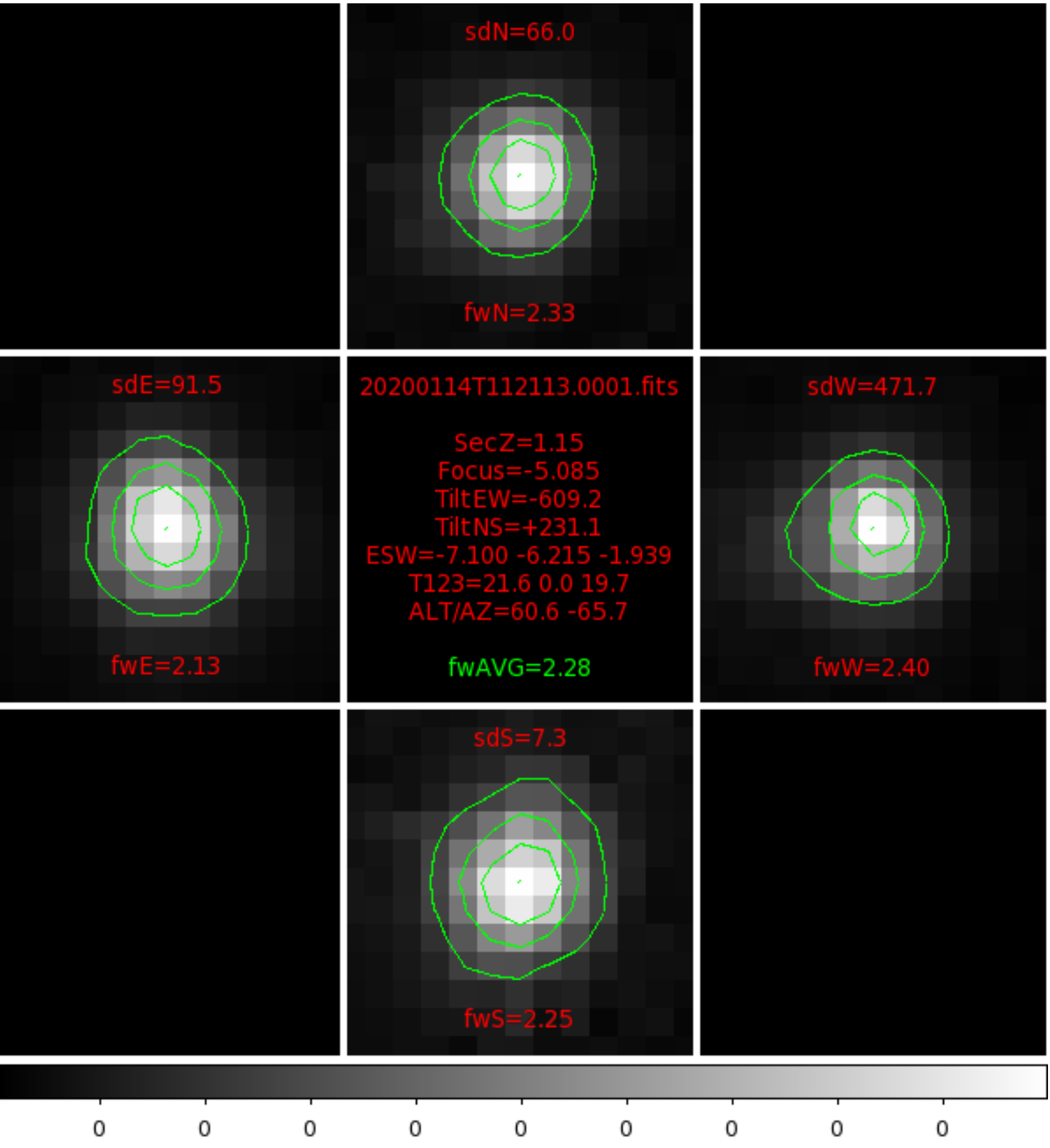
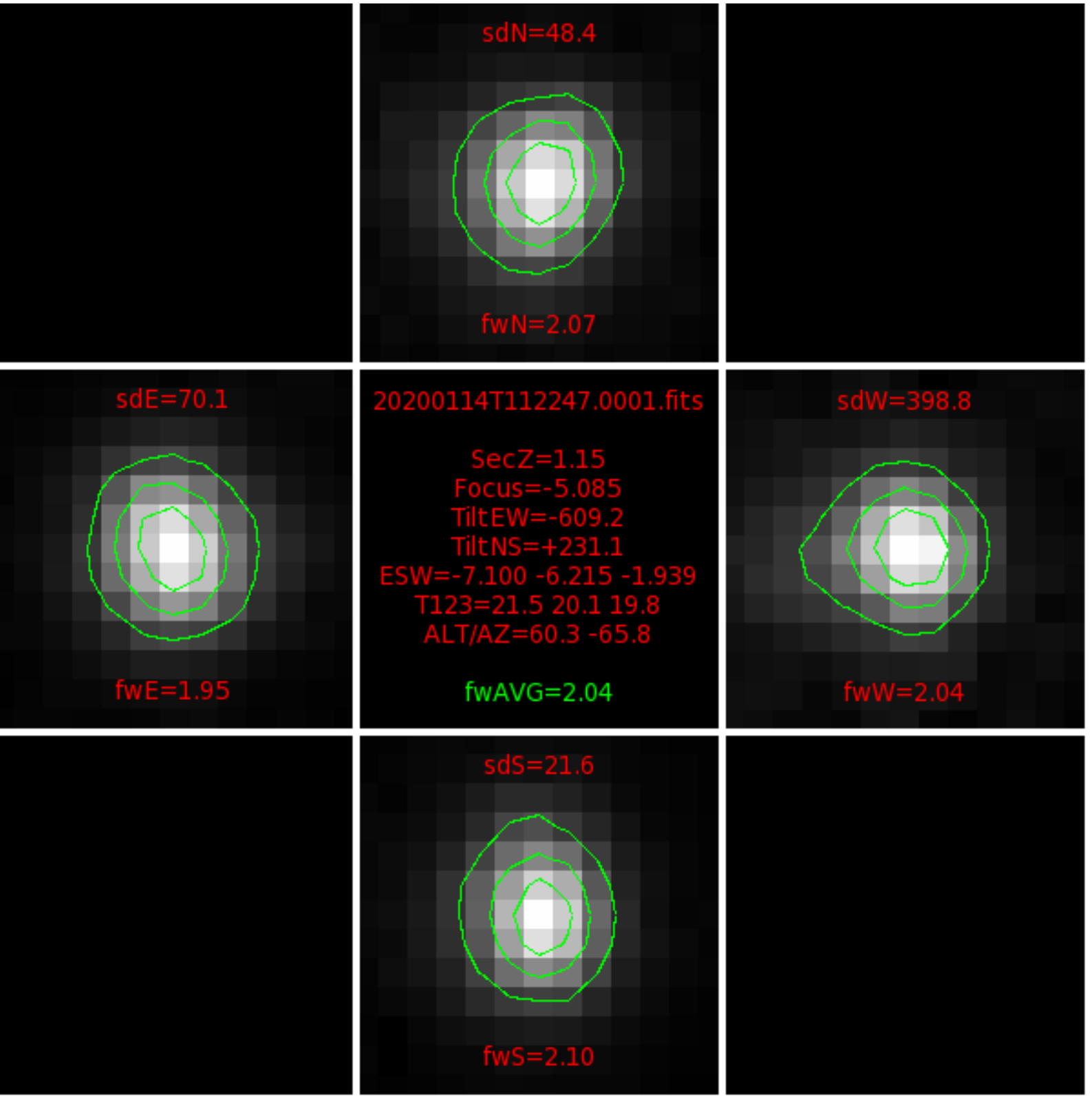
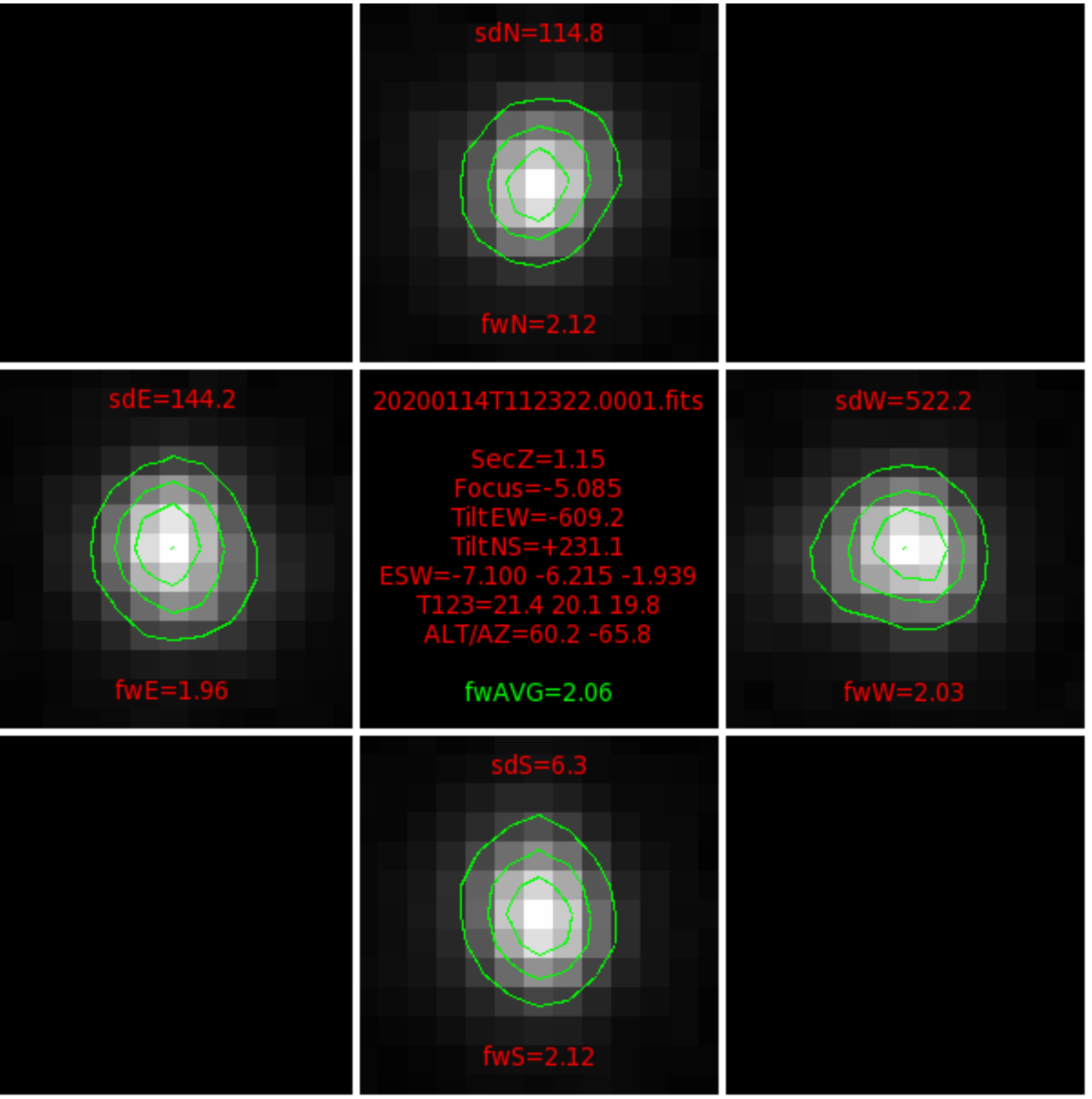

sdN=66.0
fwN=2.33
sdE=91.5
fwE=2.13
20200114T112113.0001.fits
SecZ=1.15
Focus=-5.085
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.100 -6.215 -1.939
T123=21.6 0.0 19.7
ALT/AZ=60.6 -65.7
fwAVG=2.28
sdW=471.7
fwW=2.40
sdS=7.3
fwS=2.25
0 0 0 0 0 0 0 0 0


sdN=48.4
fwN=2.07
sdE=70.1
fwE=1.95
20200114T112247.0001.fits
SecZ=1.15
Focus=-5.085
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.100 -6.215 -1.939
T123=21.5 20.1 19.8
ALT/AZ=60.3 -65.8
fwAVG=2.04
sdW=398.8
fwW=2.04
sdS=21.6
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=114.8
fwN=2.12
sdE=144.2
fwE=1.96
20200114T112322.0001.fits
SecZ=1.15
Focus=-5.085
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.100 -6.215 -1.939
T123=21.4 20.1 19.8
ALT/AZ=60.2 -65.8
fwAVG=2.06
sdW=522.2
fwW=2.03
sdS=6.3
fwS=2.12
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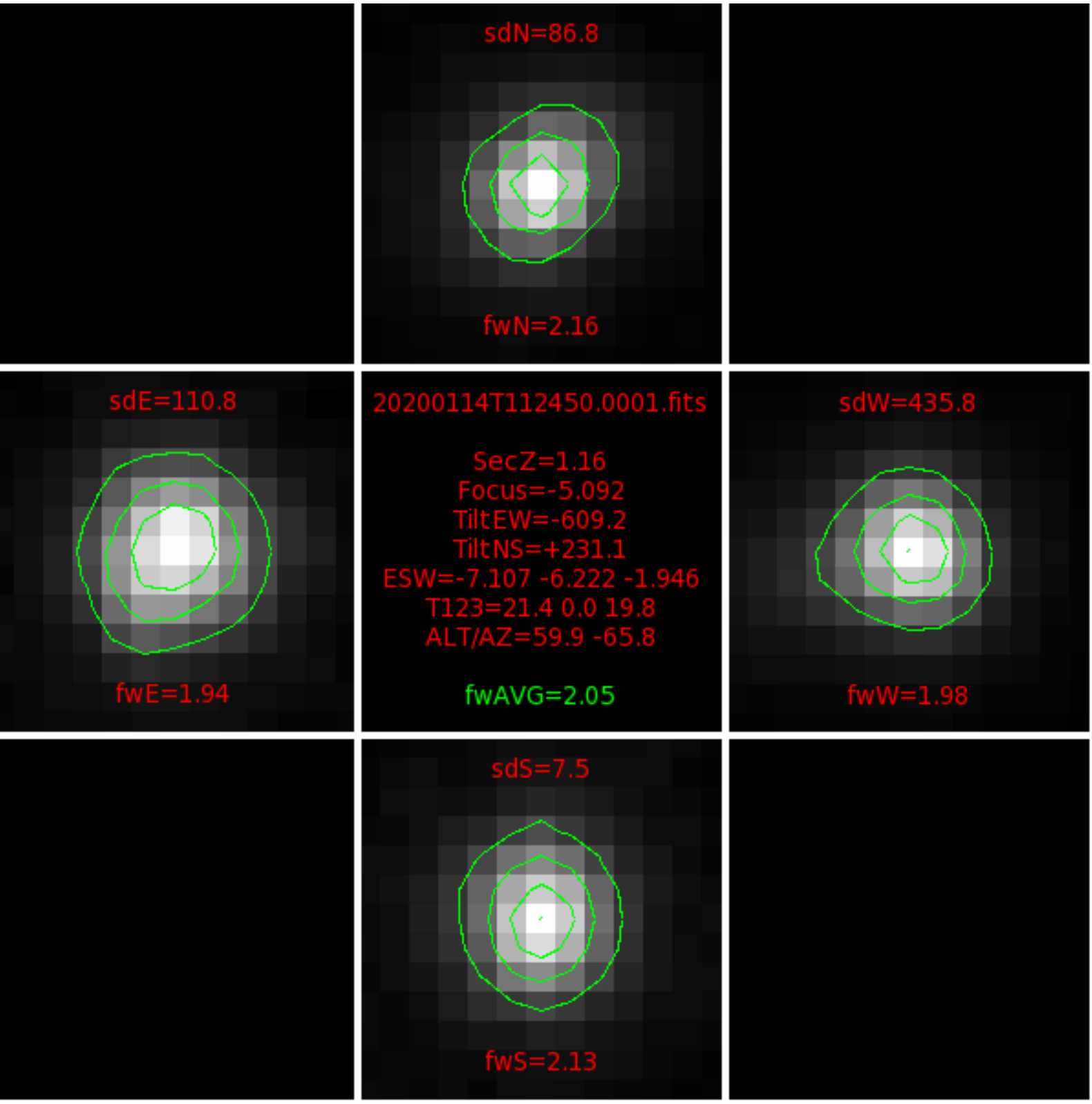
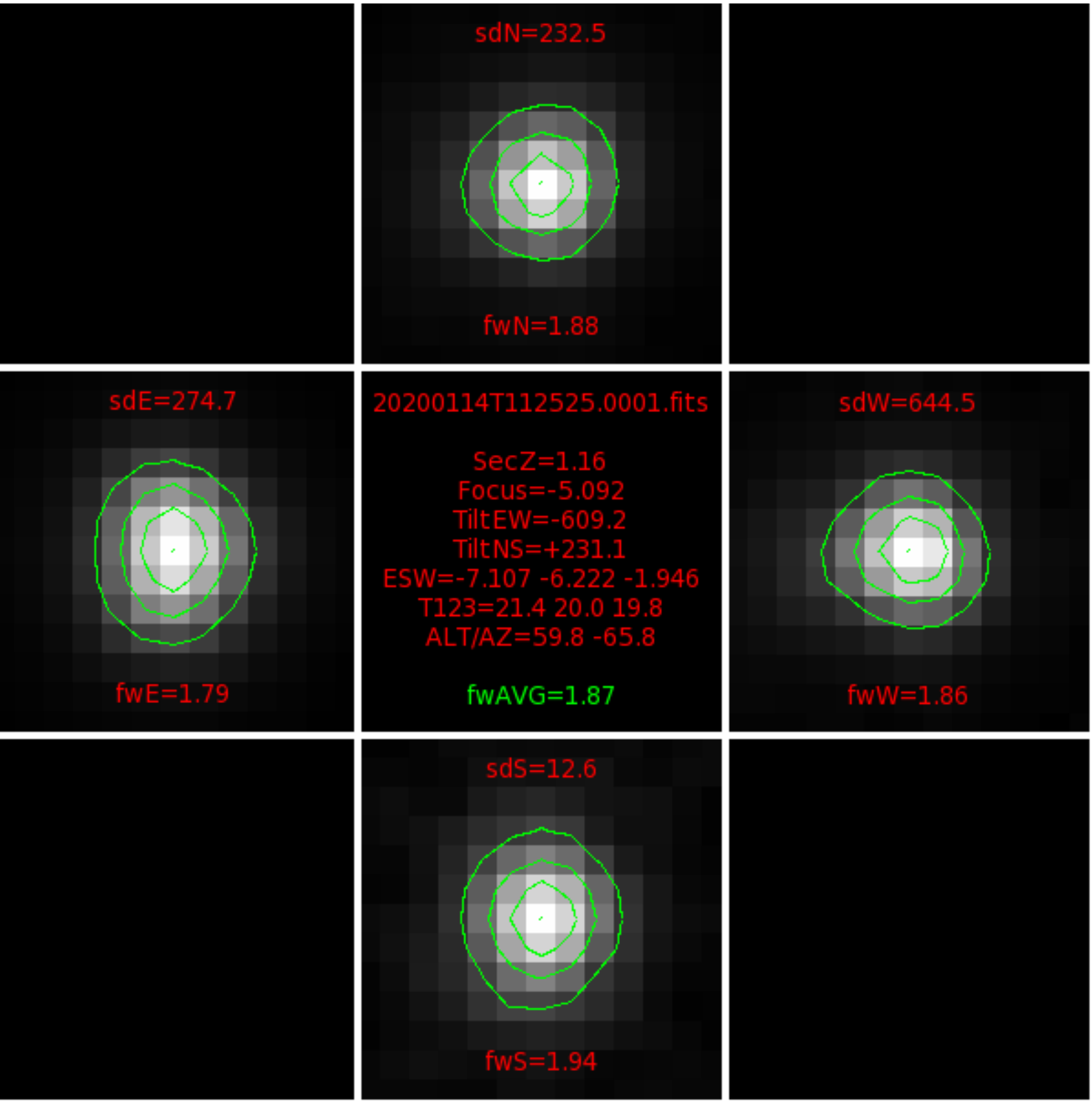

sdN=86.8
fwN=2.16
sdE=110.8
fwE=1.94
20200114T112450.0001.fits
SecZ=1.16
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 0.0 19.8
ALT/AZ=59.9 -65.8
fwAVG=2.05
sdW=435.8
fwW=1.98
sdS=7.5
fwS=2.13
0 0 0 0 0 0 0 0 0


sdN=232.5
fwN=1.88
sdE=274.7
fwE=1.79
20200114T112525.0001.fits
SecZ=1.16
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 20.0 19.8
ALT/AZ=59.8 -65.8
fwAVG=1.87
sdW=644.5
fwW=1.86
sdS=12.6
fwS=1.94
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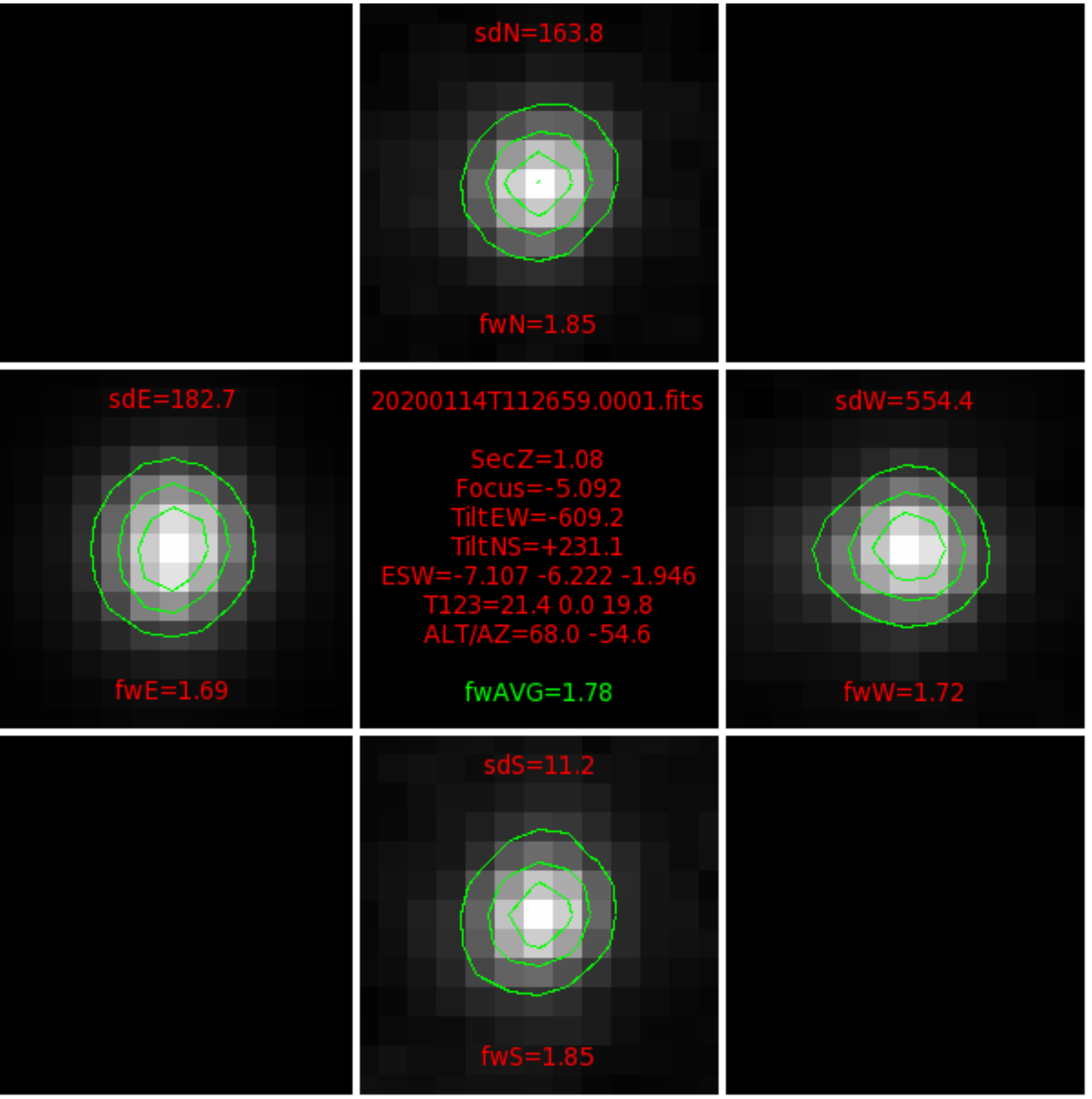
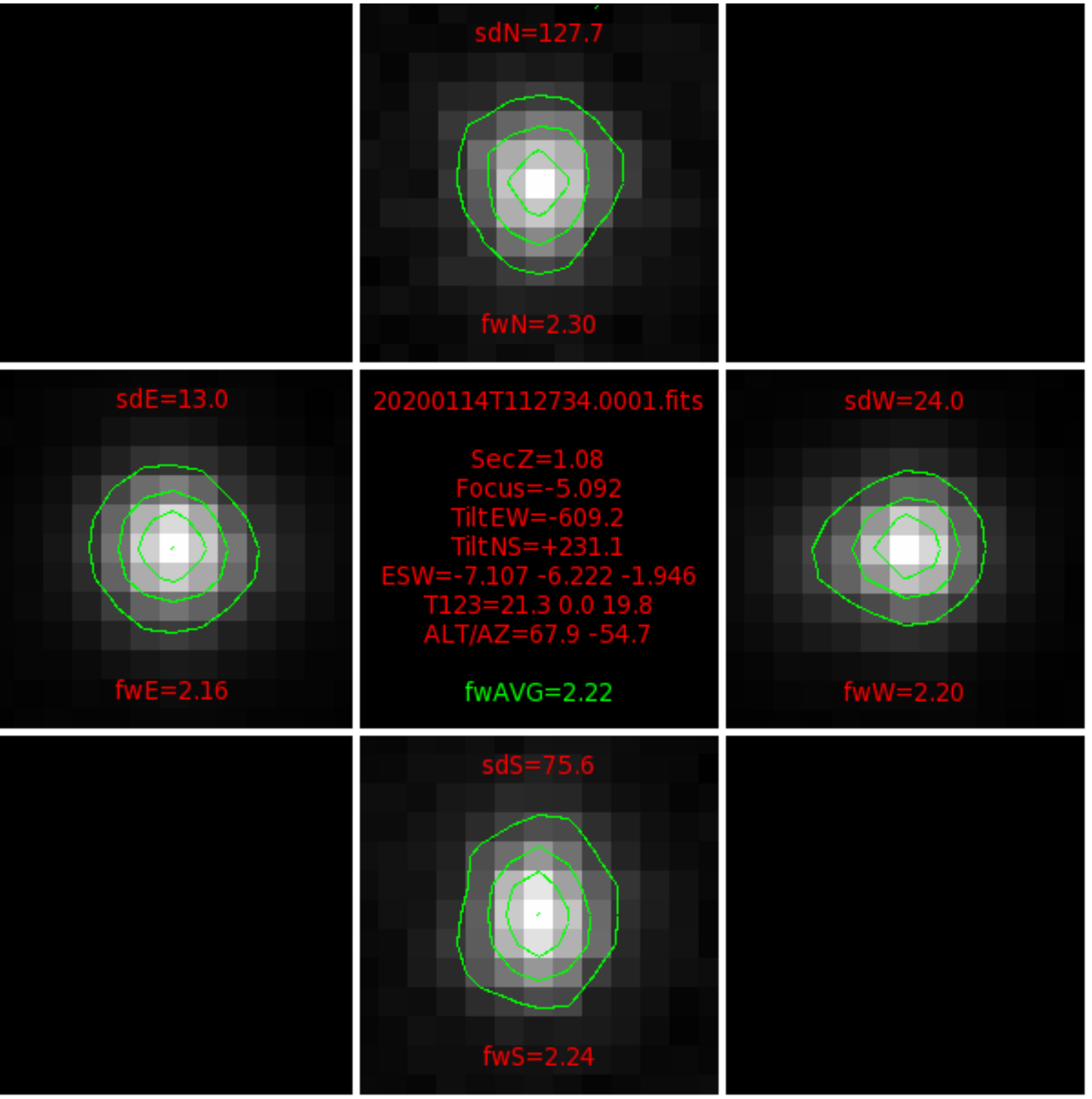
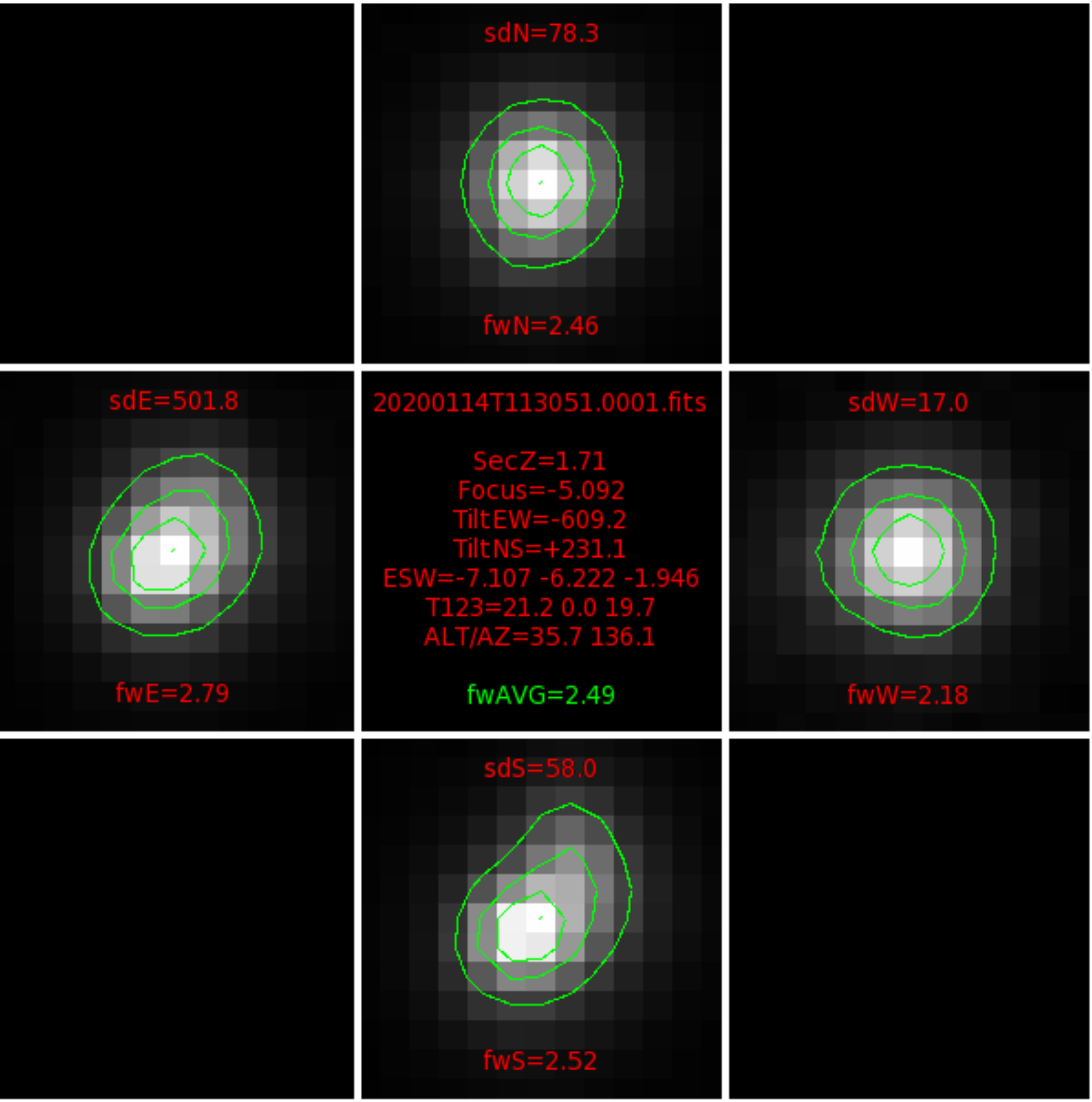
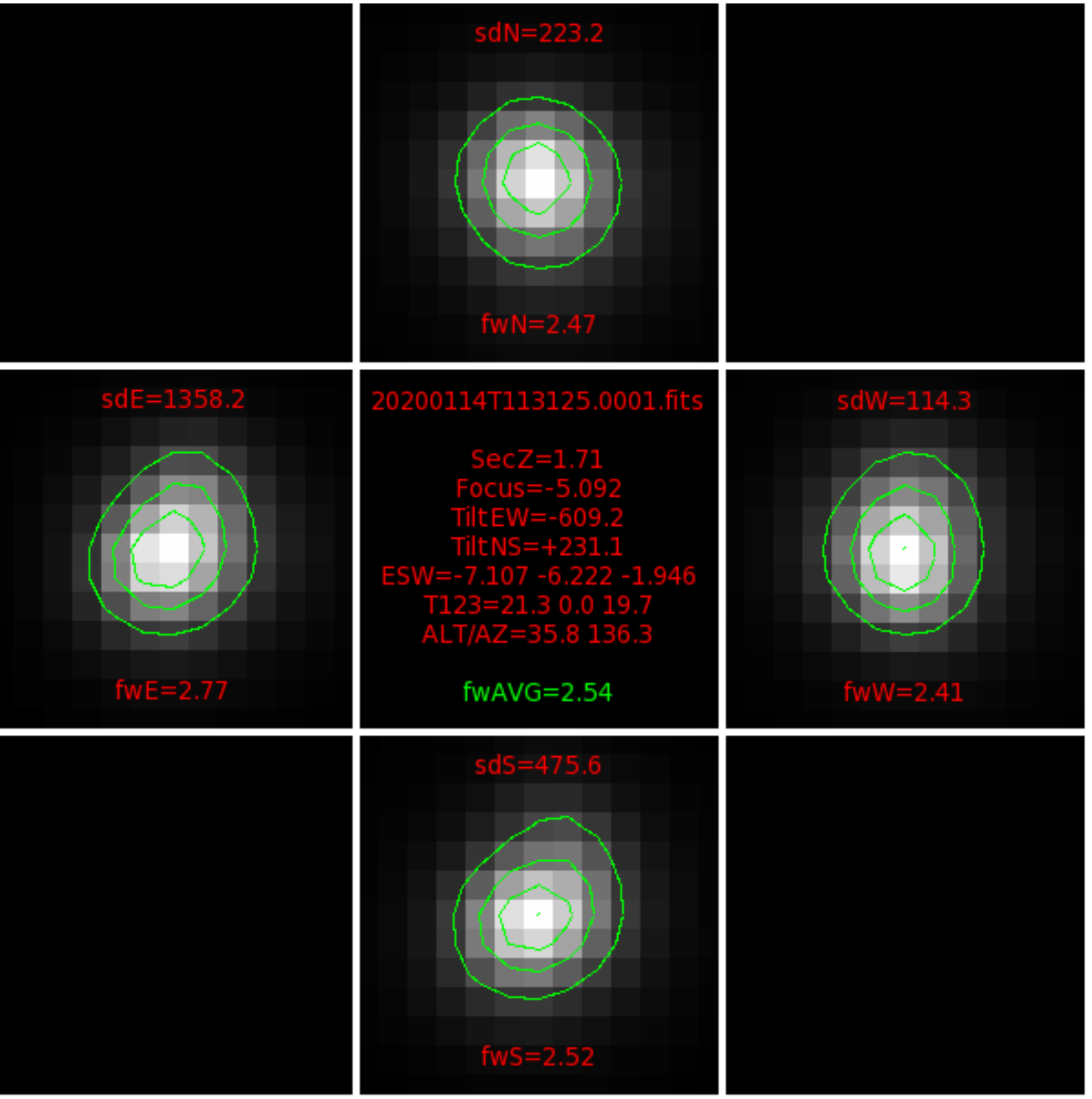
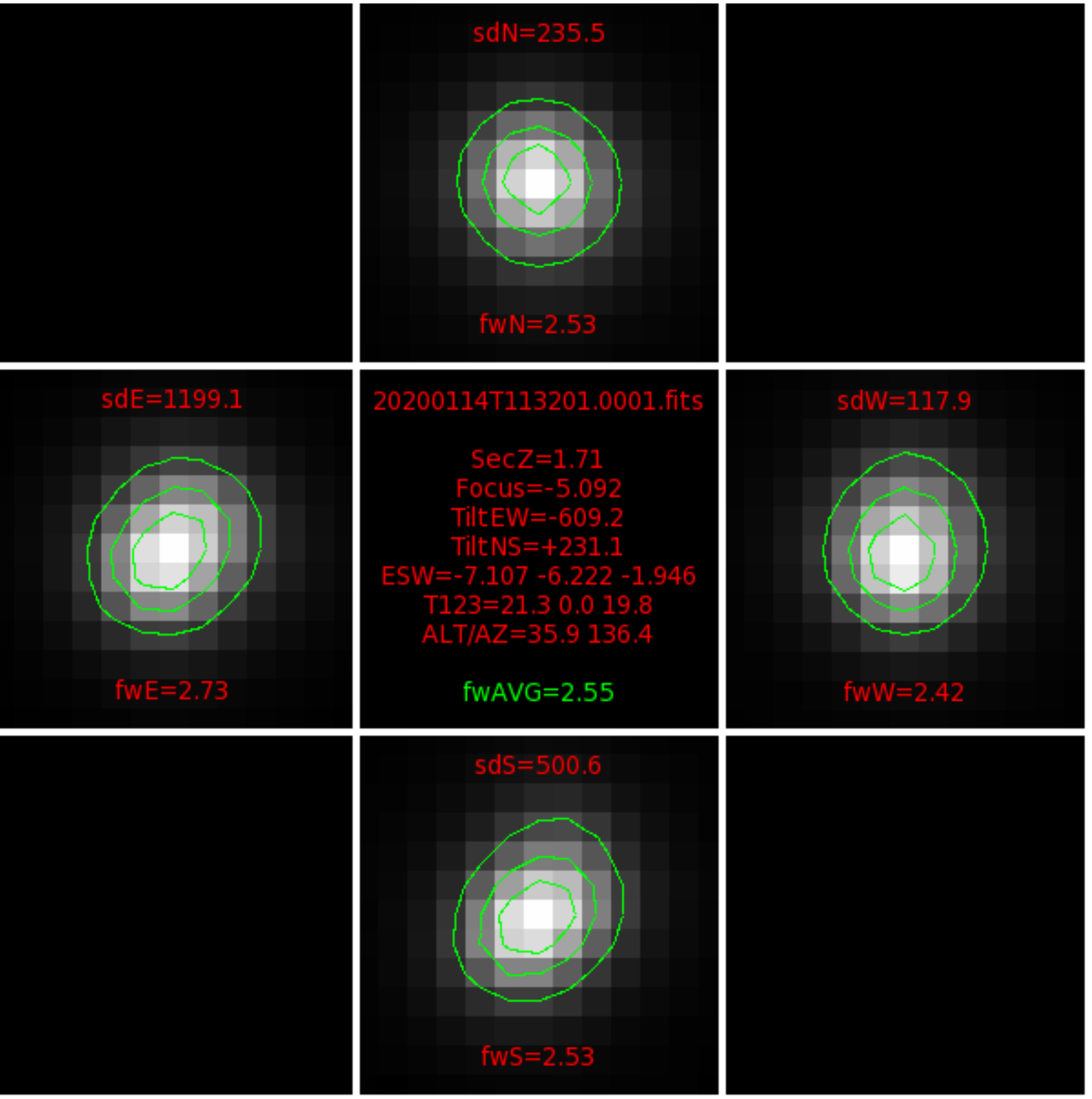
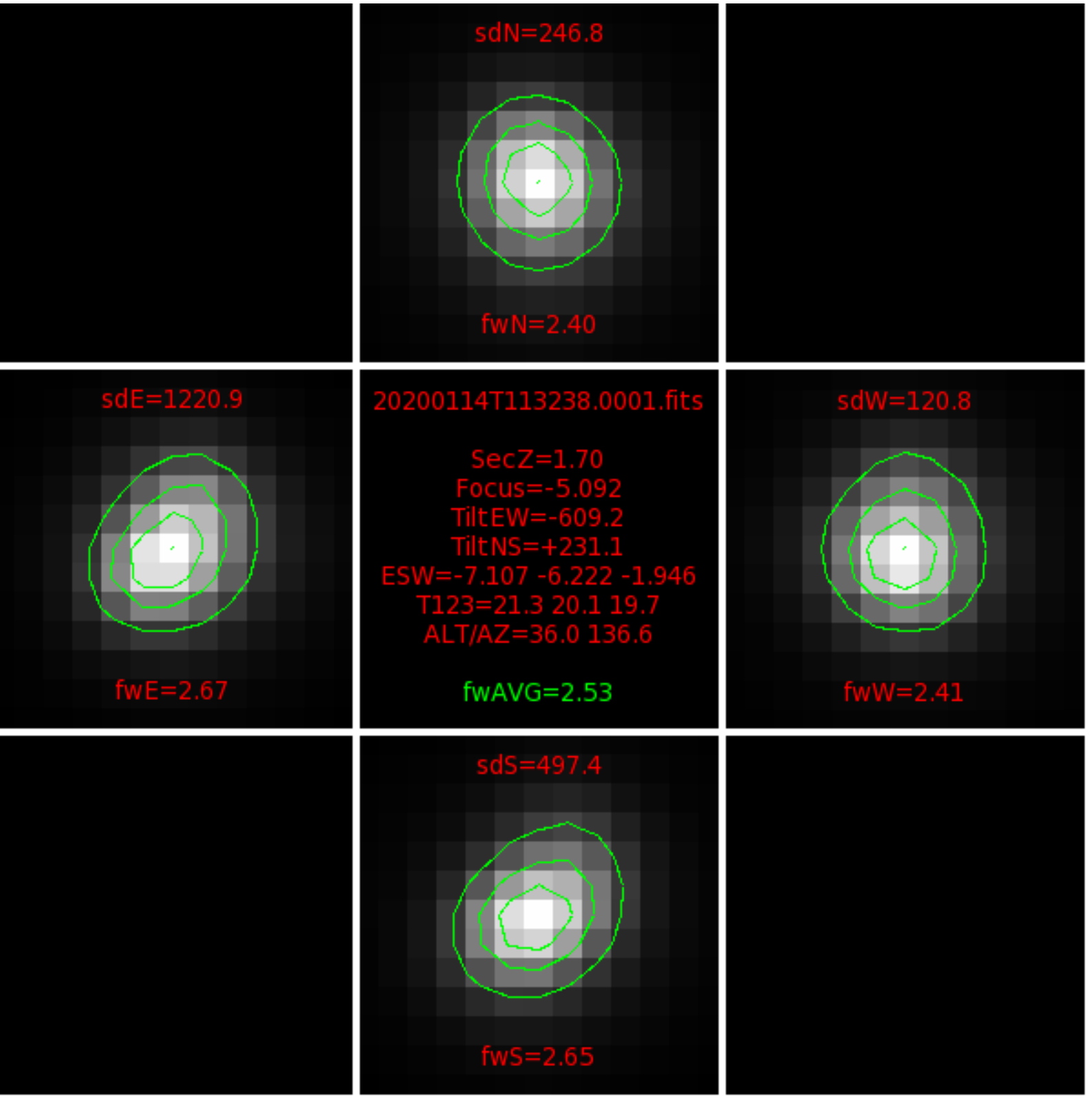

sdN=163.8
fwN=1.85
sdE=182.7
fwE=1.69
20200114T112659.0001.fits
SecZ=1.08
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 0.0 19.8
ALT/AZ=68.0 -54.6
fwAVG=1.78
sdW=554.4
fwW=1.72
sdS=11.2
fwS=1.85
0 0 0 0 0 0 0 0 0

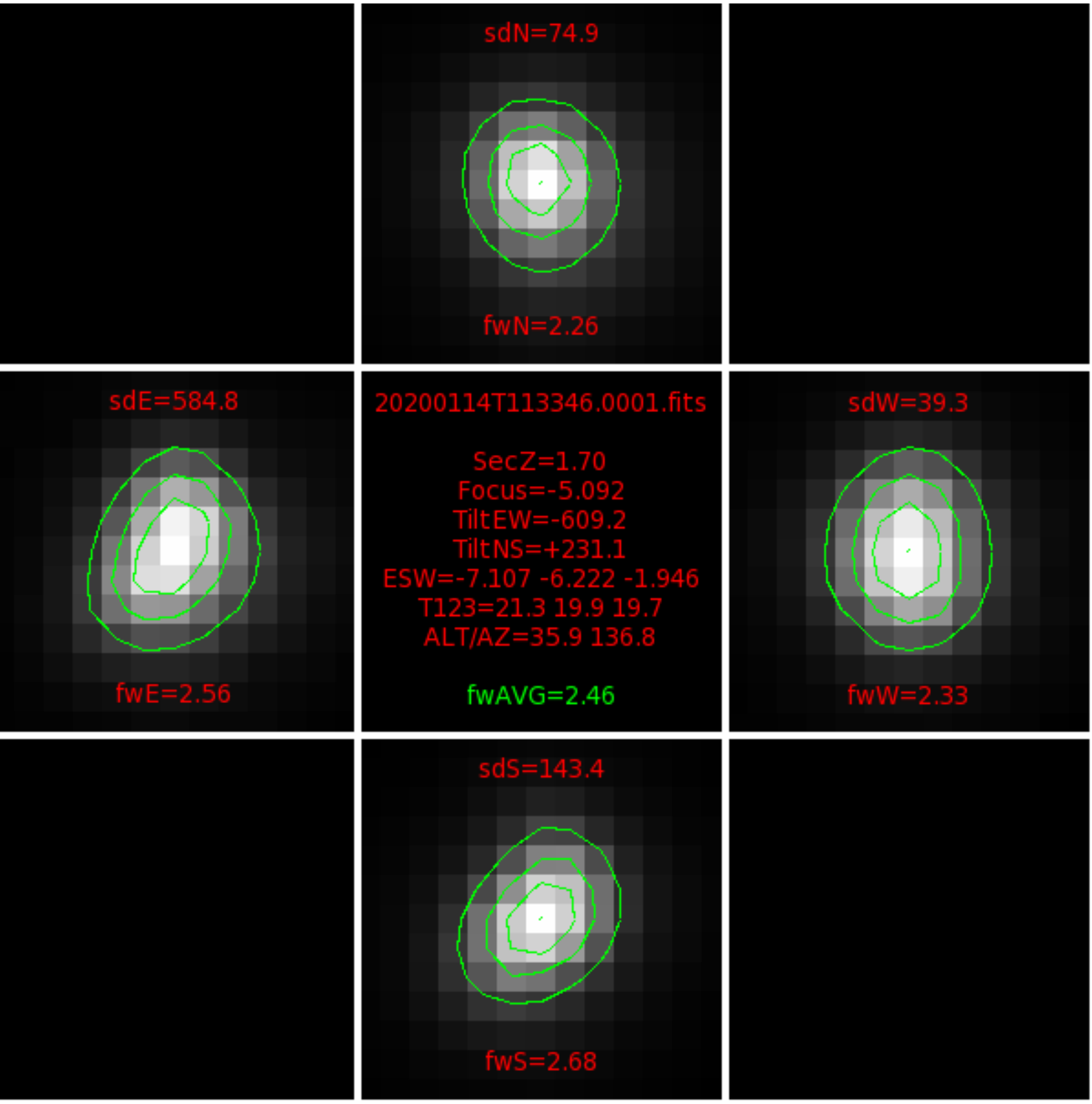

sdN=127.7
fwN=2.30
sdE=13.0
fwE=2.16
20200114T112734.0001.fits
SecZ=1.08
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.3 0.0 19.8
ALT/AZ=67.9 -54.7
fwAVG=2.22
sdW=24.0
fwW=2.20
sdS=75.6
fwS=2.24
0 0 0 0 0 0 0 0 0

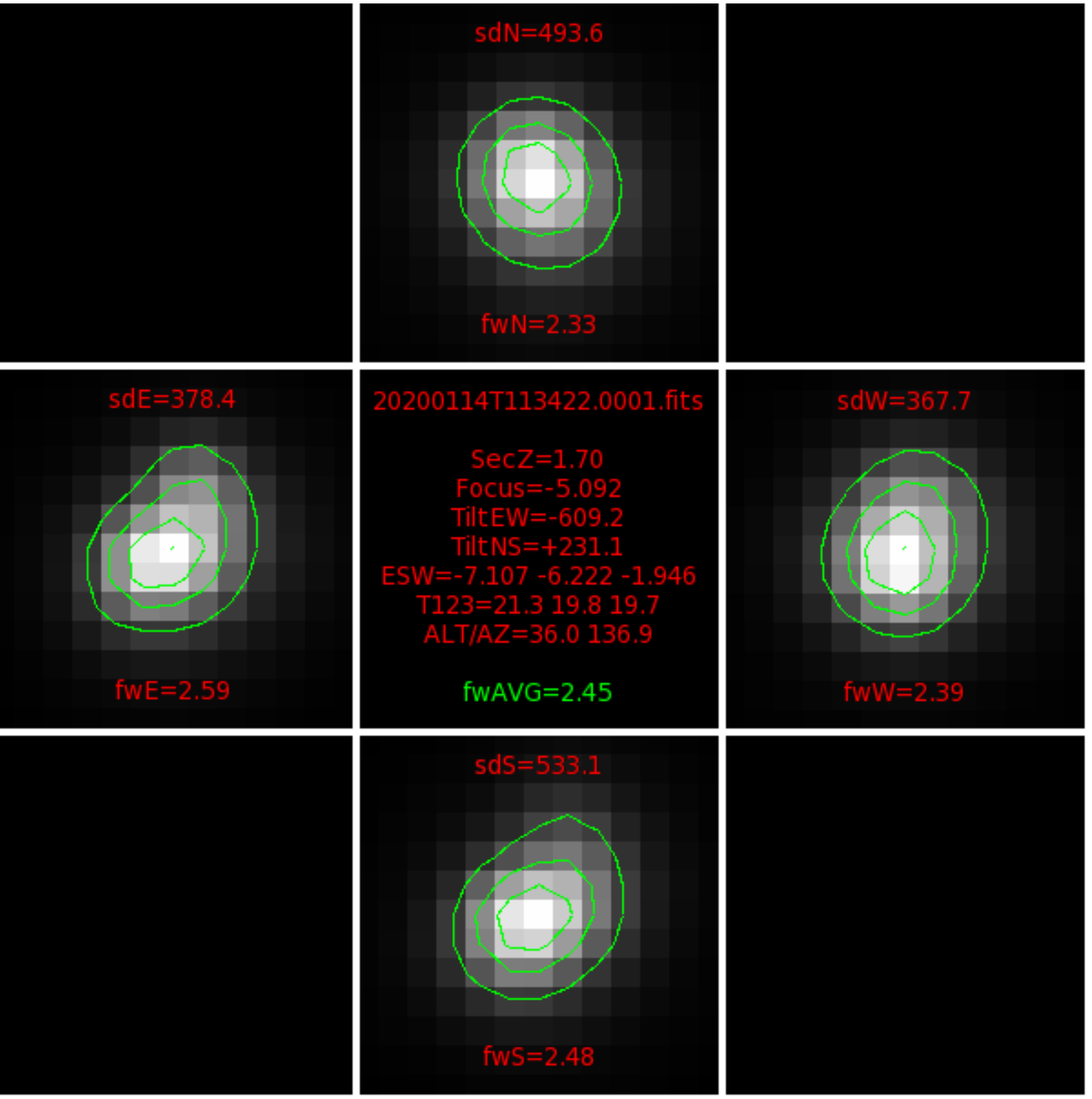

sdN=78.3
fwN=2.46
sdE=501.8
fwE=2.79
20200114T113051.0001.fits
SecZ=1.71
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.2 0.0 19.7
ALT/AZ=35.7 136.1
fwAVG=2.49
sdW=17.0
fwW=2.18
sdS=58.0
fwS=2.52
0 0 0 0 0 0 0 0 0


sdN=223.2
fwN=2.47
sdE=1358.2
fwE=2.77
20200114T113125.0001.fits
SecZ=1.71
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.3 0.0 19.7
ALT/AZ=35.8 136.3
fwAVG=2.54
sdW=114.3
fwW=2.41
sdS=475.6
fwS=2.52
0 0 0 0 0 0 0 0 0


sdN=235.5
fwN=2.53
sdE=1199.1
fwE=2.73
20200114T113201.0001.fits
SecZ=1.71
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.3 0.0 19.8
ALT/AZ=35.9 136.4
fwAVG=2.55
sdW=117.9
fwW=2.42
sdS=500.6
fwS=2.53
0 0 0 0 0 0 0 0 0


sdN=246.8
fwN=2.40
sdE=1220.9
fwE=2.67
20200114T113238.0001.fits
SecZ=1.70
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.3 20.1 19.7
ALT/AZ=36.0 136.6
fwAVG=2.53
sdW=120.8
fwW=2.41
sdS=497.4
fwS=2.65
0 0 0 0 0 0 0 0 0


sdN=74.9
fwN=2.26
sdE=584.8
fwE=2.56
20200114T113346.0001.fits
SecZ=1.70
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.3 19.9 19.7
ALT/AZ=35.9 136.8
fwAVG=2.46
sdW=39.3
fwW=2.33
sdS=143.4
fwS=2.68
0 0 0 0 0 0 0 0 0


sdN=493.6
fwN=2.33
sdE=378.4
fwE=2.59
20200114T113422.0001.fits
SecZ=1.70
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.3 19.8 19.7
ALT/AZ=36.0 136.9
fwAVG=2.45
sdW=367.7
fwW=2.39
sdS=533.1
fwS=2.48
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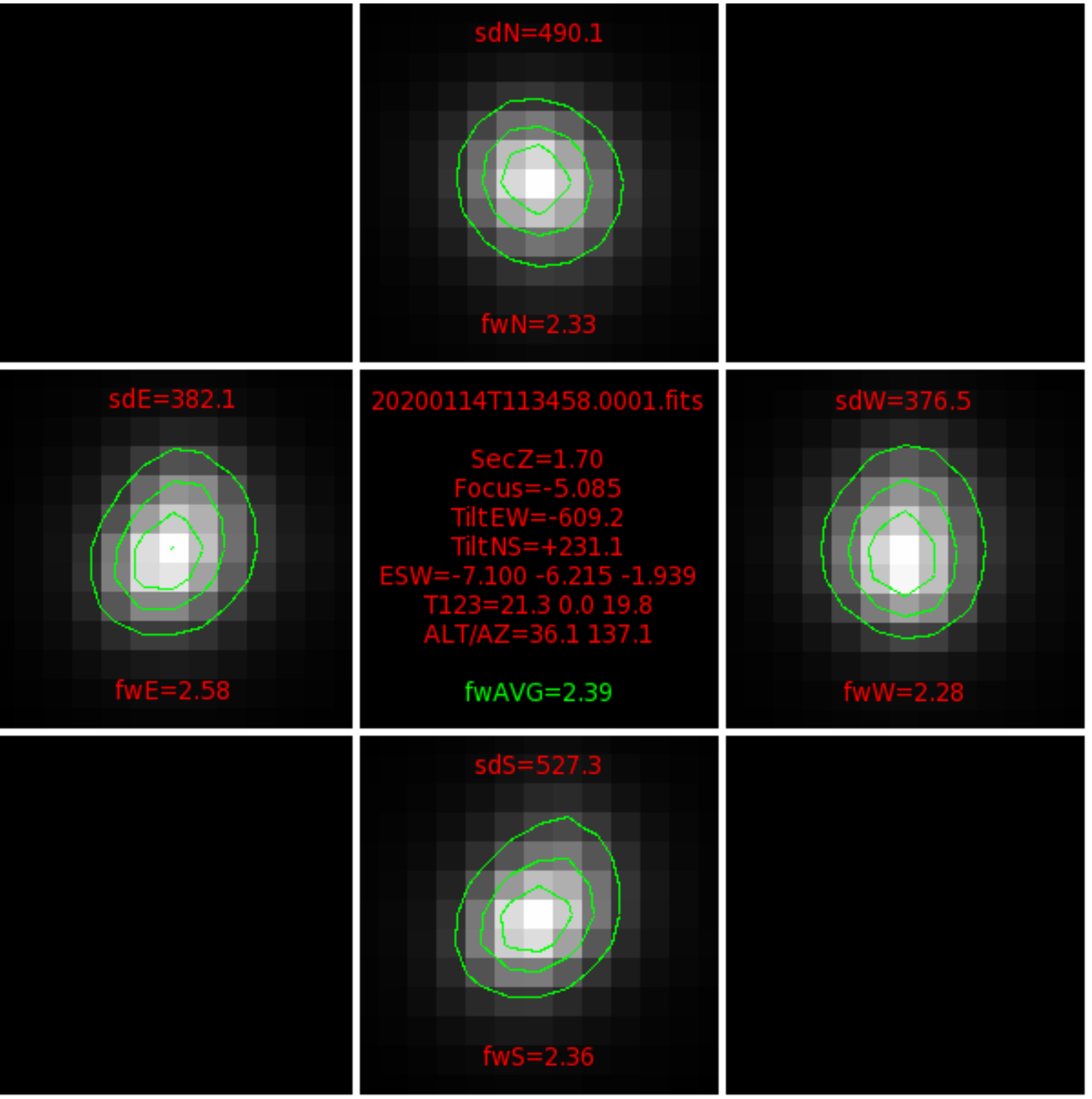
sdN=490.1
fwN=2.33
sdE=382.1
fwE=2.58
20200114T113458.0001.fits
SecZ=1.70
Focus=-5.085
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.100 -6.215 -1.939
T123=21.3 0.0 19.8
ALT/AZ=36.1 137.1
fwAVG=2.39
sdW=376.5
fwW=2.28
sdS=527.3
fwS=2.36
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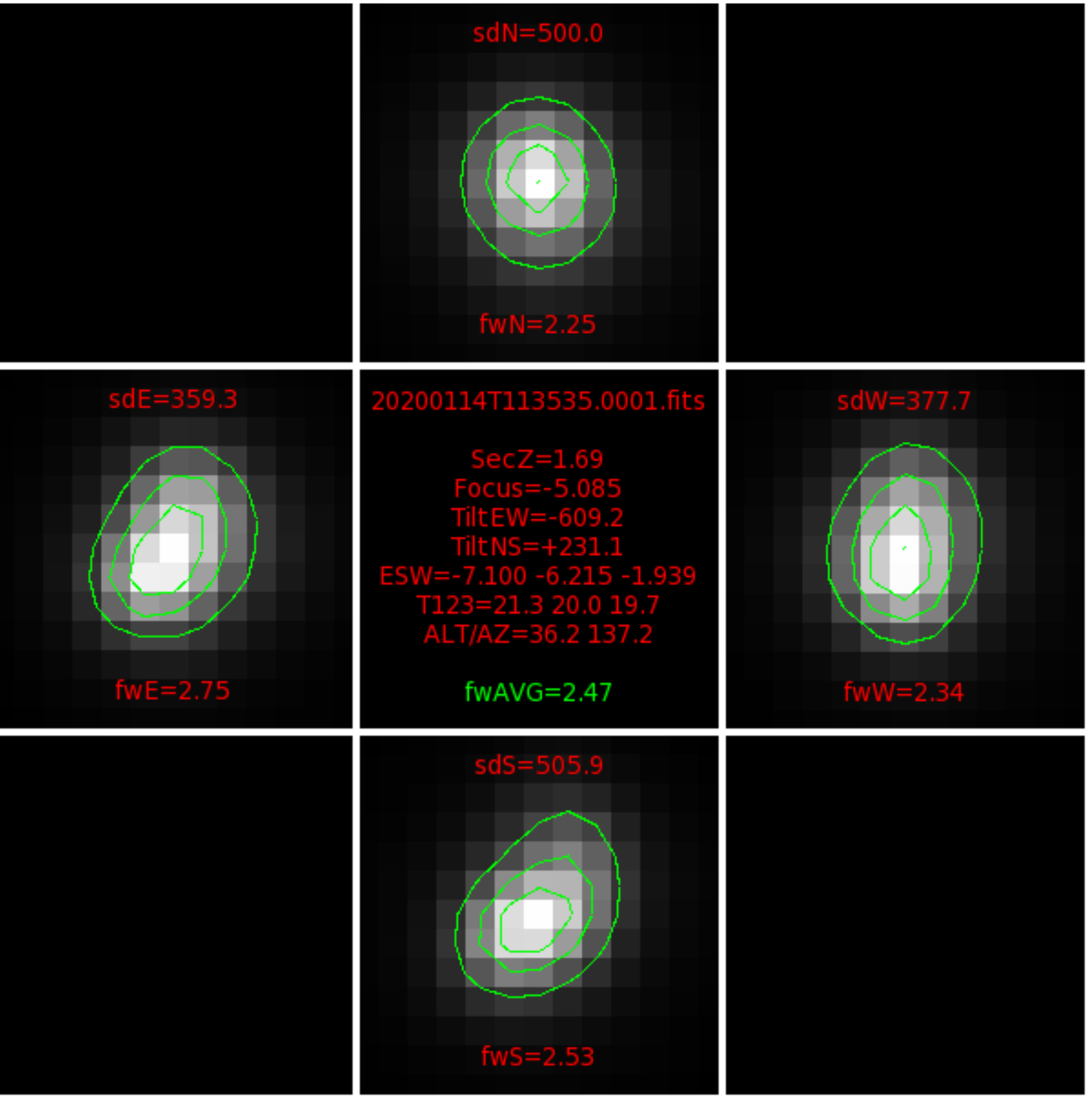
sdN=500.0
fwN=2.25
sdE=359.3
fwE=2.75
20200114T113535.0001.fits
SecZ=1.69
Focus=-5.085
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.100 -6.215 -1.939
T123=21.3 20.0 19.7
ALT/AZ=36.2 137.2
fwAVG=2.47
sdW=377.7
fwW=2.34
sdS=505.9
fwS=2.53
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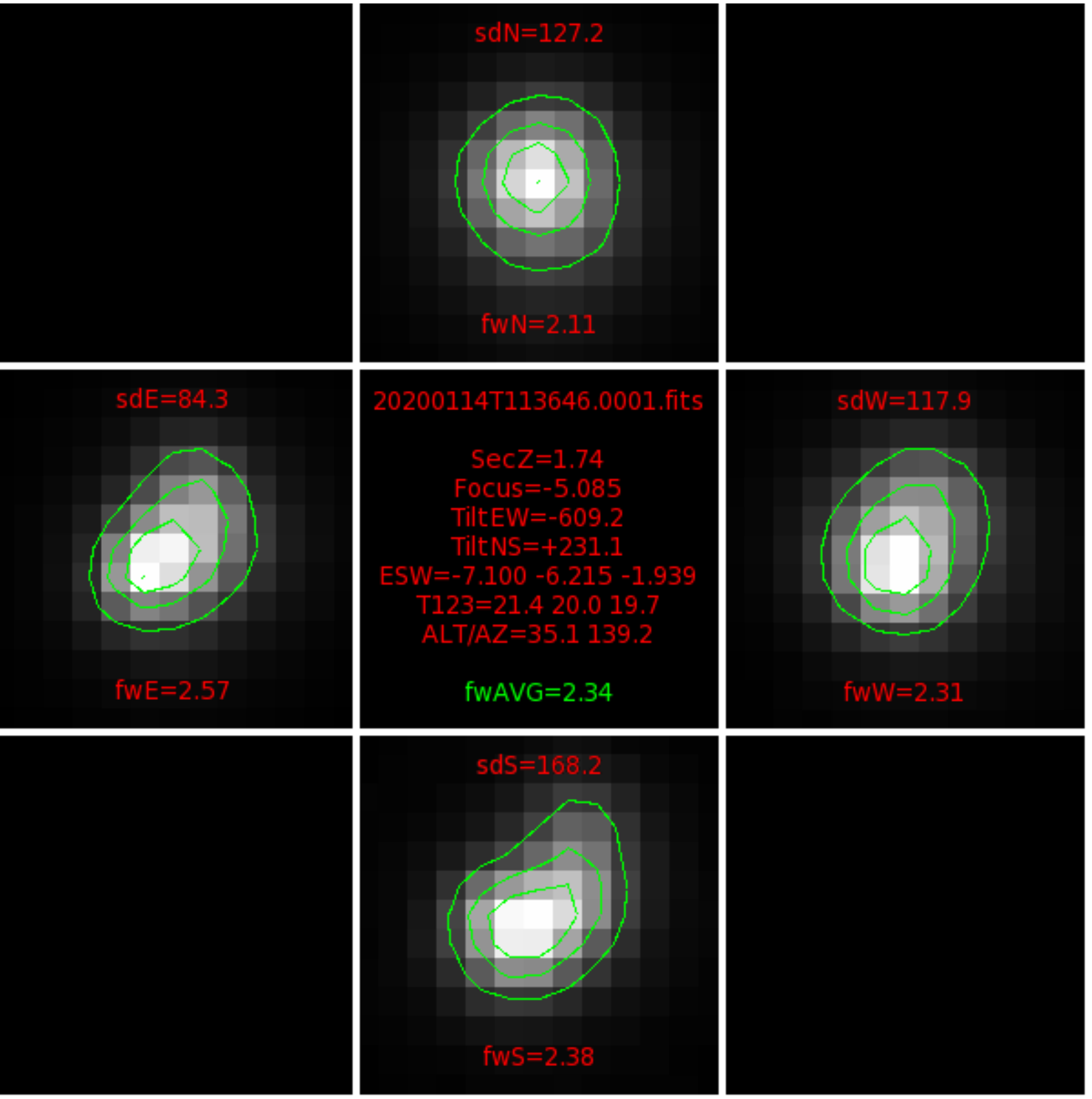
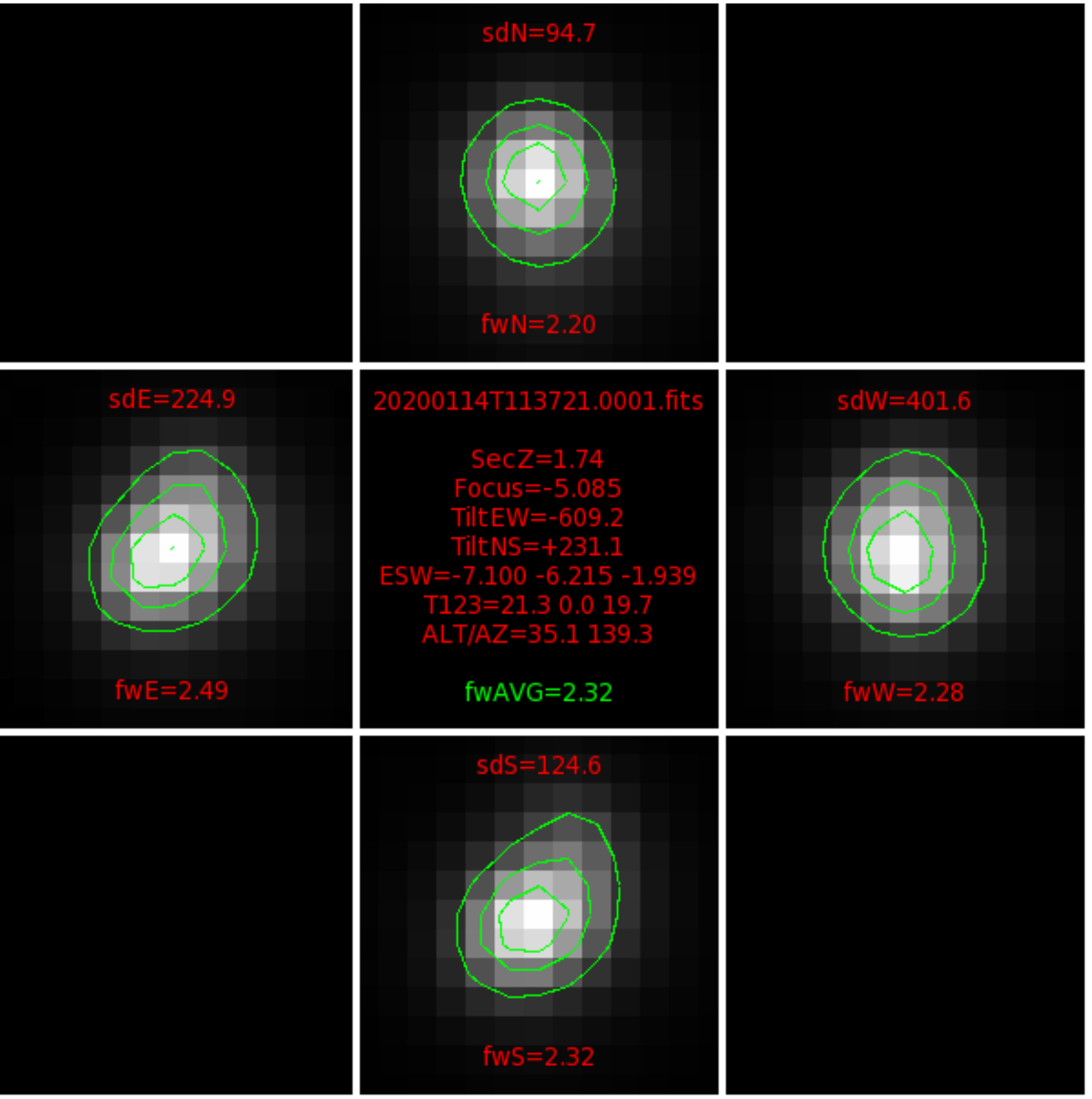
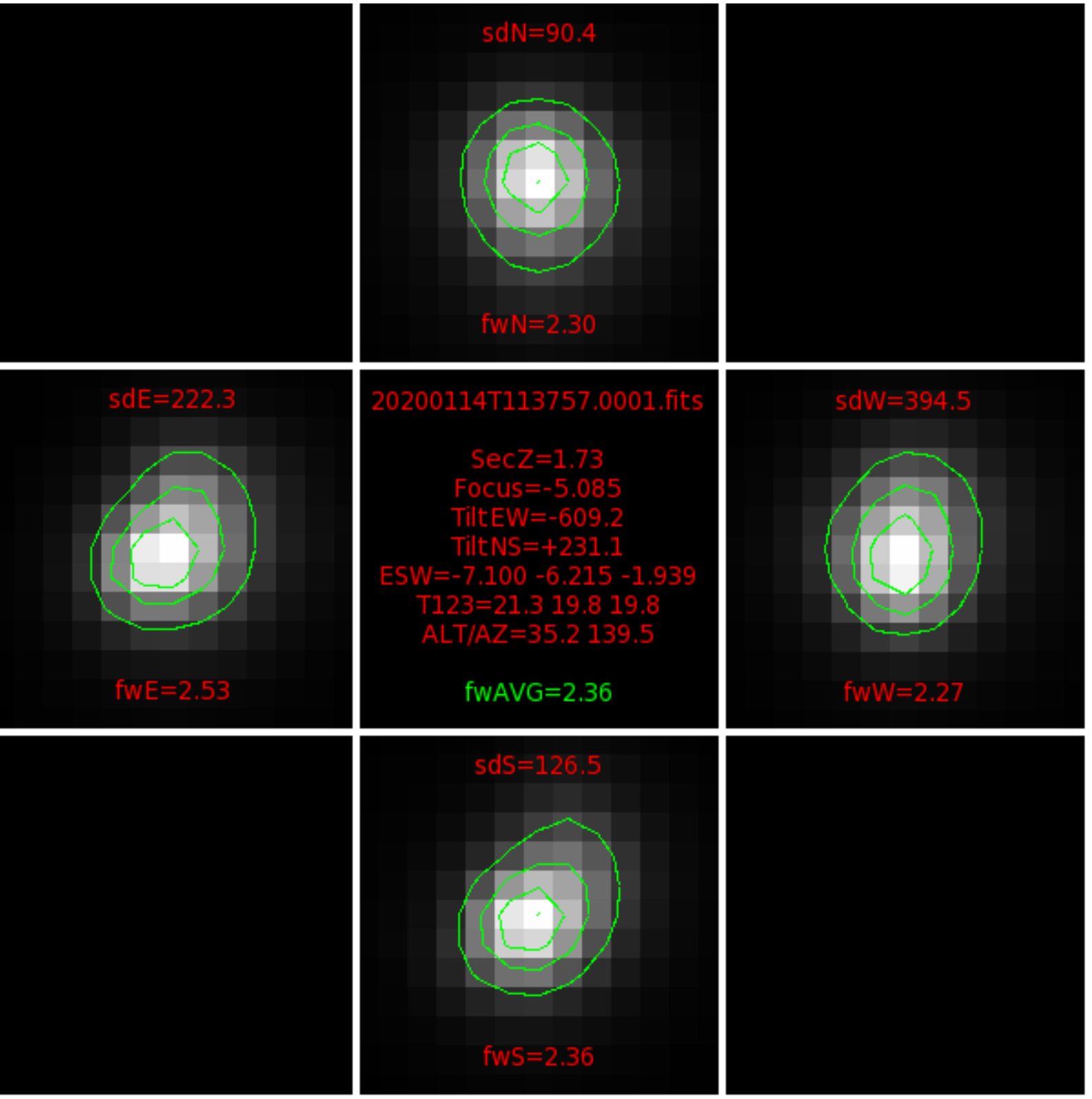
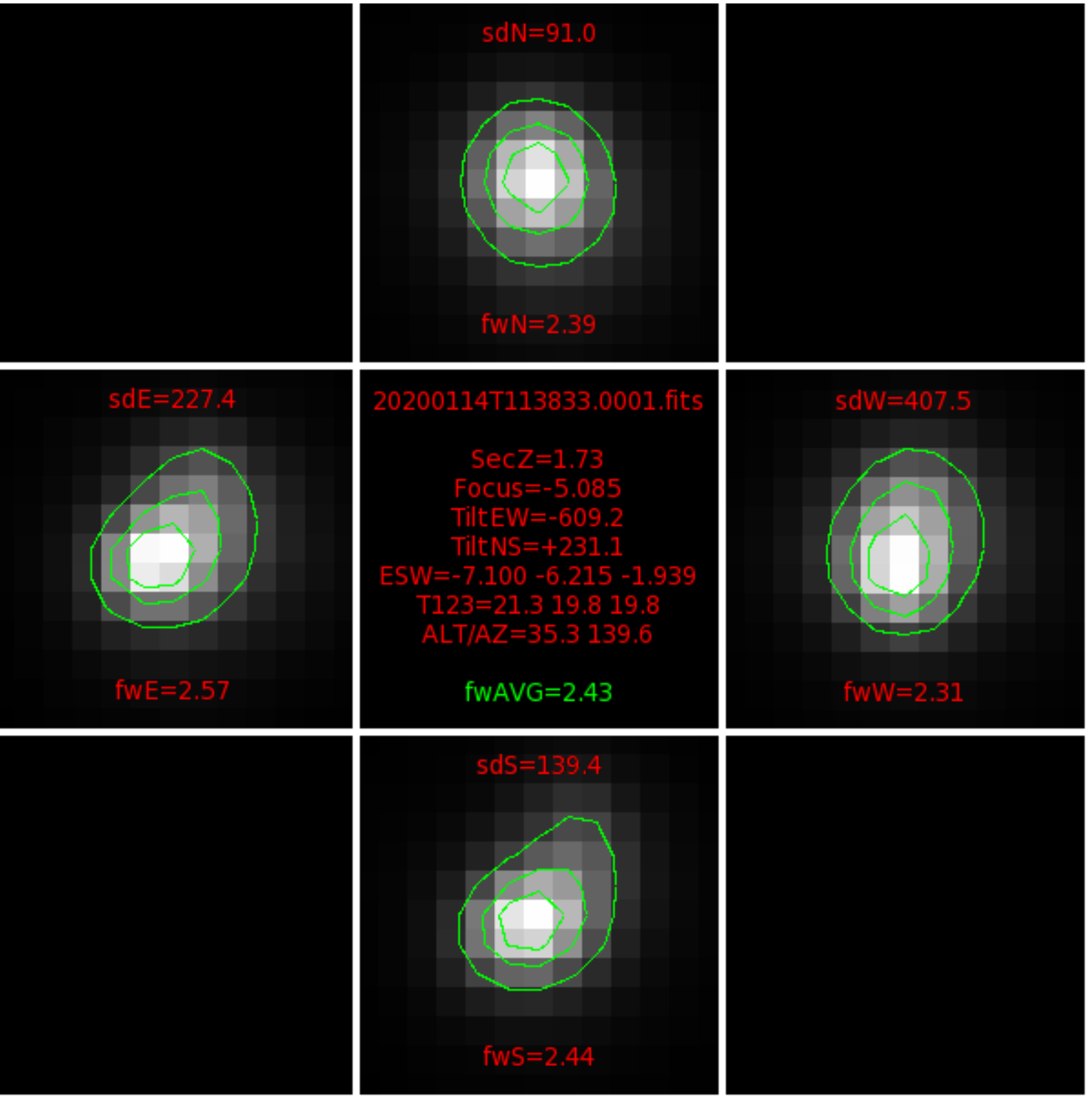

sdN=127.2
fwN=2.11
sdE=84.3
fwE=2.57
20200114T113646.0001.fits
SecZ=1.74
Focus=-5.085
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.100 -6.215 -1.939
T123=21.4 20.0 19.7
ALT/AZ=35.1 139.2
fwAVG=2.34
sdW=117.9
fwW=2.31
sdS=168.2
fwS=2.38
0 0 0 0 0 0 0 0 0


sdN=94.7
fwN=2.20
sdE=224.9
fwE=2.49
20200114T113721.0001.fits
SecZ=1.74
Focus=-5.085
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.100 -6.215 -1.939
T123=21.3 0.0 19.7
ALT/AZ=35.1 139.3
fwAVG=2.32
sdW=401.6
fwW=2.28
sdS=124.6
fwS=2.32
0 0 0 0 0 0 0 0 0


sdN=90.4
fwN=2.30
sdE=222.3
fwE=2.53
20200114T113757.0001.fits
SecZ=1.73
Focus=-5.085
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.100 -6.215 -1.939
T123=21.3 19.8 19.8
ALT/AZ=35.2 139.5
fwAVG=2.36
sdW=394.5
fwW=2.27
sdS=126.5
fwS=2.36
0 0 0 0 0 0 0 0 0


sdN=91.0
fwN=2.39
sdE=227.4
fwE=2.57
20200114T113833.0001.fits
SecZ=1.73
Focus=-5.085
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.100 -6.215 -1.939
T123=21.3 19.8 19.8
ALT/AZ=35.3 139.6
fwAVG=2.43
sdW=407.5
fwW=2.31
sdS=139.4
fwS=2.44
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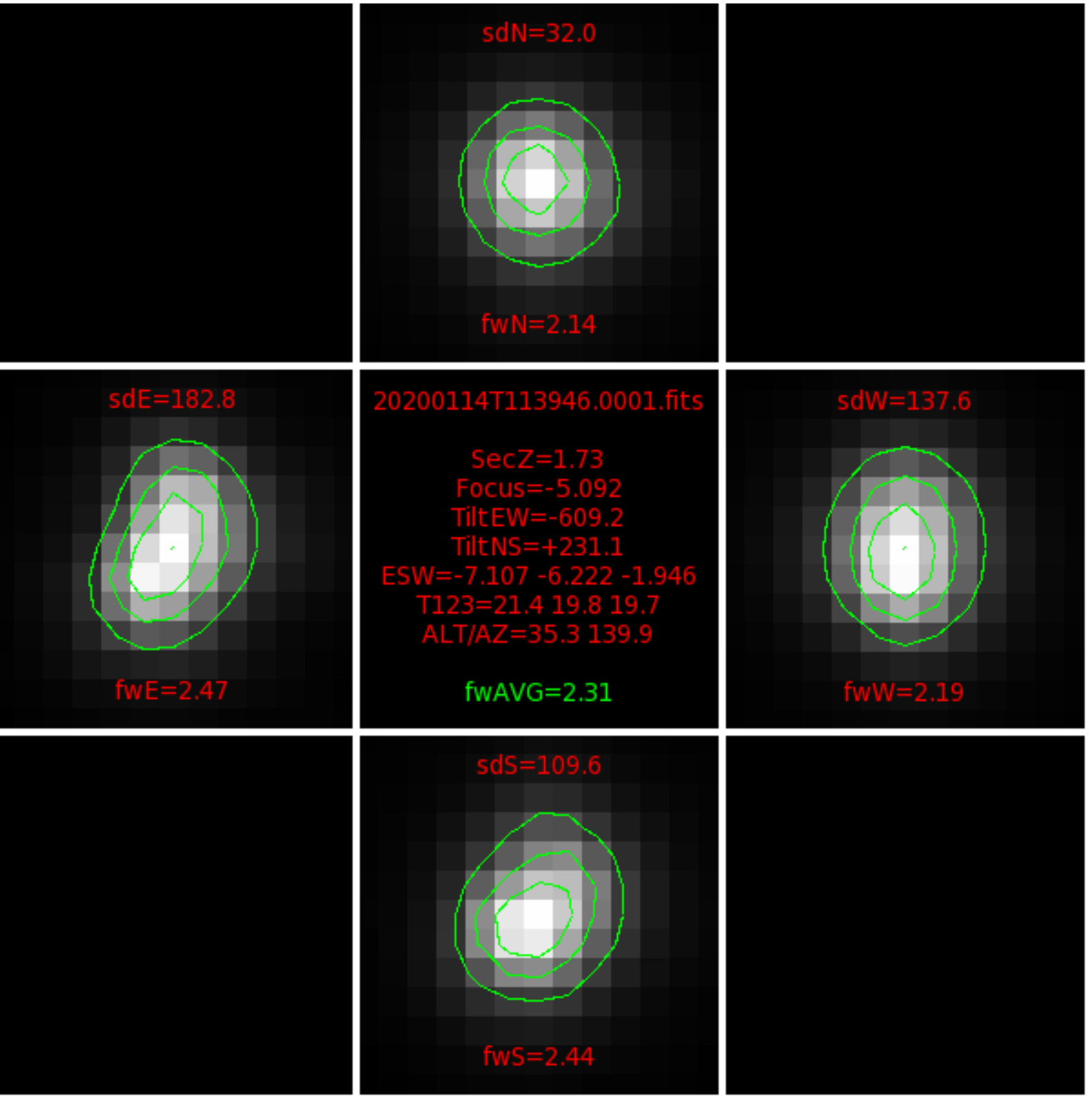
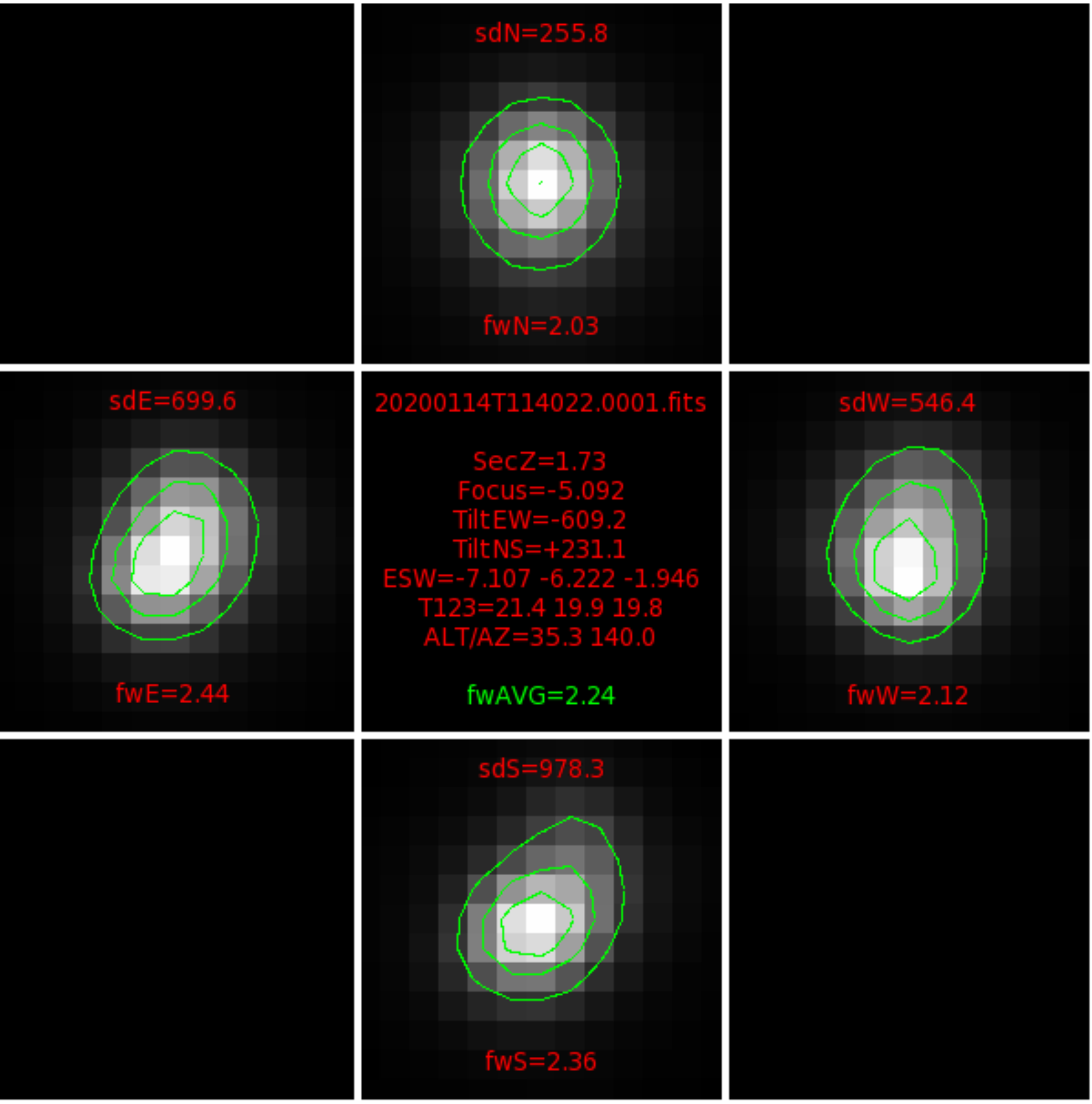

sdN=32.0
fwN=2.14
sdE=182.8
fwE=2.47
20200114T113946.0001.fits
SecZ=1.73
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.8 19.7
ALT/AZ=35.3 139.9
fwAVG=2.31
sdW=137.6
fwW=2.19
sdS=109.6
fwS=2.44
0 0 0 0 0 0 0 0 0


sdN=255.8
fwN=2.03
sdE=699.6
fwE=2.44
20200114T114022.0001.fits
SecZ=1.73
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.9 19.8
ALT/AZ=35.3 140.0
fwAVG=2.24
sdW=546.4
fwW=2.12
sdS=978.3
fwS=2.36
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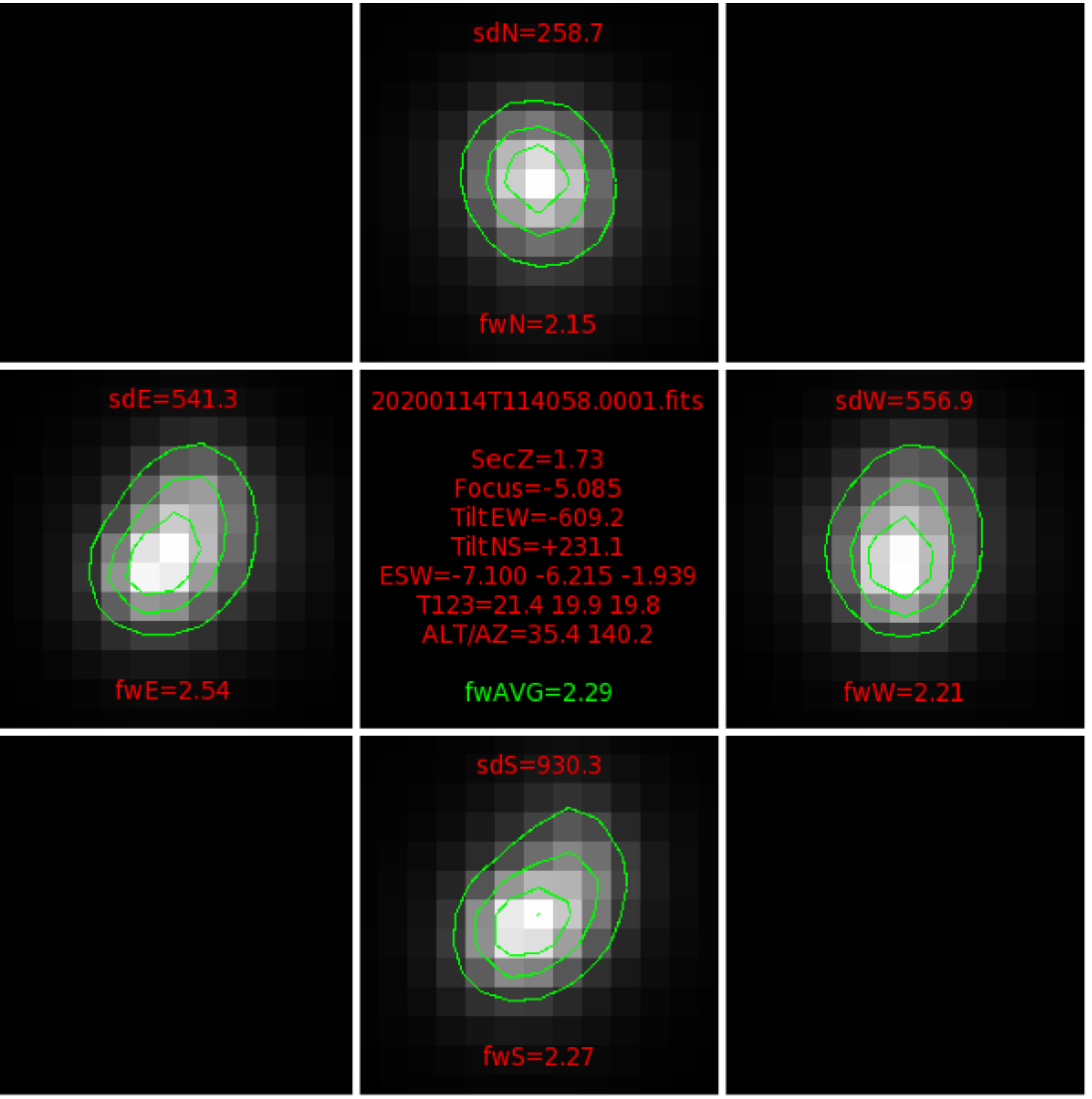
sdN=258.7
fwN=2.15
sdE=541.3
fwE=2.54
20200114T114058.0001.fits
SecZ=1.73
Focus=-5.085
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.100 -6.215 -1.939
T123=21.4 19.9 19.8
ALT/AZ=35.4 140.2
fwAVG=2.29
sdW=556.9
fwW=2.21
sdS=930.3
fwS=2.27
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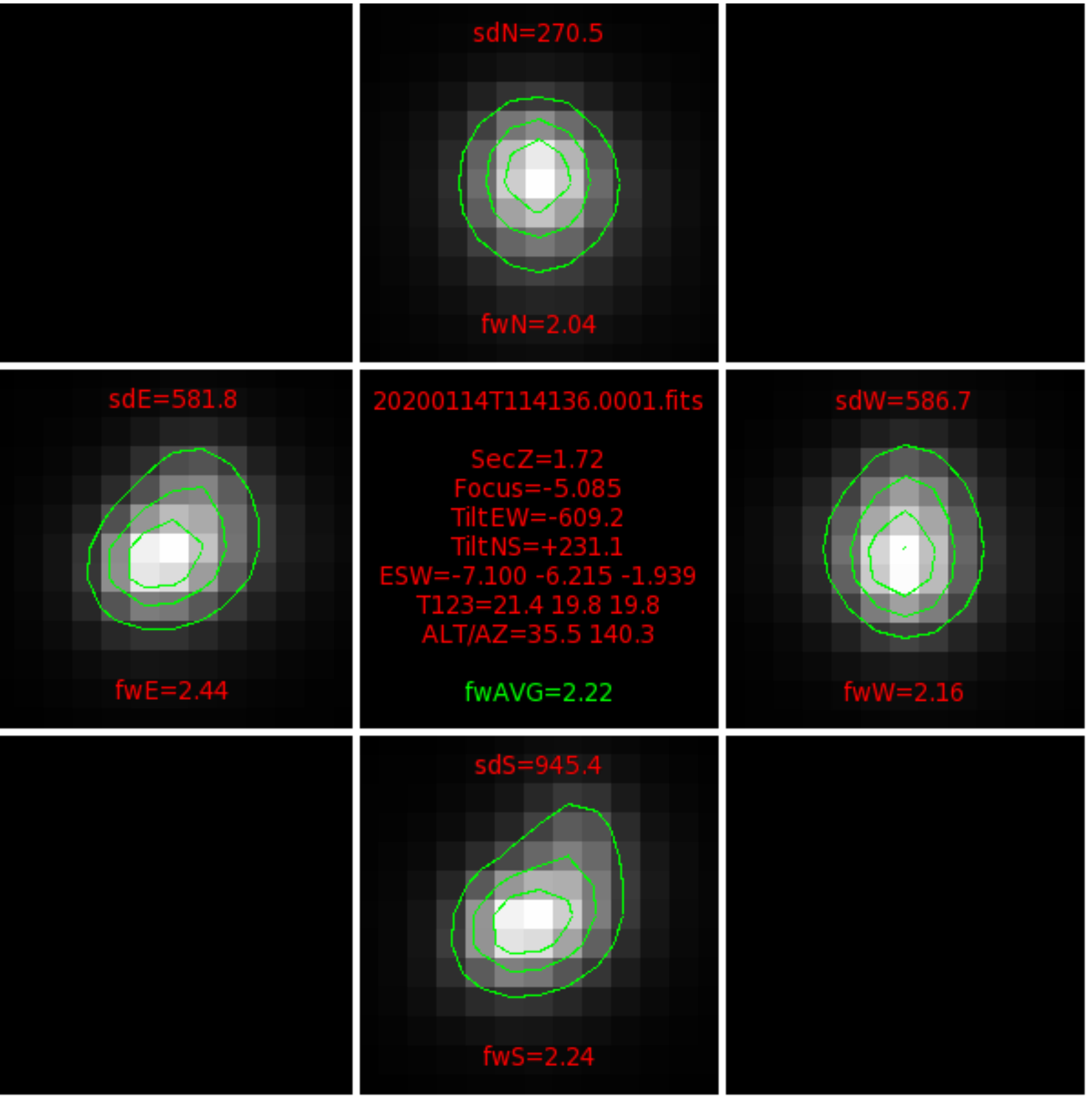
sdN=270.5
fwN=2.04
sdE=581.8
fwE=2.44
20200114T114136.0001.fits
SecZ=1.72
Focus=-5.085
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.100 -6.215 -1.939
T123=21.4 19.8 19.8
ALT/AZ=35.5 140.3
fwAVG=2.22
sdW=586.7
fwW=2.16
sdS=945.4
fwS=2.24
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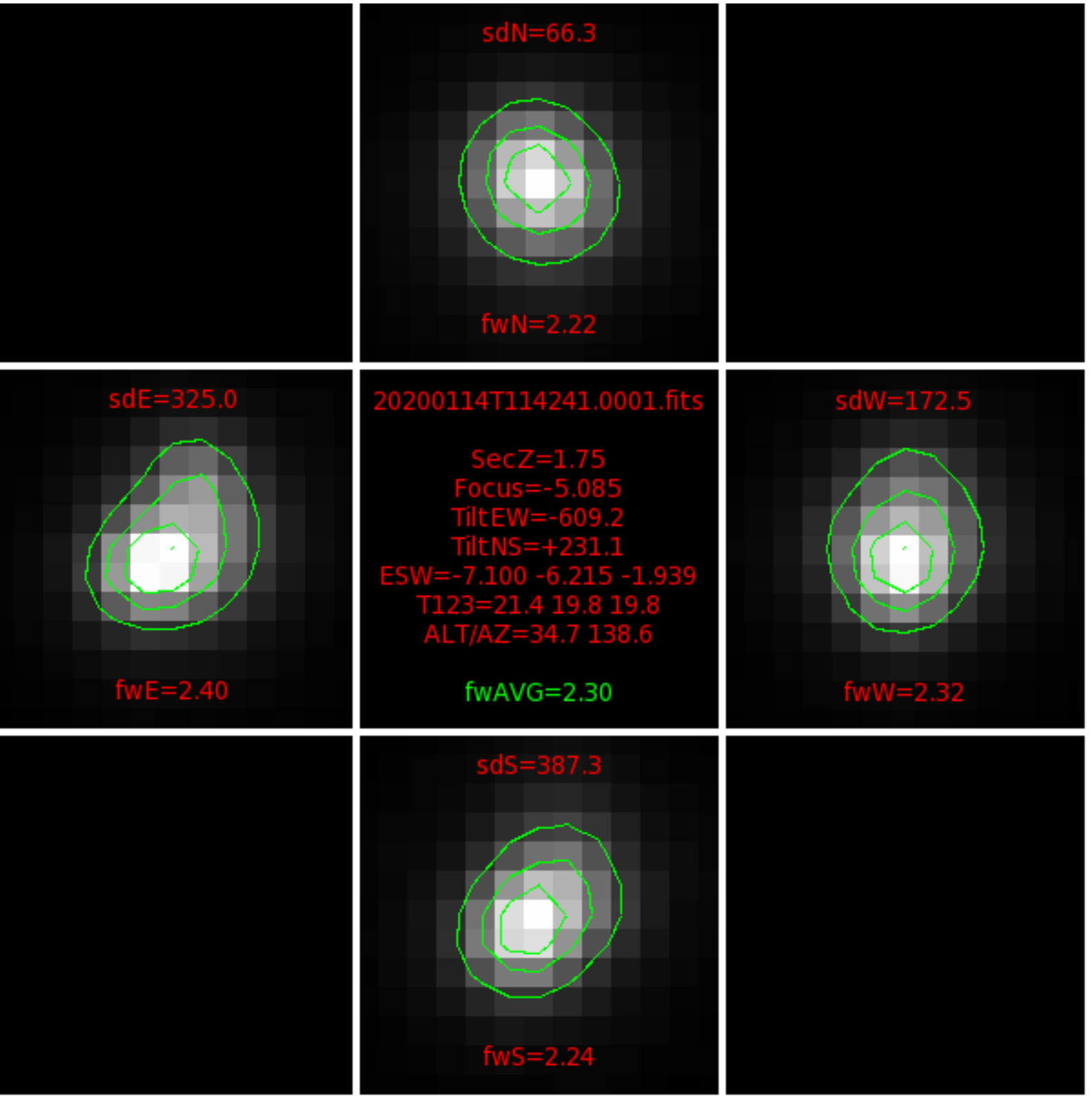
sdN=66.3
fwN=2.22
sdE=325.0
fwE=2.40
20200114T114241.0001.fits
SecZ=1.75
Focus=-5.085
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.100 -6.215 -1.939
T123=21.4 19.8 19.8
ALT/AZ=34.7 138.6
fwAVG=2.30
sdW=172.5
fwW=2.32
sdS=387.3
fwS=2.24
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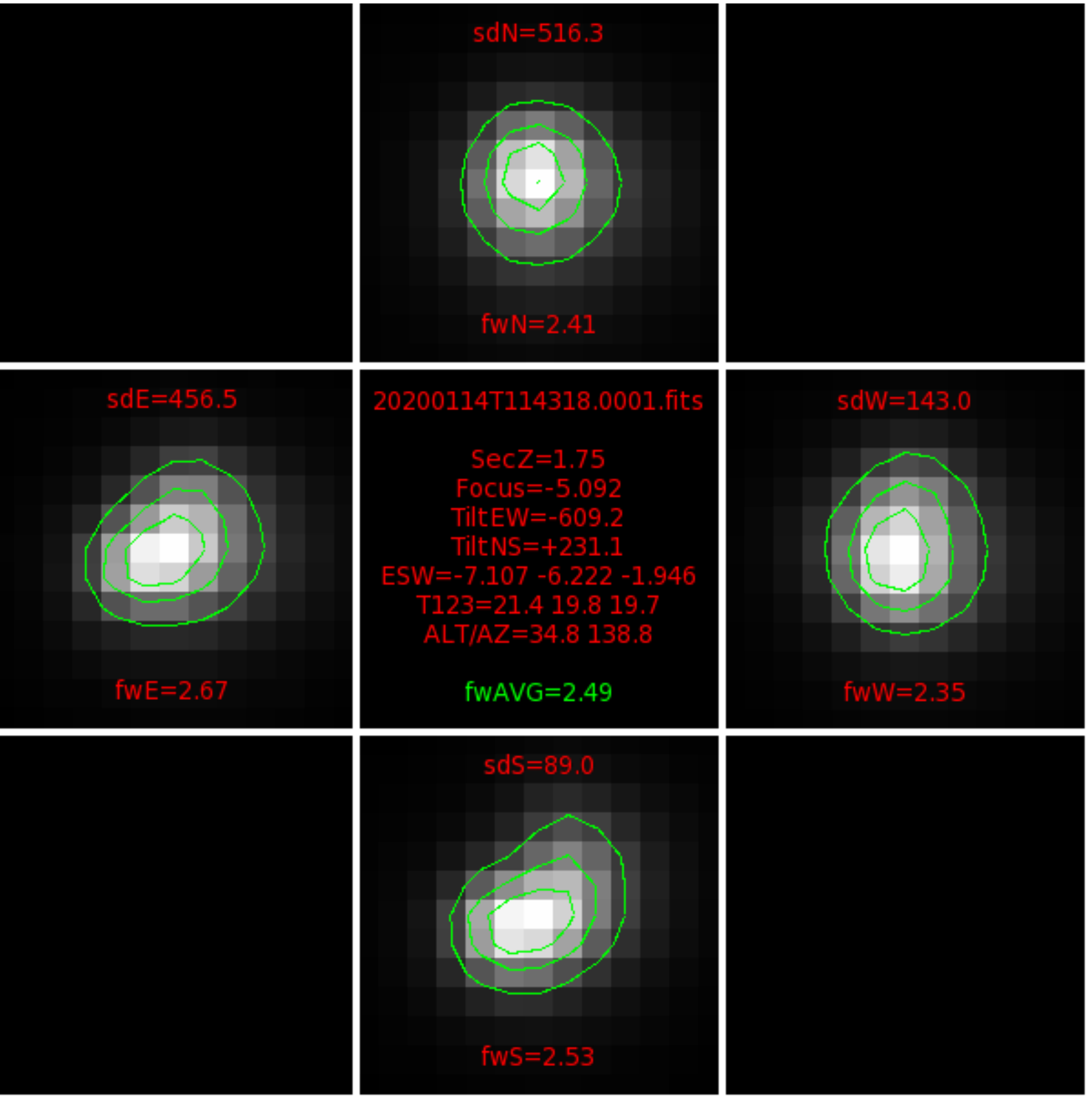
sdN=516.3
fwN=2.41
sdE=456.5
fwE=2.67
20200114T114318.0001.fits
SecZ=1.75
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.8 19.7
ALT/AZ=34.8 138.8
fwAVG=2.49
sdW=143.0
fwW=2.35
sdS=89.0
fwS=2.53
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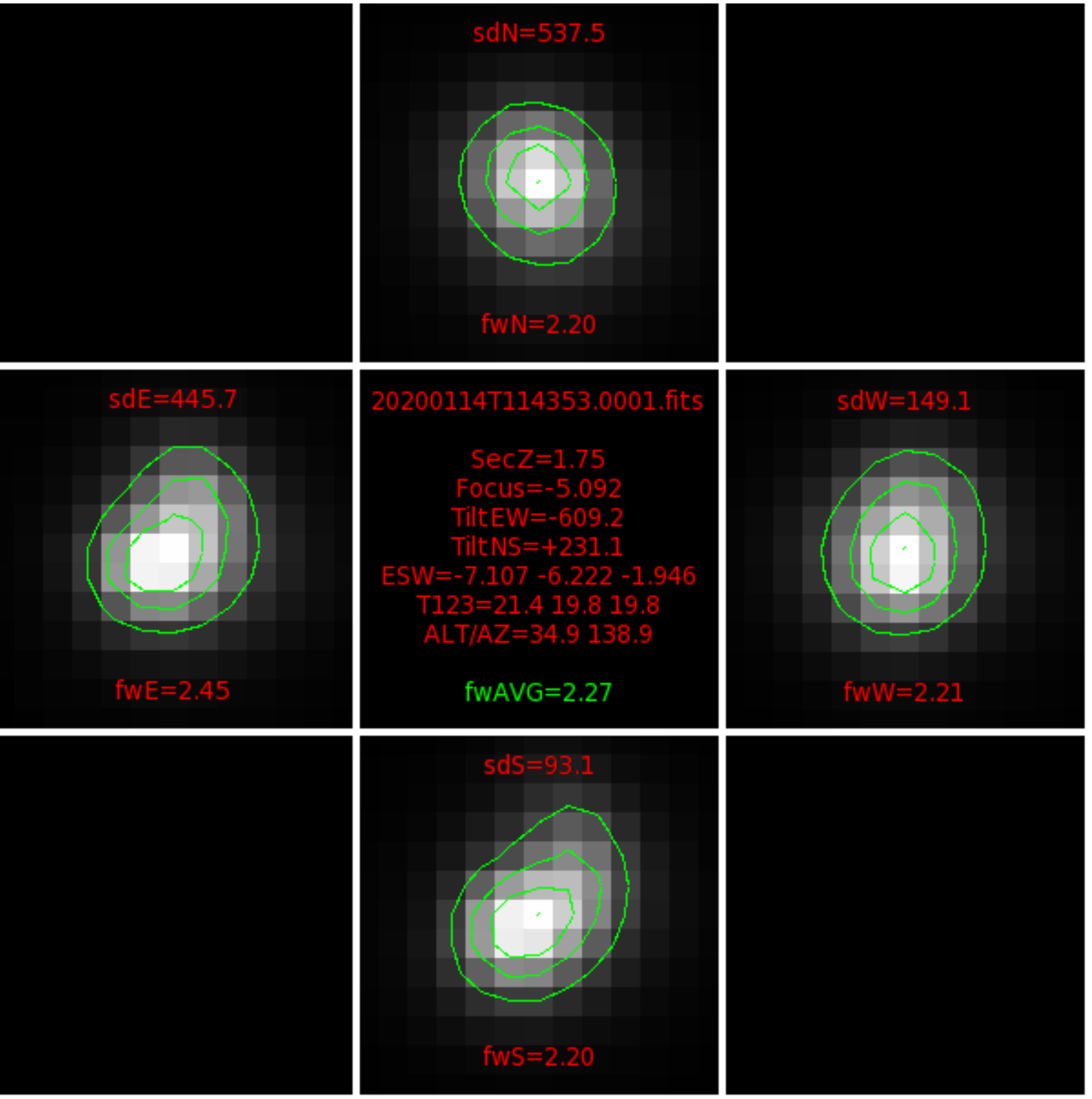
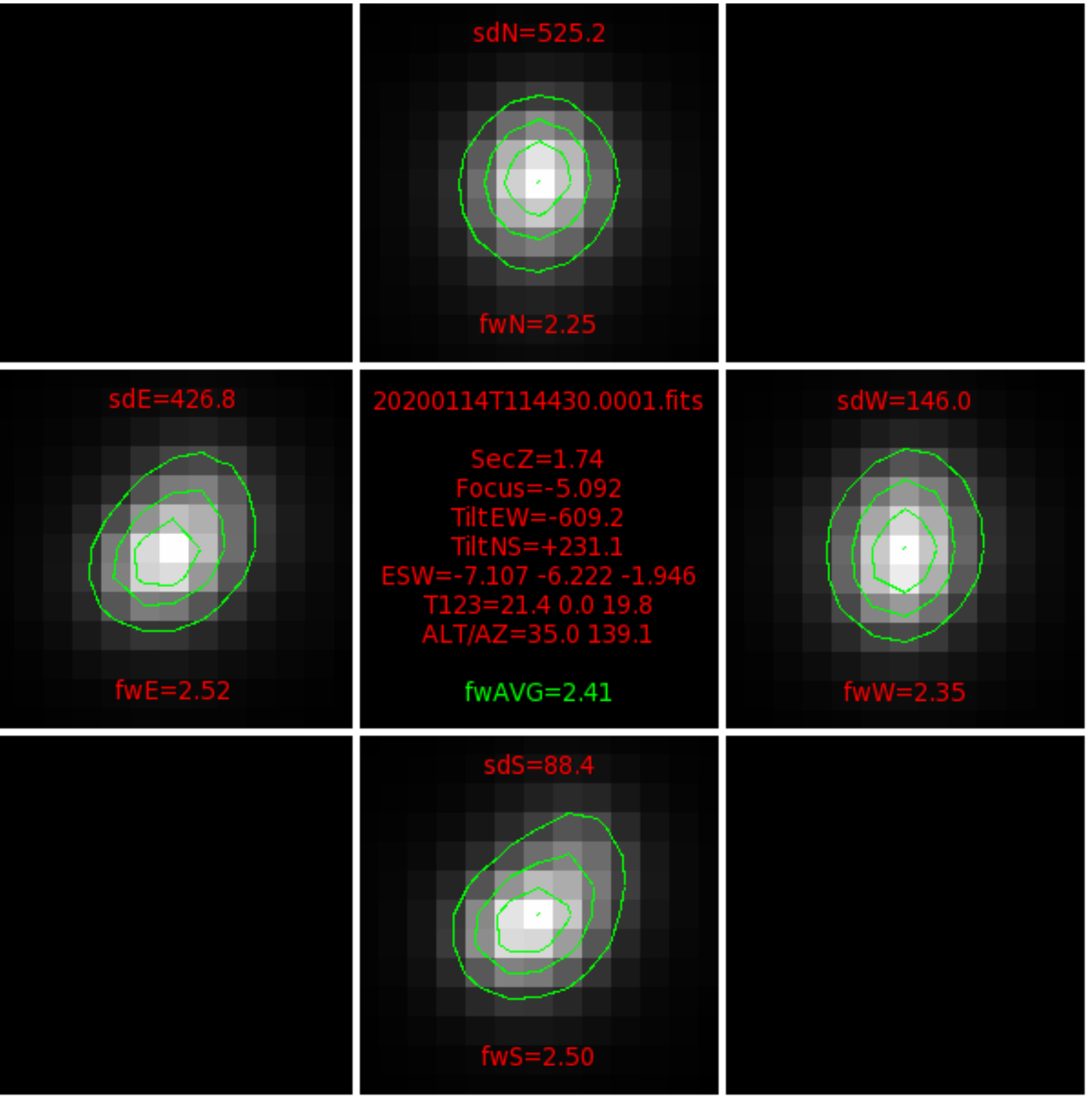

sdN=537.5
fwN=2.20
sdE=445.7
fwE=2.45
20200114T114353.0001.fits
SecZ=1.75
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.8 19.8
ALT/AZ=34.9 138.9
fwAVG=2.27
sdW=149.1
fwW=2.21
sdS=93.1
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=525.2
fwN=2.25
sdE=426.8
fwE=2.52
20200114T114430.0001.fits
SecZ=1.74
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 0.0 19.8
ALT/AZ=35.0 139.1
fwAVG=2.41
sdW=146.0
fwW=2.35
sdS=88.4
fwS=2.50
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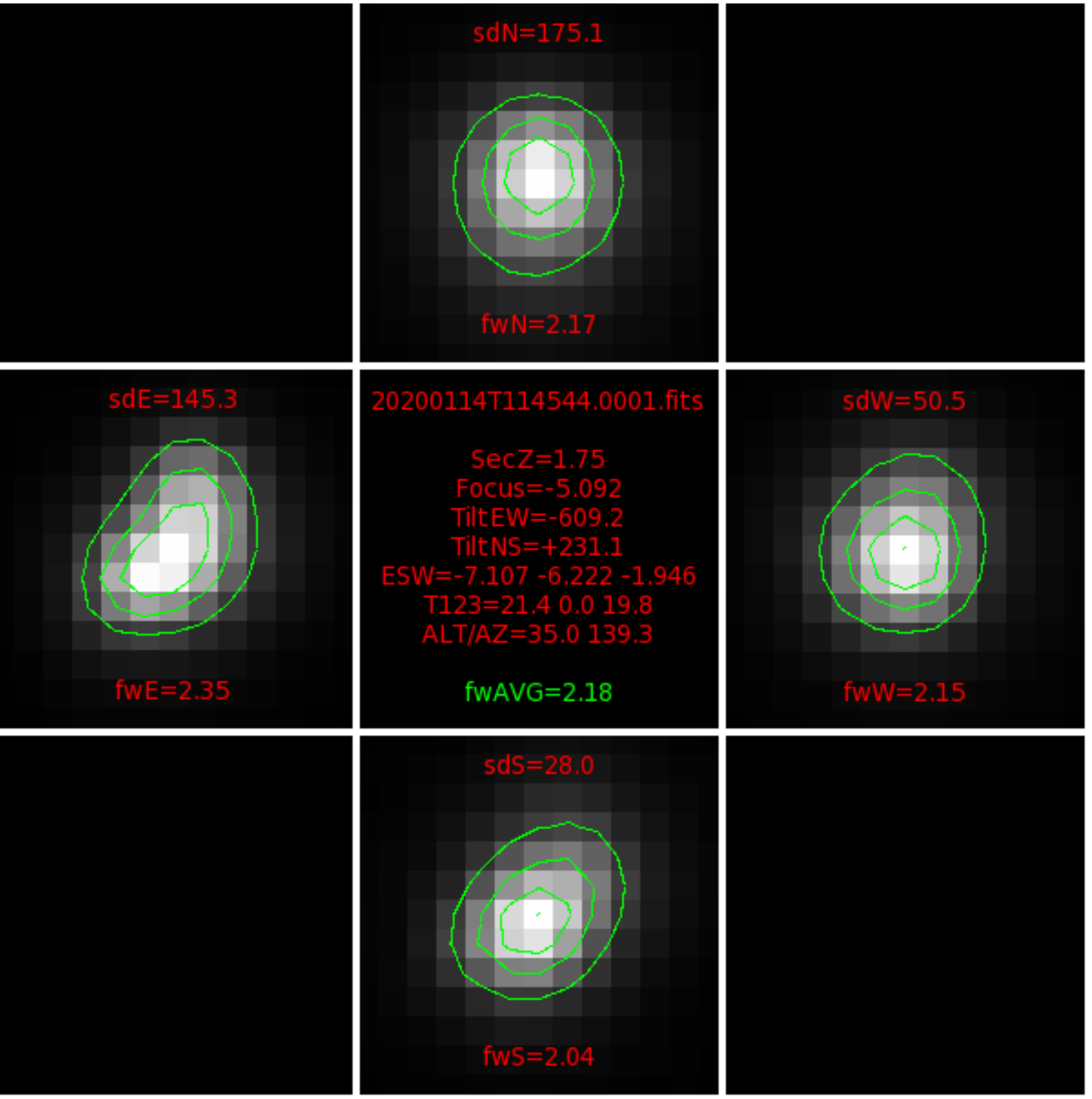
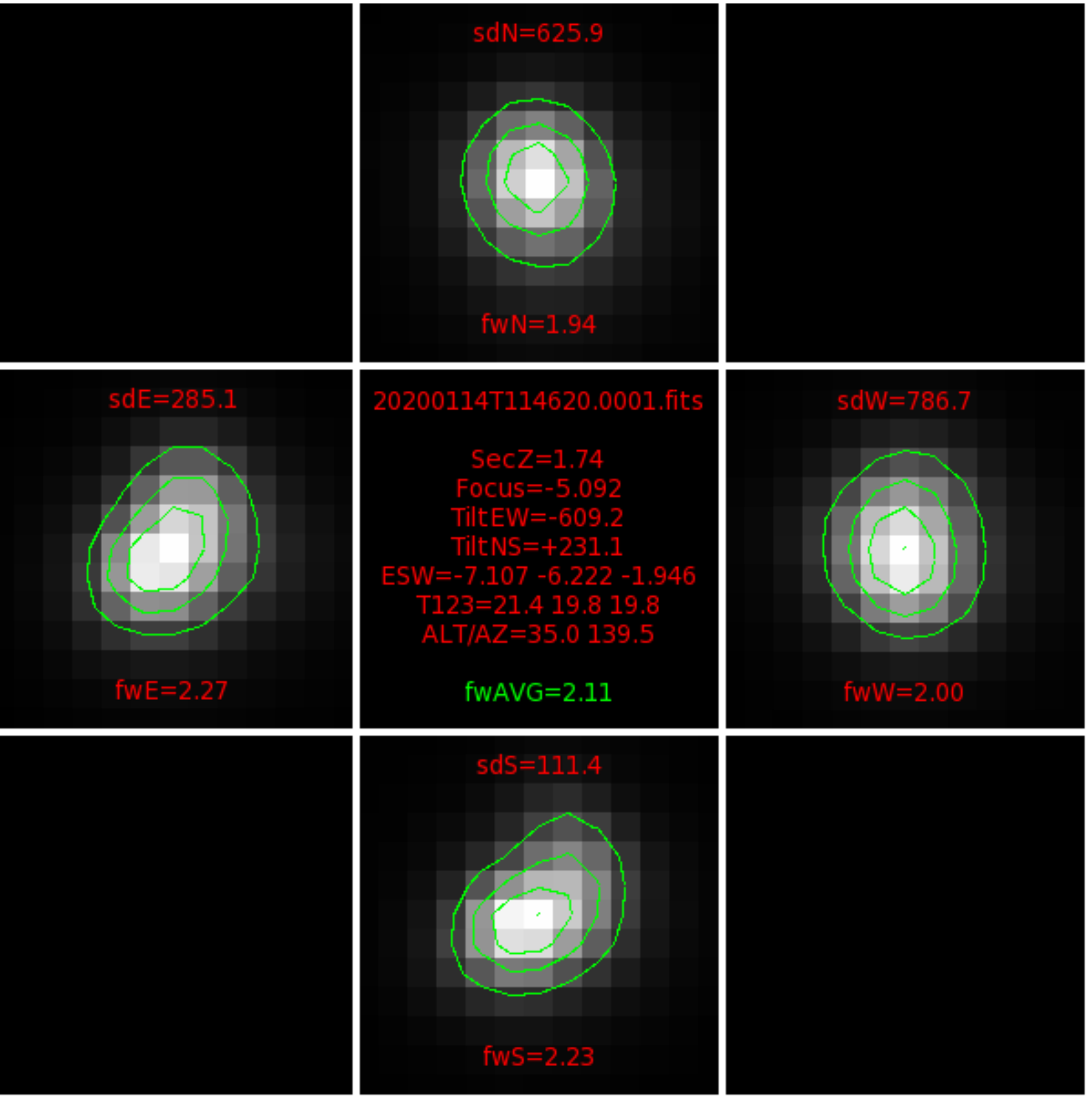

sdN=175.1
fwN=2.17
sdE=145.3
fwE=2.35
20200114T114544.0001.fits
SecZ=1.75
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 0.0 19.8
ALT/AZ=35.0 139.3
fwAVG=2.18
sdW=50.5
fwW=2.15
sdS=28.0
fwS=2.04
0 0 0 0 0 0 0 0 0


sdN=625.9
fwN=1.94
sdE=285.1
fwE=2.27
20200114T114620.0001.fits
SecZ=1.74
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.8 19.8
ALT/AZ=35.0 139.5
fwAVG=2.11
sdW=786.7
fwW=2.00
sdS=111.4
fwS=2.23
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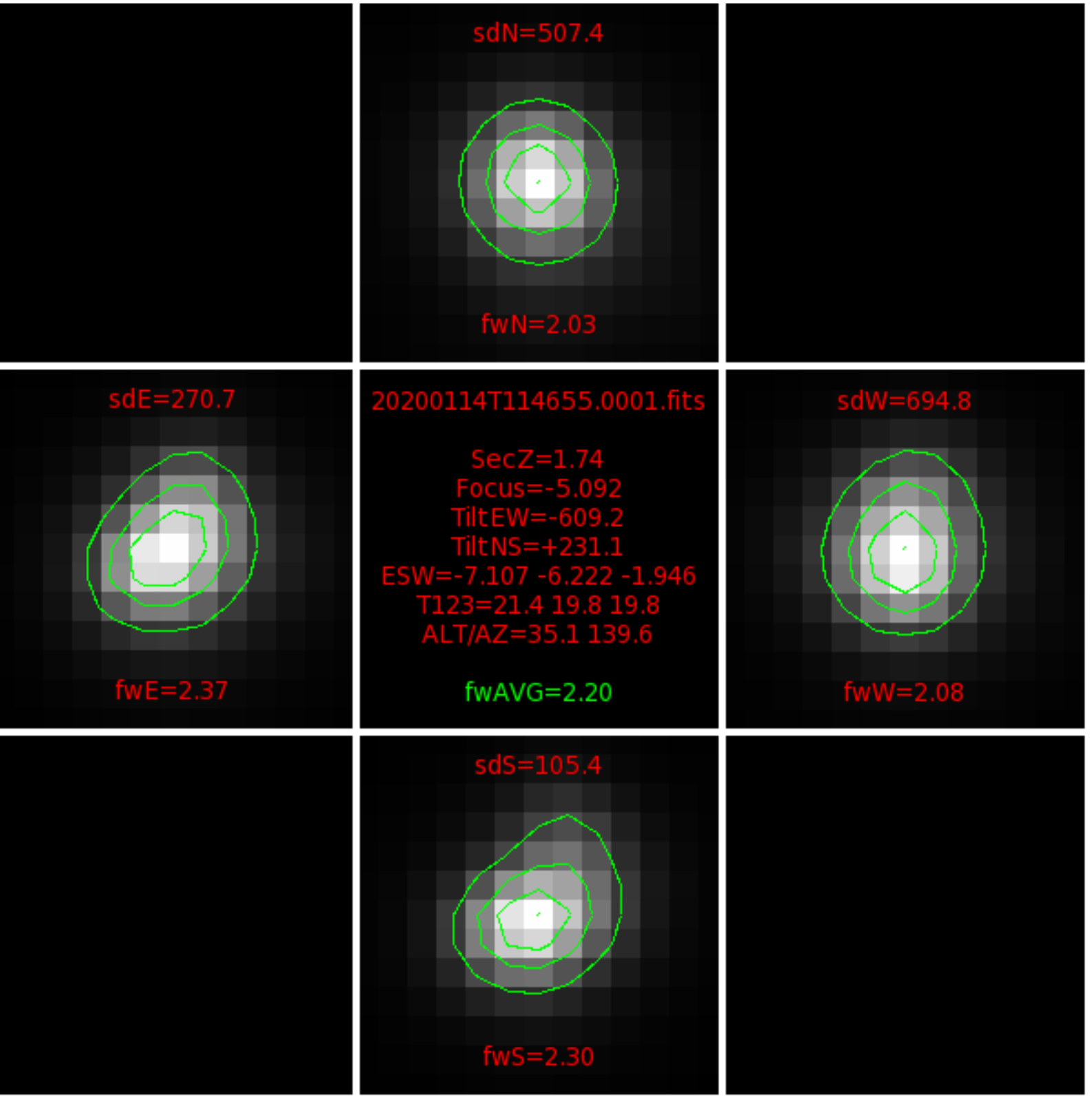
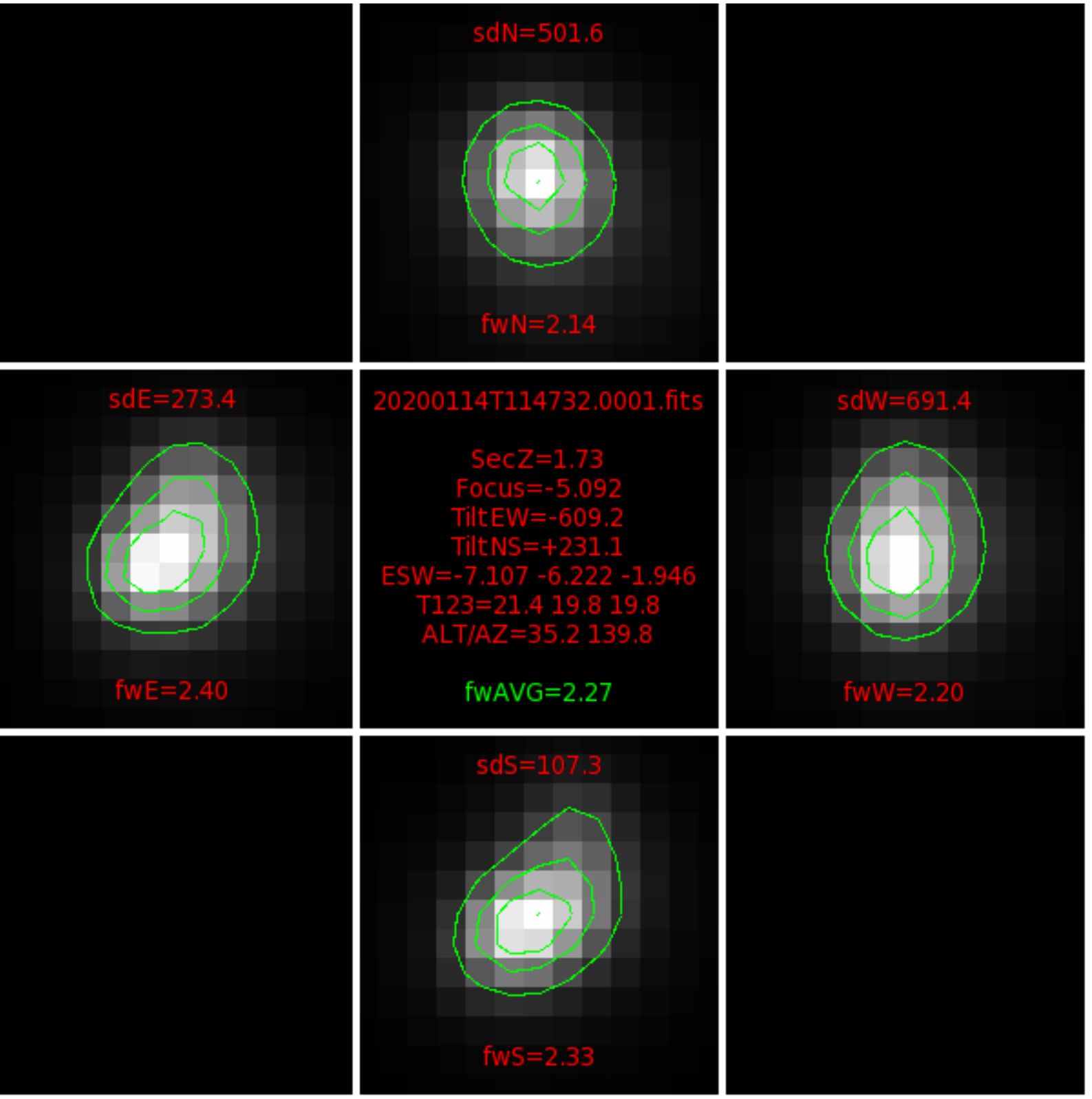
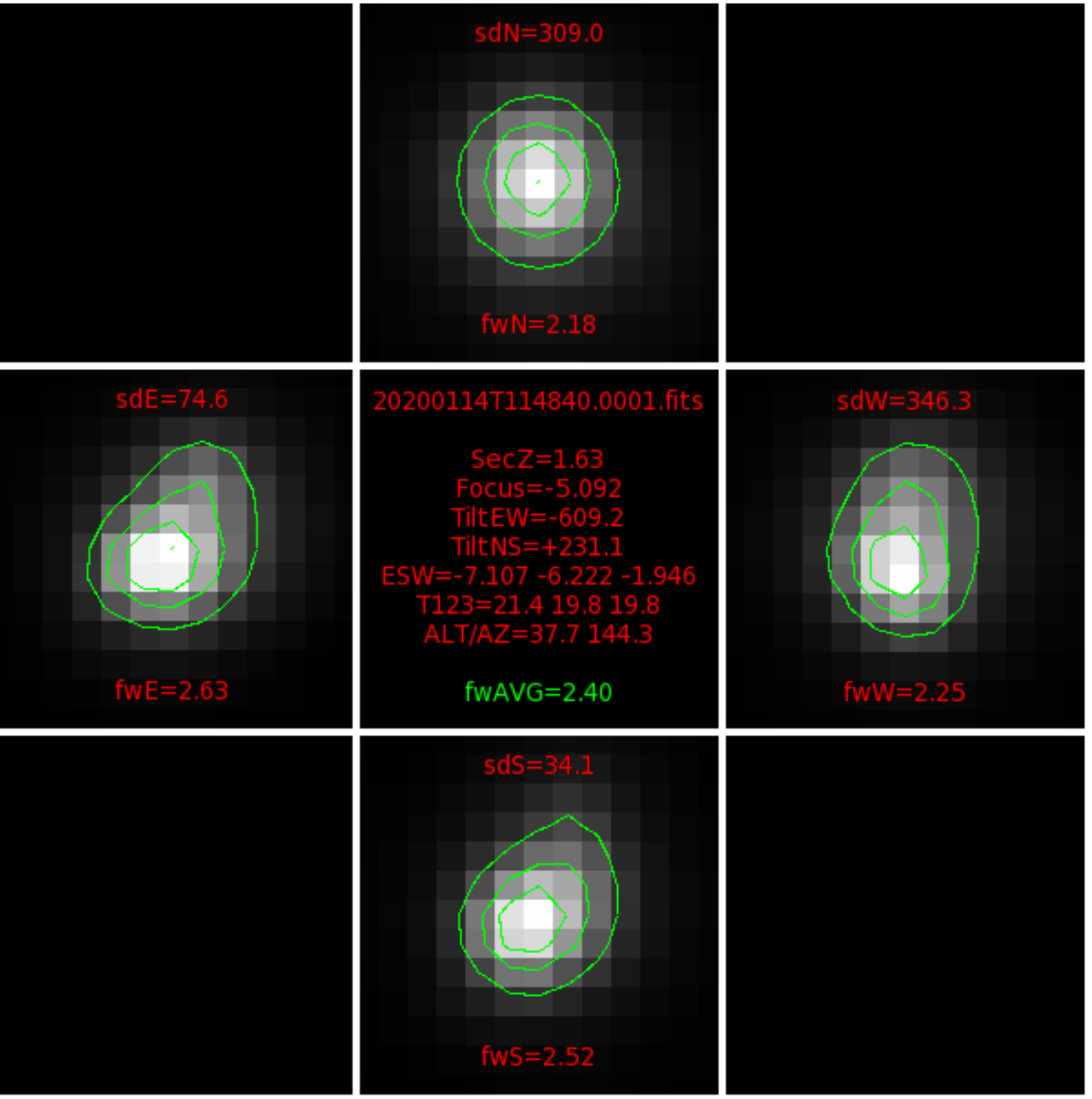

sdN=507.4
fwN=2.03
sdE=270.7
fwE=2.37
20200114T114655.0001.fits
SecZ=1.74
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.8 19.8
ALT/AZ=35.1 139.6
fwAVG=2.20
sdW=694.8
fwW=2.08
sdS=105.4
fwS=2.30
0 0 0 0 0 0 0 0 0


sdN=501.6
fwN=2.14
sdE=273.4
fwE=2.40
20200114T114732.0001.fits
SecZ=1.73
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.8 19.8
ALT/AZ=35.2 139.8
fwAVG=2.27
sdW=691.4
fwW=2.20
sdS=107.3
fwS=2.33
0 0 0 0 0 0 0 0 0


sdN=309.0
fwN=2.18
sdE=74.6
fwE=2.63
20200114T114840.0001.fits
SecZ=1.63
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.8 19.8
ALT/AZ=37.7 144.3
fwAVG=2.40
sdW=346.3
fwW=2.25
sdS=34.1
fwS=2.52
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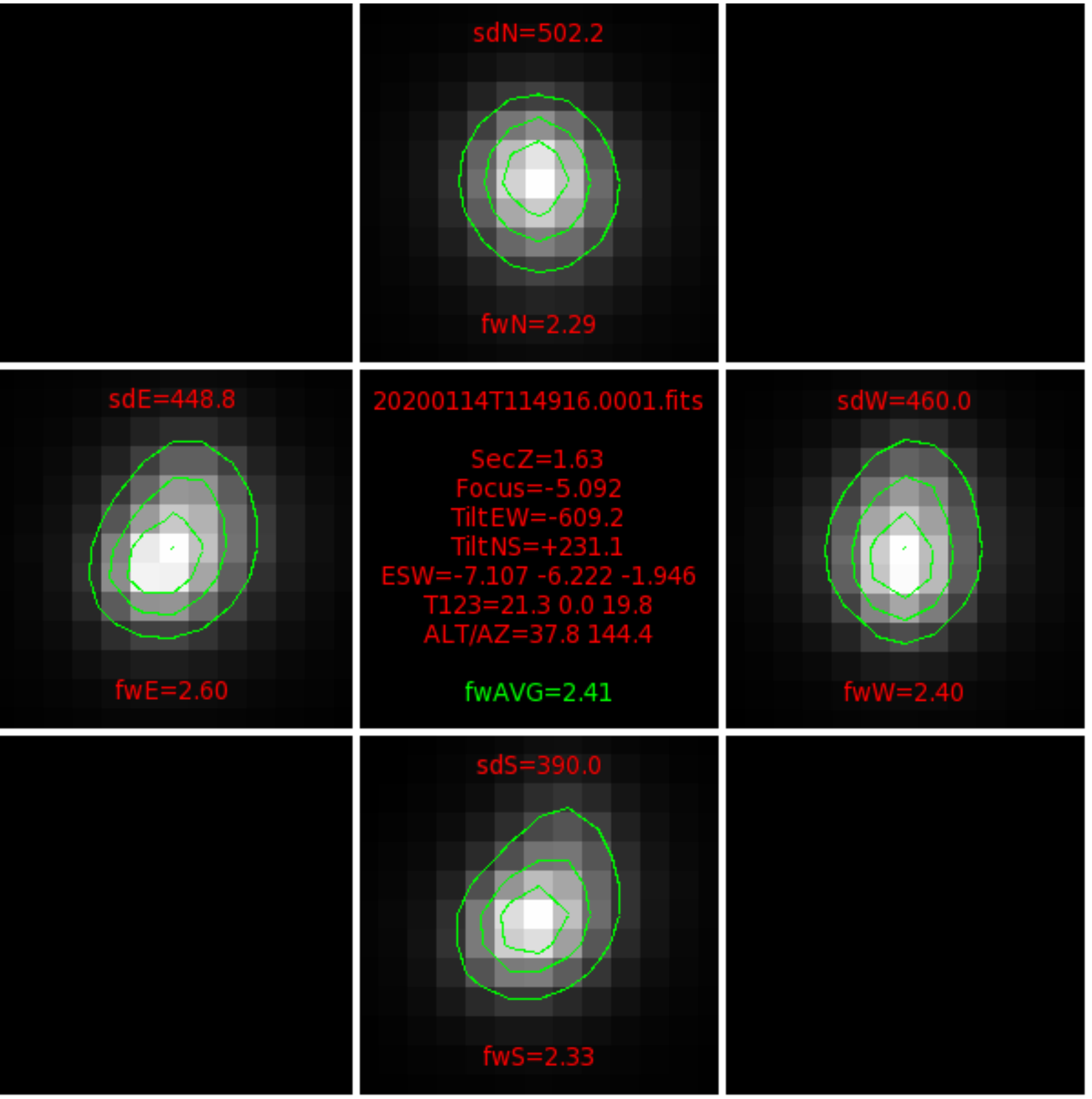
sdN=502.2
fwN=2.29
sdE=448.8
fwE=2.60
20200114T114916.0001.fits
SecZ=1.63
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.3 0.0 19.8
ALT/AZ=37.8 144.4
fwAVG=2.41
sdW=460.0
fwW=2.40
sdS=390.0
fwS=2.33
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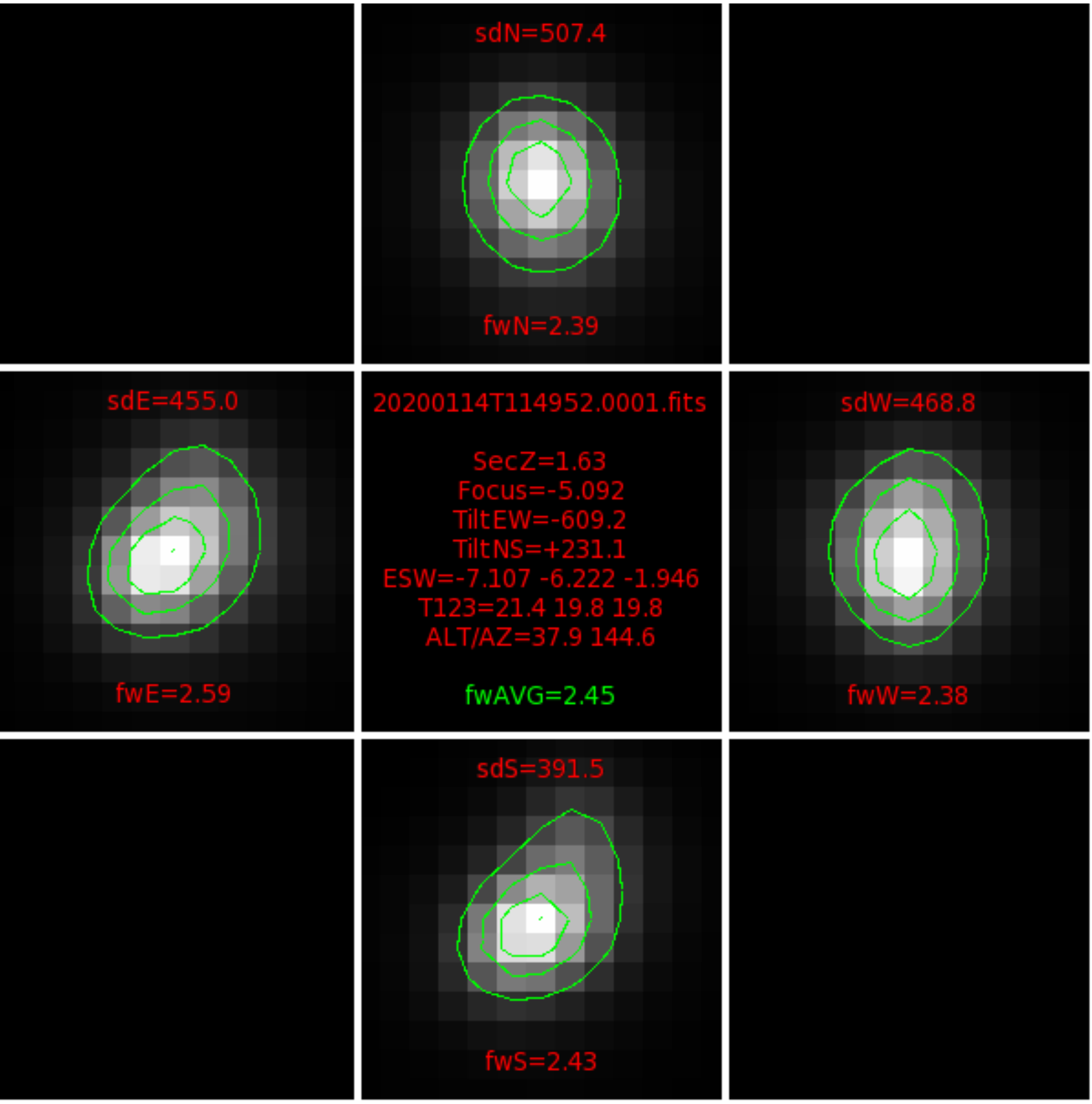
sdN=507.4
fwN=2.39
sdE=455.0
fwE=2.59
20200114T114952.0001.fits
SecZ=1.63
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.8 19.8
ALT/AZ=37.9 144.6
fwAVG=2.45
sdW=468.8
fwW=2.38
sdS=391.5
fwS=2.43
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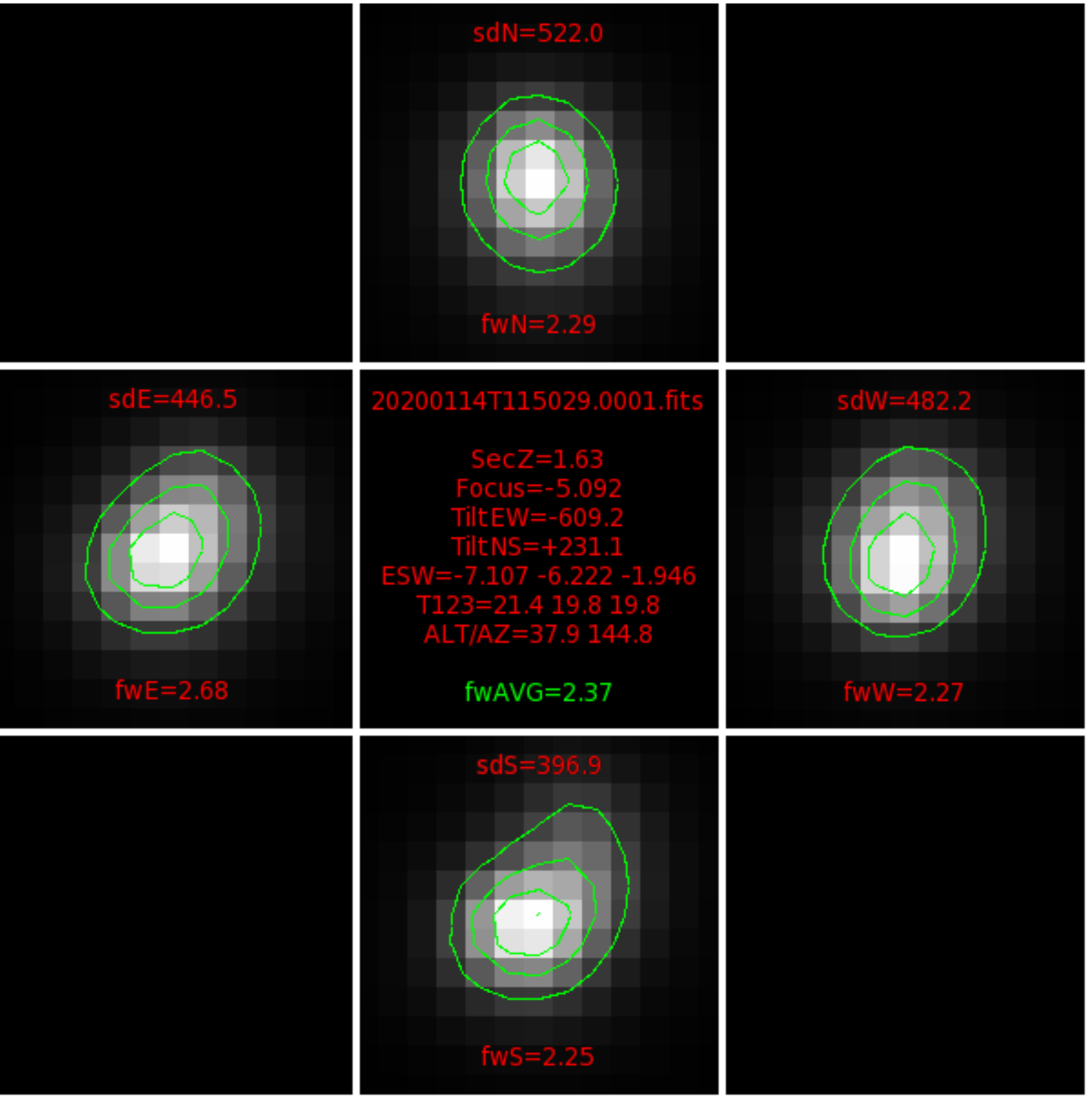
sdN=522.0
fwN=2.29
sdE=446.5
fwE=2.68
20200114T115029.0001.fits
SecZ=1.63
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.8 19.8
ALT/AZ=37.9 144.8
fwAVG=2.37
sdW=482.2
fwW=2.27
sdS=396.9
fwS=2.25
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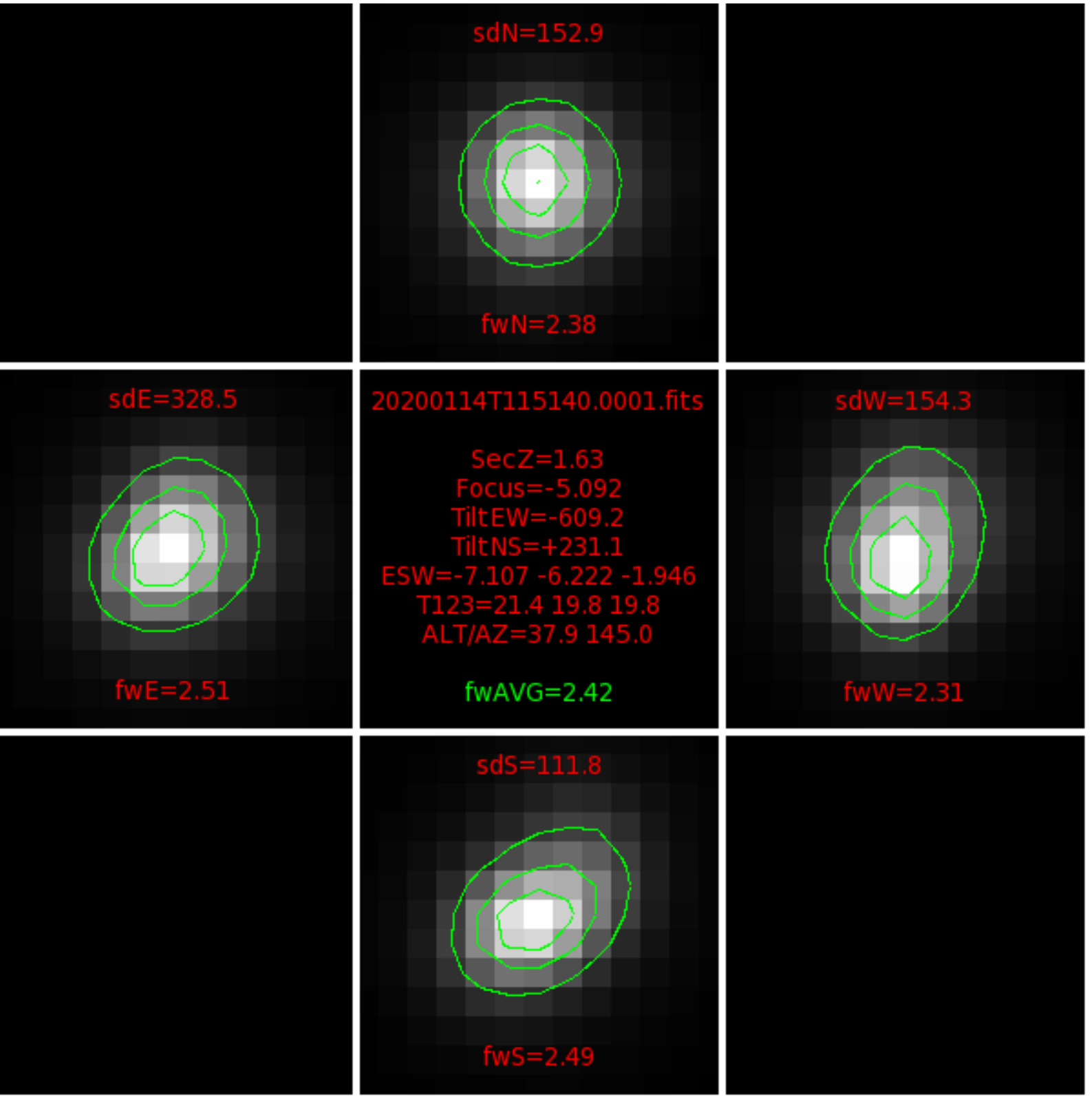
sdN=152.9
fwN=2.38
sdE=328.5
fwE=2.51
20200114T115140.0001.fits
SecZ=1.63
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.8 19.8
ALT/AZ=37.9 145.0
fwAVG=2.42
sdW=154.3
fwW=2.31
sdS=111.8
fwS=2.49
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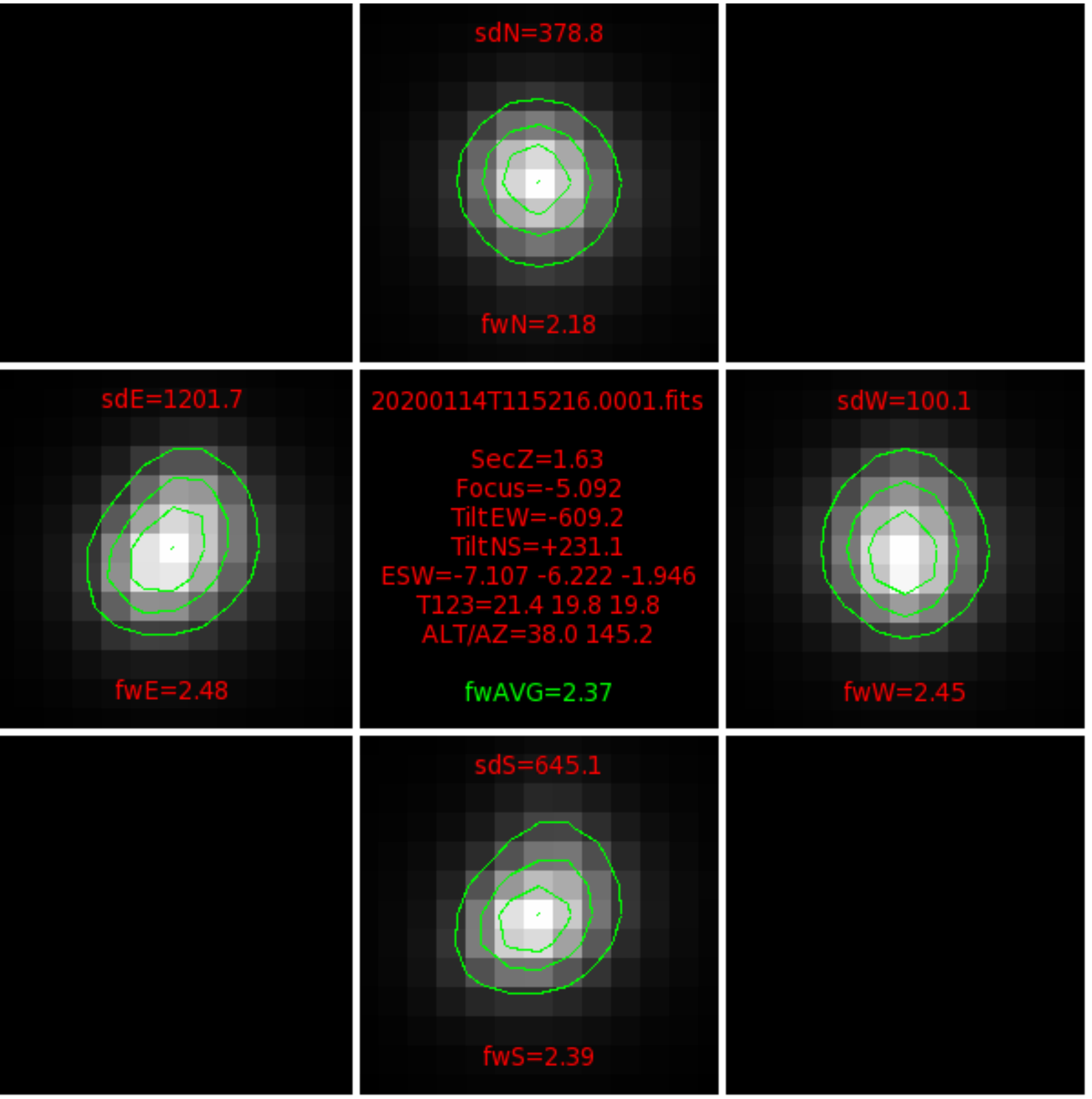
sdN=378.8
fwN=2.18
sdE=1201.7
fwE=2.48
20200114T115216.0001.fits
SecZ=1.63
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.8 19.8
ALT/AZ=38.0 145.2
fwAVG=2.37
sdW=100.1
fwW=2.45
sdS=645.1
fwS=2.39
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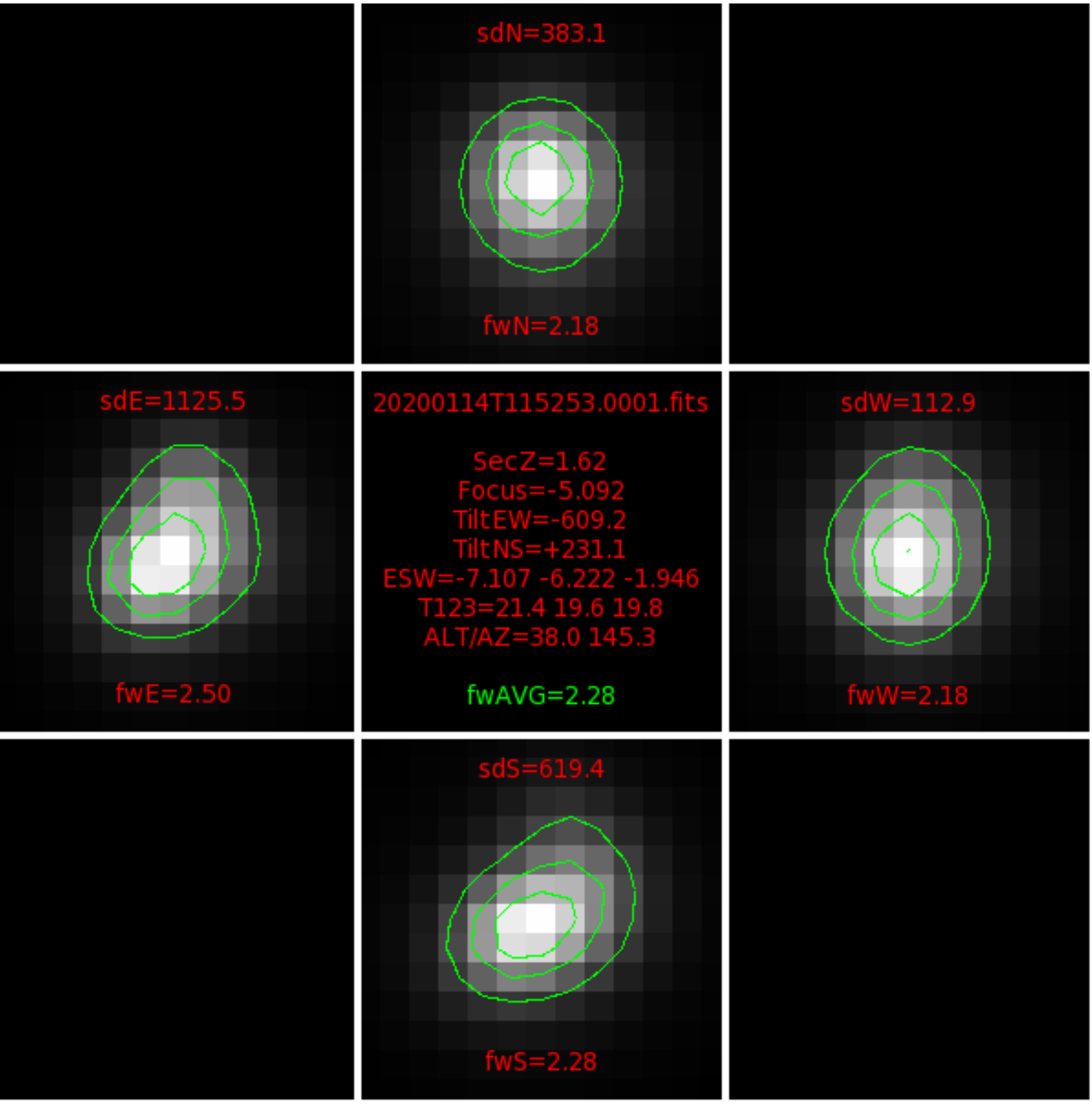
sdN=383.1
fwN=2.18
sdE=1125.5
fwE=2.50
20200114T115253.0001.fits
SecZ=1.62
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.6 19.8
ALT/AZ=38.0 145.3
fwAVG=2.28
sdW=112.9
fwW=2.18
sdS=619.4
fwS=2.28
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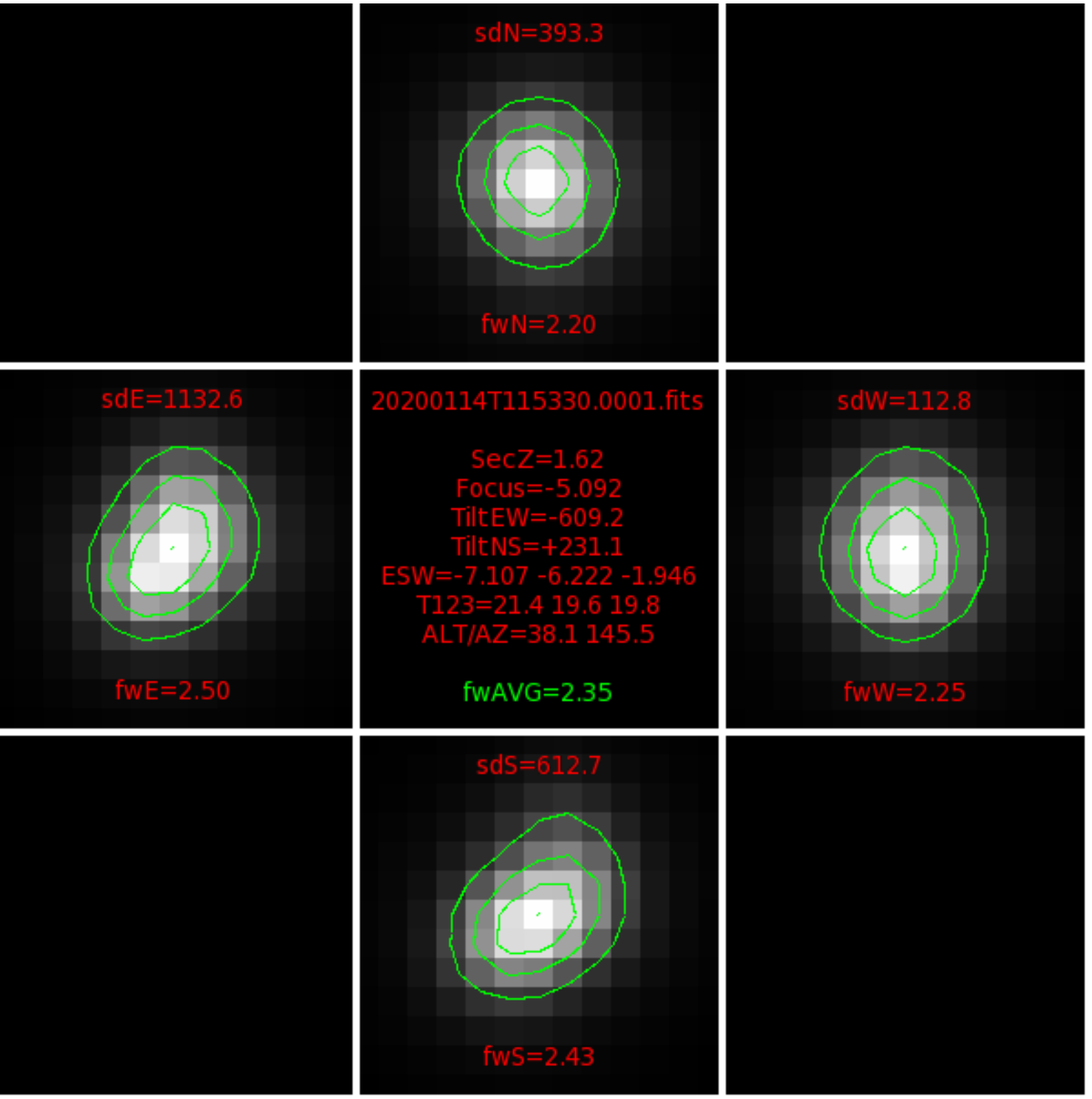
sdN=393.3
fwN=2.20
sdE=1132.6
fwE=2.50
20200114T115330.0001.fits
SecZ=1.62
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.6 19.8
ALT/AZ=38.1 145.5
fwAVG=2.35
sdW=112.8
fwW=2.25
sdS=612.7
fwS=2.43
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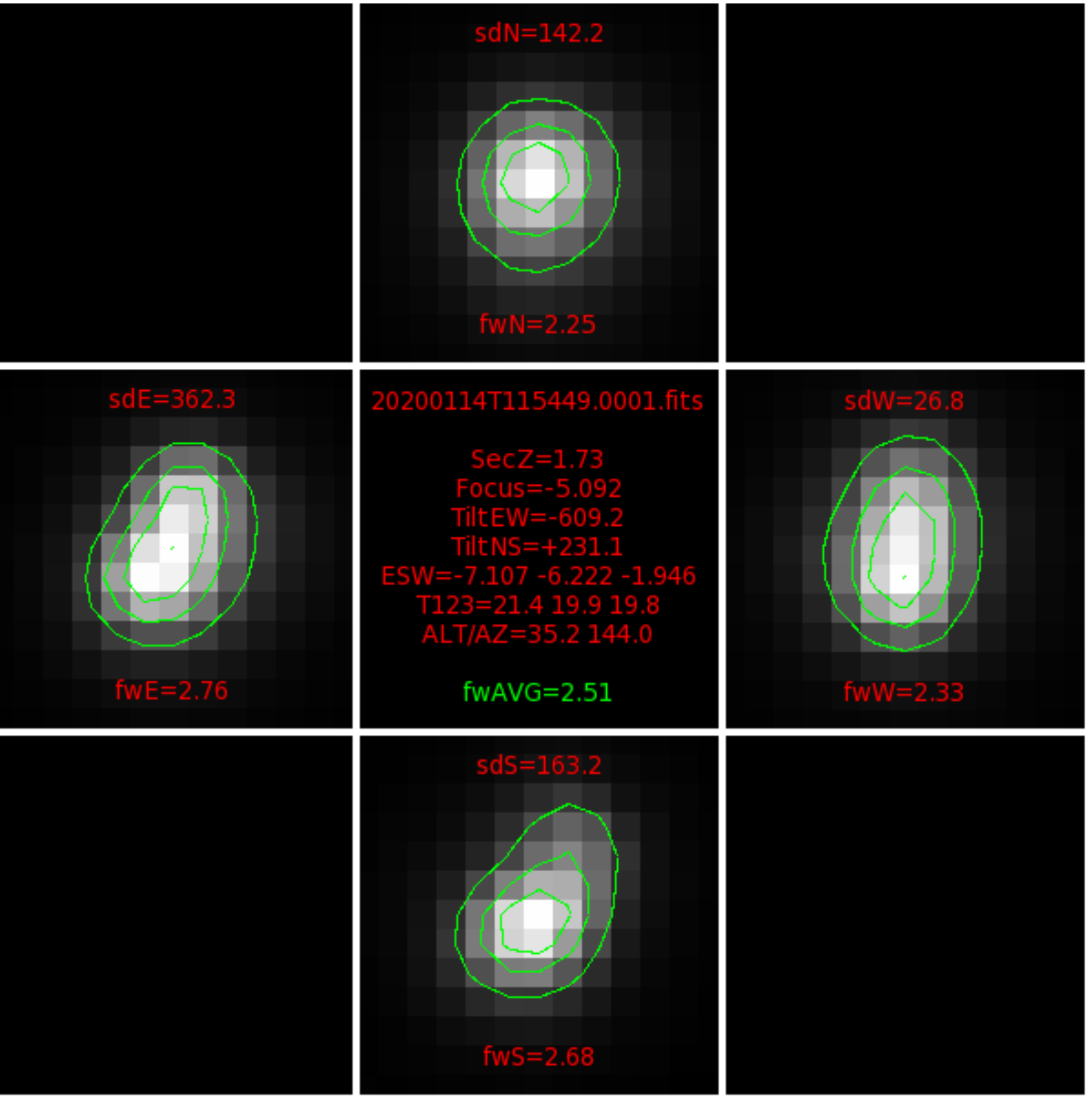
sdN=142.2
fwN=2.25
sdE=362.3
fwE=2.76
20200114T115449.0001.fits
SecZ=1.73
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.9 19.8
ALT/AZ=35.2 144.0
fwAVG=2.51
sdW=26.8
fwW=2.33
sdS=163.2
fwS=2.68
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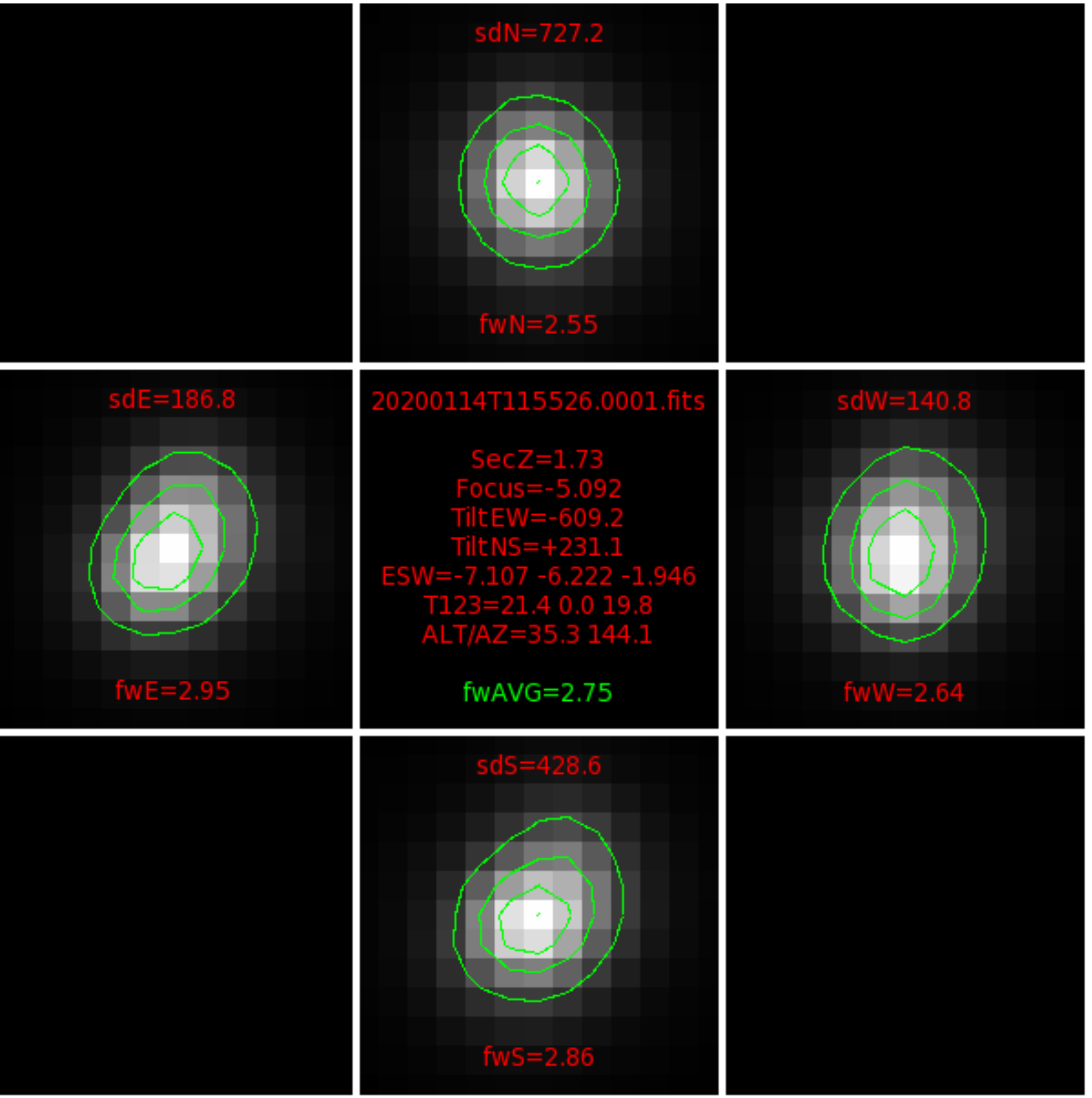
sdN=727.2
fwN=2.55
sdE=186.8
fwE=2.95
20200114T115526.0001.fits
SecZ=1.73
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 0.0 19.8
ALT/AZ=35.3 144.1
fwAVG=2.75
sdW=140.8
fwW=2.64
sdS=428.6
fwS=2.86
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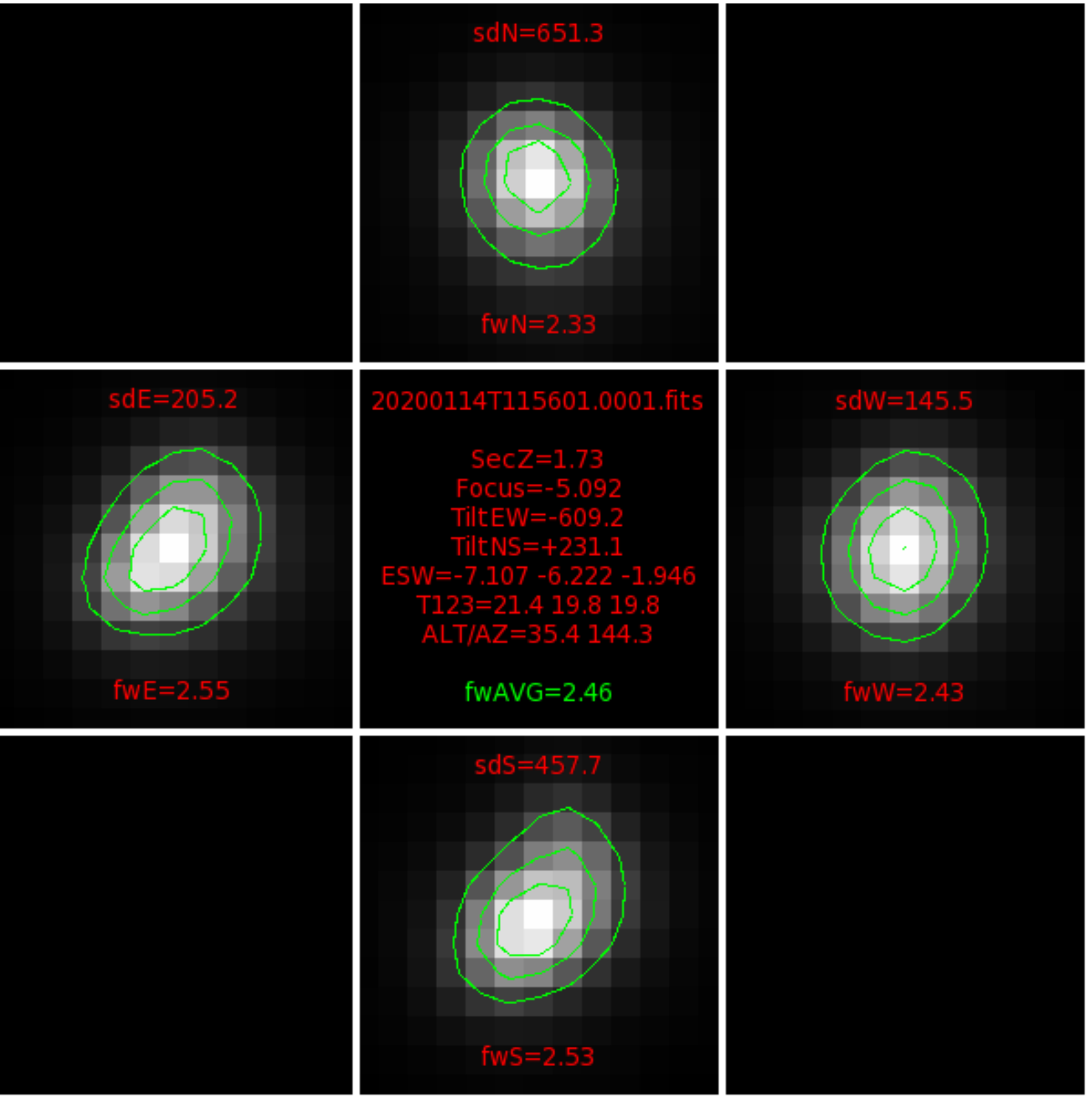
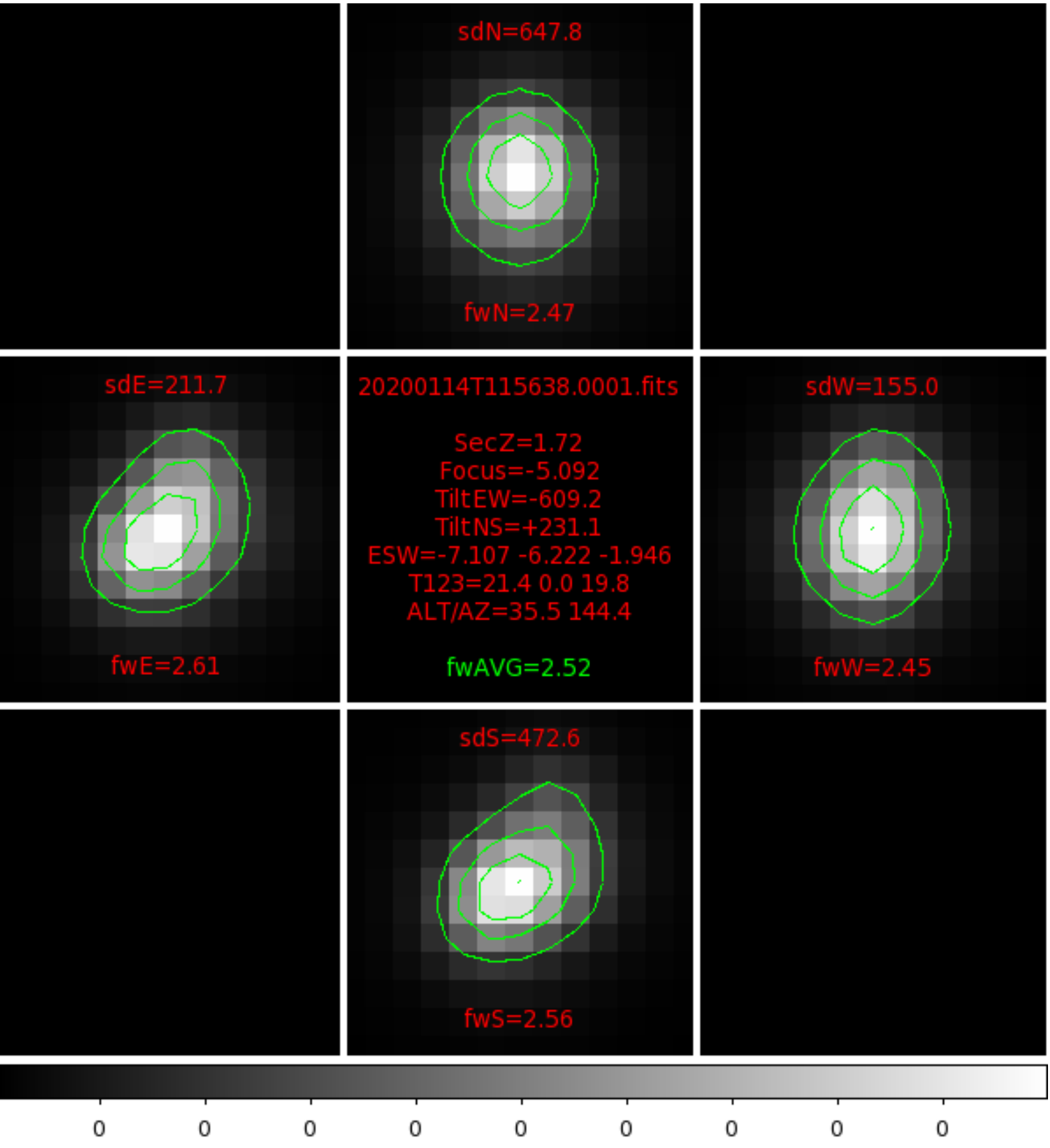
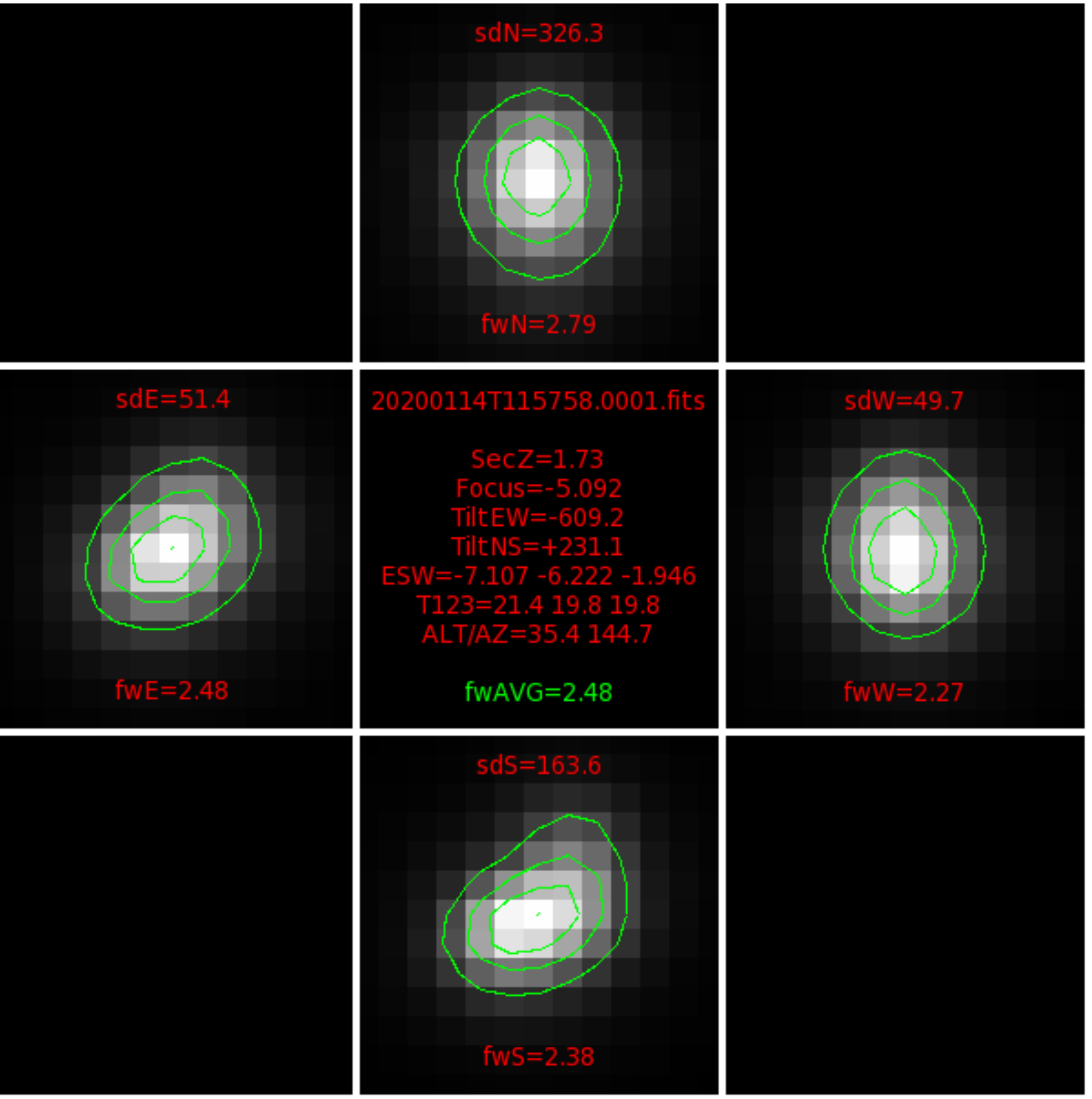
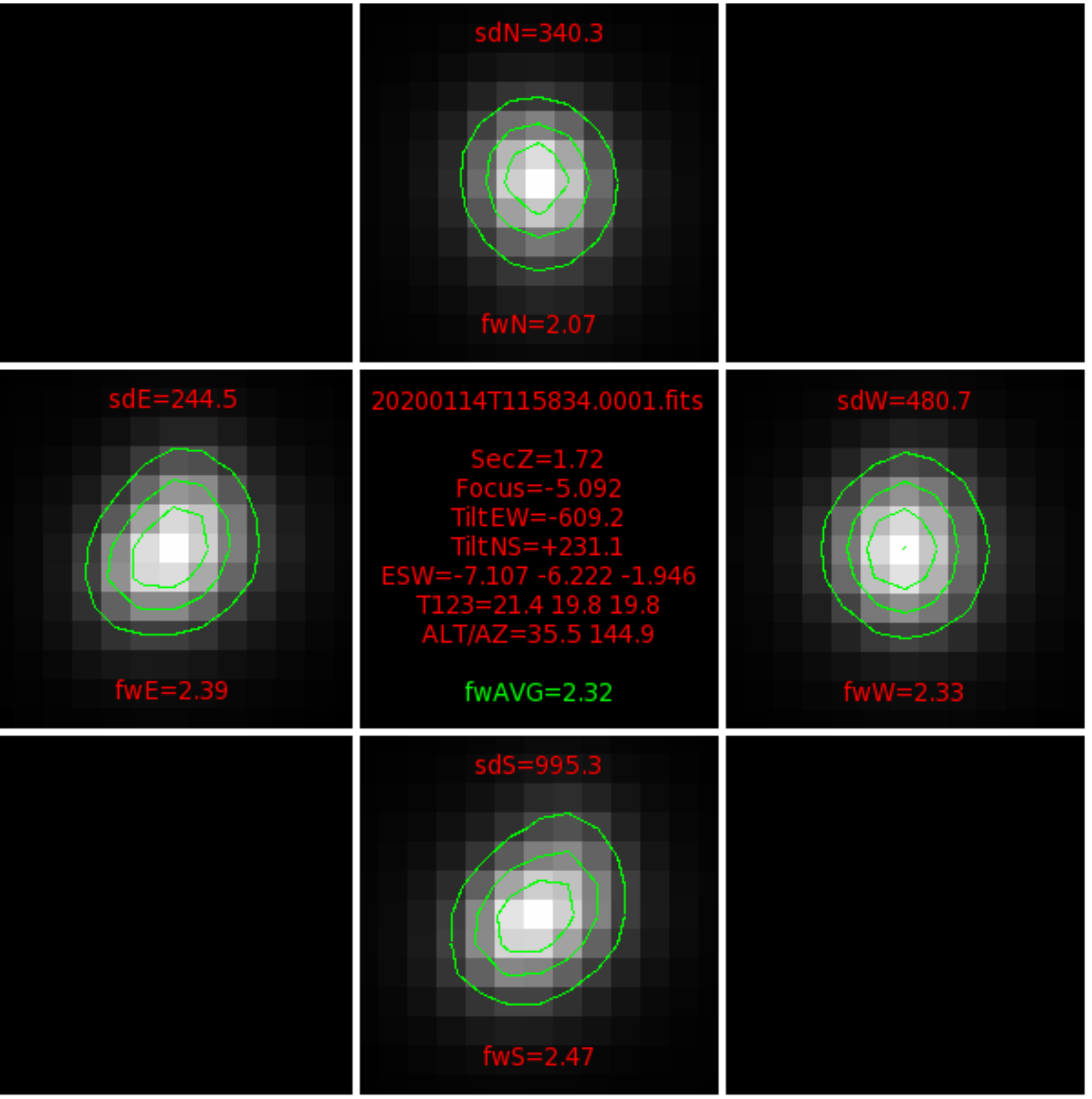
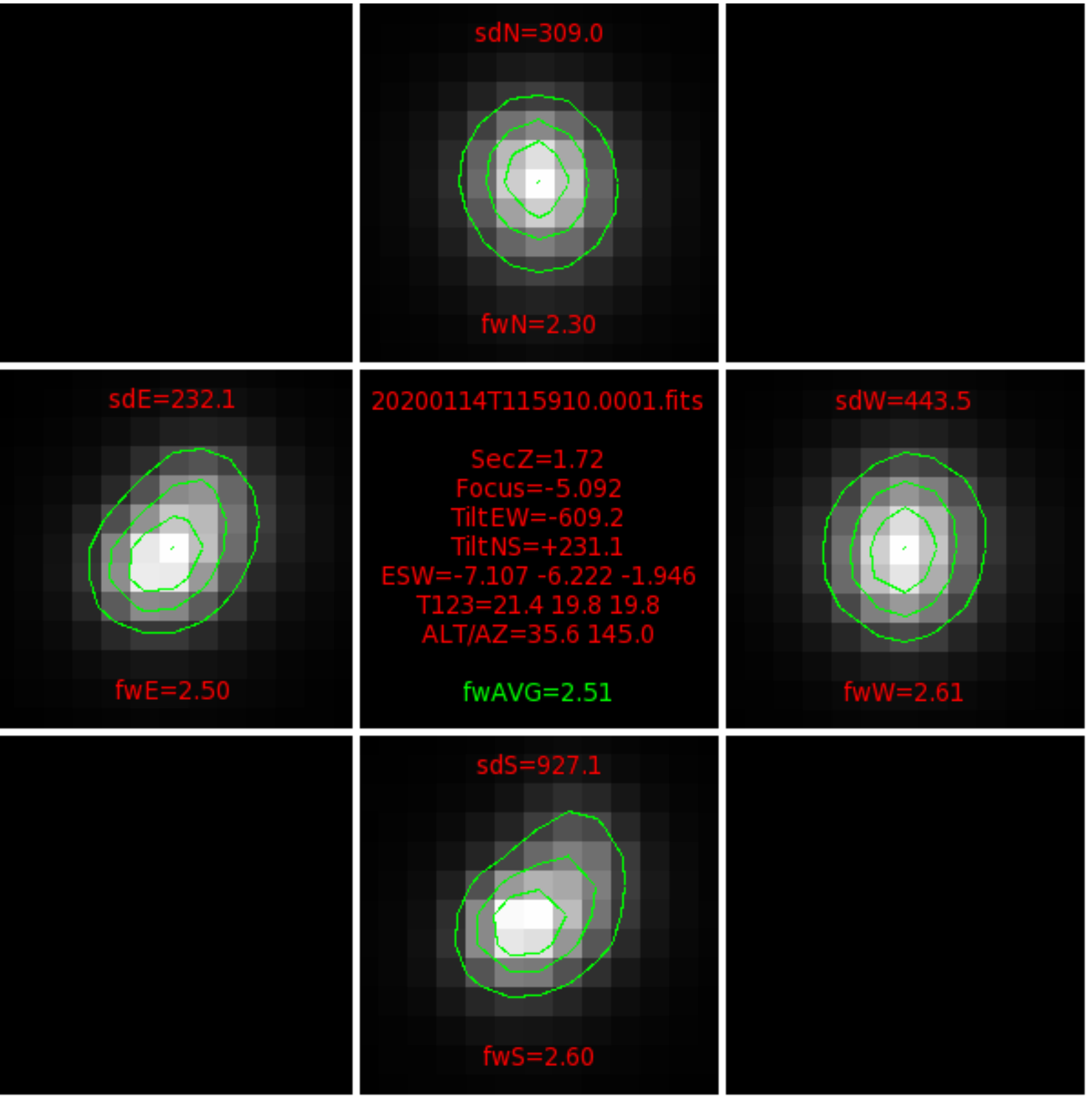
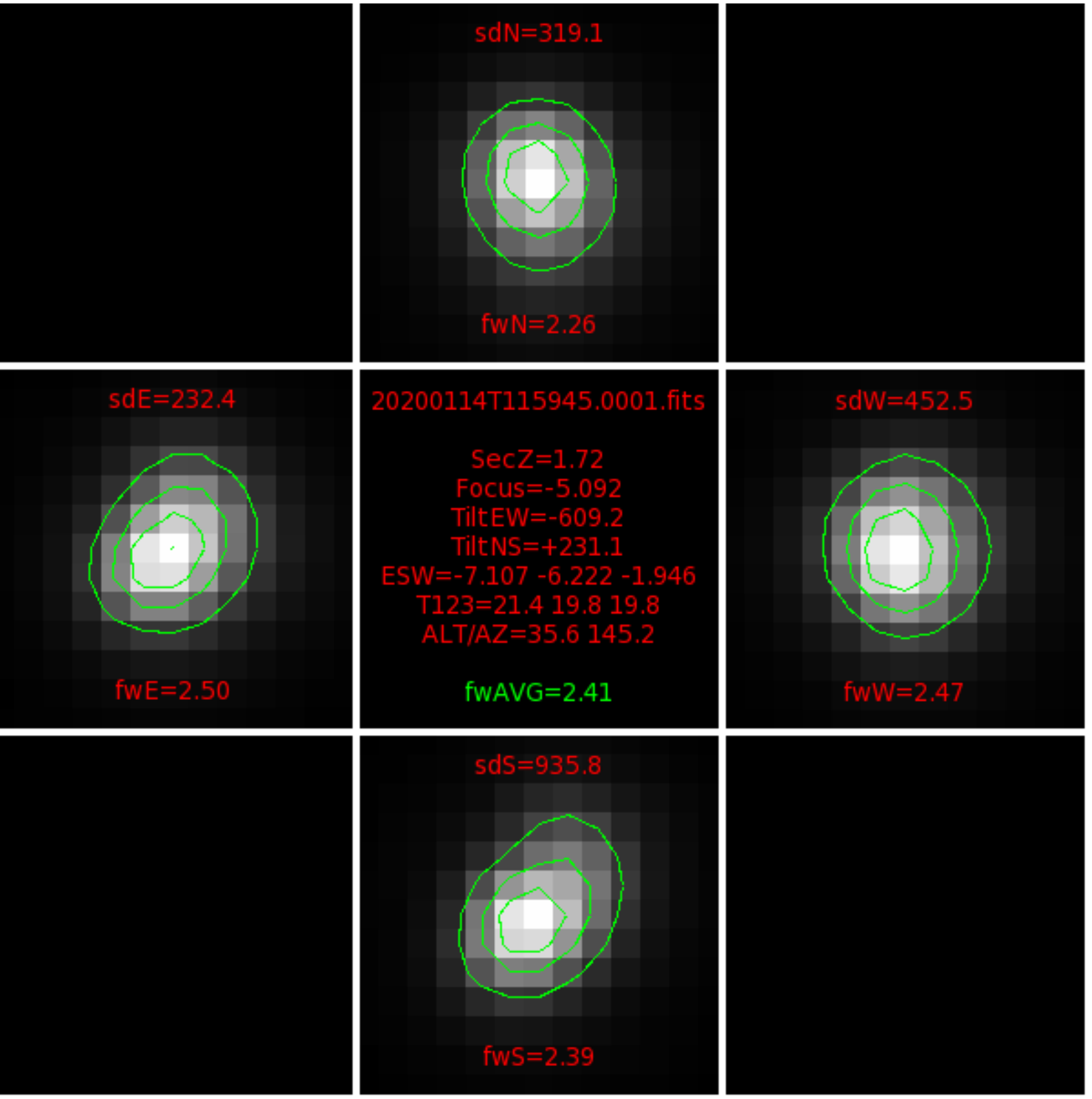

sdN=651.3
fwN=2.33
sdE=205.2
fwE=2.55
20200114T115601.0001.fits
SecZ=1.73
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.8 19.8
ALT/AZ=35.4 144.3
fwAVG=2.46
sdW=145.5
fwW=2.43
sdS=457.7
fwS=2.53
0 0 0 0 0 0 0 0 0


sdN=647.8
fwN=2.47
sdE=211.7
fwE=2.61
20200114T115638.0001.fits
SecZ=1.72
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 0.0 19.8
ALT/AZ=35.5 144.4
fwAVG=2.52
sdW=155.0
fwW=2.45
sdS=472.6
fwS=2.56
0 0 0 0 0 0 0 0 0


sdN=326.3
fwN=2.79
sdE=51.4
fwE=2.48
20200114T115758.0001.fits
SecZ=1.73
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.8 19.8
ALT/AZ=35.4 144.7
fwAVG=2.48
sdW=49.7
fwW=2.27
sdS=163.6
fwS=2.38
0 0 0 0 0 0 0 0 0


sdN=340.3
fwN=2.07
sdE=244.5
fwE=2.39
20200114T115834.0001.fits
SecZ=1.72
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.8 19.8
ALT/AZ=35.5 144.9
fwAVG=2.32
sdW=480.7
fwW=2.33
sdS=995.3
fwS=2.47
0 0 0 0 0 0 0 0 0


sdN=309.0
fwN=2.30
sdE=232.1
fwE=2.50
20200114T115910.0001.fits
SecZ=1.72
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.8 19.8
ALT/AZ=35.6 145.0
fwAVG=2.51
sdW=443.5
fwW=2.61
sdS=927.1
fwS=2.60
0 0 0 0 0 0 0 0 0


sdN=319.1
fwN=2.26
sdE=232.4
fwE=2.50
20200114T115945.0001.fits
SecZ=1.72
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.8 19.8
ALT/AZ=35.6 145.2
fwAVG=2.41
sdW=452.5
fwW=2.47
sdS=935.8
fwS=2.39
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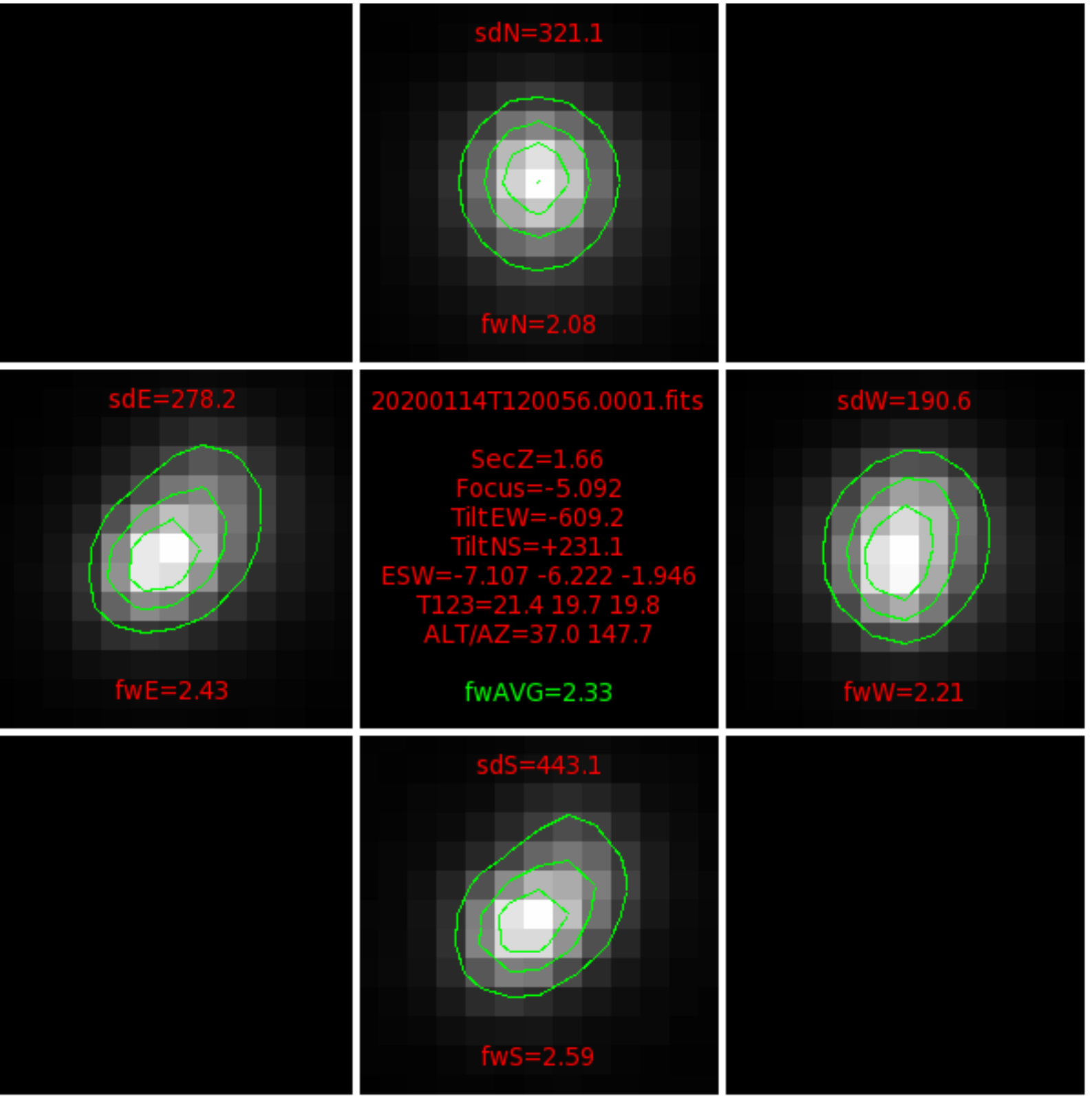
sdN=321.1
fwN=2.08
sdE=278.2
fwE=2.43
20200114T120056.0001.fits
SecZ=1.66
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.4 19.7 19.8
ALT/AZ=37.0 147.7
fwAVG=2.33
sdW=190.6
fwW=2.21
sdS=443.1
fwS=2.59
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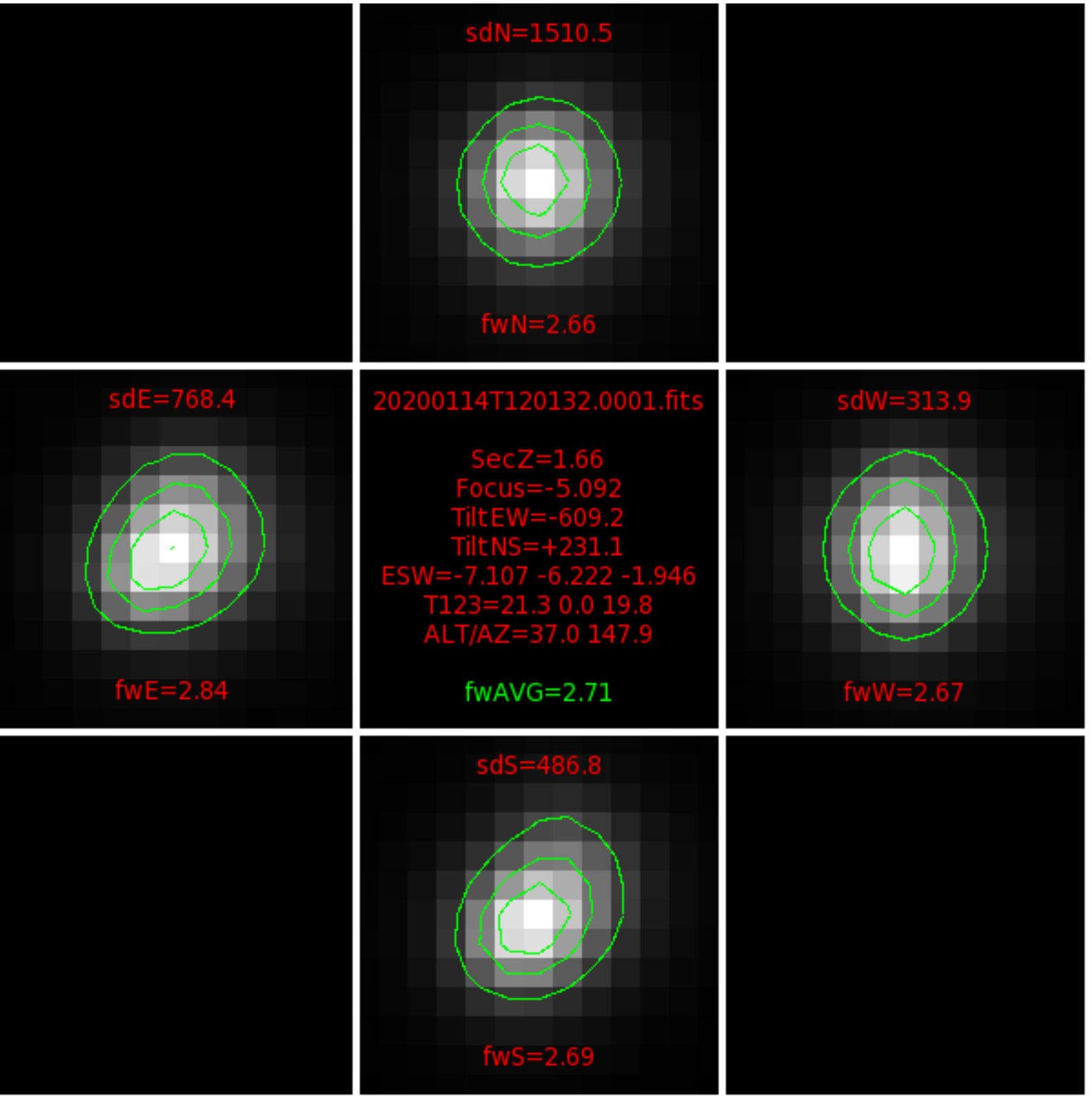
sdN=1510.5
fwN=2.66
sdE=768.4
fwE=2.84
20200114T120132.0001.fits
SecZ=1.66
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.3 0.0 19.8
ALT/AZ=37.0 147.9
fwAVG=2.71
sdW=313.9
fwW=2.67
sdS=486.8
fwS=2.69
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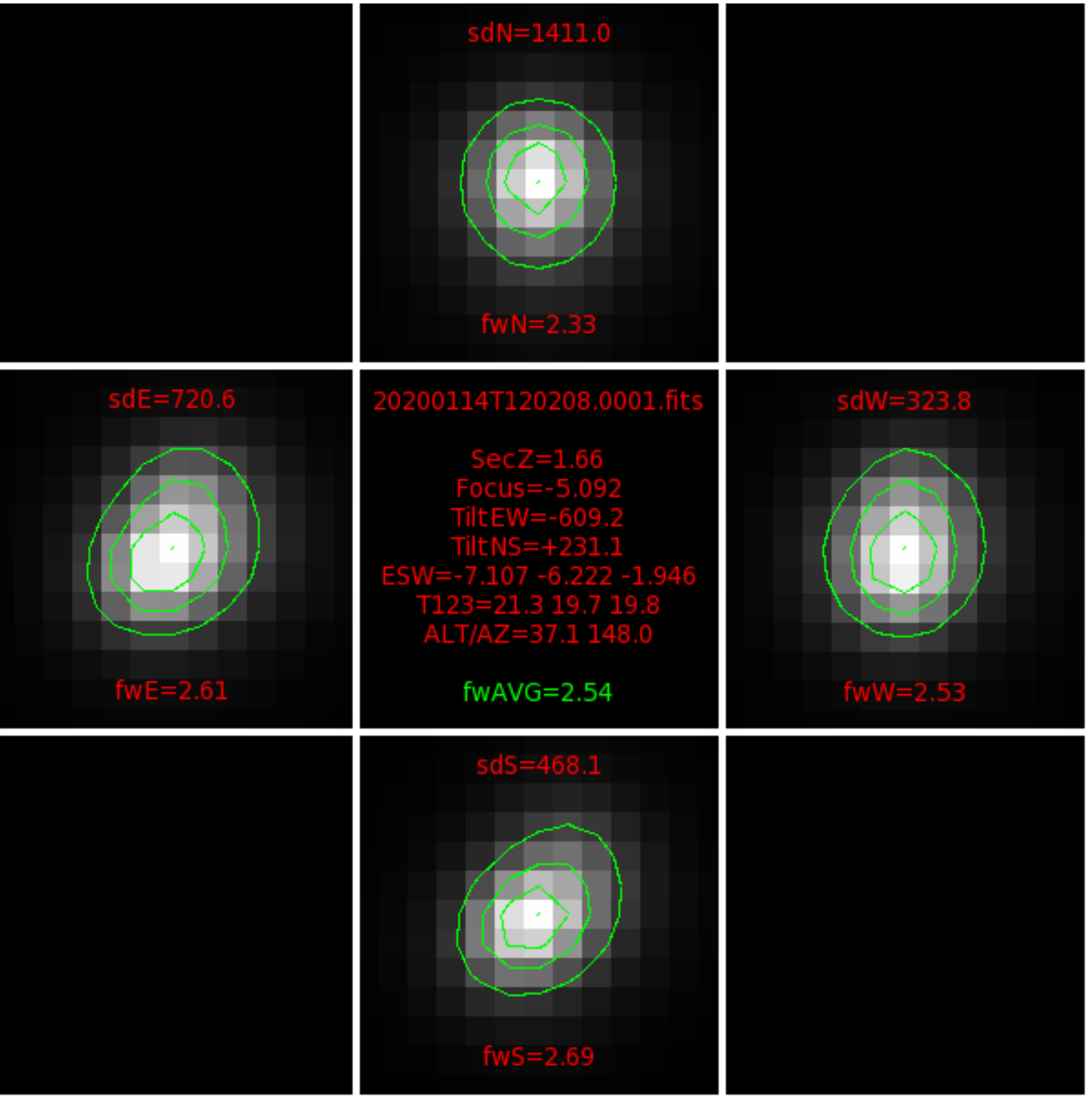
sdN=1411.0
fwN=2.33
sdE=720.6
fwE=2.61
20200114T120208.0001.fits
SecZ=1.66
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.3 19.7 19.8
ALT/AZ=37.1 148.0
fwAVG=2.54
sdW=323.8
fwW=2.53
sdS=468.1
fwS=2.69
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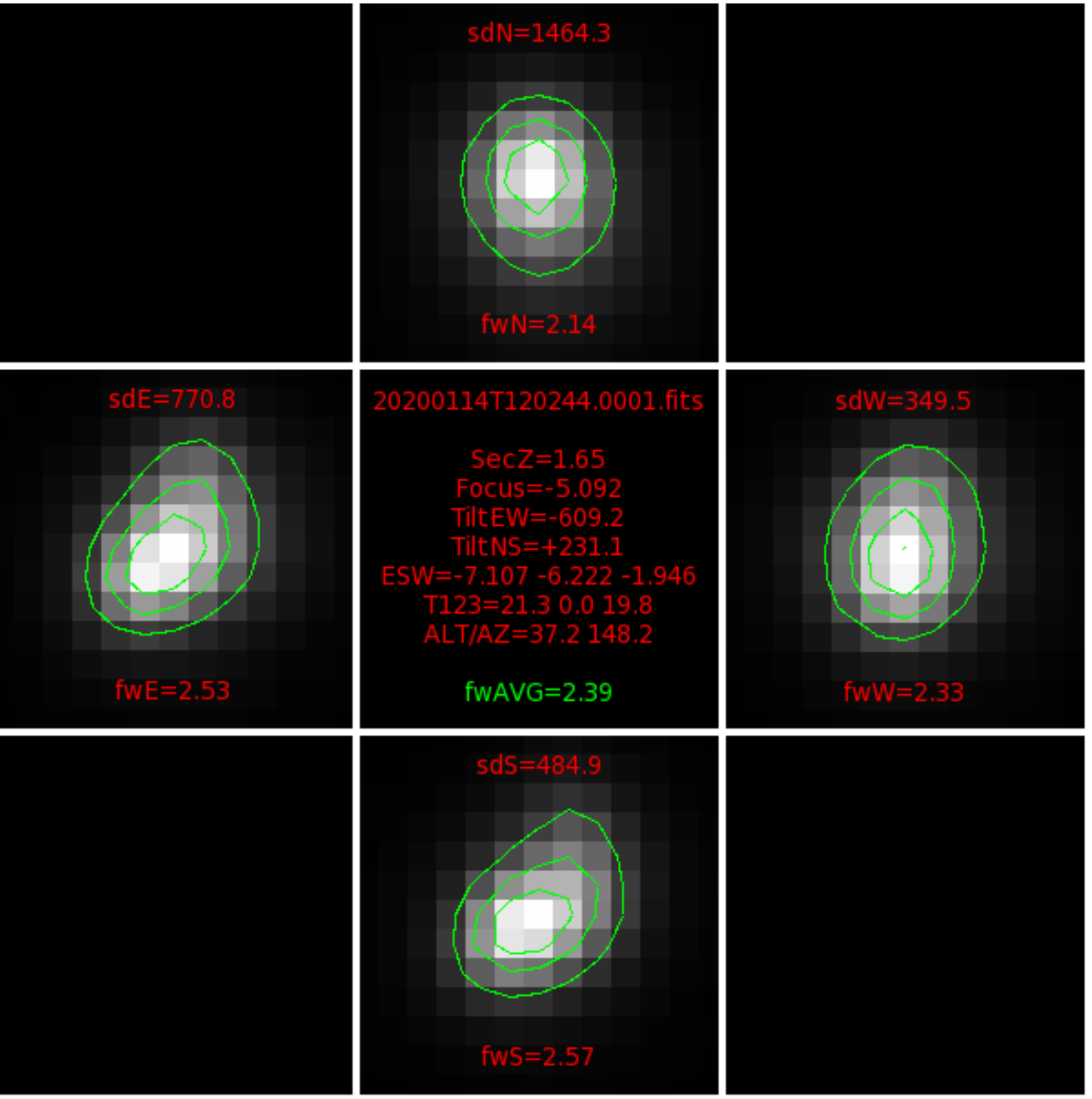
sdN=1464.3
fwN=2.14
sdE=770.8
fwE=2.53
20200114T120244.0001.fits
SecZ=1.65
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.3 0.0 19.8
ALT/AZ=37.2 148.2
fwAVG=2.39
sdW=349.5
fwW=2.33
sdS=484.9
fwS=2.57
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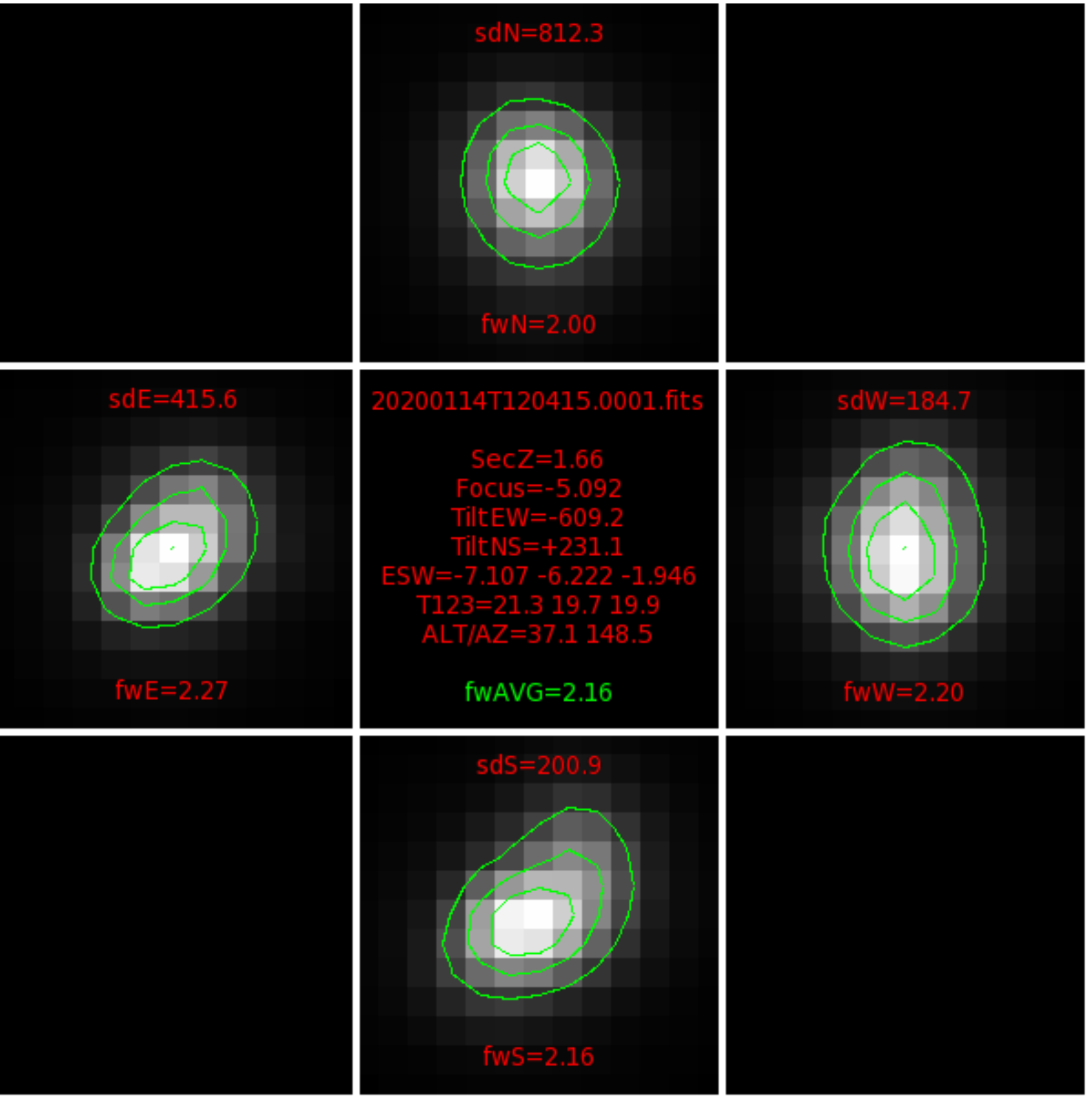
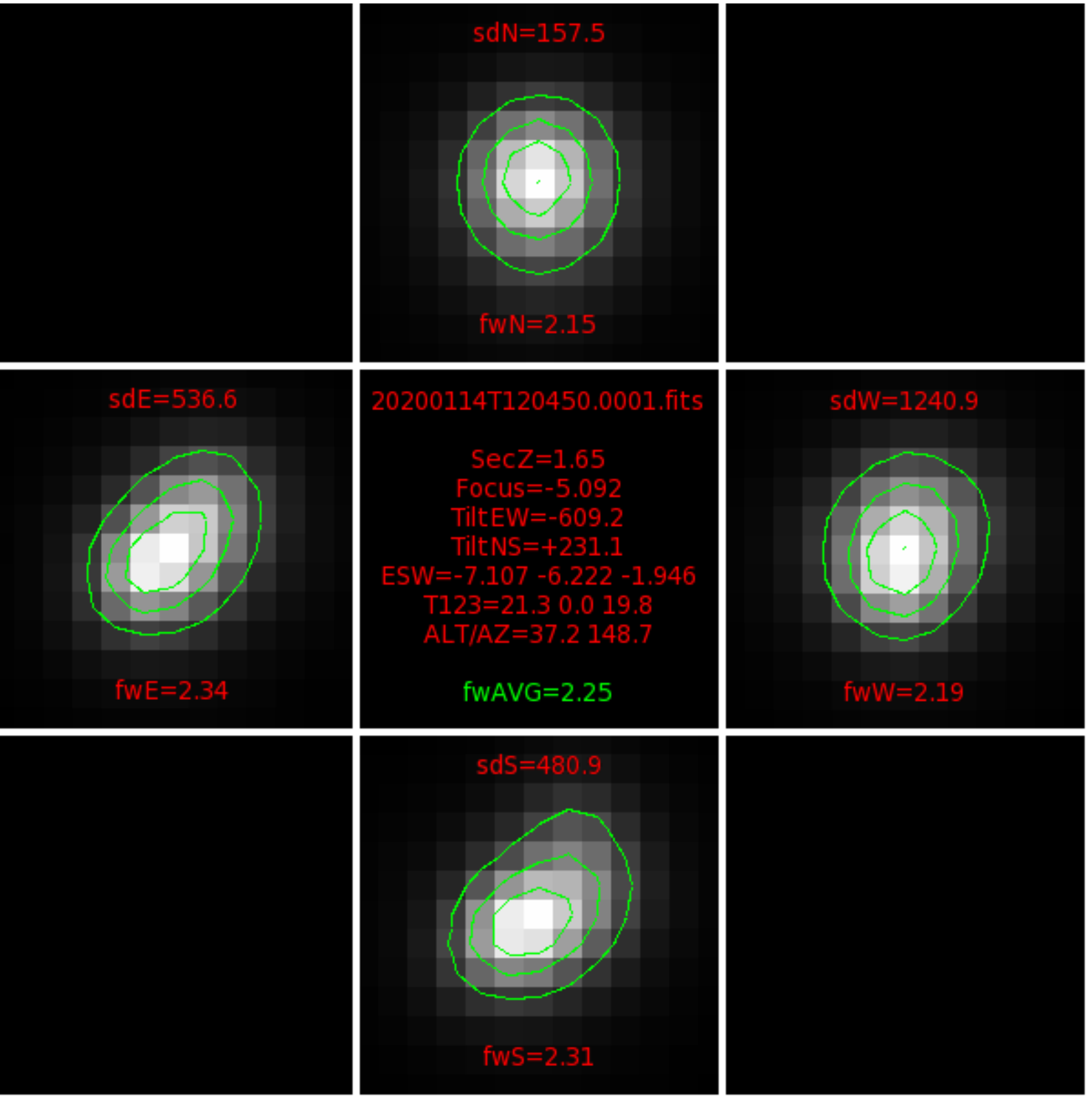

sdN=812.3
fwN=2.00
sdE=415.6
fwE=2.27
20200114T120415.0001.fits
SecZ=1.66
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.3 19.7 19.9
ALT/AZ=37.1 148.5
fwAVG=2.16
sdW=184.7
fwW=2.20
sdS=200.9
fwS=2.16
0 0 0 0 0 0 0 0 0


sdN=157.5
fwN=2.15
sdE=536.6
fwE=2.34
20200114T120450.0001.fits
SecZ=1.65
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.3 0.0 19.8
ALT/AZ=37.2 148.7
fwAVG=2.25
sdW=1240.9
fwW=2.19
sdS=480.9
fwS=2.31
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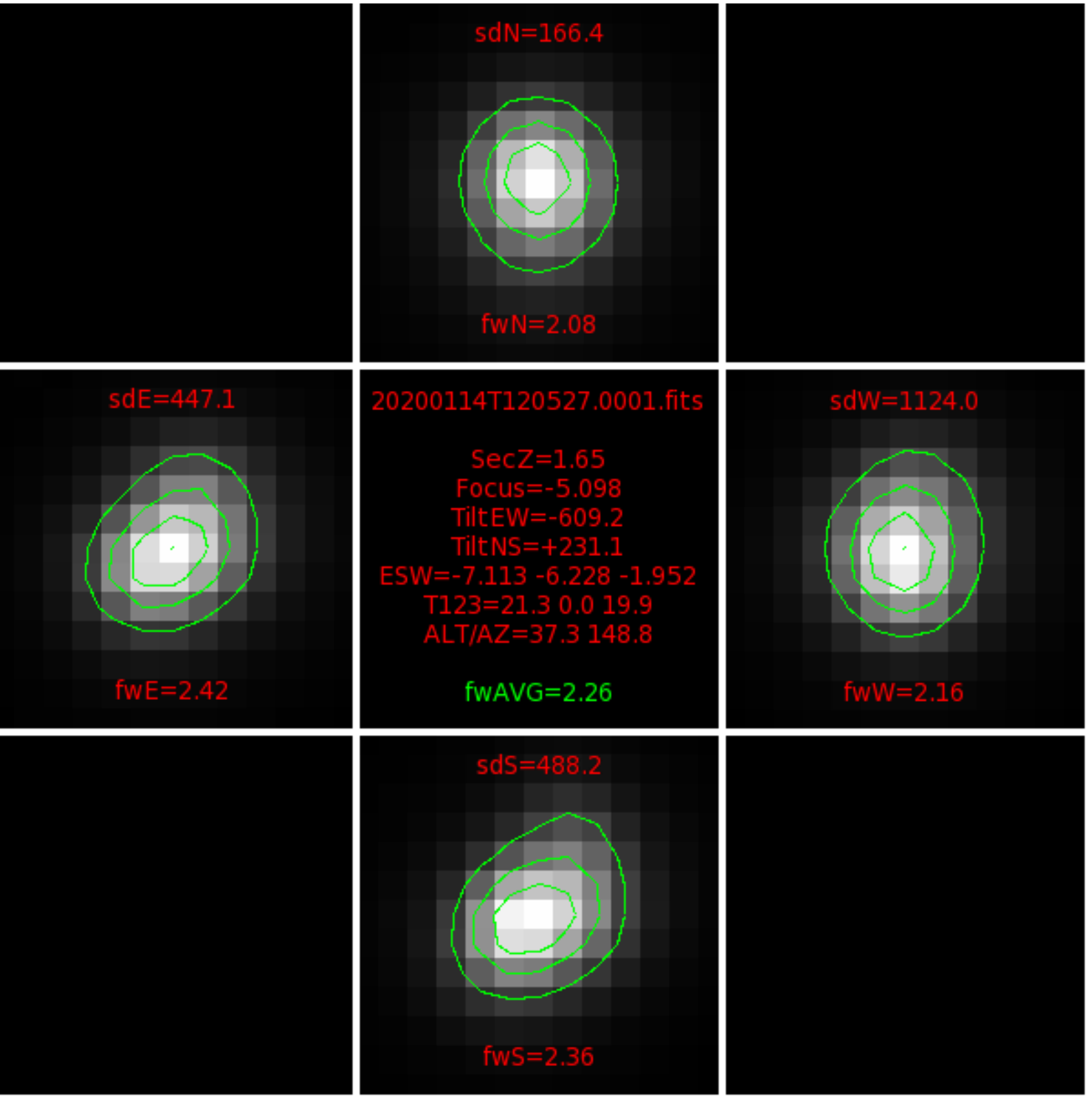
sdN=166.4
fwN=2.08
sdE=447.1
fwE=2.42
20200114T120527.0001.fits
SecZ=1.65
Focus=-5.098
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.113 -6.228 -1.952
T123=21.3 0.0 19.9
ALT/AZ=37.3 148.8
fwAVG=2.26
sdW=1124.0
fwW=2.16
sdS=488.2
fwS=2.36
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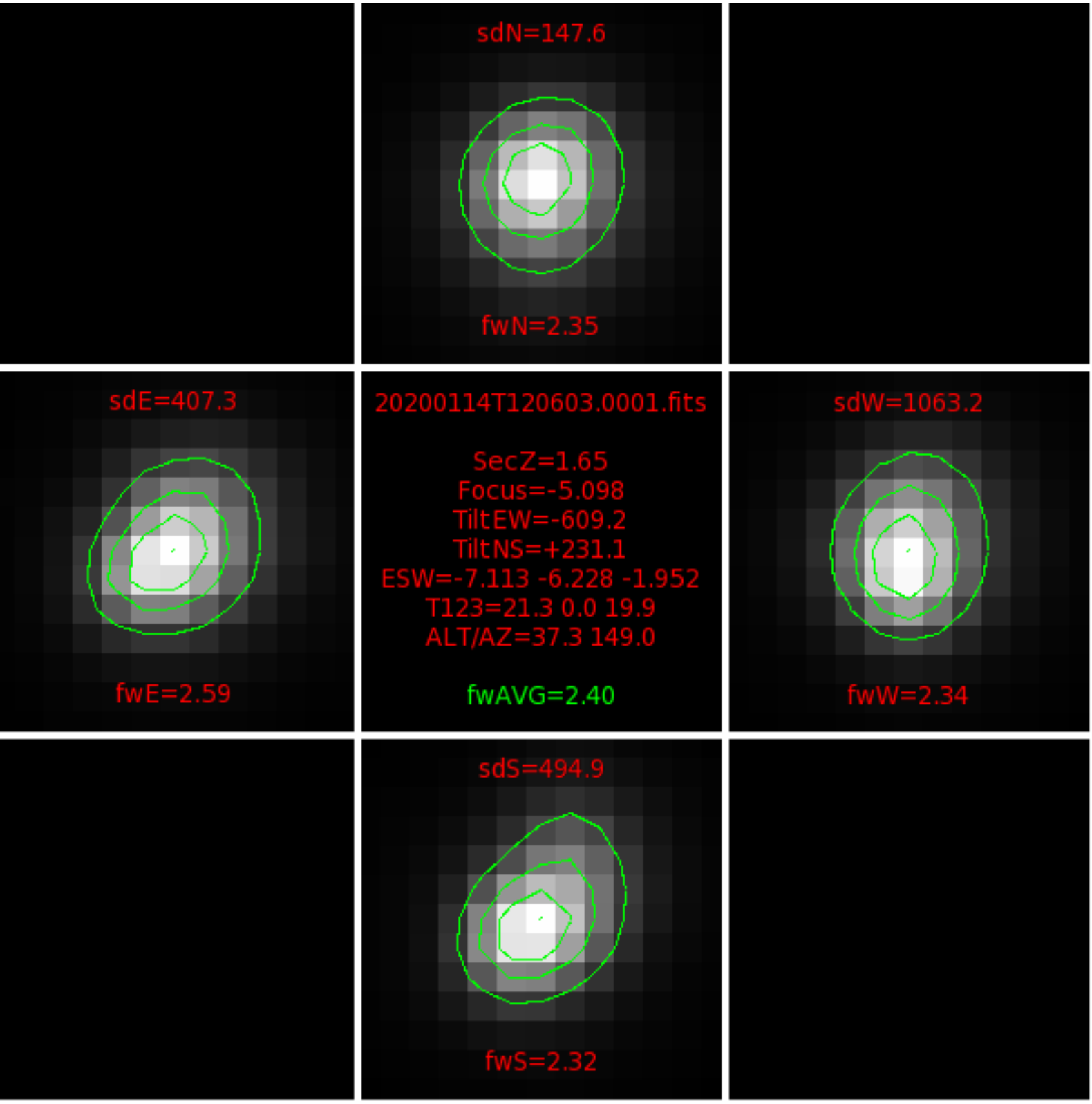
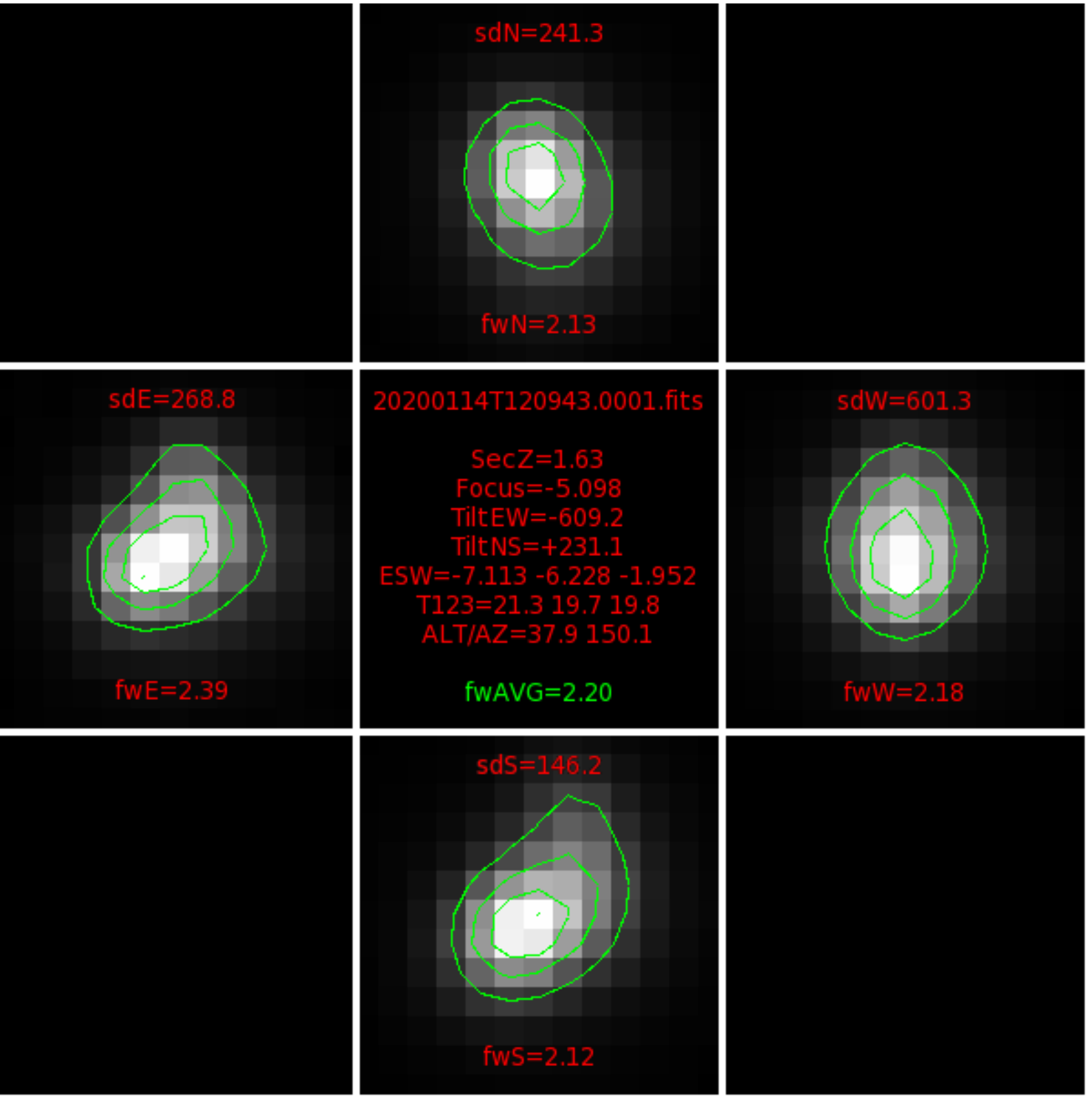
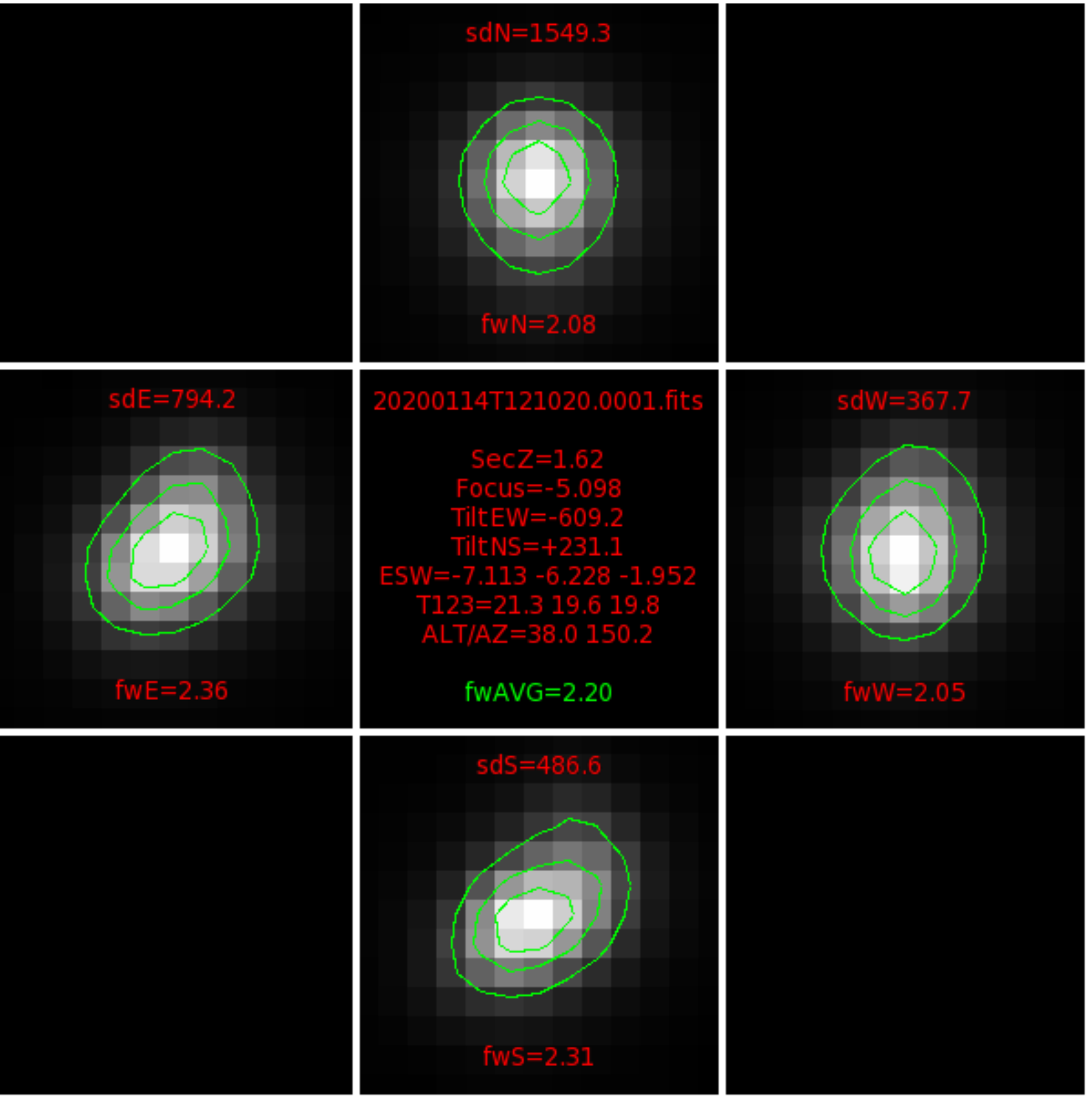
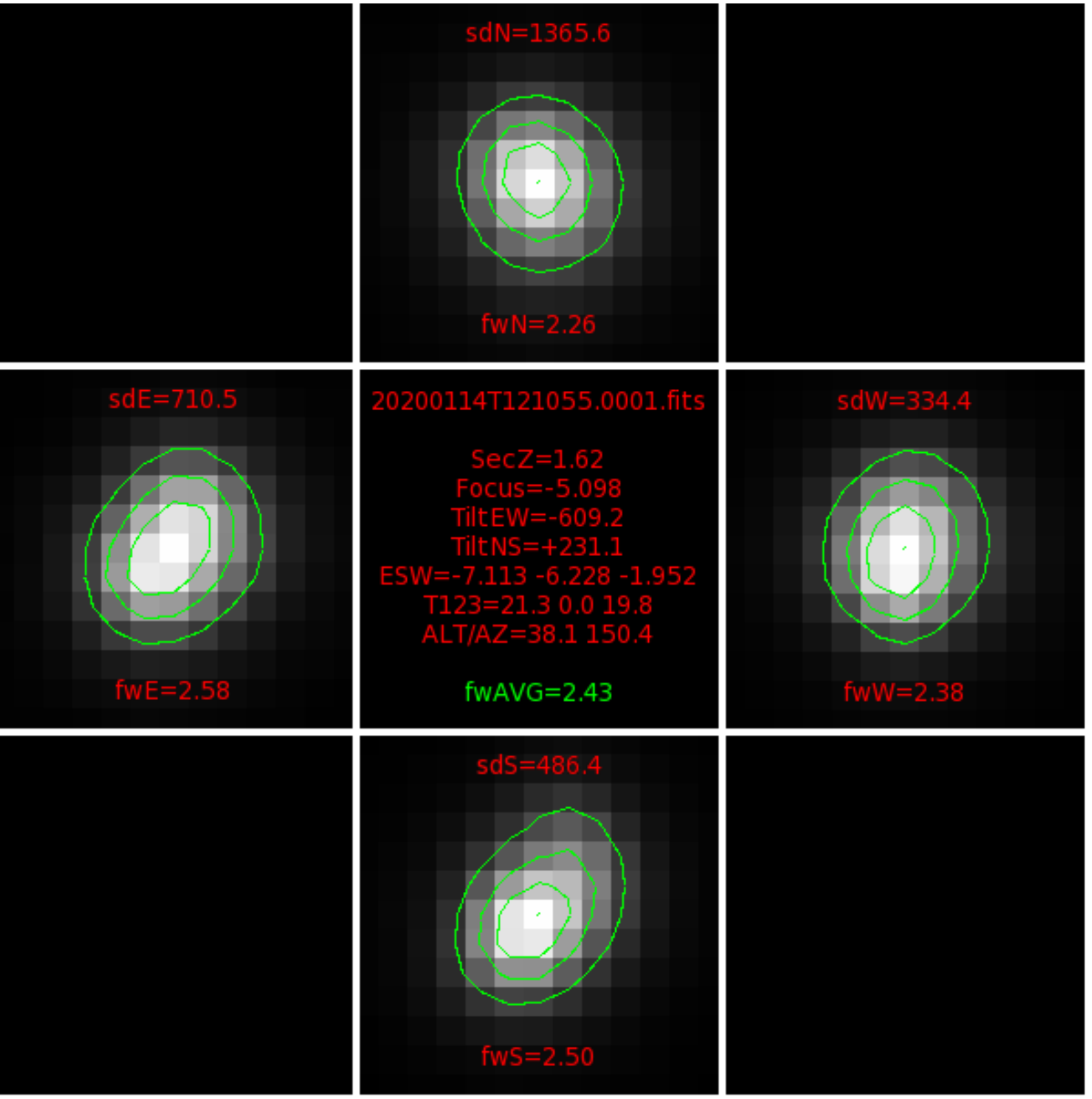
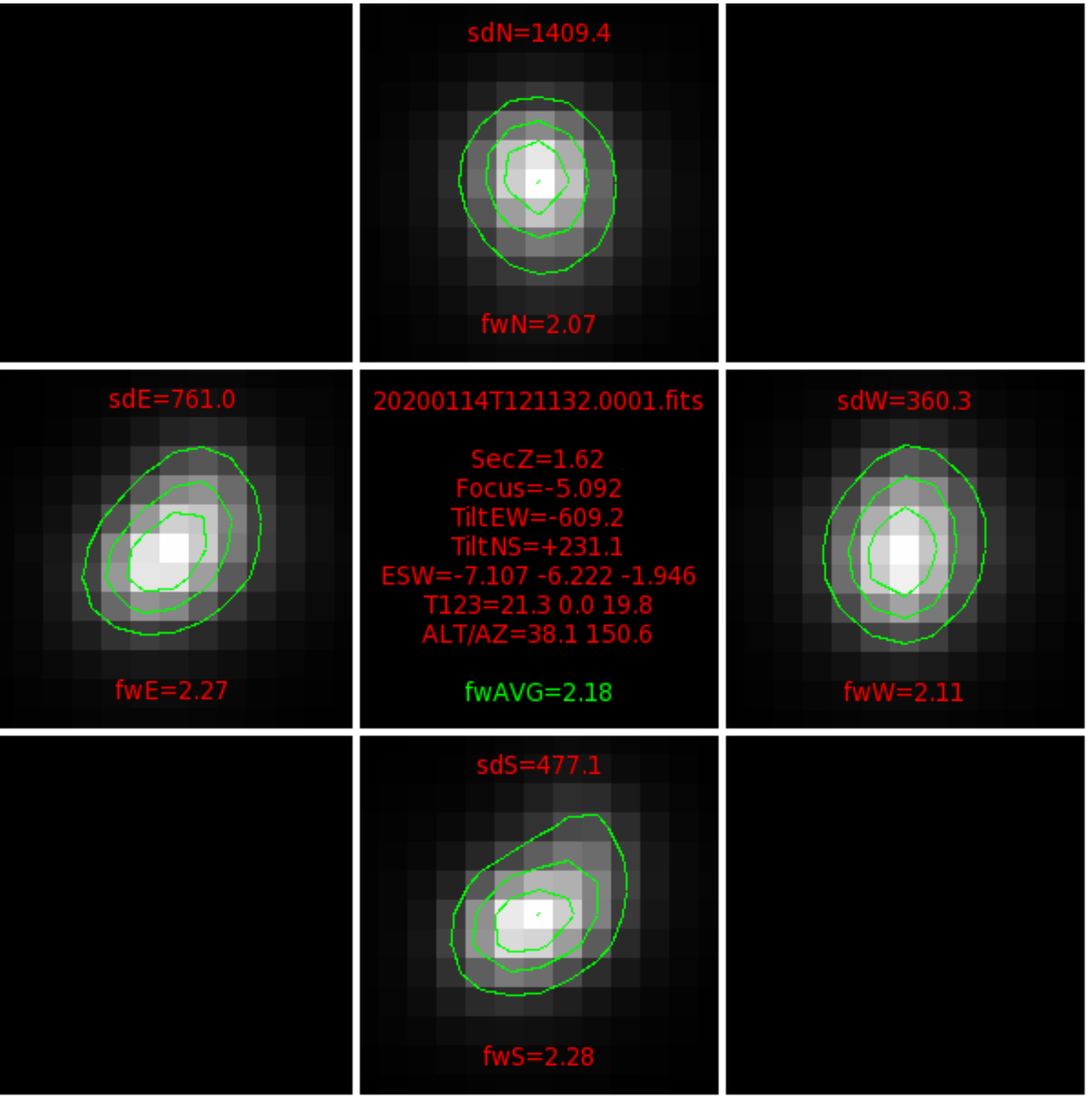

sdN=147.6
fwN=2.35
sdE=407.3
fwE=2.59
20200114T120603.0001.fits
SecZ=1.65
Focus=-5.098
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.113 -6.228 -1.952
T123=21.3 0.0 19.9
ALT/AZ=37.3 149.0
fwAVG=2.40
sdW=1063.2
fwW=2.34
sdS=494.9
fwS=2.32
0 0 0 0 0 0 0 0 0


sdN=241.3
fwN=2.13
sdE=268.8
fwE=2.39
20200114T120943.0001.fits
SecZ=1.63
Focus=-5.098
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.113 -6.228 -1.952
T123=21.3 19.7 19.8
ALT/AZ=37.9 150.1
fwAVG=2.20
sdW=601.3
fwW=2.18
sdS=146.2
fwS=2.12
0 0 0 0 0 0 0 0 0


sdN=1549.3
fwN=2.08
sdE=794.2
fwE=2.36
20200114T121020.0001.fits
SecZ=1.62
Focus=-5.098
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.113 -6.228 -1.952
T123=21.3 19.6 19.8
ALT/AZ=38.0 150.2
fwAVG=2.20
sdW=367.7
fwW=2.05
sdS=486.6
fwS=2.31
0 0 0 0 0 0 0 0 0


sdN=1365.6
fwN=2.26
sdE=710.5
fwE=2.58
20200114T121055.0001.fits
SecZ=1.62
Focus=-5.098
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.113 -6.228 -1.952
T123=21.3 0.0 19.8
ALT/AZ=38.1 150.4
fwAVG=2.43
sdW=334.4
fwW=2.38
sdS=486.4
fwS=2.50
0 0 0 0 0 0 0 0 0


sdN=1409.4
fwN=2.07
sdE=761.0
fwE=2.27
20200114T121132.0001.fits
SecZ=1.62
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.3 0.0 19.8
ALT/AZ=38.1 150.6
fwAVG=2.18
sdW=360.3
fwW=2.11
sdS=477.1
fwS=2.28
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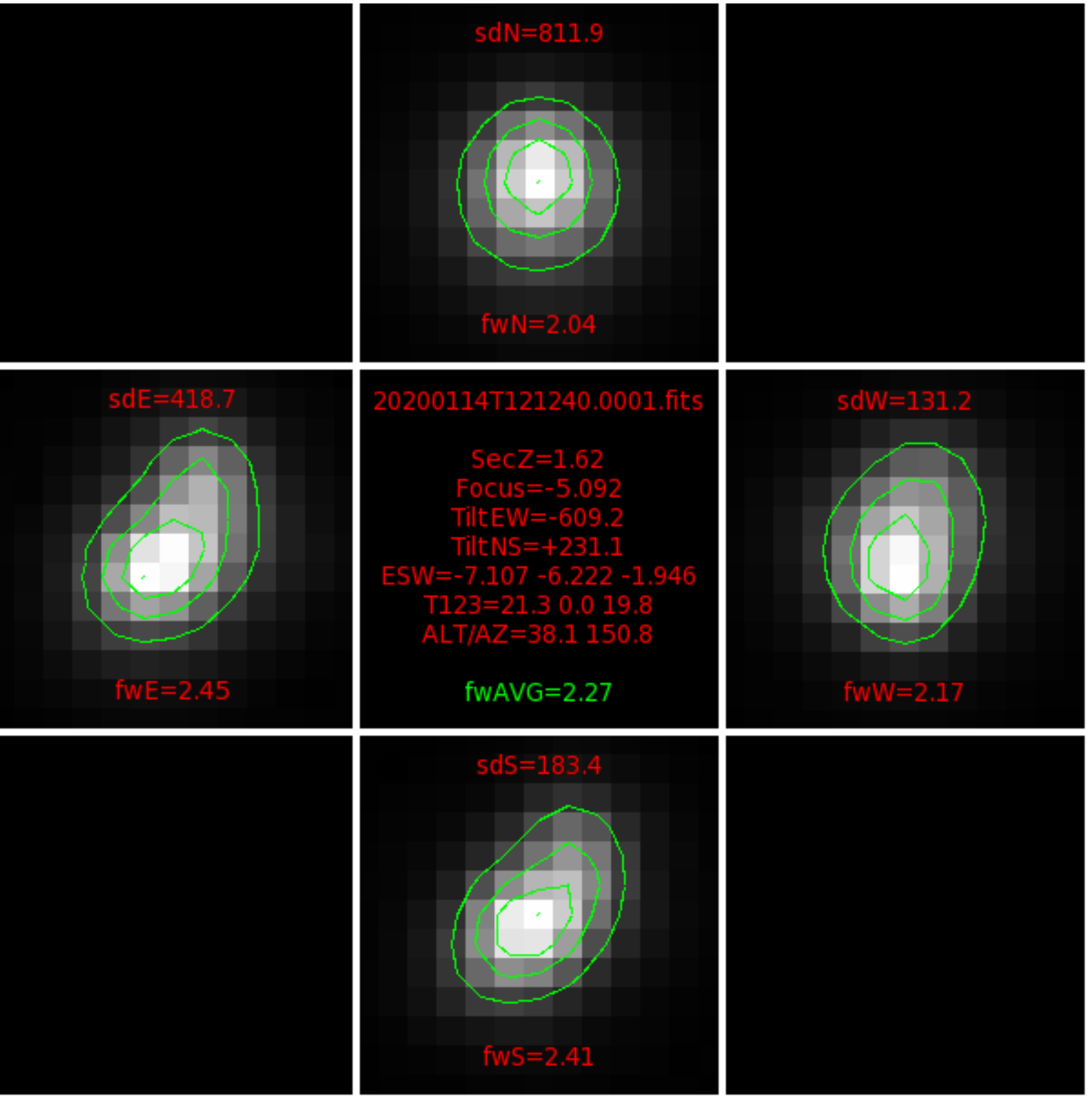
sdN=811.9
fwN=2.04
sdE=418.7
fwE=2.45
20200114T121240.0001.fits
SecZ=1.62
Focus=-5.092
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.107 -6.222 -1.946
T123=21.3 0.0 19.8
ALT/AZ=38.1 150.8
fwAVG=2.27
sdW=131.2
fwW=2.17
sdS=183.4
fwS=2.41
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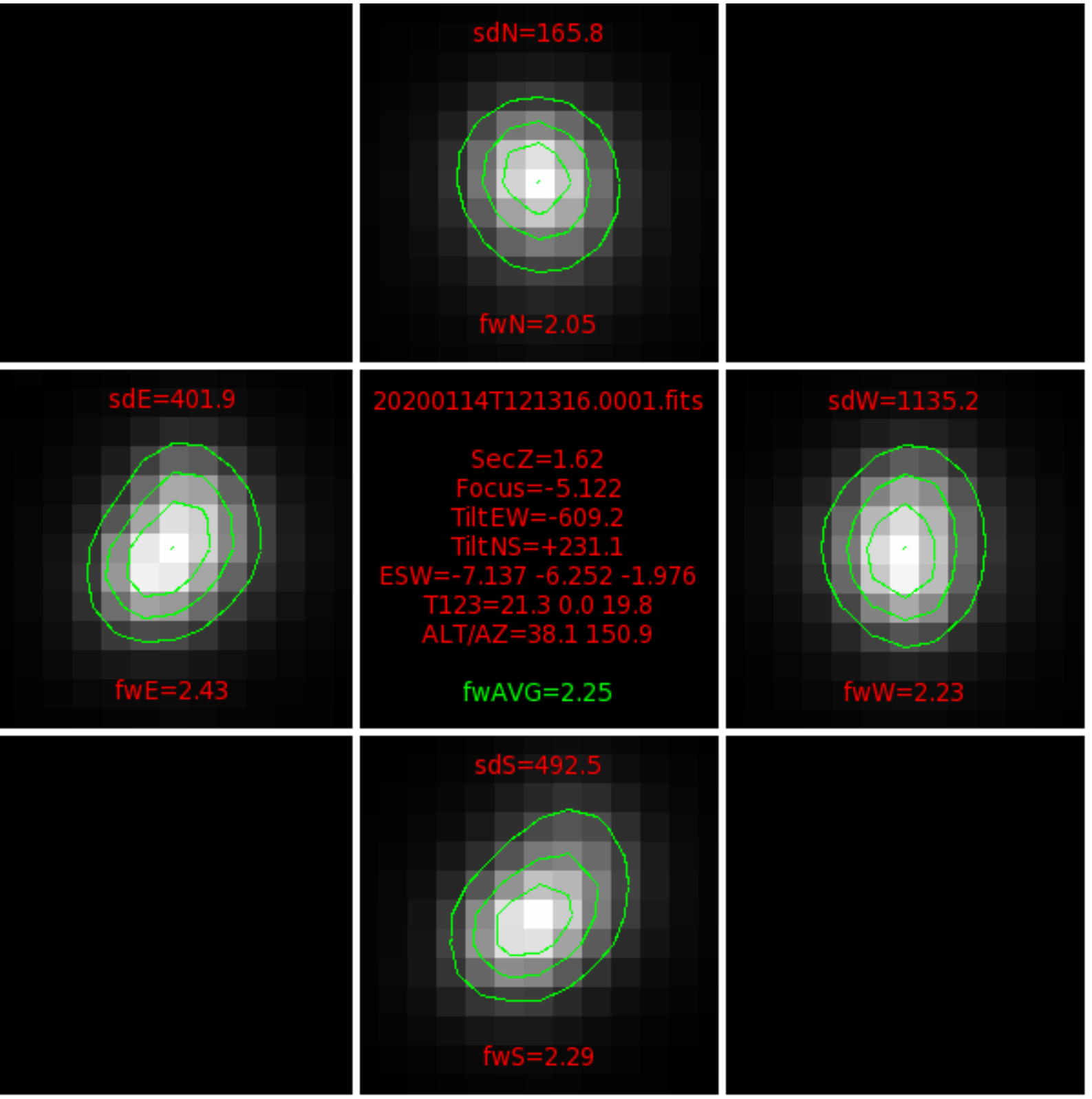
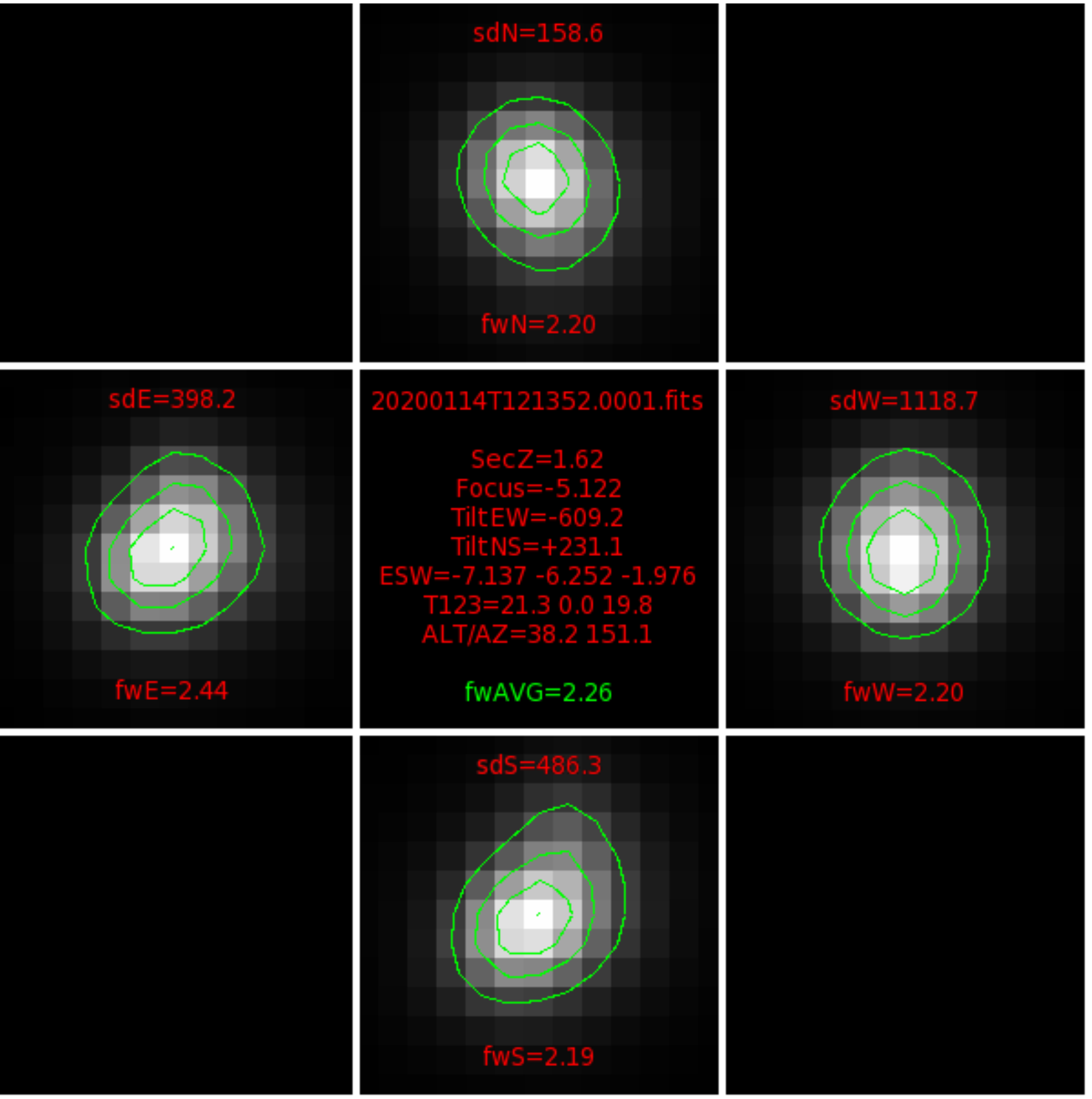
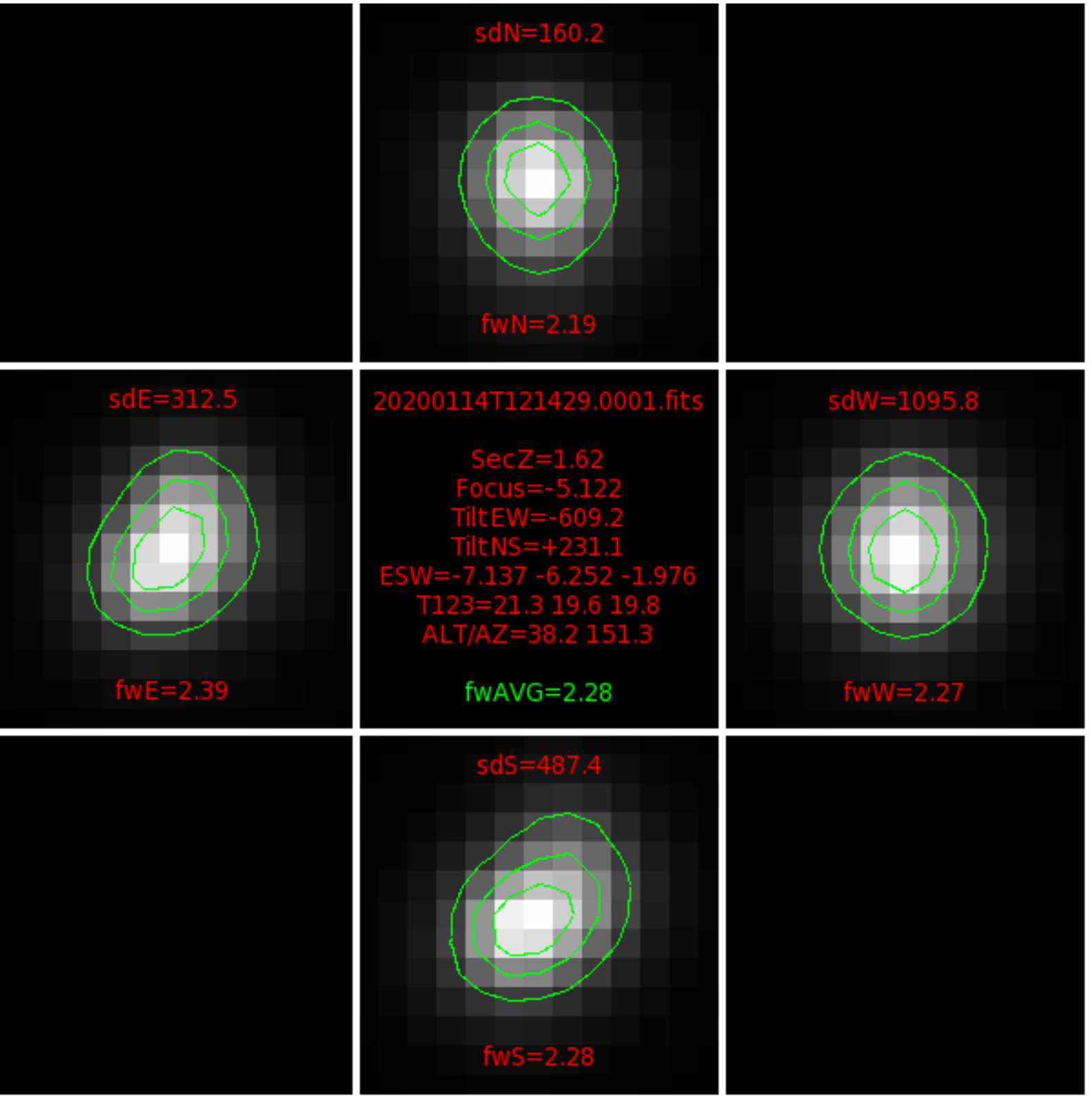

sdN=165.8
fwN=2.05
sdE=401.9
fwE=2.43
20200114T121316.0001.fits
SecZ=1.62
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=21.3 0.0 19.8
ALT/AZ=38.1 150.9
fwAVG=2.25
sdW=1135.2
fwW=2.23
sdS=492.5
fwS=2.29
0 0 0 0 0 0 0 0 0


sdN=158.6
fwN=2.20
sdE=398.2
fwE=2.44
20200114T121352.0001.fits
SecZ=1.62
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=21.3 0.0 19.8
ALT/AZ=38.2 151.1
fwAVG=2.26
sdW=1118.7
fwW=2.20
sdS=486.3
fwS=2.19
0 0 0 0 0 0 0 0 0


sdN=160.2
fwN=2.19
sdE=312.5
fwE=2.39
20200114T121429.0001.fits
SecZ=1.62
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=21.3 19.6 19.8
ALT/AZ=38.2 151.3
fwAVG=2.28
sdW=1095.8
fwW=2.27
sdS=487.4
fwS=2.28
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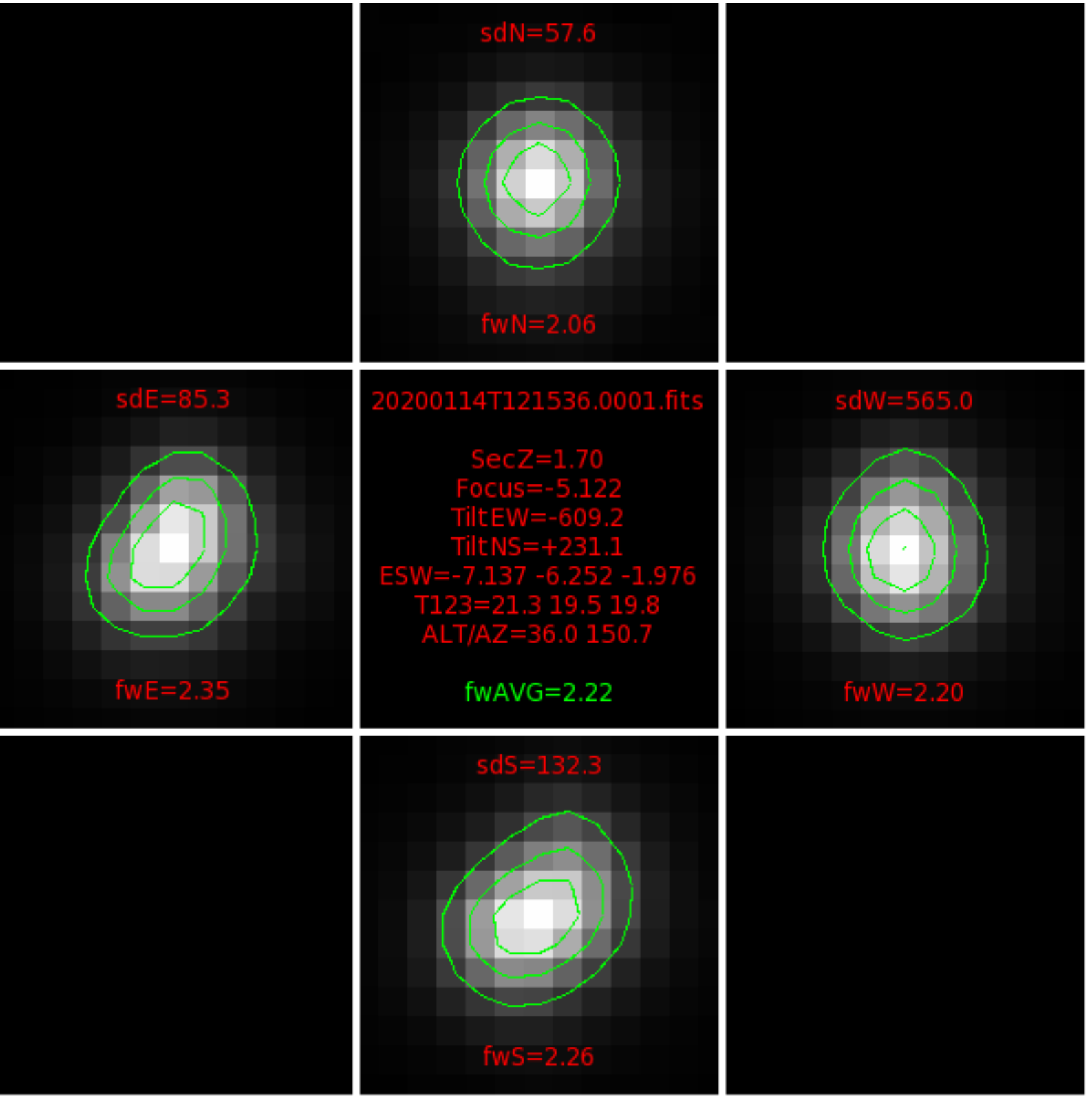
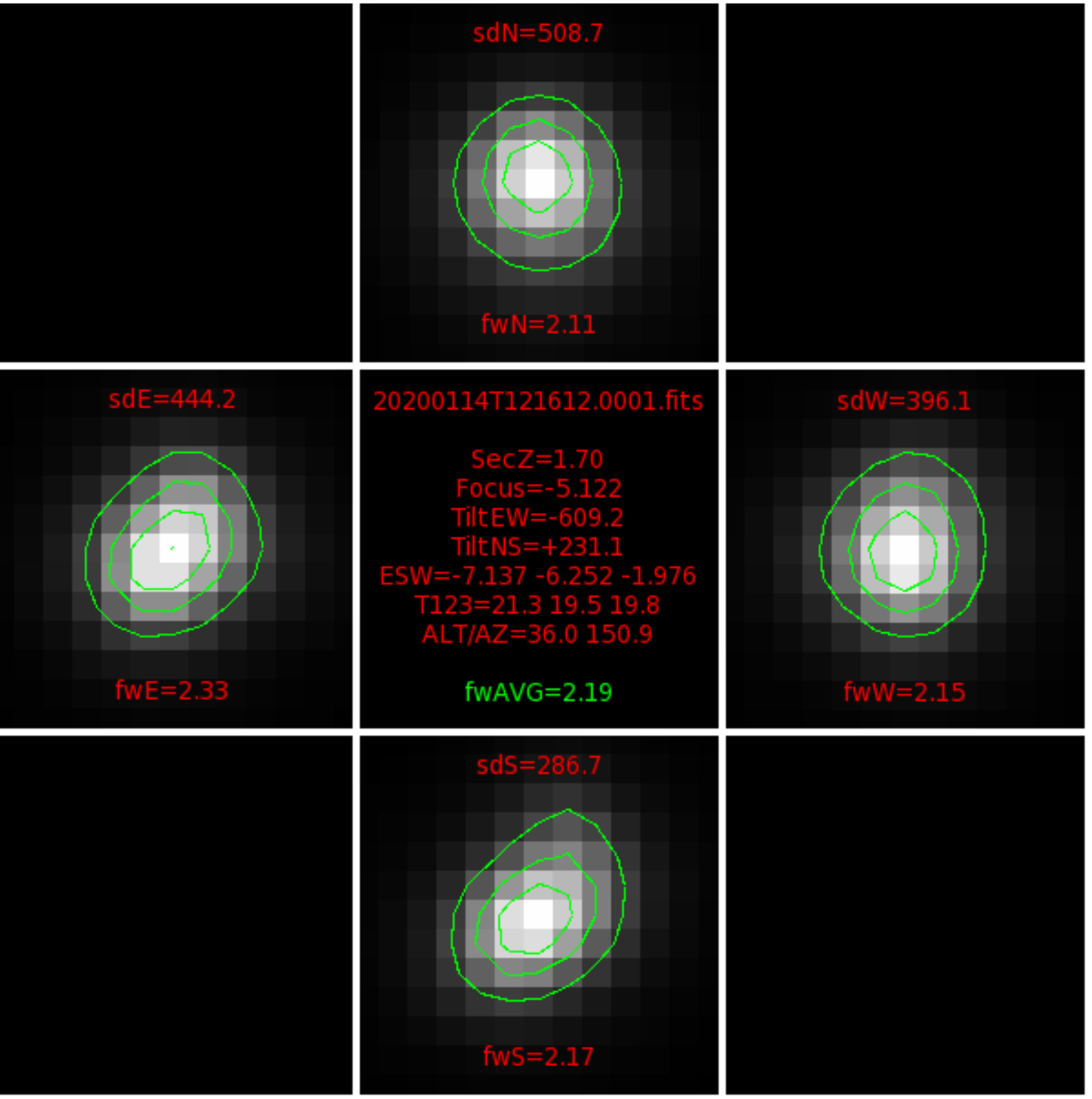

sdN=57.6
fwN=2.06
sdE=85.3
fwE=2.35
20200114T121536.0001.fits
SecZ=1.70
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=21.3 19.5 19.8
ALT/AZ=36.0 150.7
fwAVG=2.22
sdW=565.0
fwW=2.20
sdS=132.3
fwS=2.26
0 0 0 0 0 0 0 0 0


sdN=508.7
fwN=2.11
sdE=444.2
fwE=2.33
20200114T121612.0001.fits
SecZ=1.70
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=21.3 19.5 19.8
ALT/AZ=36.0 150.9
fwAVG=2.19
sdW=396.1
fwW=2.15
sdS=286.7
fwS=2.17
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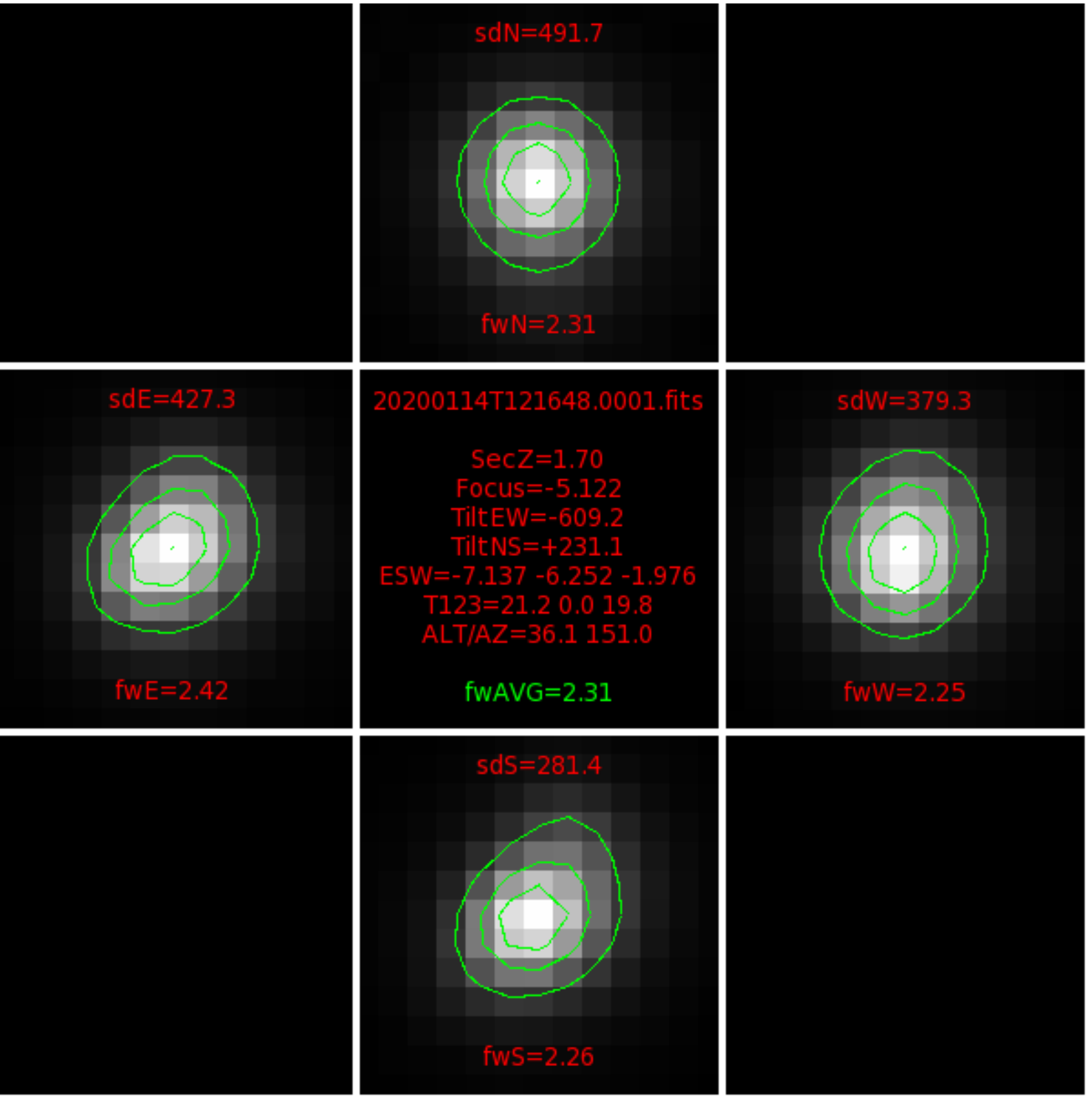
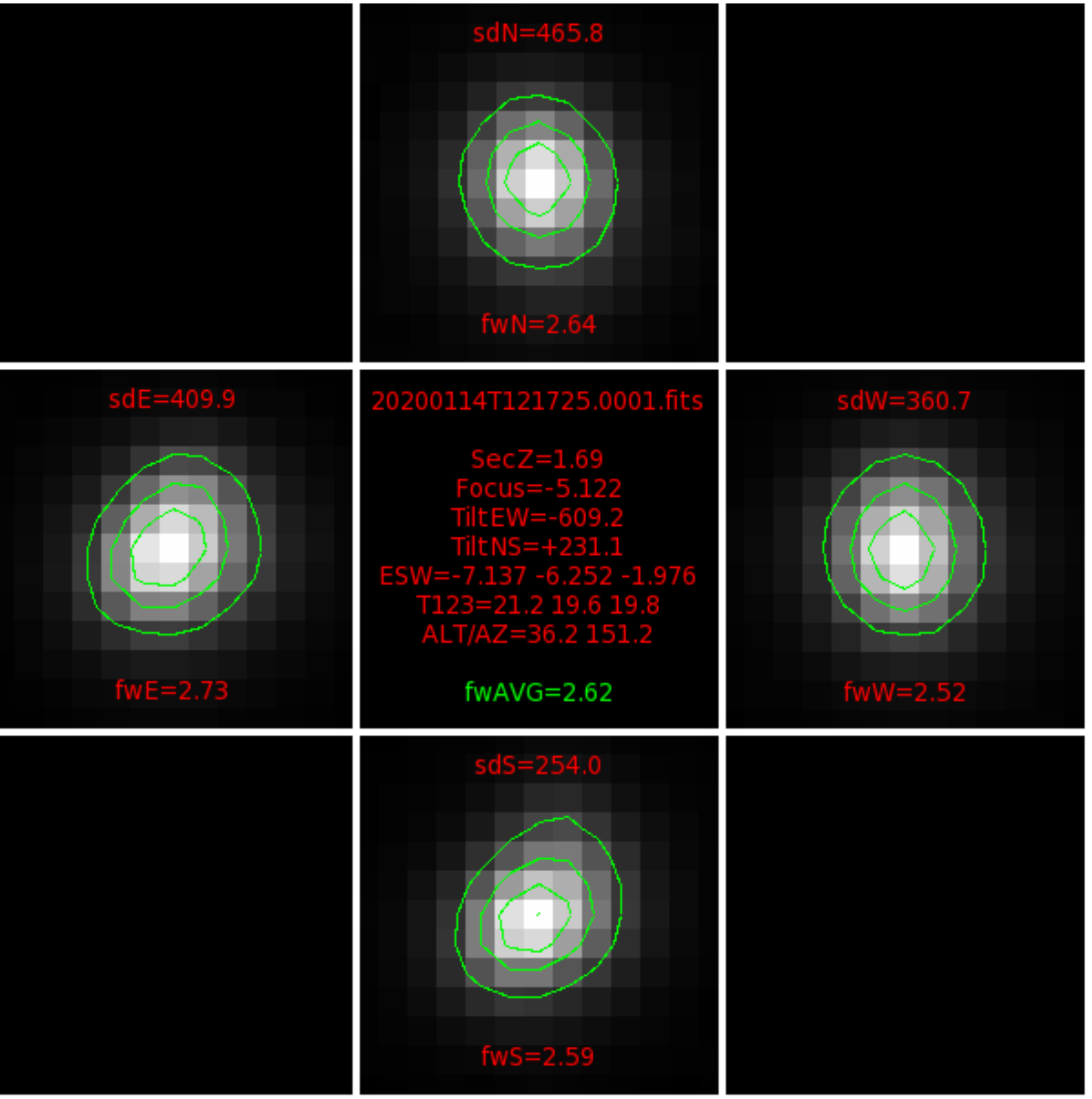

sdN=491.7
fwN=2.31
sdE=427.3
fwE=2.42
20200114T121648.0001.fits
SecZ=1.70
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=21.2 0.0 19.8
ALT/AZ=36.1 151.0
fwAVG=2.31
sdW=379.3
fwW=2.25
sdS=281.4
fwS=2.26
0 0 0 0 0 0 0 0 0


sdN=465.8
fwN=2.64
sdE=409.9
fwE=2.73
20200114T121725.0001.fits
SecZ=1.69
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=21.2 19.6 19.8
ALT/AZ=36.2 151.2
fwAVG=2.62
sdW=360.7
fwW=2.52
sdS=254.0
fwS=2.59
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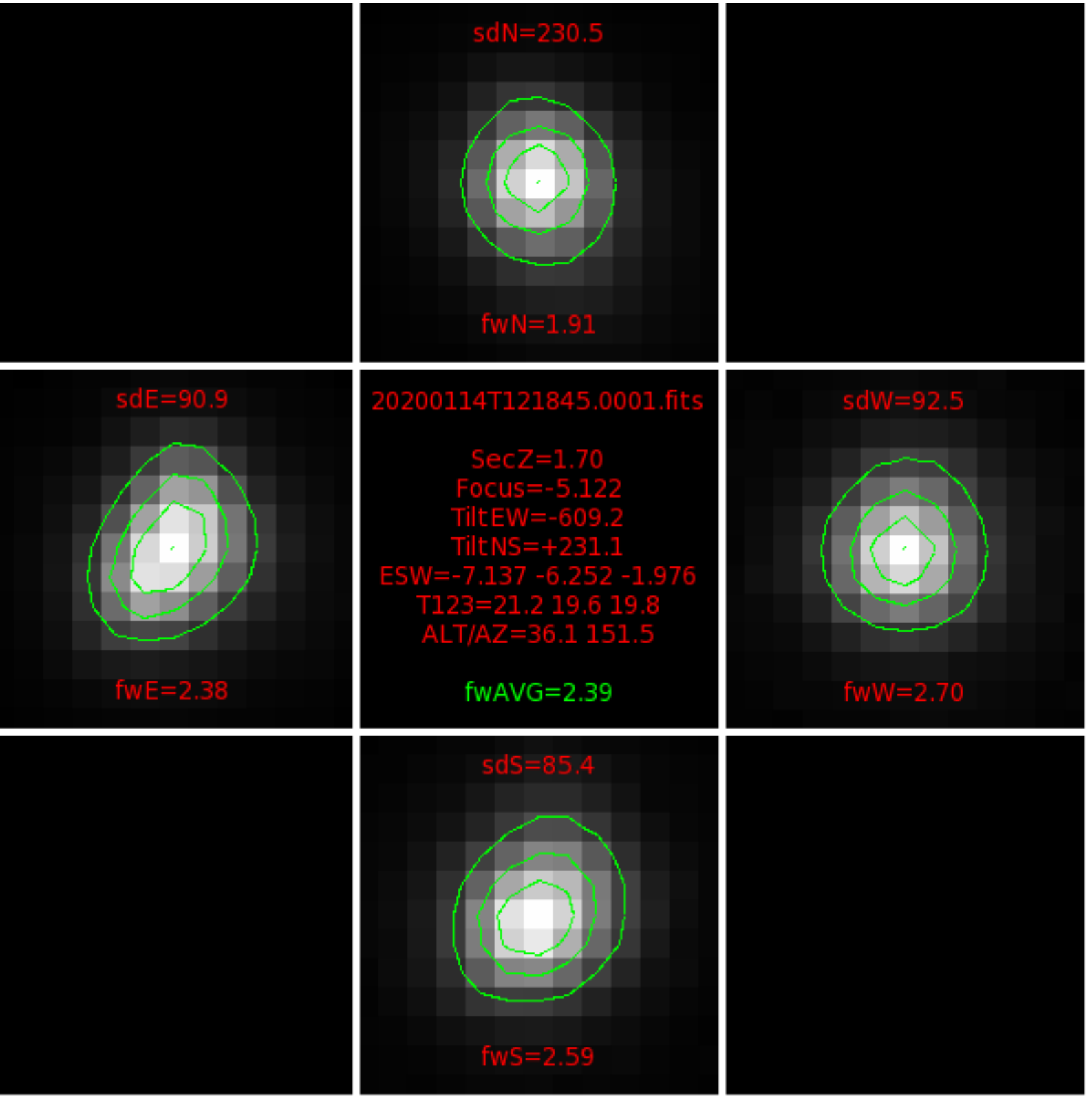
sdN=230.5
fwN=1.91
sdE=90.9
fwE=2.38
20200114T121845.0001.fits
SecZ=1.70
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=21.2 19.6 19.8
ALT/AZ=36.1 151.5
fwAVG=2.39
sdW=92.5
fwW=2.70
sdS=85.4
fwS=2.59
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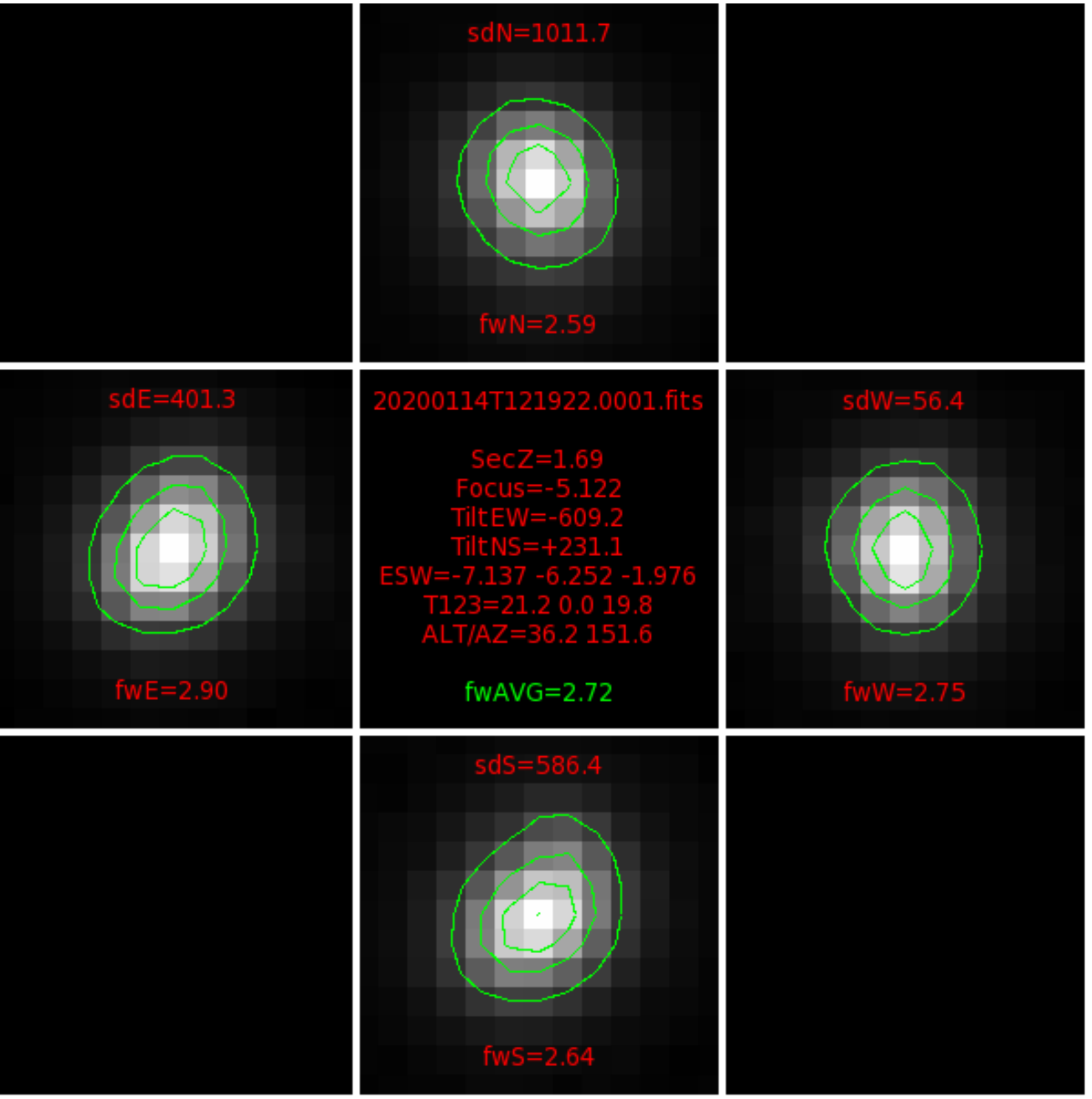
sdN=1011.7
fwN=2.59
sdE=401.3
fwE=2.90
20200114T121922.0001.fits
SecZ=1.69
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=21.2 0.0 19.8
ALT/AZ=36.2 151.6
fwAVG=2.72
sdW=56.4
fwW=2.75
sdS=586.4
fwS=2.64
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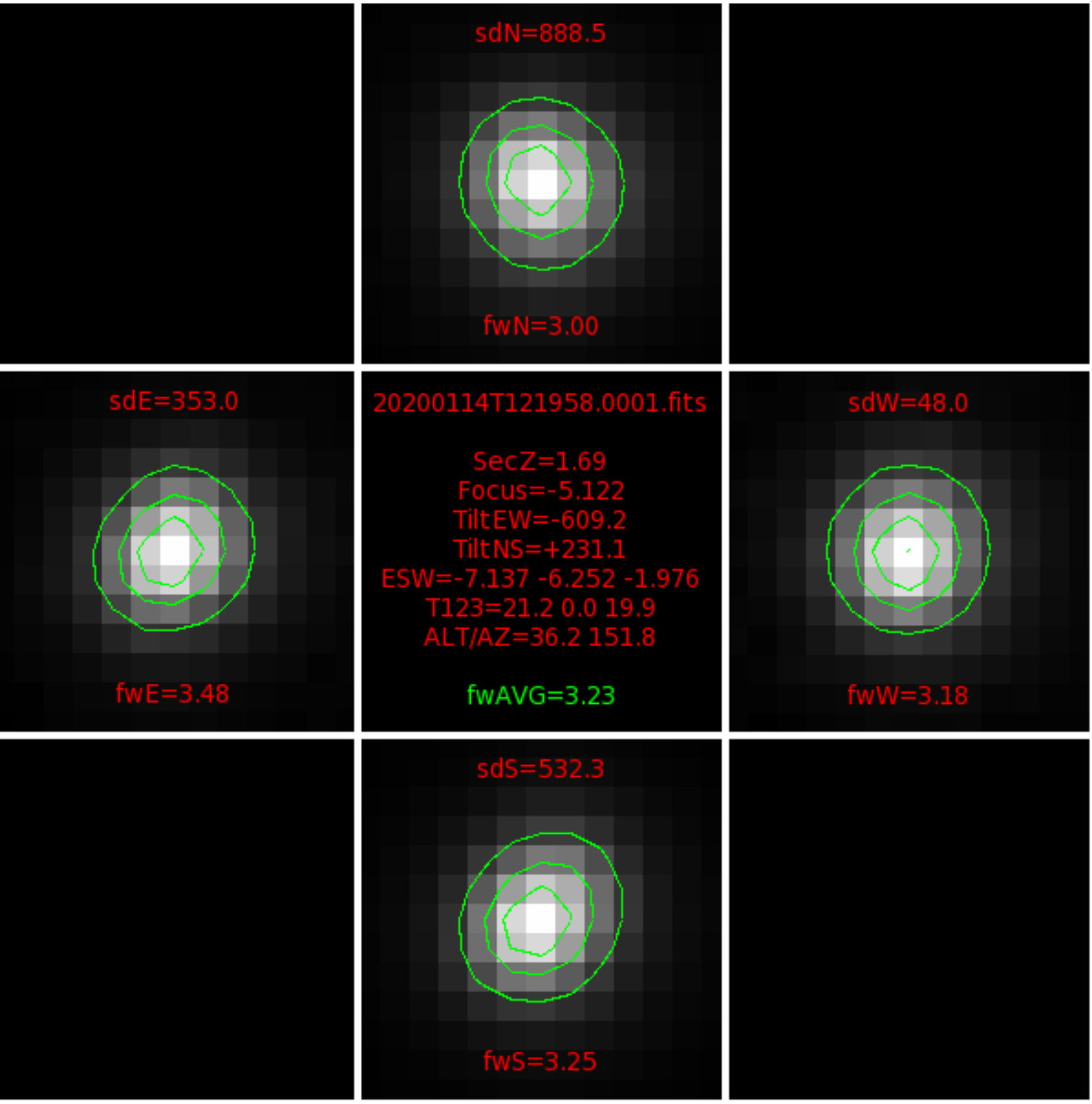
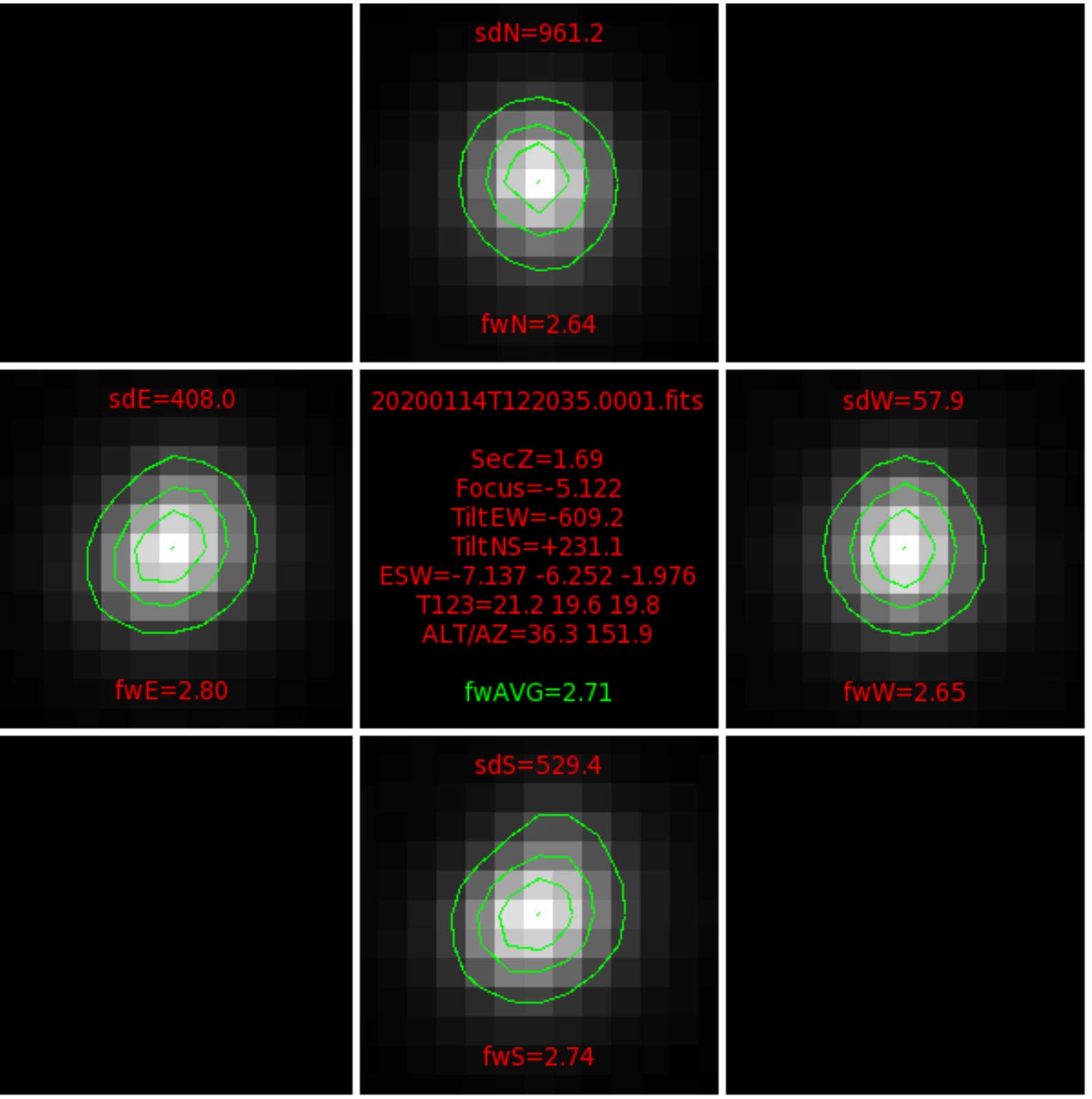
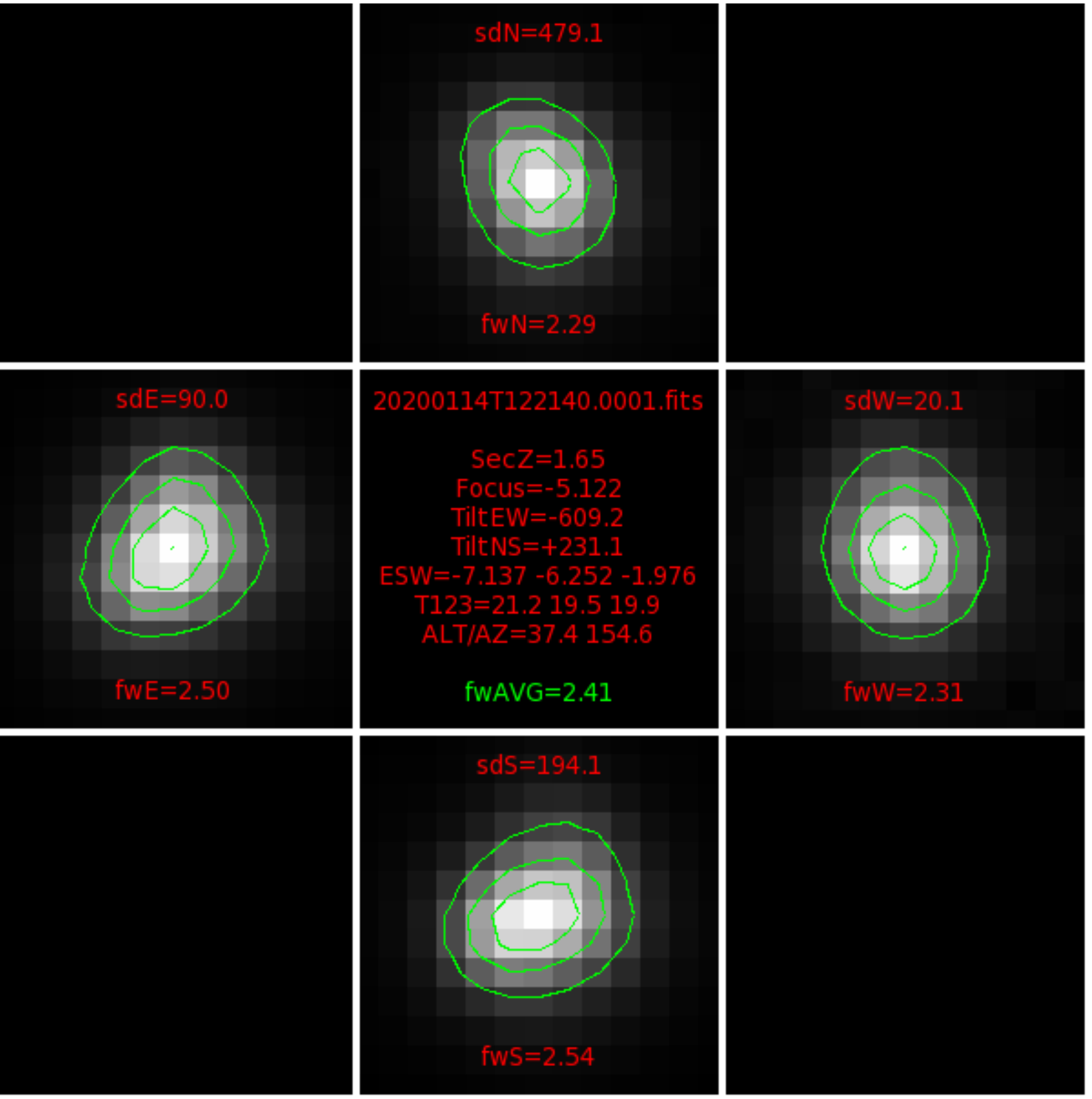
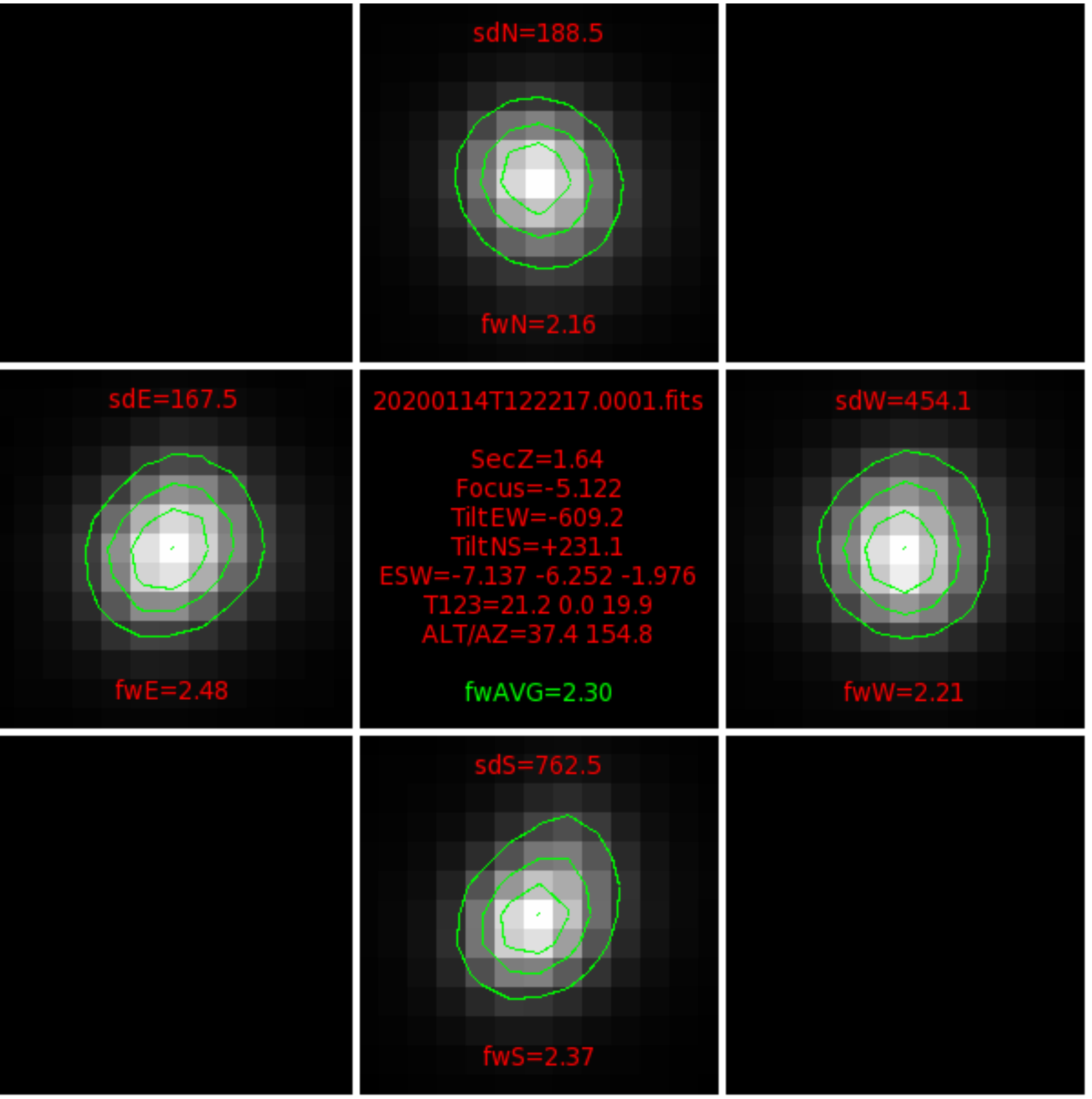

sdN=888.5
fwN=3.00
sdE=353.0
fwE=3.48
20200114T121958.0001.fits
SecZ=1.69
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=21.2 0.0 19.9
ALT/AZ=36.2 151.8
fwAVG=3.23
sdW=48.0
fwW=3.18
sdS=532.3
fwS=3.25
0 0 0 0 0 0 0 0 0


sdN=961.2
fwN=2.64
sdE=408.0
fwE=2.80
20200114T122035.0001.fits
SecZ=1.69
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=21.2 19.6 19.8
ALT/AZ=36.3 151.9
fwAVG=2.71
sdW=57.9
fwW=2.65
sdS=529.4
fwS=2.74
0 0 0 0 0 0 0 0 0


sdN=479.1
fwN=2.29
sdE=90.0
fwE=2.50
20200114T122140.0001.fits
SecZ=1.65
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=21.2 19.5 19.9
ALT/AZ=37.4 154.6
fwAVG=2.41
sdW=20.1
fwW=2.31
sdS=194.1
fwS=2.54
0 0 0 0 0 0 0 0 0


sdN=188.5
fwN=2.16
sdE=167.5
fwE=2.48
20200114T122217.0001.fits
SecZ=1.64
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=21.2 0.0 19.9
ALT/AZ=37.4 154.8
fwAVG=2.30
sdW=454.1
fwW=2.21
sdS=762.5
fwS=2.37
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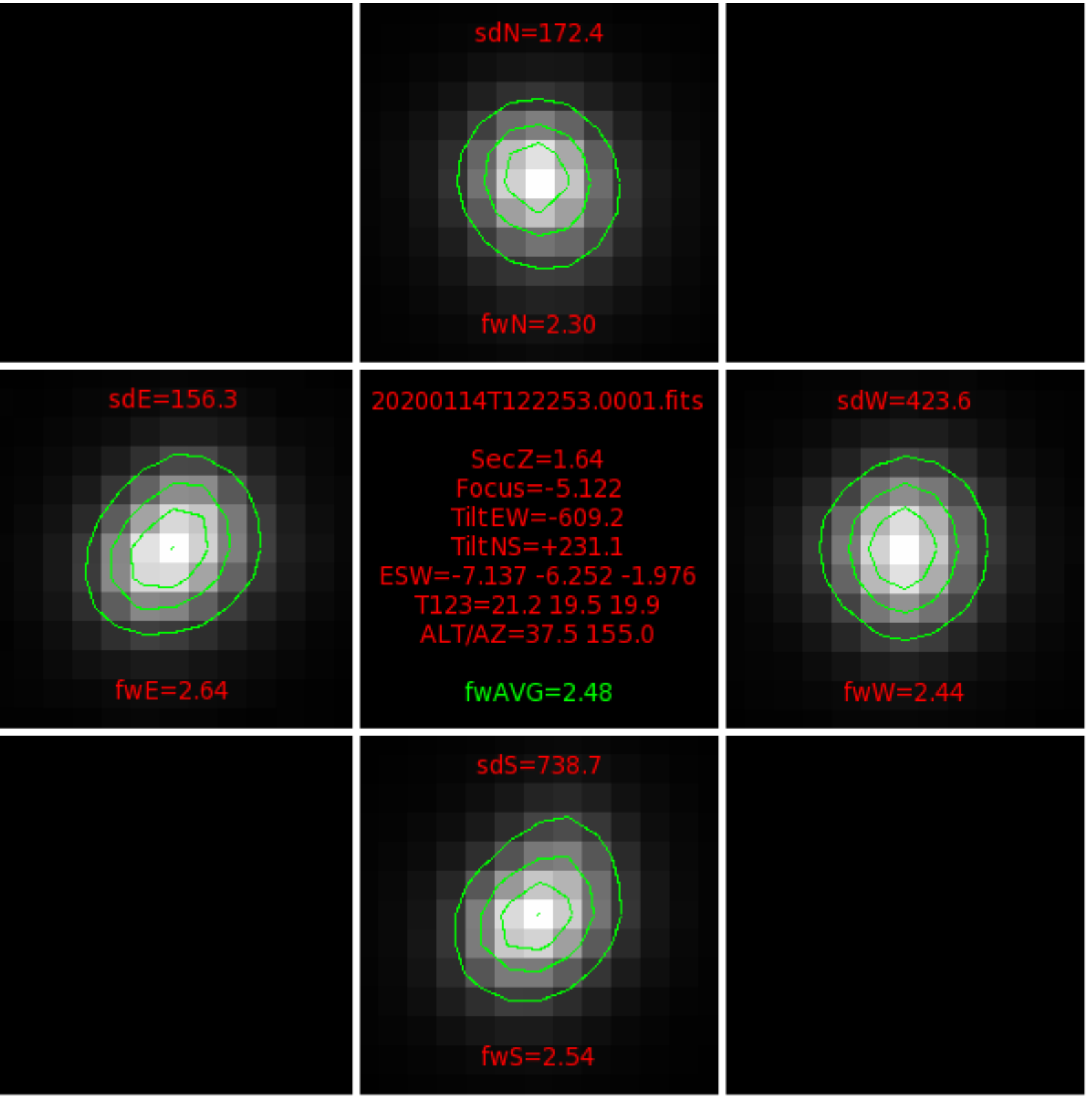
sdN=172.4
fwN=2.30
sdE=156.3
fwE=2.64
20200114T122253.0001.fits
SecZ=1.64
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=21.2 19.5 19.9
ALT/AZ=37.5 155.0
fwAVG=2.48
sdW=423.6
fwW=2.44
sdS=738.7
fwS=2.54
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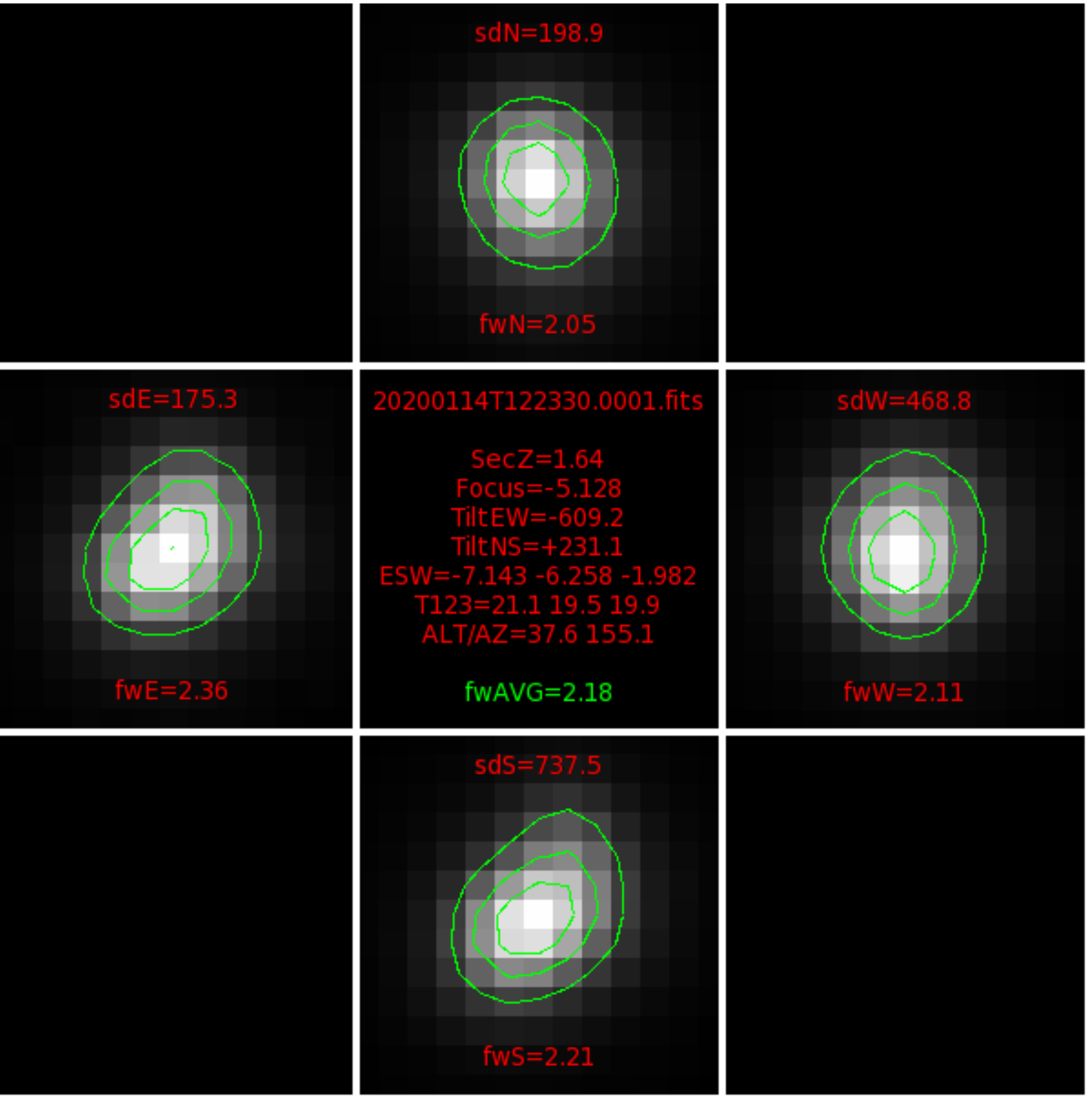
sdN=198.9
fwN=2.05
sdE=175.3
fwE=2.36
20200114T122330.0001.fits
SecZ=1.64
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.1 19.5 19.9
ALT/AZ=37.6 155.1
fwAVG=2.18
sdW=468.8
fwW=2.11
sdS=737.5
fwS=2.21
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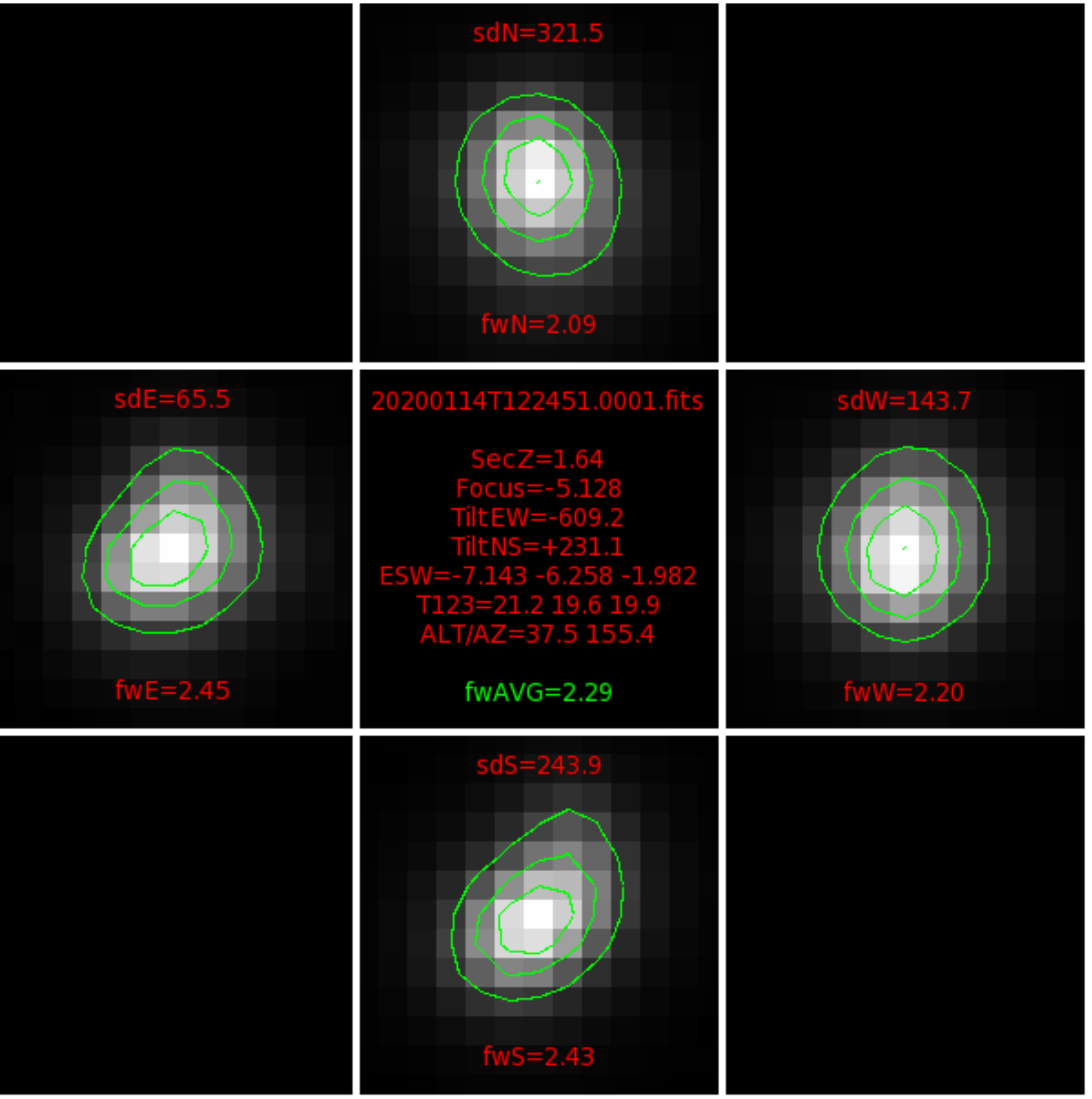
sdN=321.5
fwN=2.09
sdE=65.5
fwE=2.45
20200114T122451.0001.fits
SecZ=1.64
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.2 19.6 19.9
ALT/AZ=37.5 155.4
fwAVG=2.29
sdW=143.7
fwW=2.20
sdS=243.9
fwS=2.43
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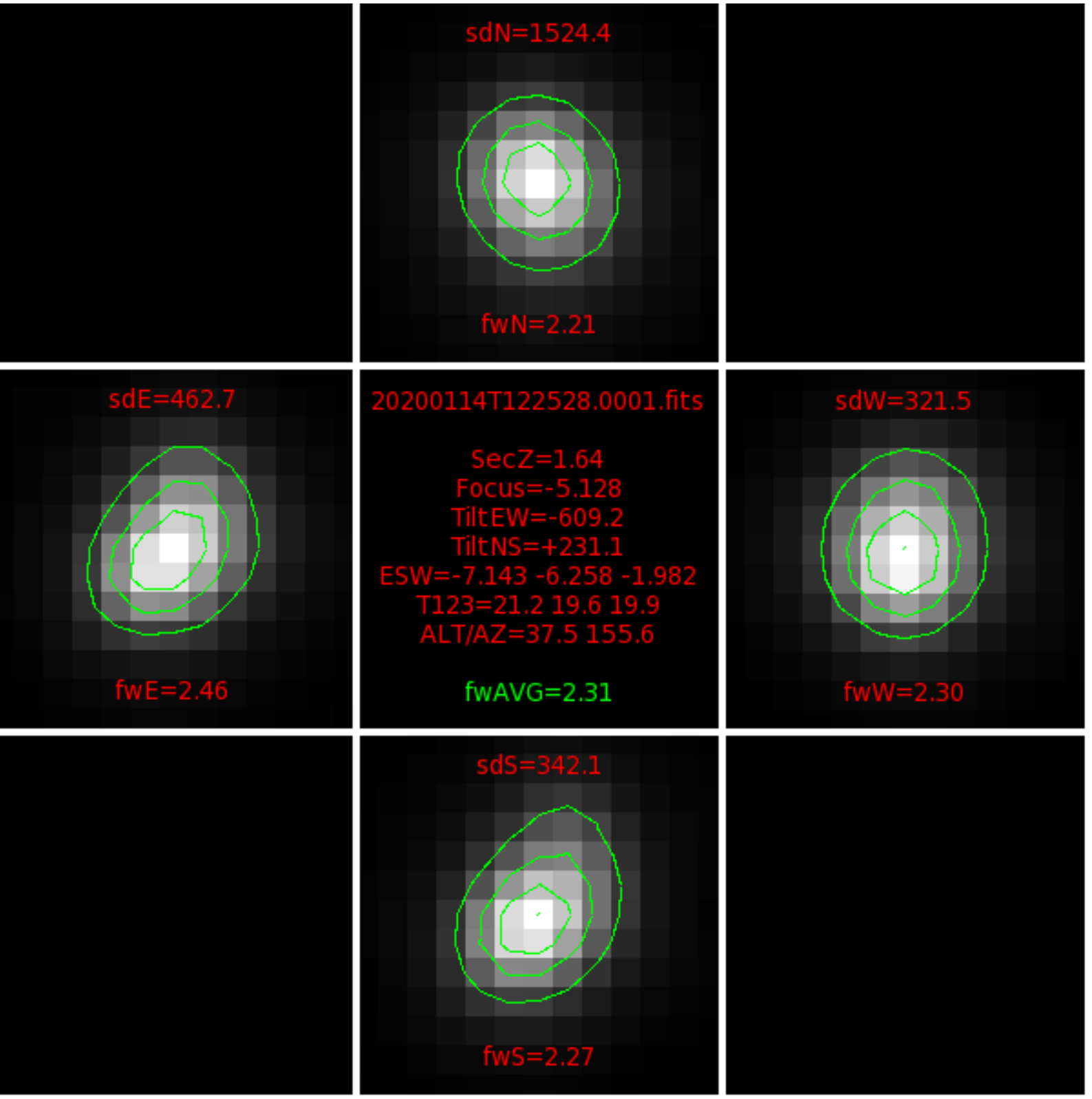
sdN=1524.4
fwN=2.21
sdE=462.7
fwE=2.46
20200114T122528.0001.fits
SecZ=1.64
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.2 19.6 19.9
ALT/AZ=37.5 155.6
fwAVG=2.31
sdW=321.5
fwW=2.30
sdS=342.1
fwS=2.27
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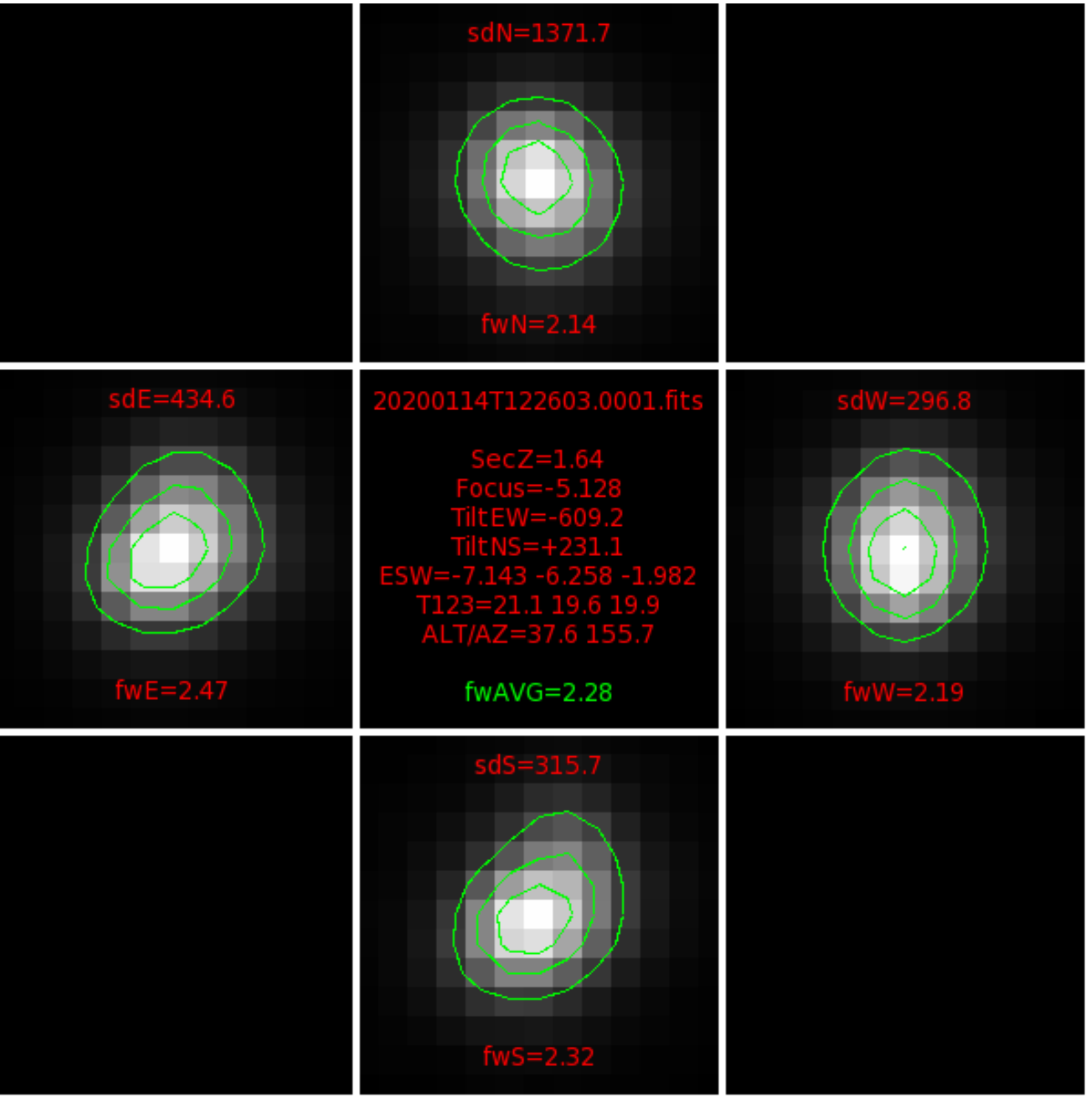
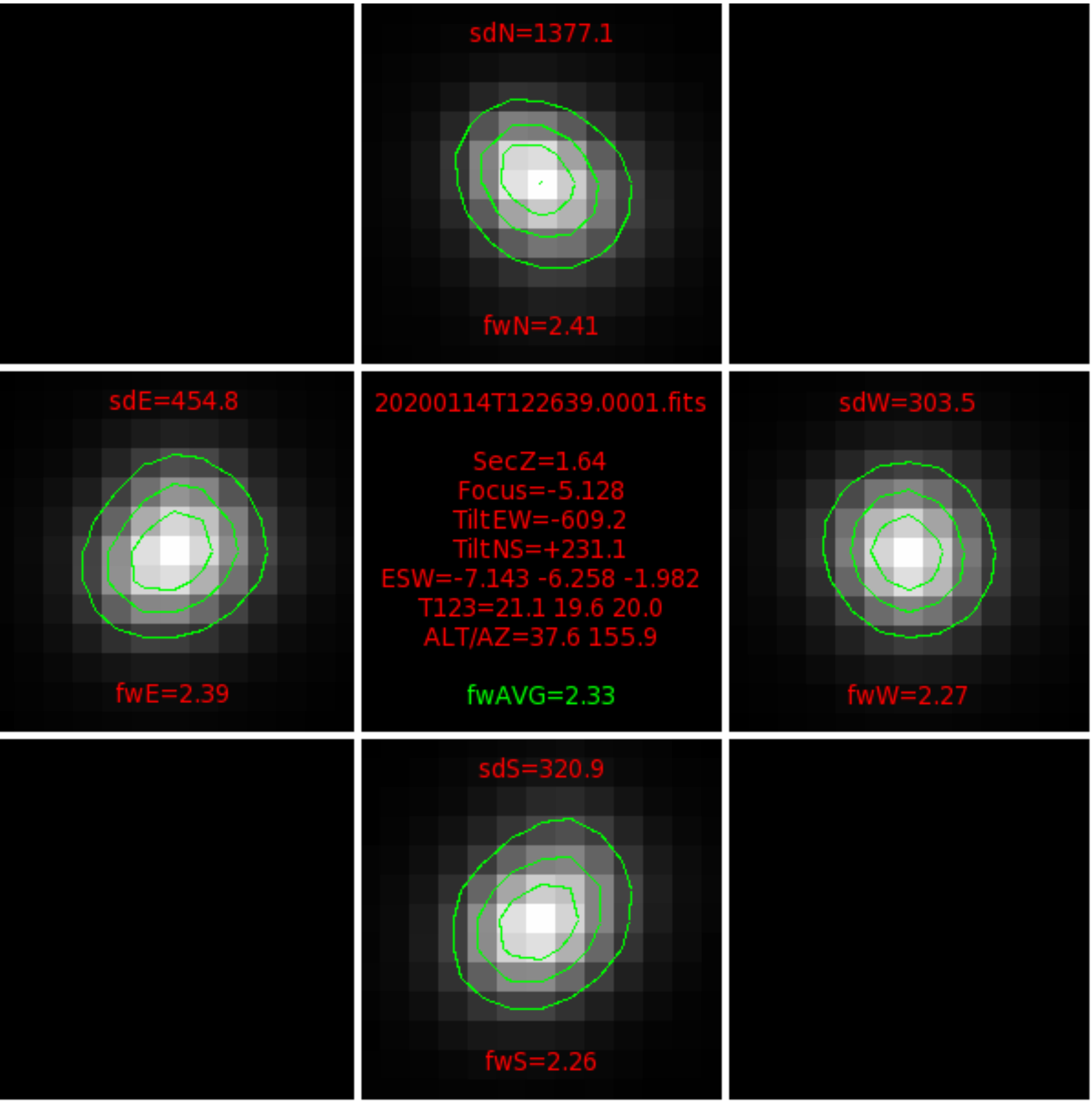

sdN=1371.7
fwN=2.14
sdE=434.6
fwE=2.47
20200114T122603.0001.fits
SecZ=1.64
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.1 19.6 19.9
ALT/AZ=37.6 155.7
fwAVG=2.28
sdW=296.8
fwW=2.19
sdS=315.7
fwS=2.32
0 0 0 0 0 0 0 0 0


sdN=1377.1
fwN=2.41
sdE=454.8
fwE=2.39
20200114T122639.0001.fits
SecZ=1.64
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.1 19.6 20.0
ALT/AZ=37.6 155.9
fwAVG=2.33
sdW=303.5
fwW=2.27
sdS=320.9
fwS=2.26
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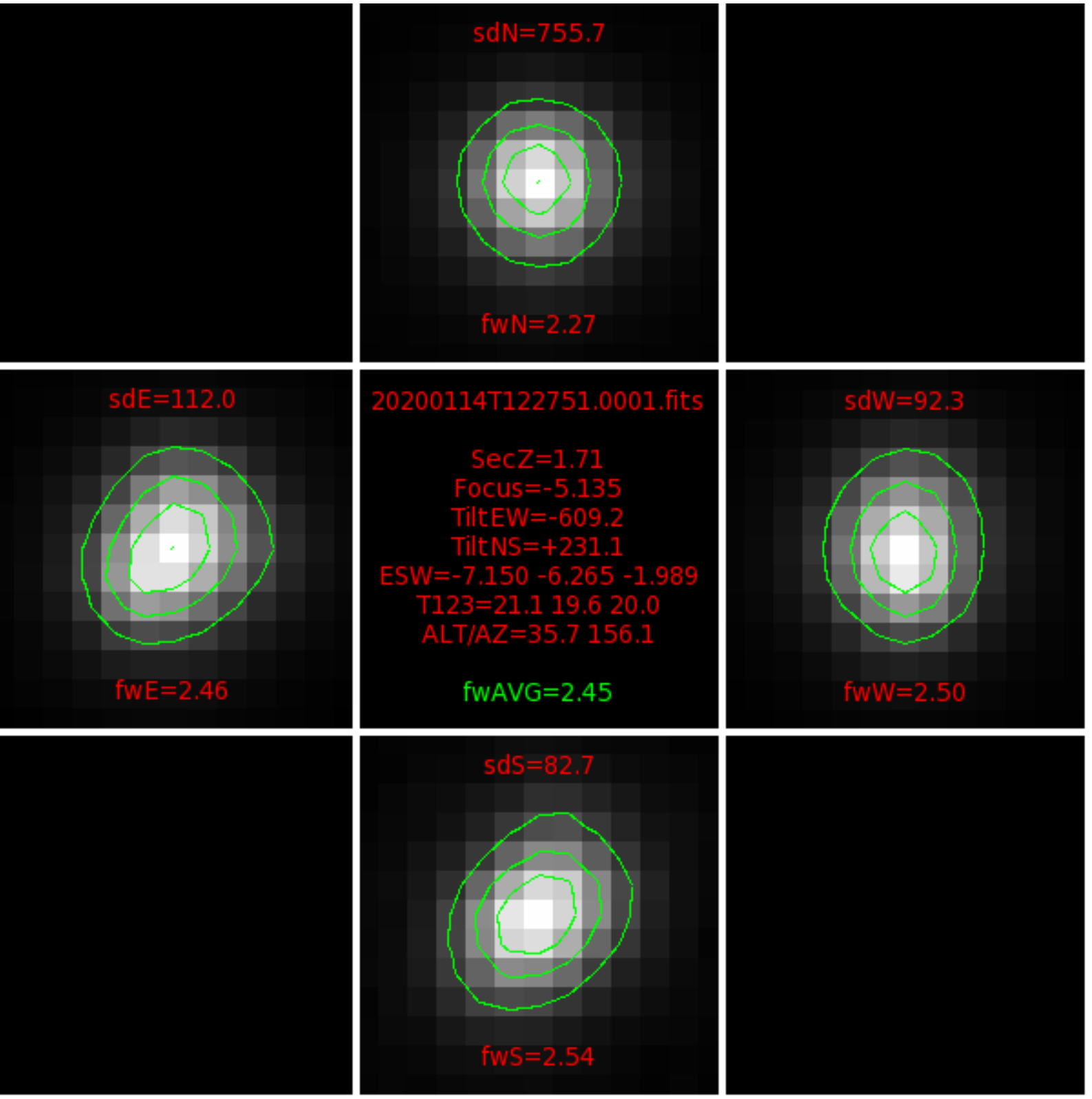
sdN=755.7
fwN=2.27
sdE=112.0
fwE=2.46
20200114T122751.0001.fits
SecZ=1.71
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=21.1 19.6 20.0
ALT/AZ=35.7 156.1
fwAVG=2.45
sdW=92.3
fwW=2.50
sdS=82.7
fwS=2.54
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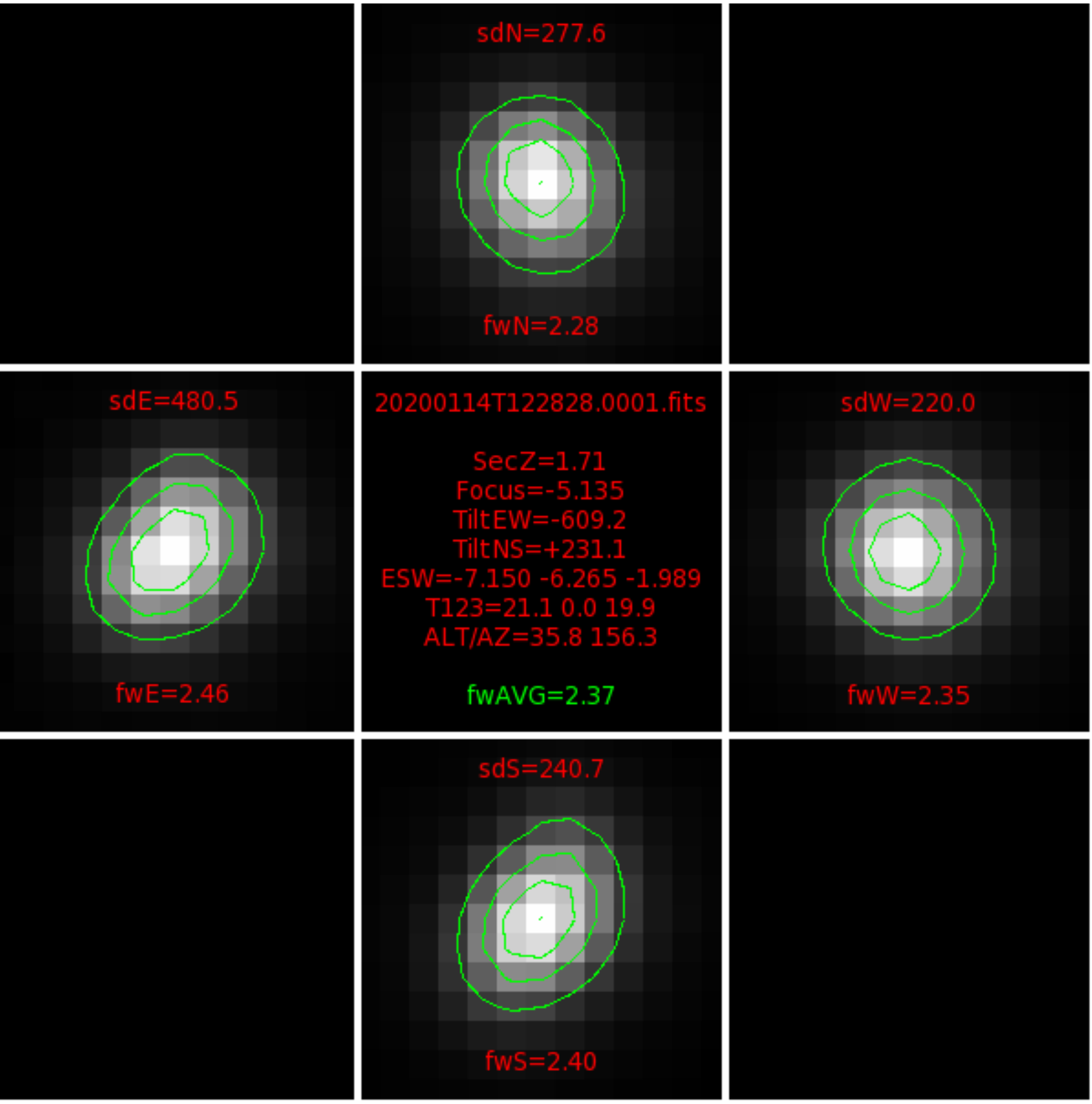
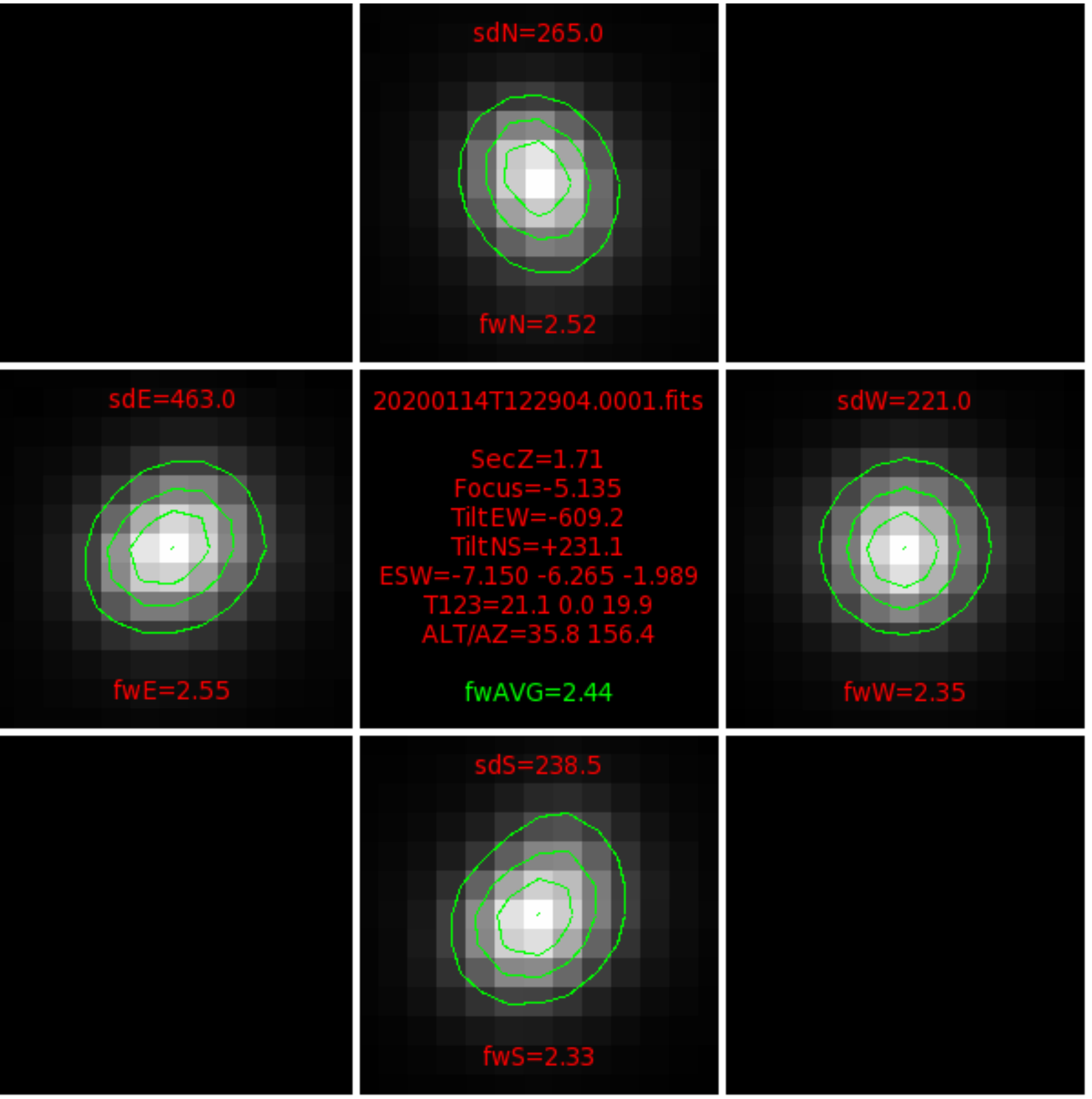
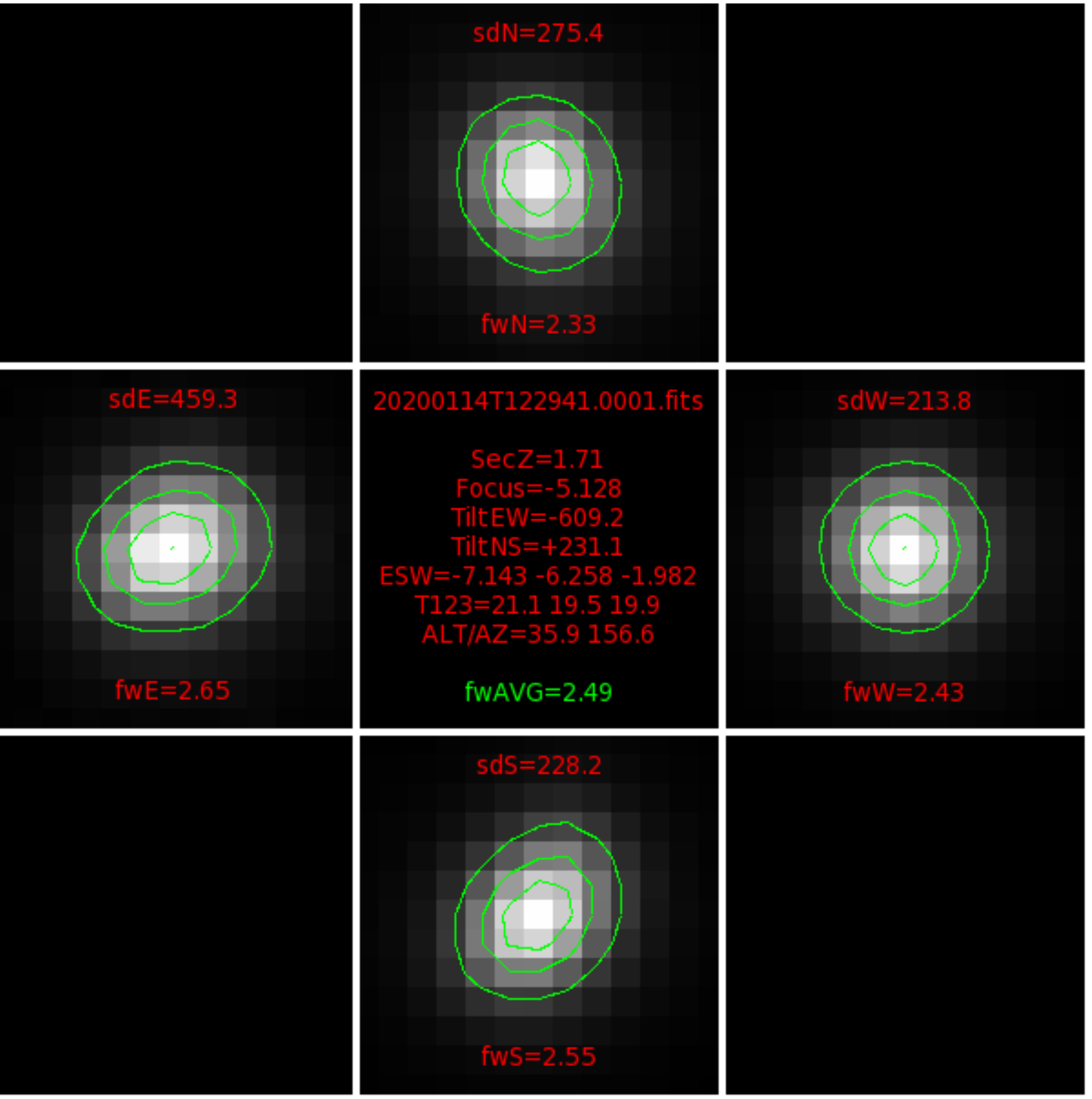
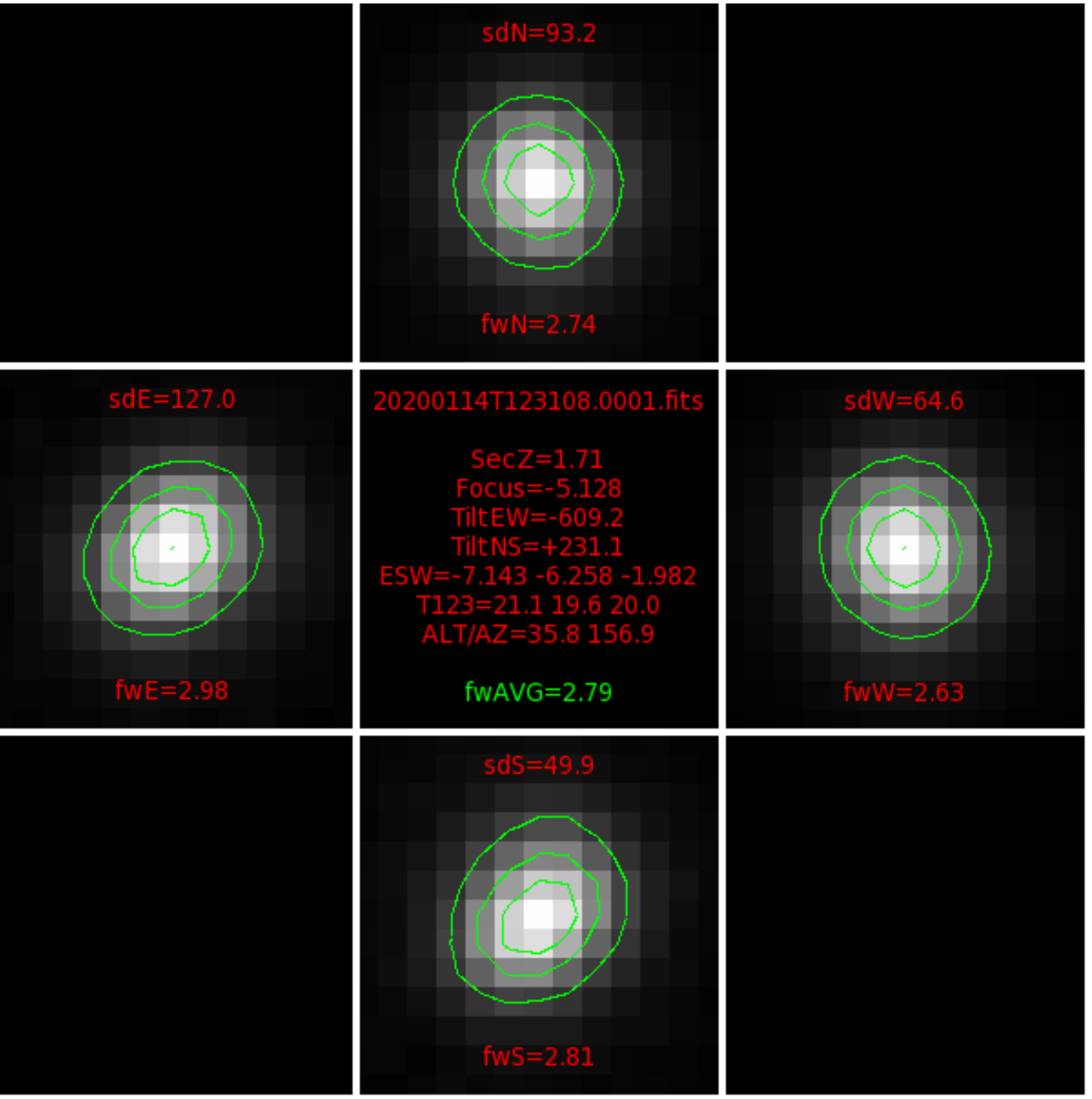

sdN=277.6
fwN=2.28
sdE=480.5
fwE=2.46
20200114T122828.0001.fits
SecZ=1.71
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=21.1 0.0 19.9
ALT/AZ=35.8 156.3
fwAVG=2.37
sdW=220.0
fwW=2.35
sdS=240.7
fwS=2.40
0 0 0 0 0 0 0 0 0


sdN=265.0
fwN=2.52
sdE=463.0
fwE=2.55
20200114T122904.0001.fits
SecZ=1.71
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=21.1 0.0 19.9
ALT/AZ=35.8 156.4
fwAVG=2.44
sdW=221.0
fwW=2.35
sdS=238.5
fwS=2.33
0 0 0 0 0 0 0 0 0


sdN=275.4
fwN=2.33
sdE=459.3
fwE=2.65
20200114T122941.0001.fits
SecZ=1.71
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.1 19.5 19.9
ALT/AZ=35.9 156.6
fwAVG=2.49
sdW=213.8
fwW=2.43
sdS=228.2
fwS=2.55
0 0 0 0 0 0 0 0 0


sdN=93.2
fwN=2.74
sdE=127.0
fwE=2.98
20200114T123108.0001.fits
SecZ=1.71
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.1 19.6 20.0
ALT/AZ=35.8 156.9
fwAVG=2.79
sdW=64.6
fwW=2.63
sdS=49.9
fwS=2.81
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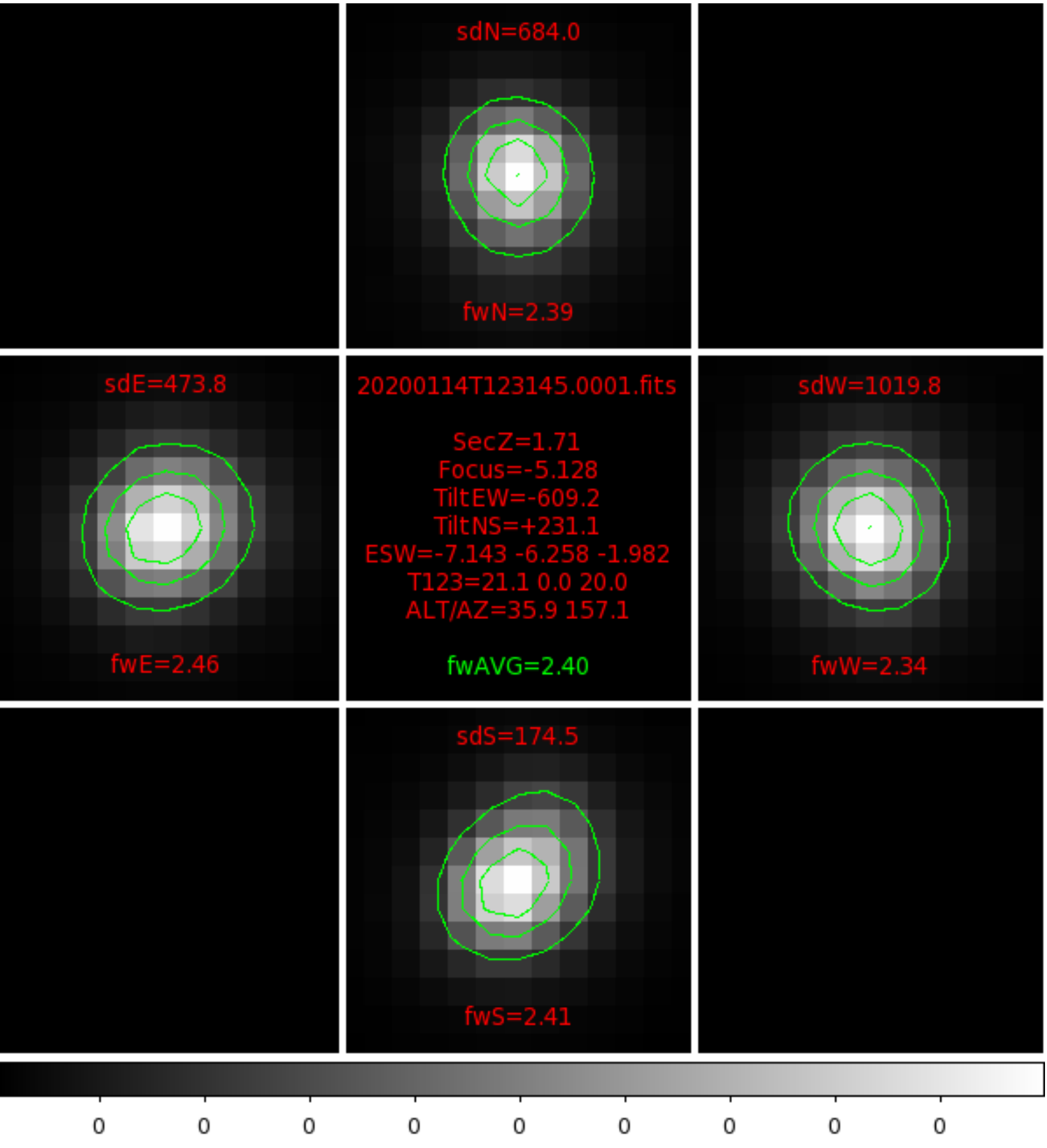
sdN=684.0
fwN=2.39
sdE=473.8
fwE=2.46
20200114T123145.0001.fits
SecZ=1.71
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.1 0.0 20.0
ALT/AZ=35.9 157.1
fwAVG=2.40
sdW=1019.8
fwW=2.34
sdS=174.5
fwS=2.41
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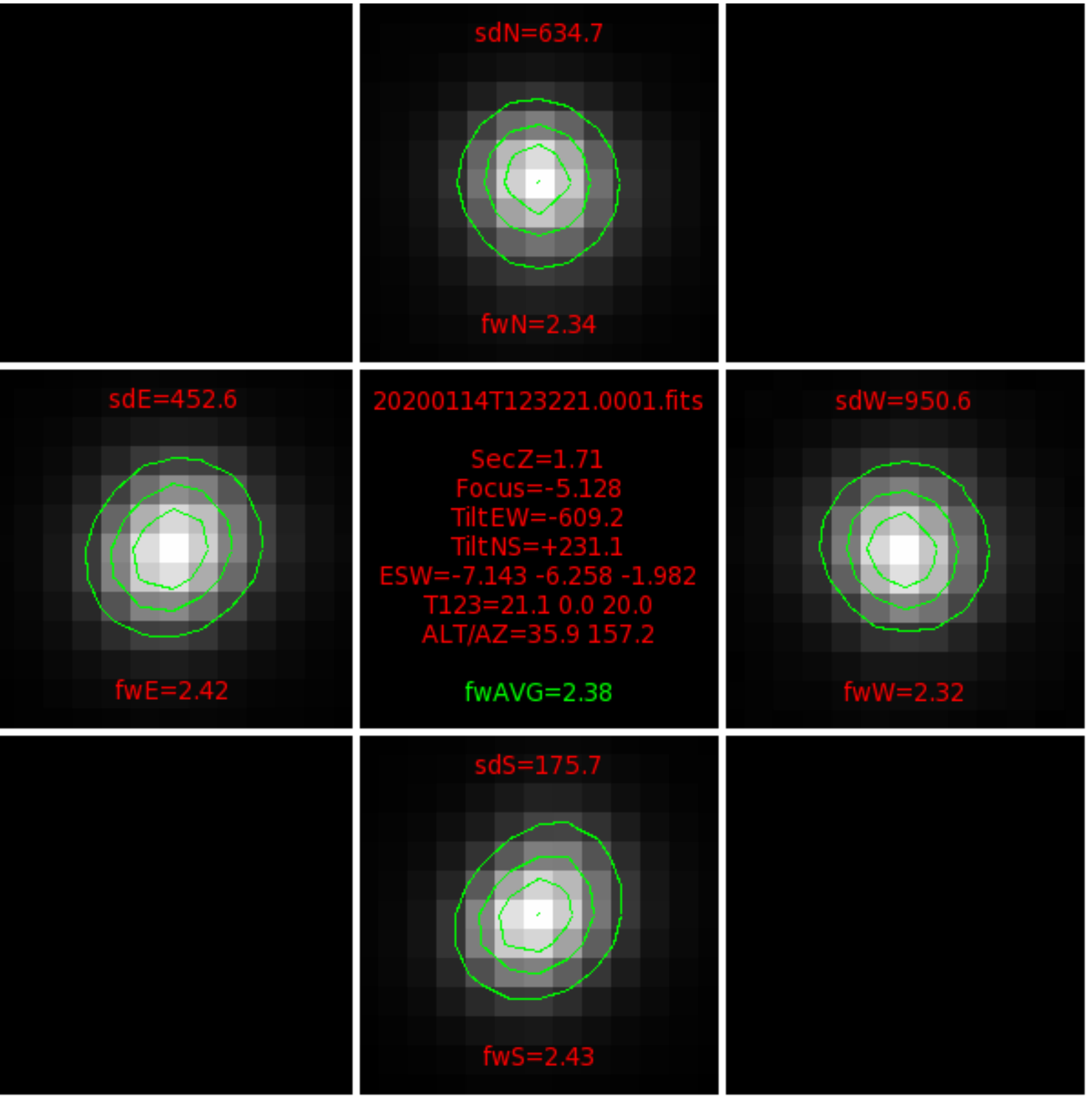
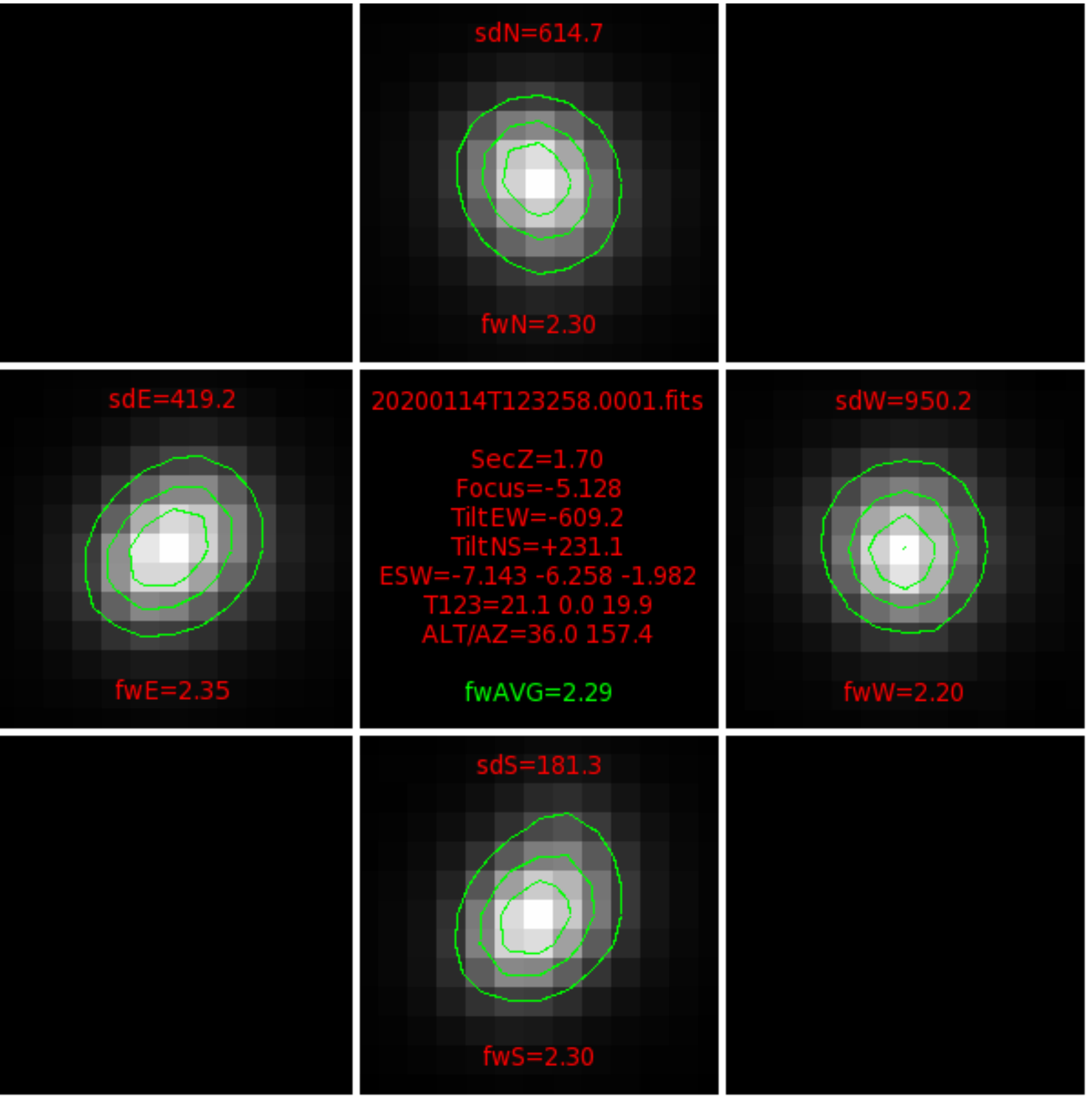
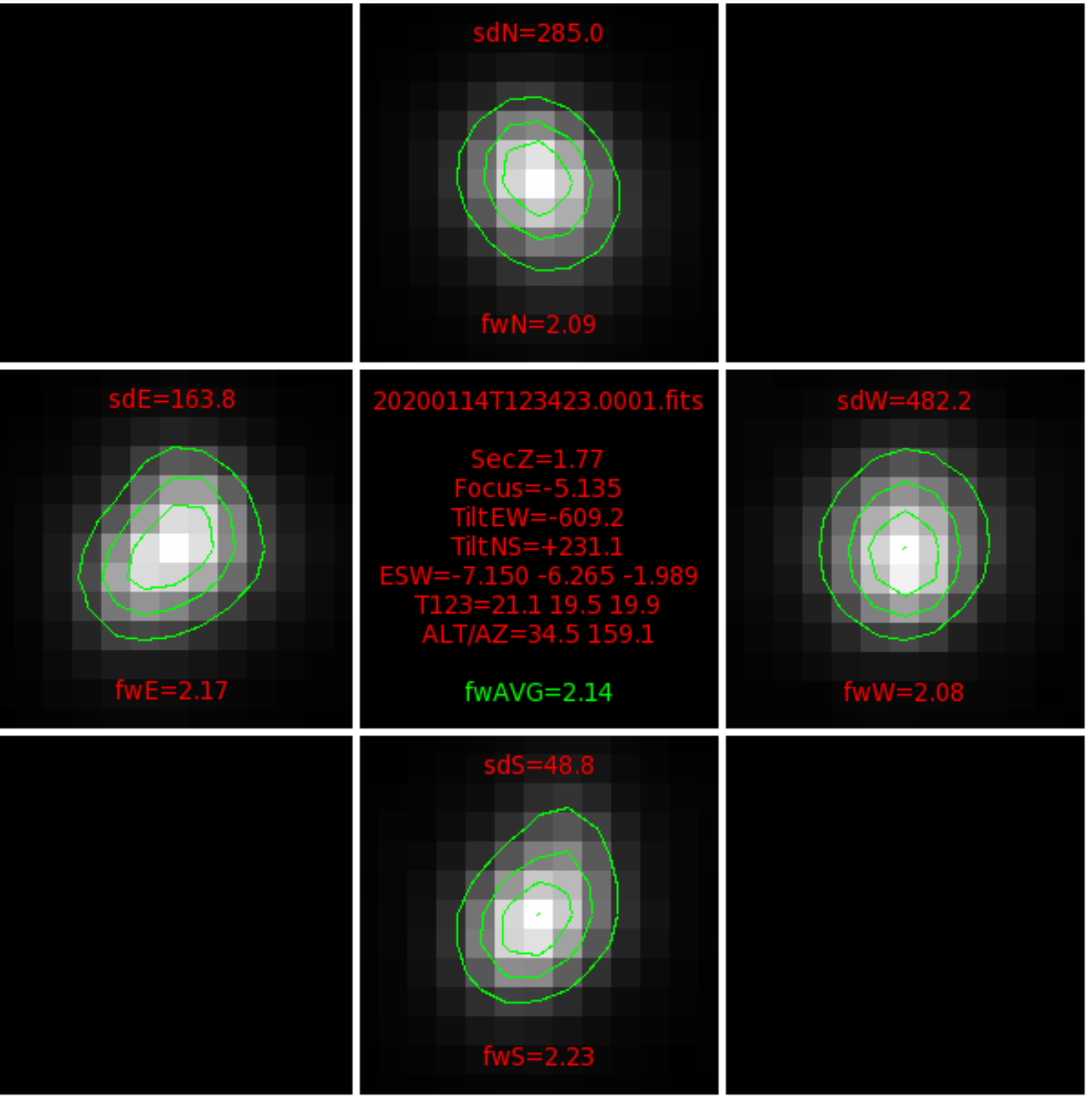

sdN=634.7
fwN=2.34
sdE=452.6
fwE=2.42
20200114T123221.0001.fits
SecZ=1.71
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.1 0.0 20.0
ALT/AZ=35.9 157.2
fwAVG=2.38
sdW=950.6
fwW=2.32
sdS=175.7
fwS=2.43
0 0 0 0 0 0 0 0 0


sdN=614.7
fwN=2.30
sdE=419.2
fwE=2.35
20200114T123258.0001.fits
SecZ=1.70
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.1 0.0 19.9
ALT/AZ=36.0 157.4
fwAVG=2.29
sdW=950.2
fwW=2.20
sdS=181.3
fwS=2.30
0 0 0 0 0 0 0 0 0


sdN=285.0
fwN=2.09
sdE=163.8
fwE=2.17
20200114T123423.0001.fits
SecZ=1.77
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=21.1 19.5 19.9
ALT/AZ=34.5 159.1
fwAVG=2.14
sdW=482.2
fwW=2.08
sdS=48.8
fwS=2.23
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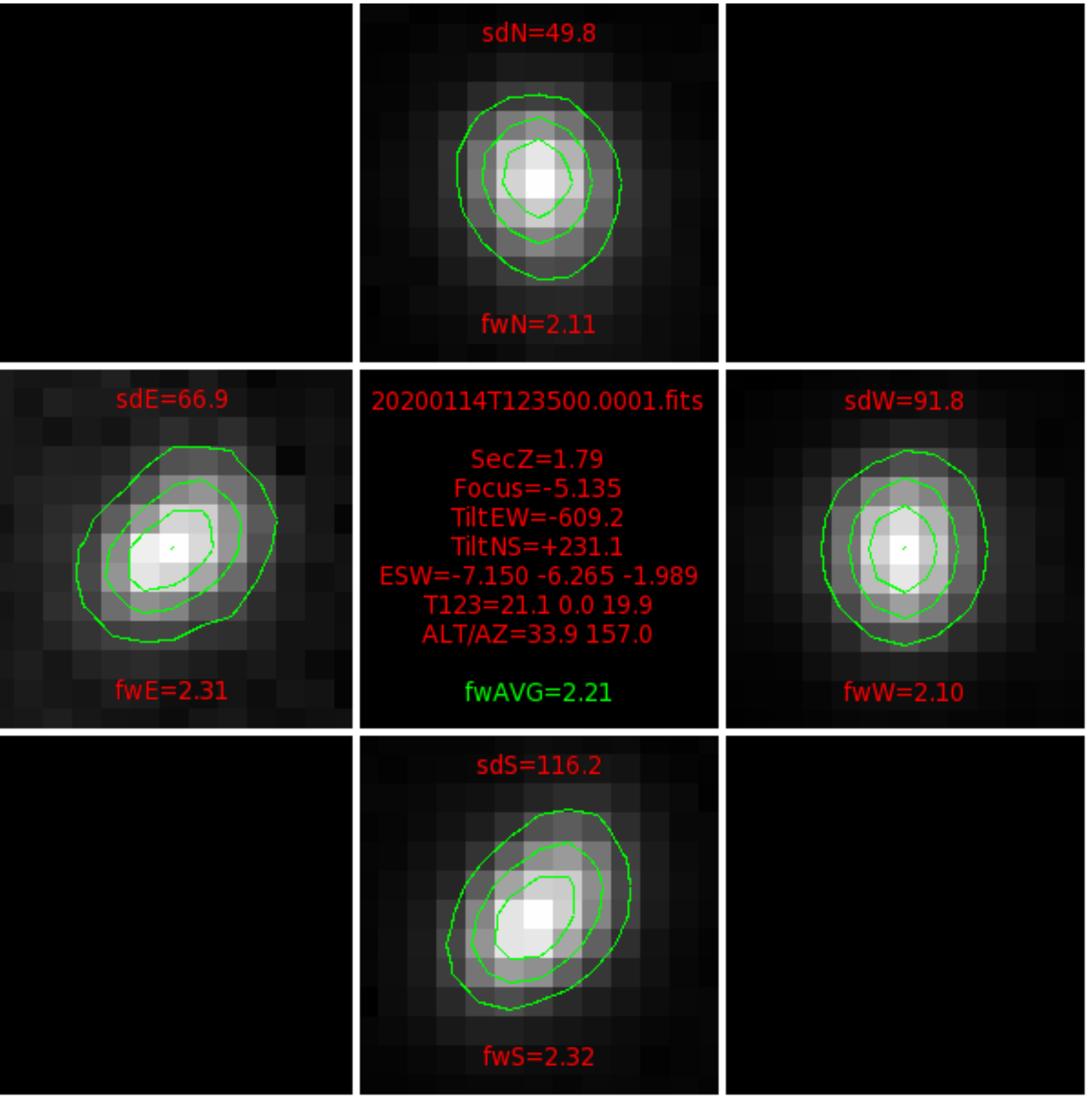
sdN=49.8
fwN=2.11
sdE=66.9
fwE=2.31
20200114T123500.0001.fits
SecZ=1.79
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=21.1 0.0 19.9
ALT/AZ=33.9 157.0
fwAVG=2.21
sdW=91.8
fwW=2.10
sdS=116.2
fwS=2.32
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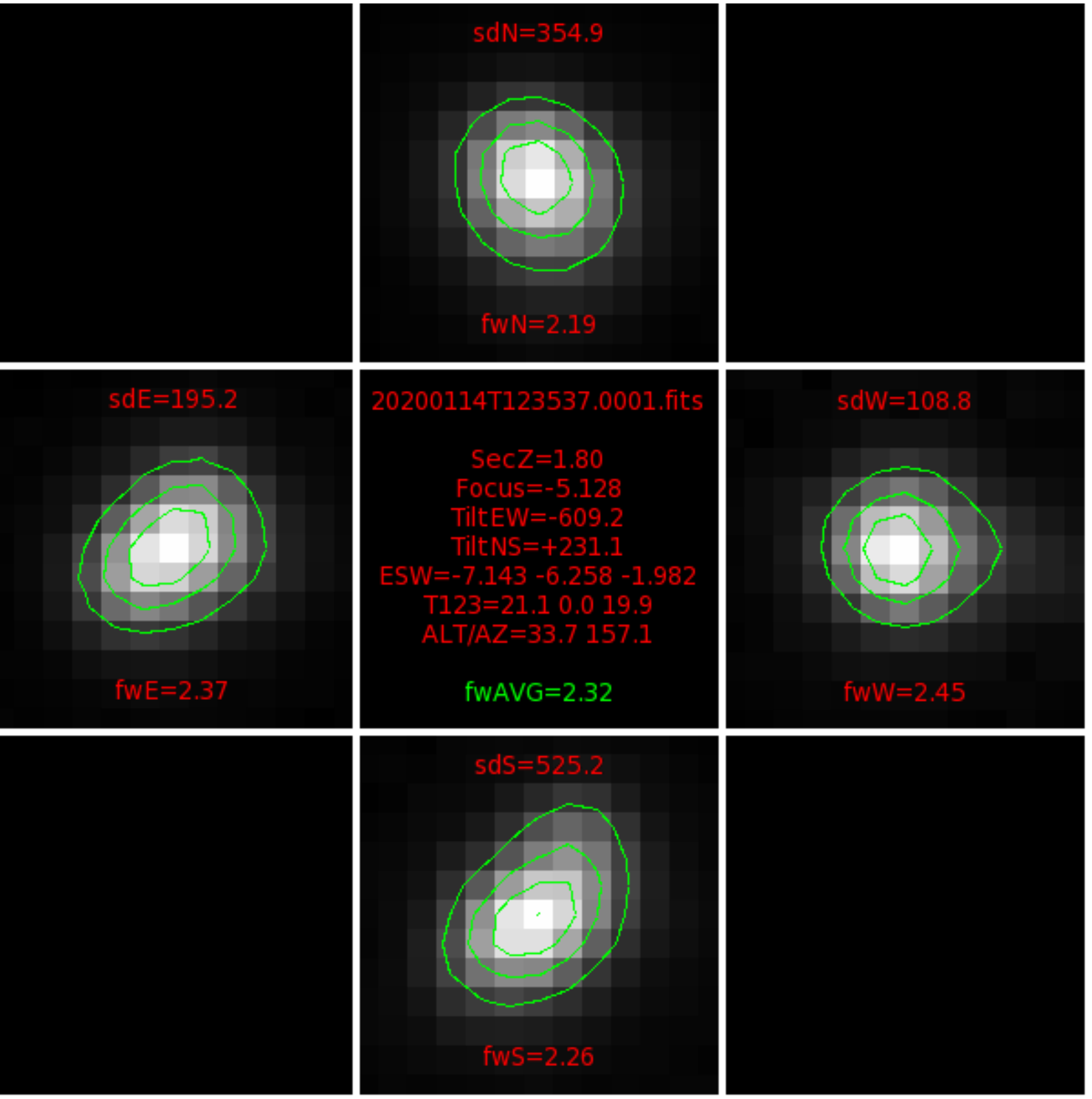
sdN=354.9
fwN=2.19
sdE=195.2
fwE=2.37
20200114T123537.0001.fits
SecZ=1.80
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.1 0.0 19.9
ALT/AZ=33.7 157.1
fwAVG=2.32
sdW=108.8
fwW=2.45
sdS=525.2
fwS=2.26
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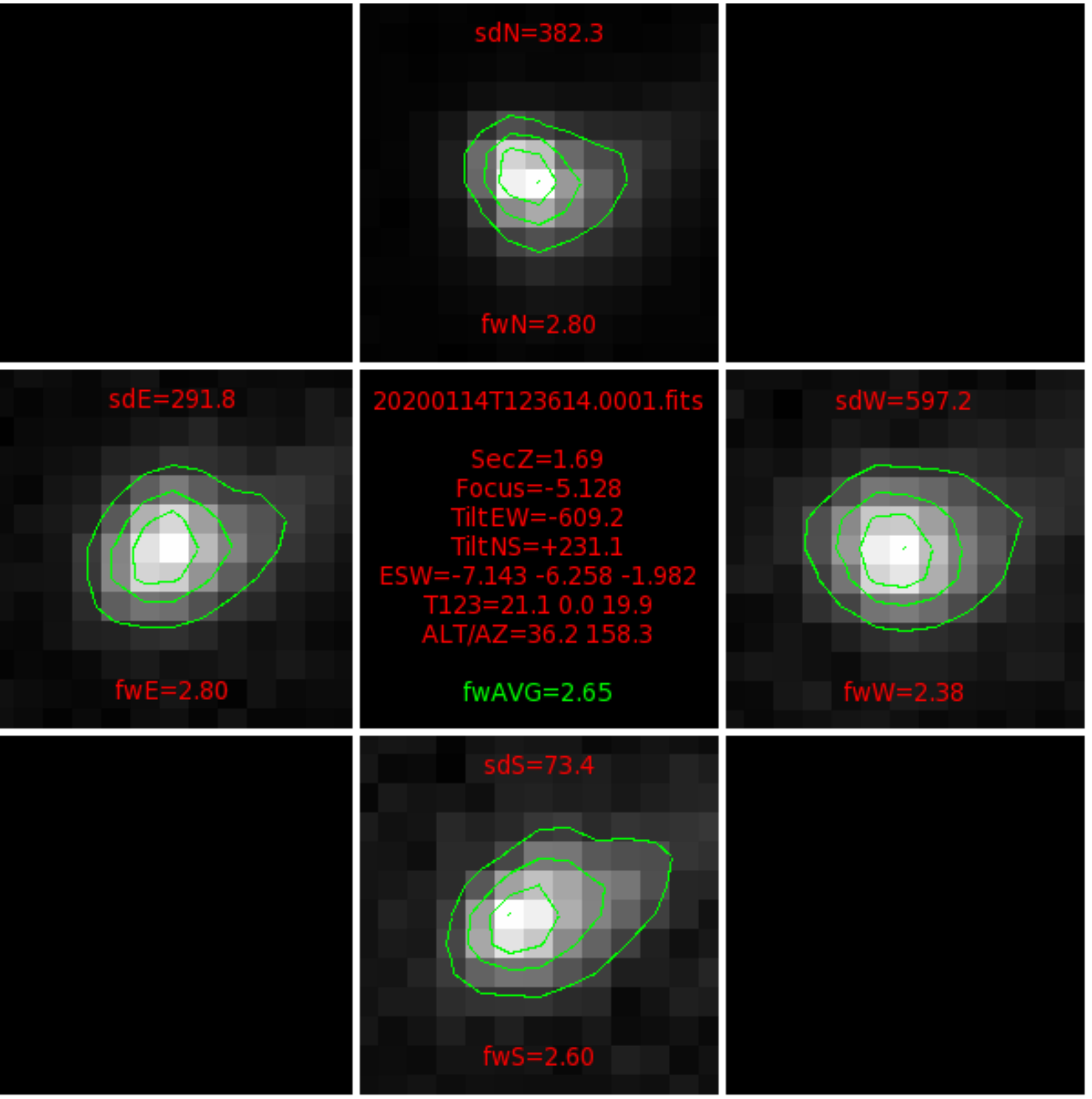
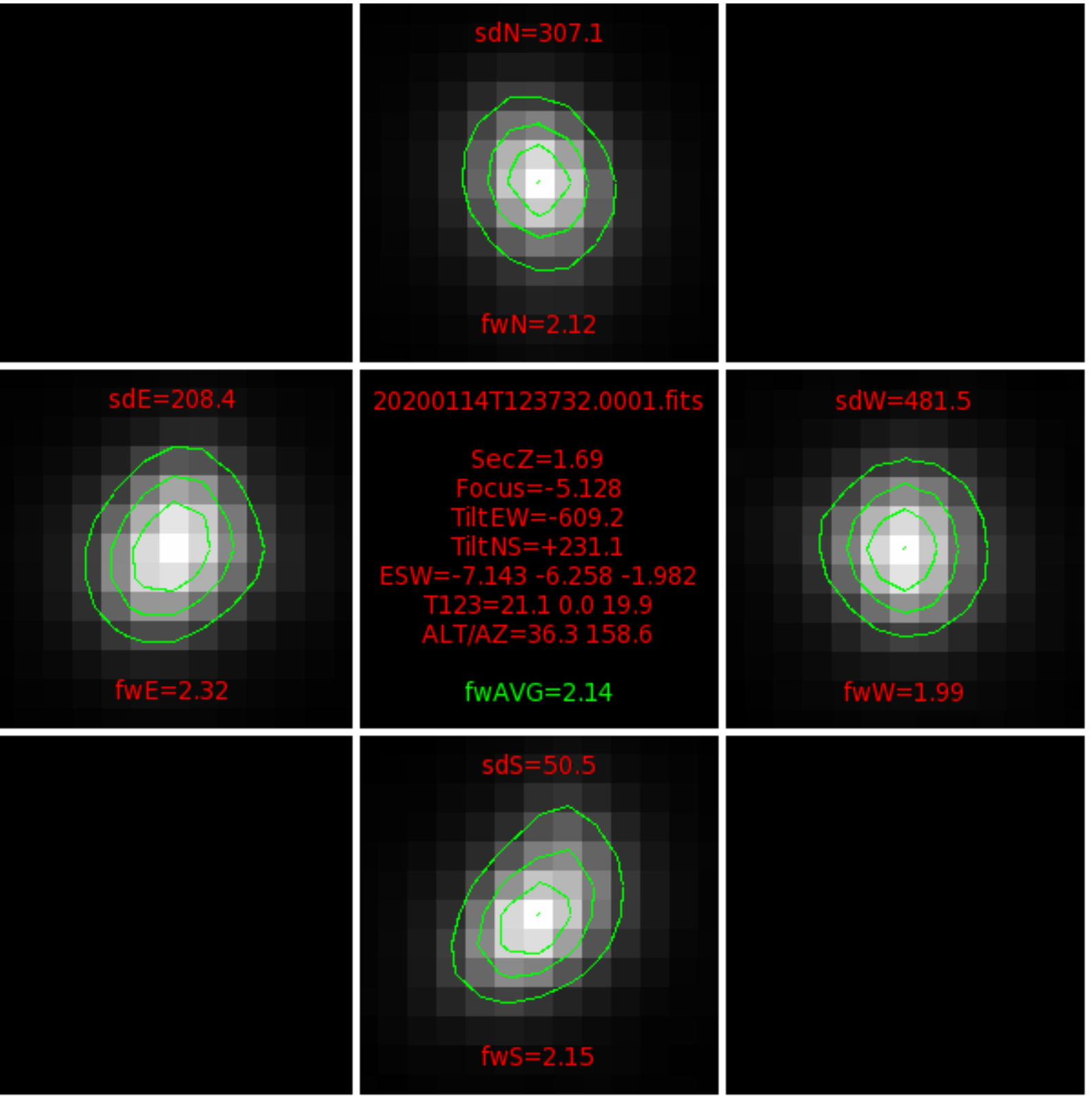
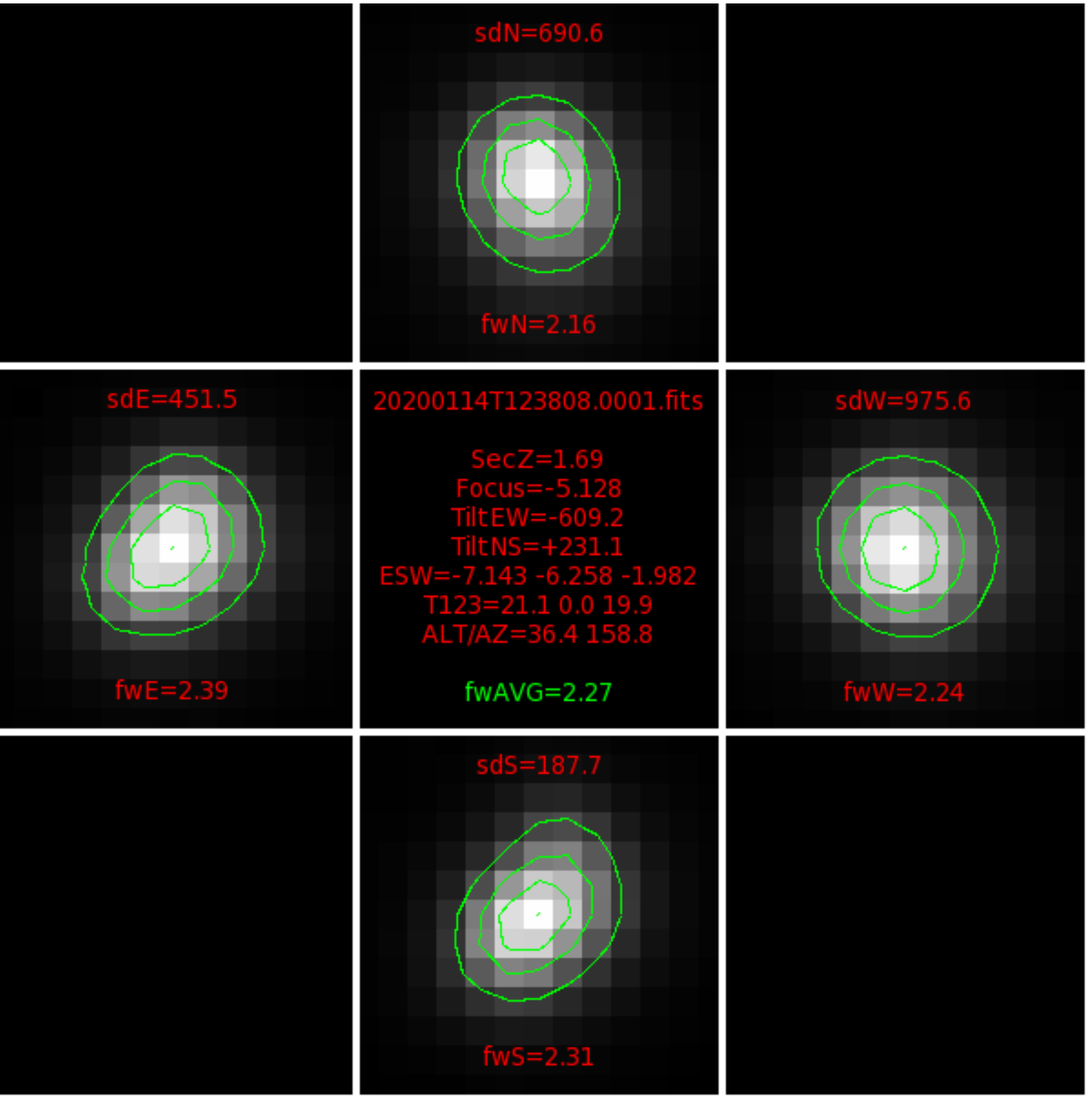

sdN=382.3
fwN=2.80
sdE=291.8
fwE=2.80
20200114T123614.0001.fits
SecZ=1.69
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.1 0.0 19.9
ALT/AZ=36.2 158.3
fwAVG=2.65
sdW=597.2
fwW=2.38
sdS=73.4
fwS=2.60
0 0 0 0 0 0 0 0 0


sdN=307.1
fwN=2.12
sdE=208.4
fwE=2.32
20200114T123732.0001.fits
SecZ=1.69
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.1 0.0 19.9
ALT/AZ=36.3 158.6
fwAVG=2.14
sdW=481.5
fwW=1.99
sdS=50.5
fwS=2.15
0 0 0 0 0 0 0 0 0


sdN=690.6
fwN=2.16
sdE=451.5
fwE=2.39
20200114T123808.0001.fits
SecZ=1.69
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.1 0.0 19.9
ALT/AZ=36.4 158.8
fwAVG=2.27
sdW=975.6
fwW=2.24
sdS=187.7
fwS=2.31
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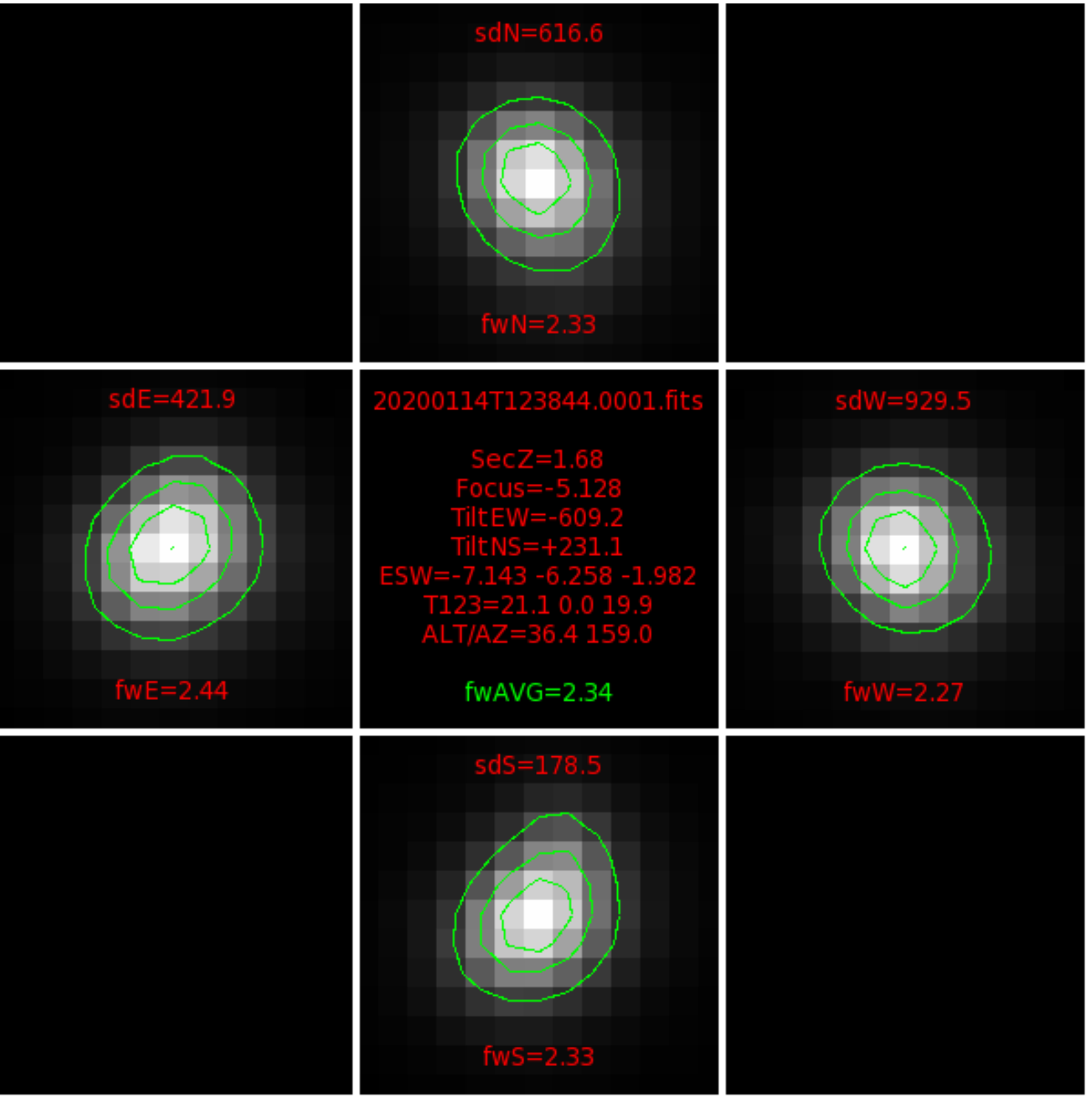
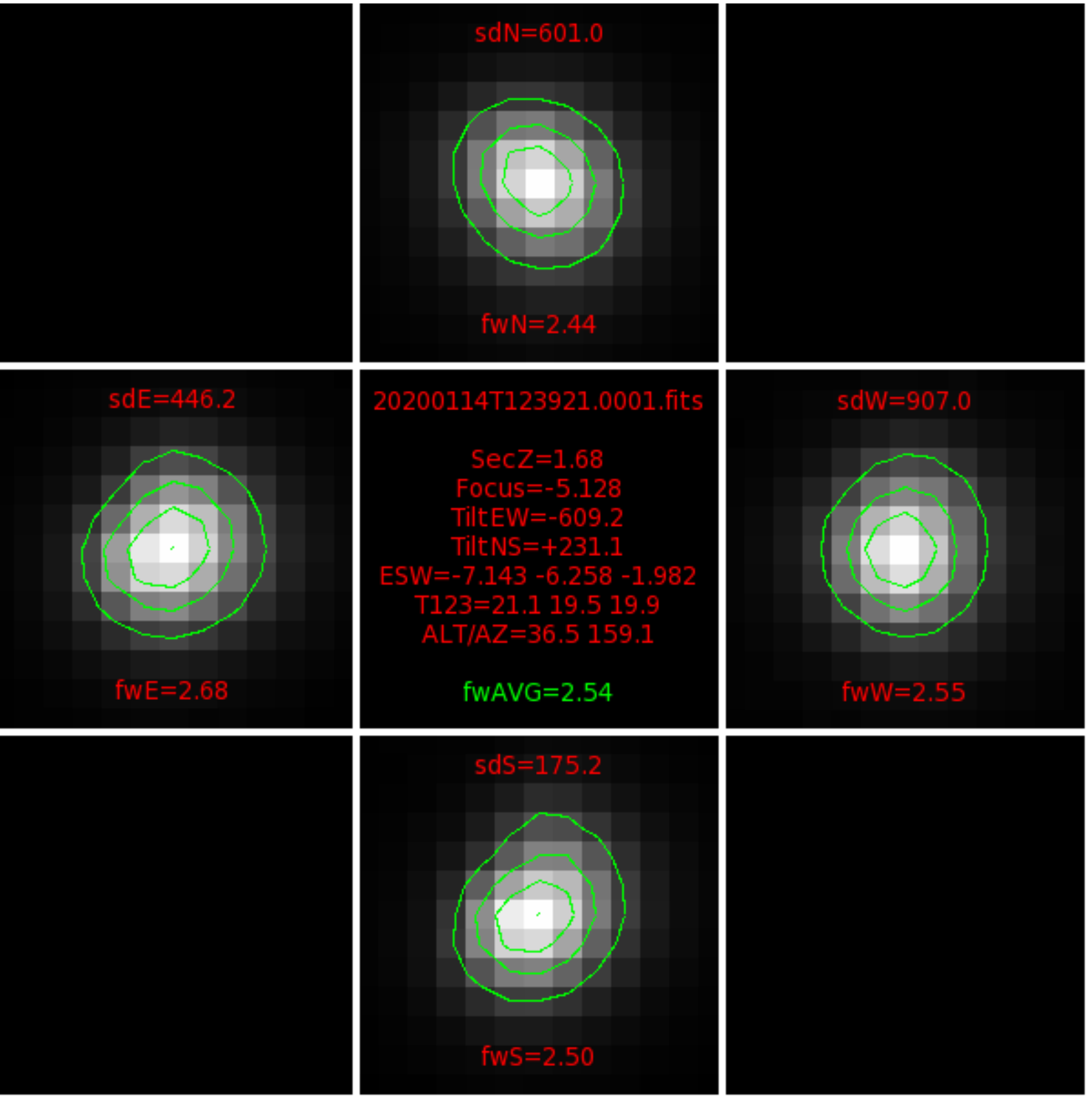

sdN=616.6
fwN=2.33
sdE=421.9
fwE=2.44
20200114T123844.0001.fits
SecZ=1.68
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.1 0.0 19.9
ALT/AZ=36.4 159.0
fwAVG=2.34
sdW=929.5
fwW=2.27
sdS=178.5
fwS=2.33
0 0 0 0 0 0 0 0 0


sdN=601.0
fwN=2.44
sdE=446.2
fwE=2.68
20200114T123921.0001.fits
SecZ=1.68
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.1 19.5 19.9
ALT/AZ=36.5 159.1
fwAVG=2.54
sdW=907.0
fwW=2.55
sdS=175.2
fwS=2.50
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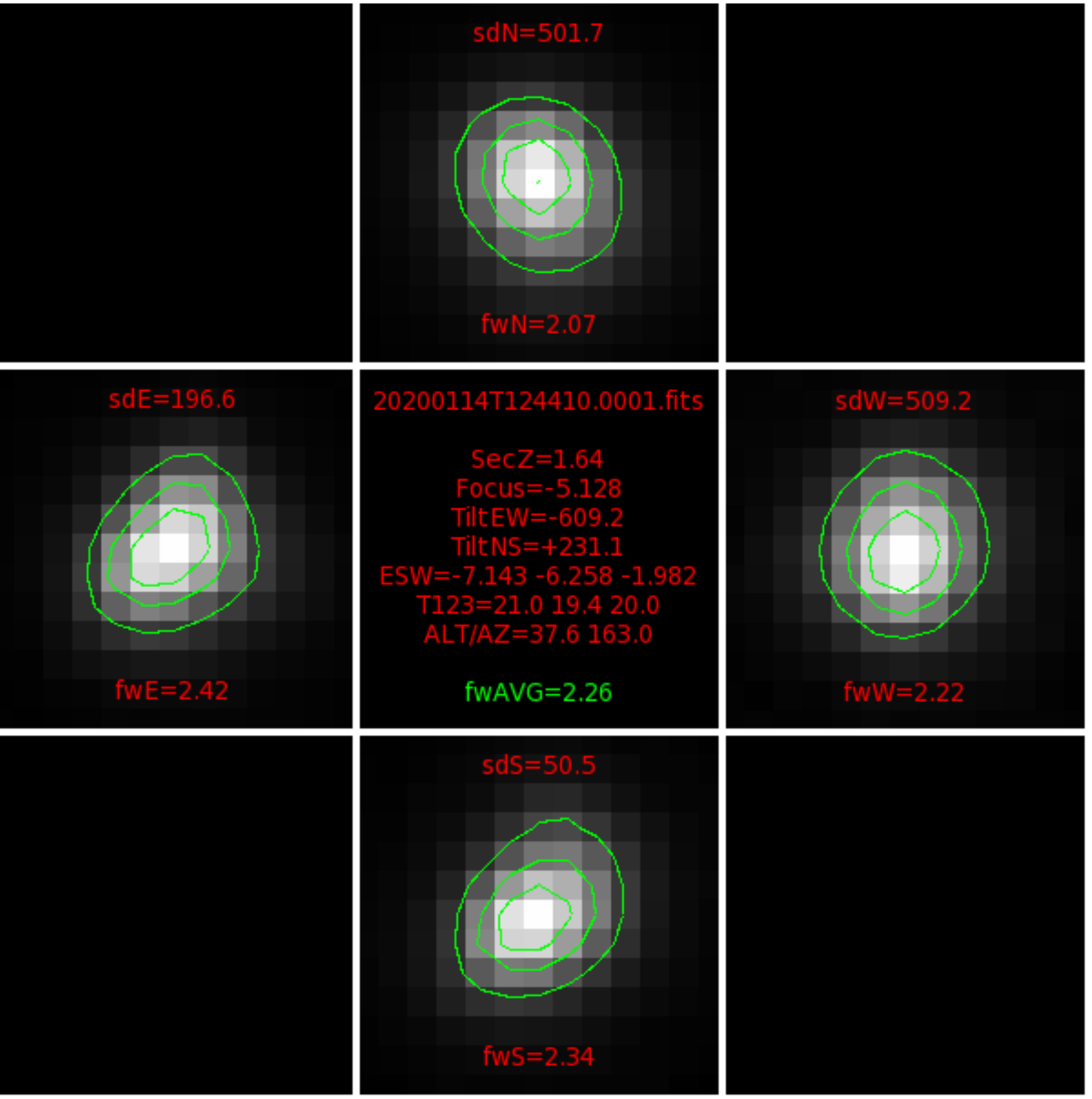
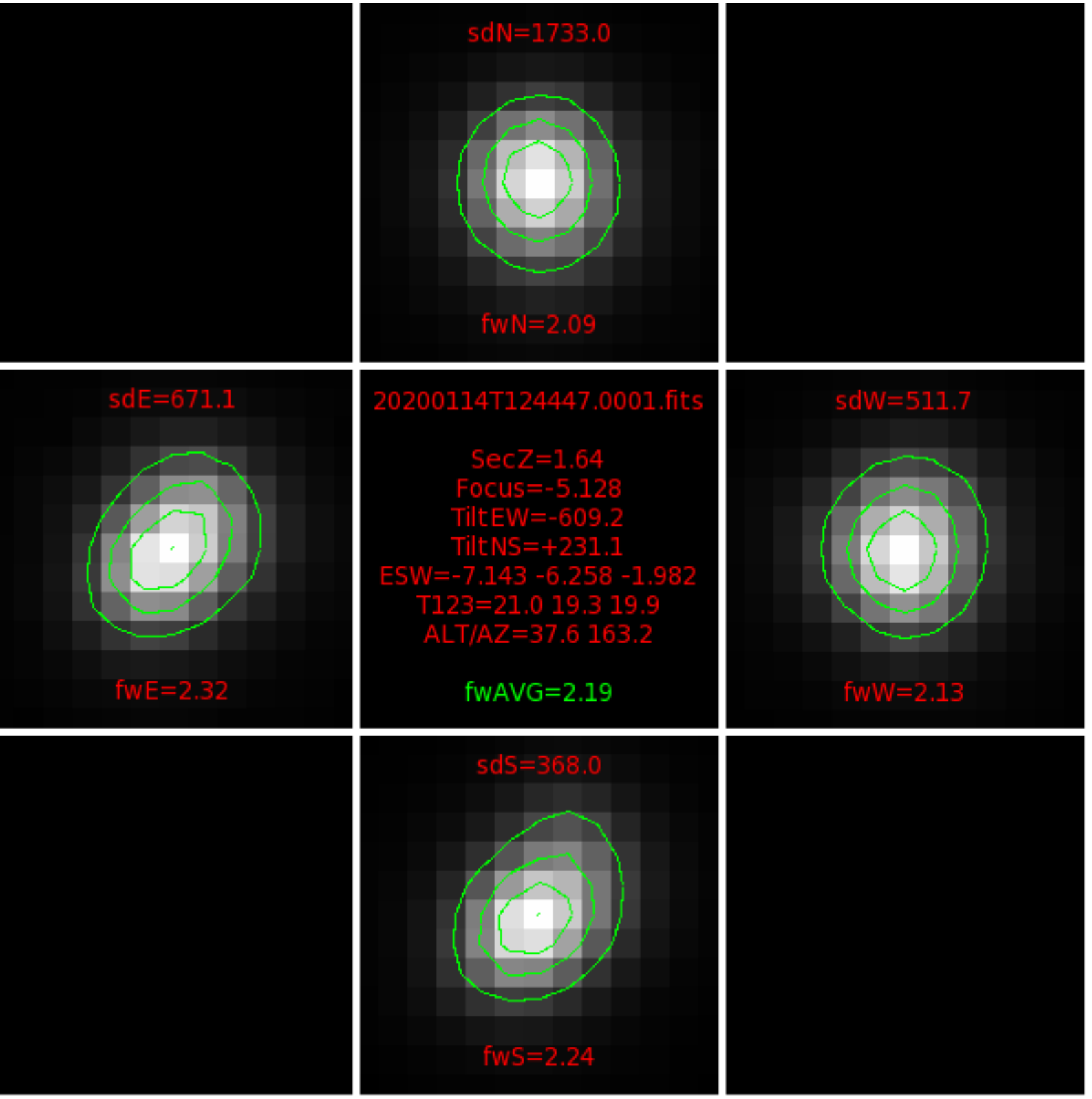

sdN=501.7
fwN=2.07
sdE=196.6
fwE=2.42
20200114T124410.0001.fits
SecZ=1.64
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.0 19.4 20.0
ALT/AZ=37.6 163.0
fwAVG=2.26
sdW=509.2
fwW=2.22
sdS=50.5
fwS=2.34
0 0 0 0 0 0 0 0 0


sdN=1733.0
fwN=2.09
sdE=671.1
fwE=2.32
20200114T124447.0001.fits
SecZ=1.64
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.0 19.3 19.9
ALT/AZ=37.6 163.2
fwAVG=2.19
sdW=511.7
fwW=2.13
sdS=368.0
fwS=2.24
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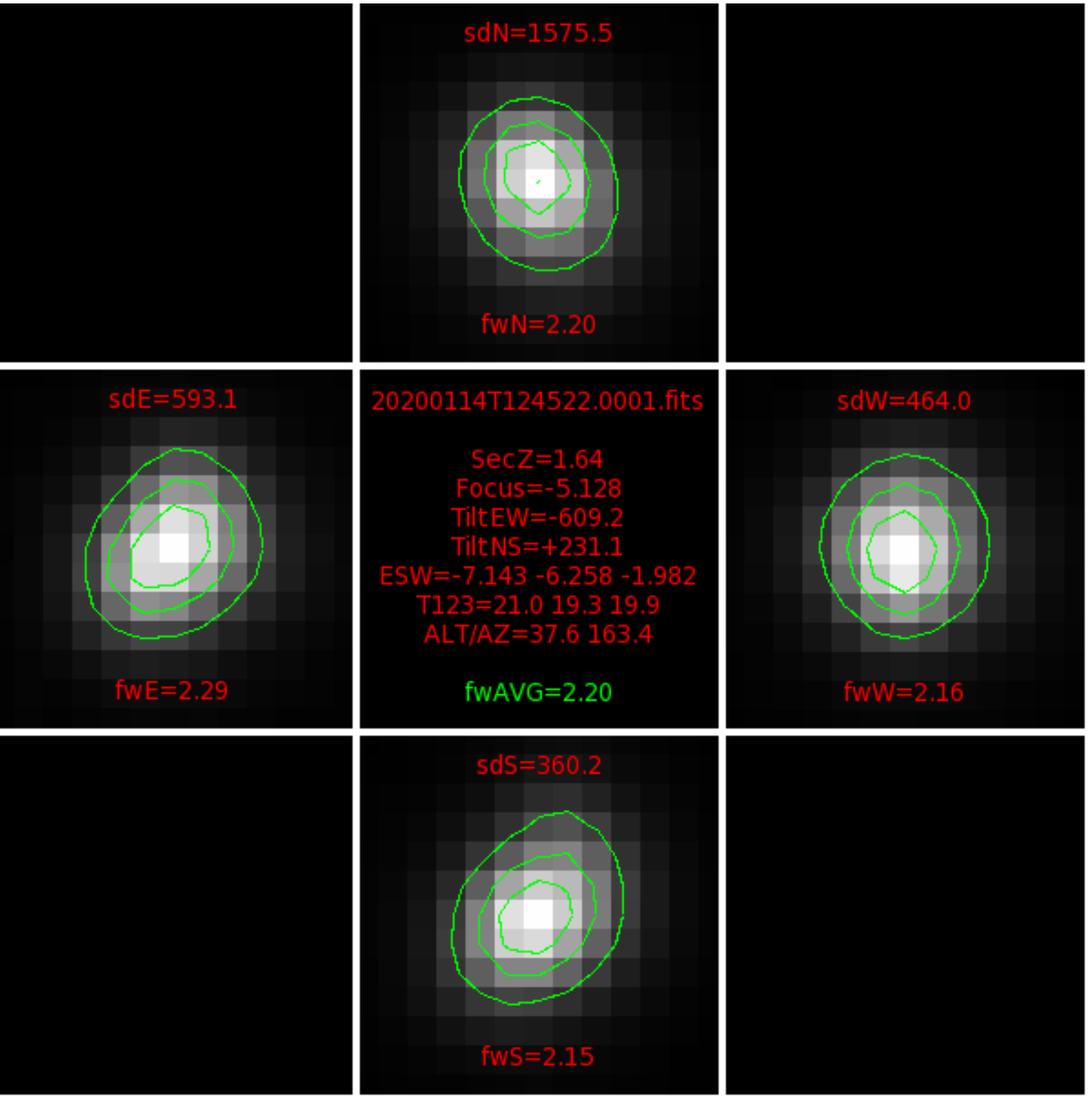
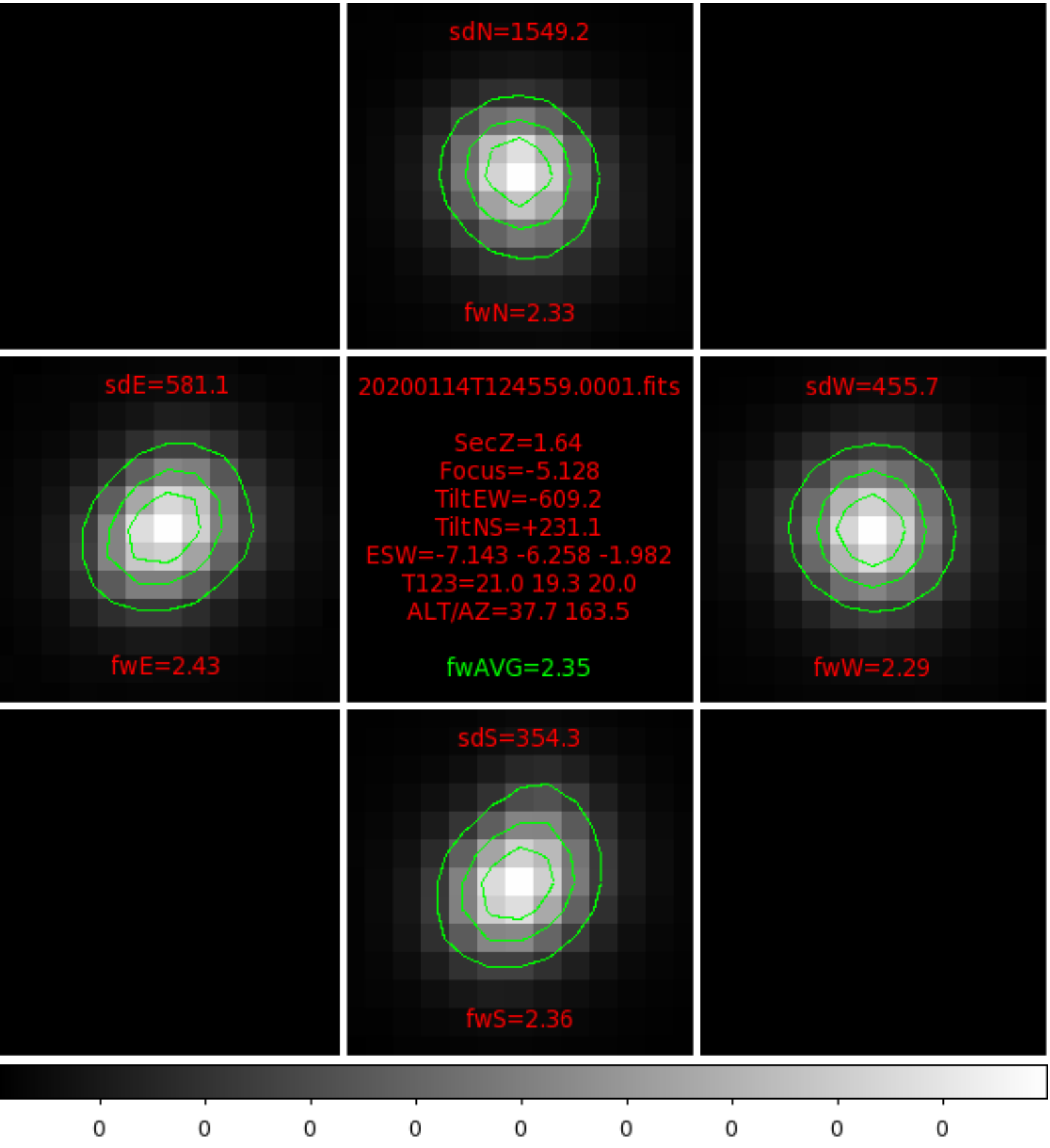

sdN=1575.5
fwN=2.20
sdE=593.1
fwE=2.29
20200114T124522.0001.fits
SecZ=1.64
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.0 19.3 19.9
ALT/AZ=37.6 163.4
fwAVG=2.20
sdW=464.0
fwW=2.16
sdS=360.2
fwS=2.15
0 0 0 0 0 0 0 0 0


sdN=1549.2
fwN=2.33
sdE=581.1
fwE=2.43
20200114T124559.0001.fits
SecZ=1.64
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.0 19.3 20.0
ALT/AZ=37.7 163.5
fwAVG=2.35
sdW=455.7
fwW=2.29
sdS=354.3
fwS=2.36
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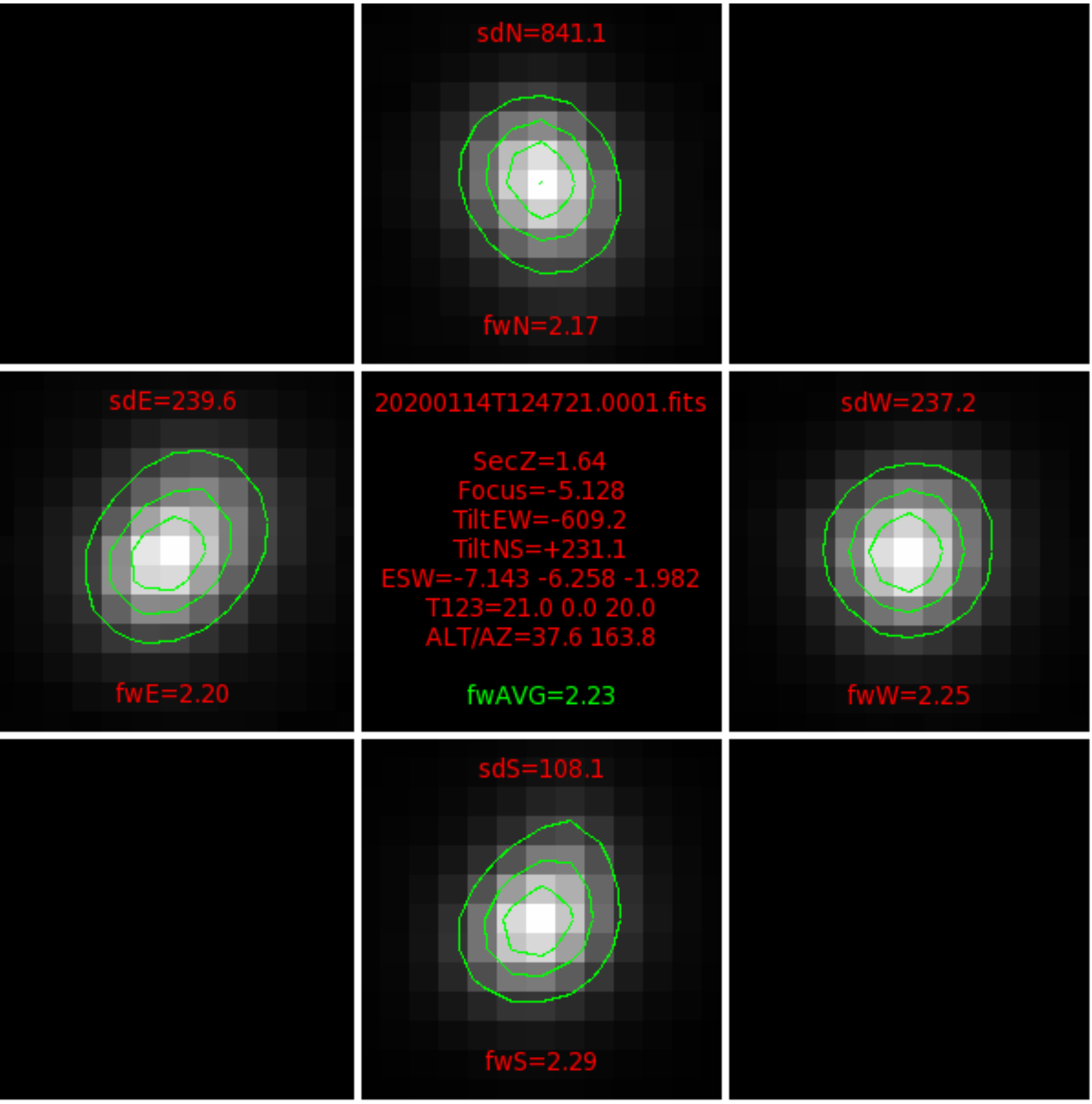
sdN=841.1
fwN=2.17
sdE=239.6
fwE=2.20
20200114T124721.0001.fits
SecZ=1.64
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.0 0.0 20.0
ALT/AZ=37.6 163.8
fwAVG=2.23
sdW=237.2
fwW=2.25
sdS=108.1
fwS=2.29
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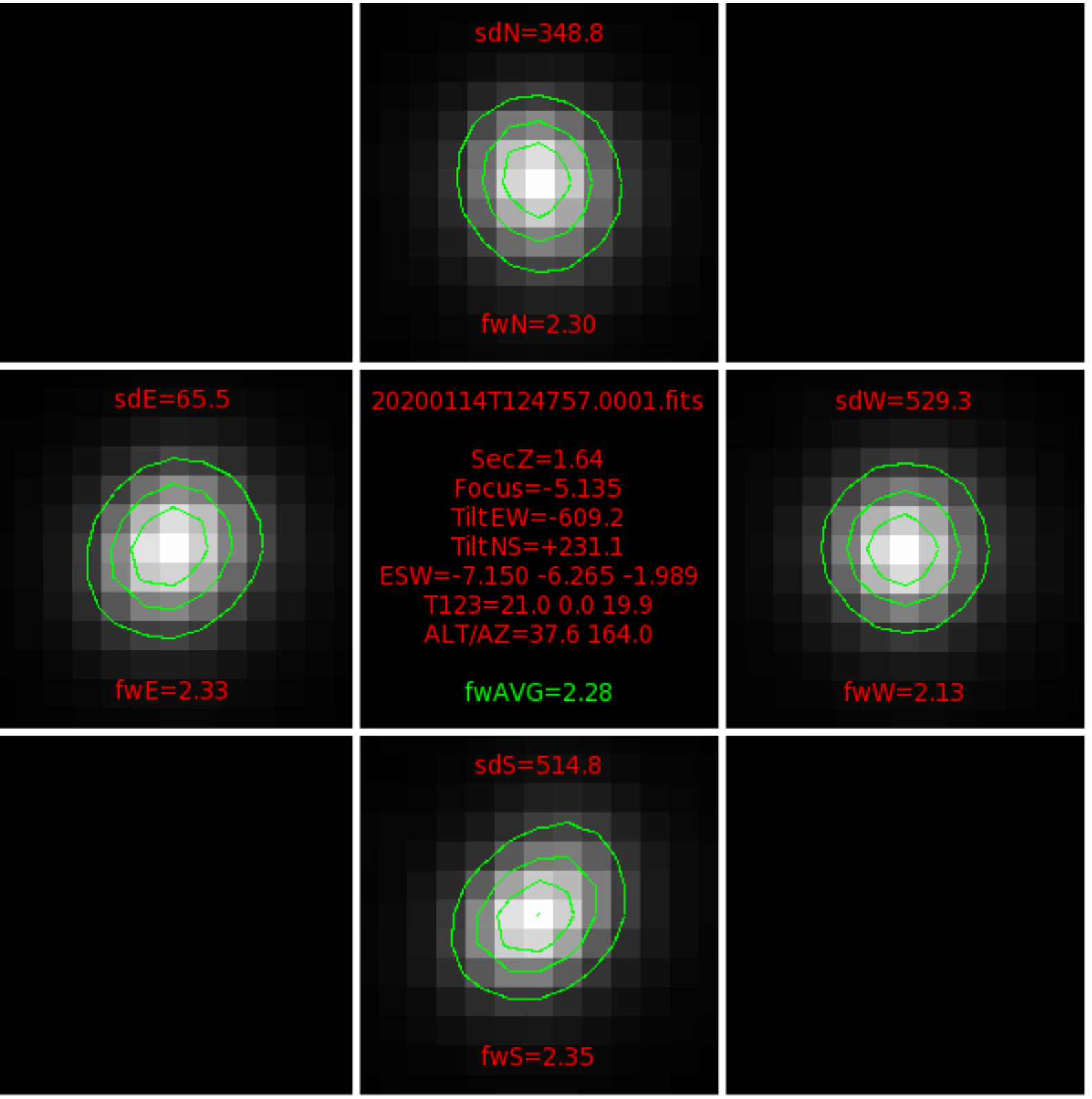
sdN=348.8
fwN=2.30
sdE=65.5
fwE=2.33
20200114T124757.0001.fits
SecZ=1.64
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=21.0 0.0 19.9
ALT/AZ=37.6 164.0
fwAVG=2.28
sdW=529.3
fwW=2.13
sdS=514.8
fwS=2.35
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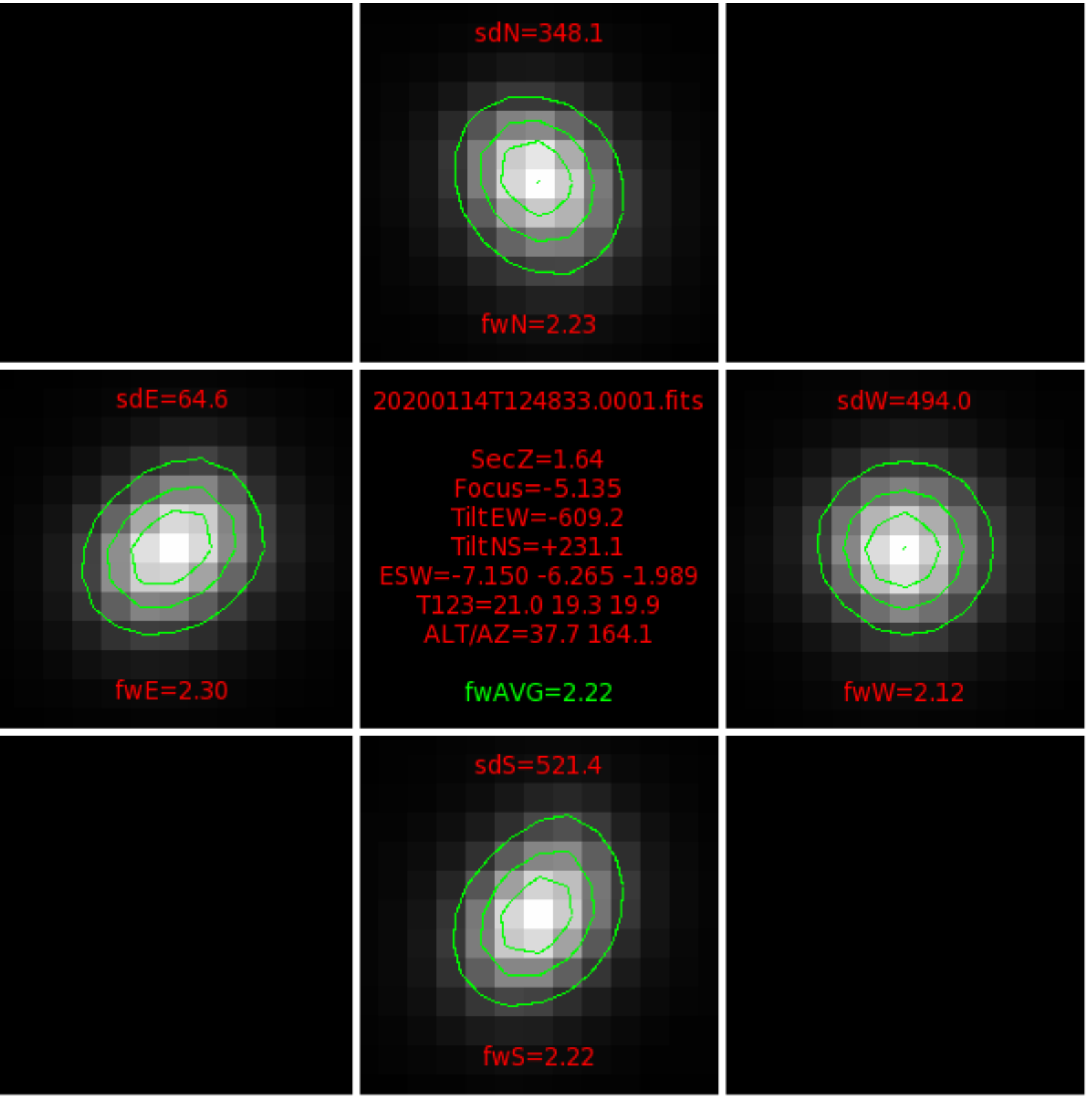
sdN=348.1
fwN=2.23
sdE=64.6
fwE=2.30
20200114T124833.0001.fits
SecZ=1.64
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=21.0 19.3 19.9
ALT/AZ=37.7 164.1
fwAVG=2.22
sdW=494.0
fwW=2.12
sdS=521.4
fwS=2.22
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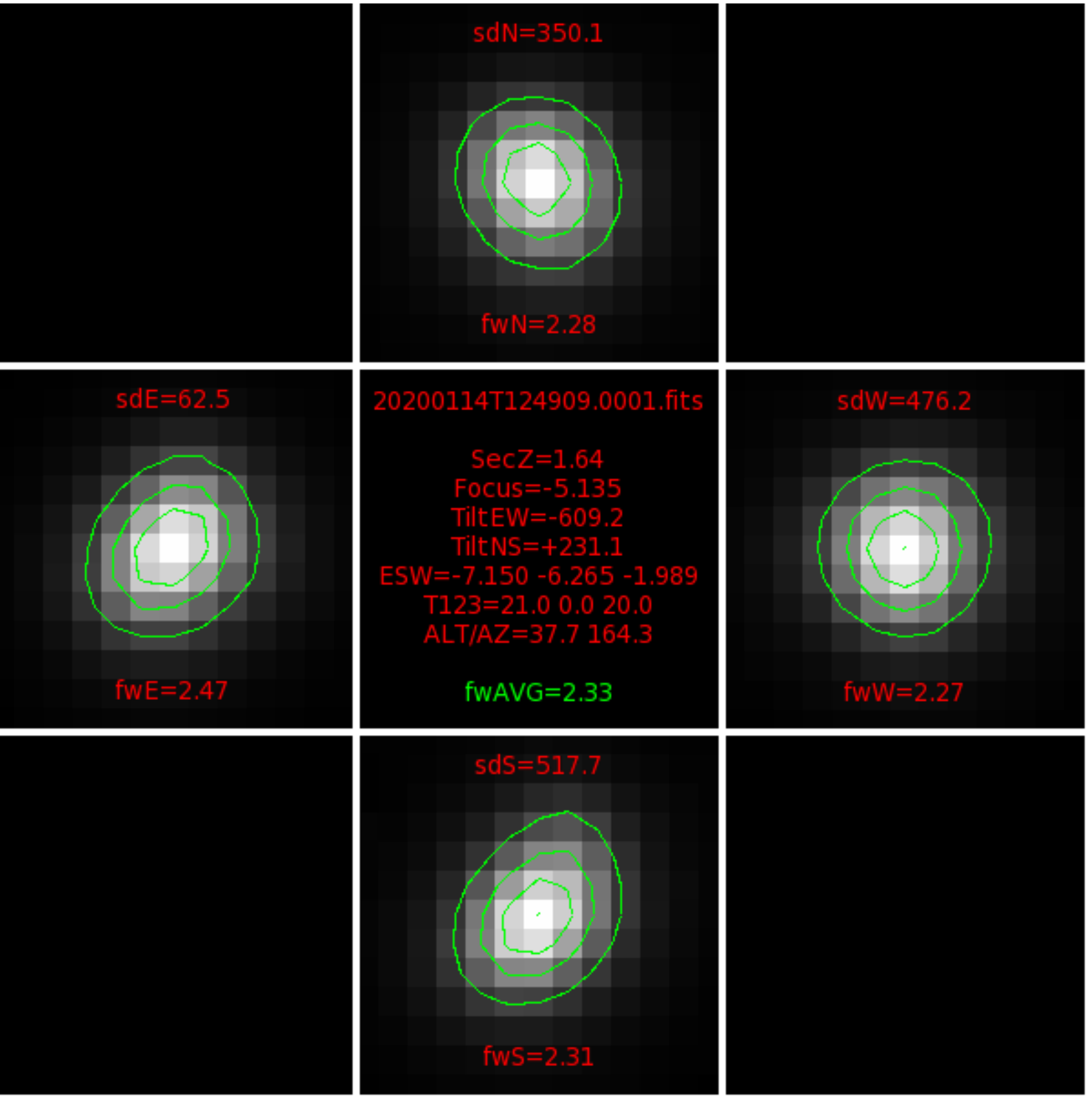
sdN=350.1
fwN=2.28
sdE=62.5
fwE=2.47
20200114T124909.0001.fits
SecZ=1.64
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=21.0 0.0 20.0
ALT/AZ=37.7 164.3
fwAVG=2.33
sdW=476.2
fwW=2.27
sdS=517.7
fwS=2.31
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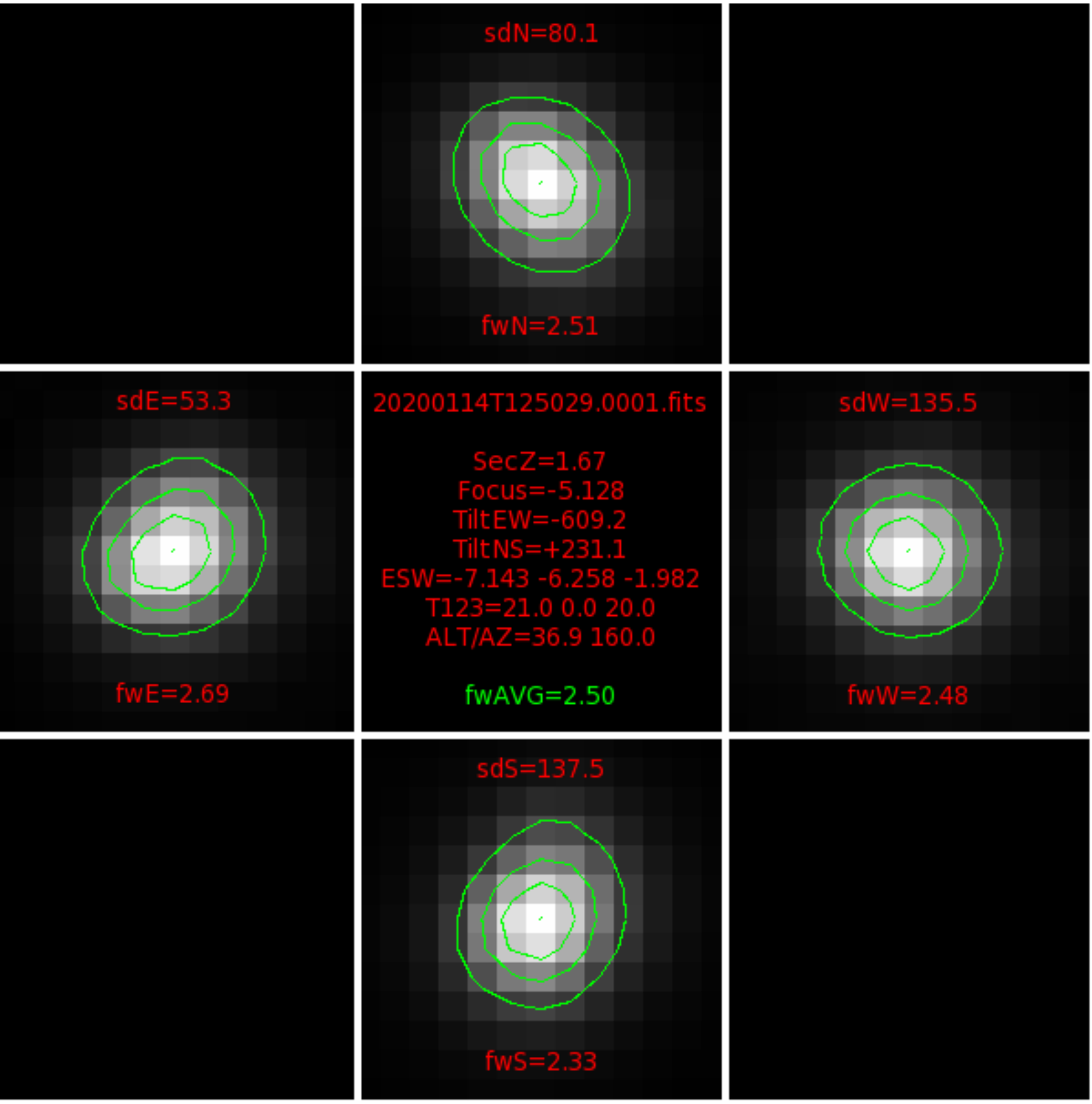
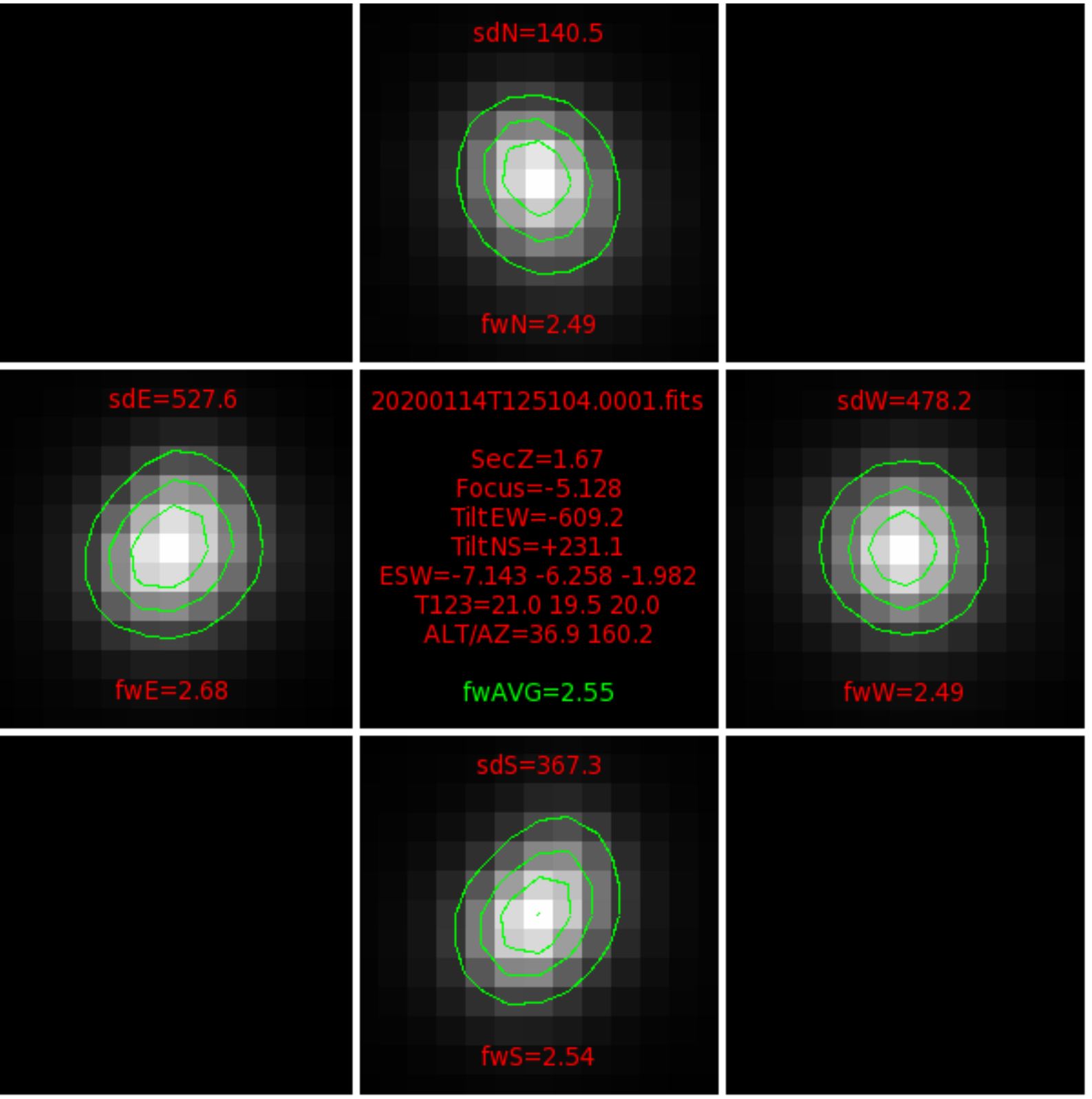
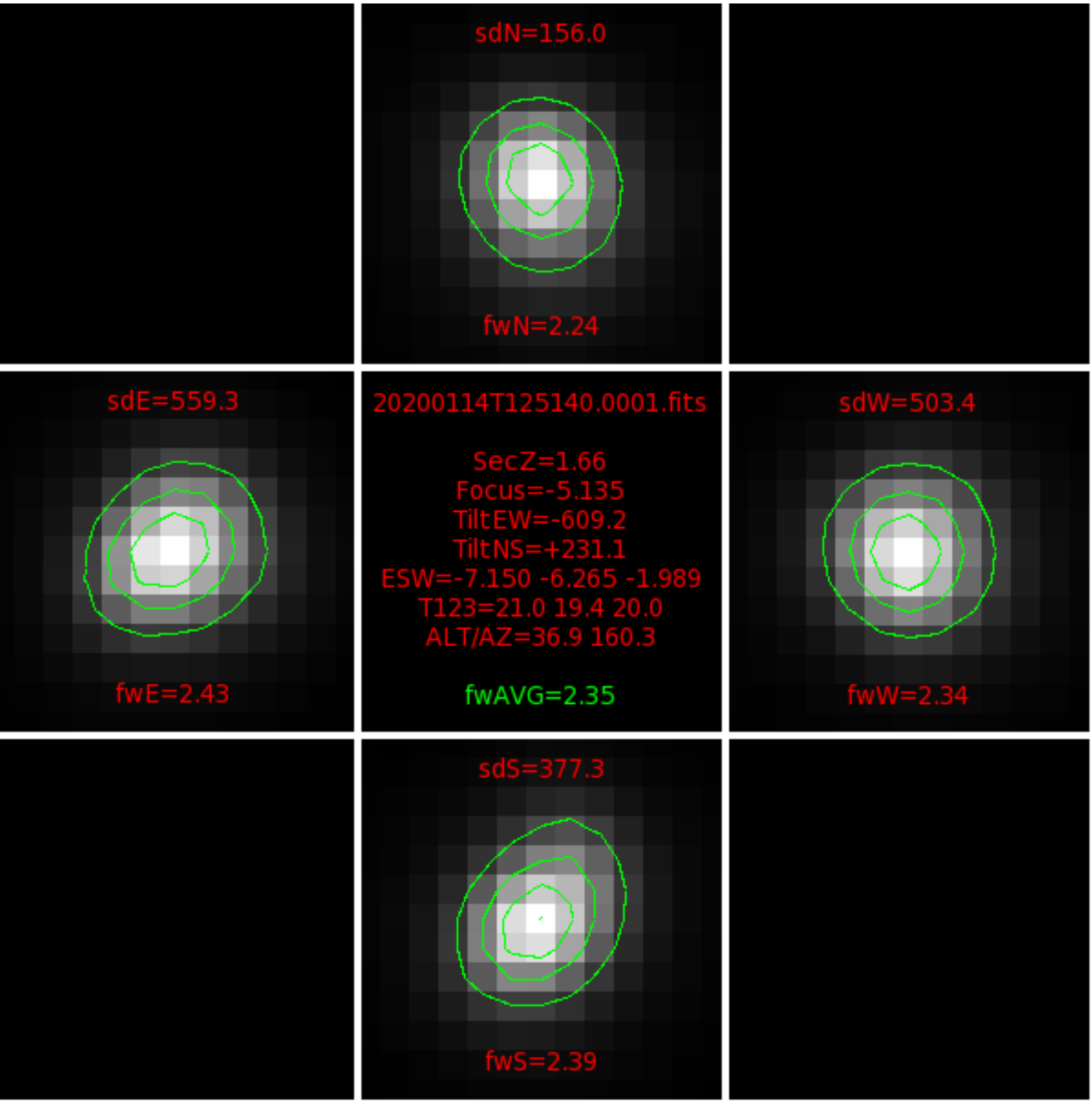
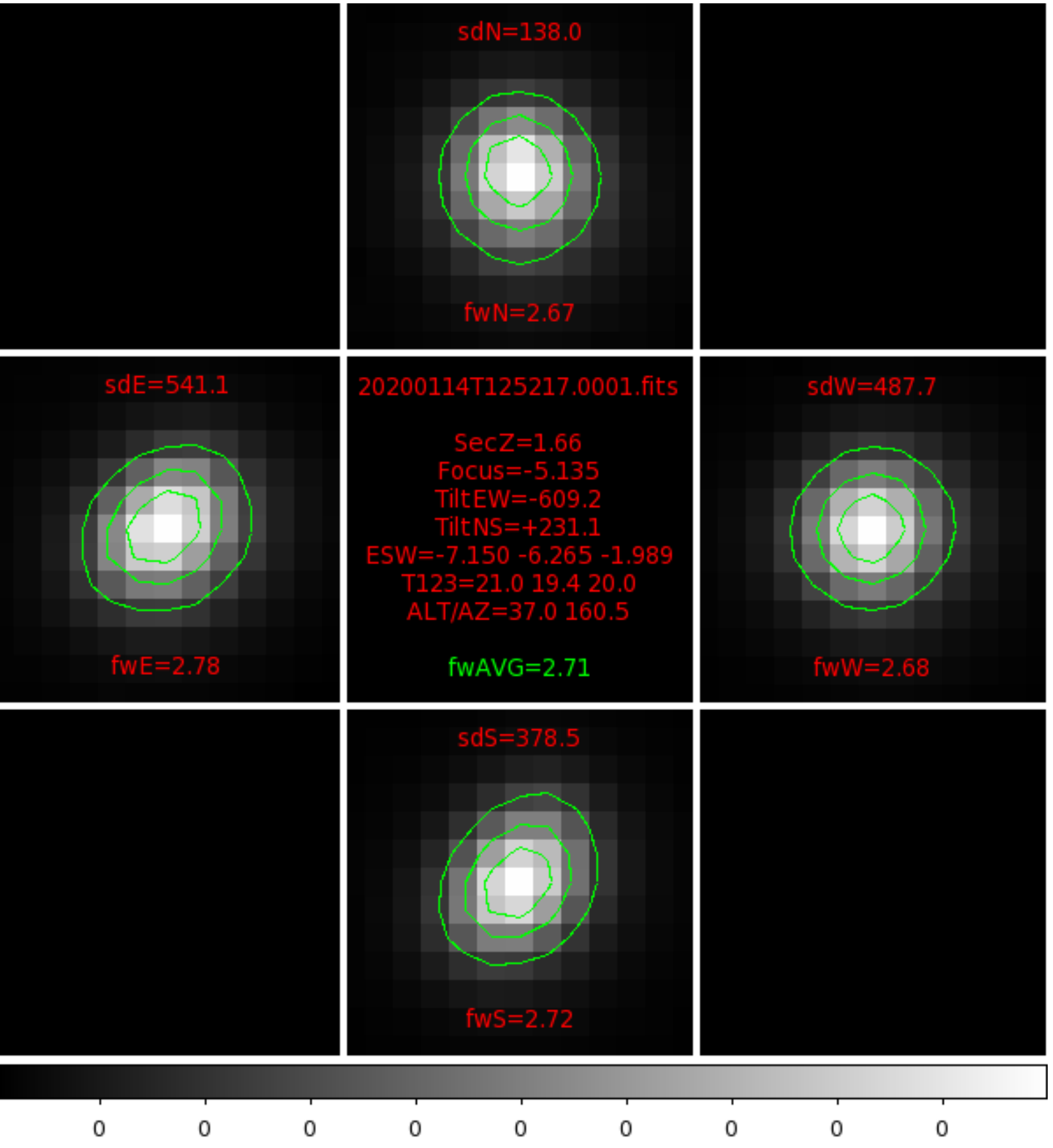

sdN=80.1
fwN=2.51
sdE=53.3
fwE=2.69
20200114T125029.0001.fits
SecZ=1.67
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.0 0.0 20.0
ALT/AZ=36.9 160.0
fwAVG=2.50
sdW=135.5
fwW=2.48
sdS=137.5
fwS=2.33
0 0 0 0 0 0 0 0 0


sdN=140.5
fwN=2.49
sdE=527.6
fwE=2.68
20200114T125104.0001.fits
SecZ=1.67
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=21.0 19.5 20.0
ALT/AZ=36.9 160.2
fwAVG=2.55
sdW=478.2
fwW=2.49
sdS=367.3
fwS=2.54
0 0 0 0 0 0 0 0 0


sdN=156.0
fwN=2.24
sdE=559.3
fwE=2.43
20200114T125140.0001.fits
SecZ=1.66
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=21.0 19.4 20.0
ALT/AZ=36.9 160.3
fwAVG=2.35
sdW=503.4
fwW=2.34
sdS=377.3
fwS=2.39
0 0 0 0 0 0 0 0 0


sdN=138.0
fwN=2.67
sdE=541.1
fwE=2.78
20200114T125217.0001.fits
SecZ=1.66
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=21.0 19.4 20.0
ALT/AZ=37.0 160.5
fwAVG=2.71
sdW=487.7
fwW=2.68
sdS=378.5
fwS=2.72
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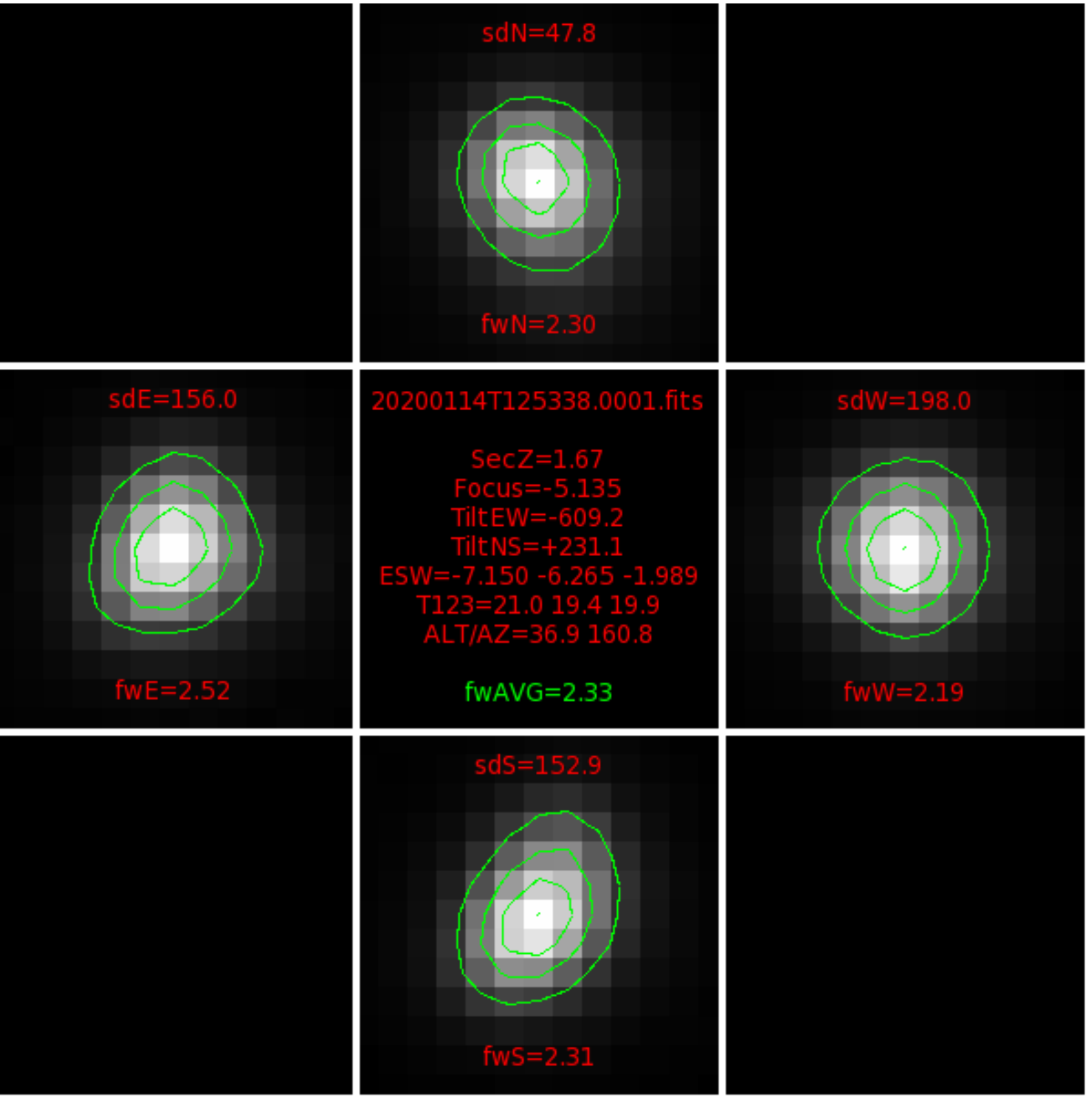
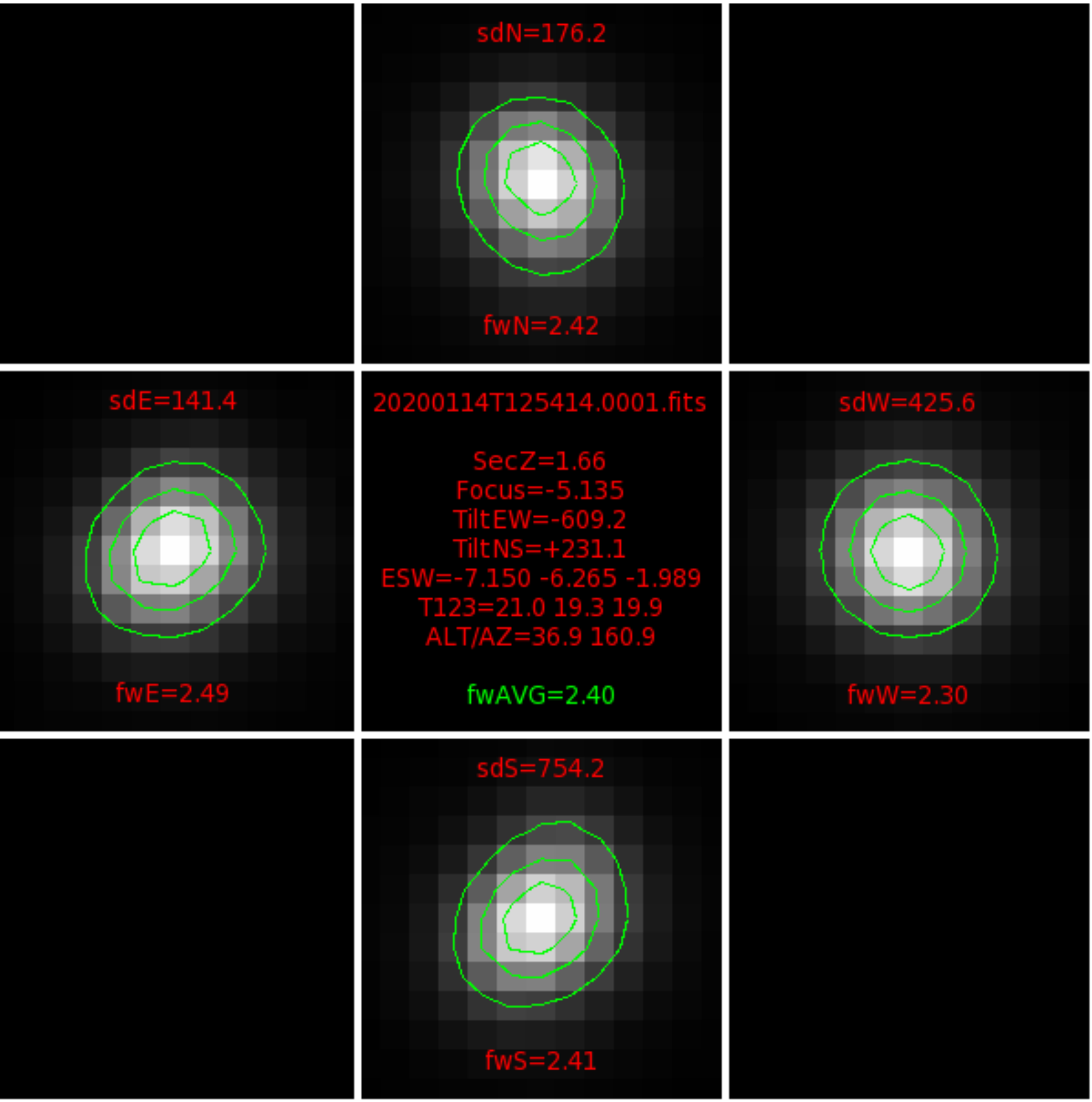

sdN=47.8
fwN=2.30
sdE=156.0
fwE=2.52
20200114T125338.0001.fits
SecZ=1.67
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=21.0 19.4 19.9
ALT/AZ=36.9 160.8
fwAVG=2.33
sdW=198.0
fwW=2.19
sdS=152.9
fwS=2.31
0 0 0 0 0 0 0 0 0


sdN=176.2
fwN=2.42
sdE=141.4
fwE=2.49
20200114T125414.0001.fits
SecZ=1.66
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=21.0 19.3 19.9
ALT/AZ=36.9 160.9
fwAVG=2.40
sdW=425.6
fwW=2.30
sdS=754.2
fwS=2.41
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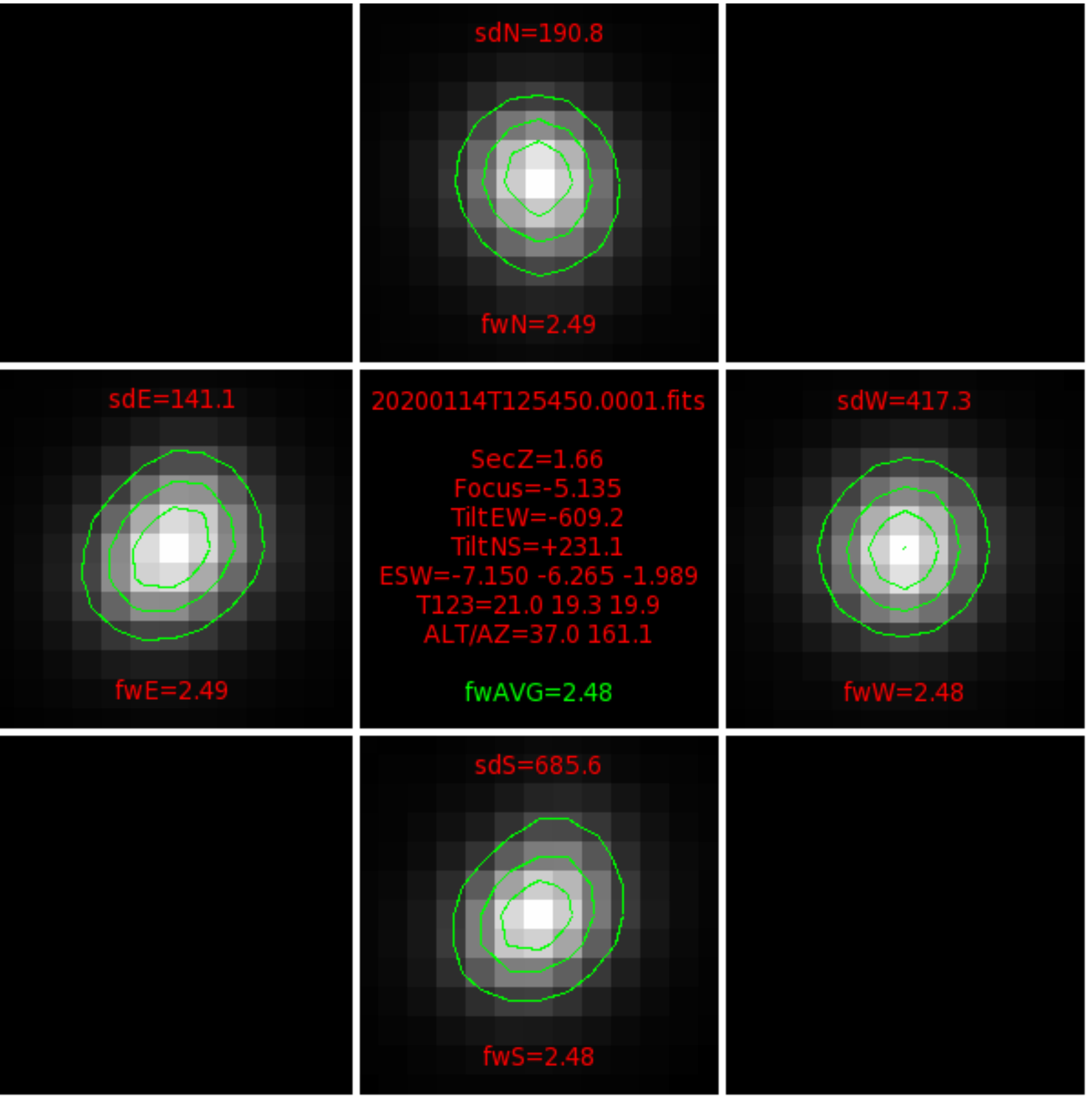
sdN=190.8
fwN=2.49
sdE=141.1
fwE=2.49
20200114T125450.0001.fits
SecZ=1.66
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=21.0 19.3 19.9
ALT/AZ=37.0 161.1
fwAVG=2.48
sdW=417.3
fwW=2.48
sdS=685.6
fwS=2.48
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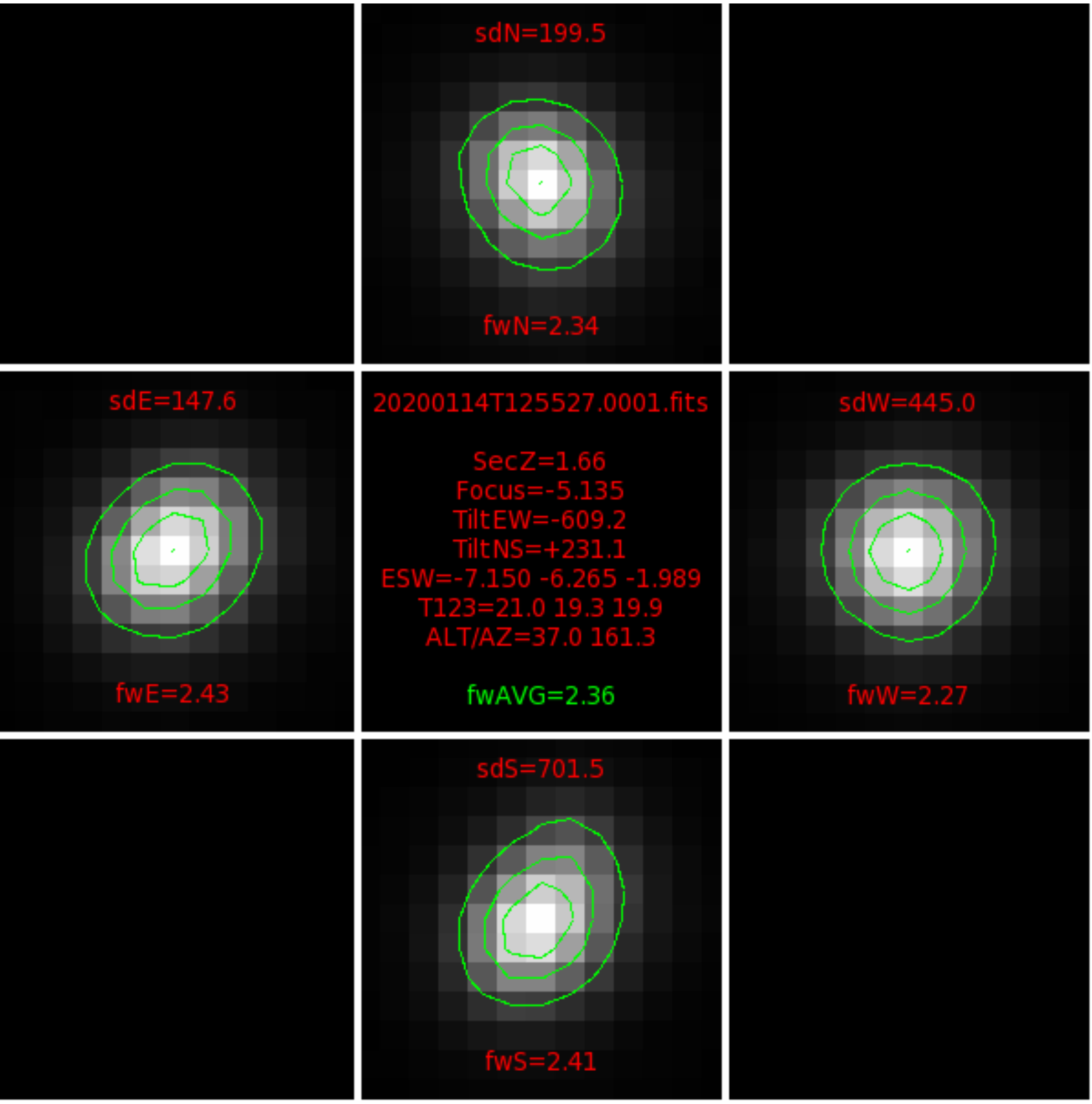
sdN=199.5
fwN=2.34
sdE=147.6
fwE=2.43
20200114T125527.0001.fits
SecZ=1.66
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=21.0 19.3 19.9
ALT/AZ=37.0 161.3
fwAVG=2.36
sdW=445.0
fwW=2.27
sdS=701.5
fwS=2.41
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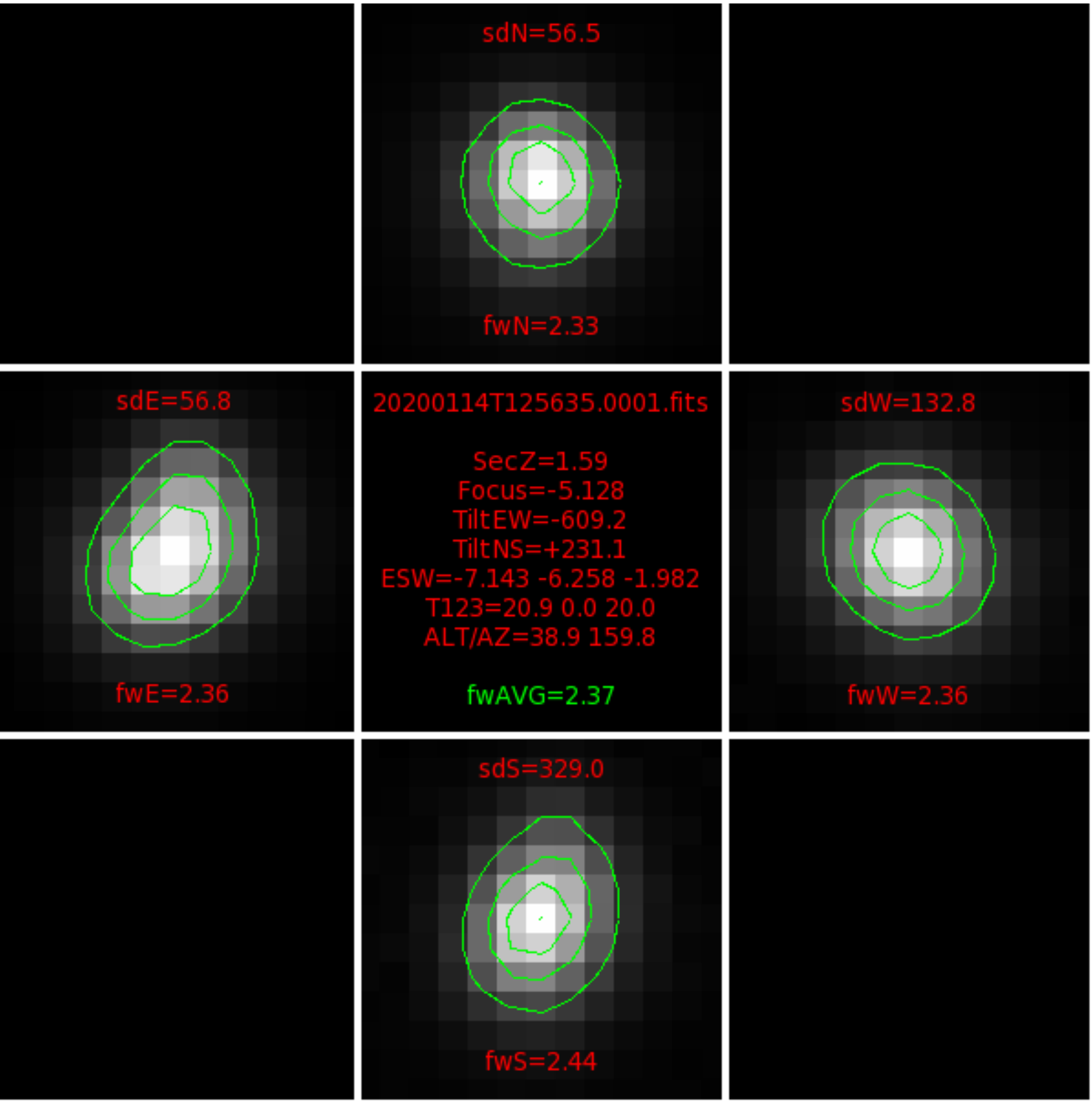
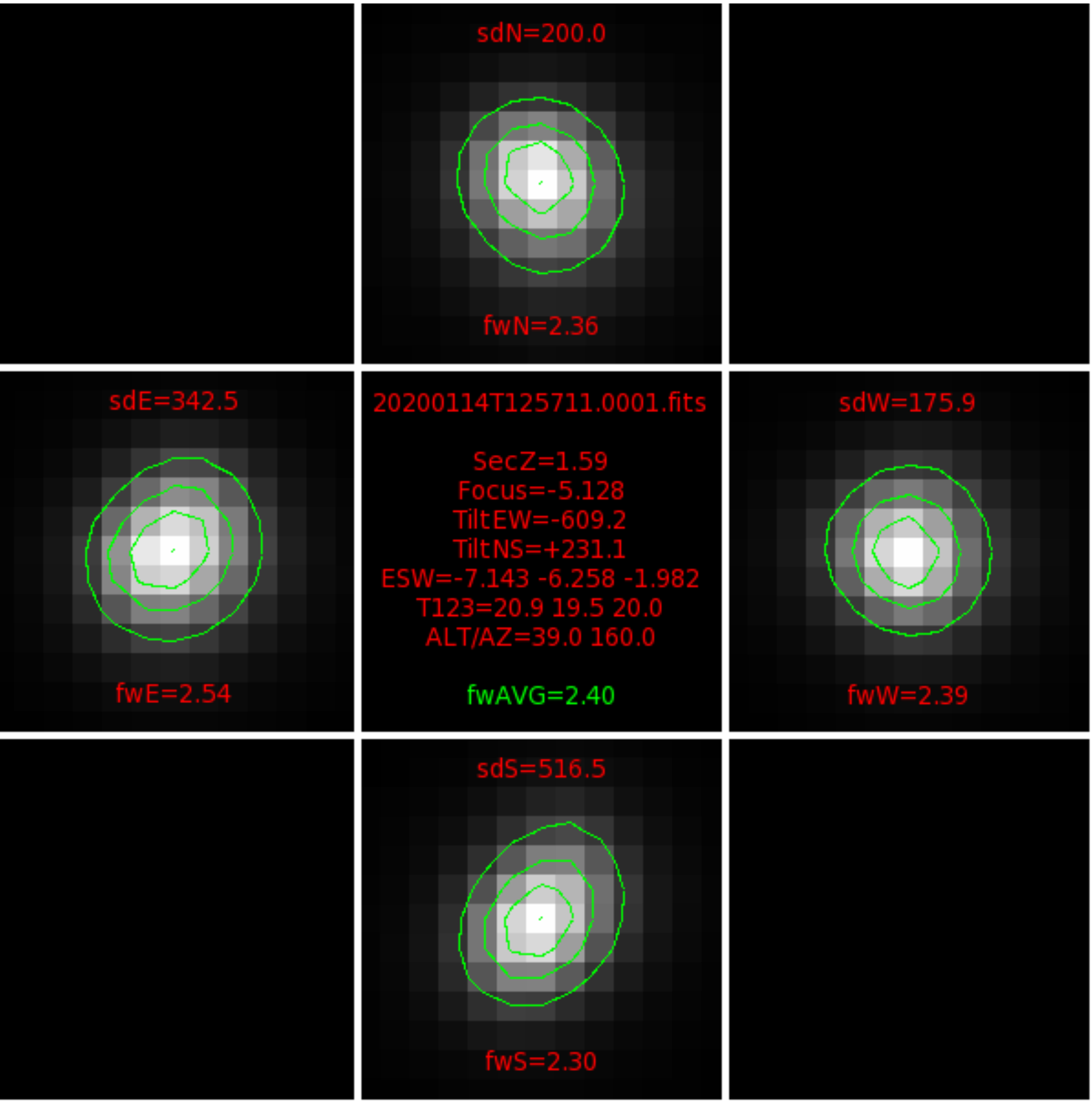
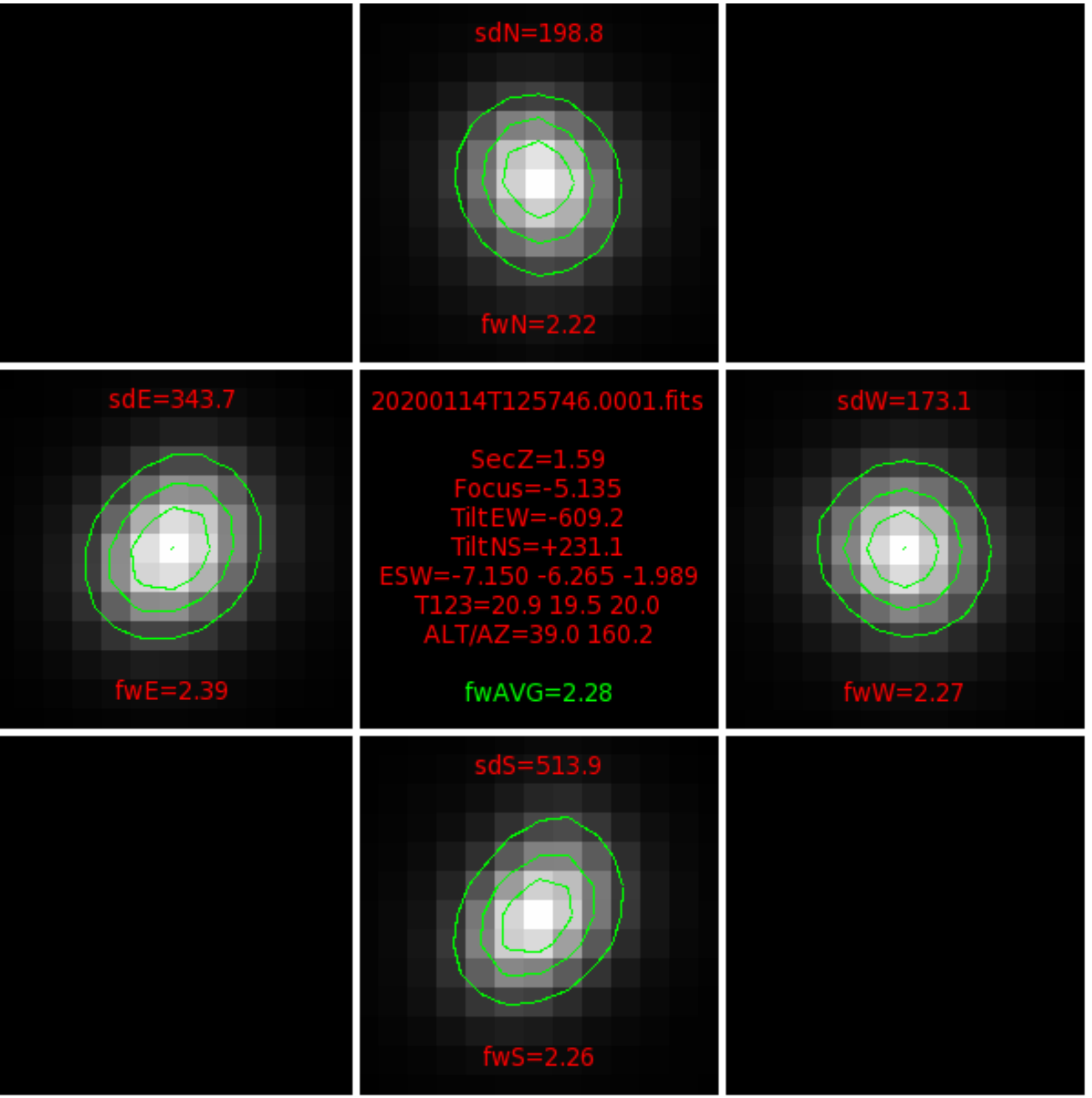

sdN=56.5
fwN=2.33
sdE=56.8
fwE=2.36
20200114T125635.0001.fits
SecZ=1.59
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.9 0.0 20.0
ALT/AZ=38.9 159.8
fwAVG=2.37
sdW=132.8
fwW=2.36
sdS=329.0
fwS=2.44
0 0 0 0 0 0 0 0 0


sdN=200.0
fwN=2.36
sdE=342.5
fwE=2.54
20200114T125711.0001.fits
SecZ=1.59
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.9 19.5 20.0
ALT/AZ=39.0 160.0
fwAVG=2.40
sdW=175.9
fwW=2.39
sdS=516.5
fwS=2.30
0 0 0 0 0 0 0 0 0


sdN=198.8
fwN=2.22
sdE=343.7
fwE=2.39
20200114T125746.0001.fits
SecZ=1.59
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=20.9 19.5 20.0
ALT/AZ=39.0 160.2
fwAVG=2.28
sdW=173.1
fwW=2.27
sdS=513.9
fwS=2.26
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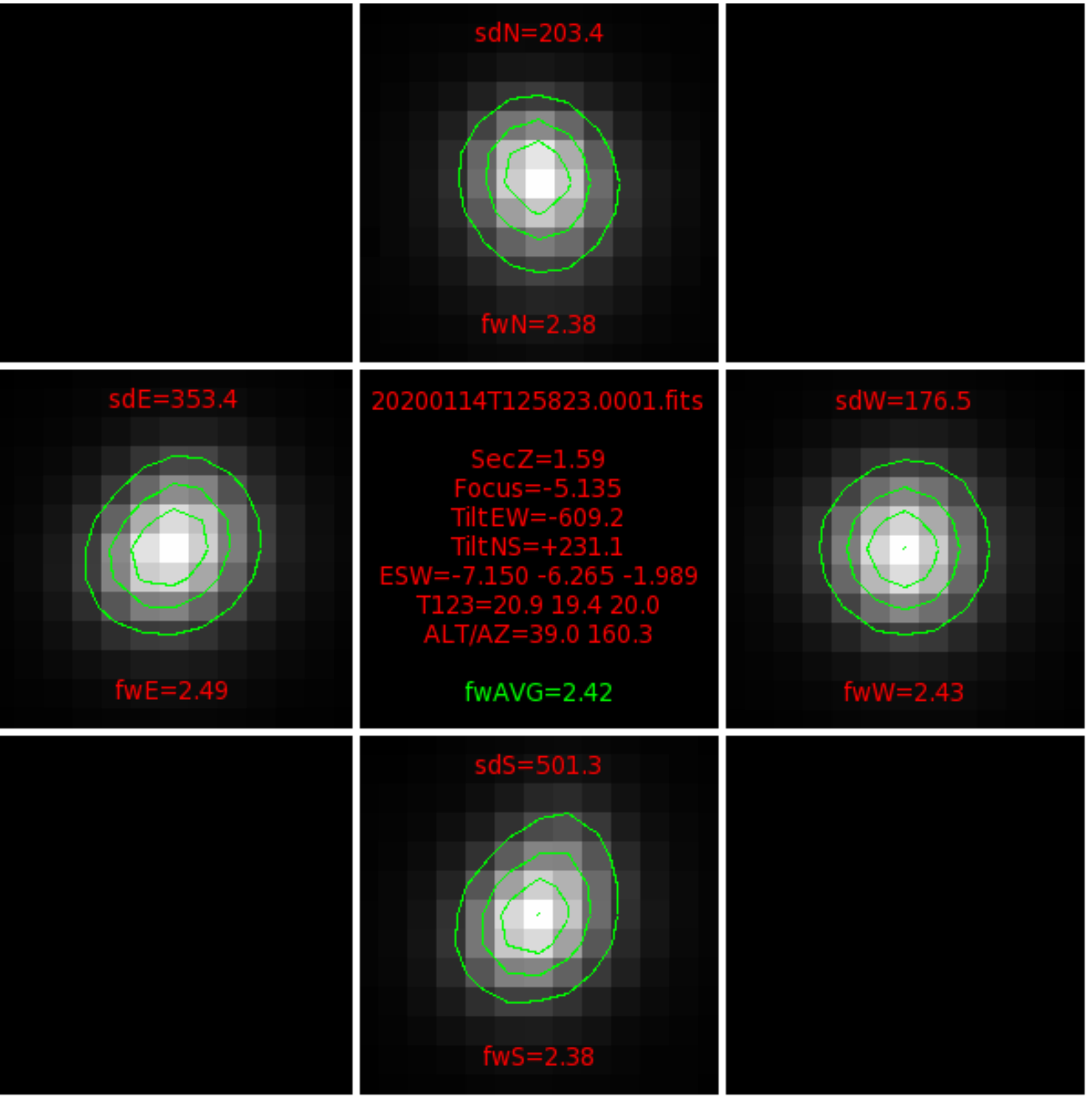
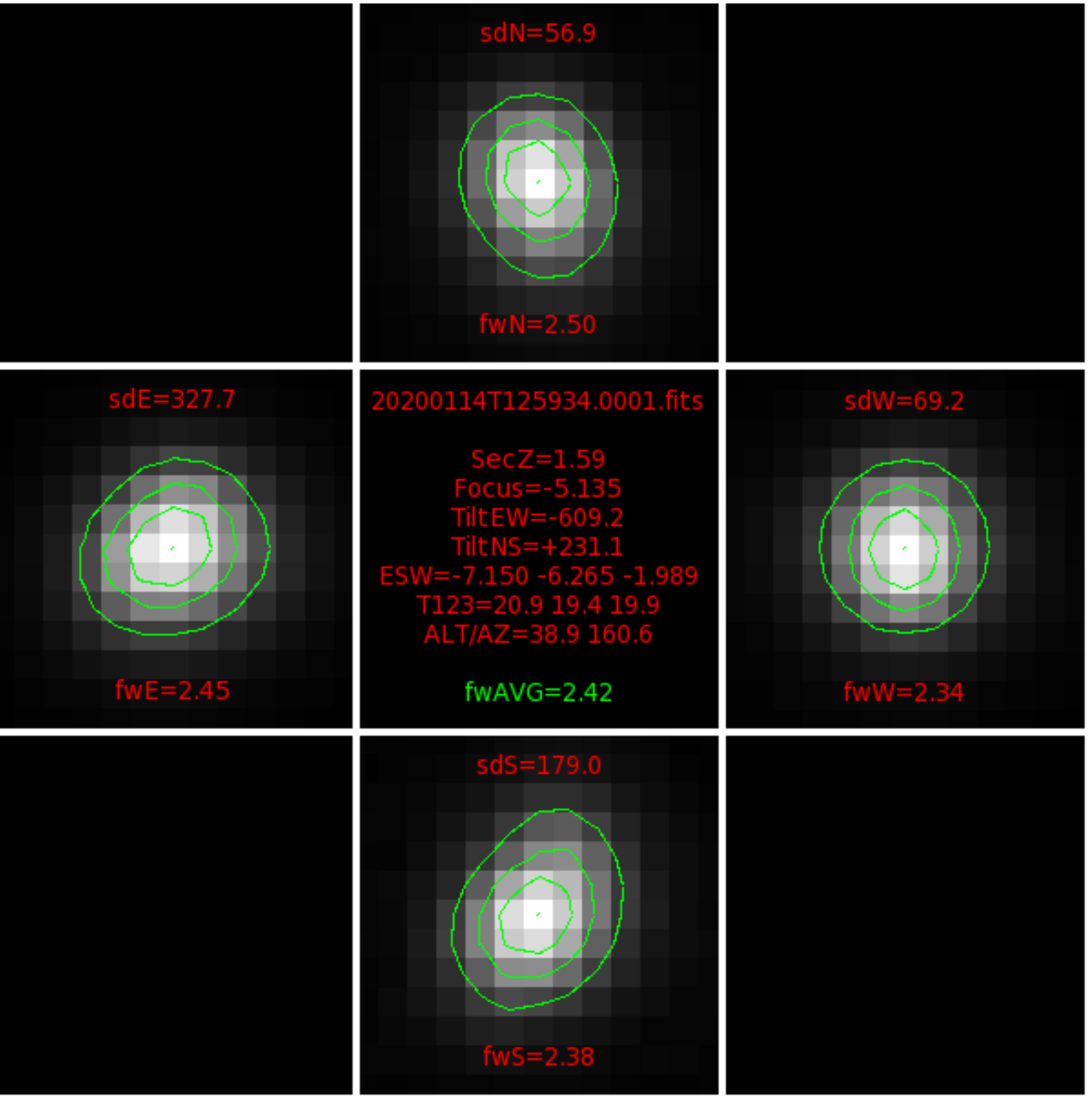

sdN=203.4
fwN=2.38
sdE=353.4
fwE=2.49
20200114T125823.0001.fits
SecZ=1.59
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=20.9 19.4 20.0
ALT/AZ=39.0 160.3
fwAVG=2.42
sdW=176.5
fwW=2.43
sdS=501.3
fwS=2.38
0 0 0 0 0 0 0 0 0


sdN=56.9
fwN=2.50
sdE=327.7
fwE=2.45
20200114T125934.0001.fits
SecZ=1.59
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=20.9 19.4 19.9
ALT/AZ=38.9 160.6
fwAVG=2.42
sdW=69.2
fwW=2.34
sdS=179.0
fwS=2.38
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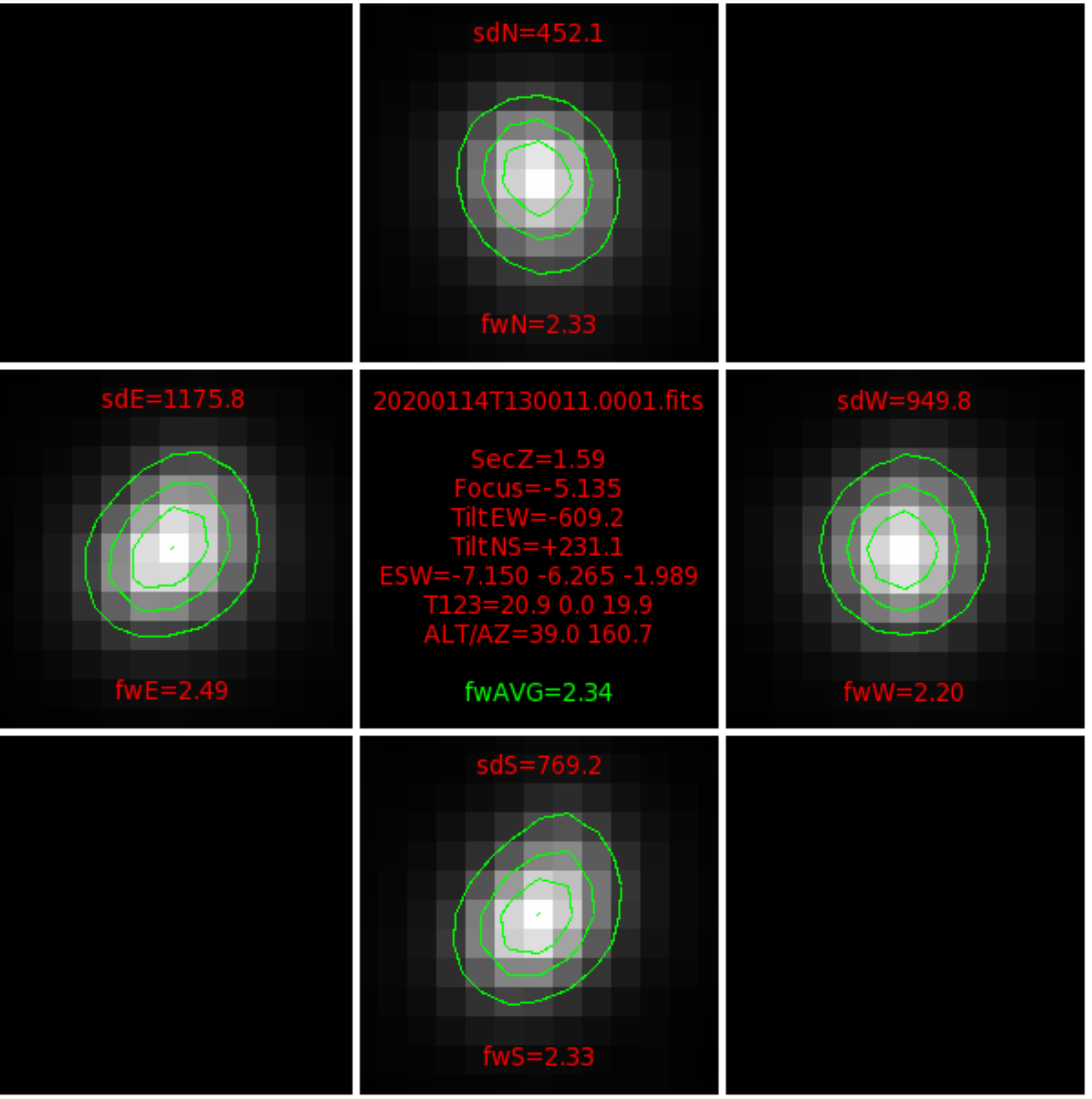
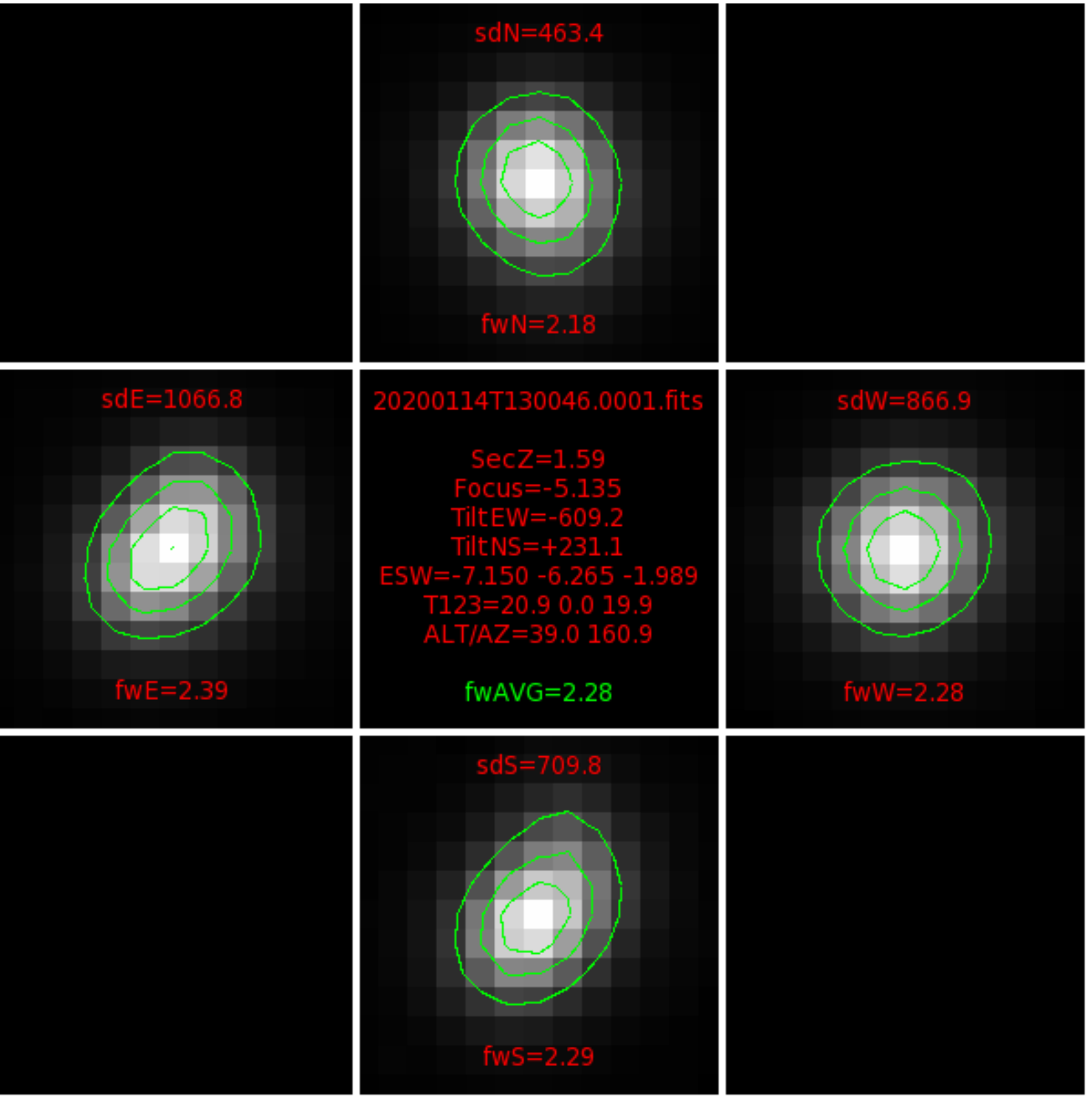
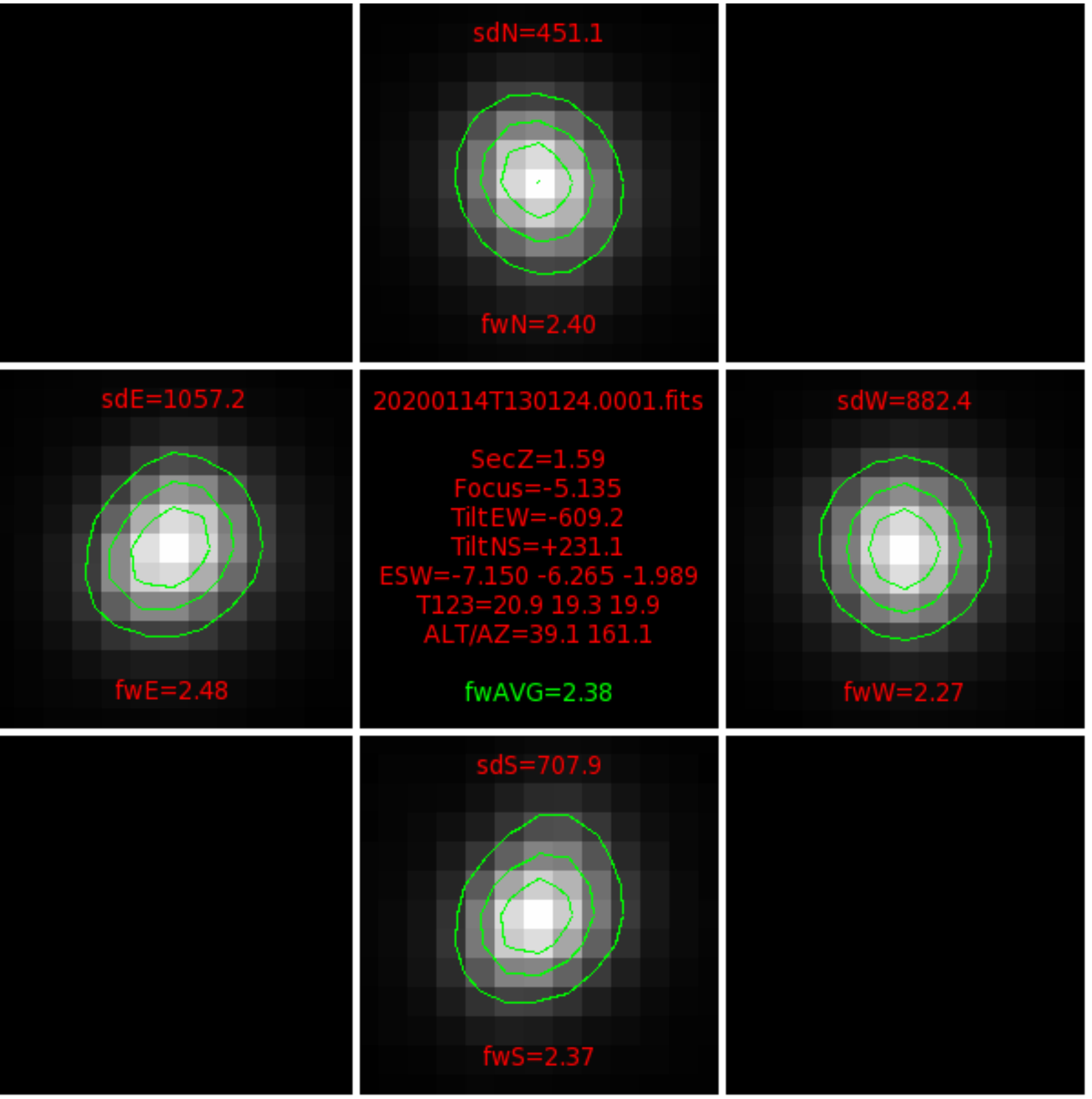

sdN=452.1
fwN=2.33
sdE=1175.8
fwE=2.49
20200114T130011.0001.fits
SecZ=1.59
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=20.9 0.0 19.9
ALT/AZ=39.0 160.7
fwAVG=2.34
sdW=949.8
fwW=2.20
sdS=769.2
fwS=2.33
0 0 0 0 0 0 0 0 0


sdN=463.4
fwN=2.18
sdE=1066.8
fwE=2.39
20200114T130046.0001.fits
SecZ=1.59
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=20.9 0.0 19.9
ALT/AZ=39.0 160.9
fwAVG=2.28
sdW=866.9
fwW=2.28
sdS=709.8
fwS=2.29
0 0 0 0 0 0 0 0 0


sdN=451.1
fwN=2.40
sdE=1057.2
fwE=2.48
20200114T130124.0001.fits
SecZ=1.59
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=20.9 19.3 19.9
ALT/AZ=39.1 161.1
fwAVG=2.38
sdW=882.4
fwW=2.27
sdS=707.9
fwS=2.37
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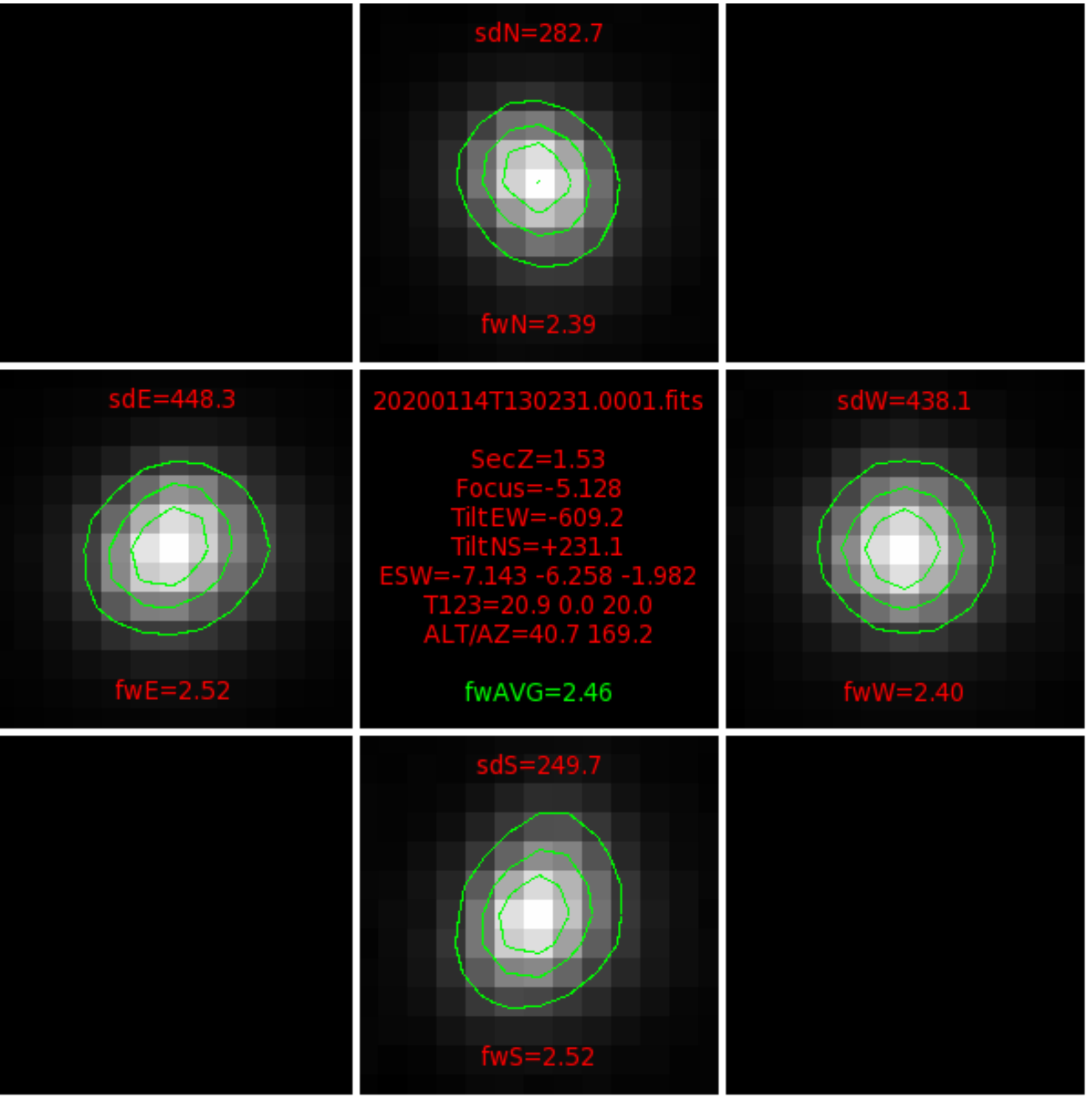
sdN=282.7
fwN=2.39
sdE=448.3
fwE=2.52
20200114T130231.0001.fits
SecZ=1.53
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.9 0.0 20.0
ALT/AZ=40.7 169.2
fwAVG=2.46
sdW=438.1
fwW=2.40
sdS=249.7
fwS=2.52
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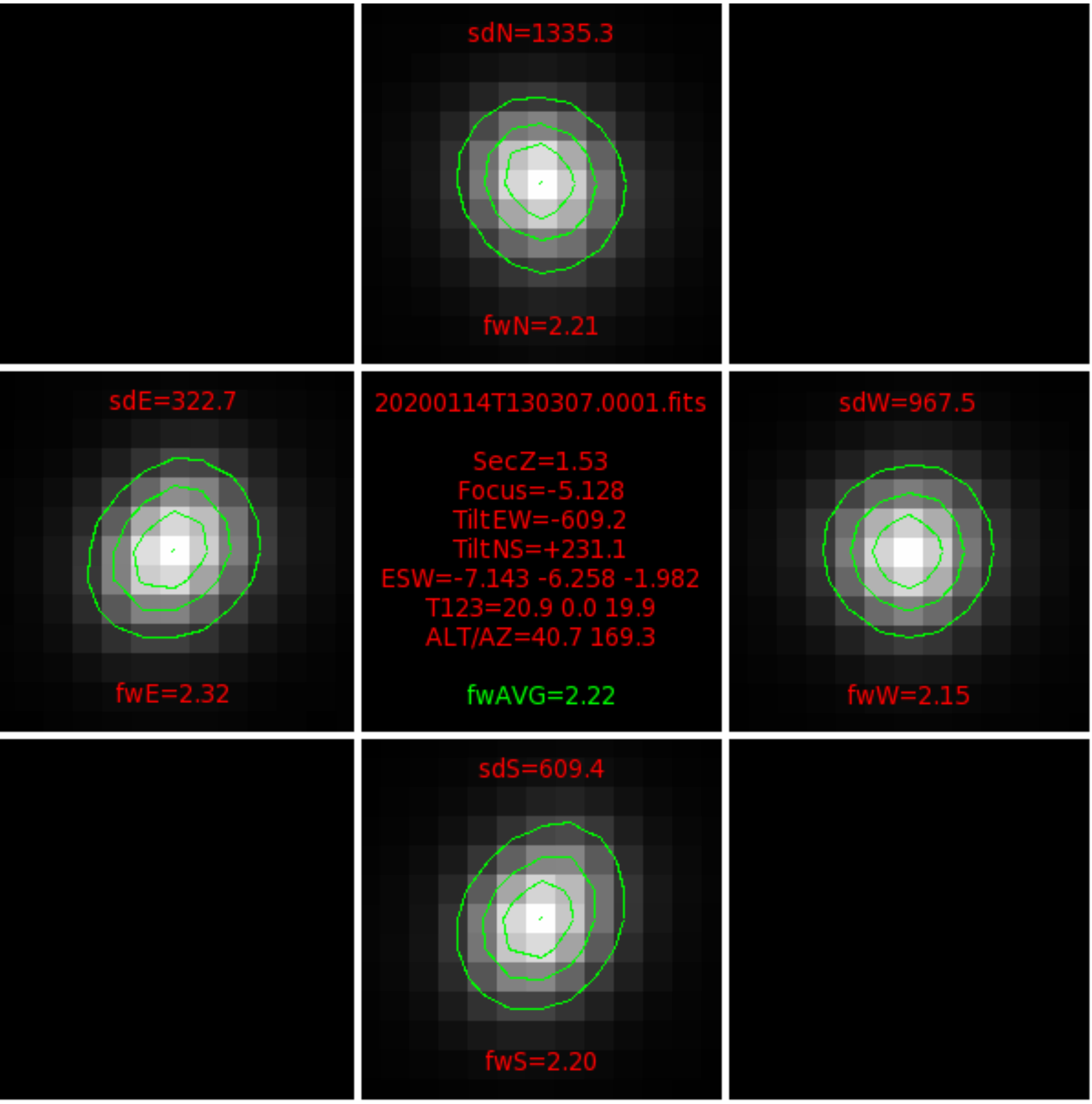
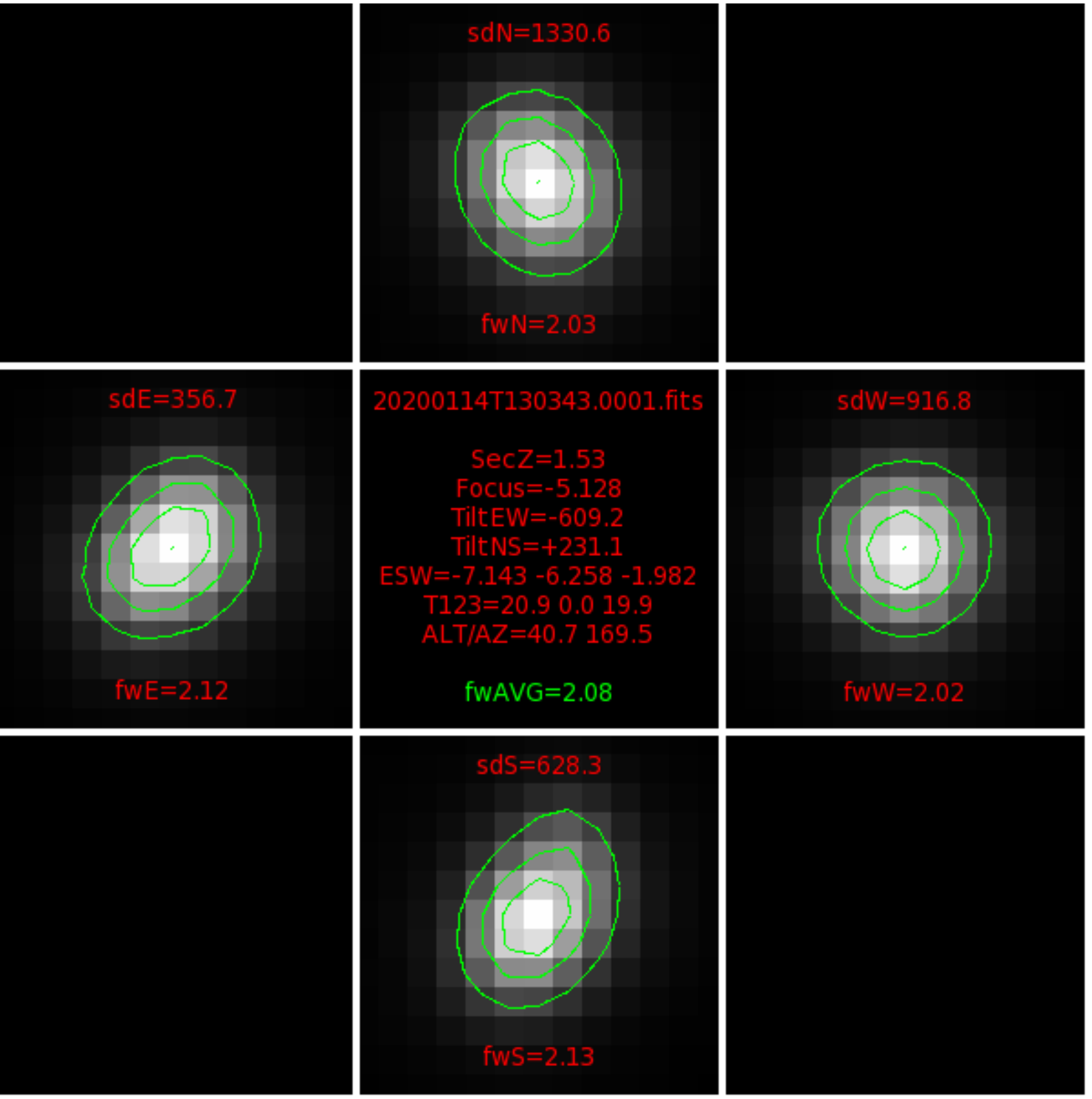
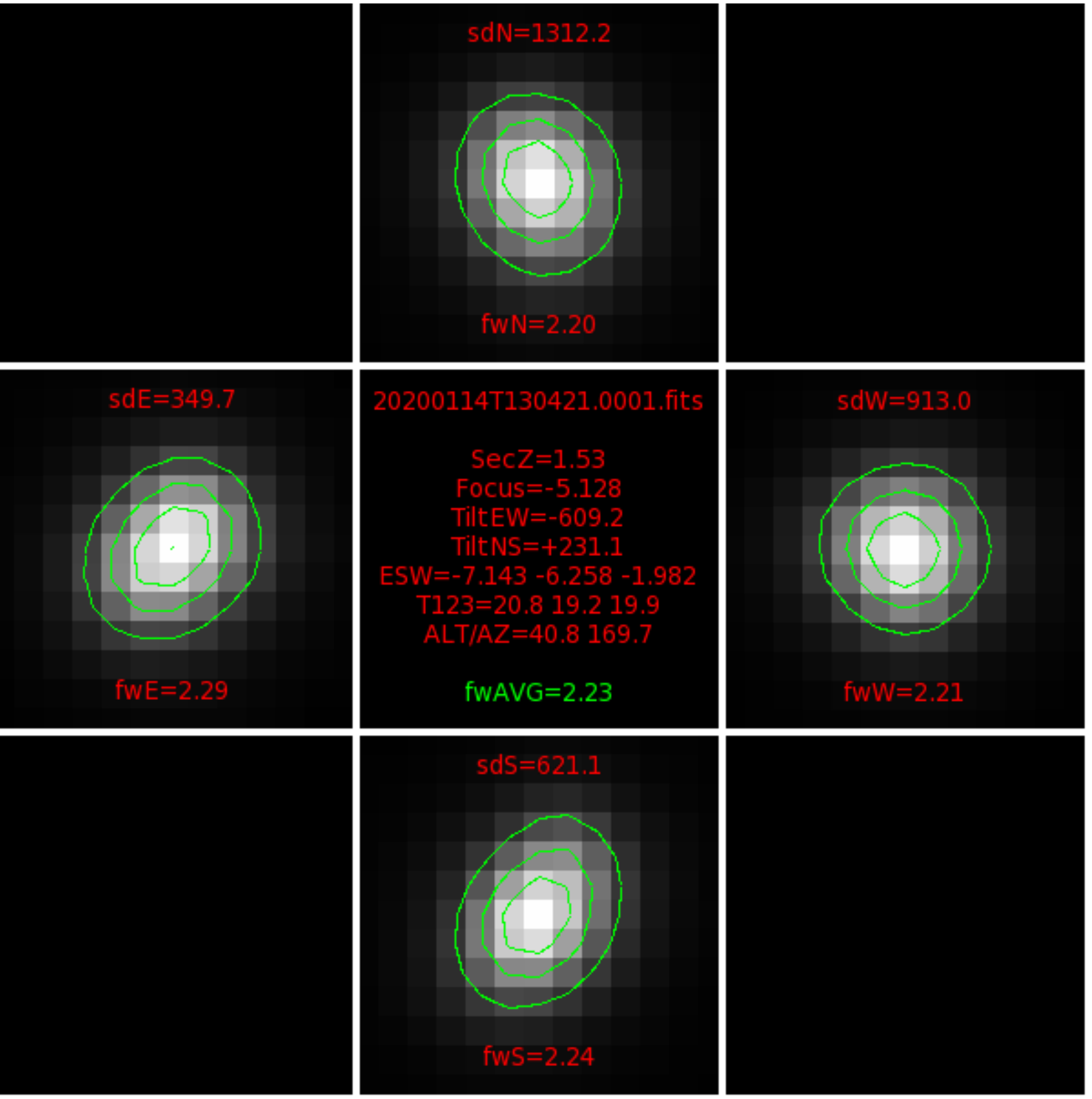

sdN=1335.3
fwN=2.21
sdE=322.7
fwE=2.32
20200114T130307.0001.fits
SecZ=1.53
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.9 0.0 19.9
ALT/AZ=40.7 169.3
fwAVG=2.22
sdW=967.5
fwW=2.15
sdS=609.4
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=1330.6
fwN=2.03
sdE=356.7
fwE=2.12
20200114T130343.0001.fits
SecZ=1.53
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.9 0.0 19.9
ALT/AZ=40.7 169.5
fwAVG=2.08
sdW=916.8
fwW=2.02
sdS=628.3
fwS=2.13
0 0 0 0 0 0 0 0 0


sdN=1312.2
fwN=2.20
sdE=349.7
fwE=2.29
20200114T130421.0001.fits
SecZ=1.53
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.8 19.2 19.9
ALT/AZ=40.8 169.7
fwAVG=2.23
sdW=913.0
fwW=2.21
sdS=621.1
fwS=2.24
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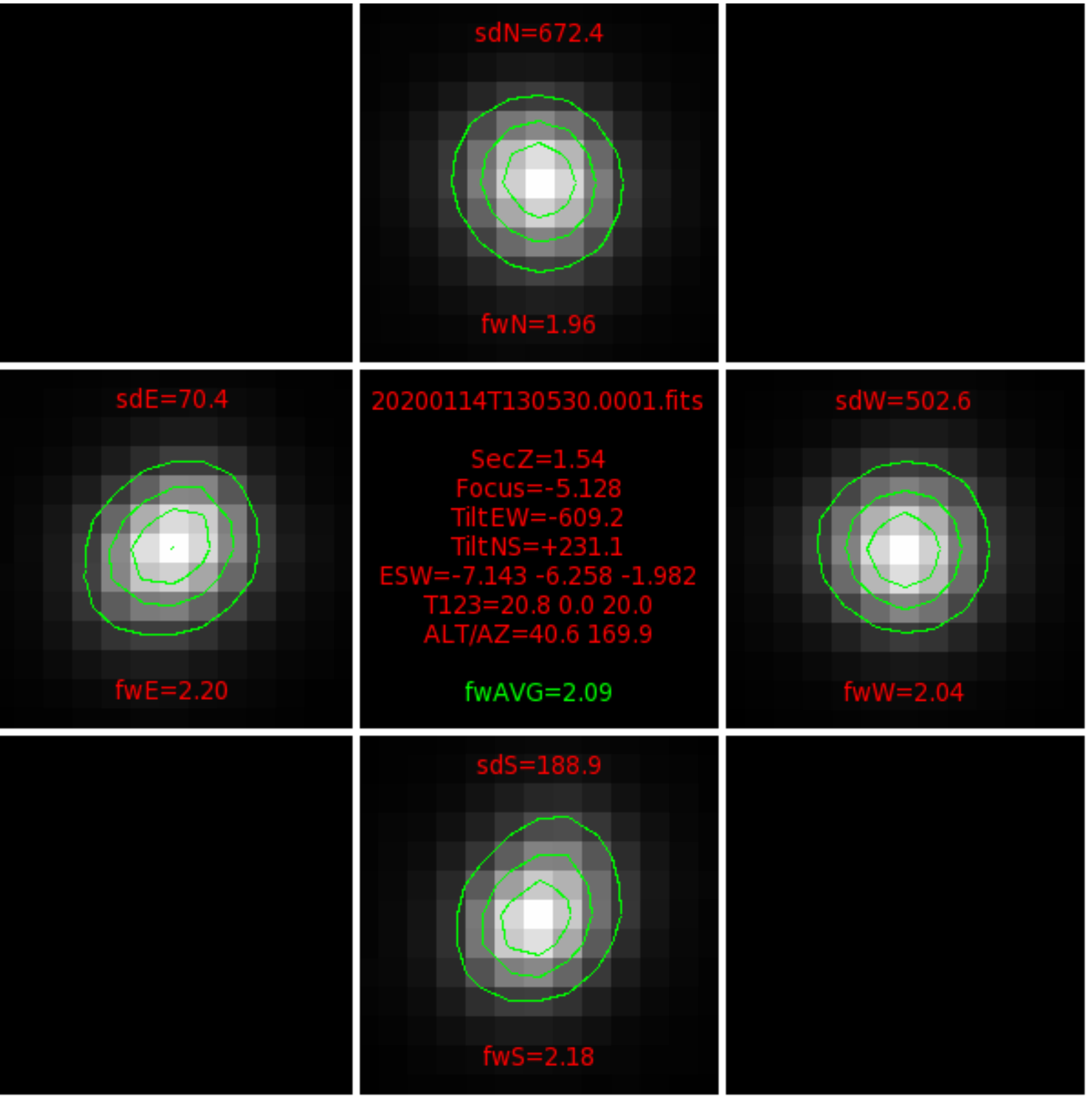
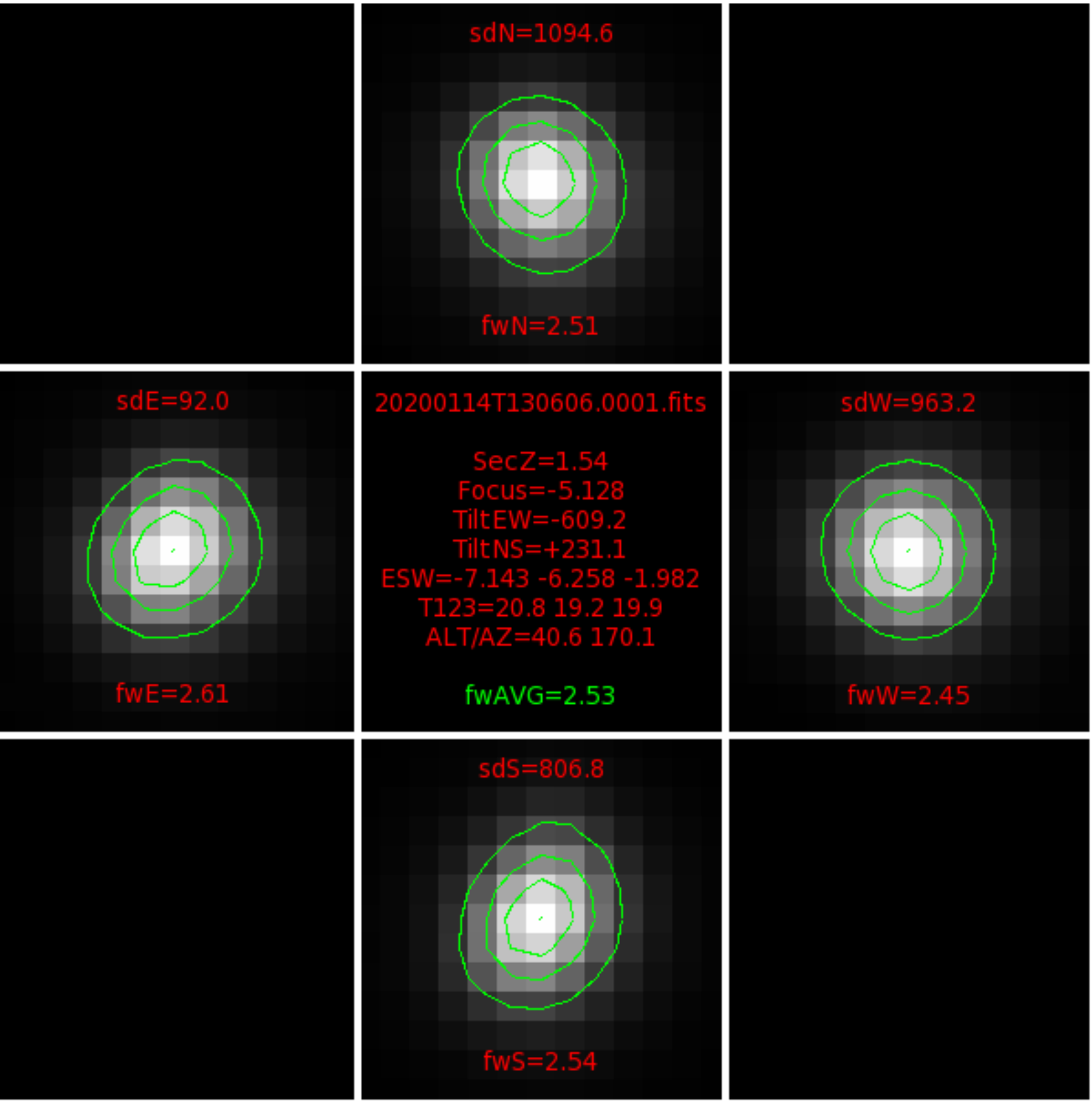

sdN=672.4
fwN=1.96
sdE=70.4
fwE=2.20
20200114T130530.0001.fits
SecZ=1.54
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.8 0.0 20.0
ALT/AZ=40.6 169.9
fwAVG=2.09
sdW=502.6
fwW=2.04
sdS=188.9
fwS=2.18
0 0 0 0 0 0 0 0 0


sdN=1094.6
fwN=2.51
sdE=92.0
fwE=2.61
20200114T130606.0001.fits
SecZ=1.54
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.8 19.2 19.9
ALT/AZ=40.6 170.1
fwAVG=2.53
sdW=963.2
fwW=2.45
sdS=806.8
fwS=2.54
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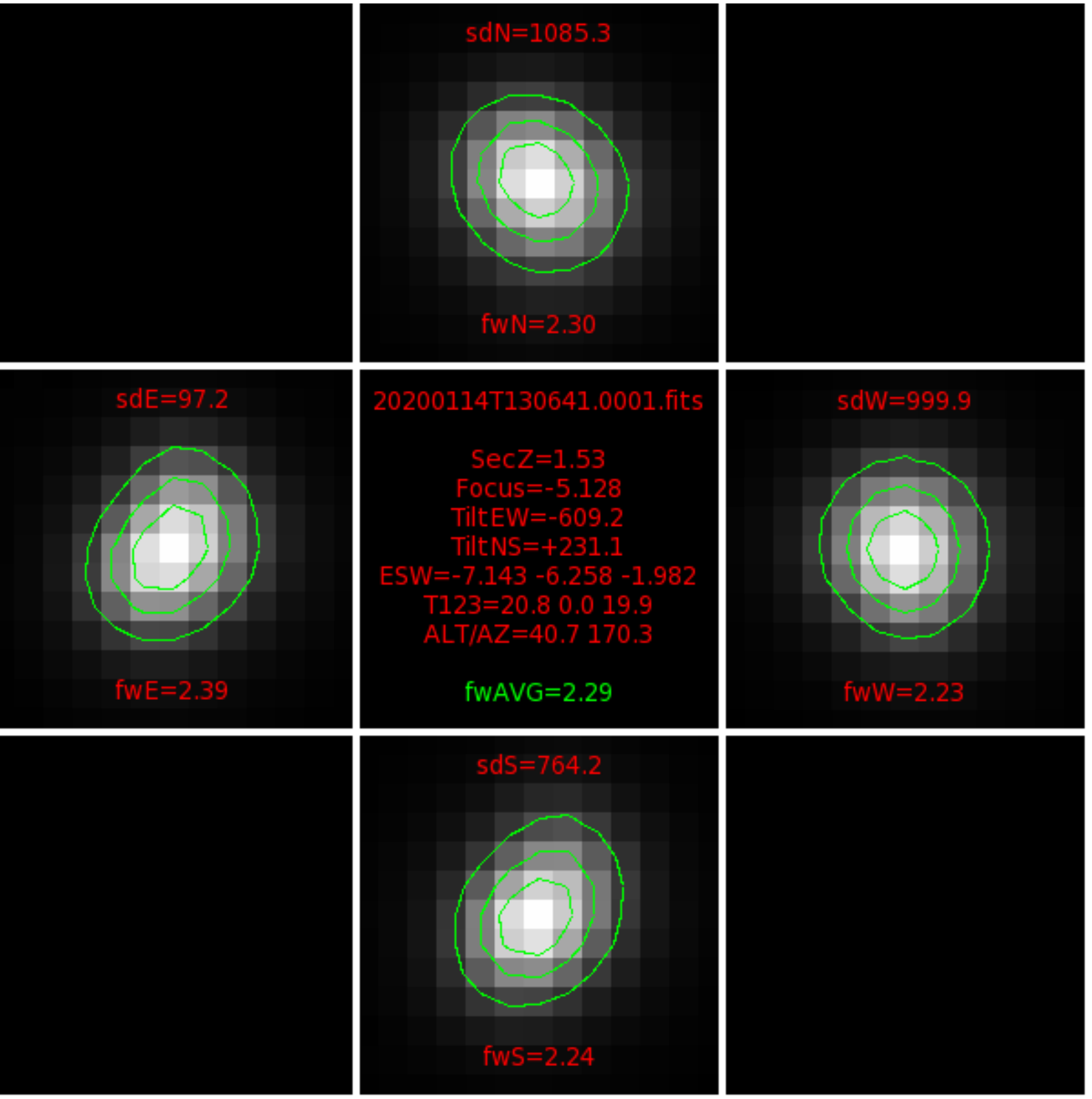
sdN=1085.3
fwN=2.30
sdE=97.2
fwE=2.39
20200114T130641.0001.fits
SecZ=1.53
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.8 0.0 19.9
ALT/AZ=40.7 170.3
fwAVG=2.29
sdW=999.9
fwW=2.23
sdS=764.2
fwS=2.24
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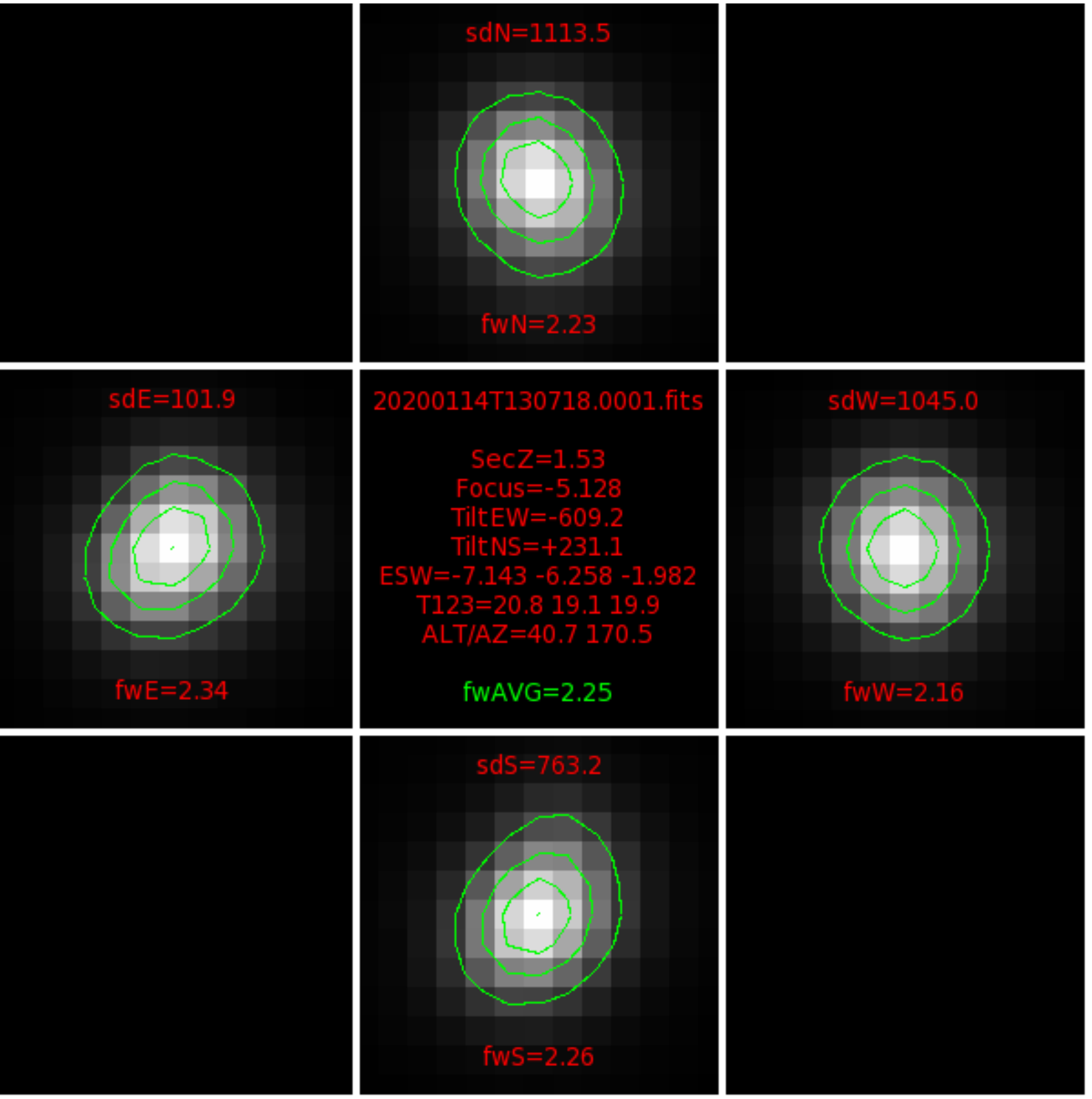
sdN=1113.5
fwN=2.23
sdE=101.9
fwE=2.34
20200114T130718.0001.fits
SecZ=1.53
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.8 19.1 19.9
ALT/AZ=40.7 170.5
fwAVG=2.25
sdW=1045.0
fwW=2.16
sdS=763.2
fwS=2.26
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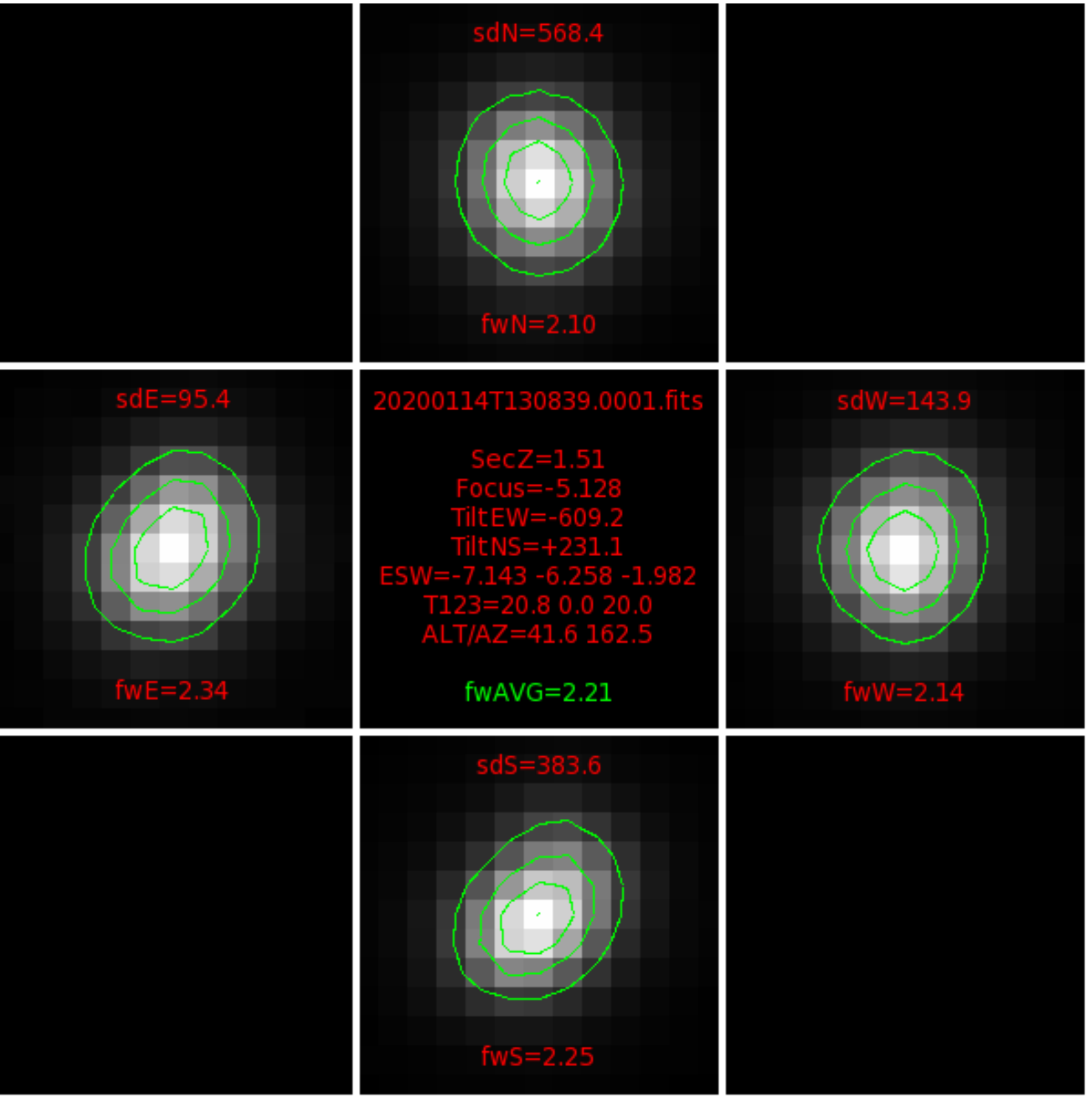
sdN=568.4
fwN=2.10
sdE=95.4
fwE=2.34
20200114T130839.0001.fits
SecZ=1.51
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.8 0.0 20.0
ALT/AZ=41.6 162.5
fwAVG=2.21
sdW=143.9
fwW=2.14
sdS=383.6
fwS=2.25
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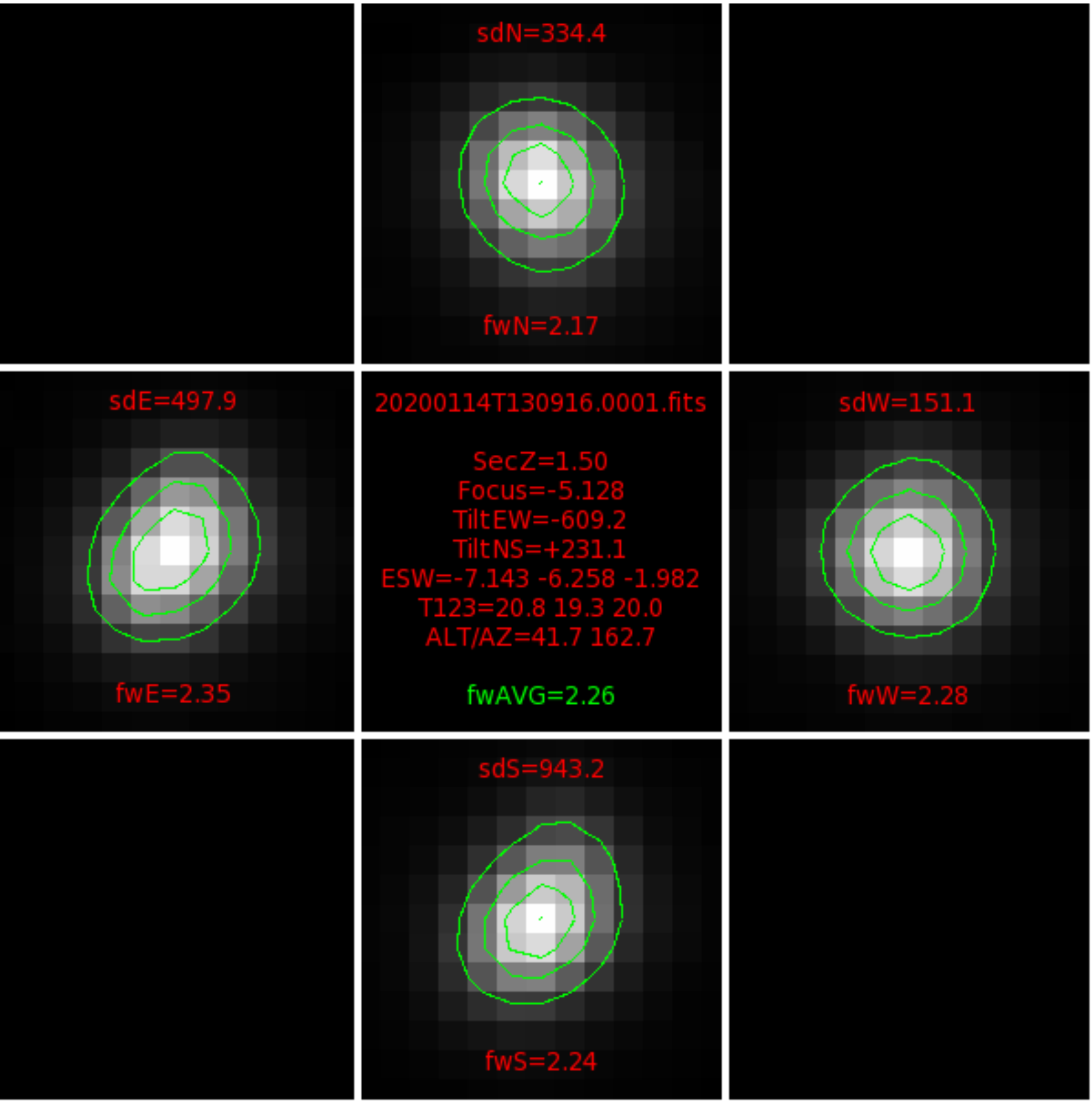
sdN=334.4
fwN=2.17
sdE=497.9
fwE=2.35
20200114T130916.0001.fits
SecZ=1.50
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.8 19.3 20.0
ALT/AZ=41.7 162.7
fwAVG=2.26
sdW=151.1
fwW=2.28
sdS=943.2
fwS=2.24
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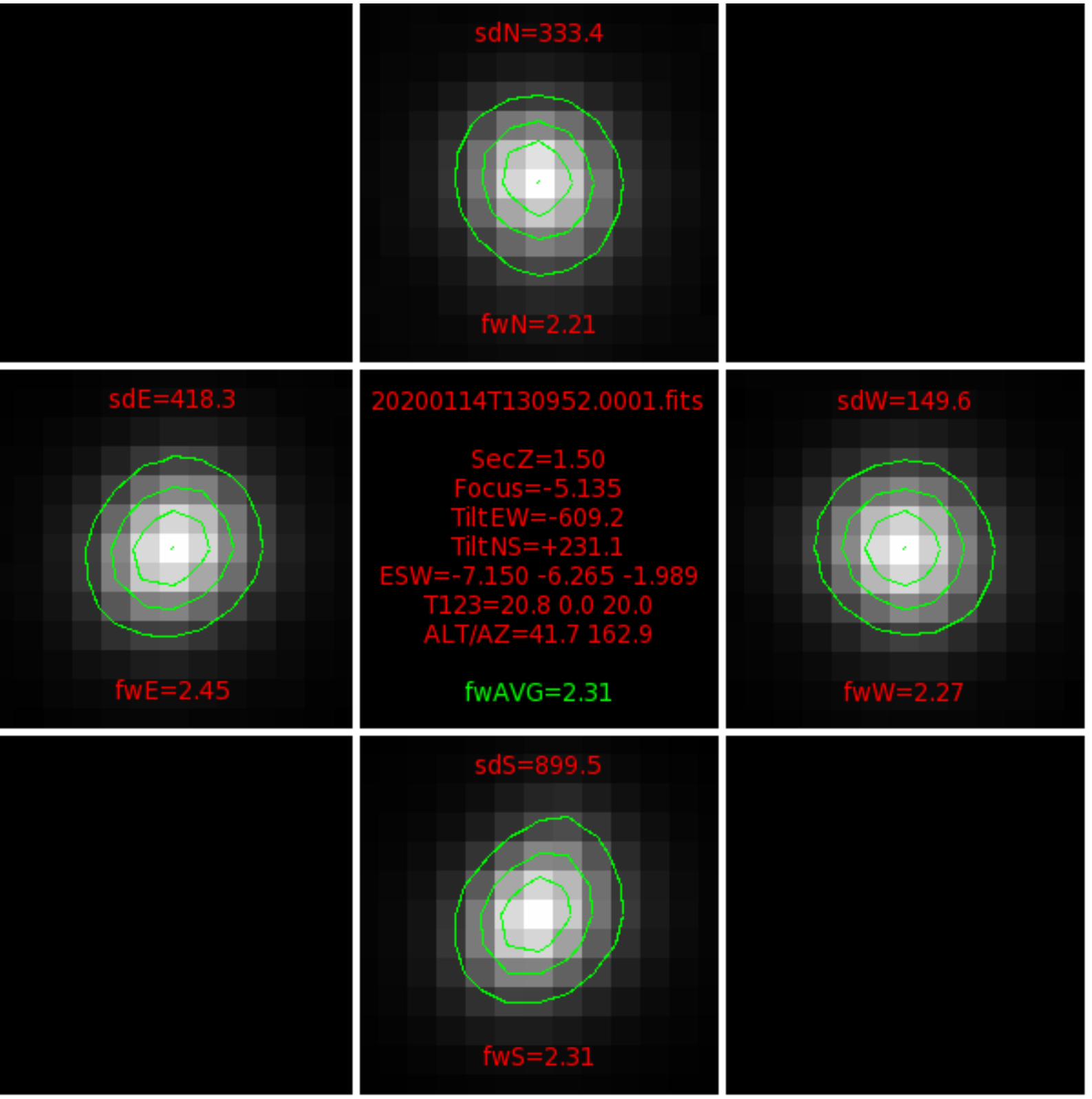
sdN=333.4
fwN=2.21
sdE=418.3
fwE=2.45
20200114T130952.0001.fits
SecZ=1.50
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=20.8 0.0 20.0
ALT/AZ=41.7 162.9
fwAVG=2.31
sdW=149.6
fwW=2.27
sdS=899.5
fwS=2.31
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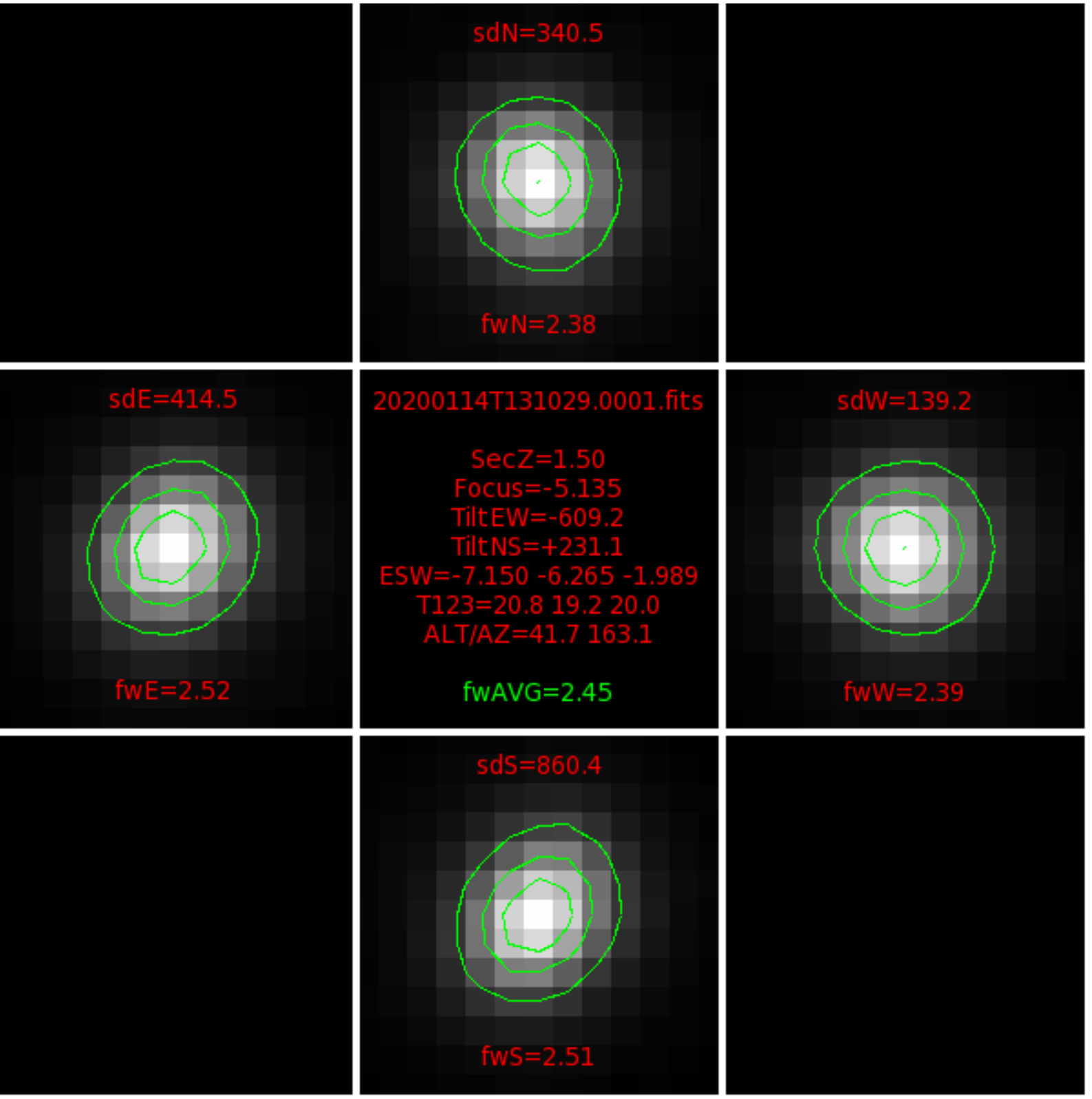
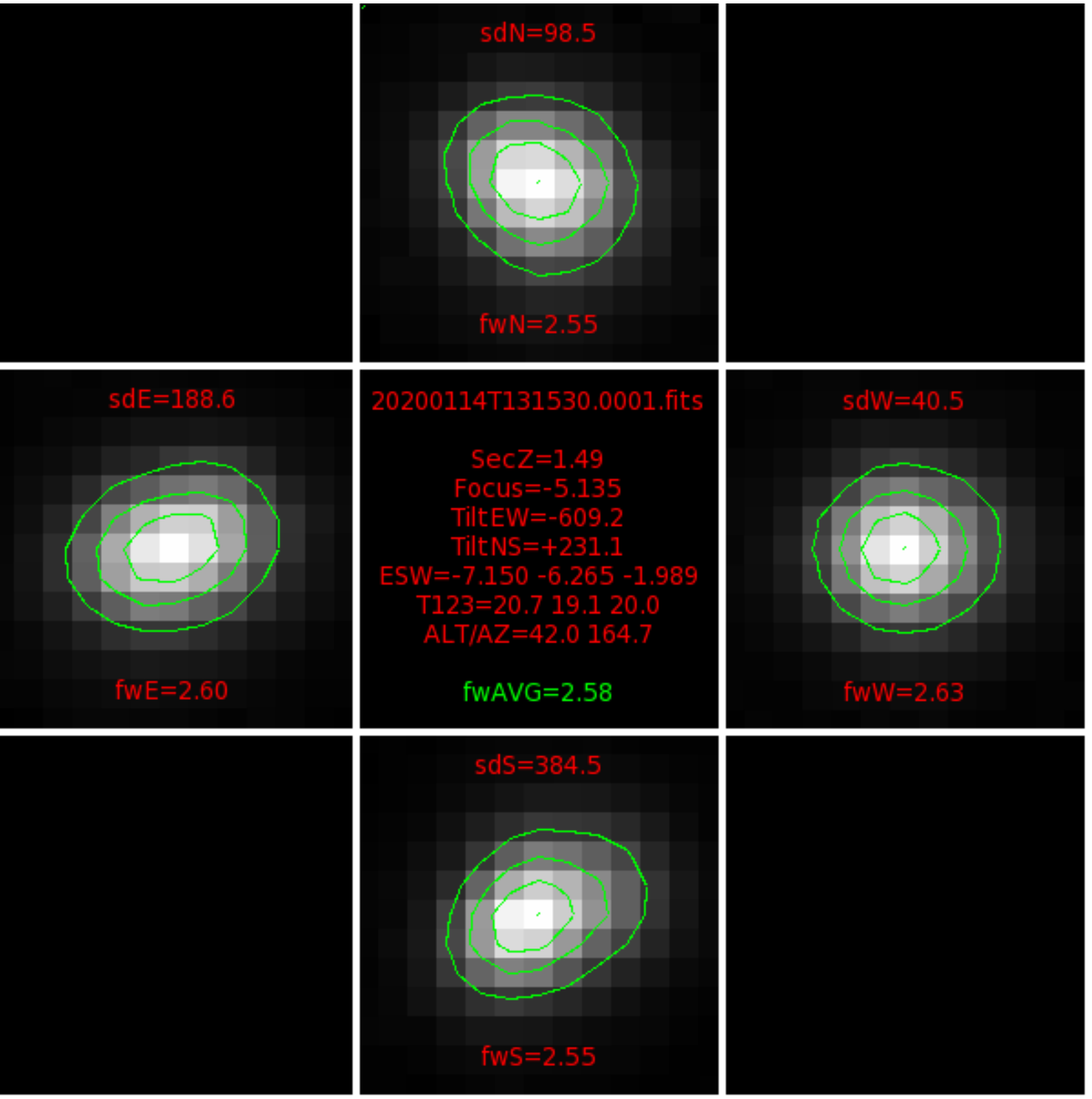
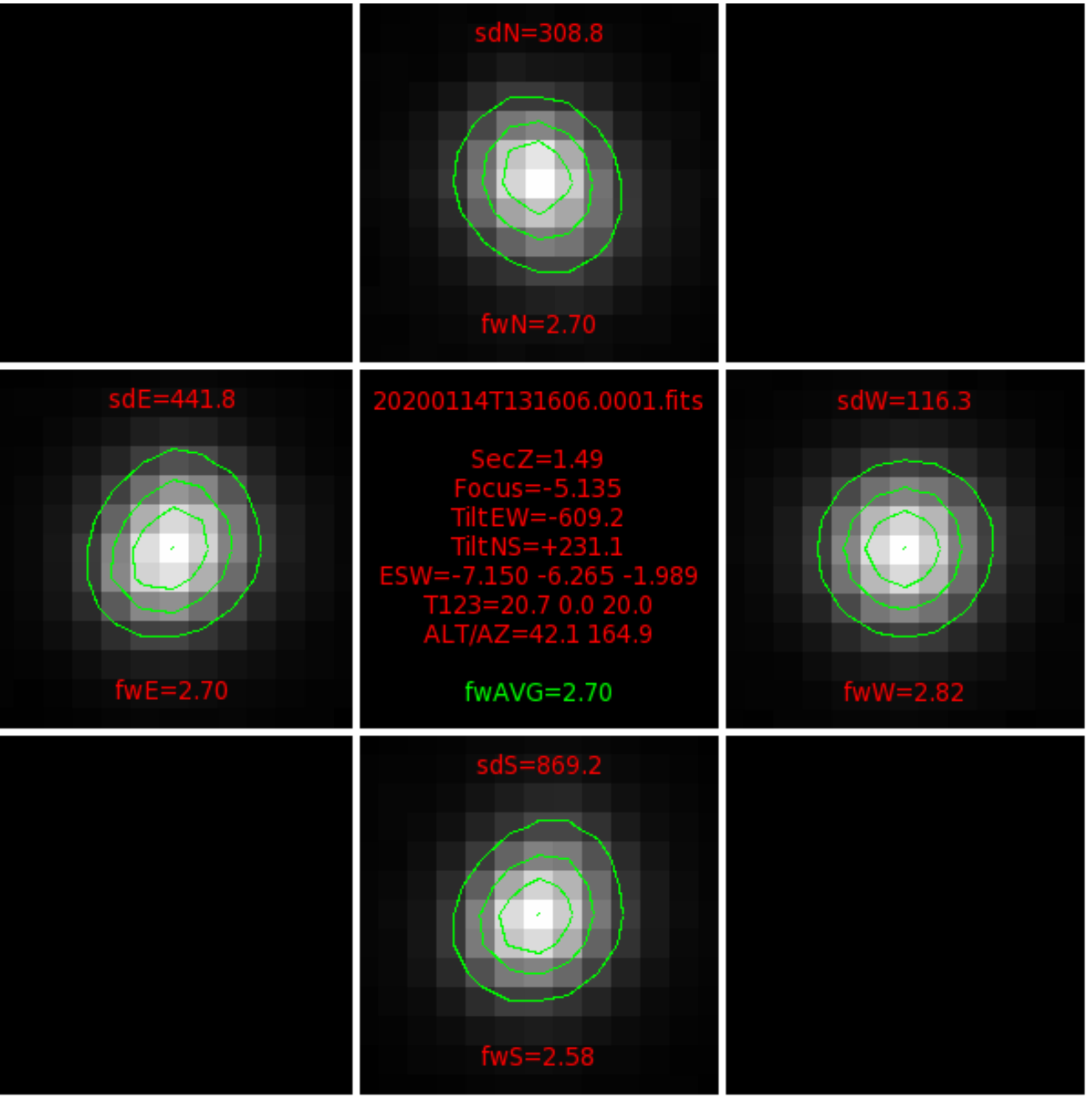

sdN=340.5
fwN=2.38
sdE=414.5
fwE=2.52
20200114T131029.0001.fits
SecZ=1.50
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=20.8 19.2 20.0
ALT/AZ=41.7 163.1
fwAVG=2.45
sdW=139.2
fwW=2.39
sdS=860.4
fwS=2.51
0 0 0 0 0 0 0 0 0


sdN=98.5
fwN=2.55
sdE=188.6
fwE=2.60
20200114T131530.0001.fits
SecZ=1.49
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=20.7 19.1 20.0
ALT/AZ=42.0 164.7
fwAVG=2.58
sdW=40.5
fwW=2.63
sdS=384.5
fwS=2.55
0 0 0 0 0 0 0 0 0


sdN=308.8
fwN=2.70
sdE=441.8
fwE=2.70
20200114T131606.0001.fits
SecZ=1.49
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=20.7 0.0 20.0
ALT/AZ=42.1 164.9
fwAVG=2.70
sdW=116.3
fwW=2.82
sdS=869.2
fwS=2.58
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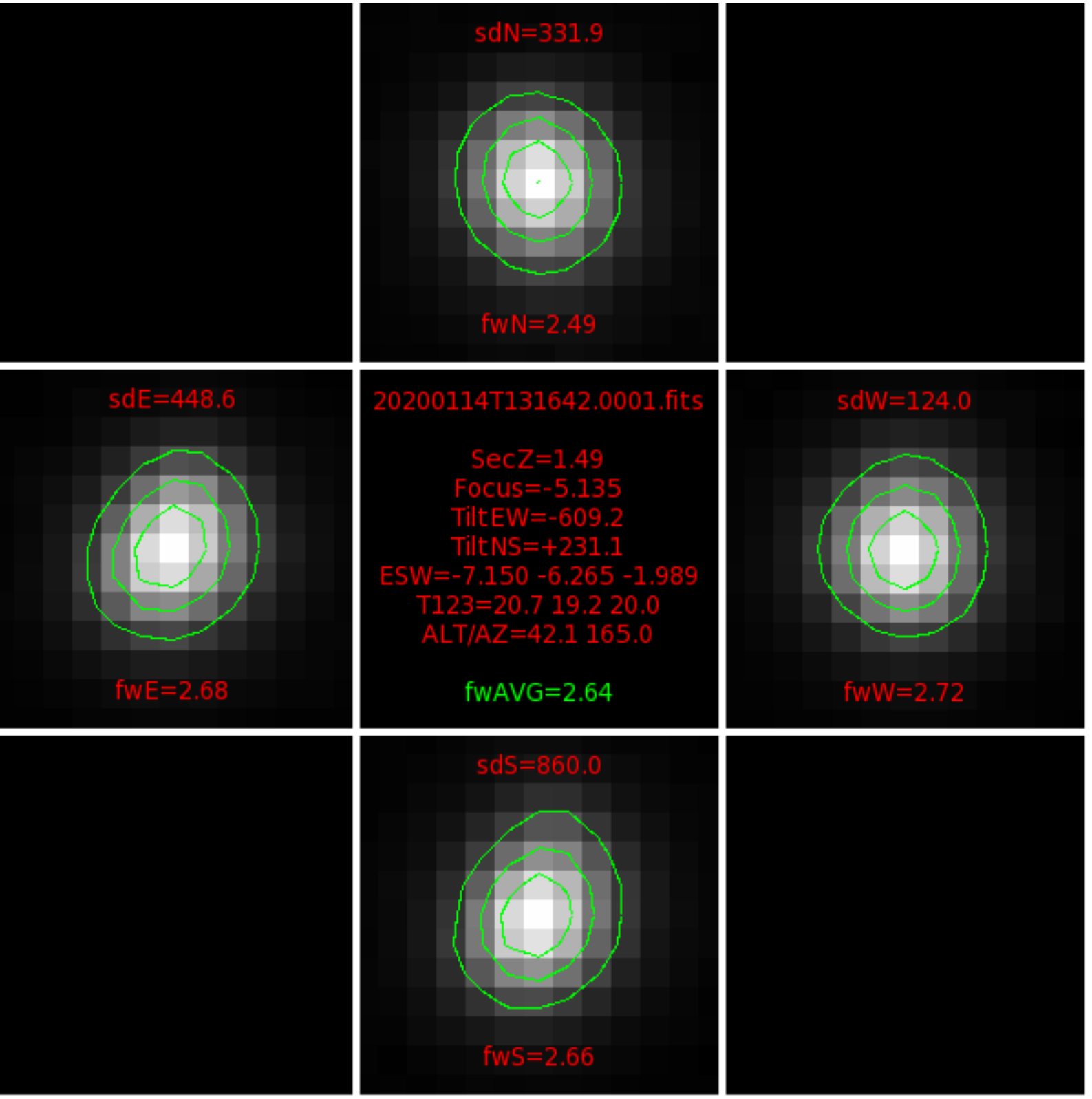
sdN=331.9
fwN=2.49
sdE=448.6
fwE=2.68
20200114T131642.0001.fits
SecZ=1.49
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=20.7 19.2 20.0
ALT/AZ=42.1 165.0
fwAVG=2.64
sdW=124.0
fwW=2.72
sdS=860.0
fwS=2.66
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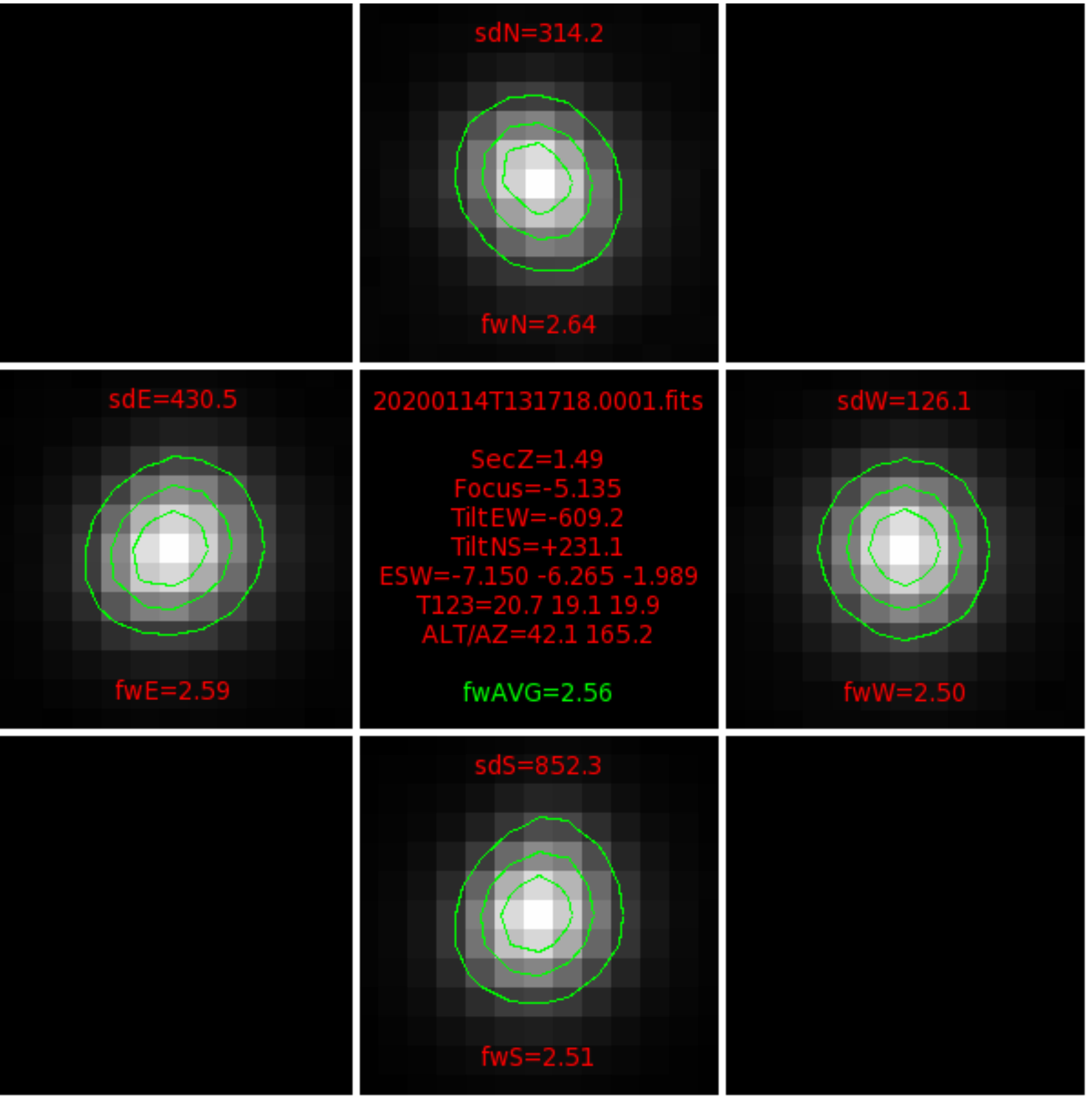
sdN=314.2
fwN=2.64
sdE=430.5
fwE=2.59
20200114T131718.0001.fits
SecZ=1.49
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=20.7 19.1 19.9
ALT/AZ=42.1 165.2
fwAVG=2.56
sdW=126.1
fwW=2.50
sdS=852.3
fwS=2.51
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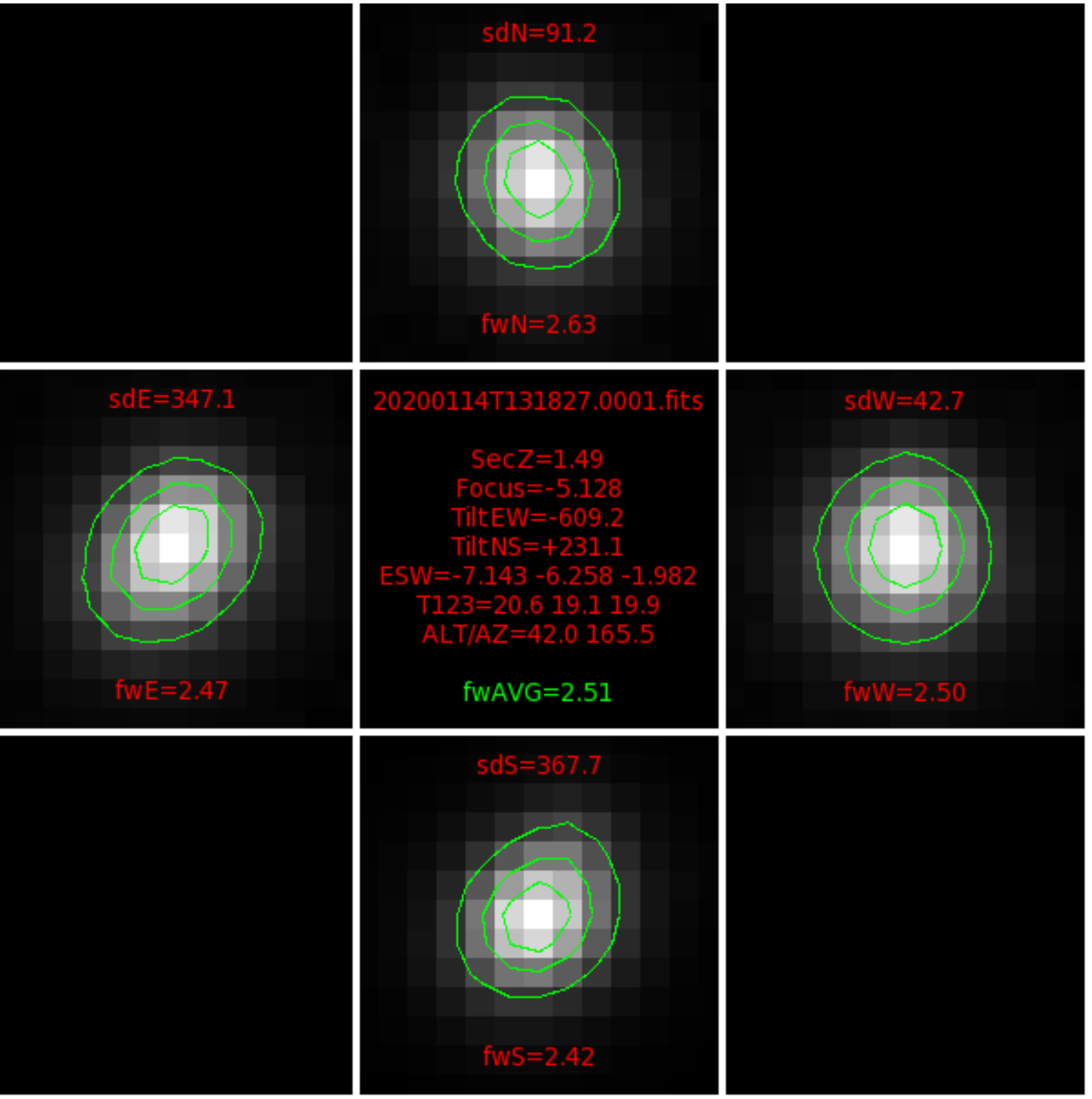
sdN=91.2
fwN=2.63
sdE=347.1
fwE=2.47
20200114T131827.0001.fits
SecZ=1.49
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.6 19.1 19.9
ALT/AZ=42.0 165.5
fwAVG=2.51
sdW=42.7
fwW=2.50
sdS=367.7
fwS=2.42
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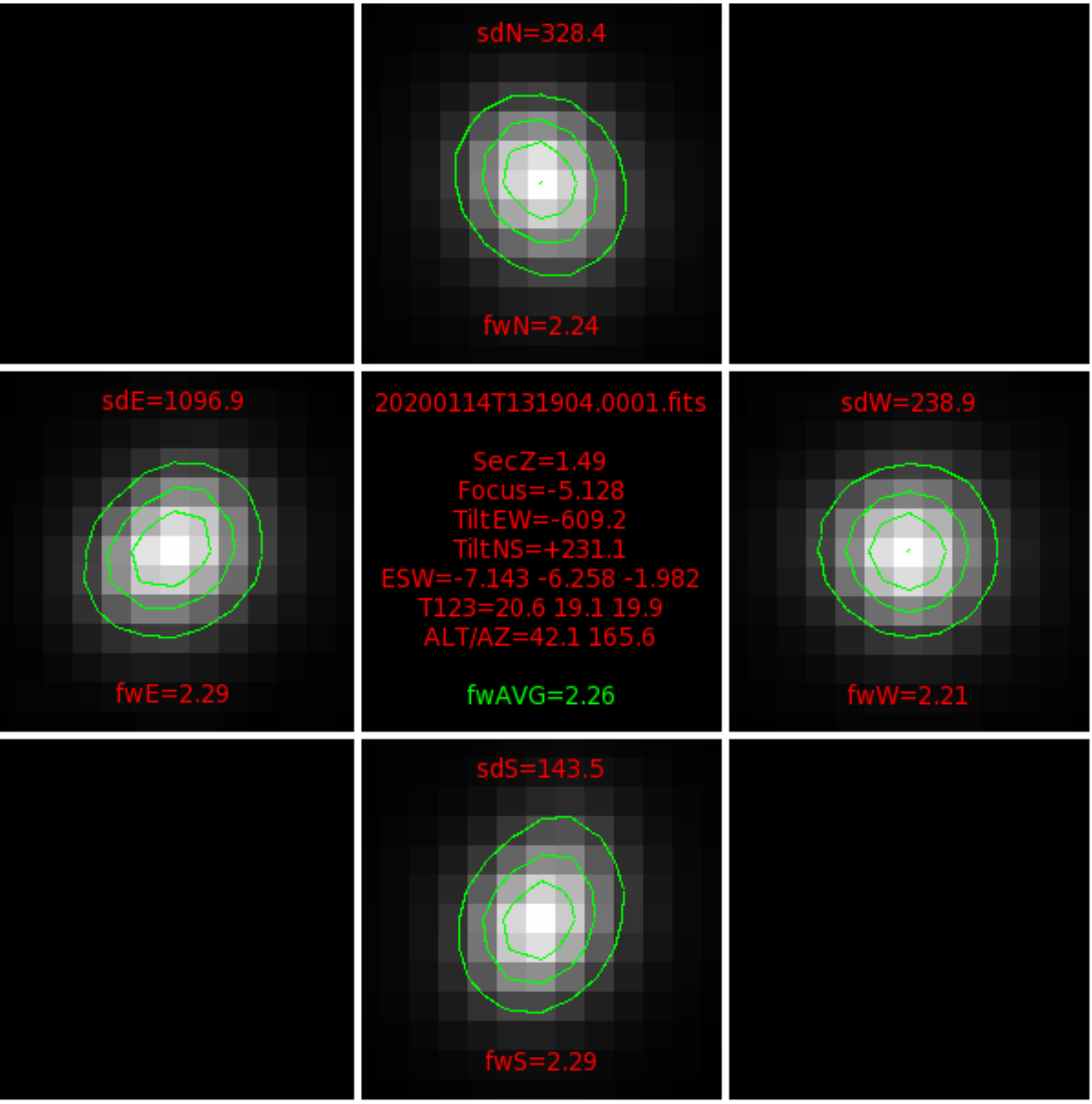
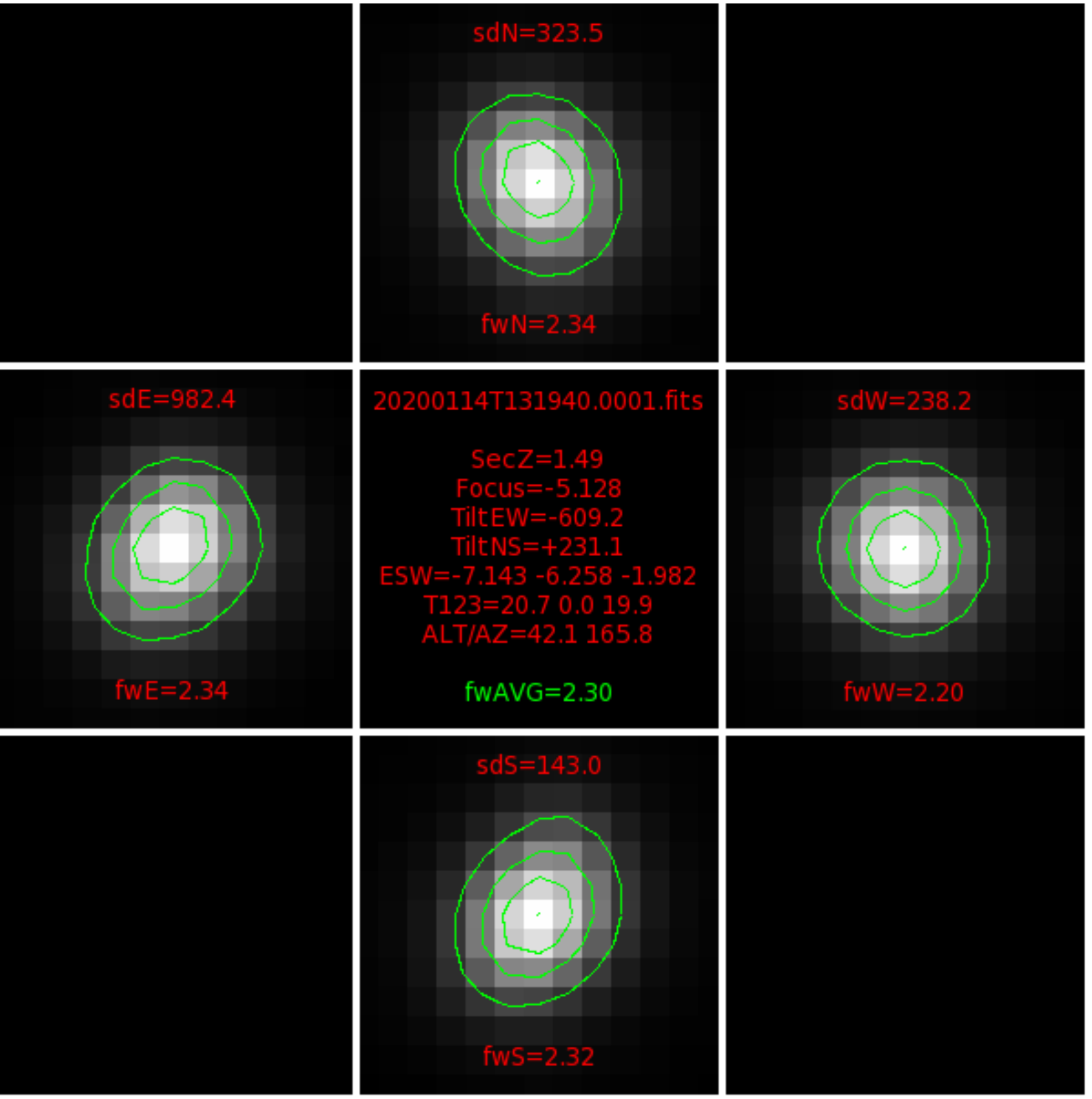
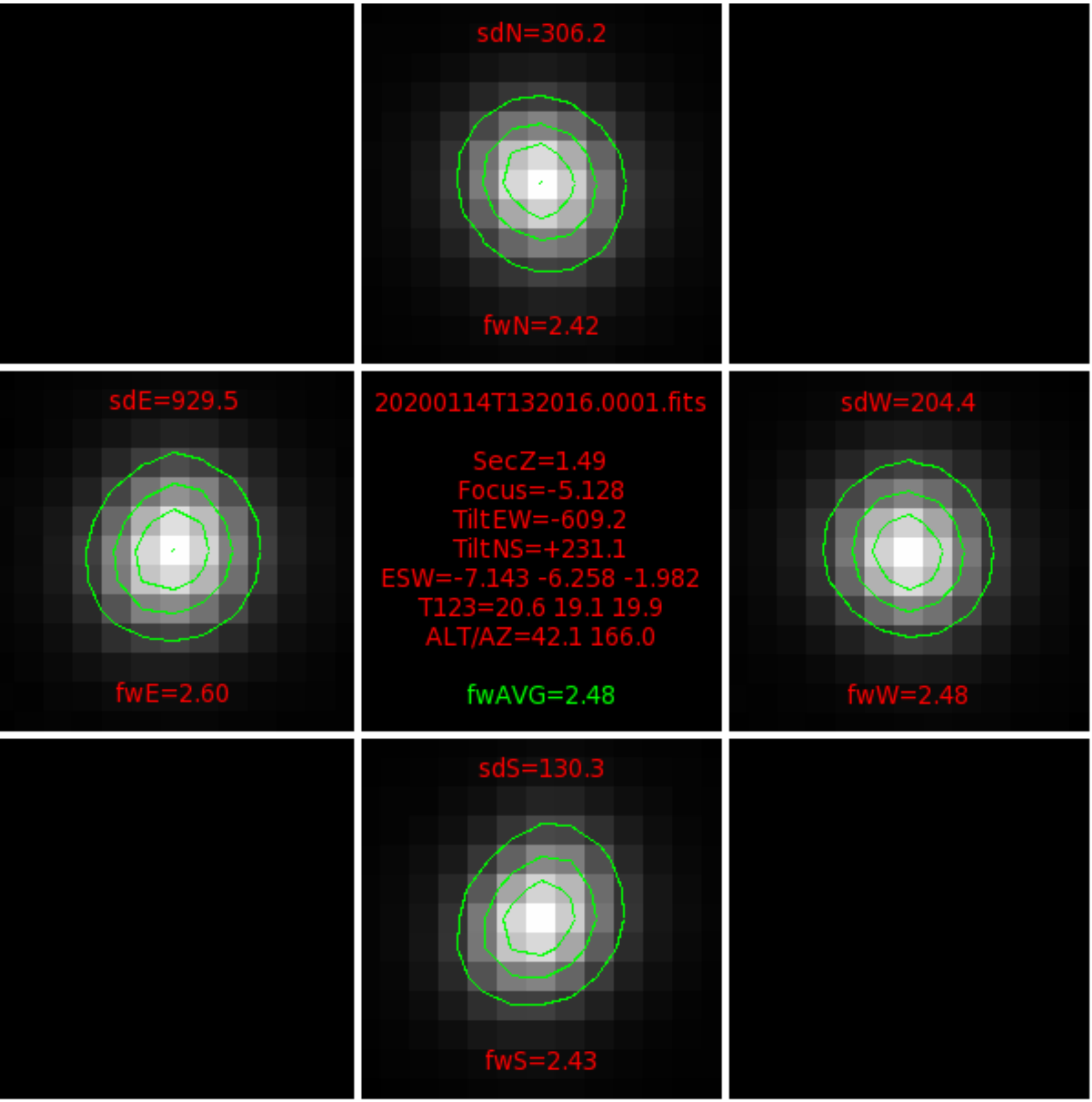

sdN=328.4
fwN=2.24
sdE=1096.9
fwE=2.29
20200114T131904.0001.fits
SecZ=1.49
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.6 19.1 19.9
ALT/AZ=42.1 165.6
fwAVG=2.26
sdW=238.9
fwW=2.21
sdS=143.5
fwS=2.29
0 0 0 0 0 0 0 0 0


sdN=323.5
fwN=2.34
sdE=982.4
fwE=2.34
20200114T131940.0001.fits
SecZ=1.49
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.7 0.0 19.9
ALT/AZ=42.1 165.8
fwAVG=2.30
sdW=238.2
fwW=2.20
sdS=143.0
fwS=2.32
0 0 0 0 0 0 0 0 0


sdN=306.2
fwN=2.42
sdE=929.5
fwE=2.60
20200114T132016.0001.fits
SecZ=1.49
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.6 19.1 19.9
ALT/AZ=42.1 166.0
fwAVG=2.48
sdW=204.4
fwW=2.48
sdS=130.3
fwS=2.43
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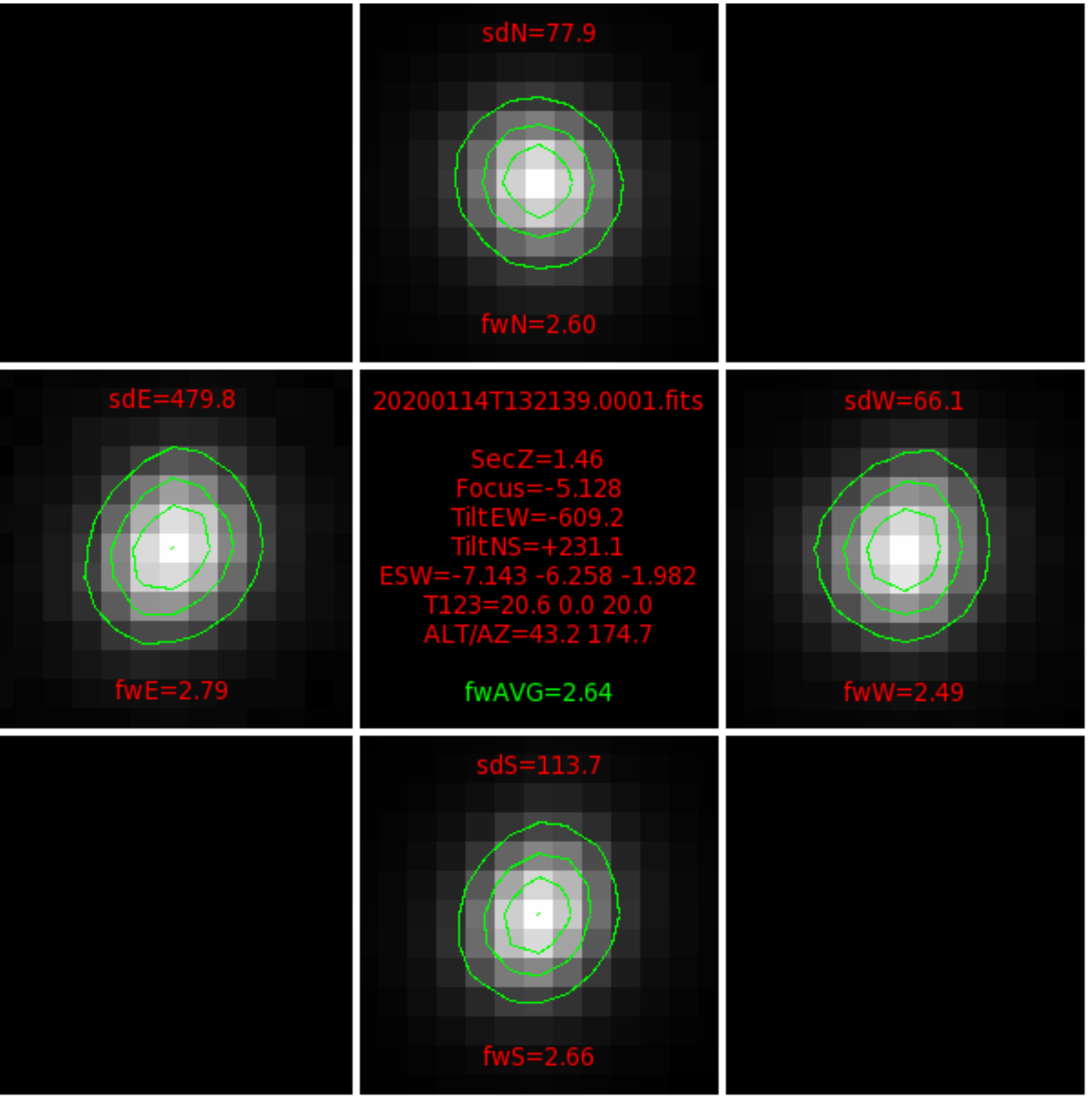
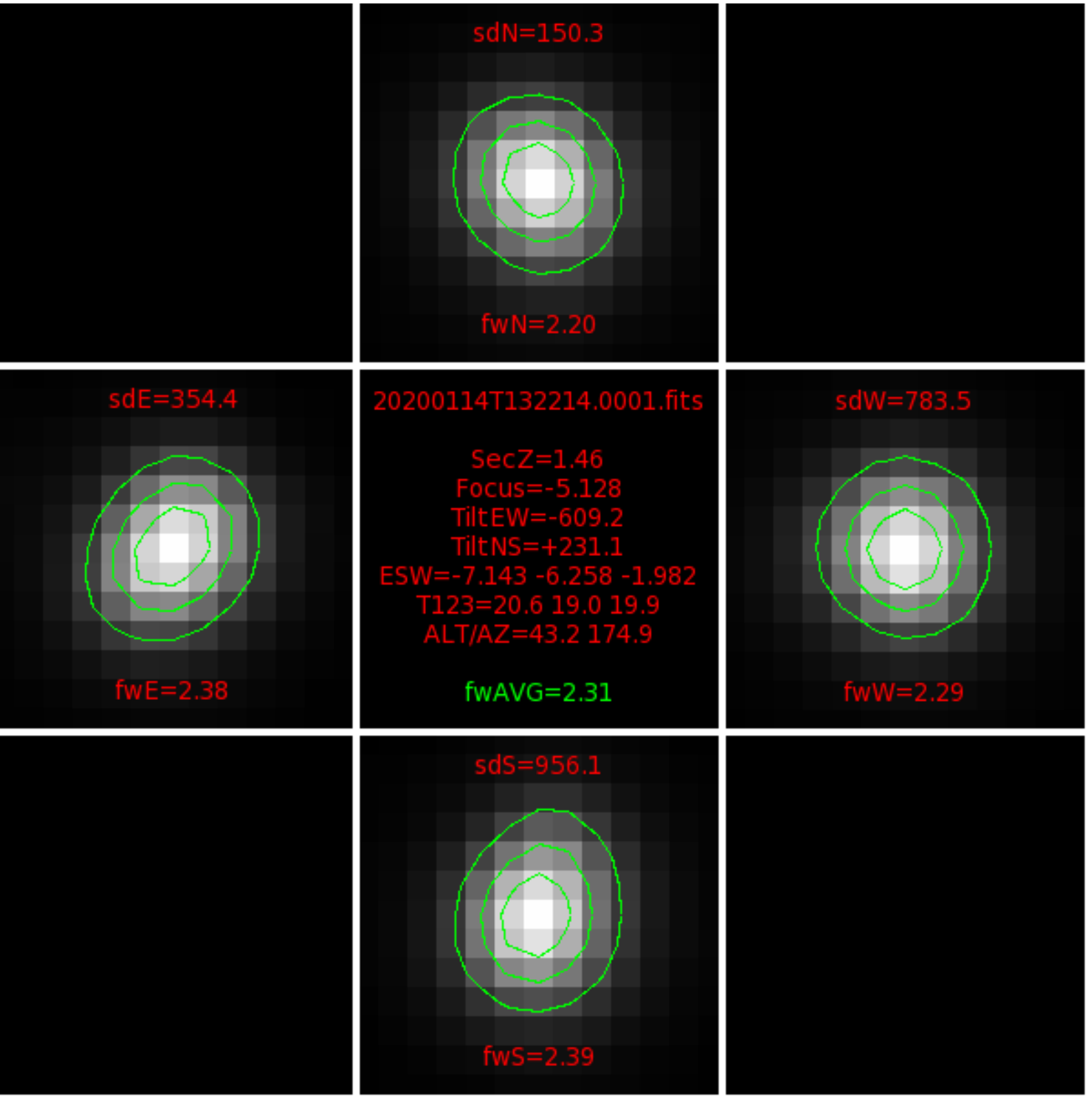

sdN=77.9
fwN=2.60
sdE=479.8
fwE=2.79
20200114T132139.0001.fits
SecZ=1.46
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.6 0.0 20.0
ALT/AZ=43.2 174.7
fwAVG=2.64
sdW=66.1
fwW=2.49
sdS=113.7
fwS=2.66
0 0 0 0 0 0 0 0 0


sdN=150.3
fwN=2.20
sdE=354.4
fwE=2.38
20200114T132214.0001.fits
SecZ=1.46
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.6 19.0 19.9
ALT/AZ=43.2 174.9
fwAVG=2.31
sdW=783.5
fwW=2.29
sdS=956.1
fwS=2.39
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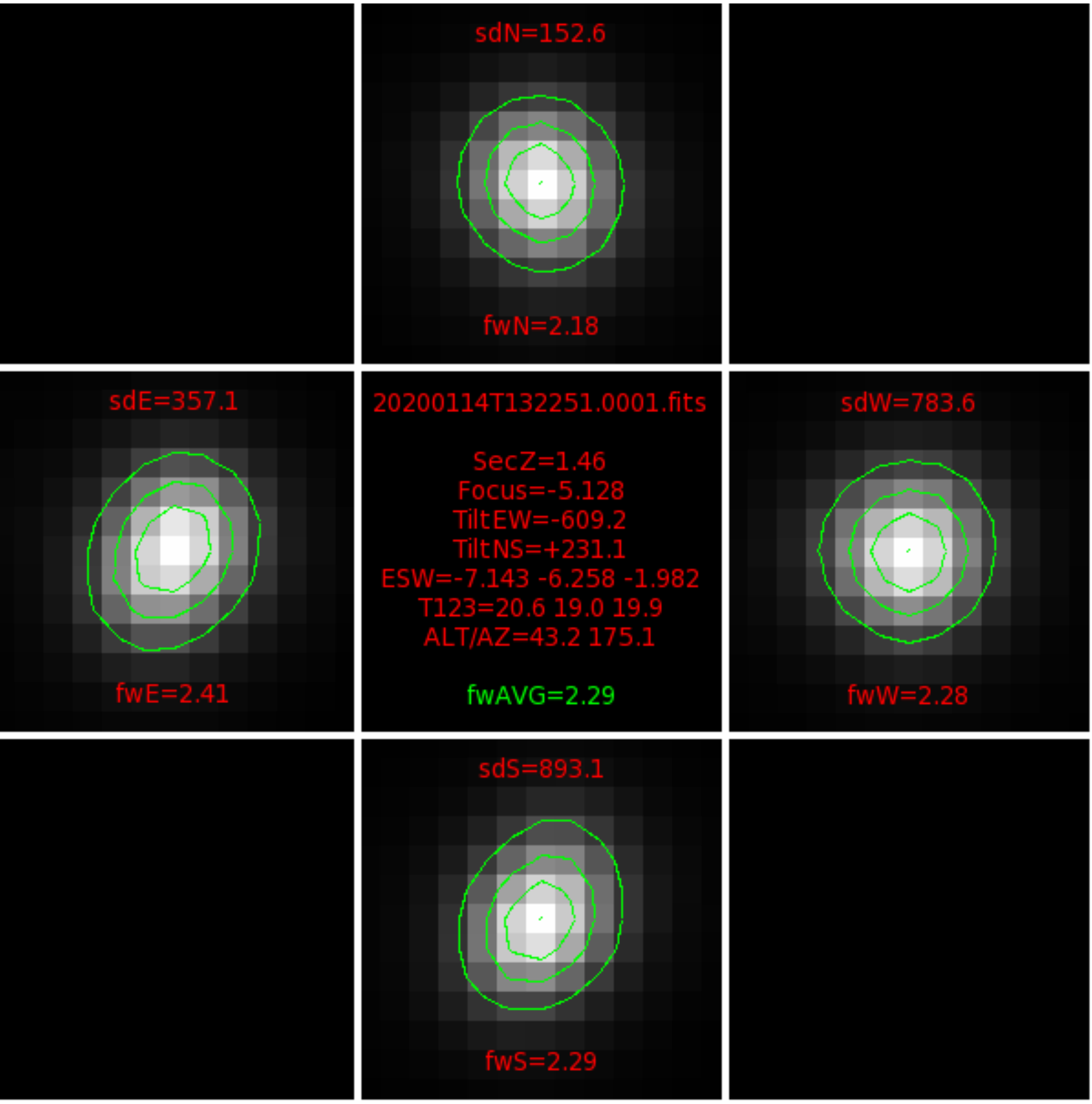
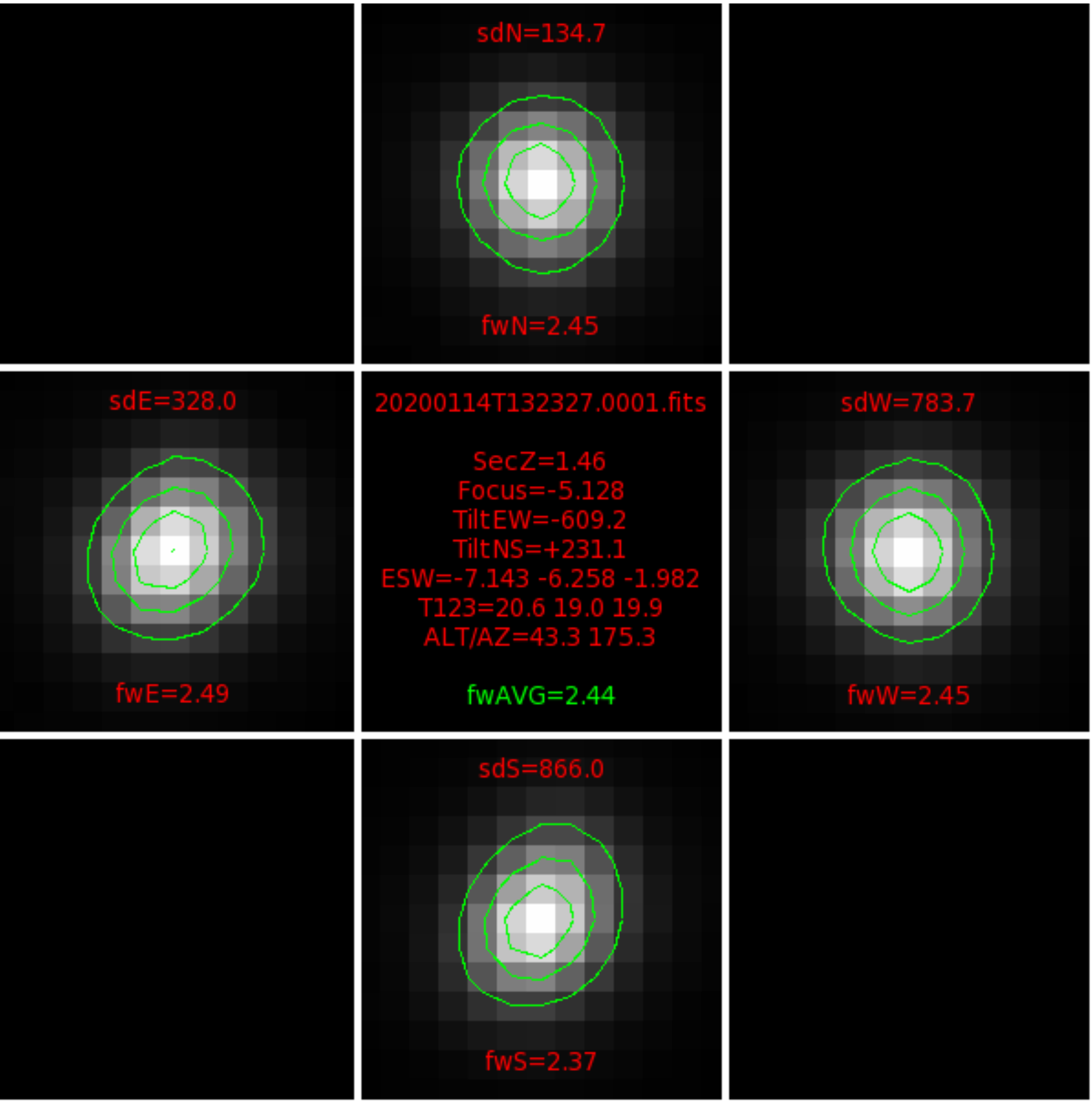
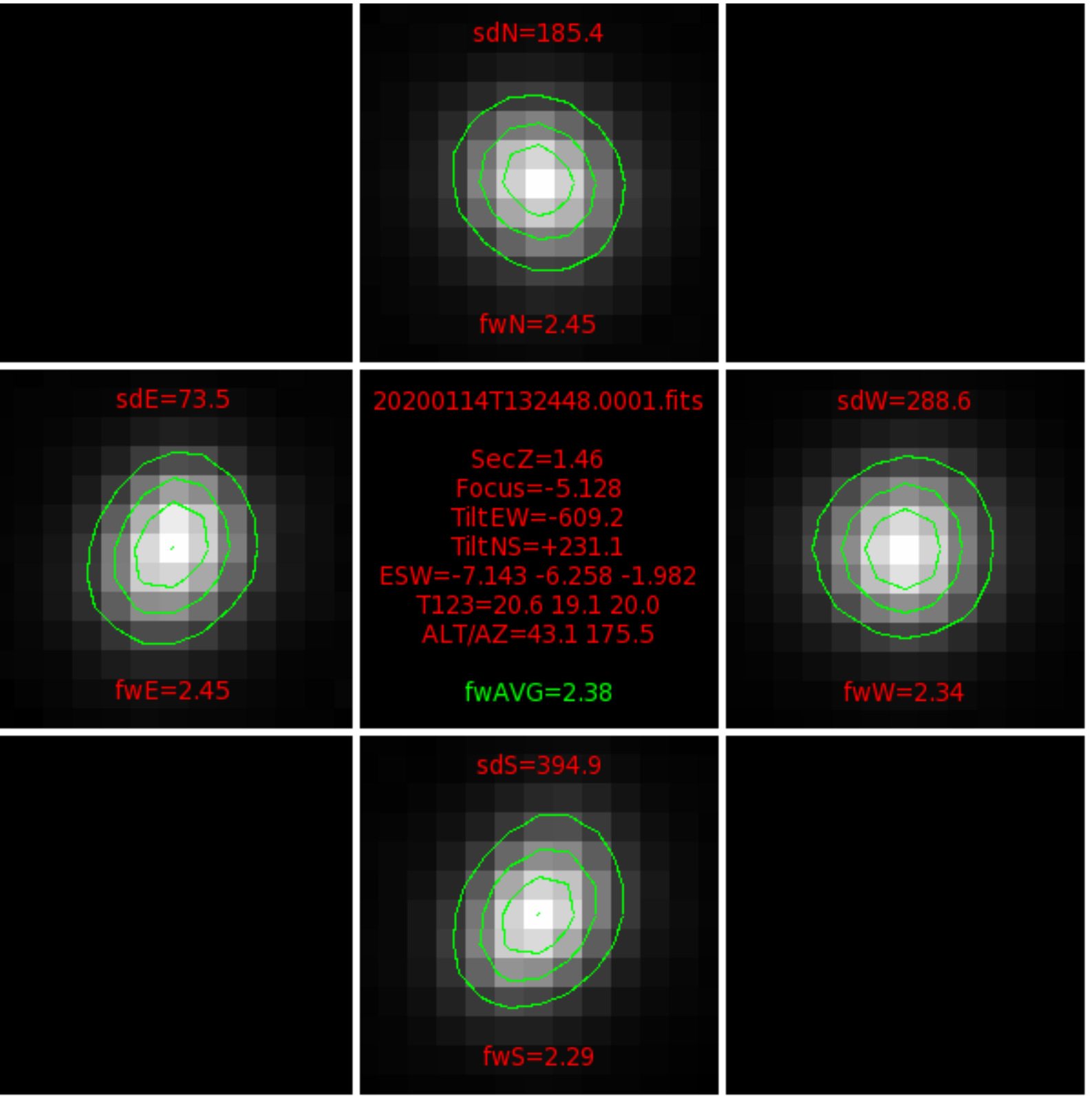

sdN=152.6
fwN=2.18
sdE=357.1
fwE=2.41
20200114T132251.0001.fits
SecZ=1.46
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.6 19.0 19.9
ALT/AZ=43.2 175.1
fwAVG=2.29
sdW=783.6
fwW=2.28
sdS=893.1
fwS=2.29
0 0 0 0 0 0 0 0 0


sdN=134.7
fwN=2.45
sdE=328.0
fwE=2.49
20200114T132327.0001.fits
SecZ=1.46
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.6 19.0 19.9
ALT/AZ=43.3 175.3
fwAVG=2.44
sdW=783.7
fwW=2.45
sdS=866.0
fwS=2.37
0 0 0 0 0 0 0 0 0


sdN=185.4
fwN=2.45
sdE=73.5
fwE=2.45
20200114T132448.0001.fits
SecZ=1.46
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.6 19.1 20.0
ALT/AZ=43.1 175.5
fwAVG=2.38
sdW=288.6
fwW=2.34
sdS=394.9
fwS=2.29
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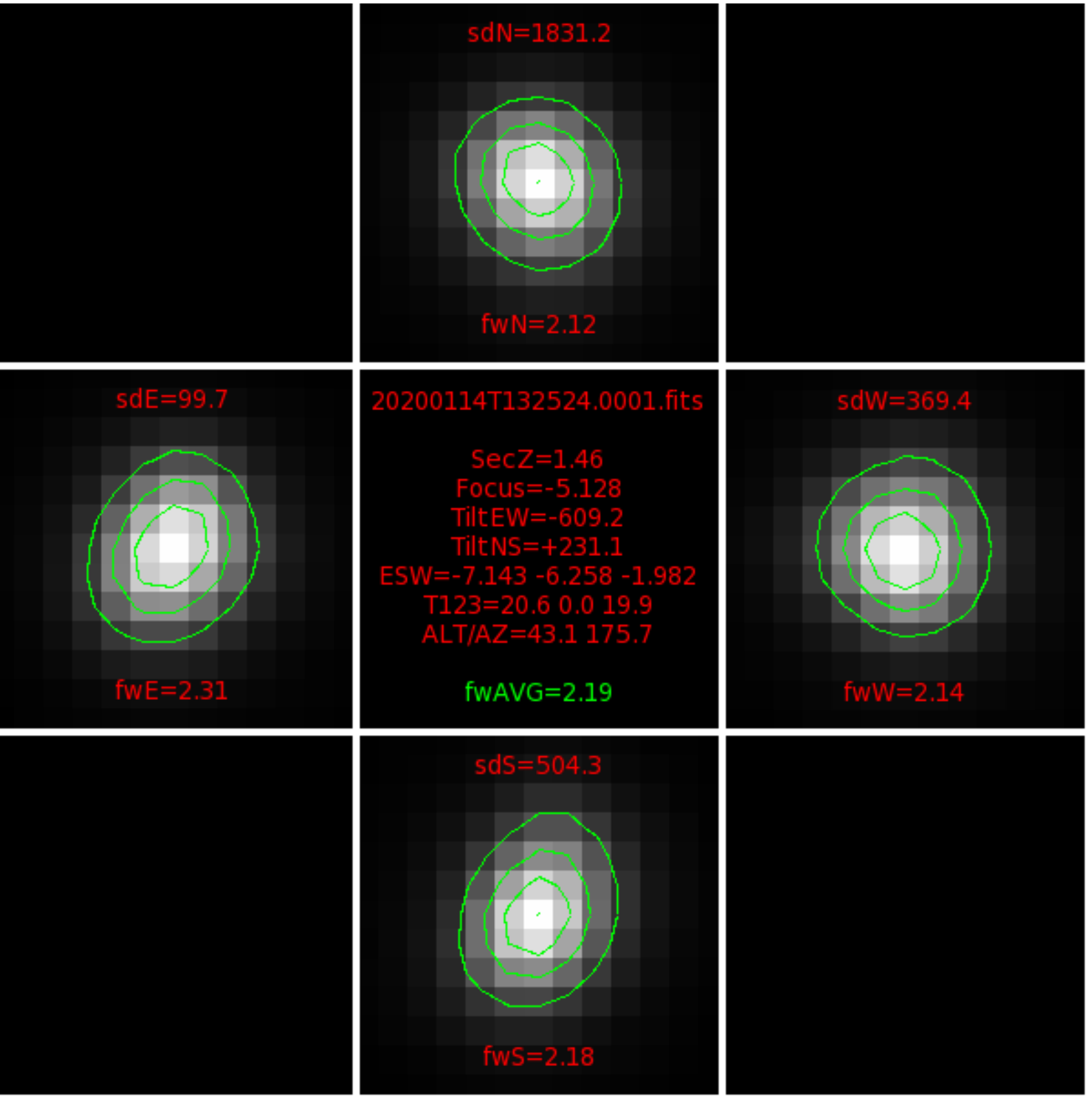
sdN=1831.2
fwN=2.12
sdE=99.7
fwE=2.31
20200114T132524.0001.fits
SecZ=1.46
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.6 0.0 19.9
ALT/AZ=43.1 175.7
fwAVG=2.19
sdW=369.4
fwW=2.14
sdS=504.3
fwS=2.18
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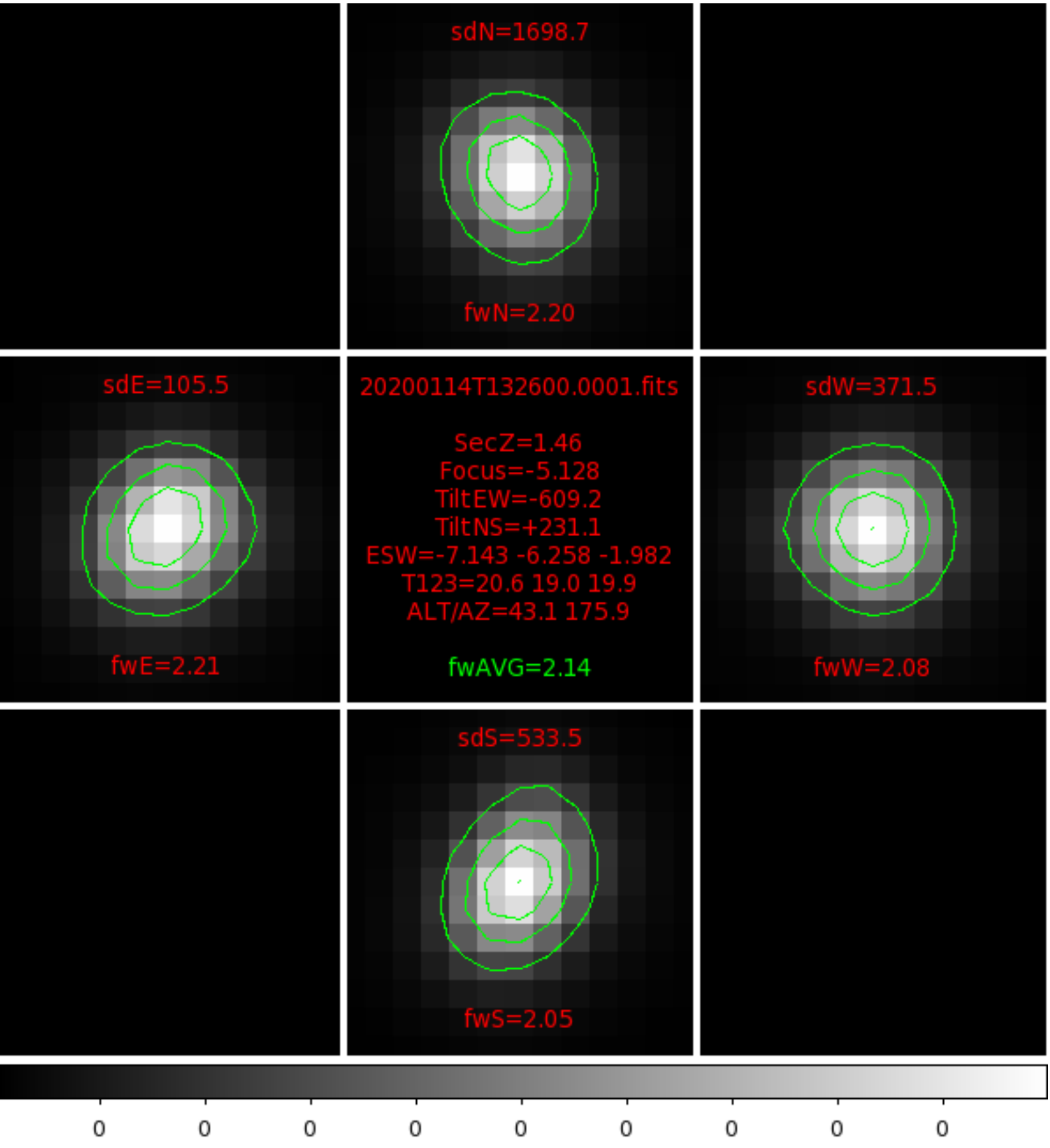
sdN=1698.7
fwN=2.20
sdE=105.5
fwE=2.21
20200114T132600.0001.fits
SecZ=1.46
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.6 19.0 19.9
ALT/AZ=43.1 175.9
fwAVG=2.14
sdW=371.5
fwW=2.08
sdS=533.5
fwS=2.05
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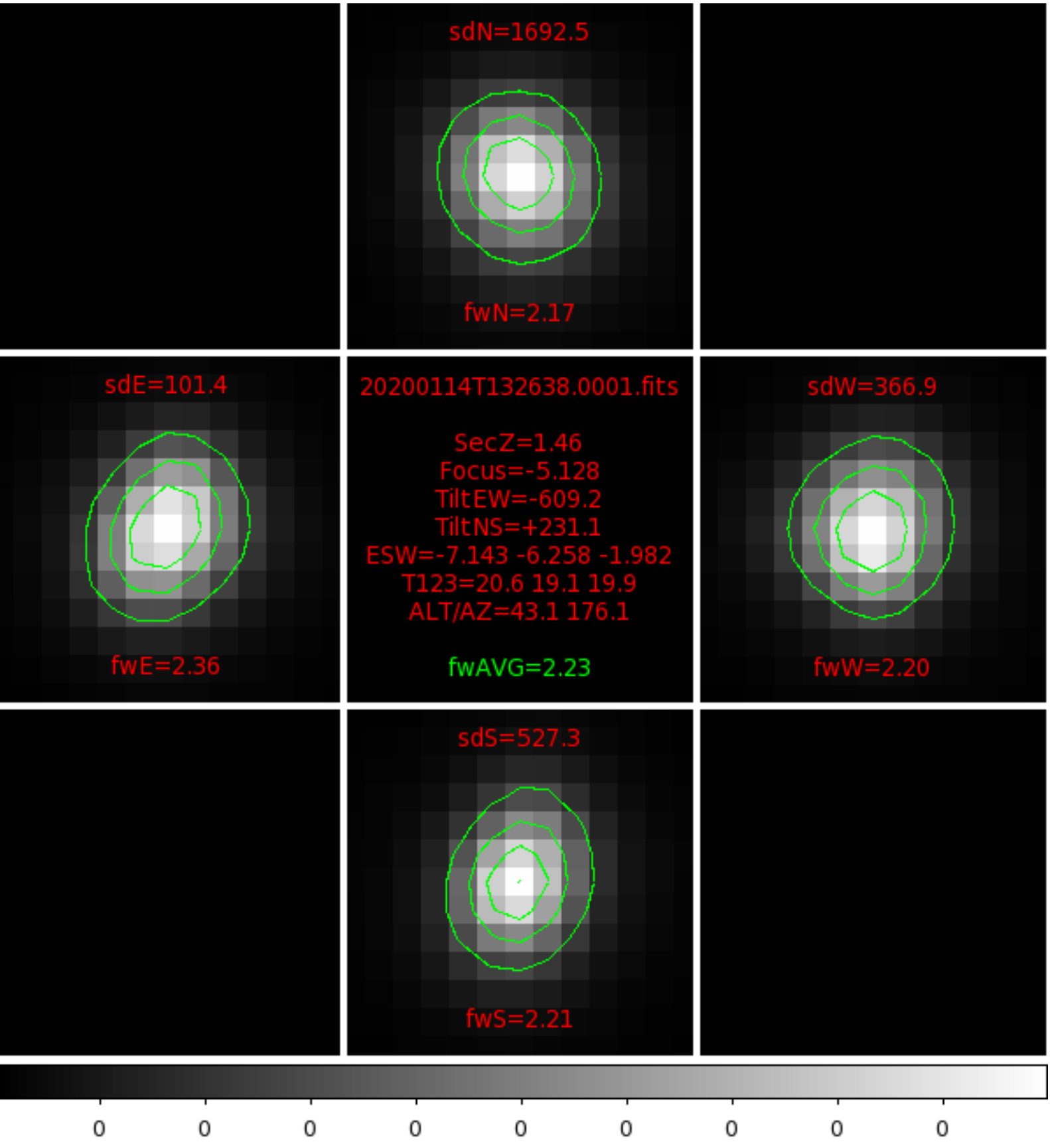
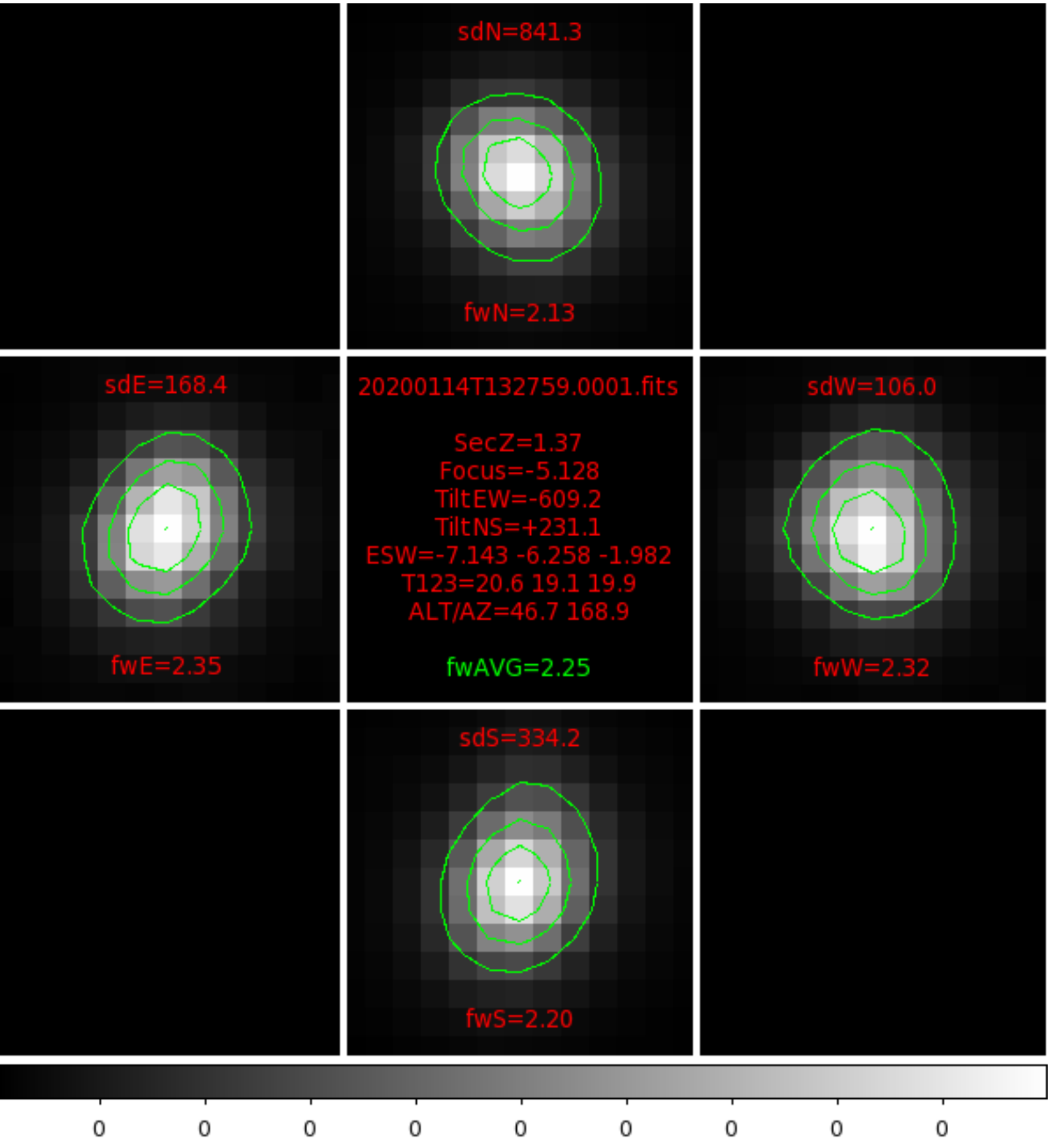
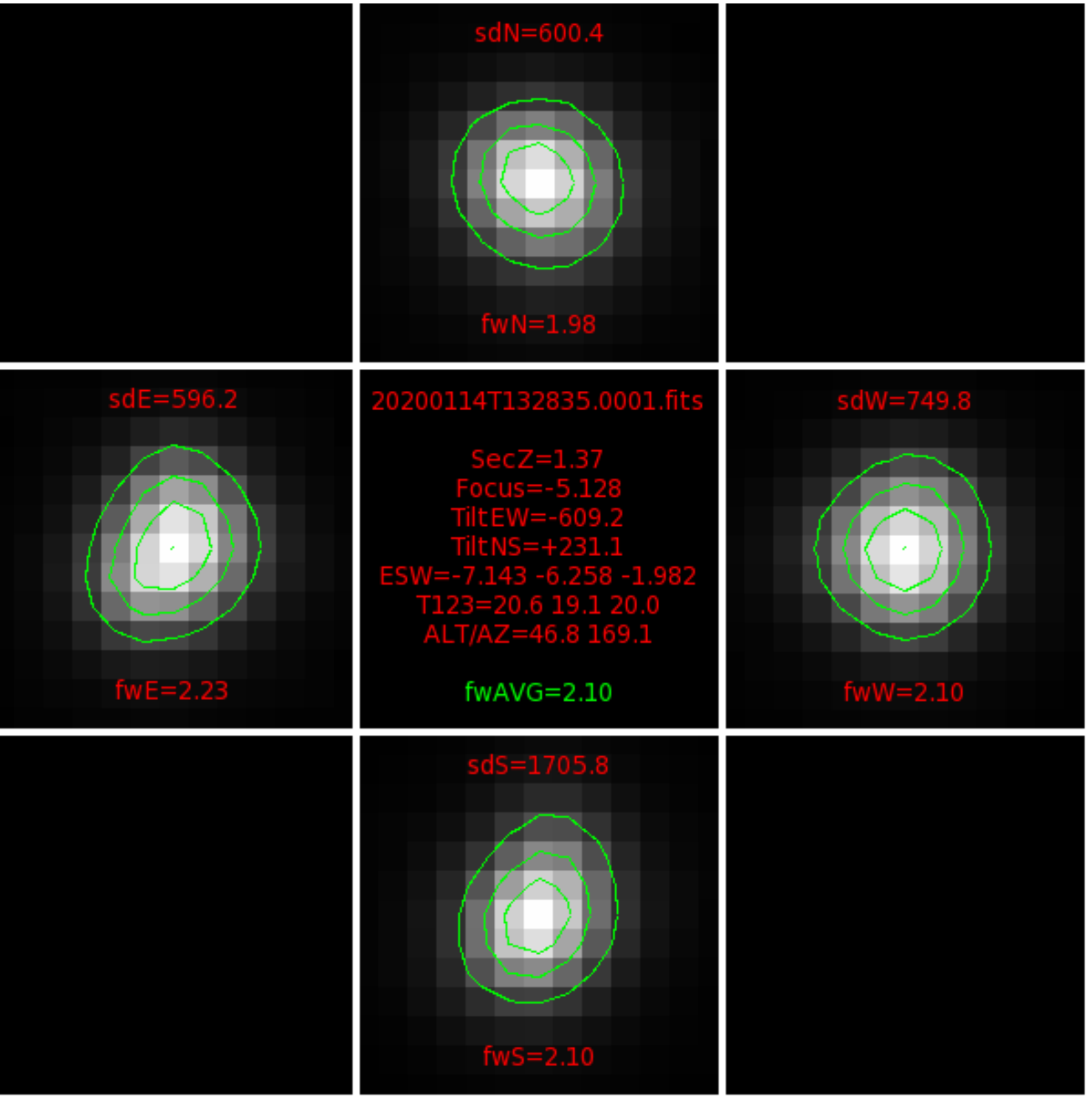

sdN=1692.5
fwN=2.17
sdE=101.4
fwE=2.36
20200114T132638.0001.fits
SecZ=1.46
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.6 19.1 19.9
ALT/AZ=43.1 176.1
fwAVG=2.23
sdW=366.9
fwW=2.20
sdS=527.3
fwS=2.21
0 0 0 0 0 0 0 0 0


sdN=841.3
fwN=2.13
sdE=168.4
fwE=2.35
20200114T132759.0001.fits
SecZ=1.37
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.6 19.1 19.9
ALT/AZ=46.7 168.9
fwAVG=2.25
sdW=106.0
fwW=2.32
sdS=334.2
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=600.4
fwN=1.98
sdE=596.2
fwE=2.23
20200114T132835.0001.fits
SecZ=1.37
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.6 19.1 20.0
ALT/AZ=46.8 169.1
fwAVG=2.10
sdW=749.8
fwW=2.10
sdS=1705.8
fwS=2.10
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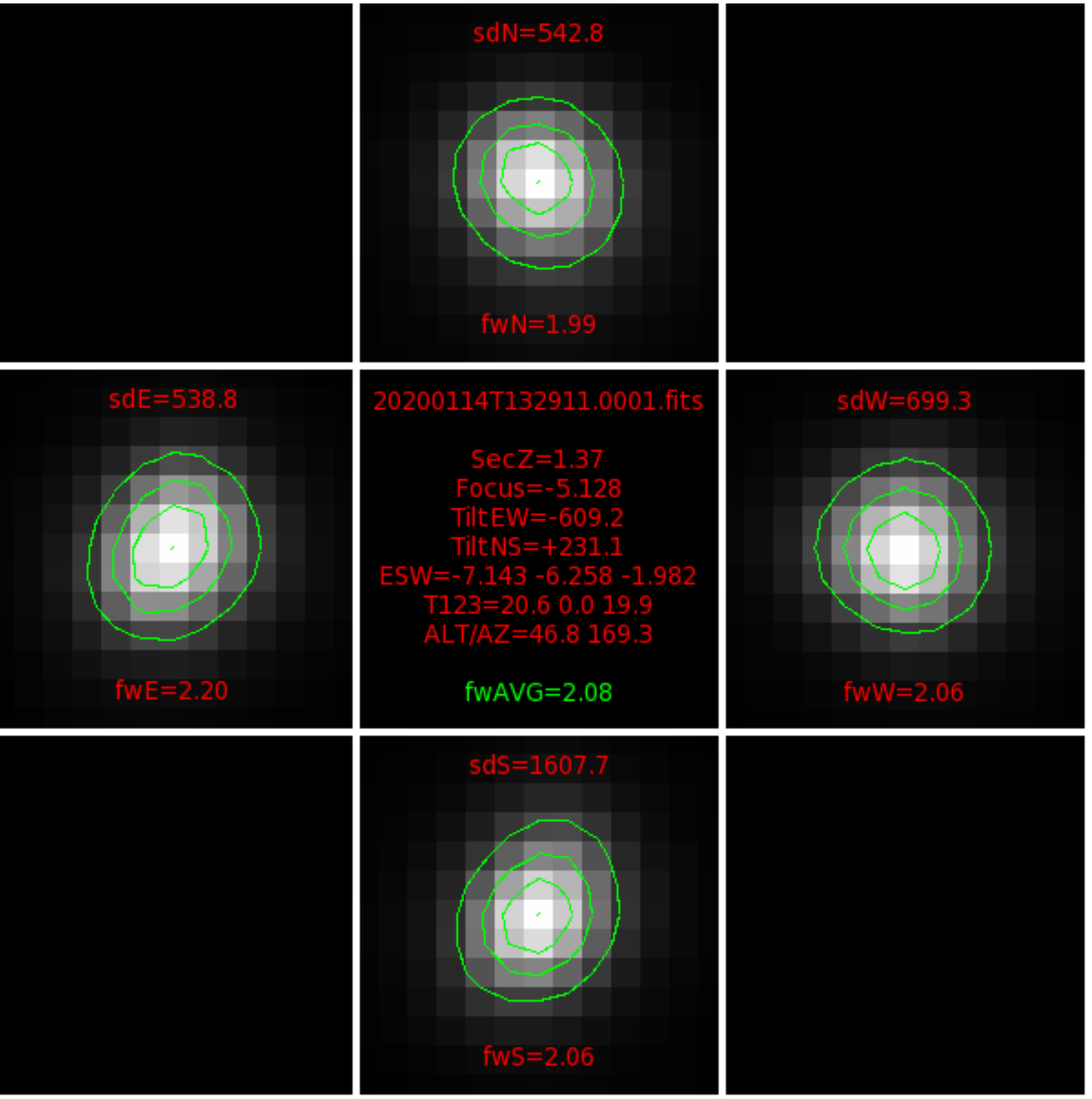
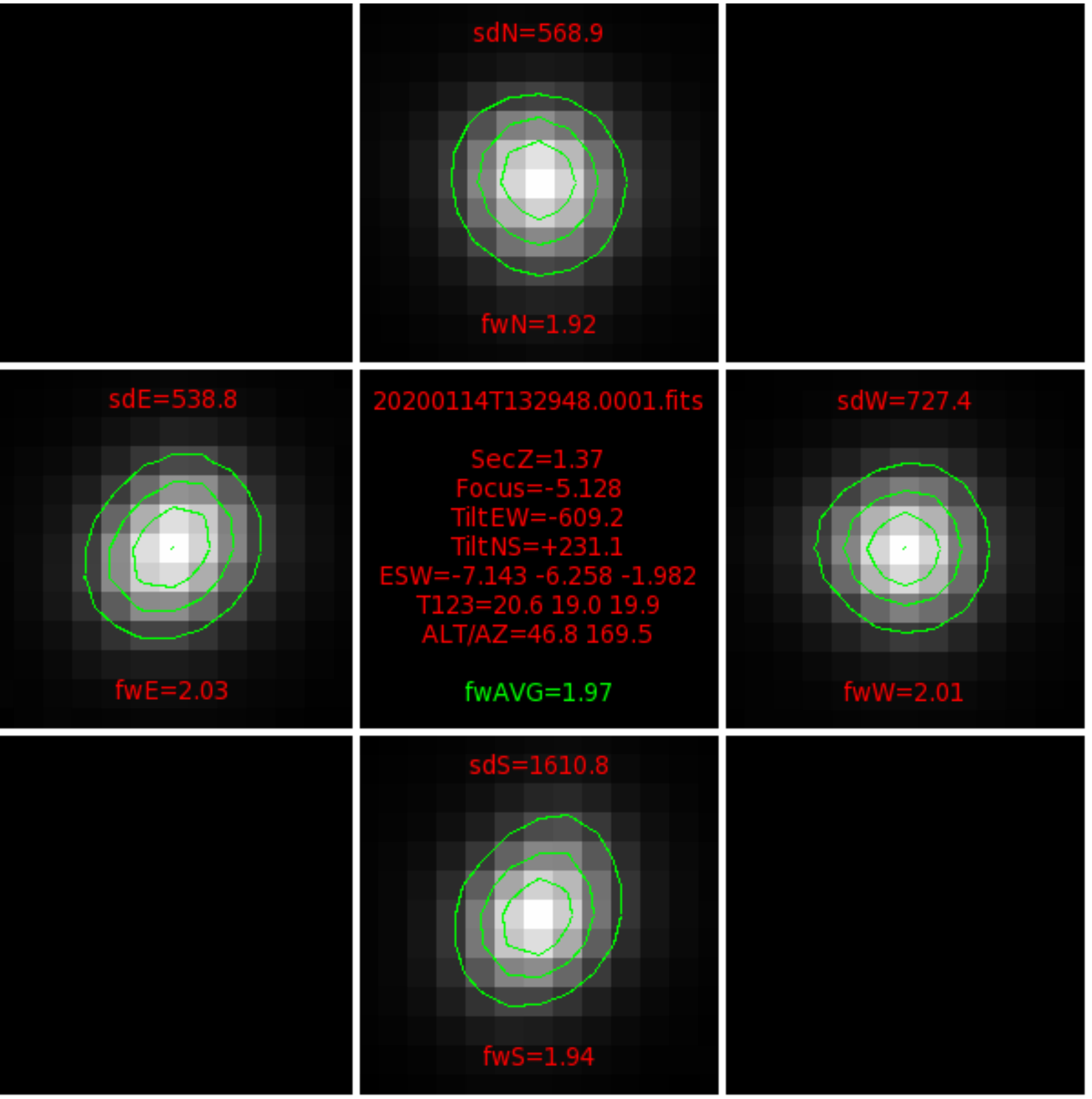

sdN=542.8
fwN=1.99
sdE=538.8
fwE=2.20
20200114T132911.0001.fits
SecZ=1.37
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.6 0.0 19.9
ALT/AZ=46.8 169.3
fwAVG=2.08
sdW=699.3
fwW=2.06
sdS=1607.7
fwS=2.06
0 0 0 0 0 0 0 0 0


sdN=568.9
fwN=1.92
sdE=538.8
fwE=2.03
20200114T132948.0001.fits
SecZ=1.37
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.6 19.0 19.9
ALT/AZ=46.8 169.5
fwAVG=1.97
sdW=727.4
fwW=2.01
sdS=1610.8
fwS=1.94
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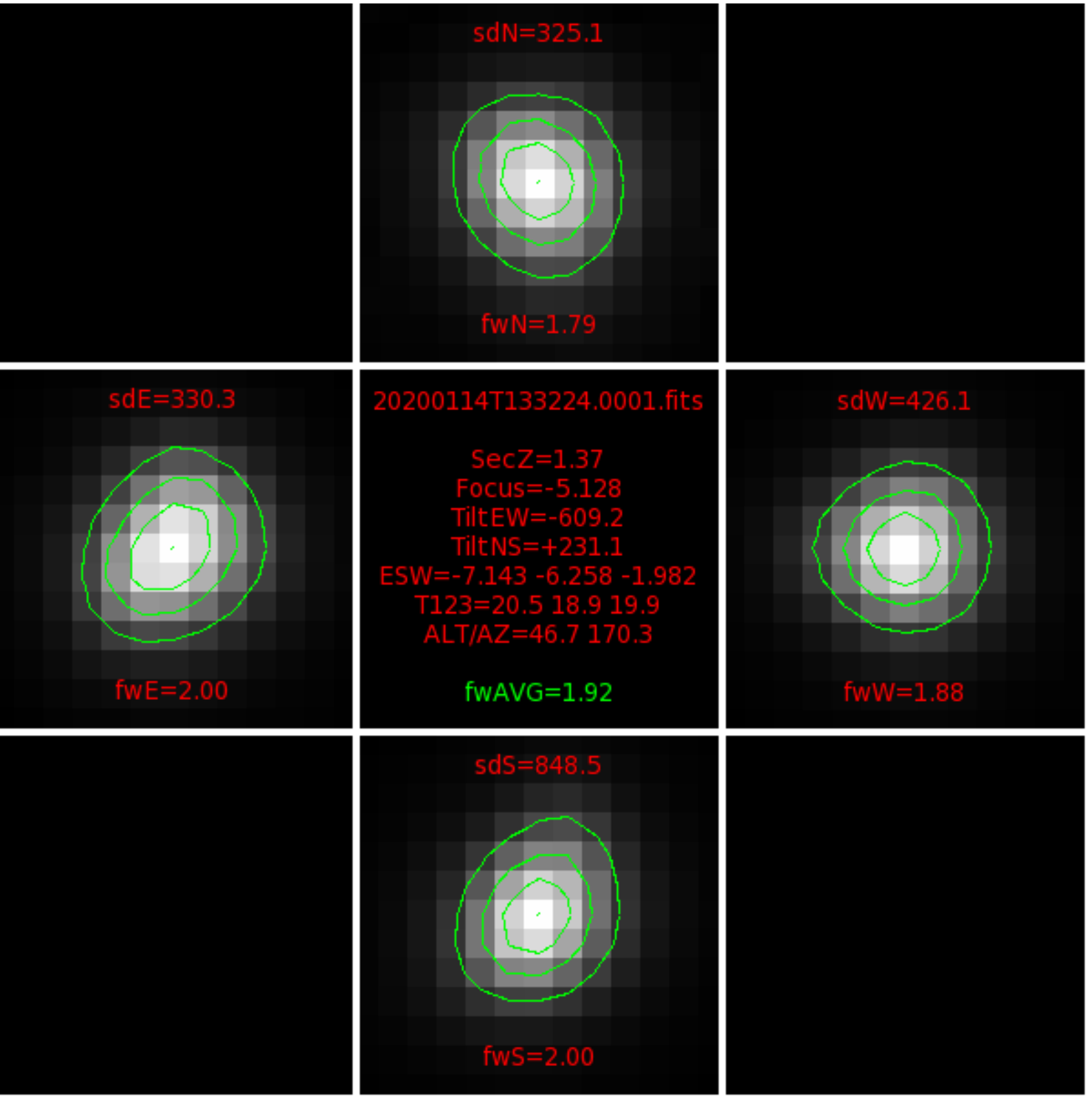
sdN=325.1
fwN=1.79
sdE=330.3
fwE=2.00
20200114T133224.0001.fits
SecZ=1.37
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.5 18.9 19.9
ALT/AZ=46.7 170.3
fwAVG=1.92
sdW=426.1
fwW=1.88
sdS=848.5
fwS=2.00
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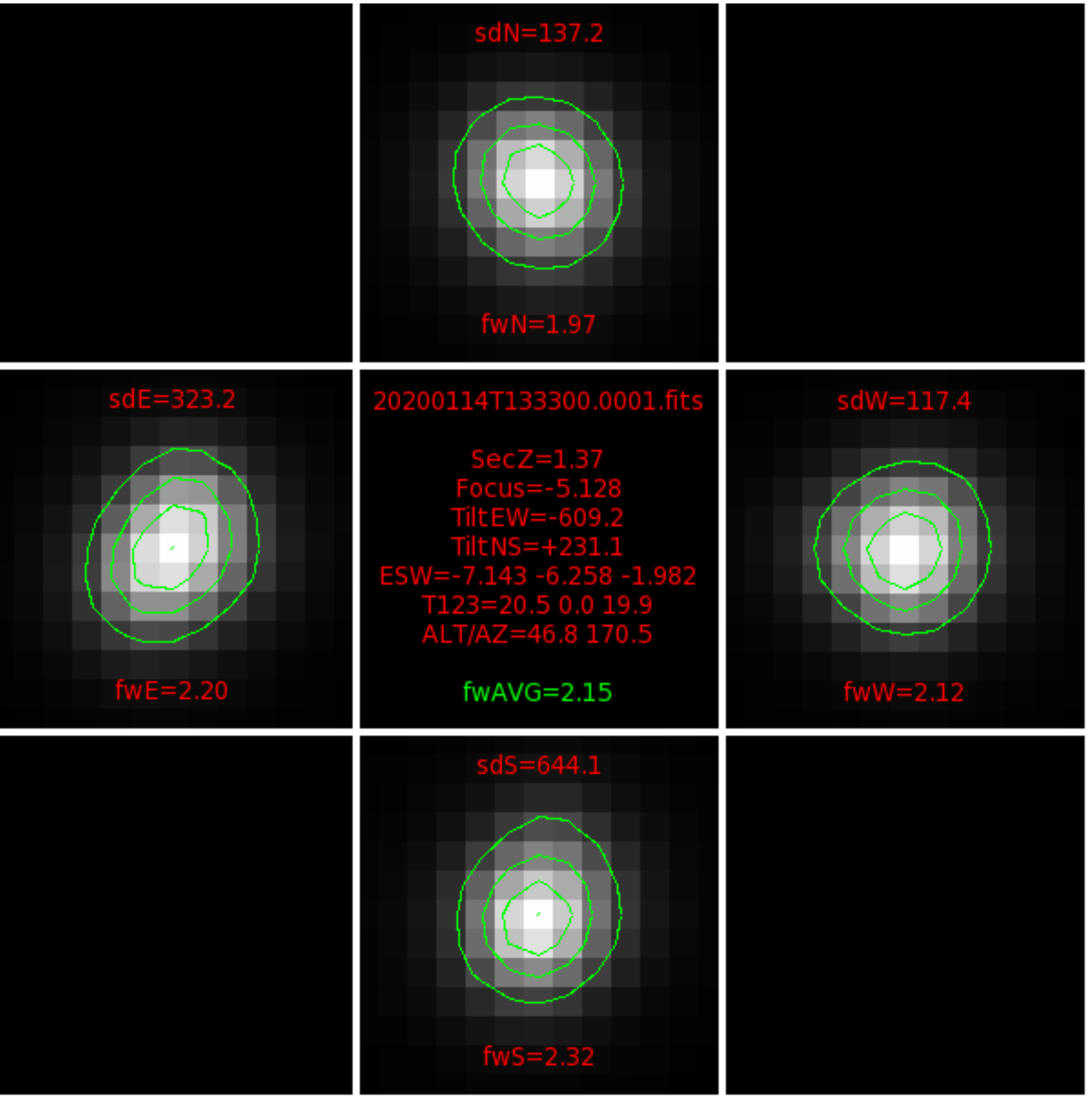
sdN=137.2
fwN=1.97
sdE=323.2
fwE=2.20
20200114T133300.0001.fits
SecZ=1.37
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.5 0.0 19.9
ALT/AZ=46.8 170.5
fwAVG=2.15
sdW=117.4
fwW=2.12
sdS=644.1
fwS=2.32
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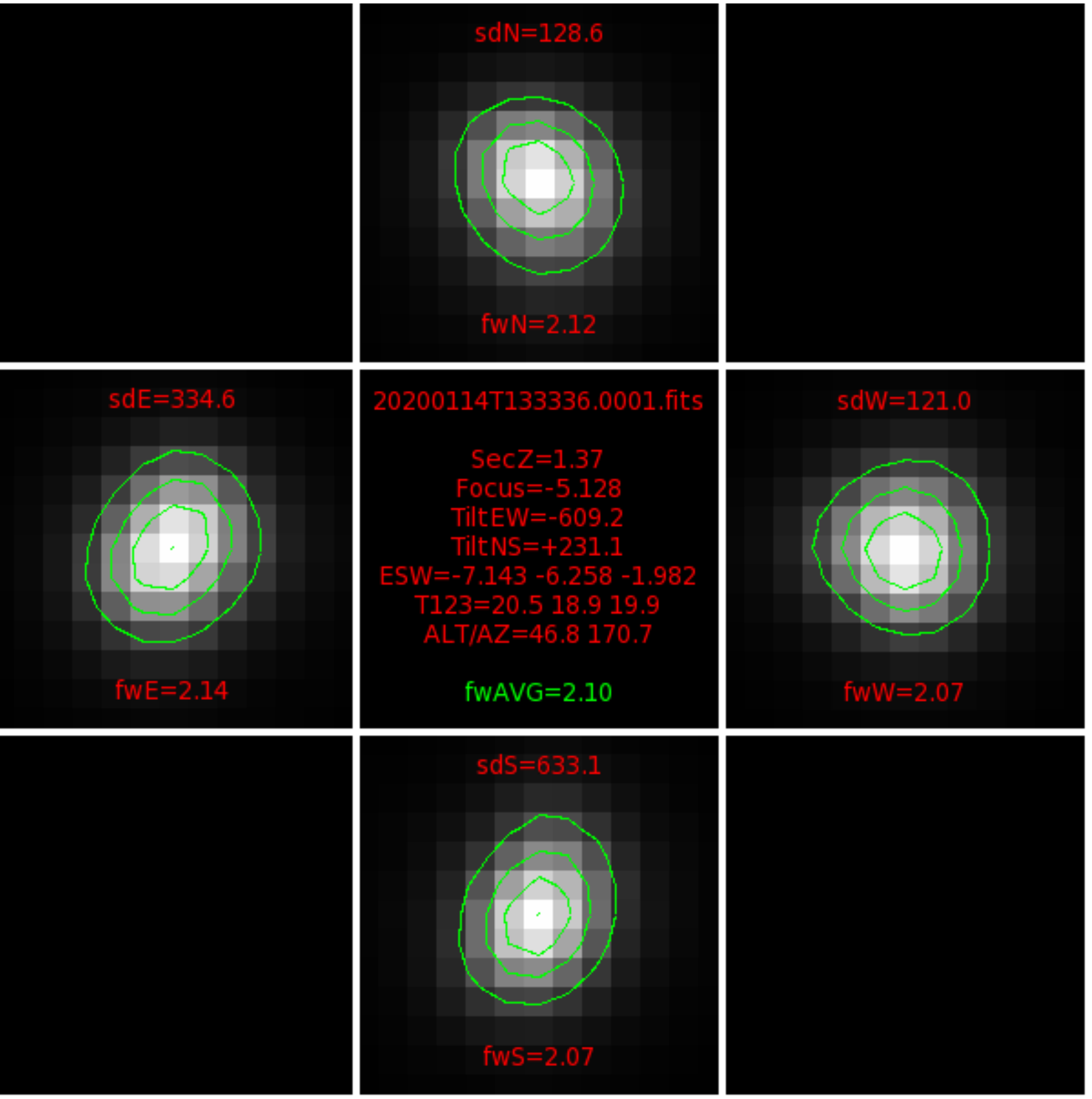
sdN=128.6
fwN=2.12
sdE=334.6
fwE=2.14
20200114T133336.0001.fits
SecZ=1.37
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.5 18.9 19.9
ALT/AZ=46.8 170.7
fwAVG=2.10
sdW=121.0
fwW=2.07
sdS=633.1
fwS=2.07
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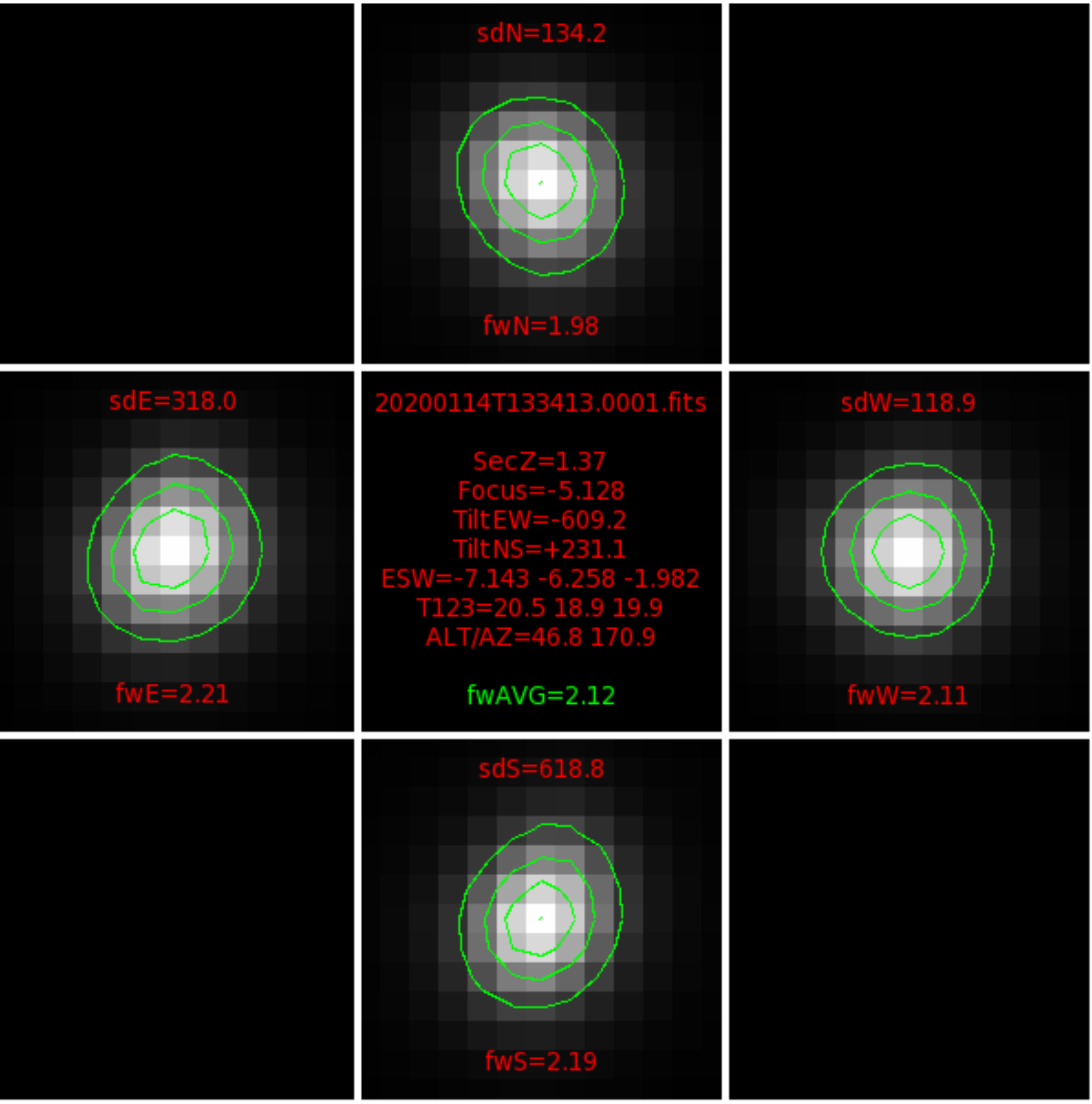
sdN=134.2
fwN=1.98
sdE=318.0
fwE=2.21
20200114T133413.0001.fits
SecZ=1.37
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.5 18.9 19.9
ALT/AZ=46.8 170.9
fwAVG=2.12
sdW=118.9
fwW=2.11
sdS=618.8
fwS=2.19
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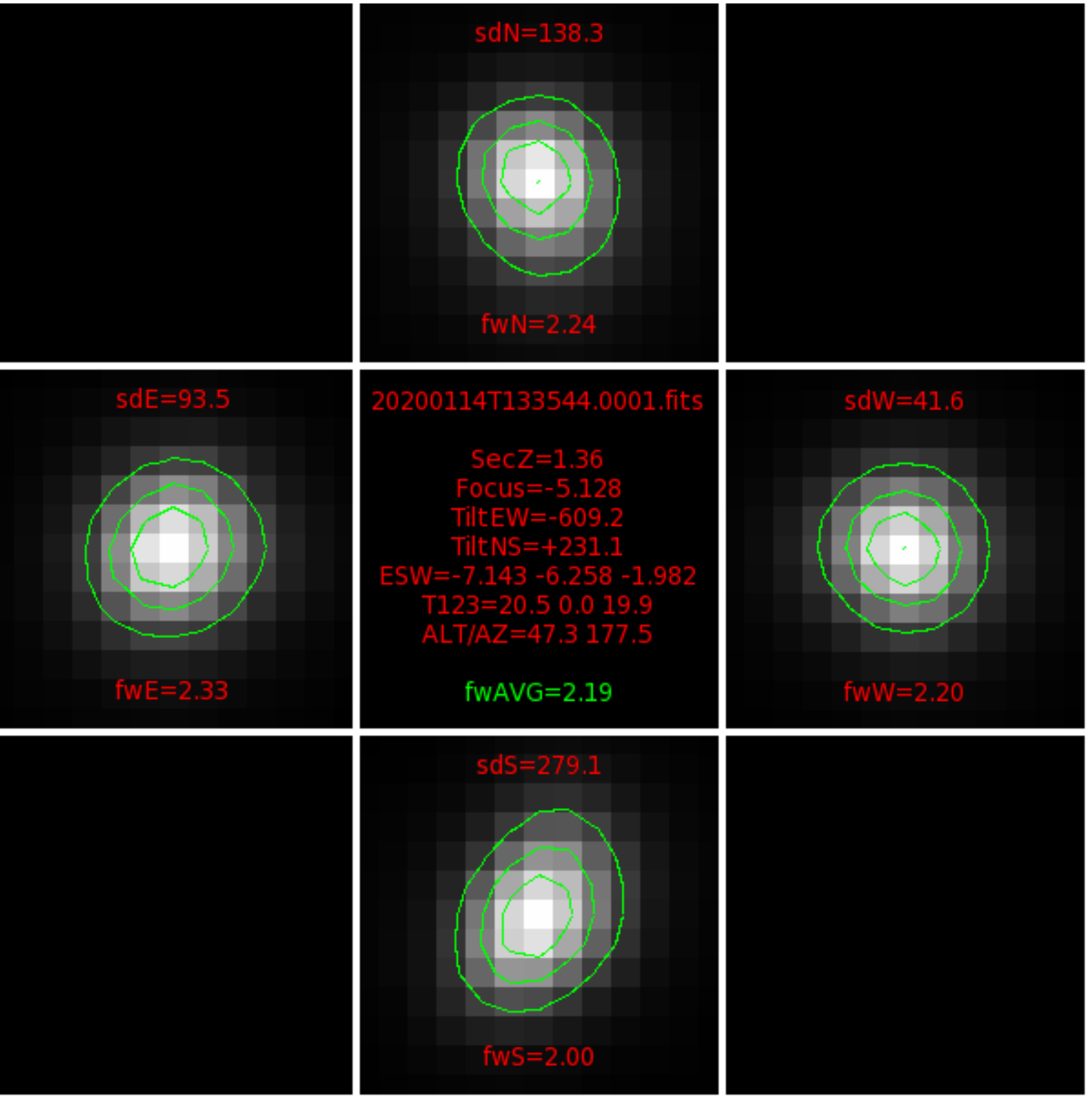
sdN=138.3
fwN=2.24
sdE=93.5
fwE=2.33
20200114T133544.0001.fits
SecZ=1.36
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.5 0.0 19.9
ALT/AZ=47.3 177.5
fwAVG=2.19
sdW=41.6
fwW=2.20
sdS=279.1
fwS=2.00
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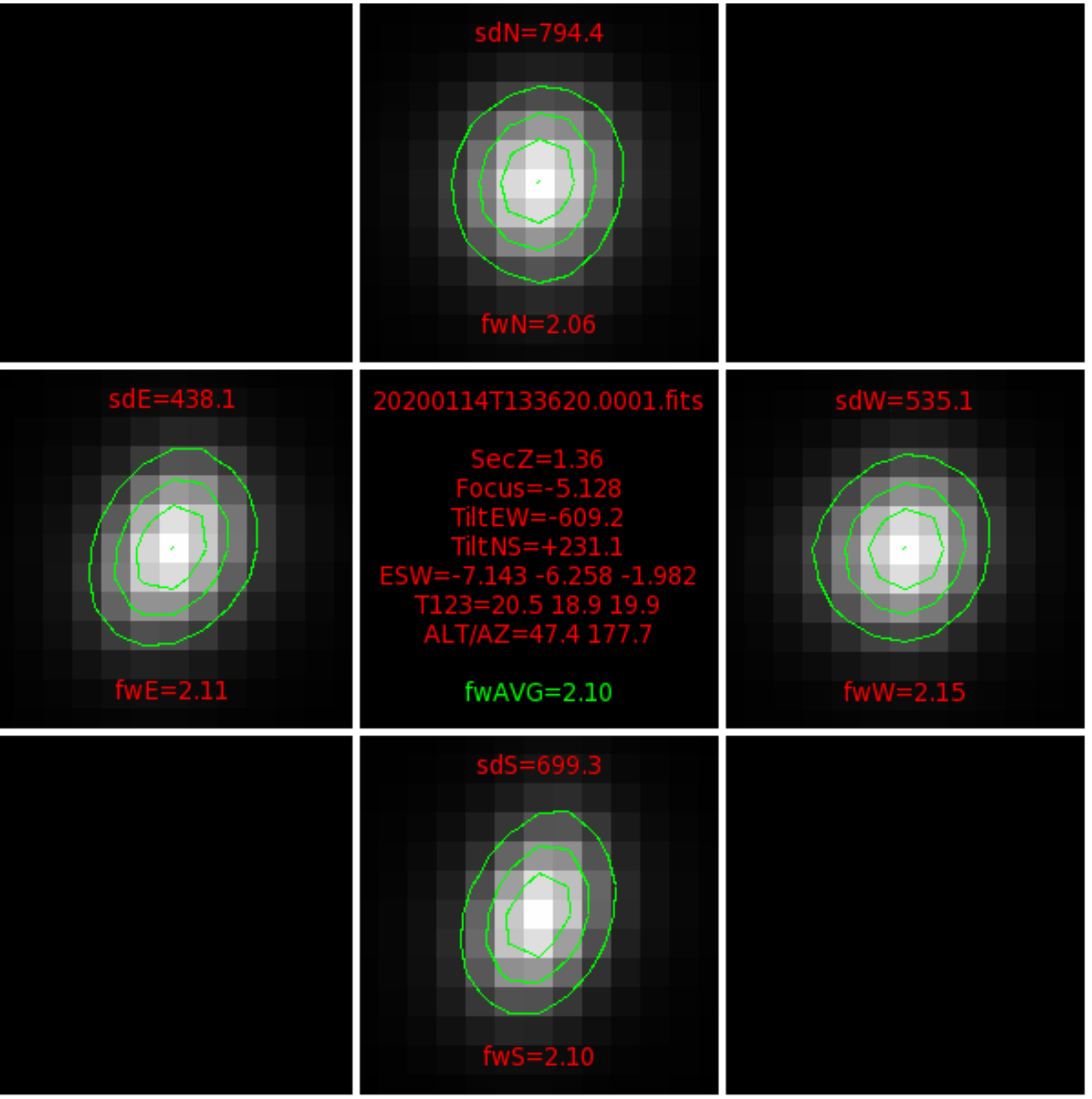
sdN=794.4
fwN=2.06
sdE=438.1
fwE=2.11
20200114T133620.0001.fits
SecZ=1.36
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.5 18.9 19.9
ALT/AZ=47.4 177.7
fwAVG=2.10
sdW=535.1
fwW=2.15
sdS=699.3
fwS=2.10
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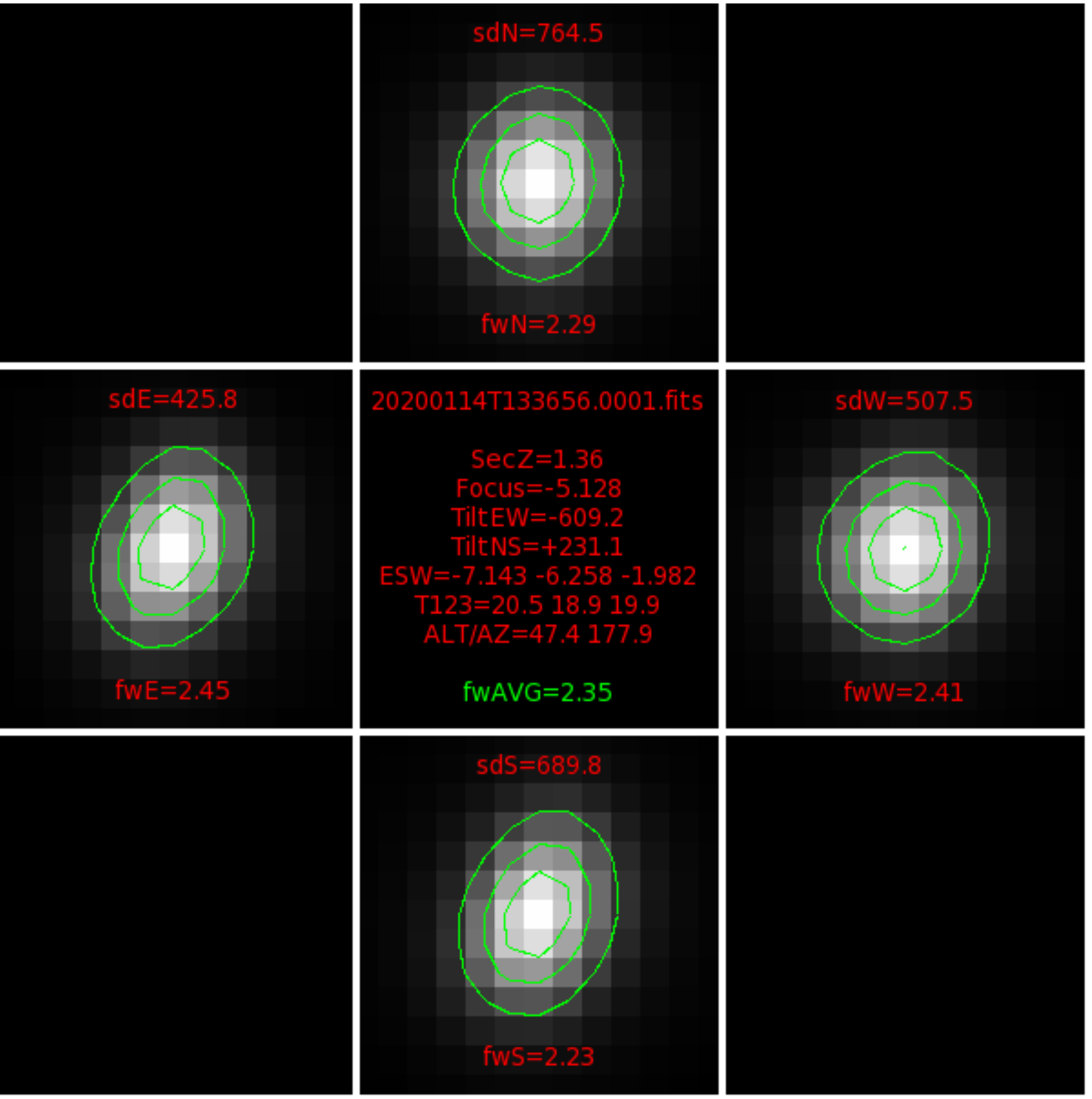
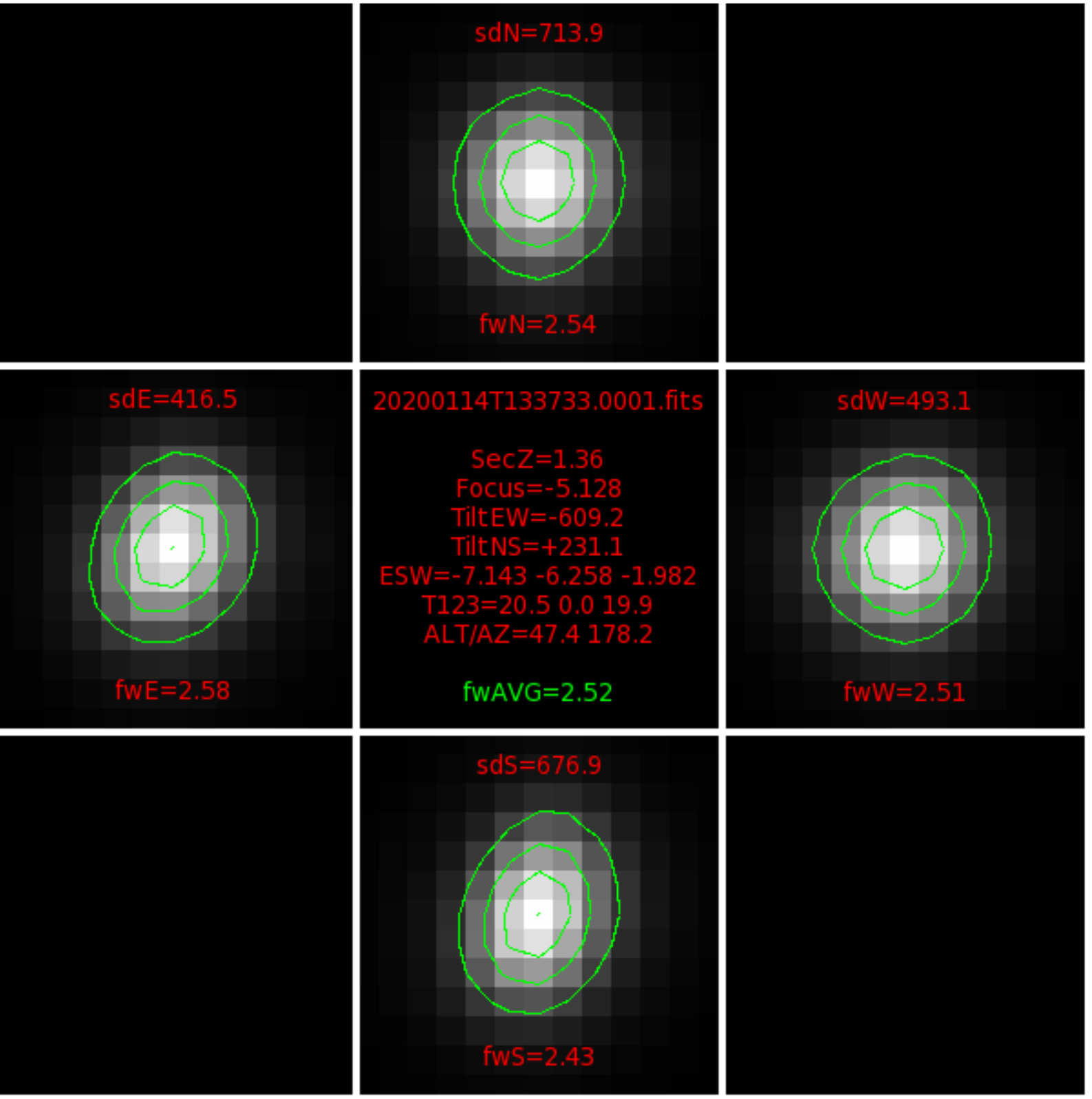

sdN=764.5
fwN=2.29
sdE=425.8
fwE=2.45
20200114T133656.0001.fits
SecZ=1.36
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.5 18.9 19.9
ALT/AZ=47.4 177.9
fwAVG=2.35
sdW=507.5
fwW=2.41
sdS=689.8
fwS=2.23
0 0 0 0 0 0 0 0 0


sdN=713.9
fwN=2.54
sdE=416.5
fwE=2.58
20200114T133733.0001.fits
SecZ=1.36
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.5 0.0 19.9
ALT/AZ=47.4 178.2
fwAVG=2.52
sdW=493.1
fwW=2.51
sdS=676.9
fwS=2.43
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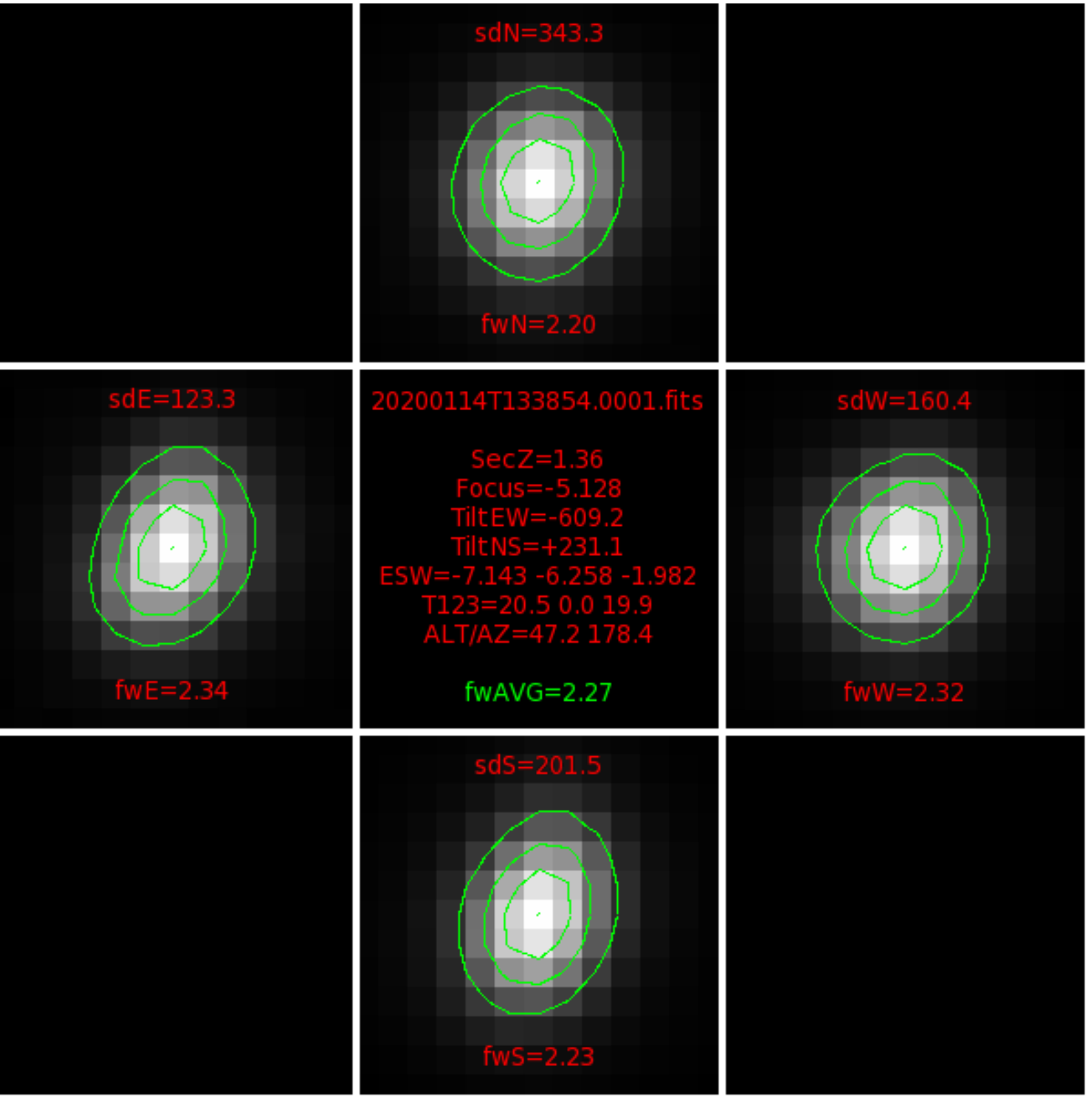
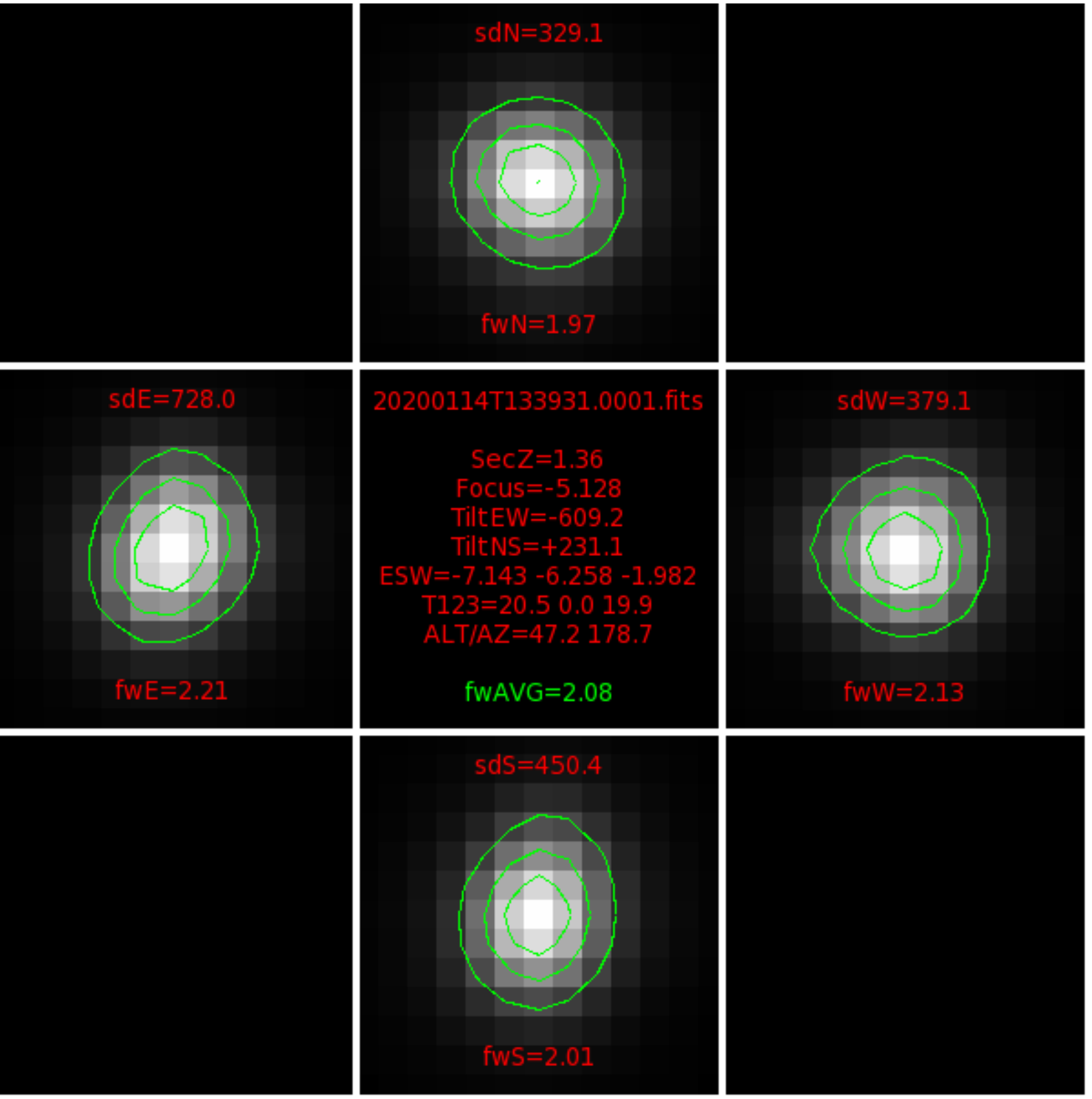
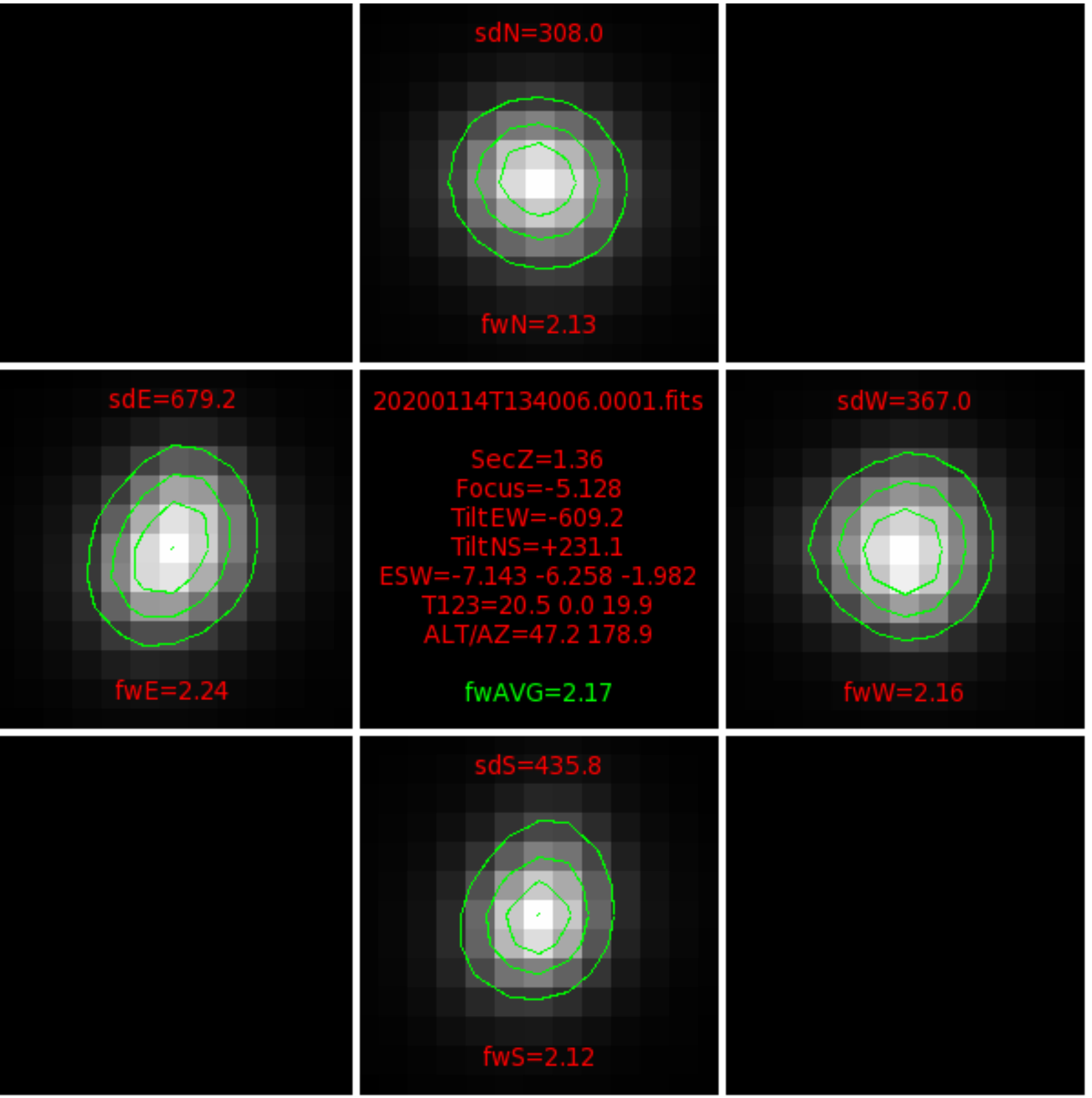
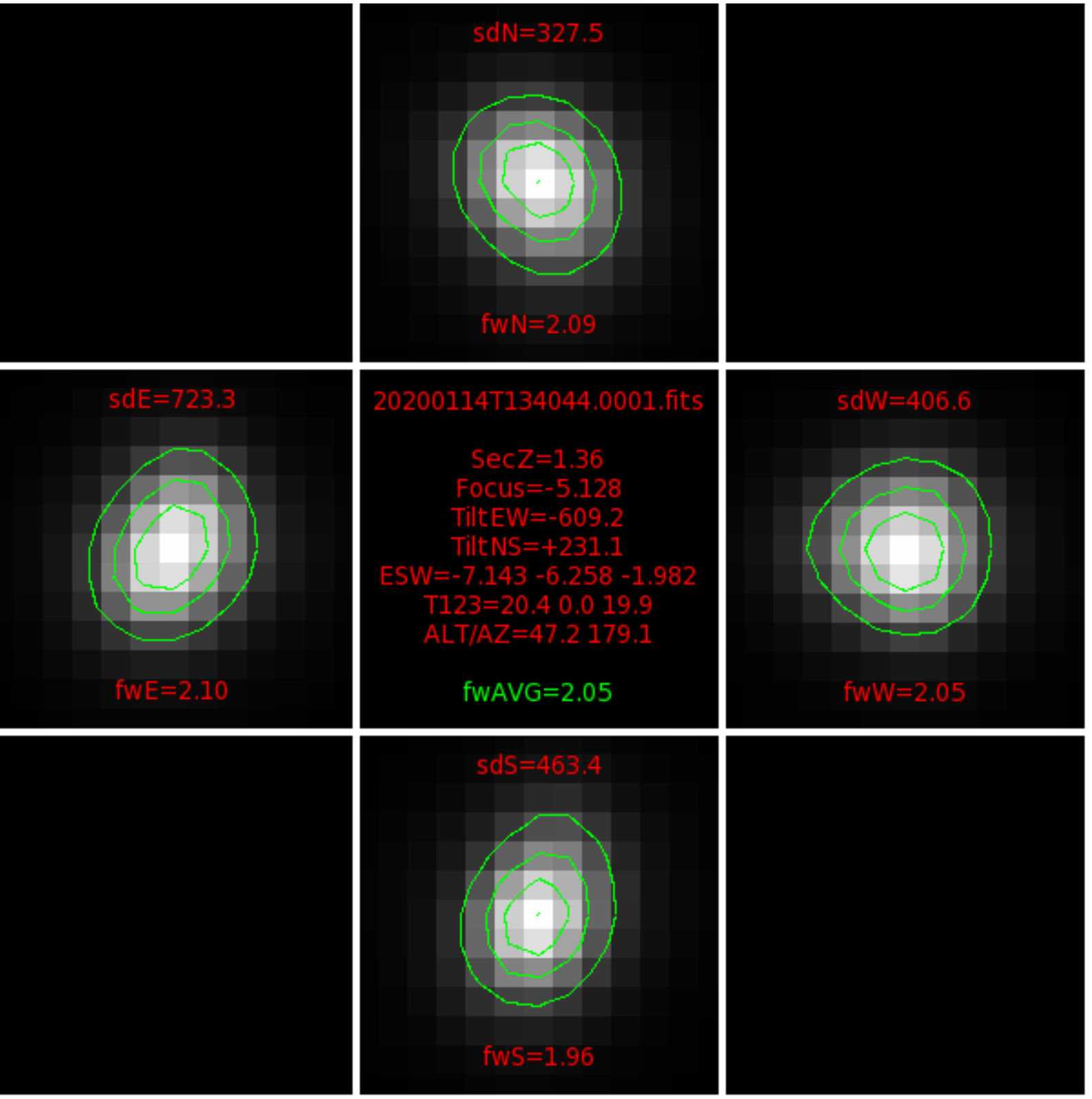

sdN=343.3
fwN=2.20
sdE=123.3
fwE=2.34
20200114T133854.0001.fits
SecZ=1.36
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.5 0.0 19.9
ALT/AZ=47.2 178.4
fwAVG=2.27
sdW=160.4
fwW=2.32
sdS=201.5
fwS=2.23
0 0 0 0 0 0 0 0 0


sdN=329.1
fwN=1.97
sdE=728.0
fwE=2.21
20200114T133931.0001.fits
SecZ=1.36
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.5 0.0 19.9
ALT/AZ=47.2 178.7
fwAVG=2.08
sdW=379.1
fwW=2.13
sdS=450.4
fwS=2.01
0 0 0 0 0 0 0 0 0


sdN=308.0
fwN=2.13
sdE=679.2
fwE=2.24
20200114T134006.0001.fits
SecZ=1.36
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.5 0.0 19.9
ALT/AZ=47.2 178.9
fwAVG=2.17
sdW=367.0
fwW=2.16
sdS=435.8
fwS=2.12
0 0 0 0 0 0 0 0 0


sdN=327.5
fwN=2.09
sdE=723.3
fwE=2.10
20200114T134044.0001.fits
SecZ=1.36
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.4 0.0 19.9
ALT/AZ=47.2 179.1
fwAVG=2.05
sdW=406.6
fwW=2.05
sdS=463.4
fwS=1.96
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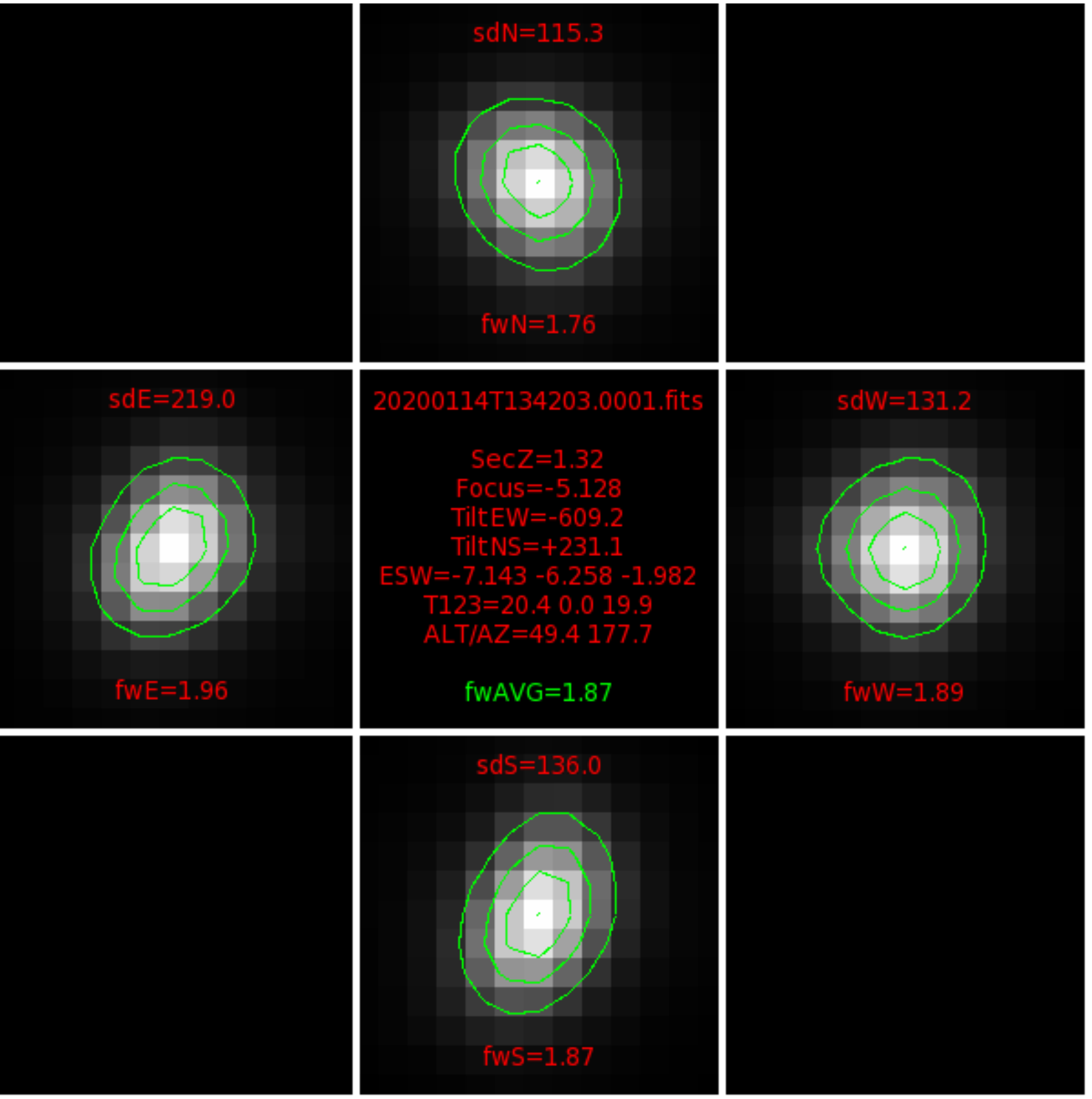
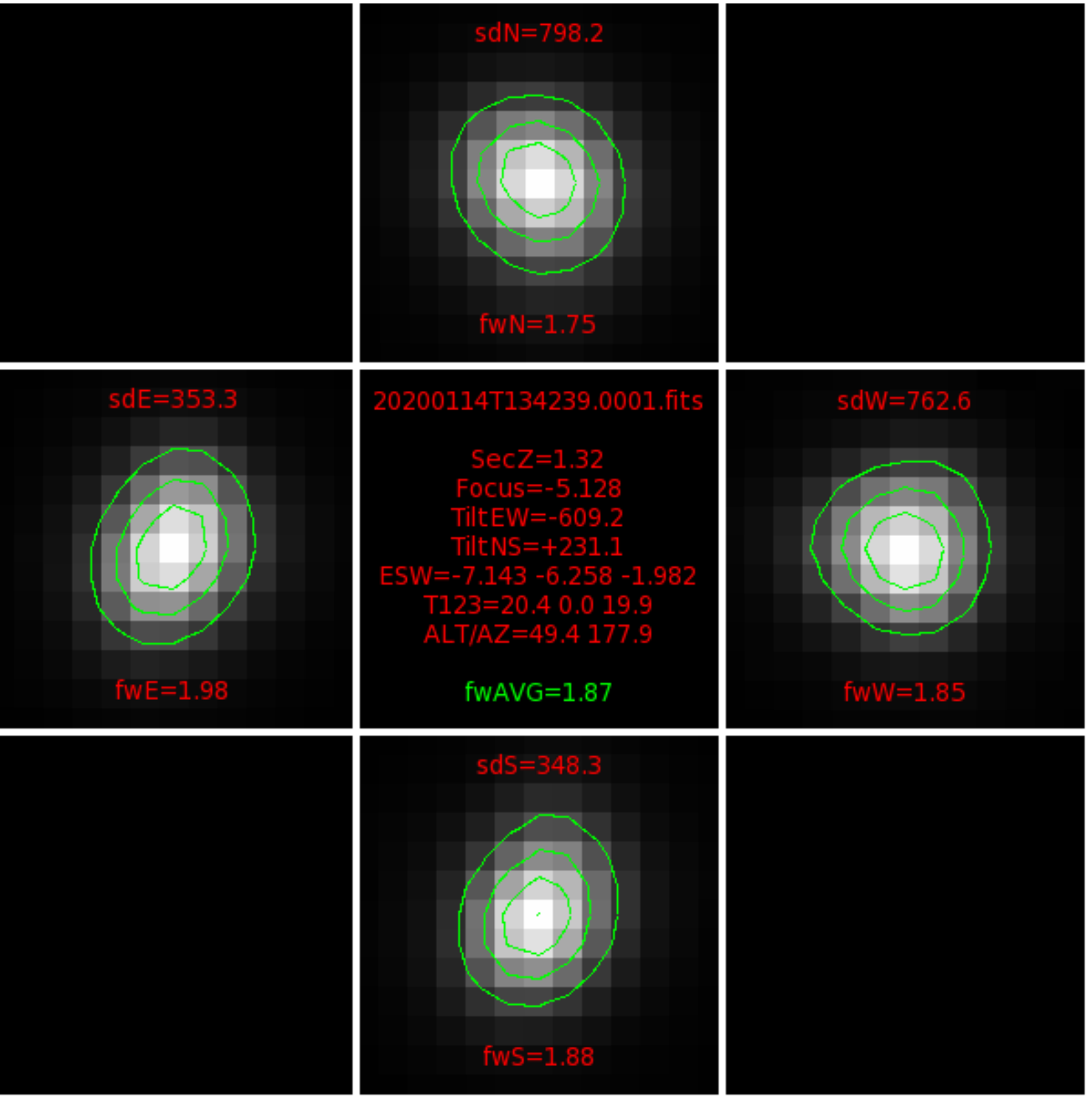

sdN=115.3
fwN=1.76
sdE=219.0
fwE=1.96
20200114T134203.0001.fits
SecZ=1.32
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.4 0.0 19.9
ALT/AZ=49.4 177.7
fwAVG=1.87
sdW=131.2
fwW=1.89
sdS=136.0
fwS=1.87
0 0 0 0 0 0 0 0 0


sdN=798.2
fwN=1.75
sdE=353.3
fwE=1.98
20200114T134239.0001.fits
SecZ=1.32
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.4 0.0 19.9
ALT/AZ=49.4 177.9
fwAVG=1.87
sdW=762.6
fwW=1.85
sdS=348.3
fwS=1.88
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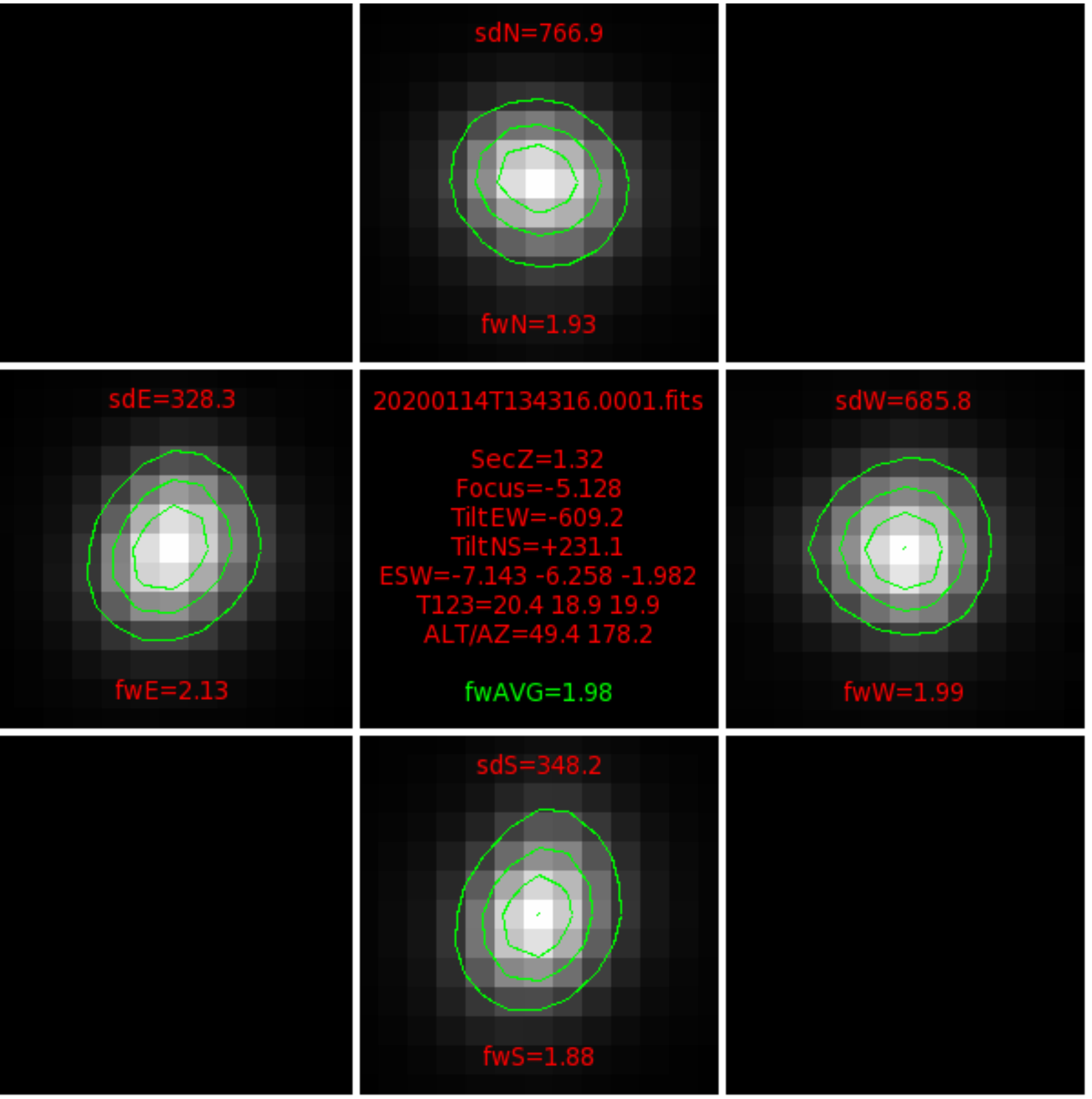
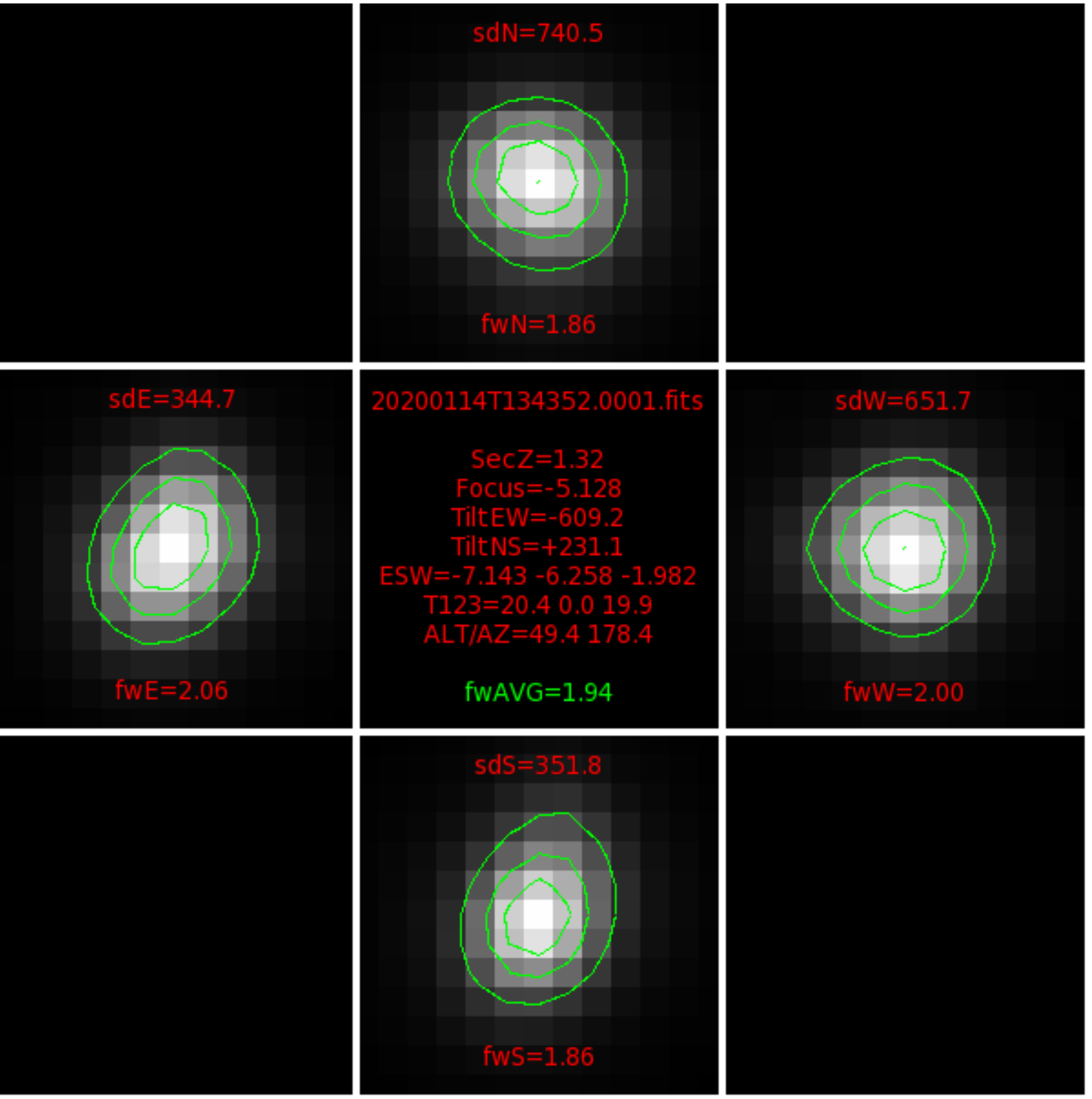

sdN=766.9
fwN=1.93
sdE=328.3
fwE=2.13
20200114T134316.0001.fits
SecZ=1.32
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.4 18.9 19.9
ALT/AZ=49.4 178.2
fwAVG=1.98
sdW=685.8
fwW=1.99
sdS=348.2
fwS=1.88
0 0 0 0 0 0 0 0 0


sdN=740.5
fwN=1.86
sdE=344.7
fwE=2.06
20200114T134352.0001.fits
SecZ=1.32
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.4 0.0 19.9
ALT/AZ=49.4 178.4
fwAVG=1.94
sdW=651.7
fwW=2.00
sdS=351.8
fwS=1.86
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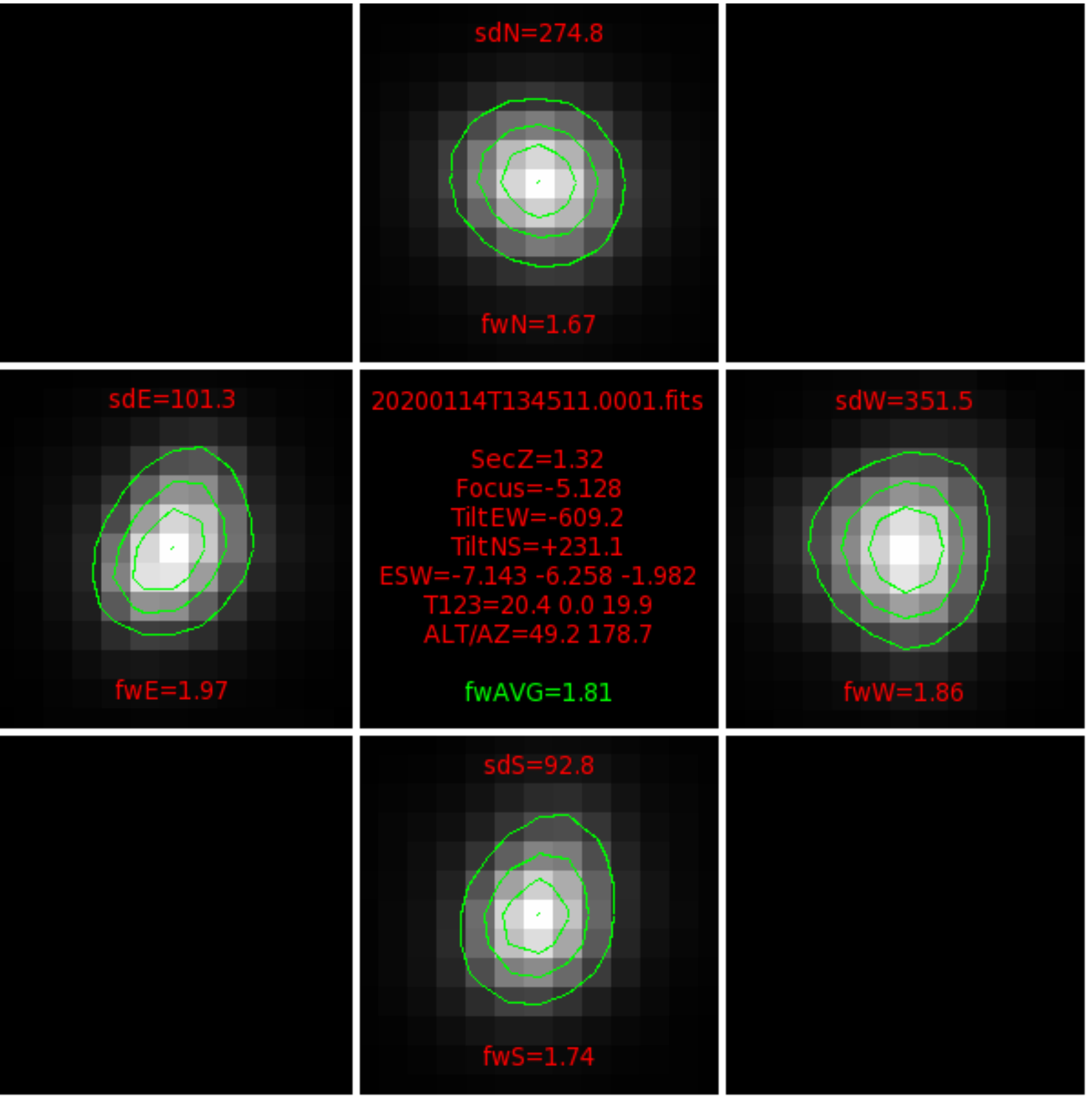
sdN=274.8
fwN=1.67
sdE=101.3
fwE=1.97
20200114T134511.0001.fits
SecZ=1.32
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.4 0.0 19.9
ALT/AZ=49.2 178.7
fwAVG=1.81
sdW=351.5
fwW=1.86
sdS=92.8
fwS=1.74
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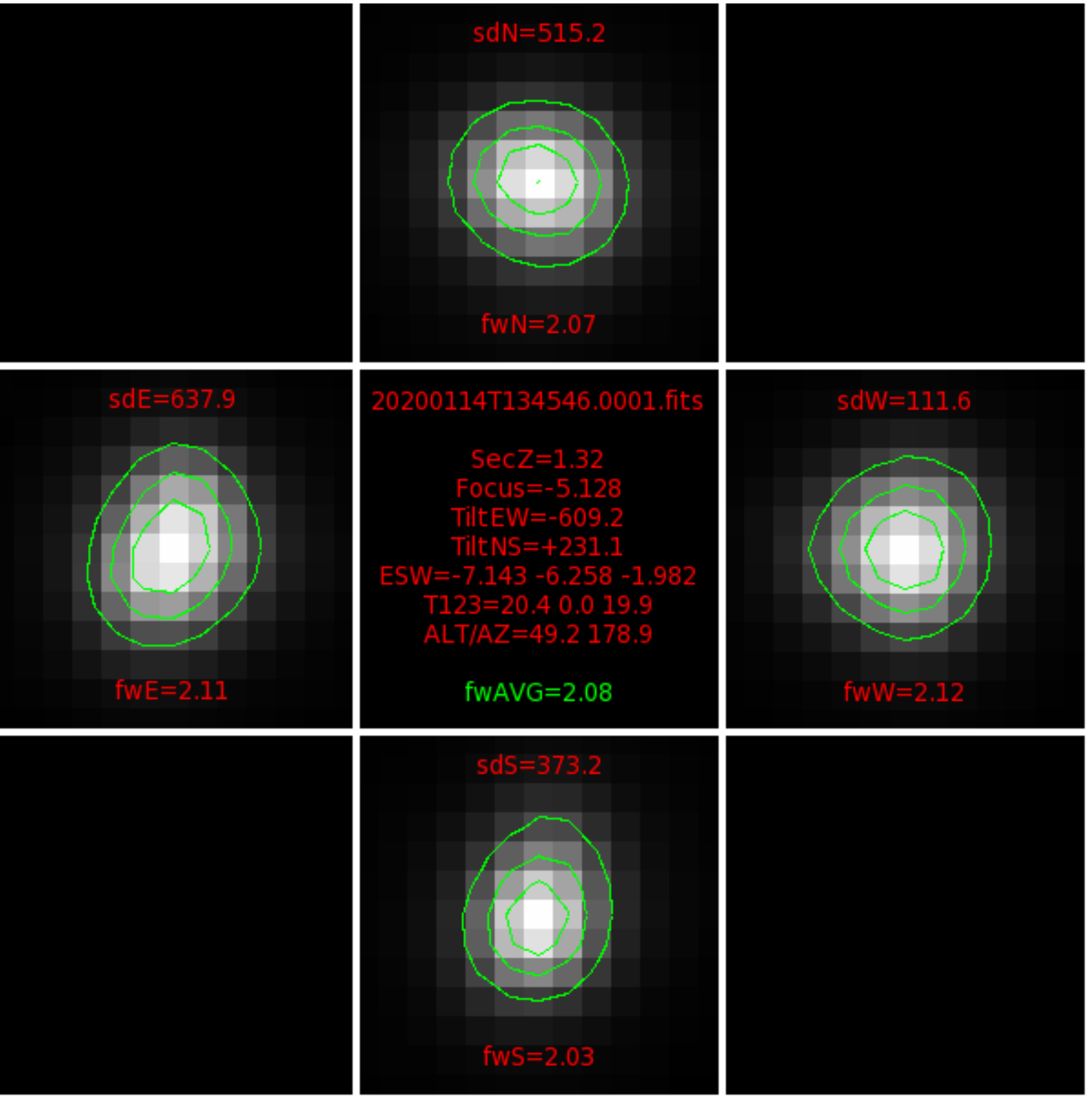
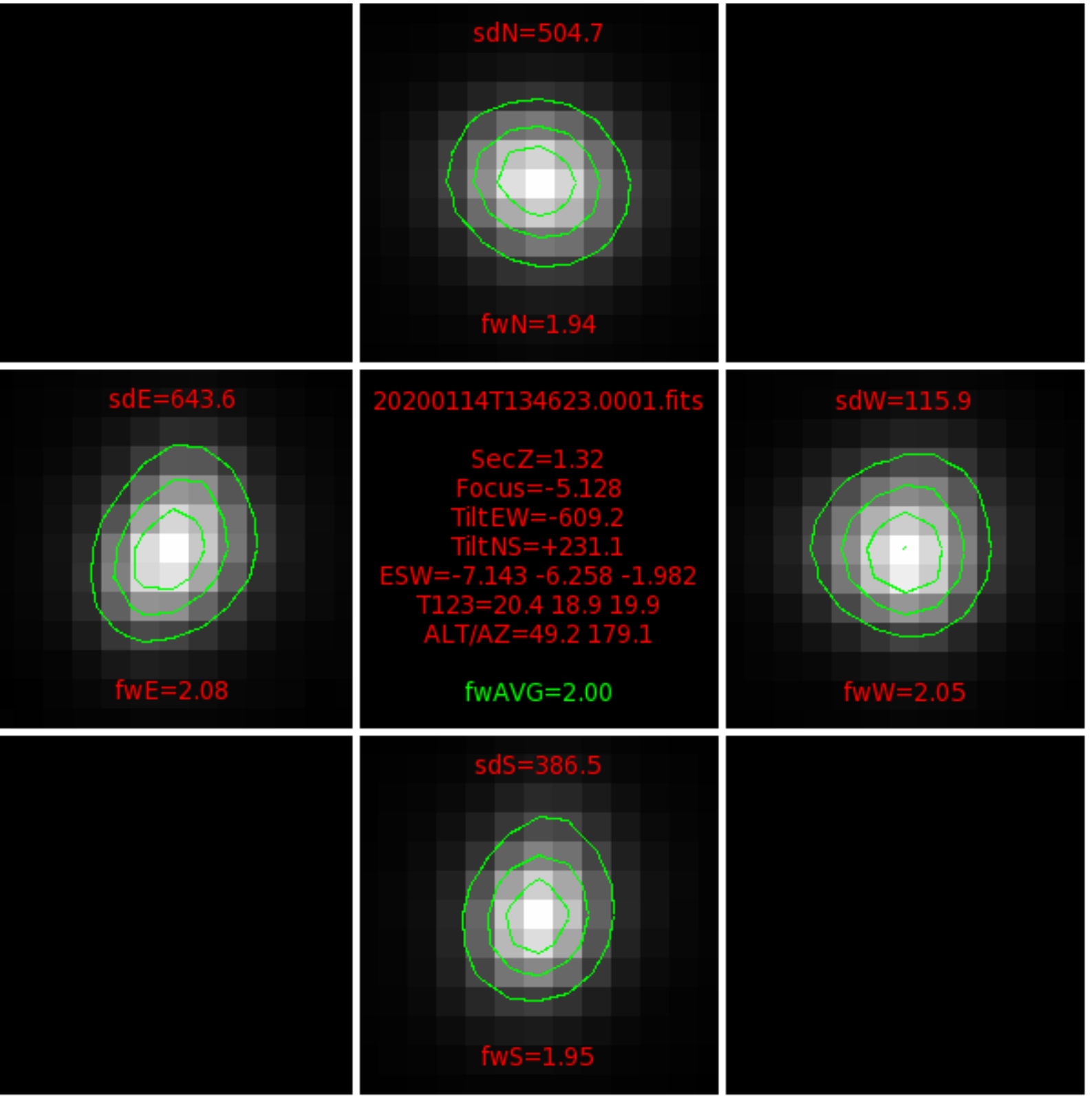

sdN=515.2
fwN=2.07
sdE=637.9
fwE=2.11
20200114T134546.0001.fits
SecZ=1.32
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.4 0.0 19.9
ALT/AZ=49.2 178.9
fwAVG=2.08
sdW=111.6
fwW=2.12
sdS=373.2
fwS=2.03
0 0 0 0 0 0 0 0 0


sdN=504.7
fwN=1.94
sdE=643.6
fwE=2.08
20200114T134623.0001.fits
SecZ=1.32
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.4 18.9 19.9
ALT/AZ=49.2 179.1
fwAVG=2.00
sdW=115.9
fwW=2.05
sdS=386.5
fwS=1.95
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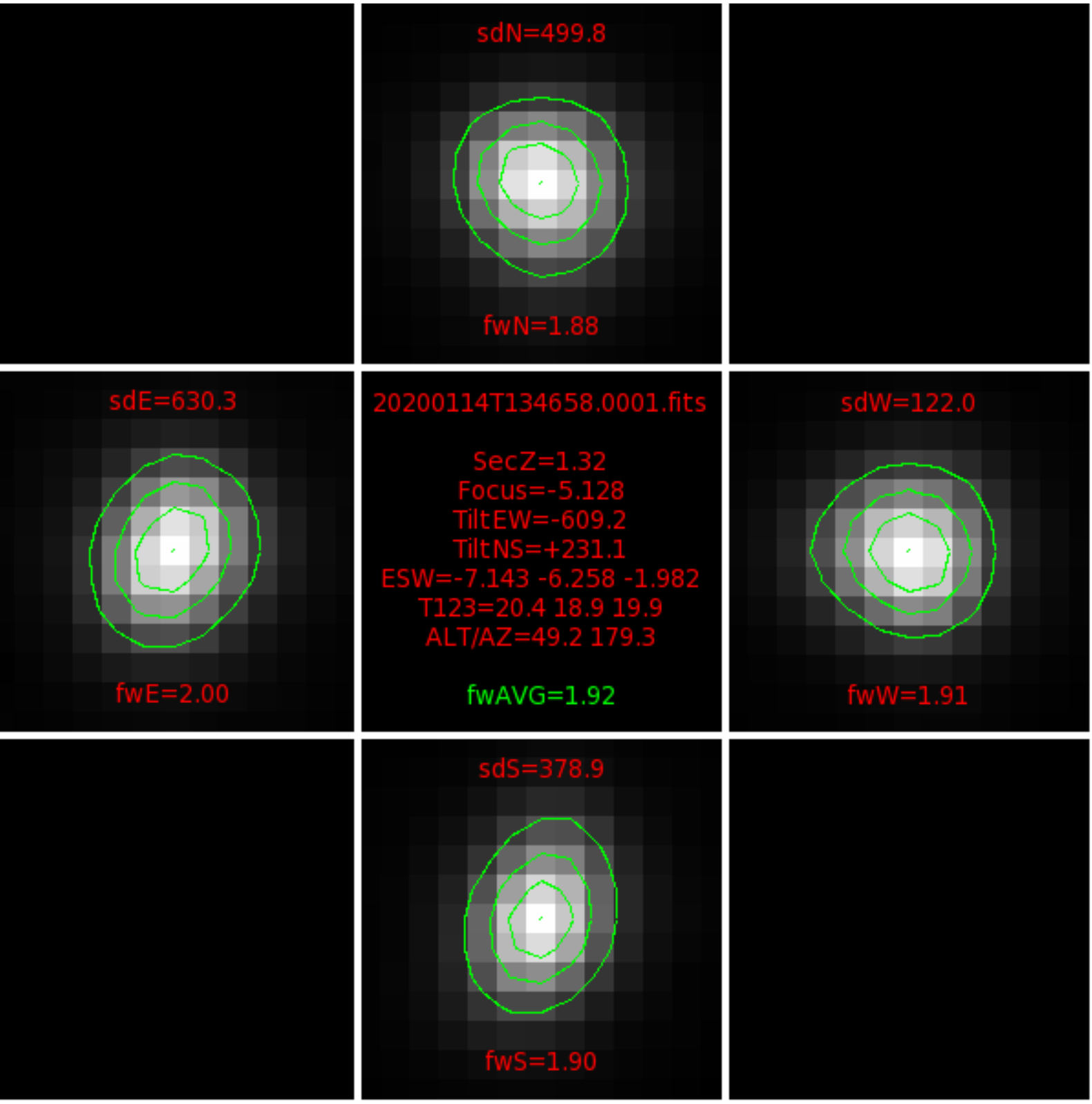
sdN=499.8
fwN=1.88
sdE=630.3
fwE=2.00
20200114T134658.0001.fits
SecZ=1.32
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.4 18.9 19.9
ALT/AZ=49.2 179.3
fwAVG=1.92
sdW=122.0
fwW=1.91
sdS=378.9
fwS=1.90
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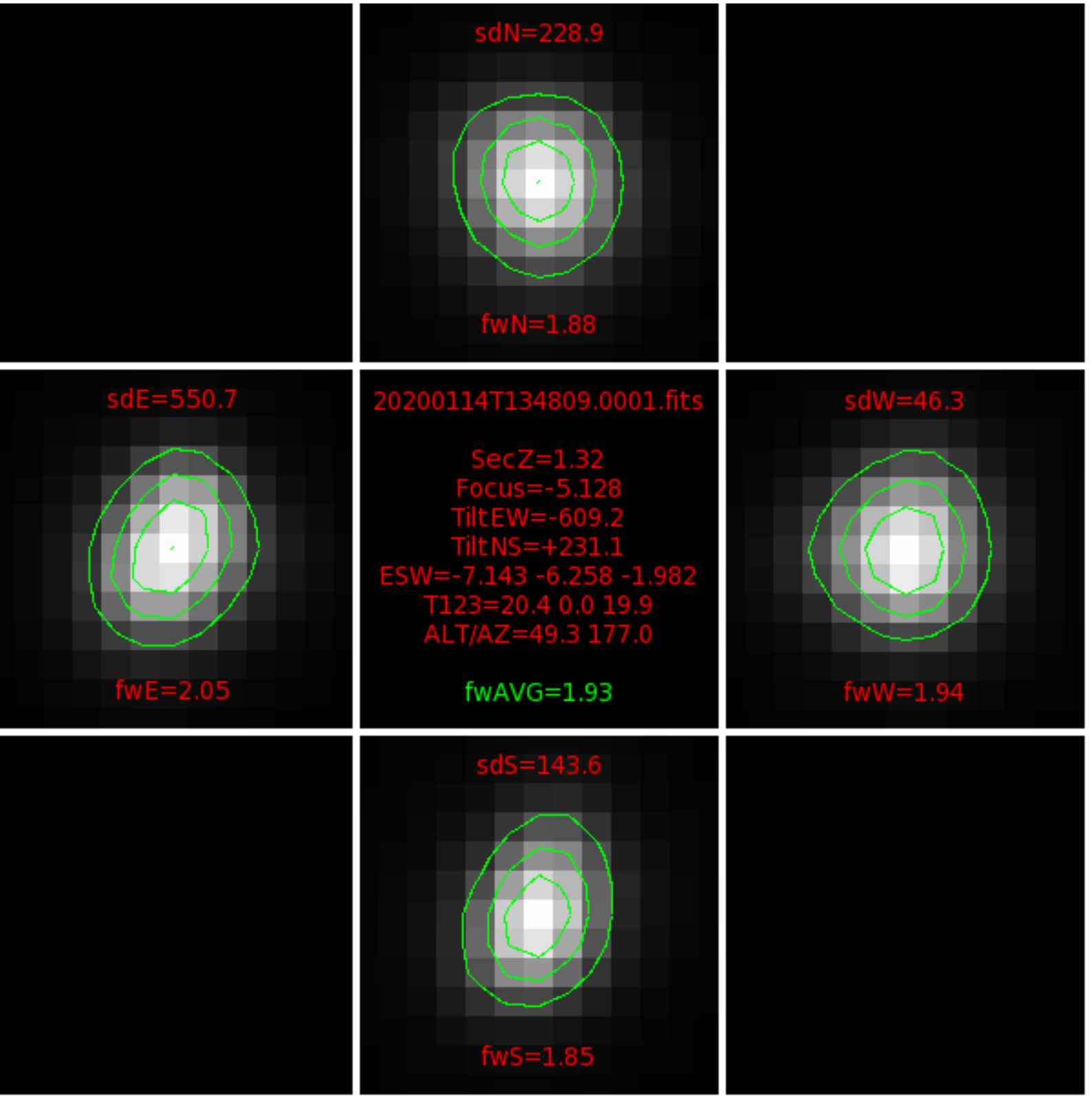
sdN=228.9
fwN=1.88
sdE=550.7
fwE=2.05
20200114T134809.0001.fits
SecZ=1.32
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.4 0.0 19.9
ALT/AZ=49.3 177.0
fwAVG=1.93
sdW=46.3
fwW=1.94
sdS=143.6
fwS=1.85
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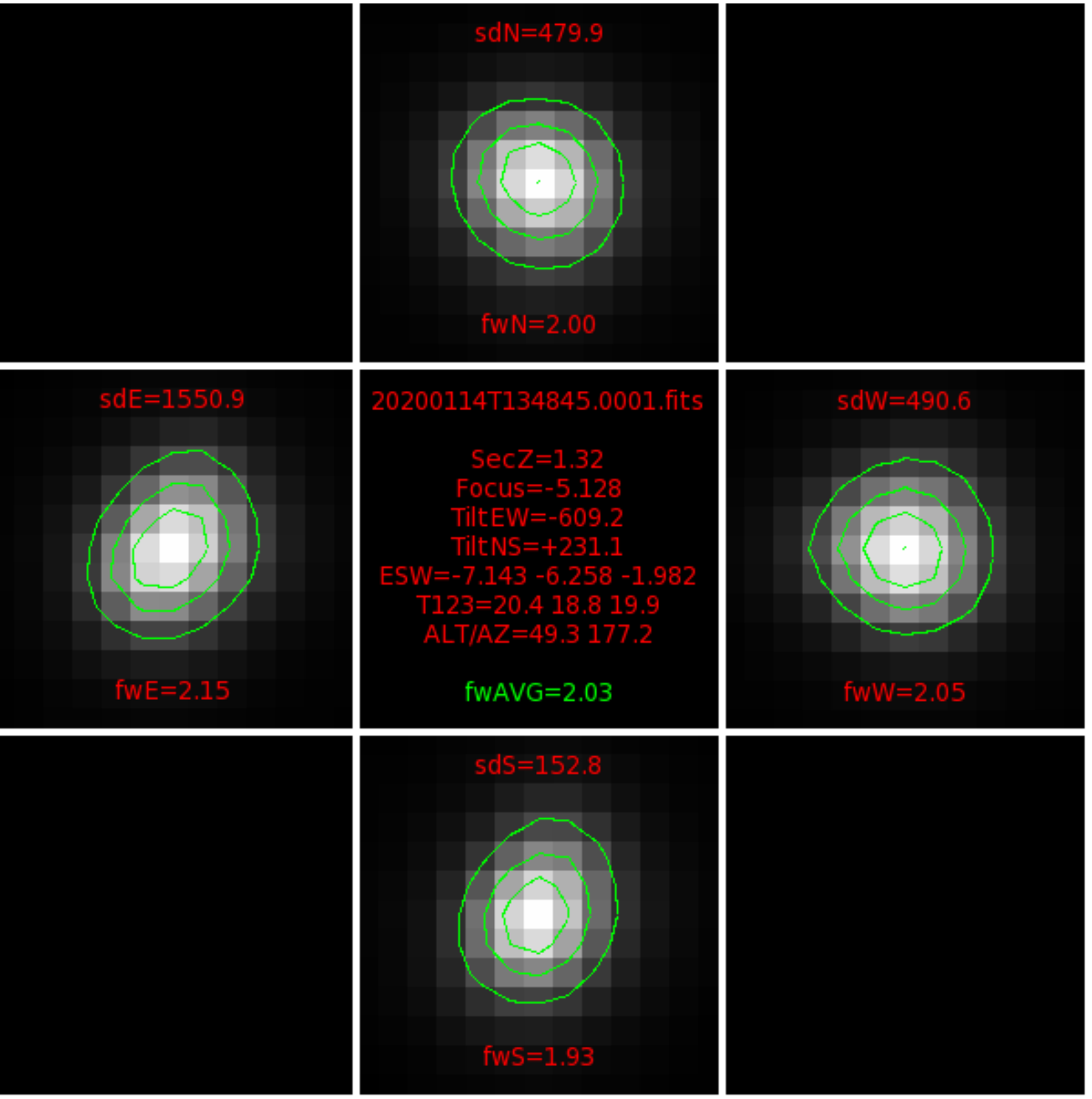
sdN=479.9
fwN=2.00
sdE=1550.9
fwE=2.15
20200114T134845.0001.fits
SecZ=1.32
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.4 18.8 19.9
ALT/AZ=49.3 177.2
fwAVG=2.03
sdW=490.6
fwW=2.05
sdS=152.8
fwS=1.93
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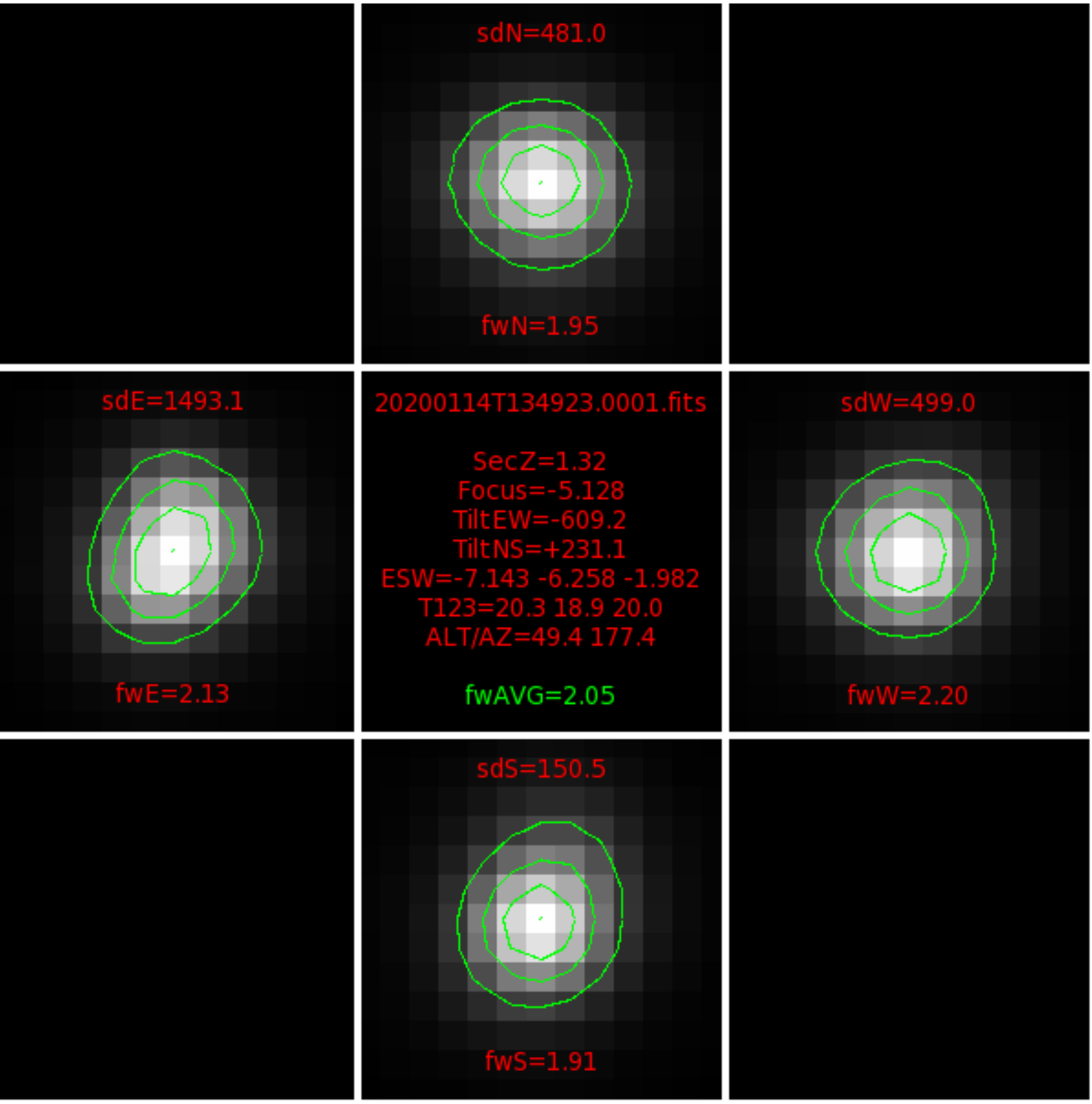
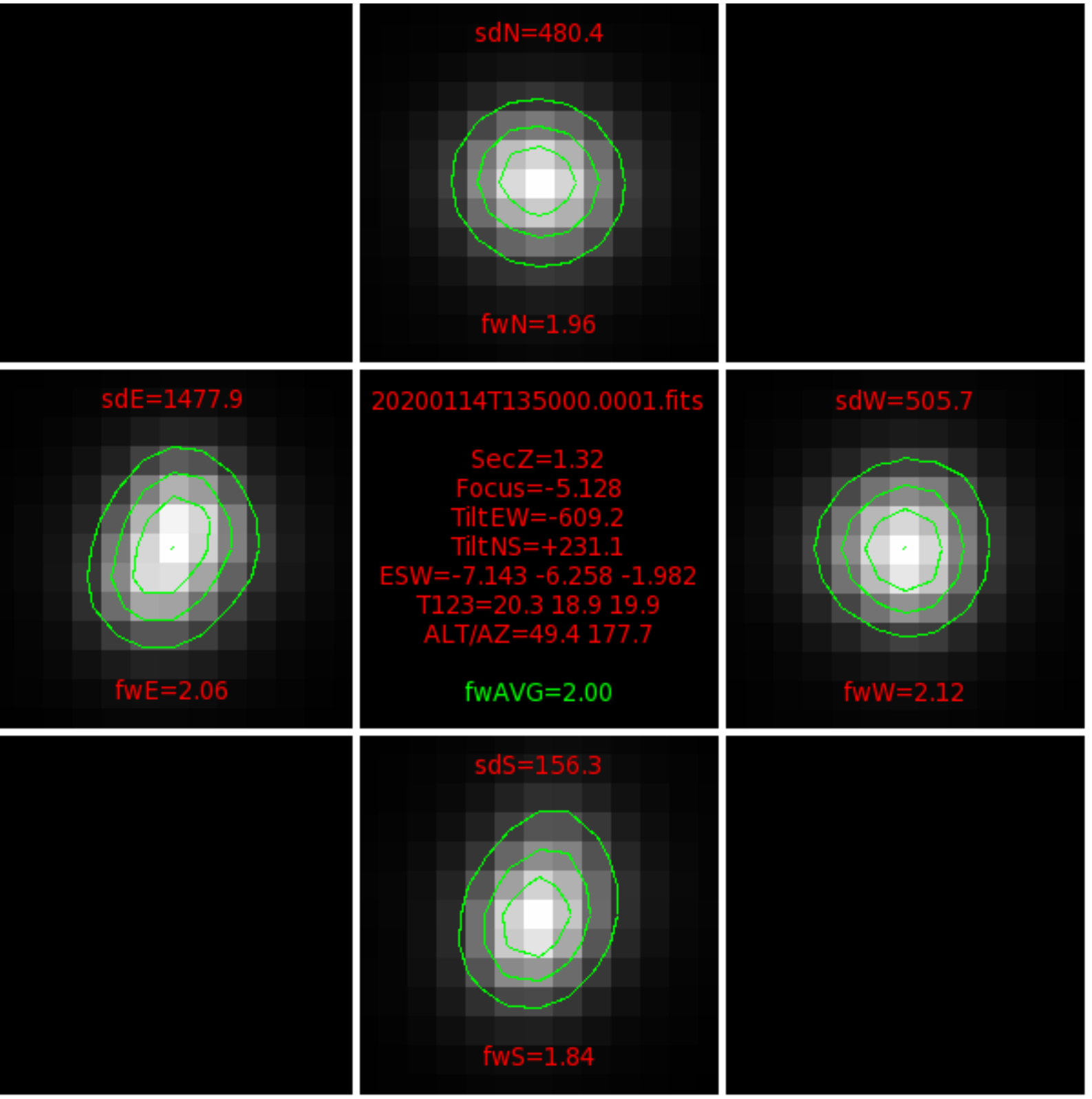

sdN=481.0
fwN=1.95
sdE=1493.1
fwE=2.13
20200114T134923.0001.fits
SecZ=1.32
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.3 18.9 20.0
ALT/AZ=49.4 177.4
fwAVG=2.05
sdW=499.0
fwW=2.20
sdS=150.5
fwS=1.91
0 0 0 0 0 0 0 0 0


sdN=480.4
fwN=1.96
sdE=1477.9
fwE=2.06
20200114T135000.0001.fits
SecZ=1.32
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.3 18.9 19.9
ALT/AZ=49.4 177.7
fwAVG=2.00
sdW=505.7
fwW=2.12
sdS=156.3
fwS=1.84
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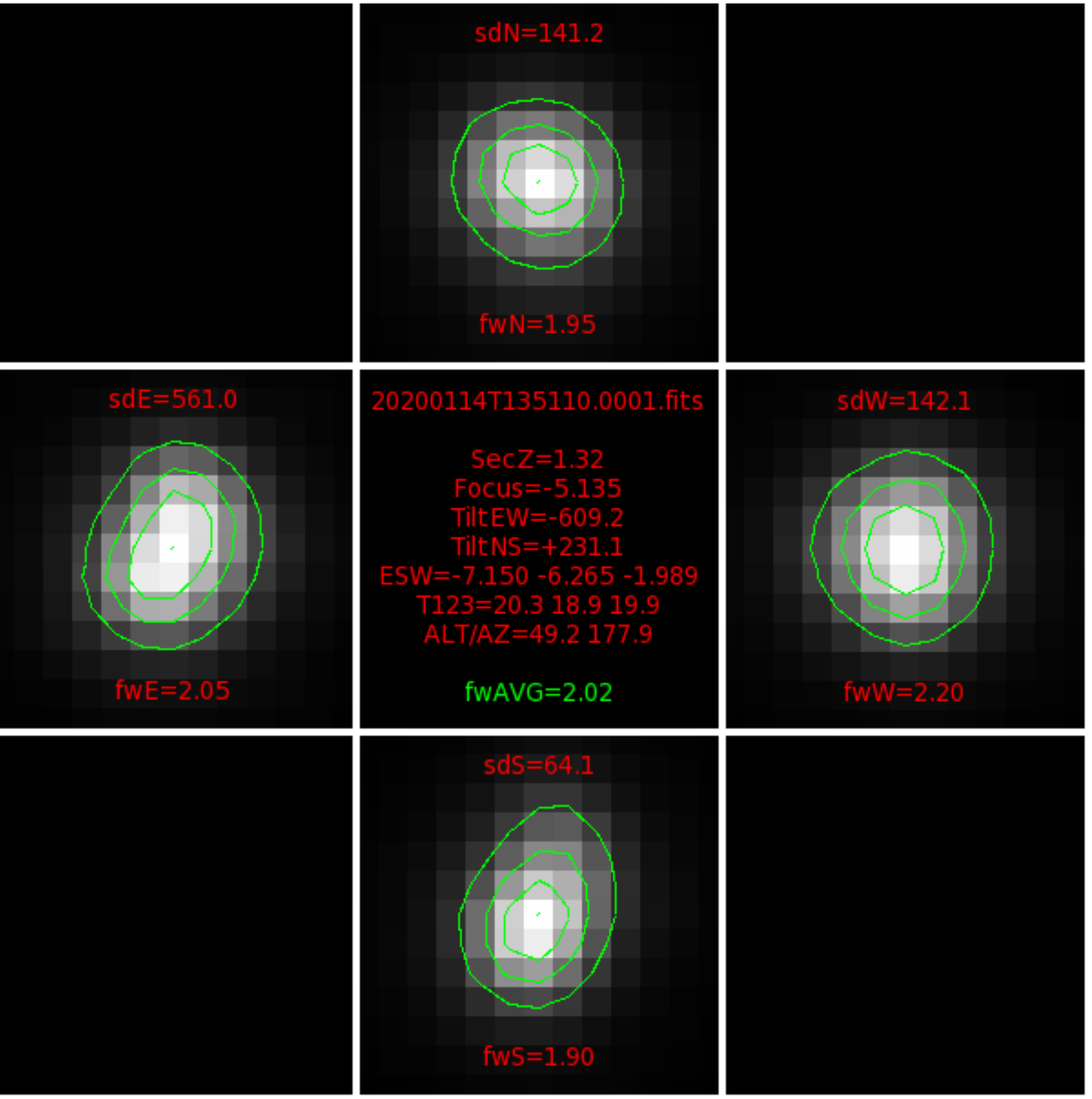
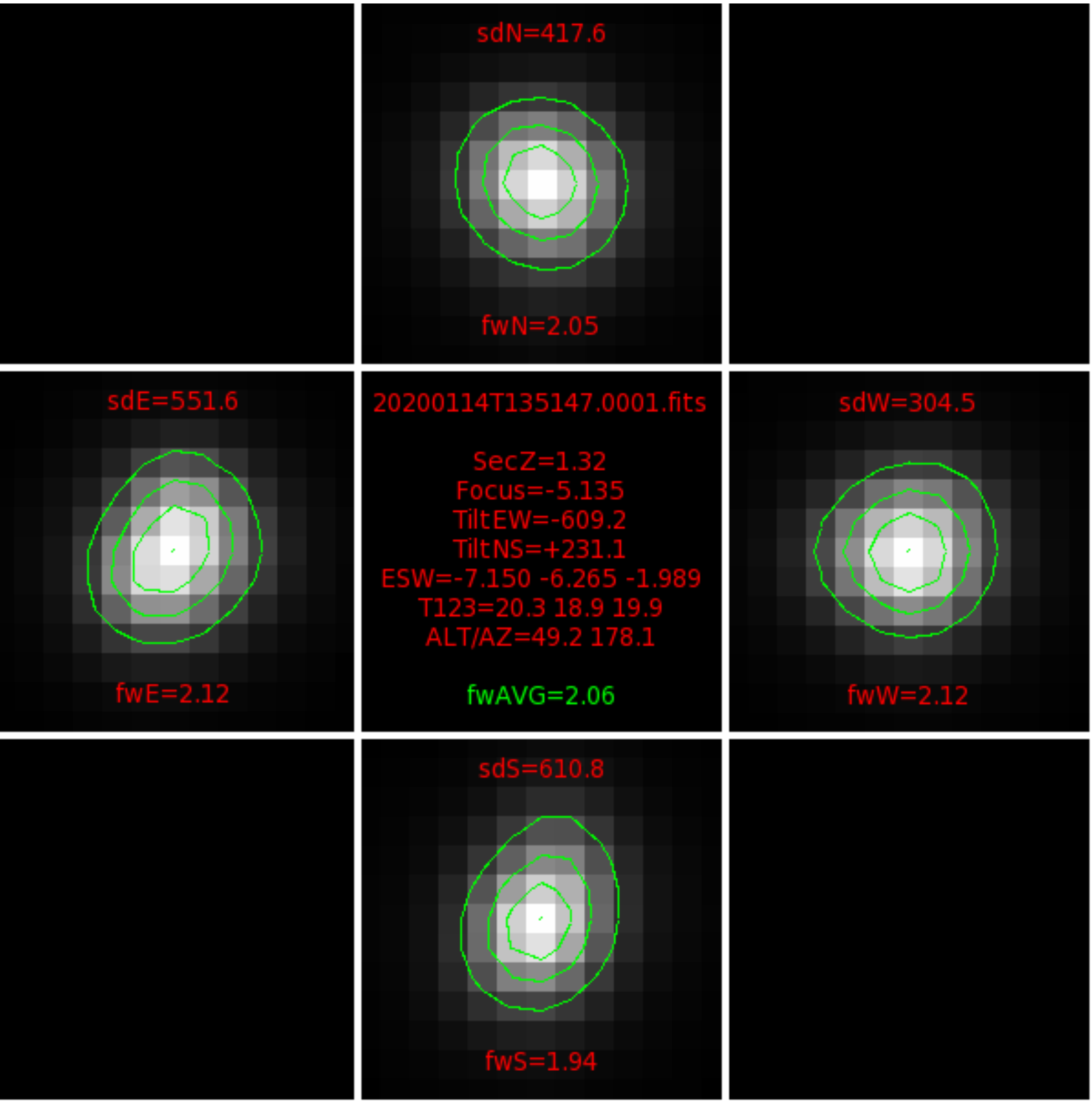

sdN=141.2
fwN=1.95
sdE=561.0
fwE=2.05
20200114T135110.0001.fits
SecZ=1.32
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=20.3 18.9 19.9
ALT/AZ=49.2 177.9
fwAVG=2.02
sdW=142.1
fwW=2.20
sdS=64.1
fwS=1.90
0 0 0 0 0 0 0 0 0


sdN=417.6
fwN=2.05
sdE=551.6
fwE=2.12
20200114T135147.0001.fits
SecZ=1.32
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=20.3 18.9 19.9
ALT/AZ=49.2 178.1
fwAVG=2.06
sdW=304.5
fwW=2.12
sdS=610.8
fwS=1.94
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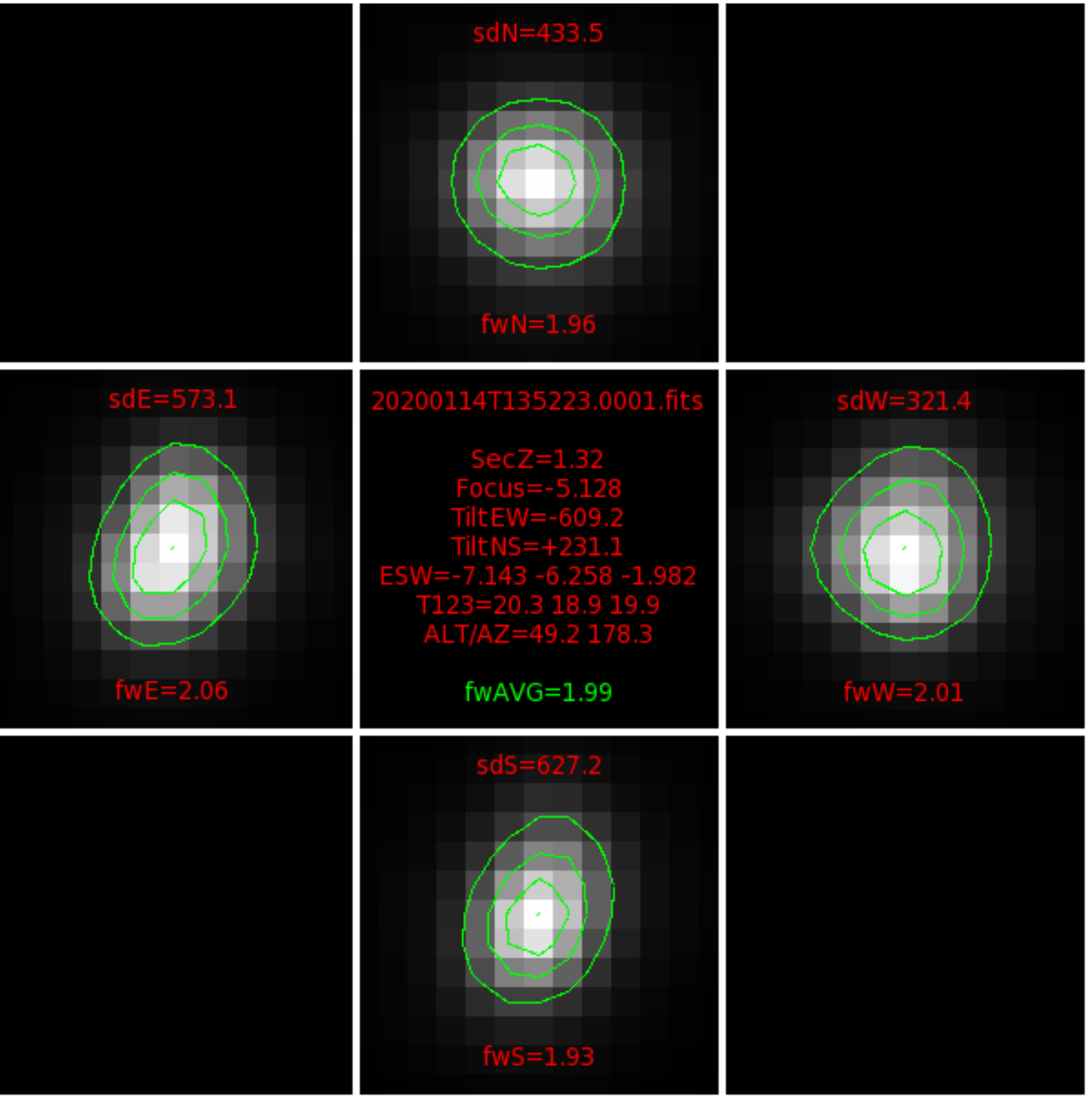
sdN=433.5
fwN=1.96
sdE=573.1
fwE=2.06
20200114T135223.0001.fits
SecZ=1.32
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.3 18.9 19.9
ALT/AZ=49.2 178.3
fwAVG=1.99
sdW=321.4
fwW=2.01
sdS=627.2
fwS=1.93
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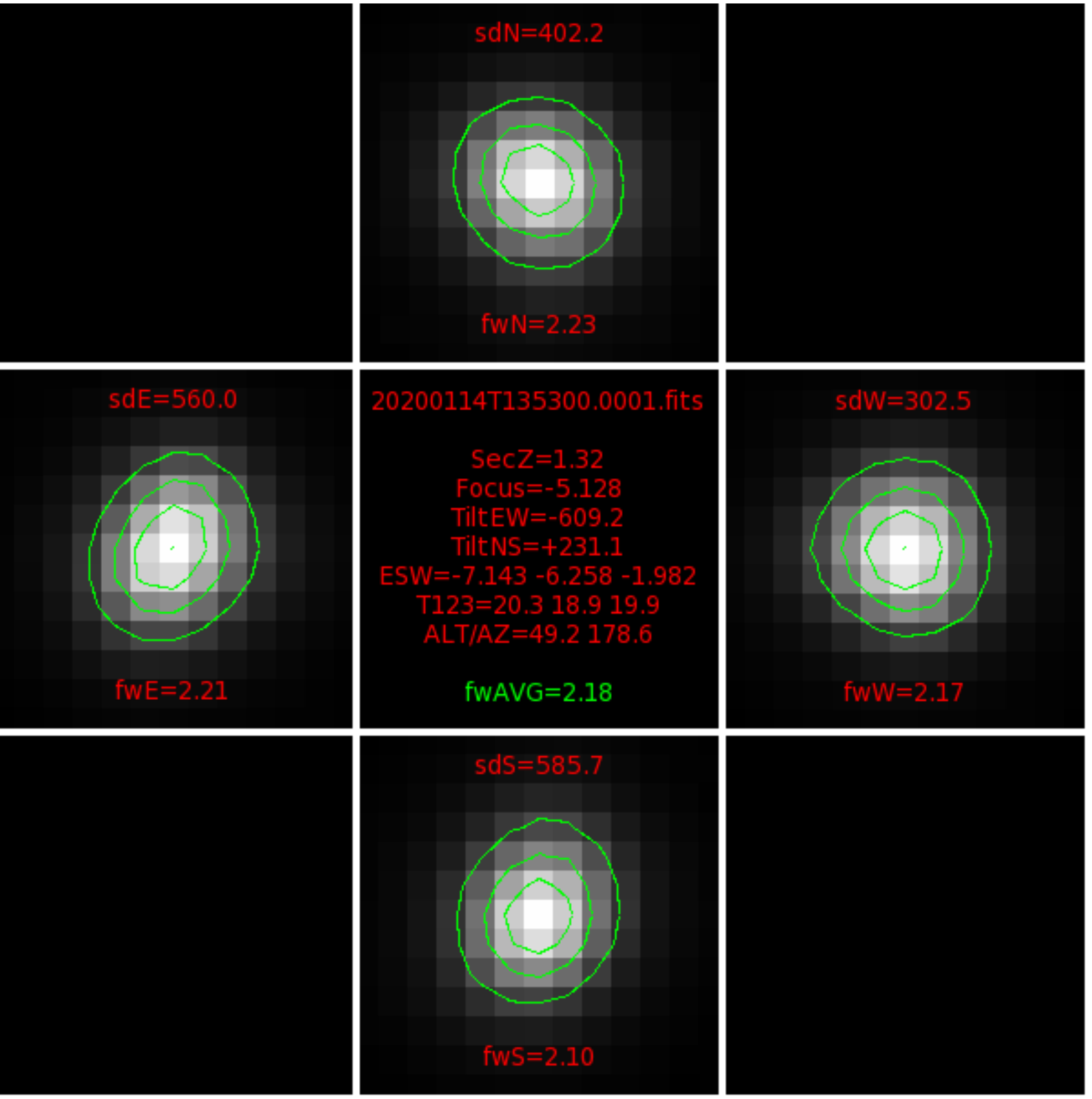
sdN=402.2
fwN=2.23
sdE=560.0
fwE=2.21
20200114T135300.0001.fits
SecZ=1.32
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.3 18.9 19.9
ALT/AZ=49.2 178.6
fwAVG=2.18
sdW=302.5
fwW=2.17
sdS=585.7
fwS=2.10
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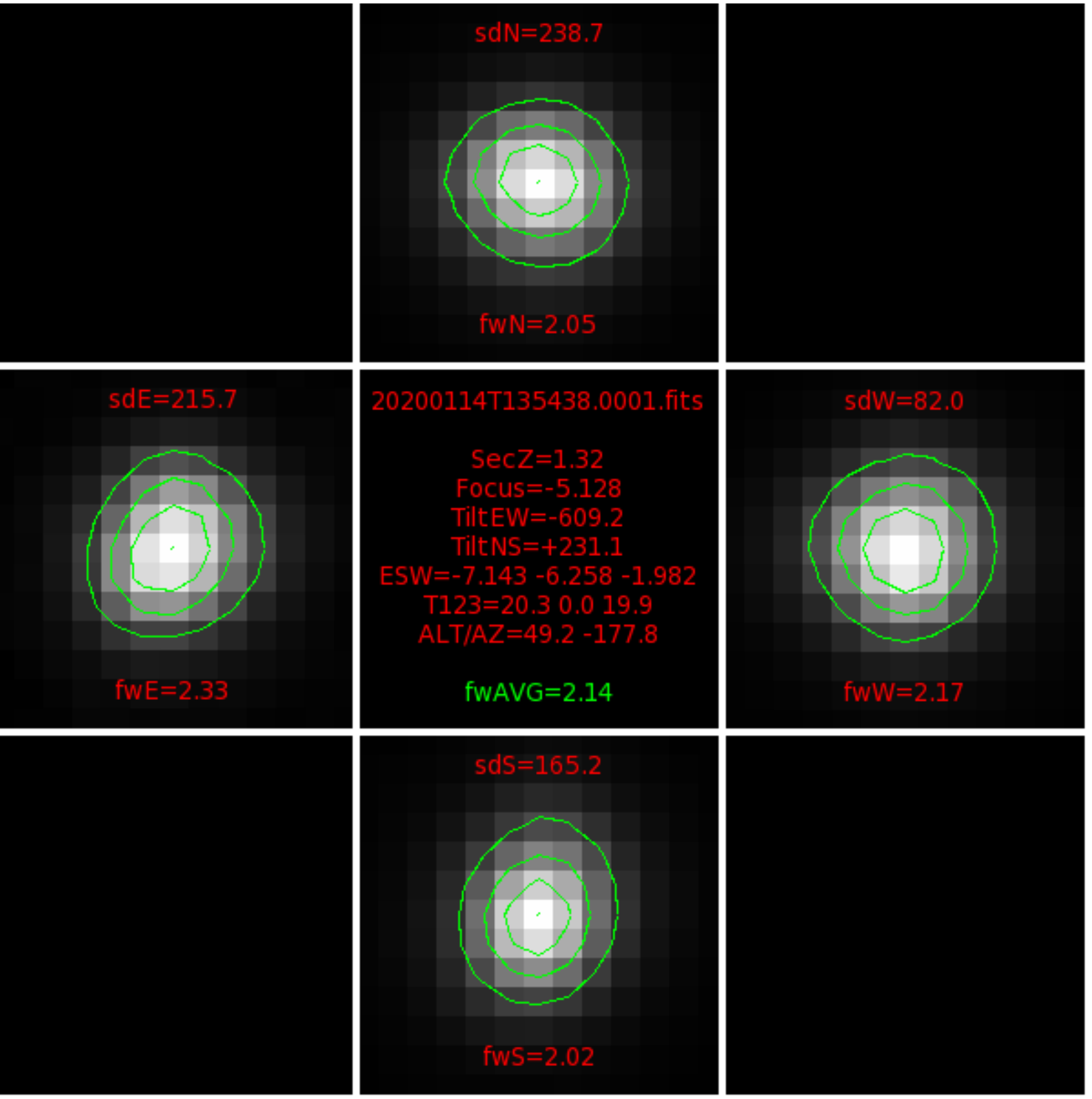
sdN=238.7
fwN=2.05
sdE=215.7
fwE=2.33
20200114T135438.0001.fits
SecZ=1.32
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.3 0.0 19.9
ALT/AZ=49.2 -177.8
fwAVG=2.14
sdW=82.0
fwW=2.17
sdS=165.2
fwS=2.02
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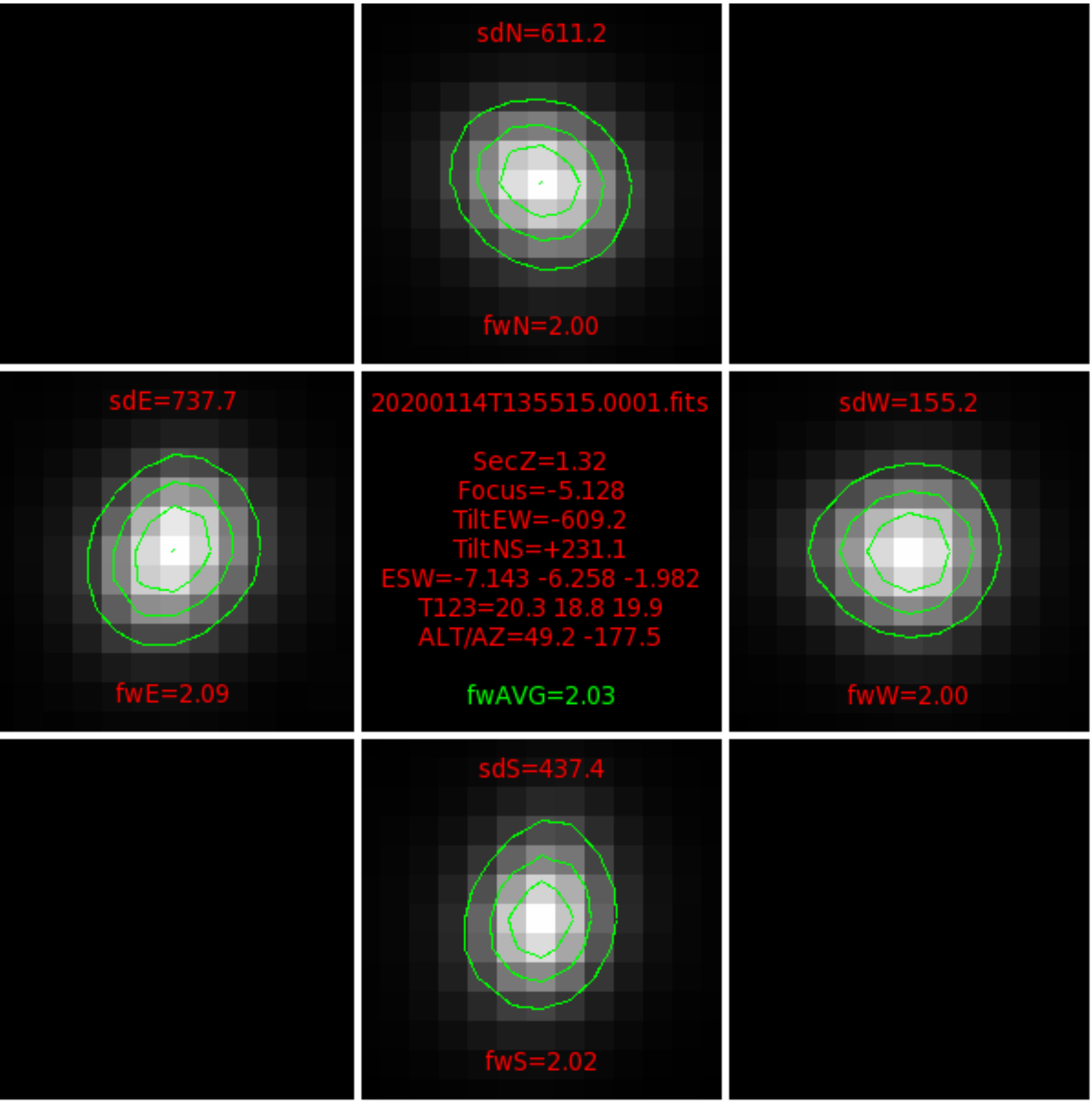
sdN=611.2
fwN=2.00
sdE=737.7
fwE=2.09
20200114T135515.0001.fits
SecZ=1.32
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.3 18.8 19.9
ALT/AZ=49.2 -177.5
fwAVG=2.03
sdW=155.2
fwW=2.00
sdS=437.4
fwS=2.02
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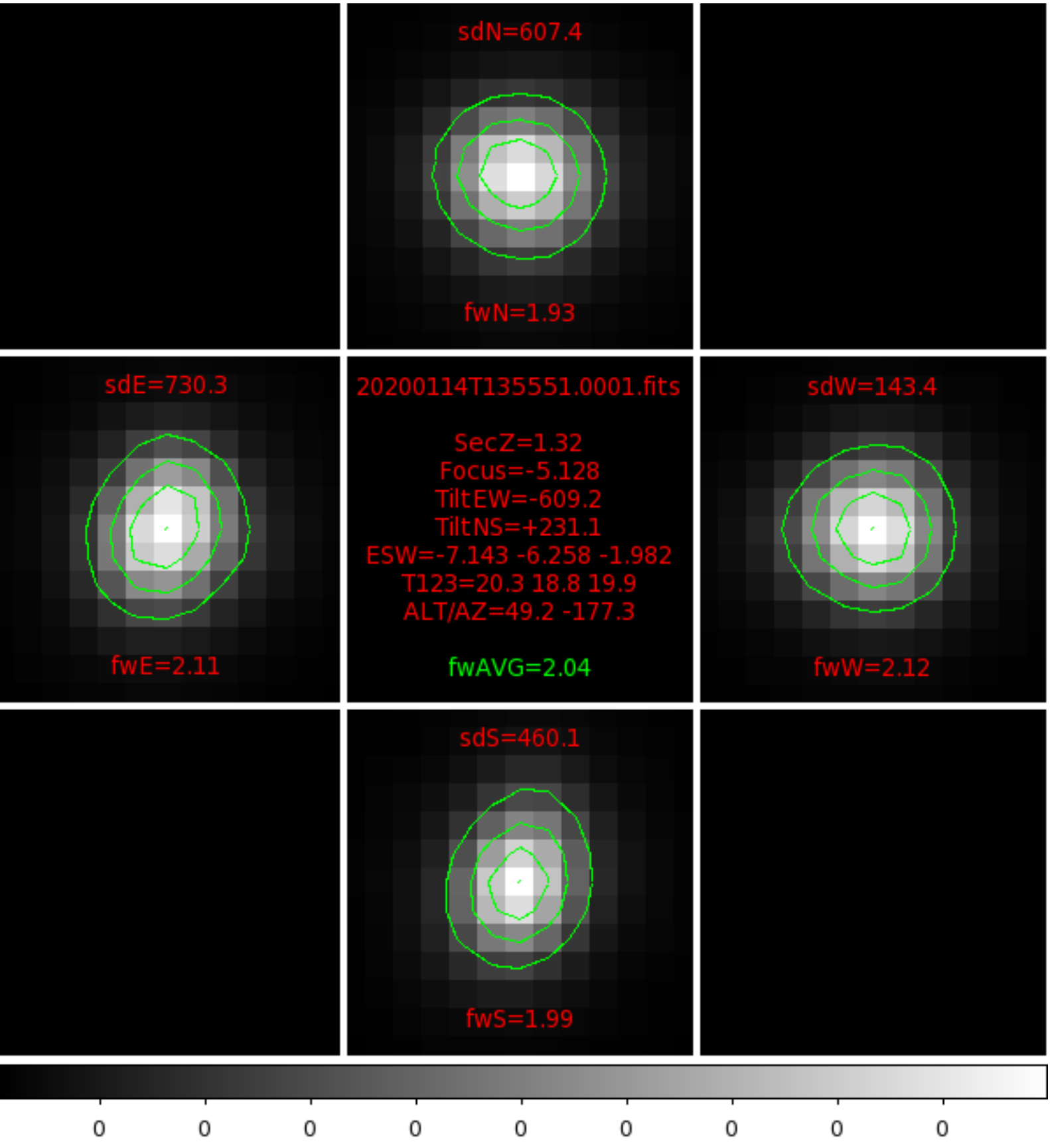
sdN=607.4
fwN=1.93
sdE=730.3
fwE=2.11
20200114T135551.0001.fits
SecZ=1.32
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.3 18.8 19.9
ALT/AZ=49.2 -177.3
fwAVG=2.04
sdW=143.4
fwW=2.12
sdS=460.1
fwS=1.99
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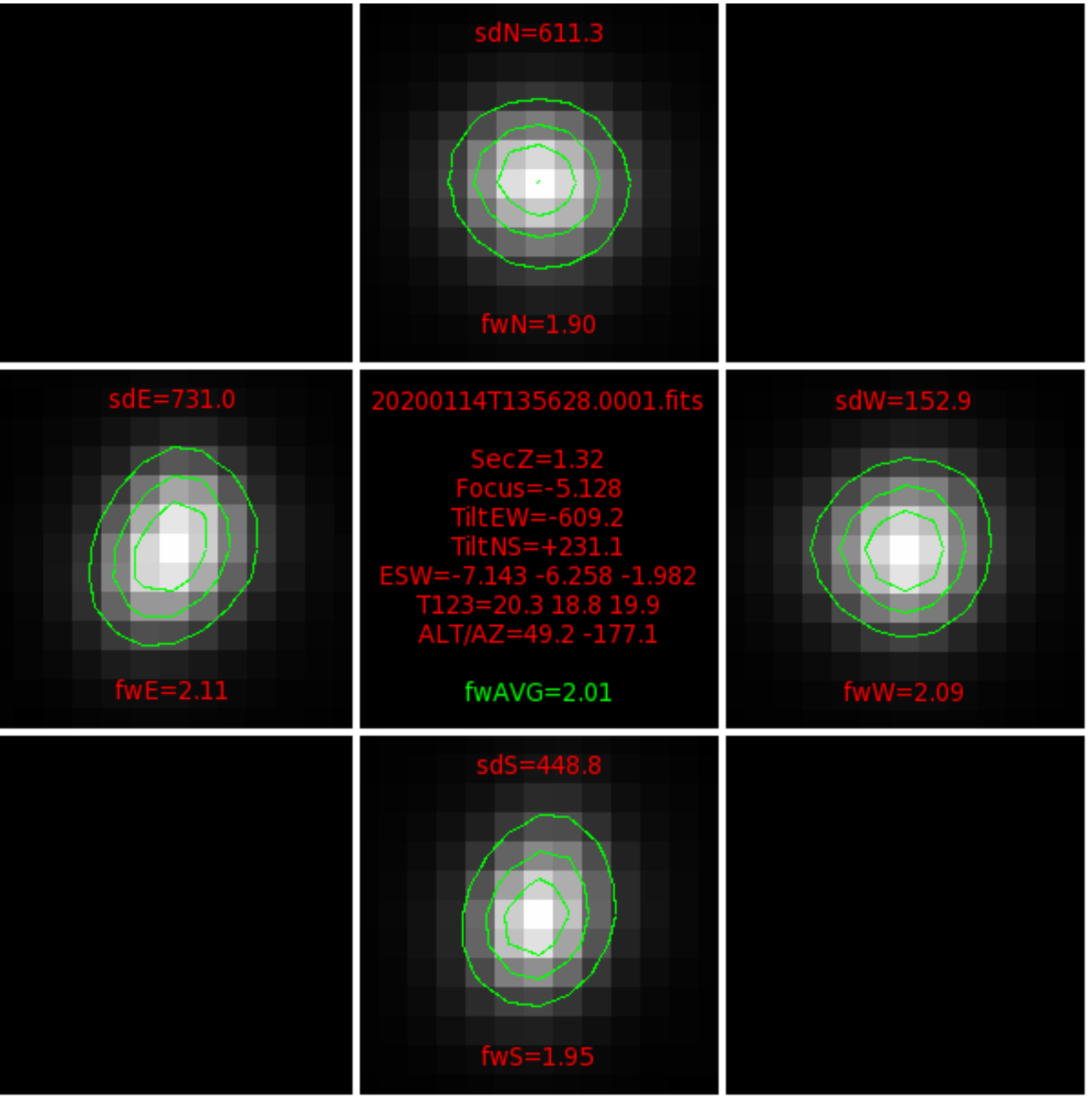
sdN=611.3
fwN=1.90
sdE=731.0
fwE=2.11
20200114T135628.0001.fits
SecZ=1.32
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.3 18.8 19.9
ALT/AZ=49.2 -177.1
fwAVG=2.01
sdW=152.9
fwW=2.09
sdS=448.8
fwS=1.95
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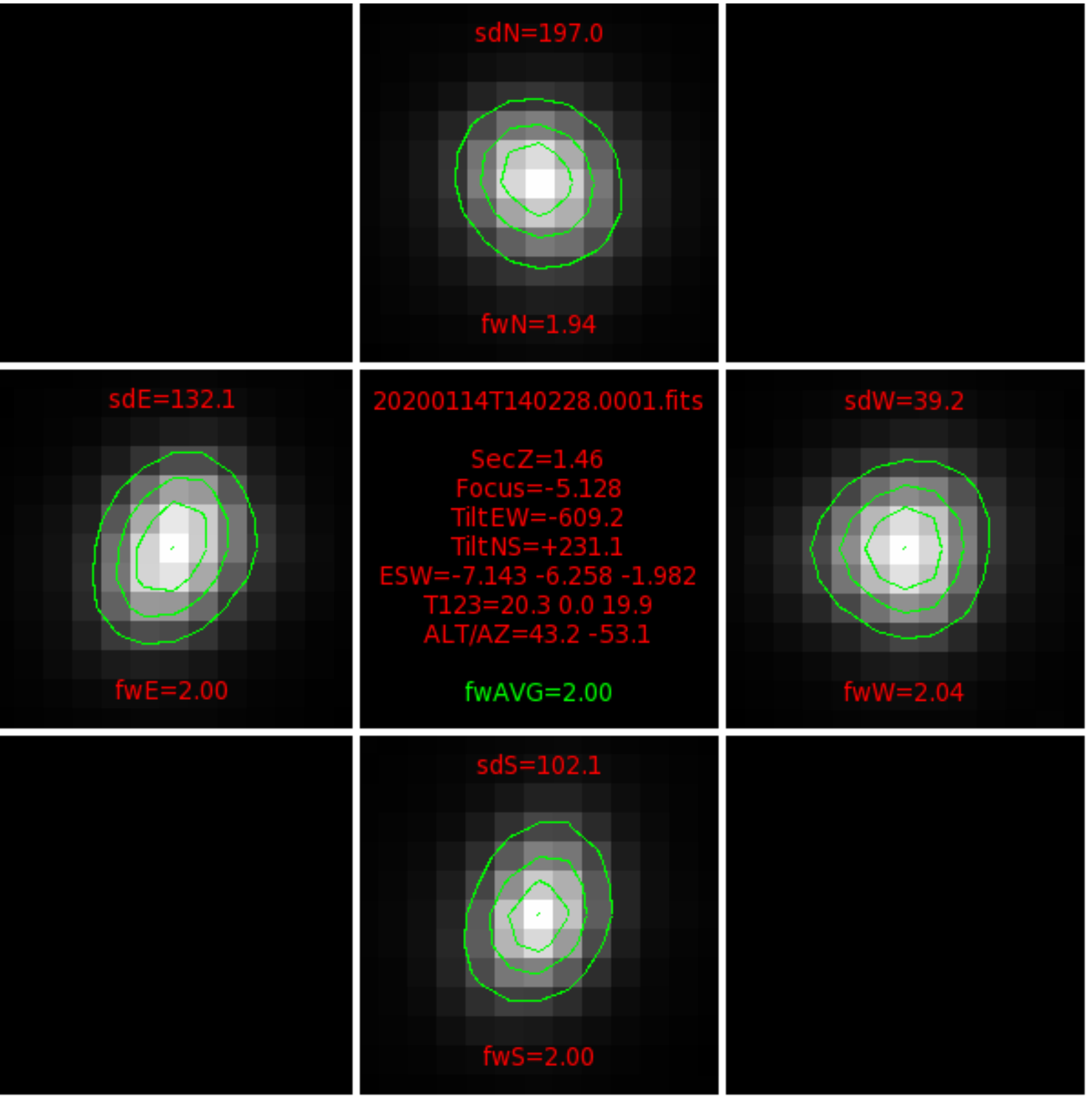
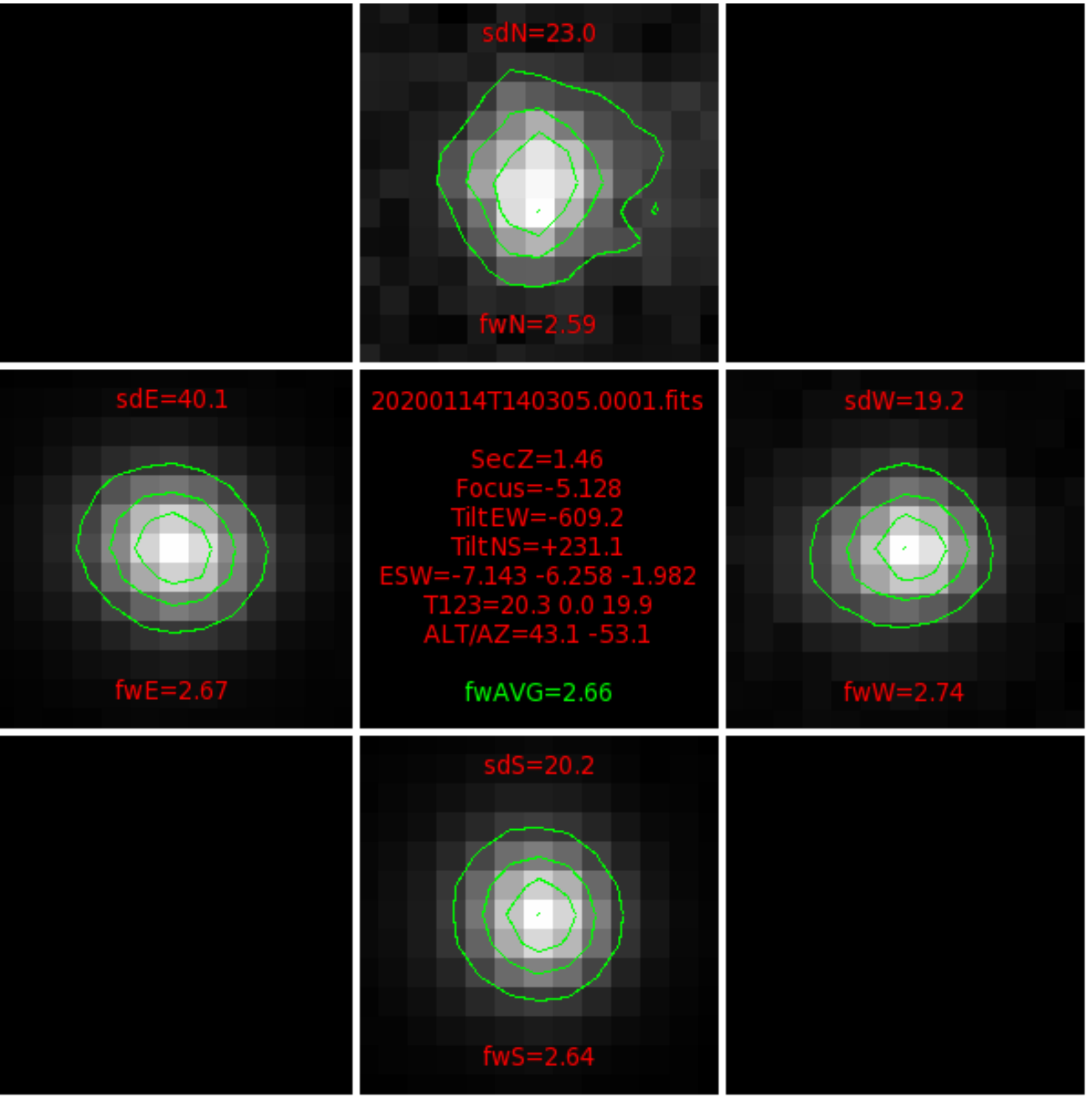
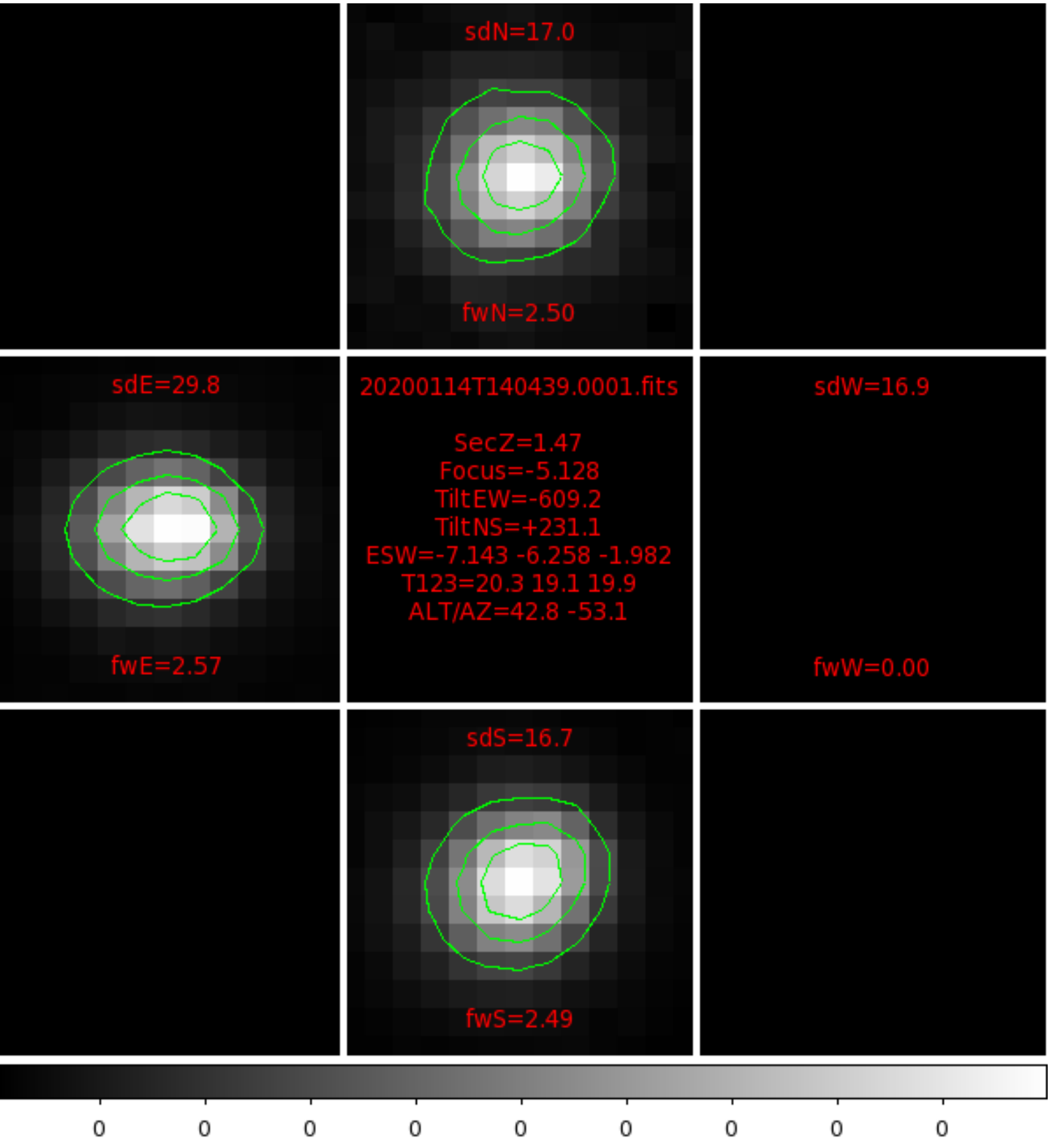
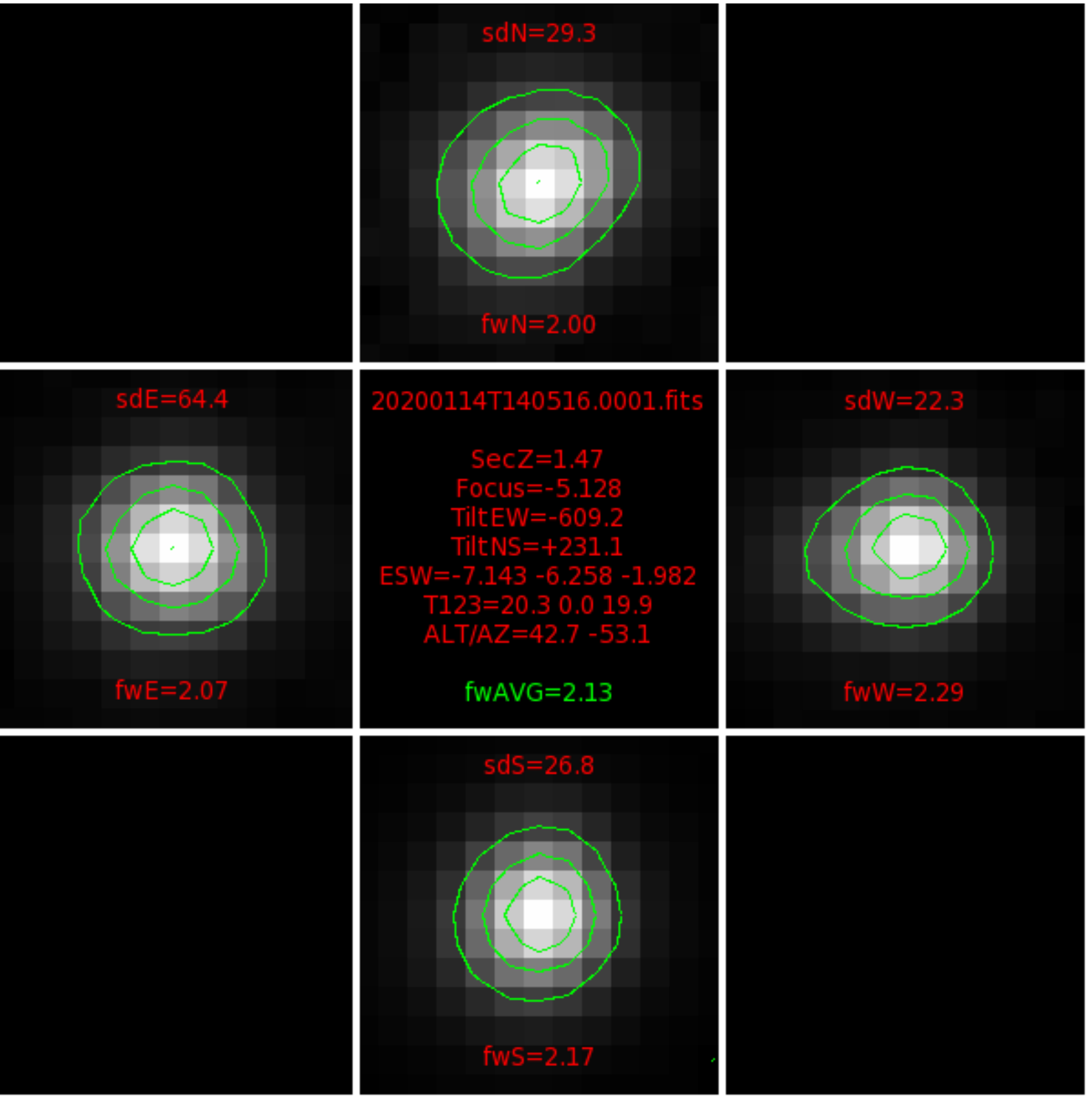
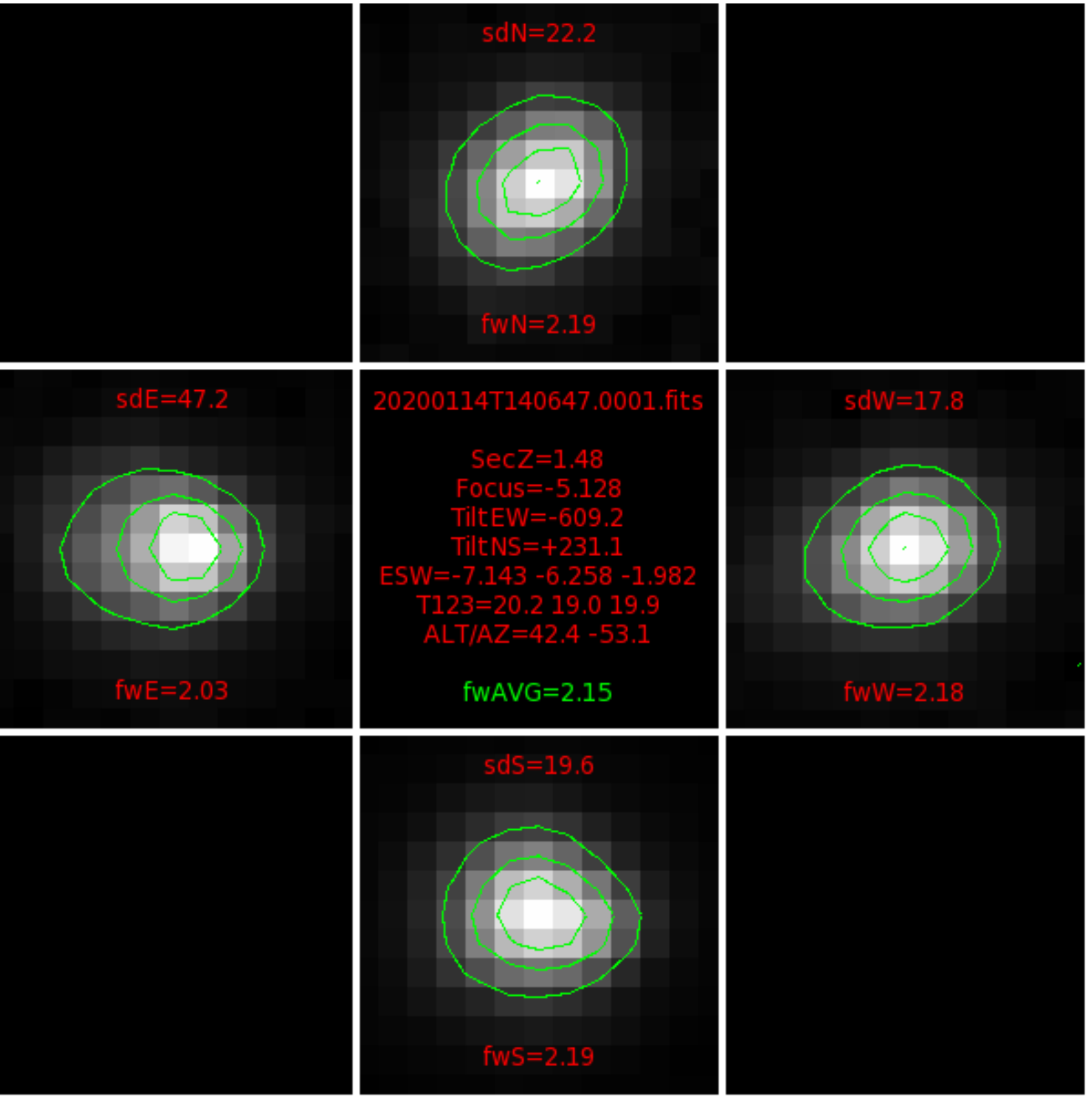

sdN=197.0
fwN=1.94
sdE=132.1
fwE=2.00
20200114T140228.0001.fits
SecZ=1.46
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.3 0.0 19.9
ALT/AZ=43.2 -53.1
fwAVG=2.00
sdW=39.2
fwW=2.04
sdS=102.1
fwS=2.00
0 0 0 0 0 0 0 0 0


sdN=23.0
fwN=2.59
sdE=40.1
fwE=2.67
20200114T140305.0001.fits
SecZ=1.46
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.3 0.0 19.9
ALT/AZ=43.1 -53.1
fwAVG=2.66
sdW=19.2
fwW=2.74
sdS=20.2
fwS=2.64
0 0 0 0 0 0 0 0 0


sdN=17.0
fwN=2.50
sdE=29.8
fwE=2.57
20200114T140439.0001.fits
SecZ=1.47
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.3 19.1 19.9
ALT/AZ=42.8 -53.1
sdW=16.9
fwW=0.00
sdS=16.7
fwS=2.49
0 0 0 0 0 0 0 0 0


sdN=29.3
fwN=2.00
sdE=64.4
fwE=2.07
20200114T140516.0001.fits
SecZ=1.47
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.3 0.0 19.9
ALT/AZ=42.7 -53.1
fwAVG=2.13
sdW=22.3
fwW=2.29
sdS=26.8
fwS=2.17
0 0 0 0 0 0 0 0 0


sdN=22.2
fwN=2.19
sdE=47.2
fwE=2.03
20200114T140647.0001.fits
SecZ=1.48
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.2 19.0 19.9
ALT/AZ=42.4 -53.1
fwAVG=2.15
sdW=17.8
fwW=2.18
sdS=19.6
fwS=2.19
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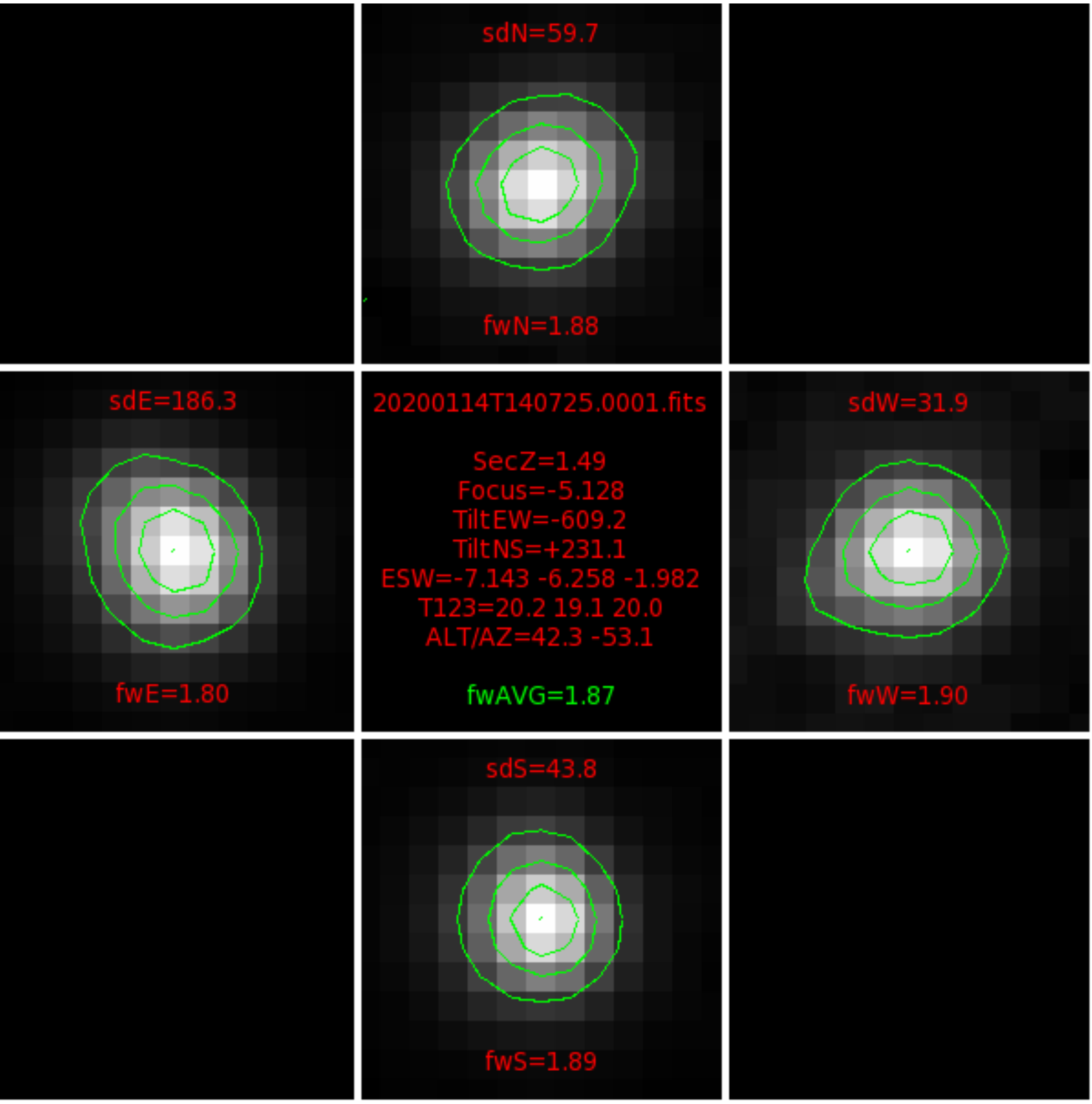
sdN=59.7
fwN=1.88
sdE=186.3
fwE=1.80
20200114T140725.0001.fits
SecZ=1.49
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.2 19.1 20.0
ALT/AZ=42.3 -53.1
fwAVG=1.87
sdW=31.9
fwW=1.90
sdS=43.8
fwS=1.89
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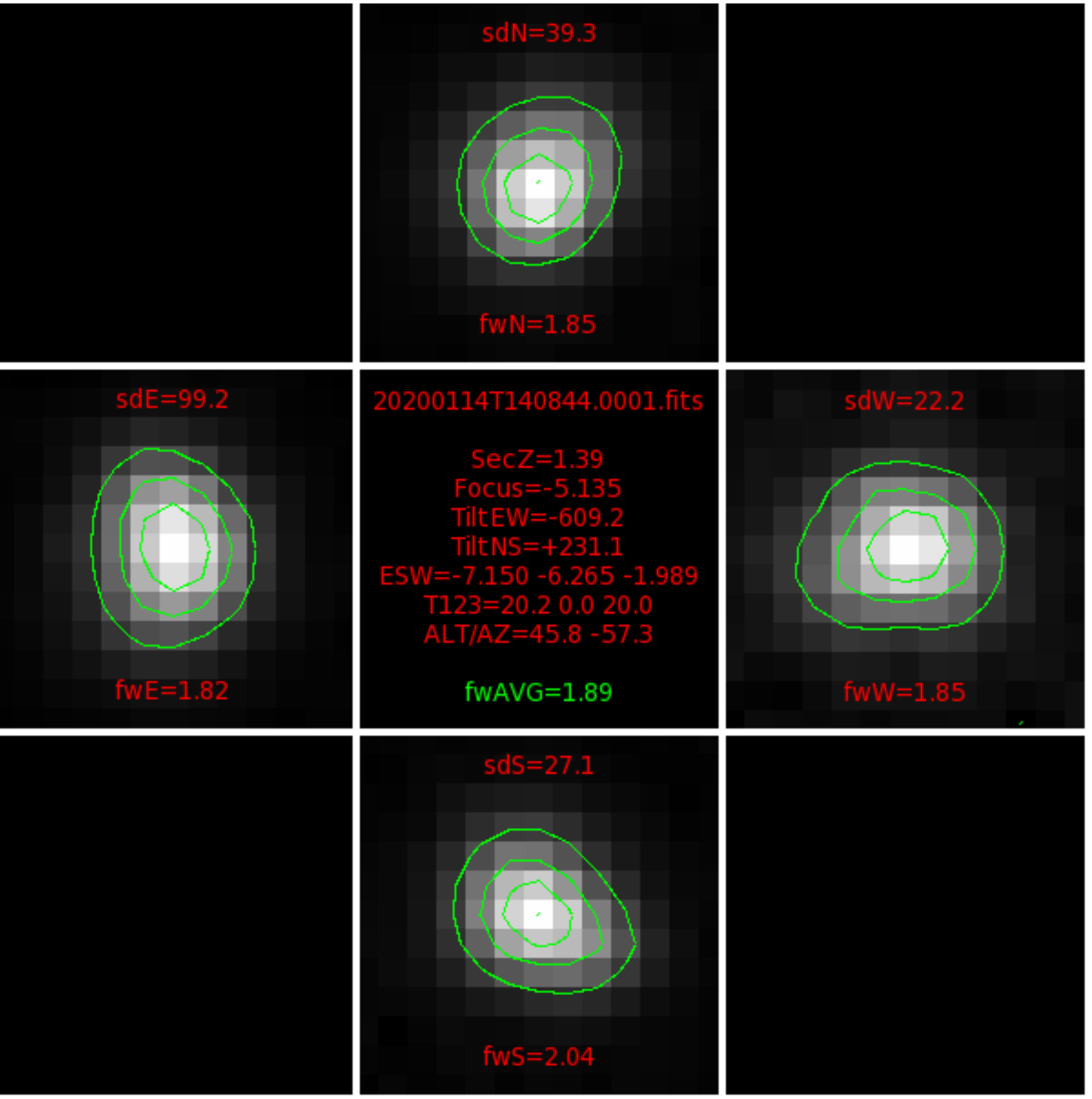
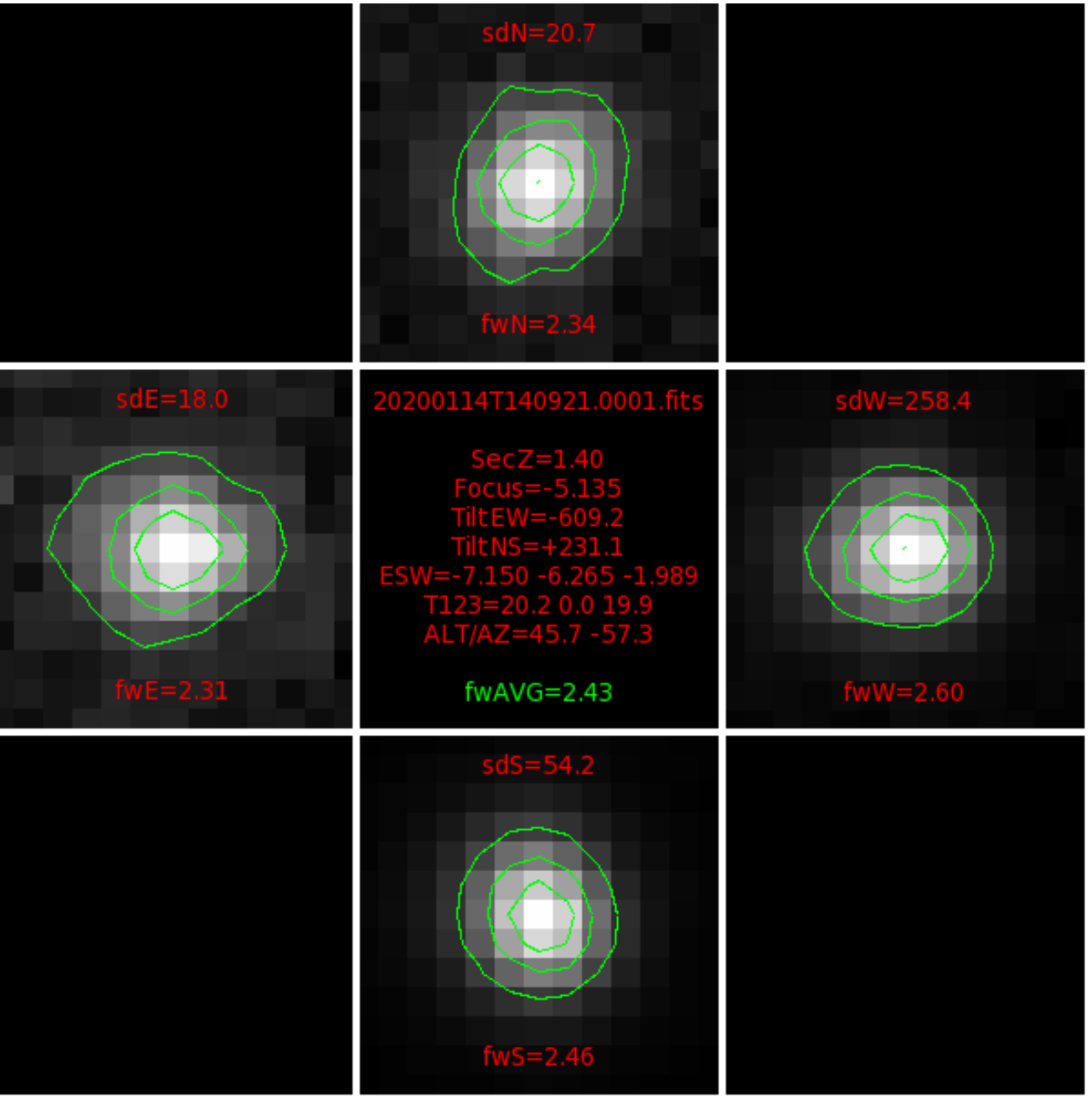

sdN=39.3
fwN=1.85
sdE=99.2
fwE=1.82
20200114T140844.0001.fits
SecZ=1.39
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=20.2 0.0 20.0
ALT/AZ=45.8 -57.3
fwAVG=1.89
sdW=22.2
fwW=1.85
sdS=27.1
fwS=2.04
0 0 0 0 0 0 0 0 0


sdN=20.7
fwN=2.34
sdE=18.0
fwE=2.31
20200114T140921.0001.fits
SecZ=1.40
Focus=-5.135
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.150 -6.265 -1.989
T123=20.2 0.0 19.9
ALT/AZ=45.7 -57.3
fwAVG=2.43
sdW=258.4
fwW=2.60
sdS=54.2
fwS=2.46
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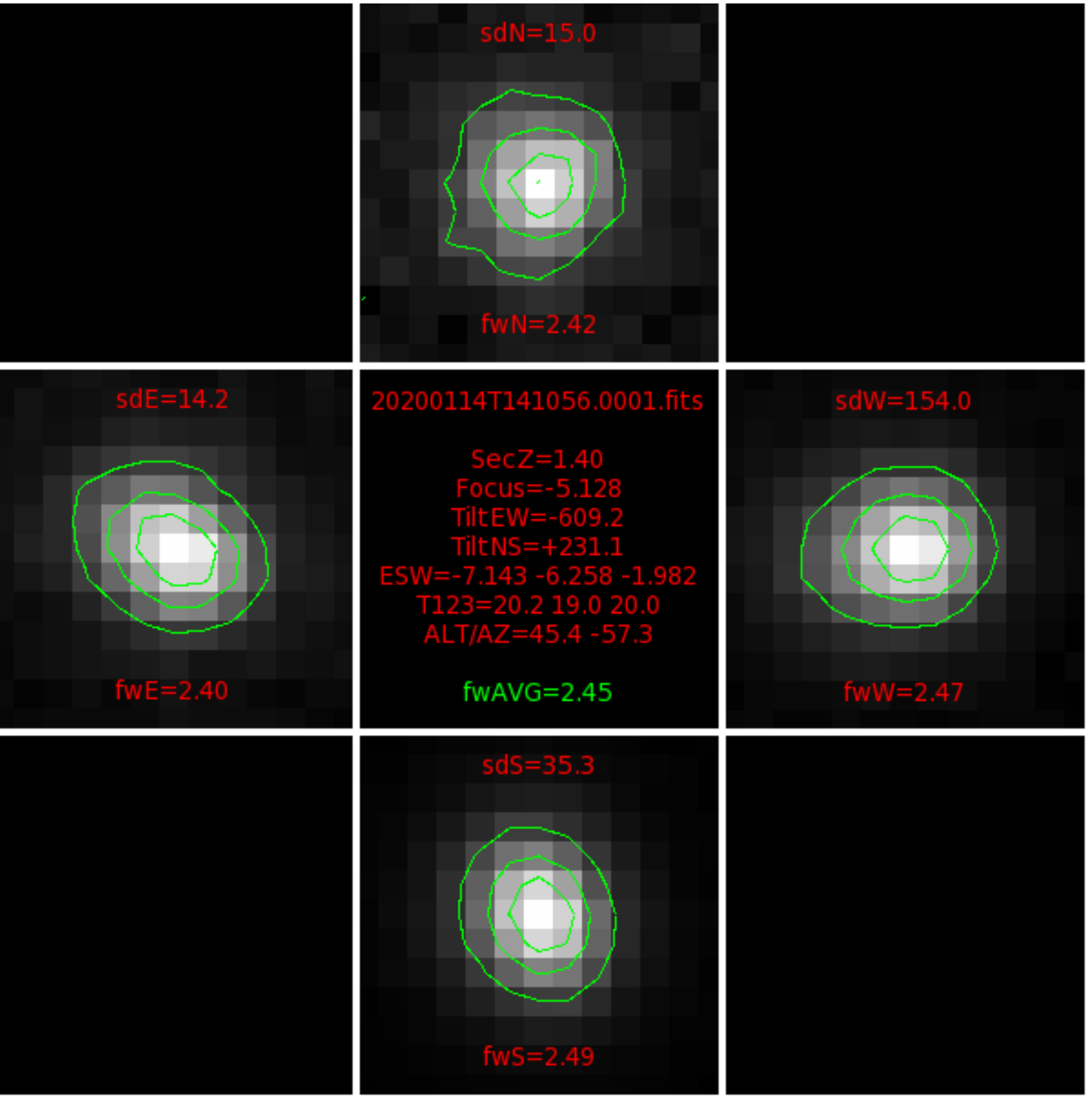
sdN=15.0
fwN=2.42
sdE=14.2
fwE=2.40
20200114T141056.0001.fits
SecZ=1.40
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.2 19.0 20.0
ALT/AZ=45.4 -57.3
fwAVG=2.45
sdW=154.0
fwW=2.47
sdS=35.3
fwS=2.49
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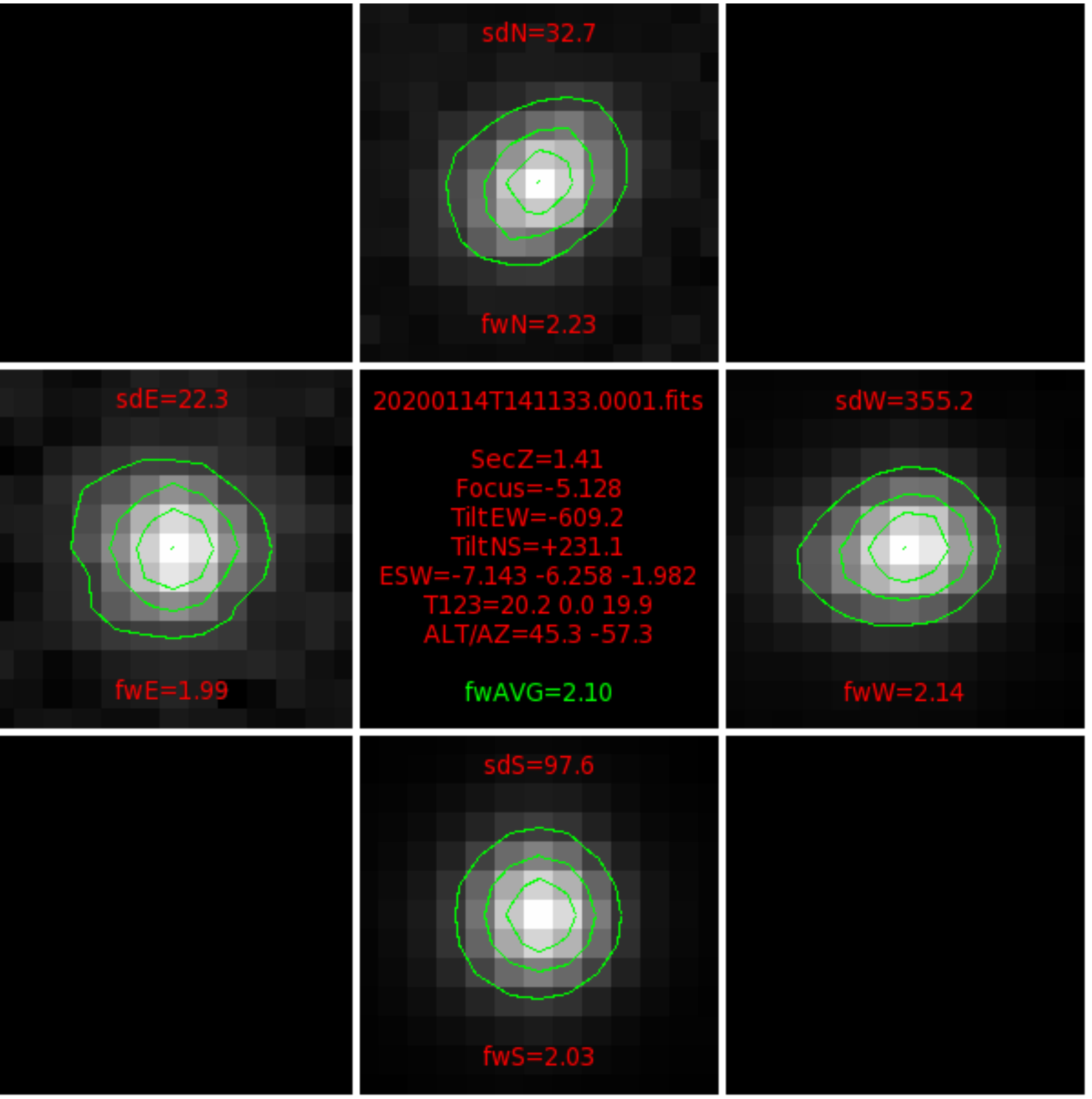
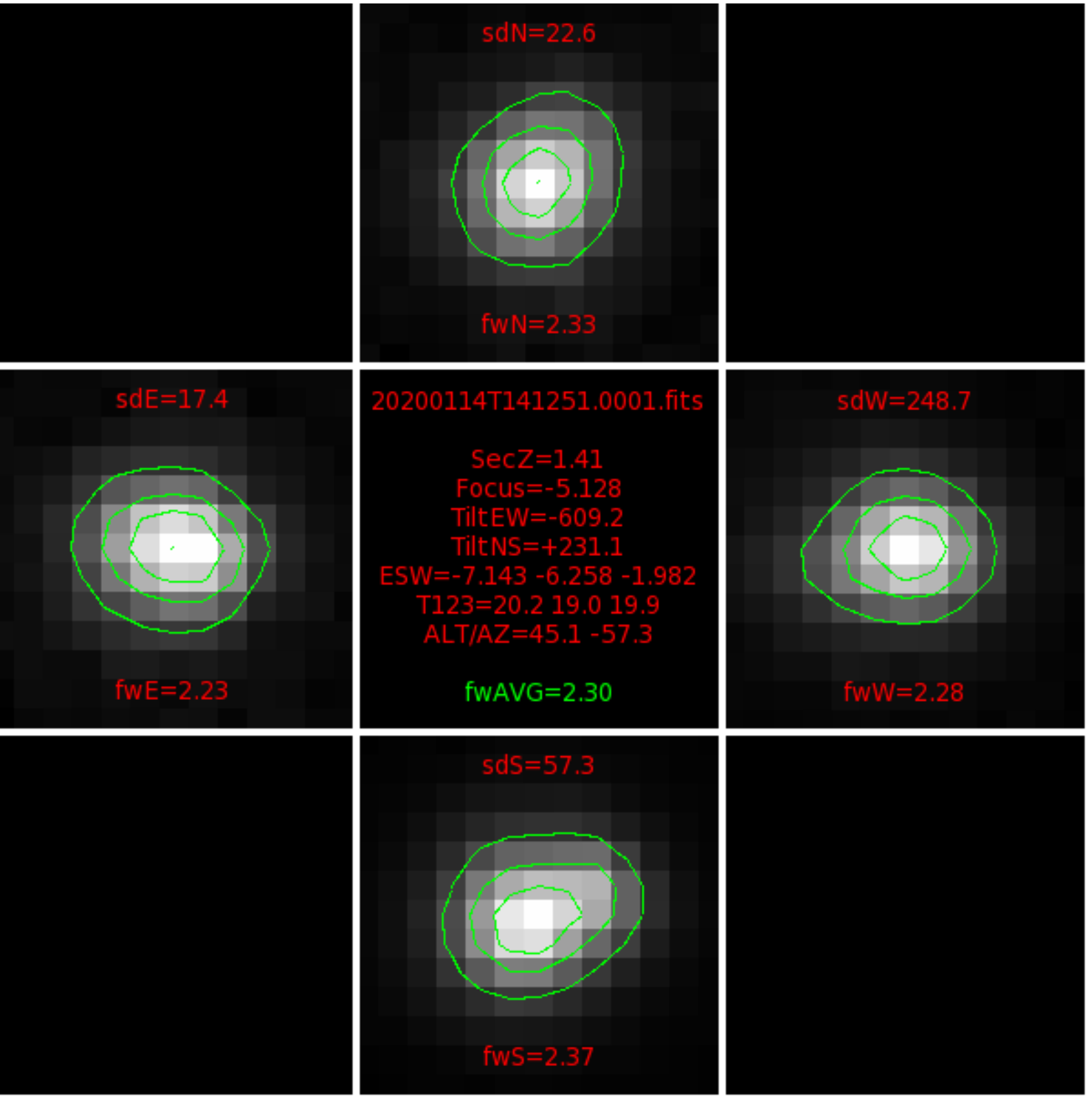

sdN=32.7
fwN=2.23
sdE=22.3
fwE=1.99
20200114T141133.0001.fits
SecZ=1.41
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.2 0.0 19.9
ALT/AZ=45.3 -57.3
fwAVG=2.10
sdW=355.2
fwW=2.14
sdS=97.6
fwS=2.03
0 0 0 0 0 0 0 0 0


sdN=22.6
fwN=2.33
sdE=17.4
fwE=2.23
20200114T141251.0001.fits
SecZ=1.41
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.2 19.0 19.9
ALT/AZ=45.1 -57.3
fwAVG=2.30
sdW=248.7
fwW=2.28
sdS=57.3
fwS=2.37
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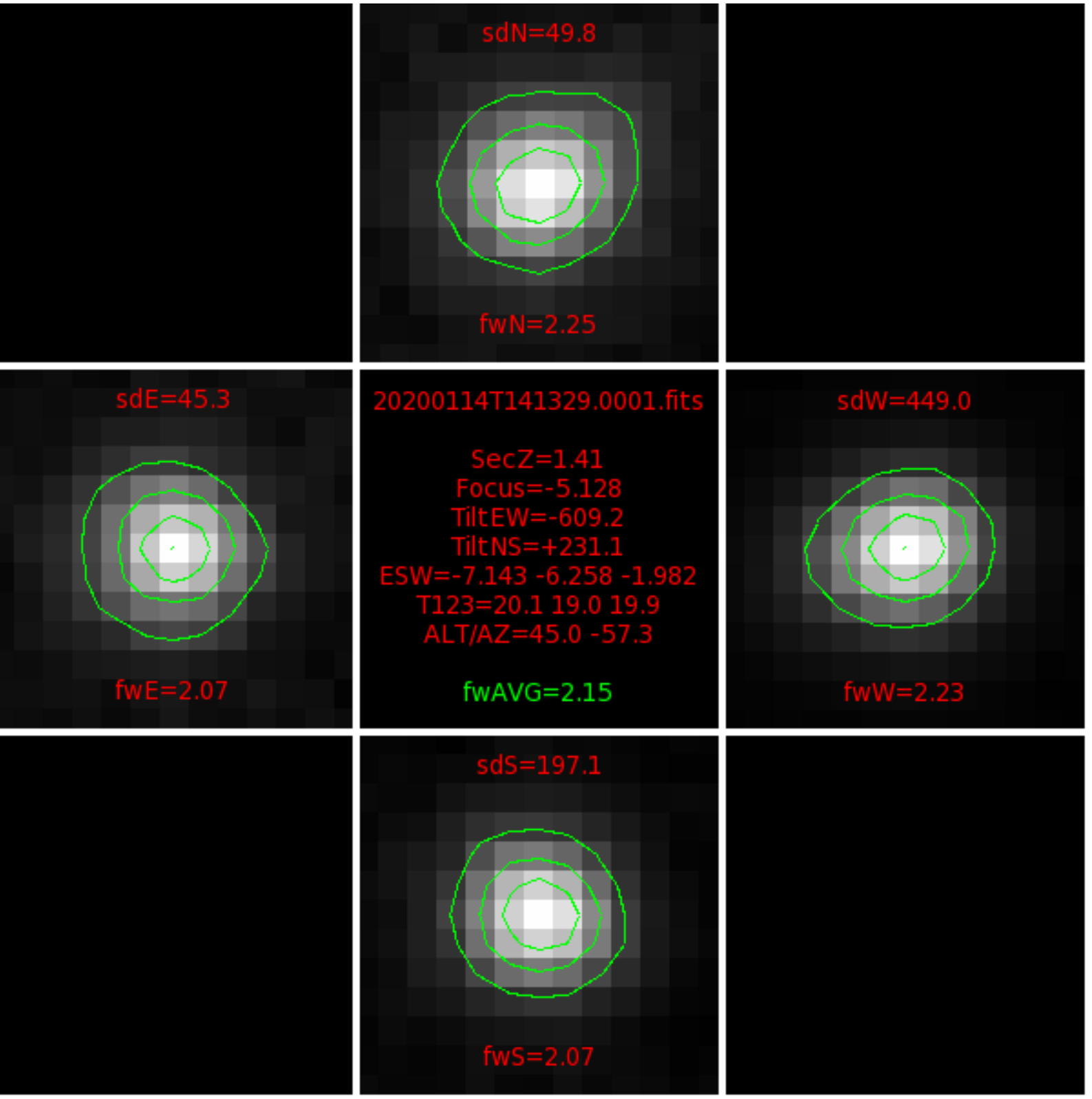
sdN=49.8
fwN=2.25
sdE=45.3
fwE=2.07
20200114T141329.0001.fits
SecZ=1.41
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.1 19.0 19.9
ALT/AZ=45.0 -57.3
fwAVG=2.15
sdW=449.0
fwW=2.23
sdS=197.1
fwS=2.07
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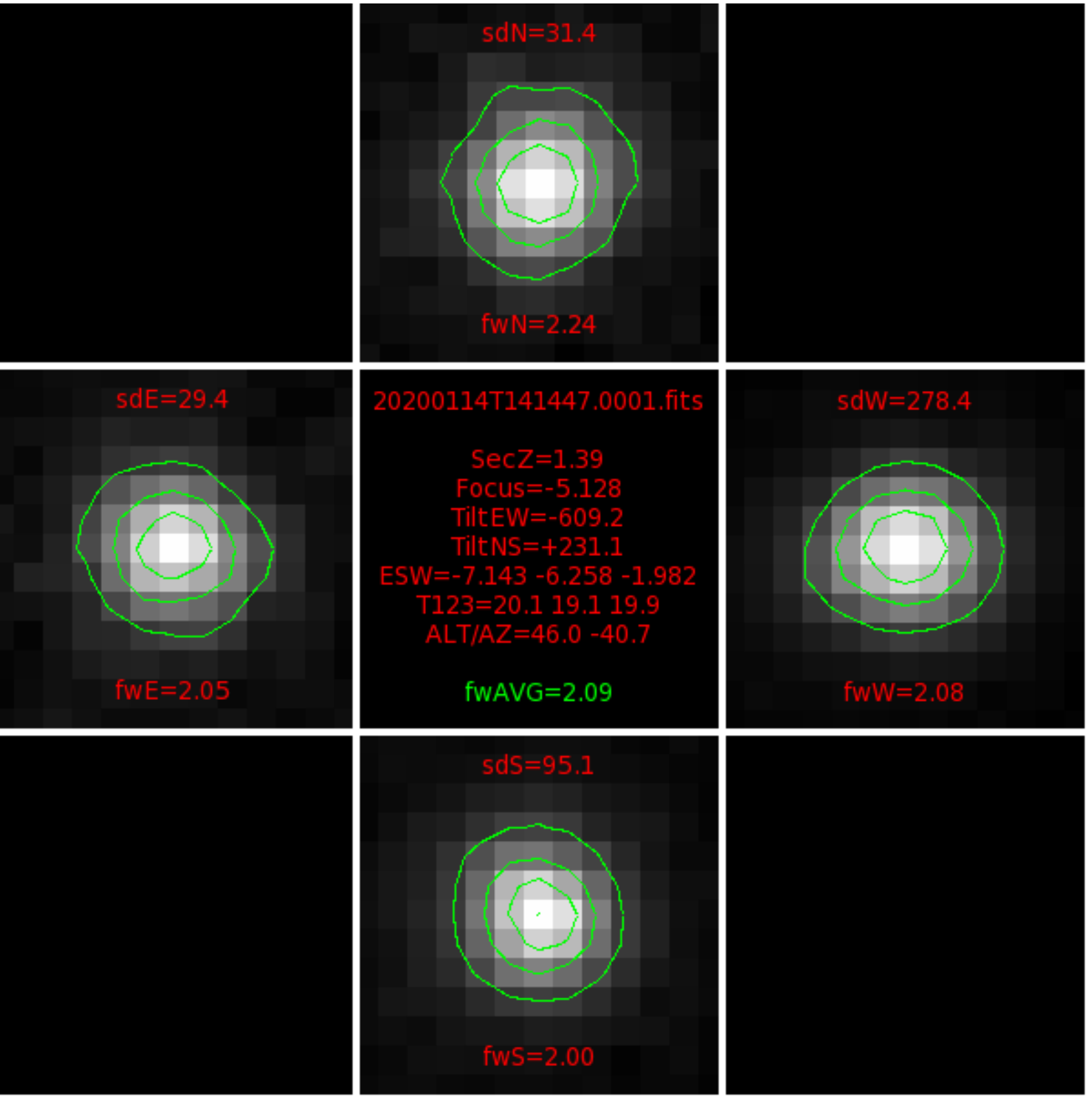
sdN=31.4
fwN=2.24
sdE=29.4
fwE=2.05
20200114T141447.0001.fits
SecZ=1.39
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.1 19.1 19.9
ALT/AZ=46.0 -40.7
fwAVG=2.09
sdW=278.4
fwW=2.08
sdS=95.1
fwS=2.00
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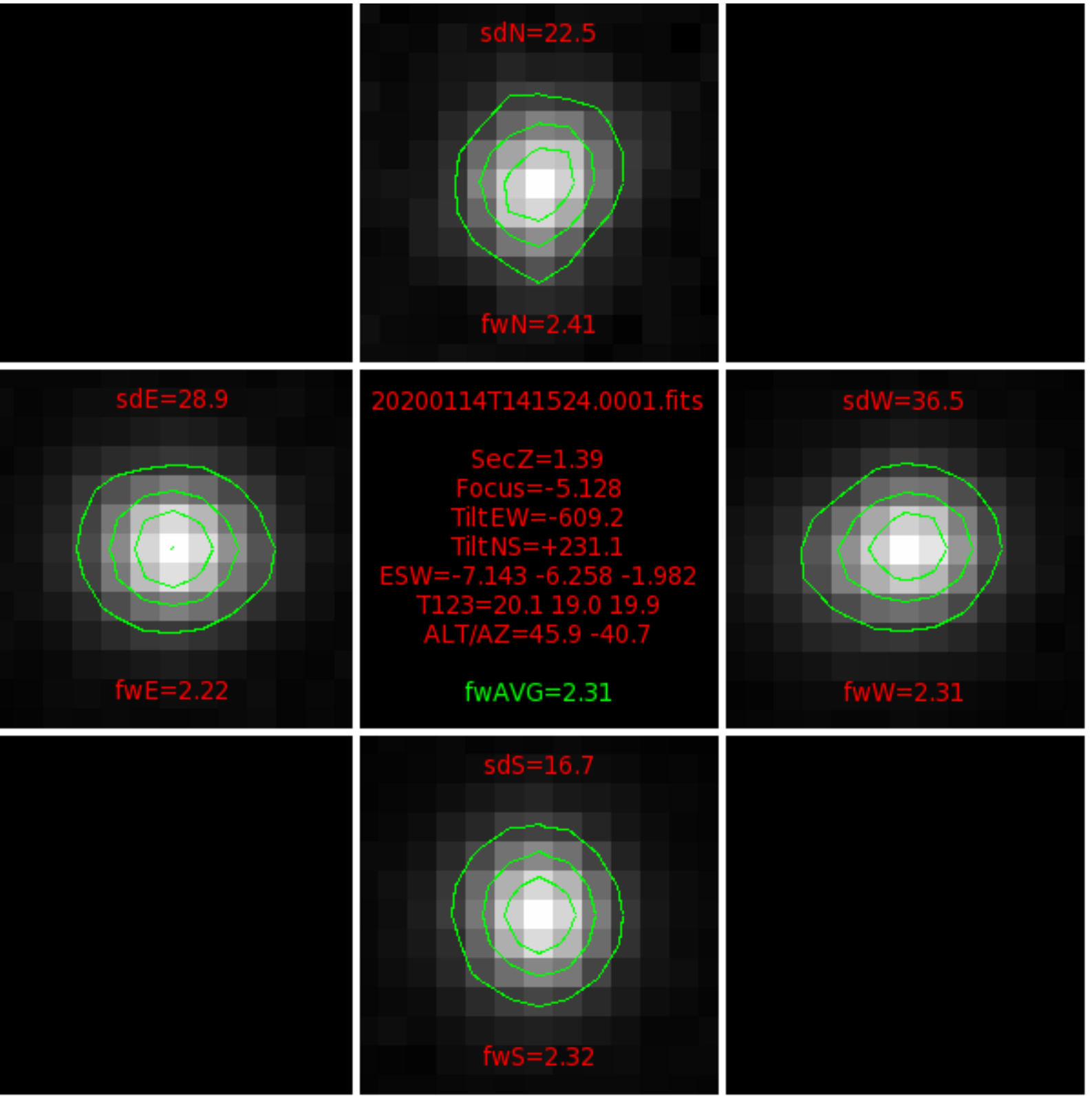
sdN=22.5
fwN=2.41
sdE=28.9
fwE=2.22
20200114T141524.0001.fits
SecZ=1.39
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.1 19.0 19.9
ALT/AZ=45.9 -40.7
fwAVG=2.31
sdW=36.5
fwW=2.31
sdS=16.7
fwS=2.32
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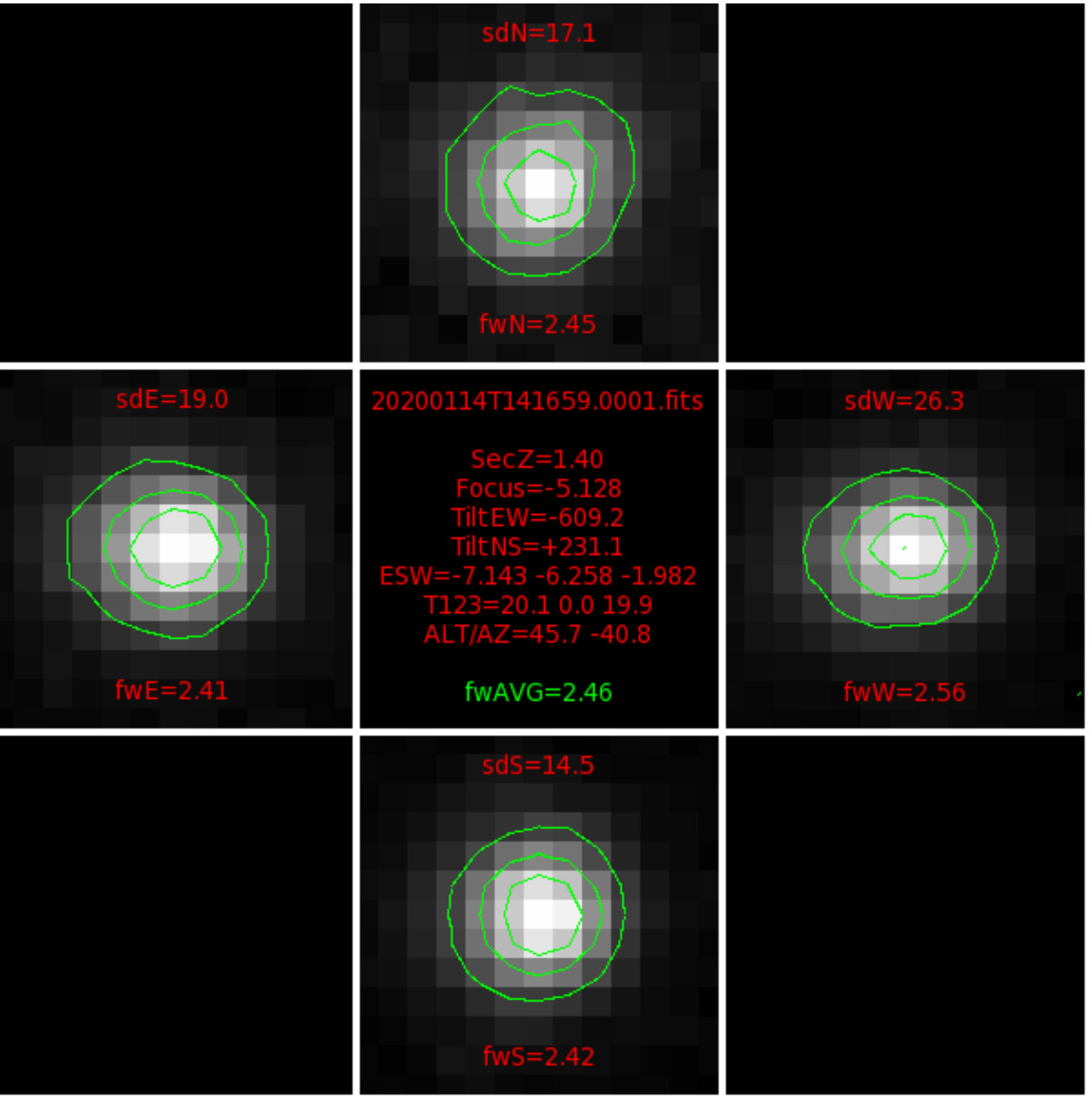
sdN=17.1
fwN=2.45
sdE=19.0
fwE=2.41
20200114T141659.0001.fits
SecZ=1.40
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.1 0.0 19.9
ALT/AZ=45.7 -40.8
fwAVG=2.46
sdW=26.3
fwW=2.56
sdS=14.5
fwS=2.42
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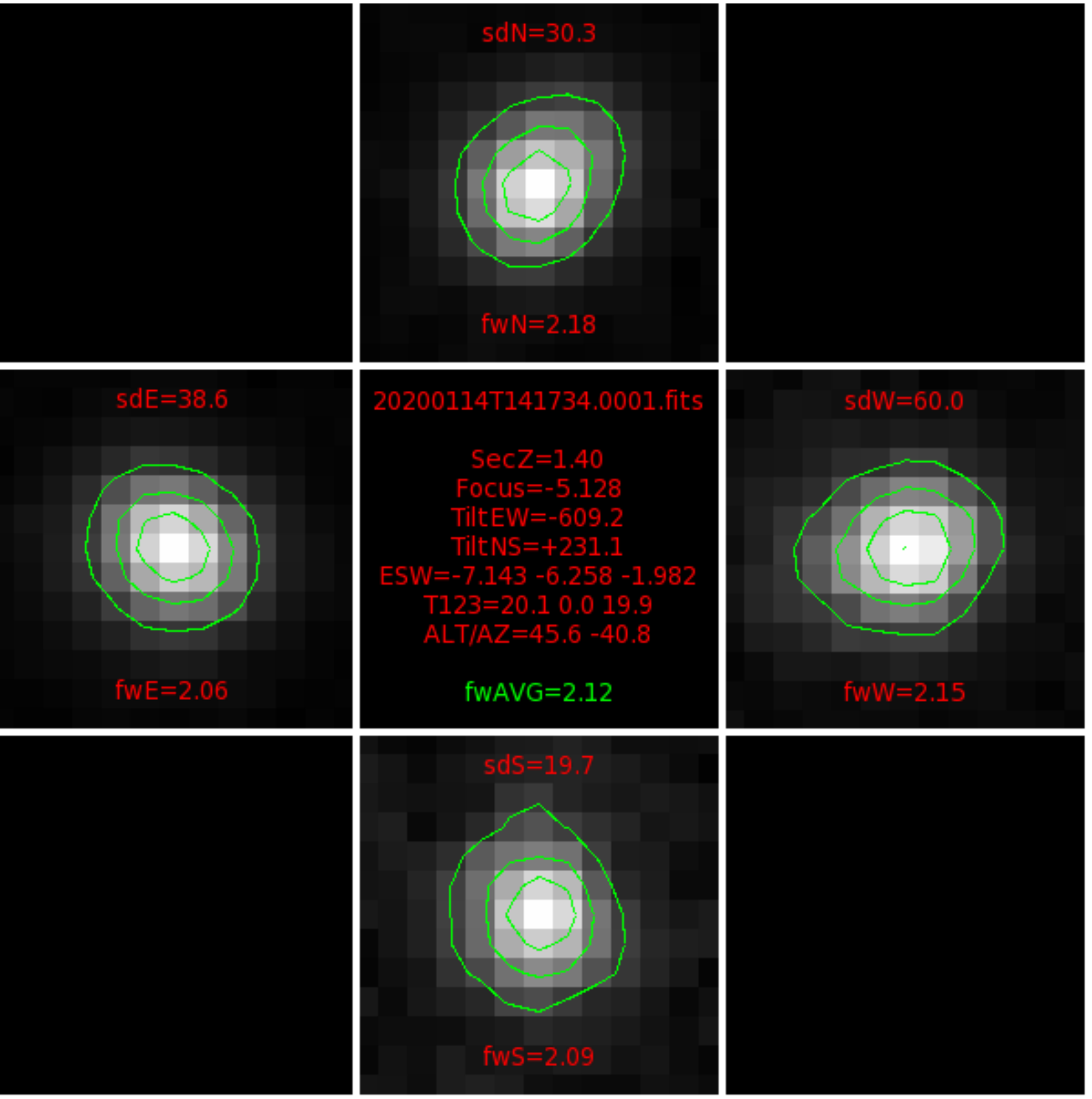
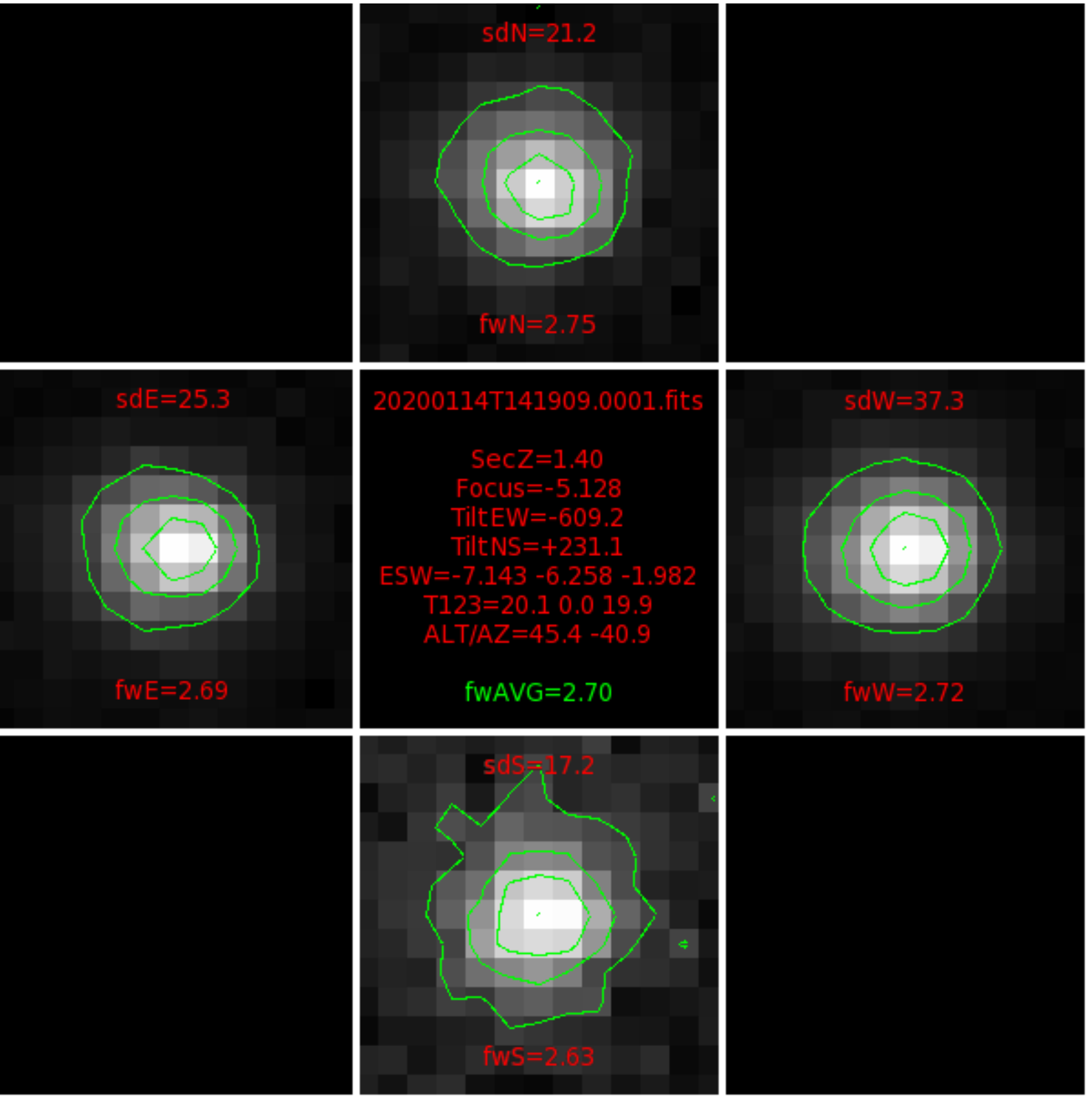

sdN=30.3
fwN=2.18
sdE=38.6
fwE=2.06
20200114T141734.0001.fits
SecZ=1.40
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.1 0.0 19.9
ALT/AZ=45.6 -40.8
fwAVG=2.12
sdW=60.0
fwW=2.15
sdS=19.7
fwS=2.09
0 0 0 0 0 0 0 0 0


sdN=21.2
fwN=2.75
sdE=25.3
fwE=2.69
20200114T141909.0001.fits
SecZ=1.40
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.1 0.0 19.9
ALT/AZ=45.4 -40.9
fwAVG=2.70
sdW=37.3
fwW=2.72
sdS=17.2
fwS=2.63
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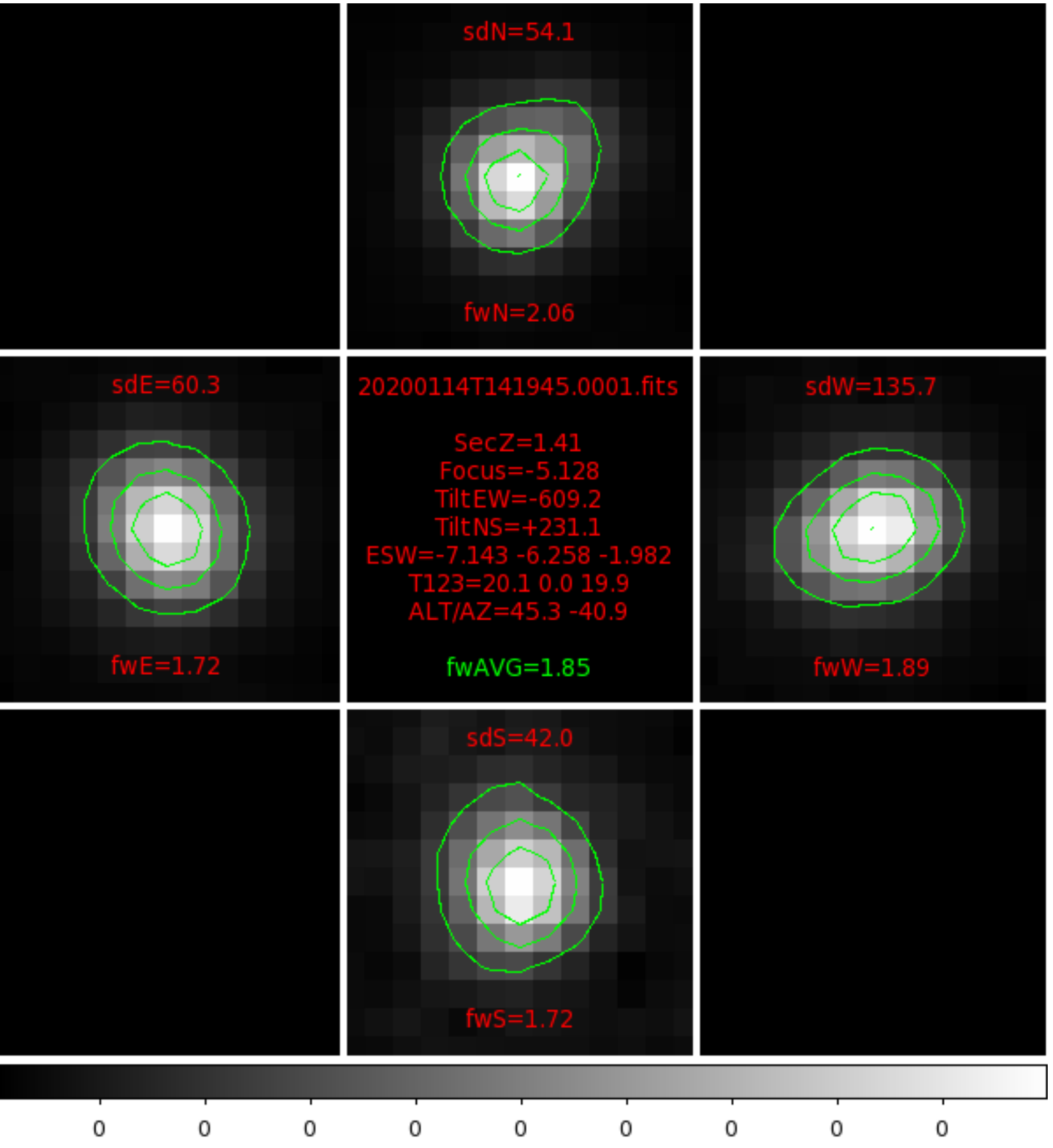
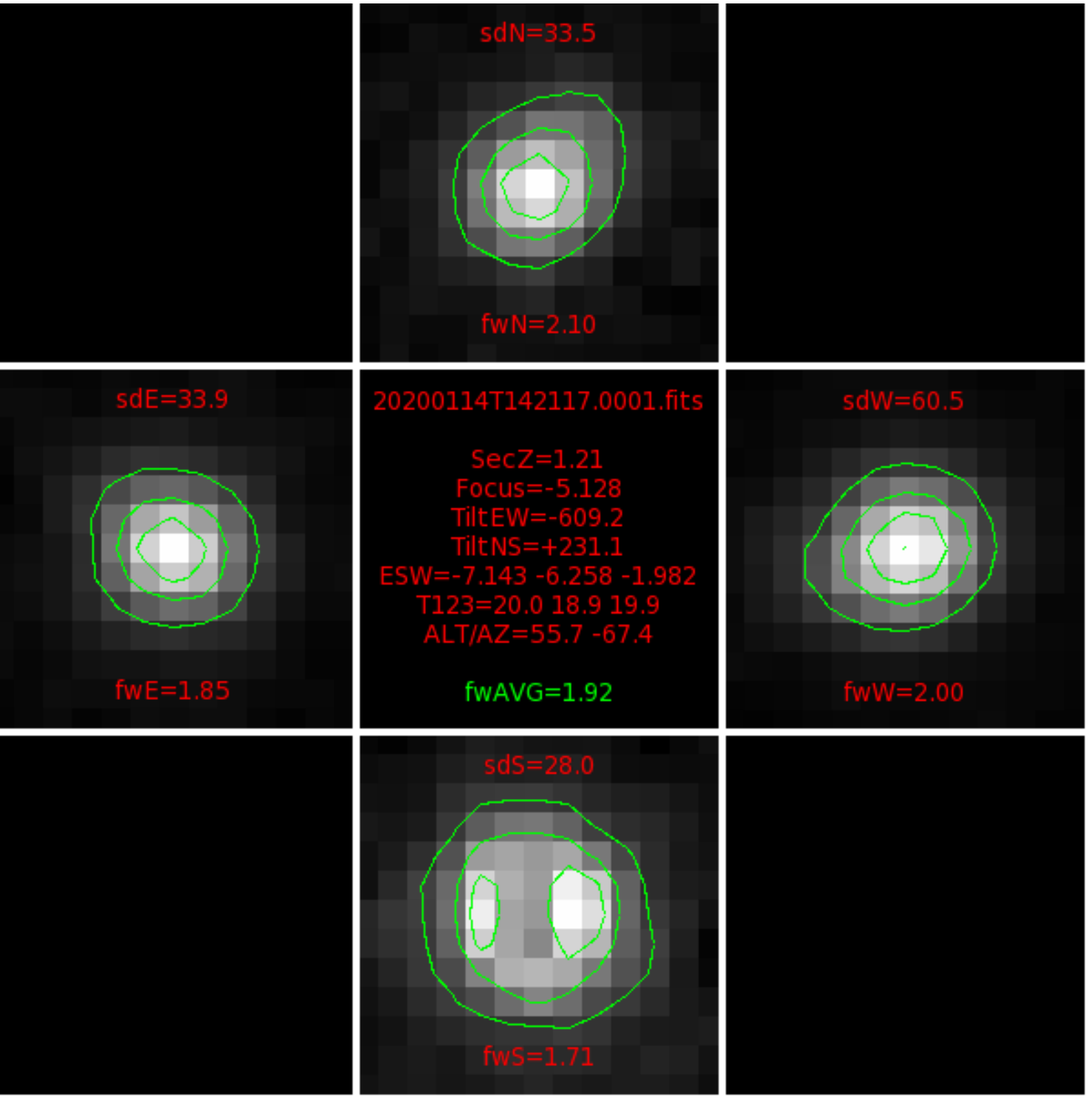
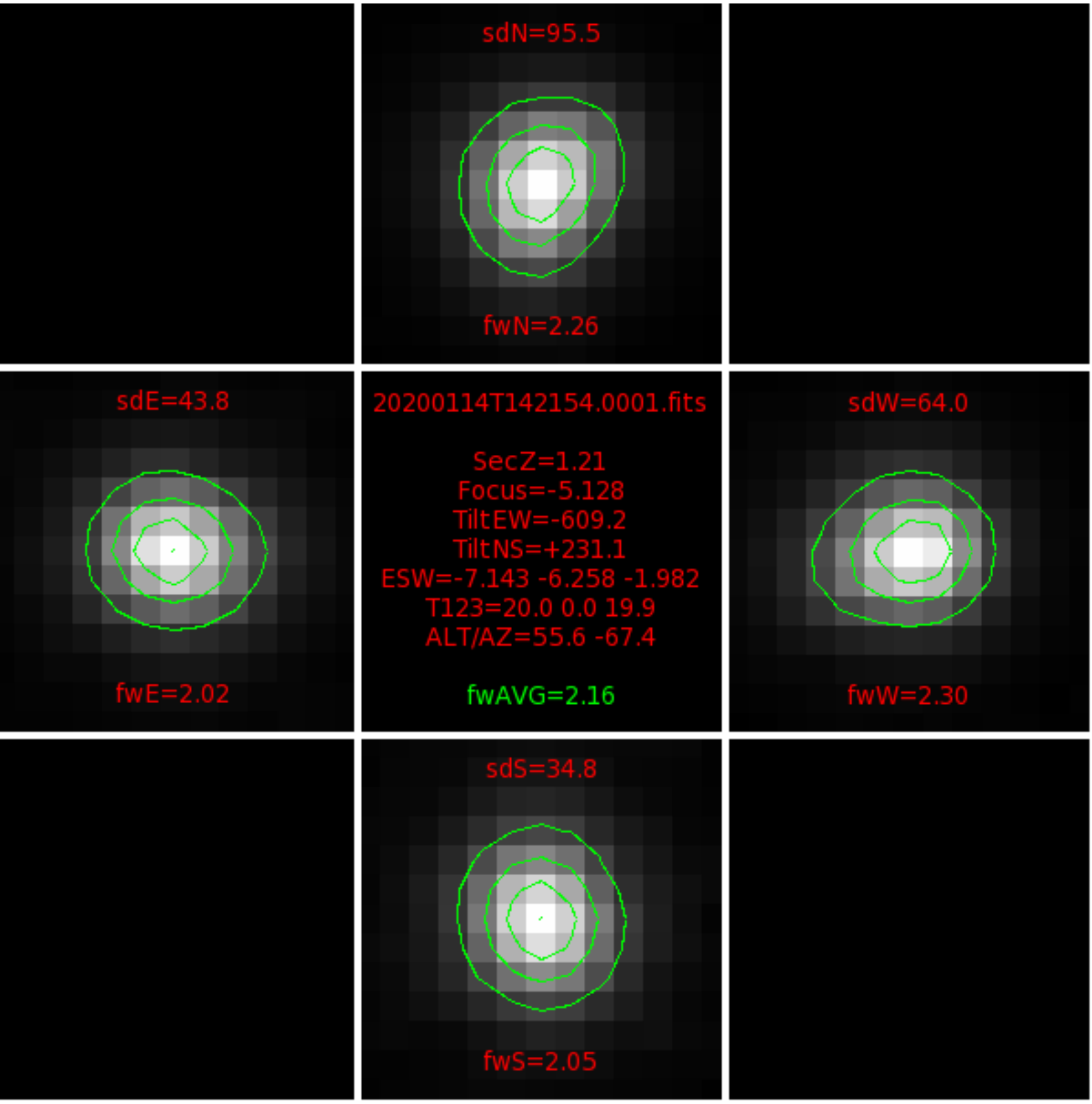
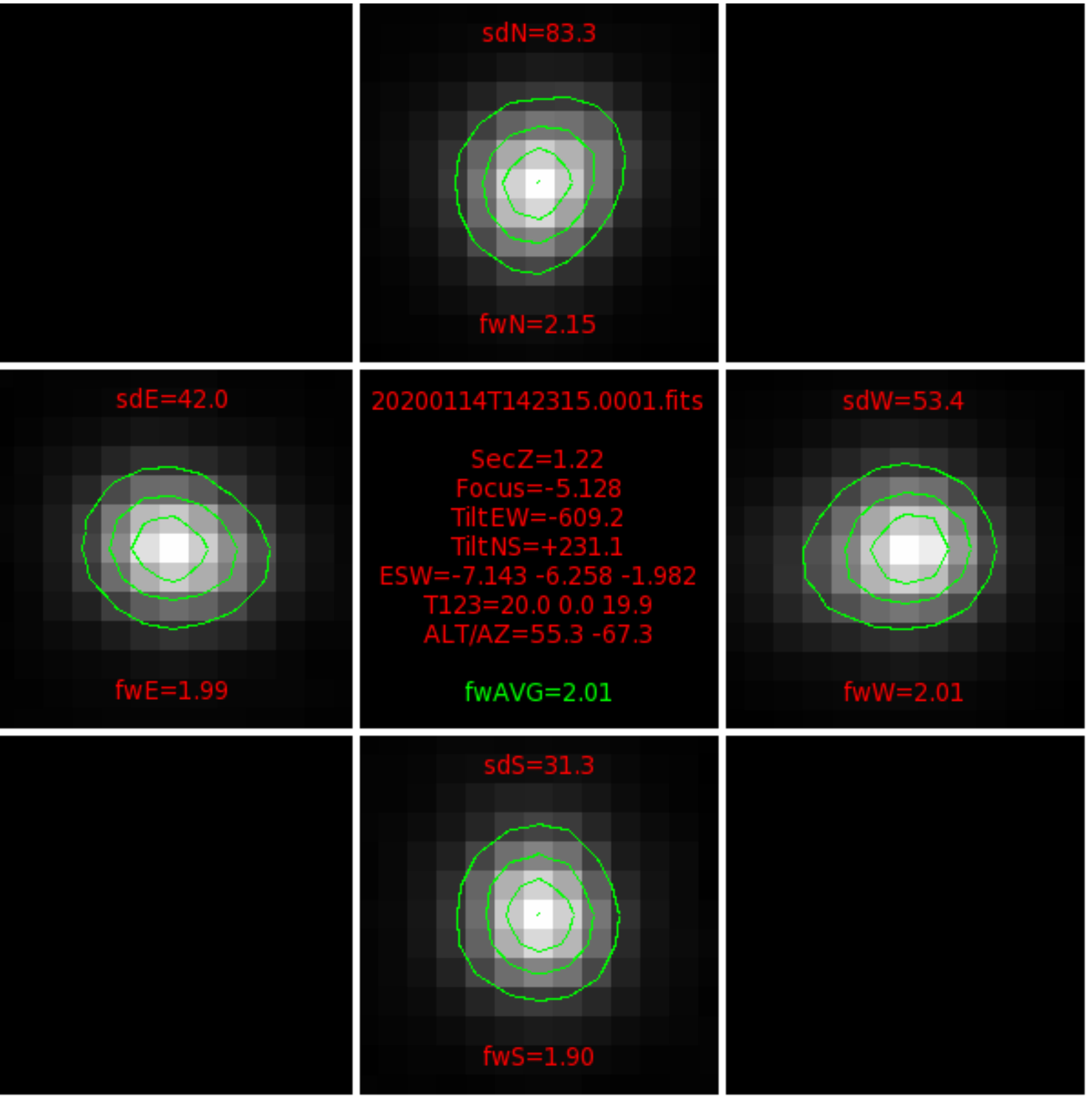
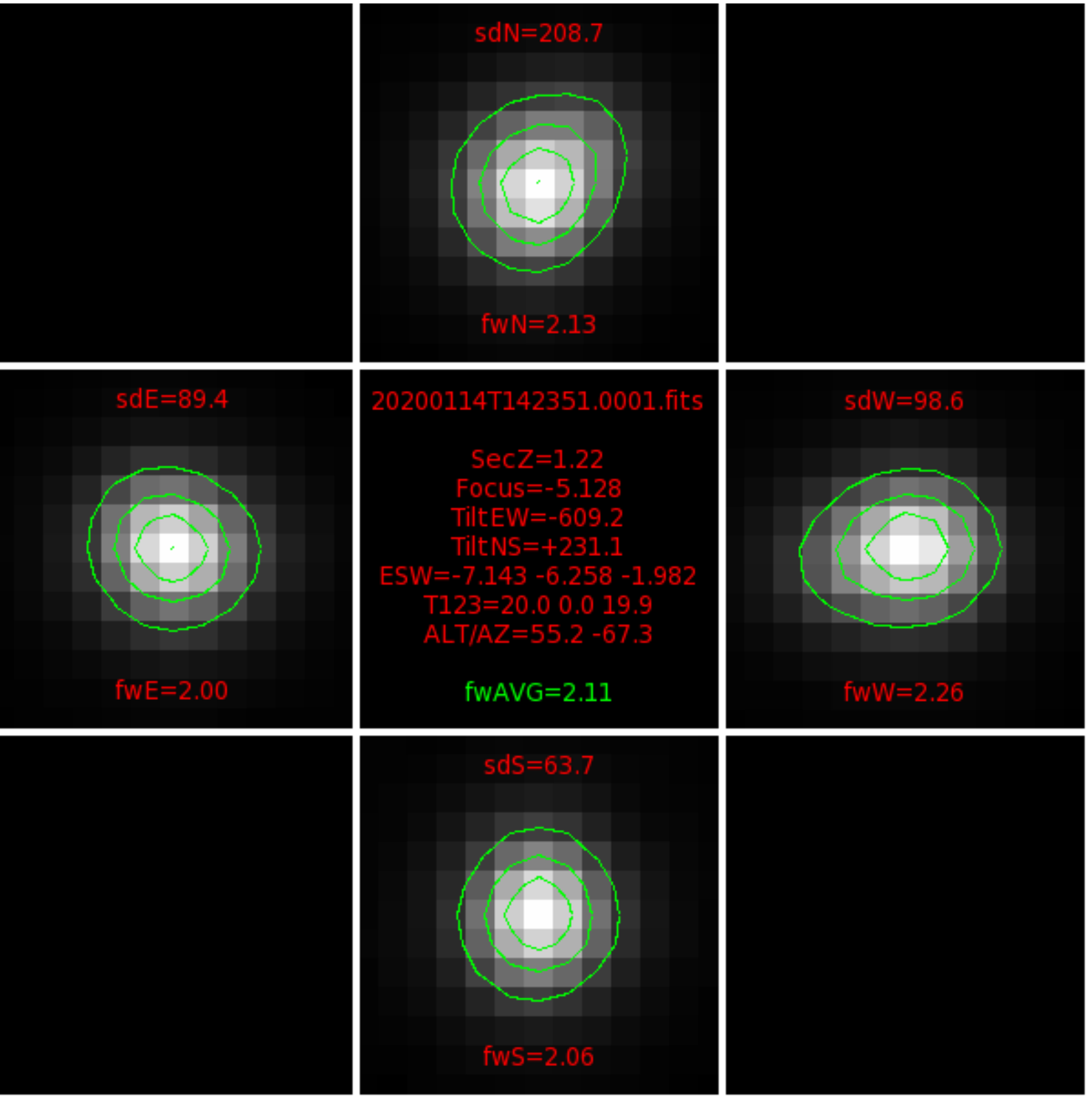
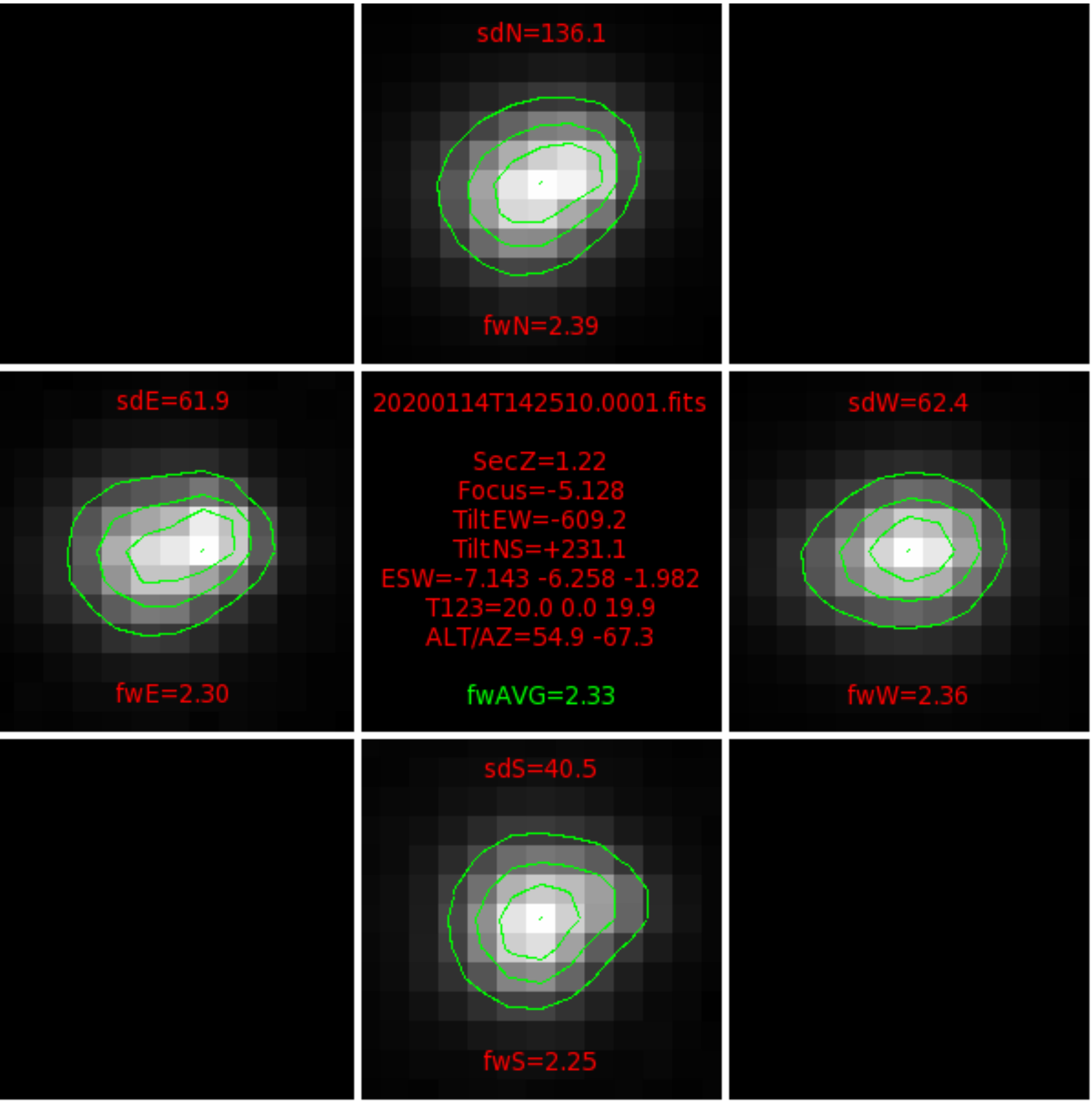

sdN=54.1
fwN=2.06
sdE=60.3
fwE=1.72
20200114T141945.0001.fits
SecZ=1.41
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.1 0.0 19.9
ALT/AZ=45.3 -40.9
fwAVG=1.85
sdW=135.7
fwW=1.89
sdS=42.0
fwS=1.72
0 0 0 0 0 0 0 0 0

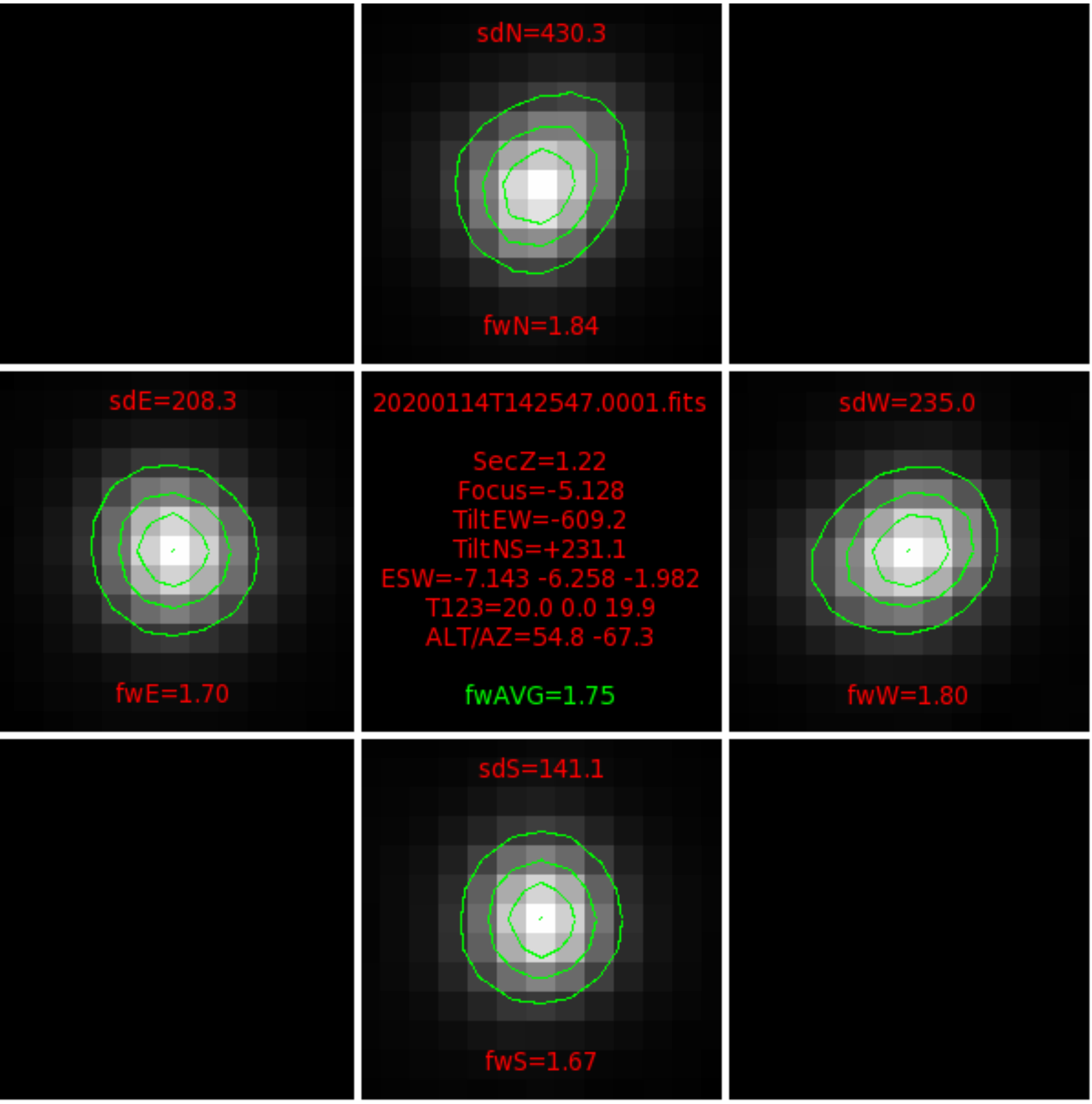

sdN=33.5
fwN=2.10
sdE=33.9
fwE=1.85
20200114T142117.0001.fits
SecZ=1.21
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.0 18.9 19.9
ALT/AZ=55.7 -67.4
fwAVG=1.92
sdW=60.5
fwW=2.00
sdS=28.0
fwS=1.71
0 0 0 0 0 0 0 0 0

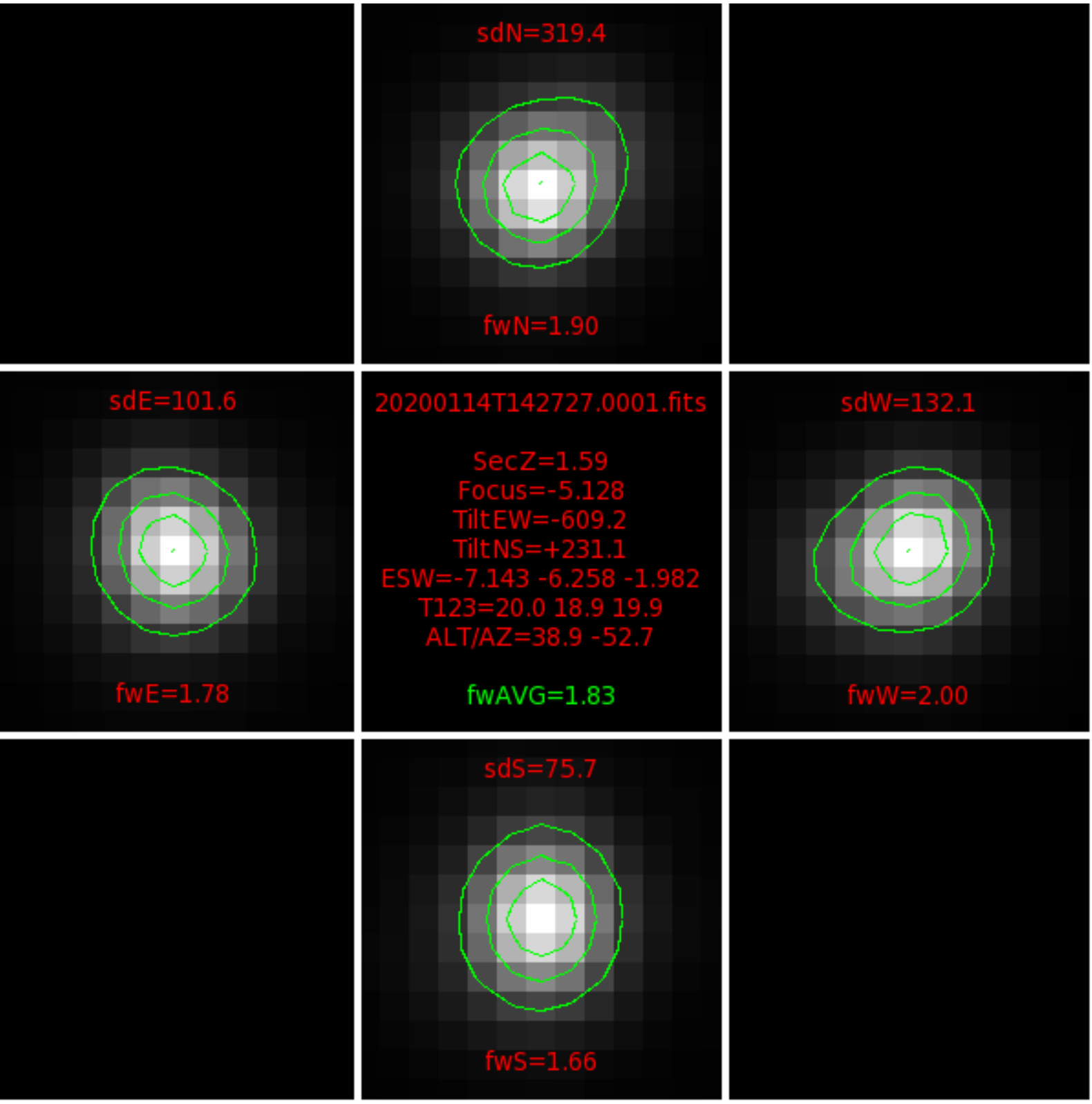

sdN=95.5
fwN=2.26
sdE=43.8
fwE=2.02
20200114T142154.0001.fits
SecZ=1.21
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.0 0.0 19.9
ALT/AZ=55.6 -67.4
fwAVG=2.16
sdW=64.0
fwW=2.30
sdS=34.8
fwS=2.05
0 0 0 0 0 0 0 0 0

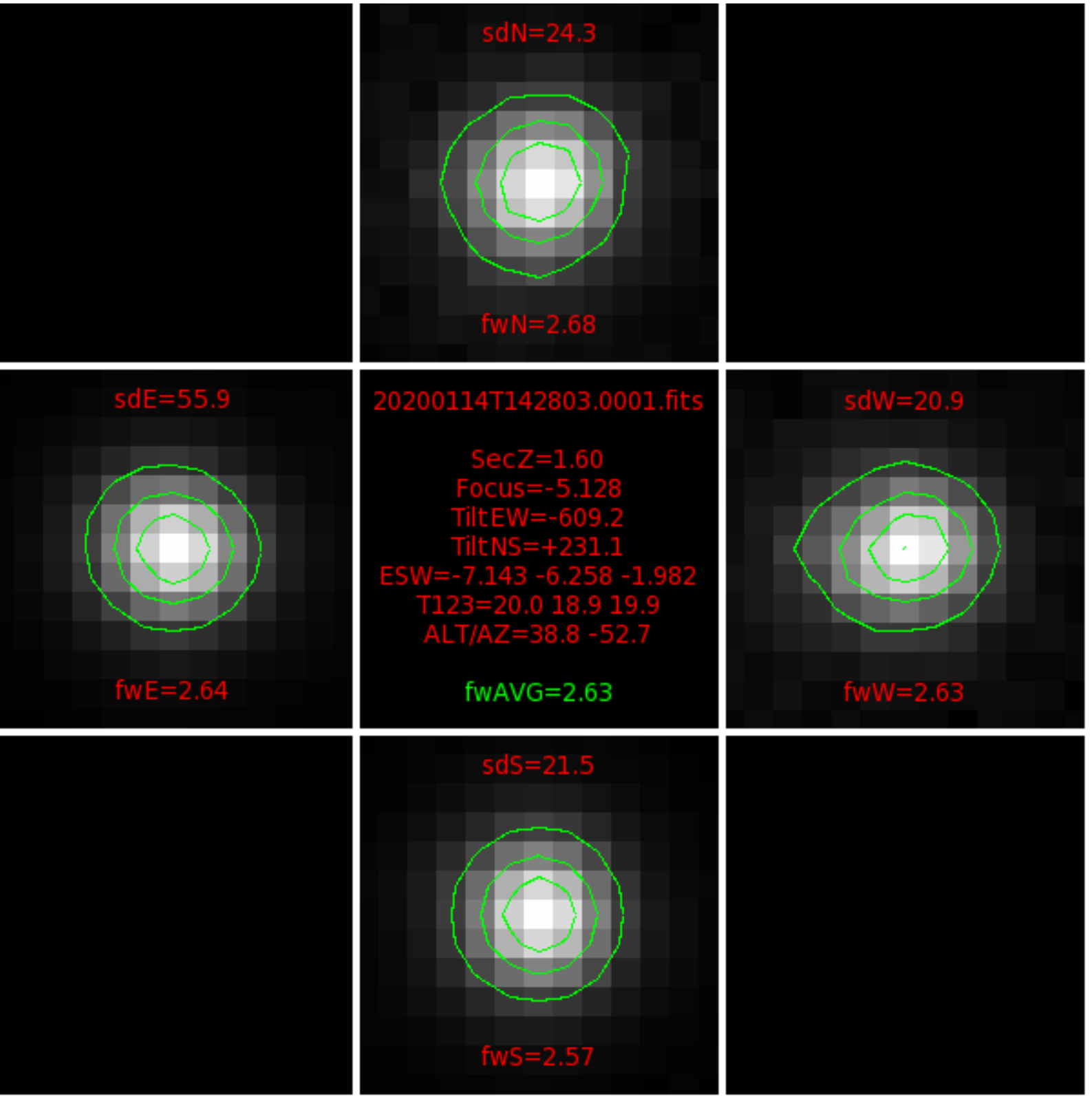

sdN=83.3
fwN=2.15
sdE=42.0
fwE=1.99
20200114T142315.0001.fits
SecZ=1.22
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.0 0.0 19.9
ALT/AZ=55.3 -67.3
fwAVG=2.01
sdW=53.4
fwW=2.01
sdS=31.3
fwS=1.90
0 0 0 0 0 0 0 0 0

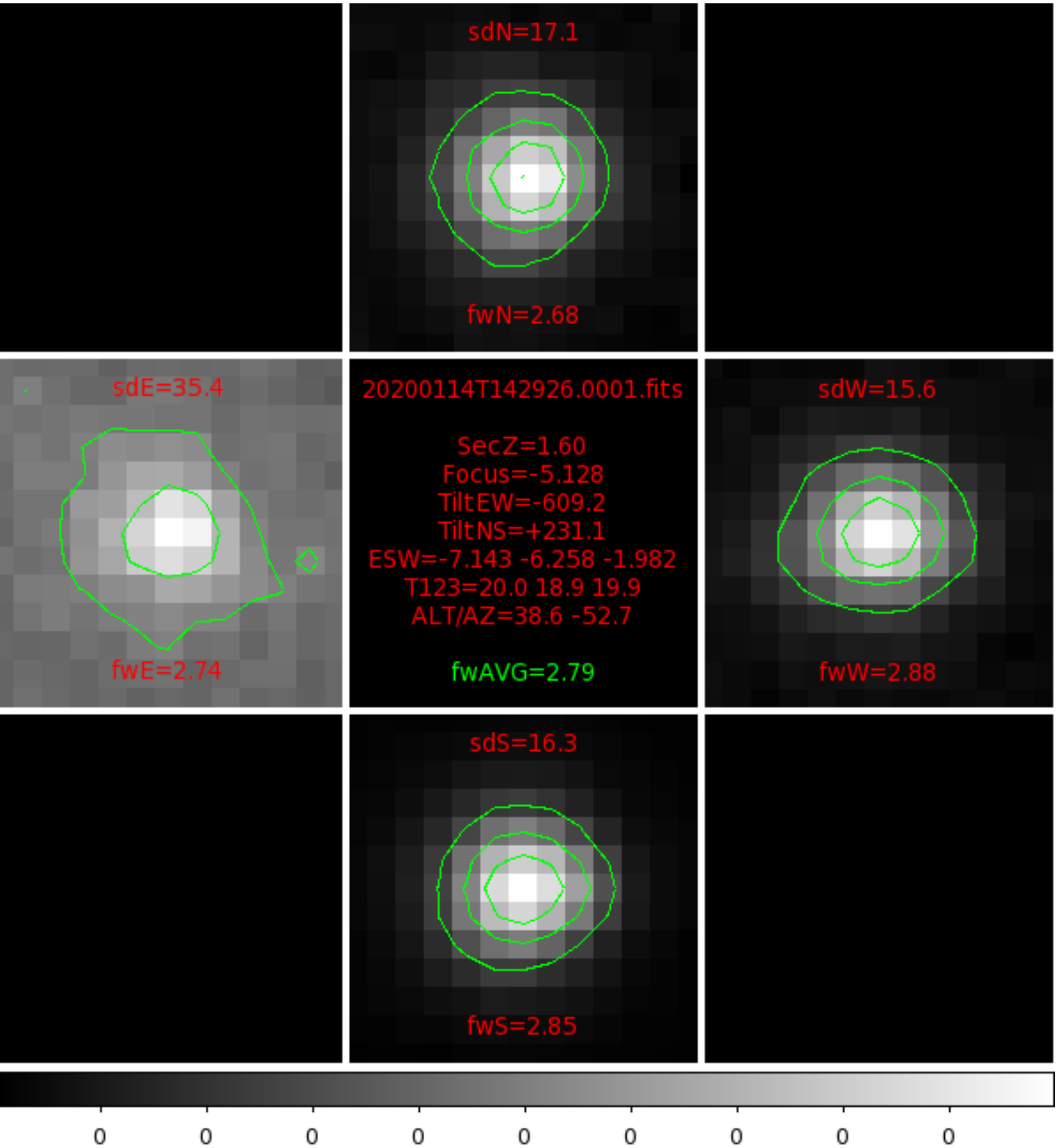

sdN=208.7
fwN=2.13
sdE=89.4
fwE=2.00
20200114T142351.0001.fits
SecZ=1.22
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.0 0.0 19.9
ALT/AZ=55.2 -67.3
fwAVG=2.11
sdW=98.6
fwW=2.26
sdS=63.7
fwS=2.06
0 0 0 0 0 0 0 0 0

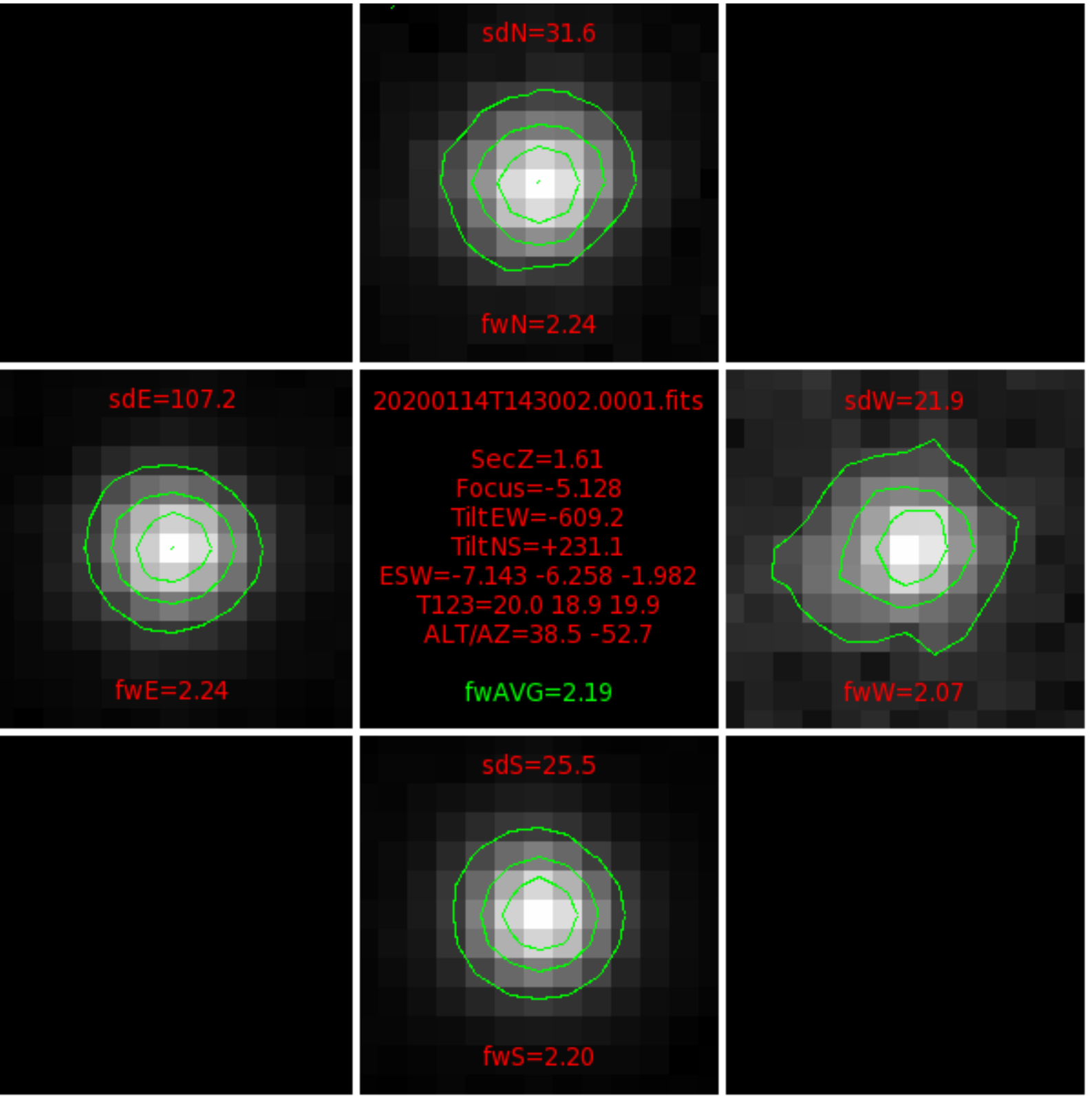

sdN=136.1
fwN=2.39
sdE=61.9
fwE=2.30
20200114T142510.0001.fits
SecZ=1.22
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.0 0.0 19.9
ALT/AZ=54.9 -67.3
fwAVG=2.33
sdW=62.4
fwW=2.36
sdS=40.5
fwS=2.25
0 0 0 0 0 0 0 0 0

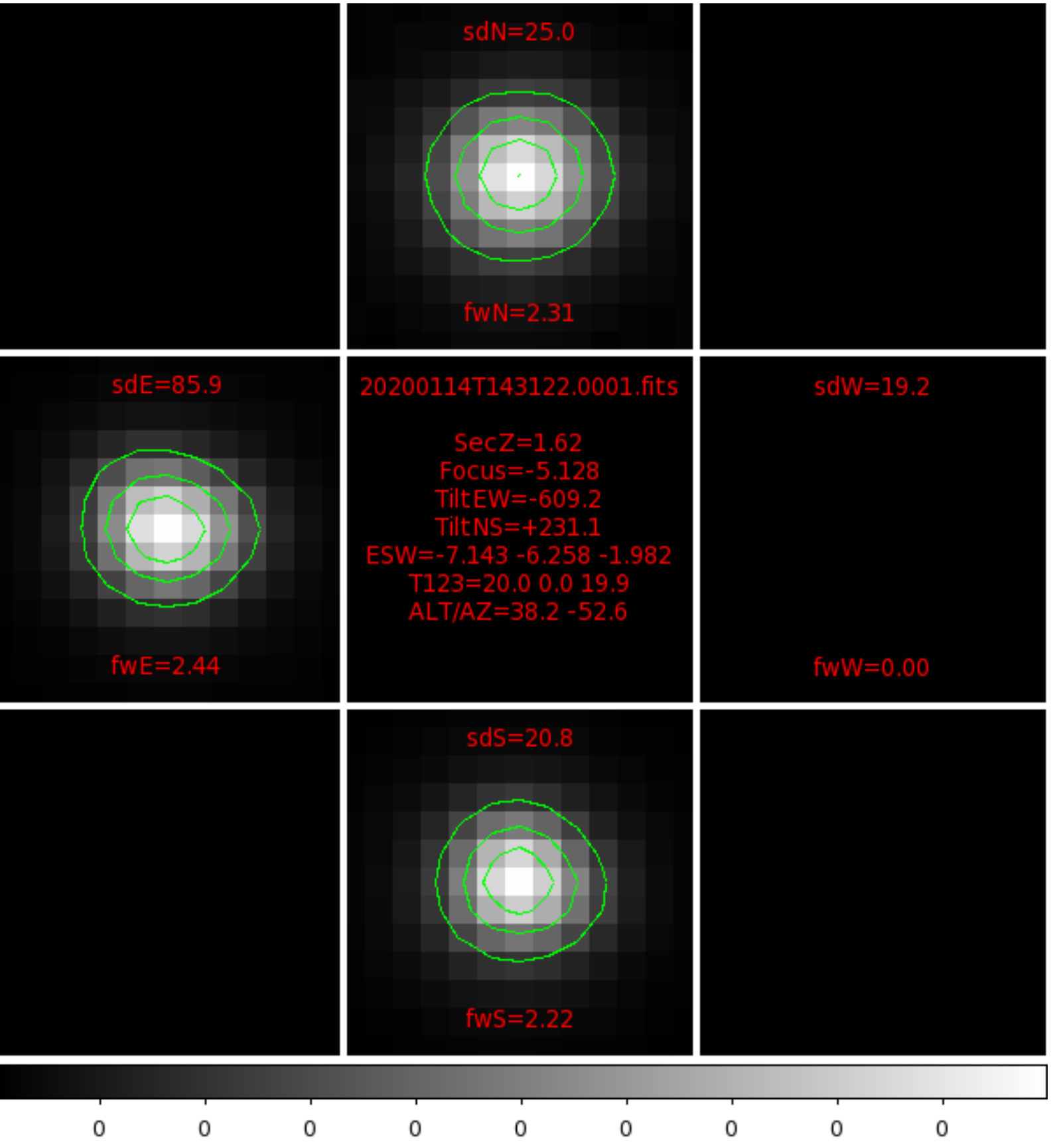

sdN=430.3
fwN=1.84
sdE=208.3
fwE=1.70
20200114T142547.0001.fits
SecZ=1.22
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.0 0.0 19.9
ALT/AZ=54.8 -67.3
fwAVG=1.75
sdW=235.0
fwW=1.80
sdS=141.1
fwS=1.67
0 0 0 0 0 0 0 0 0

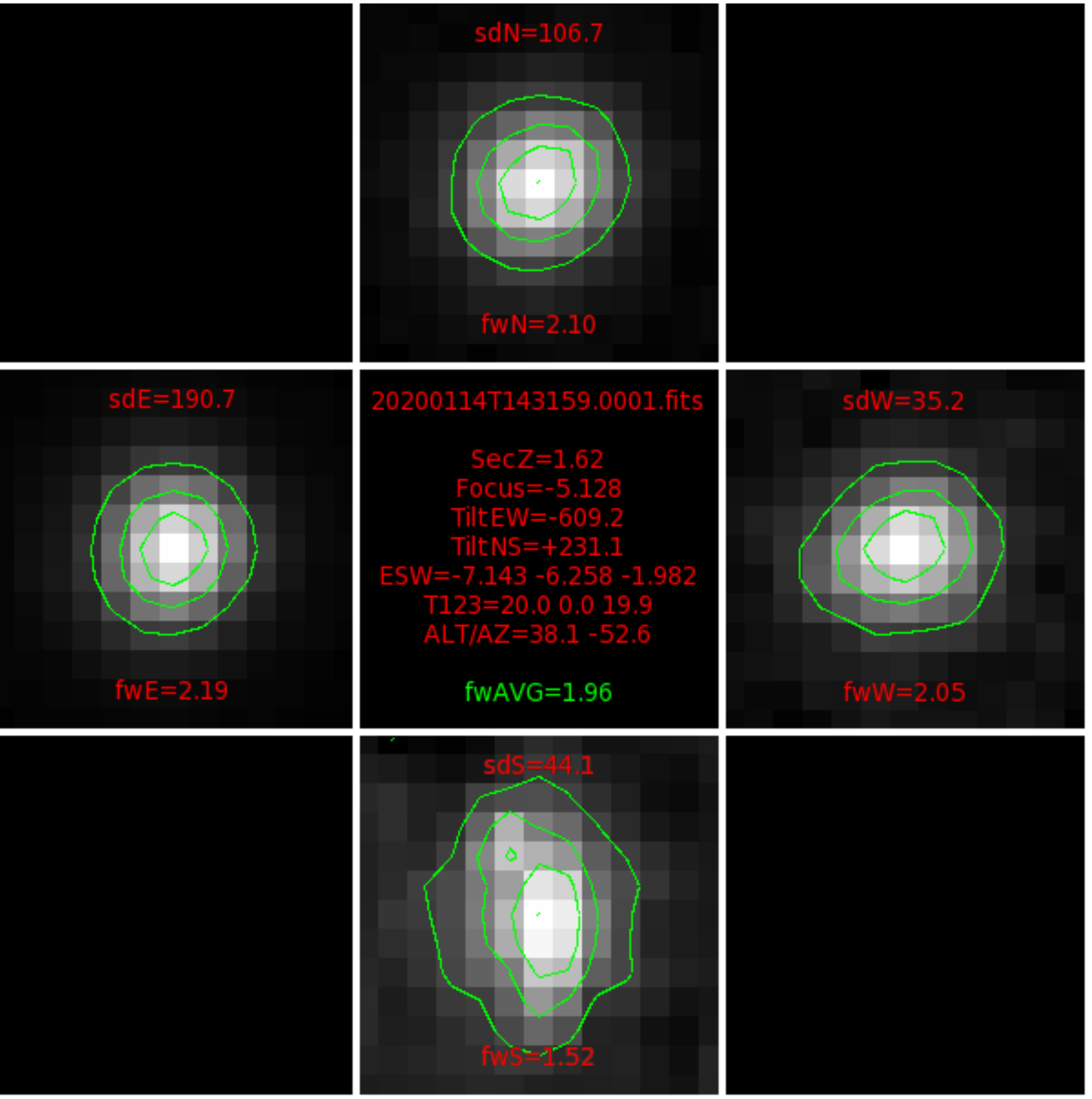

sdN=319.4
fwN=1.90
sdE=101.6
fwE=1.78
20200114T142727.0001.fits
SecZ=1.59
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.0 18.9 19.9
ALT/AZ=38.9 -52.7
fwAVG=1.83
sdW=132.1
fwW=2.00
sdS=75.7
fwS=1.66
0 0 0 0 0 0 0 0 0

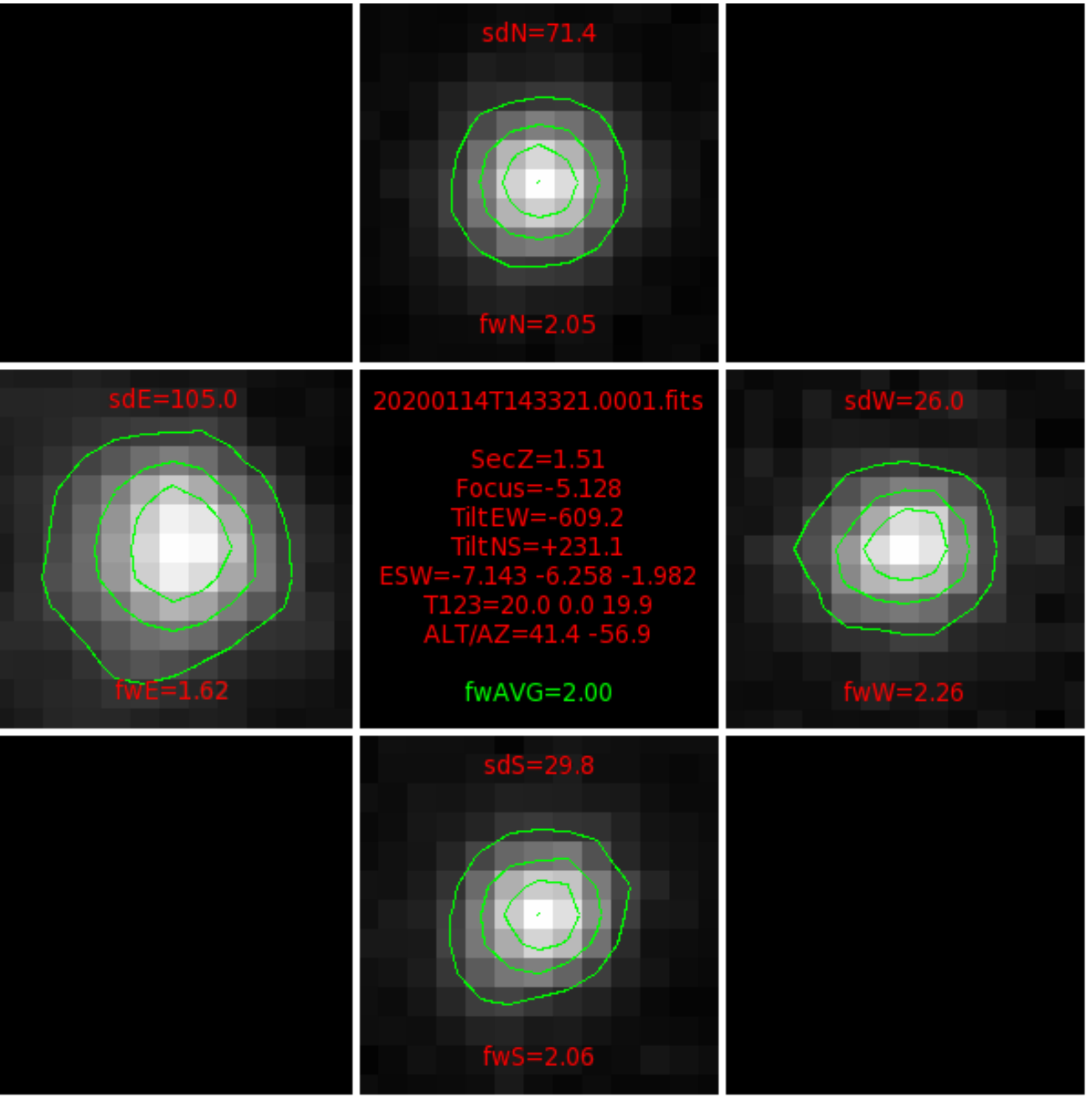

sdN=24.3
fwN=2.68
sdE=55.9
fwE=2.64
20200114T142803.0001.fits
SecZ=1.60
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.0 18.9 19.9
ALT/AZ=38.8 -52.7
fwAVG=2.63
sdW=20.9
fwW=2.63
sdS=21.5
fwS=2.57
0 0 0 0 0 0 0 0 0

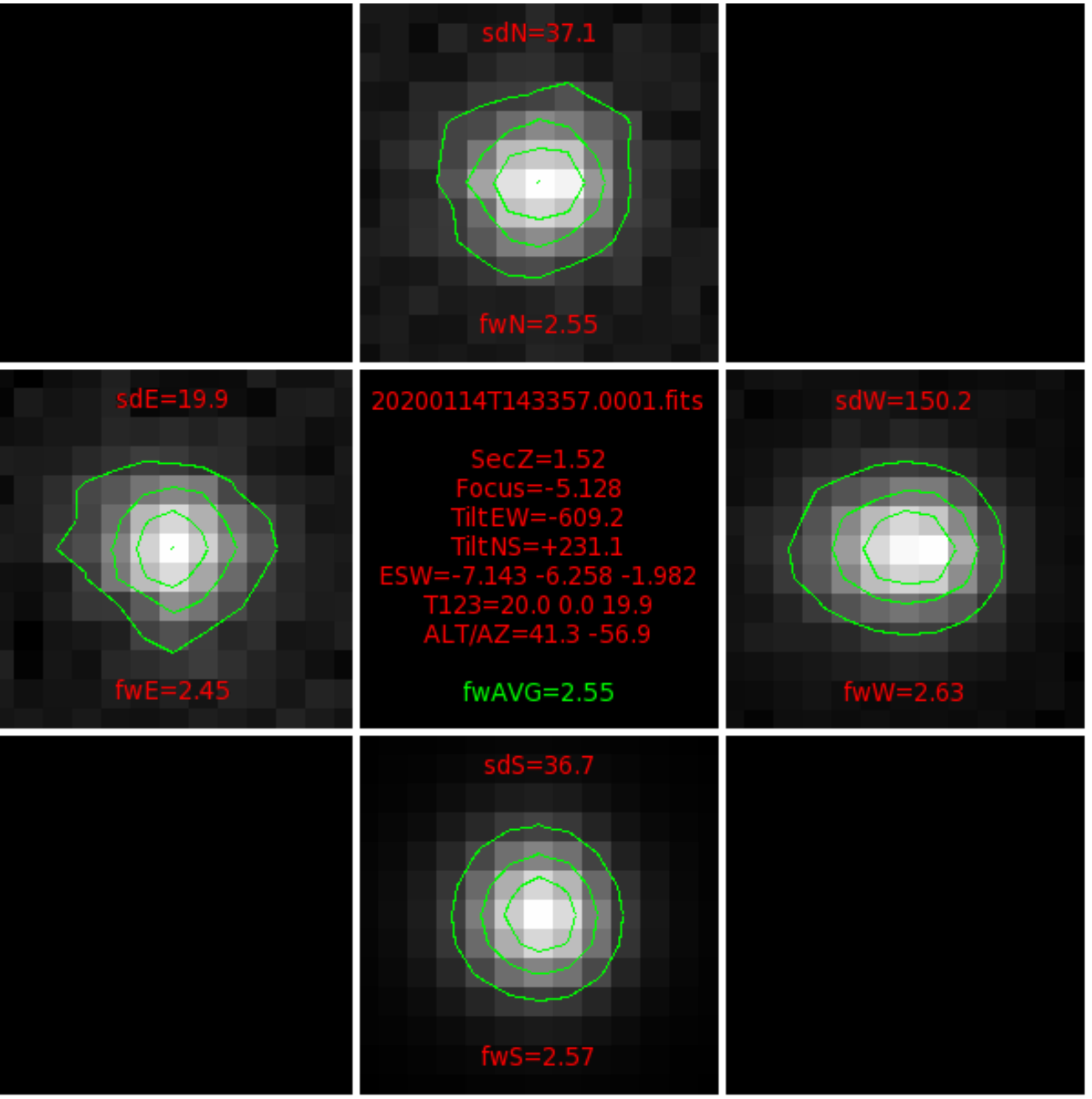

sdN=17.1
fwN=2.68
sdE=35.4
fwE=2.74
20200114T142926.0001.fits
SecZ=1.60
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.0 18.9 19.9
ALT/AZ=38.6 -52.7
fwAVG=2.79
sdW=15.6
fwW=2.88
sdS=16.3
fwS=2.85
0 0 0 0 0 0 0 0 0

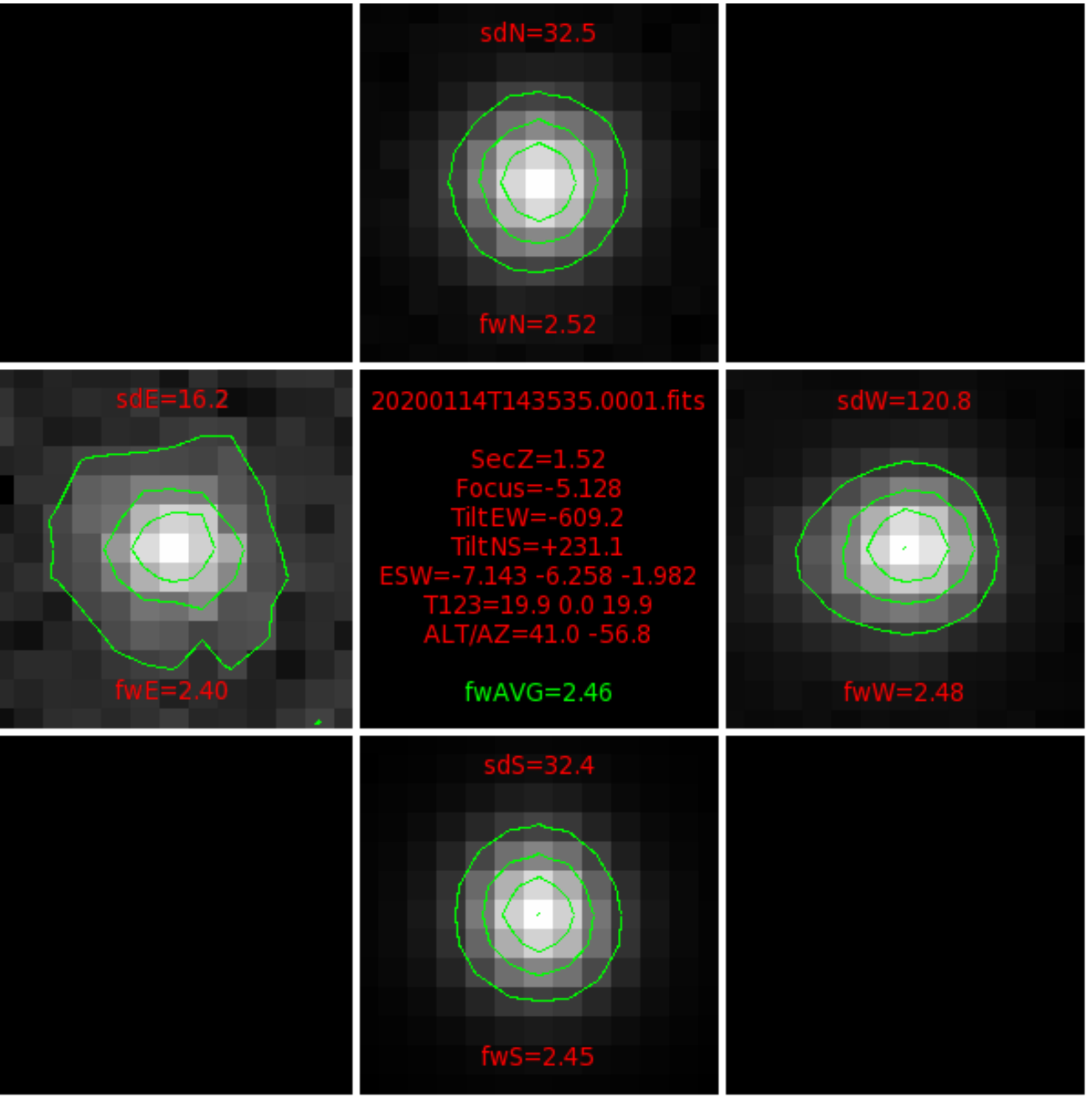

sdN=31.6
fwN=2.24
sdE=107.2
fwE=2.24
20200114T143002.0001.fits
SecZ=1.61
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.0 18.9 19.9
ALT/AZ=38.5 -52.7
fwAVG=2.19
sdW=21.9
fwW=2.07
sdS=25.5
fwS=2.20
0 0 0 0 0 0 0 0 0

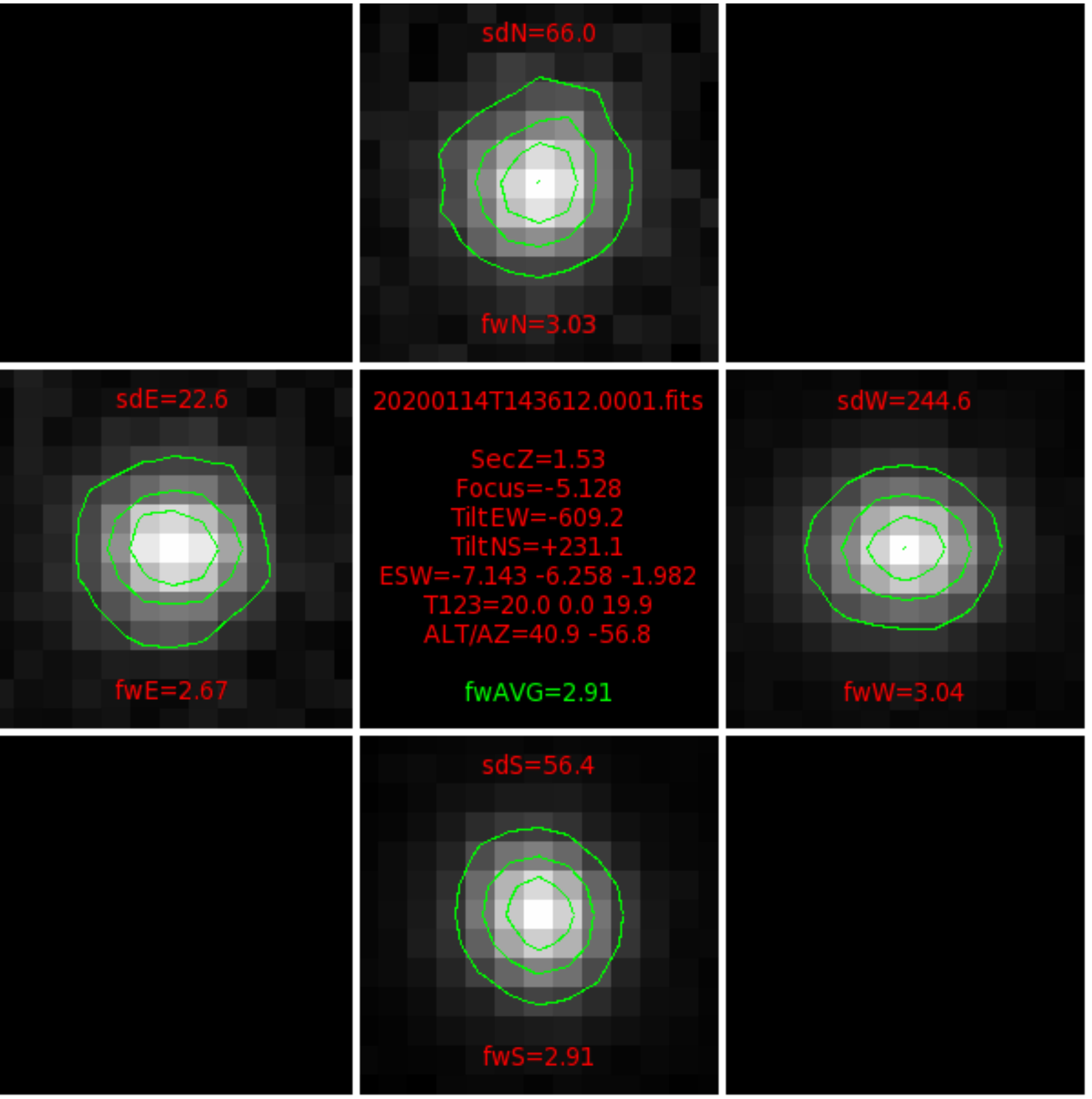

sdN=25.0
fwN=2.31
sdE=85.9
fwE=2.44
20200114T143122.0001.fits
SecZ=1.62
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.0 0.0 19.9
ALT/AZ=38.2 -52.6
sdW=19.2
fwW=0.00
sdS=20.8
fwS=2.22
0 0 0 0 0 0 0 0 0

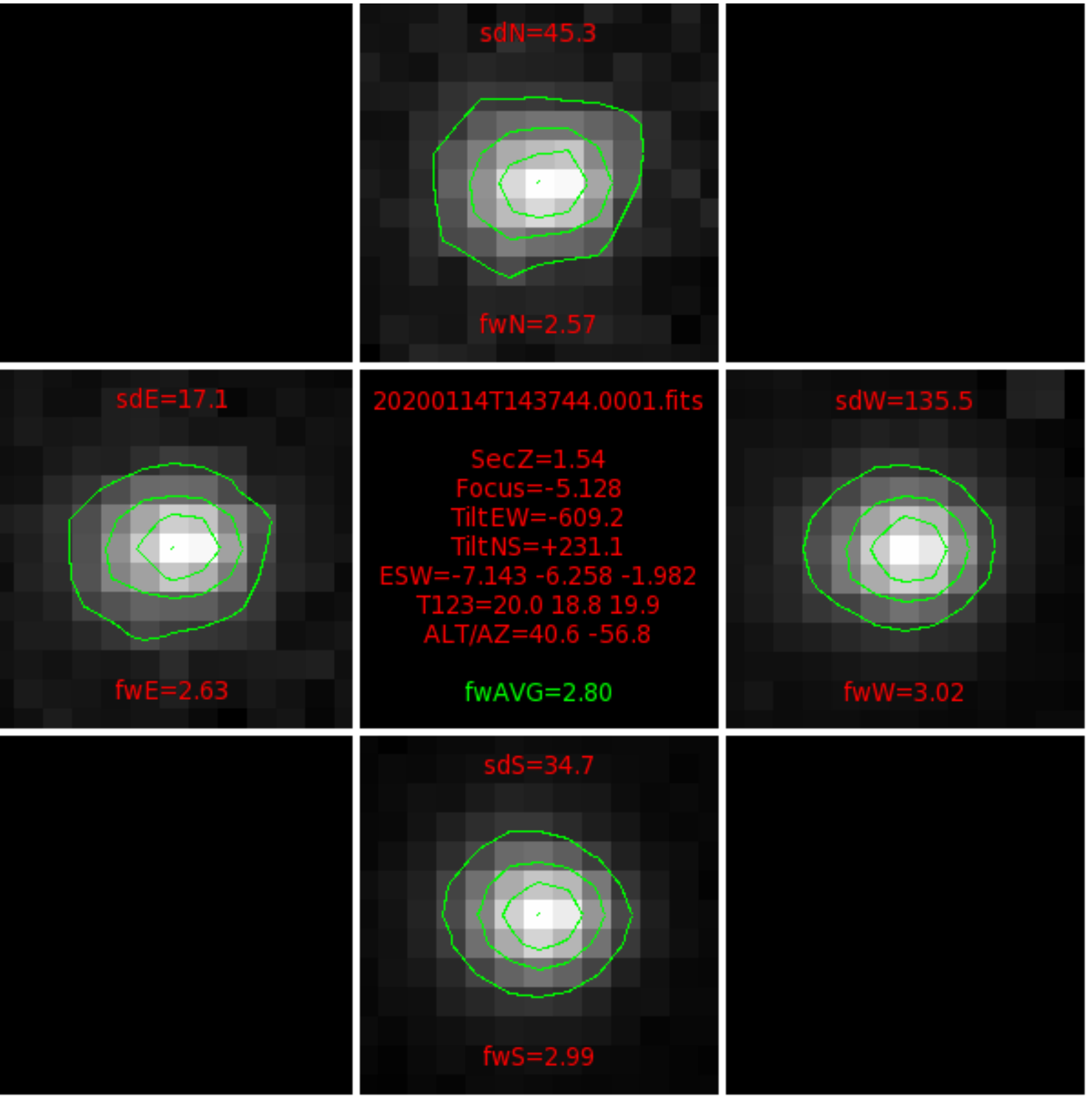

sdN=106.7
fwN=2.10
sdE=190.7
fwE=2.19
20200114T143159.0001.fits
SecZ=1.62
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.0 0.0 19.9
ALT/AZ=38.1 -52.6
fwAVG=1.96
sdW=35.2
fwW=2.05
sdS=44.1
fwS=1.52
0 0 0 0 0 0 0 0 0

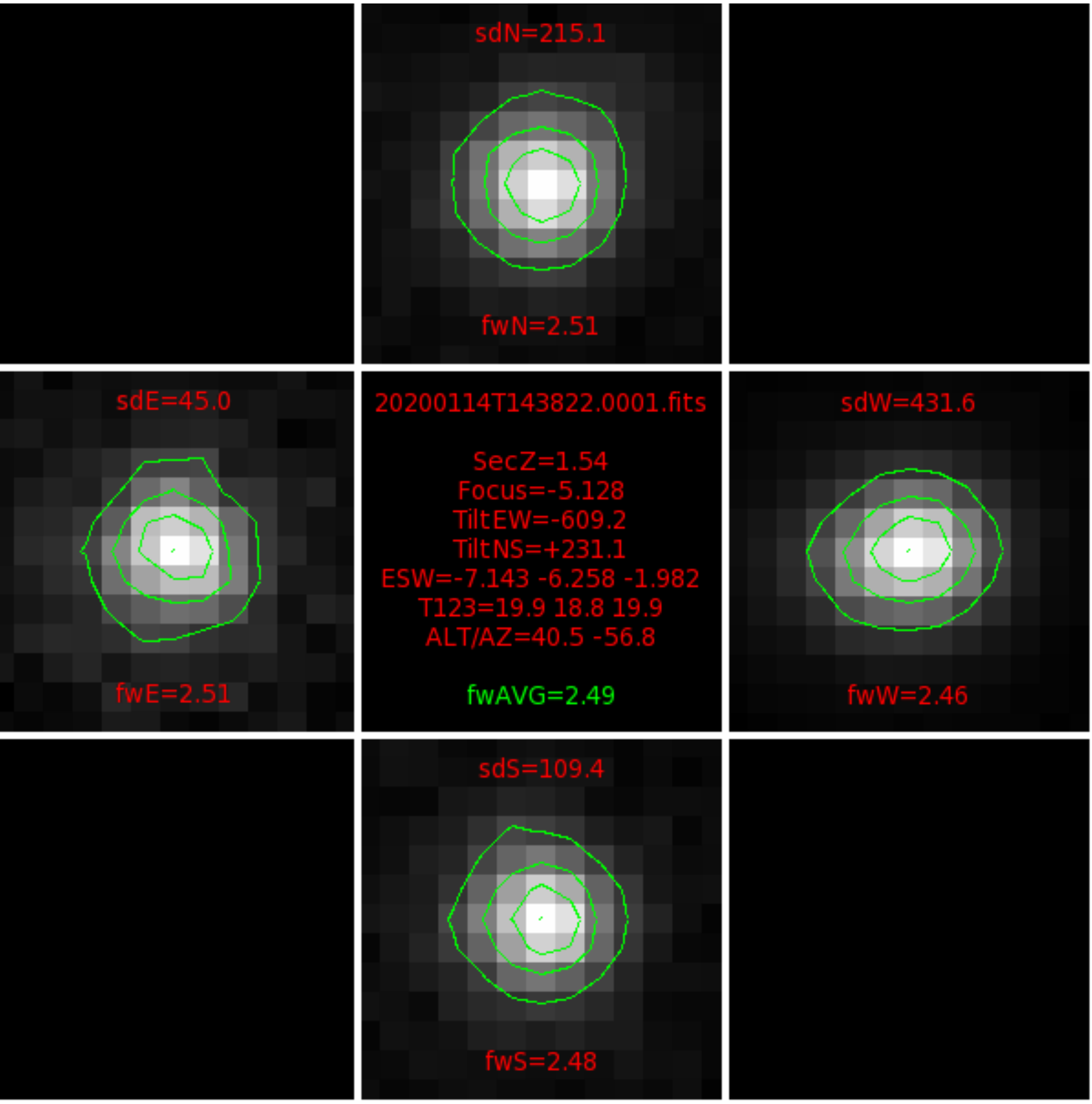

sdN=71.4
fwN=2.05
sdE=105.0
fwE=1.62
20200114T143321.0001.fits
SecZ=1.51
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.0 0.0 19.9
ALT/AZ=41.4 -56.9
fwAVG=2.00
sdW=26.0
fwW=2.26
sdS=29.8
fwS=2.06
0 0 0 0 0 0 0 0 0


sdN=37.1
fwN=2.55
sdE=19.9
fwE=2.45
20200114T143357.0001.fits
SecZ=1.52
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.0 0.0 19.9
ALT/AZ=41.3 -56.9
fwAVG=2.55
sdW=150.2
fwW=2.63
sdS=36.7
fwS=2.57
0 0 0 0 0 0 0 0 0


sdN=32.5
fwN=2.52
sdE=16.2
fwE=2.40
20200114T143535.0001.fits
SecZ=1.52
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=19.9 0.0 19.9
ALT/AZ=41.0 -56.8
fwAVG=2.46
sdW=120.8
fwW=2.48
sdS=32.4
fwS=2.45
0 0 0 0 0 0 0 0 0


sdN=66.0
fwN=3.03
sdE=22.6
fwE=2.67
20200114T143612.0001.fits
SecZ=1.53
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.0 0.0 19.9
ALT/AZ=40.9 -56.8
fwAVG=2.91
sdW=244.6
fwW=3.04
sdS=56.4
fwS=2.91
0 0 0 0 0 0 0 0 0


sdN=45.3
fwN=2.57
sdE=17.1
fwE=2.63
20200114T143744.0001.fits
SecZ=1.54
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=20.0 18.8 19.9
ALT/AZ=40.6 -56.8
fwAVG=2.80
sdW=135.5
fwW=3.02
sdS=34.7
fwS=2.99
0 0 0 0 0 0 0 0 0


sdN=215.1
fwN=2.51
sdE=45.0
fwE=2.51
20200114T143822.0001.fits
SecZ=1.54
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=19.9 18.8 19.9
ALT/AZ=40.5 -56.8
fwAVG=2.49
sdW=431.6
fwW=2.46
sdS=109.4
fwS=2.48
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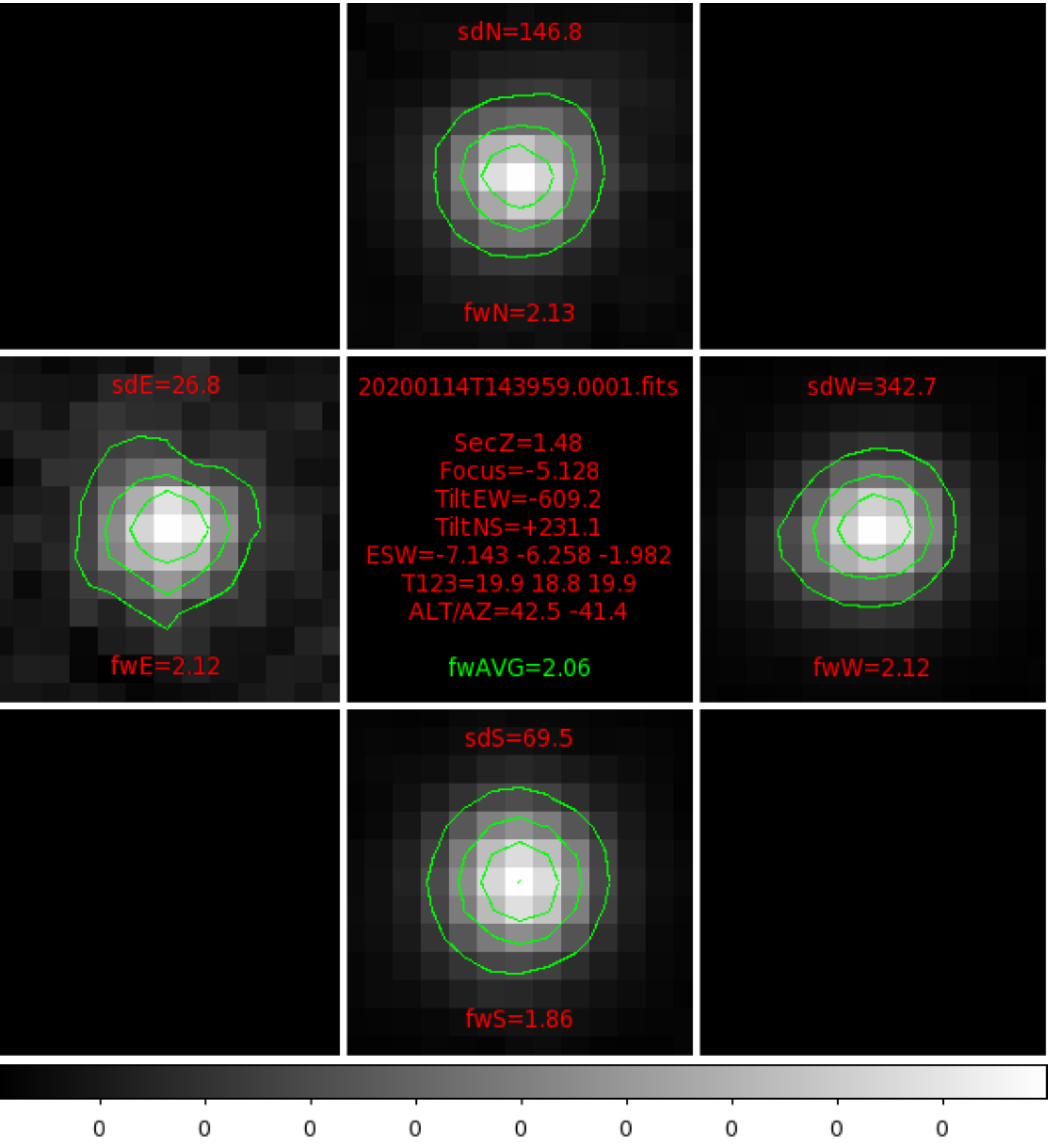
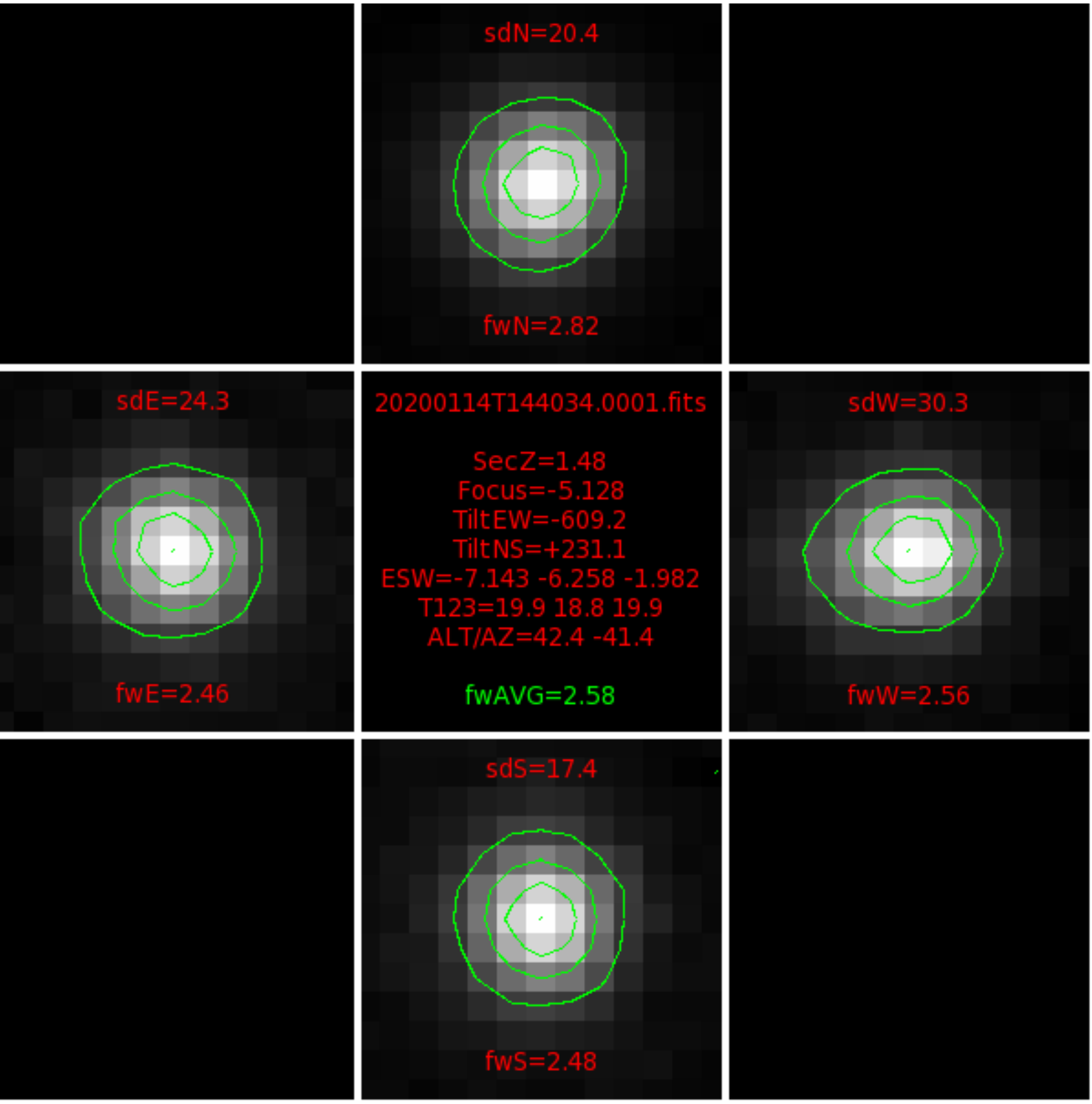
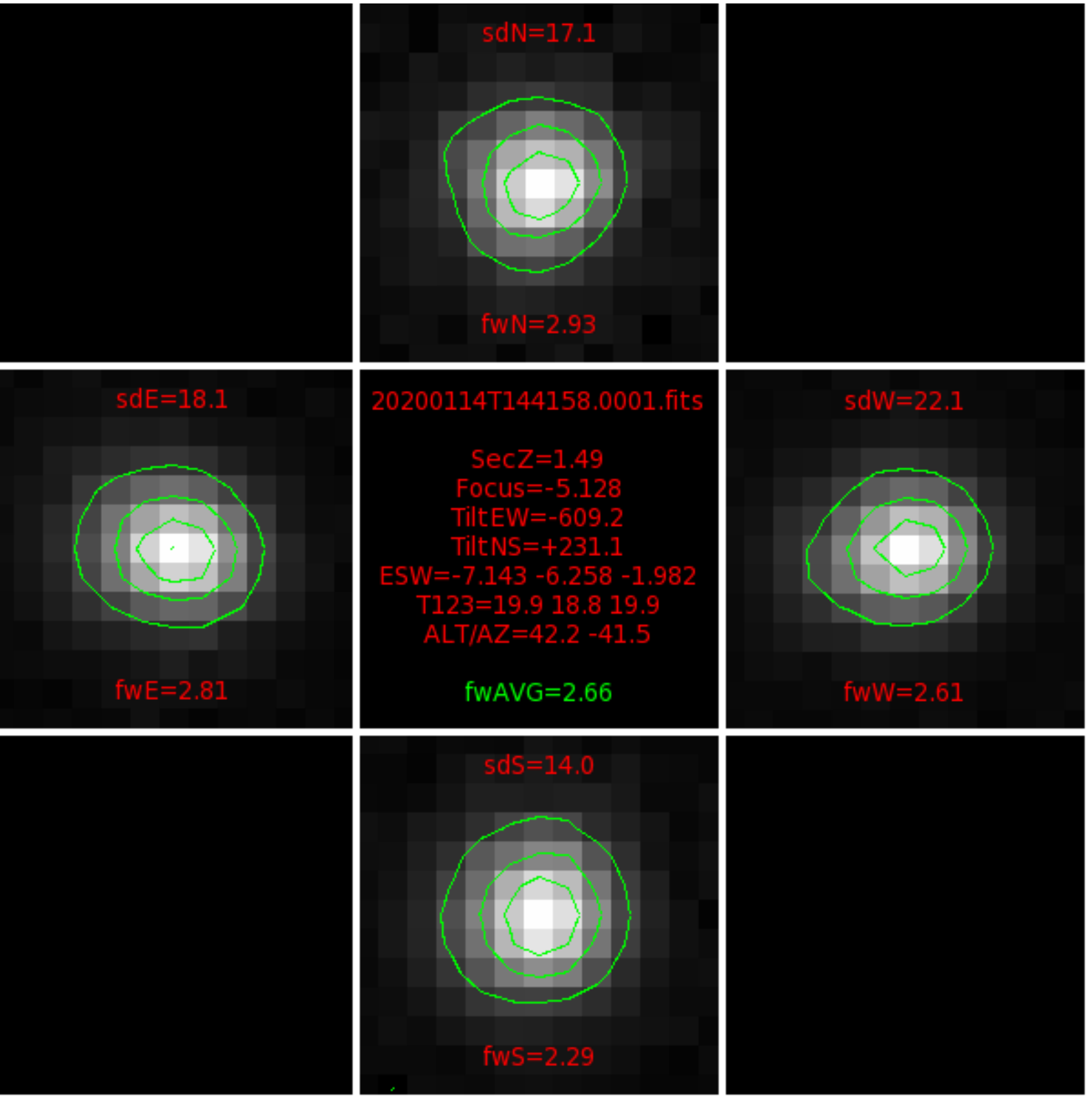
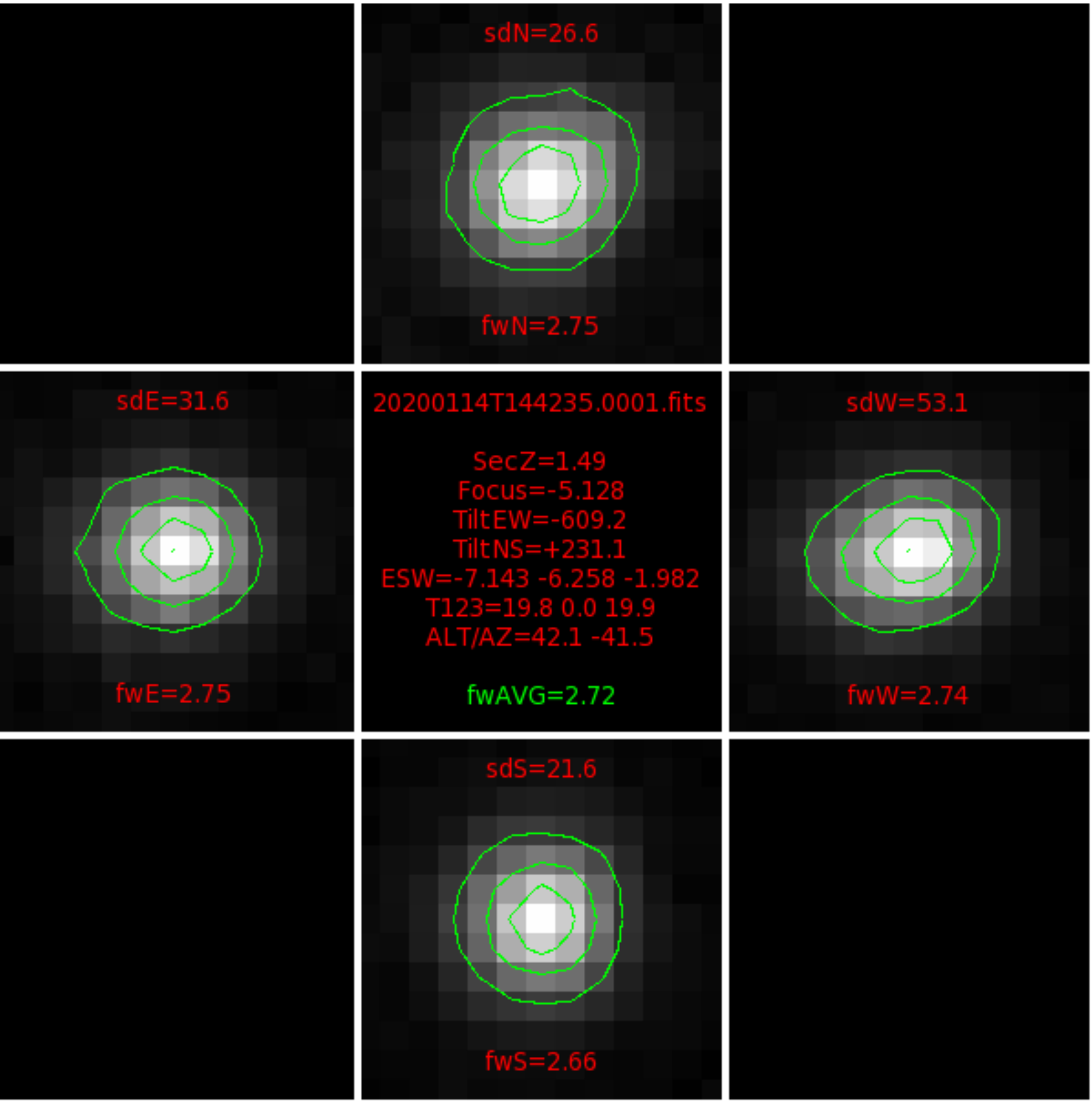
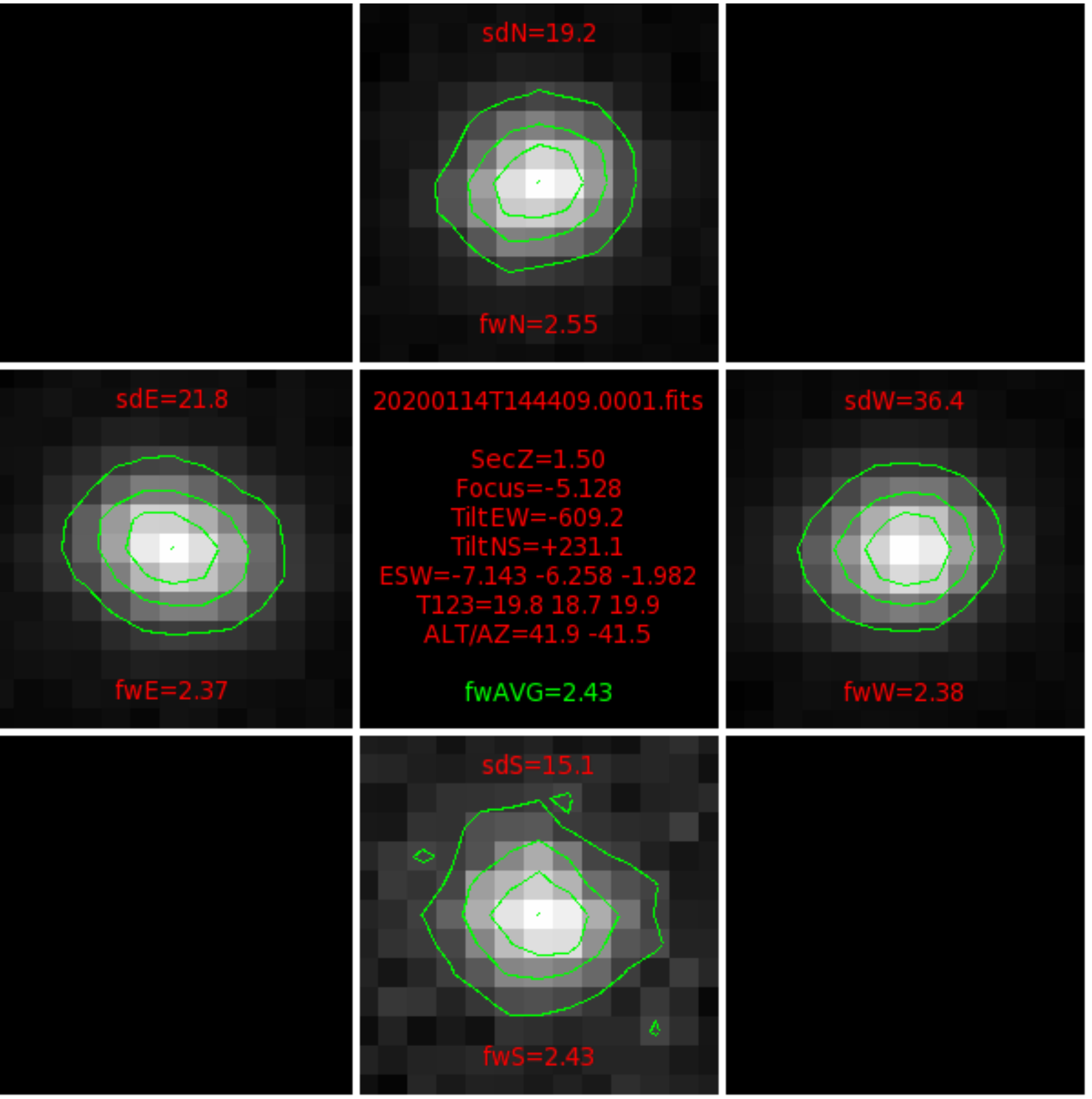
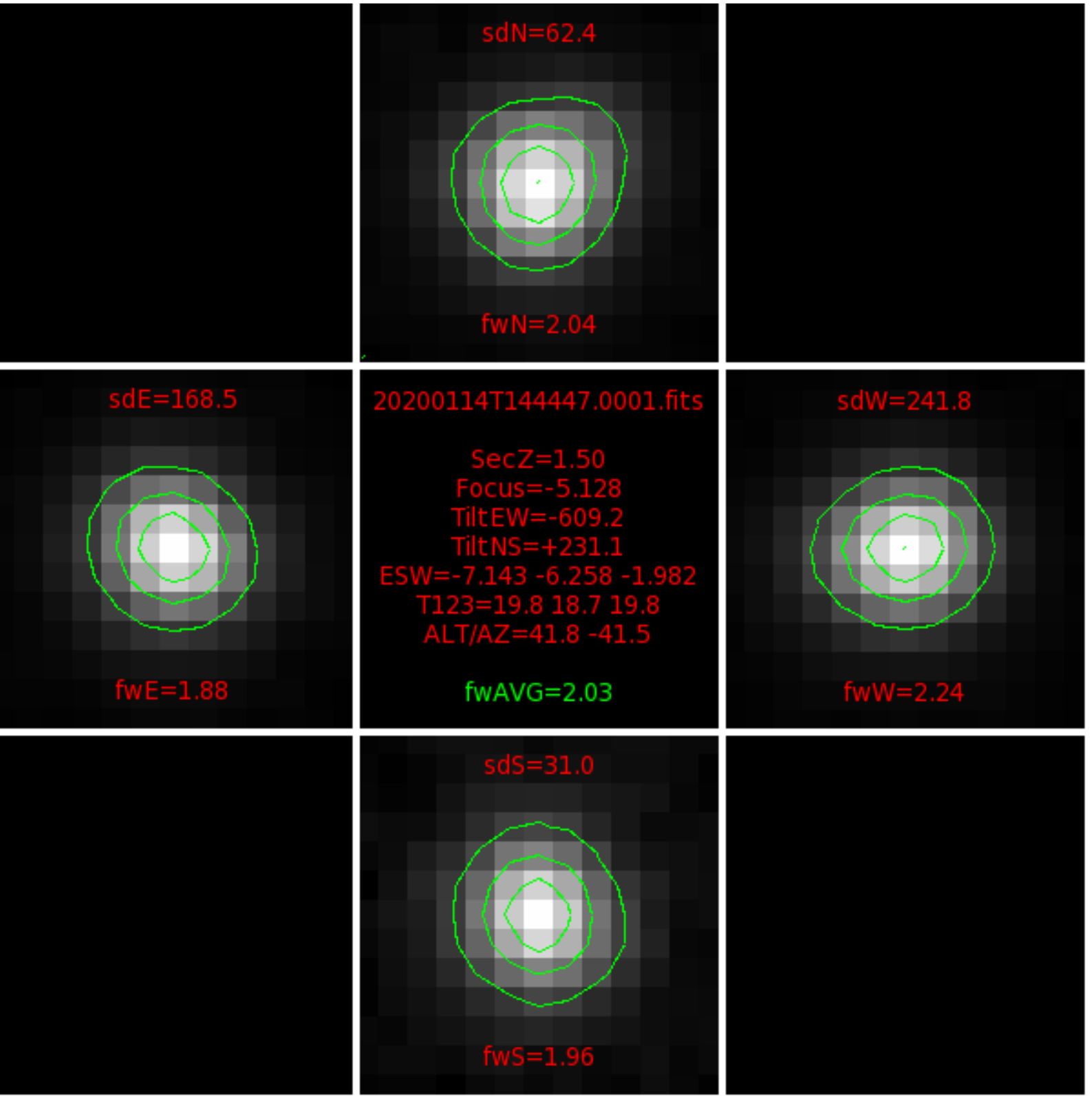

sdN=146.8
fwN=2.13
sdE=26.8
fwE=2.12
20200114T143959.0001.fits
SecZ=1.48
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=19.9 18.8 19.9
ALT/AZ=42.5 -41.4
fwAVG=2.06
sdW=342.7
fwW=2.12
sdS=69.5
fwS=1.86
0 0 0 0 0 0 0 0 0

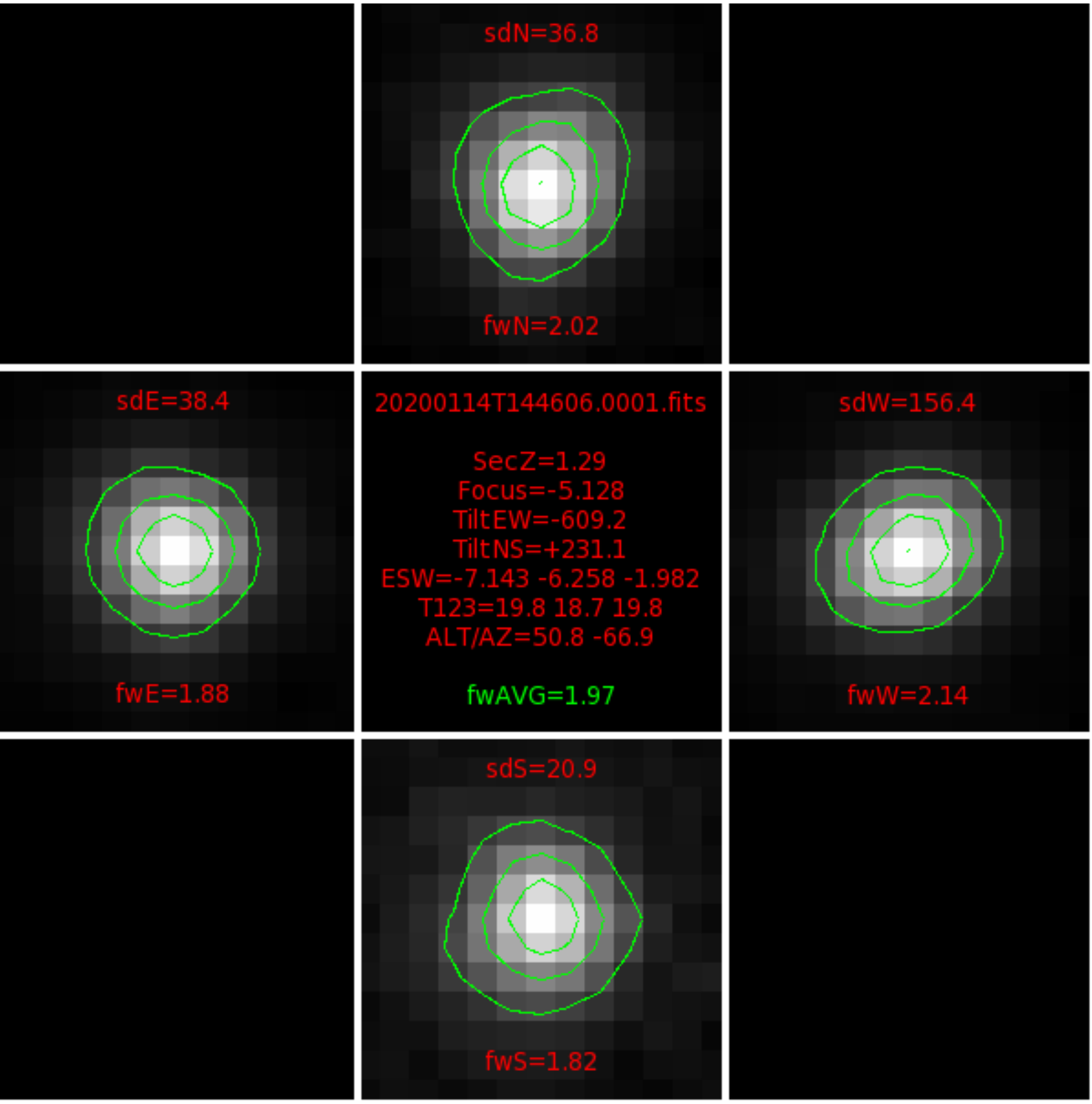

sdN=20.4
fwN=2.82
sdE=24.3
fwE=2.46
20200114T144034.0001.fits
SecZ=1.48
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=19.9 18.8 19.9
ALT/AZ=42.4 -41.4
fwAVG=2.58
sdW=30.3
fwW=2.56
sdS=17.4
fwS=2.48
0 0 0 0 0 0 0 0 0

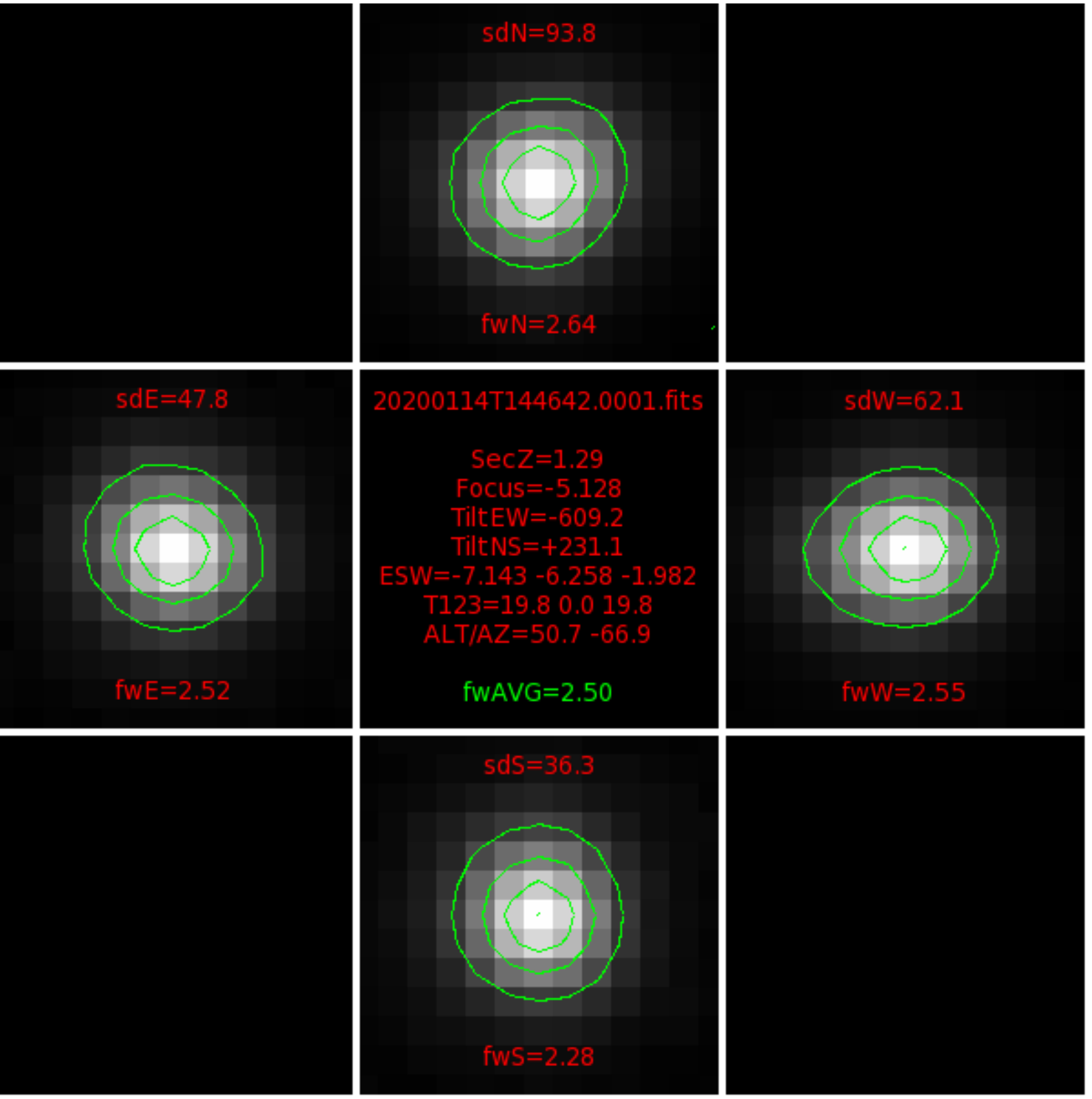

sdN=17.1
fwN=2.93
sdE=18.1
fwE=2.81
20200114T144158.0001.fits
SecZ=1.49
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=19.9 18.8 19.9
ALT/AZ=42.2 -41.5
fwAVG=2.66
sdW=22.1
fwW=2.61
sdS=14.0
fwS=2.29
0 0 0 0 0 0 0 0 0

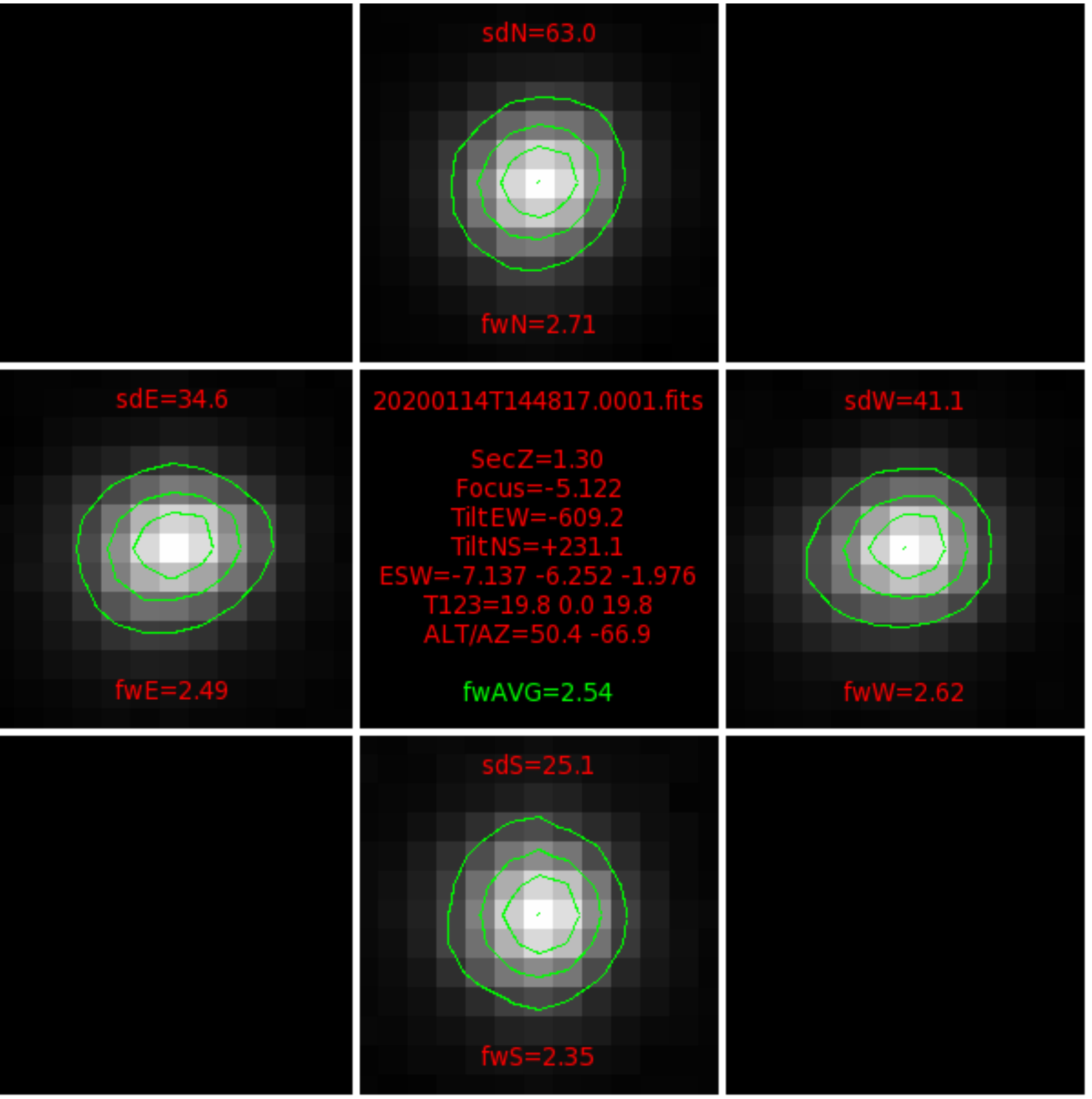

sdN=26.6
fwN=2.75
sdE=31.6
fwE=2.75
20200114T144235.0001.fits
SecZ=1.49
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=19.8 0.0 19.9
ALT/AZ=42.1 -41.5
fwAVG=2.72
sdW=53.1
fwW=2.74
sdS=21.6
fwS=2.66
0 0 0 0 0 0 0 0 0

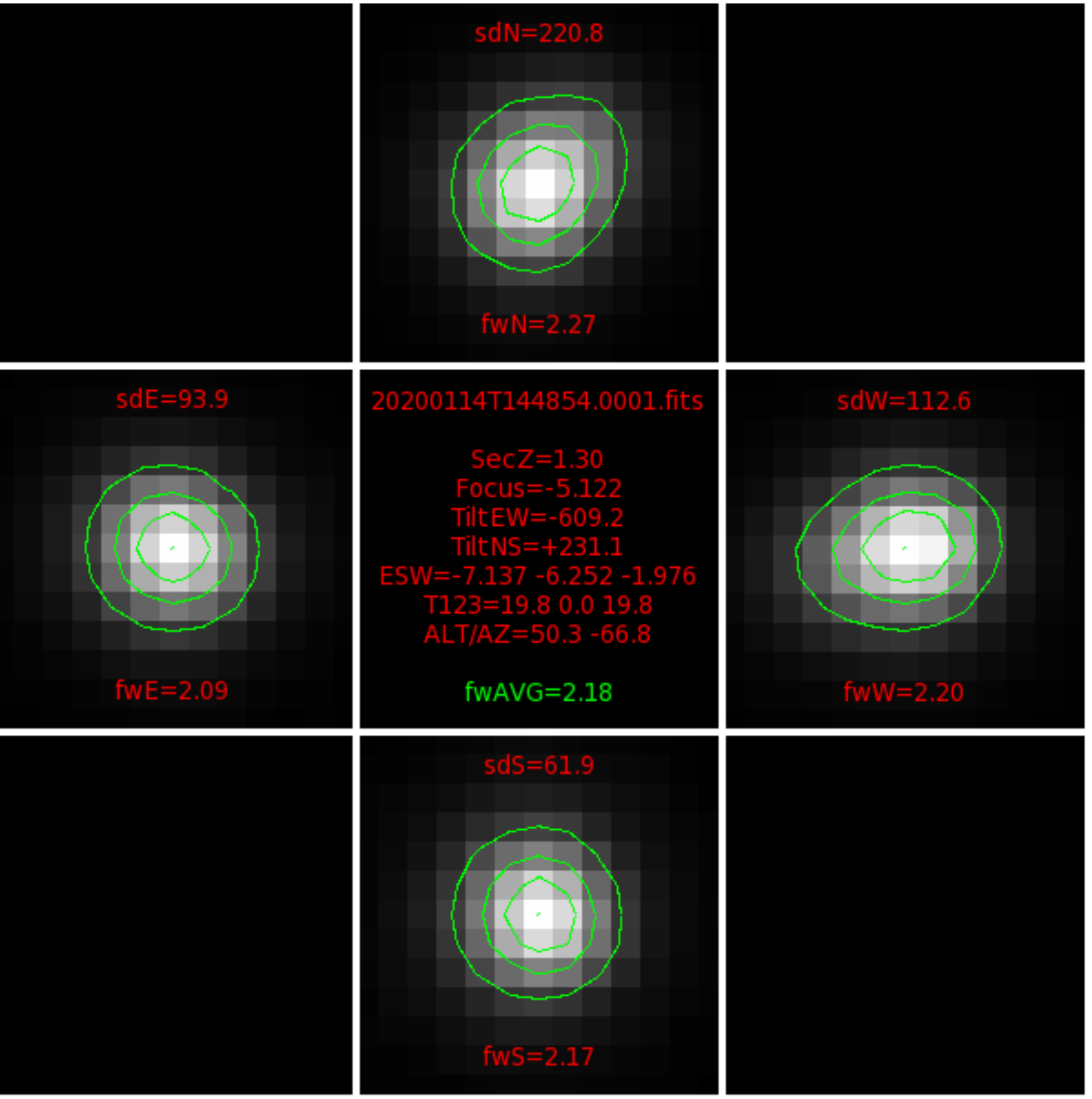

sdN=19.2
fwN=2.55
sdE=21.8
fwE=2.37
20200114T144409.0001.fits
SecZ=1.50
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=19.8 18.7 19.9
ALT/AZ=41.9 -41.5
fwAVG=2.43
sdW=36.4
fwW=2.38
sdS=15.1
fwS=2.43
0 0 0 0 0 0 0 0 0


sdN=62.4
fwN=2.04
sdE=168.5
fwE=1.88
20200114T144447.0001.fits
SecZ=1.50
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=19.8 18.7 19.8
ALT/AZ=41.8 -41.5
fwAVG=2.03
sdW=241.8
fwW=2.24
sdS=31.0
fwS=1.96
0 0 0 0 0 0 0 0 0


sdN=36.8
fwN=2.02
sdE=38.4
fwE=1.88
20200114T144606.0001.fits
SecZ=1.29
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=19.8 18.7 19.8
ALT/AZ=50.8 -66.9
fwAVG=1.97
sdW=156.4
fwW=2.14
sdS=20.9
fwS=1.82
0 0 0 0 0 0 0 0 0


sdN=93.8
fwN=2.64
sdE=47.8
fwE=2.52
20200114T144642.0001.fits
SecZ=1.29
Focus=-5.128
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.143 -6.258 -1.982
T123=19.8 0.0 19.8
ALT/AZ=50.7 -66.9
fwAVG=2.50
sdW=62.1
fwW=2.55
sdS=36.3
fwS=2.28
0 0 0 0 0 0 0 0 0


sdN=63.0
fwN=2.71
sdE=34.6
fwE=2.49
20200114T144817.0001.fits
SecZ=1.30
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.8 0.0 19.8
ALT/AZ=50.4 -66.9
fwAVG=2.54
sdW=41.1
fwW=2.62
sdS=25.1
fwS=2.35
0 0 0 0 0 0 0 0 0


sdN=220.8
fwN=2.27
sdE=93.9
fwE=2.09
20200114T144854.0001.fits
SecZ=1.30
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.8 0.0 19.8
ALT/AZ=50.3 -66.8
fwAVG=2.18
sdW=112.6
fwW=2.20
sdS=61.9
fwS=2.17
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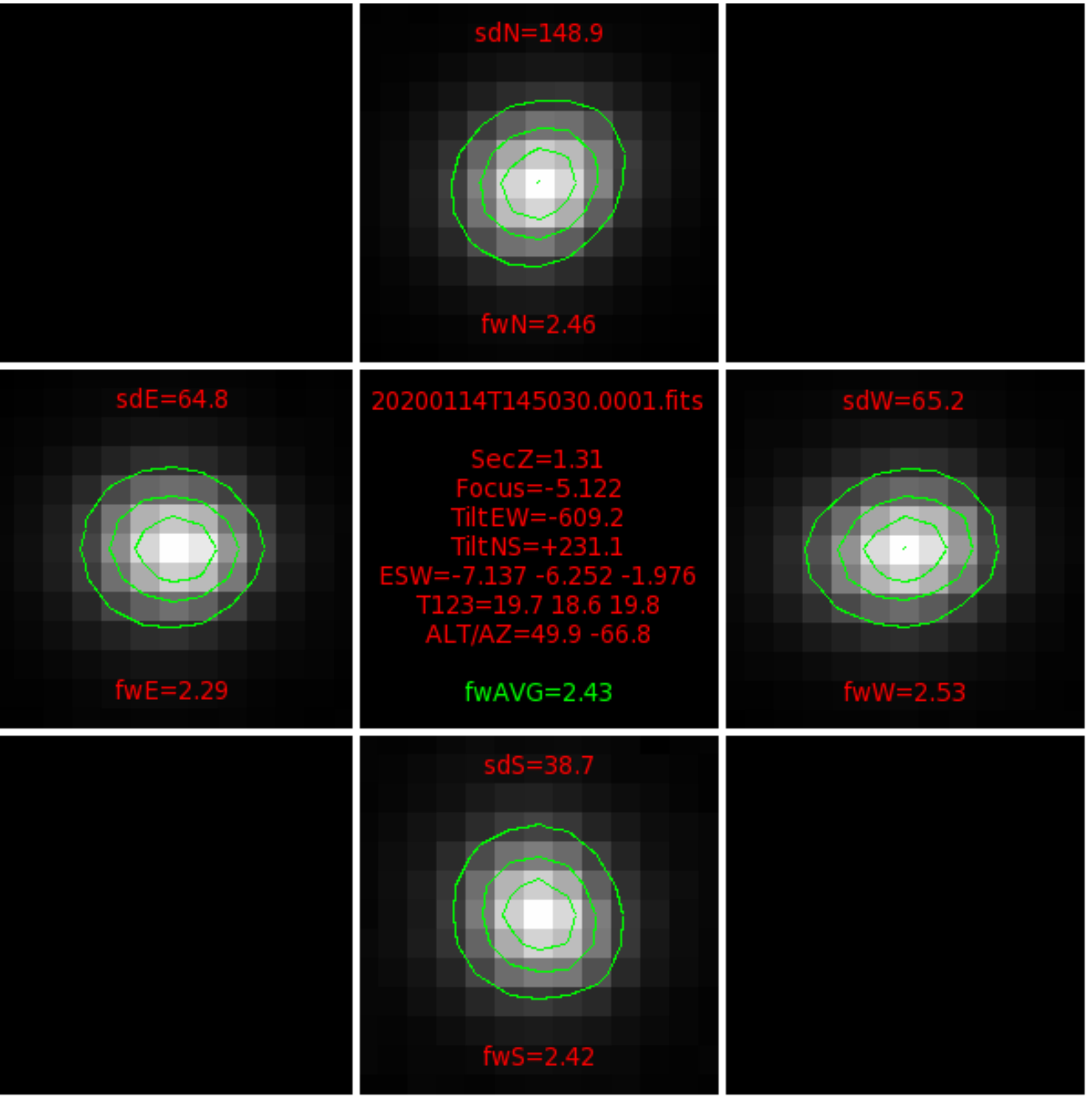
sdN=148.9
fwN=2.46
sdE=64.8
fwE=2.29
20200114T145030.0001.fits
SecZ=1.31
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.7 18.6 19.8
ALT/AZ=49.9 -66.8
fwAVG=2.43
sdW=65.2
fwW=2.53
sdS=38.7
fwS=2.42
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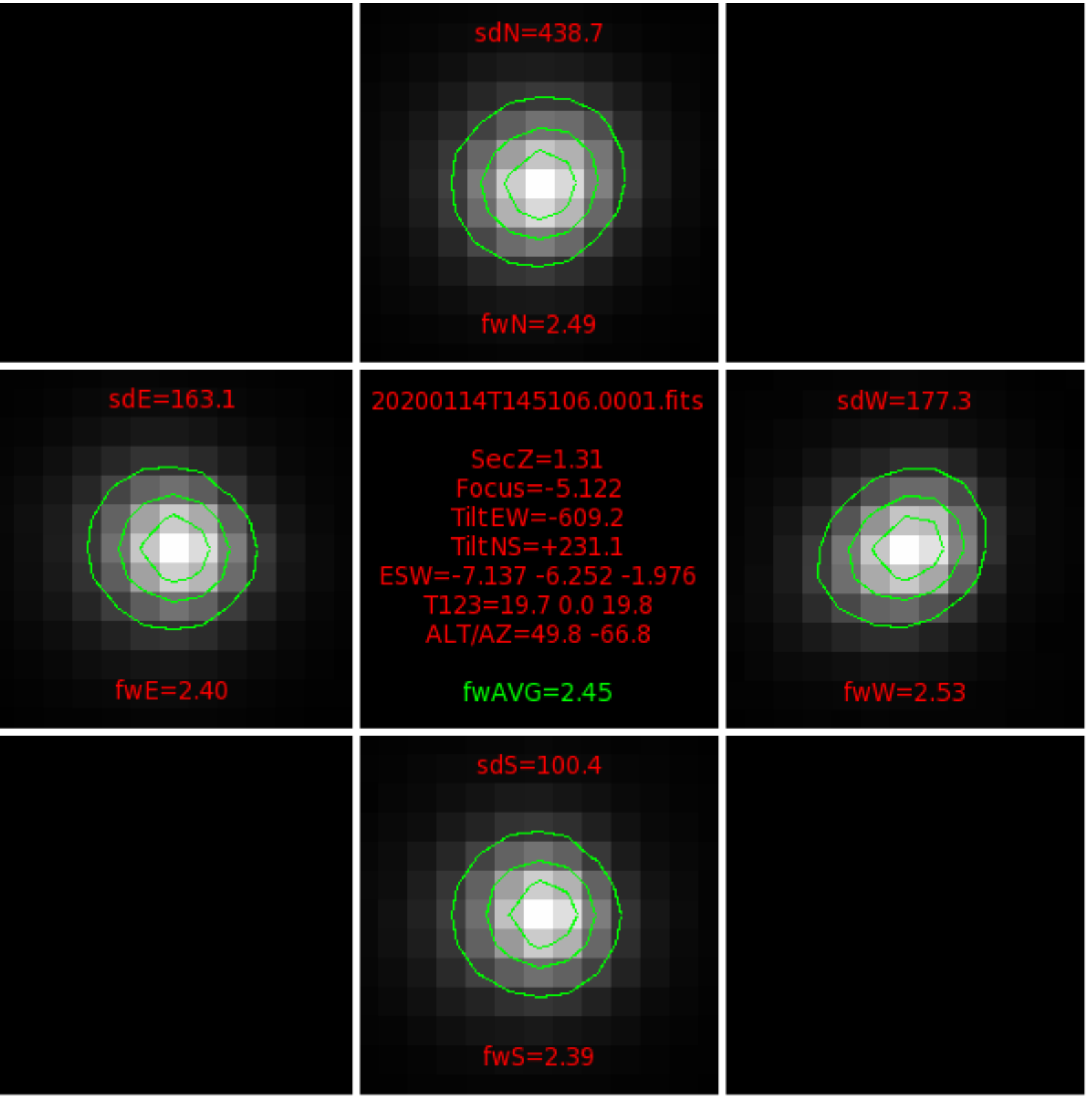
sdN=438.7
fwN=2.49
sdE=163.1
fwE=2.40
20200114T145106.0001.fits
SecZ=1.31
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.7 0.0 19.8
ALT/AZ=49.8 -66.8
fwAVG=2.45
sdW=177.3
fwW=2.53
sdS=100.4
fwS=2.39
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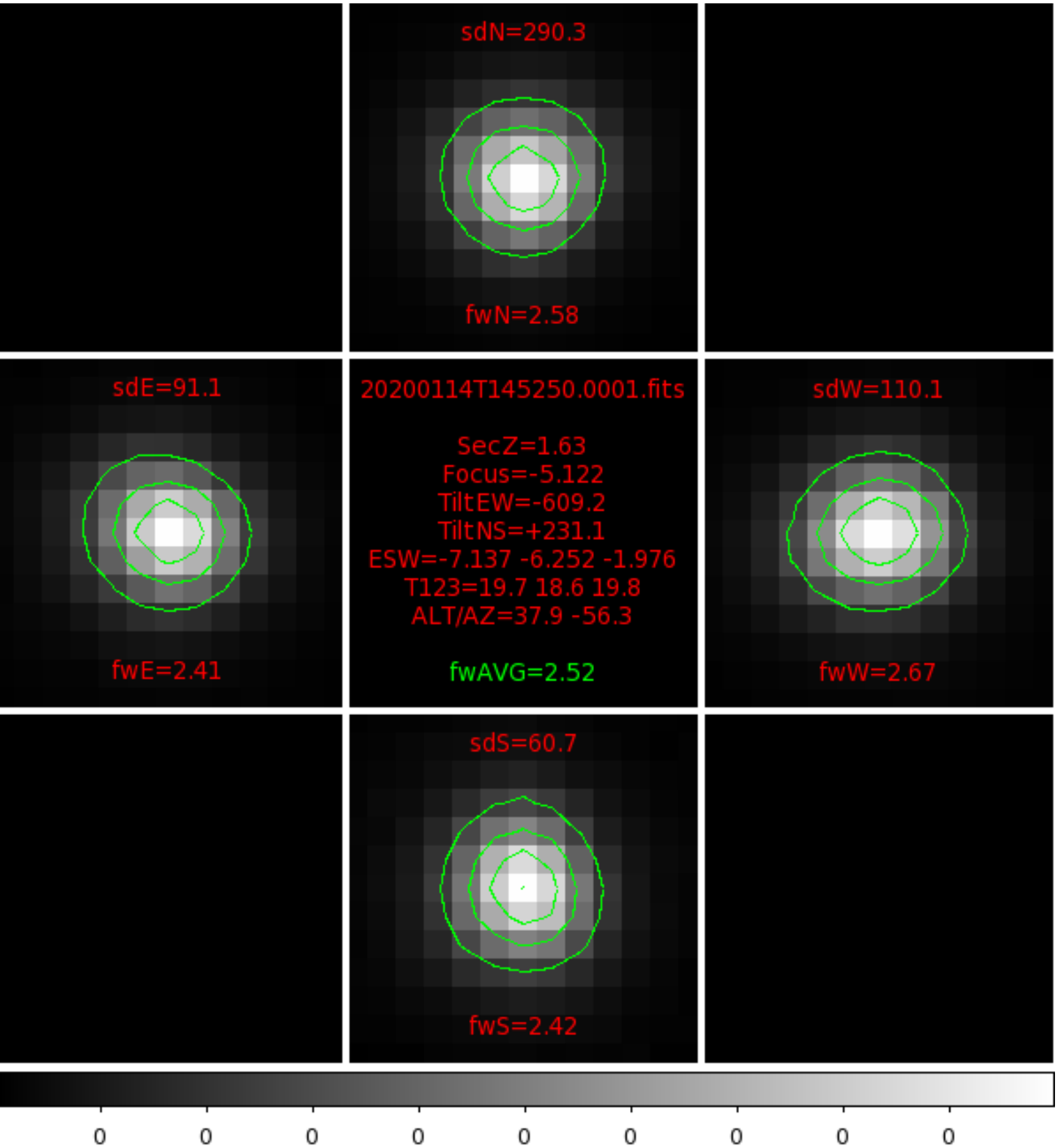
sdN=290.3
fwN=2.58
sdE=91.1
fwE=2.41
20200114T145250.0001.fits
SecZ=1.63
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.7 18.6 19.8
ALT/AZ=37.9 -56.3
fwAVG=2.52
sdW=110.1
fwW=2.67
sdS=60.7
fwS=2.42
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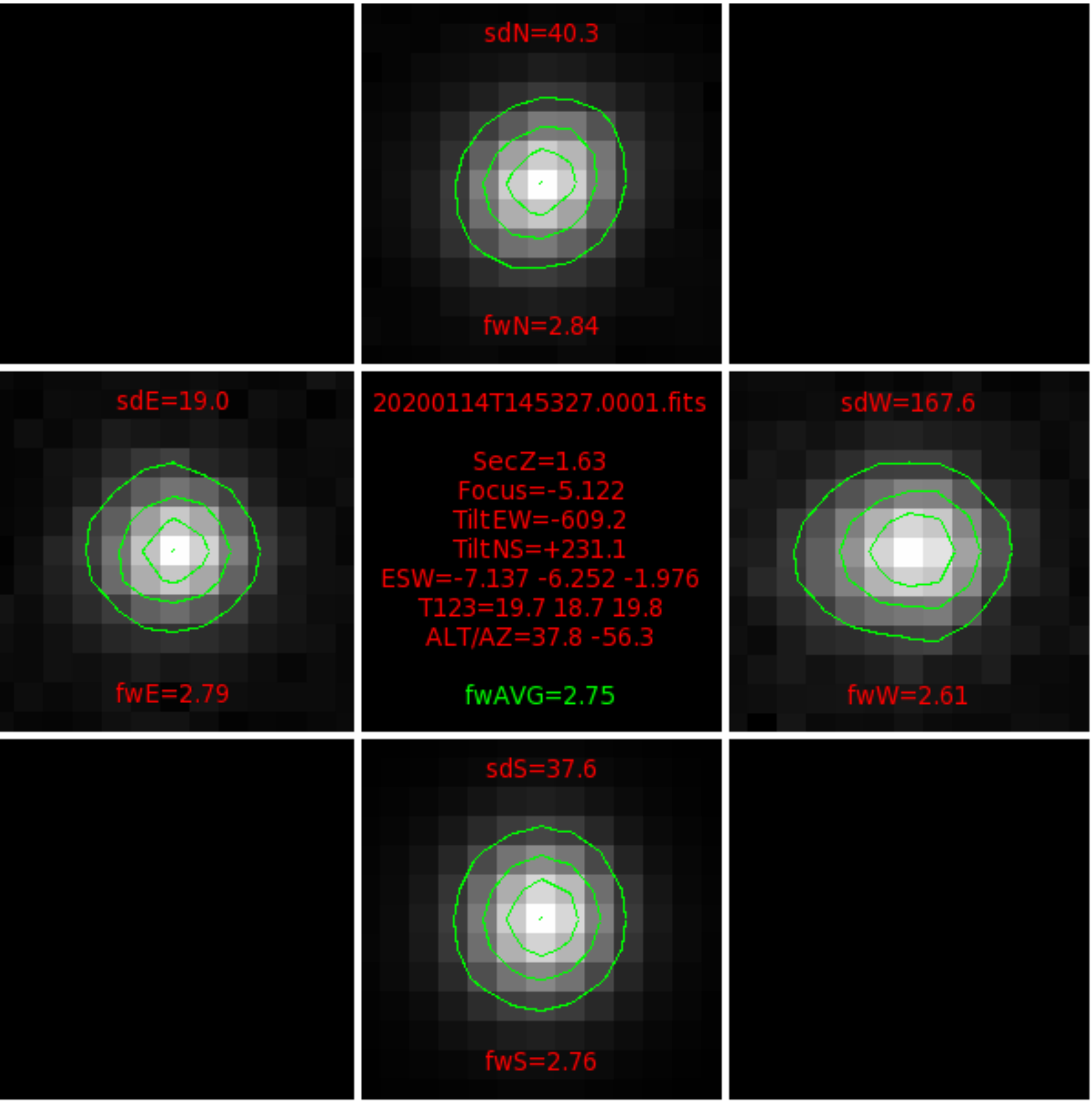
sdN=40.3
fwN=2.84
sdE=19.0
fwE=2.79
20200114T145327.0001.fits
SecZ=1.63
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.7 18.7 19.8
ALT/AZ=37.8 -56.3
fwAVG=2.75
sdW=167.6
fwW=2.61
sdS=37.6
fwS=2.76
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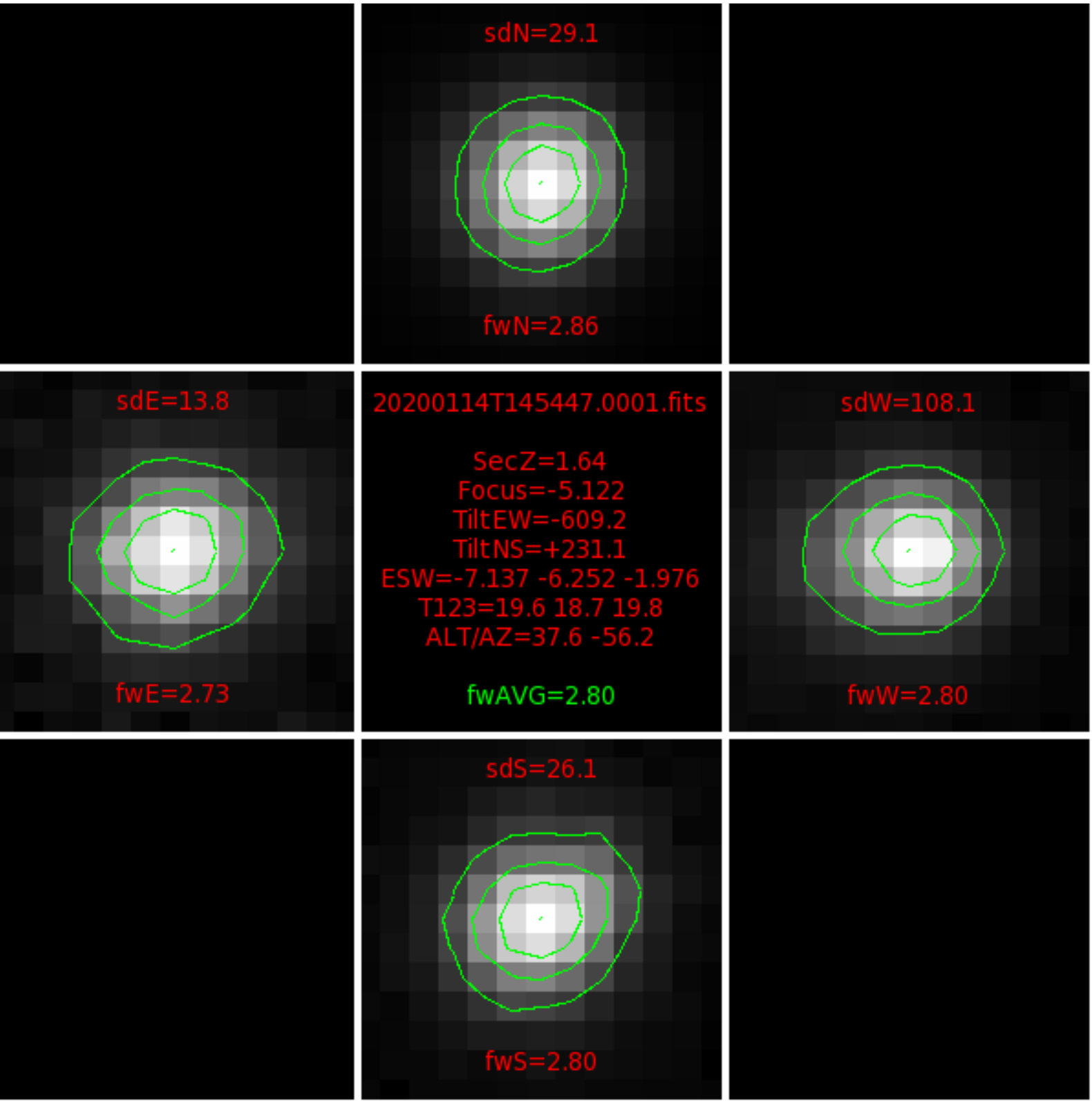
sdN=29.1
fwN=2.86
sdE=13.8
fwE=2.73
20200114T145447.0001.fits
SecZ=1.64
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.6 18.7 19.8
ALT/AZ=37.6 -56.2
fwAVG=2.80
sdW=108.1
fwW=2.80
sdS=26.1
fwS=2.80
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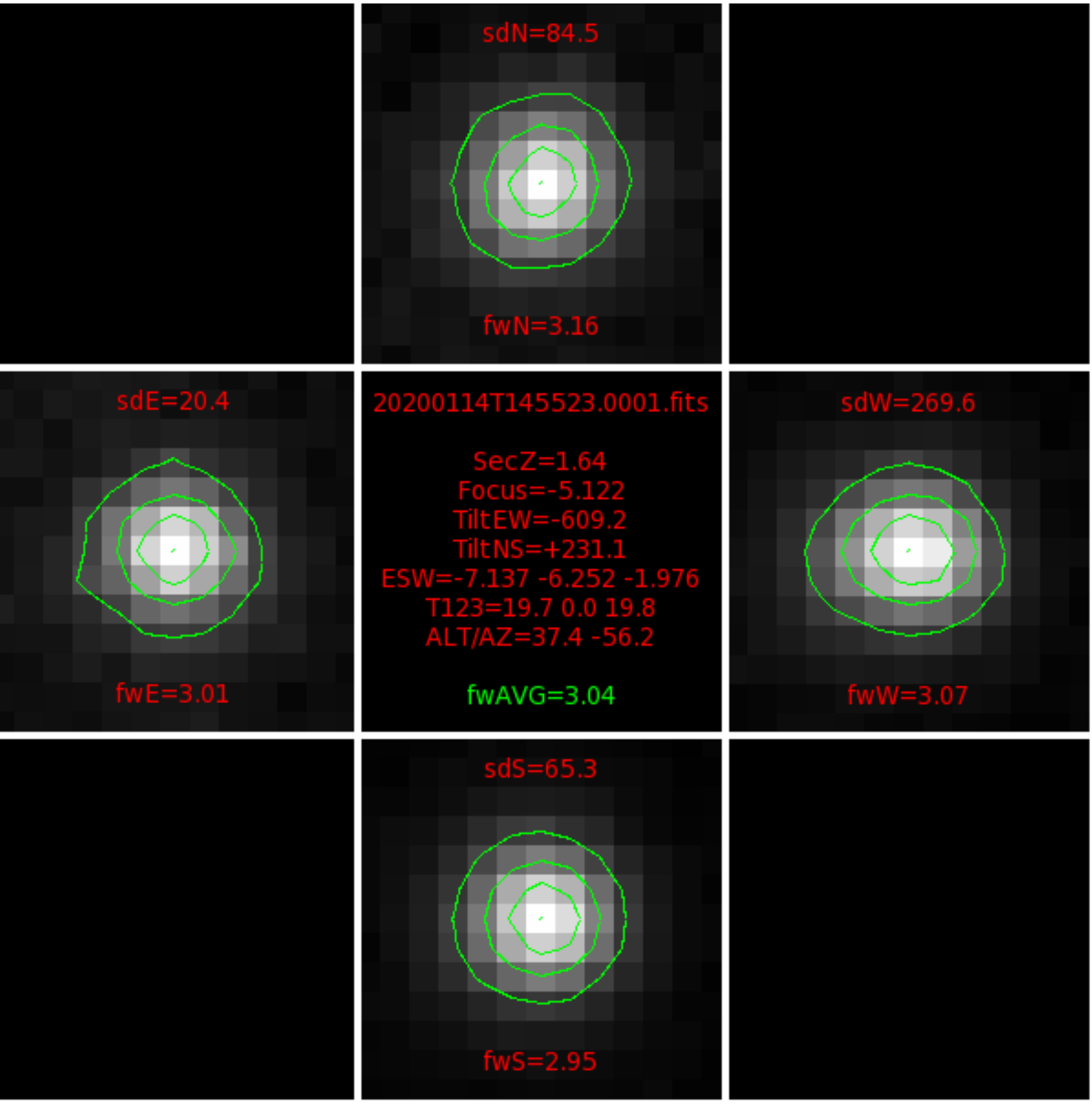
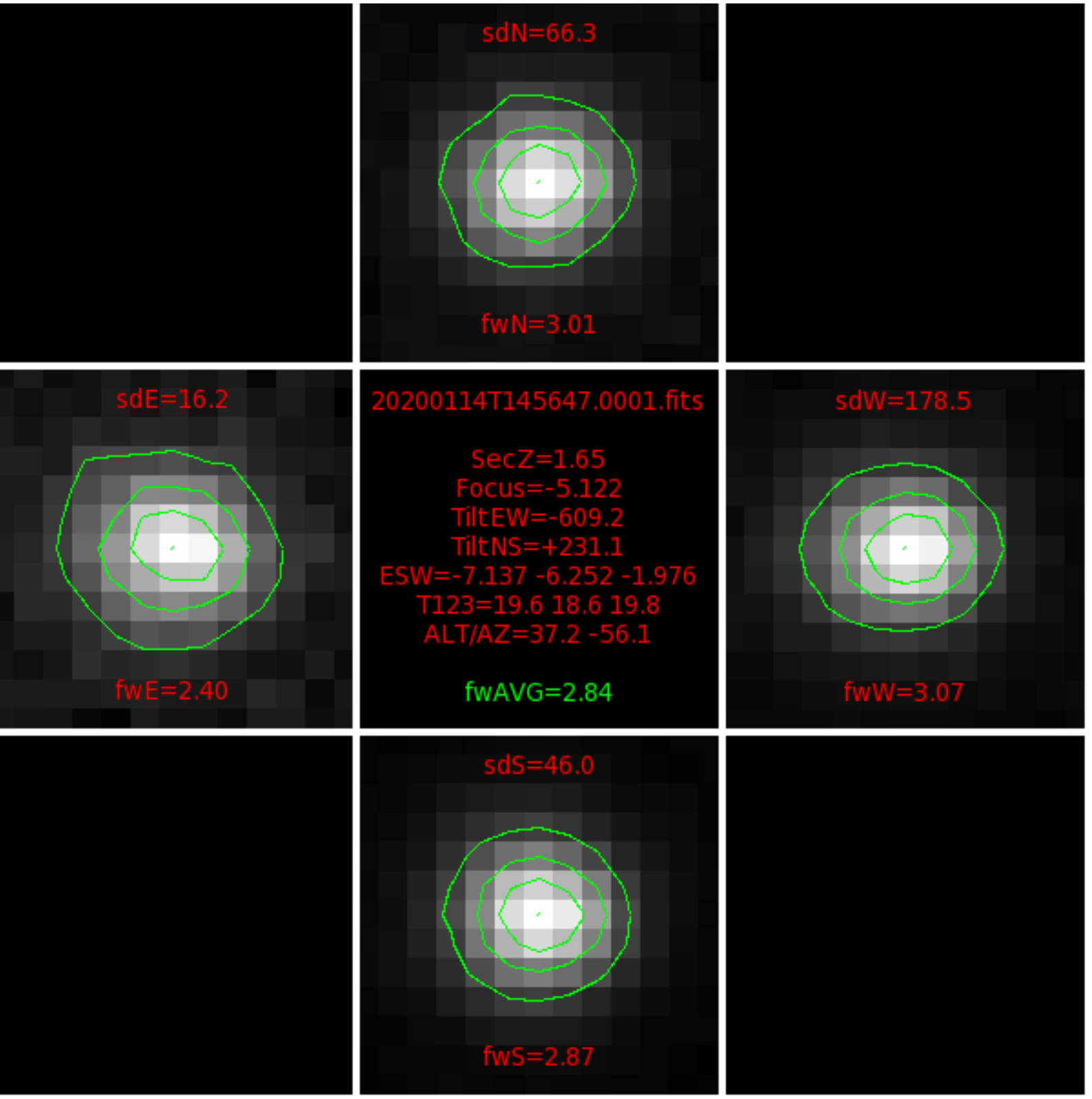
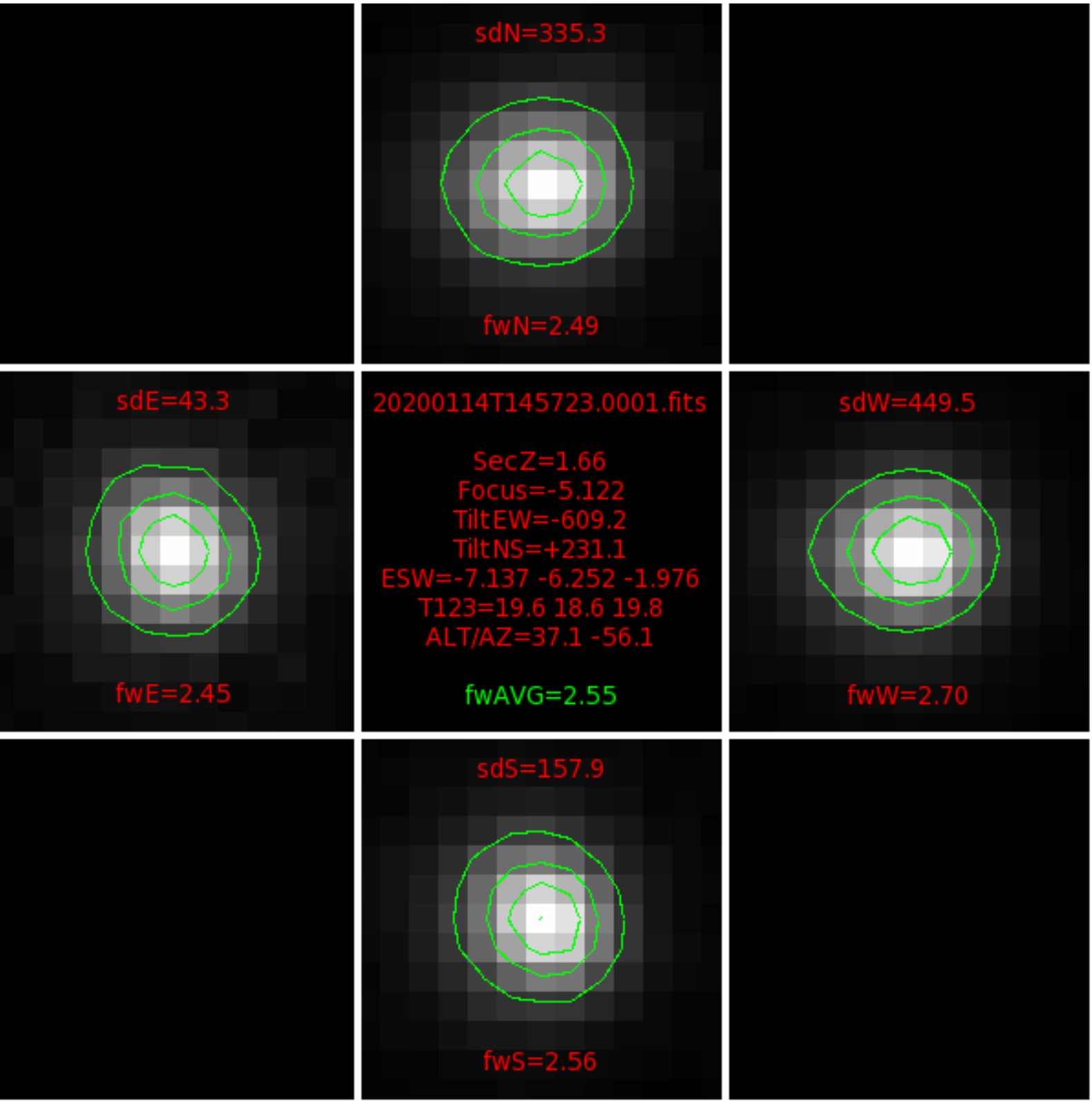
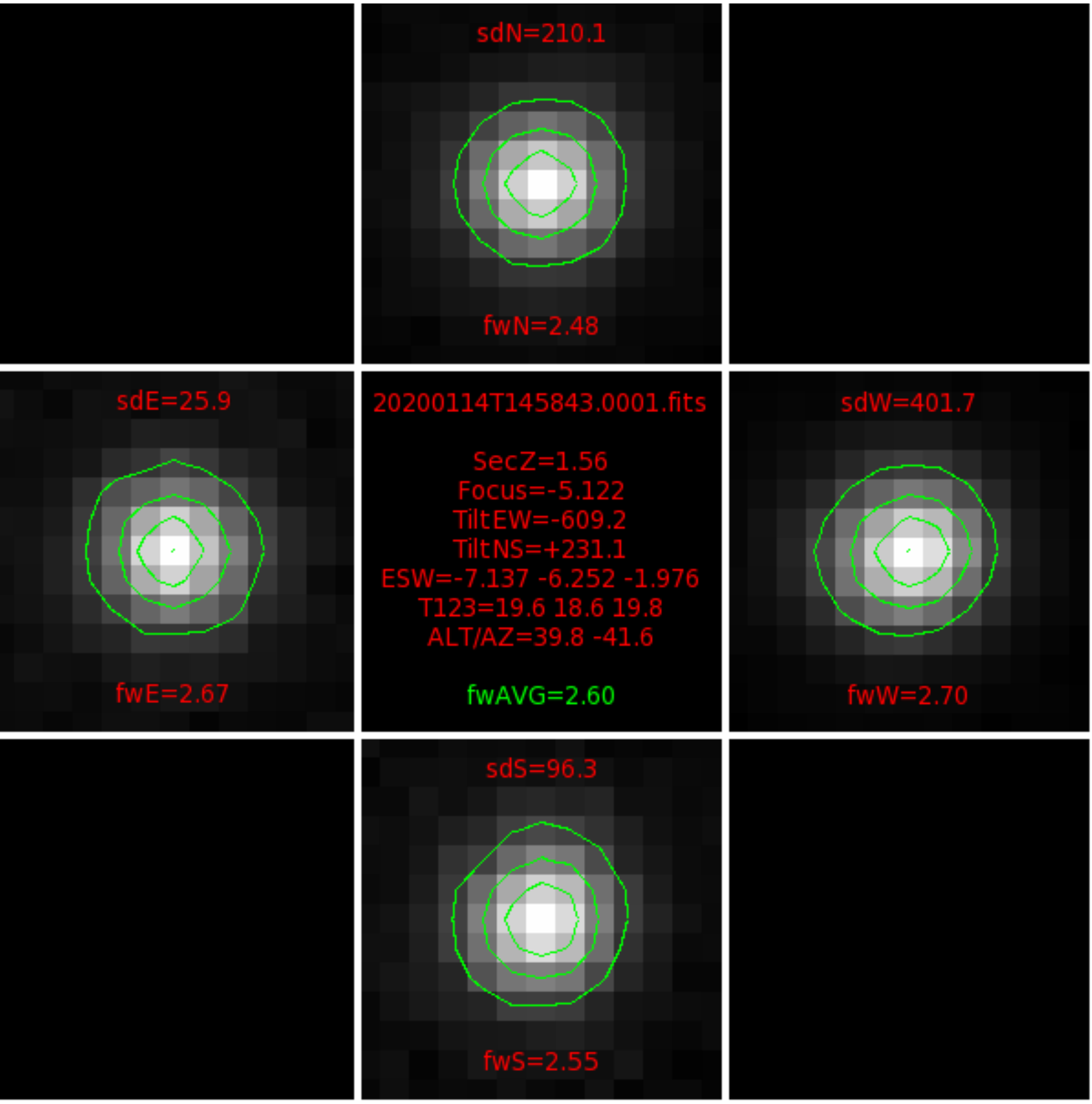
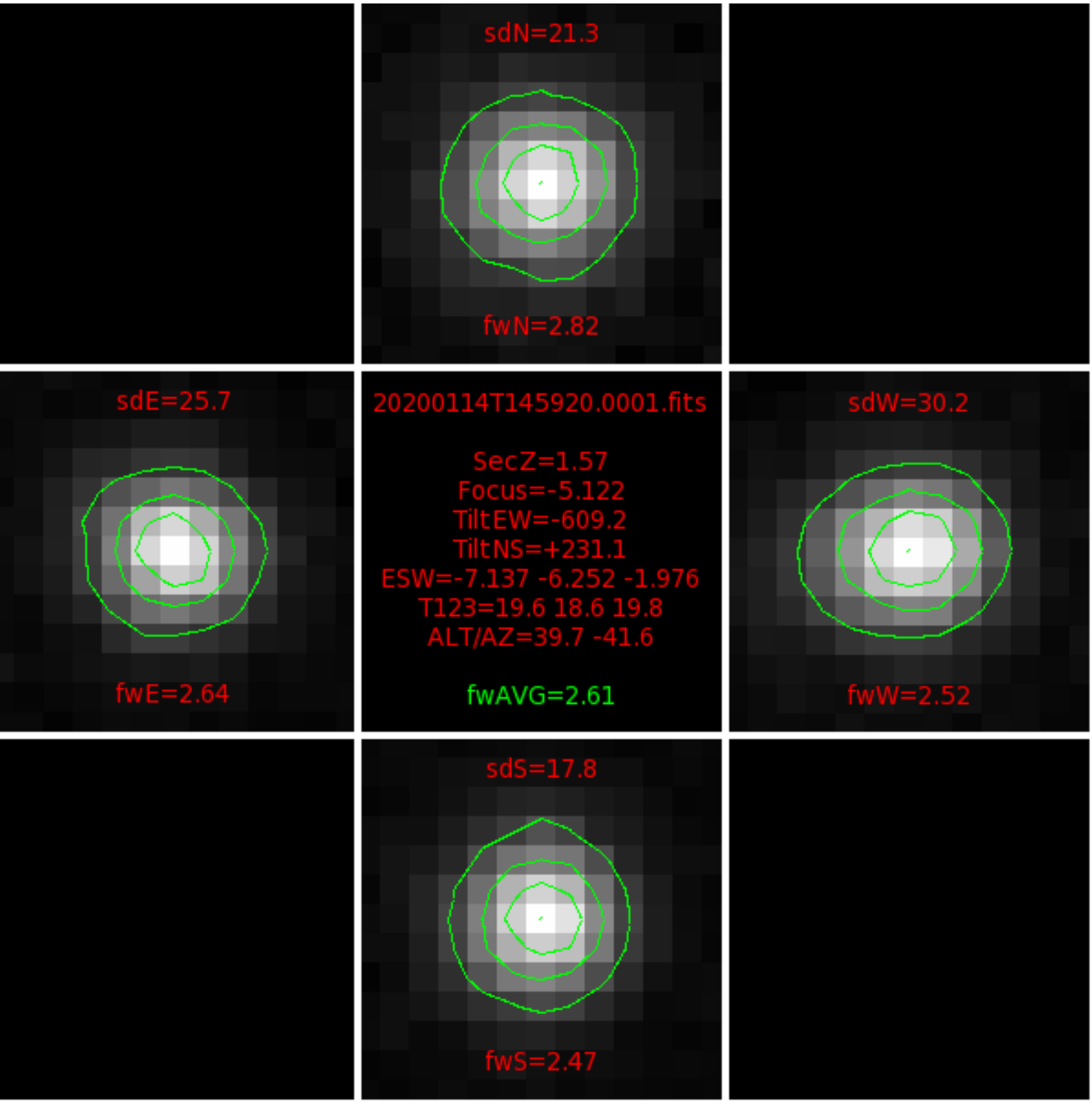

sdN=84.5
fwN=3.16
sdE=20.4
fwE=3.01
20200114T145523.0001.fits
SecZ=1.64
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.7 0.0 19.8
ALT/AZ=37.4 -56.2
fwAVG=3.04
sdW=269.6
fwW=3.07
sdS=65.3
fwS=2.95
0 0 0 0 0 0 0 0 0


sdN=66.3
fwN=3.01
sdE=16.2
fwE=2.40
20200114T145647.0001.fits
SecZ=1.65
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.6 18.6 19.8
ALT/AZ=37.2 -56.1
fwAVG=2.84
sdW=178.5
fwW=3.07
sdS=46.0
fwS=2.87
0 0 0 0 0 0 0 0 0


sdN=335.3
fwN=2.49
sdE=43.3
fwE=2.45
20200114T145723.0001.fits
SecZ=1.66
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.6 18.6 19.8
ALT/AZ=37.1 -56.1
fwAVG=2.55
sdW=449.5
fwW=2.70
sdS=157.9
fwS=2.56
0 0 0 0 0 0 0 0 0


sdN=210.1
fwN=2.48
sdE=25.9
fwE=2.67
20200114T145843.0001.fits
SecZ=1.56
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.6 18.6 19.8
ALT/AZ=39.8 -41.6
fwAVG=2.60
sdW=401.7
fwW=2.70
sdS=96.3
fwS=2.55
0 0 0 0 0 0 0 0 0


sdN=21.3
fwN=2.82
sdE=25.7
fwE=2.64
20200114T145920.0001.fits
SecZ=1.57
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.6 18.6 19.8
ALT/AZ=39.7 -41.6
fwAVG=2.61
sdW=30.2
fwW=2.52
sdS=17.8
fwS=2.47
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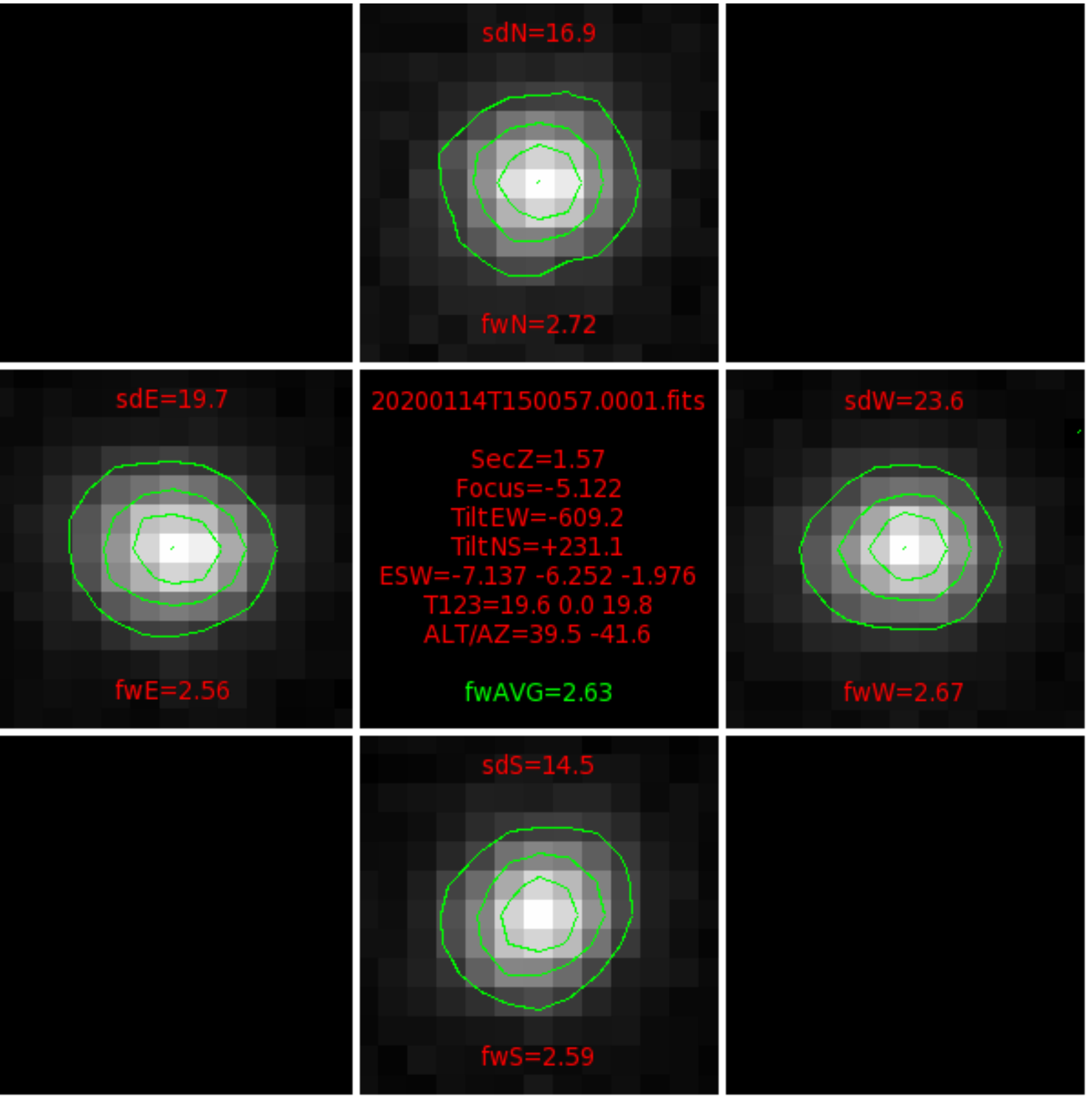
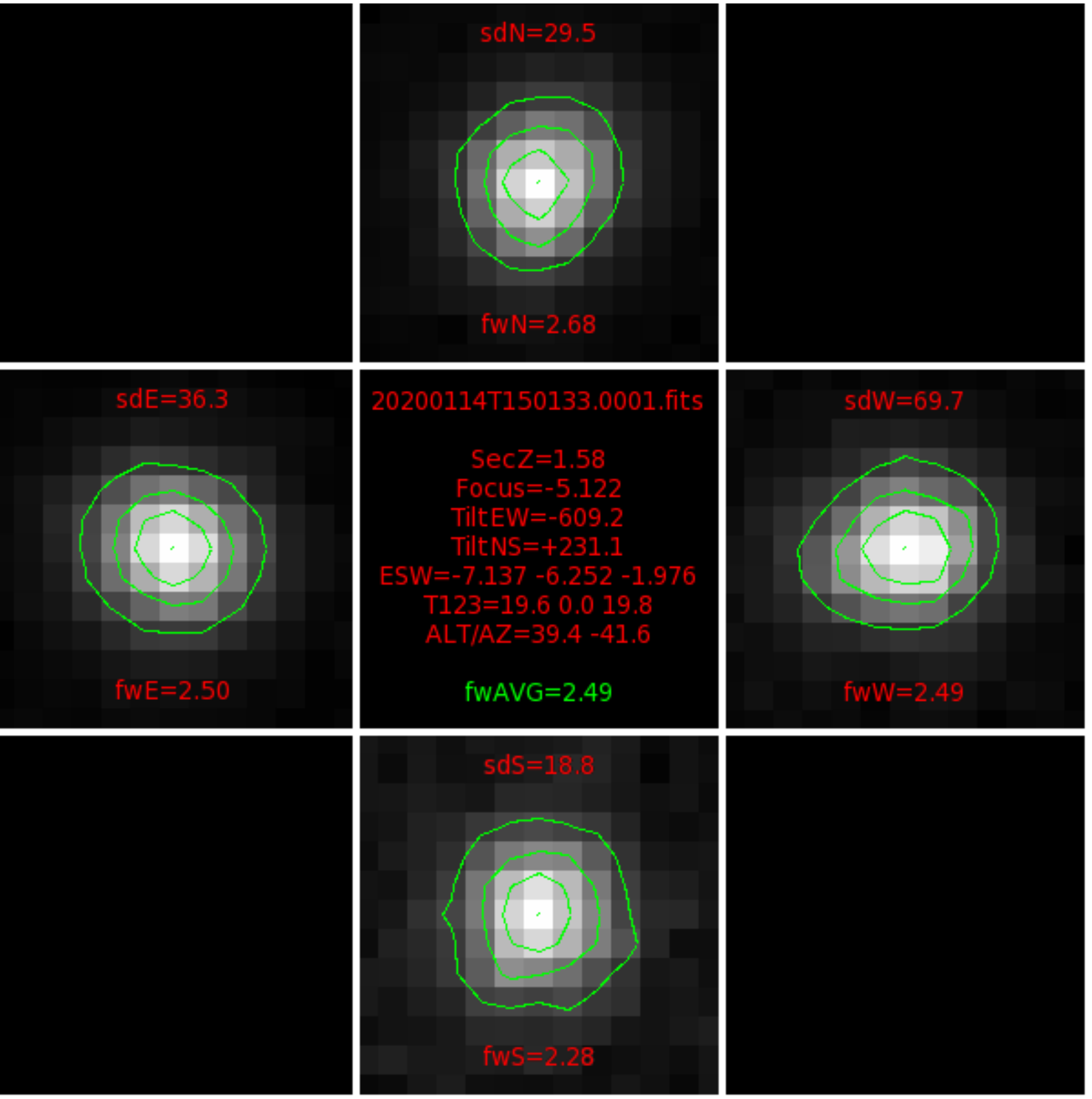

sdN=16.9
fwN=2.72
sdE=19.7
fwE=2.56
20200114T150057.0001.fits
SecZ=1.57
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.6 0.0 19.8
ALT/AZ=39.5 -41.6
fwAVG=2.63
sdW=23.6
fwW=2.67
sdS=14.5
fwS=2.59
0 0 0 0 0 0 0 0 0


sdN=29.5
fwN=2.68
sdE=36.3
fwE=2.50
20200114T150133.0001.fits
SecZ=1.58
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.6 0.0 19.8
ALT/AZ=39.4 -41.6
fwAVG=2.49
sdW=69.7
fwW=2.49
sdS=18.8
fwS=2.28
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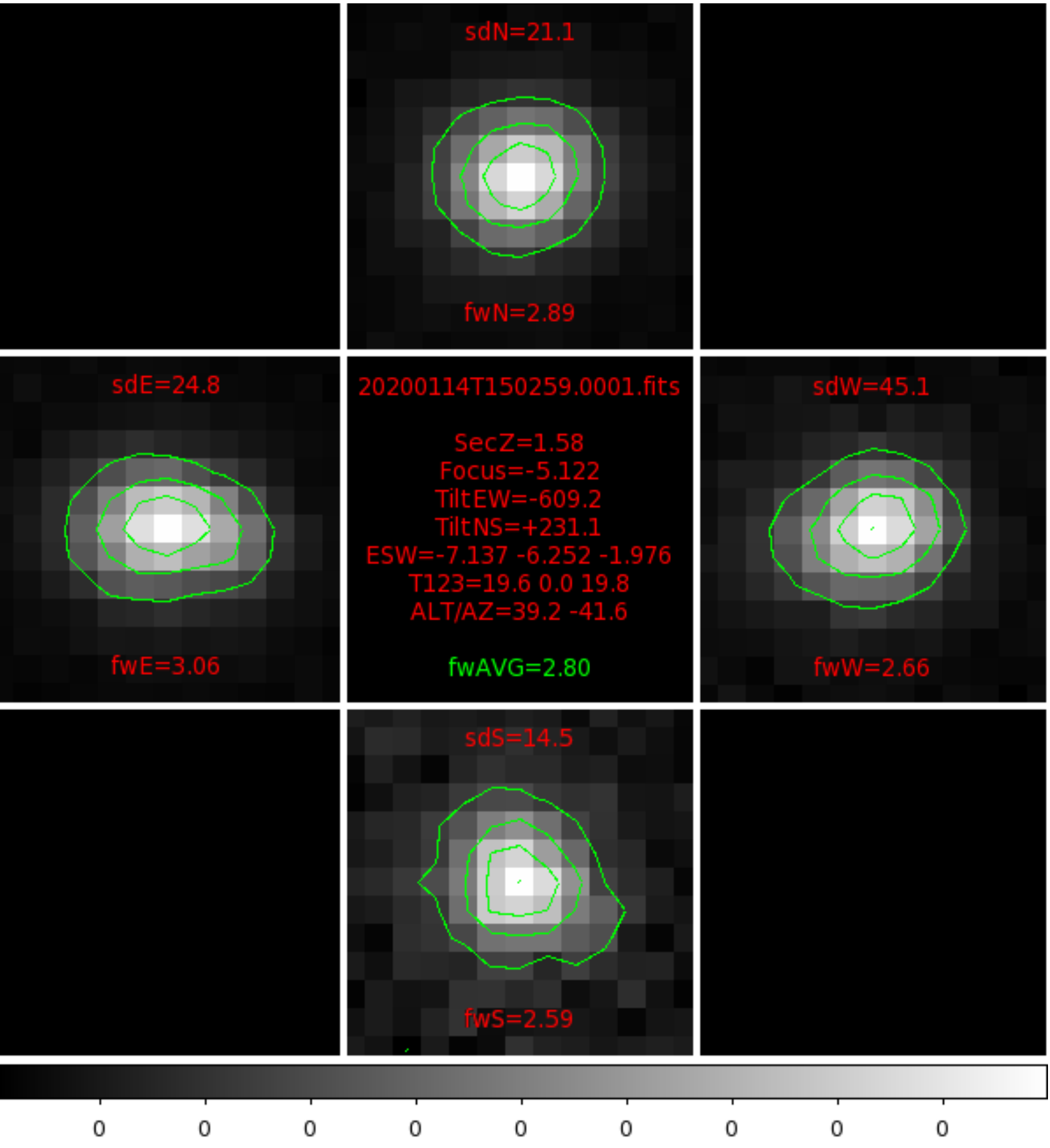
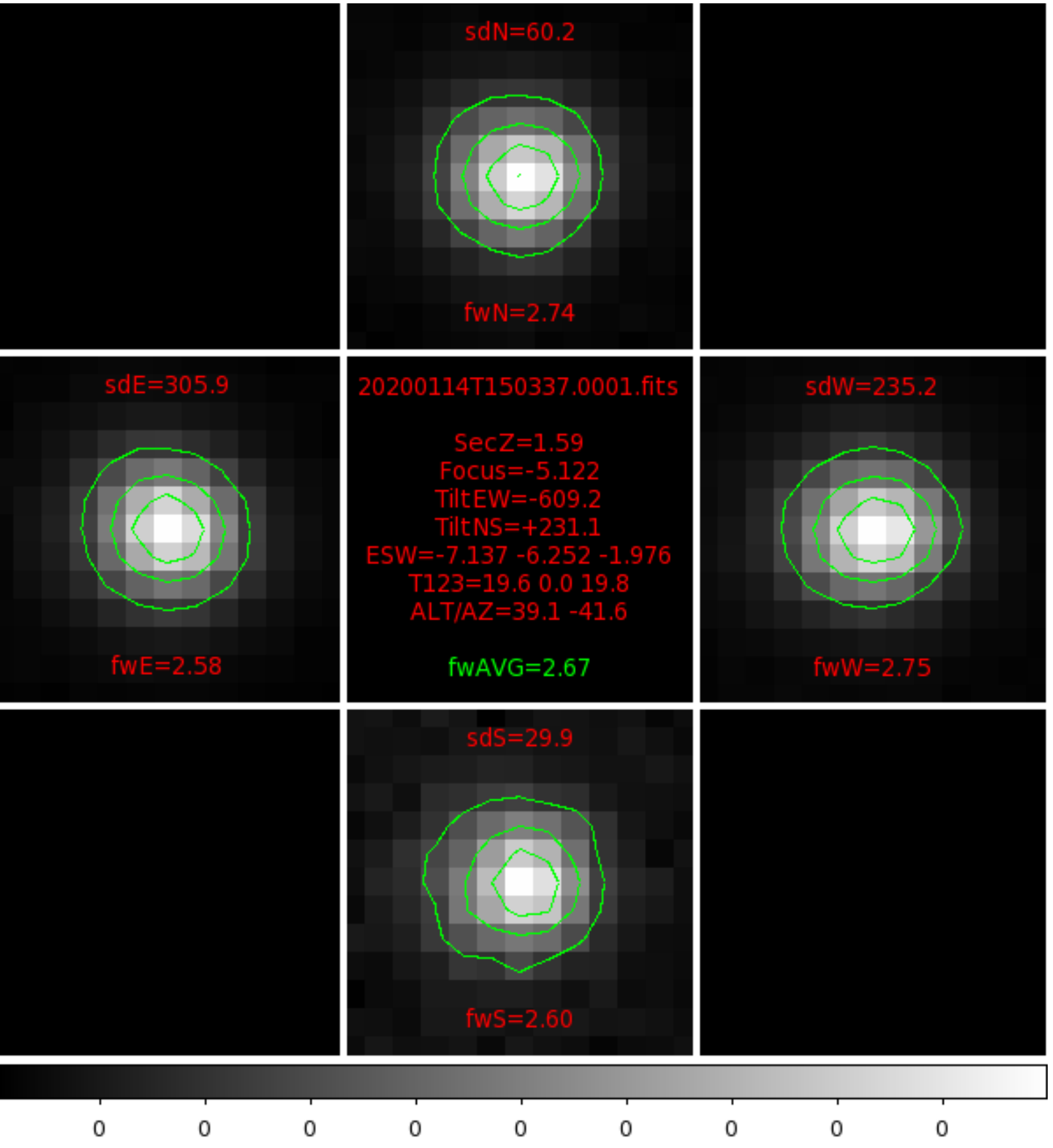
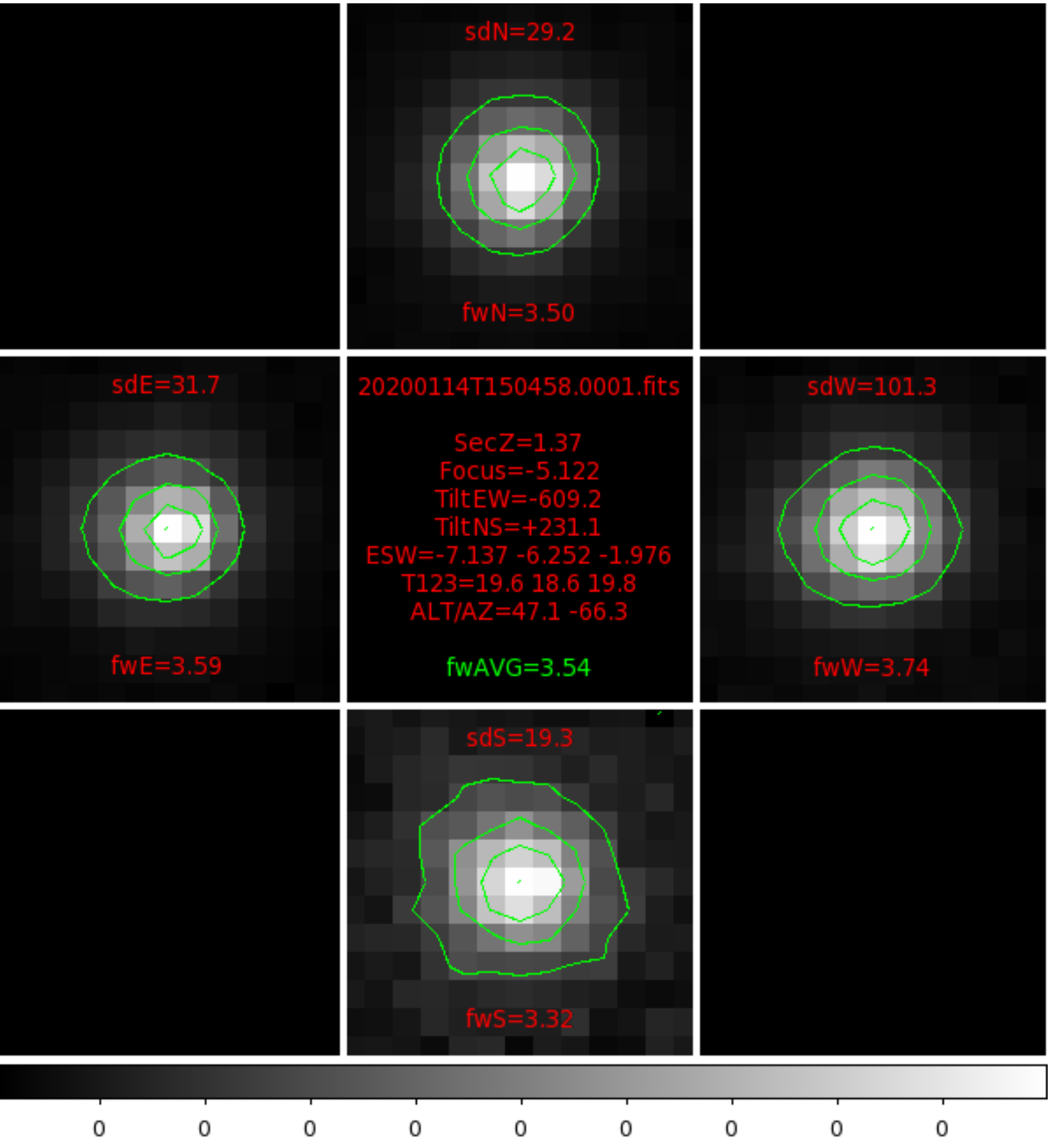

sdN=21.1
fwN=2.89
sdE=24.8
fwE=3.06
20200114T150259.0001.fits
SecZ=1.58
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.6 0.0 19.8
ALT/AZ=39.2 -41.6
fwAVG=2.80
sdW=45.1
fwW=2.66
sdS=14.5
fwS=2.59
0 0 0 0 0 0 0 0 0


sdN=60.2
fwN=2.74
sdE=305.9
fwE=2.58
20200114T150337.0001.fits
SecZ=1.59
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.6 0.0 19.8
ALT/AZ=39.1 -41.6
fwAVG=2.67
sdW=235.2
fwW=2.75
sdS=29.9
fwS=2.60
0 0 0 0 0 0 0 0 0


sdN=29.2
fwN=3.50
sdE=31.7
fwE=3.59
20200114T150458.0001.fits
SecZ=1.37
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.6 18.6 19.8
ALT/AZ=47.1 -66.3
fwAVG=3.54
sdW=101.3
fwW=3.74
sdS=19.3
fwS=3.32
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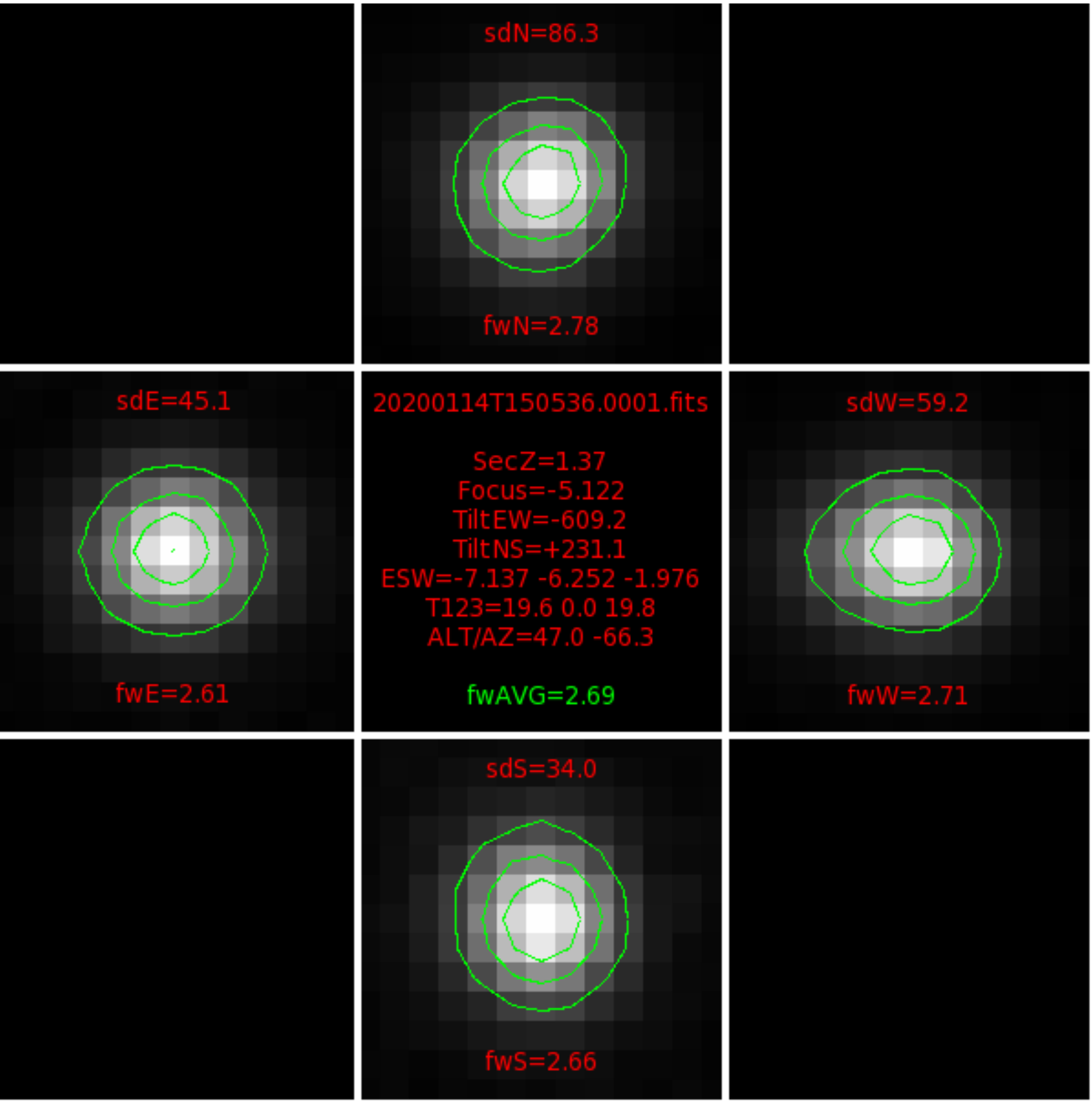
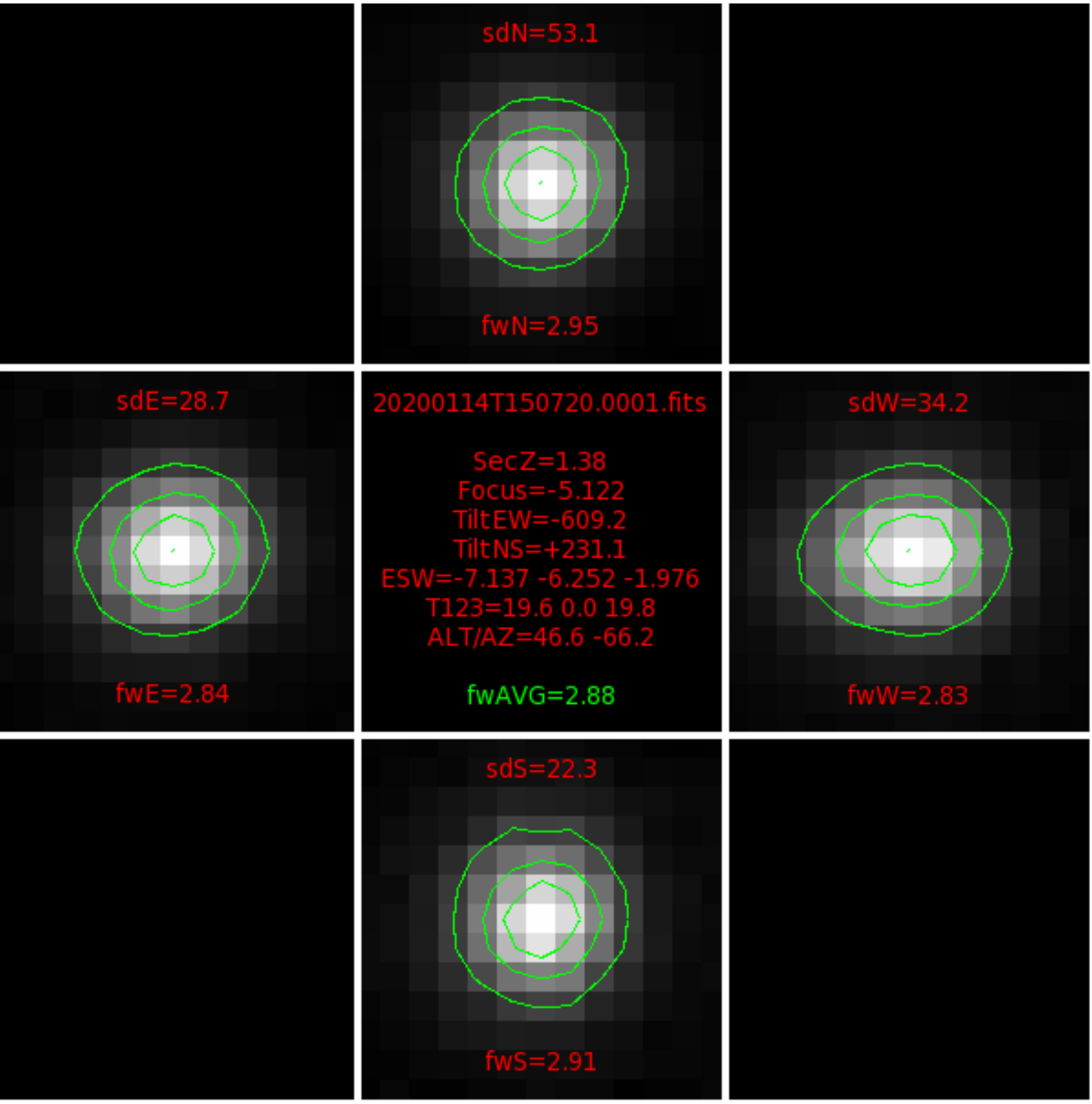

sdN=86.3
fwN=2.78
sdE=45.1
fwE=2.61
20200114T150536.0001.fits
SecZ=1.37
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.6 0.0 19.8
ALT/AZ=47.0 -66.3
fwAVG=2.69
sdW=59.2
fwW=2.71
sdS=34.0
fwS=2.66
0 0 0 0 0 0 0 0 0


sdN=53.1
fwN=2.95
sdE=28.7
fwE=2.84
20200114T150720.0001.fits
SecZ=1.38
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.6 0.0 19.8
ALT/AZ=46.6 -66.2
fwAVG=2.88
sdW=34.2
fwW=2.83
sdS=22.3
fwS=2.91
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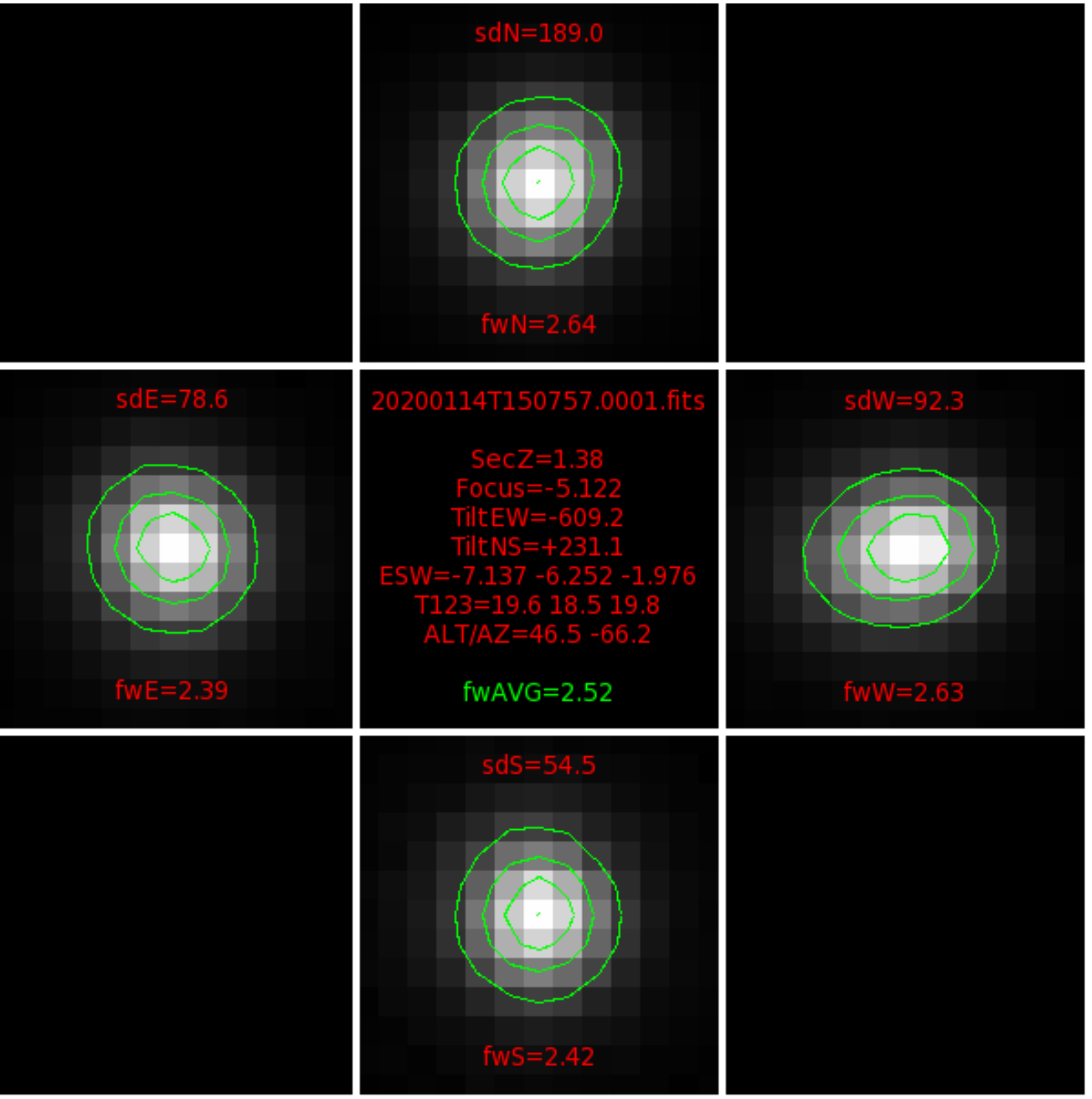
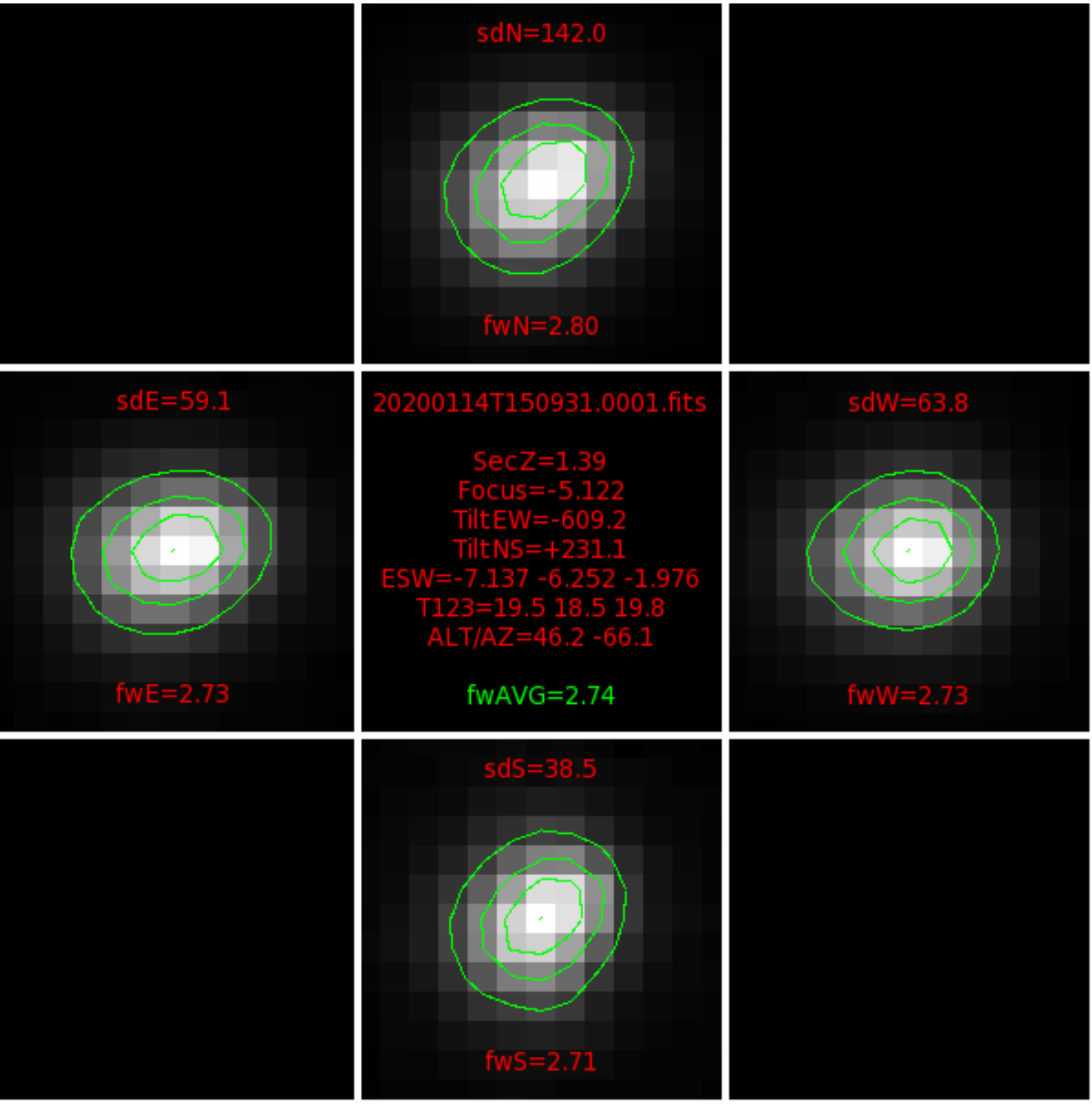
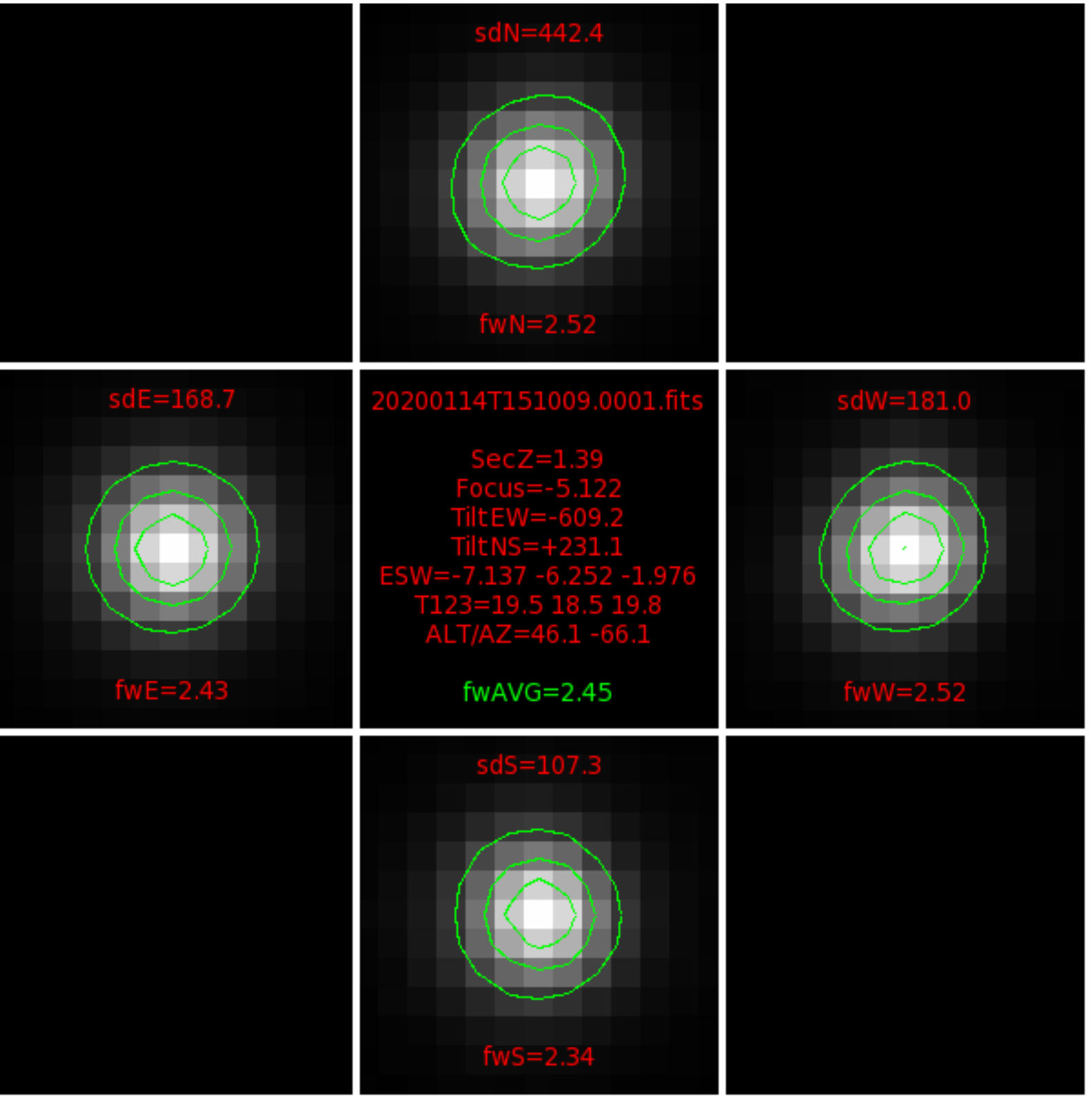

sdN=189.0
fwN=2.64
sdE=78.6
fwE=2.39
20200114T150757.0001.fits
SecZ=1.38
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.6 18.5 19.8
ALT/AZ=46.5 -66.2
fwAVG=2.52
sdW=92.3
fwW=2.63
sdS=54.5
fwS=2.42
0 0 0 0 0 0 0 0 0


sdN=142.0
fwN=2.80
sdE=59.1
fwE=2.73
20200114T150931.0001.fits
SecZ=1.39
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.5 18.5 19.8
ALT/AZ=46.2 -66.1
fwAVG=2.74
sdW=63.8
fwW=2.73
sdS=38.5
fwS=2.71
0 0 0 0 0 0 0 0 0


sdN=442.4
fwN=2.52
sdE=168.7
fwE=2.43
20200114T151009.0001.fits
SecZ=1.39
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.5 18.5 19.8
ALT/AZ=46.1 -66.1
fwAVG=2.45
sdW=181.0
fwW=2.52
sdS=107.3
fwS=2.34
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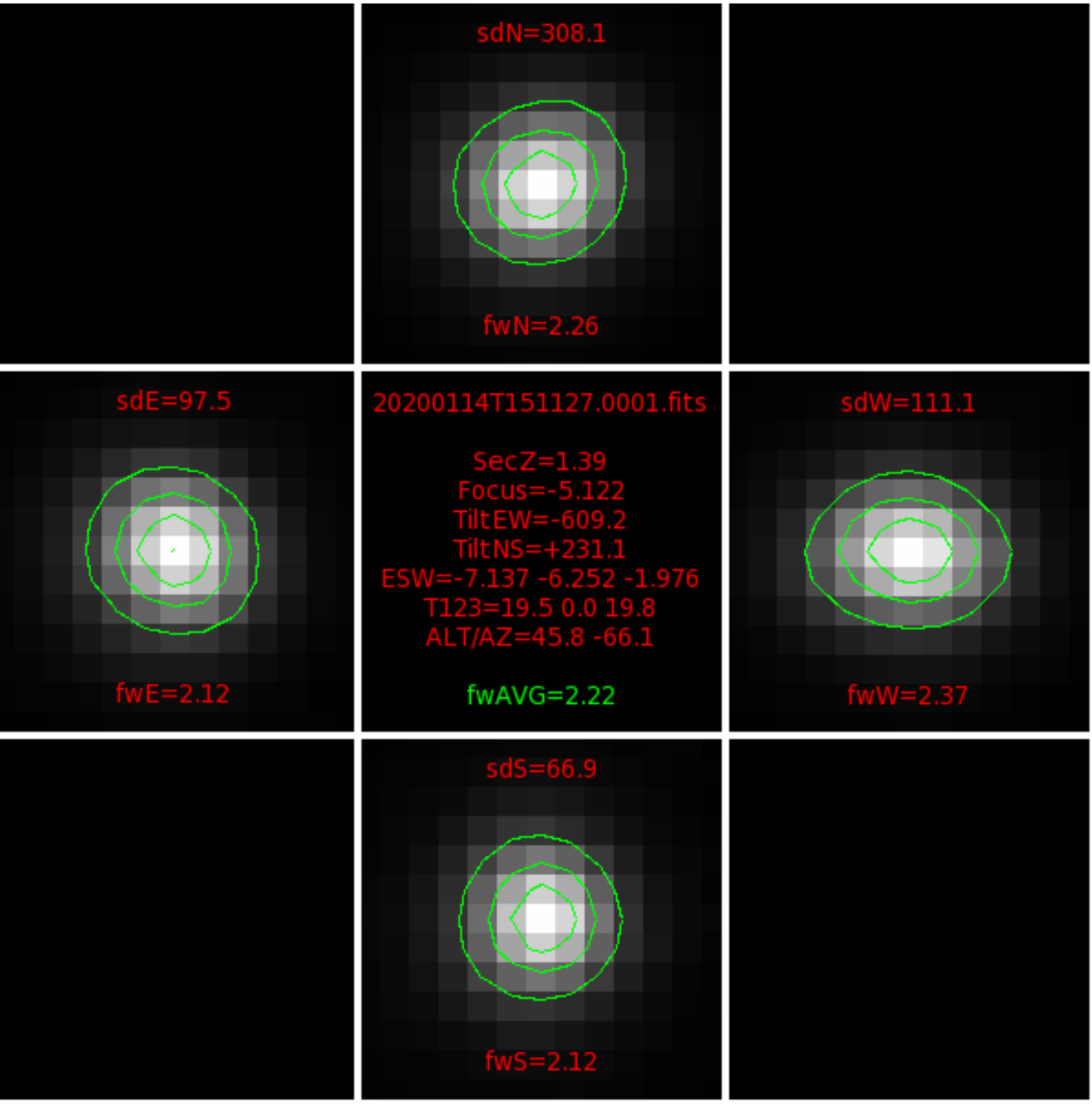
sdN=308.1
fwN=2.26
sdE=97.5
fwE=2.12
20200114T151127.0001.fits
SecZ=1.39
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.5 0.0 19.8
ALT/AZ=45.8 -66.1
fwAVG=2.22
sdW=111.1
fwW=2.37
sdS=66.9
fwS=2.12
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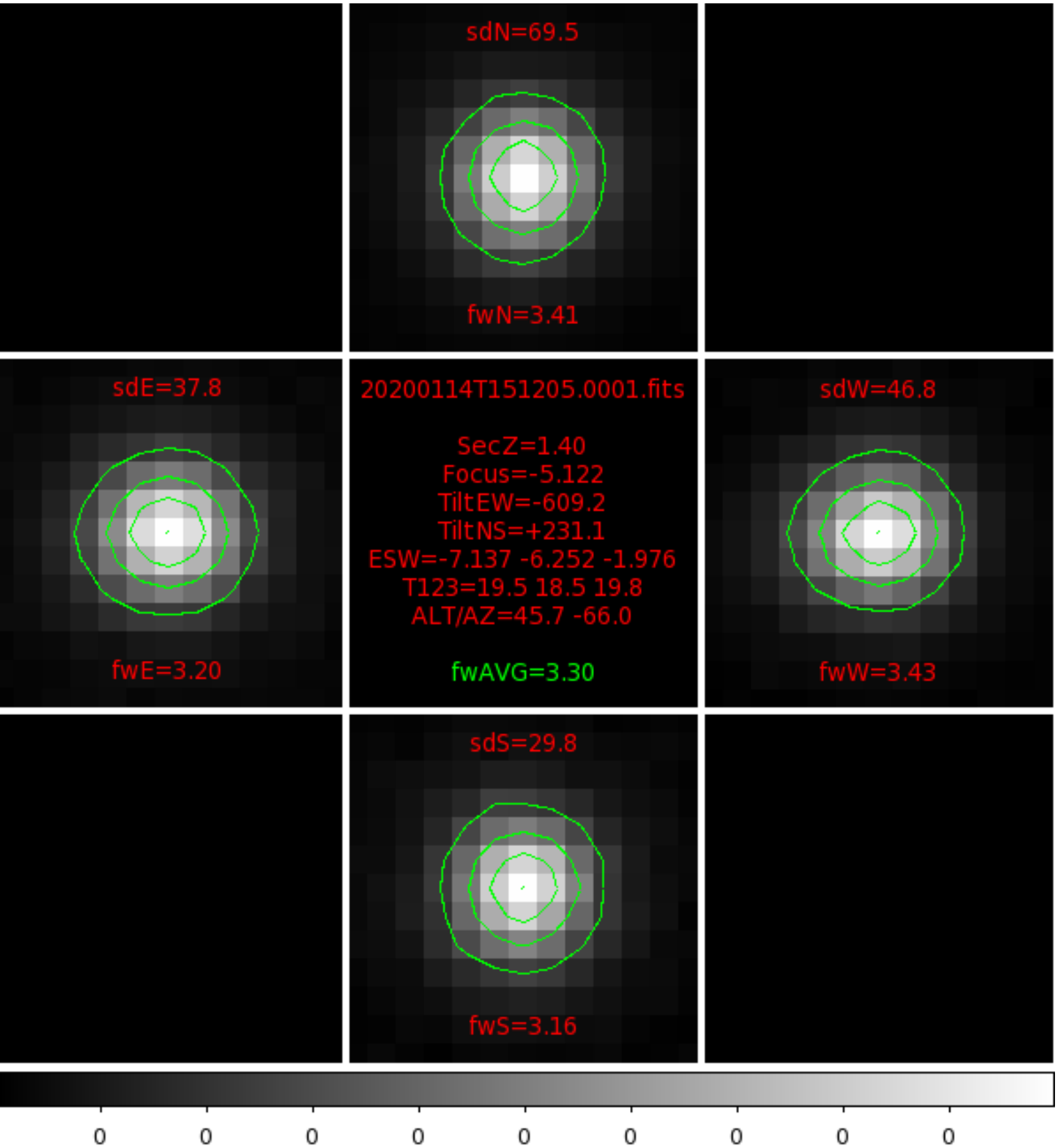
sdN=69.5
fwN=3.41
sdE=37.8
fwE=3.20
20200114T151205.0001.fits
SecZ=1.40
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.5 18.5 19.8
ALT/AZ=45.7 -66.0
fwAVG=3.30
sdW=46.8
fwW=3.43
sdS=29.8
fwS=3.16
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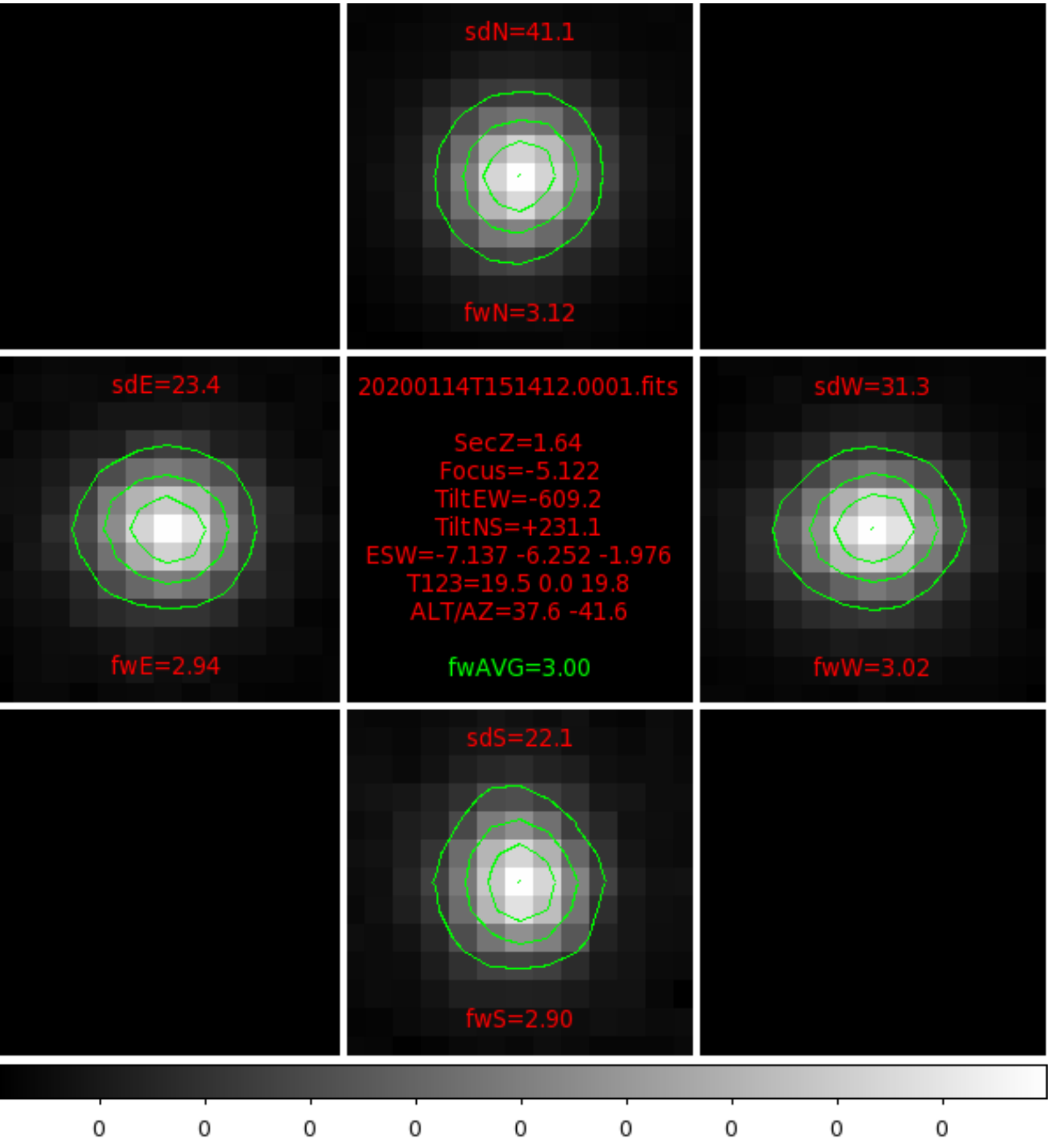
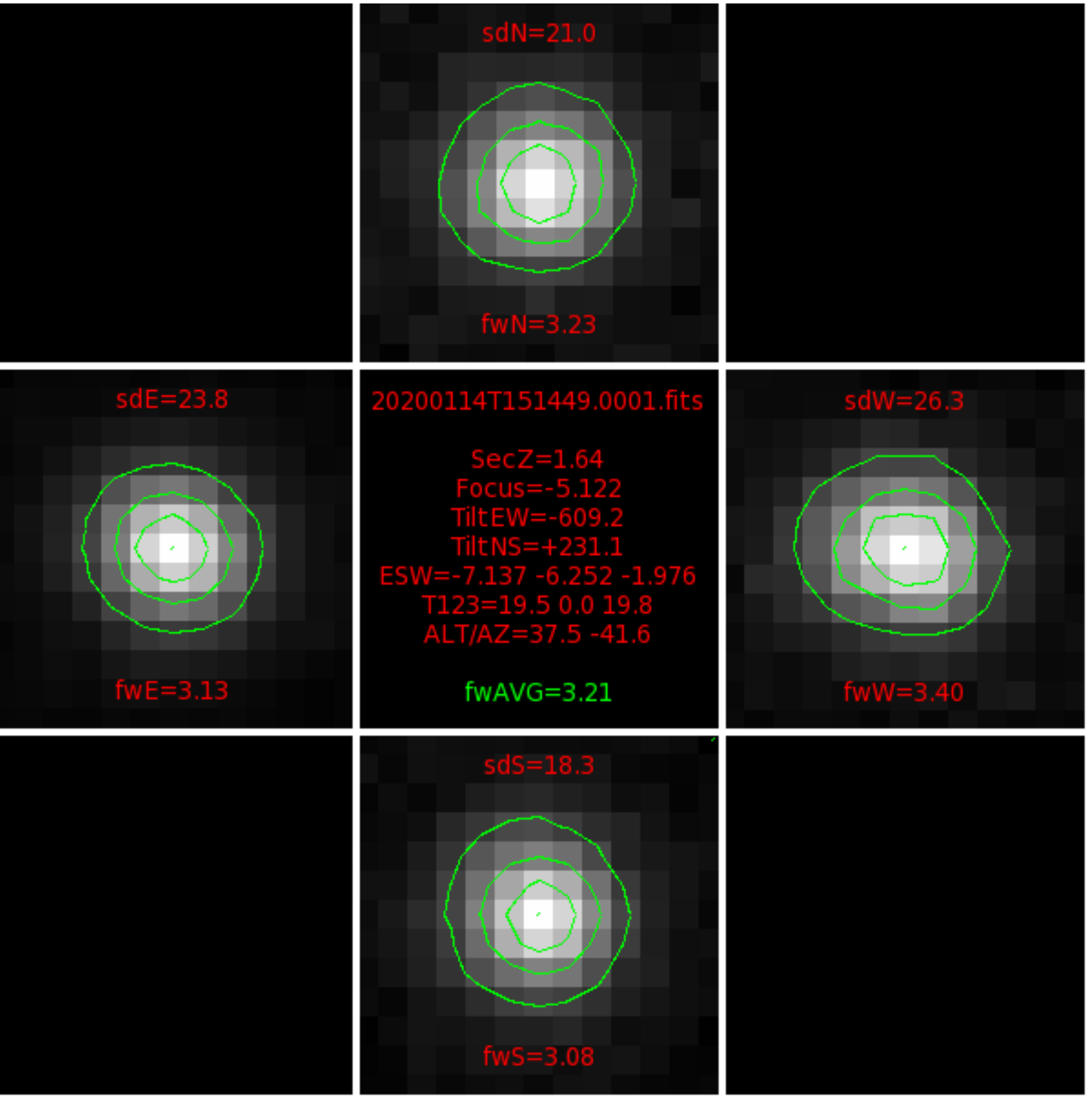
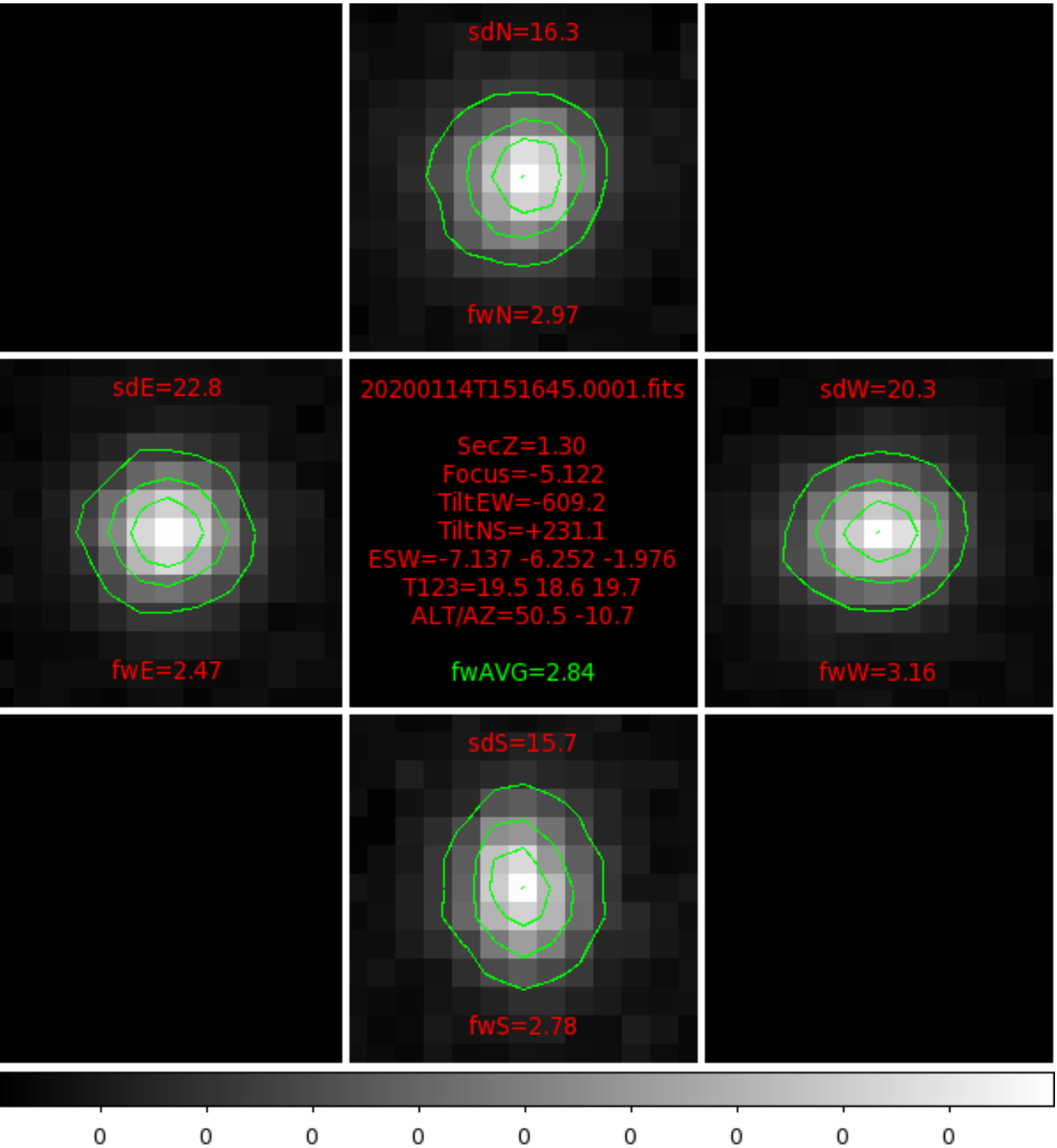
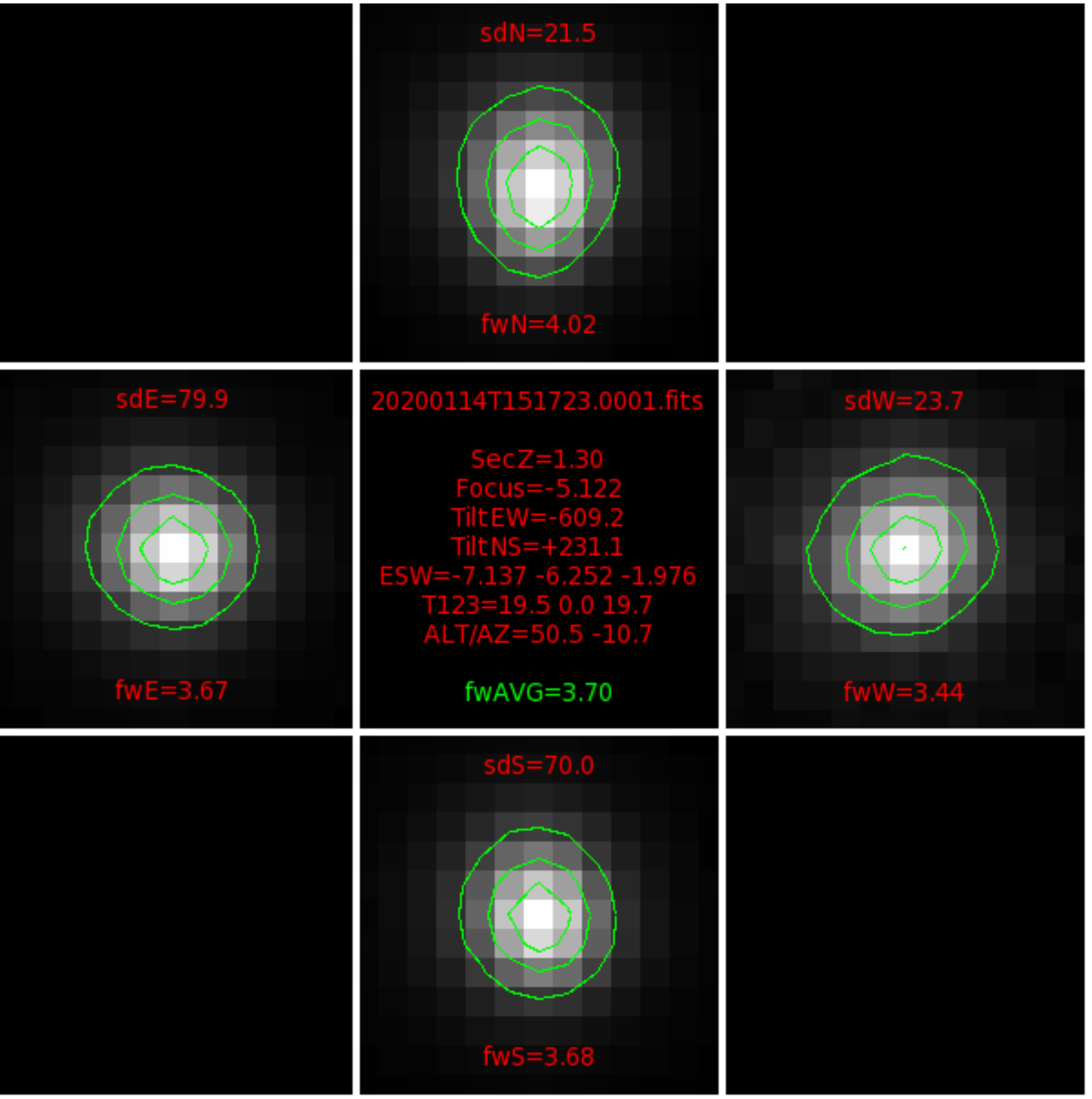

sdN=41.1
fwN=3.12
sdE=23.4
fwE=2.94
20200114T151412.0001.fits
SecZ=1.64
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.5 0.0 19.8
ALT/AZ=37.6 -41.6
fwAVG=3.00
sdW=31.3
fwW=3.02
sdS=22.1
fwS=2.90
0 0 0 0 0 0 0 0 0


sdN=21.0
fwN=3.23
sdE=23.8
fwE=3.13
20200114T151449.0001.fits
SecZ=1.64
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.5 0.0 19.8
ALT/AZ=37.5 -41.6
fwAVG=3.21
sdW=26.3
fwW=3.40
sdS=18.3
fwS=3.08
0 0 0 0 0 0 0 0 0


sdN=16.3
fwN=2.97
sdE=22.8
fwE=2.47
20200114T151645.0001.fits
SecZ=1.30
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.5 18.6 19.7
ALT/AZ=50.5 -10.7
fwAVG=2.84
sdW=20.3
fwW=3.16
sdS=15.7
fwS=2.78
0 0 0 0 0 0 0 0 0


sdN=21.5
fwN=4.02
sdE=79.9
fwE=3.67
20200114T151723.0001.fits
SecZ=1.30
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.5 0.0 19.7
ALT/AZ=50.5 -10.7
fwAVG=3.70
sdW=23.7
fwW=3.44
sdS=70.0
fwS=3.68
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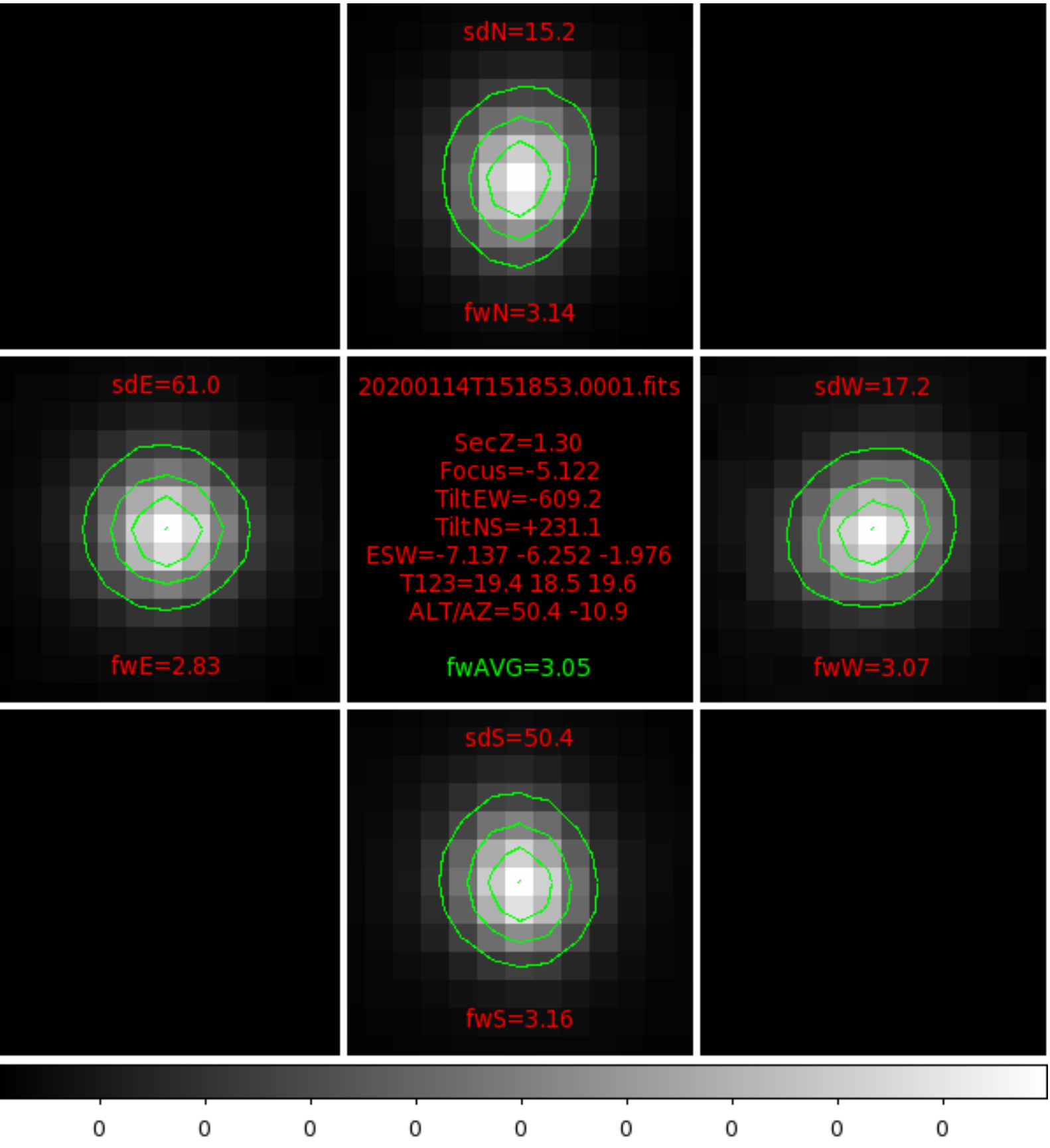
sdN=15.2
fwN=3.14
sdE=61.0
fwE=2.83
20200114T151853.0001.fits
SecZ=1.30
Focus=-5.122
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.137 -6.252 -1.976
T123=19.4 18.5 19.6
ALT/AZ=50.4 -10.9
fwAVG=3.05
sdW=17.2
fwW=3.07
sdS=50.4
fwS=3.16
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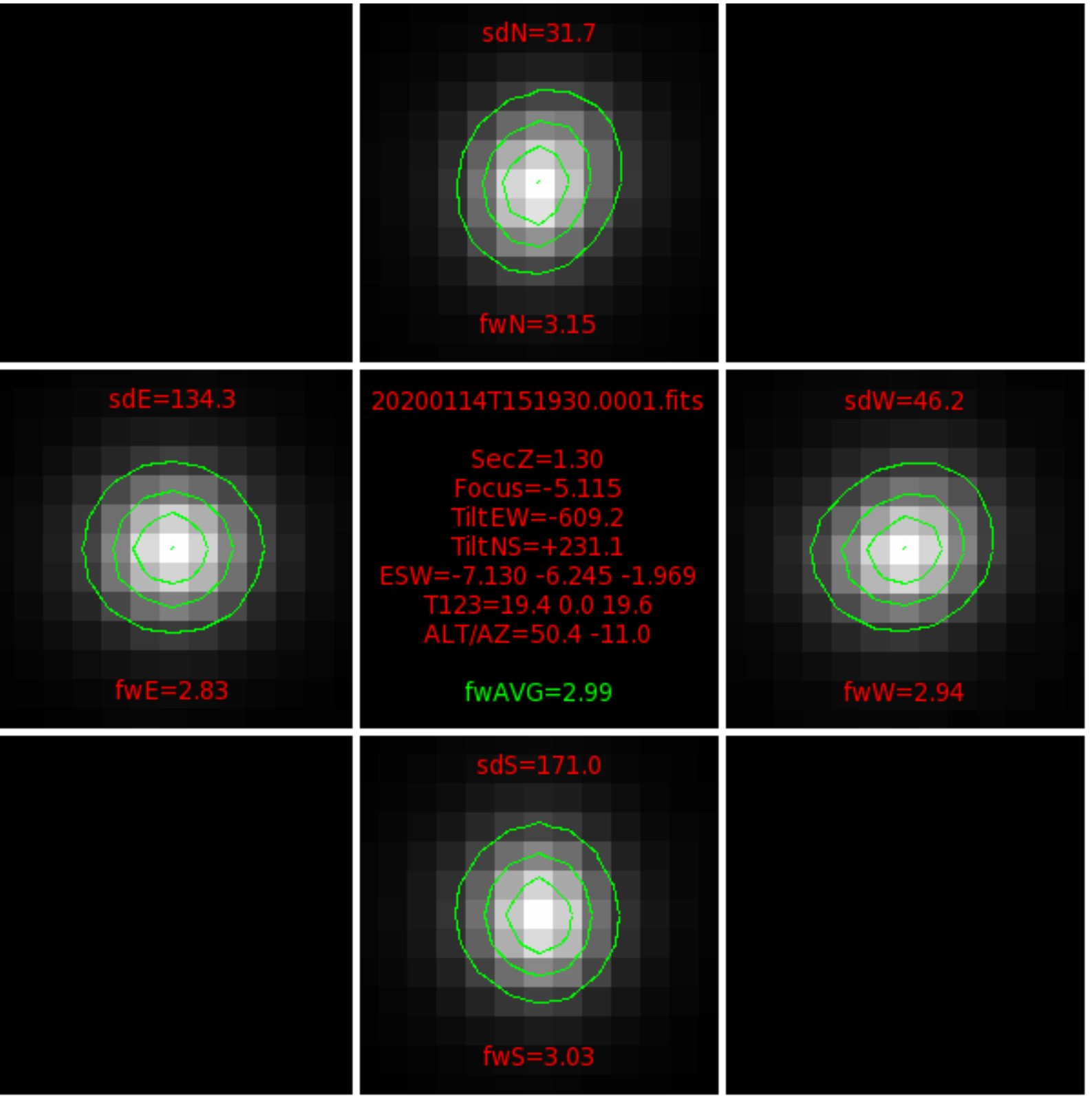
sdN=31.7
fwN=3.15
sdE=134.3
fwE=2.83
20200114T151930.0001.fits
SecZ=1.30
Focus=-5.115
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.130 -6.245 -1.969
T123=19.4 0.0 19.6
ALT/AZ=50.4 -11.0
fwAVG=2.99
sdW=46.2
fwW=2.94
sdS=171.0
fwS=3.03
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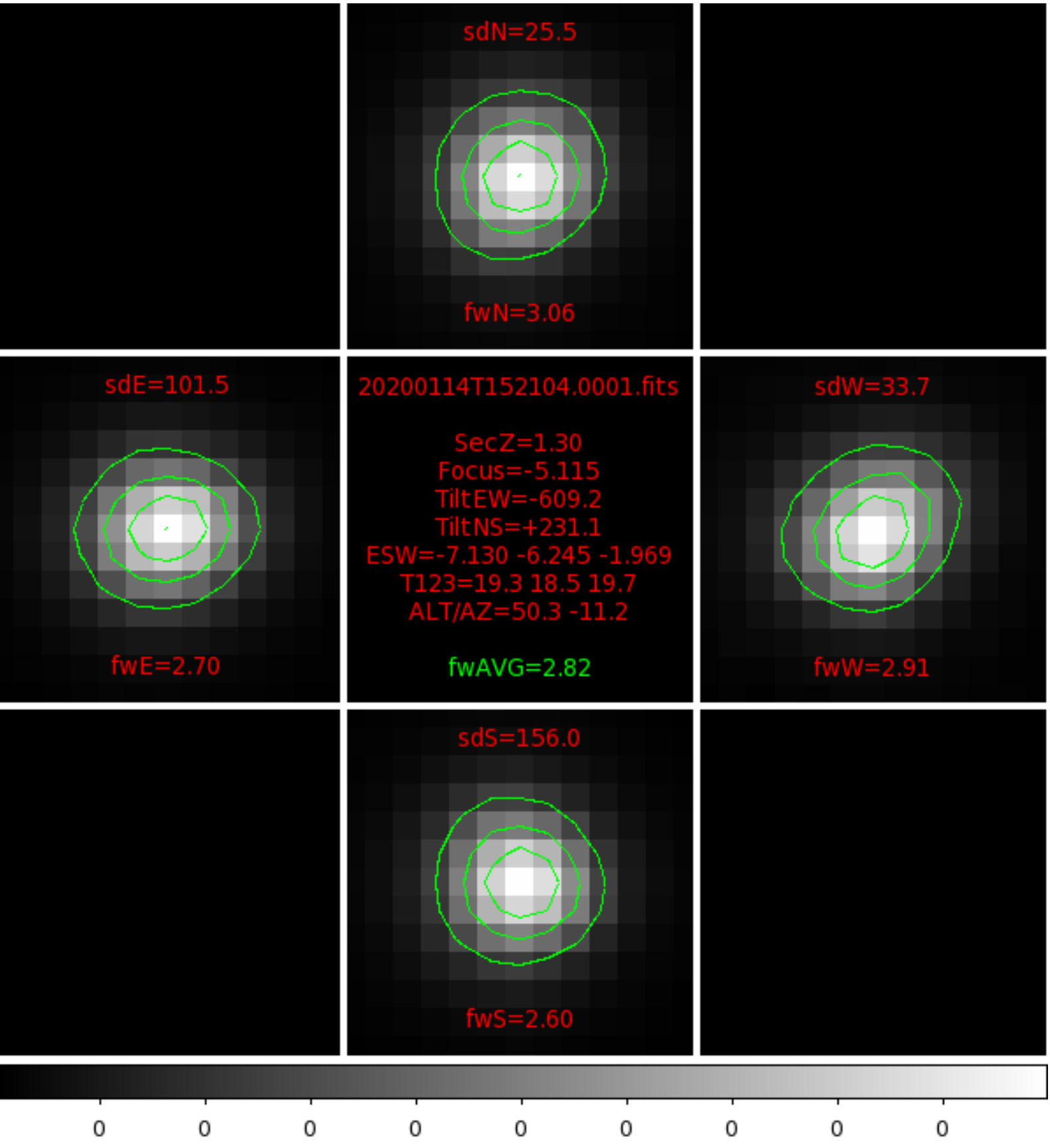
sdN=25.5
fwN=3.06
sdE=101.5
fwE=2.70
20200114T152104.0001.fits
SecZ=1.30
Focus=-5.115
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.130 -6.245 -1.969
T123=19.3 18.5 19.7
ALT/AZ=50.3 -11.2
fwAVG=2.82
sdW=33.7
fwW=2.91
sdS=156.0
fwS=2.60
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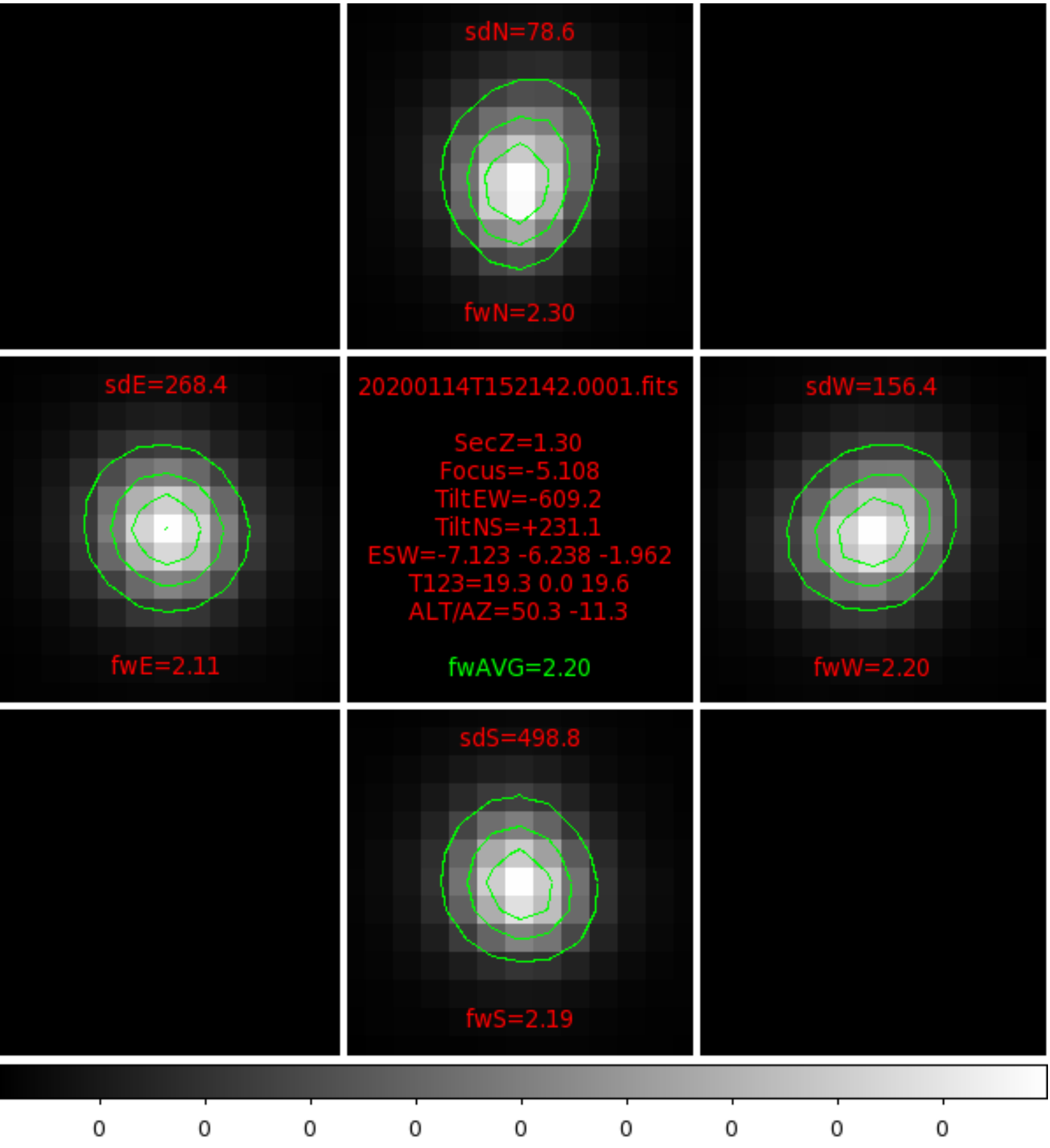
sdN=78.6
fwN=2.30
sdE=268.4
fwE=2.11
20200114T152142.0001.fits
SecZ=1.30
Focus=-5.108
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.123 -6.238 -1.962
T123=19.3 0.0 19.6
ALT/AZ=50.3 -11.3
fwAVG=2.20
sdW=156.4
fwW=2.20
sdS=498.8
fwS=2.19
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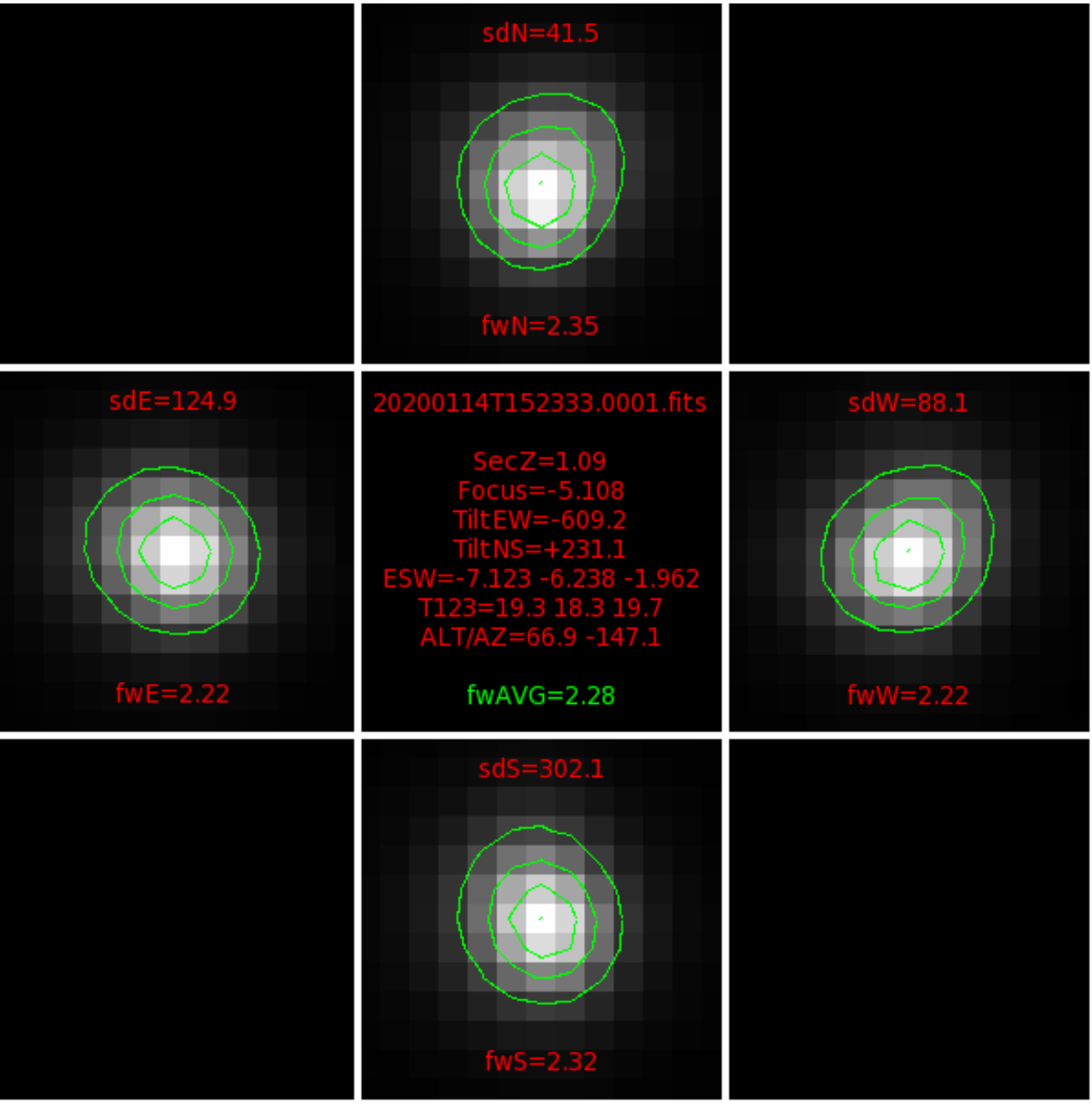
sdN=41.5
fwN=2.35
sdE=124.9
fwE=2.22
20200114T152333.0001.fits
SecZ=1.09
Focus=-5.108
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.123 -6.238 -1.962
T123=19.3 18.3 19.7
ALT/AZ=66.9 -147.1
fwAVG=2.28
sdW=88.1
fwW=2.22
sdS=302.1
fwS=2.32
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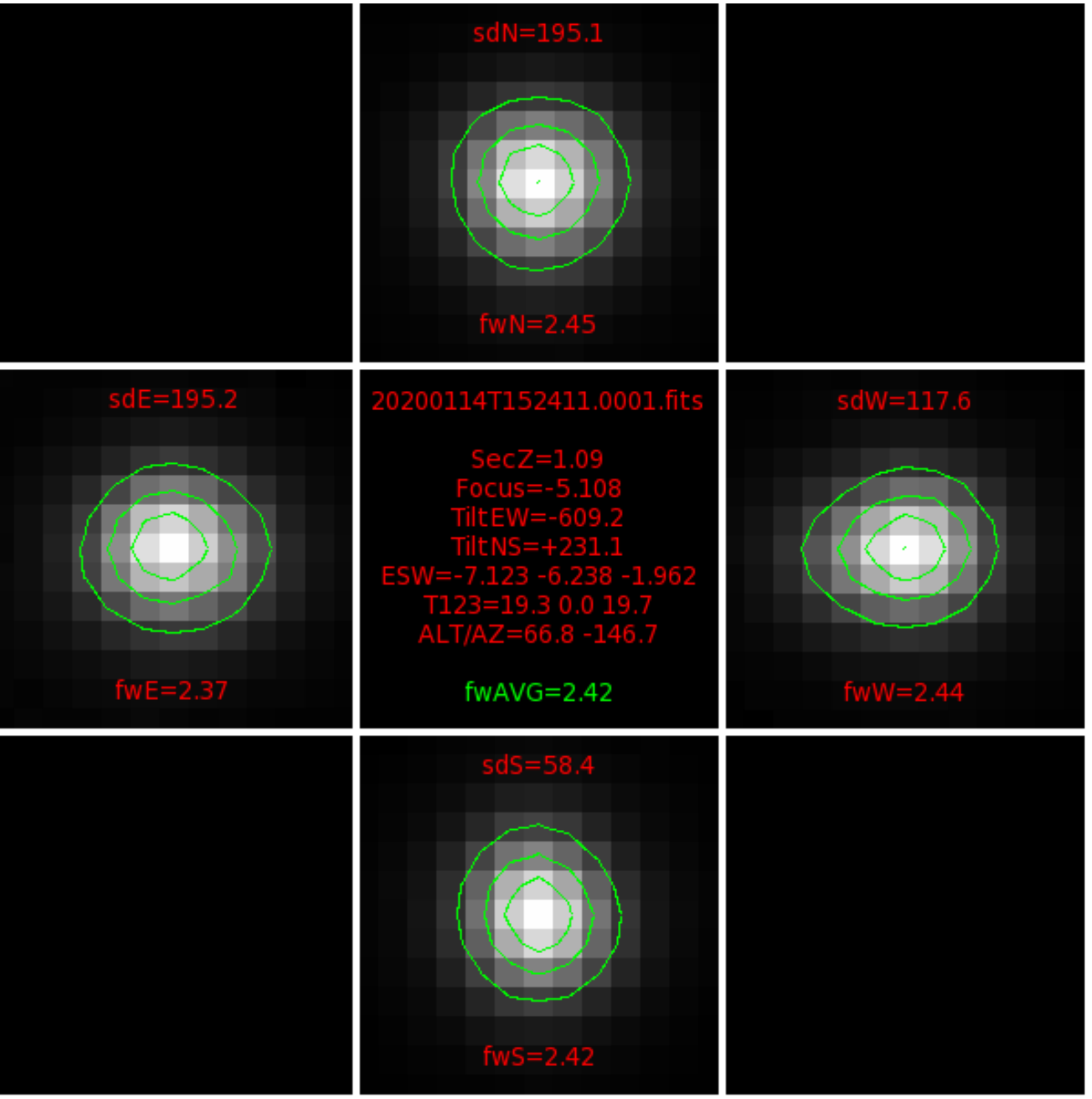
sdN=195.1
fwN=2.45
sdE=195.2
fwE=2.37
20200114T152411.0001.fits
SecZ=1.09
Focus=-5.108
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.123 -6.238 -1.962
T123=19.3 0.0 19.7
ALT/AZ=66.8 -146.7
fwAVG=2.42
sdW=117.6
fwW=2.44
sdS=58.4
fwS=2.42
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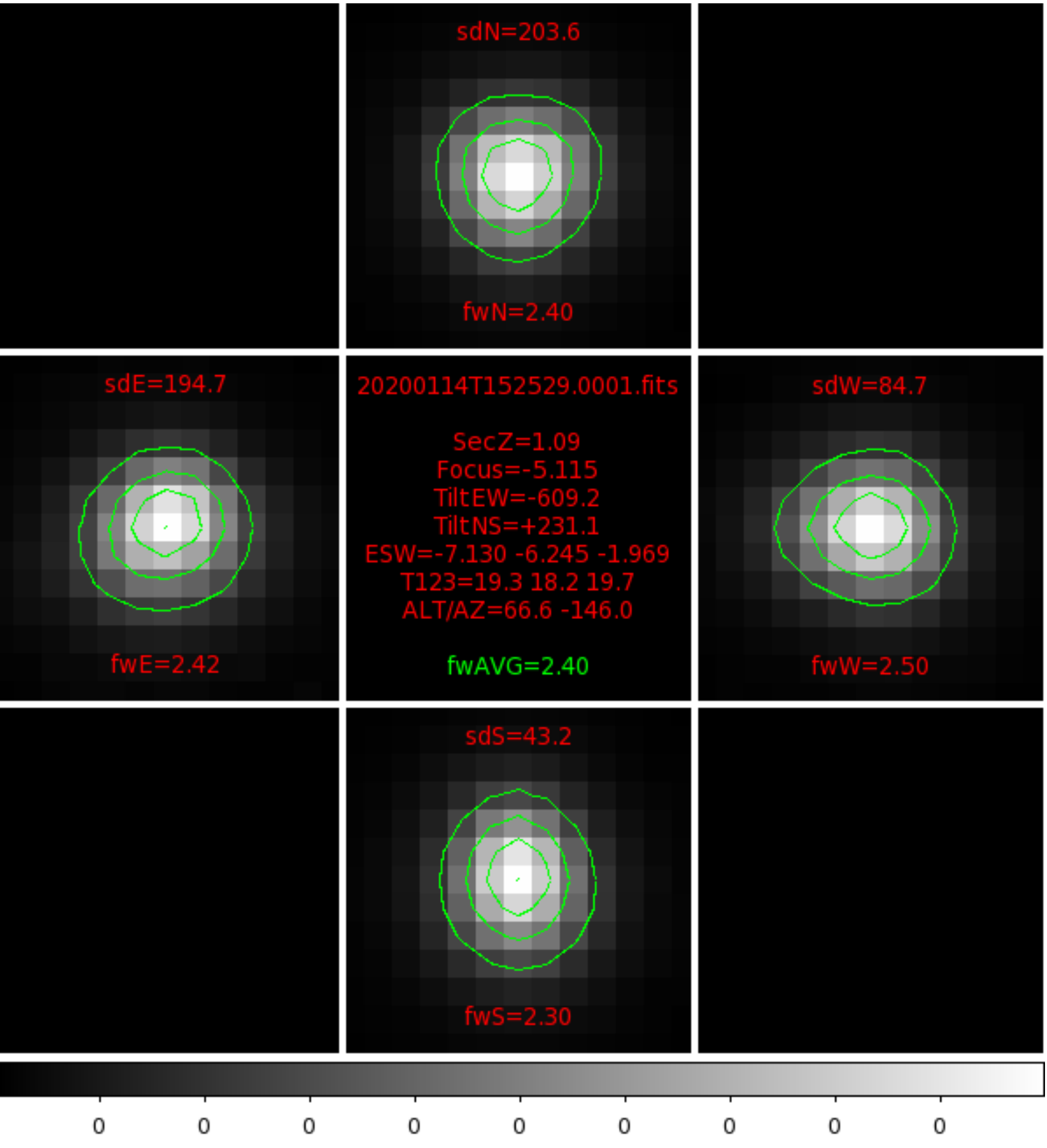
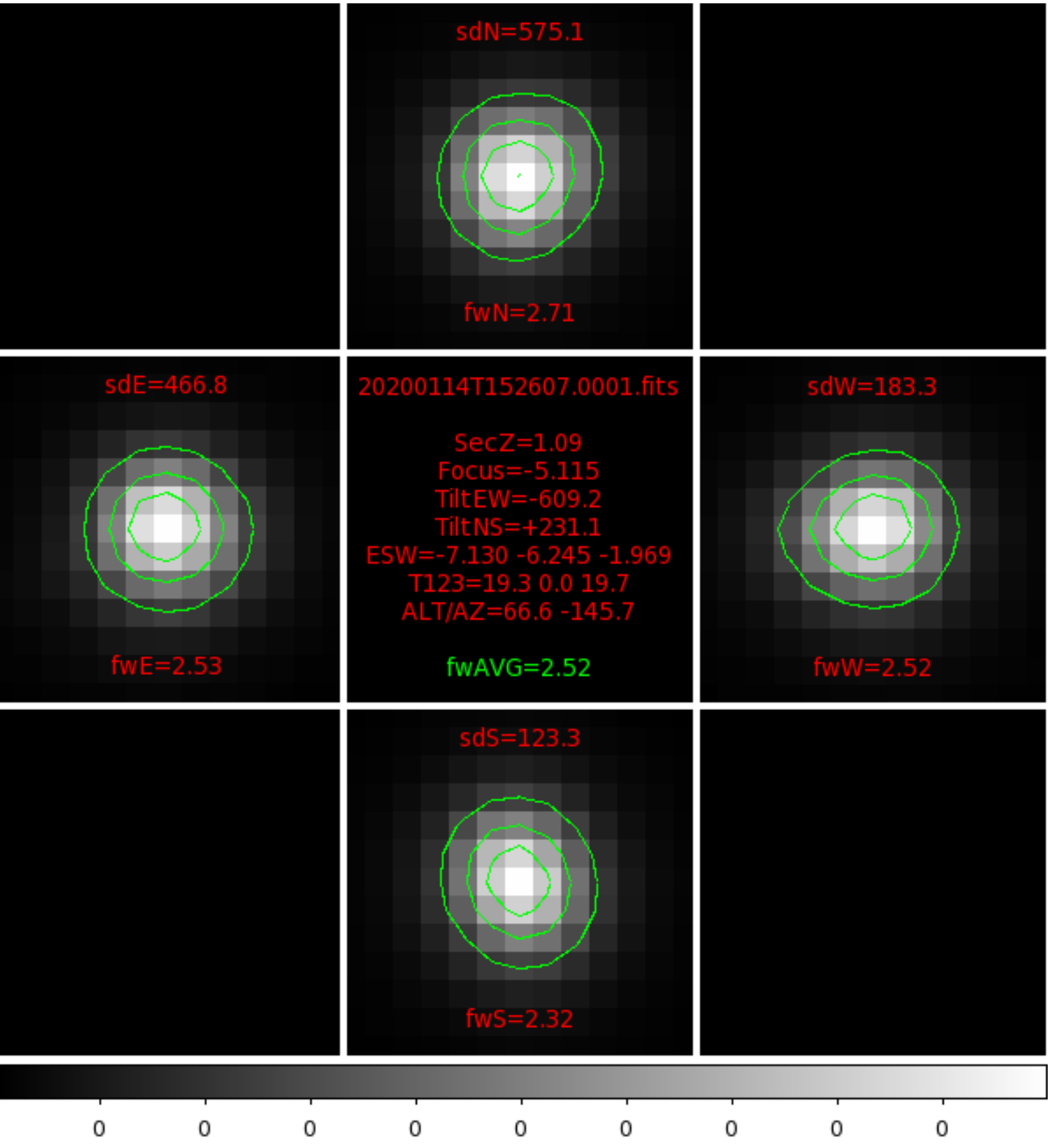

sdN=203.6
fwN=2.40
sdE=194.7
fwE=2.42
20200114T152529.0001.fits
SecZ=1.09
Focus=-5.115
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.130 -6.245 -1.969
T123=19.3 18.2 19.7
ALT/AZ=66.6 -146.0
fwAVG=2.40
sdW=84.7
fwW=2.50
sdS=43.2
fwS=2.30
0 0 0 0 0 0 0 0 0


sdN=575.1
fwN=2.71
sdE=466.8
fwE=2.53
20200114T152607.0001.fits
SecZ=1.09
Focus=-5.115
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.130 -6.245 -1.969
T123=19.3 0.0 19.7
ALT/AZ=66.6 -145.7
fwAVG=2.52
sdW=183.3
fwW=2.52
sdS=123.3
fwS=2.32
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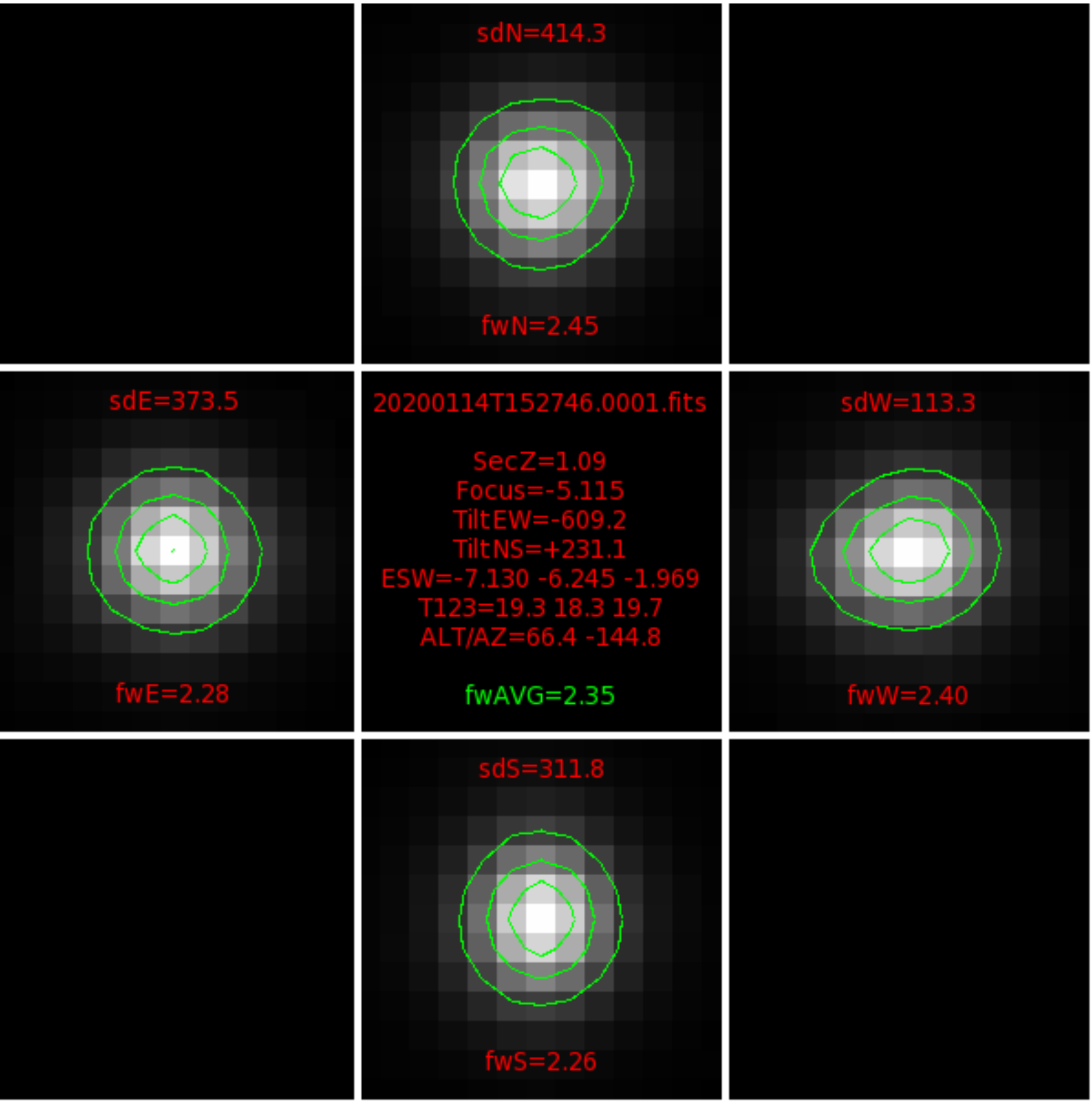
sdN=414.3
fwN=2.45
sdE=373.5
fwE=2.28
20200114T152746.0001.fits
SecZ=1.09
Focus=-5.115
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.130 -6.245 -1.969
T123=19.3 18.3 19.7
ALT/AZ=66.4 -144.8
fwAVG=2.35
sdW=113.3
fwW=2.40
sdS=311.8
fwS=2.26
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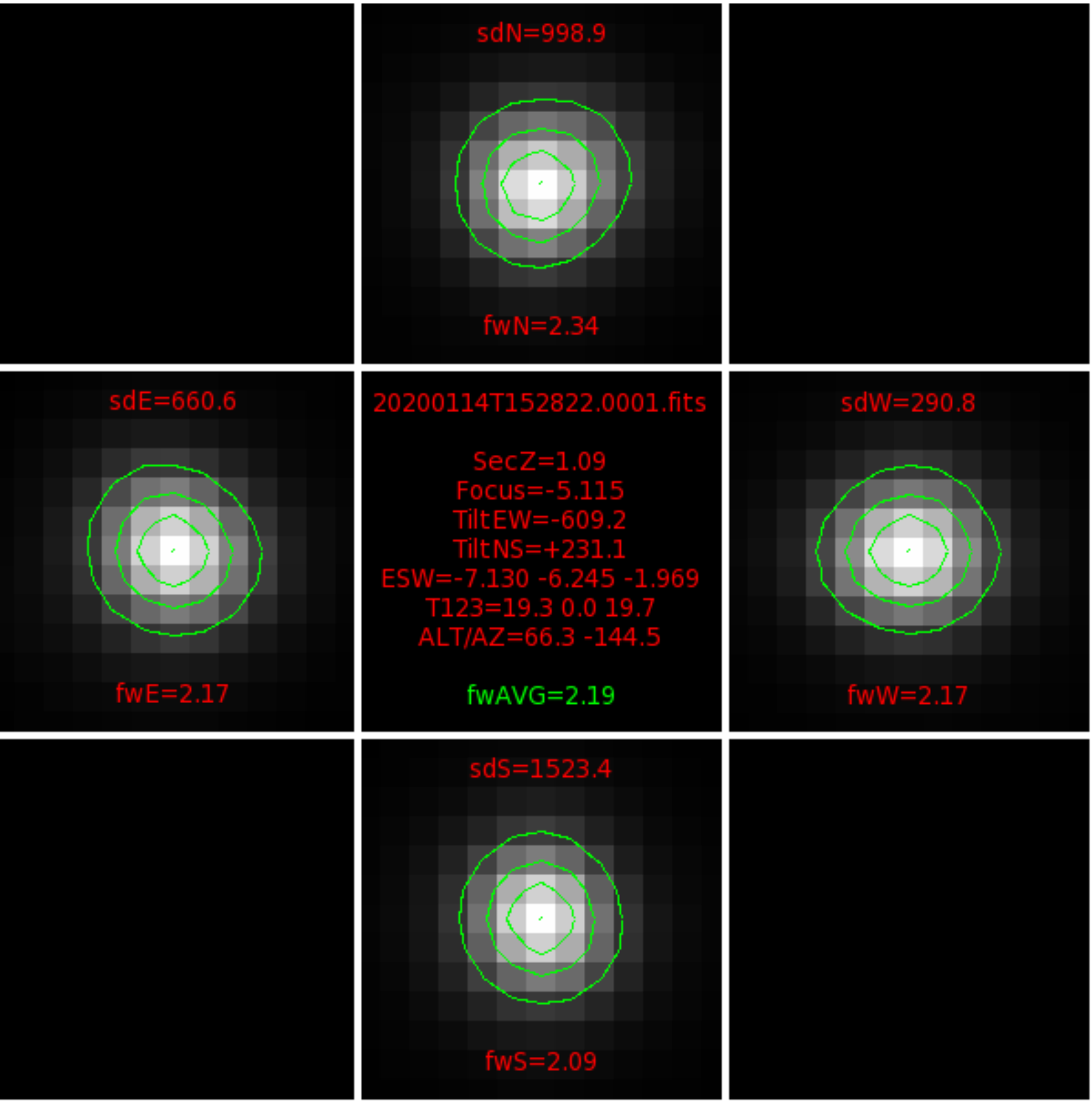
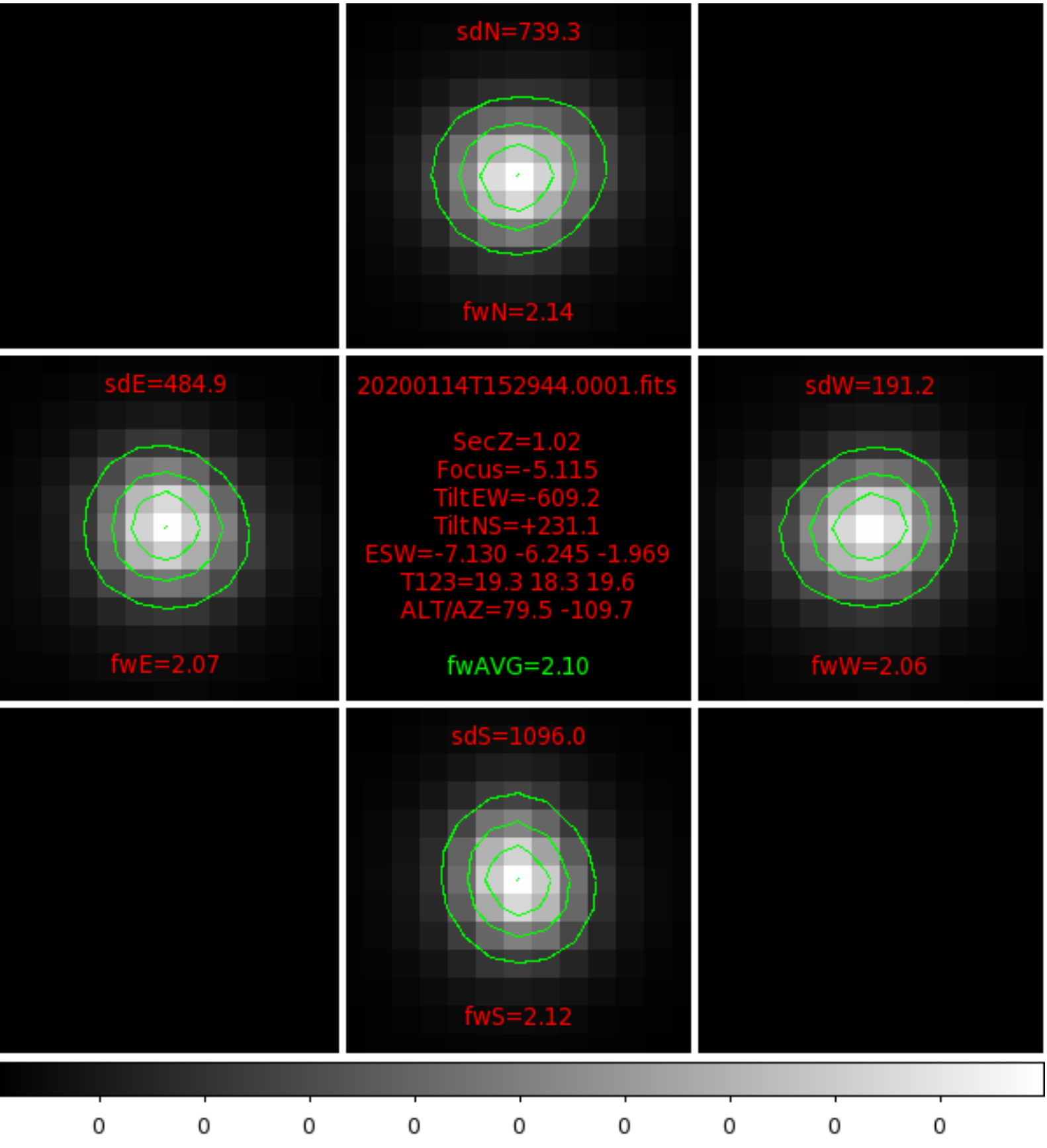
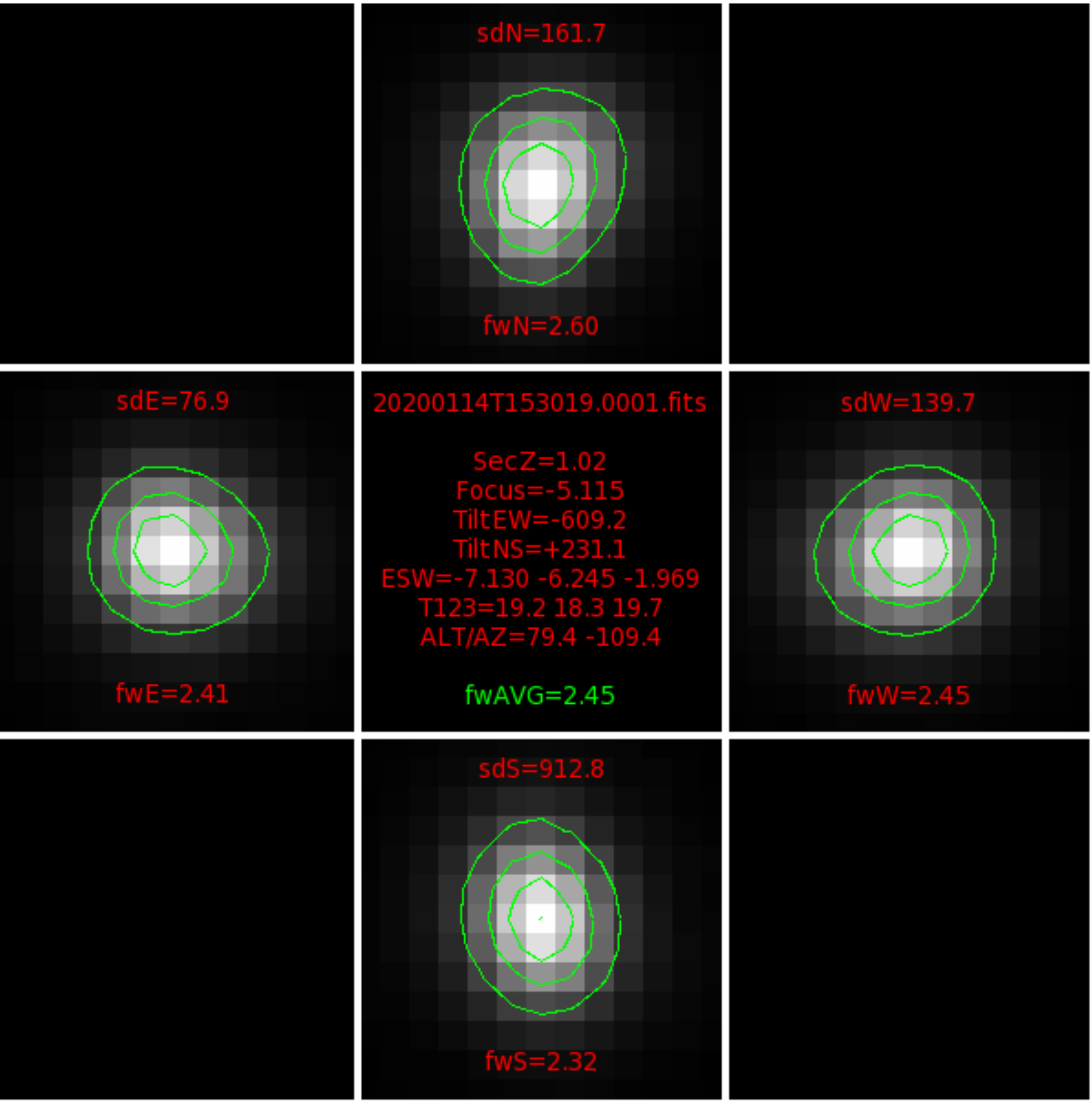

sdN=998.9
fwN=2.34
sdE=660.6
fwE=2.17
20200114T152822.0001.fits
SecZ=1.09
Focus=-5.115
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.130 -6.245 -1.969
T123=19.3 0.0 19.7
ALT/AZ=66.3 -144.5
fwAVG=2.19
sdW=290.8
fwW=2.17
sdS=1523.4
fwS=2.09
0 0 0 0 0 0 0 0 0


sdN=739.3
fwN=2.14
sdE=484.9
fwE=2.07
20200114T152944.0001.fits
SecZ=1.02
Focus=-5.115
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.130 -6.245 -1.969
T123=19.3 18.3 19.6
ALT/AZ=79.5 -109.7
fwAVG=2.10
sdW=191.2
fwW=2.06
sdS=1096.0
fwS=2.12
0 0 0 0 0 0 0 0 0


sdN=161.7
fwN=2.60
sdE=76.9
fwE=2.41
20200114T153019.0001.fits
SecZ=1.02
Focus=-5.115
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.130 -6.245 -1.969
T123=19.2 18.3 19.7
ALT/AZ=79.4 -109.4
fwAVG=2.45
sdW=139.7
fwW=2.45
sdS=912.8
fwS=2.32
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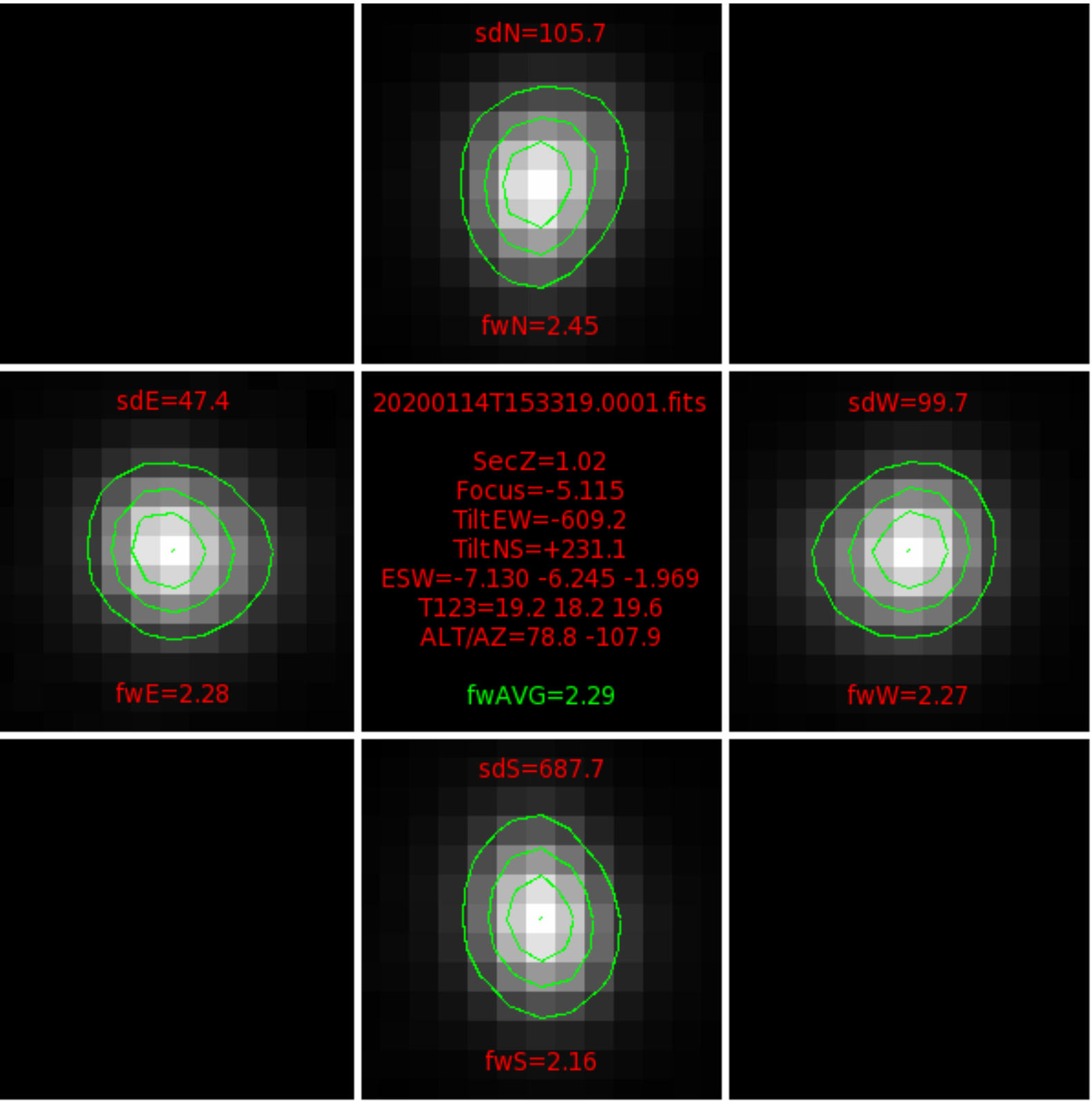
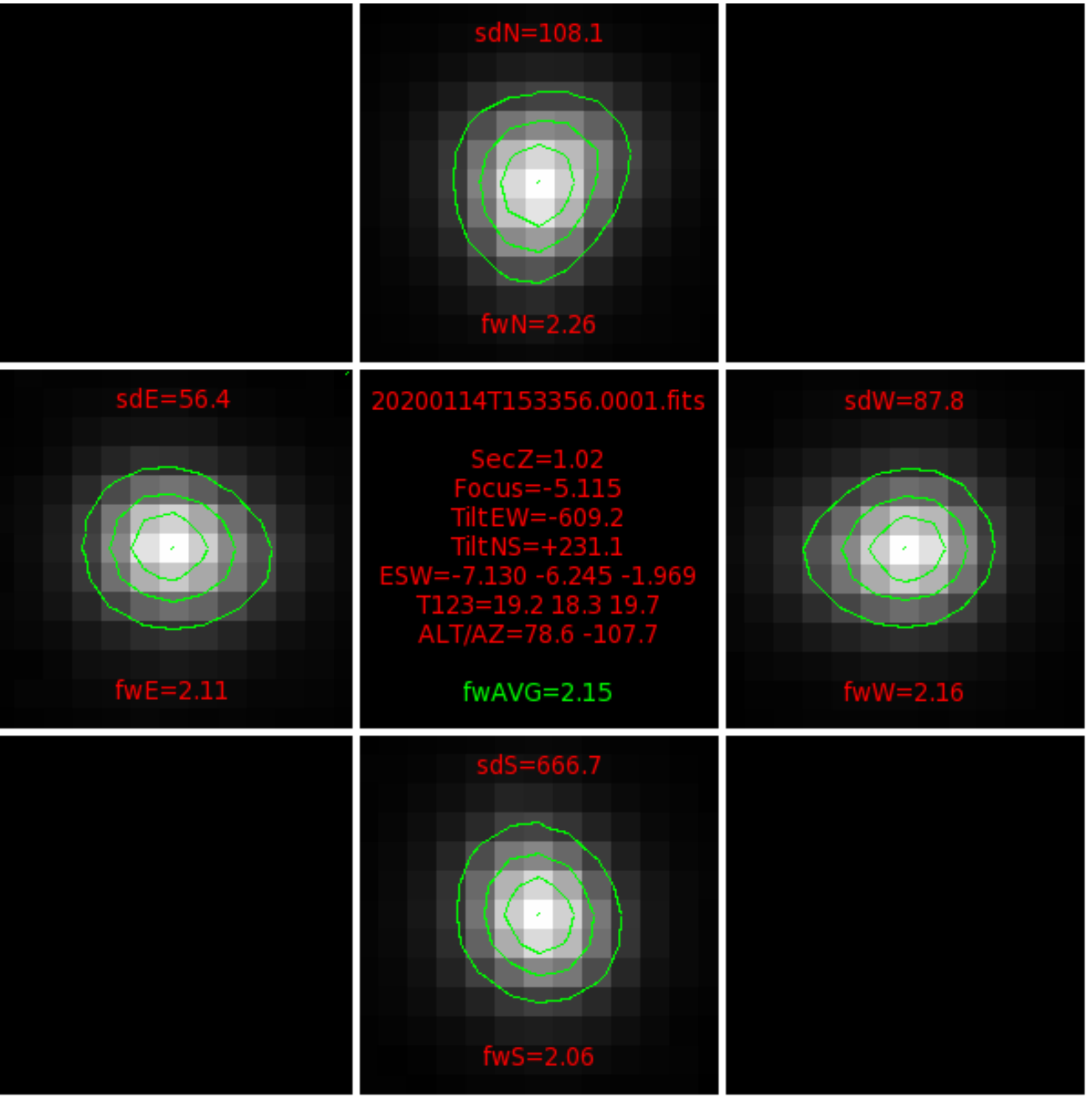

sdN=105.7
fwN=2.45
sdE=47.4
fwE=2.28
20200114T153319.0001.fits
SecZ=1.02
Focus=-5.115
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.130 -6.245 -1.969
T123=19.2 18.2 19.6
ALT/AZ=78.8 -107.9
fwAVG=2.29
sdW=99.7
fwW=2.27
sdS=687.7
fwS=2.16
0 0 0 0 0 0 0 0 0


sdN=108.1
fwN=2.26
sdE=56.4
fwE=2.11
20200114T153356.0001.fits
SecZ=1.02
Focus=-5.115
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.130 -6.245 -1.969
T123=19.2 18.3 19.7
ALT/AZ=78.6 -107.7
fwAVG=2.15
sdW=87.8
fwW=2.16
sdS=666.7
fwS=2.06
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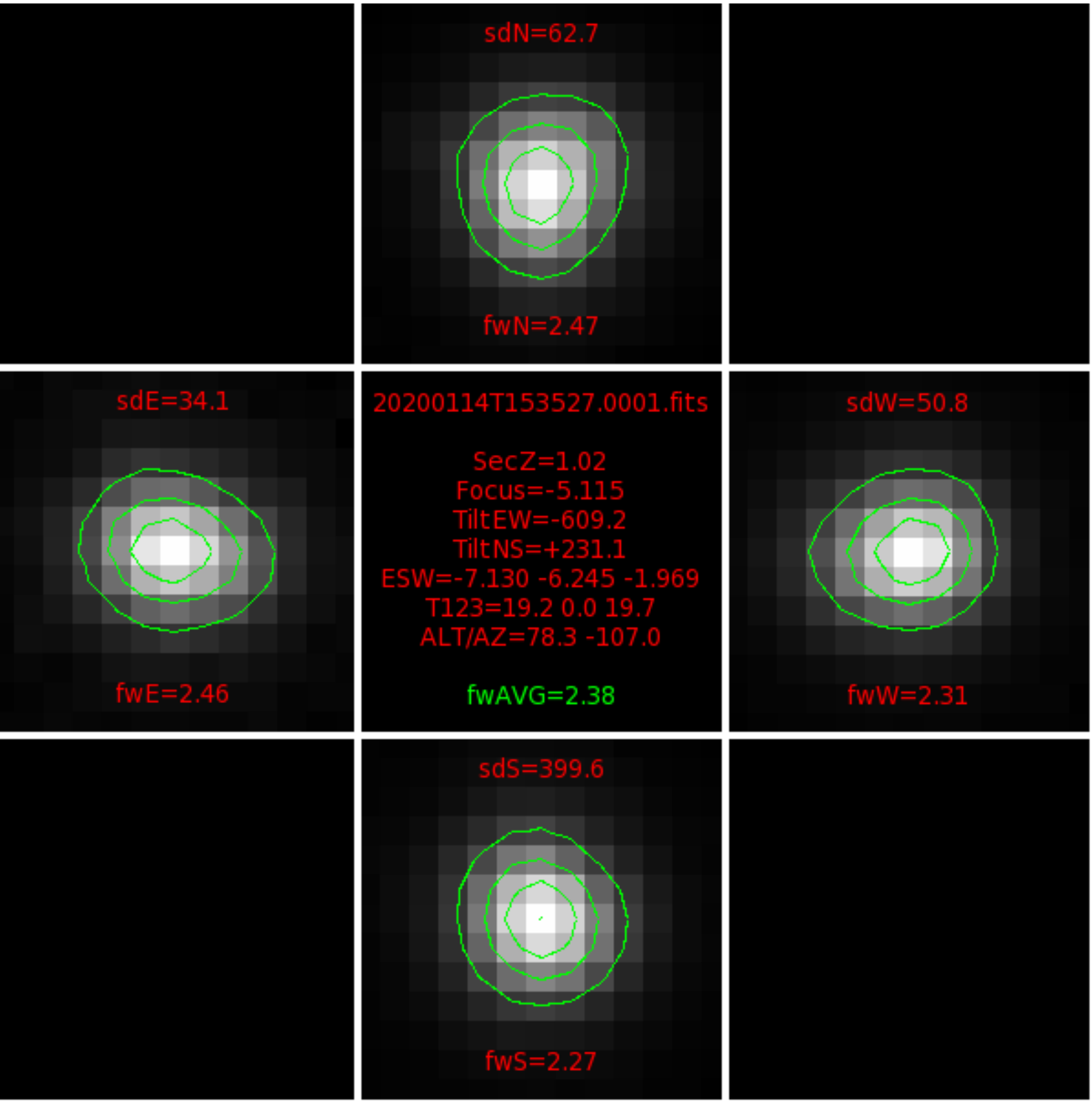
sdN=62.7
fwN=2.47
sdE=34.1
fwE=2.46
20200114T153527.0001.fits
SecZ=1.02
Focus=-5.115
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.130 -6.245 -1.969
T123=19.2 0.0 19.7
ALT/AZ=78.3 -107.0
fwAVG=2.38
sdW=50.8
fwW=2.31
sdS=399.6
fwS=2.27
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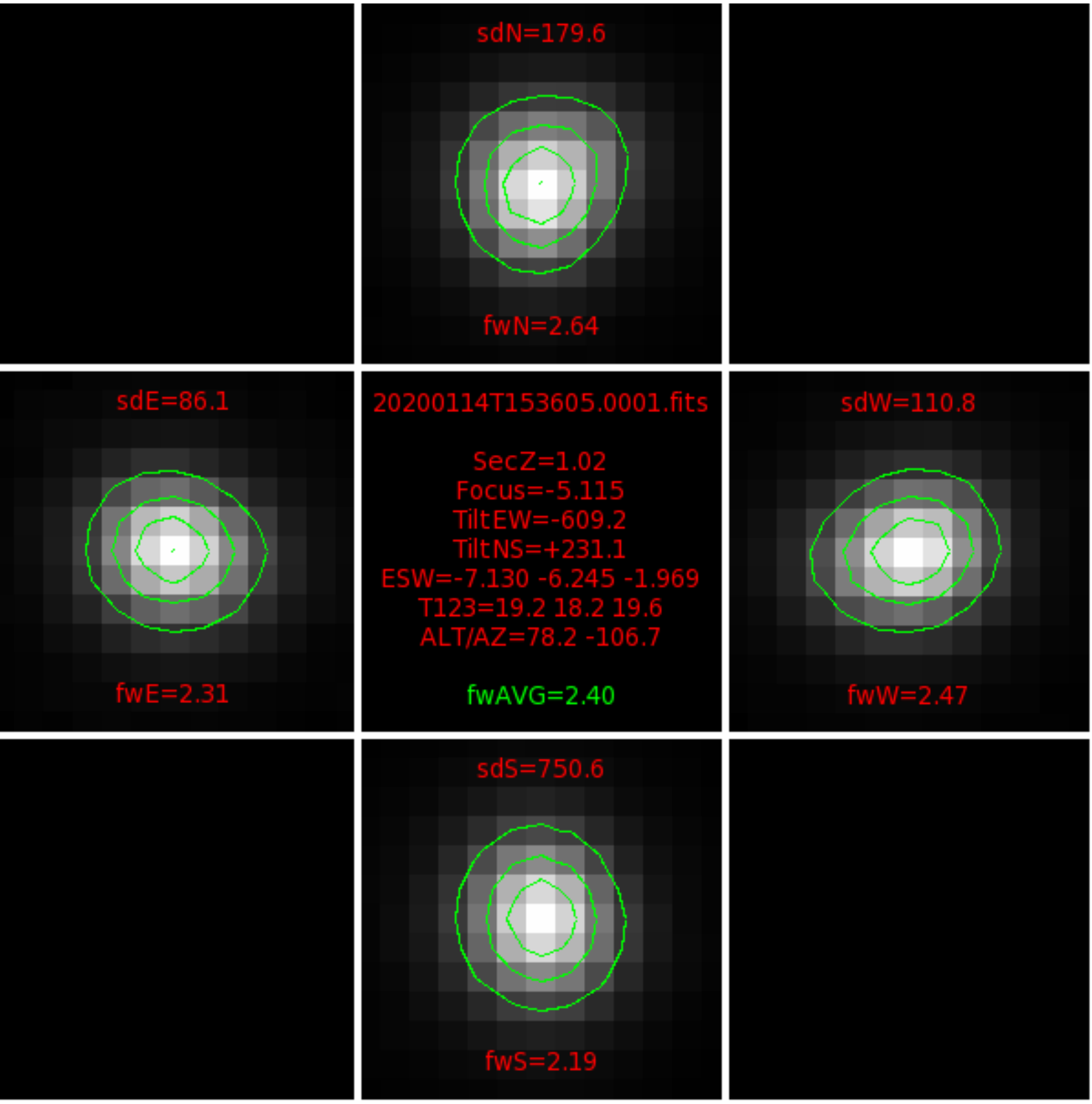
sdN=179.6
fwN=2.64
sdE=86.1
fwE=2.31
20200114T153605.0001.fits
SecZ=1.02
Focus=-5.115
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.130 -6.245 -1.969
T123=19.2 18.2 19.6
ALT/AZ=78.2 -106.7
fwAVG=2.40
sdW=110.8
fwW=2.47
sdS=750.6
fwS=2.19
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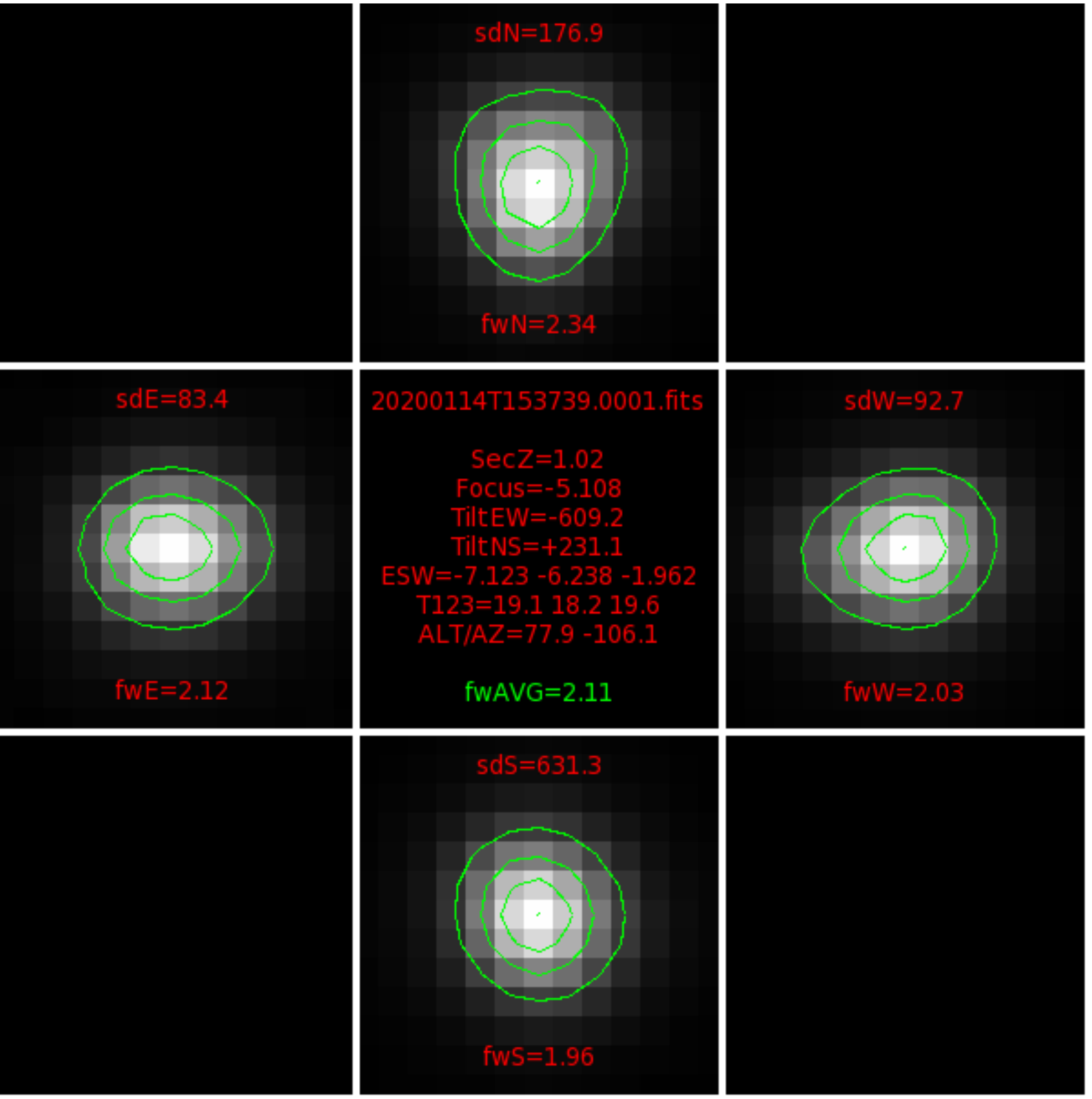
sdN=176.9
fwN=2.34
sdE=83.4
fwE=2.12
20200114T153739.0001.fits
SecZ=1.02
Focus=-5.108
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.123 -6.238 -1.962
T123=19.1 18.2 19.6
ALT/AZ=77.9 -106.1
fwAVG=2.11
sdW=92.7
fwW=2.03
sdS=631.3
fwS=1.96
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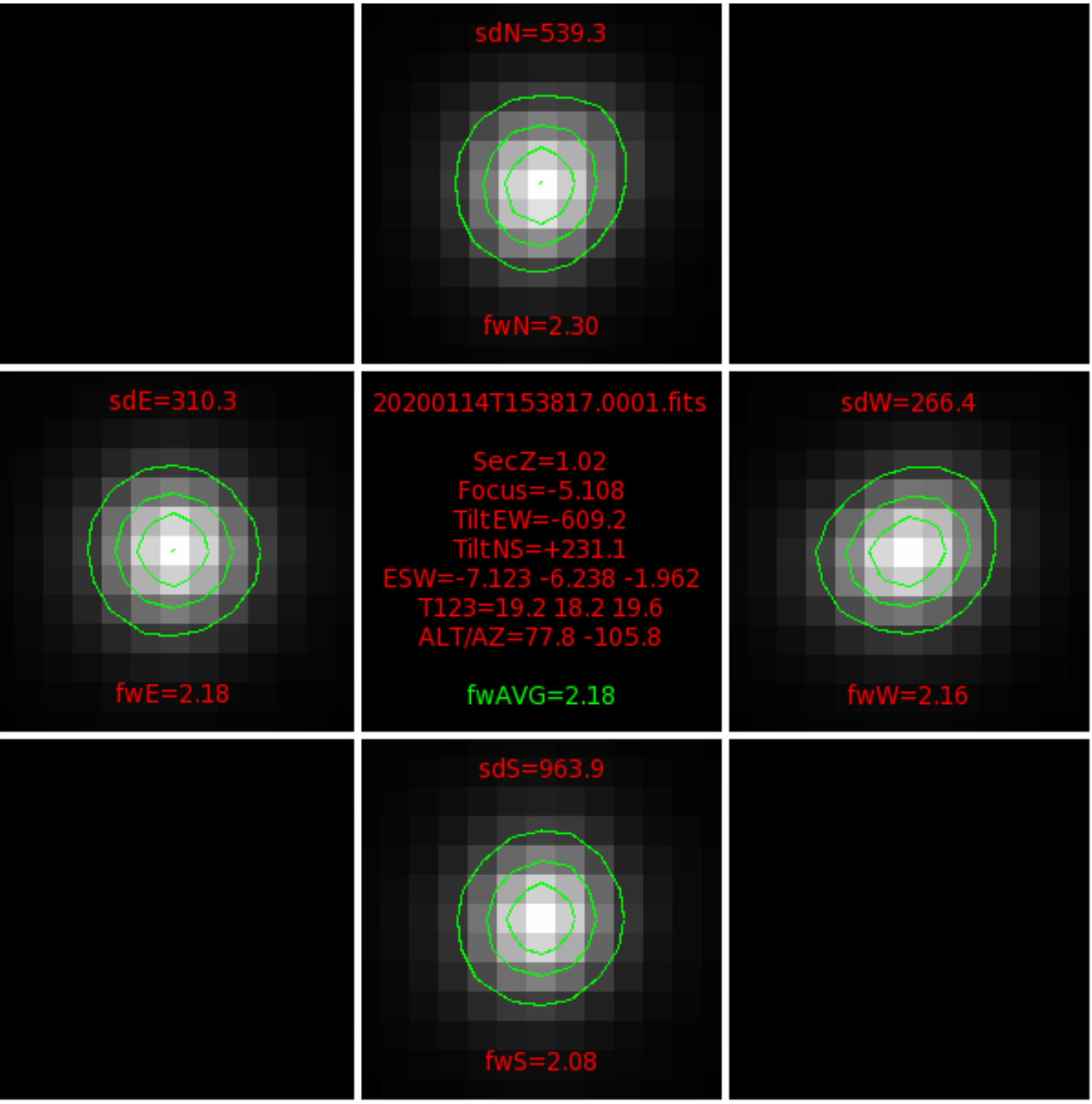
sdN=539.3
fwN=2.30
sdE=310.3
fwE=2.18
20200114T153817.0001.fits
SecZ=1.02
Focus=-5.108
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.123 -6.238 -1.962
T123=19.2 18.2 19.6
ALT/AZ=77.8 -105.8
fwAVG=2.18
sdW=266.4
fwW=2.16
sdS=963.9
fwS=2.08
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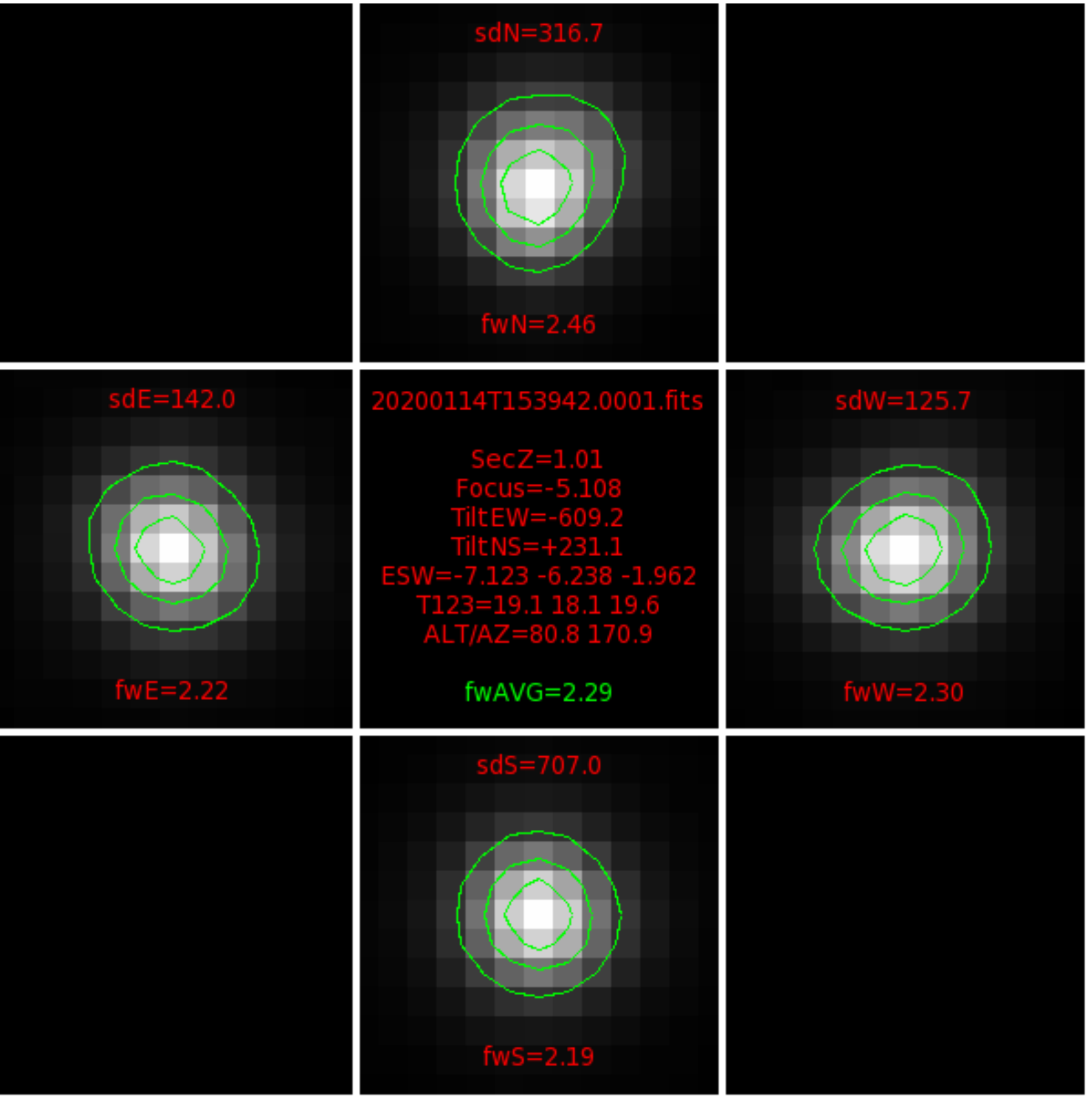
sdN=316.7
fwN=2.46
sdE=142.0
fwE=2.22
20200114T153942.0001.fits
SecZ=1.01
Focus=-5.108
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.123 -6.238 -1.962
T123=19.1 18.1 19.6
ALT/AZ=80.8 170.9
fwAVG=2.29
sdW=125.7
fwW=2.30
sdS=707.0
fwS=2.19
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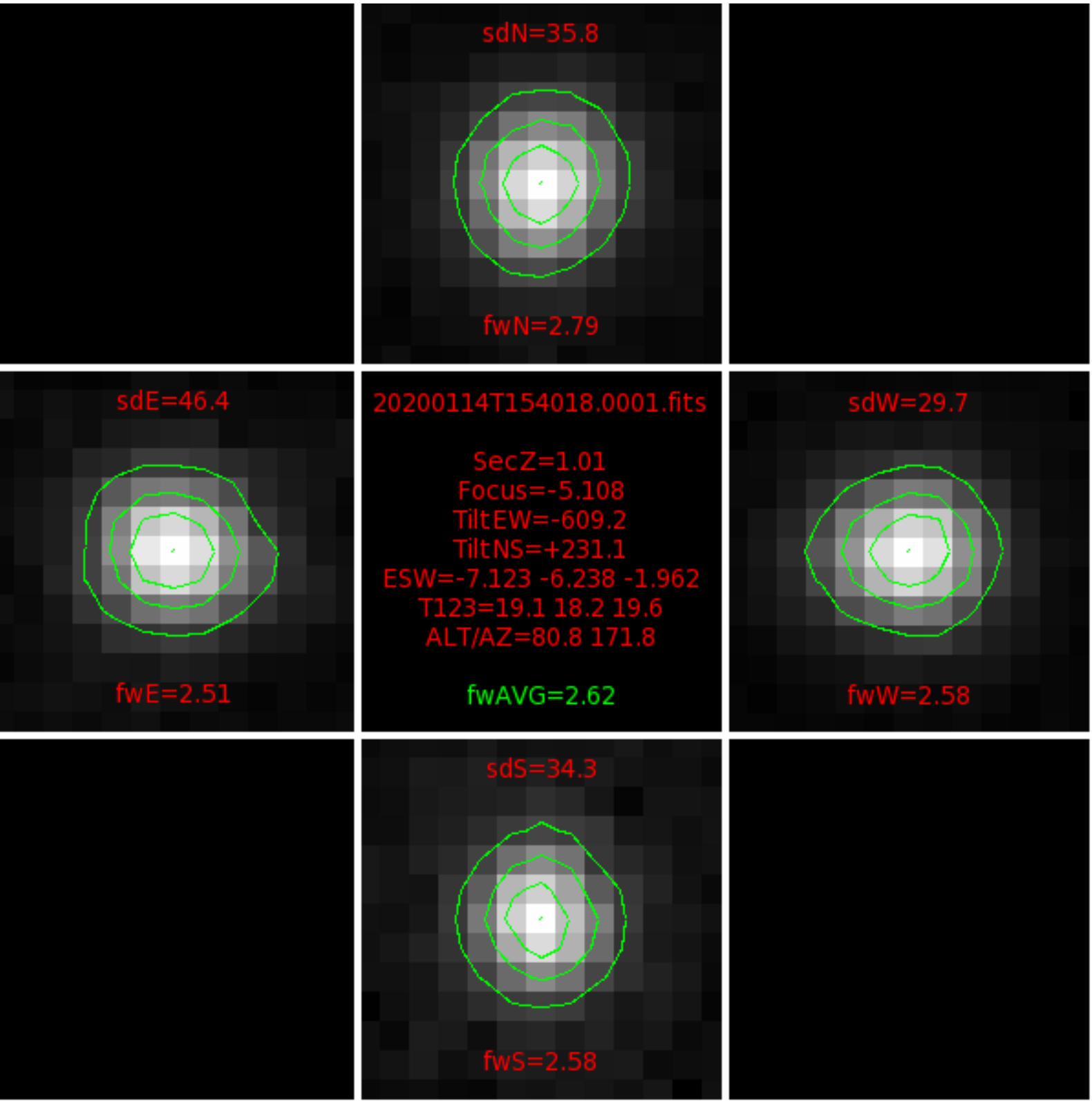
sdN=35.8
fwN=2.79
sdE=46.4
fwE=2.51
20200114T154018.0001.fits
SecZ=1.01
Focus=-5.108
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.123 -6.238 -1.962
T123=19.1 18.2 19.6
ALT/AZ=80.8 171.8
fwAVG=2.62
sdW=29.7
fwW=2.58
sdS=34.3
fwS=2.58
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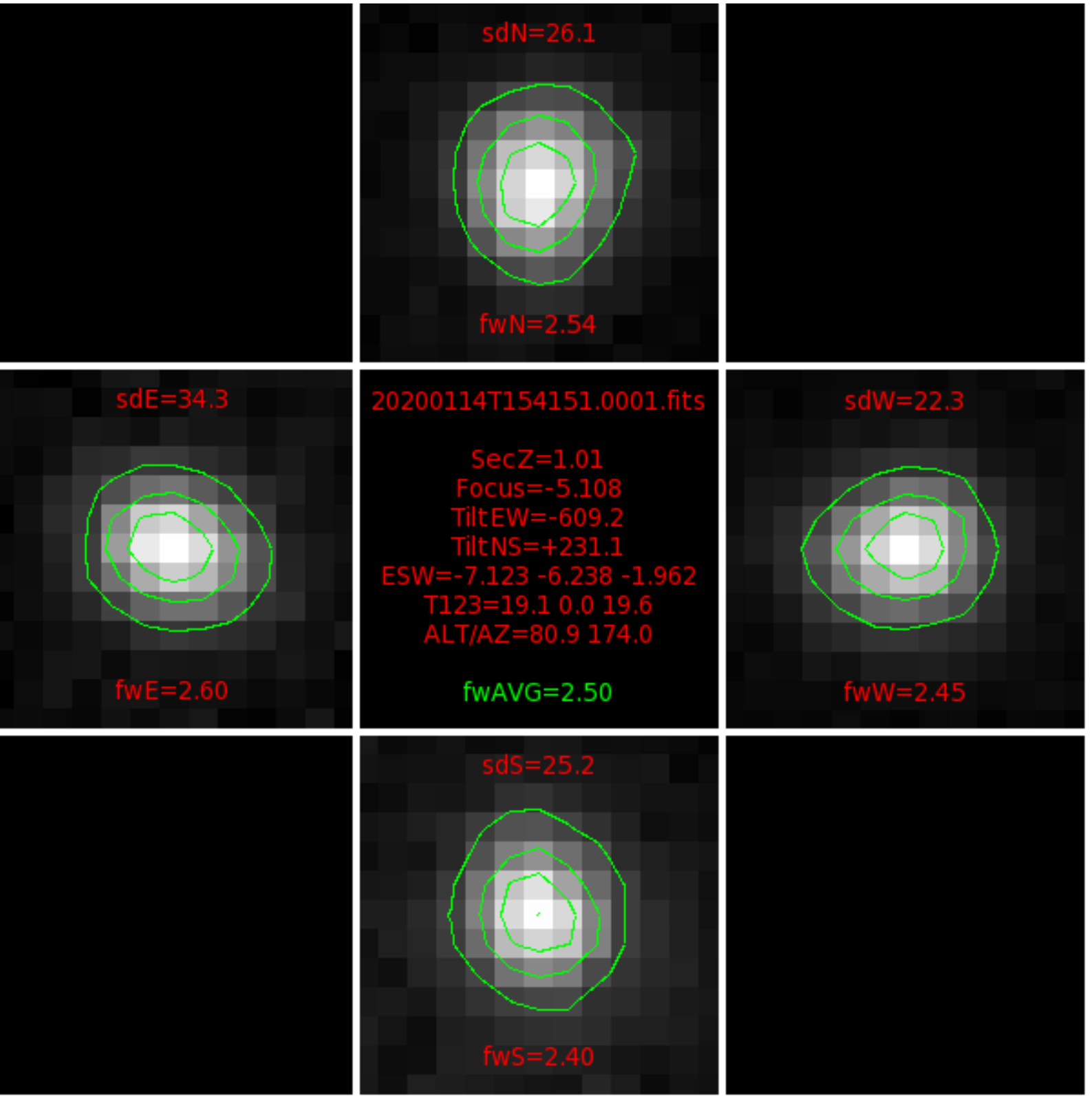
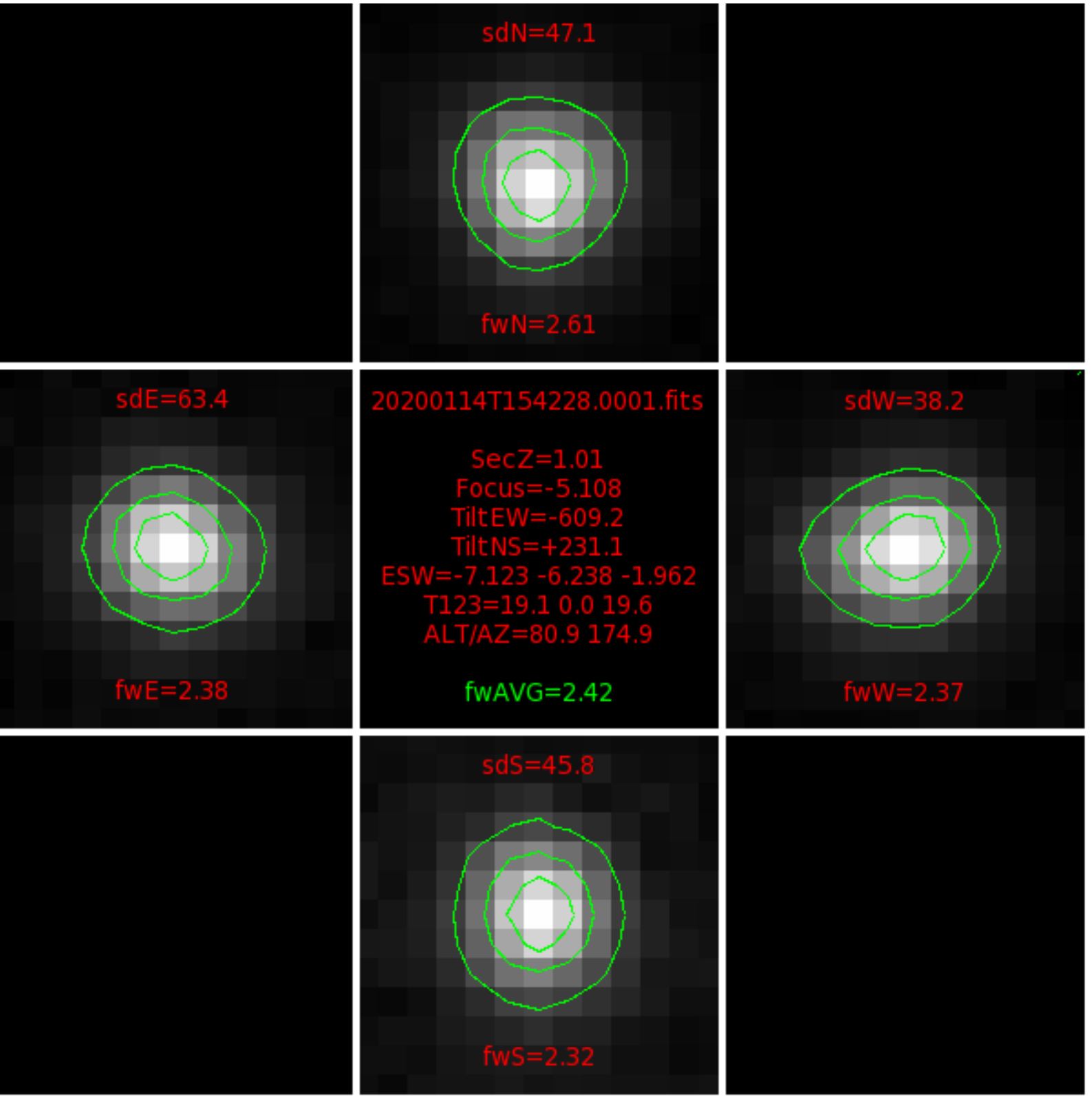
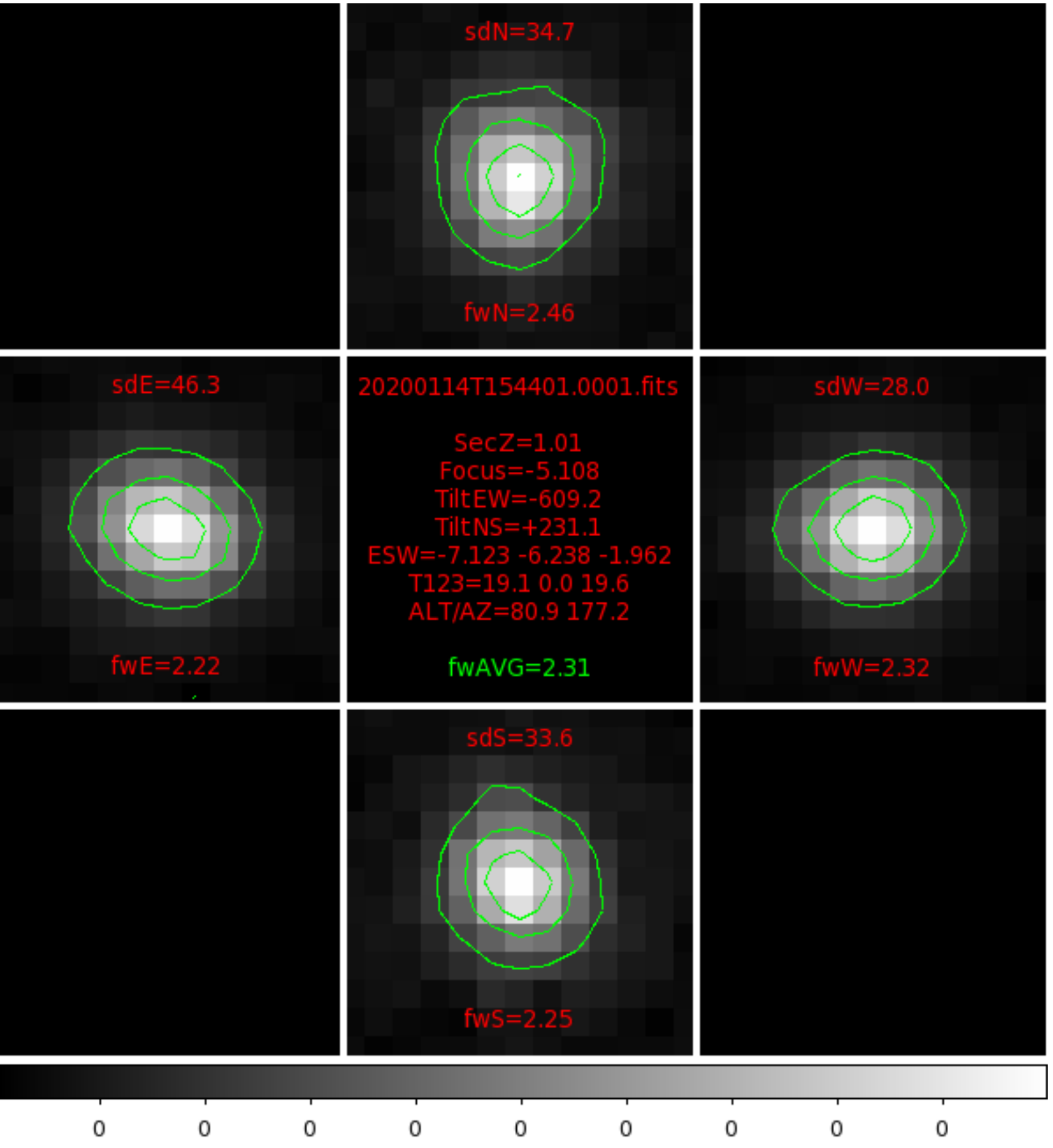
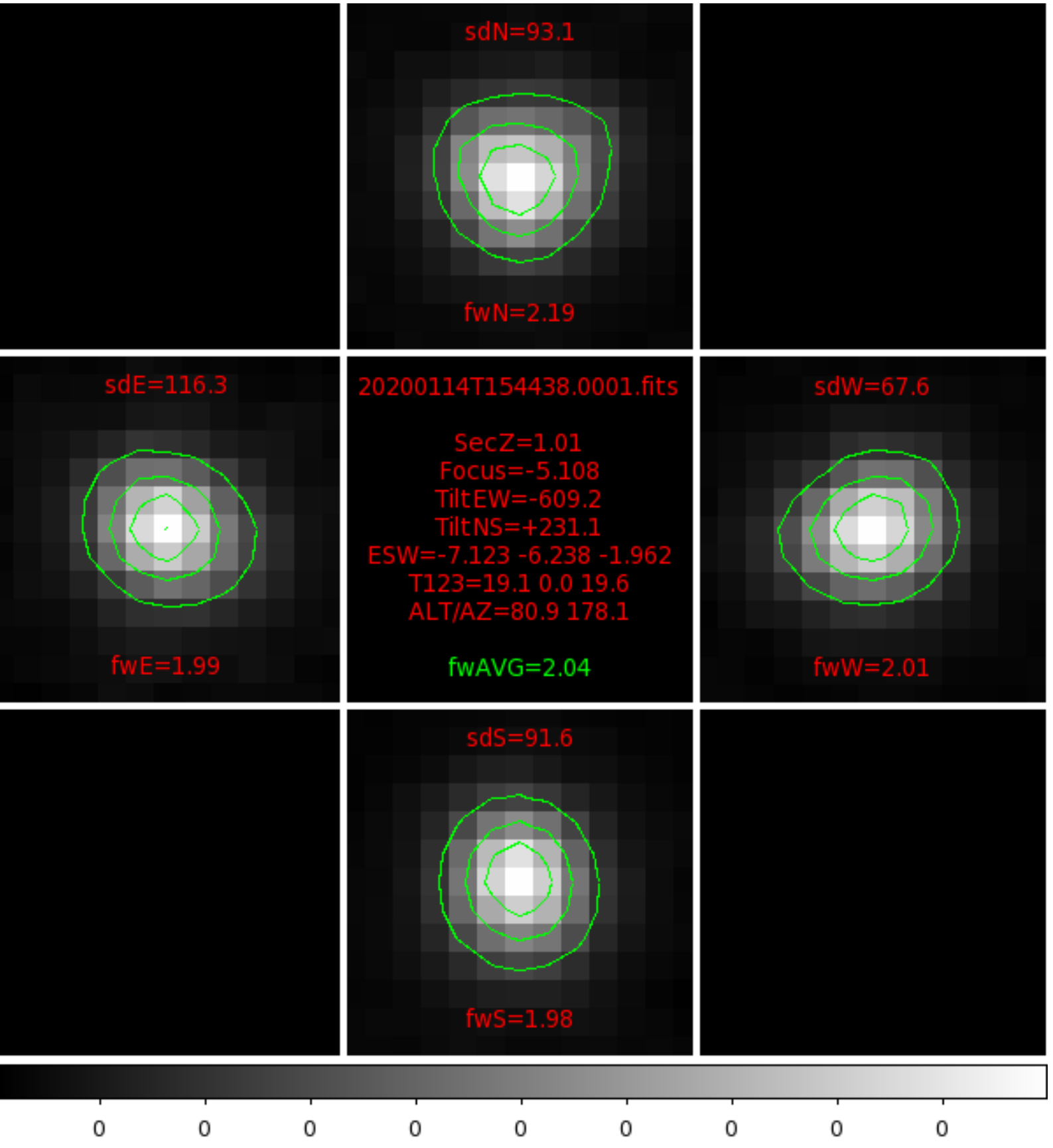

sdN=26.1
fwN=2.54
sdE=34.3
fwE=2.60
20200114T154151.0001.fits
SecZ=1.01
Focus=-5.108
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.123 -6.238 -1.962
T123=19.1 0.0 19.6
ALT/AZ=80.9 174.0
fwAVG=2.50
sdW=22.3
fwW=2.45
sdS=25.2
fwS=2.40
0 0 0 0 0 0 0 0 0


sdN=47.1
fwN=2.61
sdE=63.4
fwE=2.38
20200114T154228.0001.fits
SecZ=1.01
Focus=-5.108
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.123 -6.238 -1.962
T123=19.1 0.0 19.6
ALT/AZ=80.9 174.9
fwAVG=2.42
sdW=38.2
fwW=2.37
sdS=45.8
fwS=2.32
0 0 0 0 0 0 0 0 0


sdN=34.7
fwN=2.46
sdE=46.3
fwE=2.22
20200114T154401.0001.fits
SecZ=1.01
Focus=-5.108
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.123 -6.238 -1.962
T123=19.1 0.0 19.6
ALT/AZ=80.9 177.2
fwAVG=2.31
sdW=28.0
fwW=2.32
sdS=33.6
fwS=2.25
0 0 0 0 0 0 0 0 0


sdN=93.1
fwN=2.19
sdE=116.3
fwE=1.99
20200114T154438.0001.fits
SecZ=1.01
Focus=-5.108
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.123 -6.238 -1.962
T123=19.1 0.0 19.6
ALT/AZ=80.9 178.1
fwAVG=2.04
sdW=67.6
fwW=2.01
sdS=91.6
fwS=1.98
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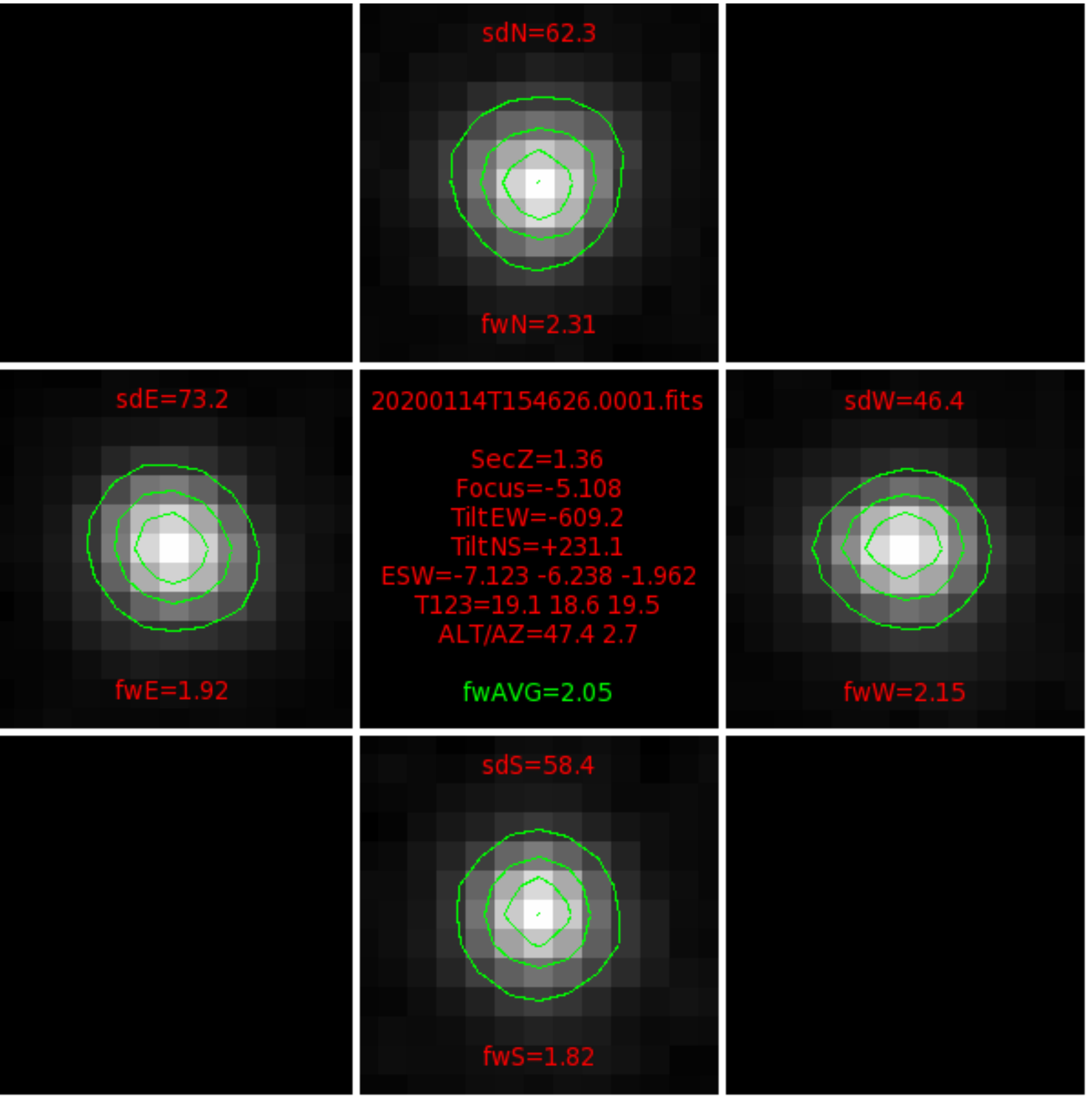
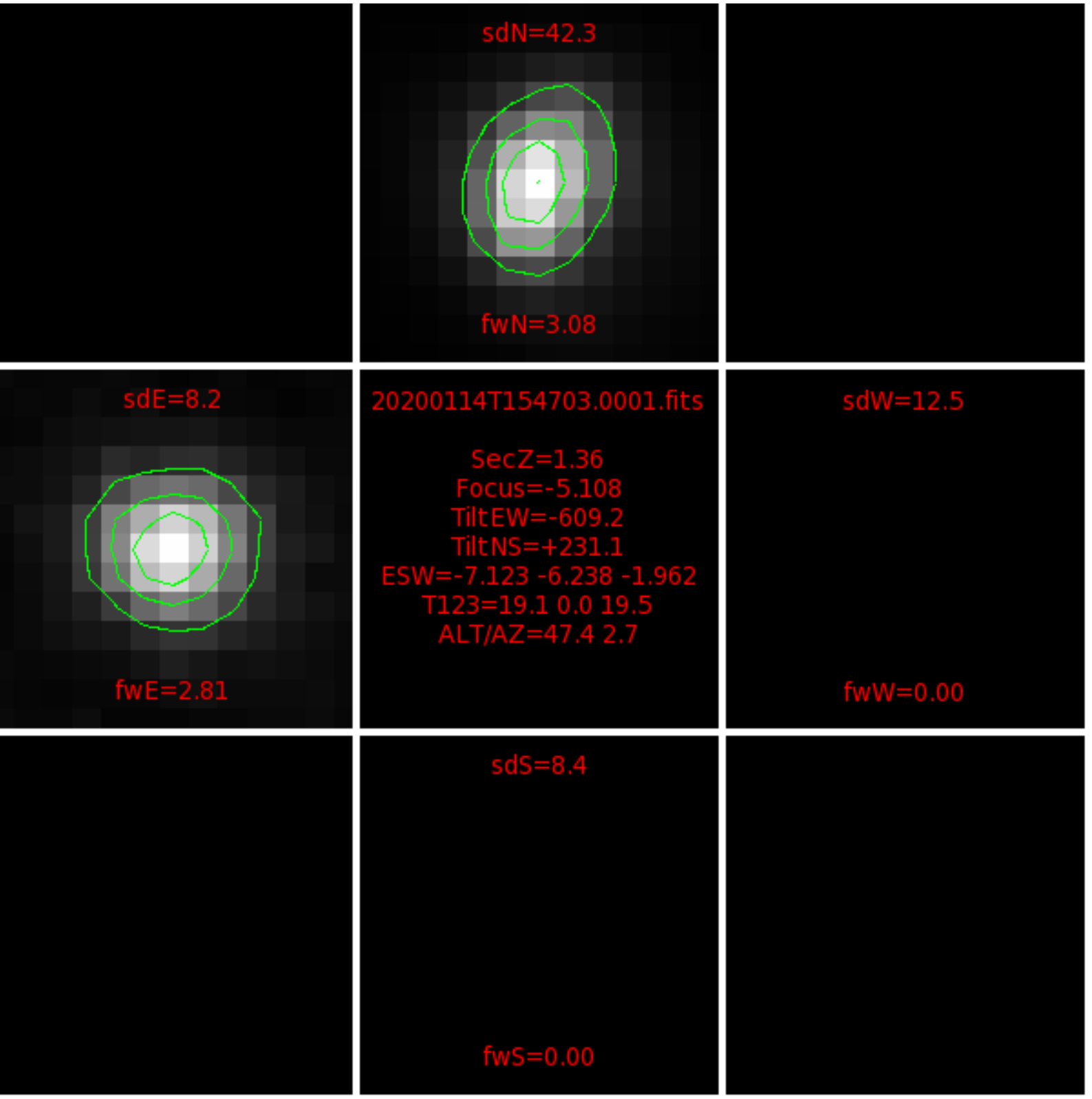

sdN=62.3
fwN=2.31
sdE=73.2
fwE=1.92
20200114T154626.0001.fits
SecZ=1.36
Focus=-5.108
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.123 -6.238 -1.962
T123=19.1 18.6 19.5
ALT/AZ=47.4 2.7
fwAVG=2.05
sdW=46.4
fwW=2.15
sdS=58.4
fwS=1.82
0 0 0 0 0 0 0 0 0


sdN=42.3
fwN=3.08
sdE=8.2
fwE=2.81
20200114T154703.0001.fits
SecZ=1.36
Focus=-5.108
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.123 -6.238 -1.962
T123=19.1 0.0 19.5
ALT/AZ=47.4 2.7
sdW=12.5
fwW=0.00
sdS=8.4
fwS=0.00
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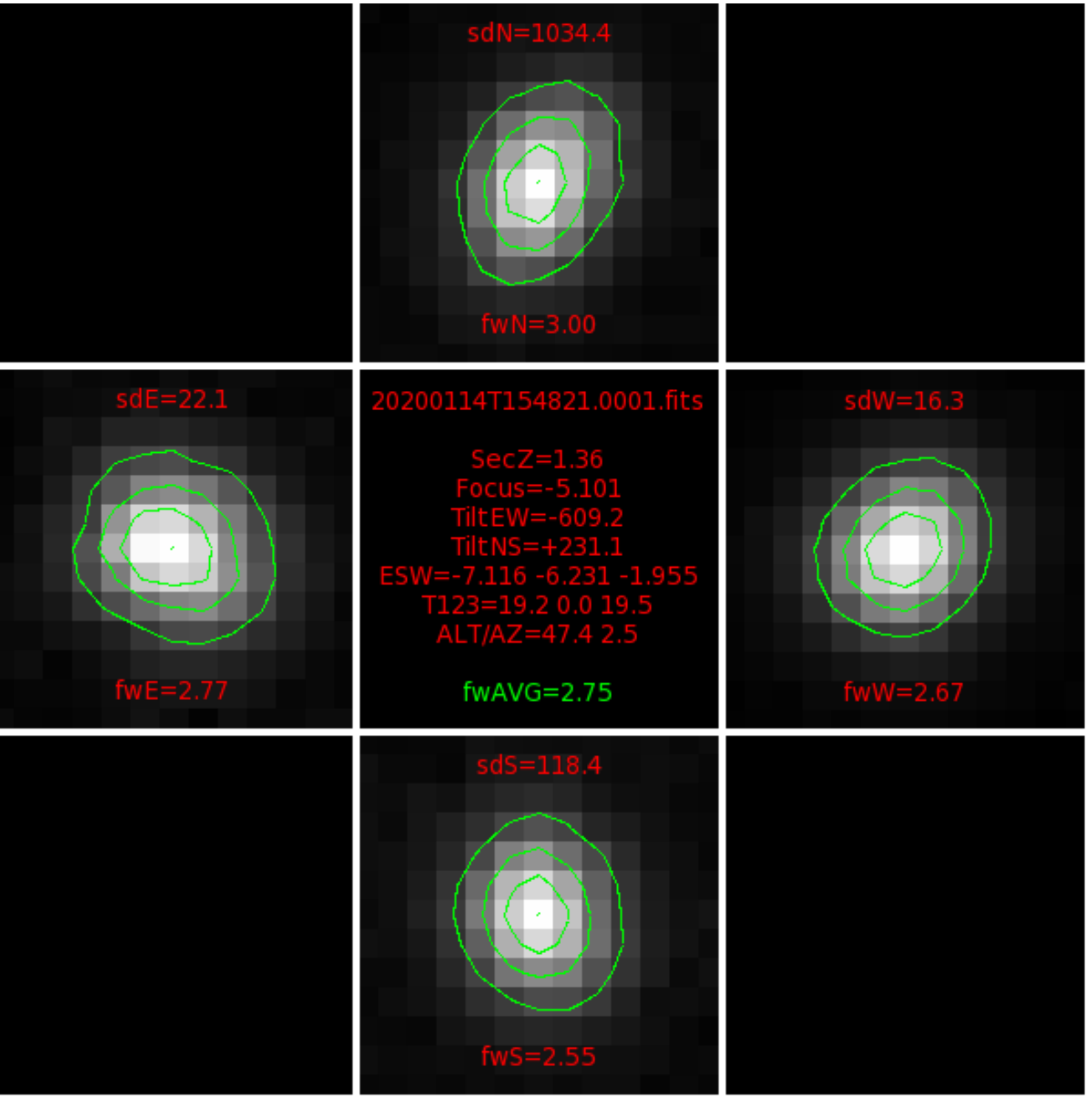
sdN=1034.4
fwN=3.00
sdE=22.1
fwE=2.77
20200114T154821.0001.fits
SecZ=1.36
Focus=-5.101
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.116 -6.231 -1.955
T123=19.2 0.0 19.5
ALT/AZ=47.4 2.5
fwAVG=2.75
sdW=16.3
fwW=2.67
sdS=118.4
fwS=2.55
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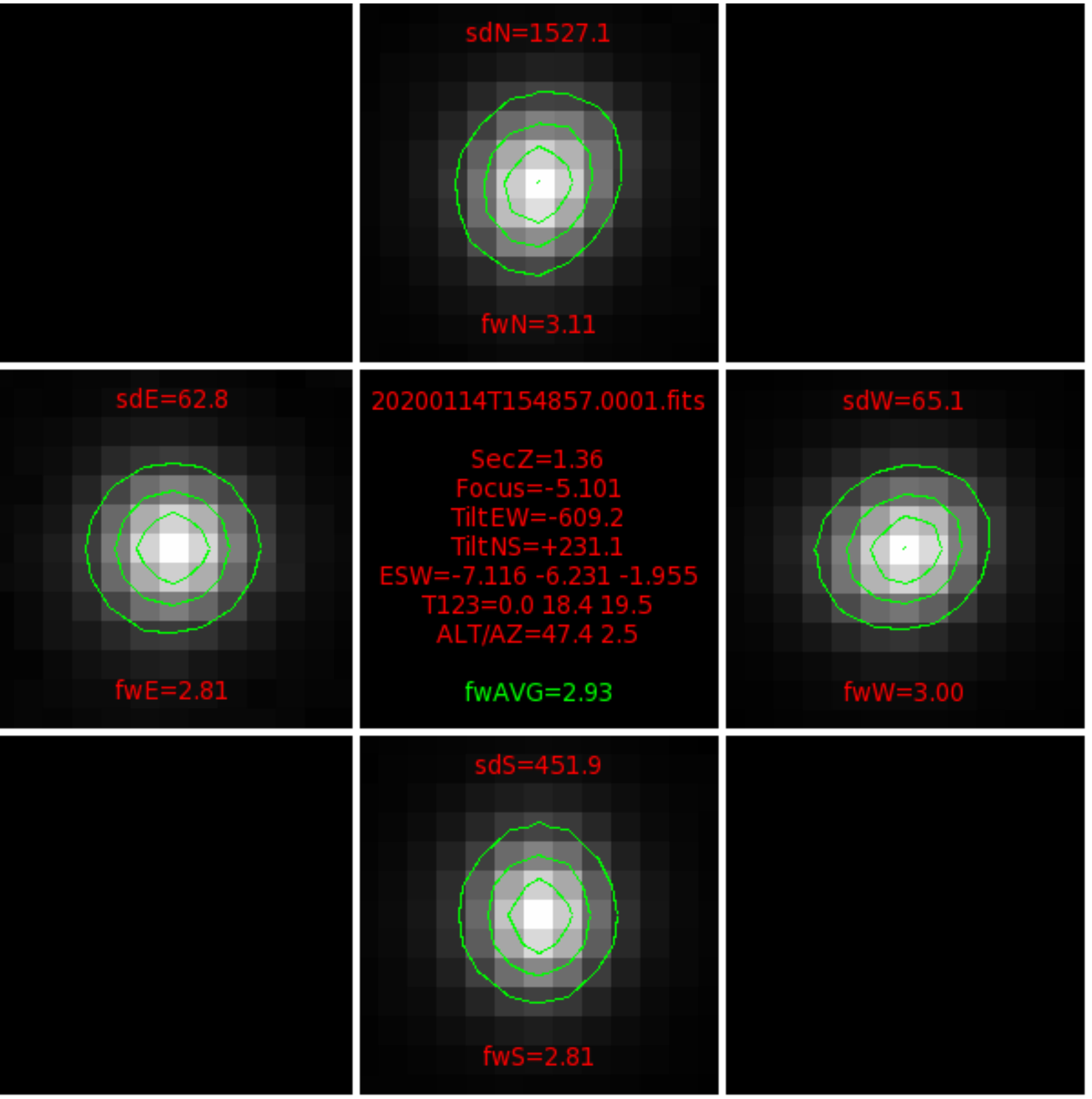
sdN=1527.1
fwN=3.11
sdE=62.8
fwE=2.81
20200114T154857.0001.fits
SecZ=1.36
Focus=-5.101
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.116 -6.231 -1.955
T123=0.0 18.4 19.5
ALT/AZ=47.4 2.5
fwAVG=2.93
sdW=65.1
fwW=3.00
sdS=451.9
fwS=2.81
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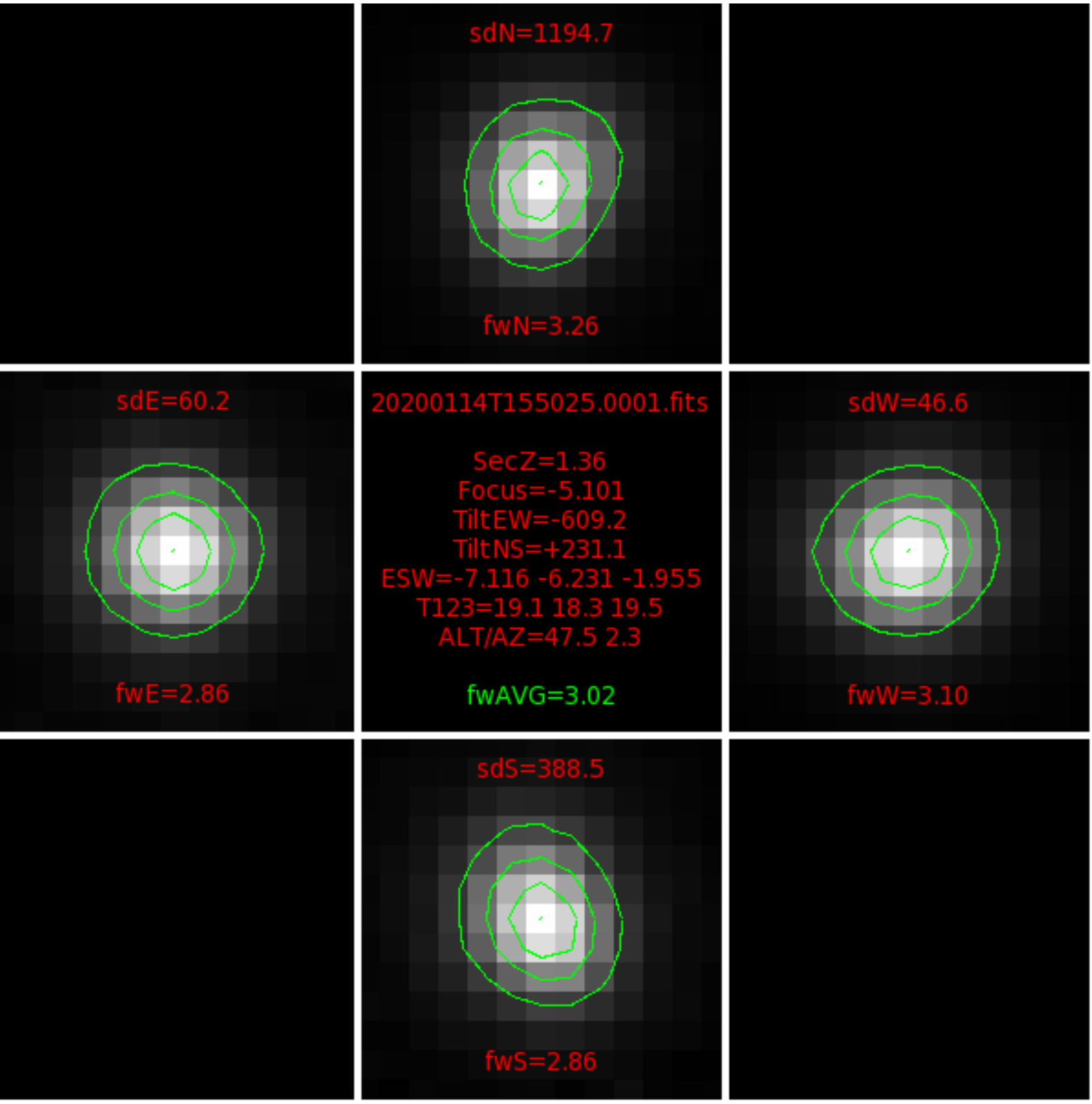
sdN=1194.7
fwN=3.26
sdE=60.2
fwE=2.86
20200114T155025.0001.fits
SecZ=1.36
Focus=-5.101
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.116 -6.231 -1.955
T123=19.1 18.3 19.5
ALT/AZ=47.5 2.3
fwAVG=3.02
sdW=46.6
fwW=3.10
sdS=388.5
fwS=2.86
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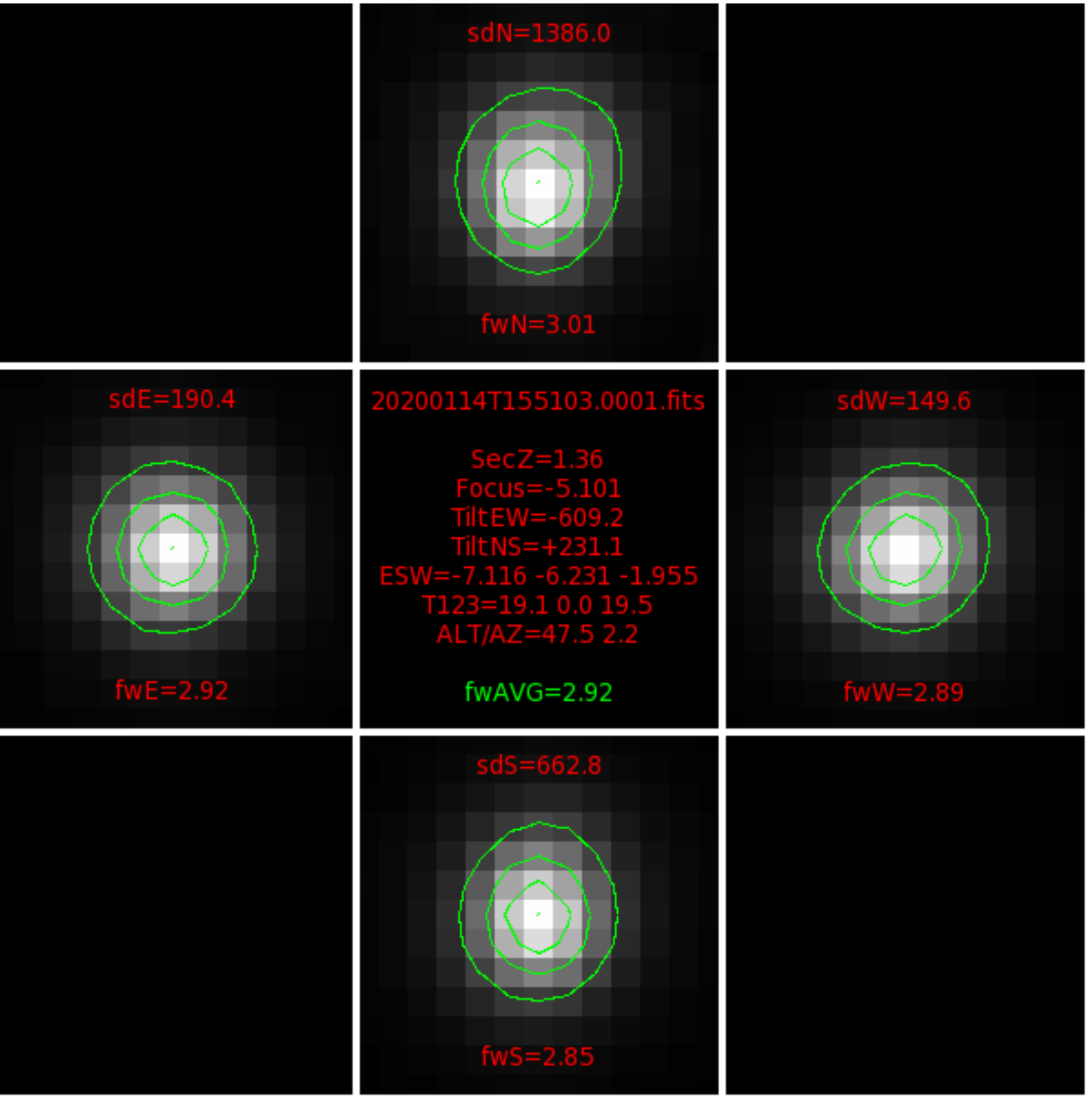
sdN=1386.0
fwN=3.01
sdE=190.4
fwE=2.92
20200114T155103.0001.fits
SecZ=1.36
Focus=-5.101
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.116 -6.231 -1.955
T123=19.1 0.0 19.5
ALT/AZ=47.5 2.2
fwAVG=2.92
sdW=149.6
fwW=2.89
sdS=662.8
fwS=2.85
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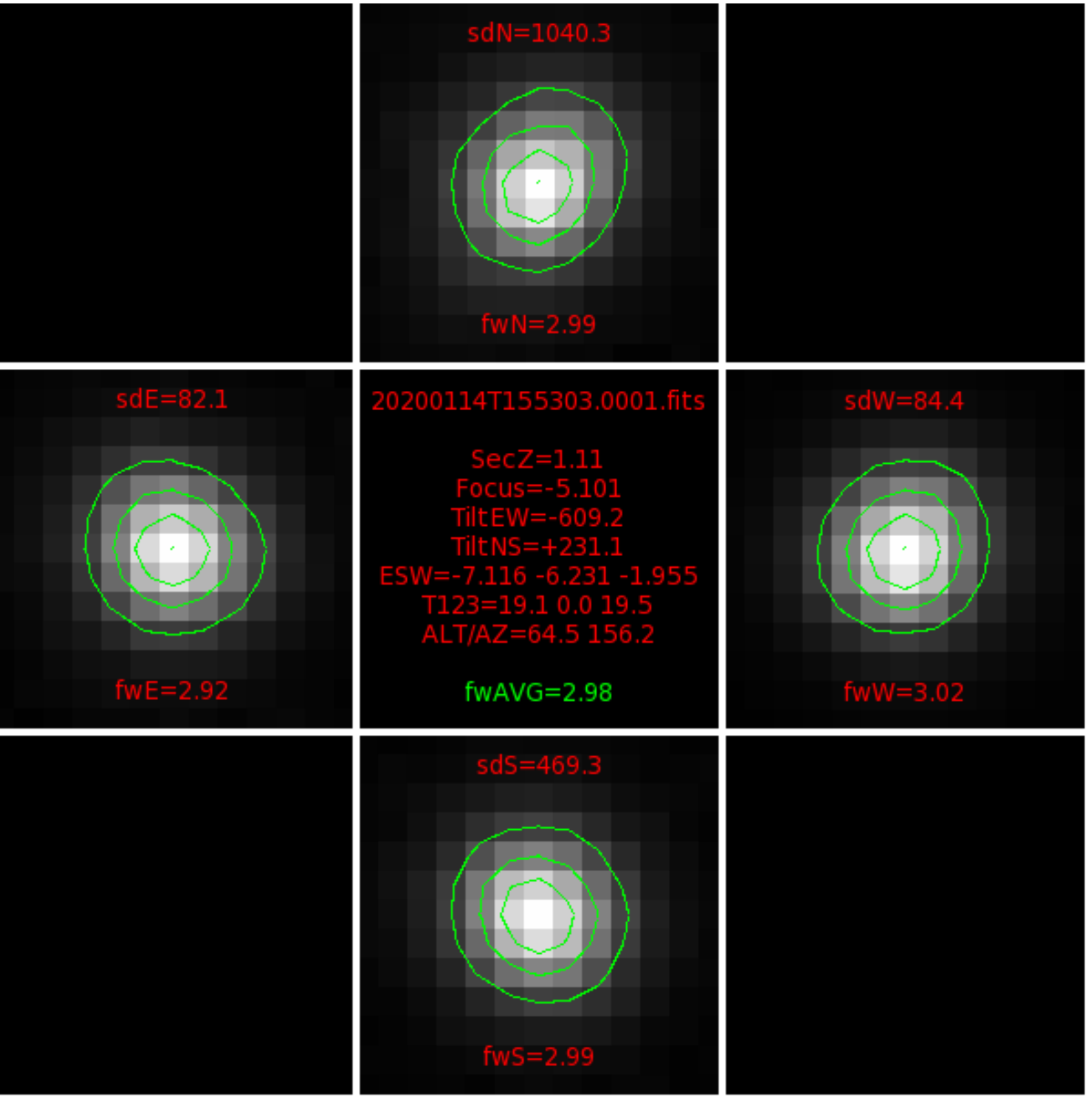
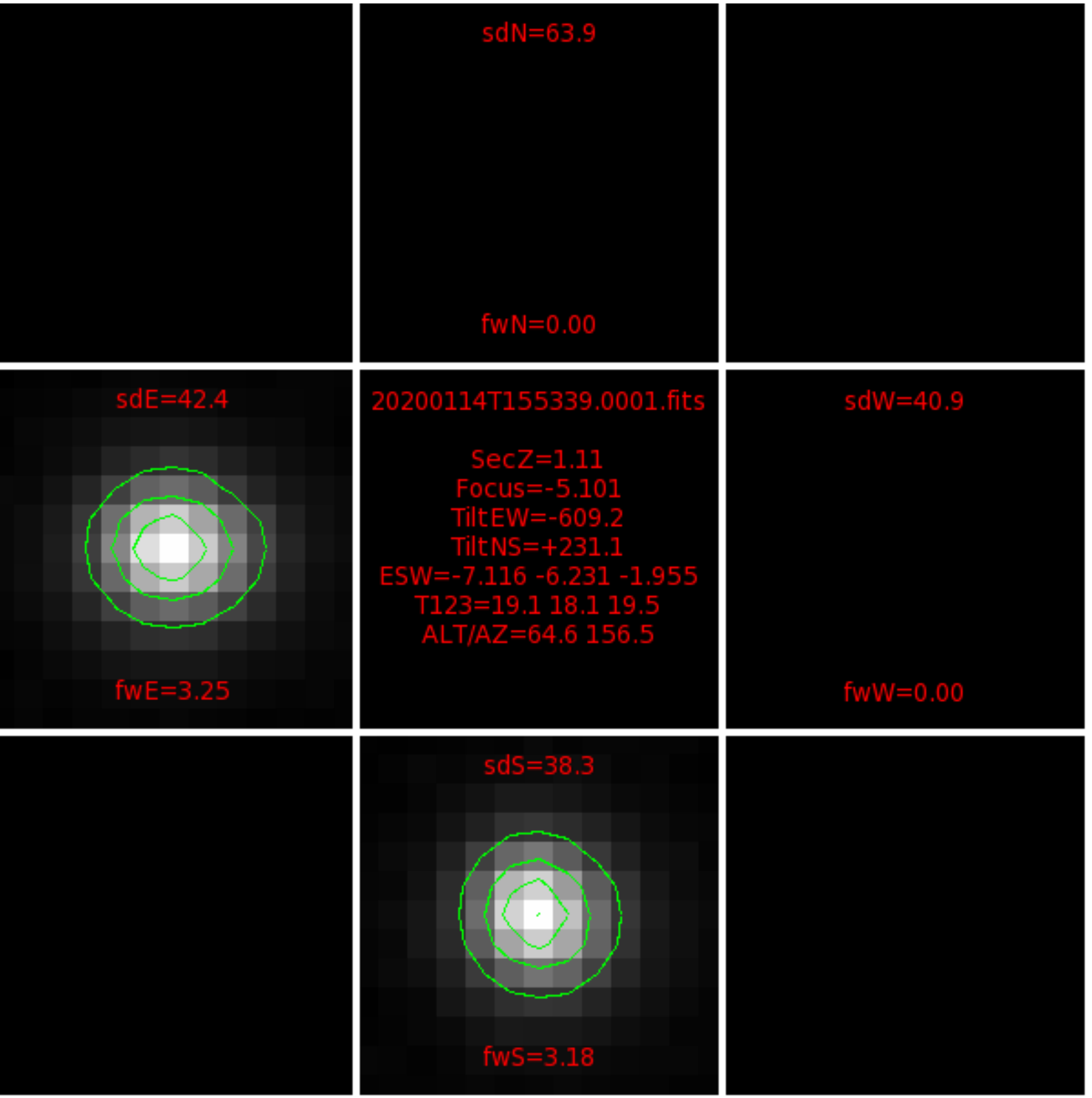
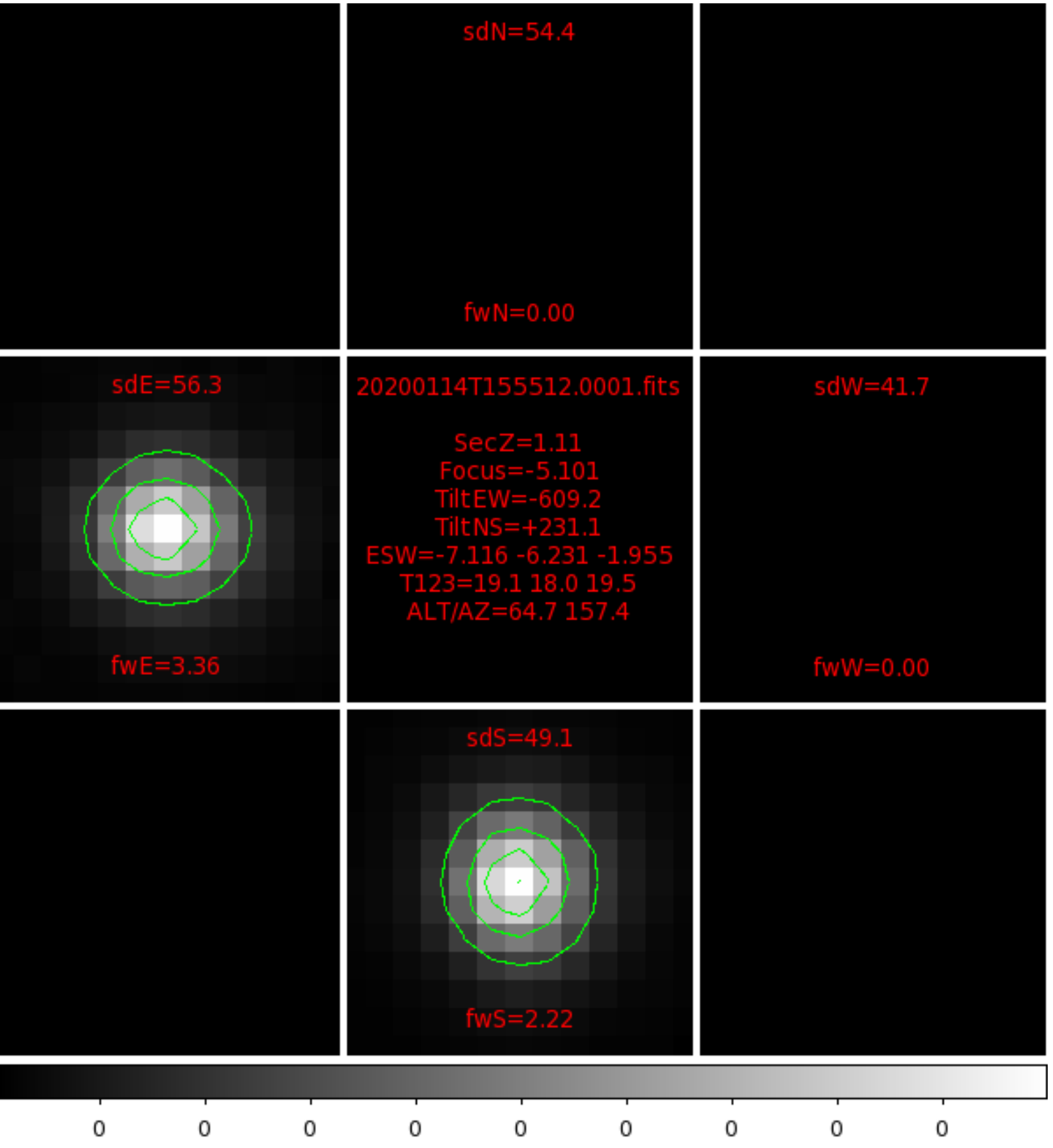
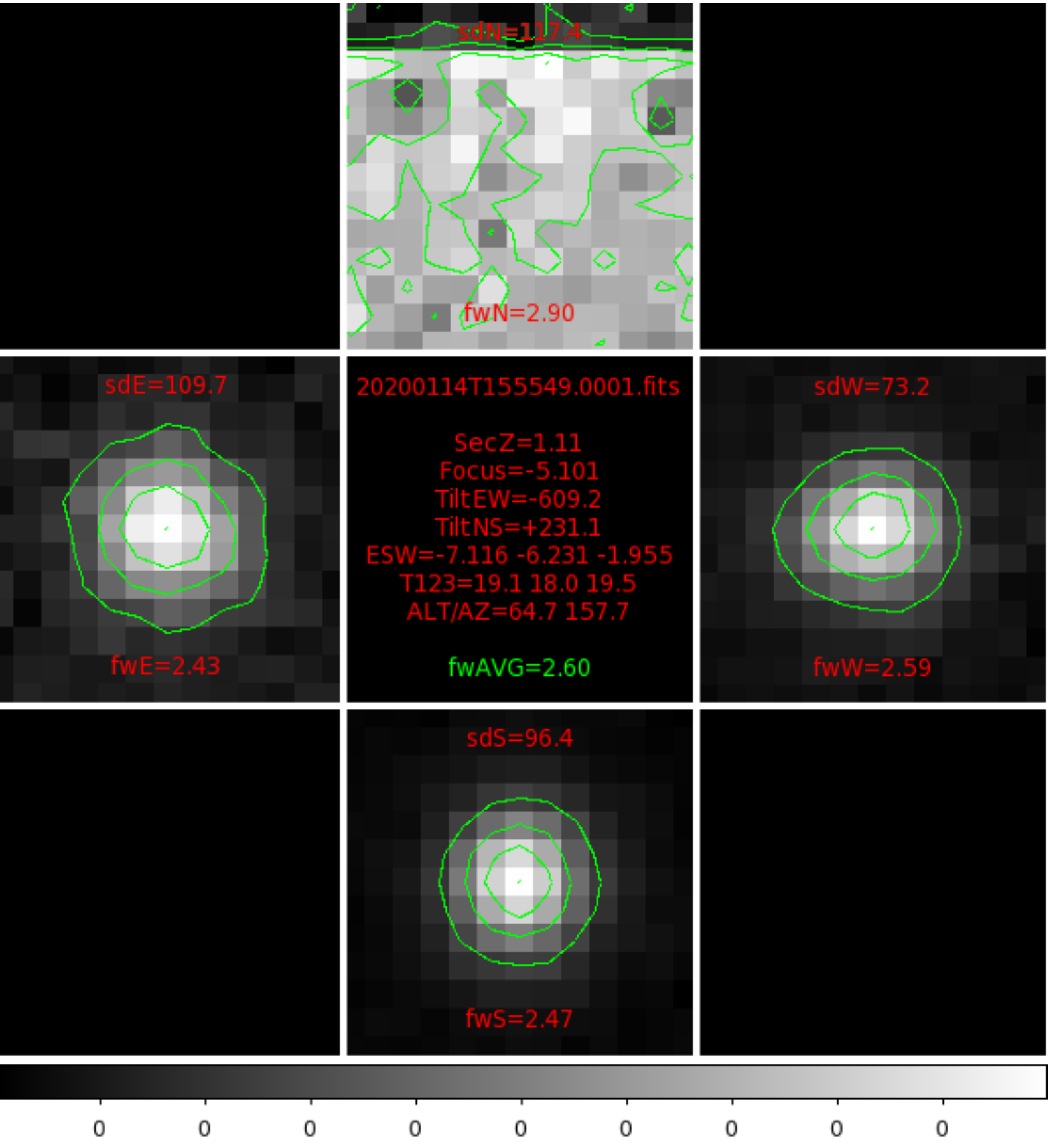

sdN=1040.3
fwN=2.99
sdE=82.1
fwE=2.92
20200114T155303.0001.fits
SecZ=1.11
Focus=-5.101
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.116 -6.231 -1.955
T123=19.1 0.0 19.5
ALT/AZ=64.5 156.2
fwAVG=2.98
sdW=84.4
fwW=3.02
sdS=469.3
fwS=2.99
0 0 0 0 0 0 0 0 0


sdN=63.9
fwN=0.00
sdE=42.4
fwE=3.25
20200114T155339.0001.fits
SecZ=1.11
Focus=-5.101
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.116 -6.231 -1.955
T123=19.1 18.1 19.5
ALT/AZ=64.6 156.5
sdW=40.9
fwW=0.00
sdS=38.3
fwS=3.18
0 0 0 0 0 0 0 0 0


sdN=54.4
fwN=0.00
sdE=56.3
fwE=3.36
20200114T155512.0001.fits
SecZ=1.11
Focus=-5.101
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.116 -6.231 -1.955
T123=19.1 18.0 19.5
ALT/AZ=64.7 157.4
sdW=41.7
fwW=0.00
sdS=49.1
fwS=2.22
0 0 0 0 0 0 0 0 0


sdN=117.4
fwN=2.90
sdE=109.7
fwE=2.43
20200114T155549.0001.fits
SecZ=1.11
Focus=-5.101
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.116 -6.231 -1.955
T123=19.1 18.0 19.5
ALT/AZ=64.7 157.7
fwAVG=2.60
sdW=73.2
fwW=2.59
sdS=96.4
fwS=2.47
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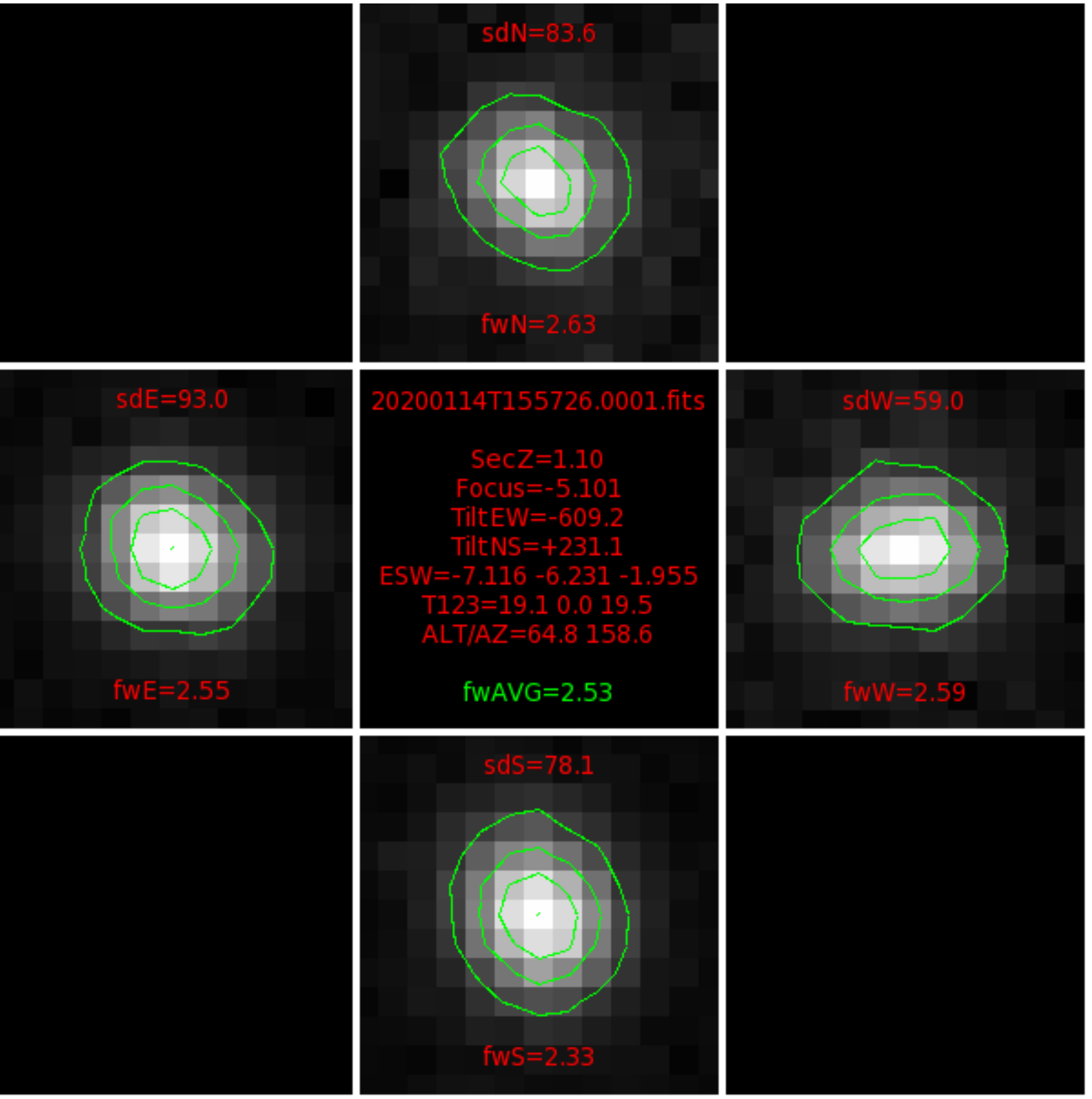
sdN=83.6
fwN=2.63
sdE=93.0
fwE=2.55
20200114T155726.0001.fits
SecZ=1.10
Focus=-5.101
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.116 -6.231 -1.955
T123=19.1 0.0 19.5
ALT/AZ=64.8 158.6
fwAVG=2.53
sdW=59.0
fwW=2.59
sdS=78.1
fwS=2.33
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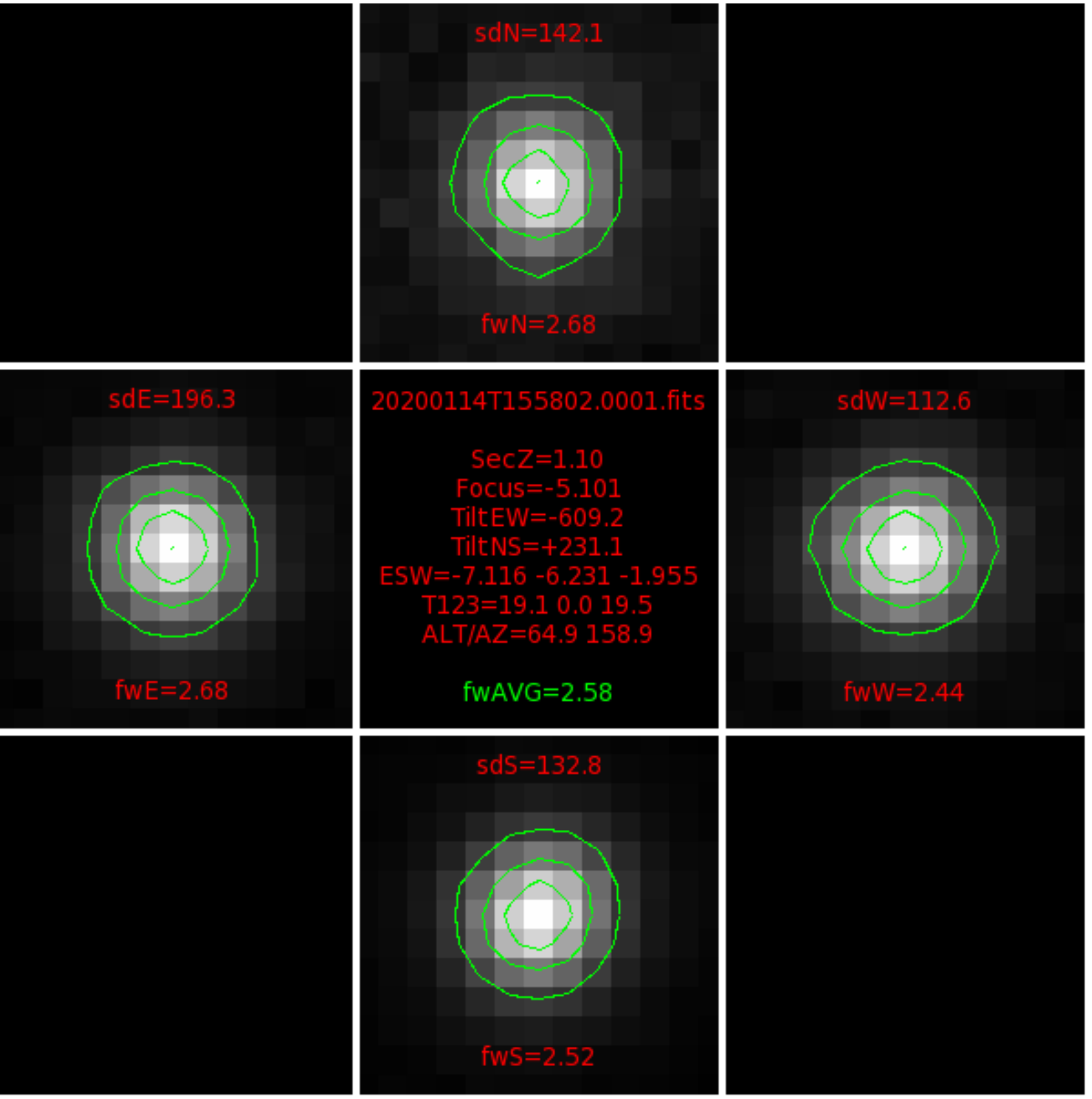
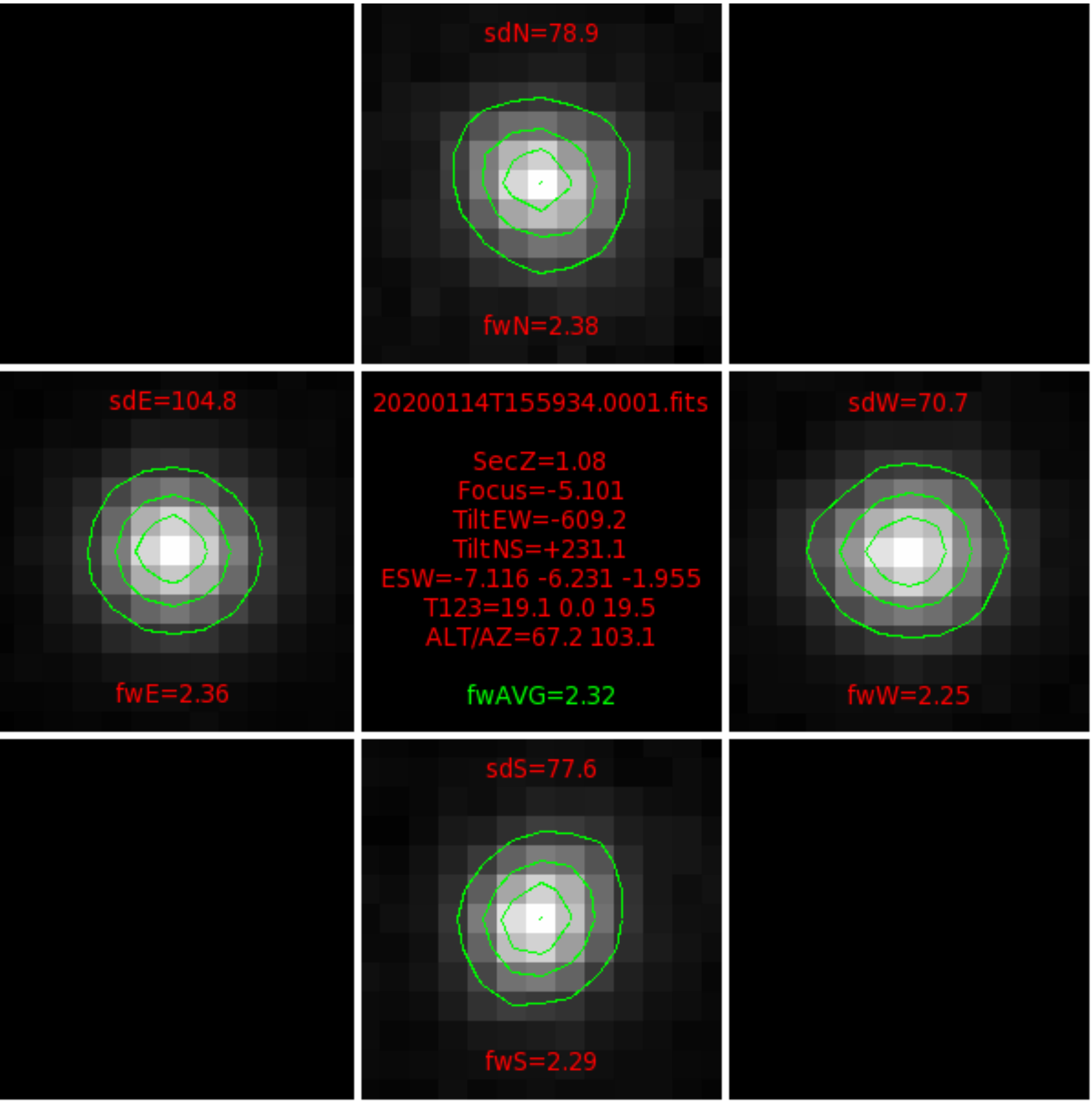

sdN=142.1
fwN=2.68
sdE=196.3
fwE=2.68
20200114T155802.0001.fits
SecZ=1.10
Focus=-5.101
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.116 -6.231 -1.955
T123=19.1 0.0 19.5
ALT/AZ=64.9 158.9
fwAVG=2.58
sdW=112.6
fwW=2.44
sdS=132.8
fwS=2.52
0 0 0 0 0 0 0 0 0


sdN=78.9
fwN=2.38
sdE=104.8
fwE=2.36
20200114T155934.0001.fits
SecZ=1.08
Focus=-5.101
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.116 -6.231 -1.955
T123=19.1 0.0 19.5
ALT/AZ=67.2 103.1
fwAVG=2.32
sdW=70.7
fwW=2.25
sdS=77.6
fwS=2.29
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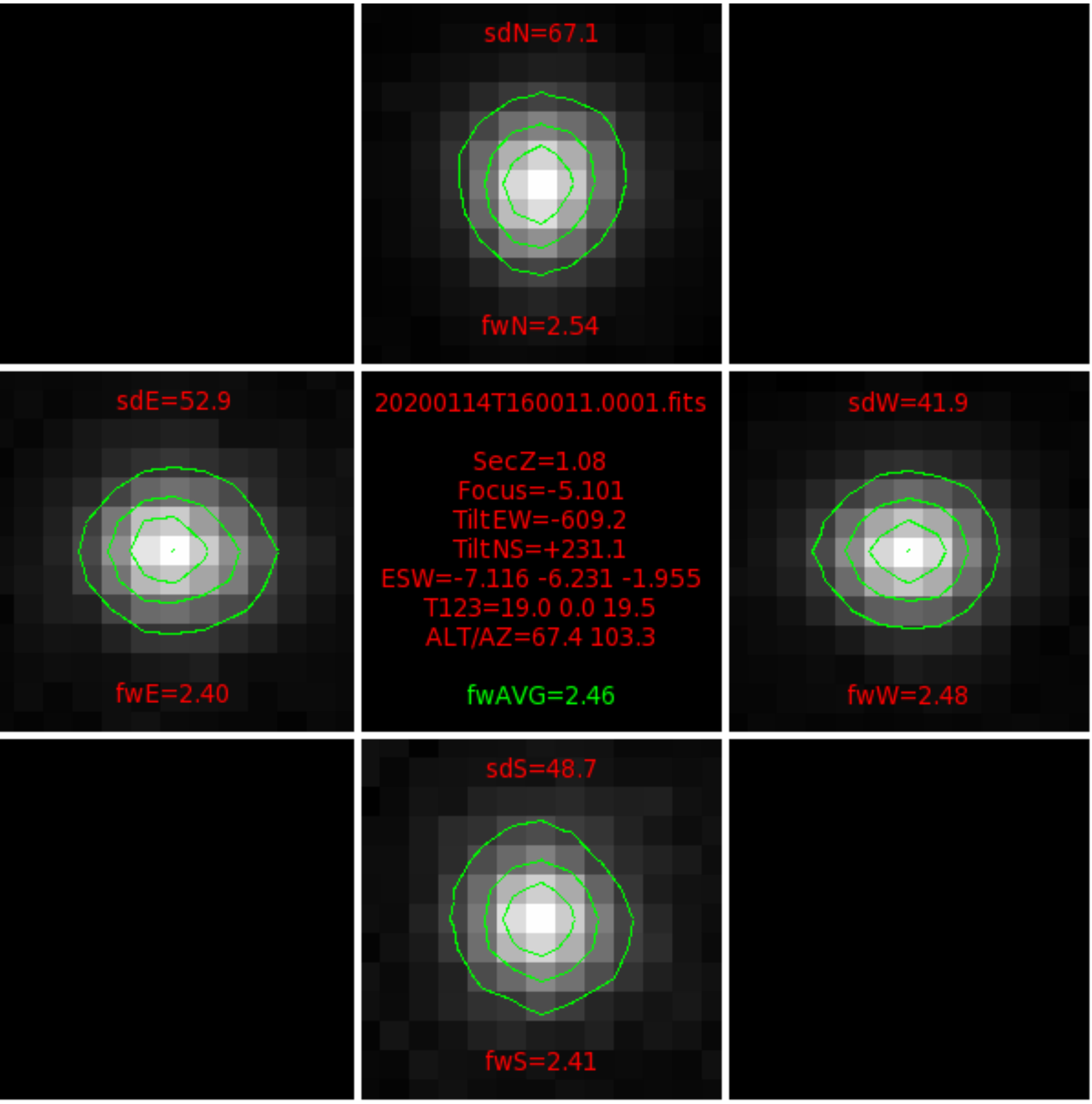
sdN=67.1
fwN=2.54
sdE=52.9
fwE=2.40
20200114T160011.0001.fits
SecZ=1.08
Focus=-5.101
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.116 -6.231 -1.955
T123=19.0 0.0 19.5
ALT/AZ=67.4 103.3
fwAVG=2.46
sdW=41.9
fwW=2.48
sdS=48.7
fwS=2.41
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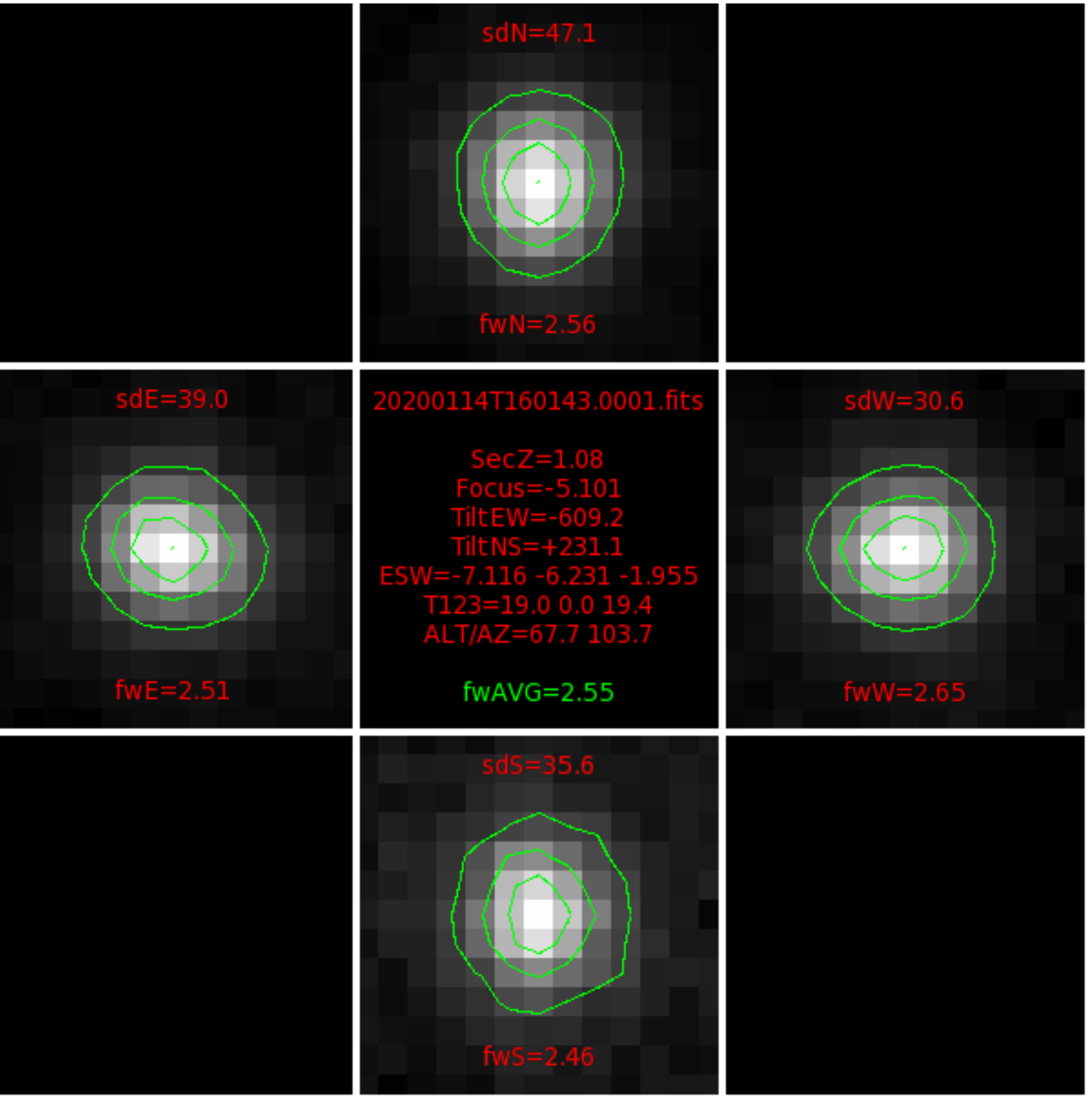
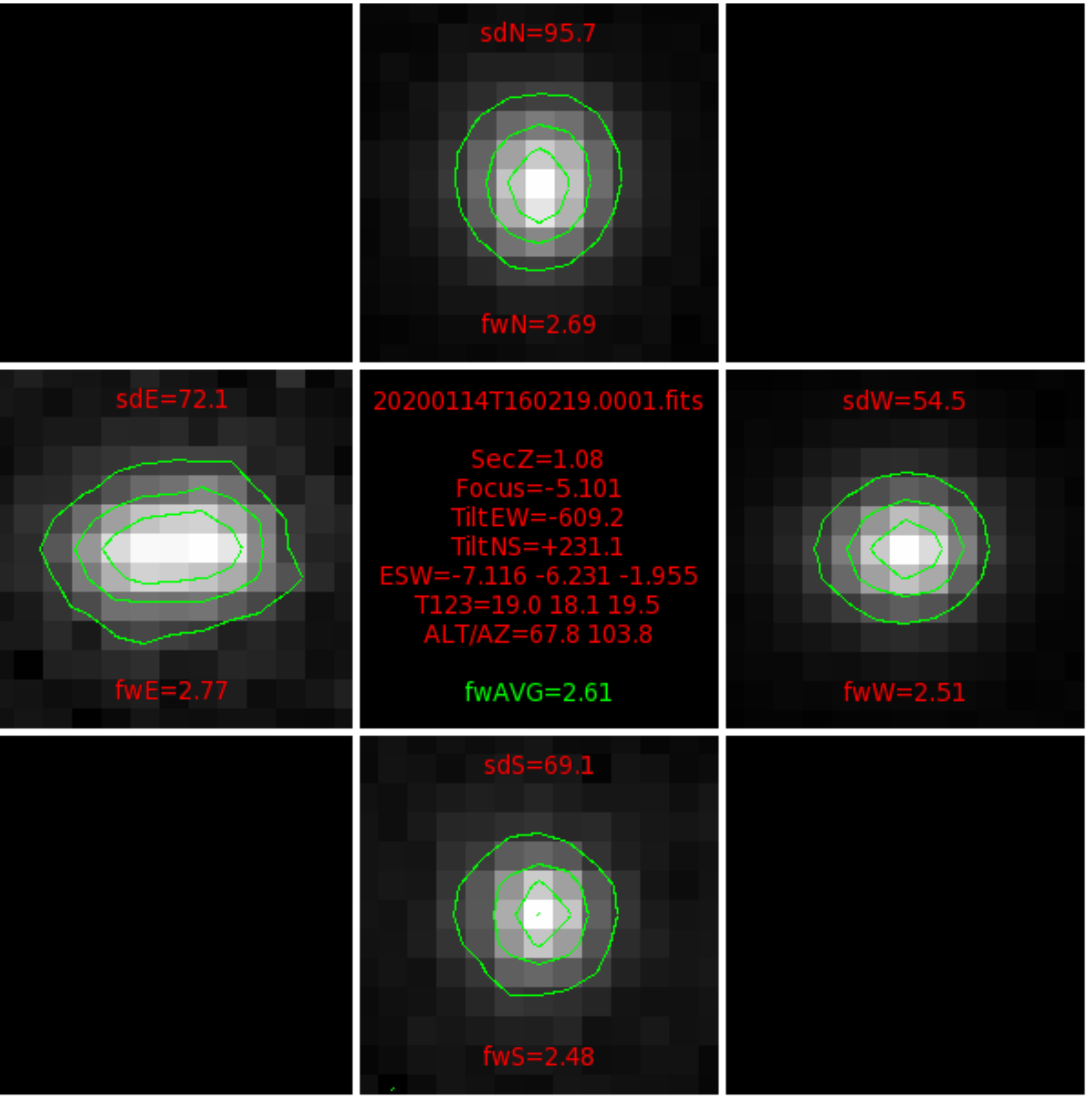

sdN=47.1
fwN=2.56
sdE=39.0
fwE=2.51
20200114T160143.0001.fits
SecZ=1.08
Focus=-5.101
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.116 -6.231 -1.955
T123=19.0 0.0 19.4
ALT/AZ=67.7 103.7
fwAVG=2.55
sdW=30.6
fwW=2.65
sdS=35.6
fwS=2.46
0 0 0 0 0 0 0 0 0


sdN=95.7
fwN=2.69
sdE=72.1
fwE=2.77
20200114T160219.0001.fits
SecZ=1.08
Focus=-5.101
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.116 -6.231 -1.955
T123=19.0 18.1 19.5
ALT/AZ=67.8 103.8
fwAVG=2.61
sdW=54.5
fwW=2.51
sdS=69.1
fwS=2.48
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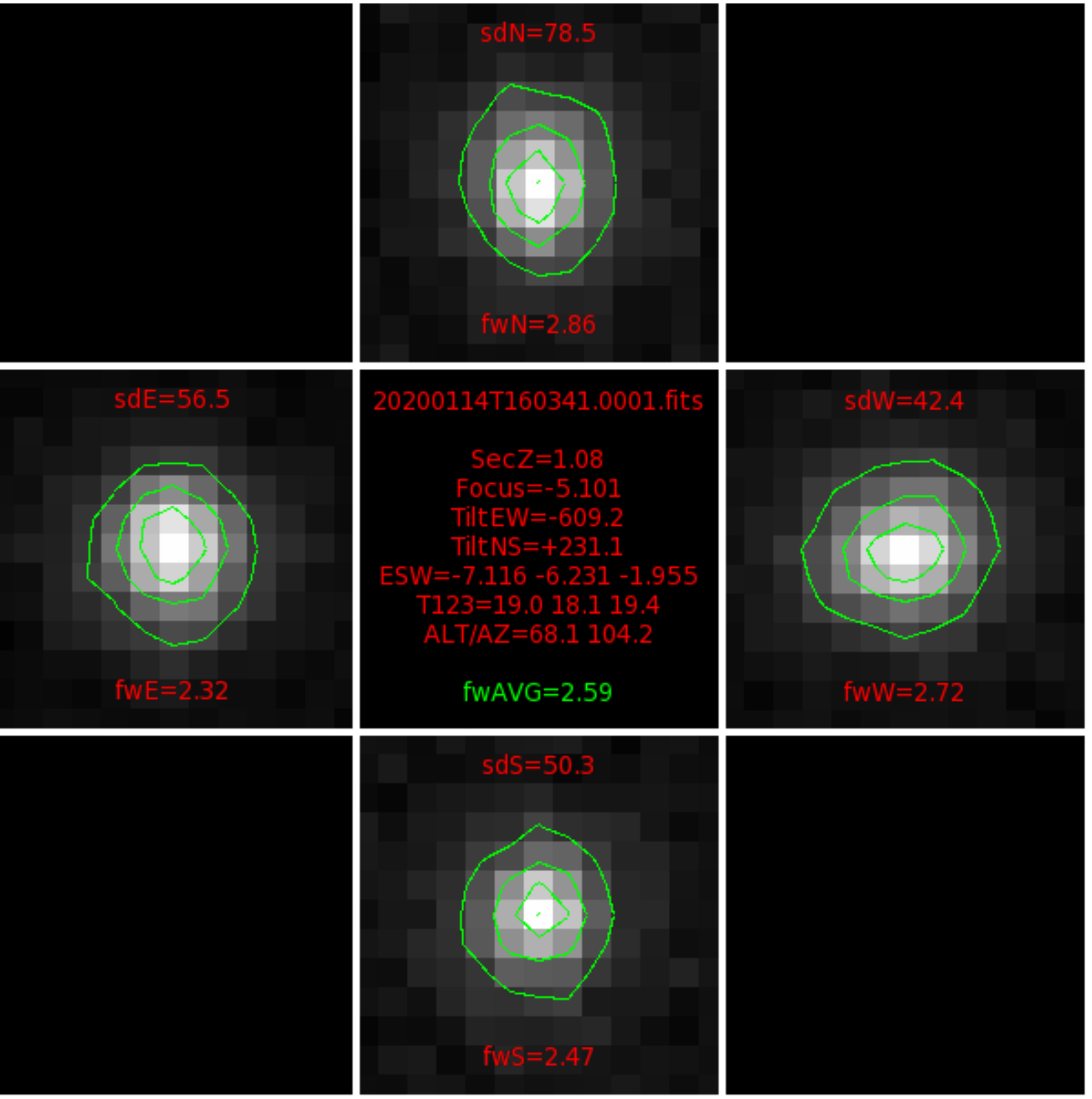
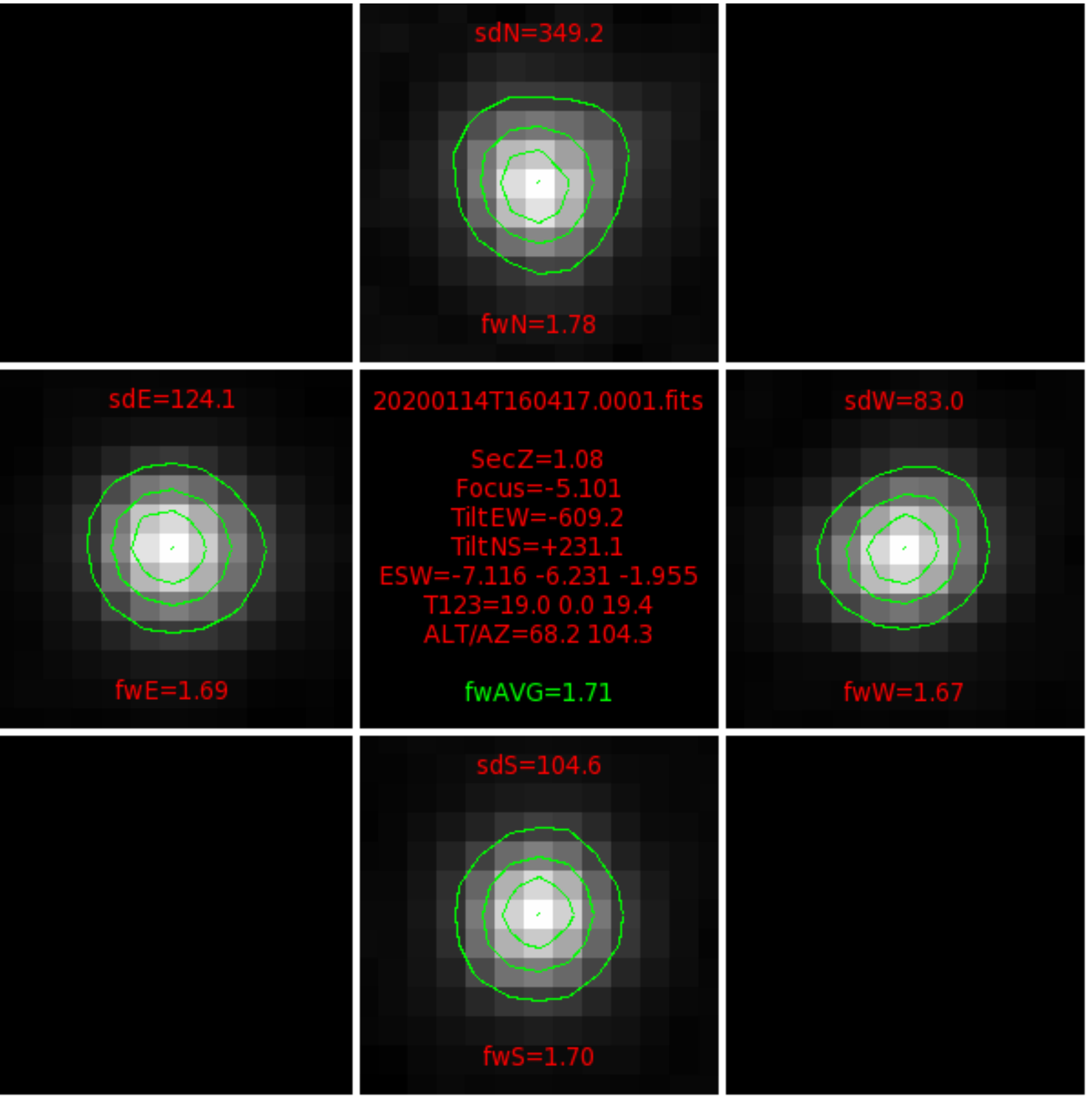
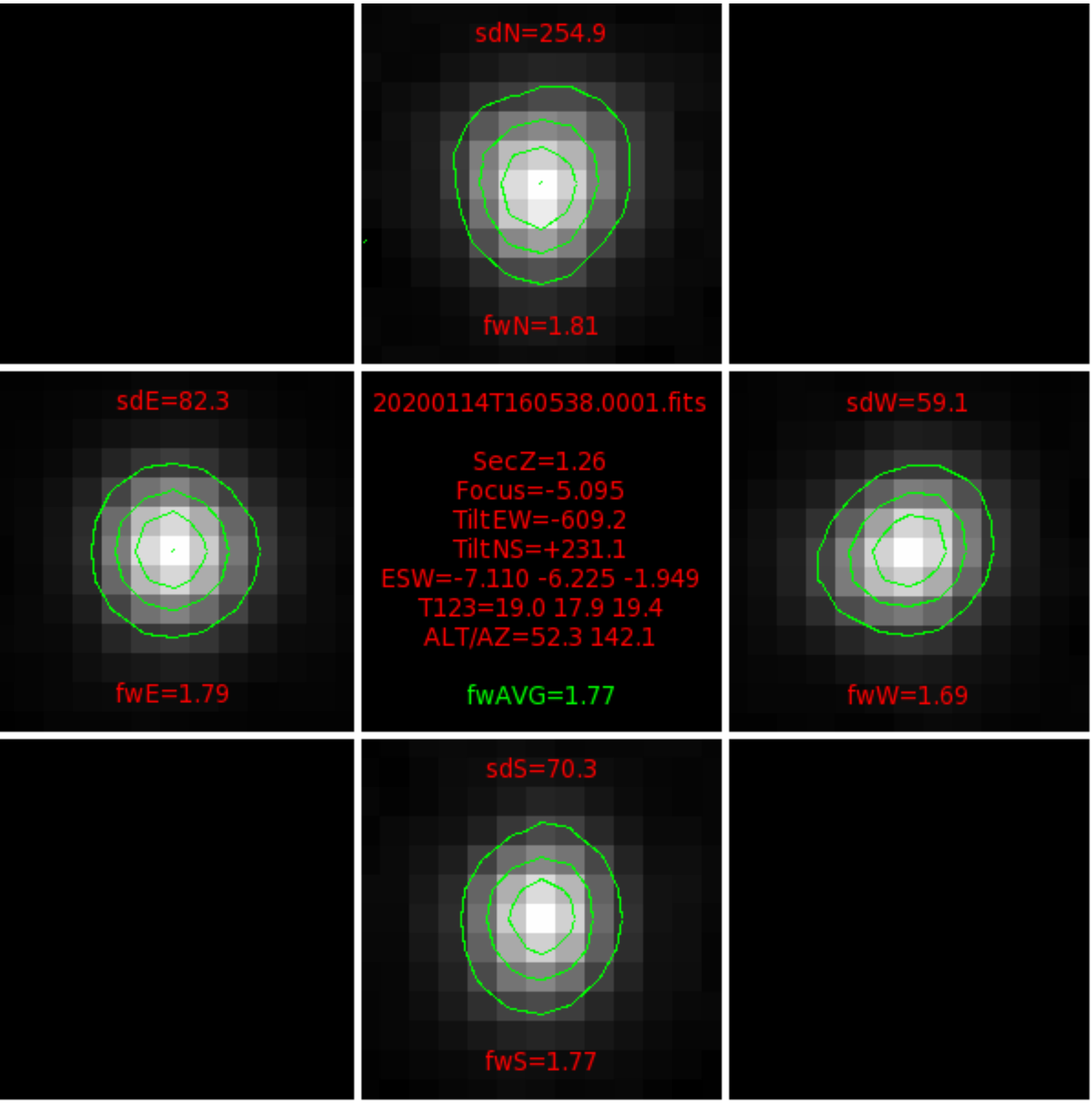

sdN=78.5
fwN=2.86
sdE=56.5
fwE=2.32
20200114T160341.0001.fits
SecZ=1.08
Focus=-5.101
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.116 -6.231 -1.955
T123=19.0 18.1 19.4
ALT/AZ=68.1 104.2
fwAVG=2.59
sdW=42.4
fwW=2.72
sdS=50.3
fwS=2.47
0 0 0 0 0 0 0 0 0


sdN=349.2
fwN=1.78
sdE=124.1
fwE=1.69
20200114T160417.0001.fits
SecZ=1.08
Focus=-5.101
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.116 -6.231 -1.955
T123=19.0 0.0 19.4
ALT/AZ=68.2 104.3
fwAVG=1.71
sdW=83.0
fwW=1.67
sdS=104.6
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=254.9
fwN=1.81
sdE=82.3
fwE=1.79
20200114T160538.0001.fits
SecZ=1.26
Focus=-5.095
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.110 -6.225 -1.949
T123=19.0 17.9 19.4
ALT/AZ=52.3 142.1
fwAVG=1.77
sdW=59.1
fwW=1.69
sdS=70.3
fwS=1.77
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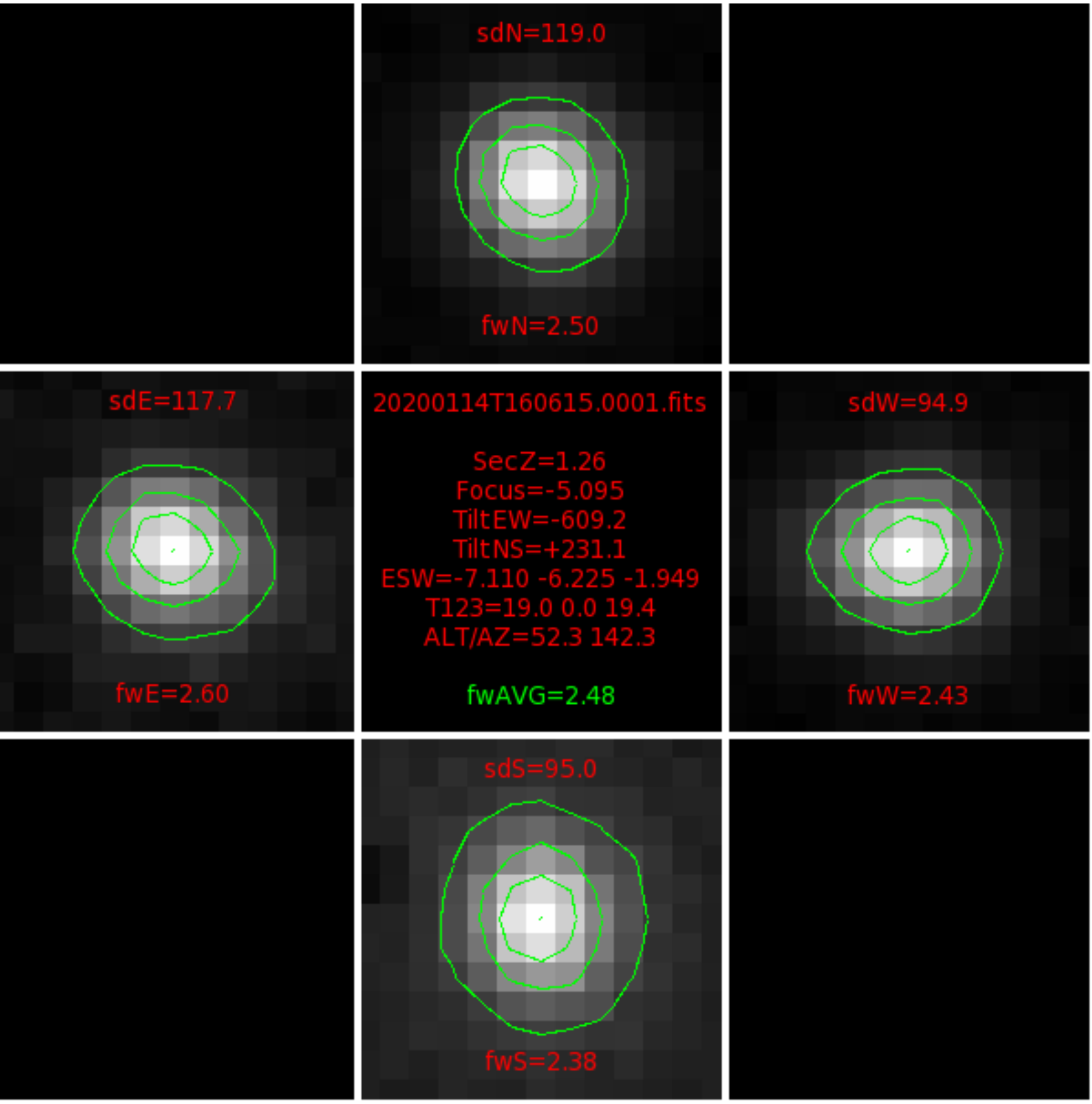
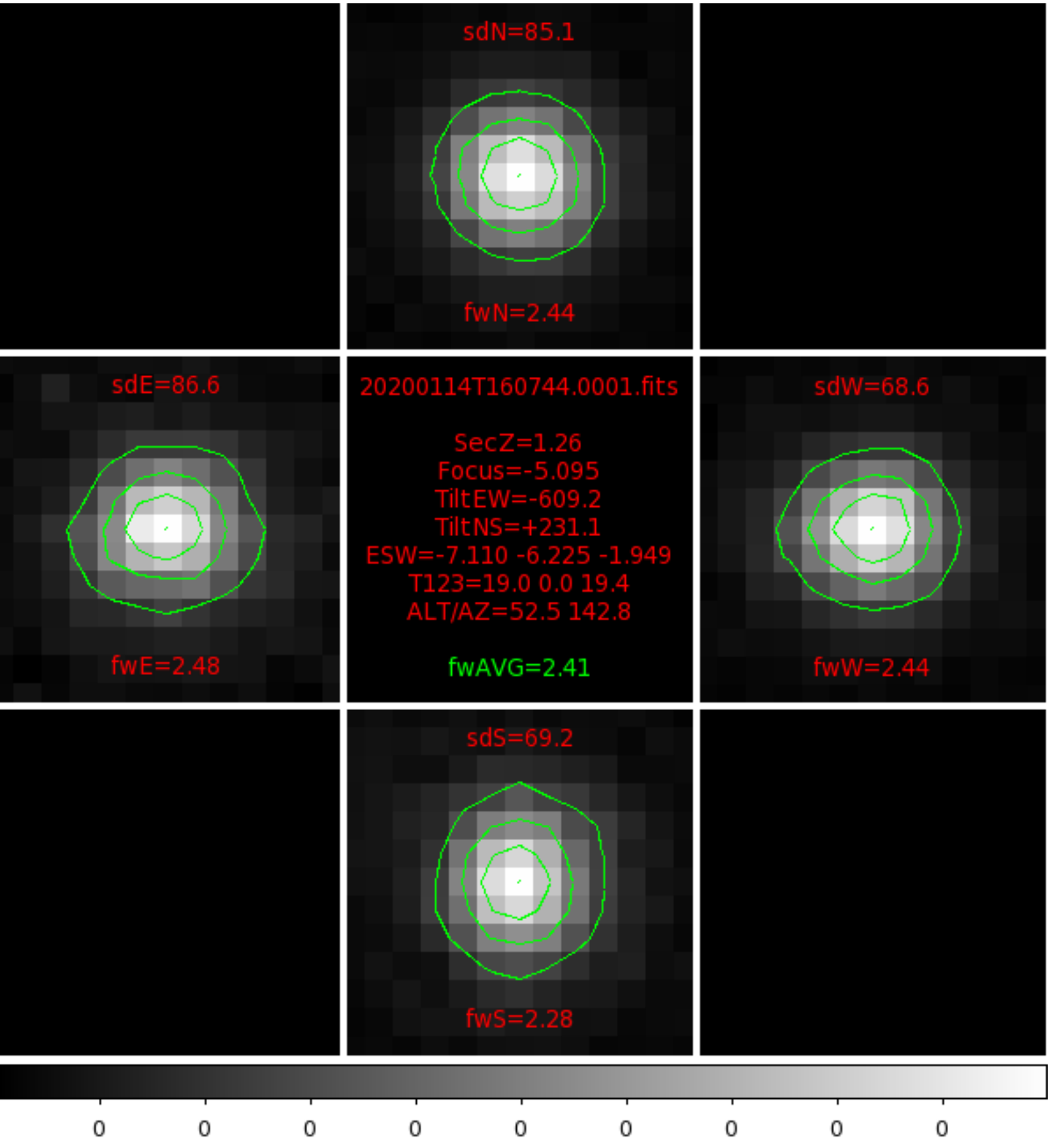
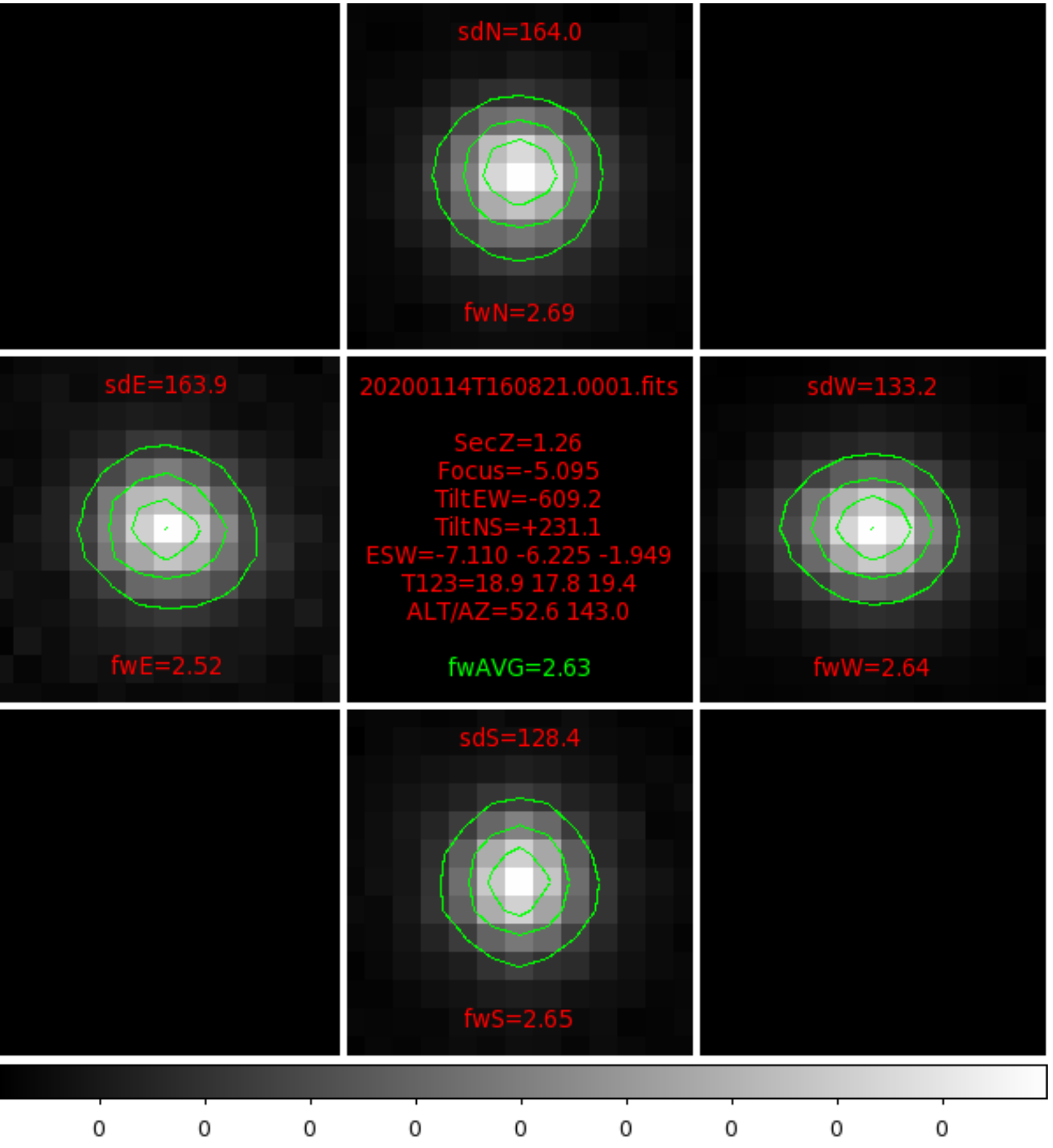

sdN=119.0
fwN=2.50
sdE=117.7
fwE=2.60
20200114T160615.0001.fits
SecZ=1.26
Focus=-5.095
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.110 -6.225 -1.949
T123=19.0 0.0 19.4
ALT/AZ=52.3 142.3
fwAVG=2.48
sdW=94.9
fwW=2.43
sdS=95.0
fwS=2.38
0 0 0 0 0 0 0 0 0


sdN=85.1
fwN=2.44
sdE=86.6
fwE=2.48
20200114T160744.0001.fits
SecZ=1.26
Focus=-5.095
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.110 -6.225 -1.949
T123=19.0 0.0 19.4
ALT/AZ=52.5 142.8
fwAVG=2.41
sdW=68.6
fwW=2.44
sdS=69.2
fwS=2.28
0 0 0 0 0 0 0 0 0


sdN=164.0
fwN=2.69
sdE=163.9
fwE=2.52
20200114T160821.0001.fits
SecZ=1.26
Focus=-5.095
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.110 -6.225 -1.949
T123=18.9 17.8 19.4
ALT/AZ=52.6 143.0
fwAVG=2.63
sdW=133.2
fwW=2.64
sdS=128.4
fwS=2.65
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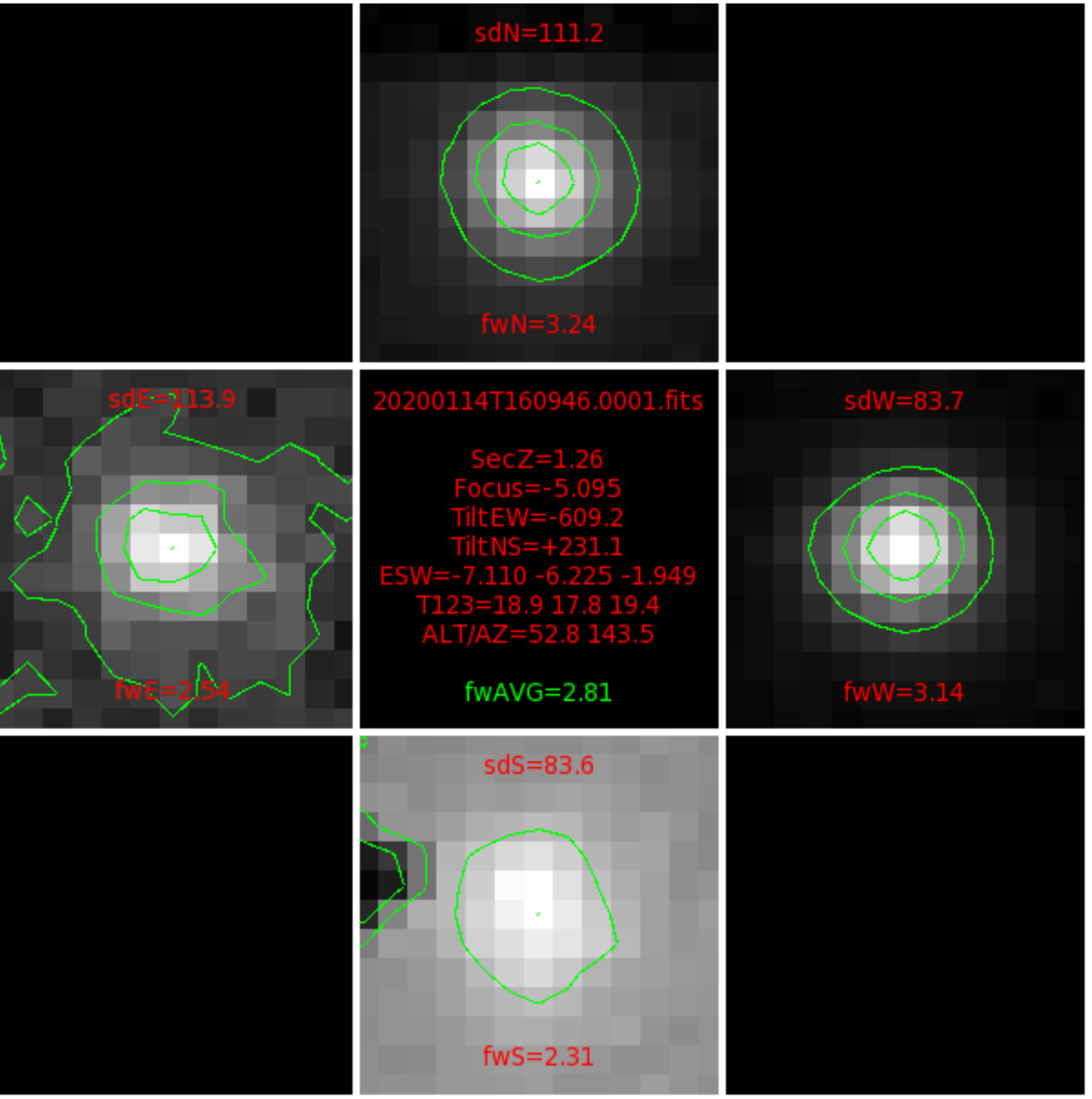
sdN=111.2
fwN=3.24
sdE=113.9
fwE=2.54
20200114T160946.0001.fits
SecZ=1.26
Focus=-5.095
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.110 -6.225 -1.949
T123=18.9 17.8 19.4
ALT/AZ=52.8 143.5
fwAVG=2.81
sdW=83.7
fwW=3.14
sdS=83.6
fwS=2.31
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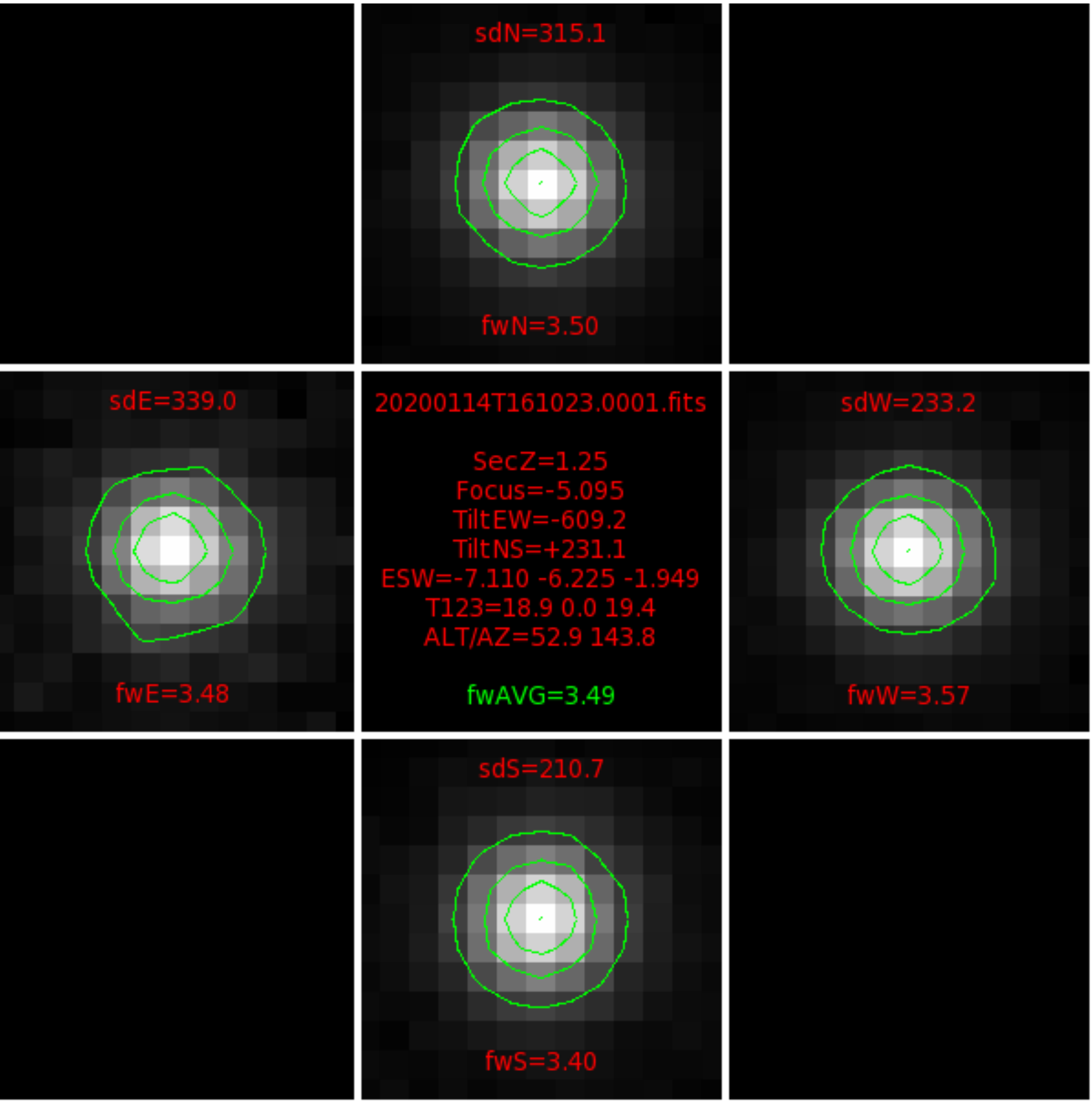
sdN=315.1
fwN=3.50
sdE=339.0
fwE=3.48
20200114T161023.0001.fits
SecZ=1.25
Focus=-5.095
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.110 -6.225 -1.949
T123=18.9 0.0 19.4
ALT/AZ=52.9 143.8
fwAVG=3.49
sdW=233.2
fwW=3.57
sdS=210.7
fwS=3.40
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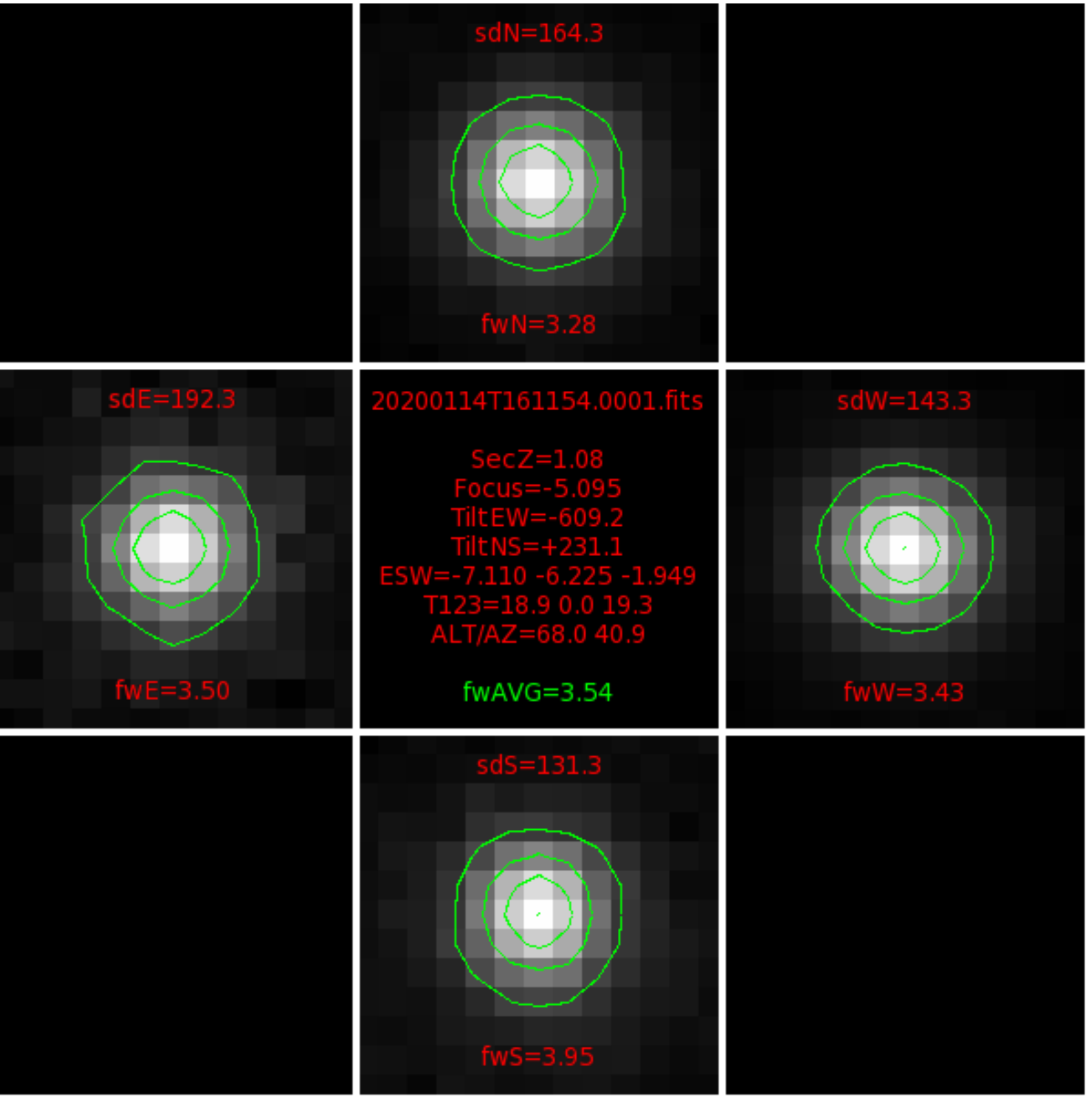
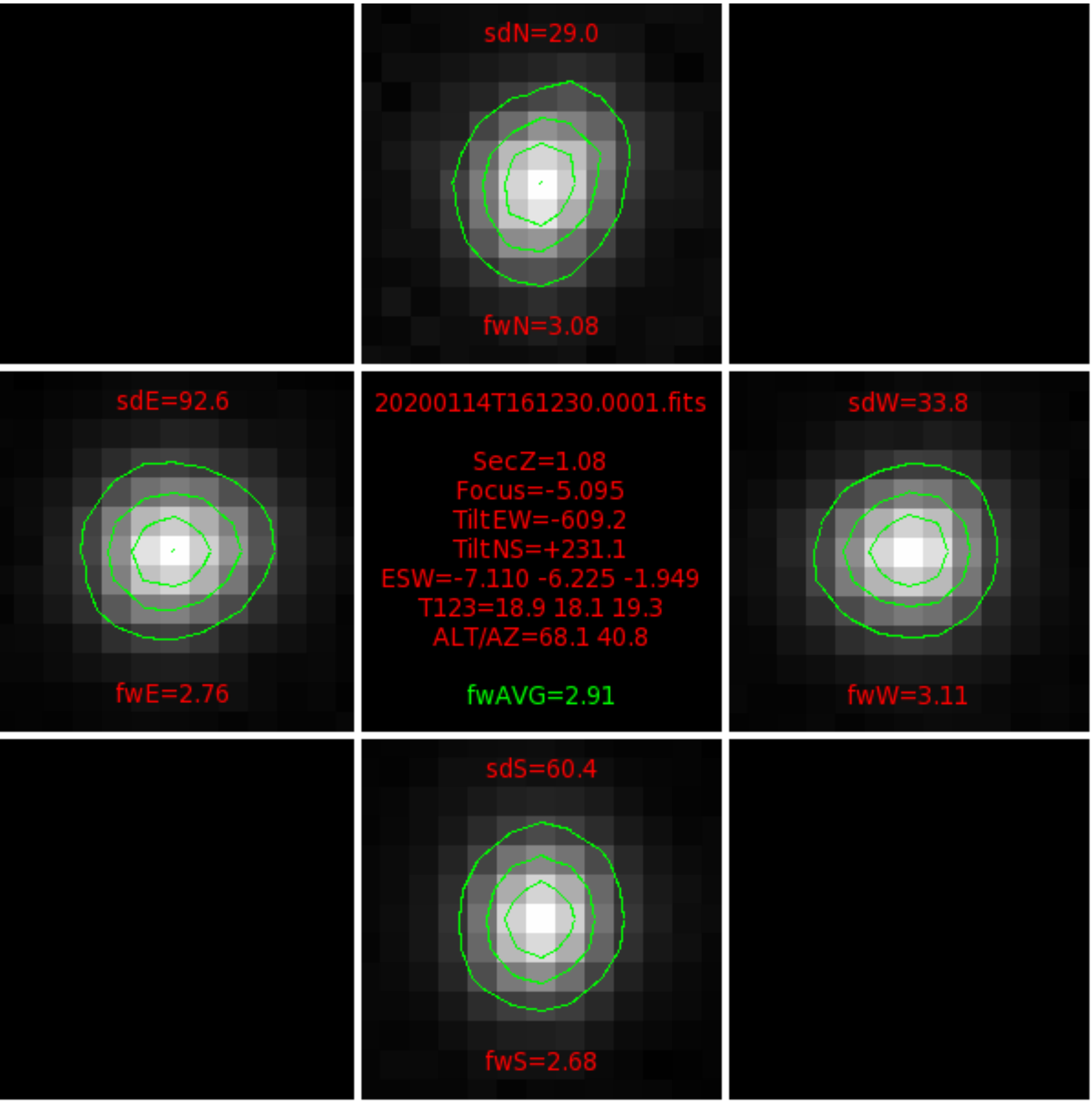
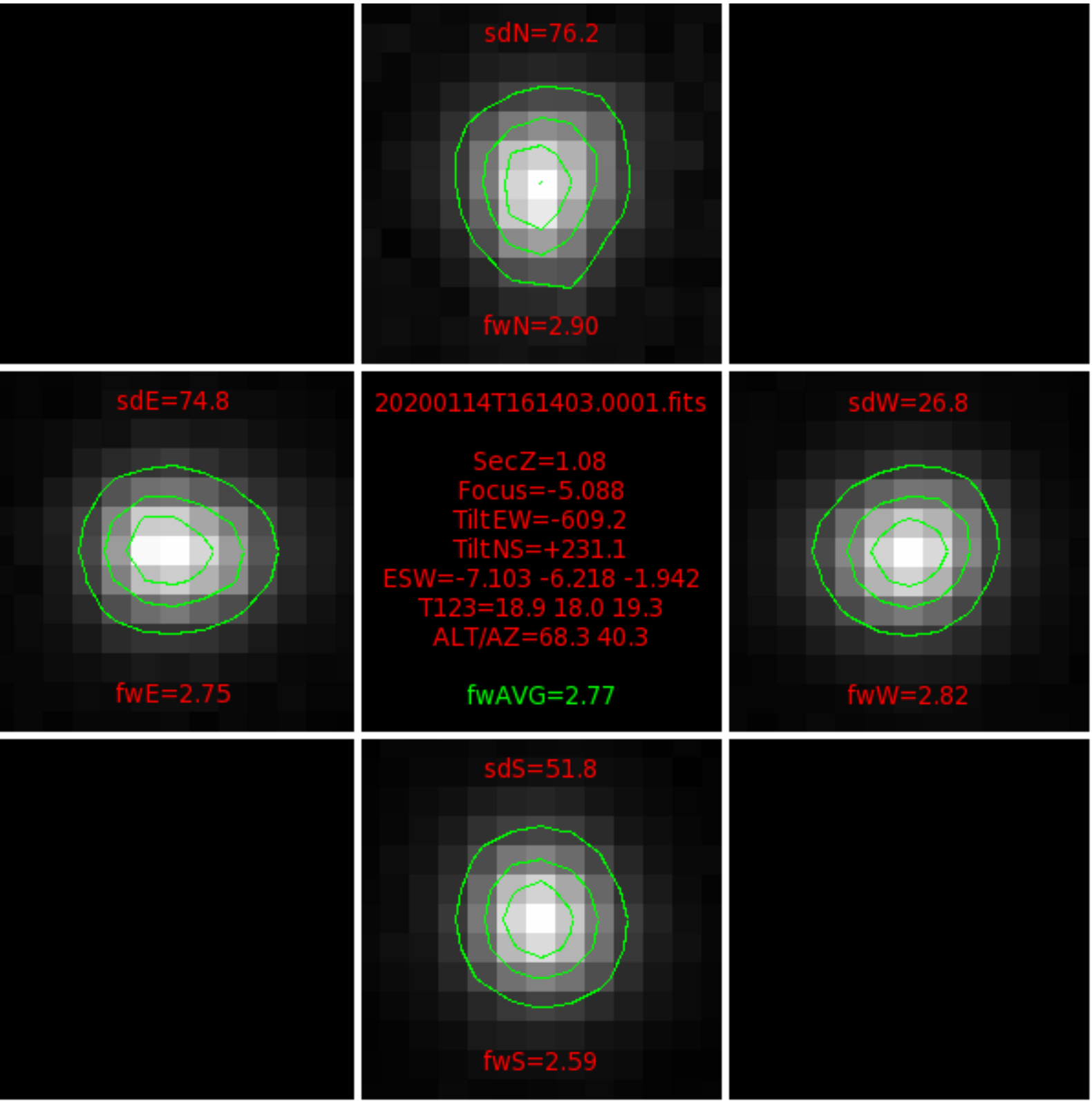
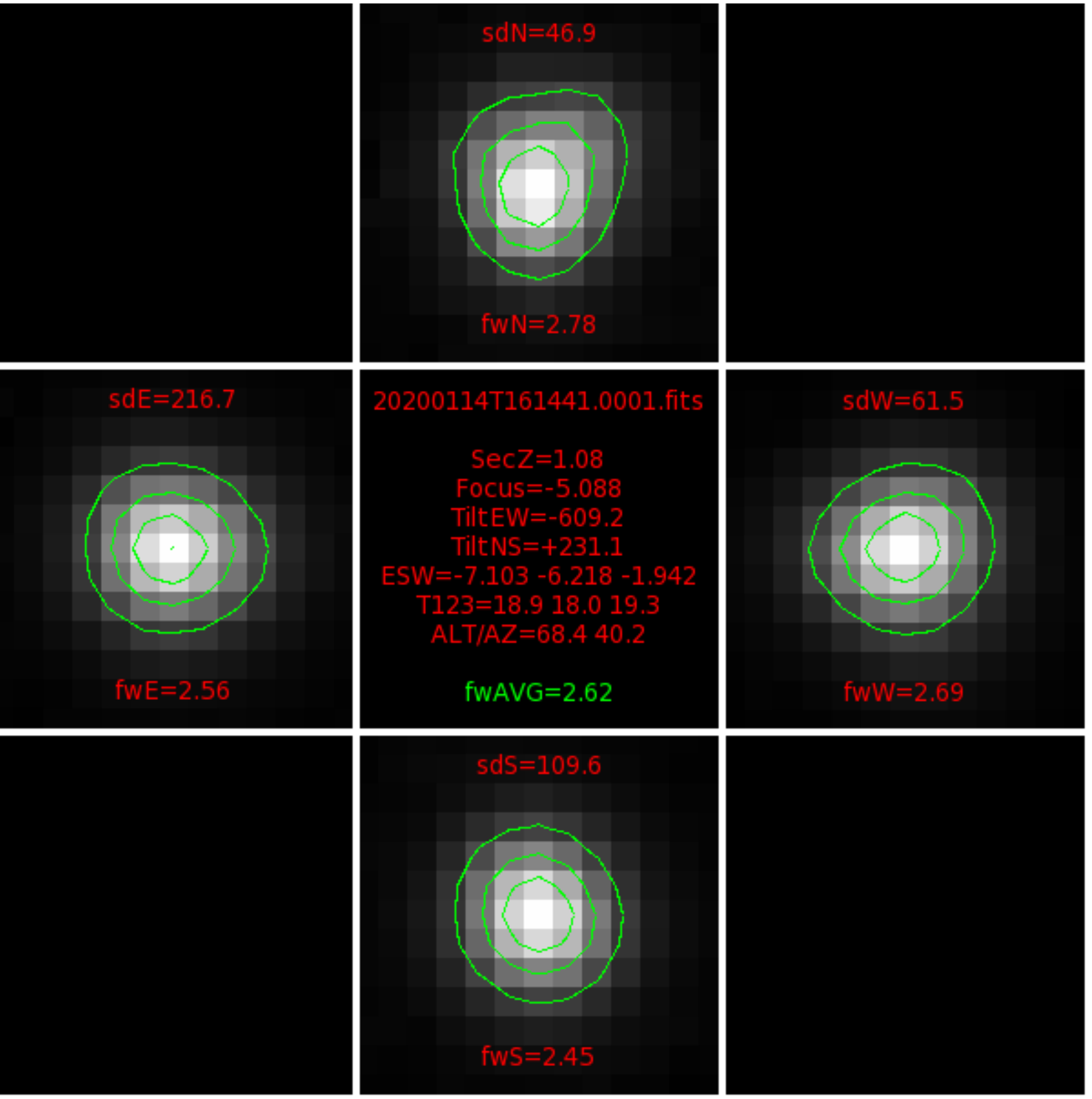

sdN=164.3
fwN=3.28
sdE=192.3
fwE=3.50
20200114T161154.0001.fits
SecZ=1.08
Focus=-5.095
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.110 -6.225 -1.949
T123=18.9 0.0 19.3
ALT/AZ=68.0 40.9
fwAVG=3.54
sdW=143.3
fwW=3.43
sdS=131.3
fwS=3.95
0 0 0 0 0 0 0 0 0


sdN=29.0
fwN=3.08
sdE=92.6
fwE=2.76
20200114T161230.0001.fits
SecZ=1.08
Focus=-5.095
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.110 -6.225 -1.949
T123=18.9 18.1 19.3
ALT/AZ=68.1 40.8
fwAVG=2.91
sdW=33.8
fwW=3.11
sdS=60.4
fwS=2.68
0 0 0 0 0 0 0 0 0


sdN=76.2
fwN=2.90
sdE=74.8
fwE=2.75
20200114T161403.0001.fits
SecZ=1.08
Focus=-5.088
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.103 -6.218 -1.942
T123=18.9 18.0 19.3
ALT/AZ=68.3 40.3
fwAVG=2.77
sdW=26.8
fwW=2.82
sdS=51.8
fwS=2.59
0 0 0 0 0 0 0 0 0


sdN=46.9
fwN=2.78
sdE=216.7
fwE=2.56
20200114T161441.0001.fits
SecZ=1.08
Focus=-5.088
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.103 -6.218 -1.942
T123=18.9 18.0 19.3
ALT/AZ=68.4 40.2
fwAVG=2.62
sdW=61.5
fwW=2.69
sdS=109.6
fwS=2.45
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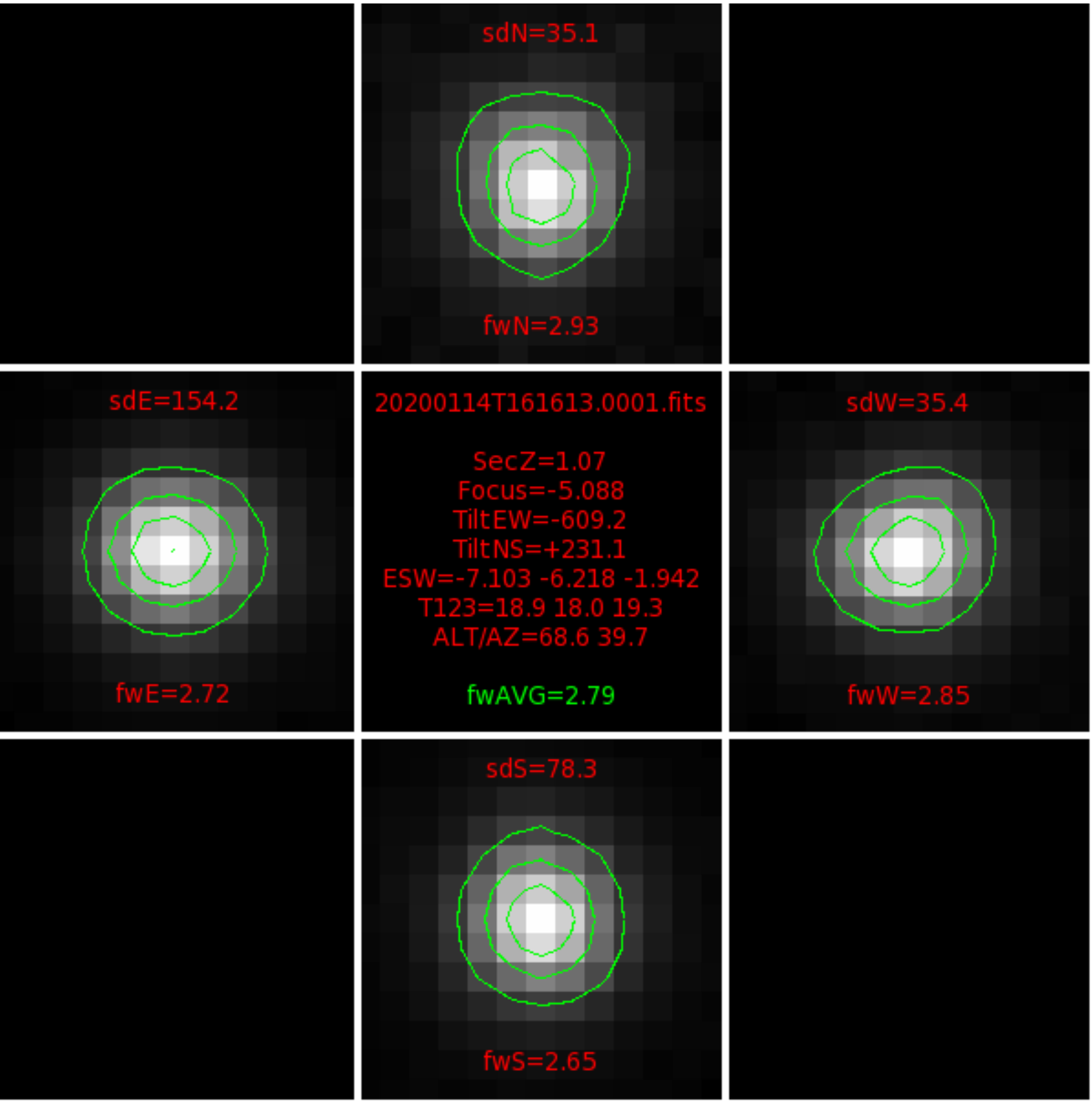
sdN=35.1
fwN=2.93
sdE=154.2
fwE=2.72
20200114T161613.0001.fits
SecZ=1.07
Focus=-5.088
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.103 -6.218 -1.942
T123=18.9 18.0 19.3
ALT/AZ=68.6 39.7
fwAVG=2.79
sdW=35.4
fwW=2.85
sdS=78.3
fwS=2.65
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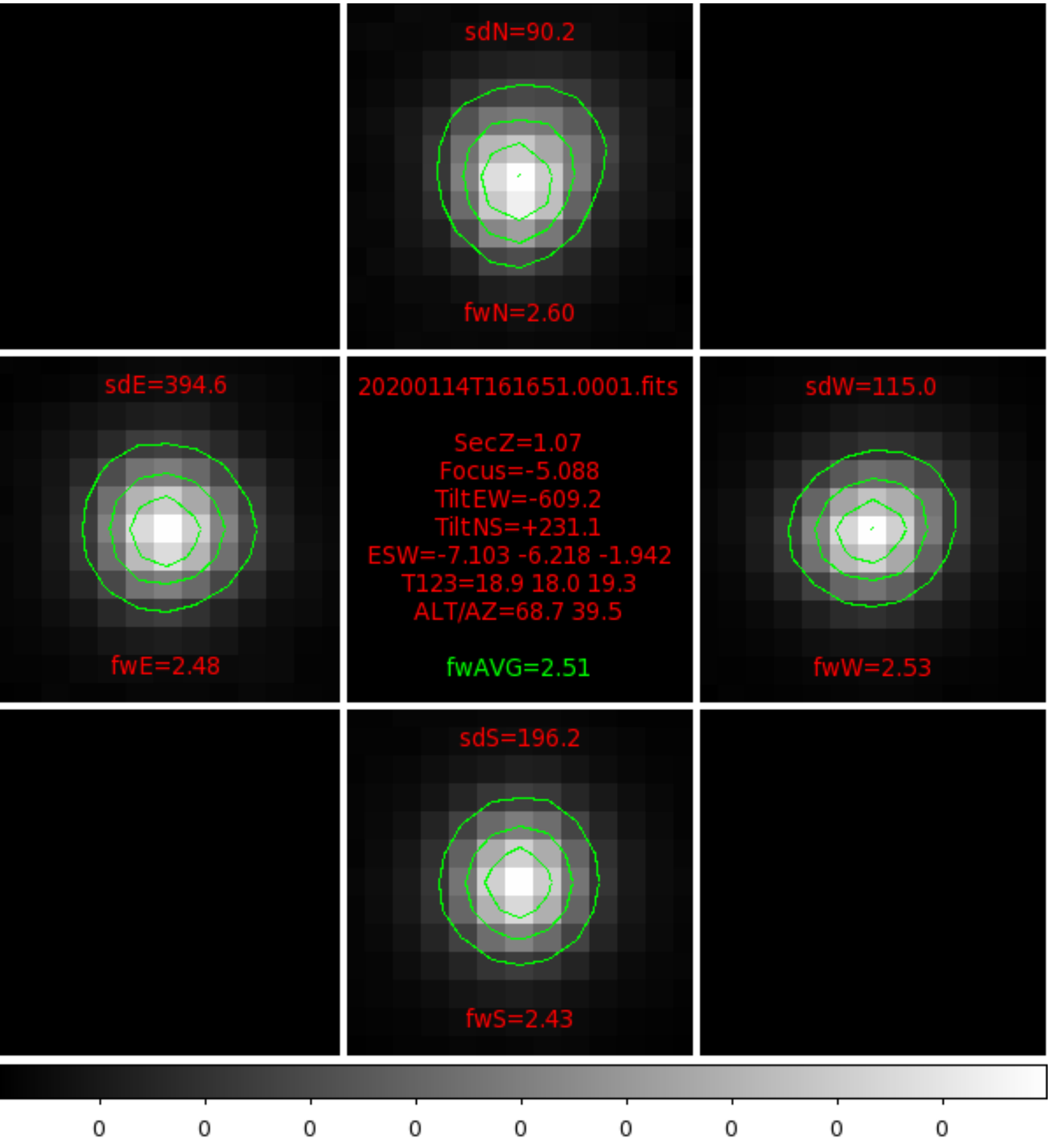
sdN=90.2
fwN=2.60
sdE=394.6
fwE=2.48
20200114T161651.0001.fits
SecZ=1.07
Focus=-5.088
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.103 -6.218 -1.942
T123=18.9 18.0 19.3
ALT/AZ=68.7 39.5
fwAVG=2.51
sdW=115.0
fwW=2.53
sdS=196.2
fwS=2.43
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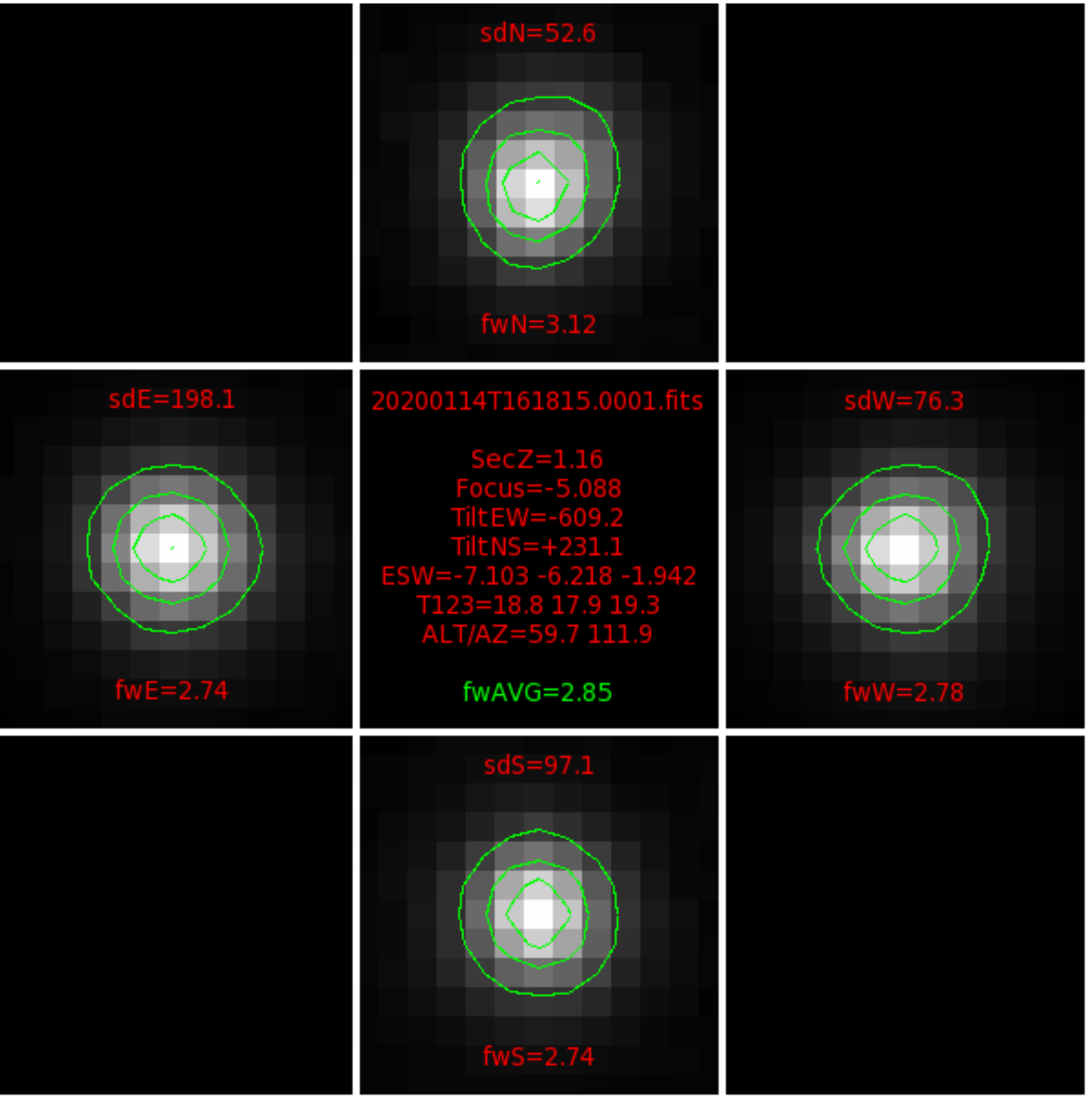
sdN=52.6
fwN=3.12
sdE=198.1
fwE=2.74
20200114T161815.0001.fits
SecZ=1.16
Focus=-5.088
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.103 -6.218 -1.942
T123=18.8 17.9 19.3
ALT/AZ=59.7 111.9
fwAVG=2.85
sdW=76.3
fwW=2.78
sdS=97.1
fwS=2.74
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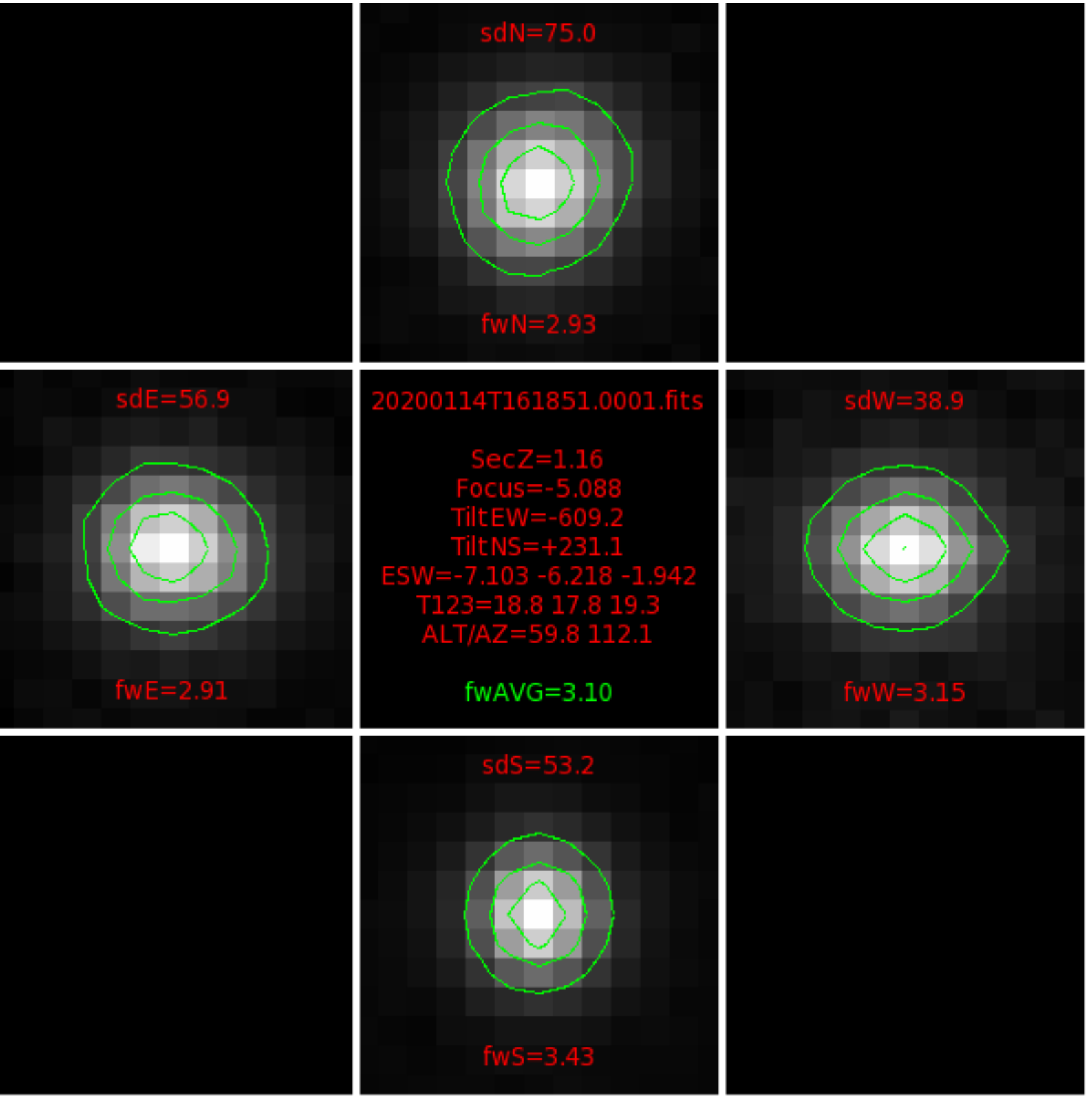
sdN=75.0
fwN=2.93
sdE=56.9
fwE=2.91
20200114T161851.0001.fits
SecZ=1.16
Focus=-5.088
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.103 -6.218 -1.942
T123=18.8 17.8 19.3
ALT/AZ=59.8 112.1
fwAVG=3.10
sdW=38.9
fwW=3.15
sdS=53.2
fwS=3.43
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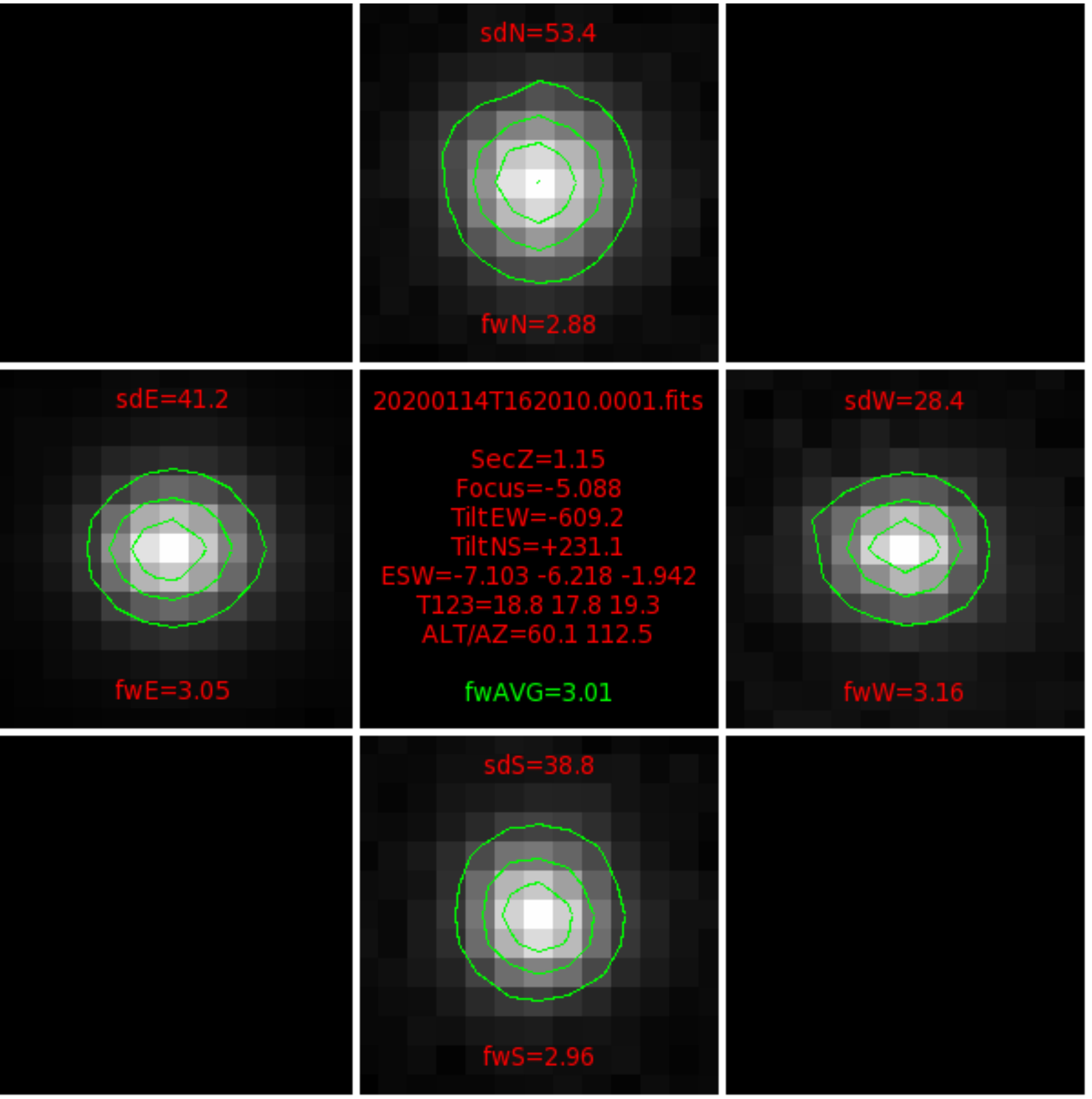
sdN=53.4
fwN=2.88
sdE=41.2
fwE=3.05
20200114T162010.0001.fits
SecZ=1.15
Focus=-5.088
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.103 -6.218 -1.942
T123=18.8 17.8 19.3
ALT/AZ=60.1 112.5
fwAVG=3.01
sdW=28.4
fwW=3.16
sdS=38.8
fwS=2.96
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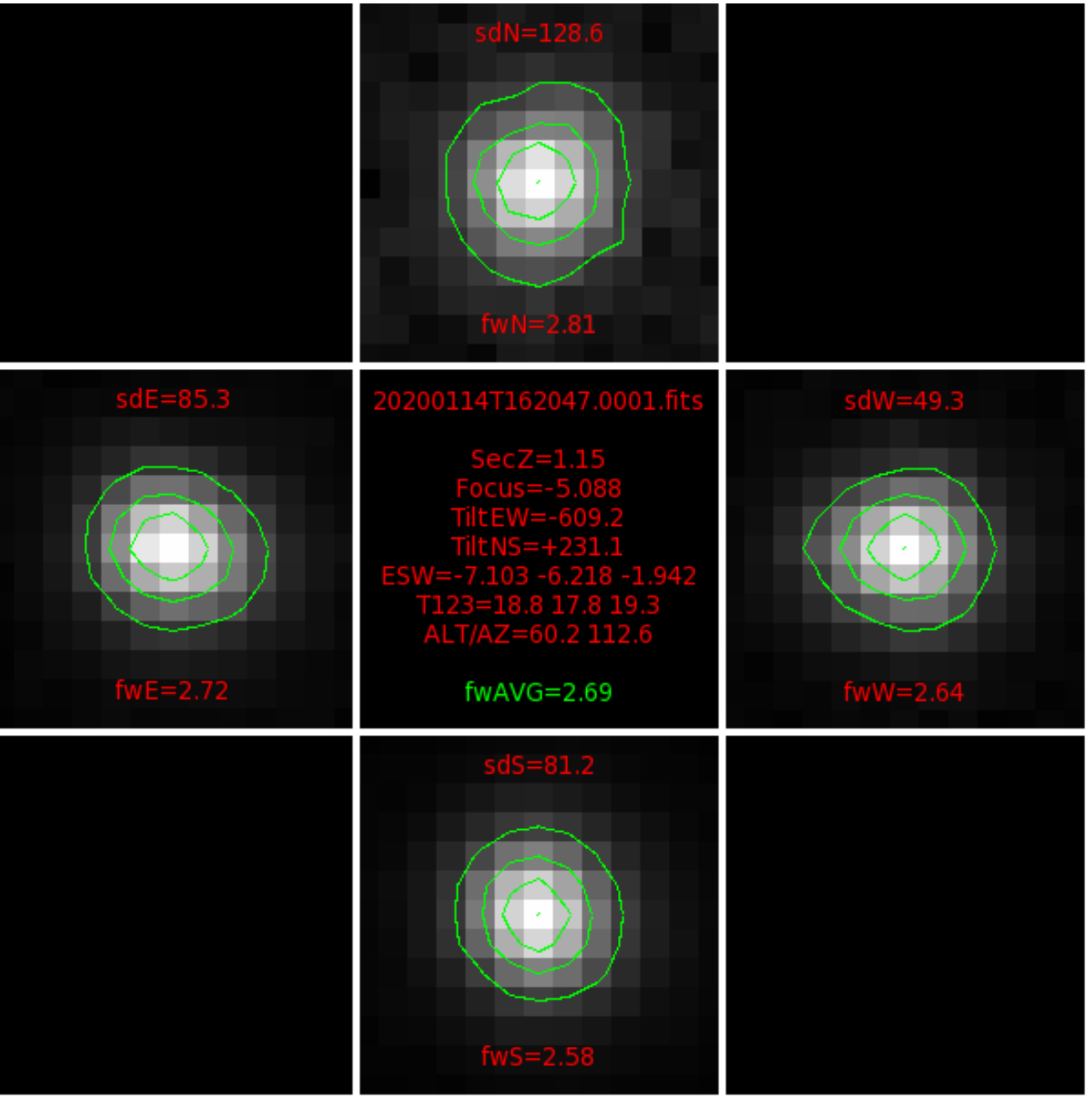
sdN=128.6
fwN=2.81
sdE=85.3
fwE=2.72
20200114T162047.0001.fits
SecZ=1.15
Focus=-5.088
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.103 -6.218 -1.942
T123=18.8 17.8 19.3
ALT/AZ=60.2 112.6
fwAVG=2.69
sdW=49.3
fwW=2.64
sdS=81.2
fwS=2.58
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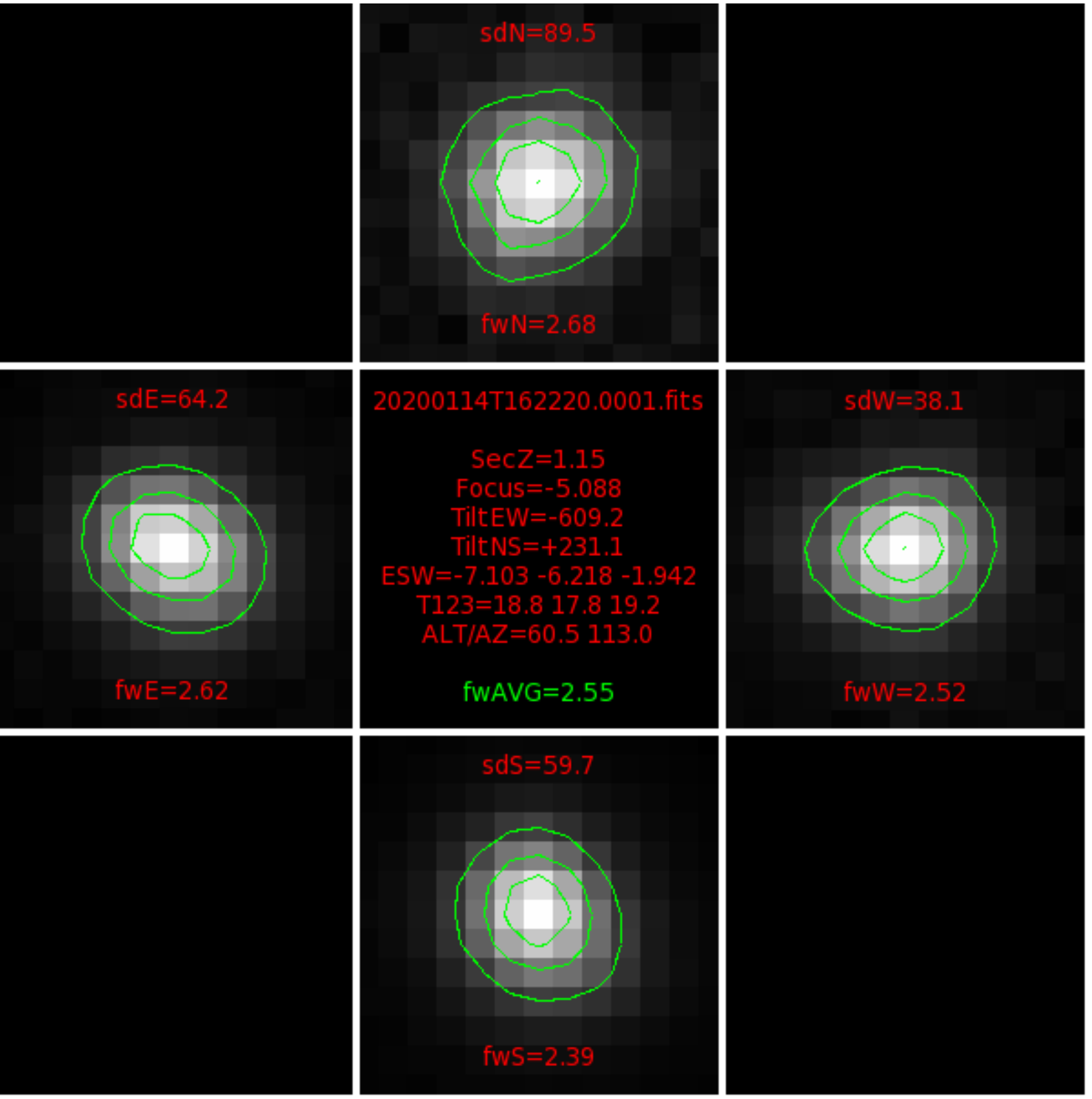
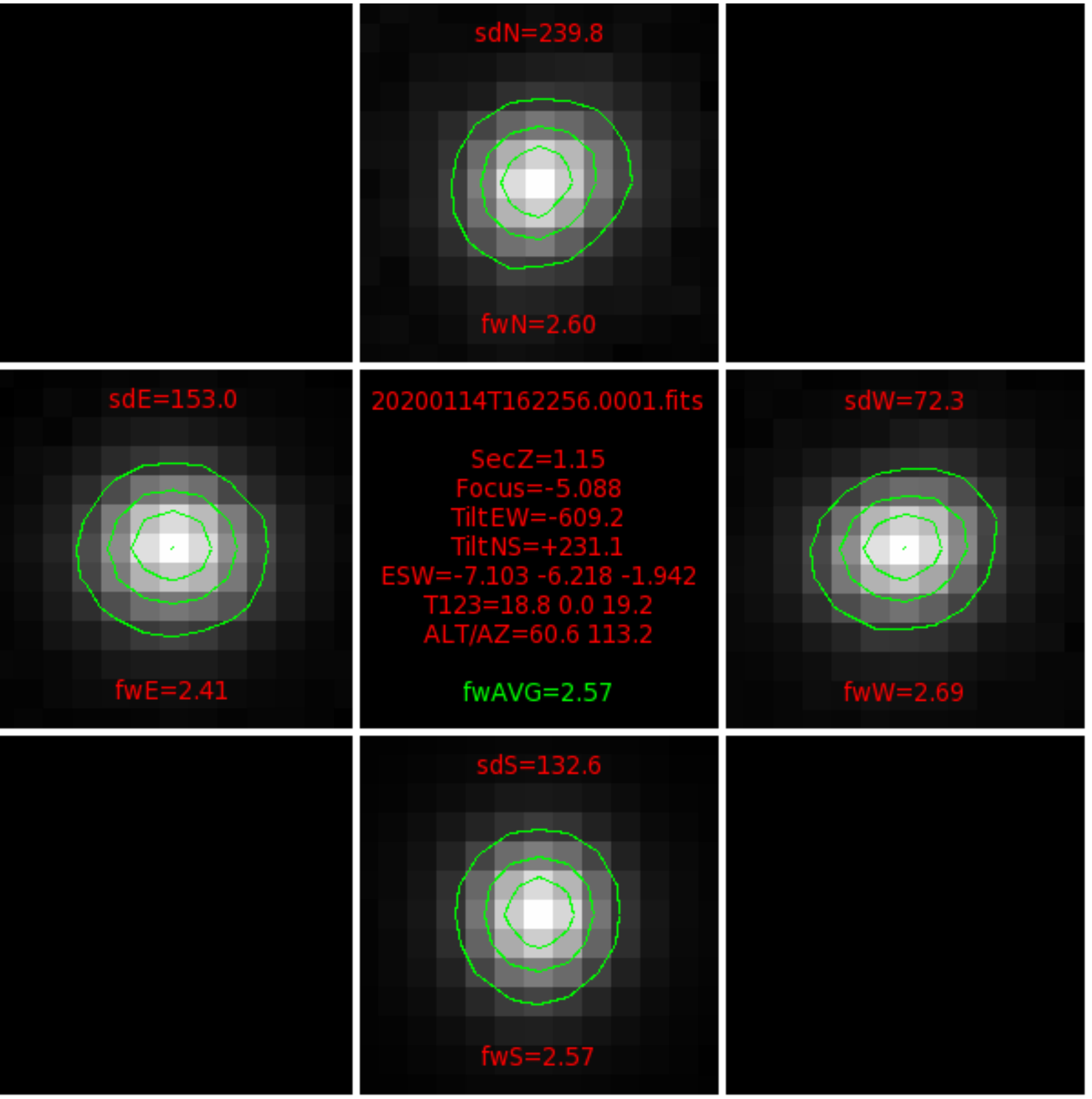
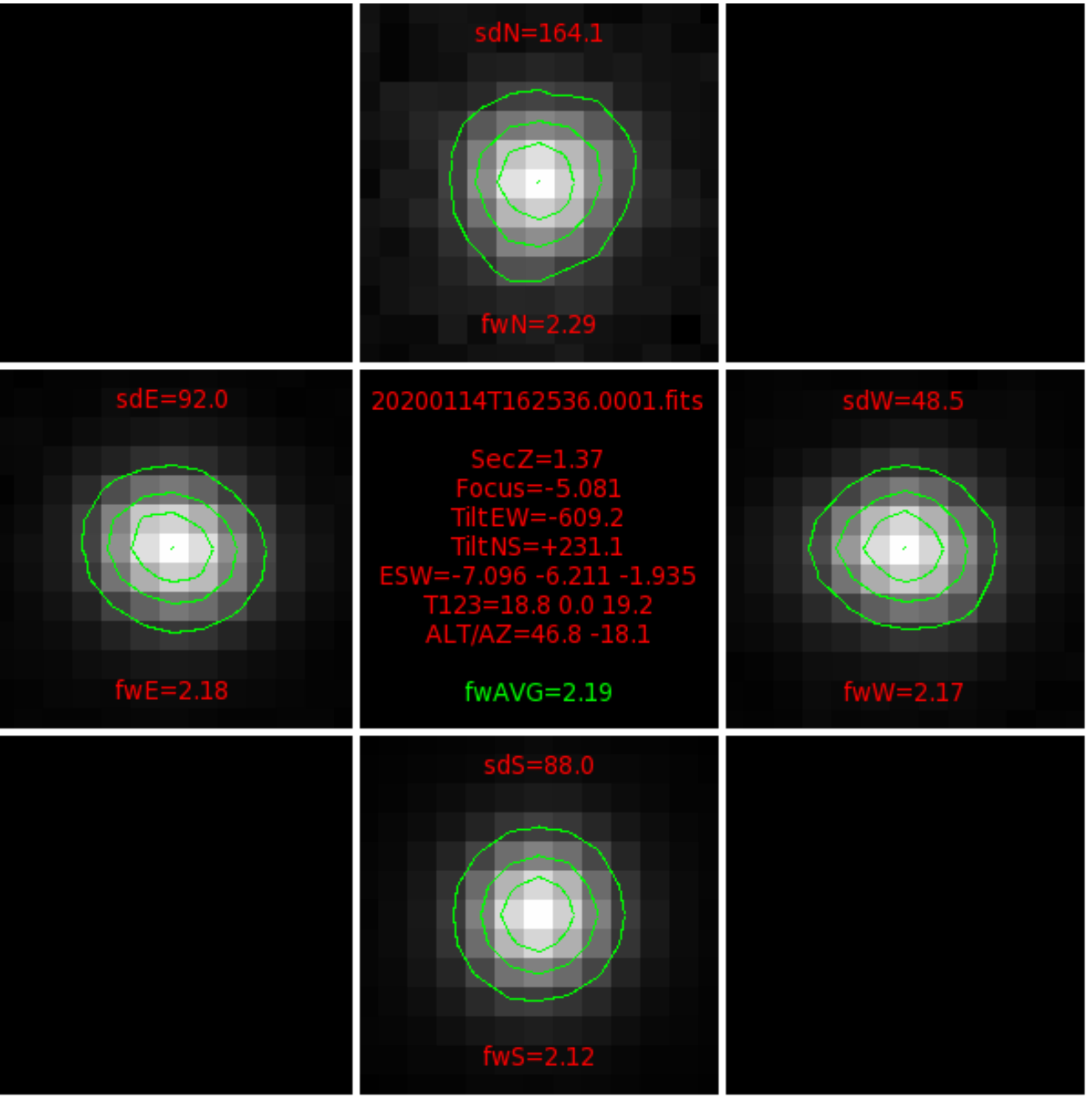
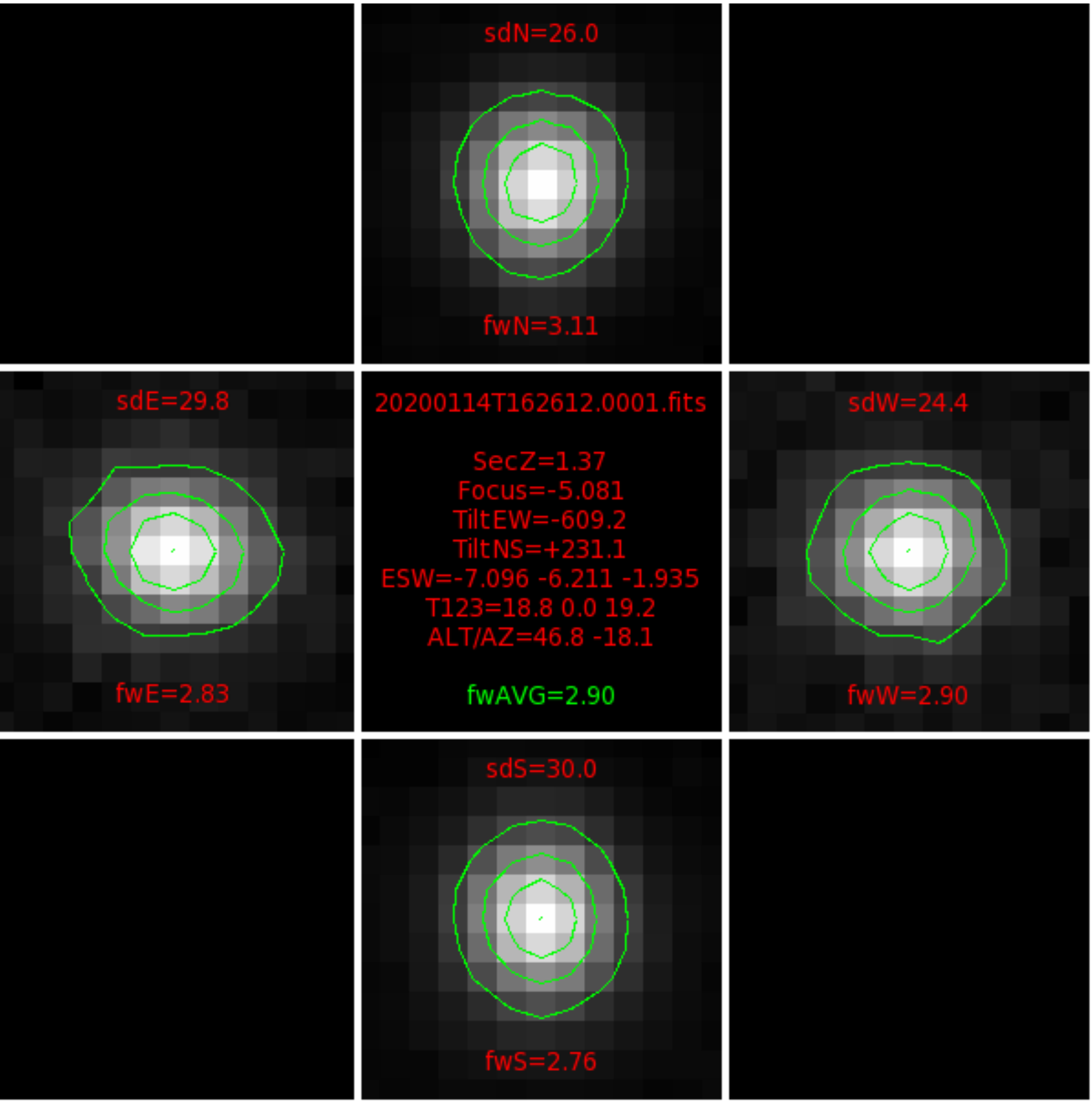
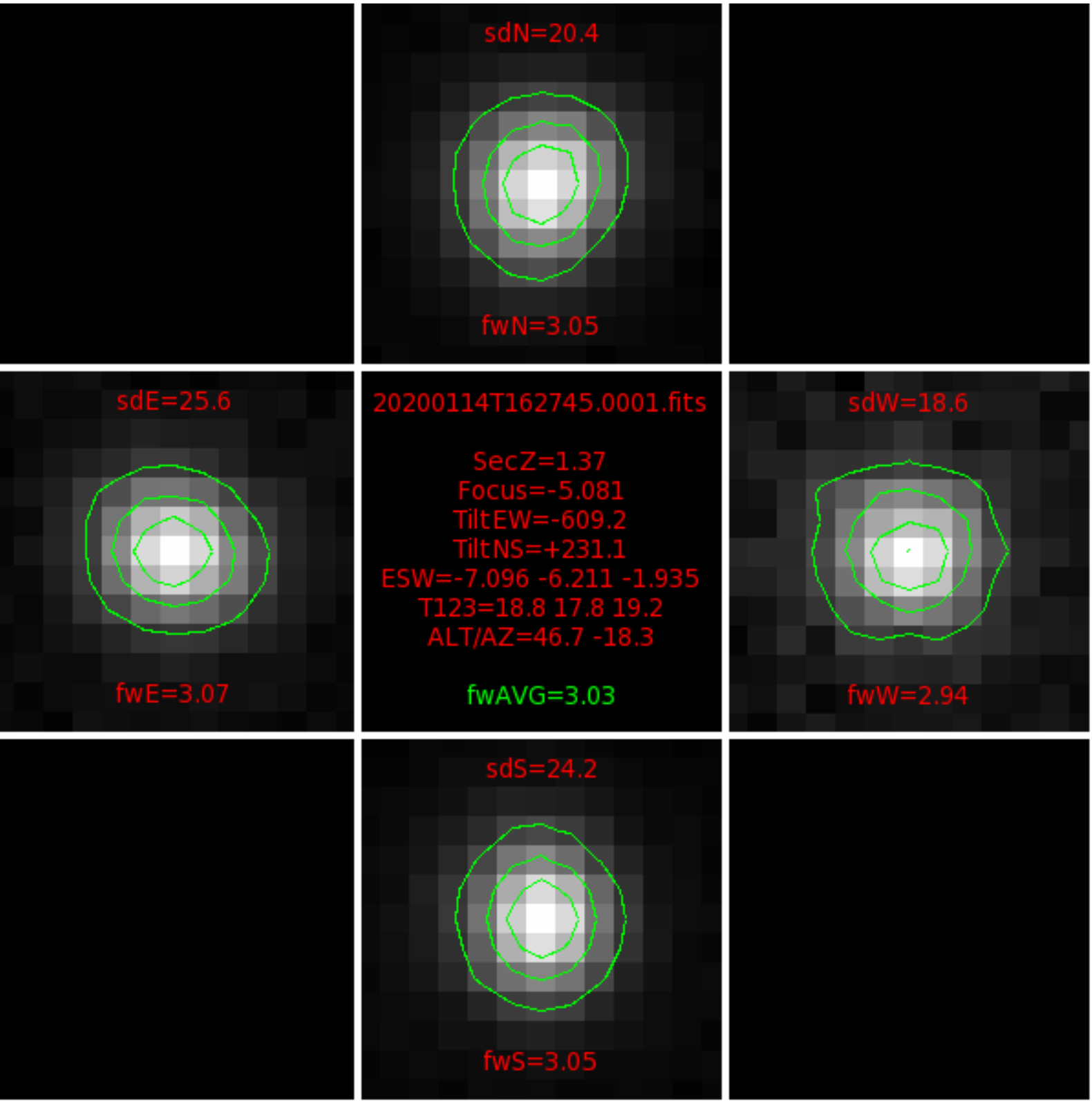
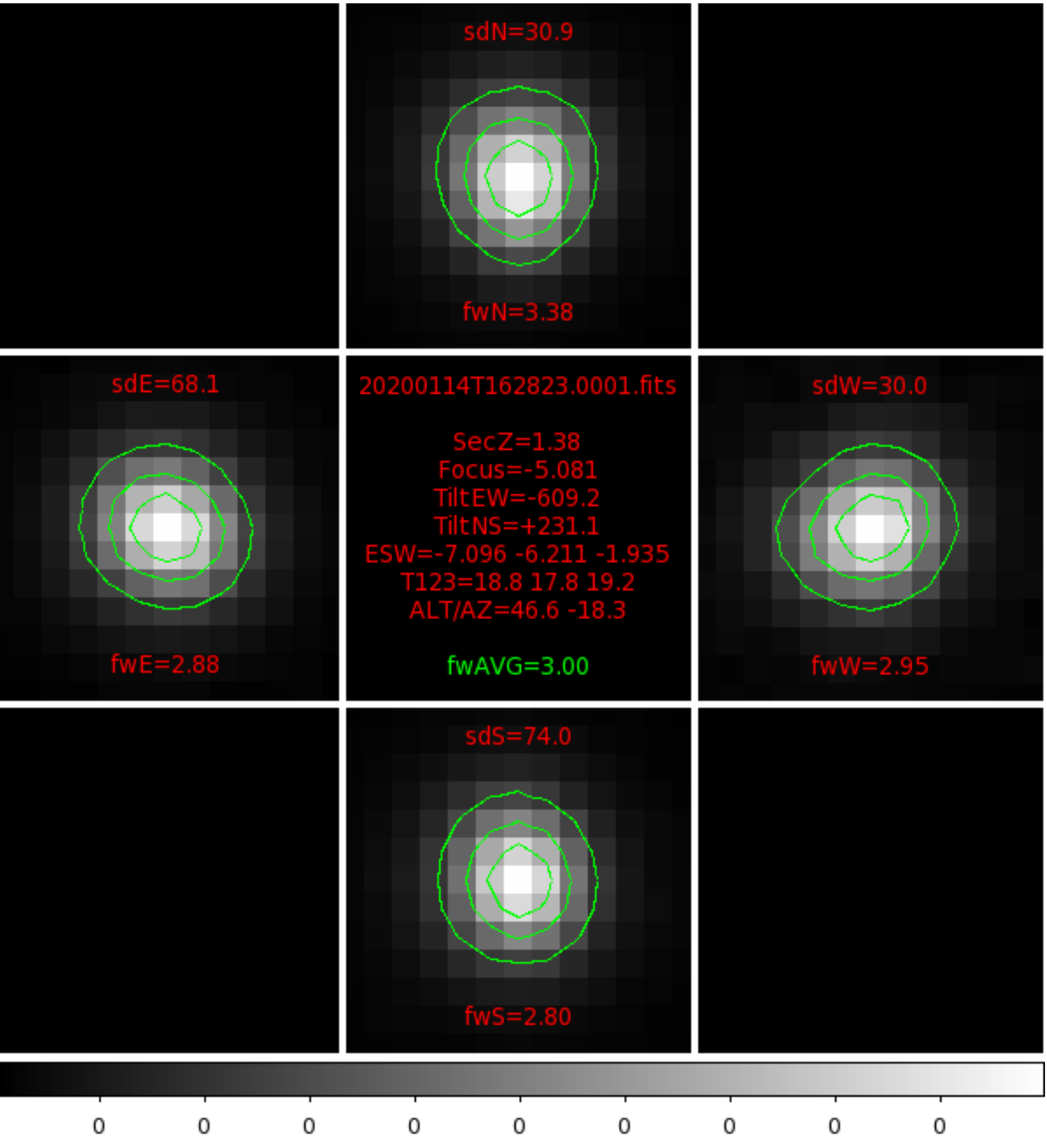

sdN=89.5
fwN=2.68
sdE=64.2
fwE=2.62
20200114T162220.0001.fits
SecZ=1.15
Focus=-5.088
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.103 -6.218 -1.942
T123=18.8 17.8 19.2
ALT/AZ=60.5 113.0
fwAVG=2.55
sdW=38.1
fwW=2.52
sdS=59.7
fwS=2.39
0 0 0 0 0 0 0 0 0

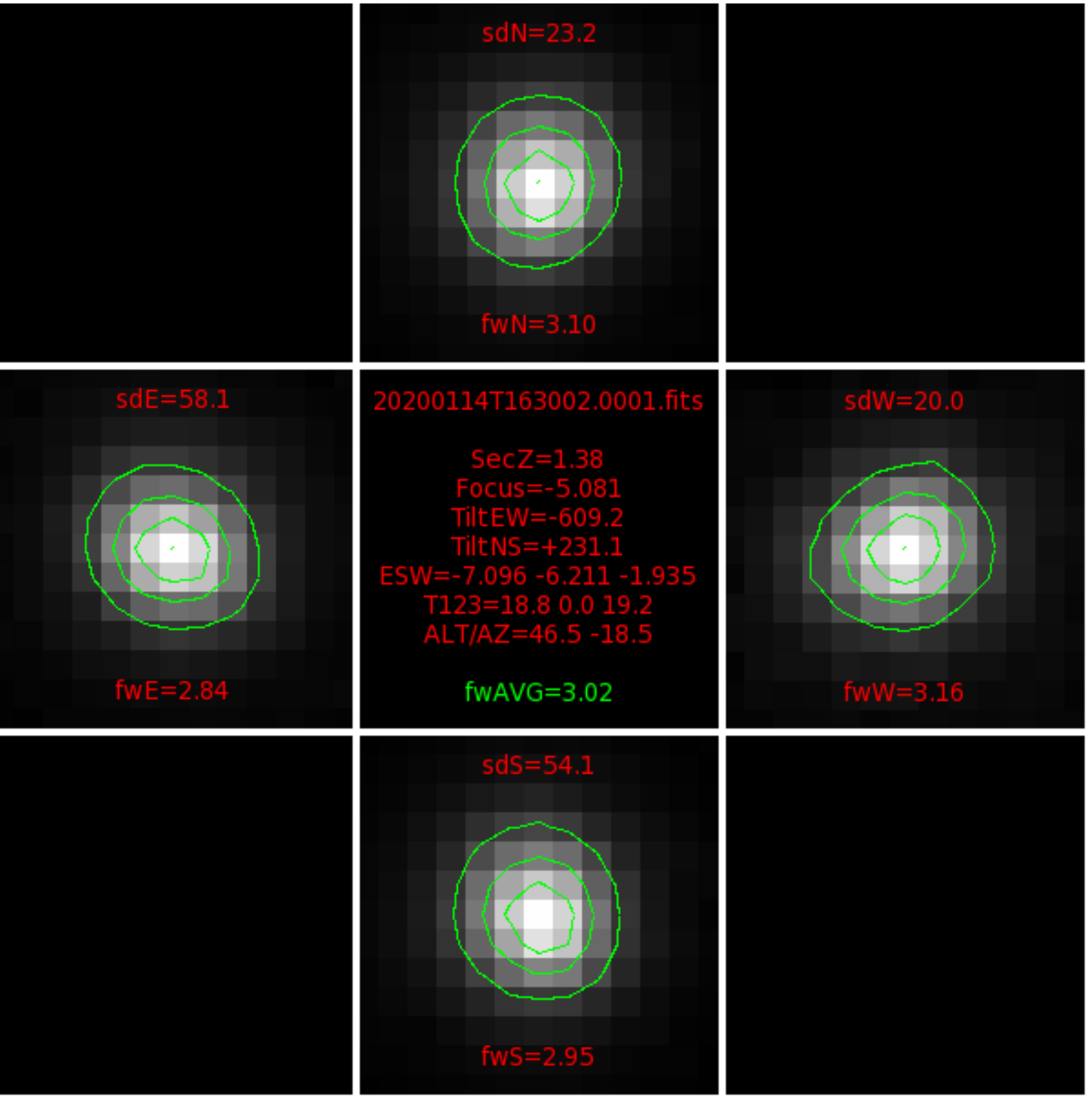

sdN=239.8
fwN=2.60
sdE=153.0
fwE=2.41
20200114T162256.0001.fits
SecZ=1.15
Focus=-5.088
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.103 -6.218 -1.942
T123=18.8 0.0 19.2
ALT/AZ=60.6 113.2
fwAVG=2.57
sdW=72.3
fwW=2.69
sdS=132.6
fwS=2.57
0 0 0 0 0 0 0 0 0

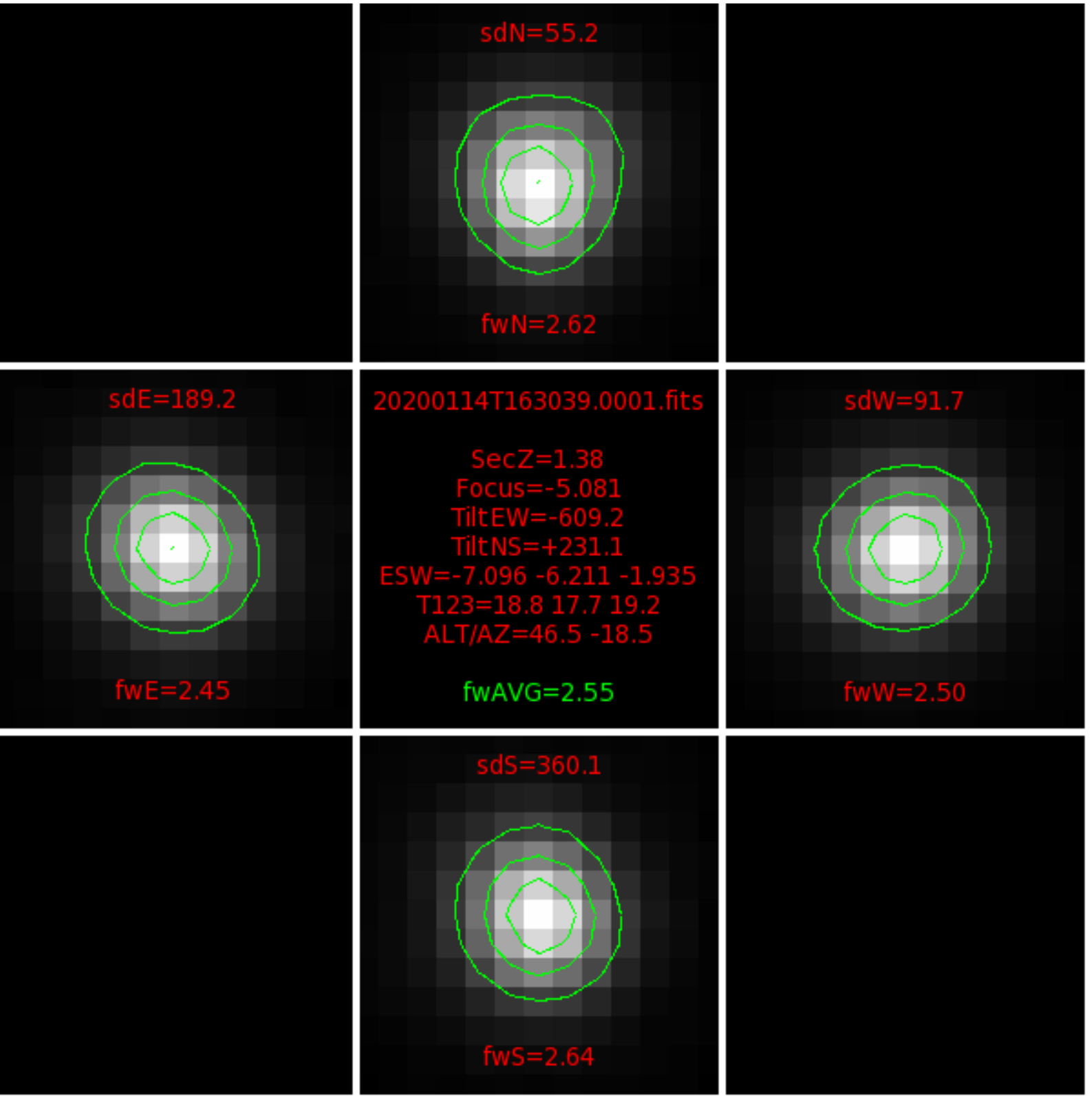

sdN=164.1
fwN=2.29
sdE=92.0
fwE=2.18
20200114T162536.0001.fits
SecZ=1.37
Focus=-5.081
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.096 -6.211 -1.935
T123=18.8 0.0 19.2
ALT/AZ=46.8 -18.1
fwAVG=2.19
sdW=48.5
fwW=2.17
sdS=88.0
fwS=2.12
0 0 0 0 0 0 0 0 0


sdN=26.0
fwN=3.11
sdE=29.8
fwE=2.83
20200114T162612.0001.fits
SecZ=1.37
Focus=-5.081
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.096 -6.211 -1.935
T123=18.8 0.0 19.2
ALT/AZ=46.8 -18.1
fwAVG=2.90
sdW=24.4
fwW=2.90
sdS=30.0
fwS=2.76
0 0 0 0 0 0 0 0 0


sdN=20.4
fwN=3.05
sdE=25.6
fwE=3.07
20200114T162745.0001.fits
SecZ=1.37
Focus=-5.081
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.096 -6.211 -1.935
T123=18.8 17.8 19.2
ALT/AZ=46.7 -18.3
fwAVG=3.03
sdW=18.6
fwW=2.94
sdS=24.2
fwS=3.05
0 0 0 0 0 0 0 0 0


sdN=30.9
fwN=3.38
sdE=68.1
fwE=2.88
20200114T162823.0001.fits
SecZ=1.38
Focus=-5.081
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.096 -6.211 -1.935
T123=18.8 17.8 19.2
ALT/AZ=46.6 -18.3
fwAVG=3.00
sdW=30.0
fwW=2.95
sdS=74.0
fwS=2.80
0 0 0 0 0 0 0 0 0


sdN=23.2
fwN=3.10
sdE=58.1
fwE=2.84
20200114T163002.0001.fits
SecZ=1.38
Focus=-5.081
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.096 -6.211 -1.935
T123=18.8 0.0 19.2
ALT/AZ=46.5 -18.5
fwAVG=3.02
sdW=20.0
fwW=3.16
sdS=54.1
fwS=2.95
0 0 0 0 0 0 0 0 0


sdN=55.2
fwN=2.62
sdE=189.2
fwE=2.45
20200114T163039.0001.fits
SecZ=1.38
Focus=-5.081
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.096 -6.211 -1.935
T123=18.8 17.7 19.2
ALT/AZ=46.5 -18.5
fwAVG=2.55
sdW=91.7
fwW=2.50
sdS=360.1
fwS=2.64
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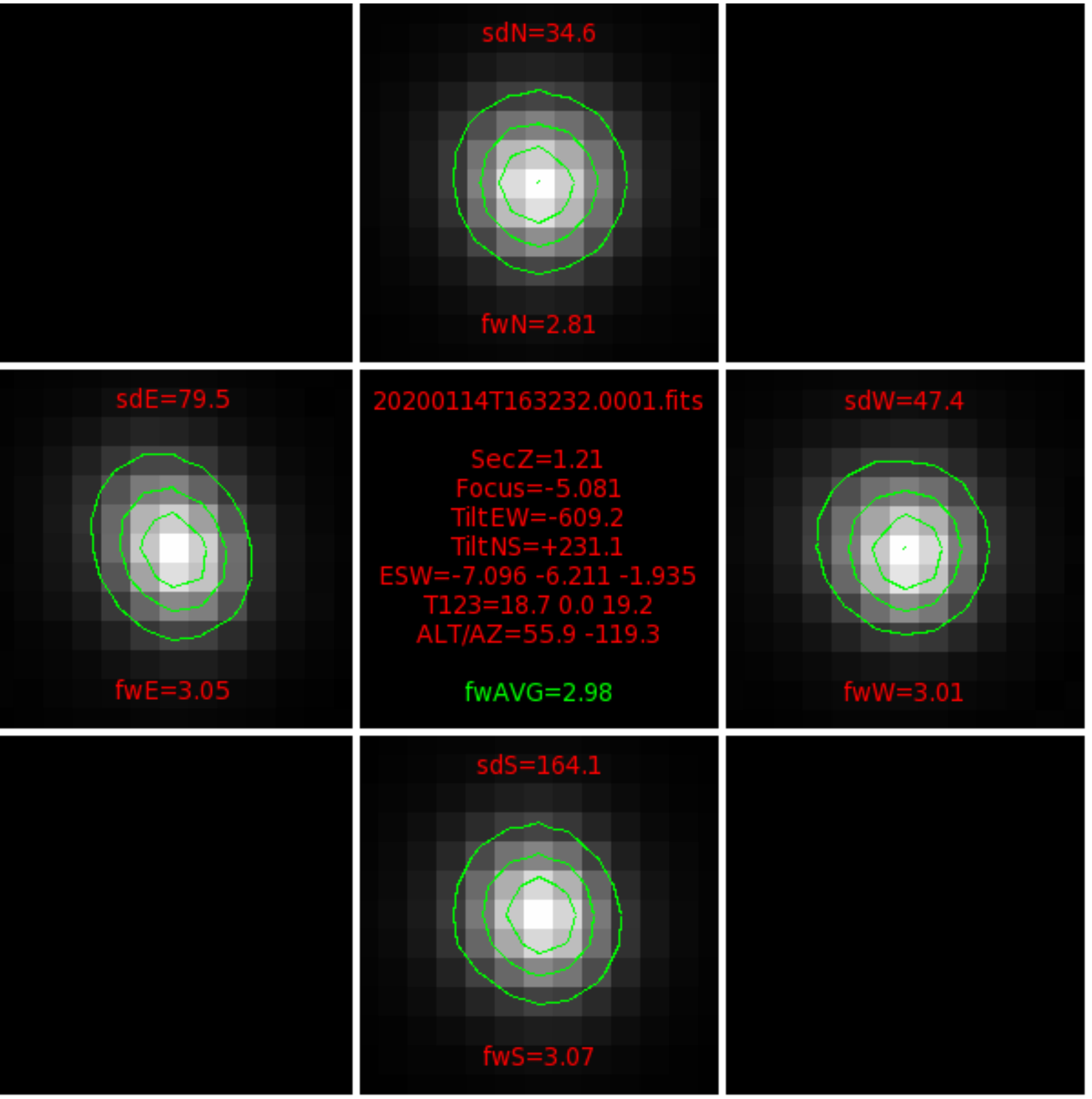
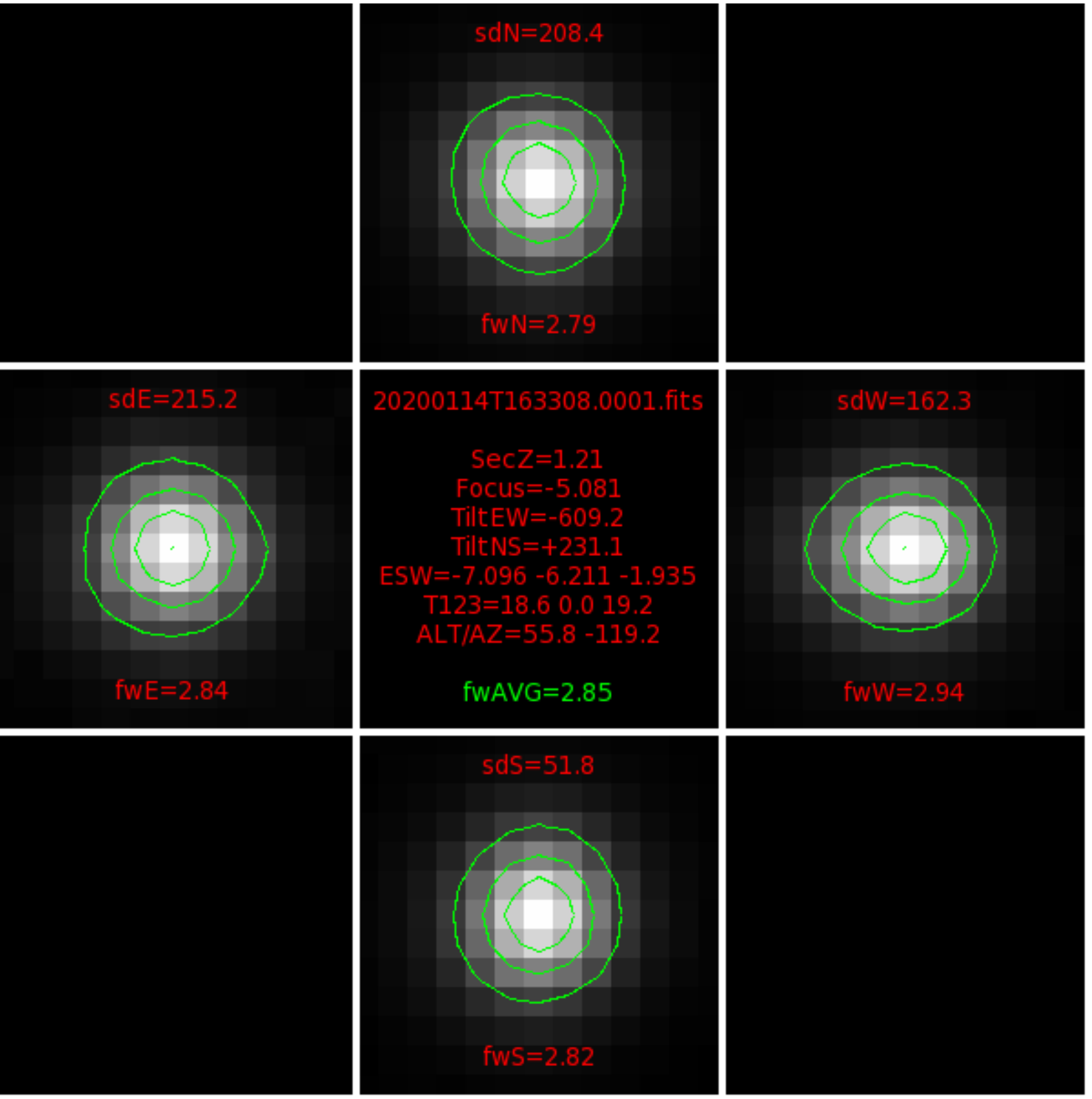

sdN=34.6
fwN=2.81
sdE=79.5
fwE=3.05
20200114T163232.0001.fits
SecZ=1.21
Focus=-5.081
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.096 -6.211 -1.935
T123=18.7 0.0 19.2
ALT/AZ=55.9 -119.3
fwAVG=2.98
sdW=47.4
fwW=3.01
sdS=164.1
fwS=3.07
0 0 0 0 0 0 0 0 0


sdN=208.4
fwN=2.79
sdE=215.2
fwE=2.84
20200114T163308.0001.fits
SecZ=1.21
Focus=-5.081
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.096 -6.211 -1.935
T123=18.6 0.0 19.2
ALT/AZ=55.8 -119.2
fwAVG=2.85
sdW=162.3
fwW=2.94
sdS=51.8
fwS=2.82
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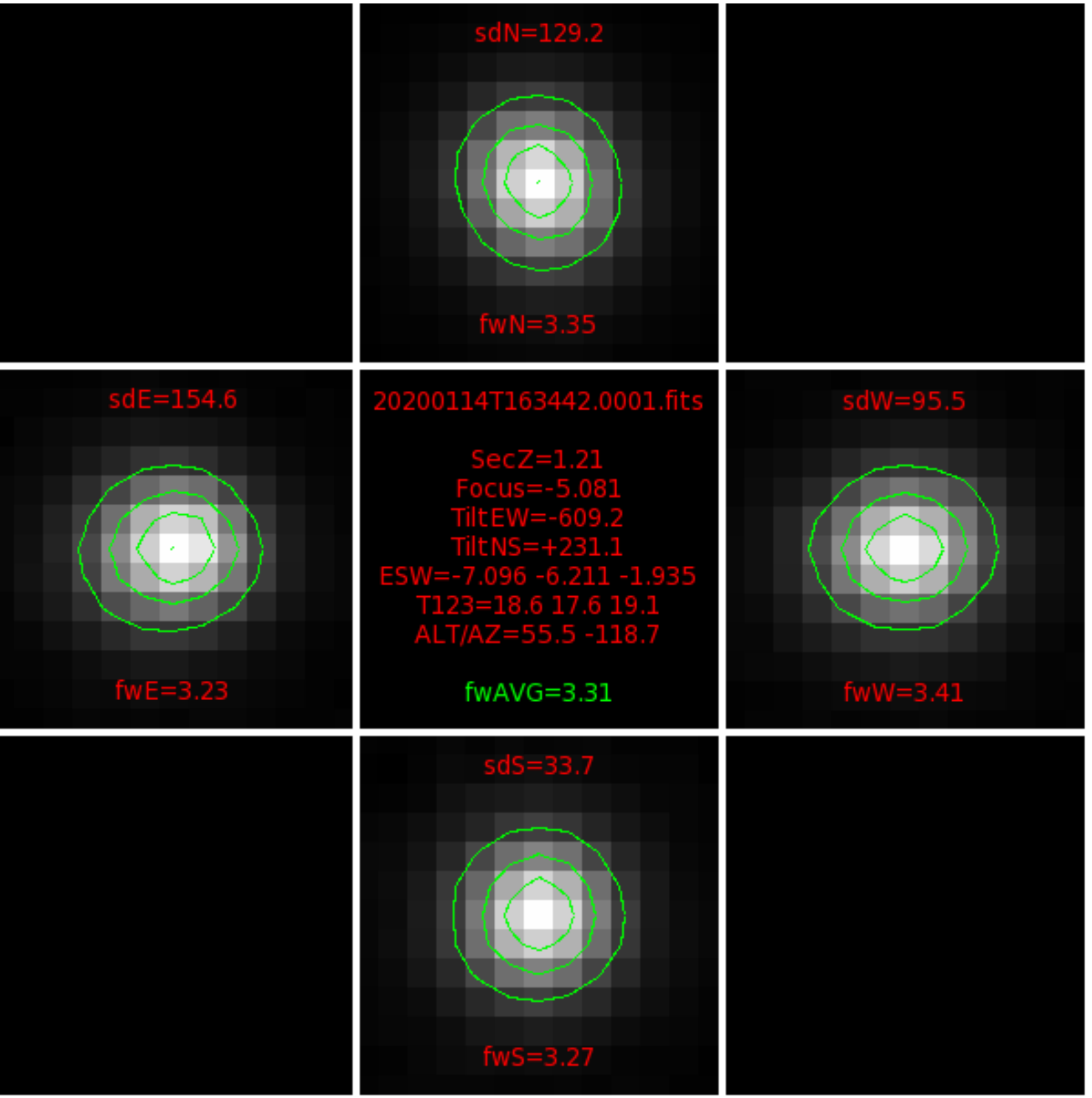
sdN=129.2
fwN=3.35
sdE=154.6
fwE=3.23
20200114T163442.0001.fits
SecZ=1.21
Focus=-5.081
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.096 -6.211 -1.935
T123=18.6 17.6 19.1
ALT/AZ=55.5 -118.7
fwAVG=3.31
sdW=95.5
fwW=3.41
sdS=33.7
fwS=3.27
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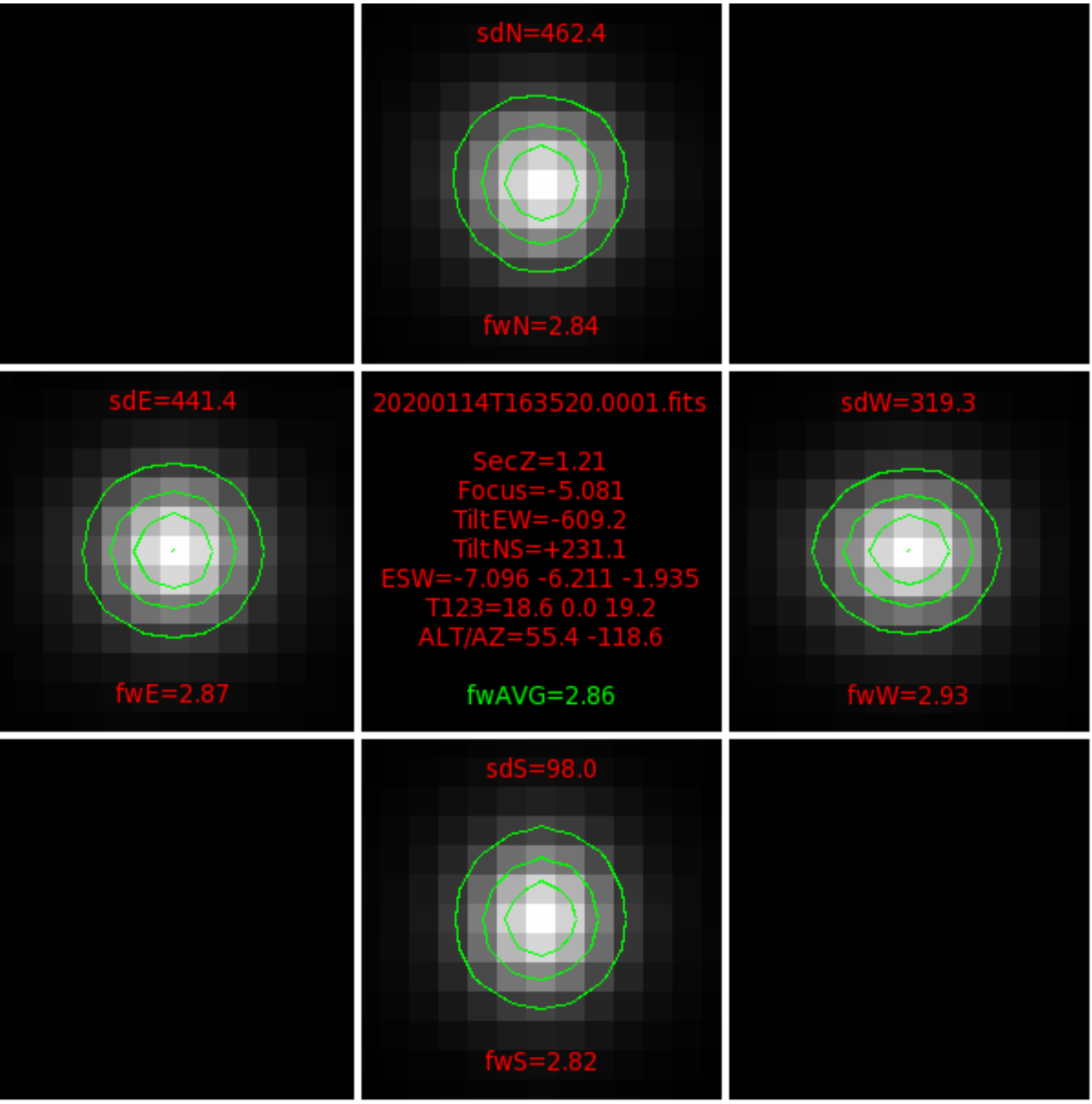
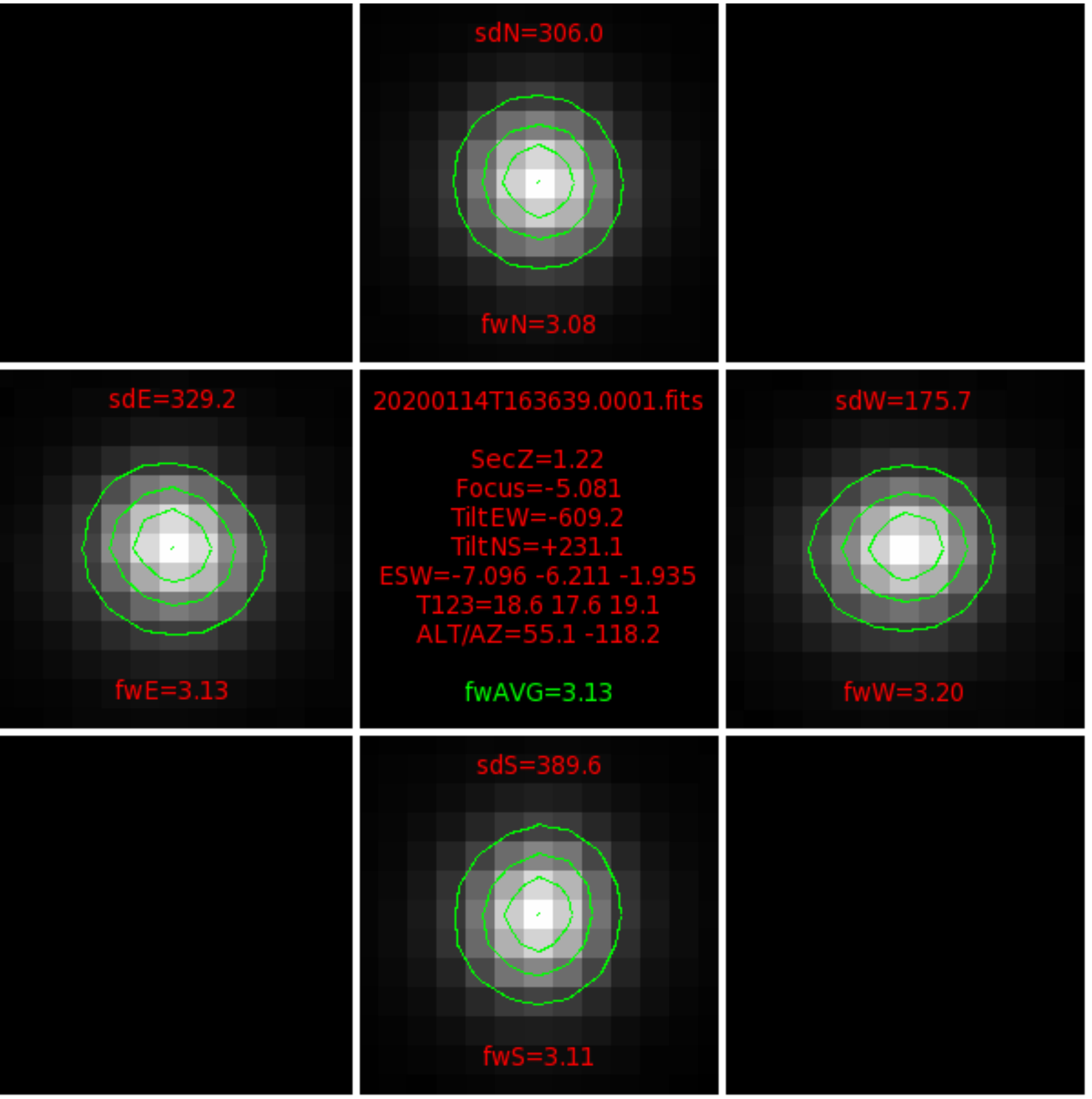
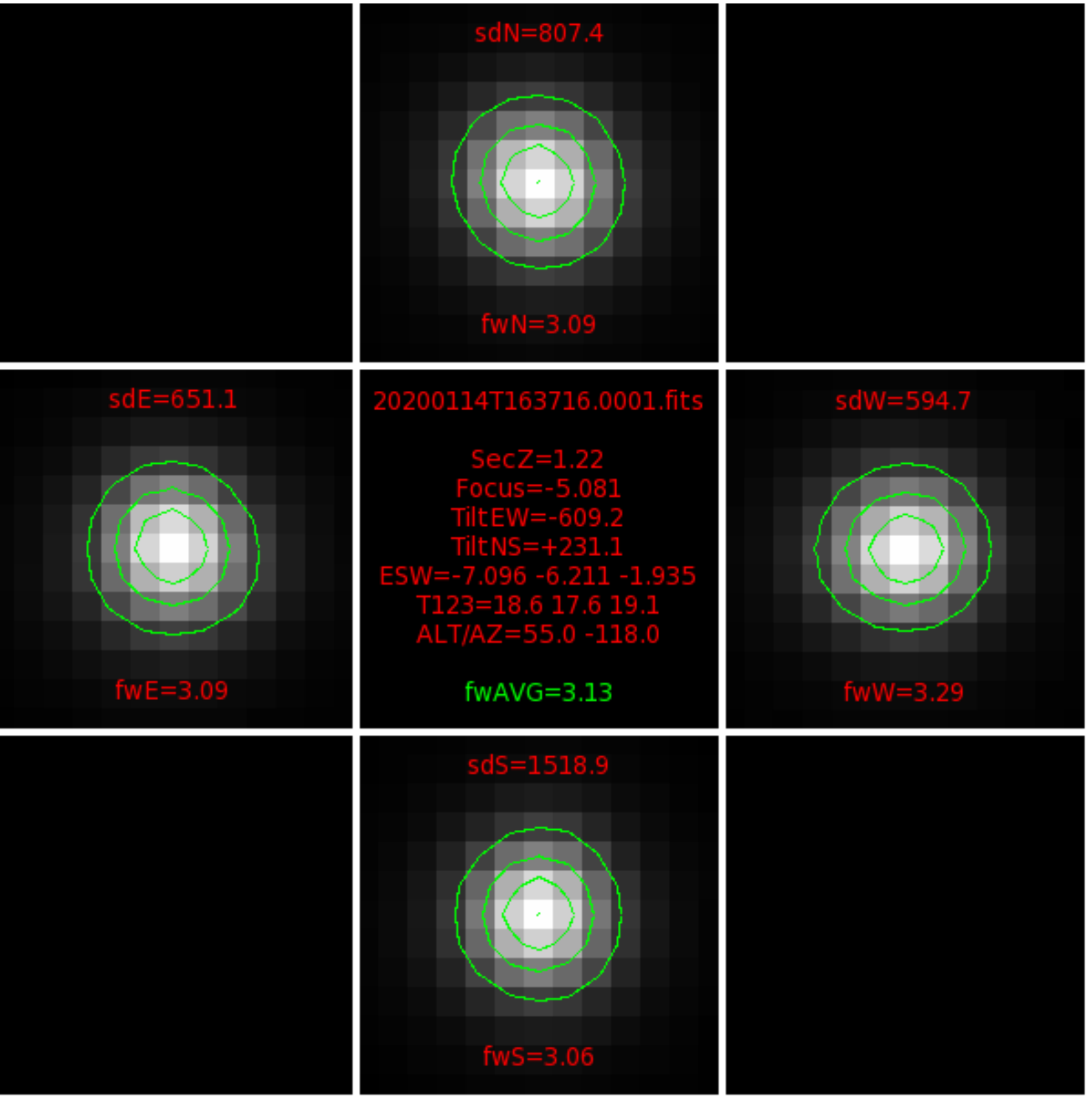

sdN=462.4
fwN=2.84
sdE=441.4
fwE=2.87
20200114T163520.0001.fits
SecZ=1.21
Focus=-5.081
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.096 -6.211 -1.935
T123=18.6 0.0 19.2
ALT/AZ=55.4 -118.6
fwAVG=2.86
sdW=319.3
fwW=2.93
sdS=98.0
fwS=2.82
0 0 0 0 0 0 0 0 0


sdN=306.0
fwN=3.08
sdE=329.2
fwE=3.13
20200114T163639.0001.fits
SecZ=1.22
Focus=-5.081
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.096 -6.211 -1.935
T123=18.6 17.6 19.1
ALT/AZ=55.1 -118.2
fwAVG=3.13
sdW=175.7
fwW=3.20
sdS=389.6
fwS=3.11
0 0 0 0 0 0 0 0 0


sdN=807.4
fwN=3.09
sdE=651.1
fwE=3.09
20200114T163716.0001.fits
SecZ=1.22
Focus=-5.081
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.096 -6.211 -1.935
T123=18.6 17.6 19.1
ALT/AZ=55.0 -118.0
fwAVG=3.13
sdW=594.7
fwW=3.29
sdS=1518.9
fwS=3.06
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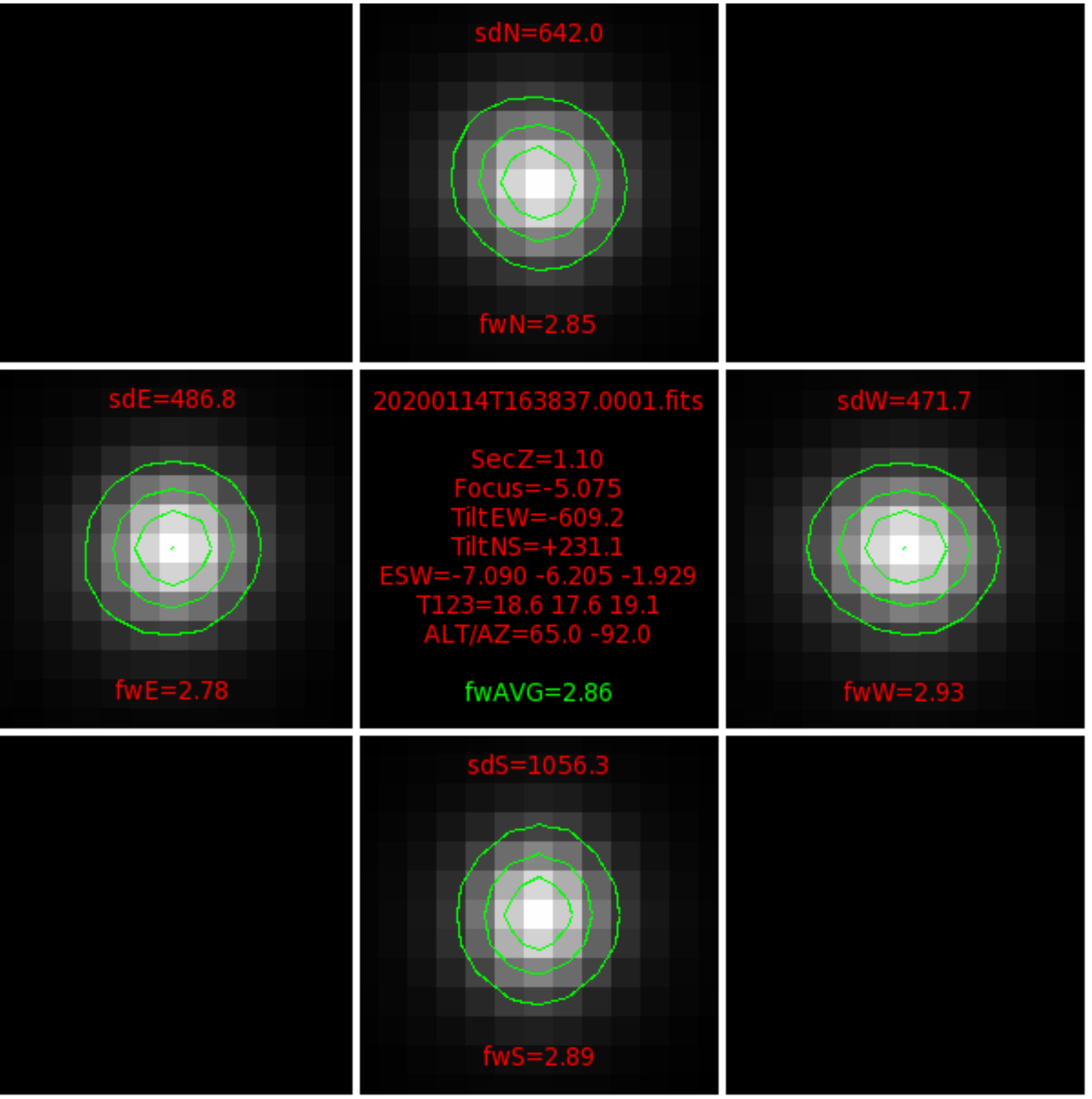
sdN=642.0
fwN=2.85
sdE=486.8
fwE=2.78
20200114T163837.0001.fits
SecZ=1.10
Focus=-5.075
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.090 -6.205 -1.929
T123=18.6 17.6 19.1
ALT/AZ=65.0 -92.0
fwAVG=2.86
sdW=471.7
fwW=2.93
sdS=1056.3
fwS=2.89
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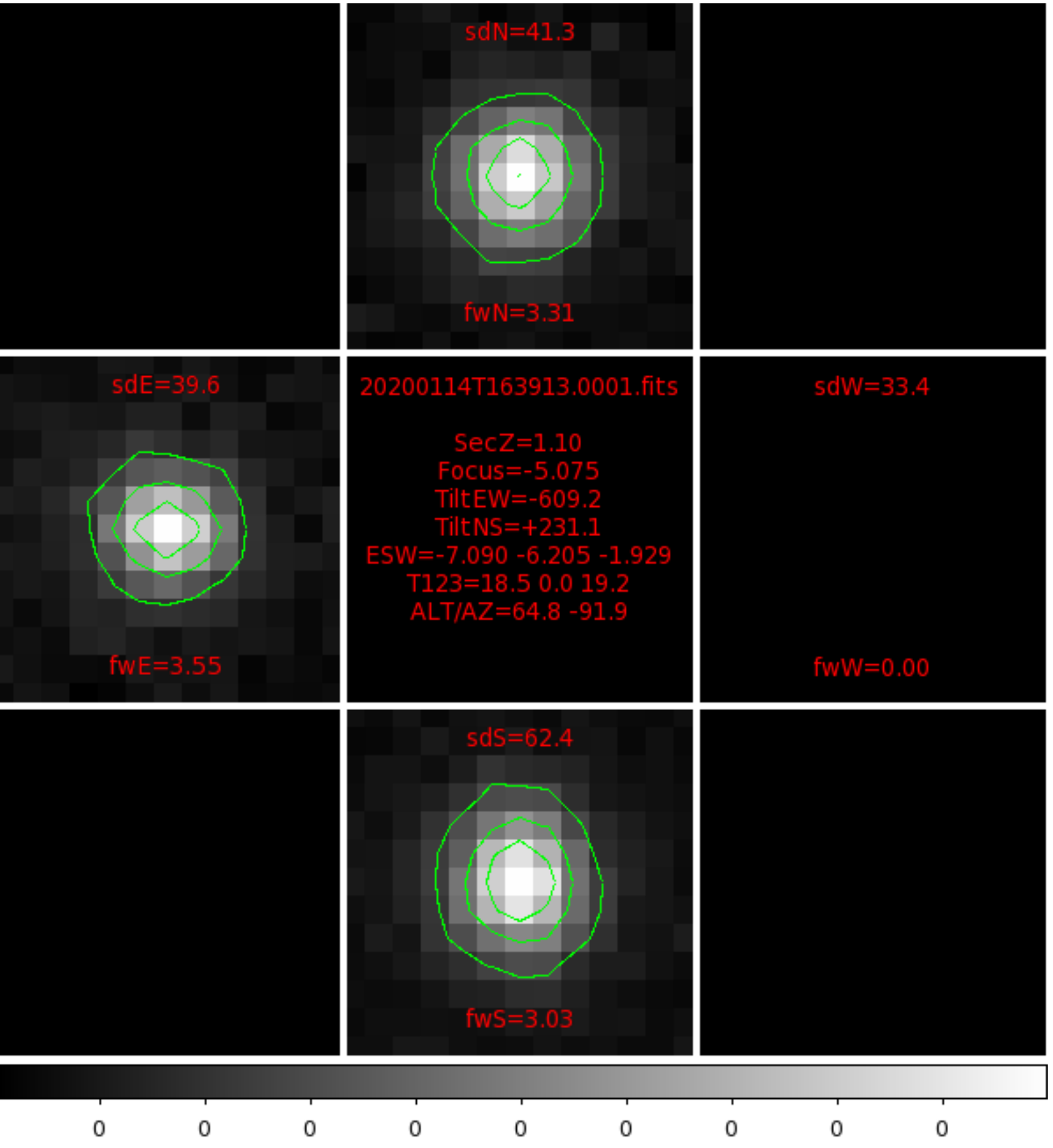
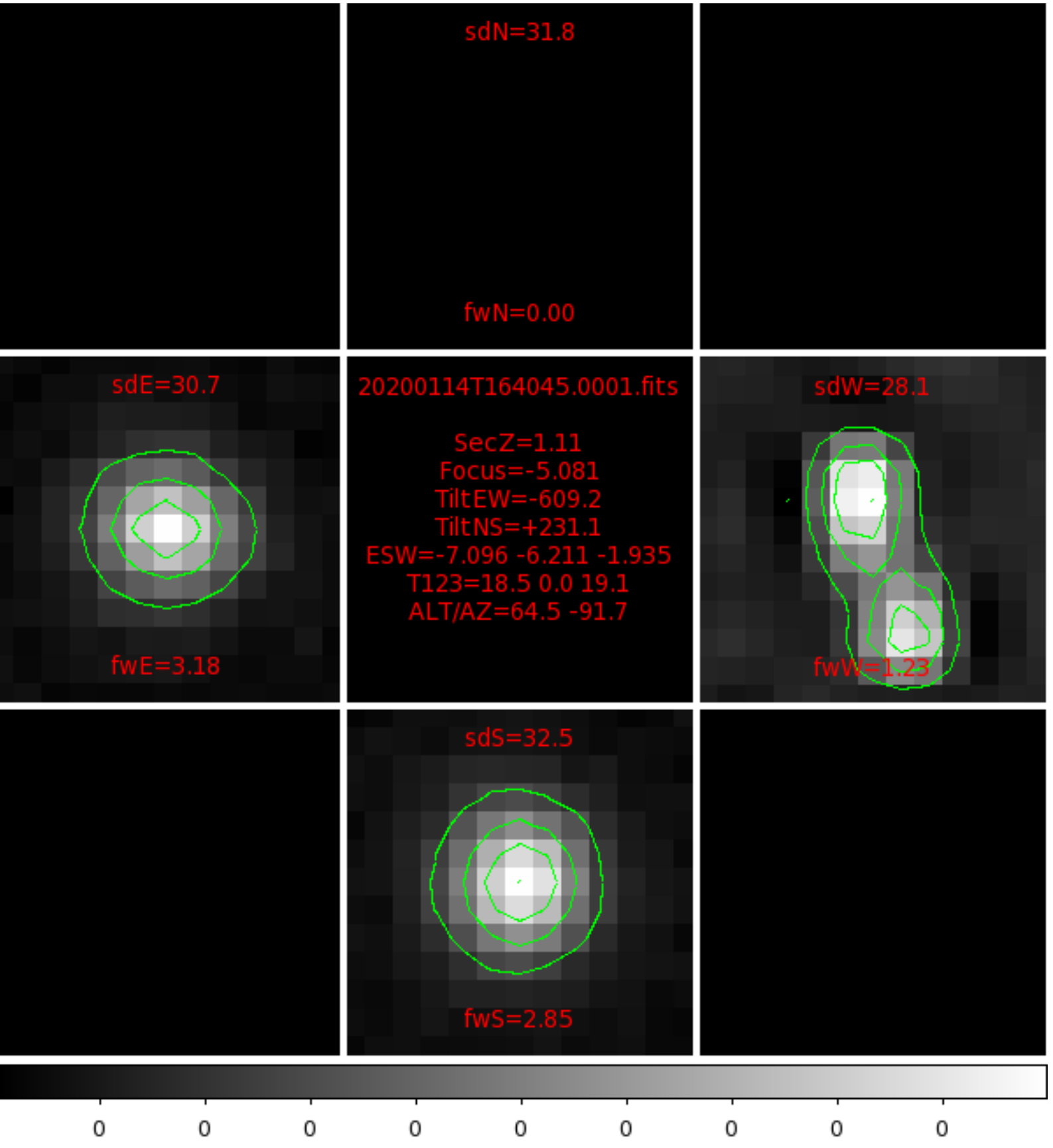
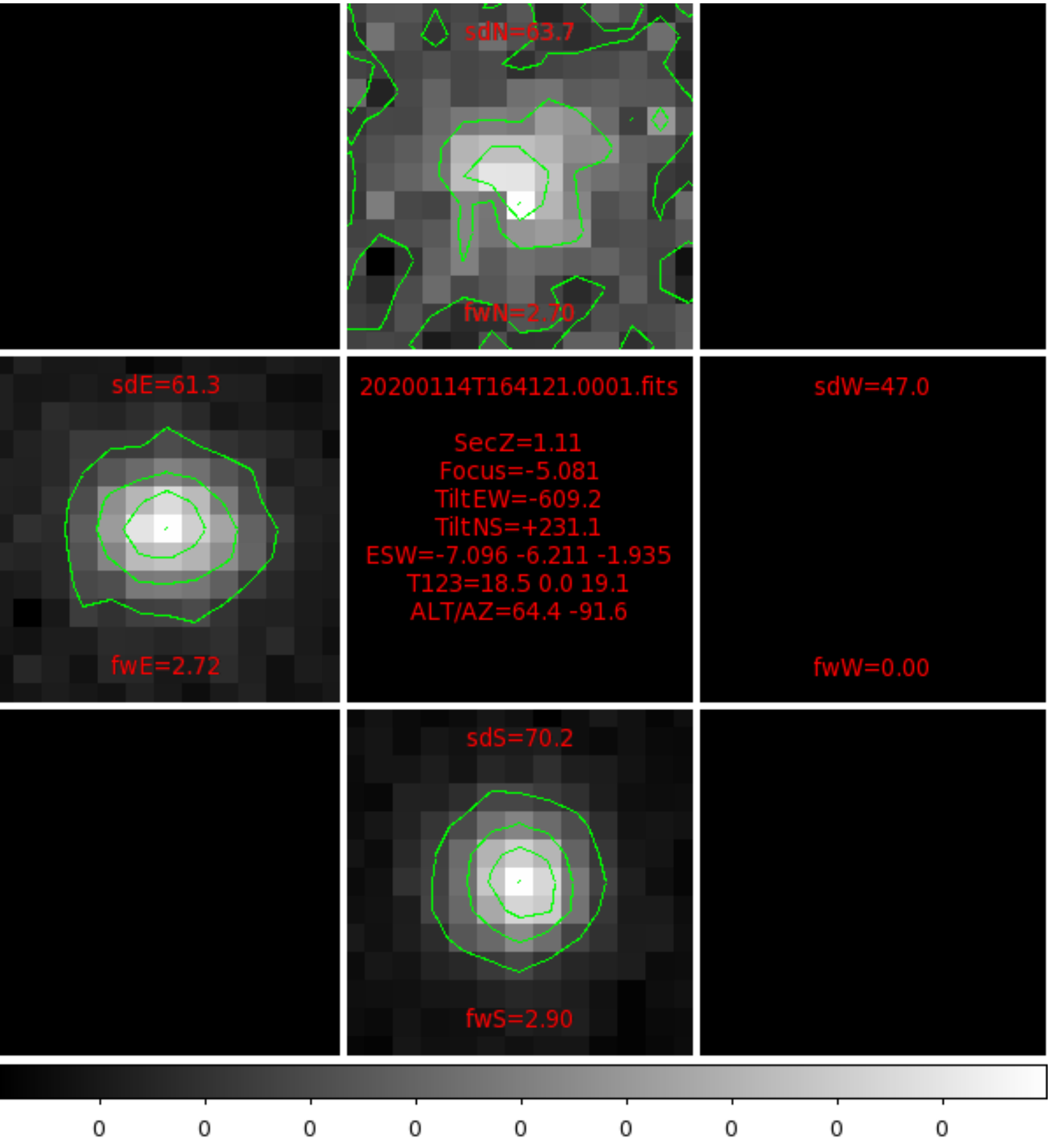
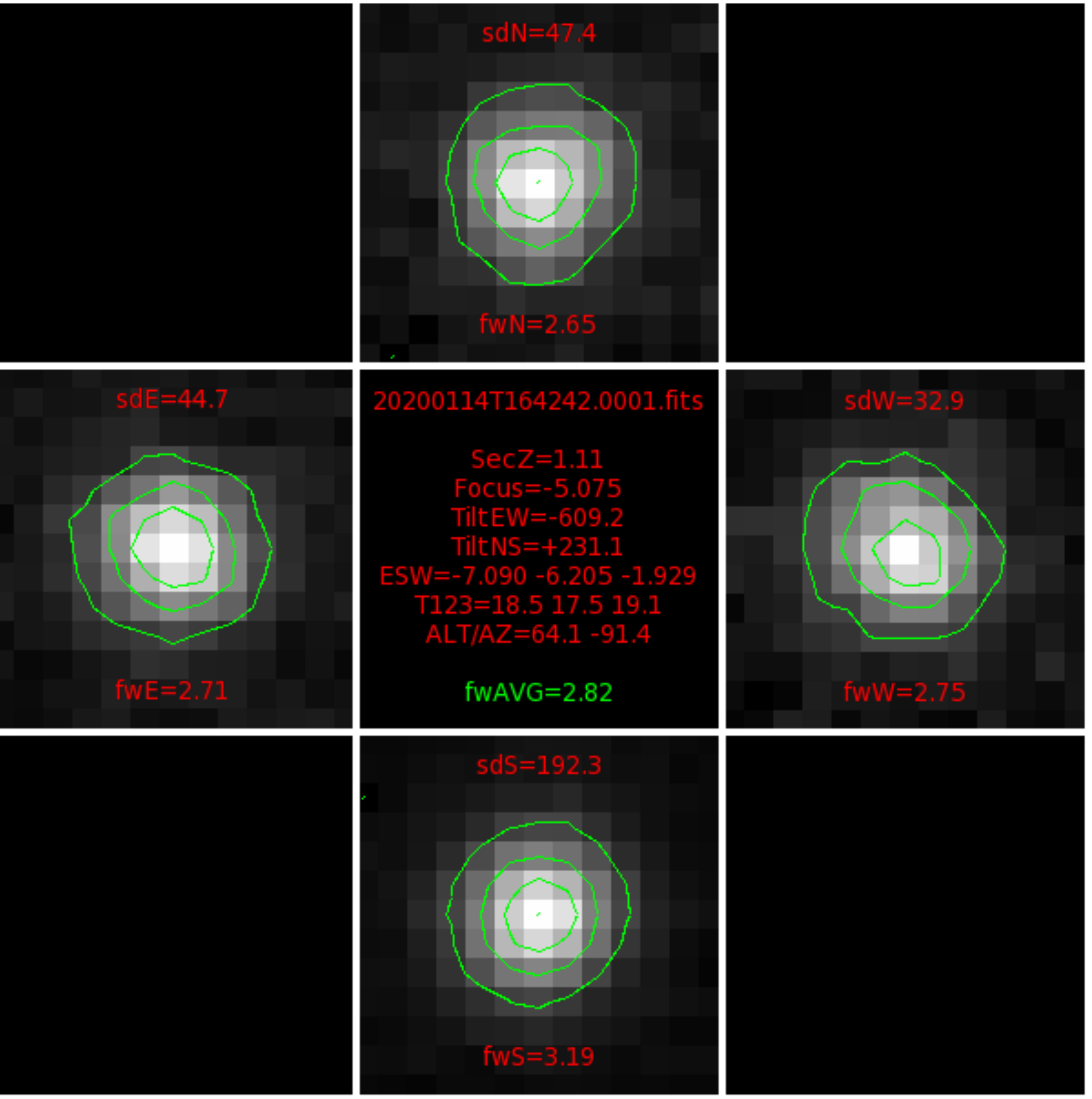

sdN=41.3
fwN=3.31
sdE=39.6
fwE=3.55
20200114T163913.0001.fits
SecZ=1.10
Focus=-5.075
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.090 -6.205 -1.929
T123=18.5 0.0 19.2
ALT/AZ=64.8 -91.9
sdW=33.4
fwW=0.00
sdS=62.4
fwS=3.03
0 0 0 0 0 0 0 0 0


sdN=31.8
fwN=0.00
sdE=30.7
fwE=3.18
20200114T164045.0001.fits
SecZ=1.11
Focus=-5.081
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.096 -6.211 -1.935
T123=18.5 0.0 19.1
ALT/AZ=64.5 -91.7
sdW=28.1
fwW=1.23
sdS=32.5
fwS=2.85
0 0 0 0 0 0 0 0 0


sdN=63.7
fwN=2.70
sdE=61.3
fwE=2.72
20200114T164121.0001.fits
SecZ=1.11
Focus=-5.081
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.096 -6.211 -1.935
T123=18.5 0.0 19.1
ALT/AZ=64.4 -91.6
sdW=47.0
fwW=0.00
sdS=70.2
fwS=2.90
0 0 0 0 0 0 0 0 0


sdN=47.4
fwN=2.65
sdE=44.7
fwE=2.71
20200114T164242.0001.fits
SecZ=1.11
Focus=-5.075
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.090 -6.205 -1.929
T123=18.5 17.5 19.1
ALT/AZ=64.1 -91.4
fwAVG=2.82
sdW=32.9
fwW=2.75
sdS=192.3
fwS=3.19
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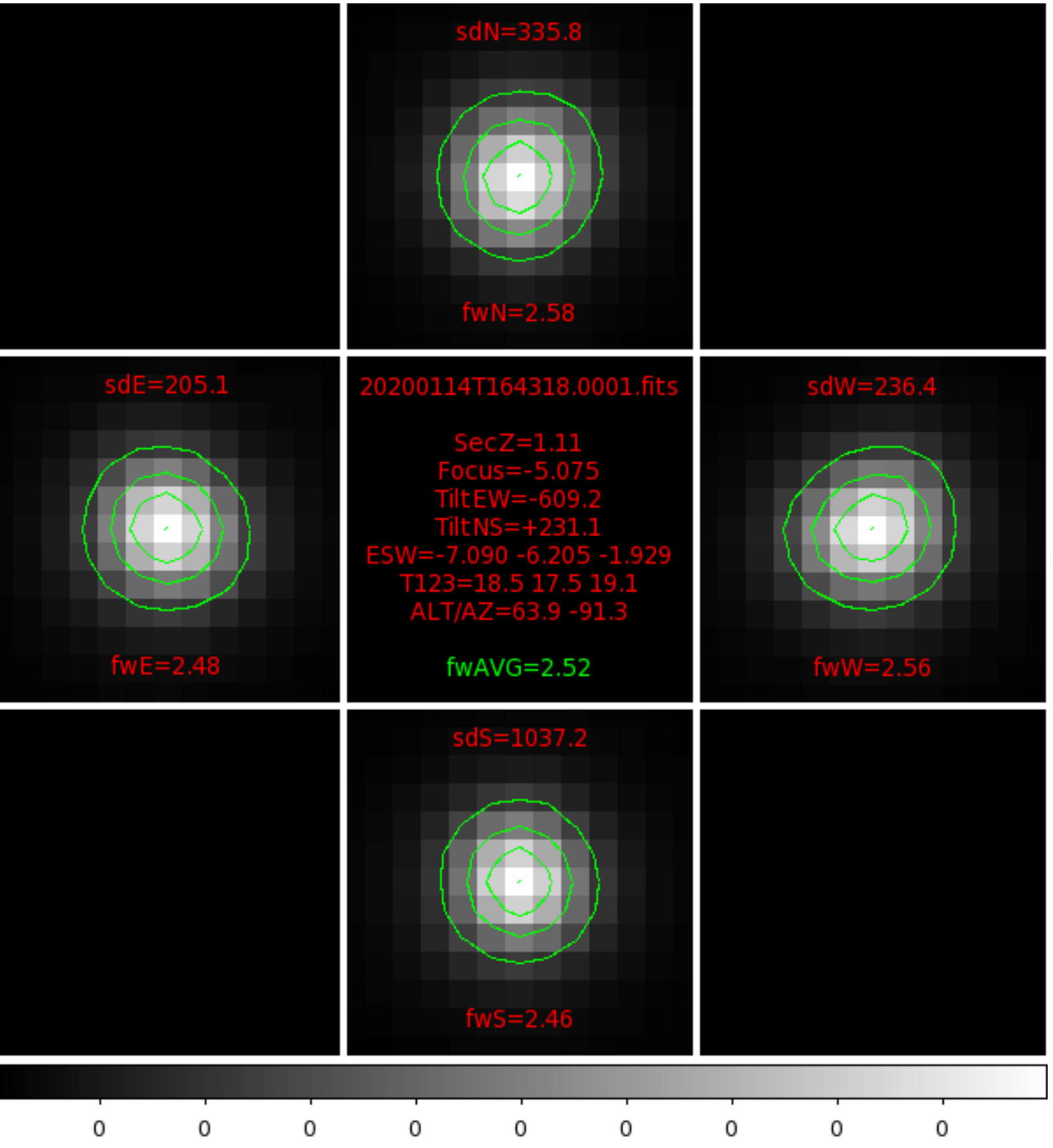
sdN=335.8
fwN=2.58
sdE=205.1
fwE=2.48
20200114T164318.0001.fits
SecZ=1.11
Focus=-5.075
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.090 -6.205 -1.929
T123=18.5 17.5 19.1
ALT/AZ=63.9 -91.3
fwAVG=2.52
sdW=236.4
fwW=2.56
sdS=1037.2
fwS=2.46
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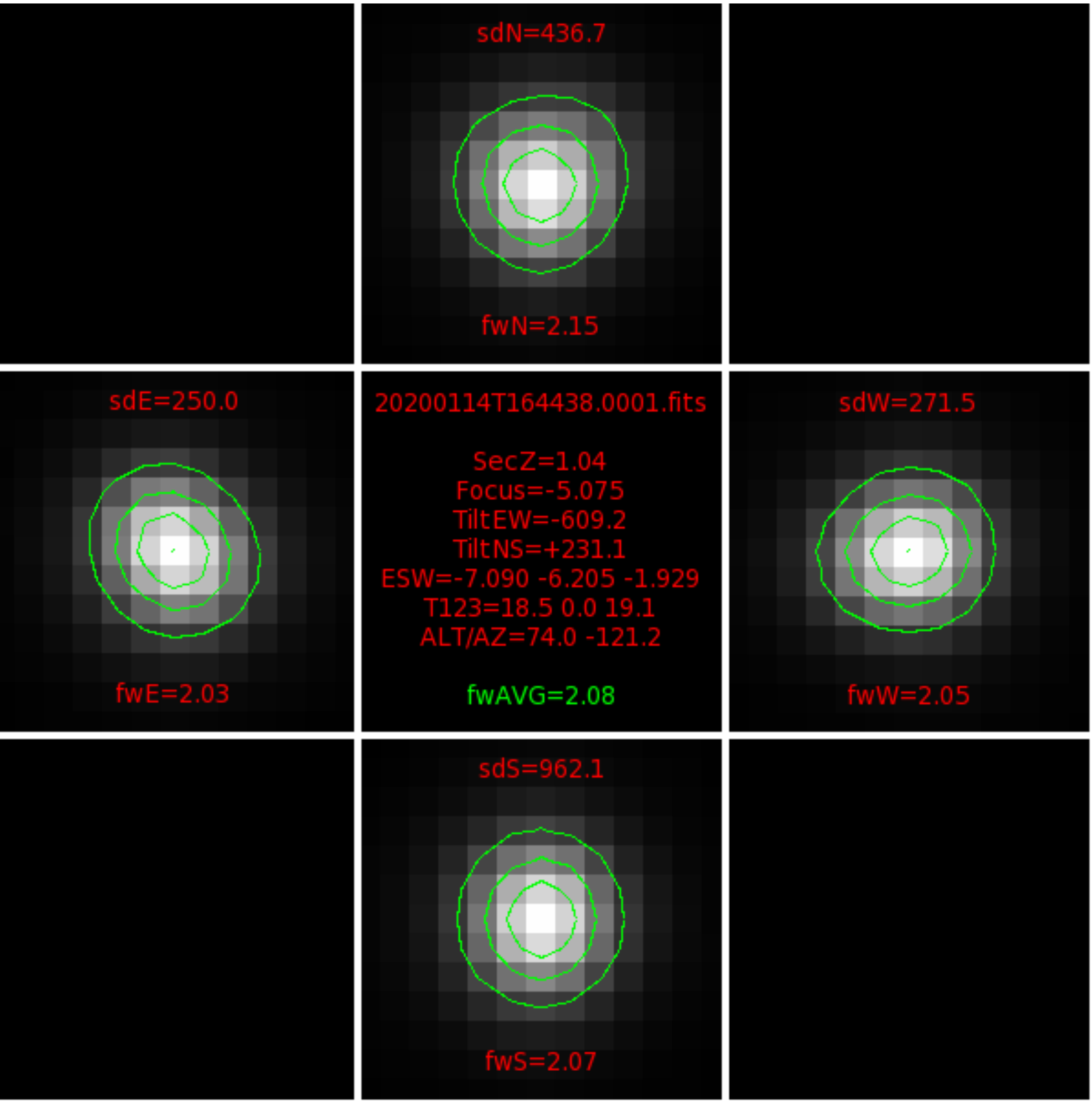
sdN=436.7
fwN=2.15
sdE=250.0
fwE=2.03
20200114T164438.0001.fits
SecZ=1.04
Focus=-5.075
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.090 -6.205 -1.929
T123=18.5 0.0 19.1
ALT/AZ=74.0 -121.2
fwAVG=2.08
sdW=271.5
fwW=2.05
sdS=962.1
fwS=2.07
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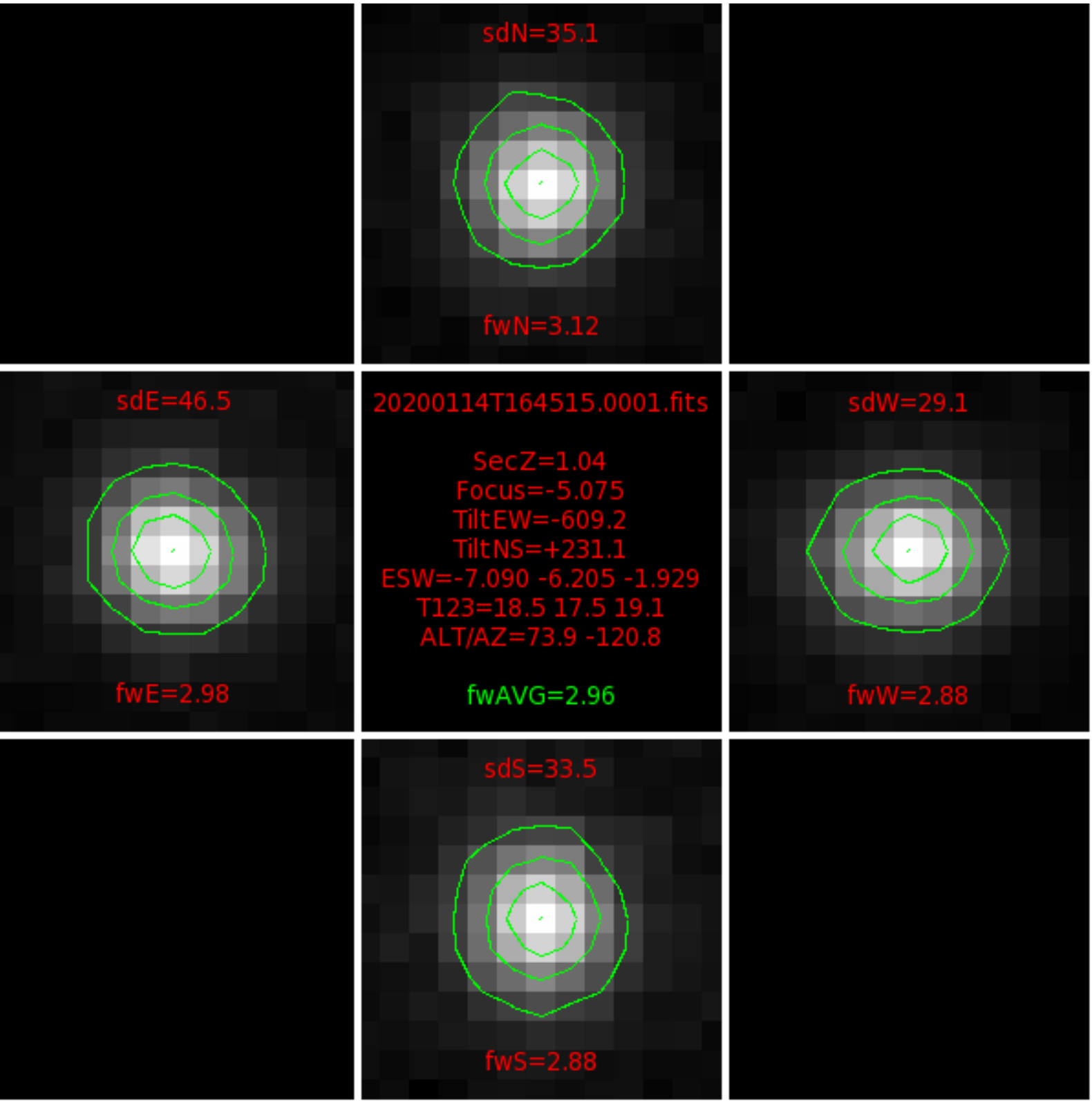
sdN=35.1
fwN=3.12
sdE=46.5
fwE=2.98
20200114T164515.0001.fits
SecZ=1.04
Focus=-5.075
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.090 -6.205 -1.929
T123=18.5 17.5 19.1
ALT/AZ=73.9 -120.8
fwAVG=2.96
sdW=29.1
fwW=2.88
sdS=33.5
fwS=2.88
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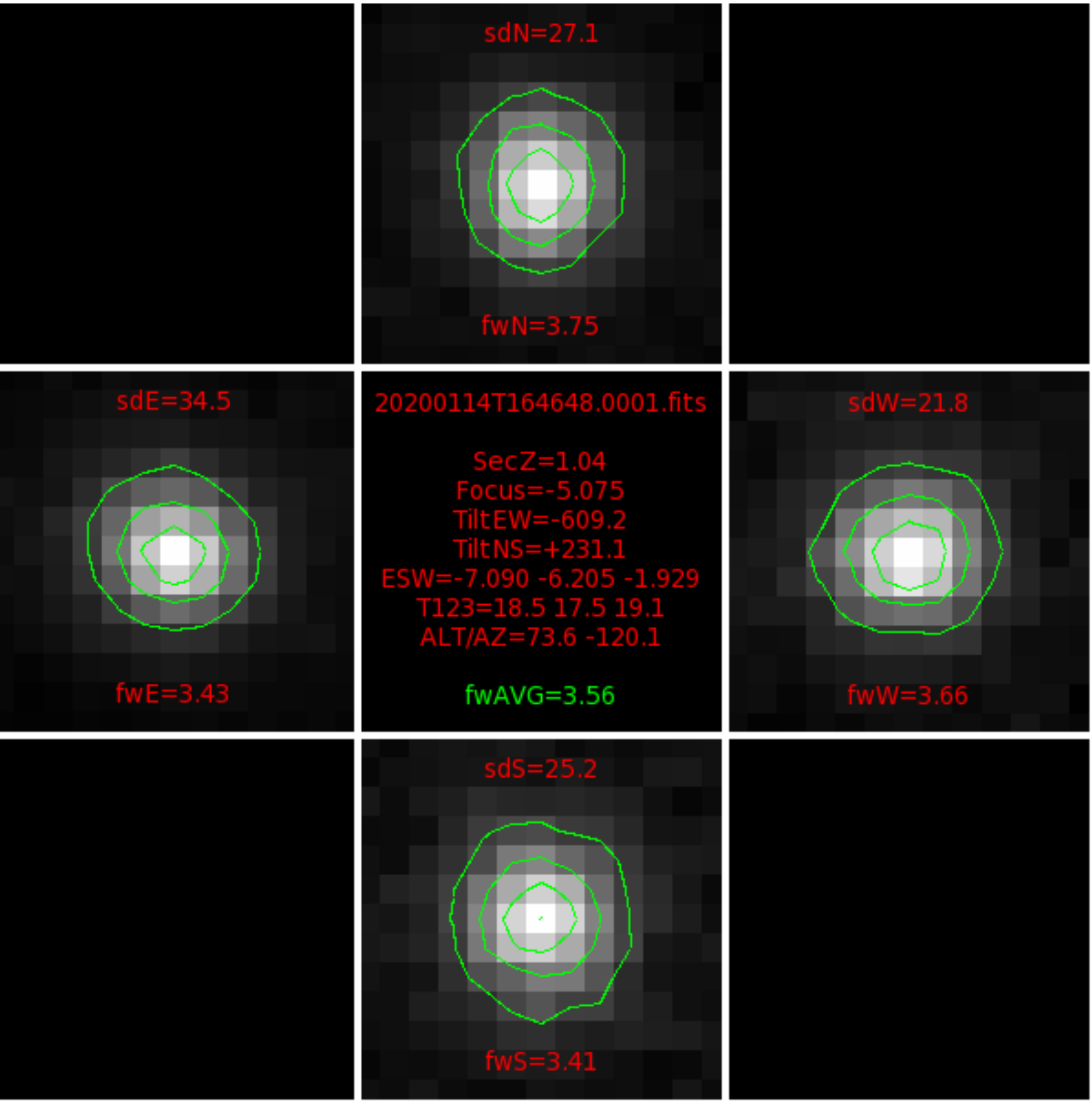
sdN=27.1
fwN=3.75
sdE=34.5
fwE=3.43
20200114T164648.0001.fits
SecZ=1.04
Focus=-5.075
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.090 -6.205 -1.929
T123=18.5 17.5 19.1
ALT/AZ=73.6 -120.1
fwAVG=3.56
sdW=21.8
fwW=3.66
sdS=25.2
fwS=3.41
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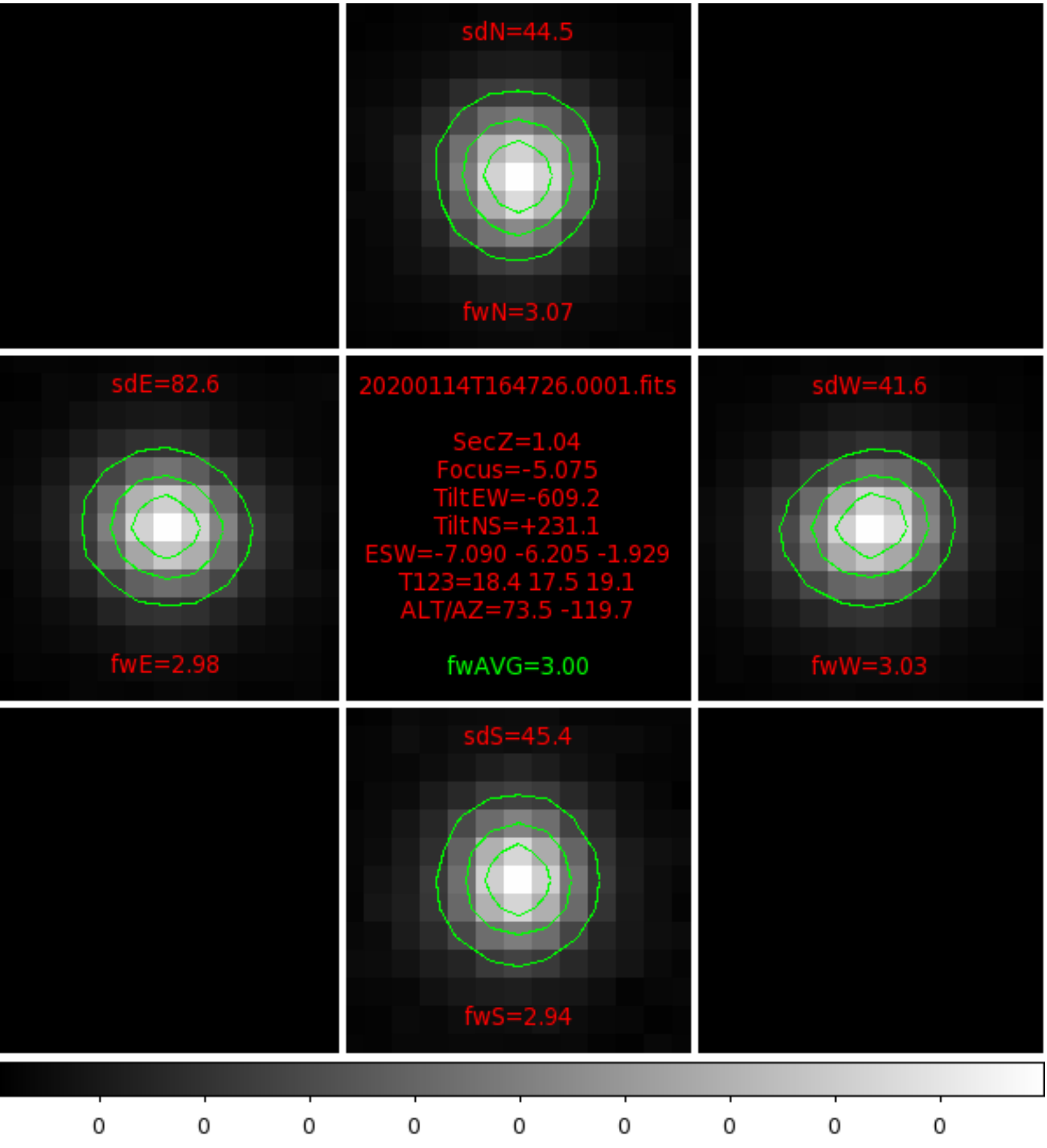
sdN=44.5
fwN=3.07
sdE=82.6
fwE=2.98
20200114T164726.0001.fits
SecZ=1.04
Focus=-5.075
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.090 -6.205 -1.929
T123=18.4 17.5 19.1
ALT/AZ=73.5 -119.7
fwAVG=3.00
sdW=41.6
fwW=3.03
sdS=45.4
fwS=2.94
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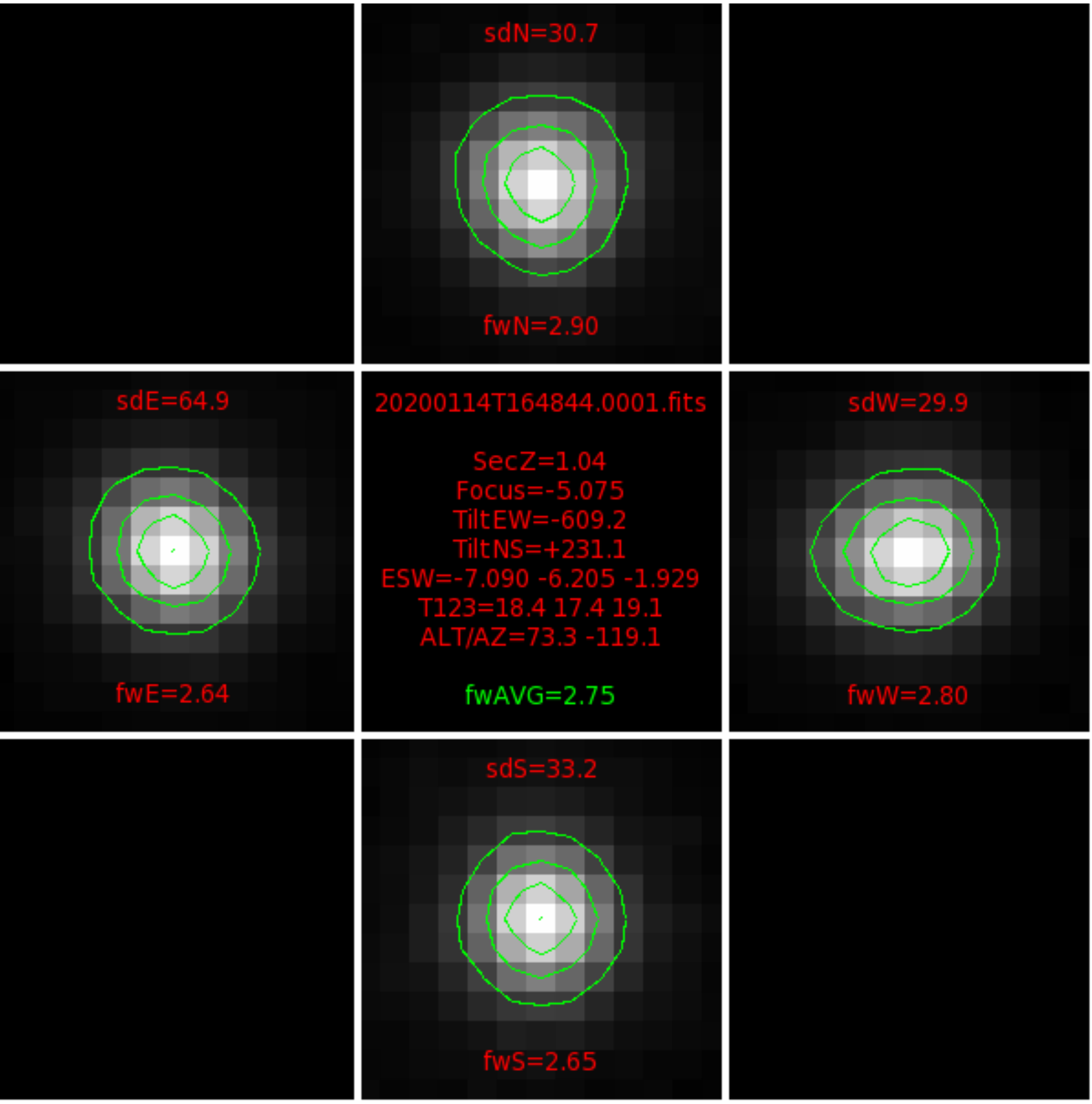
sdN=30.7
fwN=2.90
sdE=64.9
fwE=2.64
20200114T164844.0001.fits
SecZ=1.04
Focus=-5.075
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.090 -6.205 -1.929
T123=18.4 17.4 19.1
ALT/AZ=73.3 -119.1
fwAVG=2.75
sdW=29.9
fwW=2.80
sdS=33.2
fwS=2.65
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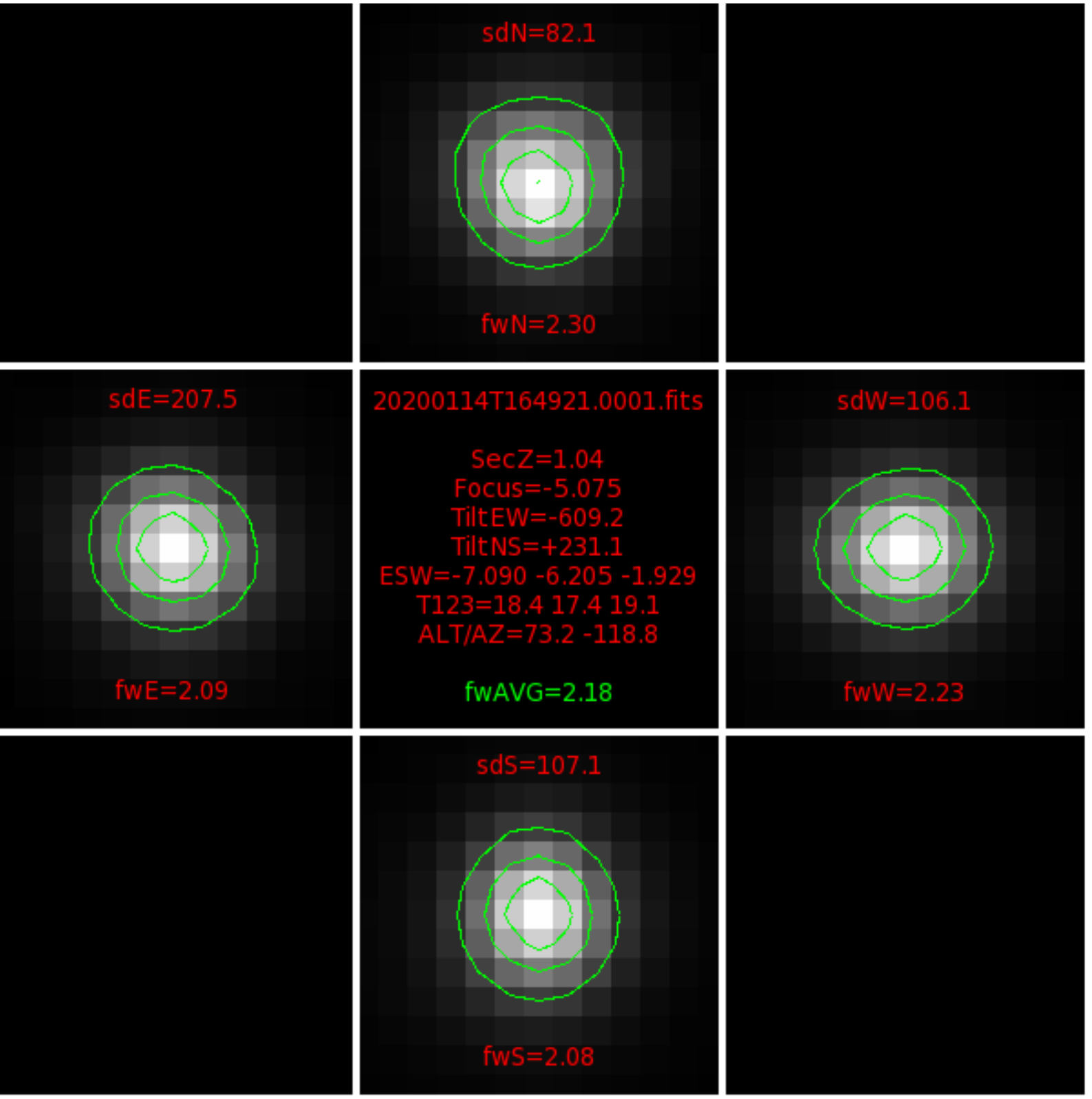
sdN=82.1
fwN=2.30
sdE=207.5
fwE=2.09
20200114T164921.0001.fits
SecZ=1.04
Focus=-5.075
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.090 -6.205 -1.929
T123=18.4 17.4 19.1
ALT/AZ=73.2 -118.8
fwAVG=2.18
sdW=106.1
fwW=2.23
sdS=107.1
fwS=2.08
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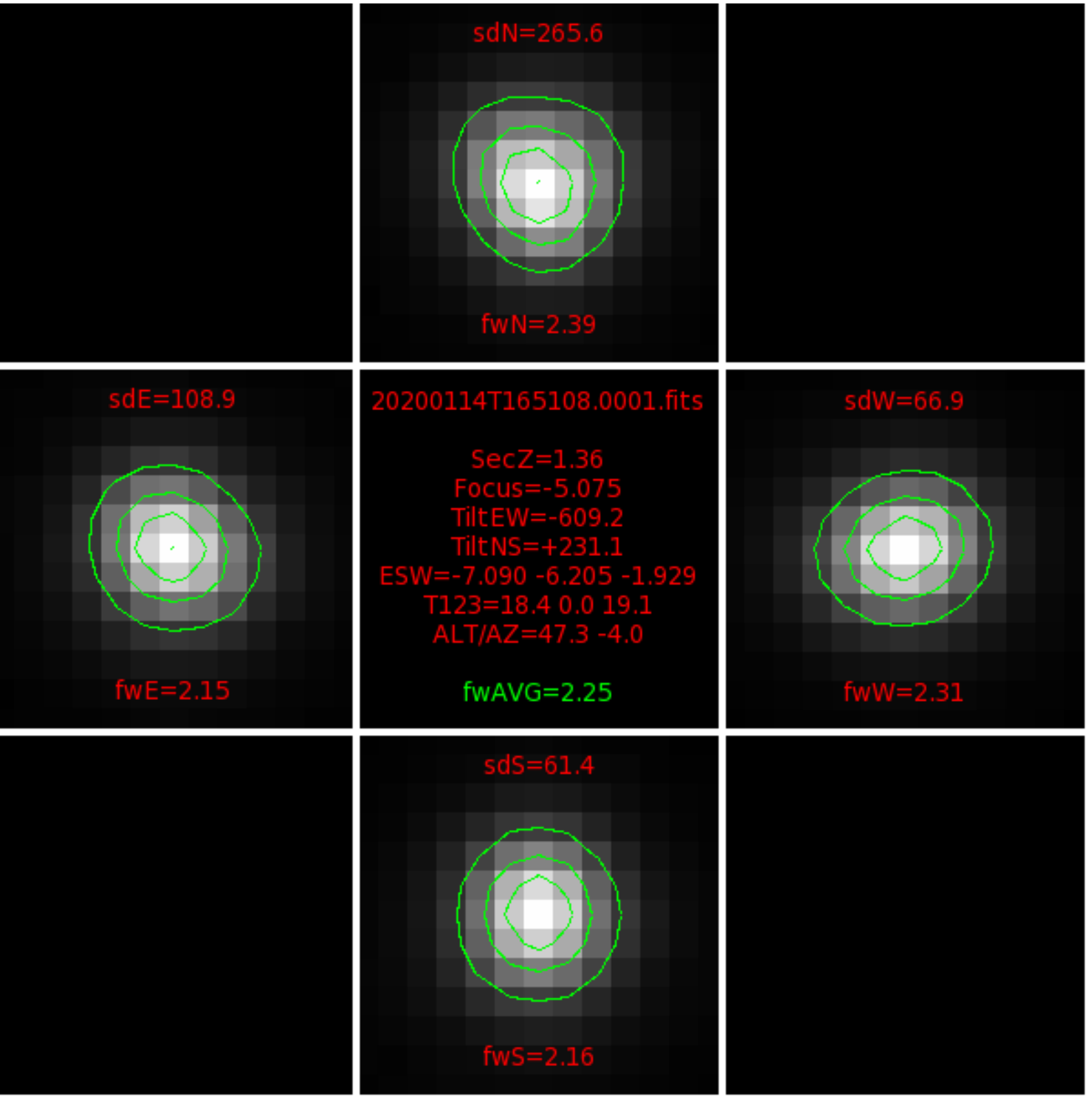
sdN=265.6
fwN=2.39
sdE=108.9
fwE=2.15
20200114T165108.0001.fits
SecZ=1.36
Focus=-5.075
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.090 -6.205 -1.929
T123=18.4 0.0 19.1
ALT/AZ=47.3 -4.0
fwAVG=2.25
sdW=66.9
fwW=2.31
sdS=61.4
fwS=2.16
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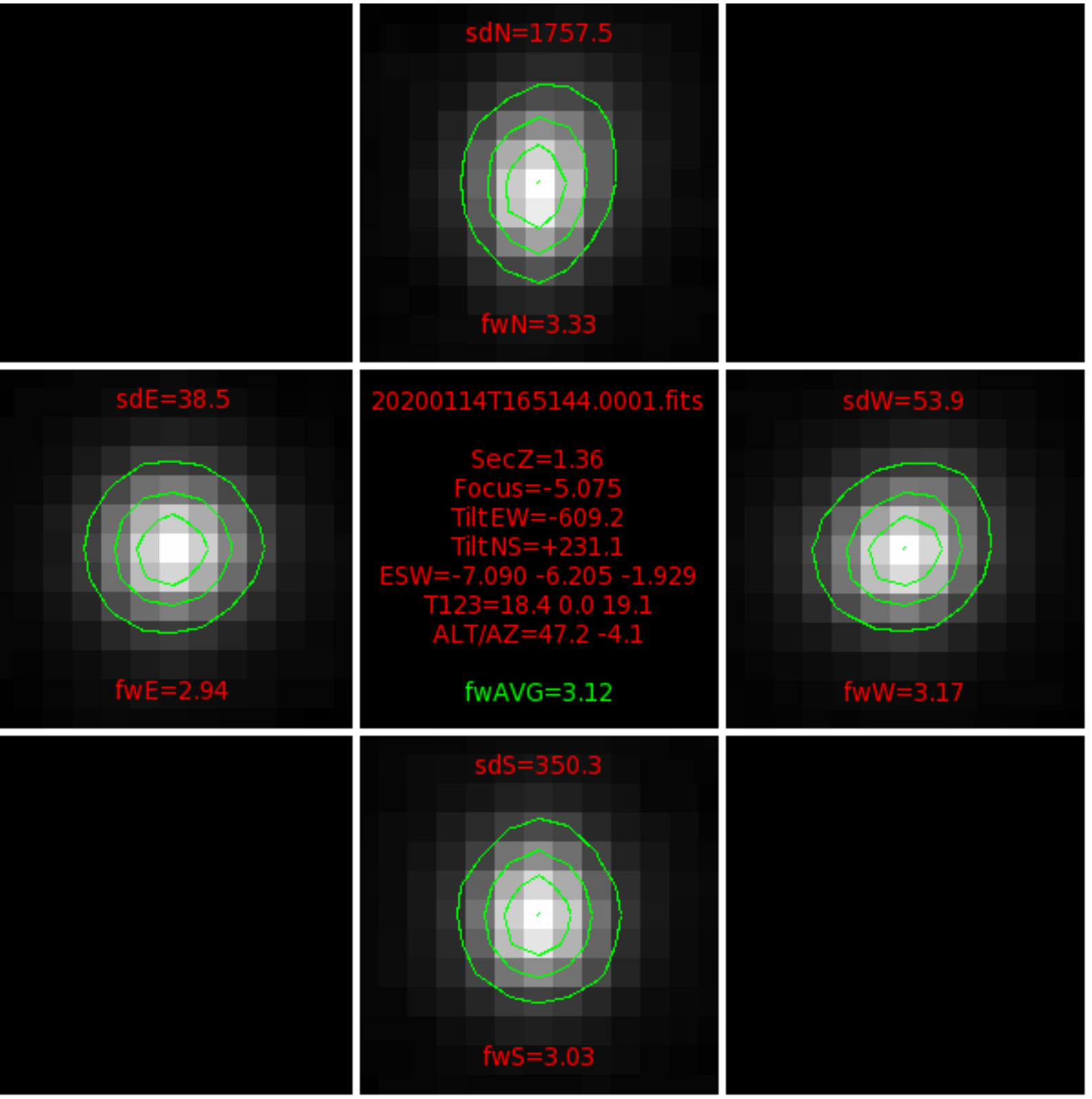
sdN=1757.5
fwN=3.33
sdE=38.5
fwE=2.94
20200114T165144.0001.fits
SecZ=1.36
Focus=-5.075
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.090 -6.205 -1.929
T123=18.4 0.0 19.1
ALT/AZ=47.2 -4.1
fwAVG=3.12
sdW=53.9
fwW=3.17
sdS=350.3
fwS=3.03
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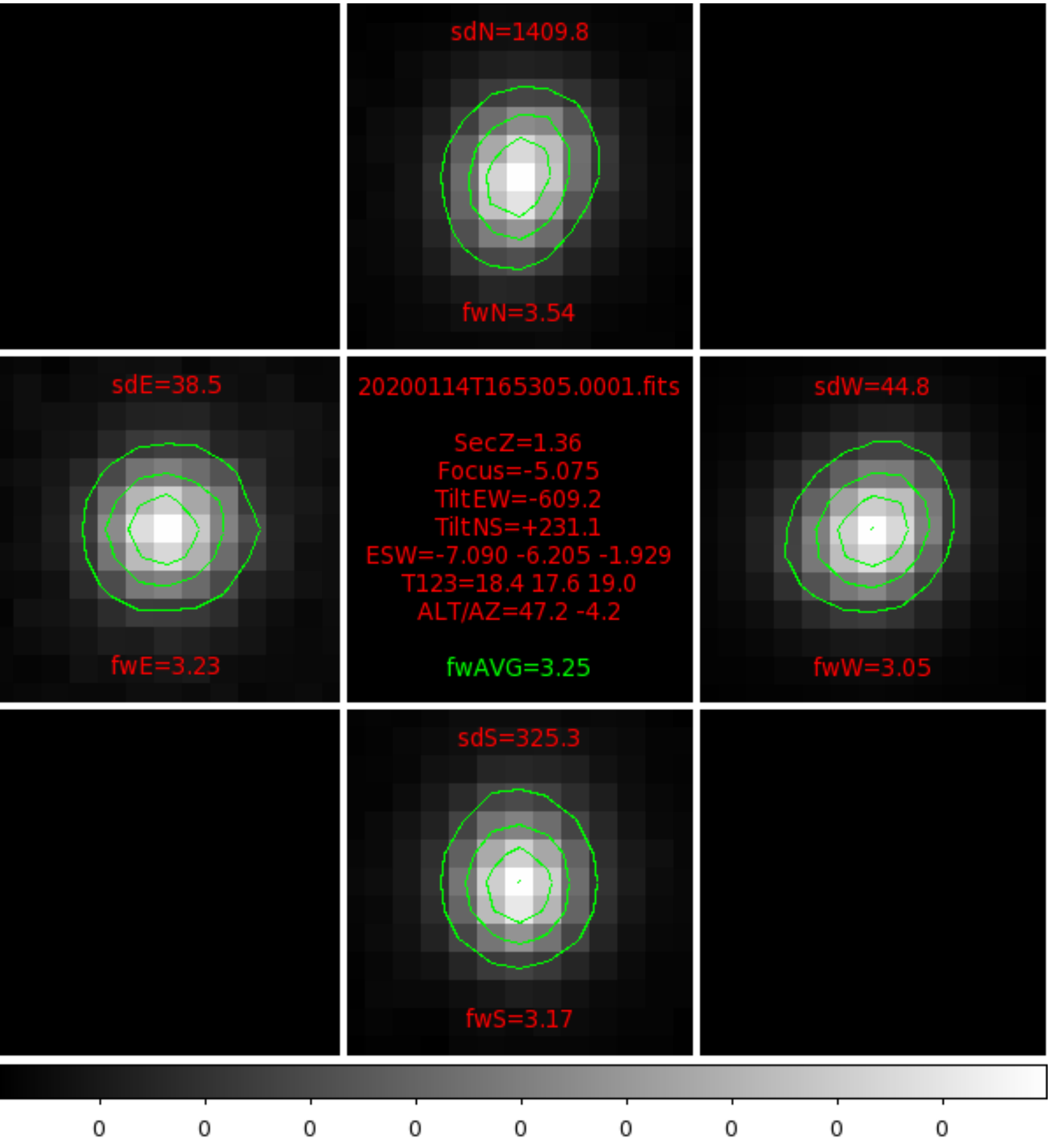
sdN=1409.8
fwN=3.54
sdE=38.5
fwE=3.23
20200114T165305.0001.fits
SecZ=1.36
Focus=-5.075
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.090 -6.205 -1.929
T123=18.4 17.6 19.0
ALT/AZ=47.2 -4.2
fwAVG=3.25
sdW=44.8
fwW=3.05
sdS=325.3
fwS=3.17
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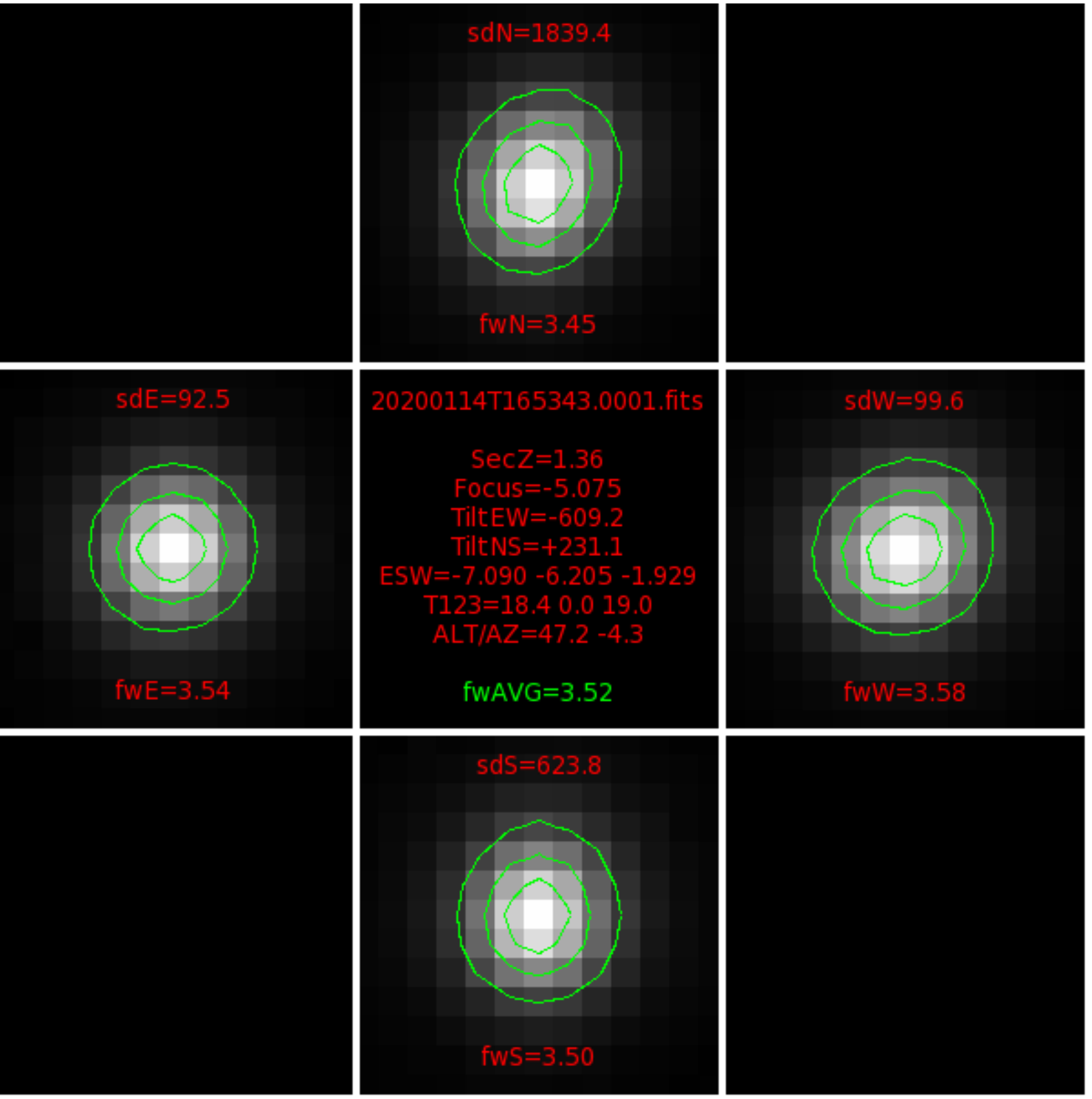
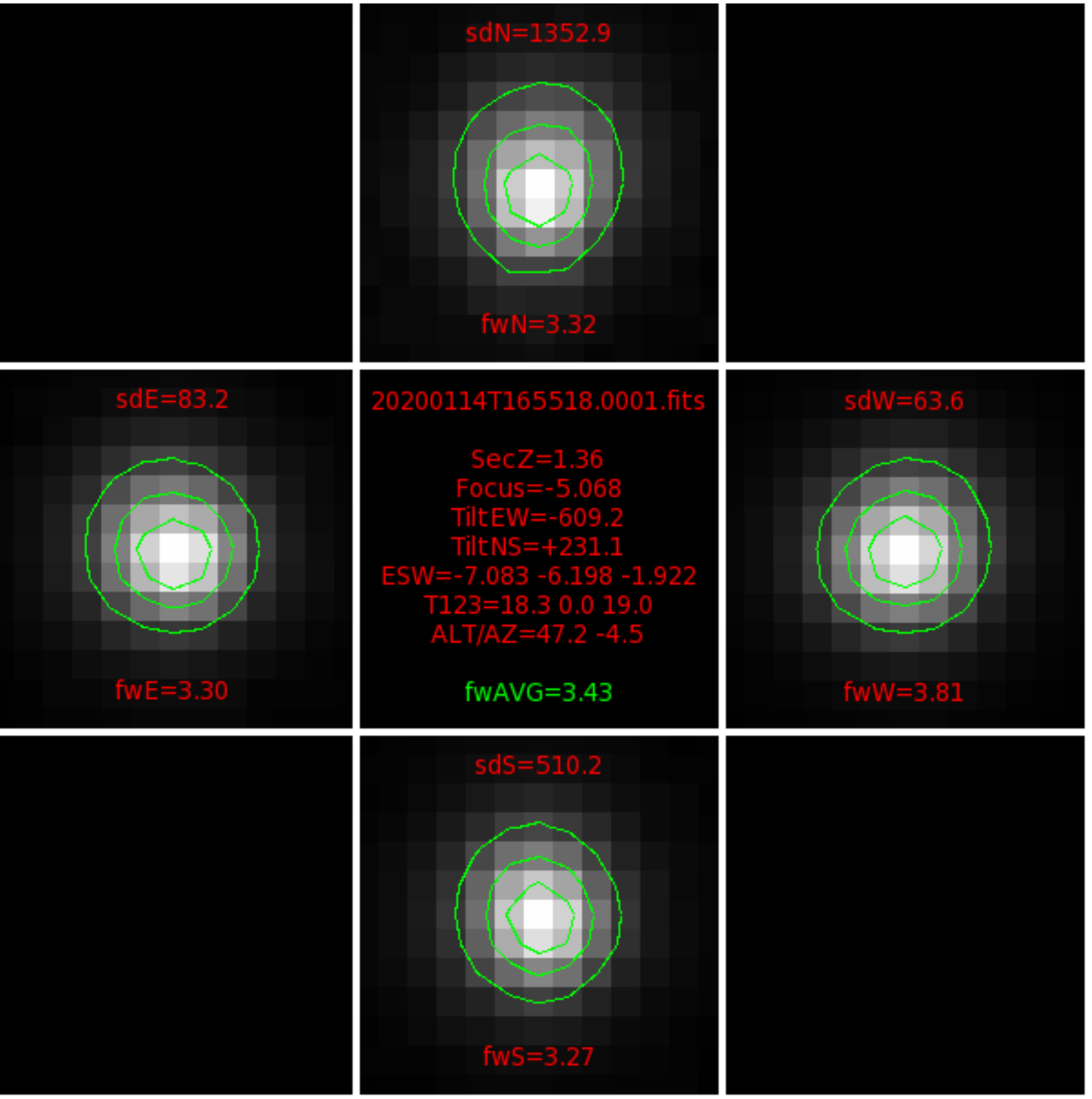

sdN=1839.4
fwN=3.45
sdE=92.5
fwE=3.54
20200114T165343.0001.fits
SecZ=1.36
Focus=-5.075
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.090 -6.205 -1.929
T123=18.4 0.0 19.0
ALT/AZ=47.2 -4.3
fwAVG=3.52
sdW=99.6
fwW=3.58
sdS=623.8
fwS=3.50
0 0 0 0 0 0 0 0 0


sdN=1352.9
fwN=3.32
sdE=83.2
fwE=3.30
20200114T165518.0001.fits
SecZ=1.36
Focus=-5.068
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.083 -6.198 -1.922
T123=18.3 0.0 19.0
ALT/AZ=47.2 -4.5
fwAVG=3.43
sdW=63.6
fwW=3.81
sdS=510.2
fwS=3.27
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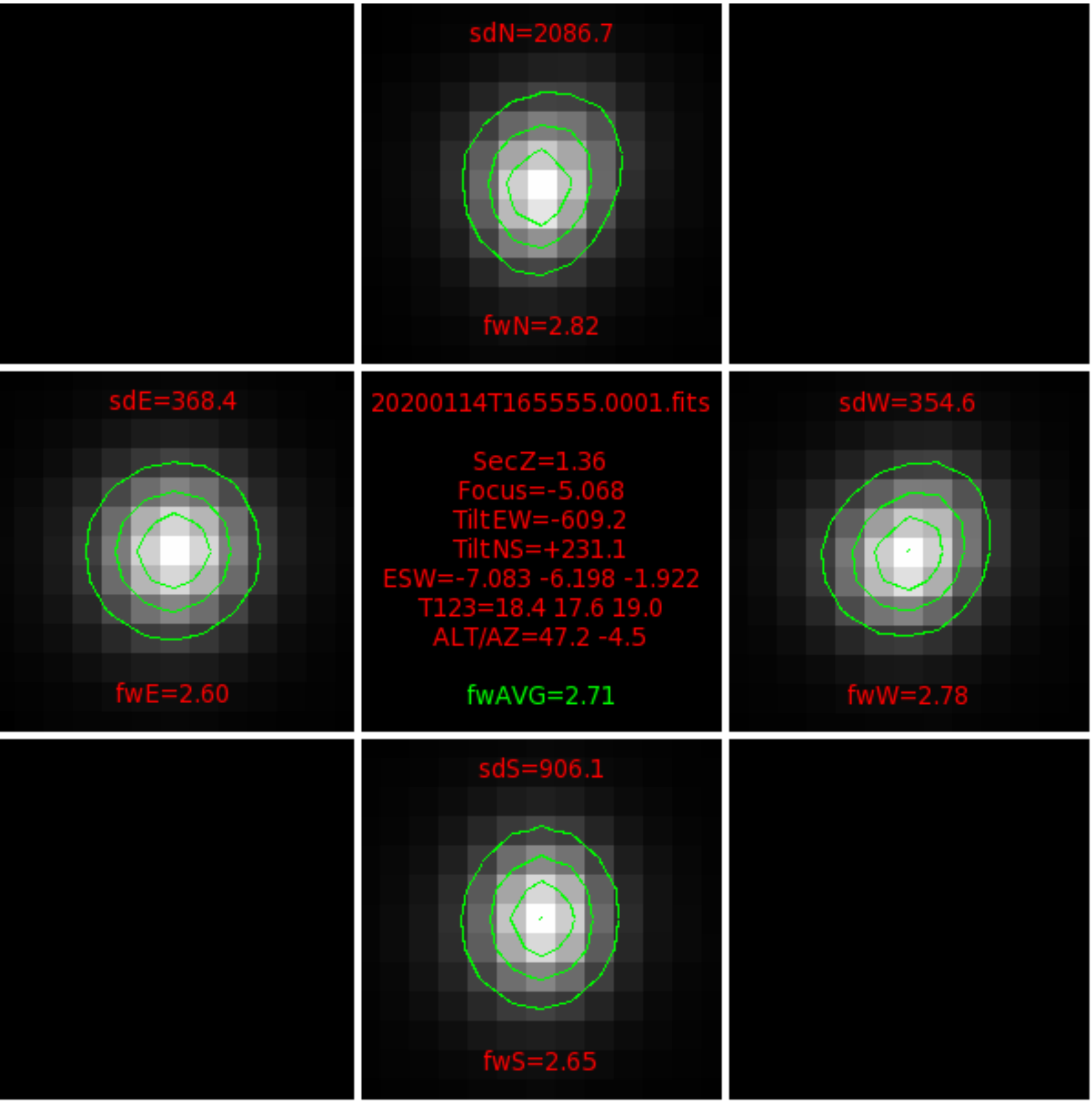
sdN=2086.7
fwN=2.82
sdE=368.4
fwE=2.60
20200114T165555.0001.fits
SecZ=1.36
Focus=-5.068
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.083 -6.198 -1.922
T123=18.4 17.6 19.0
ALT/AZ=47.2 -4.5
fwAVG=2.71
sdW=354.6
fwW=2.78
sdS=906.1
fwS=2.65
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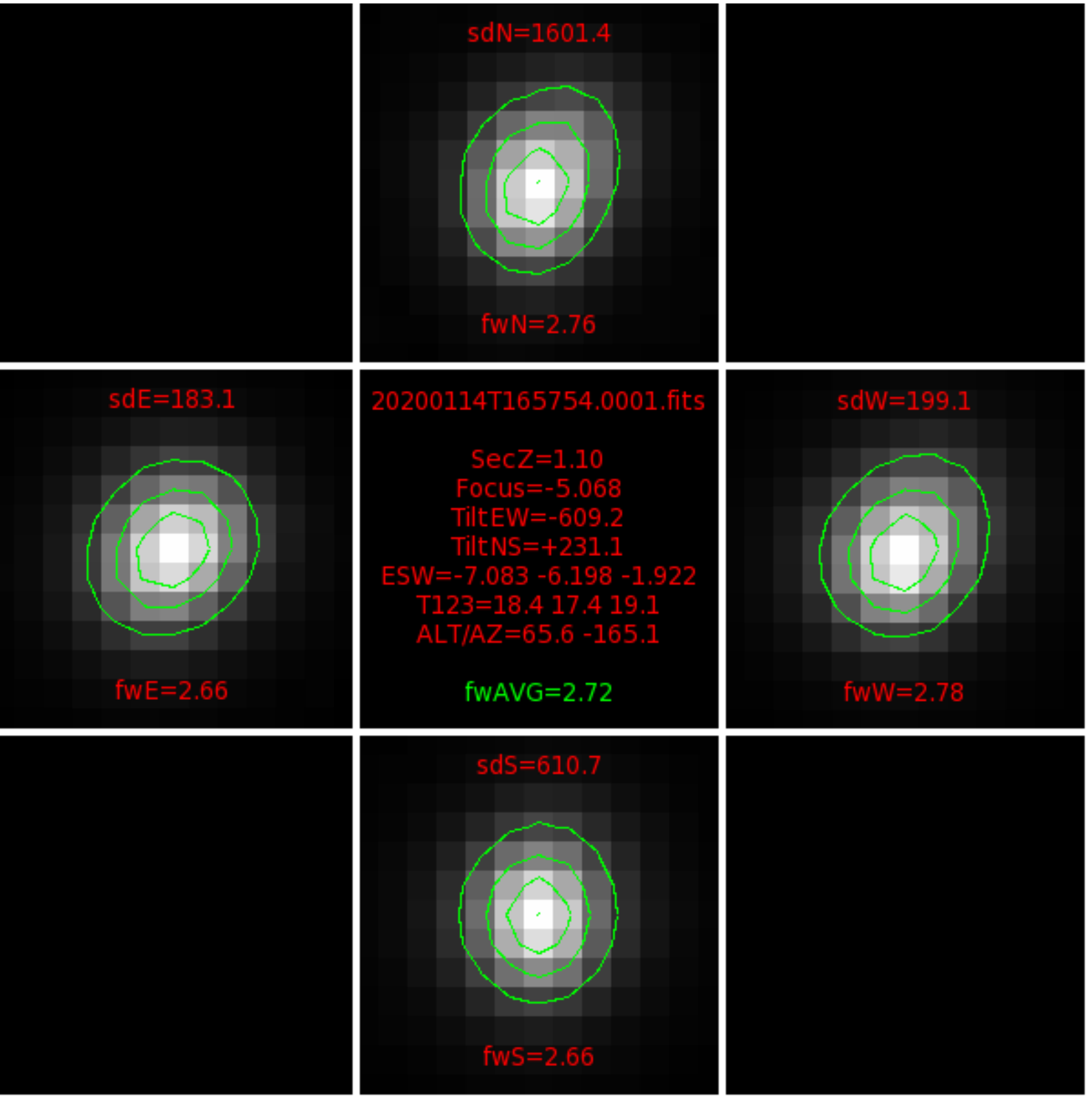
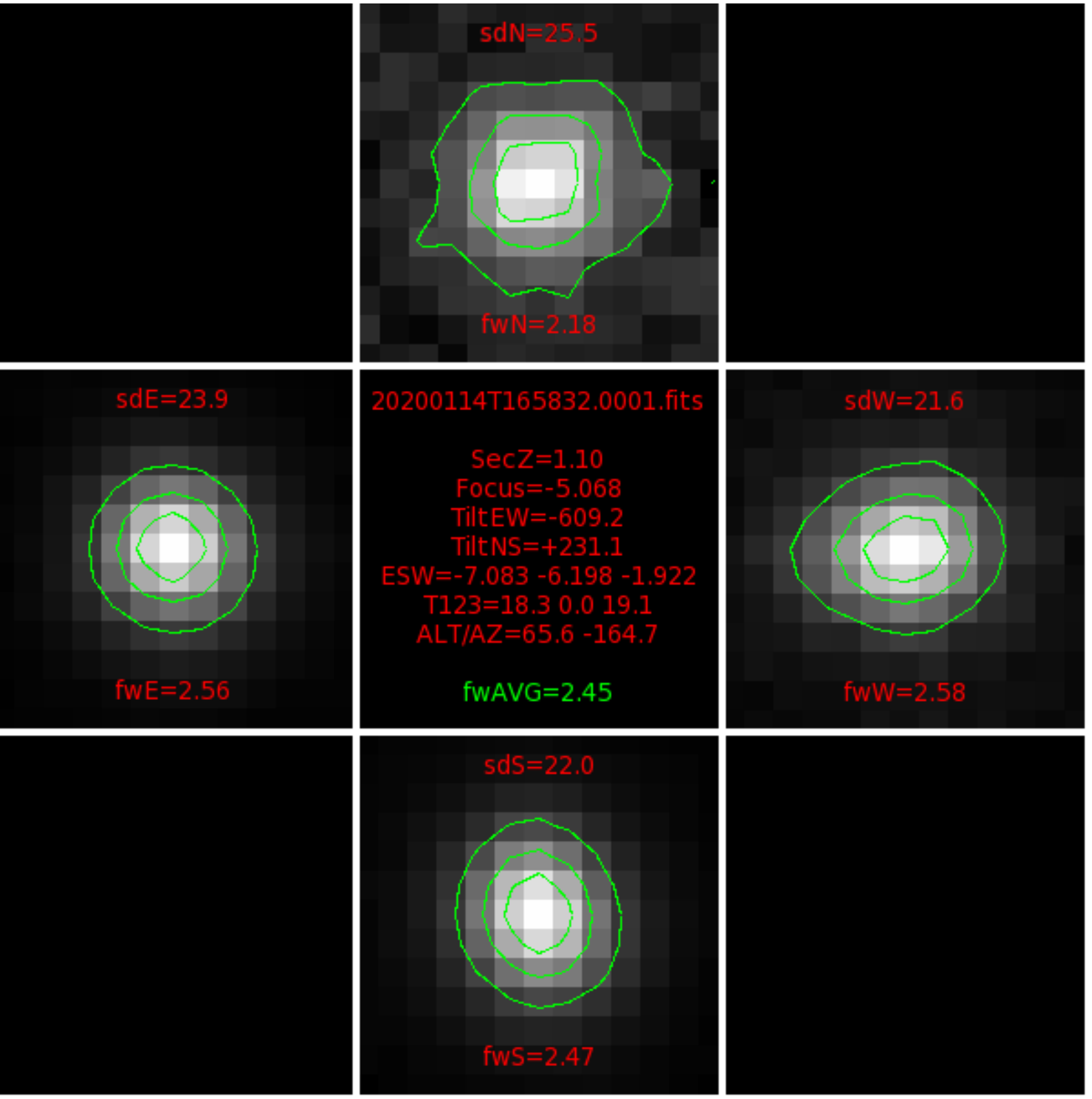

sdN=1601.4
fwN=2.76
sdE=183.1
fwE=2.66
20200114T165754.0001.fits
SecZ=1.10
Focus=-5.068
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.083 -6.198 -1.922
T123=18.4 17.4 19.1
ALT/AZ=65.6 -165.1
fwAVG=2.72
sdW=199.1
fwW=2.78
sdS=610.7
fwS=2.66
0 0 0 0 0 0 0 0 0


sdN=25.5
fwN=2.18
sdE=23.9
fwE=2.56
20200114T165832.0001.fits
SecZ=1.10
Focus=-5.068
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.083 -6.198 -1.922
T123=18.3 0.0 19.1
ALT/AZ=65.6 -164.7
fwAVG=2.45
sdW=21.6
fwW=2.58
sdS=22.0
fwS=2.47
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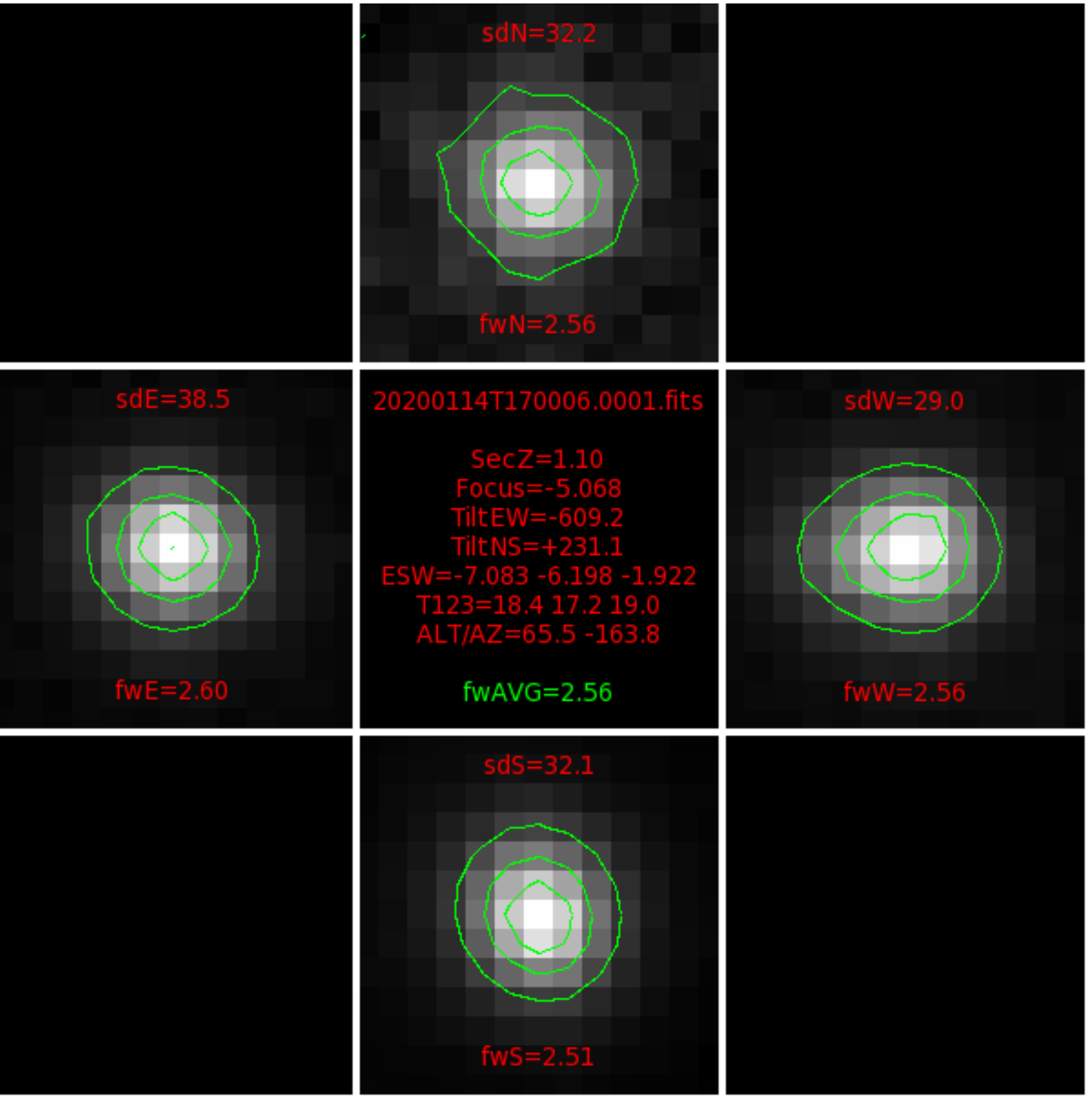
sdN=32.2
fwN=2.56
sdE=38.5
fwE=2.60
20200114T170006.0001.fits
SecZ=1.10
Focus=-5.068
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.083 -6.198 -1.922
T123=18.4 17.2 19.0
ALT/AZ=65.5 -163.8
fwAVG=2.56
sdW=29.0
fwW=2.56
sdS=32.1
fwS=2.51
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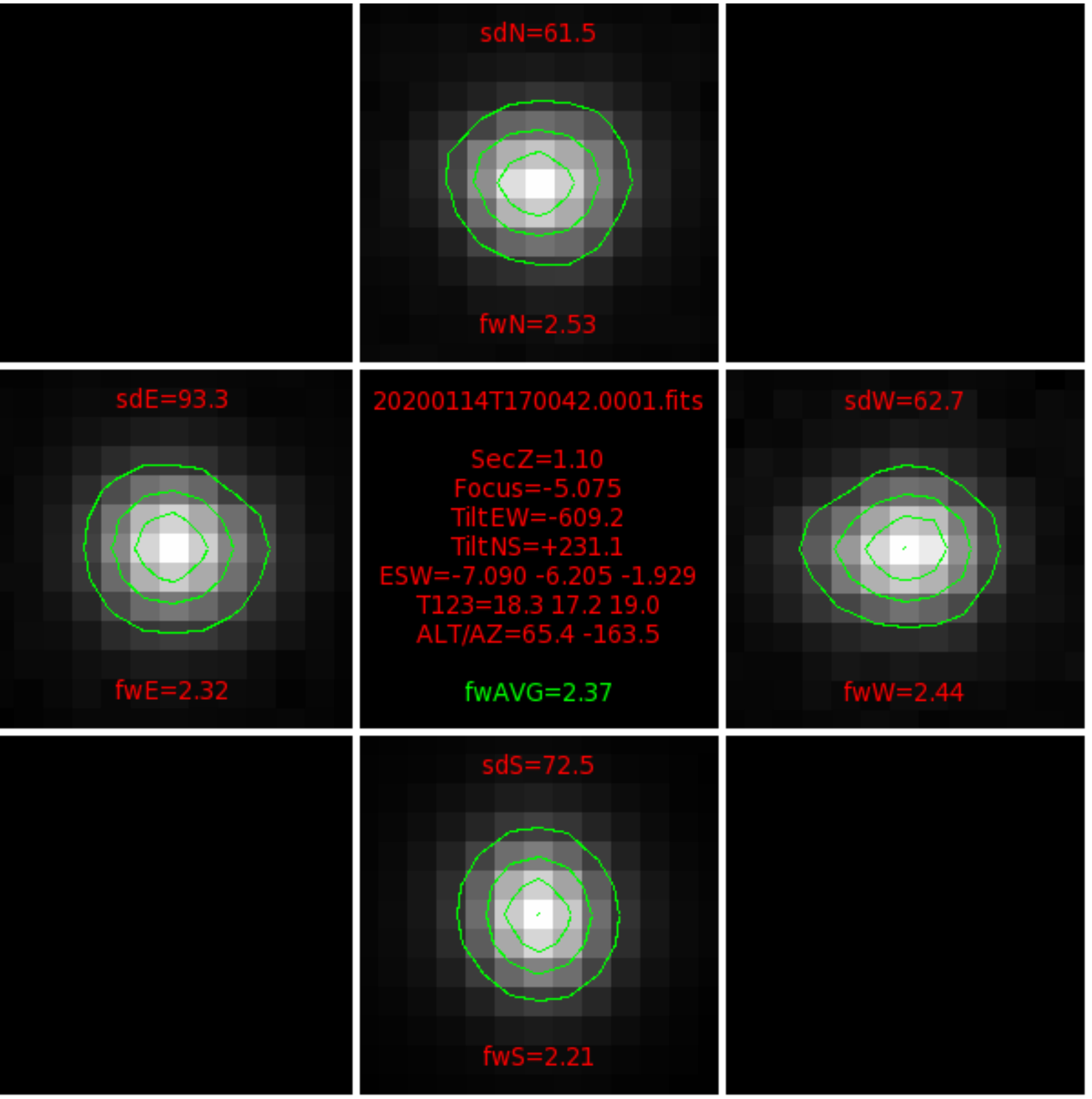
sdN=61.5
fwN=2.53
sdE=93.3
fwE=2.32
20200114T170042.0001.fits
SecZ=1.10
Focus=-5.075
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.090 -6.205 -1.929
T123=18.3 17.2 19.0
ALT/AZ=65.4 -163.5
fwAVG=2.37
sdW=62.7
fwW=2.44
sdS=72.5
fwS=2.21
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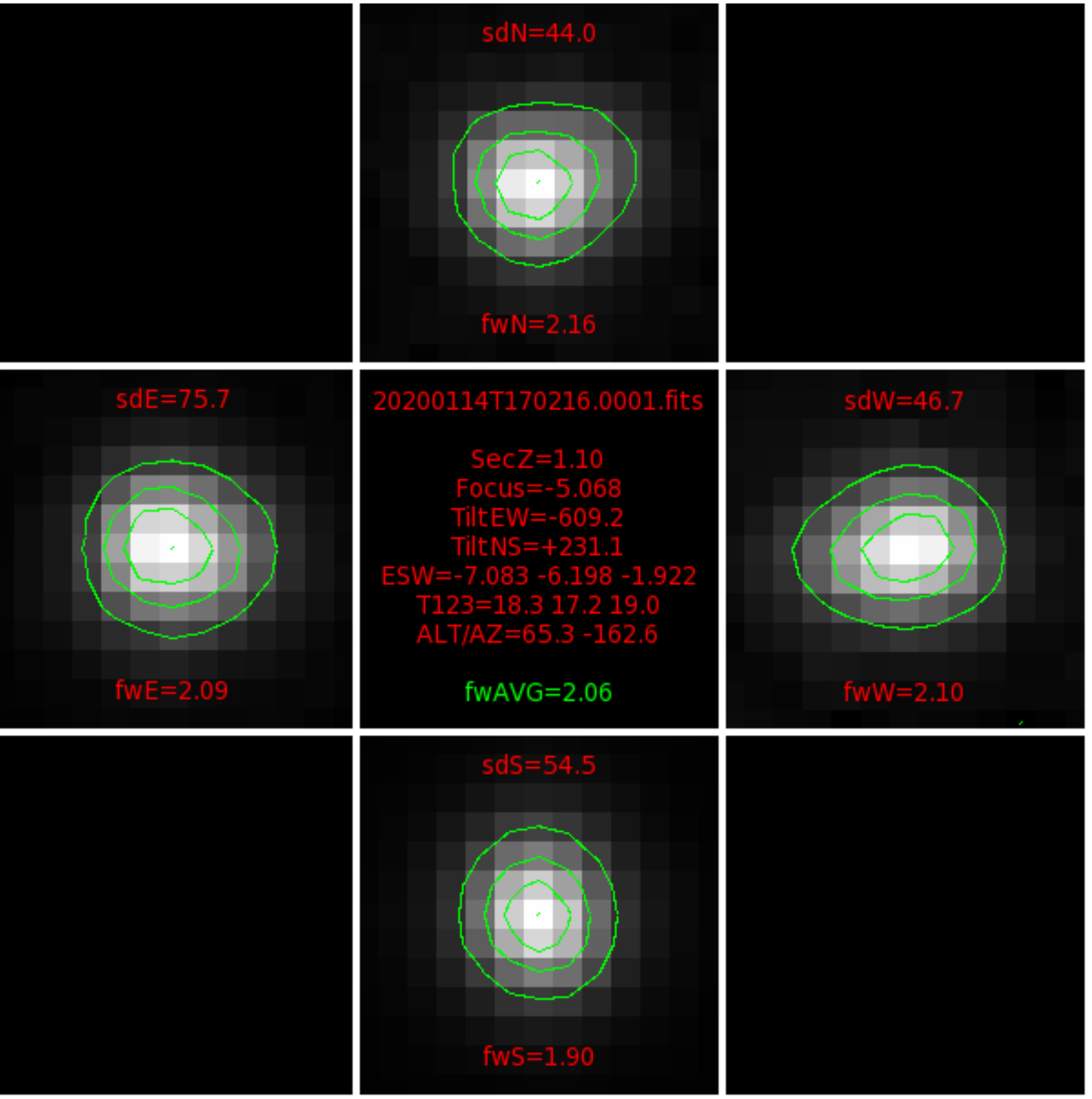
sdN=44.0
fwN=2.16
sdE=75.7
fwE=2.09
20200114T170216.0001.fits
SecZ=1.10
Focus=-5.068
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.083 -6.198 -1.922
T123=18.3 17.2 19.0
ALT/AZ=65.3 -162.6
fwAVG=2.06
sdW=46.7
fwW=2.10
sdS=54.5
fwS=1.90
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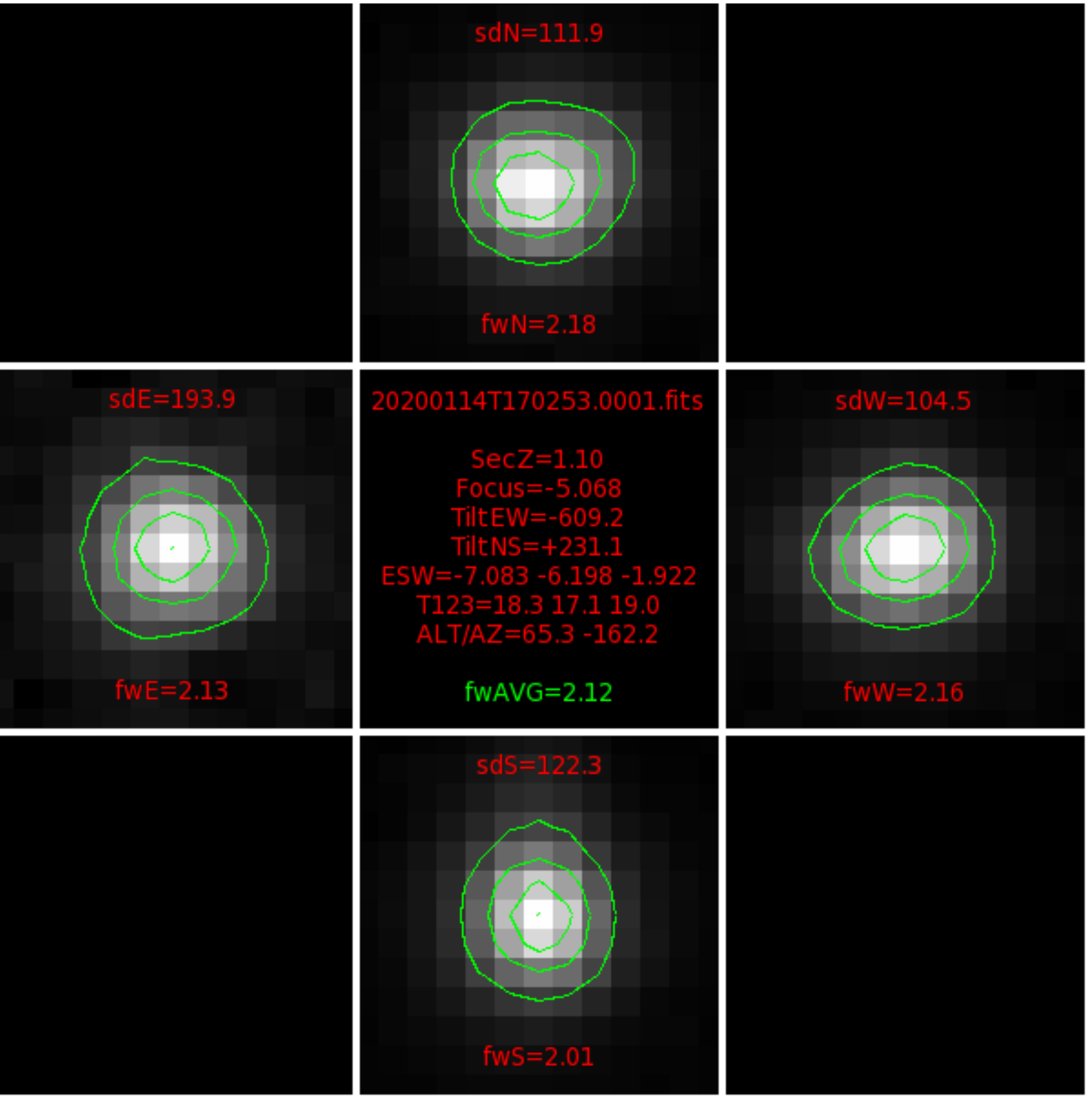
sdN=111.9
fwN=2.18
sdE=193.9
fwE=2.13
20200114T170253.0001.fits
SecZ=1.10
Focus=-5.068
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.083 -6.198 -1.922
T123=18.3 17.1 19.0
ALT/AZ=65.3 -162.2
fwAVG=2.12
sdW=104.5
fwW=2.16
sdS=122.3
fwS=2.01
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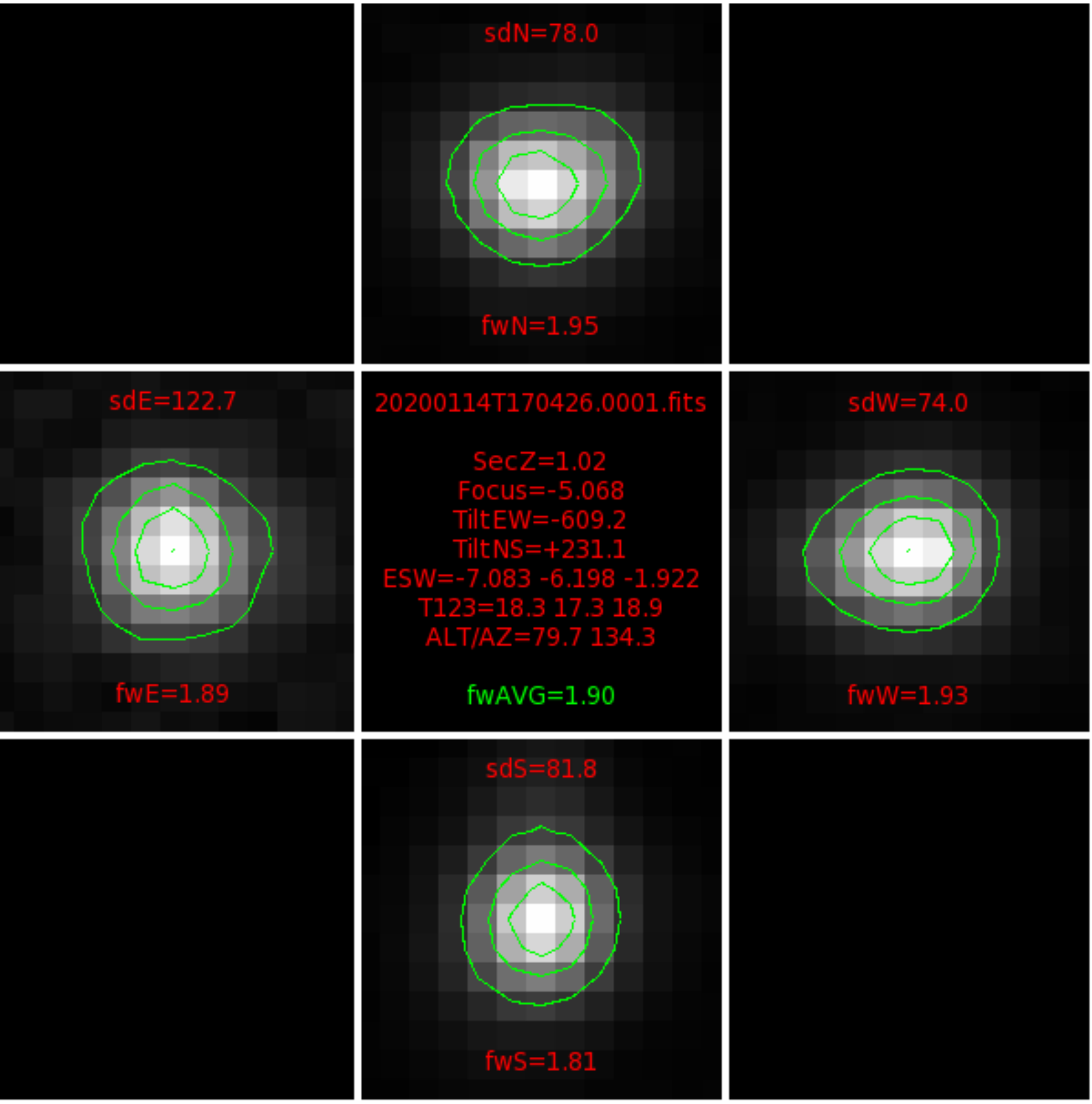
sdN=78.0
fwN=1.95
sdE=122.7
fwE=1.89
20200114T170426.0001.fits
SecZ=1.02
Focus=-5.068
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.083 -6.198 -1.922
T123=18.3 17.3 18.9
ALT/AZ=79.7 134.3
fwAVG=1.90
sdW=74.0
fwW=1.93
sdS=81.8
fwS=1.81
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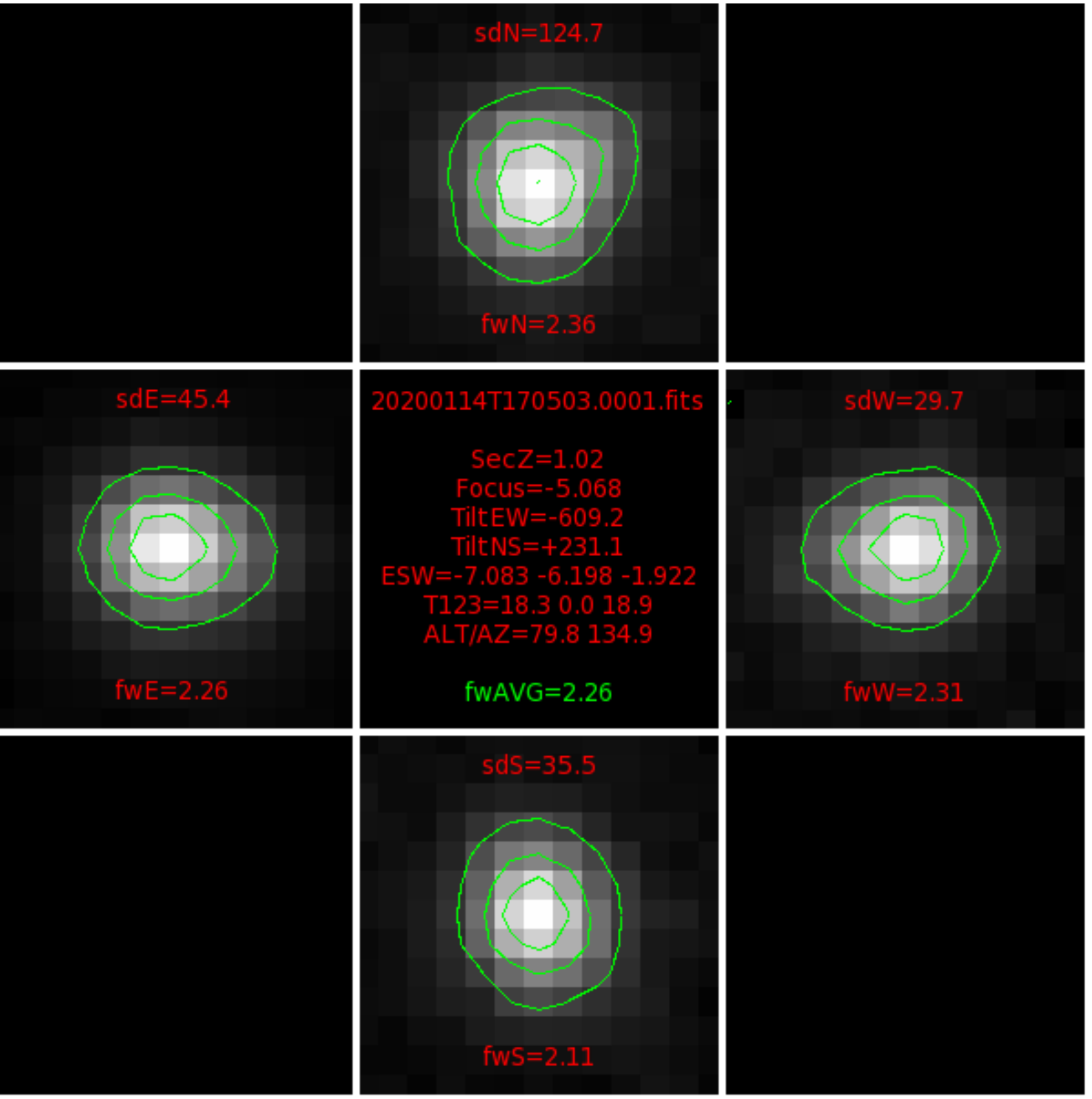
sdN=124.7
fwN=2.36
sdE=45.4
fwE=2.26
20200114T170503.0001.fits
SecZ=1.02
Focus=-5.068
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.083 -6.198 -1.922
T123=18.3 0.0 18.9
ALT/AZ=79.8 134.9
fwAVG=2.26
sdW=29.7
fwW=2.31
sdS=35.5
fwS=2.11
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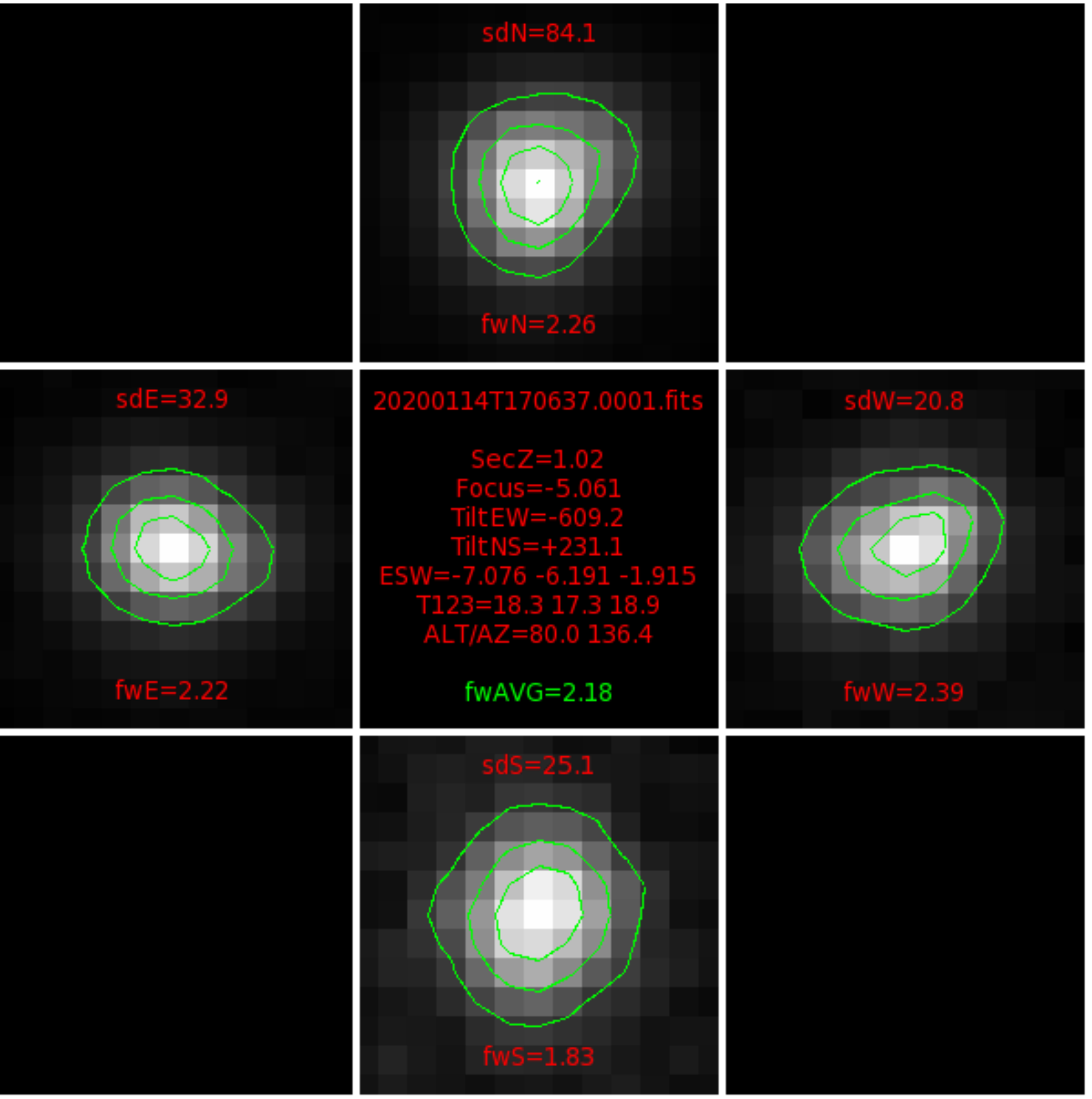
sdN=84.1
fwN=2.26
sdE=32.9
fwE=2.22
20200114T170637.0001.fits
SecZ=1.02
Focus=-5.061
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.076 -6.191 -1.915
T123=18.3 17.3 18.9
ALT/AZ=80.0 136.4
fwAVG=2.18
sdW=20.8
fwW=2.39
sdS=25.1
fwS=1.83
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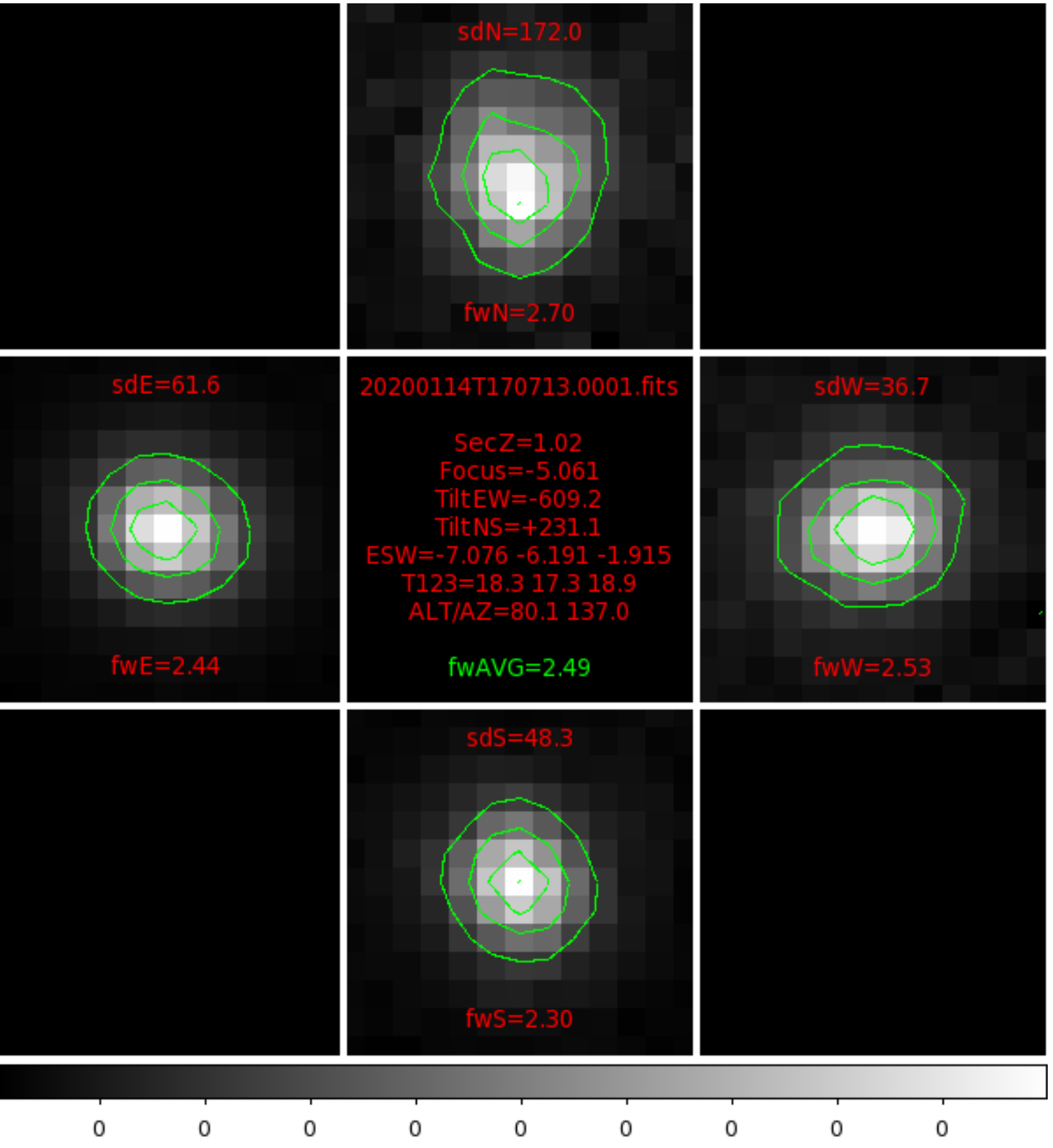
sdN=172.0
fwN=2.70
sdE=61.6
fwE=2.44
20200114T170713.0001.fits
SecZ=1.02
Focus=-5.061
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.076 -6.191 -1.915
T123=18.3 17.3 18.9
ALT/AZ=80.1 137.0
fwAVG=2.49
sdW=36.7
fwW=2.53
sdS=48.3
fwS=2.30
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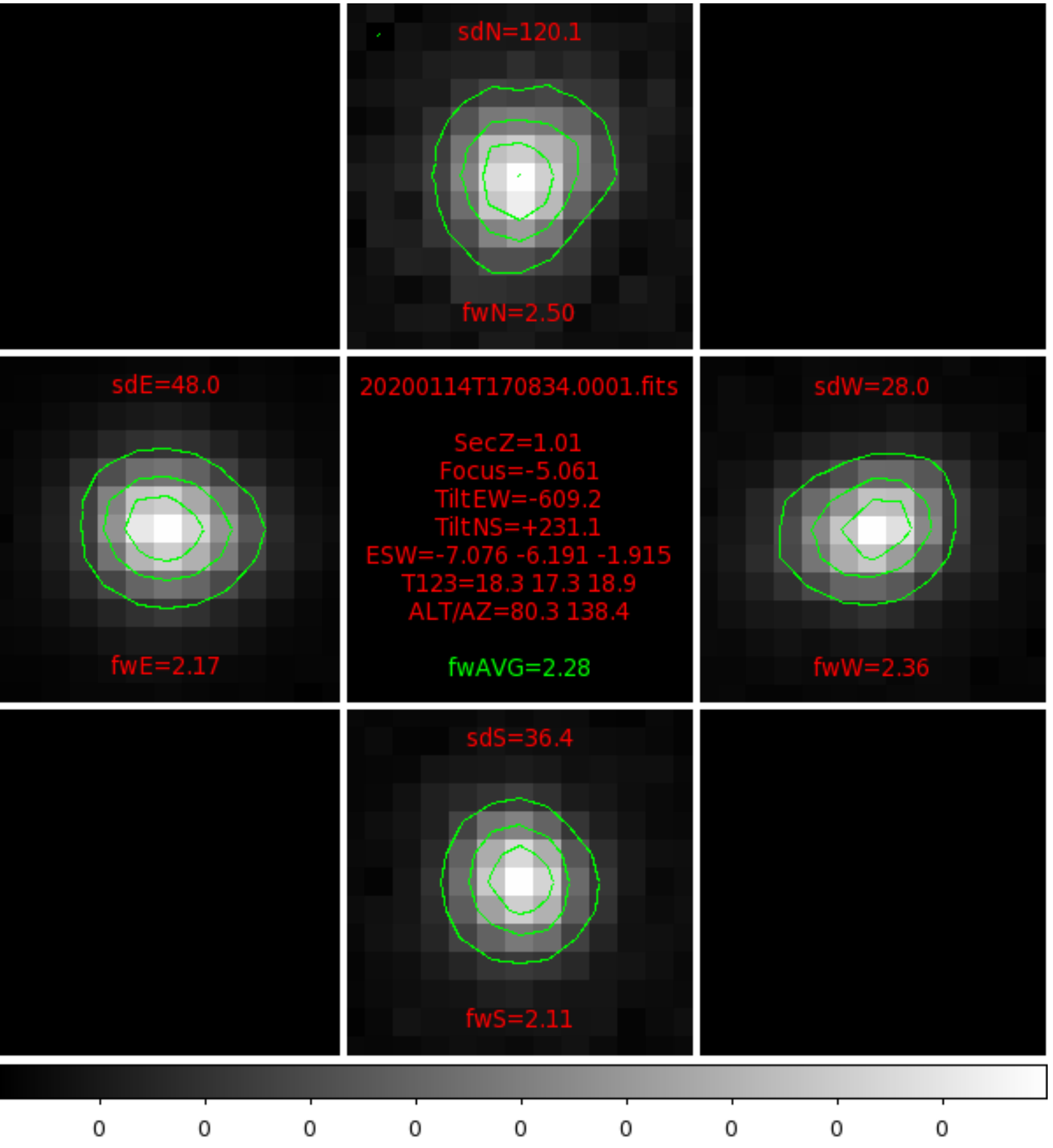
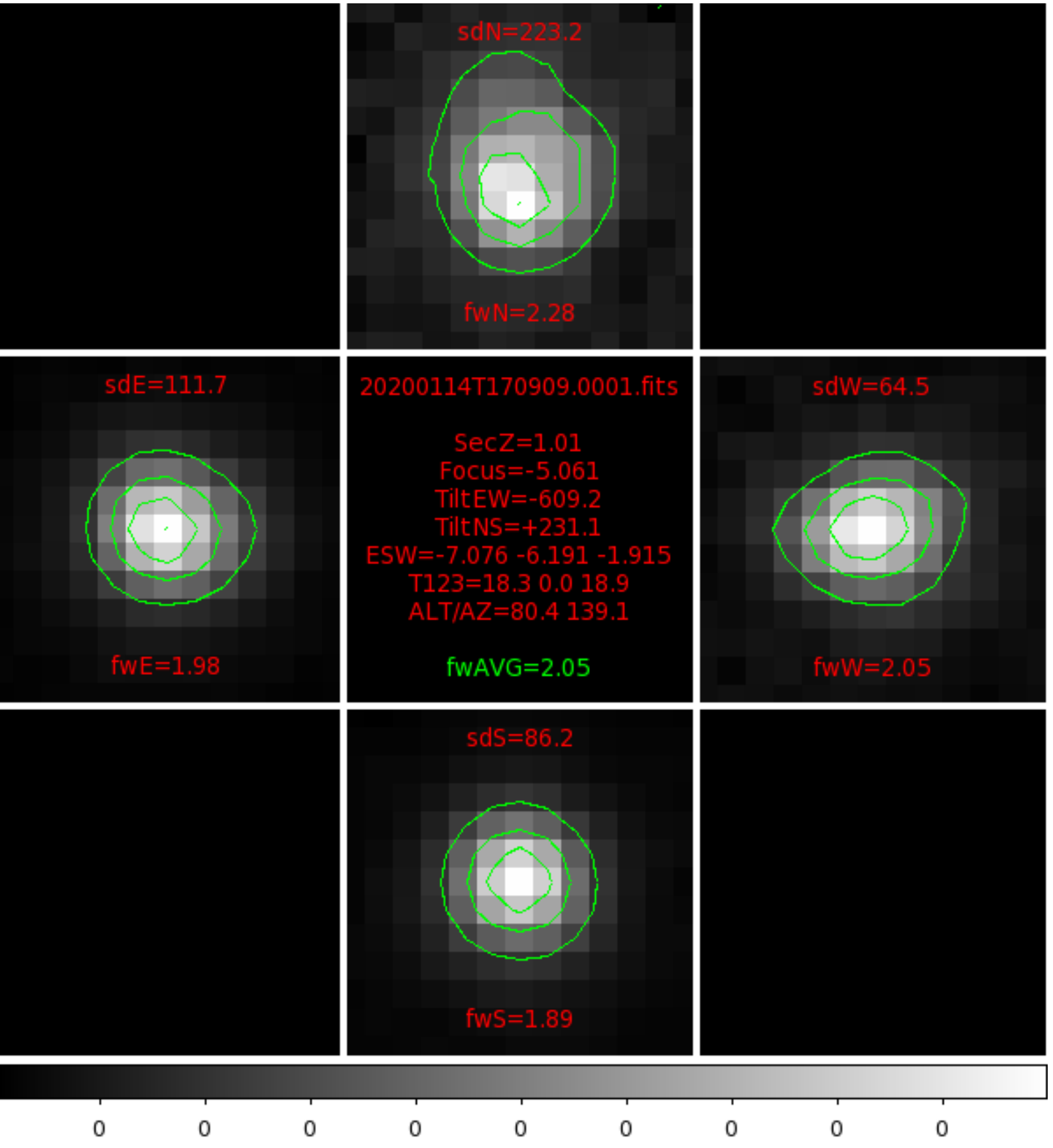

sdN=120.1
fwN=2.50
sdE=48.0
fwE=2.17
20200114T170834.0001.fits
SecZ=1.01
Focus=-5.061
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.076 -6.191 -1.915
T123=18.3 17.3 18.9
ALT/AZ=80.3 138.4
fwAVG=2.28
sdW=28.0
fwW=2.36
sdS=36.4
fwS=2.11
0 0 0 0 0 0 0 0 0


sdN=223.2
fwN=2.28
sdE=111.7
fwE=1.98
20200114T170909.0001.fits
SecZ=1.01
Focus=-5.061
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.076 -6.191 -1.915
T123=18.3 0.0 18.9
ALT/AZ=80.4 139.1
fwAVG=2.05
sdW=64.5
fwW=2.05
sdS=86.2
fwS=1.89
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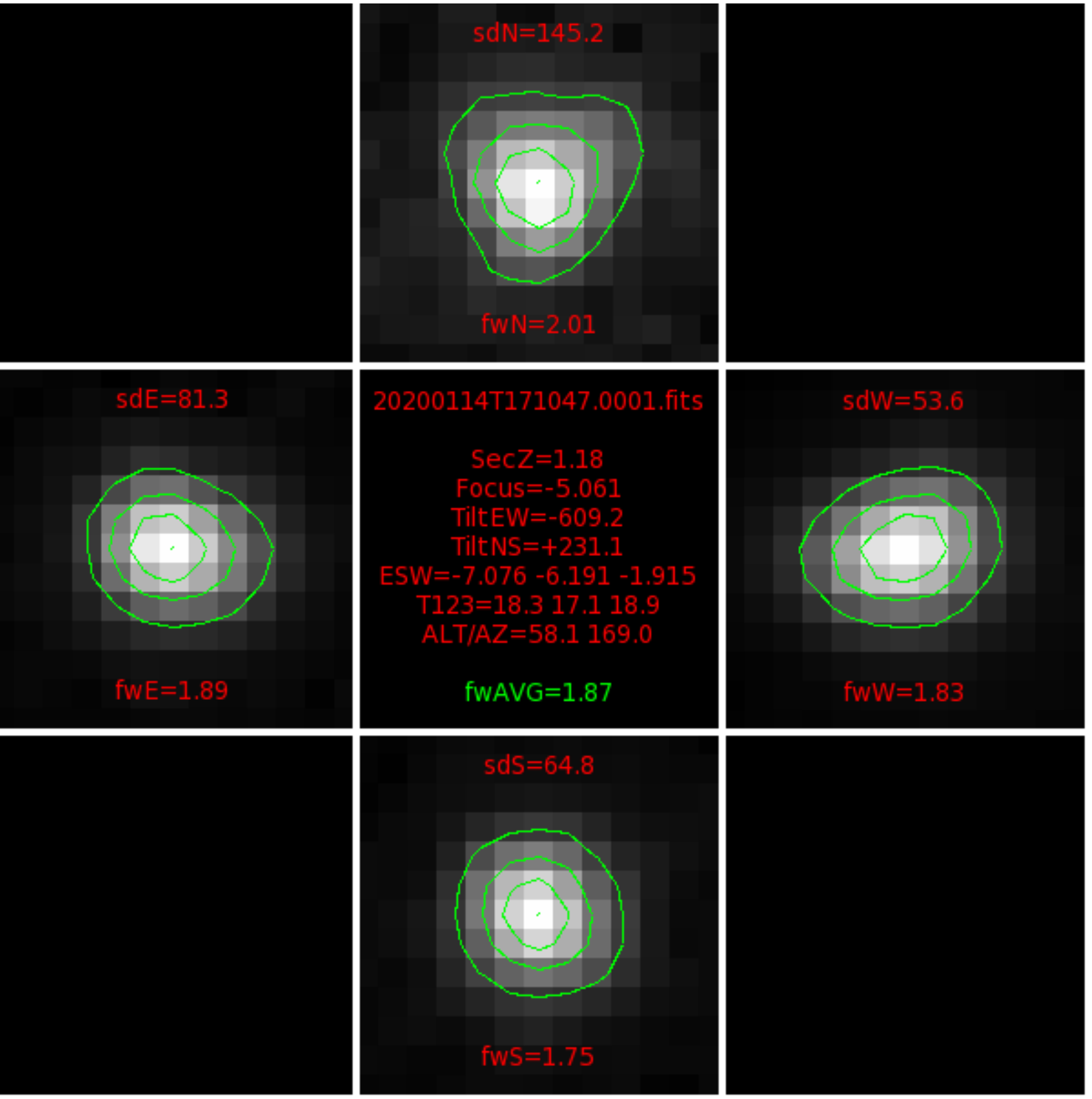
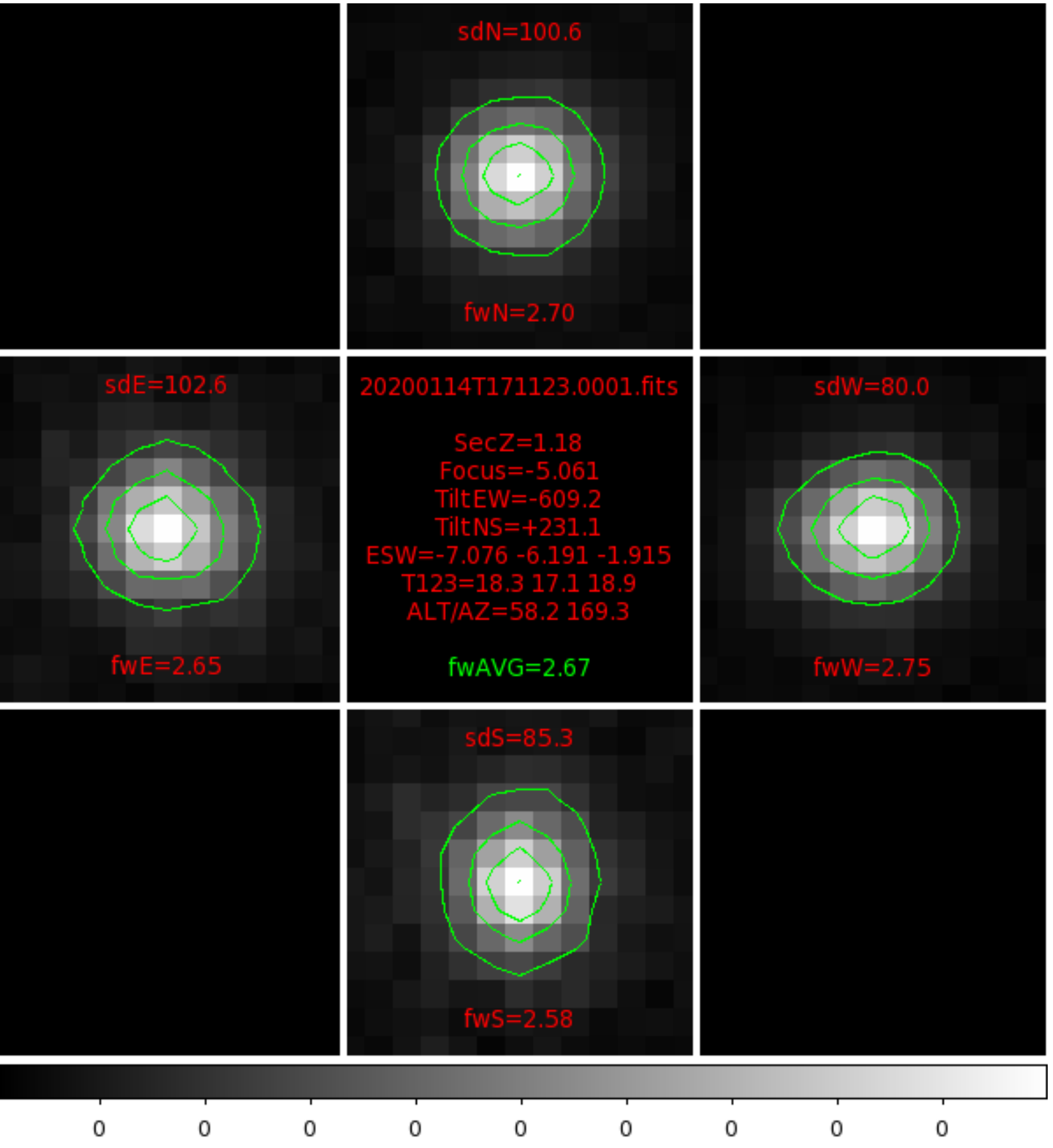

sdN=145.2
fwN=2.01
sdE=81.3
fwE=1.89
20200114T171047.0001.fits
SecZ=1.18
Focus=-5.061
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.076 -6.191 -1.915
T123=18.3 17.1 18.9
ALT/AZ=58.1 169.0
fwAVG=1.87
sdW=53.6
fwW=1.83
sdS=64.8
fwS=1.75
0 0 0 0 0 0 0 0 0


sdN=100.6
fwN=2.70
sdE=102.6
fwE=2.65
20200114T171123.0001.fits
SecZ=1.18
Focus=-5.061
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.076 -6.191 -1.915
T123=18.3 17.1 18.9
ALT/AZ=58.2 169.3
fwAVG=2.67
sdW=80.0
fwW=2.75
sdS=85.3
fwS=2.58
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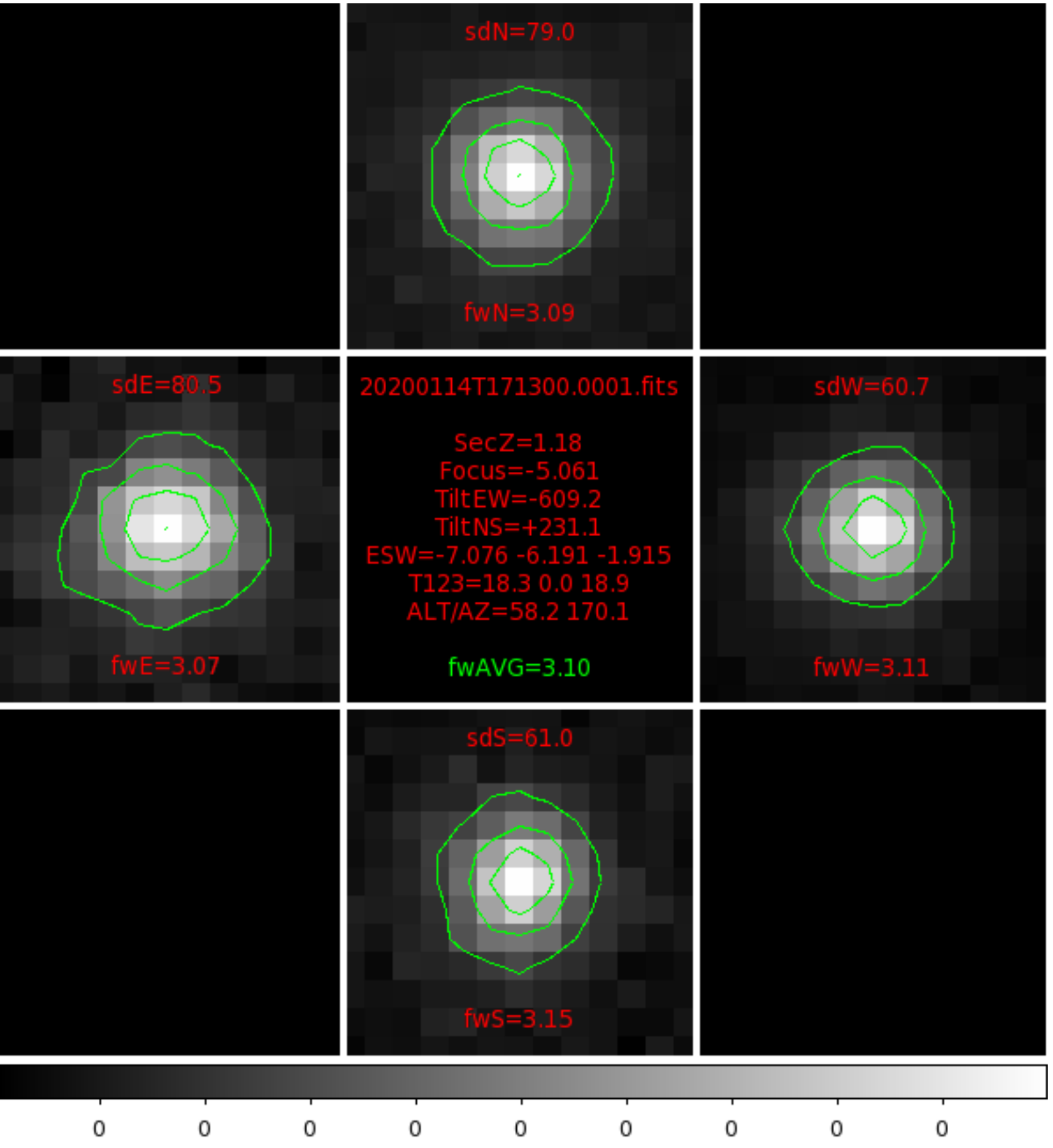
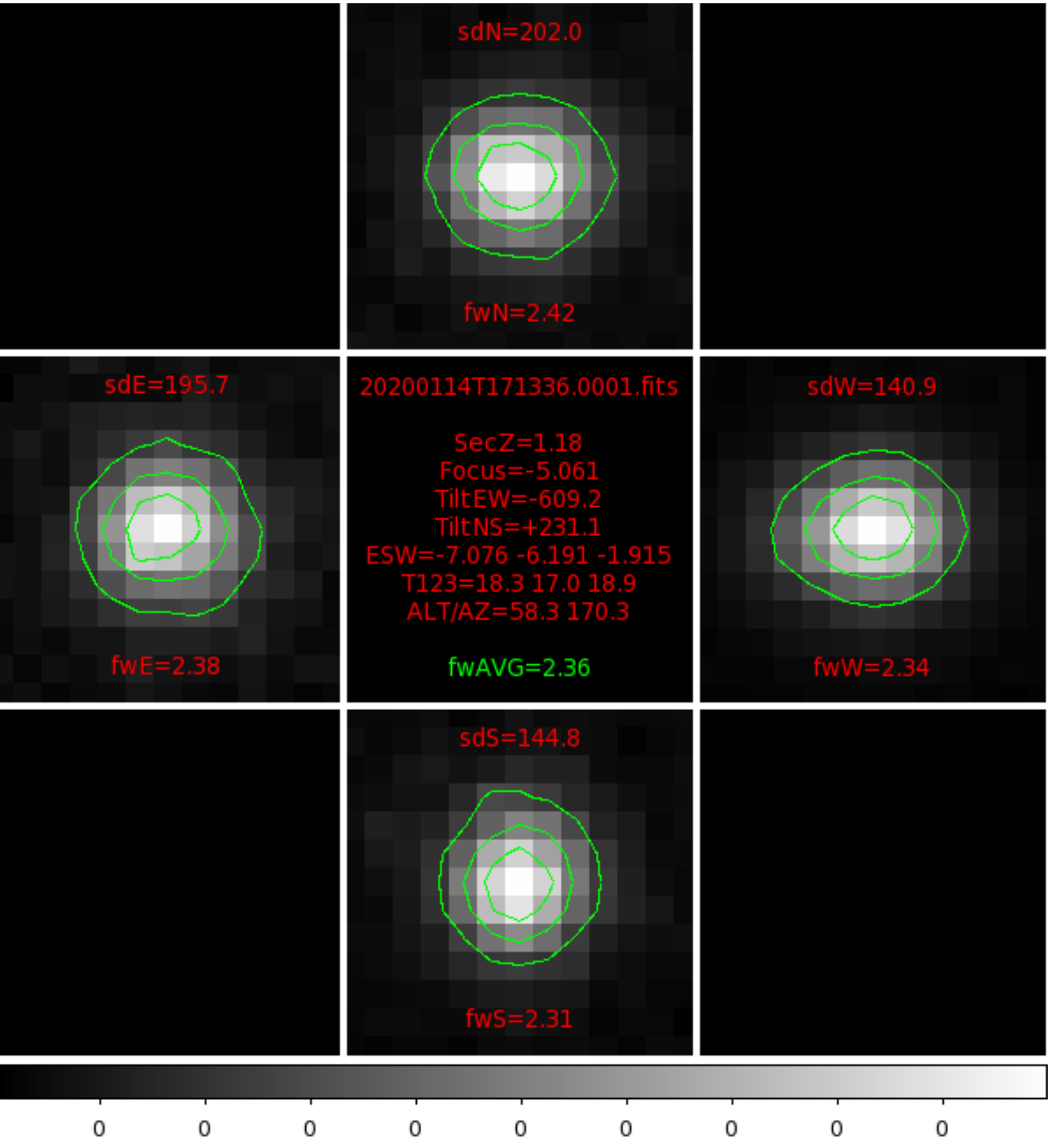

sdN=79.0
fwN=3.09
sdE=80.5
fwE=3.07
20200114T171300.0001.fits
SecZ=1.18
Focus=-5.061
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.076 -6.191 -1.915
T123=18.3 0.0 18.9
ALT/AZ=58.2 170.1
fwAVG=3.10
sdW=60.7
fwW=3.11
sdS=61.0
fwS=3.15
0 0 0 0 0 0 0 0 0


sdN=202.0
fwN=2.42
sdE=195.7
fwE=2.38
20200114T171336.0001.fits
SecZ=1.18
Focus=-5.061
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.076 -6.191 -1.915
T123=18.3 17.0 18.9
ALT/AZ=58.3 170.3
fwAVG=2.36
sdW=140.9
fwW=2.34
sdS=144.8
fwS=2.31
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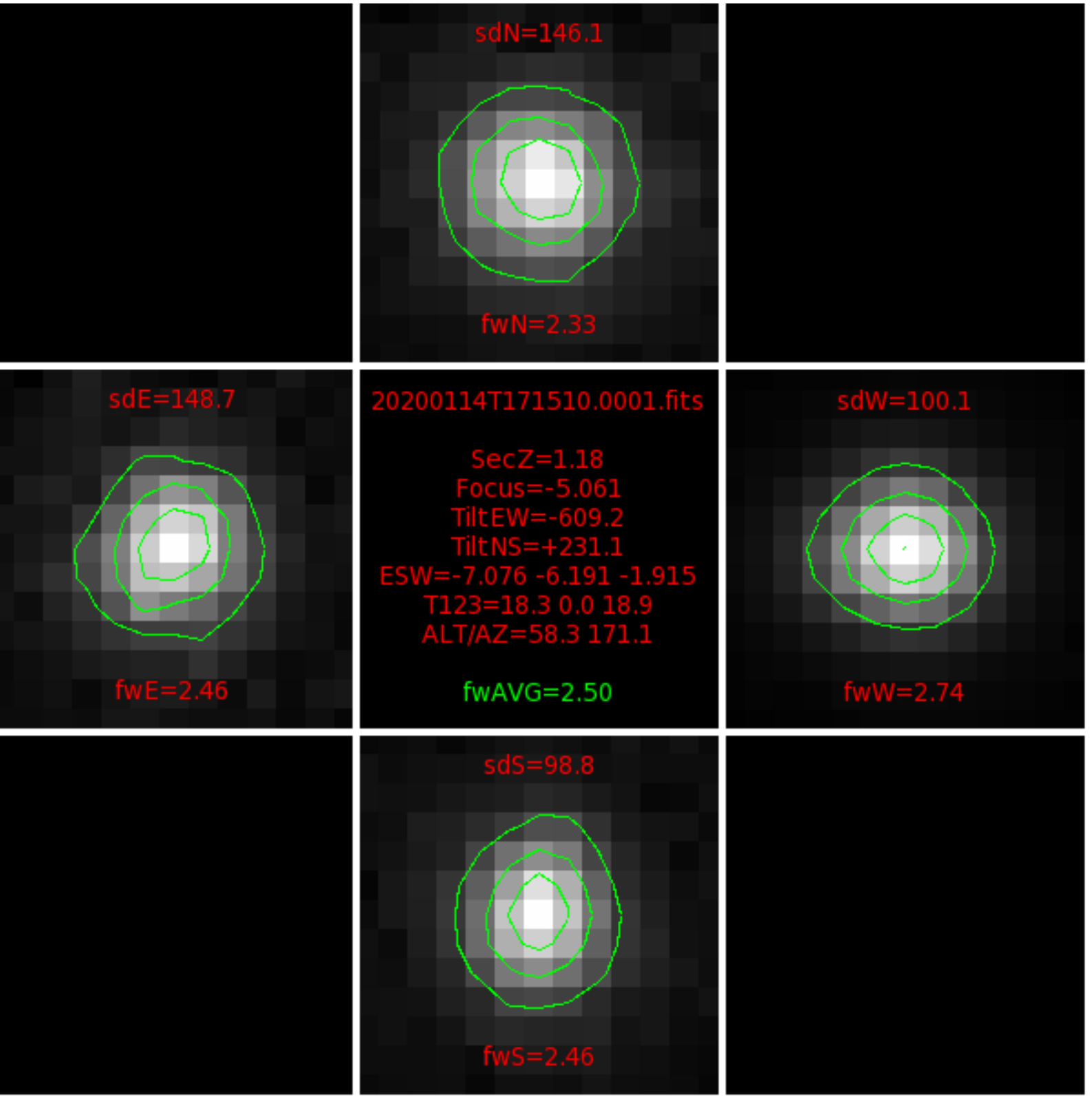
sdN=146.1
fwN=2.33
sdE=148.7
fwE=2.46
20200114T171510.0001.fits
SecZ=1.18
Focus=-5.061
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.076 -6.191 -1.915
T123=18.3 0.0 18.9
ALT/AZ=58.3 171.1
fwAVG=2.50
sdW=100.1
fwW=2.74
sdS=98.8
fwS=2.46
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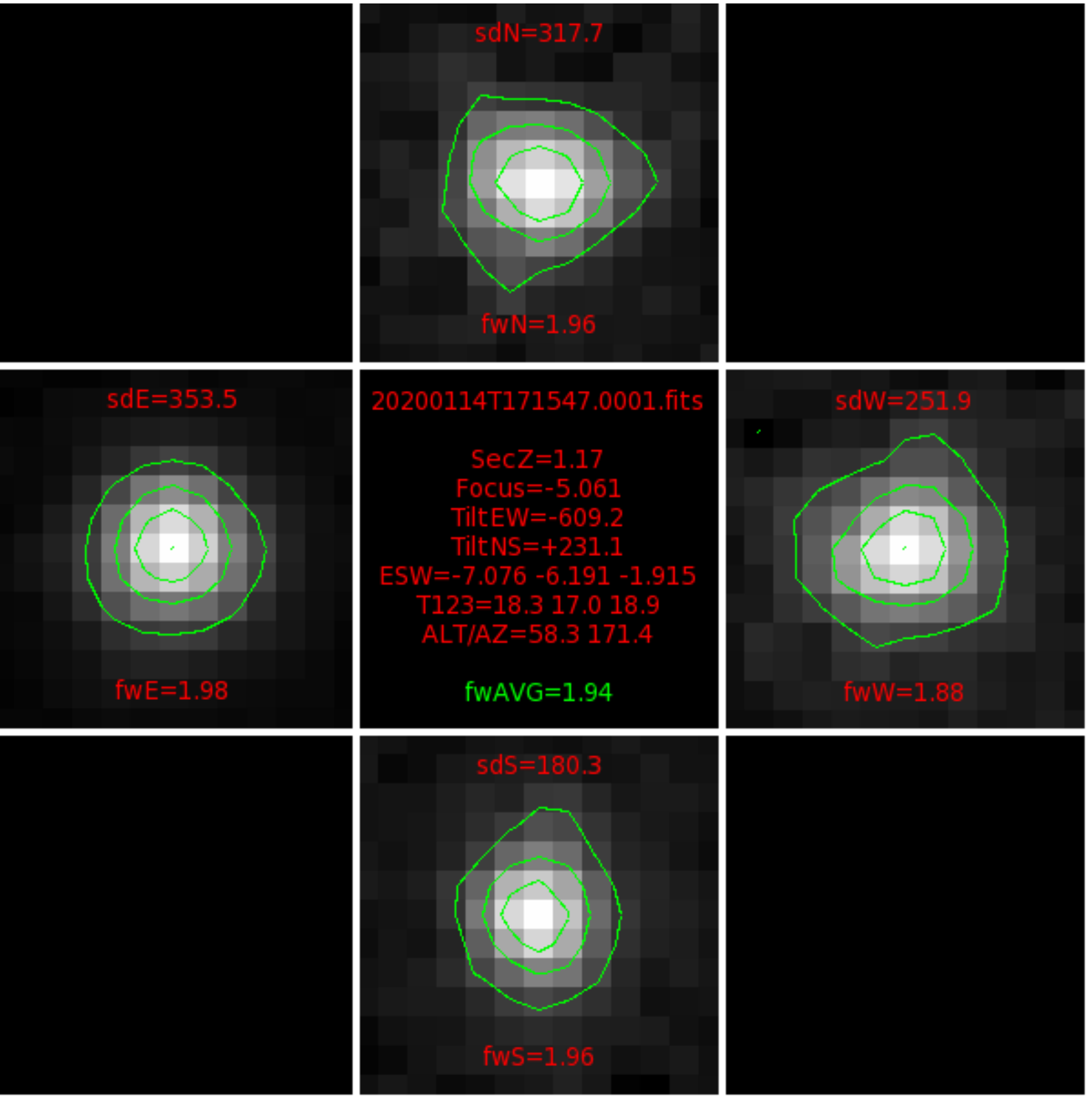
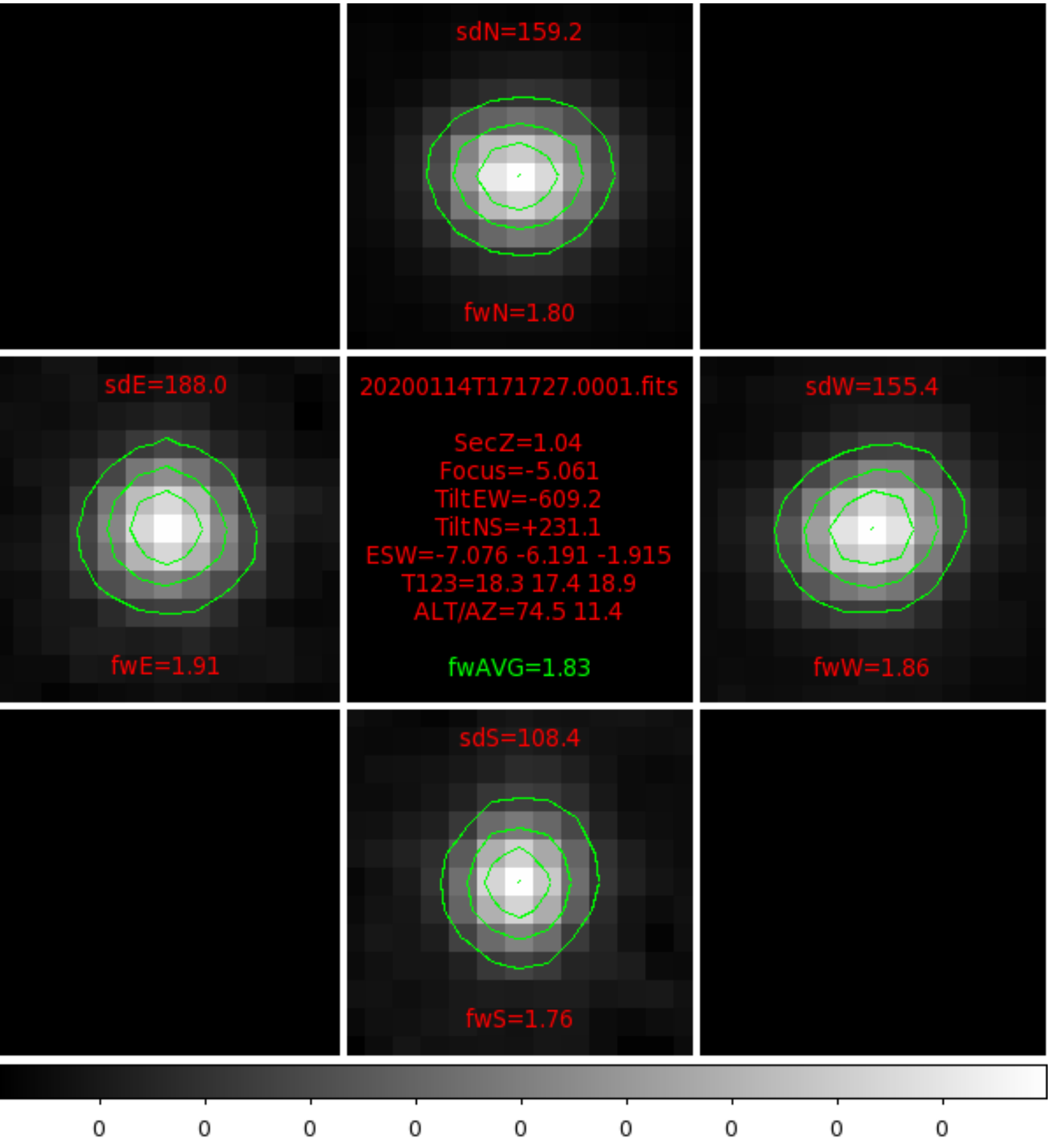

sdN=317.7
fwN=1.96
sdE=353.5
fwE=1.98
20200114T171547.0001.fits
SecZ=1.17
Focus=-5.061
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.076 -6.191 -1.915
T123=18.3 17.0 18.9
ALT/AZ=58.3 171.4
fwAVG=1.94
sdW=251.9
fwW=1.88
sdS=180.3
fwS=1.96
0 0 0 0 0 0 0 0 0


sdN=159.2
fwN=1.80
sdE=188.0
fwE=1.91
20200114T171727.0001.fits
SecZ=1.04
Focus=-5.061
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.076 -6.191 -1.915
T123=18.3 17.4 18.9
ALT/AZ=74.5 11.4
fwAVG=1.83
sdW=155.4
fwW=1.86
sdS=108.4
fwS=1.76
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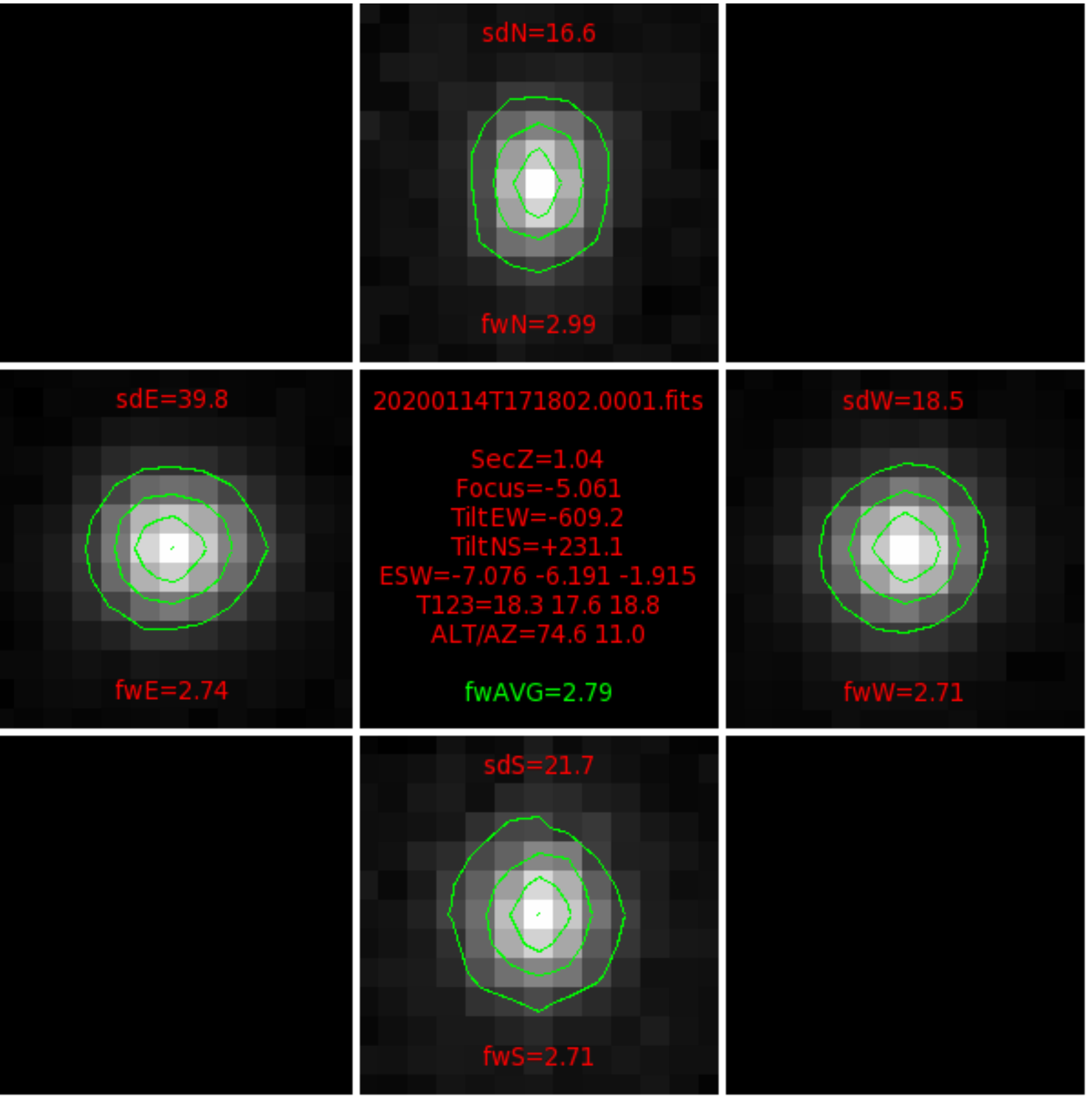
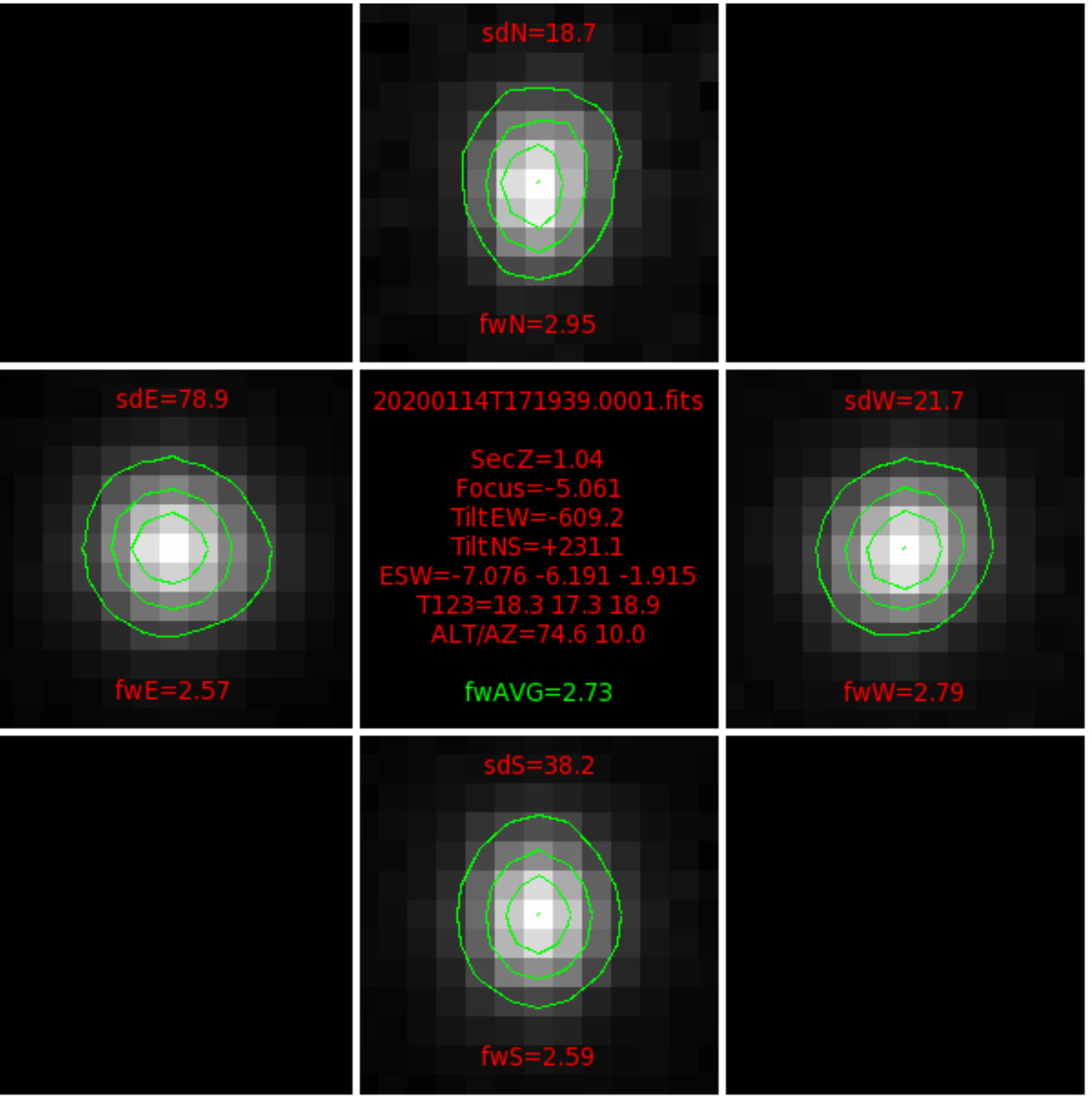
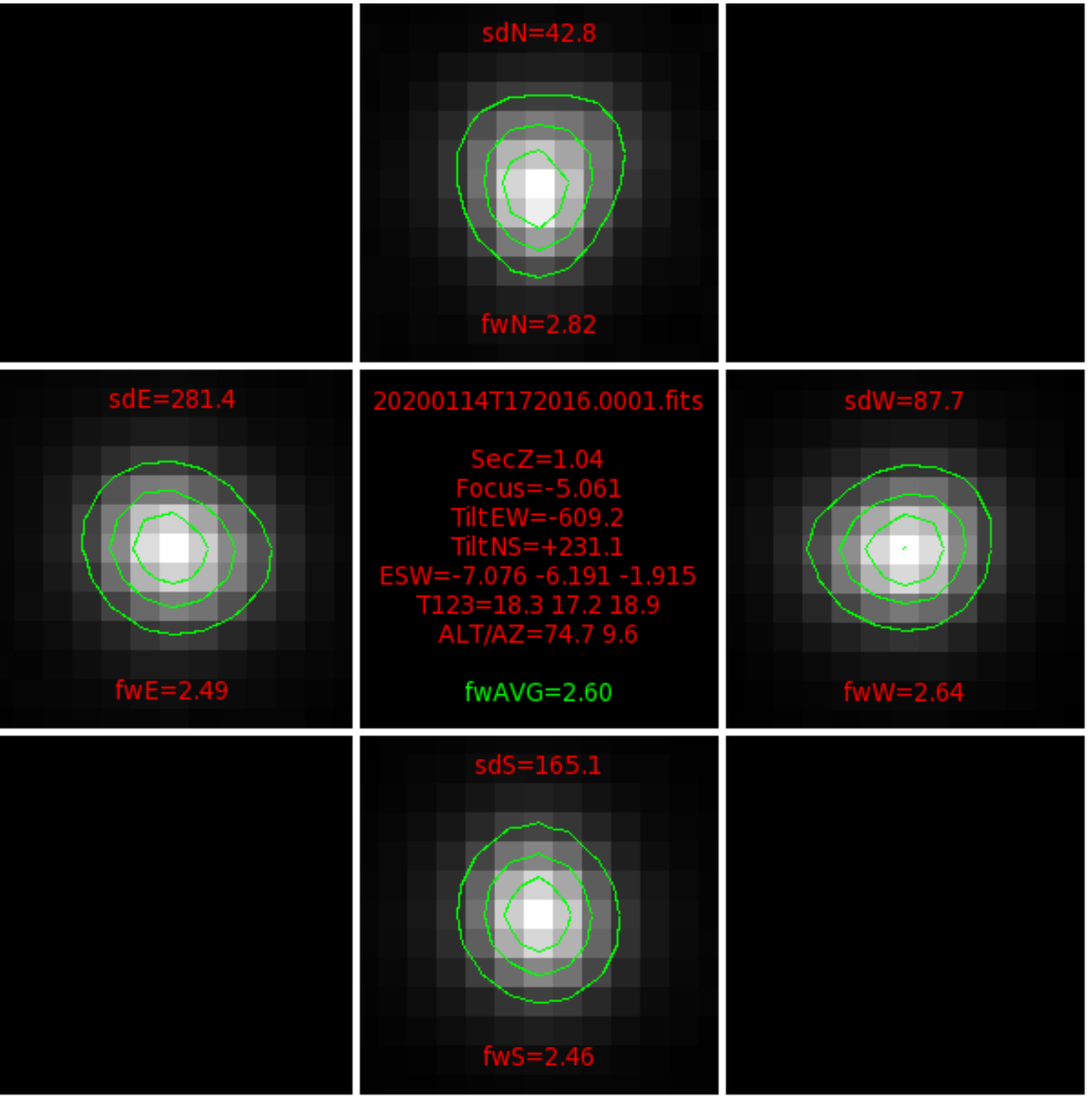
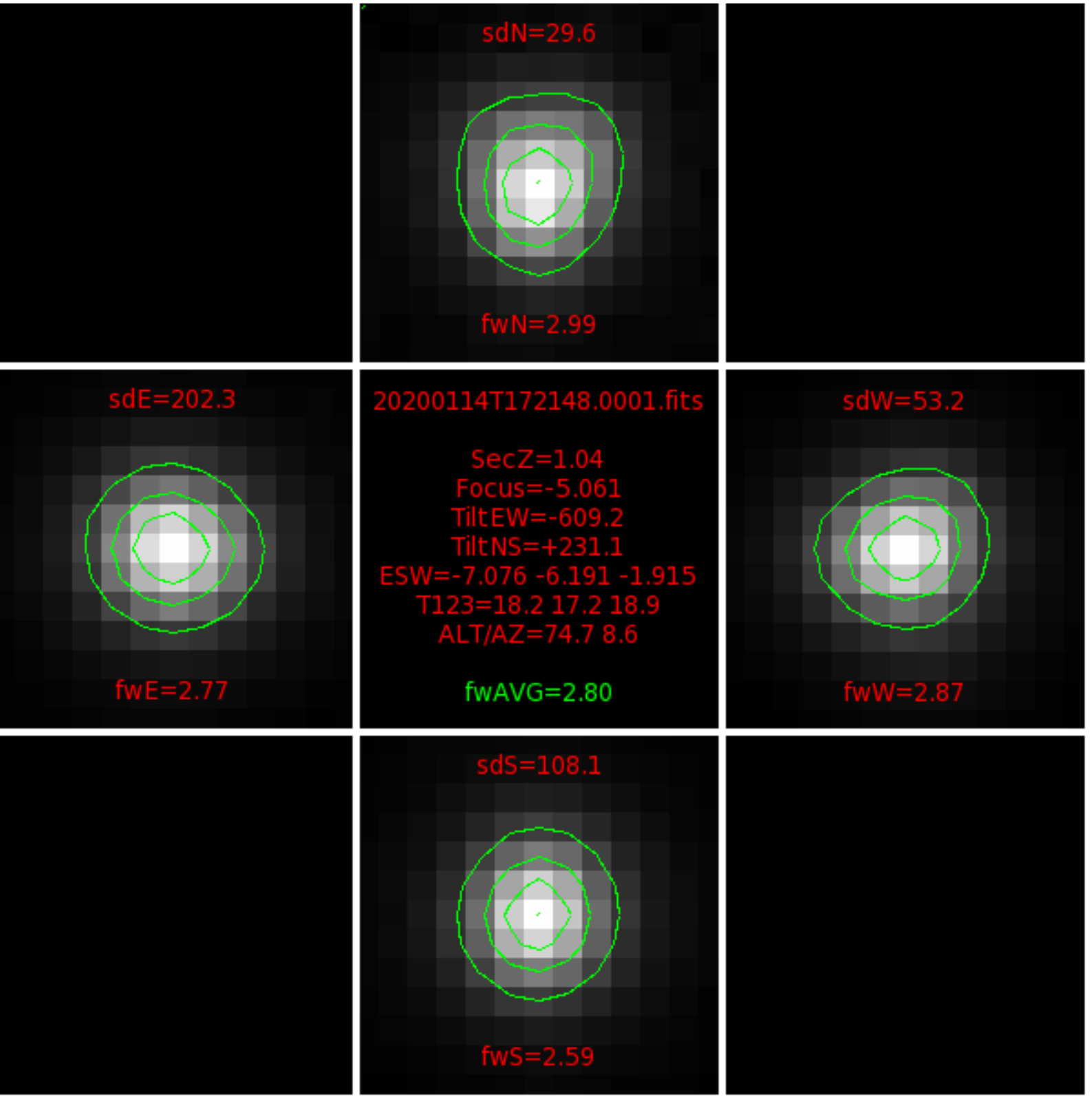
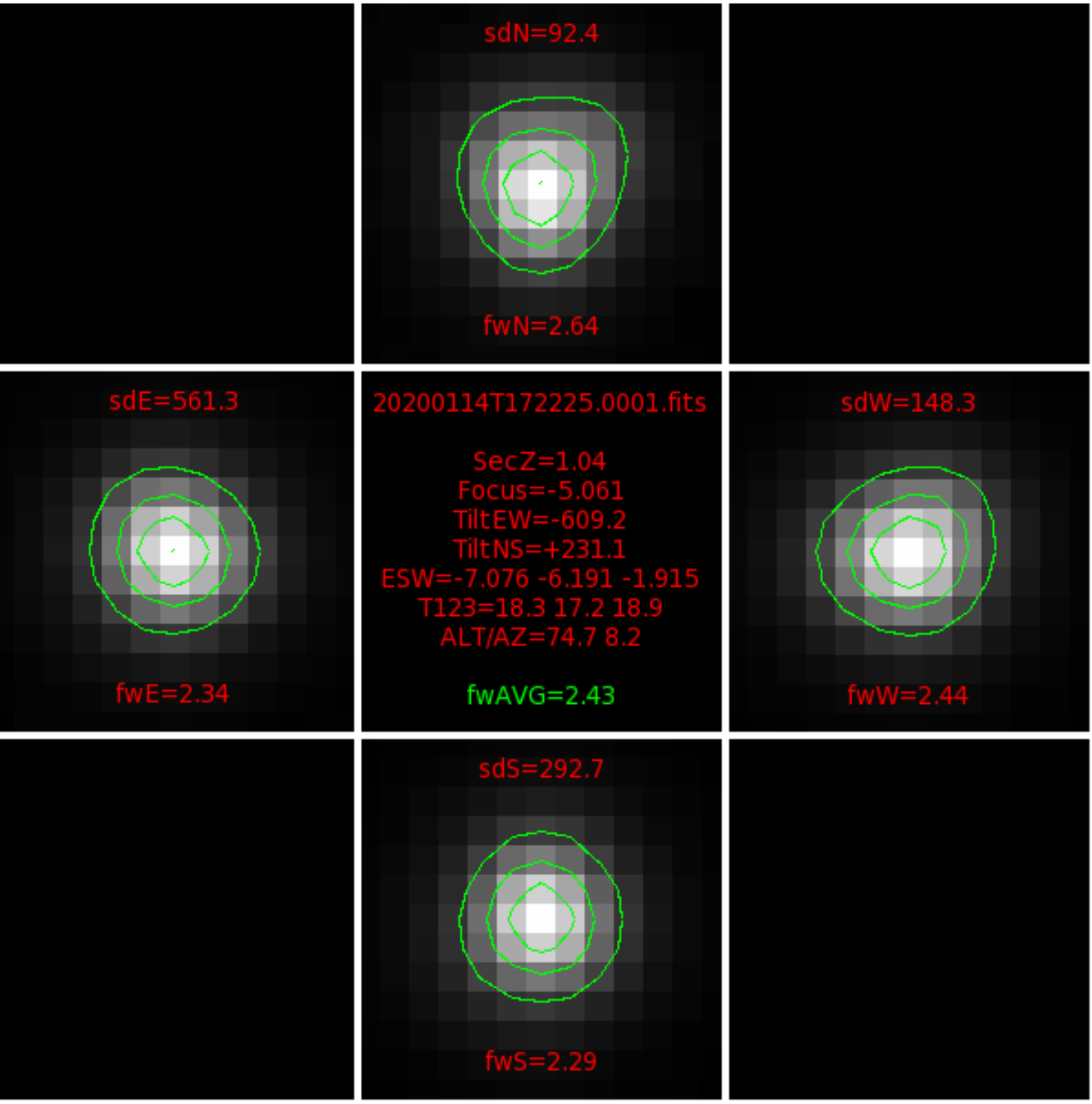
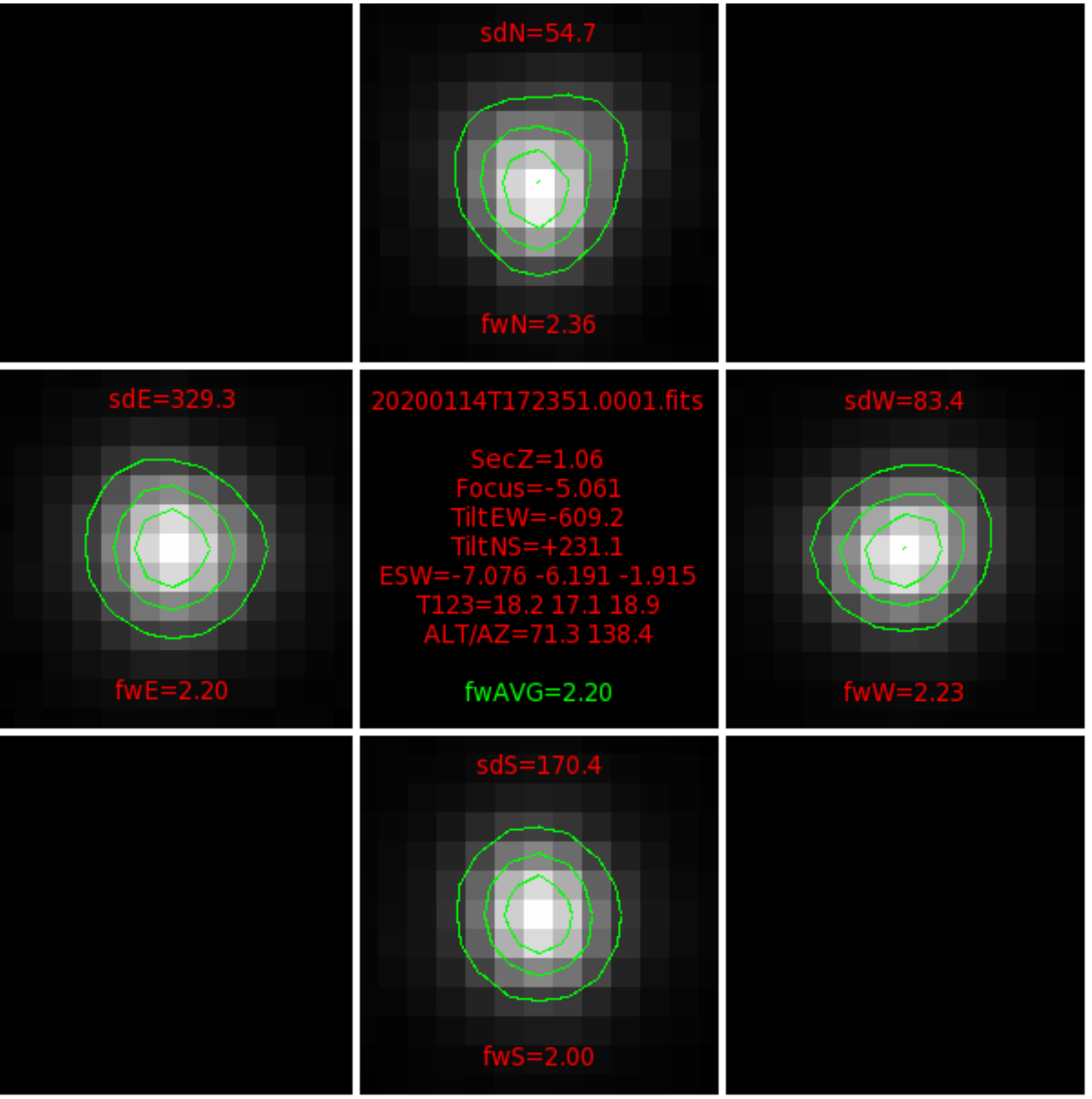

sdN=16.6
fwN=2.99
sdE=39.8
fwE=2.74
20200114T171802.0001.fits
SecZ=1.04
Focus=-5.061
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.076 -6.191 -1.915
T123=18.3 17.6 18.8
ALT/AZ=74.6 11.0
fwAVG=2.79
sdW=18.5
fwW=2.71
sdS=21.7
fwS=2.71
0 0 0 0 0 0 0 0 0

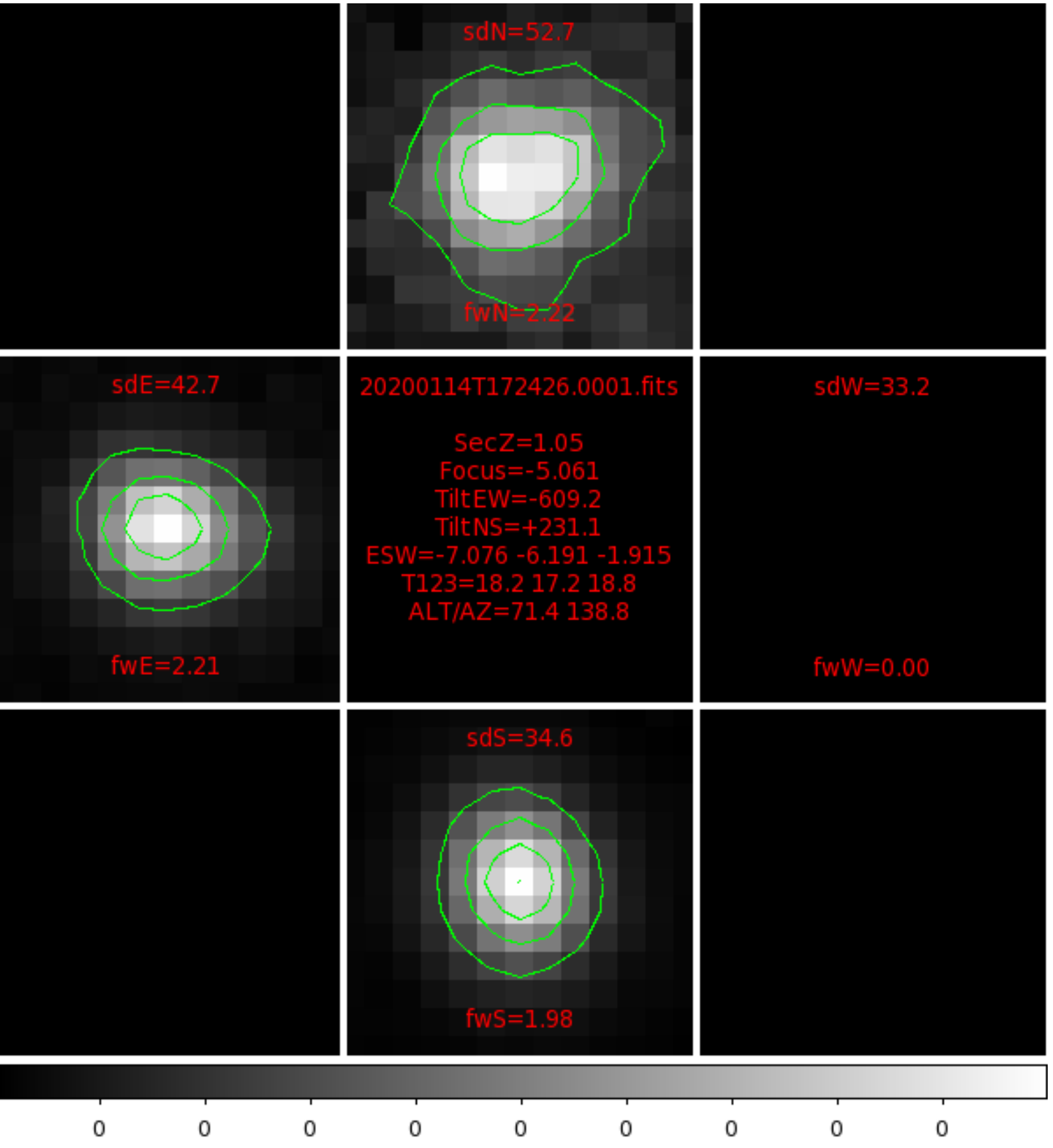

sdN=18.7
fwN=2.95
sdE=78.9
fwE=2.57
20200114T171939.0001.fits
SecZ=1.04
Focus=-5.061
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.076 -6.191 -1.915
T123=18.3 17.3 18.9
ALT/AZ=74.6 10.0
fwAVG=2.73
sdW=21.7
fwW=2.79
sdS=38.2
fwS=2.59
0 0 0 0 0 0 0 0 0

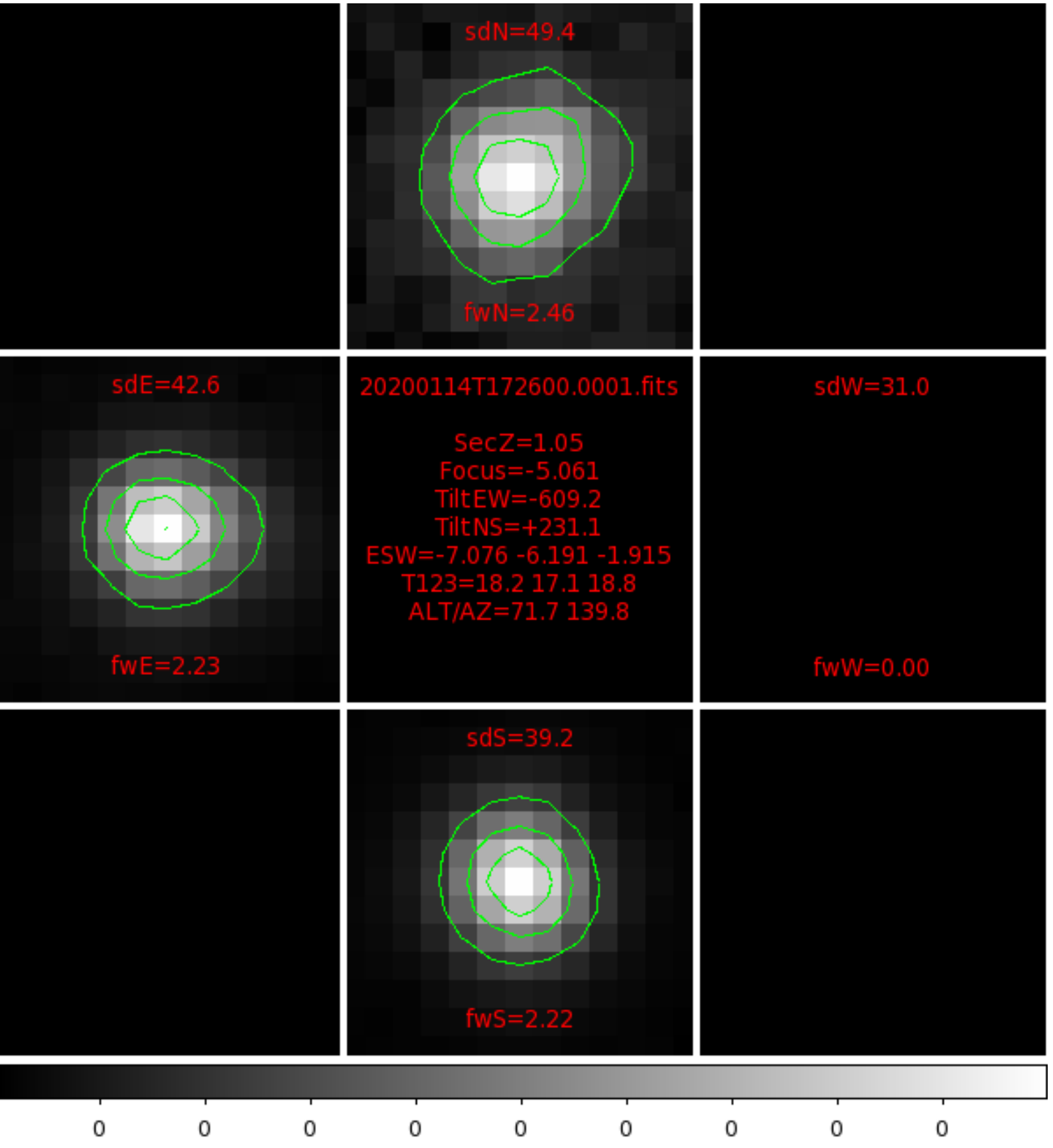

sdN=42.8
fwN=2.82
sdE=281.4
fwE=2.49
20200114T172016.0001.fits
SecZ=1.04
Focus=-5.061
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.076 -6.191 -1.915
T123=18.3 17.2 18.9
ALT/AZ=74.7 9.6
fwAVG=2.60
sdW=87.7
fwW=2.64
sdS=165.1
fwS=2.46
0 0 0 0 0 0 0 0 0

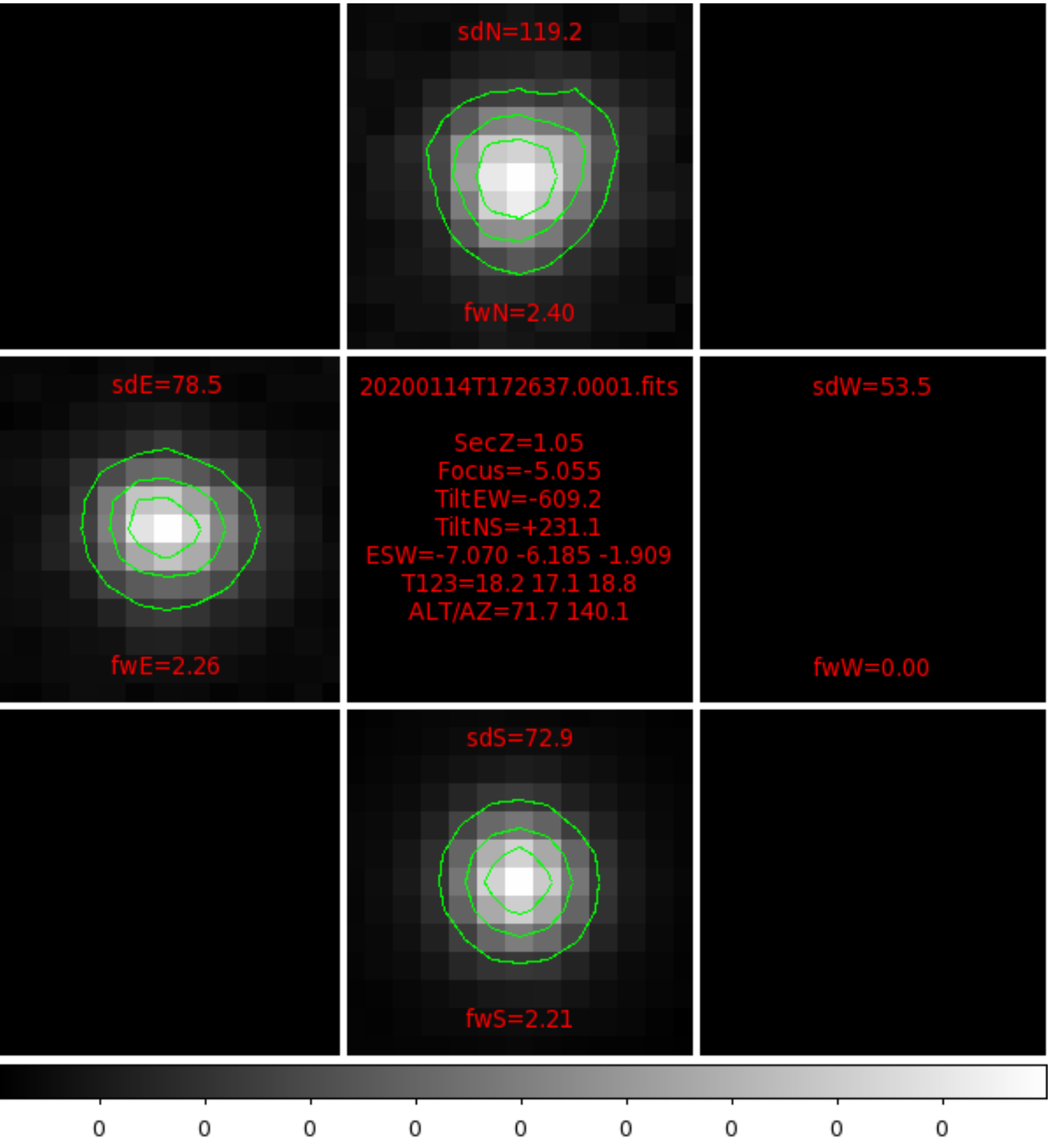

sdN=29.6
fwN=2.99
sdE=202.3
fwE=2.77
20200114T172148.0001.fits
SecZ=1.04
Focus=-5.061
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.076 -6.191 -1.915
T123=18.2 17.2 18.9
ALT/AZ=74.7 8.6
fwAVG=2.80
sdW=53.2
fwW=2.87
sdS=108.1
fwS=2.59
0 0 0 0 0 0 0 0 0

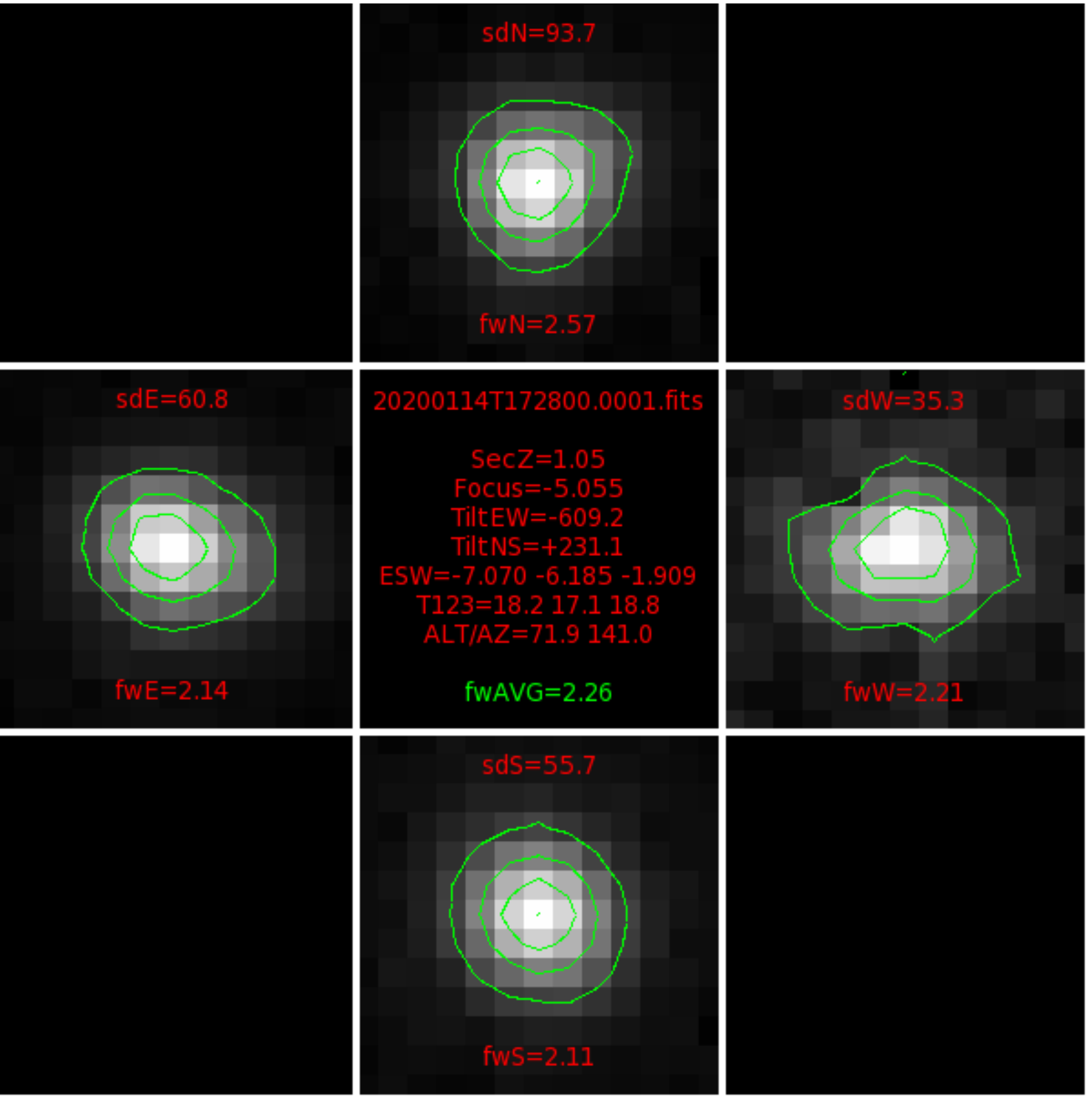

sdN=92.4
fwN=2.64
sdE=561.3
fwE=2.34
20200114T172225.0001.fits
SecZ=1.04
Focus=-5.061
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.076 -6.191 -1.915
T123=18.3 17.2 18.9
ALT/AZ=74.7 8.2
fwAVG=2.43
sdW=148.3
fwW=2.44
sdS=292.7
fwS=2.29
0 0 0 0 0 0 0 0 0


sdN=54.7
fwN=2.36
sdE=329.3
fwE=2.20
20200114T172351.0001.fits
SecZ=1.06
Focus=-5.061
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.076 -6.191 -1.915
T123=18.2 17.1 18.9
ALT/AZ=71.3 138.4
fwAVG=2.20
sdW=83.4
fwW=2.23
sdS=170.4
fwS=2.00
0 0 0 0 0 0 0 0 0


sdN=52.7
fwN=2.22
sdE=42.7
fwE=2.21
20200114T172426.0001.fits
SecZ=1.05
Focus=-5.061
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.076 -6.191 -1.915
T123=18.2 17.2 18.8
ALT/AZ=71.4 138.8
sdW=33.2
fwW=0.00
sdS=34.6
fwS=1.98
0 0 0 0 0 0 0 0 0


sdN=49.4
fwN=2.46
sdE=42.6
fwE=2.23
20200114T172600.0001.fits
SecZ=1.05
Focus=-5.061
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.076 -6.191 -1.915
T123=18.2 17.1 18.8
ALT/AZ=71.7 139.8
sdW=31.0
fwW=0.00
sdS=39.2
fwS=2.22
0 0 0 0 0 0 0 0 0


sdN=119.2
fwN=2.40
sdE=78.5
fwE=2.26
20200114T172637.0001.fits
SecZ=1.05
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.2 17.1 18.8
ALT/AZ=71.7 140.1
sdW=53.5
fwW=0.00
sdS=72.9
fwS=2.21
0 0 0 0 0 0 0 0 0


sdN=93.7
fwN=2.57
sdE=60.8
fwE=2.14
20200114T172800.0001.fits
SecZ=1.05
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.2 17.1 18.8
ALT/AZ=71.9 141.0
fwAVG=2.26
sdW=35.3
fwW=2.21
sdS=55.7
fwS=2.11
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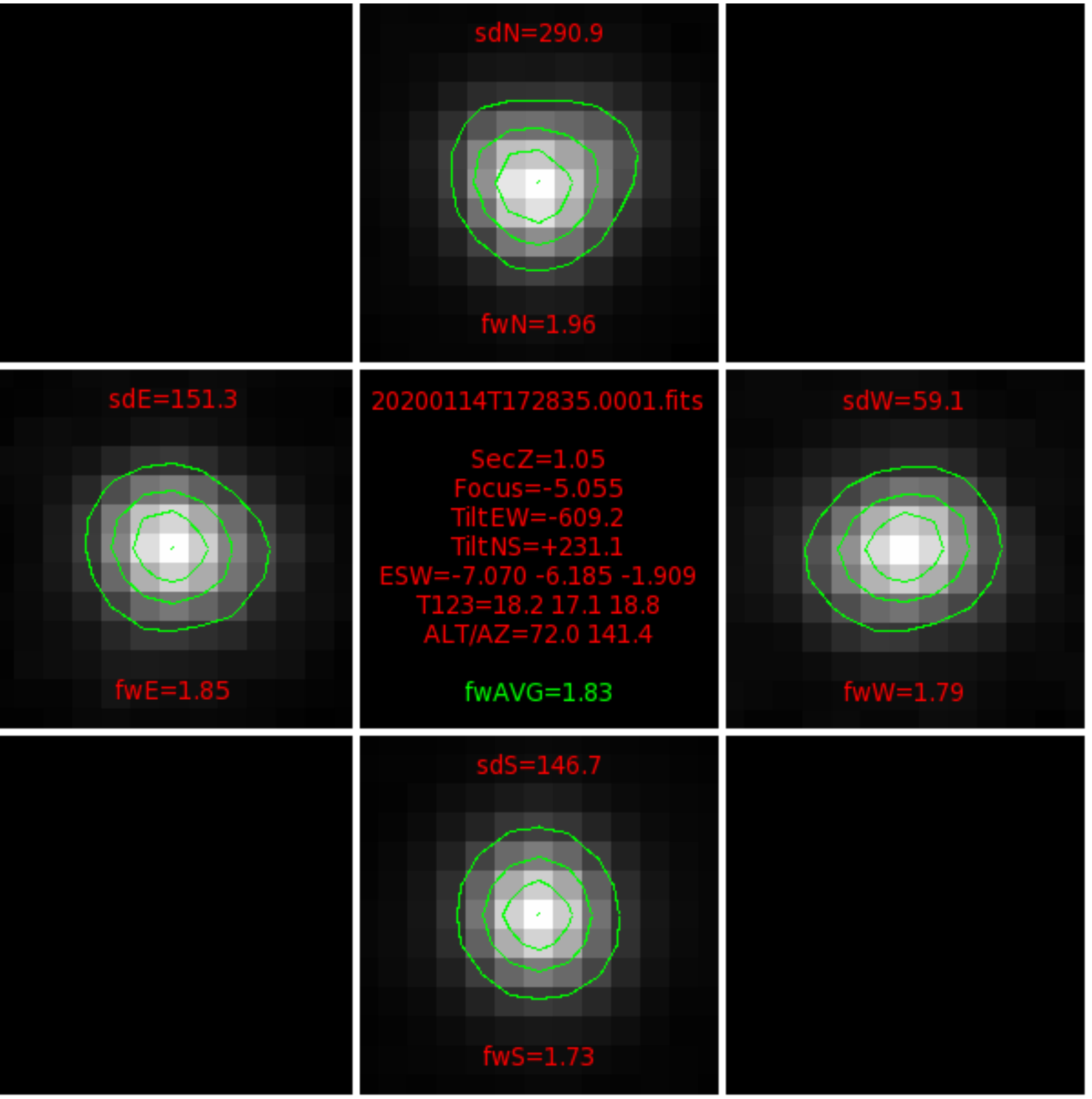
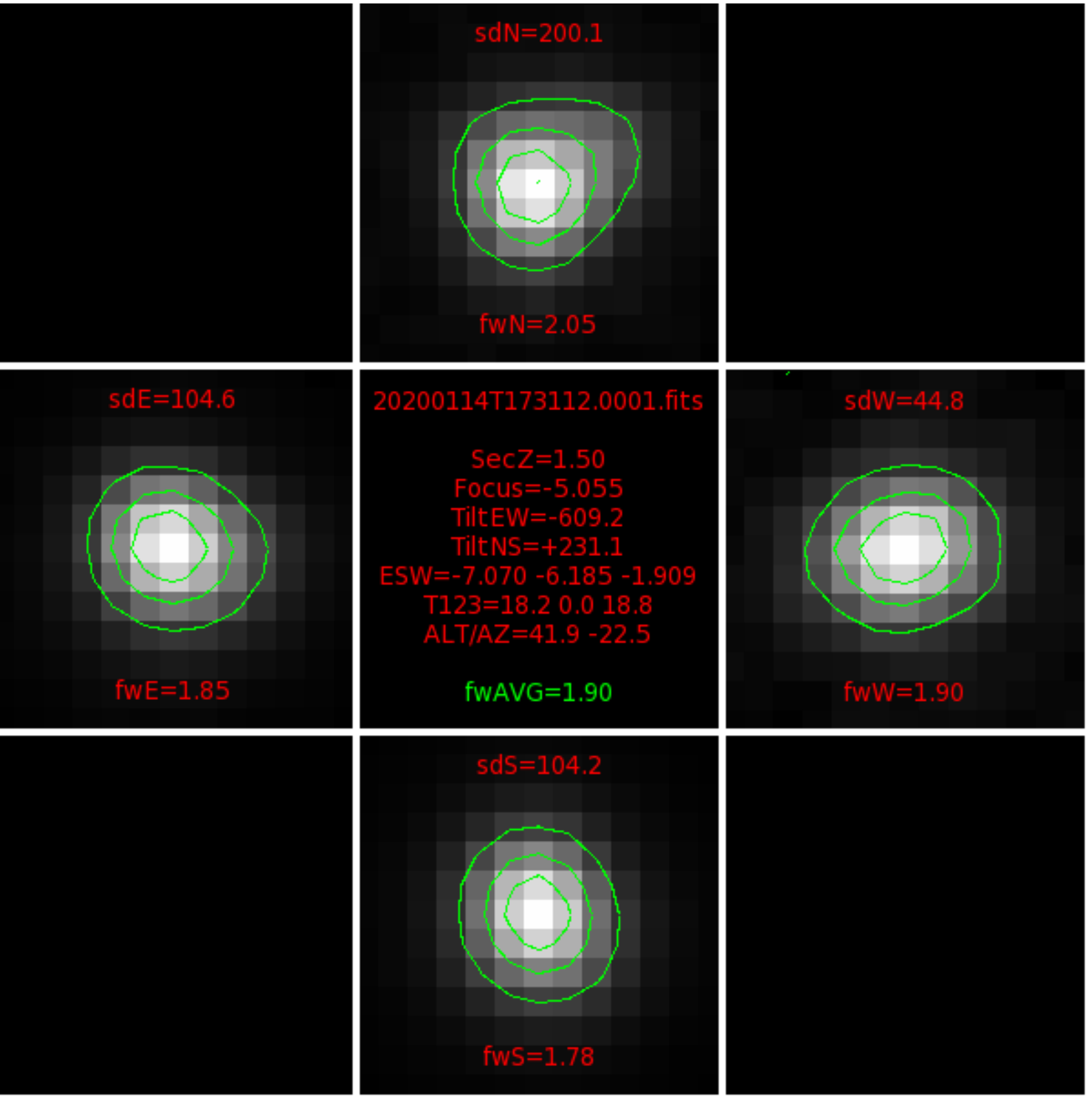
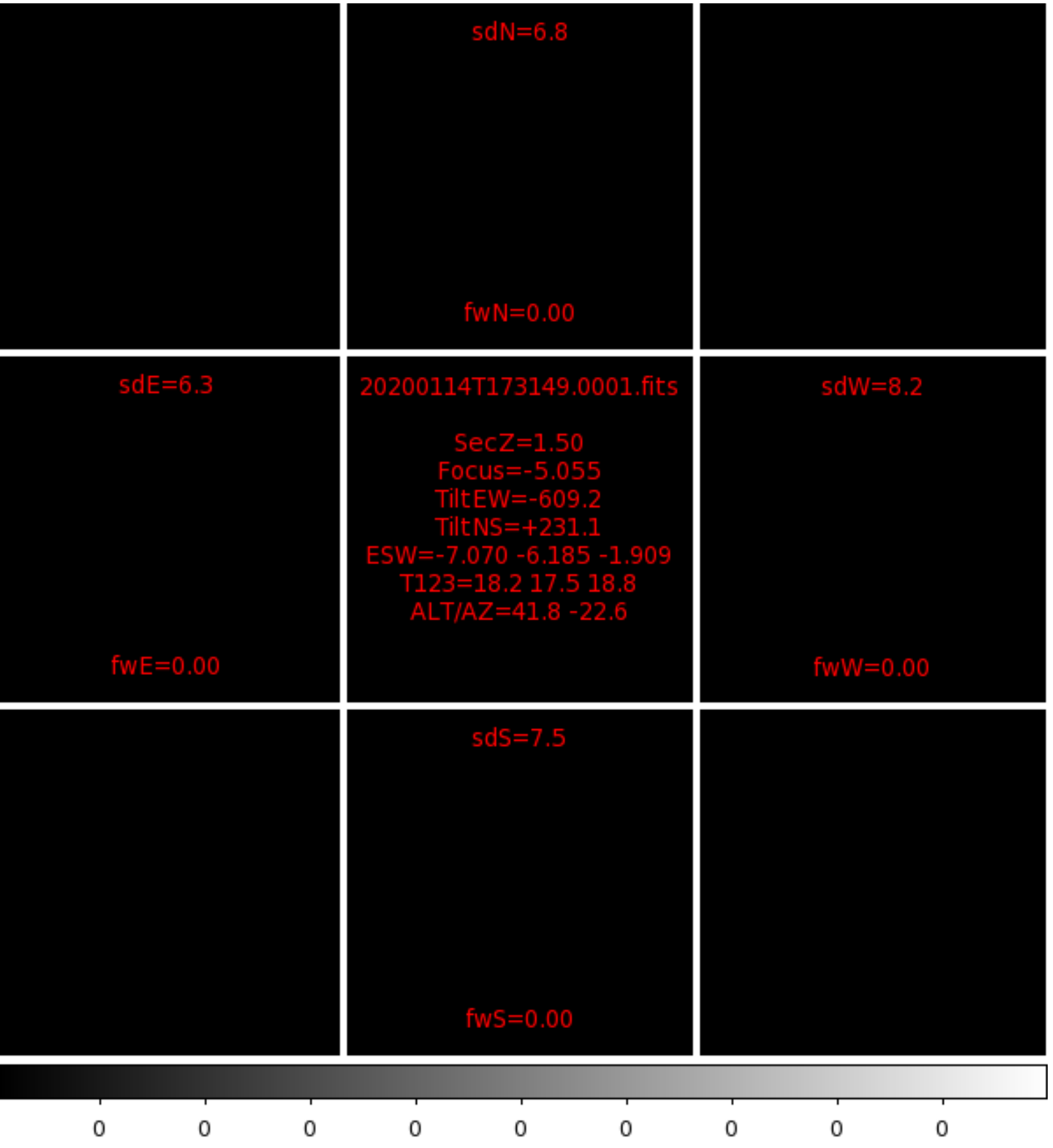
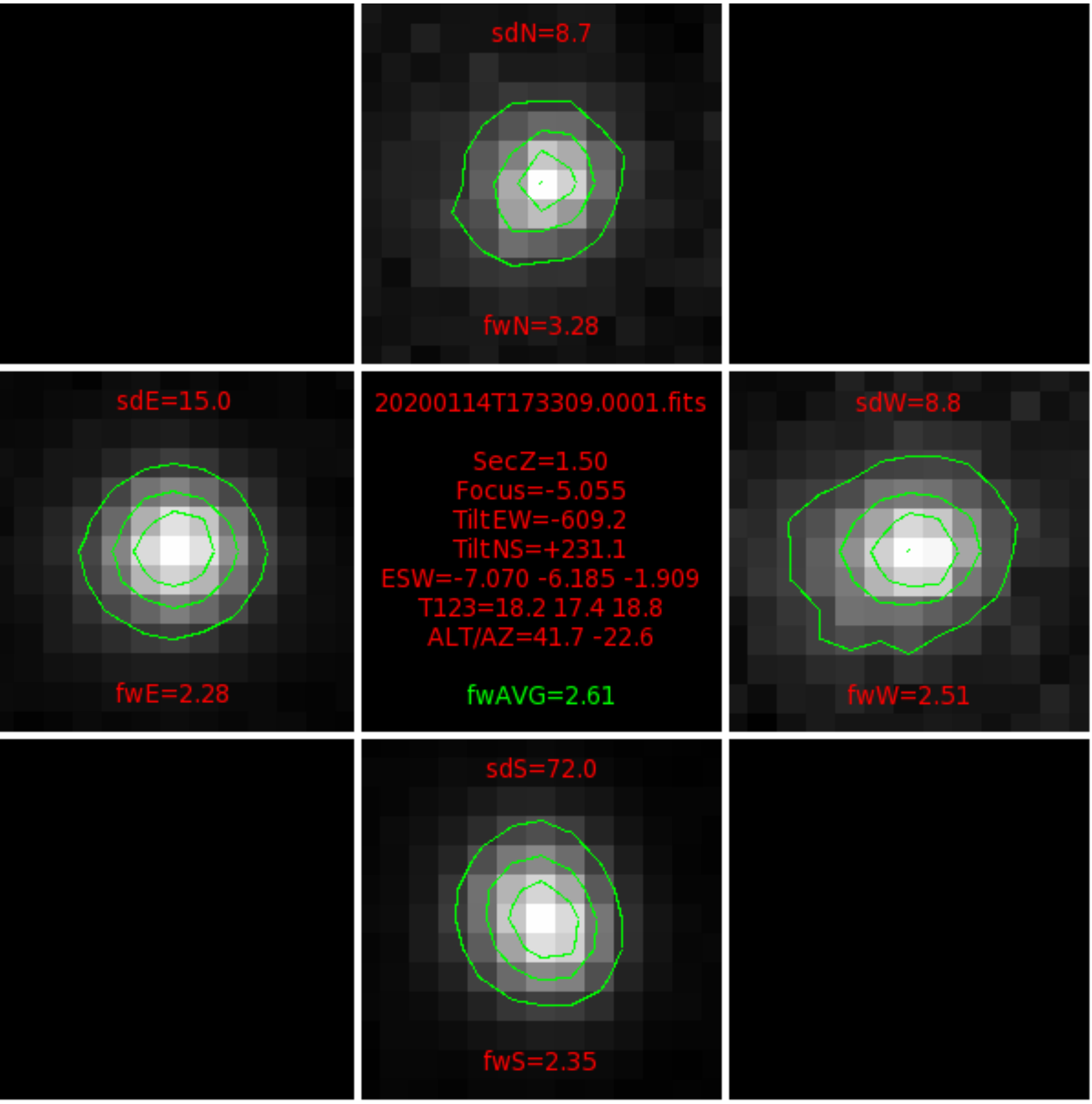
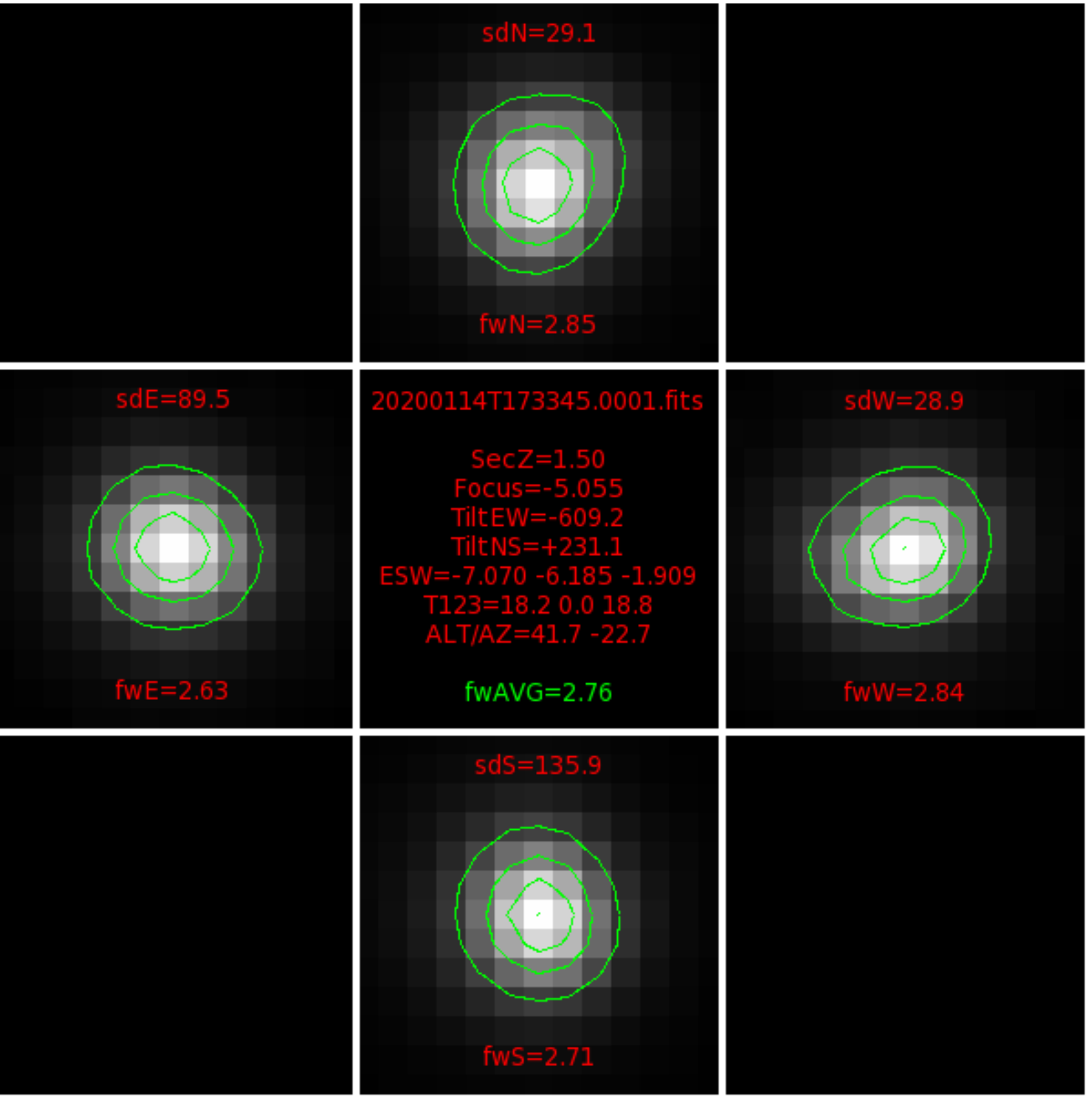

sdN=290.9
fwN=1.96
sdE=151.3
fwE=1.85
20200114T172835.0001.fits
SecZ=1.05
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.2 17.1 18.8
ALT/AZ=72.0 141.4
fwAVG=1.83
sdW=59.1
fwW=1.79
sdS=146.7
fwS=1.73
0 0 0 0 0 0 0 0 0


sdN=200.1
fwN=2.05
sdE=104.6
fwE=1.85
20200114T173112.0001.fits
SecZ=1.50
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.2 0.0 18.8
ALT/AZ=41.9 -22.5
fwAVG=1.90
sdW=44.8
fwW=1.90
sdS=104.2
fwS=1.78
0 0 0 0 0 0 0 0 0


sdN=6.8
fwN=0.00
sdE=6.3
20200114T173149.0001.fits
SecZ=1.50
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.2 17.5 18.8
ALT/AZ=41.8 -22.6
sdW=8.2
fwE=0.00
fwW=0.00
sdS=7.5
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=8.7
fwN=3.28
sdE=15.0
fwE=2.28
20200114T173309.0001.fits
SecZ=1.50
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.2 17.4 18.8
ALT/AZ=41.7 -22.6
fwAVG=2.61
sdW=8.8
fwW=2.51
sdS=72.0
fwS=2.35
0 0 0 0 0 0 0 0 0


sdN=29.1
fwN=2.85
sdE=89.5
fwE=2.63
20200114T173345.0001.fits
SecZ=1.50
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.2 0.0 18.8
ALT/AZ=41.7 -22.7
fwAVG=2.76
sdW=28.9
fwW=2.84
sdS=135.9
fwS=2.71
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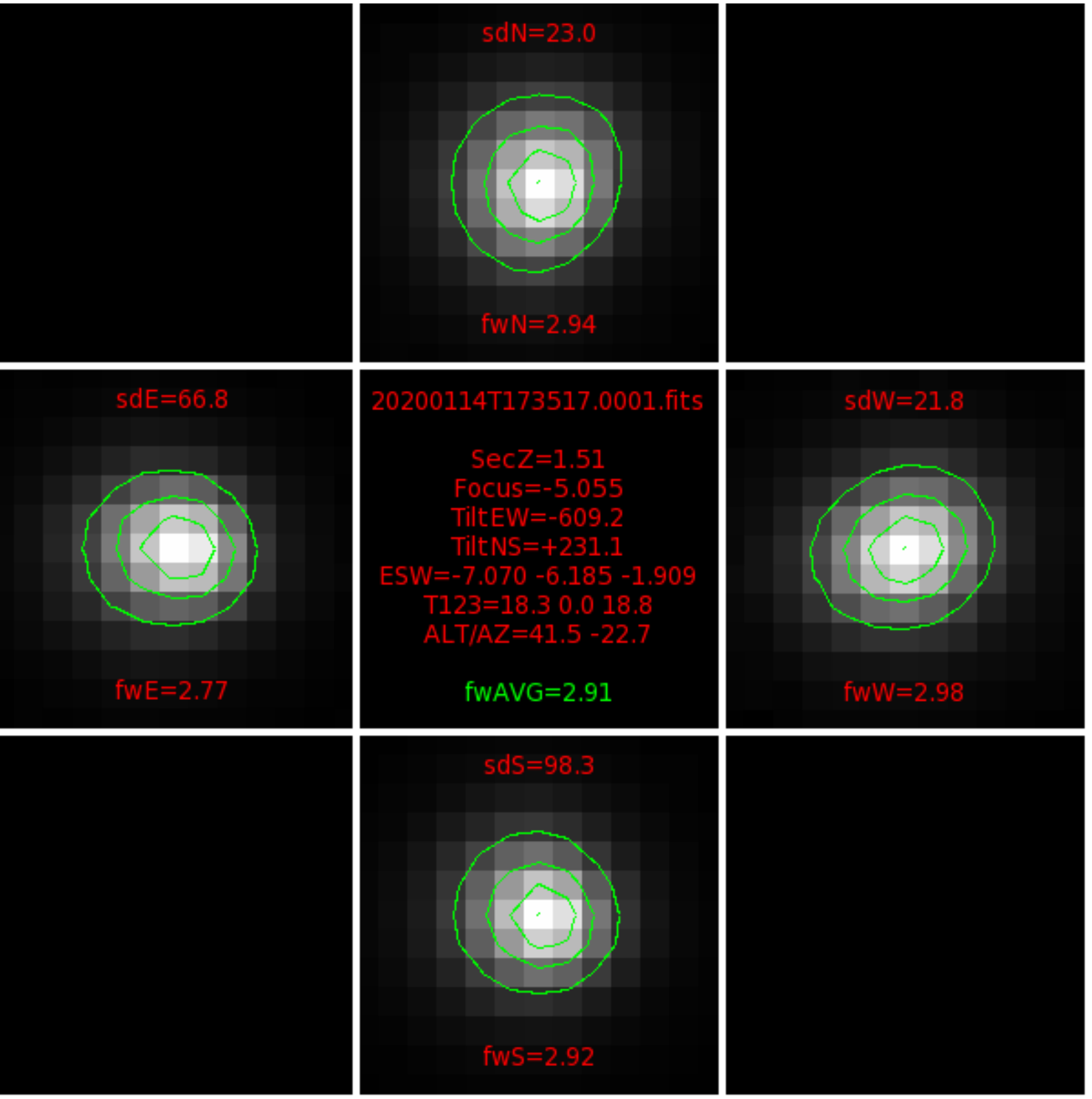
sdN=23.0
fwN=2.94
sdE=66.8
fwE=2.77
20200114T173517.0001.fits
SecZ=1.51
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.3 0.0 18.8
ALT/AZ=41.5 -22.7
fwAVG=2.91
sdW=21.8
fwW=2.98
sdS=98.3
fwS=2.92
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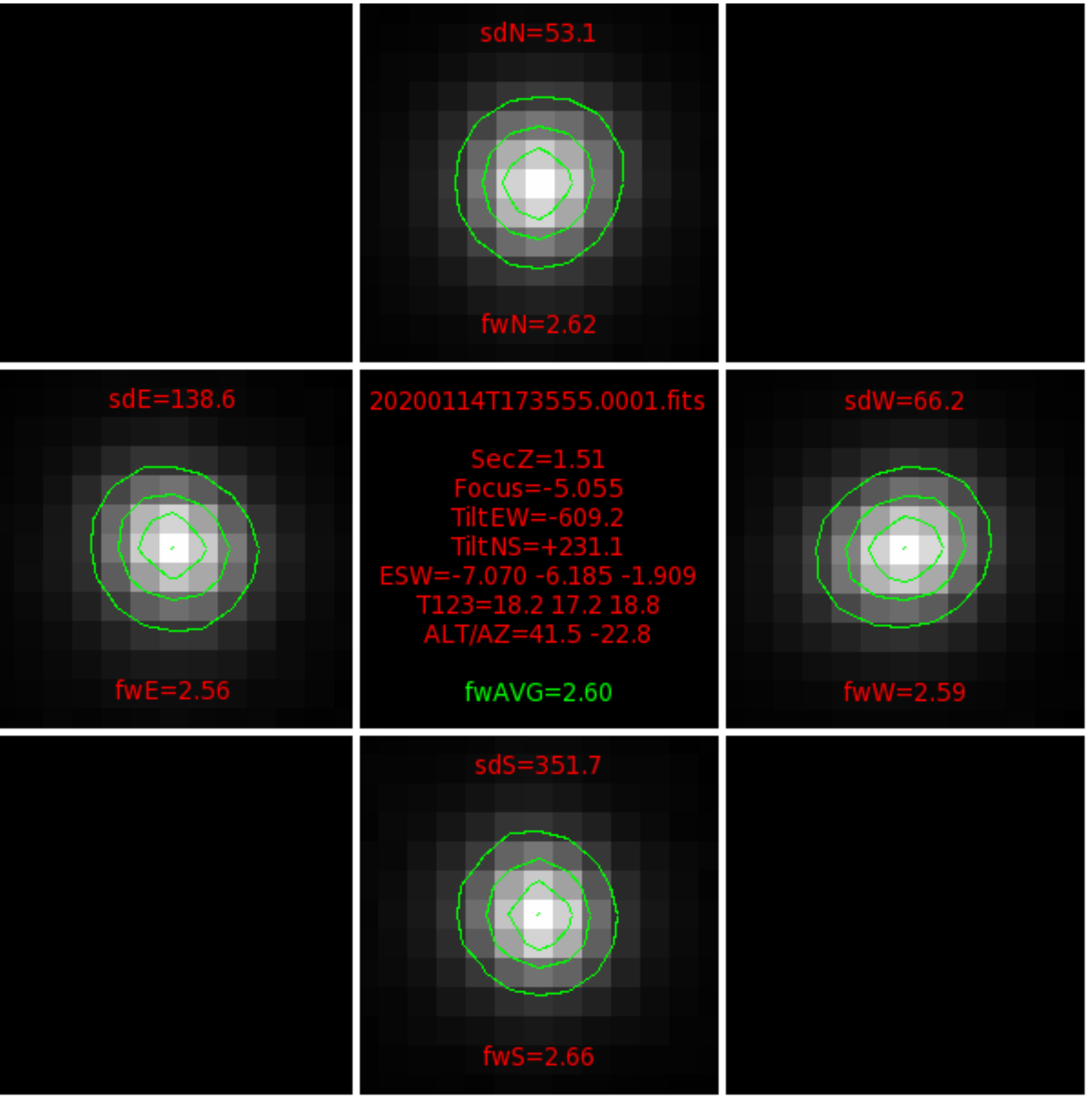
sdN=53.1
fwN=2.62
sdE=138.6
fwE=2.56
20200114T173555.0001.fits
SecZ=1.51
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.2 17.2 18.8
ALT/AZ=41.5 -22.8
fwAVG=2.60
sdW=66.2
fwW=2.59
sdS=351.7
fwS=2.66
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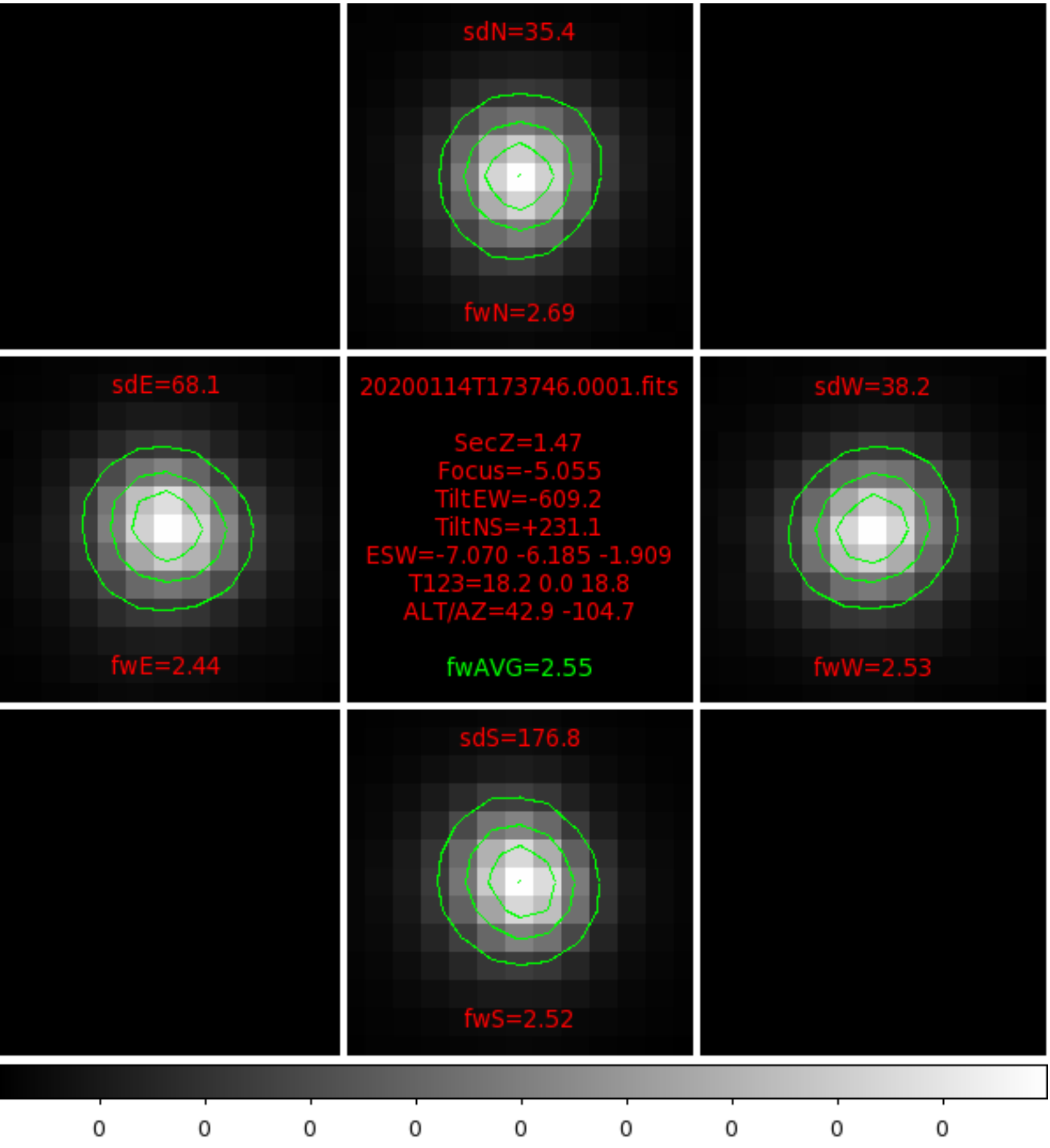
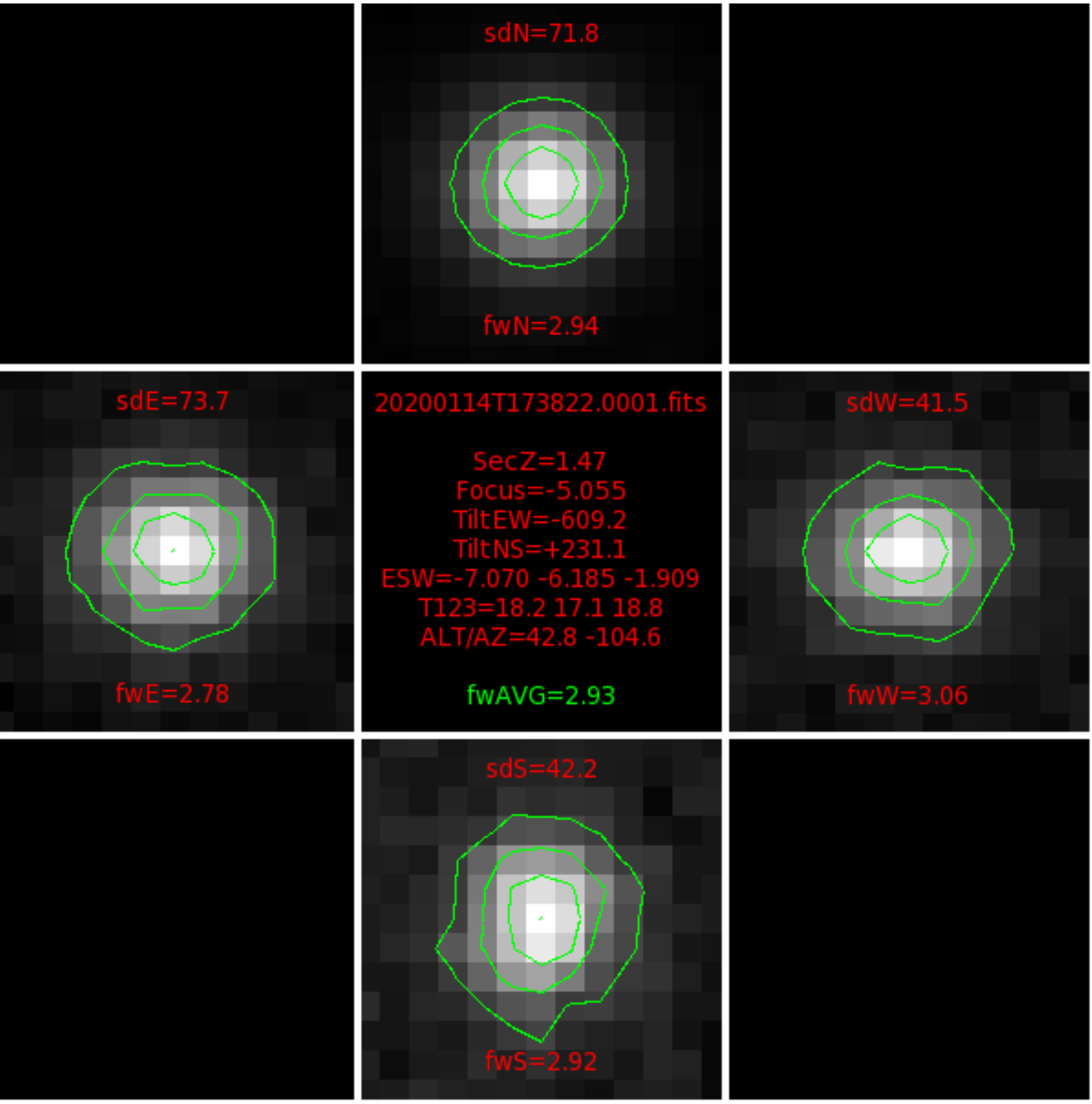
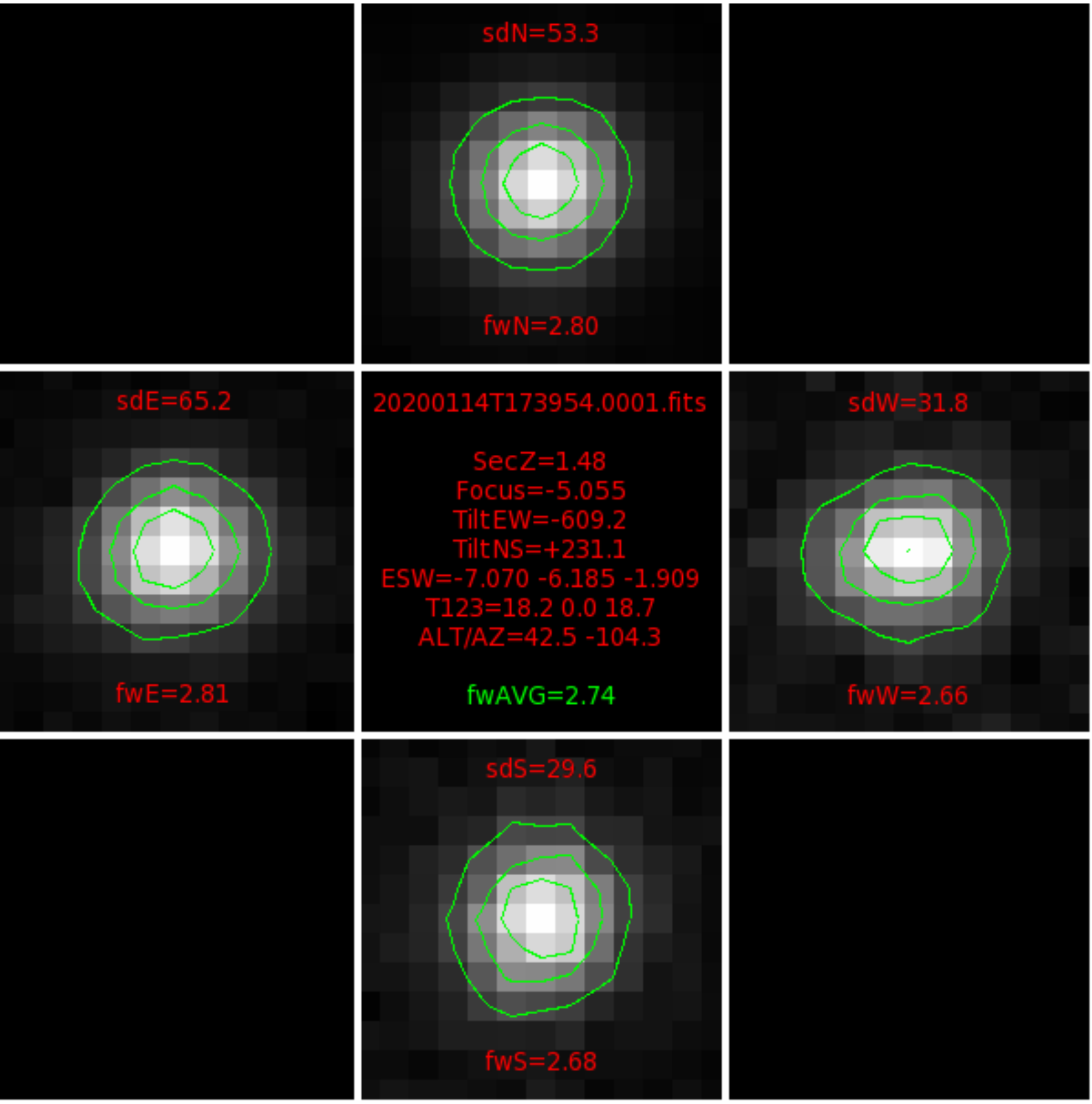
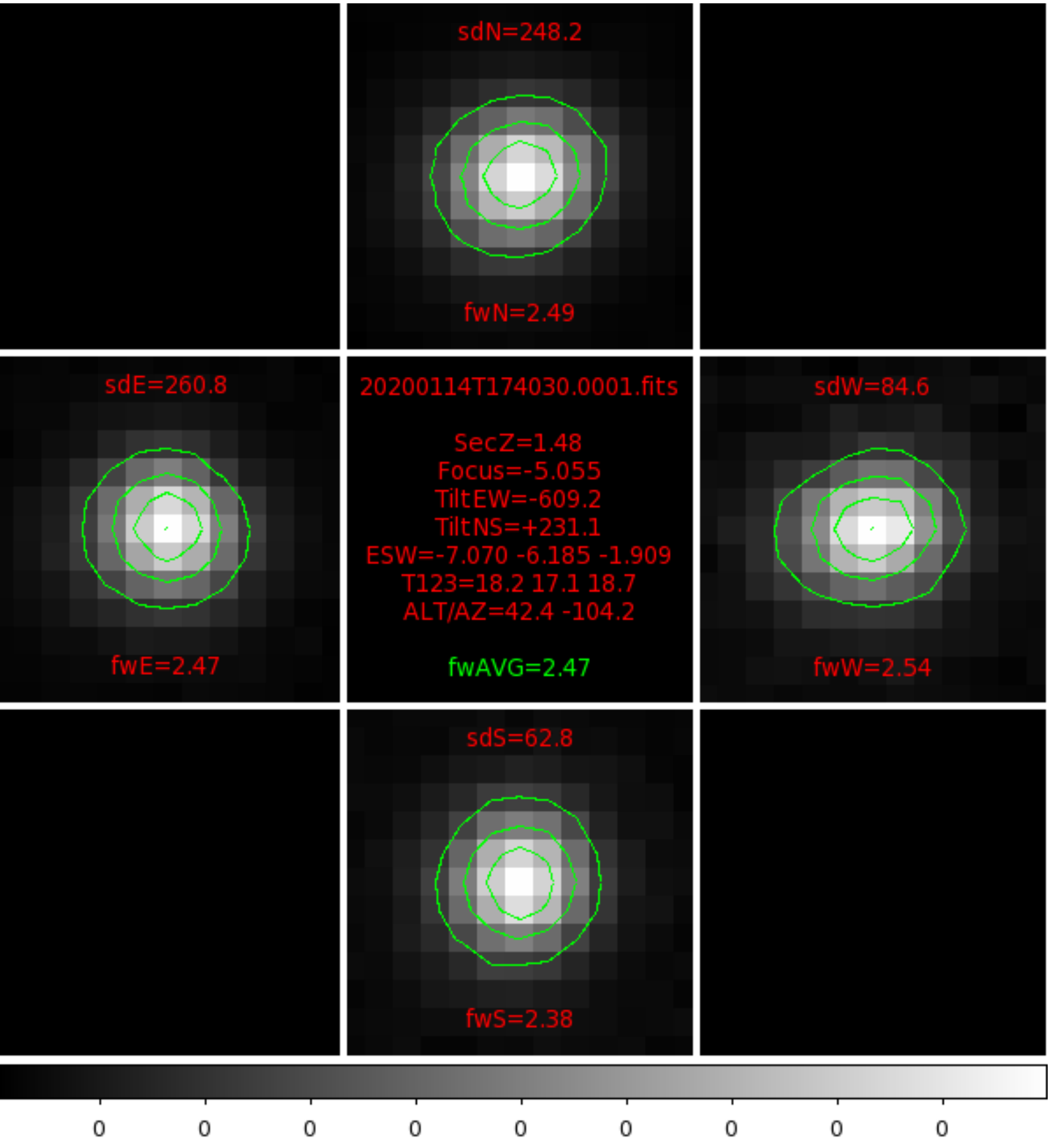

sdN=35.4
fwN=2.69
sdE=68.1
fwE=2.44
20200114T173746.0001.fits
SecZ=1.47
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.2 0.0 18.8
ALT/AZ=42.9 -104.7
fwAVG=2.55
sdW=38.2
fwW=2.53
sdS=176.8
fwS=2.52
0 0 0 0 0 0 0 0 0


sdN=71.8
fwN=2.94
sdE=73.7
fwE=2.78
20200114T173822.0001.fits
SecZ=1.47
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.2 17.1 18.8
ALT/AZ=42.8 -104.6
fwAVG=2.93
sdW=41.5
fwW=3.06
sdS=42.2
fwS=2.92
0 0 0 0 0 0 0 0 0


sdN=53.3
fwN=2.80
sdE=65.2
fwE=2.81
20200114T173954.0001.fits
SecZ=1.48
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.2 0.0 18.7
ALT/AZ=42.5 -104.3
fwAVG=2.74
sdW=31.8
fwW=2.66
sdS=29.6
fwS=2.68
0 0 0 0 0 0 0 0 0


sdN=248.2
fwN=2.49
sdE=260.8
fwE=2.47
20200114T174030.0001.fits
SecZ=1.48
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.2 17.1 18.7
ALT/AZ=42.4 -104.2
fwAVG=2.47
sdW=84.6
fwW=2.54
sdS=62.8
fwS=2.38
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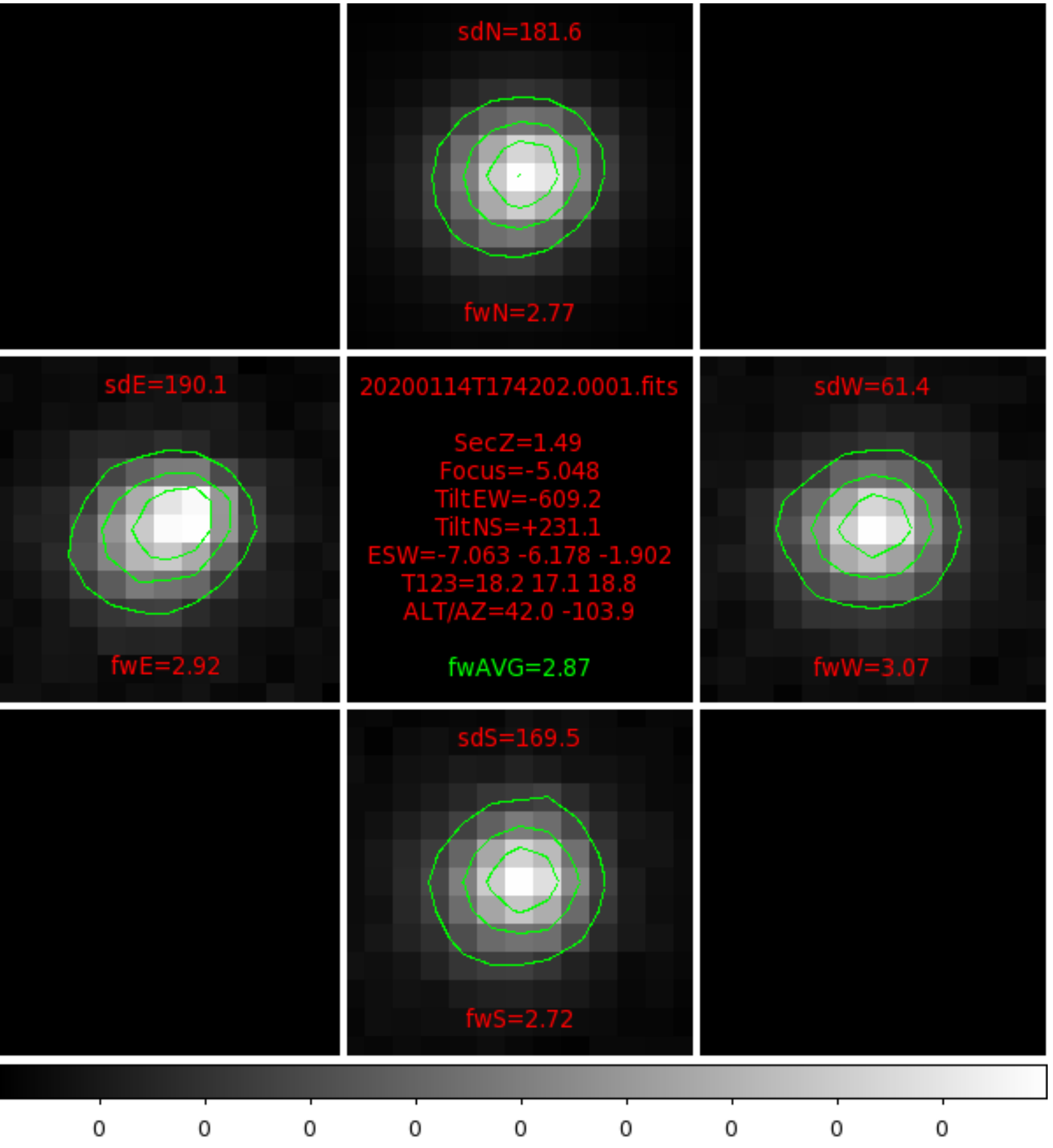
sdN=181.6
fwN=2.77
sdE=190.1
fwE=2.92
20200114T174202.0001.fits
SecZ=1.49
Focus=-5.048
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.063 -6.178 -1.902
T123=18.2 17.1 18.8
ALT/AZ=42.0 -103.9
fwAVG=2.87
sdW=61.4
fwW=3.07
sdS=169.5
fwS=2.72
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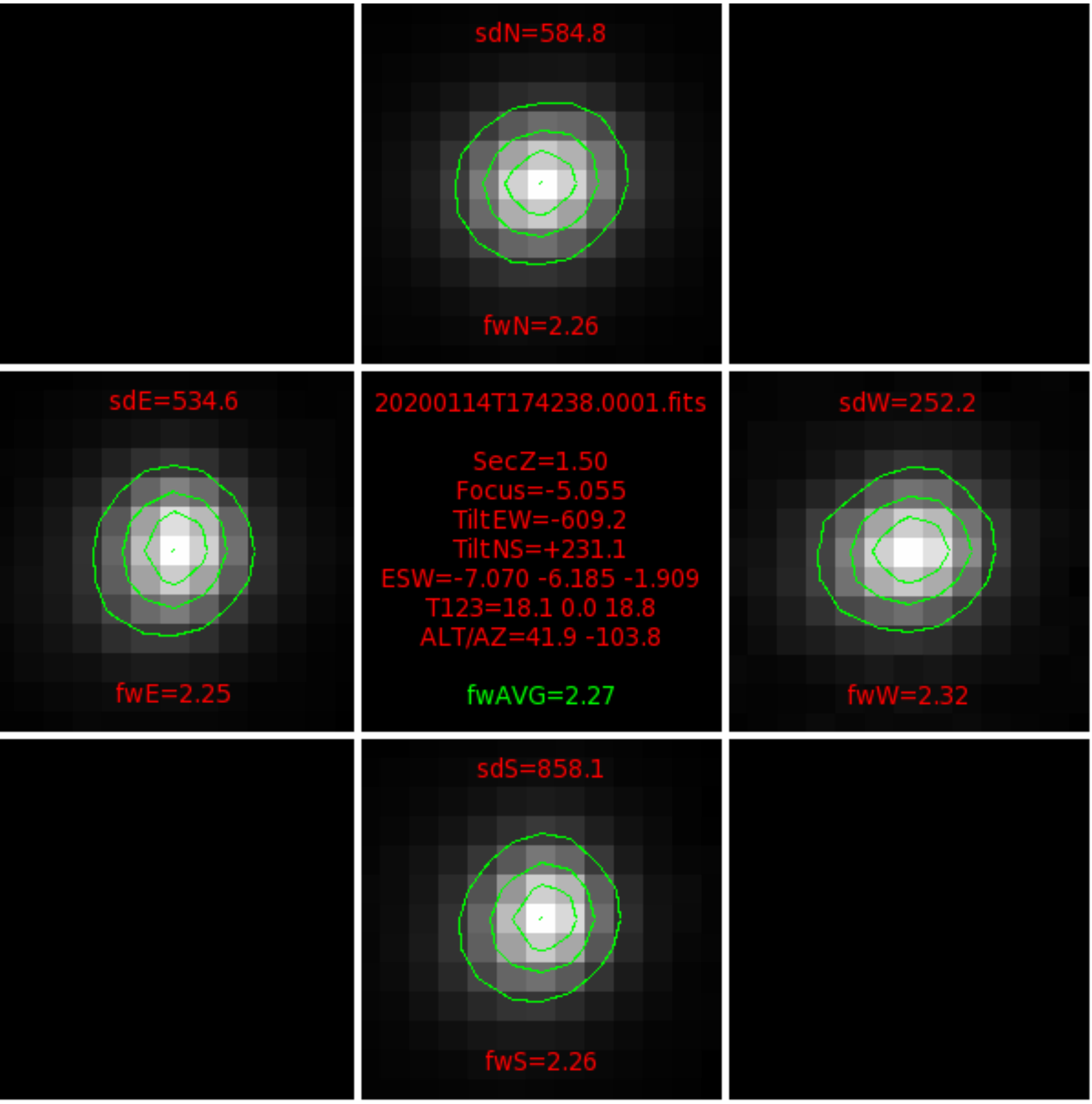
sdN=584.8
fwN=2.26
sdE=534.6
fwE=2.25
20200114T174238.0001.fits
SecZ=1.50
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.1 0.0 18.8
ALT/AZ=41.9 -103.8
fwAVG=2.27
sdW=252.2
fwW=2.32
sdS=858.1
fwS=2.26
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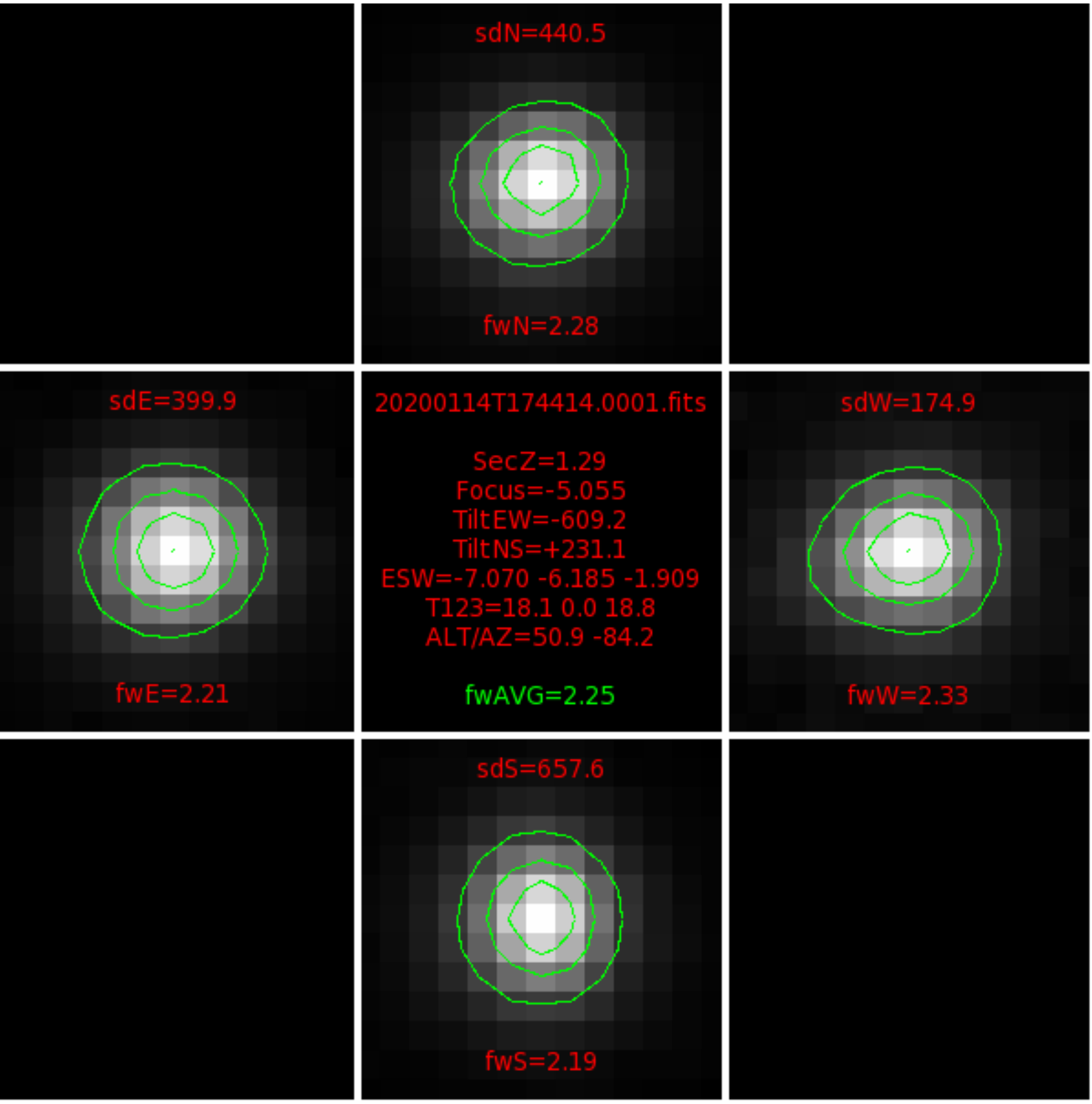
sdN=440.5
fwN=2.28
sdE=399.9
fwE=2.21
20200114T174414.0001.fits
SecZ=1.29
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.1 0.0 18.8
ALT/AZ=50.9 -84.2
fwAVG=2.25
sdW=174.9
fwW=2.33
sdS=657.6
fwS=2.19
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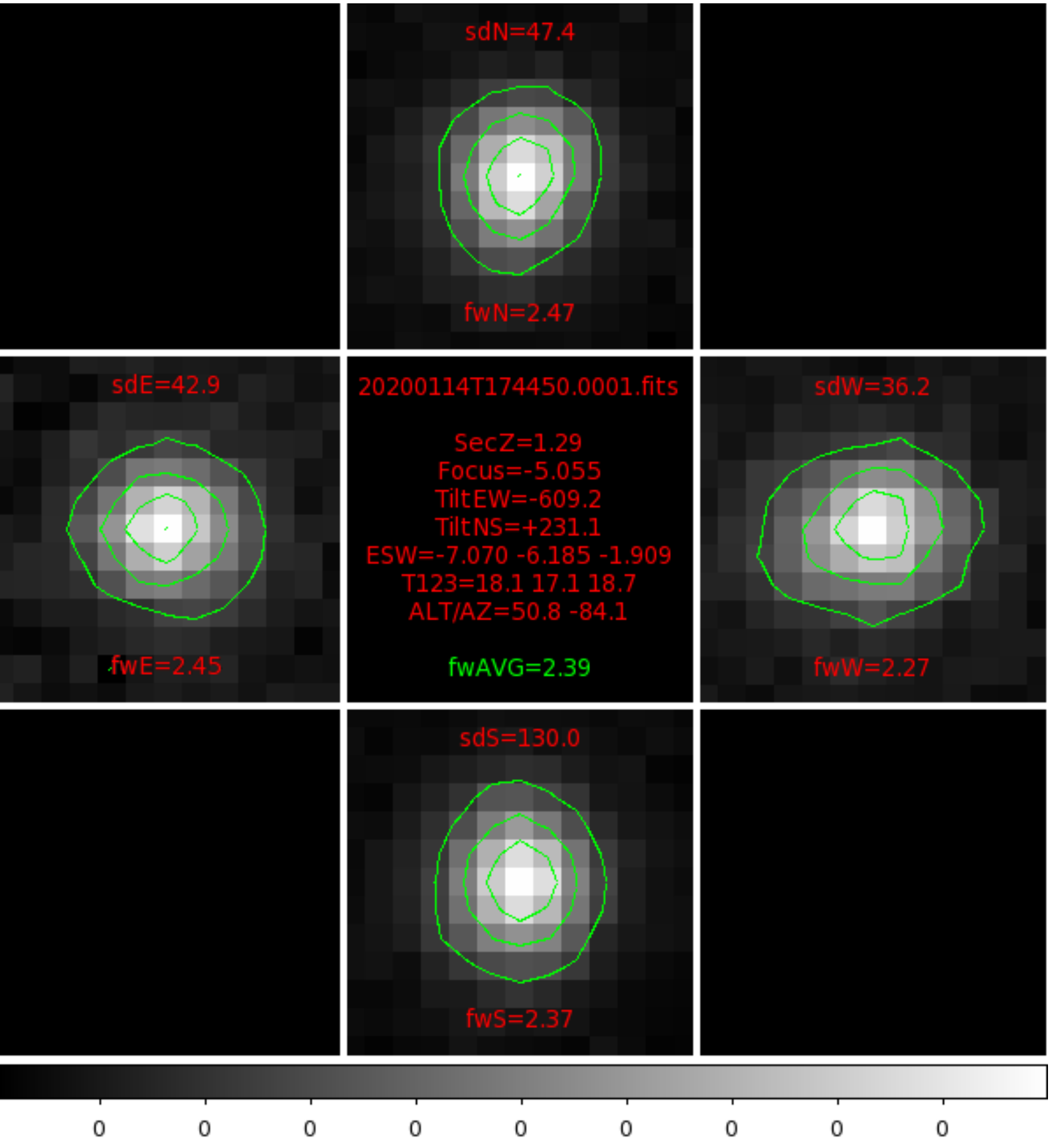
sdN=47.4
fwN=2.47
sdE=42.9
fwE=2.45
20200114T174450.0001.fits
SecZ=1.29
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.1 17.1 18.7
ALT/AZ=50.8 -84.1
fwAVG=2.39
sdW=36.2
fwW=2.27
sdS=130.0
fwS=2.37
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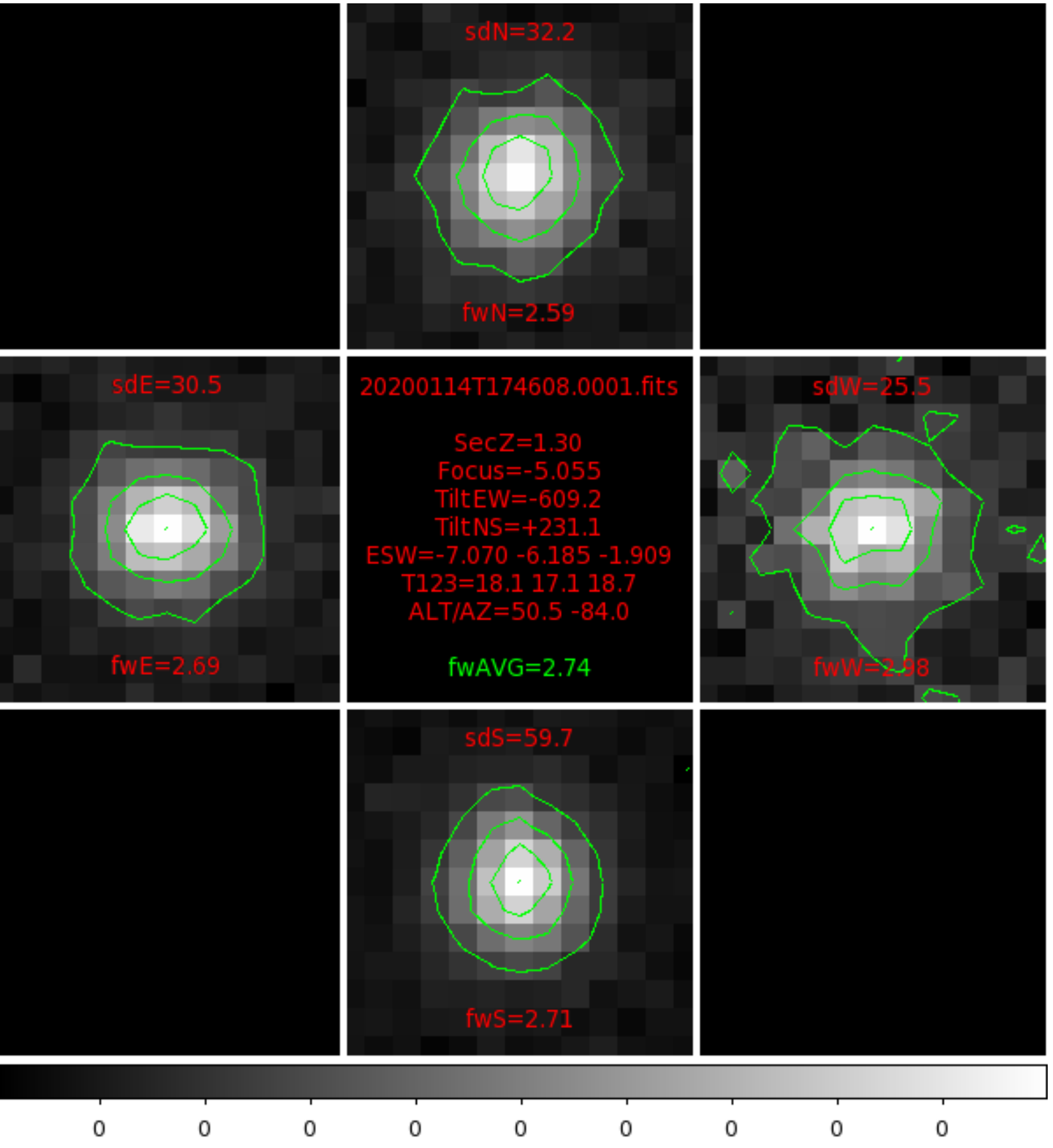
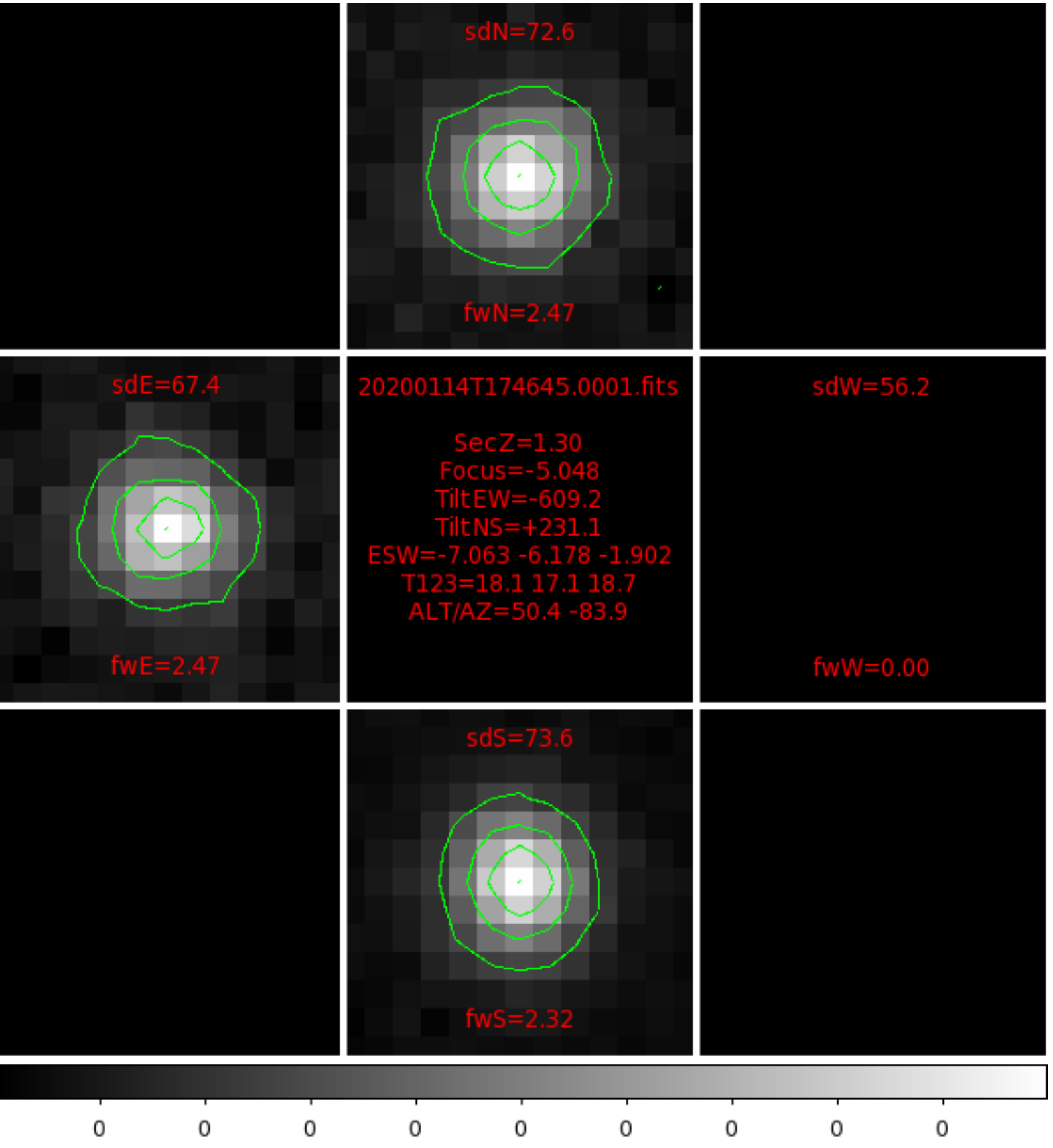
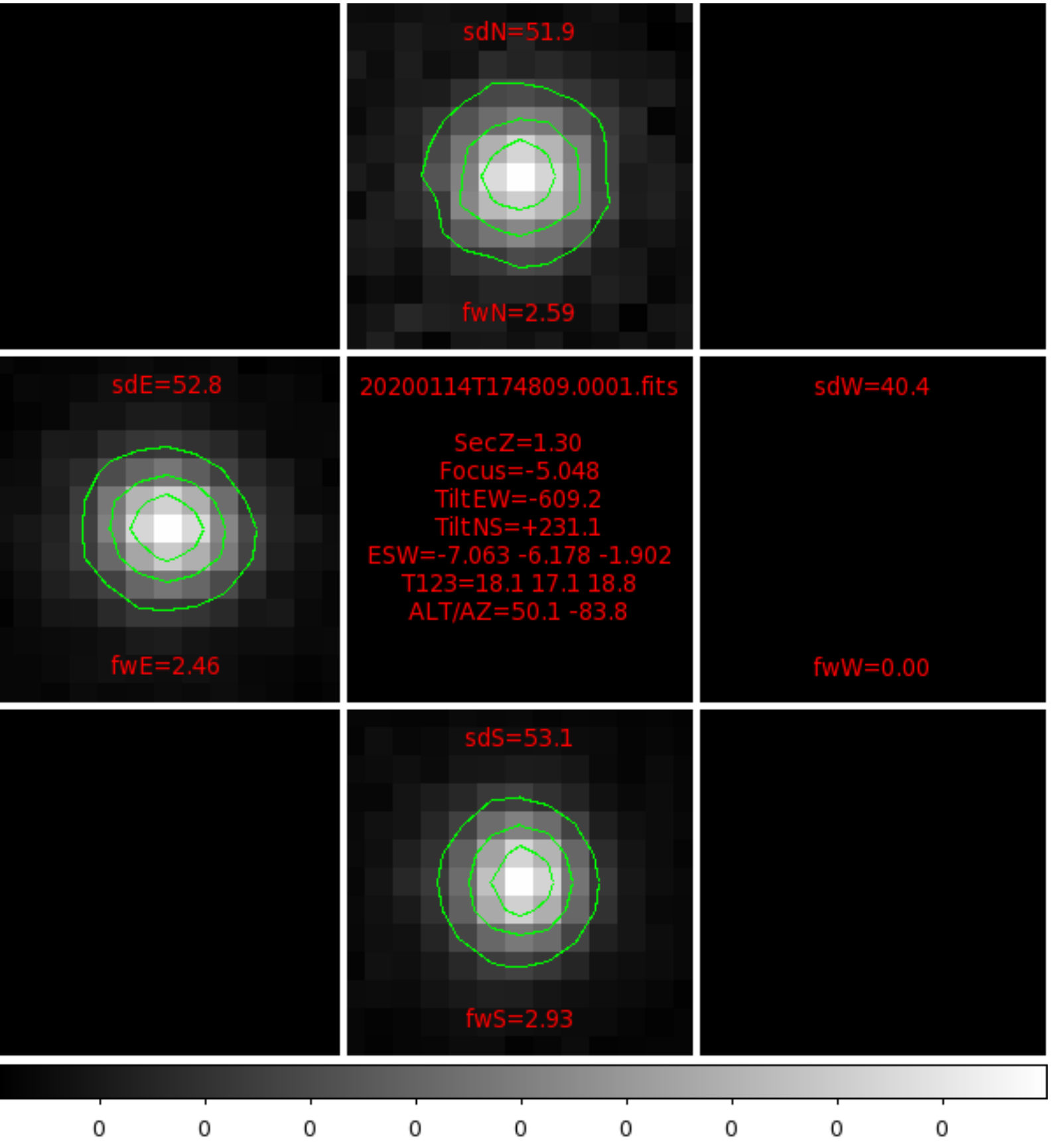
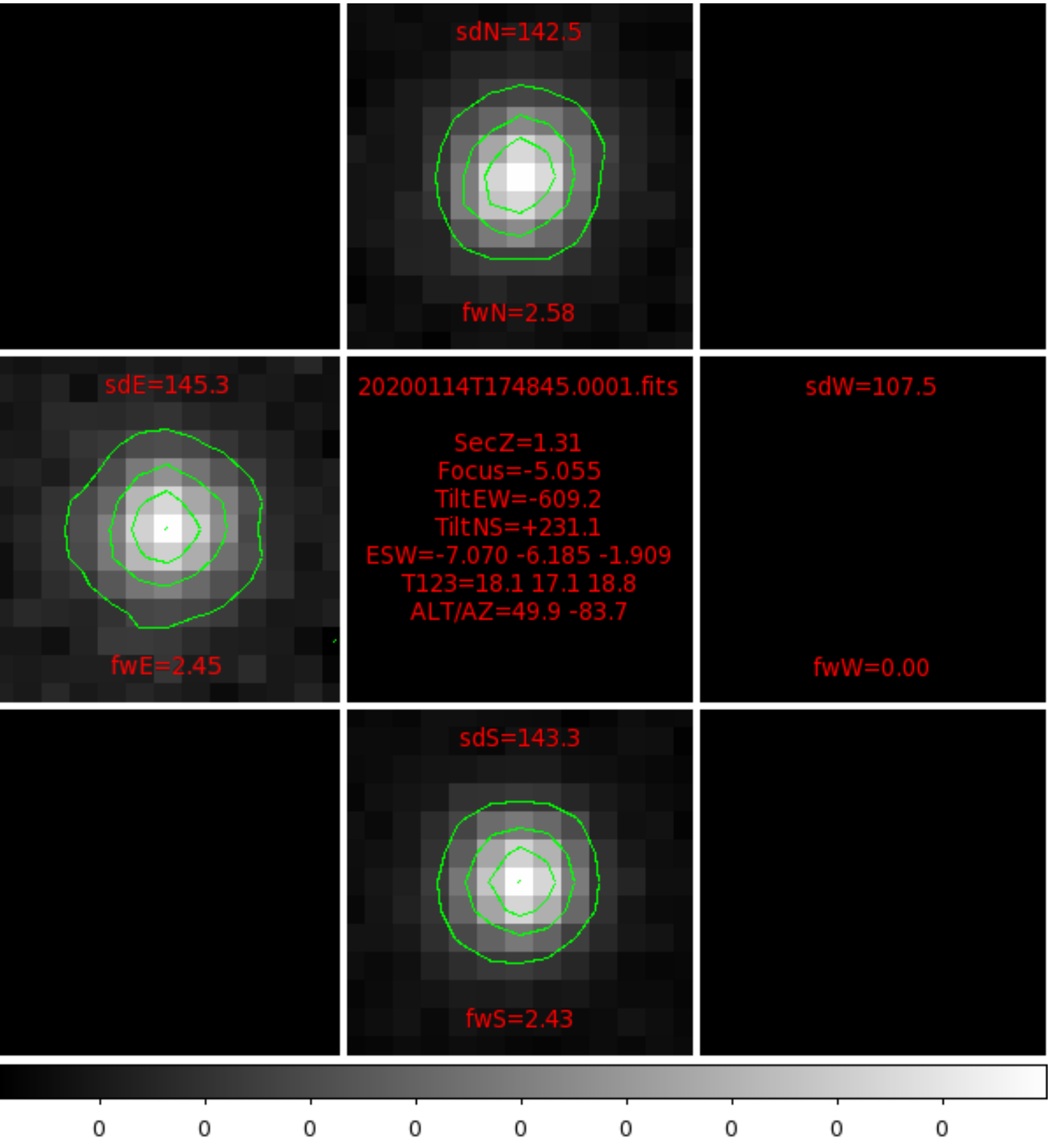
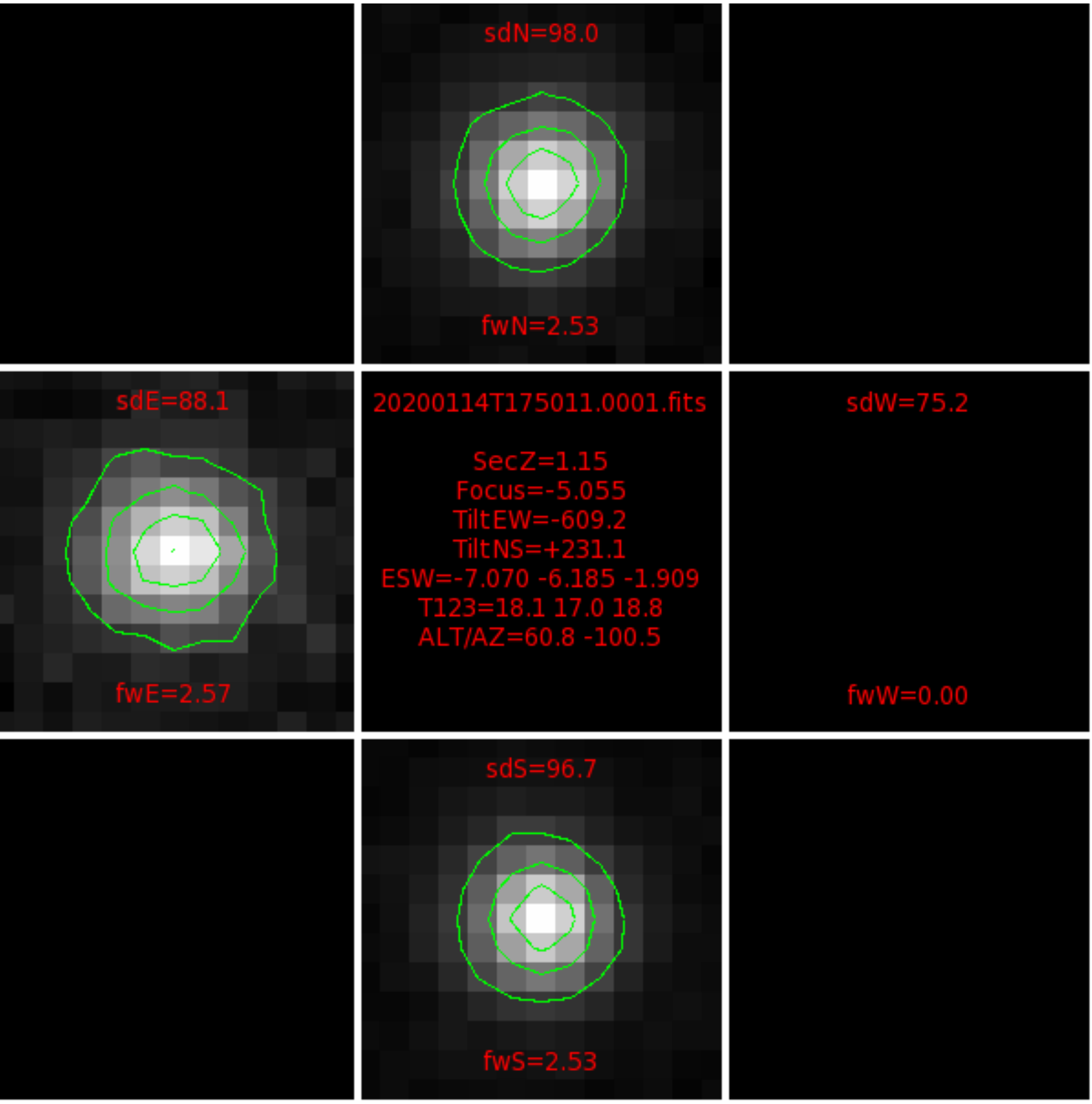
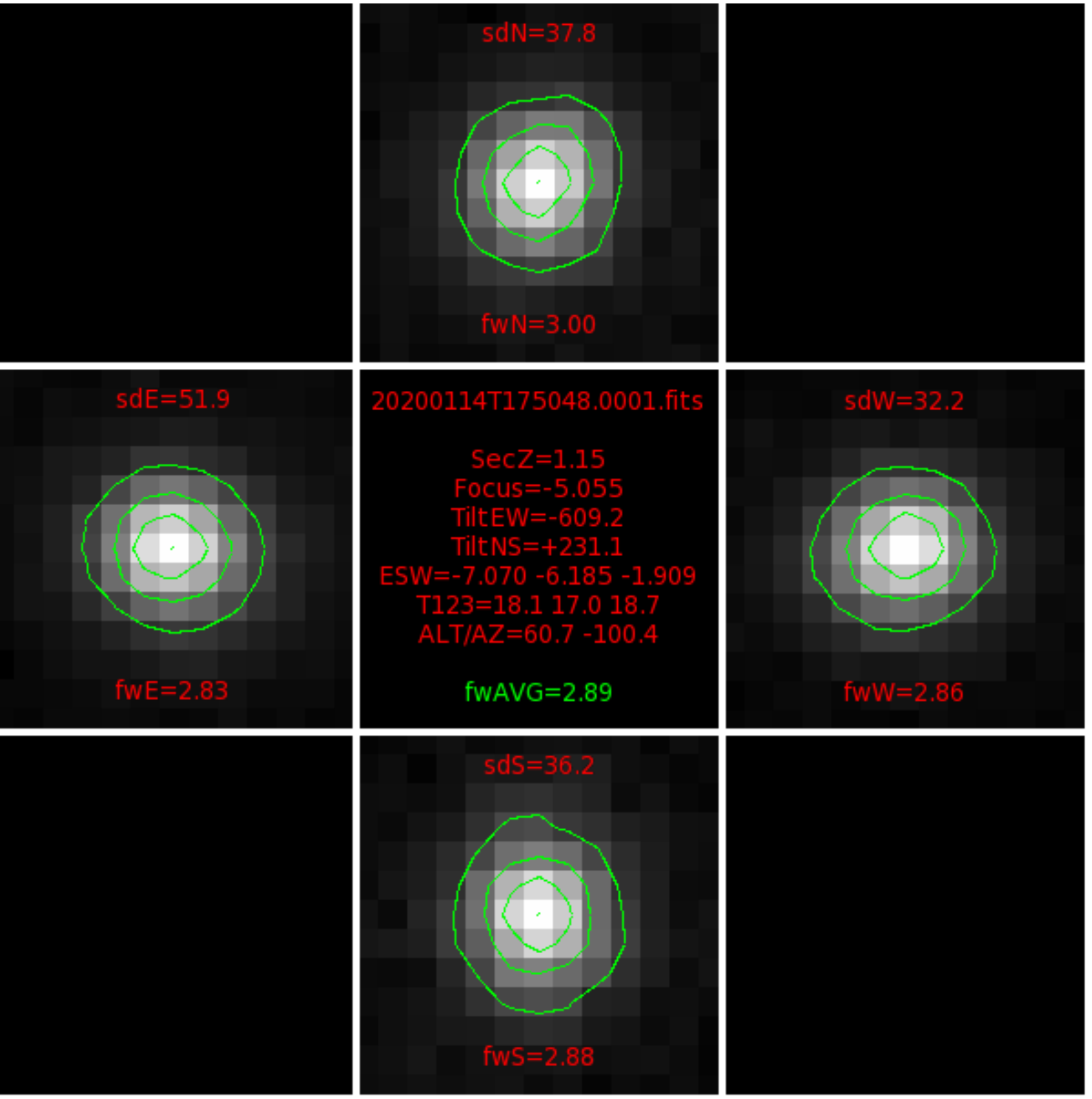

sdN=32.2
fwN=2.59
sdE=30.5
fwE=2.69
20200114T174608.0001.fits
SecZ=1.30
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.1 17.1 18.7
ALT/AZ=50.5 -84.0
fwAVG=2.74
sdW=25.5
fwW=2.98
sdS=59.7
fwS=2.71
0 0 0 0 0 0 0 0 0


sdN=72.6
fwN=2.47
sdE=67.4
fwE=2.47
20200114T174645.0001.fits
SecZ=1.30
Focus=-5.048
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.063 -6.178 -1.902
T123=18.1 17.1 18.7
ALT/AZ=50.4 -83.9
sdW=56.2
fwW=0.00
sdS=73.6
fwS=2.32
0 0 0 0 0 0 0 0 0


sdN=51.9
fwN=2.59
sdE=52.8
fwE=2.46
20200114T174809.0001.fits
SecZ=1.30
Focus=-5.048
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.063 -6.178 -1.902
T123=18.1 17.1 18.8
ALT/AZ=50.1 -83.8
sdW=40.4
fwW=0.00
sdS=53.1
fwS=2.93
0 0 0 0 0 0 0 0 0


sdN=142.5
fwN=2.58
sdE=145.3
fwE=2.45
20200114T174845.0001.fits
SecZ=1.31
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.1 17.1 18.8
ALT/AZ=49.9 -83.7
sdW=107.5
fwW=0.00
sdS=143.3
fwS=2.43
0 0 0 0 0 0 0 0 0


sdN=98.0
fwN=2.53
sdE=88.1
fwE=2.57
20200114T175011.0001.fits
SecZ=1.15
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.1 17.0 18.8
ALT/AZ=60.8 -100.5
sdW=75.2
fwW=0.00
sdS=96.7
fwS=2.53
0 0 0 0 0 0 0 0 0


sdN=37.8
fwN=3.00
sdE=51.9
fwE=2.83
20200114T175048.0001.fits
SecZ=1.15
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.1 17.0 18.7
ALT/AZ=60.7 -100.4
fwAVG=2.89
sdW=32.2
fwW=2.86
sdS=36.2
fwS=2.88
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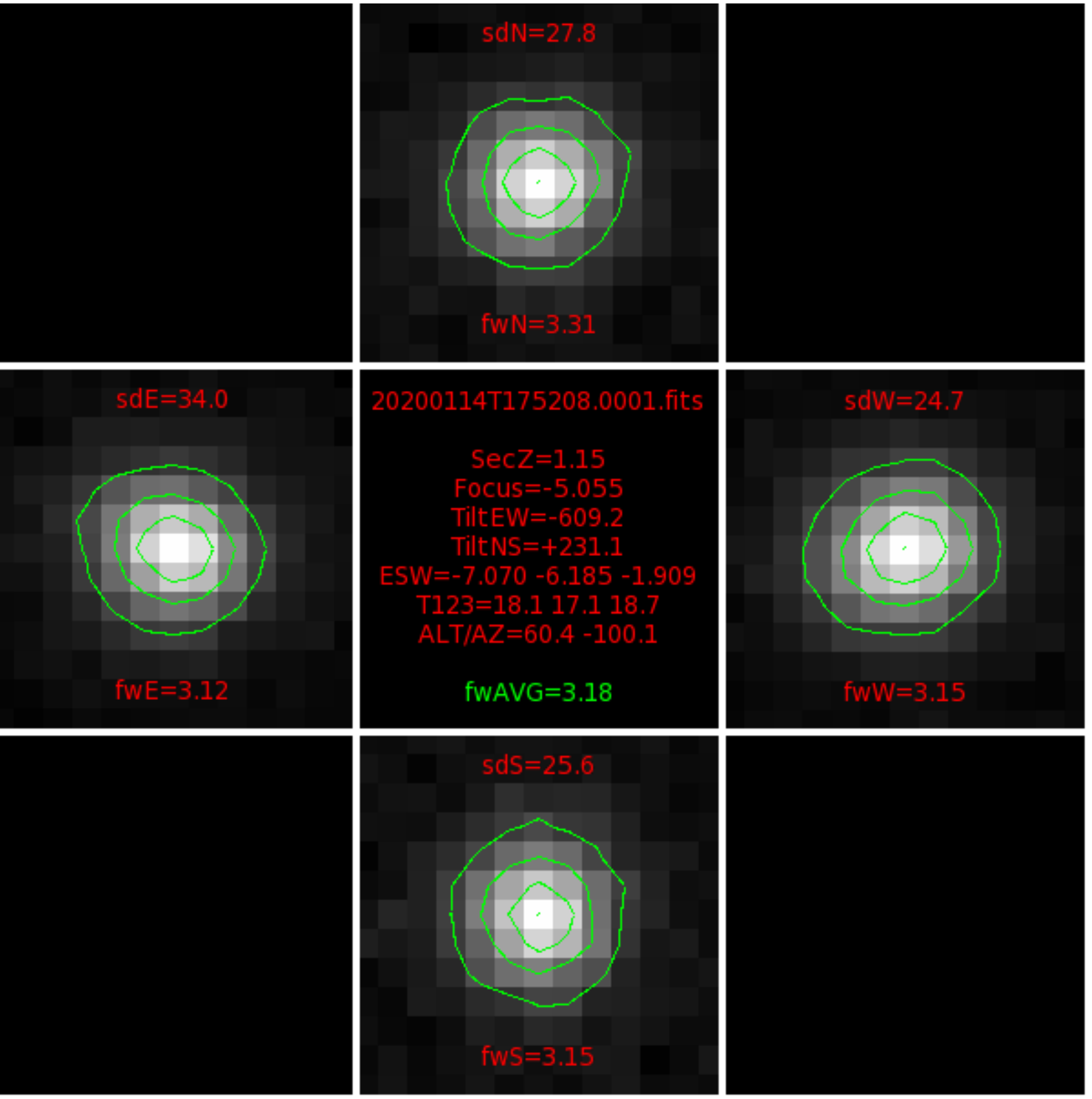
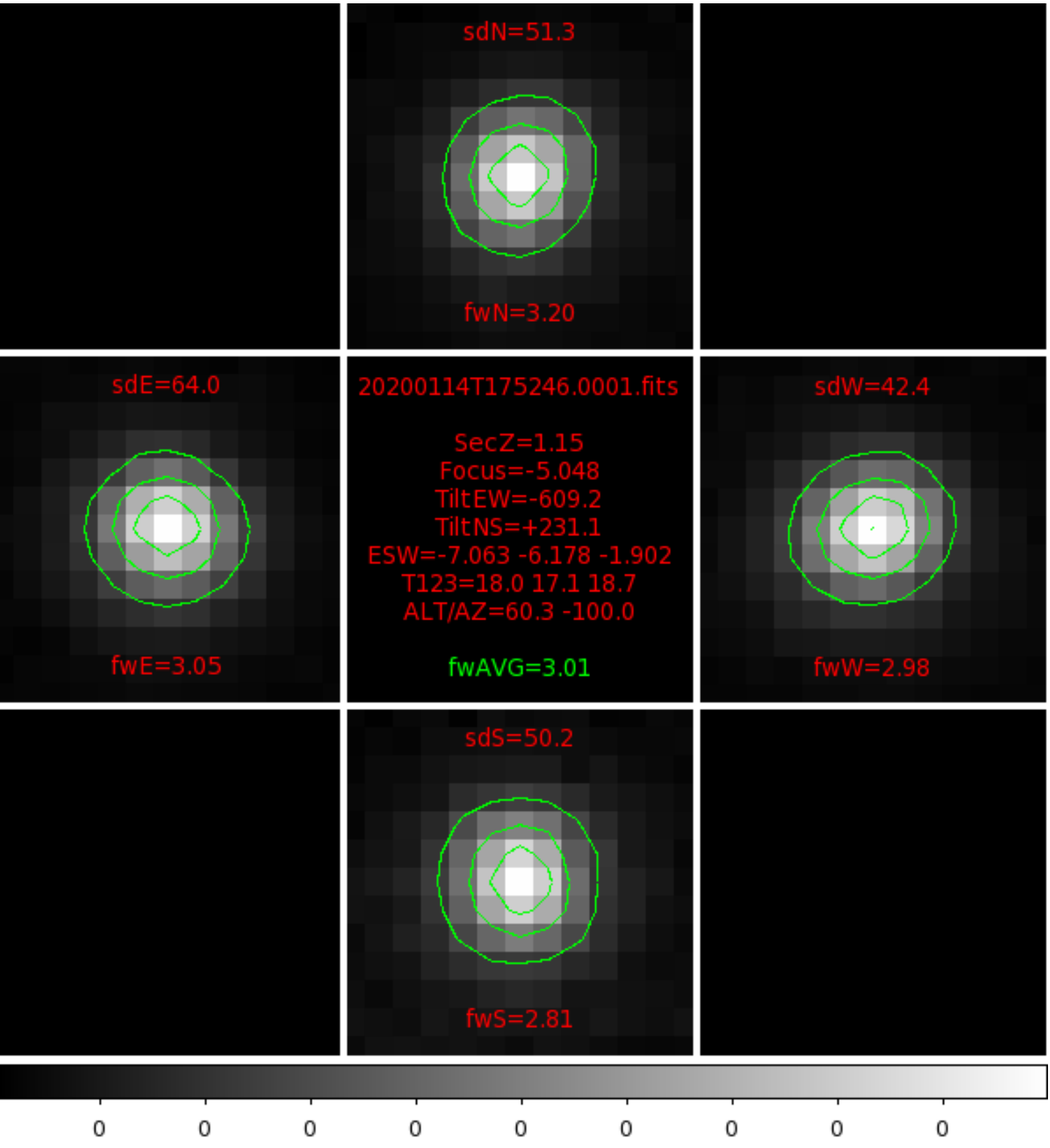

sdN=27.8
fwN=3.31
sdE=34.0
fwE=3.12
20200114T175208.0001.fits
SecZ=1.15
Focus=-5.055
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.070 -6.185 -1.909
T123=18.1 17.1 18.7
ALT/AZ=60.4 -100.1
fwAVG=3.18
sdW=24.7
fwW=3.15
sdS=25.6
fwS=3.15
0 0 0 0 0 0 0 0 0


sdN=51.3
fwN=3.20
sdE=64.0
fwE=3.05
20200114T175246.0001.fits
SecZ=1.15
Focus=-5.048
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.063 -6.178 -1.902
T123=18.0 17.1 18.7
ALT/AZ=60.3 -100.0
fwAVG=3.01
sdW=42.4
fwW=2.98
sdS=50.2
fwS=2.81
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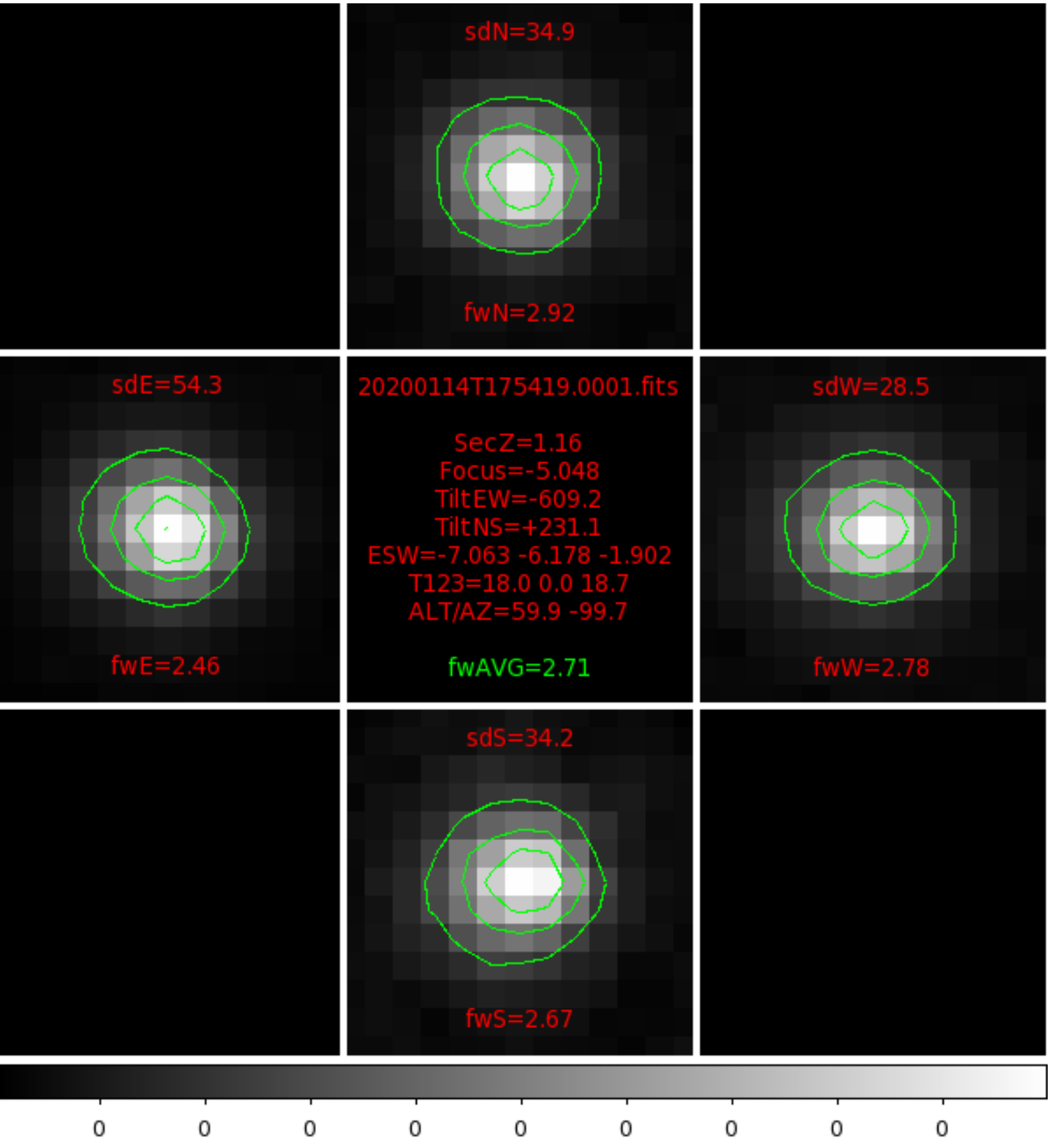
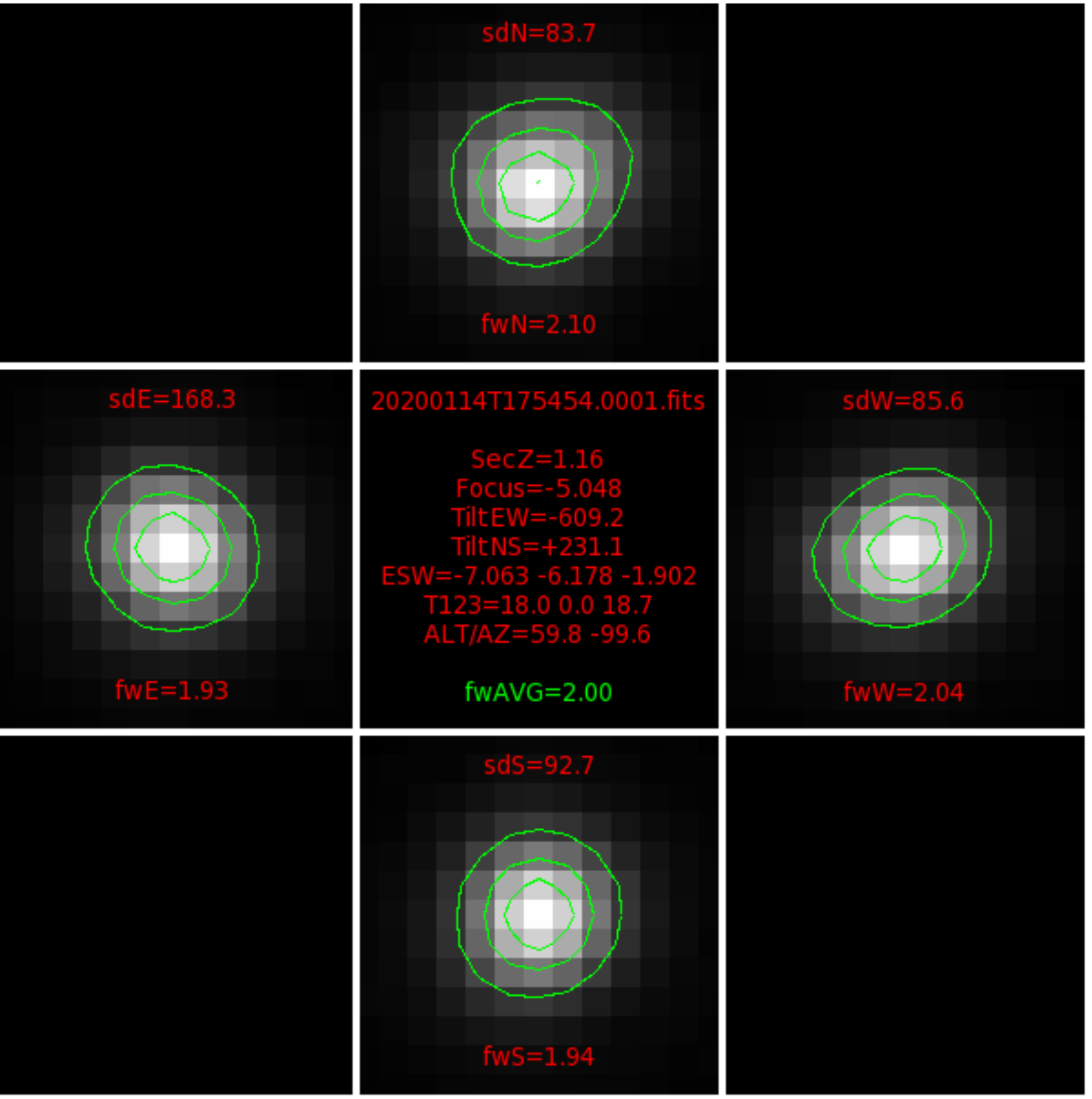

sdN=34.9
fwN=2.92
sdE=54.3
fwE=2.46
20200114T175419.0001.fits
SecZ=1.16
Focus=-5.048
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.063 -6.178 -1.902
T123=18.0 0.0 18.7
ALT/AZ=59.9 -99.7
fwAVG=2.71
sdW=28.5
fwW=2.78
sdS=34.2
fwS=2.67
0 0 0 0 0 0 0 0 0


sdN=83.7
fwN=2.10
sdE=168.3
fwE=1.93
20200114T175454.0001.fits
SecZ=1.16
Focus=-5.048
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.063 -6.178 -1.902
T123=18.0 0.0 18.7
ALT/AZ=59.8 -99.6
fwAVG=2.00
sdW=85.6
fwW=2.04
sdS=92.7
fwS=1.94
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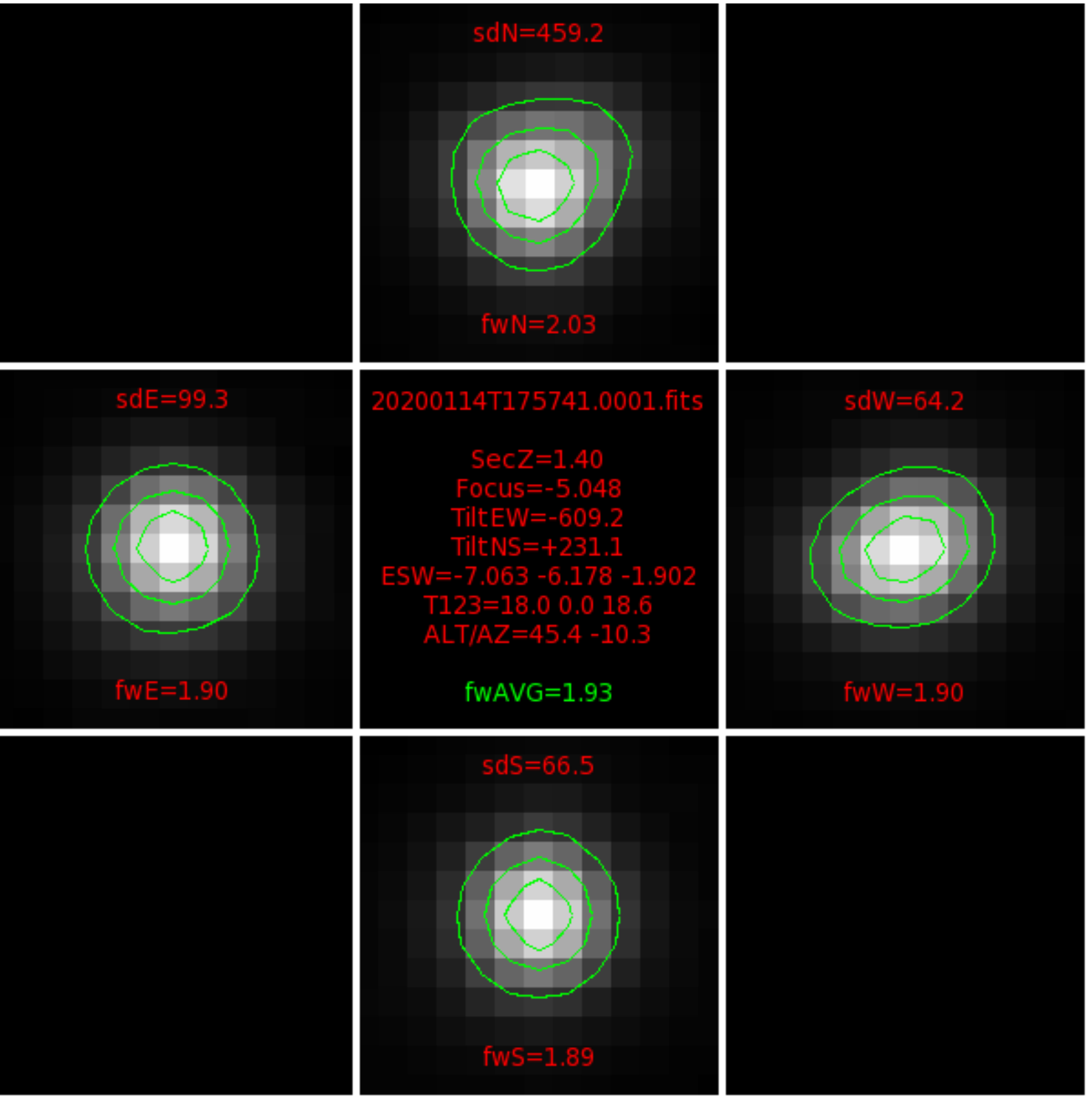
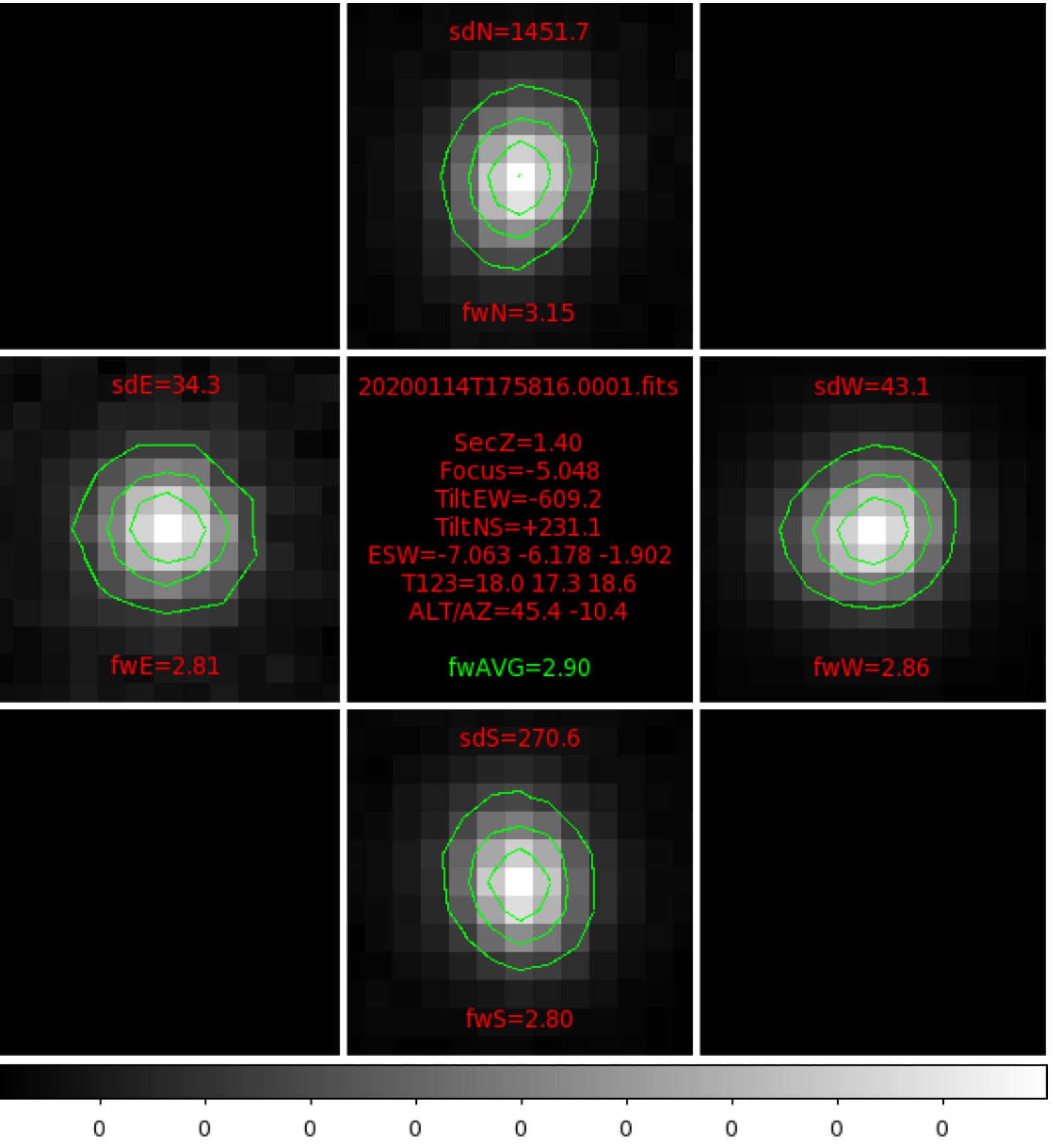

sdN=459.2
fwN=2.03
sdE=99.3
fwE=1.90
20200114T175741.0001.fits
SecZ=1.40
Focus=-5.048
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.063 -6.178 -1.902
T123=18.0 0.0 18.6
ALT/AZ=45.4 -10.3
fwAVG=1.93
sdW=64.2
fwW=1.90
sdS=66.5
fwS=1.89
0 0 0 0 0 0 0 0 0


sdN=1451.7
fwN=3.15
sdE=34.3
fwE=2.81
20200114T175816.0001.fits
SecZ=1.40
Focus=-5.048
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.063 -6.178 -1.902
T123=18.0 17.3 18.6
ALT/AZ=45.4 -10.4
fwAVG=2.90
sdW=43.1
fwW=2.86
sdS=270.6
fwS=2.80
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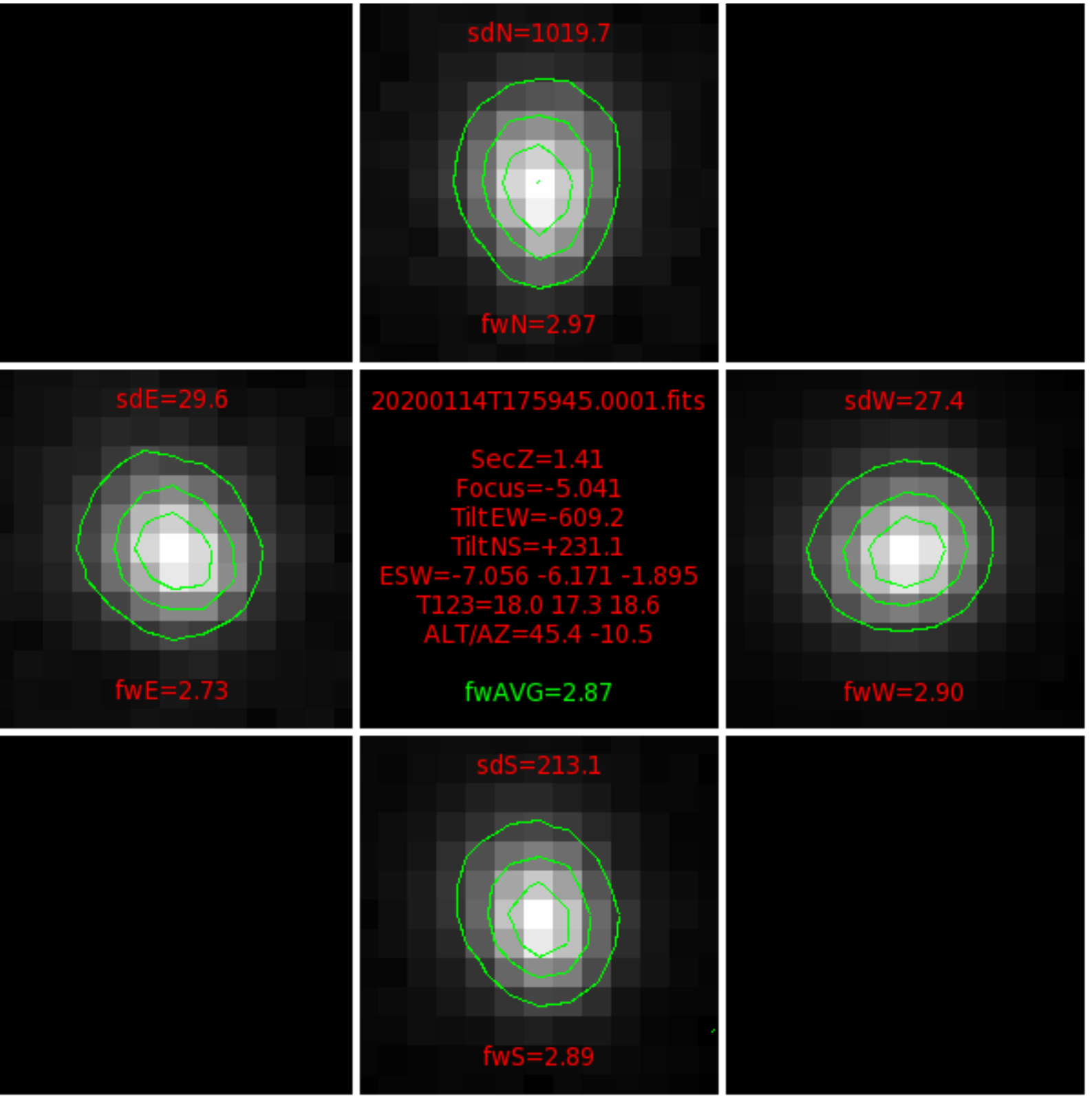
sdN=1019.7
fwN=2.97
sdE=29.6
fwE=2.73
20200114T175945.0001.fits
SecZ=1.41
Focus=-5.041
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.056 -6.171 -1.895
T123=18.0 17.3 18.6
ALT/AZ=45.4 -10.5
fwAVG=2.87
sdW=27.4
fwW=2.90
sdS=213.1
fwS=2.89
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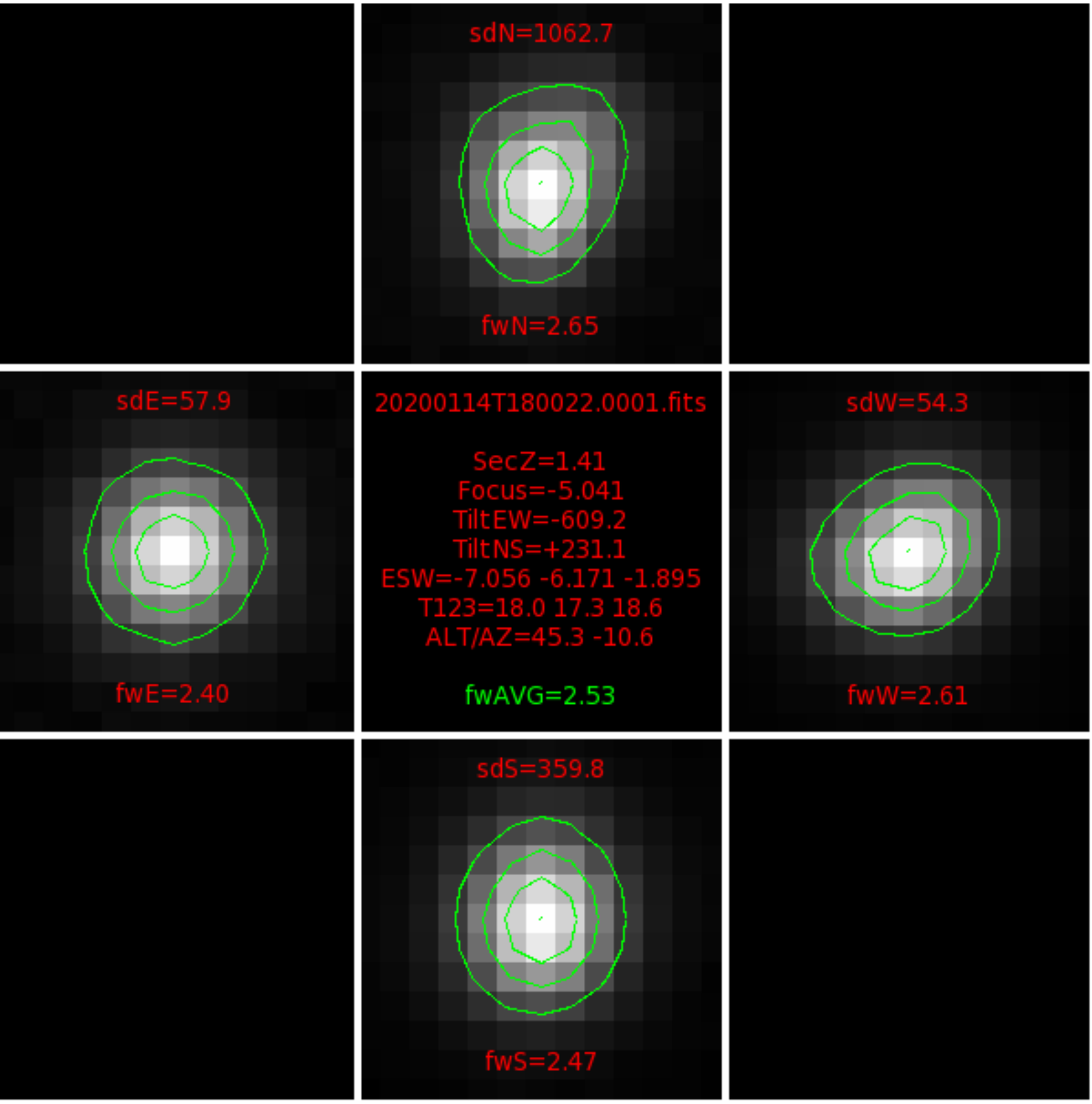
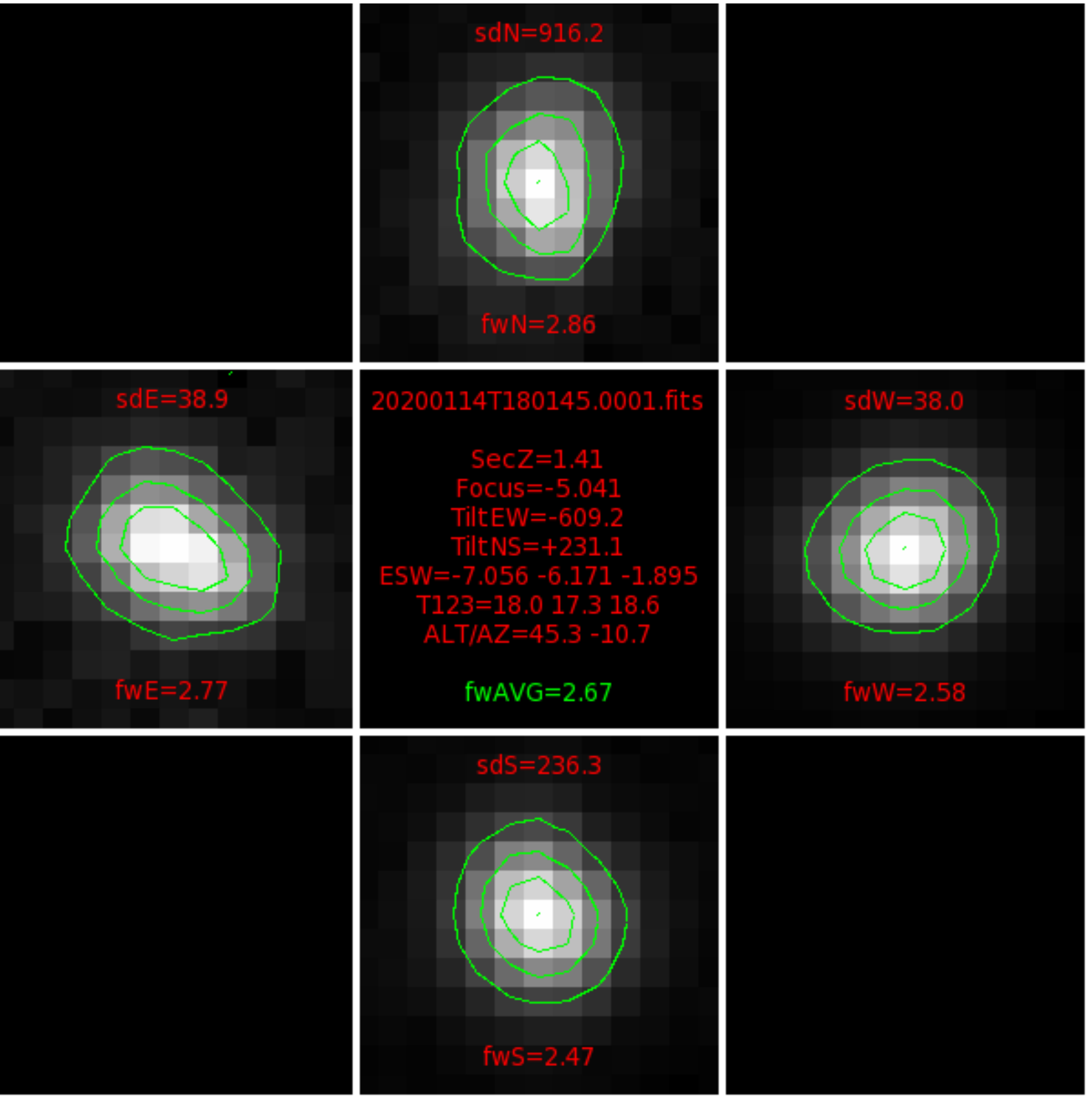
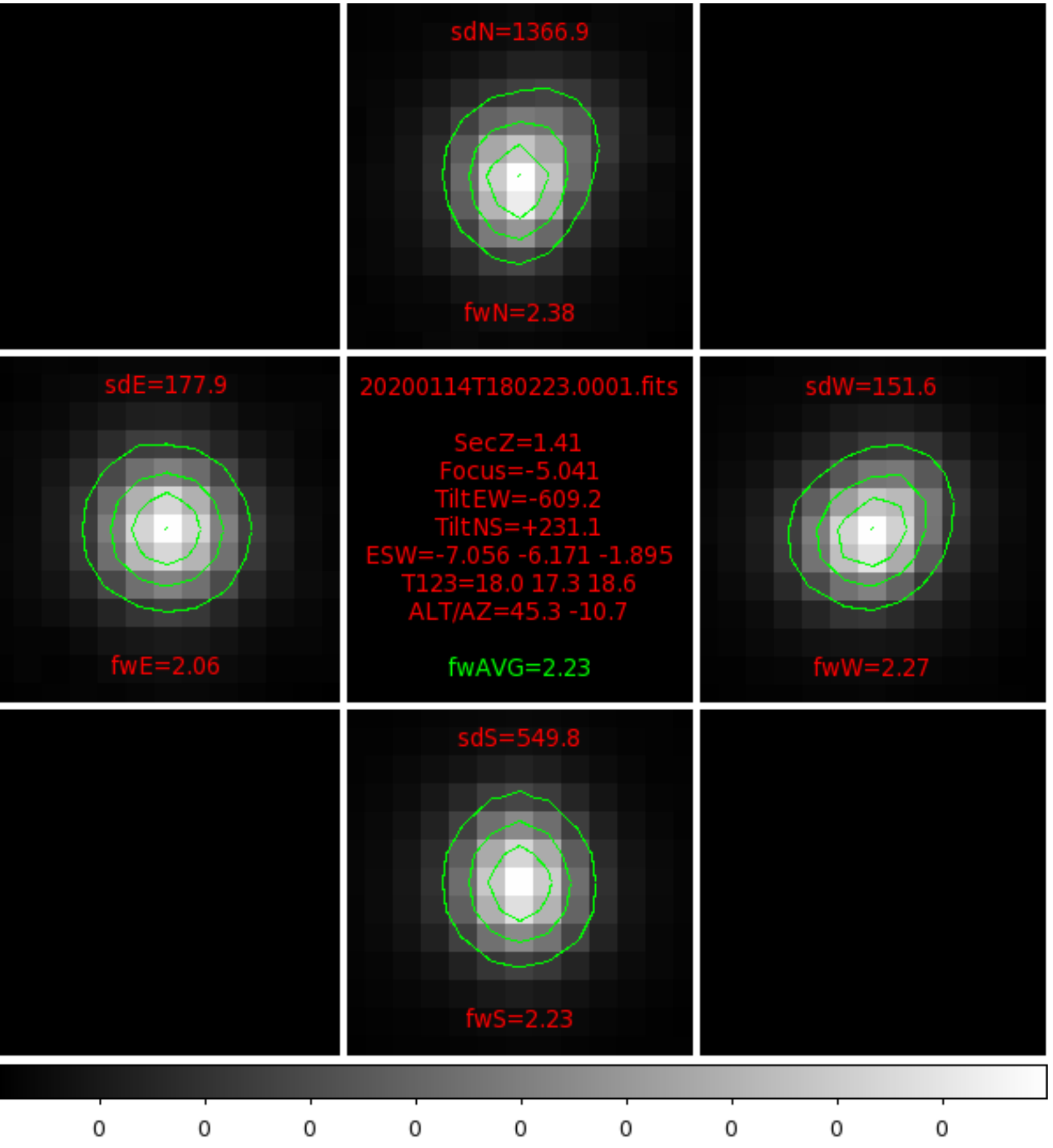
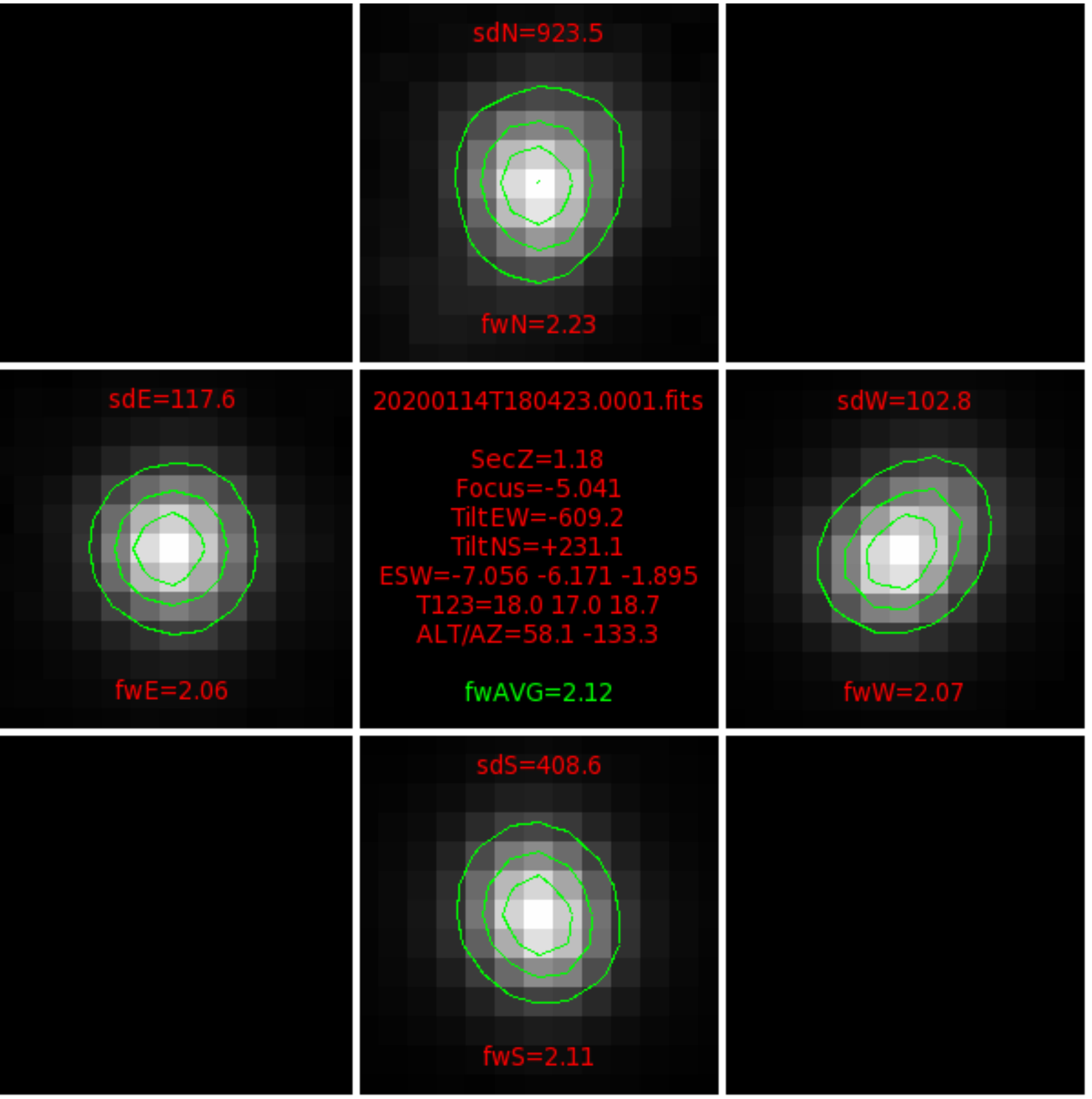

sdN=1062.7
fwN=2.65
sdE=57.9
fwE=2.40
20200114T180022.0001.fits
SecZ=1.41
Focus=-5.041
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.056 -6.171 -1.895
T123=18.0 17.3 18.6
ALT/AZ=45.3 -10.6
fwAVG=2.53
sdW=54.3
fwW=2.61
sdS=359.8
fwS=2.47
0 0 0 0 0 0 0 0 0


sdN=916.2
fwN=2.86
sdE=38.9
fwE=2.77
20200114T180145.0001.fits
SecZ=1.41
Focus=-5.041
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.056 -6.171 -1.895
T123=18.0 17.3 18.6
ALT/AZ=45.3 -10.7
fwAVG=2.67
sdW=38.0
fwW=2.58
sdS=236.3
fwS=2.47
0 0 0 0 0 0 0 0 0


sdN=1366.9
fwN=2.38
sdE=177.9
fwE=2.06
20200114T180223.0001.fits
SecZ=1.41
Focus=-5.041
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.056 -6.171 -1.895
T123=18.0 17.3 18.6
ALT/AZ=45.3 -10.7
fwAVG=2.23
sdW=151.6
fwW=2.27
sdS=549.8
fwS=2.23
0 0 0 0 0 0 0 0 0


sdN=923.5
fwN=2.23
sdE=117.6
fwE=2.06
20200114T180423.0001.fits
SecZ=1.18
Focus=-5.041
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.056 -6.171 -1.895
T123=18.0 17.0 18.7
ALT/AZ=58.1 -133.3
fwAVG=2.12
sdW=102.8
fwW=2.07
sdS=408.6
fwS=2.11
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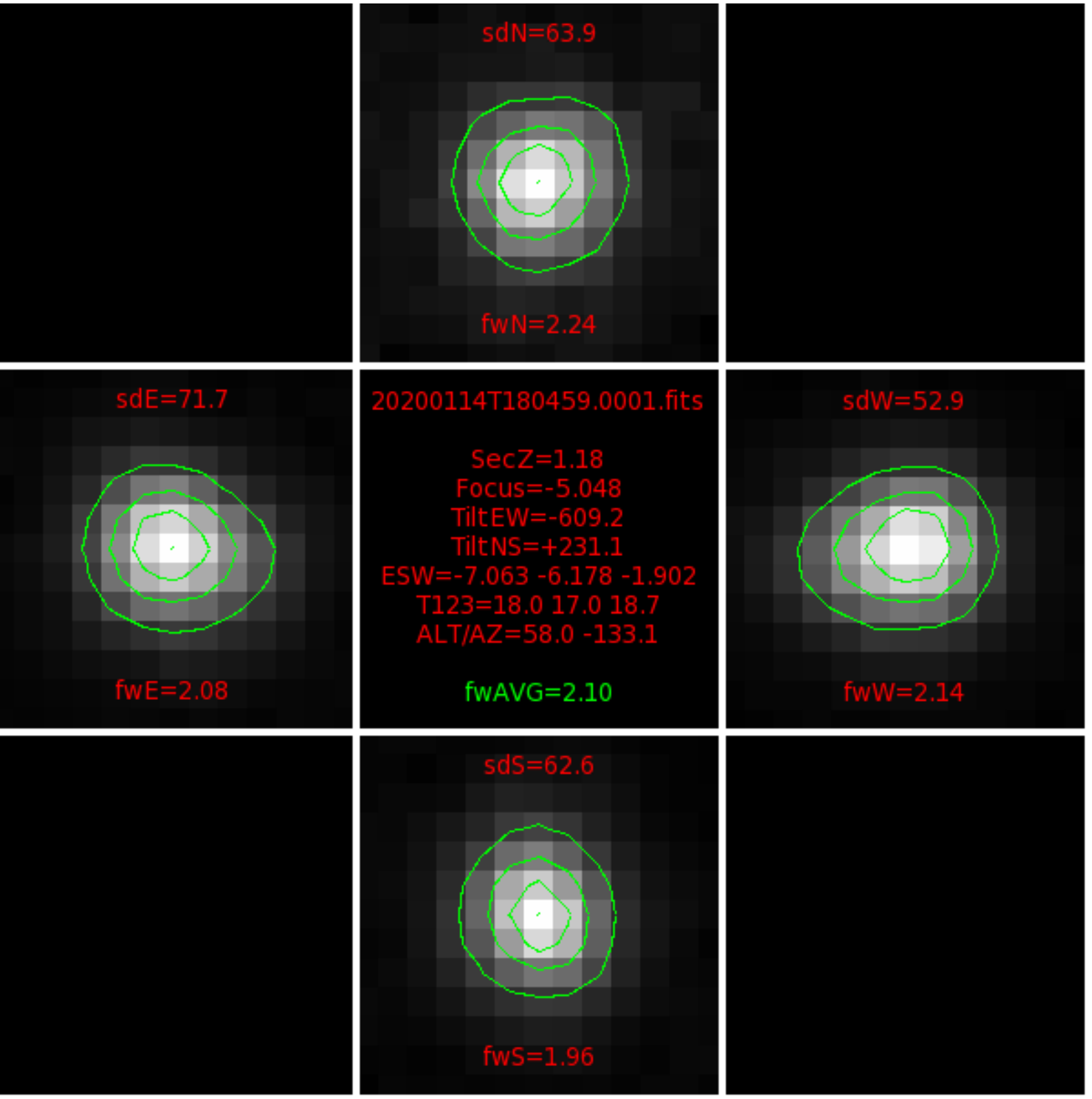
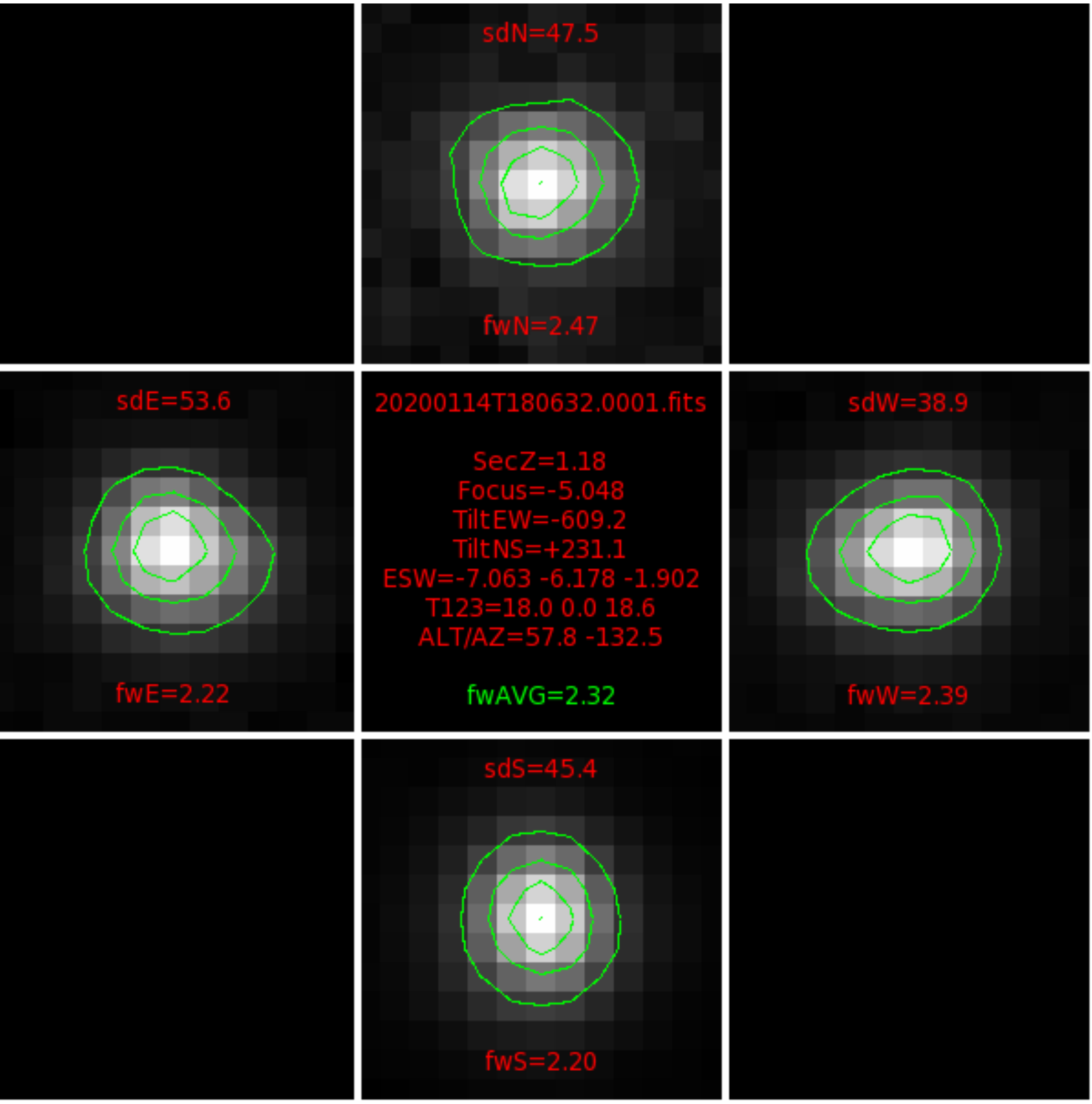
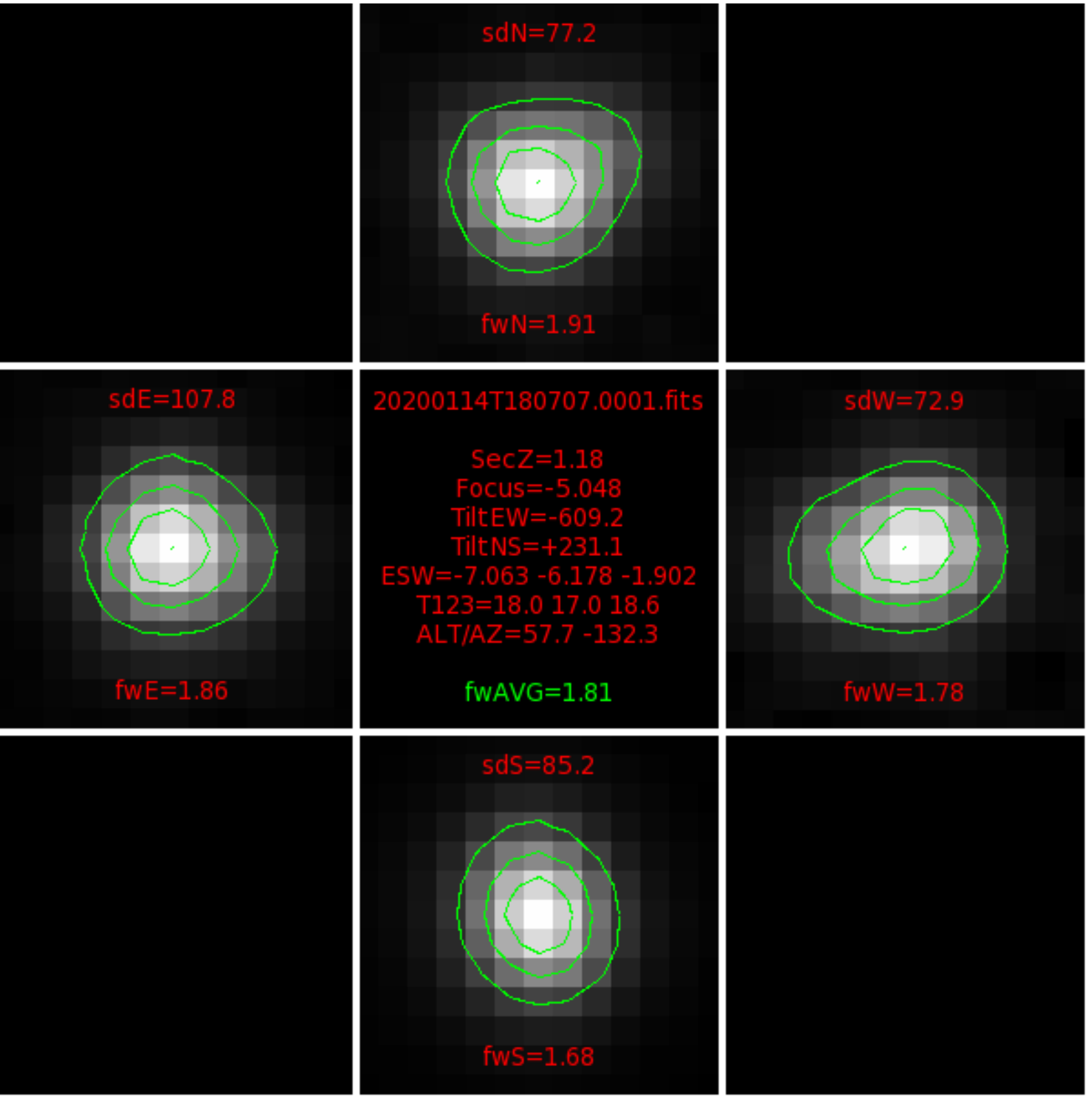

sdN=63.9
fwN=2.24
sdE=71.7
fwE=2.08
20200114T180459.0001.fits
SecZ=1.18
Focus=-5.048
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.063 -6.178 -1.902
T123=18.0 17.0 18.7
ALT/AZ=58.0 -133.1
fwAVG=2.10
sdW=52.9
fwW=2.14
sdS=62.6
fwS=1.96
0 0 0 0 0 0 0 0 0


sdN=47.5
fwN=2.47
sdE=53.6
fwE=2.22
20200114T180632.0001.fits
SecZ=1.18
Focus=-5.048
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.063 -6.178 -1.902
T123=18.0 0.0 18.6
ALT/AZ=57.8 -132.5
fwAVG=2.32
sdW=38.9
fwW=2.39
sdS=45.4
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=77.2
fwN=1.91
sdE=107.8
fwE=1.86
20200114T180707.0001.fits
SecZ=1.18
Focus=-5.048
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.063 -6.178 -1.902
T123=18.0 17.0 18.6
ALT/AZ=57.7 -132.3
fwAVG=1.81
sdW=72.9
fwW=1.78
sdS=85.2
fwS=1.68
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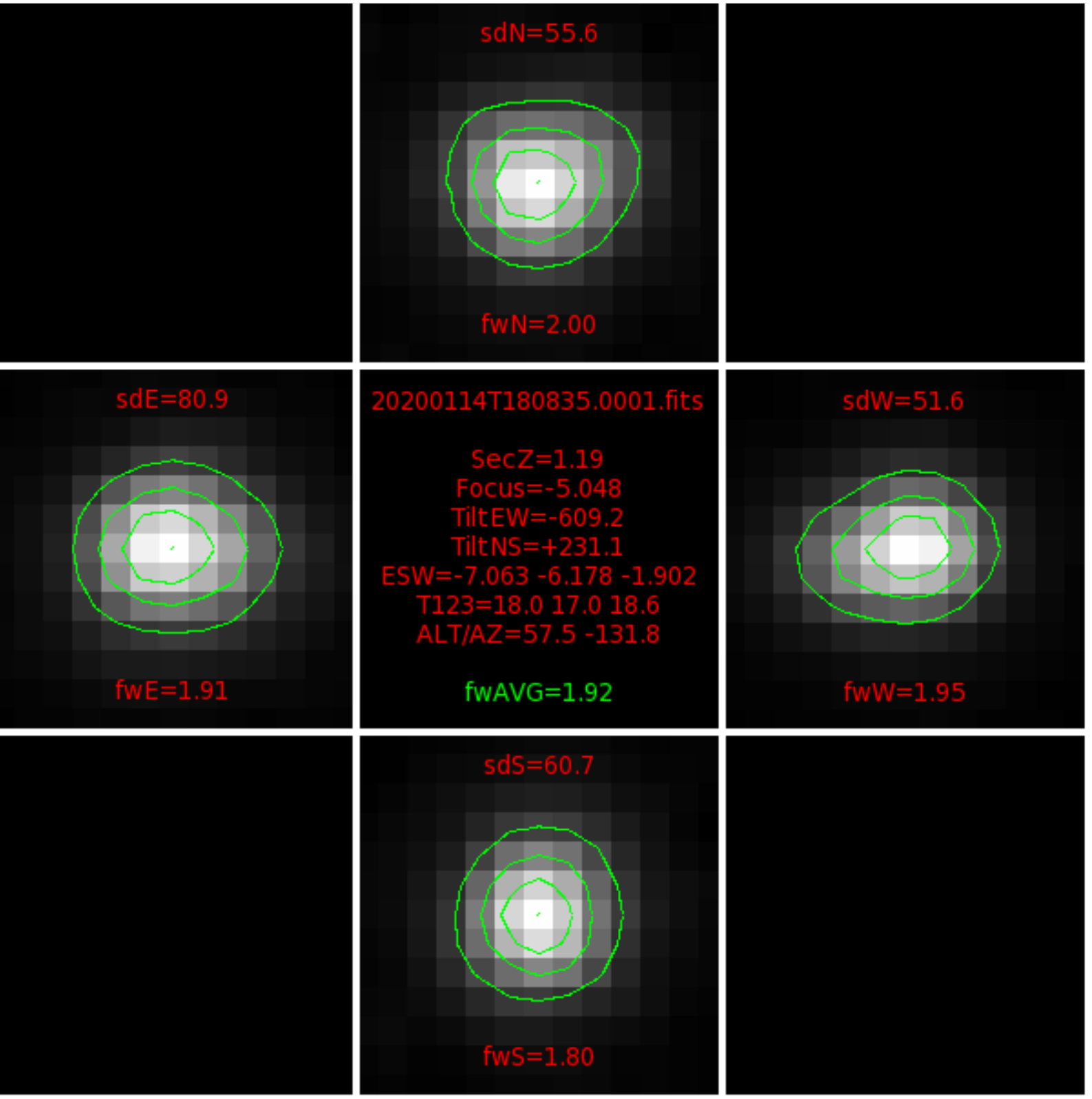
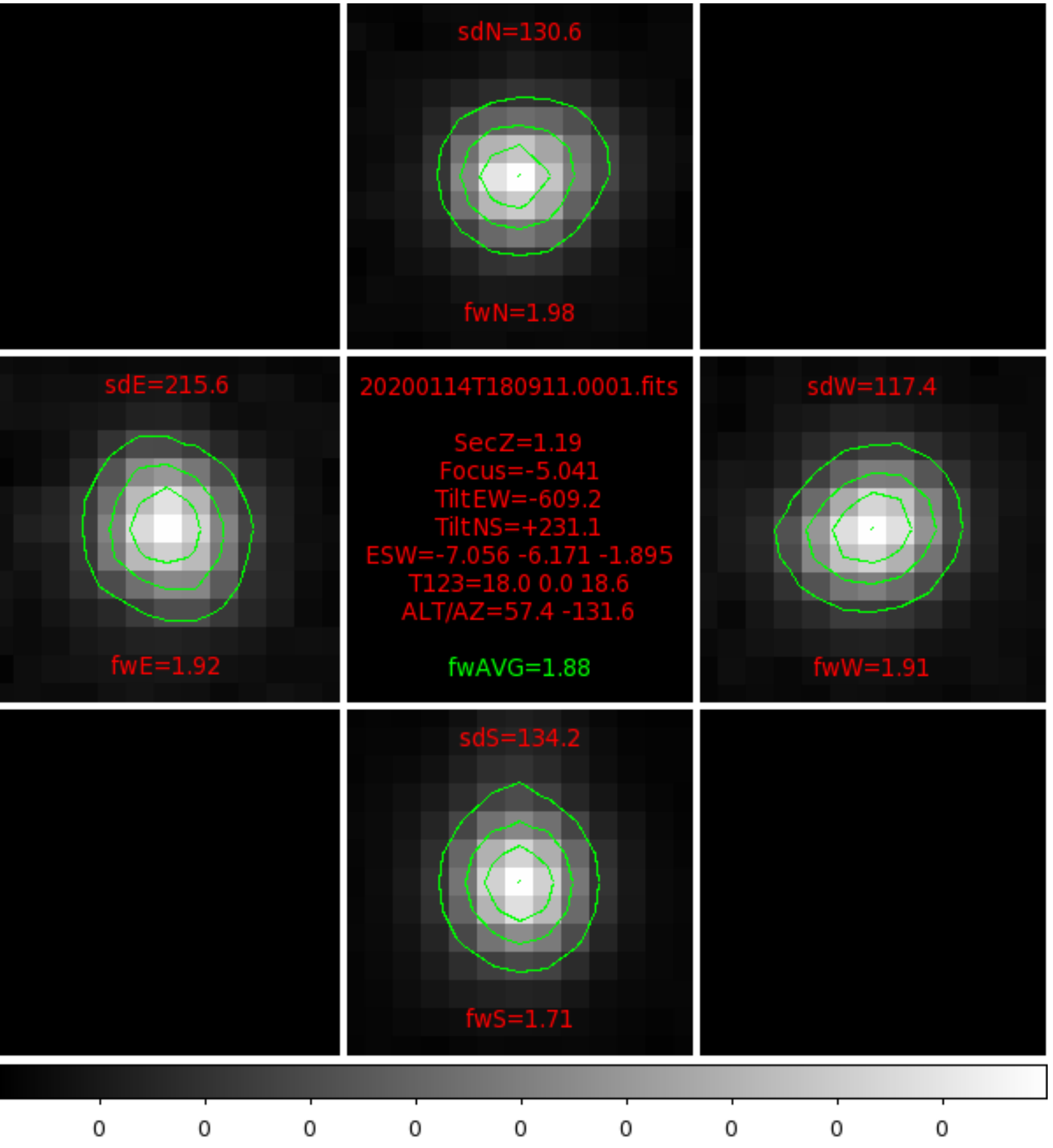

sdN=55.6
fwN=2.00
sdE=80.9
fwE=1.91
20200114T180835.0001.fits
SecZ=1.19
Focus=-5.048
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.063 -6.178 -1.902
T123=18.0 17.0 18.6
ALT/AZ=57.5 -131.8
fwAVG=1.92
sdW=51.6
fwW=1.95
sdS=60.7
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=130.6
fwN=1.98
sdE=215.6
fwE=1.92
20200114T180911.0001.fits
SecZ=1.19
Focus=-5.041
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.056 -6.171 -1.895
T123=18.0 0.0 18.6
ALT/AZ=57.4 -131.6
fwAVG=1.88
sdW=117.4
fwW=1.91
sdS=134.2
fwS=1.71
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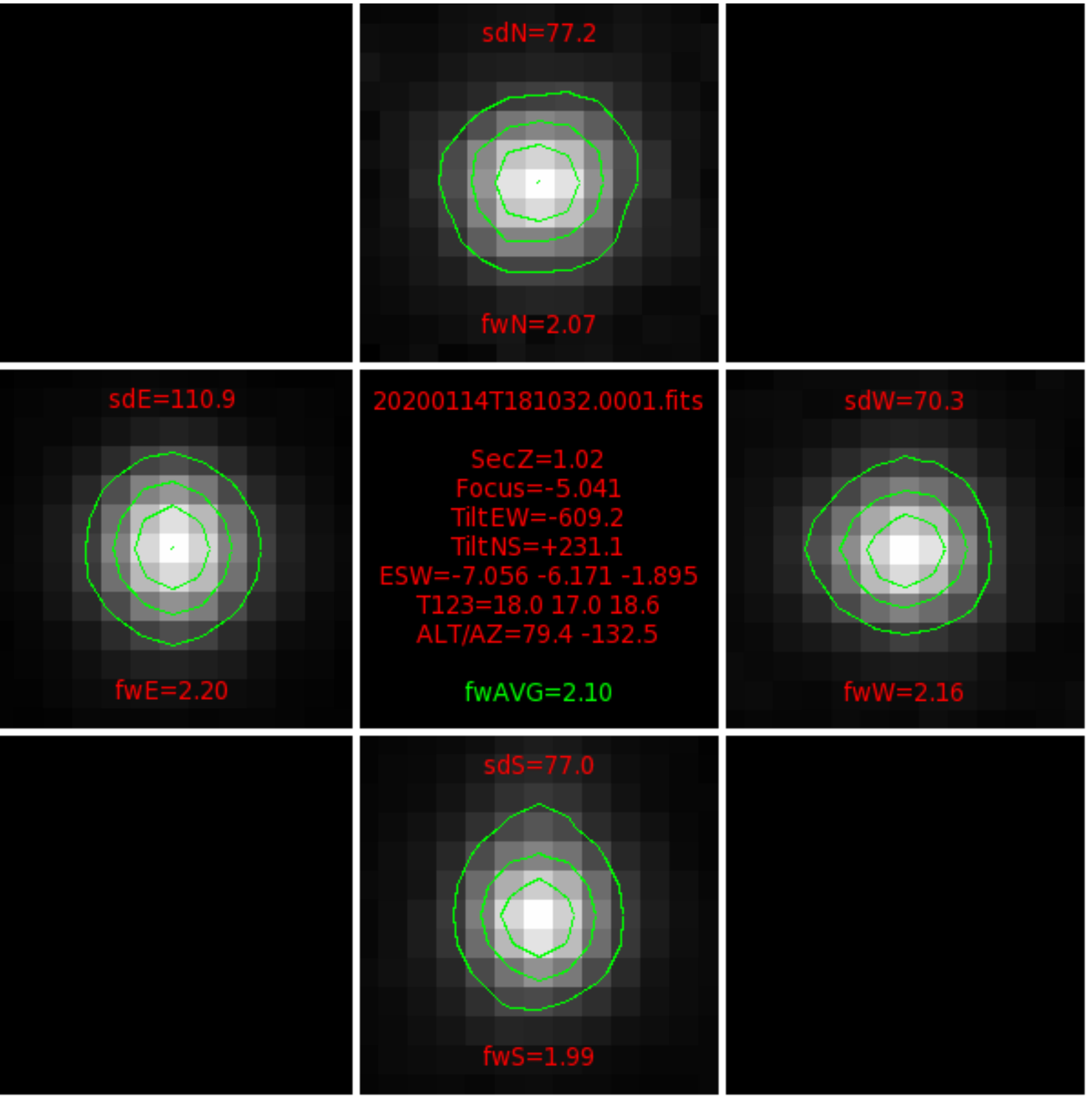
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sdE=110.9
fwE=2.20
20200114T181032.0001.fits
SecZ=1.02
Focus=-5.041
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.056 -6.171 -1.895
T123=18.0 17.0 18.6
ALT/AZ=79.4 -132.5
fwAVG=2.10
sdW=70.3
fwW=2.16
sdS=77.0
fwS=1.99
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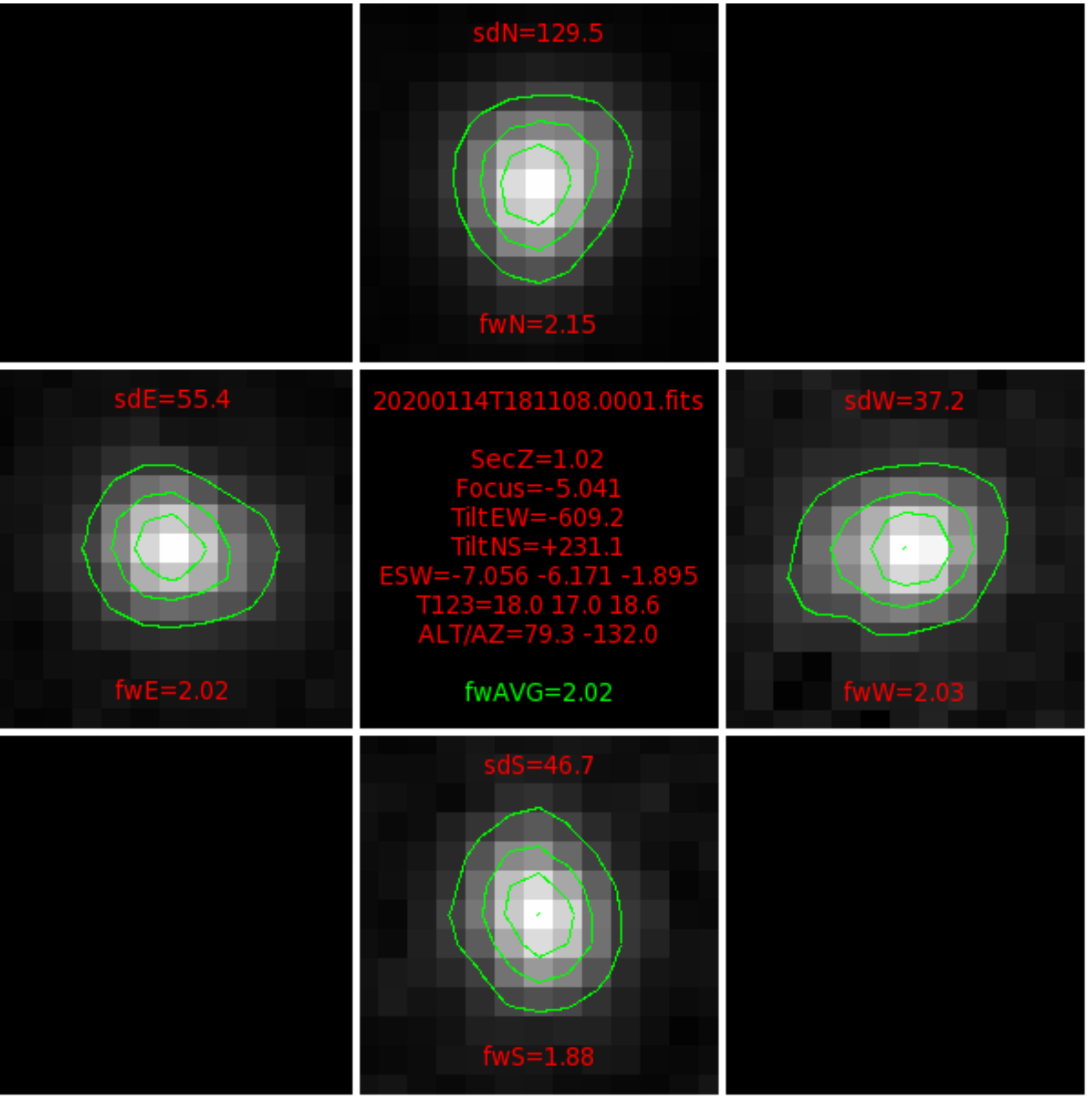
sdN=129.5
fwN=2.15
sdE=55.4
fwE=2.02
20200114T181108.0001.fits
SecZ=1.02
Focus=-5.041
TiltEW=-609.2
TiltNS=+231.1
ESW=-7.056 -6.171 -1.895
T123=18.0 17.0 18.6
ALT/AZ=79.3 -132.0
fwAVG=2.02
sdW=37.2
fwW=2.03
sdS=46.7
fwS=1.88
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