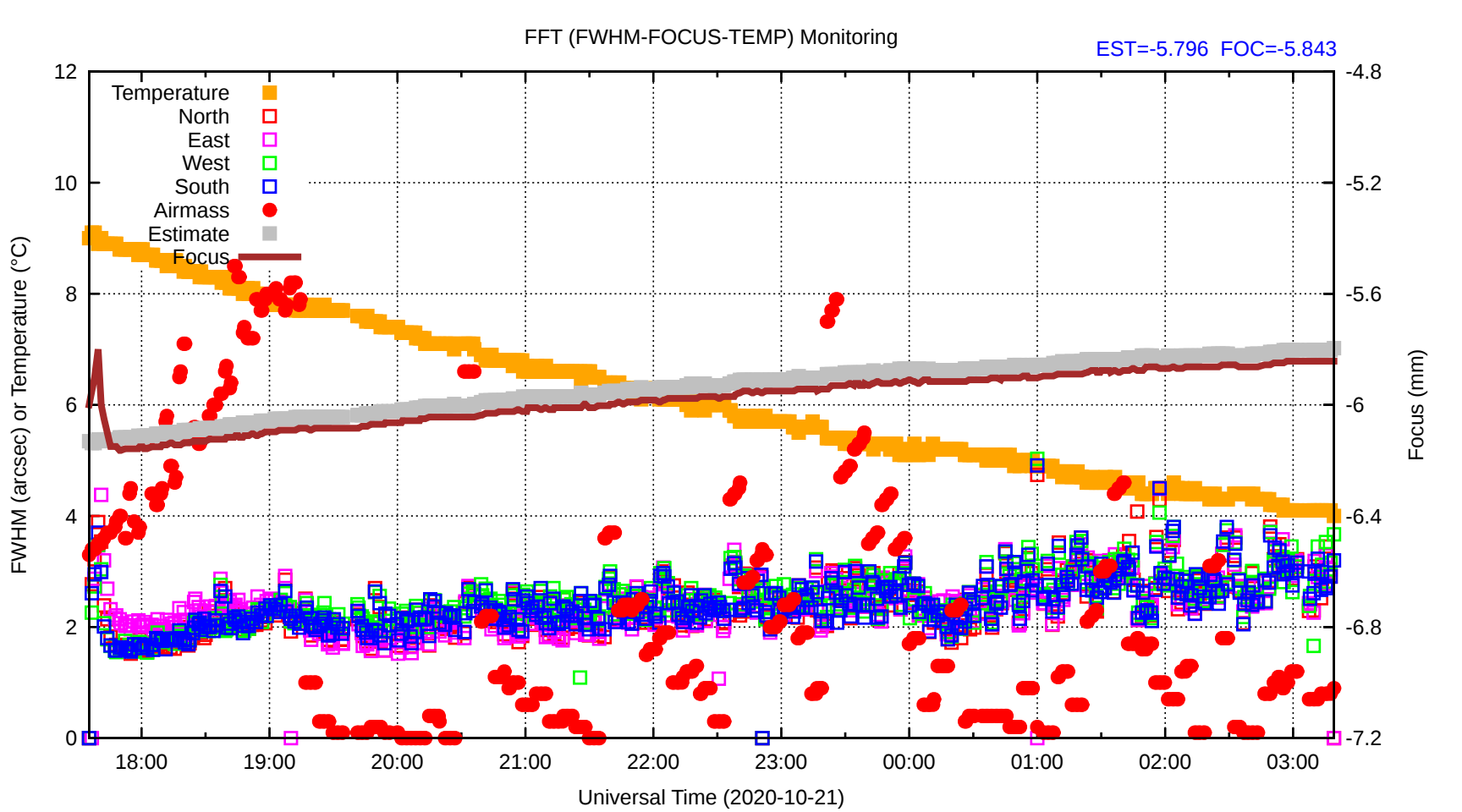
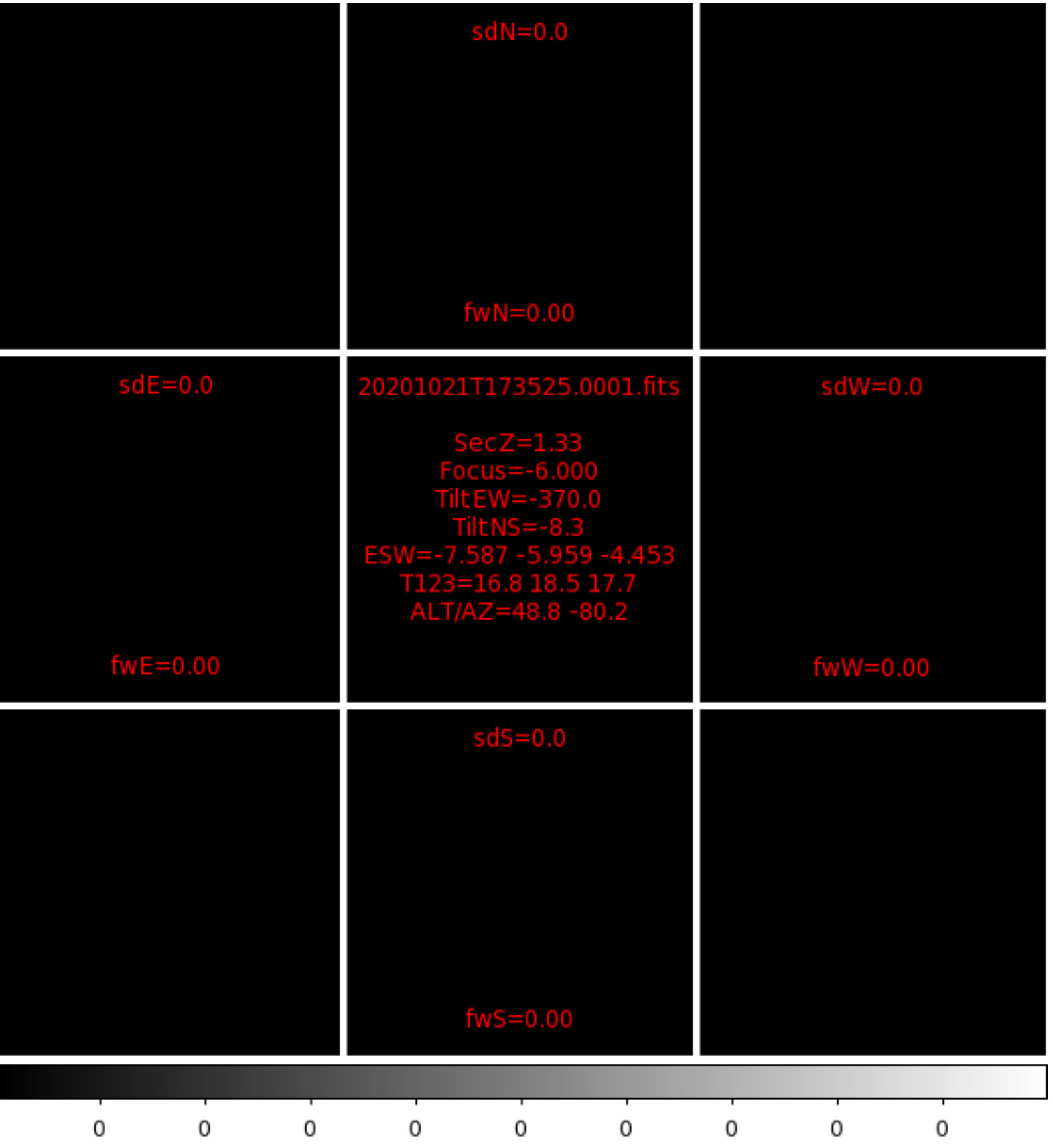

FFT (FWHM-FOCUS-TEMP) Monitoring
EST=-5.796 FOC=-5.843
Temperature
North
East
West
South
Airmass
Estimate
Focus
FWHM (arcsec) or Temperature (°C)
Focus (mm)
Universal Time (2020-10-21)
0
2
4
6
8
10
12
-4.8
-5.2
-5.6
-6
-6.4
-6.8
-7.2
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
03:00


sdN=0.0
fwN=0.00
sdE=0.0
20201021T173525.0001.fits
SecZ=1.33
Focus=-6.000
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.587 -5.959 -4.453
T123=16.8 18.5 17.7
ALT/AZ=48.8 -80.2
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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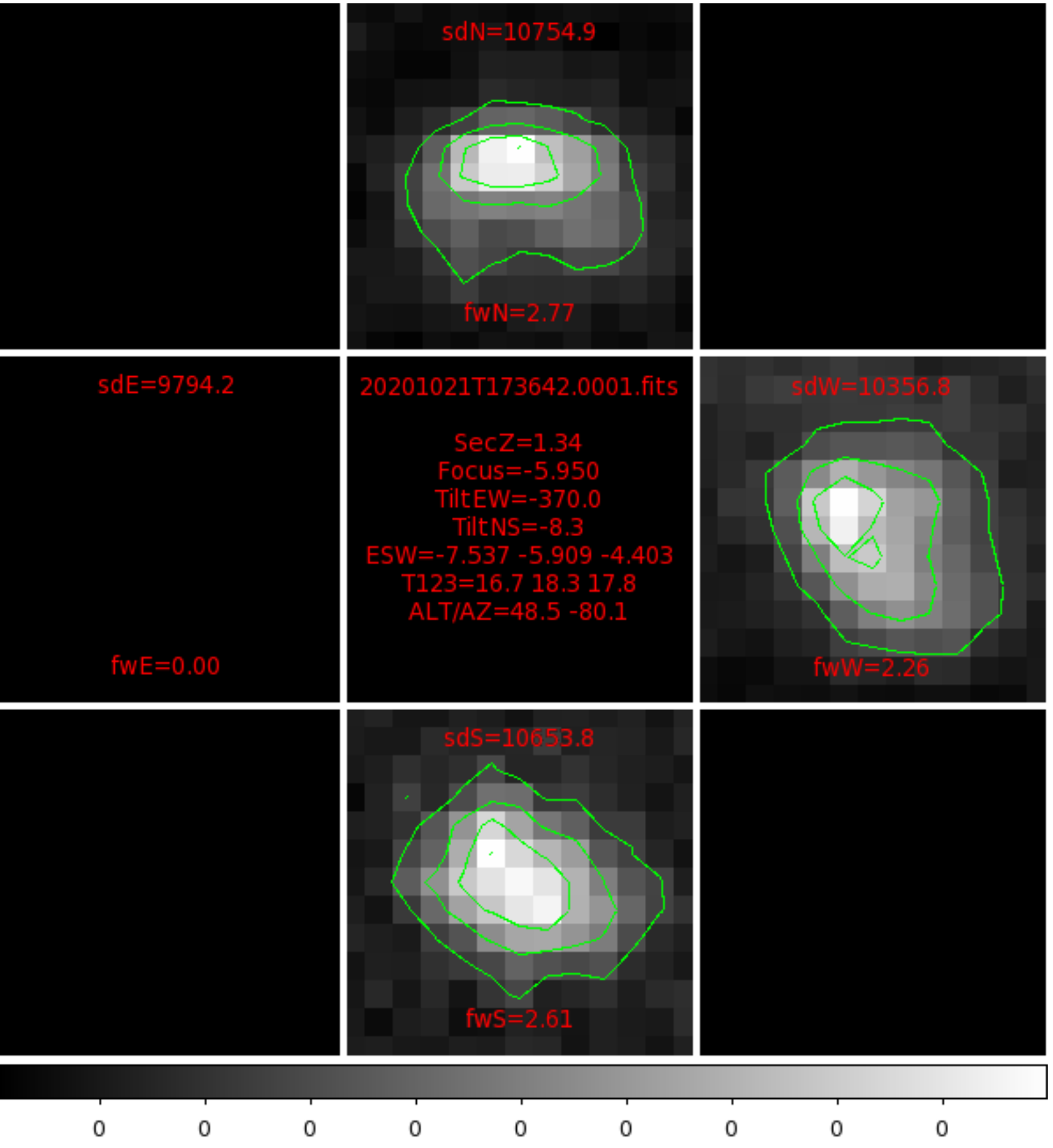
sdN=10754.9
fwN=2.77
sdE=9794.2
fwE=0.00
20201021T173642.0001.fits
SecZ=1.34
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=16.7 18.3 17.8
ALT/AZ=48.5 -80.1
sdW=10356.8
fwW=2.26
sdS=10653.8
fwS=2.61
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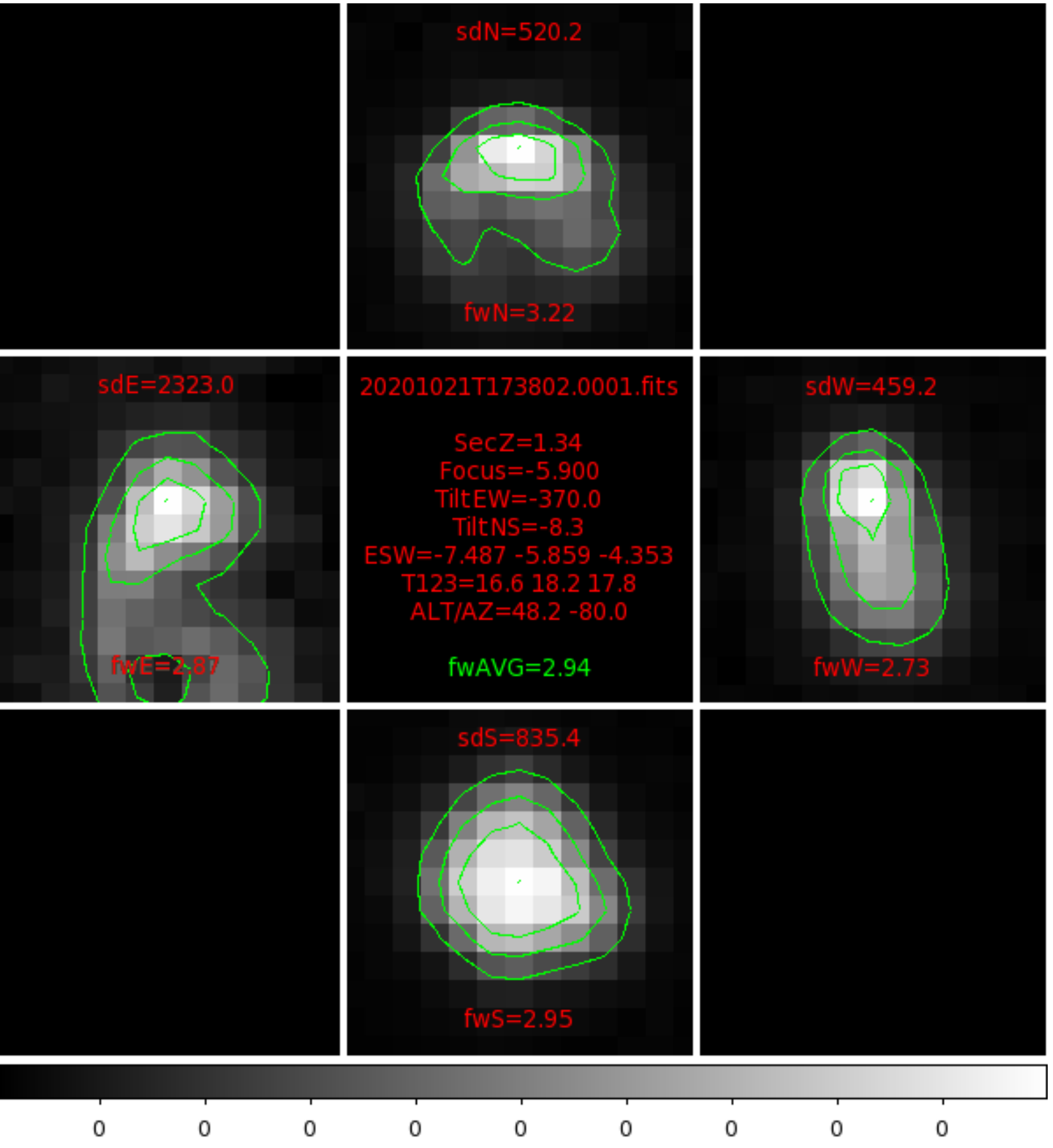
sdN=520.2
fwN=3.22
sdE=2323.0
fwE=2.87
20201021T173802.0001.fits
SecZ=1.34
Focus=-5.900
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.487 -5.859 -4.353
T123=16.6 18.2 17.8
ALT/AZ=48.2 -80.0
fwAVG=2.94
sdW=459.2
fwW=2.73
sdS=835.4
fwS=2.95
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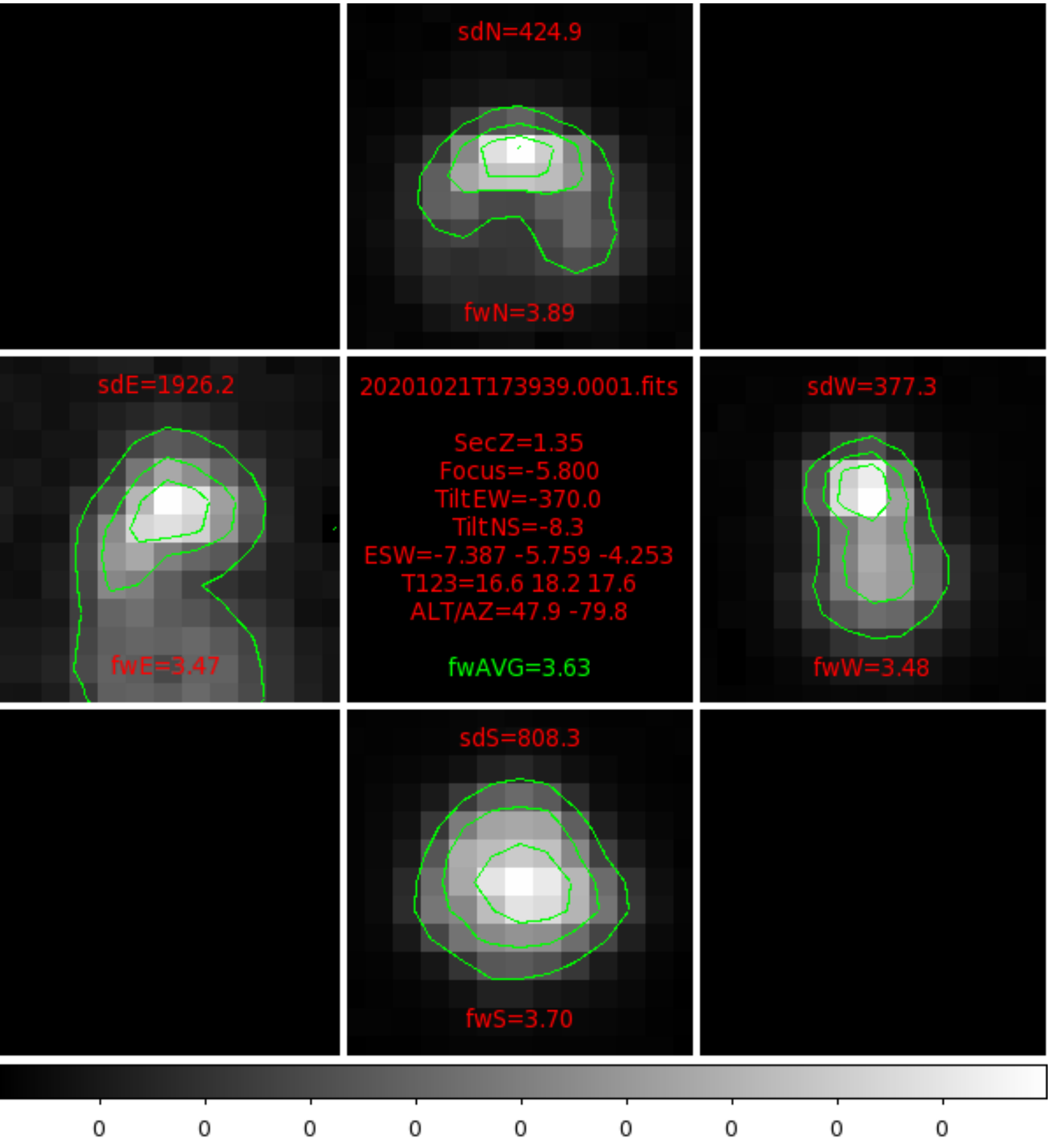
sdN=424.9
fwN=3.89
sdE=1926.2
fwE=3.47
20201021T173939.0001.fits
SecZ=1.35
Focus=-5.800
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.387 -5.759 -4.253
T123=16.6 18.2 17.6
ALT/AZ=47.9 -79.8
fwAVG=3.63
sdW=377.3
fwW=3.48
sdS=808.3
fwS=3.70
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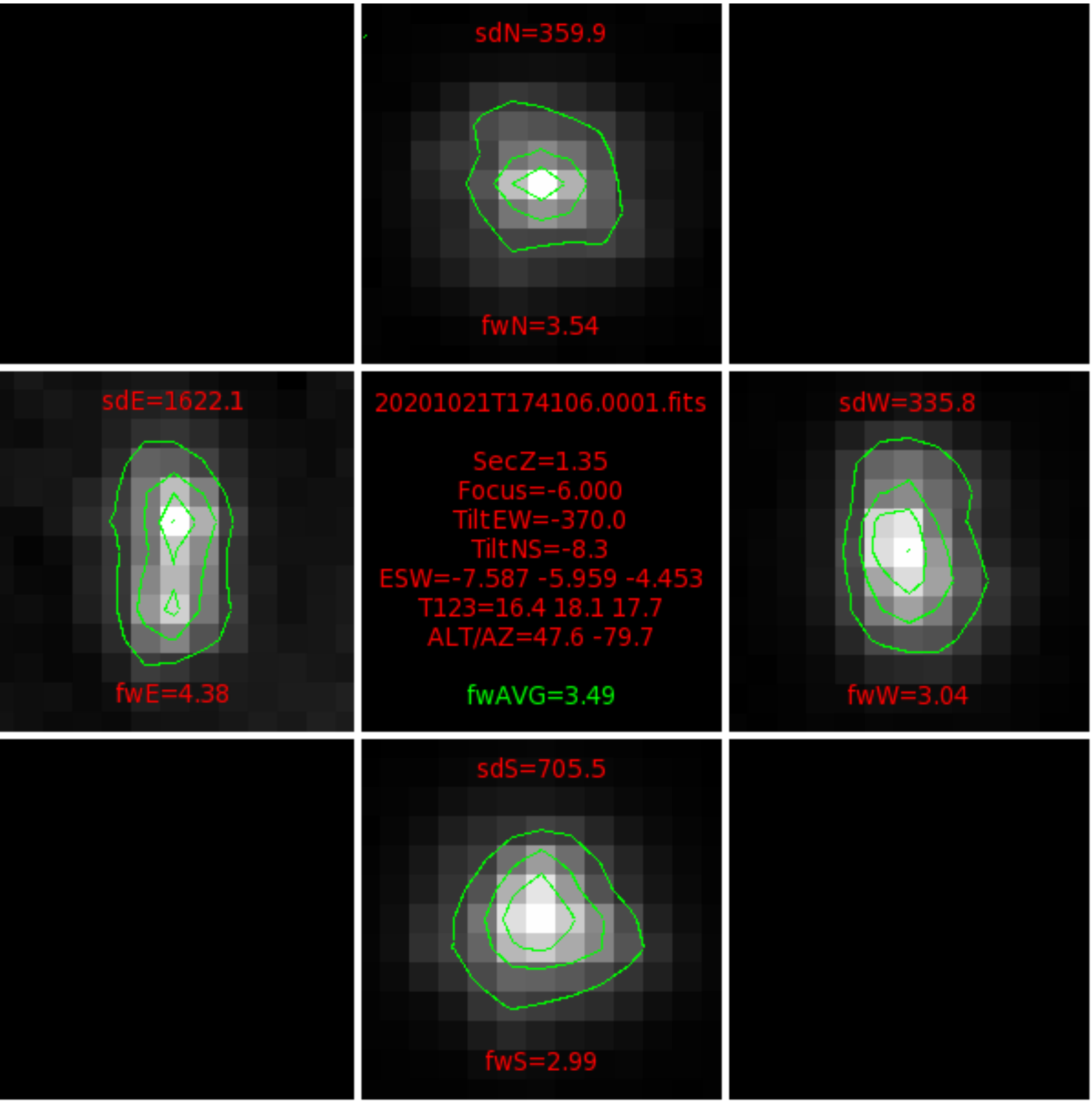
sdN=359.9
fwN=3.54
sdE=1622.1
fwE=4.38
20201021T174106.0001.fits
SecZ=1.35
Focus=-6.000
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.587 -5.959 -4.453
T123=16.4 18.1 17.7
ALT/AZ=47.6 -79.7
fwAVG=3.49
sdW=335.8
fwW=3.04
sdS=705.5
fwS=2.99
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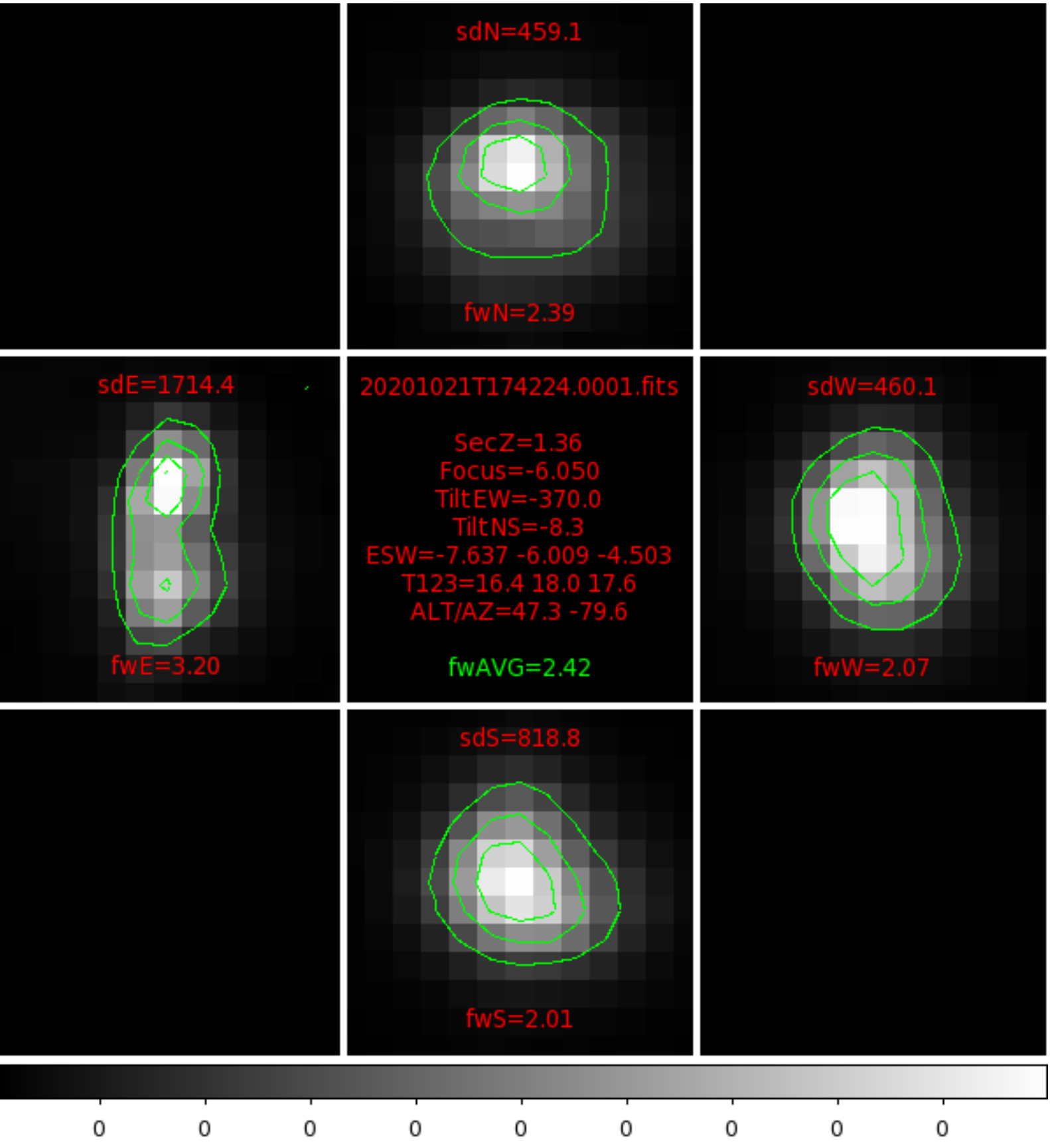
sdN=459.1
fwN=2.39
sdE=1714.4
fwE=3.20
20201021T174224.0001.fits
SecZ=1.36
Focus=-6.050
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.637 -6.009 -4.503
T123=16.4 18.0 17.6
ALT/AZ=47.3 -79.6
fwAVG=2.42
sdW=460.1
fwW=2.07
sdS=818.8
fwS=2.01
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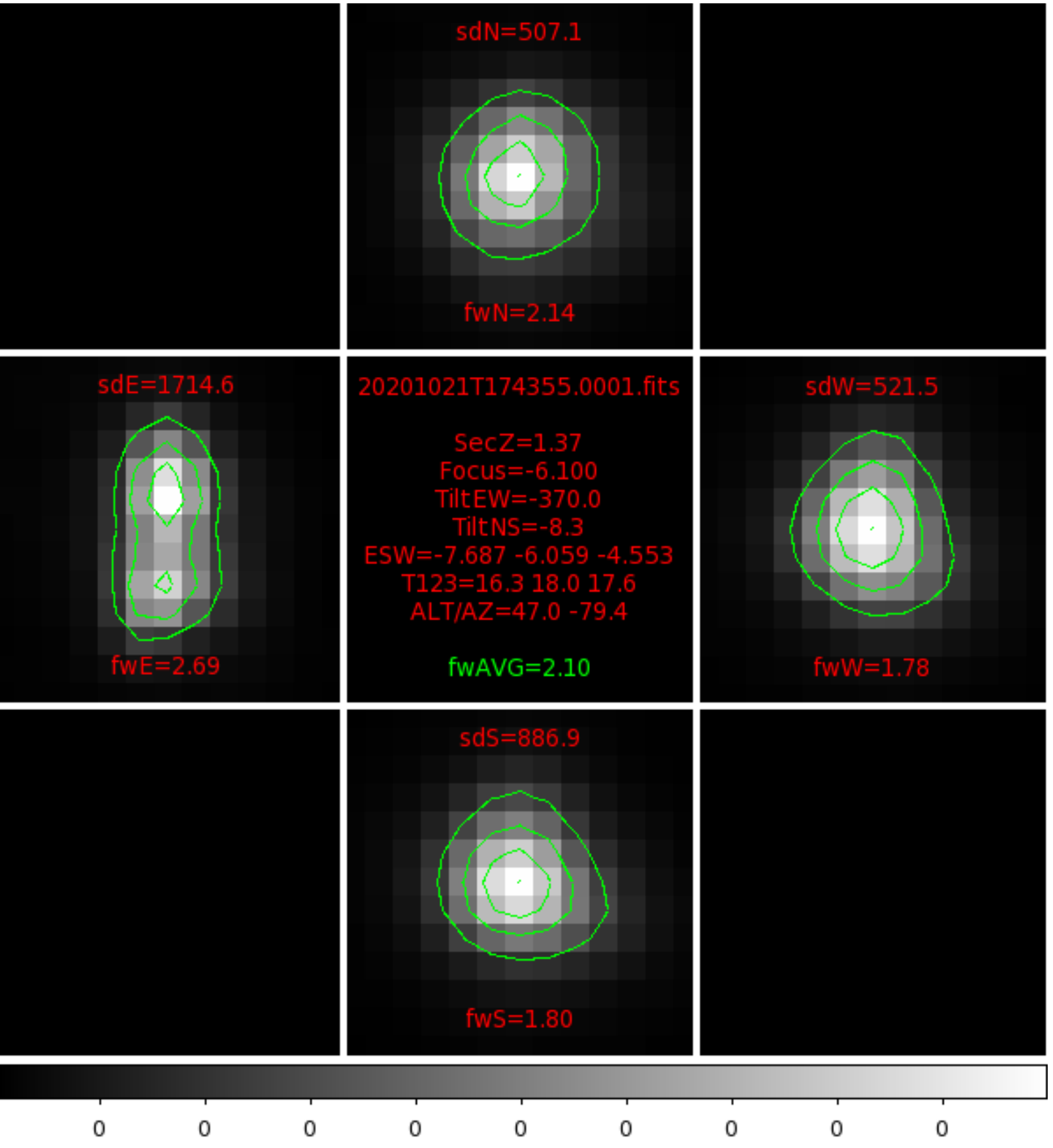
sdN=507.1
fwN=2.14
sdE=1714.6
fwE=2.69
20201021T174355.0001.fits
SecZ=1.37
Focus=-6.100
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.687 -6.059 -4.553
T123=16.3 18.0 17.6
ALT/AZ=47.0 -79.4
fwAVG=2.10
sdW=521.5
fwW=1.78
sdS=886.9
fwS=1.80
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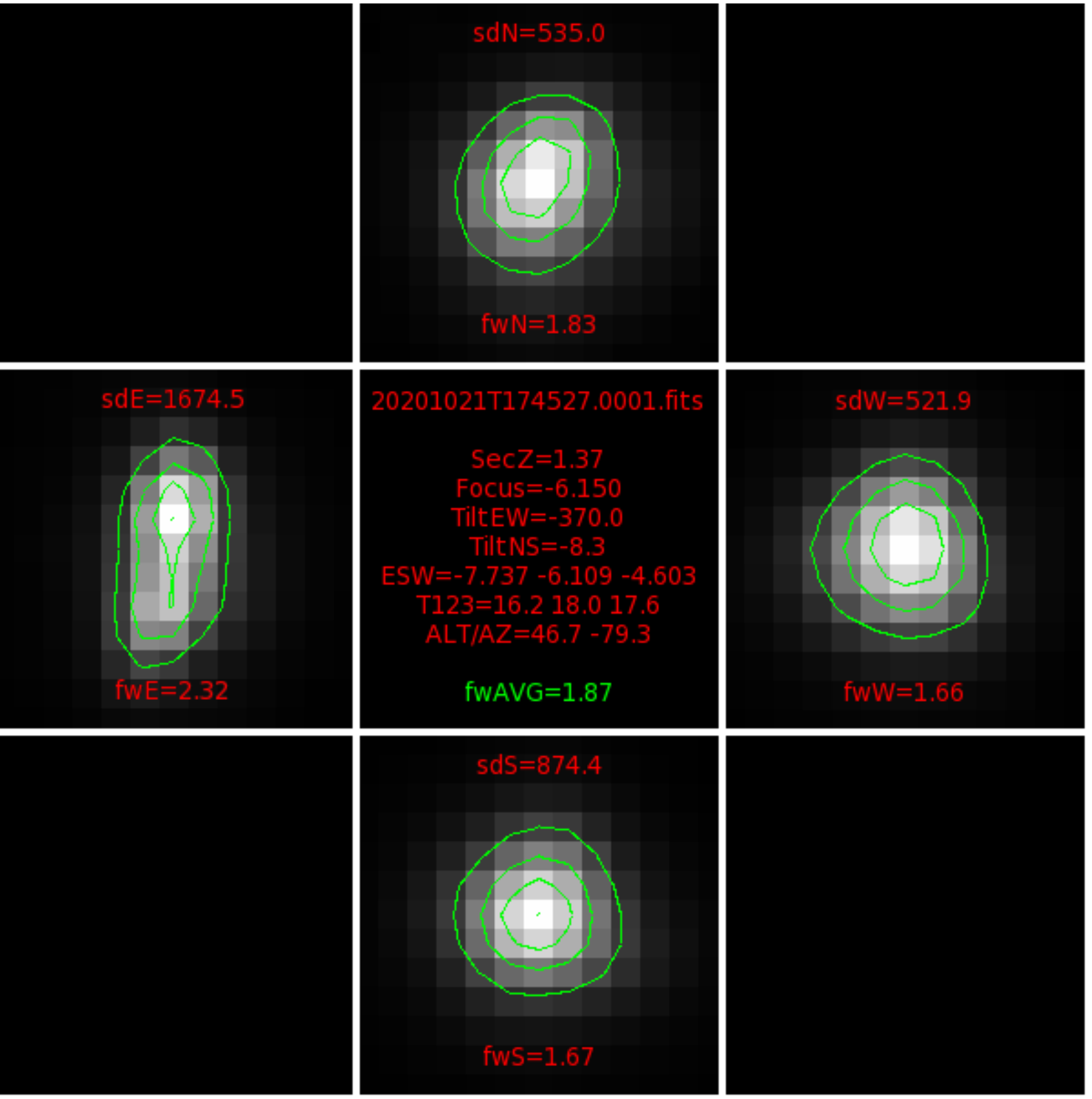
sdN=535.0
fwN=1.83
sdE=1674.5
fwE=2.32
20201021T174527.0001.fits
SecZ=1.37
Focus=-6.150
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.737 -6.109 -4.603
T123=16.2 18.0 17.6
ALT/AZ=46.7 -79.3
fwAVG=1.87
sdW=521.9
fwW=1.66
sdS=874.4
fwS=1.67
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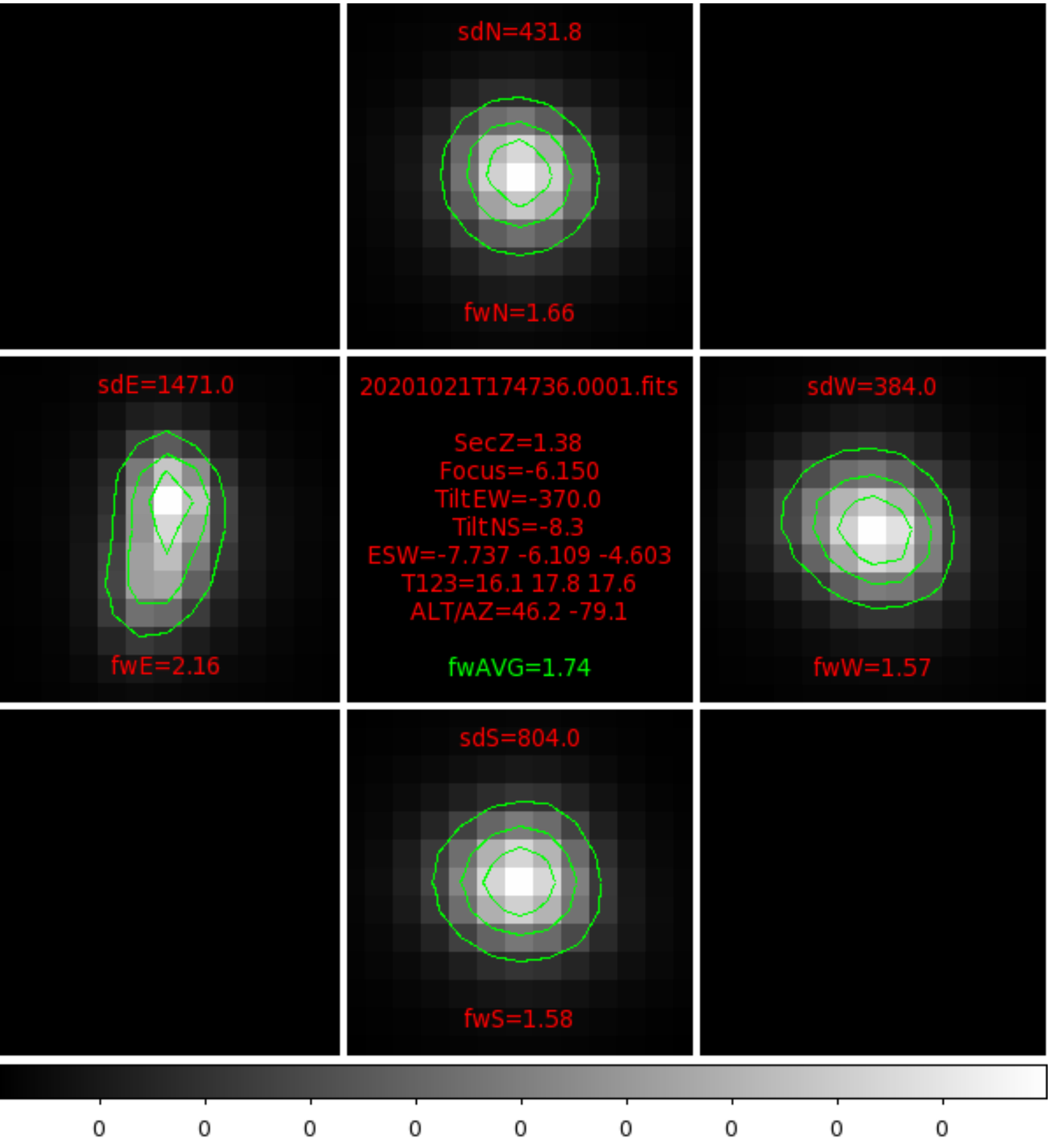
sdN=431.8
fwN=1.66
sdE=1471.0
fwE=2.16
20201021T174736.0001.fits
SecZ=1.38
Focus=-6.150
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.737 -6.109 -4.603
T123=16.1 17.8 17.6
ALT/AZ=46.2 -79.1
fwAVG=1.74
sdW=384.0
fwW=1.57
sdS=804.0
fwS=1.58
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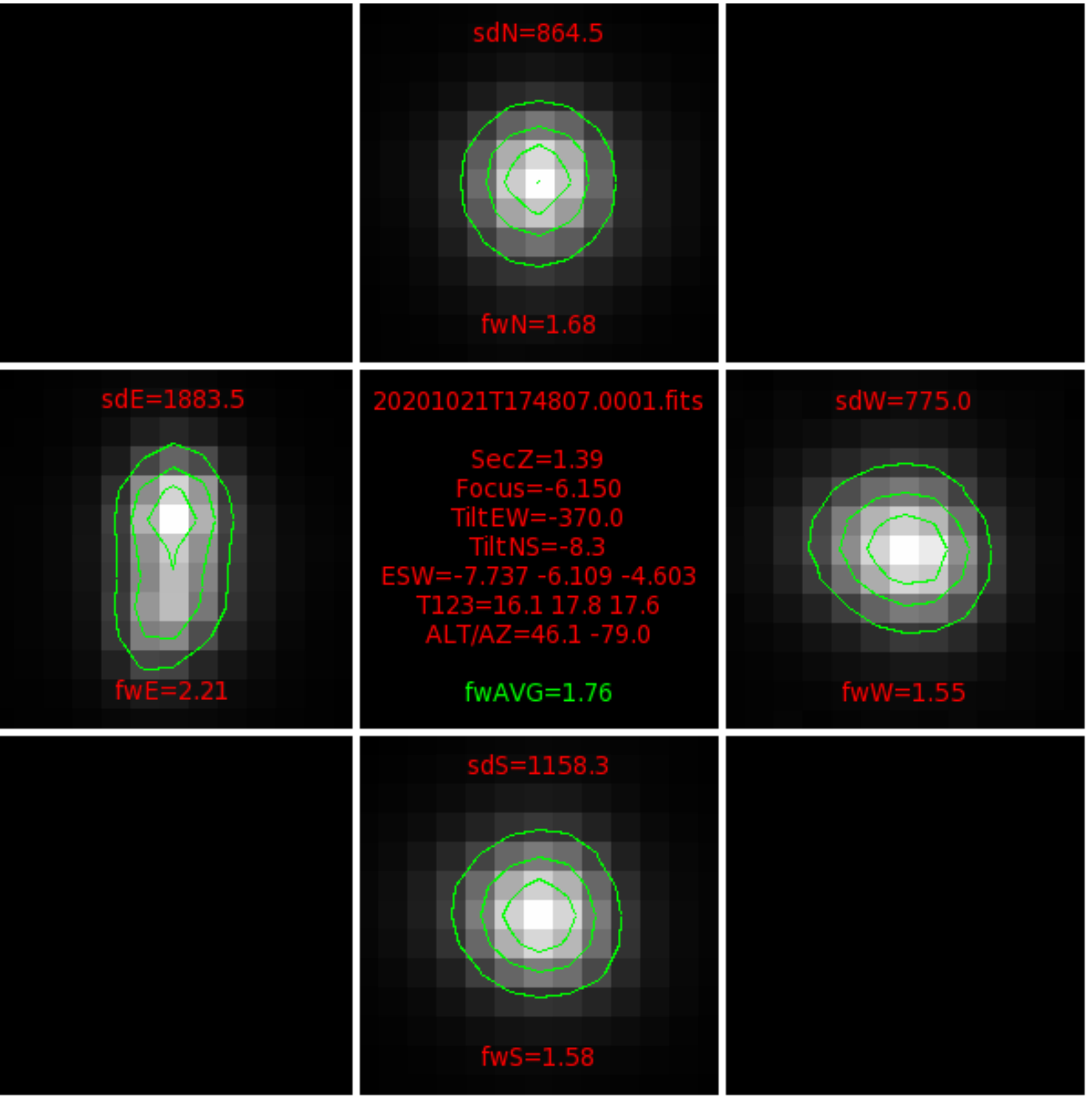
sdN=864.5
fwN=1.68
sdE=1883.5
fwE=2.21
20201021T174807.0001.fits
SecZ=1.39
Focus=-6.150
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.737 -6.109 -4.603
T123=16.1 17.8 17.6
ALT/AZ=46.1 -79.0
fwAVG=1.76
sdW=775.0
fwW=1.55
sdS=1158.3
fwS=1.58
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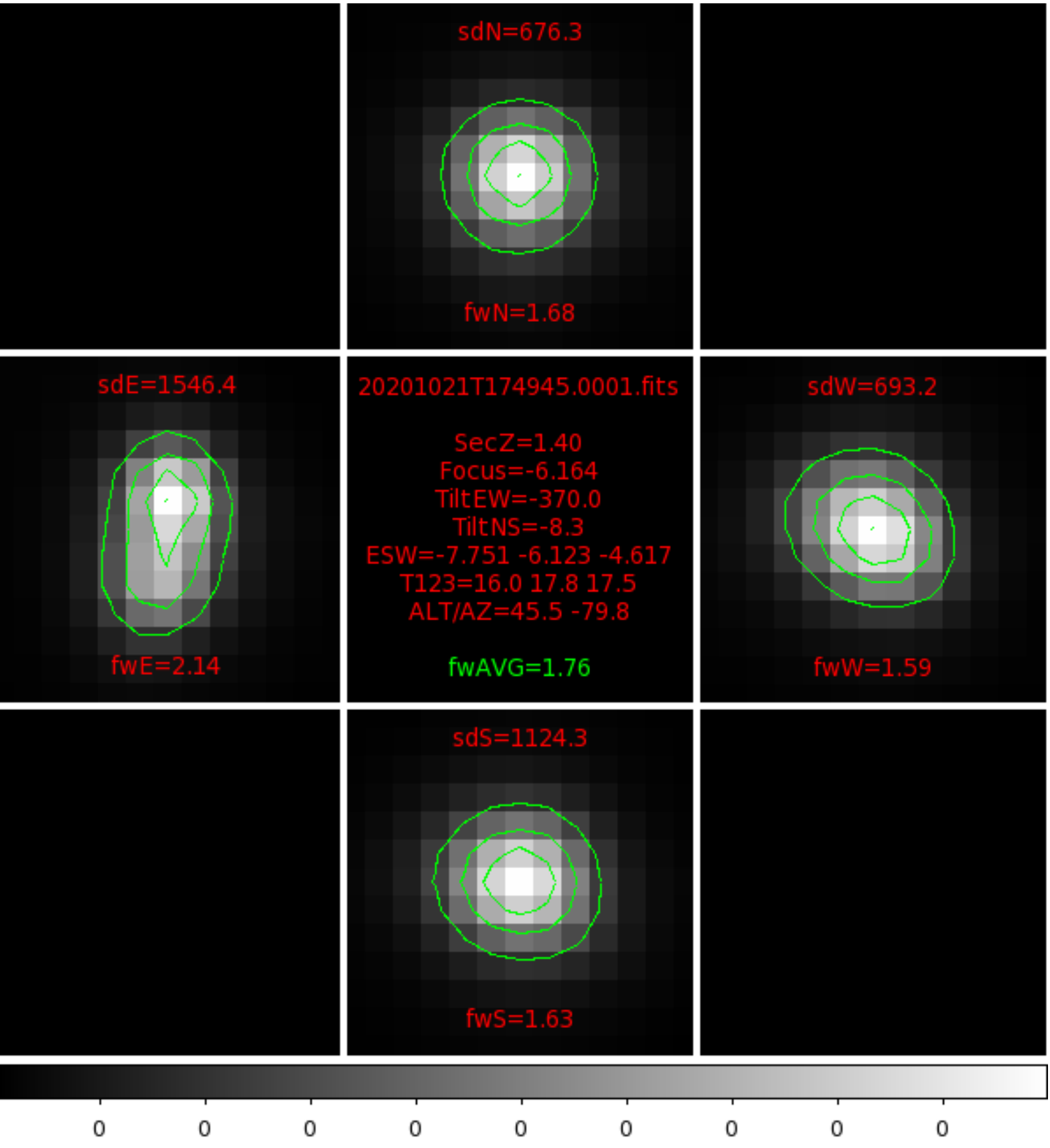
sdN=676.3
fwN=1.68
sdE=1546.4
fwE=2.14
20201021T174945.0001.fits
SecZ=1.40
Focus=-6.164
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.751 -6.123 -4.617
T123=16.0 17.8 17.5
ALT/AZ=45.5 -79.8
fwAVG=1.76
sdW=693.2
fwW=1.59
sdS=1124.3
fwS=1.63
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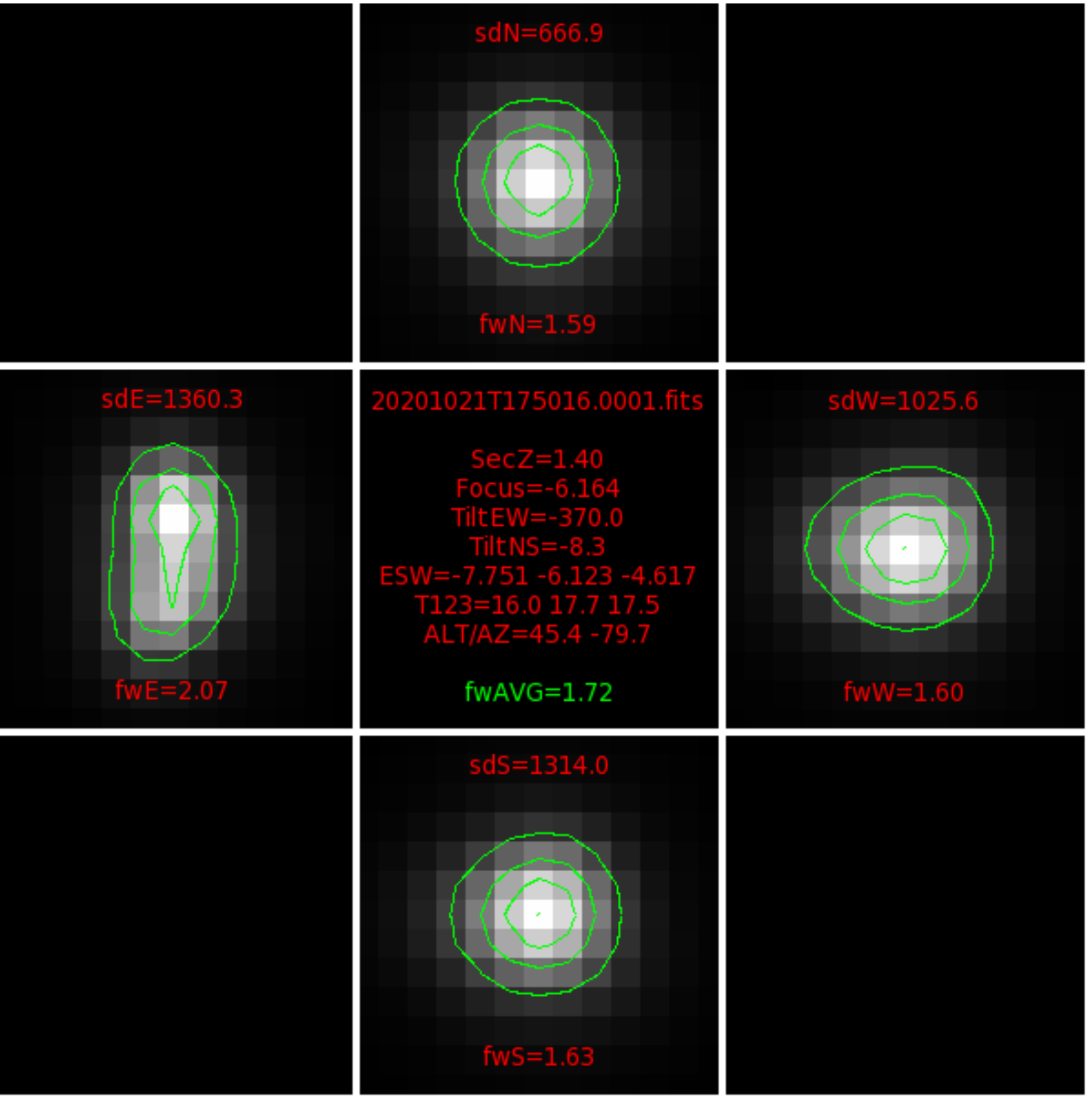
sdN=666.9
fwN=1.59
sdE=1360.3
fwE=2.07
20201021T175016.0001.fits
SecZ=1.40
Focus=-6.164
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.751 -6.123 -4.617
T123=16.0 17.7 17.5
ALT/AZ=45.4 -79.7
fwAVG=1.72
sdW=1025.6
fwW=1.60
sdS=1314.0
fwS=1.63
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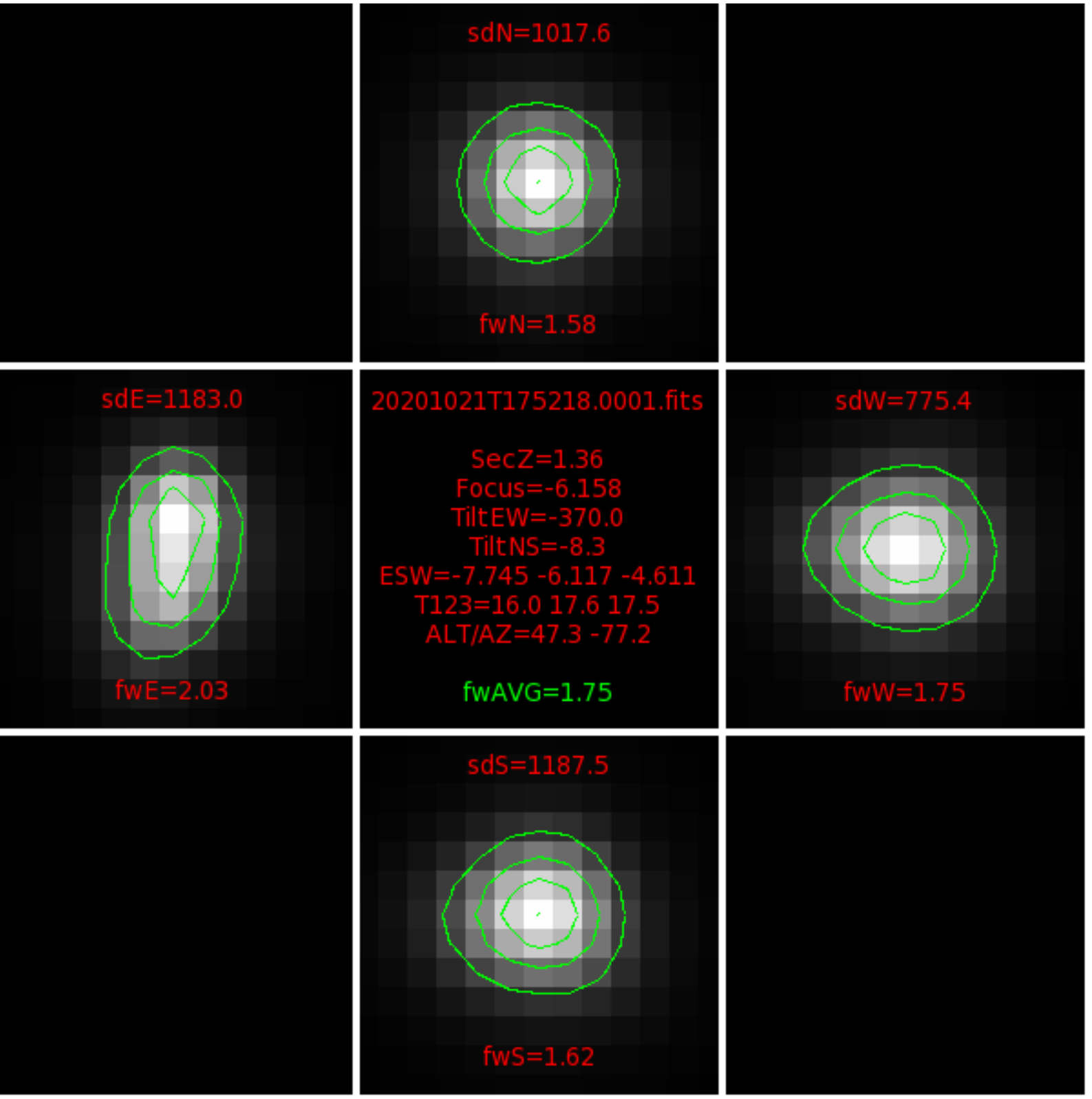
sdN=1017.6
fwN=1.58
sdE=1183.0
fwE=2.03
20201021T175218.0001.fits
SecZ=1.36
Focus=-6.158
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.745 -6.117 -4.611
T123=16.0 17.6 17.5
ALT/AZ=47.3 -77.2
fwAVG=1.75
sdW=775.4
fwW=1.75
sdS=1187.5
fwS=1.62
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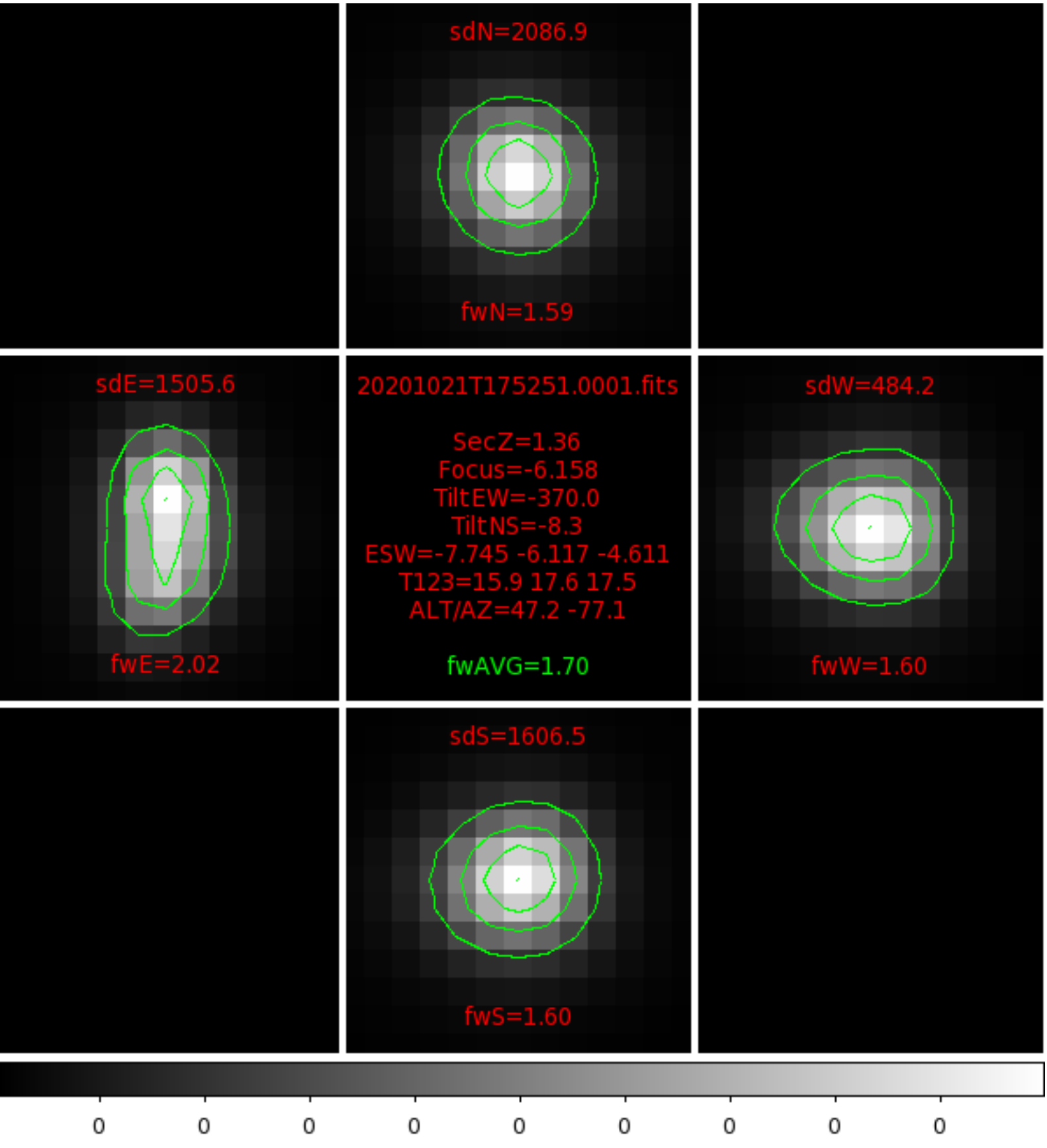
sdN=2086.9
fwN=1.59
sdE=1505.6
fwE=2.02
20201021T175251.0001.fits
SecZ=1.36
Focus=-6.158
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.745 -6.117 -4.611
T123=15.9 17.6 17.5
ALT/AZ=47.2 -77.1
fwAVG=1.70
sdW=484.2
fwW=1.60
sdS=1606.5
fwS=1.60
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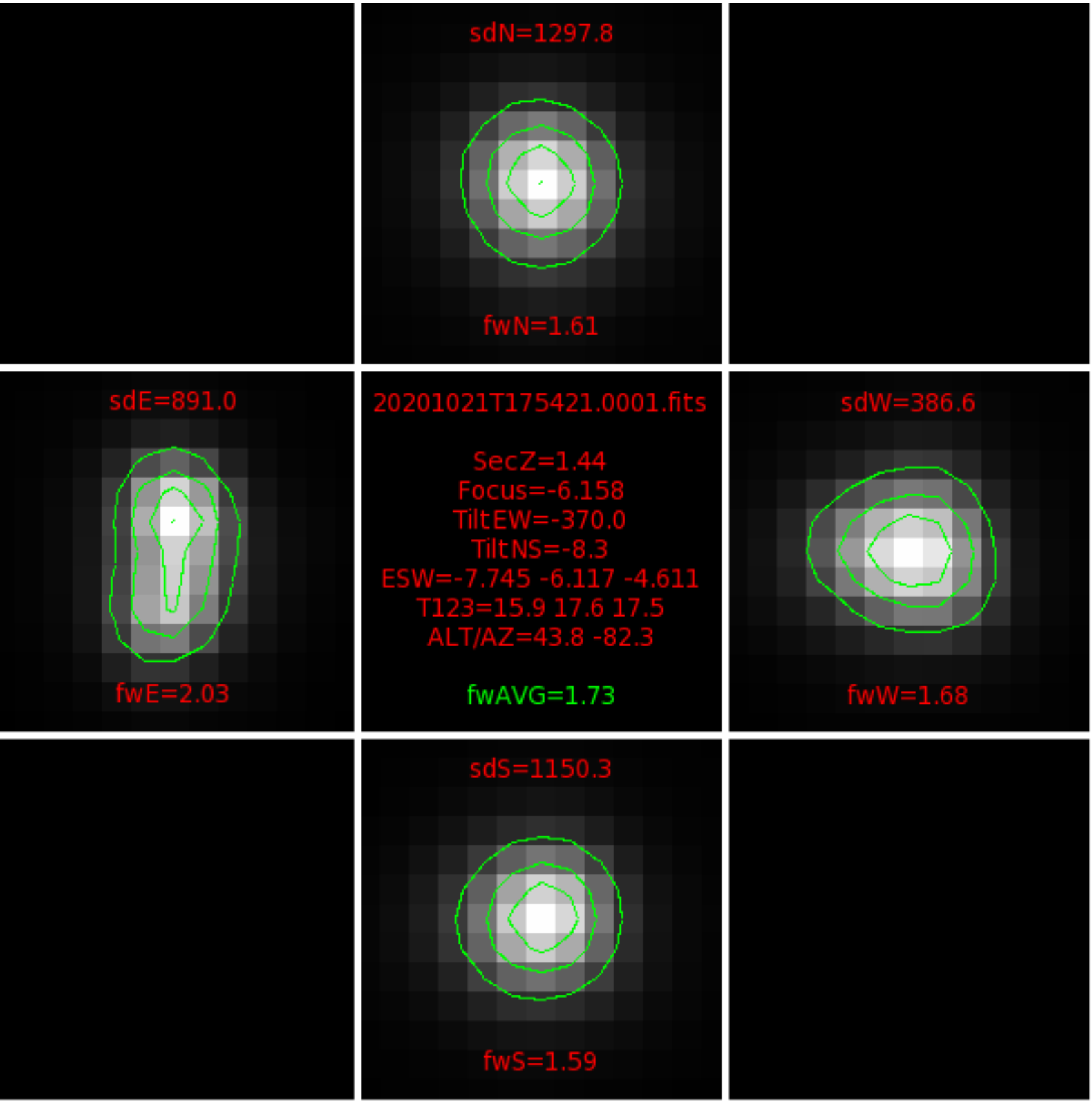
sdN=1297.8
fwN=1.61
sdE=891.0
fwE=2.03
20201021T175421.0001.fits
SecZ=1.44
Focus=-6.158
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.745 -6.117 -4.611
T123=15.9 17.6 17.5
ALT/AZ=43.8 -82.3
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sdW=386.6
fwW=1.68
sdS=1150.3
fwS=1.59
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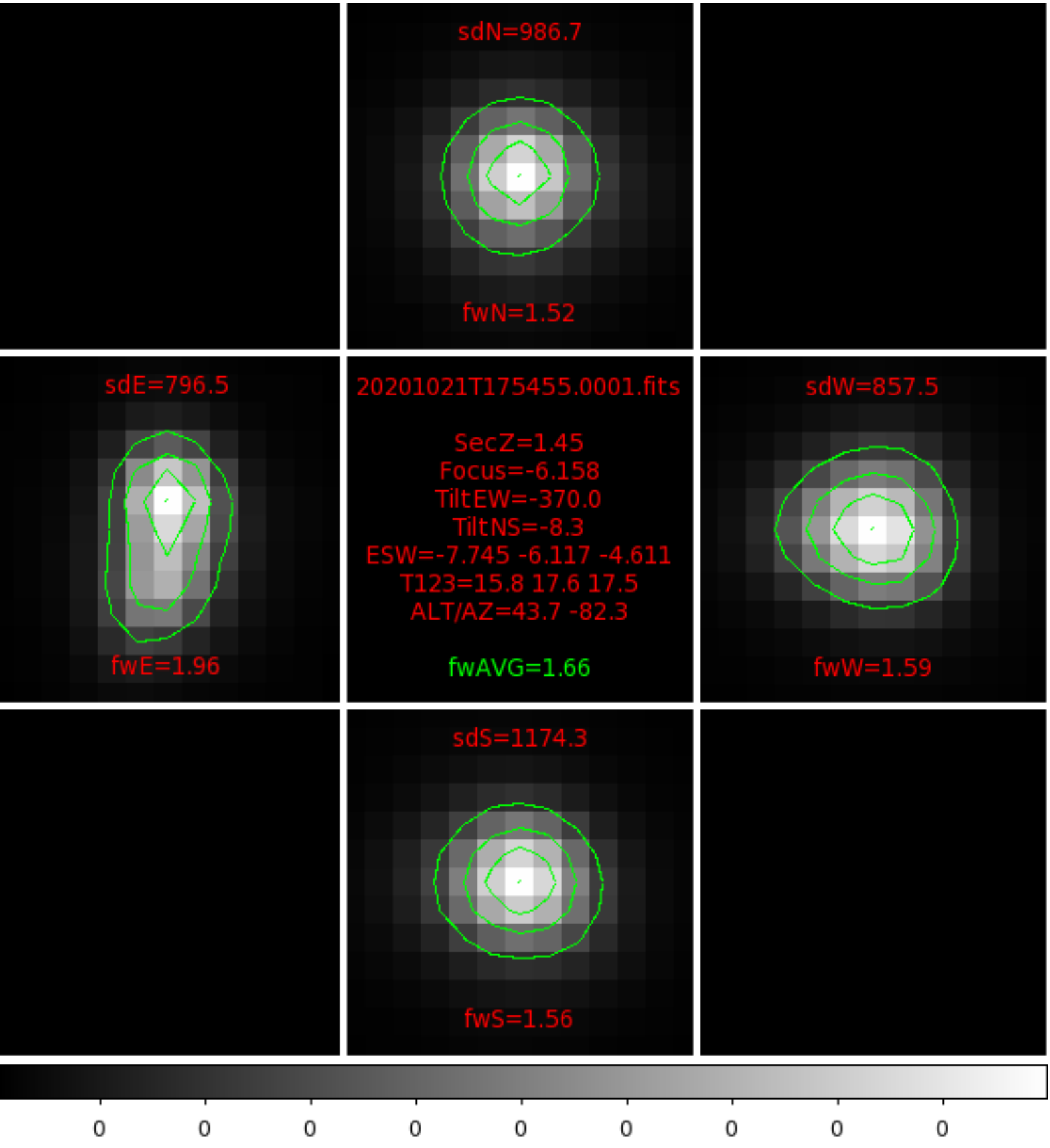
sdN=986.7
fwN=1.52
sdE=796.5
fwE=1.96
20201021T175455.0001.fits
SecZ=1.45
Focus=-6.158
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.745 -6.117 -4.611
T123=15.8 17.6 17.5
ALT/AZ=43.7 -82.3
fwAVG=1.66
sdW=857.5
fwW=1.59
sdS=1174.3
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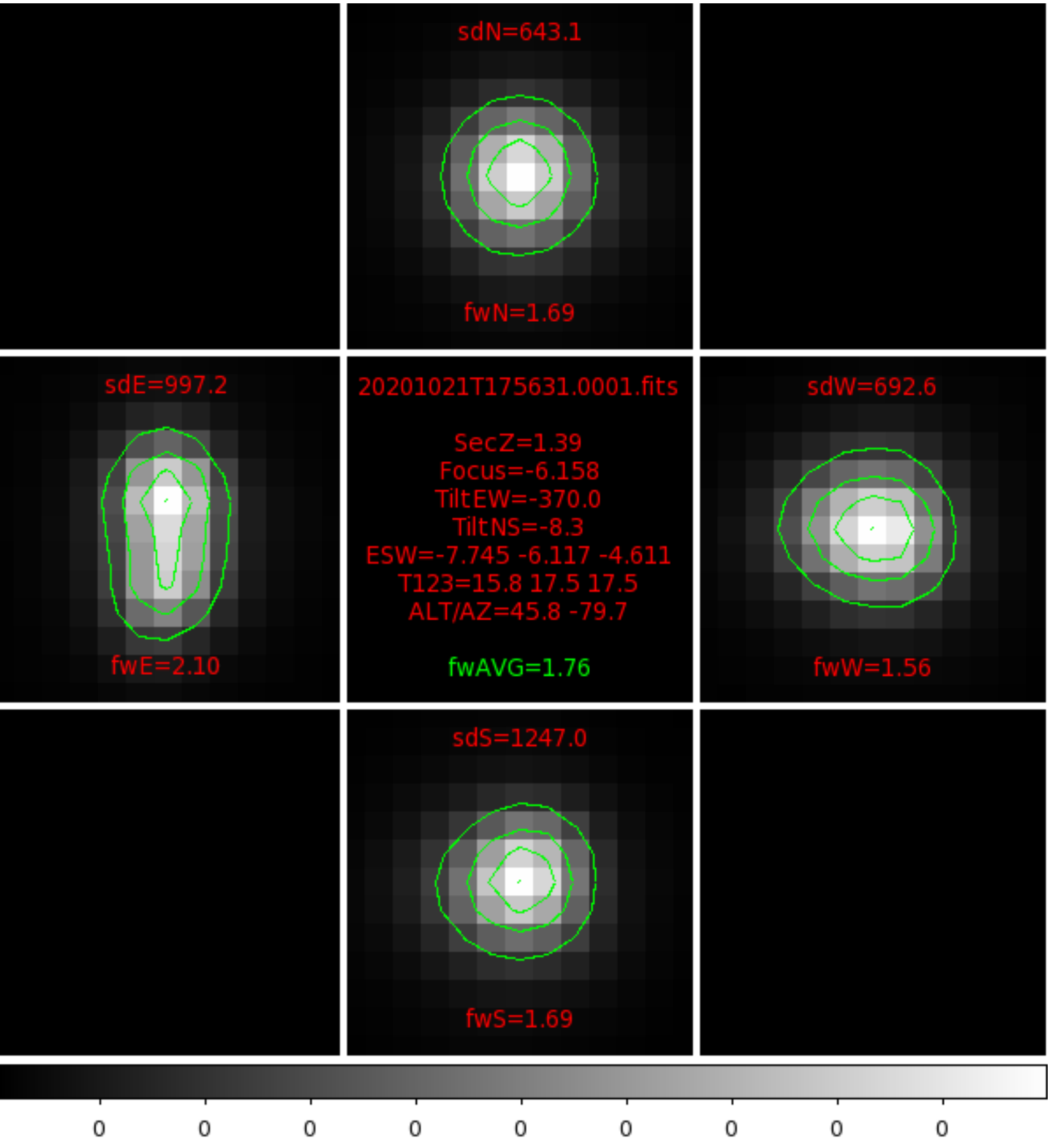
sdN=643.1
fwN=1.69
sdE=997.2
fwE=2.10
20201021T175631.0001.fits
SecZ=1.39
Focus=-6.158
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.745 -6.117 -4.611
T123=15.8 17.5 17.5
ALT/AZ=45.8 -79.7
fwAVG=1.76
sdW=692.6
fwW=1.56
sdS=1247.0
fwS=1.69
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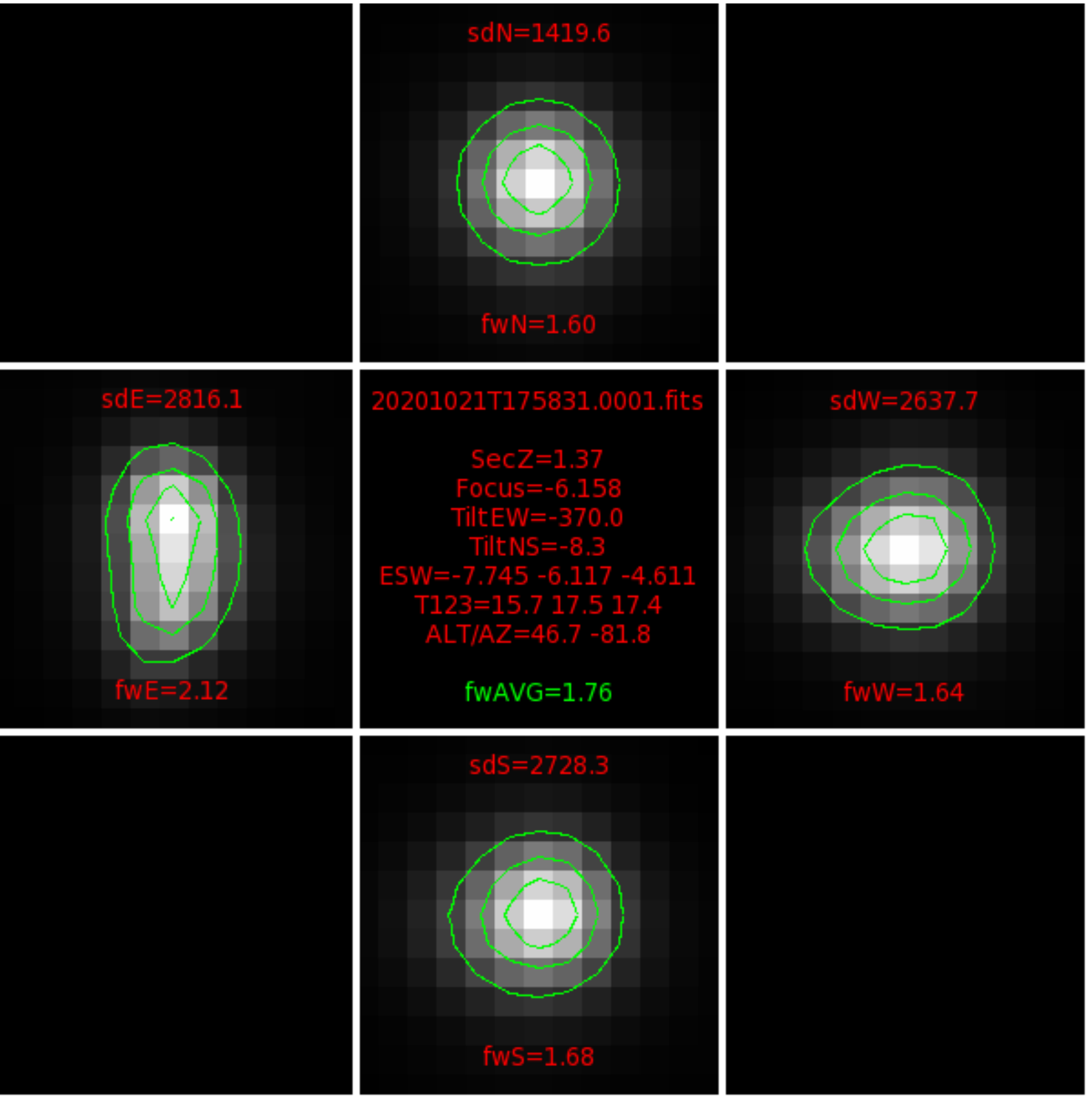
sdN=1419.6
fwN=1.60
sdE=2816.1
fwE=2.12
20201021T175831.0001.fits
SecZ=1.37
Focus=-6.158
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.745 -6.117 -4.611
T123=15.7 17.5 17.4
ALT/AZ=46.7 -81.8
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sdW=2637.7
fwW=1.64
sdS=2728.3
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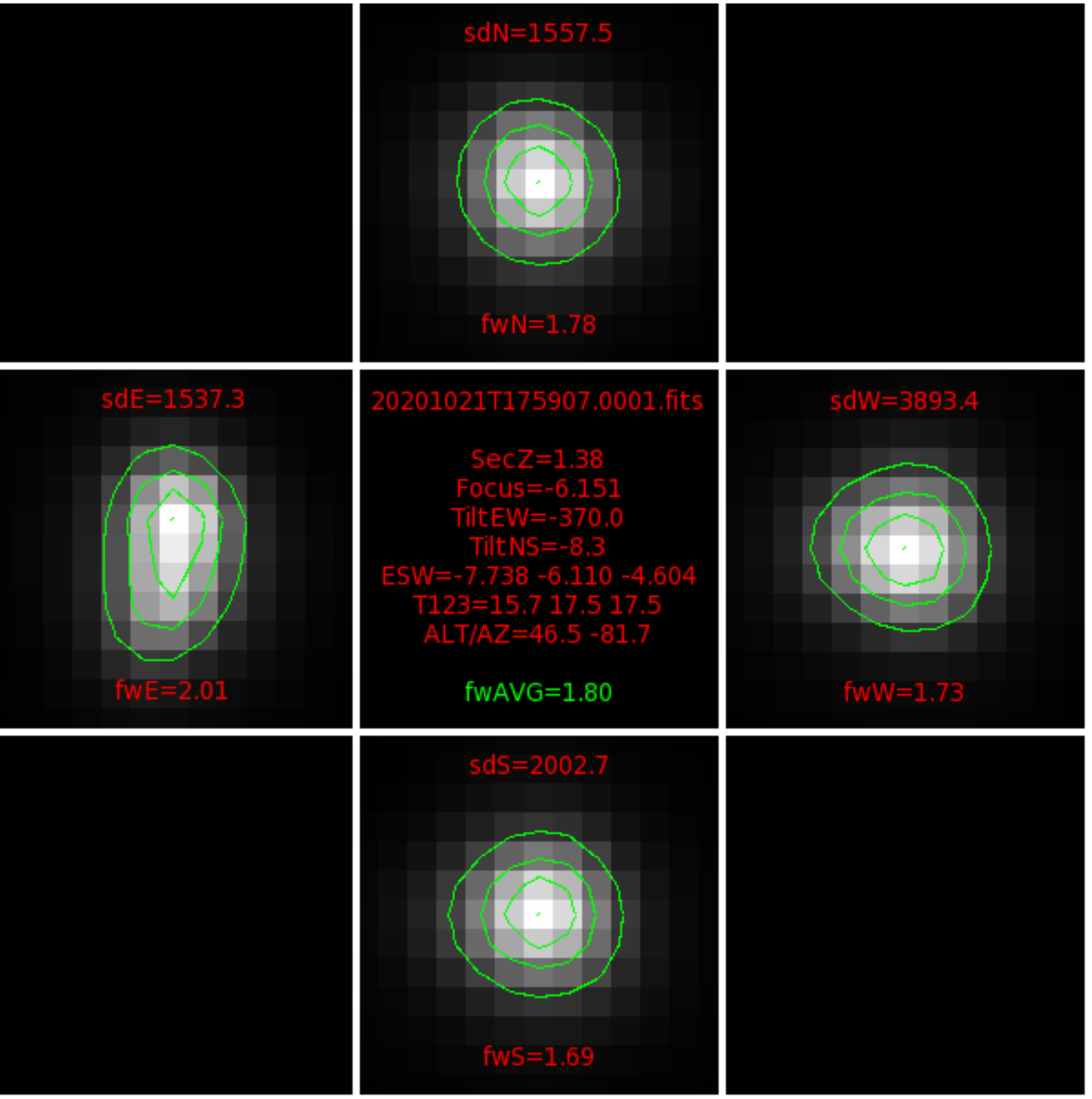
sdN=1557.5
fwN=1.78
sdE=1537.3
fwE=2.01
20201021T175907.0001.fits
SecZ=1.38
Focus=-6.151
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.738 -6.110 -4.604
T123=15.7 17.5 17.5
ALT/AZ=46.5 -81.7
fwAVG=1.80
sdW=3893.4
fwW=1.73
sdS=2002.7
fwS=1.69
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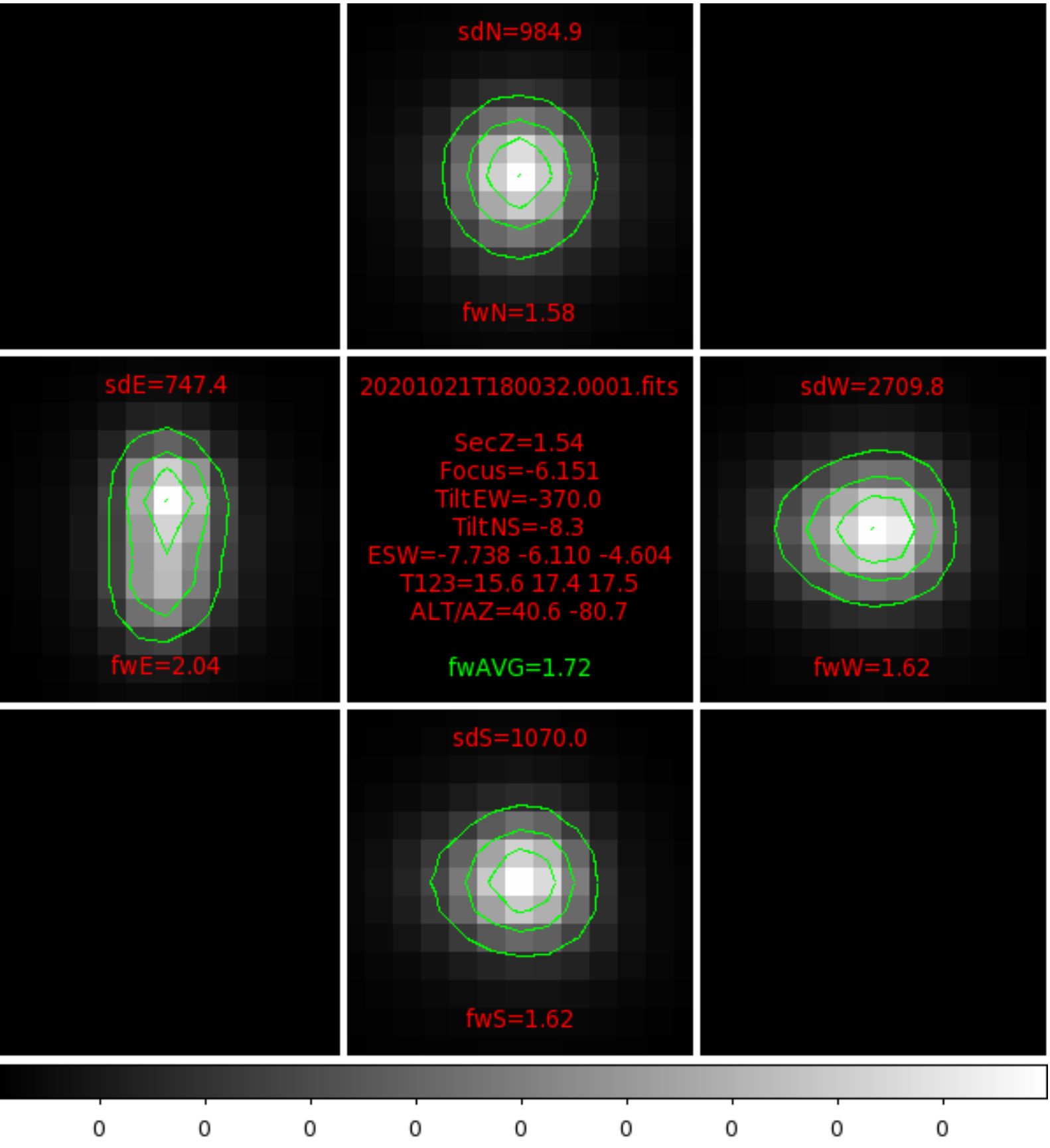
sdN=984.9
fwN=1.58
sdE=747.4
fwE=2.04
20201021T180032.0001.fits
SecZ=1.54
Focus=-6.151
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.738 -6.110 -4.604
T123=15.6 17.4 17.5
ALT/AZ=40.6 -80.7
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sdW=2709.8
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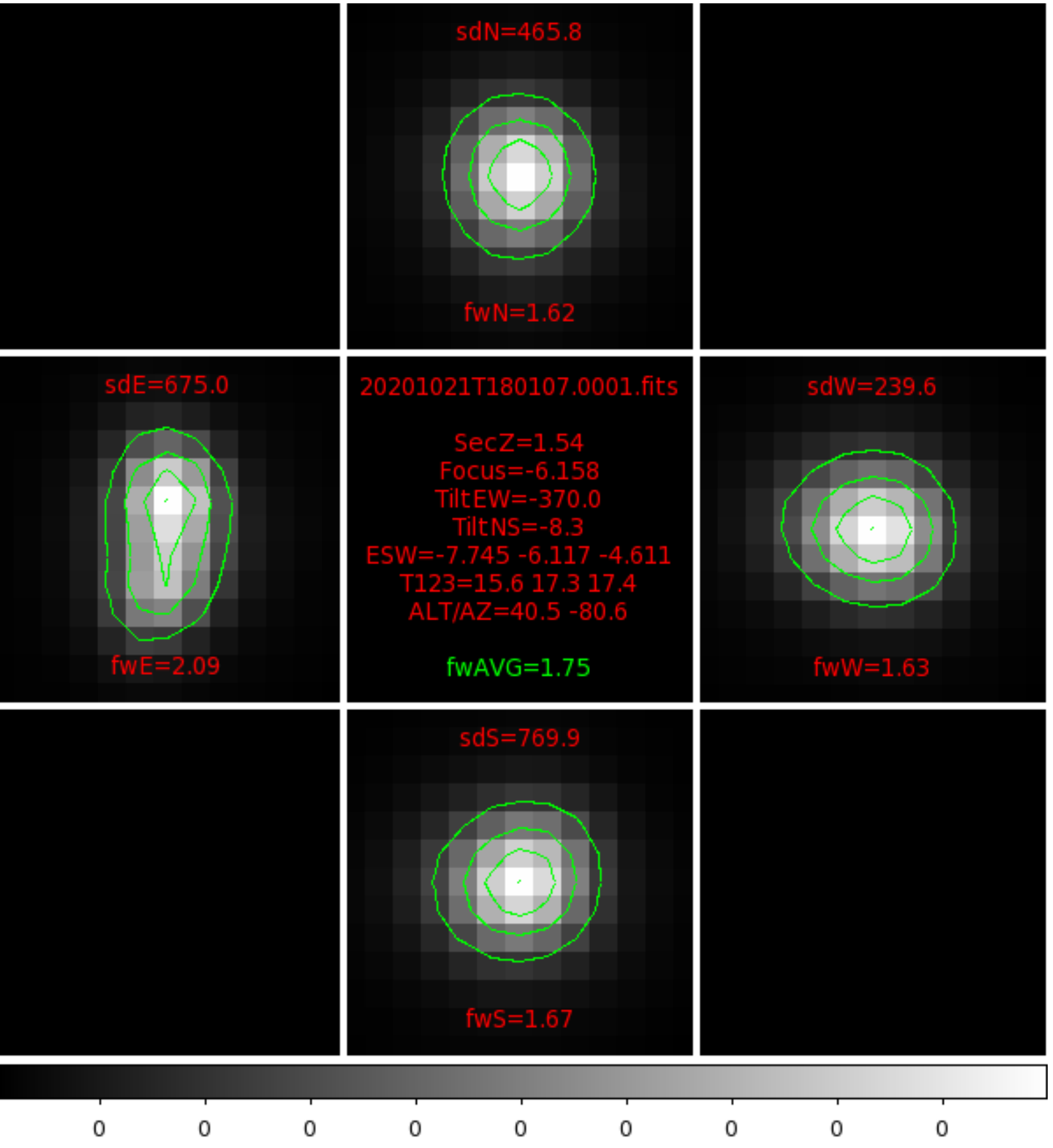
sdN=465.8
fwN=1.62
sdE=675.0
fwE=2.09
20201021T180107.0001.fits
SecZ=1.54
Focus=-6.158
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.745 -6.117 -4.611
T123=15.6 17.3 17.4
ALT/AZ=40.5 -80.6
fwAVG=1.75
sdW=239.6
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sdS=769.9
fwS=1.67
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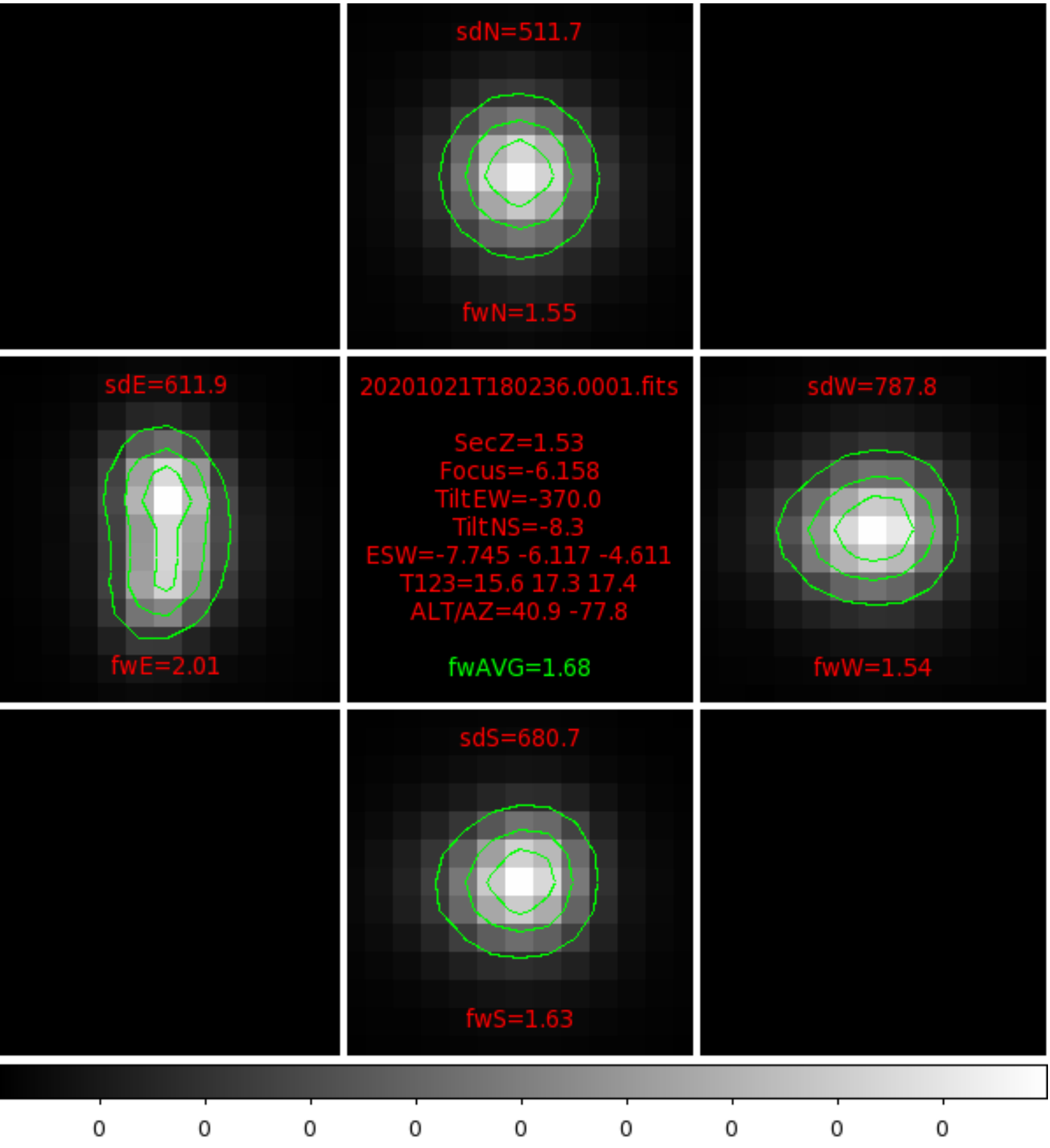
sdN=511.7
fwN=1.55
sdE=611.9
fwE=2.01
20201021T180236.0001.fits
SecZ=1.53
Focus=-6.158
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.745 -6.117 -4.611
T123=15.6 17.3 17.4
ALT/AZ=40.9 -77.8
fwAVG=1.68
sdW=787.8
fwW=1.54
sdS=680.7
fwS=1.63
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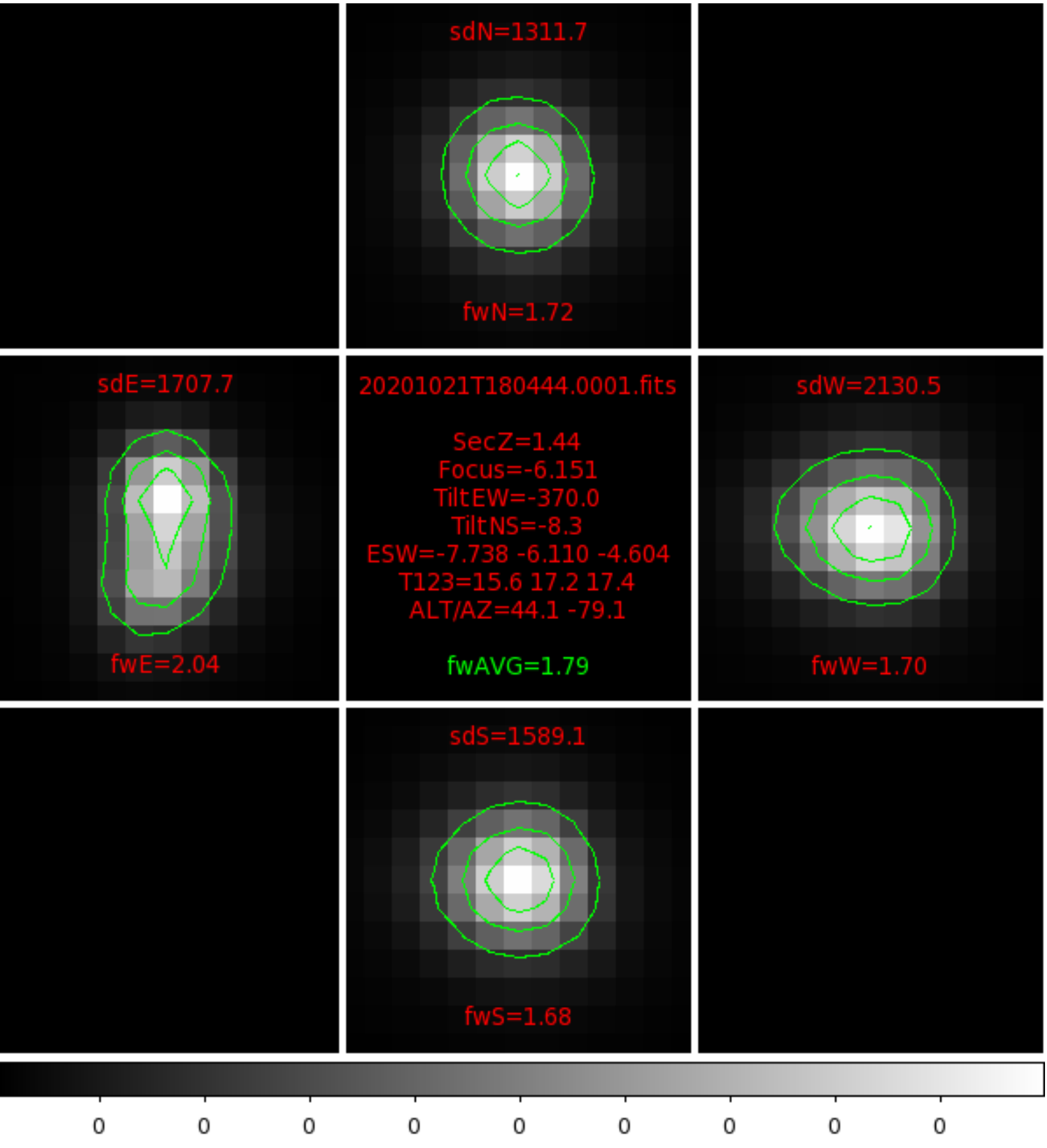
sdN=1311.7
fwN=1.72
sdE=1707.7
fwE=2.04
20201021T180444.0001.fits
SecZ=1.44
Focus=-6.151
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.738 -6.110 -4.604
T123=15.6 17.2 17.4
ALT/AZ=44.1 -79.1
fwAVG=1.79
sdW=2130.5
fwW=1.70
sdS=1589.1
fwS=1.68
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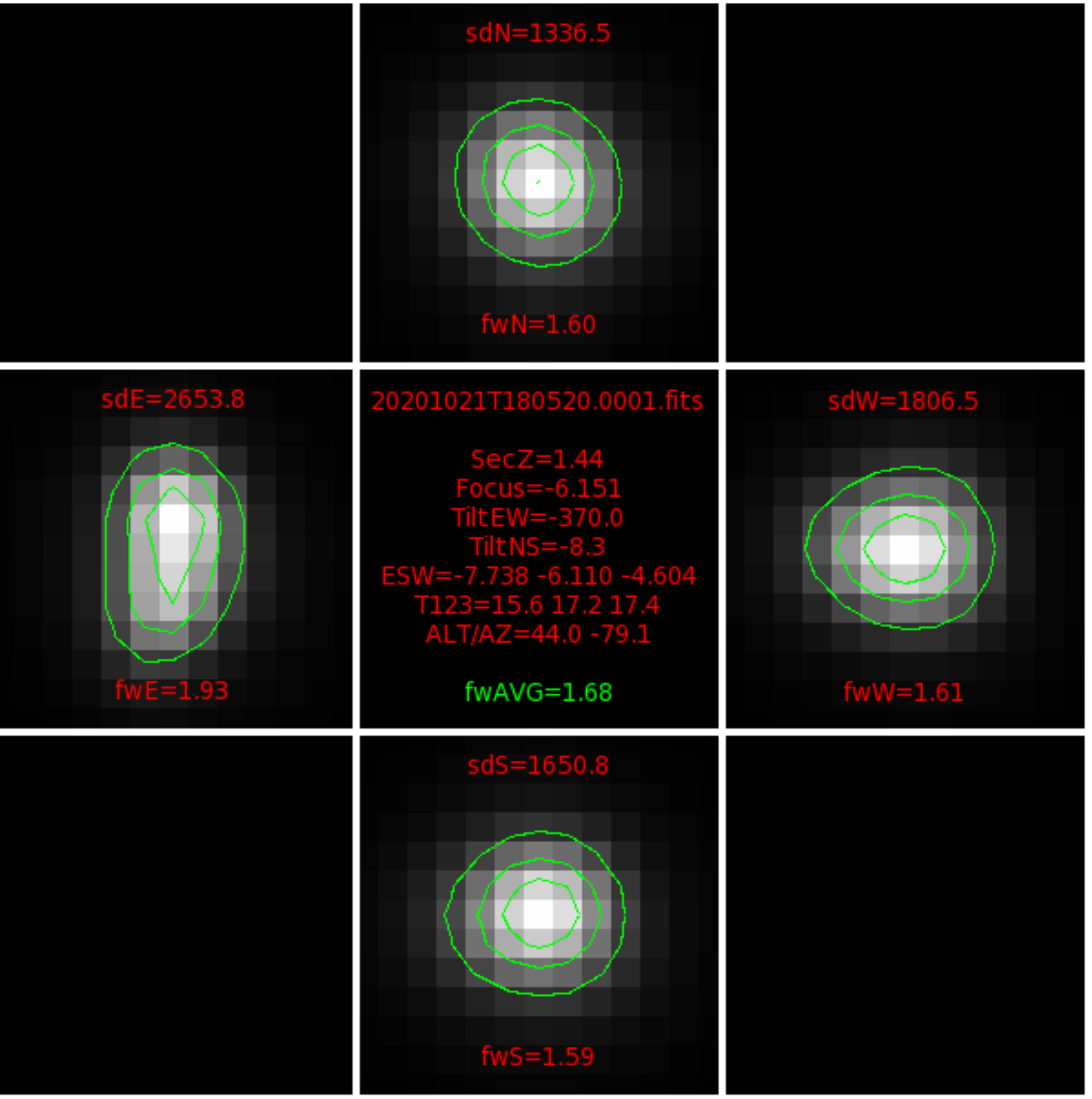
sdN=1336.5
fwN=1.60
sdE=2653.8
fwE=1.93
20201021T180520.0001.fits
SecZ=1.44
Focus=-6.151
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.738 -6.110 -4.604
T123=15.6 17.2 17.4
ALT/AZ=44.0 -79.1
fwAVG=1.68
sdW=1806.5
fwW=1.61
sdS=1650.8
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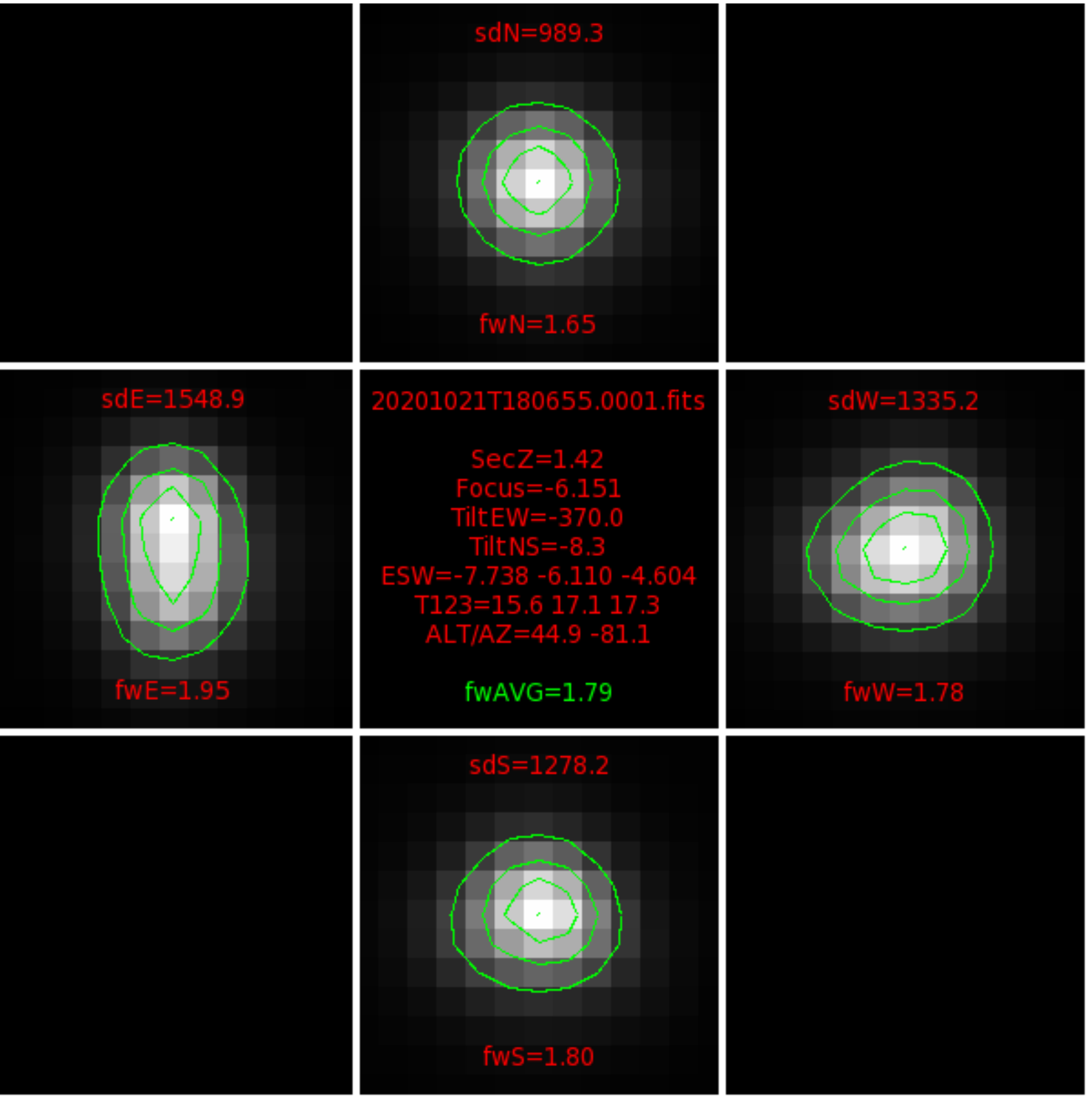
sdN=989.3
fwN=1.65
sdE=1548.9
fwE=1.95
20201021T180655.0001.fits
SecZ=1.42
Focus=-6.151
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.738 -6.110 -4.604
T123=15.6 17.1 17.3
ALT/AZ=44.9 -81.1
fwAVG=1.79
sdW=1335.2
fwW=1.78
sdS=1278.2
fwS=1.80
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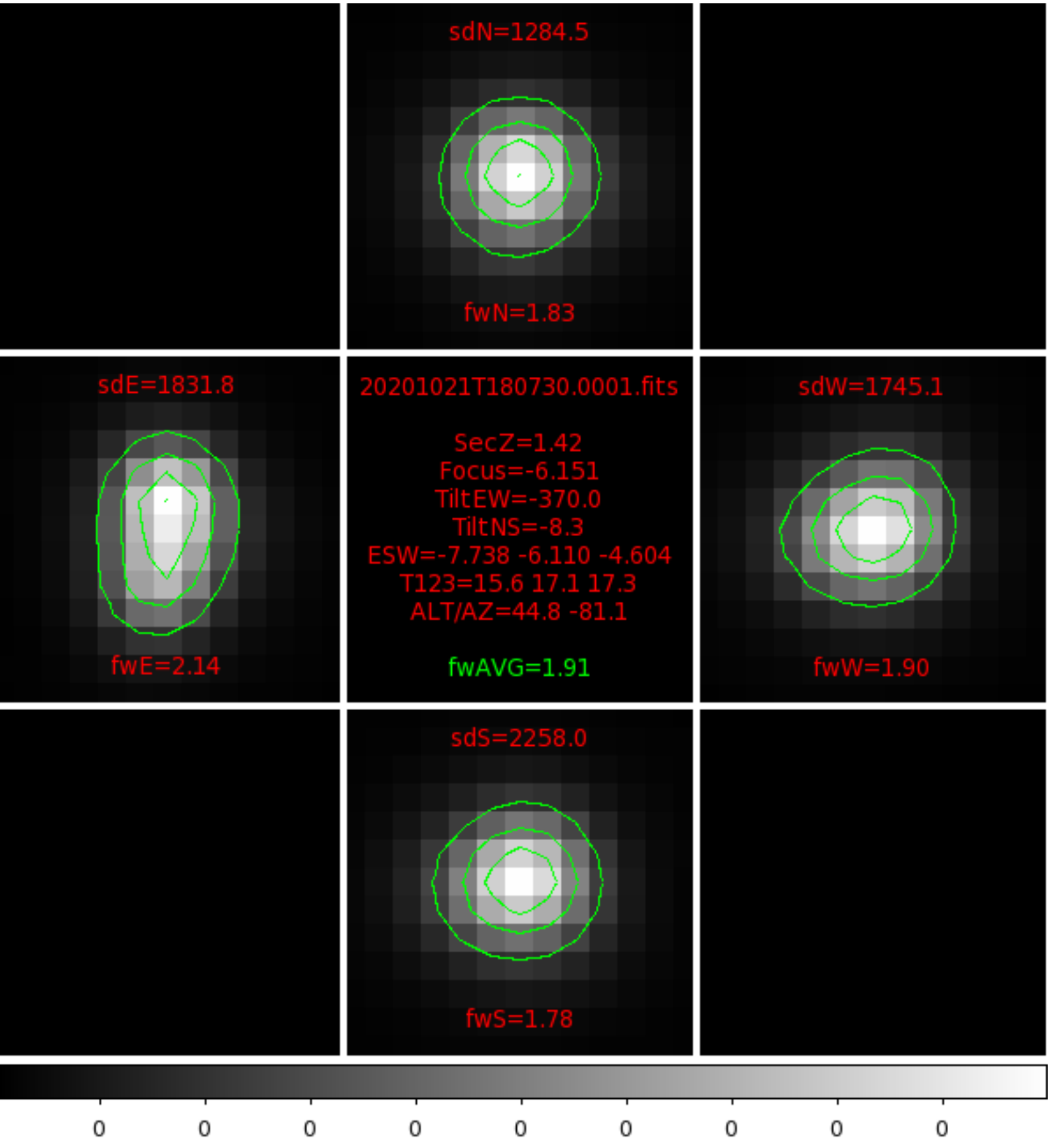
sdN=1284.5
fwN=1.83
sdE=1831.8
fwE=2.14
20201021T180730.0001.fits
SecZ=1.42
Focus=-6.151
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.738 -6.110 -4.604
T123=15.6 17.1 17.3
ALT/AZ=44.8 -81.1
fwAVG=1.91
sdW=1745.1
fwW=1.90
sdS=2258.0
fwS=1.78
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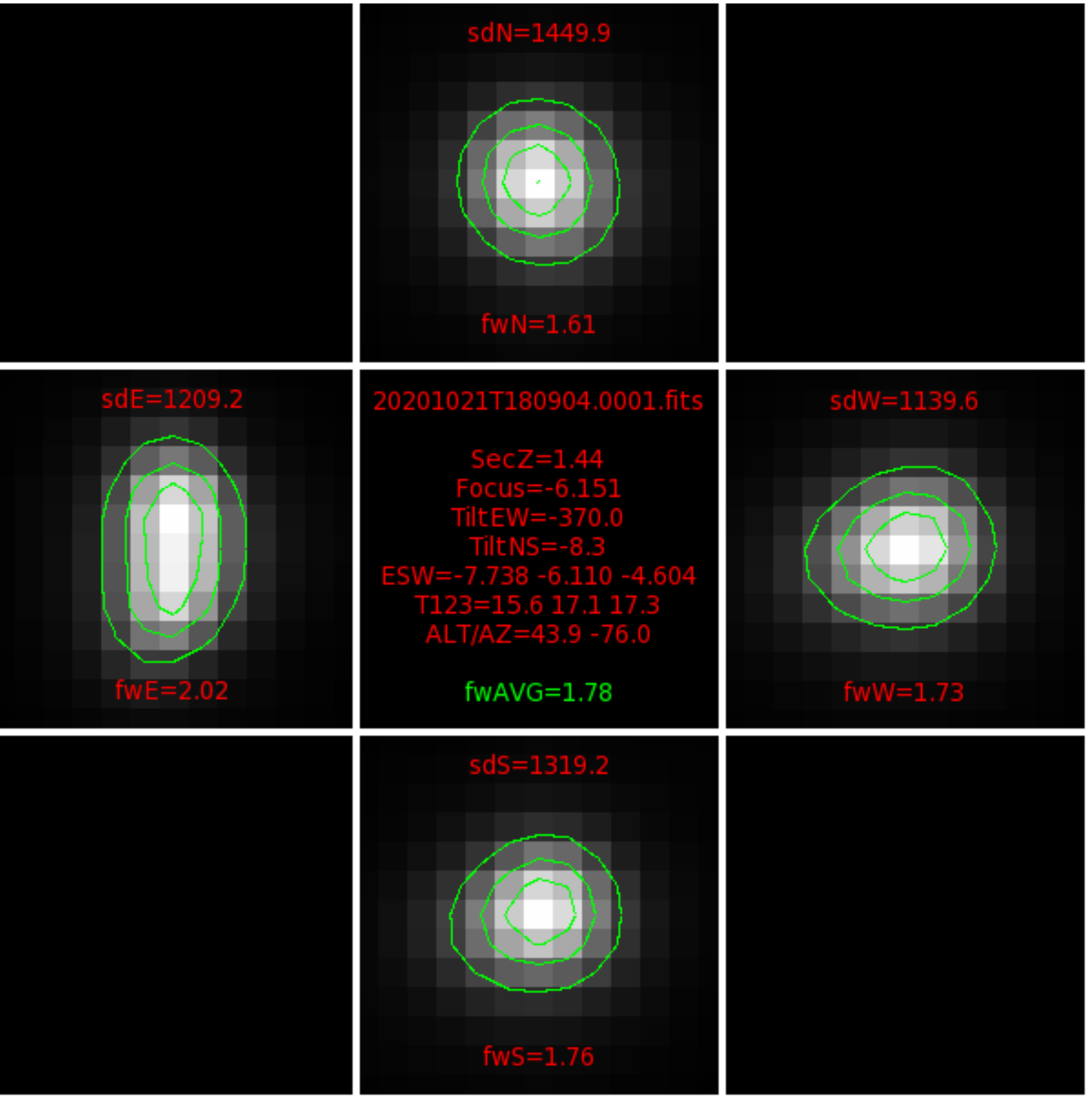
sdN=1449.9
fwN=1.61
sdE=1209.2
fwE=2.02
20201021T180904.0001.fits
SecZ=1.44
Focus=-6.151
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.738 -6.110 -4.604
T123=15.6 17.1 17.3
ALT/AZ=43.9 -76.0
fwAVG=1.78
sdW=1139.6
fwW=1.73
sdS=1319.2
fwS=1.76
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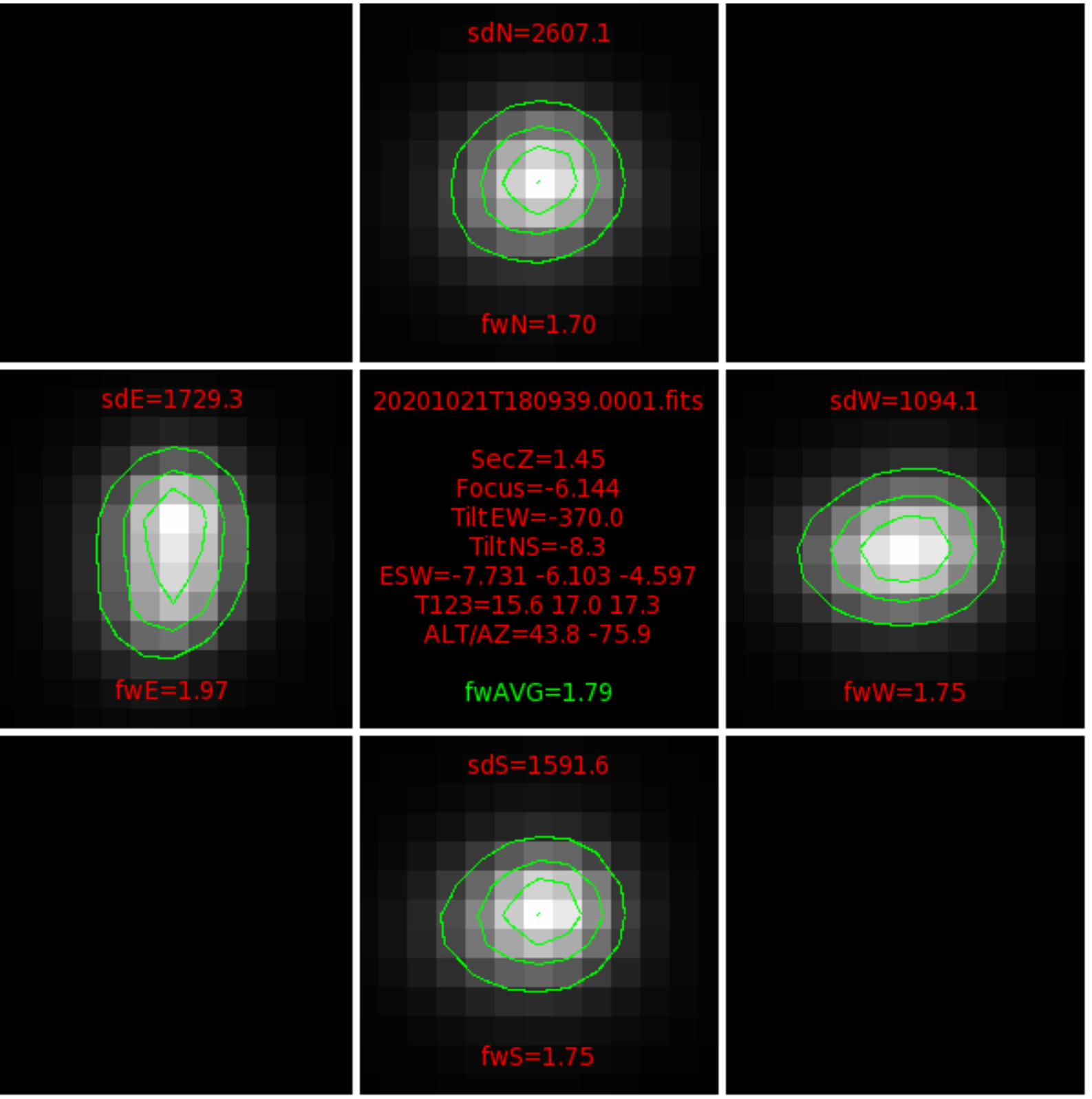
sdN=2607.1
fwN=1.70
sdE=1729.3
fwE=1.97
20201021T180939.0001.fits
SecZ=1.45
Focus=-6.144
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.731 -6.103 -4.597
T123=15.6 17.0 17.3
ALT/AZ=43.8 -75.9
fwAVG=1.79
sdW=1094.1
fwW=1.75
sdS=1591.6
fwS=1.75
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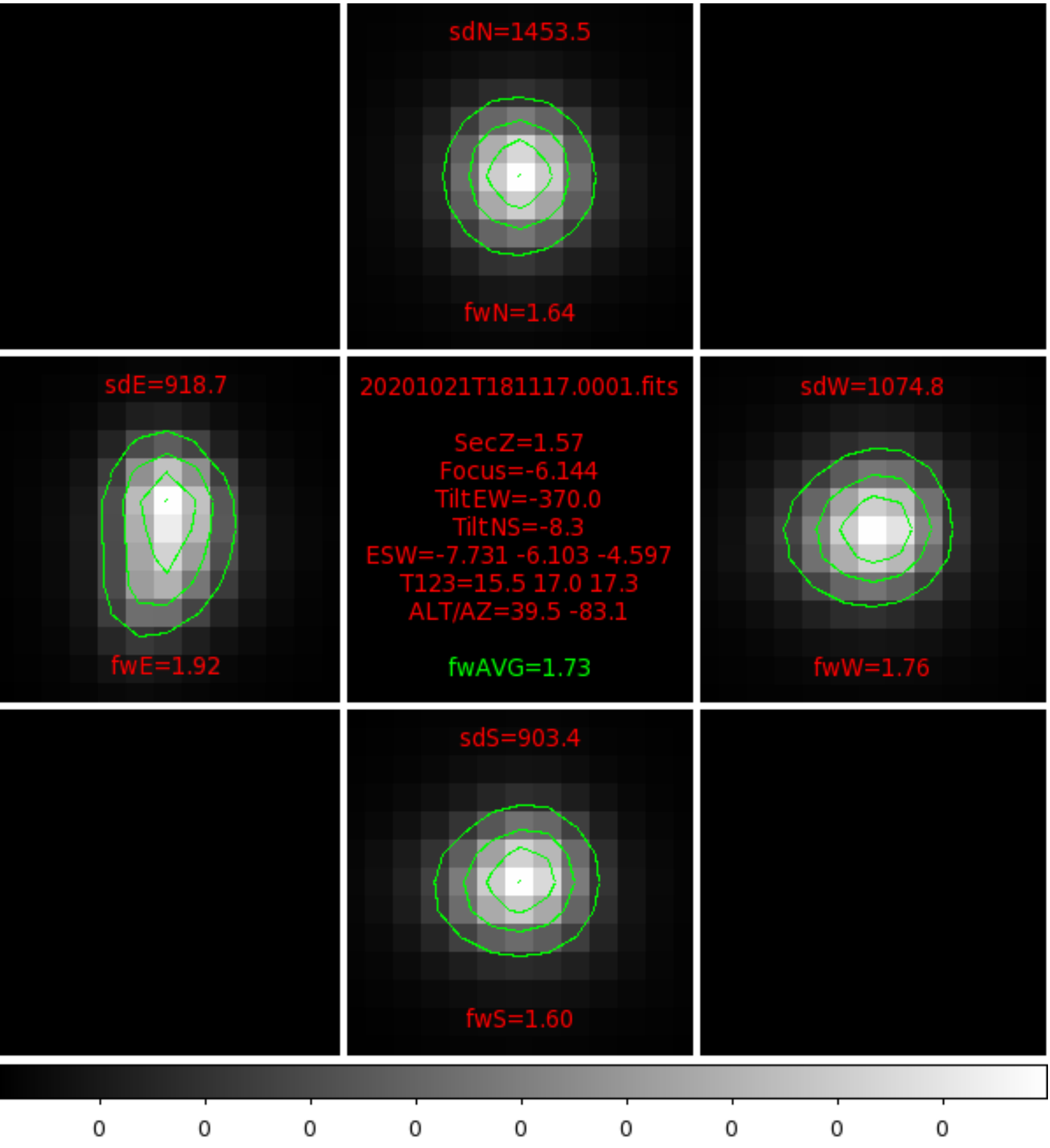
sdN=1453.5
fwN=1.64
sdE=918.7
fwE=1.92
20201021T181117.0001.fits
SecZ=1.57
Focus=-6.144
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.731 -6.103 -4.597
T123=15.5 17.0 17.3
ALT/AZ=39.5 -83.1
fwAVG=1.73
sdW=1074.8
fwW=1.76
sdS=903.4
fwS=1.60
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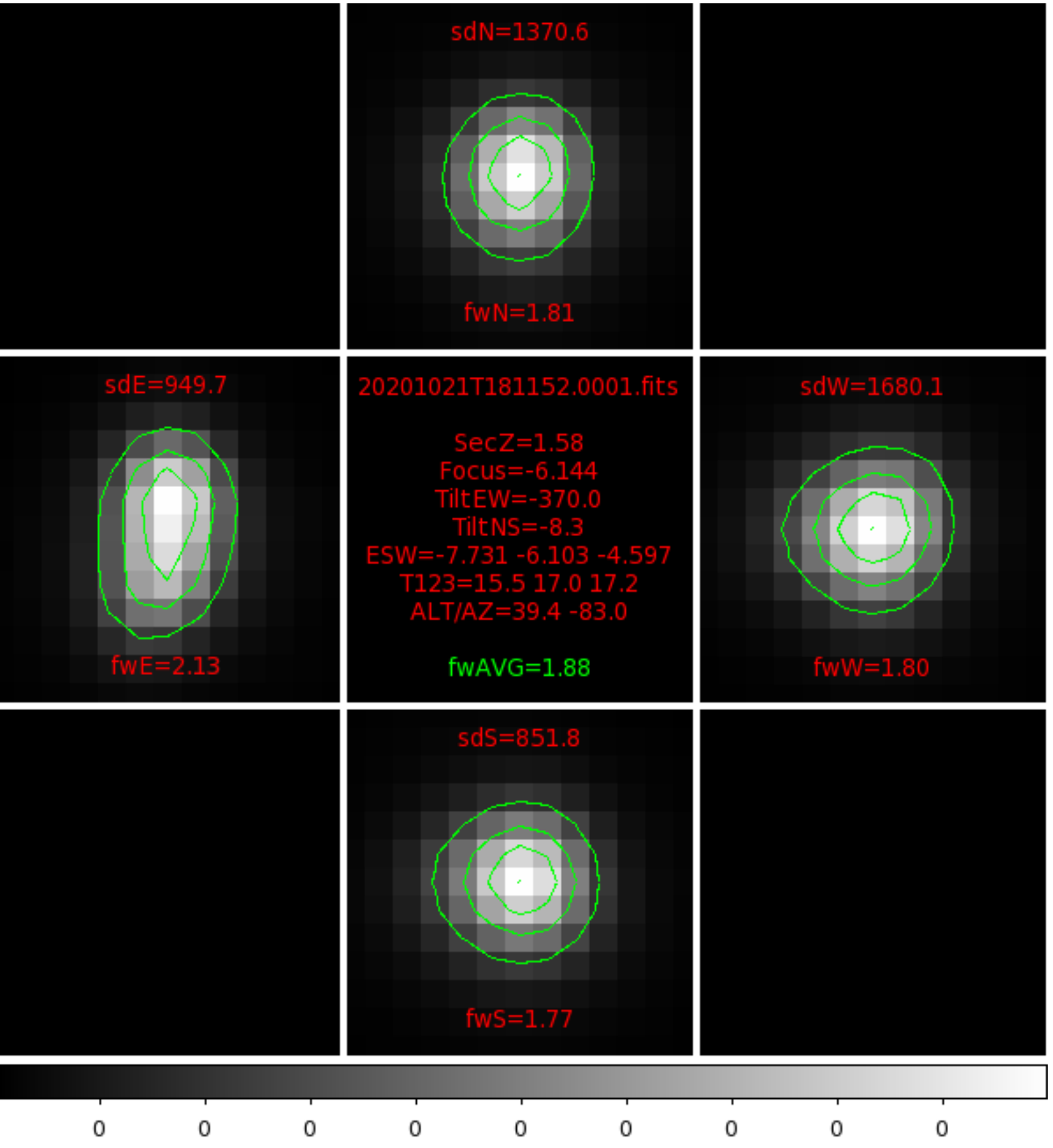
sdN=1370.6
fwN=1.81
sdE=949.7
fwE=2.13
20201021T181152.0001.fits
SecZ=1.58
Focus=-6.144
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.731 -6.103 -4.597
T123=15.5 17.0 17.2
ALT/AZ=39.4 -83.0
fwAVG=1.88
sdW=1680.1
fwW=1.80
sdS=851.8
fwS=1.77
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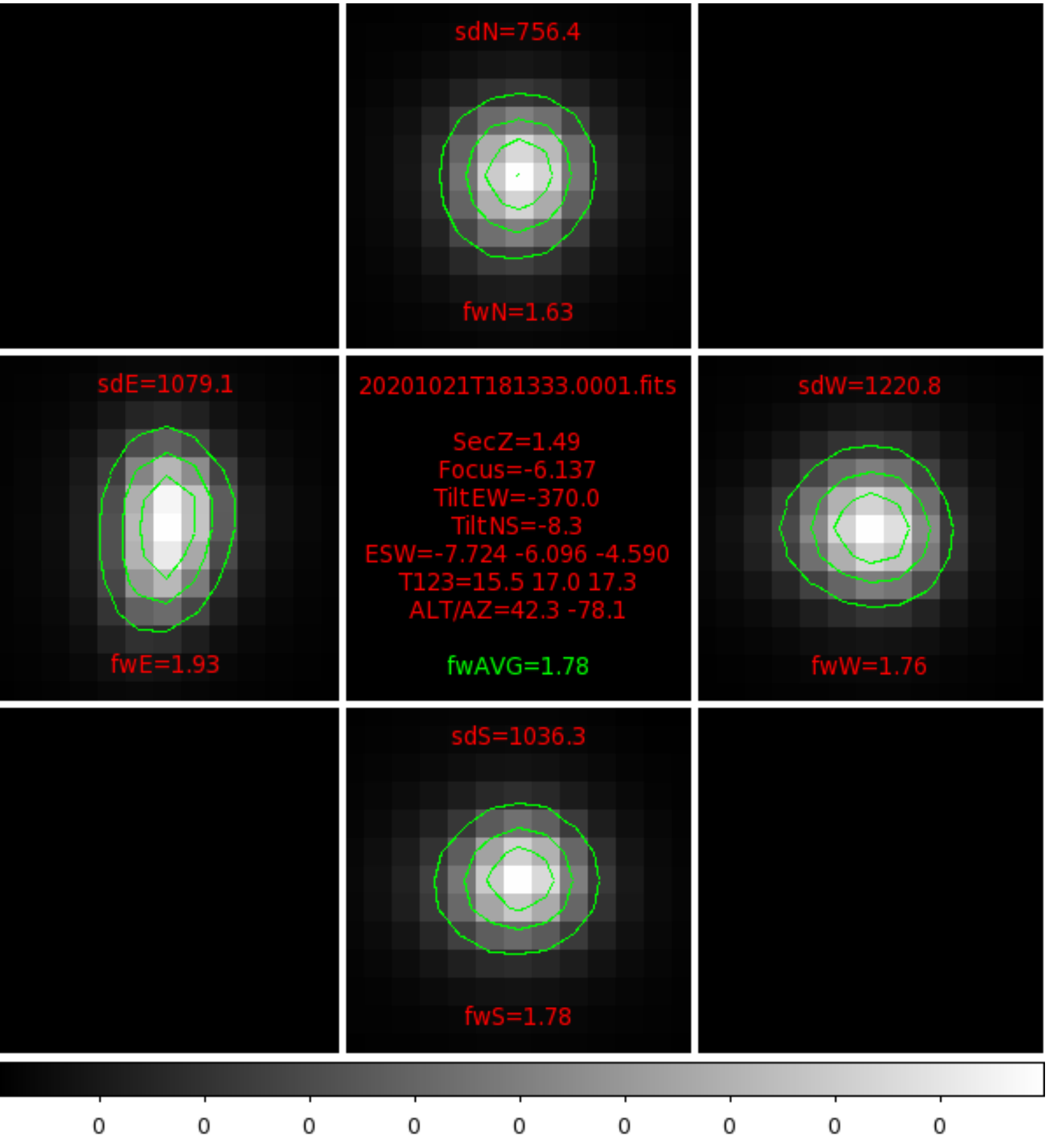
sdN=756.4
fwN=1.63
sdE=1079.1
fwE=1.93
20201021T181333.0001.fits
SecZ=1.49
Focus=-6.137
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.724 -6.096 -4.590
T123=15.5 17.0 17.3
ALT/AZ=42.3 -78.1
fwAVG=1.78
sdW=1220.8
fwW=1.76
sdS=1036.3
fwS=1.78
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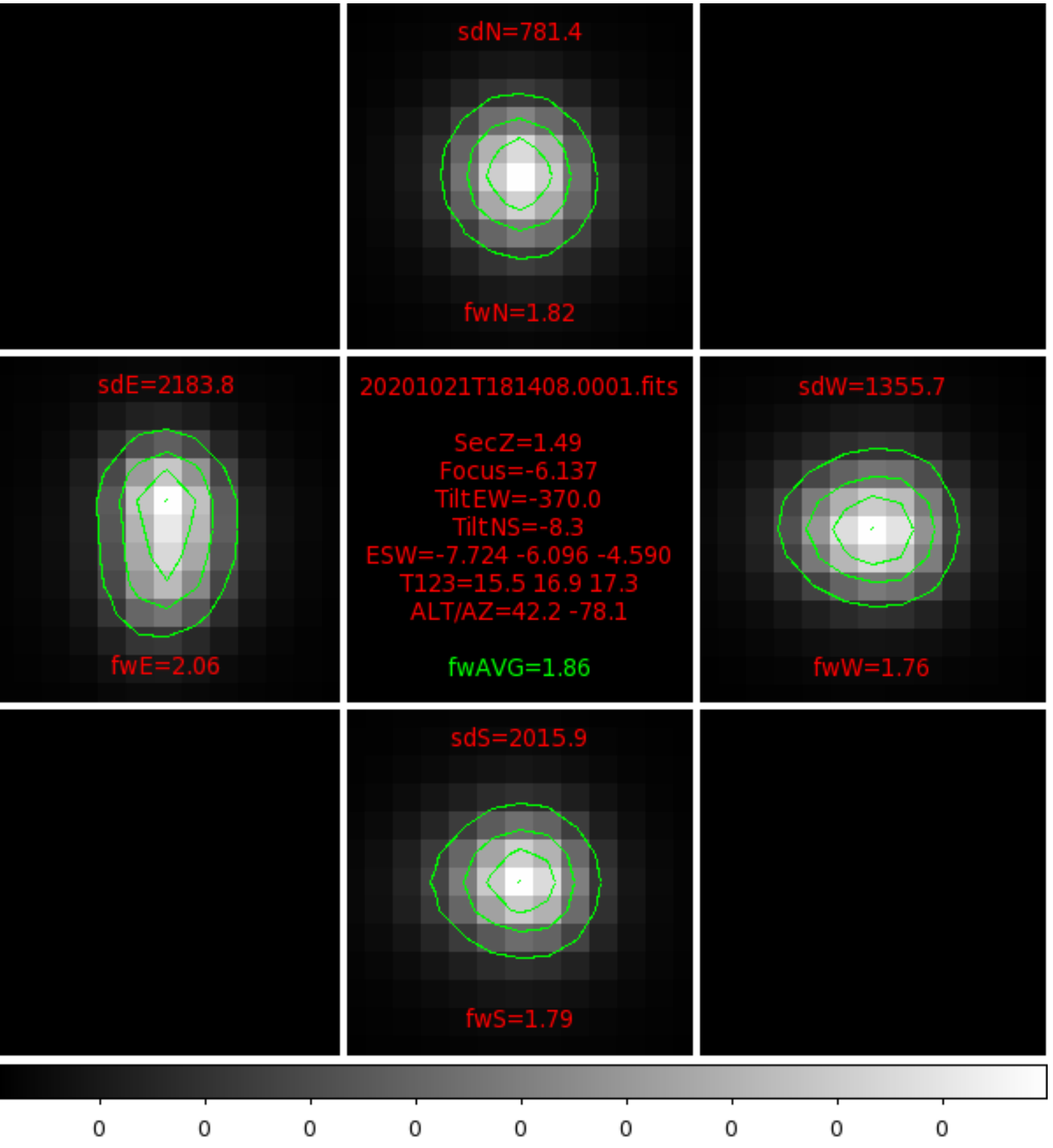
sdN=781.4
fwN=1.82
sdE=2183.8
fwE=2.06
20201021T181408.0001.fits
SecZ=1.49
Focus=-6.137
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.724 -6.096 -4.590
T123=15.5 16.9 17.3
ALT/AZ=42.2 -78.1
fwAVG=1.86
sdW=1355.7
fwW=1.76
sdS=2015.9
fwS=1.79
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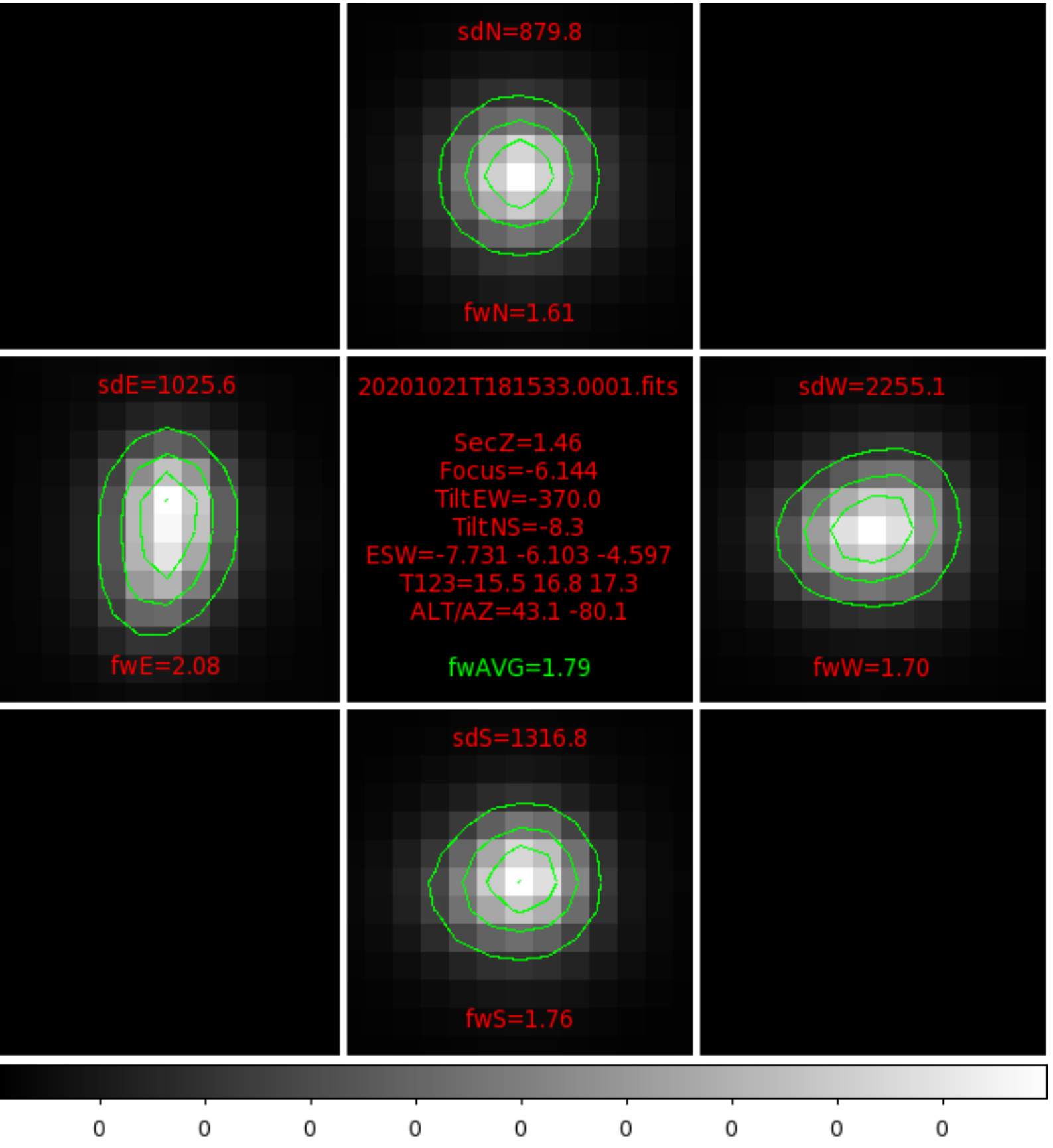
sdN=879.8
fwN=1.61
sdE=1025.6
fwE=2.08
20201021T181533.0001.fits
SecZ=1.46
Focus=-6.144
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.731 -6.103 -4.597
T123=15.5 16.8 17.3
ALT/AZ=43.1 -80.1
fwAVG=1.79
sdW=2255.1
fwW=1.70
sdS=1316.8
fwS=1.76
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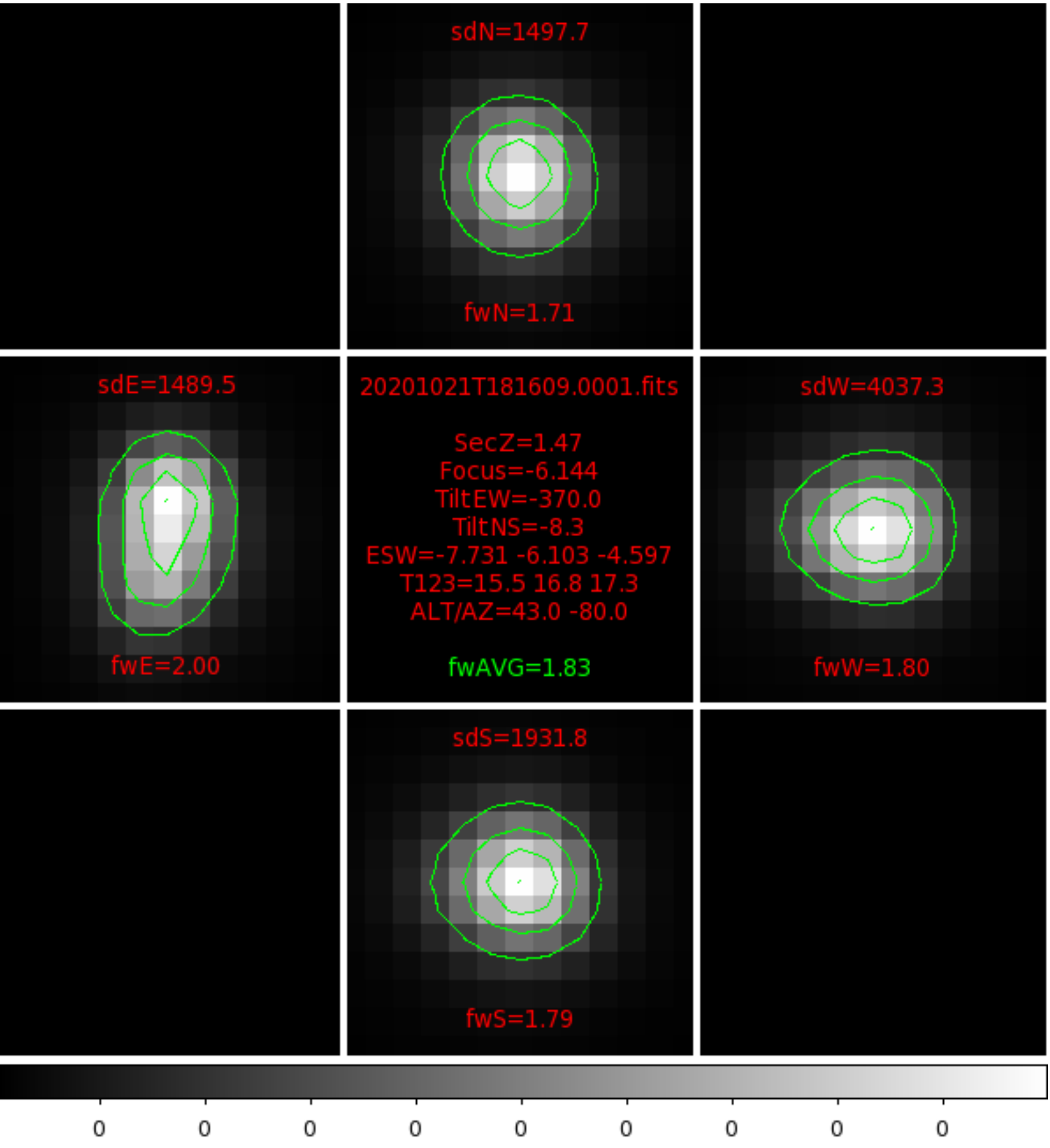
sdN=1497.7
fwN=1.71
sdE=1489.5
fwE=2.00
20201021T181609.0001.fits
SecZ=1.47
Focus=-6.144
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.731 -6.103 -4.597
T123=15.5 16.8 17.3
ALT/AZ=43.0 -80.0
fwAVG=1.83
sdW=4037.3
fwW=1.80
sdS=1931.8
fwS=1.79
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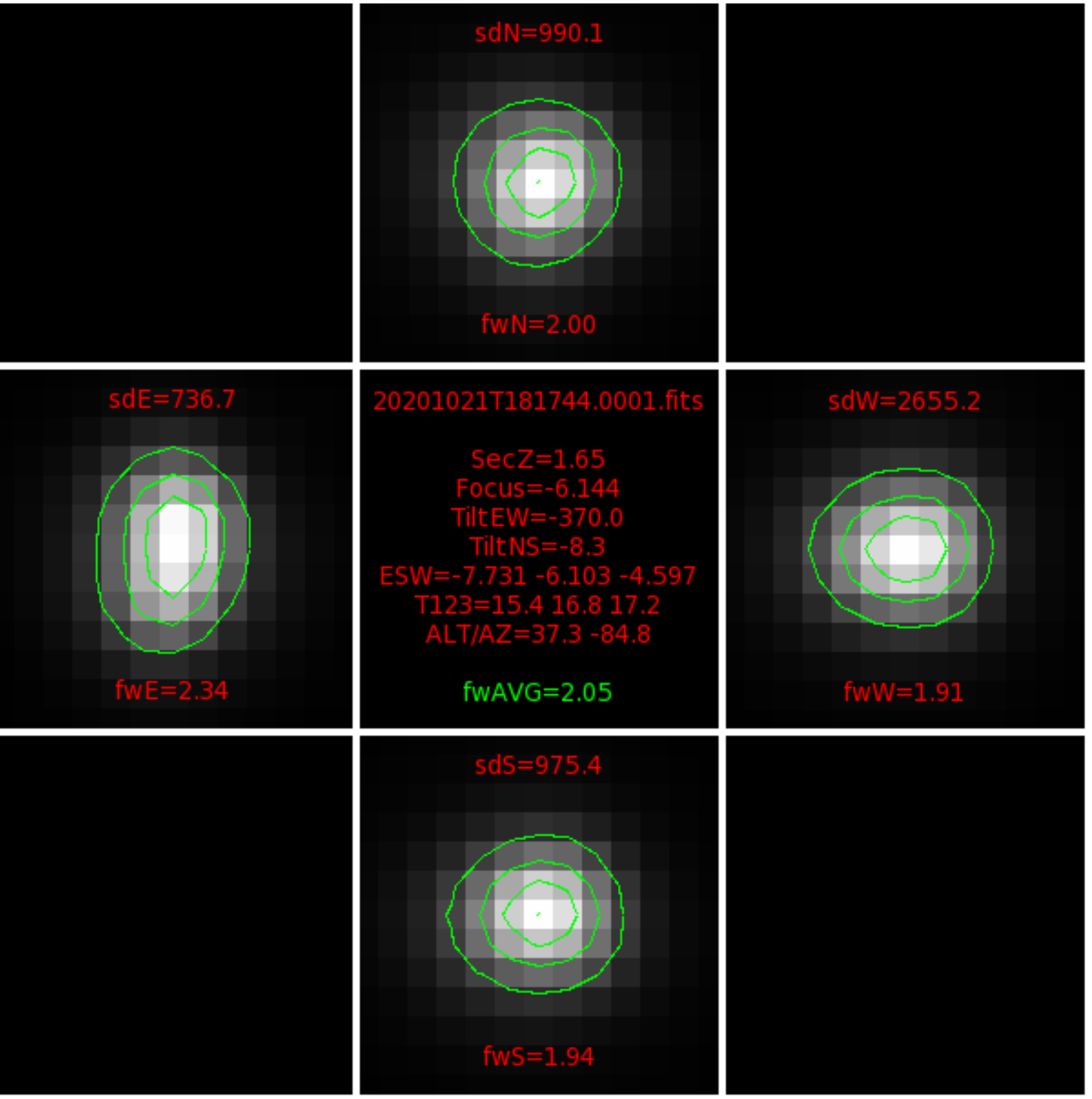
sdN=990.1
fwN=2.00
sdE=736.7
fwE=2.34
20201021T181744.0001.fits
SecZ=1.65
Focus=-6.144
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.731 -6.103 -4.597
T123=15.4 16.8 17.2
ALT/AZ=37.3 -84.8
fwAVG=2.05
sdW=2655.2
fwW=1.91
sdS=975.4
fwS=1.94
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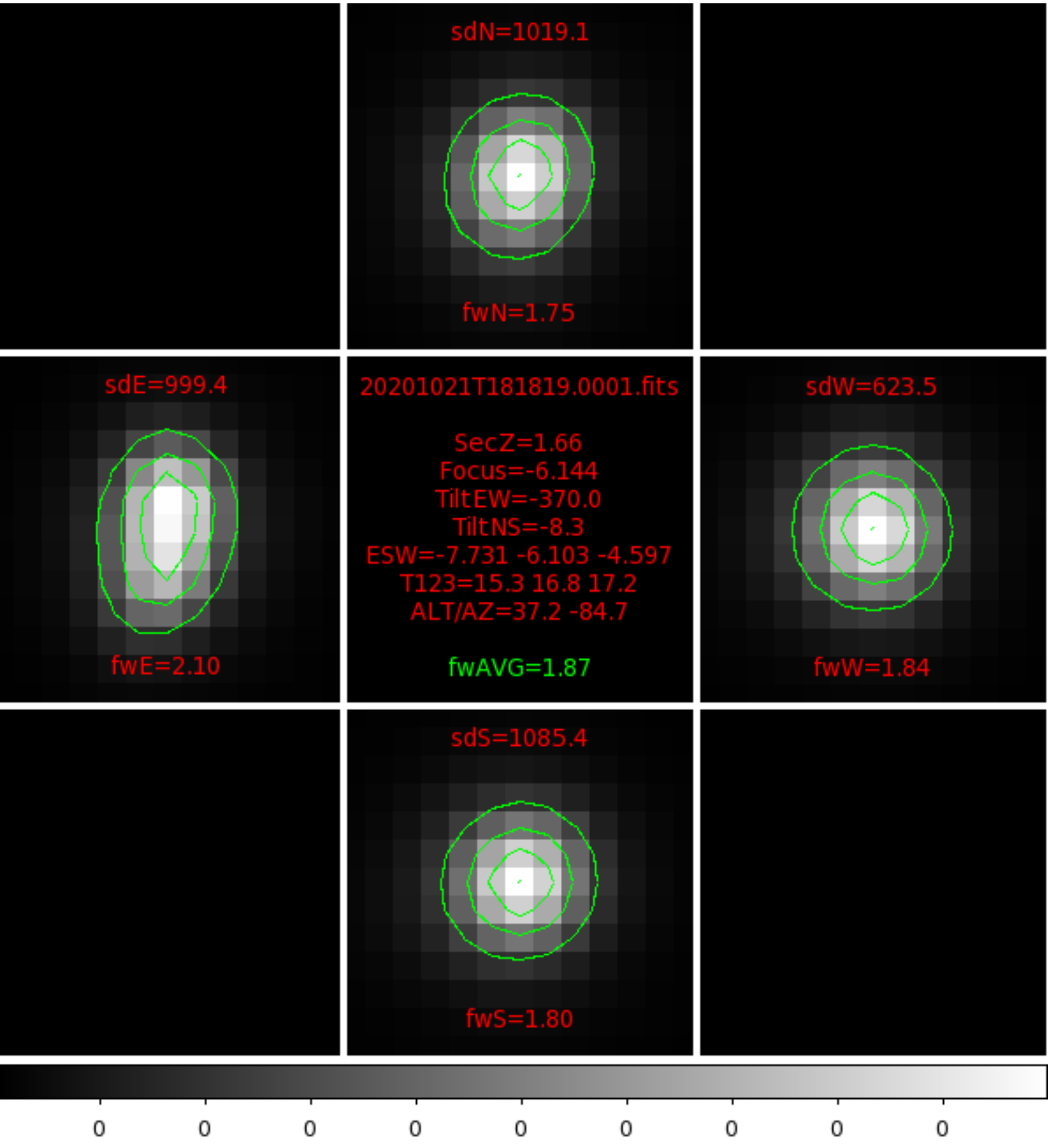
sdN=1019.1
fwN=1.75
sdE=999.4
fwE=2.10
20201021T181819.0001.fits
SecZ=1.66
Focus=-6.144
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.731 -6.103 -4.597
T123=15.3 16.8 17.2
ALT/AZ=37.2 -84.7
fwAVG=1.87
sdW=623.5
fwW=1.84
sdS=1085.4
fwS=1.80
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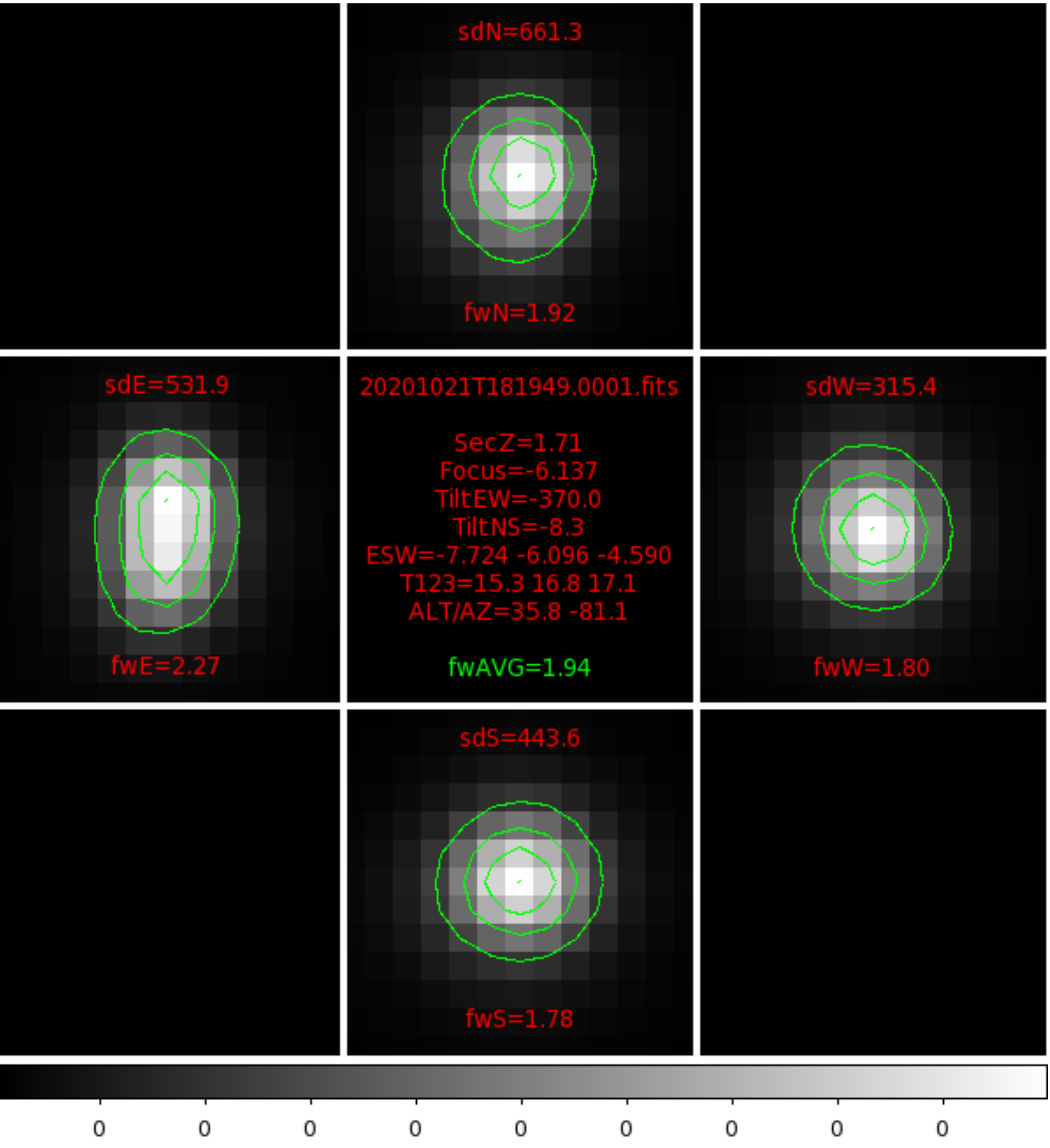
sdN=661.3
fwN=1.92
sdE=531.9
fwE=2.27
20201021T181949.0001.fits
SecZ=1.71
Focus=-6.137
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.724 -6.096 -4.590
T123=15.3 16.8 17.1
ALT/AZ=35.8 -81.1
fwAVG=1.94
sdW=315.4
fwW=1.80
sdS=443.6
fwS=1.78
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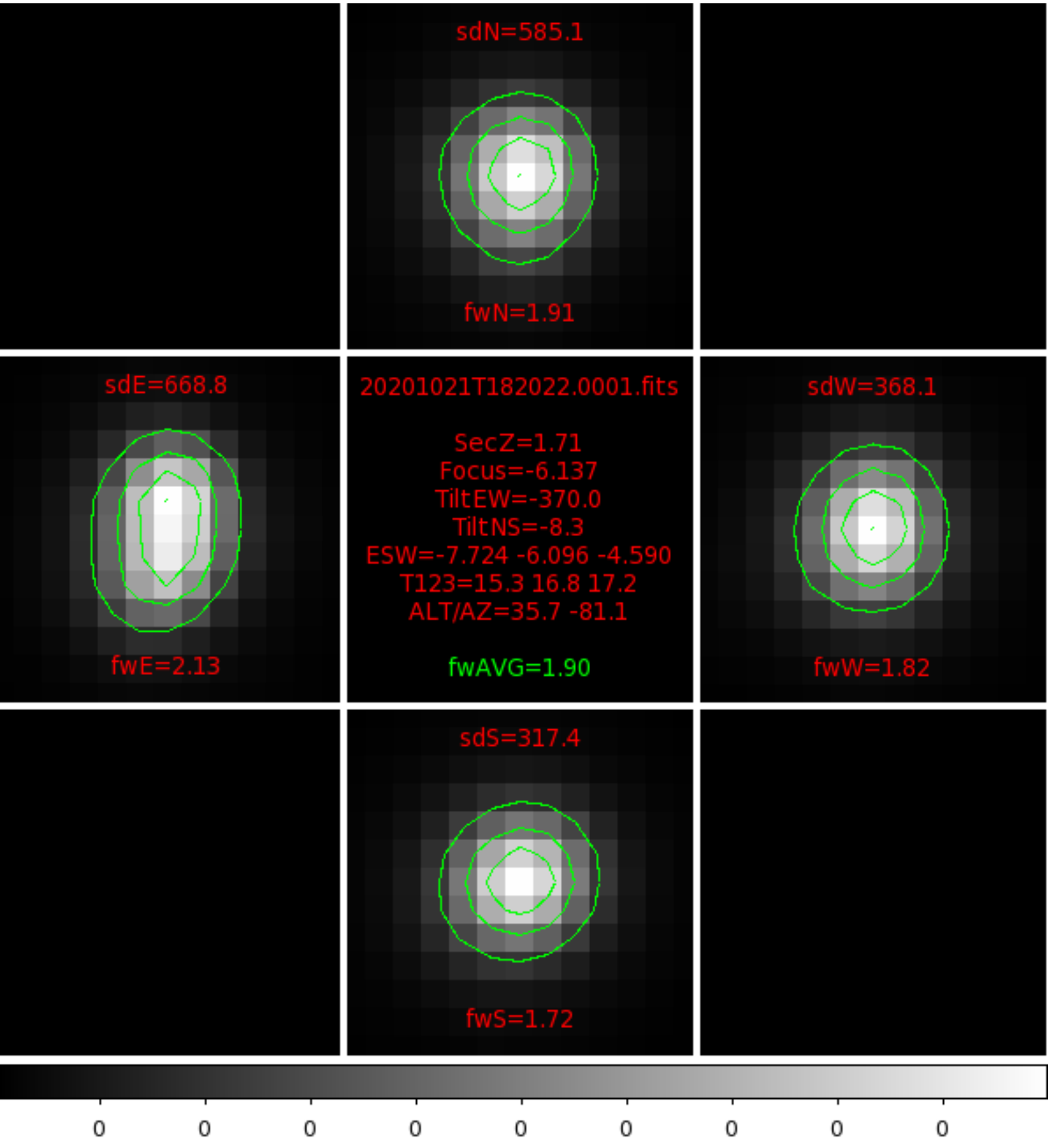
sdN=585.1
fwN=1.91
sdE=668.8
fwE=2.13
20201021T182022.0001.fits
SecZ=1.71
Focus=-6.137
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.724 -6.096 -4.590
T123=15.3 16.8 17.2
ALT/AZ=35.7 -81.1
fwAVG=1.90
sdW=368.1
fwW=1.82
sdS=317.4
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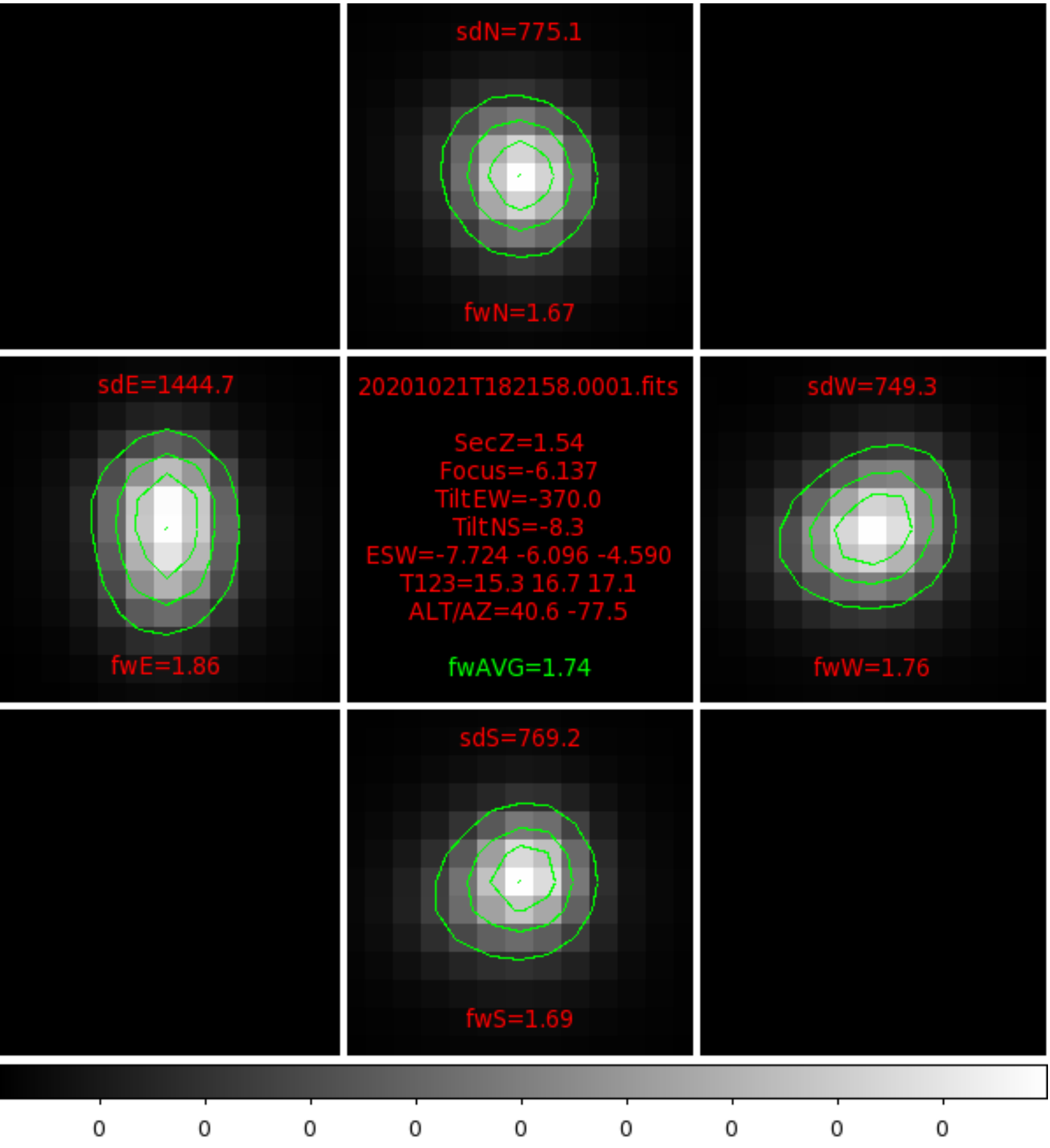
sdN=775.1
fwN=1.67
sdE=1444.7
fwE=1.86
20201021T182158.0001.fits
SecZ=1.54
Focus=-6.137
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.724 -6.096 -4.590
T123=15.3 16.7 17.1
ALT/AZ=40.6 -77.5
fwAVG=1.74
sdW=749.3
fwW=1.76
sdS=769.2
fwS=1.69
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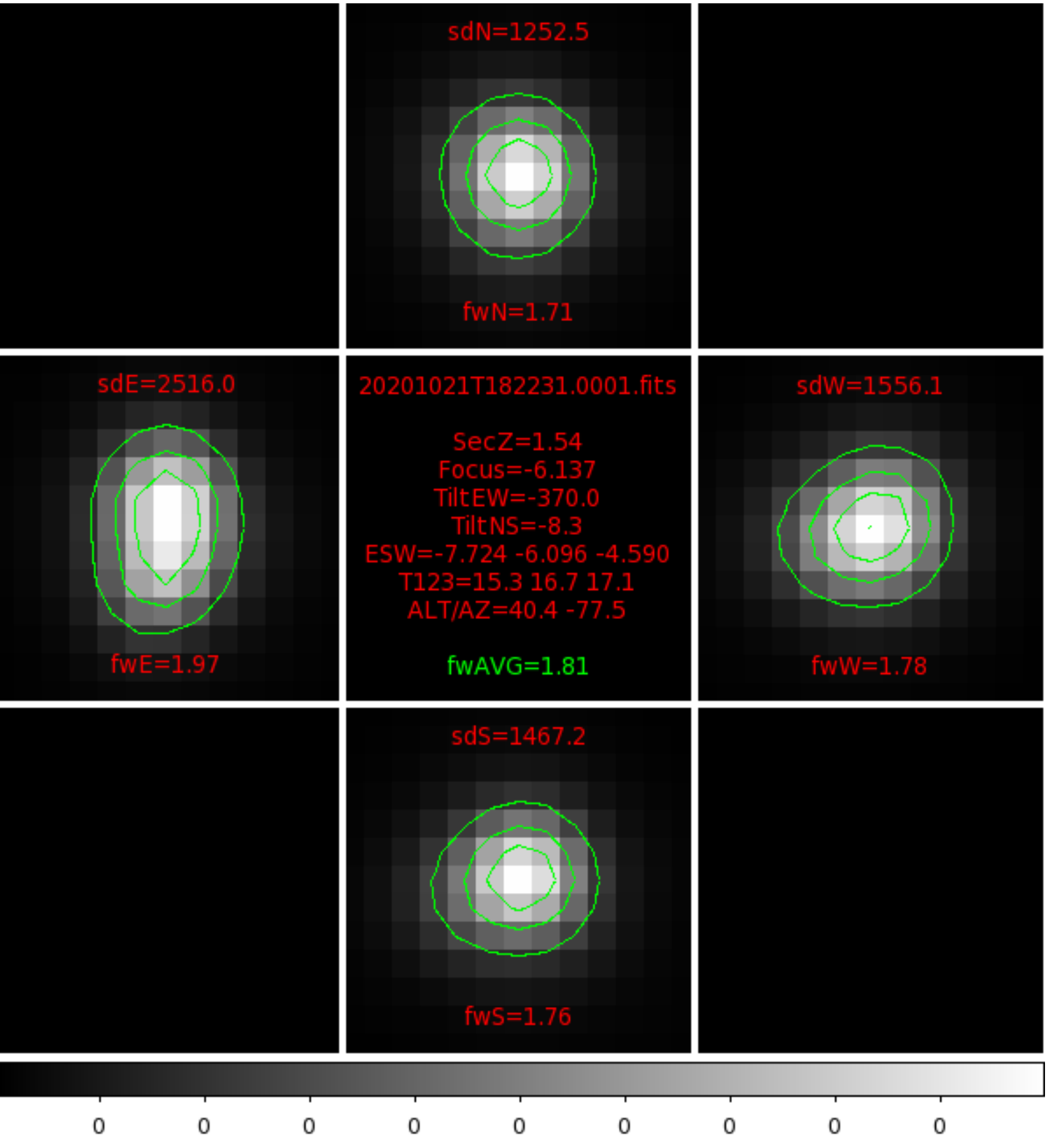
sdN=1252.5
fwN=1.71
sdE=2516.0
fwE=1.97
20201021T182231.0001.fits
SecZ=1.54
Focus=-6.137
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.724 -6.096 -4.590
T123=15.3 16.7 17.1
ALT/AZ=40.4 -77.5
fwAVG=1.81
sdW=1556.1
fwW=1.78
sdS=1467.2
fwS=1.76
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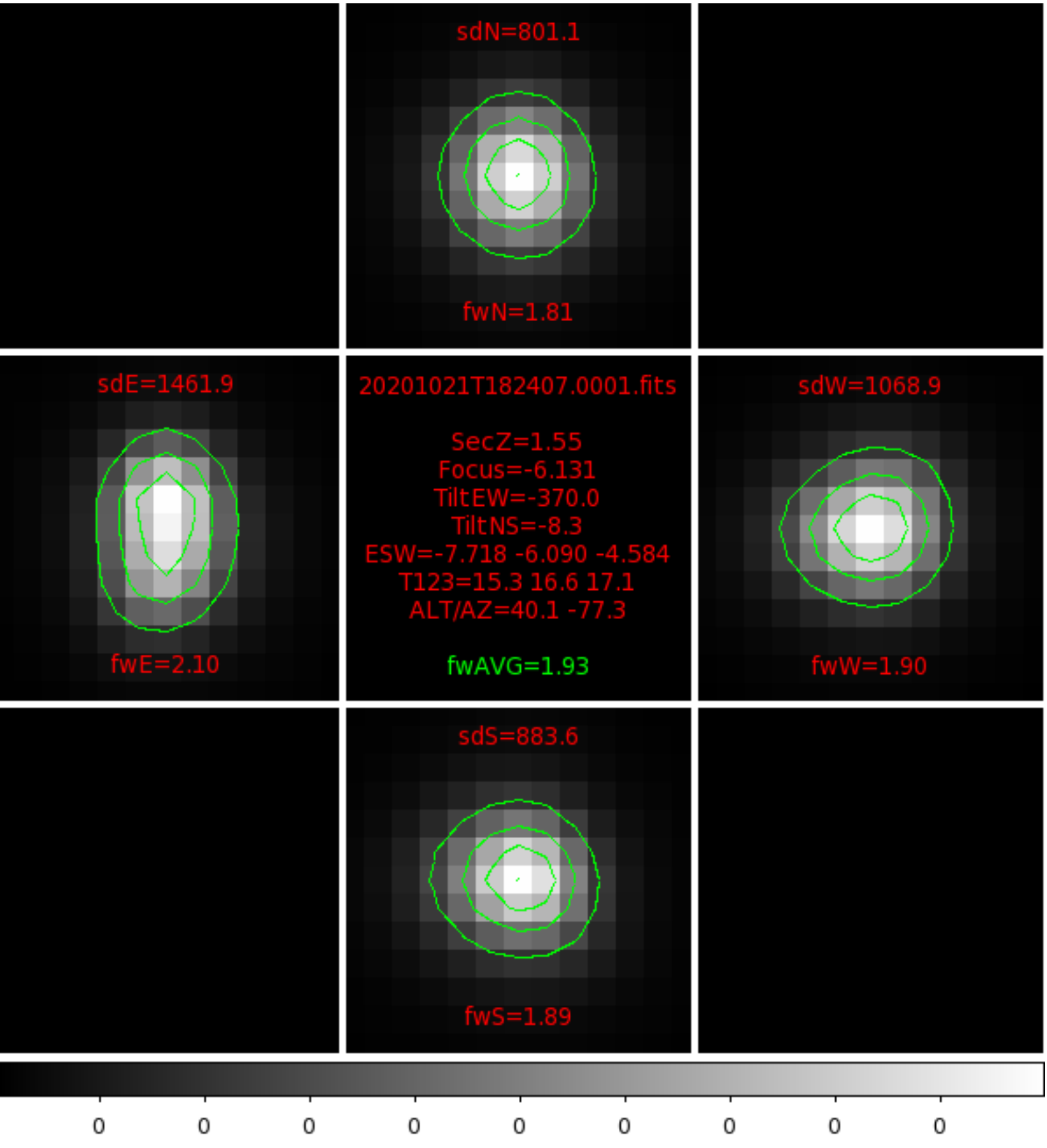
sdN=801.1
fwN=1.81
sdE=1461.9
fwE=2.10
20201021T182407.0001.fits
SecZ=1.55
Focus=-6.131
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.718 -6.090 -4.584
T123=15.3 16.6 17.1
ALT/AZ=40.1 -77.3
fwAVG=1.93
sdW=1068.9
fwW=1.90
sdS=883.6
fwS=1.89
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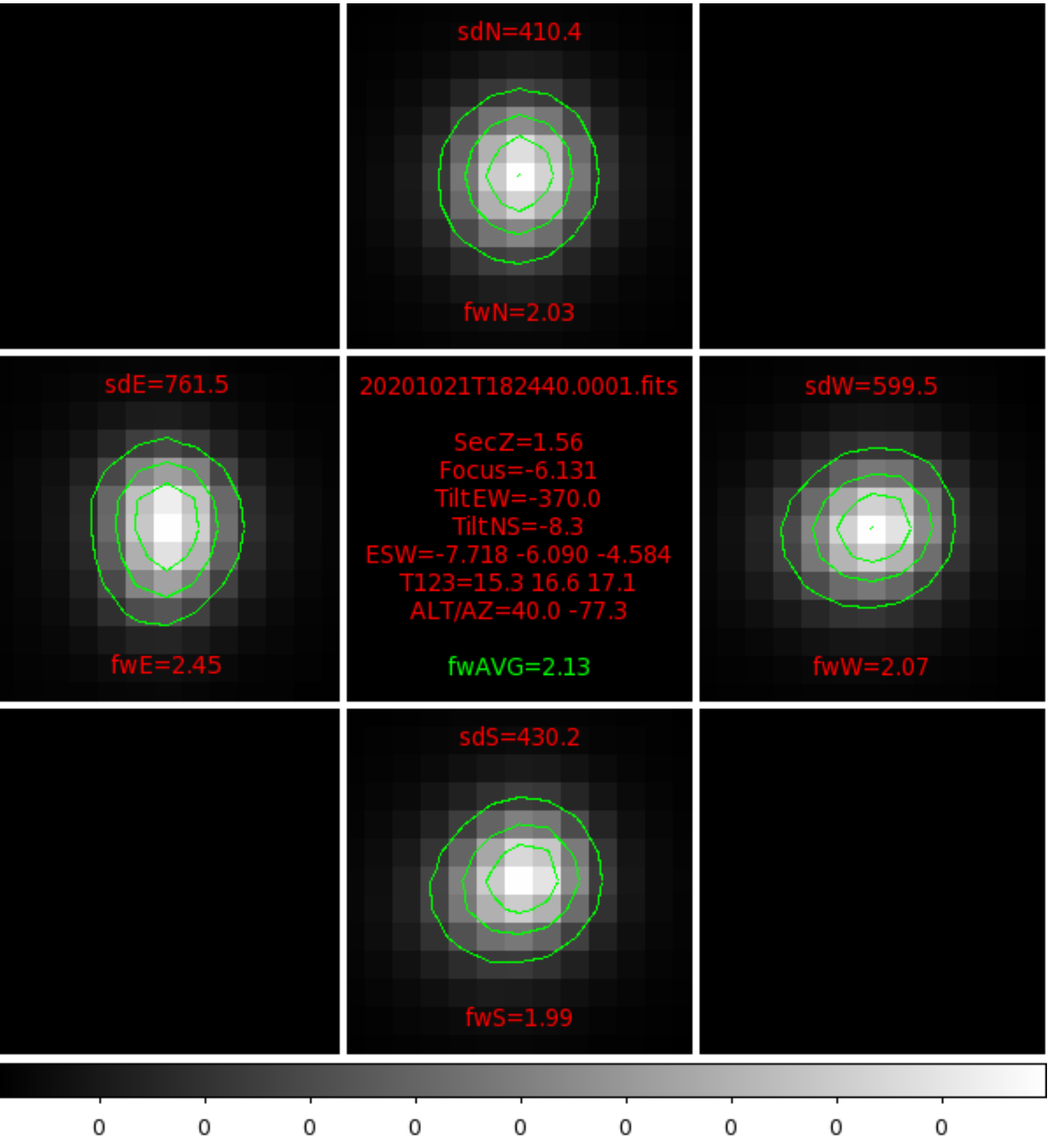
sdN=410.4
fwN=2.03
sdE=761.5
fwE=2.45
20201021T182440.0001.fits
SecZ=1.56
Focus=-6.131
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.718 -6.090 -4.584
T123=15.3 16.6 17.1
ALT/AZ=40.0 -77.3
fwAVG=2.13
sdW=599.5
fwW=2.07
sdS=430.2
fwS=1.99
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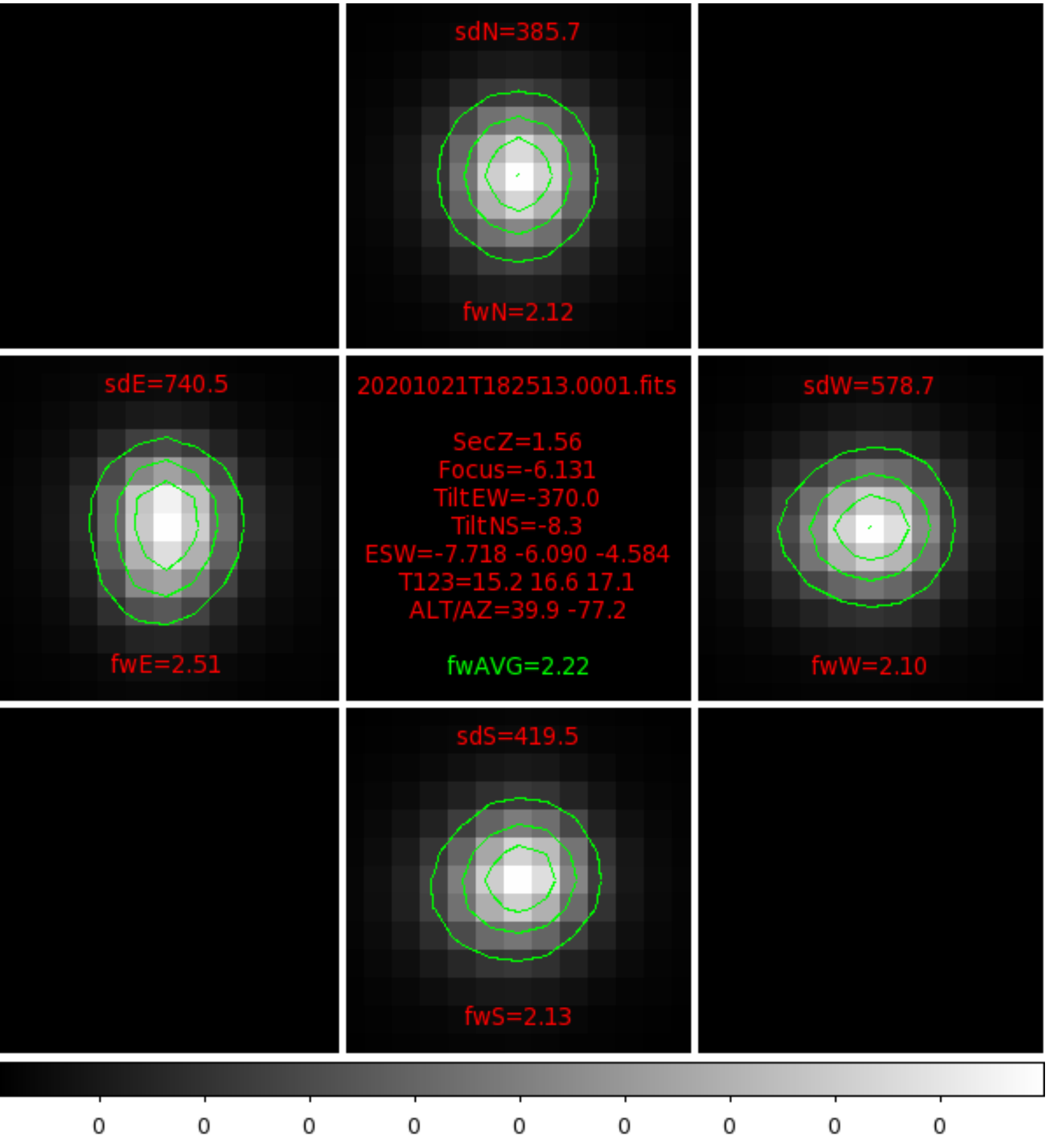
sdN=385.7
fwN=2.12
sdE=740.5
fwE=2.51
20201021T182513.0001.fits
SecZ=1.56
Focus=-6.131
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.718 -6.090 -4.584
T123=15.2 16.6 17.1
ALT/AZ=39.9 -77.2
fwAVG=2.22
sdW=578.7
fwW=2.10
sdS=419.5
fwS=2.13
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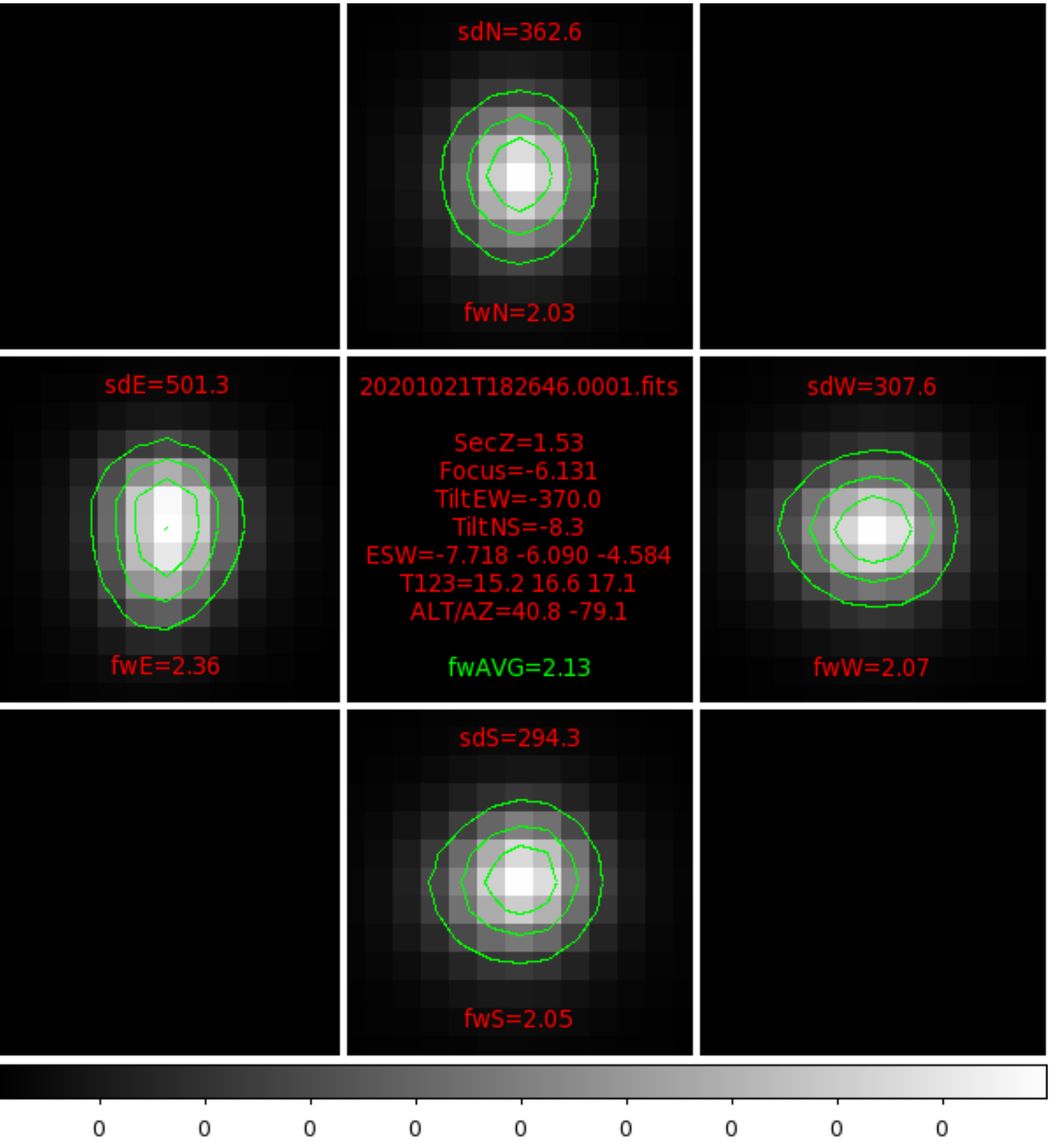
sdN=362.6
fwN=2.03
sdE=501.3
fwE=2.36
20201021T182646.0001.fits
SecZ=1.53
Focus=-6.131
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.718 -6.090 -4.584
T123=15.2 16.6 17.1
ALT/AZ=40.8 -79.1
fwAVG=2.13
sdW=307.6
fwW=2.07
sdS=294.3
fwS=2.05
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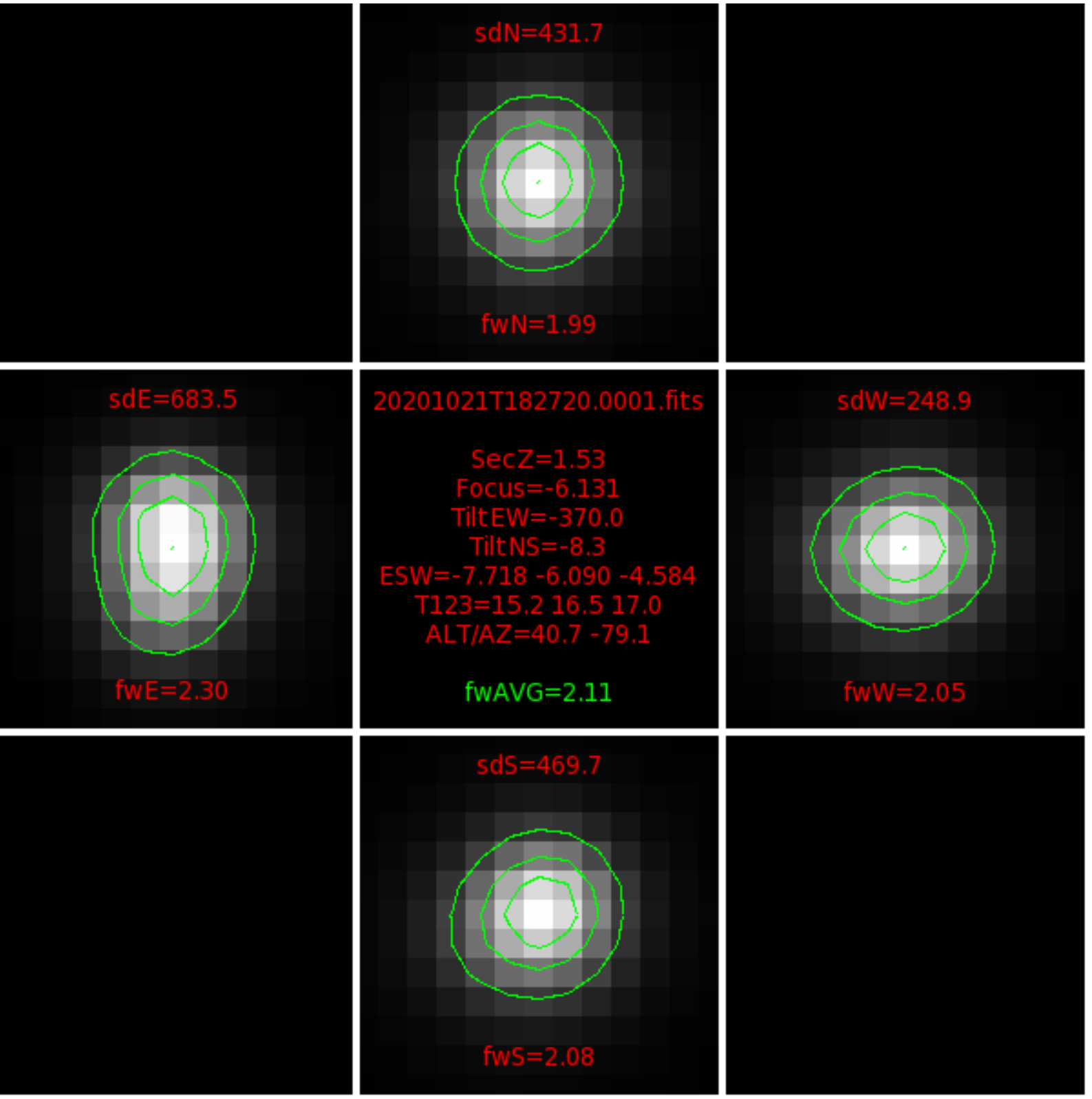
sdN=431.7
fwN=1.99
sdE=683.5
fwE=2.30
20201021T182720.0001.fits
SecZ=1.53
Focus=-6.131
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.718 -6.090 -4.584
T123=15.2 16.5 17.0
ALT/AZ=40.7 -79.1
fwAVG=2.11
sdW=248.9
fwW=2.05
sdS=469.7
fwS=2.08
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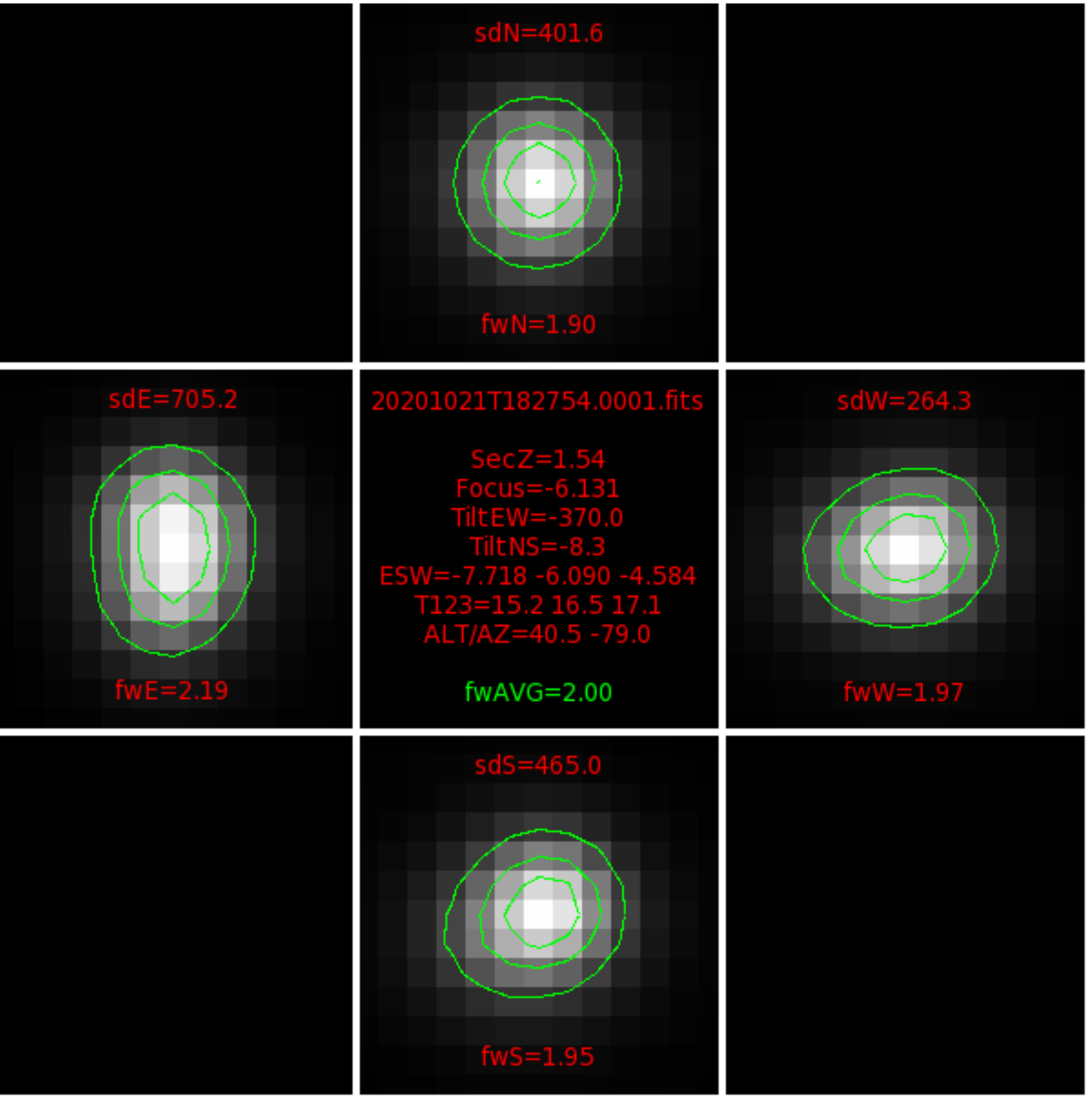
sdN=401.6
fwN=1.90
sdE=705.2
fwE=2.19
20201021T182754.0001.fits
SecZ=1.54
Focus=-6.131
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.718 -6.090 -4.584
T123=15.2 16.5 17.1
ALT/AZ=40.5 -79.0
fwAVG=2.00
sdW=264.3
fwW=1.97
sdS=465.0
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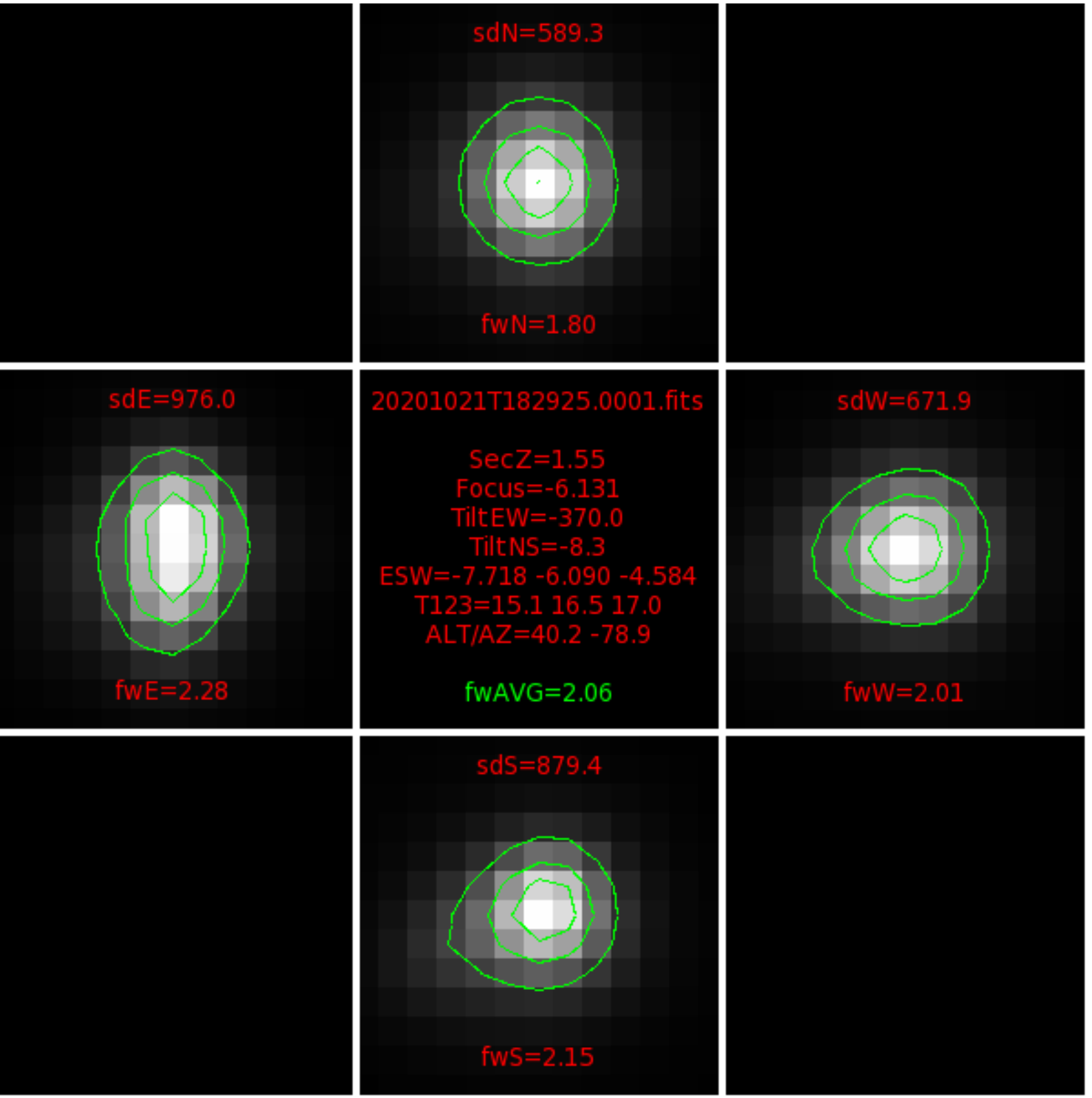
sdN=589.3
fwN=1.80
sdE=976.0
fwE=2.28
20201021T182925.0001.fits
SecZ=1.55
Focus=-6.131
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.718 -6.090 -4.584
T123=15.1 16.5 17.0
ALT/AZ=40.2 -78.9
fwAVG=2.06
sdW=671.9
fwW=2.01
sdS=879.4
fwS=2.15
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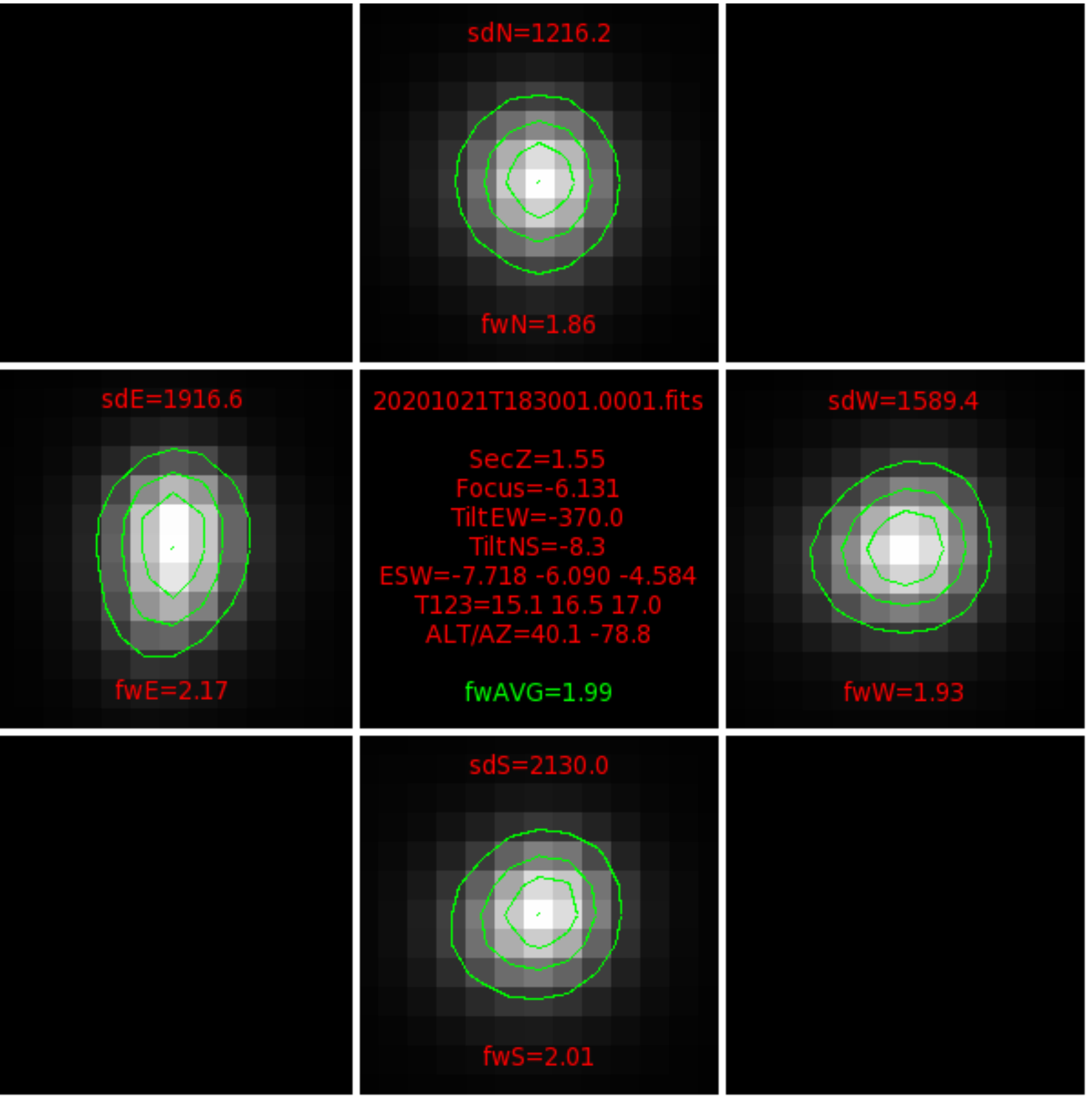
sdN=1216.2
fwN=1.86
sdE=1916.6
fwE=2.17
20201021T183001.0001.fits
SecZ=1.55
Focus=-6.131
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.718 -6.090 -4.584
T123=15.1 16.5 17.0
ALT/AZ=40.1 -78.8
fwAVG=1.99
sdW=1589.4
fwW=1.93
sdS=2130.0
fwS=2.01
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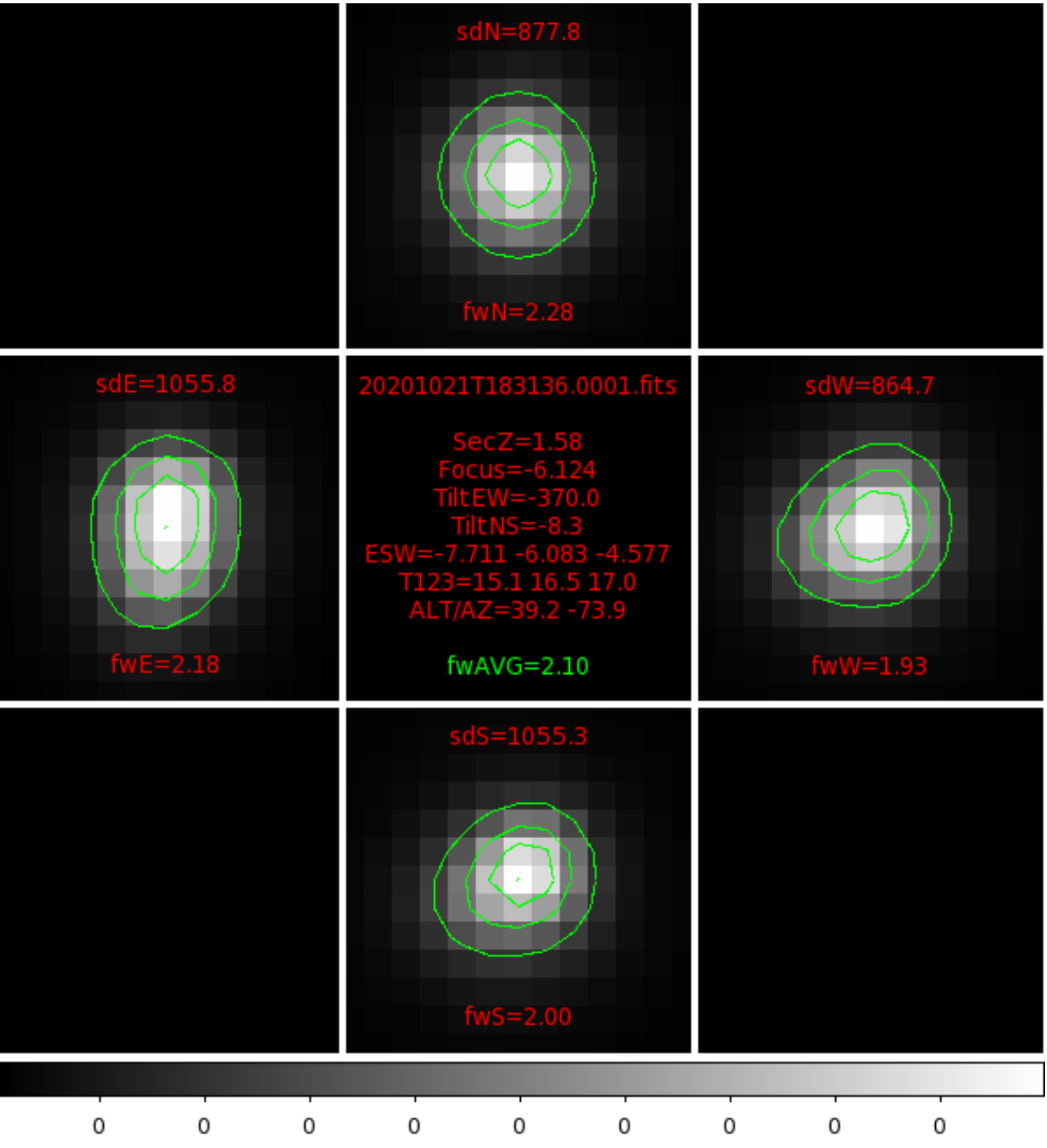
sdN=877.8
fwN=2.28
sdE=1055.8
fwE=2.18
20201021T183136.0001.fits
SecZ=1.58
Focus=-6.124
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.711 -6.083 -4.577
T123=15.1 16.5 17.0
ALT/AZ=39.2 -73.9
fwAVG=2.10
sdW=864.7
fwW=1.93
sdS=1055.3
fwS=2.00
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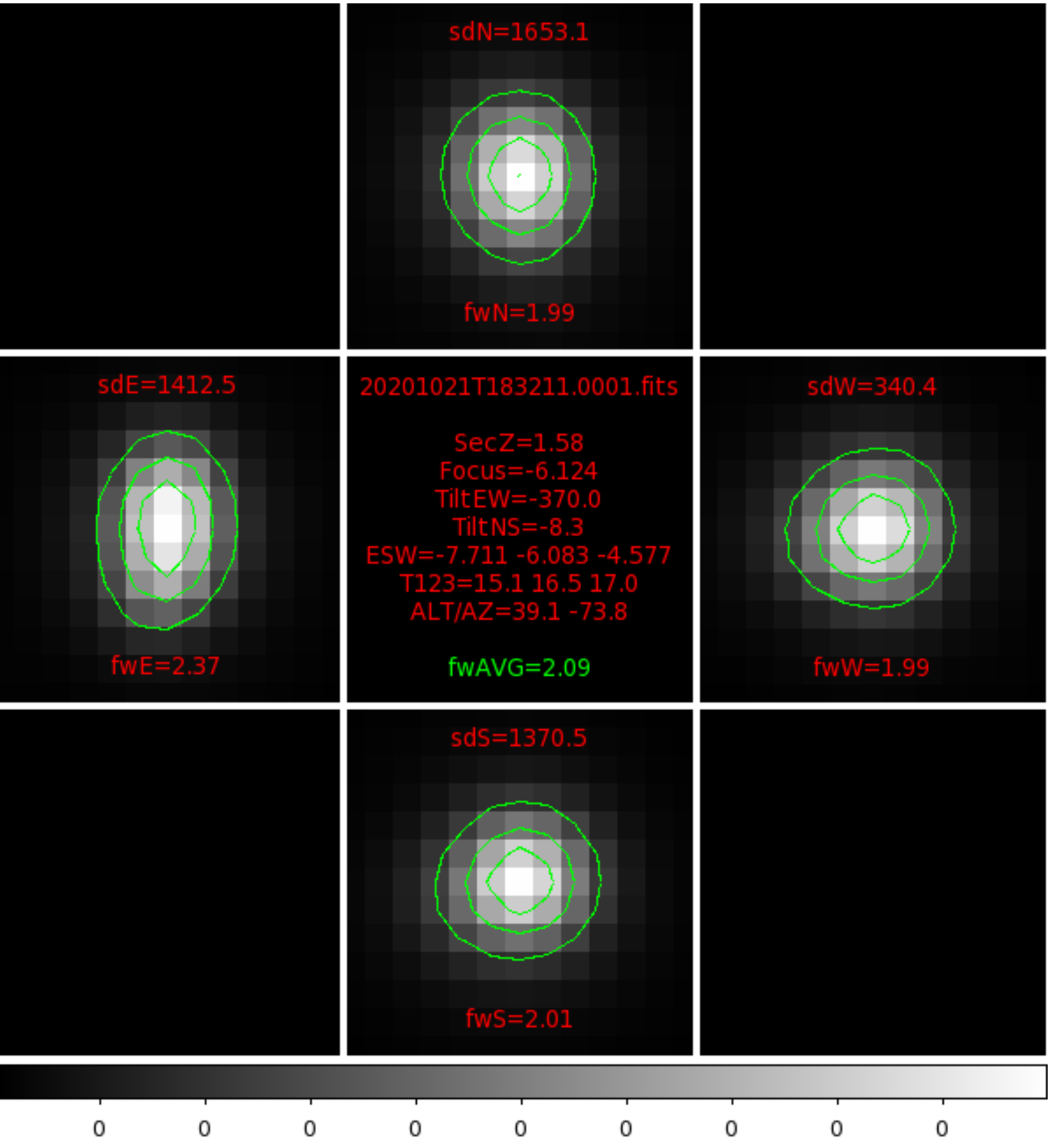
sdN=1653.1
fwN=1.99
sdE=1412.5
fwE=2.37
20201021T183211.0001.fits
SecZ=1.58
Focus=-6.124
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.711 -6.083 -4.577
T123=15.1 16.5 17.0
ALT/AZ=39.1 -73.8
fwAVG=2.09
sdW=340.4
fwW=1.99
sdS=1370.5
fwS=2.01
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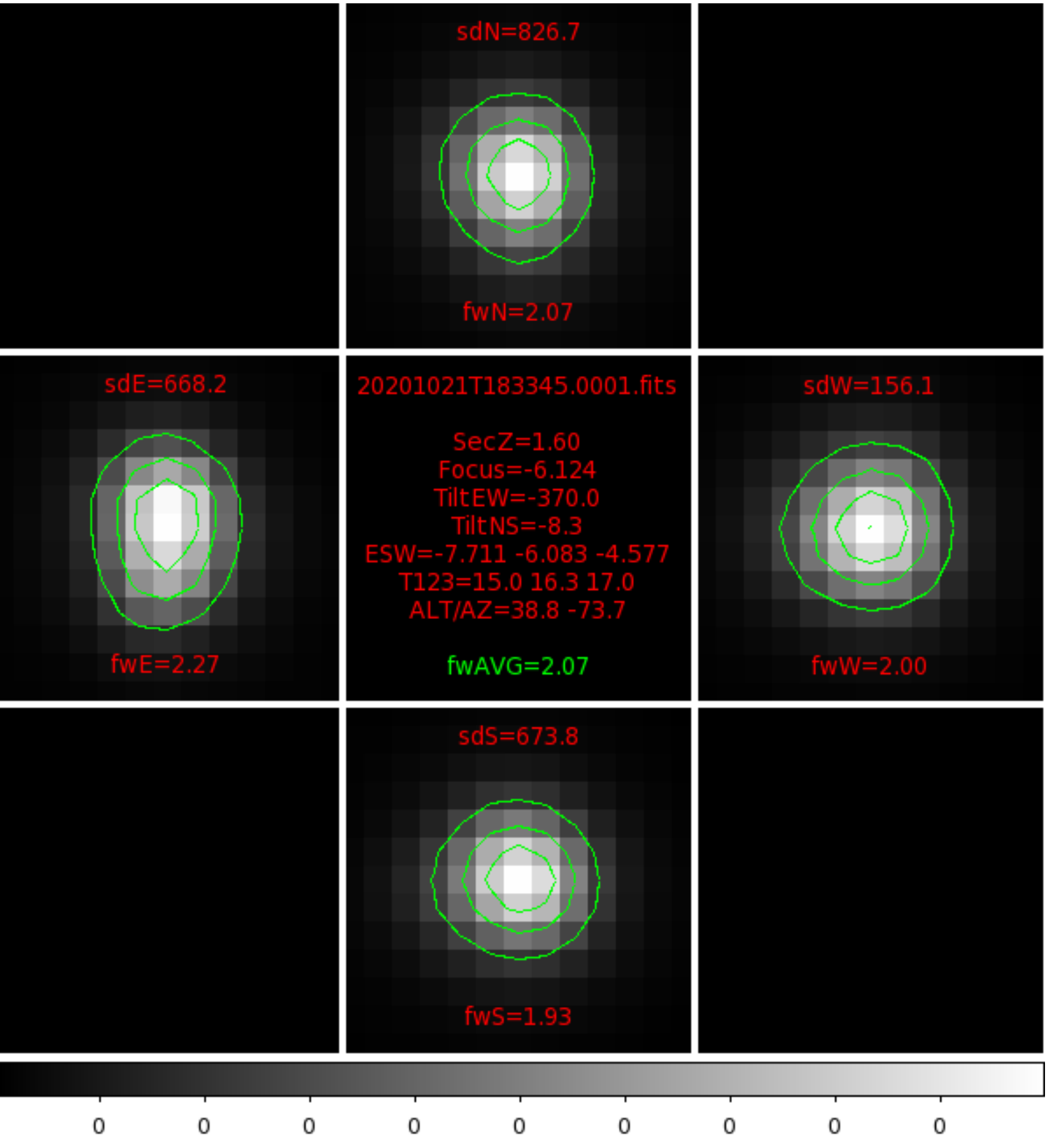
sdN=826.7
fwN=2.07
sdE=668.2
fwE=2.27
20201021T183345.0001.fits
SecZ=1.60
Focus=-6.124
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.711 -6.083 -4.577
T123=15.0 16.3 17.0
ALT/AZ=38.8 -73.7
fwAVG=2.07
sdW=156.1
fwW=2.00
sdS=673.8
fwS=1.93
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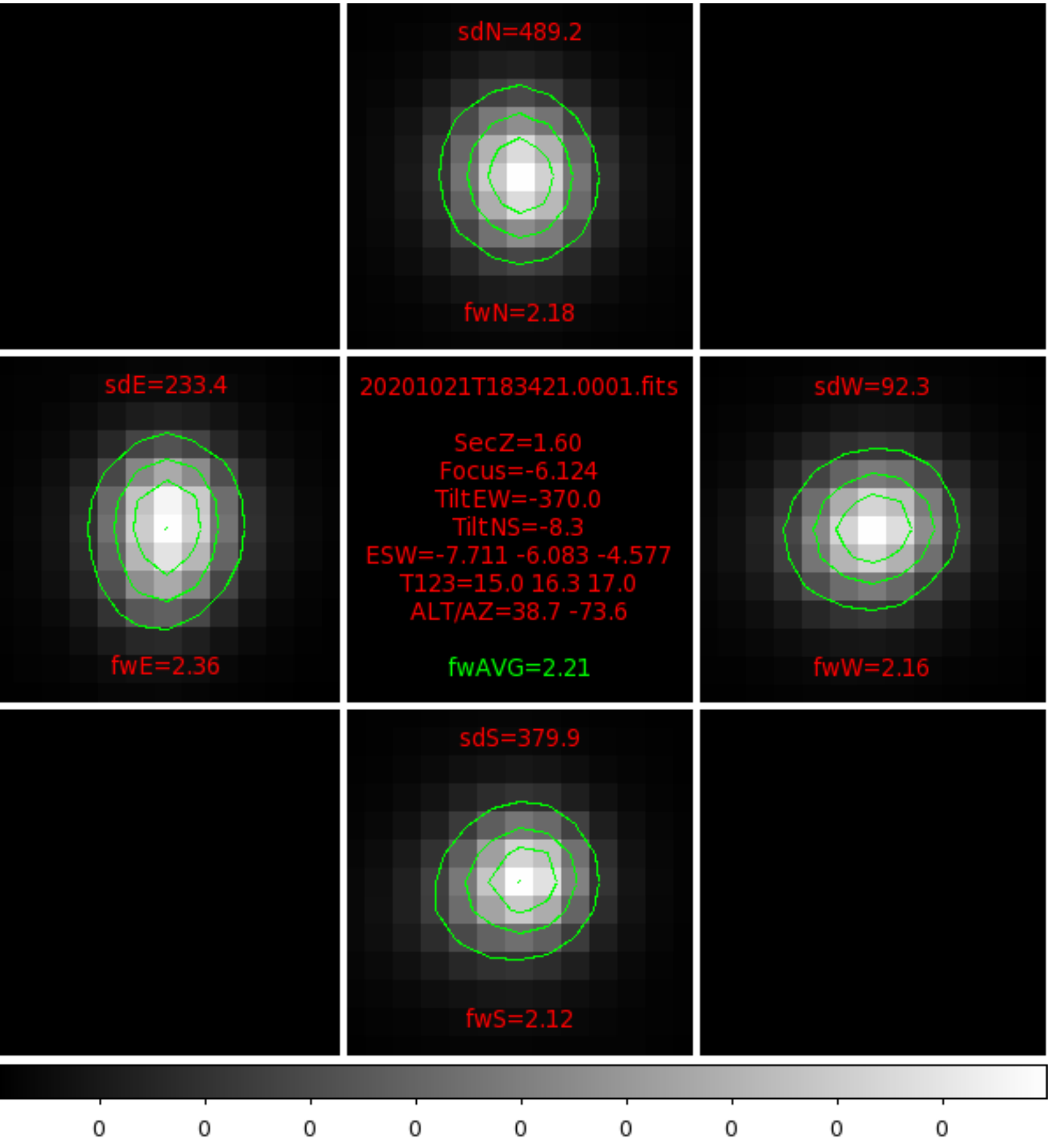
sdN=489.2
fwN=2.18
sdE=233.4
fwE=2.36
20201021T183421.0001.fits
SecZ=1.60
Focus=-6.124
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.711 -6.083 -4.577
T123=15.0 16.3 17.0
ALT/AZ=38.7 -73.6
fwAVG=2.21
sdW=92.3
fwW=2.16
sdS=379.9
fwS=2.12
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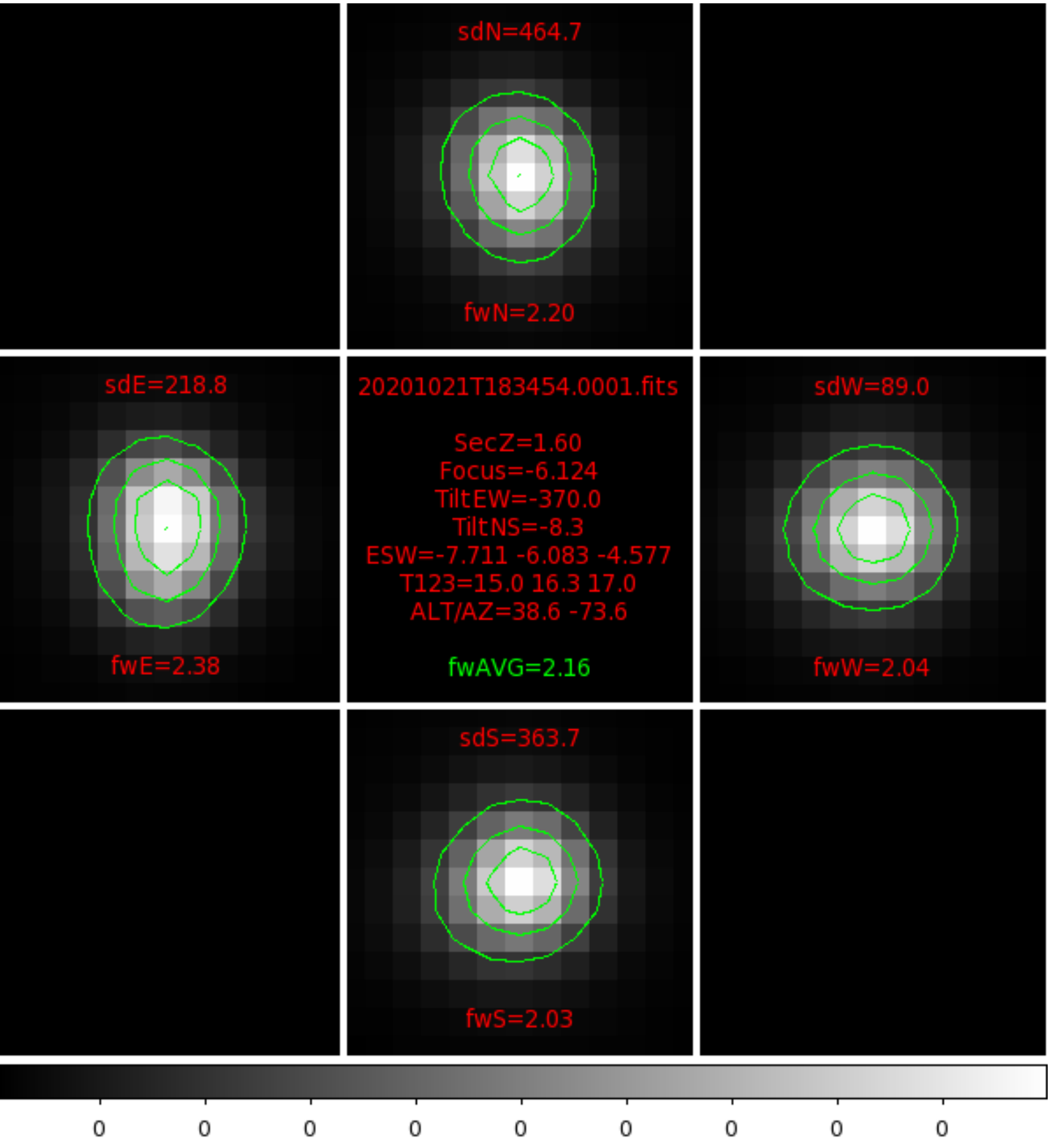
sdN=464.7
fwN=2.20
sdE=218.8
fwE=2.38
20201021T183454.0001.fits
SecZ=1.60
Focus=-6.124
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.711 -6.083 -4.577
T123=15.0 16.3 17.0
ALT/AZ=38.6 -73.6
fwAVG=2.16
sdW=89.0
fwW=2.04
sdS=363.7
fwS=2.03
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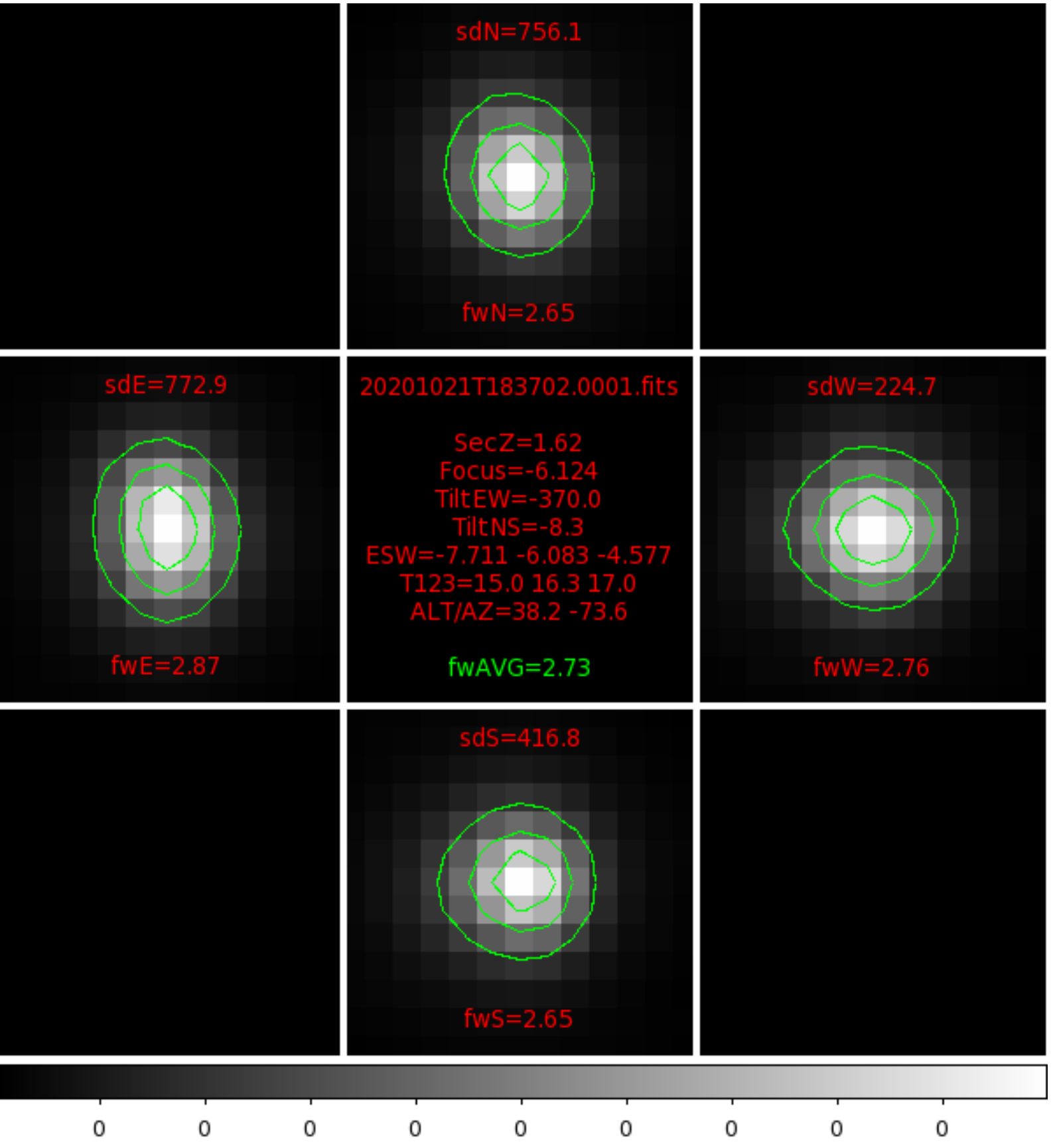
sdN=756.1
fwN=2.65
sdE=772.9
fwE=2.87
20201021T183702.0001.fits
SecZ=1.62
Focus=-6.124
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.711 -6.083 -4.577
T123=15.0 16.3 17.0
ALT/AZ=38.2 -73.6
fwAVG=2.73
sdW=224.7
fwW=2.76
sdS=416.8
fwS=2.65
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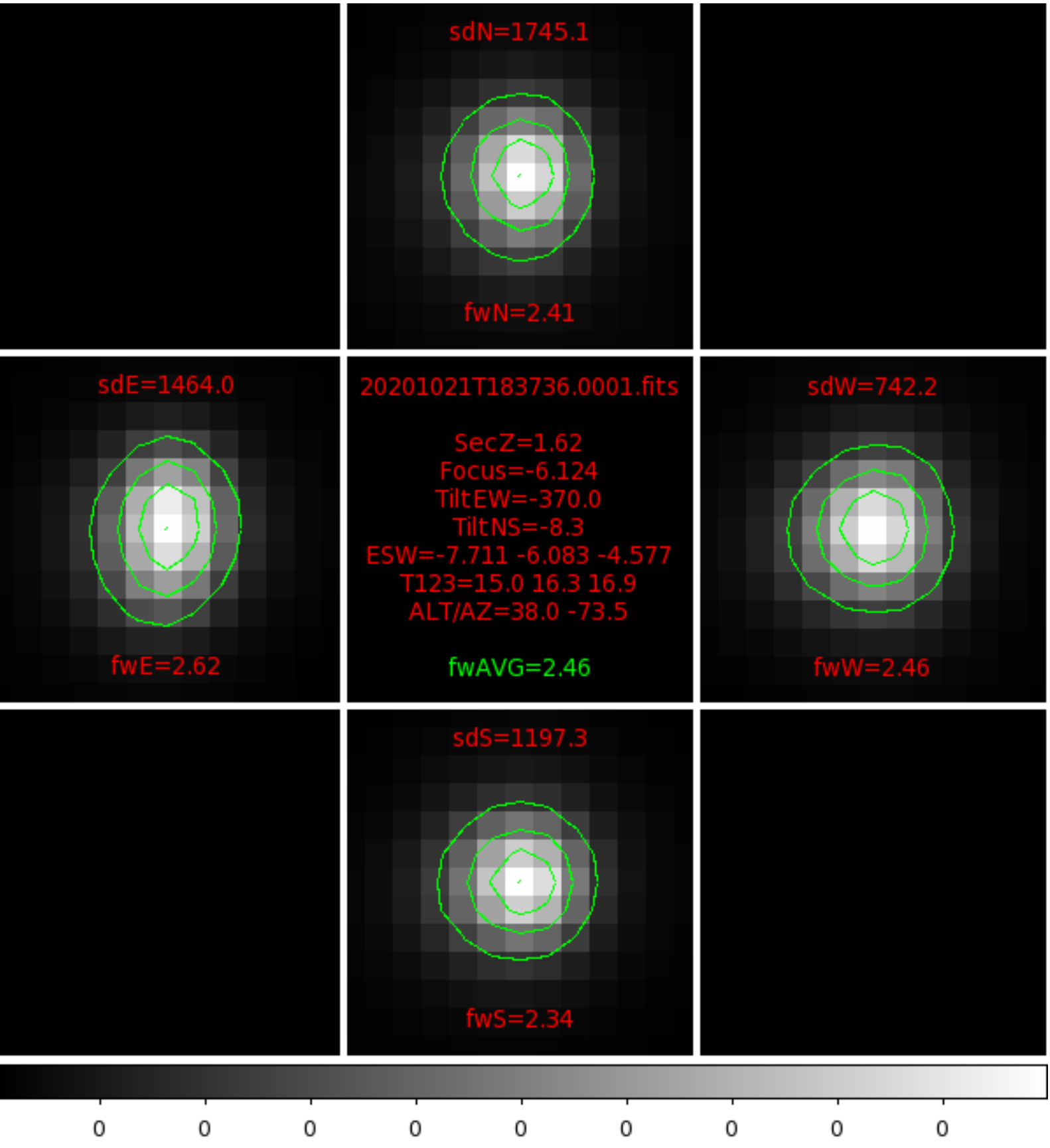
sdN=1745.1
fwN=2.41
sdE=1464.0
fwE=2.62
20201021T183736.0001.fits
SecZ=1.62
Focus=-6.124
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.711 -6.083 -4.577
T123=15.0 16.3 16.9
ALT/AZ=38.0 -73.5
fwAVG=2.46
sdW=742.2
fwW=2.46
sdS=1197.3
fwS=2.34
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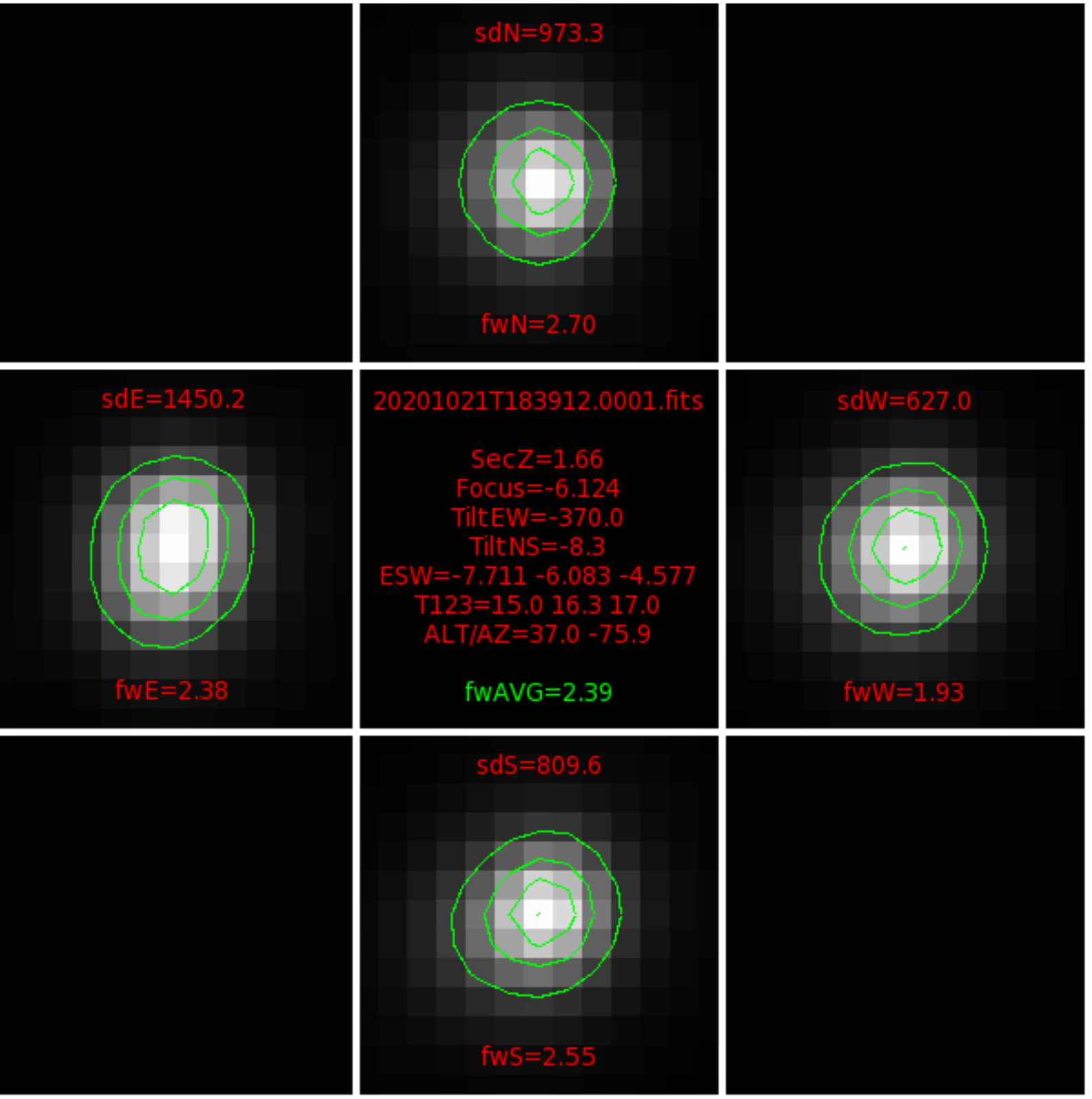
sdN=973.3
fwN=2.70
sdE=1450.2
fwE=2.38
20201021T183912.0001.fits
SecZ=1.66
Focus=-6.124
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.711 -6.083 -4.577
T123=15.0 16.3 17.0
ALT/AZ=37.0 -75.9
fwAVG=2.39
sdW=627.0
fwW=1.93
sdS=809.6
fwS=2.55
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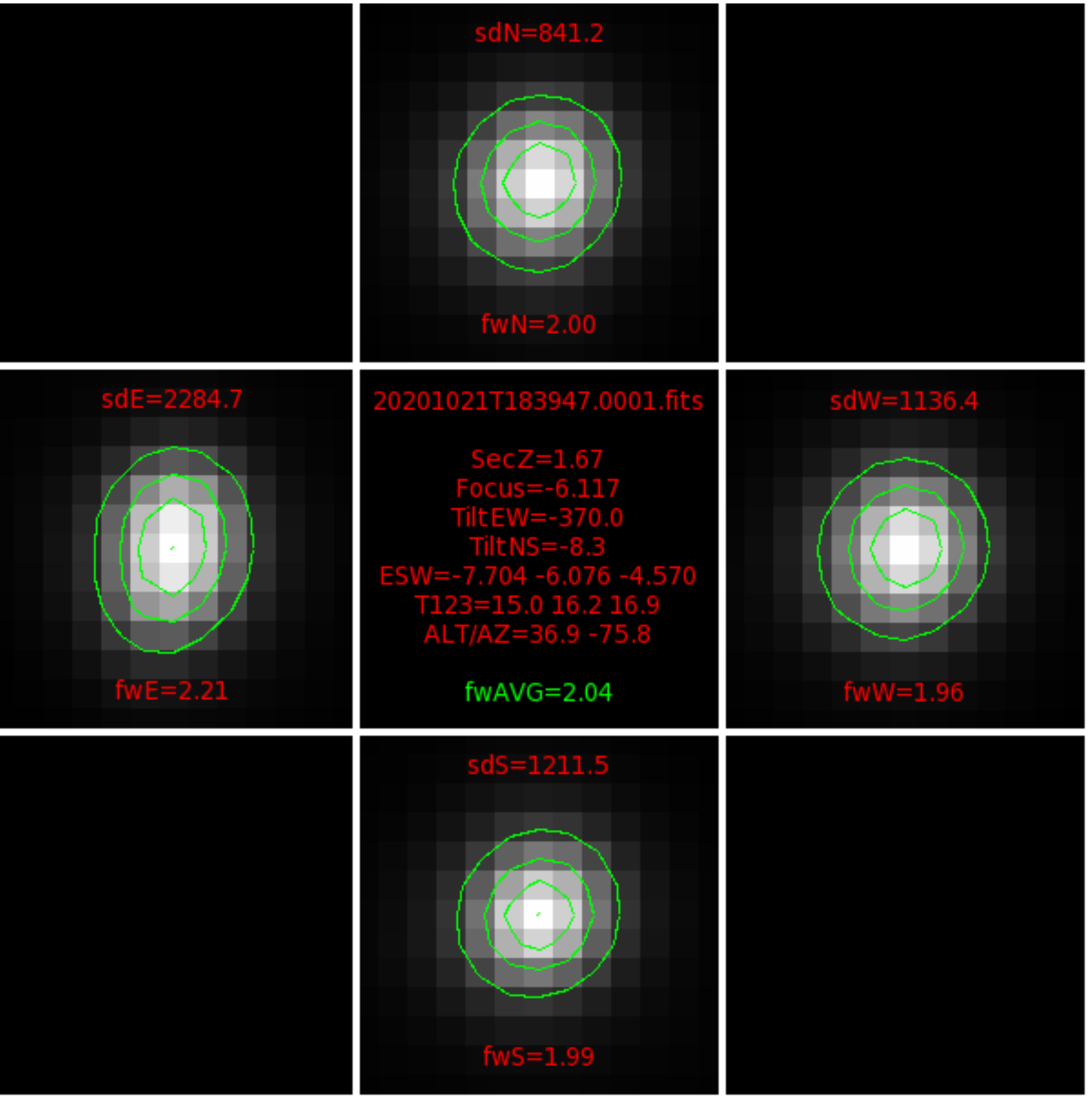
sdN=841.2
fwN=2.00
sdE=2284.7
fwE=2.21
20201021T183947.0001.fits
SecZ=1.67
Focus=-6.117
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.704 -6.076 -4.570
T123=15.0 16.2 16.9
ALT/AZ=36.9 -75.8
fwAVG=2.04
sdW=1136.4
fwW=1.96
sdS=1211.5
fwS=1.99
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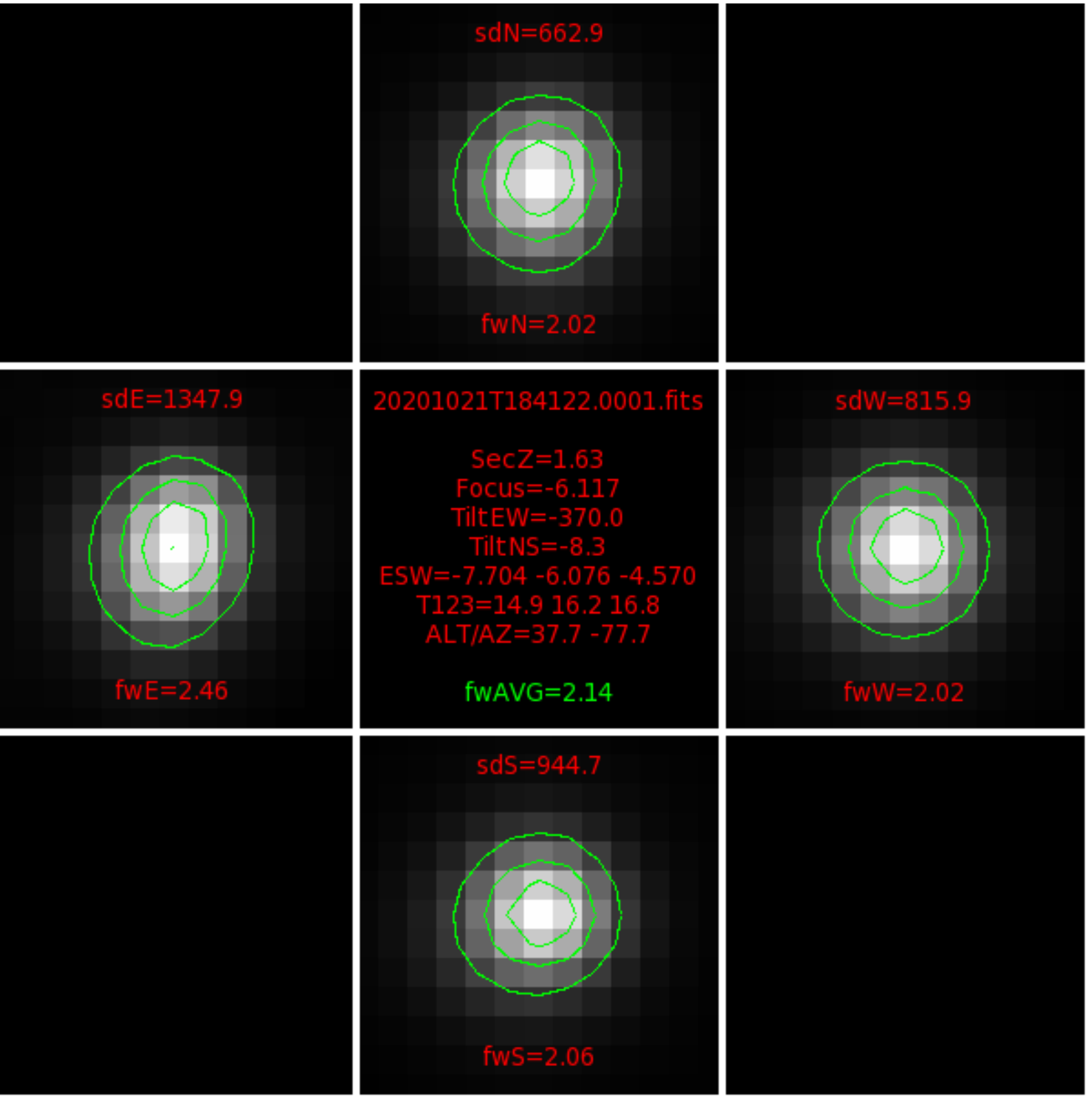
sdN=662.9
fwN=2.02
sdE=1347.9
fwE=2.46
20201021T184122.0001.fits
SecZ=1.63
Focus=-6.117
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.704 -6.076 -4.570
T123=14.9 16.2 16.8
ALT/AZ=37.7 -77.7
fwAVG=2.14
sdW=815.9
fwW=2.02
sdS=944.7
fwS=2.06
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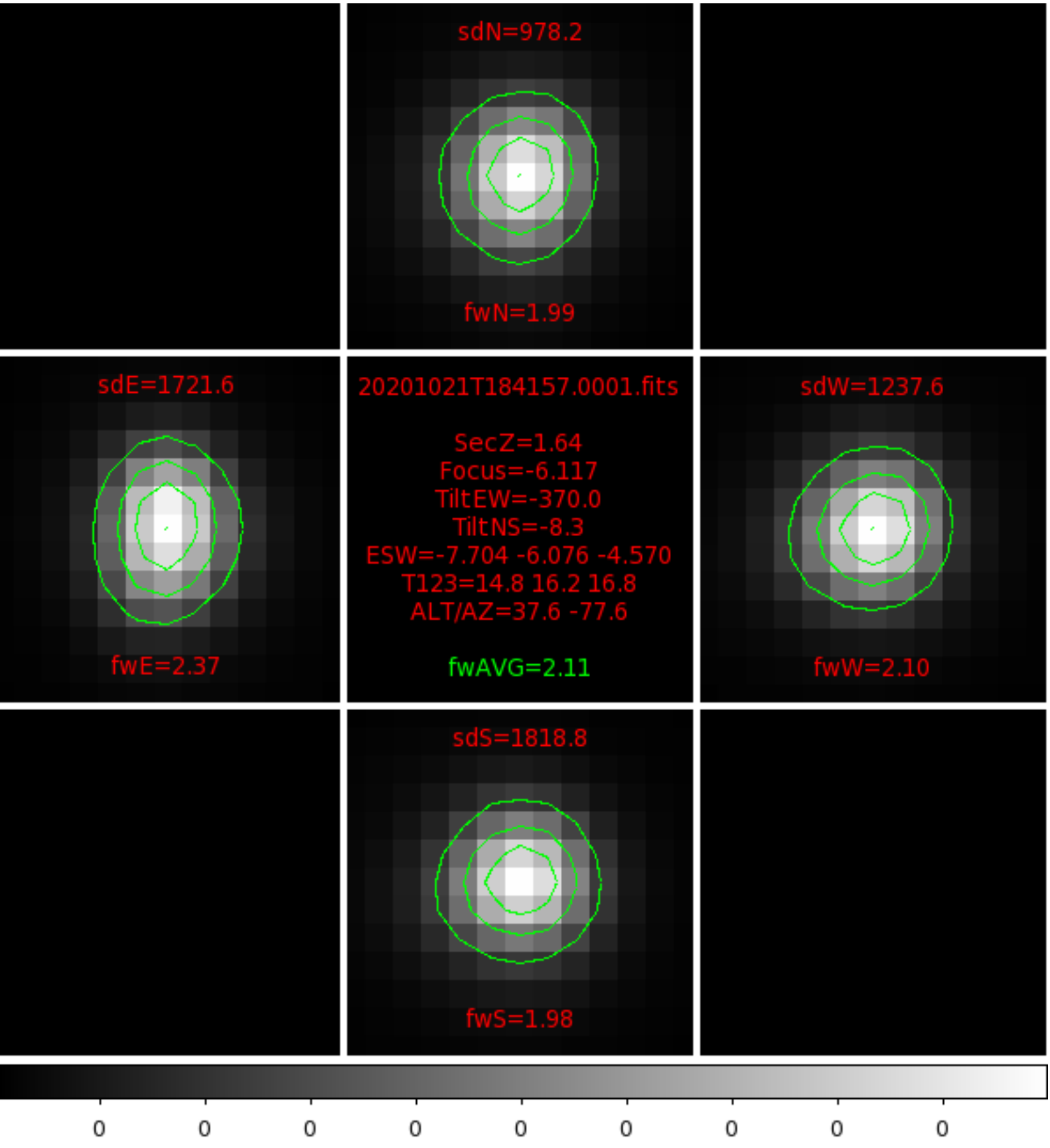
sdN=978.2
fwN=1.99
sdE=1721.6
fwE=2.37
20201021T184157.0001.fits
SecZ=1.64
Focus=-6.117
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.704 -6.076 -4.570
T123=14.8 16.2 16.8
ALT/AZ=37.6 -77.6
fwAVG=2.11
sdW=1237.6
fwW=2.10
sdS=1818.8
fwS=1.98
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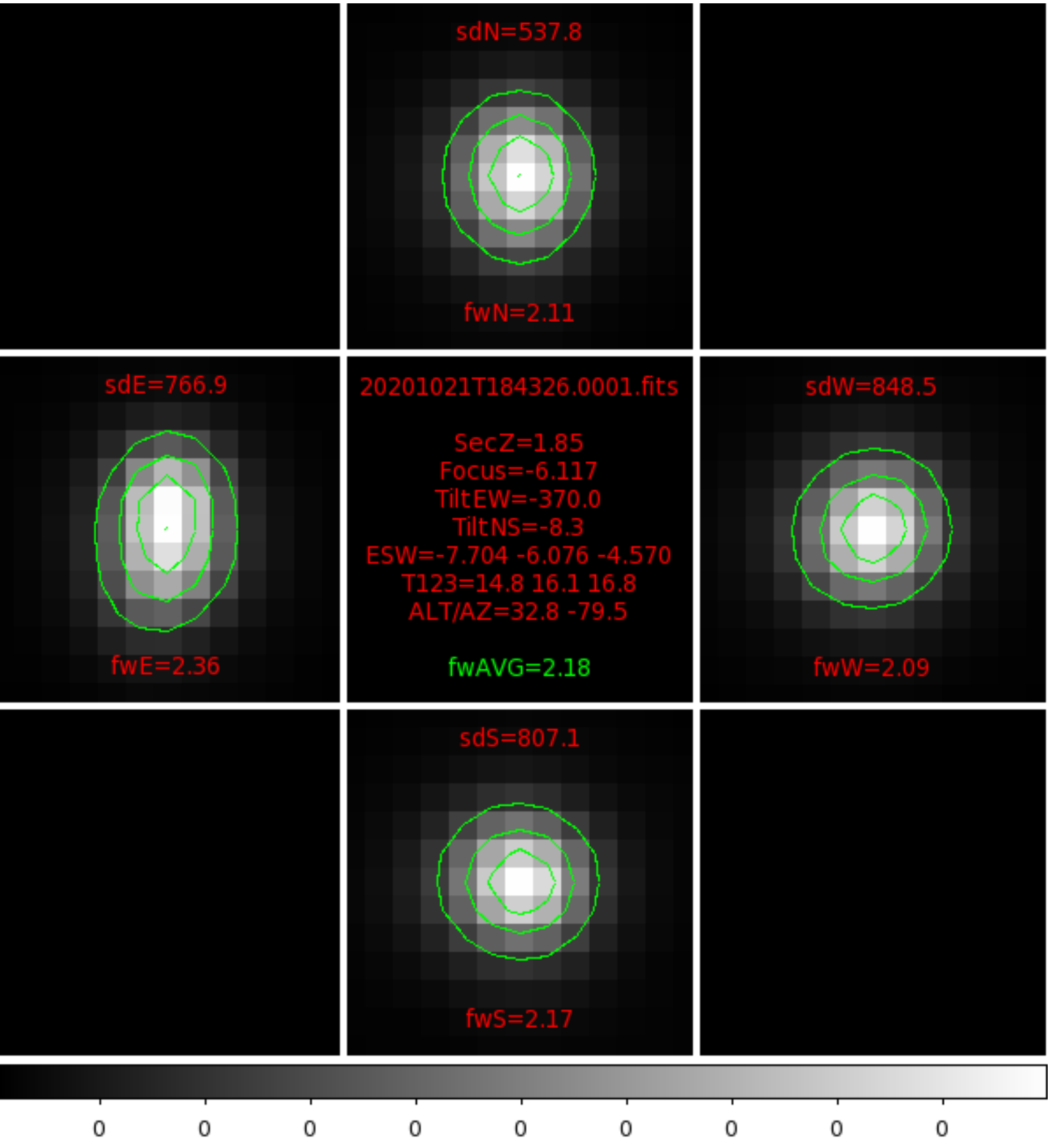
sdN=537.8
fwN=2.11
sdE=766.9
fwE=2.36
20201021T184326.0001.fits
SecZ=1.85
Focus=-6.117
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.704 -6.076 -4.570
T123=14.8 16.1 16.8
ALT/AZ=32.8 -79.5
fwAVG=2.18
sdW=848.5
fwW=2.09
sdS=807.1
fwS=2.17
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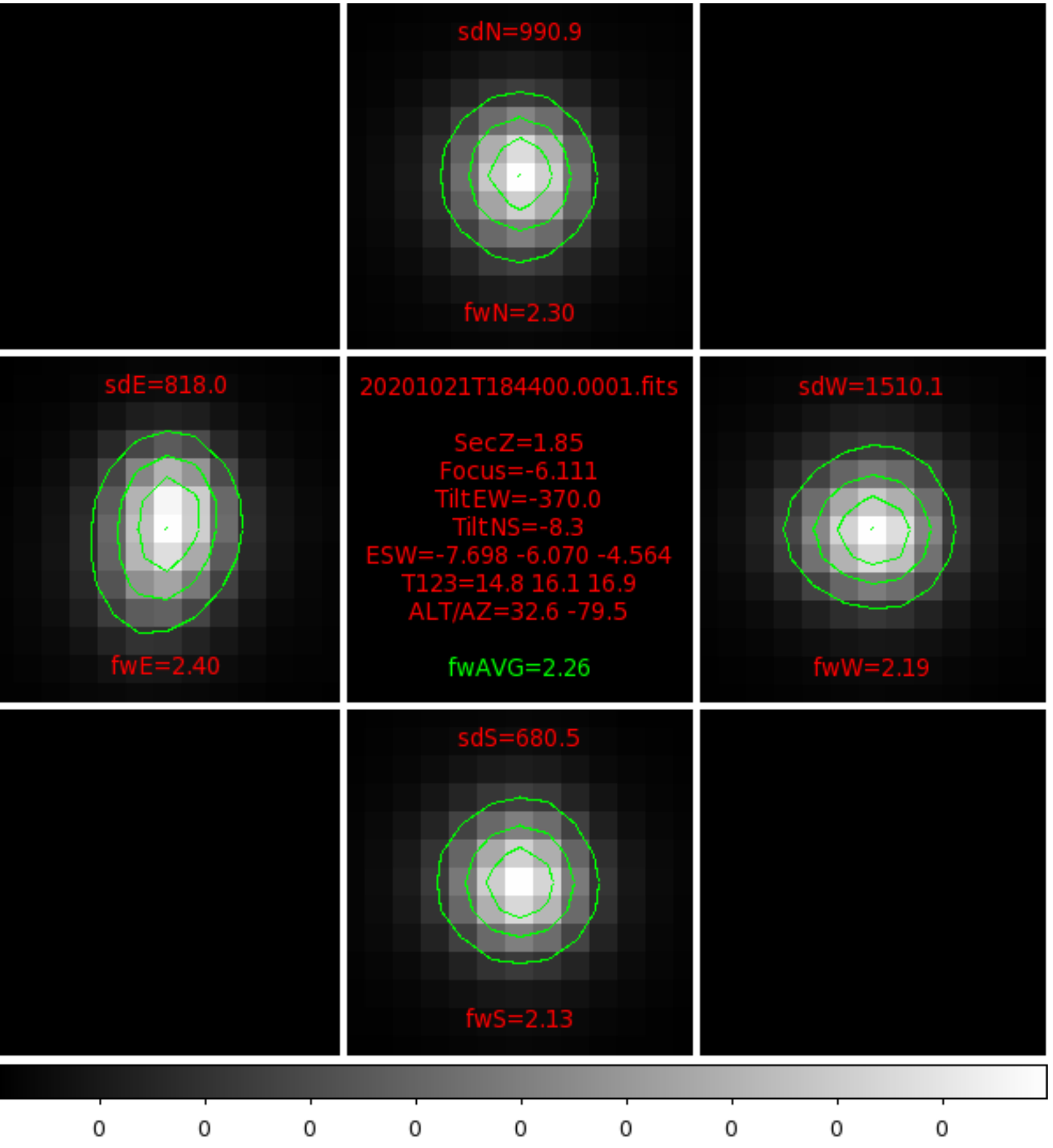
sdN=990.9
fwN=2.30
sdE=818.0
fwE=2.40
20201021T184400.0001.fits
SecZ=1.85
Focus=-6.111
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.698 -6.070 -4.564
T123=14.8 16.1 16.9
ALT/AZ=32.6 -79.5
fwAVG=2.26
sdW=1510.1
fwW=2.19
sdS=680.5
fwS=2.13
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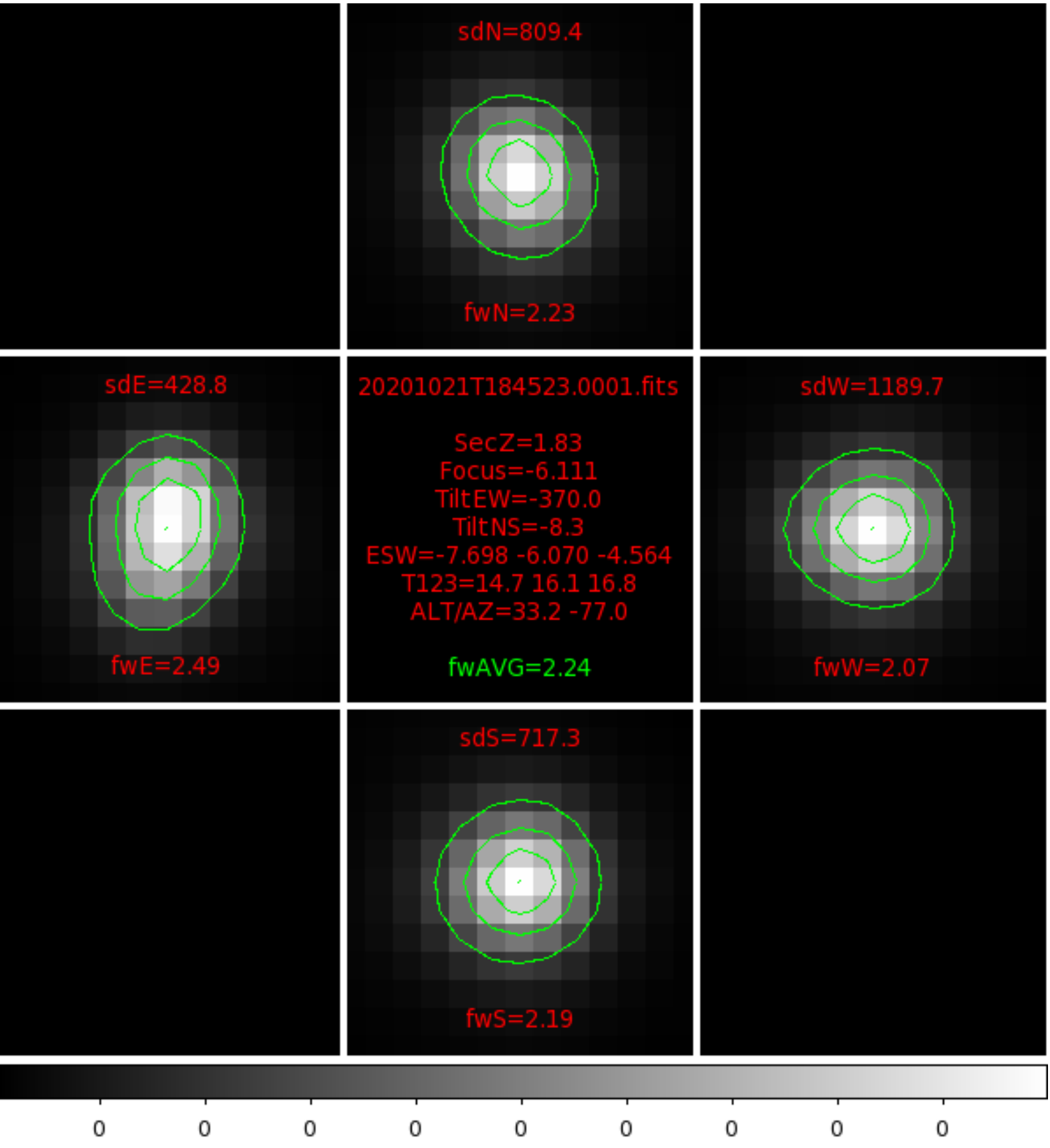
sdN=809.4
fwN=2.23
sdE=428.8
fwE=2.49
20201021T184523.0001.fits
SecZ=1.83
Focus=-6.111
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.698 -6.070 -4.564
T123=14.7 16.1 16.8
ALT/AZ=33.2 -77.0
fwAVG=2.24
sdW=1189.7
fwW=2.07
sdS=717.3
fwS=2.19
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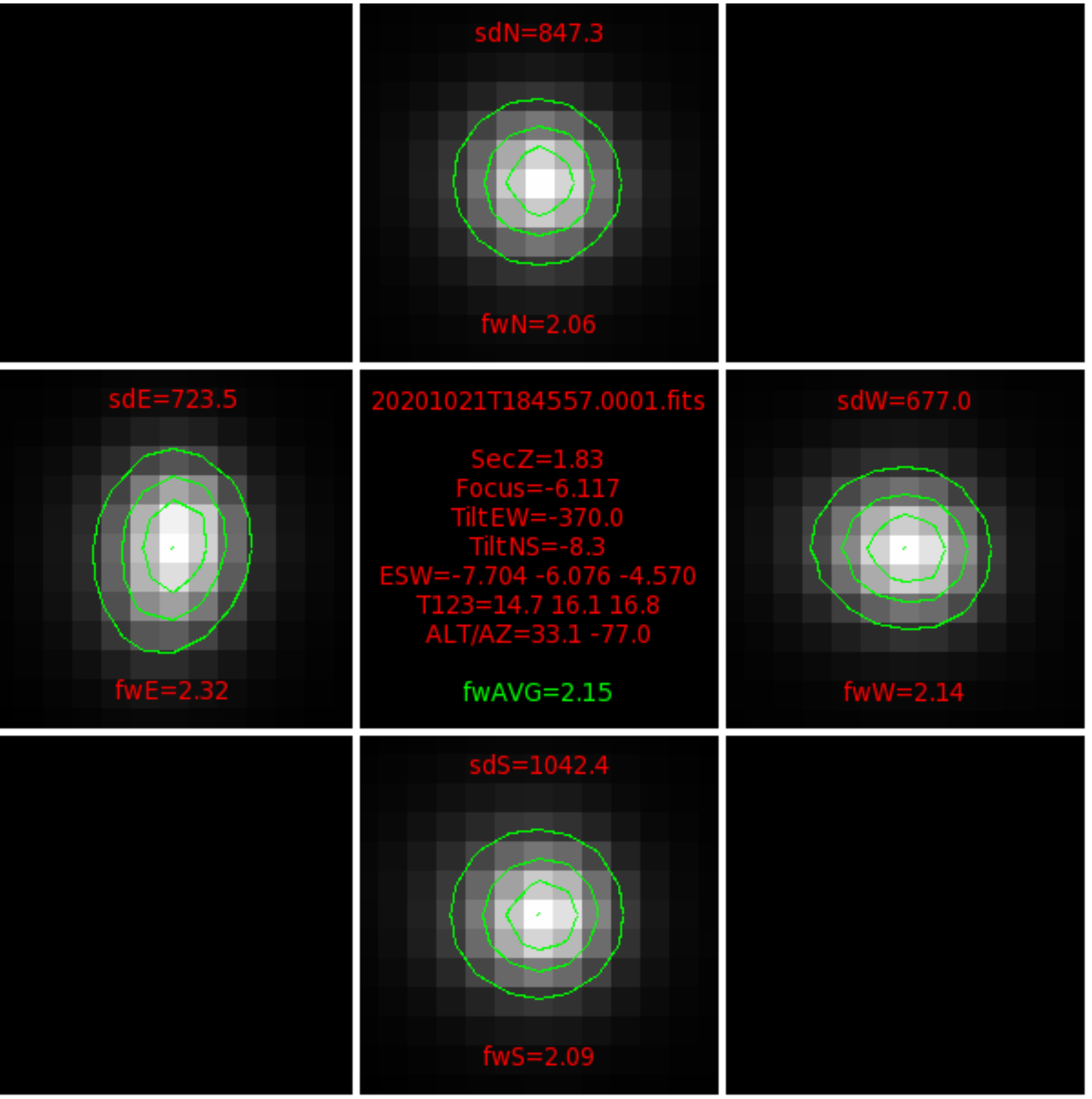
sdN=847.3
fwN=2.06
sdE=723.5
fwE=2.32
20201021T184557.0001.fits
SecZ=1.83
Focus=-6.117
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.704 -6.076 -4.570
T123=14.7 16.1 16.8
ALT/AZ=33.1 -77.0
fwAVG=2.15
sdW=677.0
fwW=2.14
sdS=1042.4
fwS=2.09
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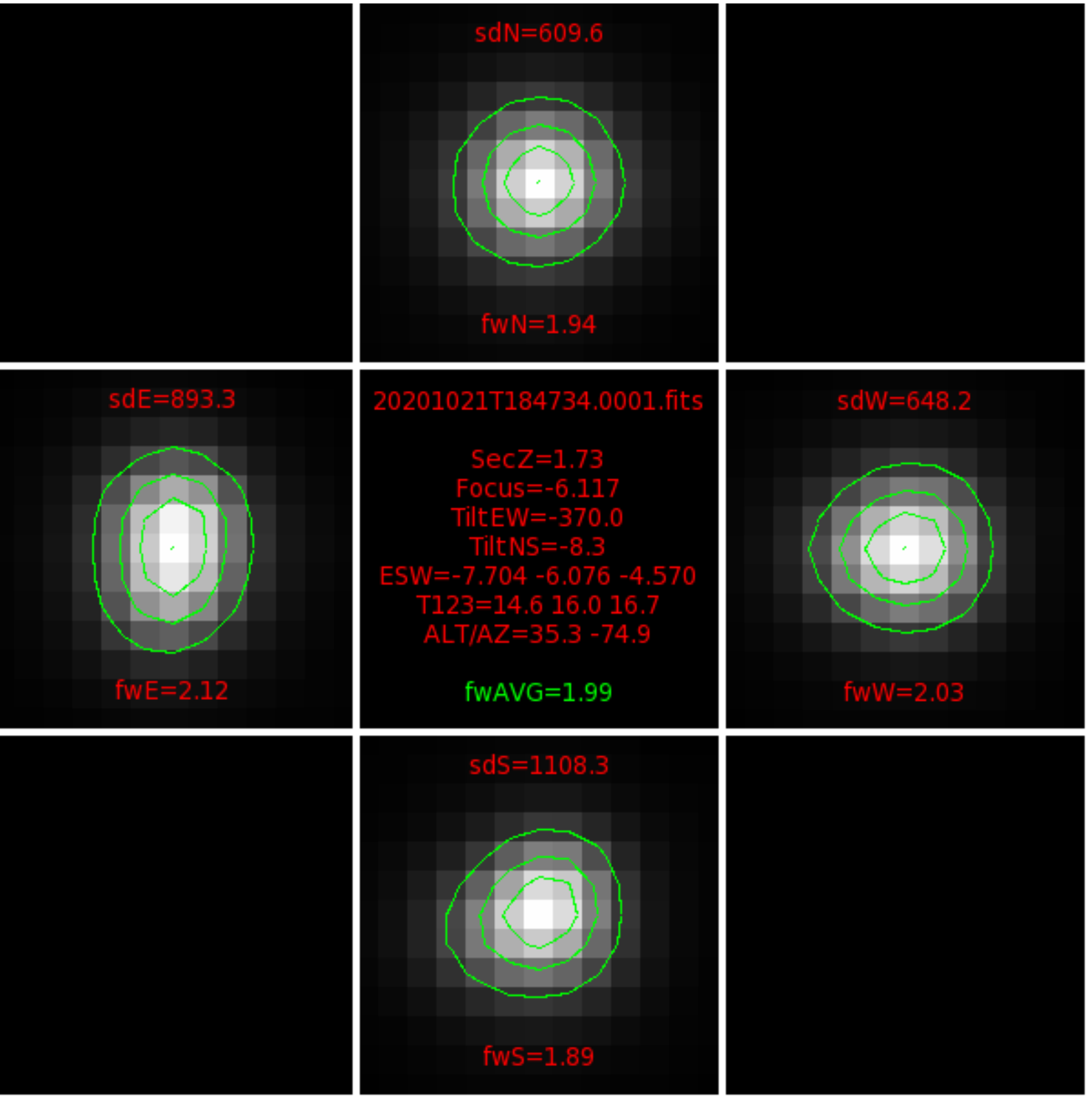
sdN=609.6
fwN=1.94
sdE=893.3
fwE=2.12
20201021T184734.0001.fits
SecZ=1.73
Focus=-6.117
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.704 -6.076 -4.570
T123=14.6 16.0 16.7
ALT/AZ=35.3 -74.9
fwAVG=1.99
sdW=648.2
fwW=2.03
sdS=1108.3
fwS=1.89
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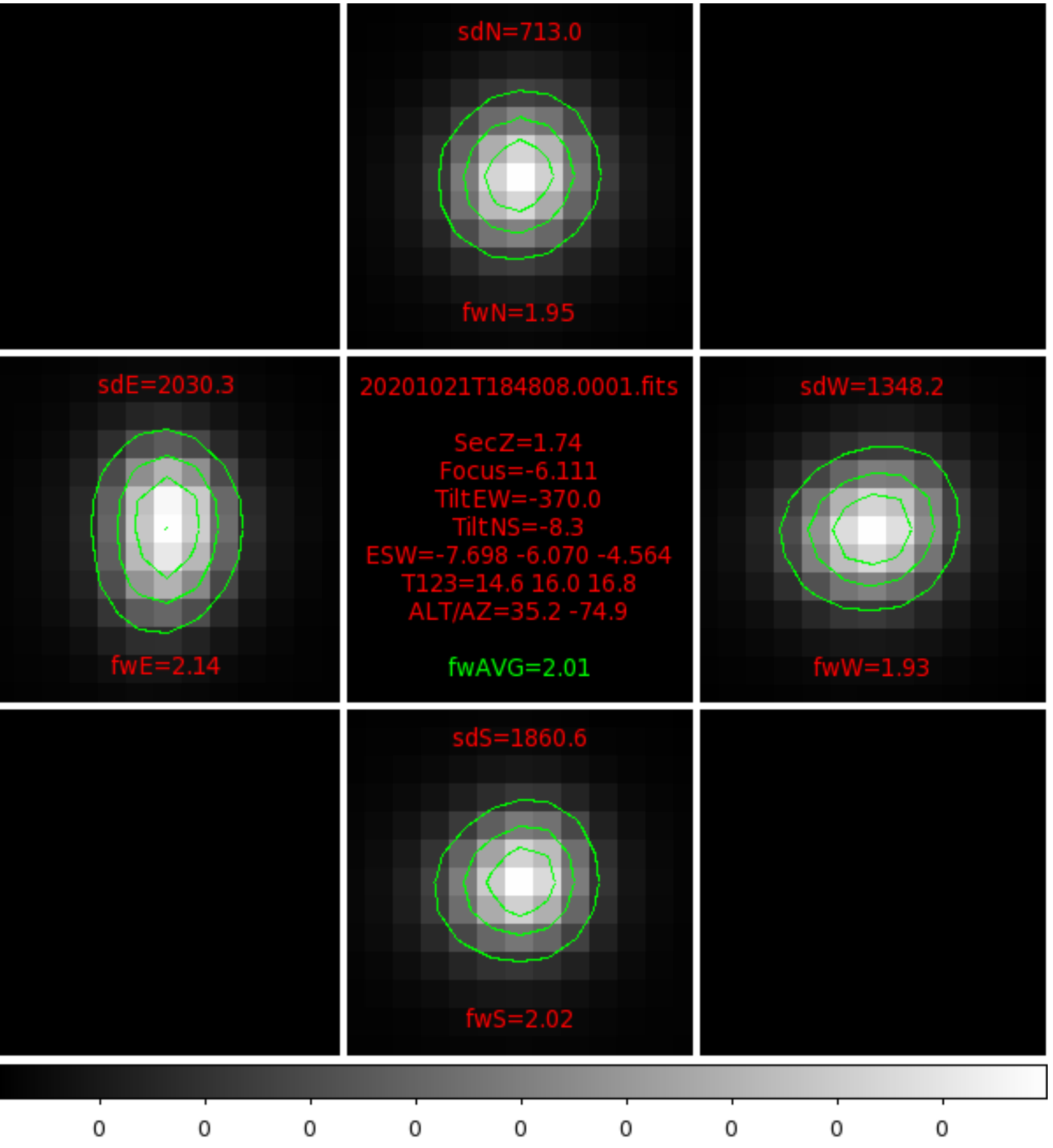
sdN=713.0
fwN=1.95
sdE=2030.3
fwE=2.14
20201021T184808.0001.fits
SecZ=1.74
Focus=-6.111
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.698 -6.070 -4.564
T123=14.6 16.0 16.8
ALT/AZ=35.2 -74.9
fwAVG=2.01
sdW=1348.2
fwW=1.93
sdS=1860.6
fwS=2.02
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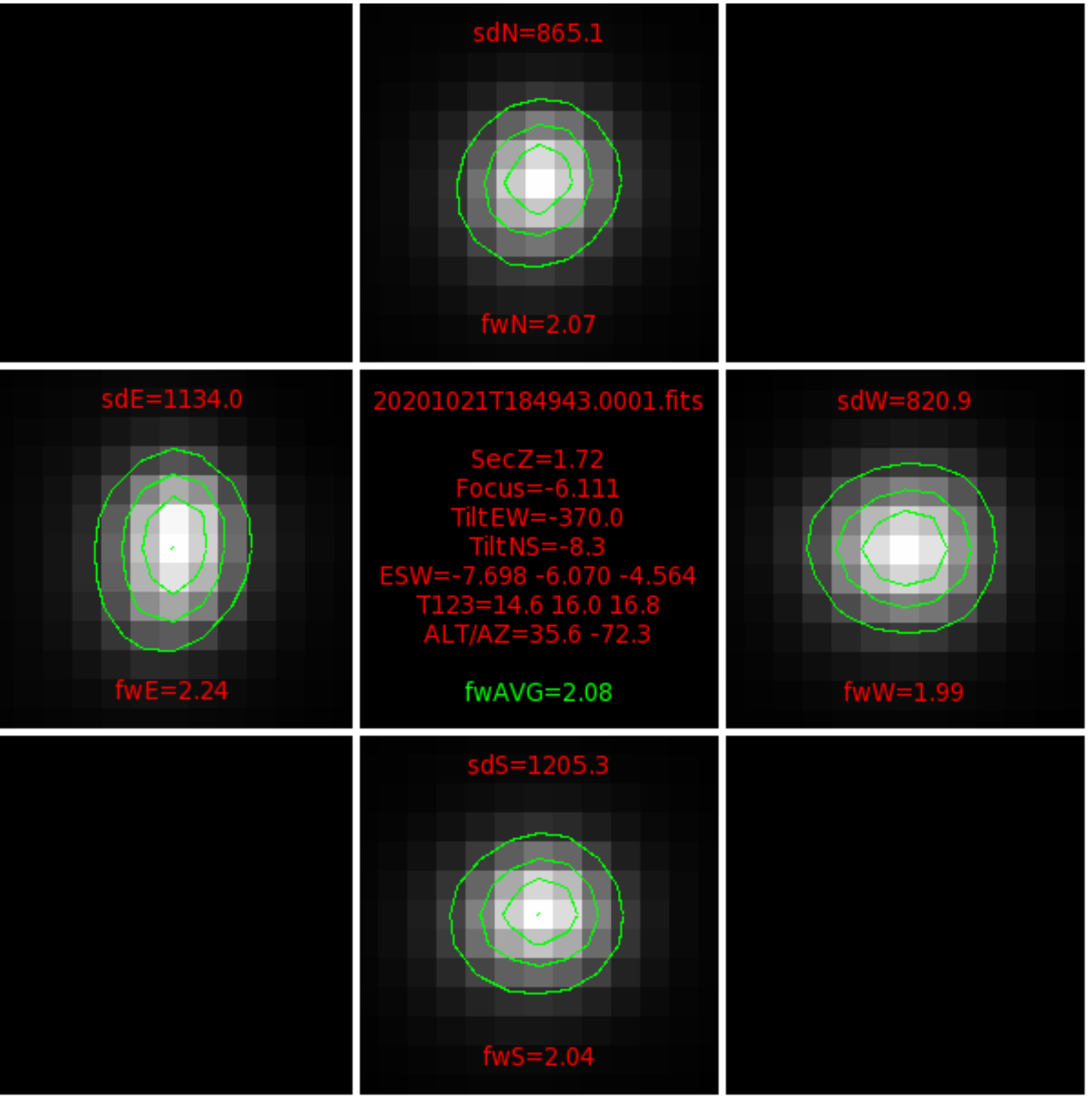
sdN=865.1
fwN=2.07
sdE=1134.0
fwE=2.24
20201021T184943.0001.fits
SecZ=1.72
Focus=-6.111
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.698 -6.070 -4.564
T123=14.6 16.0 16.8
ALT/AZ=35.6 -72.3
fwAVG=2.08
sdW=820.9
fwW=1.99
sdS=1205.3
fwS=2.04
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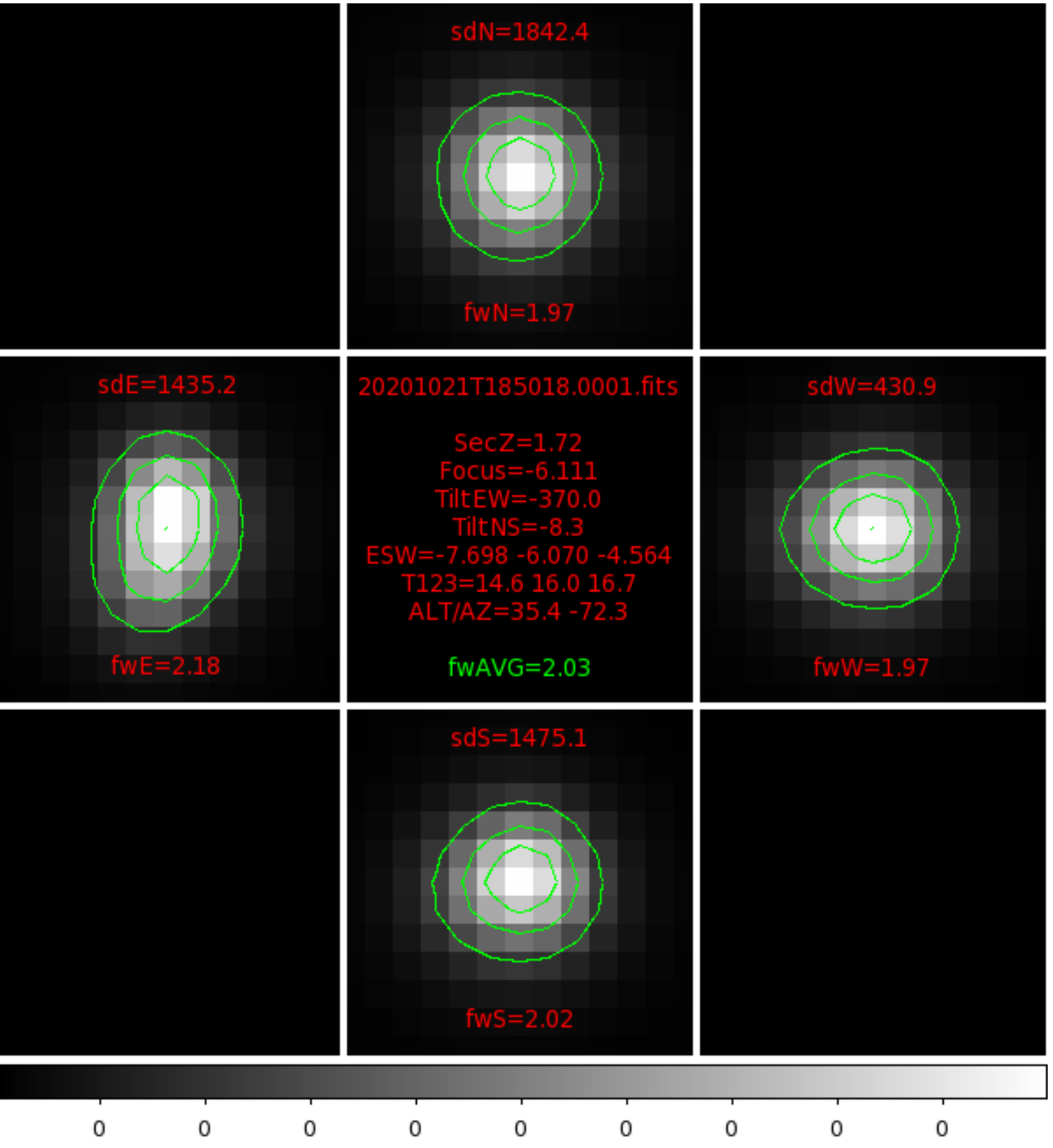
sdN=1842.4
fwN=1.97
sdE=1435.2
fwE=2.18
20201021T185018.0001.fits
SecZ=1.72
Focus=-6.111
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.698 -6.070 -4.564
T123=14.6 16.0 16.7
ALT/AZ=35.4 -72.3
fwAVG=2.03
sdW=430.9
fwW=1.97
sdS=1475.1
fwS=2.02
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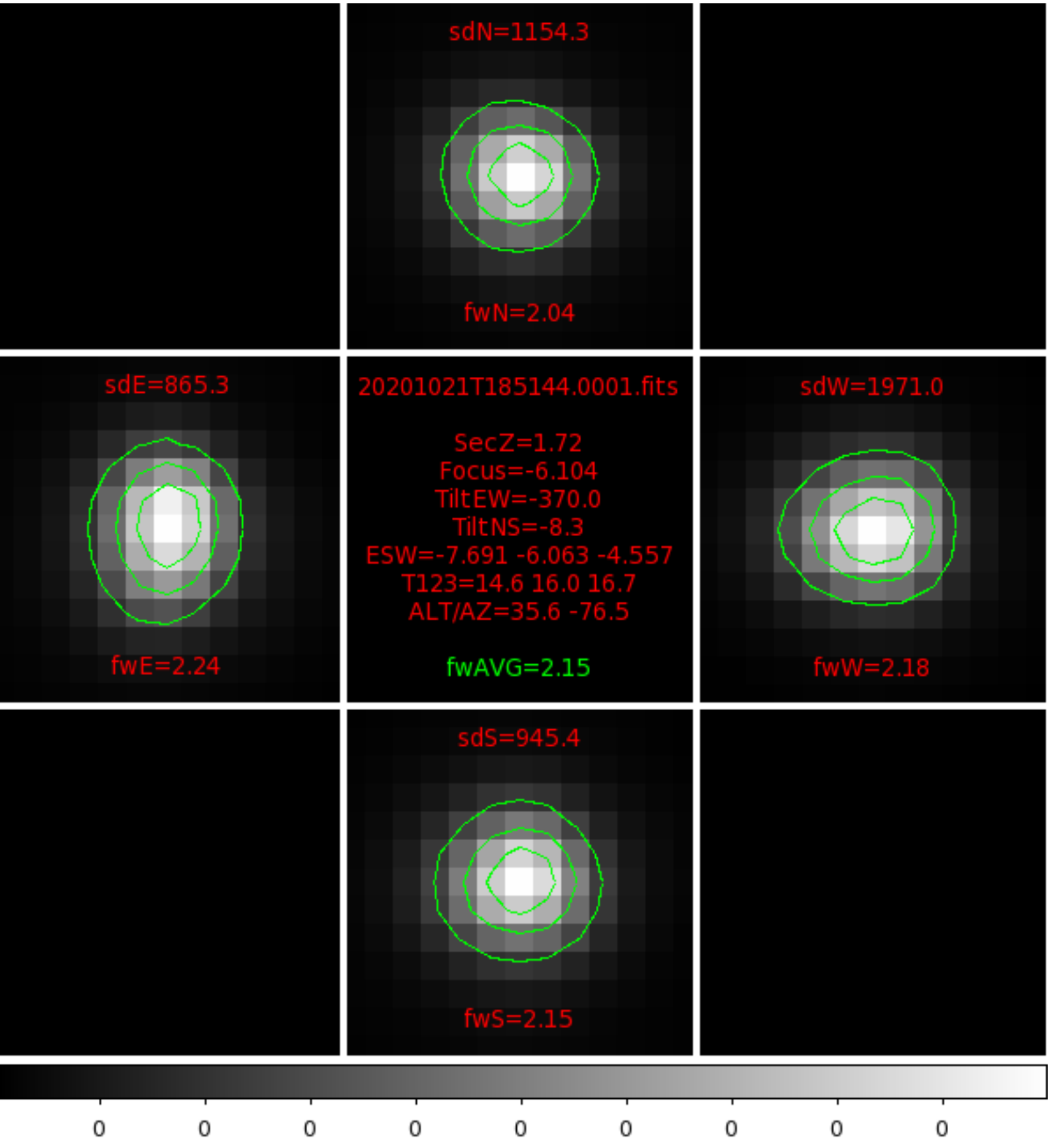
sdN=1154.3
fwN=2.04
sdE=865.3
fwE=2.24
20201021T185144.0001.fits
SecZ=1.72
Focus=-6.104
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.691 -6.063 -4.557
T123=14.6 16.0 16.7
ALT/AZ=35.6 -76.5
fwAVG=2.15
sdW=1971.0
fwW=2.18
sdS=945.4
fwS=2.15
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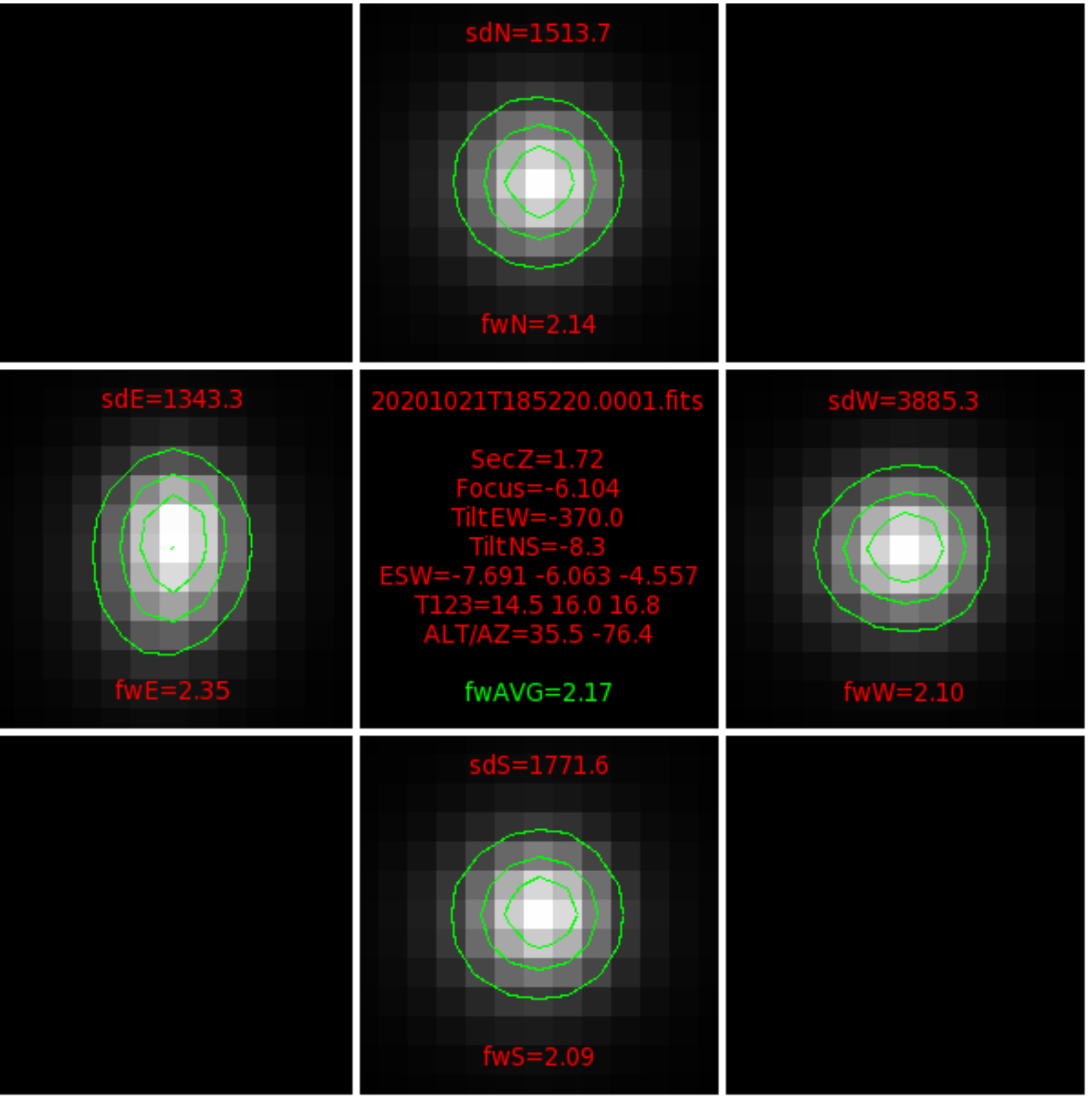
sdN=1513.7
fwN=2.14
sdE=1343.3
fwE=2.35
20201021T185220.0001.fits
SecZ=1.72
Focus=-6.104
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.691 -6.063 -4.557
T123=14.5 16.0 16.8
ALT/AZ=35.5 -76.4
fwAVG=2.17
sdW=3885.3
fwW=2.10
sdS=1771.6
fwS=2.09
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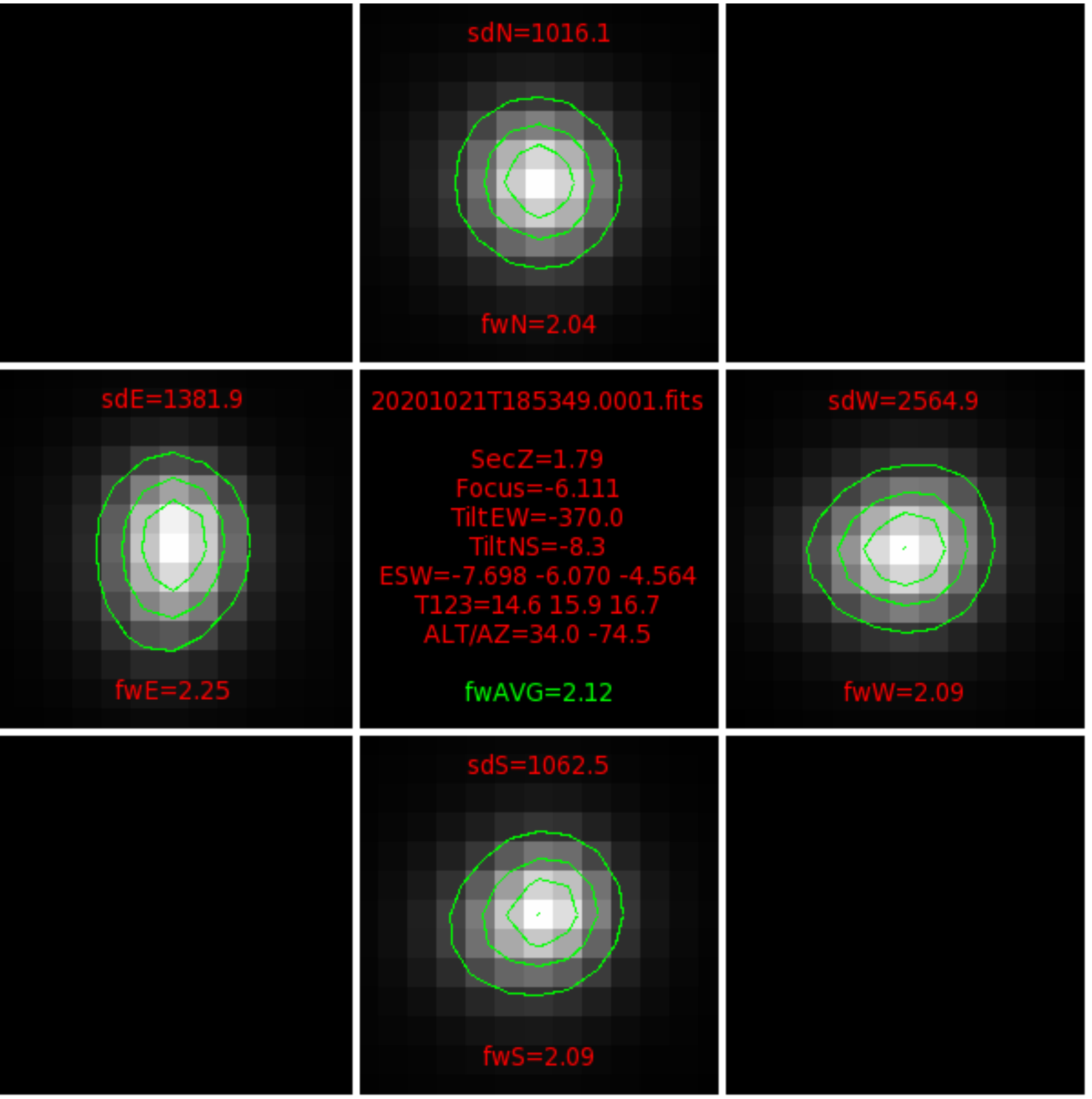
sdN=1016.1
fwN=2.04
sdE=1381.9
fwE=2.25
20201021T185349.0001.fits
SecZ=1.79
Focus=-6.111
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.698 -6.070 -4.564
T123=14.6 15.9 16.7
ALT/AZ=34.0 -74.5
fwAVG=2.12
sdW=2564.9
fwW=2.09
sdS=1062.5
fwS=2.09
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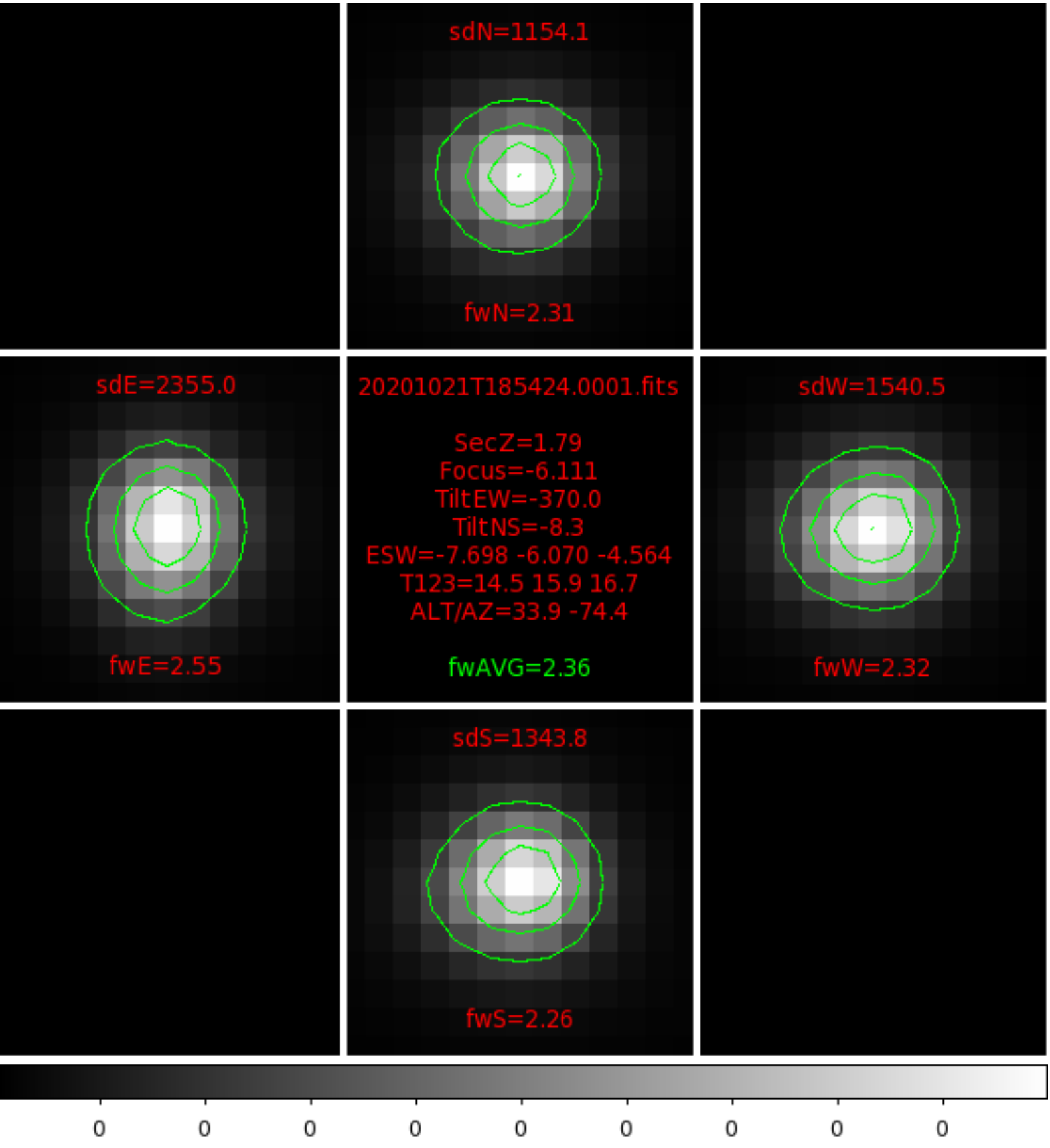
sdN=1154.1
fwN=2.31
sdE=2355.0
fwE=2.55
20201021T185424.0001.fits
SecZ=1.79
Focus=-6.111
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.698 -6.070 -4.564
T123=14.5 15.9 16.7
ALT/AZ=33.9 -74.4
fwAVG=2.36
sdW=1540.5
fwW=2.32
sdS=1343.8
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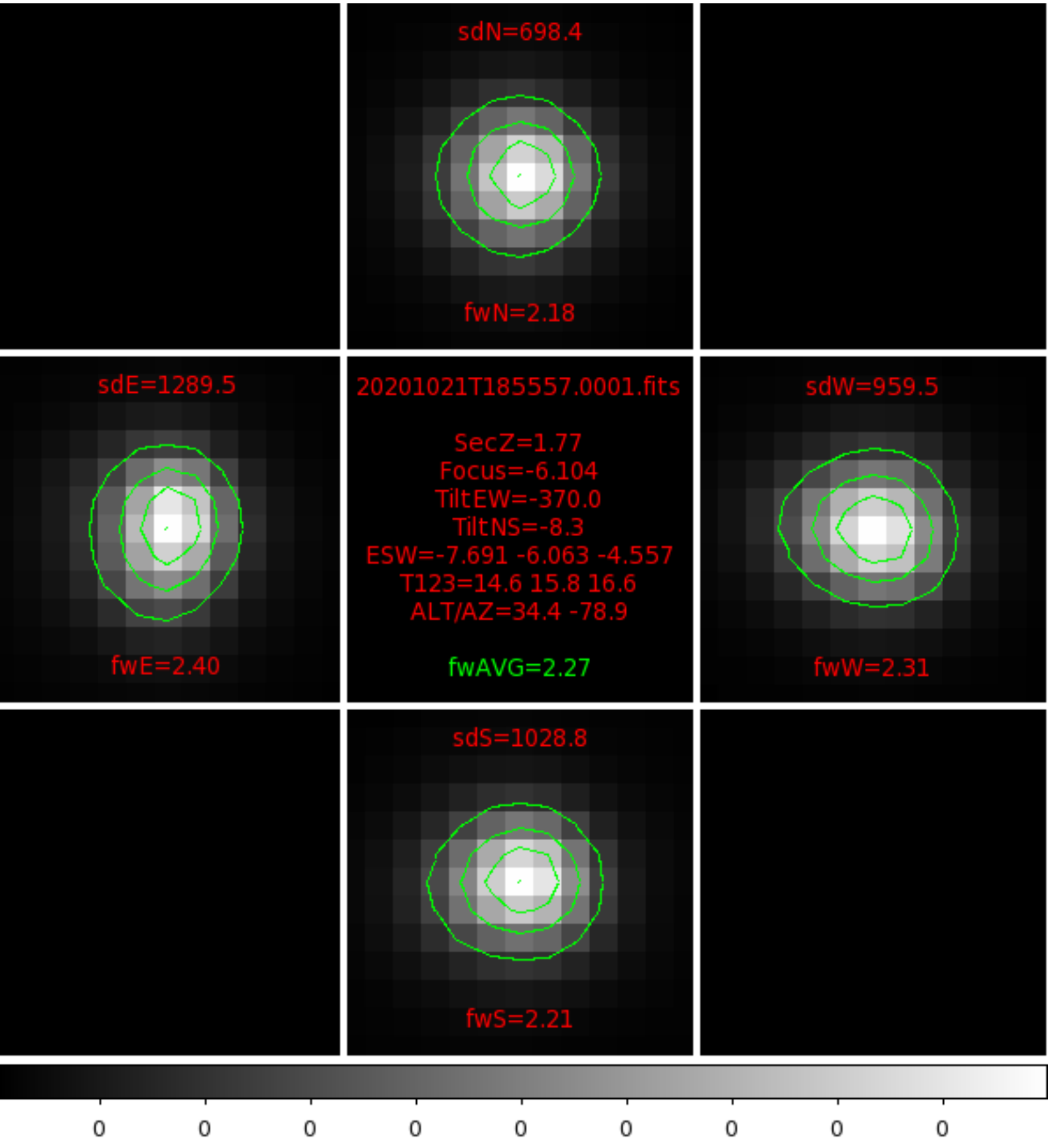
sdN=698.4
fwN=2.18
sdE=1289.5
fwE=2.40
20201021T185557.0001.fits
SecZ=1.77
Focus=-6.104
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.691 -6.063 -4.557
T123=14.6 15.8 16.6
ALT/AZ=34.4 -78.9
fwAVG=2.27
sdW=959.5
fwW=2.31
sdS=1028.8
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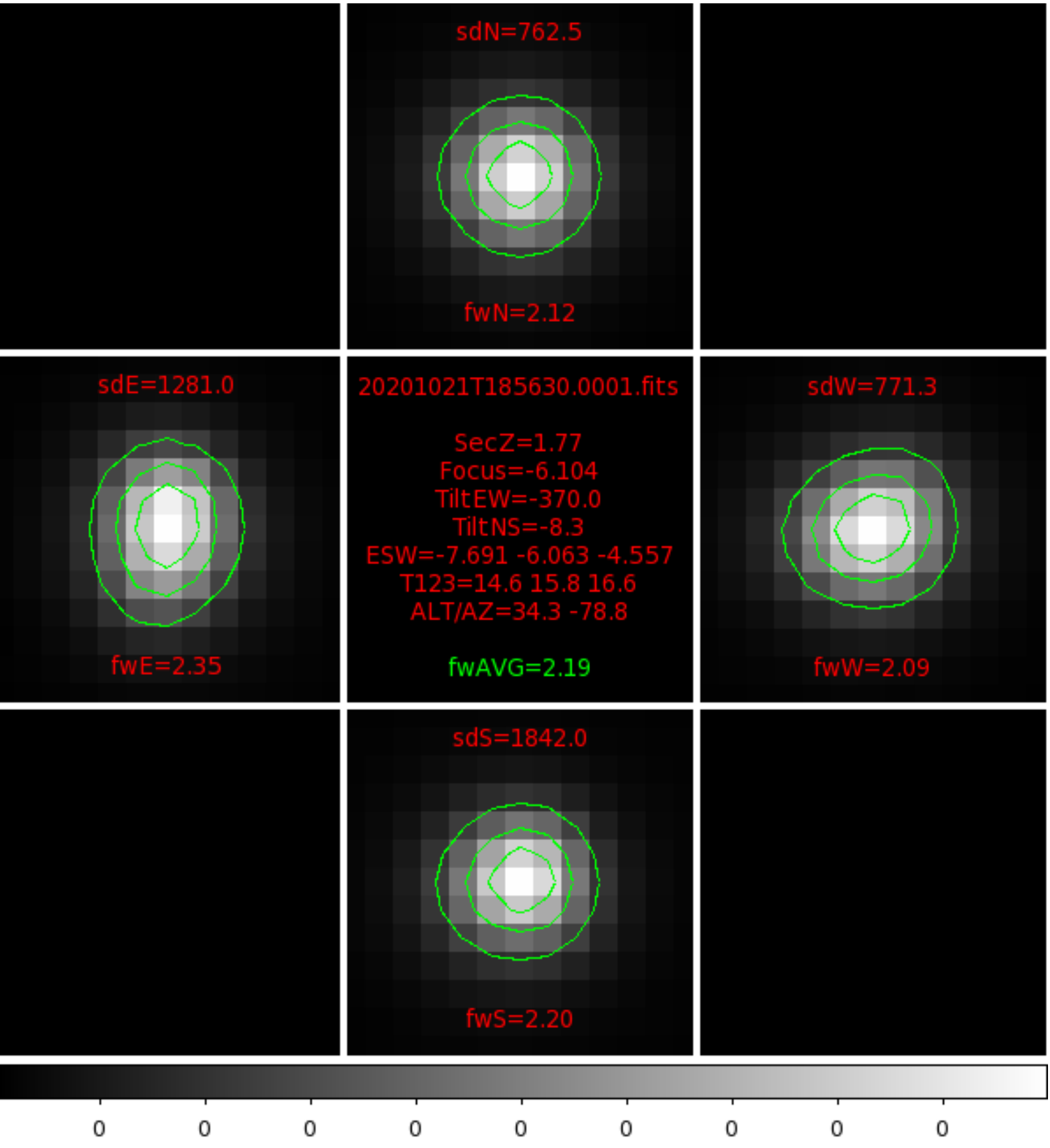
sdN=762.5
fwN=2.12
sdE=1281.0
fwE=2.35
20201021T185630.0001.fits
SecZ=1.77
Focus=-6.104
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.691 -6.063 -4.557
T123=14.6 15.8 16.6
ALT/AZ=34.3 -78.8
fwAVG=2.19
sdW=771.3
fwW=2.09
sdS=1842.0
fwS=2.20
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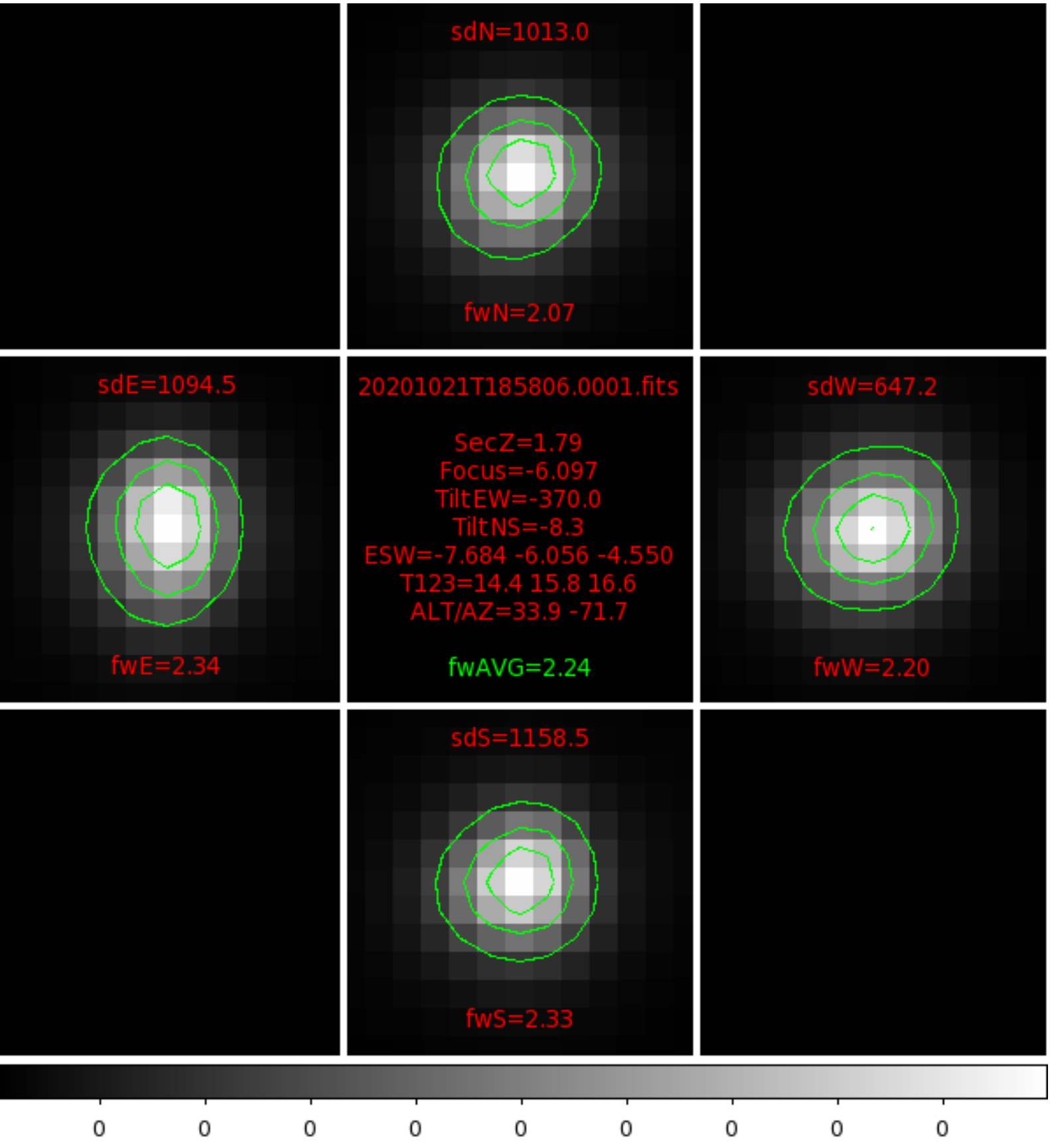
sdN=1013.0
fwN=2.07
sdE=1094.5
fwE=2.34
20201021T185806.0001.fits
SecZ=1.79
Focus=-6.097
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.684 -6.056 -4.550
T123=14.4 15.8 16.6
ALT/AZ=33.9 -71.7
fwAVG=2.24
sdW=647.2
fwW=2.20
sdS=1158.5
fwS=2.33
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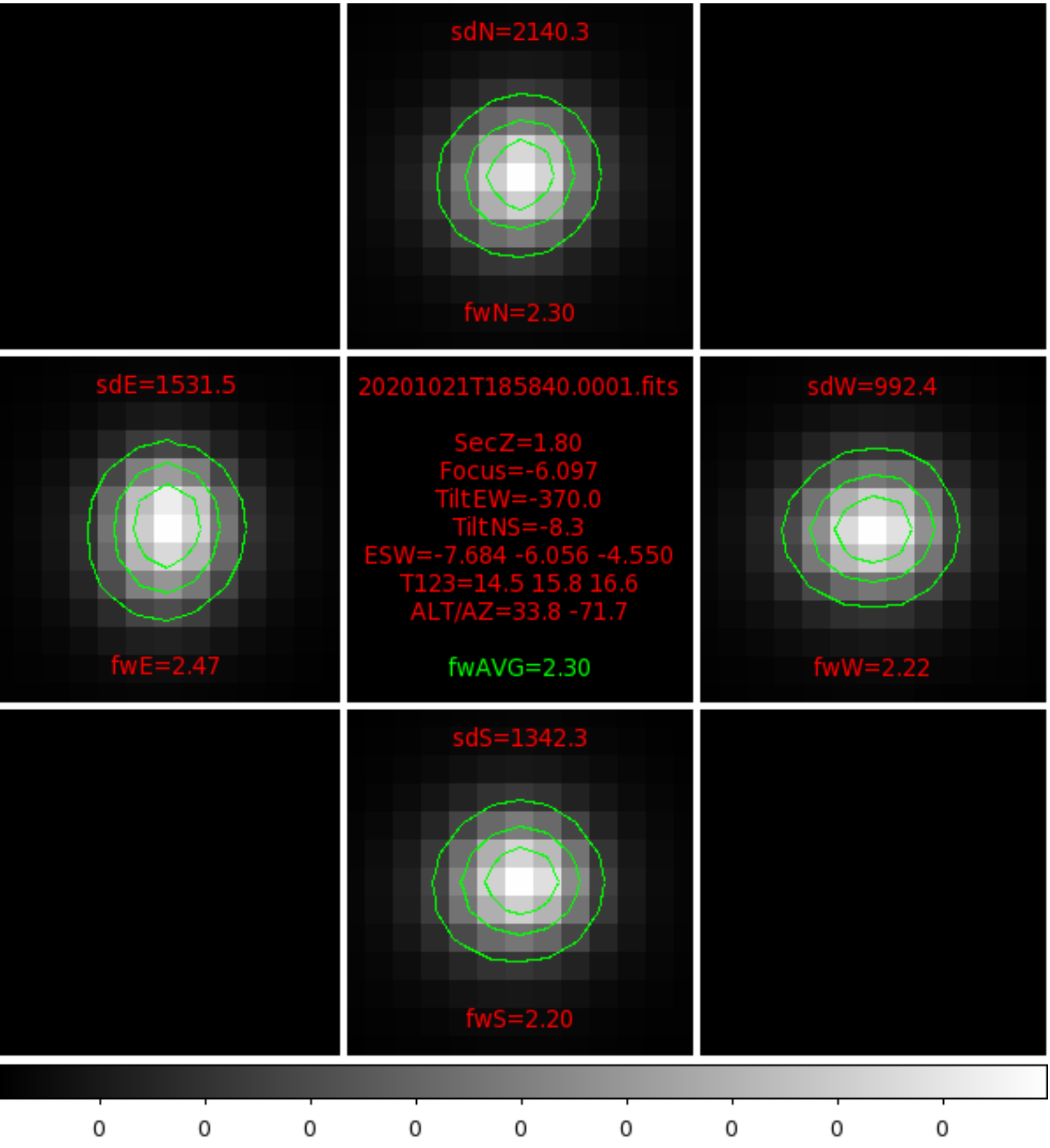
sdN=2140.3
fwN=2.30
sdE=1531.5
fwE=2.47
20201021T185840.0001.fits
SecZ=1.80
Focus=-6.097
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.684 -6.056 -4.550
T123=14.5 15.8 16.6
ALT/AZ=33.8 -71.7
fwAVG=2.30
sdW=992.4
fwW=2.22
sdS=1342.3
fwS=2.20
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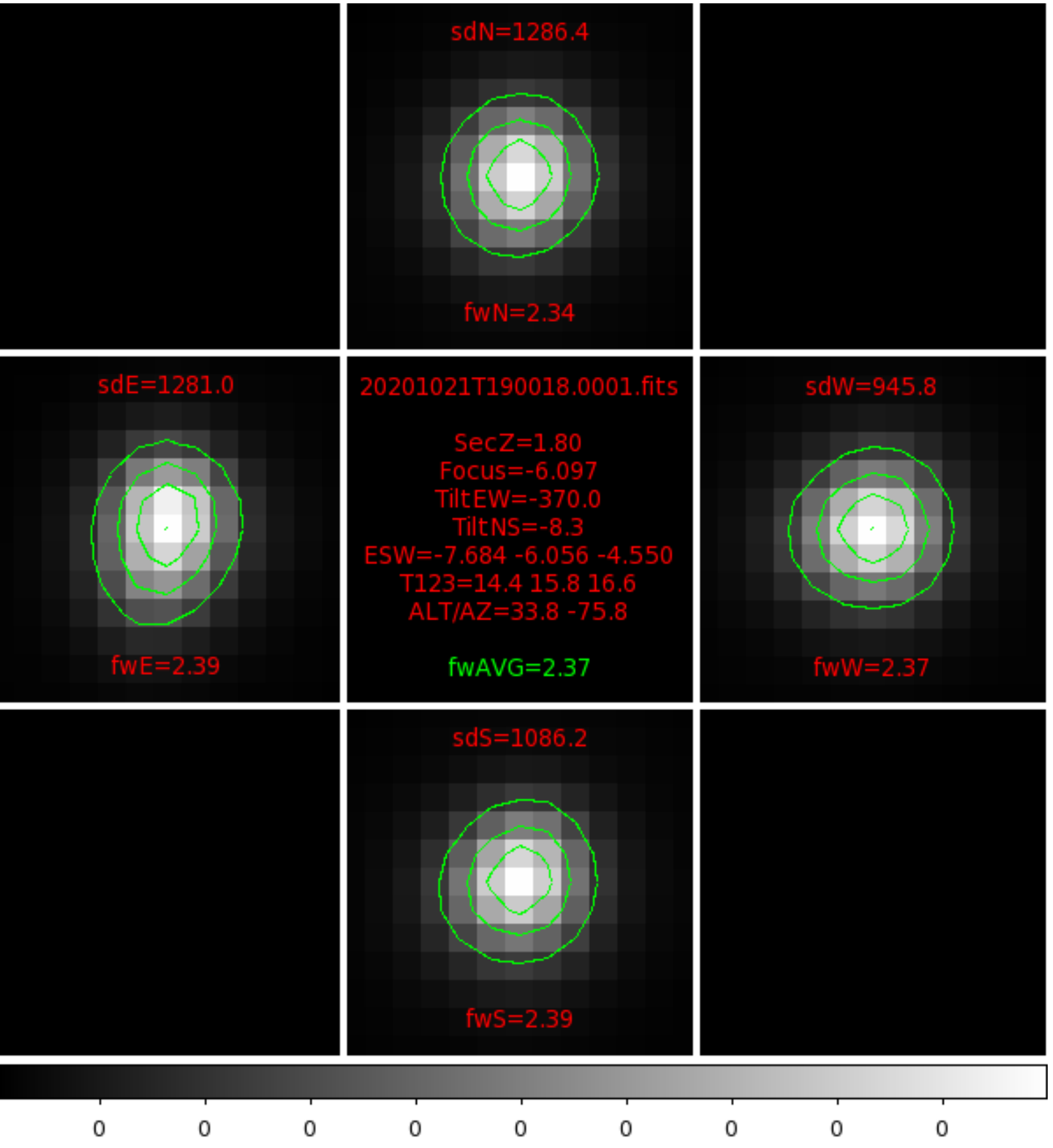
sdN=1286.4
fwN=2.34
sdE=1281.0
fwE=2.39
20201021T190018.0001.fits
SecZ=1.80
Focus=-6.097
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.684 -6.056 -4.550
T123=14.4 15.8 16.6
ALT/AZ=33.8 -75.8
fwAVG=2.37
sdW=945.8
fwW=2.37
sdS=1086.2
fwS=2.39
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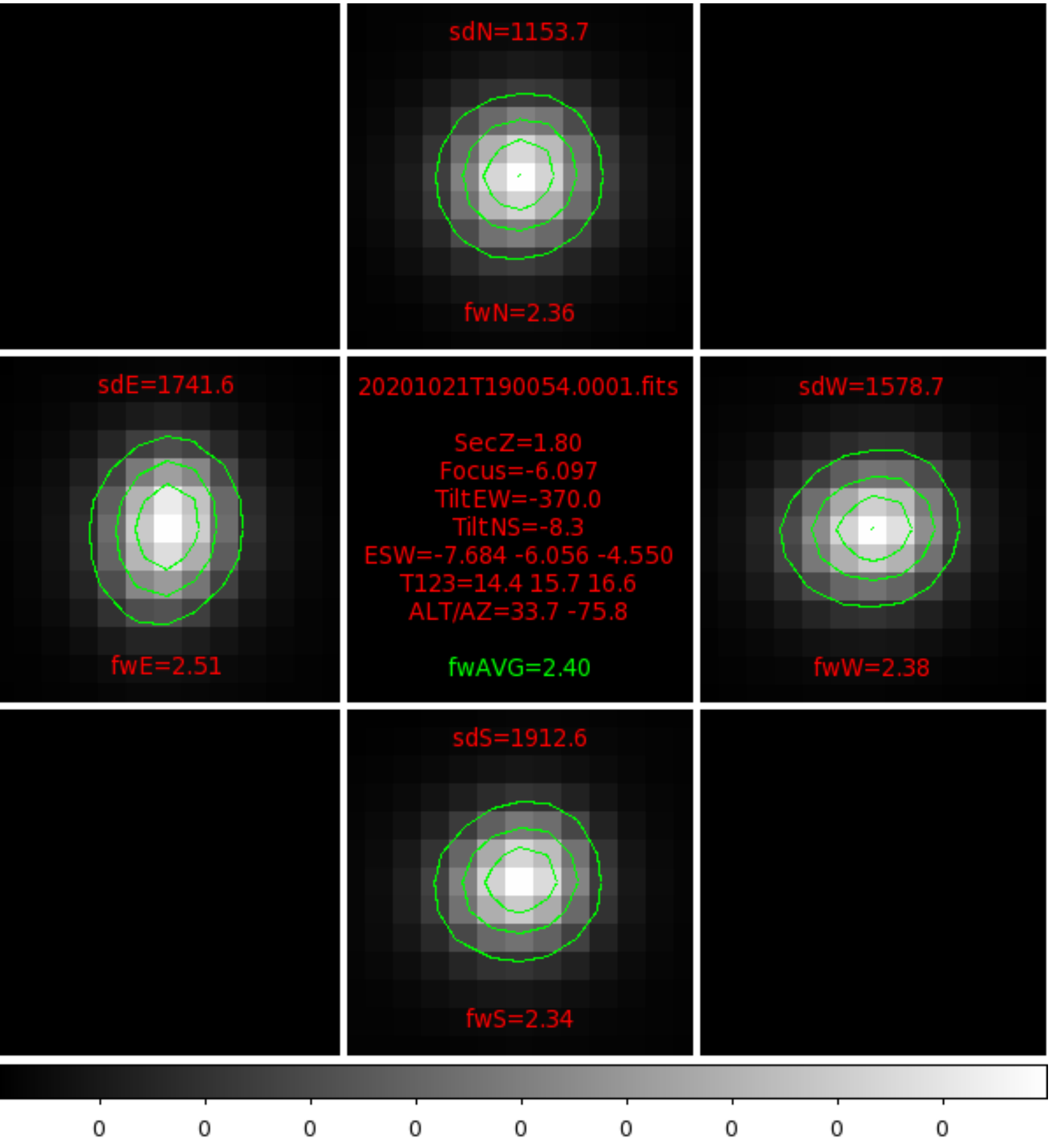
sdN=1153.7
fwN=2.36
sdE=1741.6
fwE=2.51
20201021T190054.0001.fits
SecZ=1.80
Focus=-6.097
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.684 -6.056 -4.550
T123=14.4 15.7 16.6
ALT/AZ=33.7 -75.8
fwAVG=2.40
sdW=1578.7
fwW=2.38
sdS=1912.6
fwS=2.34
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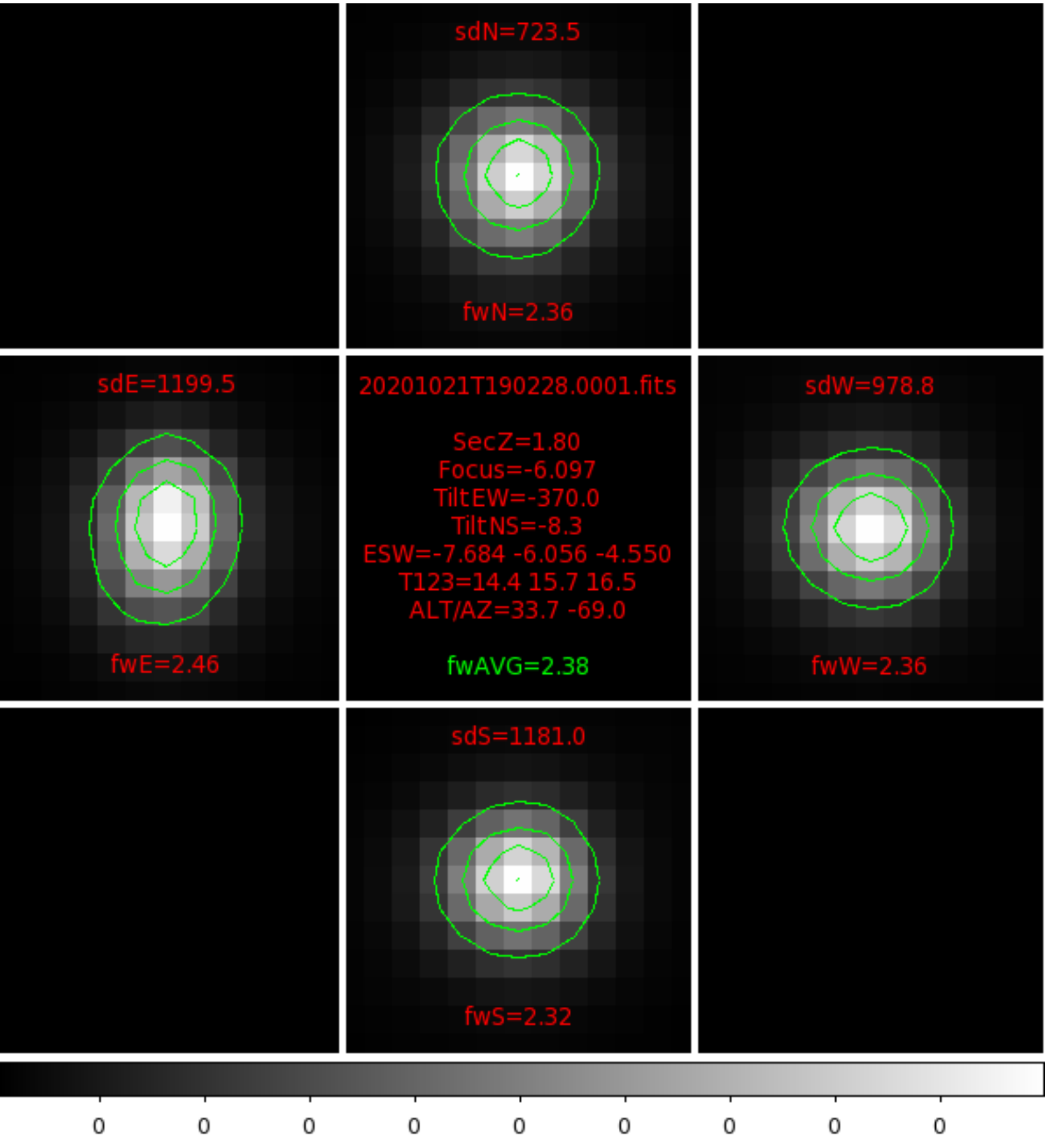
sdN=723.5
fwN=2.36
sdE=1199.5
fwE=2.46
20201021T190228.0001.fits
SecZ=1.80
Focus=-6.097
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.684 -6.056 -4.550
T123=14.4 15.7 16.5
ALT/AZ=33.7 -69.0
fwAVG=2.38
sdW=978.8
fwW=2.36
sdS=1181.0
fwS=2.32
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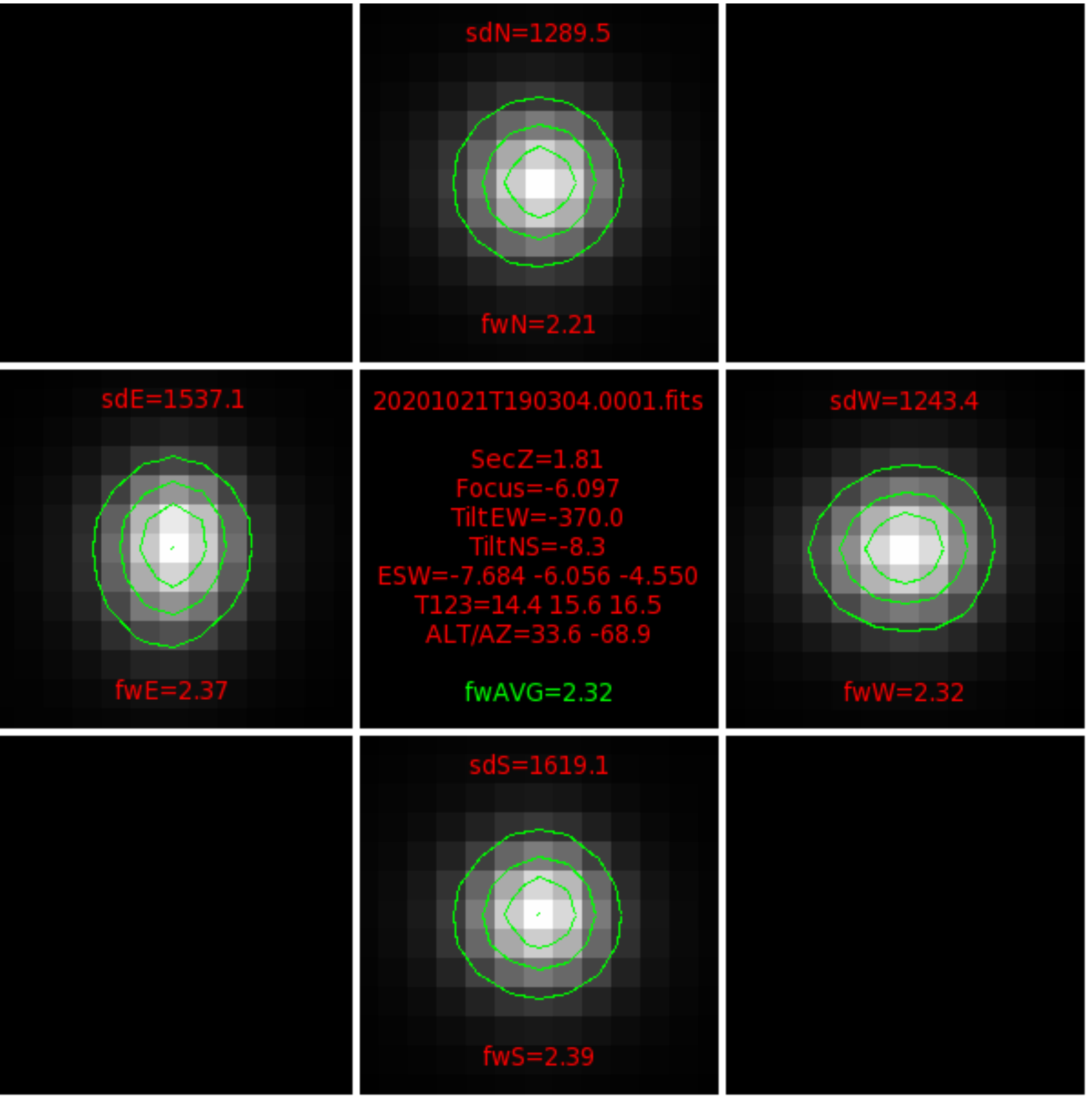
sdN=1289.5
fwN=2.21
sdE=1537.1
fwE=2.37
20201021T190304.0001.fits
SecZ=1.81
Focus=-6.097
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.684 -6.056 -4.550
T123=14.4 15.6 16.5
ALT/AZ=33.6 -68.9
fwAVG=2.32
sdW=1243.4
fwW=2.32
sdS=1619.1
fwS=2.39
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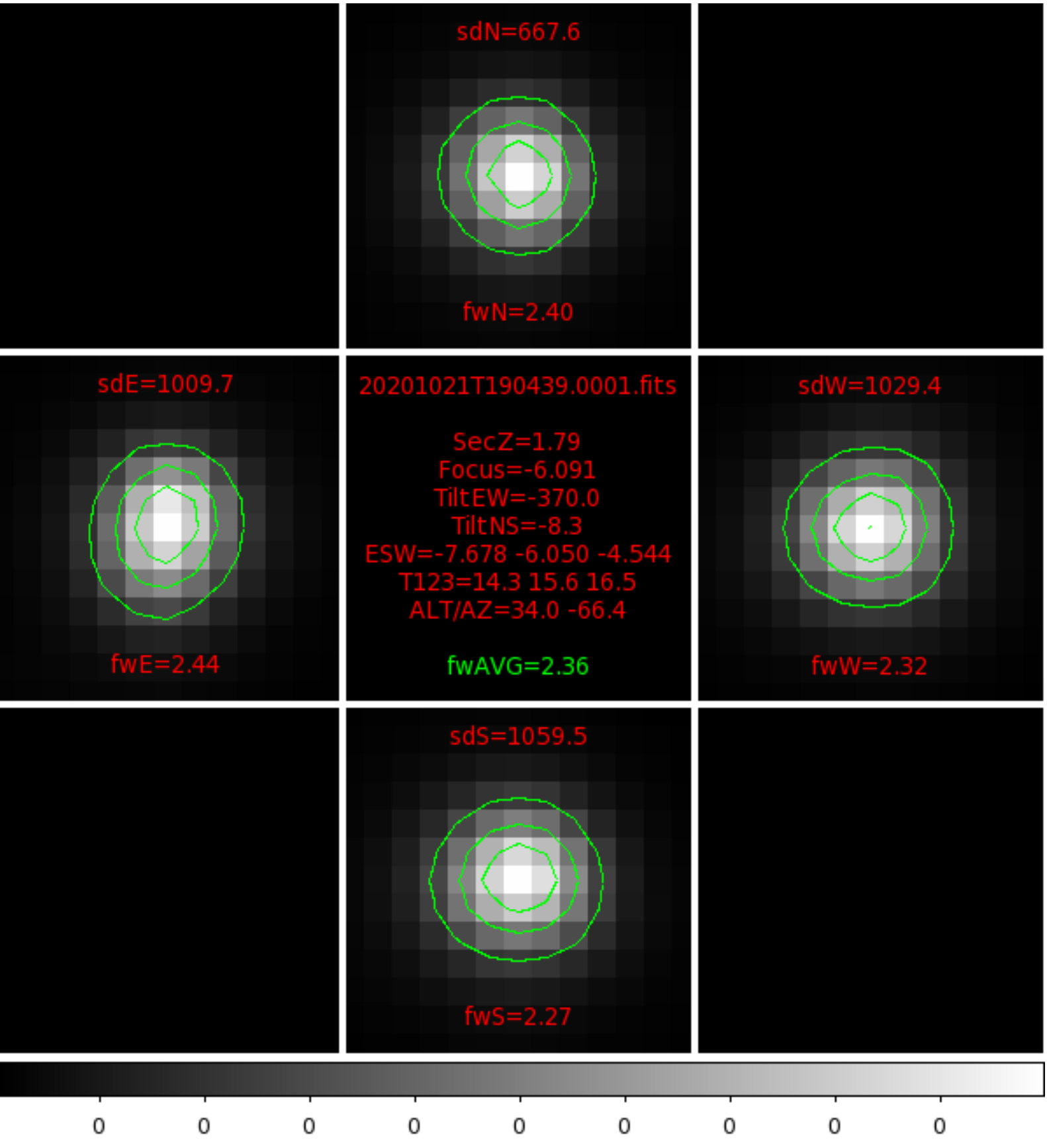
sdN=667.6
fwN=2.40
sdE=1009.7
fwE=2.44
20201021T190439.0001.fits
SecZ=1.79
Focus=-6.091
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.678 -6.050 -4.544
T123=14.3 15.6 16.5
ALT/AZ=34.0 -66.4
fwAVG=2.36
sdW=1029.4
fwW=2.32
sdS=1059.5
fwS=2.27
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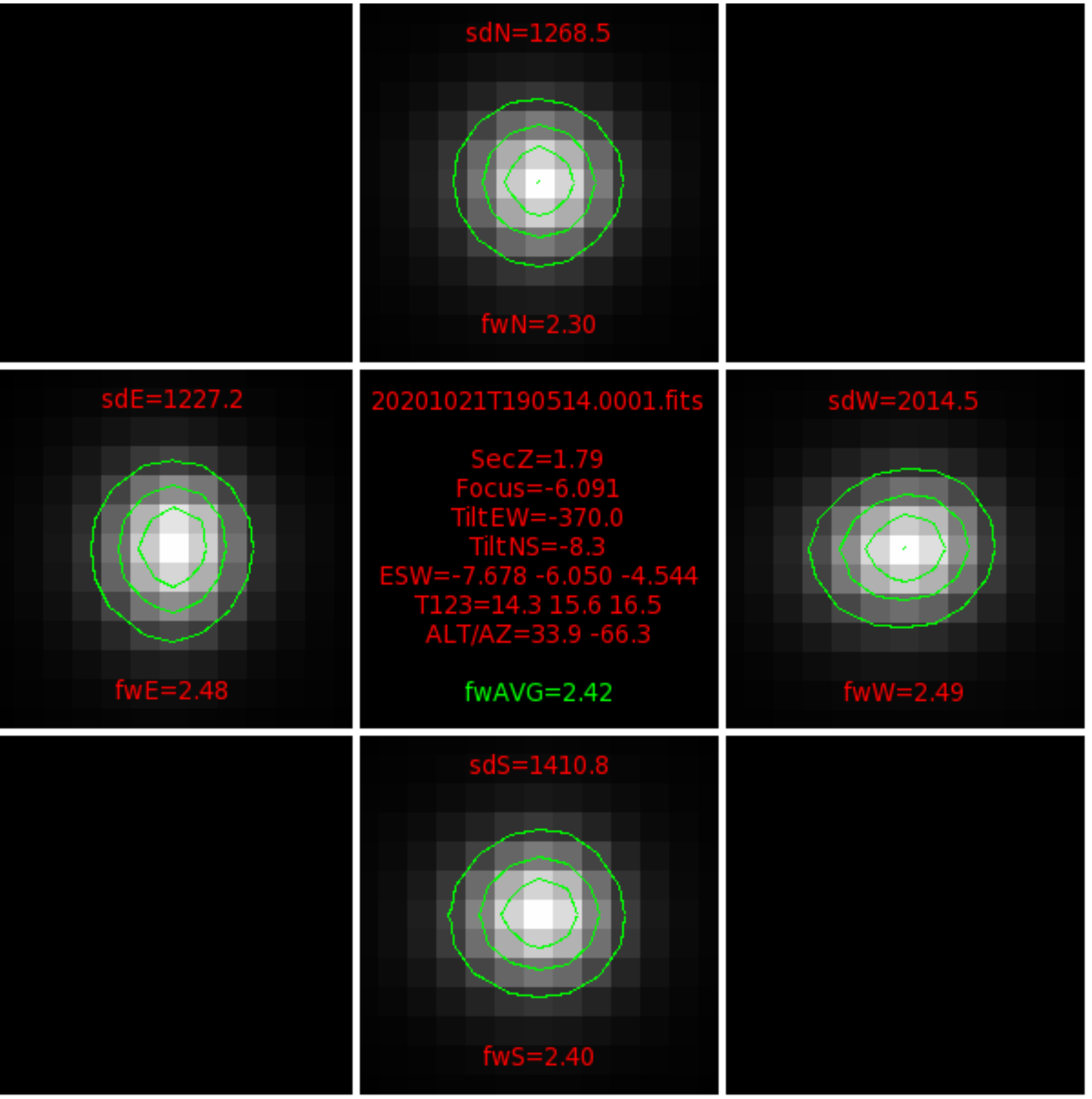
sdN=1268.5
fwN=2.30
sdE=1227.2
fwE=2.48
20201021T190514.0001.fits
SecZ=1.79
Focus=-6.091
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.678 -6.050 -4.544
T123=14.3 15.6 16.5
ALT/AZ=33.9 -66.3
fwAVG=2.42
sdW=2014.5
fwW=2.49
sdS=1410.8
fwS=2.40
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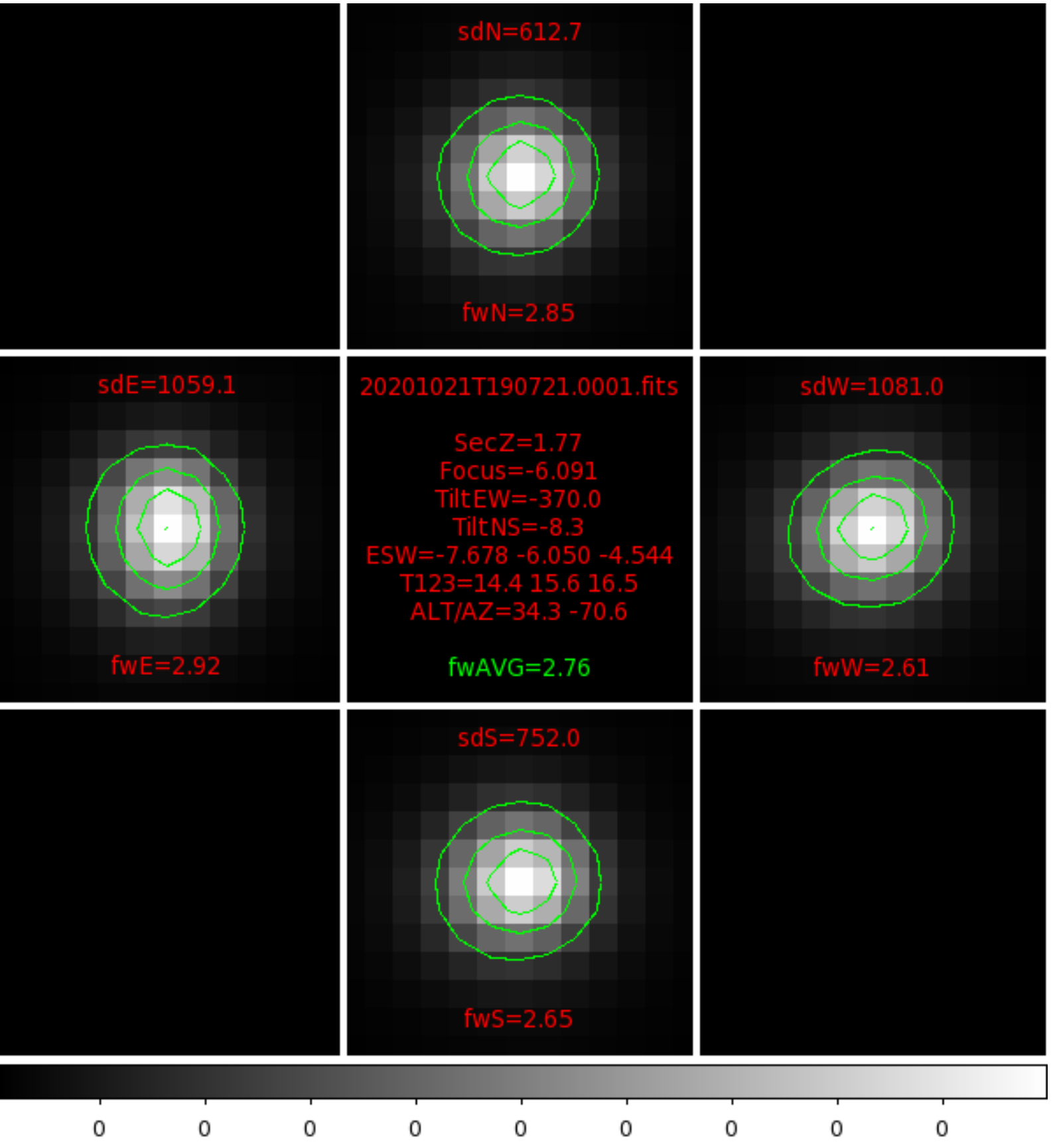
sdN=612.7
fwN=2.85
sdE=1059.1
fwE=2.92
20201021T190721.0001.fits
SecZ=1.77
Focus=-6.091
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.678 -6.050 -4.544
T123=14.4 15.6 16.5
ALT/AZ=34.3 -70.6
fwAVG=2.76
sdW=1081.0
fwW=2.61
sdS=752.0
fwS=2.65
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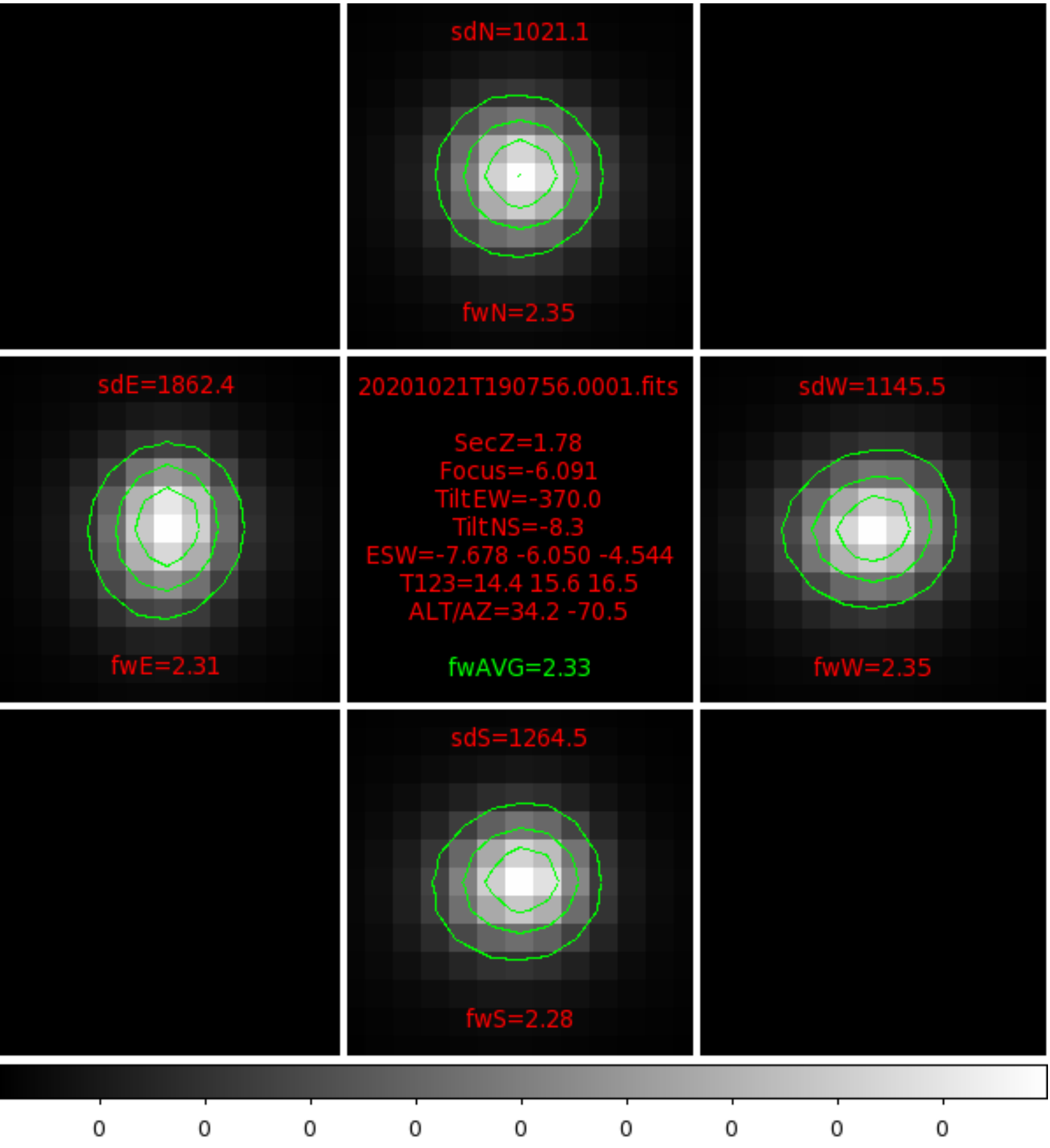
sdN=1021.1
fwN=2.35
sdE=1862.4
fwE=2.31
20201021T190756.0001.fits
SecZ=1.78
Focus=-6.091
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.678 -6.050 -4.544
T123=14.4 15.6 16.5
ALT/AZ=34.2 -70.5
fwAVG=2.33
sdW=1145.5
fwW=2.35
sdS=1264.5
fwS=2.28
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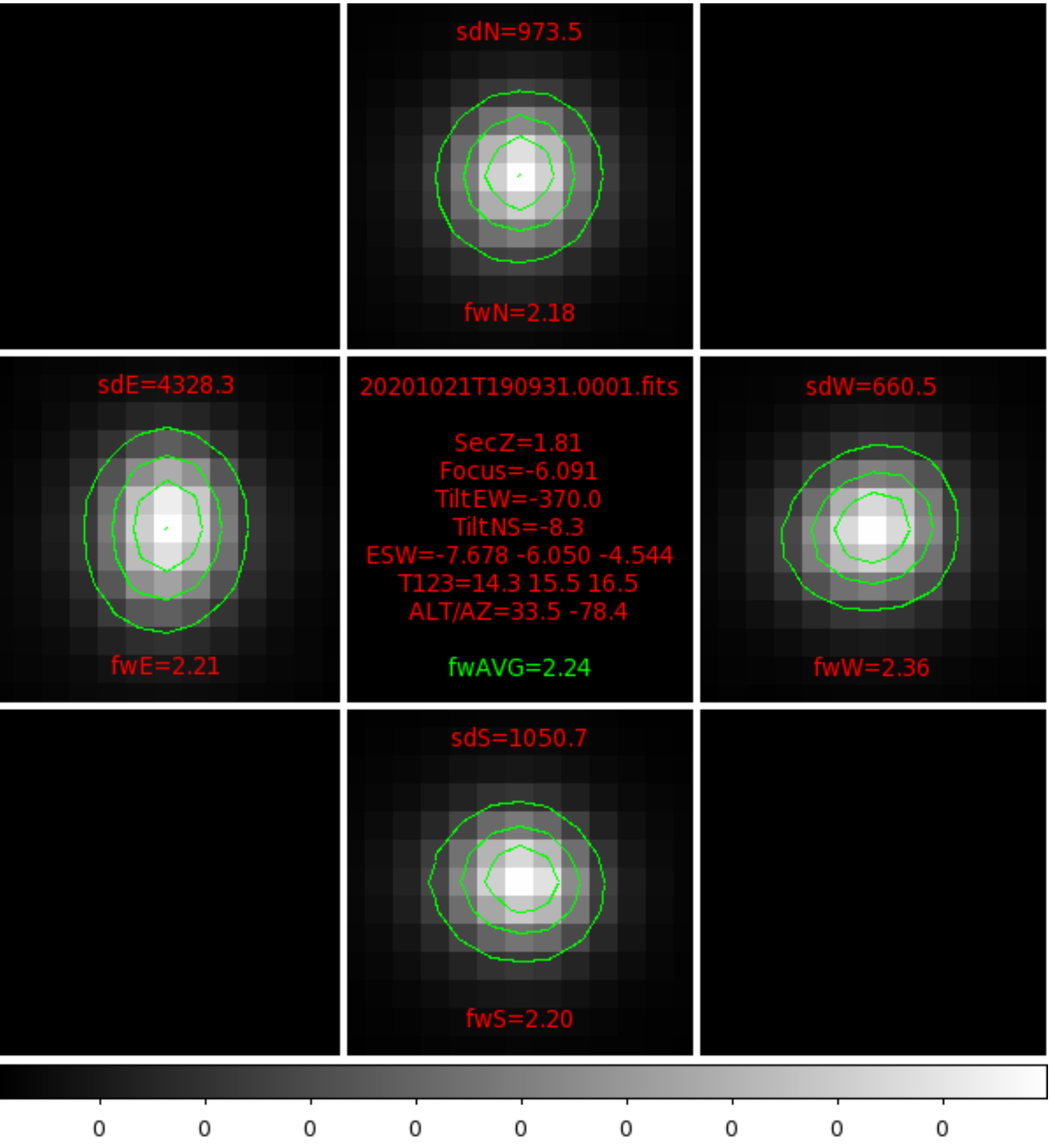
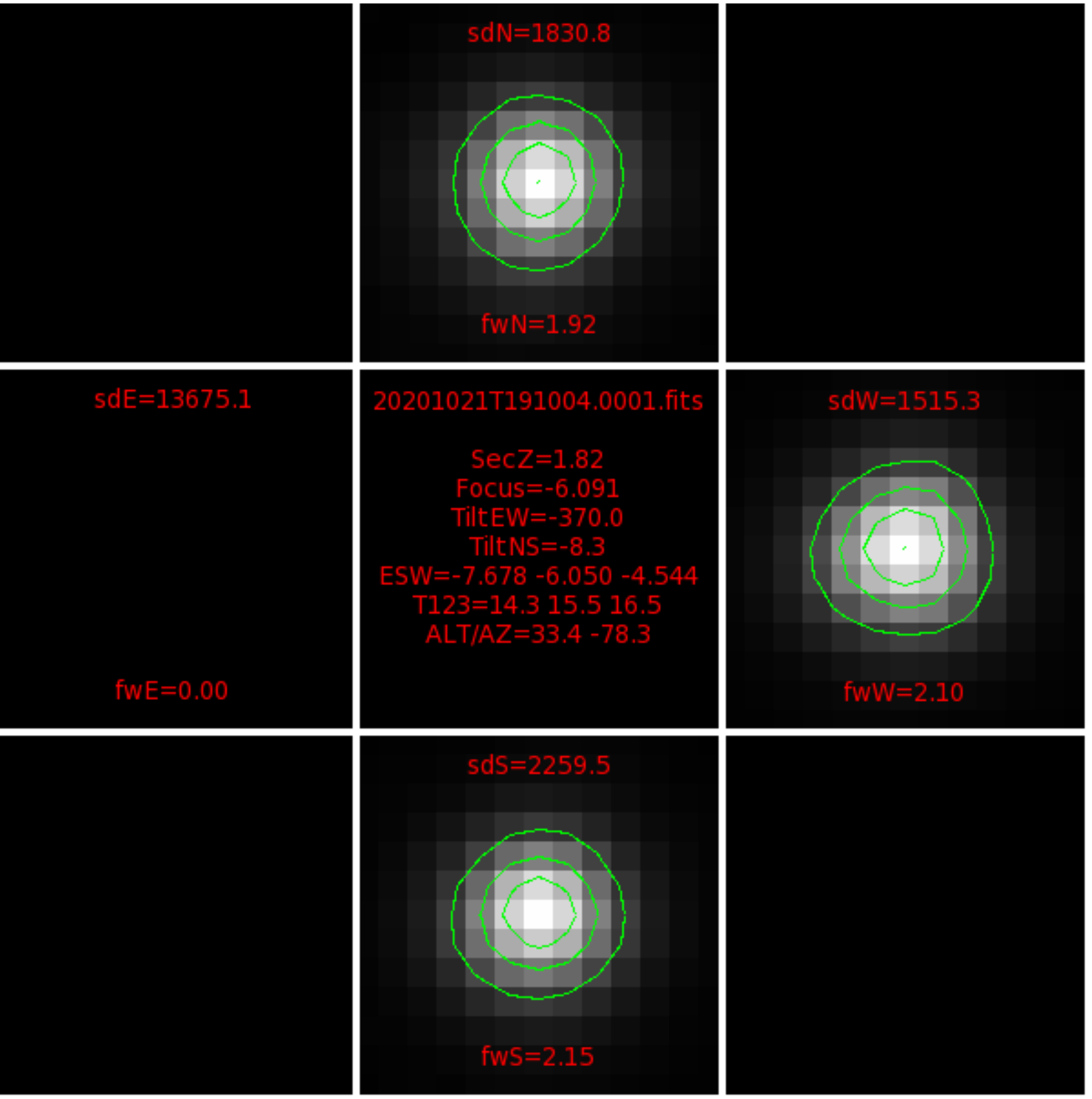
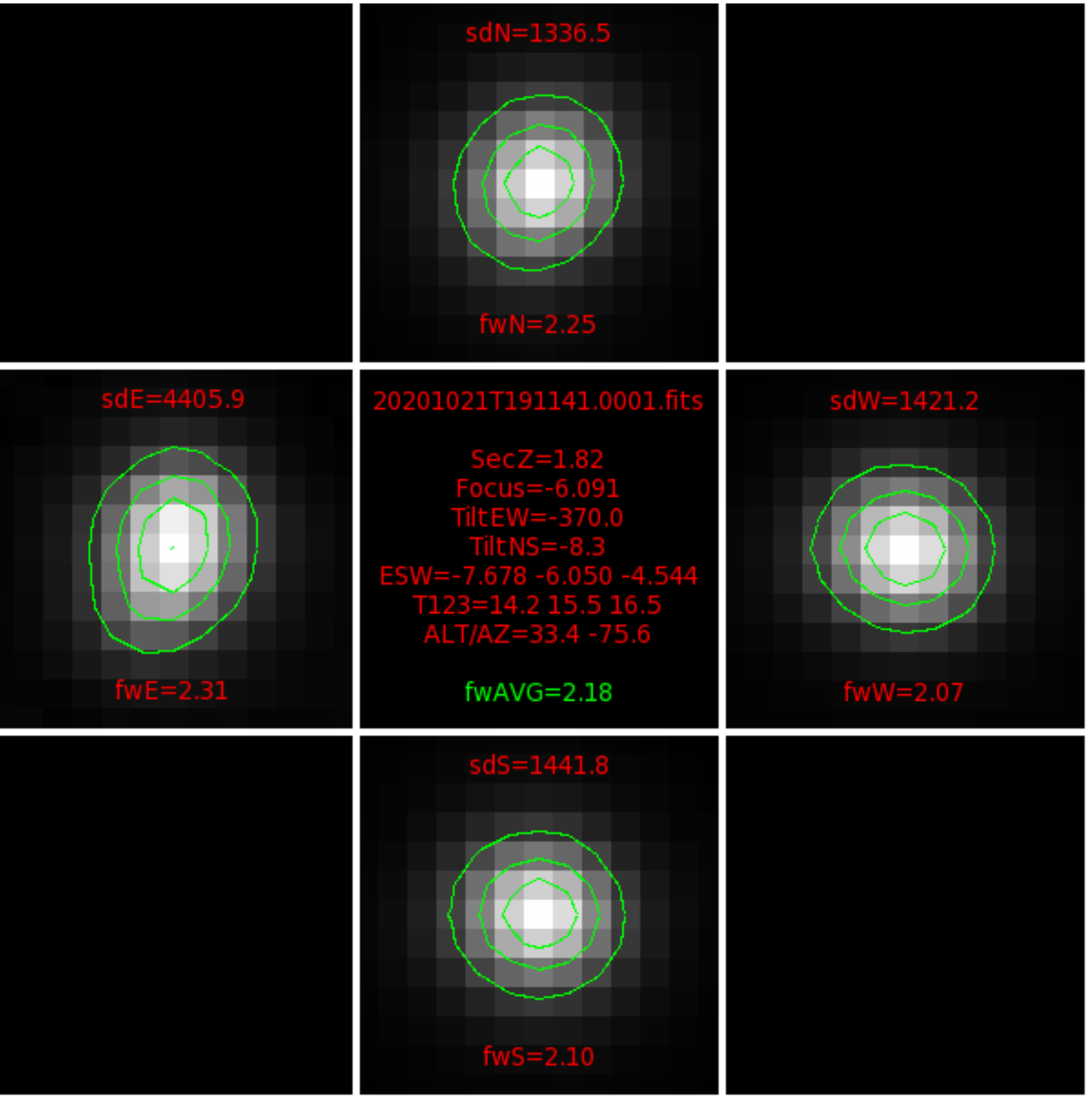

sdN=973.5
fwN=2.18
sdE=4328.3
fwE=2.21
20201021T190931.0001.fits
SecZ=1.81
Focus=-6.091
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.678 -6.050 -4.544
T123=14.3 15.5 16.5
ALT/AZ=33.5 -78.4
fwAVG=2.24
sdW=660.5
fwW=2.36
sdS=1050.7
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=1830.8
fwN=1.92
sdE=13675.1
fwE=0.00
20201021T191004.0001.fits
SecZ=1.82
Focus=-6.091
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.678 -6.050 -4.544
T123=14.3 15.5 16.5
ALT/AZ=33.4 -78.3
sdW=1515.3
fwW=2.10
sdS=2259.5
fwS=2.15
0 0 0 0 0 0 0 0 0


sdN=1336.5
fwN=2.25
sdE=4405.9
fwE=2.31
20201021T191141.0001.fits
SecZ=1.82
Focus=-6.091
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.678 -6.050 -4.544
T123=14.2 15.5 16.5
ALT/AZ=33.4 -75.6
fwAVG=2.18
sdW=1421.2
fwW=2.07
sdS=1441.8
fwS=2.10
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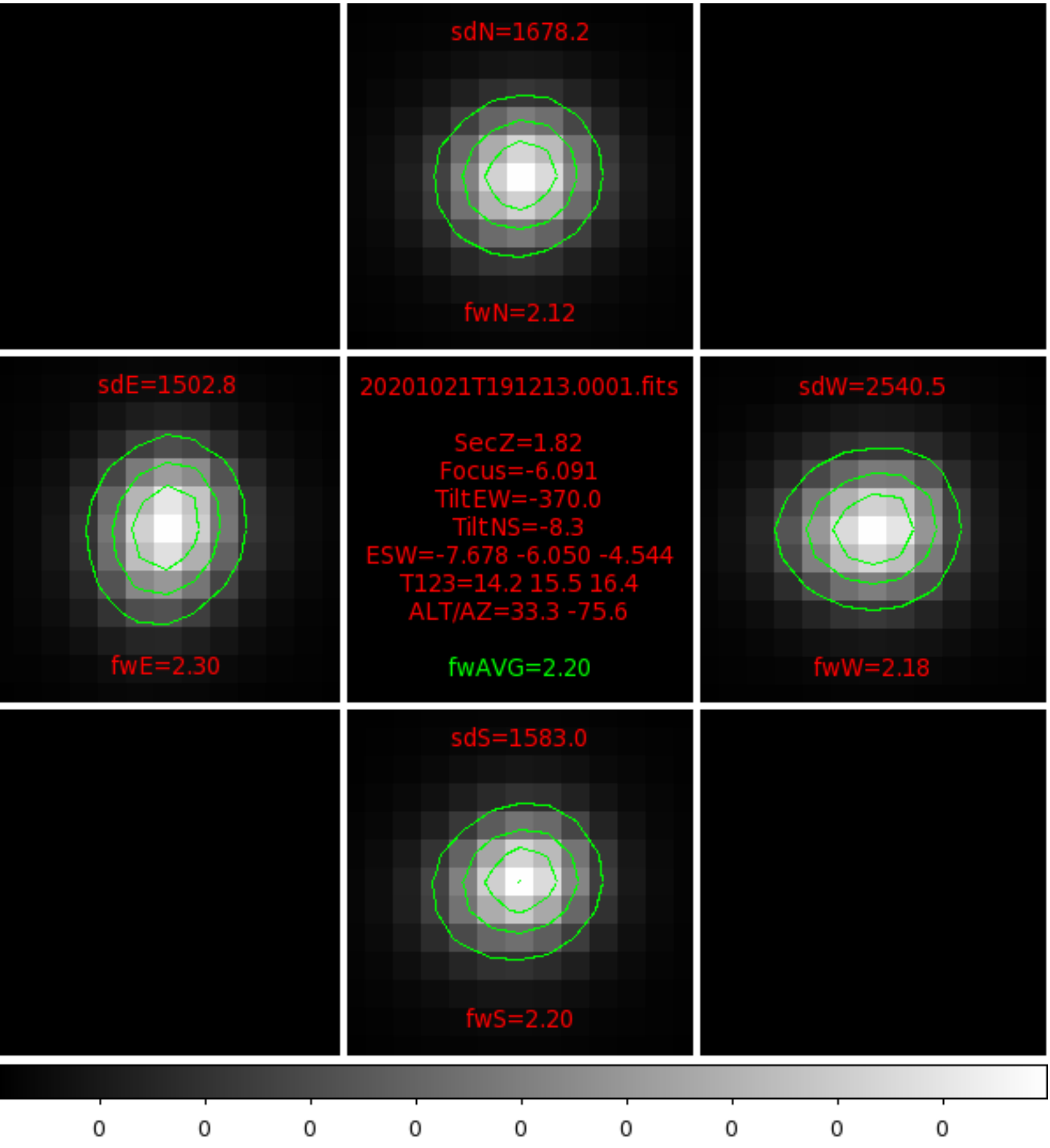
sdN=1678.2
fwN=2.12
sdE=1502.8
fwE=2.30
20201021T191213.0001.fits
SecZ=1.82
Focus=-6.091
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.678 -6.050 -4.544
T123=14.2 15.5 16.4
ALT/AZ=33.3 -75.6
fwAVG=2.20
sdW=2540.5
fwW=2.18
sdS=1583.0
fwS=2.20
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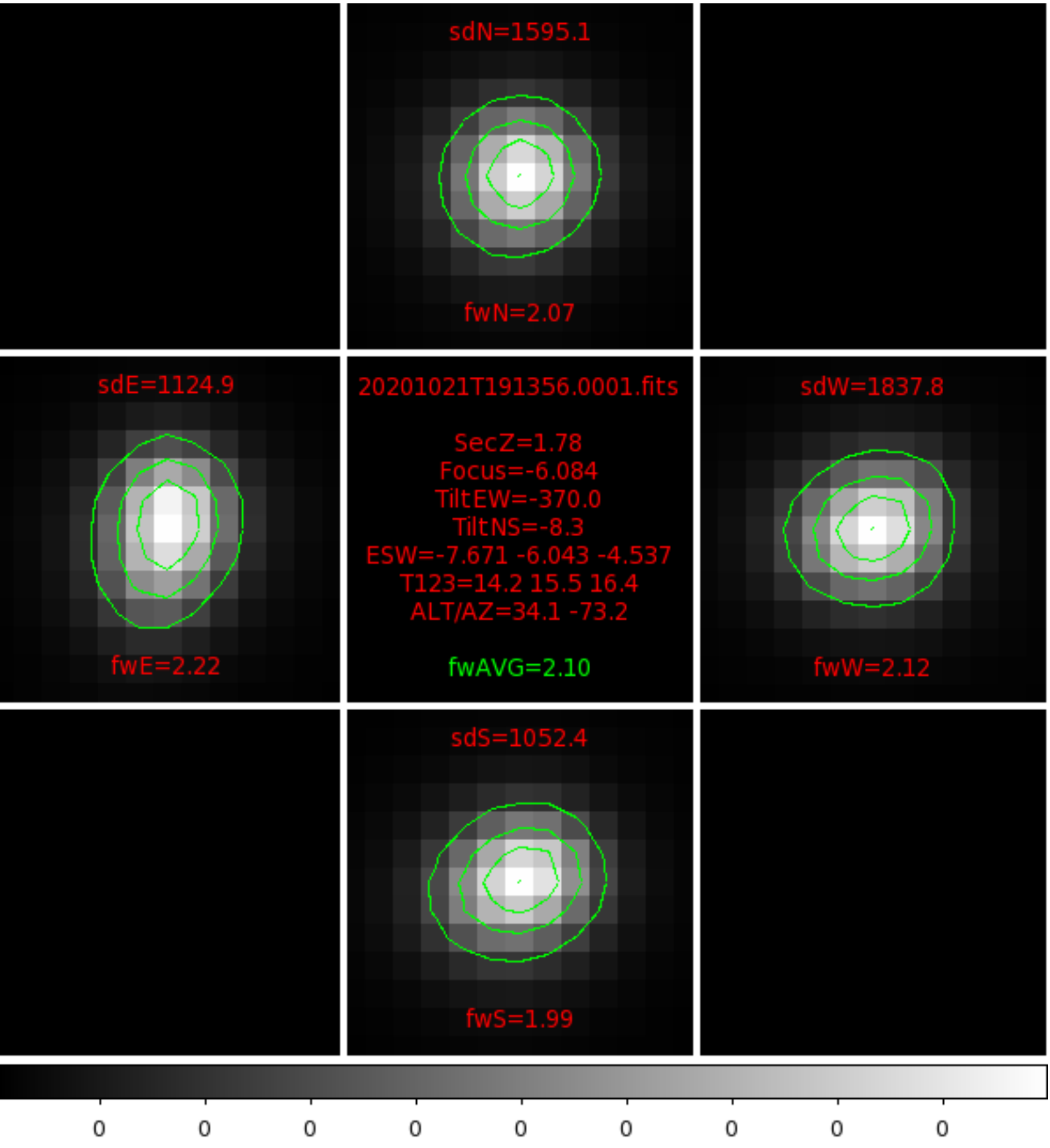
sdN=1595.1
fwN=2.07
sdE=1124.9
fwE=2.22
20201021T191356.0001.fits
SecZ=1.78
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=14.2 15.5 16.4
ALT/AZ=34.1 -73.2
fwAVG=2.10
sdW=1837.8
fwW=2.12
sdS=1052.4
fwS=1.99
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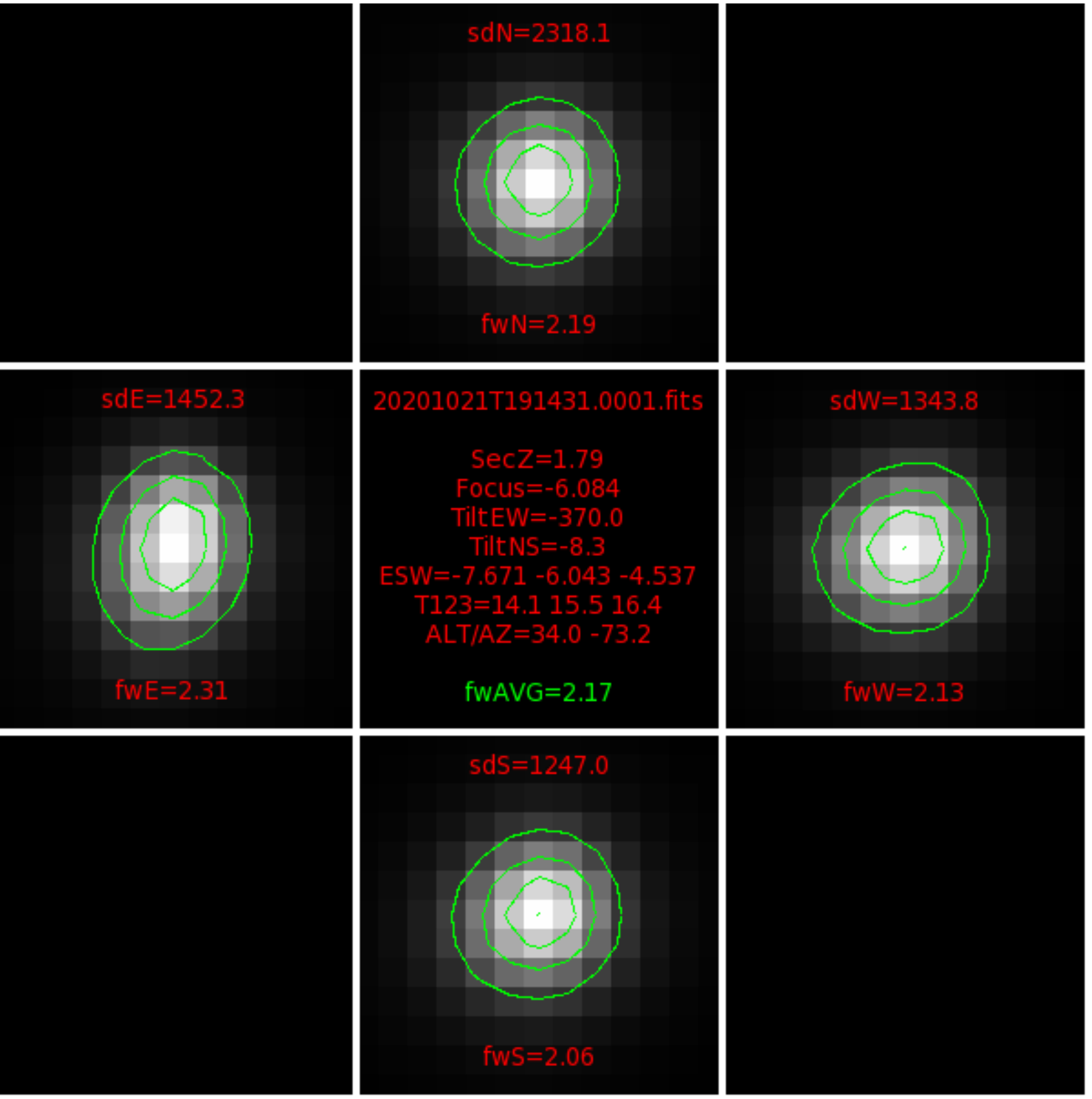
sdN=2318.1
fwN=2.19
sdE=1452.3
fwE=2.31
20201021T191431.0001.fits
SecZ=1.79
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=14.1 15.5 16.4
ALT/AZ=34.0 -73.2
fwAVG=2.17
sdW=1343.8
fwW=2.13
sdS=1247.0
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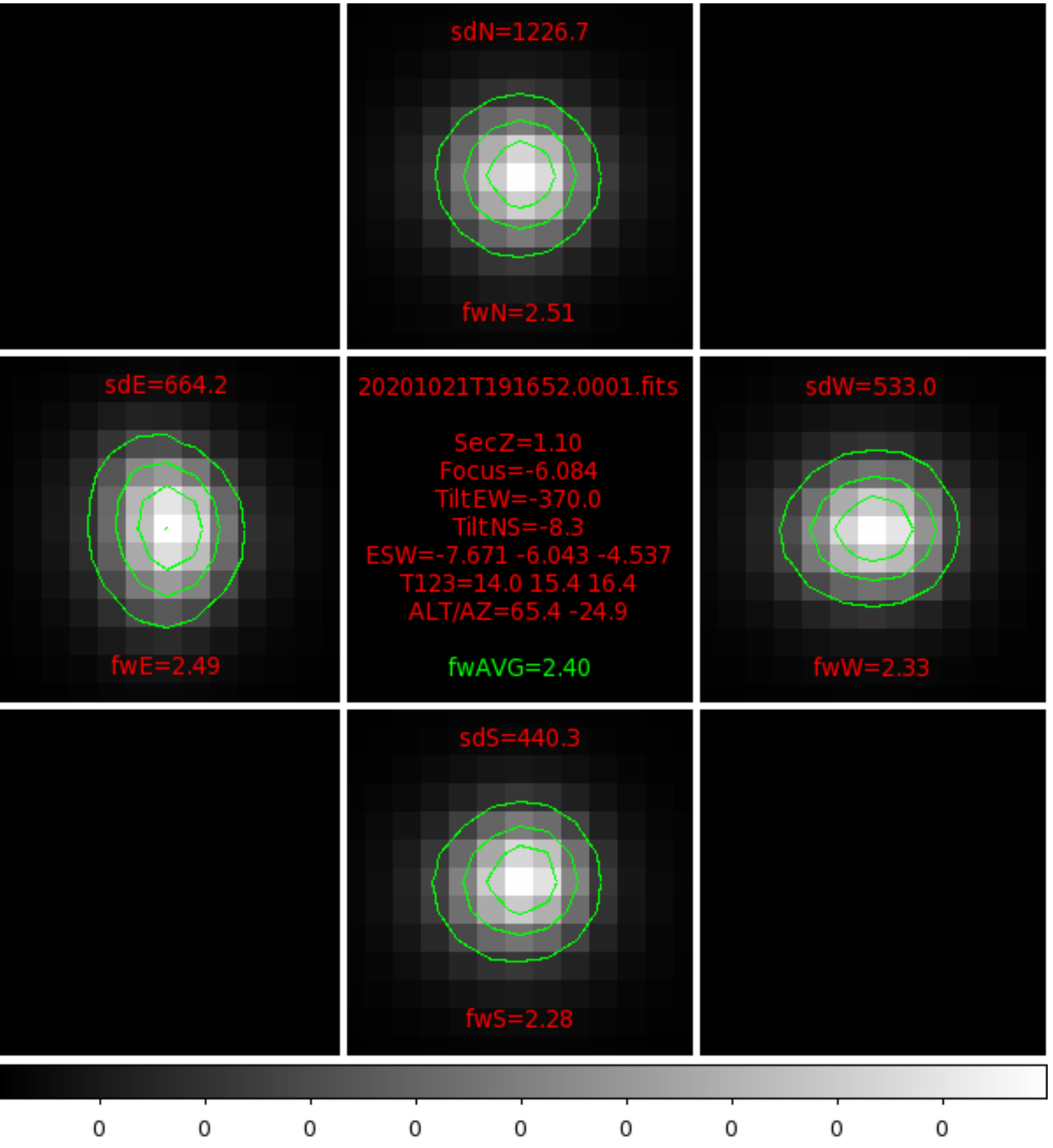
sdN=1226.7
fwN=2.51
sdE=664.2
fwE=2.49
20201021T191652.0001.fits
SecZ=1.10
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=14.0 15.4 16.4
ALT/AZ=65.4 -24.9
fwAVG=2.40
sdW=533.0
fwW=2.33
sdS=440.3
fwS=2.28
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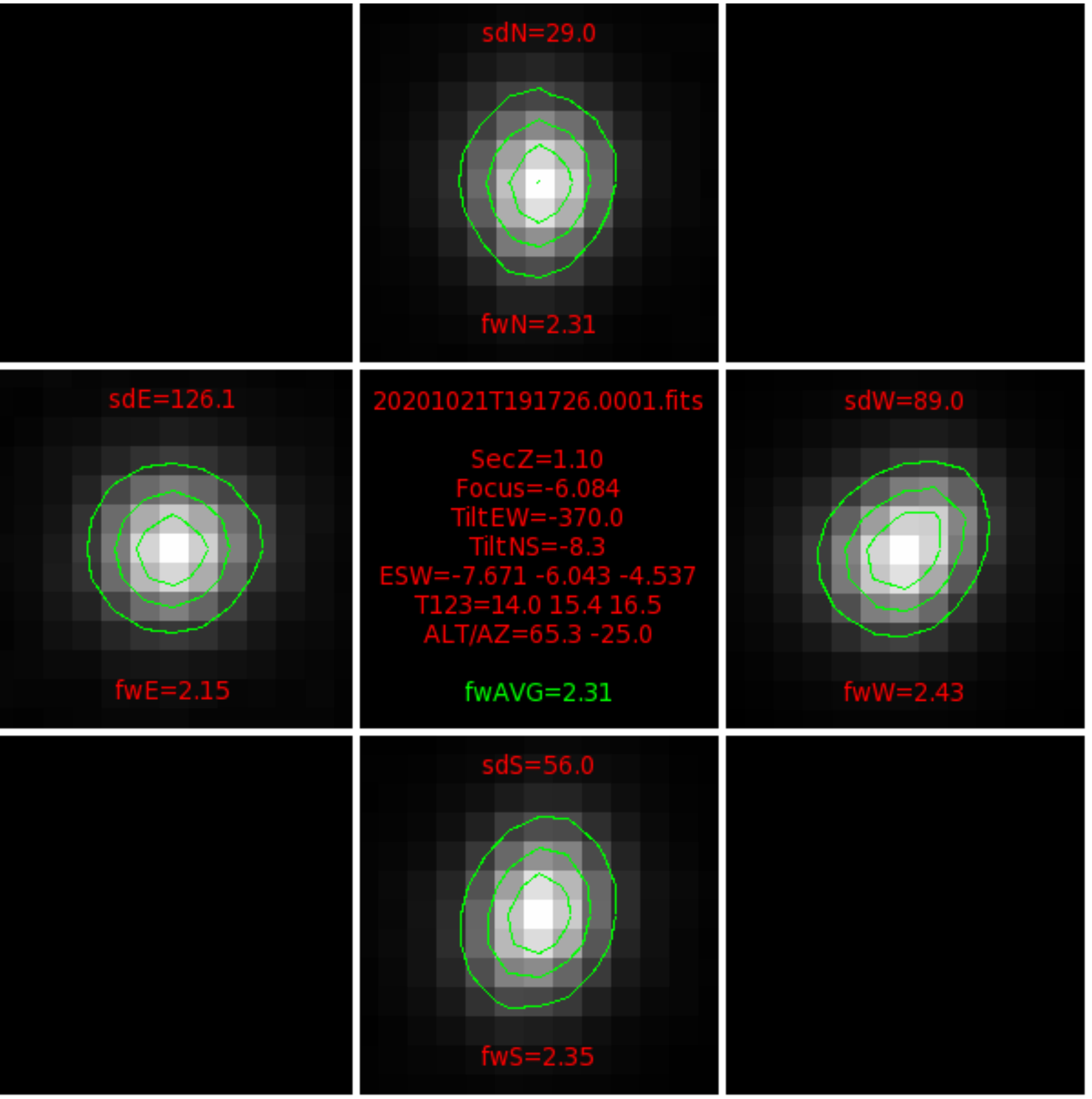
sdN=29.0
fwN=2.31
sdE=126.1
fwE=2.15
20201021T191726.0001.fits
SecZ=1.10
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=14.0 15.4 16.5
ALT/AZ=65.3 -25.0
fwAVG=2.31
sdW=89.0
fwW=2.43
sdS=56.0
fwS=2.35
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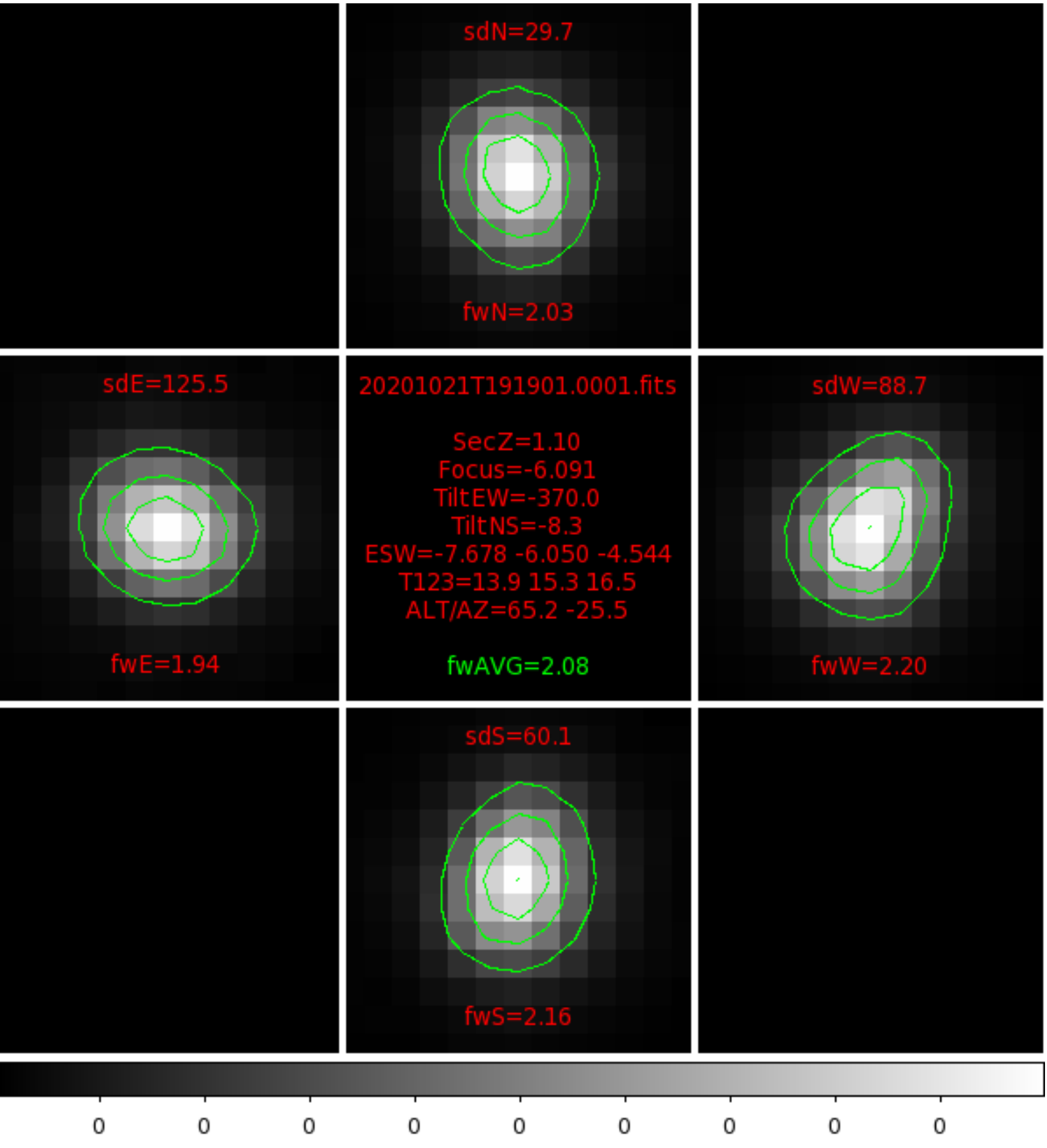
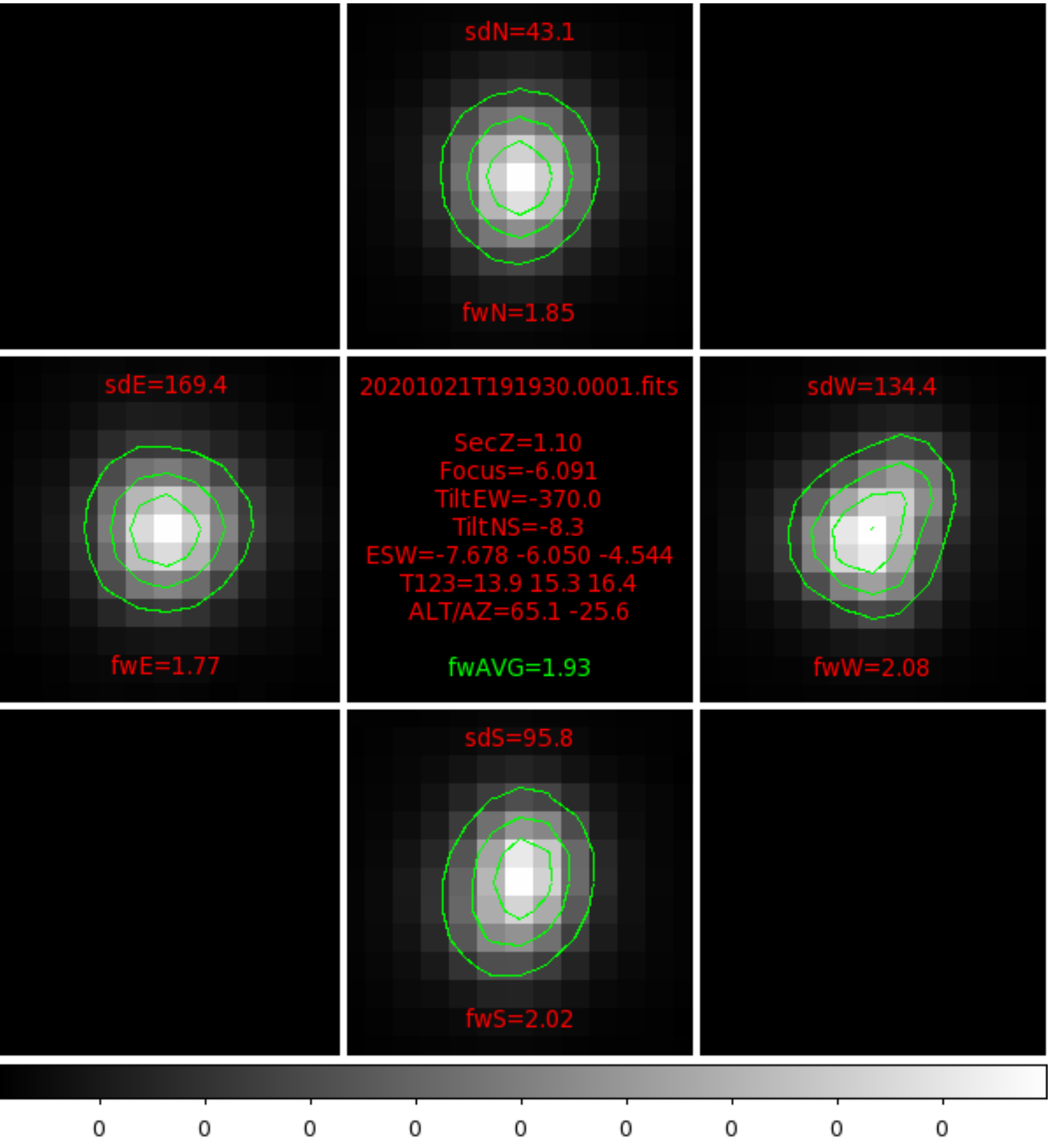

sdN=29.7
fwN=2.03
sdE=125.5
fwE=1.94
20201021T191901.0001.fits
SecZ=1.10
Focus=-6.091
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.678 -6.050 -4.544
T123=13.9 15.3 16.5
ALT/AZ=65.2 -25.5
fwAVG=2.08
sdW=88.7
fwW=2.20
sdS=60.1
fwS=2.16
0 0 0 0 0 0 0 0 0


sdN=43.1
fwN=1.85
sdE=169.4
fwE=1.77
20201021T191930.0001.fits
SecZ=1.10
Focus=-6.091
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.678 -6.050 -4.544
T123=13.9 15.3 16.4
ALT/AZ=65.1 -25.6
fwAVG=1.93
sdW=134.4
fwW=2.08
sdS=95.8
fwS=2.02
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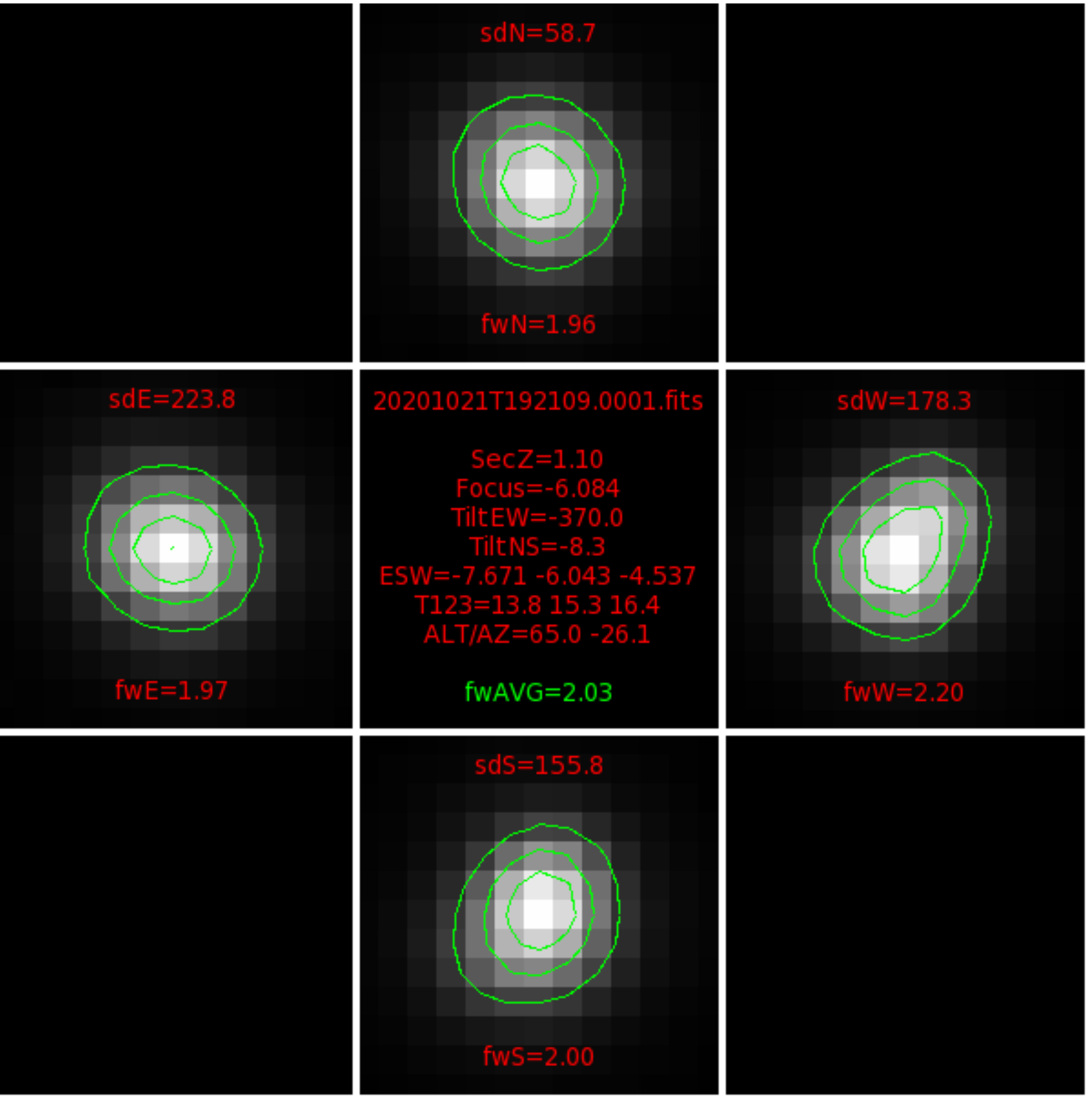
sdN=58.7
fwN=1.96
sdE=223.8
fwE=1.97
20201021T192109.0001.fits
SecZ=1.10
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=13.8 15.3 16.4
ALT/AZ=65.0 -26.1
fwAVG=2.03
sdW=178.3
fwW=2.20
sdS=155.8
fwS=2.00
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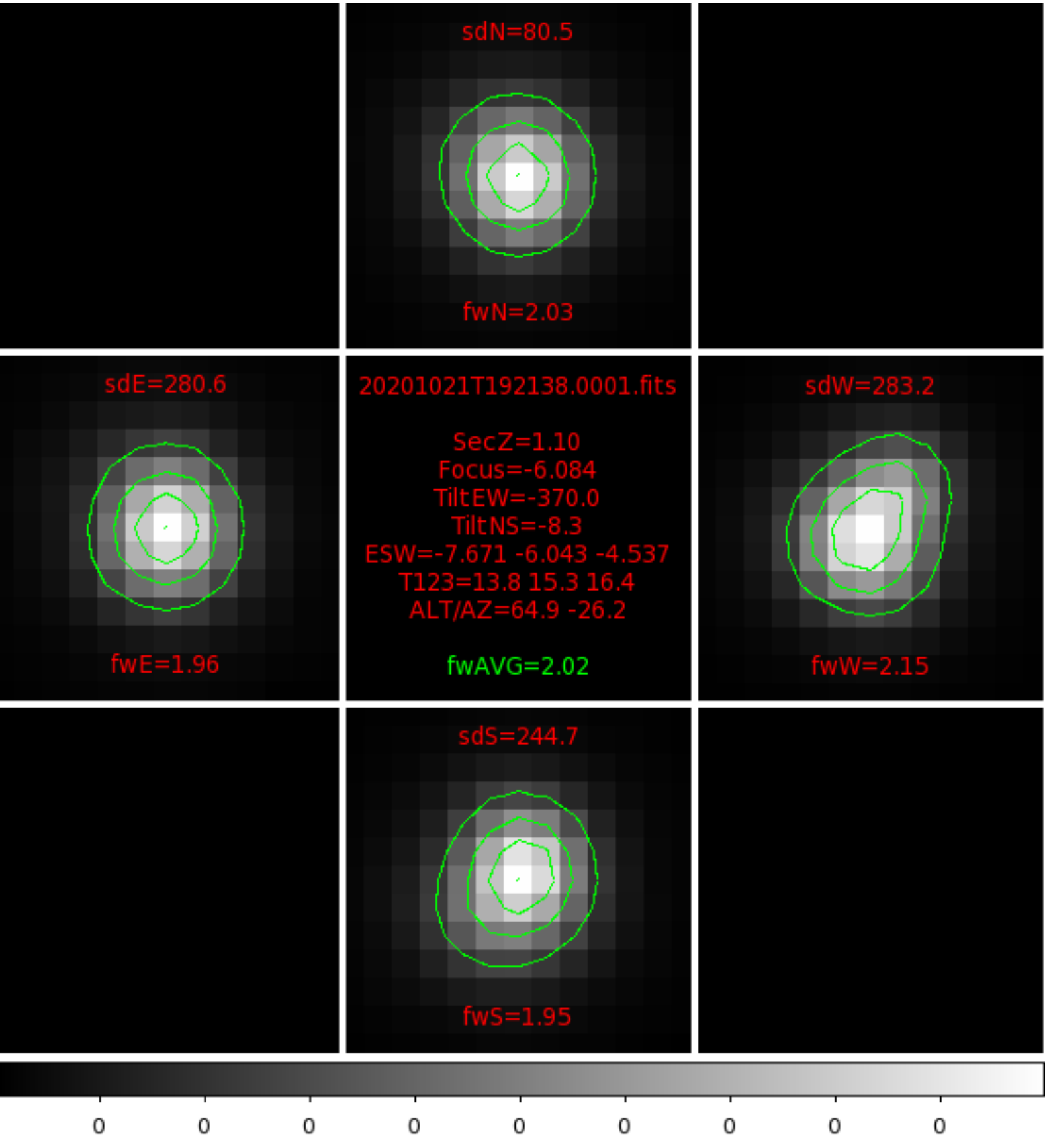
sdN=80.5
fwN=2.03
sdE=280.6
fwE=1.96
20201021T192138.0001.fits
SecZ=1.10
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=13.8 15.3 16.4
ALT/AZ=64.9 -26.2
fwAVG=2.02
sdW=283.2
fwW=2.15
sdS=244.7
fwS=1.95
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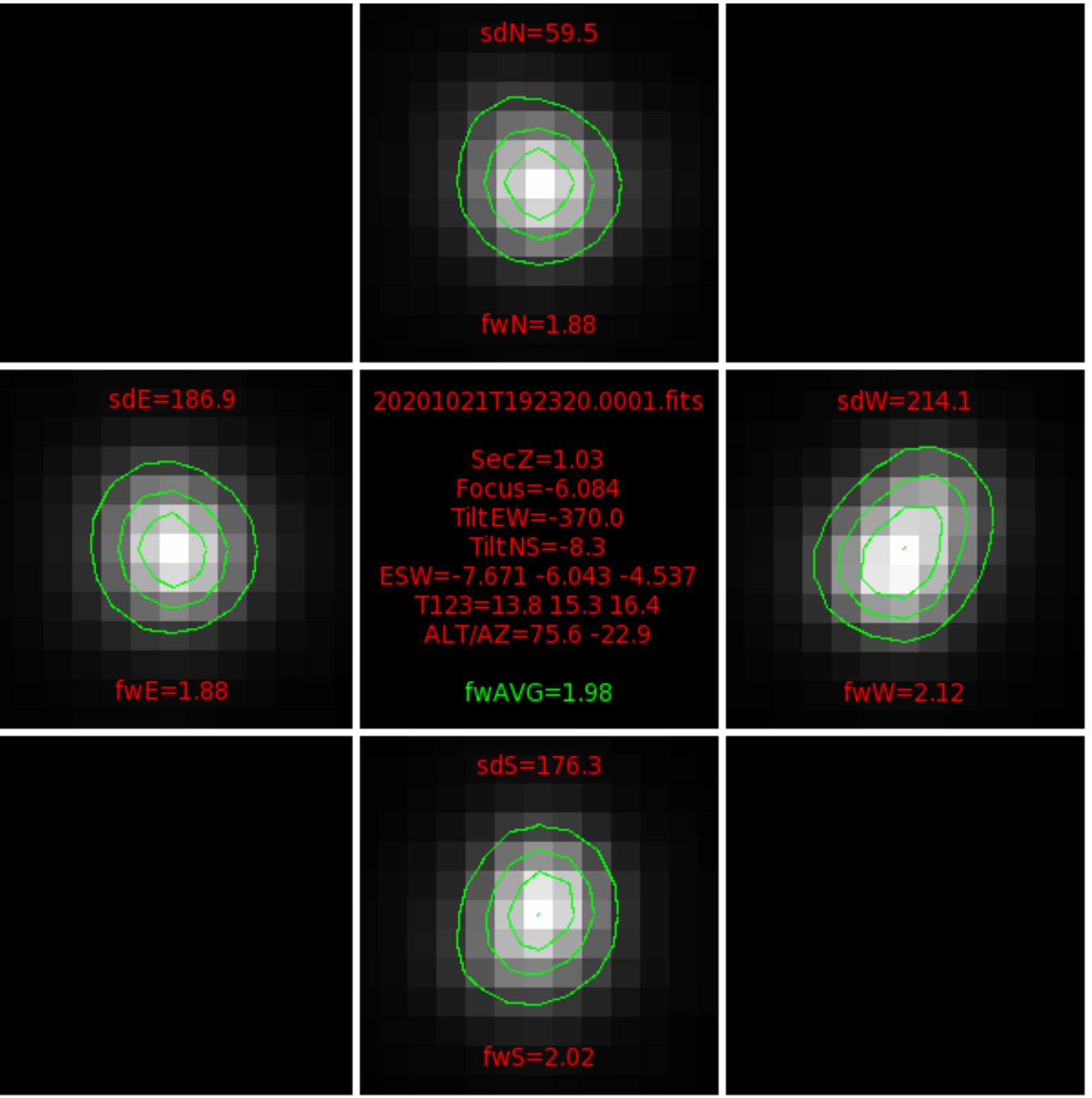
sdN=59.5
fwN=1.88
sdE=186.9
fwE=1.88
20201021T192320.0001.fits
SecZ=1.03
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=13.8 15.3 16.4
ALT/AZ=75.6 -22.9
fwAVG=1.98
sdW=214.1
fwW=2.12
sdS=176.3
fwS=2.02
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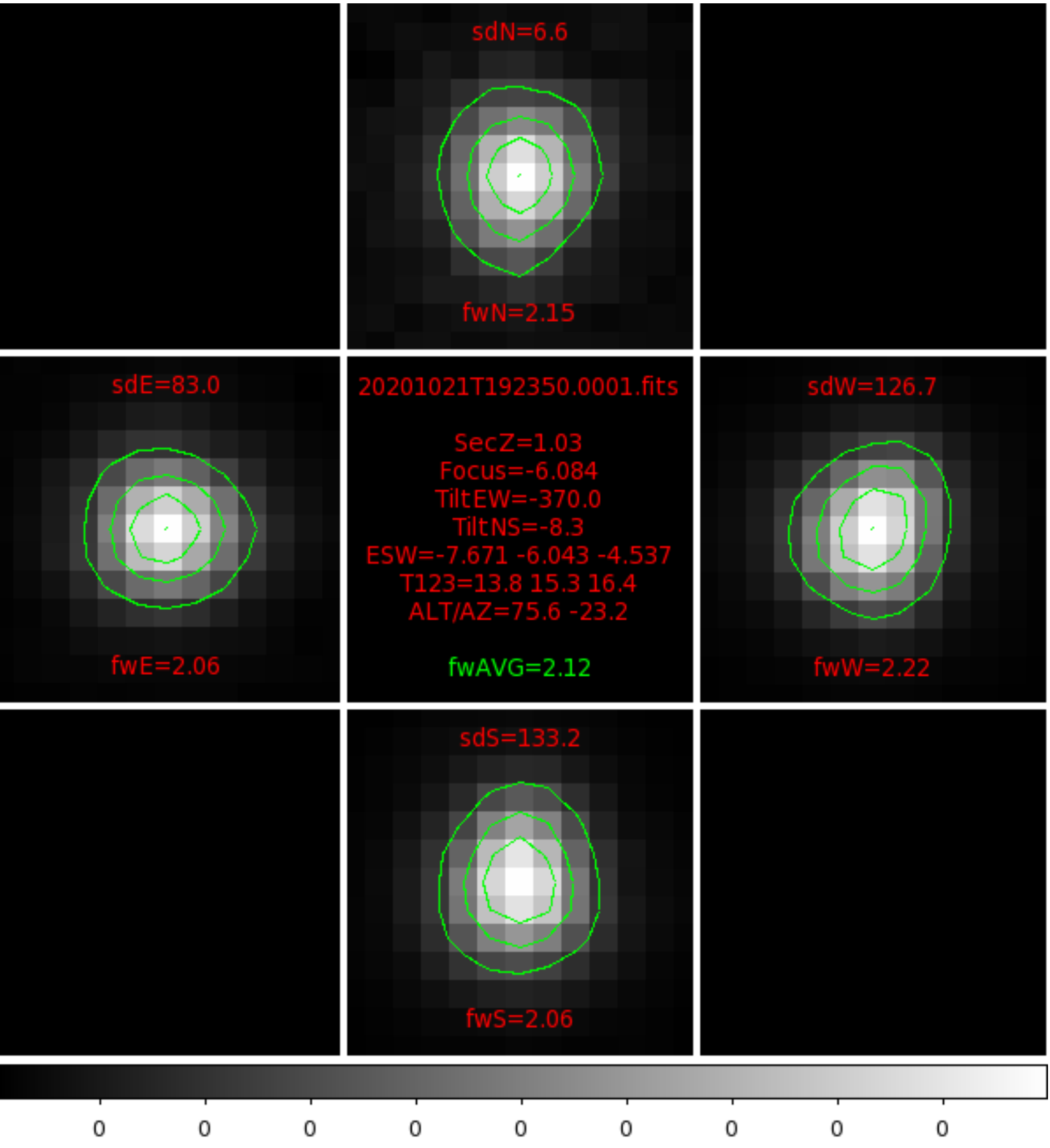
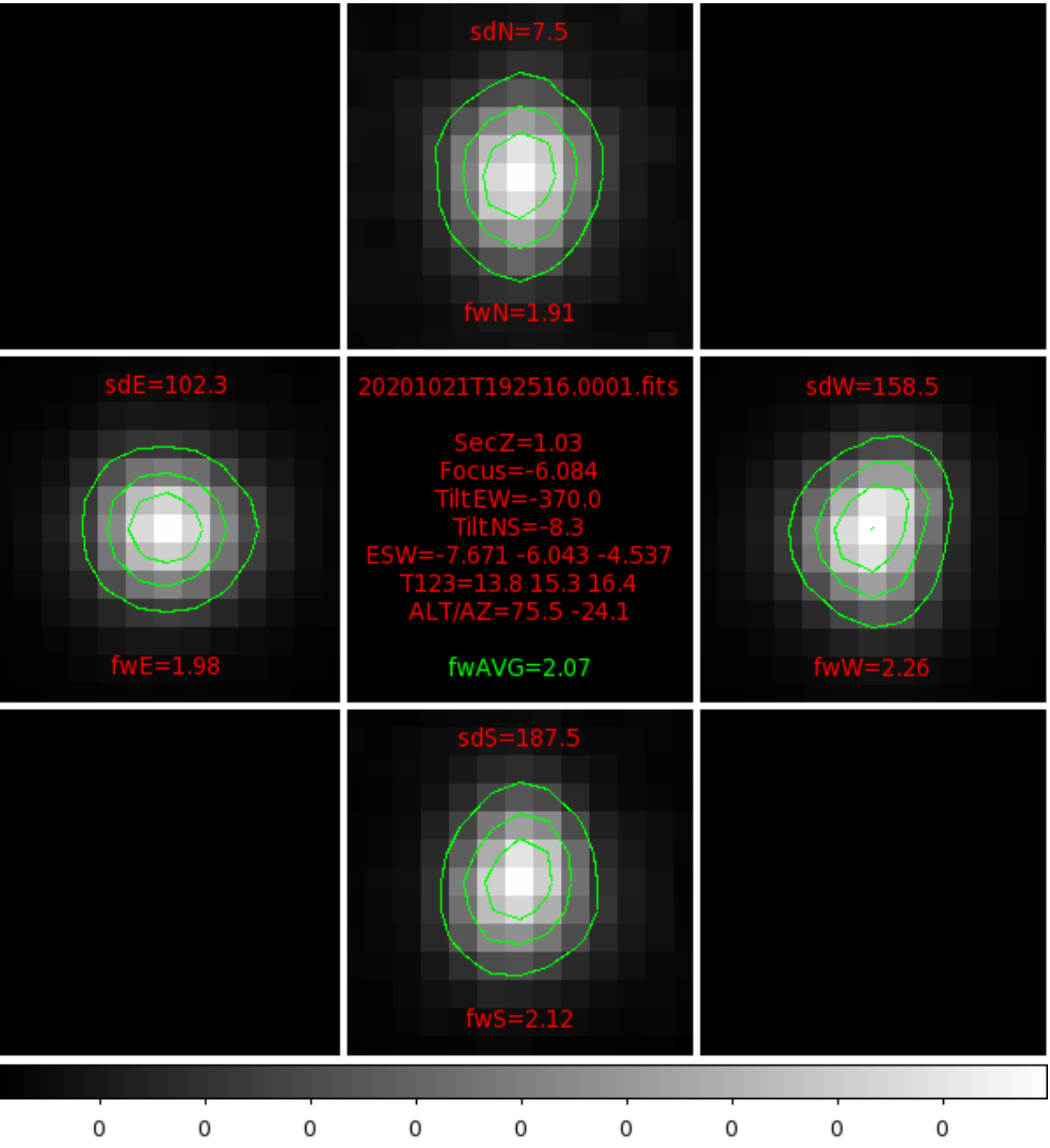

sdN=6.6
fwN=2.15
sdE=83.0
fwE=2.06
20201021T192350.0001.fits
SecZ=1.03
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=13.8 15.3 16.4
ALT/AZ=75.6 -23.2
fwAVG=2.12
sdW=126.7
fwW=2.22
sdS=133.2
fwS=2.06
0 0 0 0 0 0 0 0 0


sdN=7.5
fwN=1.91
sdE=102.3
fwE=1.98
20201021T192516.0001.fits
SecZ=1.03
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=13.8 15.3 16.4
ALT/AZ=75.5 -24.1
fwAVG=2.07
sdW=158.5
fwW=2.26
sdS=187.5
fwS=2.12
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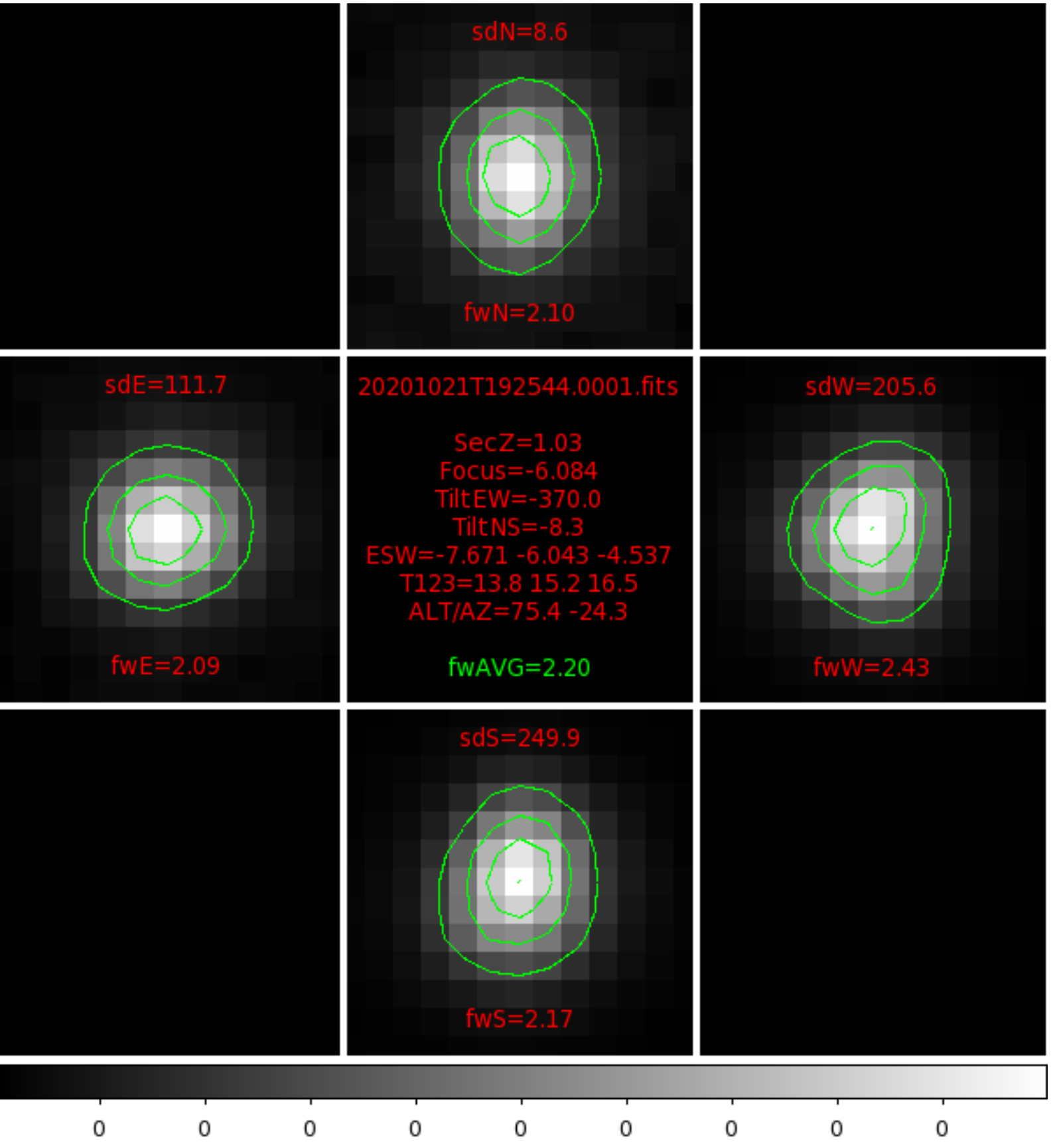
sdN=8.6
fwN=2.10
sdE=111.7
fwE=2.09
20201021T192544.0001.fits
SecZ=1.03
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=13.8 15.2 16.5
ALT/AZ=75.4 -24.3
fwAVG=2.20
sdW=205.6
fwW=2.43
sdS=249.9
fwS=2.17
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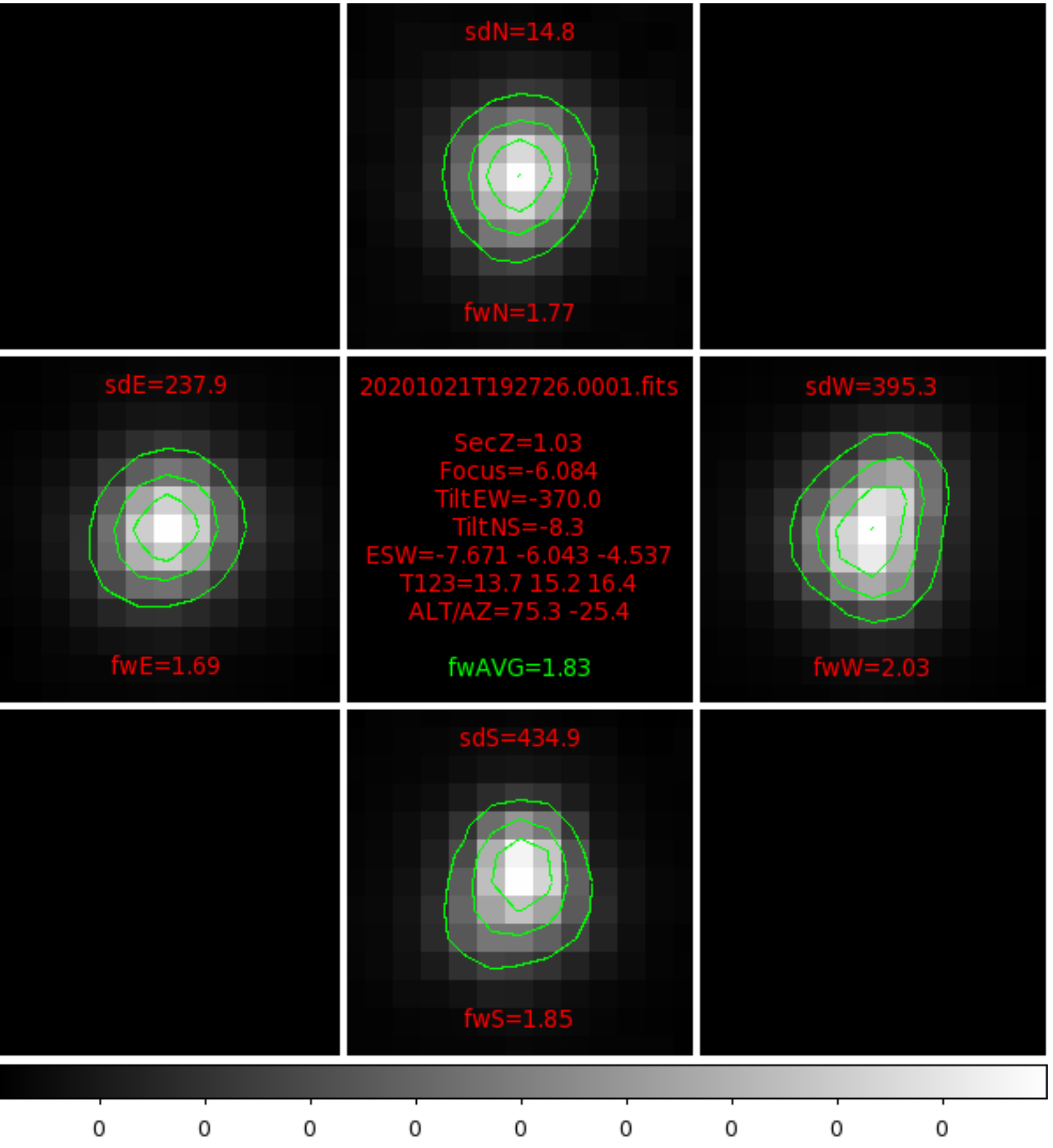
sdN=14.8
fwN=1.77
sdE=237.9
fwE=1.69
20201021T192726.0001.fits
SecZ=1.03
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=13.7 15.2 16.4
ALT/AZ=75.3 -25.4
fwAVG=1.83
sdW=395.3
fwW=2.03
sdS=434.9
fwS=1.85
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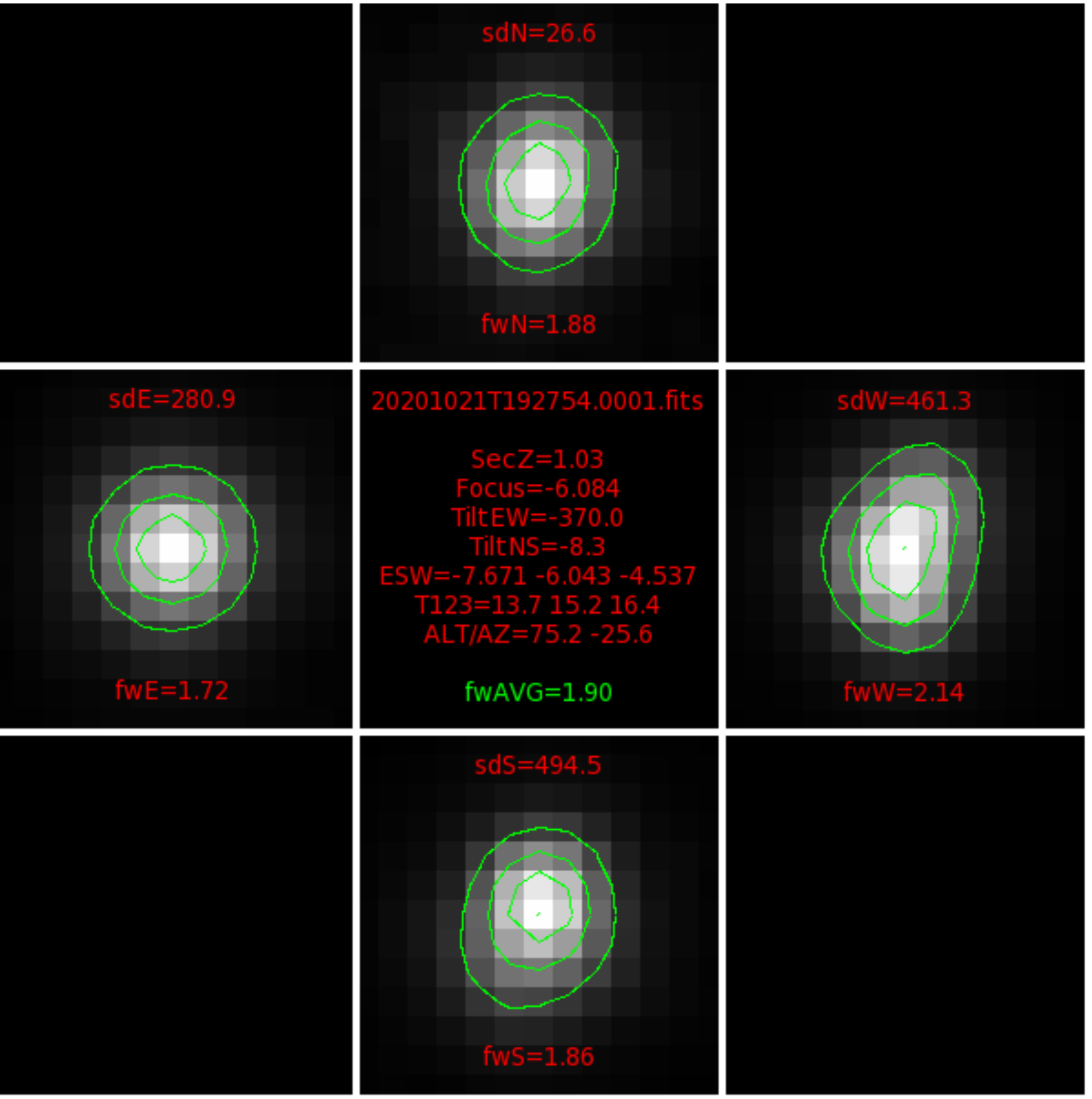
sdN=26.6
fwN=1.88
sdE=280.9
fwE=1.72
20201021T192754.0001.fits
SecZ=1.03
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=13.7 15.2 16.4
ALT/AZ=75.2 -25.6
fwAVG=1.90
sdW=461.3
fwW=2.14
sdS=494.5
fwS=1.86
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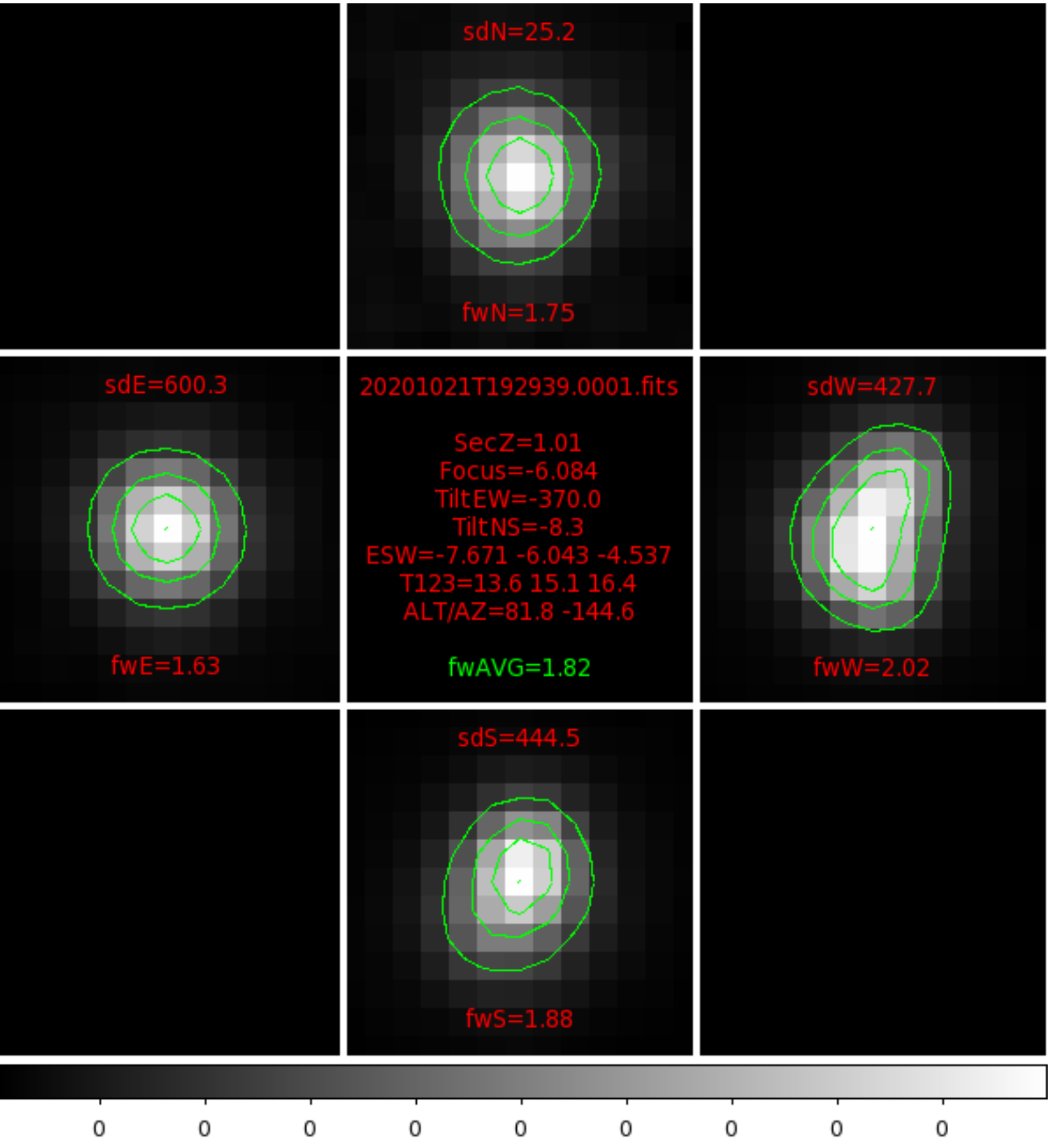
sdN=25.2
fwN=1.75
sdE=600.3
fwE=1.63
20201021T192939.0001.fits
SecZ=1.01
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=13.6 15.1 16.4
ALT/AZ=81.8 -144.6
fwAVG=1.82
sdW=427.7
fwW=2.02
sdS=444.5
fwS=1.88
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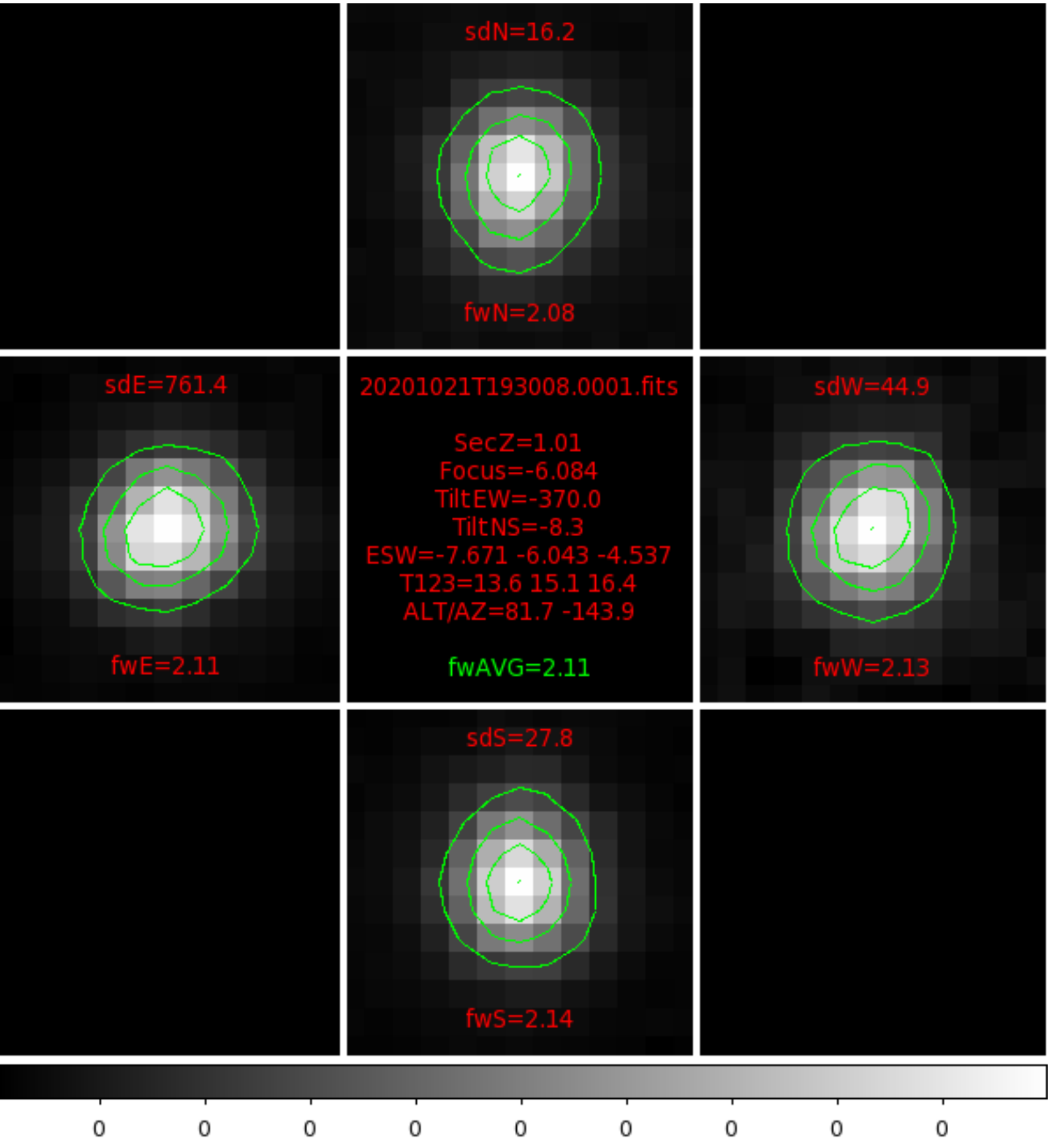
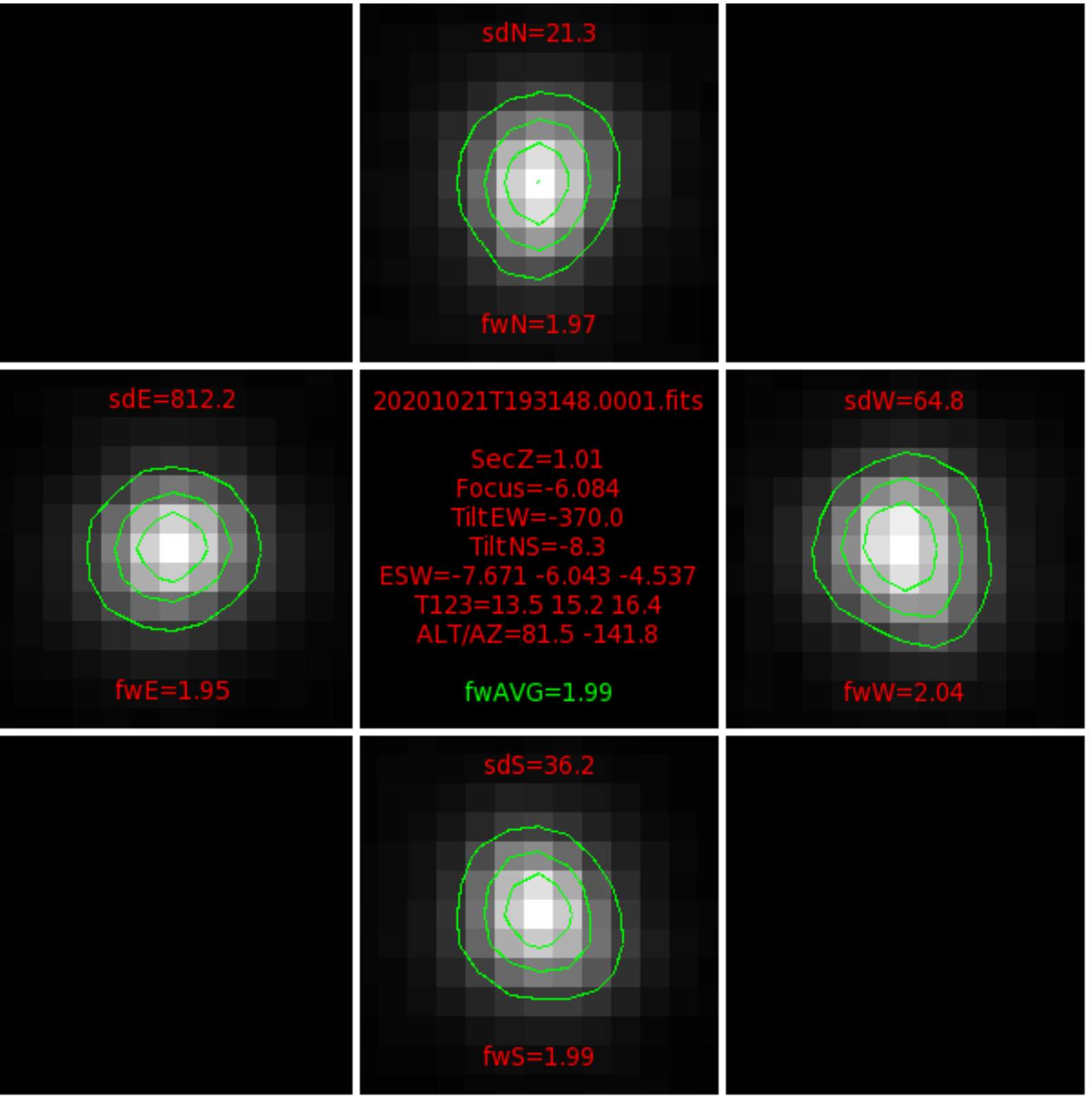

sdN=16.2
fwN=2.08
sdE=761.4
fwE=2.11
20201021T193008.0001.fits
SecZ=1.01
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=13.6 15.1 16.4
ALT/AZ=81.7 -143.9
fwAVG=2.11
sdW=44.9
fwW=2.13
sdS=27.8
fwS=2.14
0 0 0 0 0 0 0 0 0


sdN=21.3
fwN=1.97
sdE=812.2
fwE=1.95
20201021T193148.0001.fits
SecZ=1.01
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=13.5 15.2 16.4
ALT/AZ=81.5 -141.8
fwAVG=1.99
sdW=64.8
fwW=2.04
sdS=36.2
fwS=1.99
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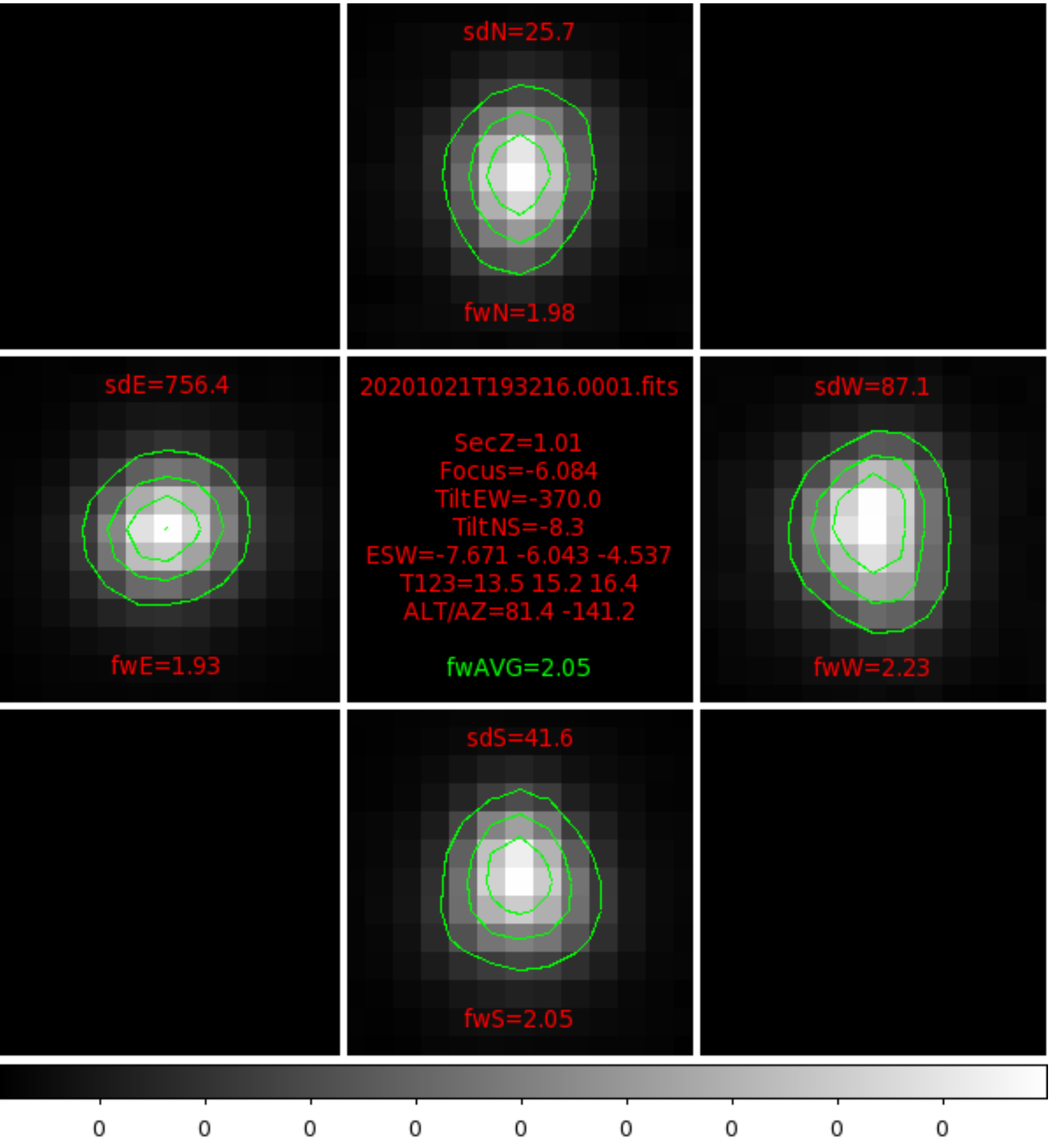
sdN=25.7
fwN=1.98
sdE=756.4
fwE=1.93
20201021T193216.0001.fits
SecZ=1.01
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=13.5 15.2 16.4
ALT/AZ=81.4 -141.2
fwAVG=2.05
sdW=87.1
fwW=2.23
sdS=41.6
fwS=2.05
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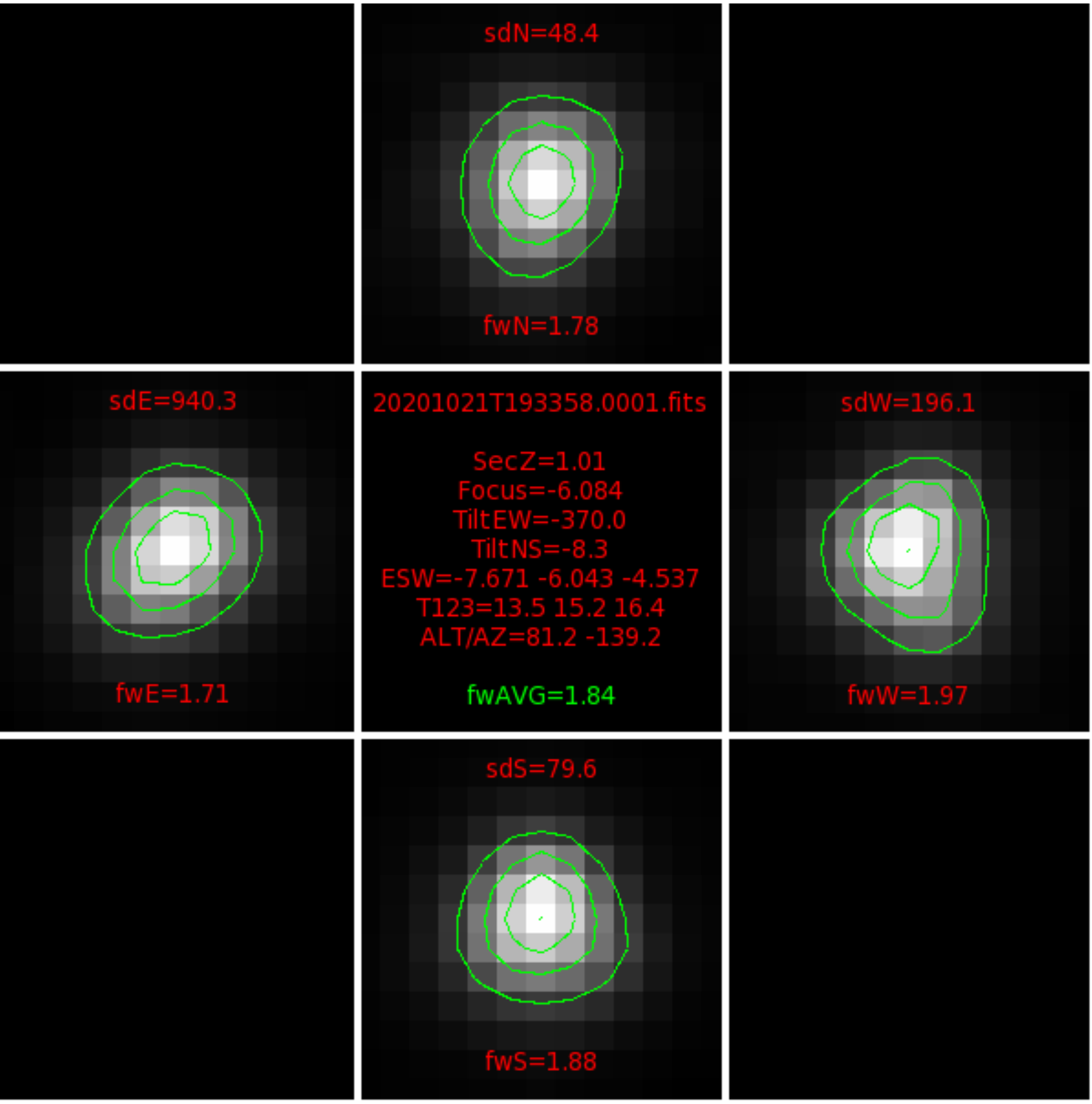
sdN=48.4
fwN=1.78
sdE=940.3
fwE=1.71
20201021T193358.0001.fits
SecZ=1.01
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=13.5 15.2 16.4
ALT/AZ=81.2 -139.2
fwAVG=1.84
sdW=196.1
fwW=1.97
sdS=79.6
fwS=1.88
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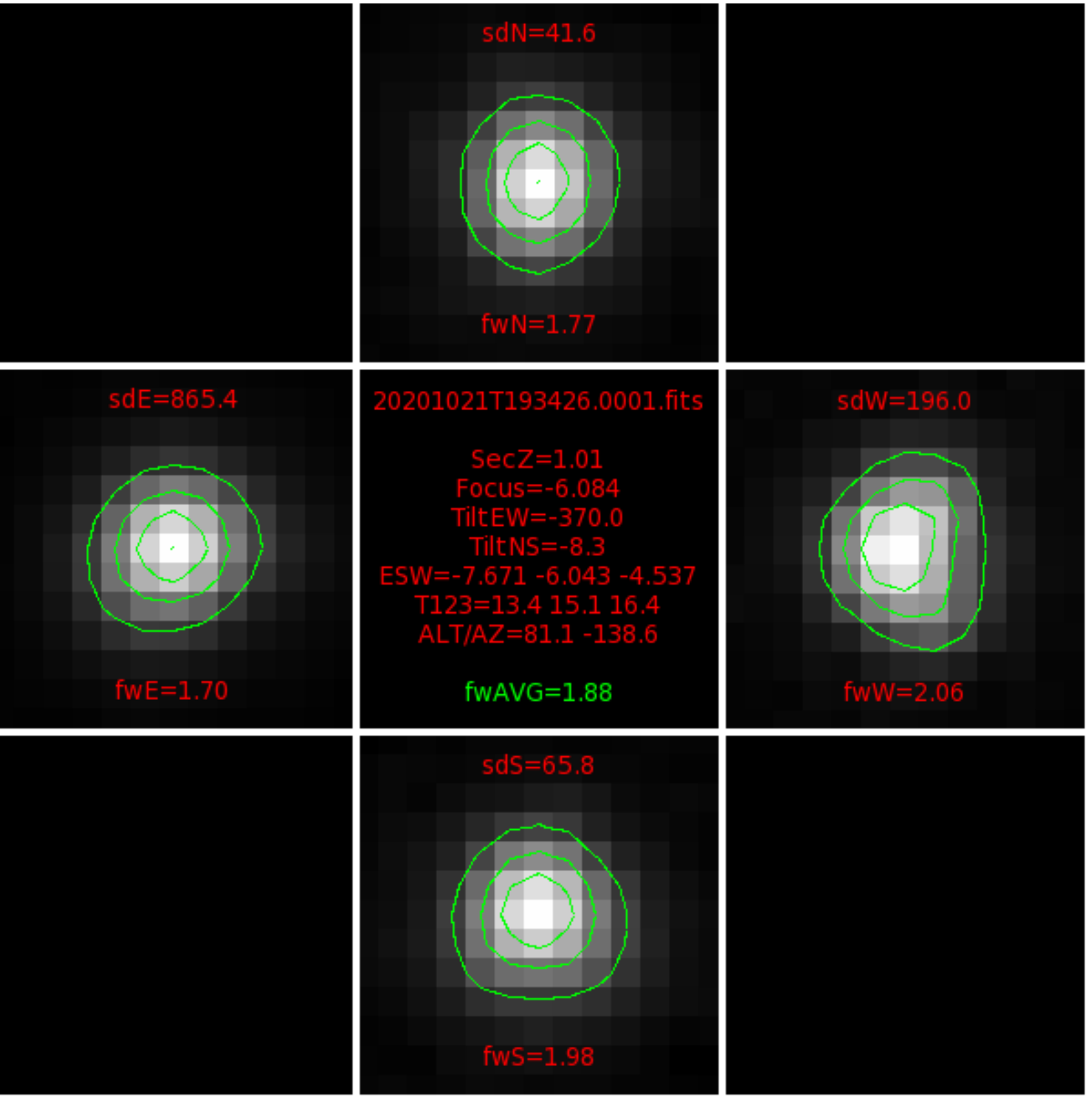
sdN=41.6
fwN=1.77
sdE=865.4
fwE=1.70
20201021T193426.0001.fits
SecZ=1.01
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=13.4 15.1 16.4
ALT/AZ=81.1 -138.6
fwAVG=1.88
sdW=196.0
fwW=2.06
sdS=65.8
fwS=1.98
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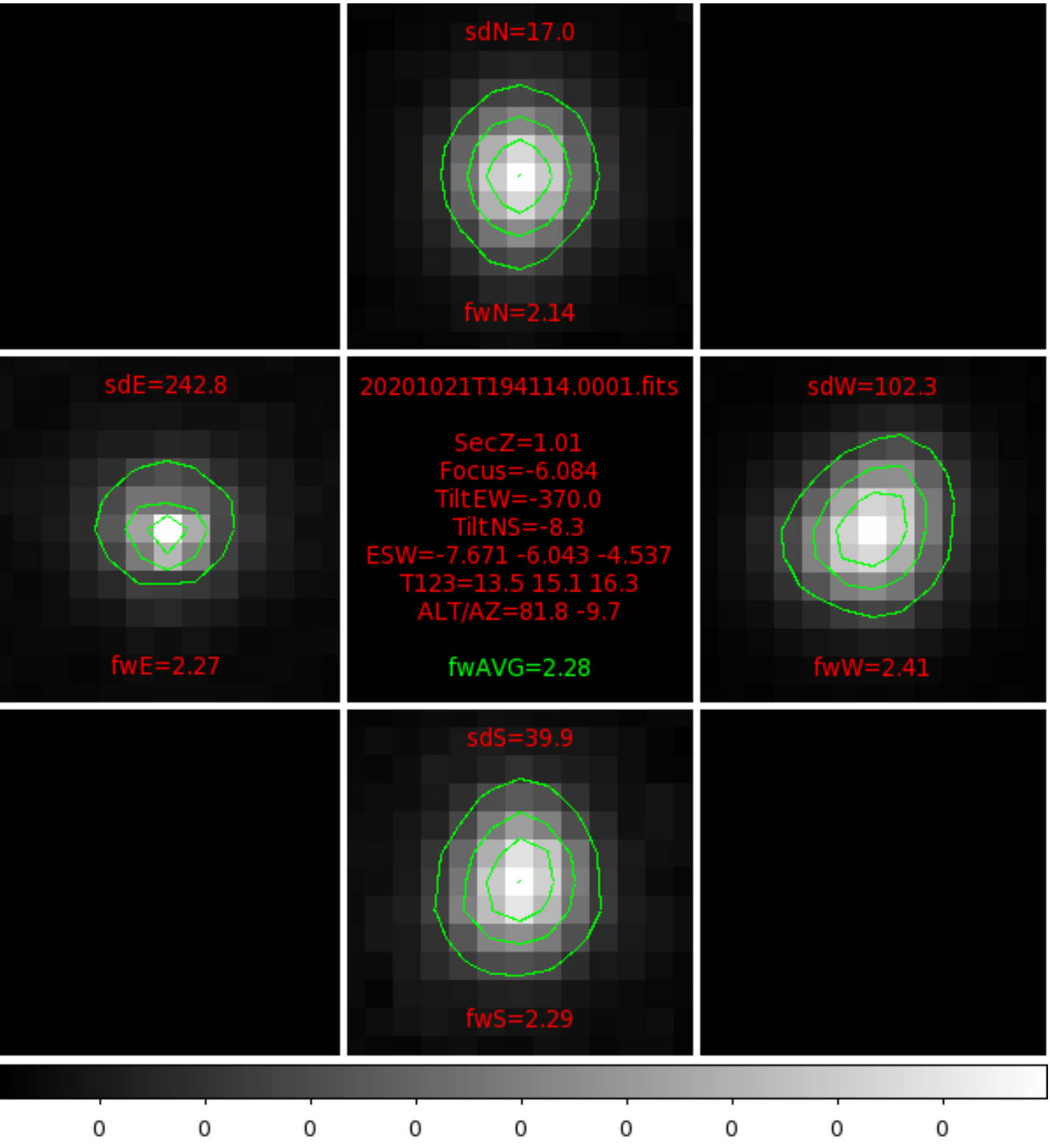
sdN=17.0
fwN=2.14
sdE=242.8
fwE=2.27
20201021T194114.0001.fits
SecZ=1.01
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=13.5 15.1 16.3
ALT/AZ=81.8 -9.7
fwAVG=2.28
sdW=102.3
fwW=2.41
sdS=39.9
fwS=2.29
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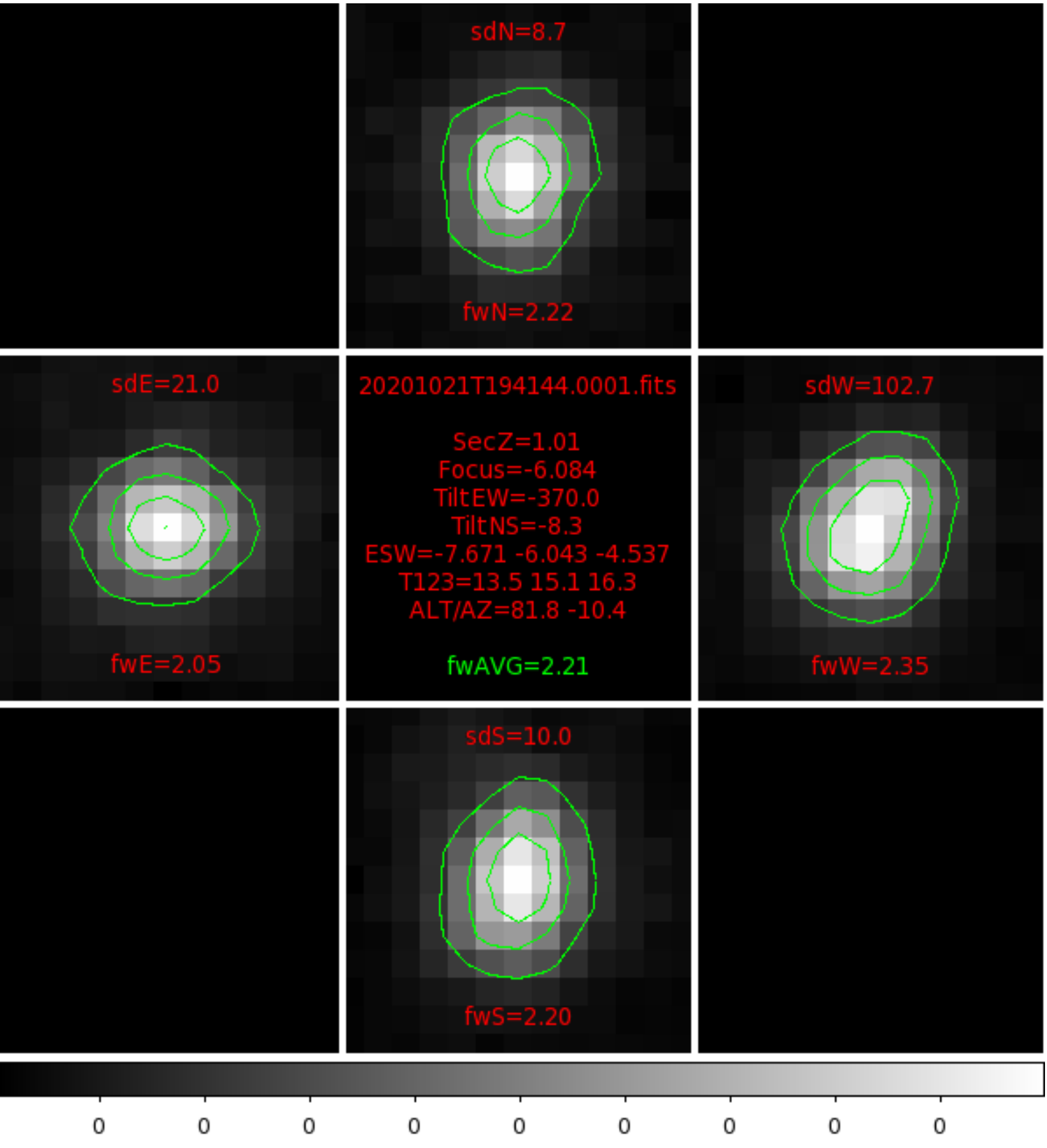
sdN=8.7
fwN=2.22
sdE=21.0
fwE=2.05
20201021T194144.0001.fits
SecZ=1.01
Focus=-6.084
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.671 -6.043 -4.537
T123=13.5 15.1 16.3
ALT/AZ=81.8 -10.4
fwAVG=2.21
sdW=102.7
fwW=2.35
sdS=10.0
fwS=2.20
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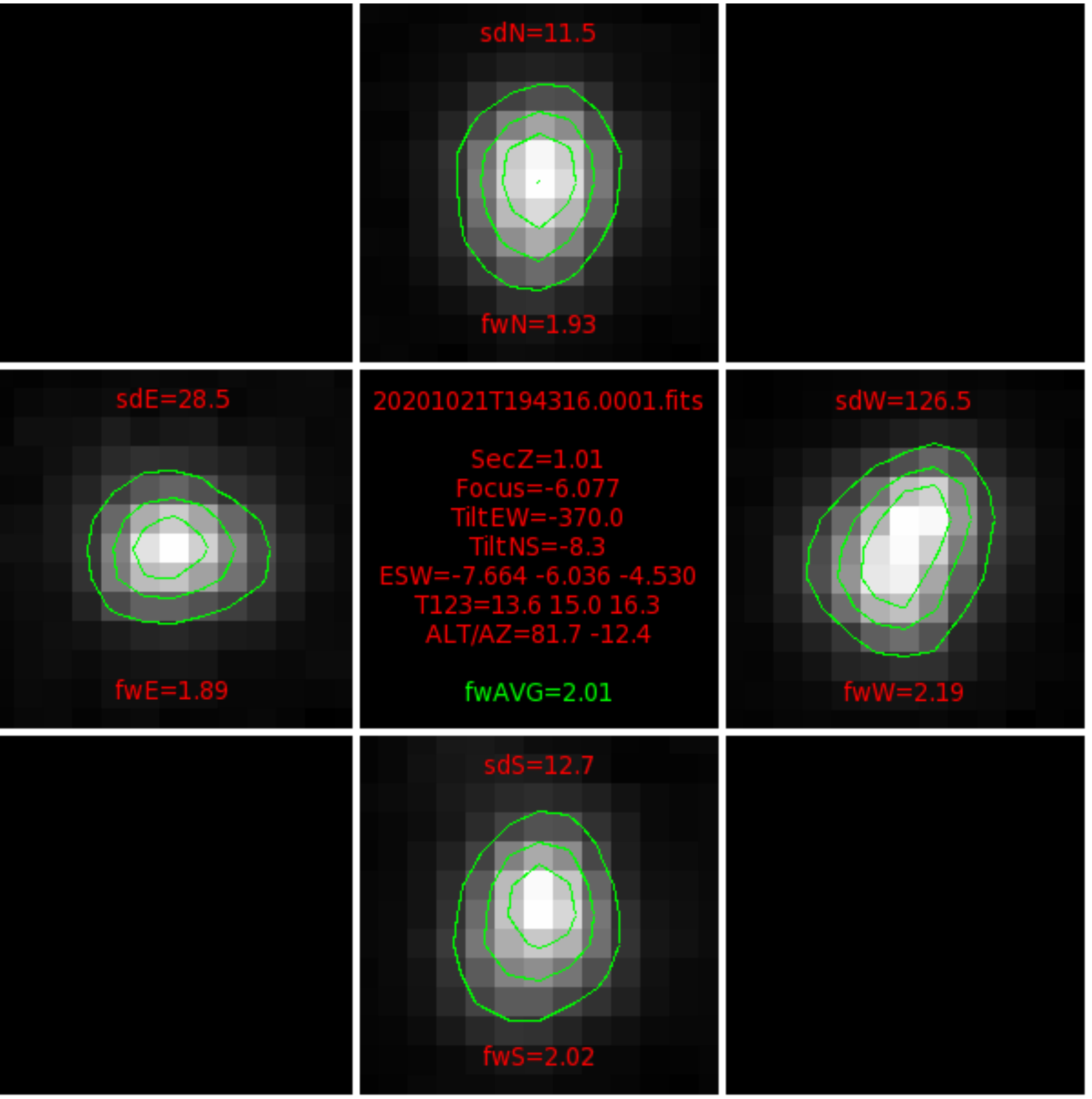
sdN=11.5
fwN=1.93
sdE=28.5
fwE=1.89
20201021T194316.0001.fits
SecZ=1.01
Focus=-6.077
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.664 -6.036 -4.530
T123=13.6 15.0 16.3
ALT/AZ=81.7 -12.4
fwAVG=2.01
sdW=126.5
fwW=2.19
sdS=12.7
fwS=2.02
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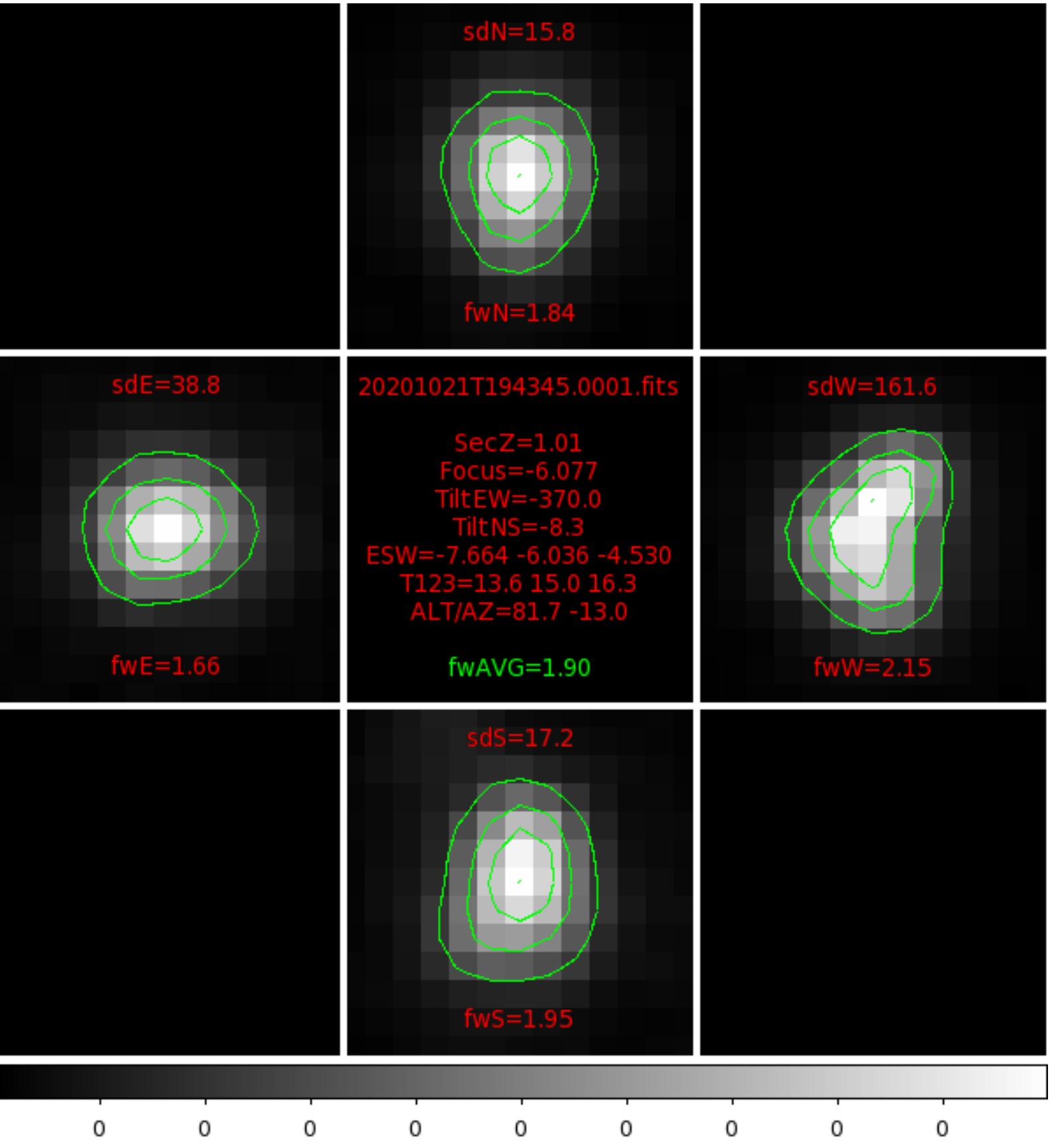
sdN=15.8
fwN=1.84
sdE=38.8
fwE=1.66
20201021T194345.0001.fits
SecZ=1.01
Focus=-6.077
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.664 -6.036 -4.530
T123=13.6 15.0 16.3
ALT/AZ=81.7 -13.0
fwAVG=1.90
sdW=161.6
fwW=2.15
sdS=17.2
fwS=1.95
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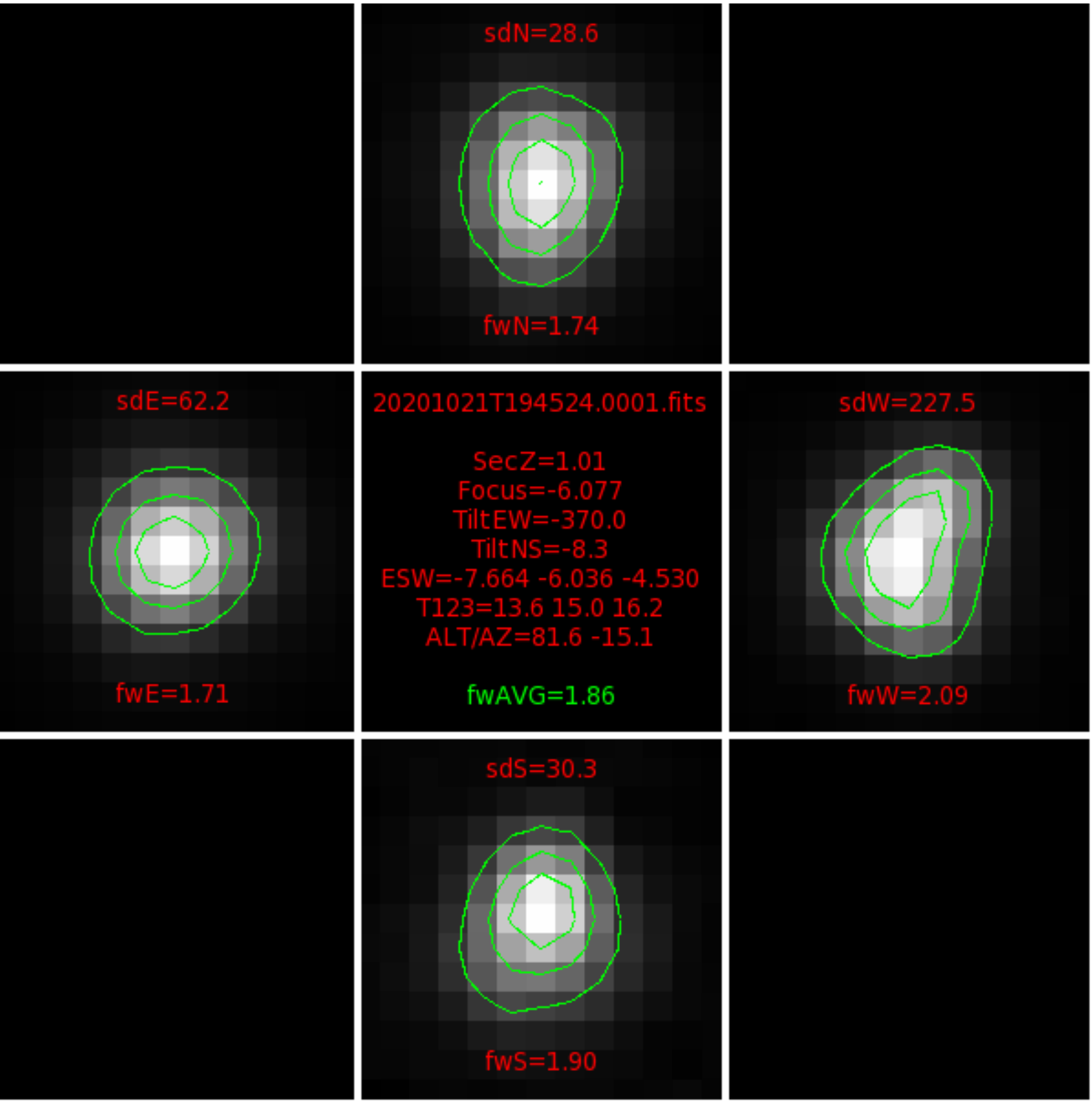
sdN=28.6
fwN=1.74
sdE=62.2
fwE=1.71
20201021T194524.0001.fits
SecZ=1.01
Focus=-6.077
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.664 -6.036 -4.530
T123=13.6 15.0 16.2
ALT/AZ=81.6 -15.1
fwAVG=1.86
sdW=227.5
fwW=2.09
sdS=30.3
fwS=1.90
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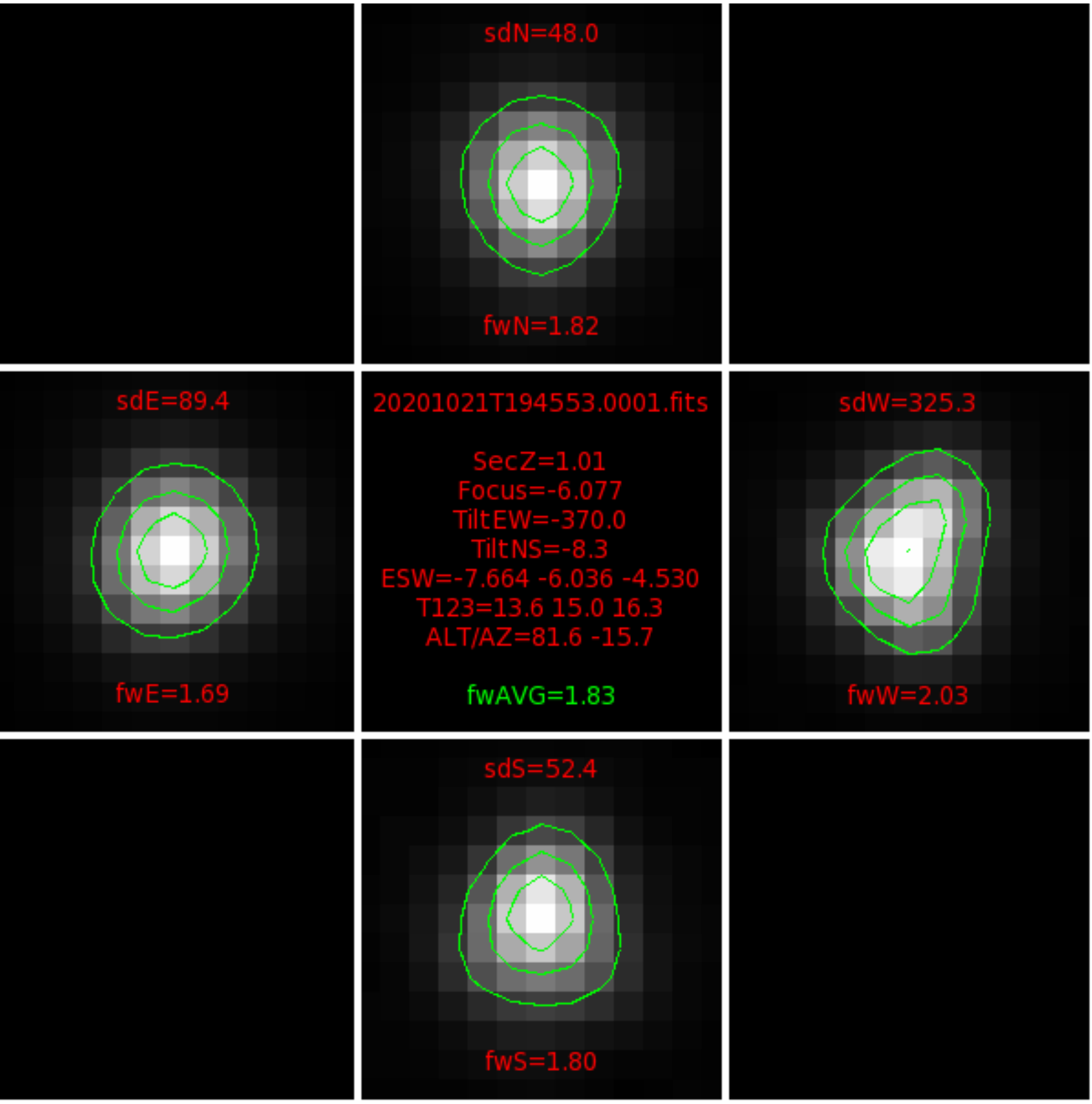
sdN=48.0
fwN=1.82
sdE=89.4
fwE=1.69
20201021T194553.0001.fits
SecZ=1.01
Focus=-6.077
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.664 -6.036 -4.530
T123=13.6 15.0 16.3
ALT/AZ=81.6 -15.7
fwAVG=1.83
sdW=325.3
fwW=2.03
sdS=52.4
fwS=1.80
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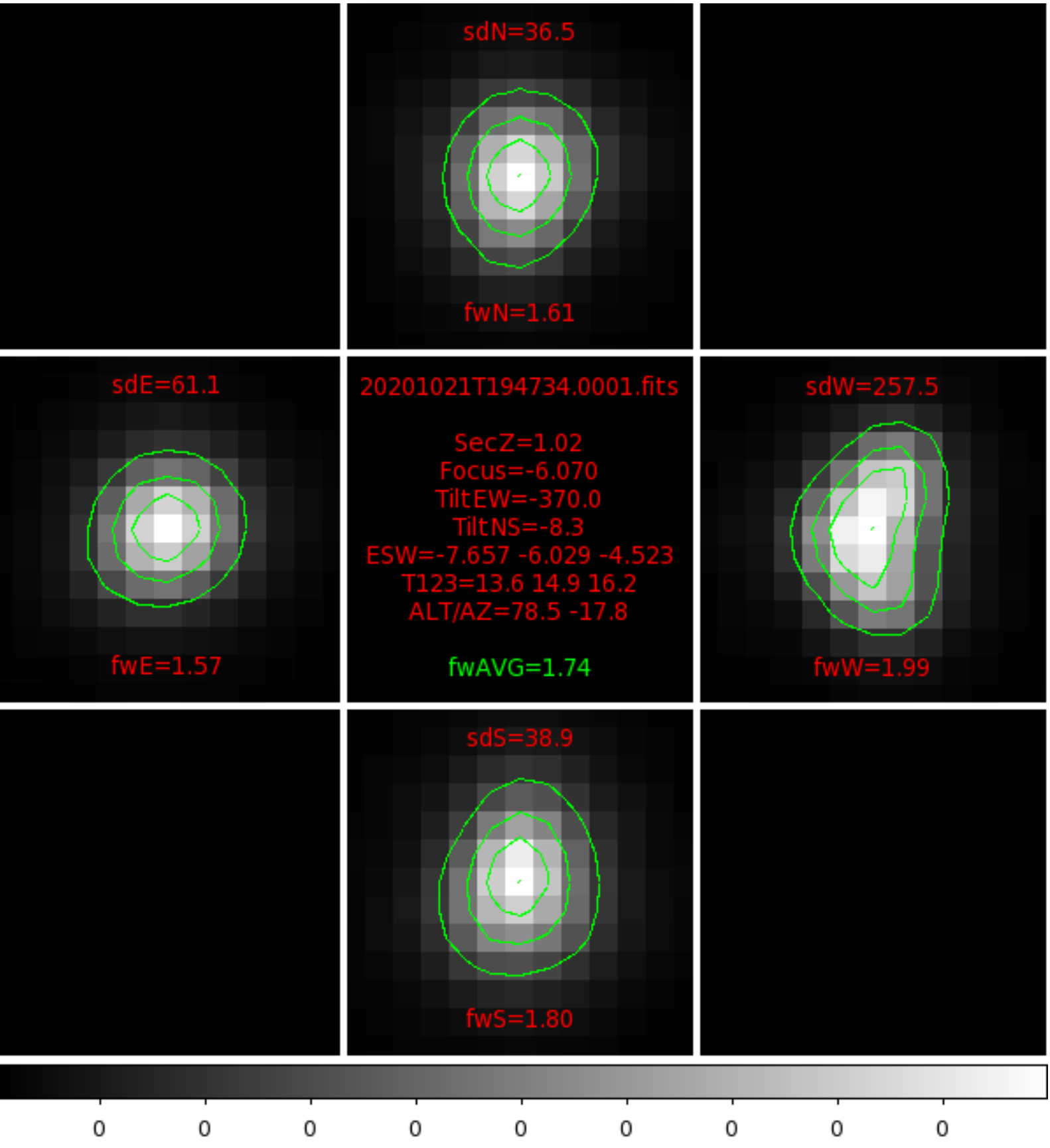
sdN=36.5
fwN=1.61
sdE=61.1
fwE=1.57
20201021T194734.0001.fits
SecZ=1.02
Focus=-6.070
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.657 -6.029 -4.523
T123=13.6 14.9 16.2
ALT/AZ=78.5 -17.8
fwAVG=1.74
sdW=257.5
fwW=1.99
sdS=38.9
fwS=1.80
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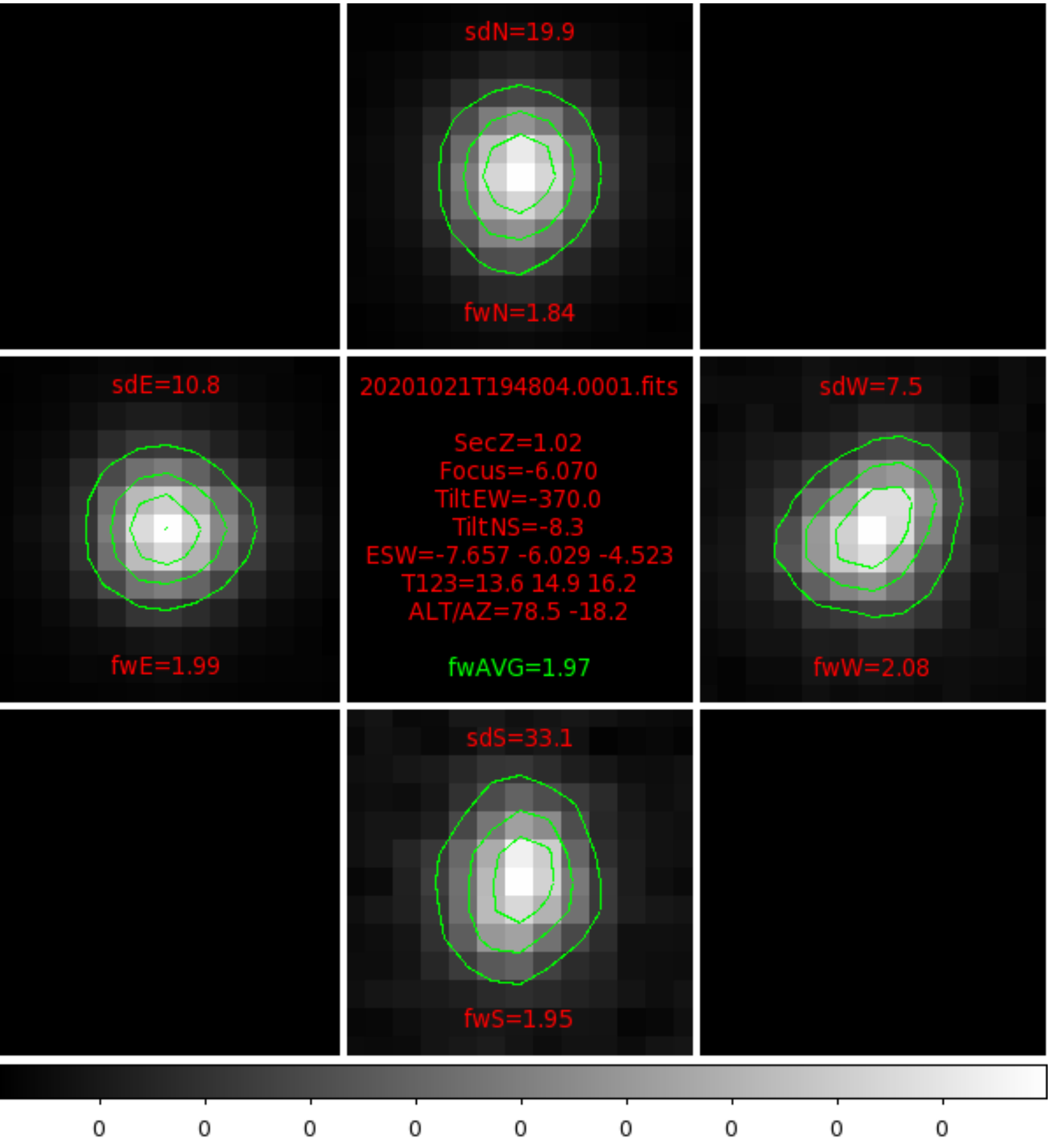
sdN=19.9
fwN=1.84
sdE=10.8
fwE=1.99
20201021T194804.0001.fits
SecZ=1.02
Focus=-6.070
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.657 -6.029 -4.523
T123=13.6 14.9 16.2
ALT/AZ=78.5 -18.2
fwAVG=1.97
sdW=7.5
fwW=2.08
sdS=33.1
fwS=1.95
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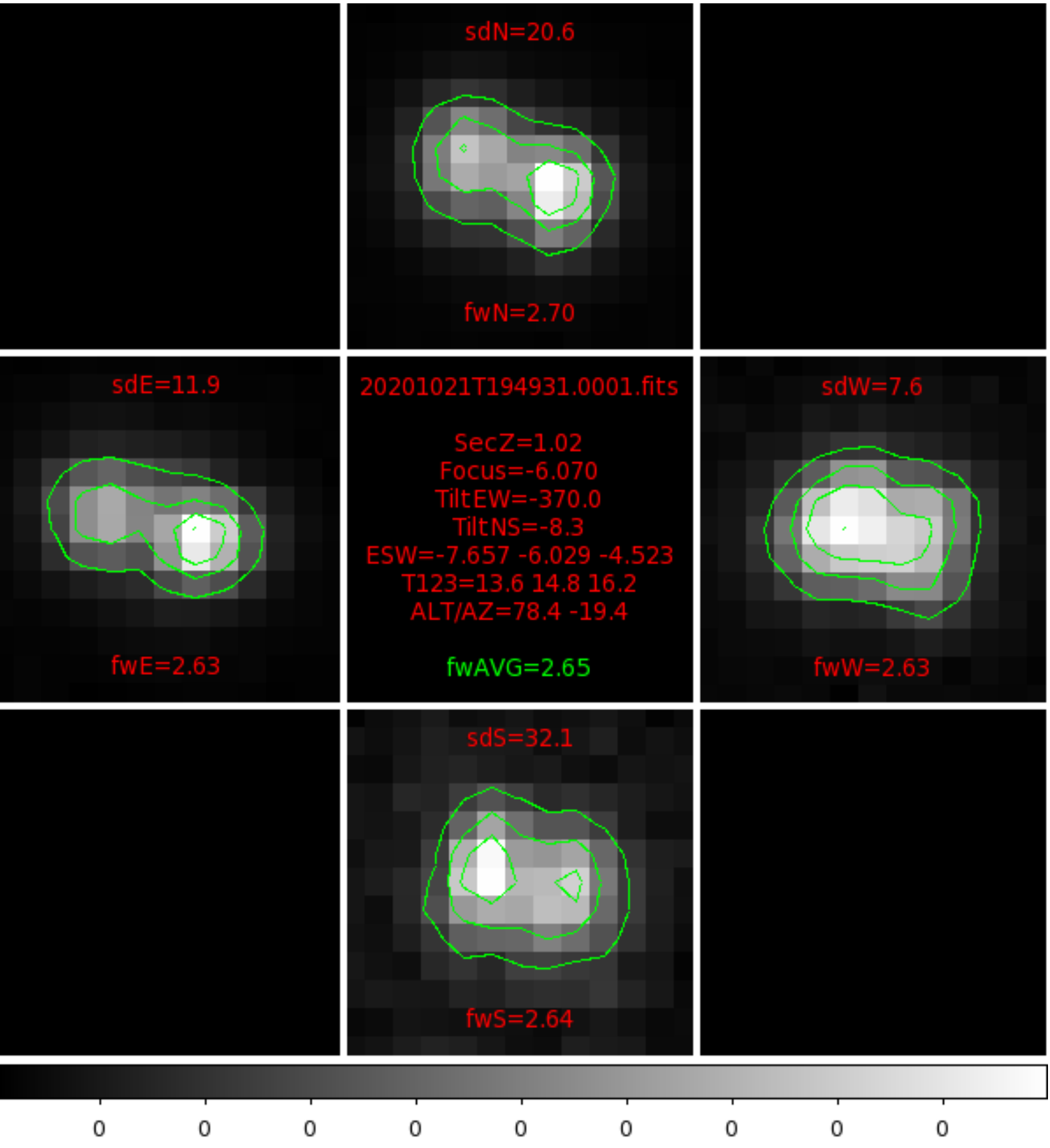
sdN=20.6
fwN=2.70
sdE=11.9
fwE=2.63
20201021T194931.0001.fits
SecZ=1.02
Focus=-6.070
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.657 -6.029 -4.523
T123=13.6 14.8 16.2
ALT/AZ=78.4 -19.4
fwAVG=2.65
sdW=7.6
fwW=2.63
sdS=32.1
fwS=2.64
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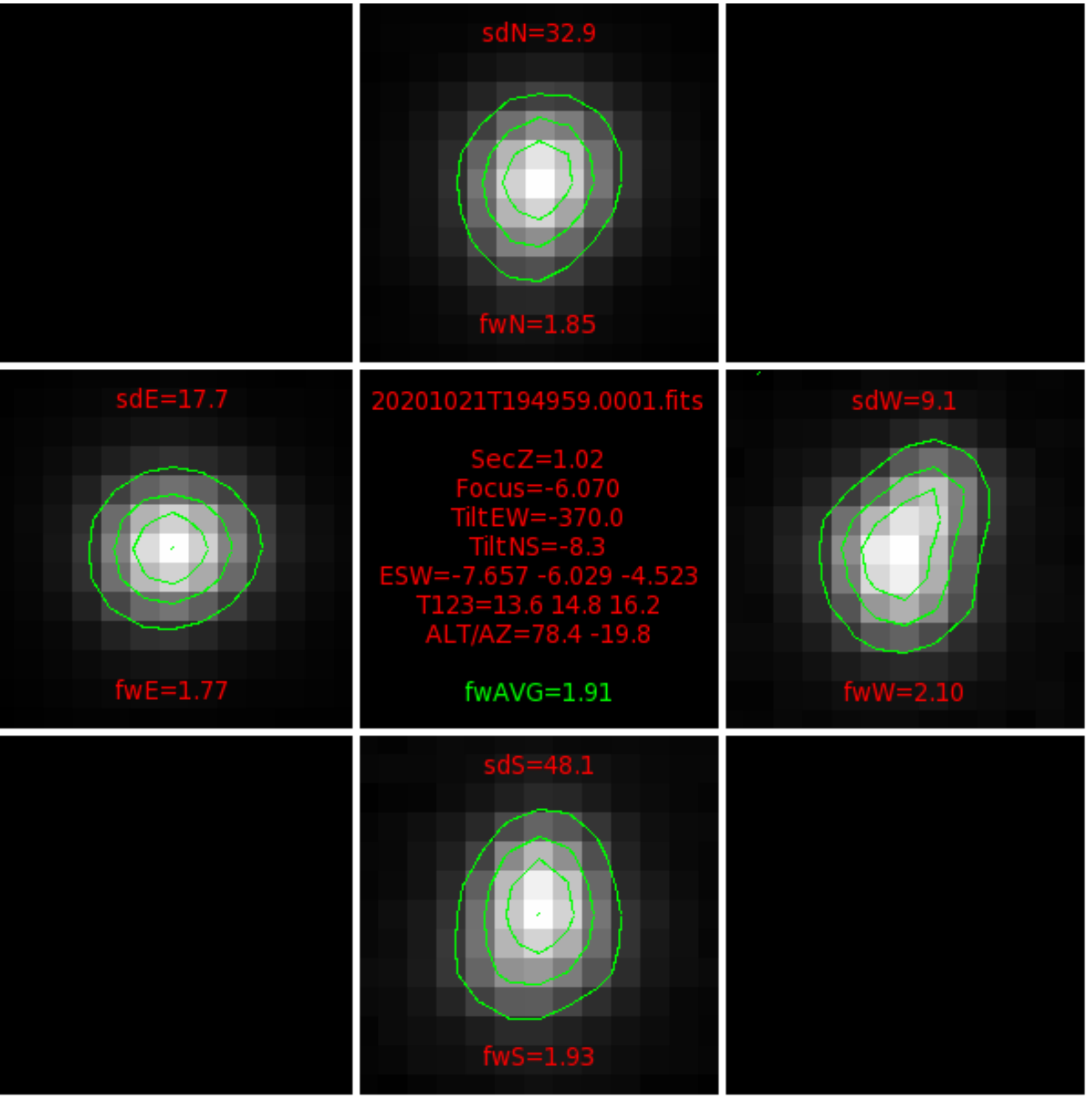
sdN=32.9
fwN=1.85
sdE=17.7
fwE=1.77
20201021T194959.0001.fits
SecZ=1.02
Focus=-6.070
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.657 -6.029 -4.523
T123=13.6 14.8 16.2
ALT/AZ=78.4 -19.8
fwAVG=1.91
sdW=9.1
fwW=2.10
sdS=48.1
fwS=1.93
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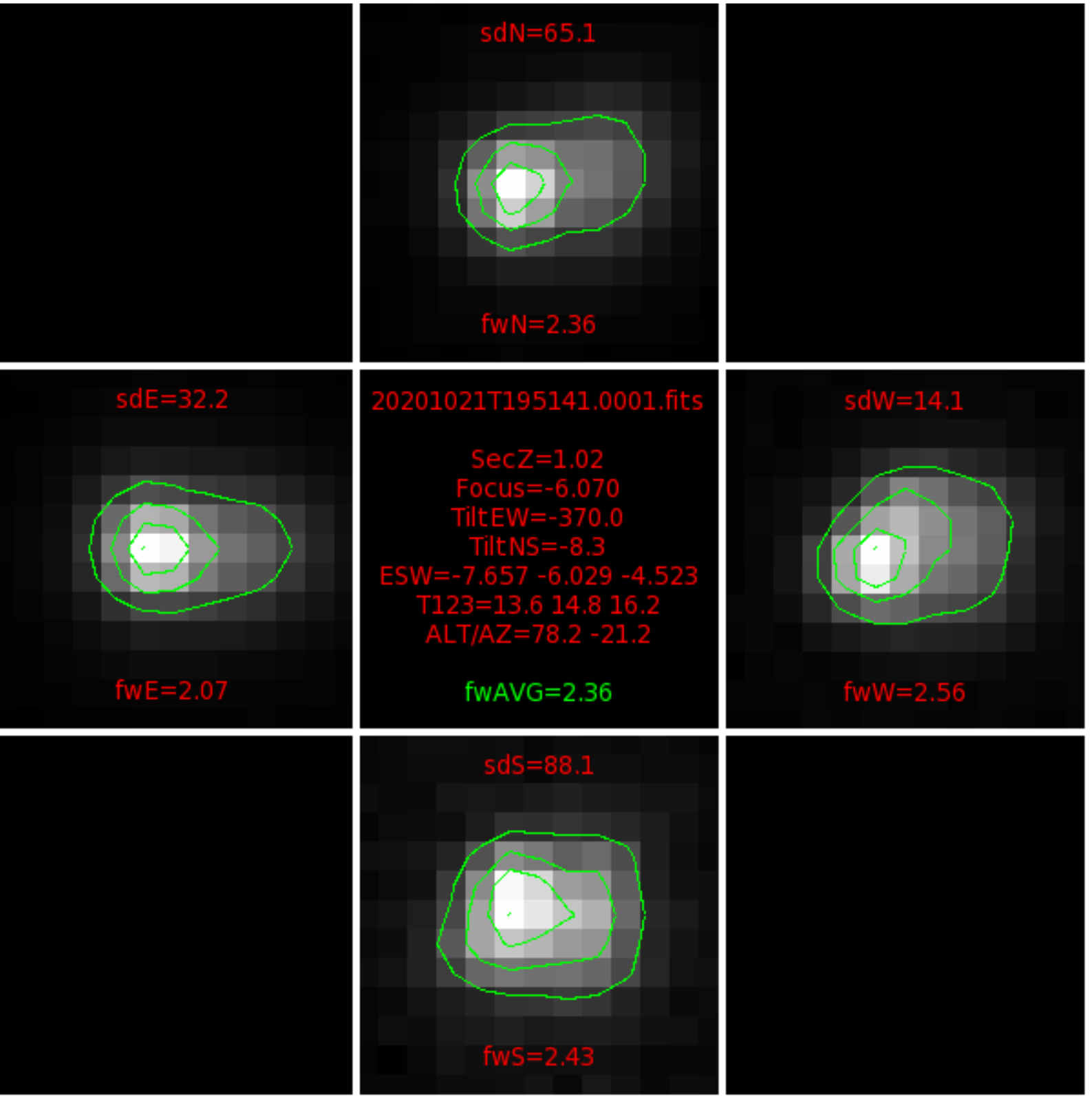
sdN=65.1
fwN=2.36
sdE=32.2
fwE=2.07
20201021T195141.0001.fits
SecZ=1.02
Focus=-6.070
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.657 -6.029 -4.523
T123=13.6 14.8 16.2
ALT/AZ=78.2 -21.2
fwAVG=2.36
sdW=14.1
fwW=2.56
sdS=88.1
fwS=2.43
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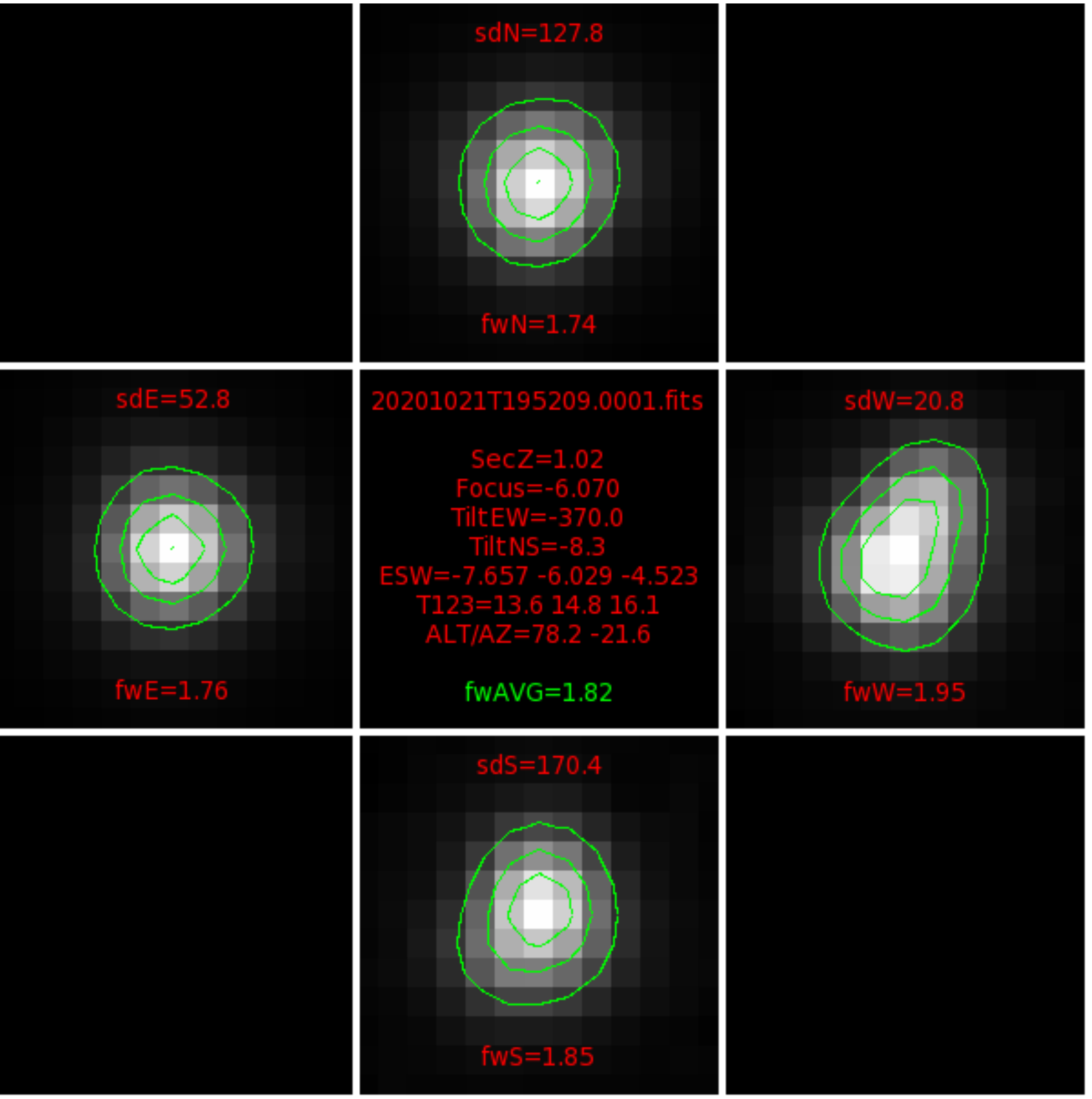
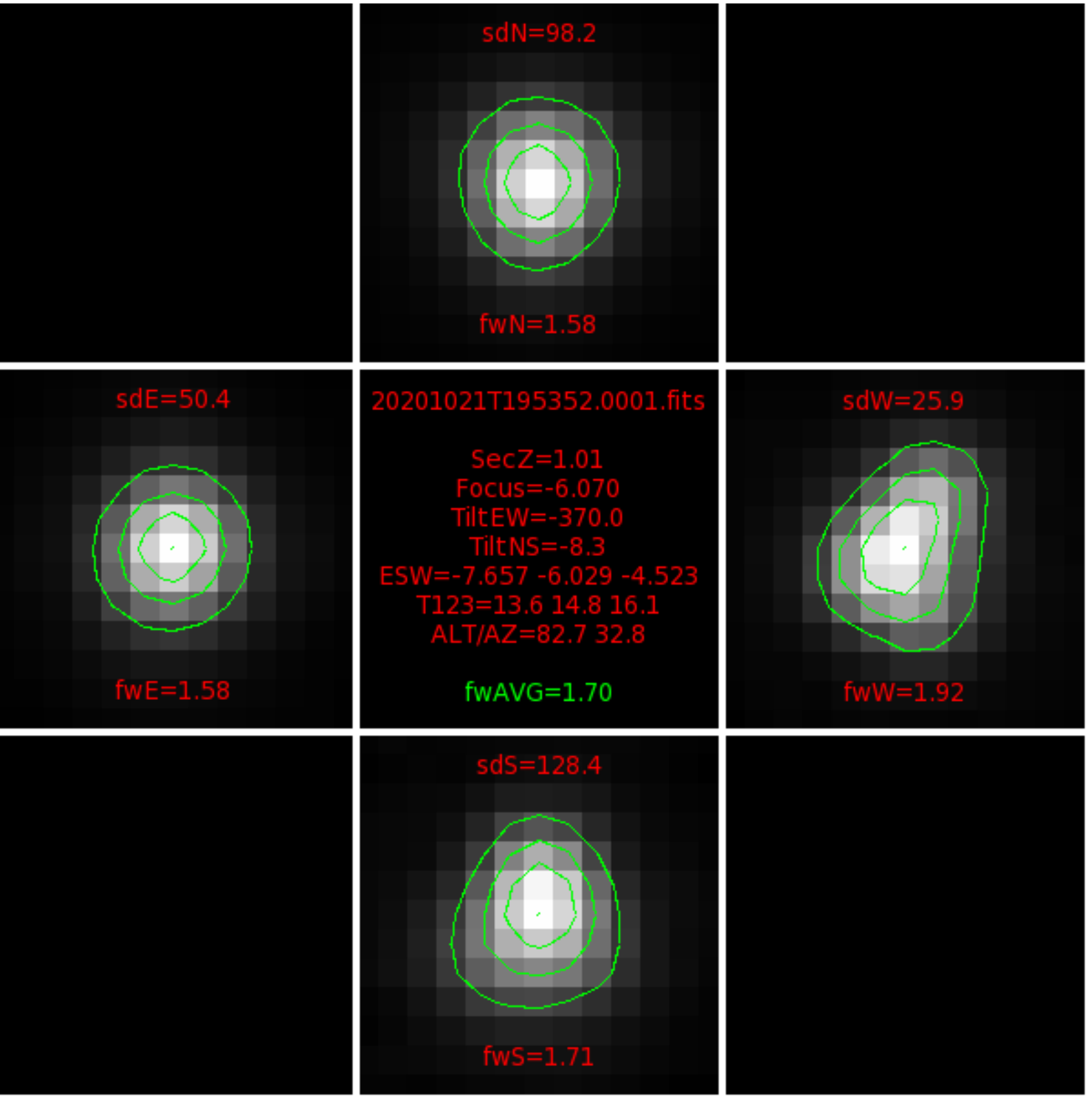

sdN=127.8
fwN=1.74
sdE=52.8
fwE=1.76
20201021T195209.0001.fits
SecZ=1.02
Focus=-6.070
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.657 -6.029 -4.523
T123=13.6 14.8 16.1
ALT/AZ=78.2 -21.6
fwAVG=1.82
sdW=20.8
fwW=1.95
sdS=170.4
fwS=1.85
0 0 0 0 0 0 0 0 0


sdN=98.2
fwN=1.58
sdE=50.4
fwE=1.58
20201021T195352.0001.fits
SecZ=1.01
Focus=-6.070
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.657 -6.029 -4.523
T123=13.6 14.8 16.1
ALT/AZ=82.7 32.8
fwAVG=1.70
sdW=25.9
fwW=1.92
sdS=128.4
fwS=1.71
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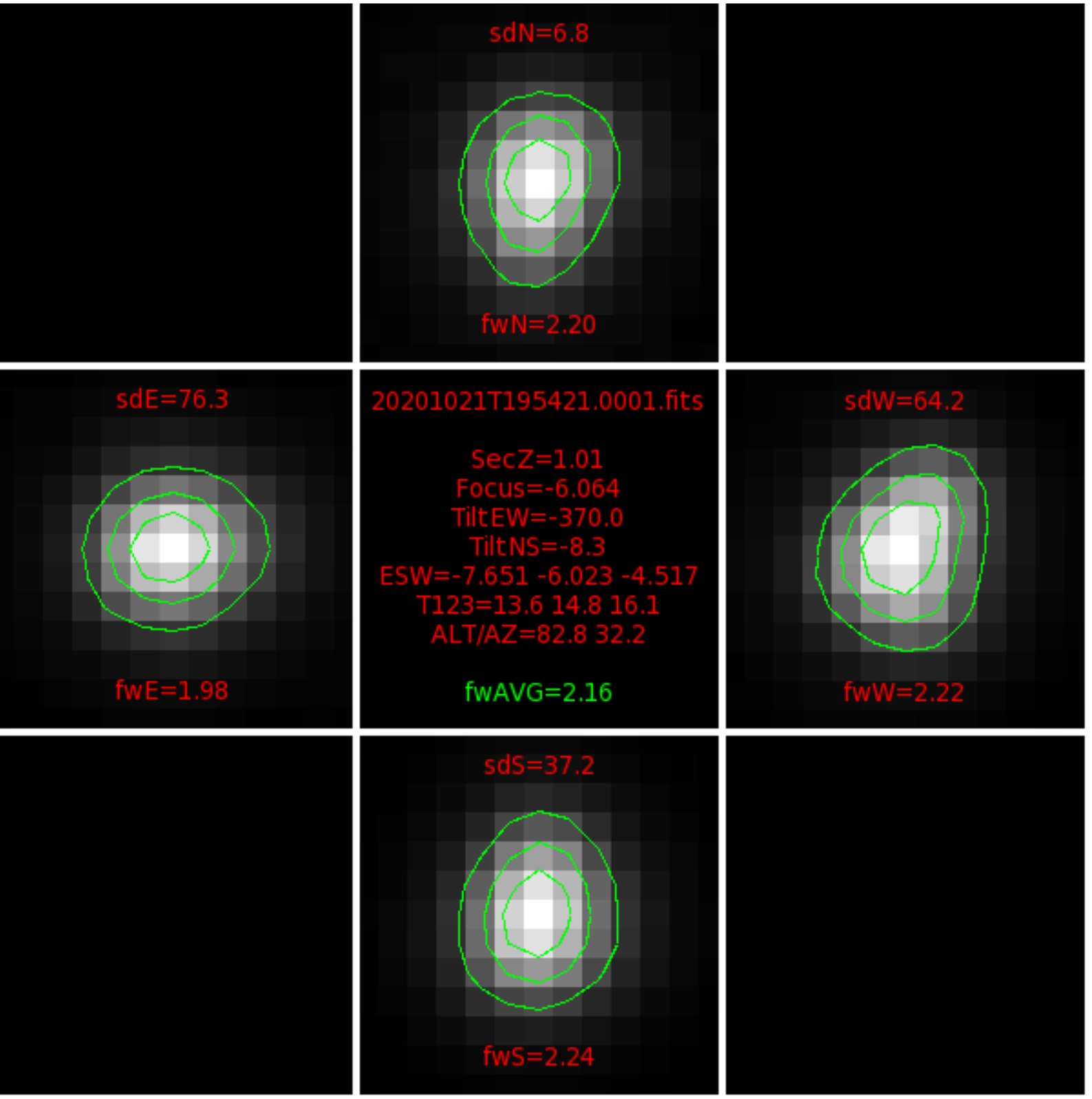
sdN=6.8
fwN=2.20
sdE=76.3
fwE=1.98
20201021T195421.0001.fits
SecZ=1.01
Focus=-6.064
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.651 -6.023 -4.517
T123=13.6 14.8 16.1
ALT/AZ=82.8 32.2
fwAVG=2.16
sdW=64.2
fwW=2.22
sdS=37.2
fwS=2.24
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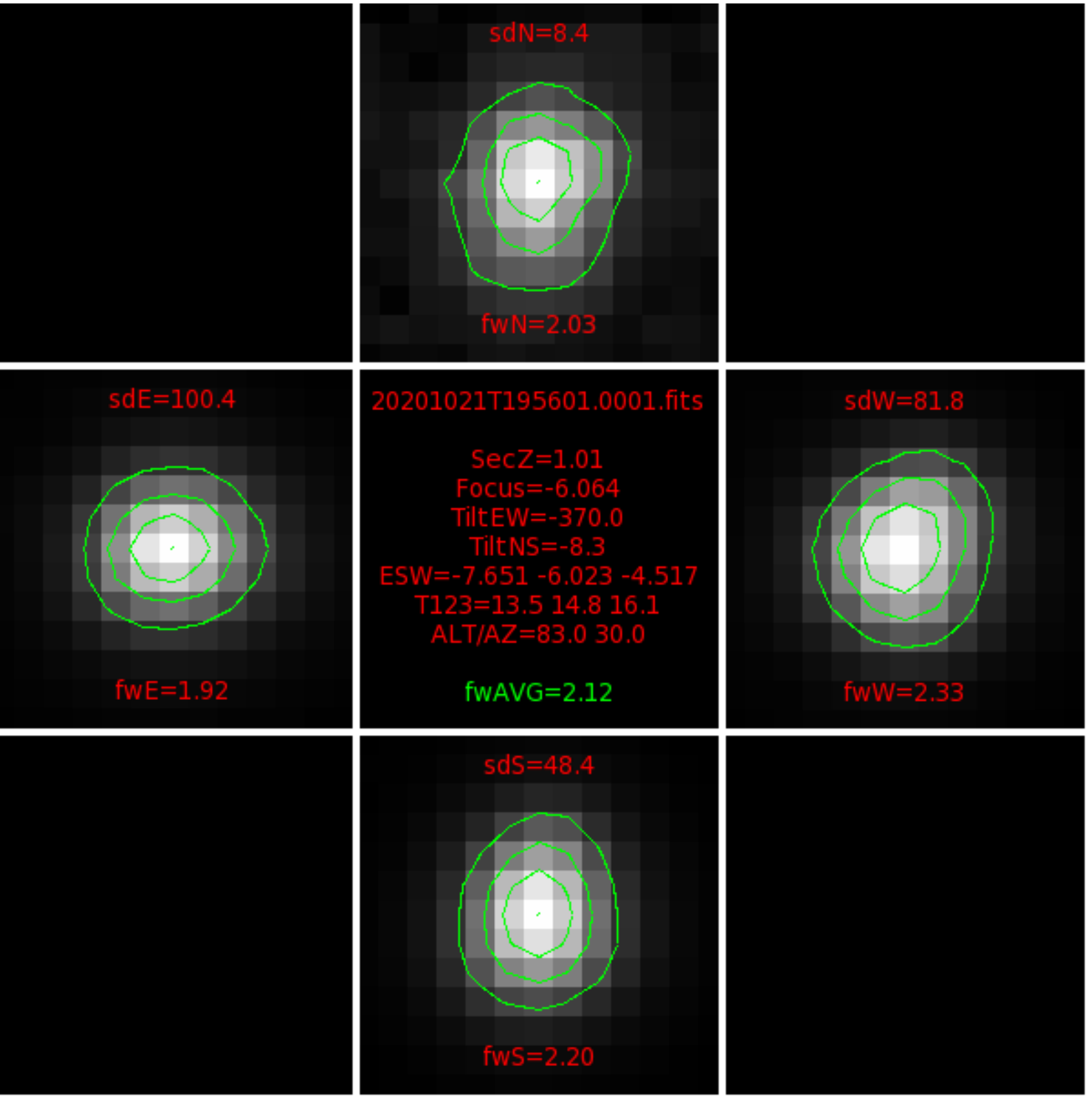
sdN=8.4
fwN=2.03
sdE=100.4
fwE=1.92
20201021T195601.0001.fits
SecZ=1.01
Focus=-6.064
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.651 -6.023 -4.517
T123=13.5 14.8 16.1
ALT/AZ=83.0 30.0
fwAVG=2.12
sdW=81.8
fwW=2.33
sdS=48.4
fwS=2.20
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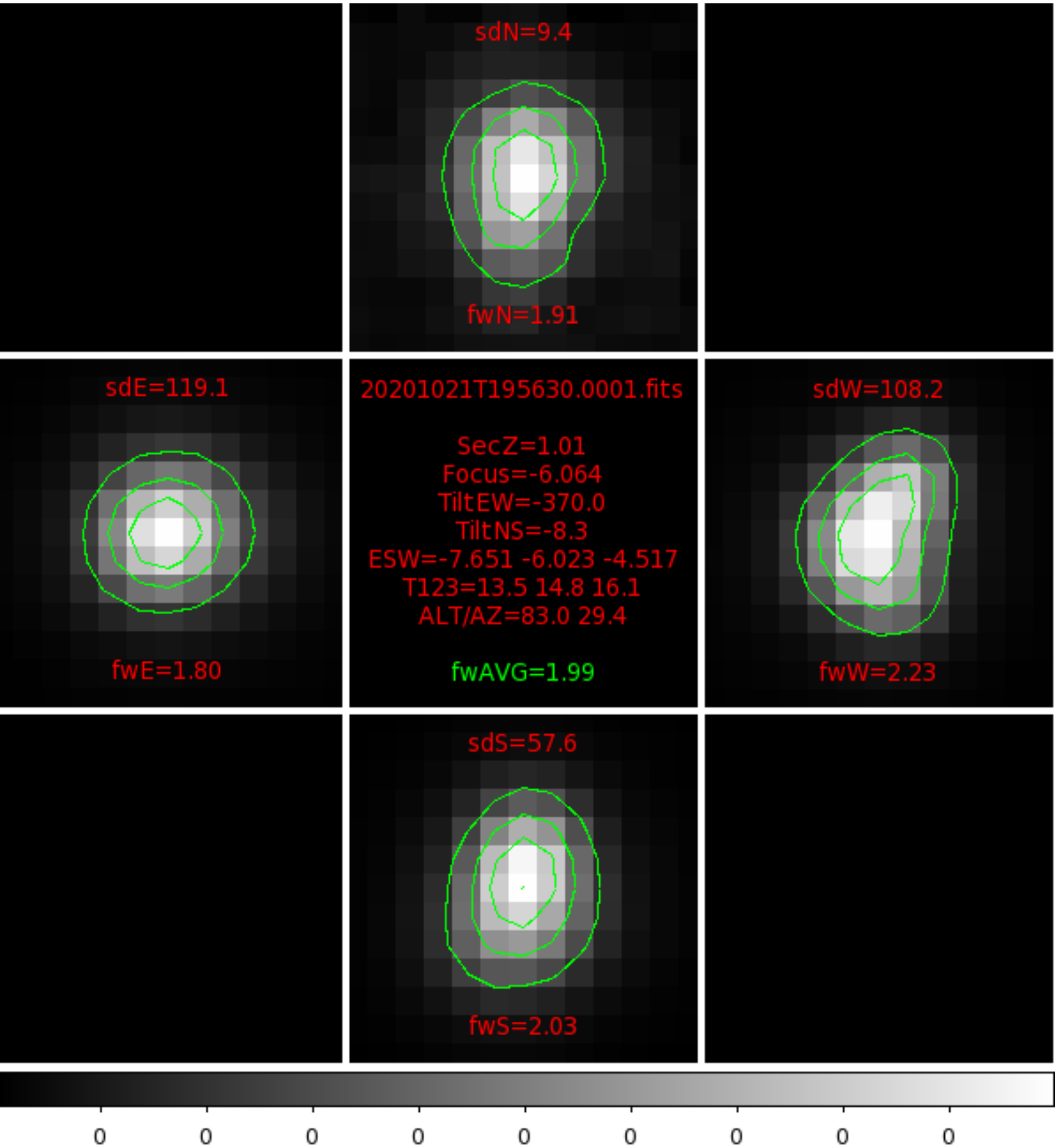
sdN=9.4
fwN=1.91
sdE=119.1
fwE=1.80
20201021T195630.0001.fits
SecZ=1.01
Focus=-6.064
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.651 -6.023 -4.517
T123=13.5 14.8 16.1
ALT/AZ=83.0 29.4
fwAVG=1.99
sdW=108.2
fwW=2.23
sdS=57.6
fwS=2.03
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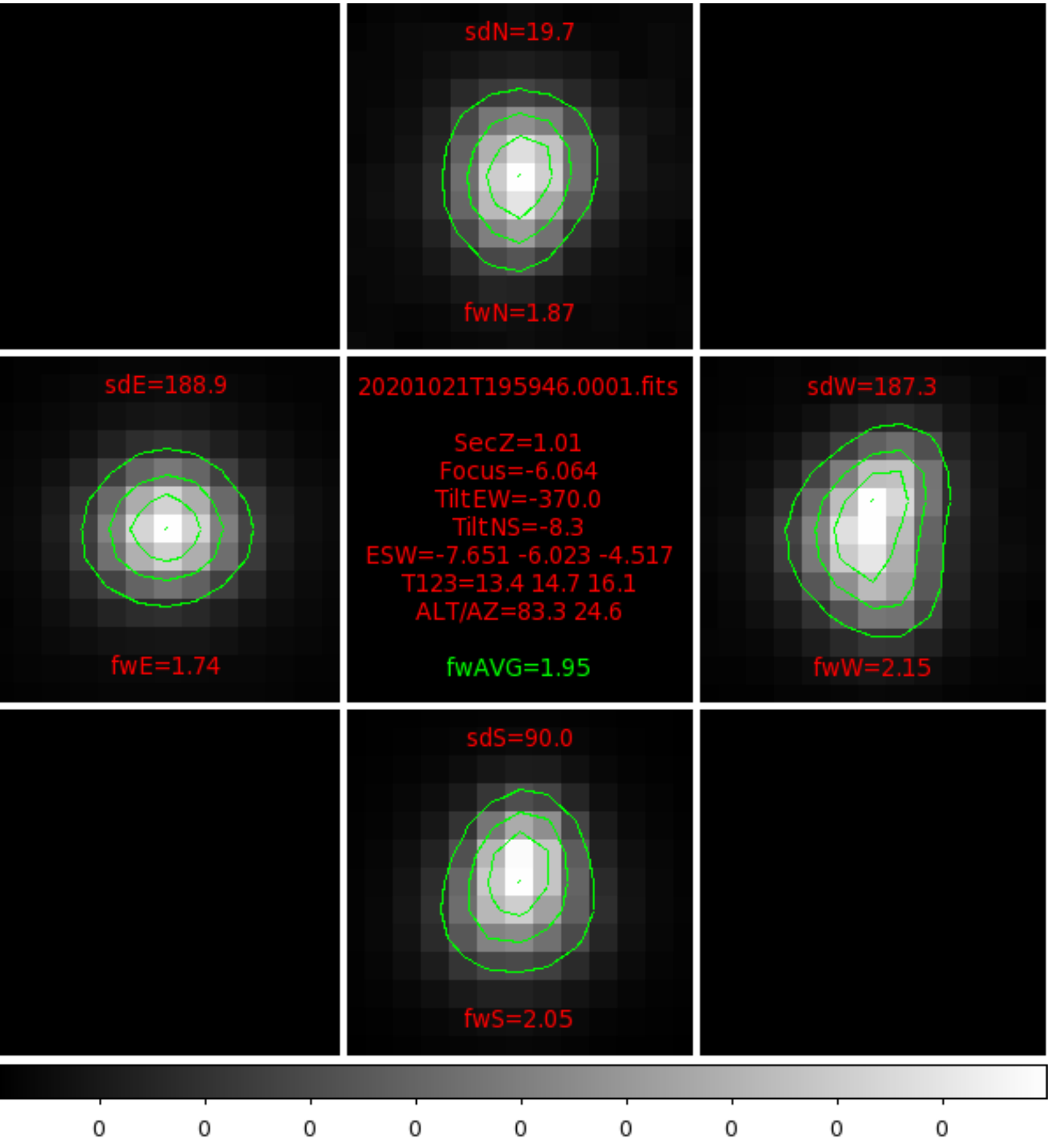
sdN=19.7
fwN=1.87
sdE=188.9
fwE=1.74
20201021T195946.0001.fits
SecZ=1.01
Focus=-6.064
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.651 -6.023 -4.517
T123=13.4 14.7 16.1
ALT/AZ=83.3 24.6
fwAVG=1.95
sdW=187.3
fwW=2.15
sdS=90.0
fwS=2.05
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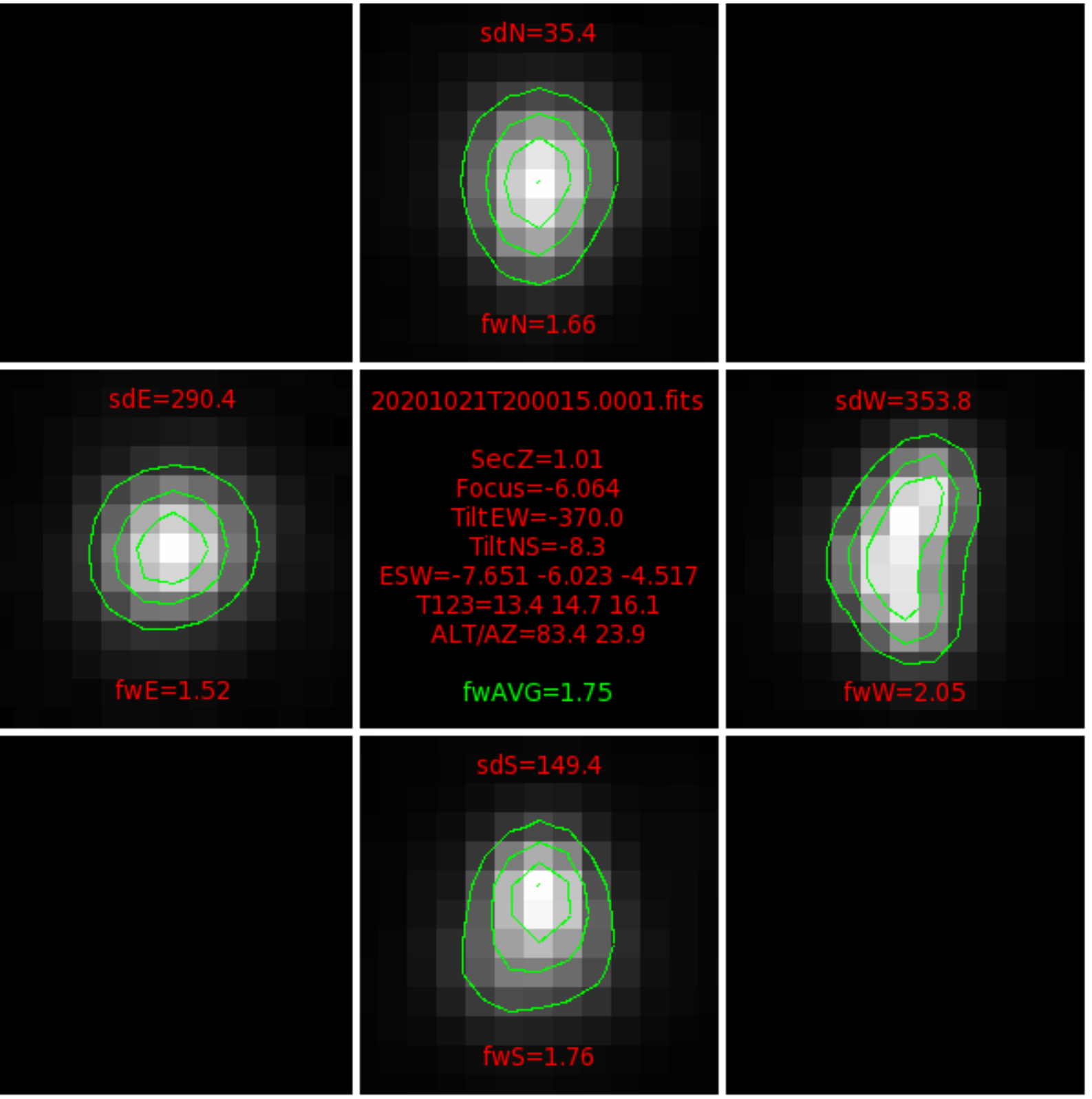
sdN=35.4
fwN=1.66
sdE=290.4
fwE=1.52
20201021T200015.0001.fits
SecZ=1.01
Focus=-6.064
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.651 -6.023 -4.517
T123=13.4 14.7 16.1
ALT/AZ=83.4 23.9
fwAVG=1.75
sdW=353.8
fwW=2.05
sdS=149.4
fwS=1.76
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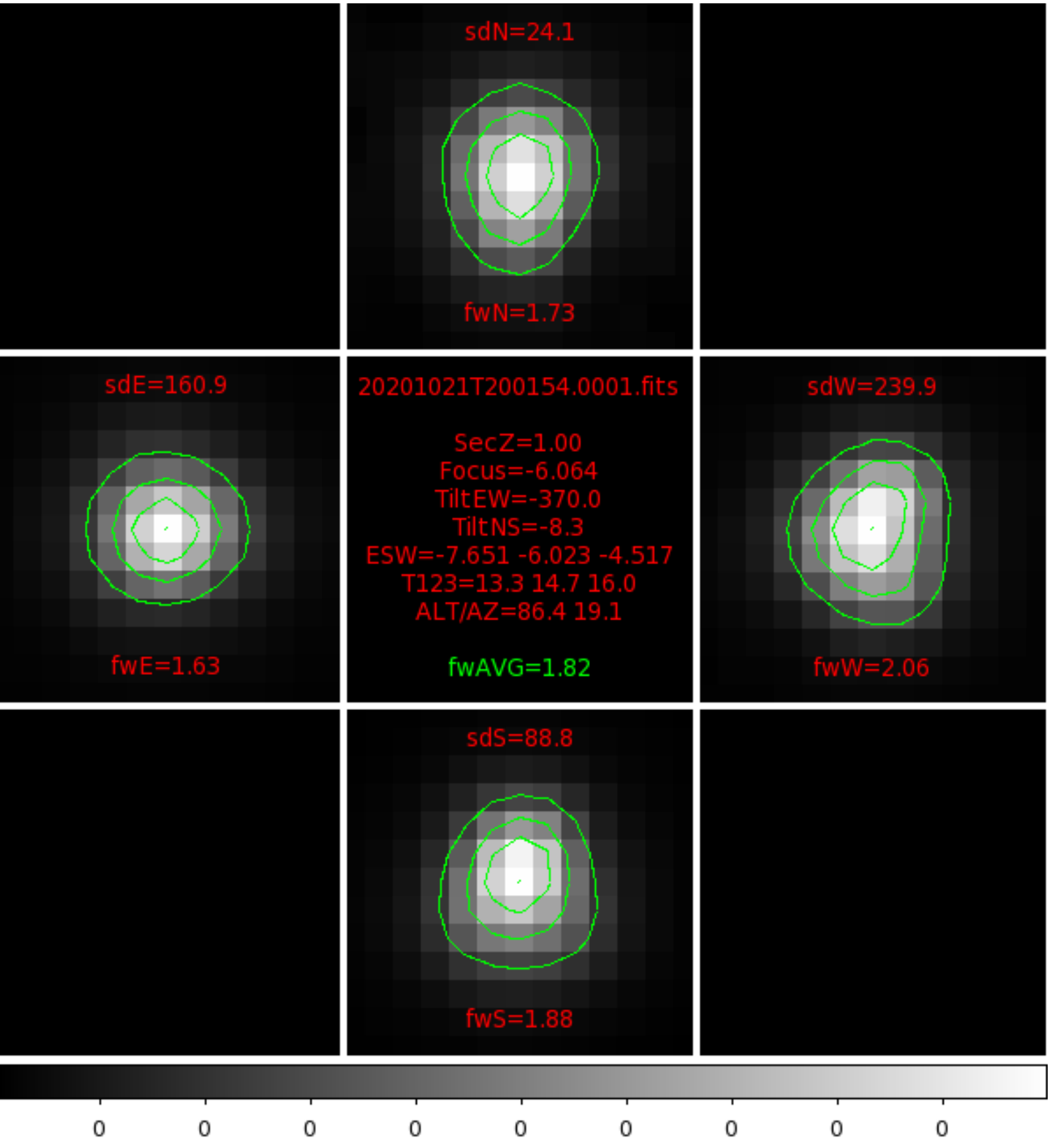
sdN=24.1
fwN=1.73
sdE=160.9
fwE=1.63
20201021T200154.0001.fits
SecZ=1.00
Focus=-6.064
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.651 -6.023 -4.517
T123=13.3 14.7 16.0
ALT/AZ=86.4 19.1
fwAVG=1.82
sdW=239.9
fwW=2.06
sdS=88.8
fwS=1.88
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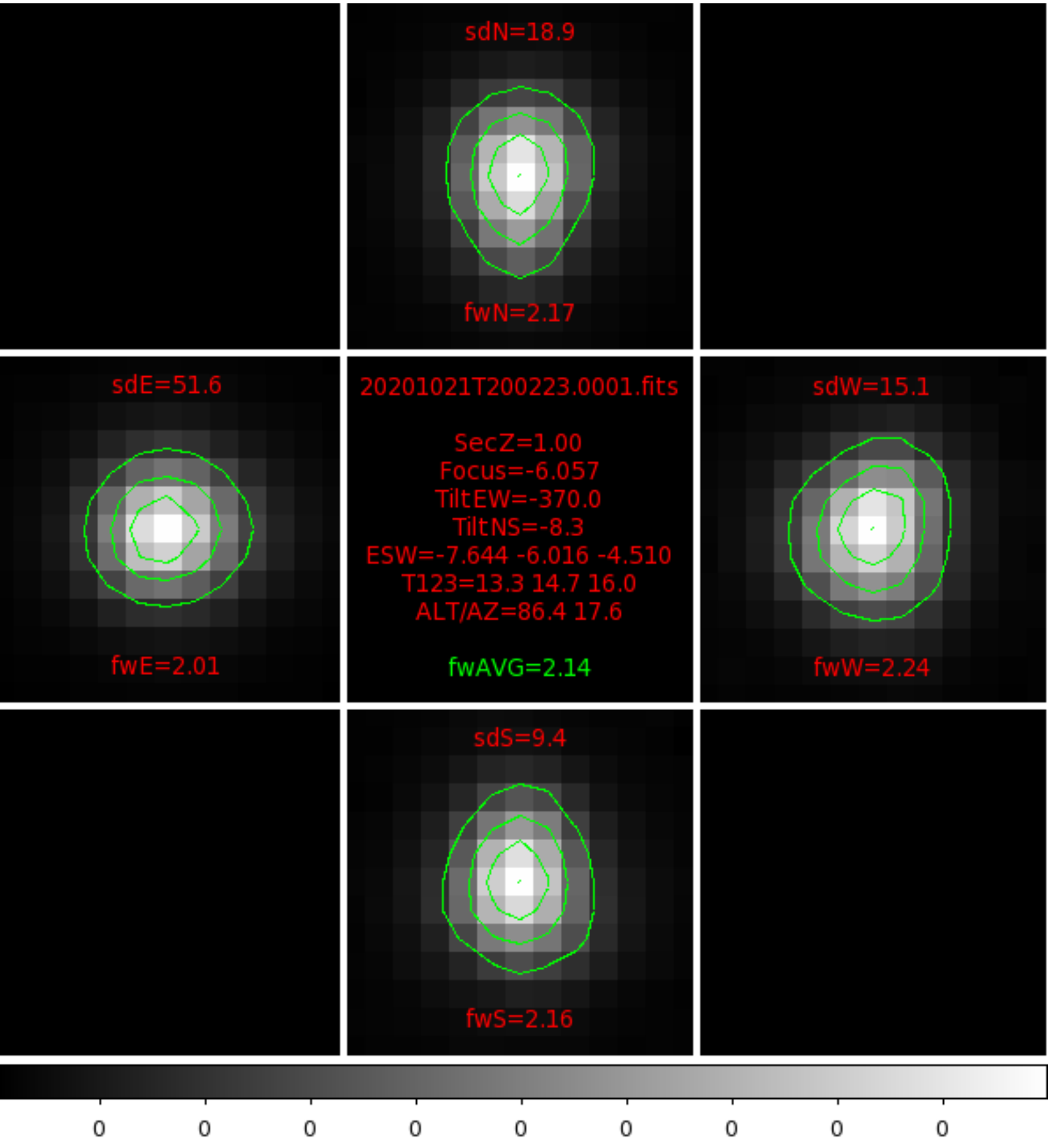
sdN=18.9
fwN=2.17
sdE=51.6
fwE=2.01
20201021T200223.0001.fits
SecZ=1.00
Focus=-6.057
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.644 -6.016 -4.510
T123=13.3 14.7 16.0
ALT/AZ=86.4 17.6
fwAVG=2.14
sdW=15.1
fwW=2.24
sdS=9.4
fwS=2.16
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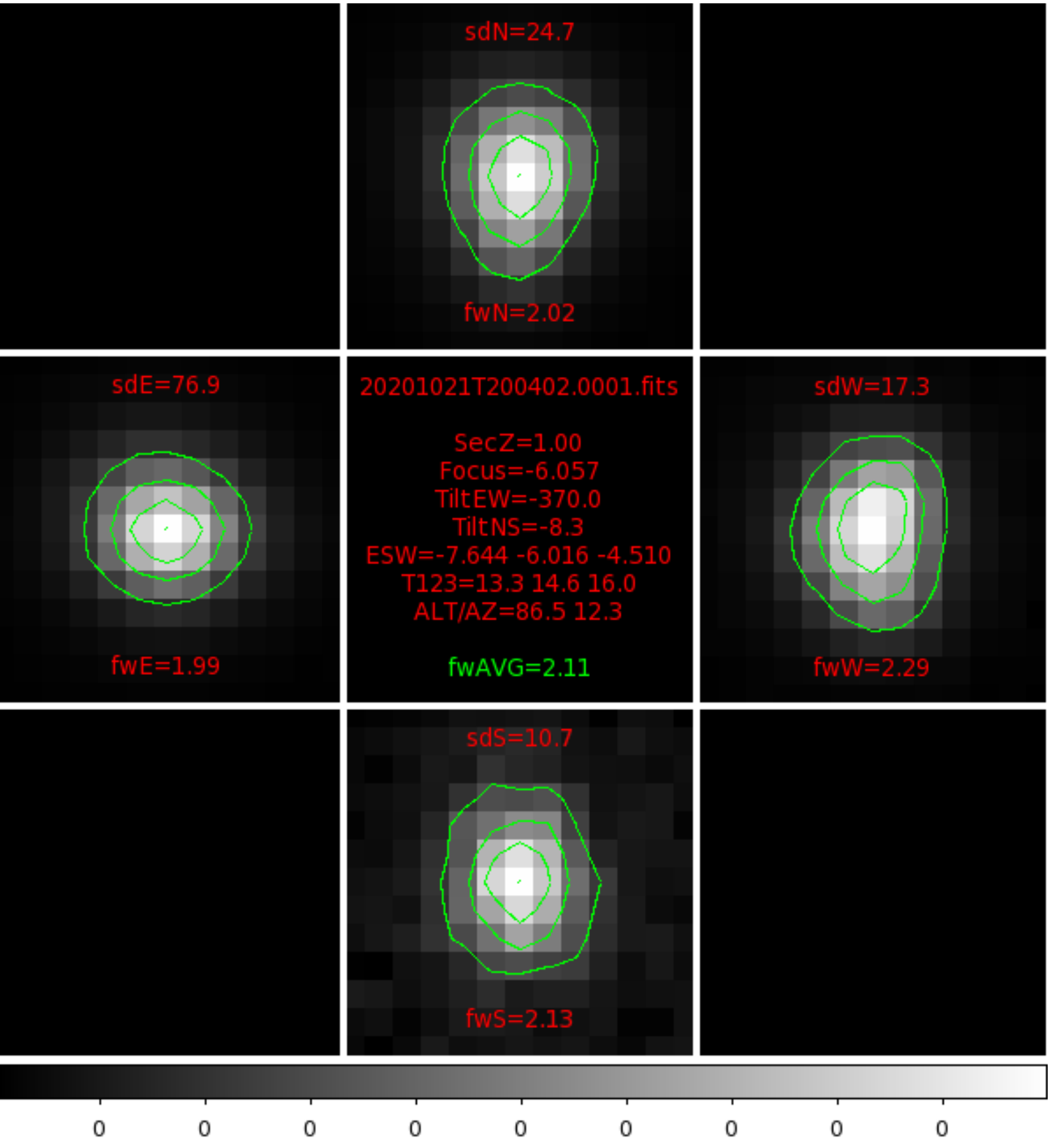
sdN=24.7
fwN=2.02
sdE=76.9
fwE=1.99
20201021T200402.0001.fits
SecZ=1.00
Focus=-6.057
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.644 -6.016 -4.510
T123=13.3 14.6 16.0
ALT/AZ=86.5 12.3
fwAVG=2.11
sdW=17.3
fwW=2.29
sdS=10.7
fwS=2.13
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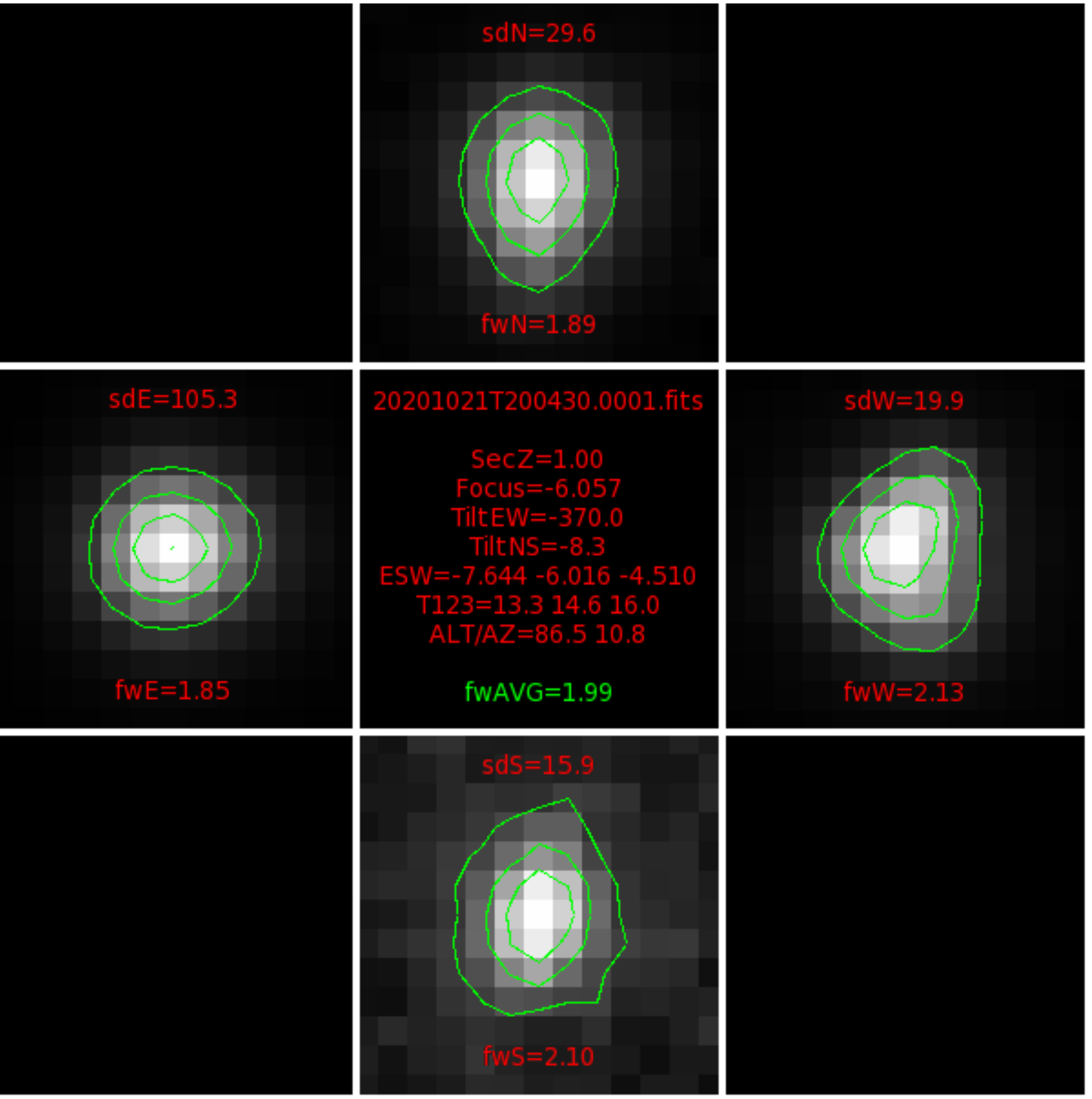
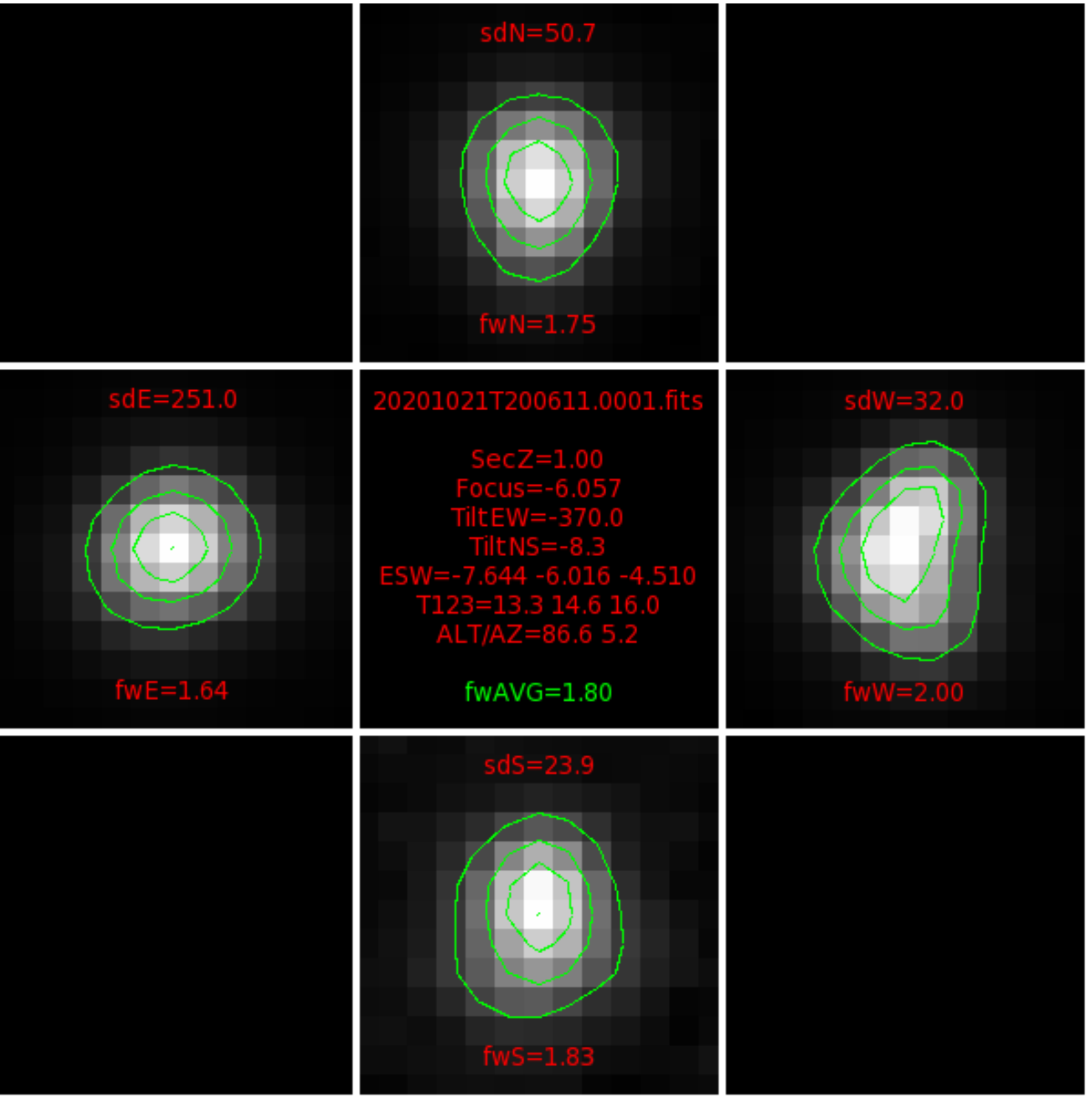

sdN=29.6
fwN=1.89
sdE=105.3
fwE=1.85
20201021T200430.0001.fits
SecZ=1.00
Focus=-6.057
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.644 -6.016 -4.510
T123=13.3 14.6 16.0
ALT/AZ=86.5 10.8
fwAVG=1.99
sdW=19.9
fwW=2.13
sdS=15.9
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=50.7
fwN=1.75
sdE=251.0
fwE=1.64
20201021T200611.0001.fits
SecZ=1.00
Focus=-6.057
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.644 -6.016 -4.510
T123=13.3 14.6 16.0
ALT/AZ=86.6 5.2
fwAVG=1.80
sdW=32.0
fwW=2.00
sdS=23.9
fwS=1.83
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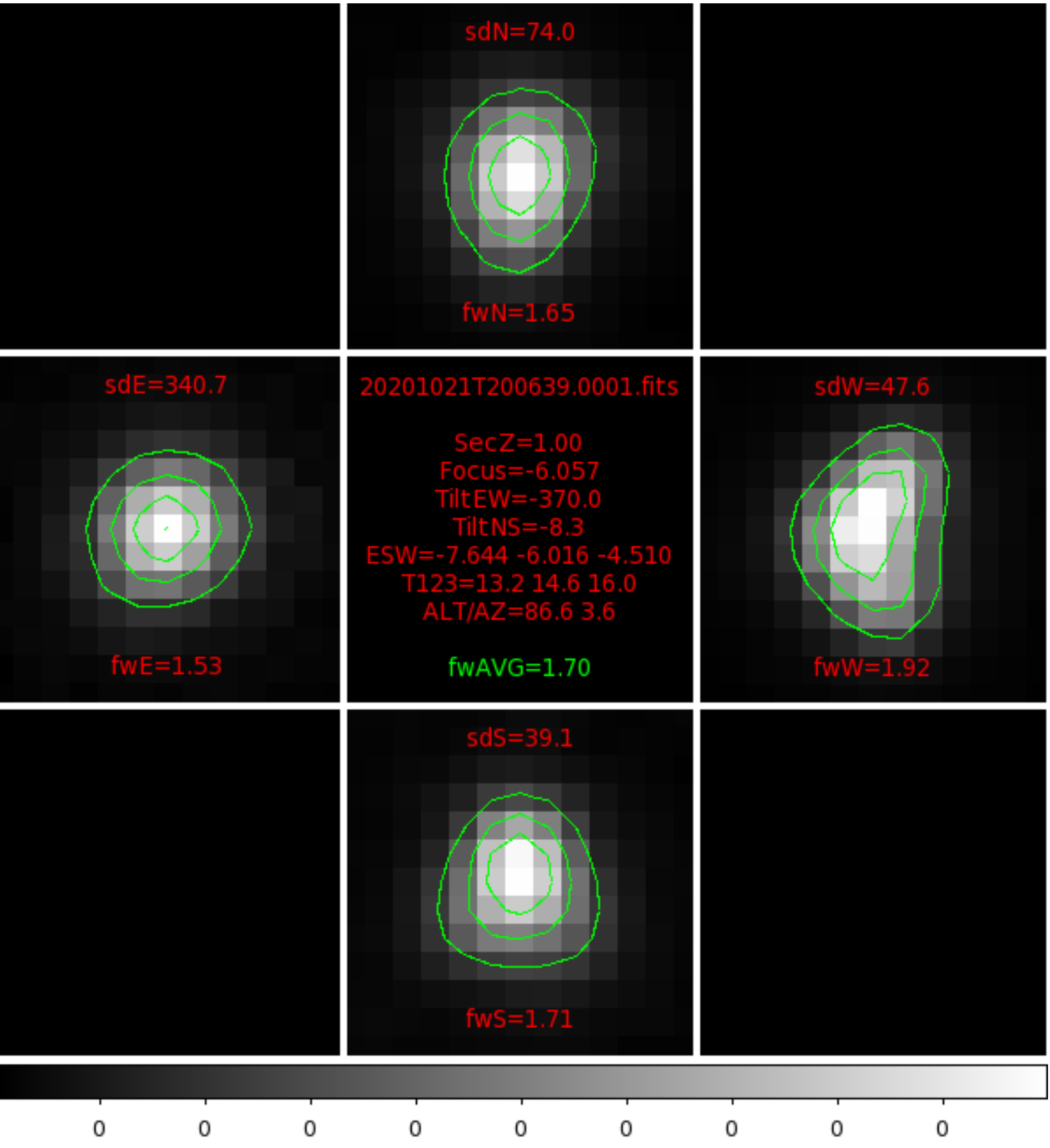
sdN=74.0
fwN=1.65
sdE=340.7
fwE=1.53
20201021T200639.0001.fits
SecZ=1.00
Focus=-6.057
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.644 -6.016 -4.510
T123=13.2 14.6 16.0
ALT/AZ=86.6 3.6
fwAVG=1.70
sdW=47.6
fwW=1.92
sdS=39.1
fwS=1.71
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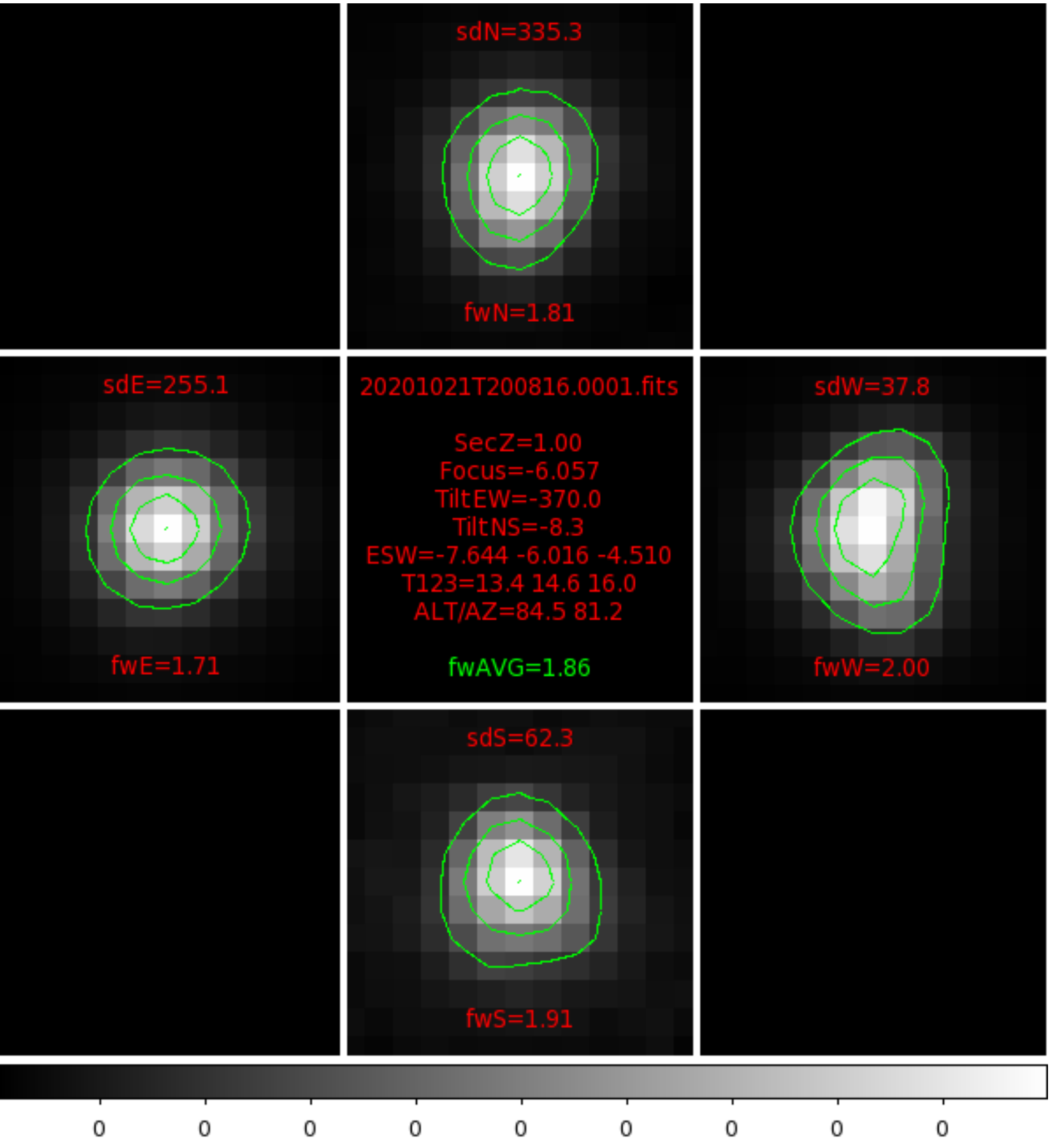
sdN=335.3
fwN=1.81
sdE=255.1
fwE=1.71
20201021T200816.0001.fits
SecZ=1.00
Focus=-6.057
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.644 -6.016 -4.510
T123=13.4 14.6 16.0
ALT/AZ=84.5 81.2
fwAVG=1.86
sdW=37.8
fwW=2.00
sdS=62.3
fwS=1.91
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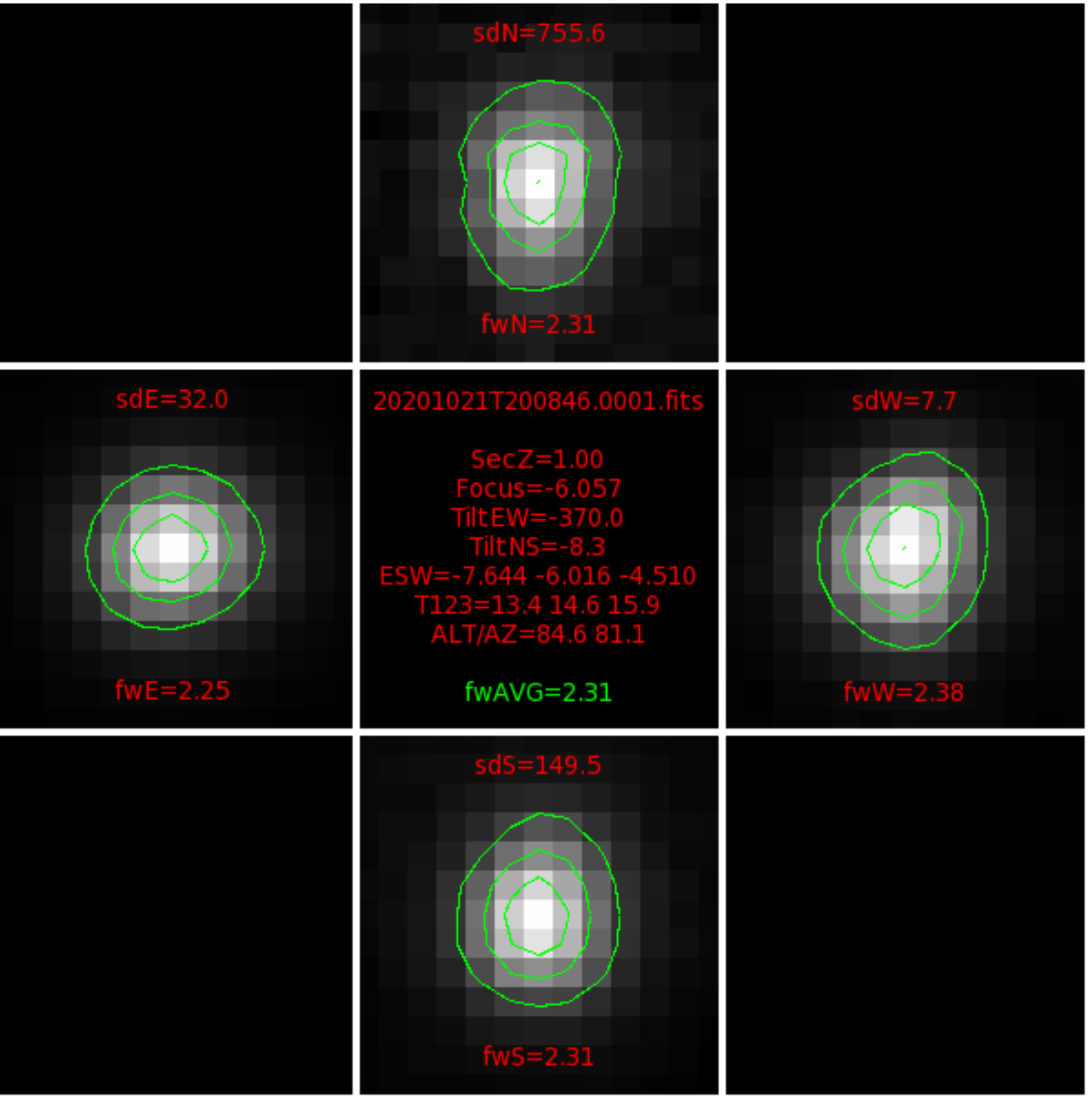
sdN=755.6
fwN=2.31
sdE=32.0
fwE=2.25
20201021T200846.0001.fits
SecZ=1.00
Focus=-6.057
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.644 -6.016 -4.510
T123=13.4 14.6 15.9
ALT/AZ=84.6 81.1
fwAVG=2.31
sdW=7.7
fwW=2.38
sdS=149.5
fwS=2.31
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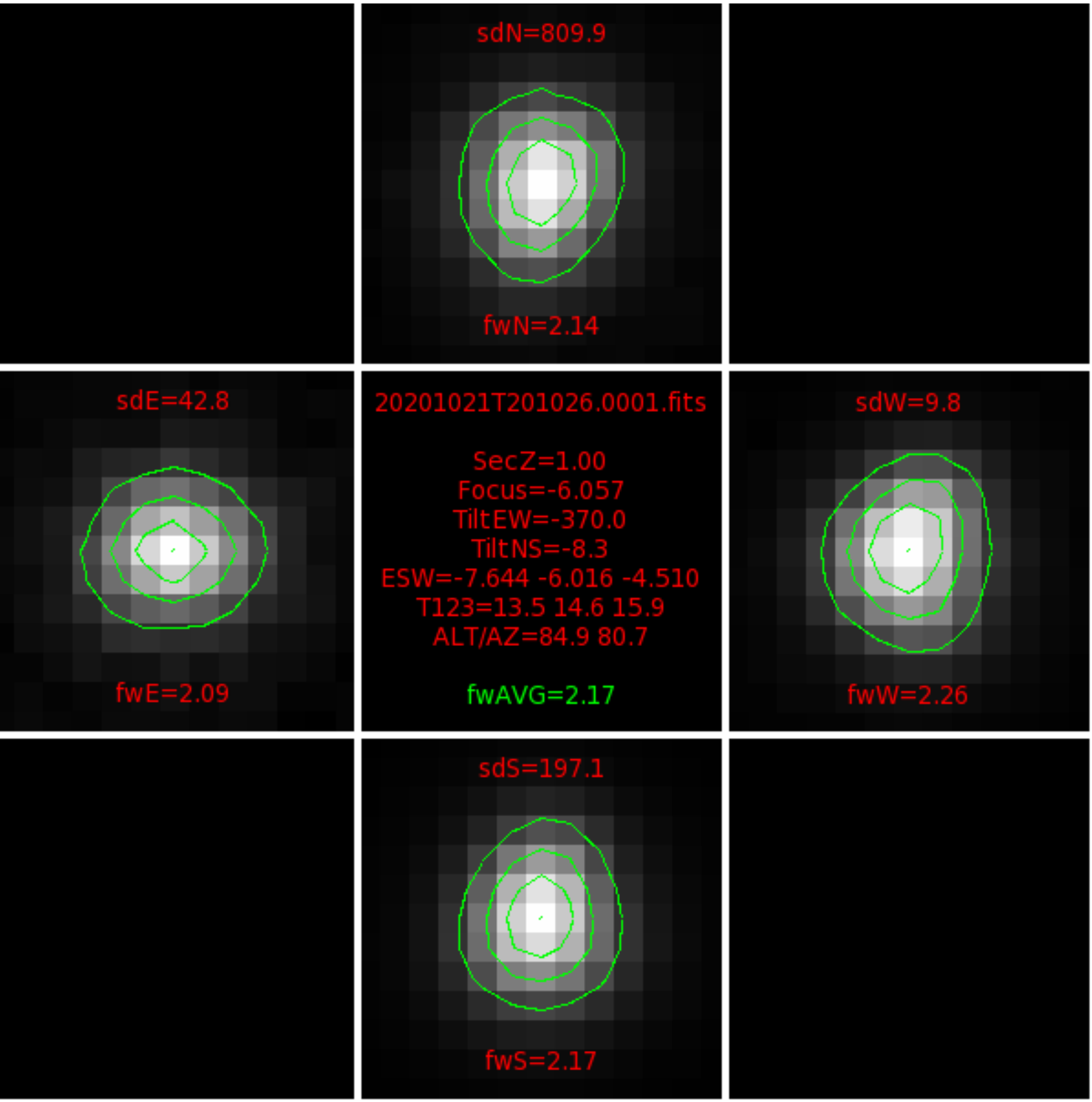
sdN=809.9
fwN=2.14
sdE=42.8
fwE=2.09
20201021T201026.0001.fits
SecZ=1.00
Focus=-6.057
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.644 -6.016 -4.510
T123=13.5 14.6 15.9
ALT/AZ=84.9 80.7
fwAVG=2.17
sdW=9.8
fwW=2.26
sdS=197.1
fwS=2.17
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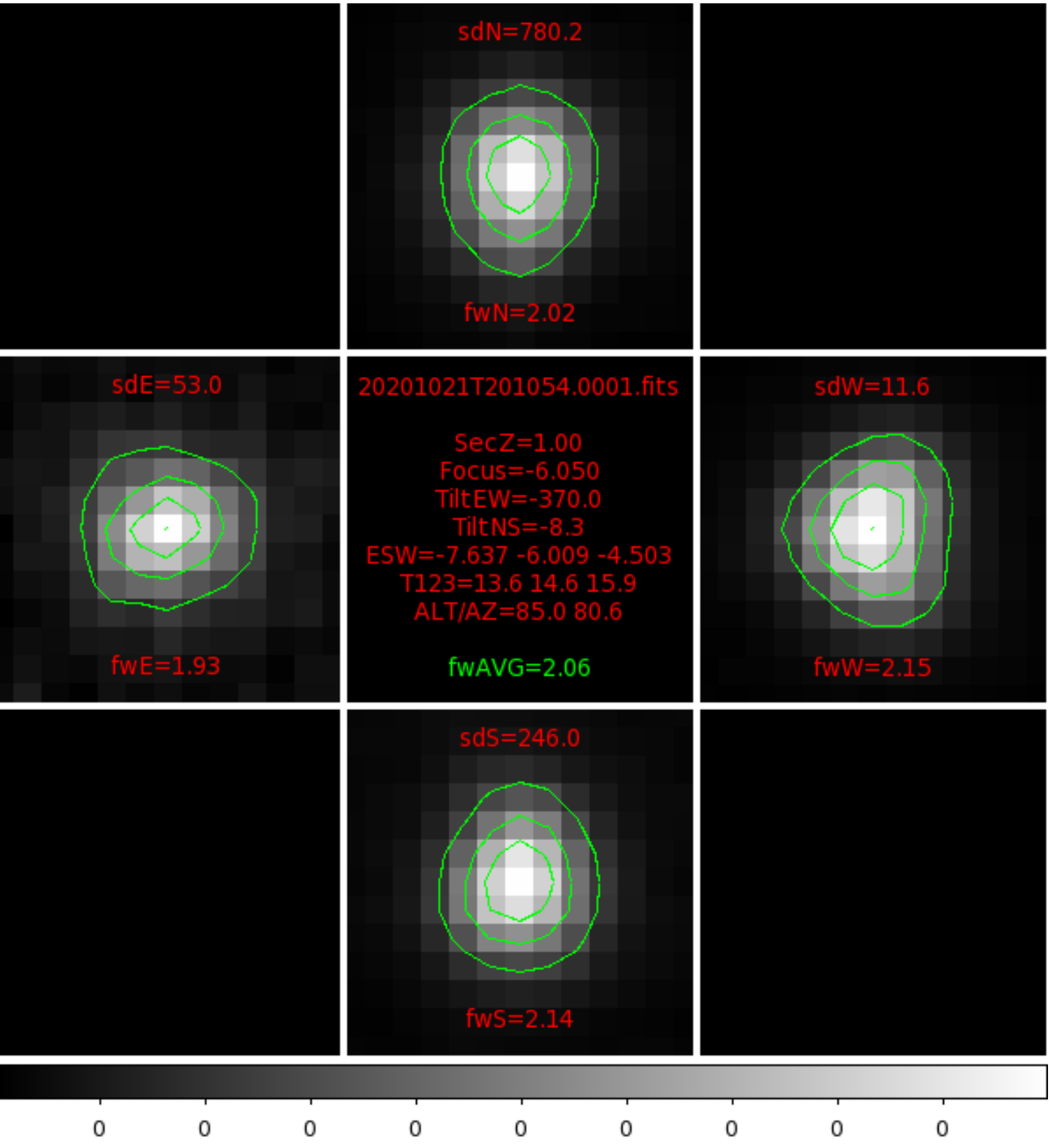
sdN=780.2
fwN=2.02
sdE=53.0
fwE=1.93
20201021T201054.0001.fits
SecZ=1.00
Focus=-6.050
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.637 -6.009 -4.503
T123=13.6 14.6 15.9
ALT/AZ=85.0 80.6
fwAVG=2.06
sdW=11.6
fwW=2.15
sdS=246.0
fwS=2.14
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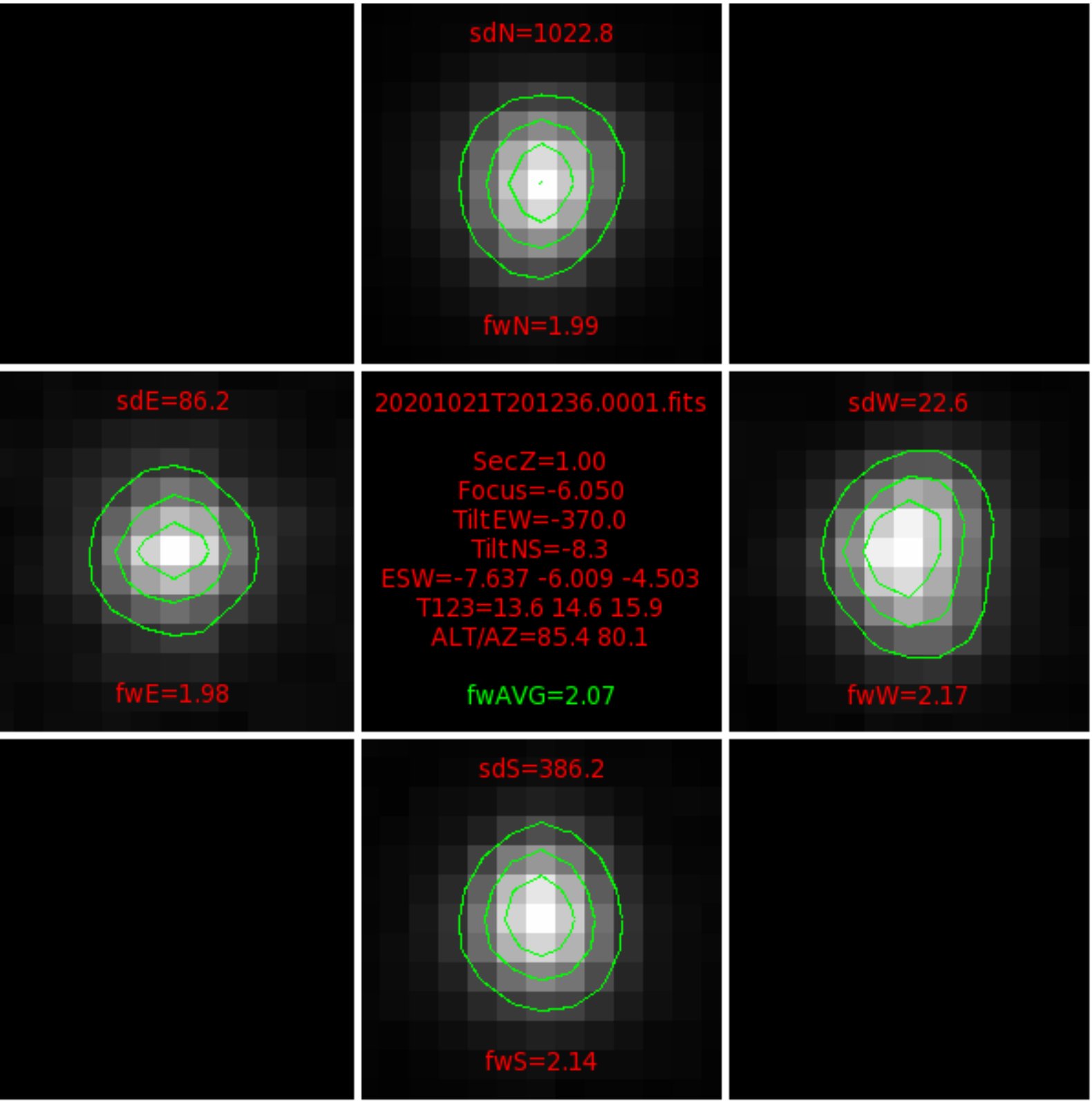
sdN=1022.8
fwN=1.99
sdE=86.2
fwE=1.98
20201021T201236.0001.fits
SecZ=1.00
Focus=-6.050
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.637 -6.009 -4.503
T123=13.6 14.6 15.9
ALT/AZ=85.4 80.1
fwAVG=2.07
sdW=22.6
fwW=2.17
sdS=386.2
fwS=2.14
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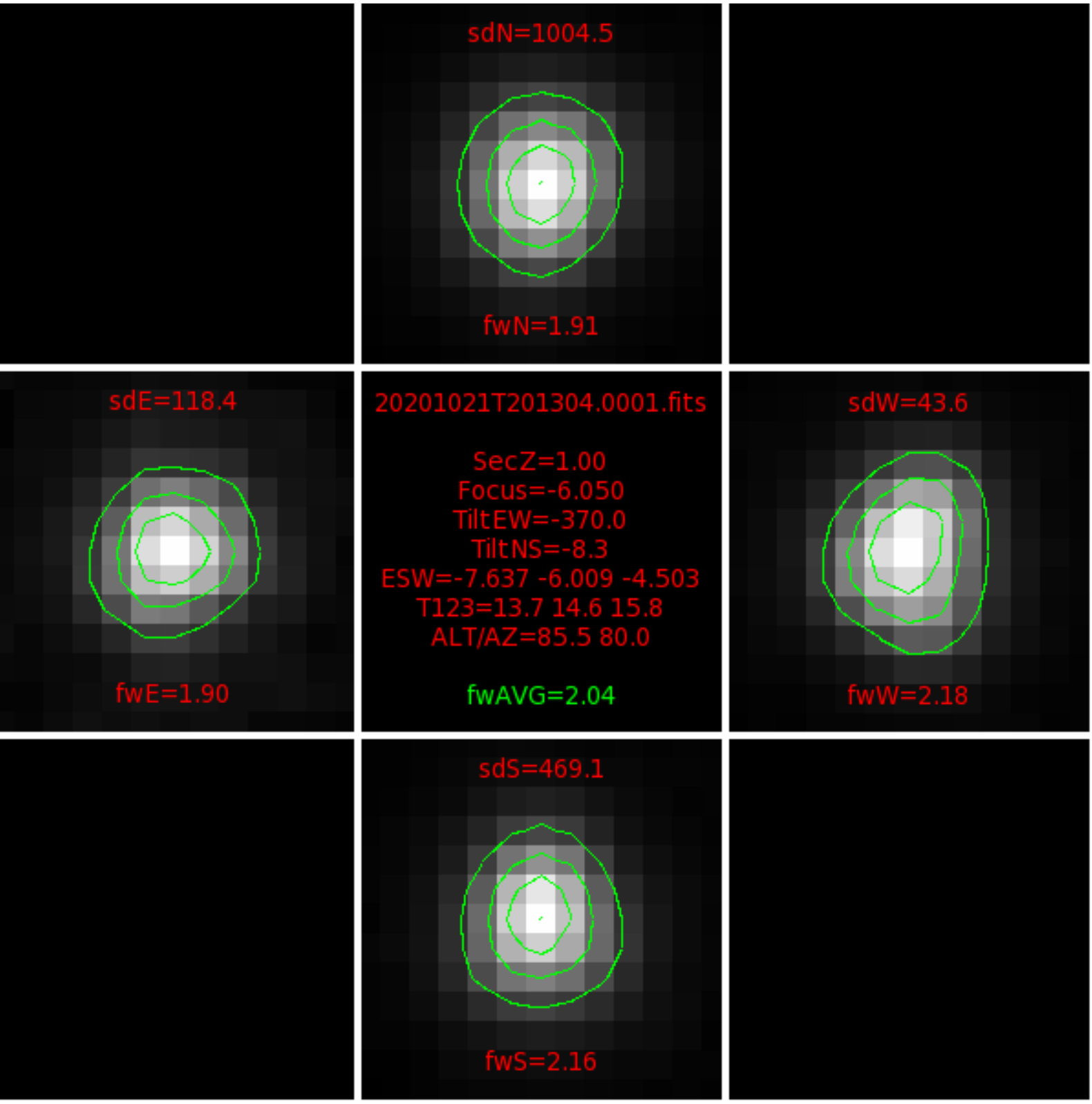
sdN=1004.5
fwN=1.91
sdE=118.4
fwE=1.90
20201021T201304.0001.fits
SecZ=1.00
Focus=-6.050
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.637 -6.009 -4.503
T123=13.7 14.6 15.8
ALT/AZ=85.5 80.0
fwAVG=2.04
sdW=43.6
fwW=2.18
sdS=469.1
fwS=2.16
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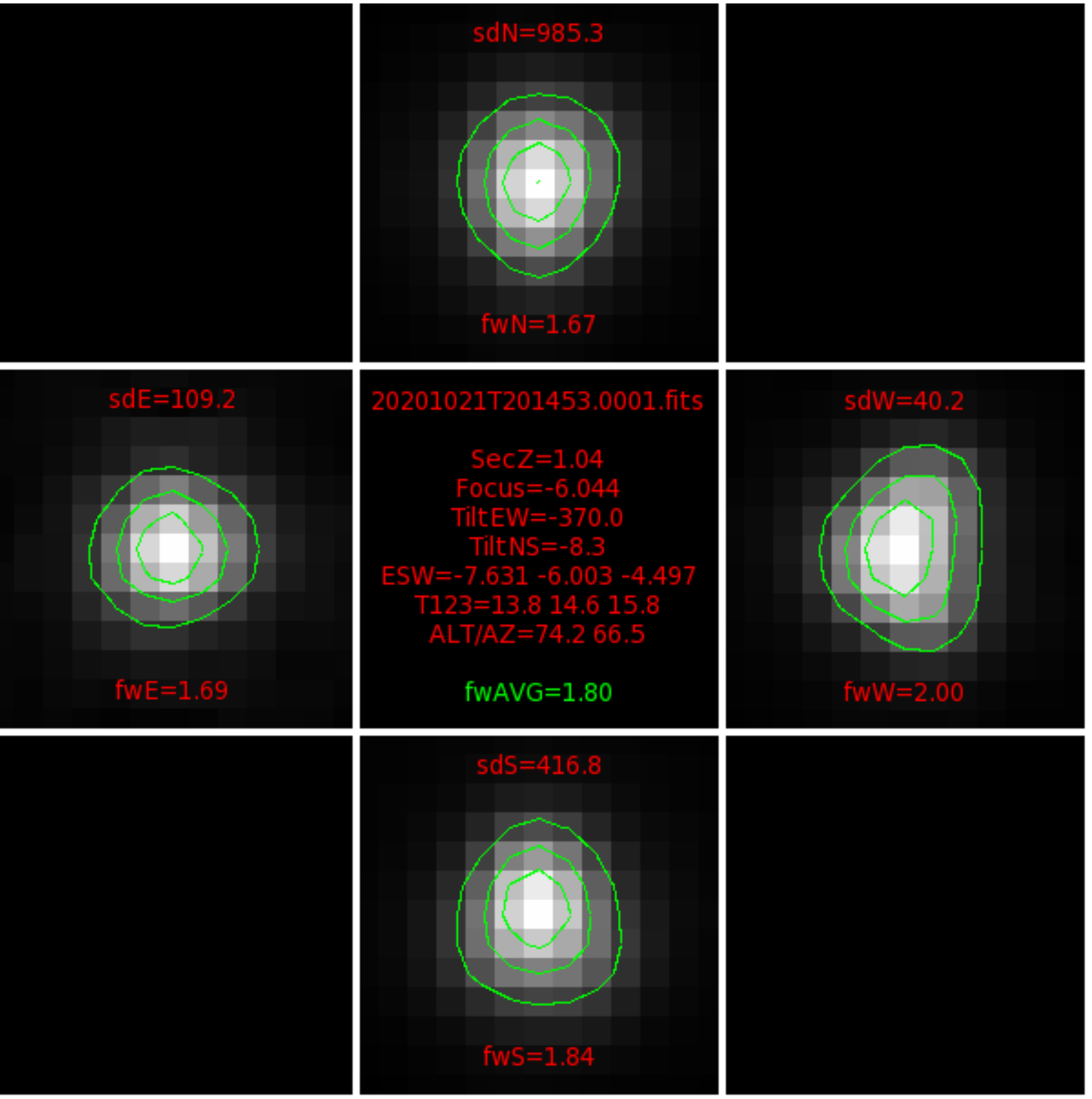
sdN=985.3
fwN=1.67
sdE=109.2
fwE=1.69
20201021T201453.0001.fits
SecZ=1.04
Focus=-6.044
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.631 -6.003 -4.497
T123=13.8 14.6 15.8
ALT/AZ=74.2 66.5
fwAVG=1.80
sdW=40.2
fwW=2.00
sdS=416.8
fwS=1.84
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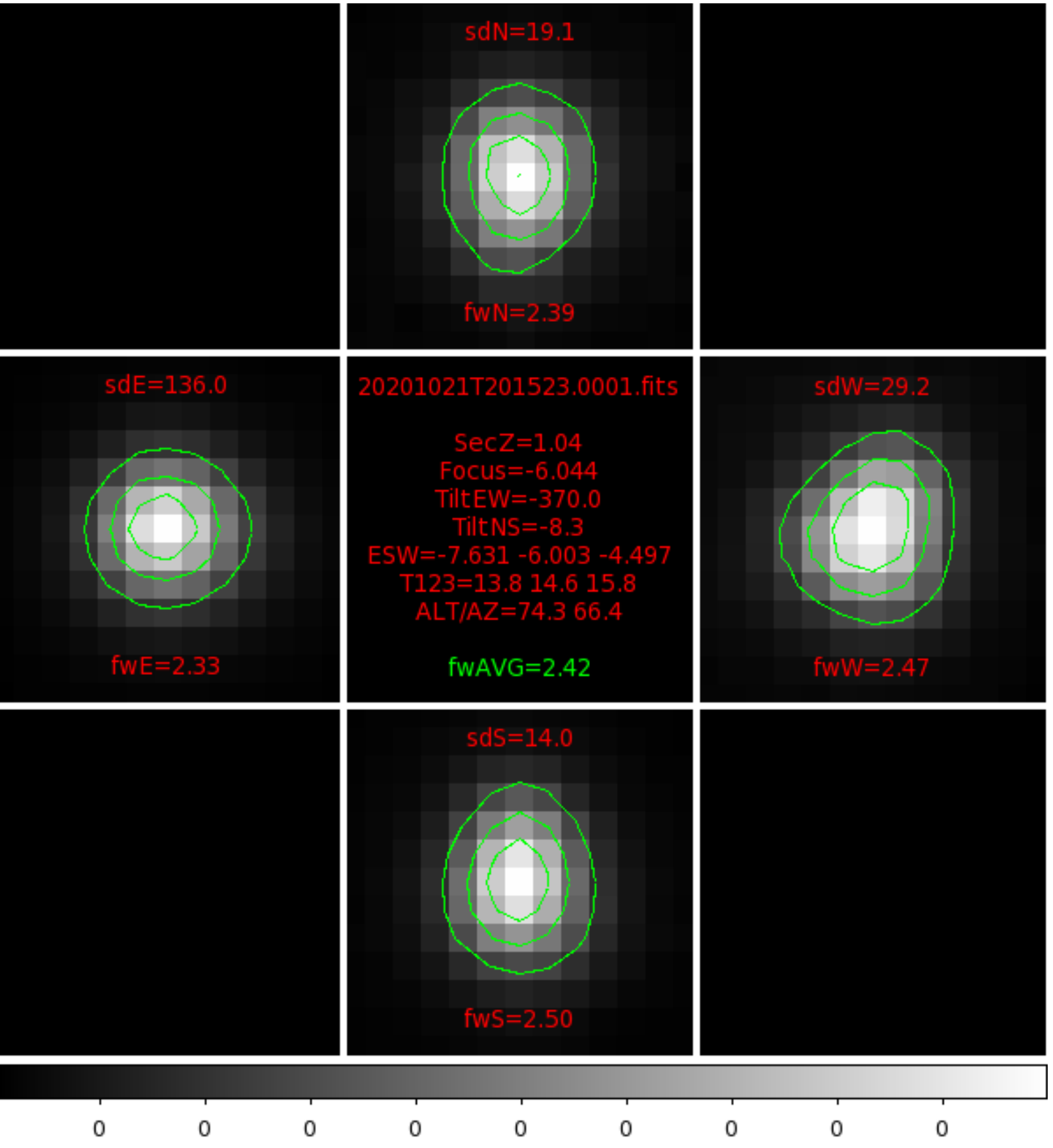
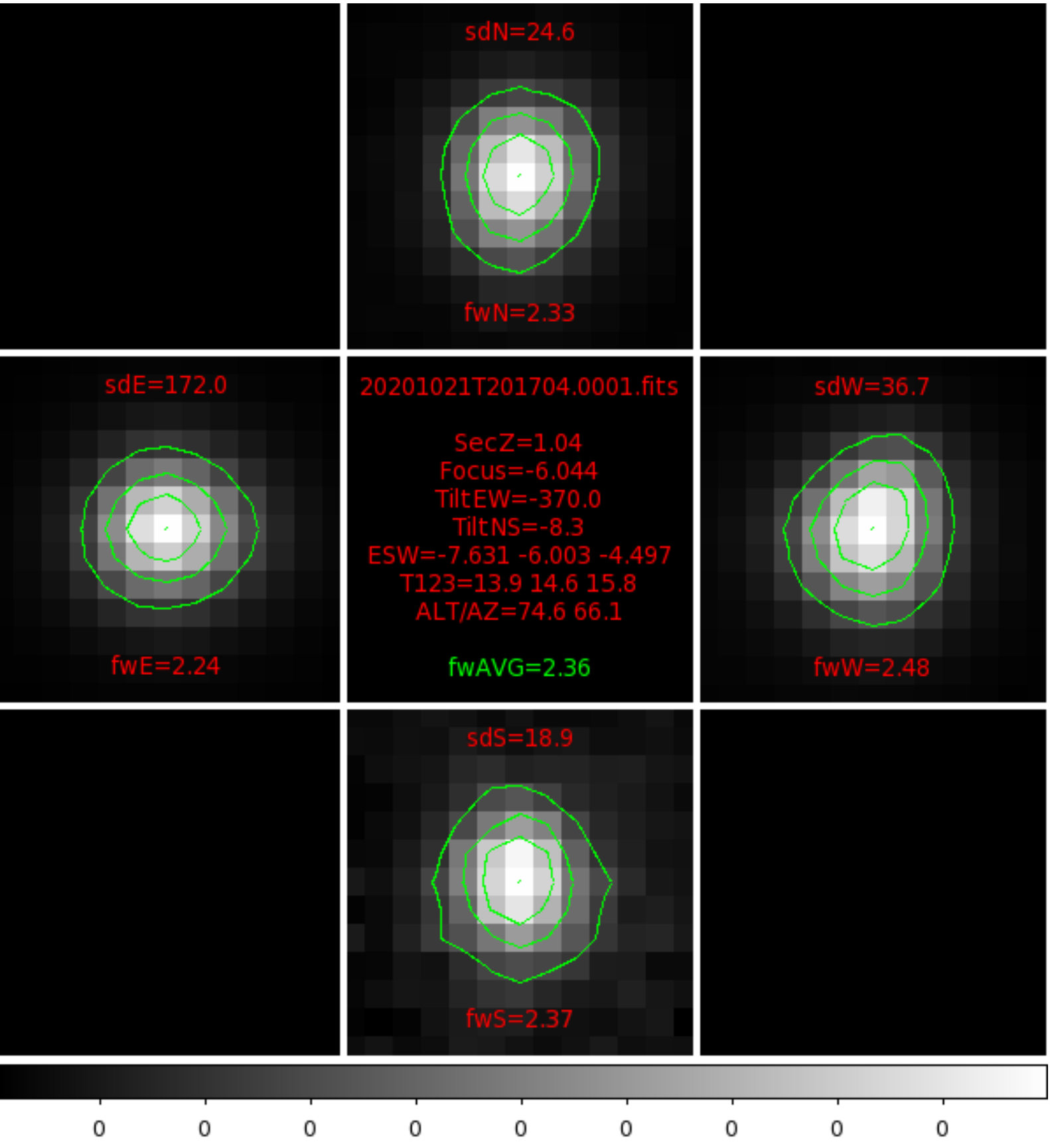

sdN=19.1
fwN=2.39
sdE=136.0
fwE=2.33
20201021T201523.0001.fits
SecZ=1.04
Focus=-6.044
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.631 -6.003 -4.497
T123=13.8 14.6 15.8
ALT/AZ=74.3 66.4
fwAVG=2.42
sdW=29.2
fwW=2.47
sdS=14.0
fwS=2.50
0 0 0 0 0 0 0 0 0


sdN=24.6
fwN=2.33
sdE=172.0
fwE=2.24
20201021T201704.0001.fits
SecZ=1.04
Focus=-6.044
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.631 -6.003 -4.497
T123=13.9 14.6 15.8
ALT/AZ=74.6 66.1
fwAVG=2.36
sdW=36.7
fwW=2.48
sdS=18.9
fwS=2.37
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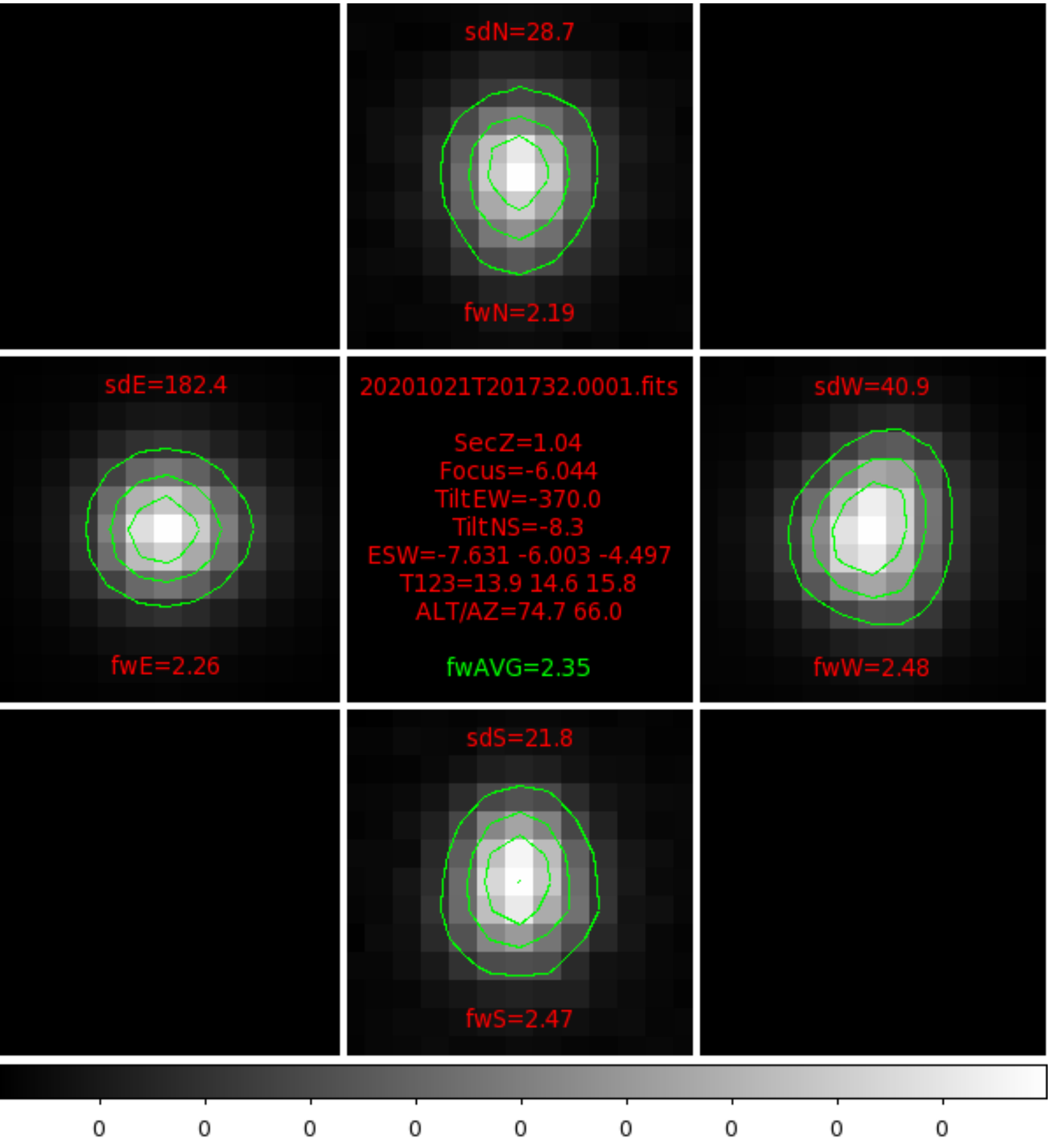
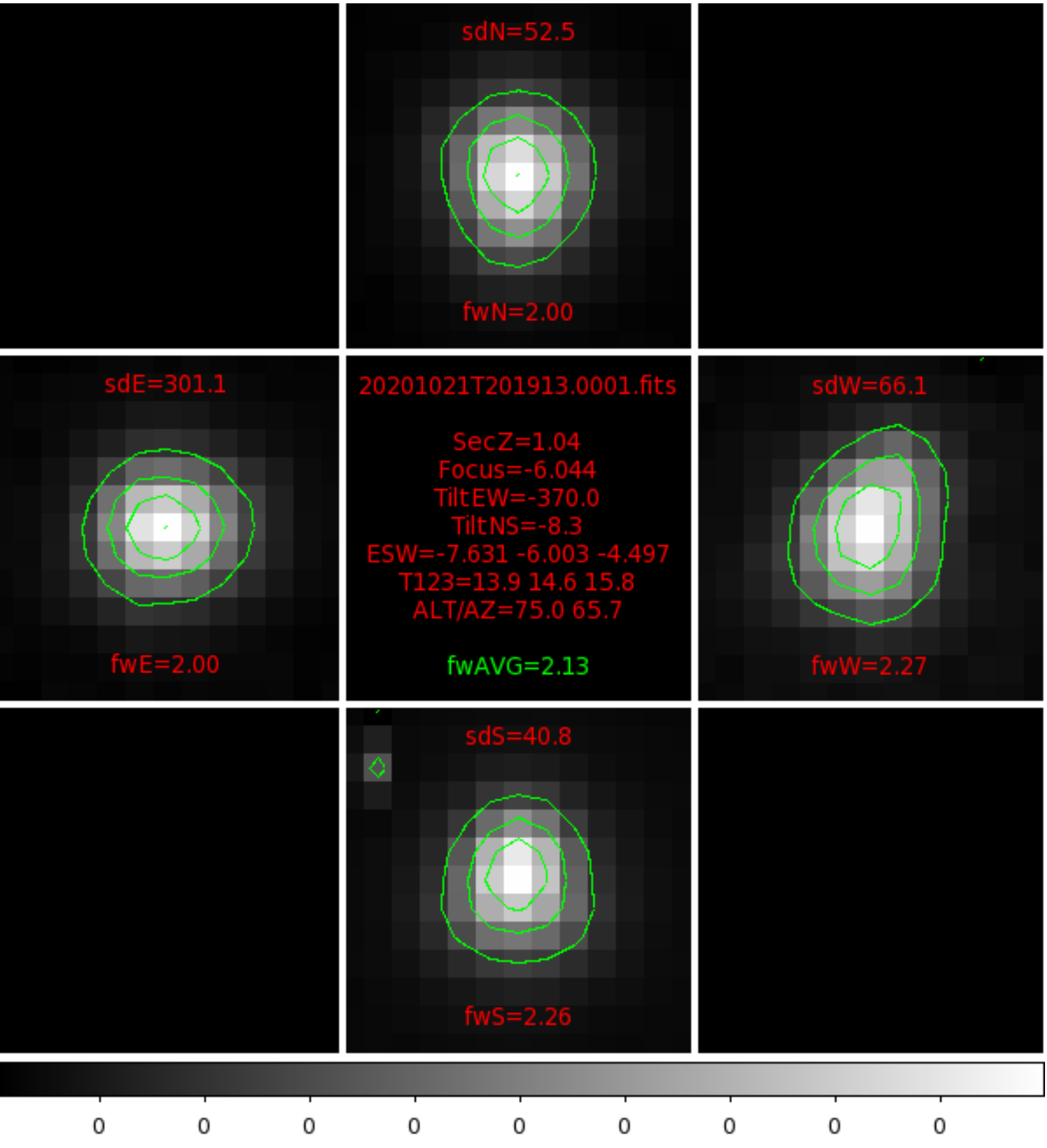
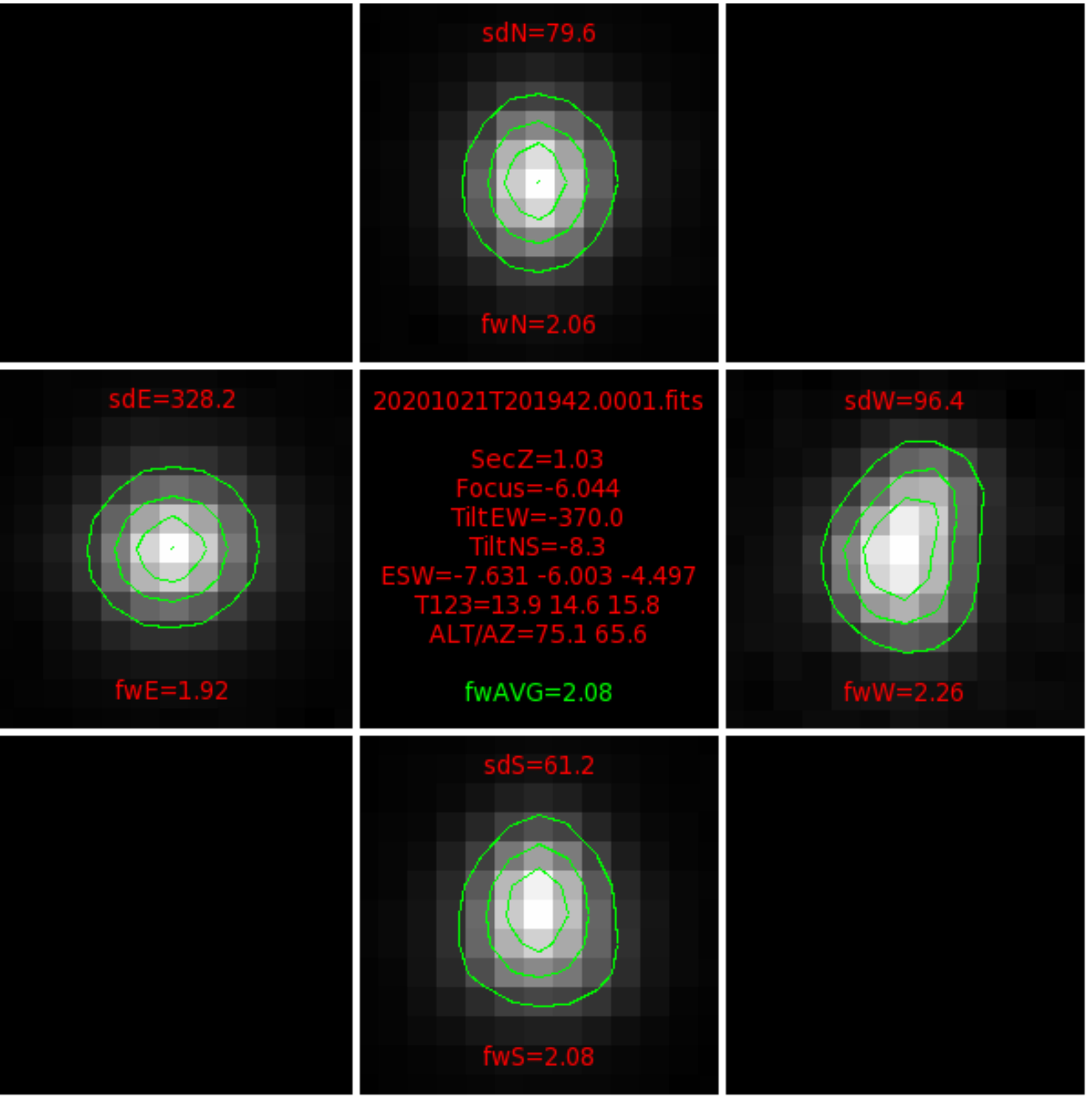
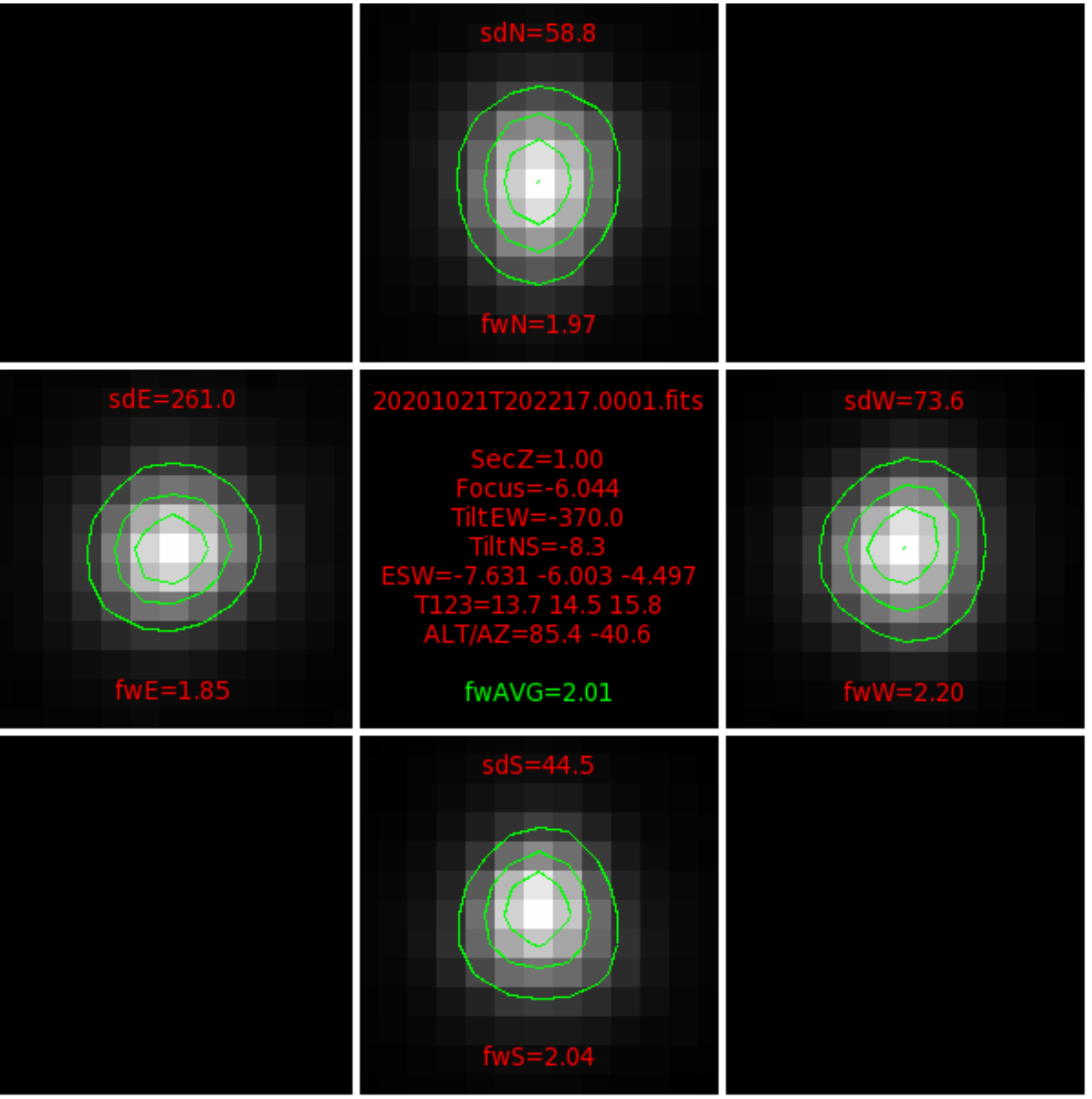

sdN=28.7
fwN=2.19
sdE=182.4
fwE=2.26
20201021T201732.0001.fits
SecZ=1.04
Focus=-6.044
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.631 -6.003 -4.497
T123=13.9 14.6 15.8
ALT/AZ=74.7 66.0
fwAVG=2.35
sdW=40.9
fwW=2.48
sdS=21.8
fwS=2.47
0 0 0 0 0 0 0 0 0


sdN=52.5
fwN=2.00
sdE=301.1
fwE=2.00
20201021T201913.0001.fits
SecZ=1.04
Focus=-6.044
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.631 -6.003 -4.497
T123=13.9 14.6 15.8
ALT/AZ=75.0 65.7
fwAVG=2.13
sdW=66.1
fwW=2.27
sdS=40.8
fwS=2.26
0 0 0 0 0 0 0 0 0


sdN=79.6
fwN=2.06
sdE=328.2
fwE=1.92
20201021T201942.0001.fits
SecZ=1.03
Focus=-6.044
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.631 -6.003 -4.497
T123=13.9 14.6 15.8
ALT/AZ=75.1 65.6
fwAVG=2.08
sdW=96.4
fwW=2.26
sdS=61.2
fwS=2.08
0 0 0 0 0 0 0 0 0


sdN=58.8
fwN=1.97
sdE=261.0
fwE=1.85
20201021T202217.0001.fits
SecZ=1.00
Focus=-6.044
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.631 -6.003 -4.497
T123=13.7 14.5 15.8
ALT/AZ=85.4 -40.6
fwAVG=2.01
sdW=73.6
fwW=2.20
sdS=44.5
fwS=2.04
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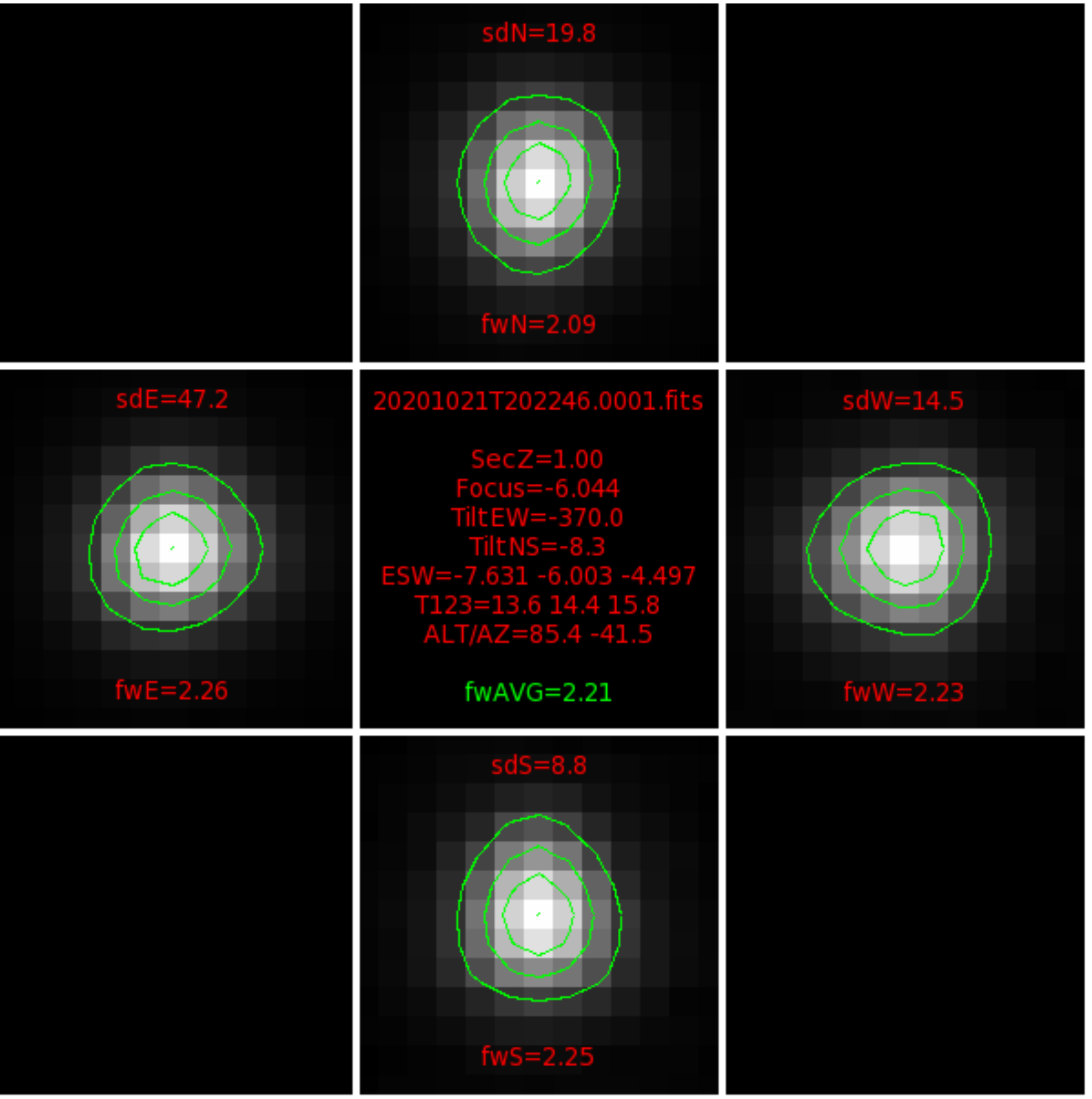
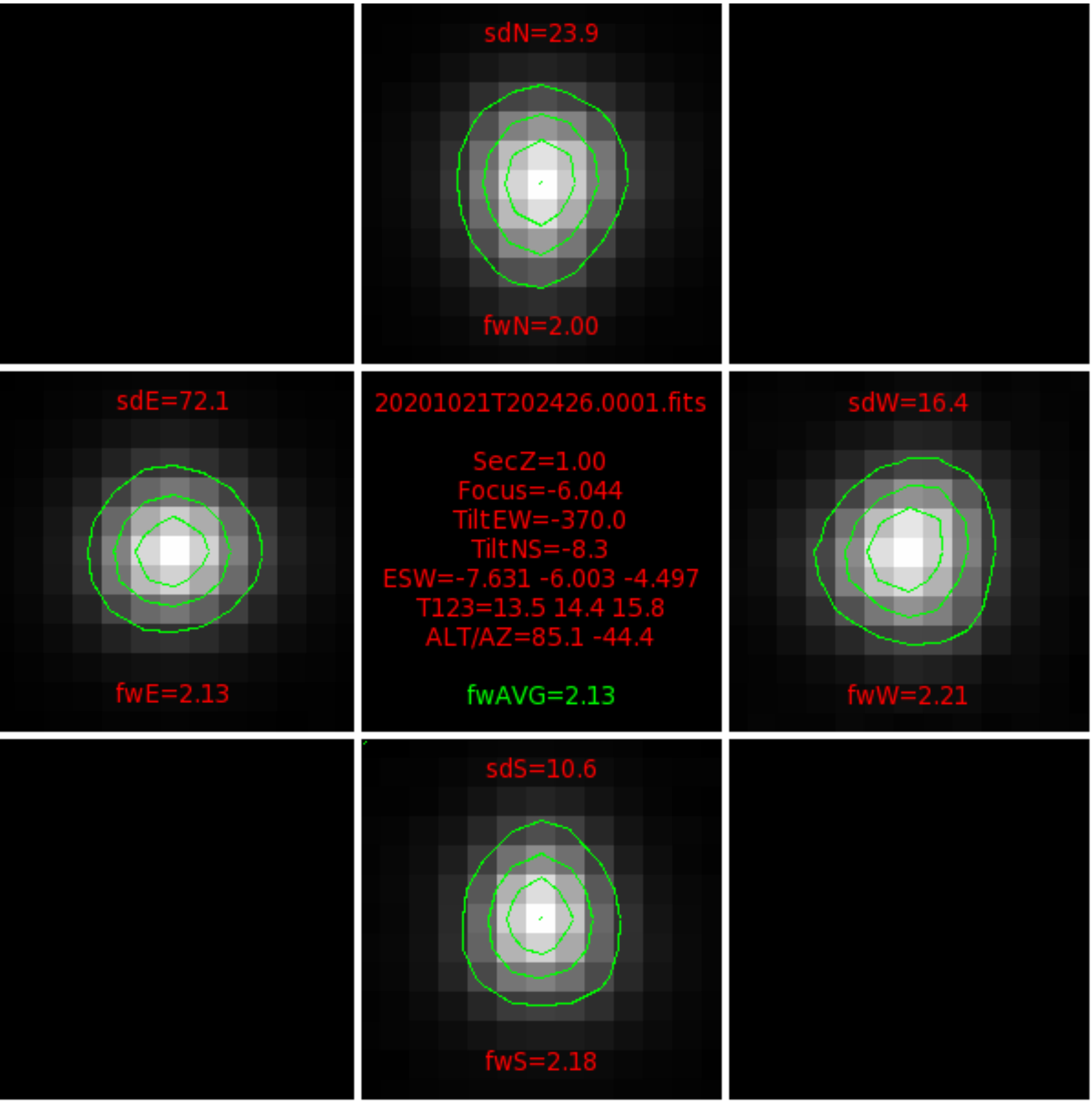

sdN=19.8
fwN=2.09
sdE=47.2
fwE=2.26
20201021T202246.0001.fits
SecZ=1.00
Focus=-6.044
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.631 -6.003 -4.497
T123=13.6 14.4 15.8
ALT/AZ=85.4 -41.5
fwAVG=2.21
sdW=14.5
fwW=2.23
sdS=8.8
fwS=2.25
0 0 0 0 0 0 0 0 0


sdN=23.9
fwN=2.00
sdE=72.1
fwE=2.13
20201021T202426.0001.fits
SecZ=1.00
Focus=-6.044
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.631 -6.003 -4.497
T123=13.5 14.4 15.8
ALT/AZ=85.1 -44.4
fwAVG=2.13
sdW=16.4
fwW=2.21
sdS=10.6
fwS=2.18
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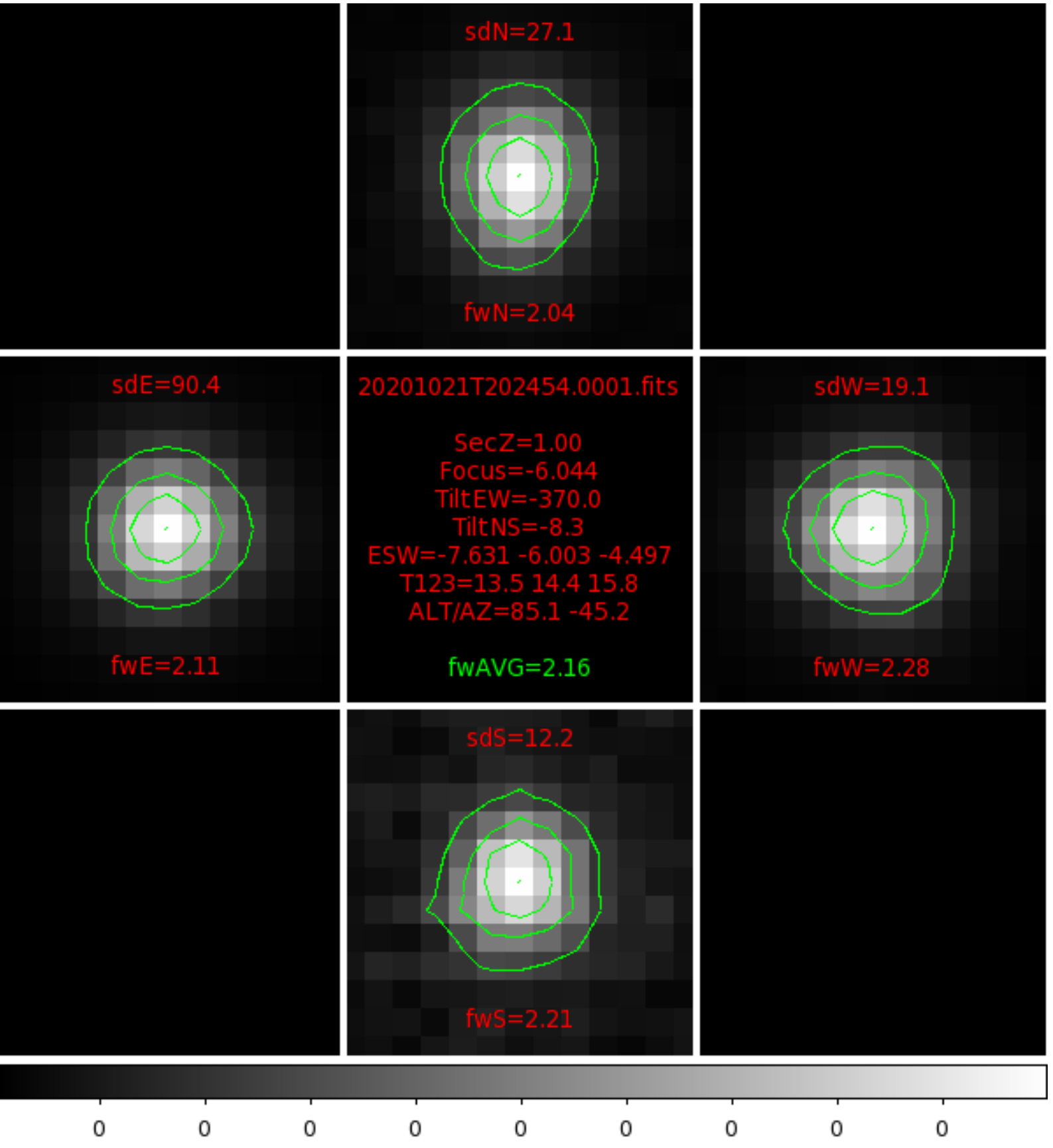
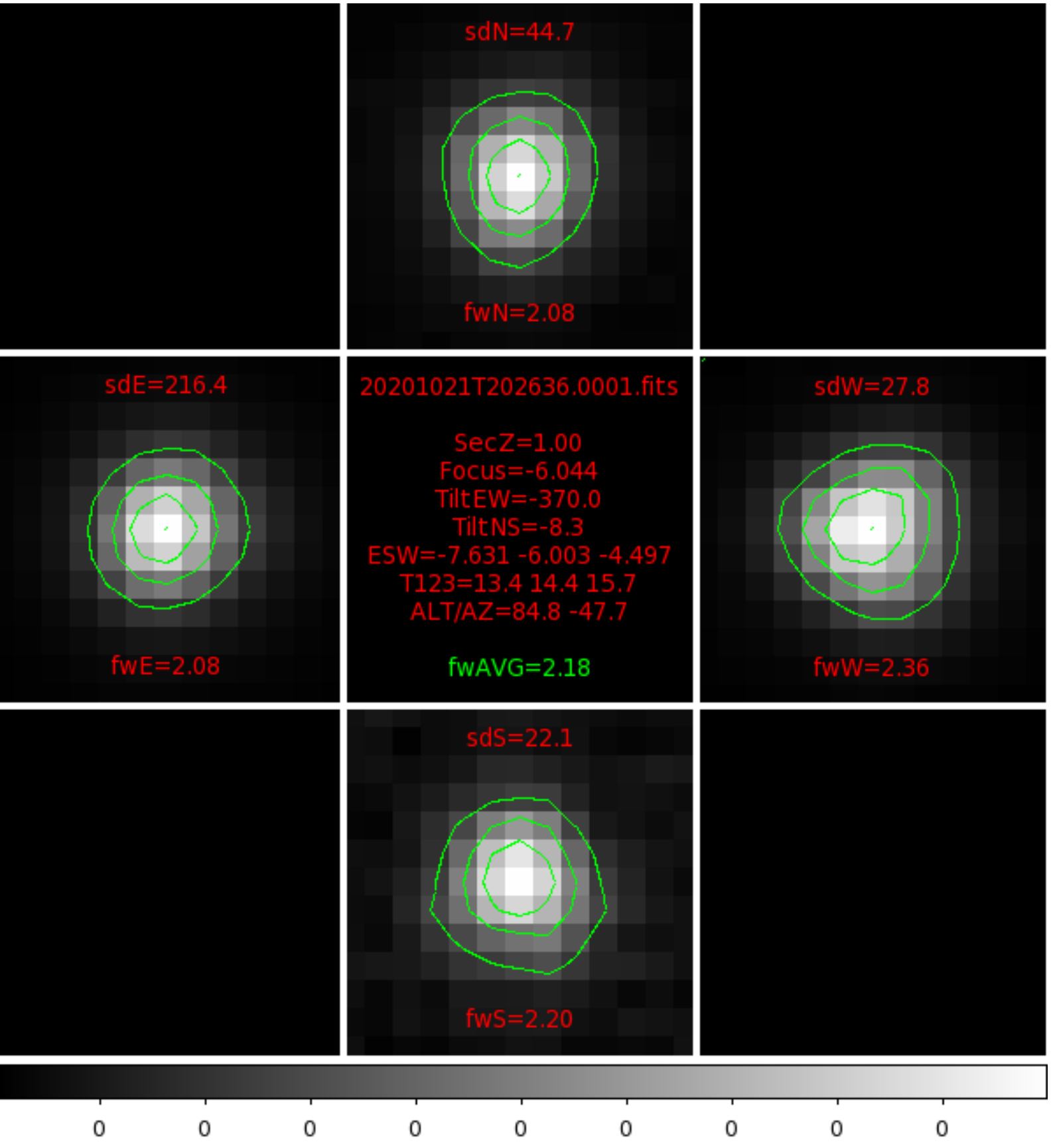

sdN=27.1
fwN=2.04
sdE=90.4
fwE=2.11
20201021T202454.0001.fits
SecZ=1.00
Focus=-6.044
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.631 -6.003 -4.497
T123=13.5 14.4 15.8
ALT/AZ=85.1 -45.2
fwAVG=2.16
sdW=19.1
fwW=2.28
sdS=12.2
fwS=2.21
0 0 0 0 0 0 0 0 0


sdN=44.7
fwN=2.08
sdE=216.4
fwE=2.08
20201021T202636.0001.fits
SecZ=1.00
Focus=-6.044
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.631 -6.003 -4.497
T123=13.4 14.4 15.7
ALT/AZ=84.8 -47.7
fwAVG=2.18
sdW=27.8
fwW=2.36
sdS=22.1
fwS=2.20
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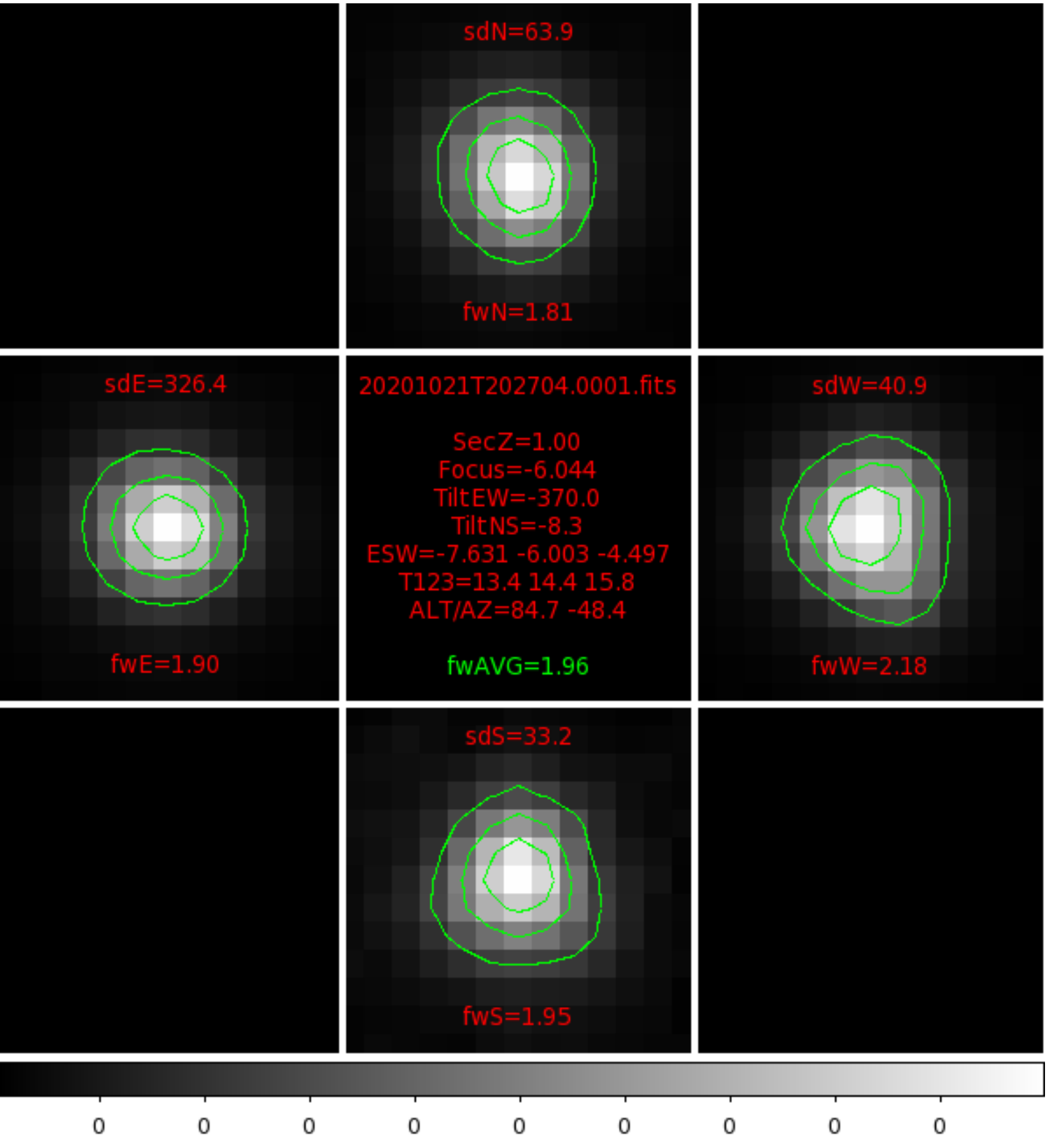
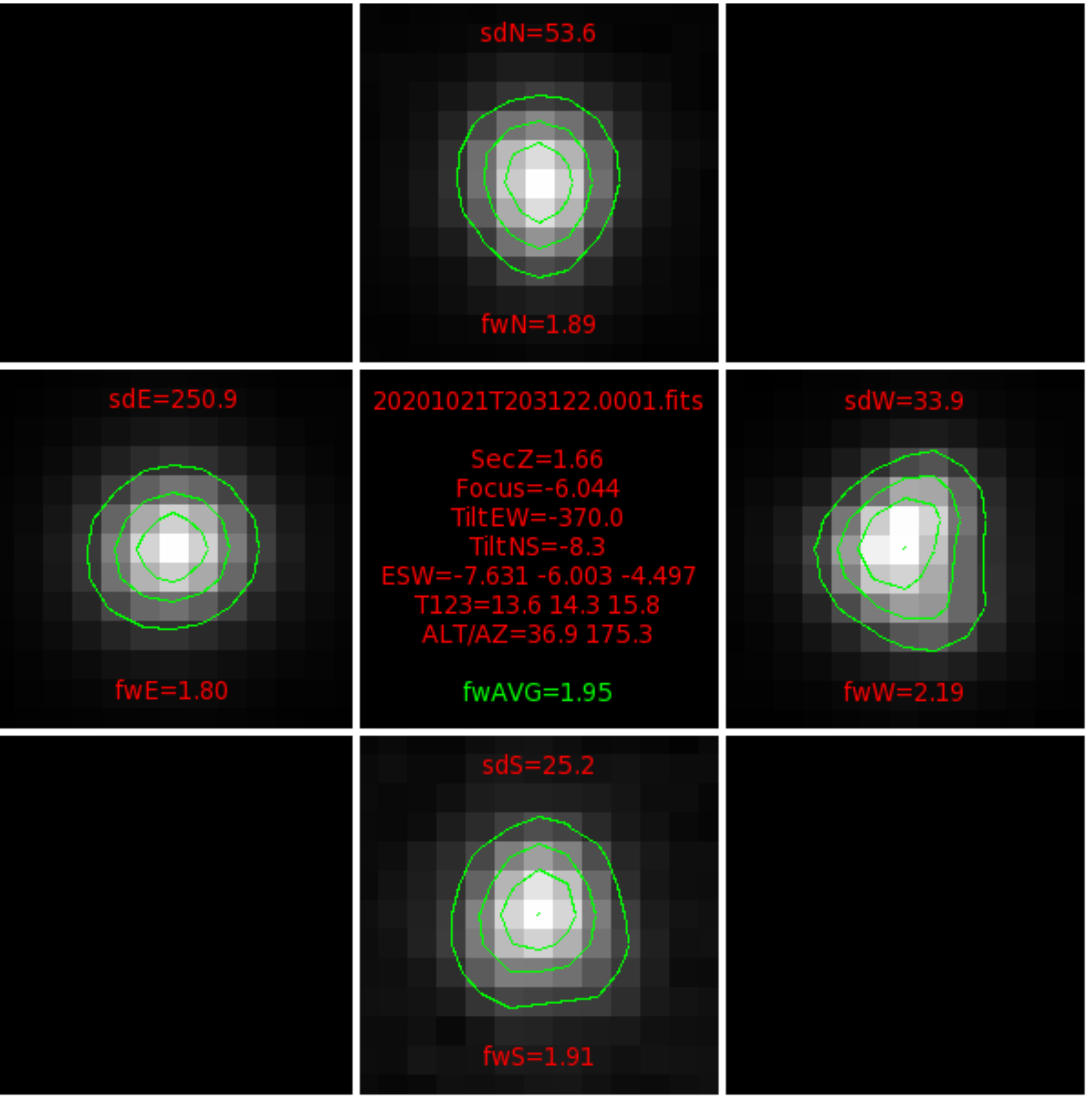

sdN=63.9
fwN=1.81
sdE=326.4
fwE=1.90
20201021T202704.0001.fits
SecZ=1.00
Focus=-6.044
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.631 -6.003 -4.497
T123=13.4 14.4 15.8
ALT/AZ=84.7 -48.4
fwAVG=1.96
sdW=40.9
fwW=2.18
sdS=33.2
fwS=1.95
0 0 0 0 0 0 0 0 0


sdN=53.6
fwN=1.89
sdE=250.9
fwE=1.80
20201021T203122.0001.fits
SecZ=1.66
Focus=-6.044
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.631 -6.003 -4.497
T123=13.6 14.3 15.8
ALT/AZ=36.9 175.3
fwAVG=1.95
sdW=33.9
fwW=2.19
sdS=25.2
fwS=1.91
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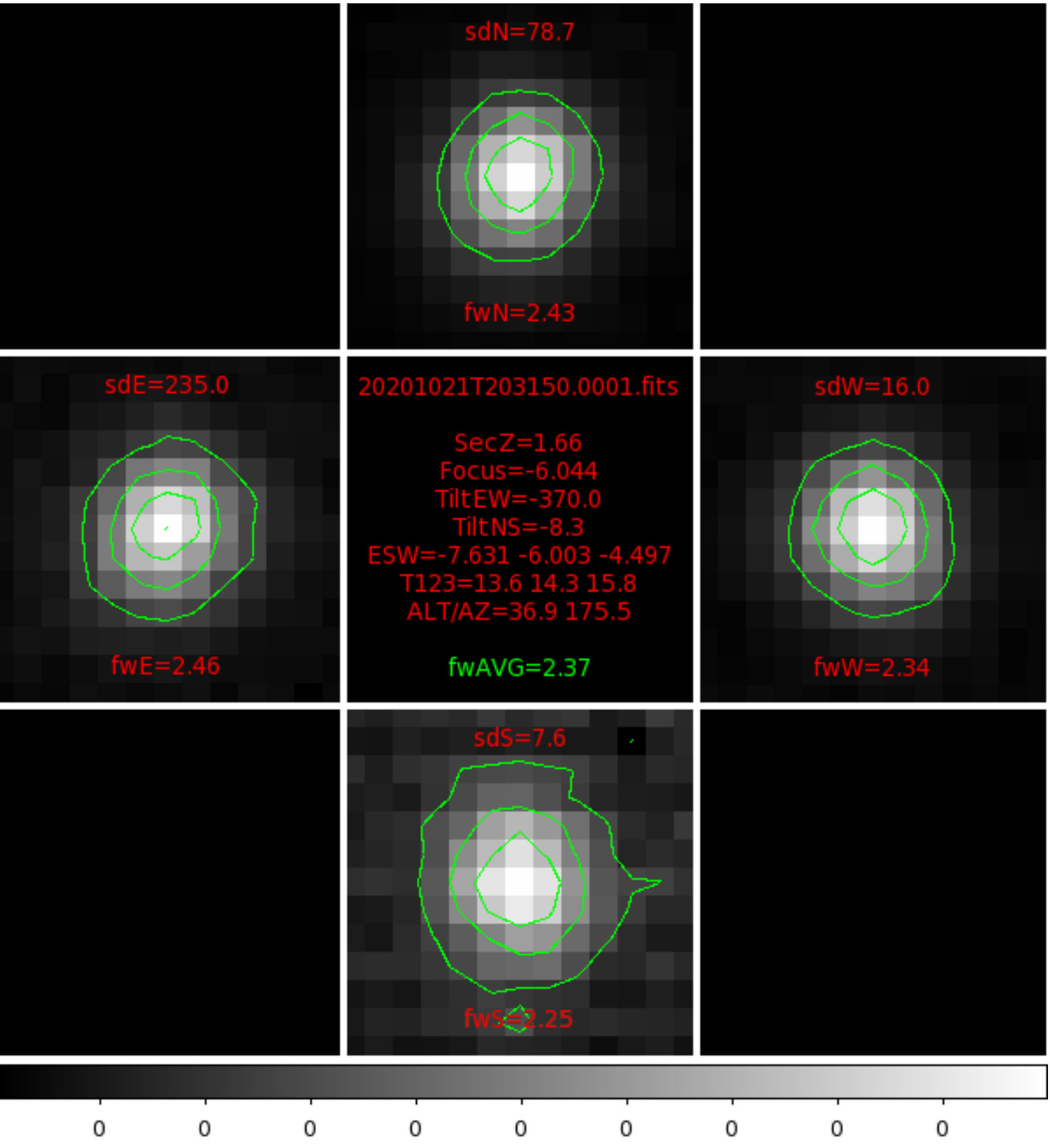
sdN=78.7
fwN=2.43
sdE=235.0
fwE=2.46
20201021T203150.0001.fits
SecZ=1.66
Focus=-6.044
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.631 -6.003 -4.497
T123=13.6 14.3 15.8
ALT/AZ=36.9 175.5
fwAVG=2.37
sdW=16.0
fwW=2.34
sdS=7.6
fwS=2.25
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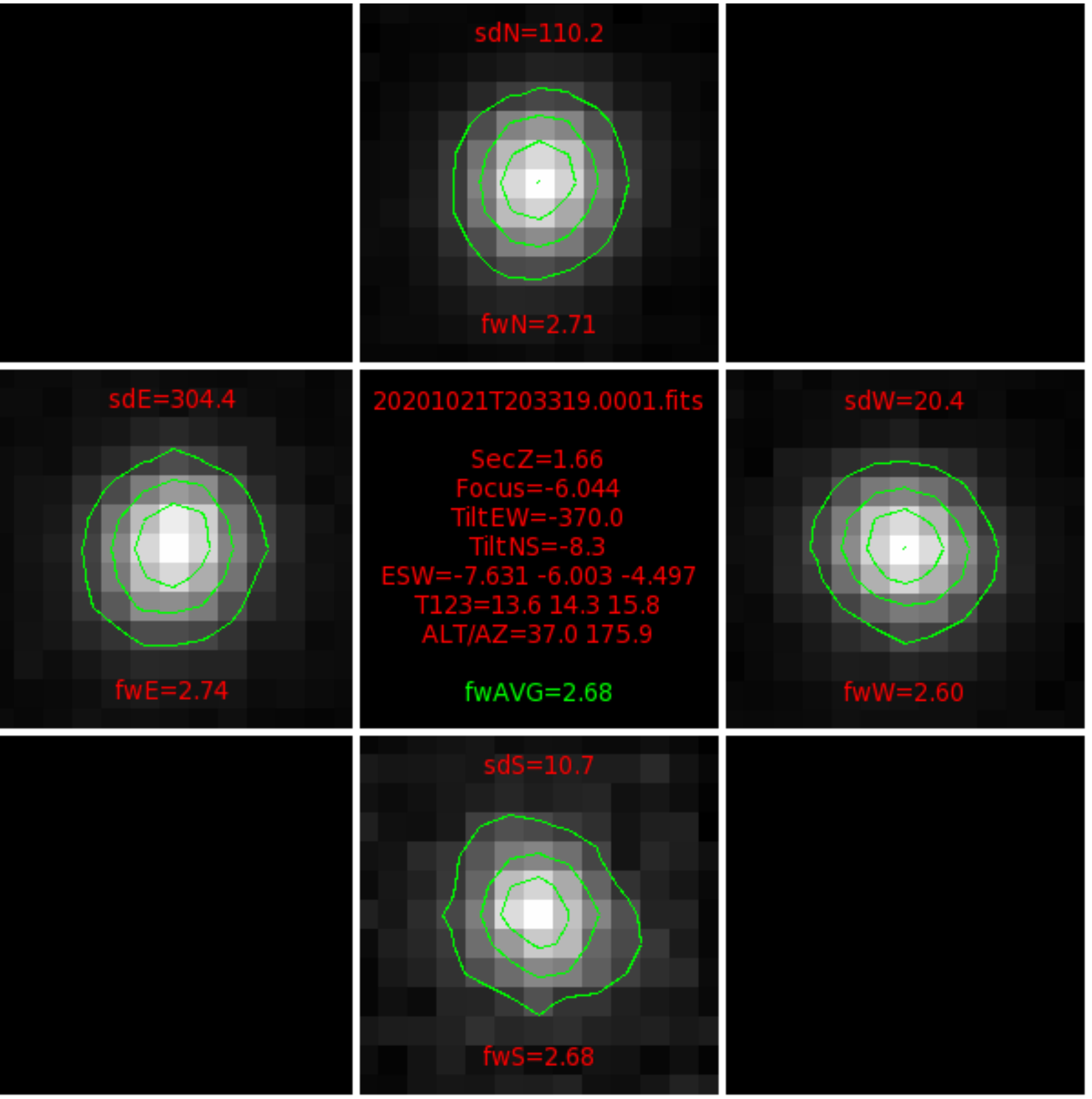
sdN=110.2
fwN=2.71
sdE=304.4
fwE=2.74
20201021T203319.0001.fits
SecZ=1.66
Focus=-6.044
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.631 -6.003 -4.497
T123=13.6 14.3 15.8
ALT/AZ=37.0 175.9
fwAVG=2.68
sdW=20.4
fwW=2.60
sdS=10.7
fwS=2.68
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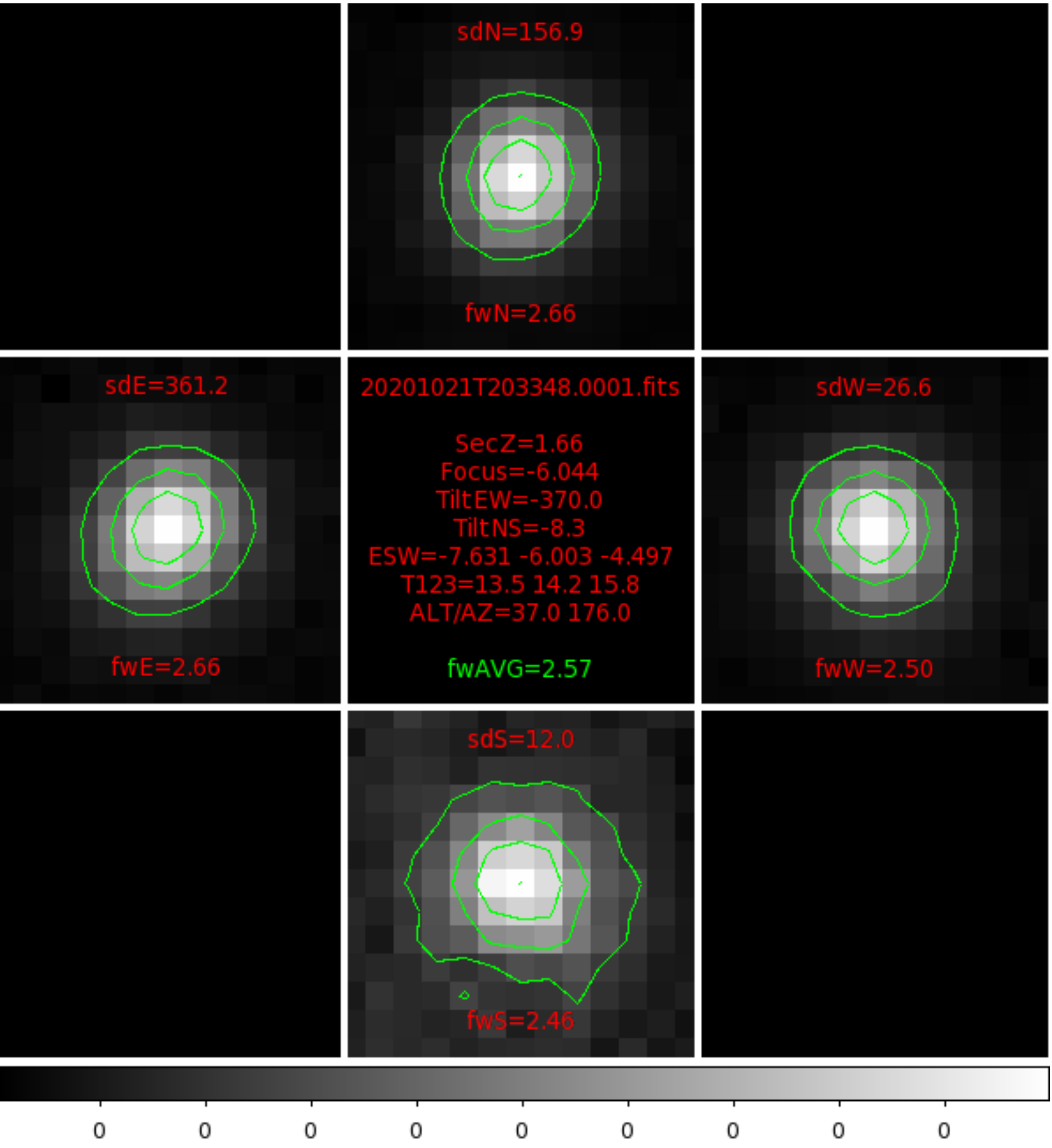
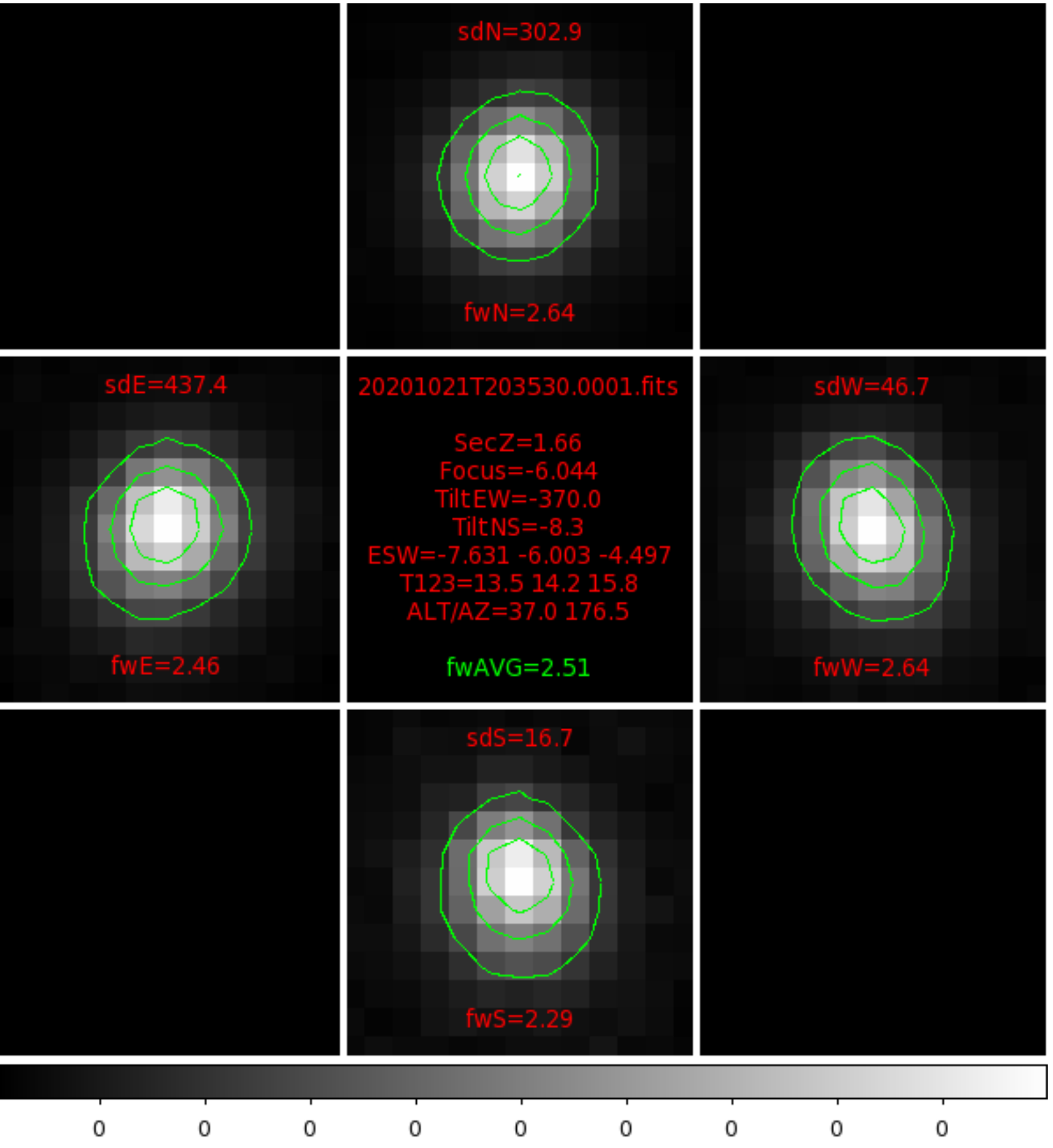

sdN=156.9
fwN=2.66
sdE=361.2
fwE=2.66
20201021T203348.0001.fits
SecZ=1.66
Focus=-6.044
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.631 -6.003 -4.497
T123=13.5 14.2 15.8
ALT/AZ=37.0 176.0
fwAVG=2.57
sdW=26.6
fwW=2.50
sdS=12.0
fwS=2.46
0 0 0 0 0 0 0 0 0


sdN=302.9
fwN=2.64
sdE=437.4
fwE=2.46
20201021T203530.0001.fits
SecZ=1.66
Focus=-6.044
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.631 -6.003 -4.497
T123=13.5 14.2 15.8
ALT/AZ=37.0 176.5
fwAVG=2.51
sdW=46.7
fwW=2.64
sdS=16.7
fwS=2.29
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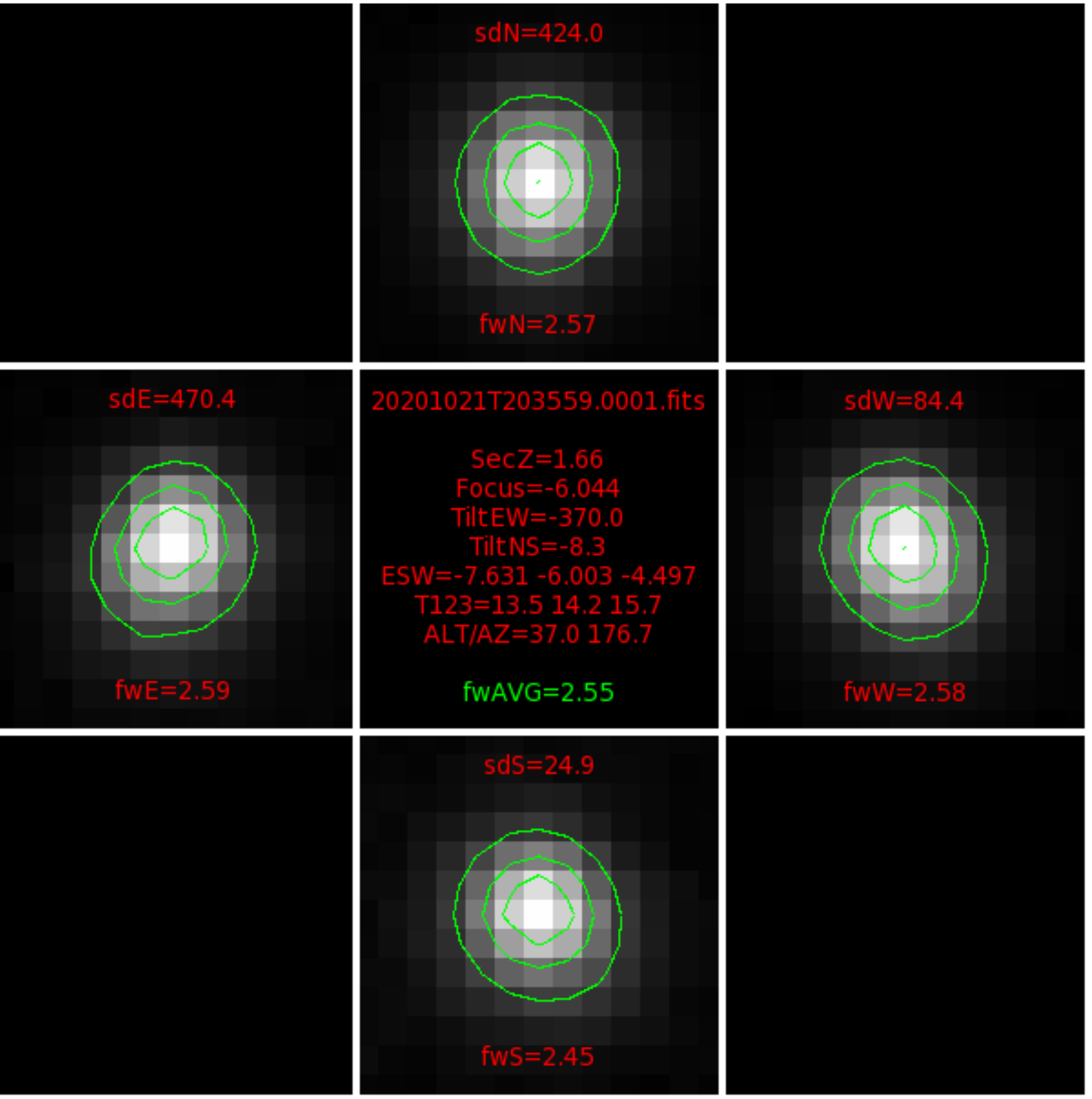
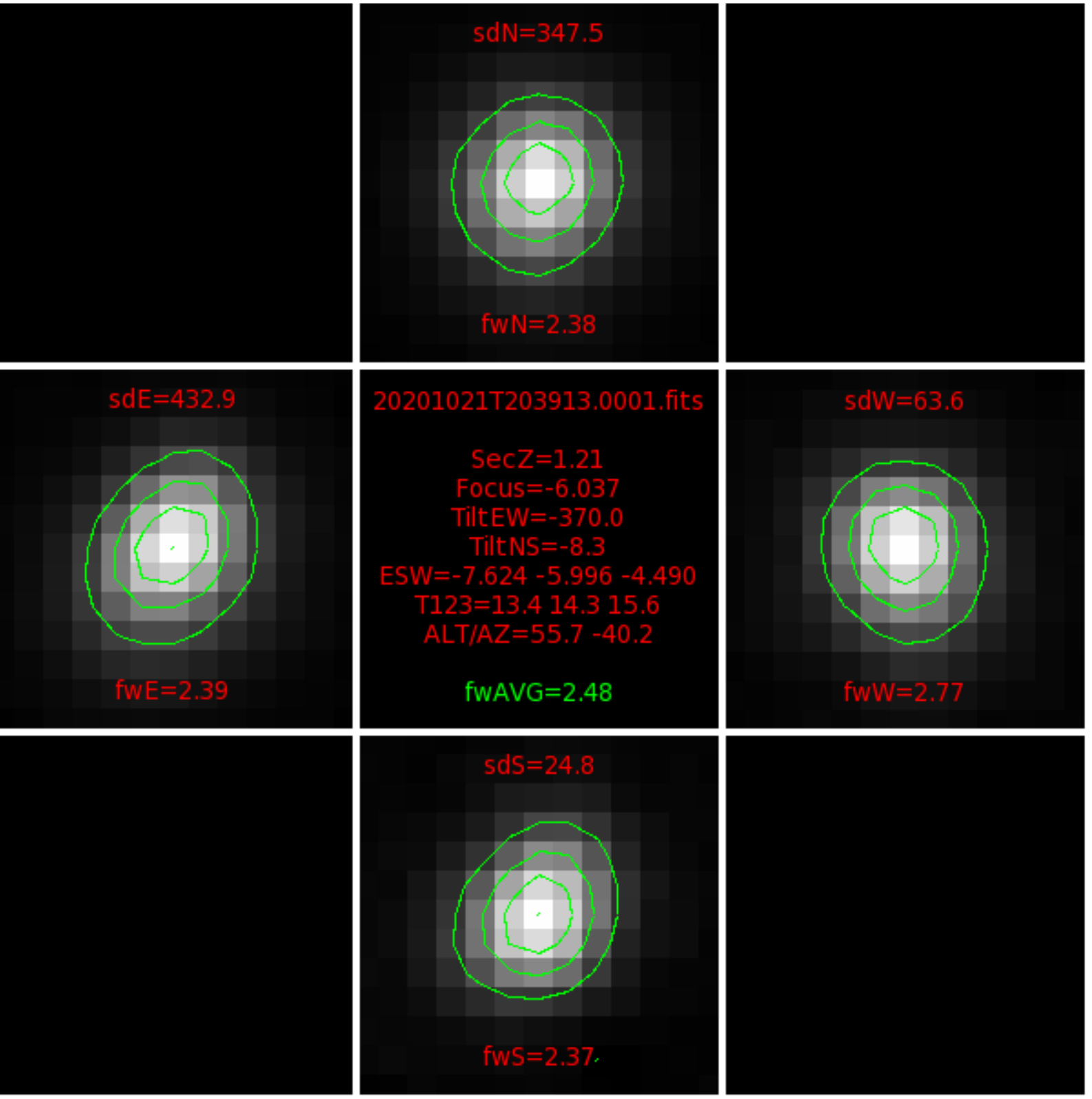

sdN=424.0
fwN=2.57
sdE=470.4
fwE=2.59
20201021T203559.0001.fits
SecZ=1.66
Focus=-6.044
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.631 -6.003 -4.497
T123=13.5 14.2 15.7
ALT/AZ=37.0 176.7
fwAVG=2.55
sdW=84.4
fwW=2.58
sdS=24.9
fwS=2.45
0 0 0 0 0 0 0 0 0


sdN=347.5
fwN=2.38
sdE=432.9
fwE=2.39
20201021T203913.0001.fits
SecZ=1.21
Focus=-6.037
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.624 -5.996 -4.490
T123=13.4 14.3 15.6
ALT/AZ=55.7 -40.2
fwAVG=2.48
sdW=63.6
fwW=2.77
sdS=24.8
fwS=2.37
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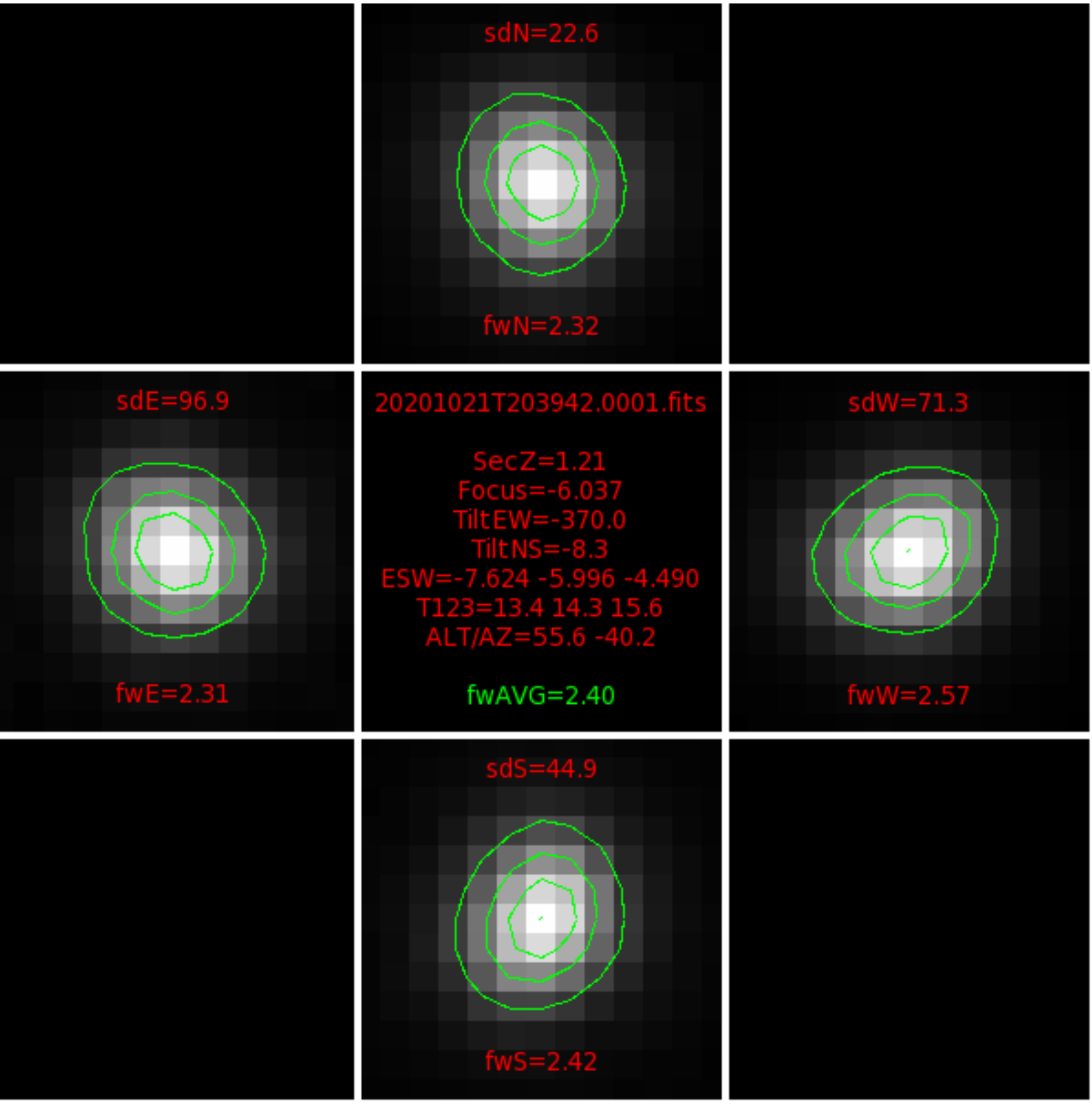
sdN=22.6
fwN=2.32
sdE=96.9
fwE=2.31
20201021T203942.0001.fits
SecZ=1.21
Focus=-6.037
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.624 -5.996 -4.490
T123=13.4 14.3 15.6
ALT/AZ=55.6 -40.2
fwAVG=2.40
sdW=71.3
fwW=2.57
sdS=44.9
fwS=2.42
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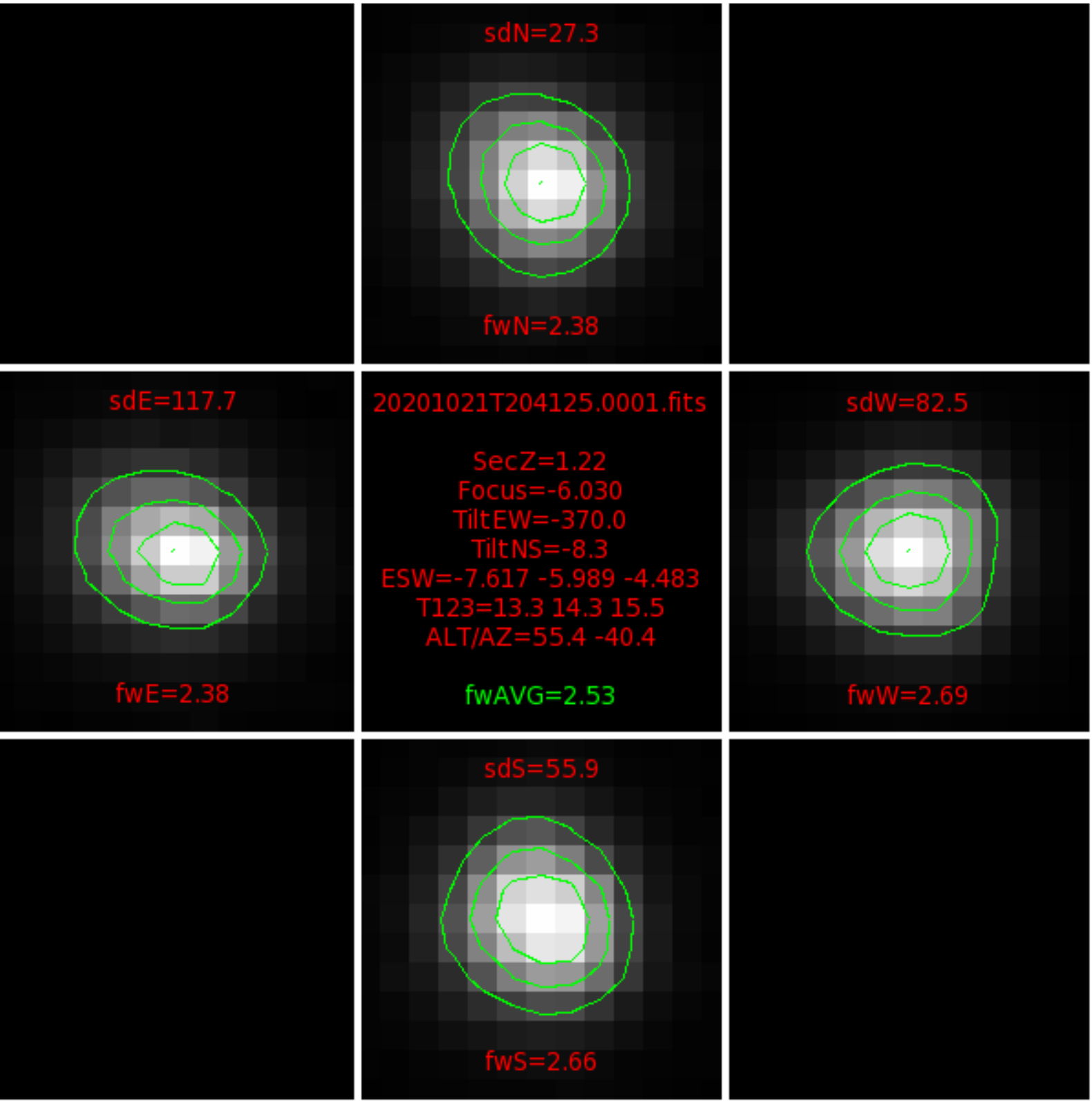
sdN=27.3
fwN=2.38
sdE=117.7
fwE=2.38
20201021T204125.0001.fits
SecZ=1.22
Focus=-6.030
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.617 -5.989 -4.483
T123=13.3 14.3 15.5
ALT/AZ=55.4 -40.4
fwAVG=2.53
sdW=82.5
fwW=2.69
sdS=55.9
fwS=2.66
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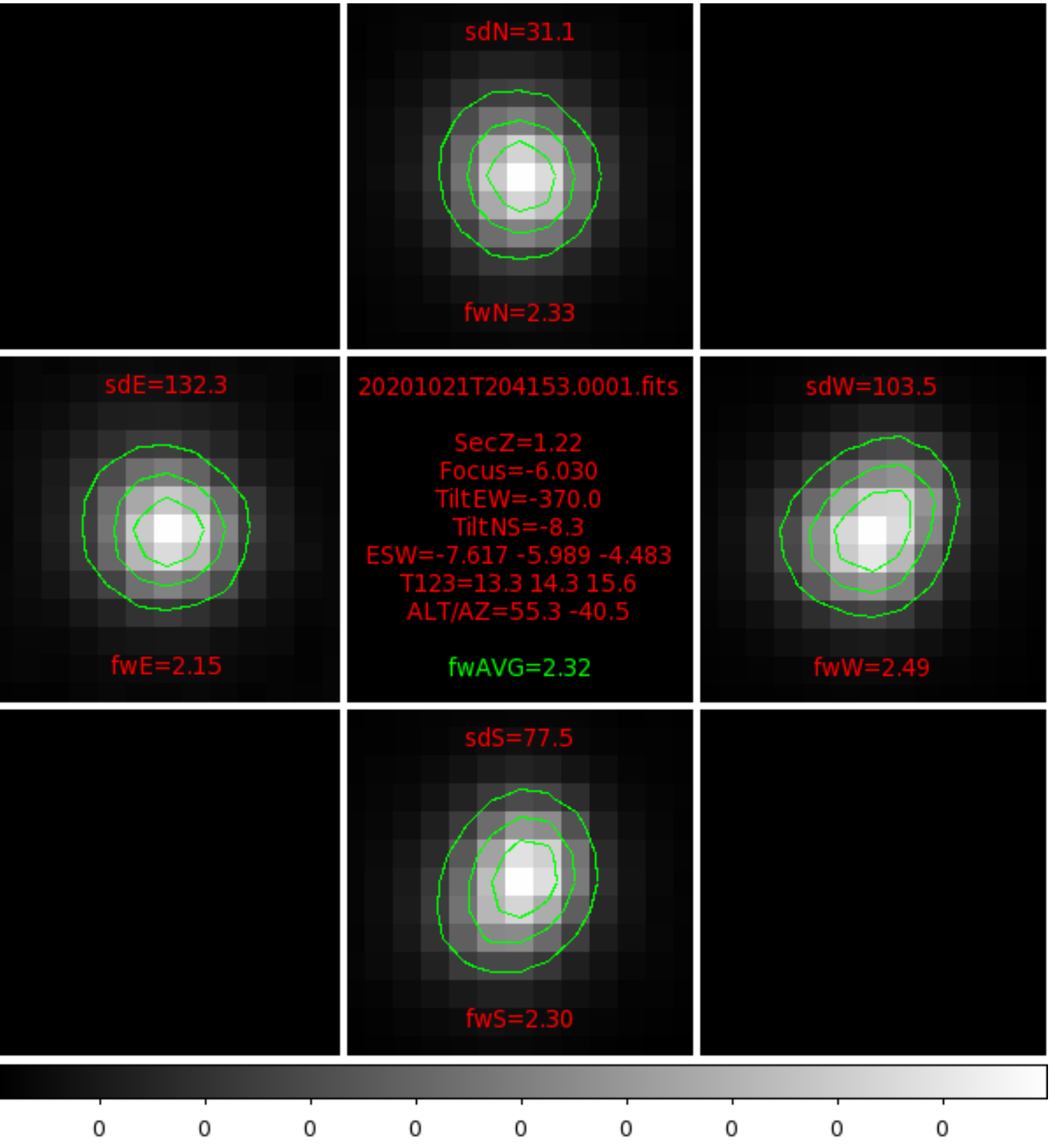
sdN=31.1
fwN=2.33
sdE=132.3
fwE=2.15
20201021T204153.0001.fits
SecZ=1.22
Focus=-6.030
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.617 -5.989 -4.483
T123=13.3 14.3 15.6
ALT/AZ=55.3 -40.5
fwAVG=2.32
sdW=103.5
fwW=2.49
sdS=77.5
fwS=2.30
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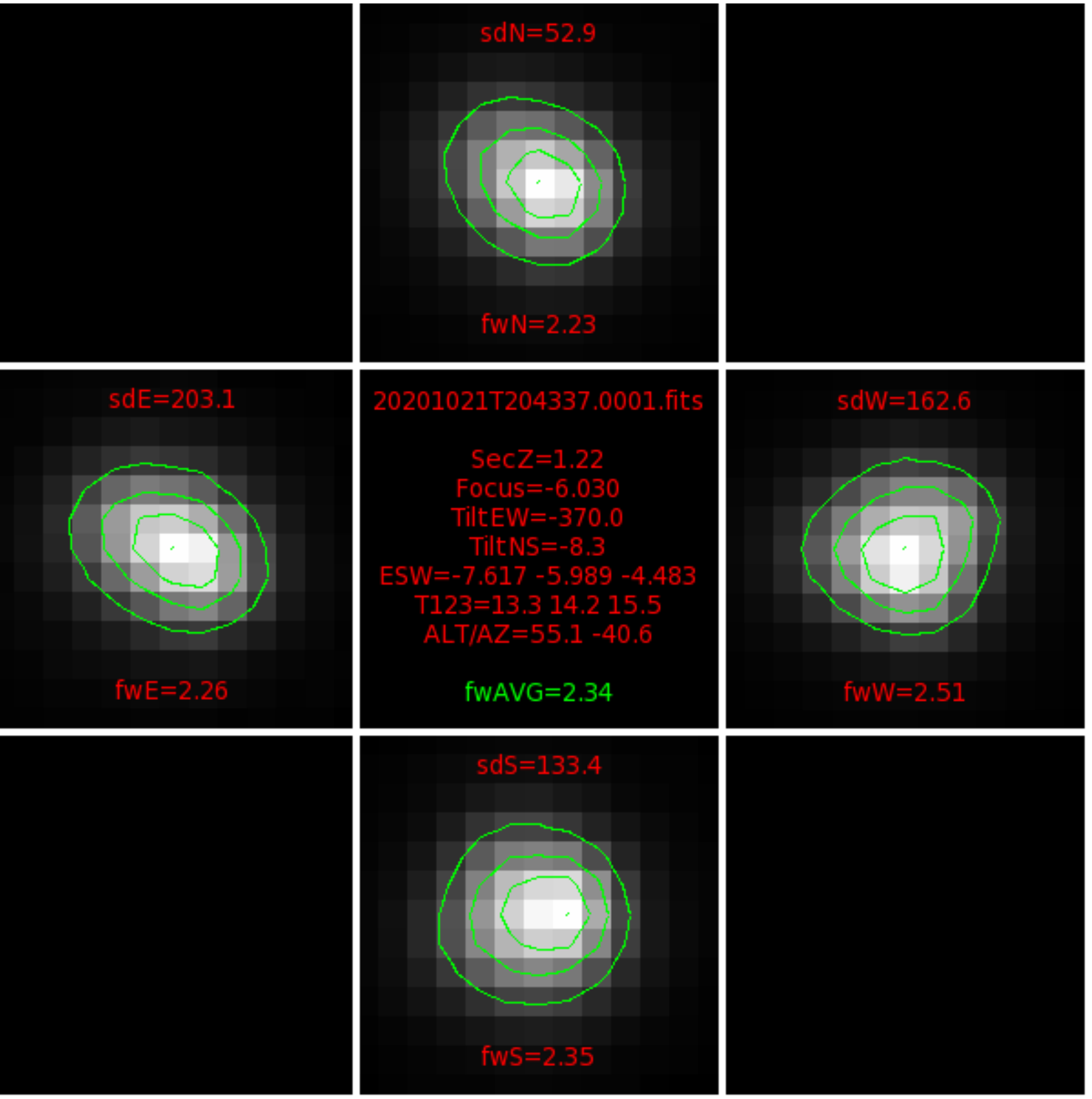
sdN=52.9
fwN=2.23
sdE=203.1
fwE=2.26
20201021T204337.0001.fits
SecZ=1.22
Focus=-6.030
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.617 -5.989 -4.483
T123=13.3 14.2 15.5
ALT/AZ=55.1 -40.6
fwAVG=2.34
sdW=162.6
fwW=2.51
sdS=133.4
fwS=2.35
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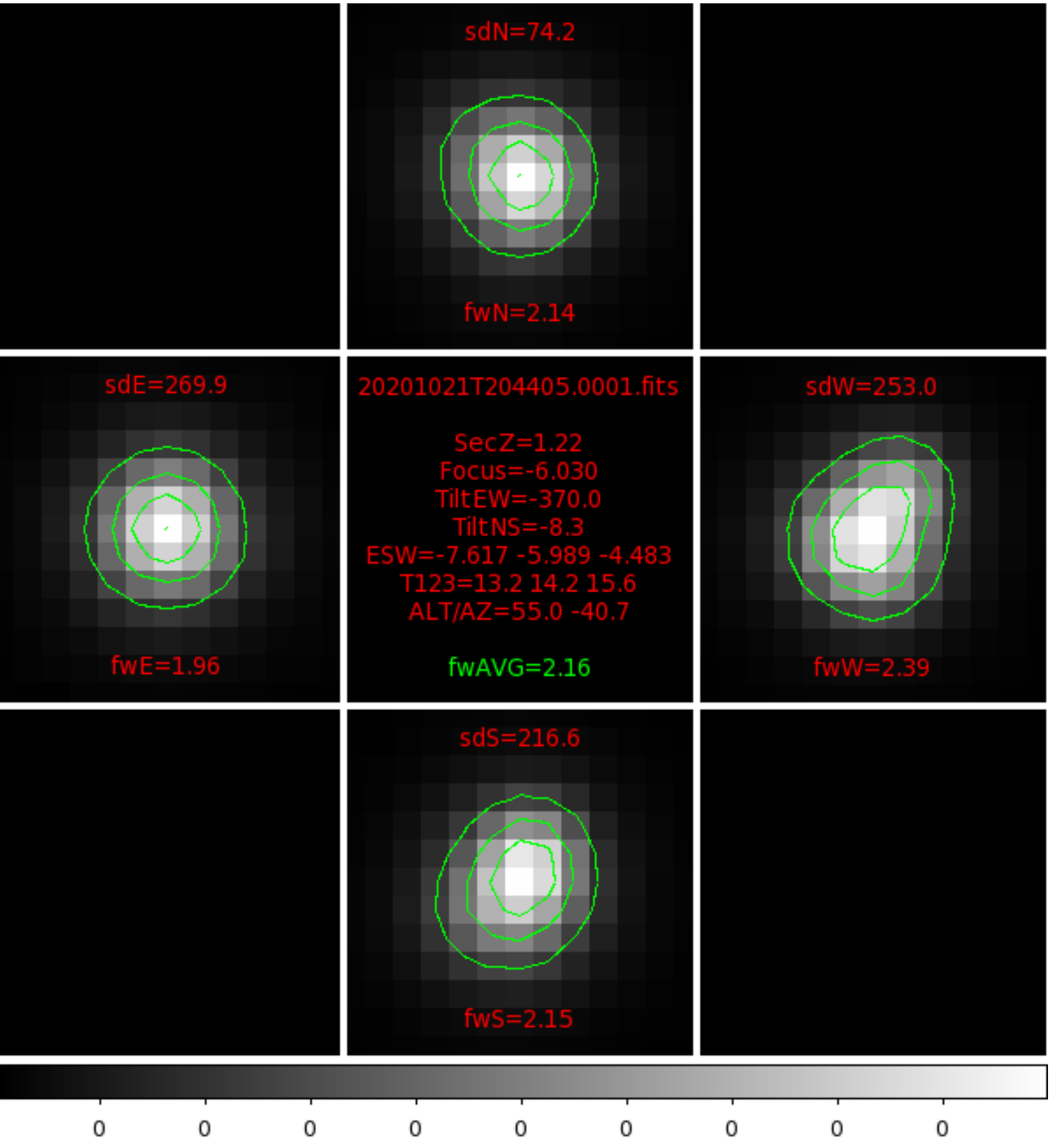
sdN=74.2
fwN=2.14
sdE=269.9
fwE=1.96
20201021T204405.0001.fits
SecZ=1.22
Focus=-6.030
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.617 -5.989 -4.483
T123=13.2 14.2 15.6
ALT/AZ=55.0 -40.7
fwAVG=2.16
sdW=253.0
fwW=2.39
sdS=216.6
fwS=2.15
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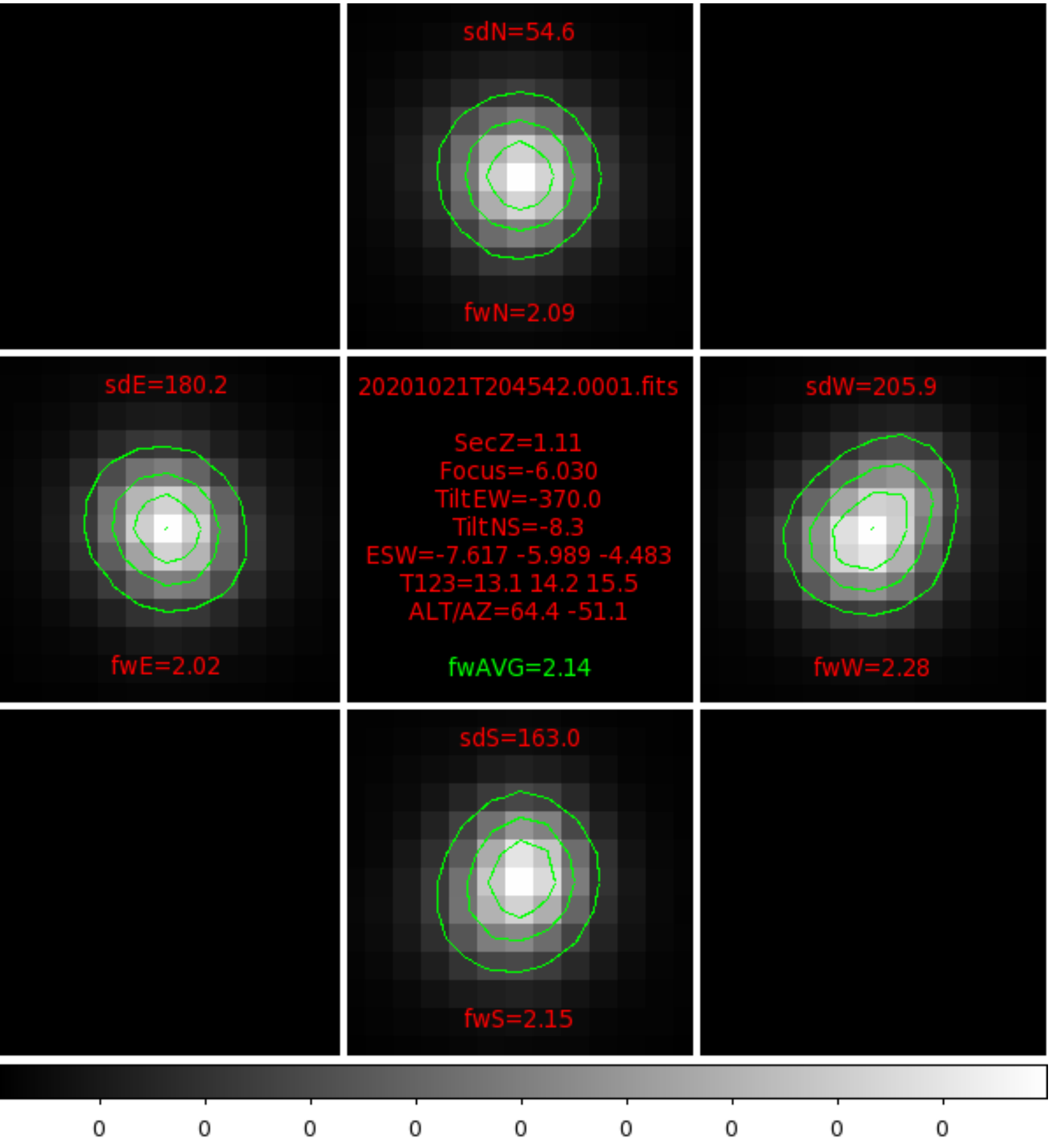
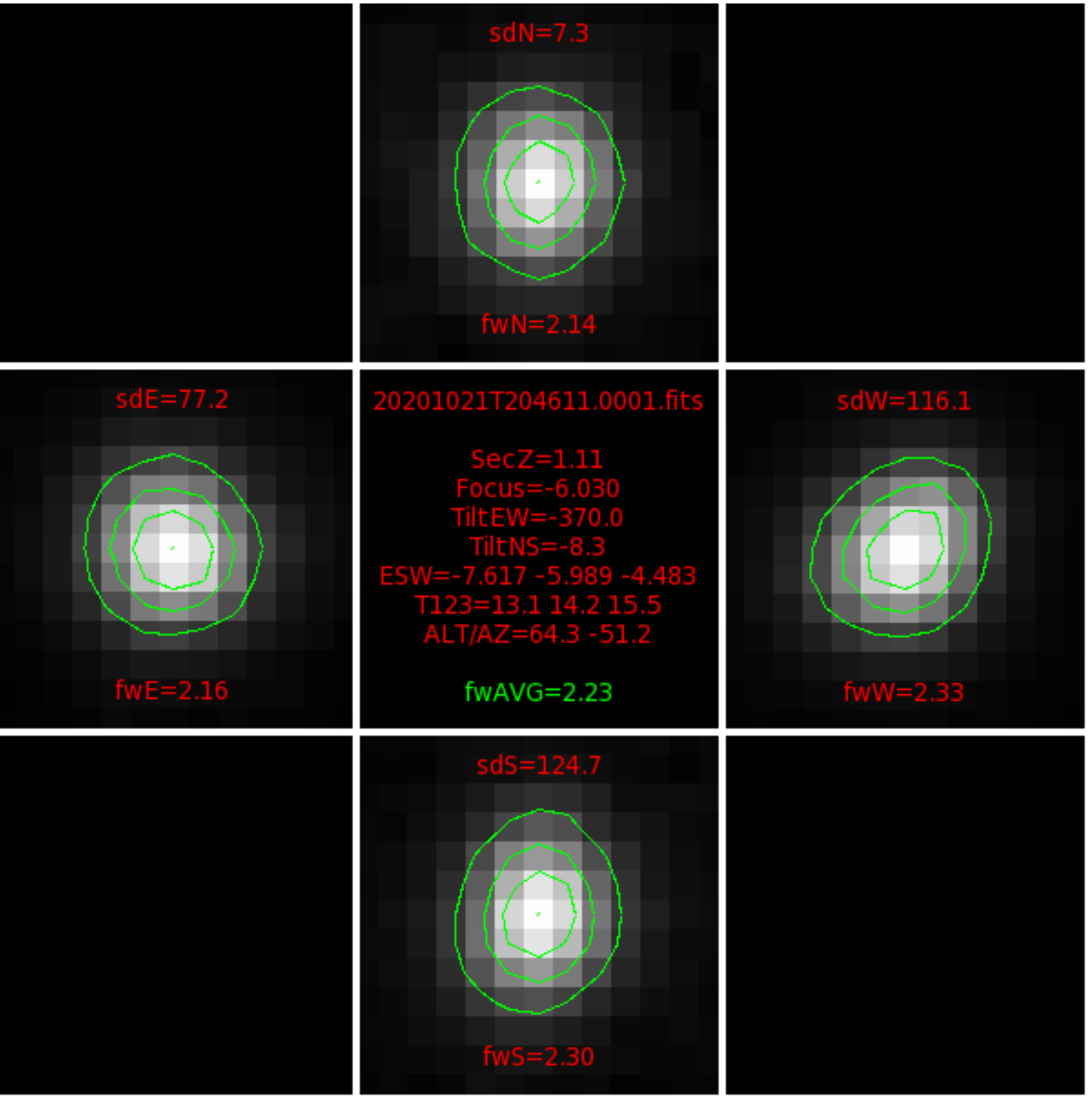

sdN=54.6
fwN=2.09
sdE=180.2
fwE=2.02
20201021T204542.0001.fits
SecZ=1.11
Focus=-6.030
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.617 -5.989 -4.483
T123=13.1 14.2 15.5
ALT/AZ=64.4 -51.1
fwAVG=2.14
sdW=205.9
fwW=2.28
sdS=163.0
fwS=2.15
0 0 0 0 0 0 0 0 0


sdN=7.3
fwN=2.14
sdE=77.2
fwE=2.16
20201021T204611.0001.fits
SecZ=1.11
Focus=-6.030
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.617 -5.989 -4.483
T123=13.1 14.2 15.5
ALT/AZ=64.3 -51.2
fwAVG=2.23
sdW=116.1
fwW=2.33
sdS=124.7
fwS=2.30
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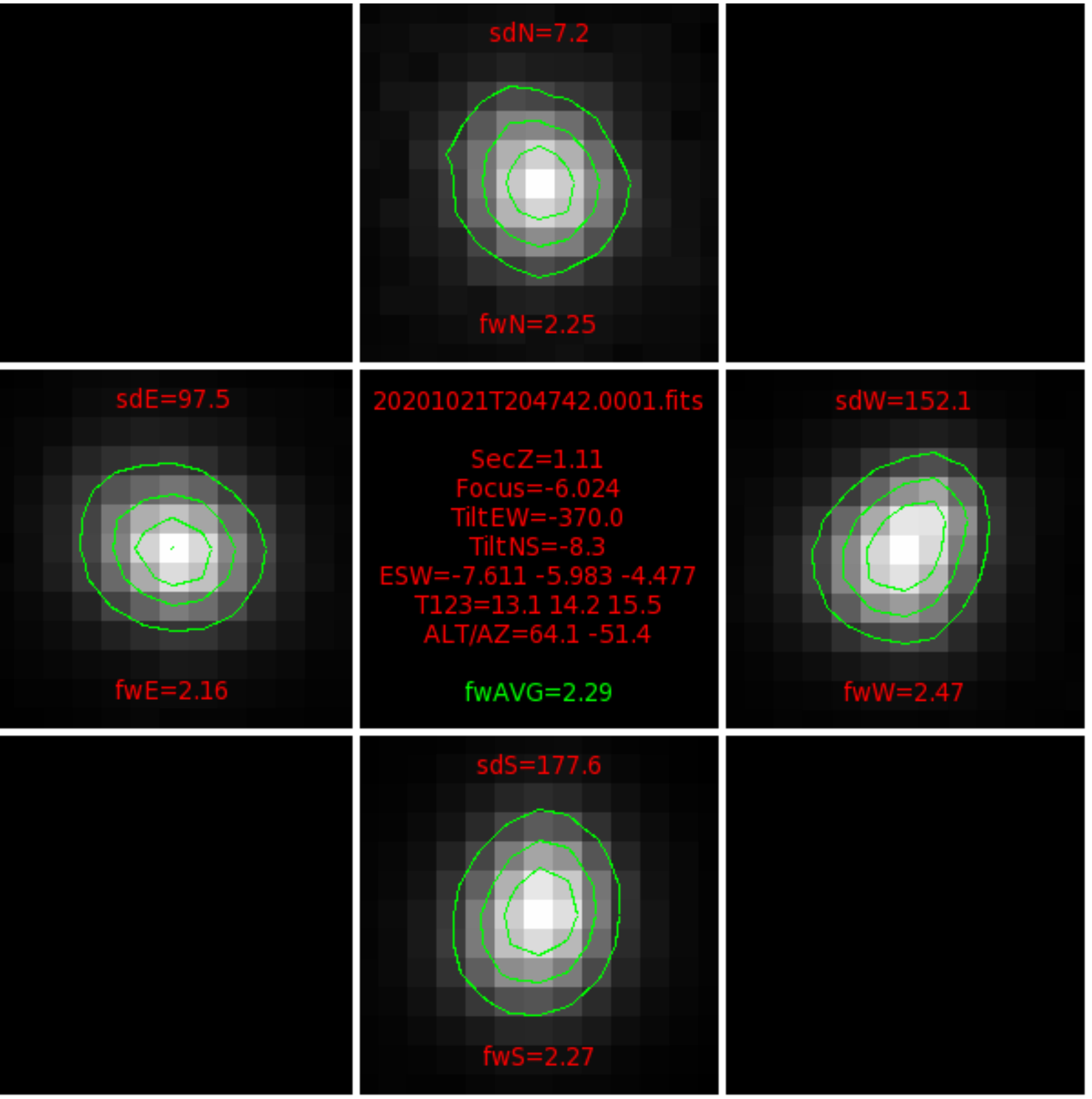
sdN=7.2
fwN=2.25
sdE=97.5
fwE=2.16
20201021T204742.0001.fits
SecZ=1.11
Focus=-6.024
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.611 -5.983 -4.477
T123=13.1 14.2 15.5
ALT/AZ=64.1 -51.4
fwAVG=2.29
sdW=152.1
fwW=2.47
sdS=177.6
fwS=2.27
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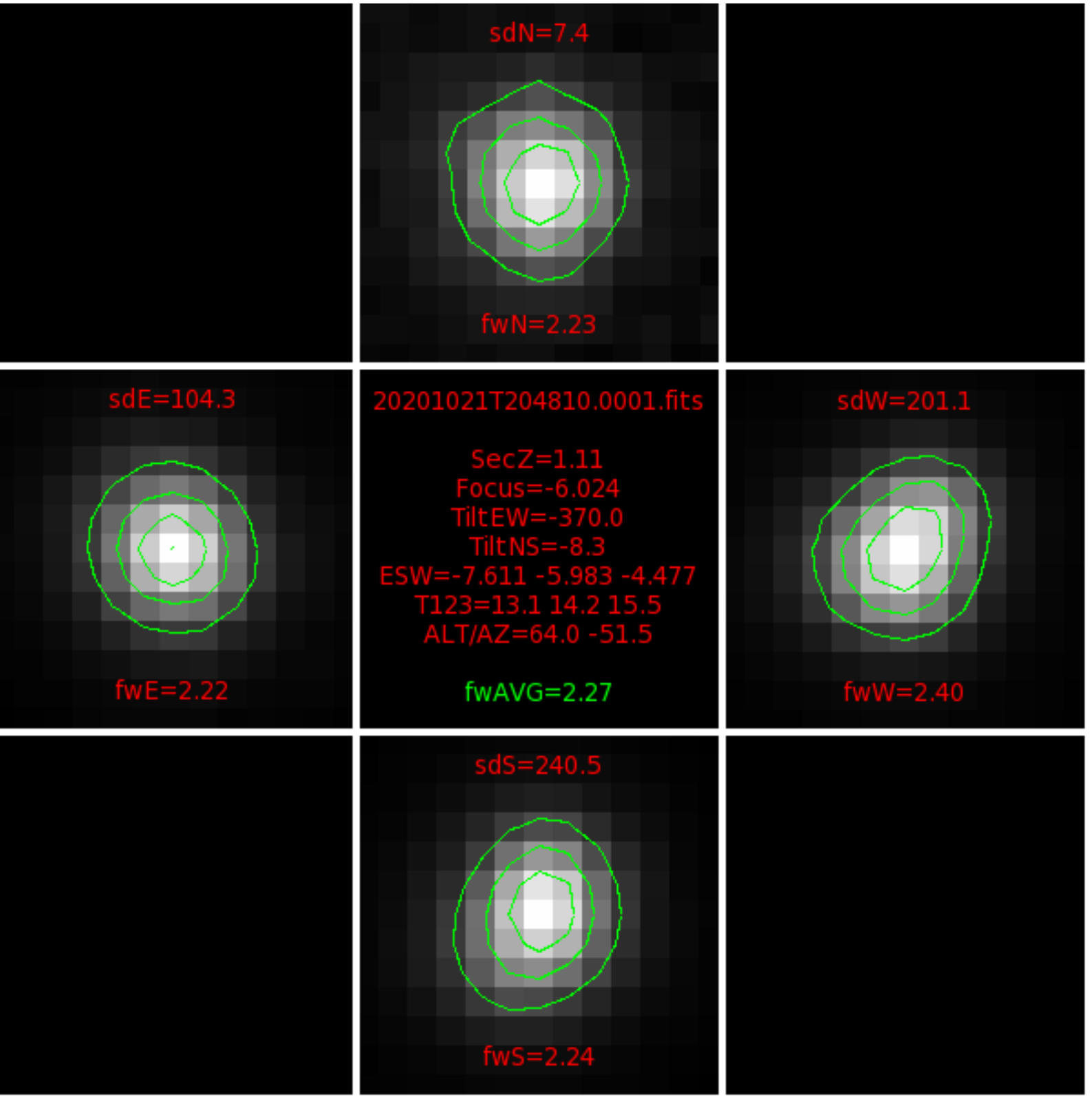
sdN=7.4
fwN=2.23
sdE=104.3
fwE=2.22
20201021T204810.0001.fits
SecZ=1.11
Focus=-6.024
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.611 -5.983 -4.477
T123=13.1 14.2 15.5
ALT/AZ=64.0 -51.5
fwAVG=2.27
sdW=201.1
fwW=2.40
sdS=240.5
fwS=2.24
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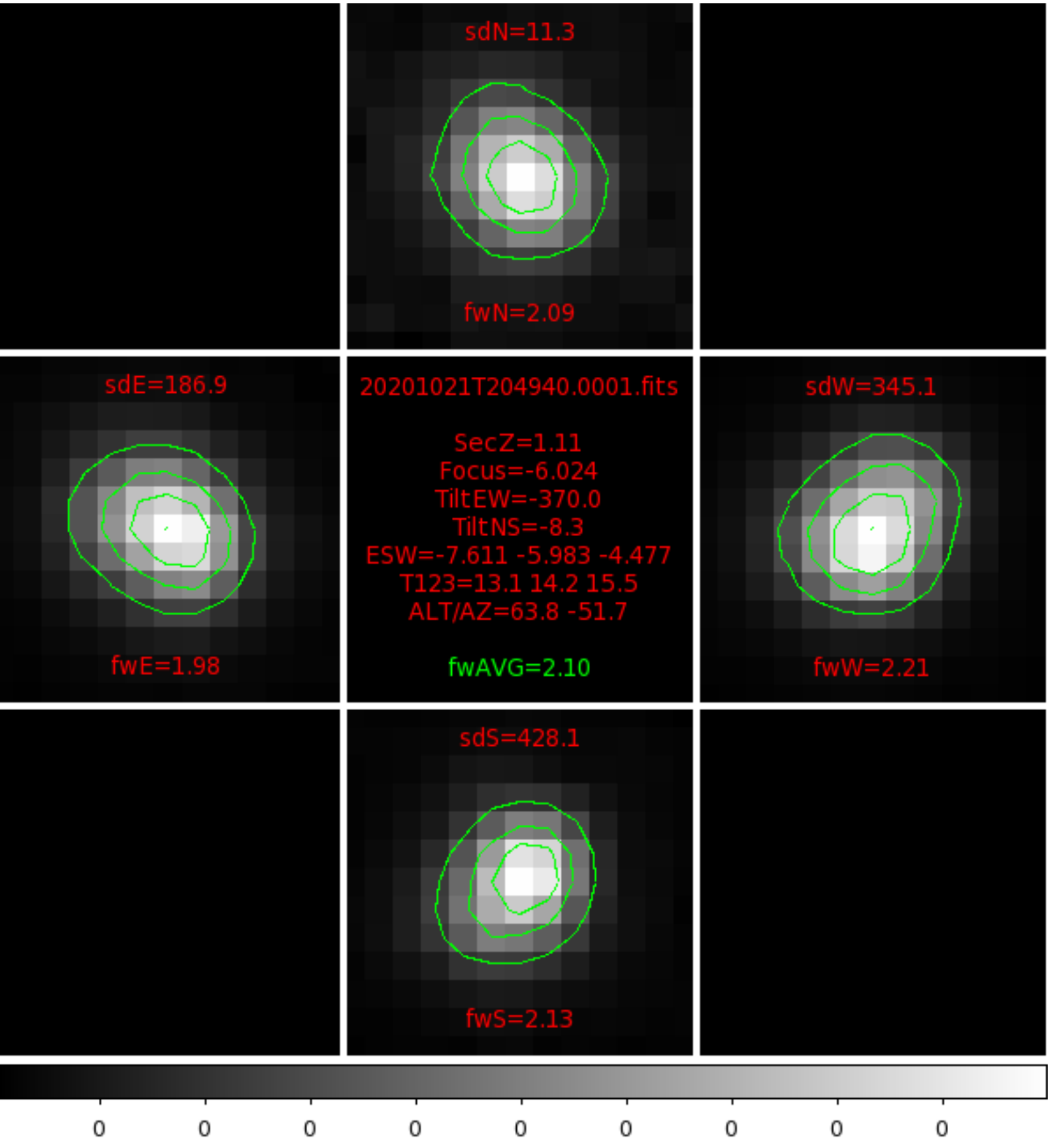
sdN=11.3
fwN=2.09
sdE=186.9
fwE=1.98
20201021T204940.0001.fits
SecZ=1.11
Focus=-6.024
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.611 -5.983 -4.477
T123=13.1 14.2 15.5
ALT/AZ=63.8 -51.7
fwAVG=2.10
sdW=345.1
fwW=2.21
sdS=428.1
fwS=2.13
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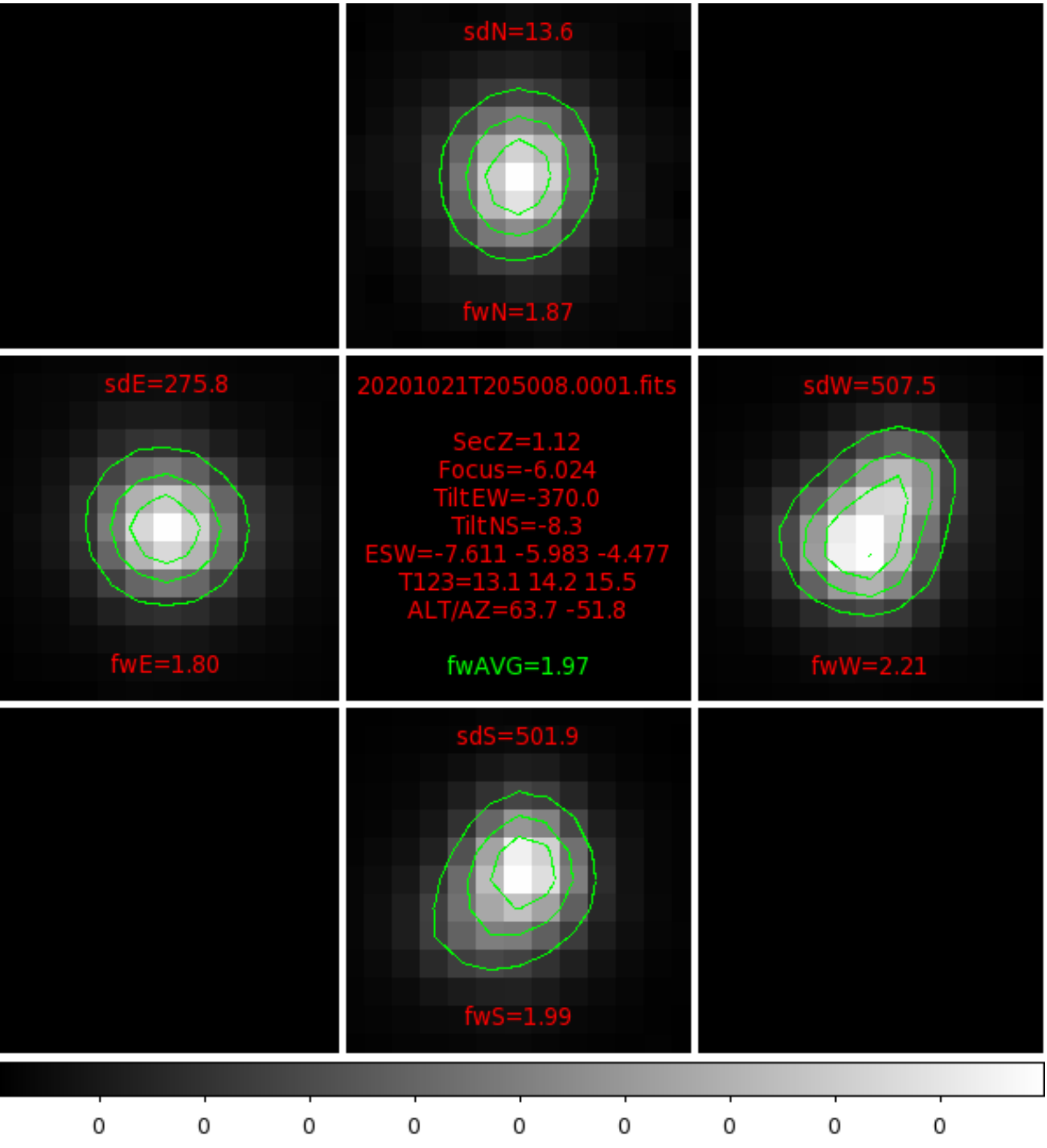
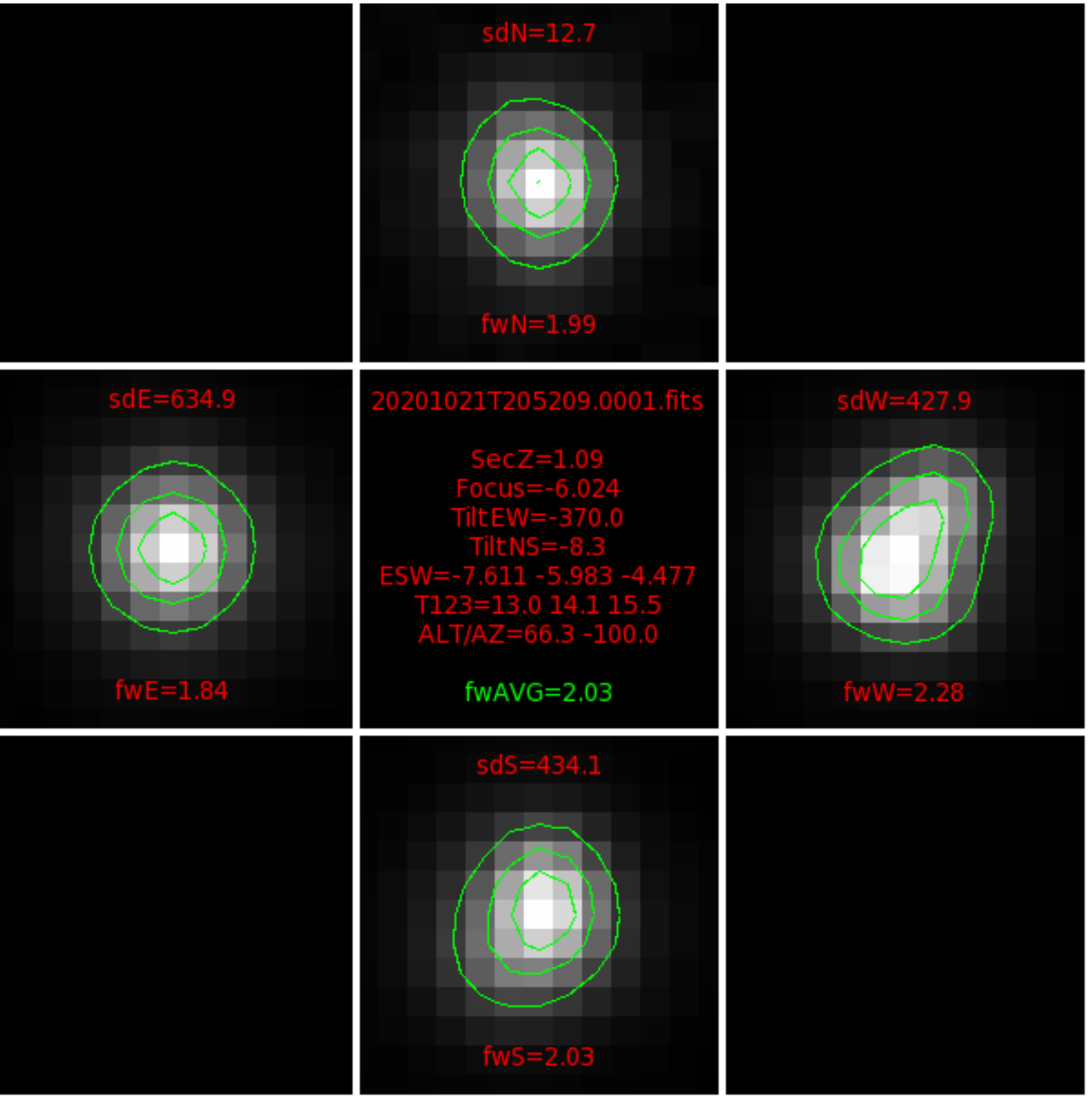

sdN=13.6
fwN=1.87
sdE=275.8
fwE=1.80
20201021T205008.0001.fits
SecZ=1.12
Focus=-6.024
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.611 -5.983 -4.477
T123=13.1 14.2 15.5
ALT/AZ=63.7 -51.8
fwAVG=1.97
sdW=507.5
fwW=2.21
sdS=501.9
fwS=1.99
0 0 0 0 0 0 0 0 0


sdN=12.7
fwN=1.99
sdE=634.9
fwE=1.84
20201021T205209.0001.fits
SecZ=1.09
Focus=-6.024
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.611 -5.983 -4.477
T123=13.0 14.1 15.5
ALT/AZ=66.3 -100.0
fwAVG=2.03
sdW=427.9
fwW=2.28
sdS=434.1
fwS=2.03
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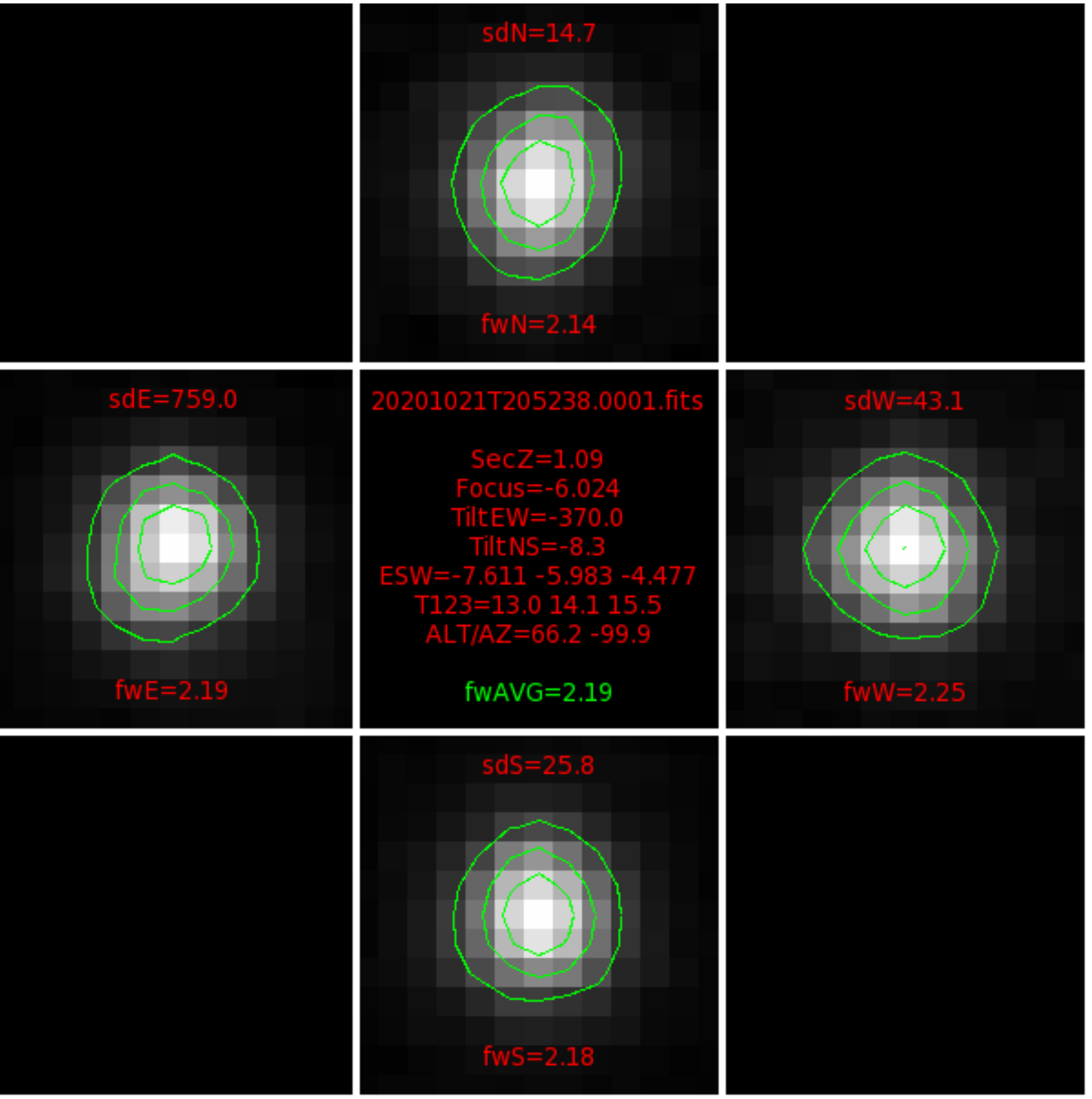
sdN=14.7
fwN=2.14
sdE=759.0
fwE=2.19
20201021T205238.0001.fits
SecZ=1.09
Focus=-6.024
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.611 -5.983 -4.477
T123=13.0 14.1 15.5
ALT/AZ=66.2 -99.9
fwAVG=2.19
sdW=43.1
fwW=2.25
sdS=25.8
fwS=2.18
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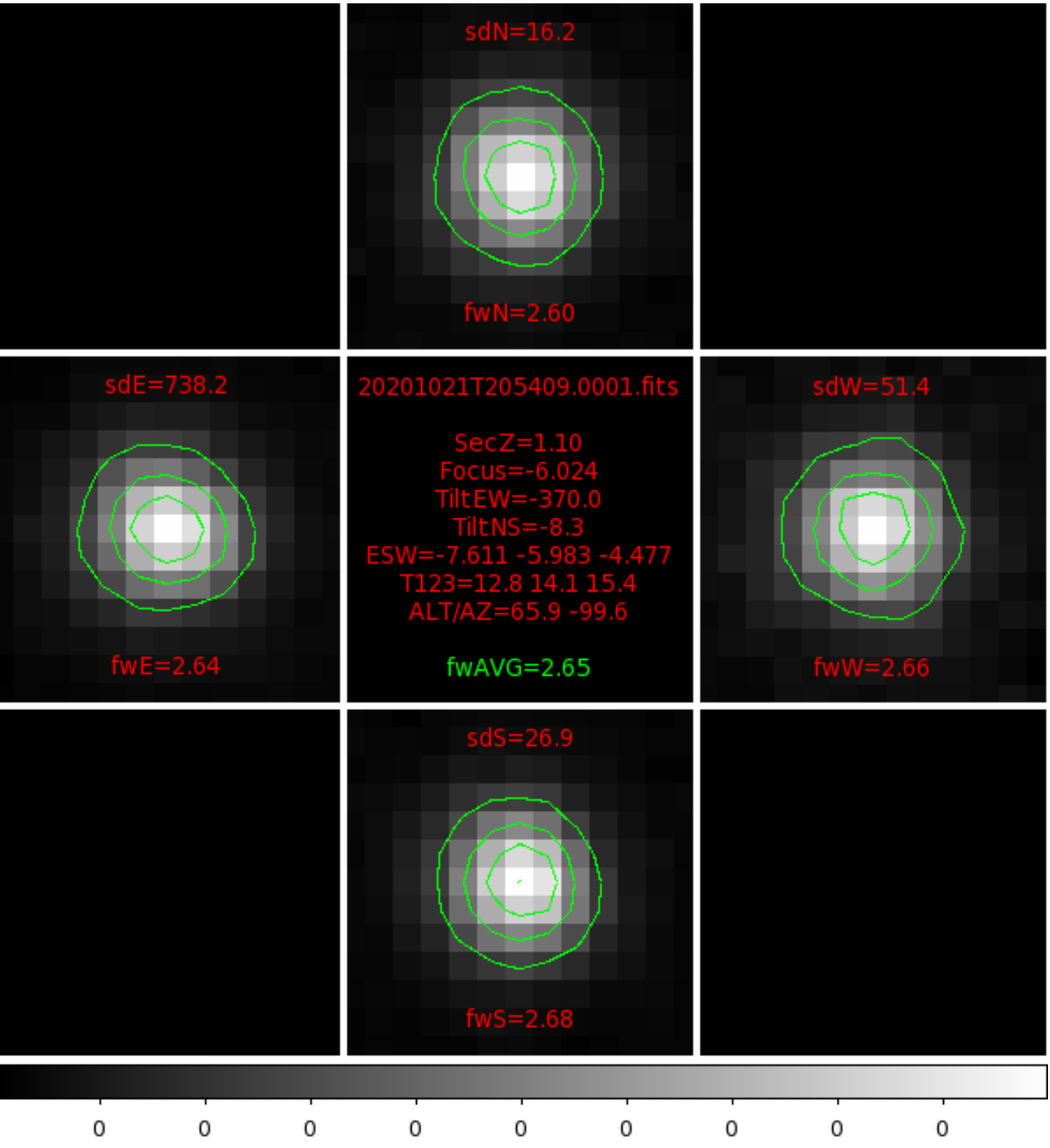
sdN=16.2
fwN=2.60
sdE=738.2
fwE=2.64
20201021T205409.0001.fits
SecZ=1.10
Focus=-6.024
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.611 -5.983 -4.477
T123=12.8 14.1 15.4
ALT/AZ=65.9 -99.6
fwAVG=2.65
sdW=51.4
fwW=2.66
sdS=26.9
fwS=2.68
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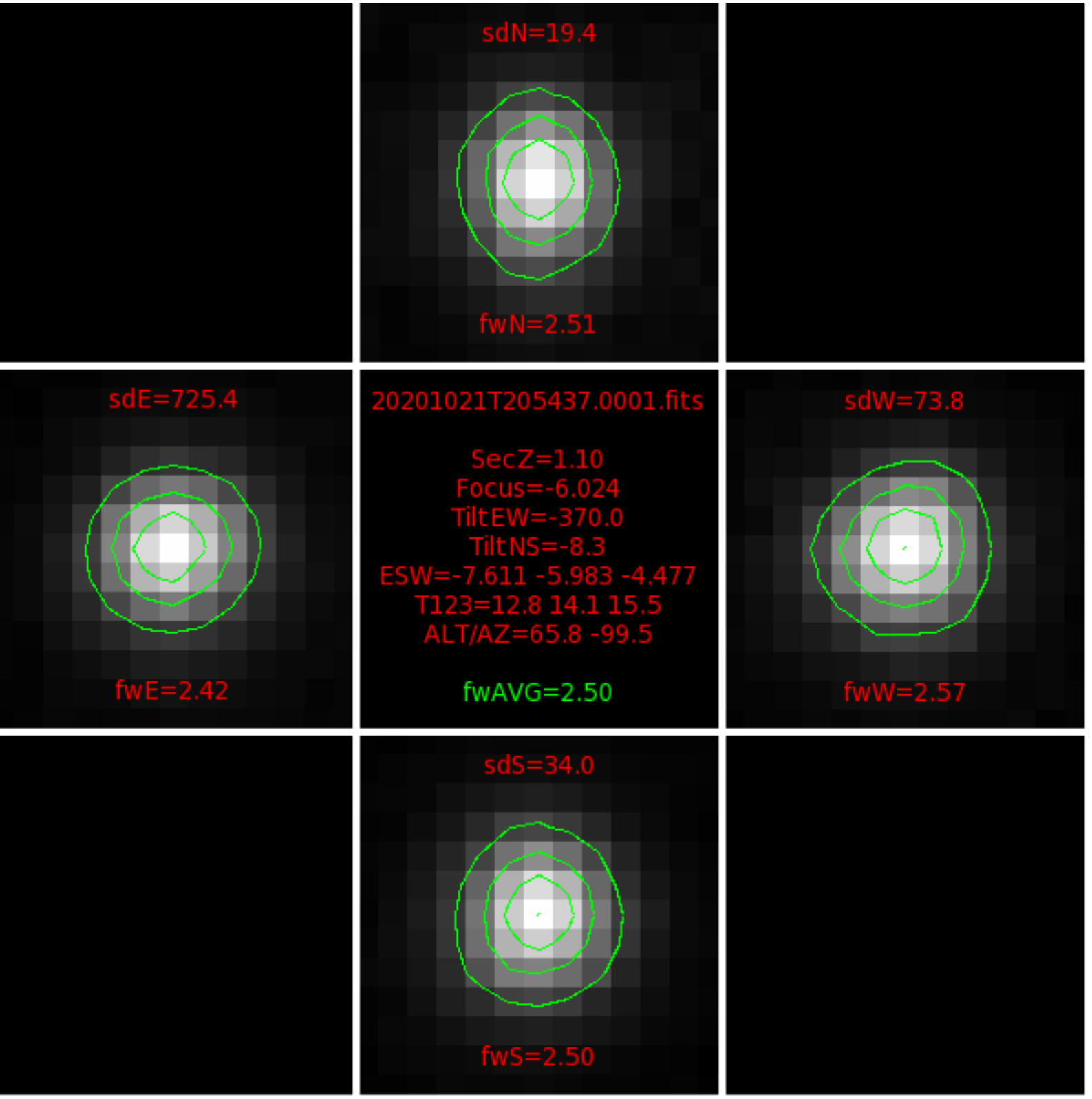
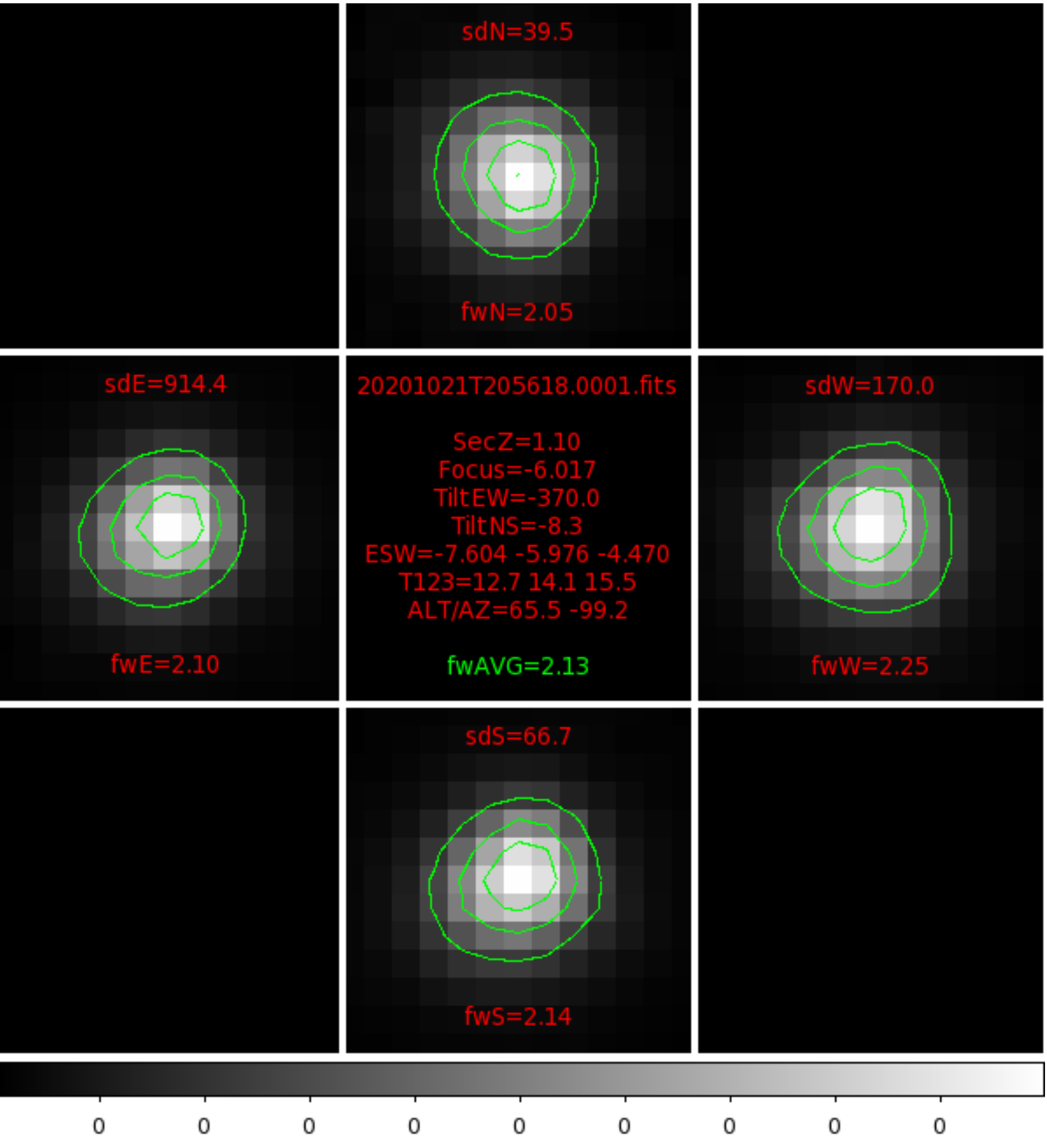

sdN=19.4
fwN=2.51
sdE=725.4
fwE=2.42
20201021T205437.0001.fits
SecZ=1.10
Focus=-6.024
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.611 -5.983 -4.477
T123=12.8 14.1 15.5
ALT/AZ=65.8 -99.5
fwAVG=2.50
sdW=73.8
fwW=2.57
sdS=34.0
fwS=2.50
0 0 0 0 0 0 0 0 0


sdN=39.5
fwN=2.05
sdE=914.4
fwE=2.10
20201021T205618.0001.fits
SecZ=1.10
Focus=-6.017
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.604 -5.976 -4.470
T123=12.7 14.1 15.5
ALT/AZ=65.5 -99.2
fwAVG=2.13
sdW=170.0
fwW=2.25
sdS=66.7
fwS=2.14
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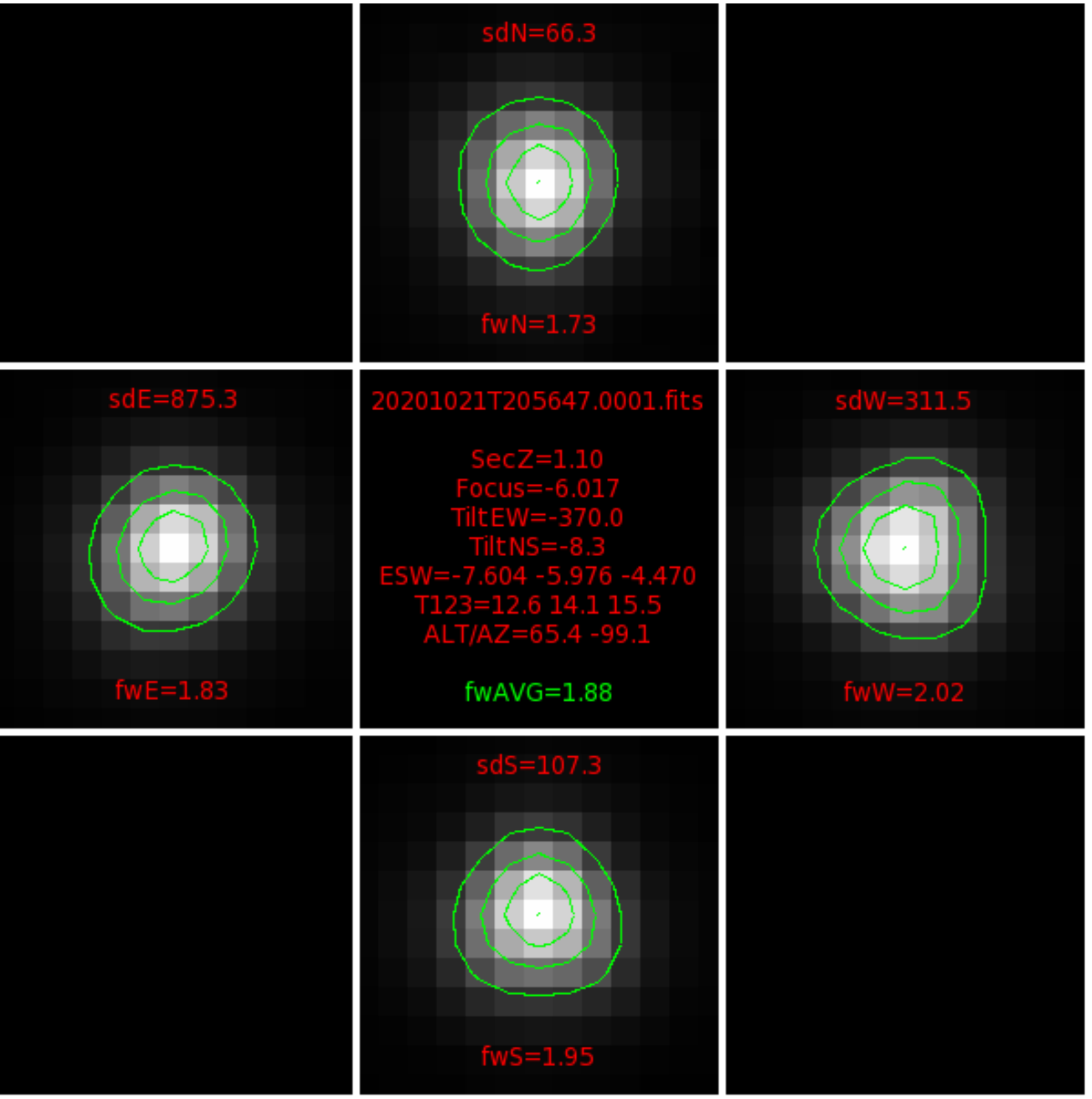
sdN=66.3
fwN=1.73
sdE=875.3
fwE=1.83
20201021T205647.0001.fits
SecZ=1.10
Focus=-6.017
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.604 -5.976 -4.470
T123=12.6 14.1 15.5
ALT/AZ=65.4 -99.1
fwAVG=1.88
sdW=311.5
fwW=2.02
sdS=107.3
fwS=1.95
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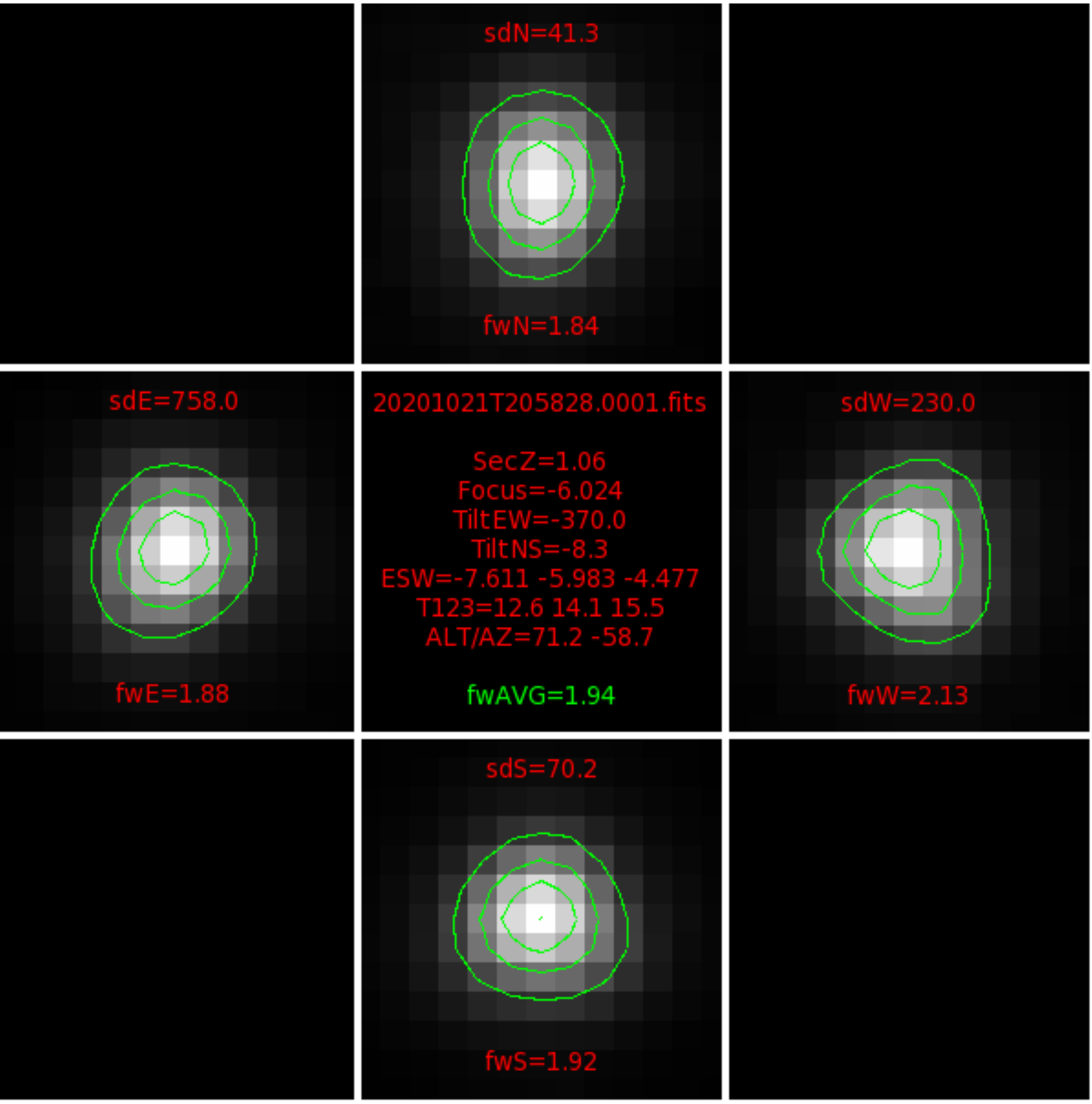
sdN=41.3
fwN=1.84
sdE=758.0
fwE=1.88
20201021T205828.0001.fits
SecZ=1.06
Focus=-6.024
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.611 -5.983 -4.477
T123=12.6 14.1 15.5
ALT/AZ=71.2 -58.7
fwAVG=1.94
sdW=230.0
fwW=2.13
sdS=70.2
fwS=1.92
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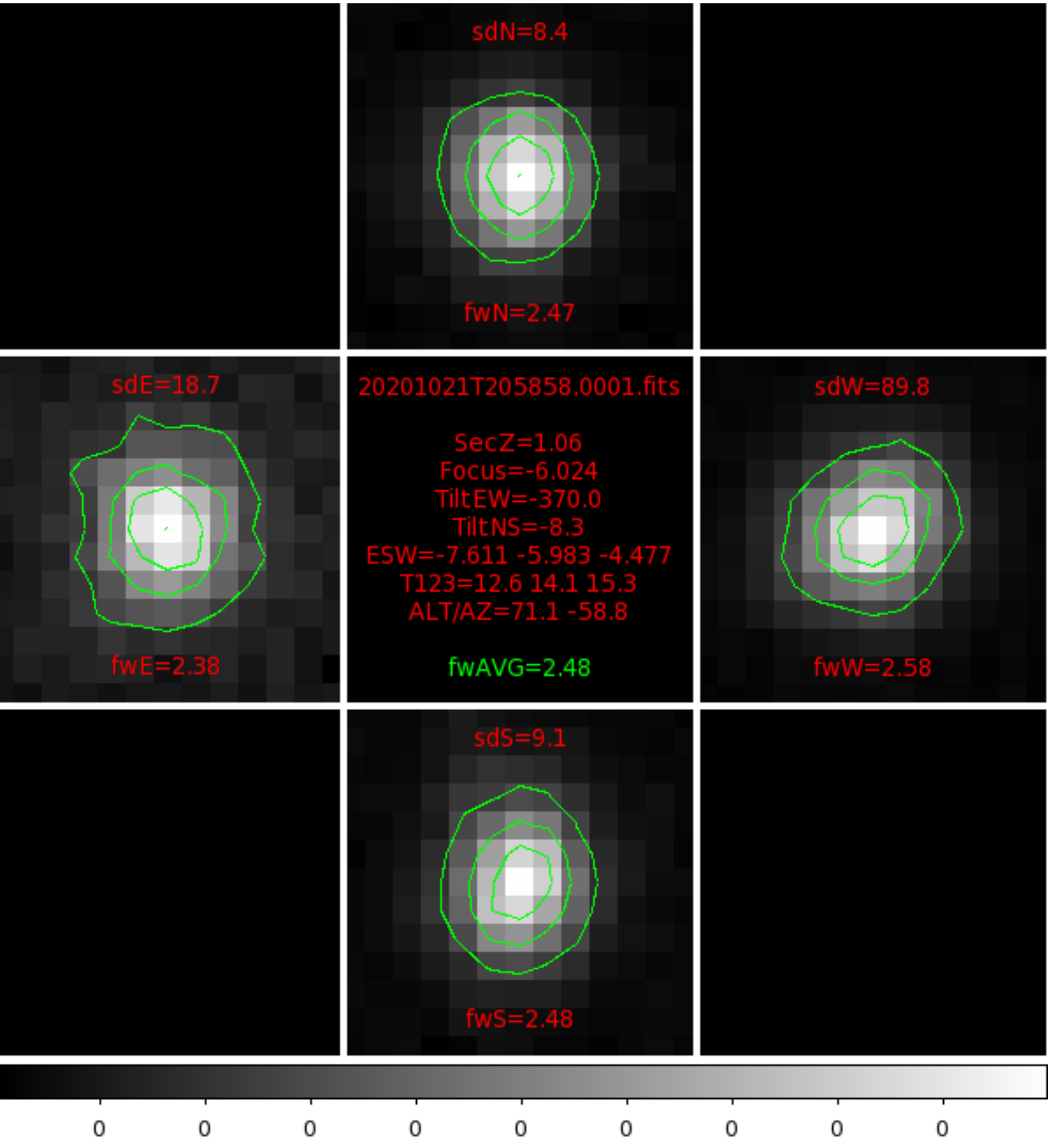
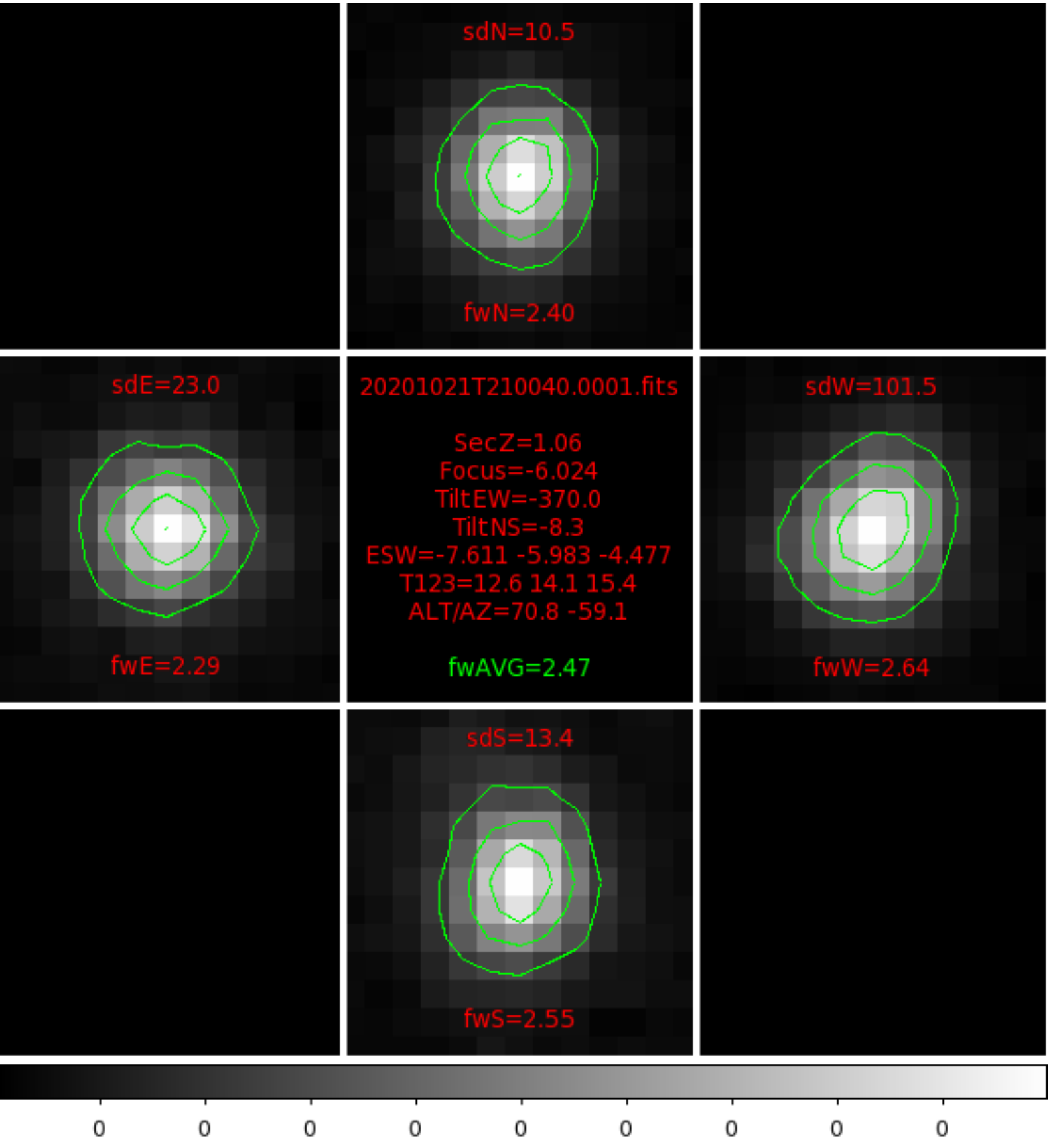

sdN=8.4
fwN=2.47
sdE=18.7
fwE=2.38
20201021T205858.0001.fits
SecZ=1.06
Focus=-6.024
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.611 -5.983 -4.477
T123=12.6 14.1 15.3
ALT/AZ=71.1 -58.8
fwAVG=2.48
sdW=89.8
fwW=2.58
sdS=9.1
fwS=2.48
0 0 0 0 0 0 0 0 0


sdN=10.5
fwN=2.40
sdE=23.0
fwE=2.29
20201021T210040.0001.fits
SecZ=1.06
Focus=-6.024
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.611 -5.983 -4.477
T123=12.6 14.1 15.4
ALT/AZ=70.8 -59.1
fwAVG=2.47
sdW=101.5
fwW=2.64
sdS=13.4
fwS=2.55
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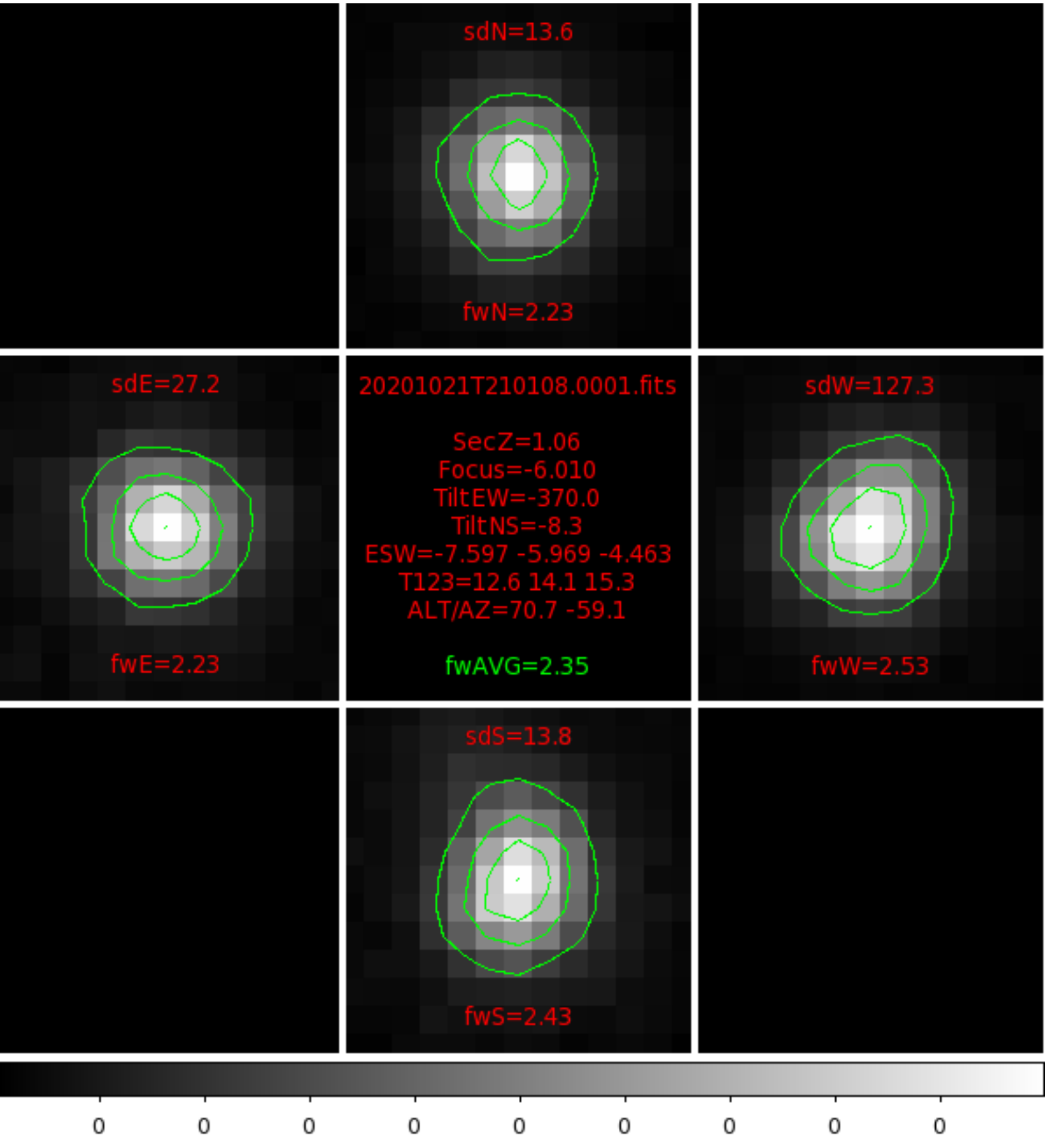
sdN=13.6
fwN=2.23
sdE=27.2
fwE=2.23
20201021T210108.0001.fits
SecZ=1.06
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.6 14.1 15.3
ALT/AZ=70.7 -59.1
fwAVG=2.35
sdW=127.3
fwW=2.53
sdS=13.8
fwS=2.43
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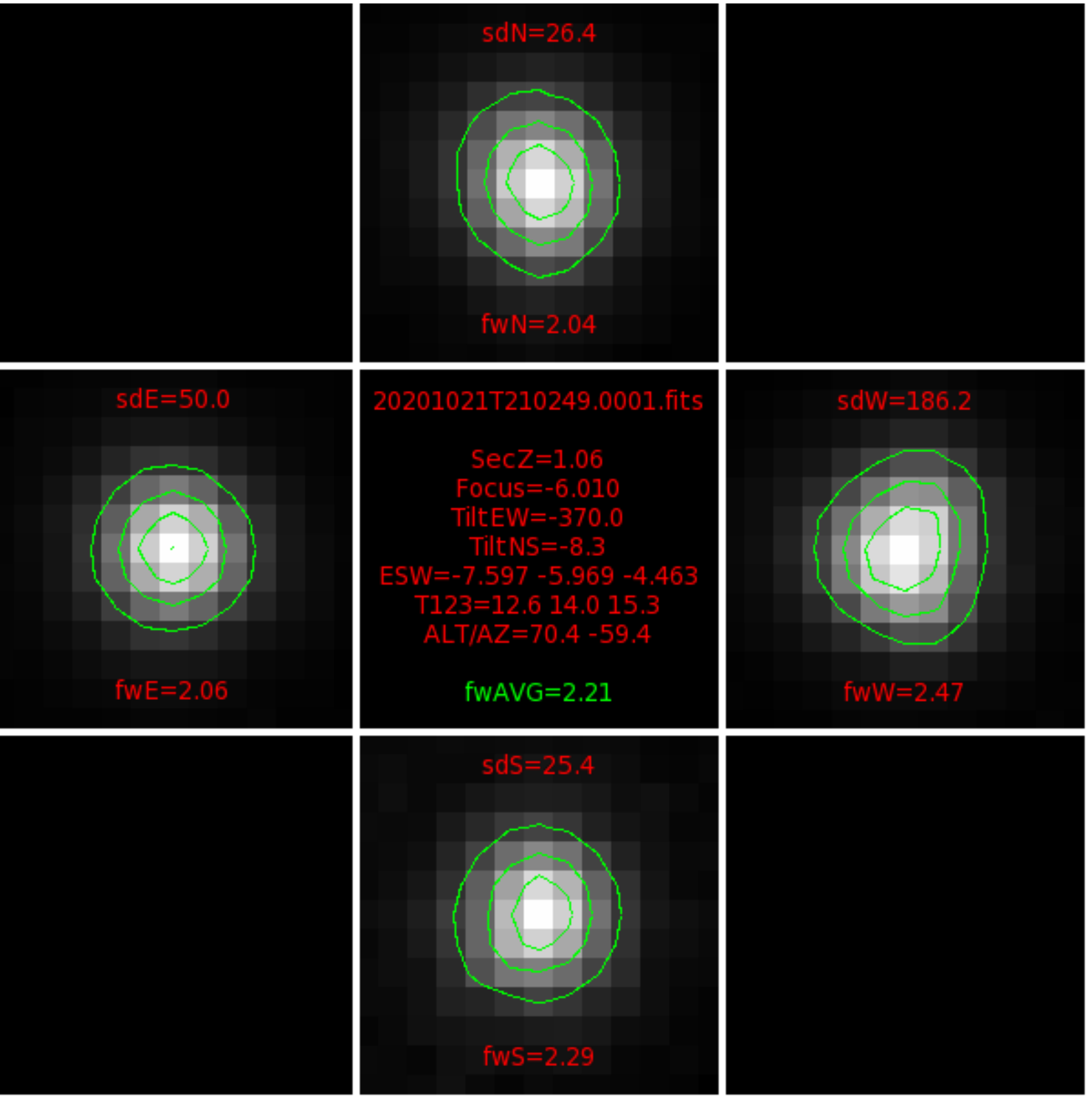
sdN=26.4
fwN=2.04
sdE=50.0
fwE=2.06
20201021T210249.0001.fits
SecZ=1.06
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.6 14.0 15.3
ALT/AZ=70.4 -59.4
fwAVG=2.21
sdW=186.2
fwW=2.47
sdS=25.4
fwS=2.29
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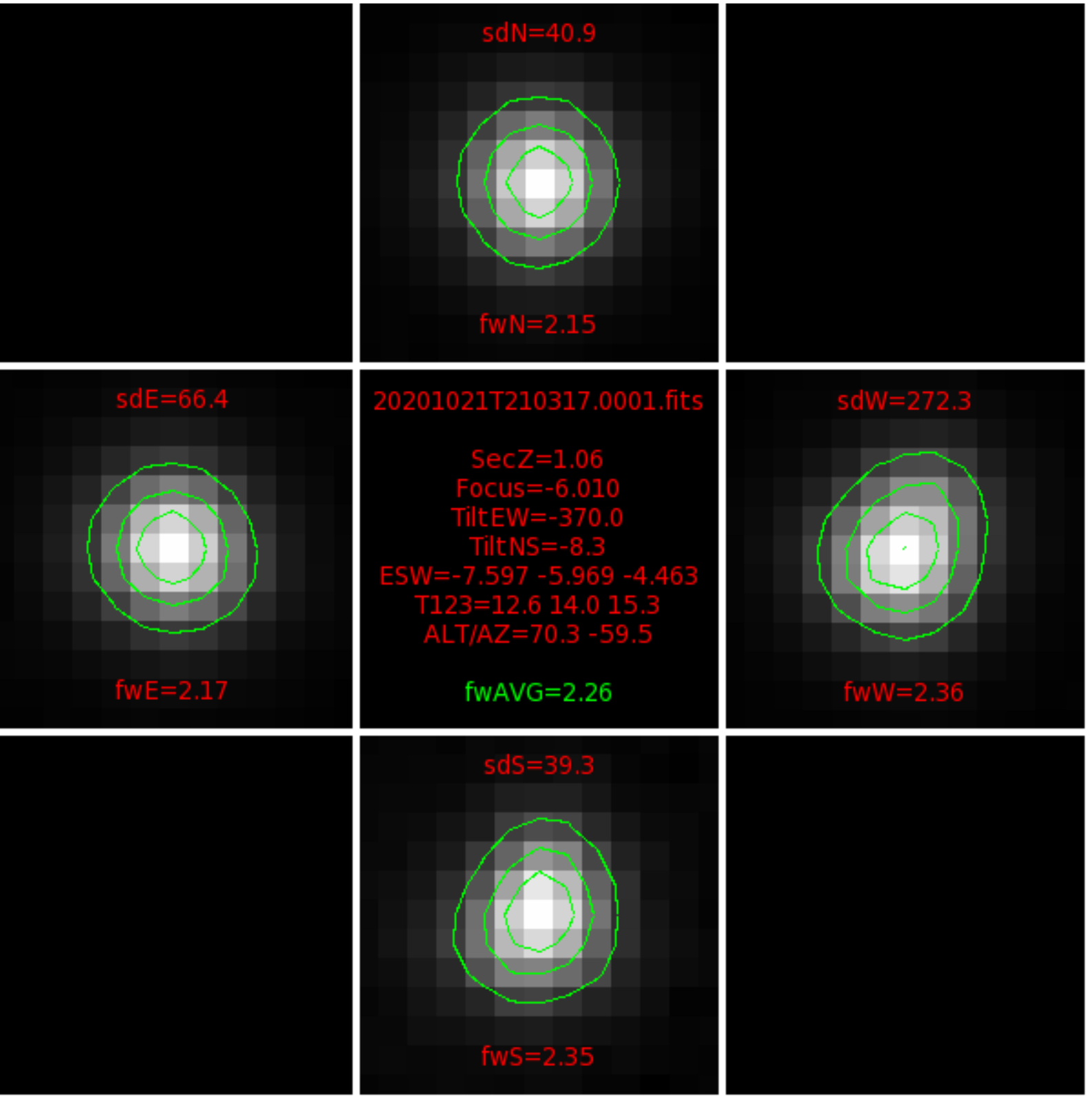
sdN=40.9
fwN=2.15
sdE=66.4
fwE=2.17
20201021T210317.0001.fits
SecZ=1.06
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.6 14.0 15.3
ALT/AZ=70.3 -59.5
fwAVG=2.26
sdW=272.3
fwW=2.36
sdS=39.3
fwS=2.35
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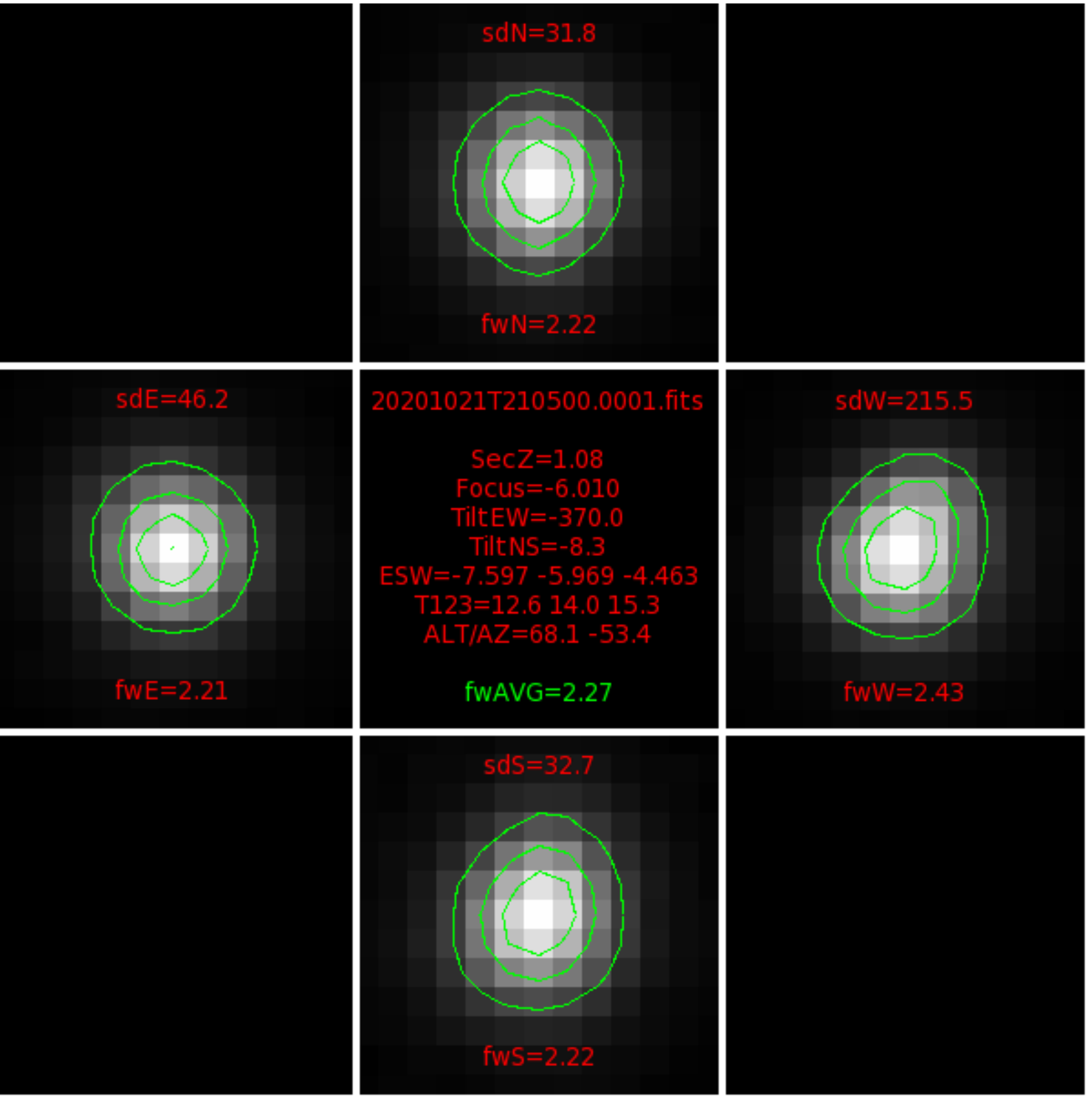
sdN=31.8
fwN=2.22
sdE=46.2
fwE=2.21
20201021T210500.0001.fits
SecZ=1.08
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.6 14.0 15.3
ALT/AZ=68.1 -53.4
fwAVG=2.27
sdW=215.5
fwW=2.43
sdS=32.7
fwS=2.22
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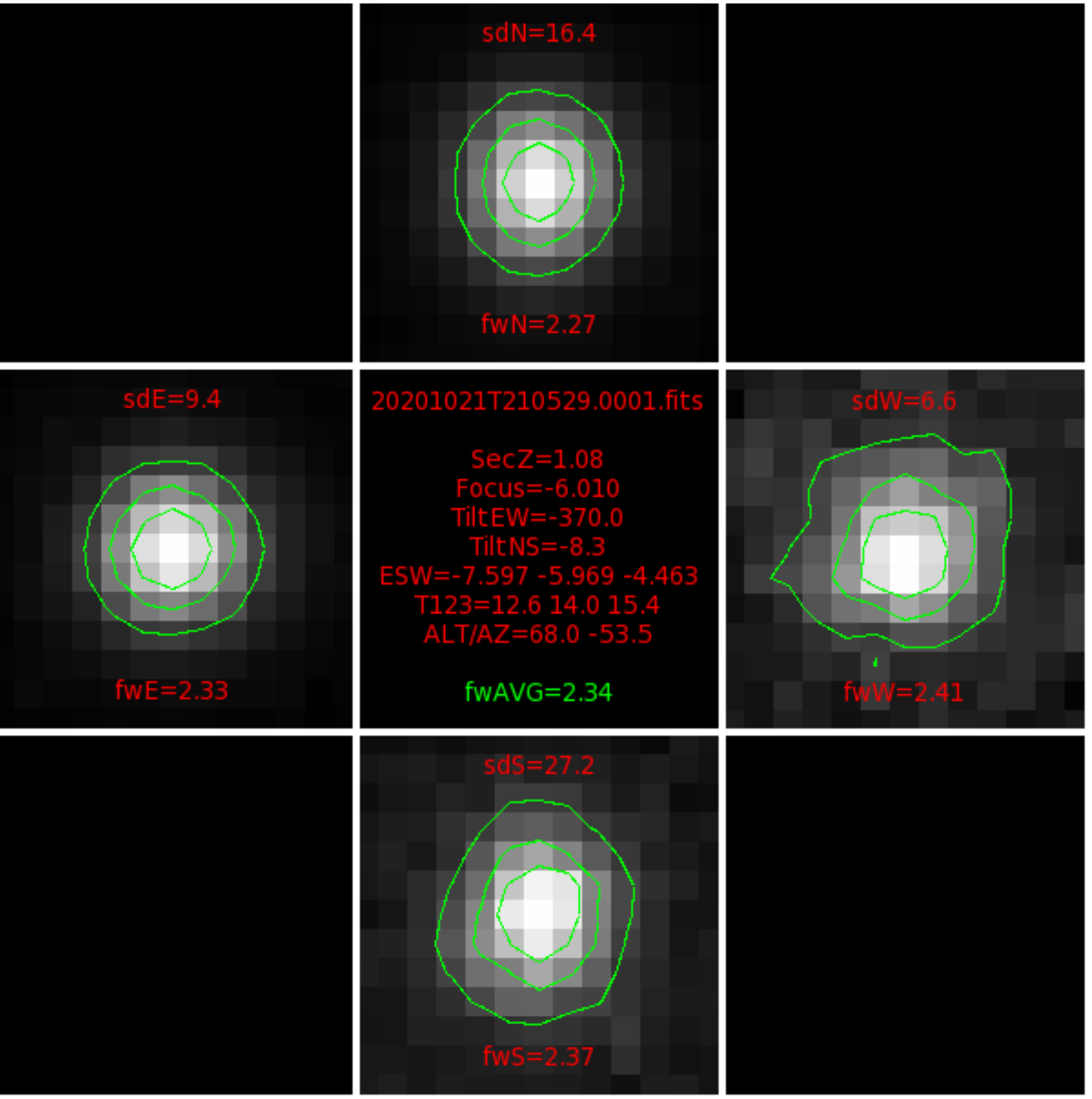
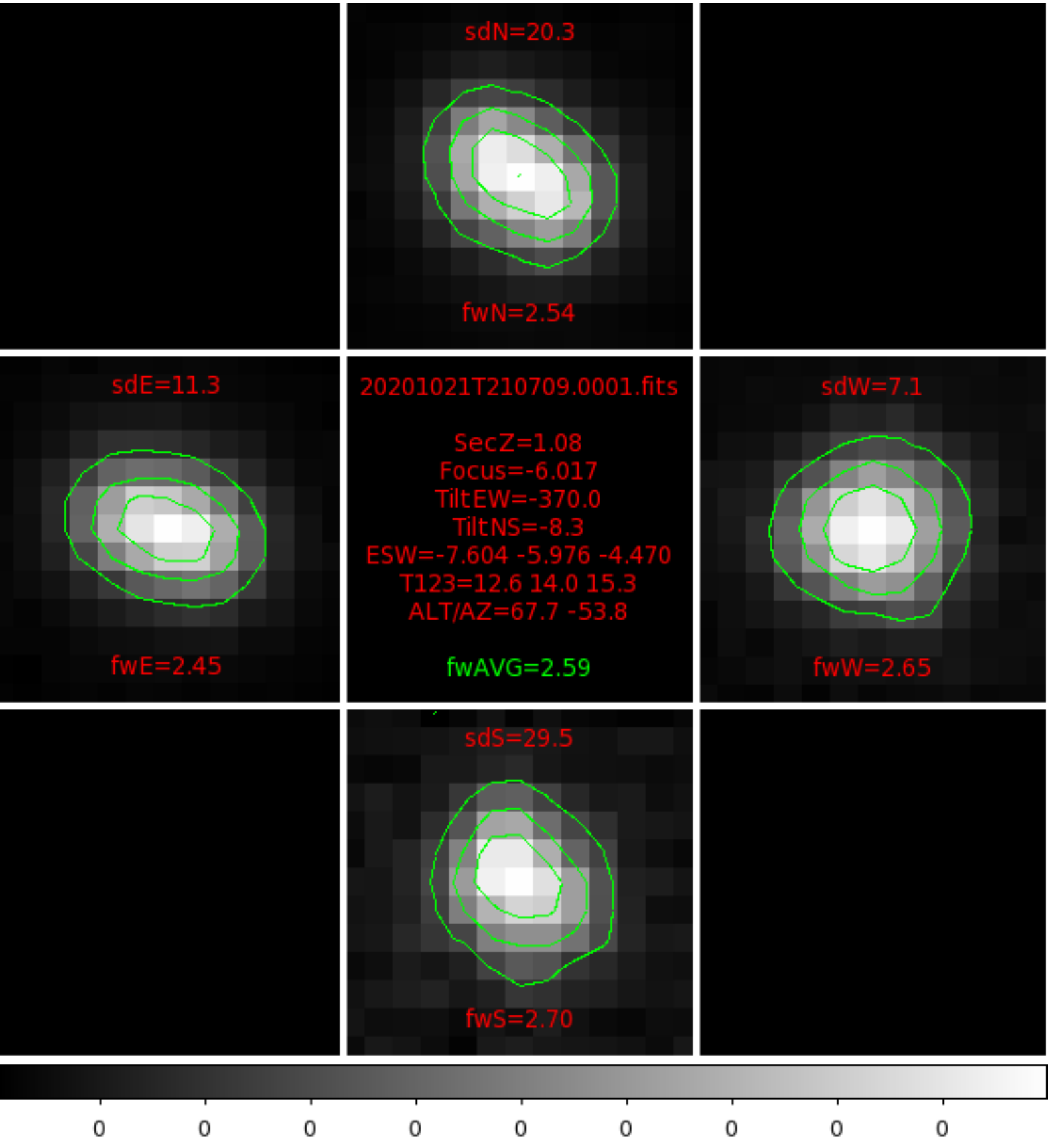

sdN=16.4
fwN=2.27
sdE=9.4
fwE=2.33
20201021T210529.0001.fits
SecZ=1.08
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.6 14.0 15.4
ALT/AZ=68.0 -53.5
fwAVG=2.34
sdW=6.6
fwW=2.41
sdS=27.2
fwS=2.37
0 0 0 0 0 0 0 0 0


sdN=20.3
fwN=2.54
sdE=11.3
fwE=2.45
20201021T210709.0001.fits
SecZ=1.08
Focus=-6.017
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.604 -5.976 -4.470
T123=12.6 14.0 15.3
ALT/AZ=67.7 -53.8
fwAVG=2.59
sdW=7.1
fwW=2.65
sdS=29.5
fwS=2.70
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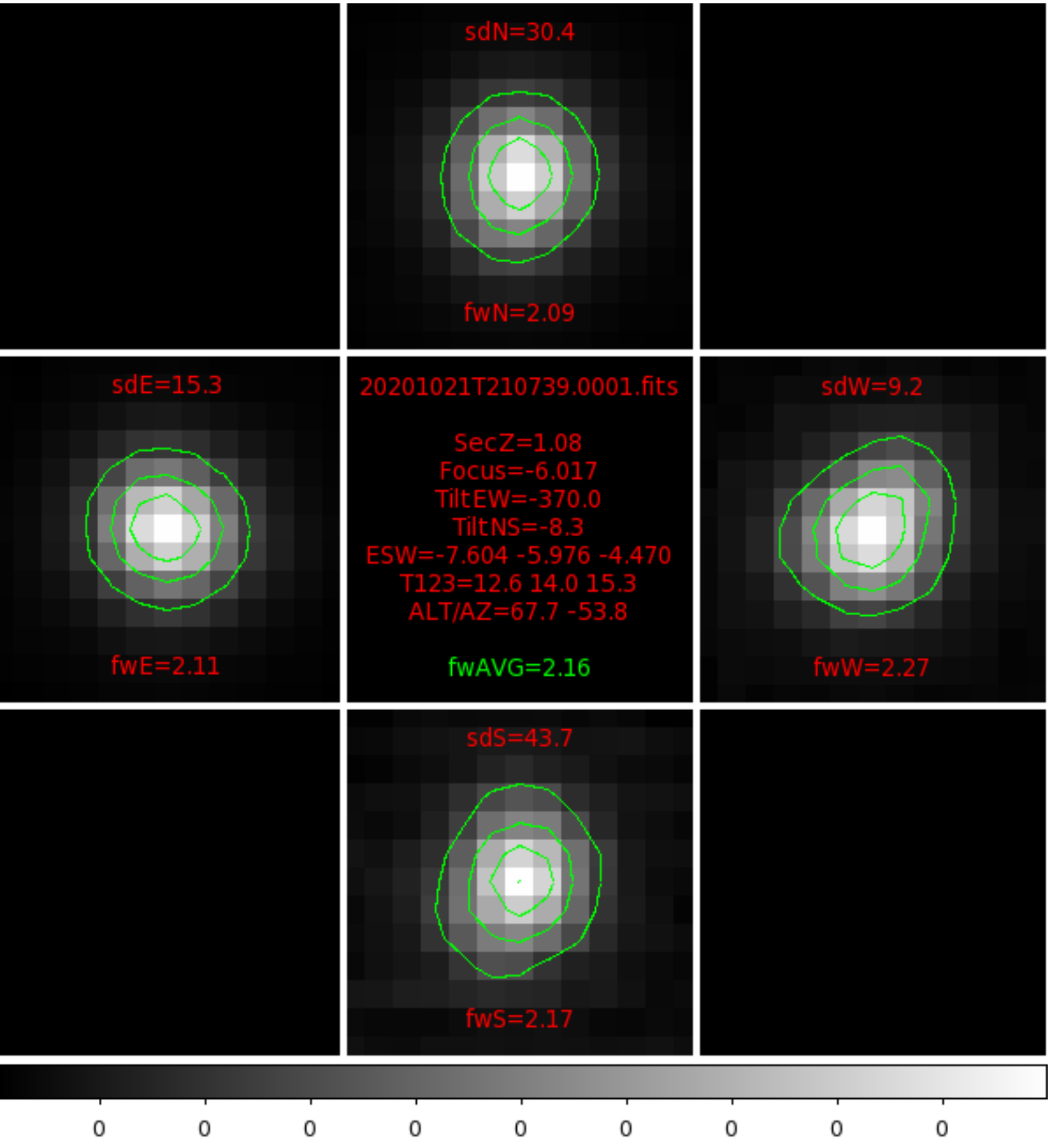
sdN=30.4
fwN=2.09
sdE=15.3
fwE=2.11
20201021T210739.0001.fits
SecZ=1.08
Focus=-6.017
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.604 -5.976 -4.470
T123=12.6 14.0 15.3
ALT/AZ=67.7 -53.8
fwAVG=2.16
sdW=9.2
fwW=2.27
sdS=43.7
fwS=2.17
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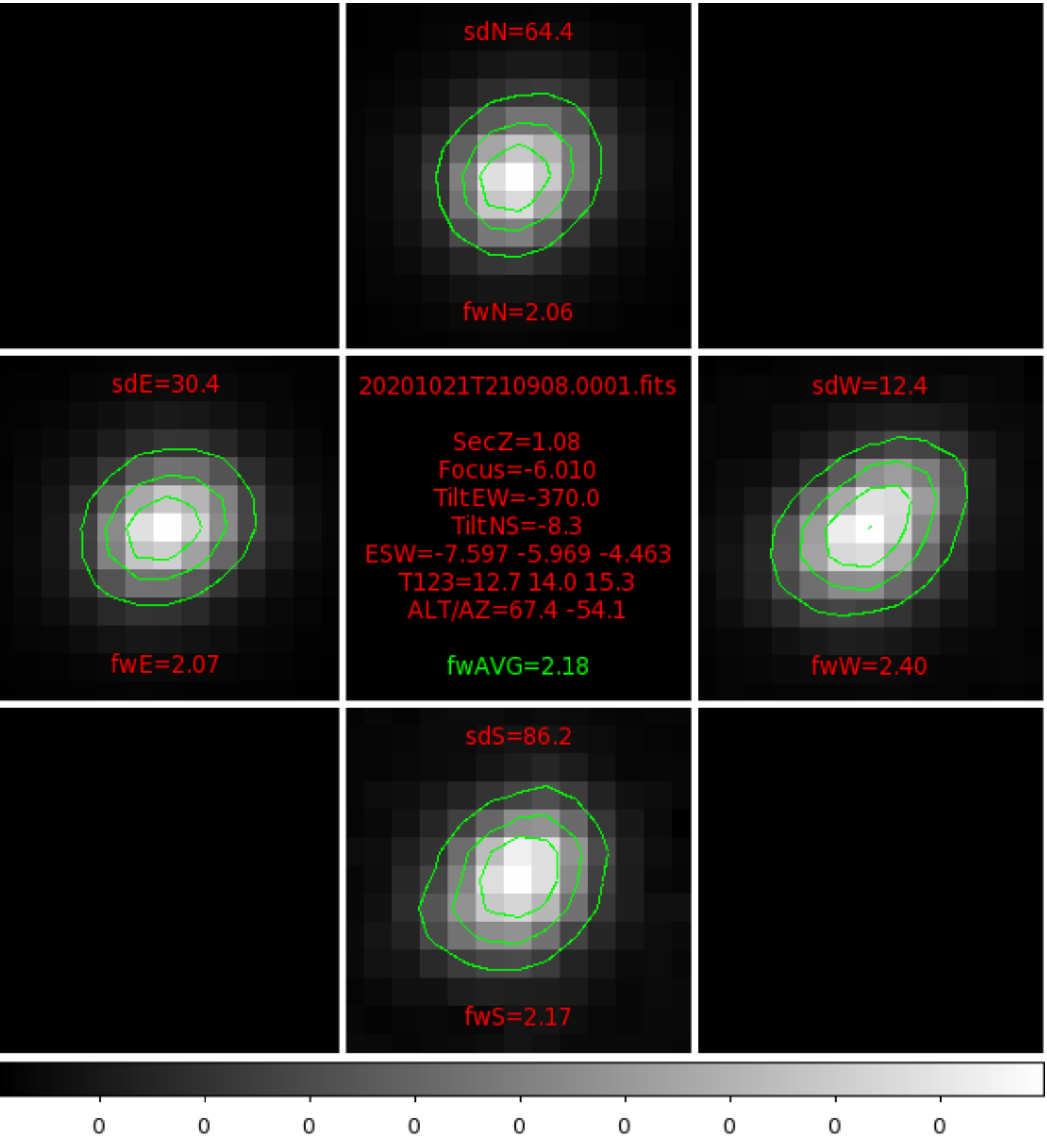
sdN=64.4
fwN=2.06
sdE=30.4
fwE=2.07
20201021T210908.0001.fits
SecZ=1.08
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.7 14.0 15.3
ALT/AZ=67.4 -54.1
fwAVG=2.18
sdW=12.4
fwW=2.40
sdS=86.2
fwS=2.17
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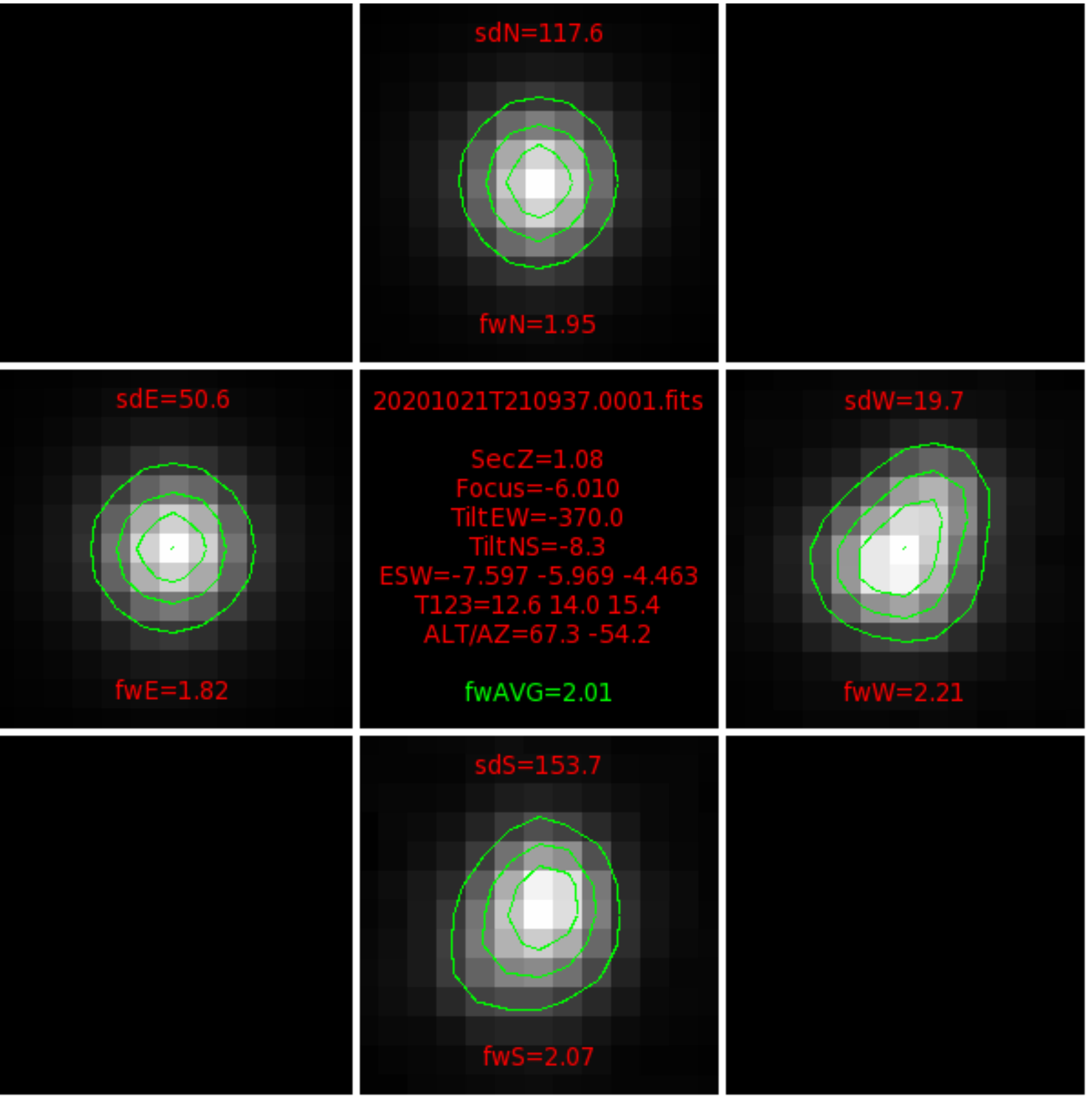
sdN=117.6
fwN=1.95
sdE=50.6
fwE=1.82
20201021T210937.0001.fits
SecZ=1.08
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.6 14.0 15.4
ALT/AZ=67.3 -54.2
fwAVG=2.01
sdW=19.7
fwW=2.21
sdS=153.7
fwS=2.07
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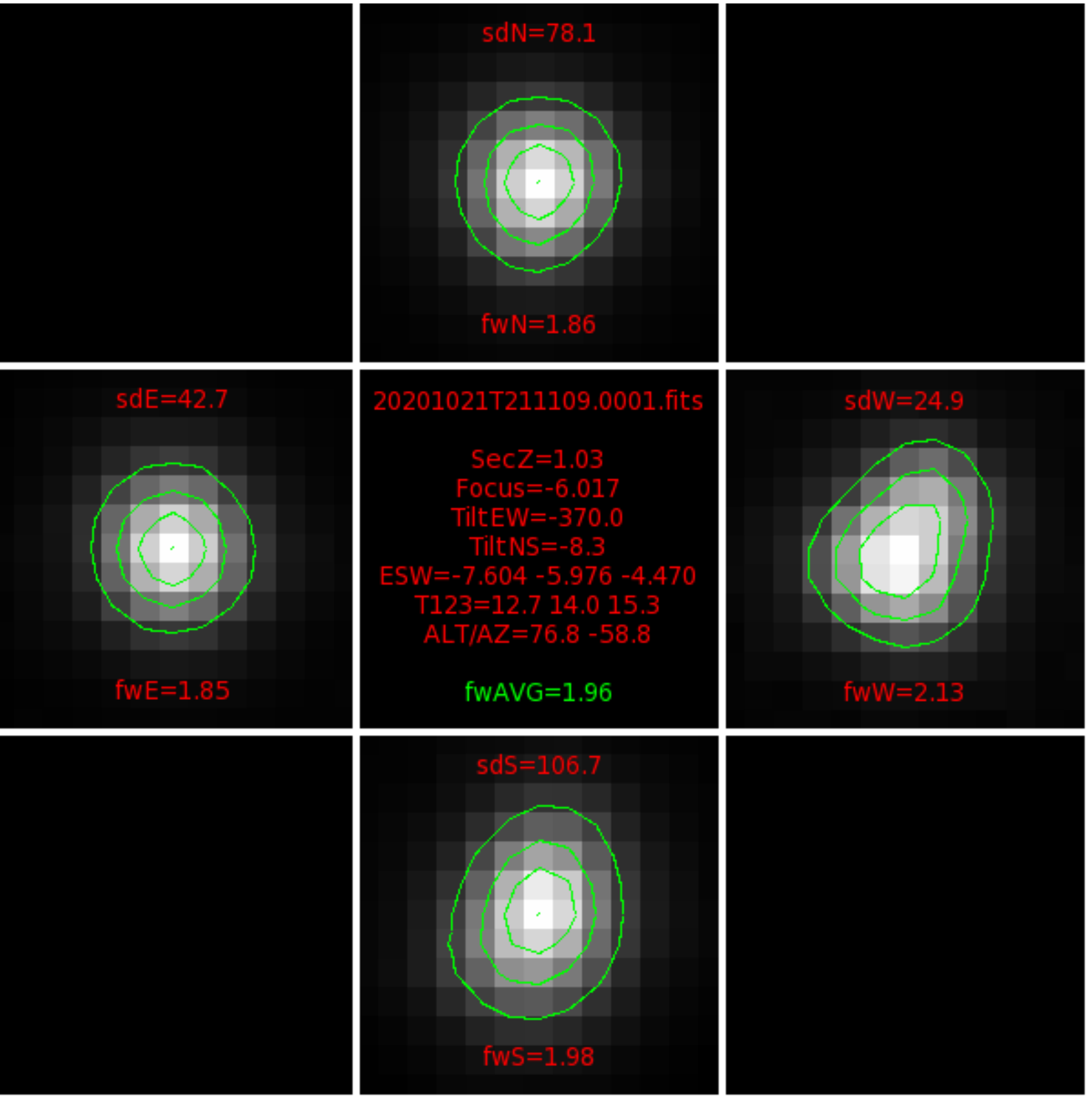
sdN=78.1
fwN=1.86
sdE=42.7
fwE=1.85
20201021T211109.0001.fits
SecZ=1.03
Focus=-6.017
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.604 -5.976 -4.470
T123=12.7 14.0 15.3
ALT/AZ=76.8 -58.8
fwAVG=1.96
sdW=24.9
fwW=2.13
sdS=106.7
fwS=1.98
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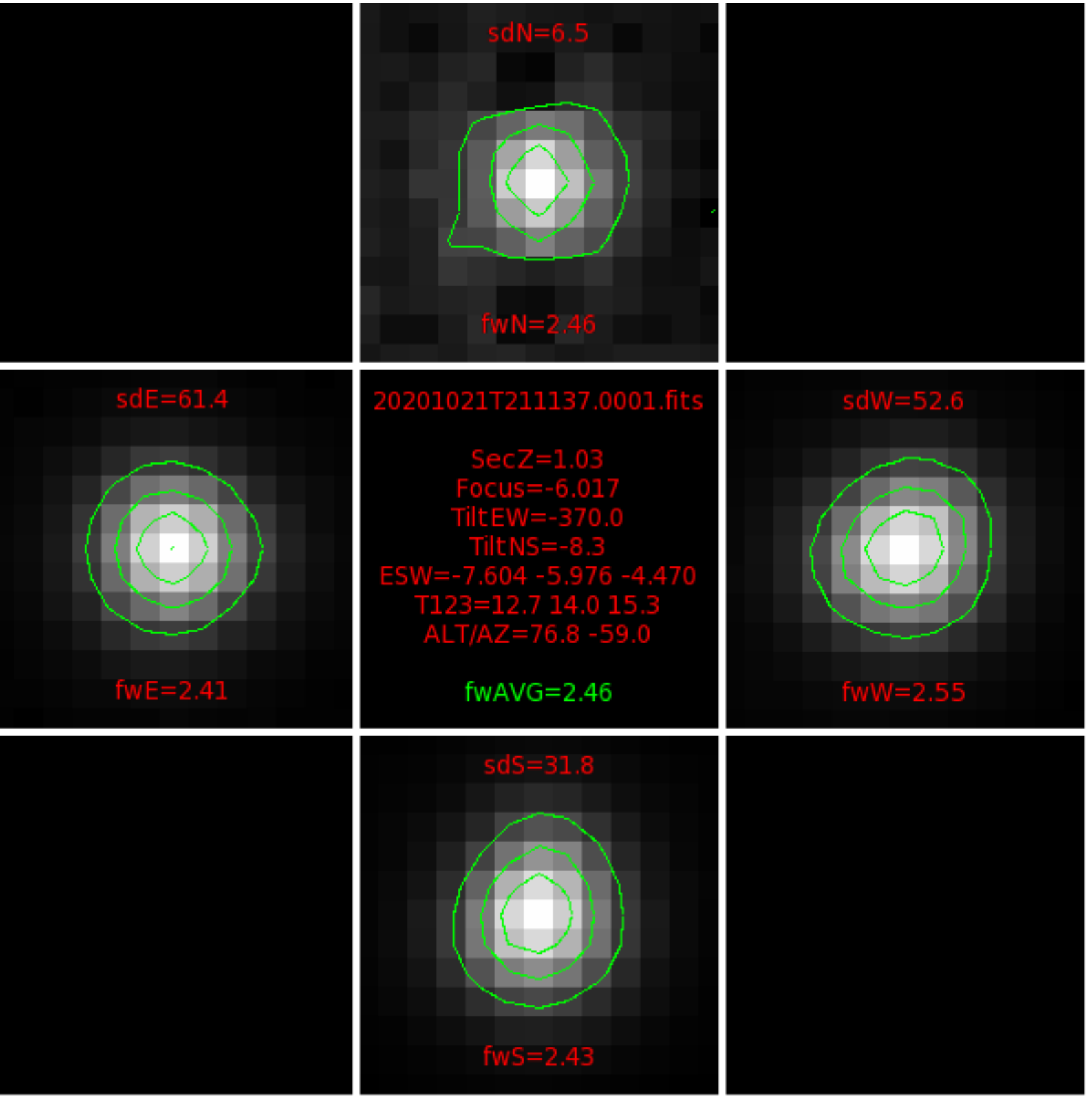
sdN=6.5
fwN=2.46
sdE=61.4
fwE=2.41
20201021T211137.0001.fits
SecZ=1.03
Focus=-6.017
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.604 -5.976 -4.470
T123=12.7 14.0 15.3
ALT/AZ=76.8 -59.0
fwAVG=2.46
sdW=52.6
fwW=2.55
sdS=31.8
fwS=2.43
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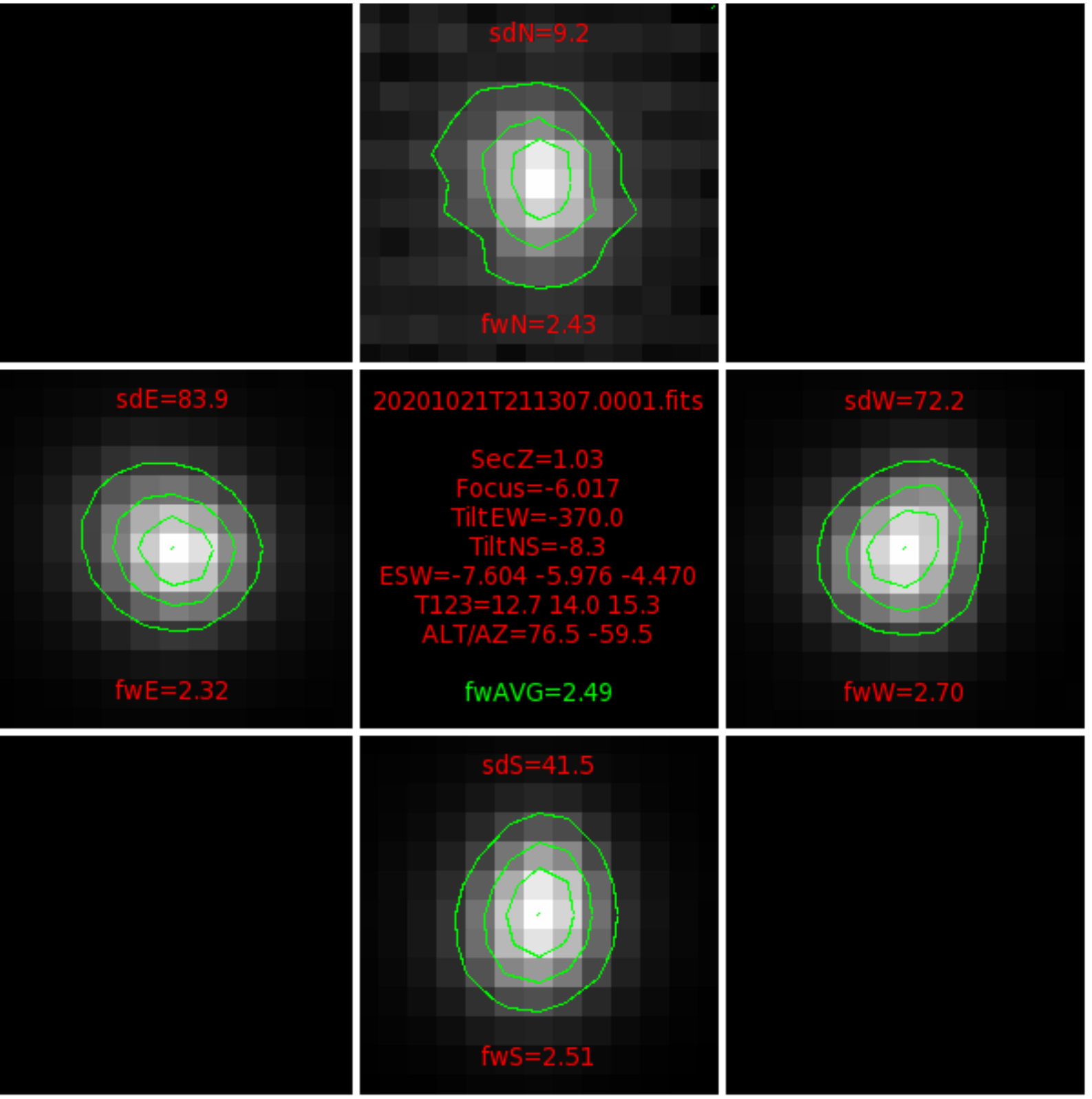
sdN=9.2
fwN=2.43
sdE=83.9
fwE=2.32
20201021T211307.0001.fits
SecZ=1.03
Focus=-6.017
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.604 -5.976 -4.470
T123=12.7 14.0 15.3
ALT/AZ=76.5 -59.5
fwAVG=2.49
sdW=72.2
fwW=2.70
sdS=41.5
fwS=2.51
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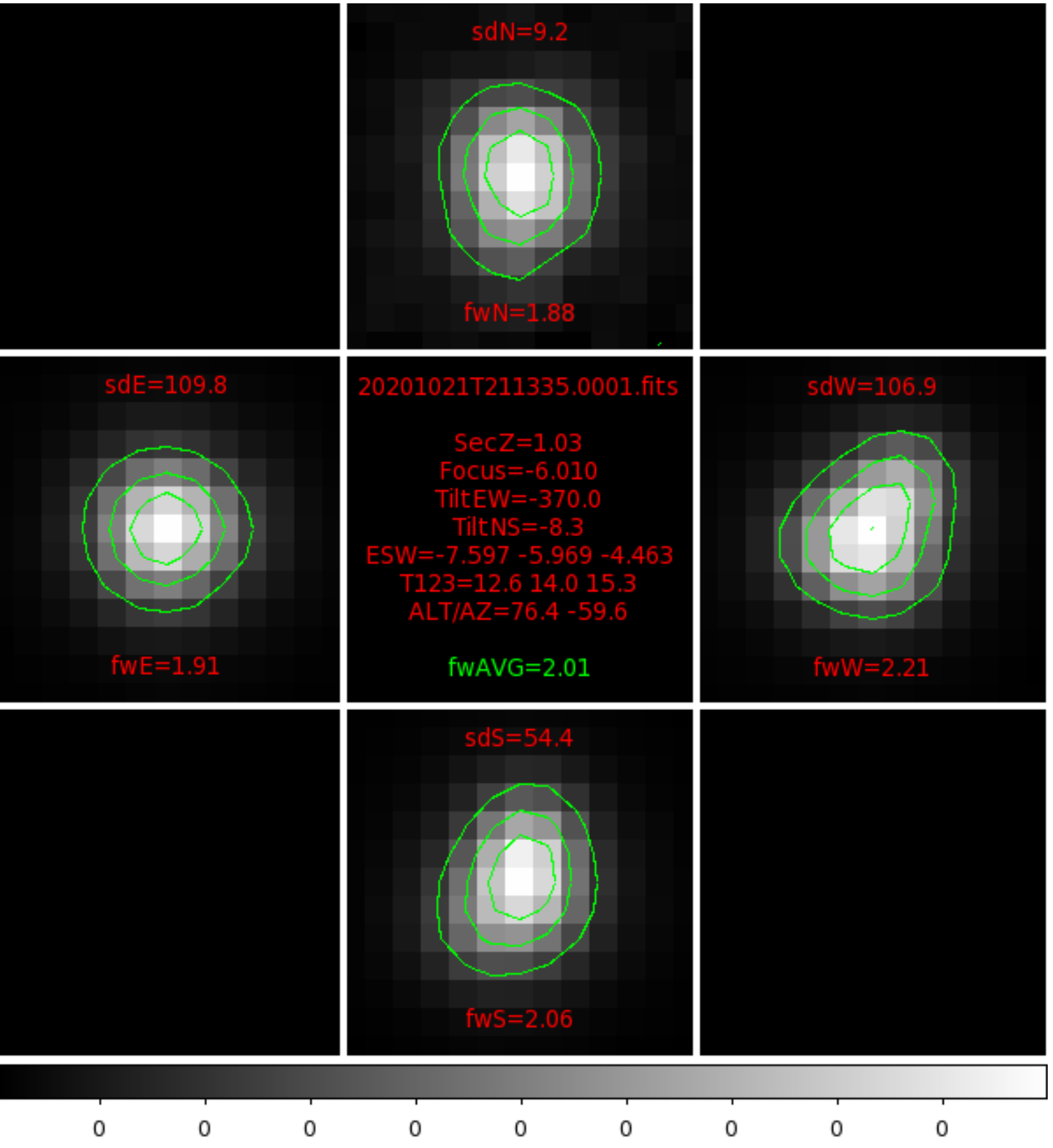
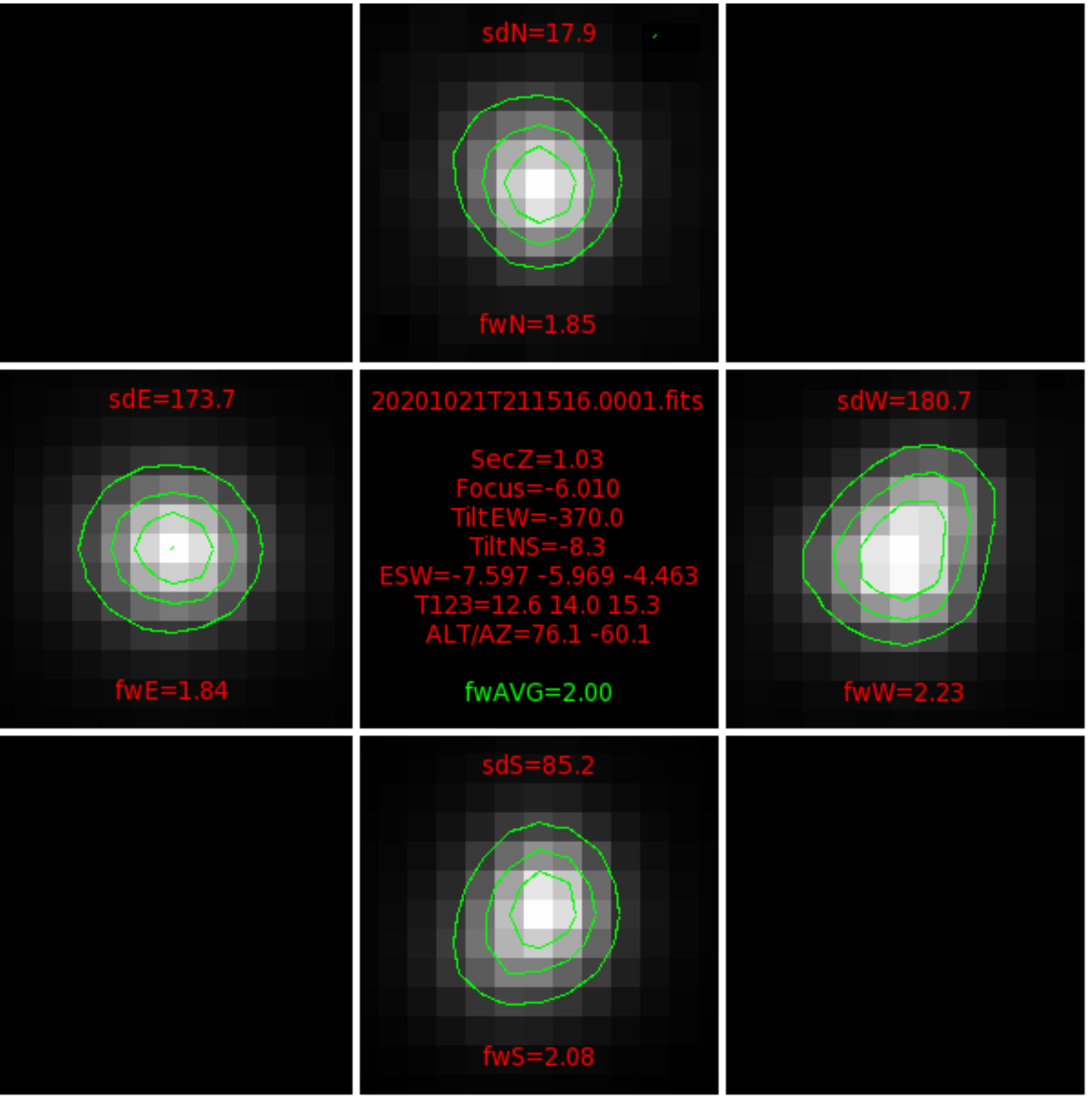

sdN=9.2
fwN=1.88
sdE=109.8
fwE=1.91
20201021T211335.0001.fits
SecZ=1.03
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.6 14.0 15.3
ALT/AZ=76.4 -59.6
fwAVG=2.01
sdW=106.9
fwW=2.21
sdS=54.4
fwS=2.06
0 0 0 0 0 0 0 0 0


sdN=17.9
fwN=1.85
sdE=173.7
fwE=1.84
20201021T211516.0001.fits
SecZ=1.03
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.6 14.0 15.3
ALT/AZ=76.1 -60.1
fwAVG=2.00
sdW=180.7
fwW=2.23
sdS=85.2
fwS=2.08
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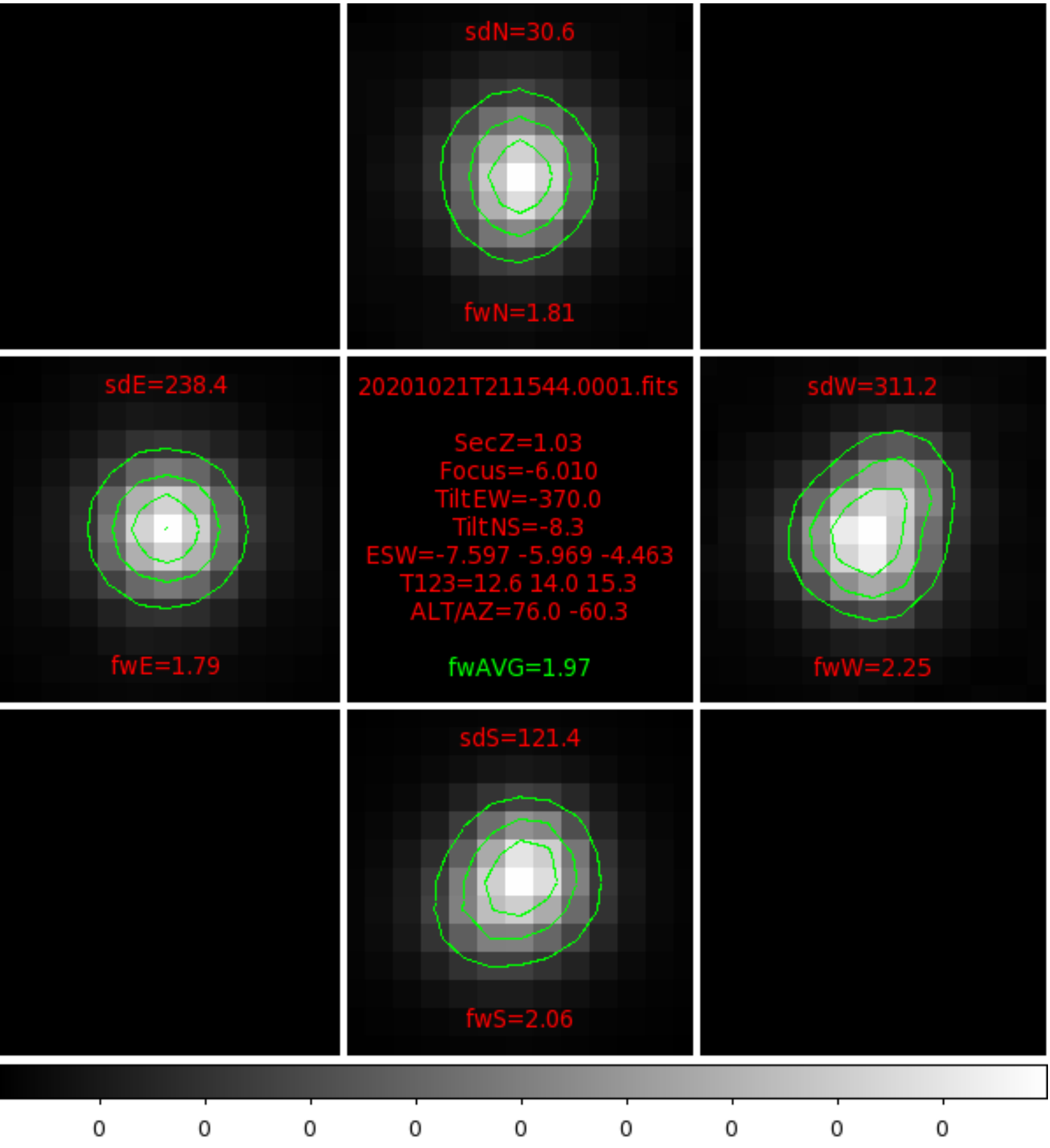
sdN=30.6
fwN=1.81
sdE=238.4
fwE=1.79
20201021T211544.0001.fits
SecZ=1.03
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.6 14.0 15.3
ALT/AZ=76.0 -60.3
fwAVG=1.97
sdW=311.2
fwW=2.25
sdS=121.4
fwS=2.06
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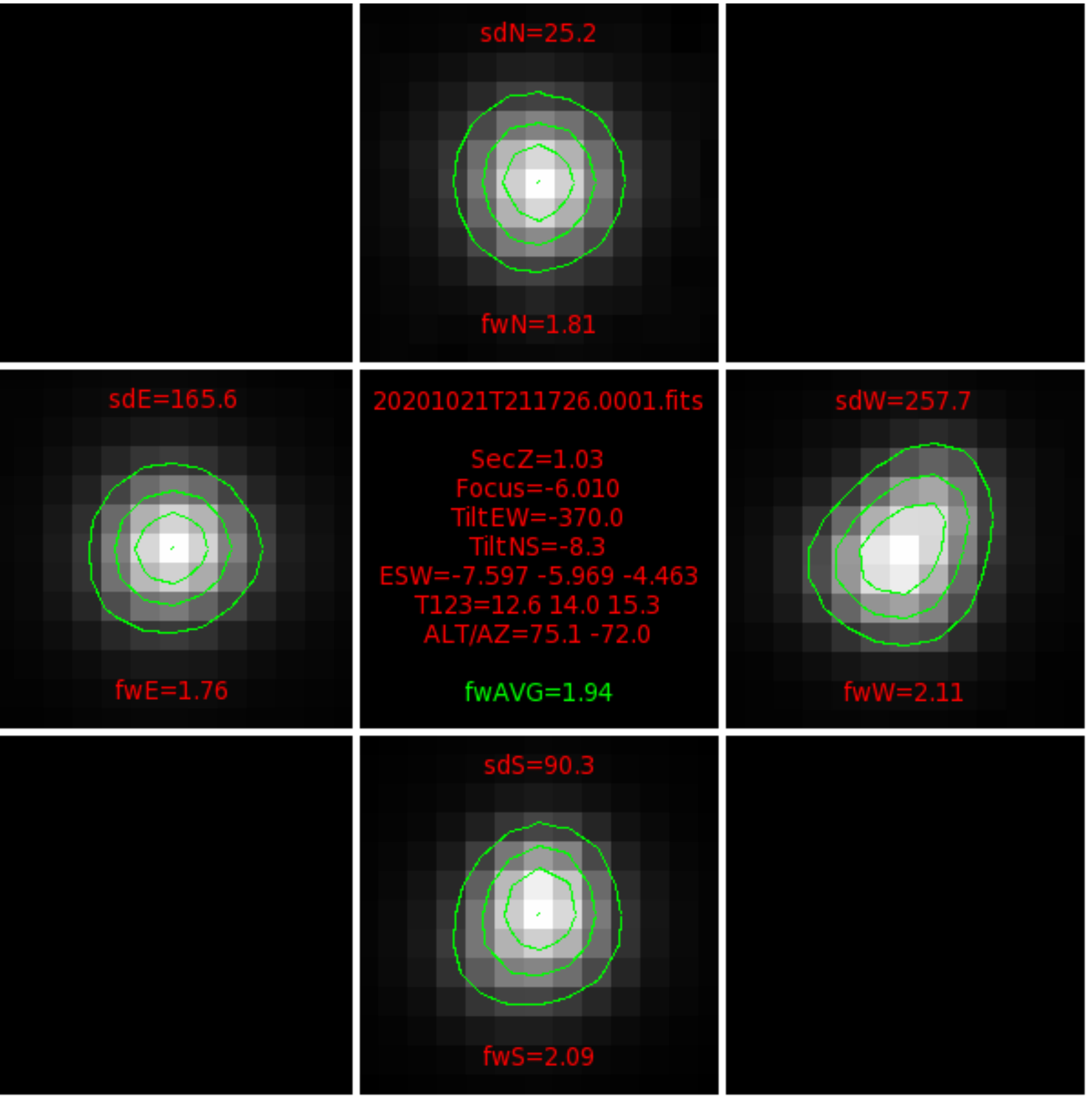
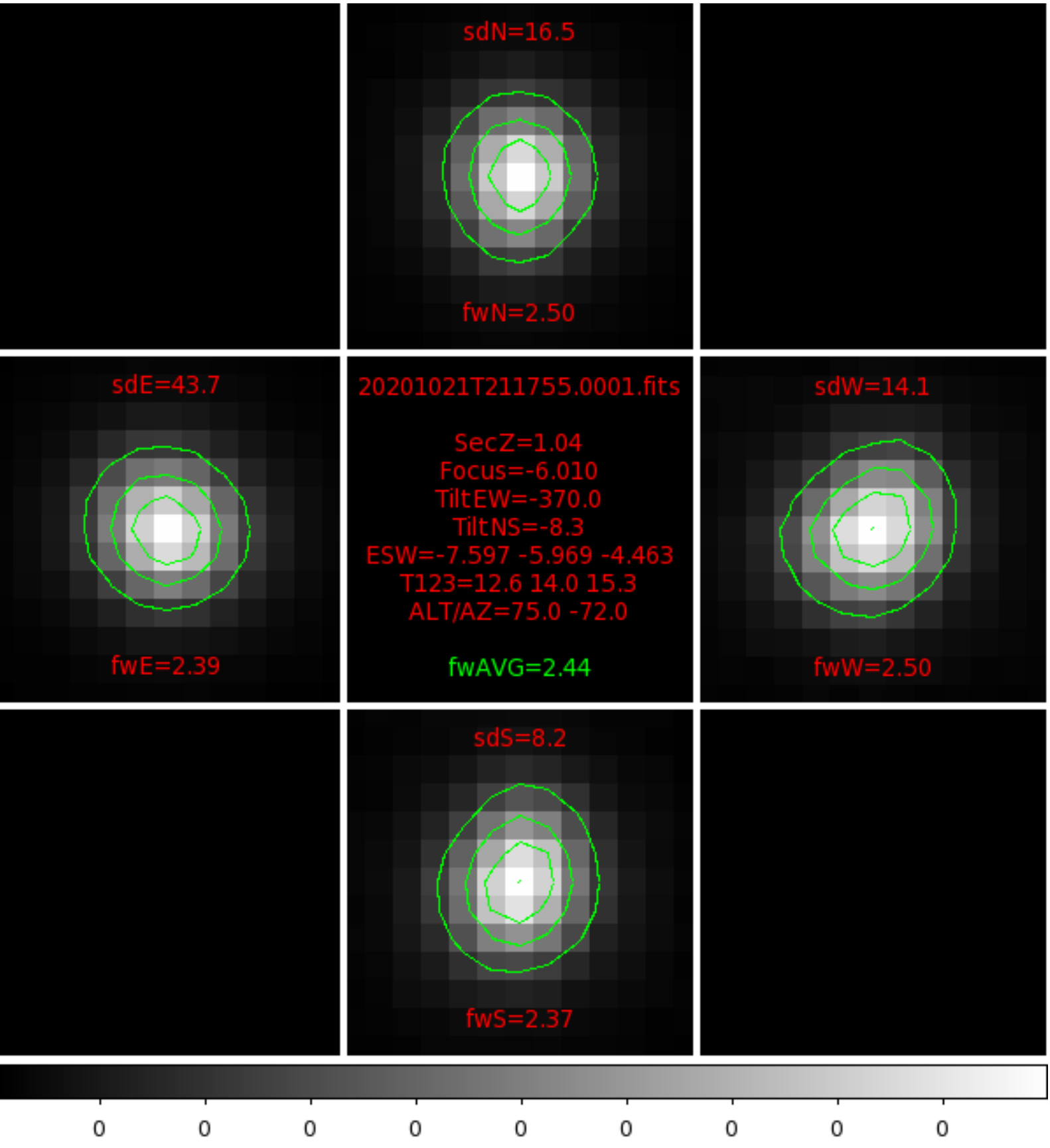

sdN=25.2
fwN=1.81
sdE=165.6
fwE=1.76
20201021T211726.0001.fits
SecZ=1.03
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.6 14.0 15.3
ALT/AZ=75.1 -72.0
fwAVG=1.94
sdW=257.7
fwW=2.11
sdS=90.3
fwS=2.09
0 0 0 0 0 0 0 0 0


sdN=16.5
fwN=2.50
sdE=43.7
fwE=2.39
20201021T211755.0001.fits
SecZ=1.04
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.6 14.0 15.3
ALT/AZ=75.0 -72.0
fwAVG=2.44
sdW=14.1
fwW=2.50
sdS=8.2
fwS=2.37
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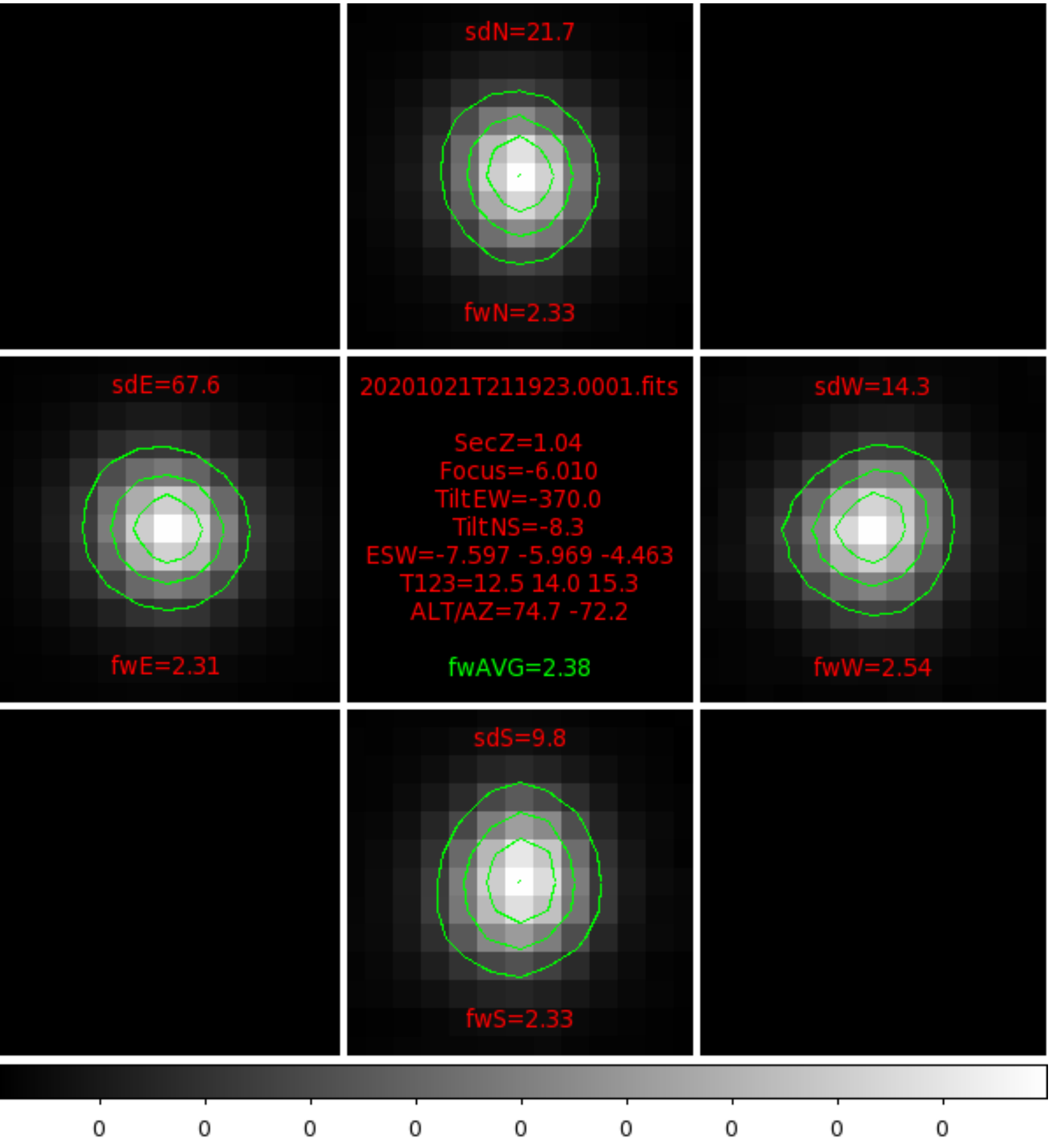
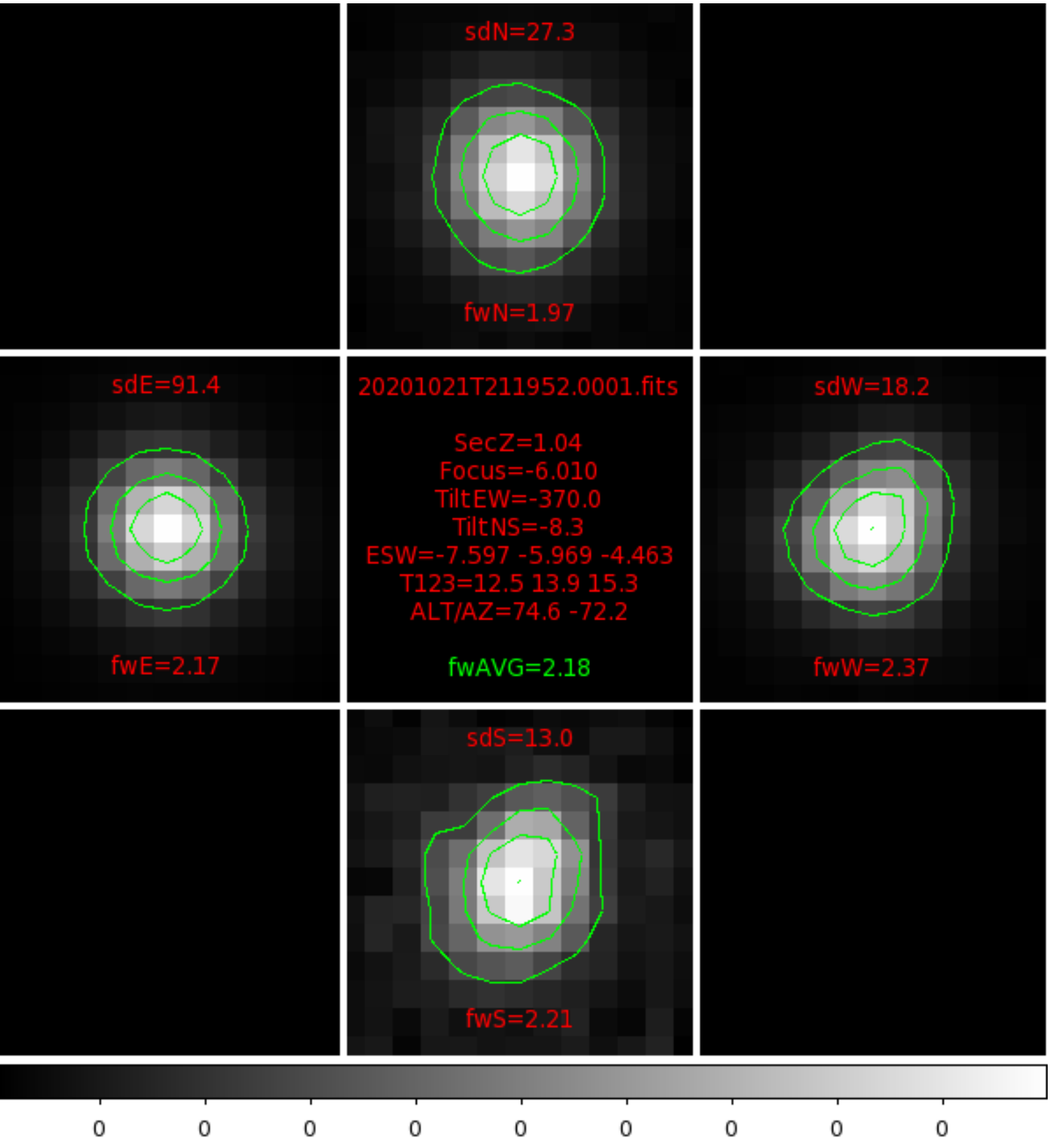
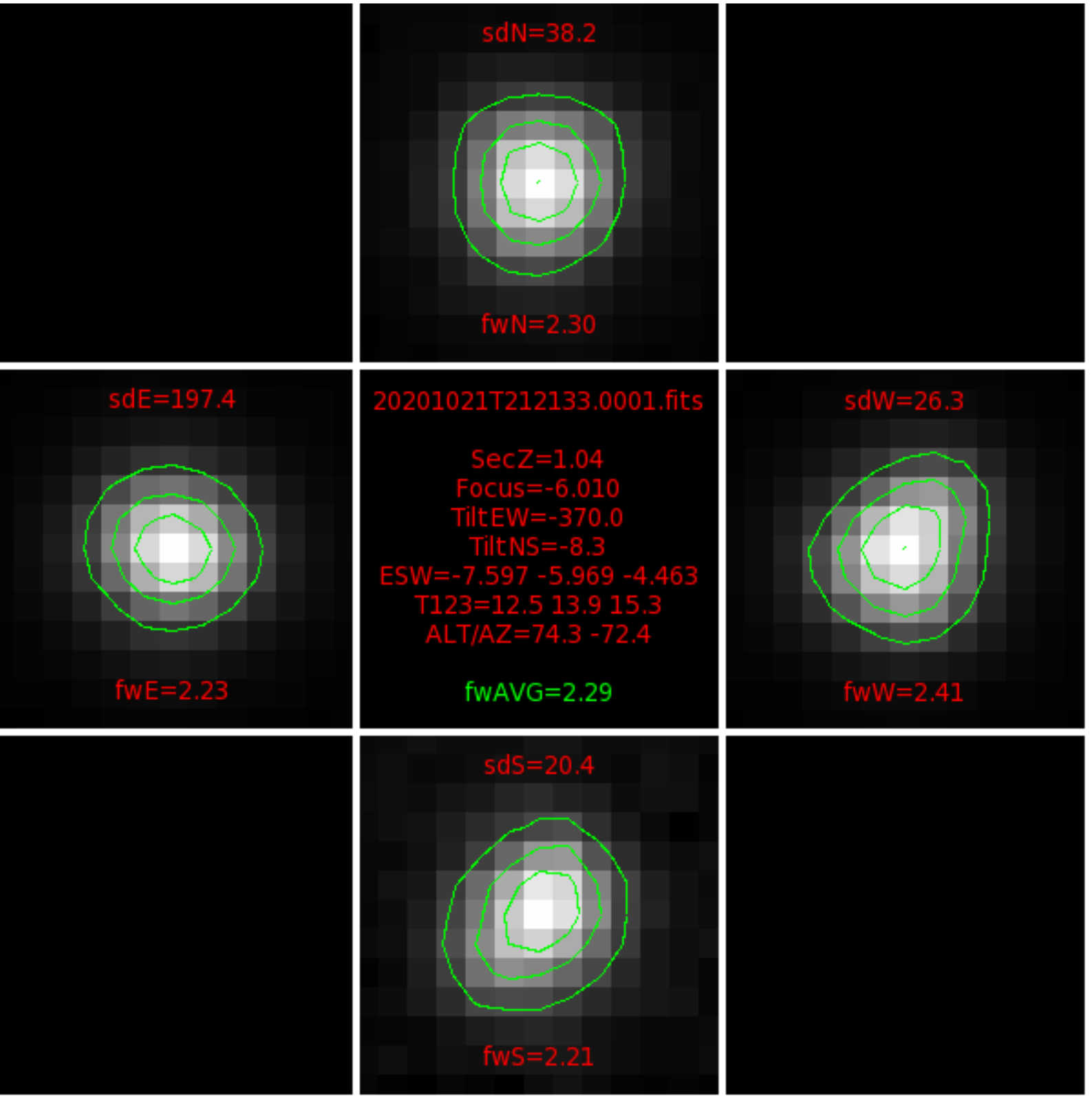

sdN=21.7
fwN=2.33
sdE=67.6
fwE=2.31
20201021T211923.0001.fits
SecZ=1.04
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.5 14.0 15.3
ALT/AZ=74.7 -72.2
fwAVG=2.38
sdW=14.3
fwW=2.54
sdS=9.8
fwS=2.33
0 0 0 0 0 0 0 0 0


sdN=27.3
fwN=1.97
sdE=91.4
fwE=2.17
20201021T211952.0001.fits
SecZ=1.04
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.5 13.9 15.3
ALT/AZ=74.6 -72.2
fwAVG=2.18
sdW=18.2
fwW=2.37
sdS=13.0
fwS=2.21
0 0 0 0 0 0 0 0 0


sdN=38.2
fwN=2.30
sdE=197.4
fwE=2.23
20201021T212133.0001.fits
SecZ=1.04
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.5 13.9 15.3
ALT/AZ=74.3 -72.4
fwAVG=2.29
sdW=26.3
fwW=2.41
sdS=20.4
fwS=2.21
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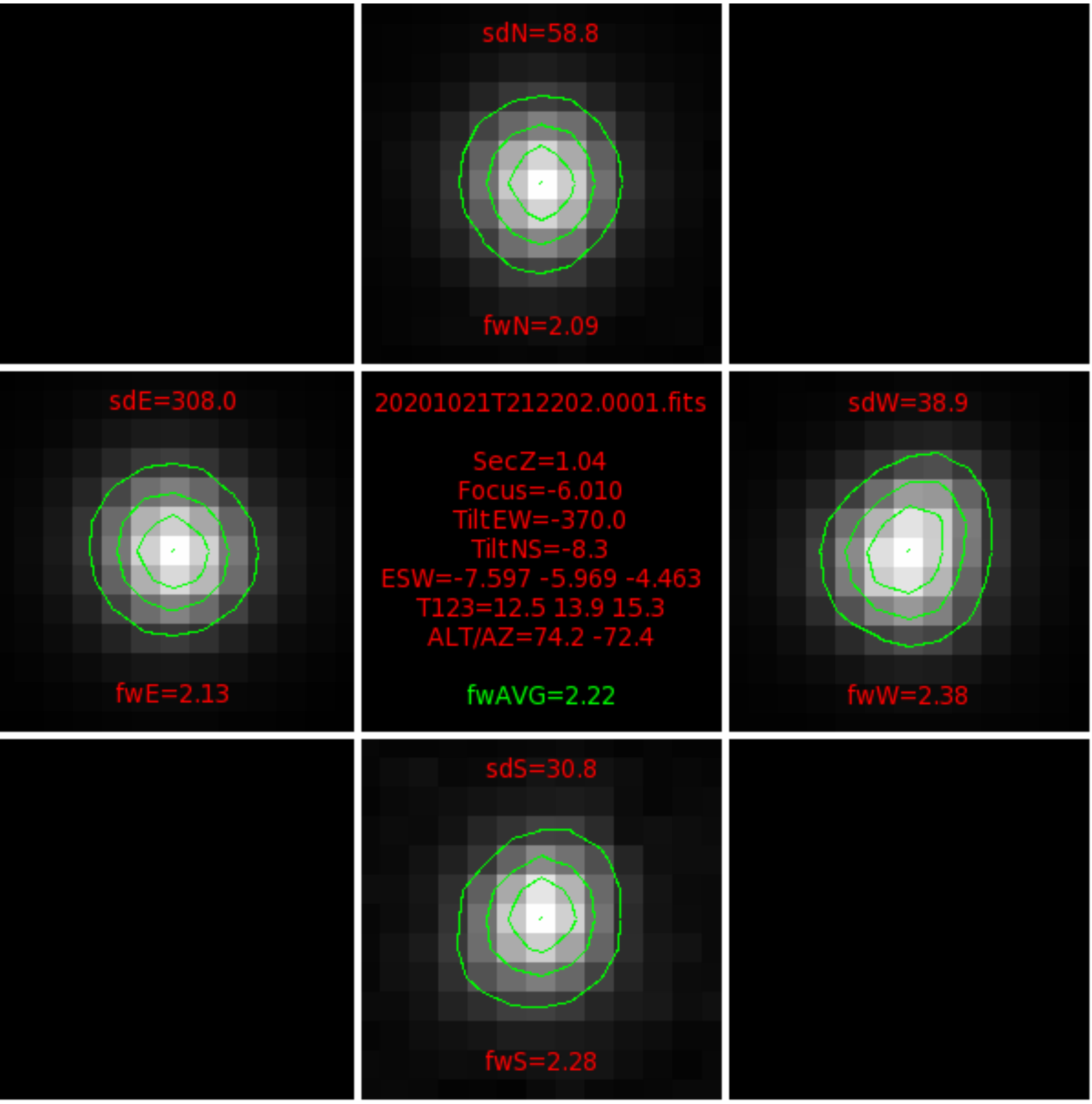
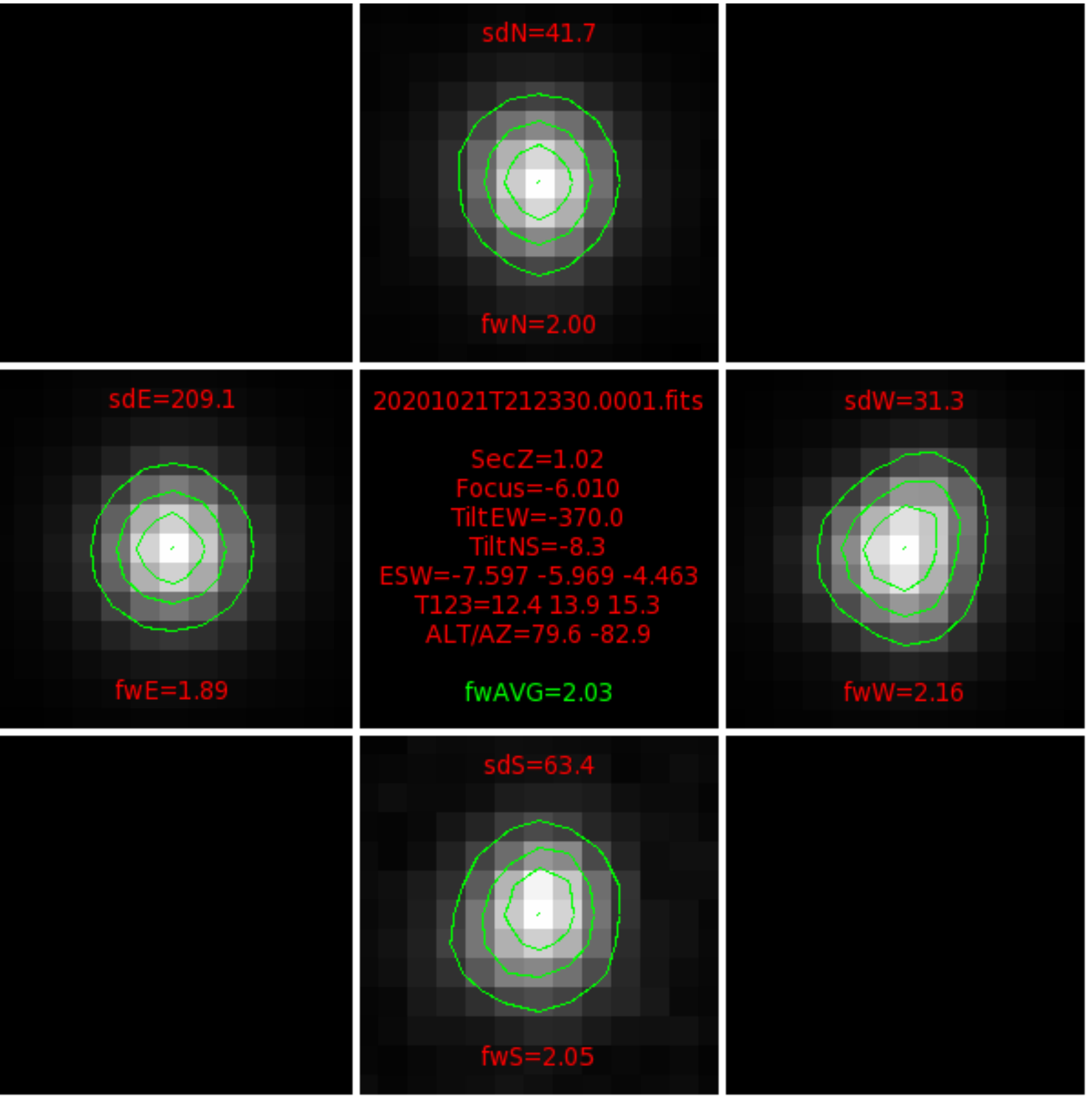

sdN=58.8
fwN=2.09
sdE=308.0
fwE=2.13
20201021T212202.0001.fits
SecZ=1.04
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.5 13.9 15.3
ALT/AZ=74.2 -72.4
fwAVG=2.22
sdW=38.9
fwW=2.38
sdS=30.8
fwS=2.28
0 0 0 0 0 0 0 0 0


sdN=41.7
fwN=2.00
sdE=209.1
fwE=1.89
20201021T212330.0001.fits
SecZ=1.02
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.4 13.9 15.3
ALT/AZ=79.6 -82.9
fwAVG=2.03
sdW=31.3
fwW=2.16
sdS=63.4
fwS=2.05
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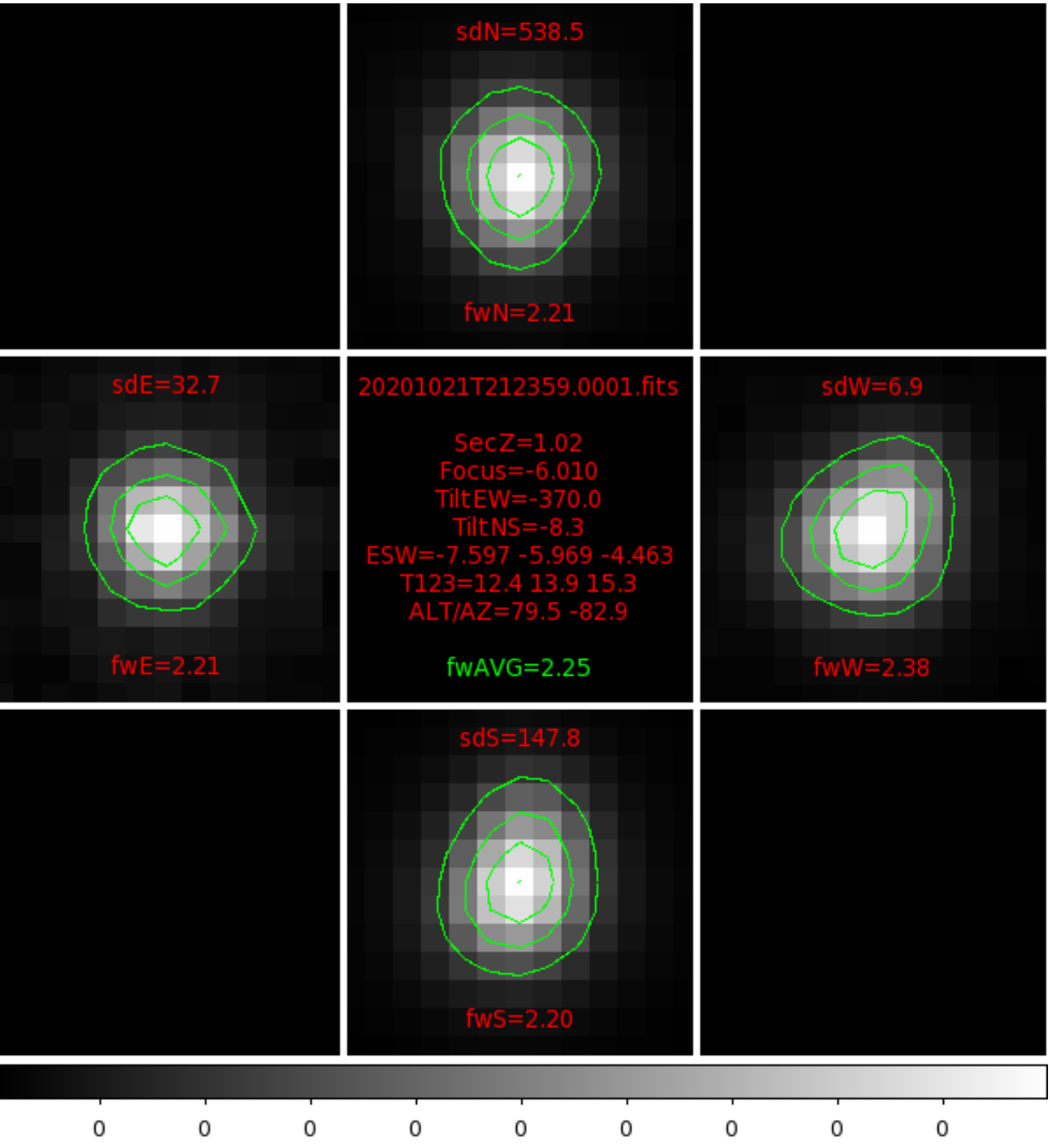
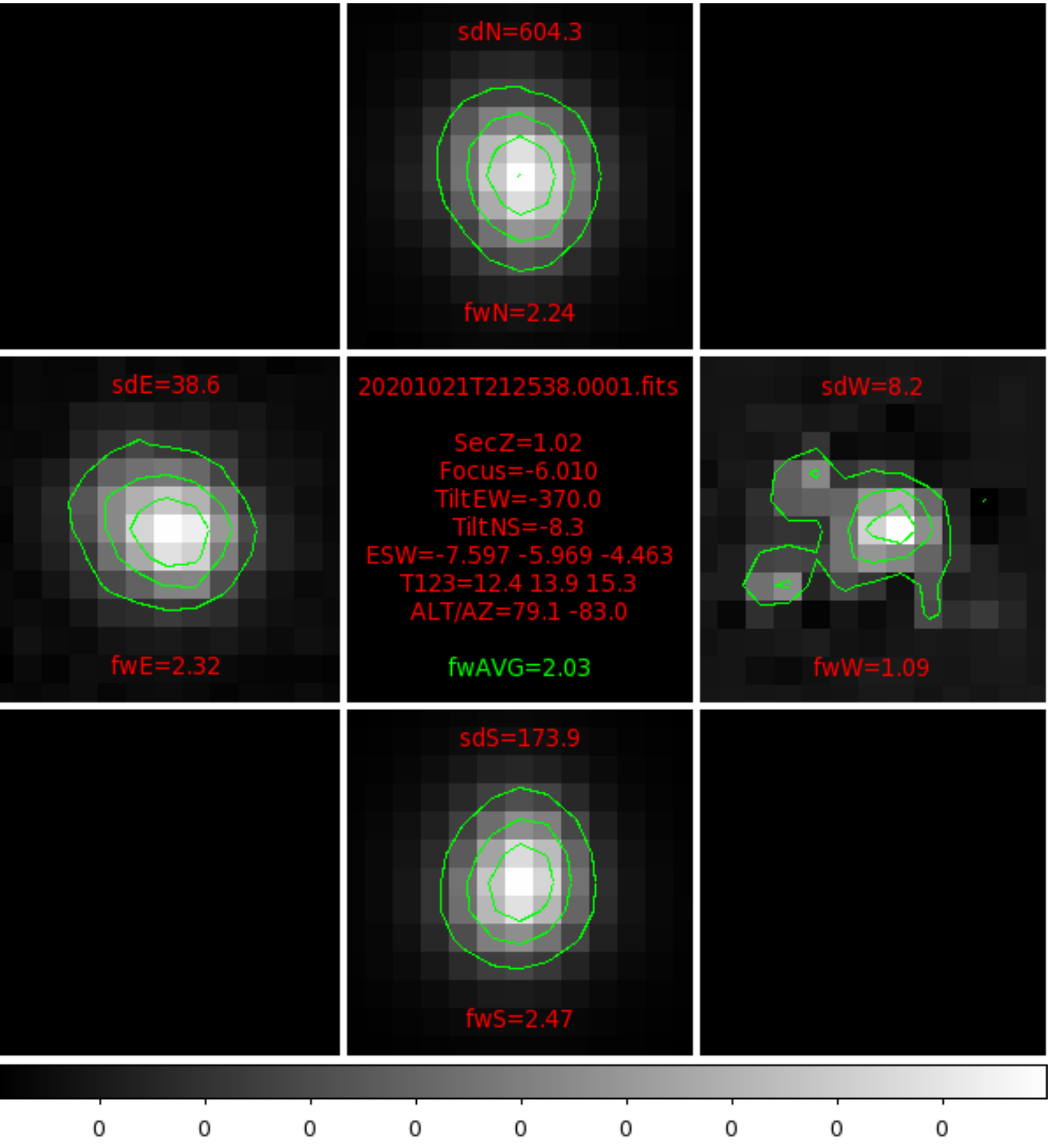
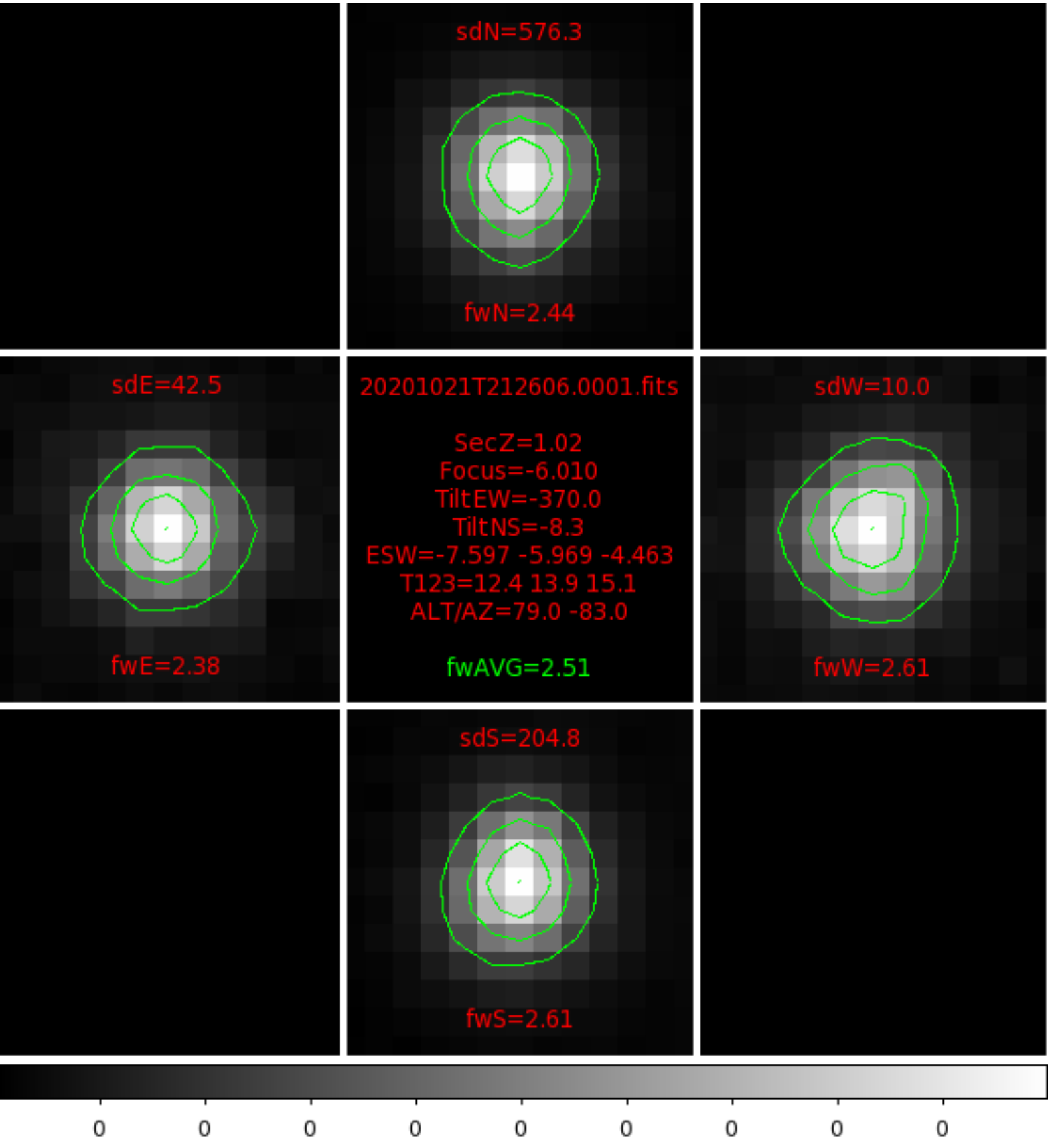
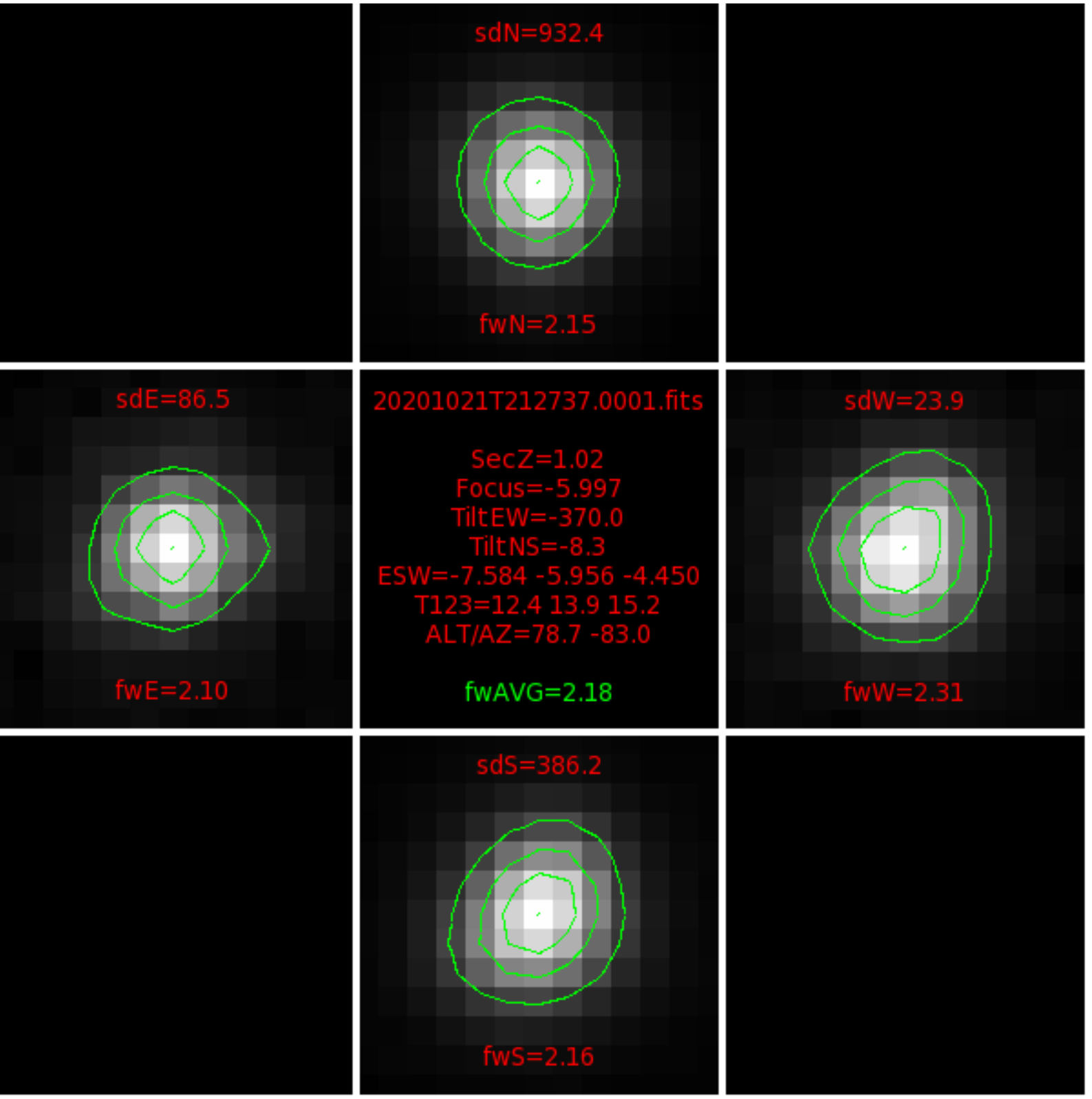

sdN=538.5
fwN=2.21
sdE=32.7
fwE=2.21
20201021T212359.0001.fits
SecZ=1.02
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.4 13.9 15.3
ALT/AZ=79.5 -82.9
fwAVG=2.25
sdW=6.9
fwW=2.38
sdS=147.8
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=604.3
fwN=2.24
sdE=38.6
fwE=2.32
20201021T212538.0001.fits
SecZ=1.02
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.4 13.9 15.3
ALT/AZ=79.1 -83.0
fwAVG=2.03
sdW=8.2
fwW=1.09
sdS=173.9
fwS=2.47
0 0 0 0 0 0 0 0 0


sdN=576.3
fwN=2.44
sdE=42.5
fwE=2.38
20201021T212606.0001.fits
SecZ=1.02
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.4 13.9 15.1
ALT/AZ=79.0 -83.0
fwAVG=2.51
sdW=10.0
fwW=2.61
sdS=204.8
fwS=2.61
0 0 0 0 0 0 0 0 0


sdN=932.4
fwN=2.15
sdE=86.5
fwE=2.10
20201021T212737.0001.fits
SecZ=1.02
Focus=-5.997
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.584 -5.956 -4.450
T123=12.4 13.9 15.2
ALT/AZ=78.7 -83.0
fwAVG=2.18
sdW=23.9
fwW=2.31
sdS=386.2
fwS=2.16
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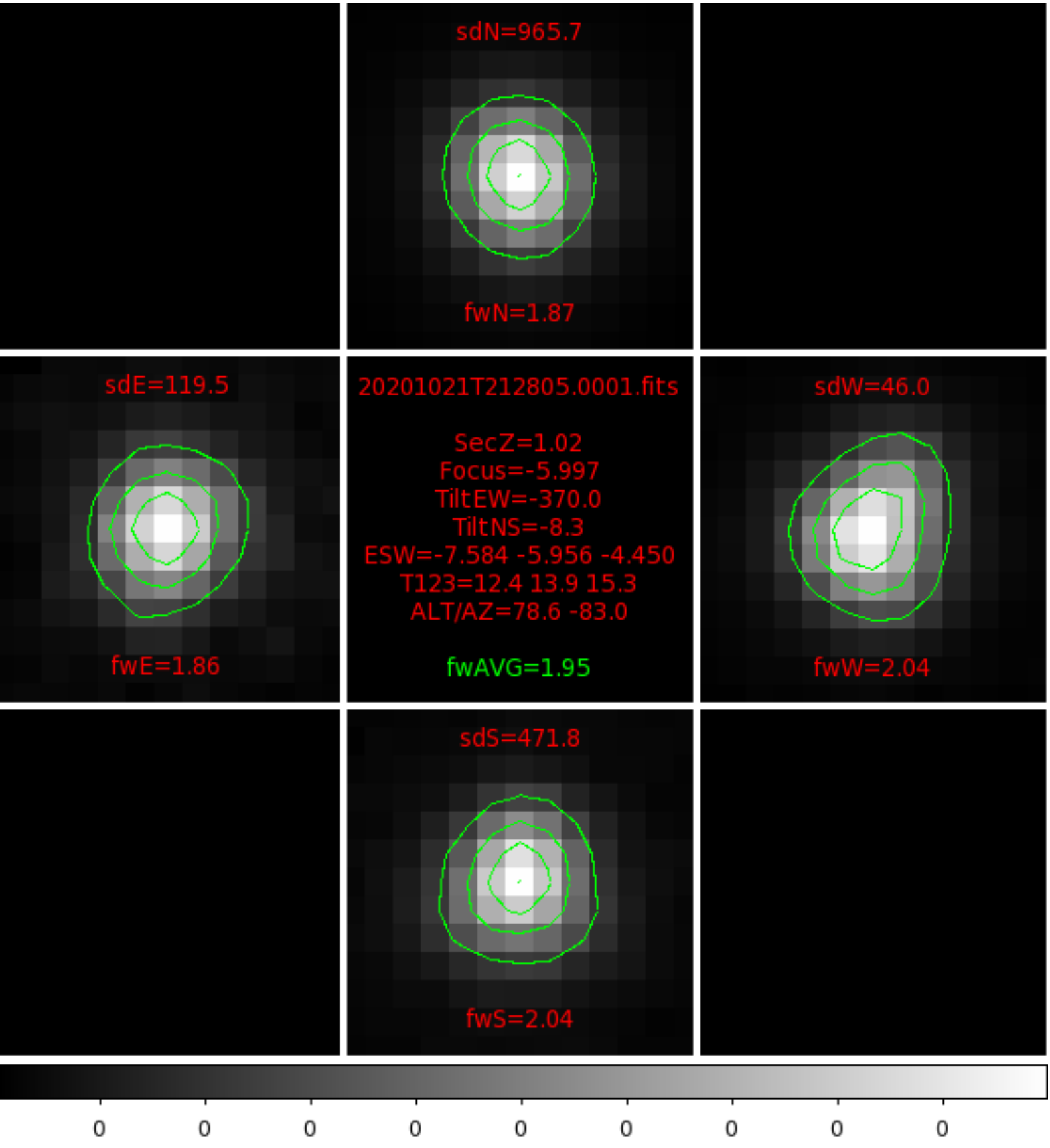
sdN=965.7
fwN=1.87
sdE=119.5
fwE=1.86
20201021T212805.0001.fits
SecZ=1.02
Focus=-5.997
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.584 -5.956 -4.450
T123=12.4 13.9 15.3
ALT/AZ=78.6 -83.0
fwAVG=1.95
sdW=46.0
fwW=2.04
sdS=471.8
fwS=2.04
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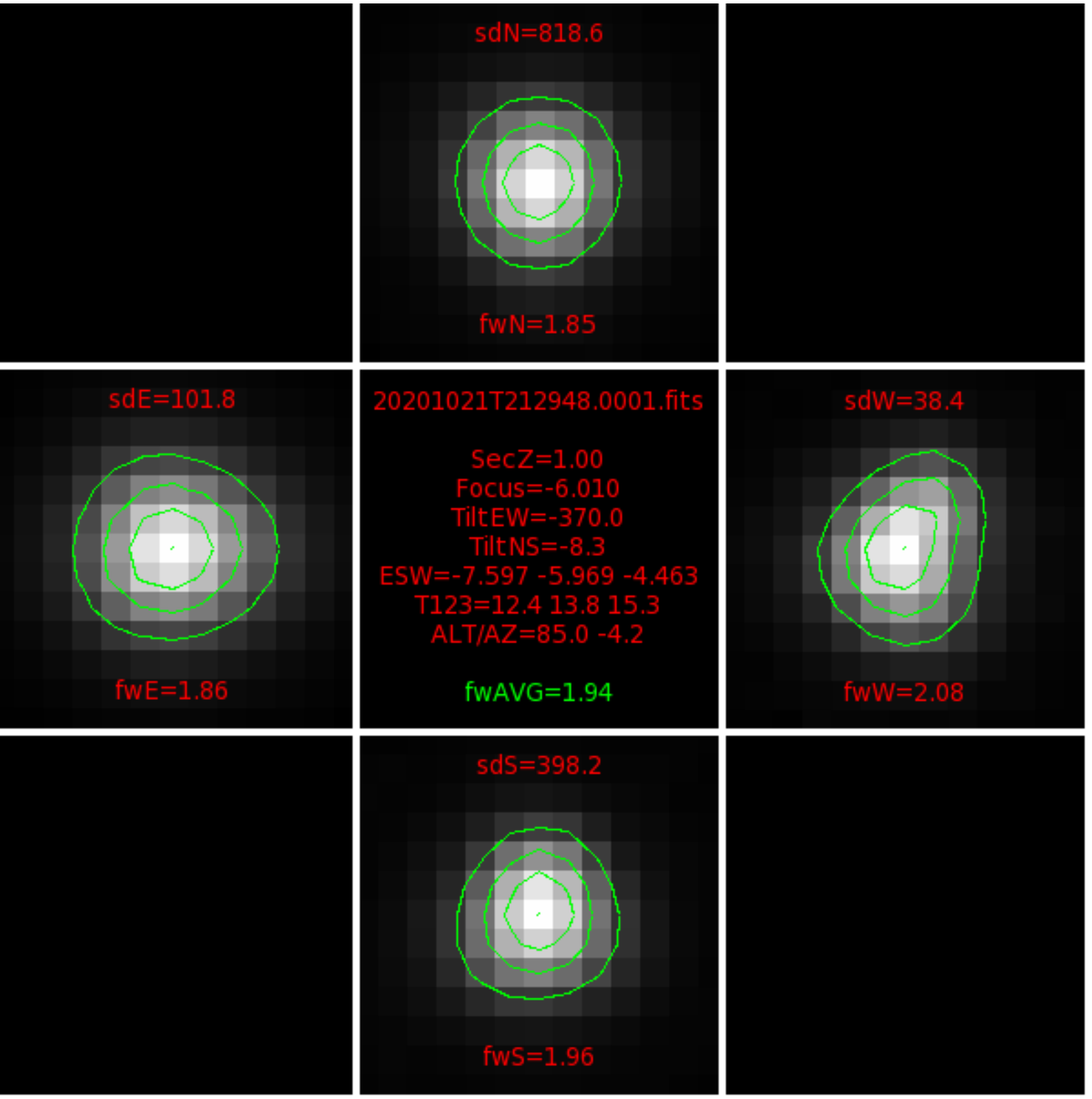
sdN=818.6
fwN=1.85
sdE=101.8
fwE=1.86
20201021T212948.0001.fits
SecZ=1.00
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.4 13.8 15.3
ALT/AZ=85.0 -4.2
fwAVG=1.94
sdW=38.4
fwW=2.08
sdS=398.2
fwS=1.96
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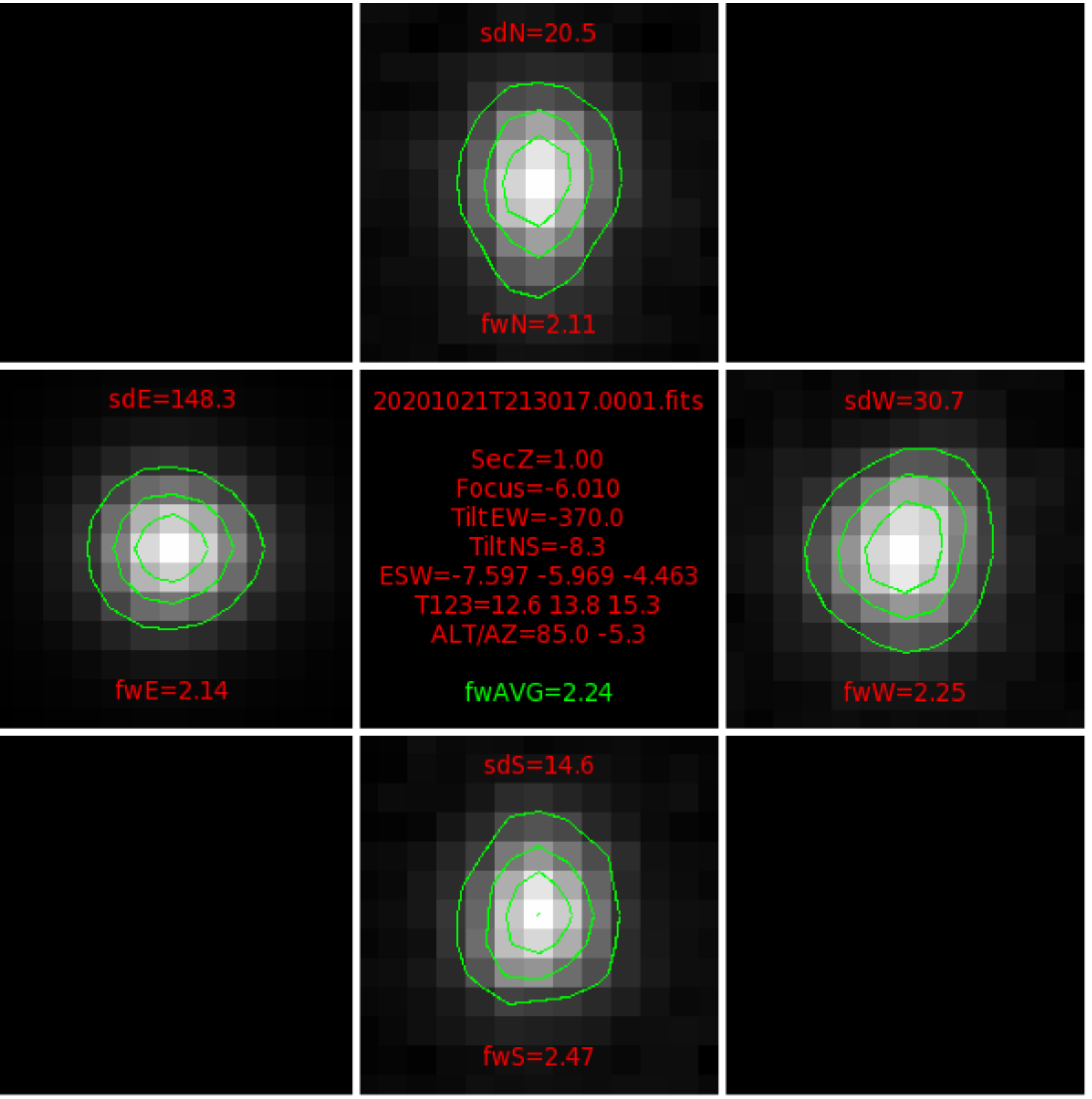
sdN=20.5
fwN=2.11
sdE=148.3
fwE=2.14
20201021T213017.0001.fits
SecZ=1.00
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.6 13.8 15.3
ALT/AZ=85.0 -5.3
fwAVG=2.24
sdW=30.7
fwW=2.25
sdS=14.6
fwS=2.47
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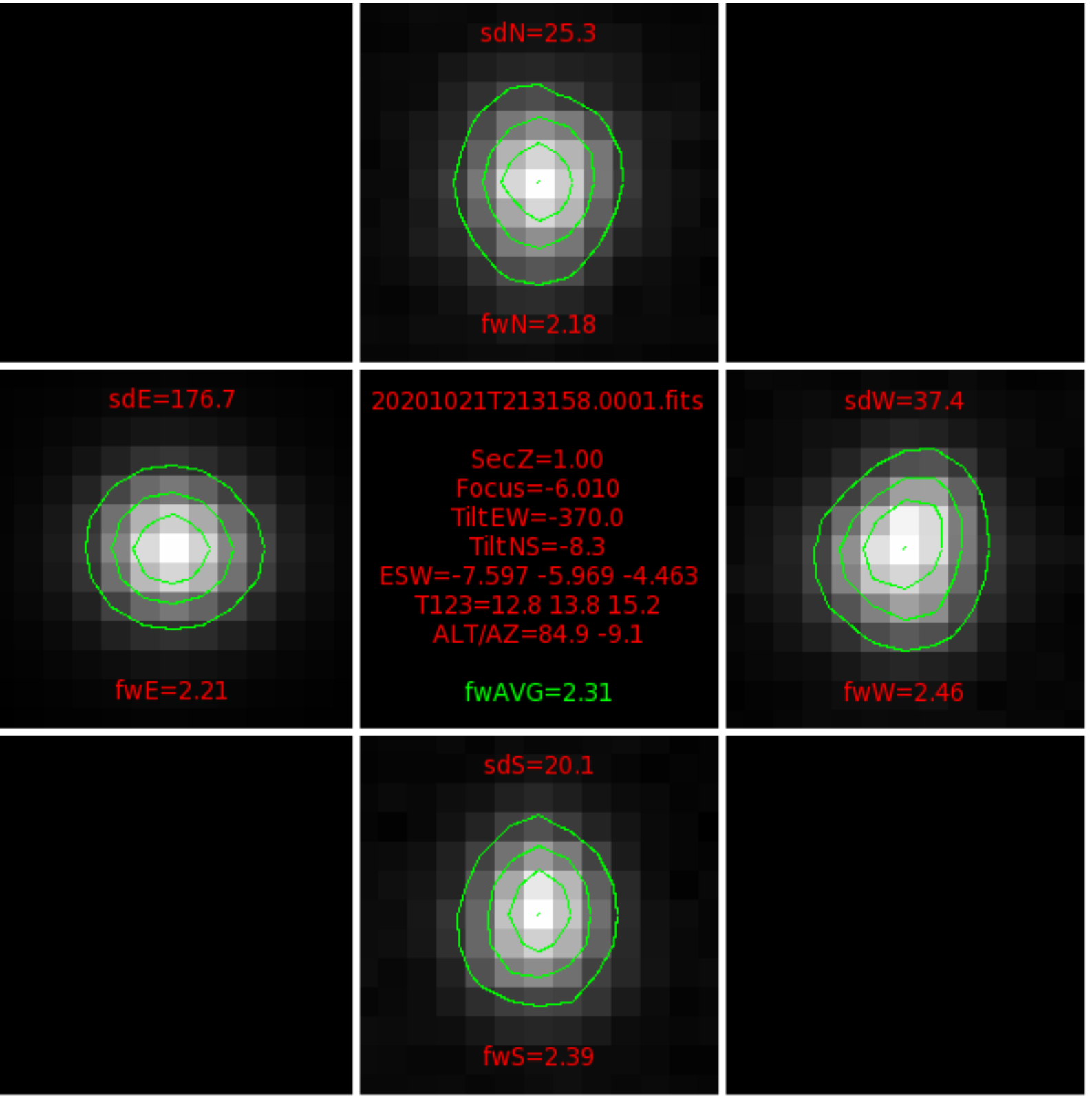
sdN=25.3
fwN=2.18
sdE=176.7
fwE=2.21
20201021T213158.0001.fits
SecZ=1.00
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.8 13.8 15.2
ALT/AZ=84.9 -9.1
fwAVG=2.31
sdW=37.4
fwW=2.46
sdS=20.1
fwS=2.39
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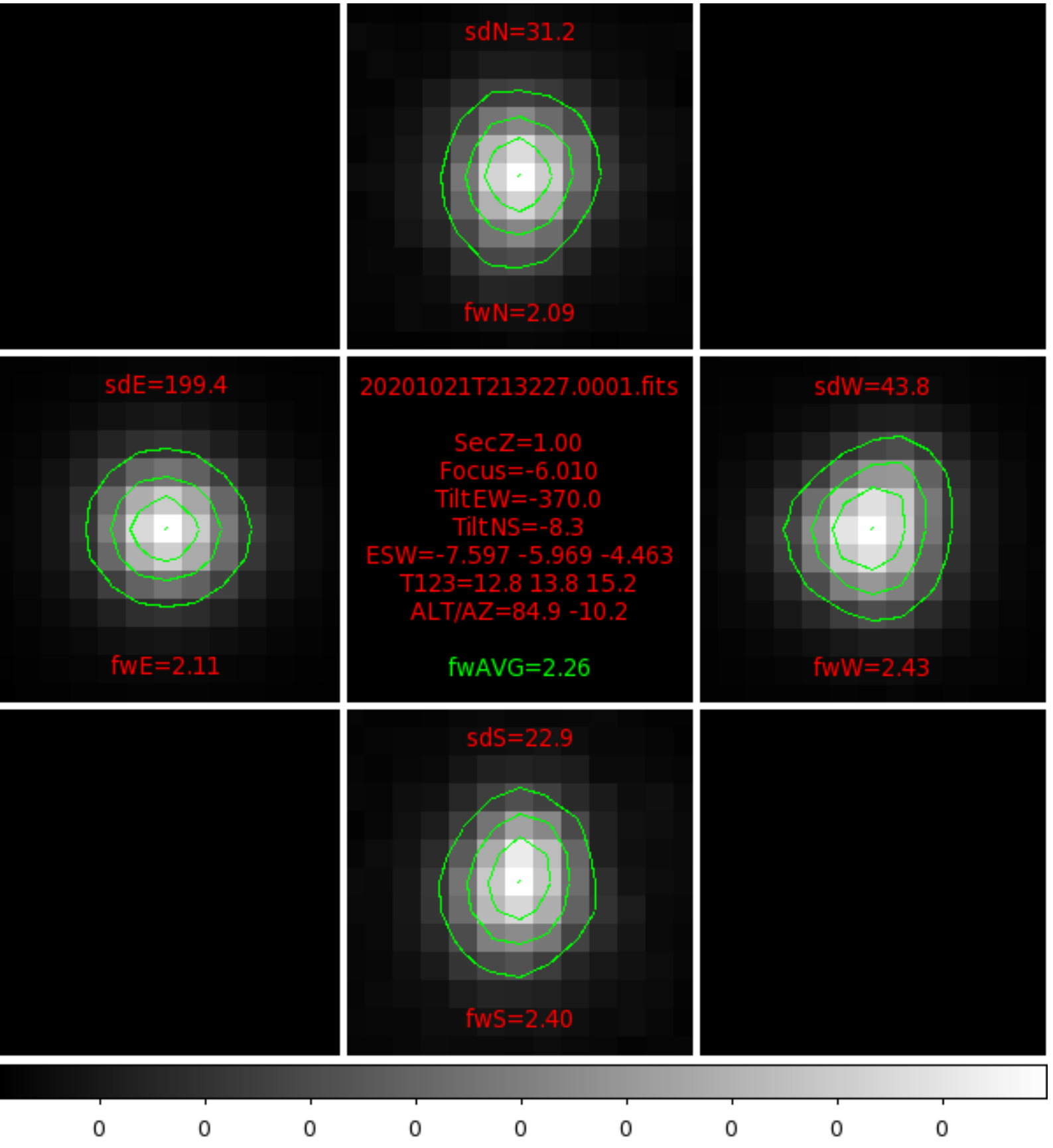
sdN=31.2
fwN=2.09
sdE=199.4
fwE=2.11
20201021T213227.0001.fits
SecZ=1.00
Focus=-6.010
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.597 -5.969 -4.463
T123=12.8 13.8 15.2
ALT/AZ=84.9 -10.2
fwAVG=2.26
sdW=43.8
fwW=2.43
sdS=22.9
fwS=2.40
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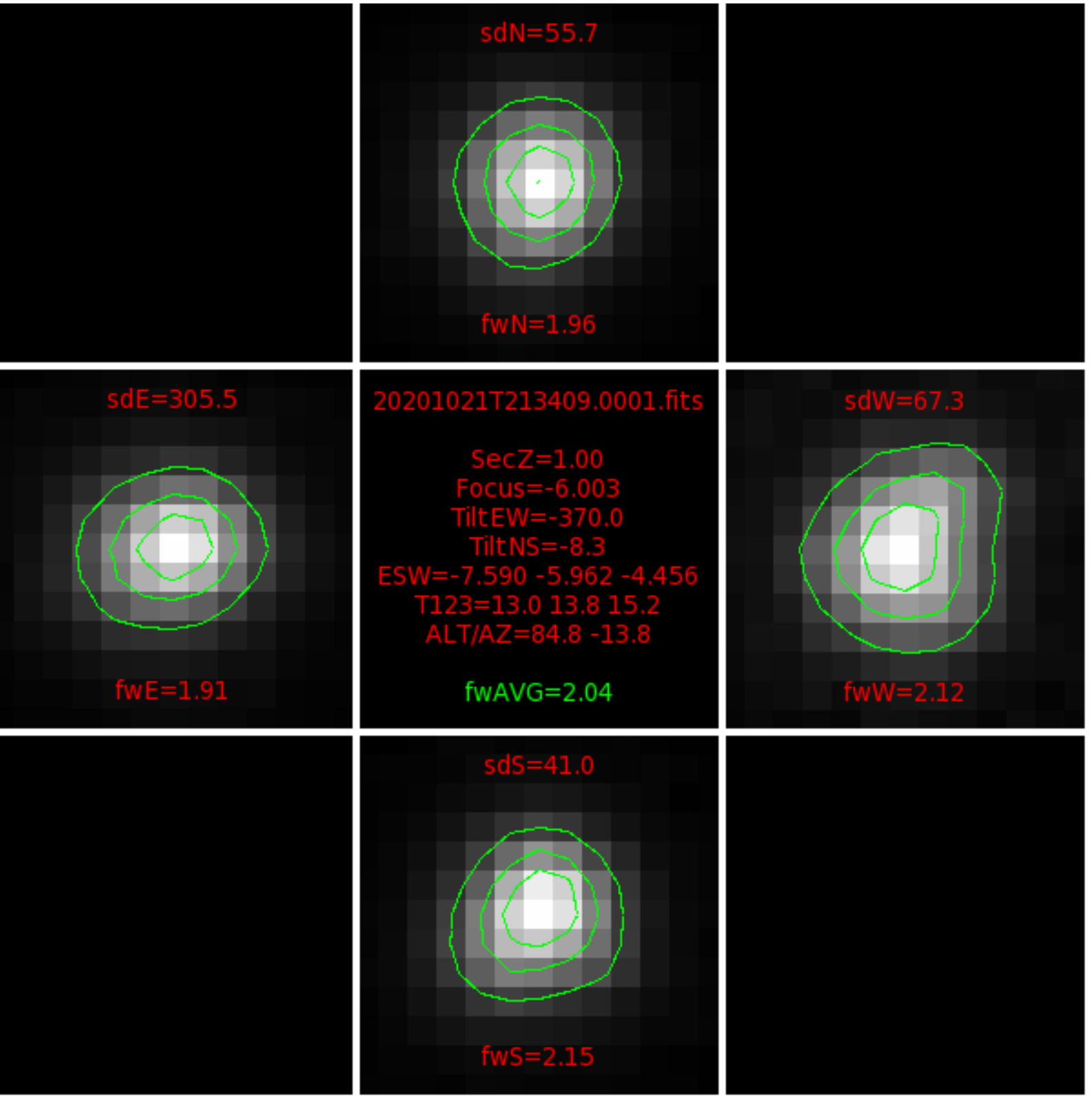
sdN=55.7
fwN=1.96
sdE=305.5
fwE=1.91
20201021T213409.0001.fits
SecZ=1.00
Focus=-6.003
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.590 -5.962 -4.456
T123=13.0 13.8 15.2
ALT/AZ=84.8 -13.8
fwAVG=2.04
sdW=67.3
fwW=2.12
sdS=41.0
fwS=2.15
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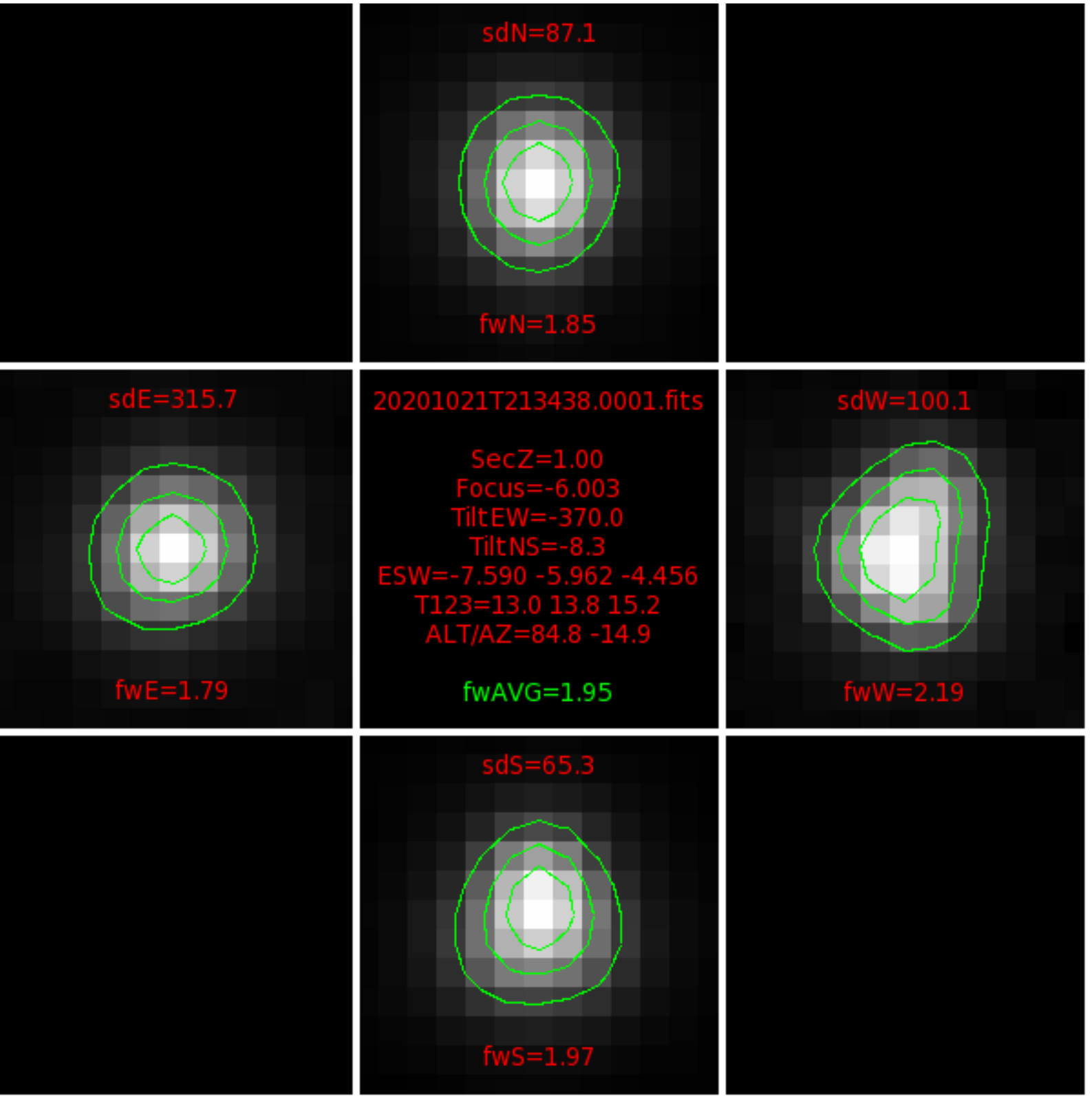
sdN=87.1
fwN=1.85
sdE=315.7
fwE=1.79
20201021T213438.0001.fits
SecZ=1.00
Focus=-6.003
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.590 -5.962 -4.456
T123=13.0 13.8 15.2
ALT/AZ=84.8 -14.9
fwAVG=1.95
sdW=100.1
fwW=2.19
sdS=65.3
fwS=1.97
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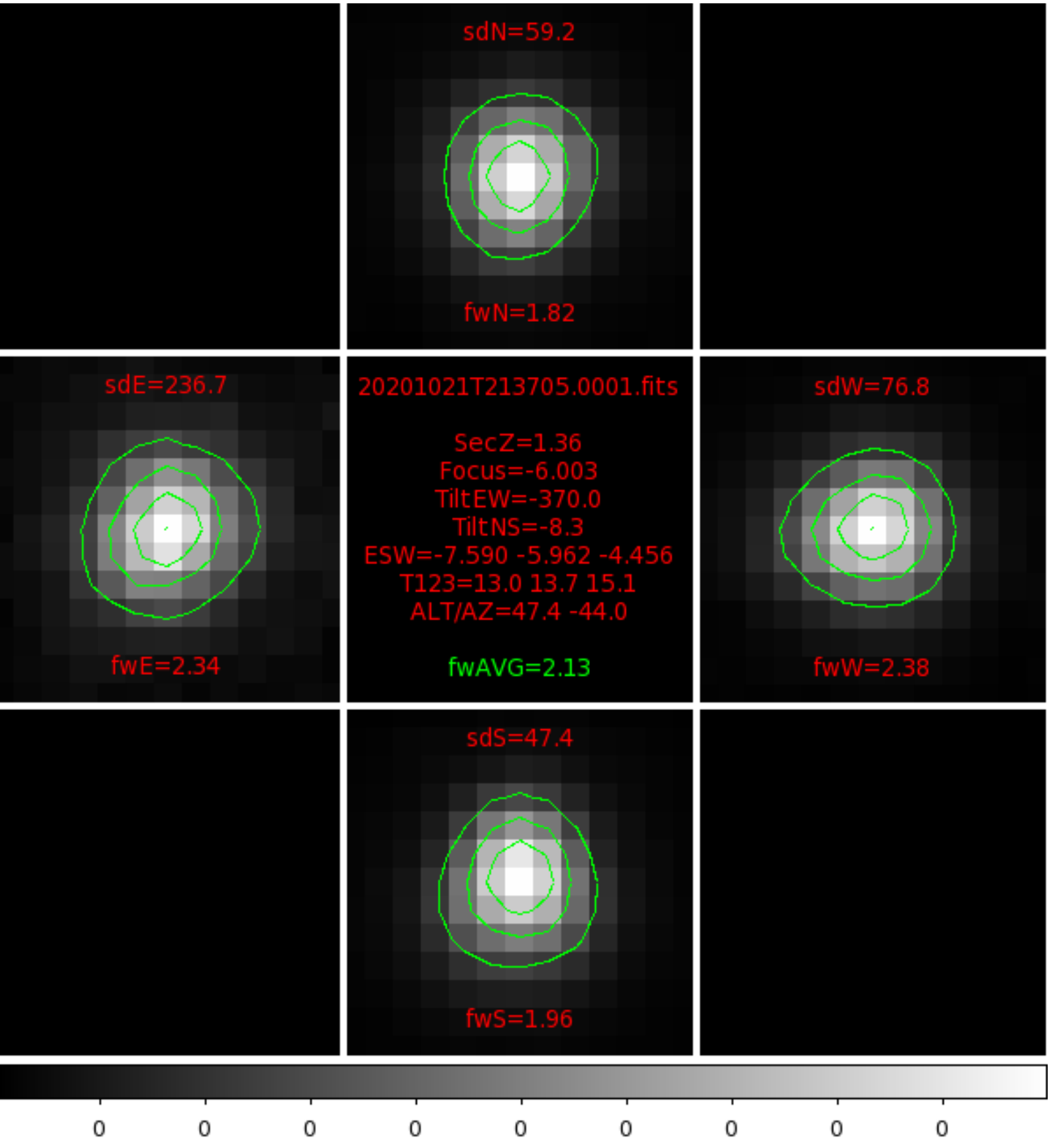
sdN=59.2
fwN=1.82
sdE=236.7
fwE=2.34
20201021T213705.0001.fits
SecZ=1.36
Focus=-6.003
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.590 -5.962 -4.456
T123=13.0 13.7 15.1
ALT/AZ=47.4 -44.0
fwAVG=2.13
sdW=76.8
fwW=2.38
sdS=47.4
fwS=1.96
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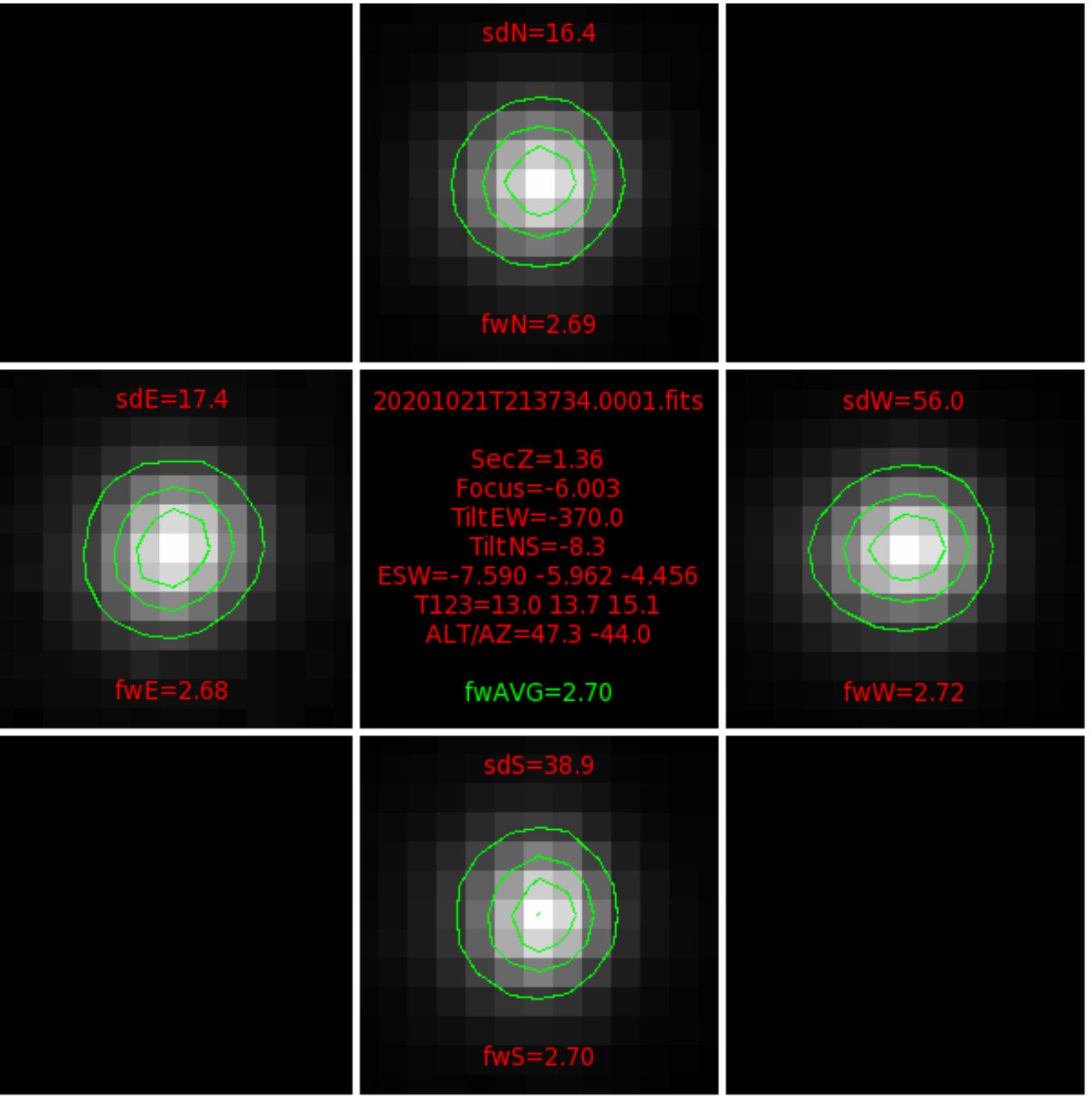
sdN=16.4
fwN=2.69
sdE=17.4
fwE=2.68
20201021T213734.0001.fits
SecZ=1.36
Focus=-6.003
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.590 -5.962 -4.456
T123=13.0 13.7 15.1
ALT/AZ=47.3 -44.0
fwAVG=2.70
sdW=56.0
fwW=2.72
sdS=38.9
fwS=2.70
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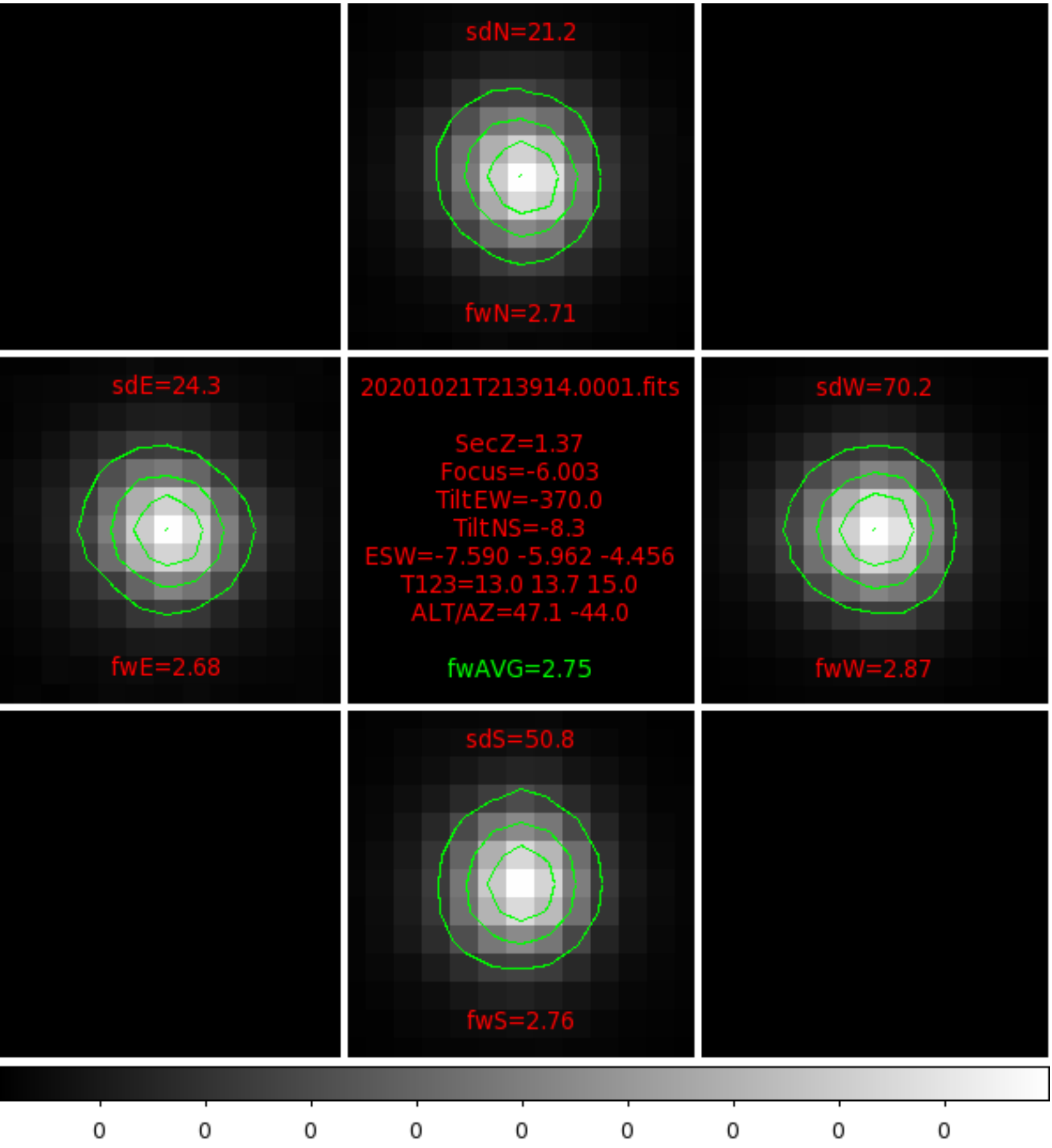
sdN=21.2
fwN=2.71
sdE=24.3
fwE=2.68
20201021T213914.0001.fits
SecZ=1.37
Focus=-6.003
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.590 -5.962 -4.456
T123=13.0 13.7 15.0
ALT/AZ=47.1 -44.0
fwAVG=2.75
sdW=70.2
fwW=2.87
sdS=50.8
fwS=2.76
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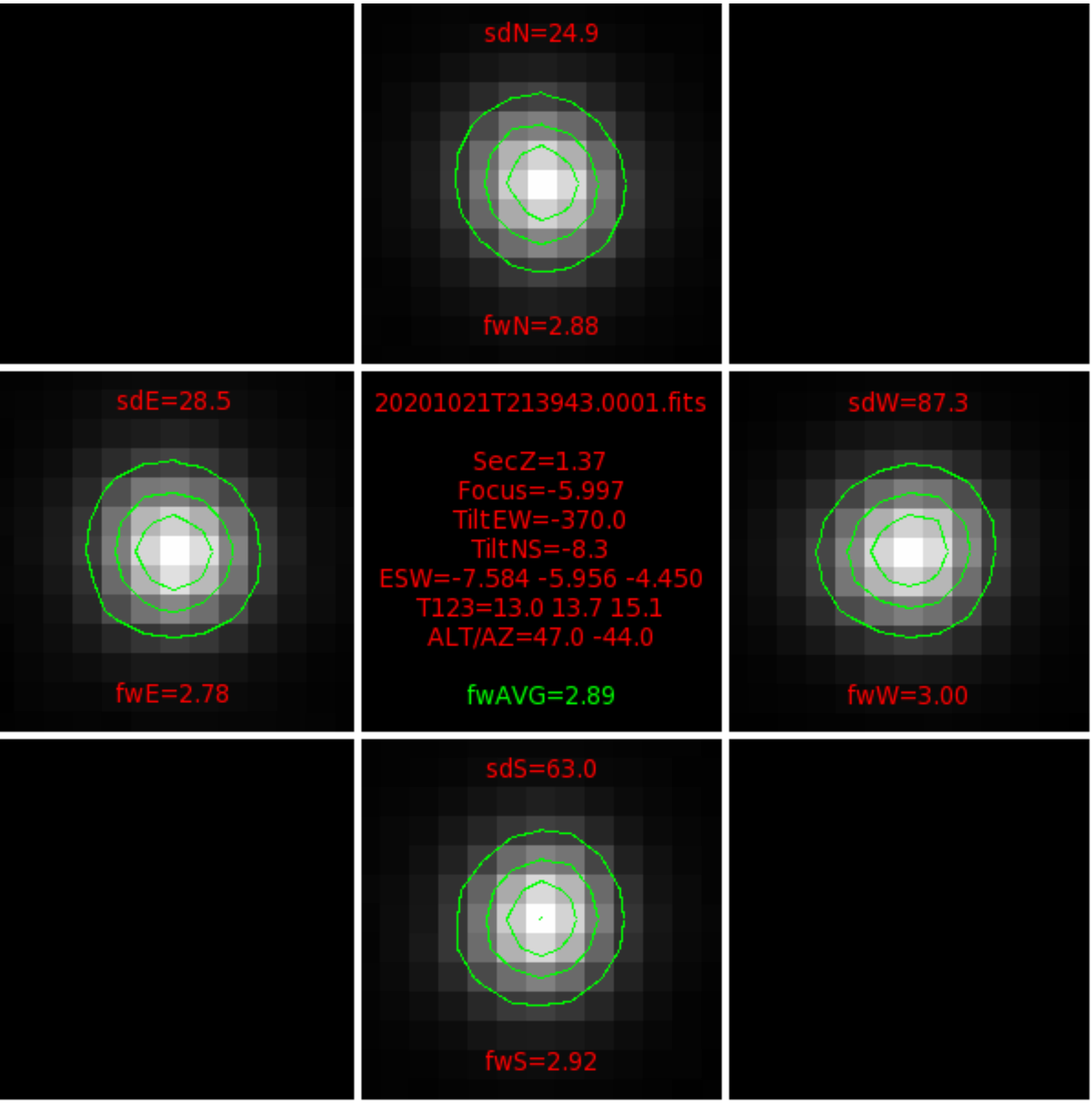
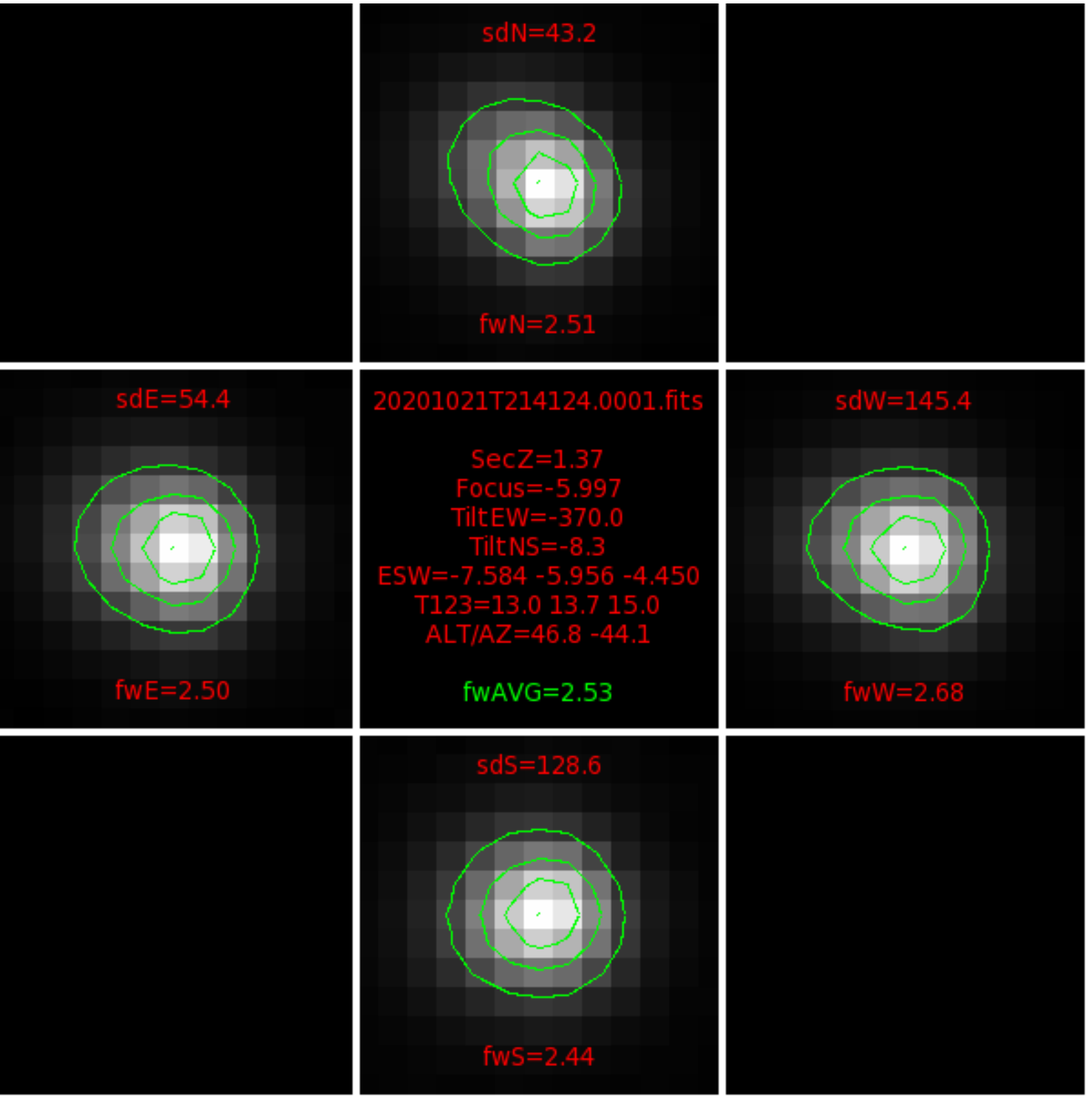
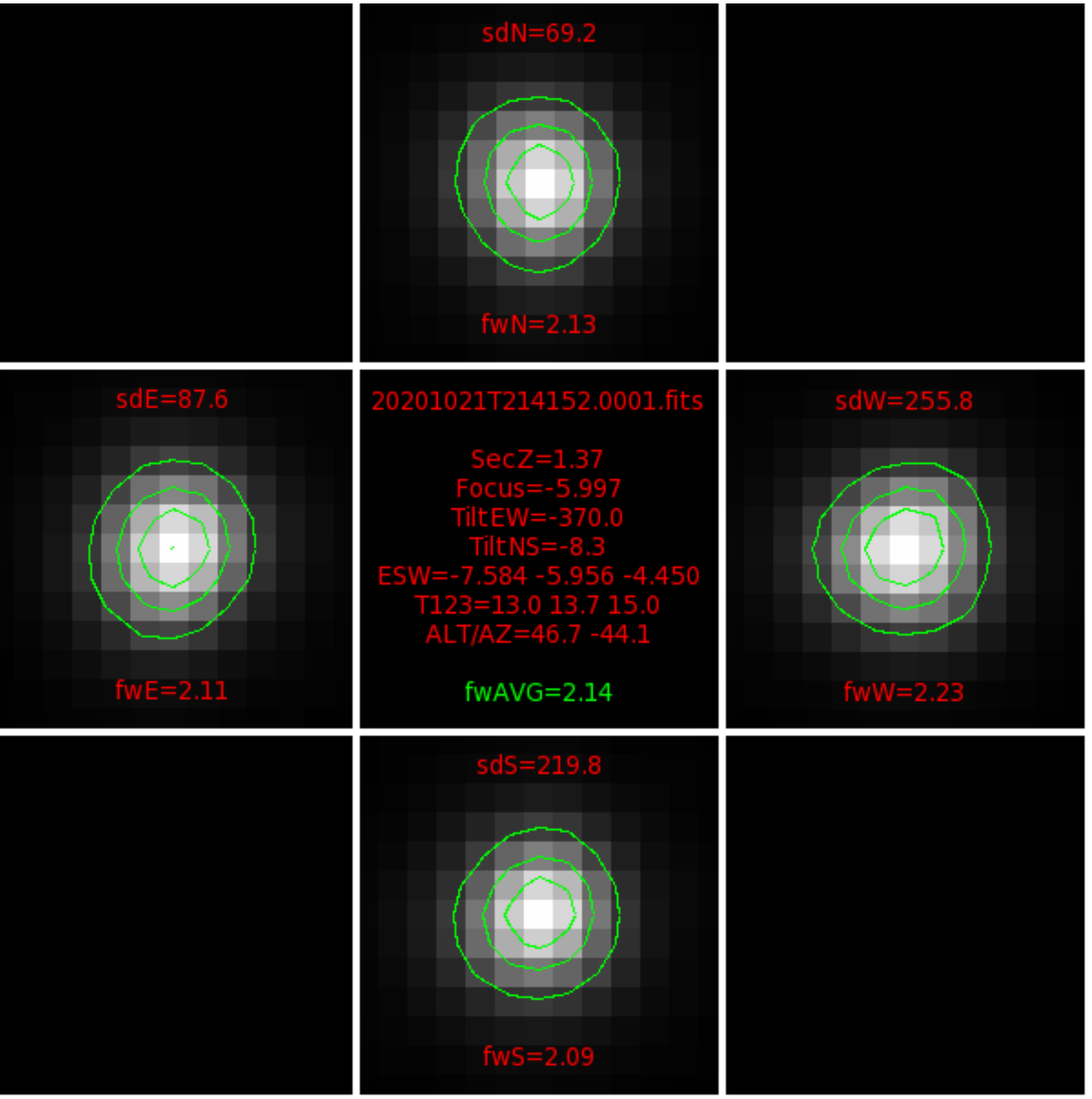
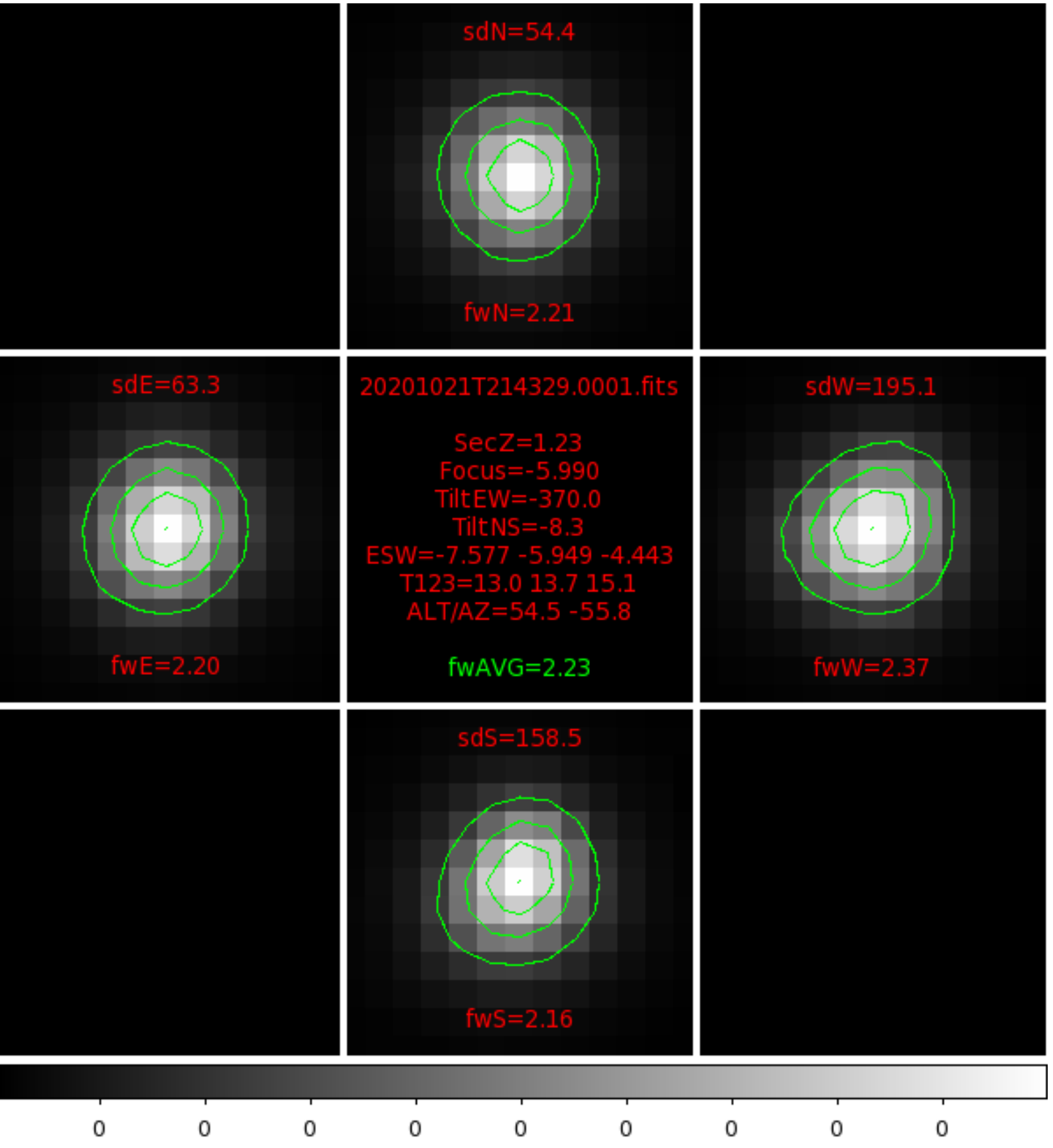
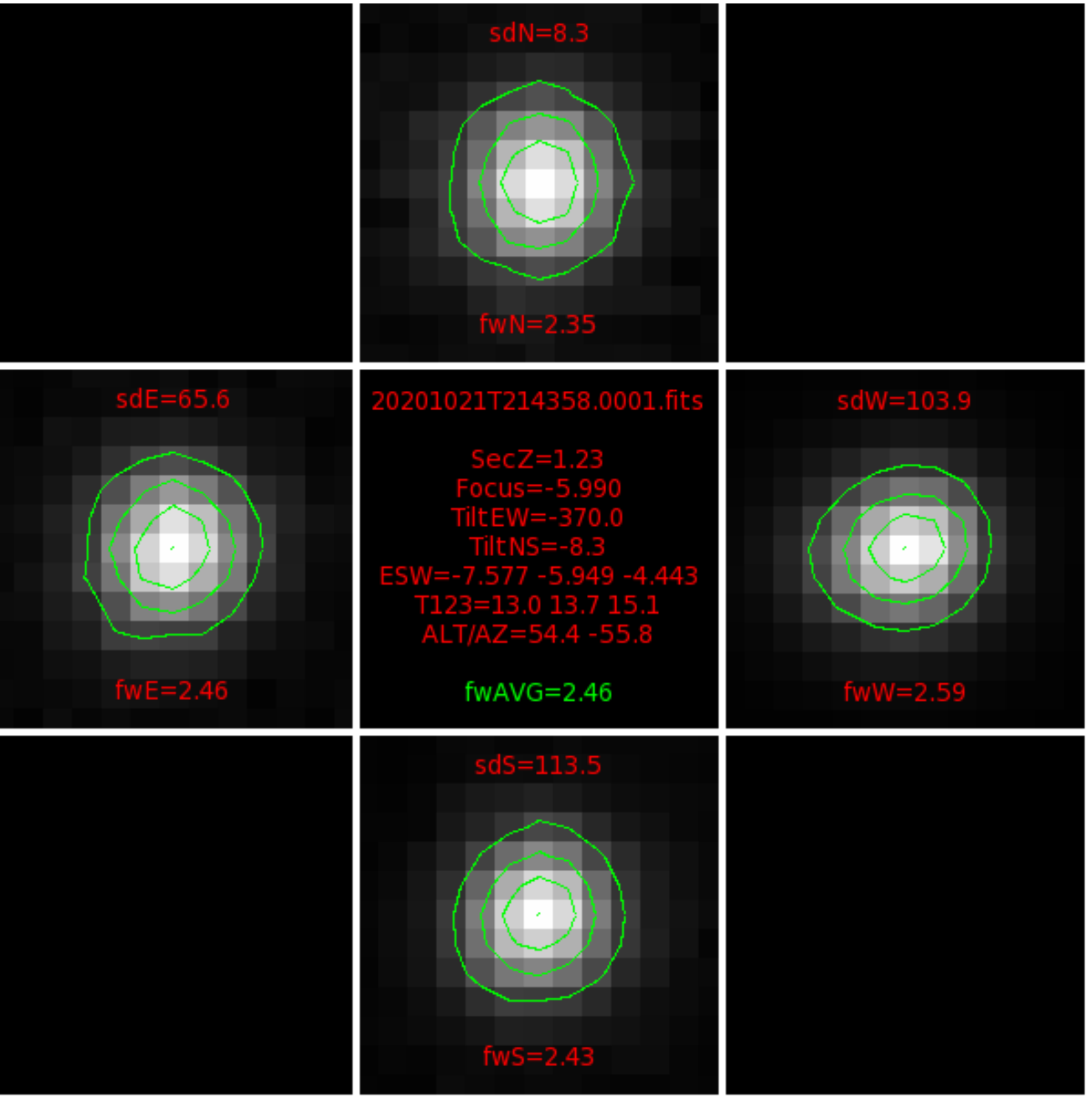
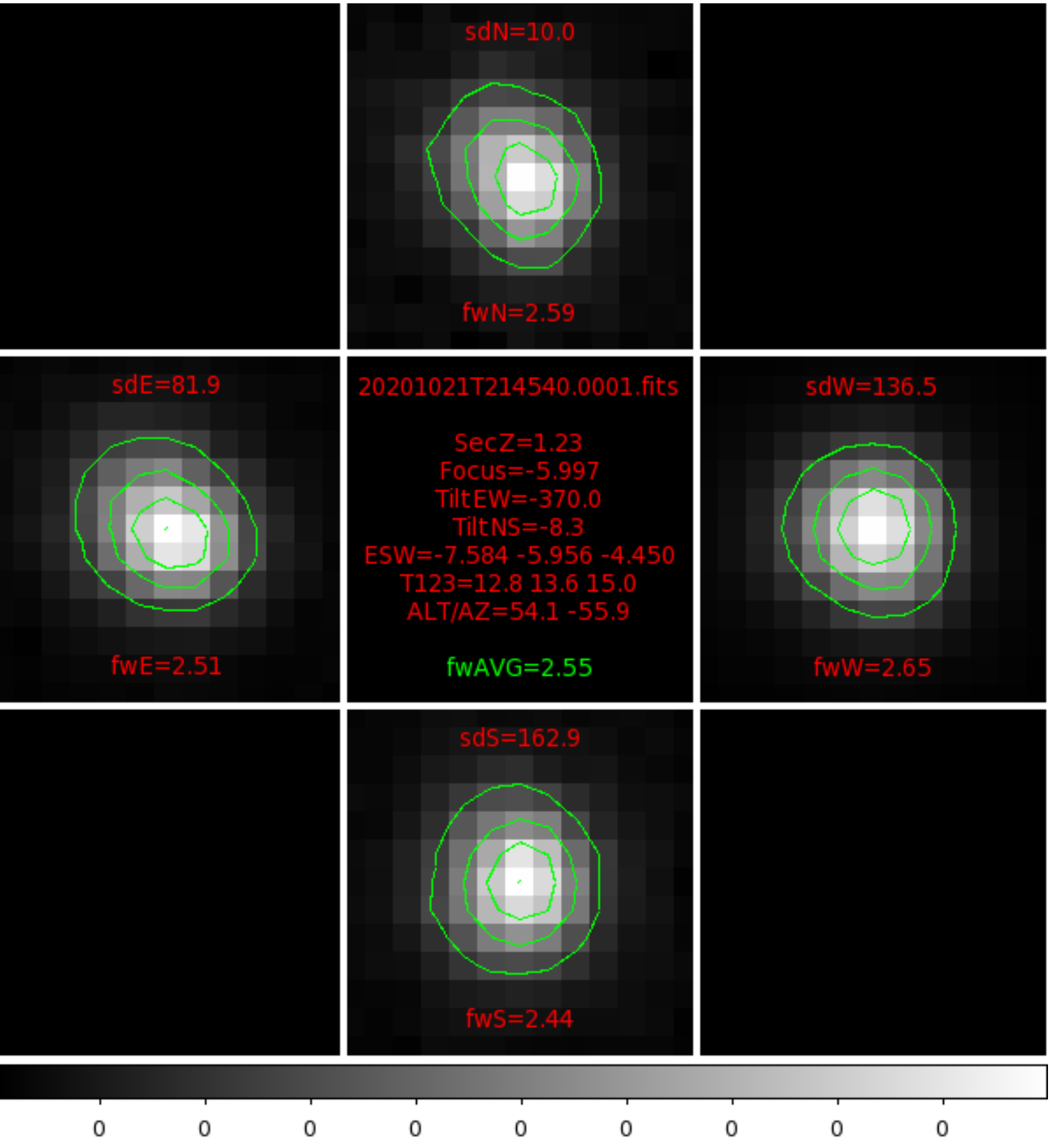

sdN=24.9
fwN=2.88
sdE=28.5
fwE=2.78
20201021T213943.0001.fits
SecZ=1.37
Focus=-5.997
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.584 -5.956 -4.450
T123=13.0 13.7 15.1
ALT/AZ=47.0 -44.0
fwAVG=2.89
sdW=87.3
fwW=3.00
sdS=63.0
fwS=2.92
0 0 0 0 0 0 0 0 0


sdN=43.2
fwN=2.51
sdE=54.4
fwE=2.50
20201021T214124.0001.fits
SecZ=1.37
Focus=-5.997
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.584 -5.956 -4.450
T123=13.0 13.7 15.0
ALT/AZ=46.8 -44.1
fwAVG=2.53
sdW=145.4
fwW=2.68
sdS=128.6
fwS=2.44
0 0 0 0 0 0 0 0 0


sdN=69.2
fwN=2.13
sdE=87.6
fwE=2.11
20201021T214152.0001.fits
SecZ=1.37
Focus=-5.997
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.584 -5.956 -4.450
T123=13.0 13.7 15.0
ALT/AZ=46.7 -44.1
fwAVG=2.14
sdW=255.8
fwW=2.23
sdS=219.8
fwS=2.09
0 0 0 0 0 0 0 0 0


sdN=54.4
fwN=2.21
sdE=63.3
fwE=2.20
20201021T214329.0001.fits
SecZ=1.23
Focus=-5.990
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.577 -5.949 -4.443
T123=13.0 13.7 15.1
ALT/AZ=54.5 -55.8
fwAVG=2.23
sdW=195.1
fwW=2.37
sdS=158.5
fwS=2.16
0 0 0 0 0 0 0 0 0


sdN=8.3
fwN=2.35
sdE=65.6
fwE=2.46
20201021T214358.0001.fits
SecZ=1.23
Focus=-5.990
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.577 -5.949 -4.443
T123=13.0 13.7 15.1
ALT/AZ=54.4 -55.8
fwAVG=2.46
sdW=103.9
fwW=2.59
sdS=113.5
fwS=2.43
0 0 0 0 0 0 0 0 0


sdN=10.0
fwN=2.59
sdE=81.9
fwE=2.51
20201021T214540.0001.fits
SecZ=1.23
Focus=-5.997
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.584 -5.956 -4.450
T123=12.8 13.6 15.0
ALT/AZ=54.1 -55.9
fwAVG=2.55
sdW=136.5
fwW=2.65
sdS=162.9
fwS=2.44
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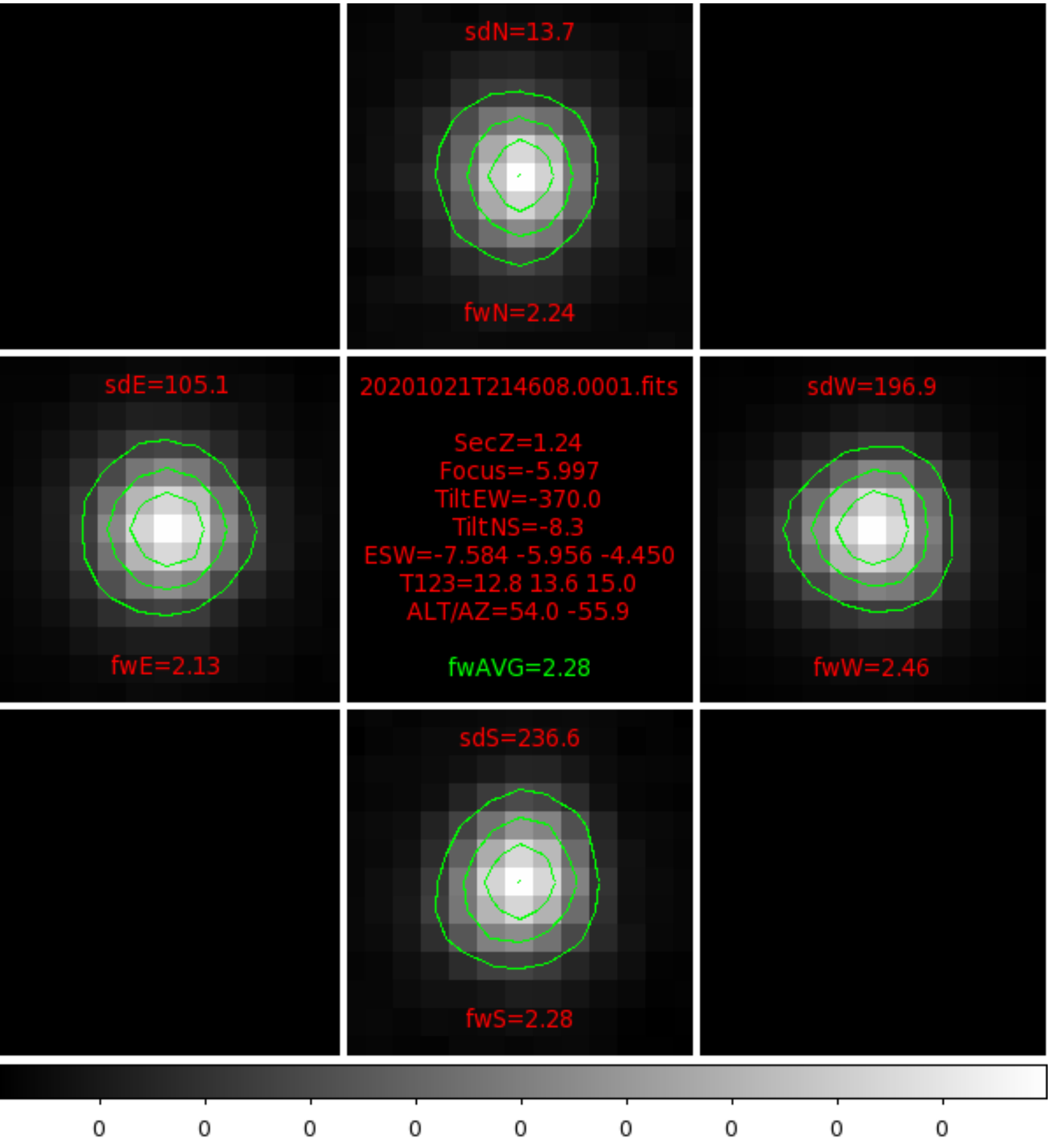
sdN=13.7
fwN=2.24
sdE=105.1
fwE=2.13
20201021T214608.0001.fits
SecZ=1.24
Focus=-5.997
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.584 -5.956 -4.450
T123=12.8 13.6 15.0
ALT/AZ=54.0 -55.9
fwAVG=2.28
sdW=196.9
fwW=2.46
sdS=236.6
fwS=2.28
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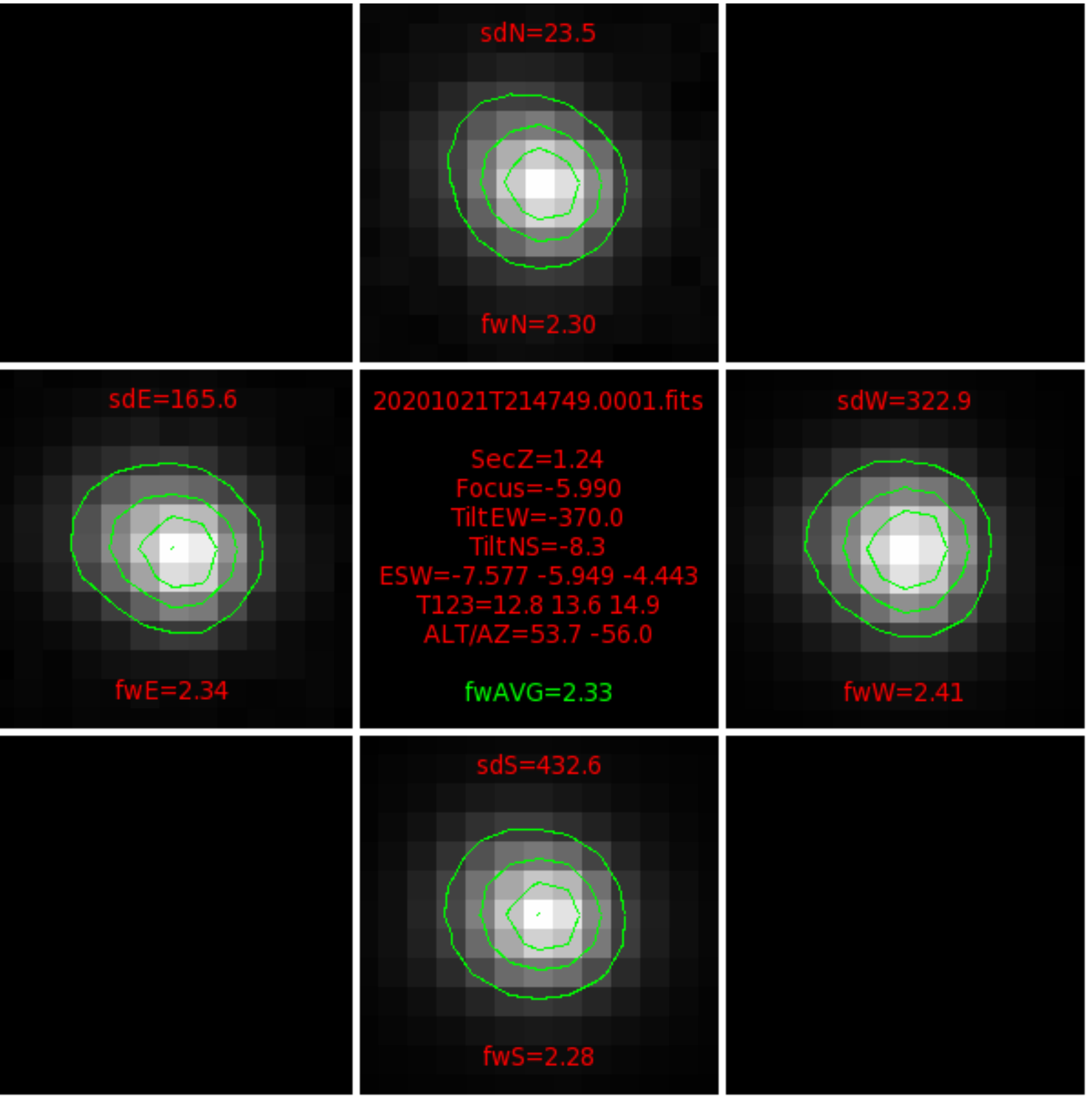
sdN=23.5
fwN=2.30
sdE=165.6
fwE=2.34
20201021T214749.0001.fits
SecZ=1.24
Focus=-5.990
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.577 -5.949 -4.443
T123=12.8 13.6 14.9
ALT/AZ=53.7 -56.0
fwAVG=2.33
sdW=322.9
fwW=2.41
sdS=432.6
fwS=2.28
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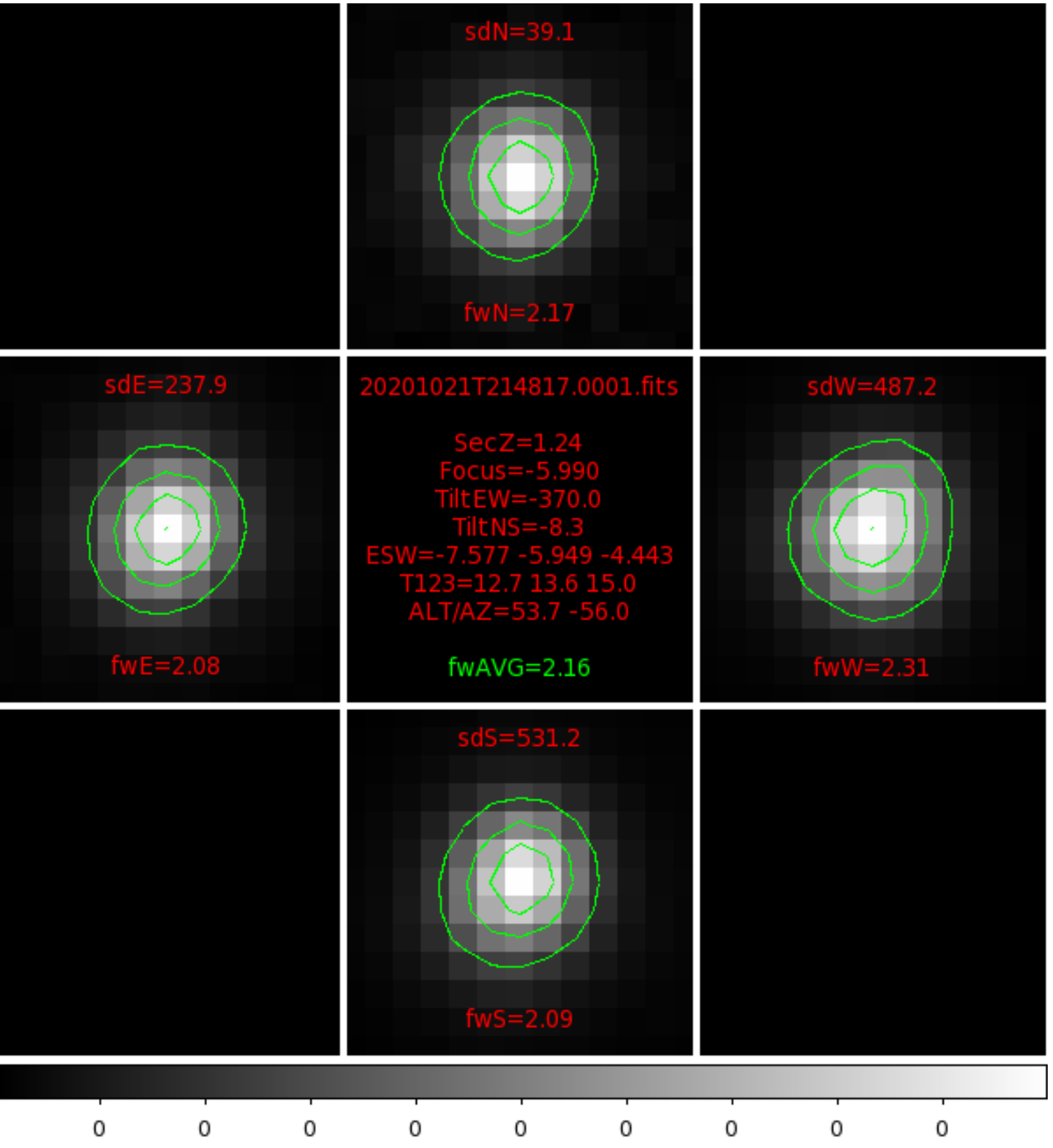
sdN=39.1
fwN=2.17
sdE=237.9
fwE=2.08
20201021T214817.0001.fits
SecZ=1.24
Focus=-5.990
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.577 -5.949 -4.443
T123=12.7 13.6 15.0
ALT/AZ=53.7 -56.0
fwAVG=2.16
sdW=487.2
fwW=2.31
sdS=531.2
fwS=2.09
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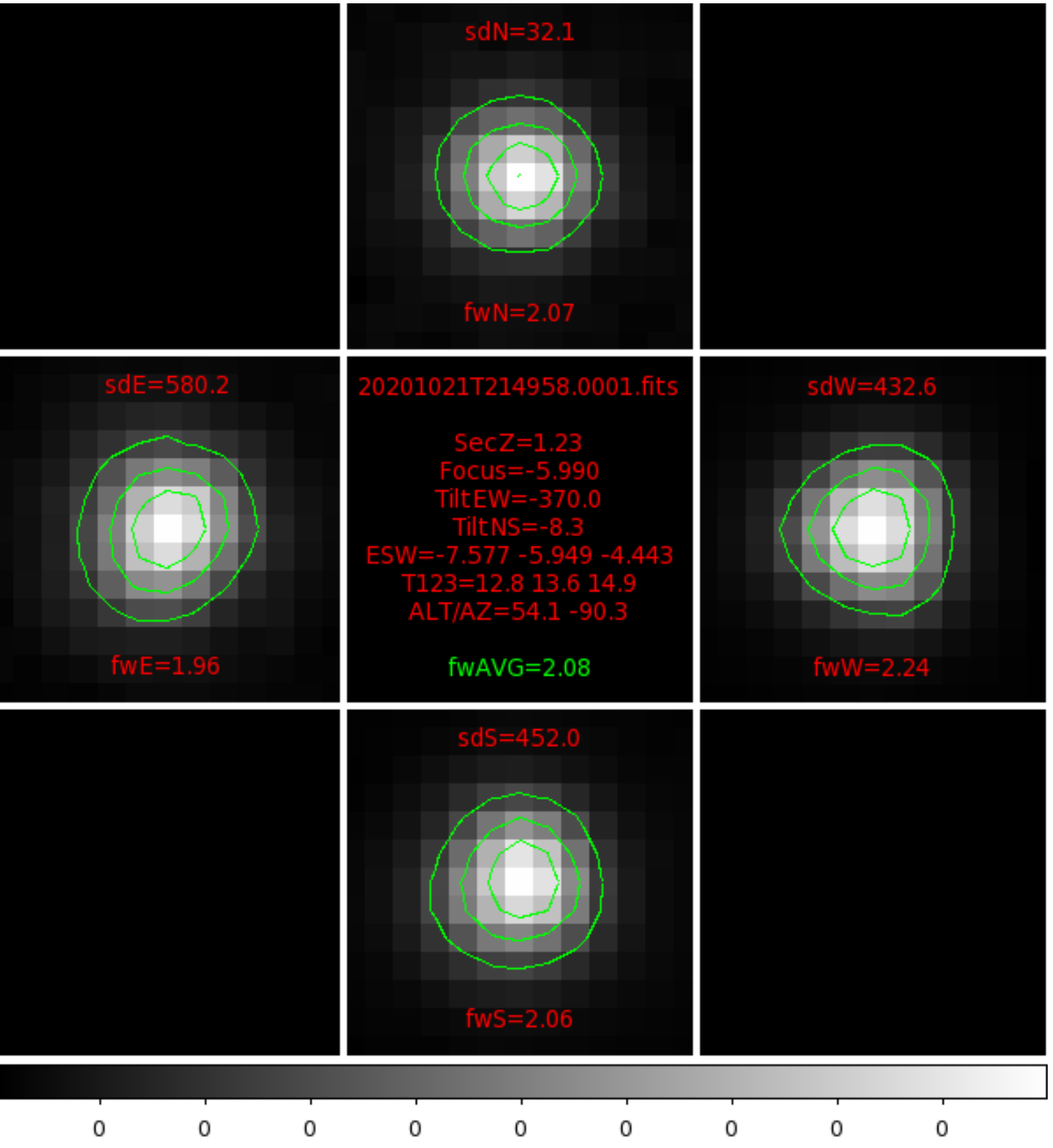
sdN=32.1
fwN=2.07
sdE=580.2
fwE=1.96
20201021T214958.0001.fits
SecZ=1.23
Focus=-5.990
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.577 -5.949 -4.443
T123=12.8 13.6 14.9
ALT/AZ=54.1 -90.3
fwAVG=2.08
sdW=432.6
fwW=2.24
sdS=452.0
fwS=2.06
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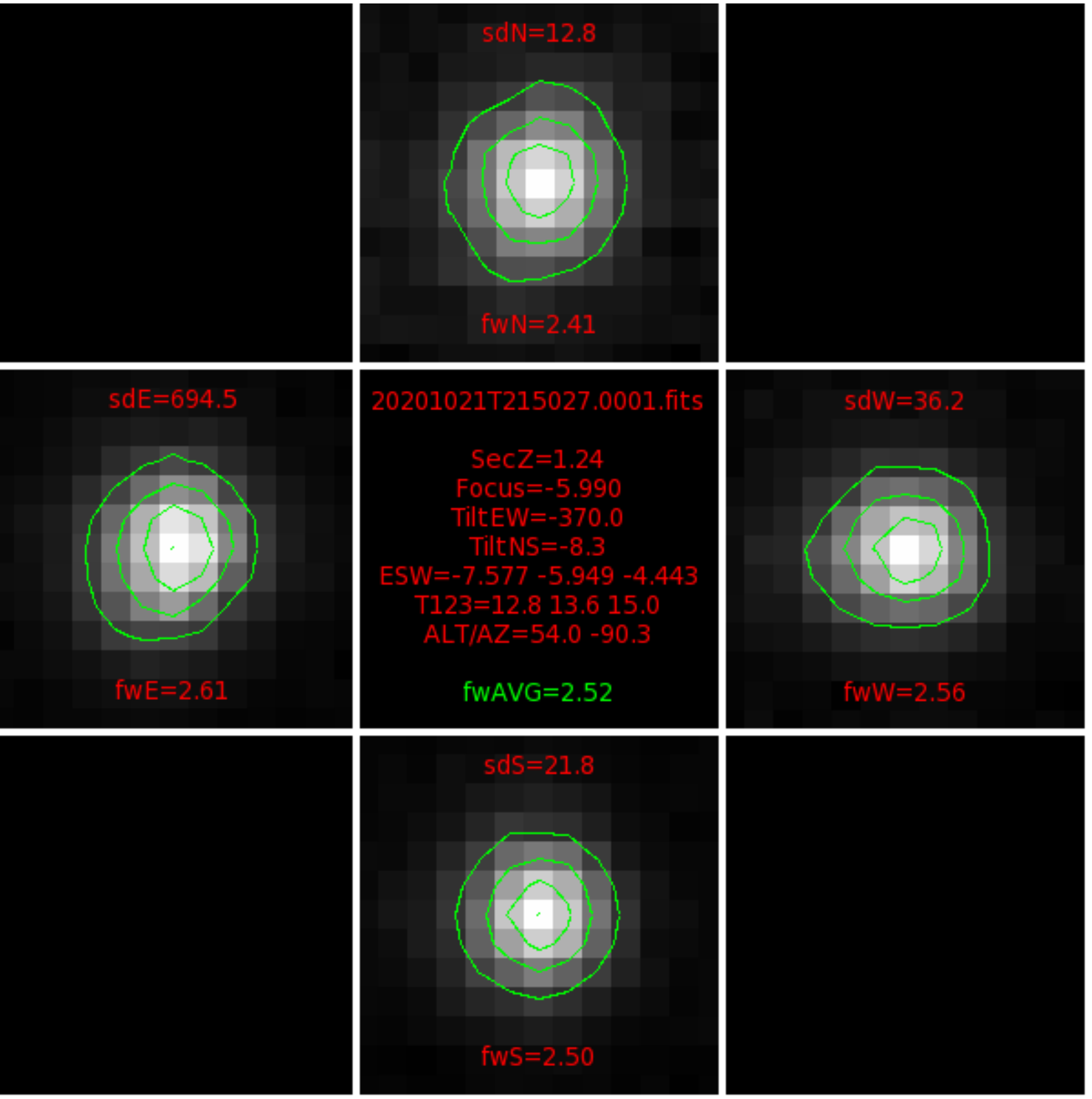
sdN=12.8
fwN=2.41
sdE=694.5
fwE=2.61
20201021T215027.0001.fits
SecZ=1.24
Focus=-5.990
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.577 -5.949 -4.443
T123=12.8 13.6 15.0
ALT/AZ=54.0 -90.3
fwAVG=2.52
sdW=36.2
fwW=2.56
sdS=21.8
fwS=2.50
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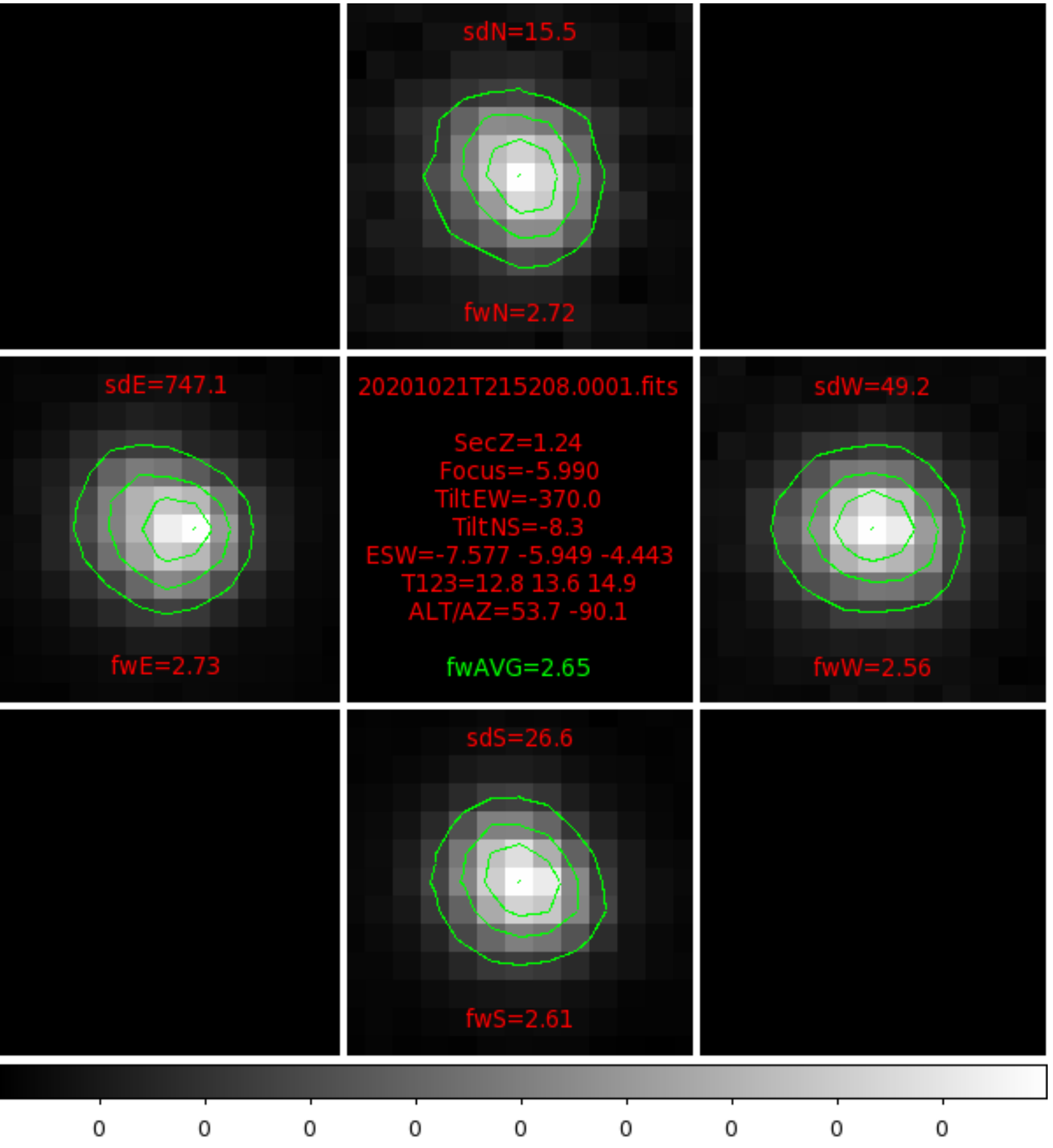
sdN=15.5
fwN=2.72
sdE=747.1
fwE=2.73
20201021T215208.0001.fits
SecZ=1.24
Focus=-5.990
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.577 -5.949 -4.443
T123=12.8 13.6 14.9
ALT/AZ=53.7 -90.1
fwAVG=2.65
sdW=49.2
fwW=2.56
sdS=26.6
fwS=2.61
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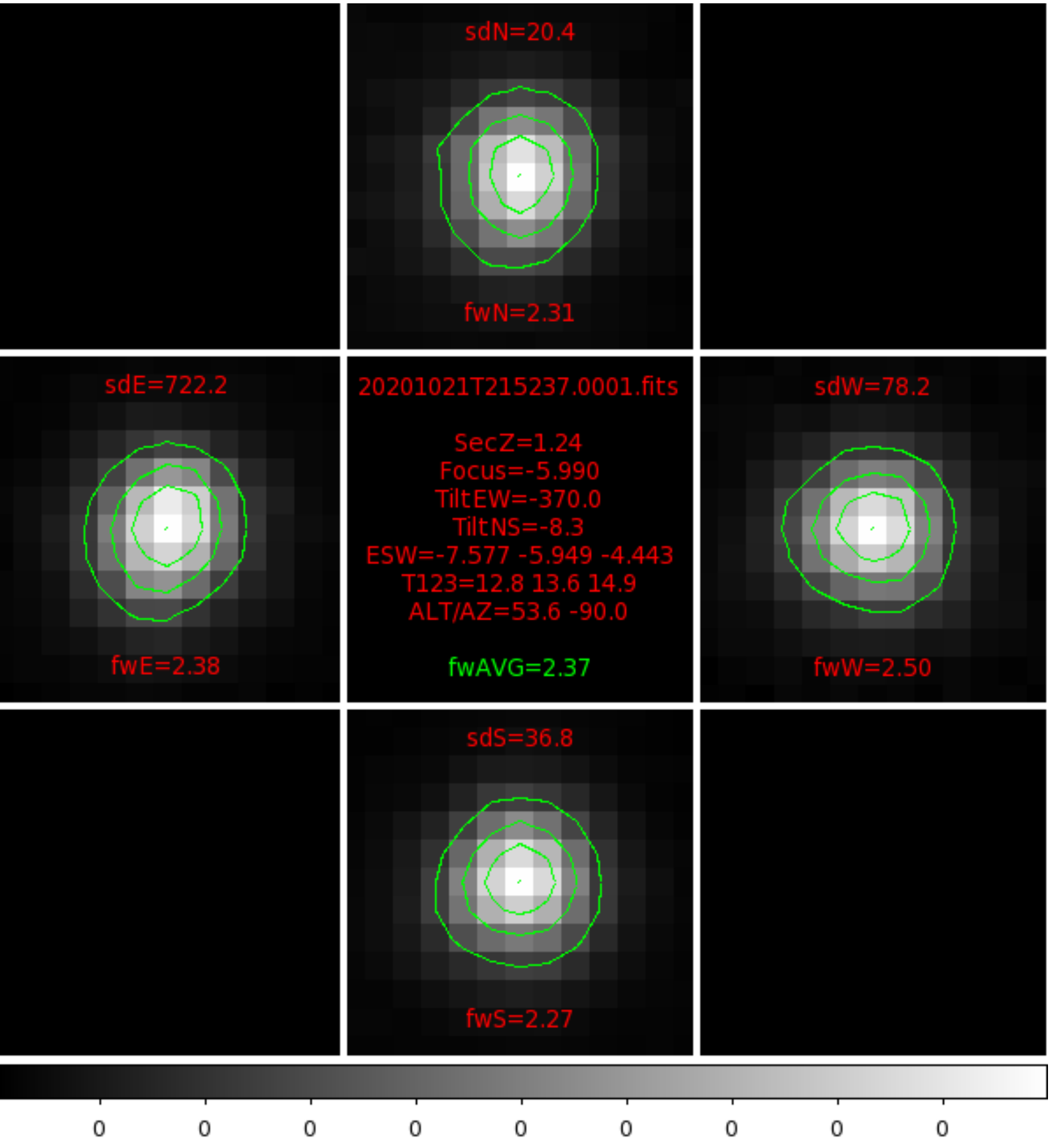
sdN=20.4
fwN=2.31
sdE=722.2
fwE=2.38
20201021T215237.0001.fits
SecZ=1.24
Focus=-5.990
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.577 -5.949 -4.443
T123=12.8 13.6 14.9
ALT/AZ=53.6 -90.0
fwAVG=2.37
sdW=78.2
fwW=2.50
sdS=36.8
fwS=2.27
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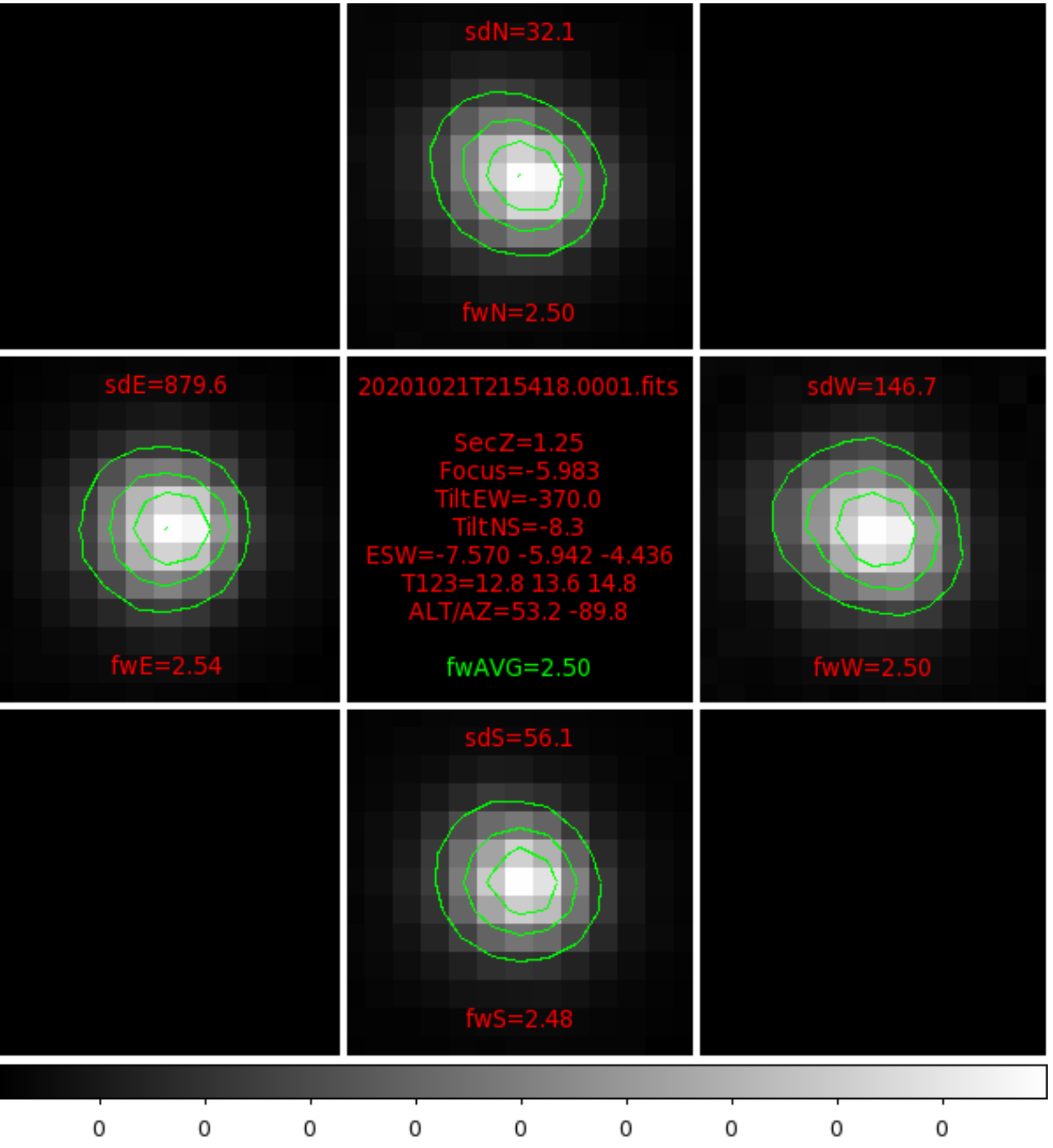
sdN=32.1
fwN=2.50
sdE=879.6
fwE=2.54
20201021T215418.0001.fits
SecZ=1.25
Focus=-5.983
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.570 -5.942 -4.436
T123=12.8 13.6 14.8
ALT/AZ=53.2 -89.8
fwAVG=2.50
sdW=146.7
fwW=2.50
sdS=56.1
fwS=2.48
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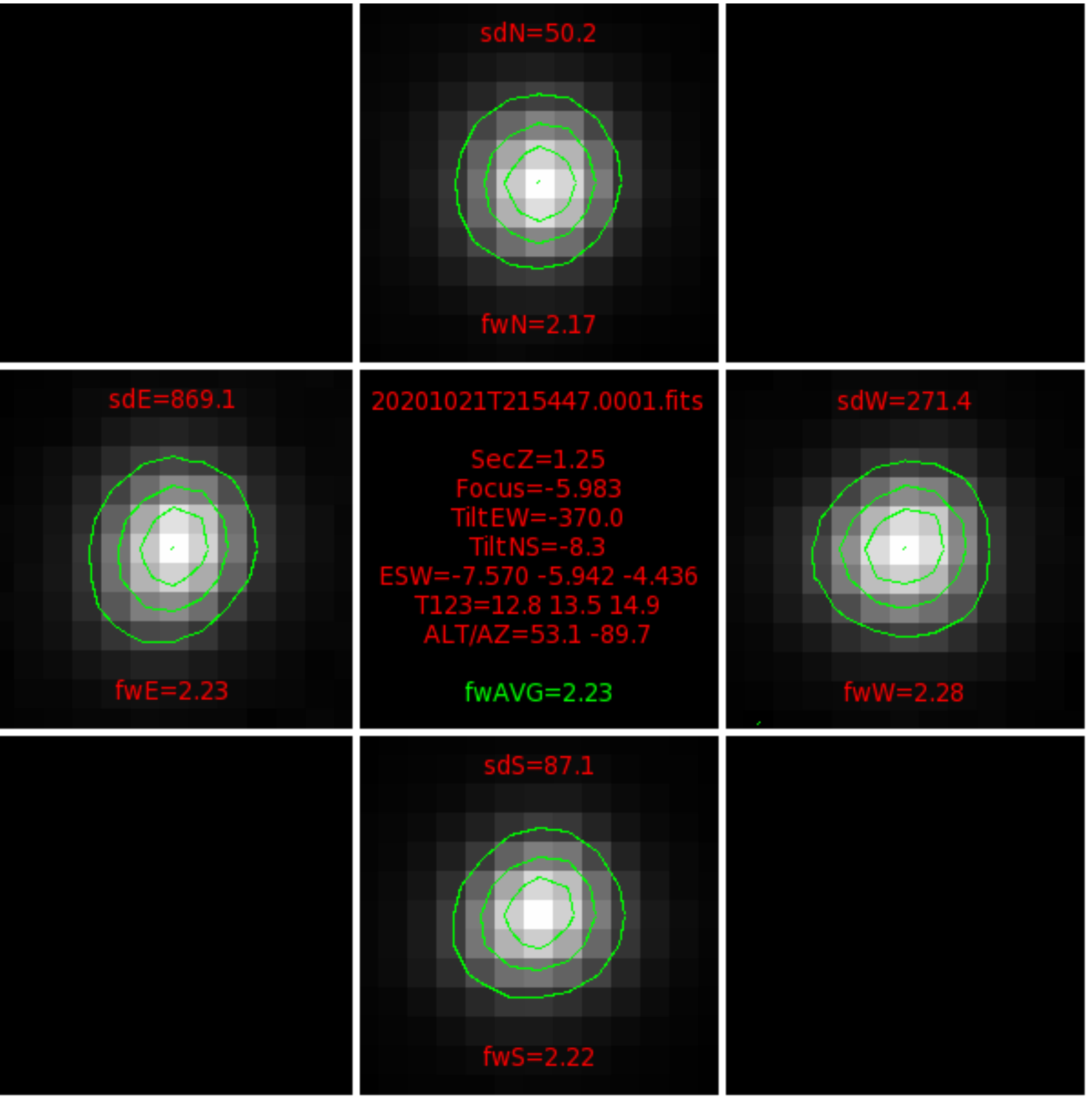
sdN=50.2
fwN=2.17
sdE=869.1
fwE=2.23
20201021T215447.0001.fits
SecZ=1.25
Focus=-5.983
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.570 -5.942 -4.436
T123=12.8 13.5 14.9
ALT/AZ=53.1 -89.7
fwAVG=2.23
sdW=271.4
fwW=2.28
sdS=87.1
fwS=2.22
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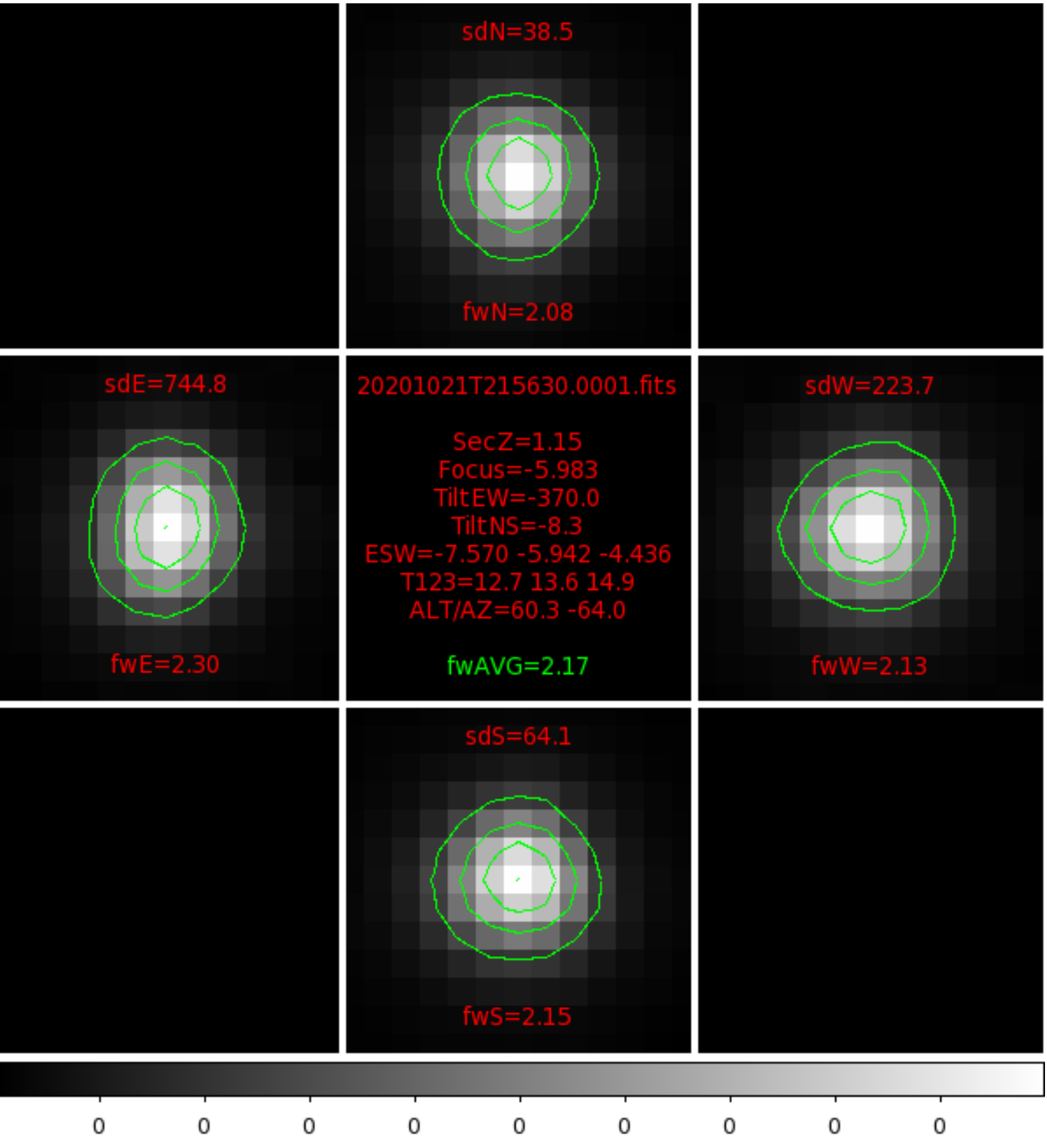
sdN=38.5
fwN=2.08
sdE=744.8
fwE=2.30
20201021T215630.0001.fits
SecZ=1.15
Focus=-5.983
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.570 -5.942 -4.436
T123=12.7 13.6 14.9
ALT/AZ=60.3 -64.0
fwAVG=2.17
sdW=223.7
fwW=2.13
sdS=64.1
fwS=2.15
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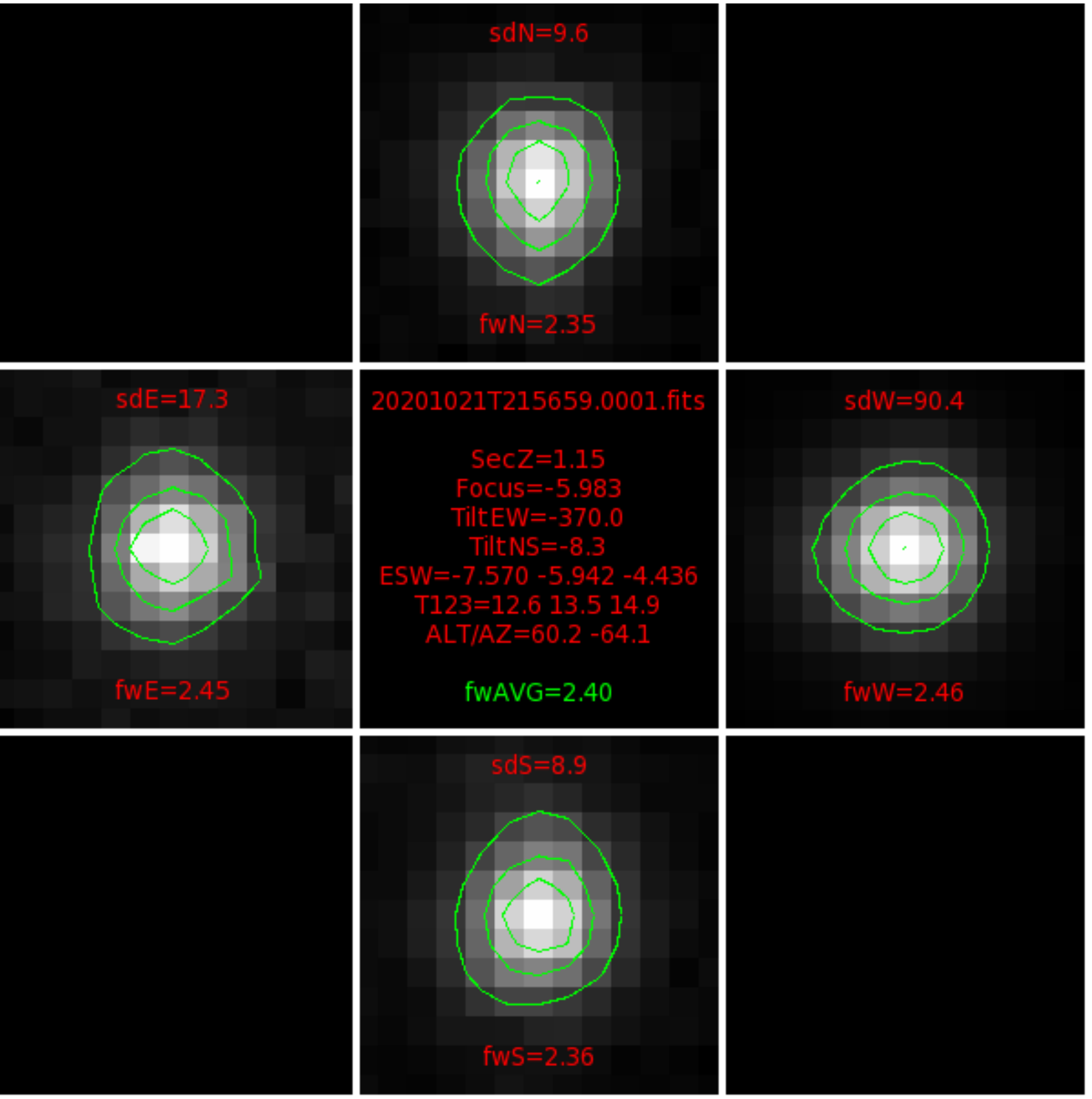
sdN=9.6
fwN=2.35
sdE=17.3
fwE=2.45
20201021T215659.0001.fits
SecZ=1.15
Focus=-5.983
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.570 -5.942 -4.436
T123=12.6 13.5 14.9
ALT/AZ=60.2 -64.1
fwAVG=2.40
sdW=90.4
fwW=2.46
sdS=8.9
fwS=2.36
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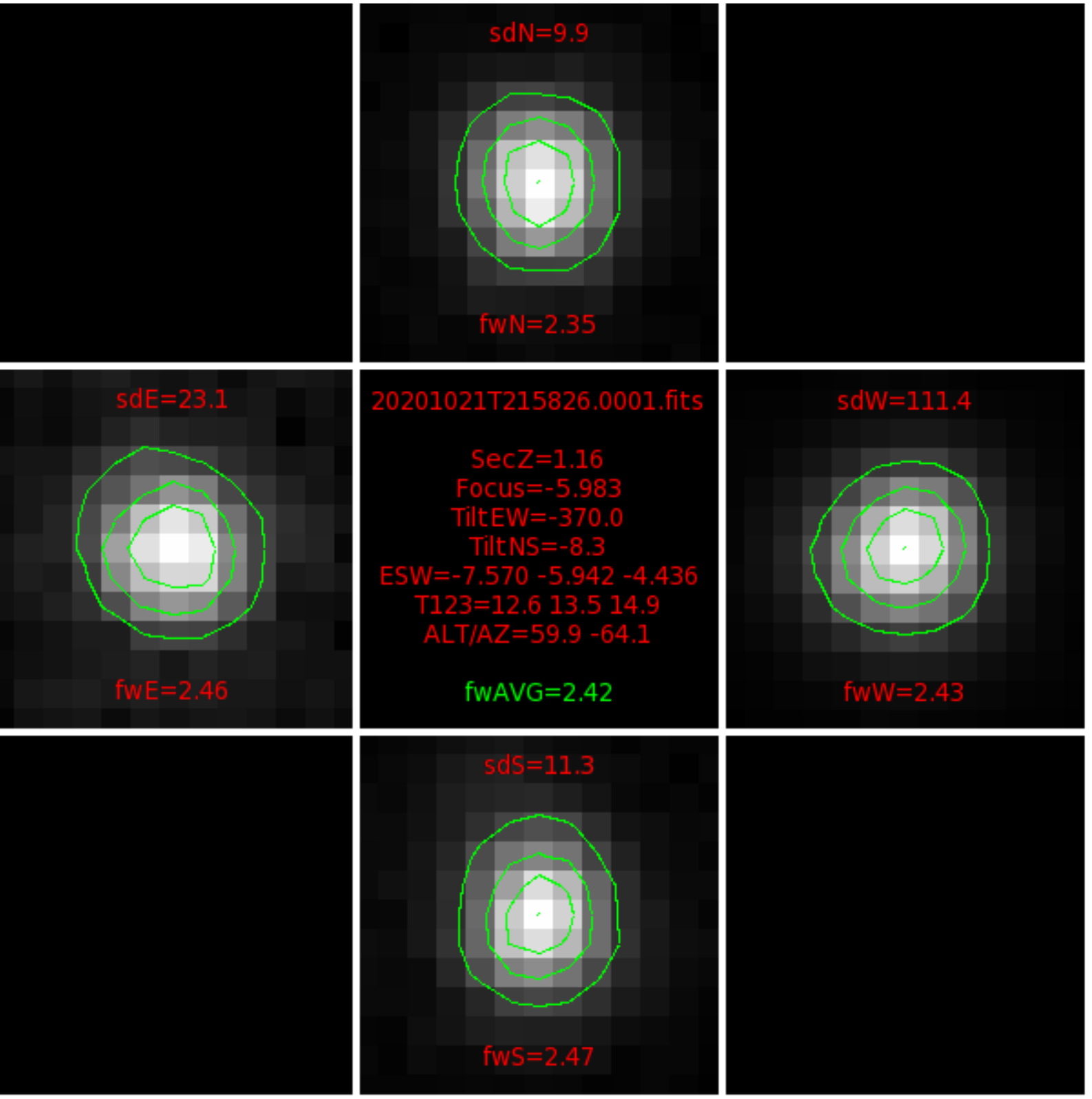
sdN=9.9
fwN=2.35
sdE=23.1
fwE=2.46
20201021T215826.0001.fits
SecZ=1.16
Focus=-5.983
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.570 -5.942 -4.436
T123=12.6 13.5 14.9
ALT/AZ=59.9 -64.1
fwAVG=2.42
sdW=111.4
fwW=2.43
sdS=11.3
fwS=2.47
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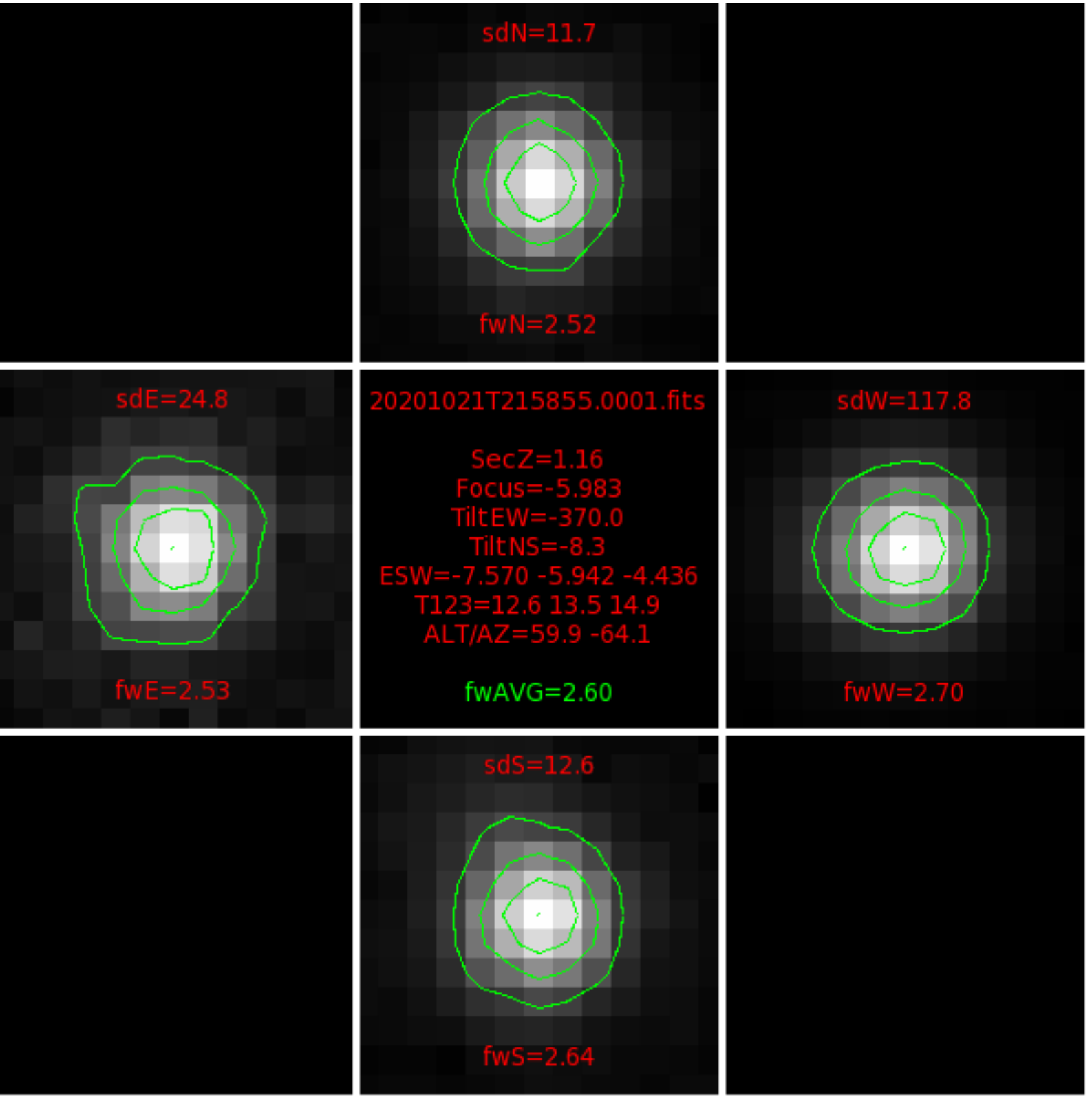
sdN=11.7
fwN=2.52
sdE=24.8
fwE=2.53
20201021T215855.0001.fits
SecZ=1.16
Focus=-5.983
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.570 -5.942 -4.436
T123=12.6 13.5 14.9
ALT/AZ=59.9 -64.1
fwAVG=2.60
sdW=117.8
fwW=2.70
sdS=12.6
fwS=2.64
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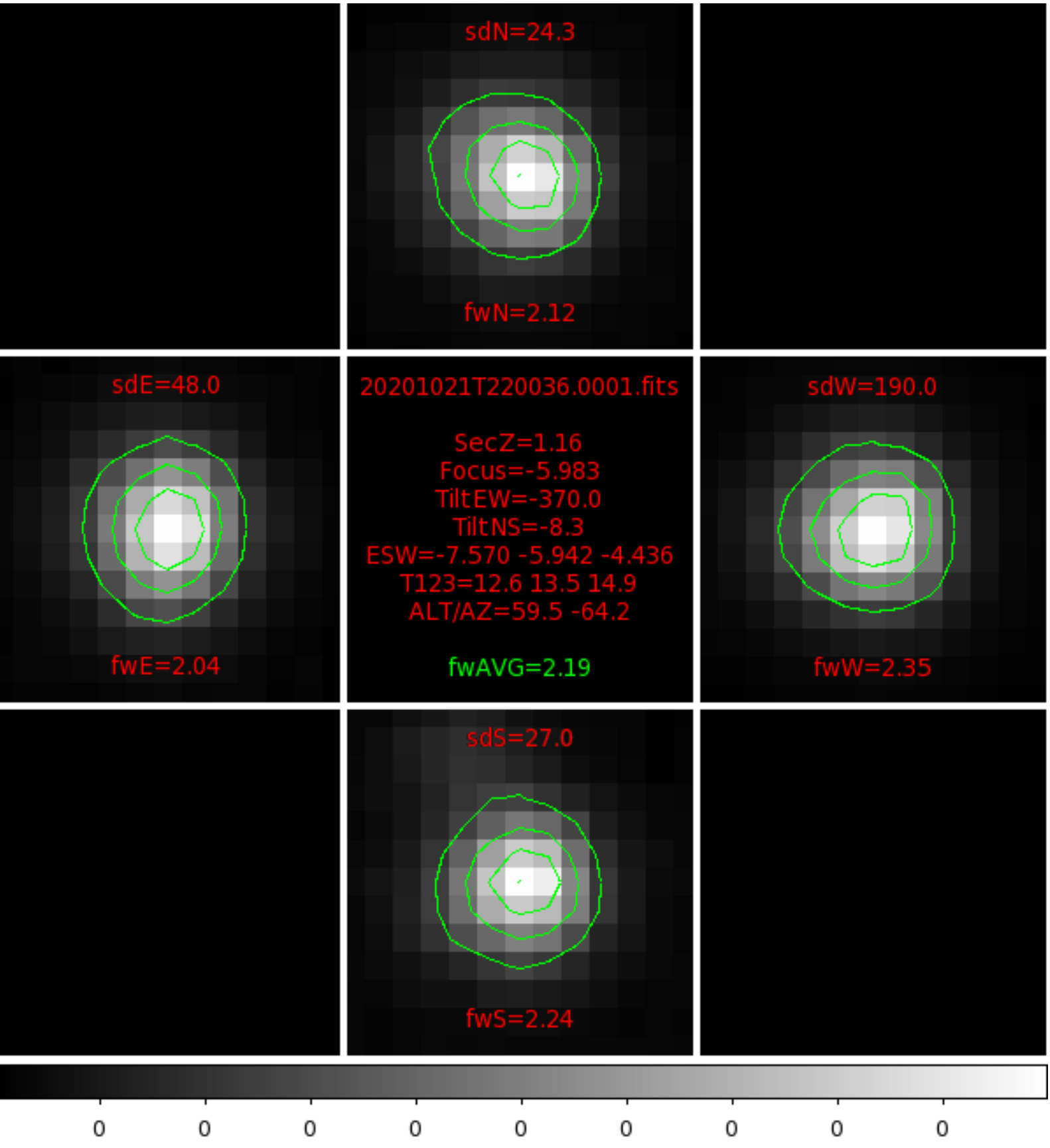
sdN=24.3
fwN=2.12
sdE=48.0
fwE=2.04
20201021T220036.0001.fits
SecZ=1.16
Focus=-5.983
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.570 -5.942 -4.436
T123=12.6 13.5 14.9
ALT/AZ=59.5 -64.2
fwAVG=2.19
sdW=190.0
fwW=2.35
sdS=27.0
fwS=2.24
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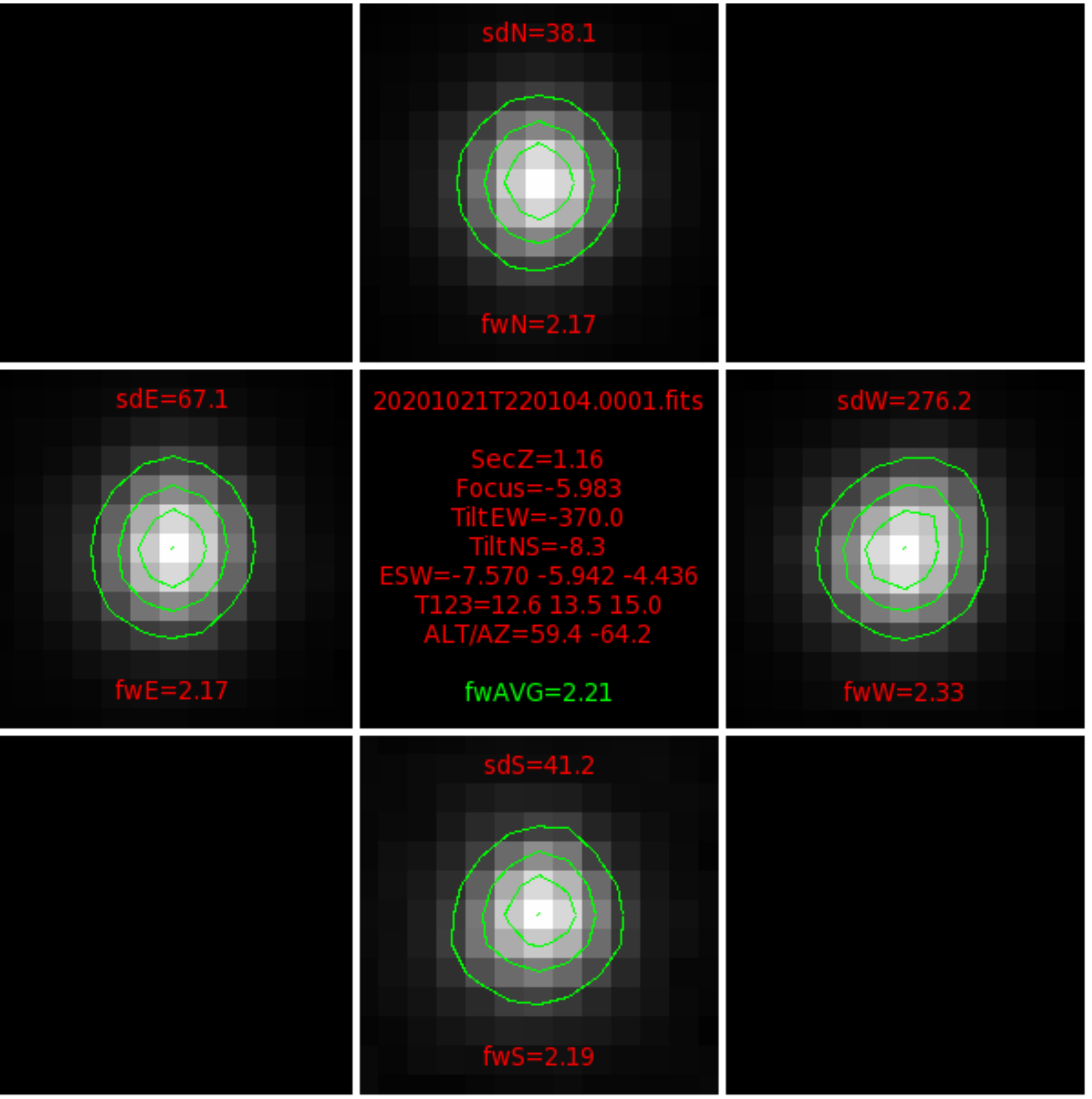
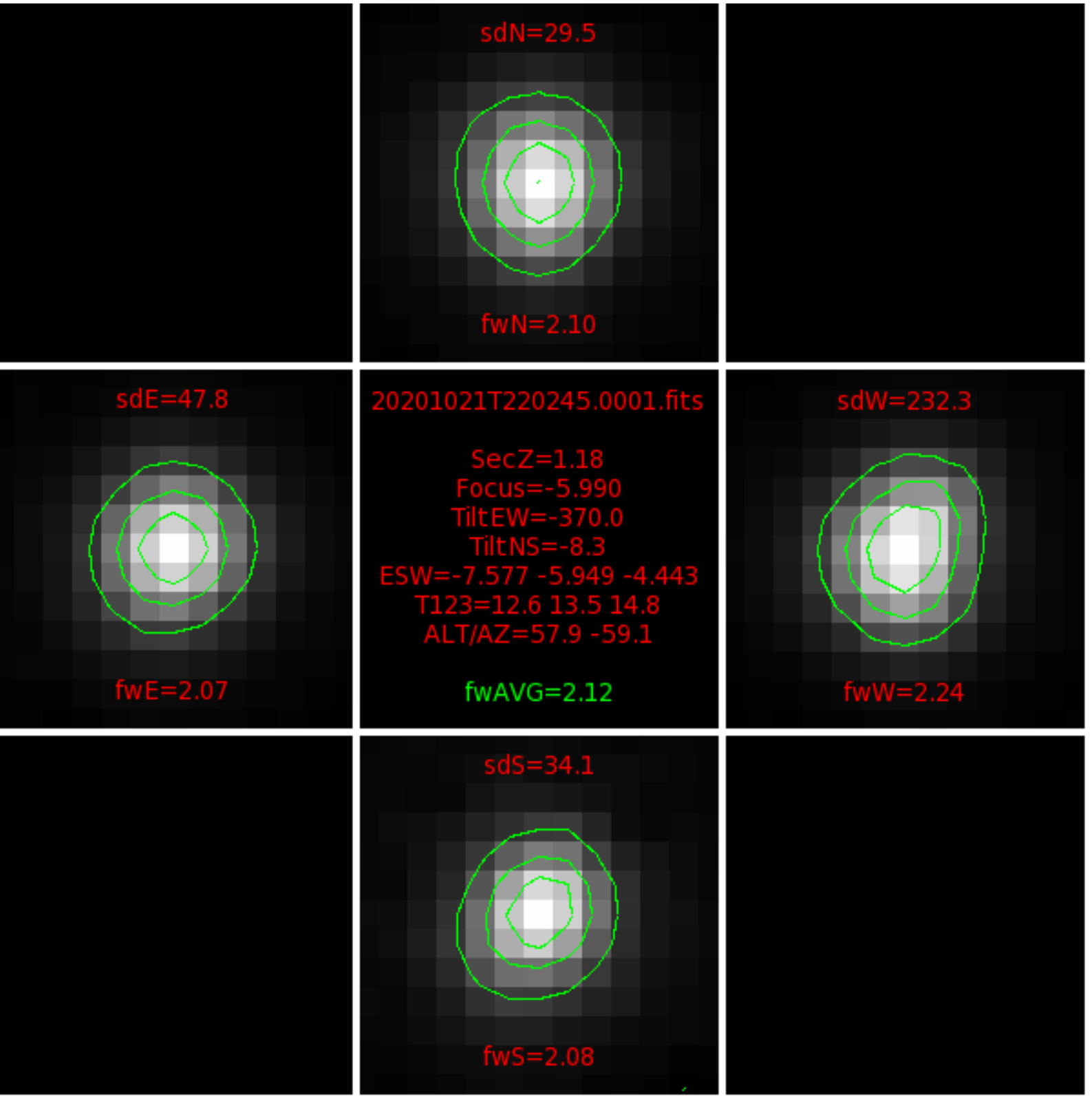

sdN=38.1
fwN=2.17
sdE=67.1
fwE=2.17
20201021T220104.0001.fits
SecZ=1.16
Focus=-5.983
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.570 -5.942 -4.436
T123=12.6 13.5 15.0
ALT/AZ=59.4 -64.2
fwAVG=2.21
sdW=276.2
fwW=2.33
sdS=41.2
fwS=2.19
0 0 0 0 0 0 0 0 0


sdN=29.5
fwN=2.10
sdE=47.8
fwE=2.07
20201021T220245.0001.fits
SecZ=1.18
Focus=-5.990
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.577 -5.949 -4.443
T123=12.6 13.5 14.8
ALT/AZ=57.9 -59.1
fwAVG=2.12
sdW=232.3
fwW=2.24
sdS=34.1
fwS=2.08
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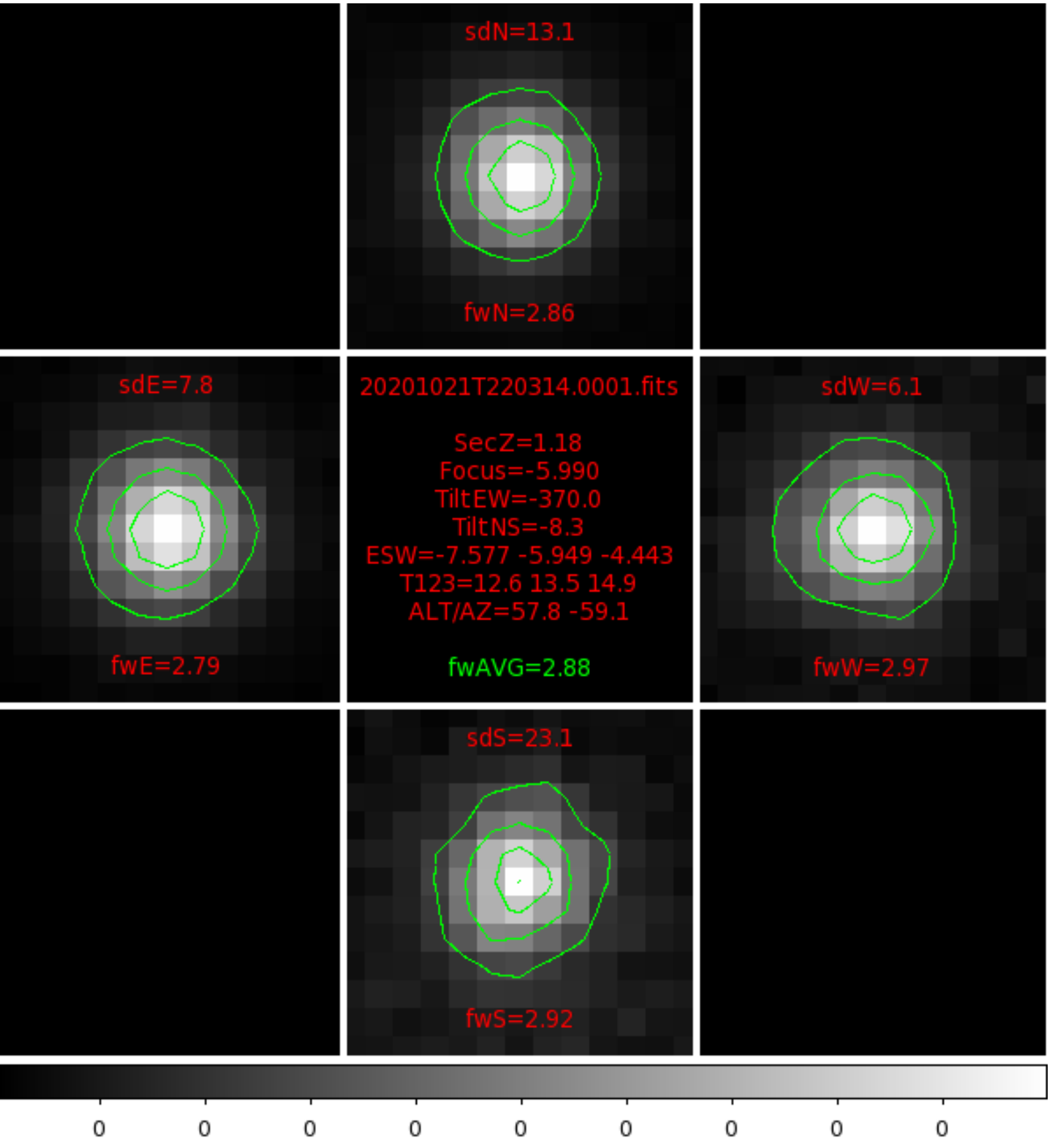
sdN=13.1
fwN=2.86
sdE=7.8
fwE=2.79
20201021T220314.0001.fits
SecZ=1.18
Focus=-5.990
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.577 -5.949 -4.443
T123=12.6 13.5 14.9
ALT/AZ=57.8 -59.1
fwAVG=2.88
sdW=6.1
fwW=2.97
sdS=23.1
fwS=2.92
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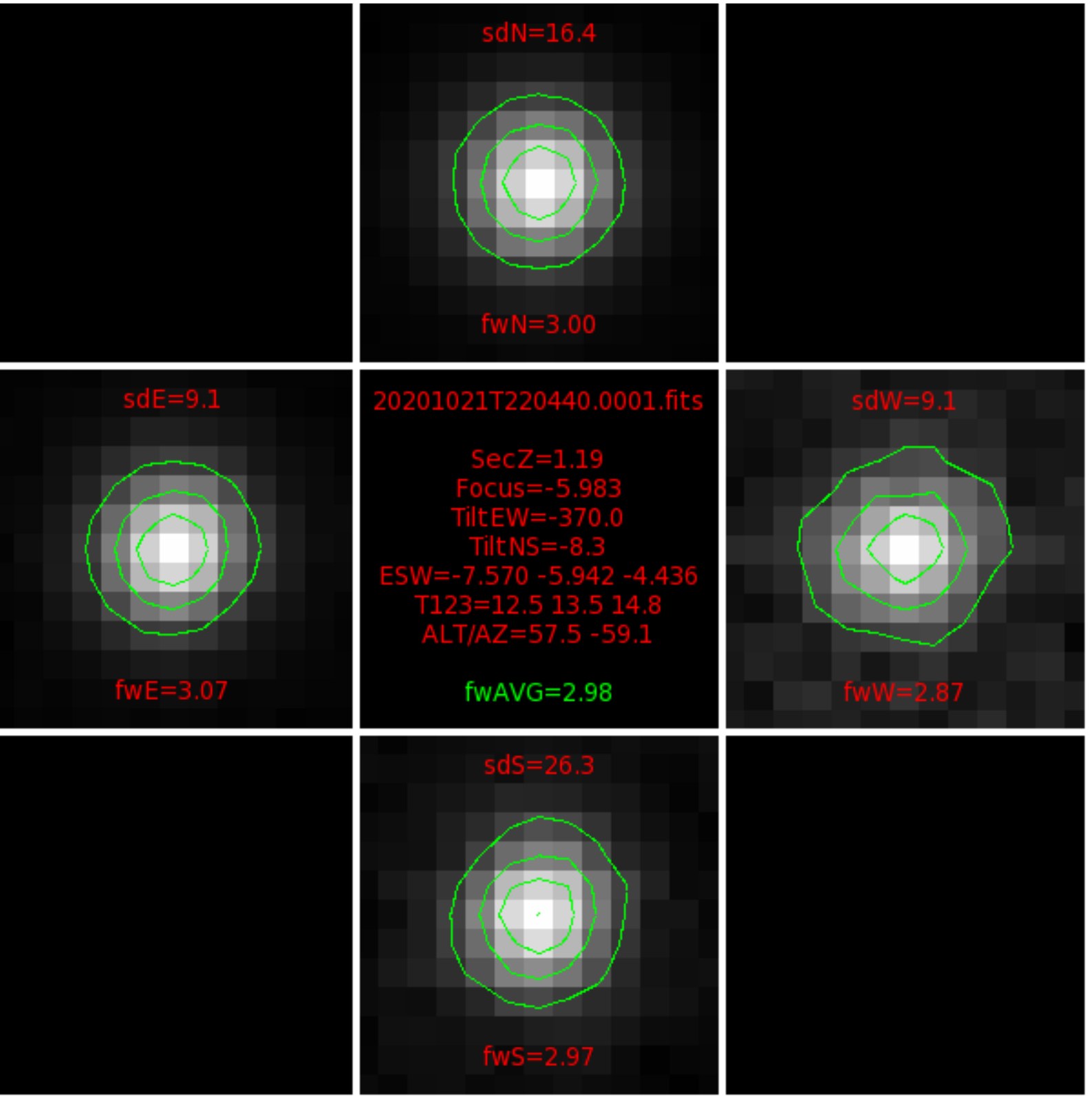
sdN=16.4
fwN=3.00
sdE=9.1
fwE=3.07
20201021T220440.0001.fits
SecZ=1.19
Focus=-5.983
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.570 -5.942 -4.436
T123=12.5 13.5 14.8
ALT/AZ=57.5 -59.1
fwAVG=2.98
sdW=9.1
fwW=2.87
sdS=26.3
fwS=2.97
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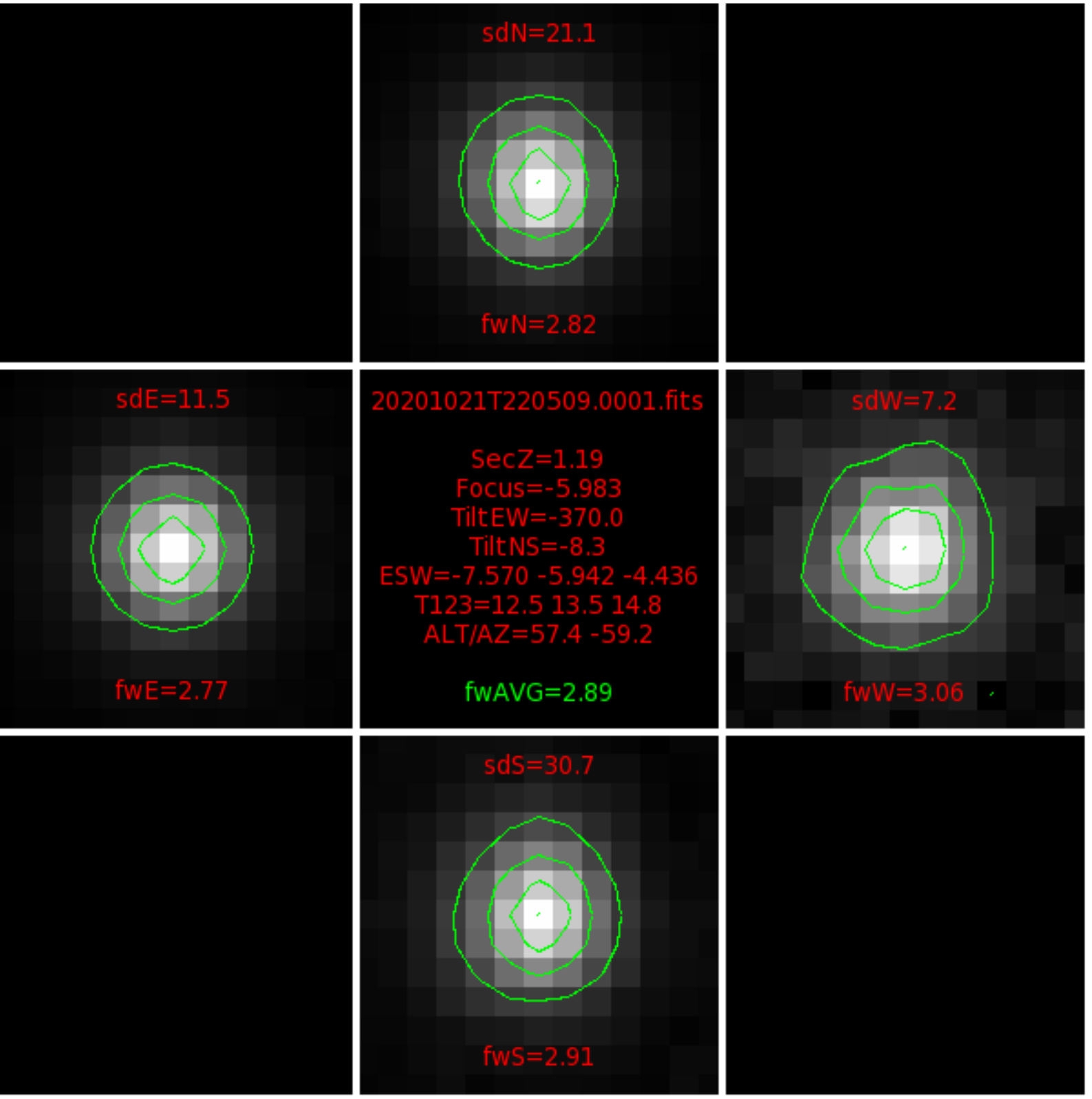
sdN=21.1
fwN=2.82
sdE=11.5
fwE=2.77
20201021T220509.0001.fits
SecZ=1.19
Focus=-5.983
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.570 -5.942 -4.436
T123=12.5 13.5 14.8
ALT/AZ=57.4 -59.2
fwAVG=2.89
sdW=7.2
fwW=3.06
sdS=30.7
fwS=2.91
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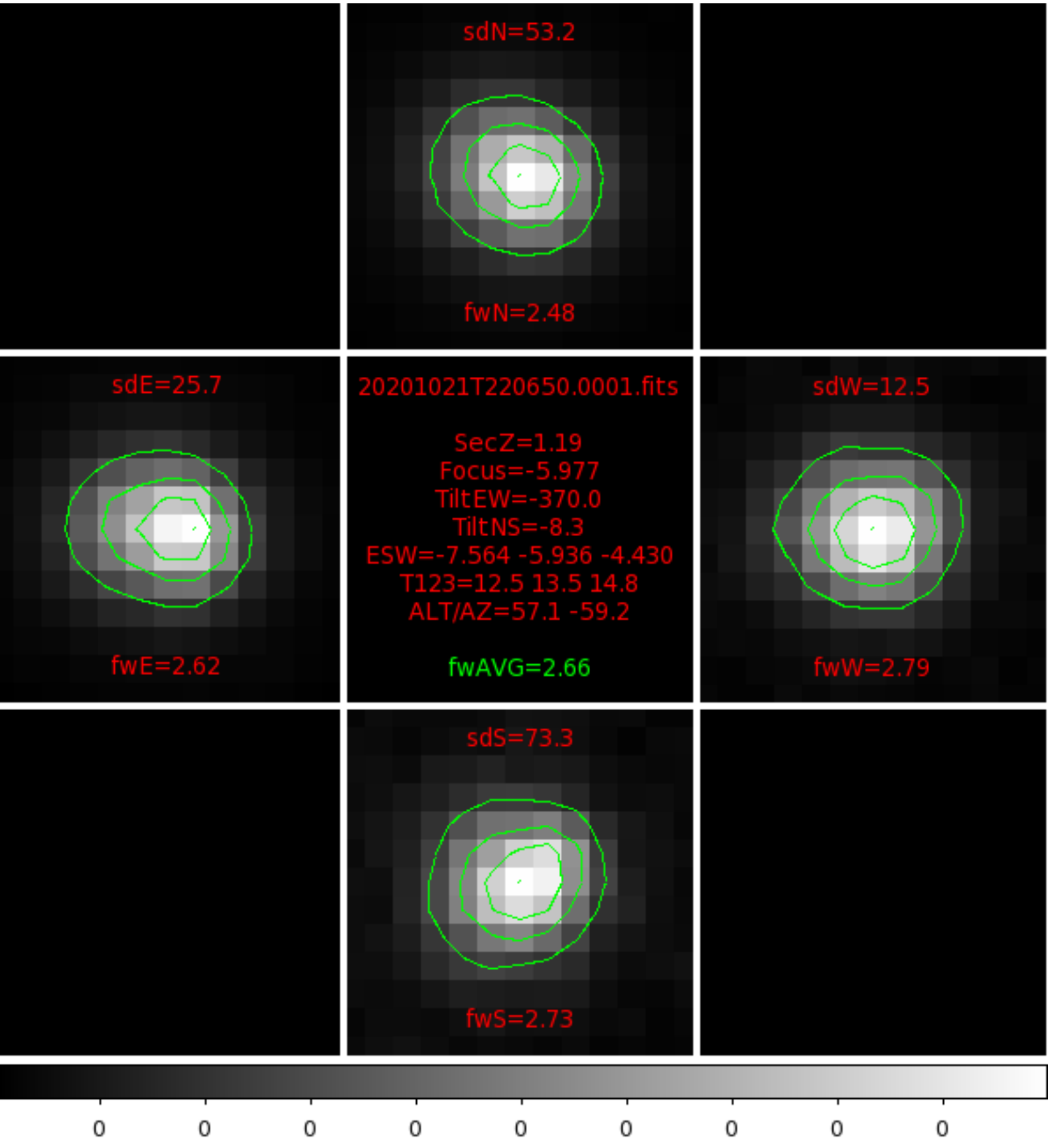
sdN=53.2
fwN=2.48
sdE=25.7
fwE=2.62
20201021T220650.0001.fits
SecZ=1.19
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=12.5 13.5 14.8
ALT/AZ=57.1 -59.2
fwAVG=2.66
sdW=12.5
fwW=2.79
sdS=73.3
fwS=2.73
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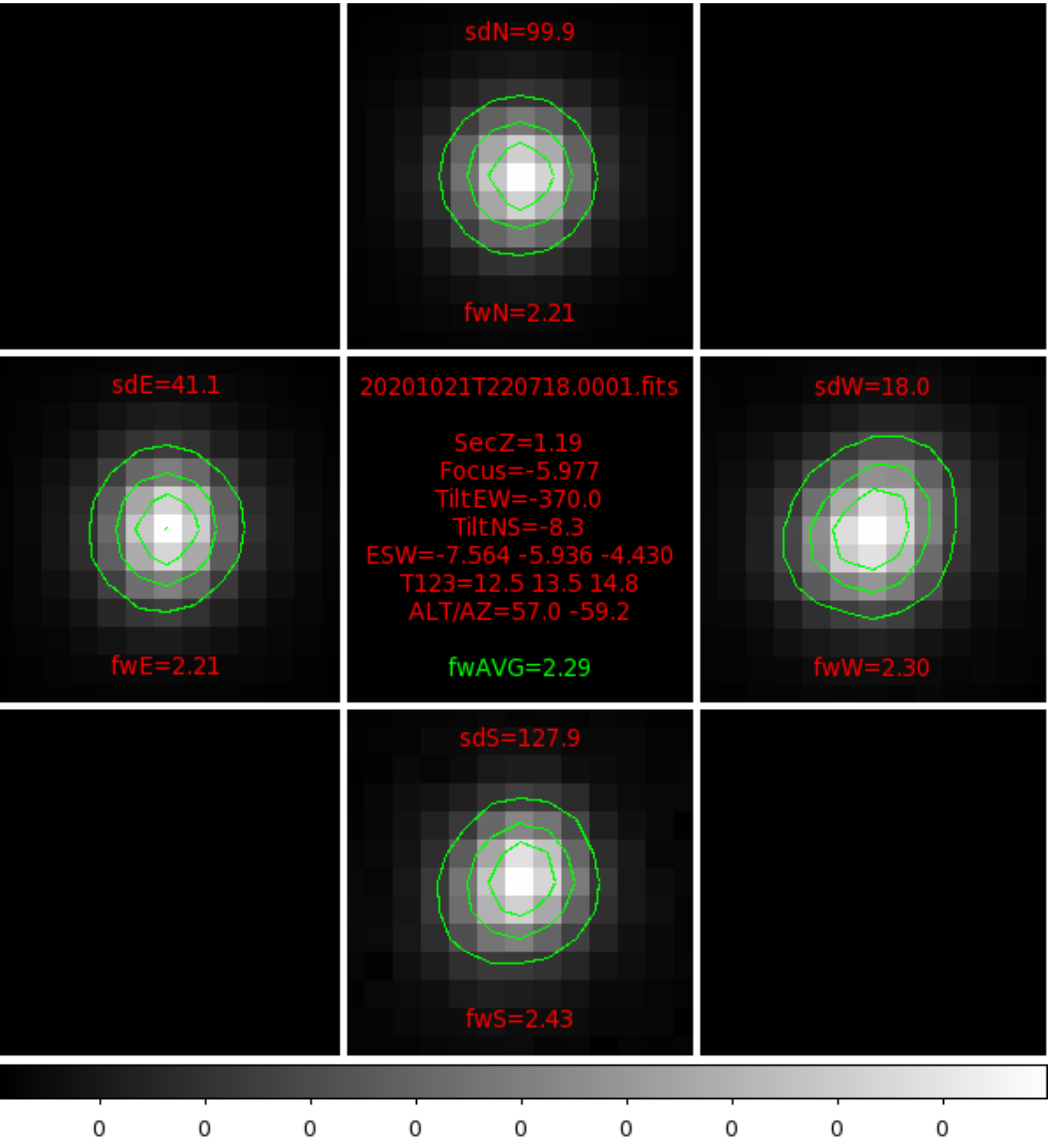
sdN=99.9
fwN=2.21
sdE=41.1
fwE=2.21
20201021T220718.0001.fits
SecZ=1.19
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=12.5 13.5 14.8
ALT/AZ=57.0 -59.2
fwAVG=2.29
sdW=18.0
fwW=2.30
sdS=127.9
fwS=2.43
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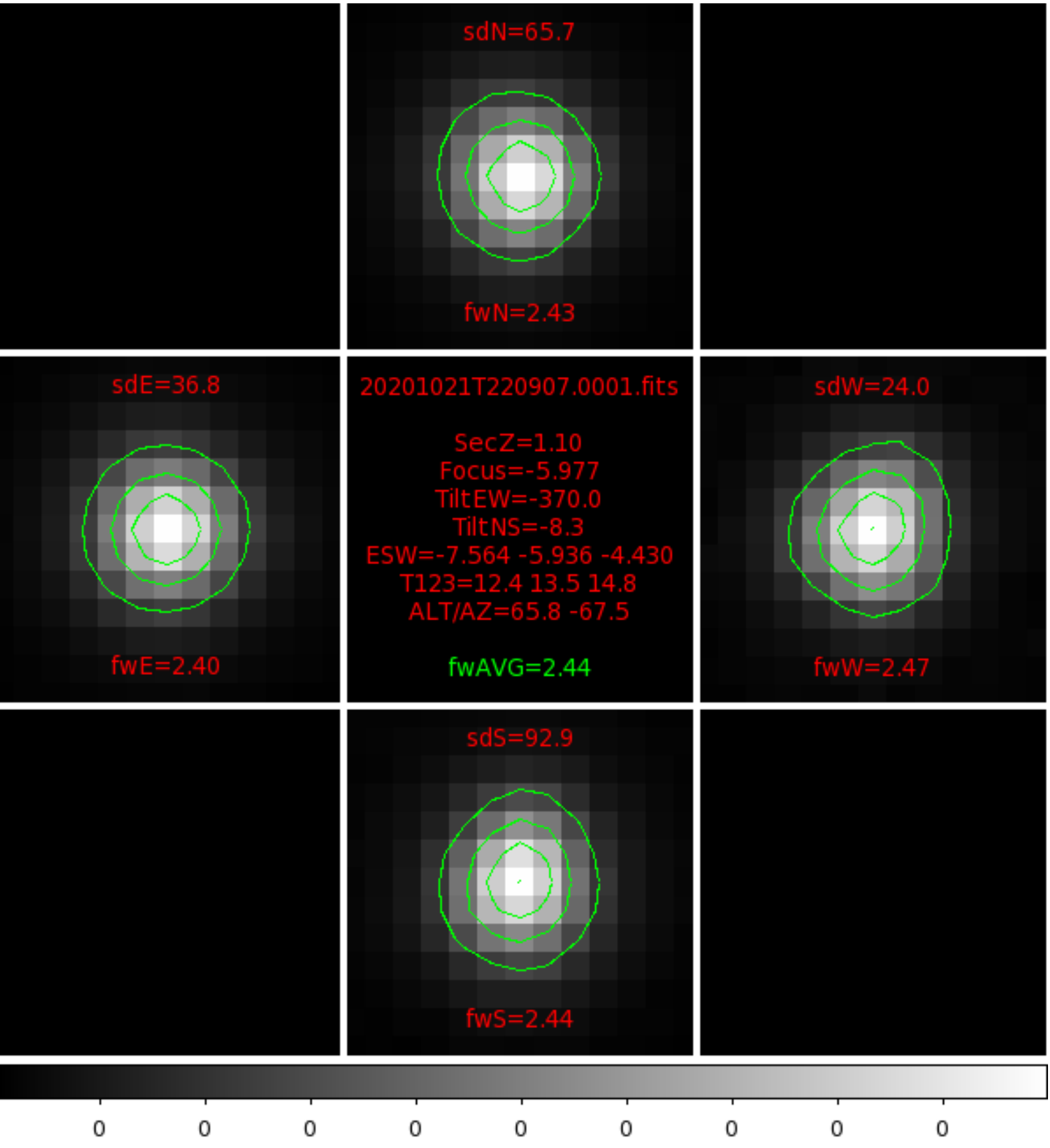
sdN=65.7
fwN=2.43
sdE=36.8
fwE=2.40
20201021T220907.0001.fits
SecZ=1.10
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=12.4 13.5 14.8
ALT/AZ=65.8 -67.5
fwAVG=2.44
sdW=24.0
fwW=2.47
sdS=92.9
fwS=2.44
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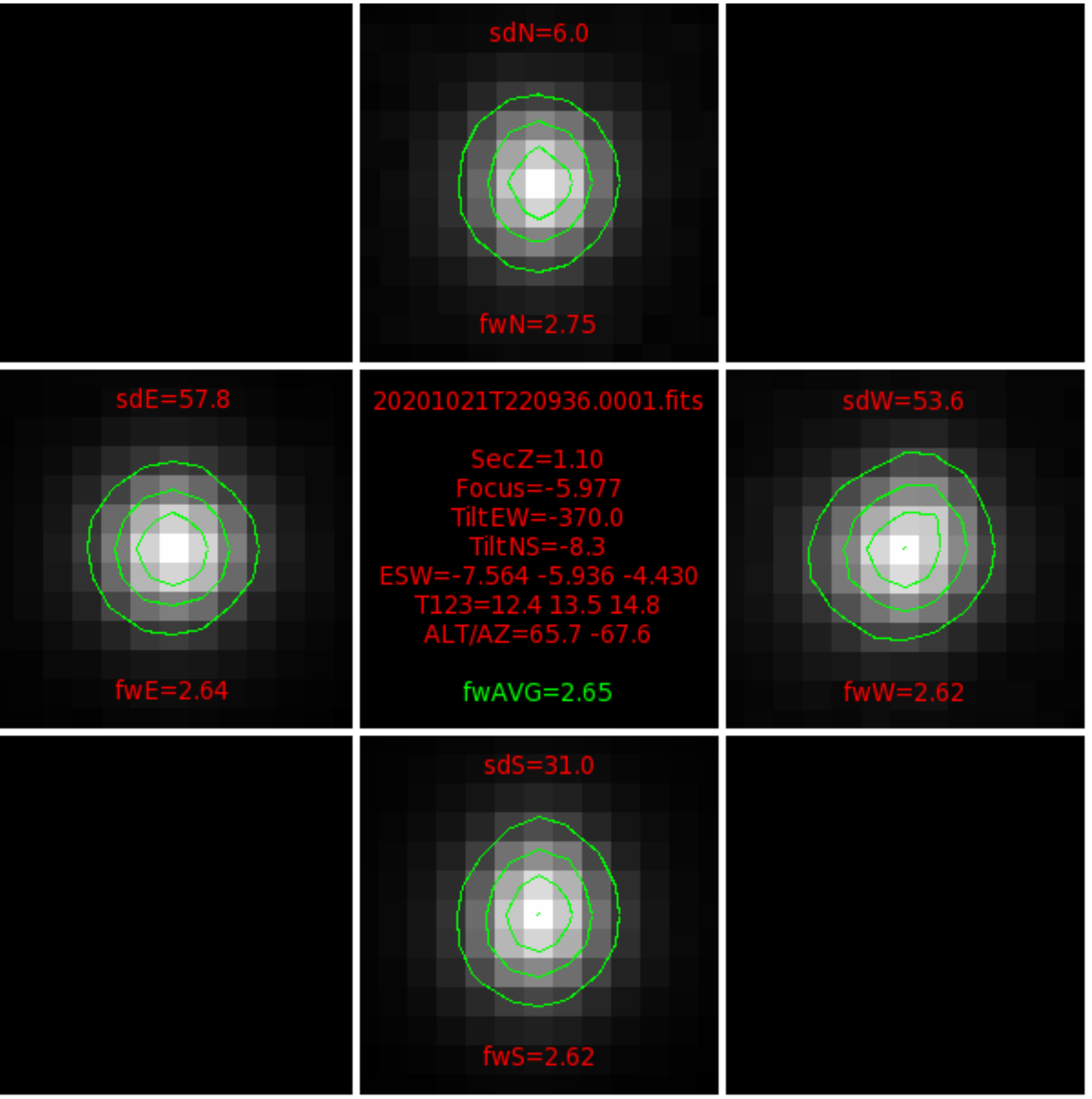
sdN=6.0
fwN=2.75
sdE=57.8
fwE=2.64
20201021T220936.0001.fits
SecZ=1.10
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=12.4 13.5 14.8
ALT/AZ=65.7 -67.6
fwAVG=2.65
sdW=53.6
fwW=2.62
sdS=31.0
fwS=2.62
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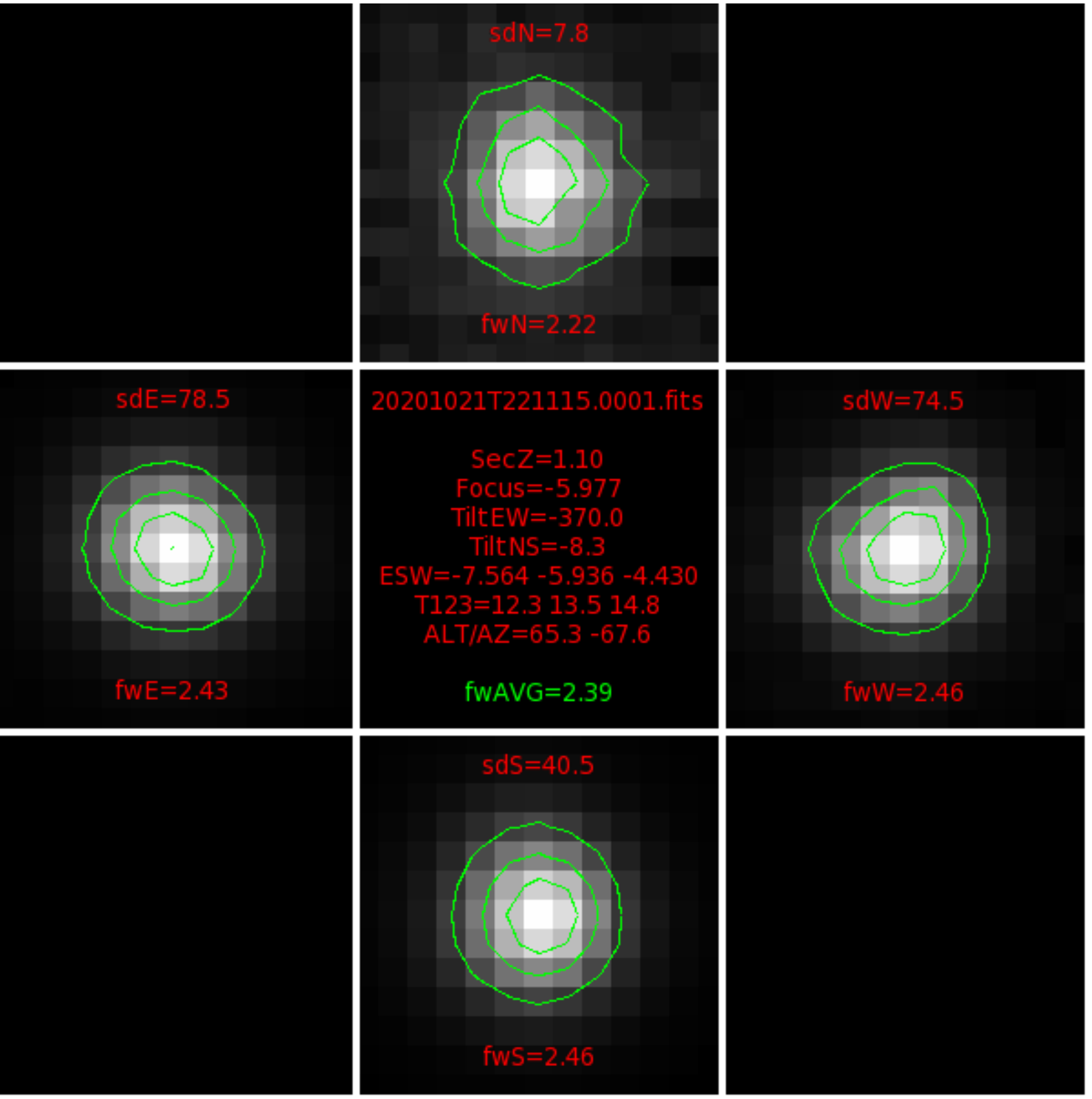
sdN=7.8
fwN=2.22
sdE=78.5
fwE=2.43
20201021T221115.0001.fits
SecZ=1.10
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=12.3 13.5 14.8
ALT/AZ=65.3 -67.6
fwAVG=2.39
sdW=74.5
fwW=2.46
sdS=40.5
fwS=2.46
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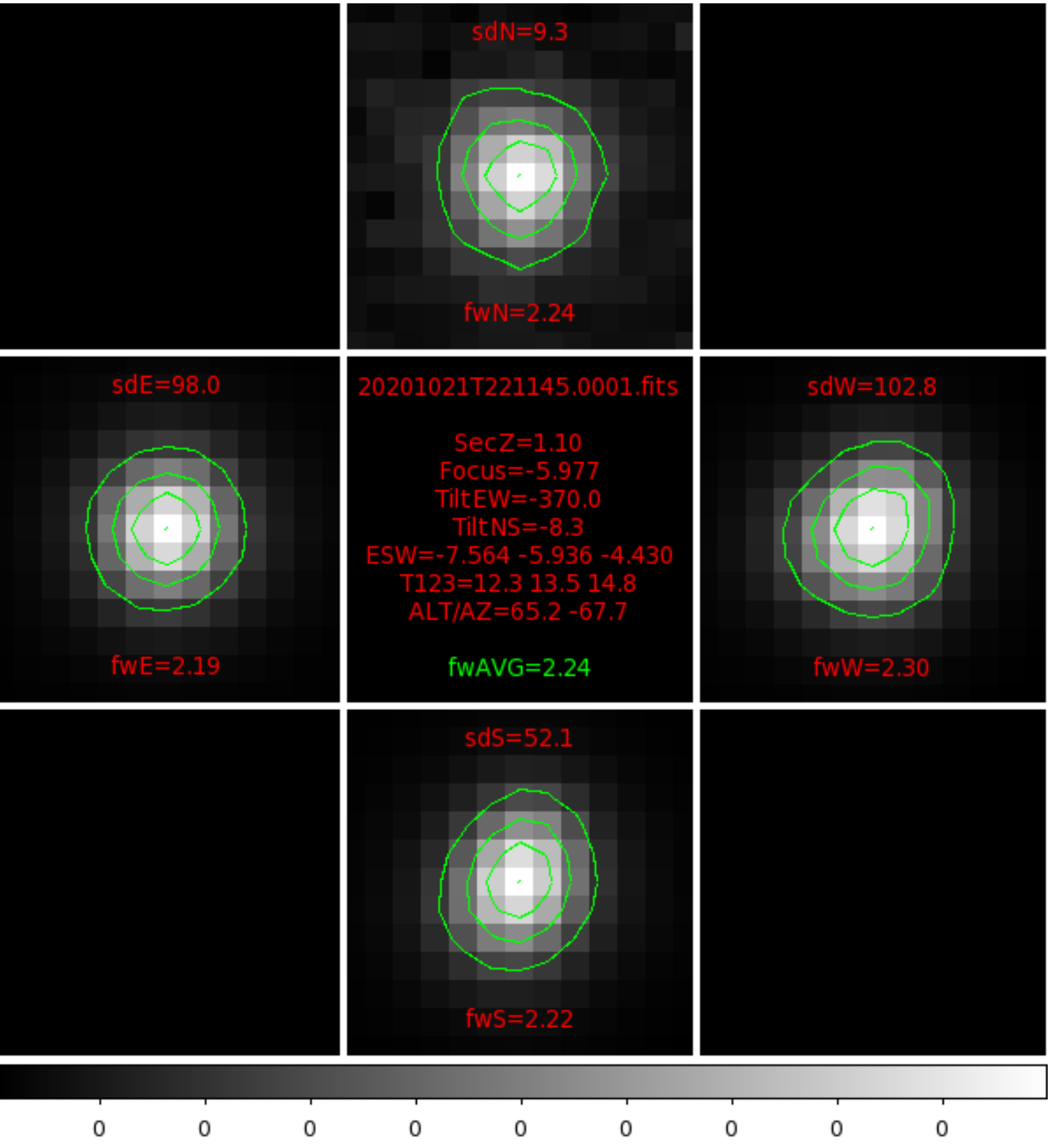
sdN=9.3
fwN=2.24
sdE=98.0
fwE=2.19
20201021T221145.0001.fits
SecZ=1.10
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=12.3 13.5 14.8
ALT/AZ=65.2 -67.7
fwAVG=2.24
sdW=102.8
fwW=2.30
sdS=52.1
fwS=2.22
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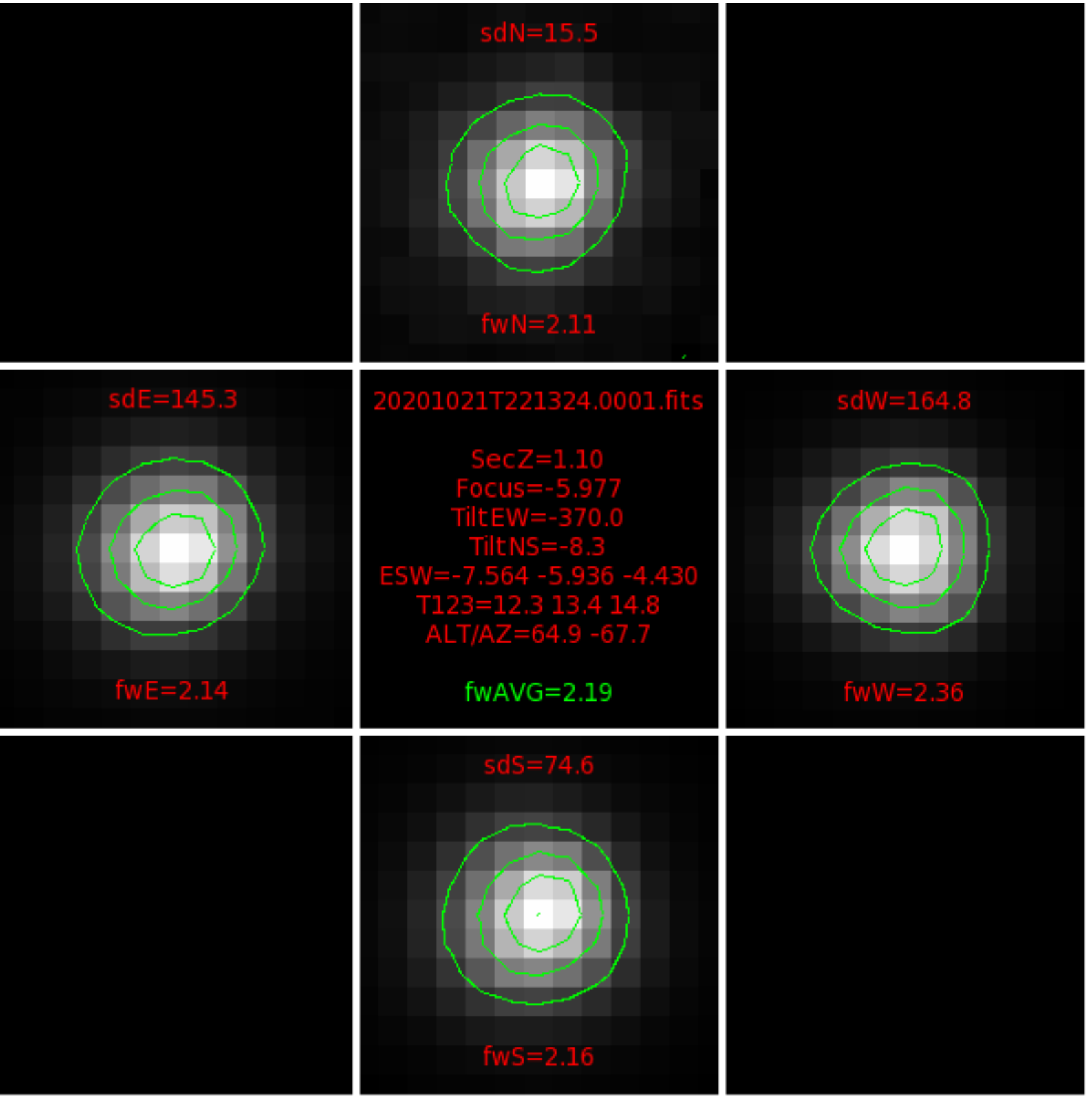
sdN=15.5
fwN=2.11
sdE=145.3
fwE=2.14
20201021T221324.0001.fits
SecZ=1.10
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=12.3 13.4 14.8
ALT/AZ=64.9 -67.7
fwAVG=2.19
sdW=164.8
fwW=2.36
sdS=74.6
fwS=2.16
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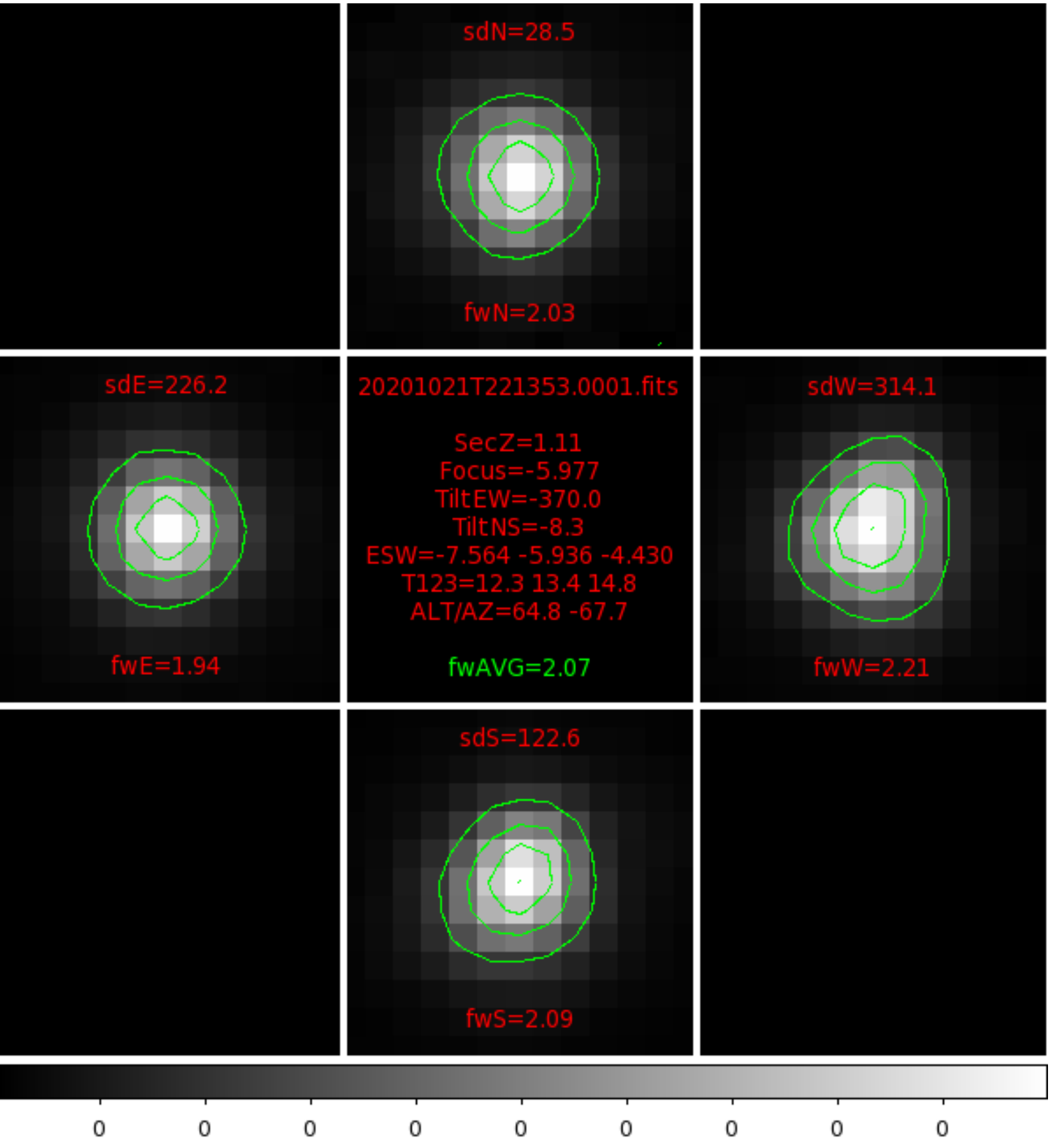
sdN=28.5
fwN=2.03
sdE=226.2
fwE=1.94
20201021T221353.0001.fits
SecZ=1.11
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=12.3 13.4 14.8
ALT/AZ=64.8 -67.7
fwAVG=2.07
sdW=314.1
fwW=2.21
sdS=122.6
fwS=2.09
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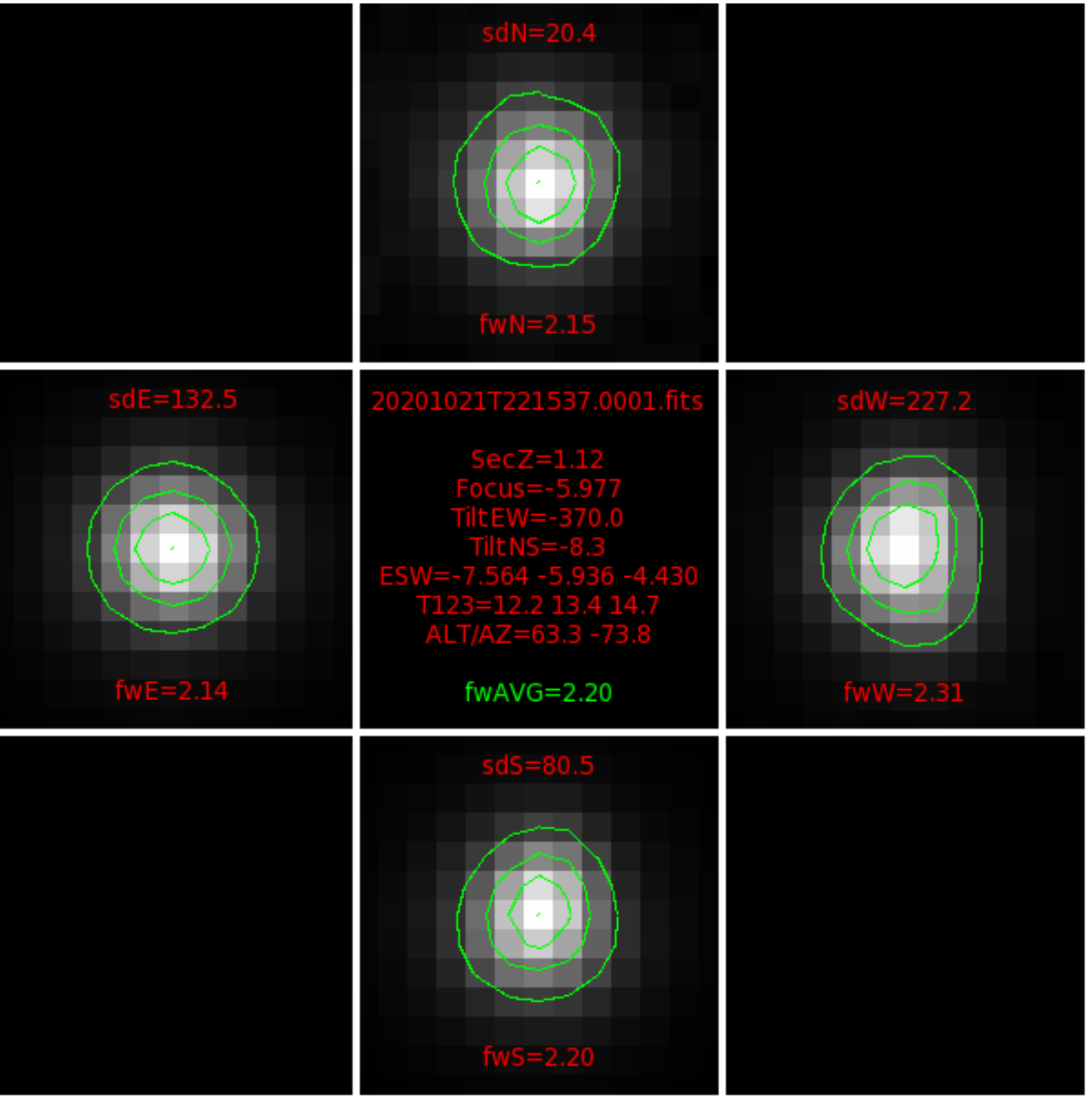
sdN=20.4
fwN=2.15
sdE=132.5
fwE=2.14
20201021T221537.0001.fits
SecZ=1.12
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=12.2 13.4 14.7
ALT/AZ=63.3 -73.8
fwAVG=2.20
sdW=227.2
fwW=2.31
sdS=80.5
fwS=2.20
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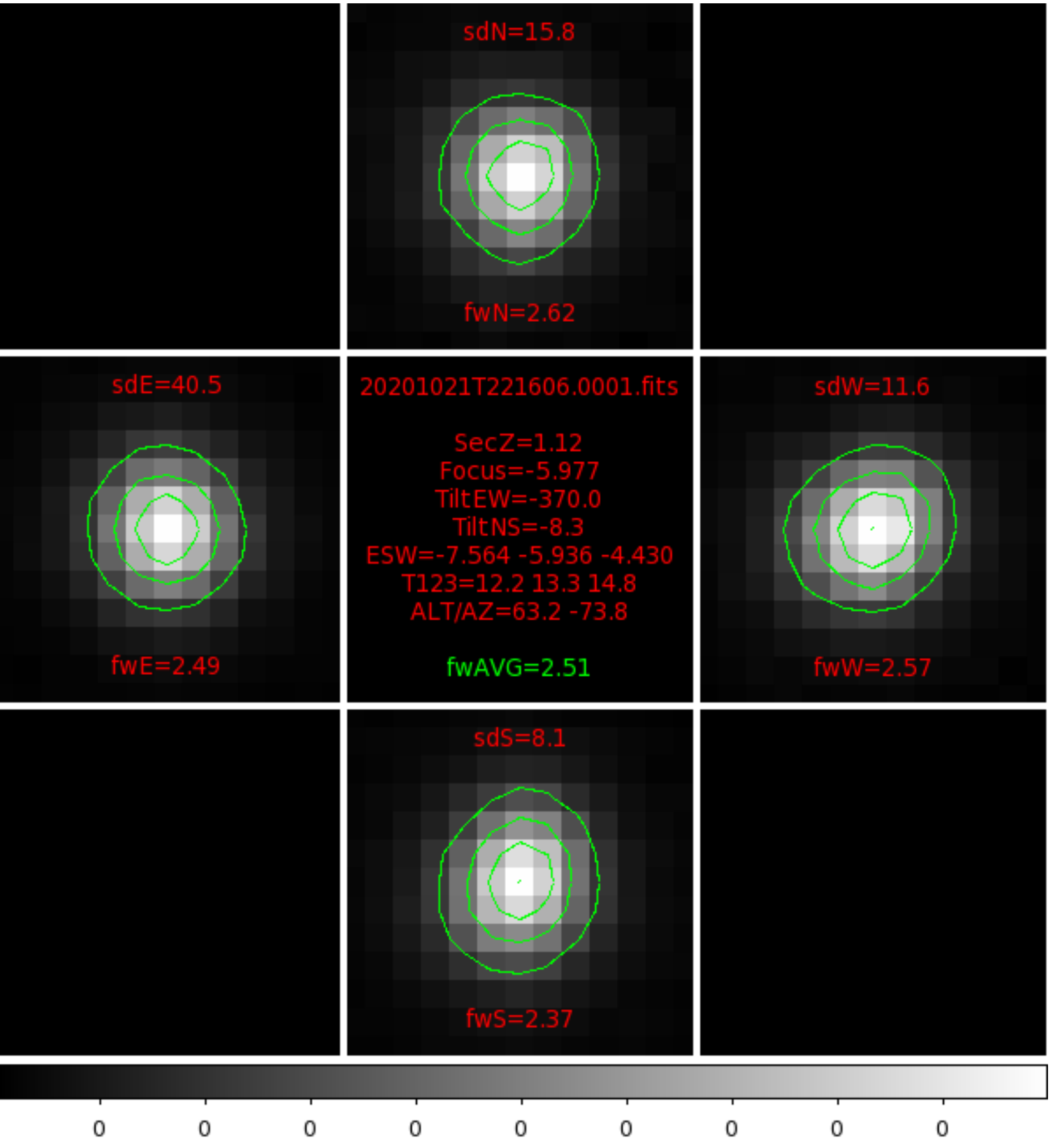
sdN=15.8
fwN=2.62
sdE=40.5
fwE=2.49
20201021T221606.0001.fits
SecZ=1.12
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=12.2 13.3 14.8
ALT/AZ=63.2 -73.8
fwAVG=2.51
sdW=11.6
fwW=2.57
sdS=8.1
fwS=2.37
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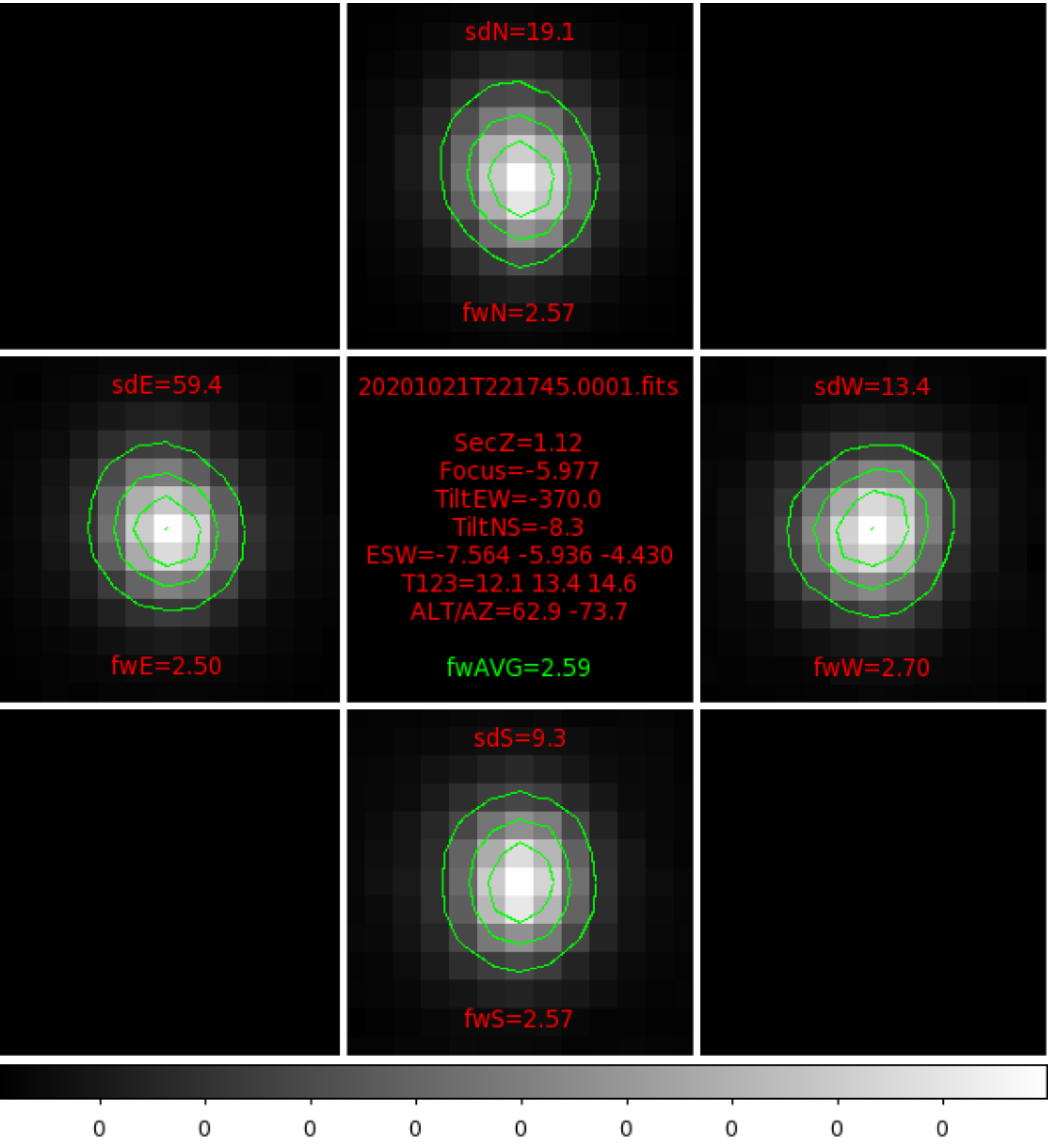
sdN=19.1
fwN=2.57
sdE=59.4
fwE=2.50
20201021T221745.0001.fits
SecZ=1.12
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=12.1 13.4 14.6
ALT/AZ=62.9 -73.7
fwAVG=2.59
sdW=13.4
fwW=2.70
sdS=9.3
fwS=2.57
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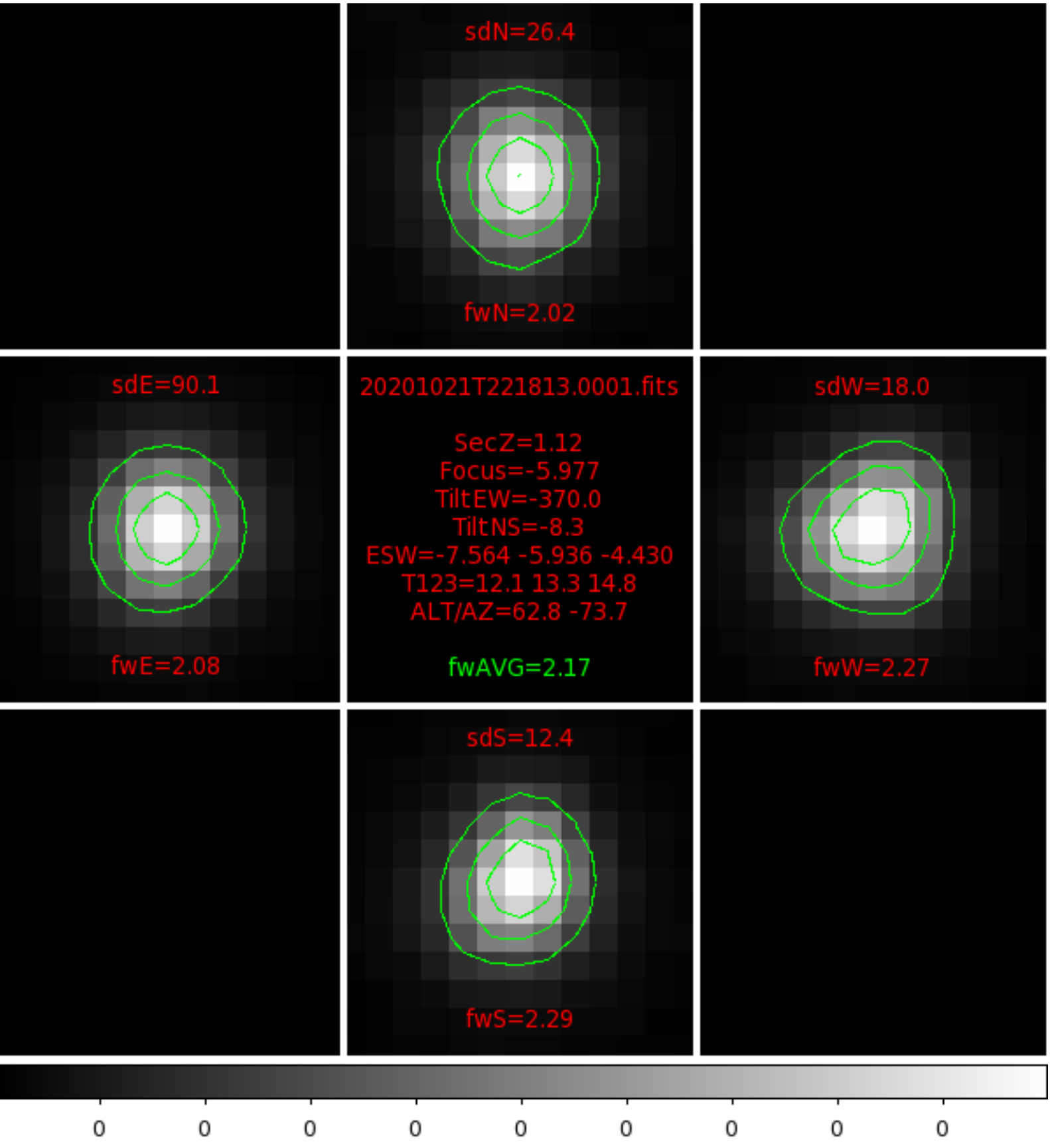
sdN=26.4
fwN=2.02
sdE=90.1
fwE=2.08
20201021T221813.0001.fits
SecZ=1.12
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=12.1 13.3 14.8
ALT/AZ=62.8 -73.7
fwAVG=2.17
sdW=18.0
fwW=2.27
sdS=12.4
fwS=2.29
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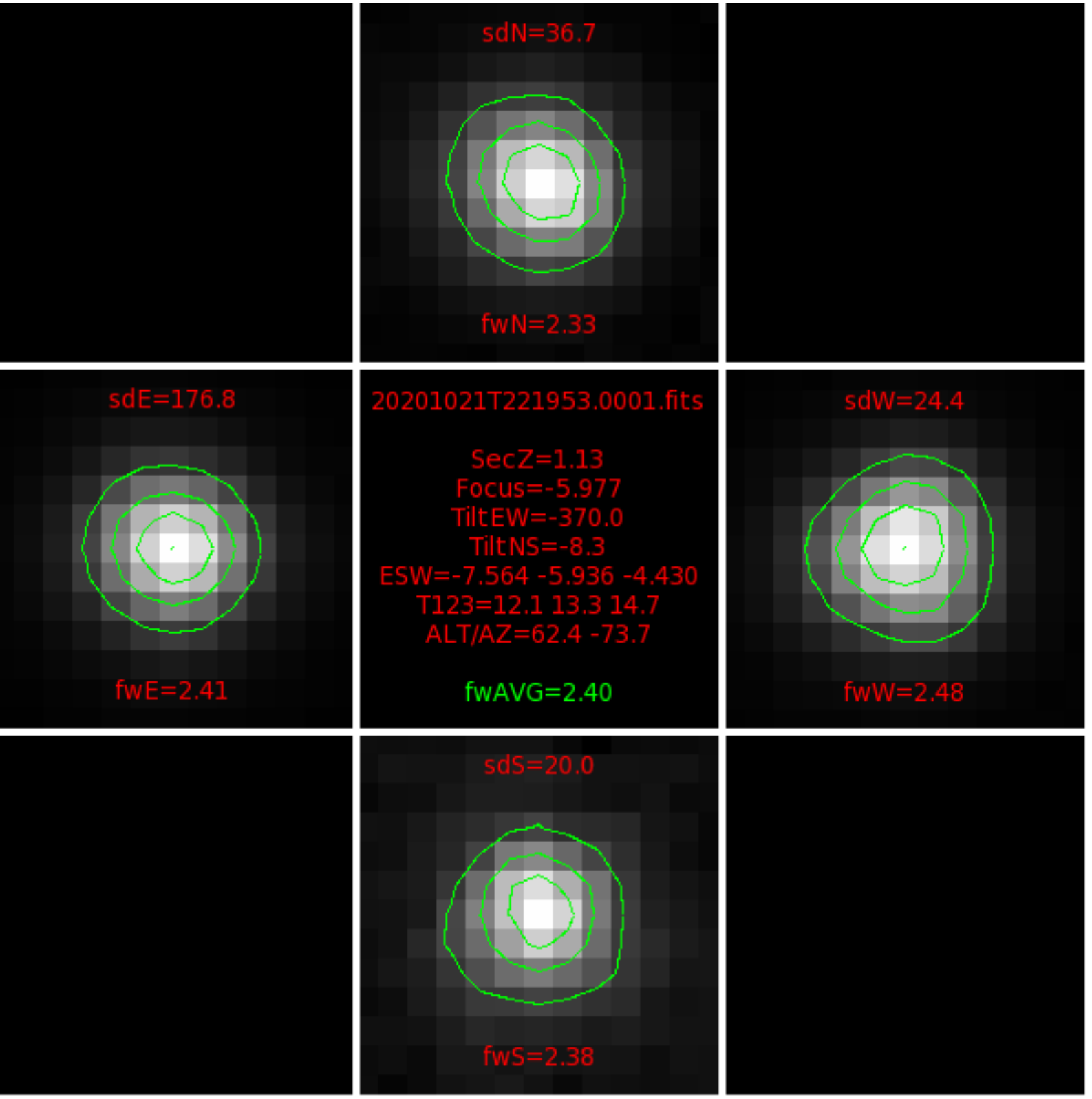
sdN=36.7
fwN=2.33
sdE=176.8
fwE=2.41
20201021T221953.0001.fits
SecZ=1.13
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=12.1 13.3 14.7
ALT/AZ=62.4 -73.7
fwAVG=2.40
sdW=24.4
fwW=2.48
sdS=20.0
fwS=2.38
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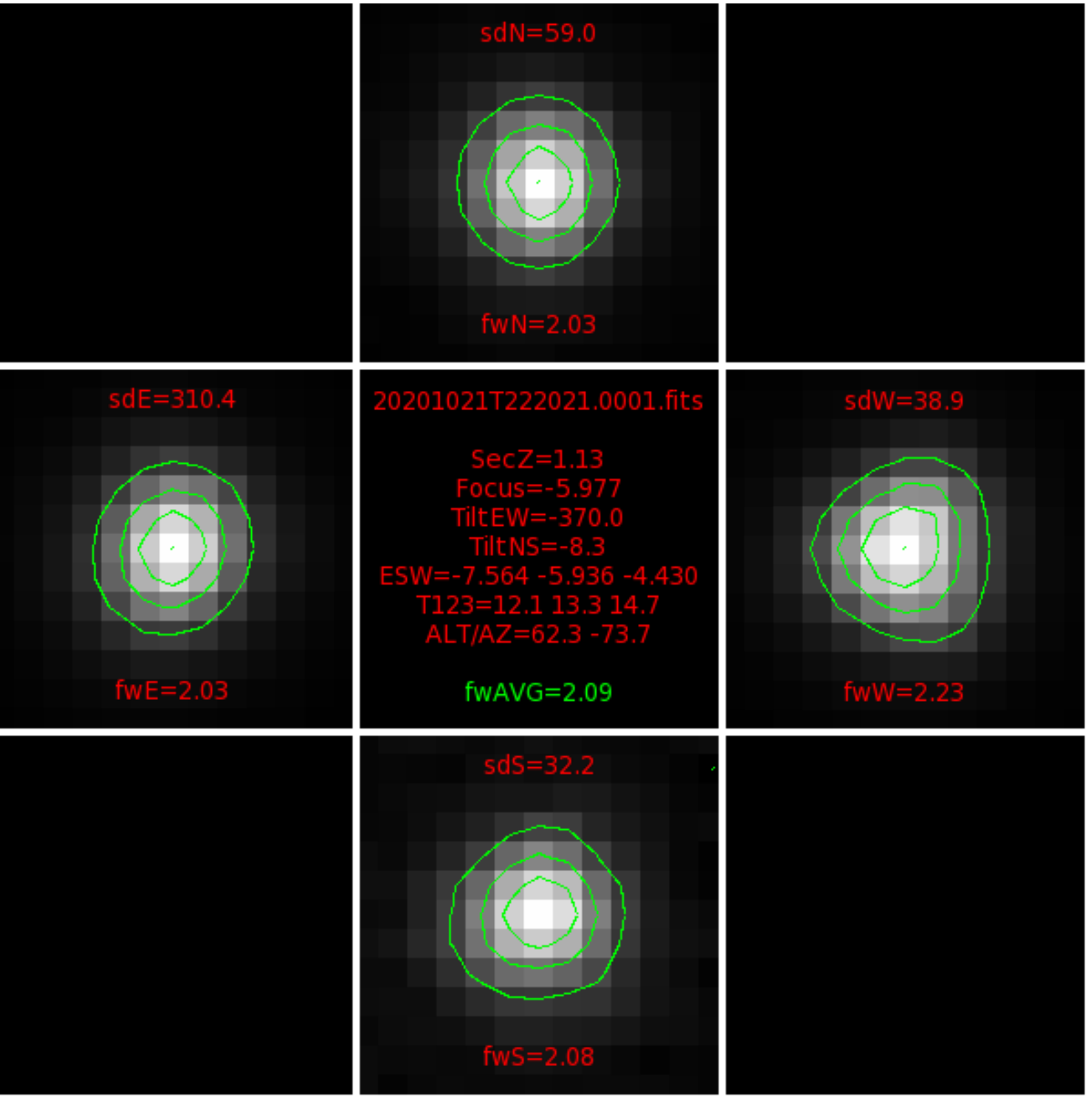
sdN=59.0
fwN=2.03
sdE=310.4
fwE=2.03
20201021T222021.0001.fits
SecZ=1.13
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=12.1 13.3 14.7
ALT/AZ=62.3 -73.7
fwAVG=2.09
sdW=38.9
fwW=2.23
sdS=32.2
fwS=2.08
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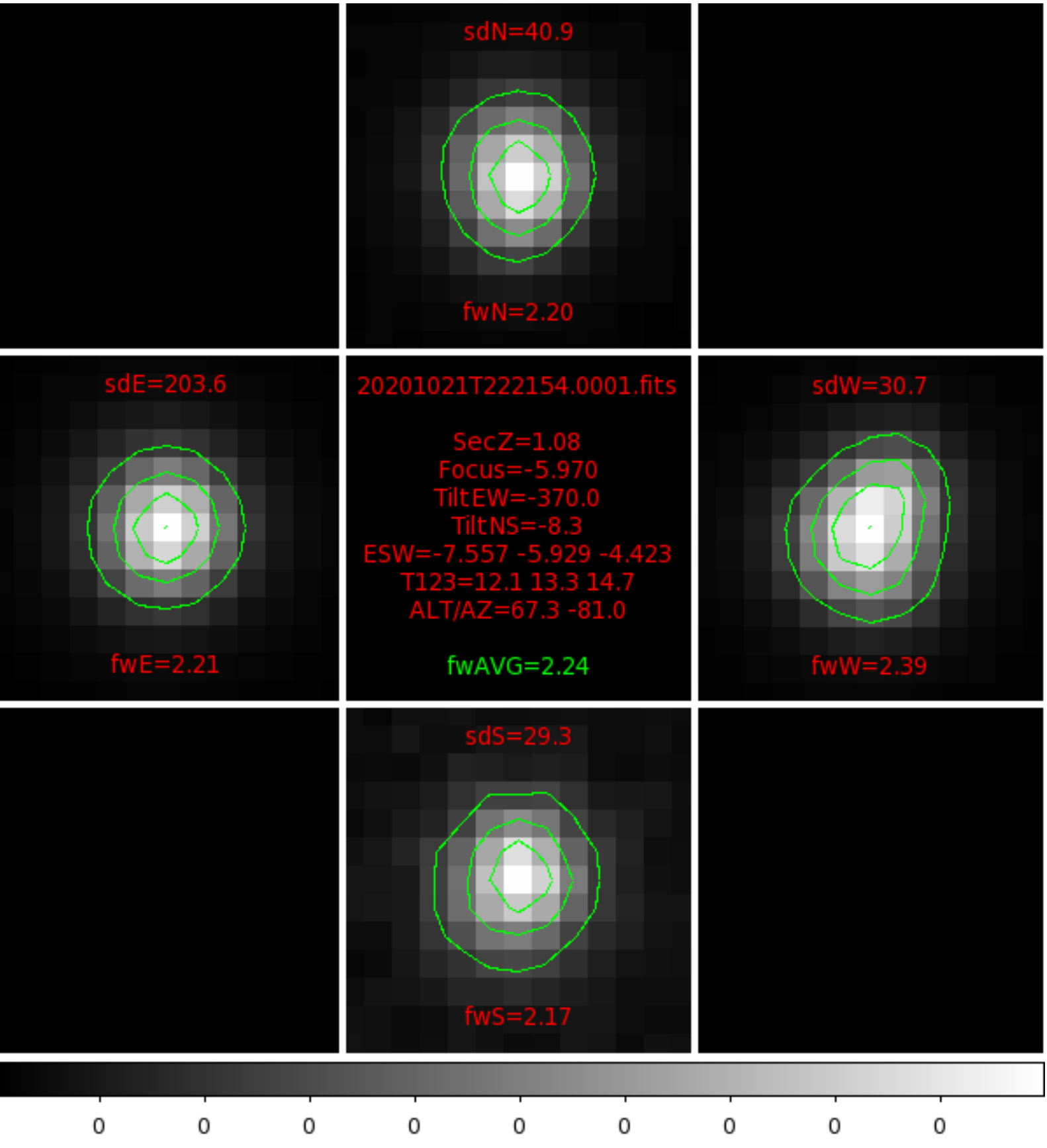
sdN=40.9
fwN=2.20
sdE=203.6
fwE=2.21
20201021T222154.0001.fits
SecZ=1.08
Focus=-5.970
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.557 -5.929 -4.423
T123=12.1 13.3 14.7
ALT/AZ=67.3 -81.0
fwAVG=2.24
sdW=30.7
fwW=2.39
sdS=29.3
fwS=2.17
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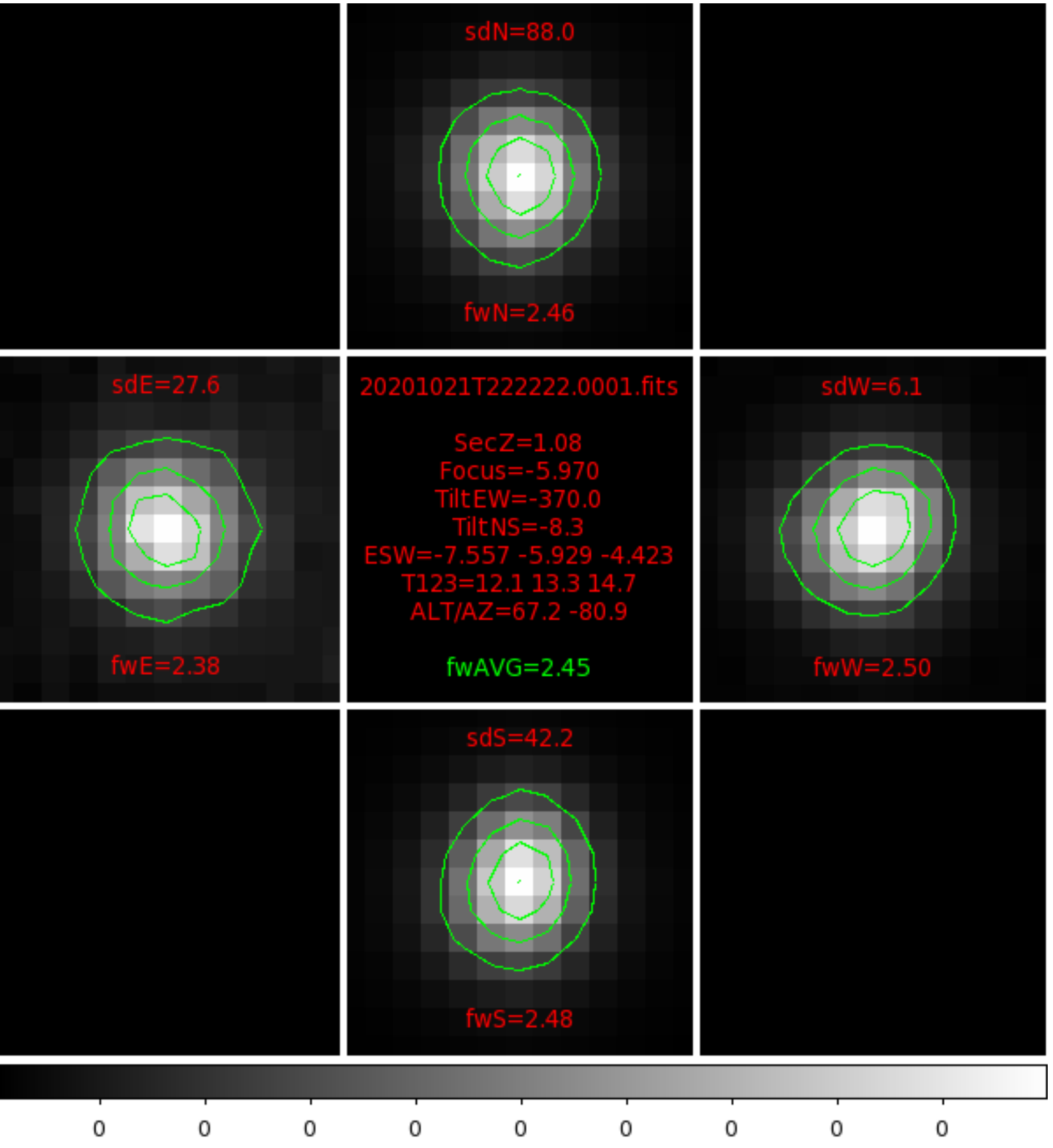
sdN=88.0
fwN=2.46
sdE=27.6
fwE=2.38
20201021T222222.0001.fits
SecZ=1.08
Focus=-5.970
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.557 -5.929 -4.423
T123=12.1 13.3 14.7
ALT/AZ=67.2 -80.9
fwAVG=2.45
sdW=6.1
fwW=2.50
sdS=42.2
fwS=2.48
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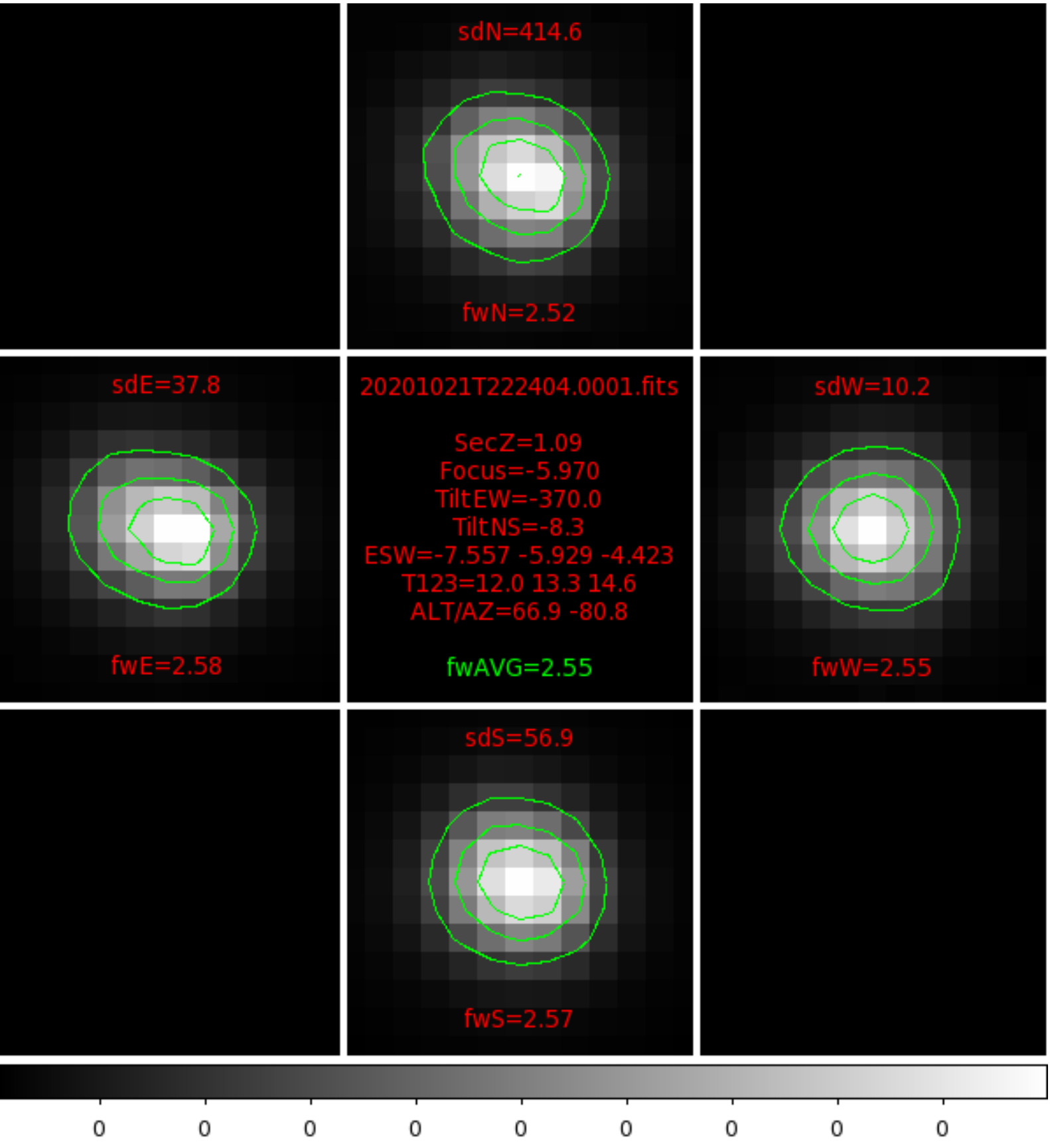
sdN=414.6
fwN=2.52
sdE=37.8
fwE=2.58
20201021T222404.0001.fits
SecZ=1.09
Focus=-5.970
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.557 -5.929 -4.423
T123=12.0 13.3 14.6
ALT/AZ=66.9 -80.8
fwAVG=2.55
sdW=10.2
fwW=2.55
sdS=56.9
fwS=2.57
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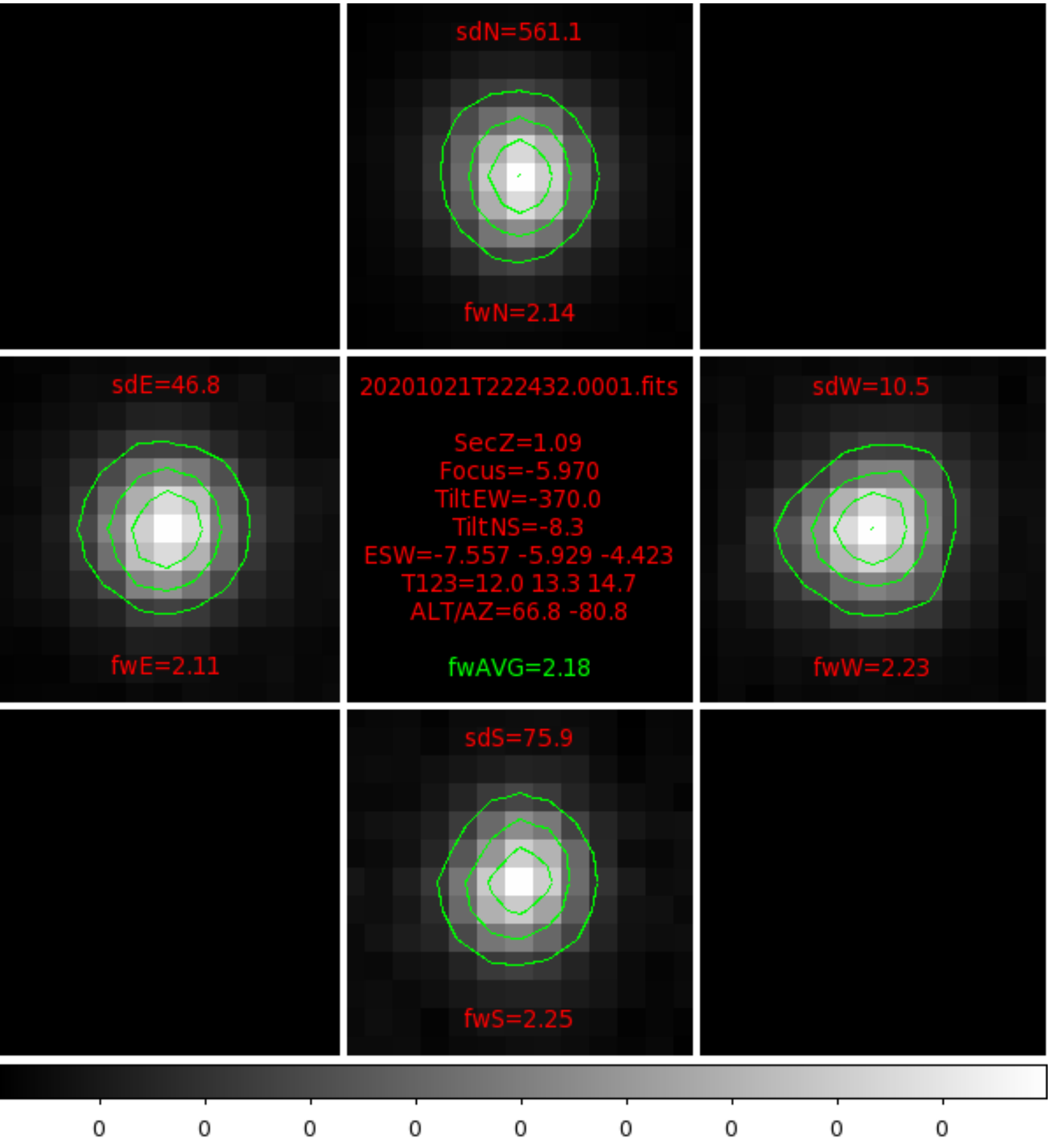
sdN=561.1
fwN=2.14
sdE=46.8
fwE=2.11
20201021T222432.0001.fits
SecZ=1.09
Focus=-5.970
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.557 -5.929 -4.423
T123=12.0 13.3 14.7
ALT/AZ=66.8 -80.8
fwAVG=2.18
sdW=10.5
fwW=2.23
sdS=75.9
fwS=2.25
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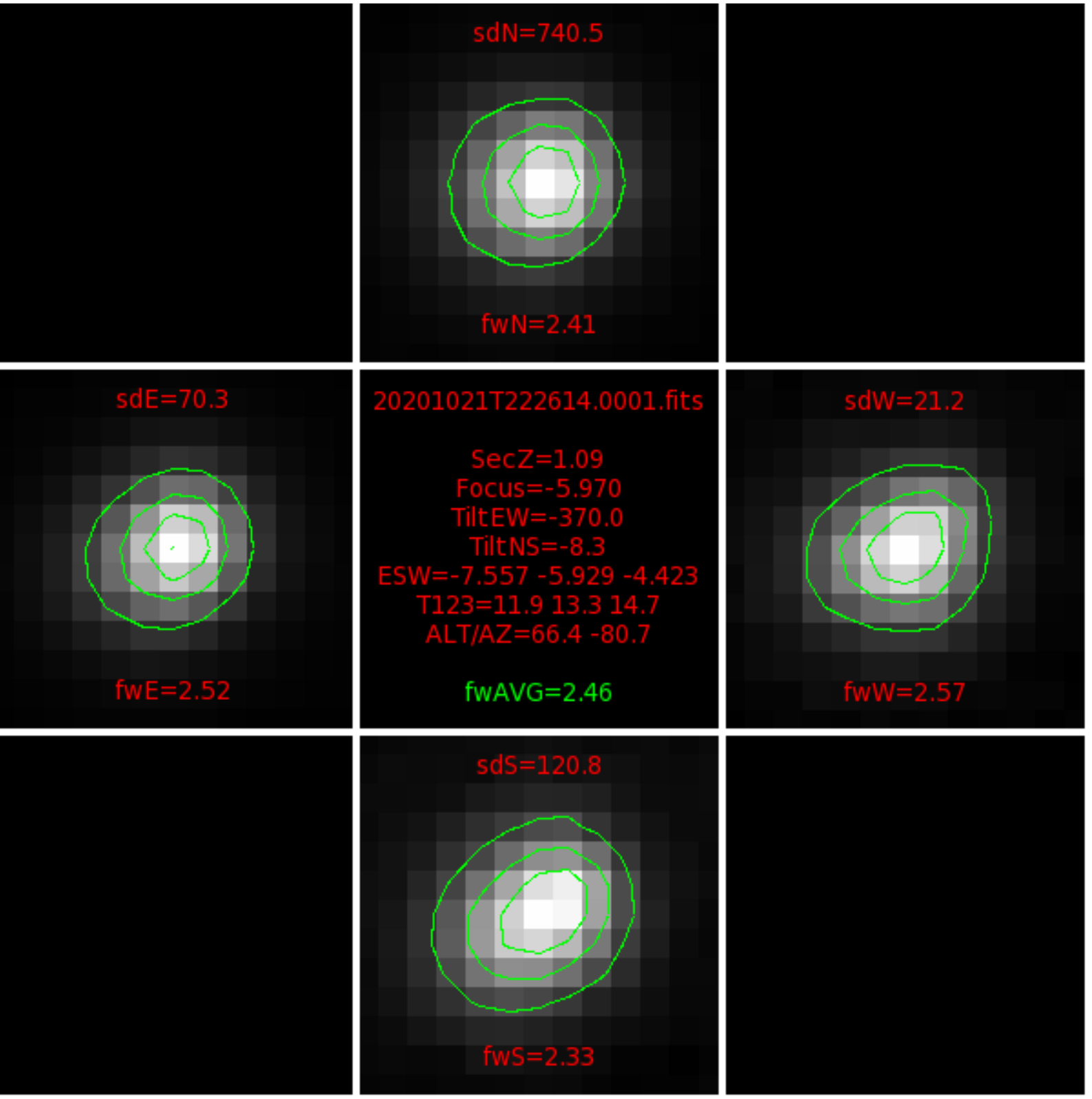
sdN=740.5
fwN=2.41
sdE=70.3
fwE=2.52
20201021T222614.0001.fits
SecZ=1.09
Focus=-5.970
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.557 -5.929 -4.423
T123=11.9 13.3 14.7
ALT/AZ=66.4 -80.7
fwAVG=2.46
sdW=21.2
fwW=2.57
sdS=120.8
fwS=2.33
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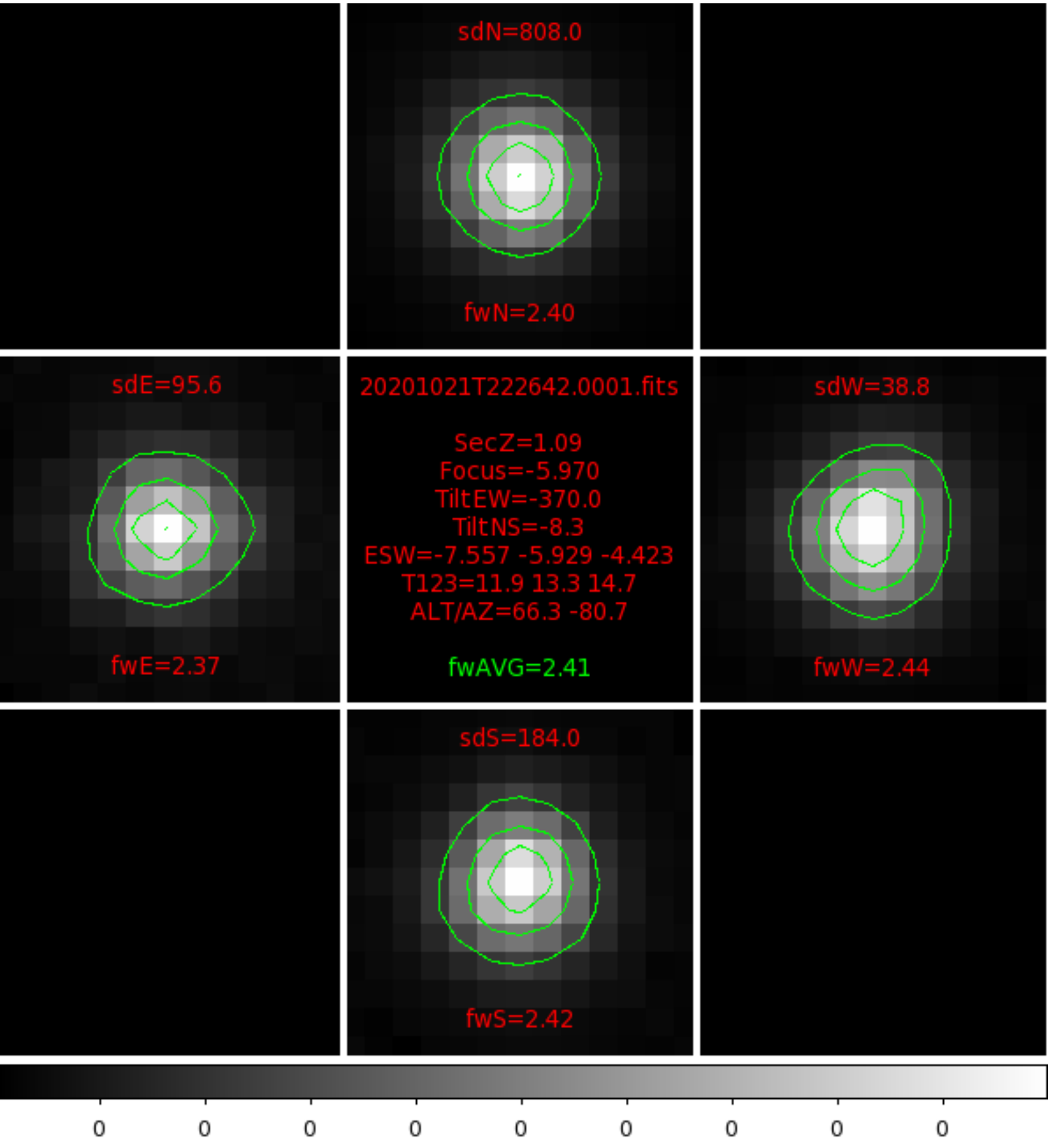
sdN=808.0
fwN=2.40
sdE=95.6
fwE=2.37
20201021T222642.0001.fits
SecZ=1.09
Focus=-5.970
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.557 -5.929 -4.423
T123=11.9 13.3 14.7
ALT/AZ=66.3 -80.7
fwAVG=2.41
sdW=38.8
fwW=2.44
sdS=184.0
fwS=2.42
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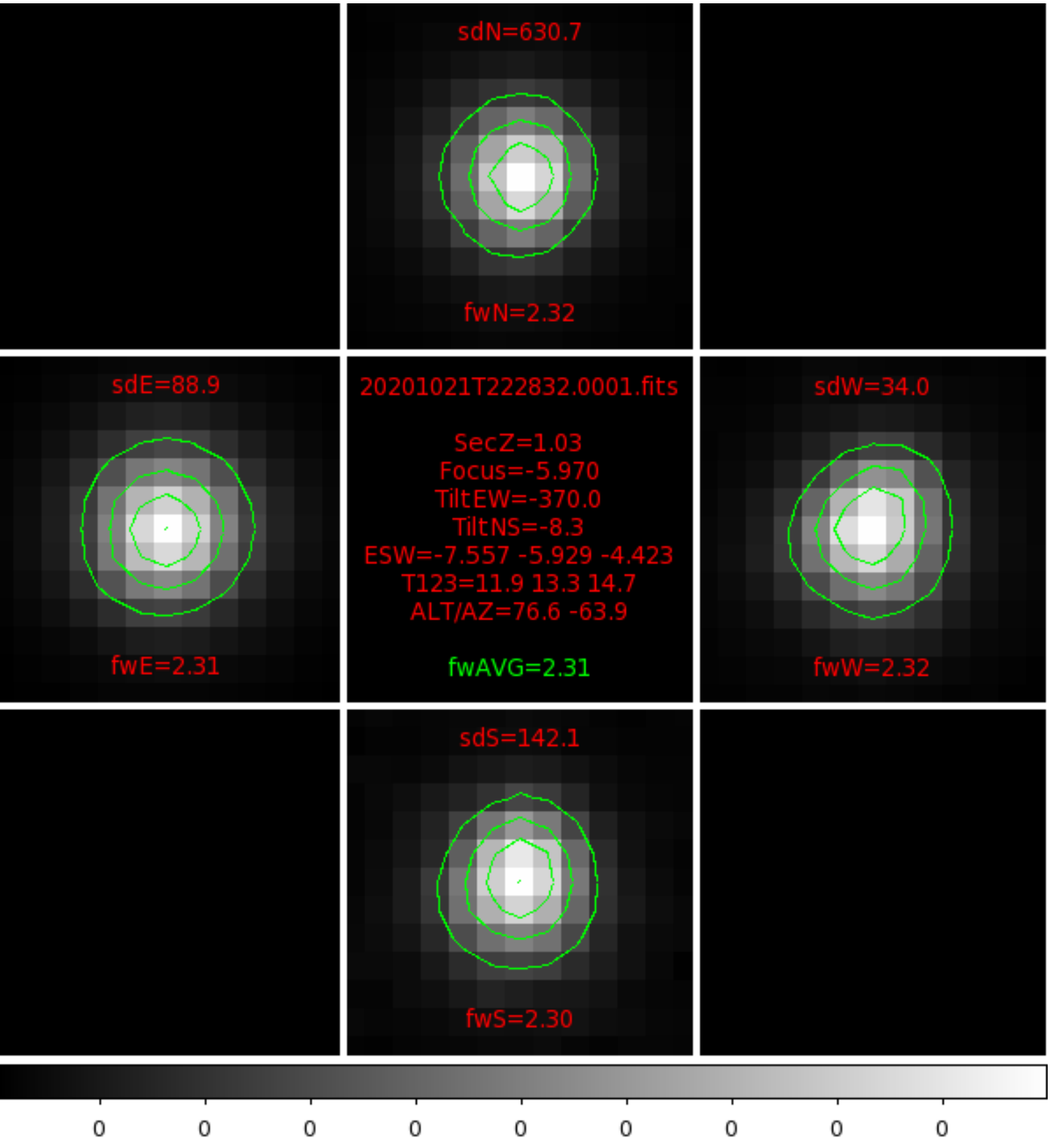
sdN=630.7
fwN=2.32
sdE=88.9
fwE=2.31
20201021T222832.0001.fits
SecZ=1.03
Focus=-5.970
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.557 -5.929 -4.423
T123=11.9 13.3 14.7
ALT/AZ=76.6 -63.9
fwAVG=2.31
sdW=34.0
fwW=2.32
sdS=142.1
fwS=2.30
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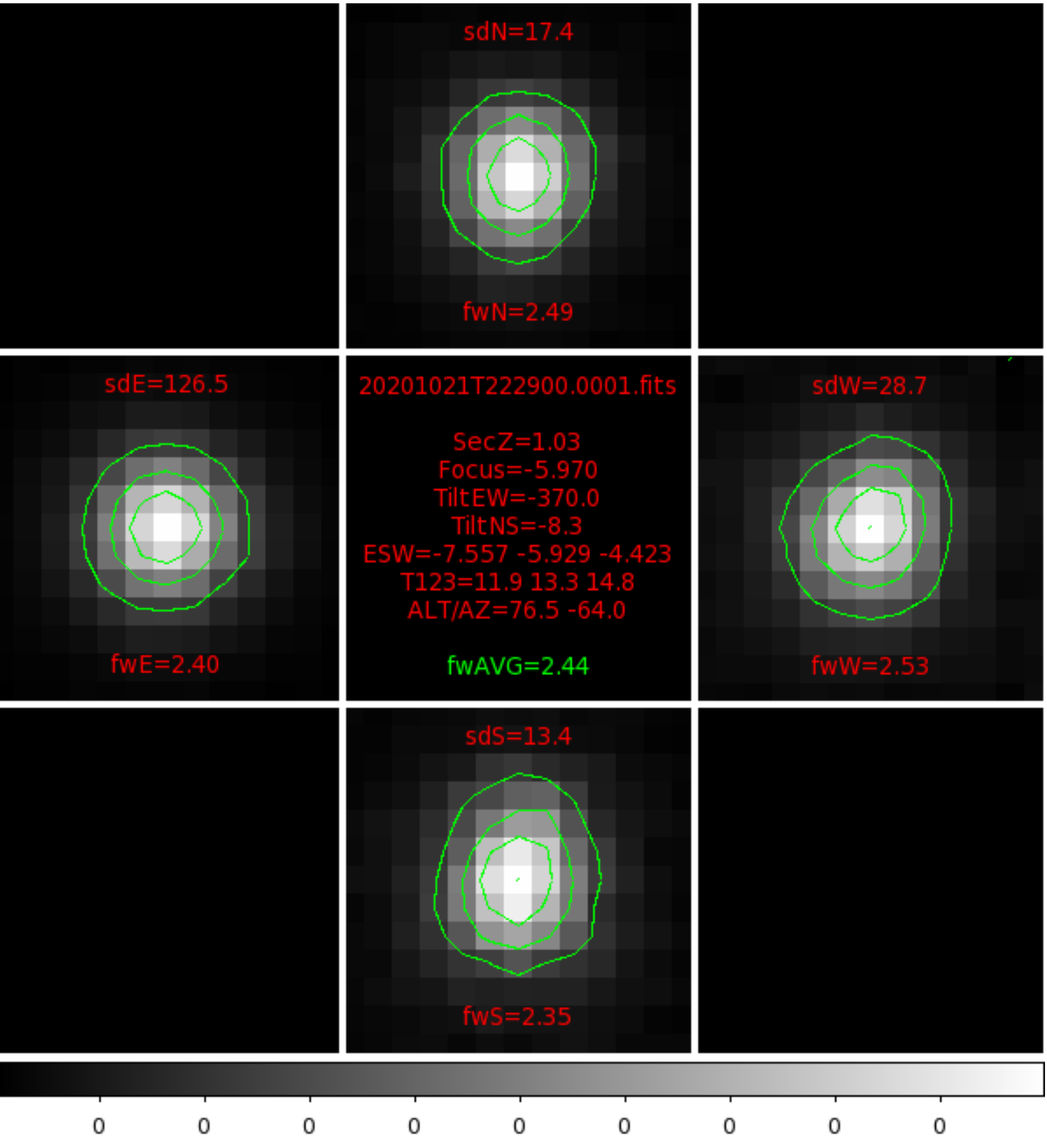
sdN=17.4
fwN=2.49
sdE=126.5
fwE=2.40
20201021T222900.0001.fits
SecZ=1.03
Focus=-5.970
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.557 -5.929 -4.423
T123=11.9 13.3 14.8
ALT/AZ=76.5 -64.0
fwAVG=2.44
sdW=28.7
fwW=2.53
sdS=13.4
fwS=2.35
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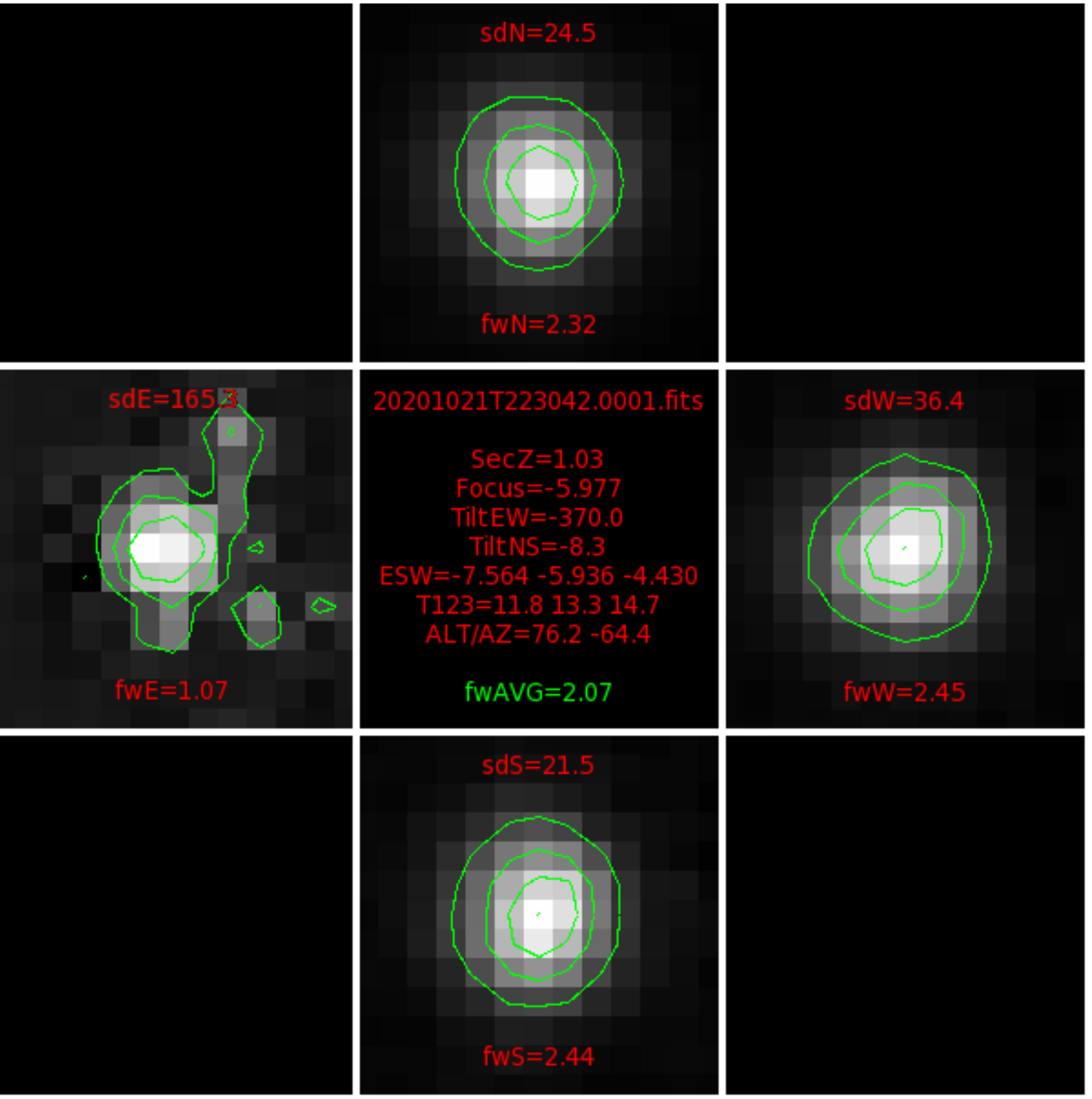
sdN=24.5
fwN=2.32
sdE=165.3
fwE=1.07
20201021T223042.0001.fits
SecZ=1.03
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=11.8 13.3 14.7
ALT/AZ=76.2 -64.4
fwAVG=2.07
sdW=36.4
fwW=2.45
sdS=21.5
fwS=2.44
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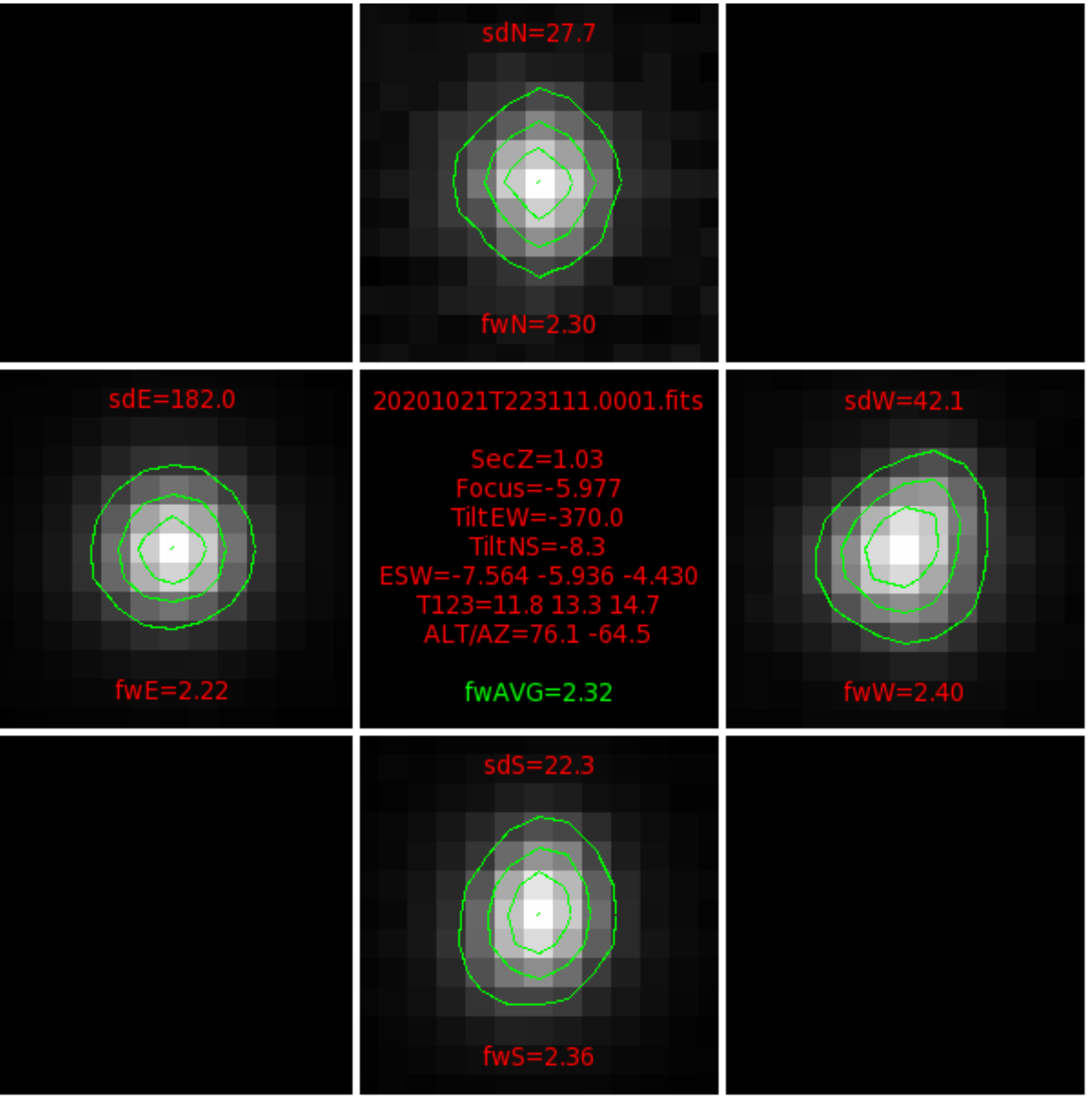
sdN=27.7
fwN=2.30
sdE=182.0
fwE=2.22
20201021T223111.0001.fits
SecZ=1.03
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=11.8 13.3 14.7
ALT/AZ=76.1 -64.5
fwAVG=2.32
sdW=42.1
fwW=2.40
sdS=22.3
fwS=2.36
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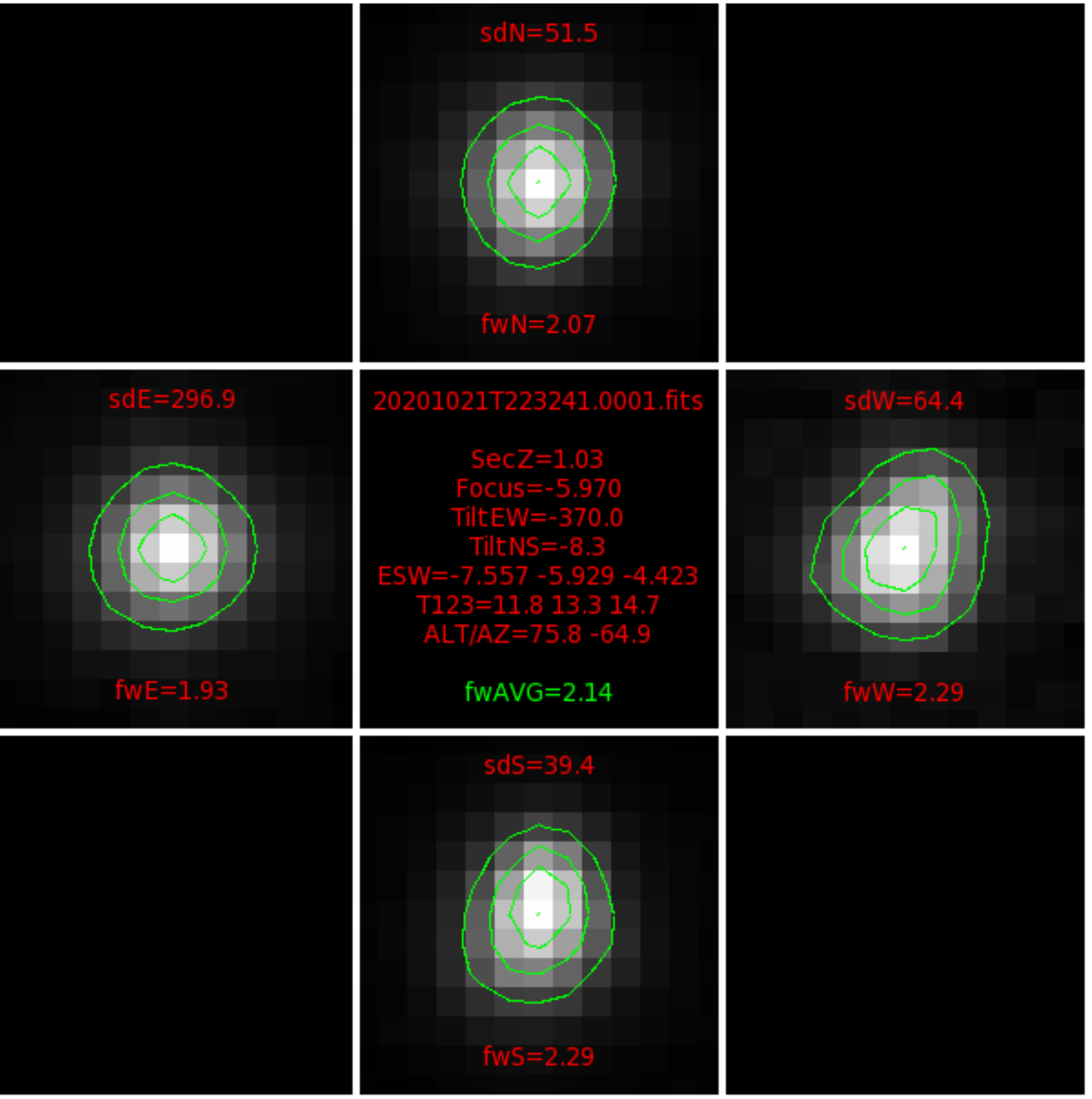
sdN=51.5
fwN=2.07
sdE=296.9
fwE=1.93
20201021T223241.0001.fits
SecZ=1.03
Focus=-5.970
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.557 -5.929 -4.423
T123=11.8 13.3 14.7
ALT/AZ=75.8 -64.9
fwAVG=2.14
sdW=64.4
fwW=2.29
sdS=39.4
fwS=2.29
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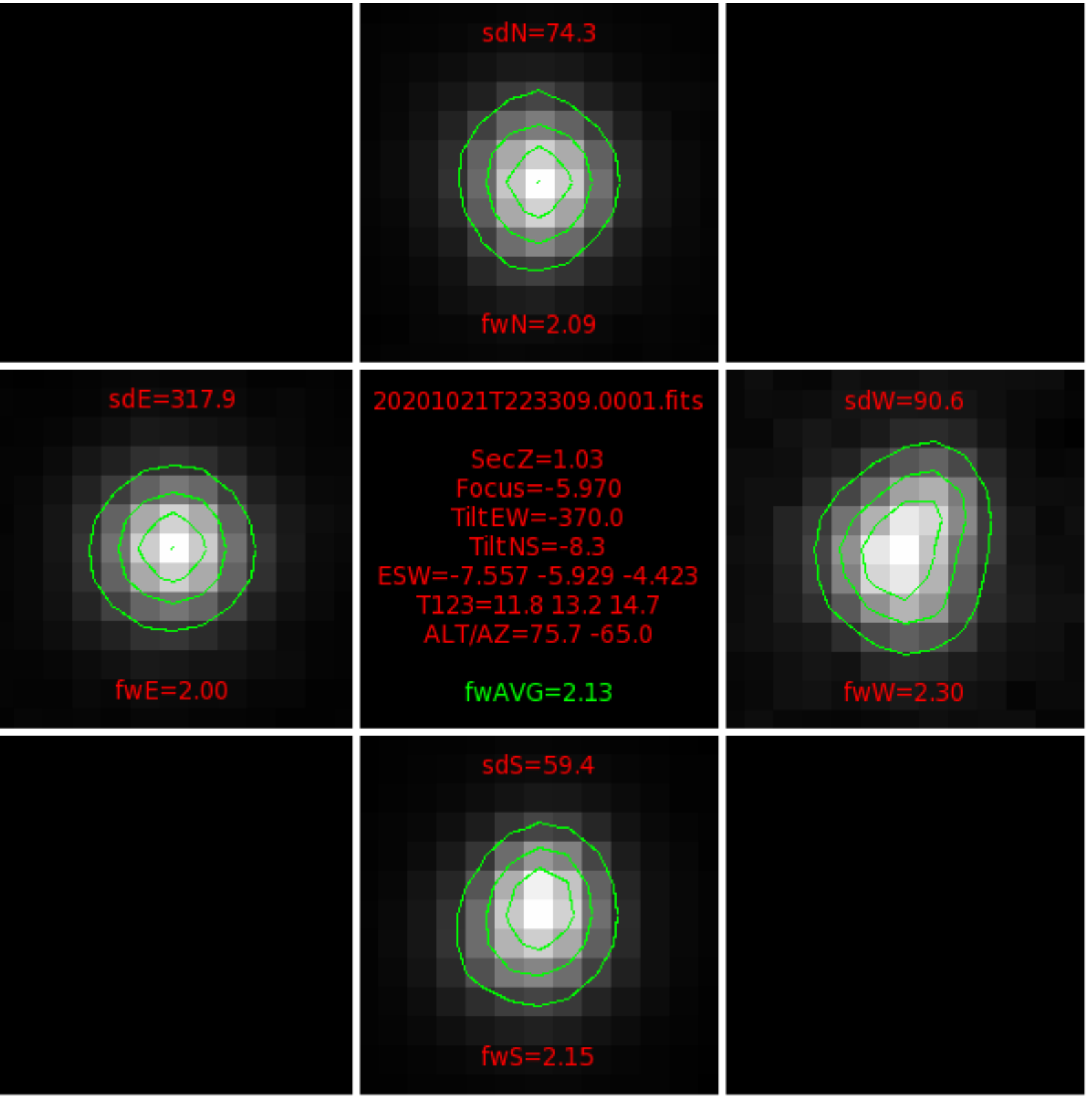
sdN=74.3
fwN=2.09
sdE=317.9
fwE=2.00
20201021T223309.0001.fits
SecZ=1.03
Focus=-5.970
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.557 -5.929 -4.423
T123=11.8 13.2 14.7
ALT/AZ=75.7 -65.0
fwAVG=2.13
sdW=90.6
fwW=2.30
sdS=59.4
fwS=2.15
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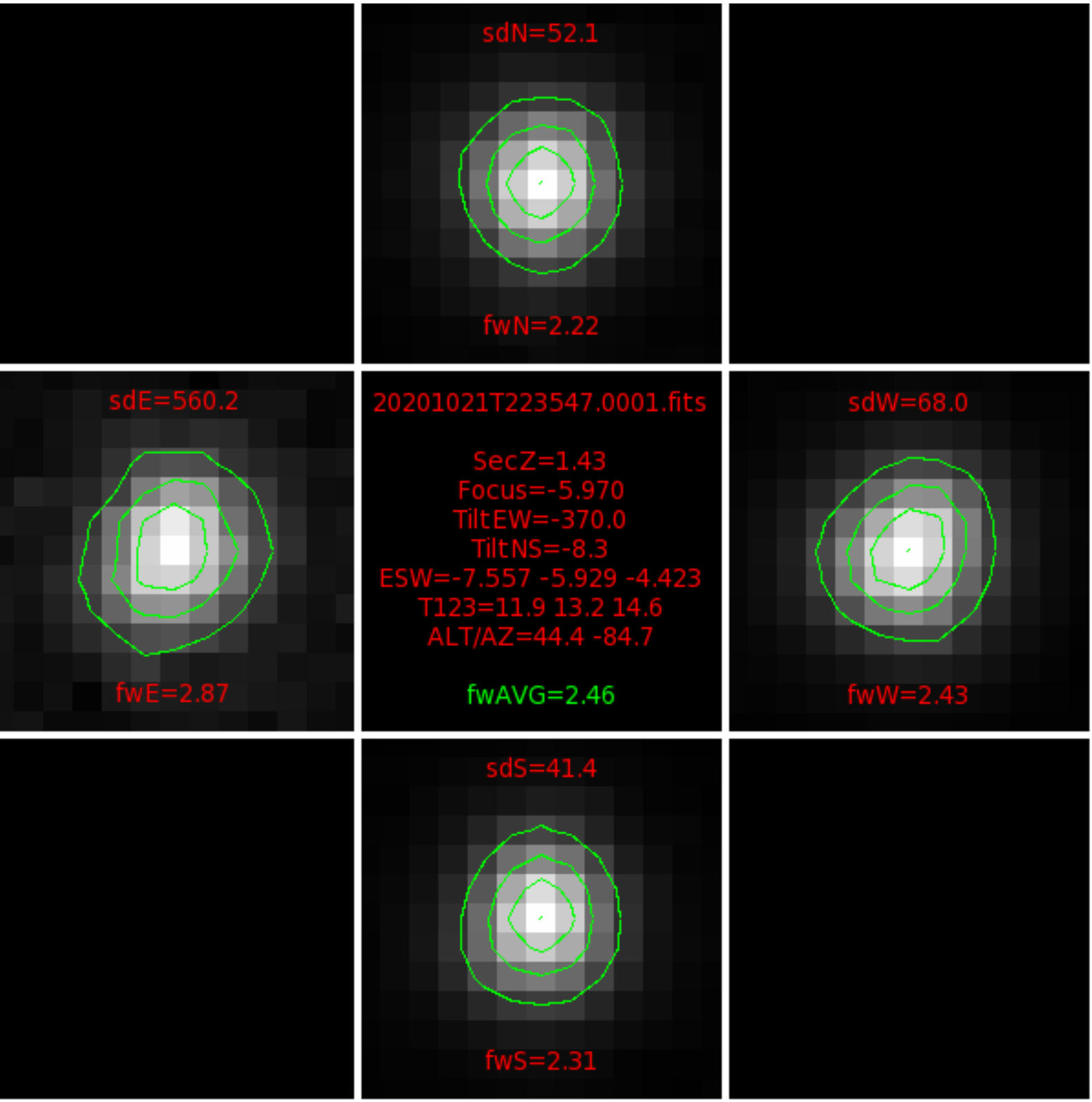
sdN=52.1
fwN=2.22
sdE=560.2
fwE=2.87
20201021T223547.0001.fits
SecZ=1.43
Focus=-5.970
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.557 -5.929 -4.423
T123=11.9 13.2 14.6
ALT/AZ=44.4 -84.7
fwAVG=2.46
sdW=68.0
fwW=2.43
sdS=41.4
fwS=2.31
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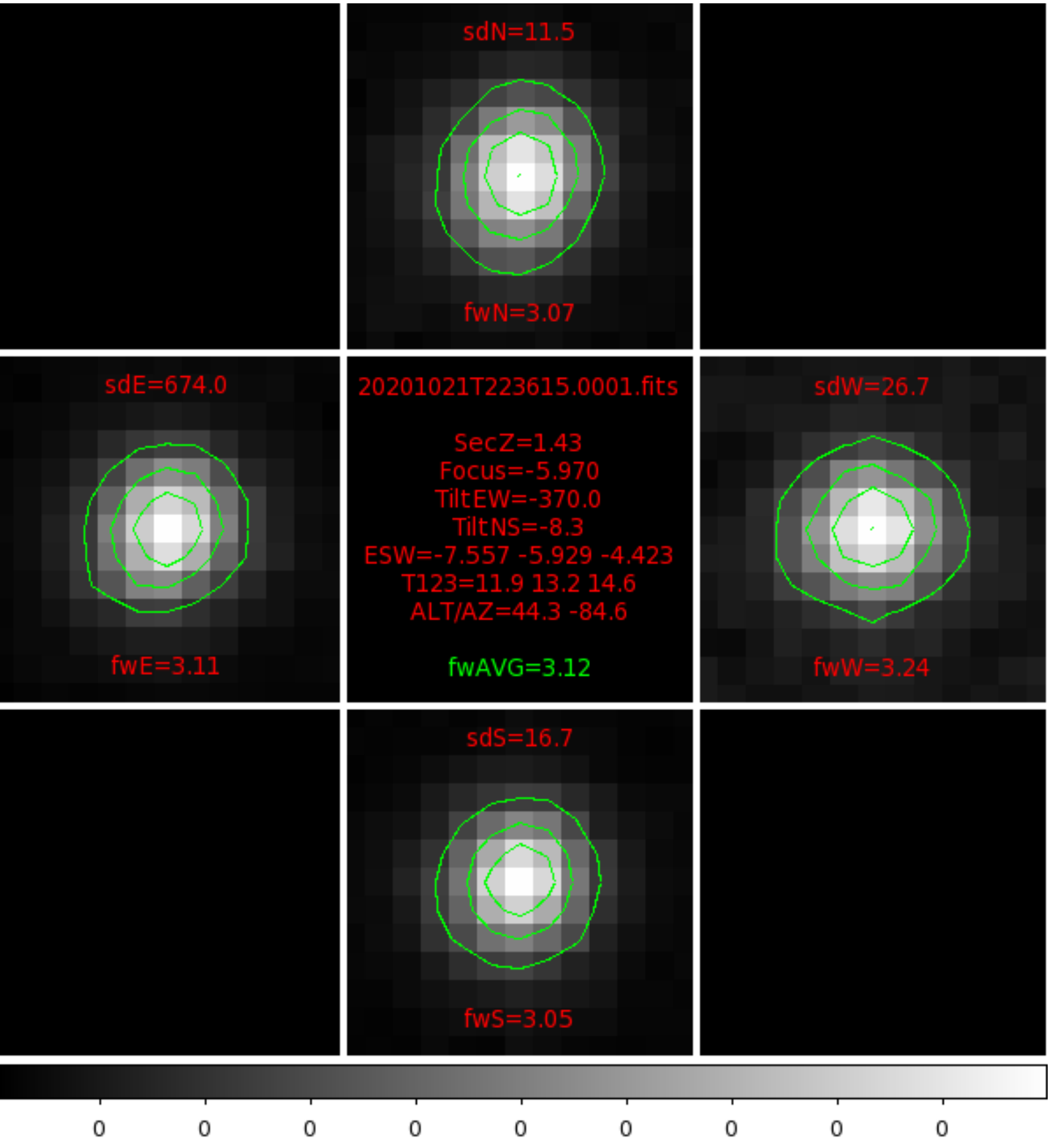
sdN=11.5
fwN=3.07
sdE=674.0
fwE=3.11
20201021T223615.0001.fits
SecZ=1.43
Focus=-5.970
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.557 -5.929 -4.423
T123=11.9 13.2 14.6
ALT/AZ=44.3 -84.6
fwAVG=3.12
sdW=26.7
fwW=3.24
sdS=16.7
fwS=3.05
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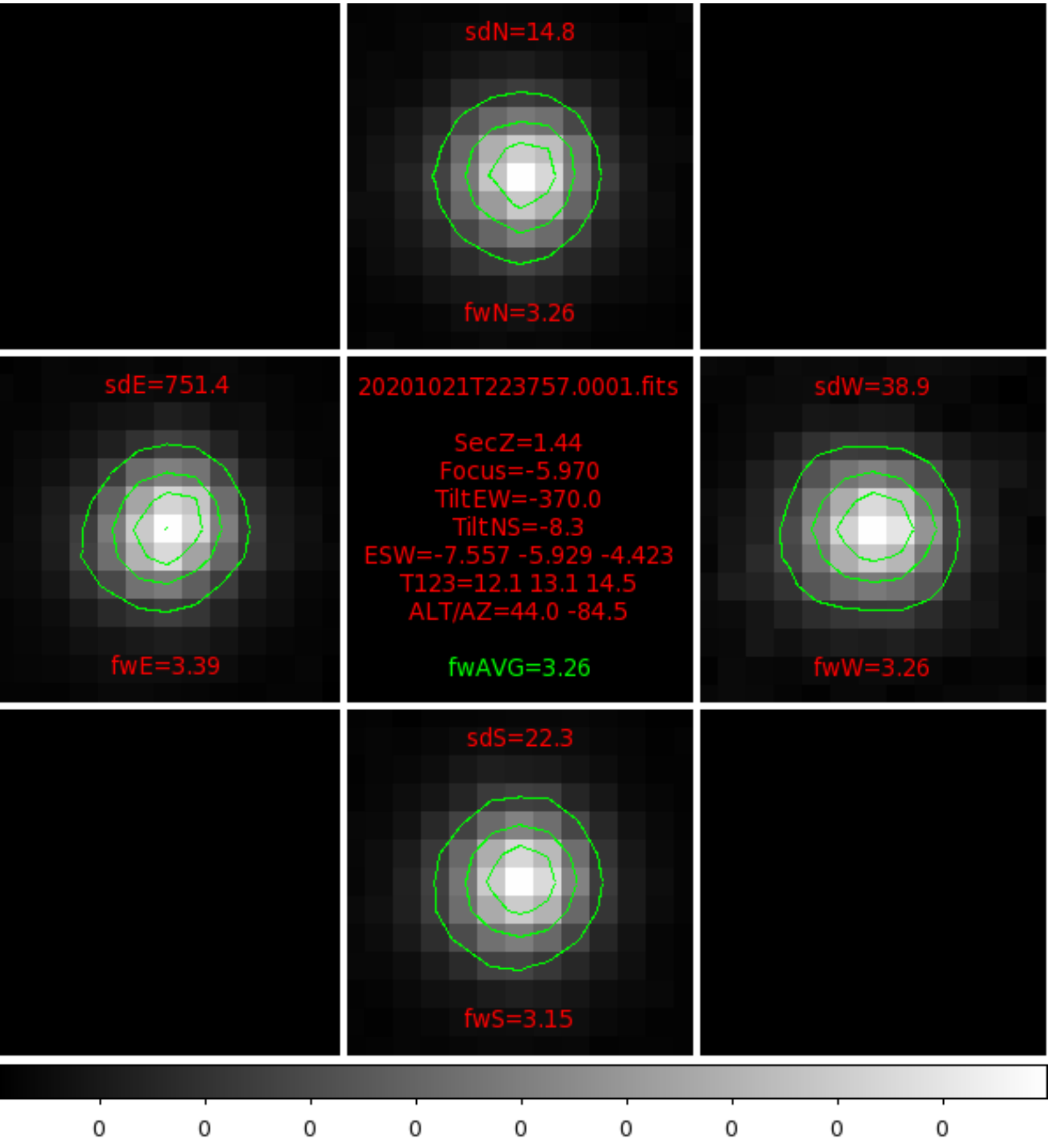
sdN=14.8
fwN=3.26
sdE=751.4
fwE=3.39
20201021T223757.0001.fits
SecZ=1.44
Focus=-5.970
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.557 -5.929 -4.423
T123=12.1 13.1 14.5
ALT/AZ=44.0 -84.5
fwAVG=3.26
sdW=38.9
fwW=3.26
sdS=22.3
fwS=3.15
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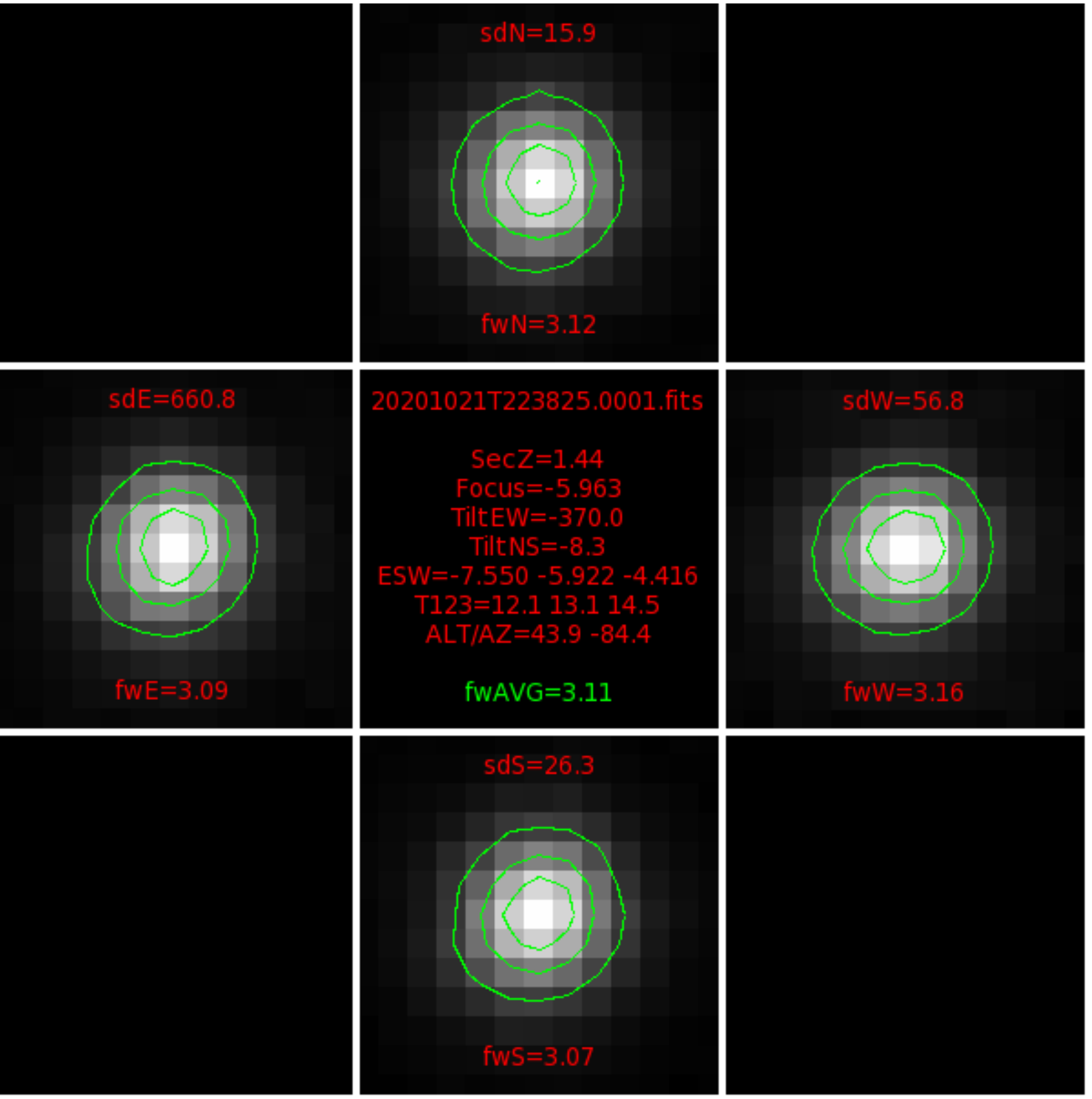
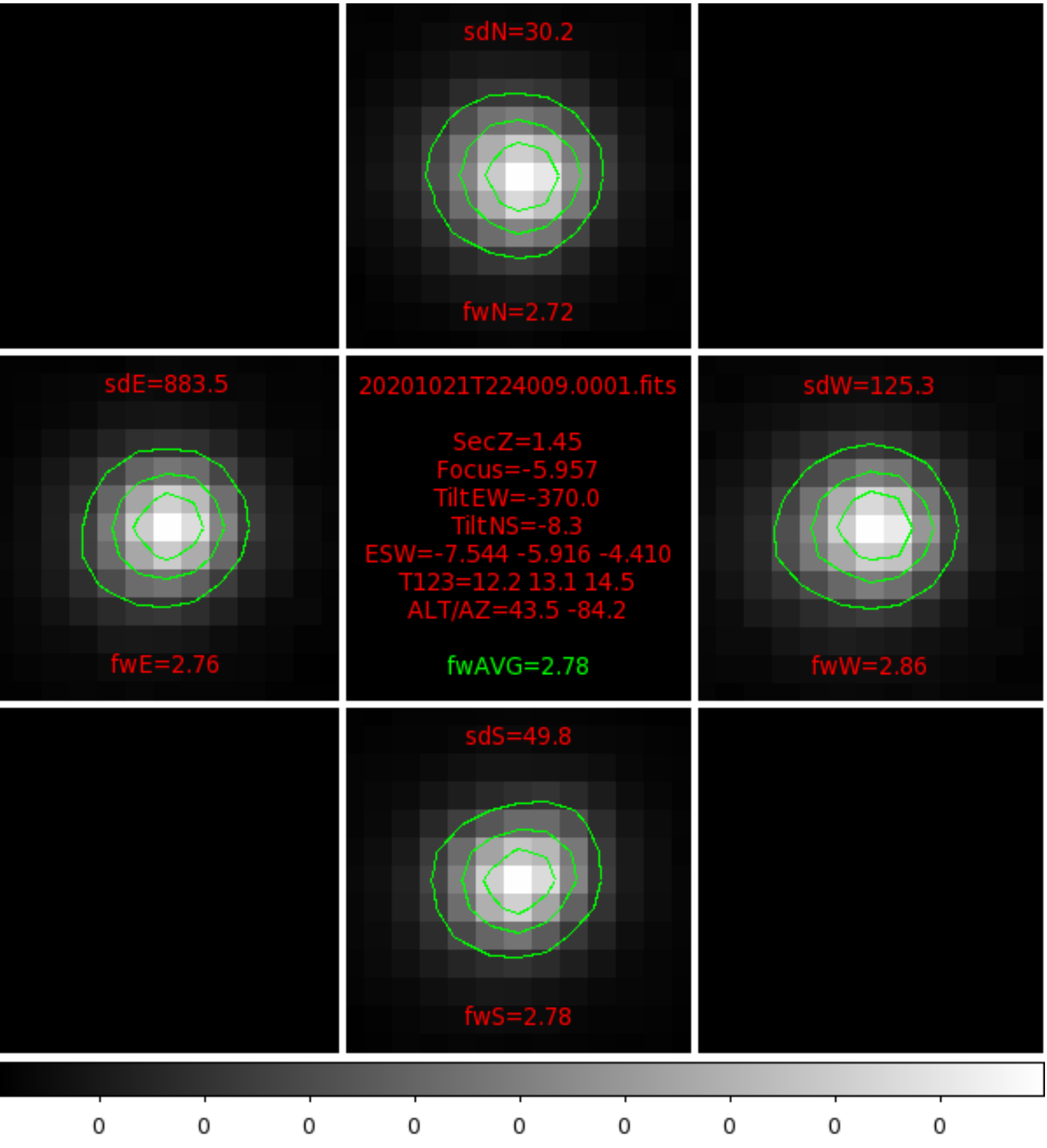

sdN=15.9
fwN=3.12
sdE=660.8
fwE=3.09
20201021T223825.0001.fits
SecZ=1.44
Focus=-5.963
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.550 -5.922 -4.416
T123=12.1 13.1 14.5
ALT/AZ=43.9 -84.4
fwAVG=3.11
sdW=56.8
fwW=3.16
sdS=26.3
fwS=3.07
0 0 0 0 0 0 0 0 0


sdN=30.2
fwN=2.72
sdE=883.5
fwE=2.76
20201021T224009.0001.fits
SecZ=1.45
Focus=-5.957
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.544 -5.916 -4.410
T123=12.2 13.1 14.5
ALT/AZ=43.5 -84.2
fwAVG=2.78
sdW=125.3
fwW=2.86
sdS=49.8
fwS=2.78
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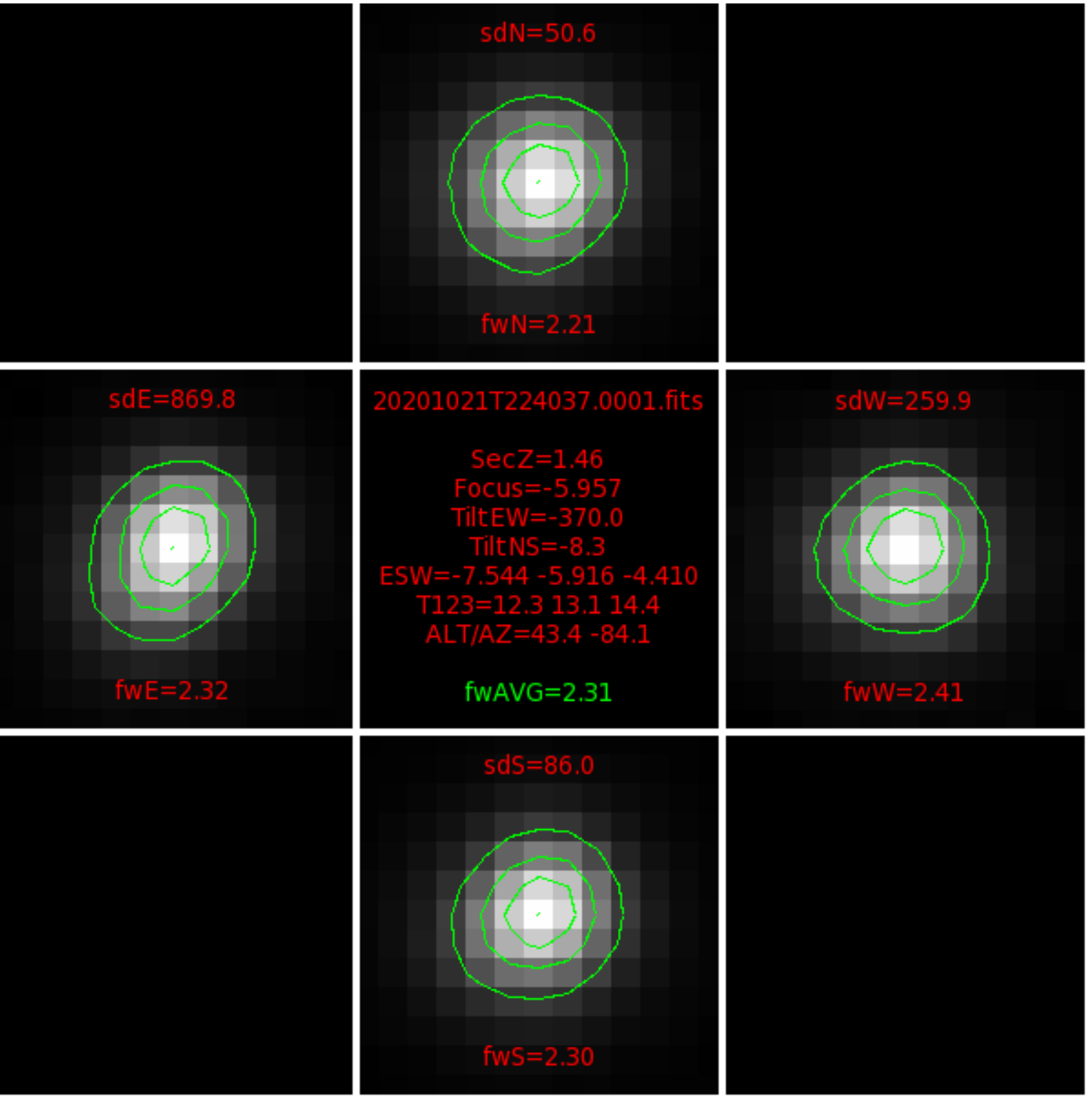
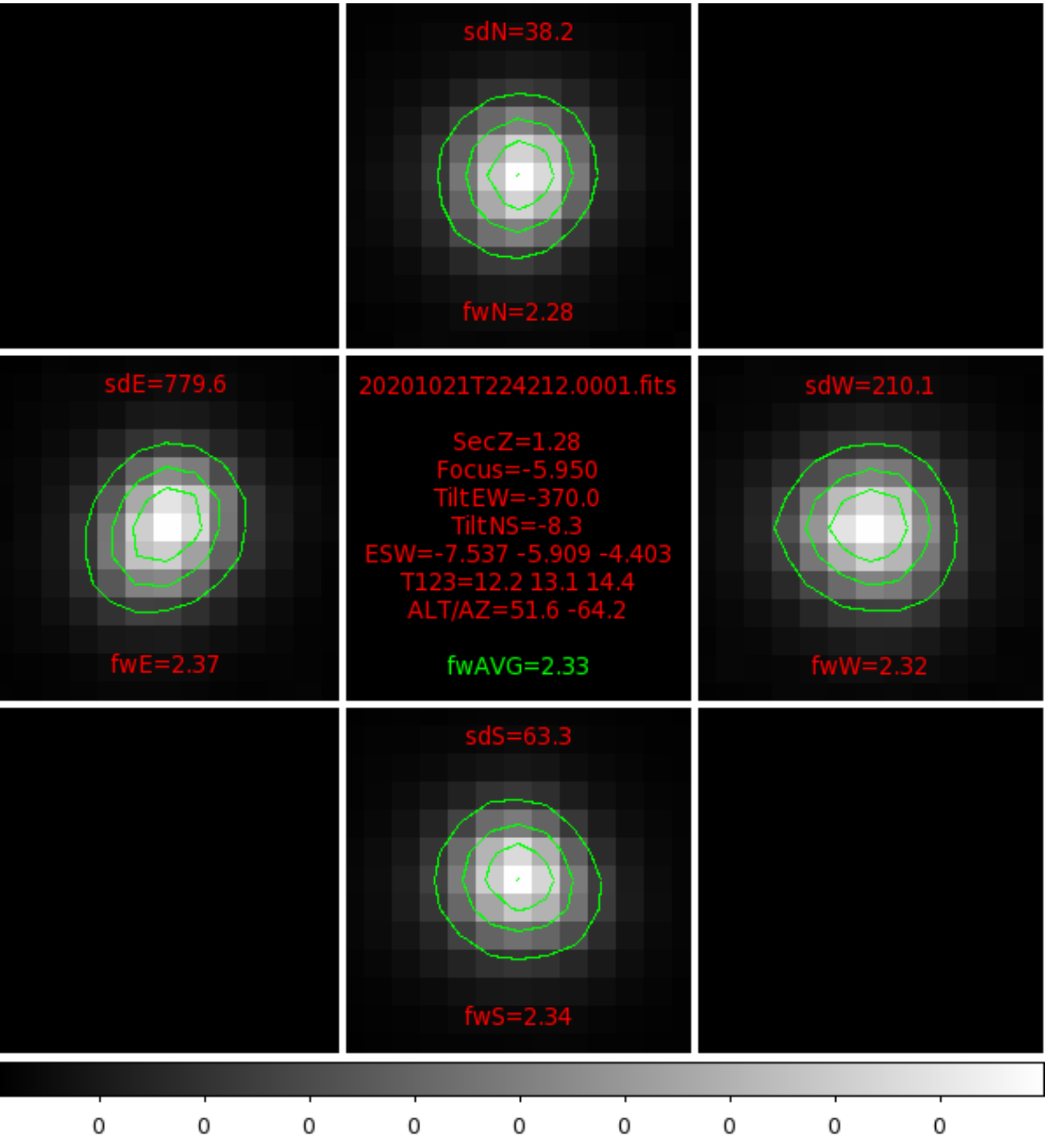

sdN=50.6
fwN=2.21
sdE=869.8
fwE=2.32
20201021T224037.0001.fits
SecZ=1.46
Focus=-5.957
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.544 -5.916 -4.410
T123=12.3 13.1 14.4
ALT/AZ=43.4 -84.1
fwAVG=2.31
sdW=259.9
fwW=2.41
sdS=86.0
fwS=2.30
0 0 0 0 0 0 0 0 0


sdN=38.2
fwN=2.28
sdE=779.6
fwE=2.37
20201021T224212.0001.fits
SecZ=1.28
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.2 13.1 14.4
ALT/AZ=51.6 -64.2
fwAVG=2.33
sdW=210.1
fwW=2.32
sdS=63.3
fwS=2.34
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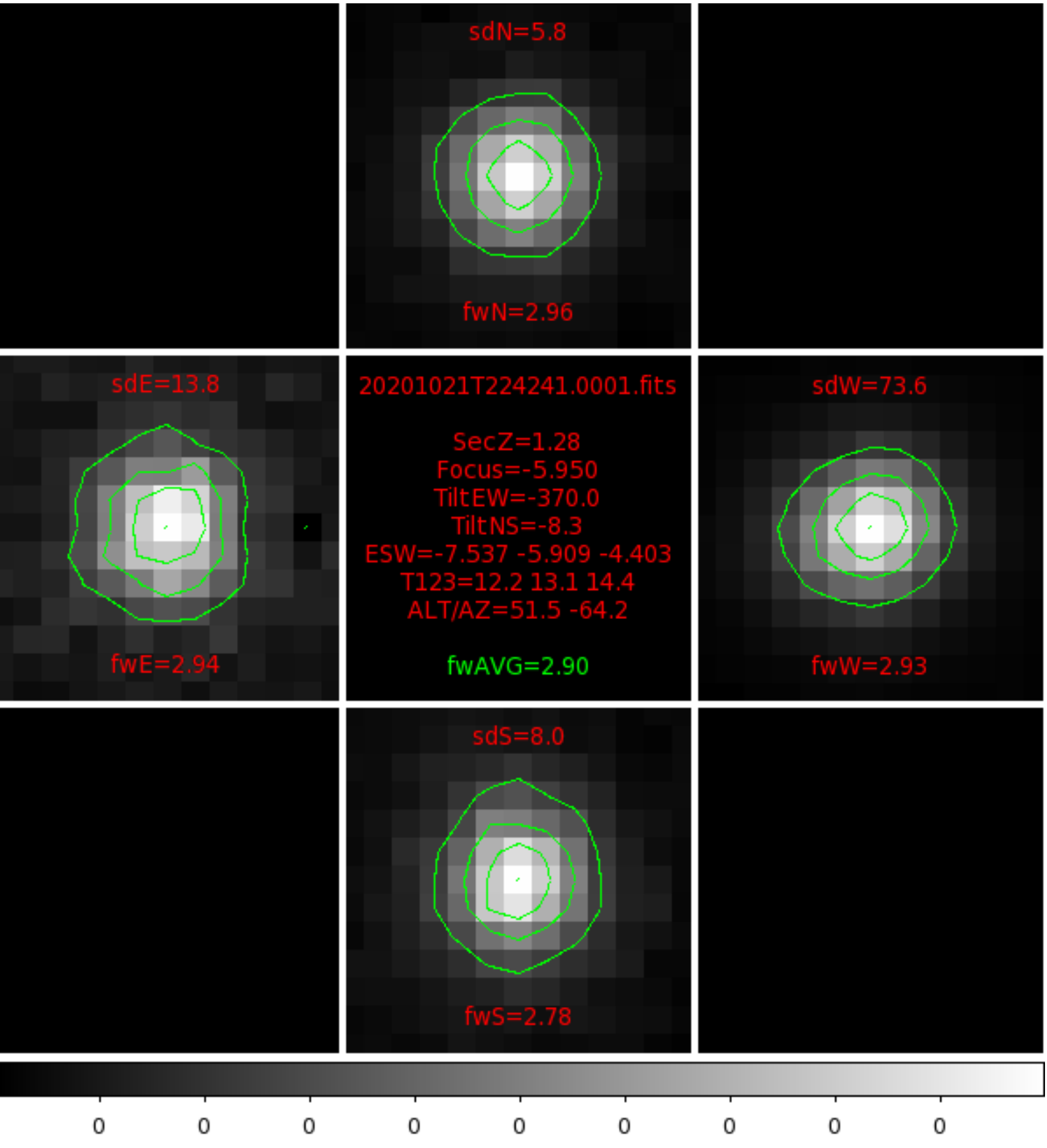
sdN=5.8
fwN=2.96
sdE=13.8
fwE=2.94
20201021T224241.0001.fits
SecZ=1.28
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.2 13.1 14.4
ALT/AZ=51.5 -64.2
fwAVG=2.90
sdW=73.6
fwW=2.93
sdS=8.0
fwS=2.78
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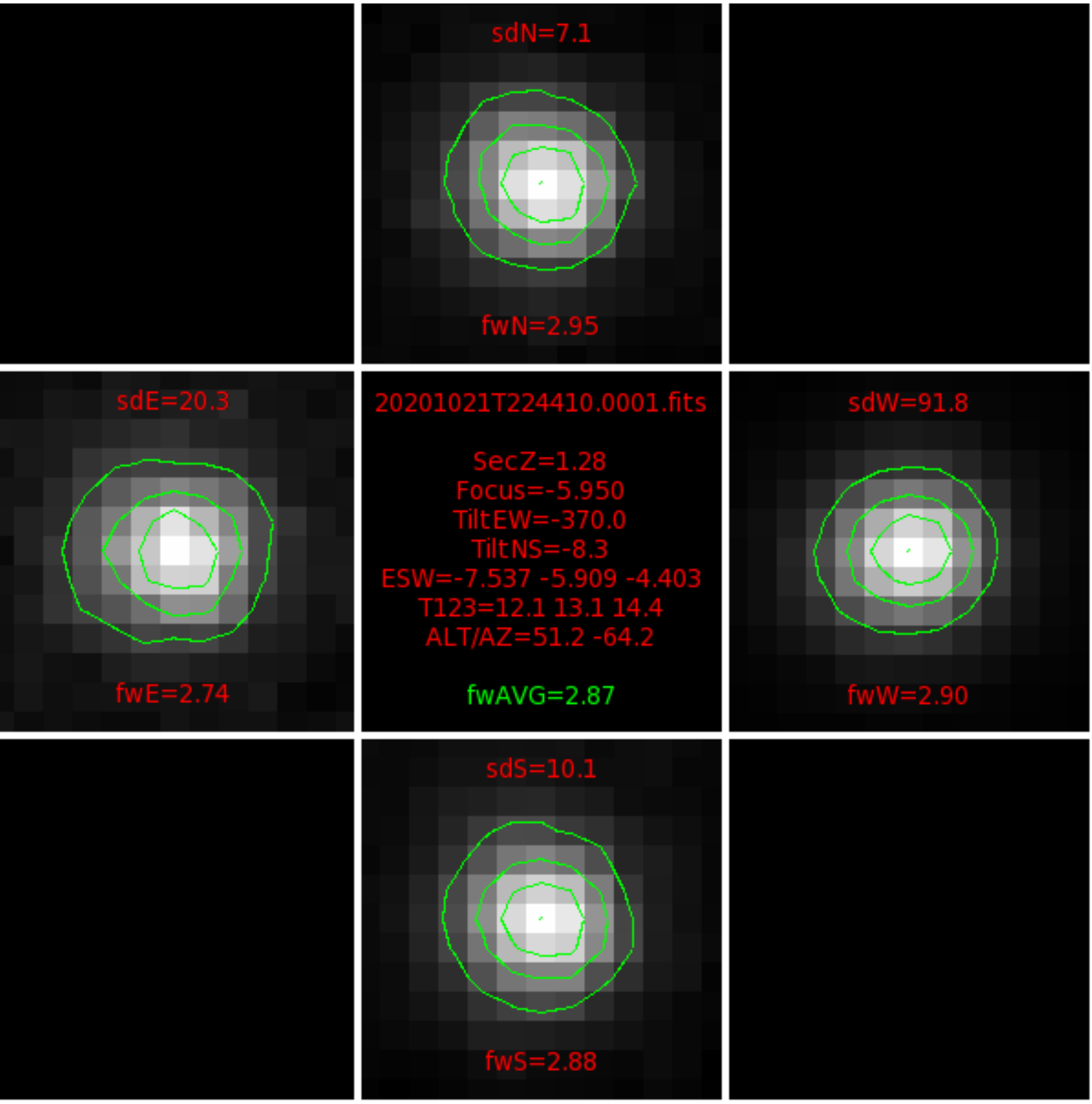
sdN=7.1
fwN=2.95
sdE=20.3
fwE=2.74
20201021T224410.0001.fits
SecZ=1.28
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.1 13.1 14.4
ALT/AZ=51.2 -64.2
fwAVG=2.87
sdW=91.8
fwW=2.90
sdS=10.1
fwS=2.88
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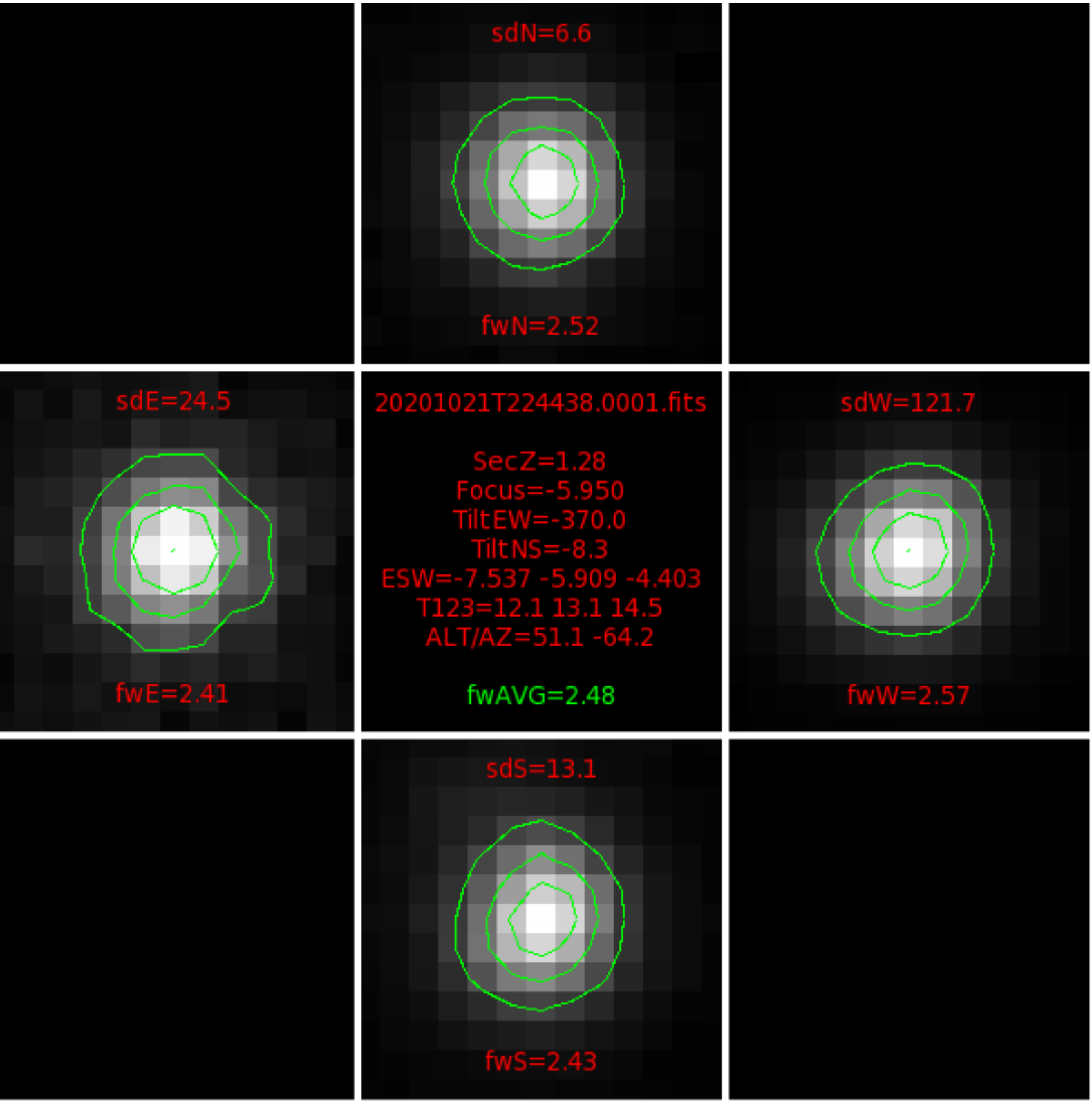
sdN=6.6
fwN=2.52
sdE=24.5
fwE=2.41
20201021T224438.0001.fits
SecZ=1.28
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.1 13.1 14.5
ALT/AZ=51.1 -64.2
fwAVG=2.48
sdW=121.7
fwW=2.57
sdS=13.1
fwS=2.43
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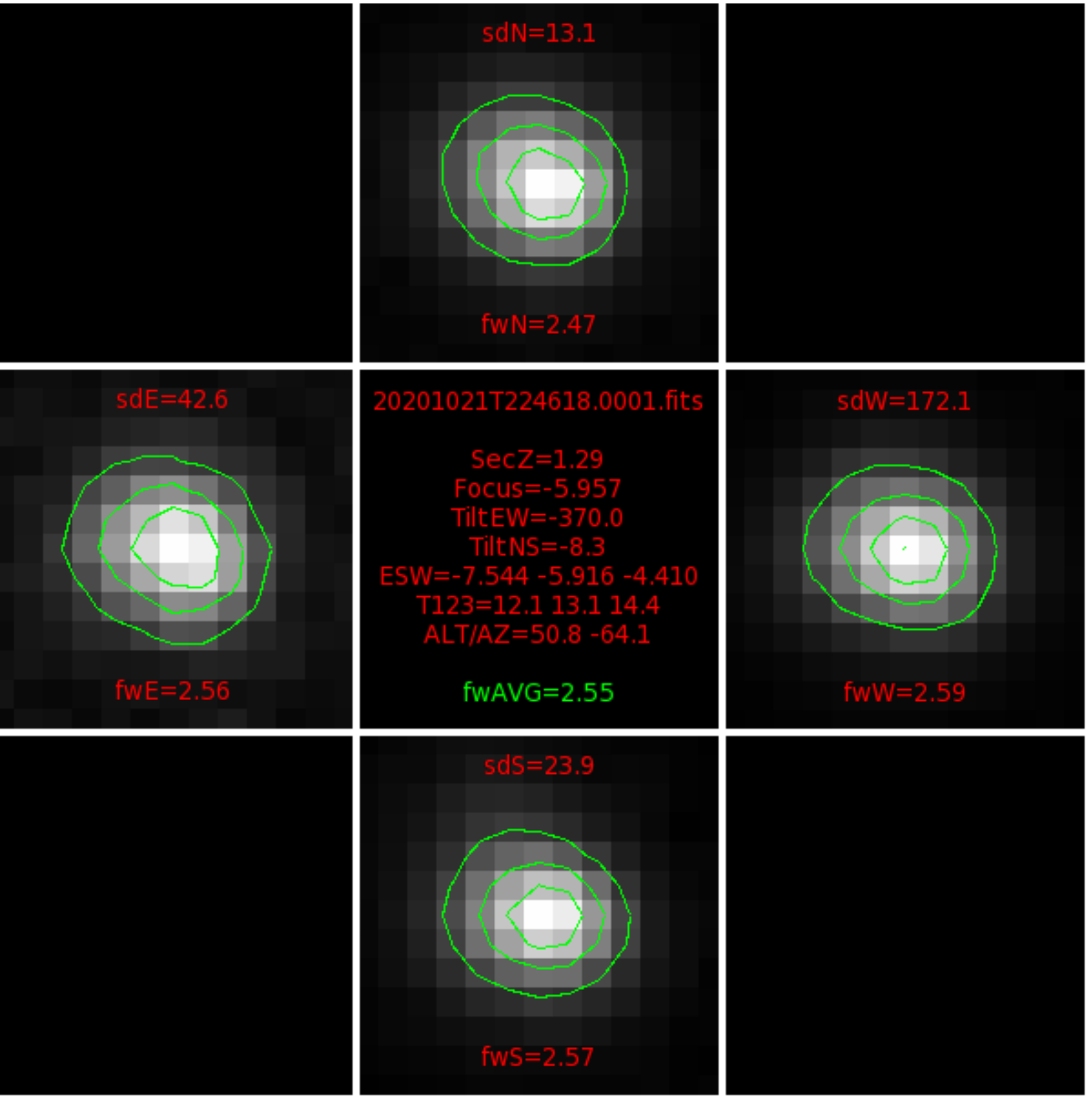
sdN=13.1
fwN=2.47
sdE=42.6
fwE=2.56
20201021T224618.0001.fits
SecZ=1.29
Focus=-5.957
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.544 -5.916 -4.410
T123=12.1 13.1 14.4
ALT/AZ=50.8 -64.1
fwAVG=2.55
sdW=172.1
fwW=2.59
sdS=23.9
fwS=2.57
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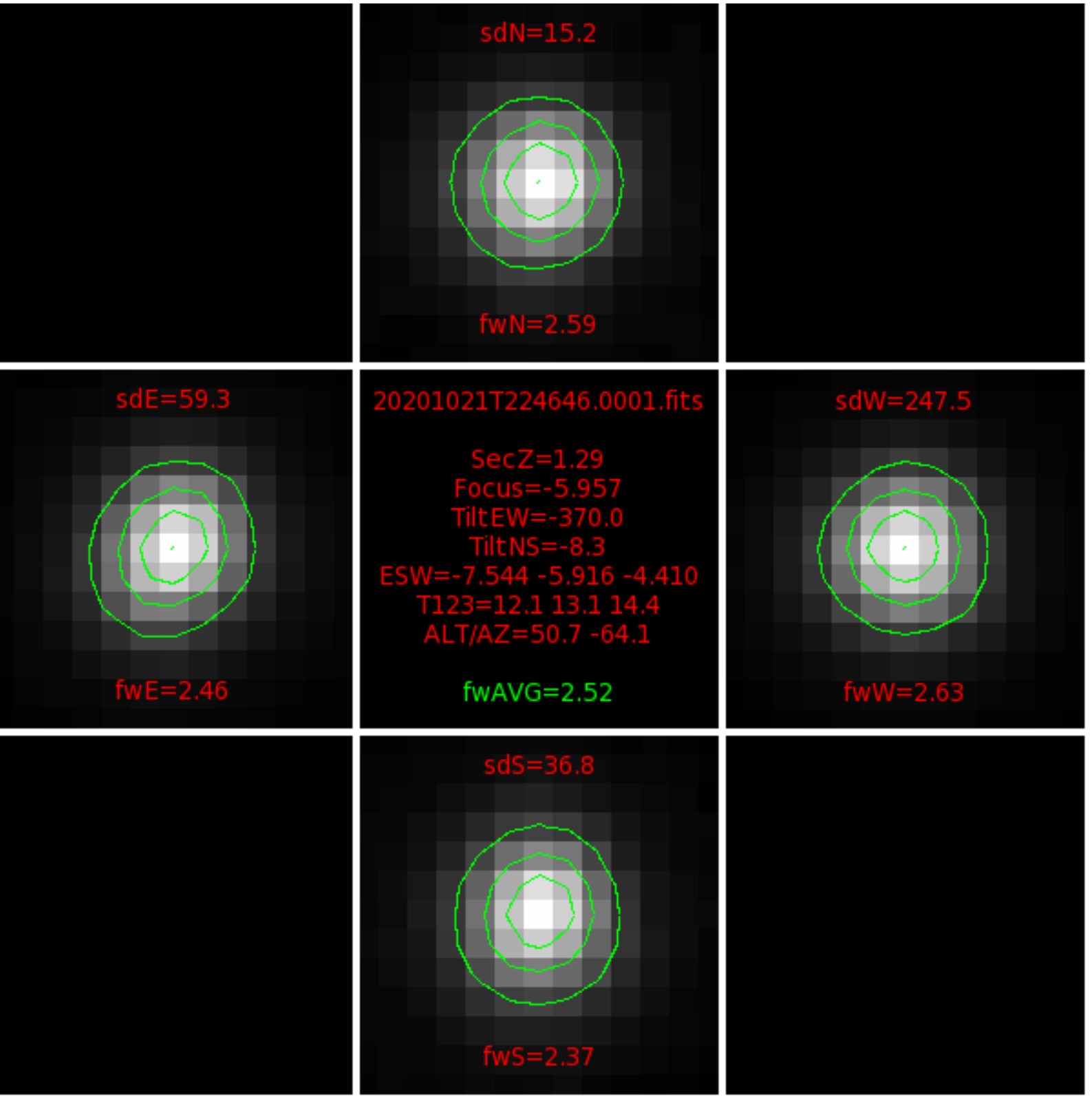
sdN=15.2
fwN=2.59
sdE=59.3
fwE=2.46
20201021T224646.0001.fits
SecZ=1.29
Focus=-5.957
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.544 -5.916 -4.410
T123=12.1 13.1 14.4
ALT/AZ=50.7 -64.1
fwAVG=2.52
sdW=247.5
fwW=2.63
sdS=36.8
fwS=2.37
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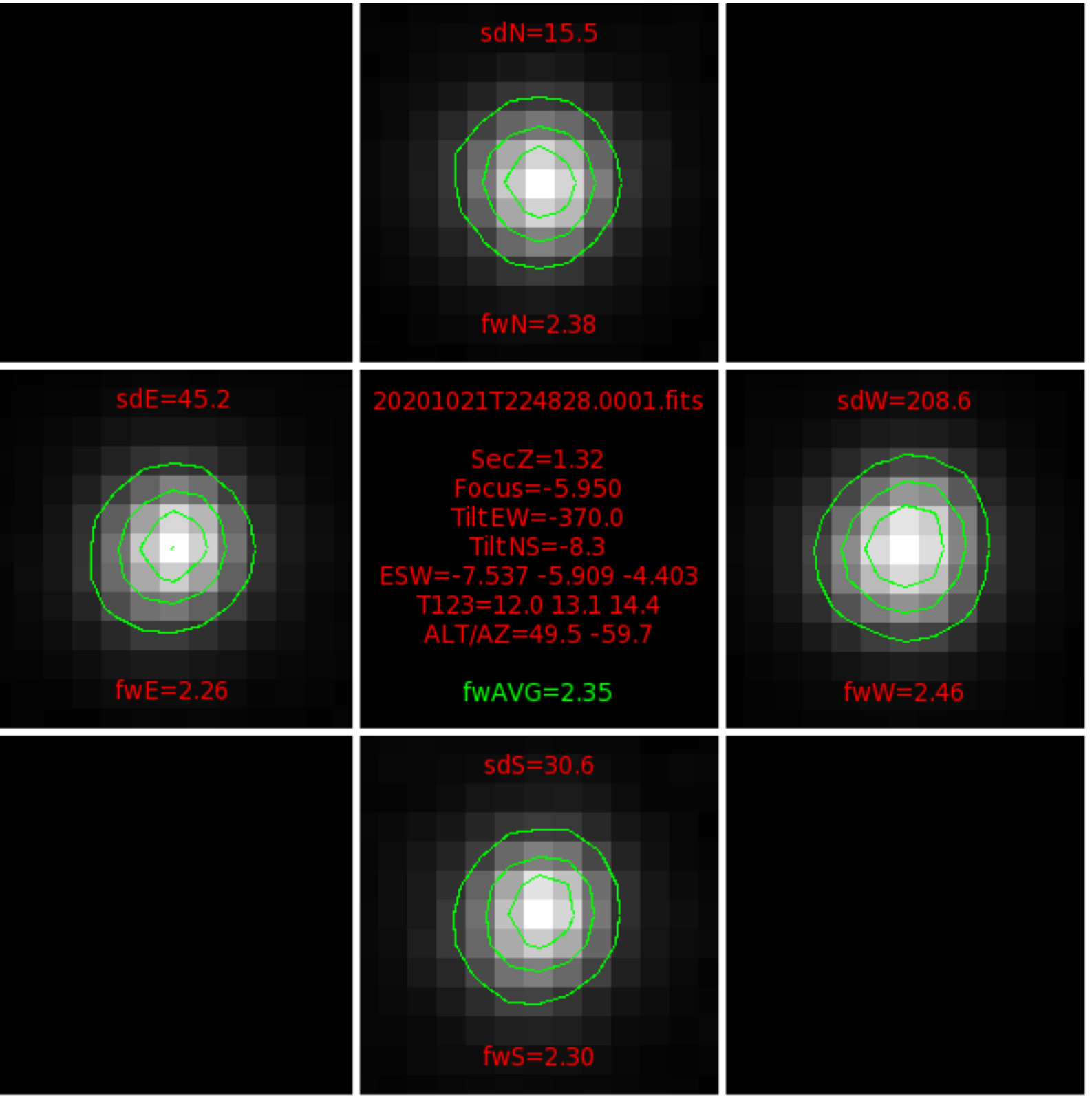
sdN=15.5
fwN=2.38
sdE=45.2
fwE=2.26
20201021T224828.0001.fits
SecZ=1.32
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.0 13.1 14.4
ALT/AZ=49.5 -59.7
fwAVG=2.35
sdW=208.6
fwW=2.46
sdS=30.6
fwS=2.30
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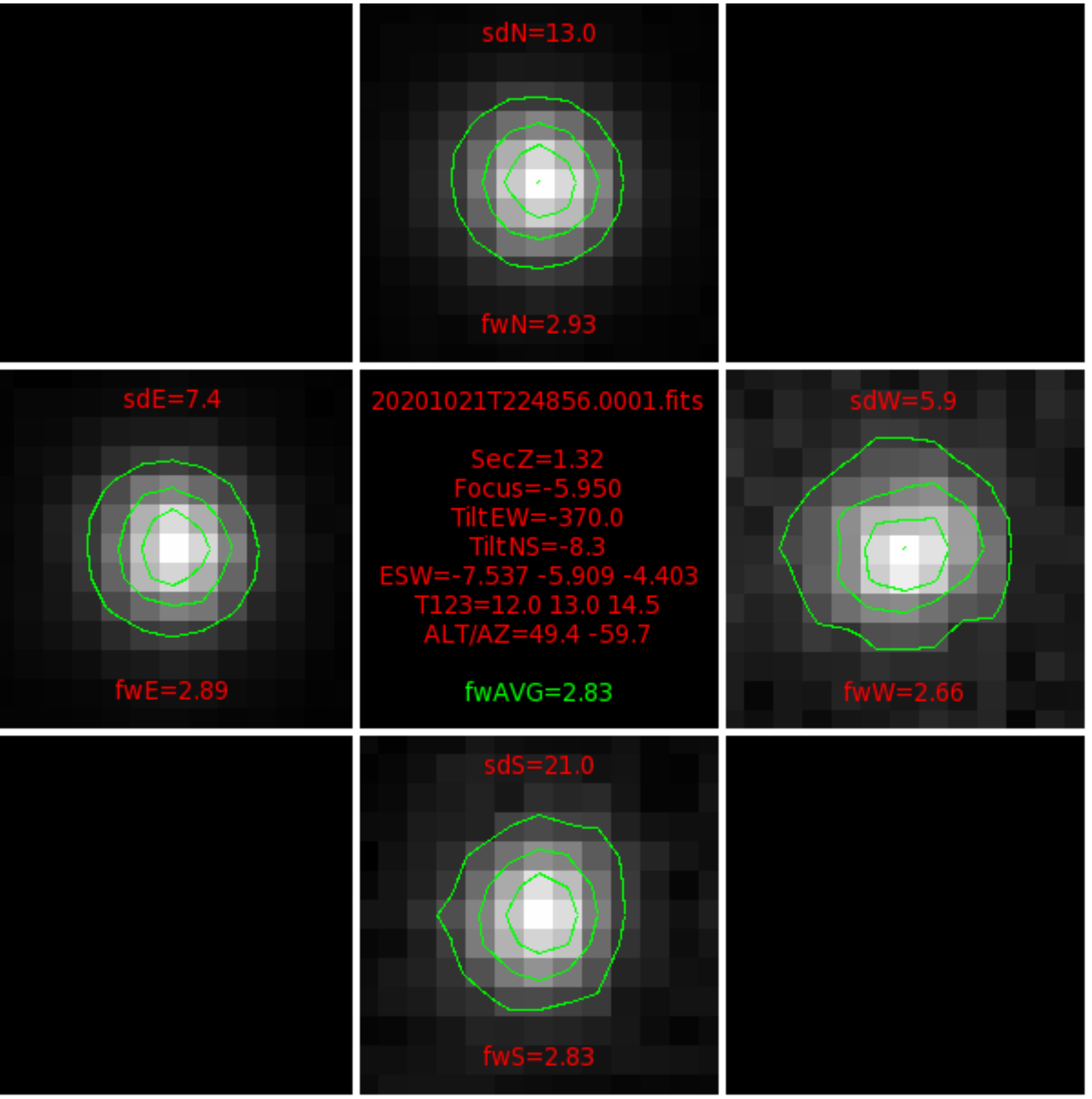
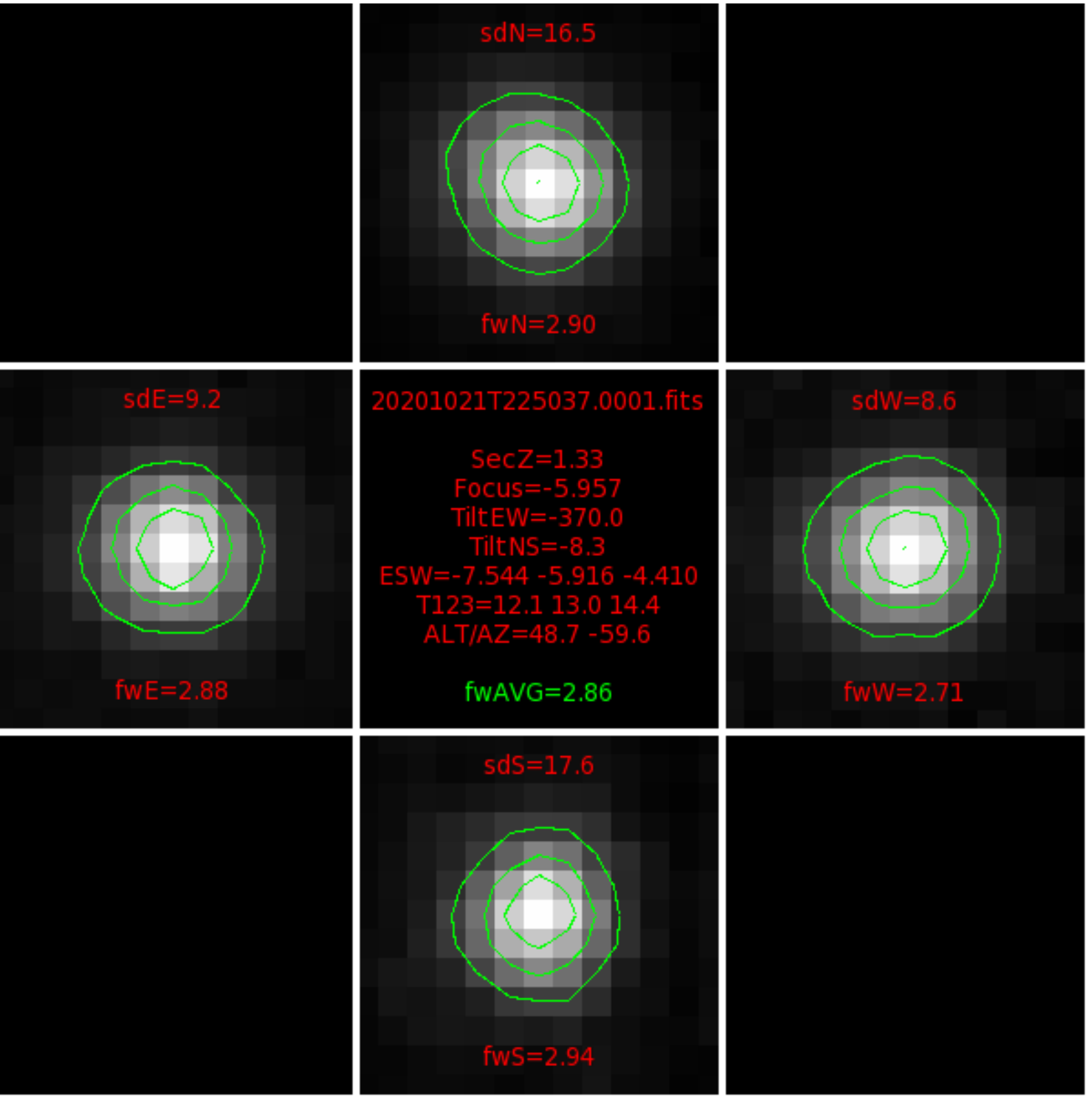

sdN=13.0
fwN=2.93
sdE=7.4
fwE=2.89
20201021T224856.0001.fits
SecZ=1.32
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.0 13.0 14.5
ALT/AZ=49.4 -59.7
fwAVG=2.83
sdW=5.9
fwW=2.66
sdS=21.0
fwS=2.83
0 0 0 0 0 0 0 0 0


sdN=16.5
fwN=2.90
sdE=9.2
fwE=2.88
20201021T225037.0001.fits
SecZ=1.33
Focus=-5.957
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.544 -5.916 -4.410
T123=12.1 13.0 14.4
ALT/AZ=48.7 -59.6
fwAVG=2.86
sdW=8.6
fwW=2.71
sdS=17.6
fwS=2.94
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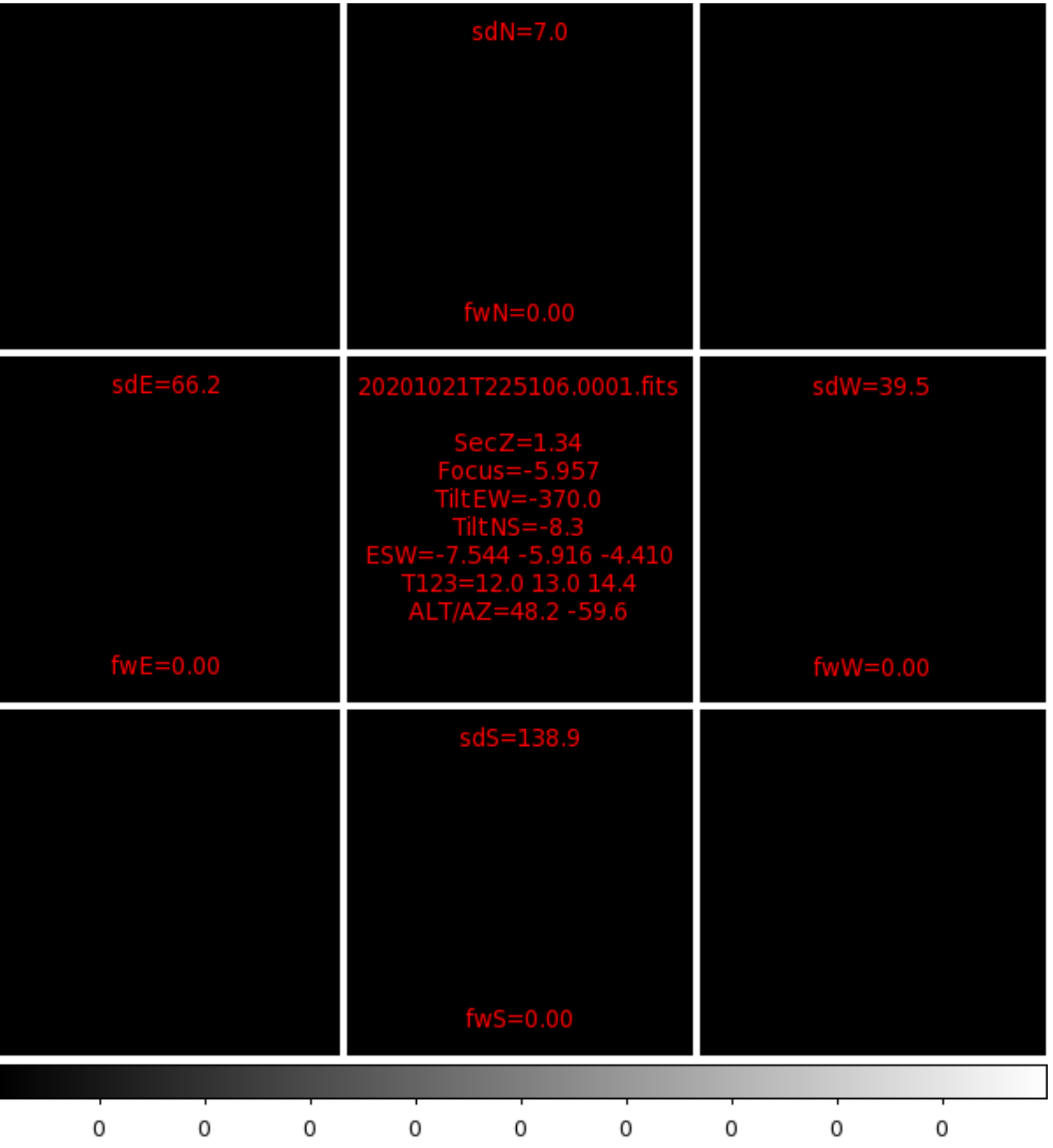
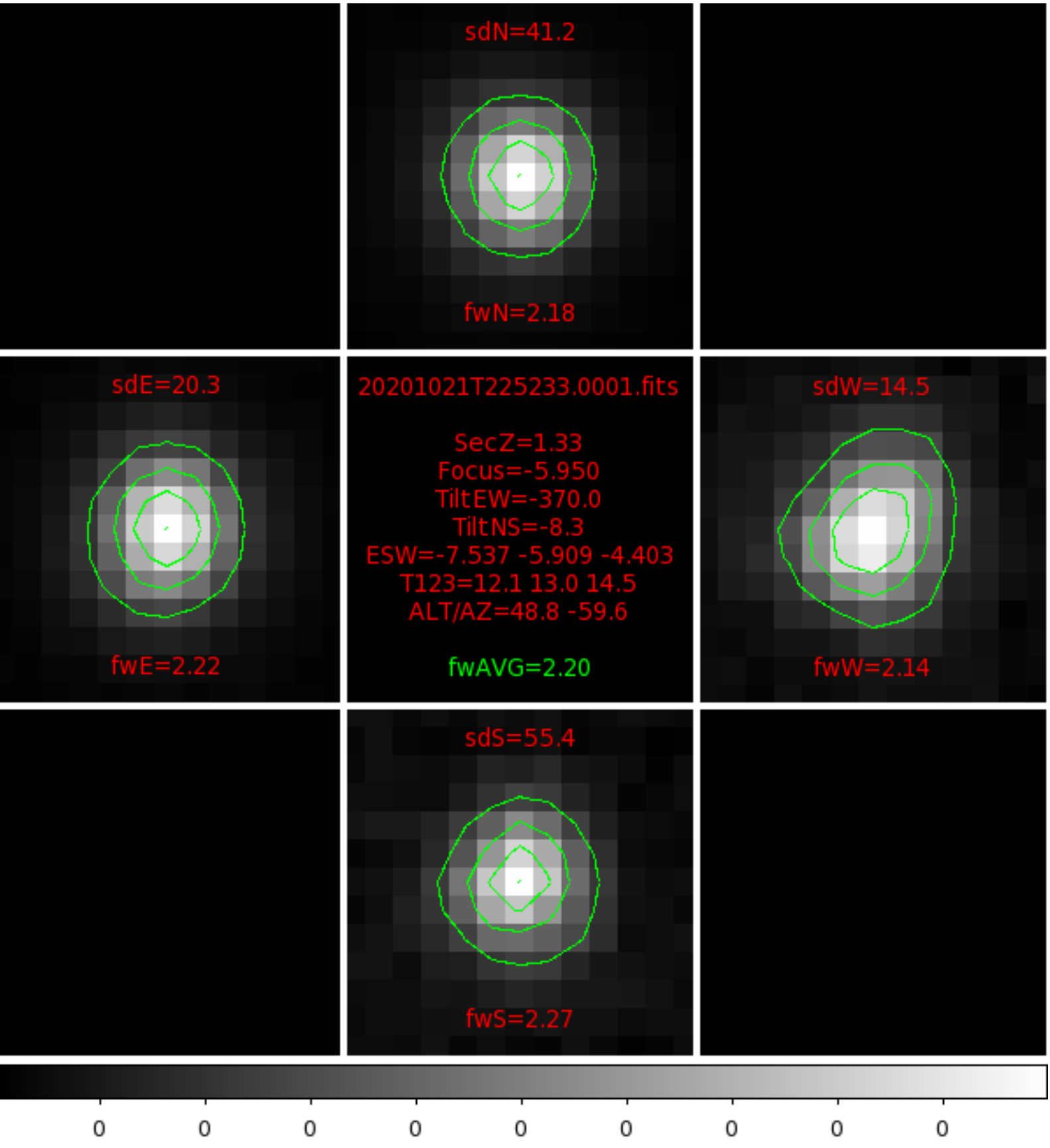

sdN=7.0
fwN=0.00
sdE=66.2
20201021T225106.0001.fits
SecZ=1.34
Focus=-5.957
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.544 -5.916 -4.410
T123=12.0 13.0 14.4
ALT/AZ=48.2 -59.6
sdW=39.5
fwE=0.00
fwW=0.00
sdS=138.9
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=41.2
fwN=2.18
sdE=20.3
fwE=2.22
20201021T225233.0001.fits
SecZ=1.33
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.1 13.0 14.5
ALT/AZ=48.8 -59.6
fwAVG=2.20
sdW=14.5
fwW=2.14
sdS=55.4
fwS=2.27
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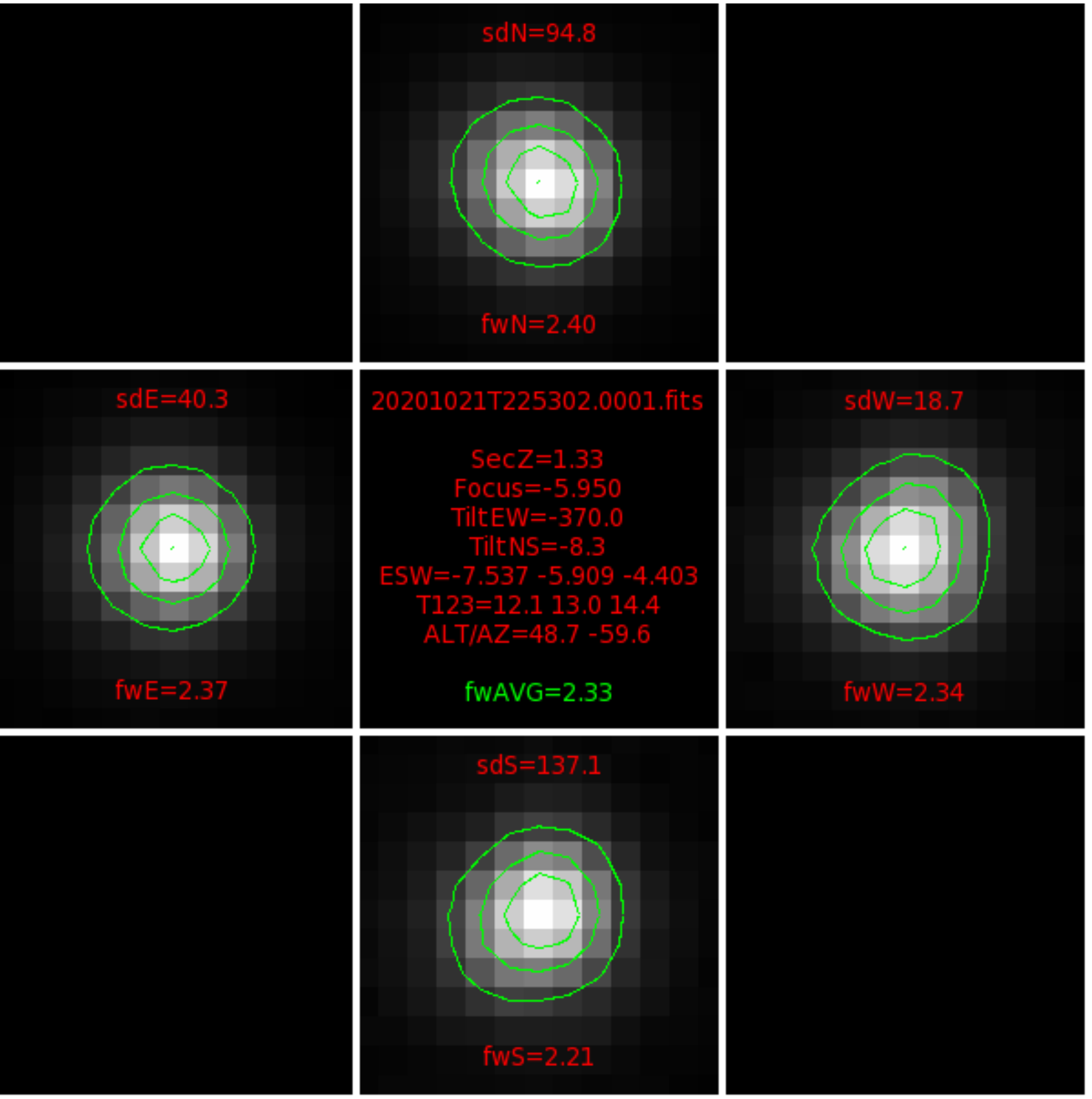
sdN=94.8
fwN=2.40
sdE=40.3
fwE=2.37
20201021T225302.0001.fits
SecZ=1.33
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.1 13.0 14.4
ALT/AZ=48.7 -59.6
fwAVG=2.33
sdW=18.7
fwW=2.34
sdS=137.1
fwS=2.21
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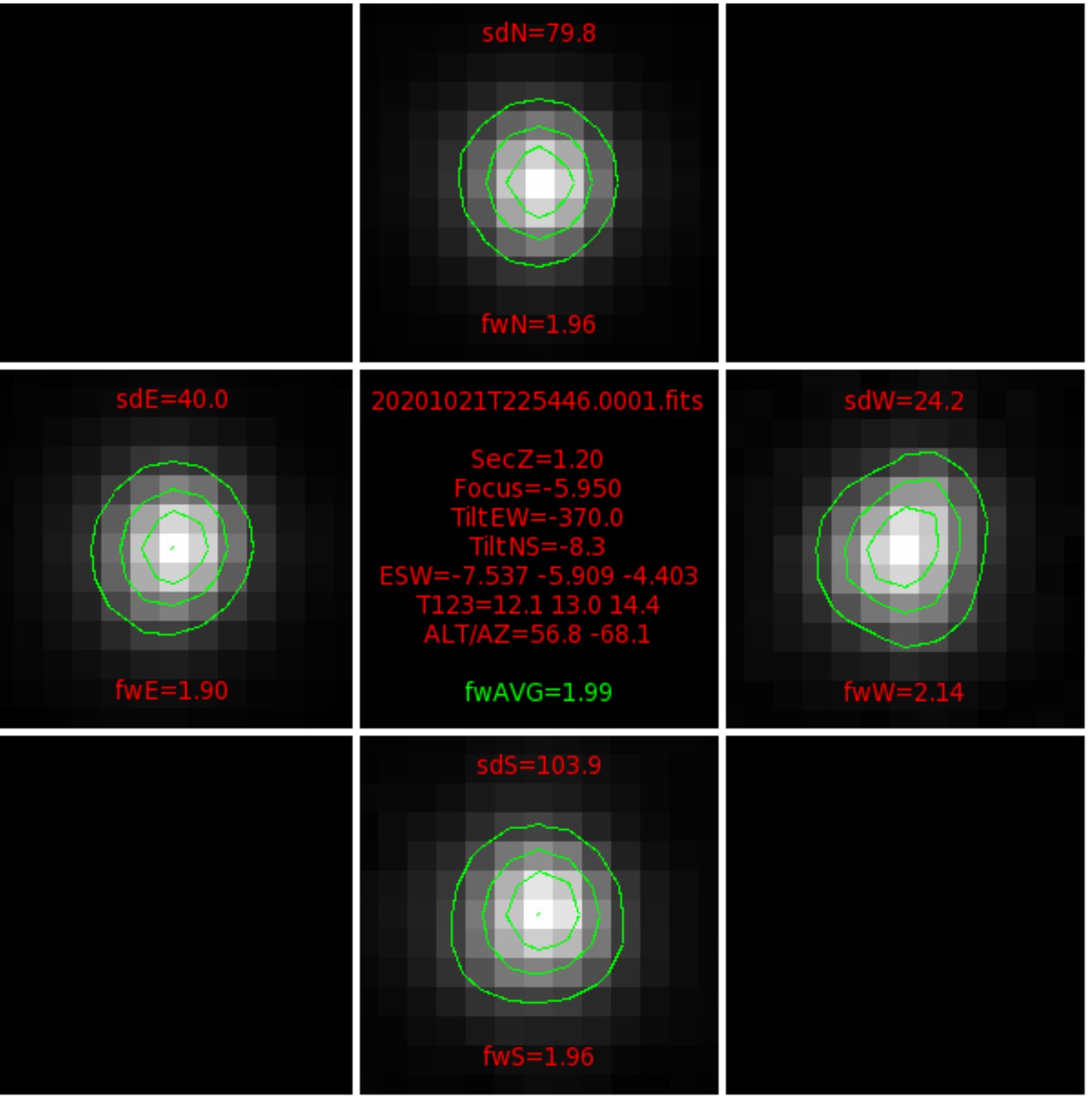
sdN=79.8
fwN=1.96
sdE=40.0
fwE=1.90
20201021T225446.0001.fits
SecZ=1.20
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.1 13.0 14.4
ALT/AZ=56.8 -68.1
fwAVG=1.99
sdW=24.2
fwW=2.14
sdS=103.9
fwS=1.96
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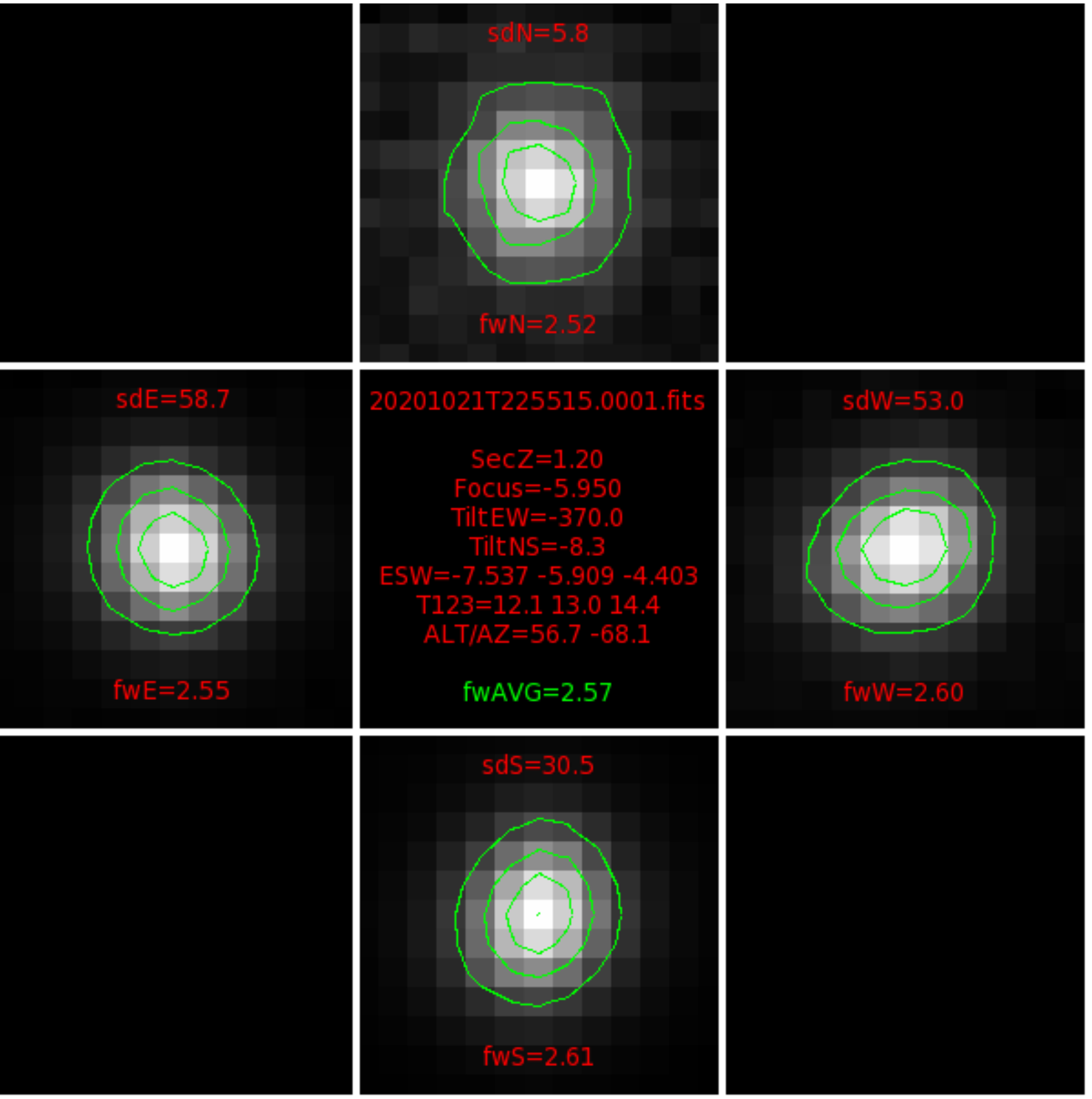
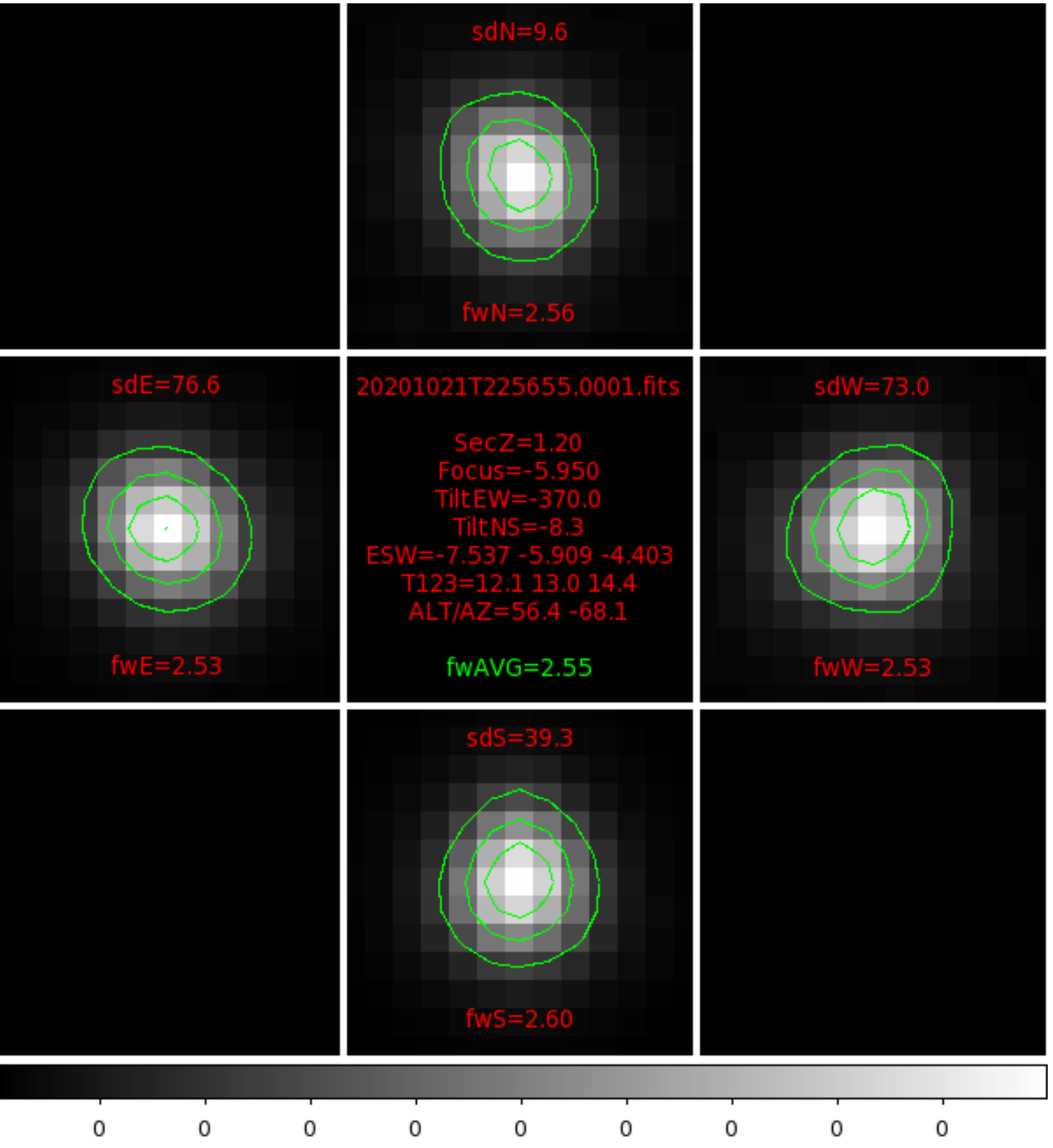
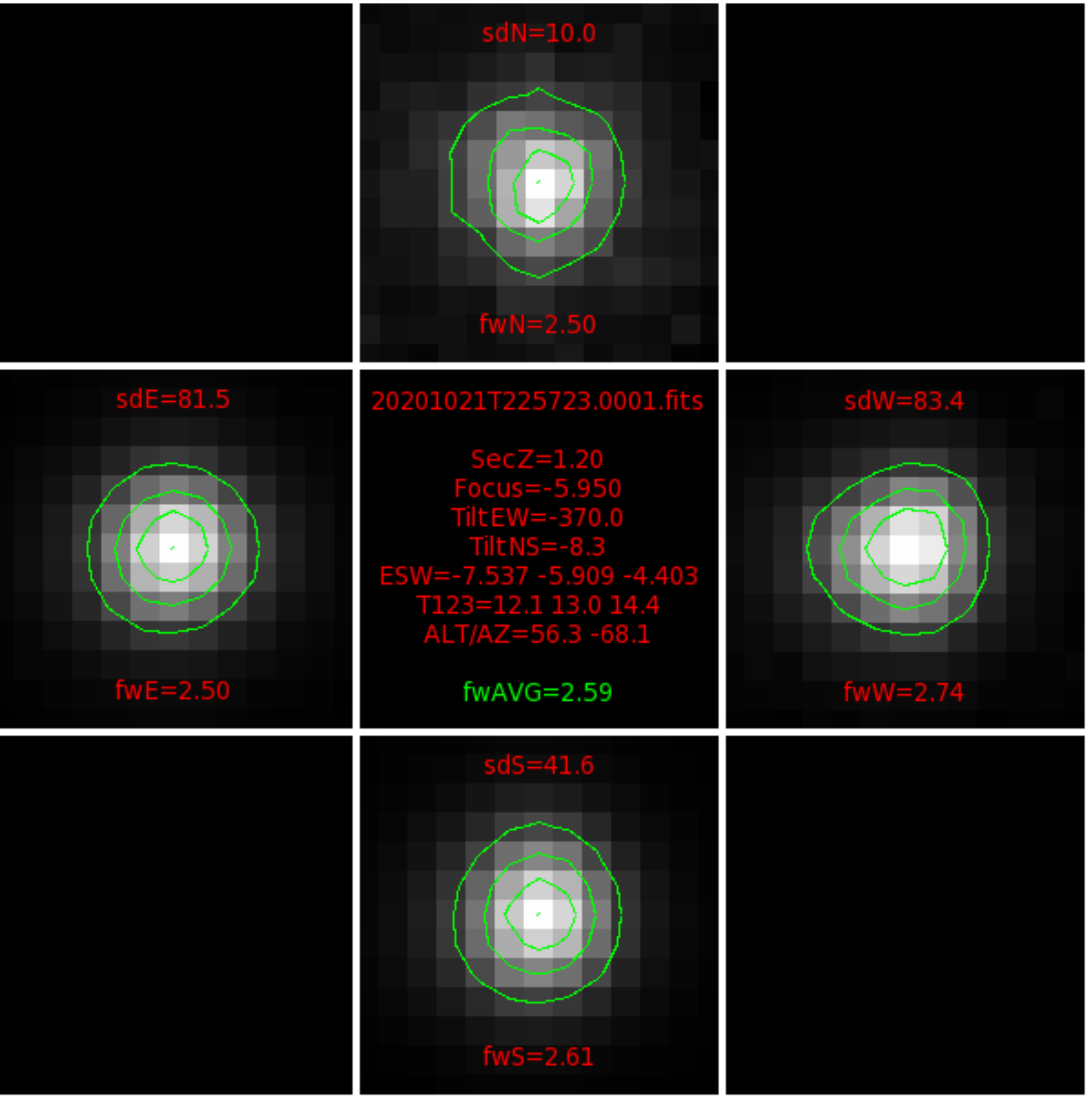
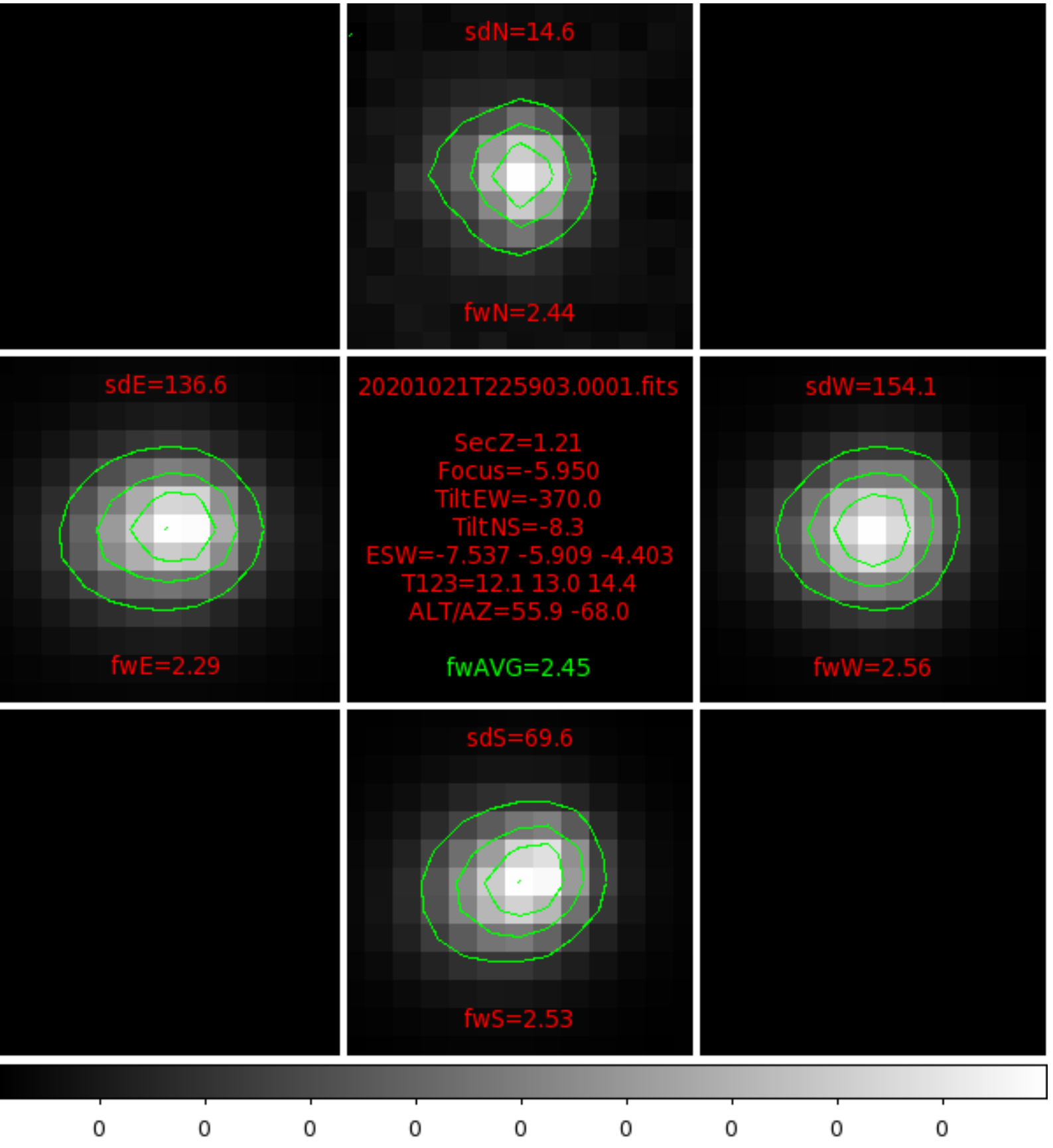

sdN=5.8
fwN=2.52
sdE=58.7
fwE=2.55
20201021T225515.0001.fits
SecZ=1.20
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.1 13.0 14.4
ALT/AZ=56.7 -68.1
fwAVG=2.57
sdW=53.0
fwW=2.60
sdS=30.5
fwS=2.61
0 0 0 0 0 0 0 0 0


sdN=9.6
fwN=2.56
sdE=76.6
fwE=2.53
20201021T225655.0001.fits
SecZ=1.20
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.1 13.0 14.4
ALT/AZ=56.4 -68.1
fwAVG=2.55
sdW=73.0
fwW=2.53
sdS=39.3
fwS=2.60
0 0 0 0 0 0 0 0 0


sdN=10.0
fwN=2.50
sdE=81.5
fwE=2.50
20201021T225723.0001.fits
SecZ=1.20
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.1 13.0 14.4
ALT/AZ=56.3 -68.1
fwAVG=2.59
sdW=83.4
fwW=2.74
sdS=41.6
fwS=2.61
0 0 0 0 0 0 0 0 0


sdN=14.6
fwN=2.44
sdE=136.6
fwE=2.29
20201021T225903.0001.fits
SecZ=1.21
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.1 13.0 14.4
ALT/AZ=55.9 -68.0
fwAVG=2.45
sdW=154.1
fwW=2.56
sdS=69.6
fwS=2.53
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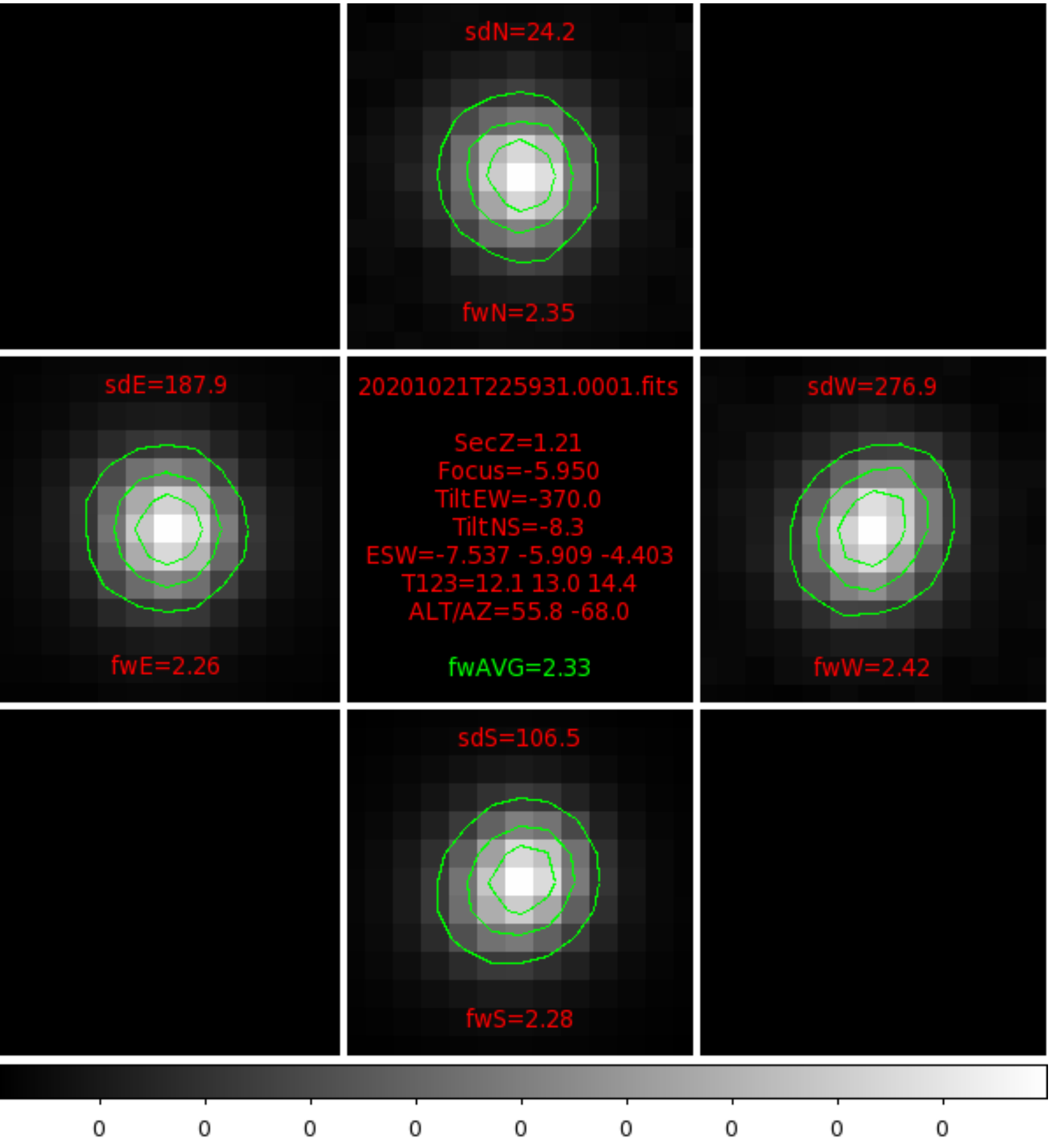
sdN=24.2
fwN=2.35
sdE=187.9
fwE=2.26
20201021T225931.0001.fits
SecZ=1.21
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.1 13.0 14.4
ALT/AZ=55.8 -68.0
fwAVG=2.33
sdW=276.9
fwW=2.42
sdS=106.5
fwS=2.28
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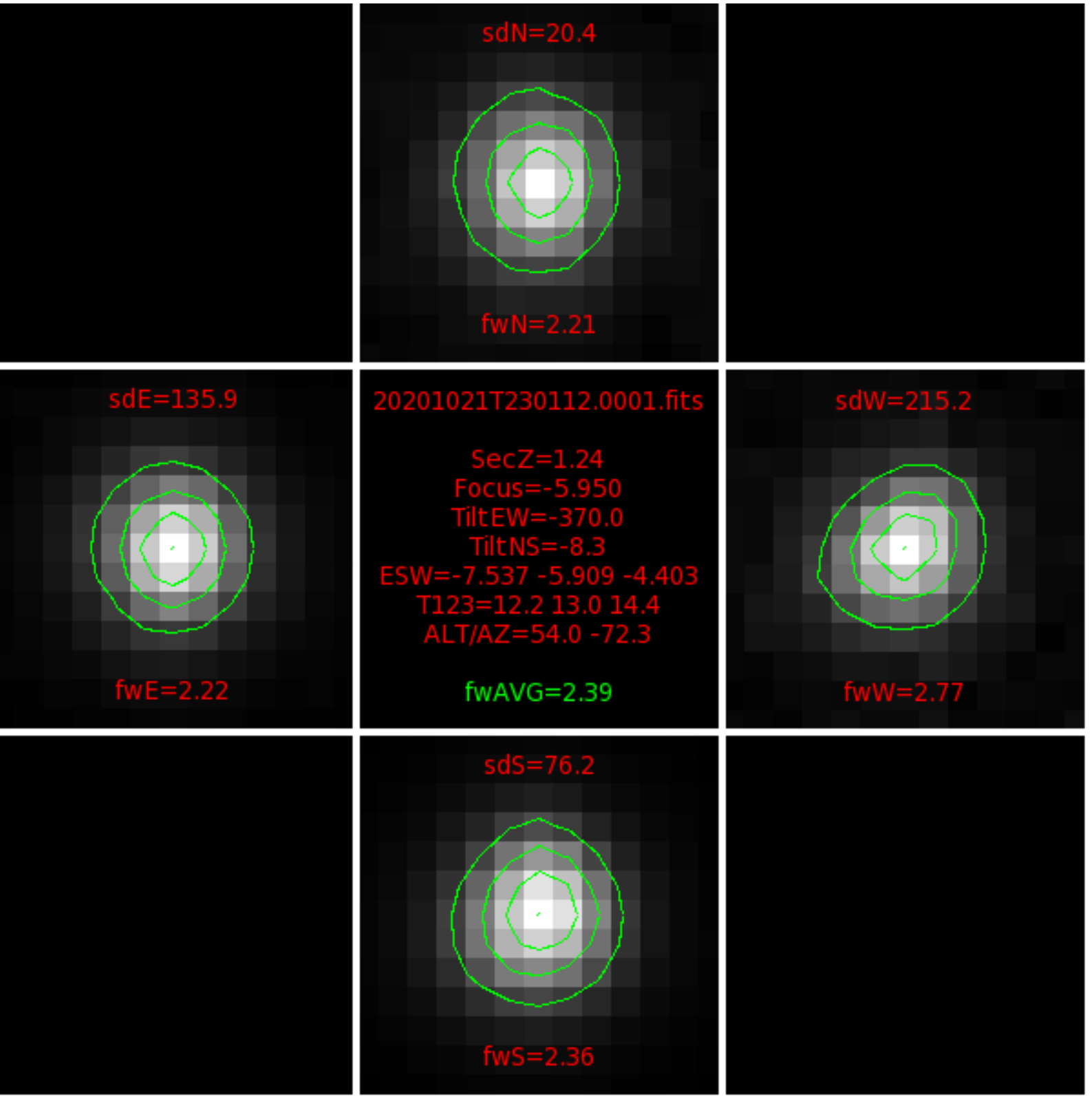
sdN=20.4
fwN=2.21
sdE=135.9
fwE=2.22
20201021T230112.0001.fits
SecZ=1.24
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.2 13.0 14.4
ALT/AZ=54.0 -72.3
fwAVG=2.39
sdW=215.2
fwW=2.77
sdS=76.2
fwS=2.36
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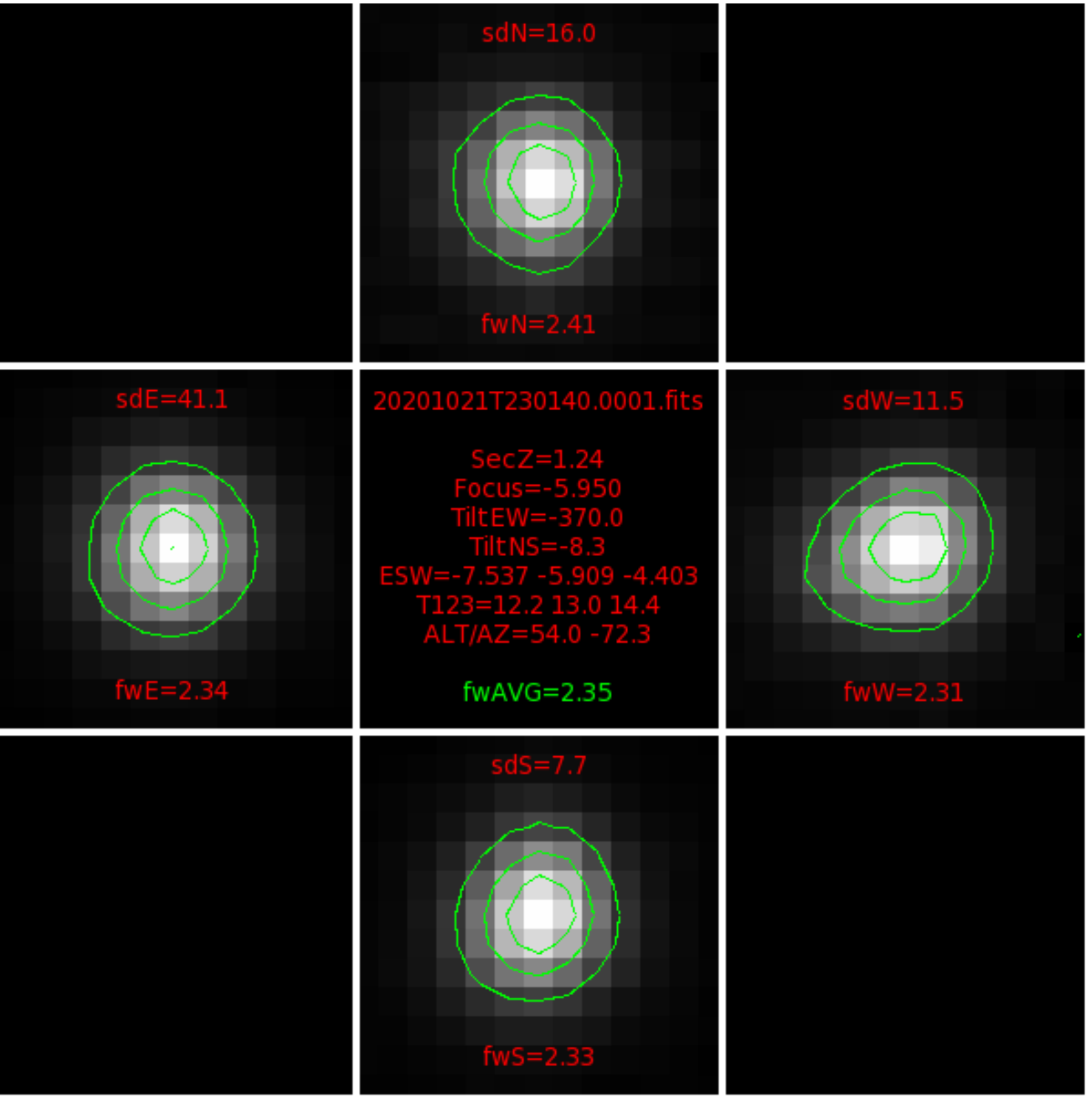
sdN=16.0
fwN=2.41
sdE=41.1
fwE=2.34
20201021T230140.0001.fits
SecZ=1.24
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.2 13.0 14.4
ALT/AZ=54.0 -72.3
fwAVG=2.35
sdW=11.5
fwW=2.31
sdS=7.7
fwS=2.33
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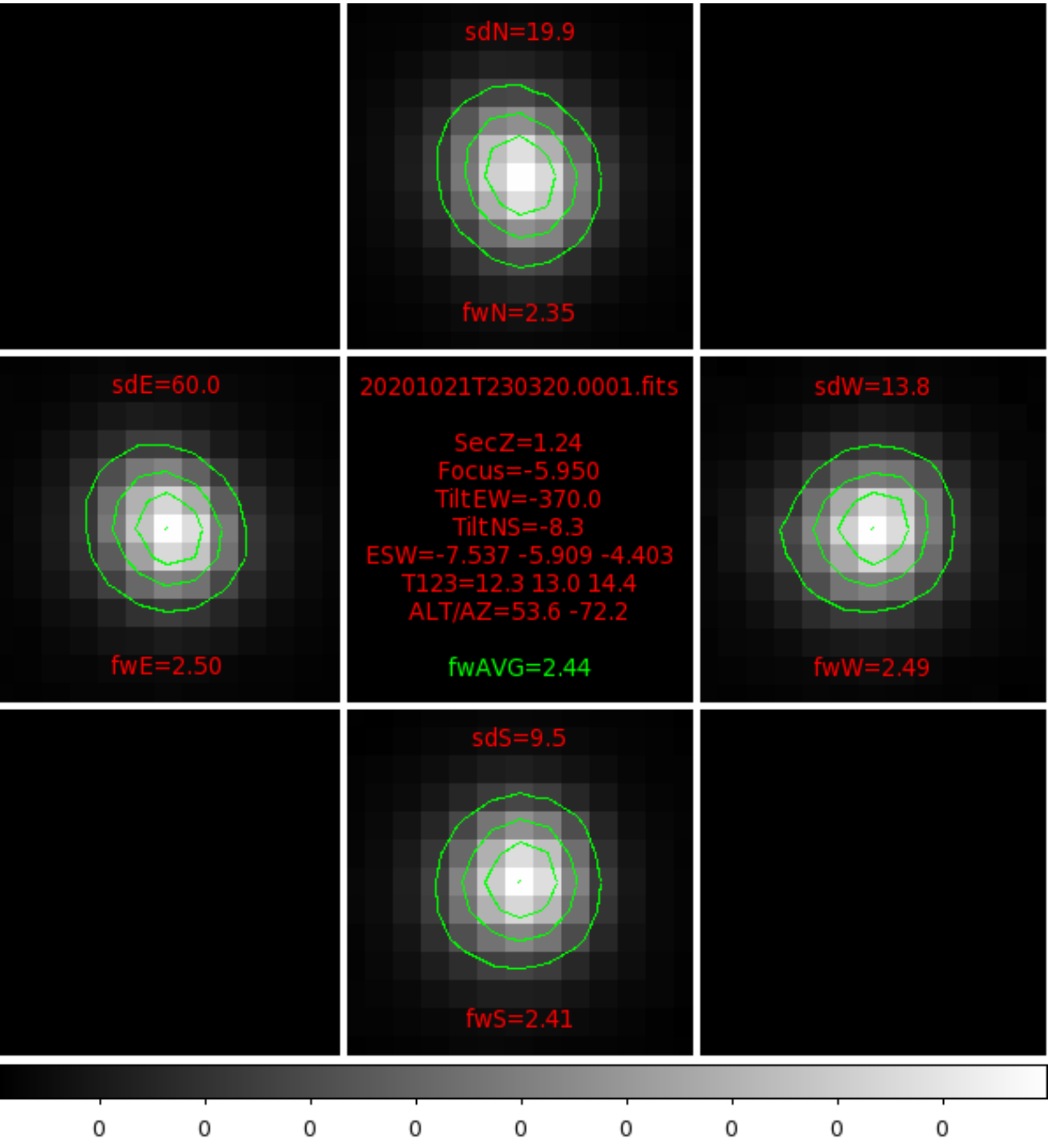
sdN=19.9
fwN=2.35
sdE=60.0
fwE=2.50
20201021T230320.0001.fits
SecZ=1.24
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.3 13.0 14.4
ALT/AZ=53.6 -72.2
fwAVG=2.44
sdW=13.8
fwW=2.49
sdS=9.5
fwS=2.41
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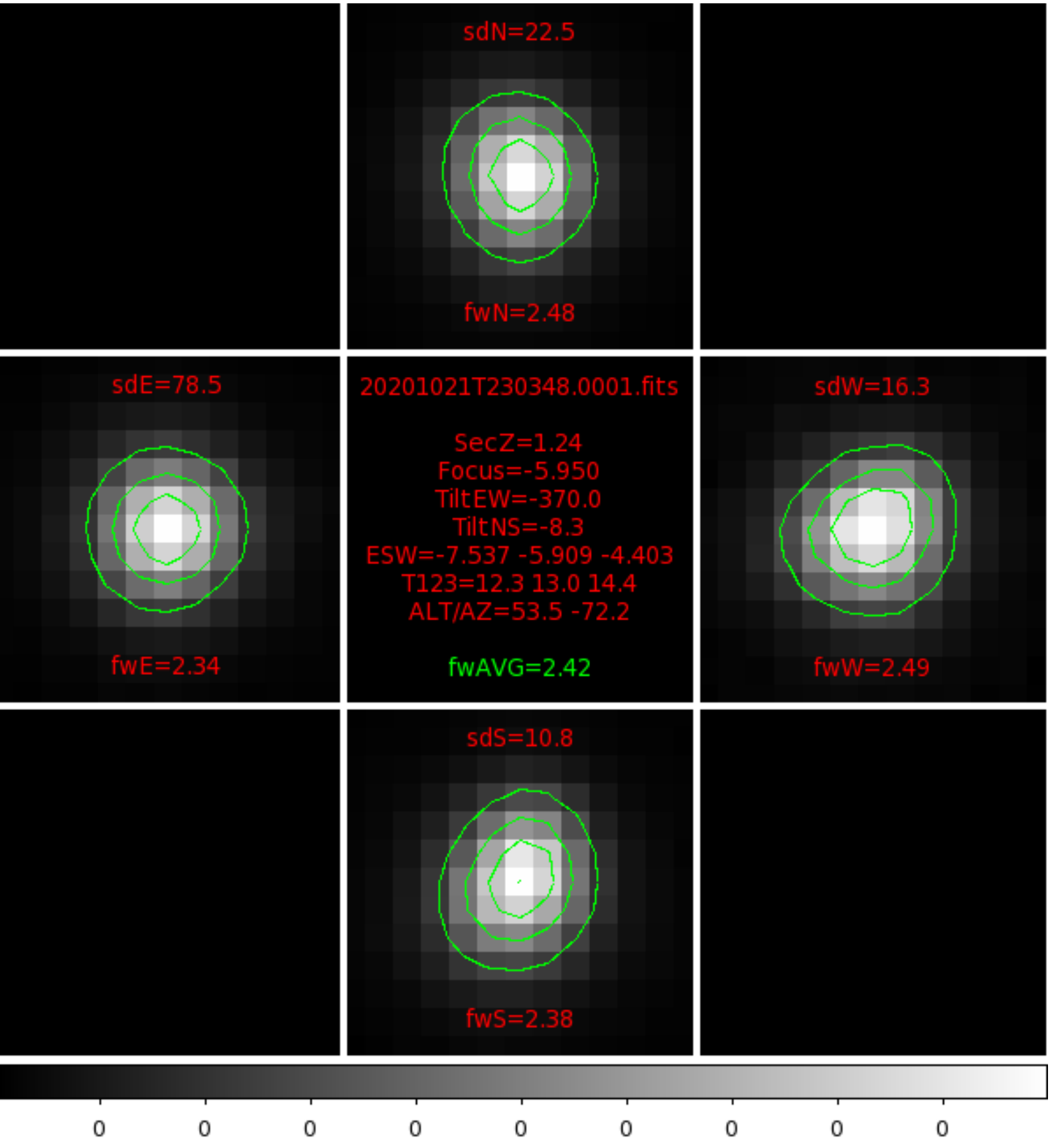
sdN=22.5
fwN=2.48
sdE=78.5
fwE=2.34
20201021T230348.0001.fits
SecZ=1.24
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.3 13.0 14.4
ALT/AZ=53.5 -72.2
fwAVG=2.42
sdW=16.3
fwW=2.49
sdS=10.8
fwS=2.38
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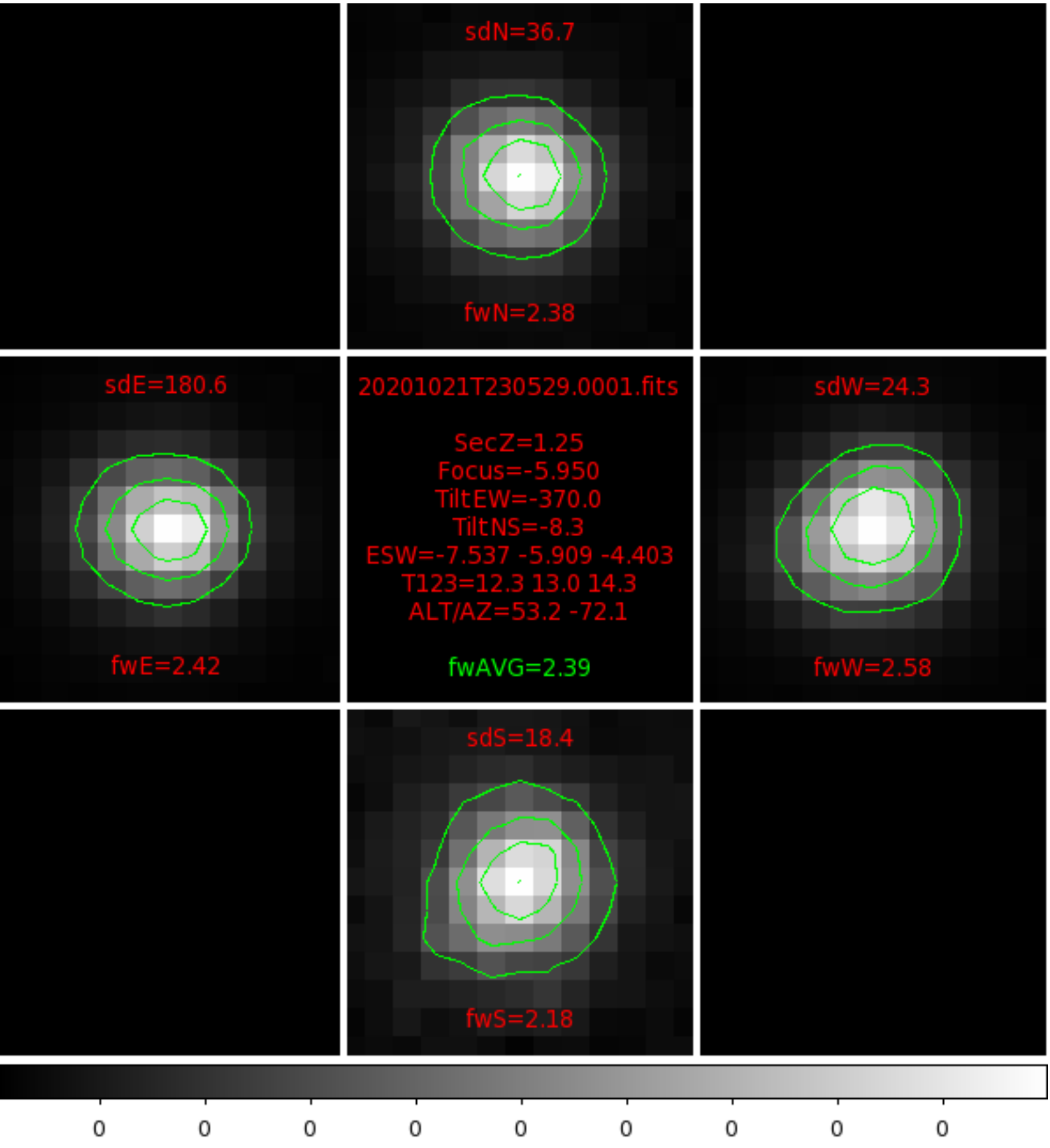
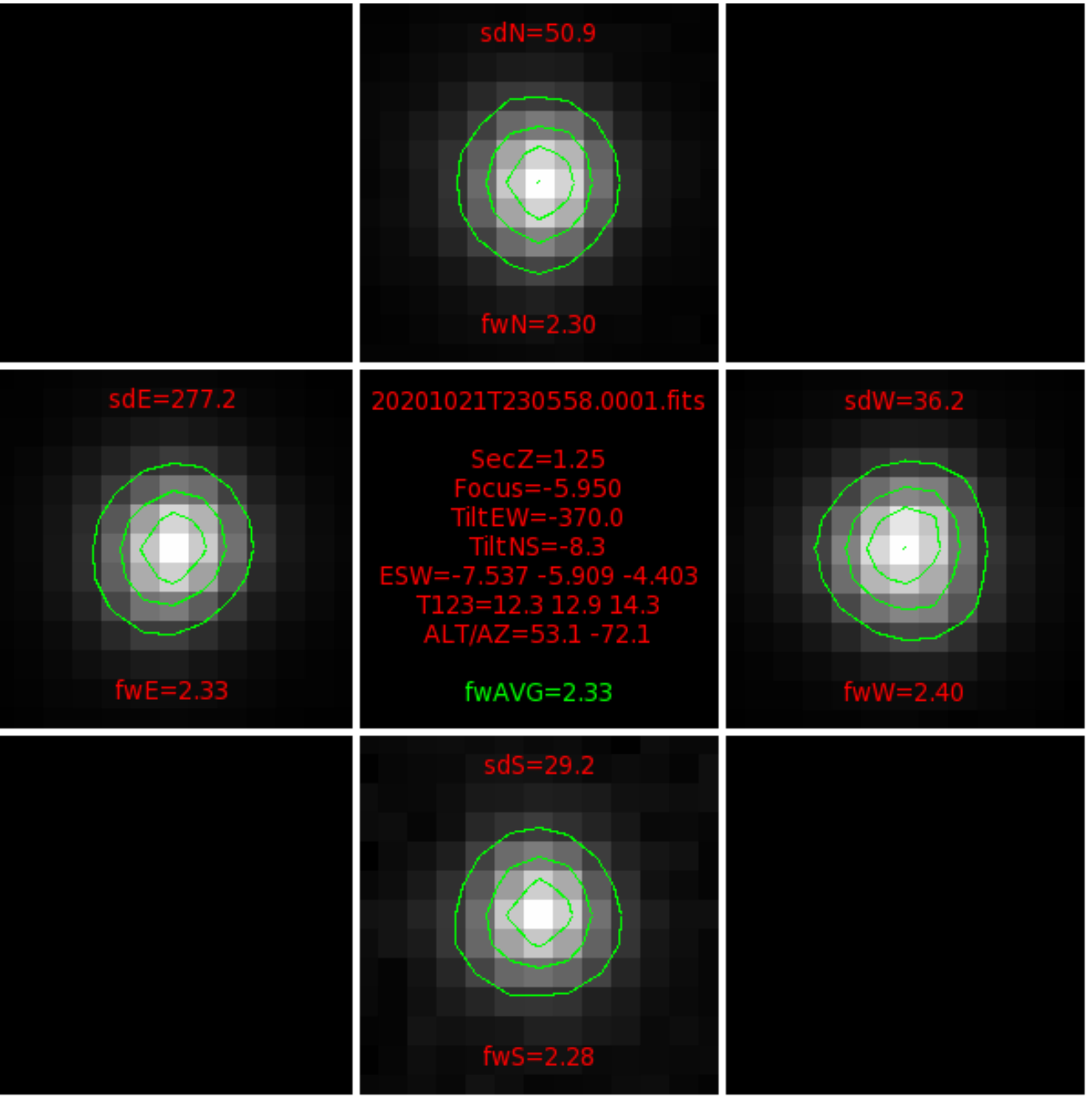
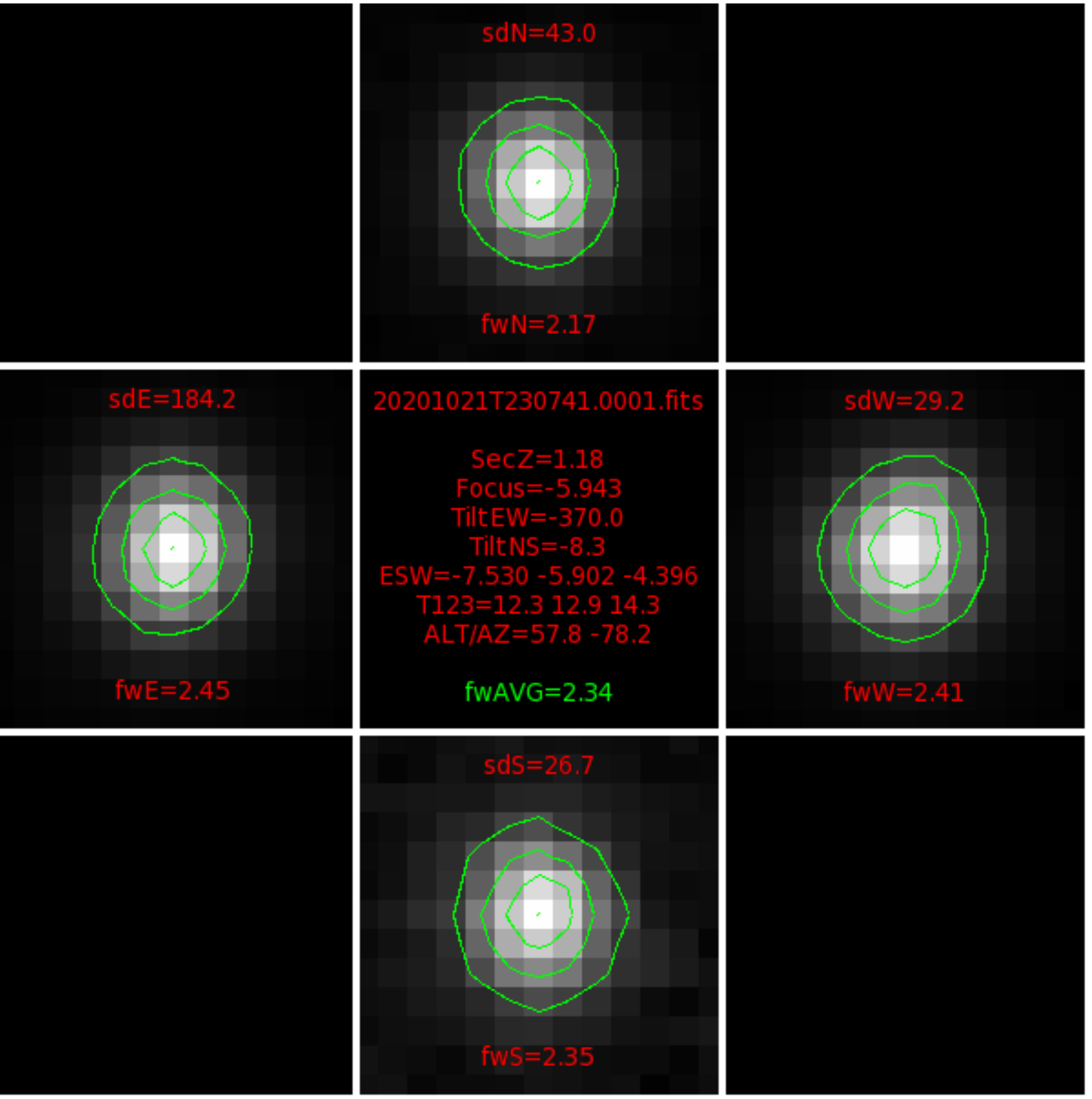

sdN=36.7
fwN=2.38
sdE=180.6
fwE=2.42
20201021T230529.0001.fits
SecZ=1.25
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.3 13.0 14.3
ALT/AZ=53.2 -72.1
fwAVG=2.39
sdW=24.3
fwW=2.58
sdS=18.4
fwS=2.18
0 0 0 0 0 0 0 0 0


sdN=50.9
fwN=2.30
sdE=277.2
fwE=2.33
20201021T230558.0001.fits
SecZ=1.25
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.3 12.9 14.3
ALT/AZ=53.1 -72.1
fwAVG=2.33
sdW=36.2
fwW=2.40
sdS=29.2
fwS=2.28
0 0 0 0 0 0 0 0 0


sdN=43.0
fwN=2.17
sdE=184.2
fwE=2.45
20201021T230741.0001.fits
SecZ=1.18
Focus=-5.943
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.530 -5.902 -4.396
T123=12.3 12.9 14.3
ALT/AZ=57.8 -78.2
fwAVG=2.34
sdW=29.2
fwW=2.41
sdS=26.7
fwS=2.35
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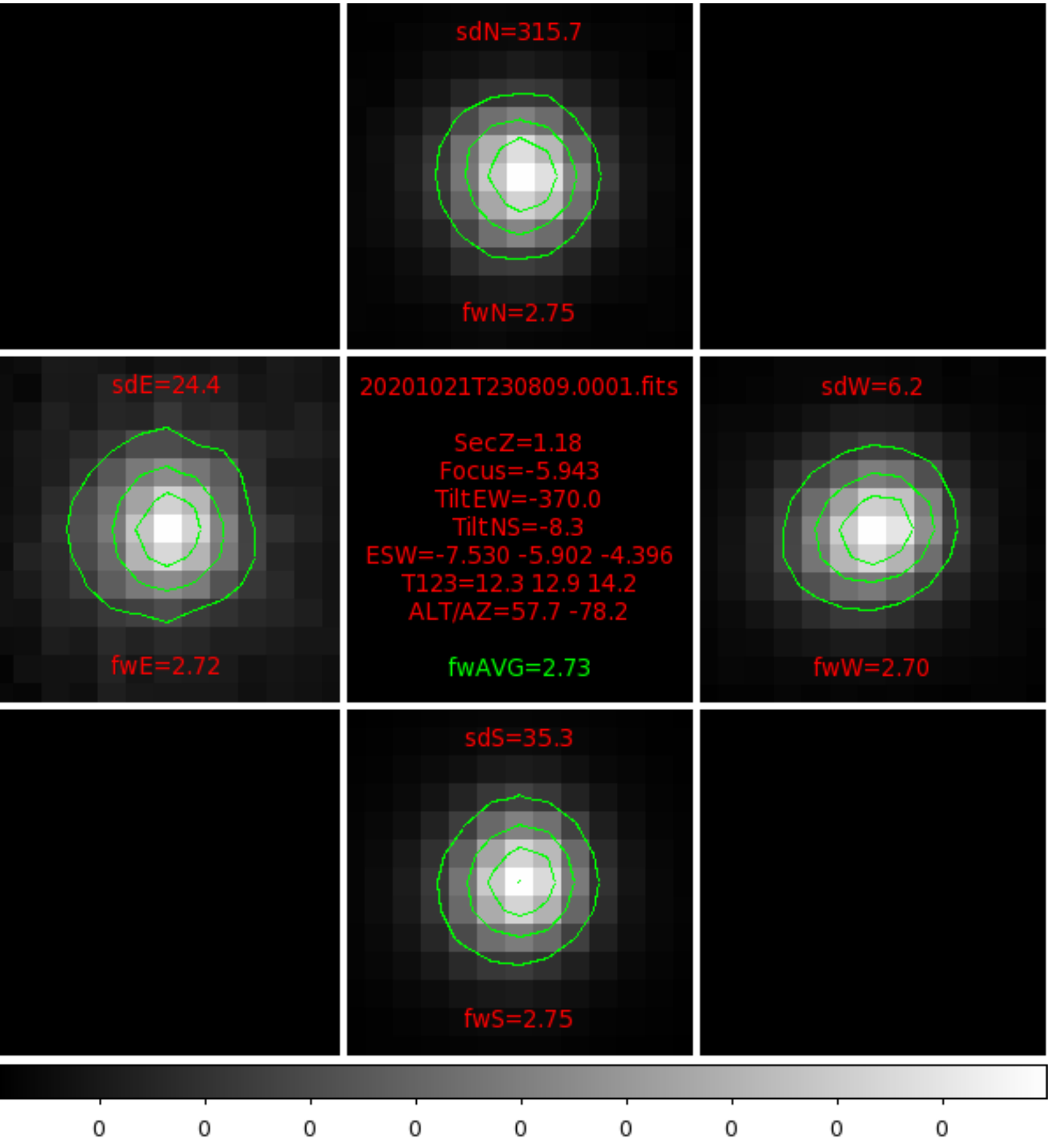
sdN=315.7
fwN=2.75
sdE=24.4
fwE=2.72
20201021T230809.0001.fits
SecZ=1.18
Focus=-5.943
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.530 -5.902 -4.396
T123=12.3 12.9 14.2
ALT/AZ=57.7 -78.2
fwAVG=2.73
sdW=6.2
fwW=2.70
sdS=35.3
fwS=2.75
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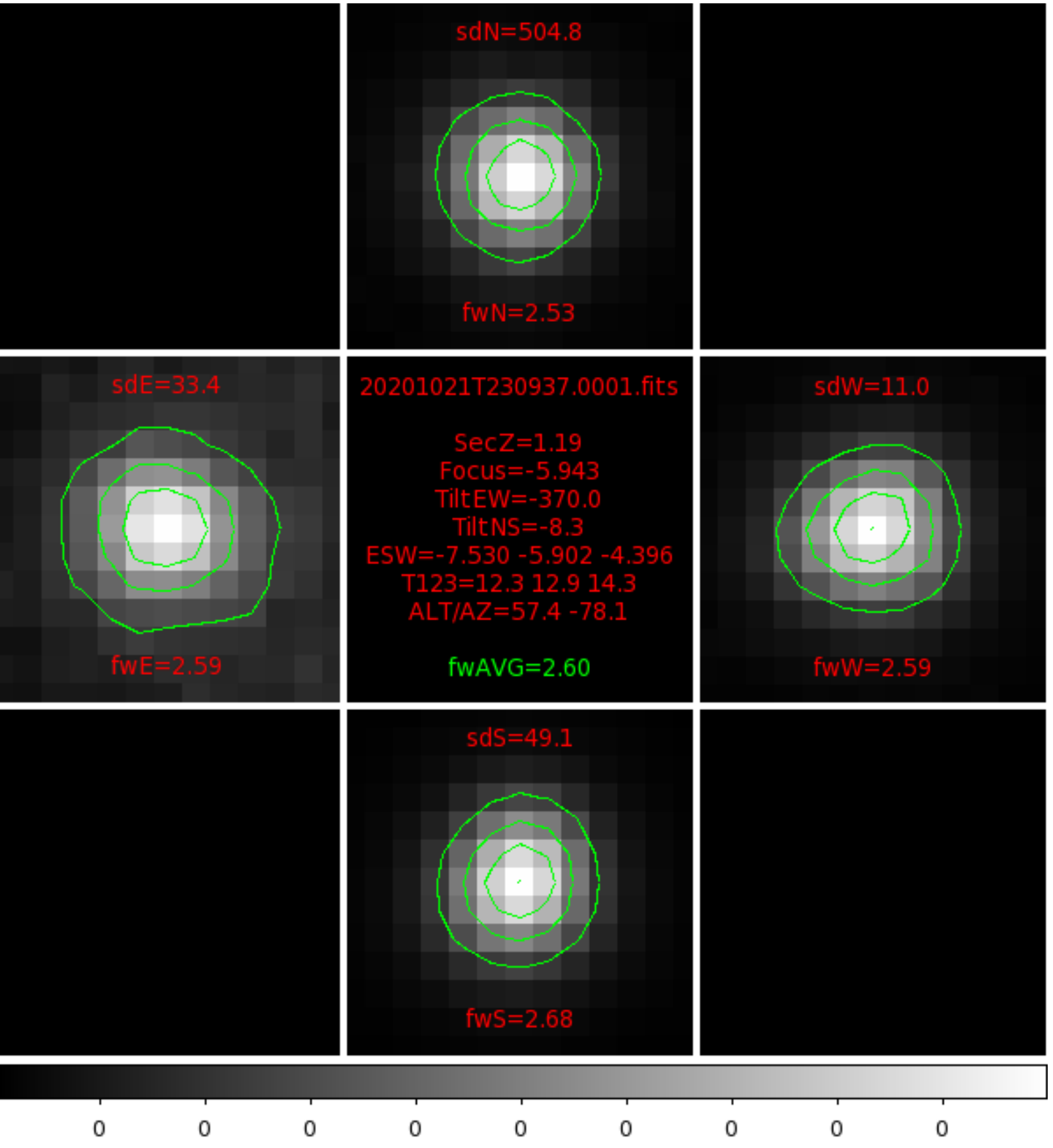
sdN=504.8
fwN=2.53
sdE=33.4
fwE=2.59
20201021T230937.0001.fits
SecZ=1.19
Focus=-5.943
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.530 -5.902 -4.396
T123=12.3 12.9 14.3
ALT/AZ=57.4 -78.1
fwAVG=2.60
sdW=11.0
fwW=2.59
sdS=49.1
fwS=2.68
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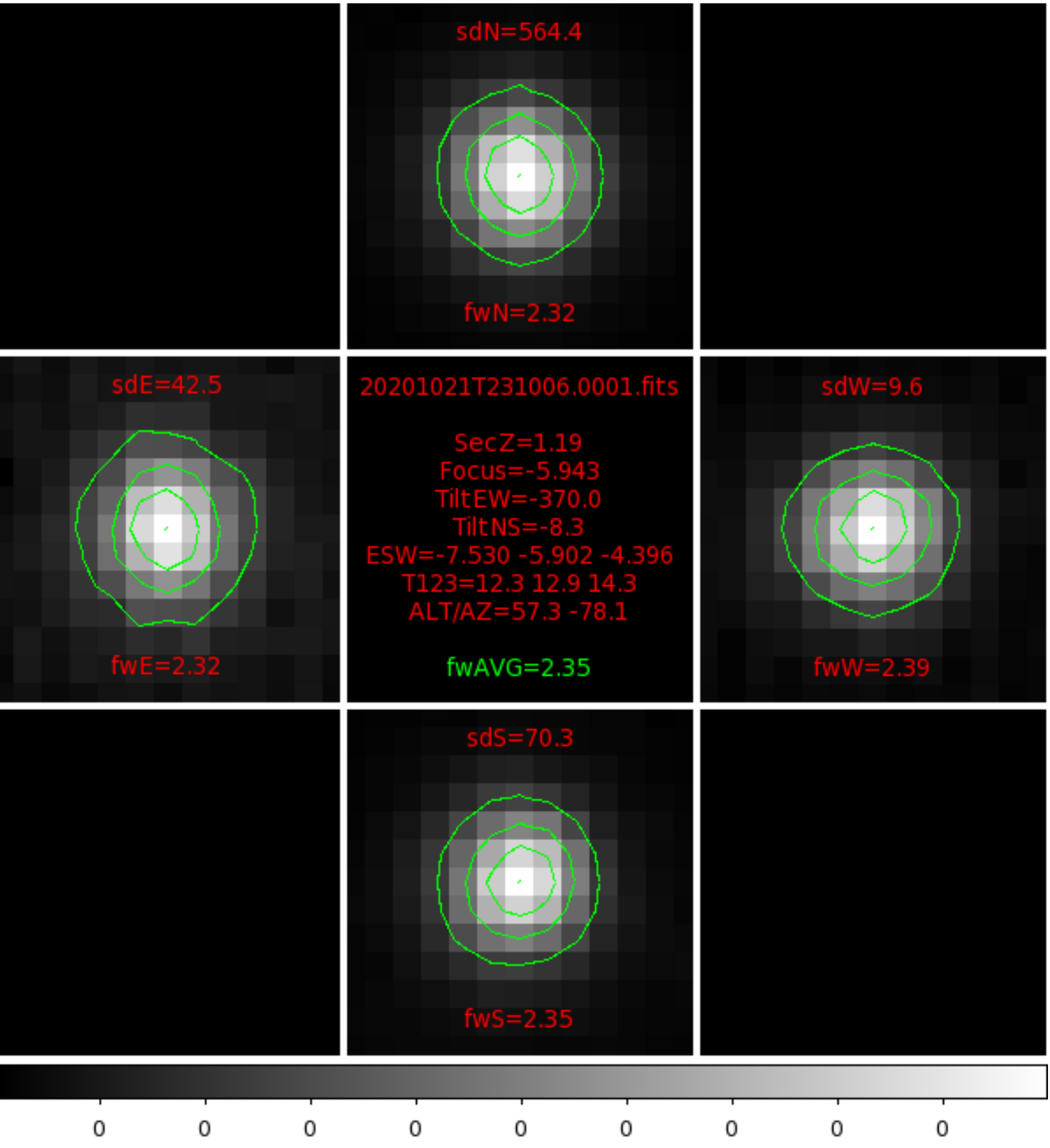
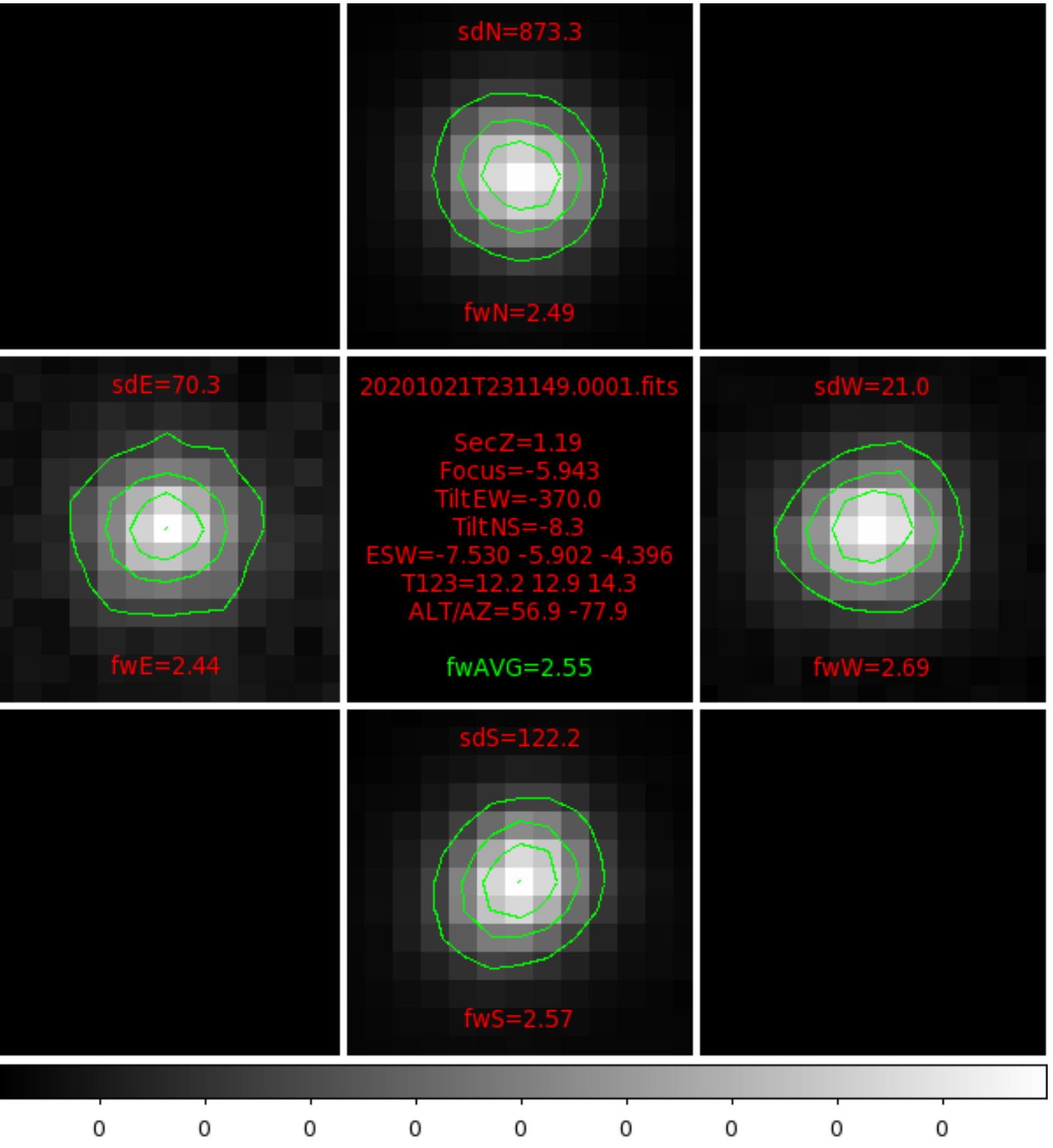

sdN=564.4
fwN=2.32
sdE=42.5
fwE=2.32
20201021T231006.0001.fits
SecZ=1.19
Focus=-5.943
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.530 -5.902 -4.396
T123=12.3 12.9 14.3
ALT/AZ=57.3 -78.1
fwAVG=2.35
sdW=9.6
fwW=2.39
sdS=70.3
fwS=2.35
0 0 0 0 0 0 0 0 0


sdN=873.3
fwN=2.49
sdE=70.3
fwE=2.44
20201021T231149.0001.fits
SecZ=1.19
Focus=-5.943
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.530 -5.902 -4.396
T123=12.2 12.9 14.3
ALT/AZ=56.9 -77.9
fwAVG=2.55
sdW=21.0
fwW=2.69
sdS=122.2
fwS=2.57
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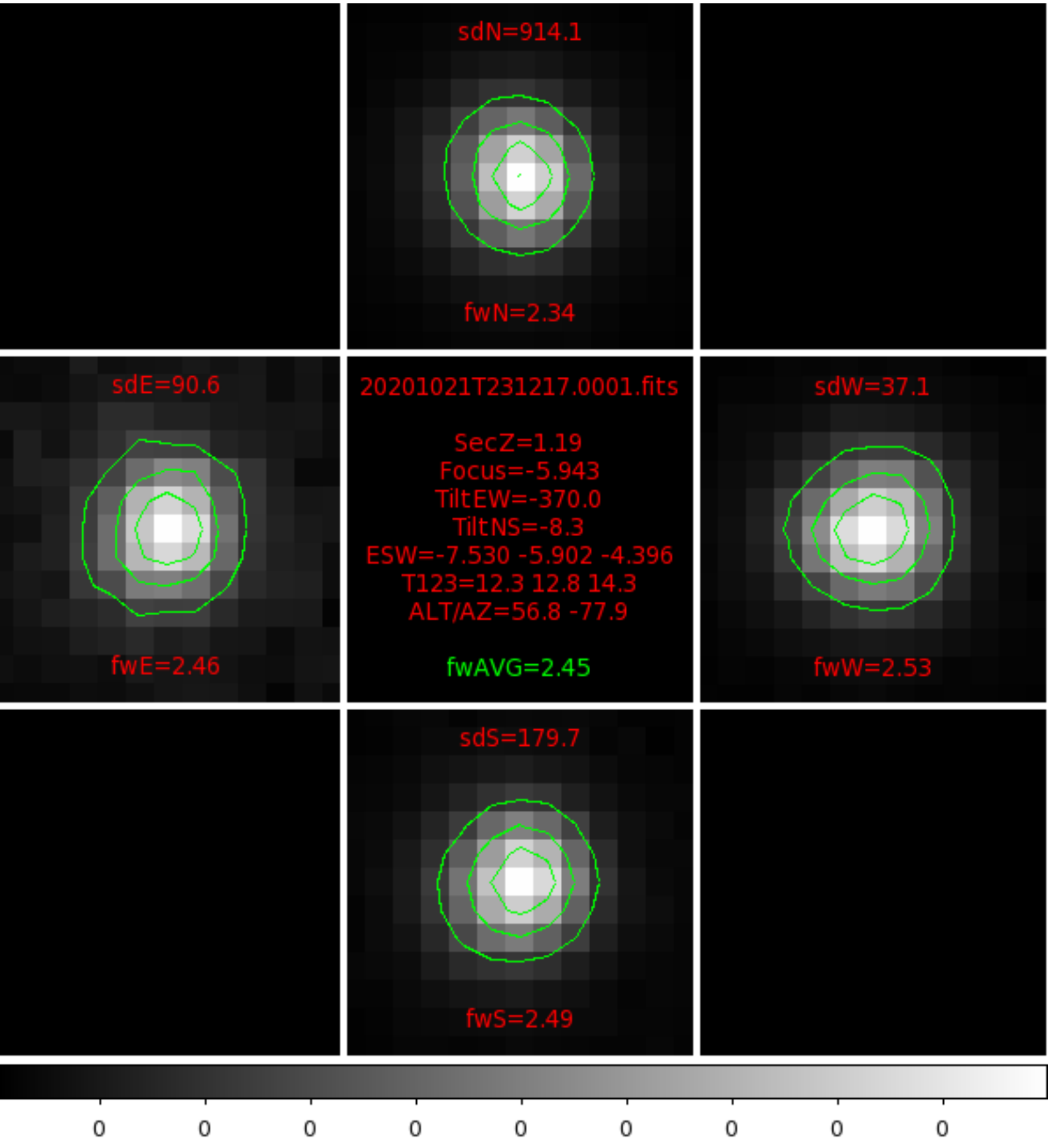
sdN=914.1
fwN=2.34
sdE=90.6
fwE=2.46
20201021T231217.0001.fits
SecZ=1.19
Focus=-5.943
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.530 -5.902 -4.396
T123=12.3 12.8 14.3
ALT/AZ=56.8 -77.9
fwAVG=2.45
sdW=37.1
fwW=2.53
sdS=179.7
fwS=2.49
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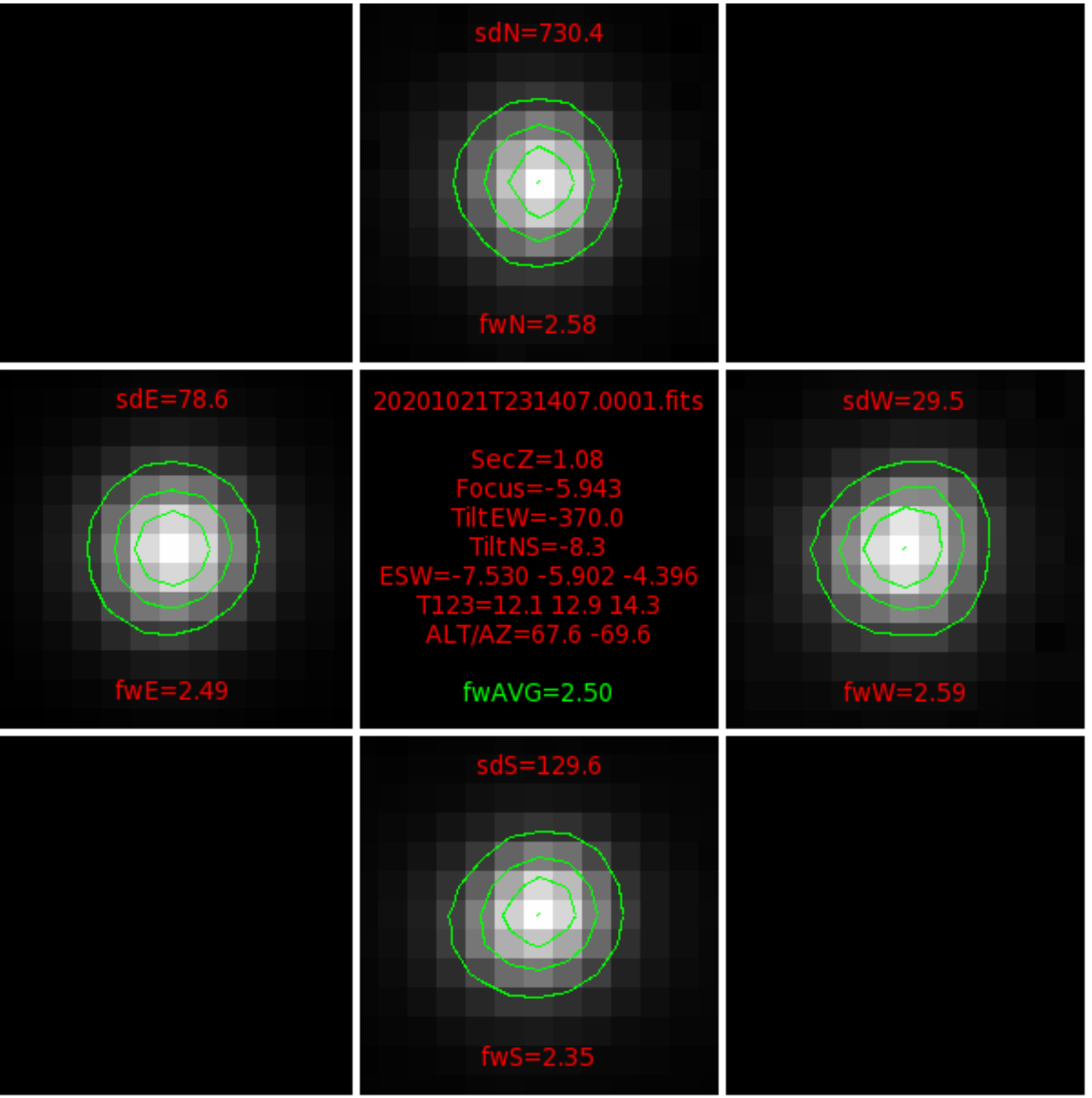
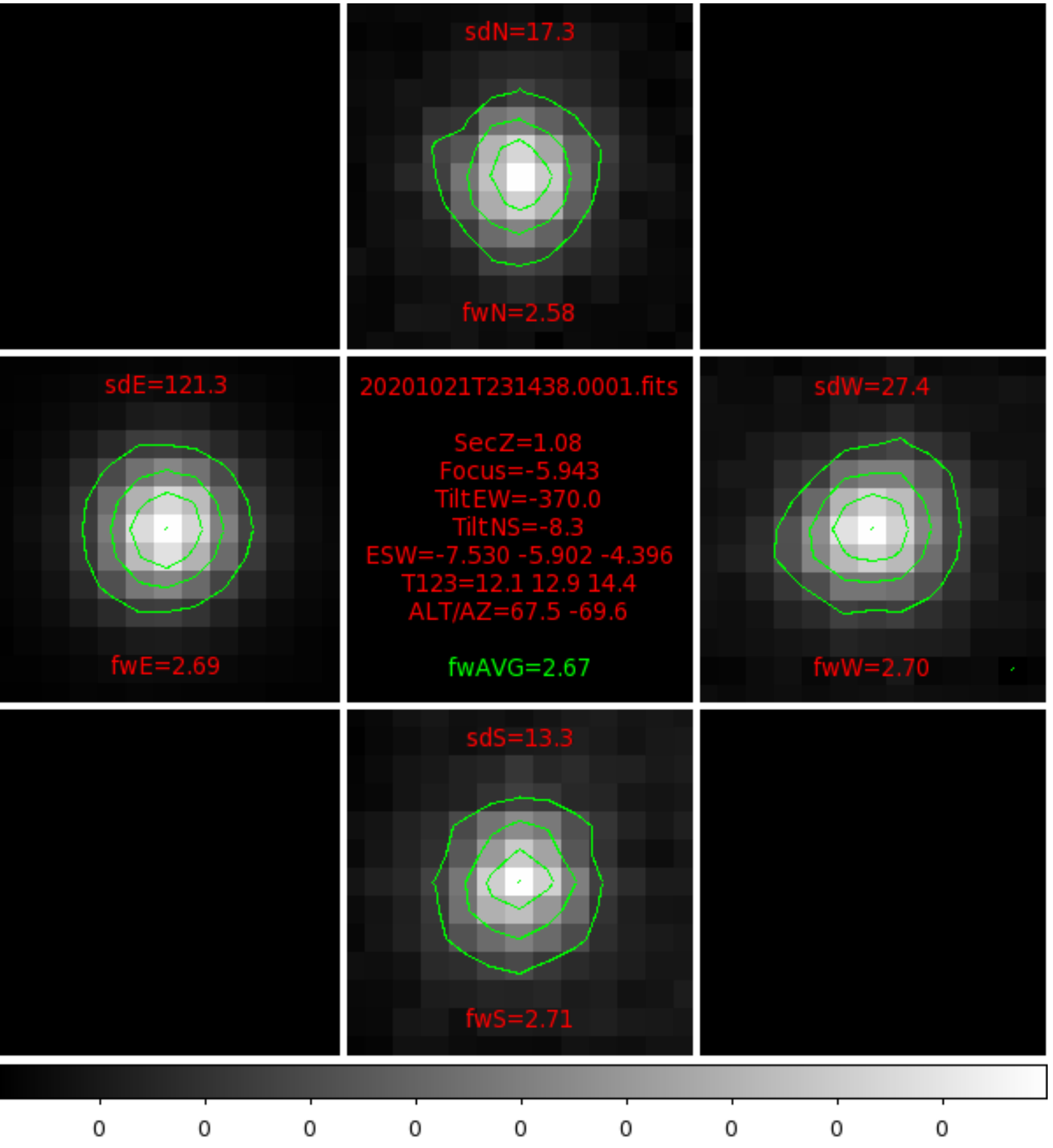

sdN=730.4
fwN=2.58
sdE=78.6
fwE=2.49
20201021T231407.0001.fits
SecZ=1.08
Focus=-5.943
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.530 -5.902 -4.396
T123=12.1 12.9 14.3
ALT/AZ=67.6 -69.6
fwAVG=2.50
sdW=29.5
fwW=2.59
sdS=129.6
fwS=2.35
0 0 0 0 0 0 0 0 0


sdN=17.3
fwN=2.58
sdE=121.3
fwE=2.69
20201021T231438.0001.fits
SecZ=1.08
Focus=-5.943
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.530 -5.902 -4.396
T123=12.1 12.9 14.4
ALT/AZ=67.5 -69.6
fwAVG=2.67
sdW=27.4
fwW=2.70
sdS=13.3
fwS=2.71
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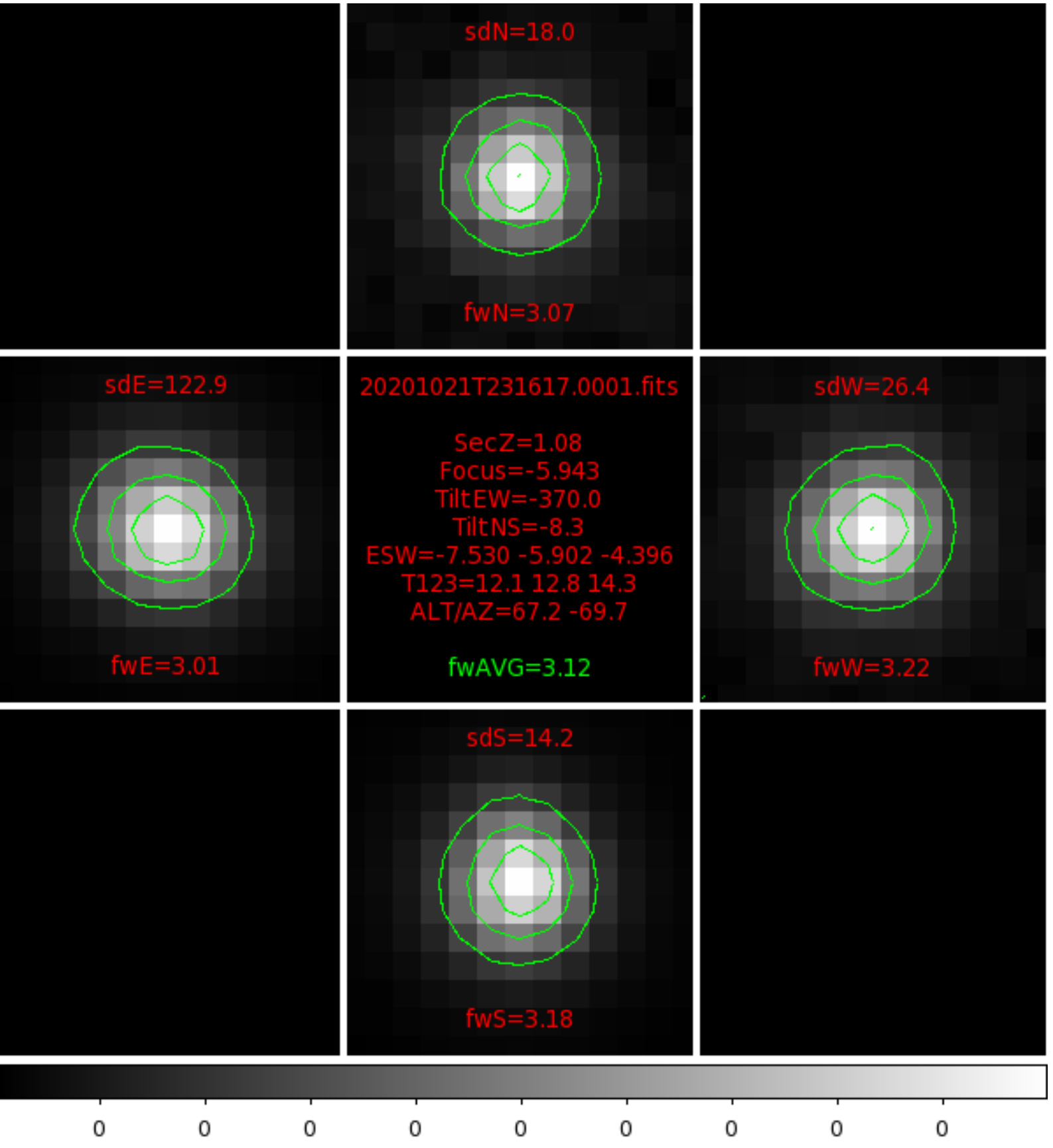
sdN=18.0
fwN=3.07
sdE=122.9
fwE=3.01
20201021T231617.0001.fits
SecZ=1.08
Focus=-5.943
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.530 -5.902 -4.396
T123=12.1 12.8 14.3
ALT/AZ=67.2 -69.7
fwAVG=3.12
sdW=26.4
fwW=3.22
sdS=14.2
fwS=3.18
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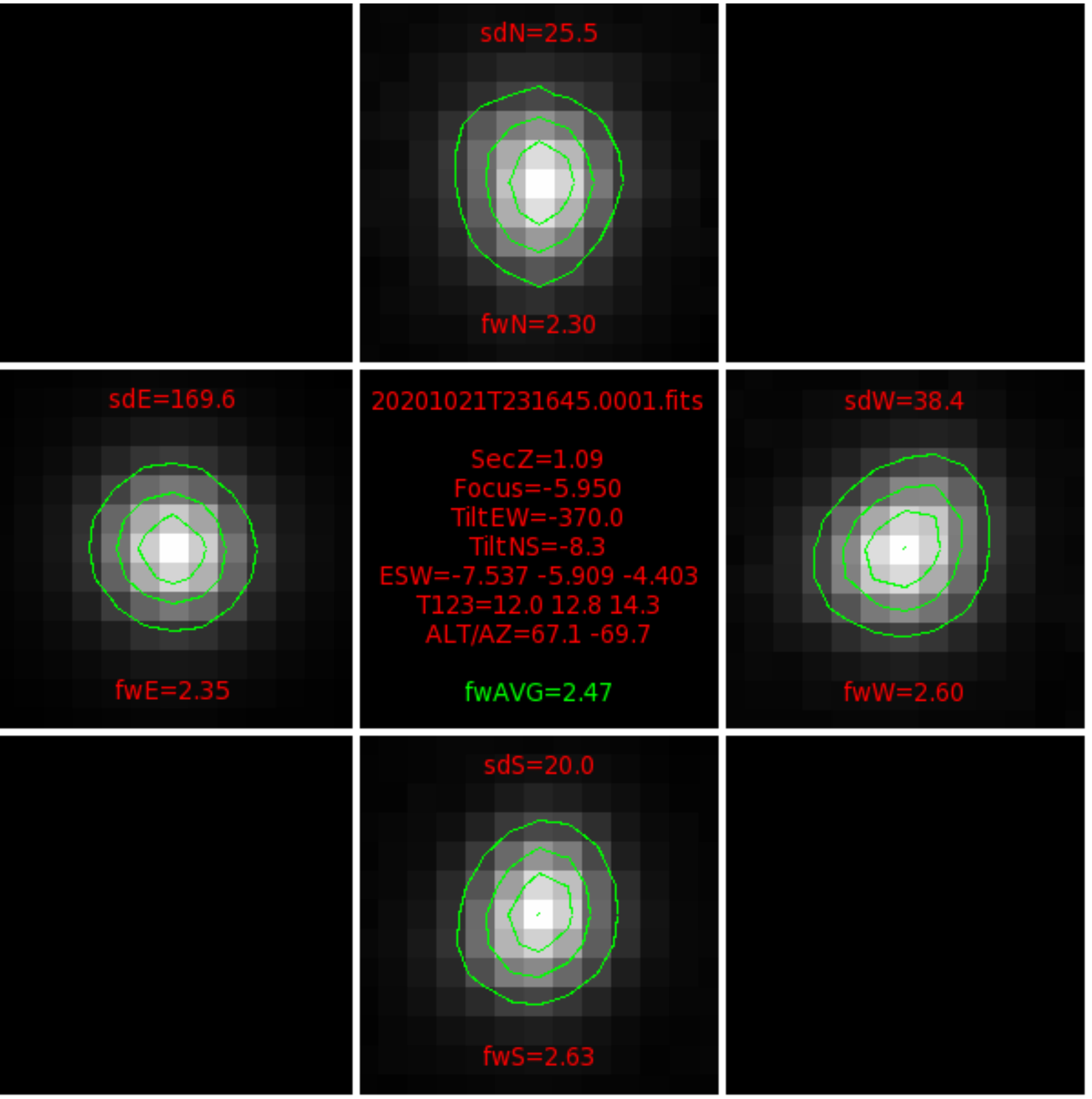
sdN=25.5
fwN=2.30
sdE=169.6
fwE=2.35
20201021T231645.0001.fits
SecZ=1.09
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=12.0 12.8 14.3
ALT/AZ=67.1 -69.7
fwAVG=2.47
sdW=38.4
fwW=2.60
sdS=20.0
fwS=2.63
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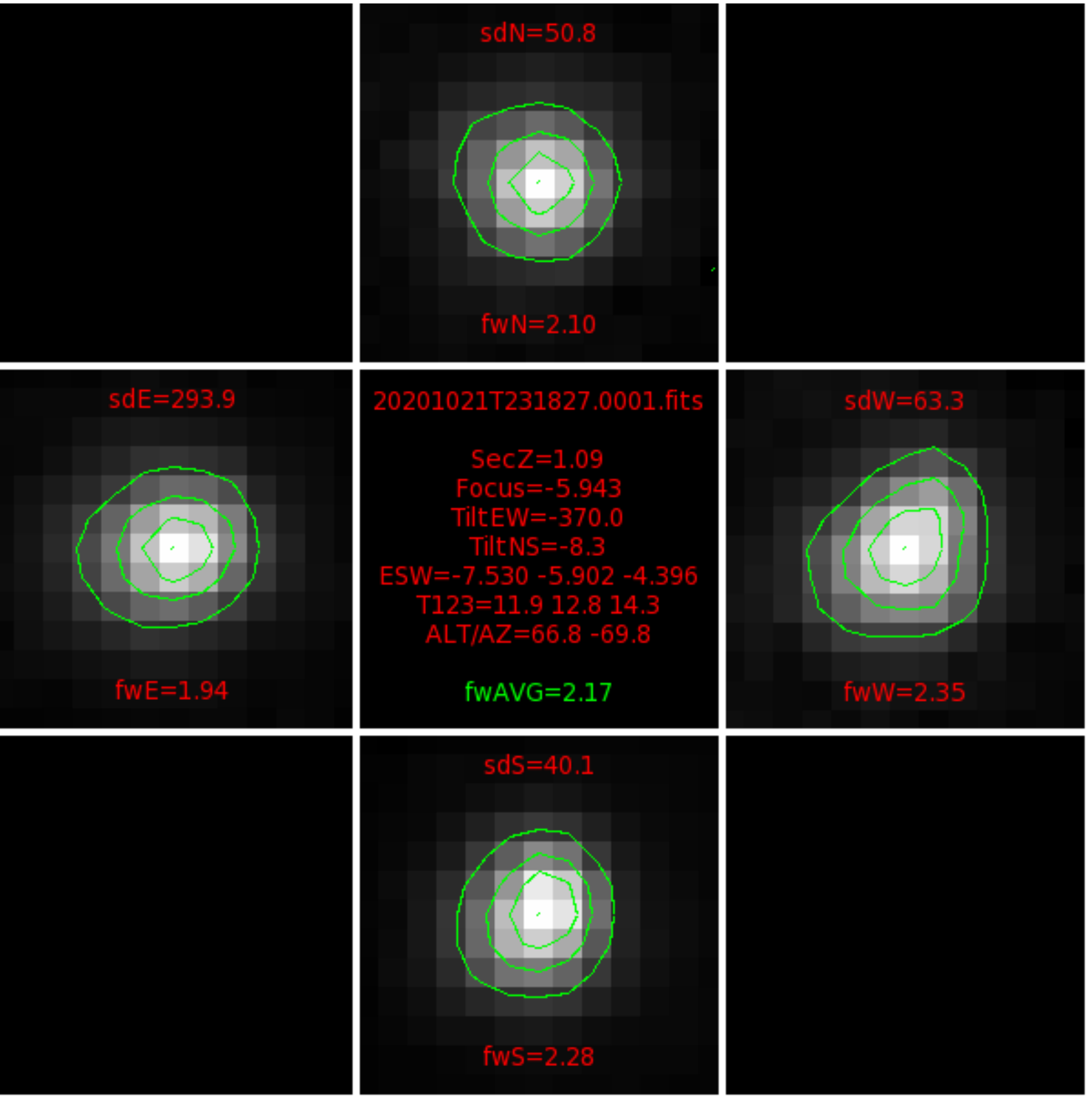
sdN=50.8
fwN=2.10
sdE=293.9
fwE=1.94
20201021T231827.0001.fits
SecZ=1.09
Focus=-5.943
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.530 -5.902 -4.396
T123=11.9 12.8 14.3
ALT/AZ=66.8 -69.8
fwAVG=2.17
sdW=63.3
fwW=2.35
sdS=40.1
fwS=2.28
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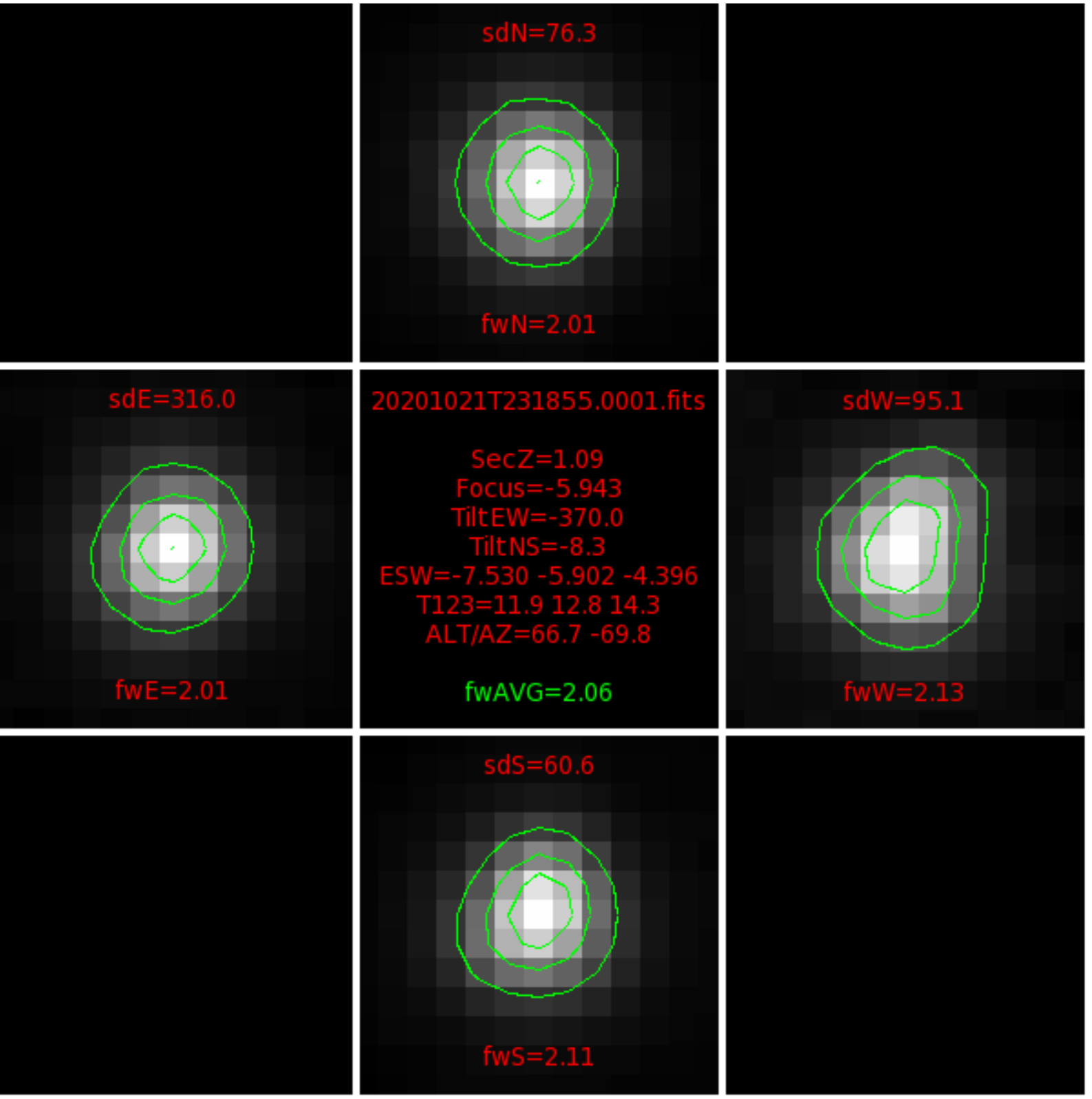
sdN=76.3
fwN=2.01
sdE=316.0
fwE=2.01
20201021T231855.0001.fits
SecZ=1.09
Focus=-5.943
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.530 -5.902 -4.396
T123=11.9 12.8 14.3
ALT/AZ=66.7 -69.8
fwAVG=2.06
sdW=95.1
fwW=2.13
sdS=60.6
fwS=2.11
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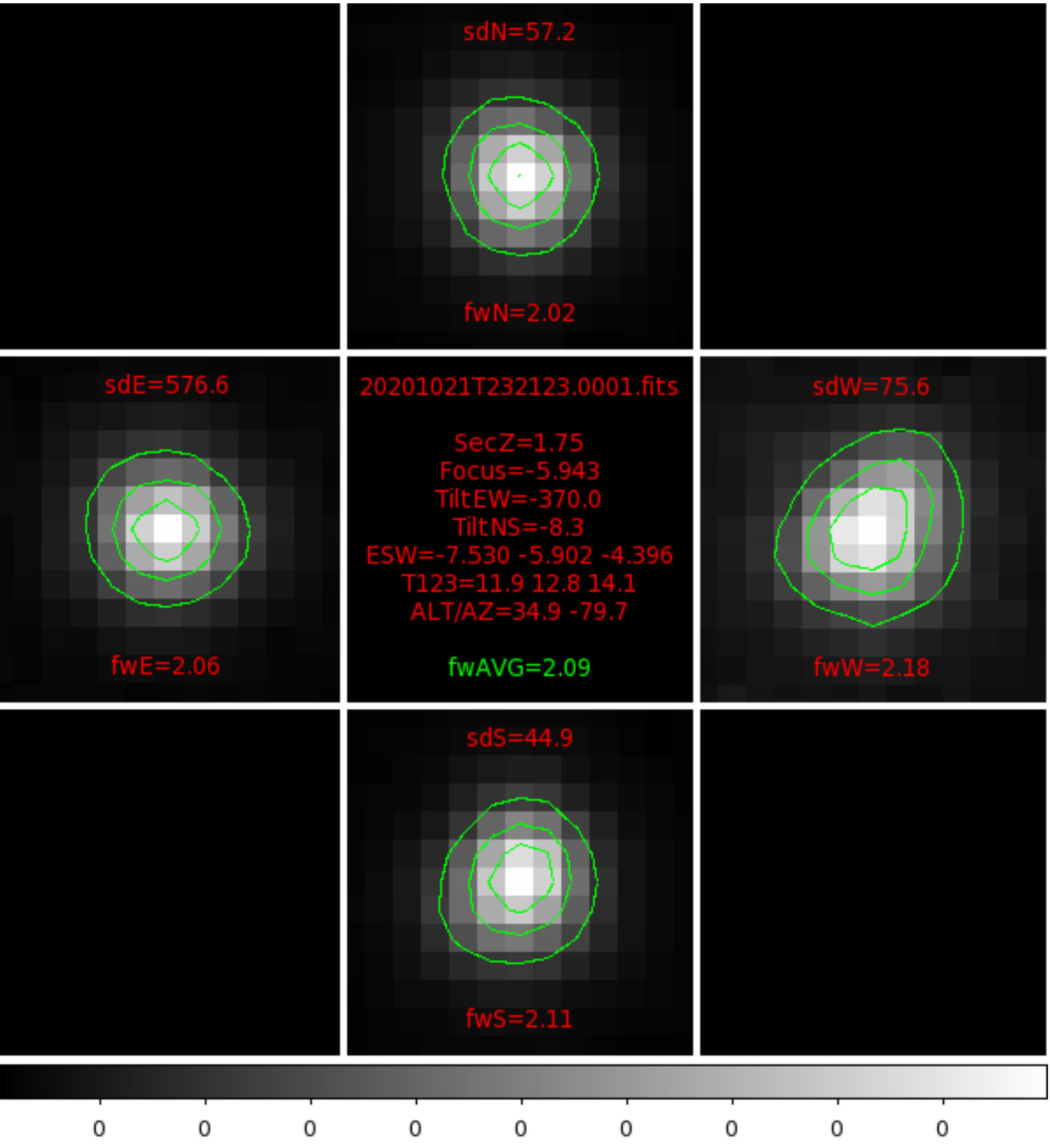
sdN=57.2
fwN=2.02
sdE=576.6
fwE=2.06
20201021T232123.0001.fits
SecZ=1.75
Focus=-5.943
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.530 -5.902 -4.396
T123=11.9 12.8 14.1
ALT/AZ=34.9 -79.7
fwAVG=2.09
sdW=75.6
fwW=2.18
sdS=44.9
fwS=2.11
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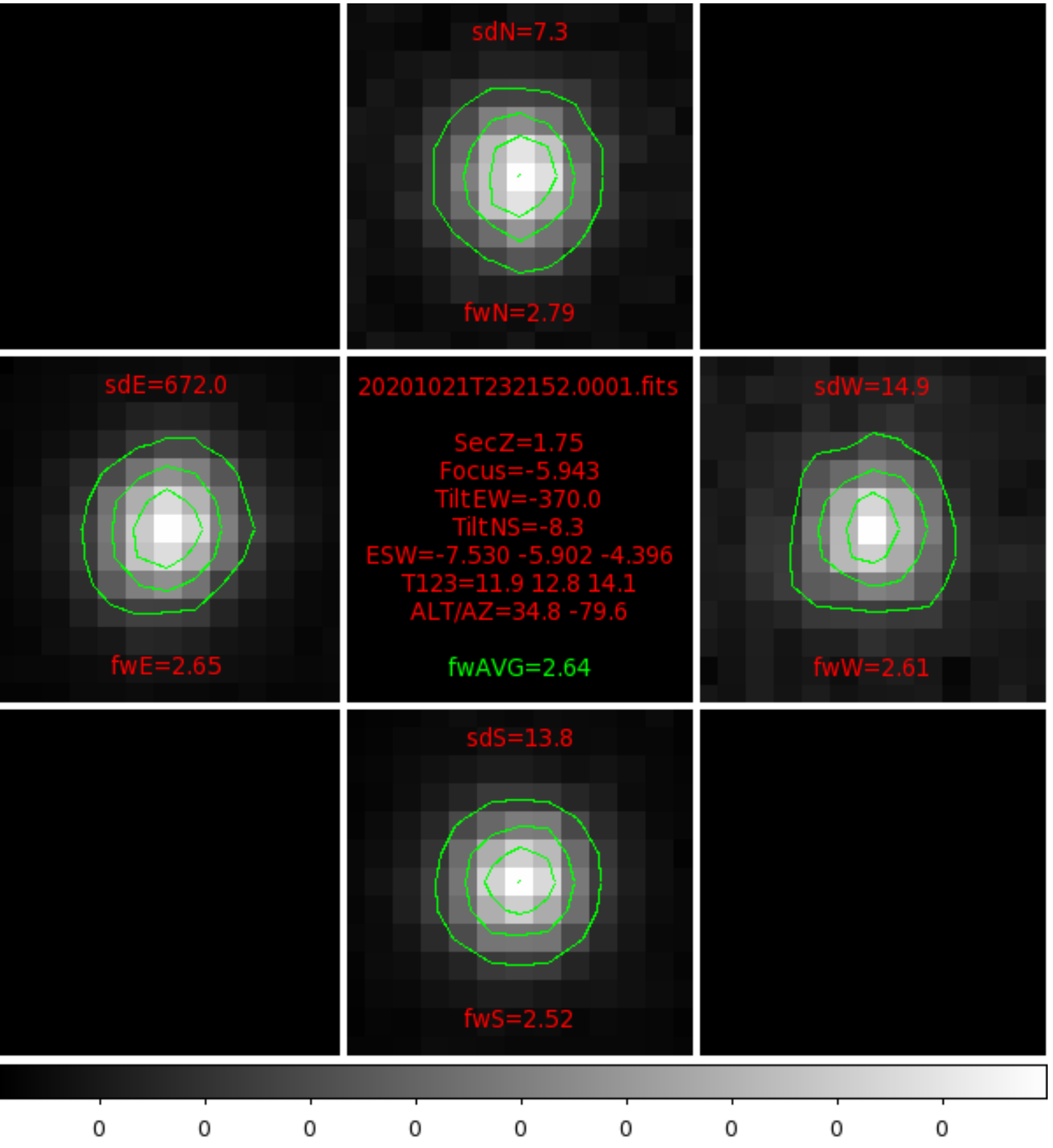
sdN=7.3
fwN=2.79
sdE=672.0
fwE=2.65
20201021T232152.0001.fits
SecZ=1.75
Focus=-5.943
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.530 -5.902 -4.396
T123=11.9 12.8 14.1
ALT/AZ=34.8 -79.6
fwAVG=2.64
sdW=14.9
fwW=2.61
sdS=13.8
fwS=2.52
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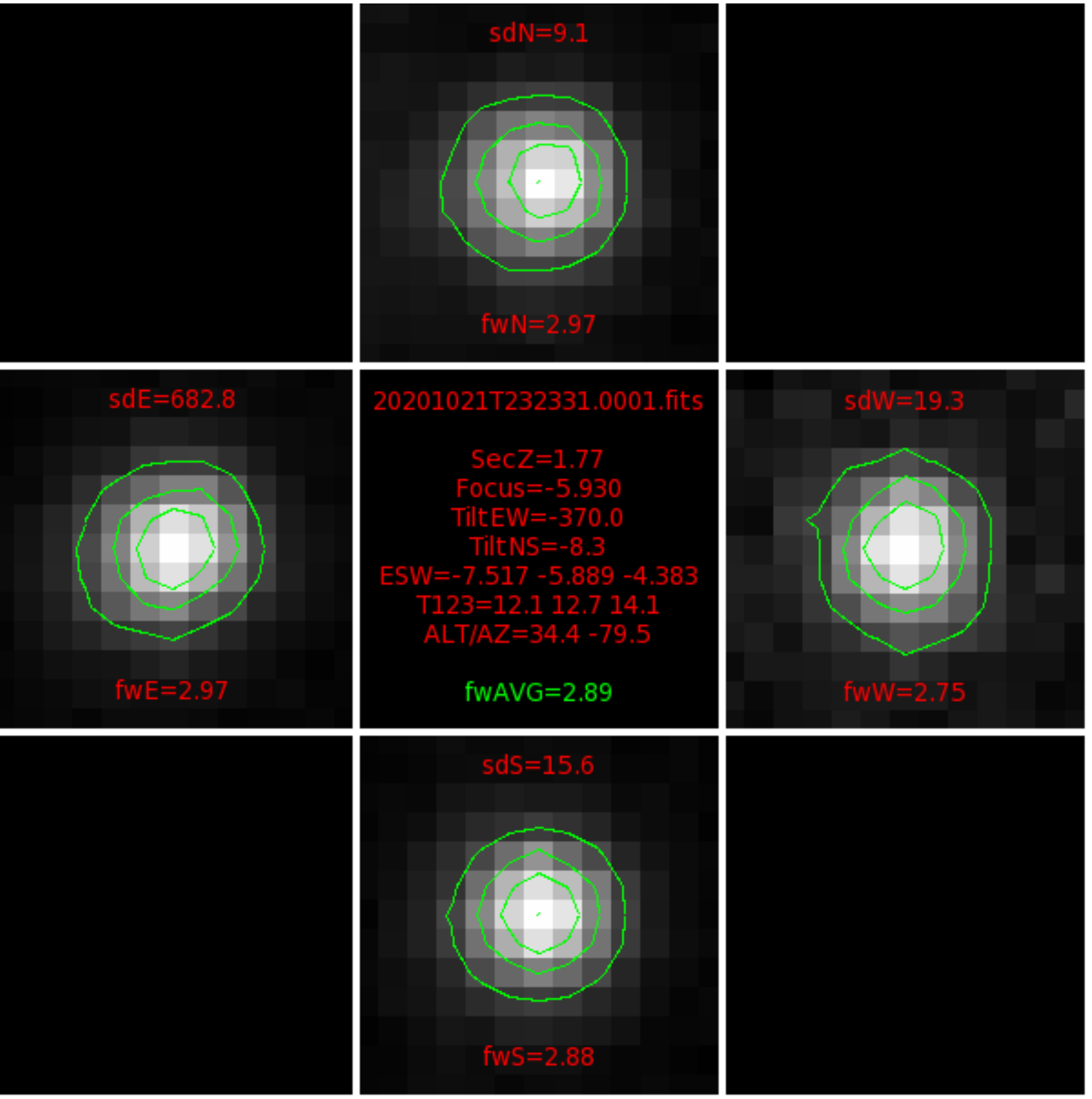
sdN=9.1
fwN=2.97
sdE=682.8
fwE=2.97
20201021T232331.0001.fits
SecZ=1.77
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=12.1 12.7 14.1
ALT/AZ=34.4 -79.5
fwAVG=2.89
sdW=19.3
fwW=2.75
sdS=15.6
fwS=2.88
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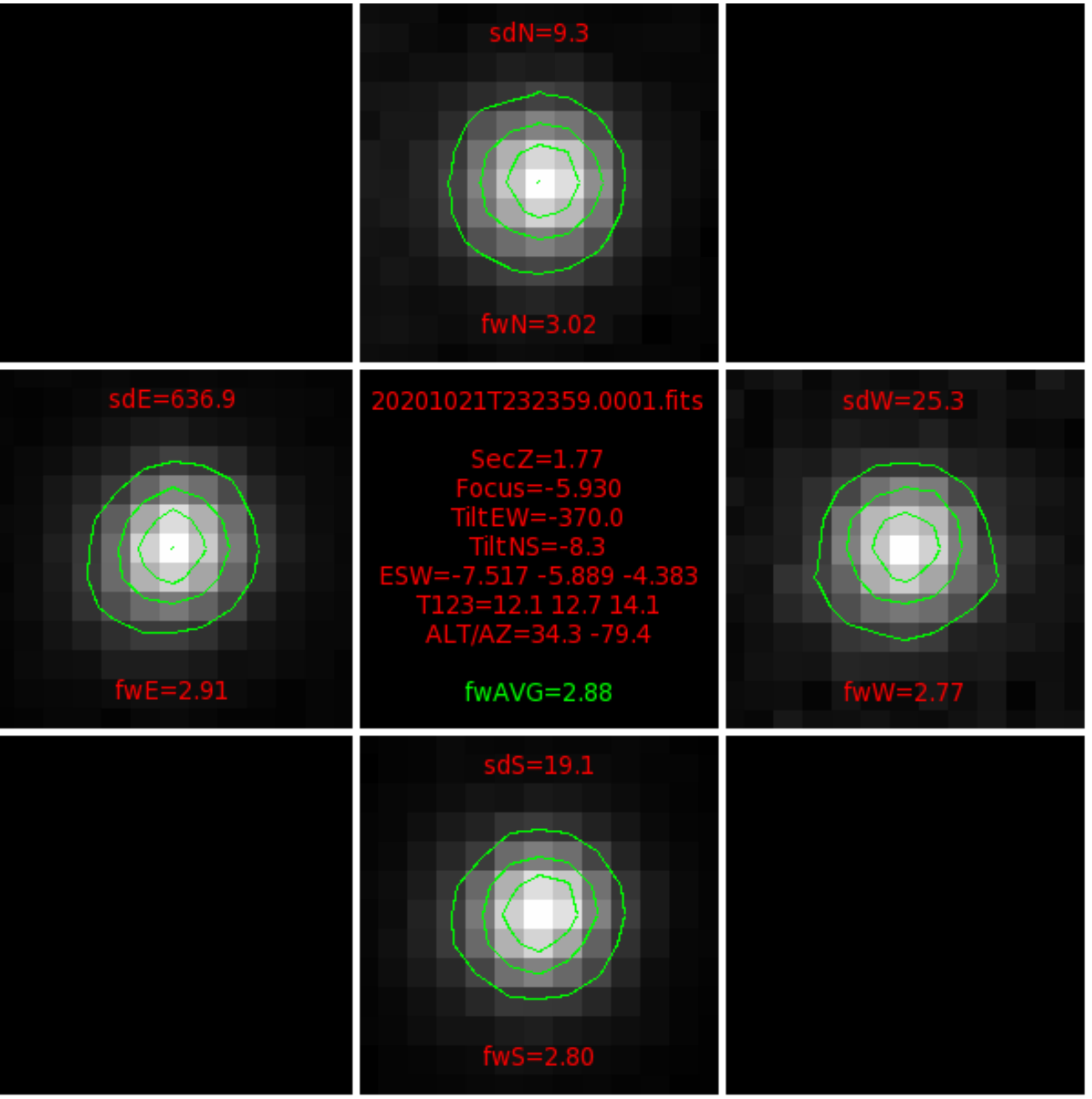
sdN=9.3
fwN=3.02
sdE=636.9
fwE=2.91
20201021T232359.0001.fits
SecZ=1.77
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=12.1 12.7 14.1
ALT/AZ=34.3 -79.4
fwAVG=2.88
sdW=25.3
fwW=2.77
sdS=19.1
fwS=2.80
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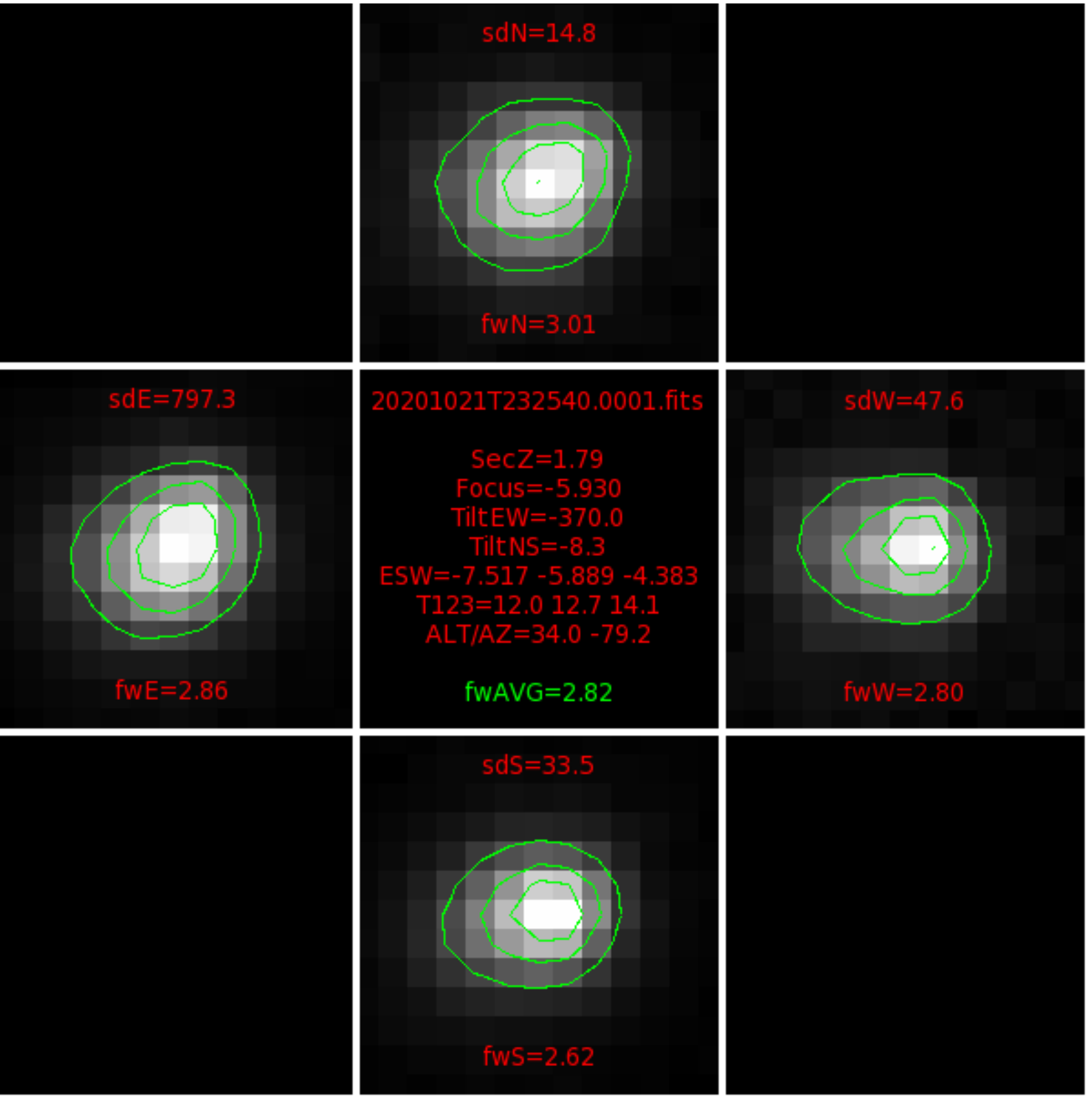
sdN=14.8
fwN=3.01
sdE=797.3
fwE=2.86
20201021T232540.0001.fits
SecZ=1.79
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=12.0 12.7 14.1
ALT/AZ=34.0 -79.2
fwAVG=2.82
sdW=47.6
fwW=2.80
sdS=33.5
fwS=2.62
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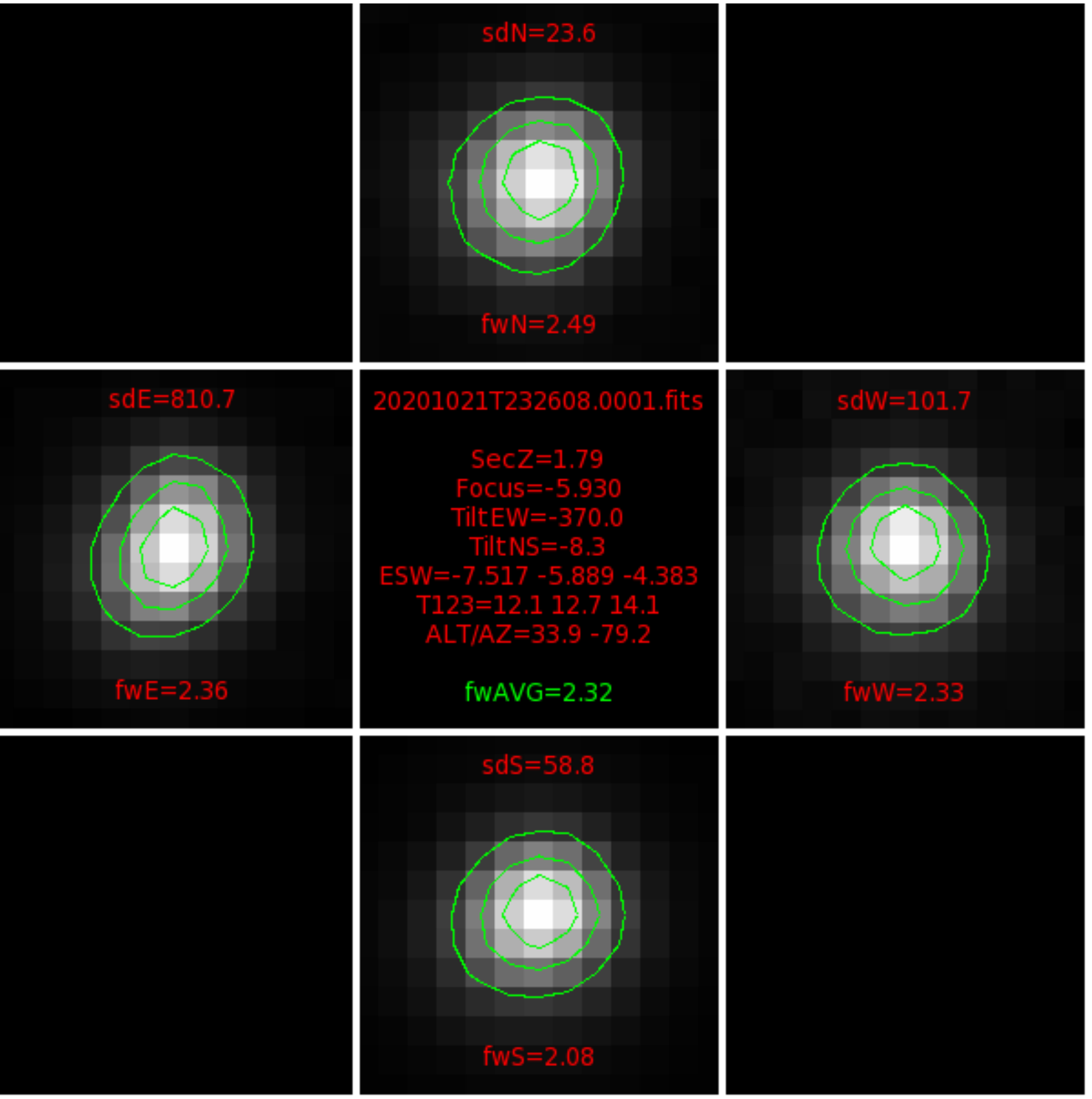
sdN=23.6
fwN=2.49
sdE=810.7
fwE=2.36
20201021T232608.0001.fits
SecZ=1.79
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=12.1 12.7 14.1
ALT/AZ=33.9 -79.2
fwAVG=2.32
sdW=101.7
fwW=2.33
sdS=58.8
fwS=2.08
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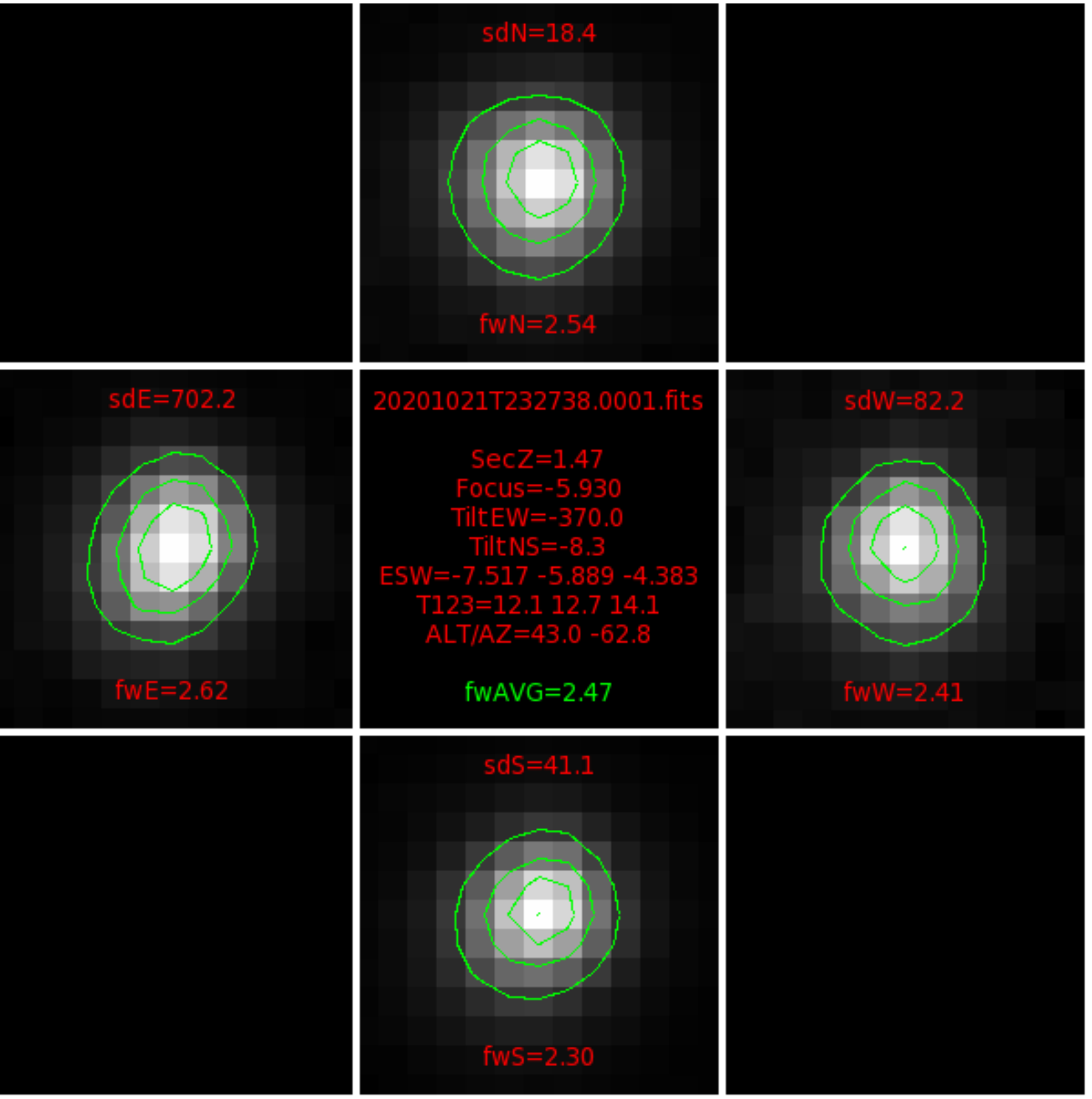
sdN=18.4
fwN=2.54
sdE=702.2
fwE=2.62
20201021T232738.0001.fits
SecZ=1.47
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=12.1 12.7 14.1
ALT/AZ=43.0 -62.8
fwAVG=2.47
sdW=82.2
fwW=2.41
sdS=41.1
fwS=2.30
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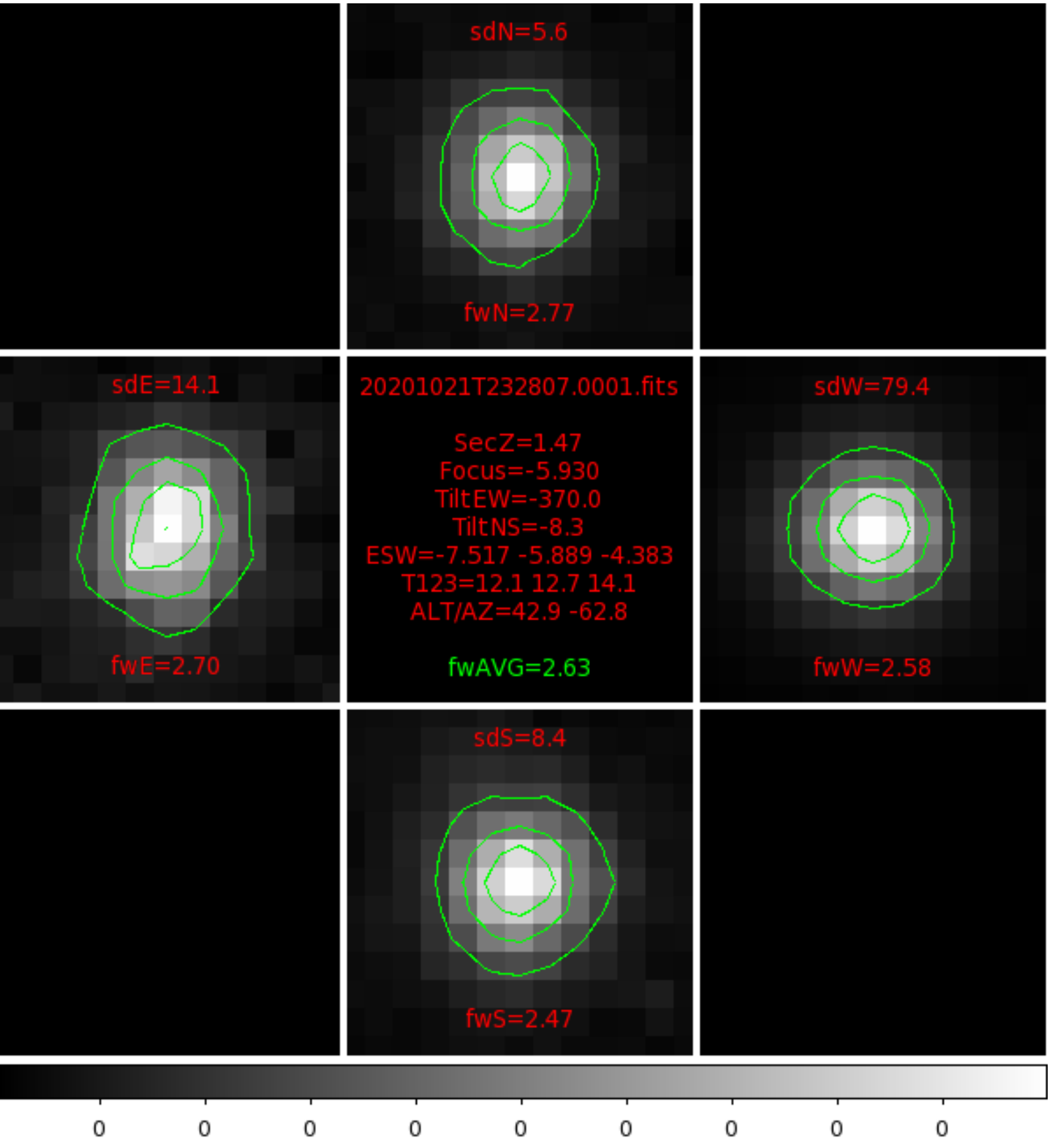
sdN=5.6
fwN=2.77
sdE=14.1
fwE=2.70
20201021T232807.0001.fits
SecZ=1.47
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=12.1 12.7 14.1
ALT/AZ=42.9 -62.8
fwAVG=2.63
sdW=79.4
fwW=2.58
sdS=8.4
fwS=2.47
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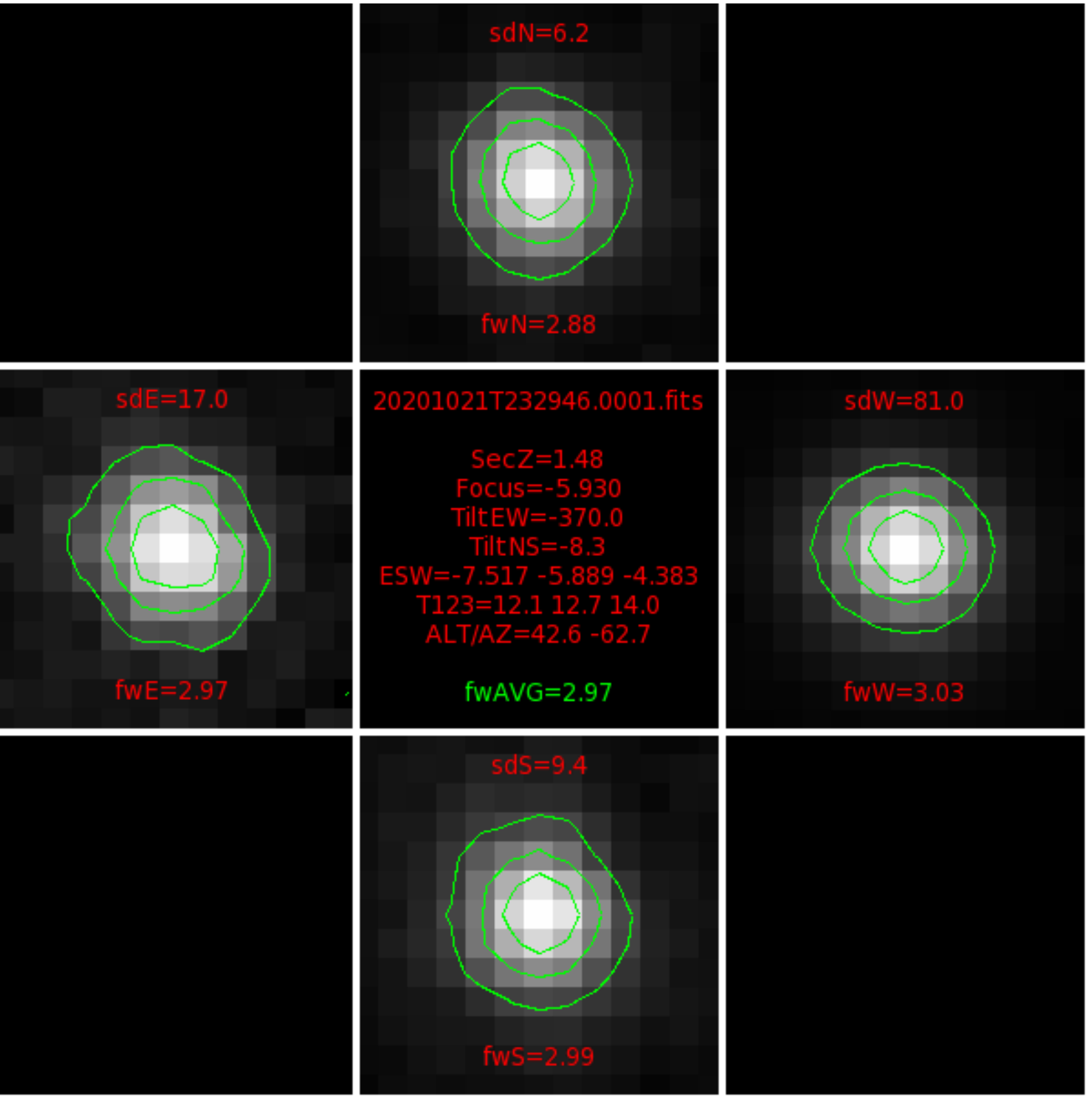
sdN=6.2
fwN=2.88
sdE=17.0
fwE=2.97
20201021T232946.0001.fits
SecZ=1.48
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=12.1 12.7 14.0
ALT/AZ=42.6 -62.7
fwAVG=2.97
sdW=81.0
fwW=3.03
sdS=9.4
fwS=2.99
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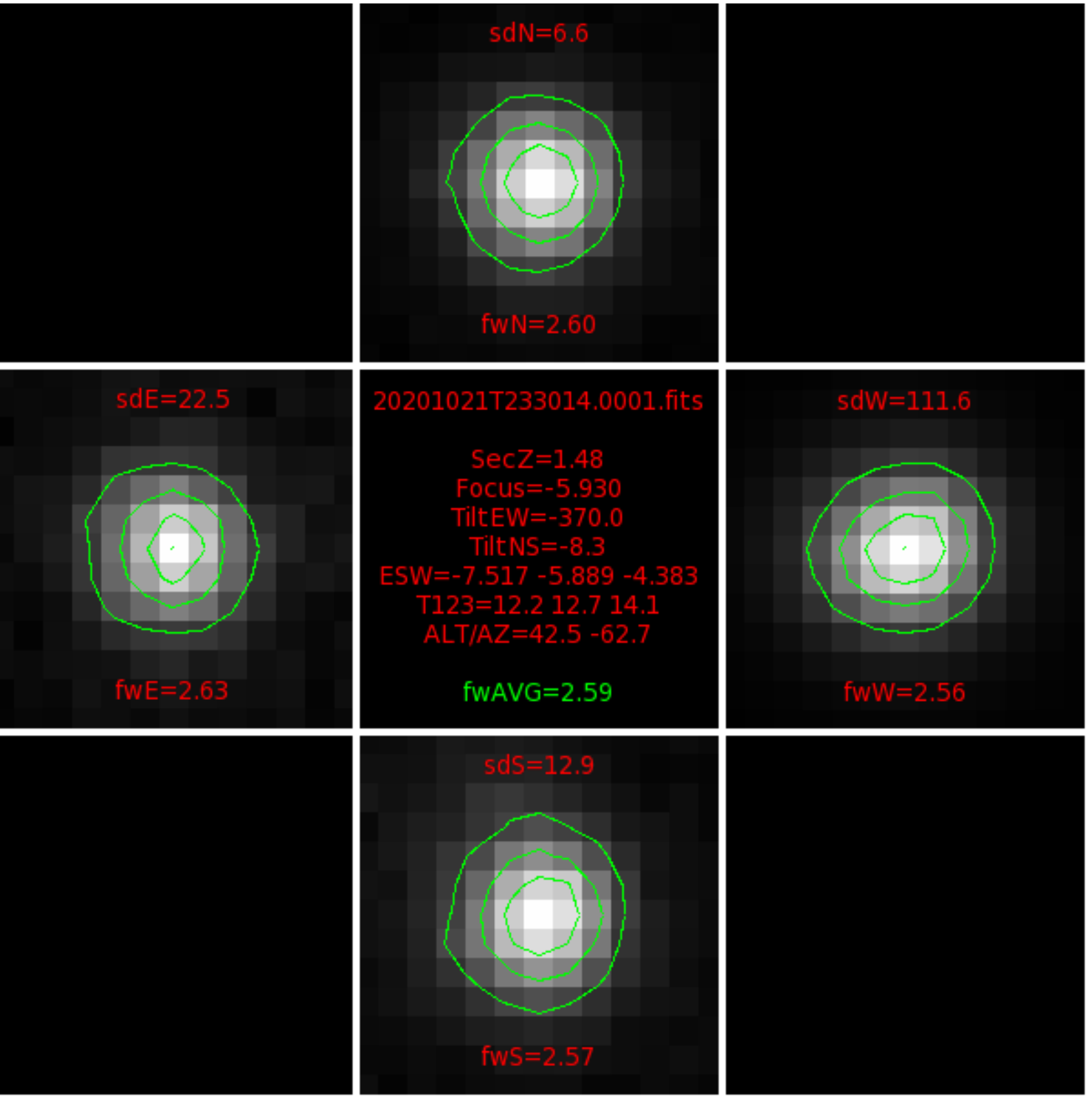
sdN=6.6
fwN=2.60
sdE=22.5
fwE=2.63
20201021T233014.0001.fits
SecZ=1.48
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=12.2 12.7 14.1
ALT/AZ=42.5 -62.7
fwAVG=2.59
sdW=111.6
fwW=2.56
sdS=12.9
fwS=2.57
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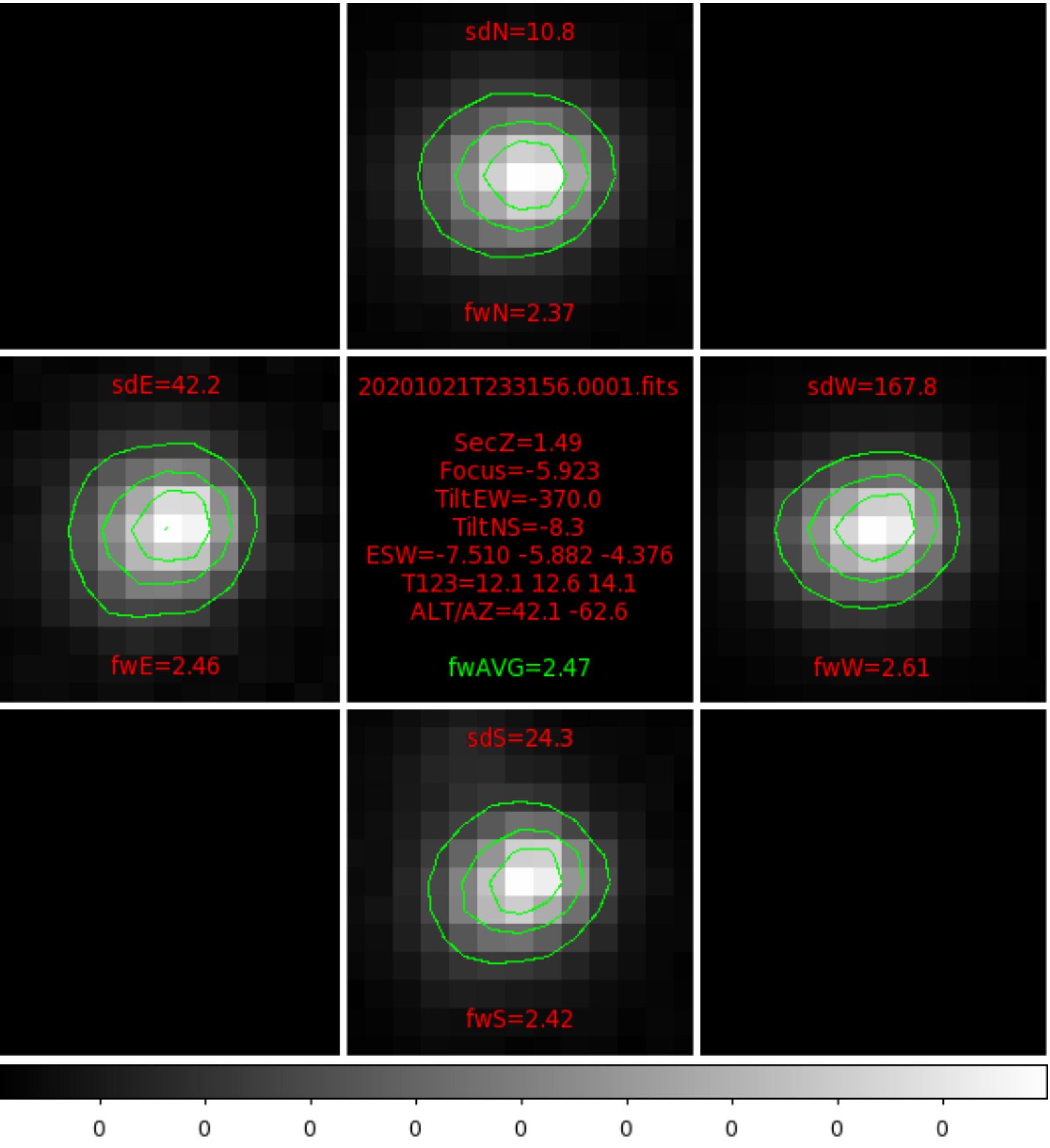
sdN=10.8
fwN=2.37
sdE=42.2
fwE=2.46
20201021T233156.0001.fits
SecZ=1.49
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=12.1 12.6 14.1
ALT/AZ=42.1 -62.6
fwAVG=2.47
sdW=167.8
fwW=2.61
sdS=24.3
fwS=2.42
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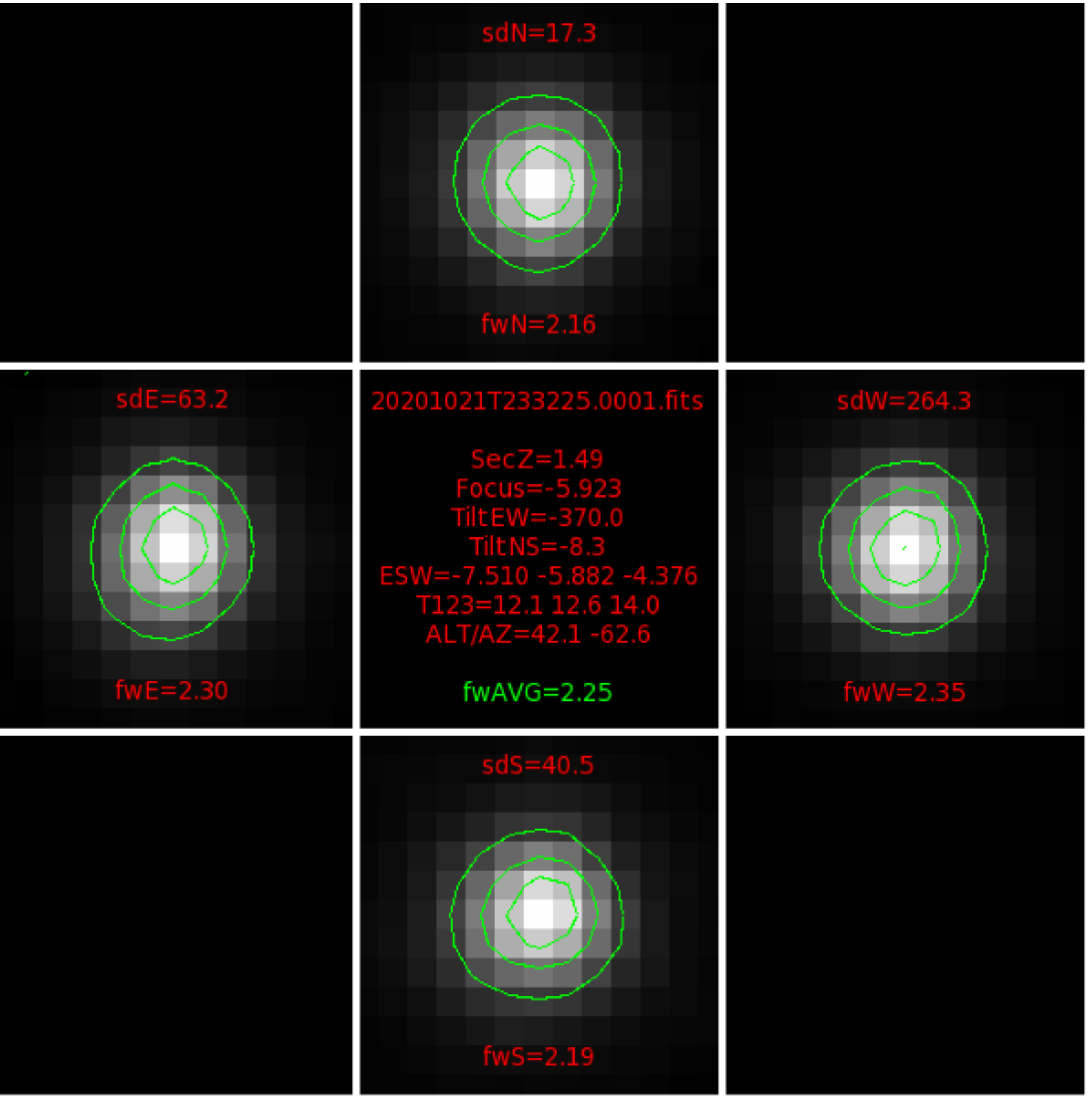
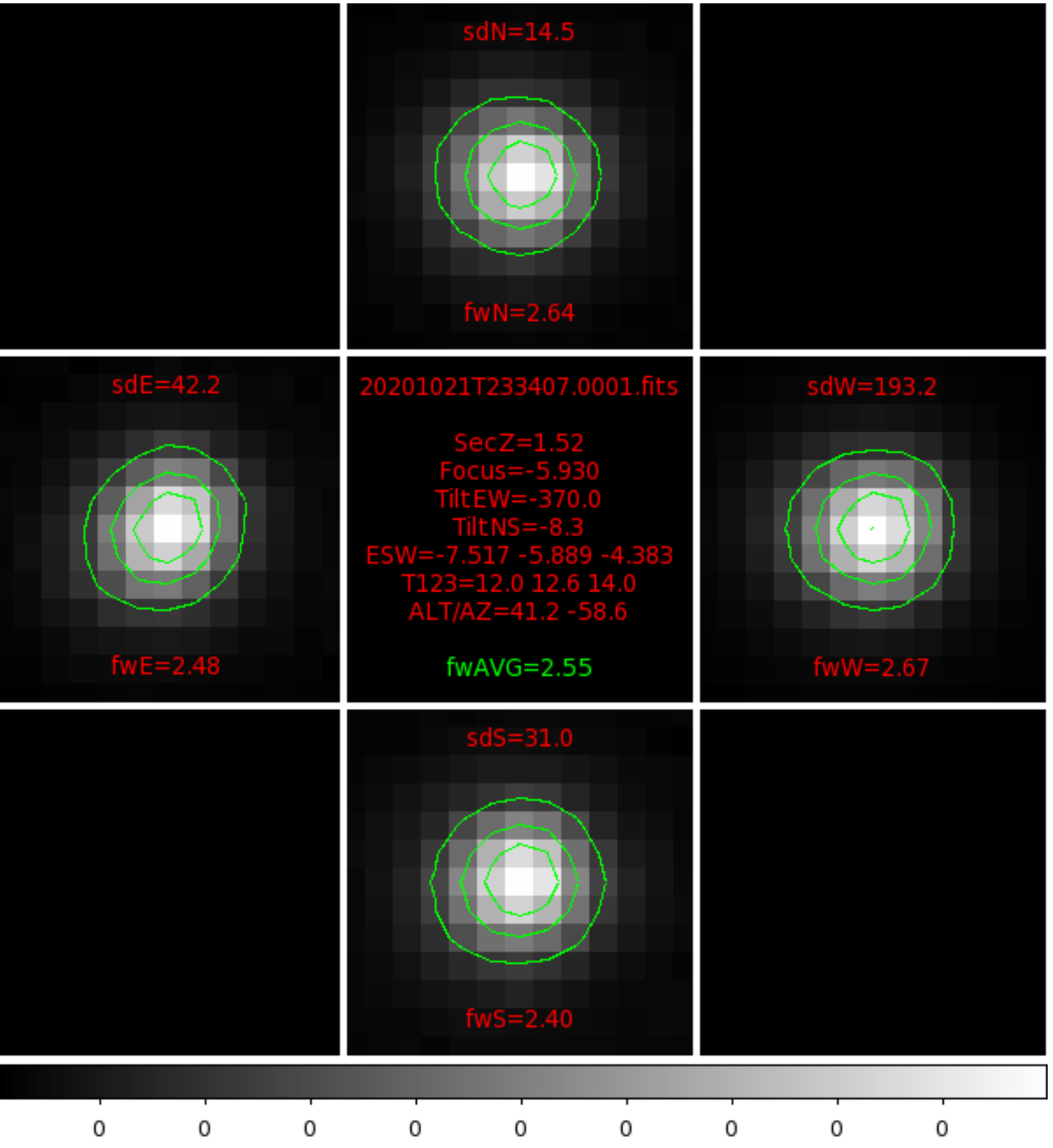
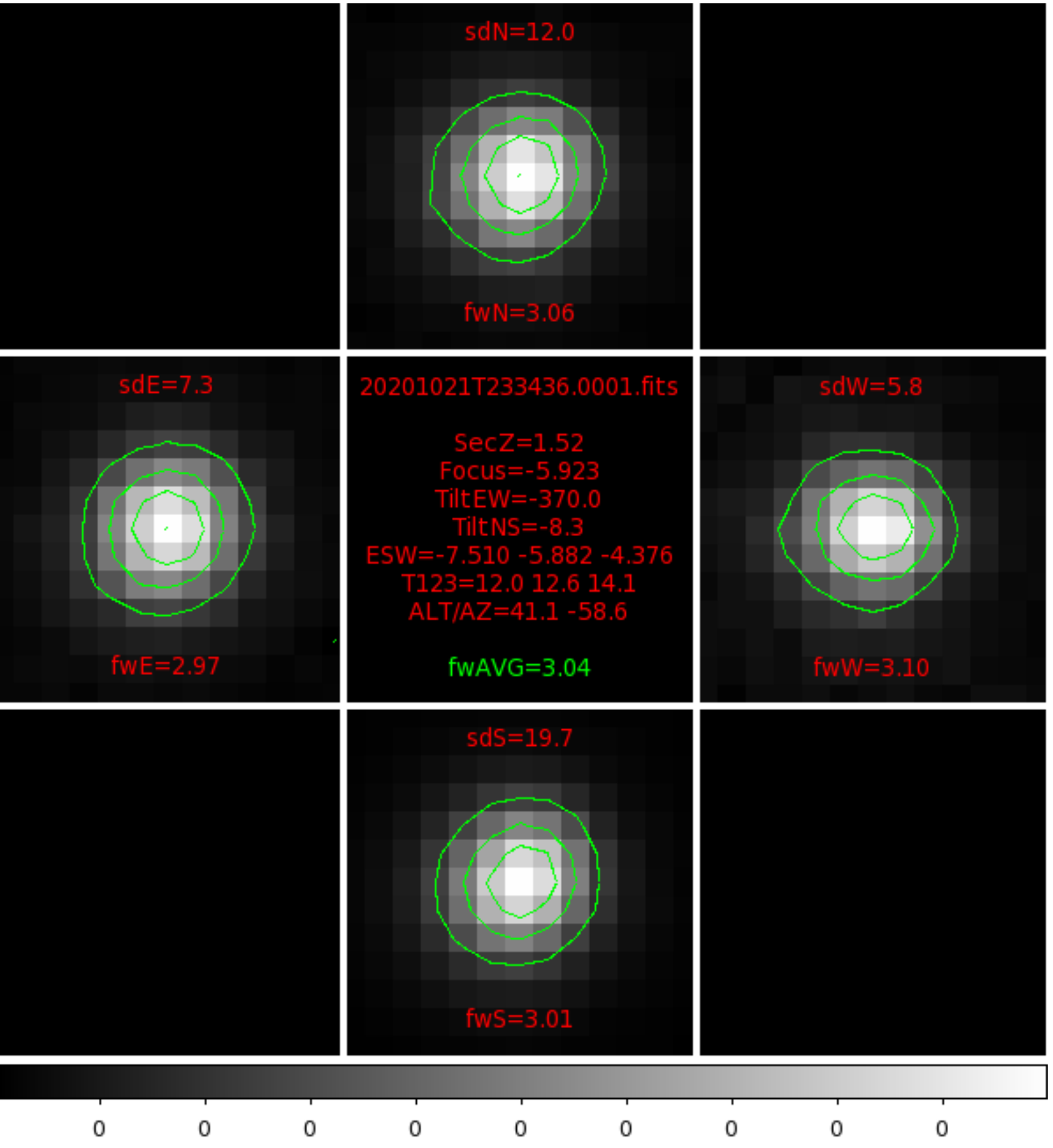
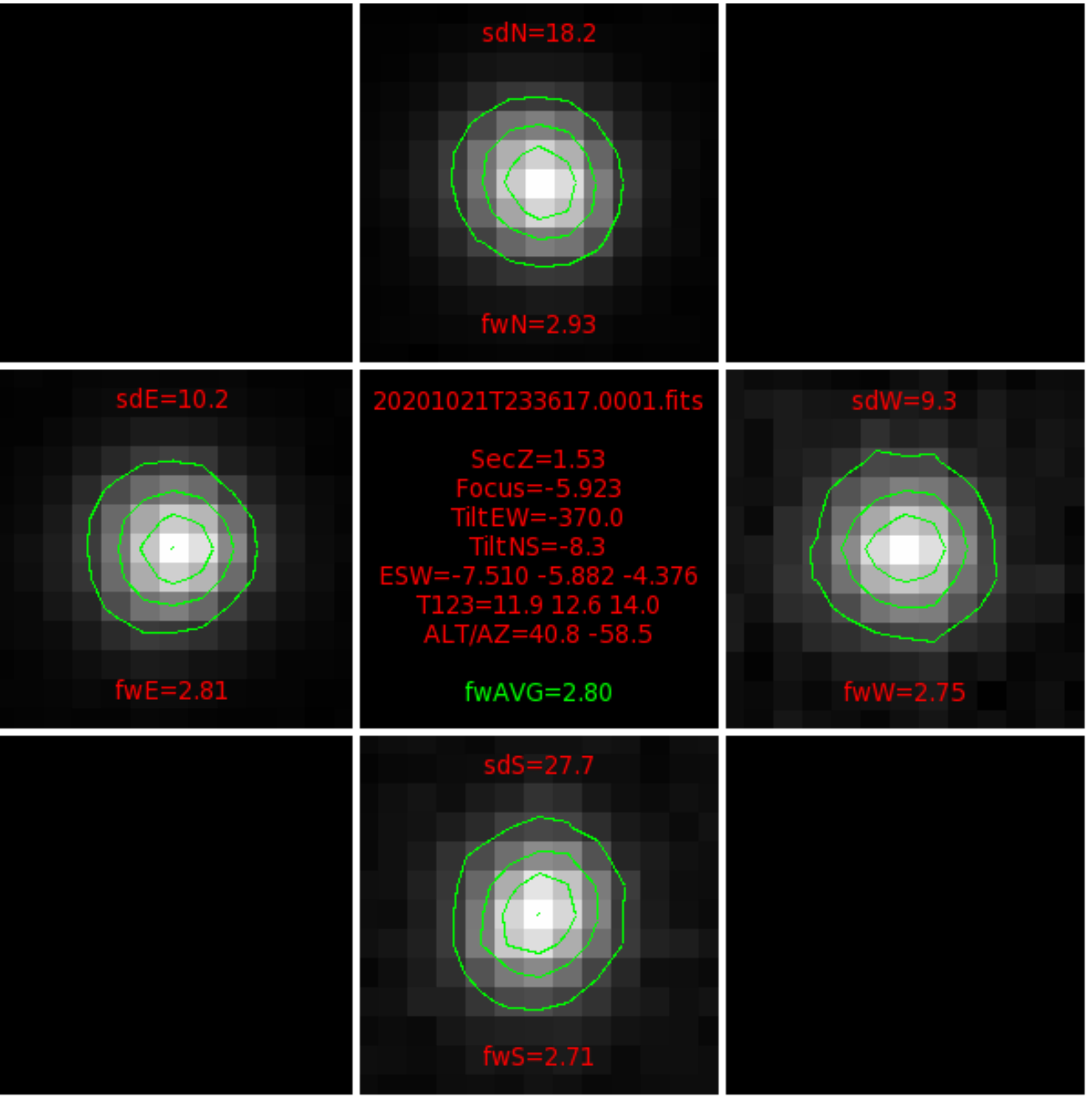

sdN=17.3
fwN=2.16
sdE=63.2
fwE=2.30
20201021T233225.0001.fits
SecZ=1.49
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=12.1 12.6 14.0
ALT/AZ=42.1 -62.6
fwAVG=2.25
sdW=264.3
fwW=2.35
sdS=40.5
fwS=2.19
0 0 0 0 0 0 0 0 0


sdN=14.5
fwN=2.64
sdE=42.2
fwE=2.48
20201021T233407.0001.fits
SecZ=1.52
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=12.0 12.6 14.0
ALT/AZ=41.2 -58.6
fwAVG=2.55
sdW=193.2
fwW=2.67
sdS=31.0
fwS=2.40
0 0 0 0 0 0 0 0 0


sdN=12.0
fwN=3.06
sdE=7.3
fwE=2.97
20201021T233436.0001.fits
SecZ=1.52
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=12.0 12.6 14.1
ALT/AZ=41.1 -58.6
fwAVG=3.04
sdW=5.8
fwW=3.10
sdS=19.7
fwS=3.01
0 0 0 0 0 0 0 0 0


sdN=18.2
fwN=2.93
sdE=10.2
fwE=2.81
20201021T233617.0001.fits
SecZ=1.53
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=11.9 12.6 14.0
ALT/AZ=40.8 -58.5
fwAVG=2.80
sdW=9.3
fwW=2.75
sdS=27.7
fwS=2.71
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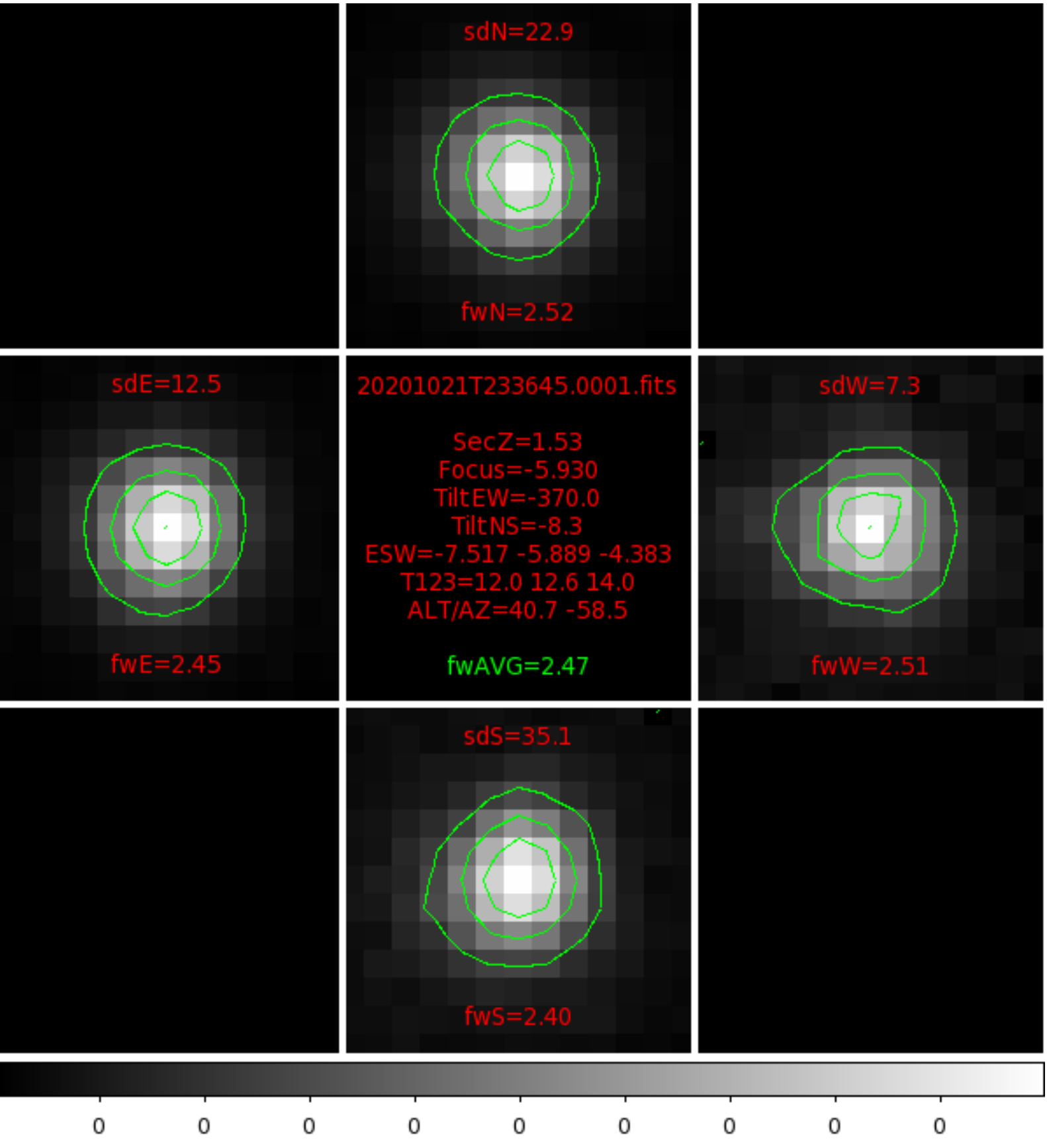
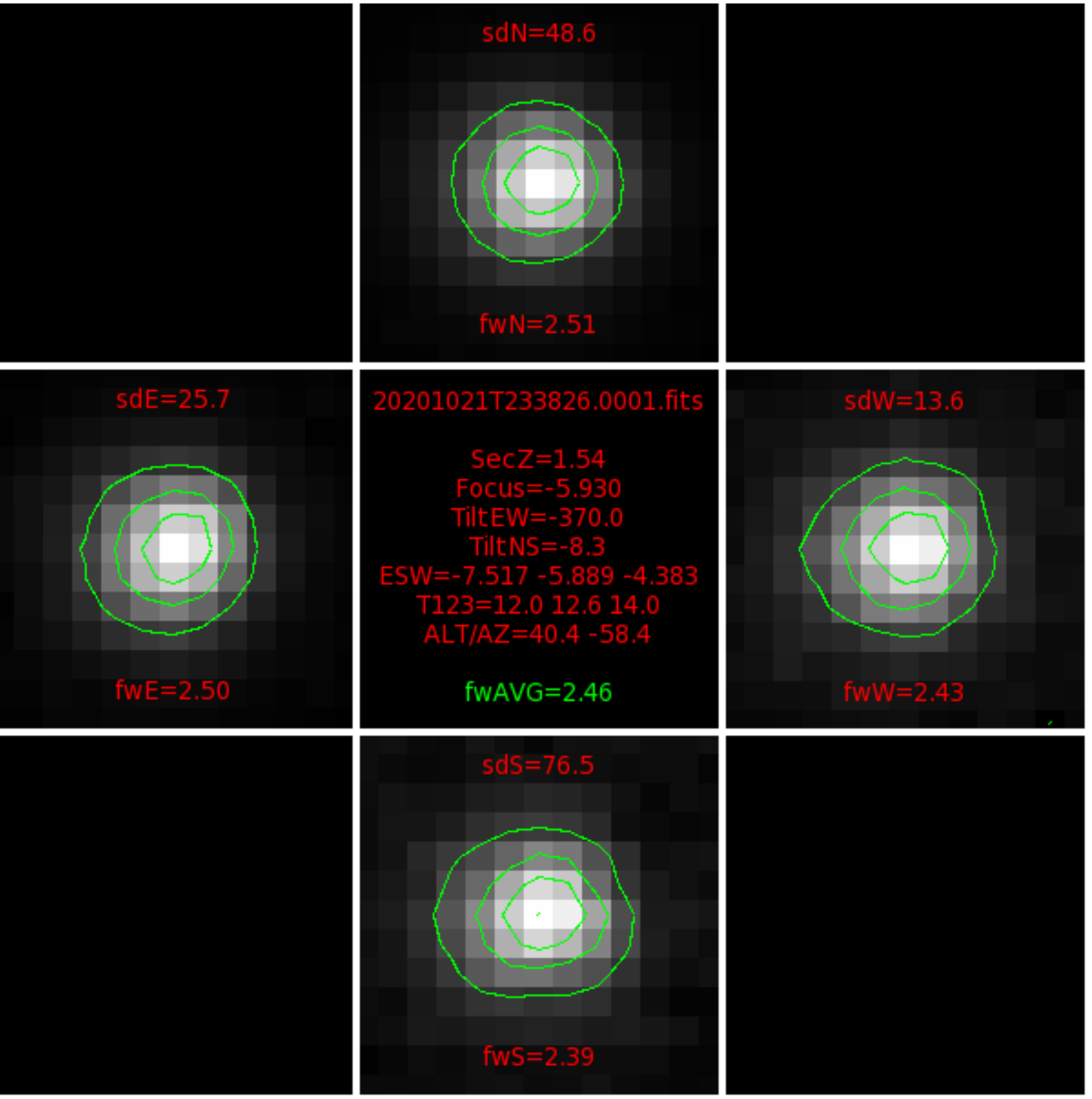
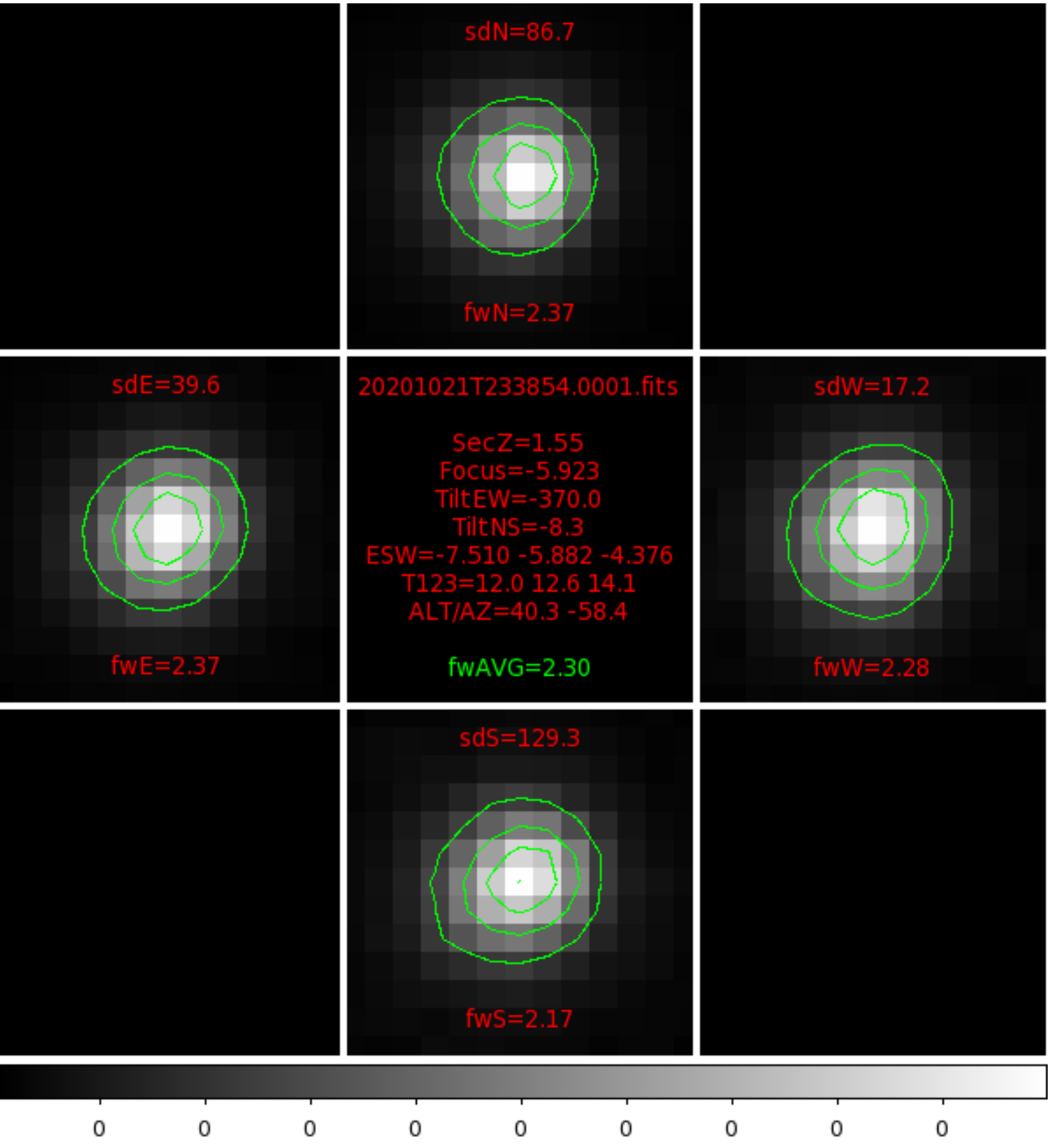
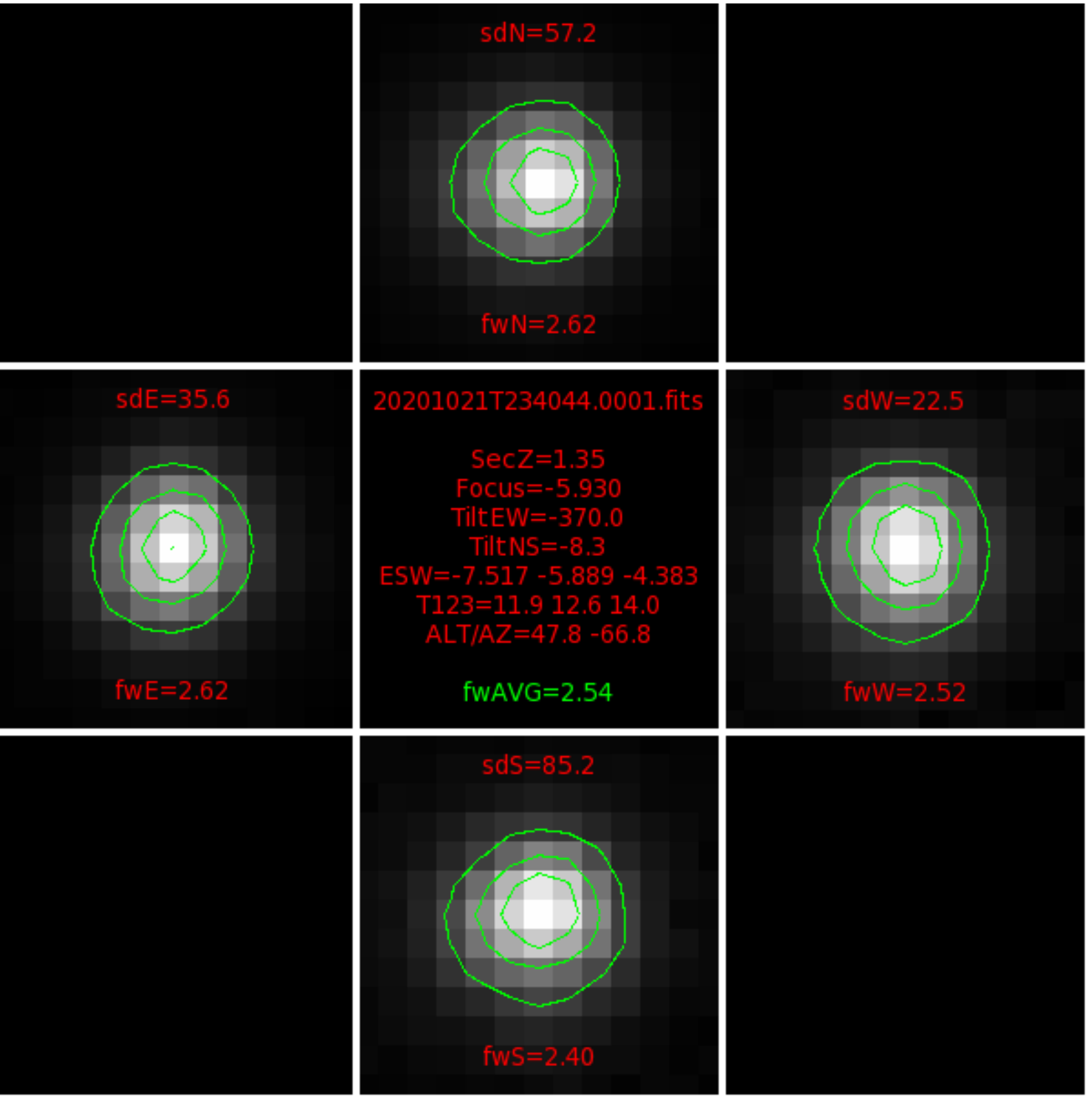
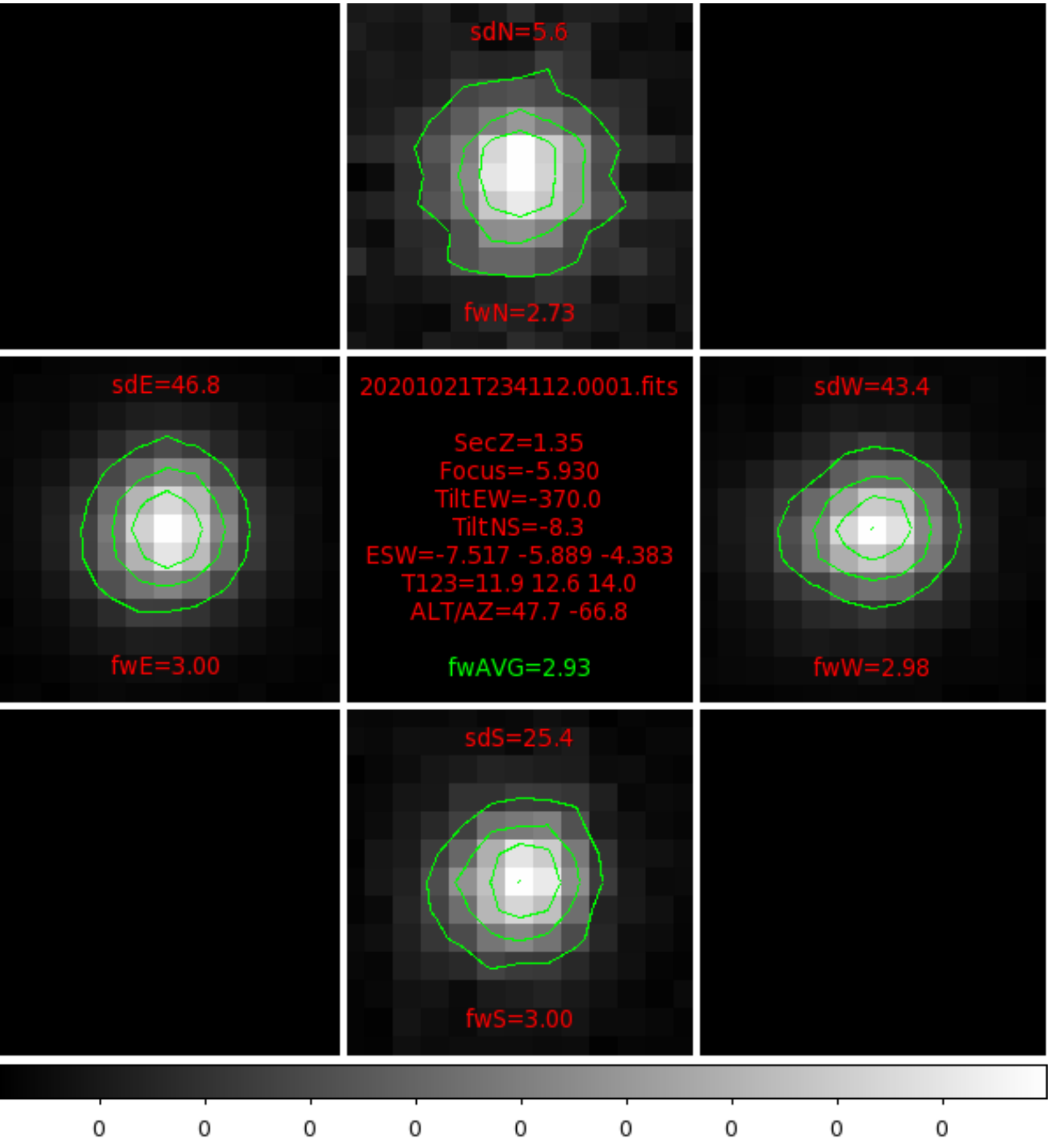

sdN=22.9
fwN=2.52
sdE=12.5
fwE=2.45
20201021T233645.0001.fits
SecZ=1.53
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=12.0 12.6 14.0
ALT/AZ=40.7 -58.5
fwAVG=2.47
sdW=7.3
fwW=2.51
sdS=35.1
fwS=2.40
0 0 0 0 0 0 0 0 0


sdN=48.6
fwN=2.51
sdE=25.7
fwE=2.50
20201021T233826.0001.fits
SecZ=1.54
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=12.0 12.6 14.0
ALT/AZ=40.4 -58.4
fwAVG=2.46
sdW=13.6
fwW=2.43
sdS=76.5
fwS=2.39
0 0 0 0 0 0 0 0 0


sdN=86.7
fwN=2.37
sdE=39.6
fwE=2.37
20201021T233854.0001.fits
SecZ=1.55
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=12.0 12.6 14.1
ALT/AZ=40.3 -58.4
fwAVG=2.30
sdW=17.2
fwW=2.28
sdS=129.3
fwS=2.17
0 0 0 0 0 0 0 0 0


sdN=57.2
fwN=2.62
sdE=35.6
fwE=2.62
20201021T234044.0001.fits
SecZ=1.35
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=11.9 12.6 14.0
ALT/AZ=47.8 -66.8
fwAVG=2.54
sdW=22.5
fwW=2.52
sdS=85.2
fwS=2.40
0 0 0 0 0 0 0 0 0


sdN=5.6
fwN=2.73
sdE=46.8
fwE=3.00
20201021T234112.0001.fits
SecZ=1.35
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=11.9 12.6 14.0
ALT/AZ=47.7 -66.8
fwAVG=2.93
sdW=43.4
fwW=2.98
sdS=25.4
fwS=3.00
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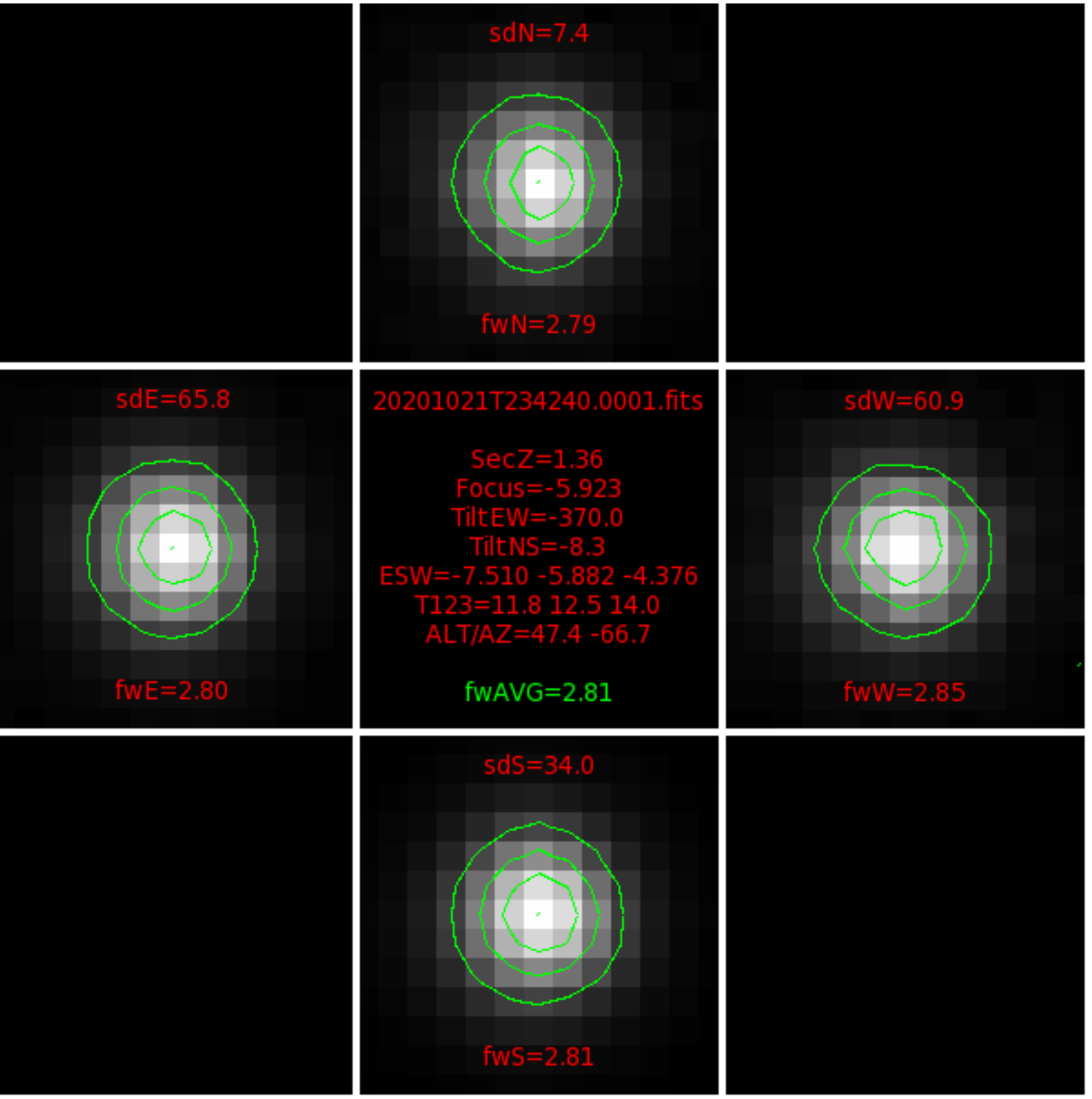
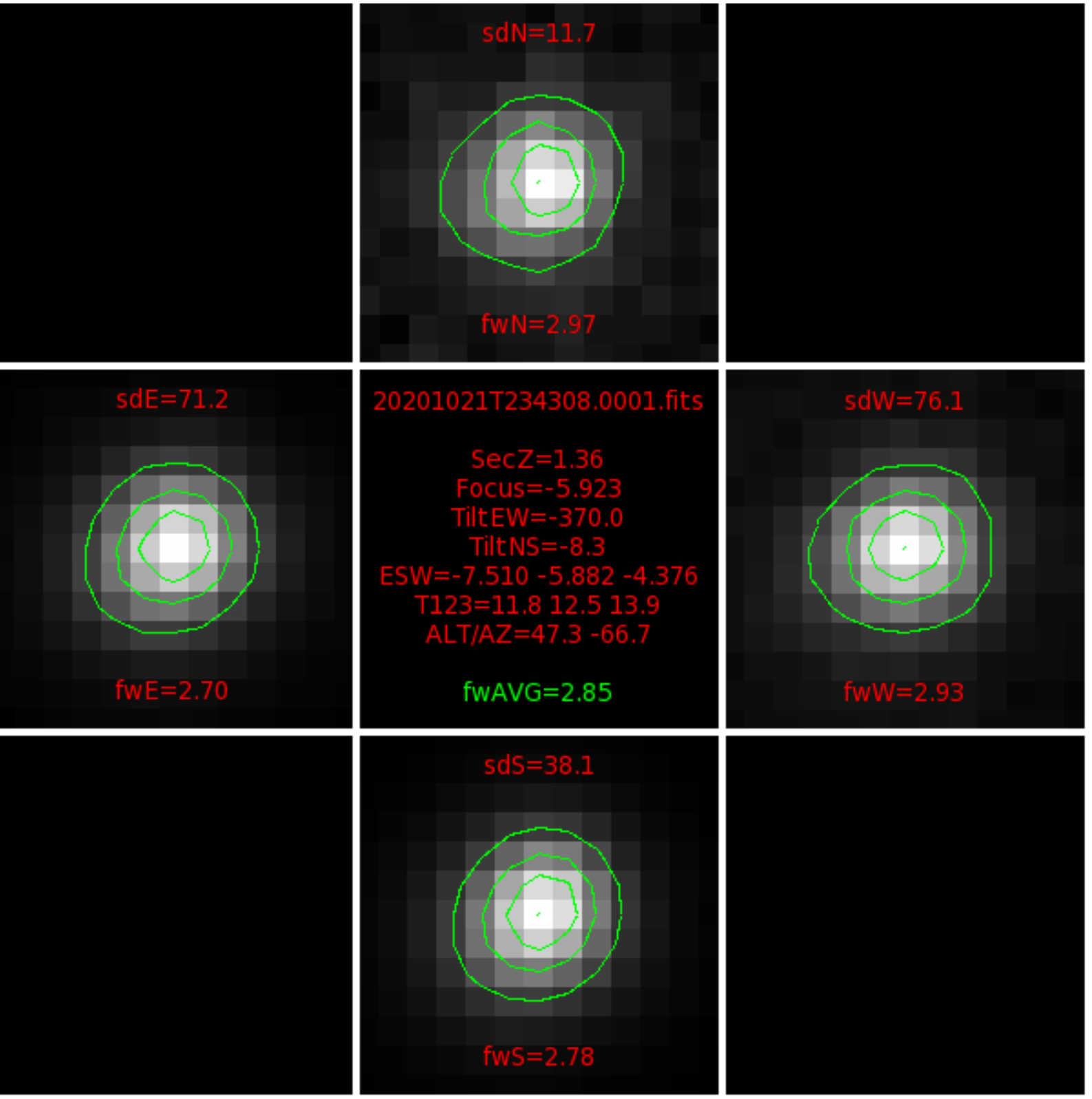

sdN=7.4
fwN=2.79
sdE=65.8
fwE=2.80
20201021T234240.0001.fits
SecZ=1.36
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=11.8 12.5 14.0
ALT/AZ=47.4 -66.7
fwAVG=2.81
sdW=60.9
fwW=2.85
sdS=34.0
fwS=2.81
0 0 0 0 0 0 0 0 0


sdN=11.7
fwN=2.97
sdE=71.2
fwE=2.70
20201021T234308.0001.fits
SecZ=1.36
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=11.8 12.5 13.9
ALT/AZ=47.3 -66.7
fwAVG=2.85
sdW=76.1
fwW=2.93
sdS=38.1
fwS=2.78
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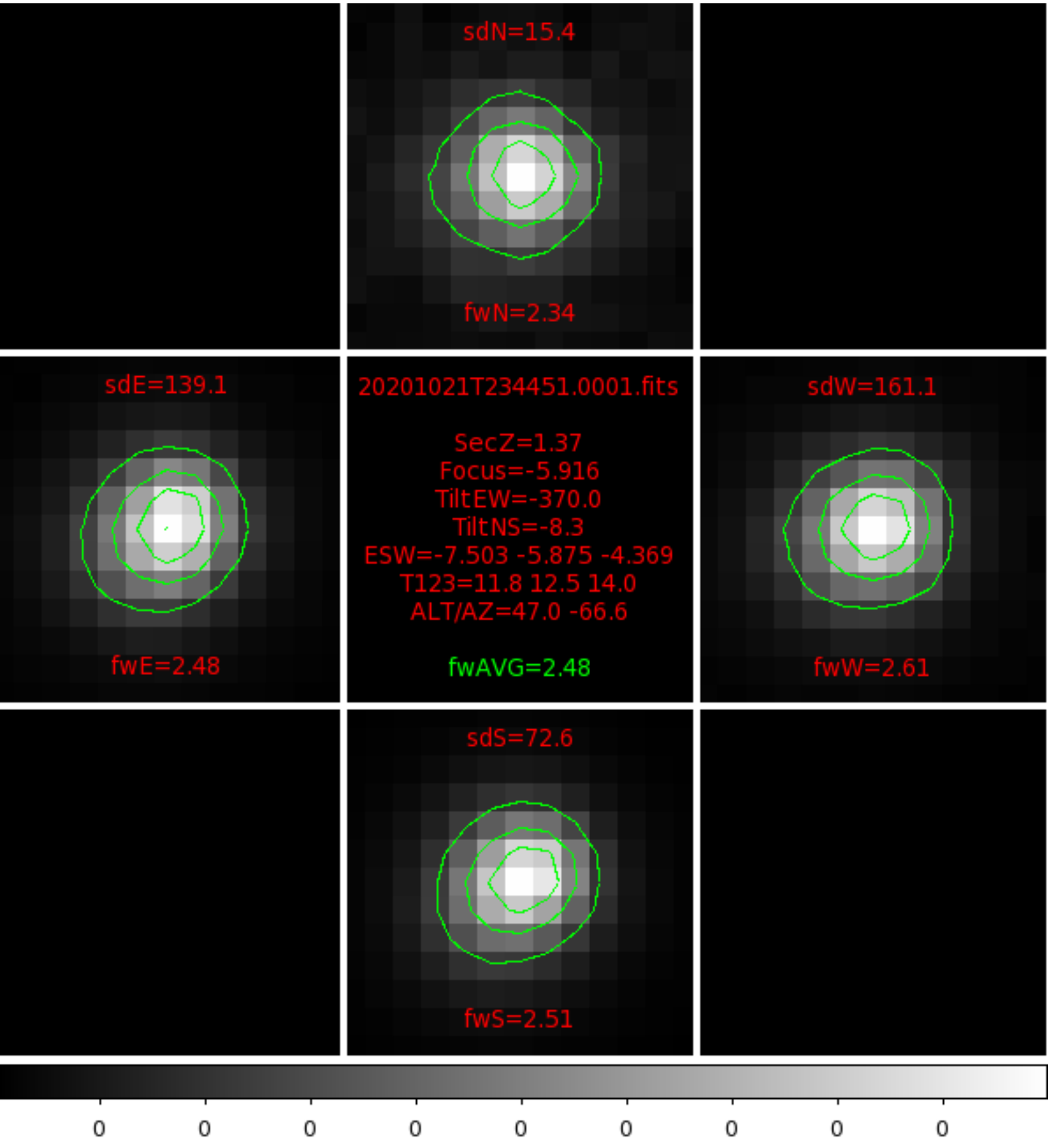
sdN=15.4
fwN=2.34
sdE=139.1
fwE=2.48
20201021T234451.0001.fits
SecZ=1.37
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=11.8 12.5 14.0
ALT/AZ=47.0 -66.6
fwAVG=2.48
sdW=161.1
fwW=2.61
sdS=72.6
fwS=2.51
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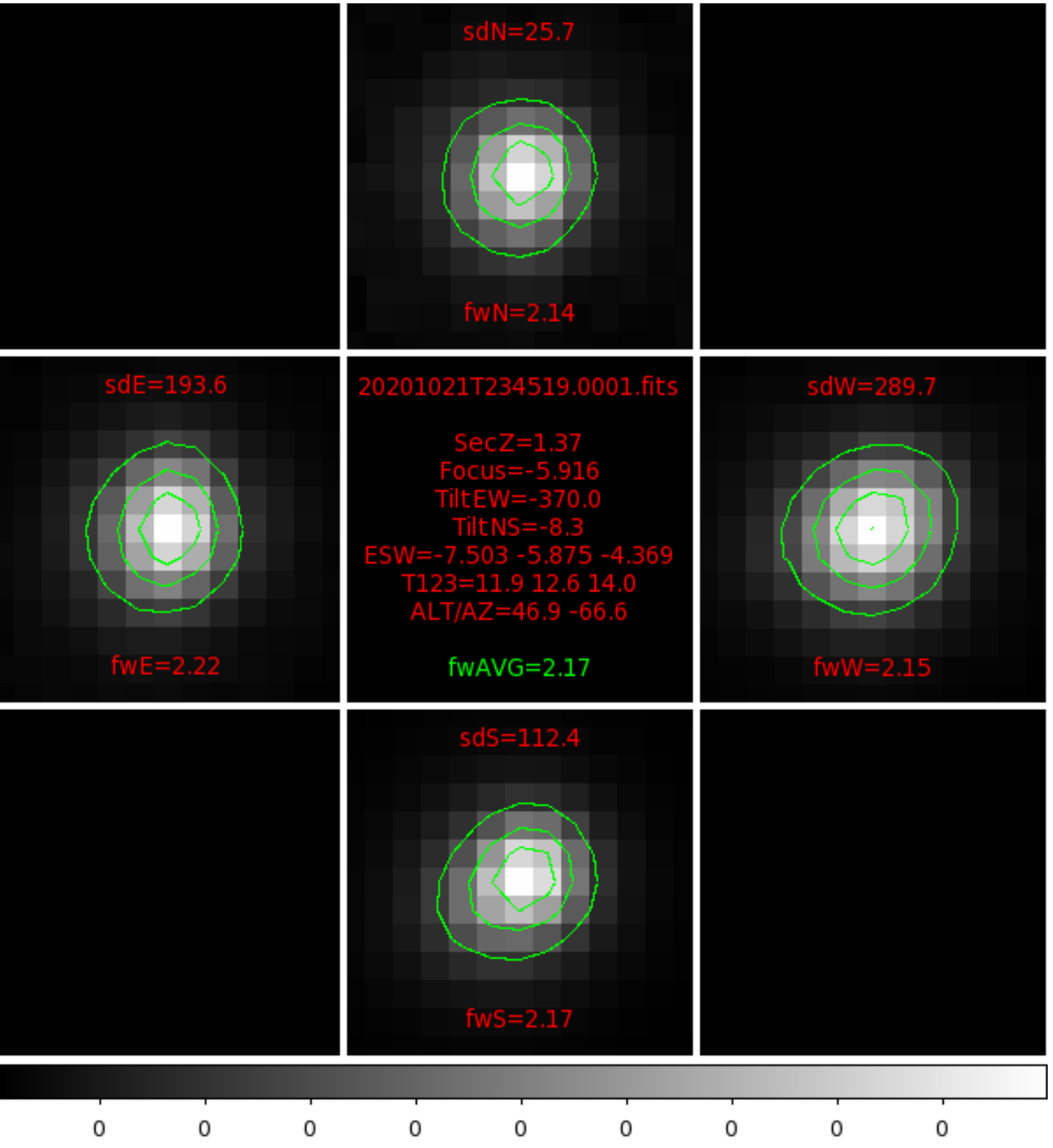
sdN=25.7
fwN=2.14
sdE=193.6
fwE=2.22
20201021T234519.0001.fits
SecZ=1.37
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=11.9 12.6 14.0
ALT/AZ=46.9 -66.6
fwAVG=2.17
sdW=289.7
fwW=2.15
sdS=112.4
fwS=2.17
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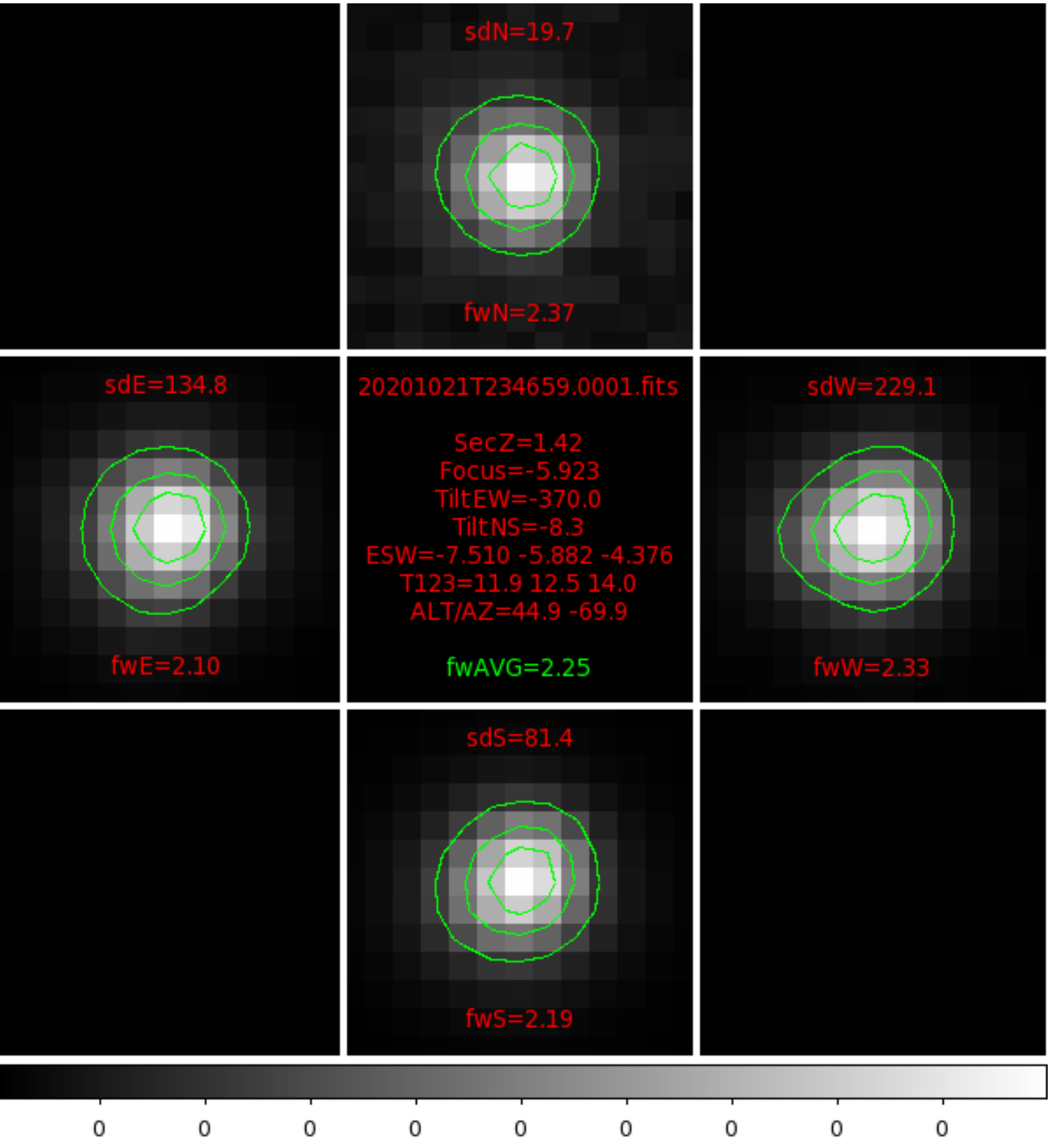
sdN=19.7
fwN=2.37
sdE=134.8
fwE=2.10
20201021T234659.0001.fits
SecZ=1.42
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=11.9 12.5 14.0
ALT/AZ=44.9 -69.9
fwAVG=2.25
sdW=229.1
fwW=2.33
sdS=81.4
fwS=2.19
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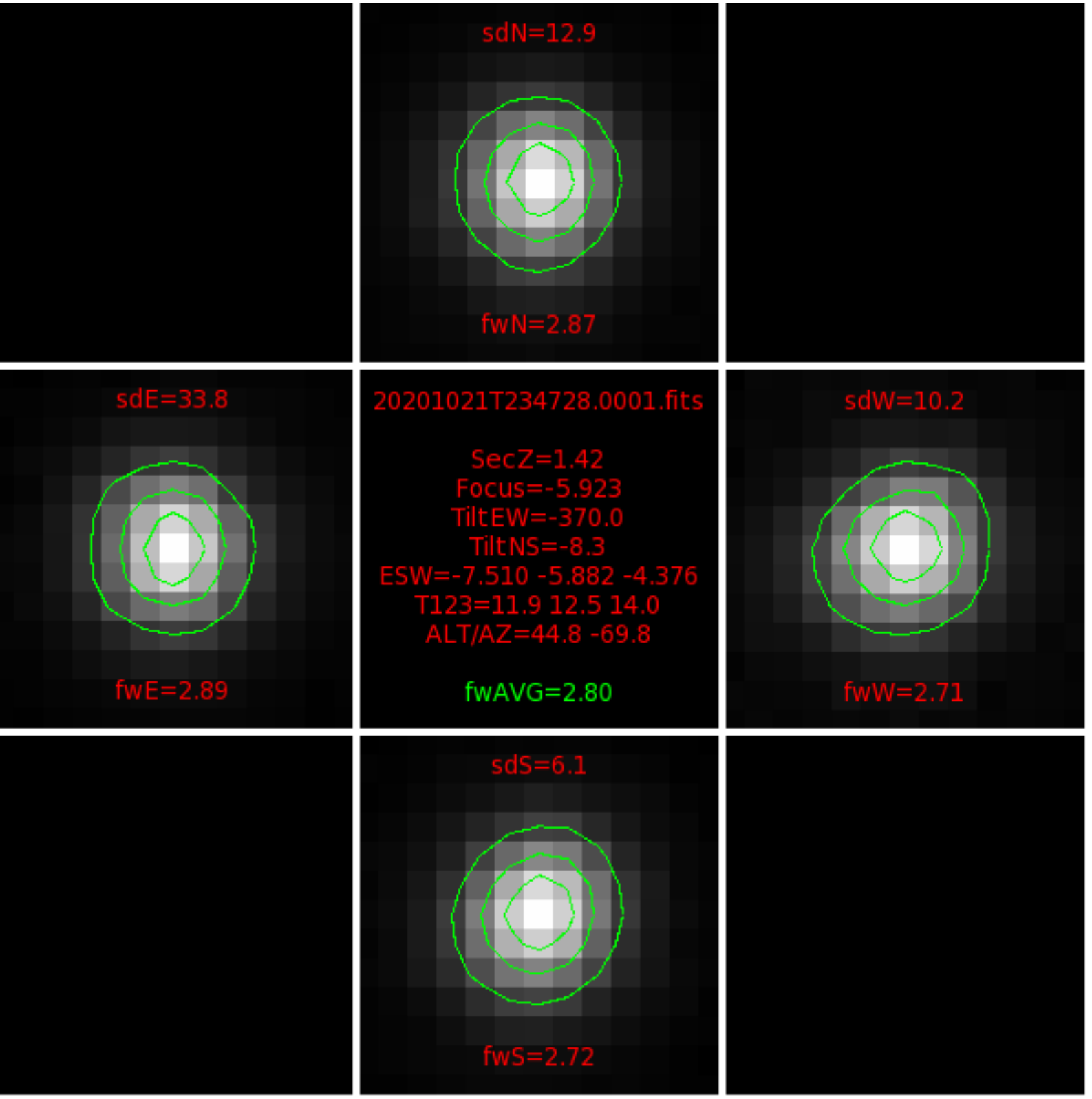
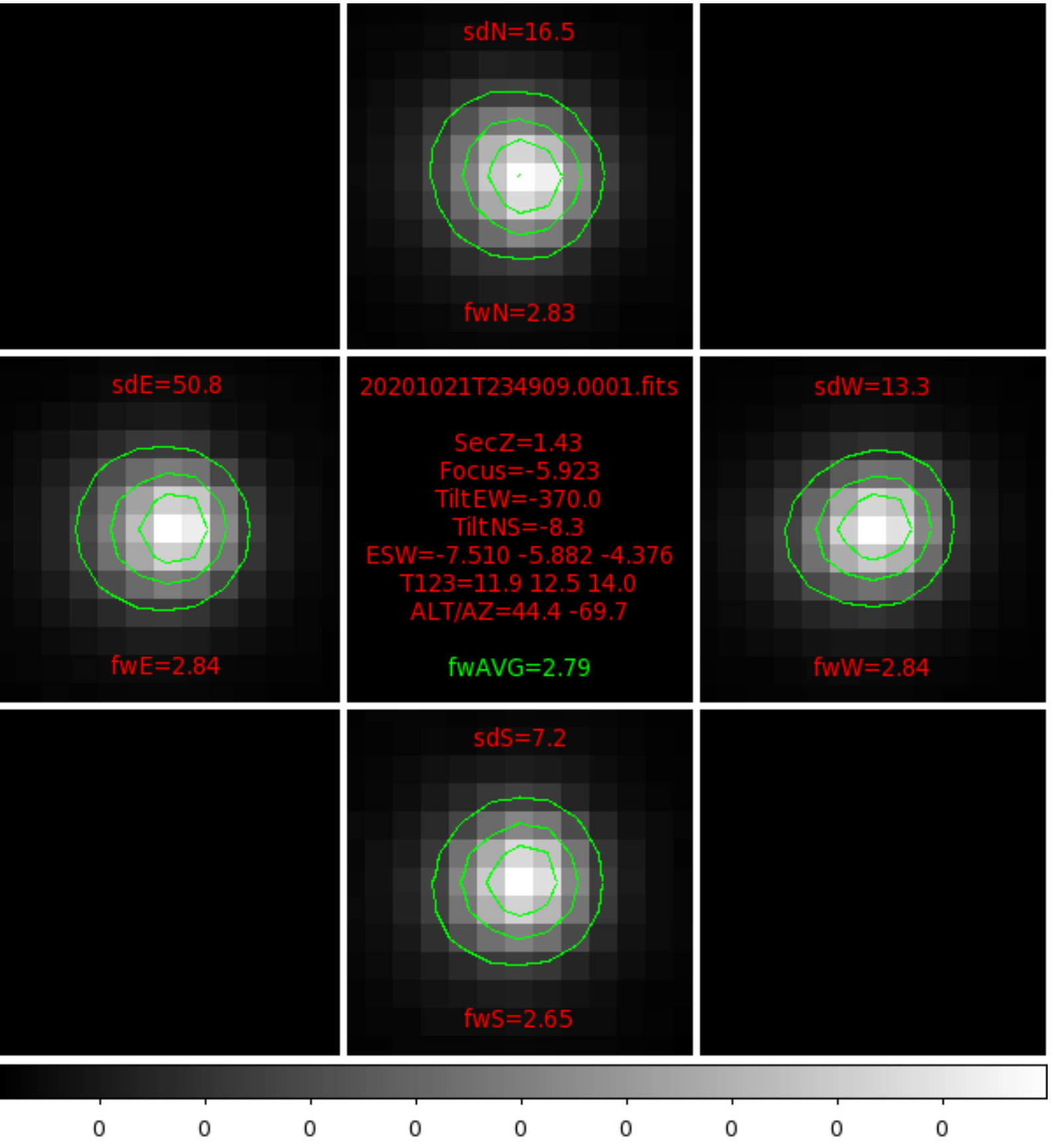

sdN=12.9
fwN=2.87
sdE=33.8
fwE=2.89
20201021T234728.0001.fits
SecZ=1.42
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=11.9 12.5 14.0
ALT/AZ=44.8 -69.8
fwAVG=2.80
sdW=10.2
fwW=2.71
sdS=6.1
fwS=2.72
0 0 0 0 0 0 0 0 0


sdN=16.5
fwN=2.83
sdE=50.8
fwE=2.84
20201021T234909.0001.fits
SecZ=1.43
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=11.9 12.5 14.0
ALT/AZ=44.4 -69.7
fwAVG=2.79
sdW=13.3
fwW=2.84
sdS=7.2
fwS=2.65
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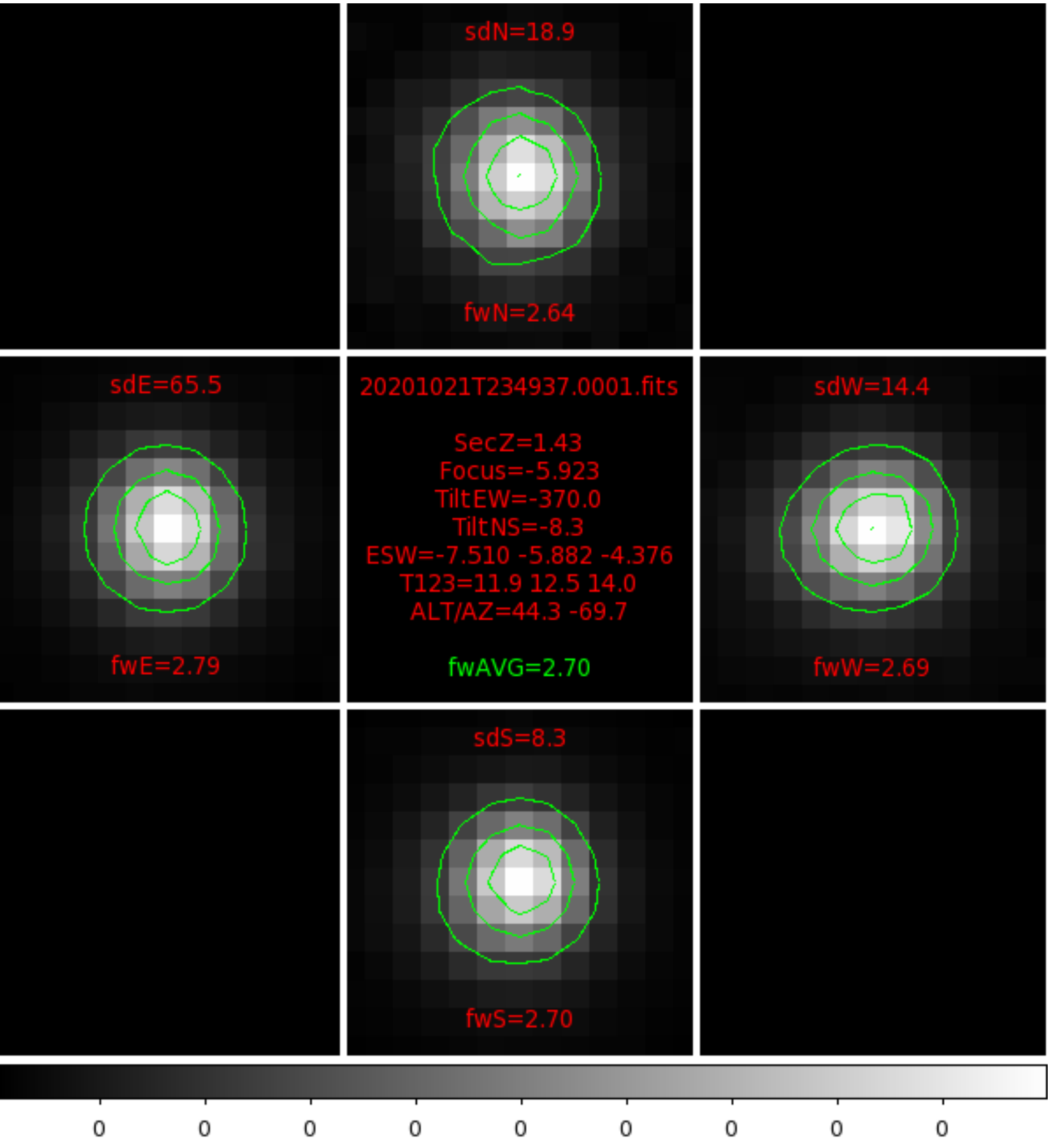
sdN=18.9
fwN=2.64
sdE=65.5
fwE=2.79
20201021T234937.0001.fits
SecZ=1.43
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=11.9 12.5 14.0
ALT/AZ=44.3 -69.7
fwAVG=2.70
sdW=14.4
fwW=2.69
sdS=8.3
fwS=2.70
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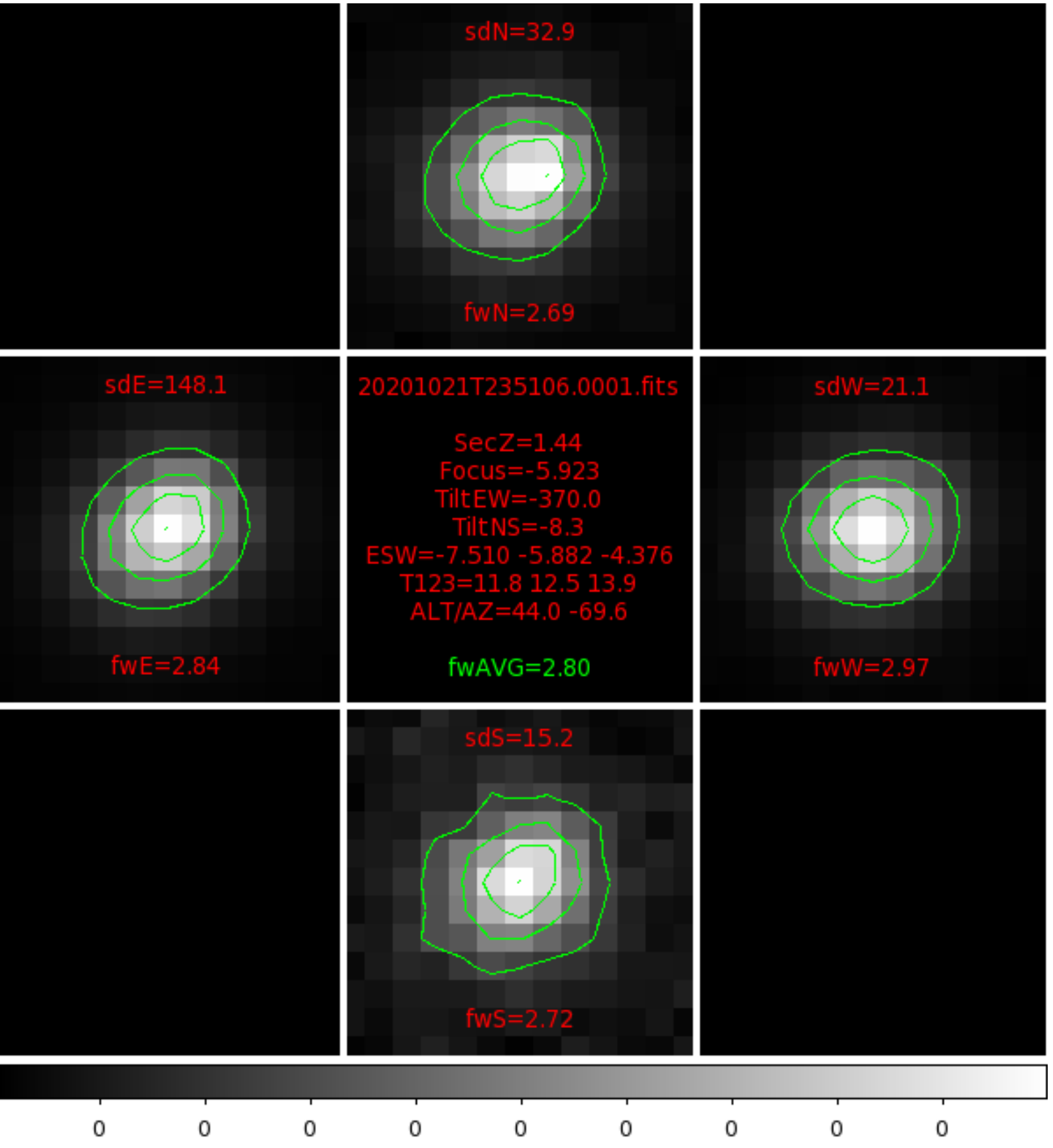
sdN=32.9
fwN=2.69
sdE=148.1
fwE=2.84
20201021T235106.0001.fits
SecZ=1.44
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=11.8 12.5 13.9
ALT/AZ=44.0 -69.6
fwAVG=2.80
sdW=21.1
fwW=2.97
sdS=15.2
fwS=2.72
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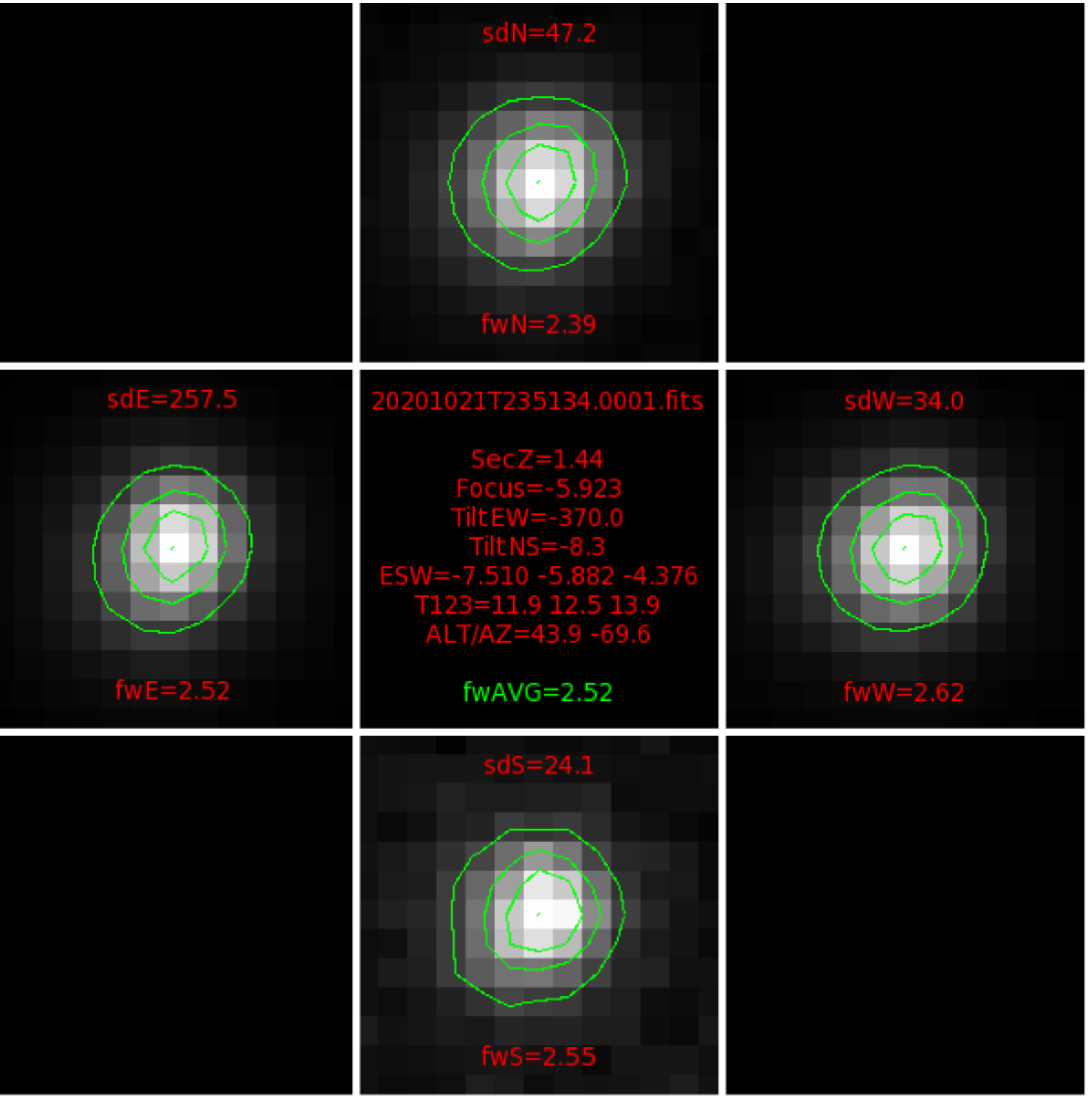
sdN=47.2
fwN=2.39
sdE=257.5
fwE=2.52
20201021T235134.0001.fits
SecZ=1.44
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=11.9 12.5 13.9
ALT/AZ=43.9 -69.6
fwAVG=2.52
sdW=34.0
fwW=2.62
sdS=24.1
fwS=2.55
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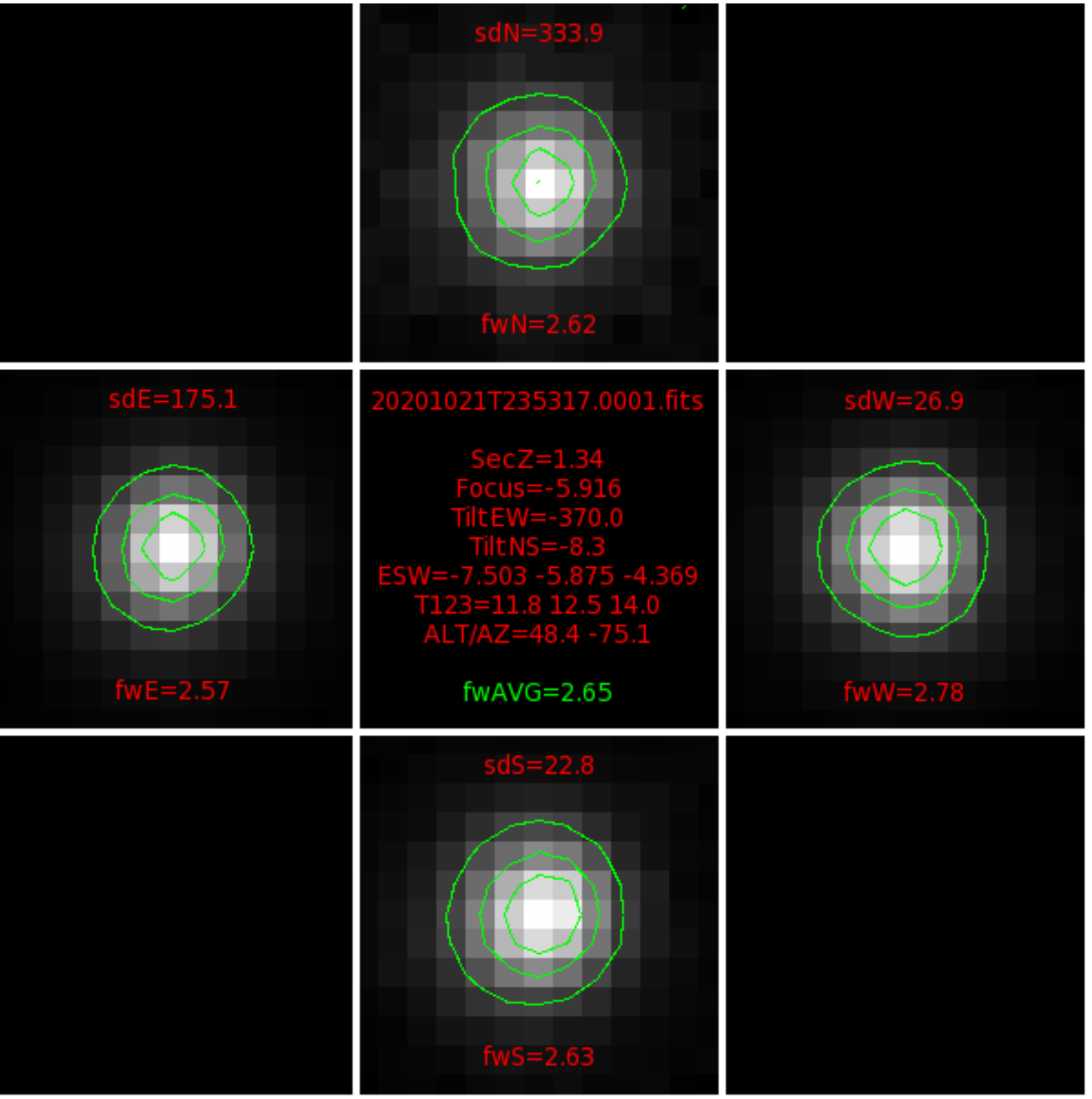
sdN=333.9
fwN=2.62
sdE=175.1
fwE=2.57
20201021T235317.0001.fits
SecZ=1.34
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=11.8 12.5 14.0
ALT/AZ=48.4 -75.1
fwAVG=2.65
sdW=26.9
fwW=2.78
sdS=22.8
fwS=2.63
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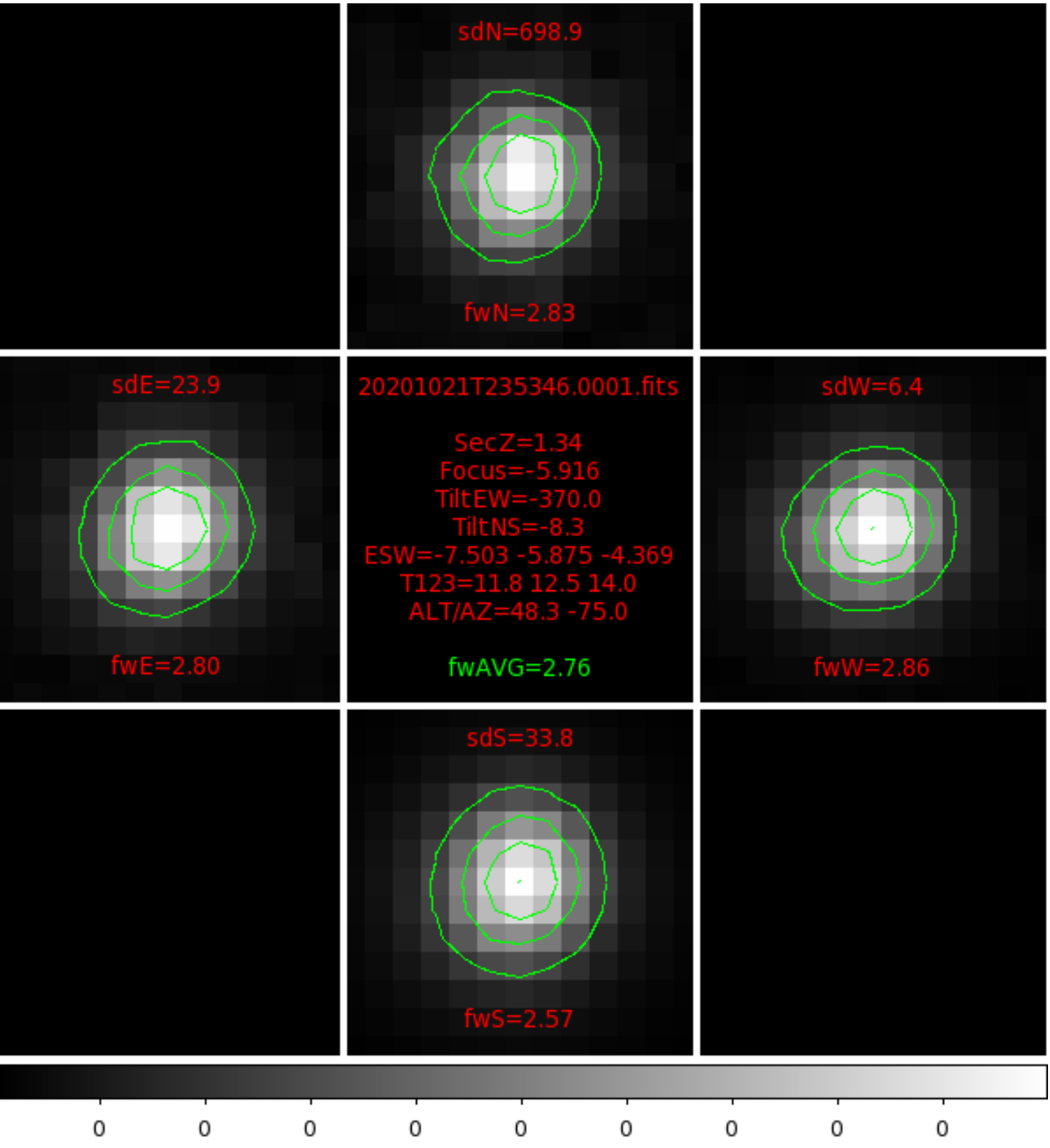
sdN=698.9
fwN=2.83
sdE=23.9
fwE=2.80
20201021T235346.0001.fits
SecZ=1.34
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=11.8 12.5 14.0
ALT/AZ=48.3 -75.0
fwAVG=2.76
sdW=6.4
fwW=2.86
sdS=33.8
fwS=2.57
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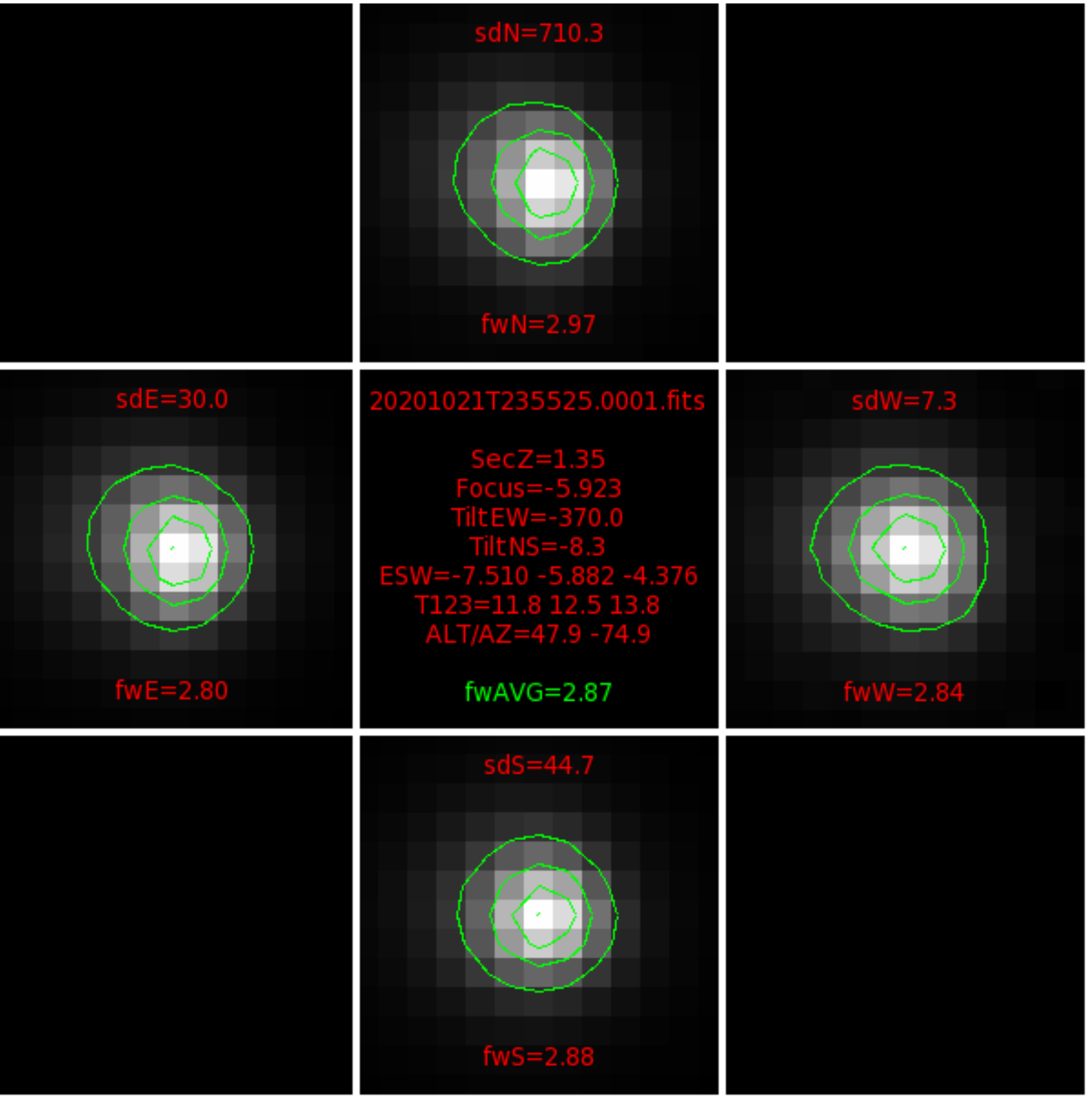
sdN=710.3
fwN=2.97
sdE=30.0
fwE=2.80
20201021T235525.0001.fits
SecZ=1.35
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=11.8 12.5 13.8
ALT/AZ=47.9 -74.9
fwAVG=2.87
sdW=7.3
fwW=2.84
sdS=44.7
fwS=2.88
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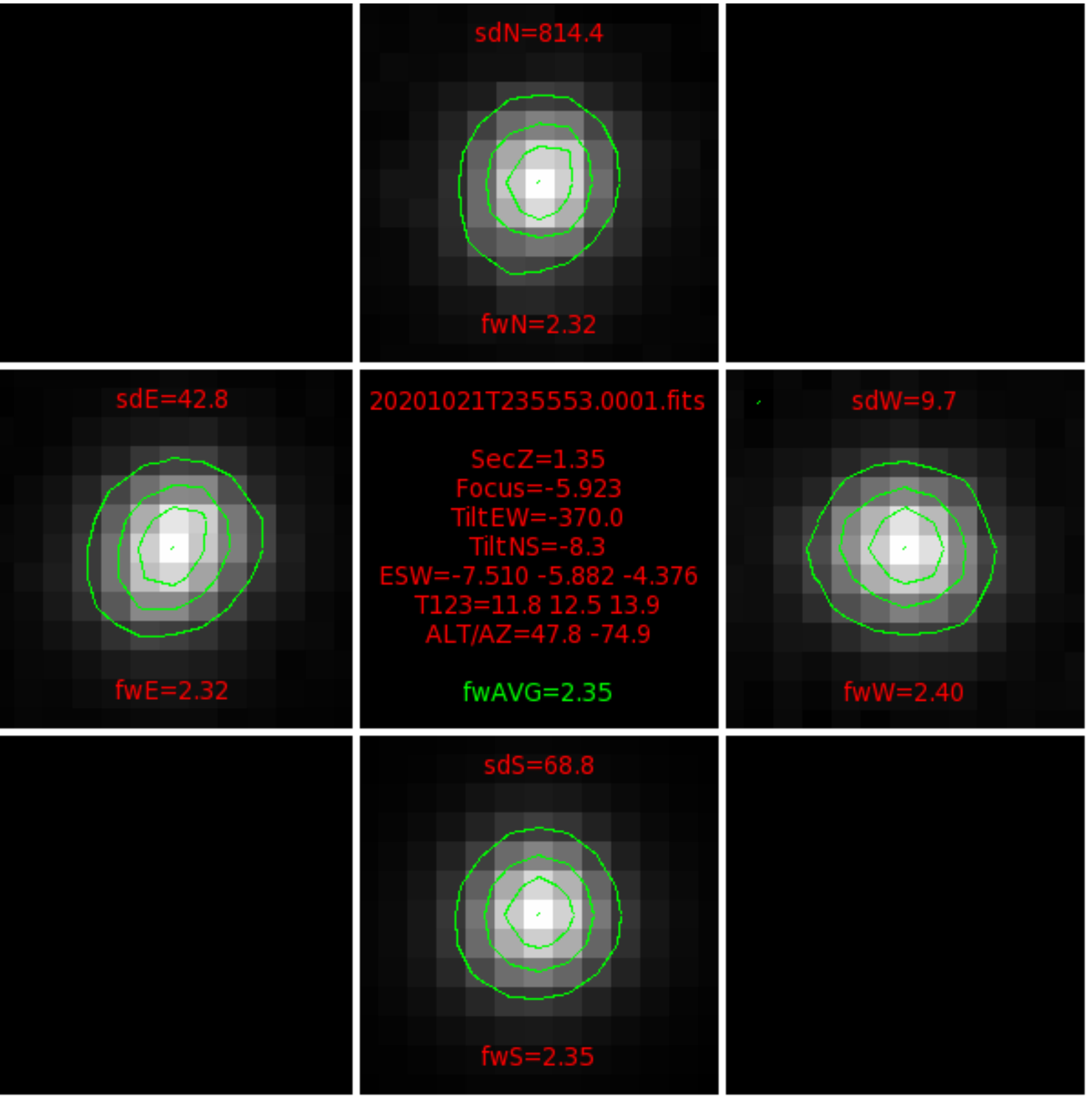
sdN=814.4
fwN=2.32
sdE=42.8
fwE=2.32
20201021T235553.0001.fits
SecZ=1.35
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=11.8 12.5 13.9
ALT/AZ=47.8 -74.9
fwAVG=2.35
sdW=9.7
fwW=2.40
sdS=68.8
fwS=2.35
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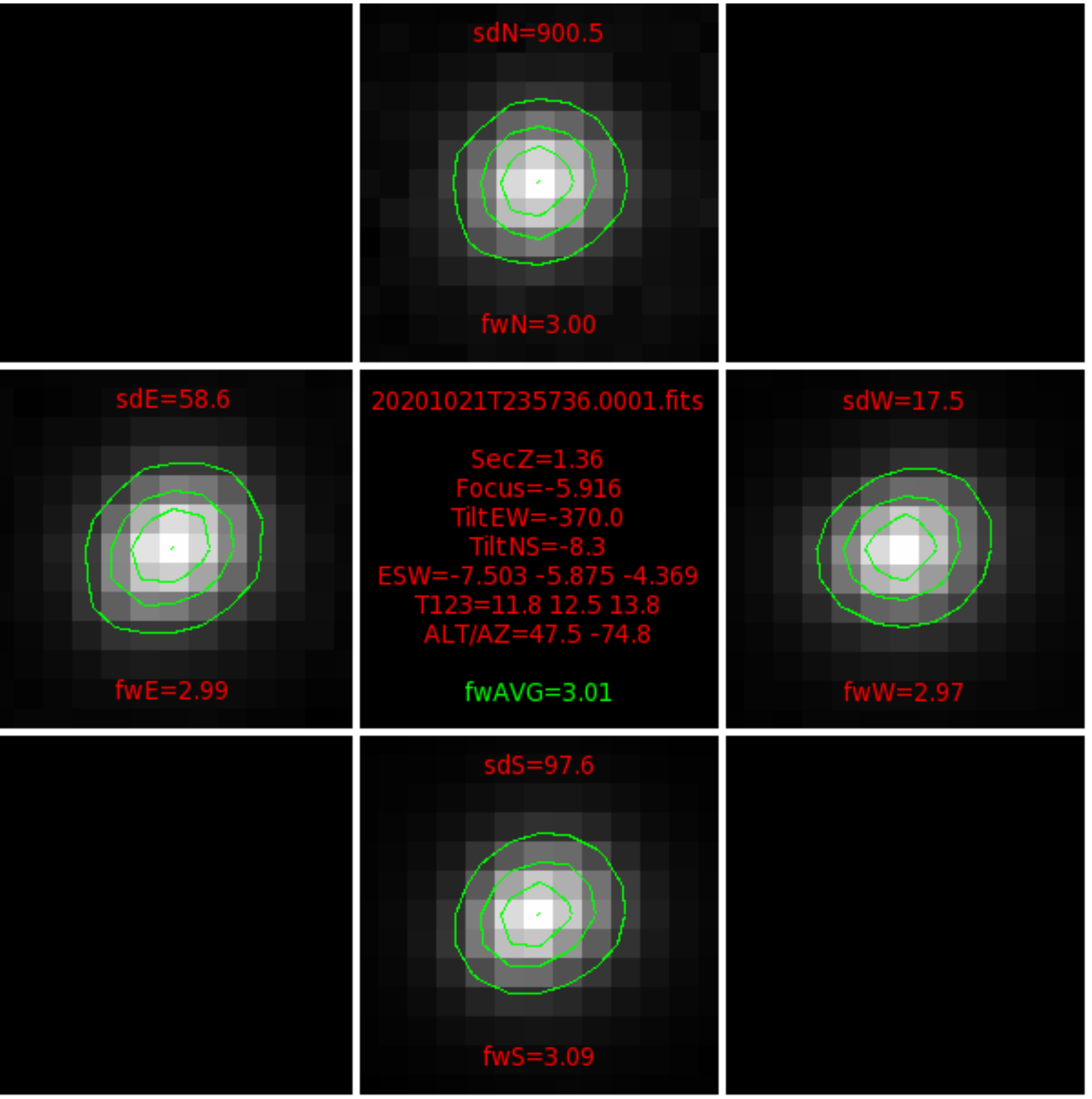
sdN=900.5
fwN=3.00
sdE=58.6
fwE=2.99
20201021T235736.0001.fits
SecZ=1.36
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=11.8 12.5 13.8
ALT/AZ=47.5 -74.8
fwAVG=3.01
sdW=17.5
fwW=2.97
sdS=97.6
fwS=3.09
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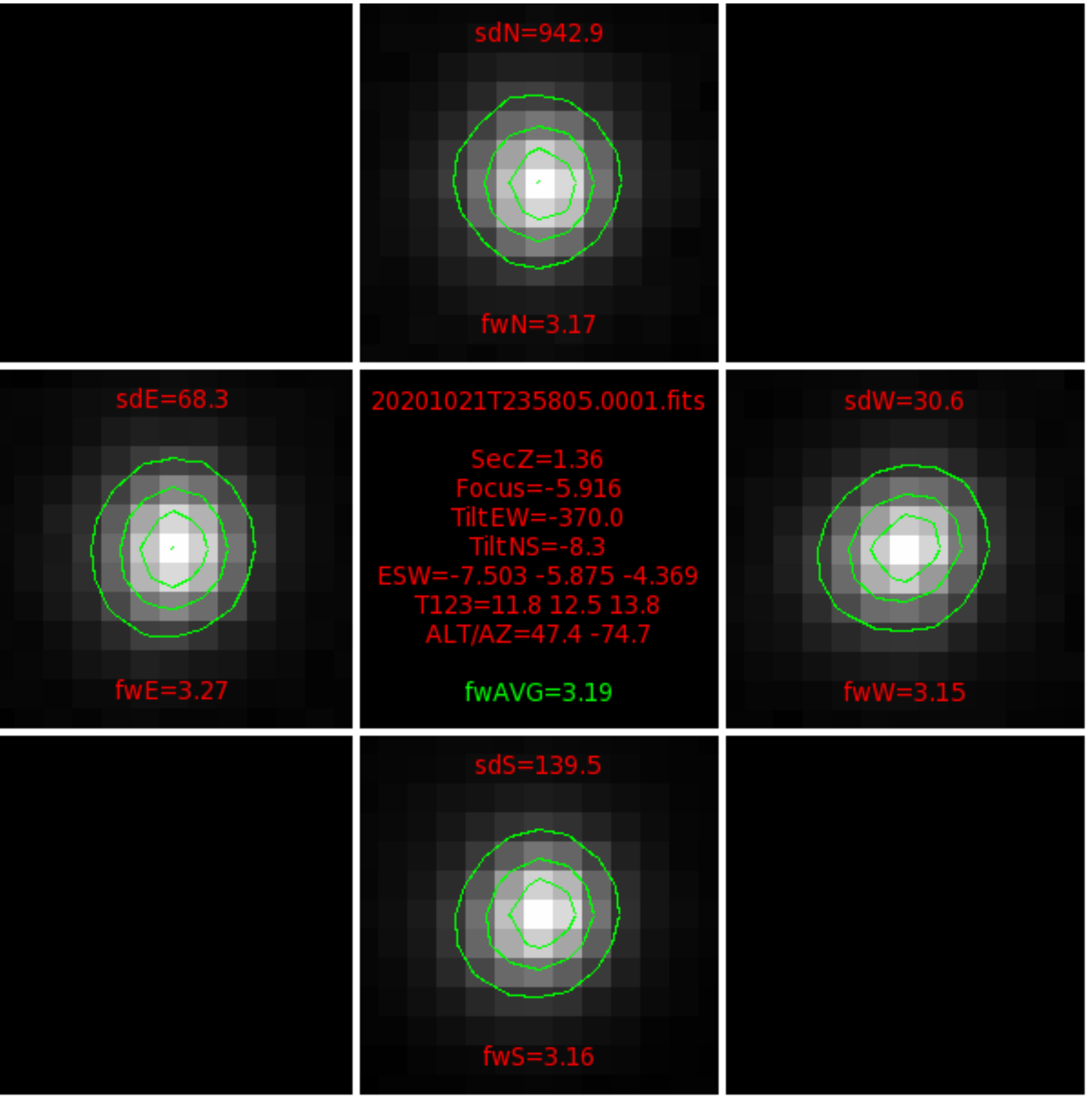
sdN=942.9
fwN=3.17
sdE=68.3
fwE=3.27
20201021T235805.0001.fits
SecZ=1.36
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=11.8 12.5 13.8
ALT/AZ=47.4 -74.7
fwAVG=3.19
sdW=30.6
fwW=3.15
sdS=139.5
fwS=3.16
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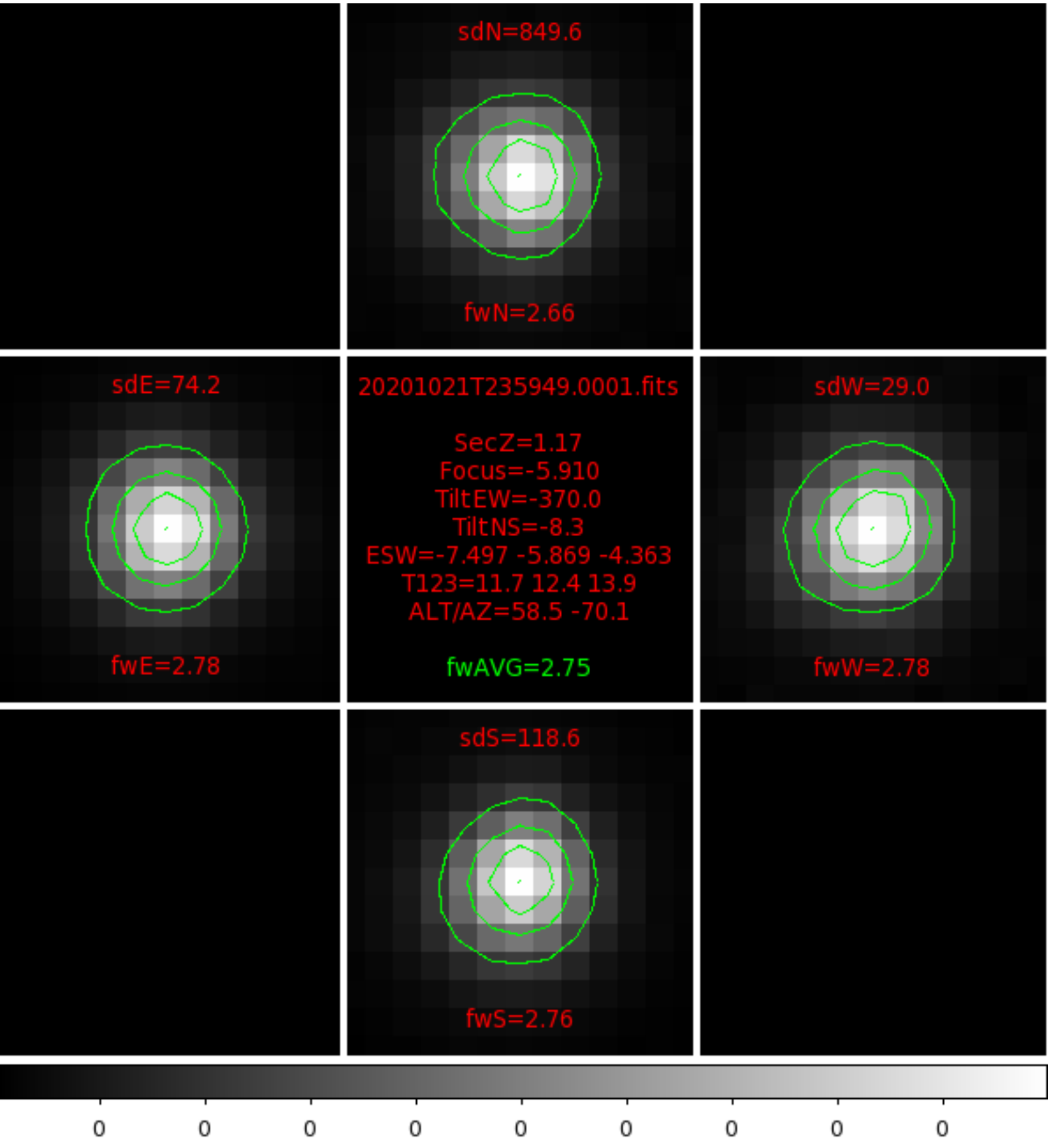
sdN=849.6
fwN=2.66
sdE=74.2
fwE=2.78
20201021T235949.0001.fits
SecZ=1.17
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=11.7 12.4 13.9
ALT/AZ=58.5 -70.1
fwAVG=2.75
sdW=29.0
fwW=2.78
sdS=118.6
fwS=2.76
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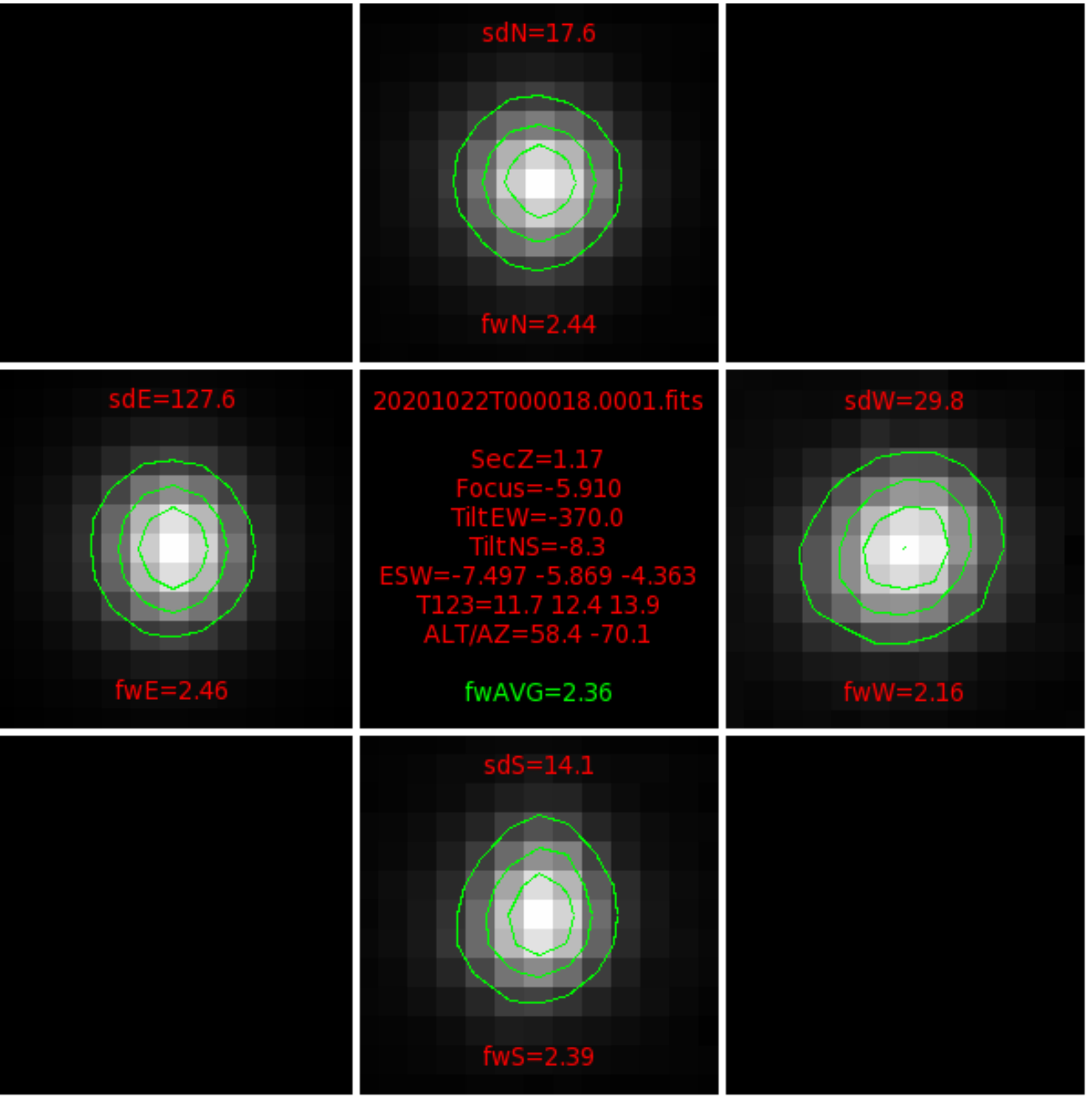
sdN=17.6
fwN=2.44
sdE=127.6
fwE=2.46
20201022T000018.0001.fits
SecZ=1.17
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=11.7 12.4 13.9
ALT/AZ=58.4 -70.1
fwAVG=2.36
sdW=29.8
fwW=2.16
sdS=14.1
fwS=2.39
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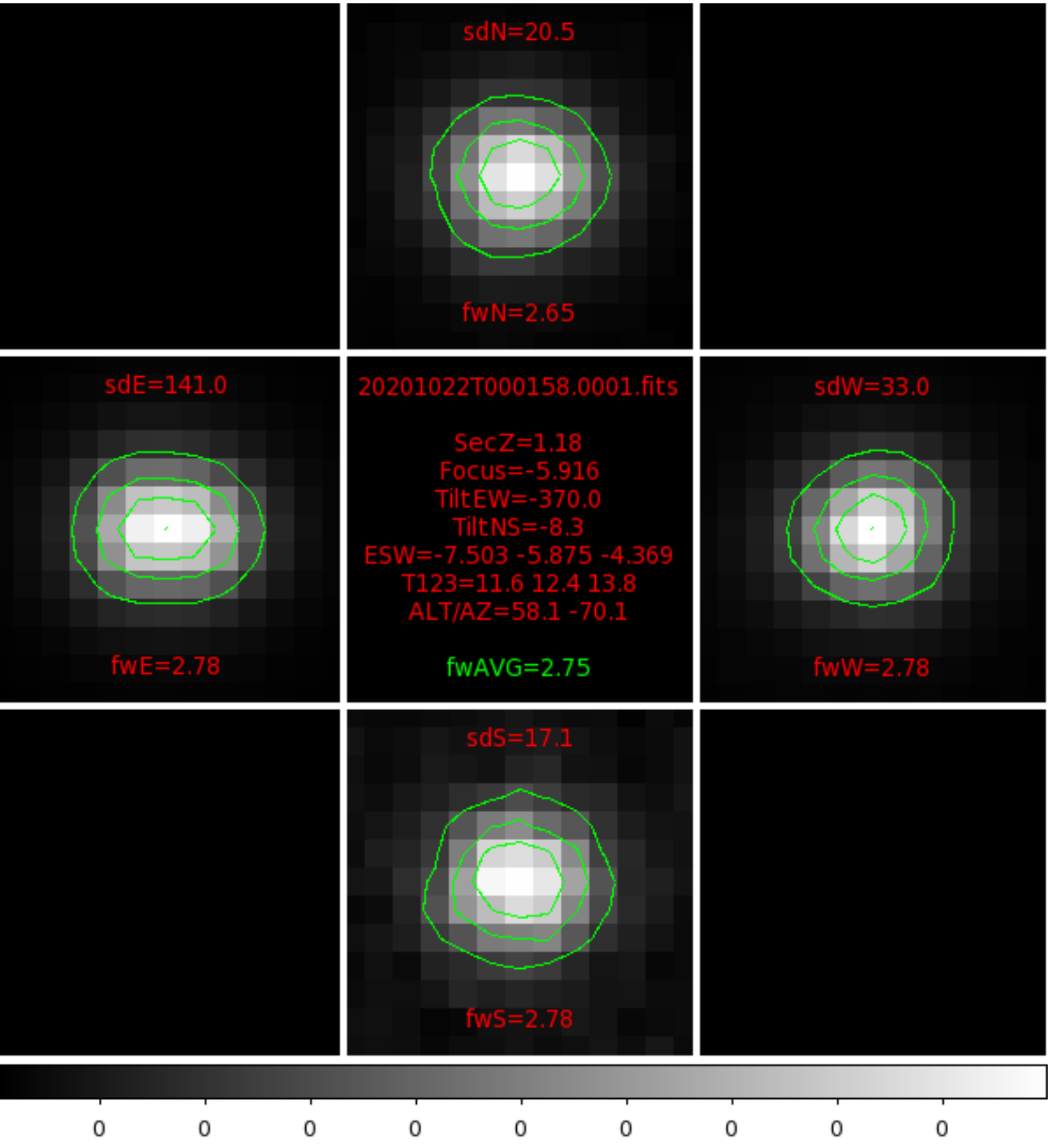
sdN=20.5
fwN=2.65
sdE=141.0
fwE=2.78
20201022T000158.0001.fits
SecZ=1.18
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=11.6 12.4 13.8
ALT/AZ=58.1 -70.1
fwAVG=2.75
sdW=33.0
fwW=2.78
sdS=17.1
fwS=2.78
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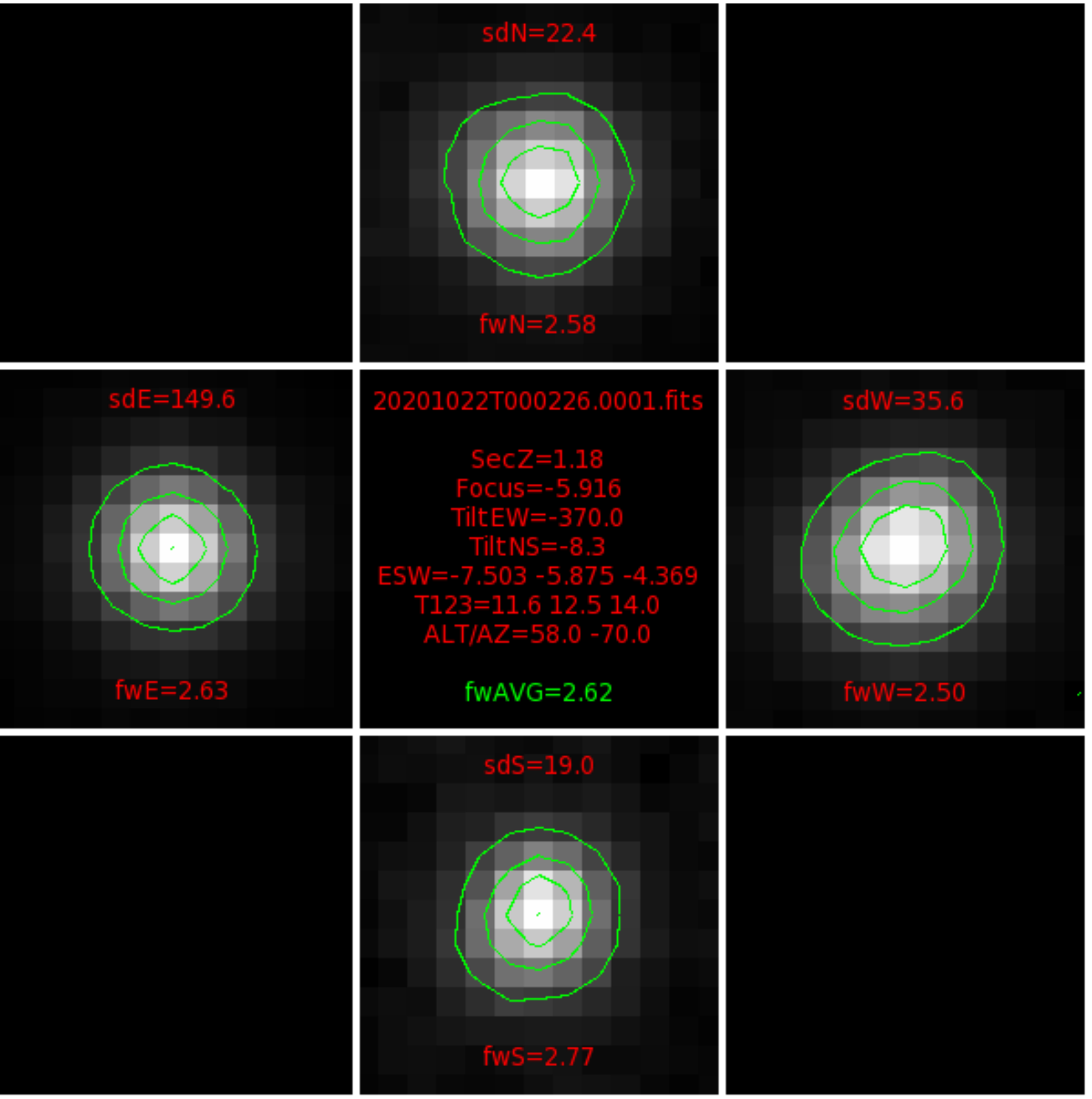
sdN=22.4
fwN=2.58
sdE=149.6
fwE=2.63
20201022T000226.0001.fits
SecZ=1.18
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=11.6 12.5 14.0
ALT/AZ=58.0 -70.0
fwAVG=2.62
sdW=35.6
fwW=2.50
sdS=19.0
fwS=2.77
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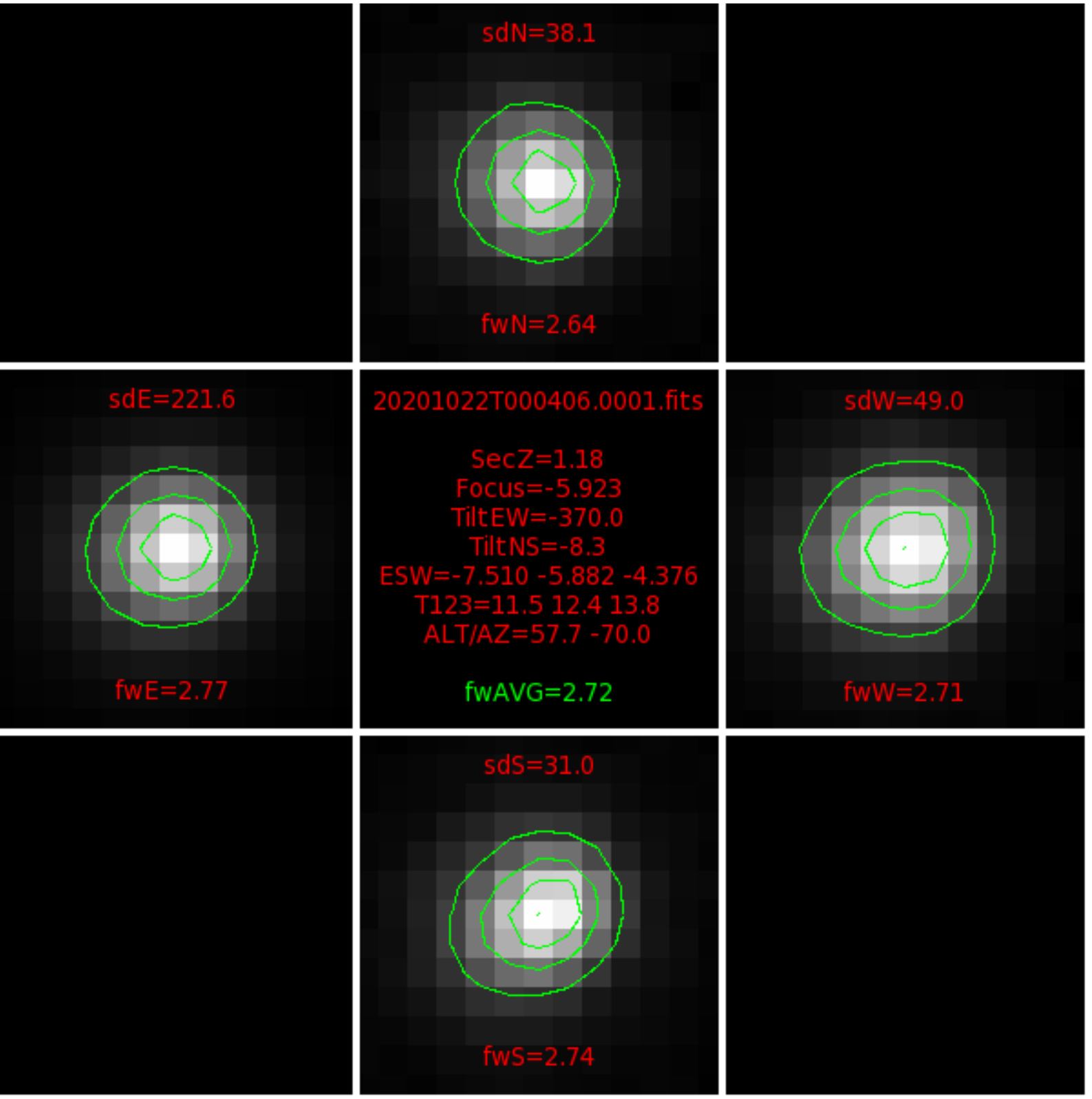
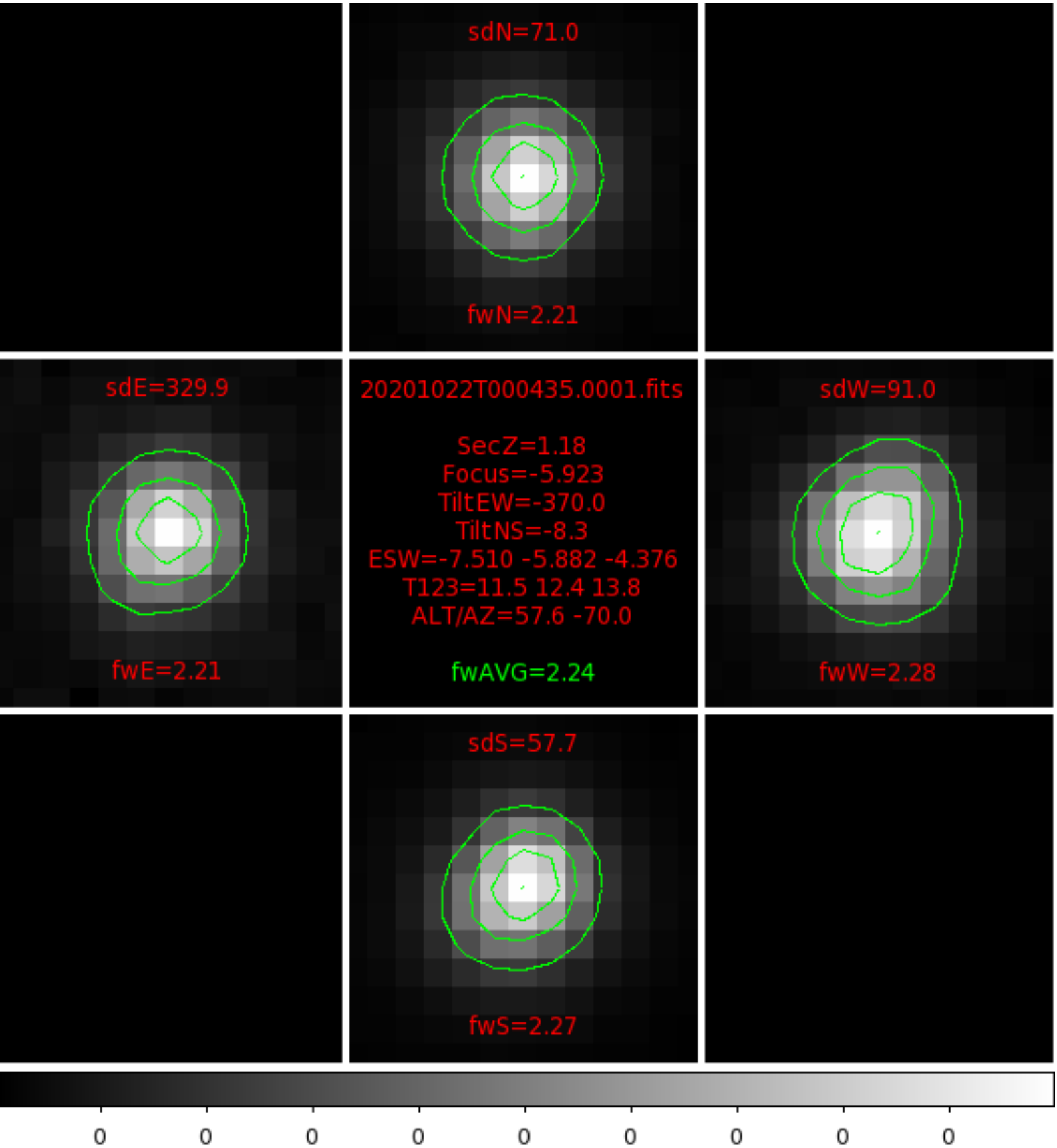
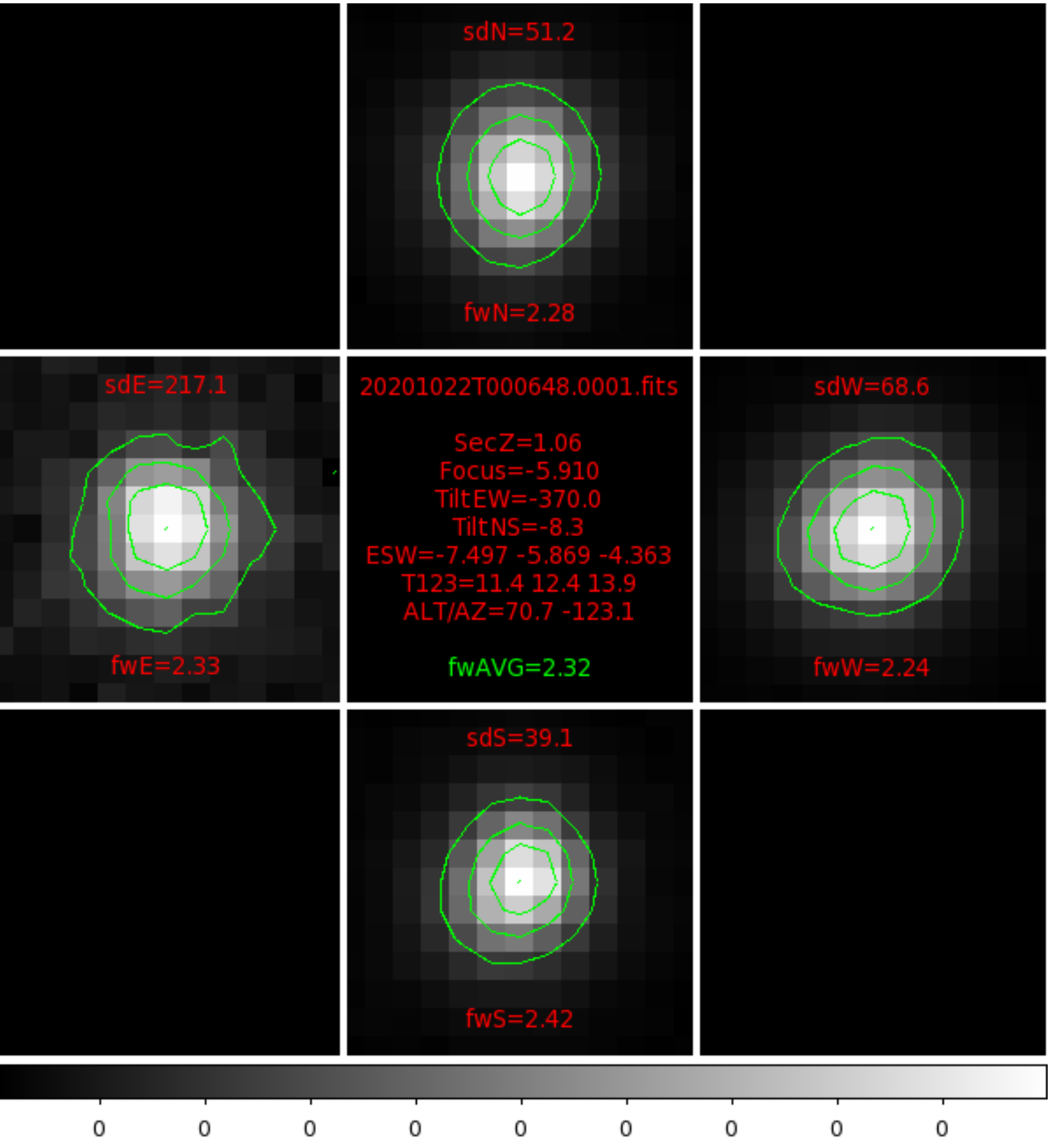

sdN=38.1
fwN=2.64
sdE=221.6
fwE=2.77
20201022T000406.0001.fits
SecZ=1.18
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=11.5 12.4 13.8
ALT/AZ=57.7 -70.0
fwAVG=2.72
sdW=49.0
fwW=2.71
sdS=31.0
fwS=2.74
0 0 0 0 0 0 0 0 0


sdN=71.0
fwN=2.21
sdE=329.9
fwE=2.21
20201022T000435.0001.fits
SecZ=1.18
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=11.5 12.4 13.8
ALT/AZ=57.6 -70.0
fwAVG=2.24
sdW=91.0
fwW=2.28
sdS=57.7
fwS=2.27
0 0 0 0 0 0 0 0 0


sdN=51.2
fwN=2.28
sdE=217.1
fwE=2.33
20201022T000648.0001.fits
SecZ=1.06
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=11.4 12.4 13.9
ALT/AZ=70.7 -123.1
fwAVG=2.32
sdW=68.6
fwW=2.24
sdS=39.1
fwS=2.42
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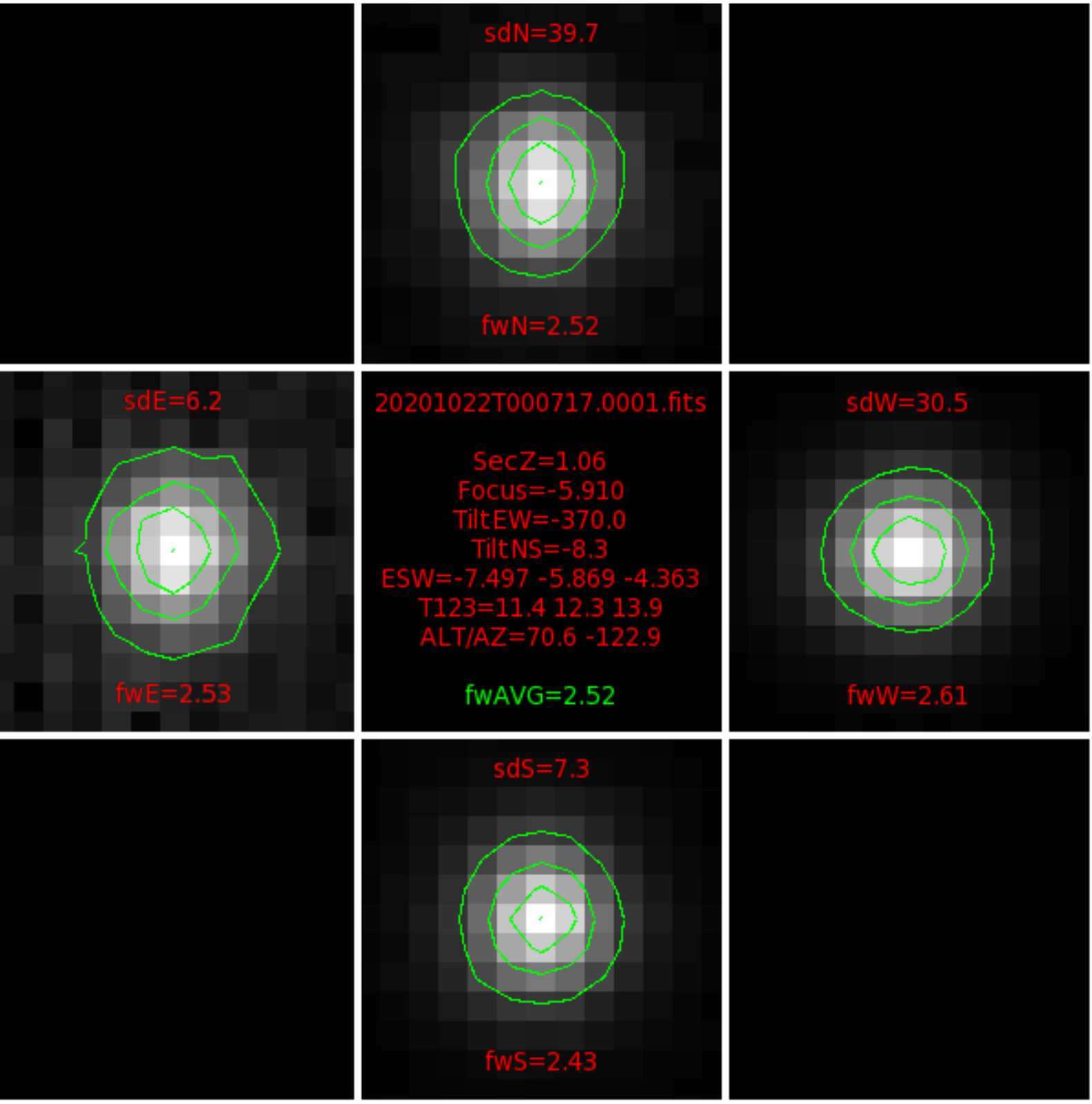
sdN=39.7
fwN=2.52
sdE=6.2
fwE=2.53
20201022T000717.0001.fits
SecZ=1.06
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=11.4 12.3 13.9
ALT/AZ=70.6 -122.9
fwAVG=2.52
sdW=30.5
fwW=2.61
sdS=7.3
fwS=2.43
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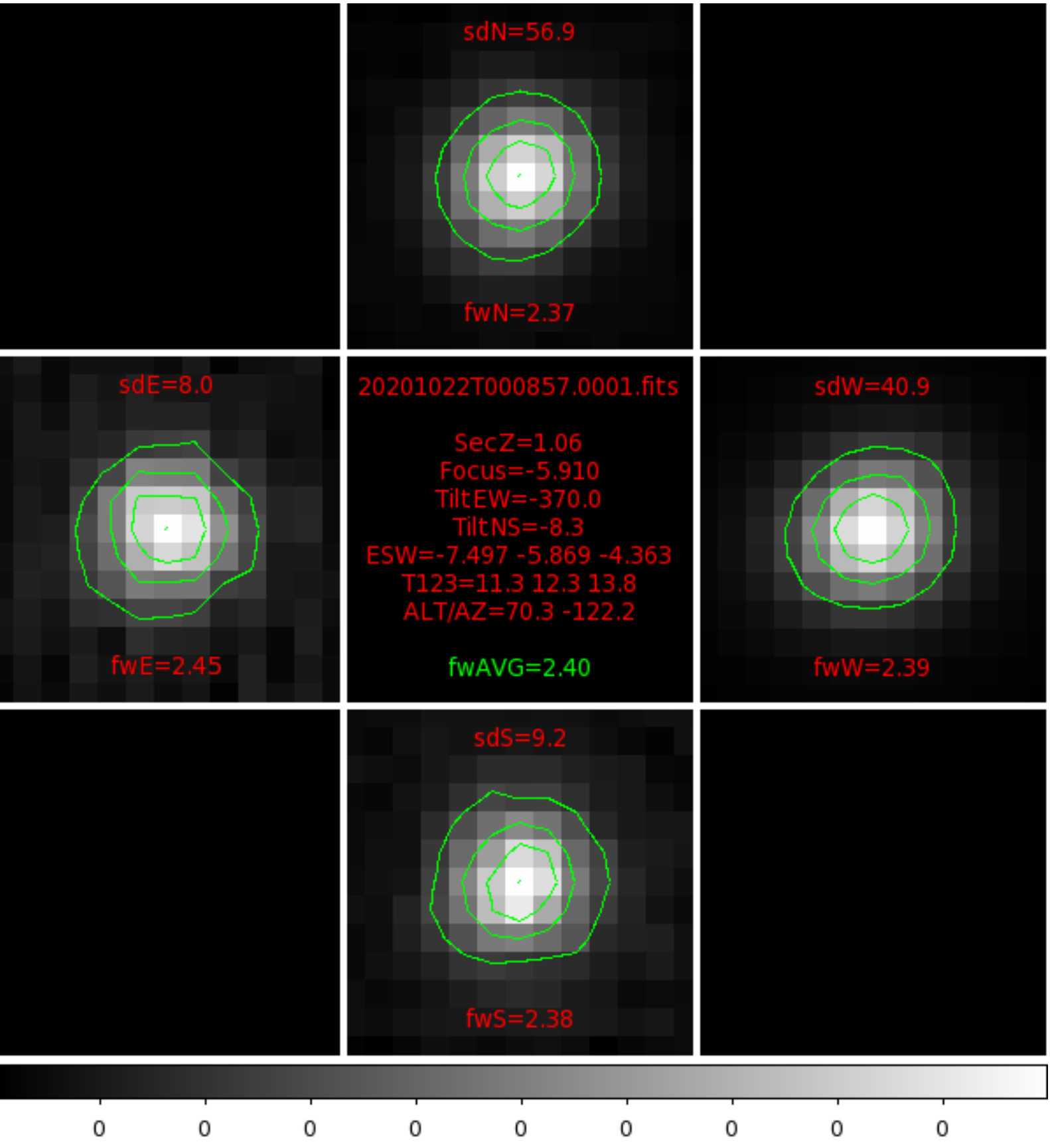
sdN=56.9
fwN=2.37
sdE=8.0
fwE=2.45
20201022T000857.0001.fits
SecZ=1.06
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=11.3 12.3 13.8
ALT/AZ=70.3 -122.2
fwAVG=2.40
sdW=40.9
fwW=2.39
sdS=9.2
fwS=2.38
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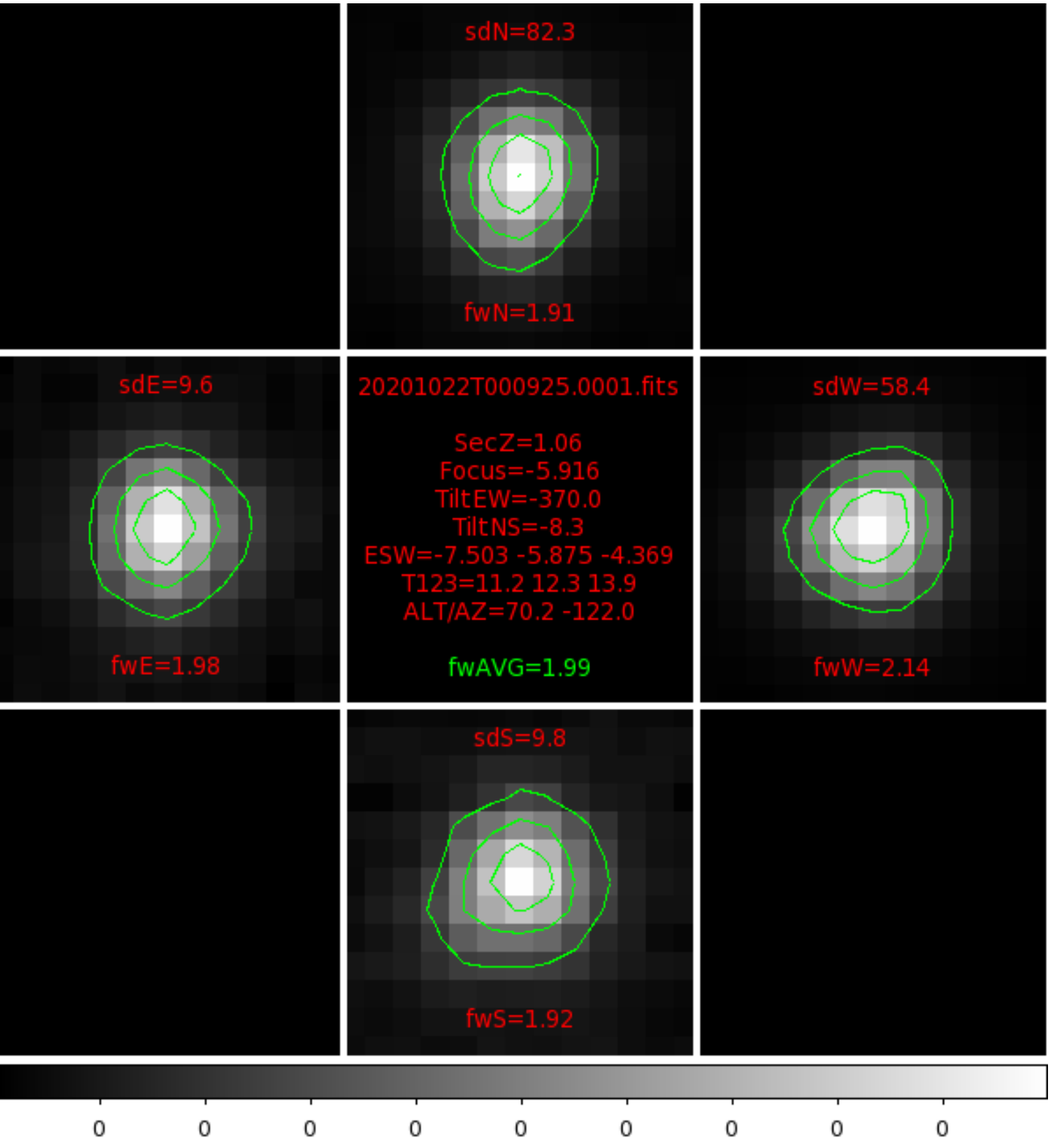
sdN=82.3
fwN=1.91
sdE=9.6
fwE=1.98
20201022T000925.0001.fits
SecZ=1.06
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=11.2 12.3 13.9
ALT/AZ=70.2 -122.0
fwAVG=1.99
sdW=58.4
fwW=2.14
sdS=9.8
fwS=1.92
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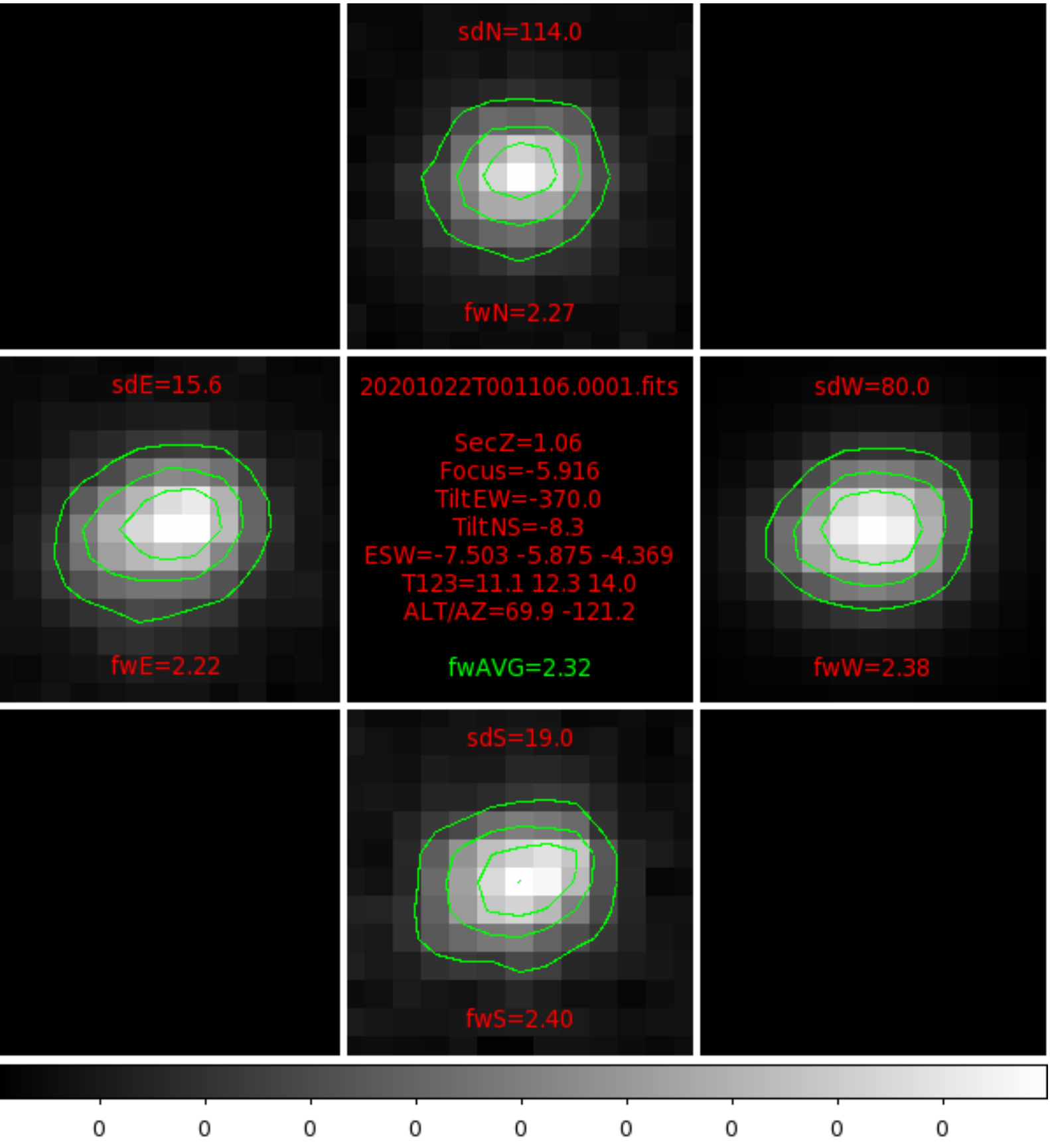
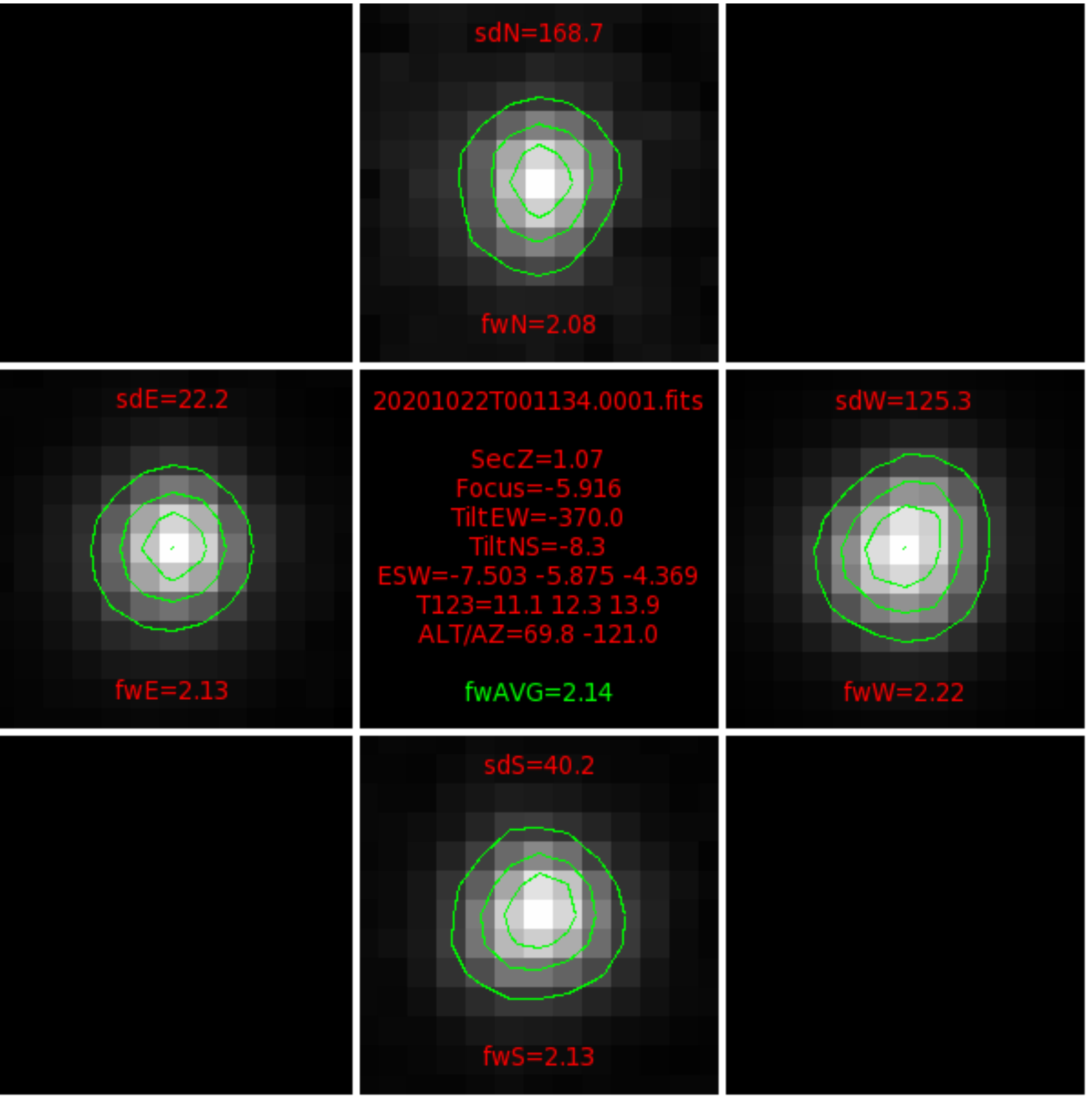

sdN=114.0
fwN=2.27
sdE=15.6
fwE=2.22
20201022T001106.0001.fits
SecZ=1.06
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=11.1 12.3 14.0
ALT/AZ=69.9 -121.2
fwAVG=2.32
sdW=80.0
fwW=2.38
sdS=19.0
fwS=2.40
0 0 0 0 0 0 0 0 0


sdN=168.7
fwN=2.08
sdE=22.2
fwE=2.13
20201022T001134.0001.fits
SecZ=1.07
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=11.1 12.3 13.9
ALT/AZ=69.8 -121.0
fwAVG=2.14
sdW=125.3
fwW=2.22
sdS=40.2
fwS=2.13
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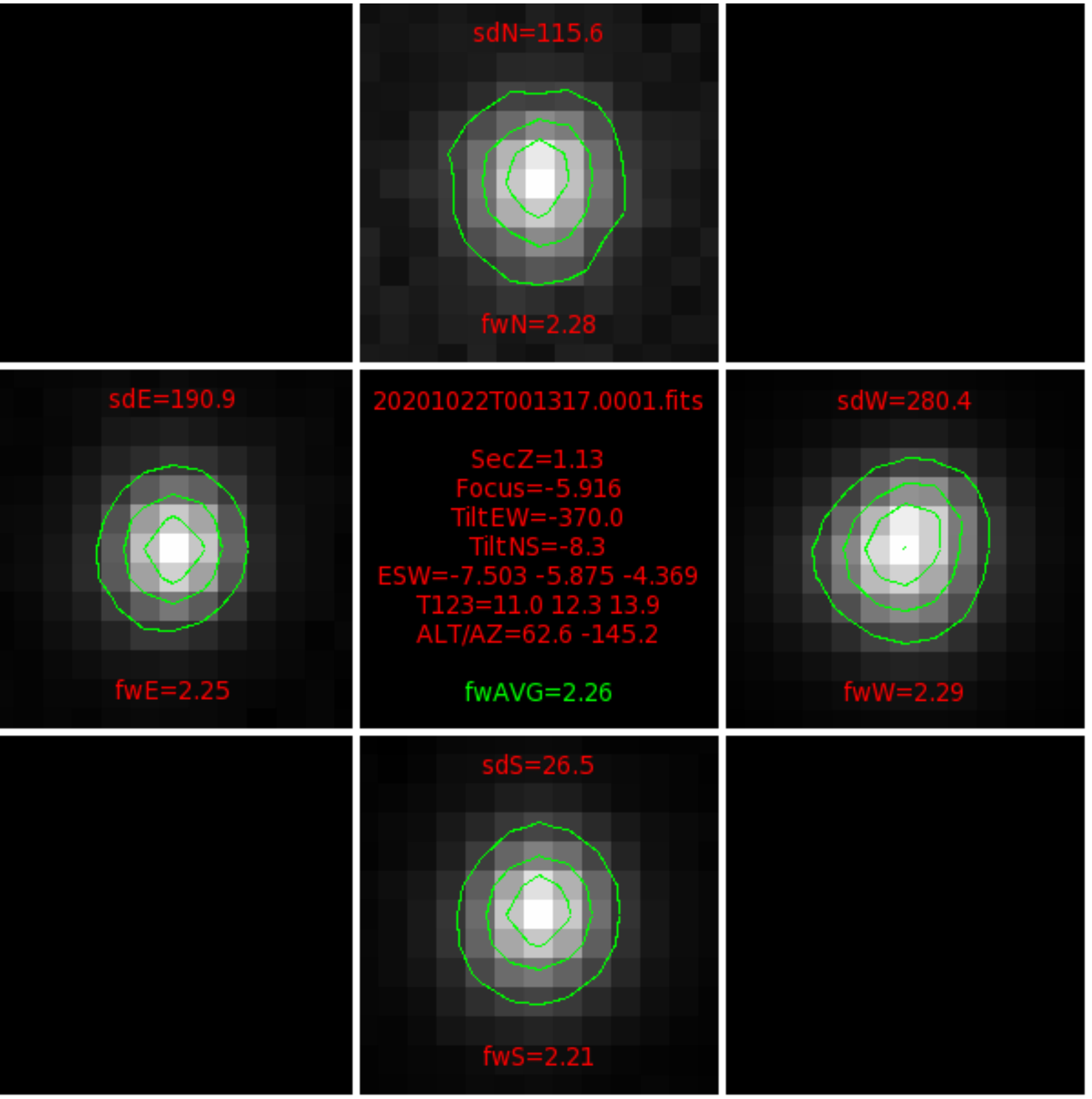
sdN=115.6
fwN=2.28
sdE=190.9
fwE=2.25
20201022T001317.0001.fits
SecZ=1.13
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=11.0 12.3 13.9
ALT/AZ=62.6 -145.2
fwAVG=2.26
sdW=280.4
fwW=2.29
sdS=26.5
fwS=2.21
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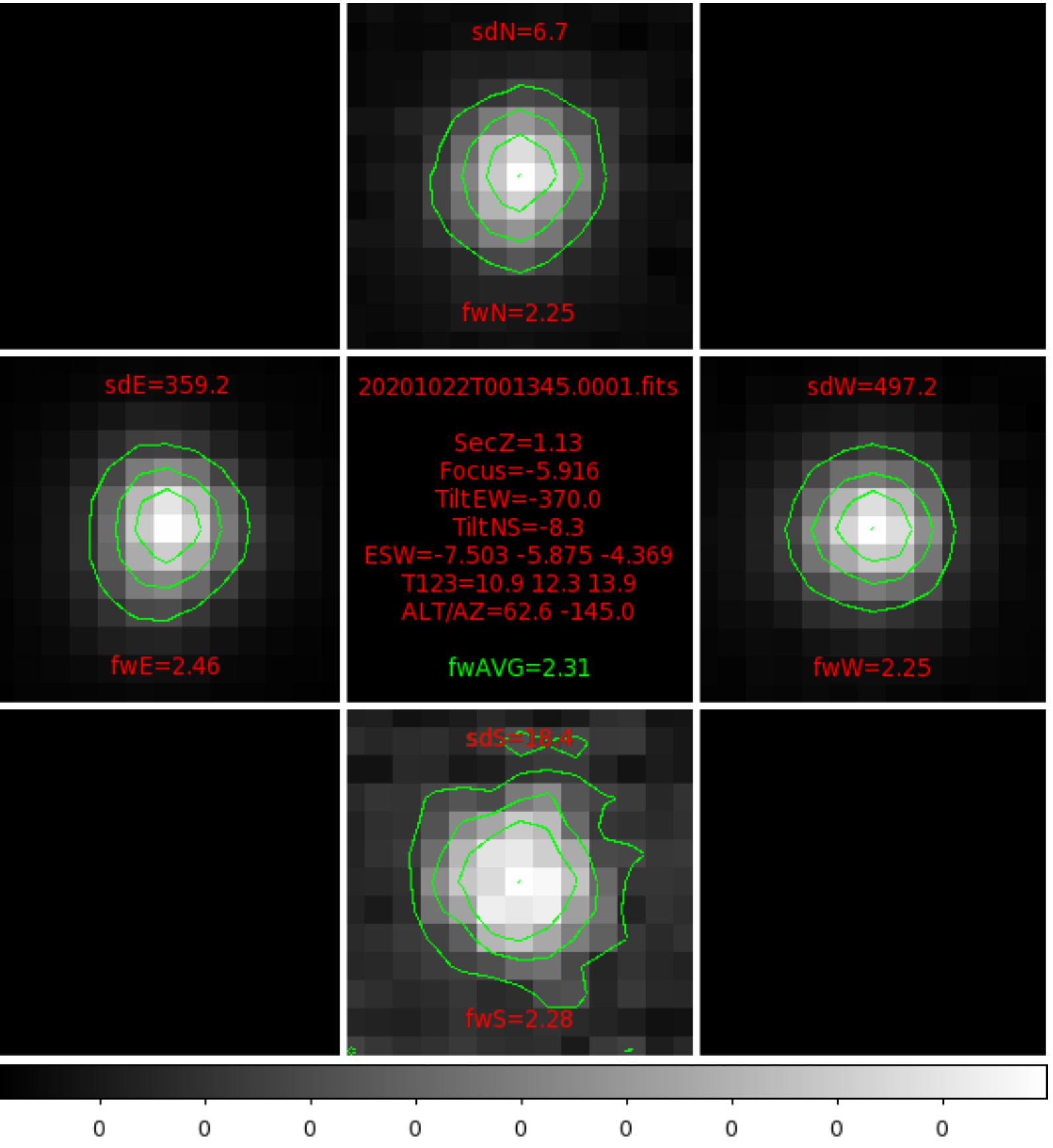
sdN=6.7
fwN=2.25
sdE=359.2
fwE=2.46
20201022T001345.0001.fits
SecZ=1.13
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=10.9 12.3 13.9
ALT/AZ=62.6 -145.0
fwAVG=2.31
sdW=497.2
fwW=2.25
sdS=18.4
fwS=2.28
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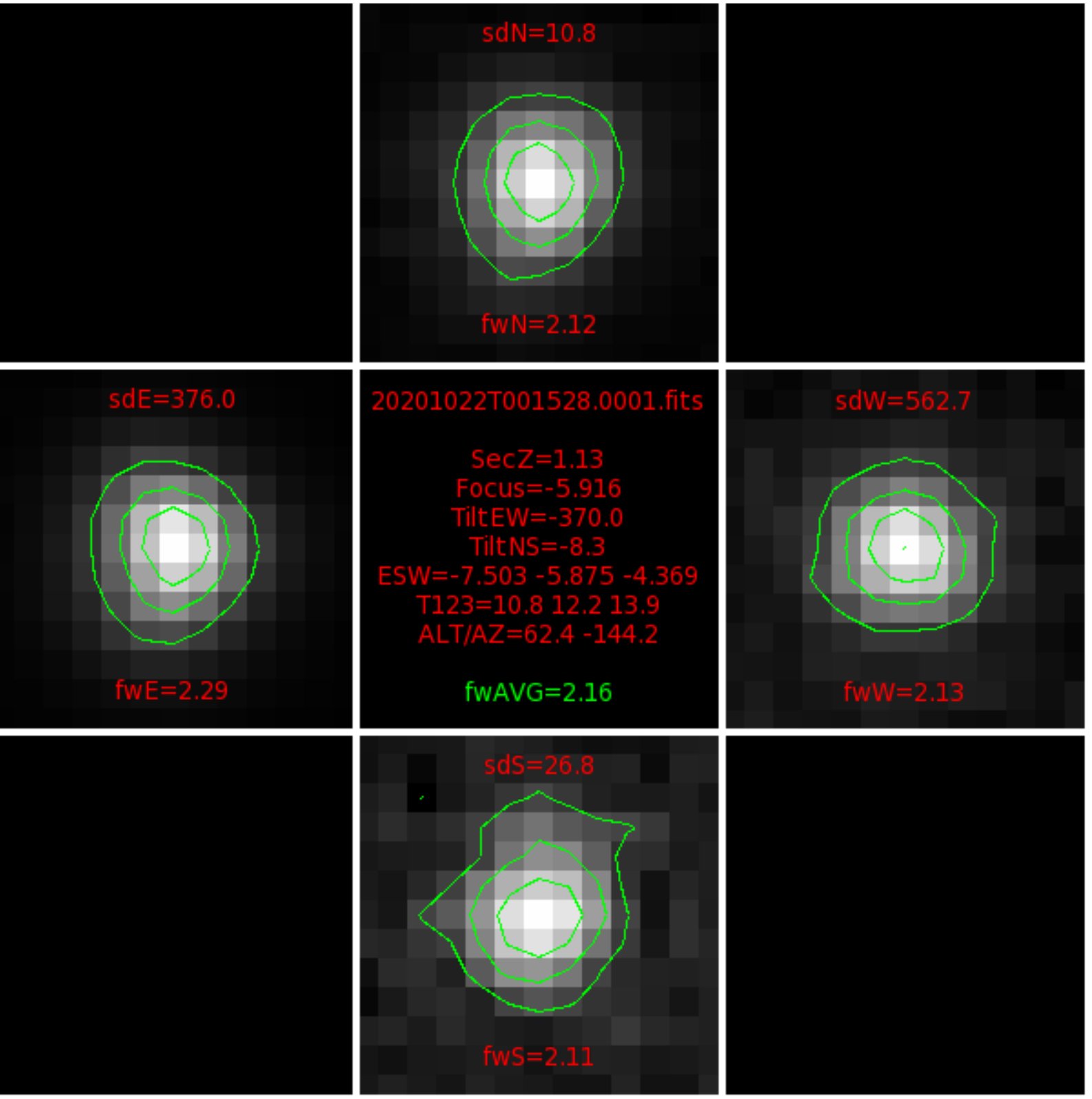
sdN=10.8
fwN=2.12
sdE=376.0
fwE=2.29
20201022T001528.0001.fits
SecZ=1.13
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=10.8 12.2 13.9
ALT/AZ=62.4 -144.2
fwAVG=2.16
sdW=562.7
fwW=2.13
sdS=26.8
fwS=2.11
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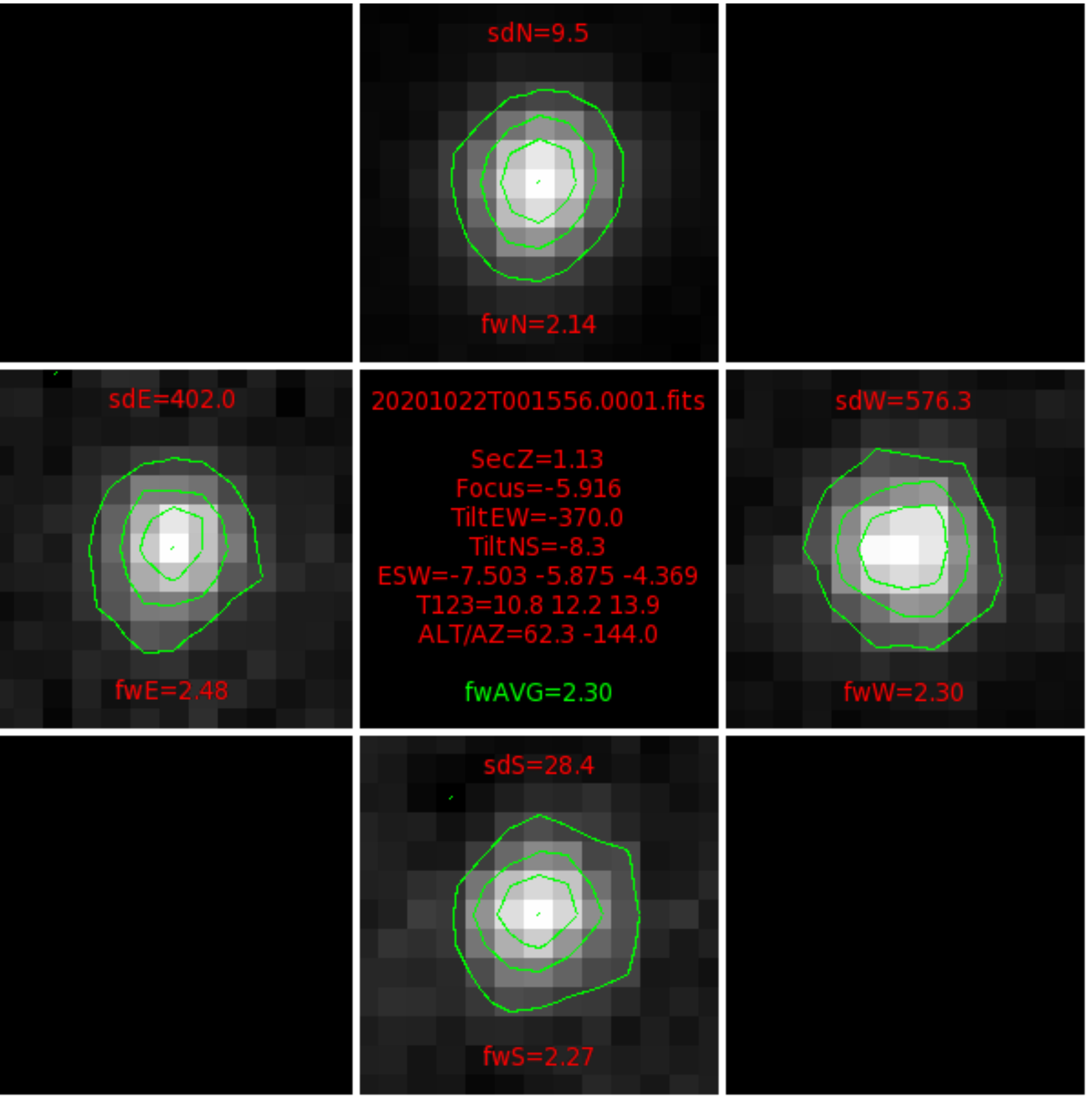
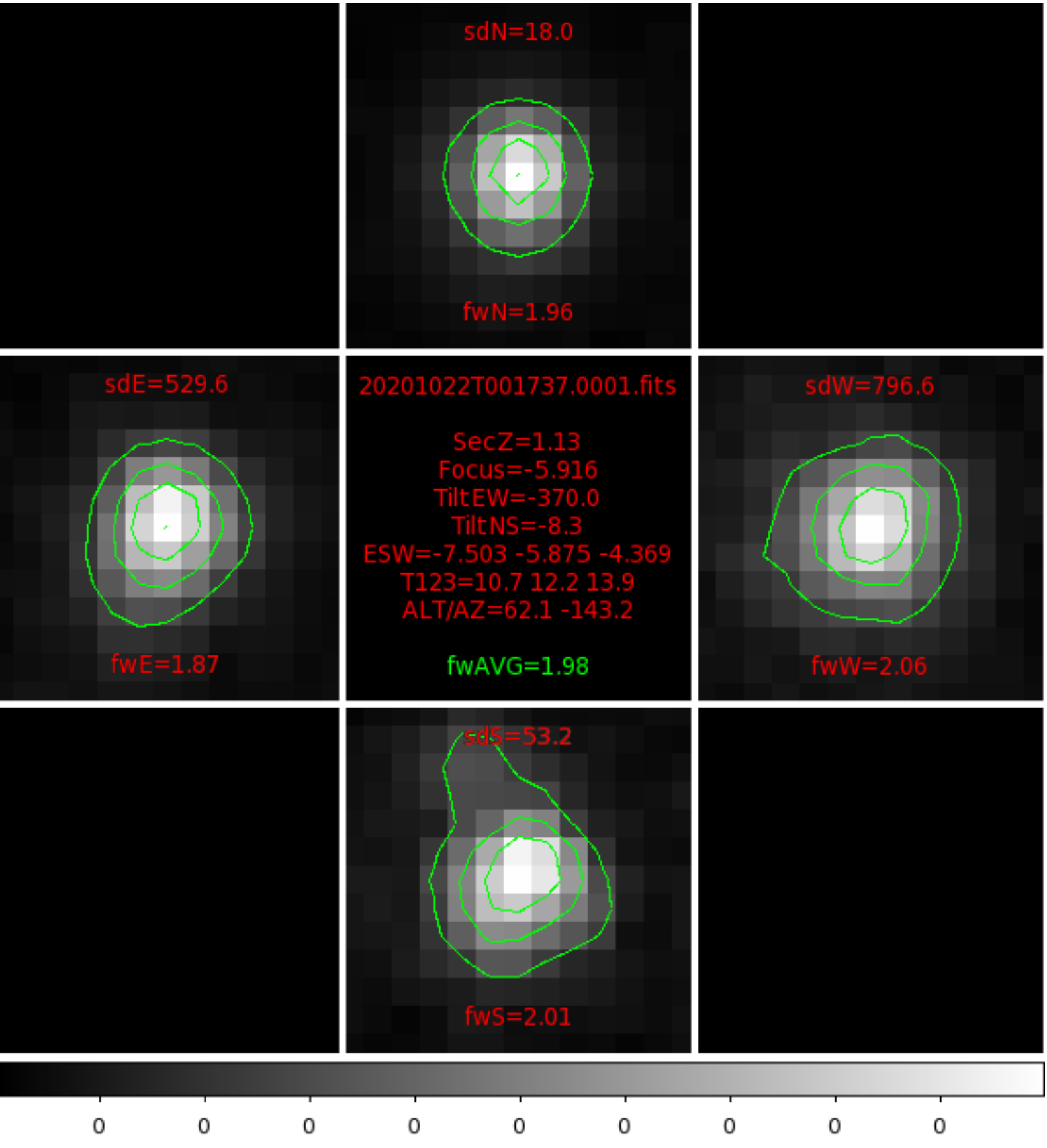

sdN=9.5
fwN=2.14
sdE=402.0
fwE=2.48
20201022T001556.0001.fits
SecZ=1.13
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=10.8 12.2 13.9
ALT/AZ=62.3 -144.0
fwAVG=2.30
sdW=576.3
fwW=2.30
sdS=28.4
fwS=2.27
0 0 0 0 0 0 0 0 0


sdN=18.0
fwN=1.96
sdE=529.6
fwE=1.87
20201022T001737.0001.fits
SecZ=1.13
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=10.7 12.2 13.9
ALT/AZ=62.1 -143.2
fwAVG=1.98
sdW=796.6
fwW=2.06
sdS=53.2
fwS=2.01
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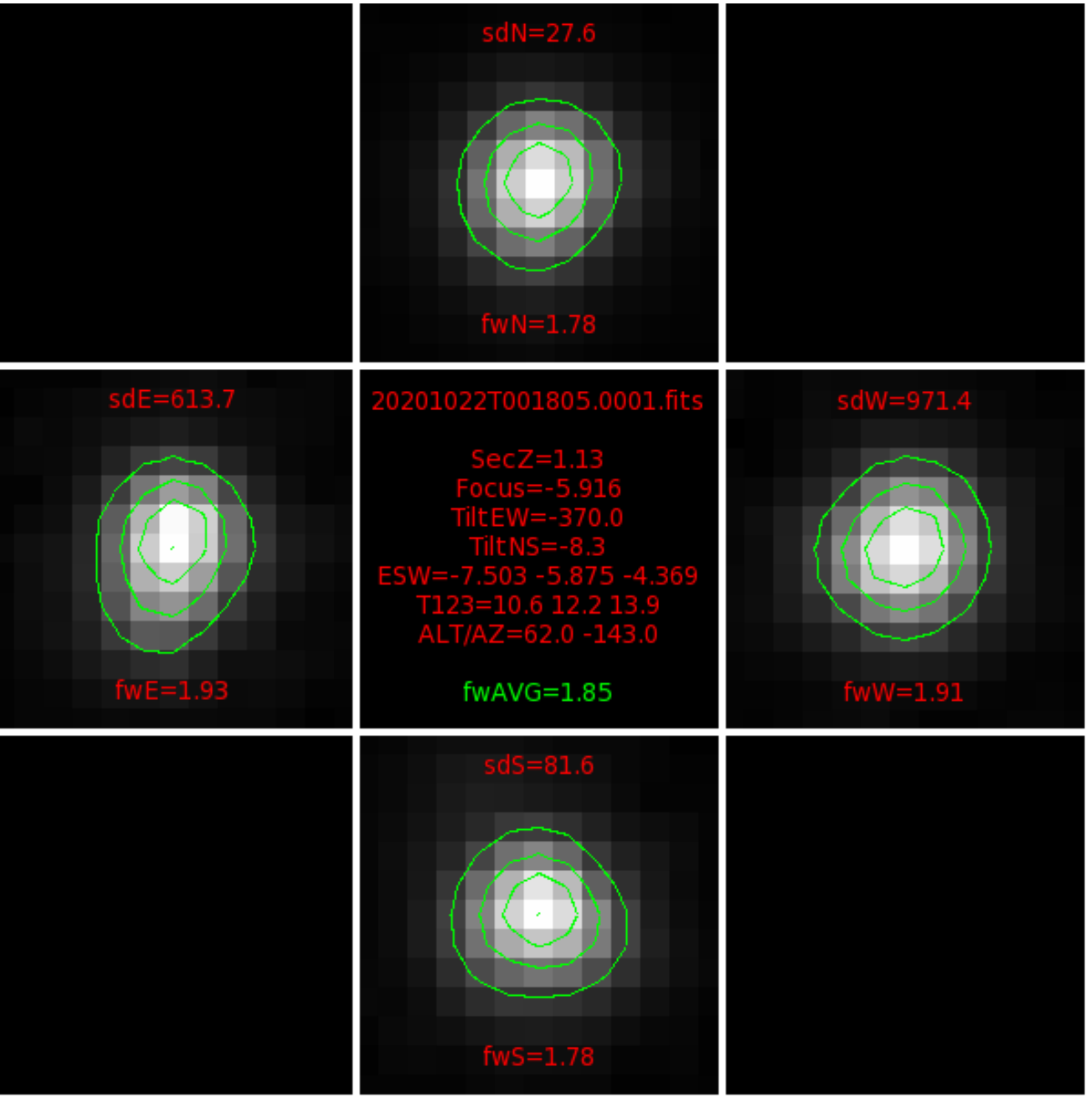
sdN=27.6
fwN=1.78
sdE=613.7
fwE=1.93
20201022T001805.0001.fits
SecZ=1.13
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=10.6 12.2 13.9
ALT/AZ=62.0 -143.0
fwAVG=1.85
sdW=971.4
fwW=1.91
sdS=81.6
fwS=1.78
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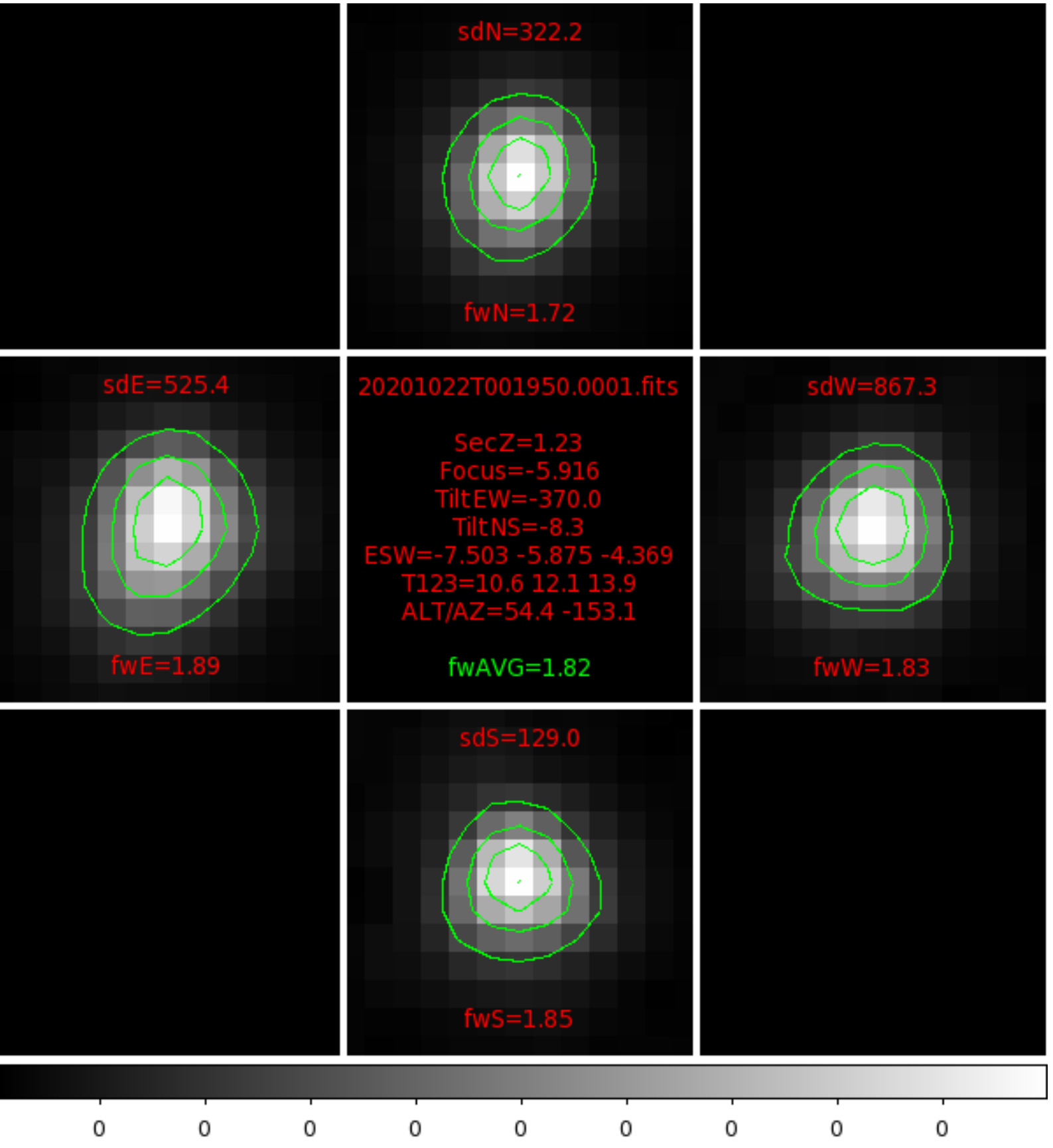
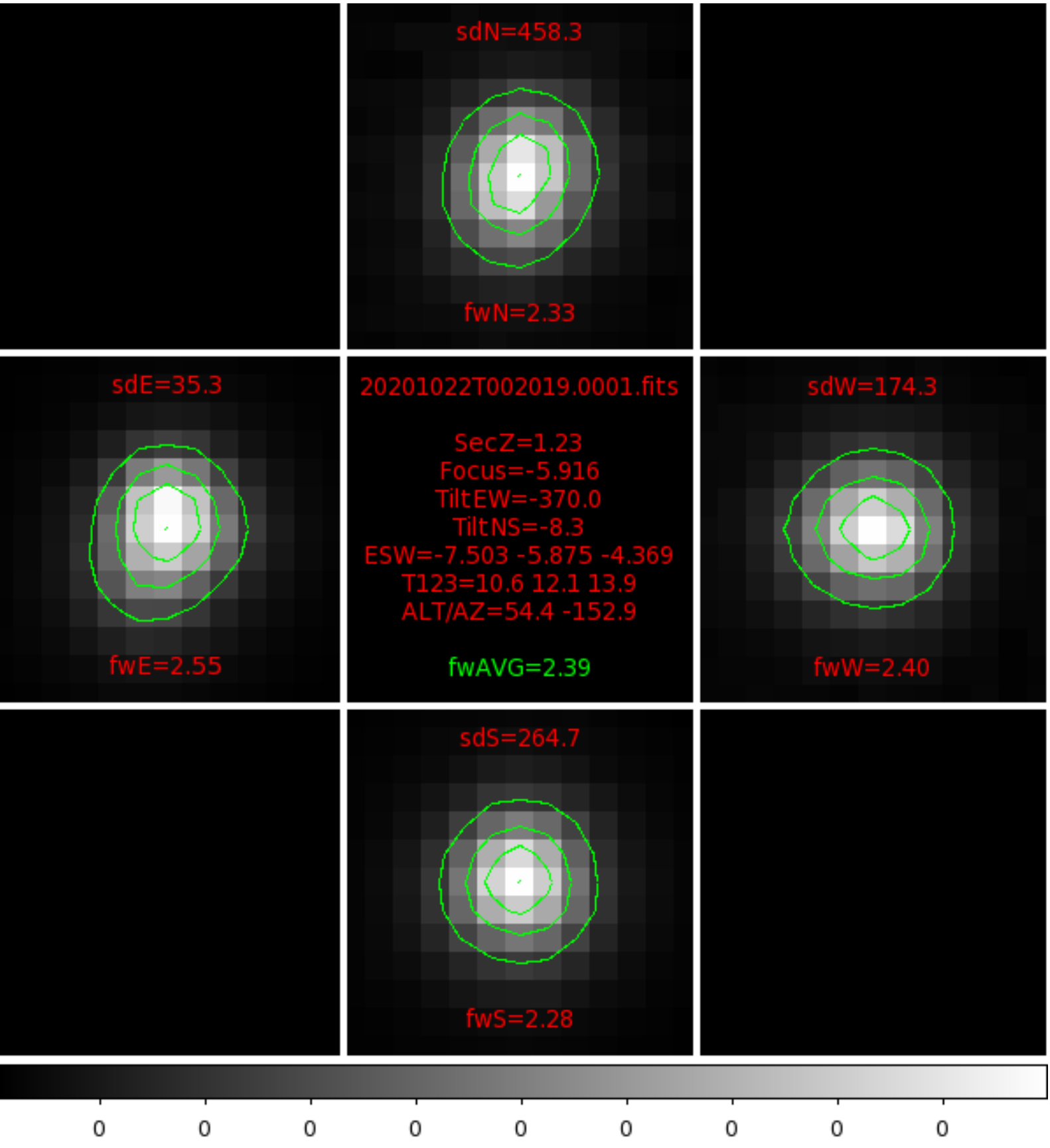

sdN=322.2
fwN=1.72
sdE=525.4
fwE=1.89
20201022T001950.0001.fits
SecZ=1.23
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=10.6 12.1 13.9
ALT/AZ=54.4 -153.1
fwAVG=1.82
sdW=867.3
fwW=1.83
sdS=129.0
fwS=1.85
0 0 0 0 0 0 0 0 0


sdN=458.3
fwN=2.33
sdE=35.3
fwE=2.55
20201022T002019.0001.fits
SecZ=1.23
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=10.6 12.1 13.9
ALT/AZ=54.4 -152.9
fwAVG=2.39
sdW=174.3
fwW=2.40
sdS=264.7
fwS=2.28
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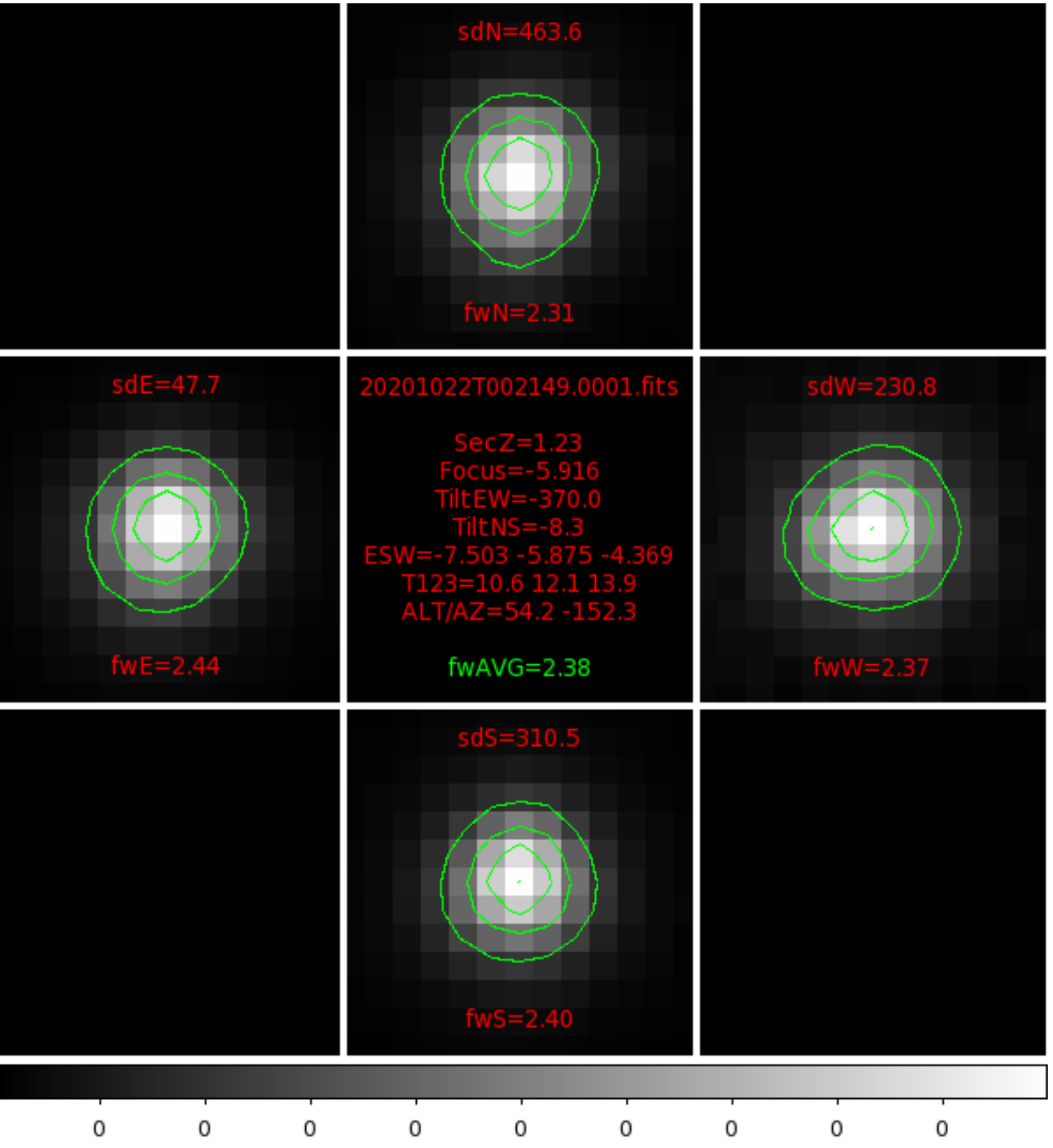
sdN=463.6
fwN=2.31
sdE=47.7
fwE=2.44
20201022T002149.0001.fits
SecZ=1.23
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=10.6 12.1 13.9
ALT/AZ=54.2 -152.3
fwAVG=2.38
sdW=230.8
fwW=2.37
sdS=310.5
fwS=2.40
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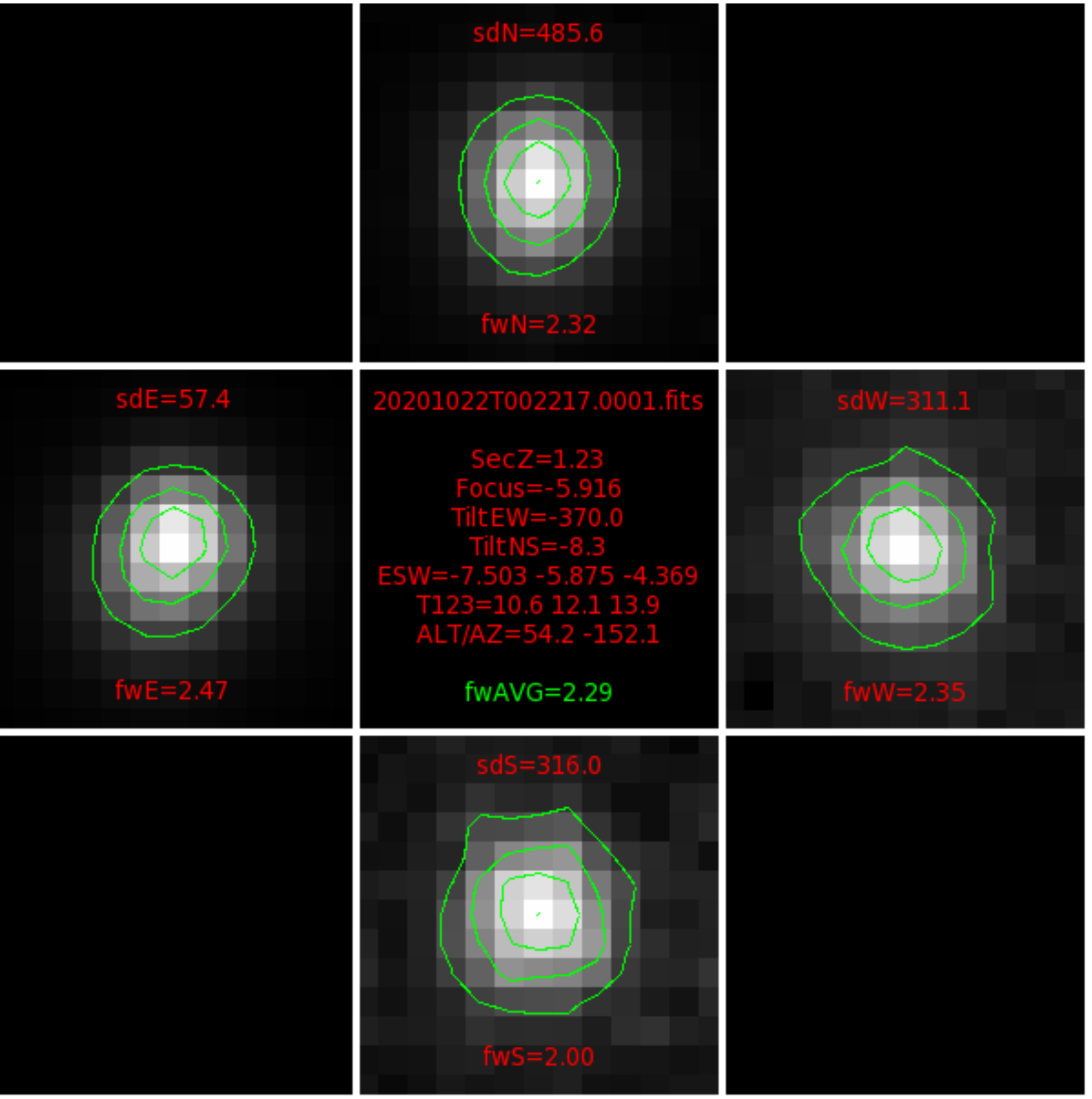
sdN=485.6
fwN=2.32
sdE=57.4
fwE=2.47
20201022T002217.0001.fits
SecZ=1.23
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=10.6 12.1 13.9
ALT/AZ=54.2 -152.1
fwAVG=2.29
sdW=311.1
fwW=2.35
sdS=316.0
fwS=2.00
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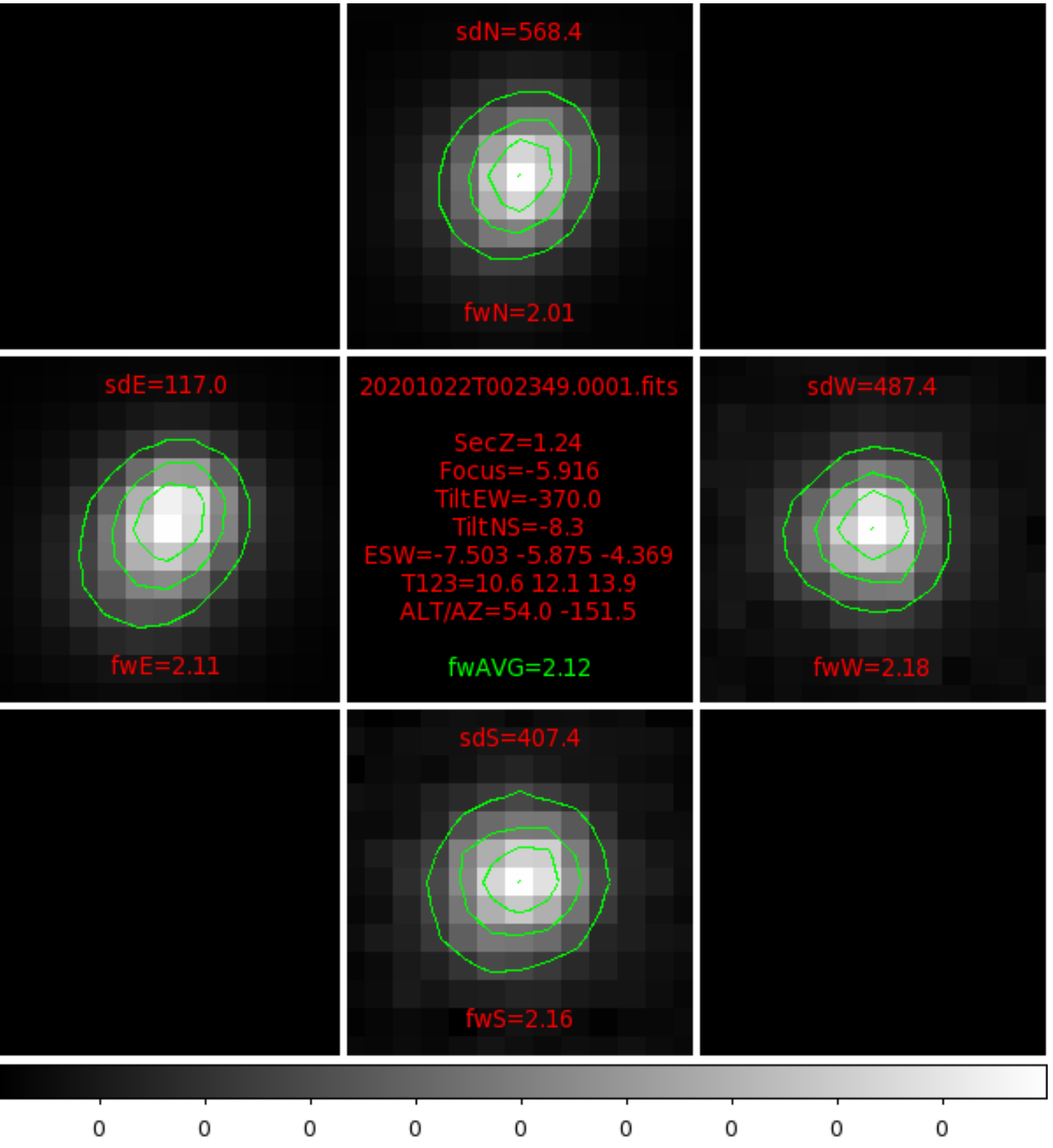
sdN=568.4
fwN=2.01
sdE=117.0
fwE=2.11
20201022T002349.0001.fits
SecZ=1.24
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=10.6 12.1 13.9
ALT/AZ=54.0 -151.5
fwAVG=2.12
sdW=487.4
fwW=2.18
sdS=407.4
fwS=2.16
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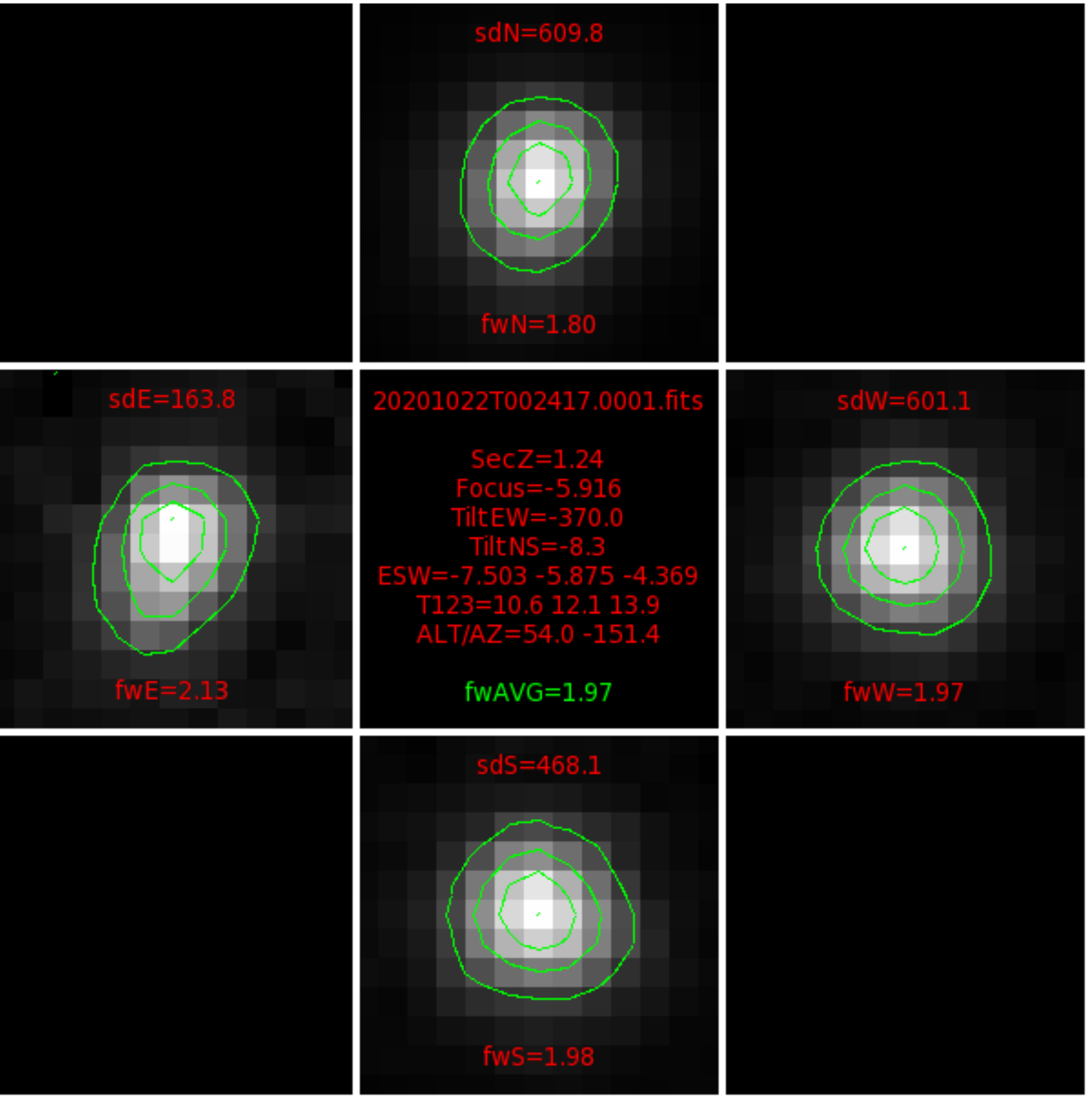
sdN=609.8
fwN=1.80
sdE=163.8
fwE=2.13
20201022T002417.0001.fits
SecZ=1.24
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=10.6 12.1 13.9
ALT/AZ=54.0 -151.4
fwAVG=1.97
sdW=601.1
fwW=1.97
sdS=468.1
fwS=1.98
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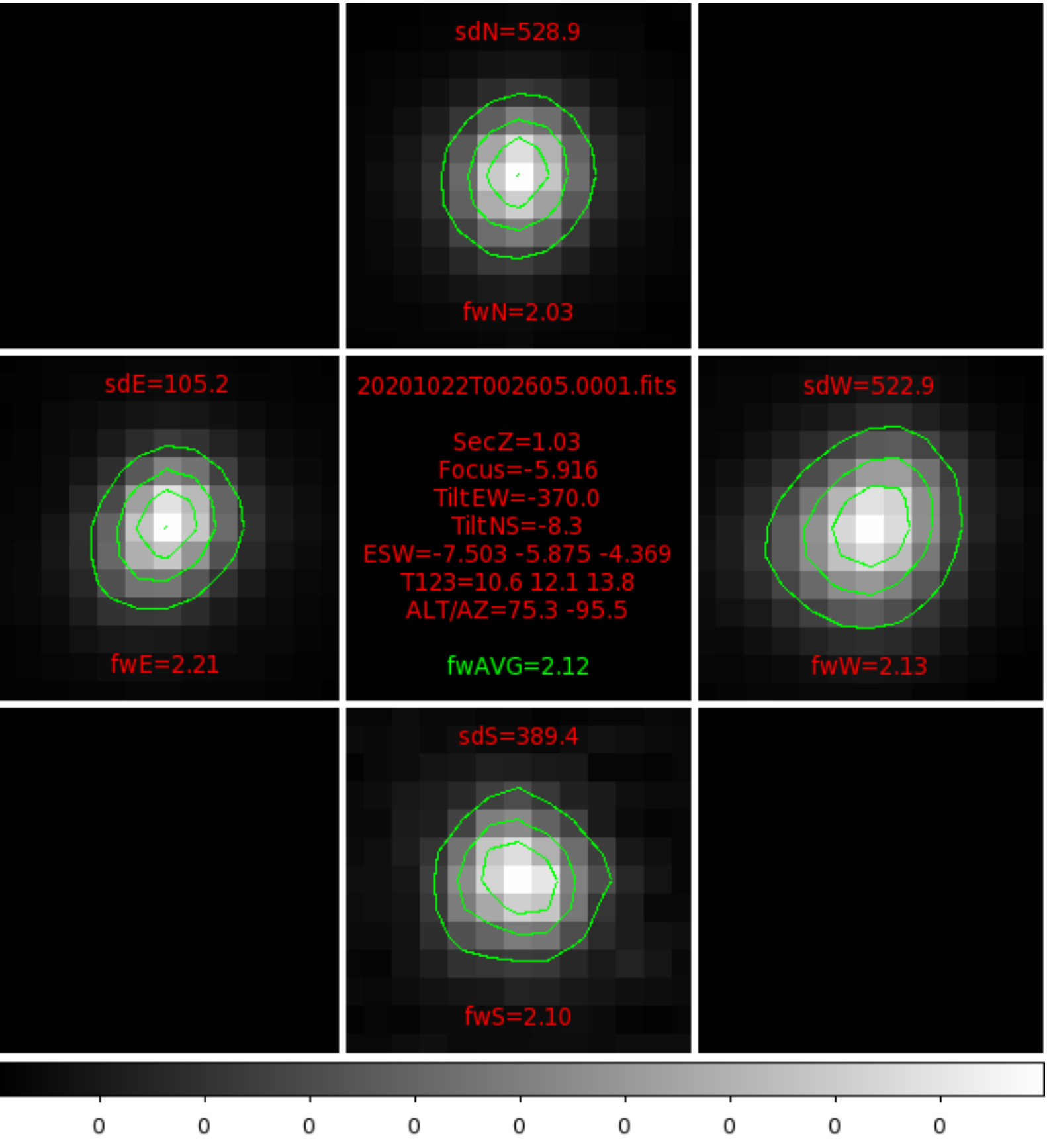
sdN=528.9
fwN=2.03
sdE=105.2
fwE=2.21
20201022T002605.0001.fits
SecZ=1.03
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=10.6 12.1 13.8
ALT/AZ=75.3 -95.5
fwAVG=2.12
sdW=522.9
fwW=2.13
sdS=389.4
fwS=2.10
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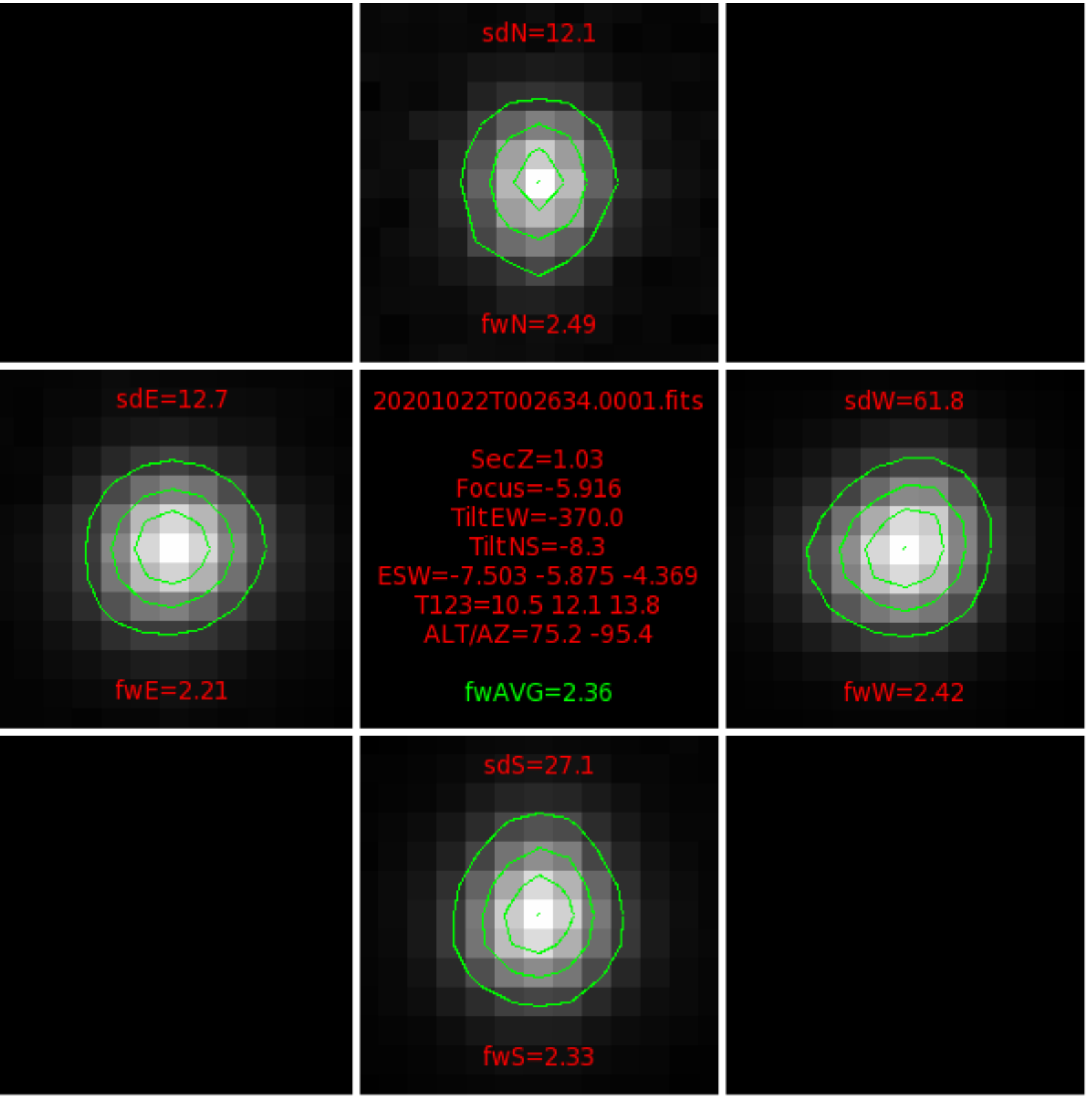
sdN=12.1
fwN=2.49
sdE=12.7
fwE=2.21
20201022T002634.0001.fits
SecZ=1.03
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=10.5 12.1 13.8
ALT/AZ=75.2 -95.4
fwAVG=2.36
sdW=61.8
fwW=2.42
sdS=27.1
fwS=2.33
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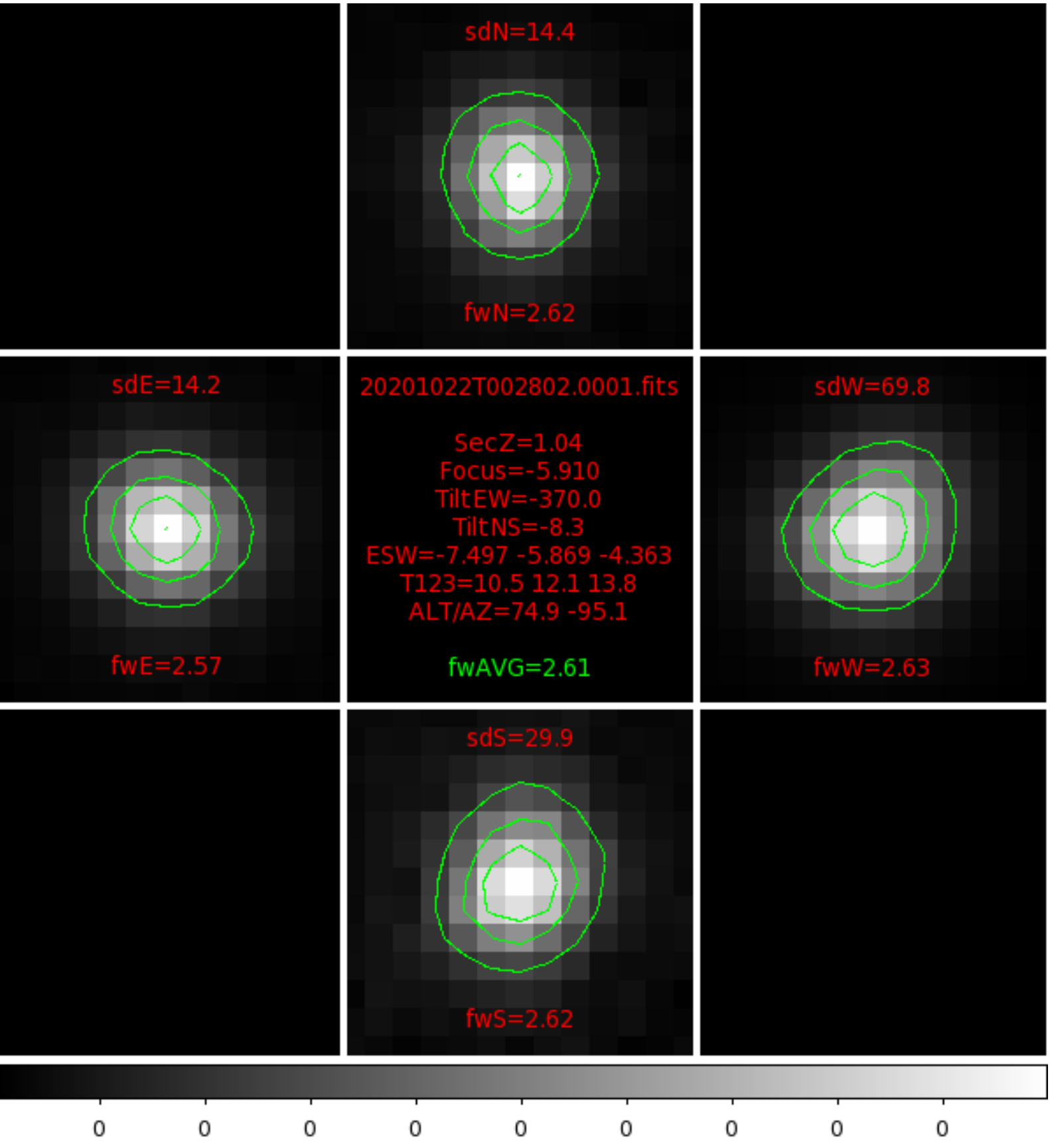
sdN=14.4
fwN=2.62
sdE=14.2
fwE=2.57
20201022T002802.0001.fits
SecZ=1.04
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=10.5 12.1 13.8
ALT/AZ=74.9 -95.1
fwAVG=2.61
sdW=69.8
fwW=2.63
sdS=29.9
fwS=2.62
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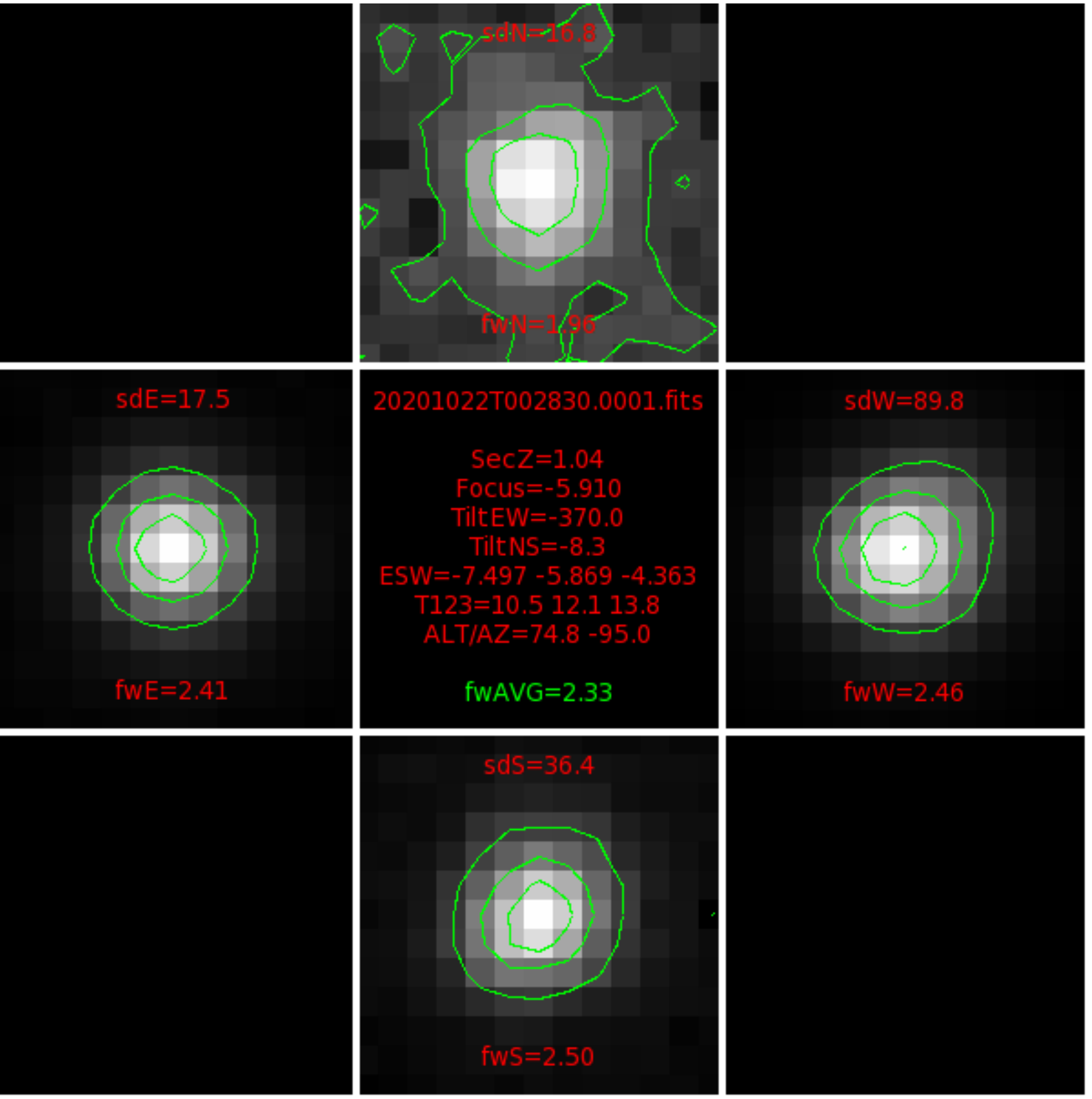
sdN=16.8
fwN=1.96
sdE=17.5
fwE=2.41
20201022T002830.0001.fits
SecZ=1.04
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=10.5 12.1 13.8
ALT/AZ=74.8 -95.0
fwAVG=2.33
sdW=89.8
fwW=2.46
sdS=36.4
fwS=2.50
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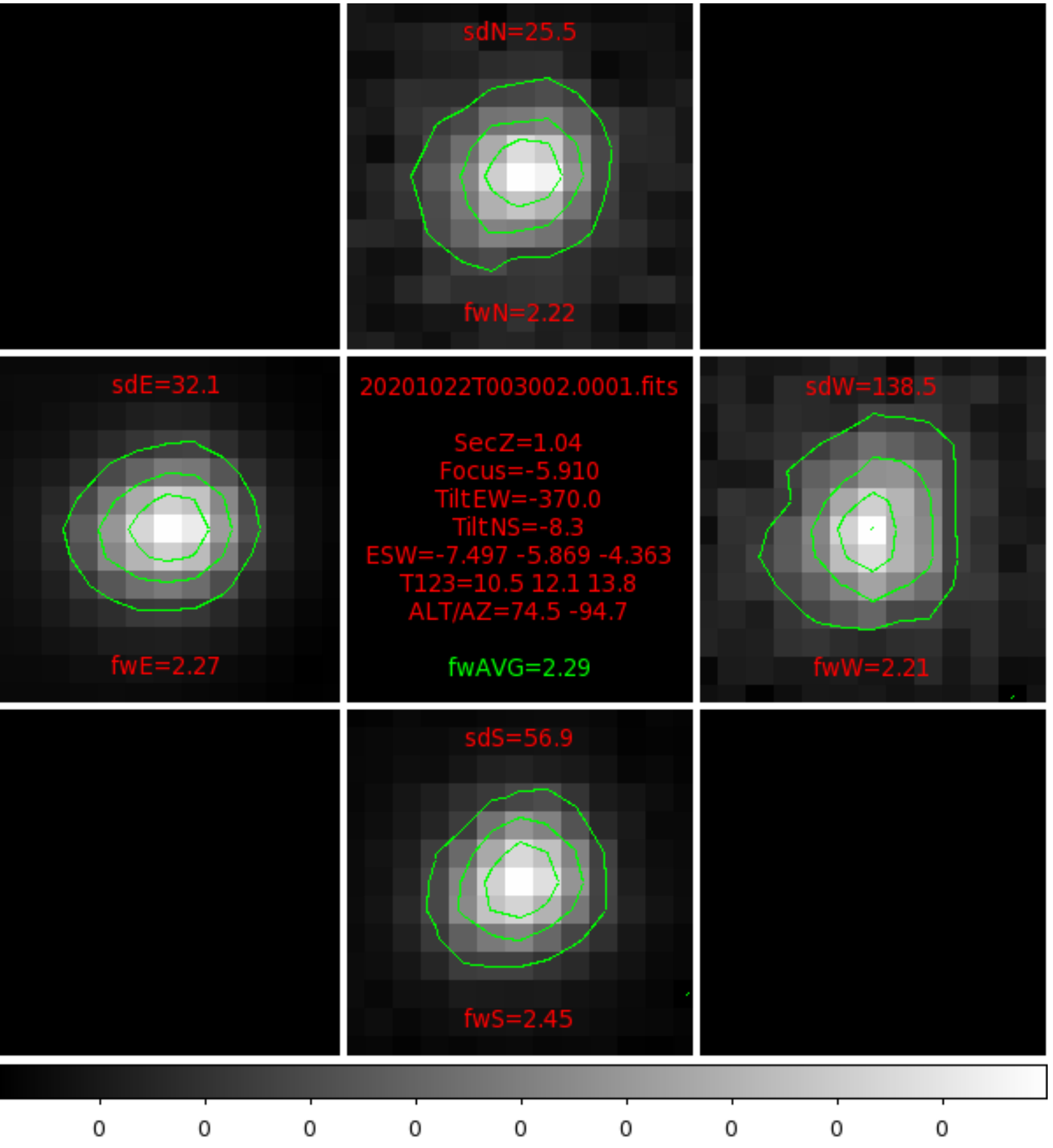
sdN=25.5
fwN=2.22
sdE=32.1
fwE=2.27
20201022T003002.0001.fits
SecZ=1.04
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=10.5 12.1 13.8
ALT/AZ=74.5 -94.7
fwAVG=2.29
sdW=138.5
fwW=2.21
sdS=56.9
fwS=2.45
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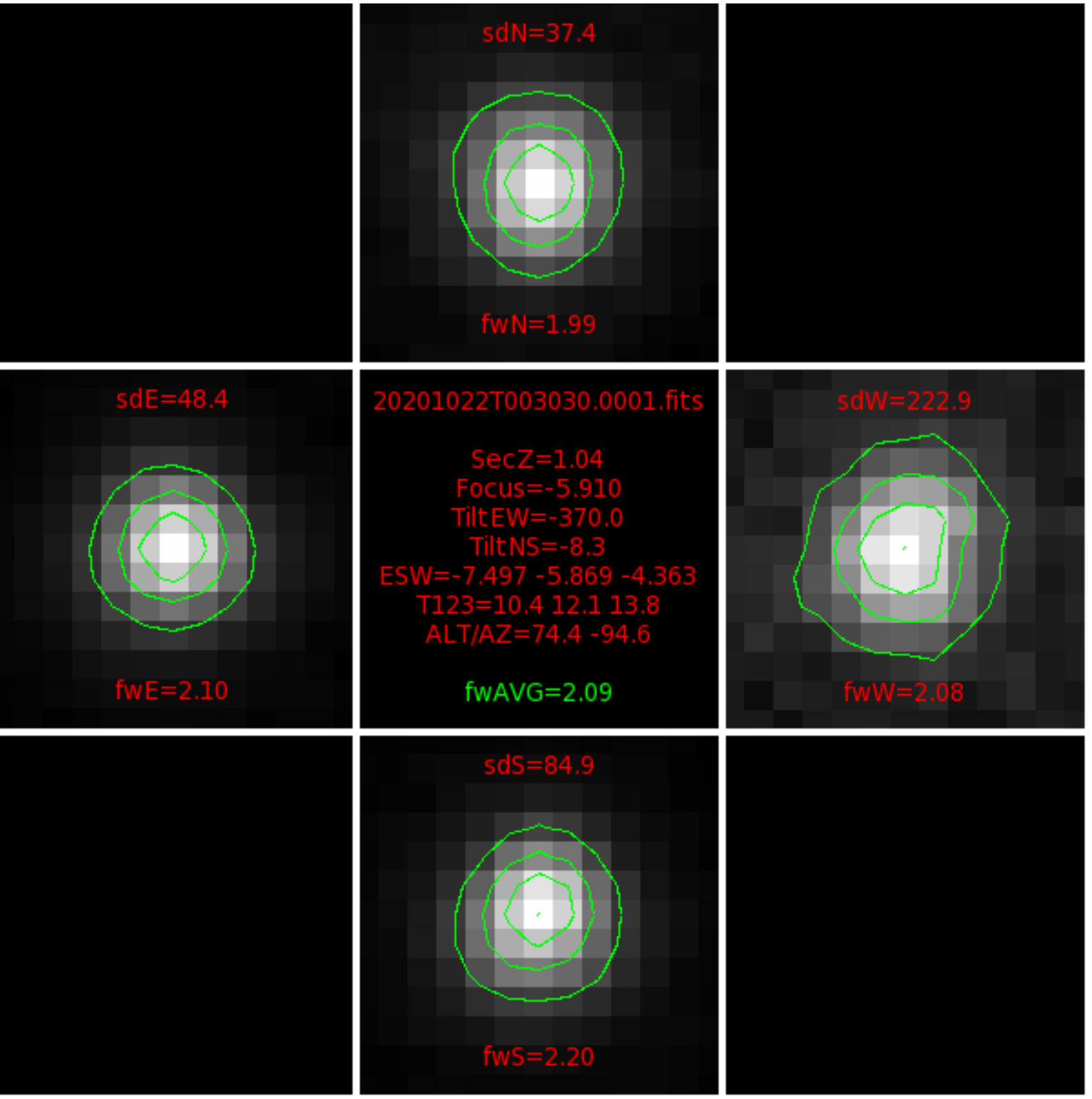
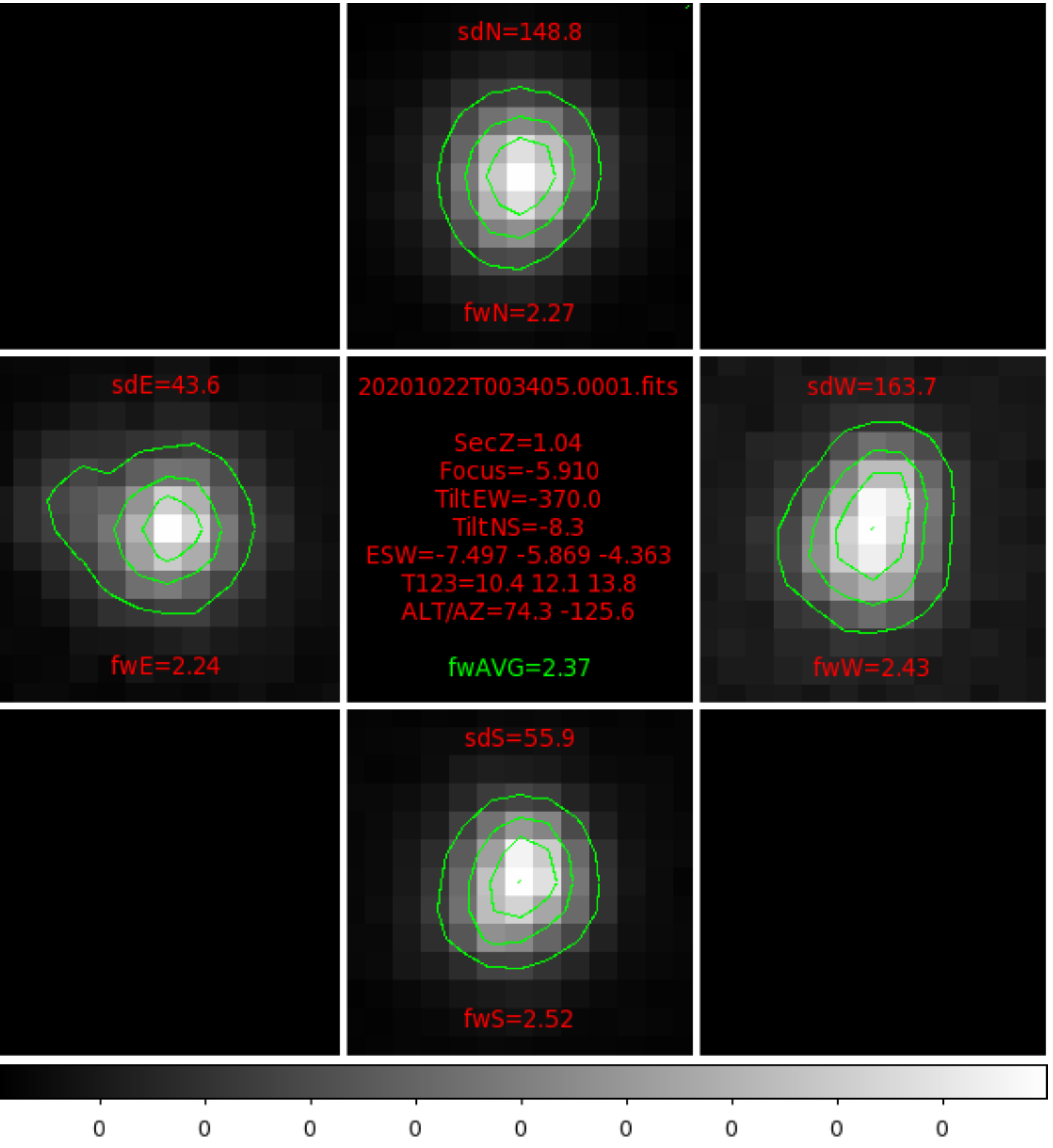
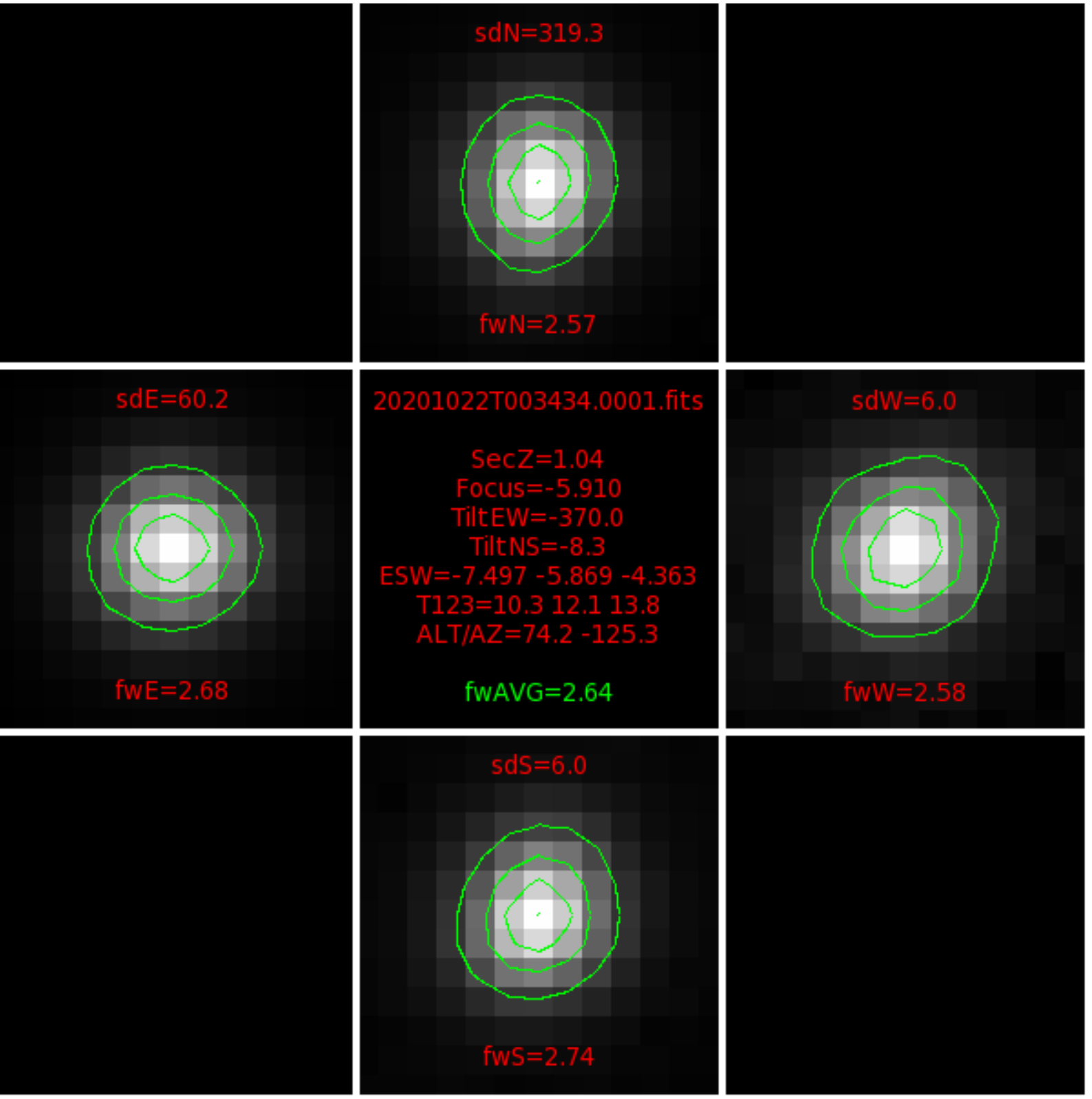

sdN=37.4
fwN=1.99
sdE=48.4
fwE=2.10
20201022T003030.0001.fits
SecZ=1.04
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=10.4 12.1 13.8
ALT/AZ=74.4 -94.6
fwAVG=2.09
sdW=222.9
fwW=2.08
sdS=84.9
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=148.8
fwN=2.27
sdE=43.6
fwE=2.24
20201022T003405.0001.fits
SecZ=1.04
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=10.4 12.1 13.8
ALT/AZ=74.3 -125.6
fwAVG=2.37
sdW=163.7
fwW=2.43
sdS=55.9
fwS=2.52
0 0 0 0 0 0 0 0 0


sdN=319.3
fwN=2.57
sdE=60.2
fwE=2.68
20201022T003434.0001.fits
SecZ=1.04
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=10.3 12.1 13.8
ALT/AZ=74.2 -125.3
fwAVG=2.64
sdW=6.0
fwW=2.58
sdS=6.0
fwS=2.74
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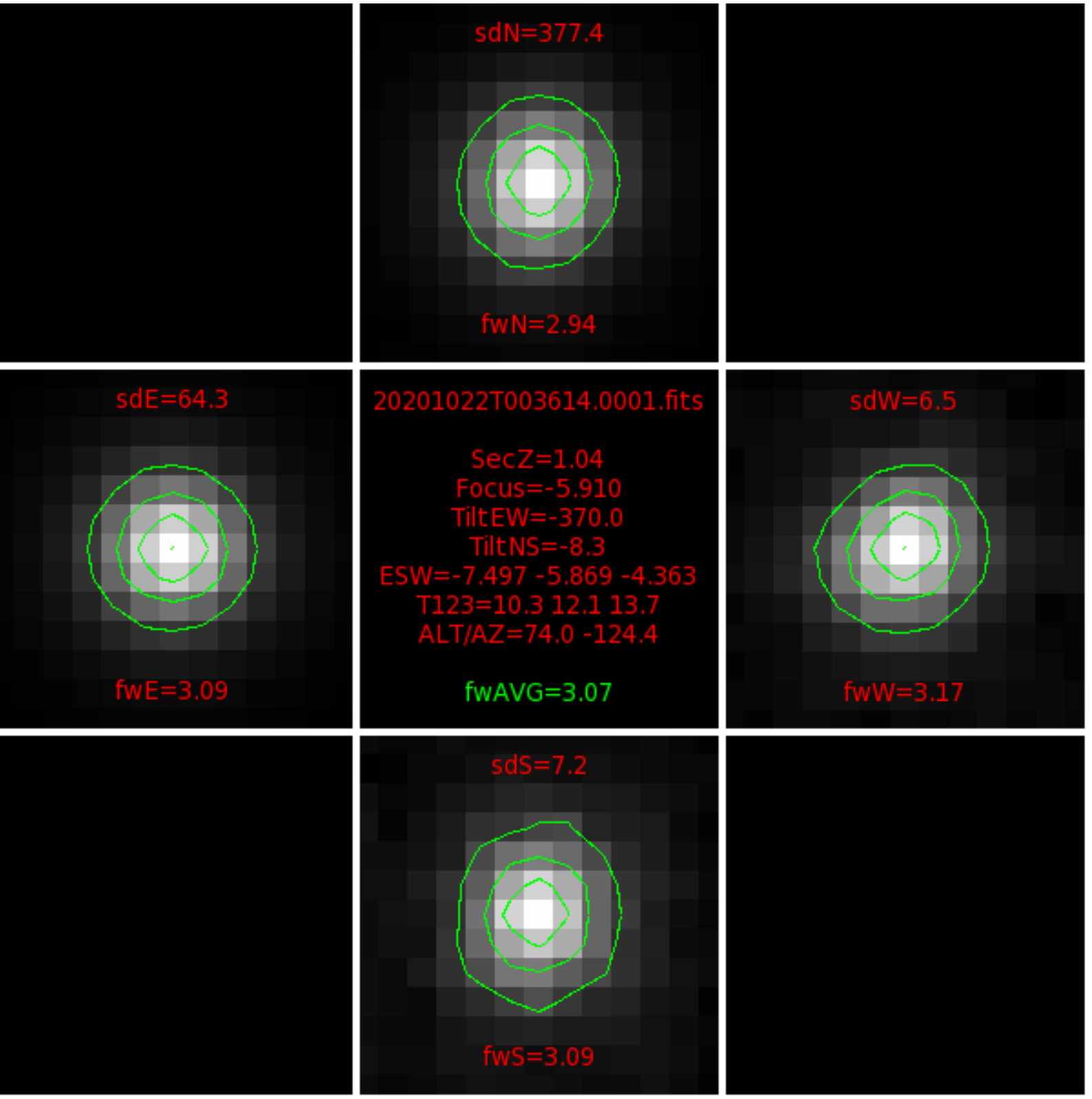
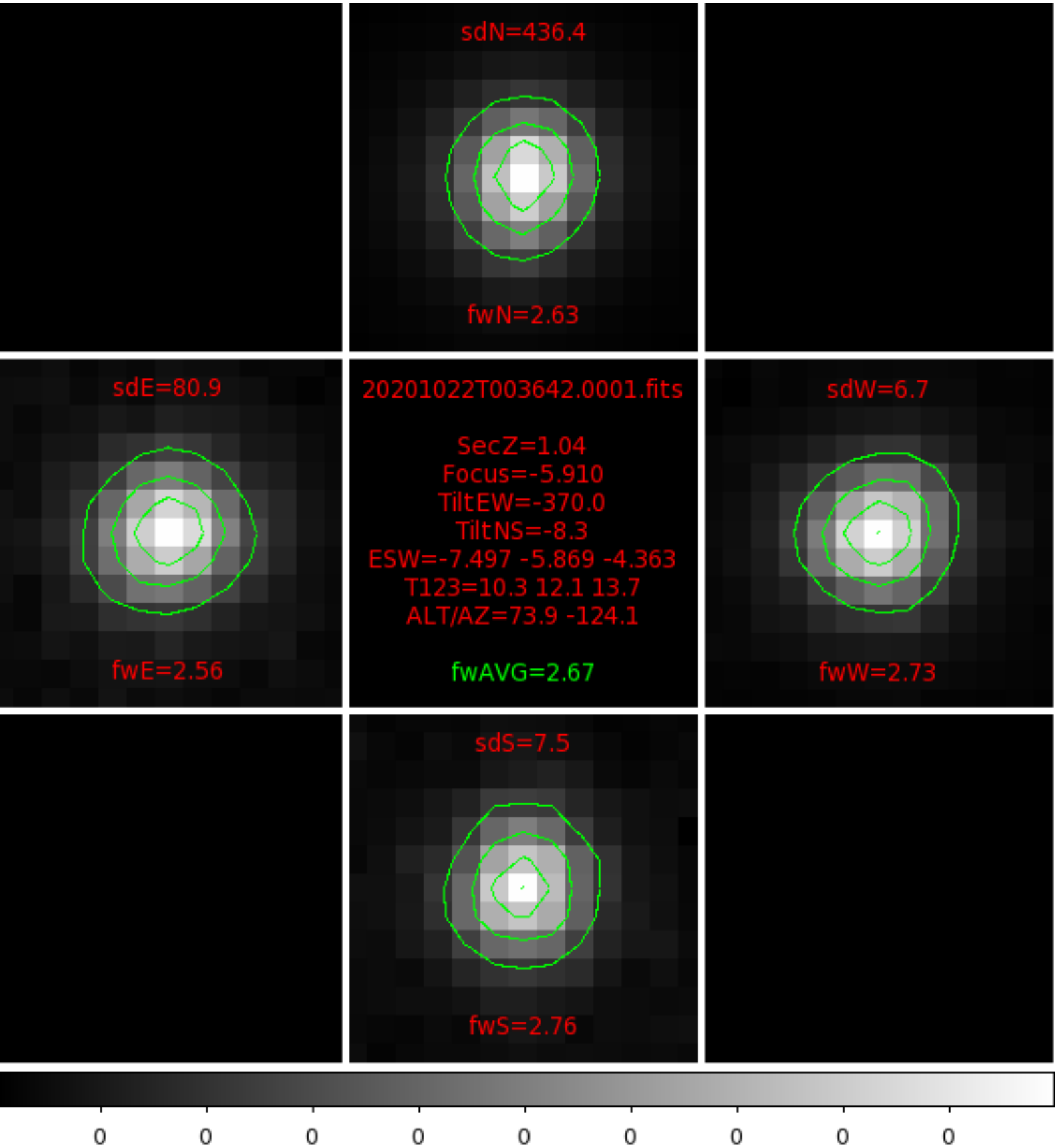
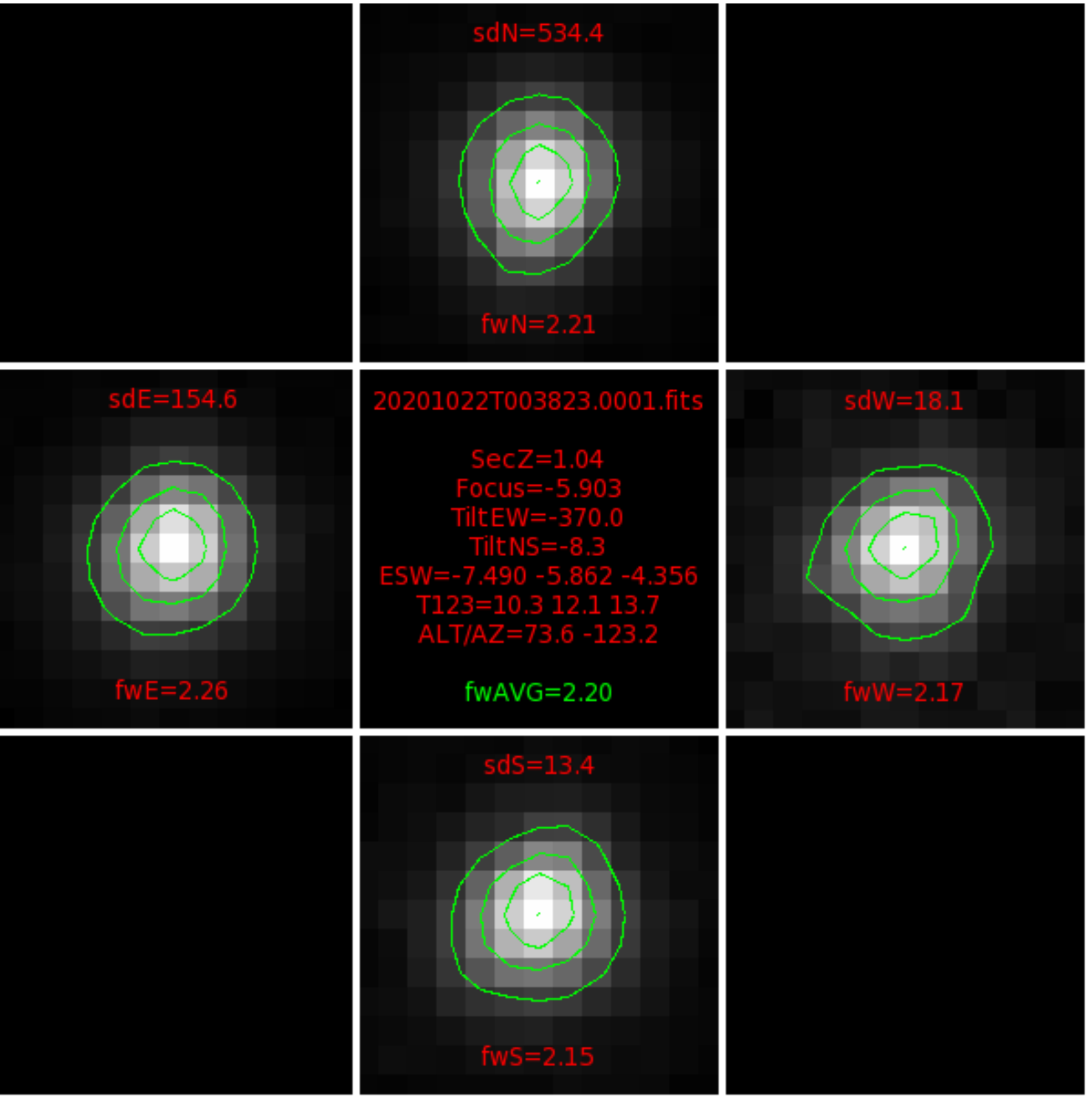
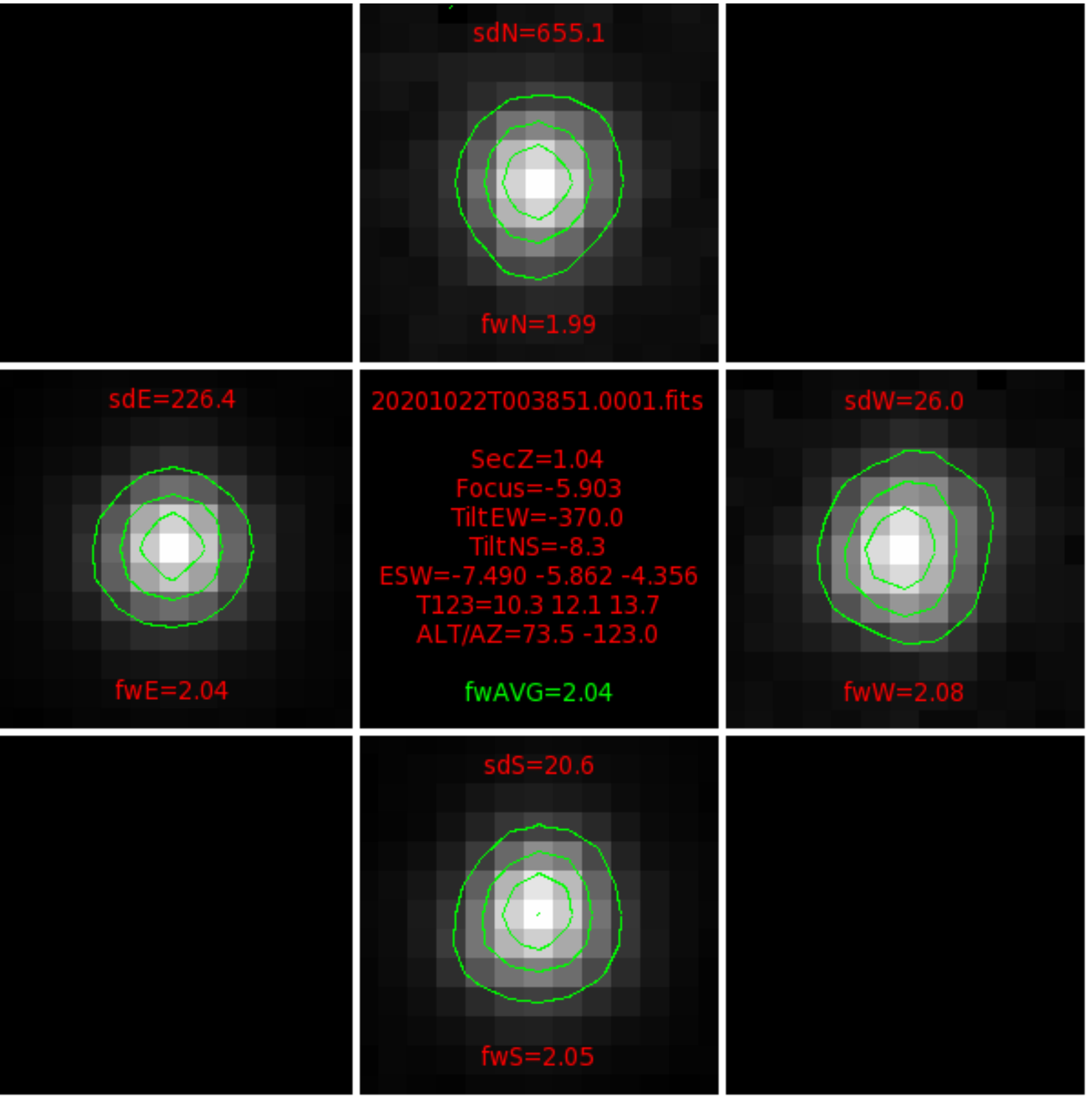
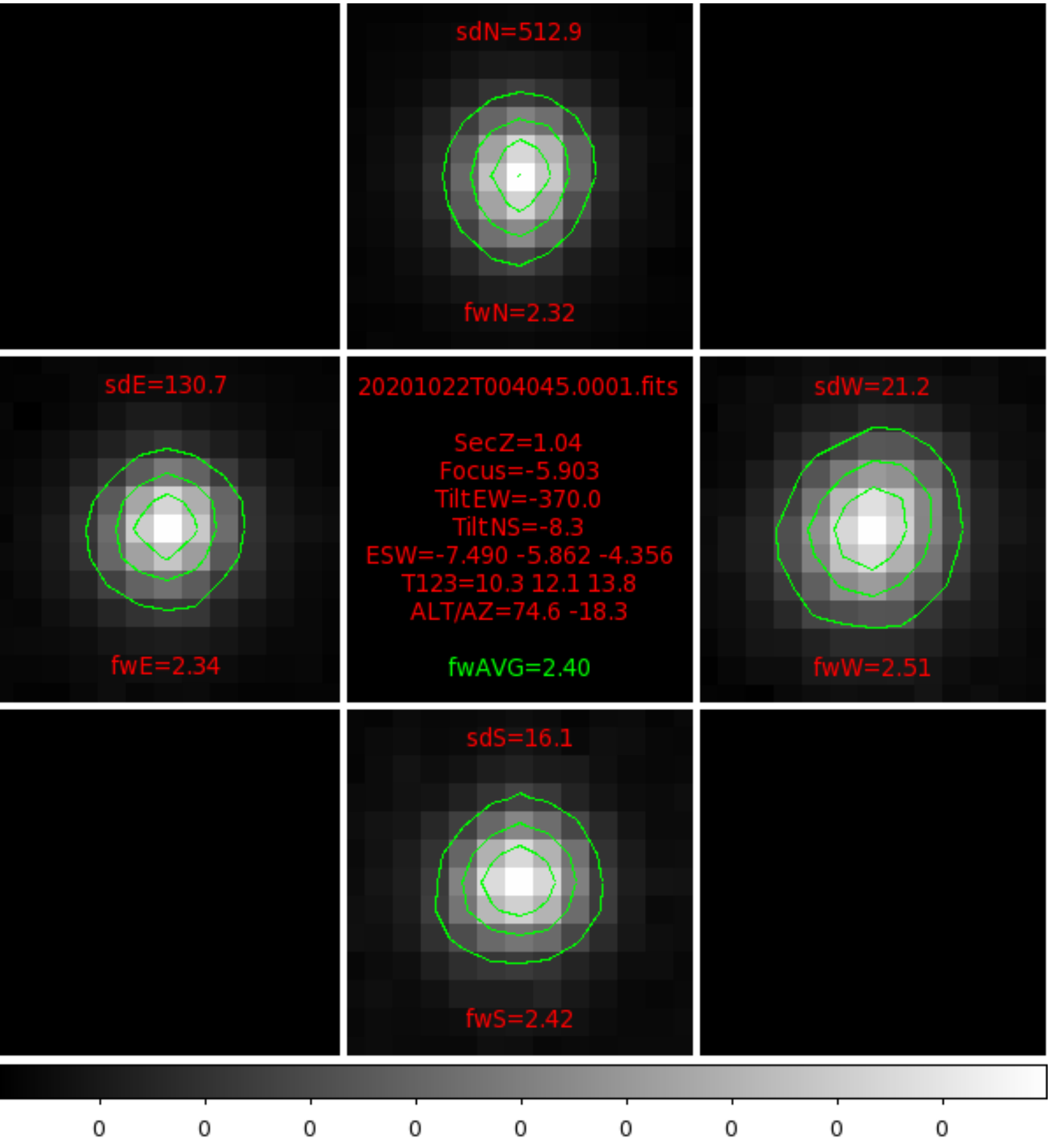

sdN=377.4
fwN=2.94
sdE=64.3
fwE=3.09
20201022T003614.0001.fits
SecZ=1.04
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=10.3 12.1 13.7
ALT/AZ=74.0 -124.4
fwAVG=3.07
sdW=6.5
fwW=3.17
sdS=7.2
fwS=3.09
0 0 0 0 0 0 0 0 0


sdN=436.4
fwN=2.63
sdE=80.9
fwE=2.56
20201022T003642.0001.fits
SecZ=1.04
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=10.3 12.1 13.7
ALT/AZ=73.9 -124.1
fwAVG=2.67
sdW=6.7
fwW=2.73
sdS=7.5
fwS=2.76
0 0 0 0 0 0 0 0 0


sdN=534.4
fwN=2.21
sdE=154.6
fwE=2.26
20201022T003823.0001.fits
SecZ=1.04
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=10.3 12.1 13.7
ALT/AZ=73.6 -123.2
fwAVG=2.20
sdW=18.1
fwW=2.17
sdS=13.4
fwS=2.15
0 0 0 0 0 0 0 0 0


sdN=655.1
fwN=1.99
sdE=226.4
fwE=2.04
20201022T003851.0001.fits
SecZ=1.04
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=10.3 12.1 13.7
ALT/AZ=73.5 -123.0
fwAVG=2.04
sdW=26.0
fwW=2.08
sdS=20.6
fwS=2.05
0 0 0 0 0 0 0 0 0


sdN=512.9
fwN=2.32
sdE=130.7
fwE=2.34
20201022T004045.0001.fits
SecZ=1.04
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=10.3 12.1 13.8
ALT/AZ=74.6 -18.3
fwAVG=2.40
sdW=21.2
fwW=2.51
sdS=16.1
fwS=2.42
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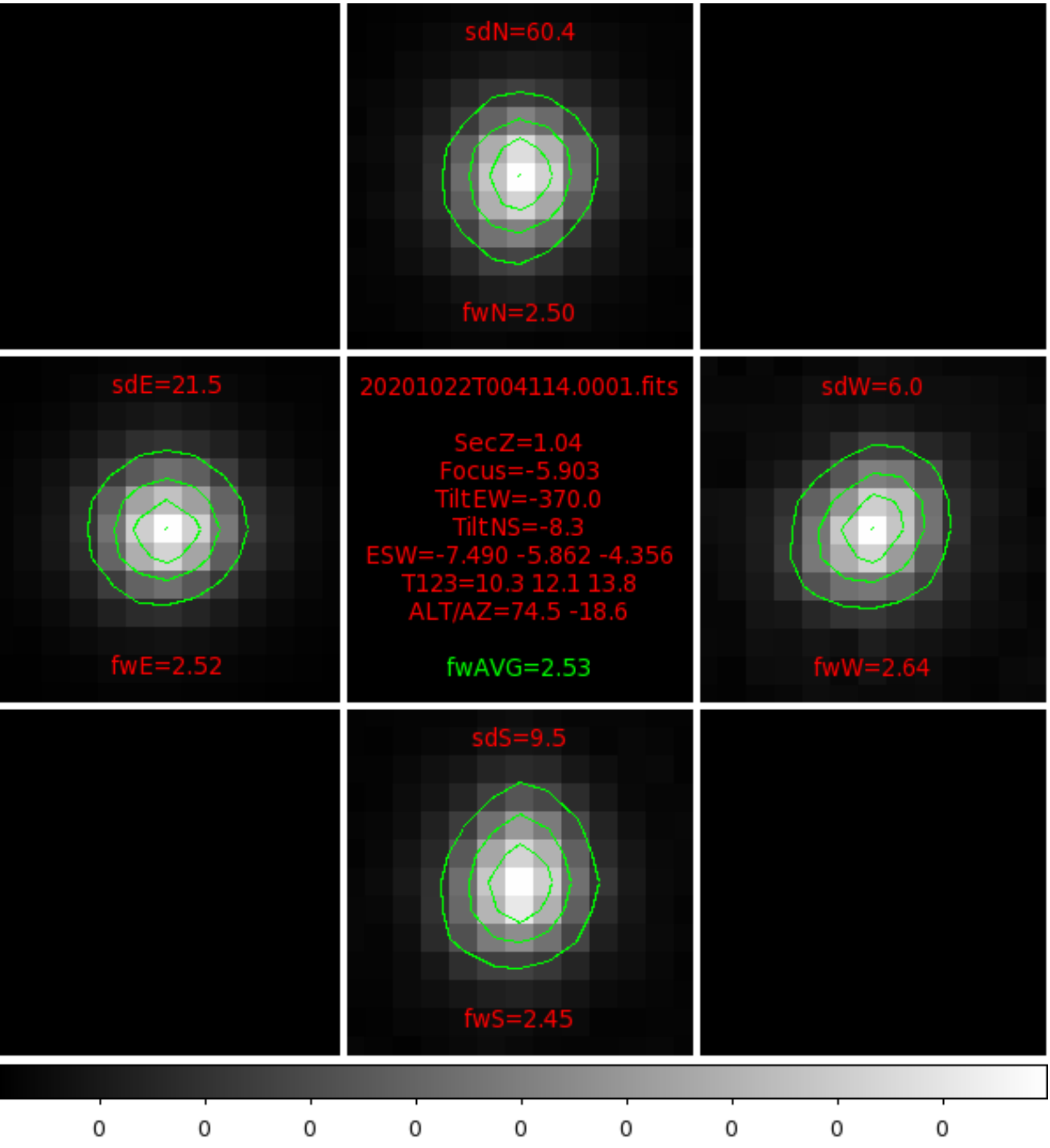
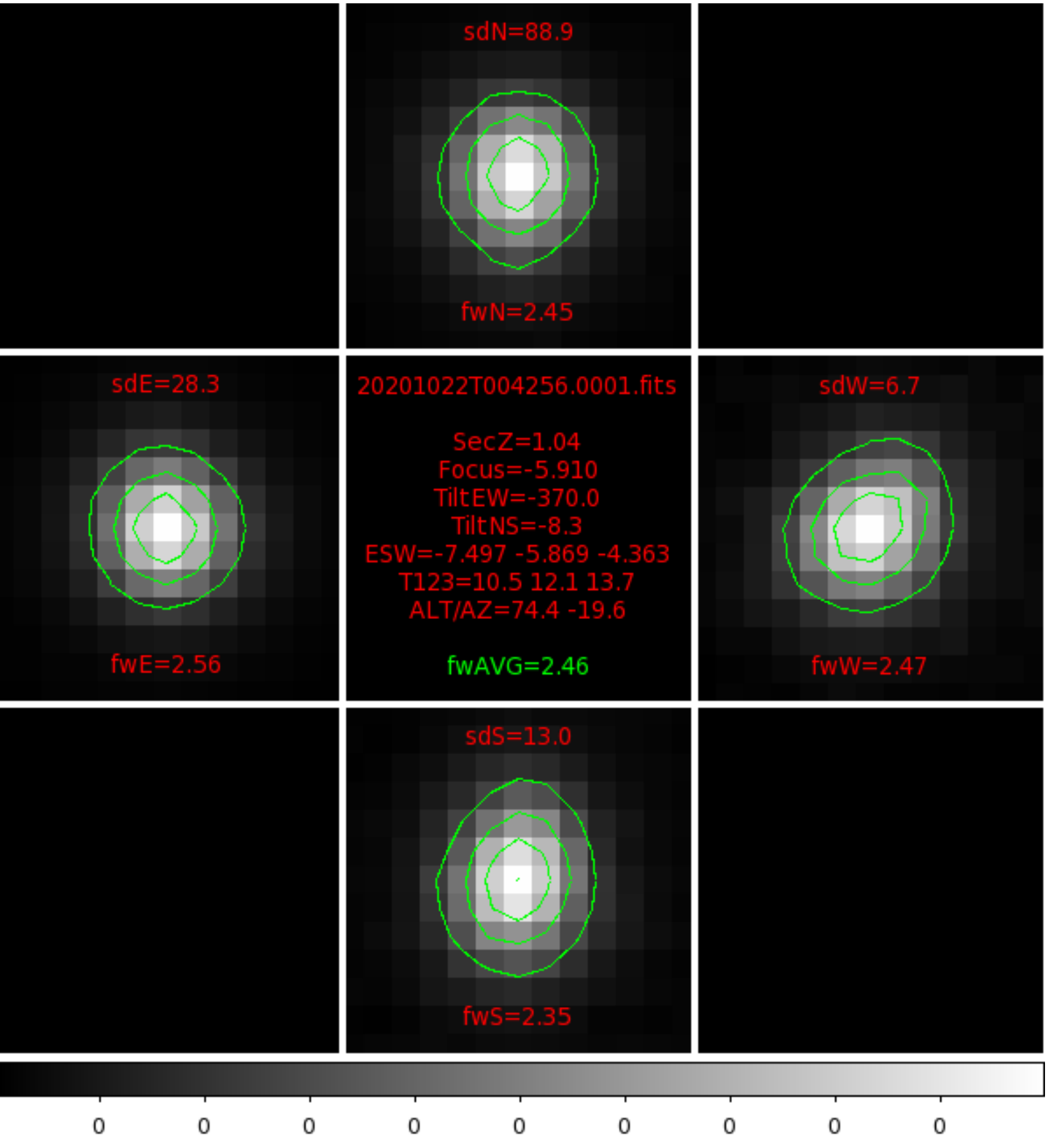
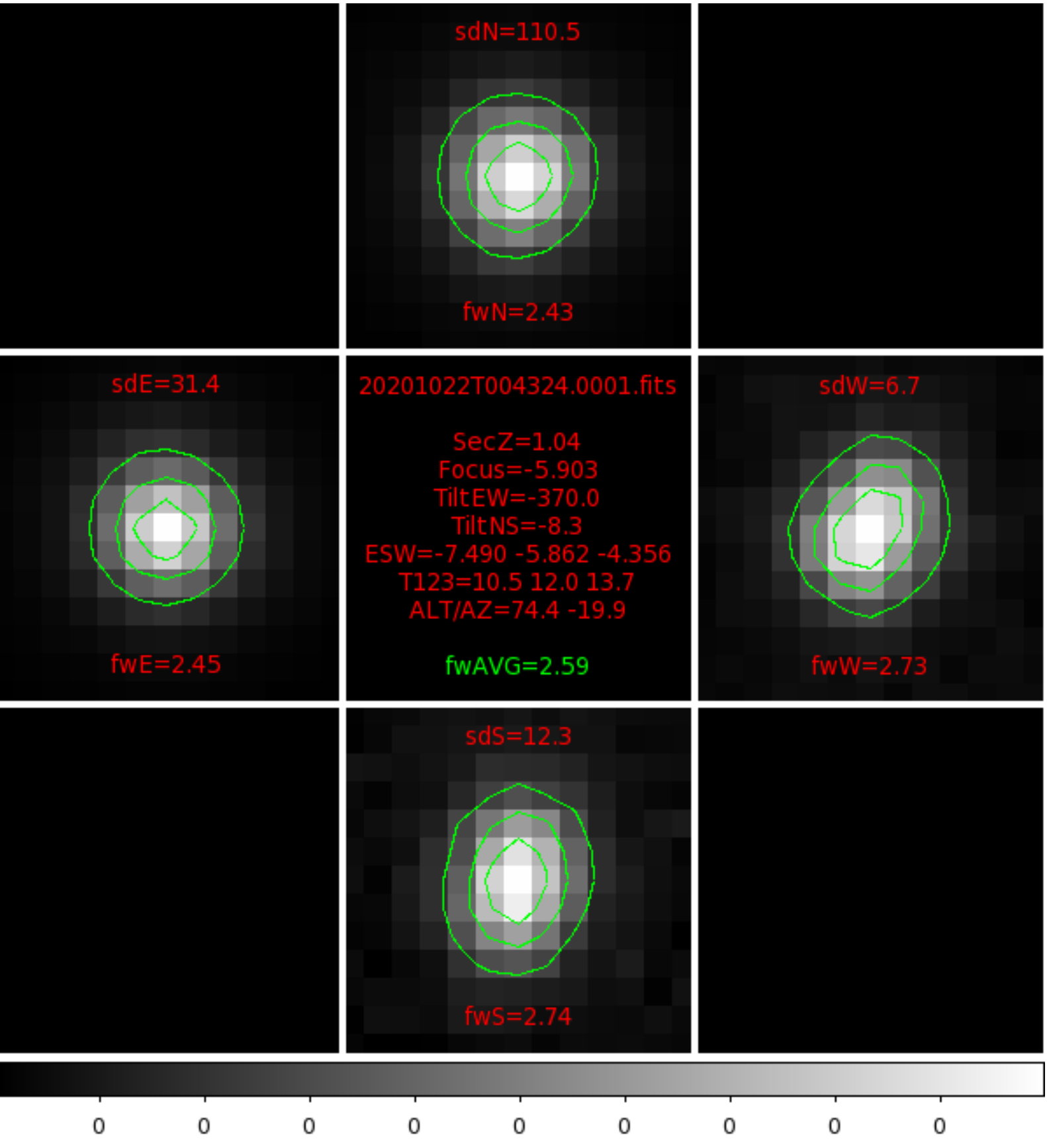
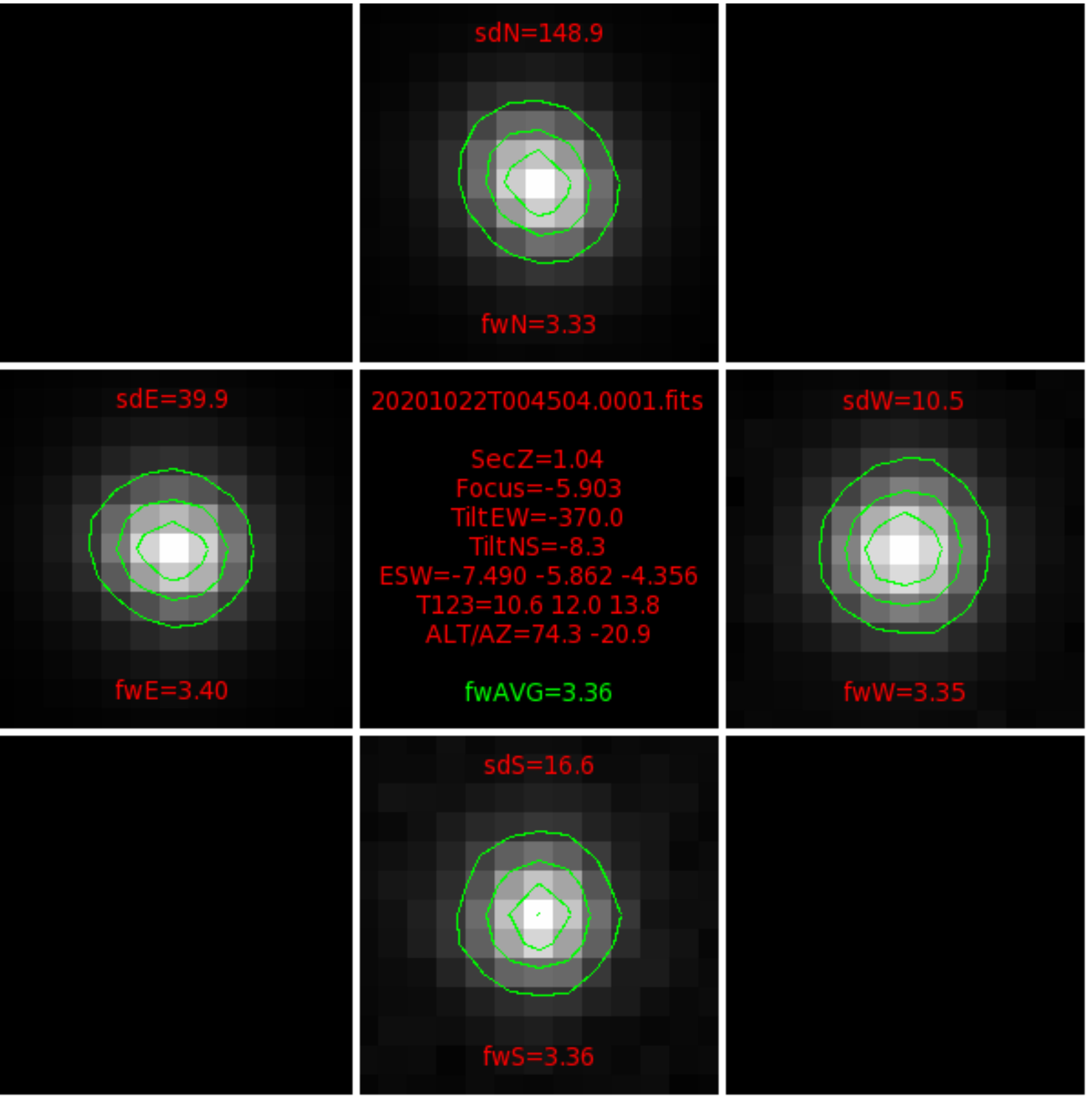

sdN=60.4
fwN=2.50
sdE=21.5
fwE=2.52
20201022T004114.0001.fits
SecZ=1.04
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=10.3 12.1 13.8
ALT/AZ=74.5 -18.6
fwAVG=2.53
sdW=6.0
fwW=2.64
sdS=9.5
fwS=2.45
0 0 0 0 0 0 0 0 0


sdN=88.9
fwN=2.45
sdE=28.3
fwE=2.56
20201022T004256.0001.fits
SecZ=1.04
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=10.5 12.1 13.7
ALT/AZ=74.4 -19.6
fwAVG=2.46
sdW=6.7
fwW=2.47
sdS=13.0
fwS=2.35
0 0 0 0 0 0 0 0 0


sdN=110.5
fwN=2.43
sdE=31.4
fwE=2.45
20201022T004324.0001.fits
SecZ=1.04
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=10.5 12.0 13.7
ALT/AZ=74.4 -19.9
fwAVG=2.59
sdW=6.7
fwW=2.73
sdS=12.3
fwS=2.74
0 0 0 0 0 0 0 0 0


sdN=148.9
fwN=3.33
sdE=39.9
fwE=3.40
20201022T004504.0001.fits
SecZ=1.04
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=10.6 12.0 13.8
ALT/AZ=74.3 -20.9
fwAVG=3.36
sdW=10.5
fwW=3.35
sdS=16.6
fwS=3.36
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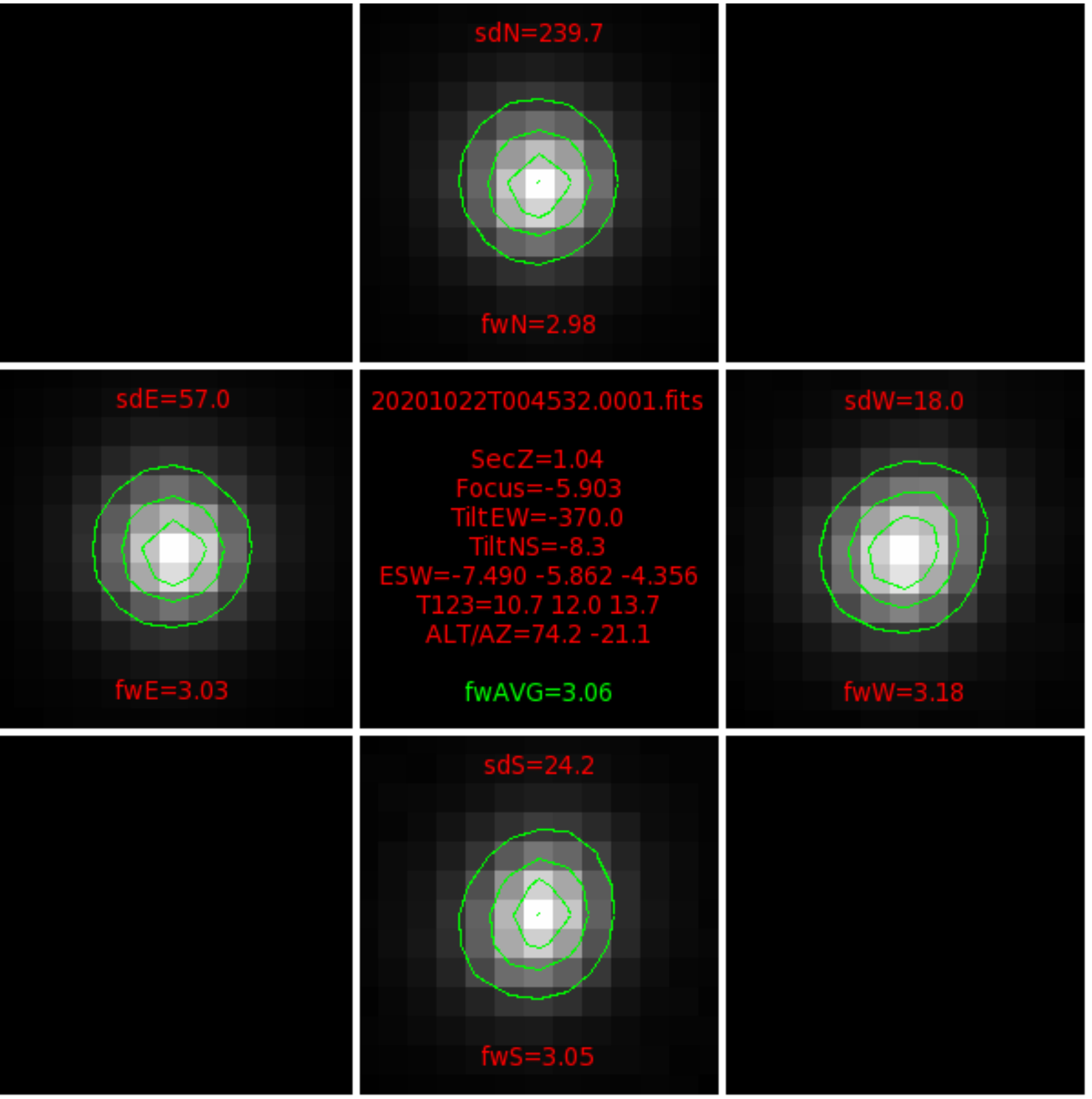
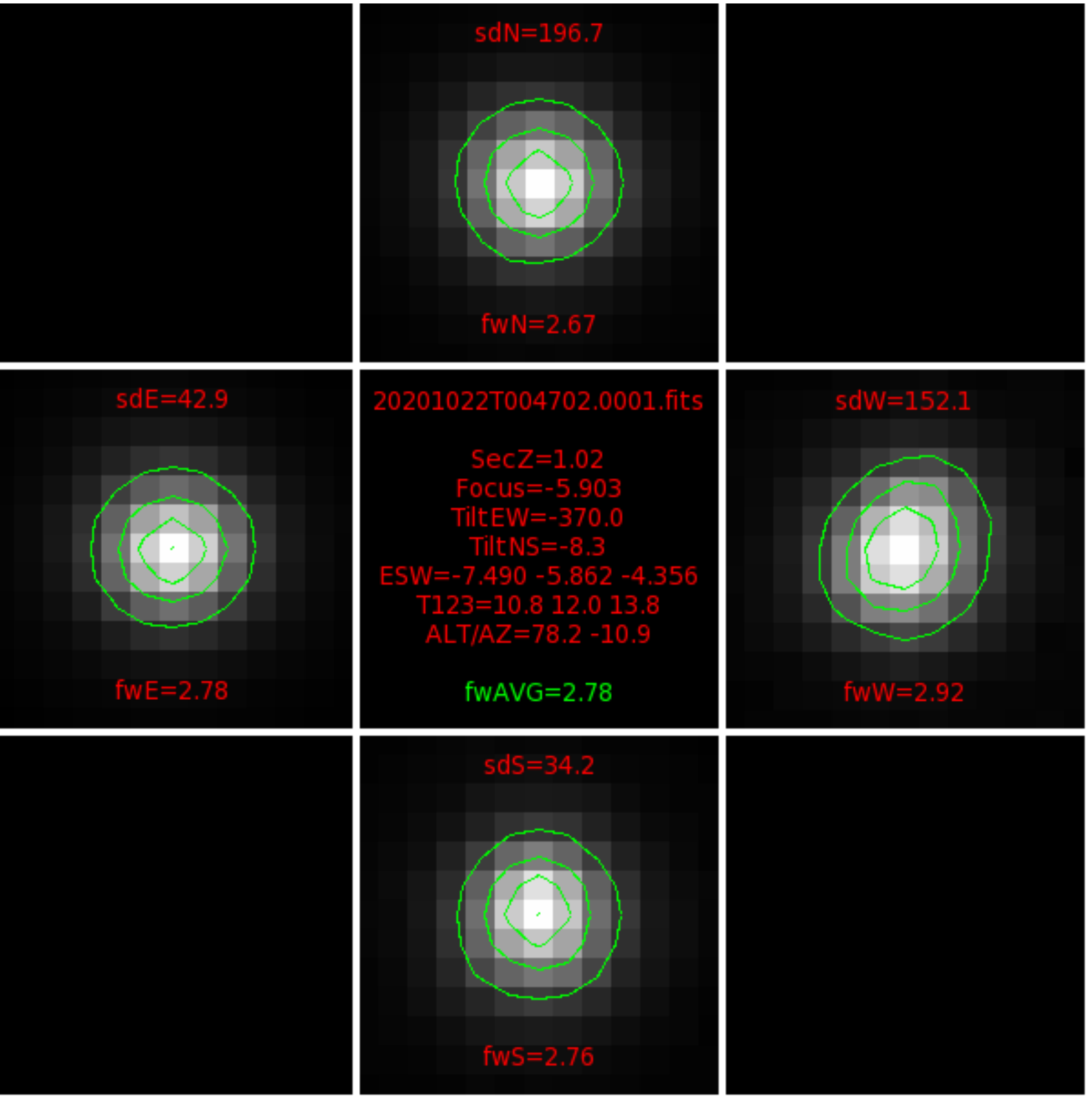

sdN=239.7
fwN=2.98
sdE=57.0
fwE=3.03
20201022T004532.0001.fits
SecZ=1.04
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=10.7 12.0 13.7
ALT/AZ=74.2 -21.1
fwAVG=3.06
sdW=18.0
fwW=3.18
sdS=24.2
fwS=3.05
0 0 0 0 0 0 0 0 0


sdN=196.7
fwN=2.67
sdE=42.9
fwE=2.78
20201022T004702.0001.fits
SecZ=1.02
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=10.8 12.0 13.8
ALT/AZ=78.2 -10.9
fwAVG=2.78
sdW=152.1
fwW=2.92
sdS=34.2
fwS=2.76
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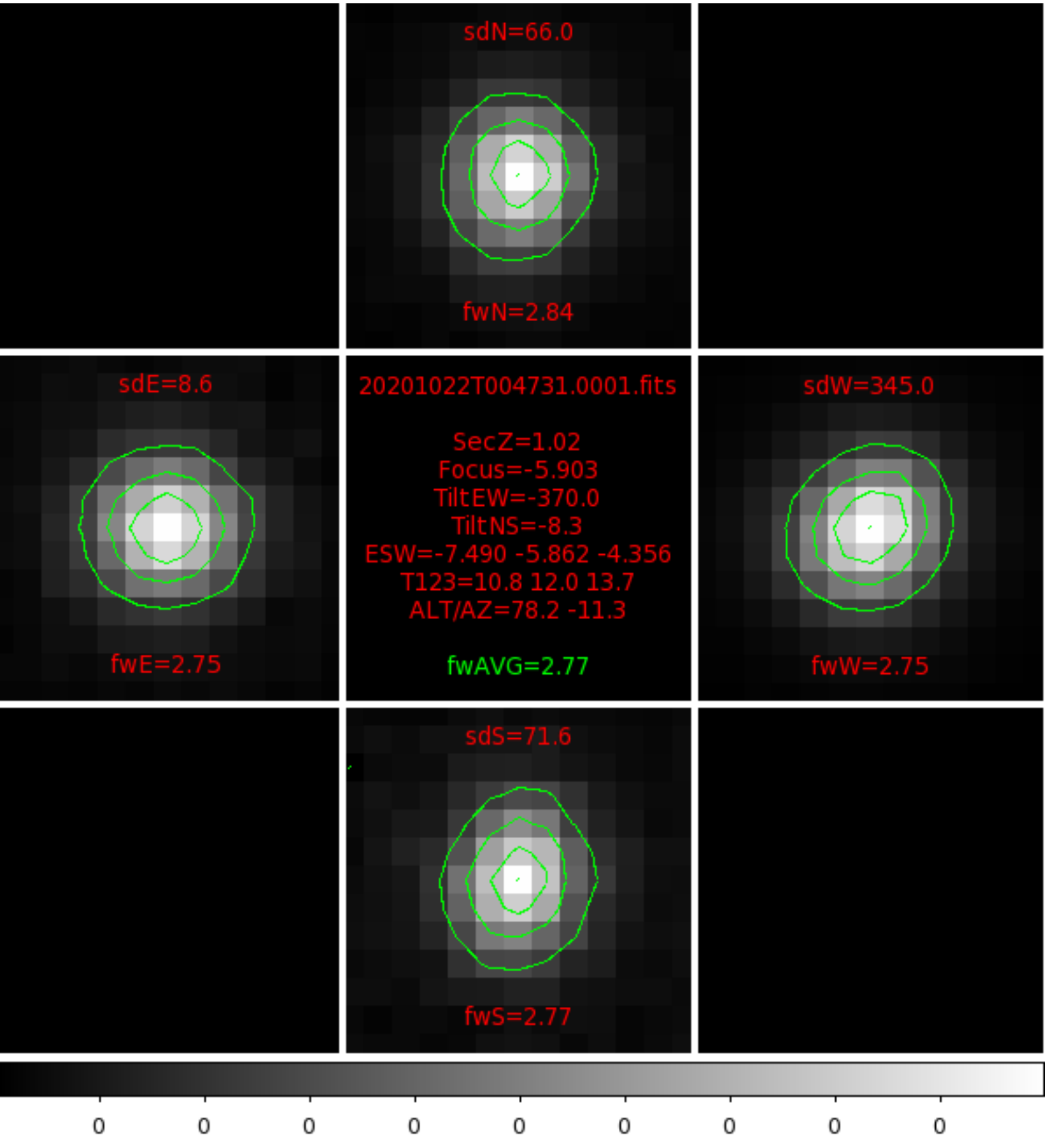
sdN=66.0
fwN=2.84
sdE=8.6
fwE=2.75
20201022T004731.0001.fits
SecZ=1.02
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=10.8 12.0 13.7
ALT/AZ=78.2 -11.3
fwAVG=2.77
sdW=345.0
fwW=2.75
sdS=71.6
fwS=2.77
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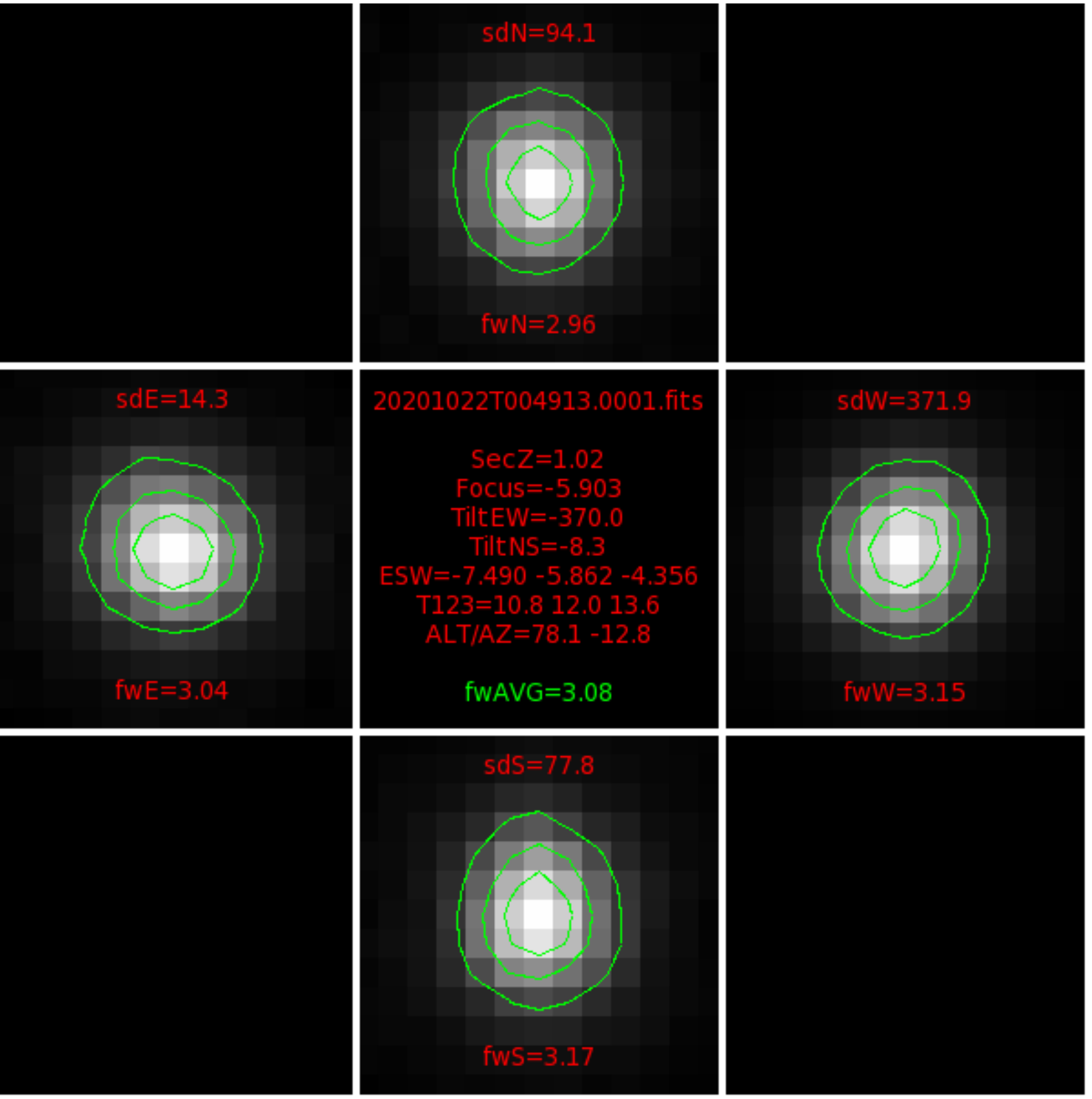
sdN=94.1
fwN=2.96
sdE=14.3
fwE=3.04
20201022T004913.0001.fits
SecZ=1.02
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=10.8 12.0 13.6
ALT/AZ=78.1 -12.8
fwAVG=3.08
sdW=371.9
fwW=3.15
sdS=77.8
fwS=3.17
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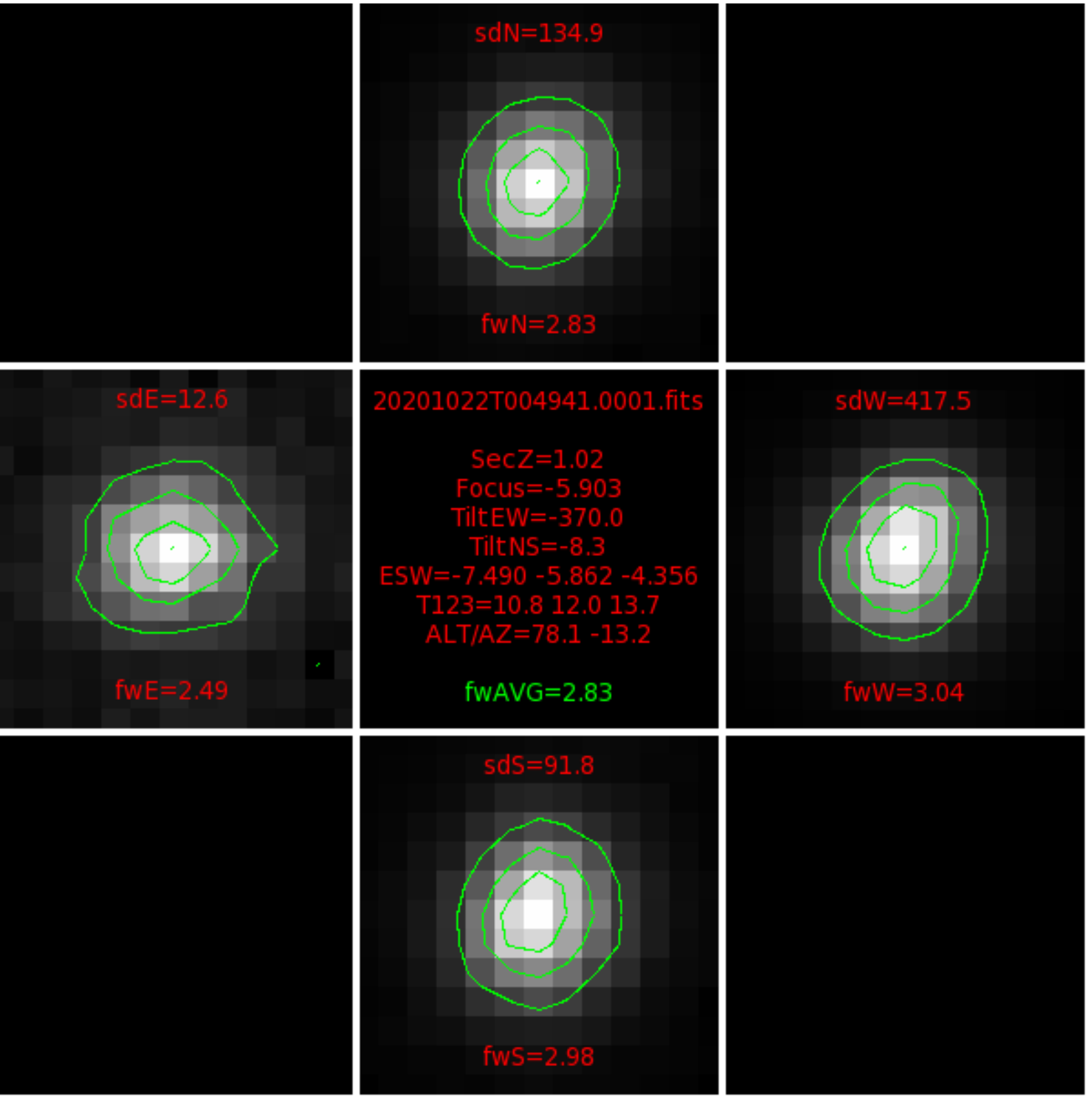
sdN=134.9
fwN=2.83
sdE=12.6
fwE=2.49
20201022T004941.0001.fits
SecZ=1.02
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=10.8 12.0 13.7
ALT/AZ=78.1 -13.2
fwAVG=2.83
sdW=417.5
fwW=3.04
sdS=91.8
fwS=2.98
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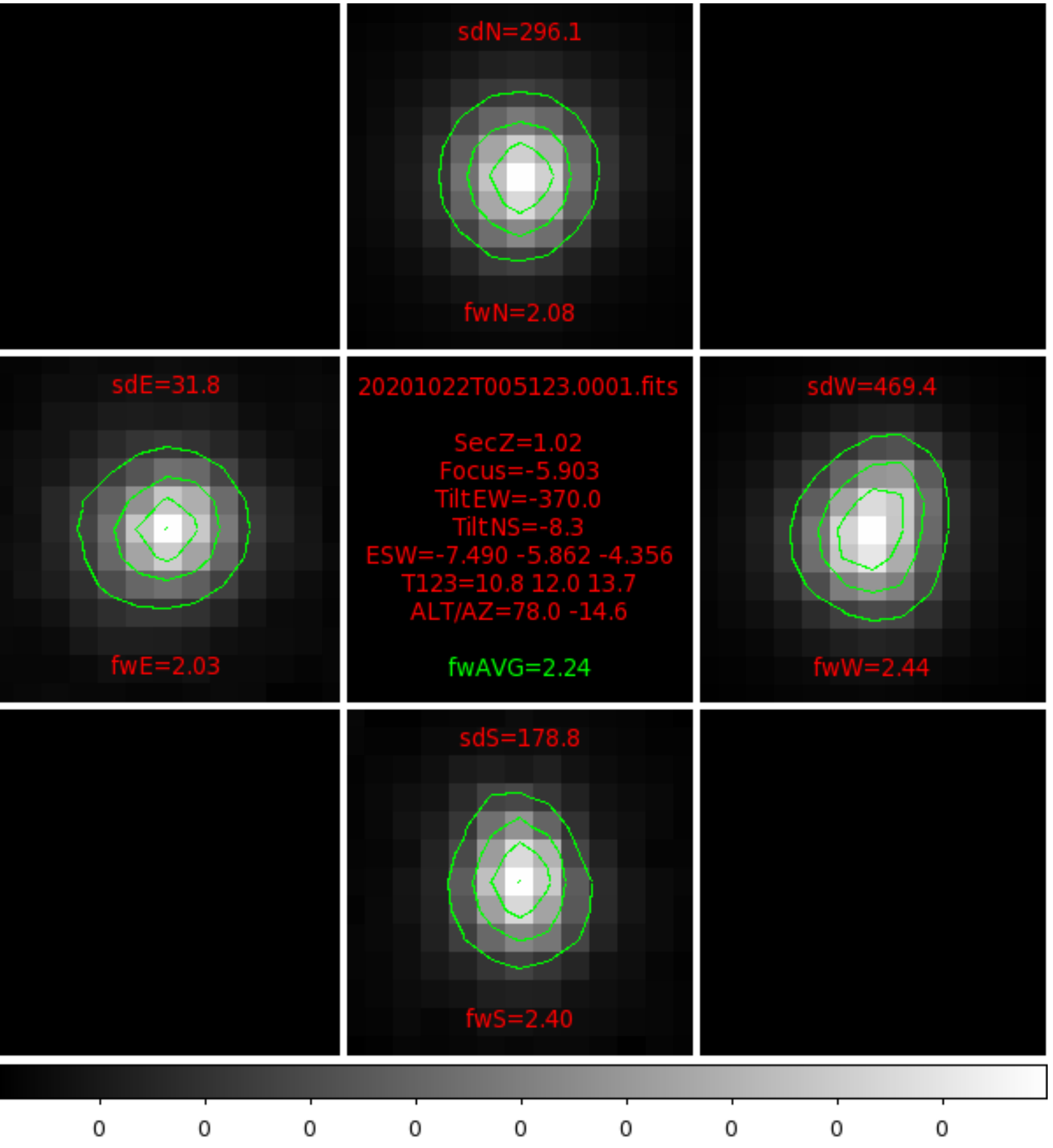
sdN=296.1
fwN=2.08
sdE=31.8
fwE=2.03
20201022T005123.0001.fits
SecZ=1.02
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=10.8 12.0 13.7
ALT/AZ=78.0 -14.6
fwAVG=2.24
sdW=469.4
fwW=2.44
sdS=178.8
fwS=2.40
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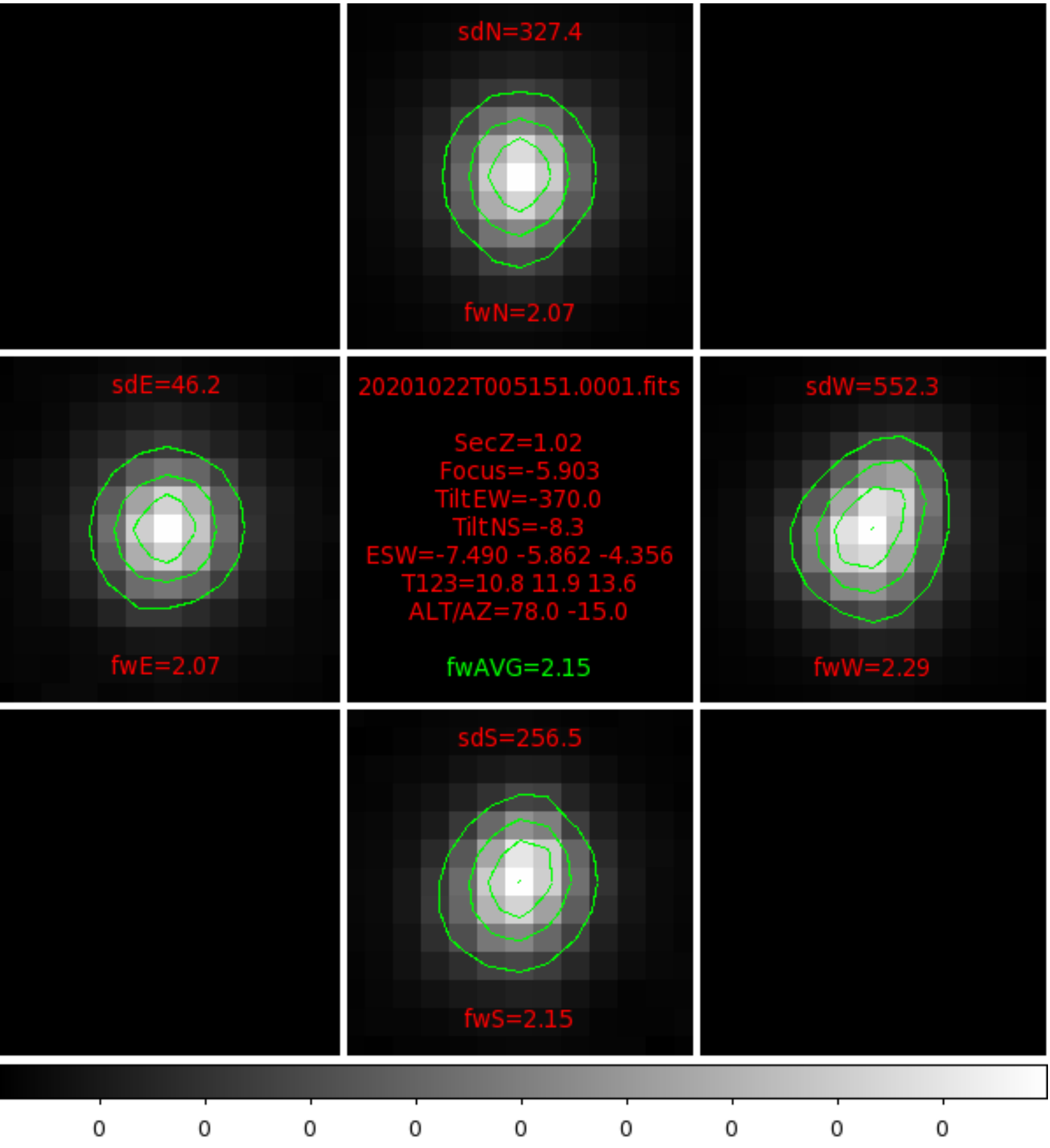
sdN=327.4
fwN=2.07
sdE=46.2
fwE=2.07
20201022T005151.0001.fits
SecZ=1.02
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=10.8 11.9 13.6
ALT/AZ=78.0 -15.0
fwAVG=2.15
sdW=552.3
fwW=2.29
sdS=256.5
fwS=2.15
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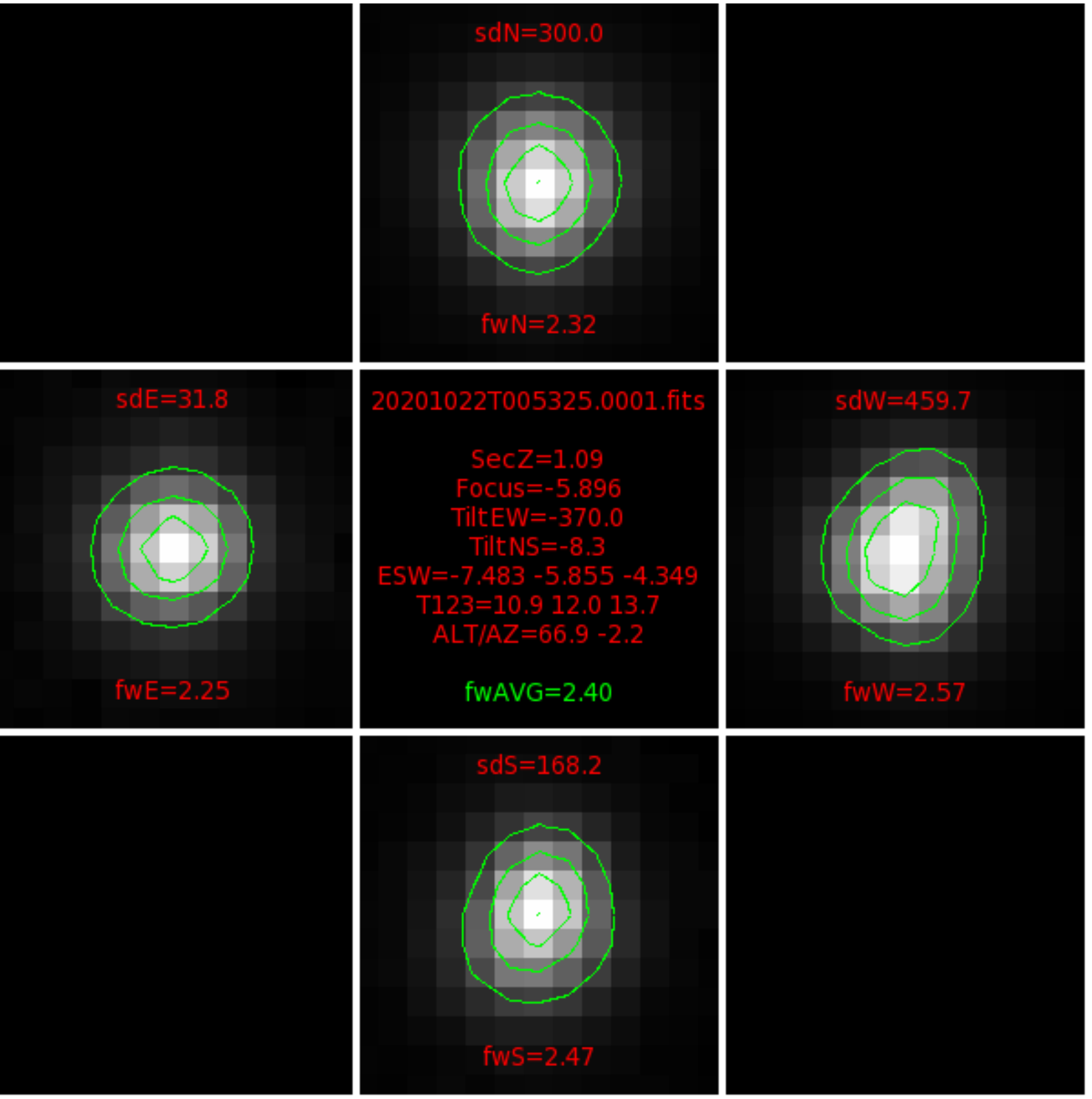
sdN=300.0
fwN=2.32
sdE=31.8
fwE=2.25
20201022T005325.0001.fits
SecZ=1.09
Focus=-5.896
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.483 -5.855 -4.349
T123=10.9 12.0 13.7
ALT/AZ=66.9 -2.2
fwAVG=2.40
sdW=459.7
fwW=2.57
sdS=168.2
fwS=2.47
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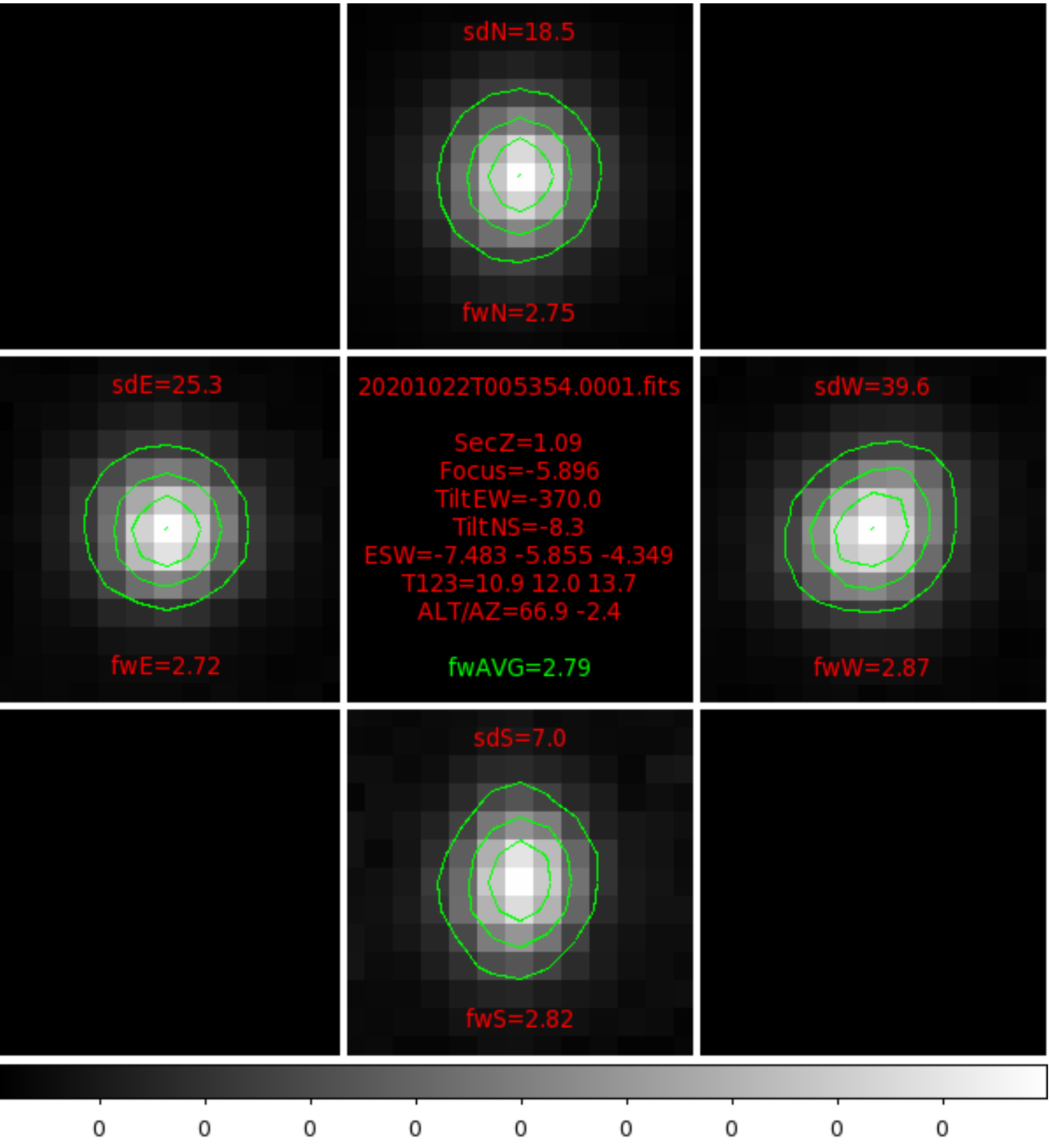
sdN=18.5
fwN=2.75
sdE=25.3
fwE=2.72
20201022T005354.0001.fits
SecZ=1.09
Focus=-5.896
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.483 -5.855 -4.349
T123=10.9 12.0 13.7
ALT/AZ=66.9 -2.4
fwAVG=2.79
sdW=39.6
fwW=2.87
sdS=7.0
fwS=2.82
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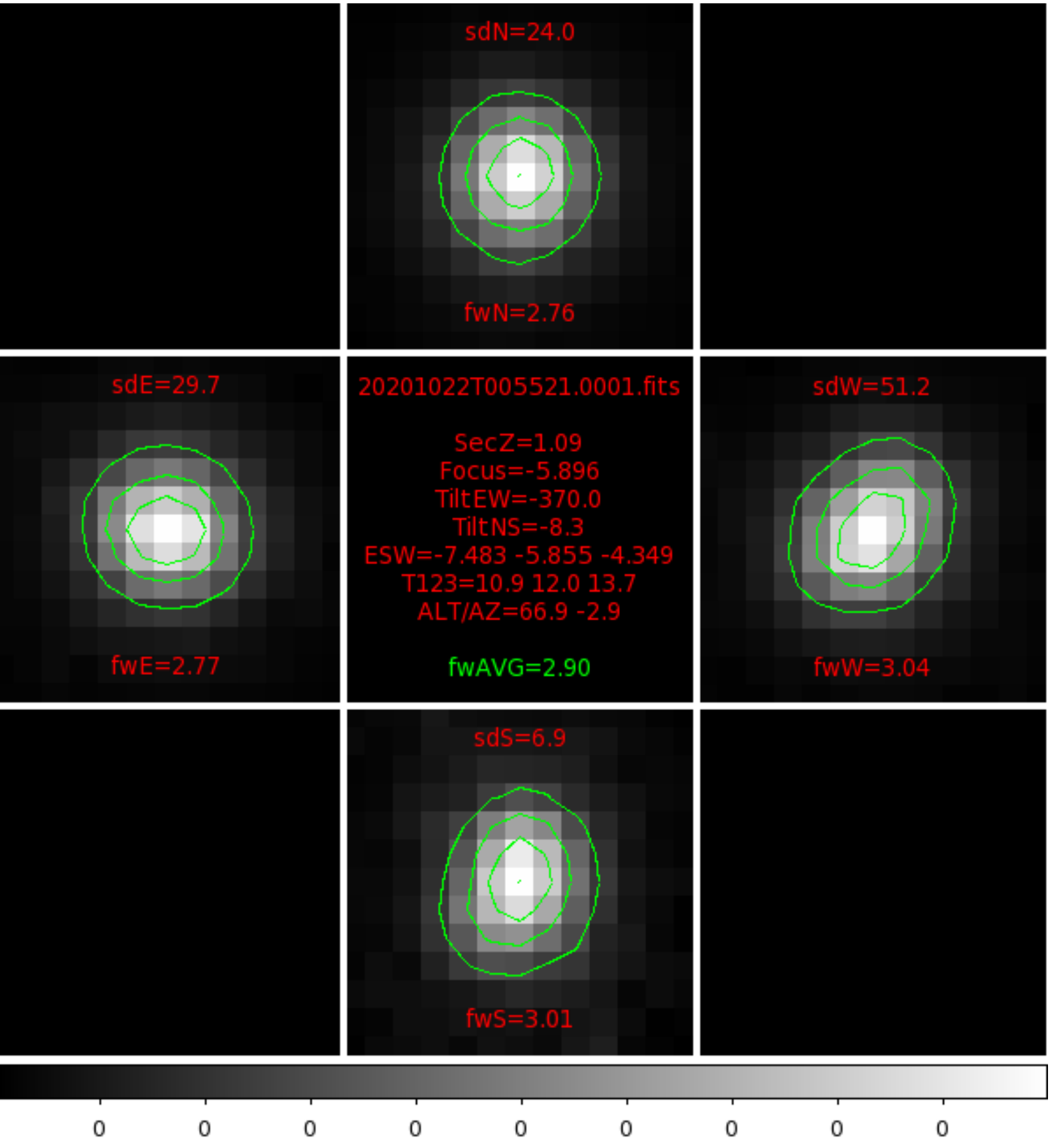
sdN=24.0
fwN=2.76
sdE=29.7
fwE=2.77
20201022T005521.0001.fits
SecZ=1.09
Focus=-5.896
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.483 -5.855 -4.349
T123=10.9 12.0 13.7
ALT/AZ=66.9 -2.9
fwAVG=2.90
sdW=51.2
fwW=3.04
sdS=6.9
fwS=3.01
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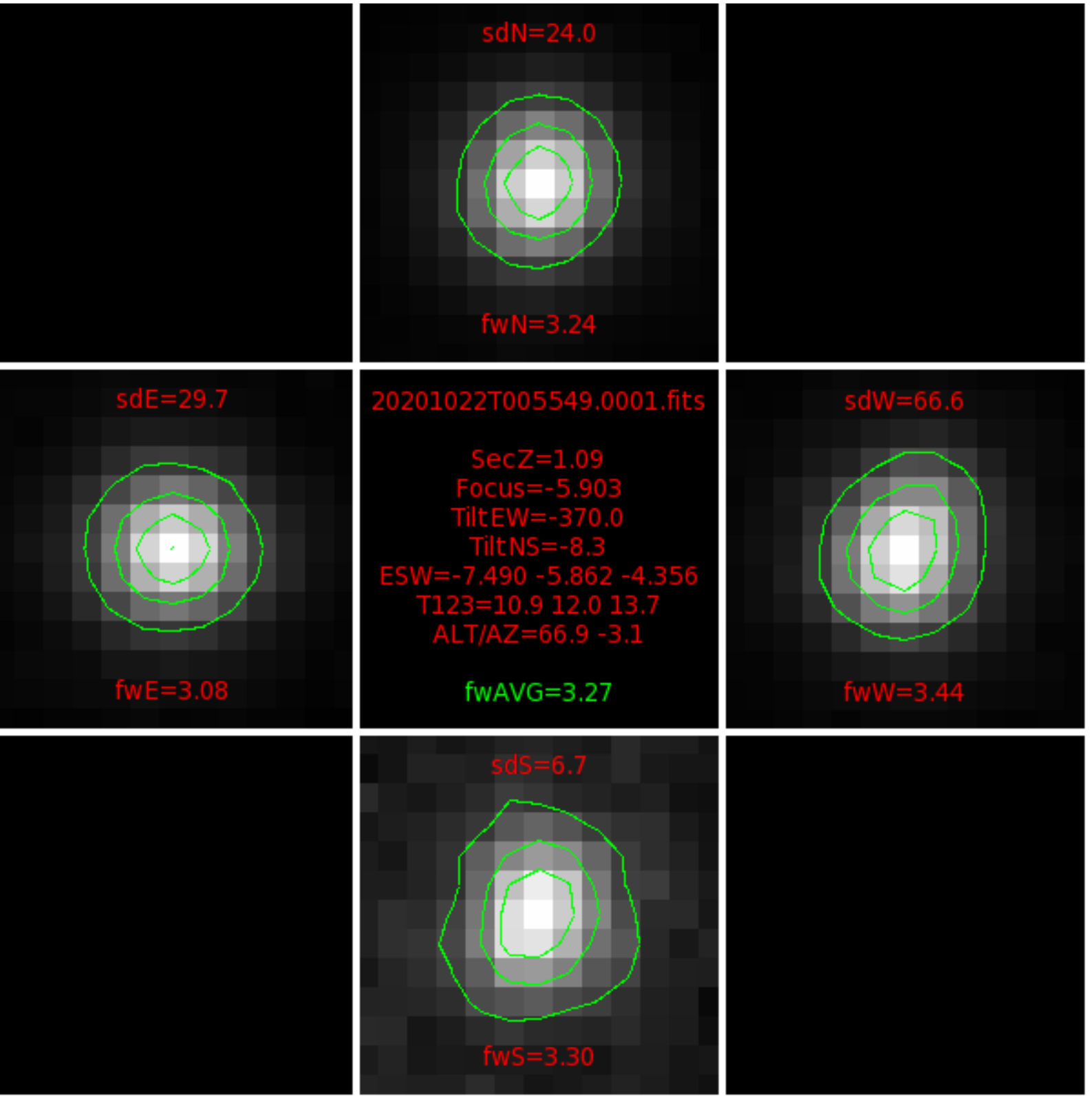
sdN=24.0
fwN=3.24
sdE=29.7
fwE=3.08
20201022T005549.0001.fits
SecZ=1.09
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=10.9 12.0 13.7
ALT/AZ=66.9 -3.1
fwAVG=3.27
sdW=66.6
fwW=3.44
sdS=6.7
fwS=3.30
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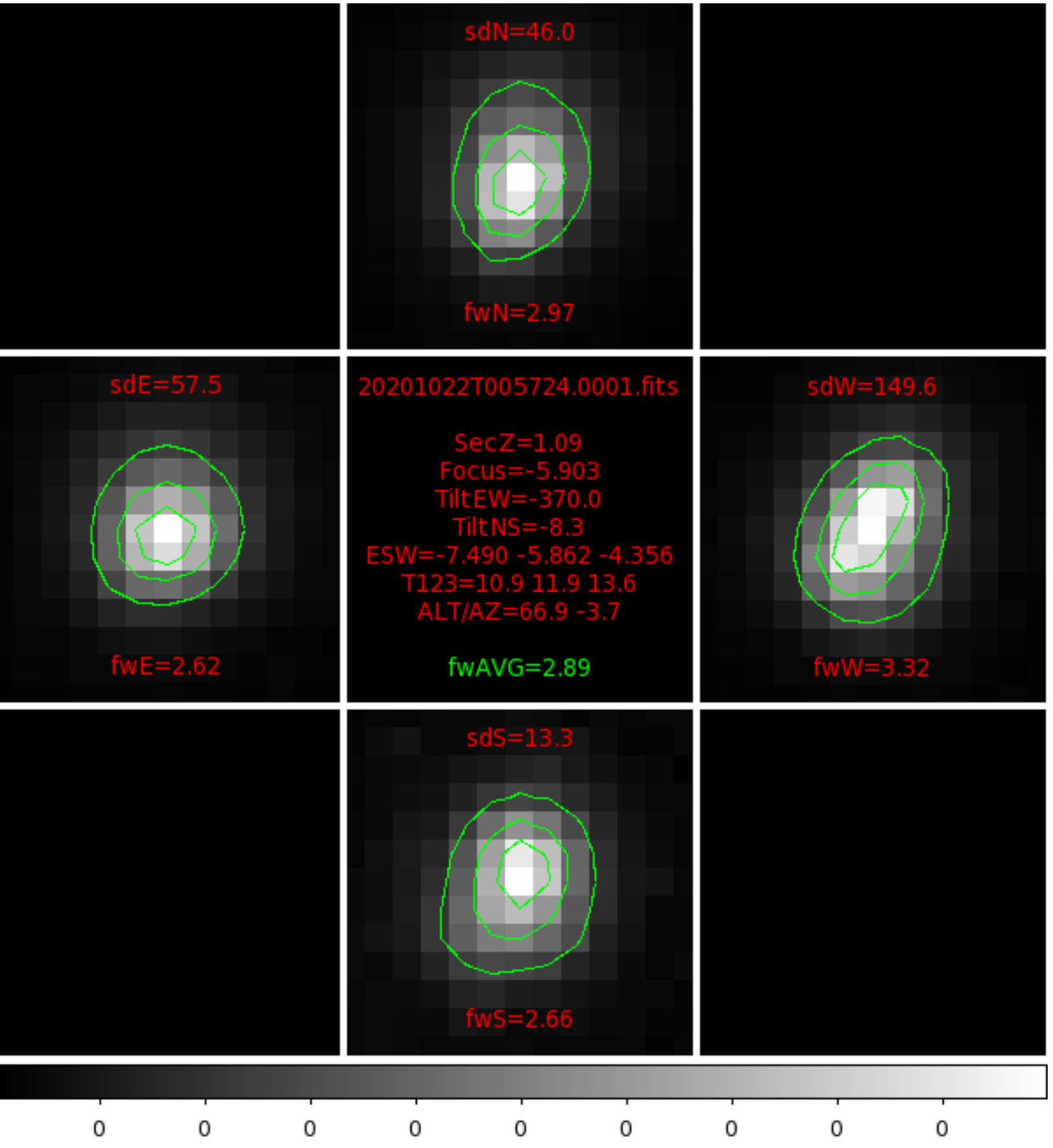
sdN=46.0
fwN=2.97
sdE=57.5
fwE=2.62
20201022T005724.0001.fits
SecZ=1.09
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=10.9 11.9 13.6
ALT/AZ=66.9 -3.7
fwAVG=2.89
sdW=149.6
fwW=3.32
sdS=13.3
fwS=2.66
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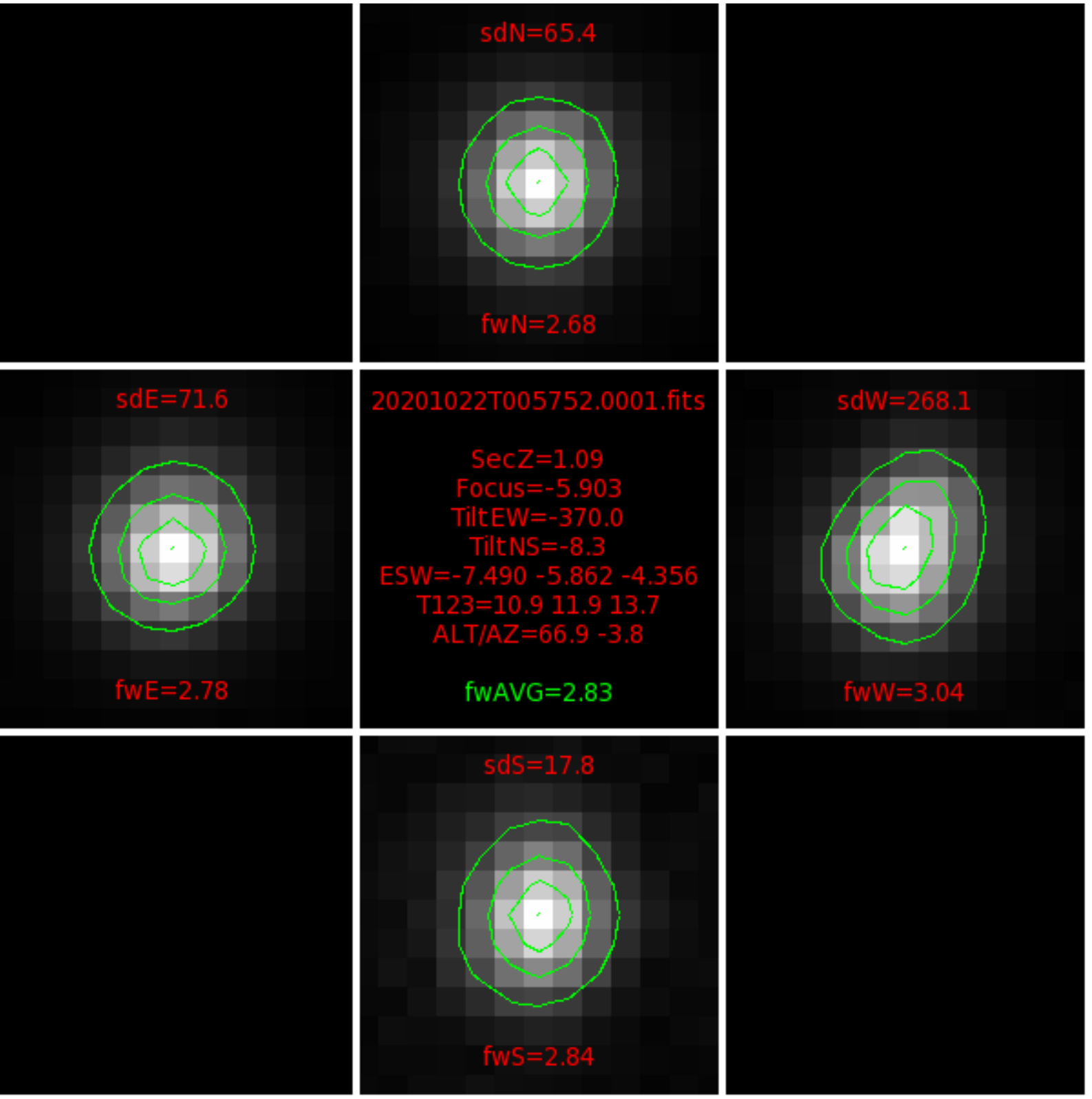
sdN=65.4
fwN=2.68
sdE=71.6
fwE=2.78
20201022T005752.0001.fits
SecZ=1.09
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=10.9 11.9 13.7
ALT/AZ=66.9 -3.8
fwAVG=2.83
sdW=268.1
fwW=3.04
sdS=17.8
fwS=2.84
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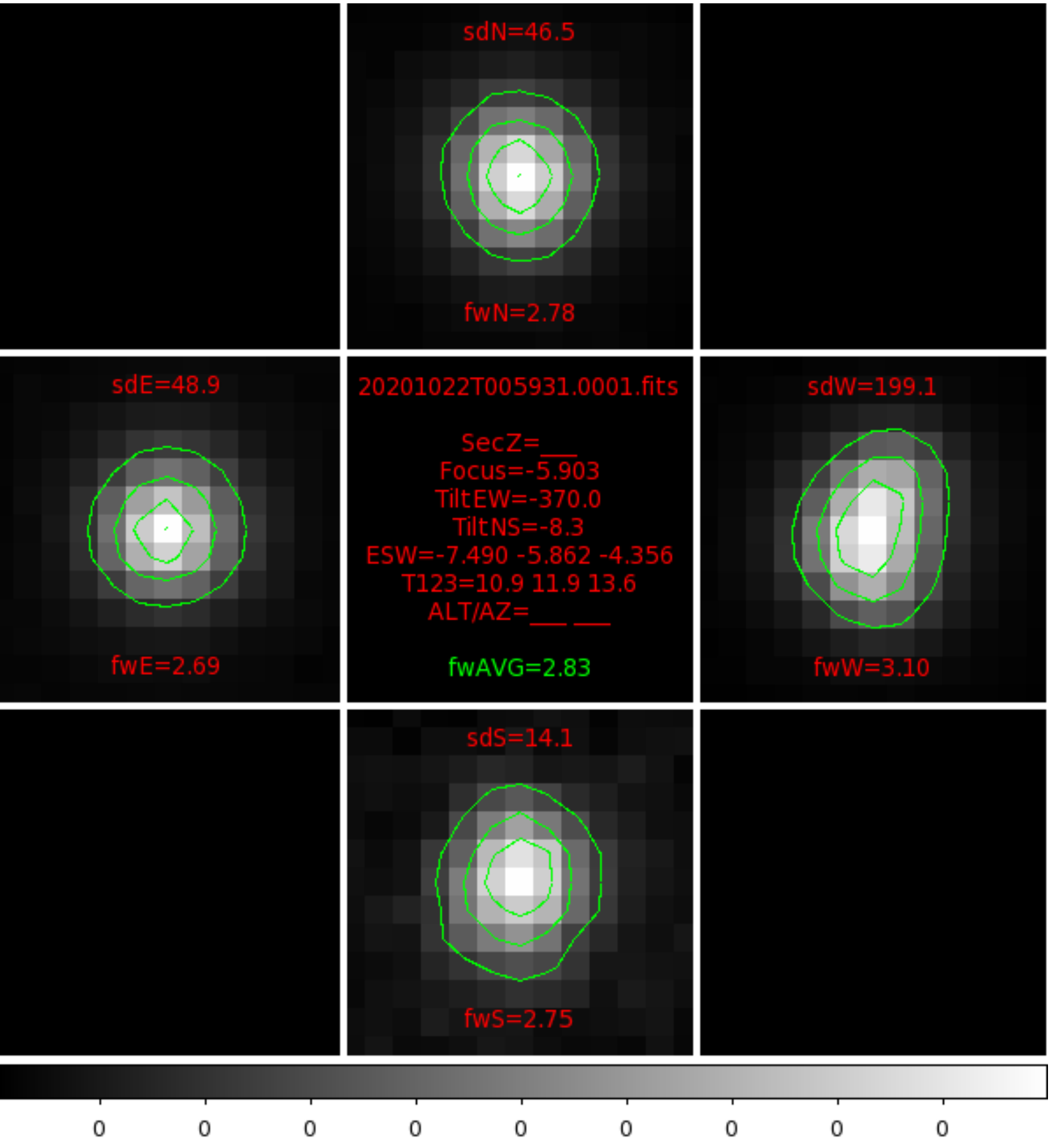
sdN=46.5
fwN=2.78
sdE=48.9
fwE=2.69
20201022T005931.0001.fits
SecZ=___
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=10.9 11.9 13.6
ALT/AZ=___ ___
fwAVG=2.83
sdW=199.1
fwW=3.10
sdS=14.1
fwS=2.75
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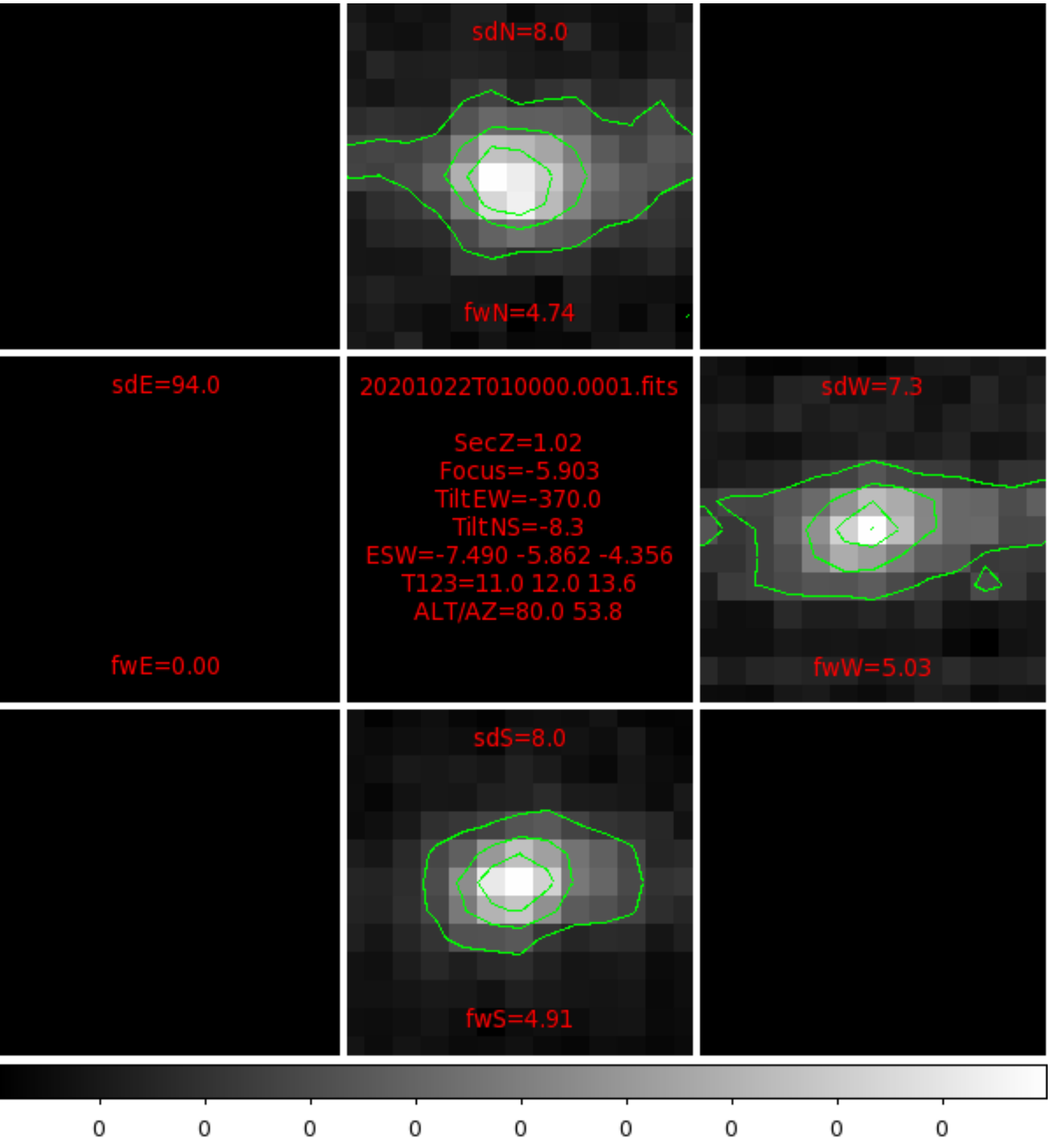
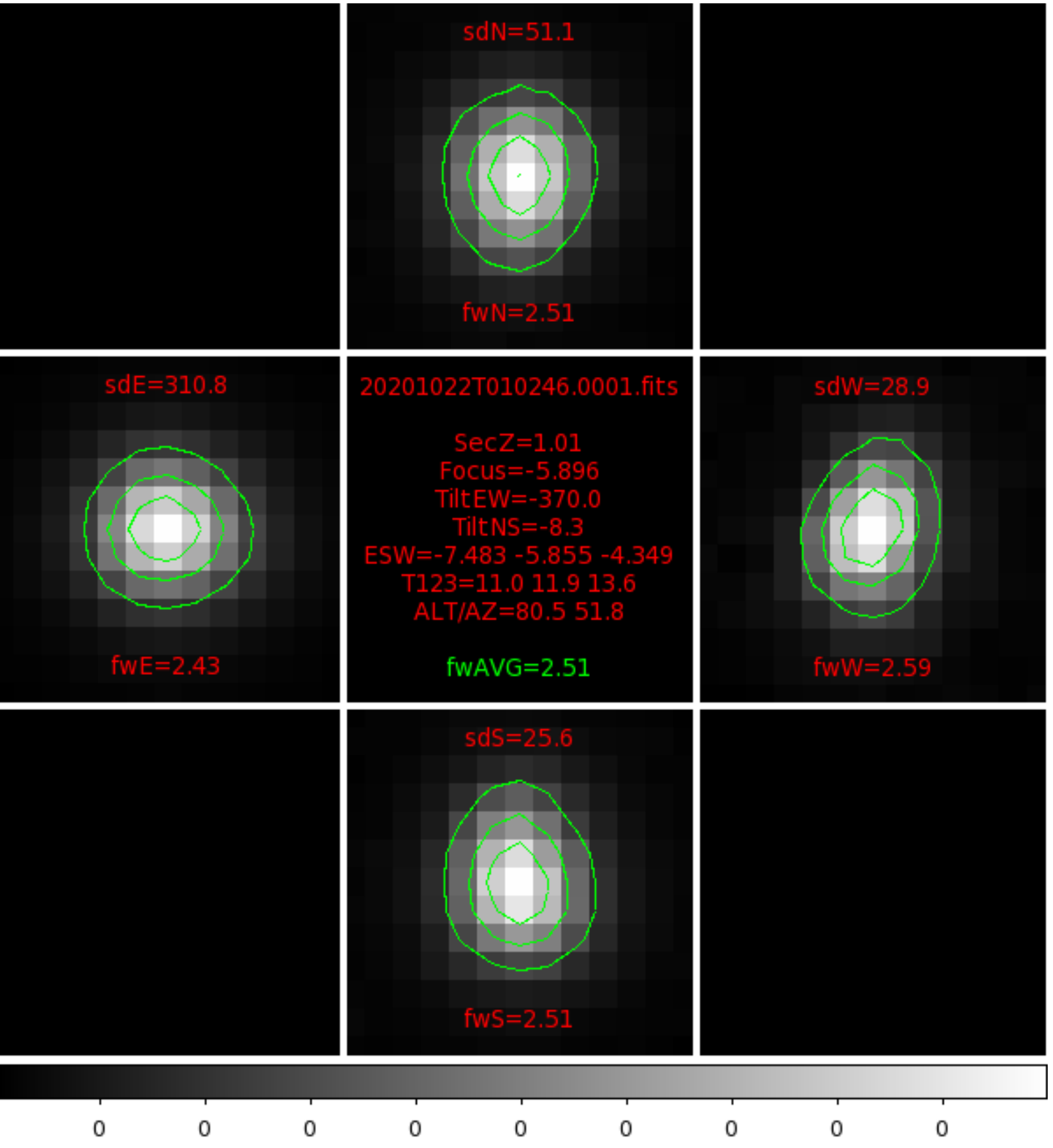
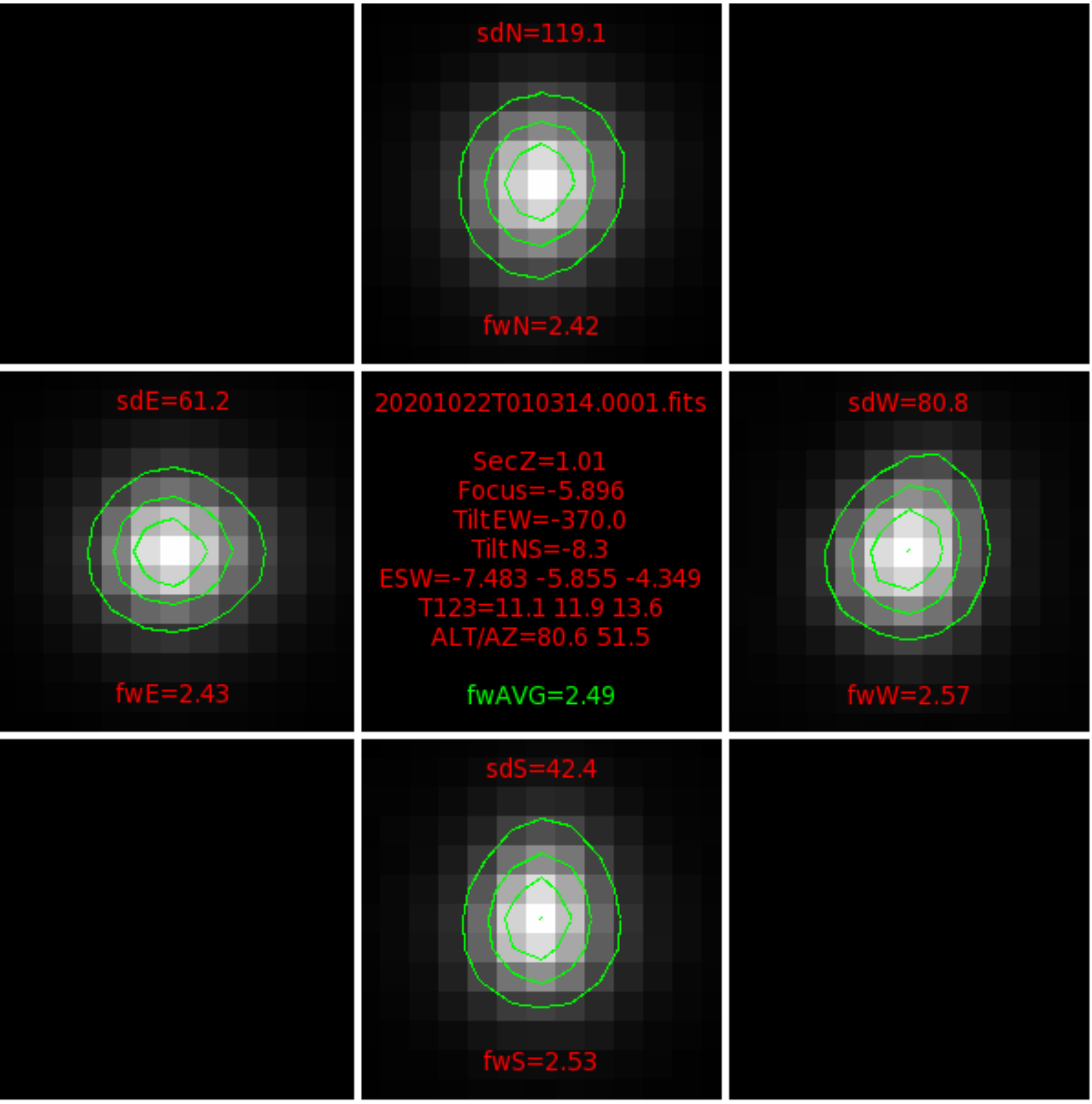

sdN=8.0
fwN=4.74
sdE=94.0
fwE=0.00
20201022T010000.0001.fits
SecZ=1.02
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=11.0 12.0 13.6
ALT/AZ=80.0 53.8
sdW=7.3
fwW=5.03
sdS=8.0
fwS=4.91
0 0 0 0 0 0 0 0 0


sdN=51.1
fwN=2.51
sdE=310.8
fwE=2.43
20201022T010246.0001.fits
SecZ=1.01
Focus=-5.896
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.483 -5.855 -4.349
T123=11.0 11.9 13.6
ALT/AZ=80.5 51.8
fwAVG=2.51
sdW=28.9
fwW=2.59
sdS=25.6
fwS=2.51
0 0 0 0 0 0 0 0 0


sdN=119.1
fwN=2.42
sdE=61.2
fwE=2.43
20201022T010314.0001.fits
SecZ=1.01
Focus=-5.896
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.483 -5.855 -4.349
T123=11.1 11.9 13.6
ALT/AZ=80.6 51.5
fwAVG=2.49
sdW=80.8
fwW=2.57
sdS=42.4
fwS=2.53
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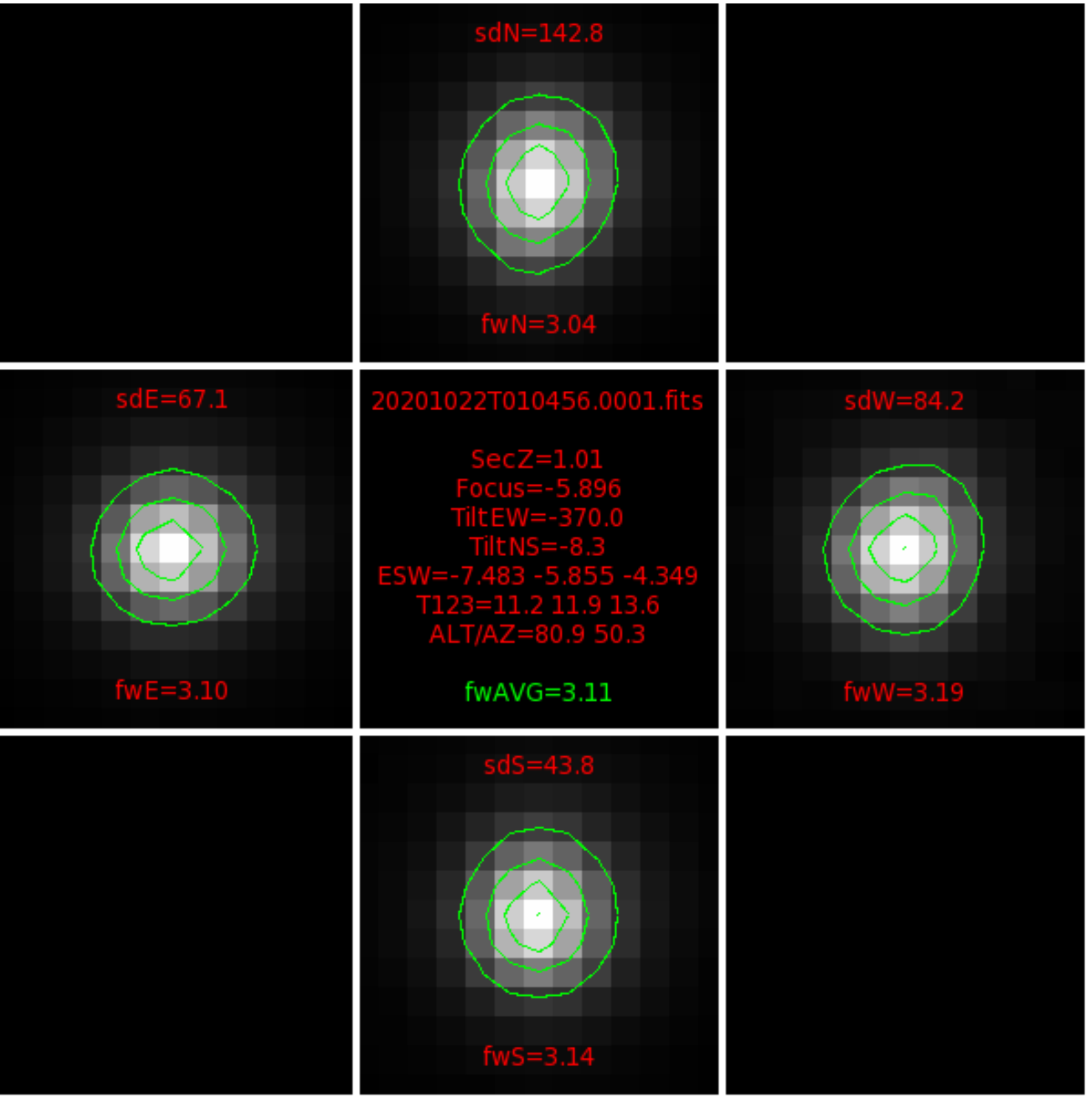
sdN=142.8
fwN=3.04
sdE=67.1
fwE=3.10
20201022T010456.0001.fits
SecZ=1.01
Focus=-5.896
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.483 -5.855 -4.349
T123=11.2 11.9 13.6
ALT/AZ=80.9 50.3
fwAVG=3.11
sdW=84.2
fwW=3.19
sdS=43.8
fwS=3.14
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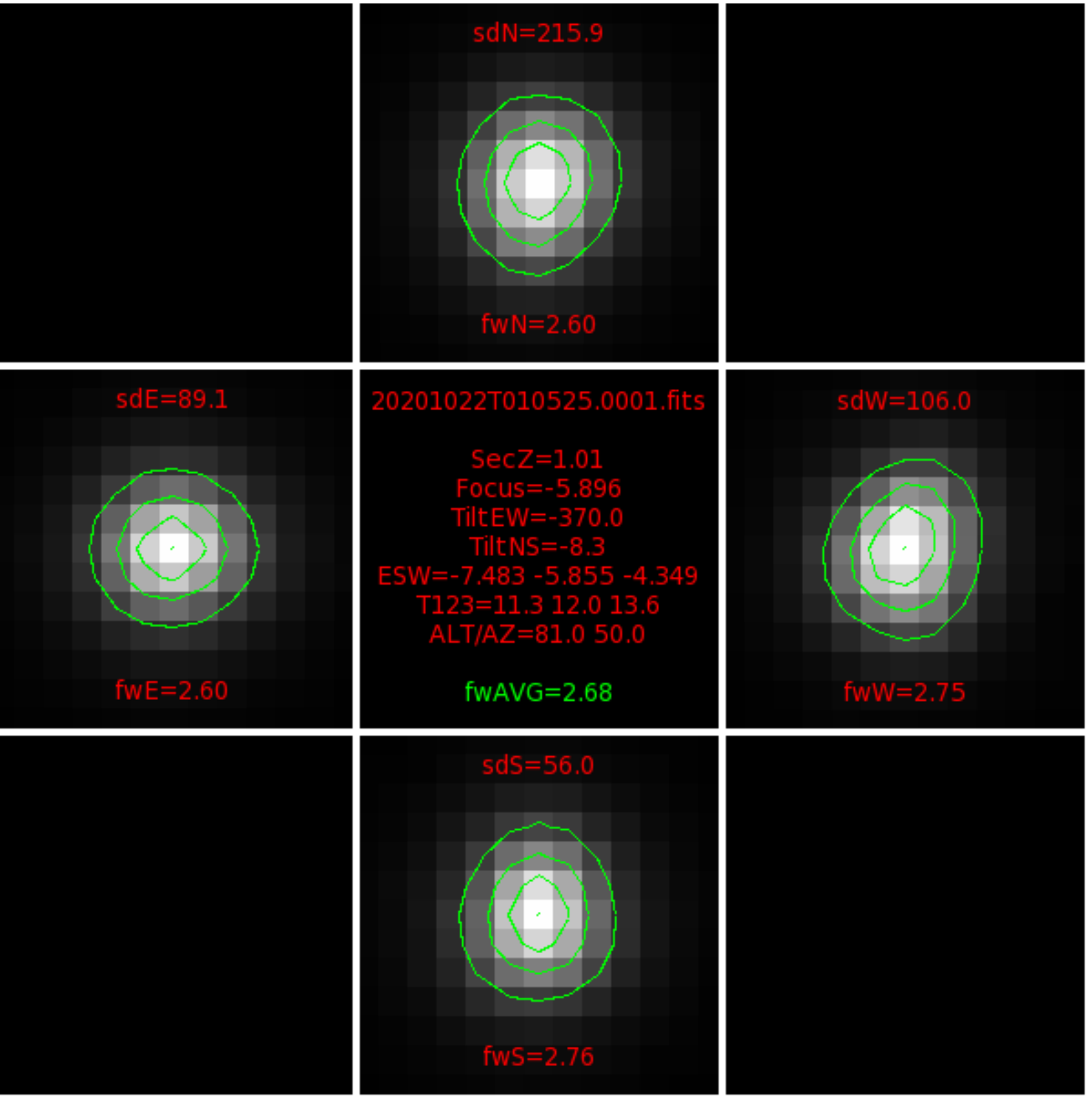
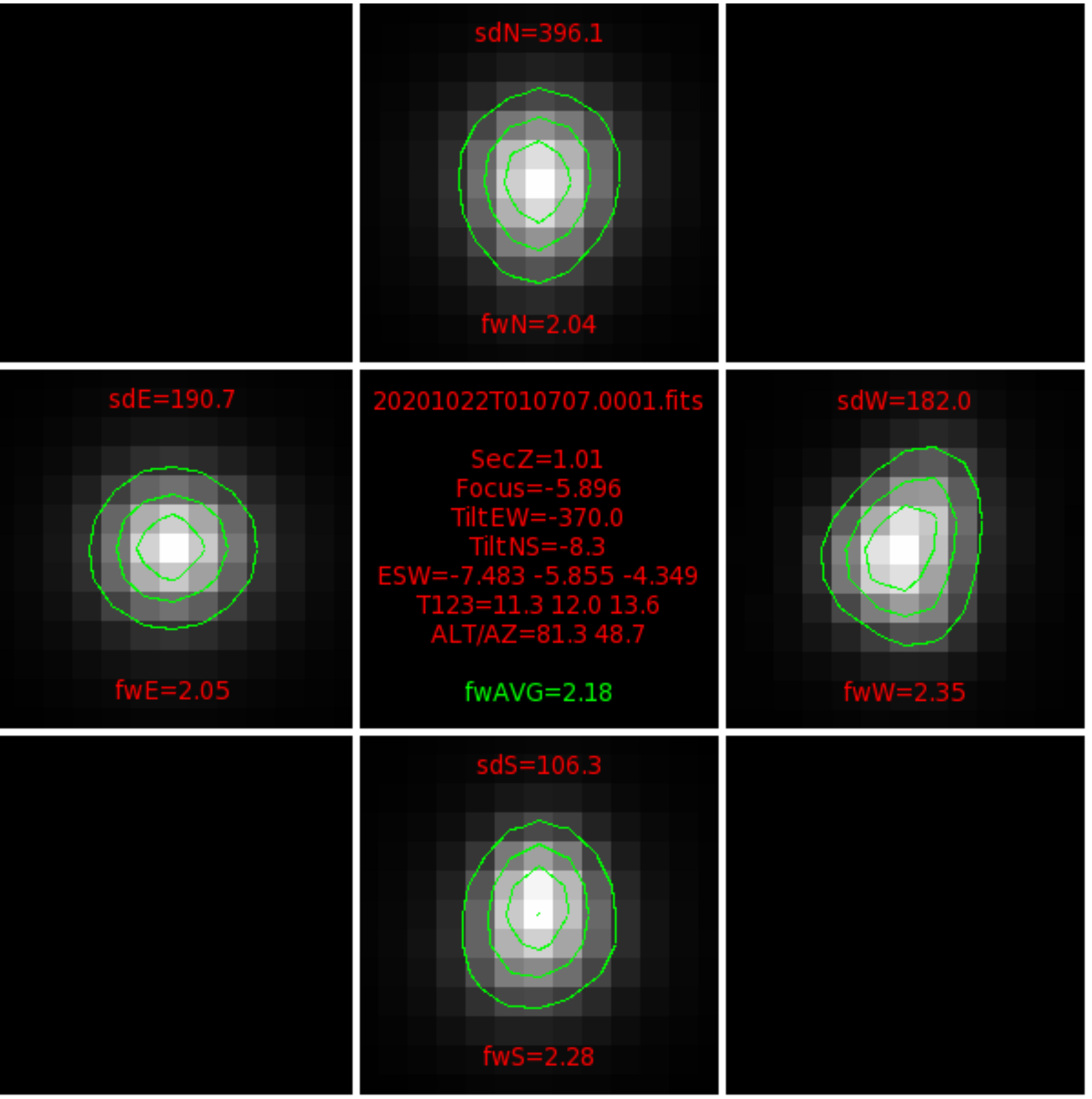

sdN=215.9
fwN=2.60
sdE=89.1
fwE=2.60
20201022T010525.0001.fits
SecZ=1.01
Focus=-5.896
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.483 -5.855 -4.349
T123=11.3 12.0 13.6
ALT/AZ=81.0 50.0
fwAVG=2.68
sdW=106.0
fwW=2.75
sdS=56.0
fwS=2.76
0 0 0 0 0 0 0 0 0


sdN=396.1
fwN=2.04
sdE=190.7
fwE=2.05
20201022T010707.0001.fits
SecZ=1.01
Focus=-5.896
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.483 -5.855 -4.349
T123=11.3 12.0 13.6
ALT/AZ=81.3 48.7
fwAVG=2.18
sdW=182.0
fwW=2.35
sdS=106.3
fwS=2.28
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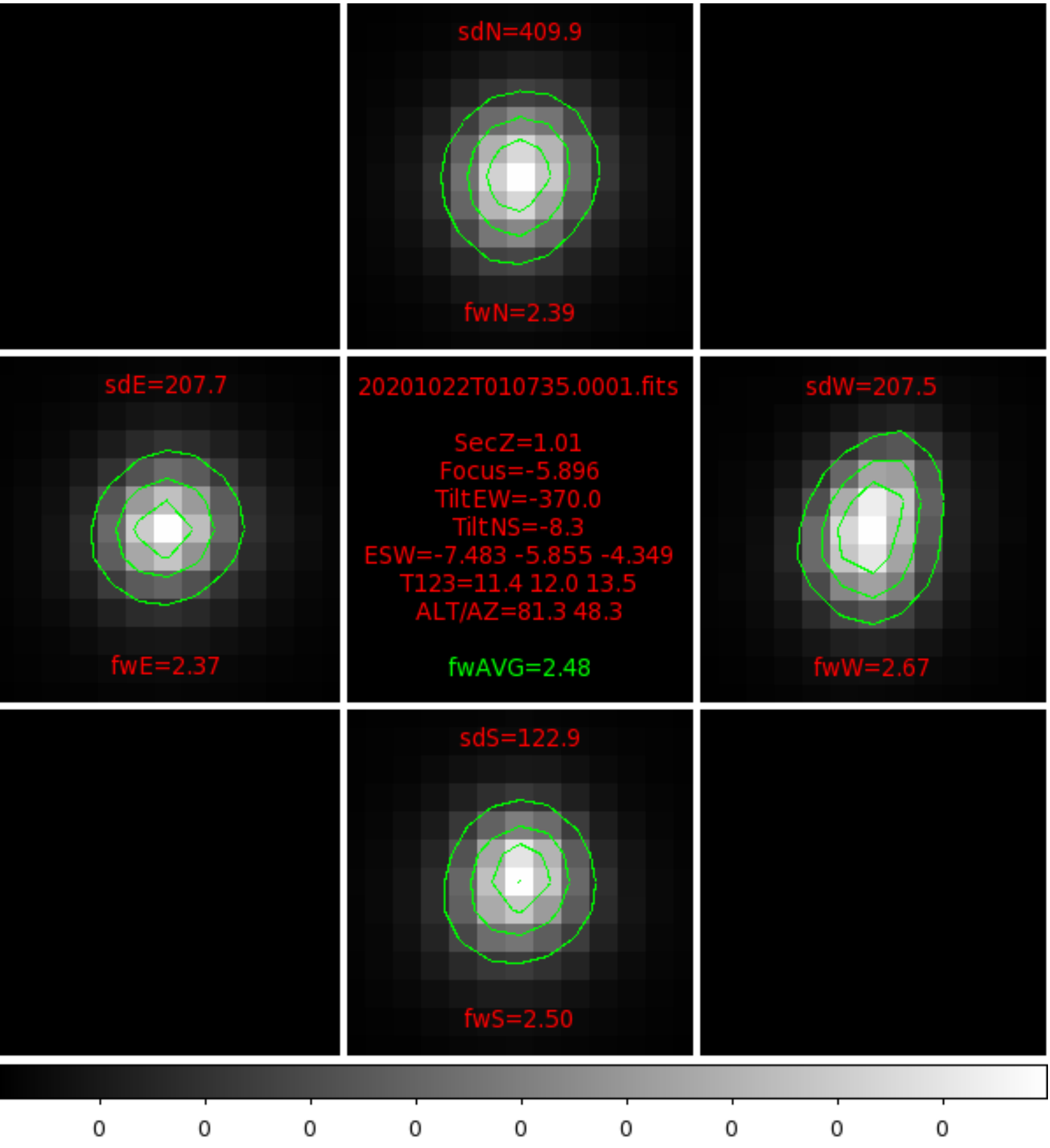
sdN=409.9
fwN=2.39
sdE=207.7
fwE=2.37
20201022T010735.0001.fits
SecZ=1.01
Focus=-5.896
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.483 -5.855 -4.349
T123=11.4 12.0 13.5
ALT/AZ=81.3 48.3
fwAVG=2.48
sdW=207.5
fwW=2.67
sdS=122.9
fwS=2.50
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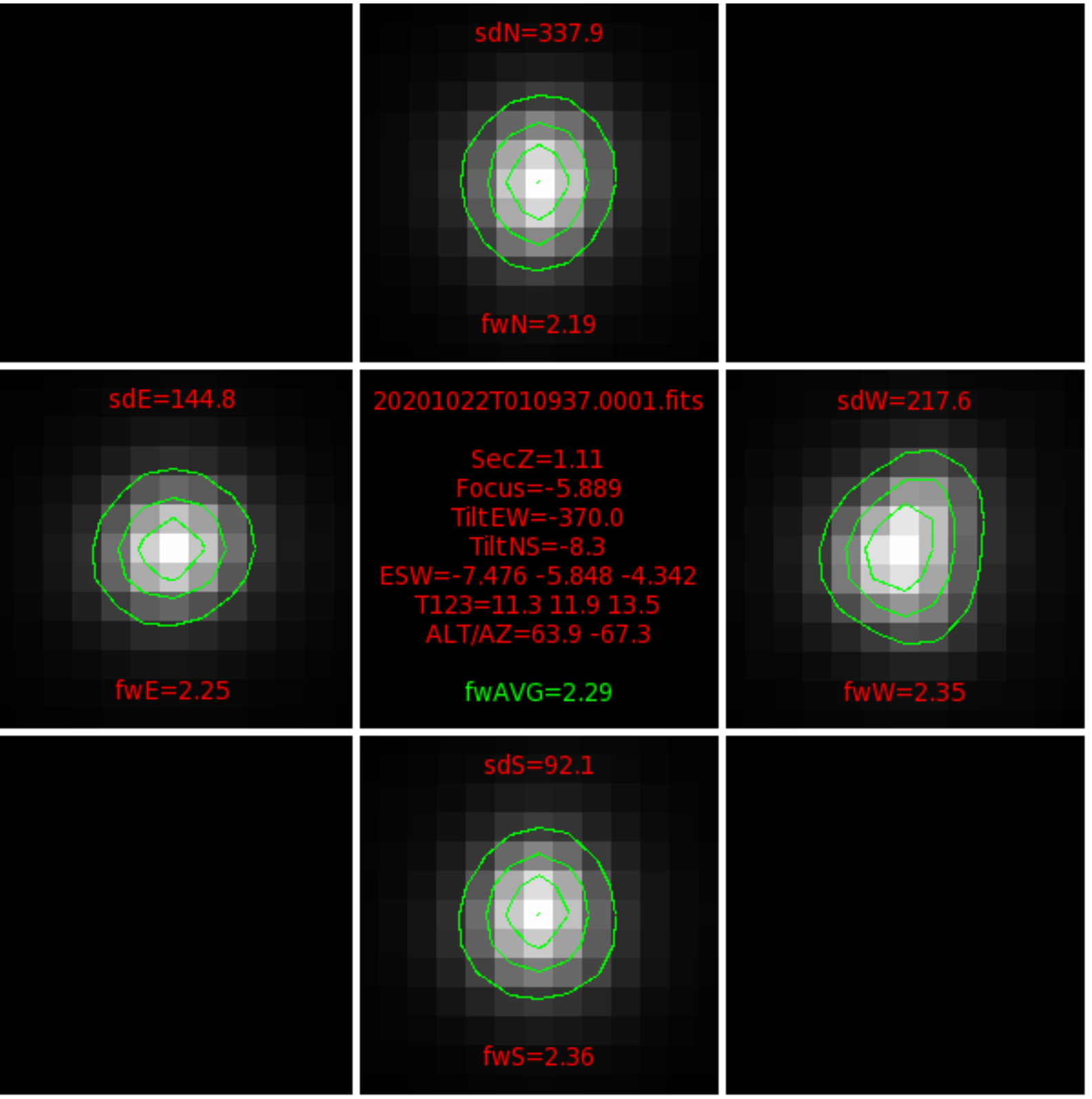
sdN=337.9
fwN=2.19
sdE=144.8
fwE=2.25
20201022T010937.0001.fits
SecZ=1.11
Focus=-5.889
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.476 -5.848 -4.342
T123=11.3 11.9 13.5
ALT/AZ=63.9 -67.3
fwAVG=2.29
sdW=217.6
fwW=2.35
sdS=92.1
fwS=2.36
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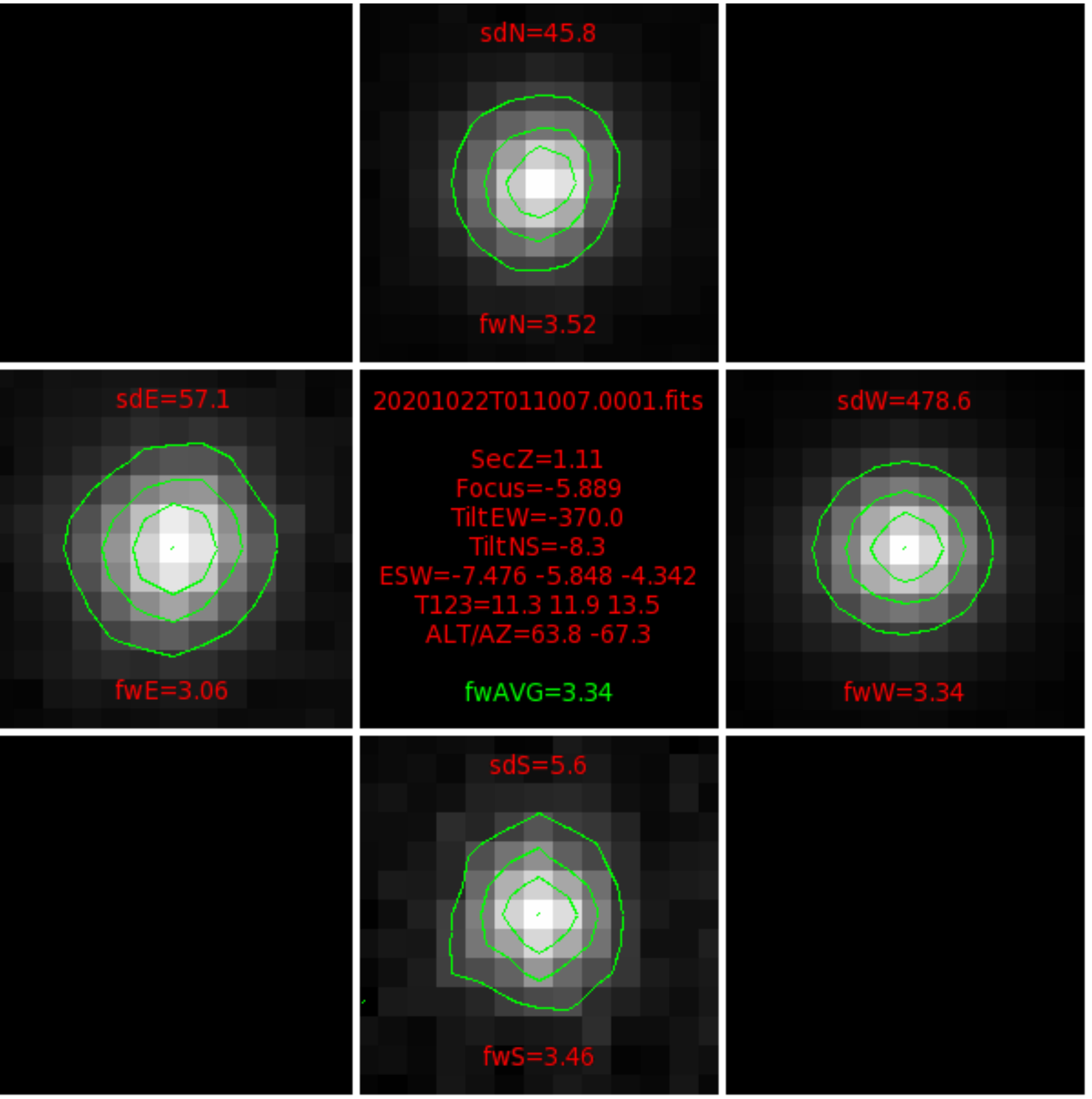
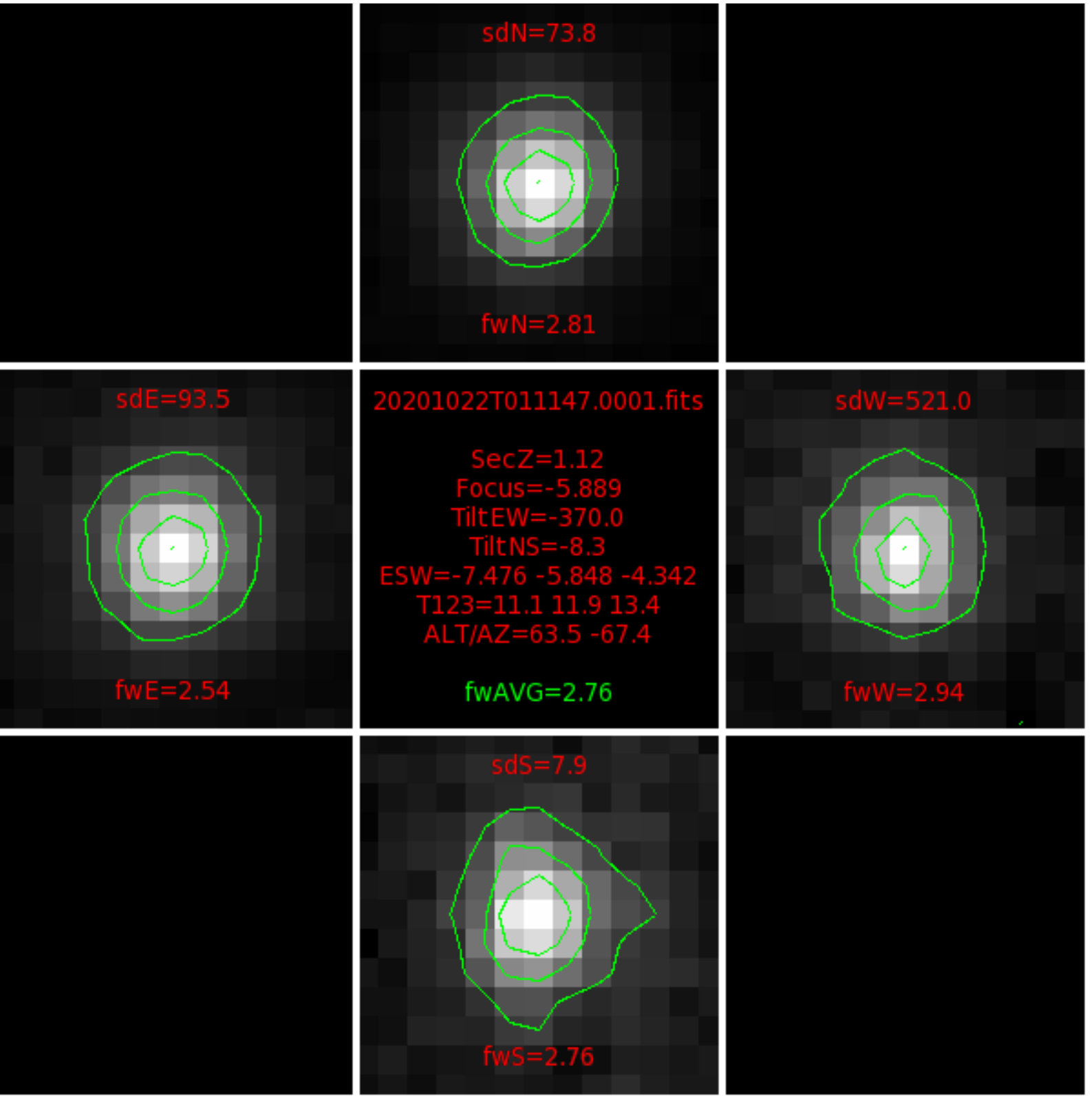

sdN=45.8
fwN=3.52
sdE=57.1
fwE=3.06
20201022T011007.0001.fits
SecZ=1.11
Focus=-5.889
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.476 -5.848 -4.342
T123=11.3 11.9 13.5
ALT/AZ=63.8 -67.3
fwAVG=3.34
sdW=478.6
fwW=3.34
sdS=5.6
fwS=3.46
0 0 0 0 0 0 0 0 0


sdN=73.8
fwN=2.81
sdE=93.5
fwE=2.54
20201022T011147.0001.fits
SecZ=1.12
Focus=-5.889
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.476 -5.848 -4.342
T123=11.1 11.9 13.4
ALT/AZ=63.5 -67.4
fwAVG=2.76
sdW=521.0
fwW=2.94
sdS=7.9
fwS=2.76
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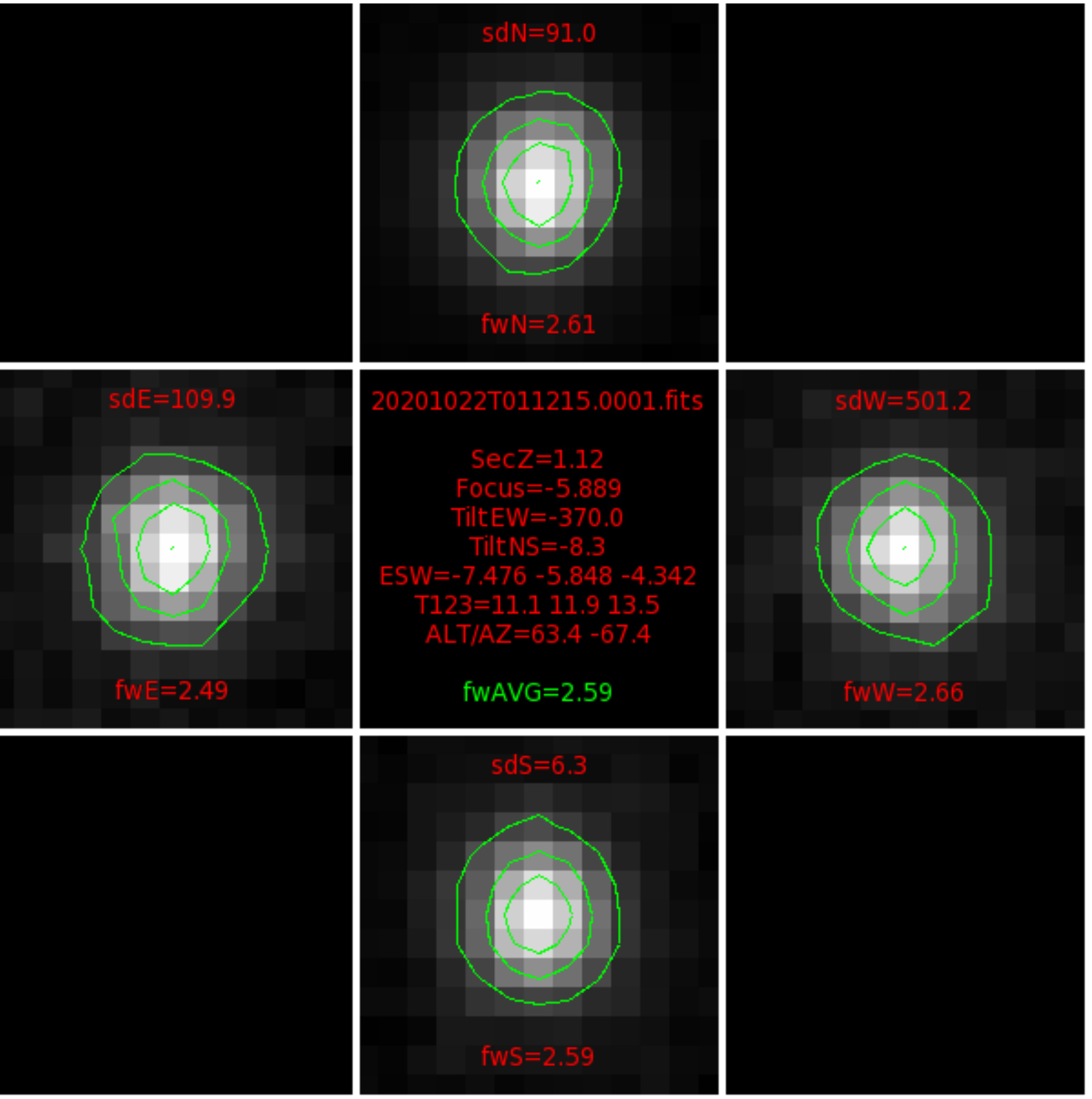
sdN=91.0
fwN=2.61
sdE=109.9
fwE=2.49
20201022T011215.0001.fits
SecZ=1.12
Focus=-5.889
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.476 -5.848 -4.342
T123=11.1 11.9 13.5
ALT/AZ=63.4 -67.4
fwAVG=2.59
sdW=501.2
fwW=2.66
sdS=6.3
fwS=2.59
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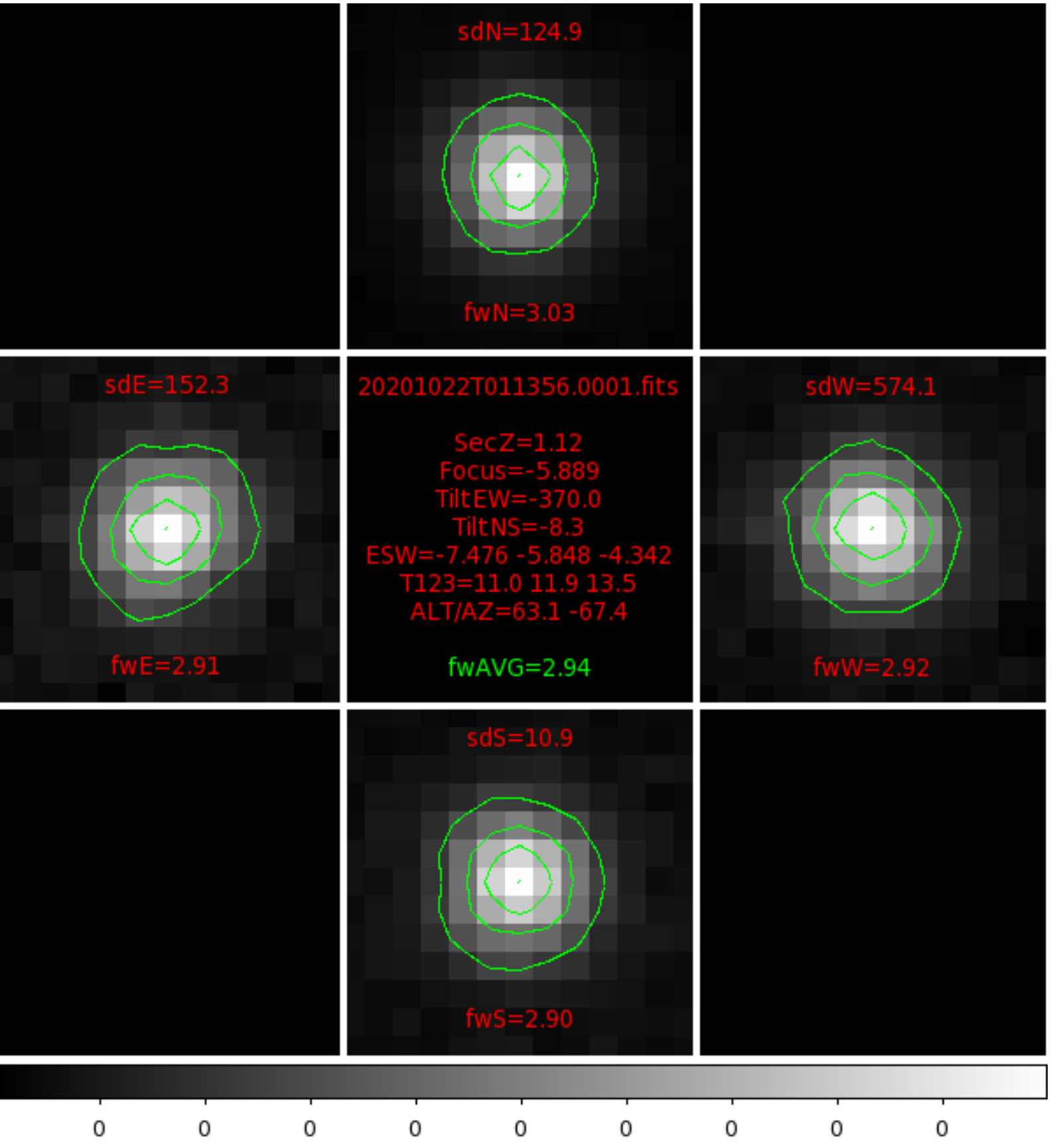
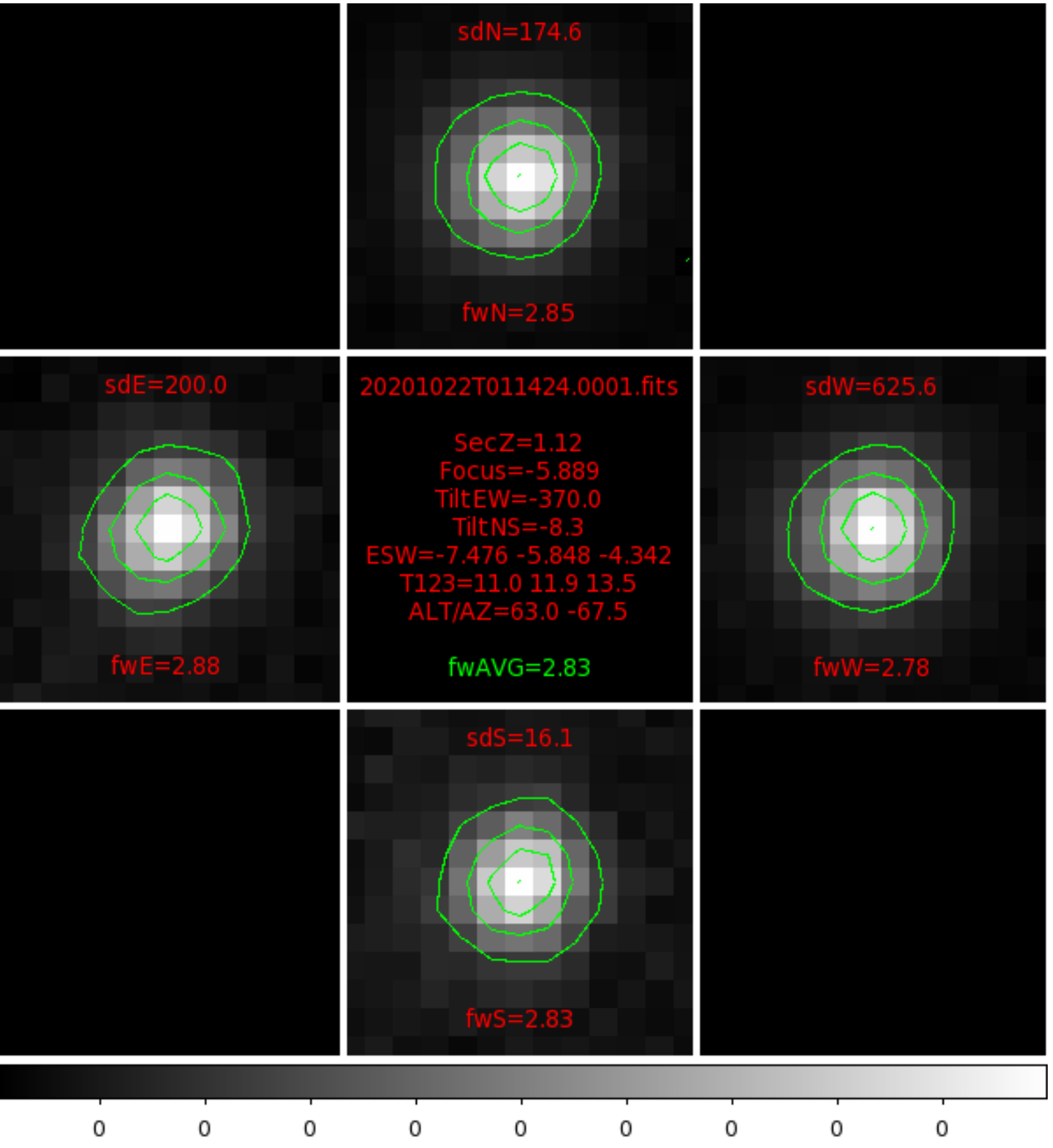
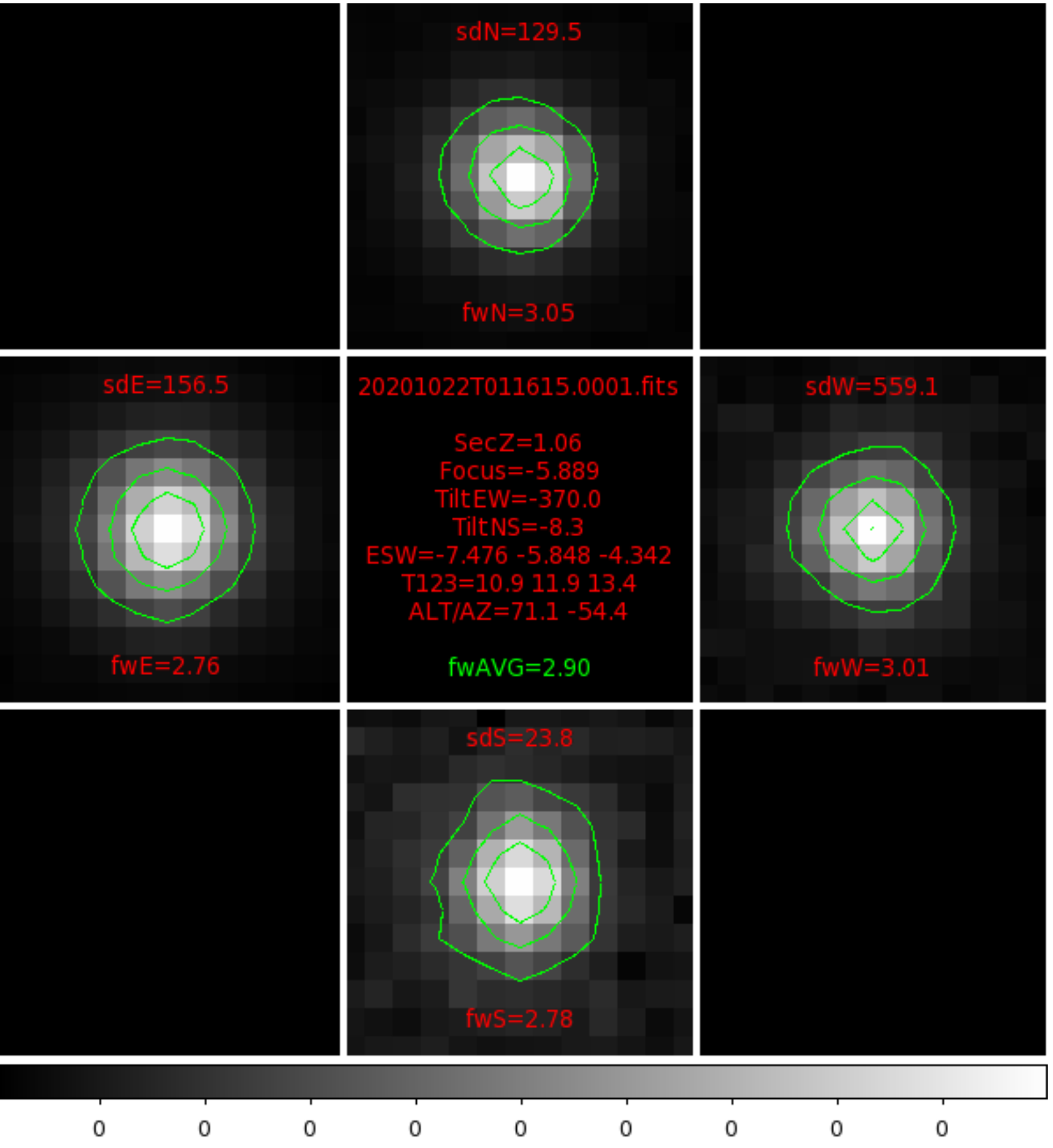
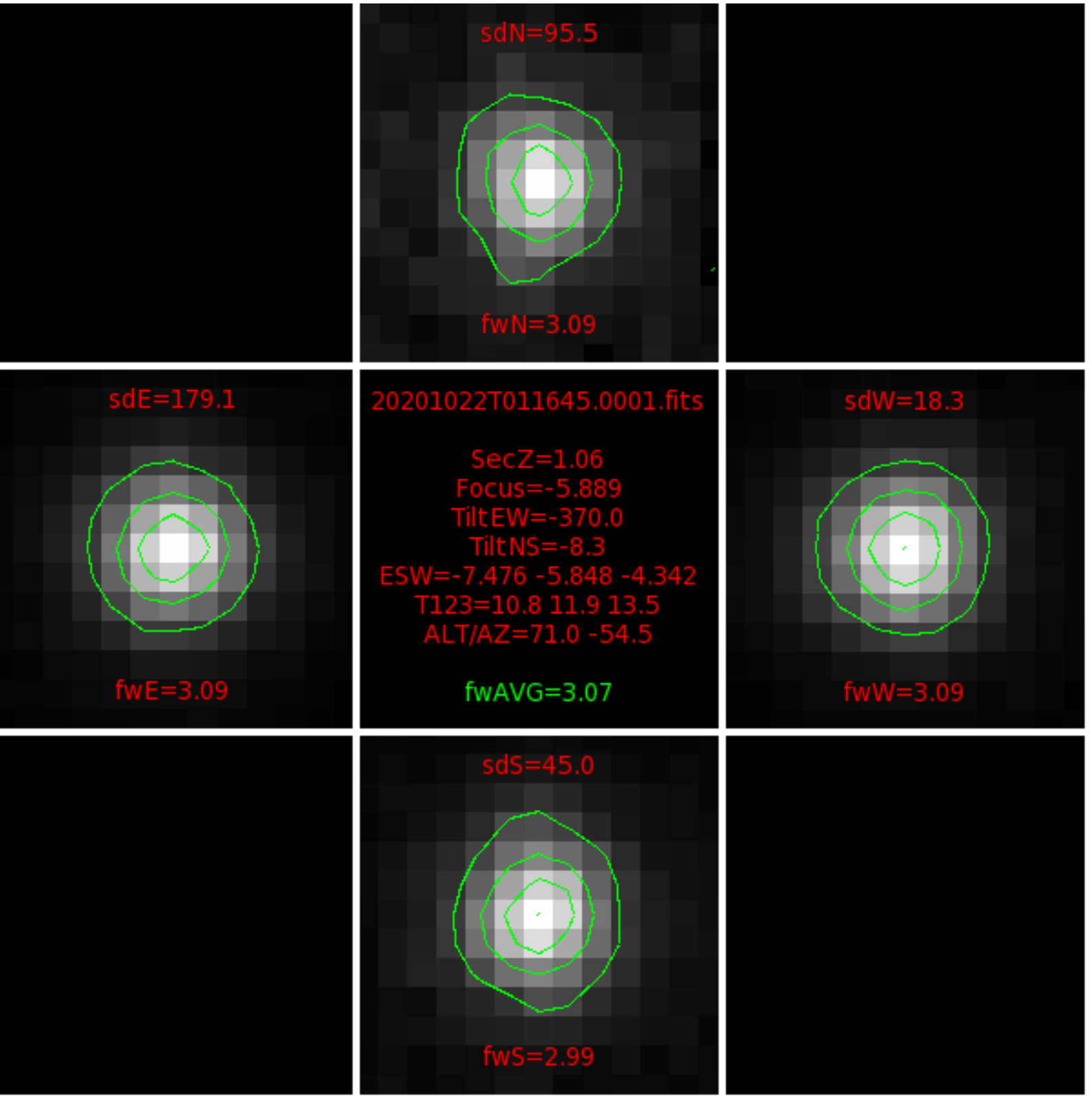

sdN=124.9
fwN=3.03
sdE=152.3
fwE=2.91
20201022T011356.0001.fits
SecZ=1.12
Focus=-5.889
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.476 -5.848 -4.342
T123=11.0 11.9 13.5
ALT/AZ=63.1 -67.4
fwAVG=2.94
sdW=574.1
fwW=2.92
sdS=10.9
fwS=2.90
0 0 0 0 0 0 0 0 0


sdN=174.6
fwN=2.85
sdE=200.0
fwE=2.88
20201022T011424.0001.fits
SecZ=1.12
Focus=-5.889
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.476 -5.848 -4.342
T123=11.0 11.9 13.5
ALT/AZ=63.0 -67.5
fwAVG=2.83
sdW=625.6
fwW=2.78
sdS=16.1
fwS=2.83
0 0 0 0 0 0 0 0 0


sdN=129.5
fwN=3.05
sdE=156.5
fwE=2.76
20201022T011615.0001.fits
SecZ=1.06
Focus=-5.889
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.476 -5.848 -4.342
T123=10.9 11.9 13.4
ALT/AZ=71.1 -54.4
fwAVG=2.90
sdW=559.1
fwW=3.01
sdS=23.8
fwS=2.78
0 0 0 0 0 0 0 0 0


sdN=95.5
fwN=3.09
sdE=179.1
fwE=3.09
20201022T011645.0001.fits
SecZ=1.06
Focus=-5.889
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.476 -5.848 -4.342
T123=10.8 11.9 13.5
ALT/AZ=71.0 -54.5
fwAVG=3.07
sdW=18.3
fwW=3.09
sdS=45.0
fwS=2.99
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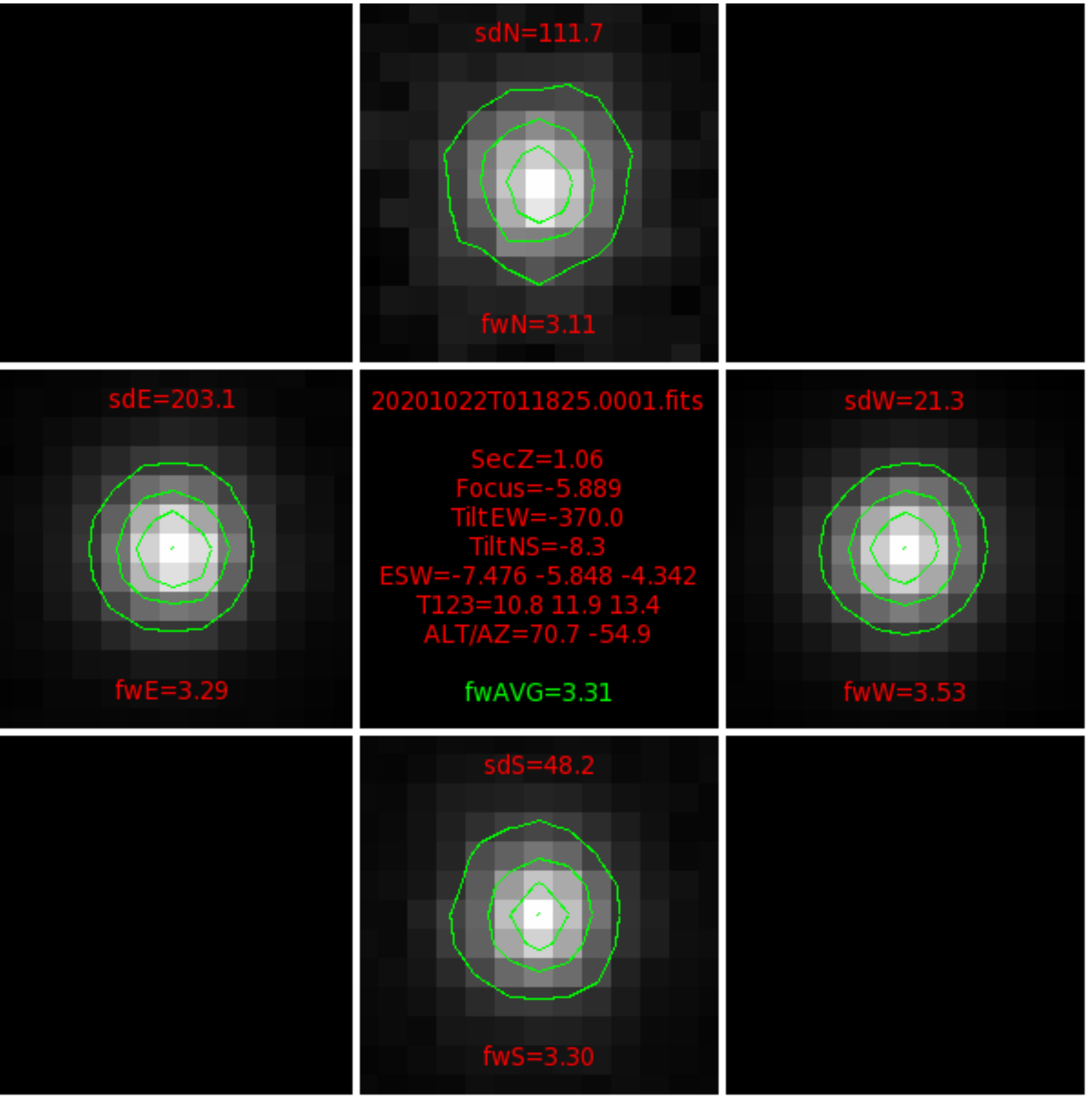
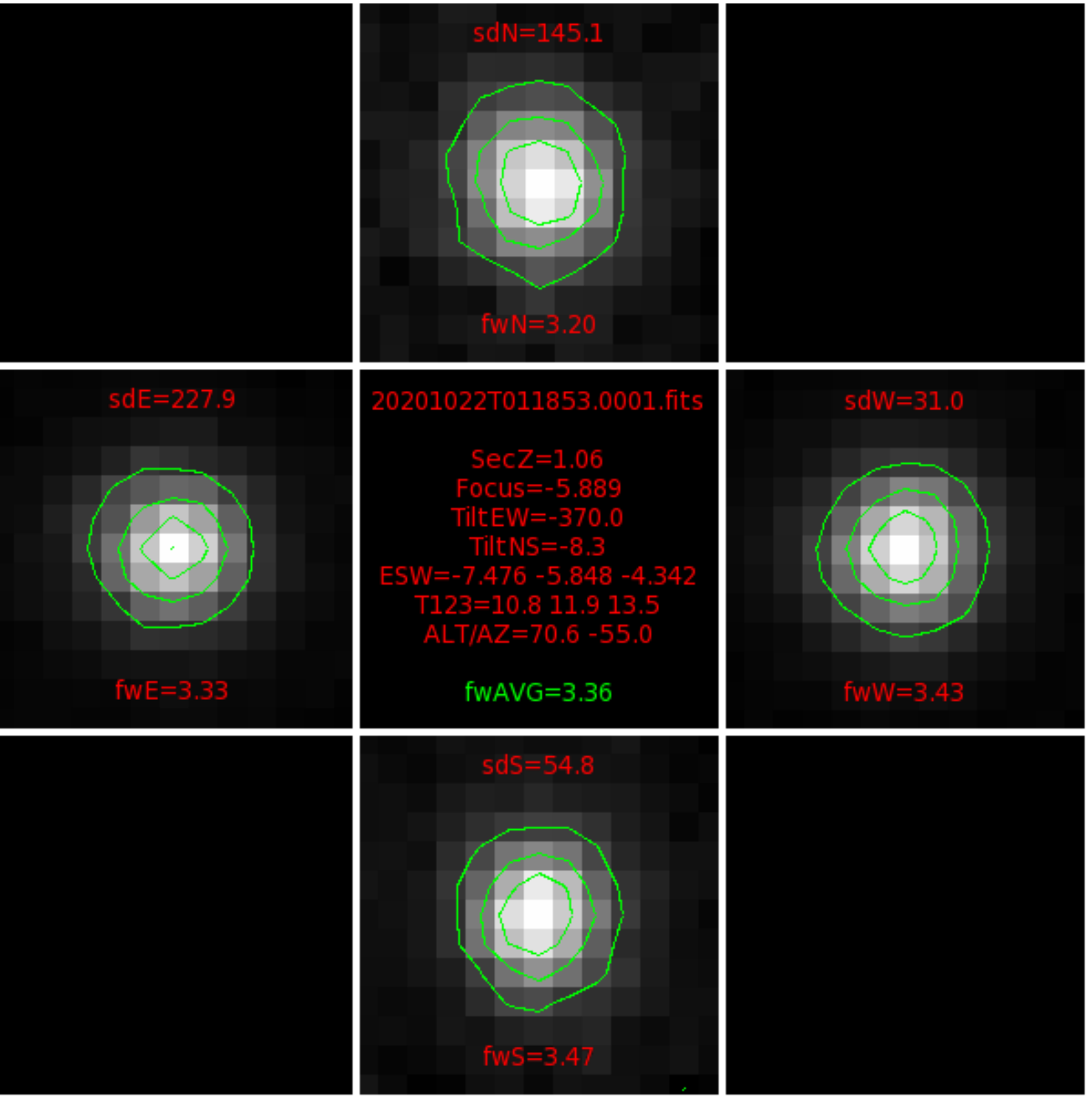

sdN=111.7
fwN=3.11
sdE=203.1
fwE=3.29
20201022T011825.0001.fits
SecZ=1.06
Focus=-5.889
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.476 -5.848 -4.342
T123=10.8 11.9 13.4
ALT/AZ=70.7 -54.9
fwAVG=3.31
sdW=21.3
fwW=3.53
sdS=48.2
fwS=3.30
0 0 0 0 0 0 0 0 0


sdN=145.1
fwN=3.20
sdE=227.9
fwE=3.33
20201022T011853.0001.fits
SecZ=1.06
Focus=-5.889
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.476 -5.848 -4.342
T123=10.8 11.9 13.5
ALT/AZ=70.6 -55.0
fwAVG=3.36
sdW=31.0
fwW=3.43
sdS=54.8
fwS=3.47
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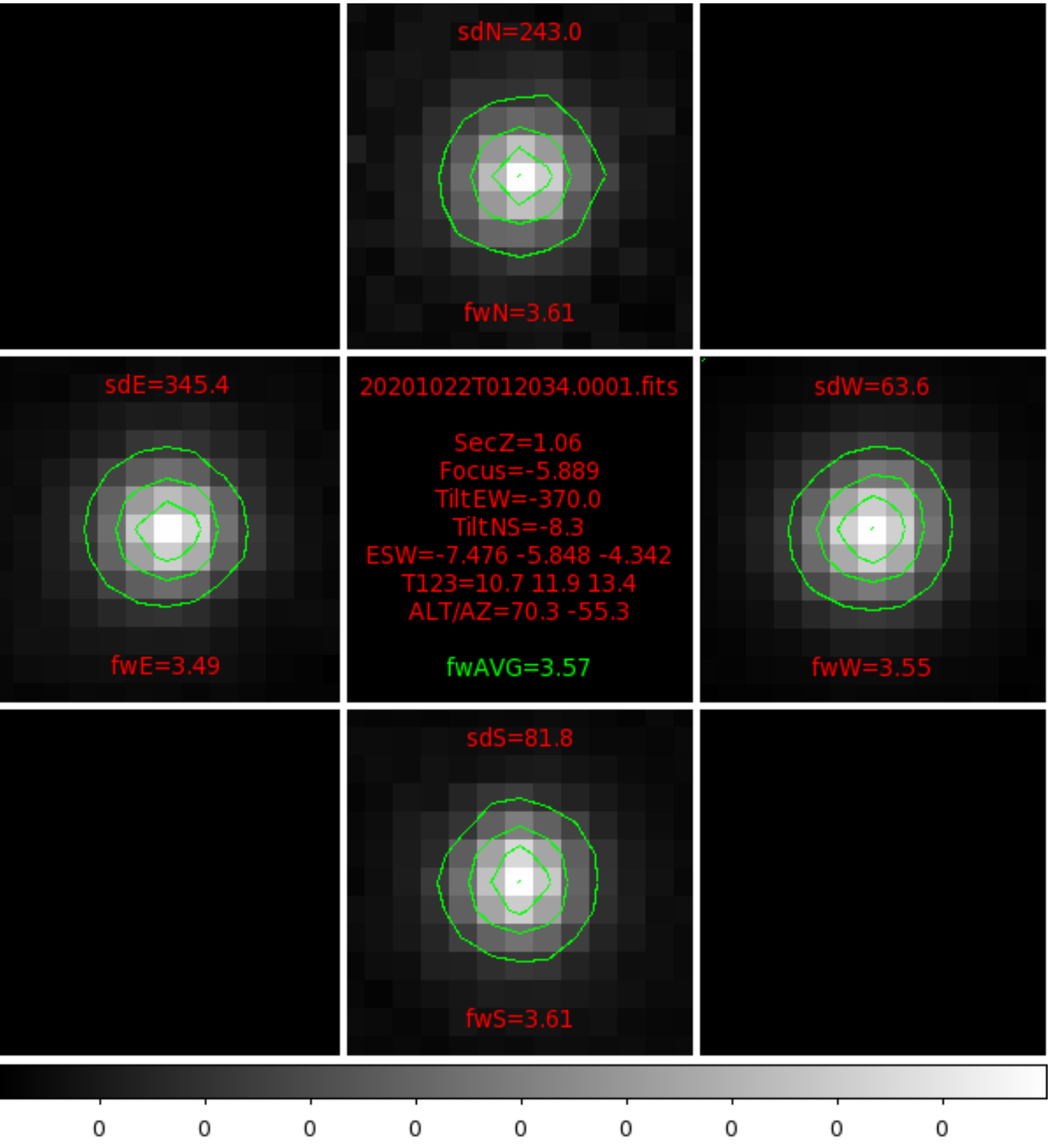
sdN=243.0
fwN=3.61
sdE=345.4
fwE=3.49
20201022T012034.0001.fits
SecZ=1.06
Focus=-5.889
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.476 -5.848 -4.342
T123=10.7 11.9 13.4
ALT/AZ=70.3 -55.3
fwAVG=3.57
sdW=63.6
fwW=3.55
sdS=81.8
fwS=3.61
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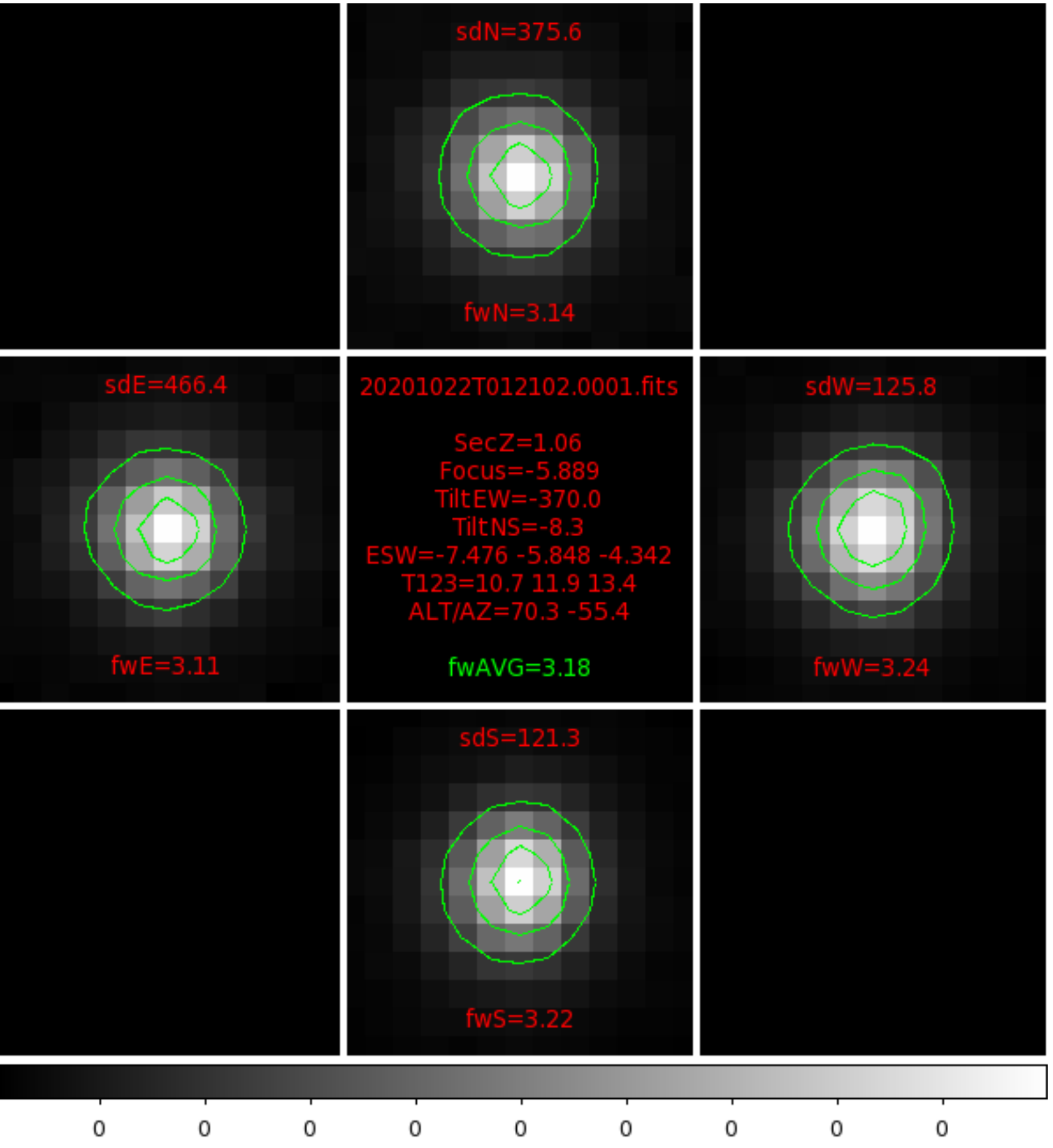
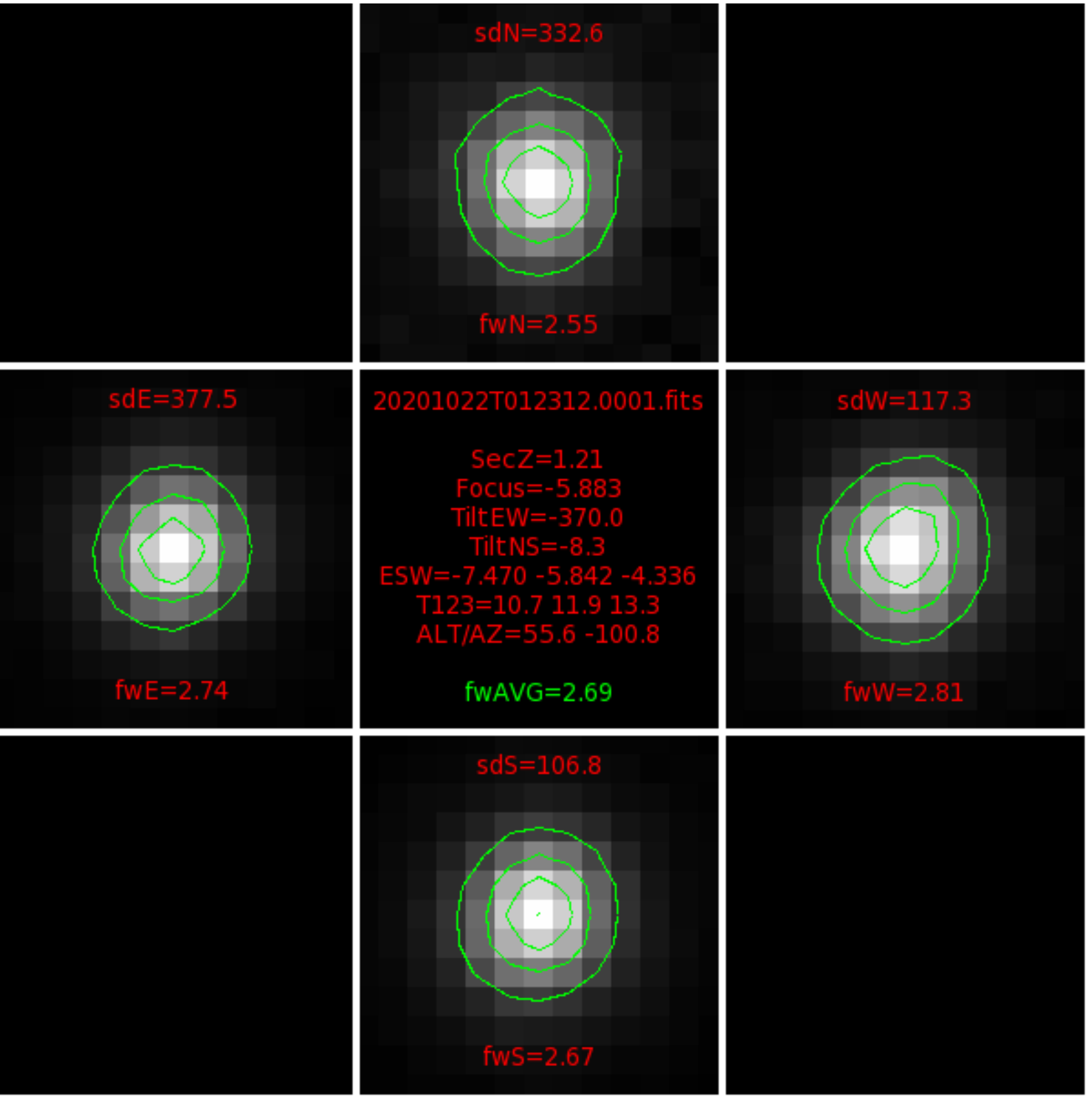

sdN=375.6
fwN=3.14
sdE=466.4
fwE=3.11
20201022T012102.0001.fits
SecZ=1.06
Focus=-5.889
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.476 -5.848 -4.342
T123=10.7 11.9 13.4
ALT/AZ=70.3 -55.4
fwAVG=3.18
sdW=125.8
fwW=3.24
sdS=121.3
fwS=3.22
0 0 0 0 0 0 0 0 0


sdN=332.6
fwN=2.55
sdE=377.5
fwE=2.74
20201022T012312.0001.fits
SecZ=1.21
Focus=-5.883
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.470 -5.842 -4.336
T123=10.7 11.9 13.3
ALT/AZ=55.6 -100.8
fwAVG=2.69
sdW=117.3
fwW=2.81
sdS=106.8
fwS=2.67
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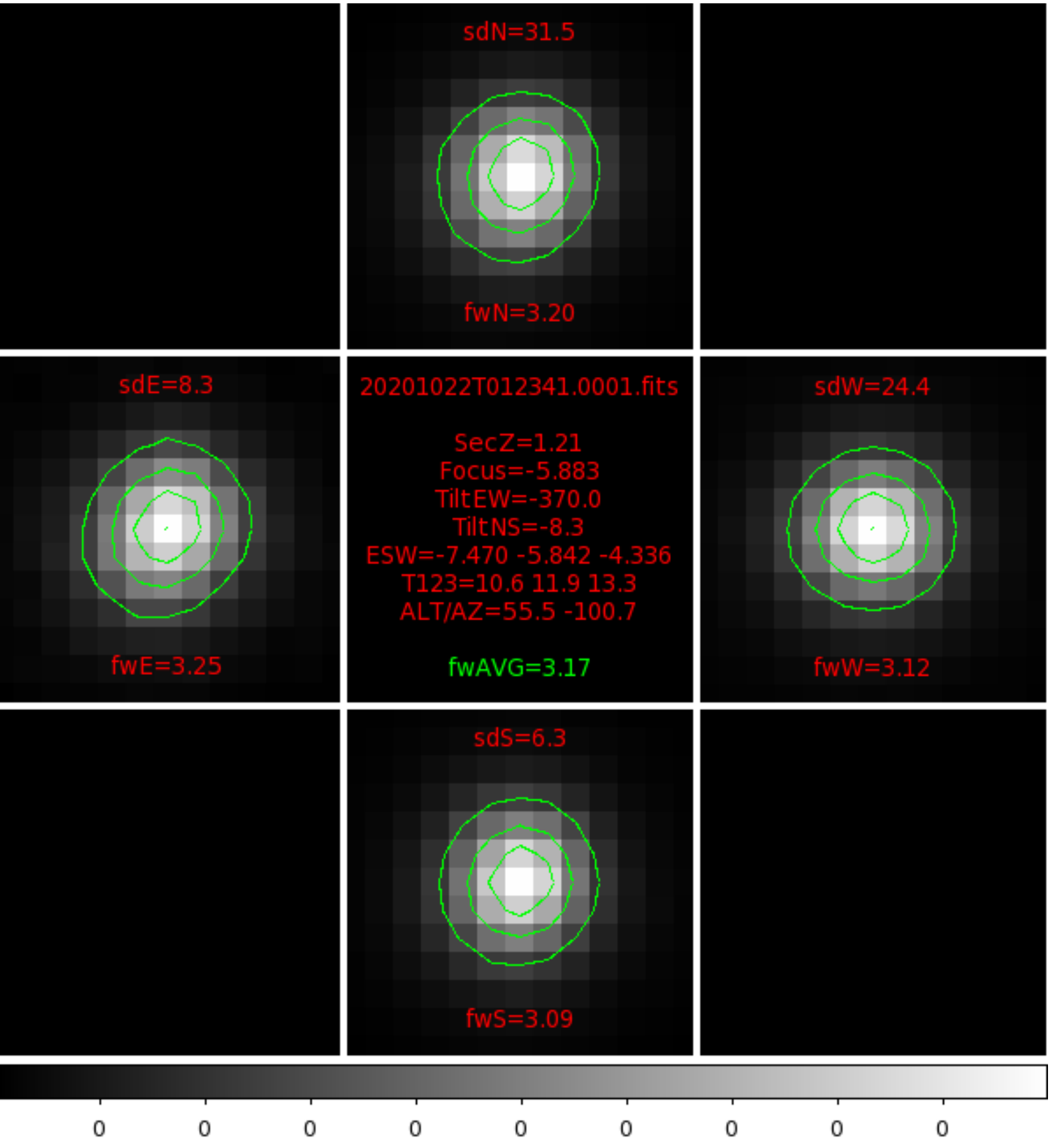
sdN=31.5
fwN=3.20
sdE=8.3
fwE=3.25
20201022T012341.0001.fits
SecZ=1.21
Focus=-5.883
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.470 -5.842 -4.336
T123=10.6 11.9 13.3
ALT/AZ=55.5 -100.7
fwAVG=3.17
sdW=24.4
fwW=3.12
sdS=6.3
fwS=3.09
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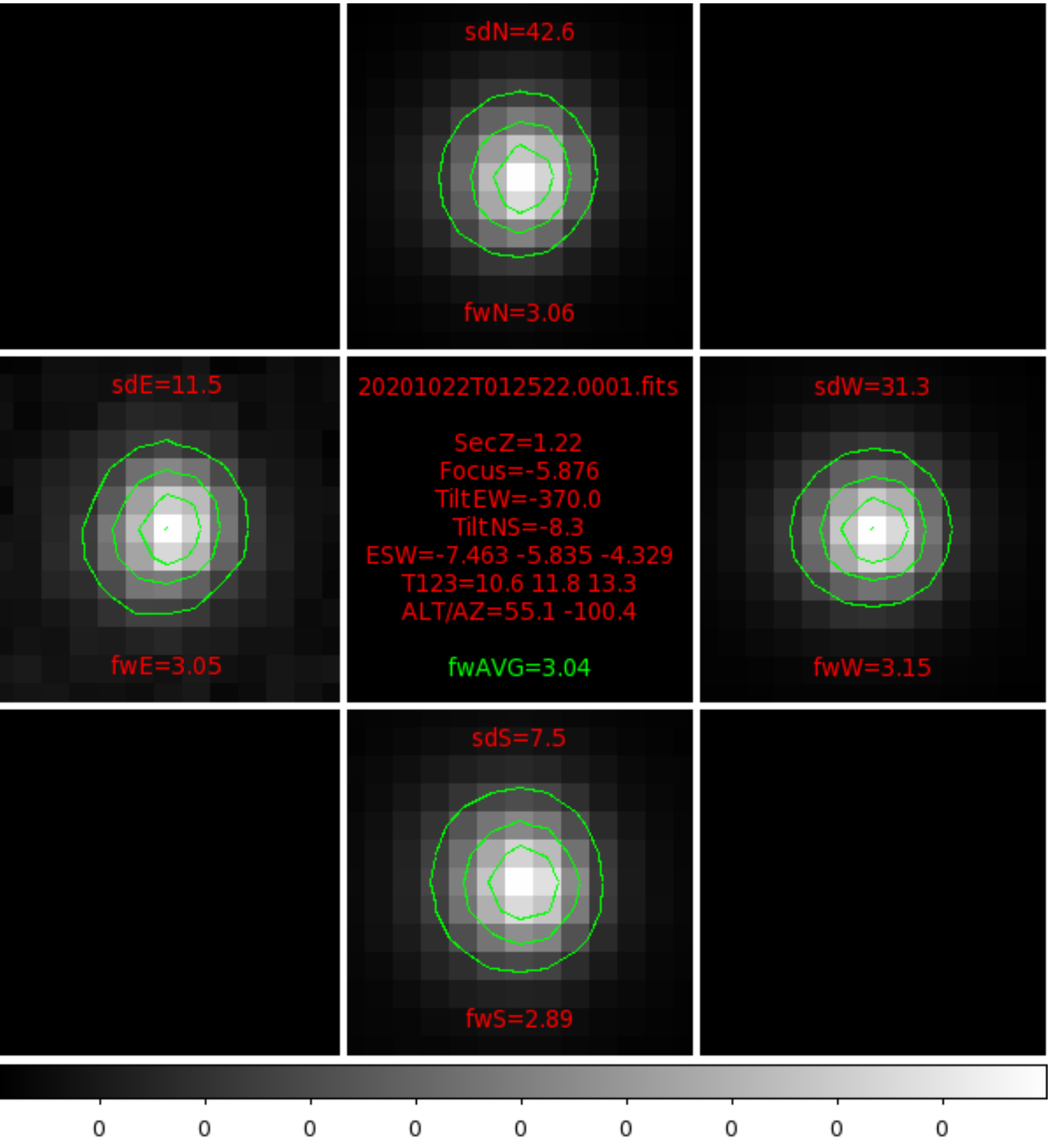
sdN=42.6
fwN=3.06
sdE=11.5
fwE=3.05
20201022T012522.0001.fits
SecZ=1.22
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=10.6 11.8 13.3
ALT/AZ=55.1 -100.4
fwAVG=3.04
sdW=31.3
fwW=3.15
sdS=7.5
fwS=2.89
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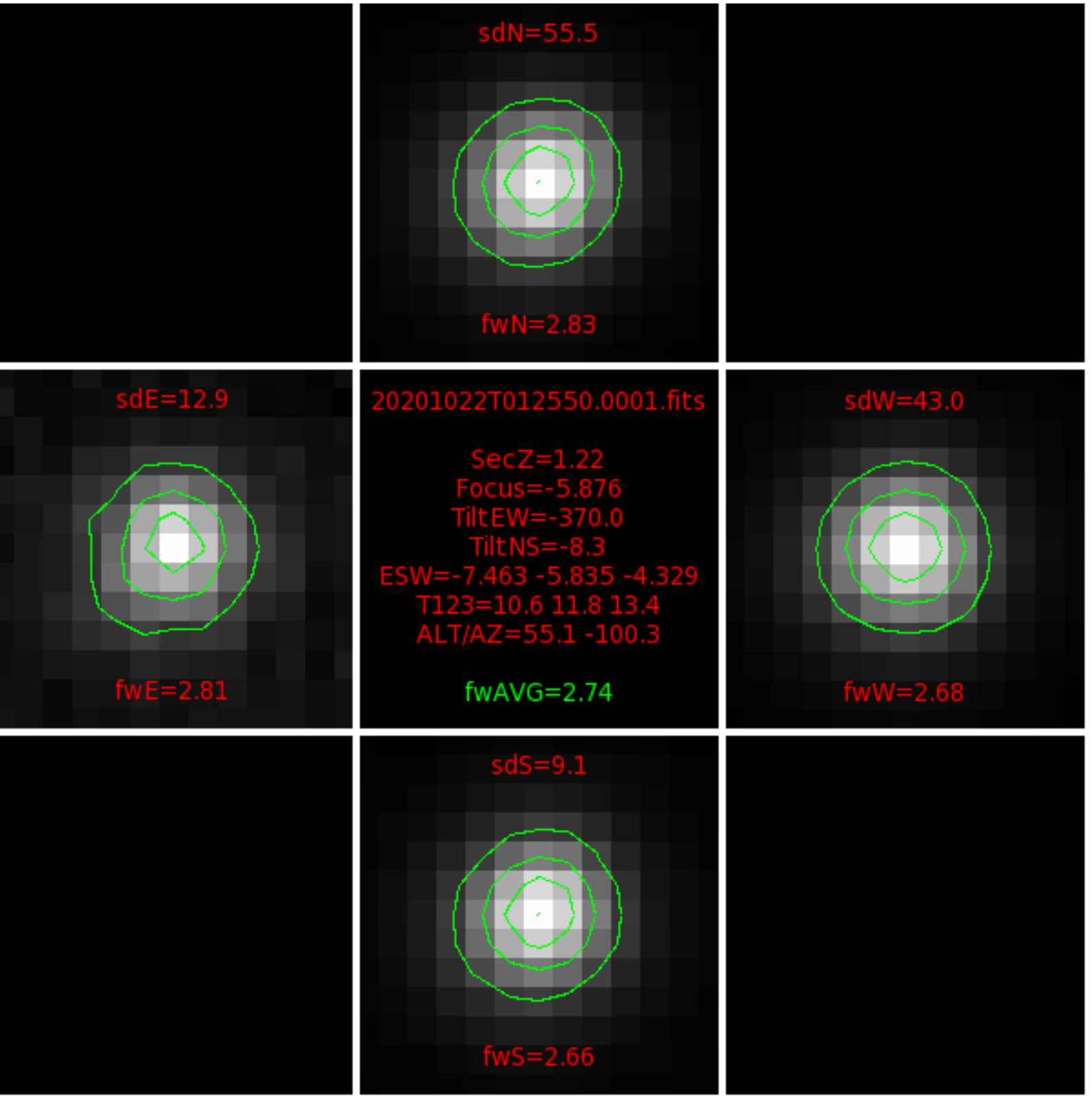
sdN=55.5
fwN=2.83
sdE=12.9
fwE=2.81
20201022T012550.0001.fits
SecZ=1.22
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=10.6 11.8 13.4
ALT/AZ=55.1 -100.3
fwAVG=2.74
sdW=43.0
fwW=2.68
sdS=9.1
fwS=2.66
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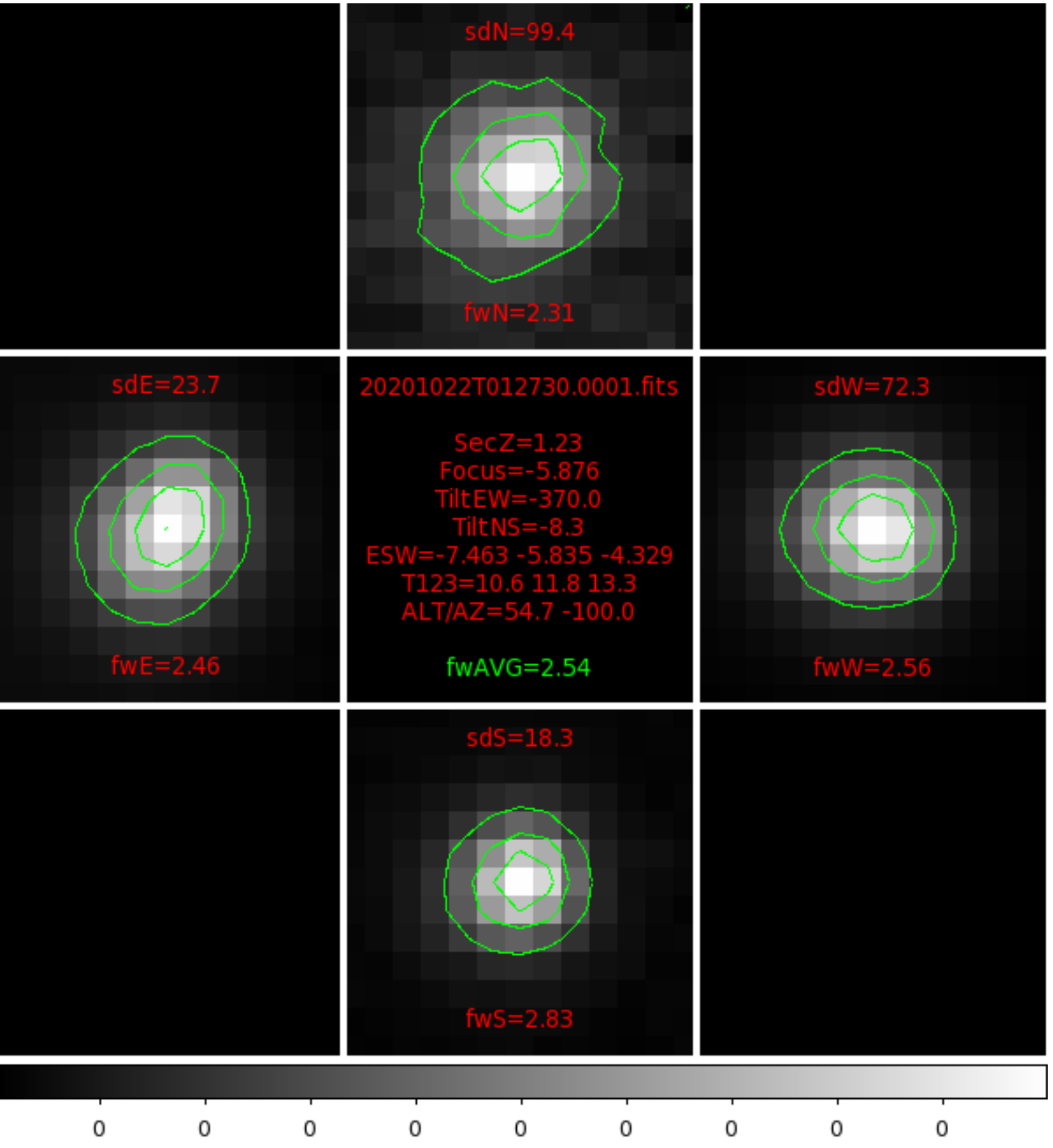
sdN=99.4
fwN=2.31
sdE=23.7
fwE=2.46
20201022T012730.0001.fits
SecZ=1.23
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=10.6 11.8 13.3
ALT/AZ=54.7 -100.0
fwAVG=2.54
sdW=72.3
fwW=2.56
sdS=18.3
fwS=2.83
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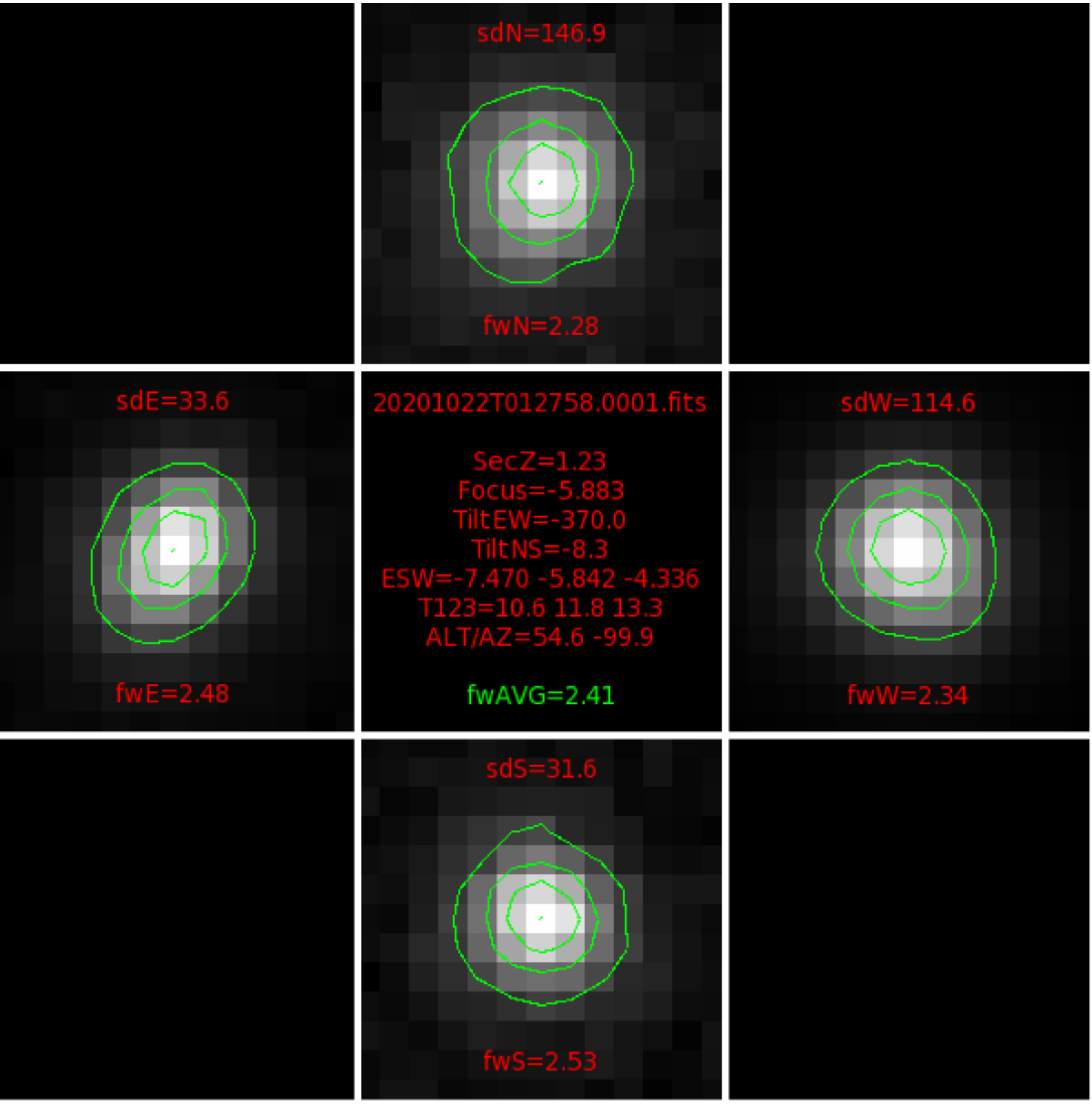
sdN=146.9
fwN=2.28
sdE=33.6
fwE=2.48
20201022T012758.0001.fits
SecZ=1.23
Focus=-5.883
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.470 -5.842 -4.336
T123=10.6 11.8 13.3
ALT/AZ=54.6 -99.9
fwAVG=2.41
sdW=114.6
fwW=2.34
sdS=31.6
fwS=2.53
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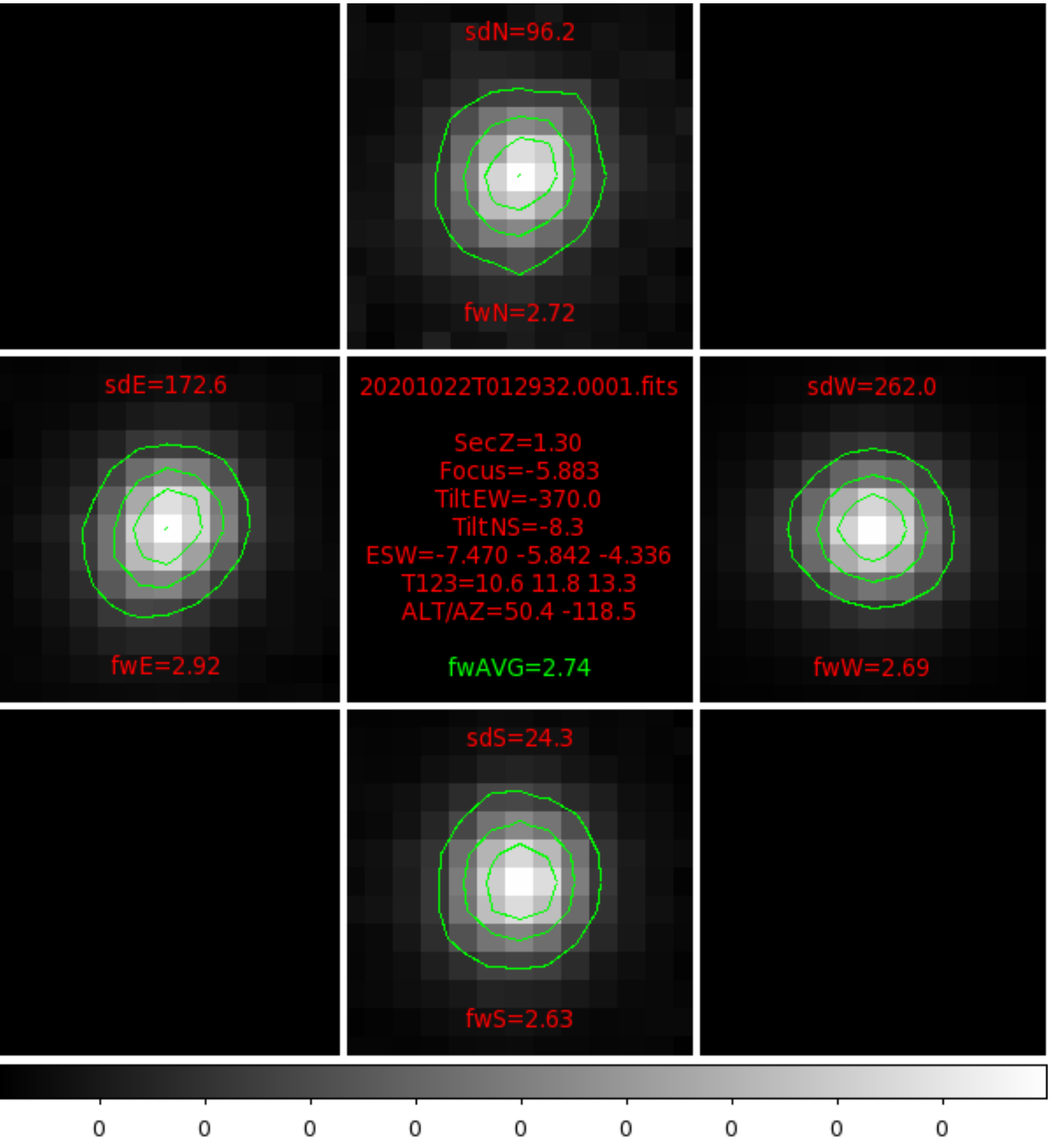
sdN=96.2
fwN=2.72
sdE=172.6
fwE=2.92
20201022T012932.0001.fits
SecZ=1.30
Focus=-5.883
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.470 -5.842 -4.336
T123=10.6 11.8 13.3
ALT/AZ=50.4 -118.5
fwAVG=2.74
sdW=262.0
fwW=2.69
sdS=24.3
fwS=2.63
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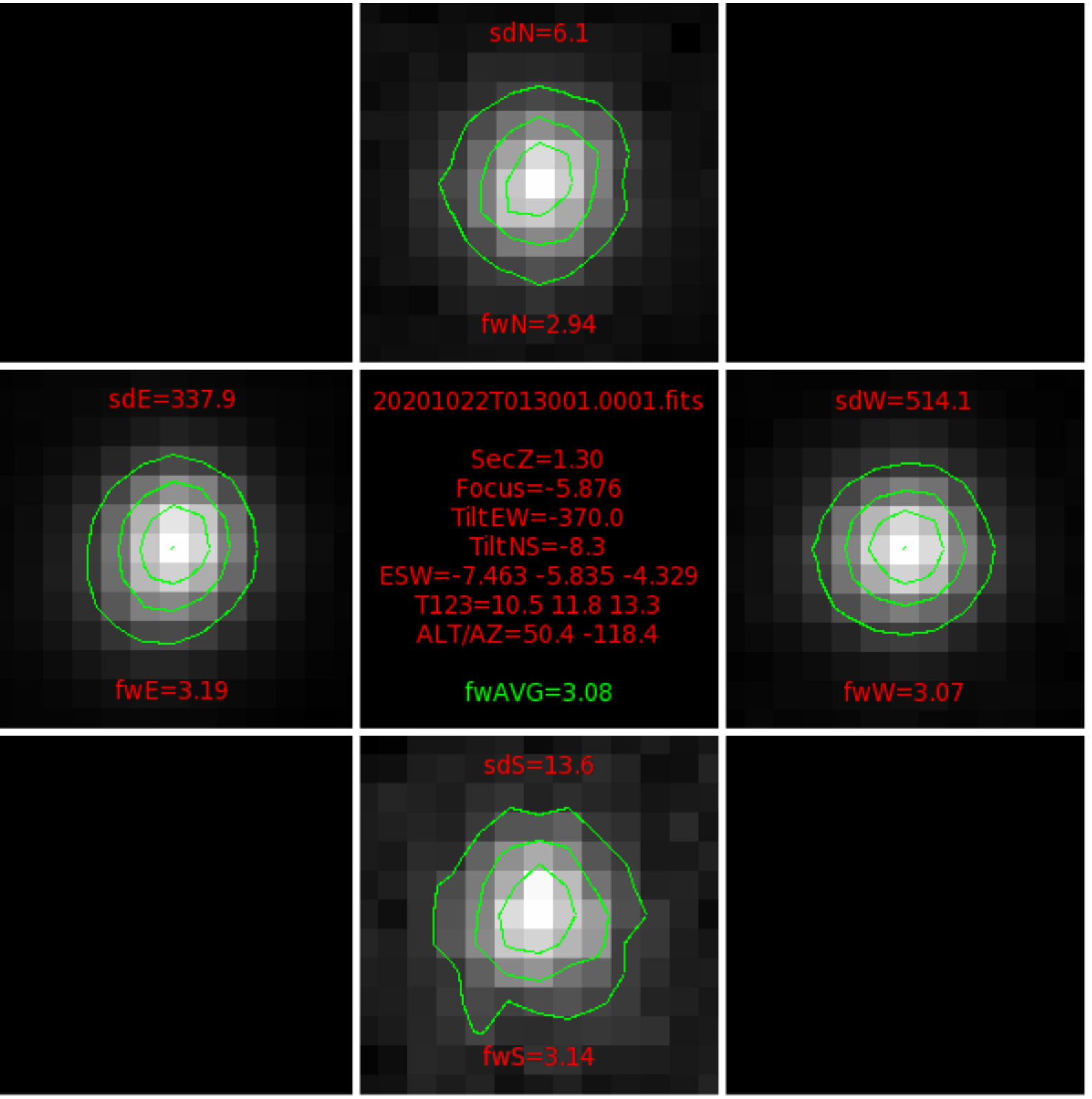
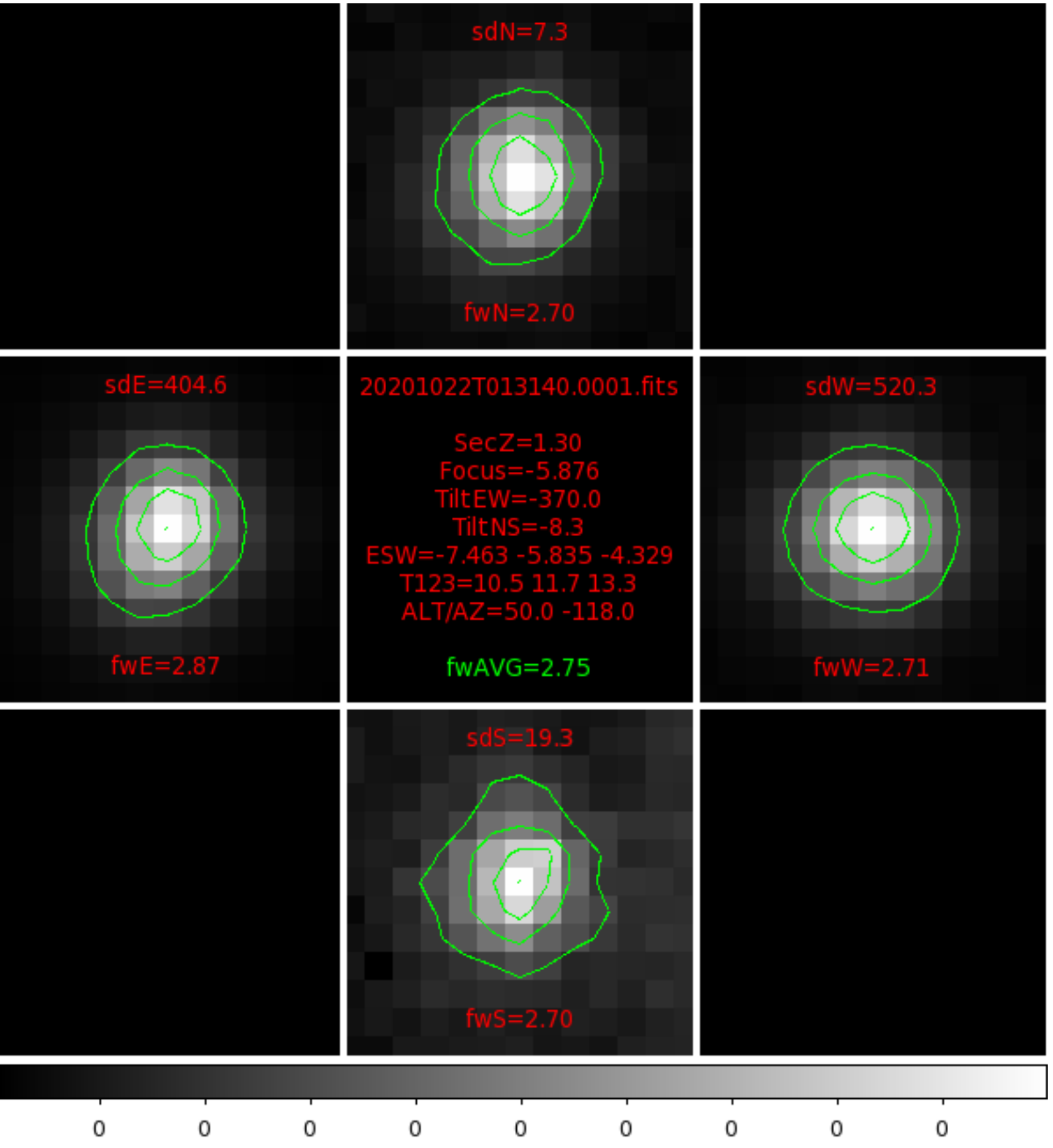
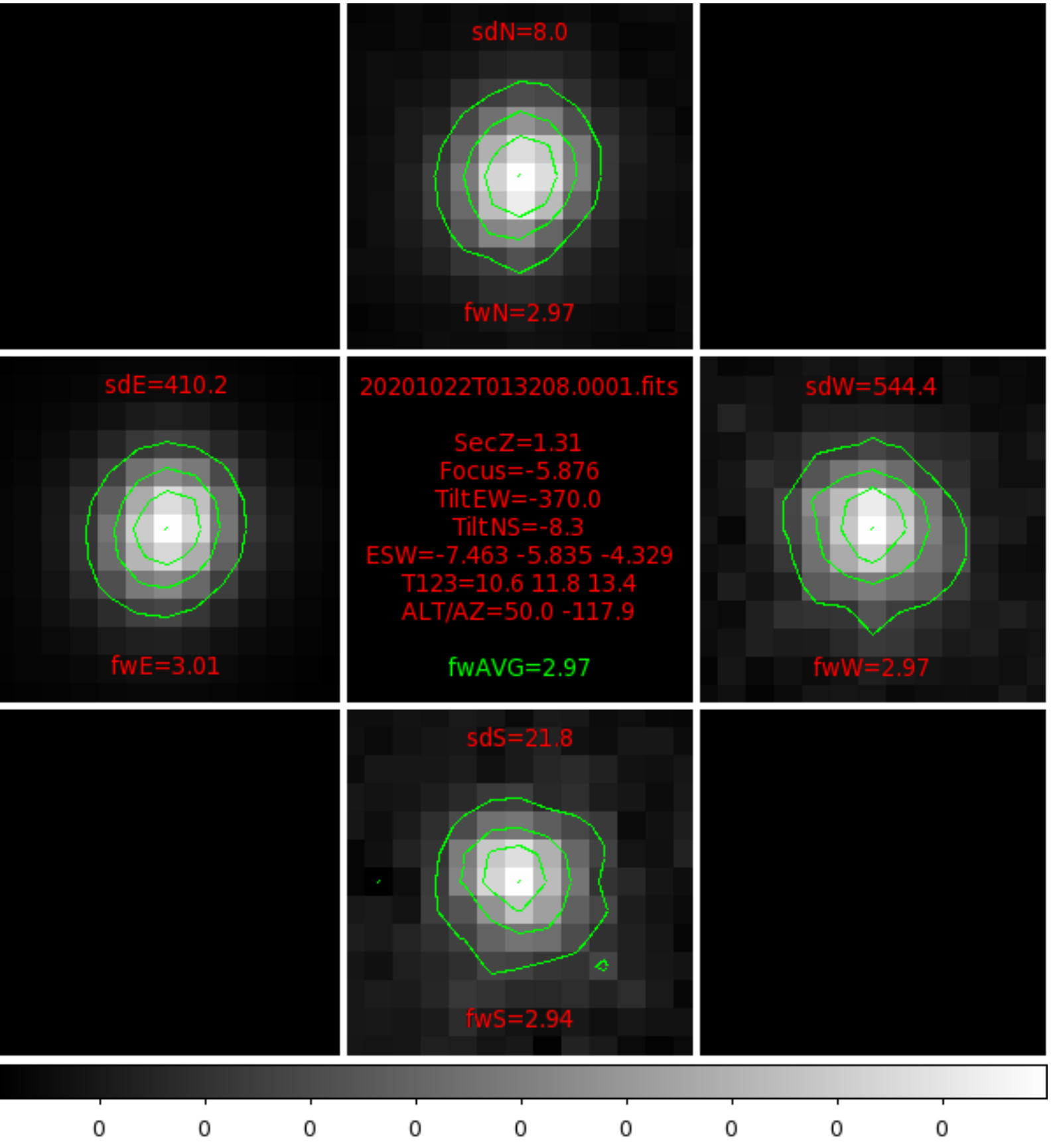

sdN=6.1
fwN=2.94
sdE=337.9
fwE=3.19
20201022T013001.0001.fits
SecZ=1.30
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=10.5 11.8 13.3
ALT/AZ=50.4 -118.4
fwAVG=3.08
sdW=514.1
fwW=3.07
sdS=13.6
fwS=3.14
0 0 0 0 0 0 0 0 0


sdN=7.3
fwN=2.70
sdE=404.6
fwE=2.87
20201022T013140.0001.fits
SecZ=1.30
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=10.5 11.7 13.3
ALT/AZ=50.0 -118.0
fwAVG=2.75
sdW=520.3
fwW=2.71
sdS=19.3
fwS=2.70
0 0 0 0 0 0 0 0 0


sdN=8.0
fwN=2.97
sdE=410.2
fwE=3.01
20201022T013208.0001.fits
SecZ=1.31
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=10.6 11.8 13.4
ALT/AZ=50.0 -117.9
fwAVG=2.97
sdW=544.4
fwW=2.97
sdS=21.8
fwS=2.94
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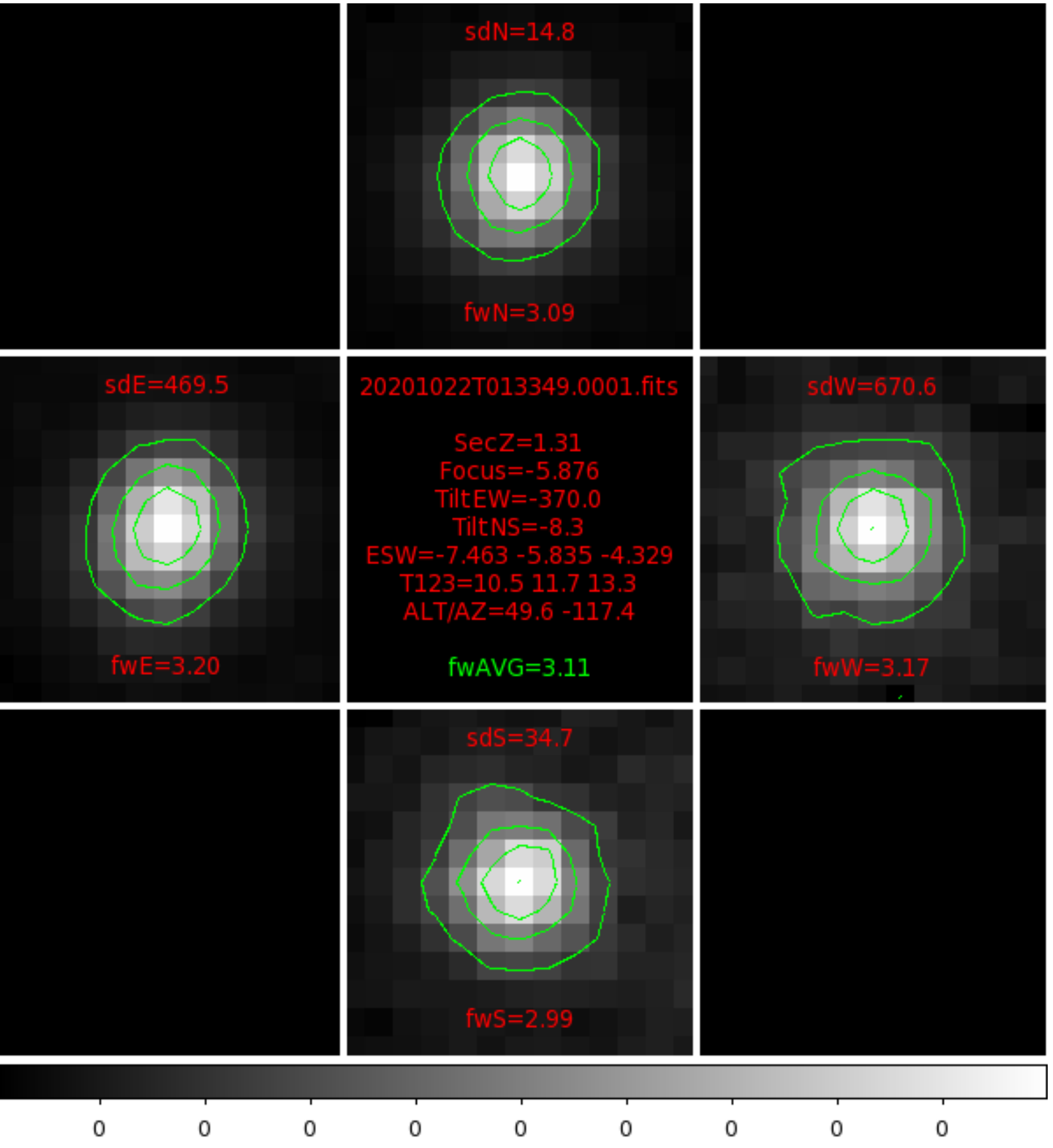
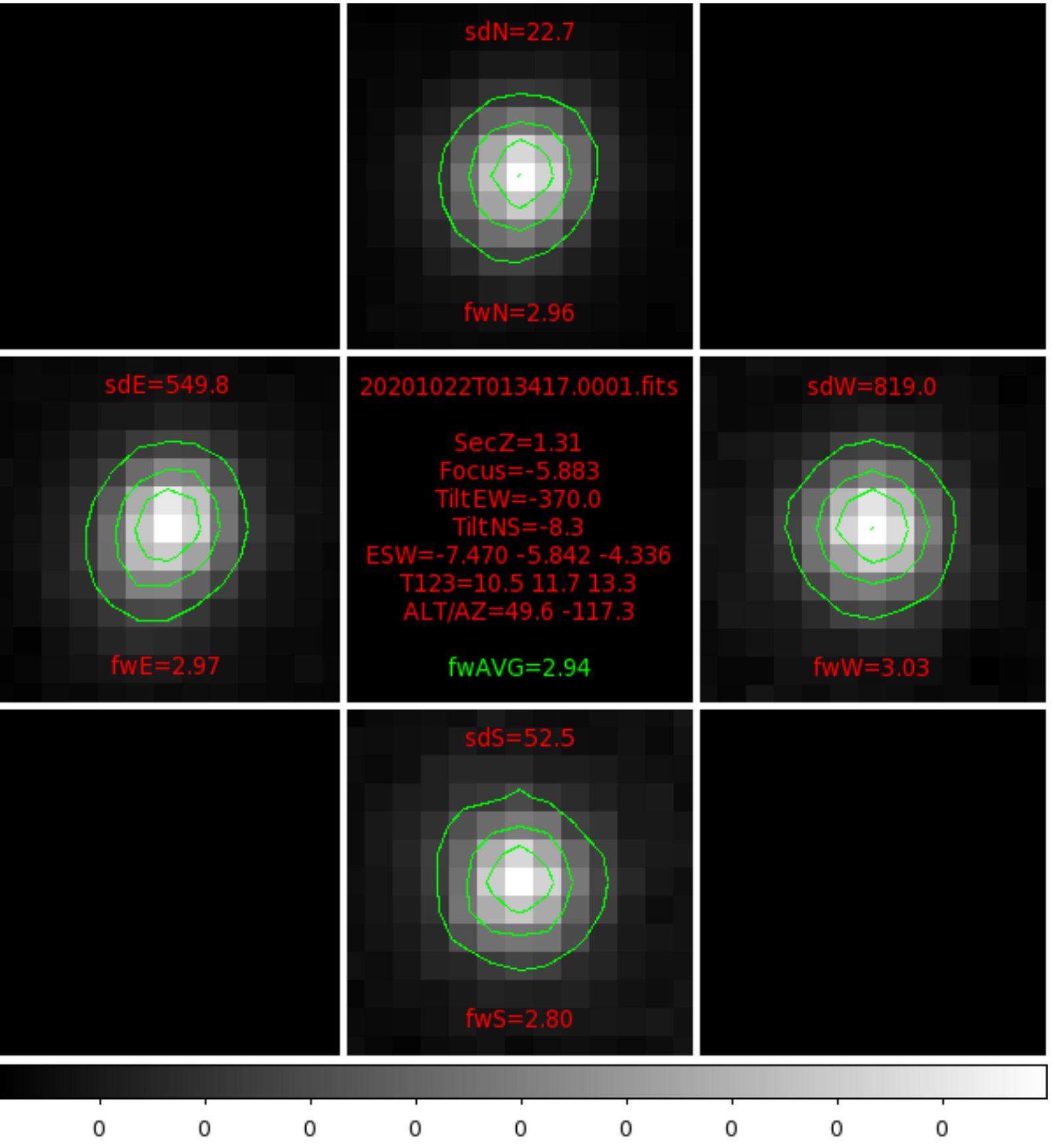

sdN=14.8
fwN=3.09
sdE=469.5
20201022T013349.0001.fits
SecZ=1.31
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=10.5 11.7 13.3
ALT/AZ=49.6 -117.4
fwAVG=3.11
sdW=670.6
fwE=3.20
fwW=3.17
sdS=34.7
fwS=2.99
0 0 0 0 0 0 0 0 0


sdN=22.7
fwN=2.96
sdE=549.8
fwE=2.97
20201022T013417.0001.fits
SecZ=1.31
Focus=-5.883
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.470 -5.842 -4.336
T123=10.5 11.7 13.3
ALT/AZ=49.6 -117.3
fwAVG=2.94
sdW=819.0
fwW=3.03
sdS=52.5
fwS=2.80
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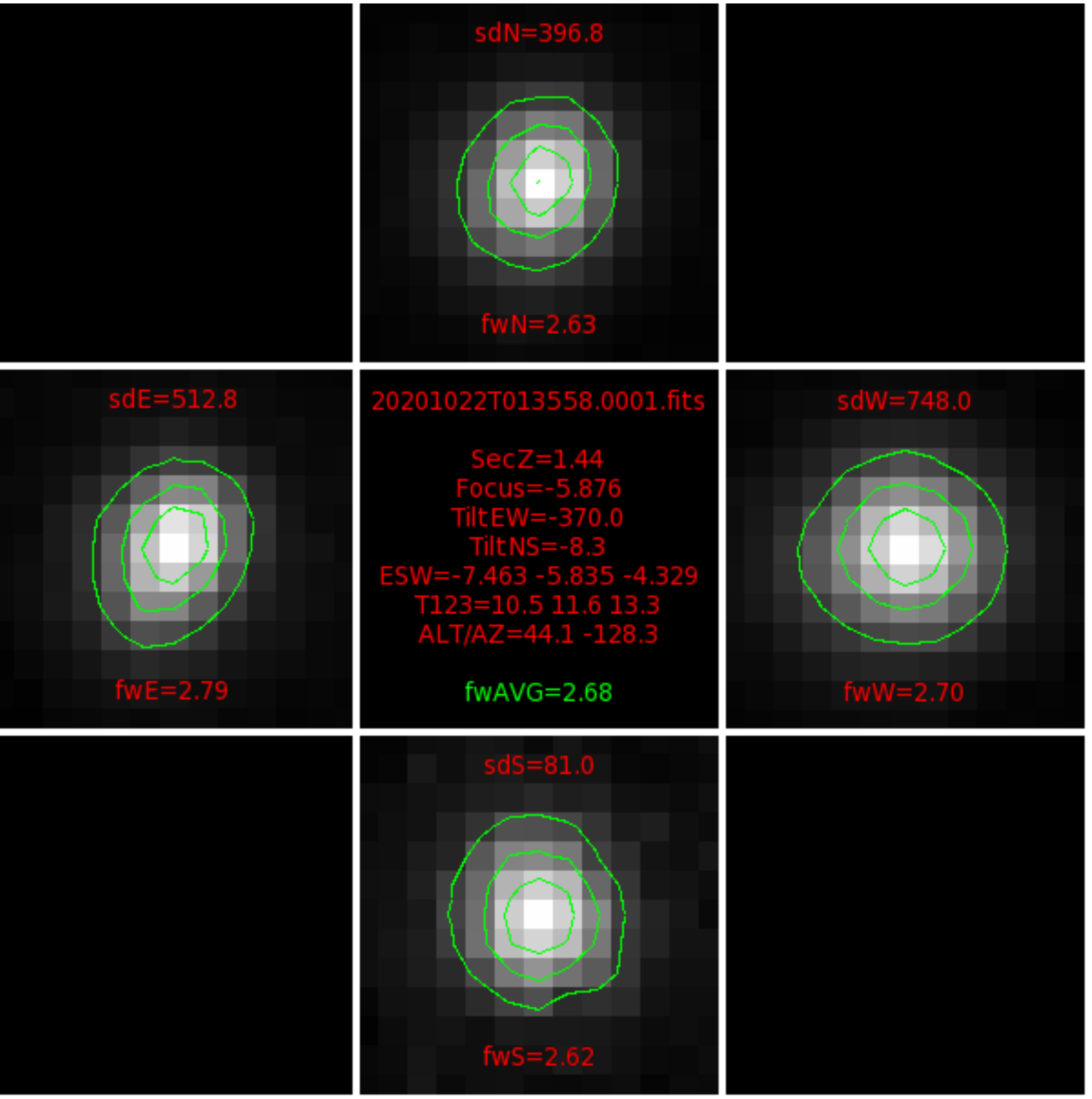
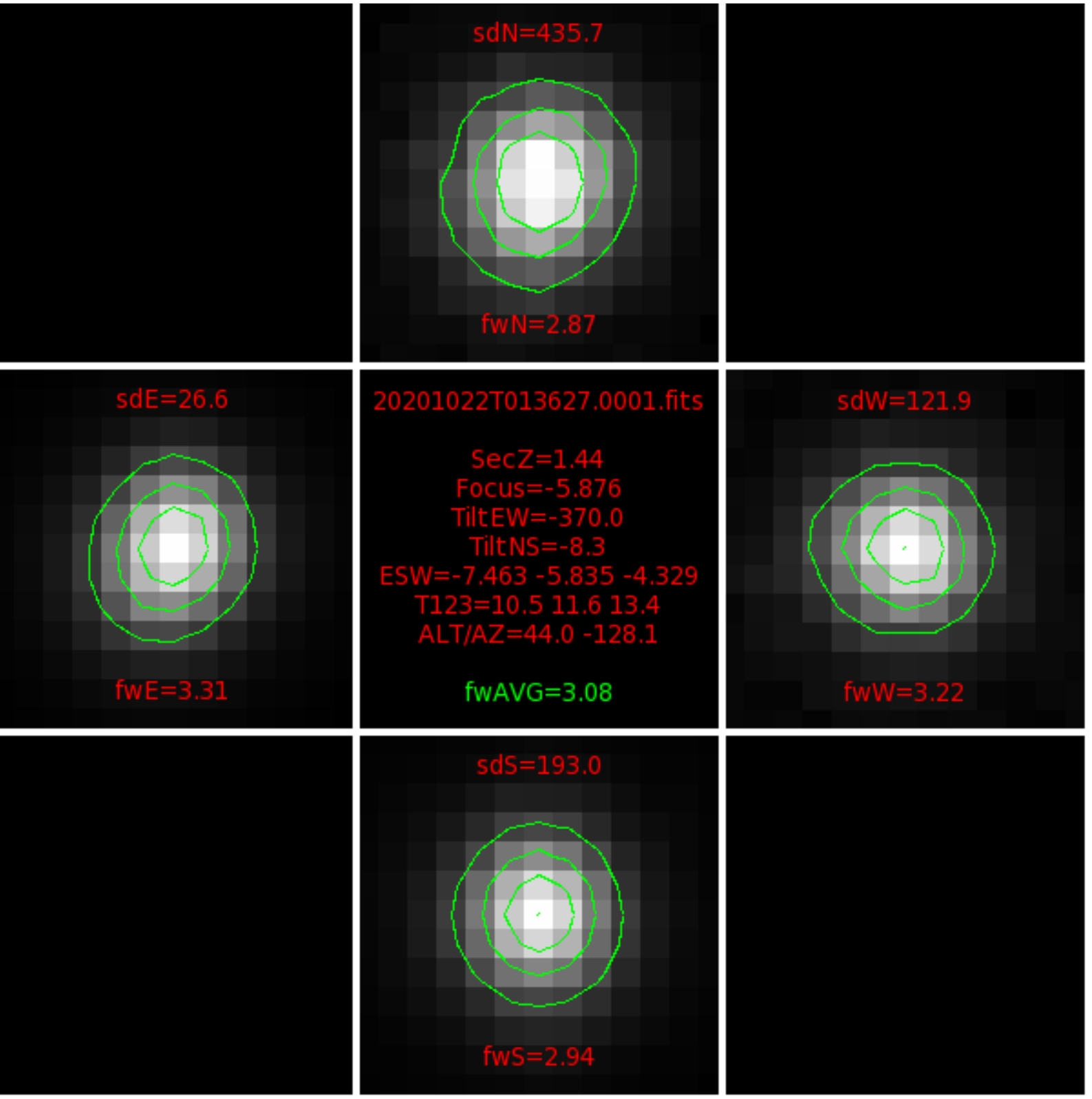

sdN=396.8
fwN=2.63
sdE=512.8
fwE=2.79
20201022T013558.0001.fits
SecZ=1.44
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=10.5 11.6 13.3
ALT/AZ=44.1 -128.3
fwAVG=2.68
sdW=748.0
fwW=2.70
sdS=81.0
fwS=2.62
0 0 0 0 0 0 0 0 0


sdN=435.7
fwN=2.87
sdE=26.6
fwE=3.31
20201022T013627.0001.fits
SecZ=1.44
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=10.5 11.6 13.4
ALT/AZ=44.0 -128.1
fwAVG=3.08
sdW=121.9
fwW=3.22
sdS=193.0
fwS=2.94
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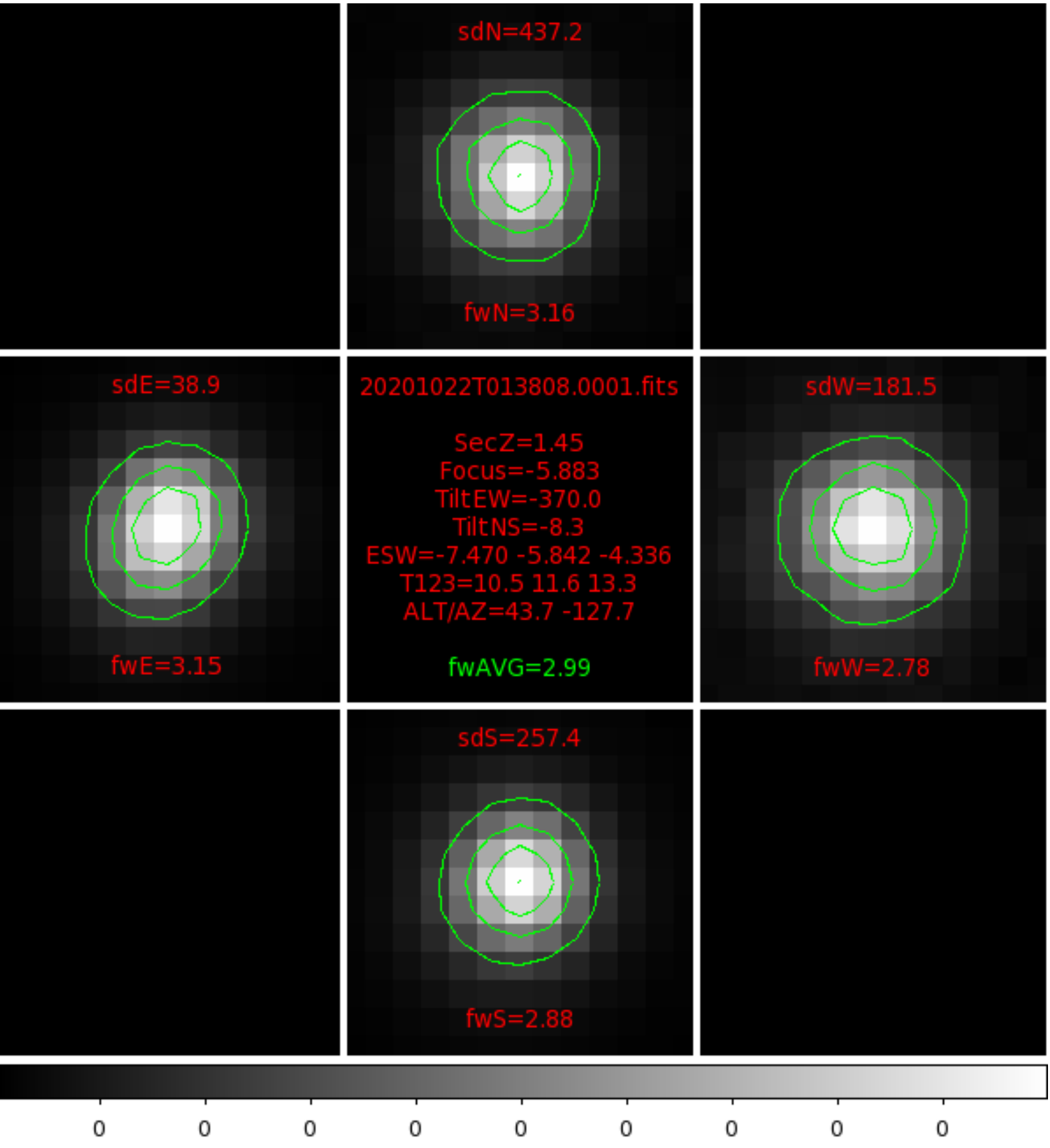
sdN=437.2
fwN=3.16
sdE=38.9
fwE=3.15
20201022T013808.0001.fits
SecZ=1.45
Focus=-5.883
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.470 -5.842 -4.336
T123=10.5 11.6 13.3
ALT/AZ=43.7 -127.7
fwAVG=2.99
sdW=181.5
fwW=2.78
sdS=257.4
fwS=2.88
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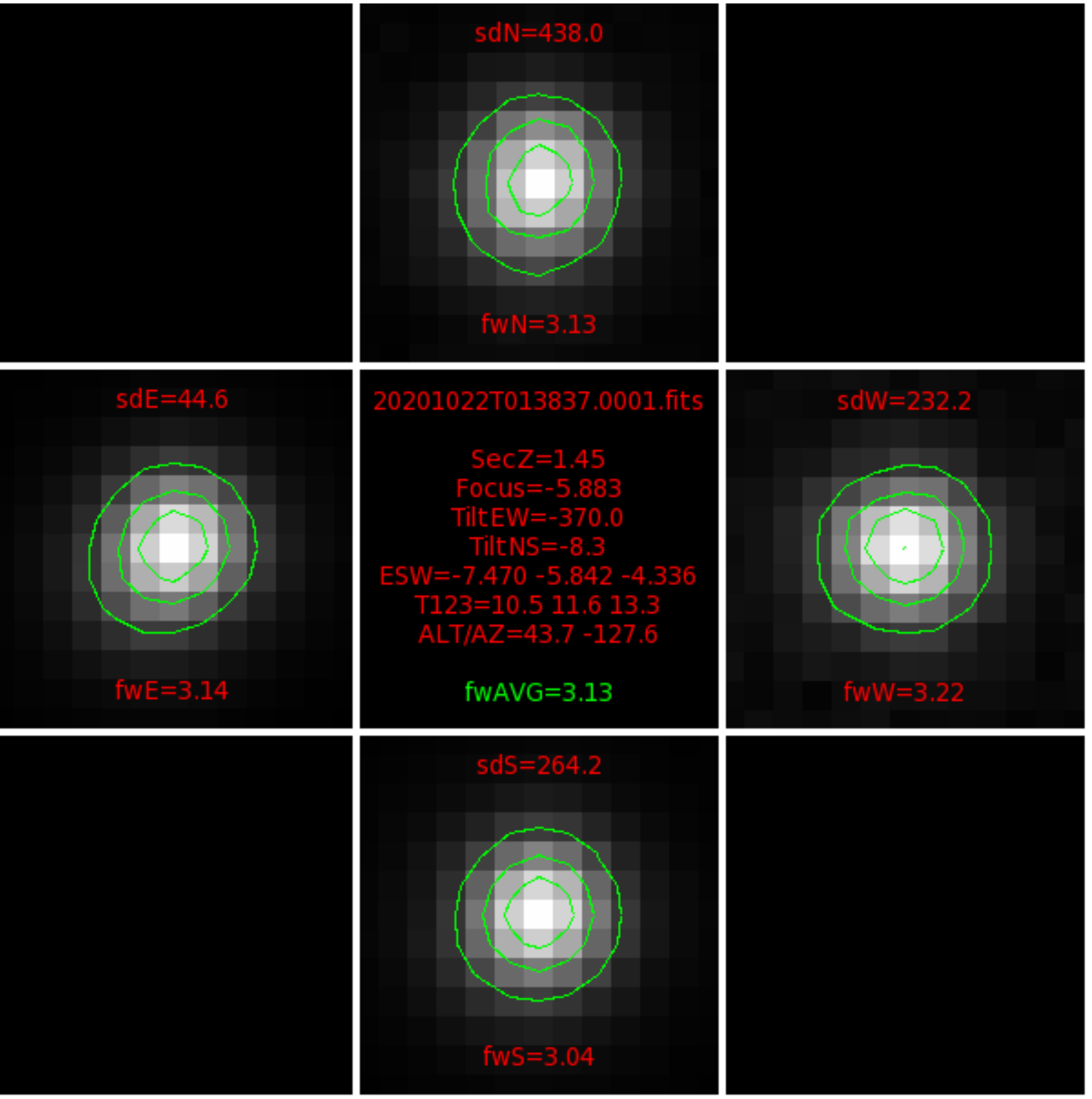
sdN=438.0
fwN=3.13
sdE=44.6
fwE=3.14
20201022T013837.0001.fits
SecZ=1.45
Focus=-5.883
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.470 -5.842 -4.336
T123=10.5 11.6 13.3
ALT/AZ=43.7 -127.6
fwAVG=3.13
sdW=232.2
fwW=3.22
sdS=264.2
fwS=3.04
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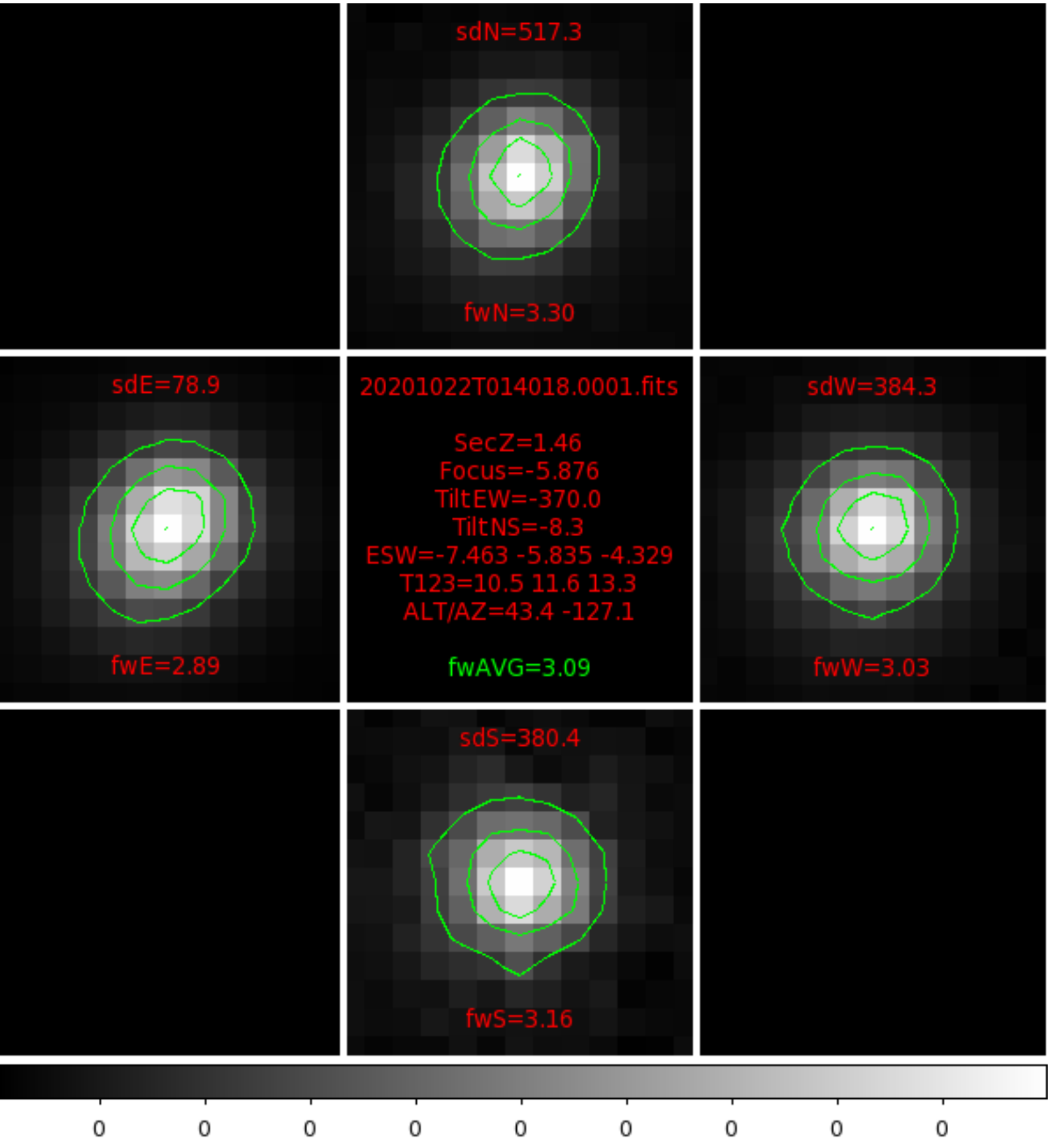
sdN=517.3
fwN=3.30
sdE=78.9
fwE=2.89
20201022T014018.0001.fits
SecZ=1.46
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=10.5 11.6 13.3
ALT/AZ=43.4 -127.1
fwAVG=3.09
sdW=384.3
fwW=3.03
sdS=380.4
fwS=3.16
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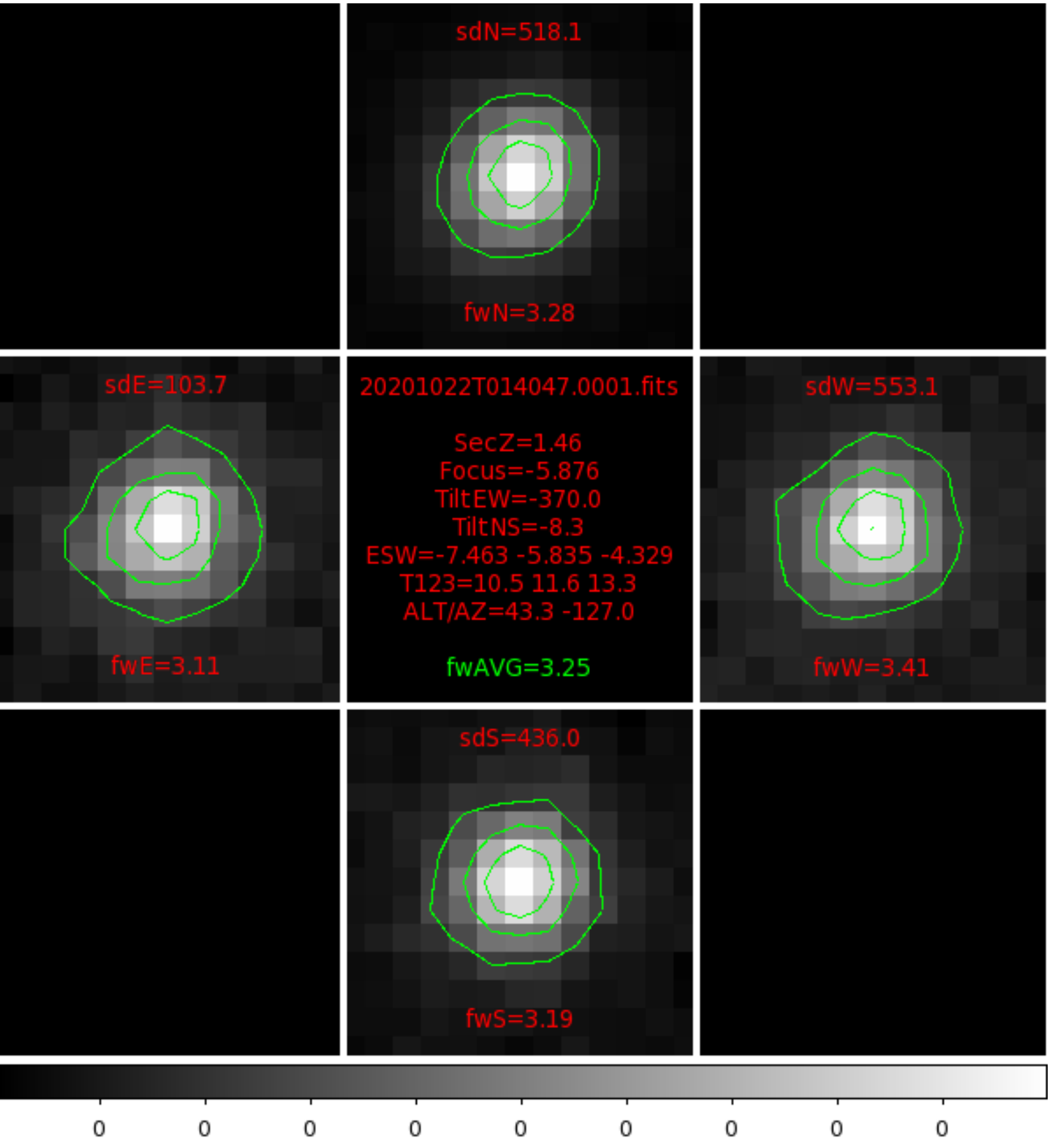
sdN=518.1
fwN=3.28
sdE=103.7
fwE=3.11
20201022T014047.0001.fits
SecZ=1.46
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=10.5 11.6 13.3
ALT/AZ=43.3 -127.0
fwAVG=3.25
sdW=553.1
fwW=3.41
sdS=436.0
fwS=3.19
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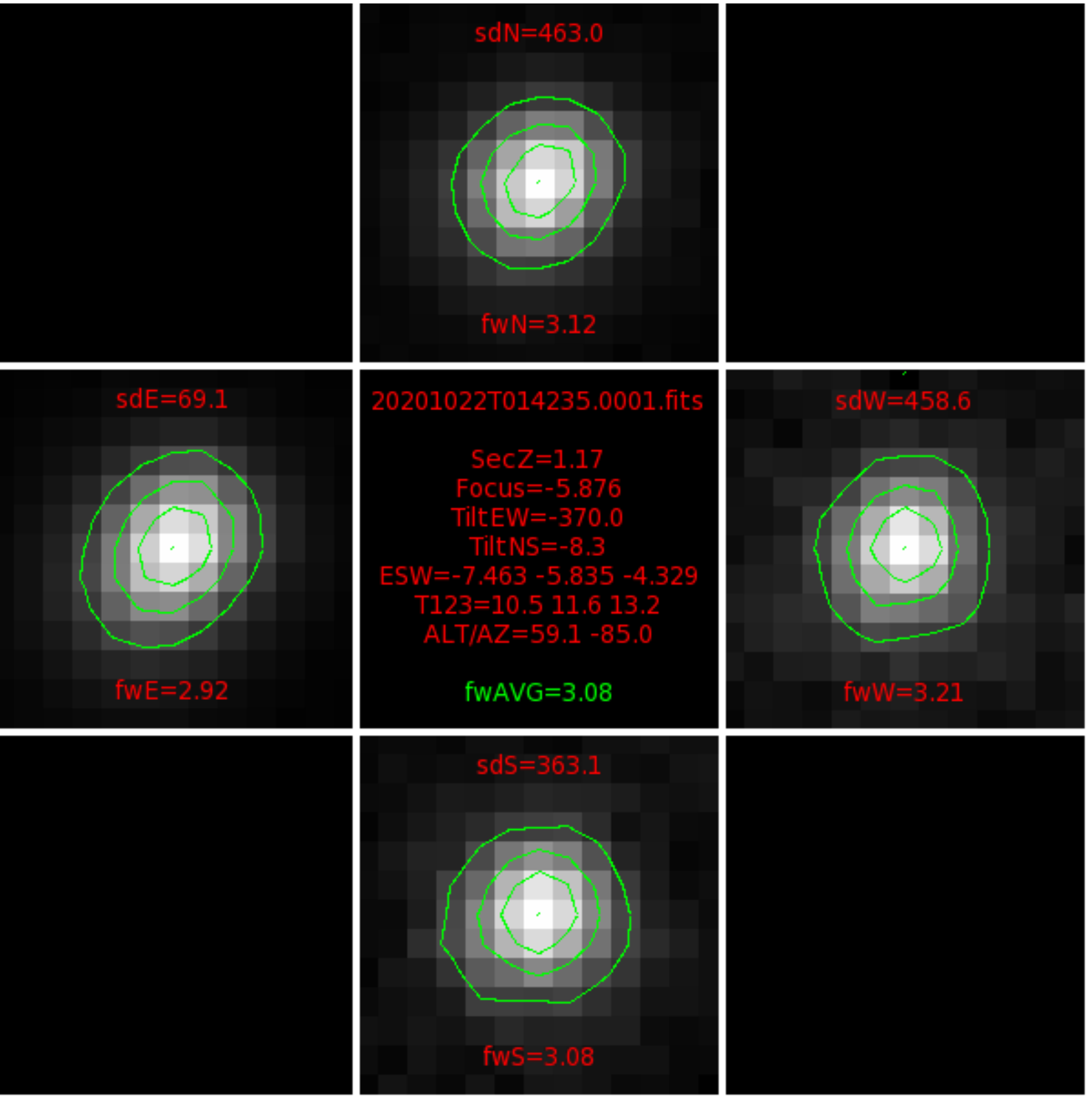
sdN=463.0
fwN=3.12
sdE=69.1
fwE=2.92
20201022T014235.0001.fits
SecZ=1.17
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=10.5 11.6 13.2
ALT/AZ=59.1 -85.0
fwAVG=3.08
sdW=458.6
fwW=3.21
sdS=363.1
fwS=3.08
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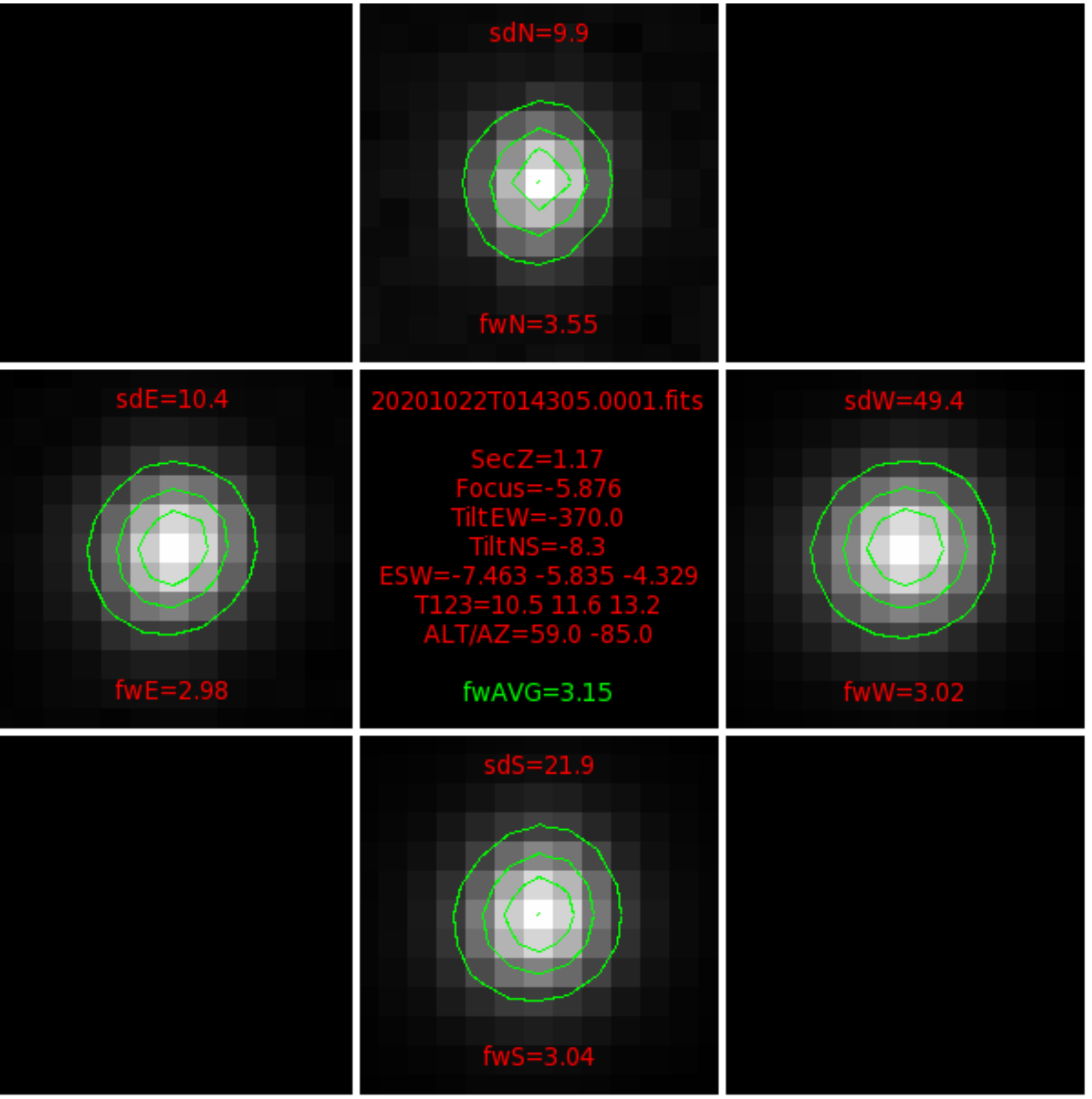
sdN=9.9
fwN=3.55
sdE=10.4
fwE=2.98
20201022T014305.0001.fits
SecZ=1.17
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=10.5 11.6 13.2
ALT/AZ=59.0 -85.0
fwAVG=3.15
sdW=49.4
fwW=3.02
sdS=21.9
fwS=3.04
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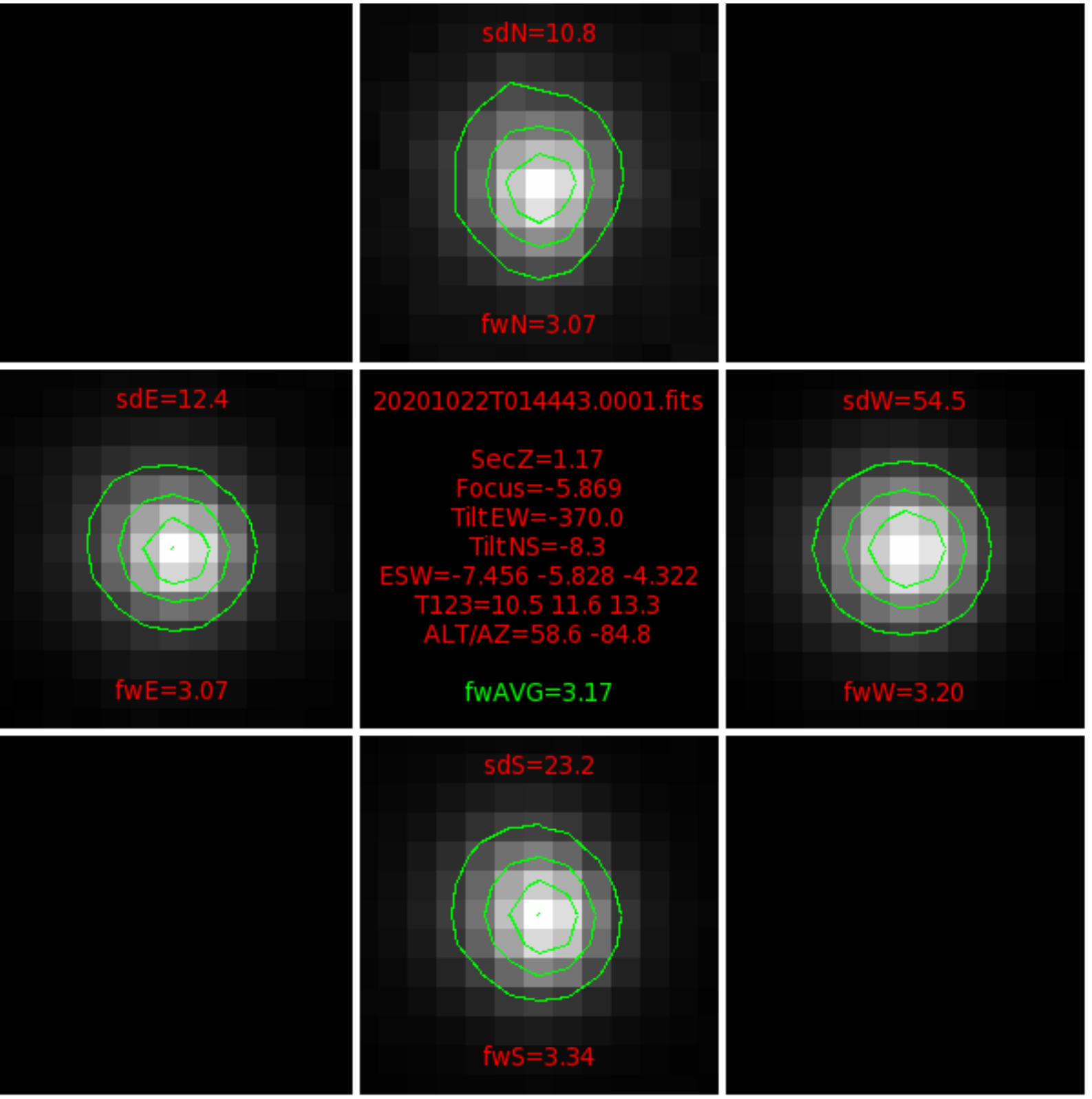
sdN=10.8
fwN=3.07
sdE=12.4
fwE=3.07
20201022T014443.0001.fits
SecZ=1.17
Focus=-5.869
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.456 -5.828 -4.322
T123=10.5 11.6 13.3
ALT/AZ=58.6 -84.8
fwAVG=3.17
sdW=54.5
fwW=3.20
sdS=23.2
fwS=3.34
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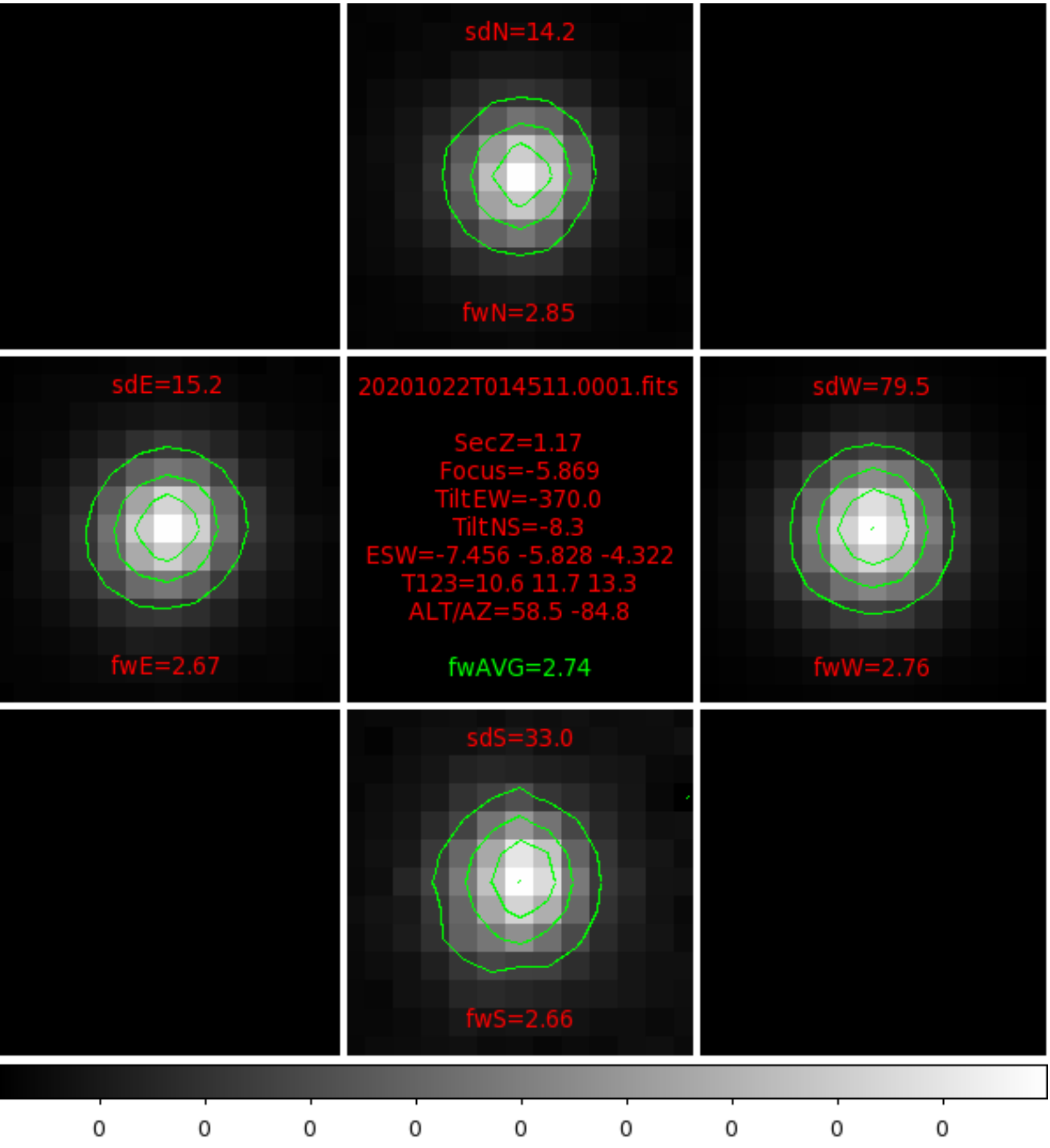
sdN=14.2
fwN=2.85
sdE=15.2
fwE=2.67
20201022T014511.0001.fits
SecZ=1.17
Focus=-5.869
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.456 -5.828 -4.322
T123=10.6 11.7 13.3
ALT/AZ=58.5 -84.8
fwAVG=2.74
sdW=79.5
fwW=2.76
sdS=33.0
fwS=2.66
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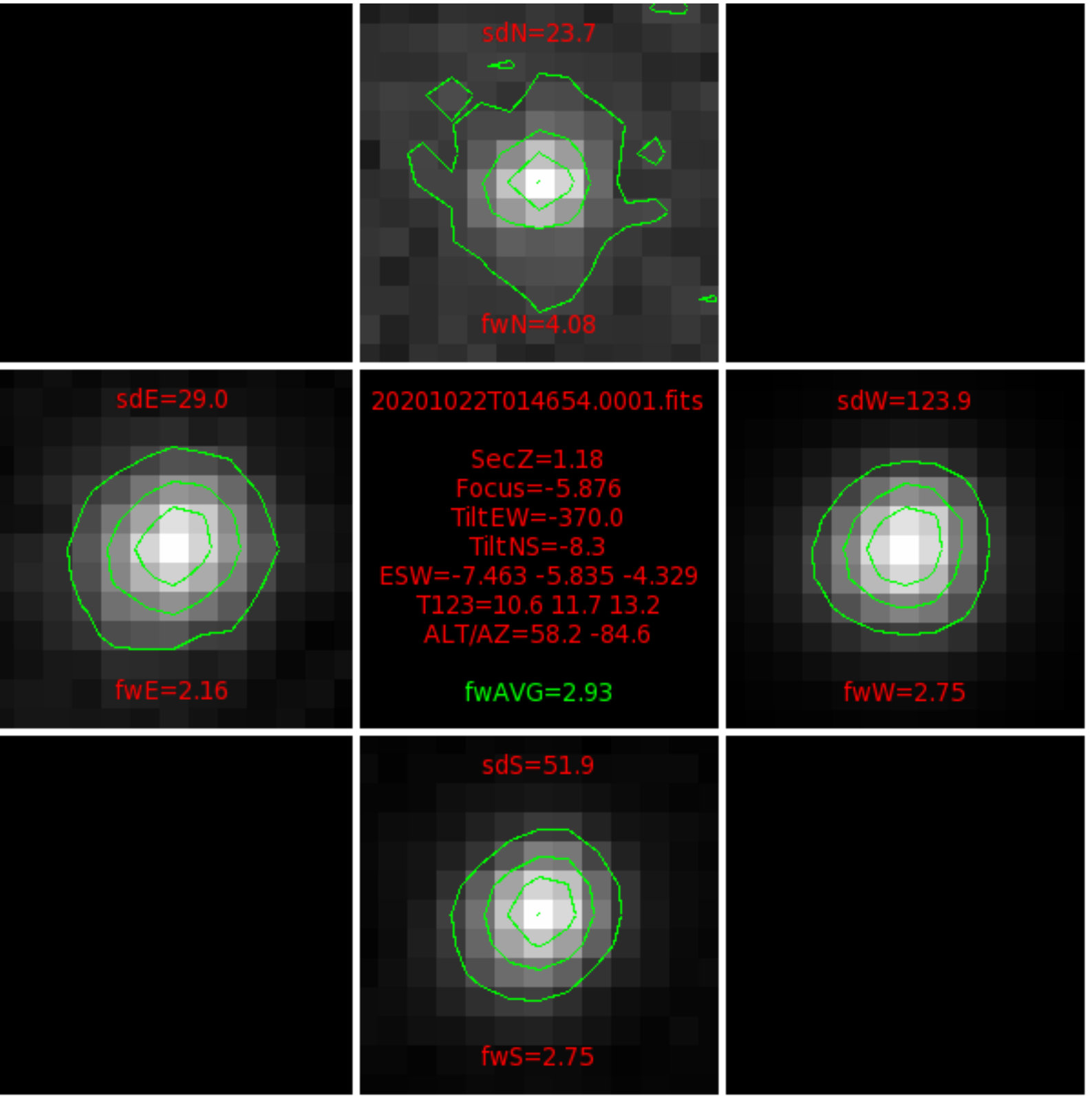
sdN=23.7
fwN=4.08
sdE=29.0
fwE=2.16
20201022T014654.0001.fits
SecZ=1.18
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=10.6 11.7 13.2
ALT/AZ=58.2 -84.6
fwAVG=2.93
sdW=123.9
fwW=2.75
sdS=51.9
fwS=2.75
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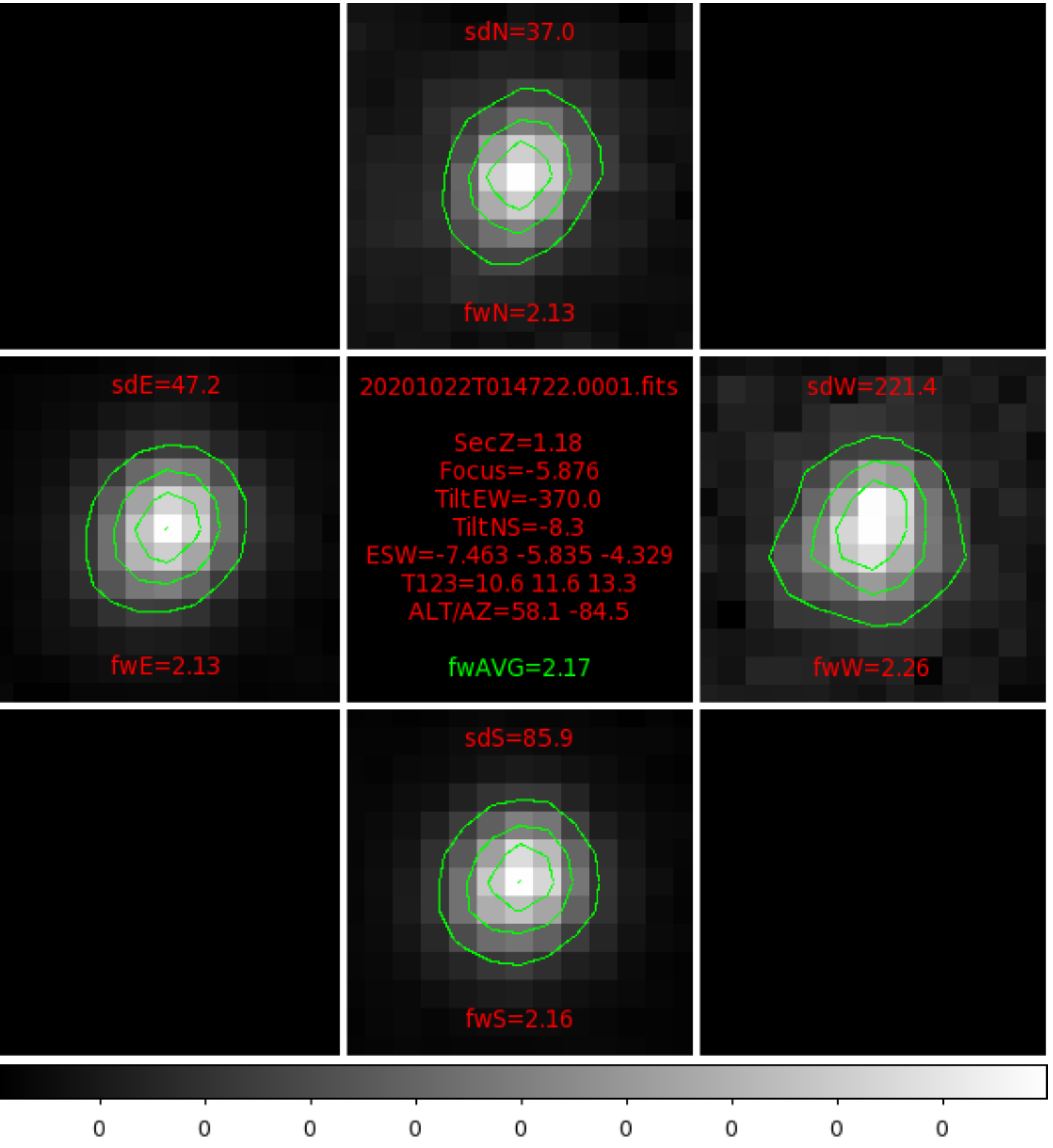
sdN=37.0
fwN=2.13
sdE=47.2
fwE=2.13
20201022T014722.0001.fits
SecZ=1.18
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=10.6 11.6 13.3
ALT/AZ=58.1 -84.5
fwAVG=2.17
sdW=221.4
fwW=2.26
sdS=85.9
fwS=2.16
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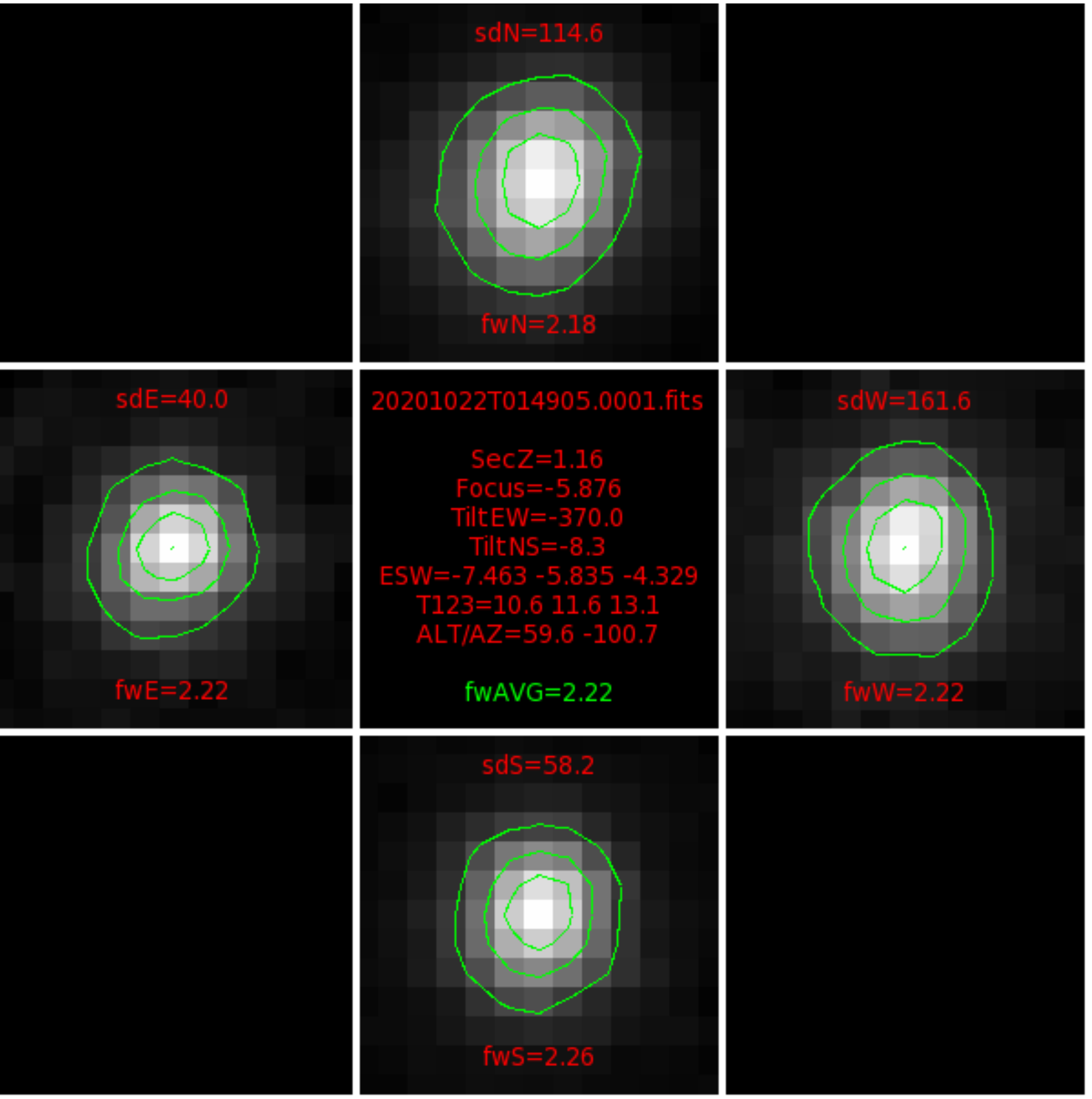
sdN=114.6
fwN=2.18
sdE=40.0
fwE=2.22
20201022T014905.0001.fits
SecZ=1.16
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=10.6 11.6 13.1
ALT/AZ=59.6 -100.7
fwAVG=2.22
sdW=161.6
fwW=2.22
sdS=58.2
fwS=2.26
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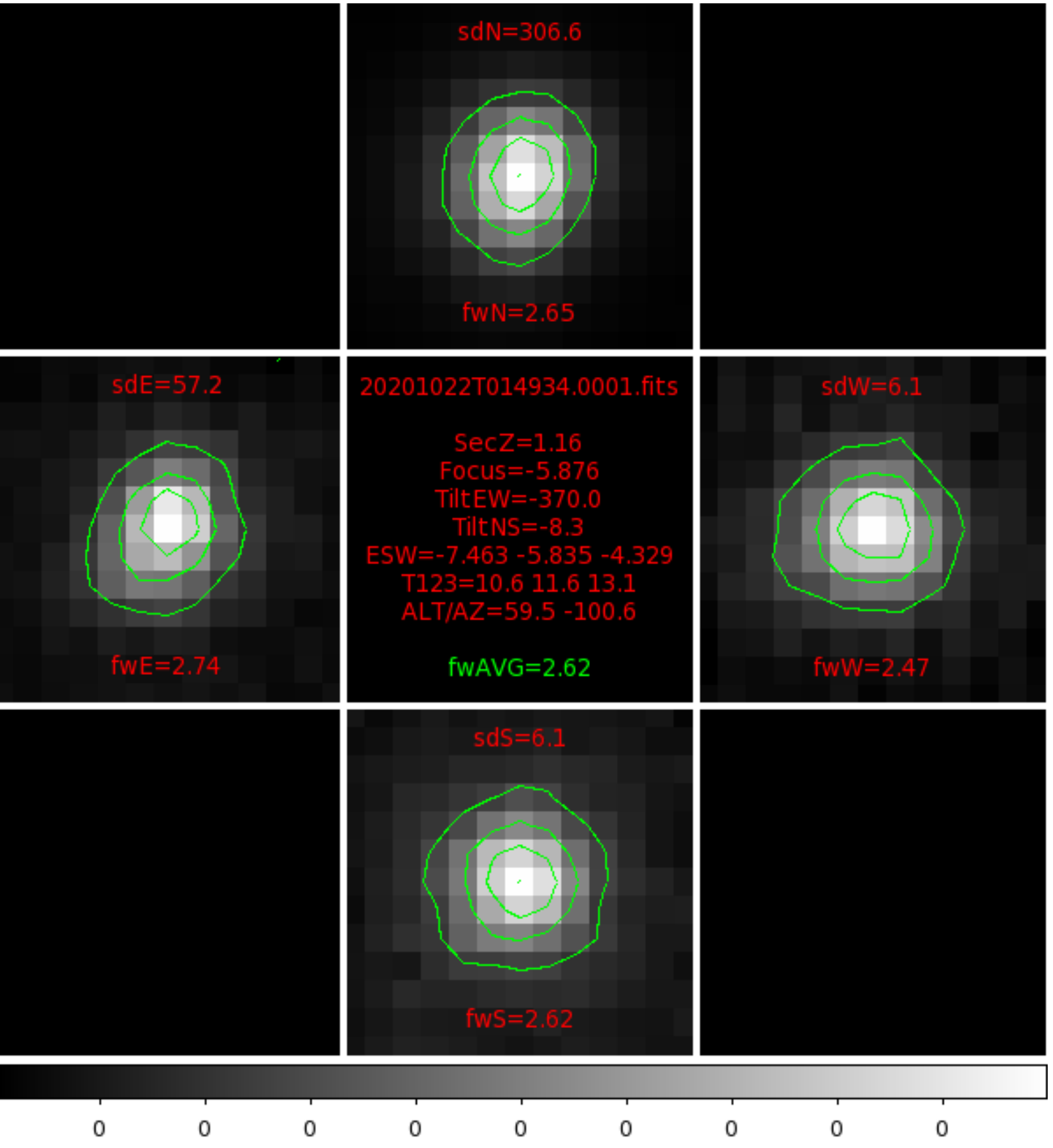
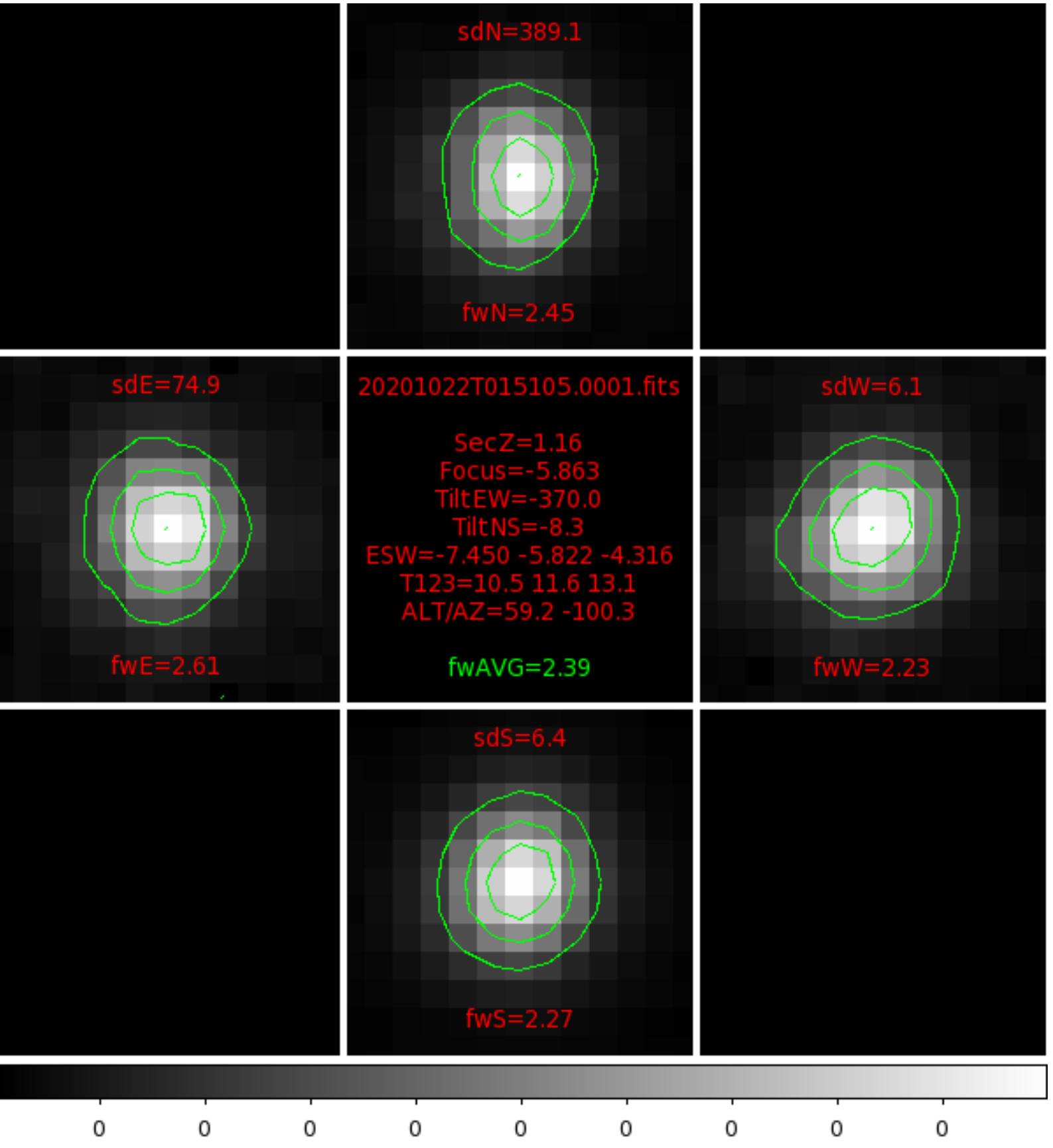

sdN=306.6
fwN=2.65
sdE=57.2
fwE=2.74
20201022T014934.0001.fits
SecZ=1.16
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=10.6 11.6 13.1
ALT/AZ=59.5 -100.6
fwAVG=2.62
sdW=6.1
fwW=2.47
sdS=6.1
fwS=2.62
0 0 0 0 0 0 0 0 0


sdN=389.1
fwN=2.45
sdE=74.9
fwE=2.61
20201022T015105.0001.fits
SecZ=1.16
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.5 11.6 13.1
ALT/AZ=59.2 -100.3
fwAVG=2.39
sdW=6.1
fwW=2.23
sdS=6.4
fwS=2.27
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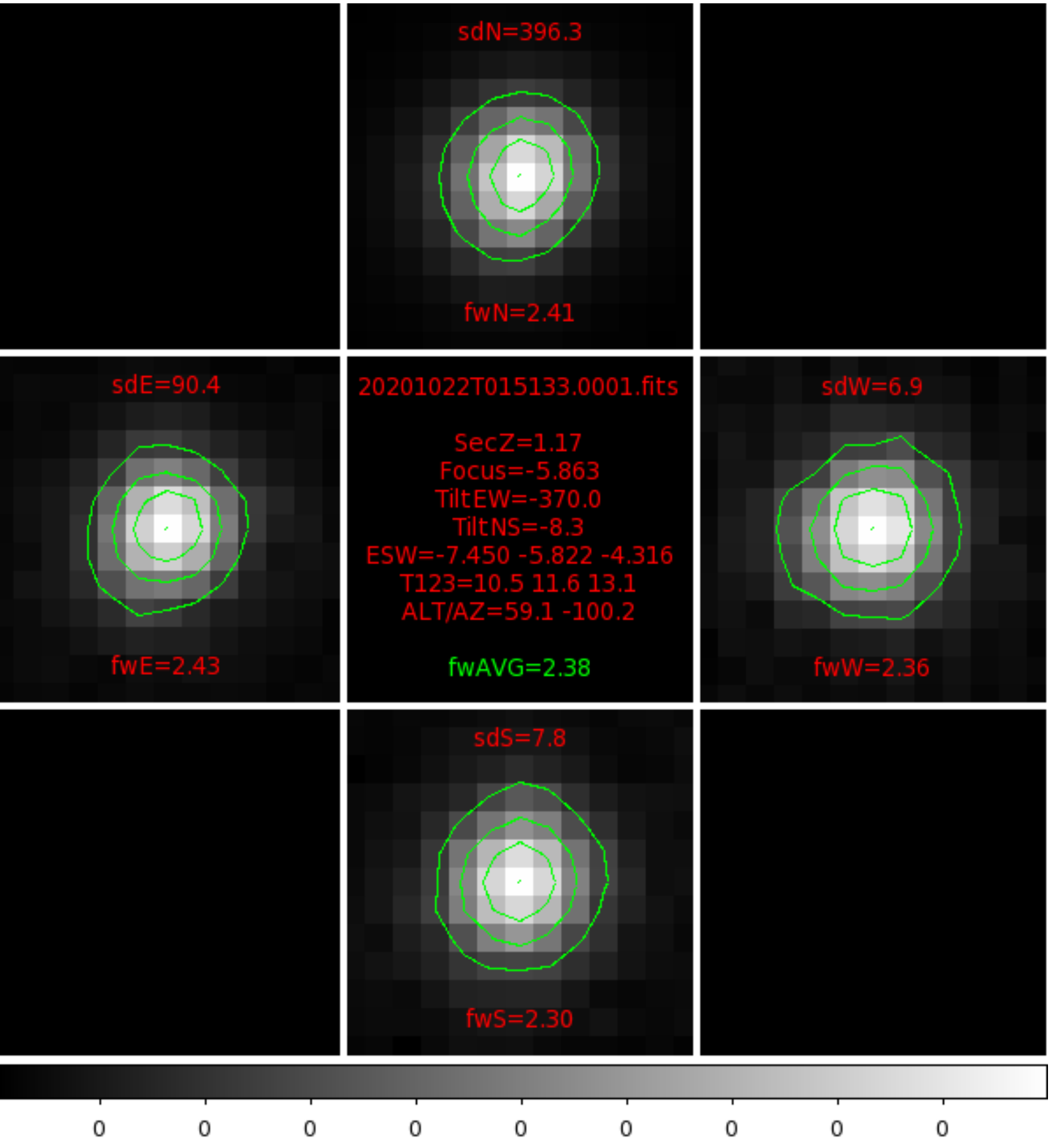
sdN=396.3
fwN=2.41
sdE=90.4
fwE=2.43
20201022T015133.0001.fits
SecZ=1.17
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.5 11.6 13.1
ALT/AZ=59.1 -100.2
fwAVG=2.38
sdW=6.9
fwW=2.36
sdS=7.8
fwS=2.30
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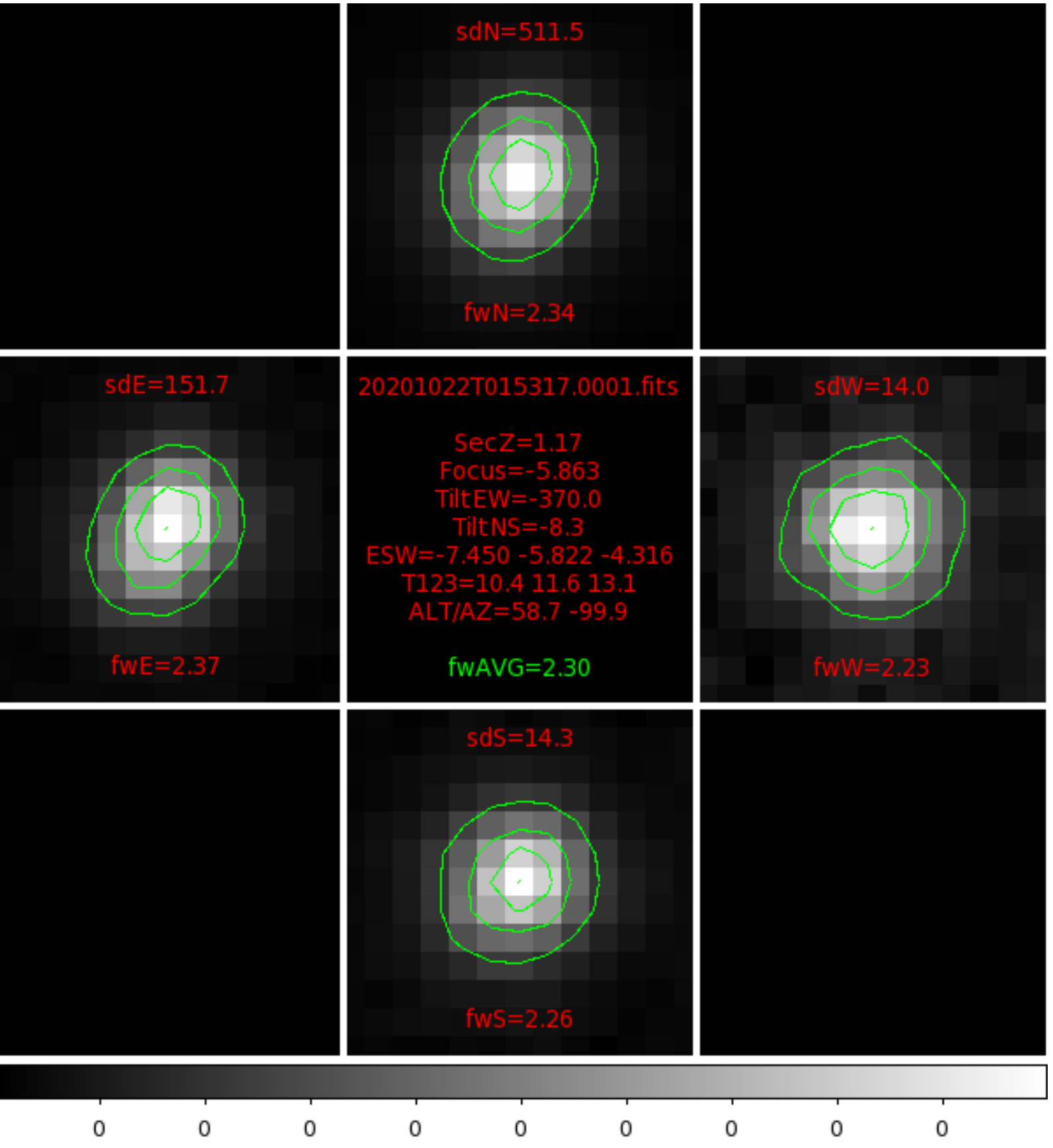
sdN=511.5
fwN=2.34
sdE=151.7
fwE=2.37
20201022T015317.0001.fits
SecZ=1.17
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.4 11.6 13.1
ALT/AZ=58.7 -99.9
fwAVG=2.30
sdW=14.0
fwW=2.23
sdS=14.3
fwS=2.26
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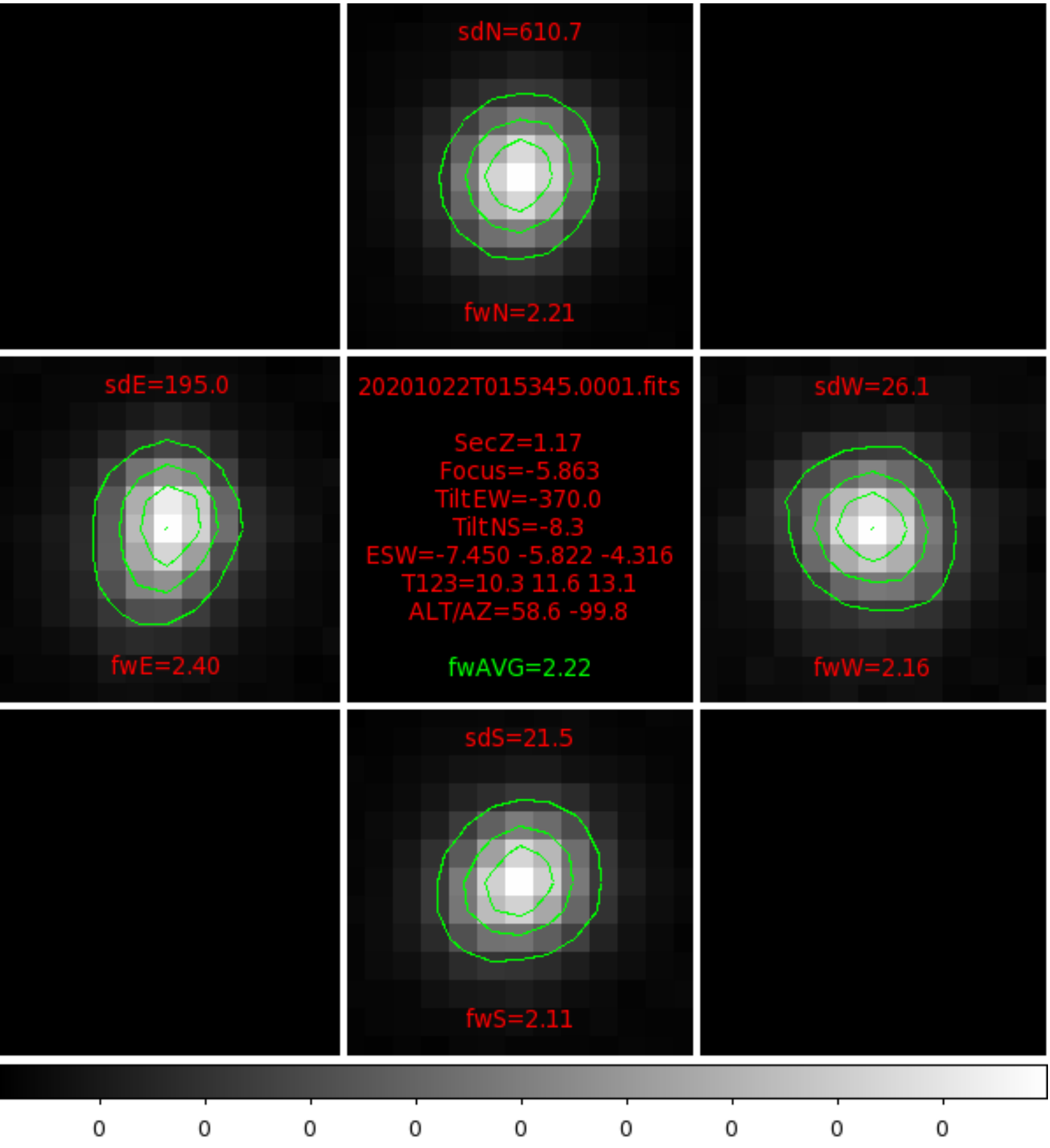
sdN=610.7
fwN=2.21
sdE=195.0
fwE=2.40
20201022T015345.0001.fits
SecZ=1.17
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.3 11.6 13.1
ALT/AZ=58.6 -99.8
fwAVG=2.22
sdW=26.1
fwW=2.16
sdS=21.5
fwS=2.11
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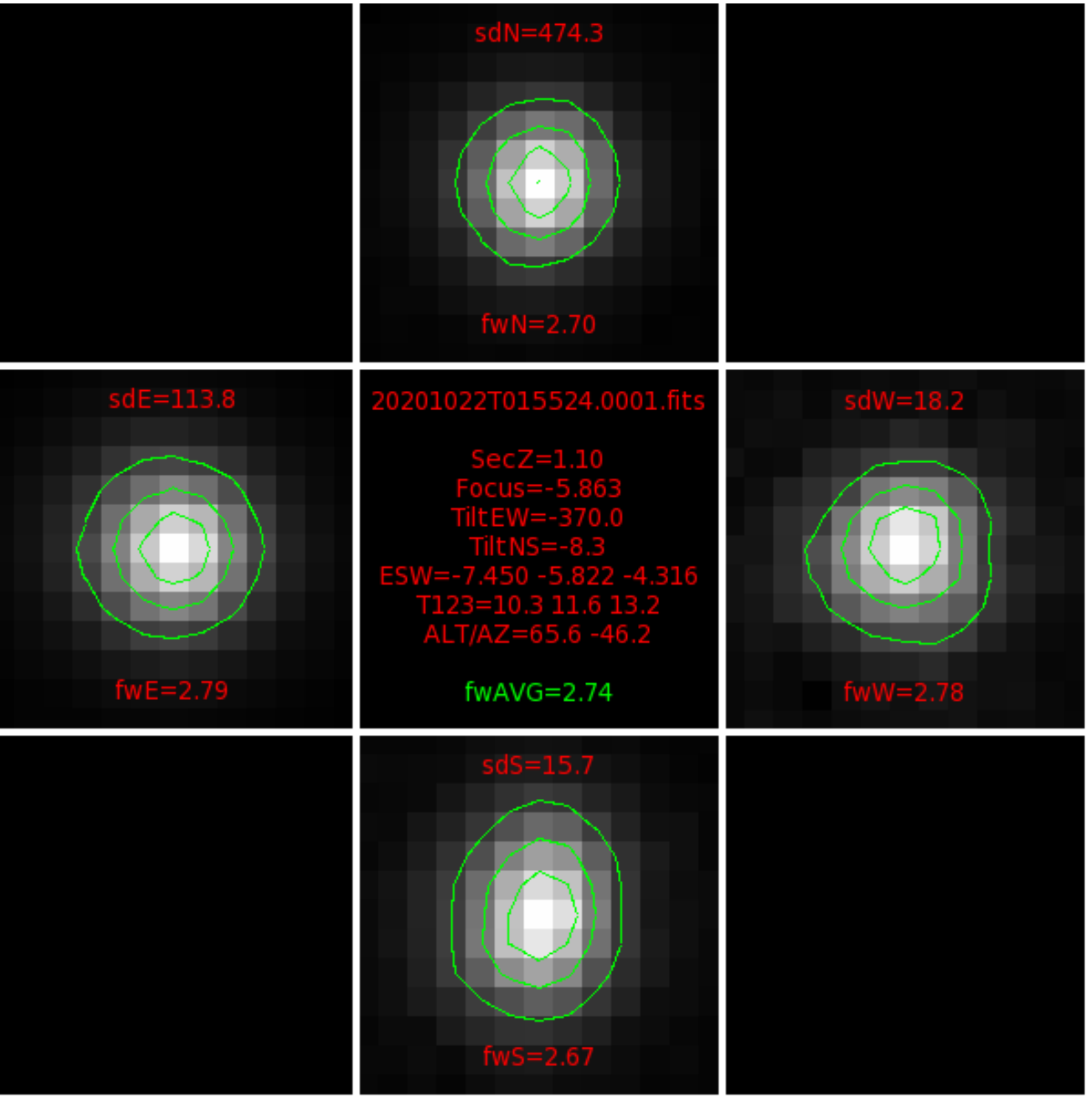
sdN=474.3
fwN=2.70
sdE=113.8
fwE=2.79
20201022T015524.0001.fits
SecZ=1.10
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.3 11.6 13.2
ALT/AZ=65.6 -46.2
fwAVG=2.74
sdW=18.2
fwW=2.78
sdS=15.7
fwS=2.67
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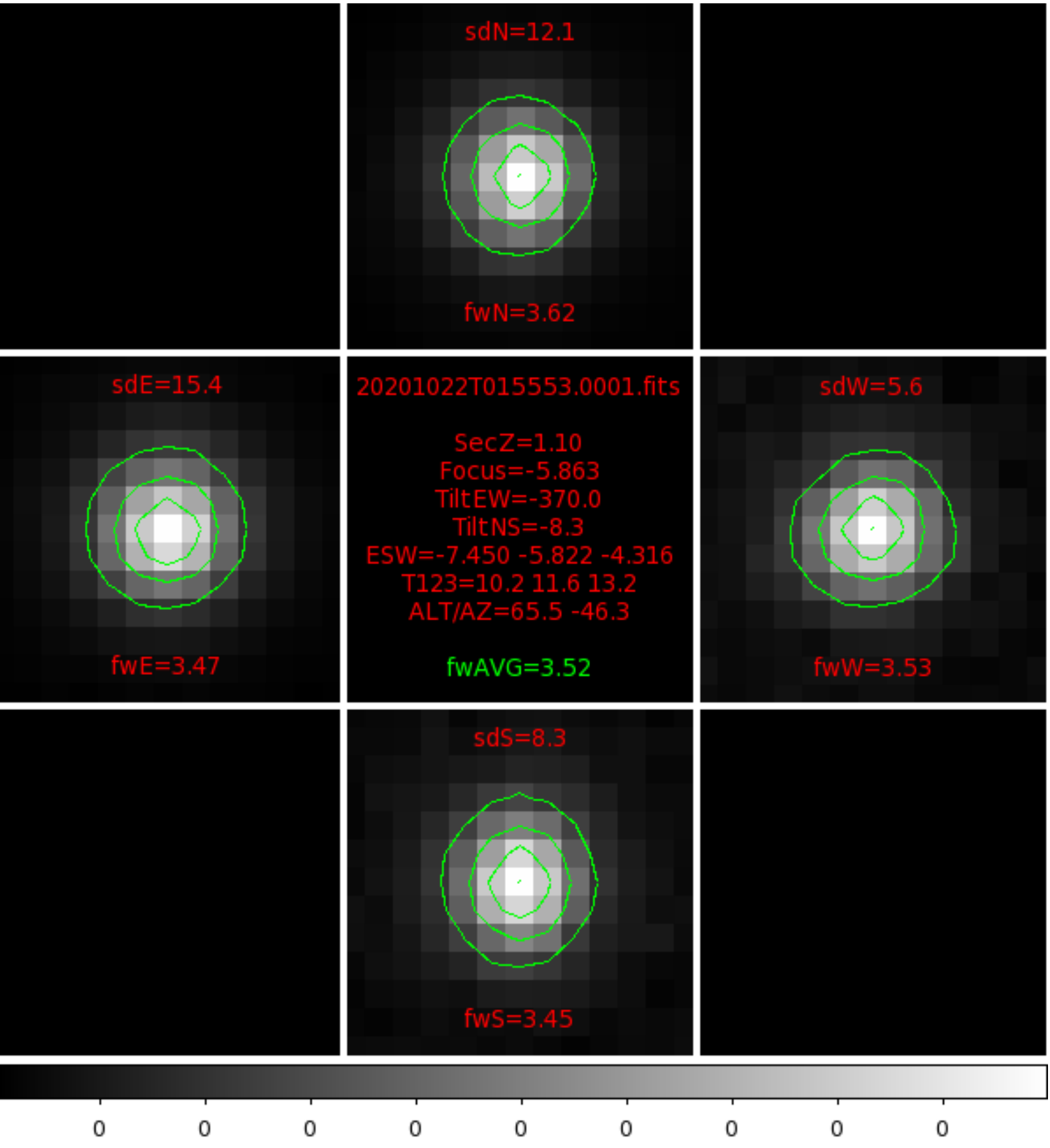
sdN=12.1
fwN=3.62
sdE=15.4
fwE=3.47
20201022T015553.0001.fits
SecZ=1.10
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.2 11.6 13.2
ALT/AZ=65.5 -46.3
fwAVG=3.52
sdW=5.6
fwW=3.53
sdS=8.3
fwS=3.45
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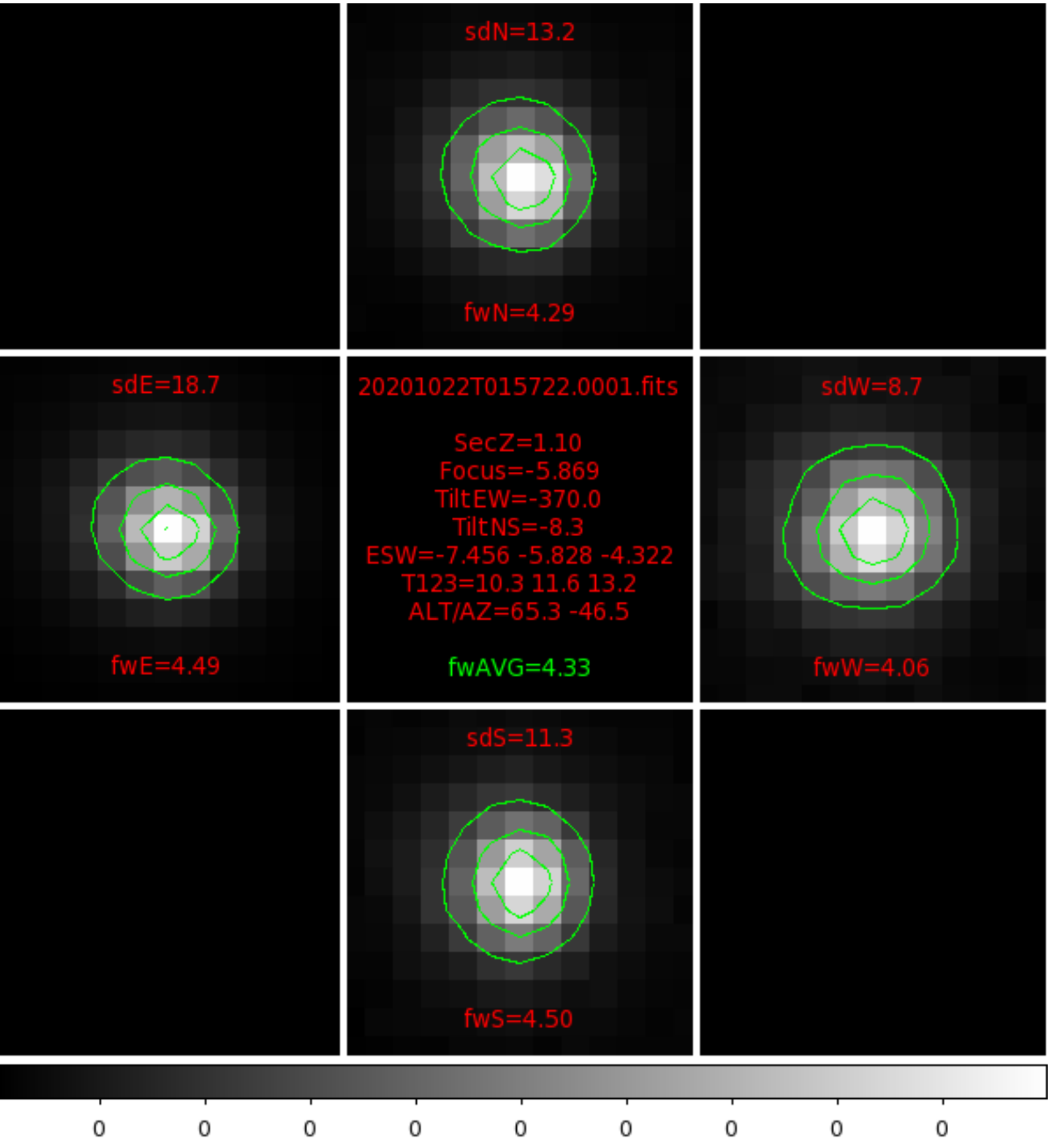
sdN=13.2
fwN=4.29
sdE=18.7
fwE=4.49
20201022T015722.0001.fits
SecZ=1.10
Focus=-5.869
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.456 -5.828 -4.322
T123=10.3 11.6 13.2
ALT/AZ=65.3 -46.5
fwAVG=4.33
sdW=8.7
fwW=4.06
sdS=11.3
fwS=4.50
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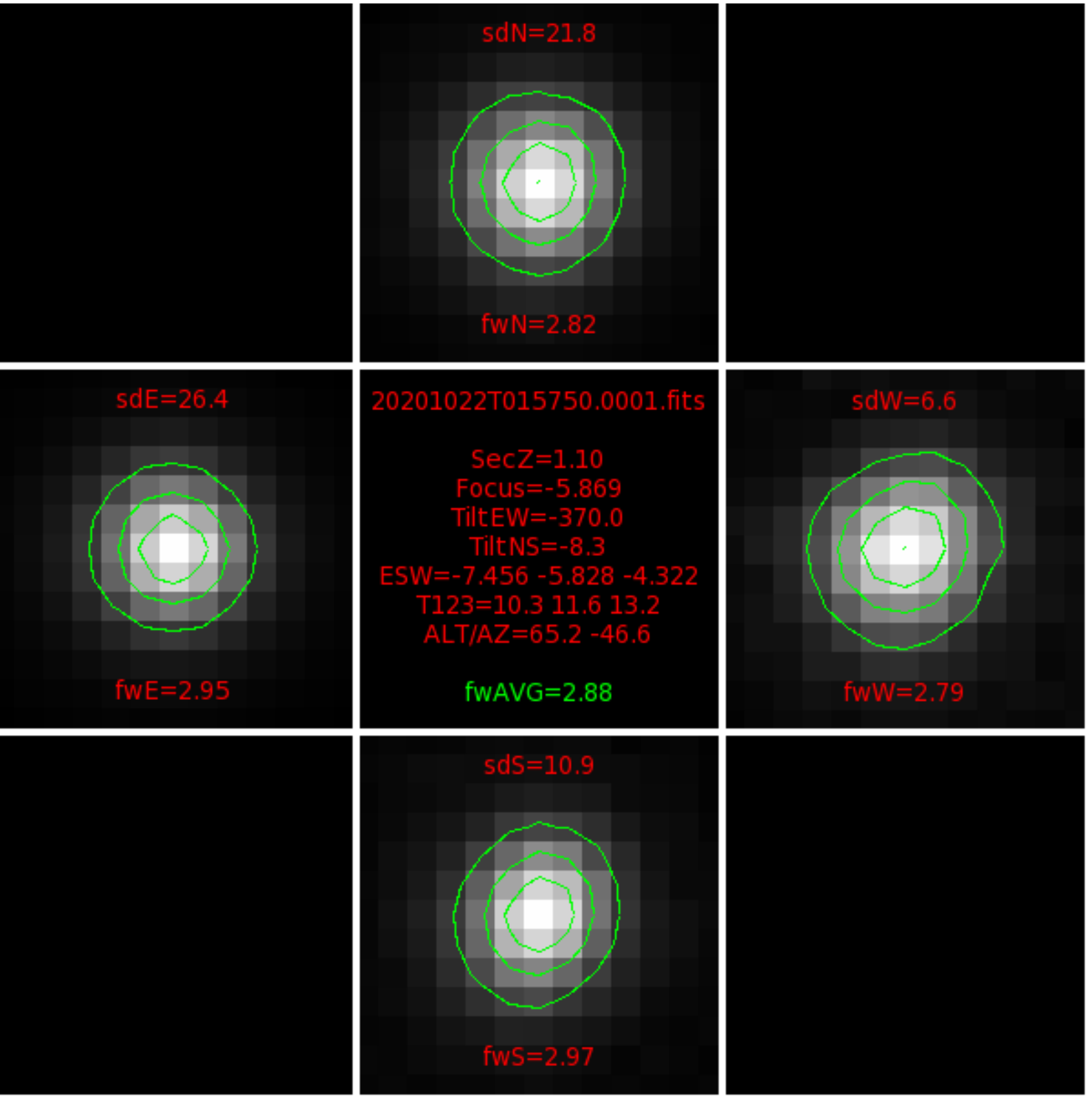
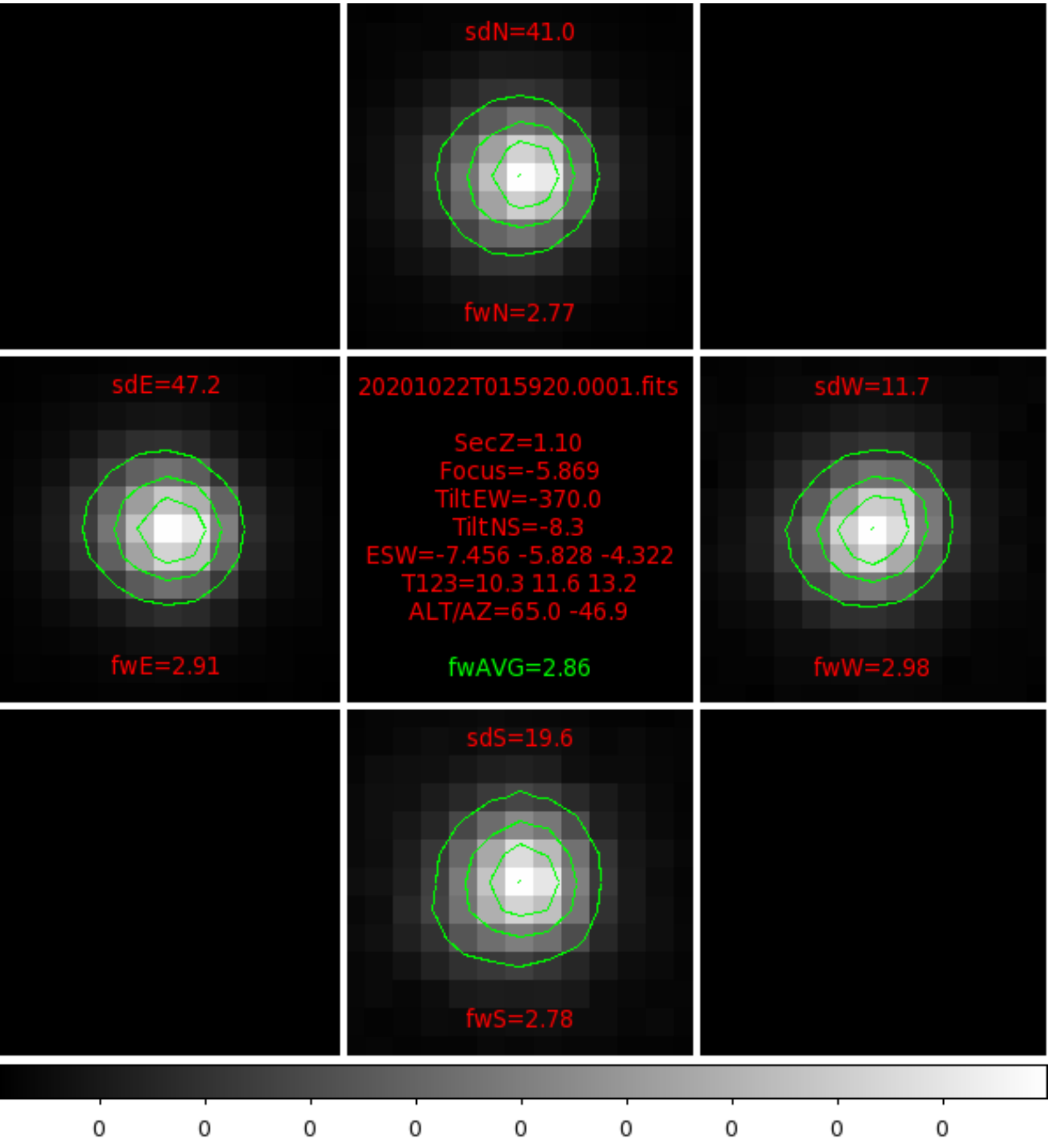

sdN=21.8
fwN=2.82
sdE=26.4
fwE=2.95
20201022T015750.0001.fits
SecZ=1.10
Focus=-5.869
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.456 -5.828 -4.322
T123=10.3 11.6 13.2
ALT/AZ=65.2 -46.6
fwAVG=2.88
sdW=6.6
fwW=2.79
sdS=10.9
fwS=2.97
0 0 0 0 0 0 0 0 0


sdN=41.0
fwN=2.77
sdE=47.2
fwE=2.91
20201022T015920.0001.fits
SecZ=1.10
Focus=-5.869
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.456 -5.828 -4.322
T123=10.3 11.6 13.2
ALT/AZ=65.0 -46.9
fwAVG=2.86
sdW=11.7
fwW=2.98
sdS=19.6
fwS=2.78
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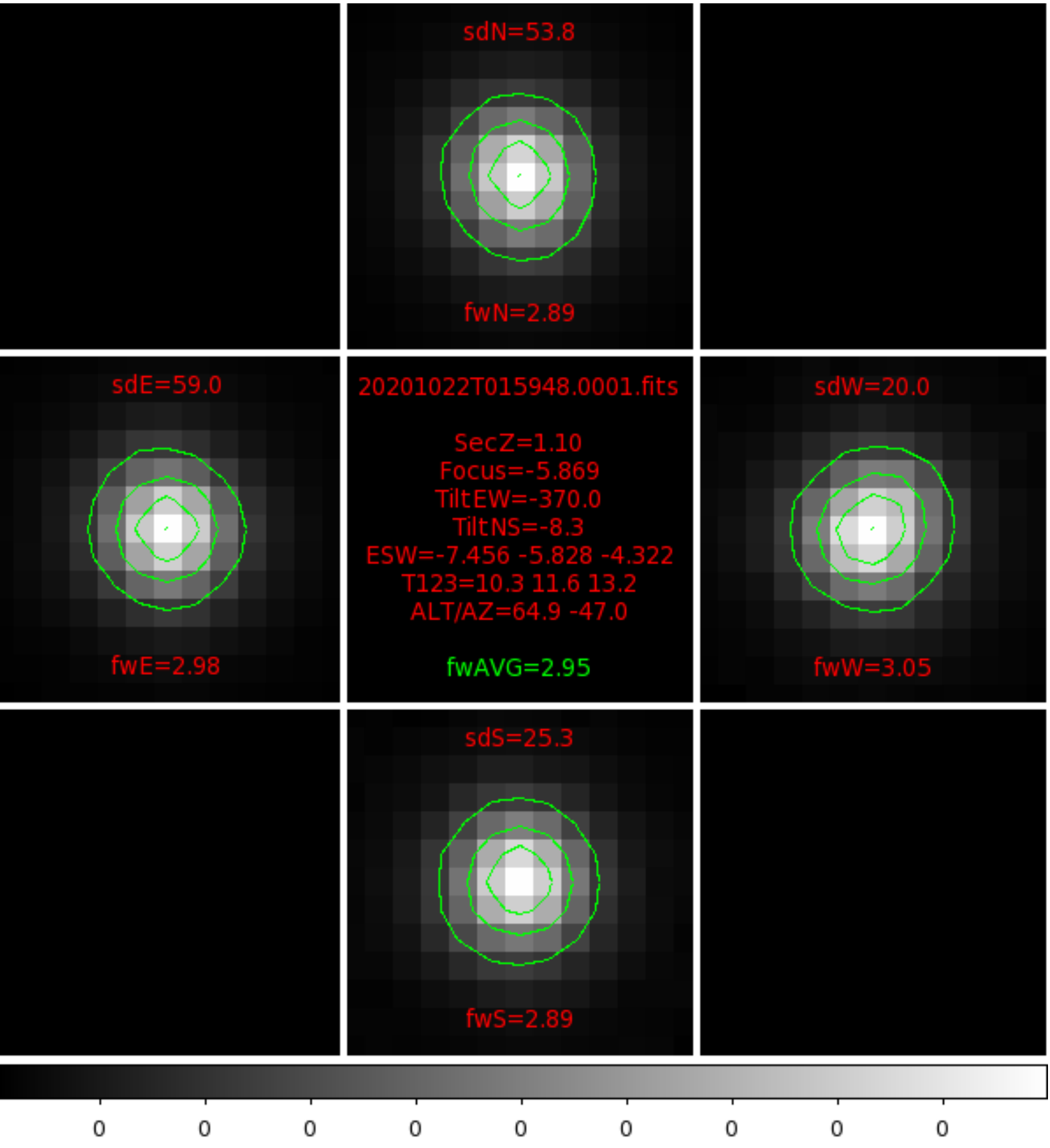
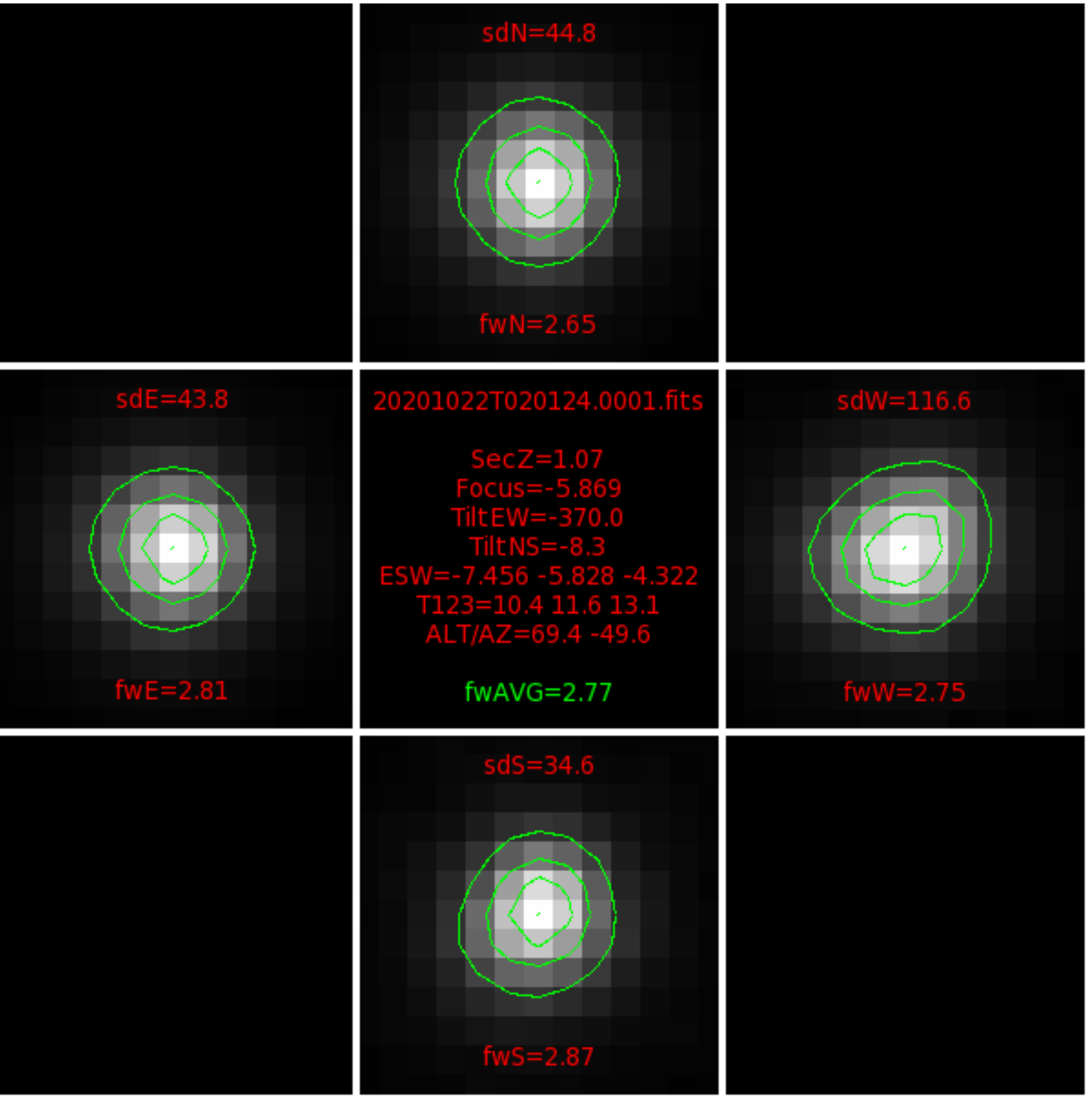

sdN=53.8
fwN=2.89
sdE=59.0
fwE=2.98
20201022T015948.0001.fits
SecZ=1.10
Focus=-5.869
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.456 -5.828 -4.322
T123=10.3 11.6 13.2
ALT/AZ=64.9 -47.0
fwAVG=2.95
sdW=20.0
fwW=3.05
sdS=25.3
fwS=2.89
0 0 0 0 0 0 0 0 0


sdN=44.8
fwN=2.65
sdE=43.8
fwE=2.81
20201022T020124.0001.fits
SecZ=1.07
Focus=-5.869
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.456 -5.828 -4.322
T123=10.4 11.6 13.1
ALT/AZ=69.4 -49.6
fwAVG=2.77
sdW=116.6
fwW=2.75
sdS=34.6
fwS=2.87
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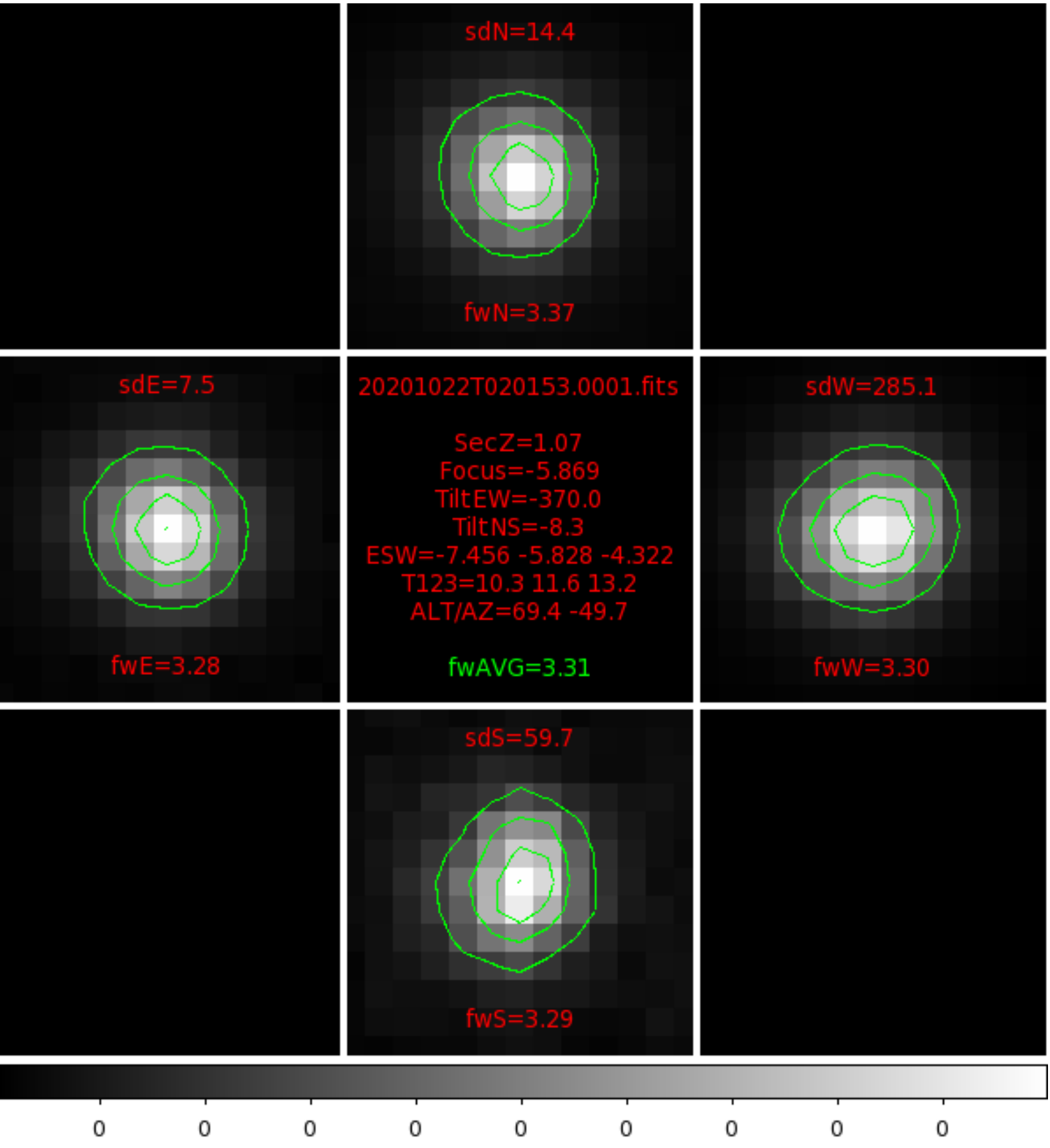
sdN=14.4
fwN=3.37
sdE=7.5
fwE=3.28
20201022T020153.0001.fits
SecZ=1.07
Focus=-5.869
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.456 -5.828 -4.322
T123=10.3 11.6 13.2
ALT/AZ=69.4 -49.7
fwAVG=3.31
sdW=285.1
fwW=3.30
sdS=59.7
fwS=3.29
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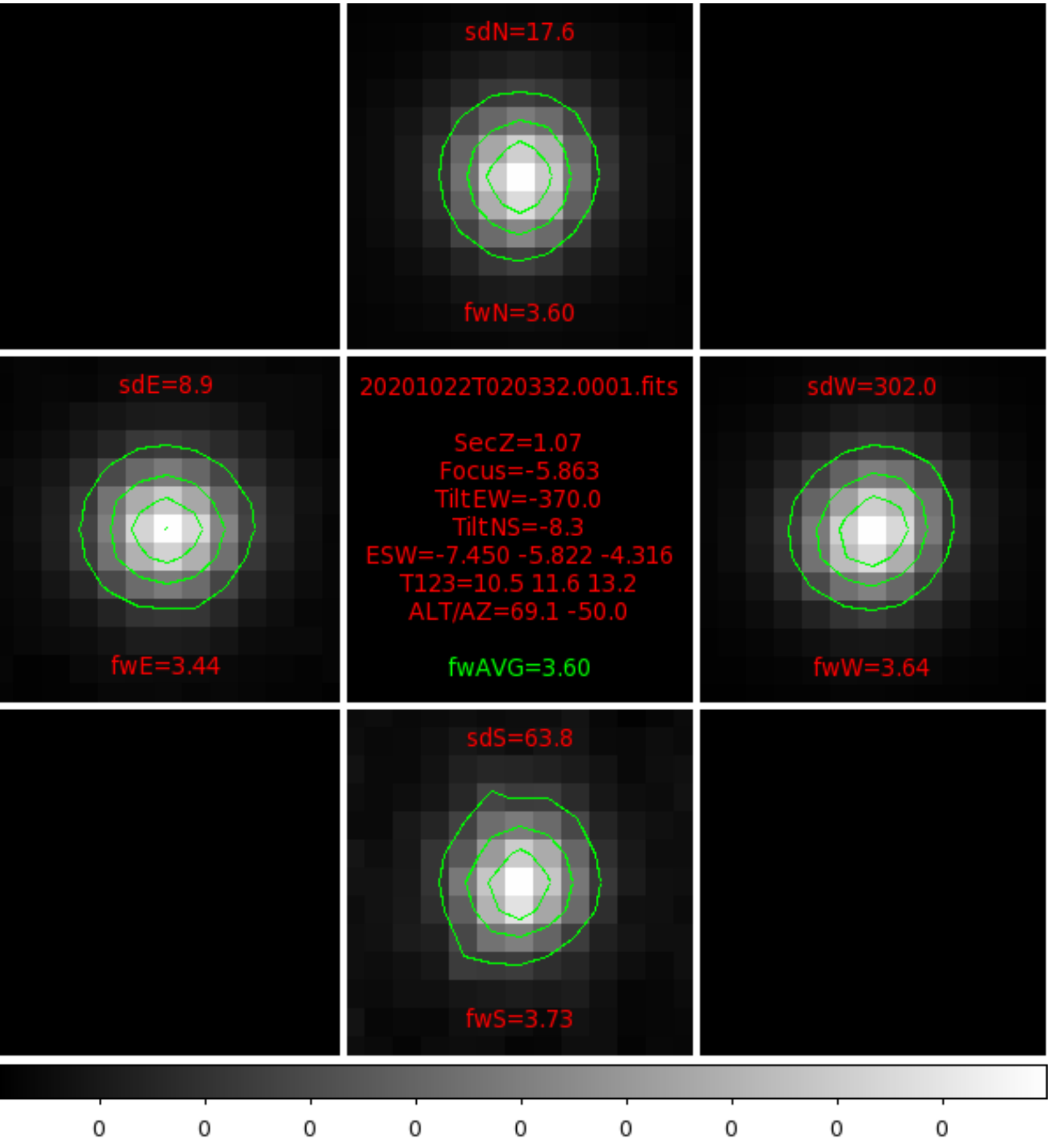
sdN=17.6
fwN=3.60
sdE=8.9
fwE=3.44
20201022T020332.0001.fits
SecZ=1.07
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.5 11.6 13.2
ALT/AZ=69.1 -50.0
fwAVG=3.60
sdW=302.0
fwW=3.64
sdS=63.8
fwS=3.73
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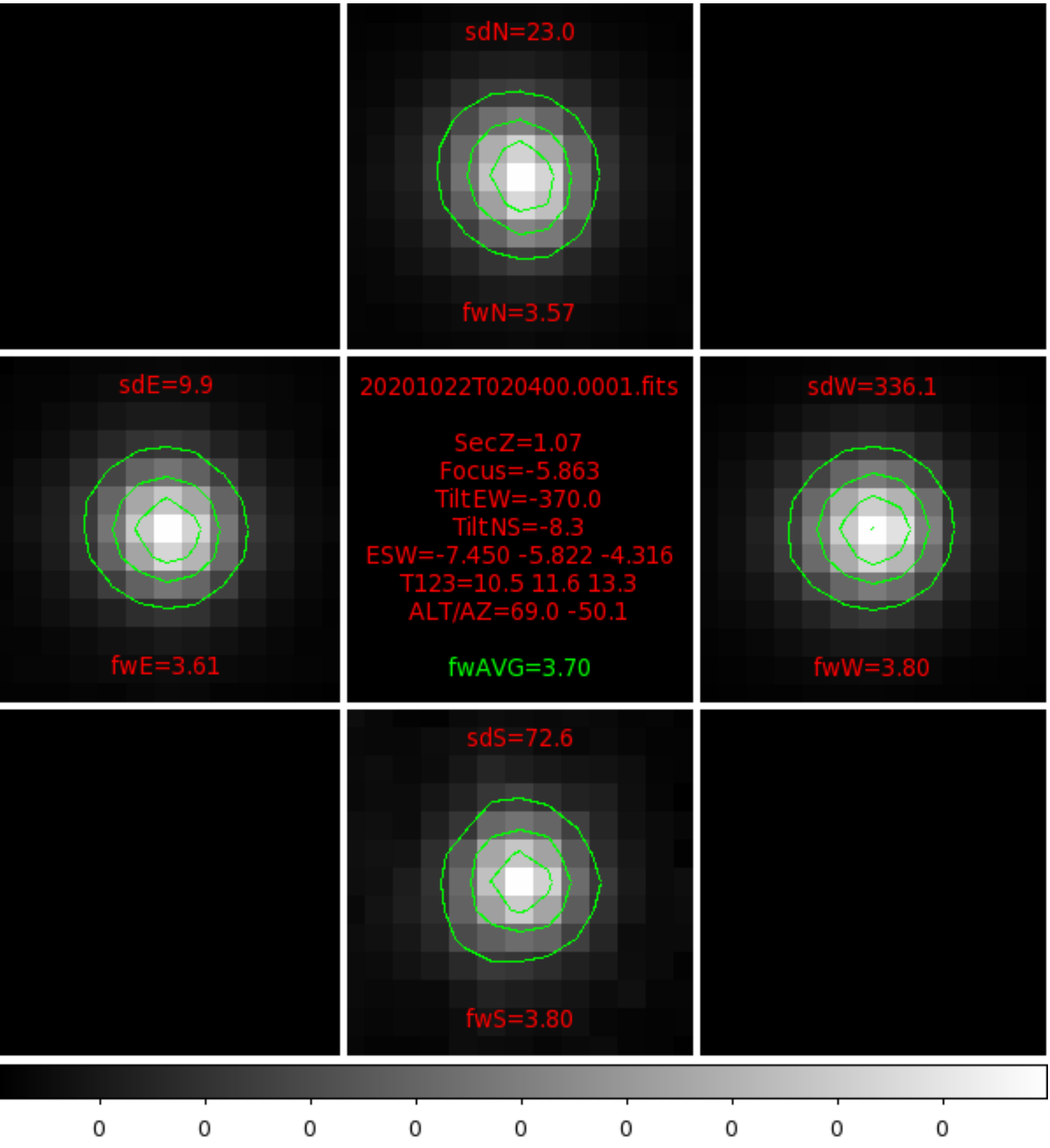
sdN=23.0
fwN=3.57
sdE=9.9
fwE=3.61
20201022T020400.0001.fits
SecZ=1.07
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.5 11.6 13.3
ALT/AZ=69.0 -50.1
fwAVG=3.70
sdW=336.1
fwW=3.80
sdS=72.6
fwS=3.80
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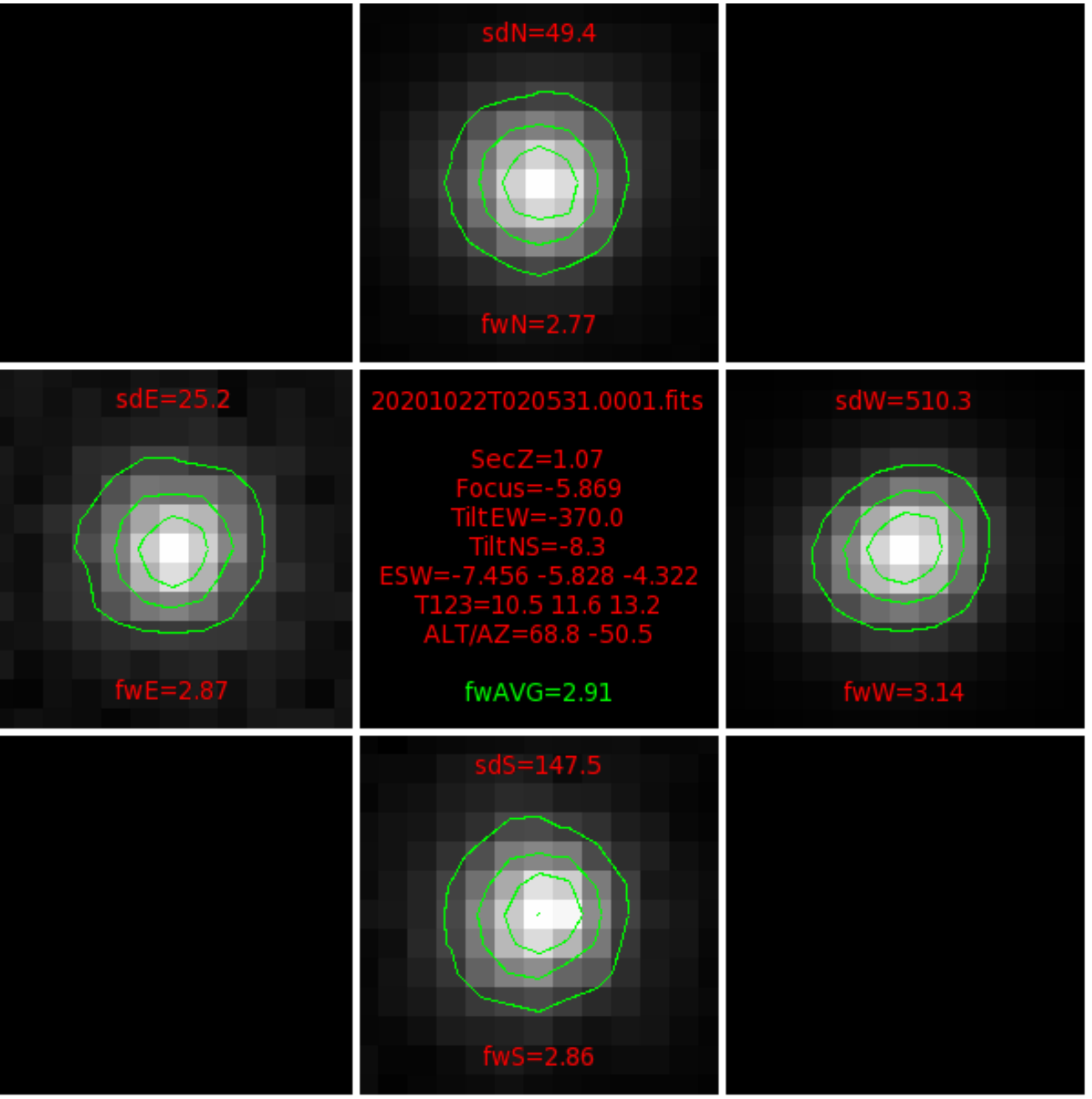
sdN=49.4
fwN=2.77
sdE=25.2
fwE=2.87
20201022T020531.0001.fits
SecZ=1.07
Focus=-5.869
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.456 -5.828 -4.322
T123=10.5 11.6 13.2
ALT/AZ=68.8 -50.5
fwAVG=2.91
sdW=510.3
fwW=3.14
sdS=147.5
fwS=2.86
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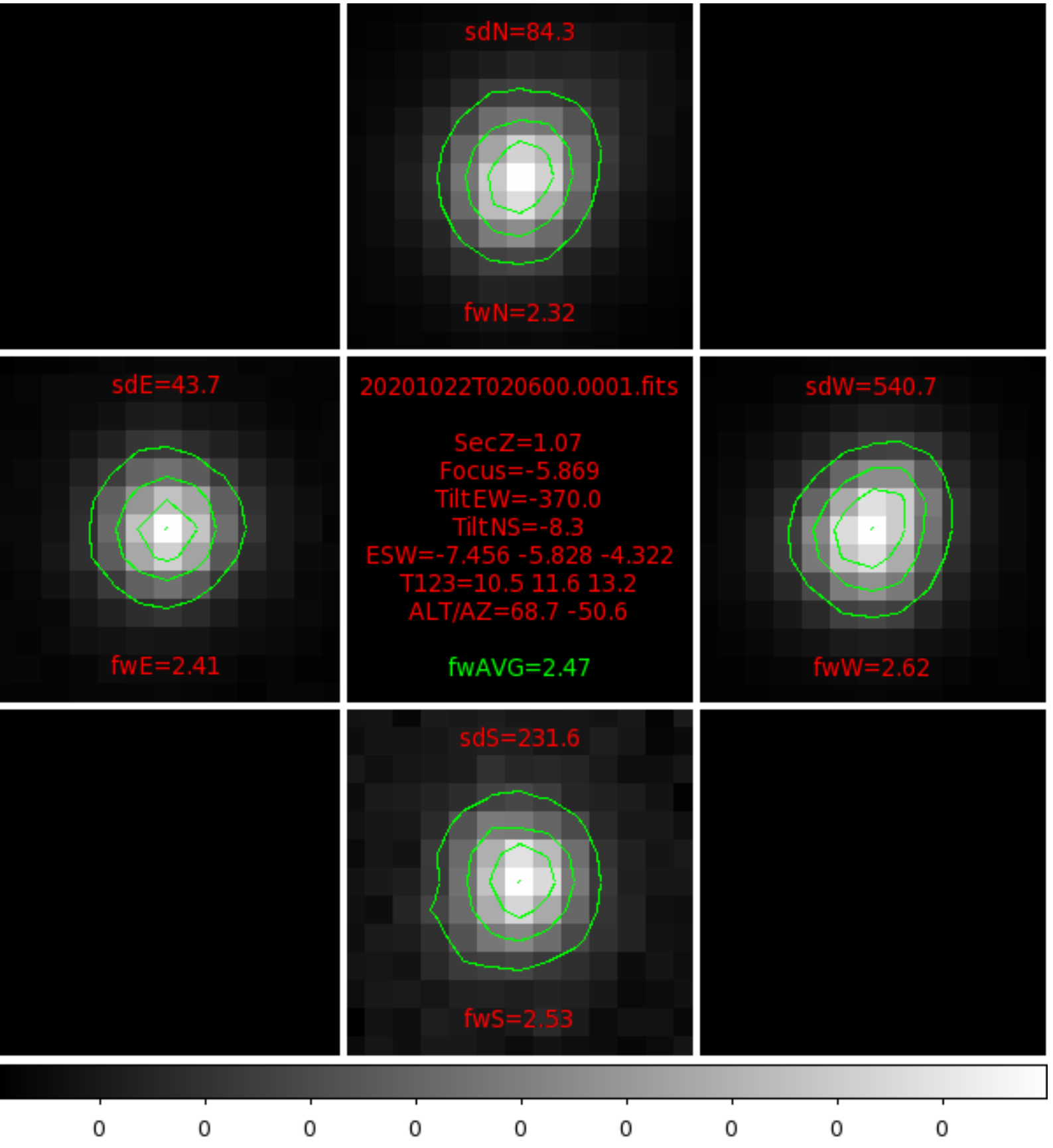
sdN=84.3
fwN=2.32
sdE=43.7
fwE=2.41
20201022T020600.0001.fits
SecZ=1.07
Focus=-5.869
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.456 -5.828 -4.322
T123=10.5 11.6 13.2
ALT/AZ=68.7 -50.6
fwAVG=2.47
sdW=540.7
fwW=2.62
sdS=231.6
fwS=2.53
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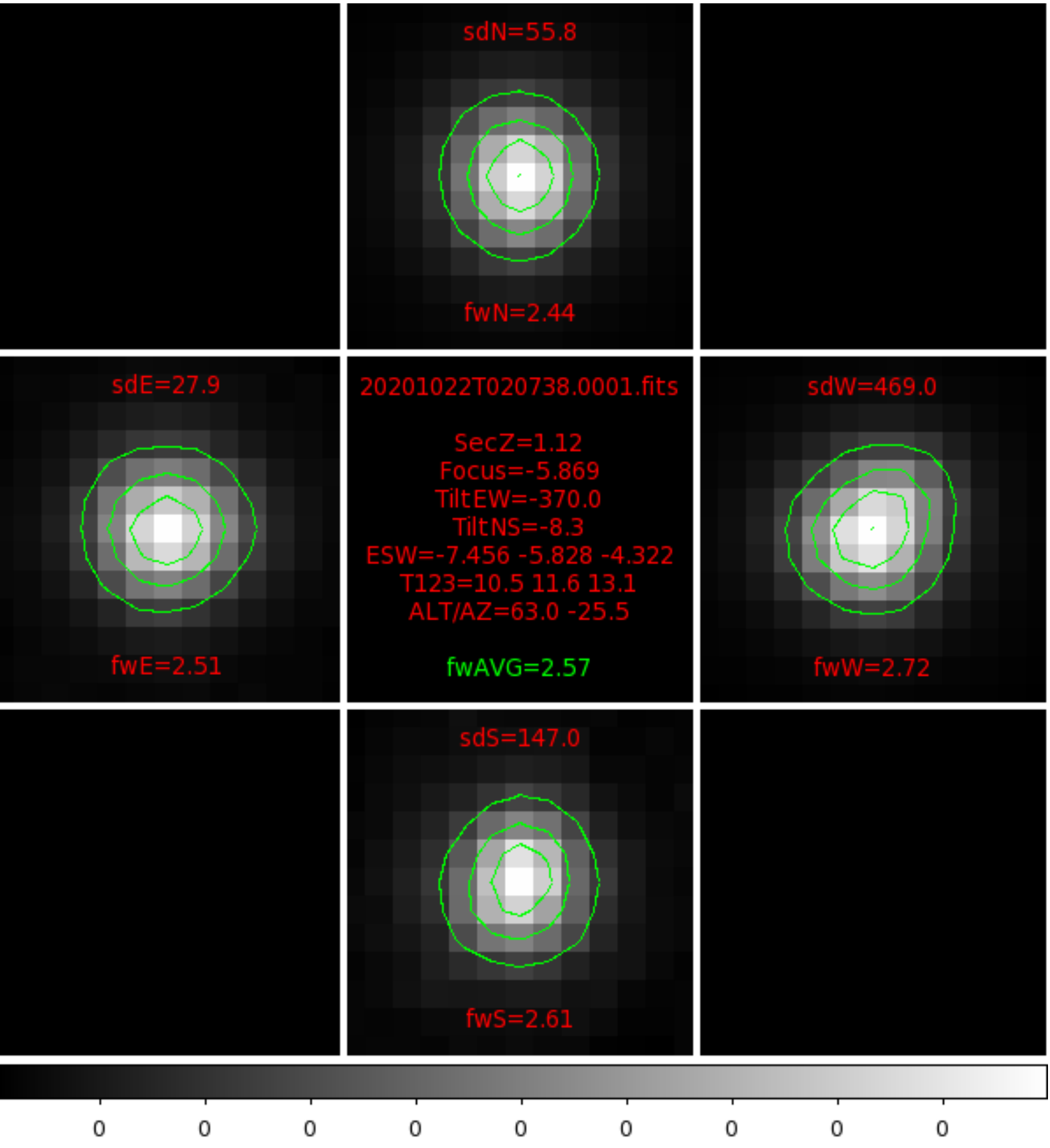
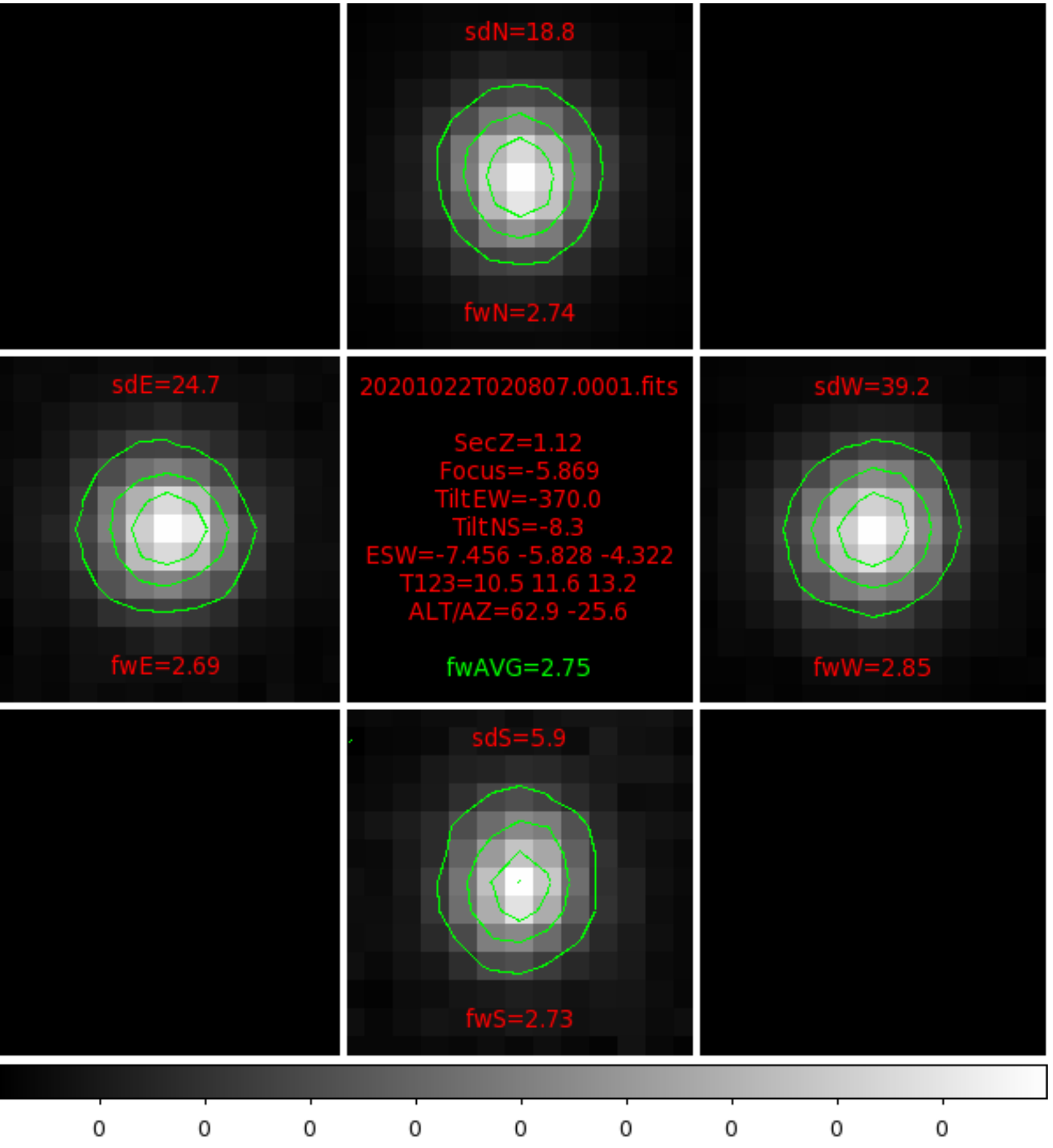
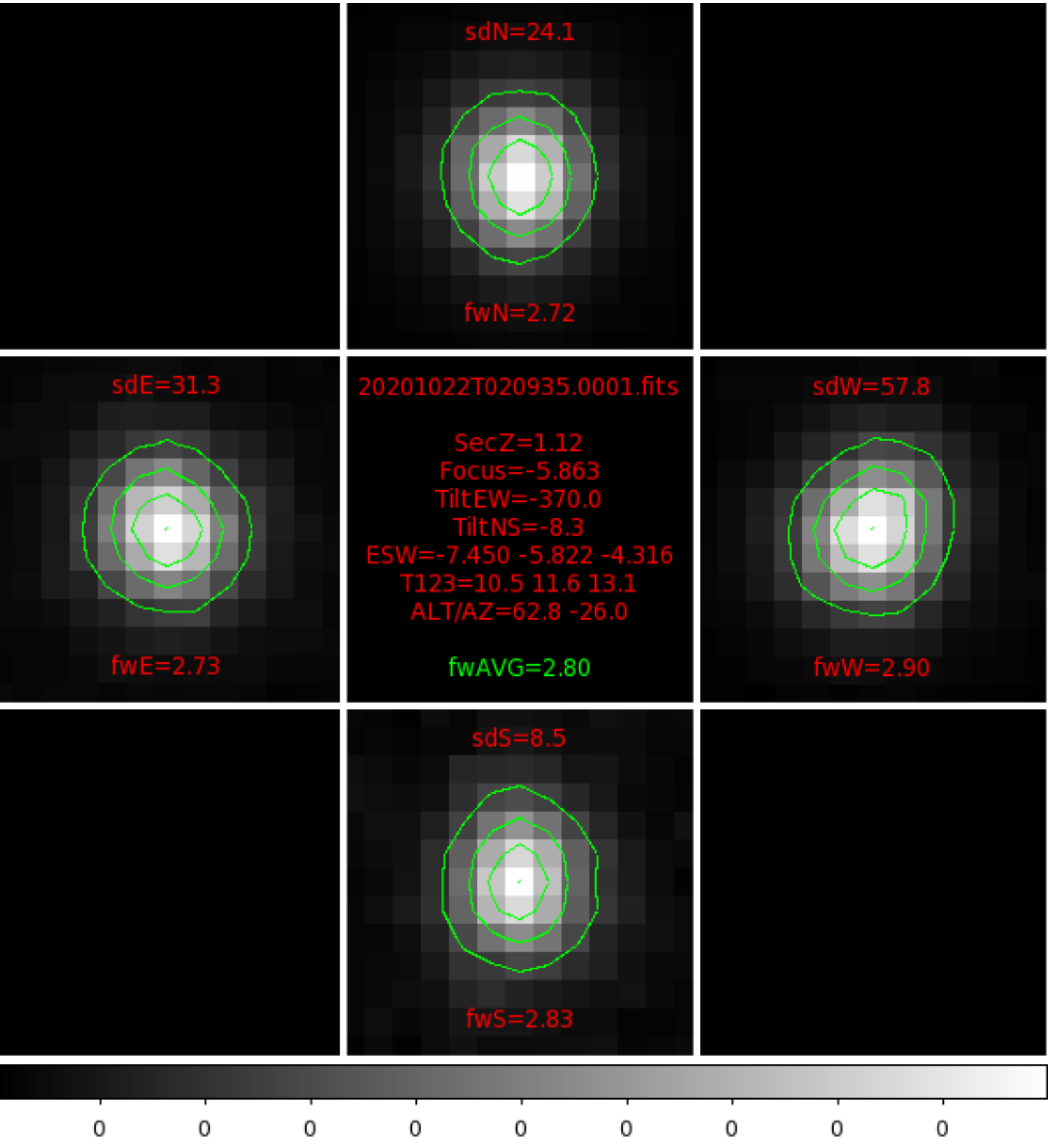

sdN=55.8
fwN=2.44
sdE=27.9
fwE=2.51
20201022T020738.0001.fits
SecZ=1.12
Focus=-5.869
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.456 -5.828 -4.322
T123=10.5 11.6 13.1
ALT/AZ=63.0 -25.5
fwAVG=2.57
sdW=469.0
fwW=2.72
sdS=147.0
fwS=2.61
0 0 0 0 0 0 0 0 0


sdN=18.8
fwN=2.74
sdE=24.7
fwE=2.69
20201022T020807.0001.fits
SecZ=1.12
Focus=-5.869
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.456 -5.828 -4.322
T123=10.5 11.6 13.2
ALT/AZ=62.9 -25.6
fwAVG=2.75
sdW=39.2
fwW=2.85
sdS=5.9
fwS=2.73
0 0 0 0 0 0 0 0 0


sdN=24.1
fwN=2.72
sdE=31.3
fwE=2.73
20201022T020935.0001.fits
SecZ=1.12
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.5 11.6 13.1
ALT/AZ=62.8 -26.0
fwAVG=2.80
sdW=57.8
fwW=2.90
sdS=8.5
fwS=2.83
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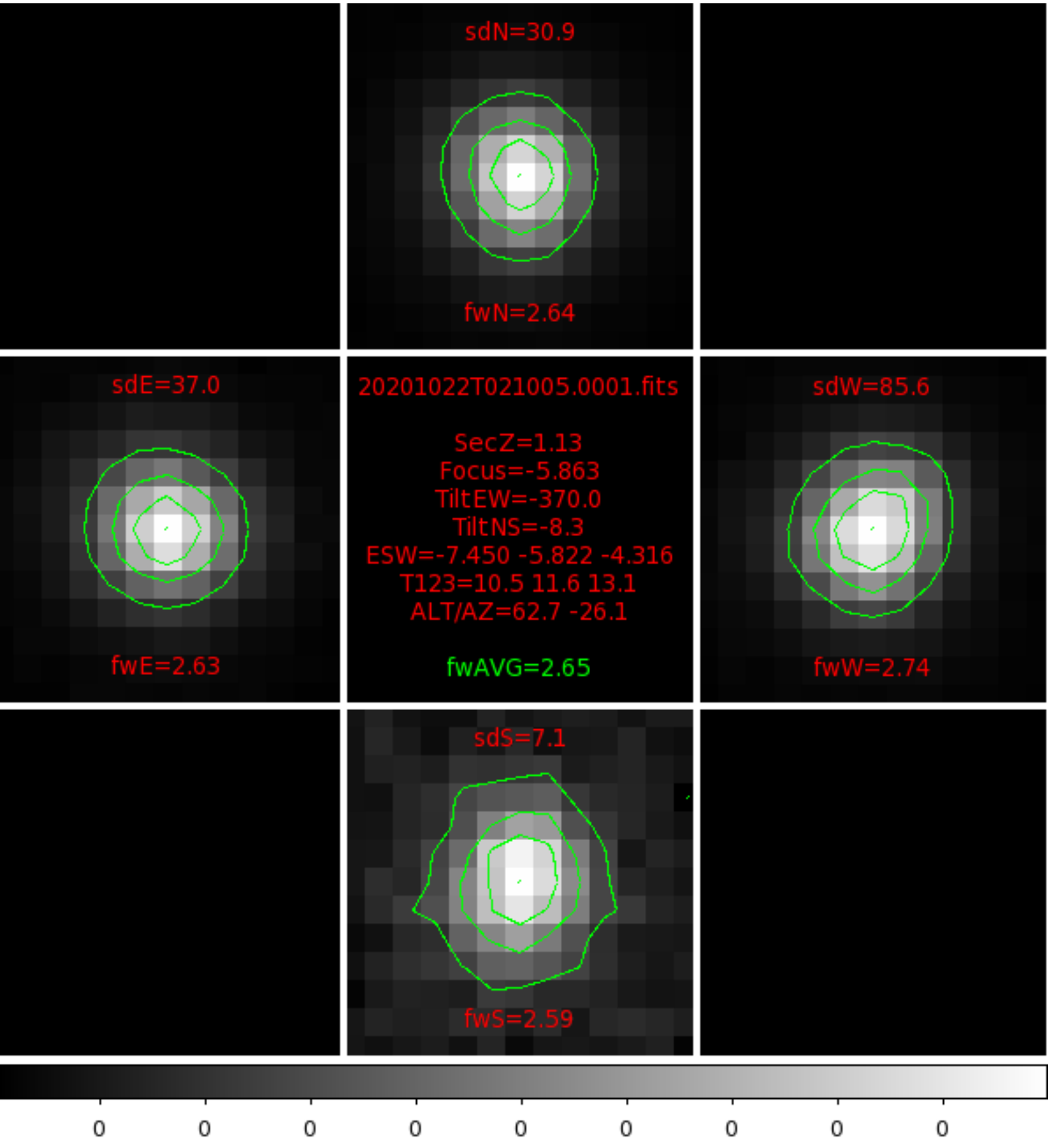
sdN=30.9
fwN=2.64
sdE=37.0
fwE=2.63
20201022T021005.0001.fits
SecZ=1.13
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.5 11.6 13.1
ALT/AZ=62.7 -26.1
fwAVG=2.65
sdW=85.6
fwW=2.74
sdS=7.1
fwS=2.59
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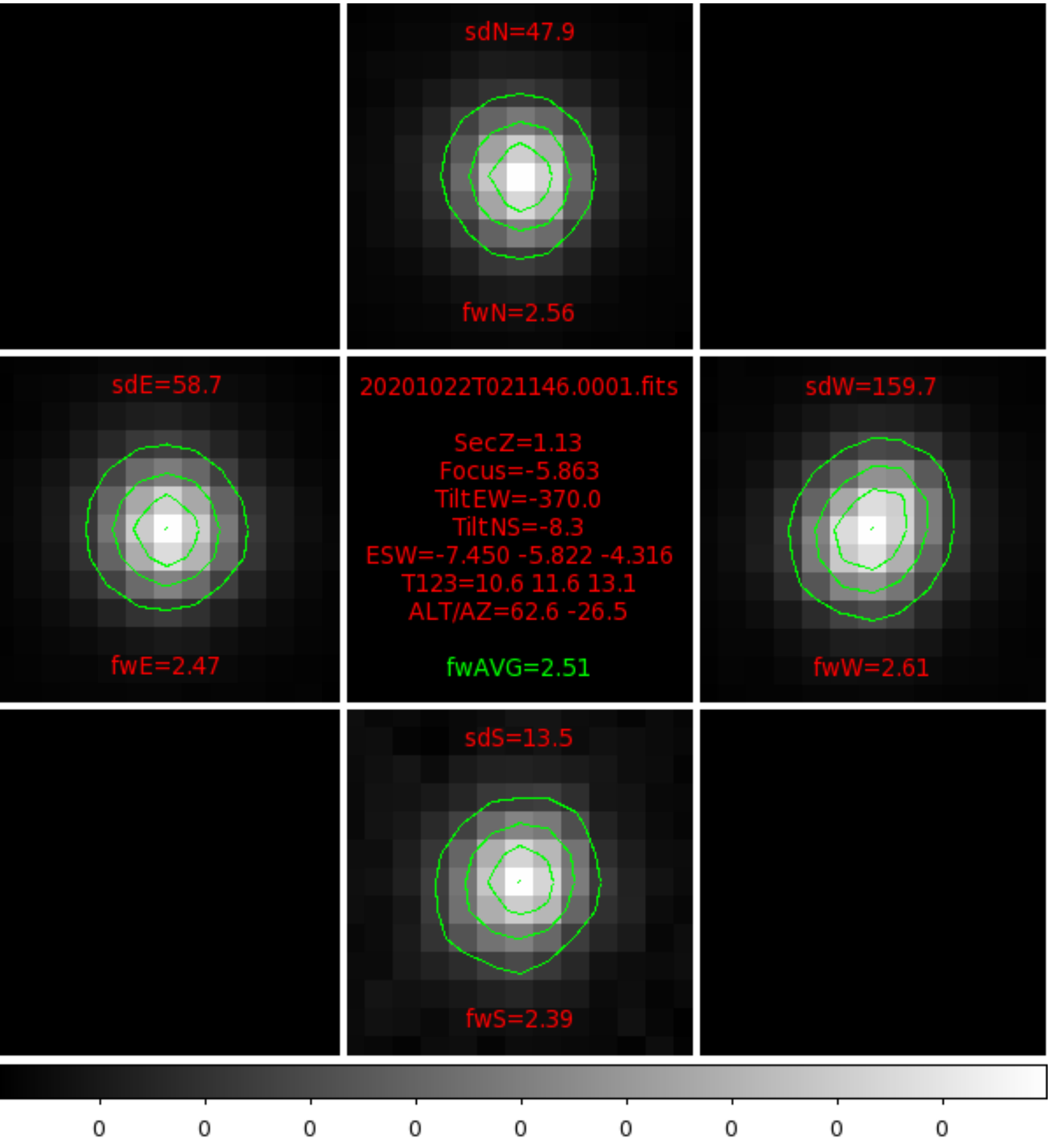
sdN=47.9
fwN=2.56
sdE=58.7
fwE=2.47
20201022T021146.0001.fits
SecZ=1.13
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.6 11.6 13.1
ALT/AZ=62.6 -26.5
fwAVG=2.51
sdW=159.7
fwW=2.61
sdS=13.5
fwS=2.39
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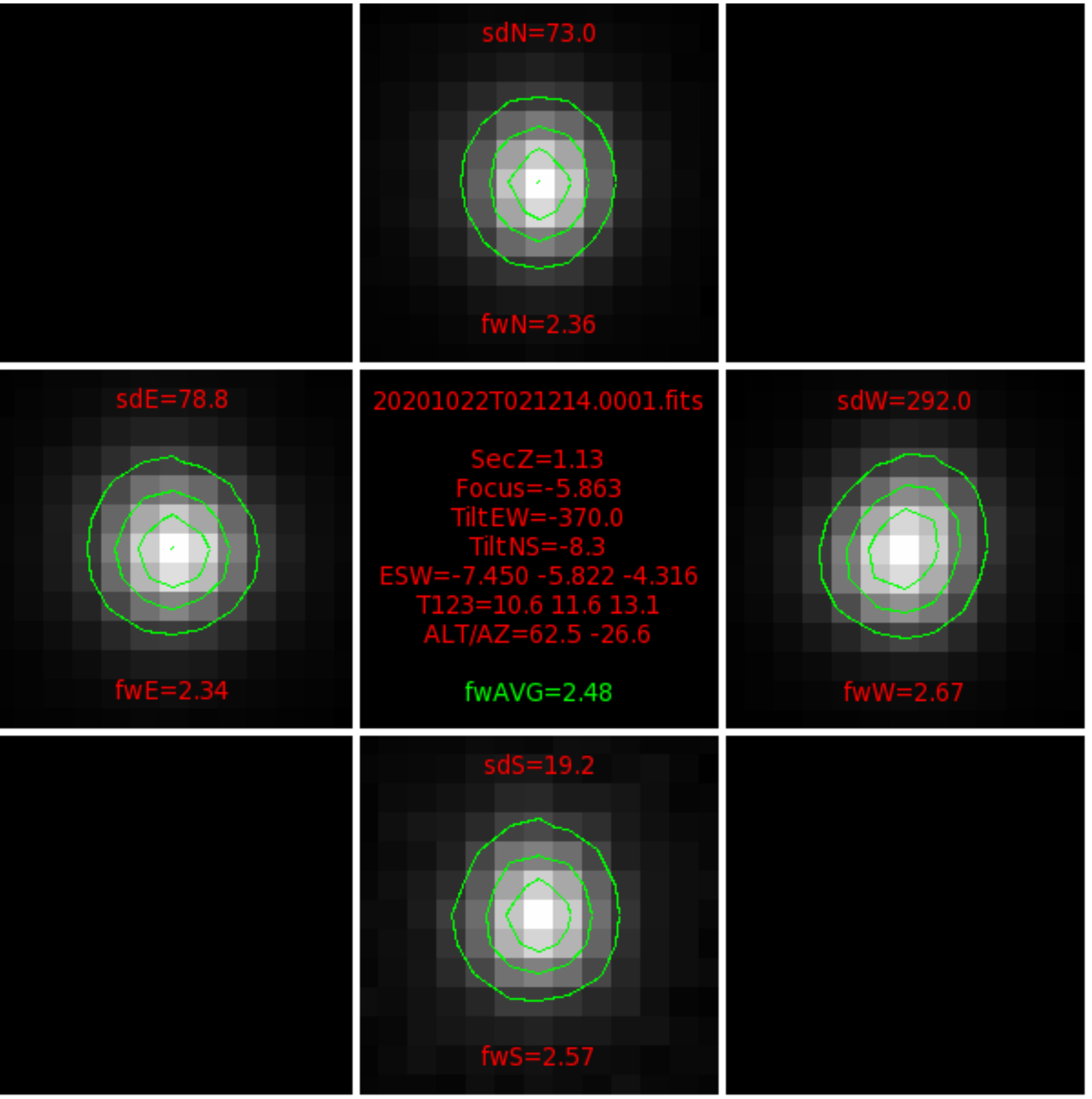
sdN=73.0
fwN=2.36
sdE=78.8
fwE=2.34
20201022T021214.0001.fits
SecZ=1.13
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.6 11.6 13.1
ALT/AZ=62.5 -26.6
fwAVG=2.48
sdW=292.0
fwW=2.67
sdS=19.2
fwS=2.57
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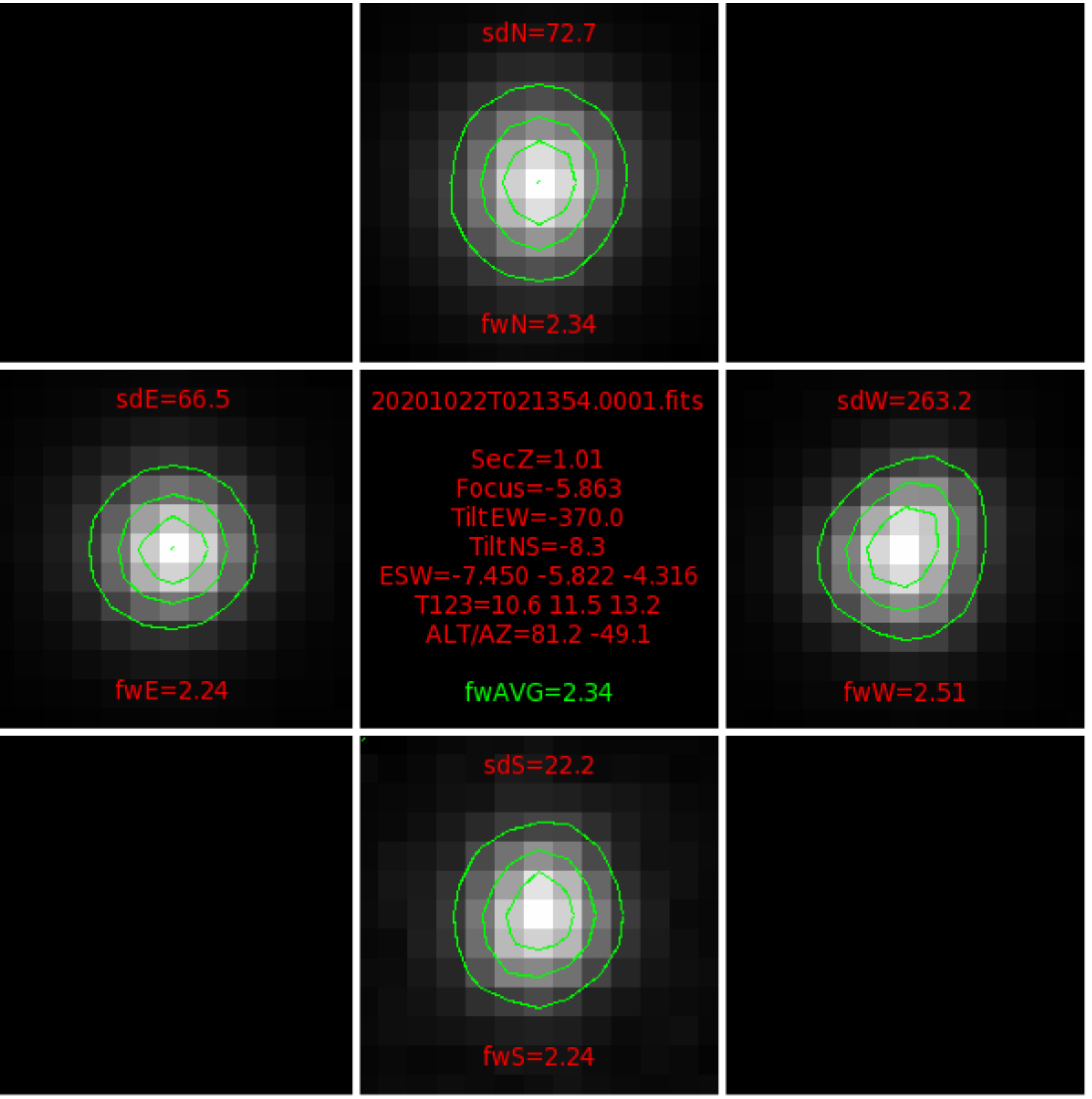
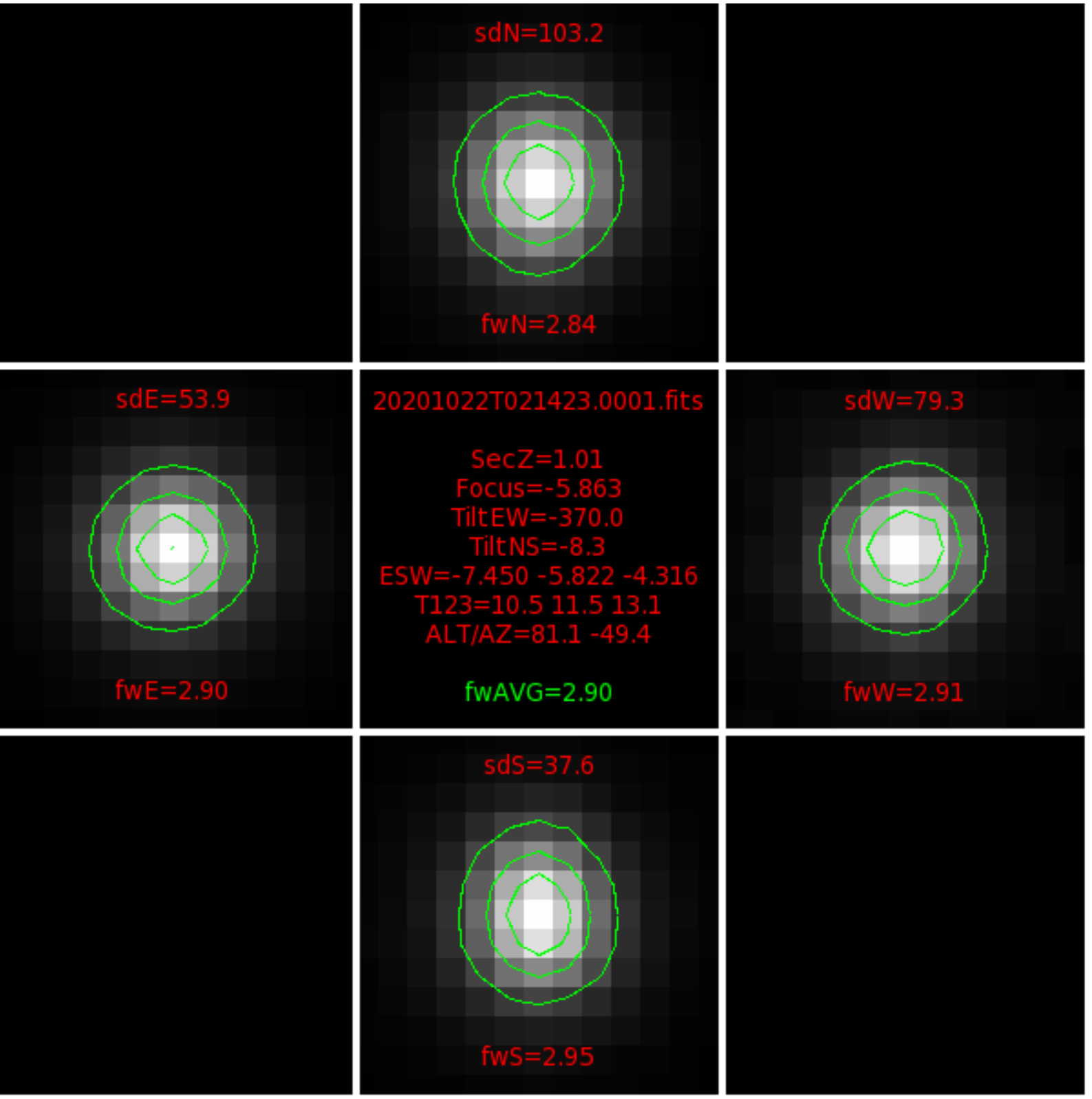

sdN=72.7
fwN=2.34
sdE=66.5
fwE=2.24
20201022T021354.0001.fits
SecZ=1.01
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.6 11.5 13.2
ALT/AZ=81.2 -49.1
fwAVG=2.34
sdW=263.2
fwW=2.51
sdS=22.2
fwS=2.24
0 0 0 0 0 0 0 0 0


sdN=103.2
fwN=2.84
sdE=53.9
fwE=2.90
20201022T021423.0001.fits
SecZ=1.01
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.5 11.5 13.1
ALT/AZ=81.1 -49.4
fwAVG=2.90
sdW=79.3
fwW=2.91
sdS=37.6
fwS=2.95
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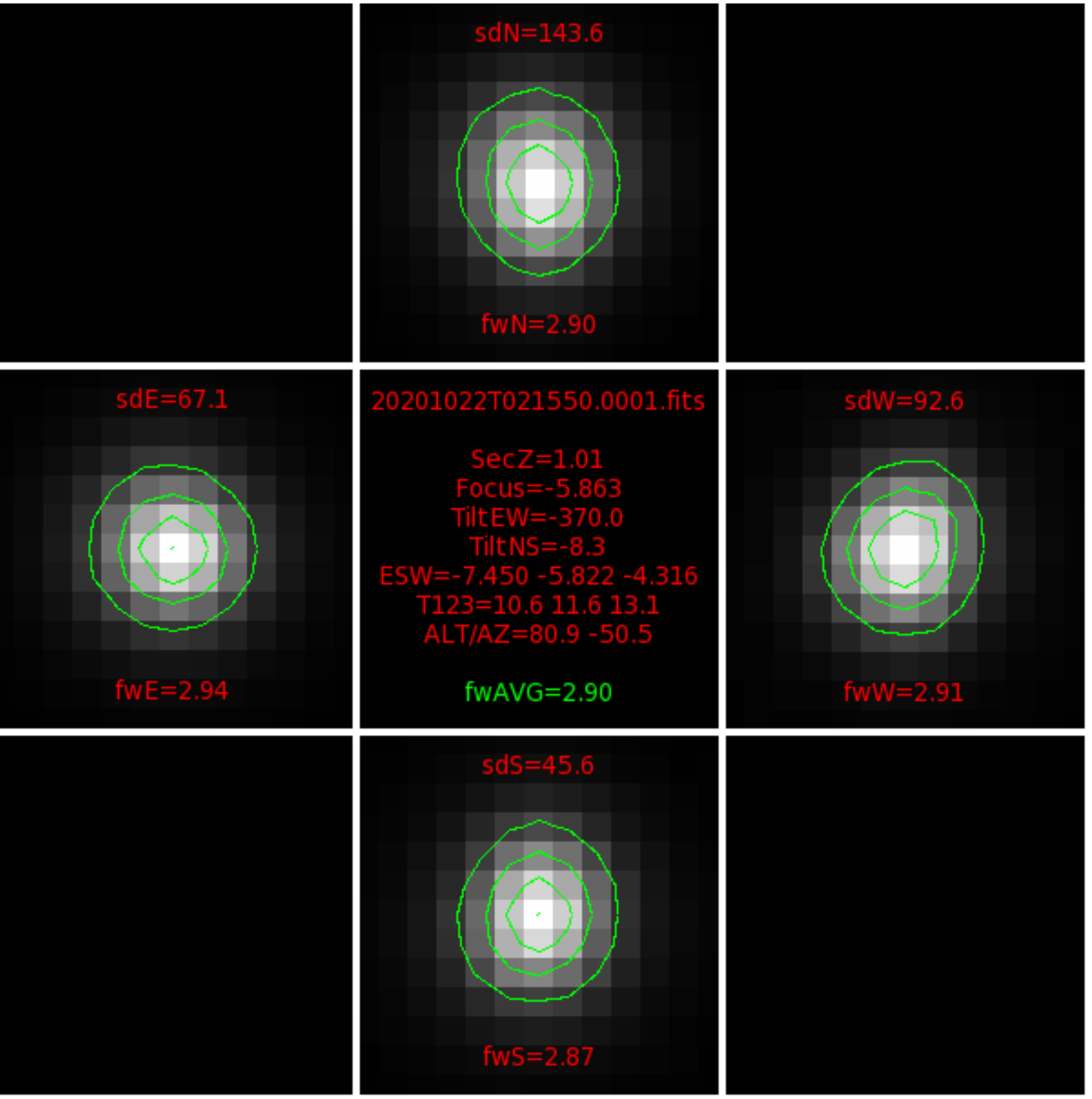
sdN=143.6
fwN=2.90
sdE=67.1
fwE=2.94
20201022T021550.0001.fits
SecZ=1.01
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.6 11.6 13.1
ALT/AZ=80.9 -50.5
fwAVG=2.90
sdW=92.6
fwW=2.91
sdS=45.6
fwS=2.87
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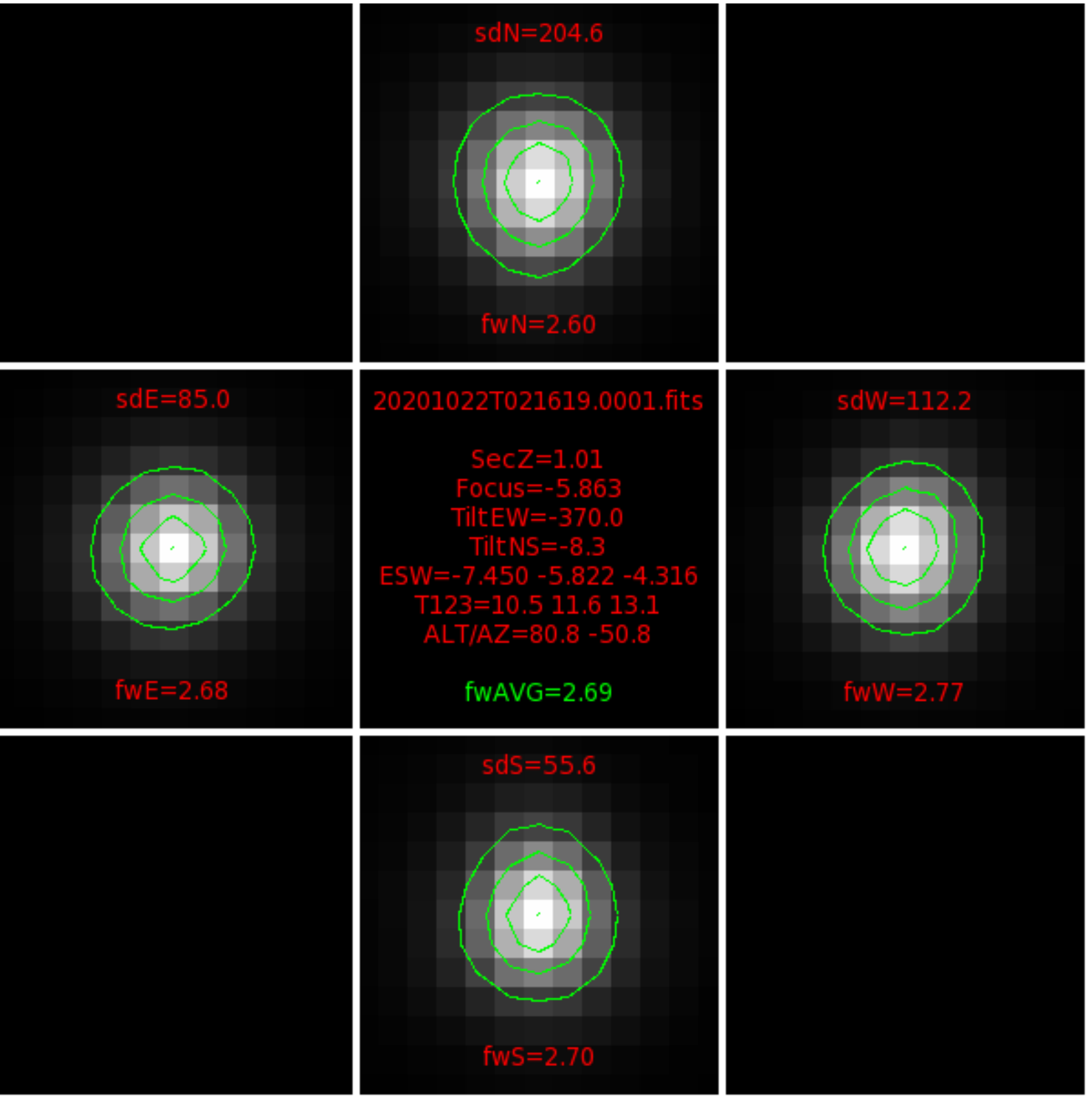
sdN=204.6
fwN=2.60
sdE=85.0
fwE=2.68
20201022T021619.0001.fits
SecZ=1.01
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.5 11.6 13.1
ALT/AZ=80.8 -50.8
fwAVG=2.69
sdW=112.2
fwW=2.77
sdS=55.6
fwS=2.70
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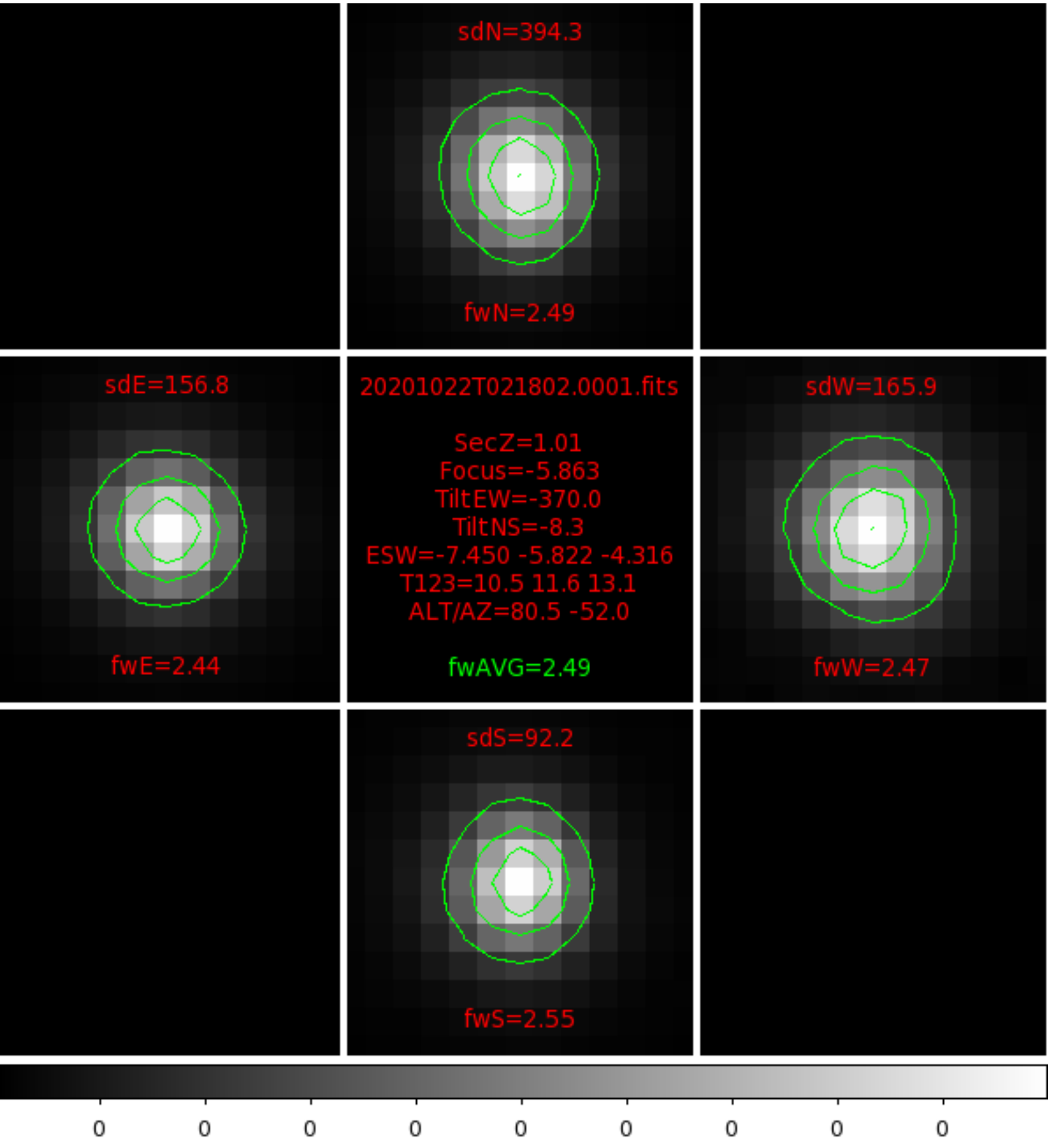
sdN=394.3
fwN=2.49
sdE=156.8
fwE=2.44
20201022T021802.0001.fits
SecZ=1.01
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.5 11.6 13.1
ALT/AZ=80.5 -52.0
fwAVG=2.49
sdW=165.9
fwW=2.47
sdS=92.2
fwS=2.55
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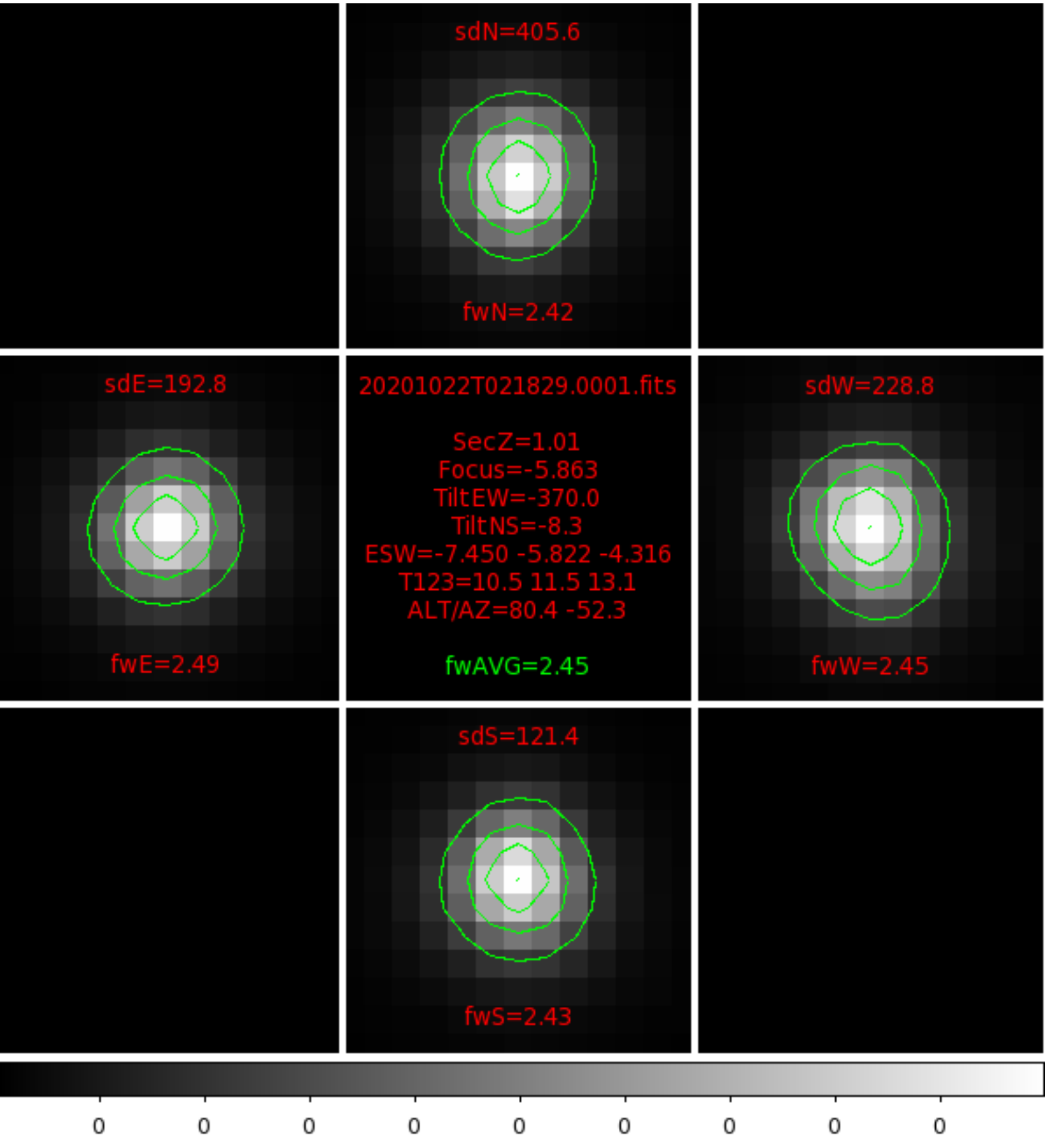
sdN=405.6
fwN=2.42
sdE=192.8
fwE=2.49
20201022T021829.0001.fits
SecZ=1.01
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.5 11.5 13.1
ALT/AZ=80.4 -52.3
fwAVG=2.45
sdW=228.8
fwW=2.45
sdS=121.4
fwS=2.43
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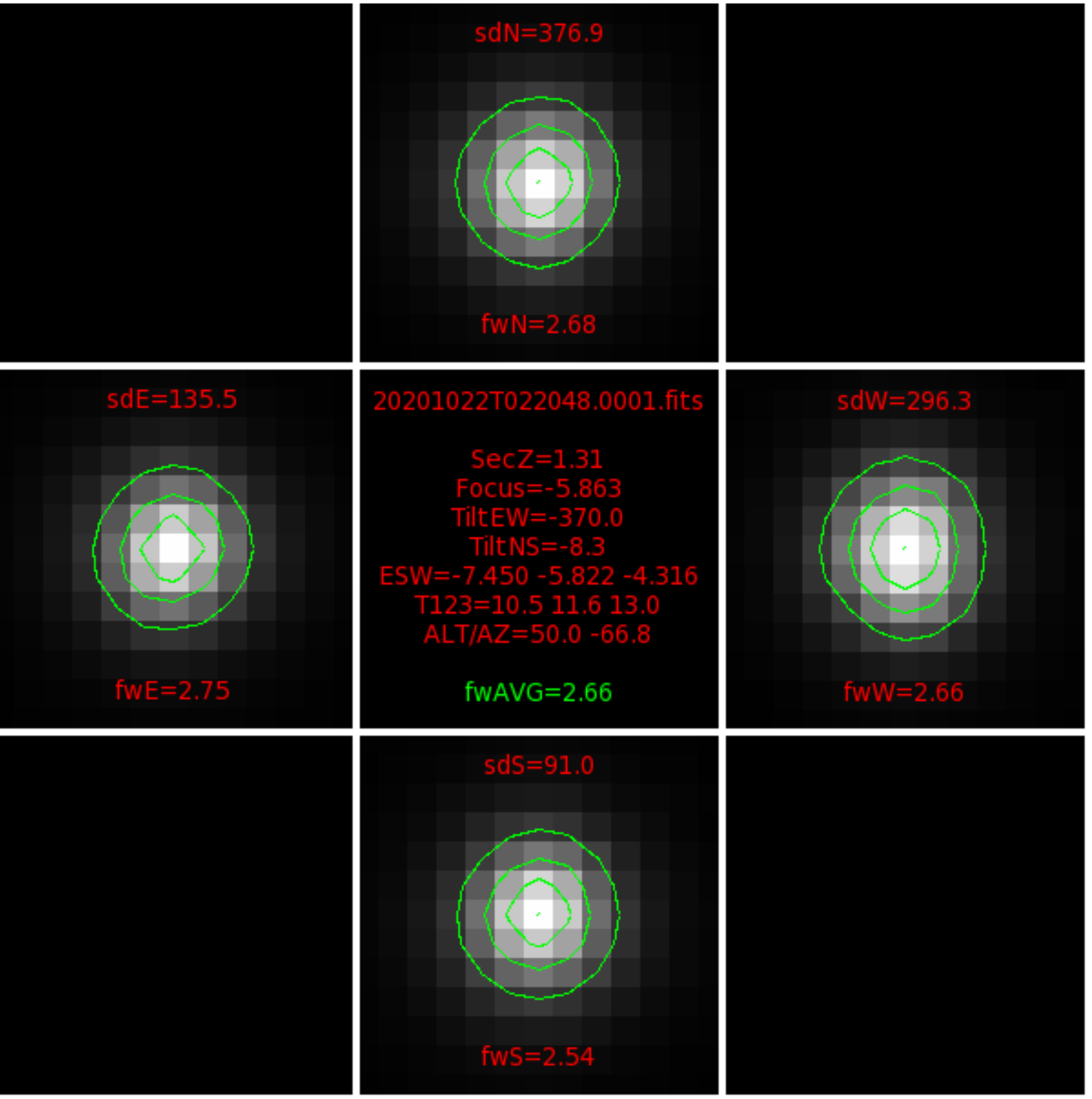
sdN=376.9
fwN=2.68
sdE=135.5
fwE=2.75
20201022T022048.0001.fits
SecZ=1.31
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.5 11.6 13.0
ALT/AZ=50.0 -66.8
fwAVG=2.66
sdW=296.3
fwW=2.66
sdS=91.0
fwS=2.54
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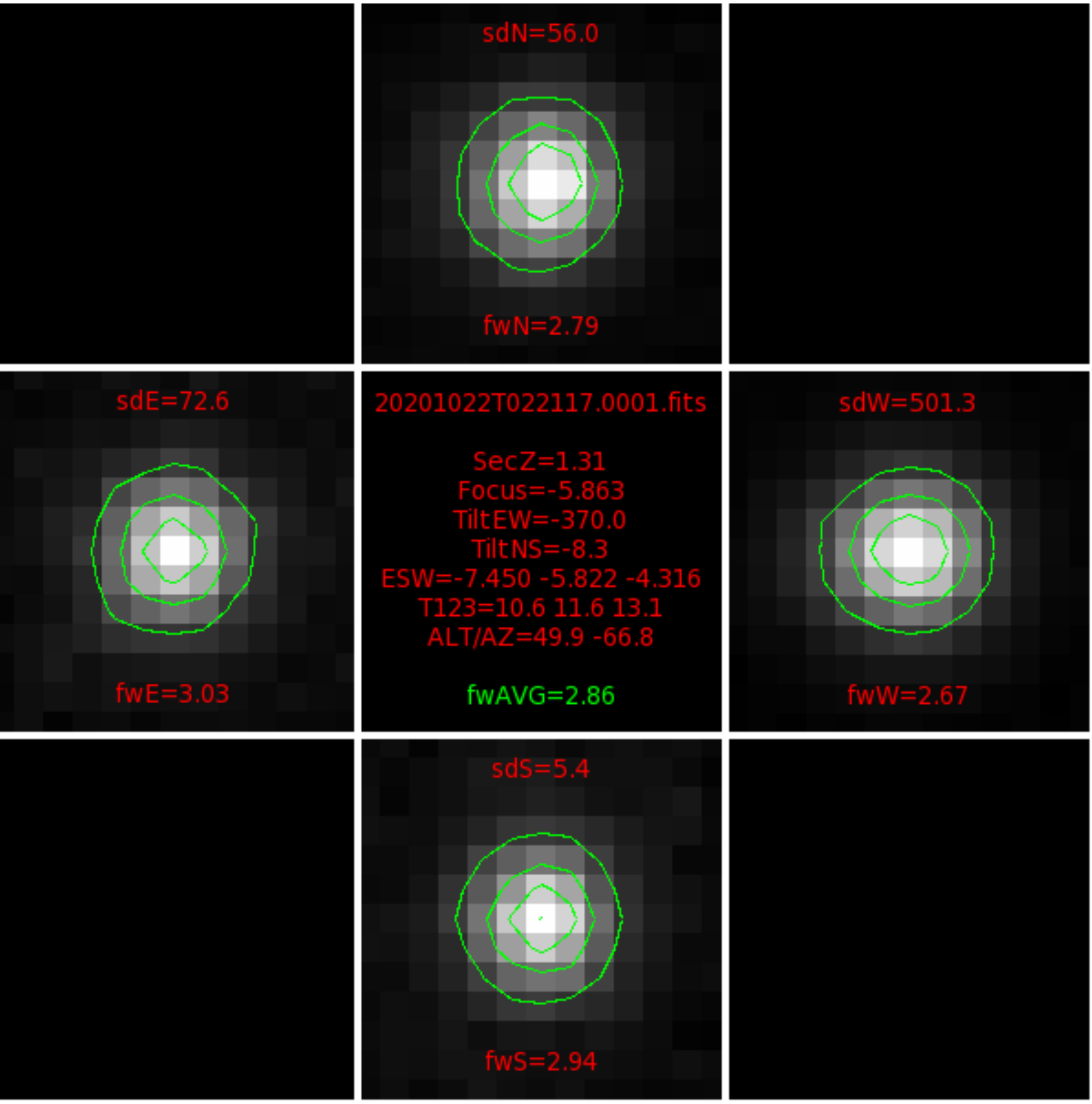
sdN=56.0
fwN=2.79
sdE=72.6
fwE=3.03
20201022T022117.0001.fits
SecZ=1.31
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.6 11.6 13.1
ALT/AZ=49.9 -66.8
fwAVG=2.86
sdW=501.3
fwW=2.67
sdS=5.4
fwS=2.94
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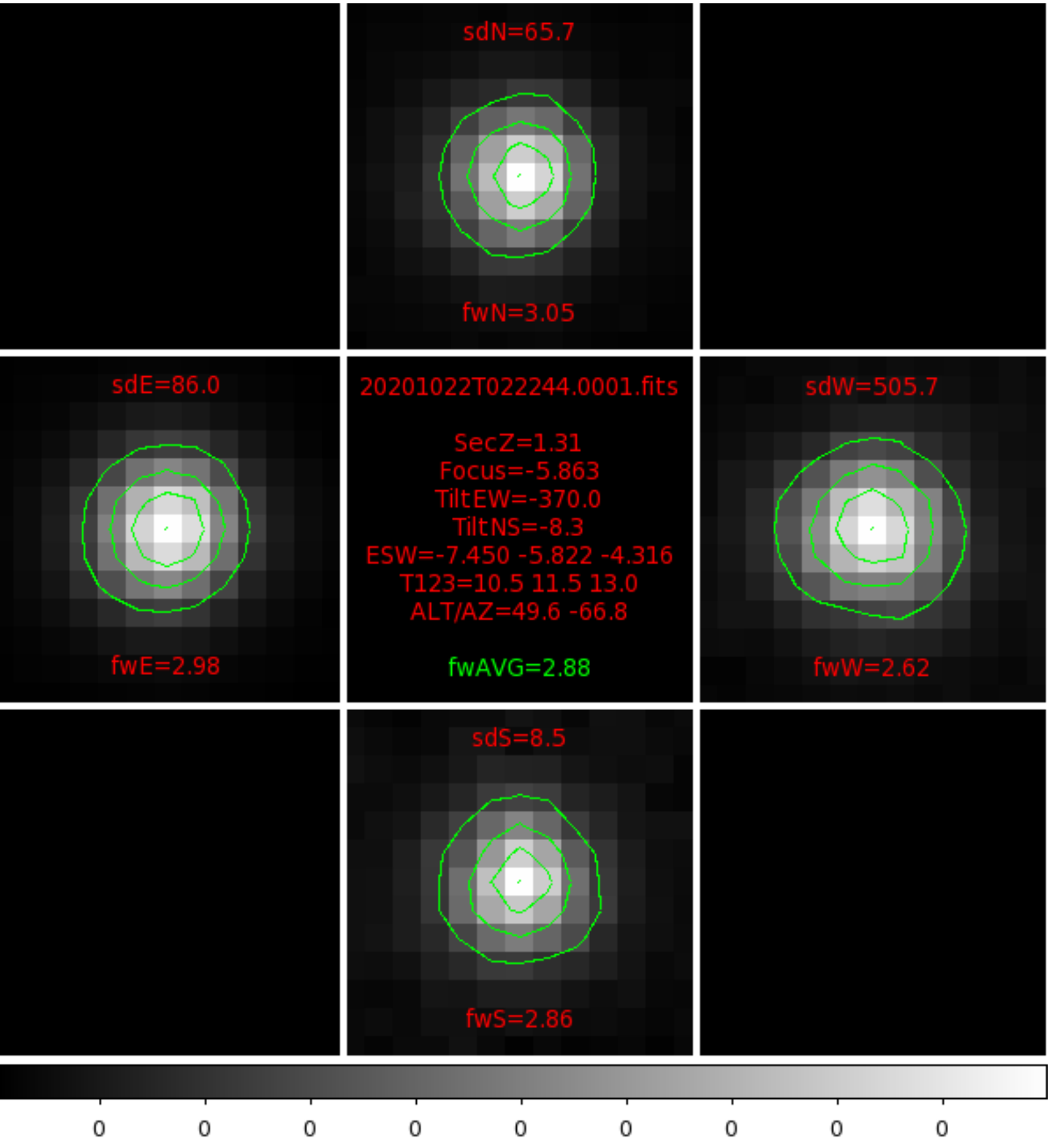
sdN=65.7
fwN=3.05
sdE=86.0
fwE=2.98
20201022T022244.0001.fits
SecZ=1.31
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.5 11.5 13.0
ALT/AZ=49.6 -66.8
fwAVG=2.88
sdW=505.7
fwW=2.62
sdS=8.5
fwS=2.86
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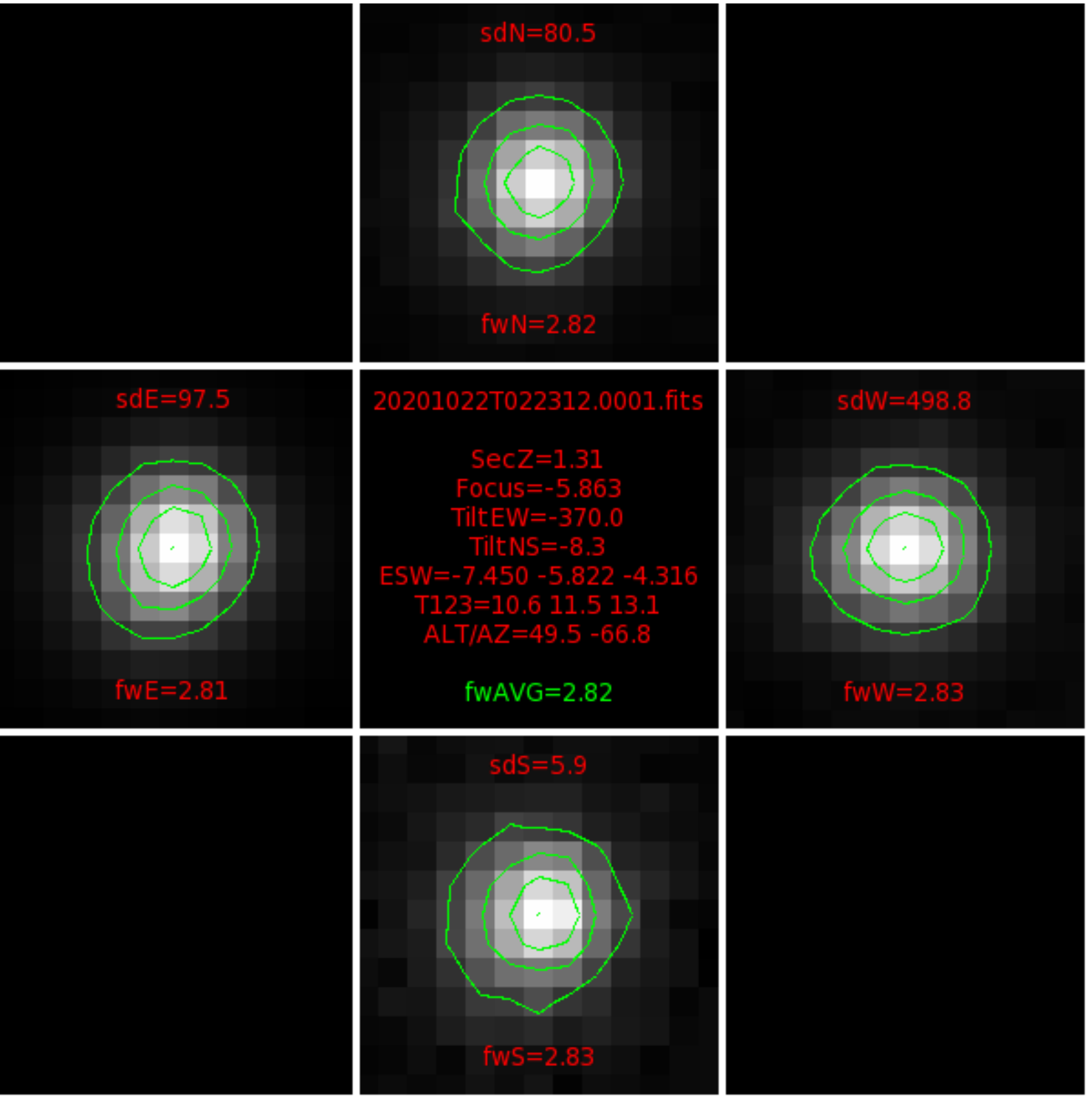
sdN=80.5
fwN=2.82
sdE=97.5
fwE=2.81
20201022T022312.0001.fits
SecZ=1.31
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.6 11.5 13.1
ALT/AZ=49.5 -66.8
fwAVG=2.82
sdW=498.8
fwW=2.83
sdS=5.9
fwS=2.83
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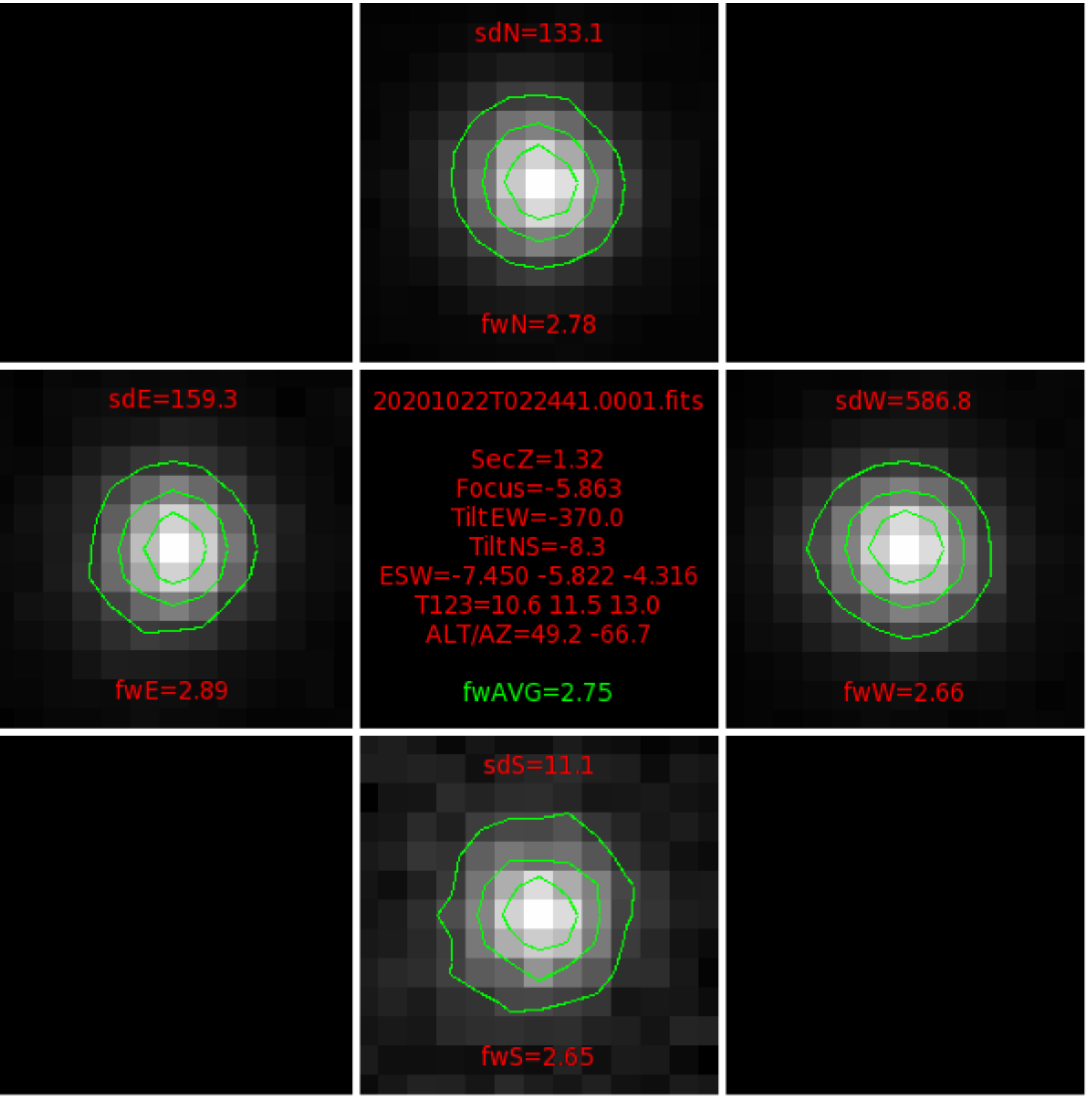
sdN=133.1
fwN=2.78
sdE=159.3
fwE=2.89
20201022T022441.0001.fits
SecZ=1.32
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.6 11.5 13.0
ALT/AZ=49.2 -66.7
fwAVG=2.75
sdW=586.8
fwW=2.66
sdS=11.1
fwS=2.65
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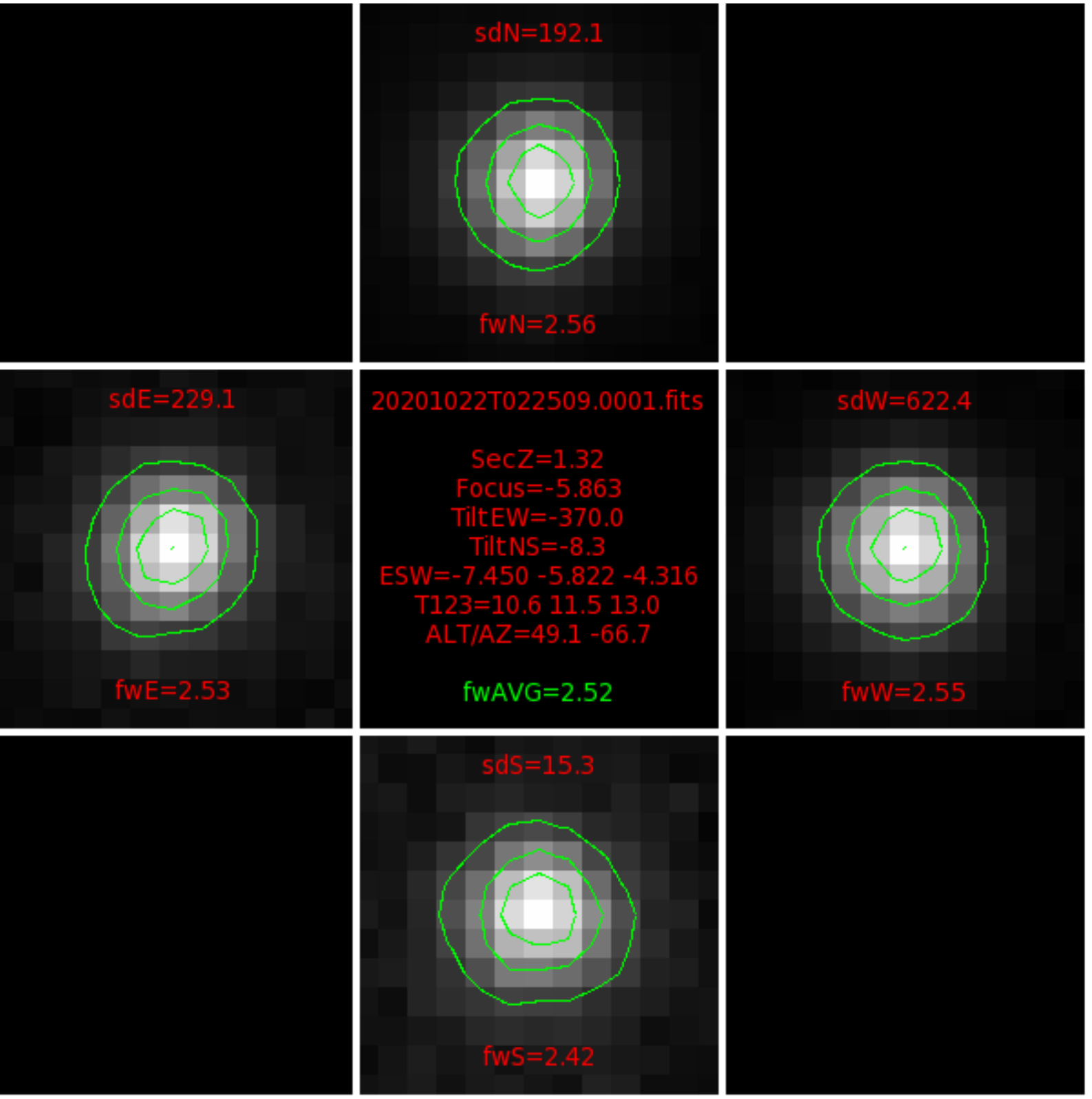
sdN=192.1
fwN=2.56
sdE=229.1
fwE=2.53
20201022T022509.0001.fits
SecZ=1.32
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.6 11.5 13.0
ALT/AZ=49.1 -66.7
fwAVG=2.52
sdW=622.4
fwW=2.55
sdS=15.3
fwS=2.42
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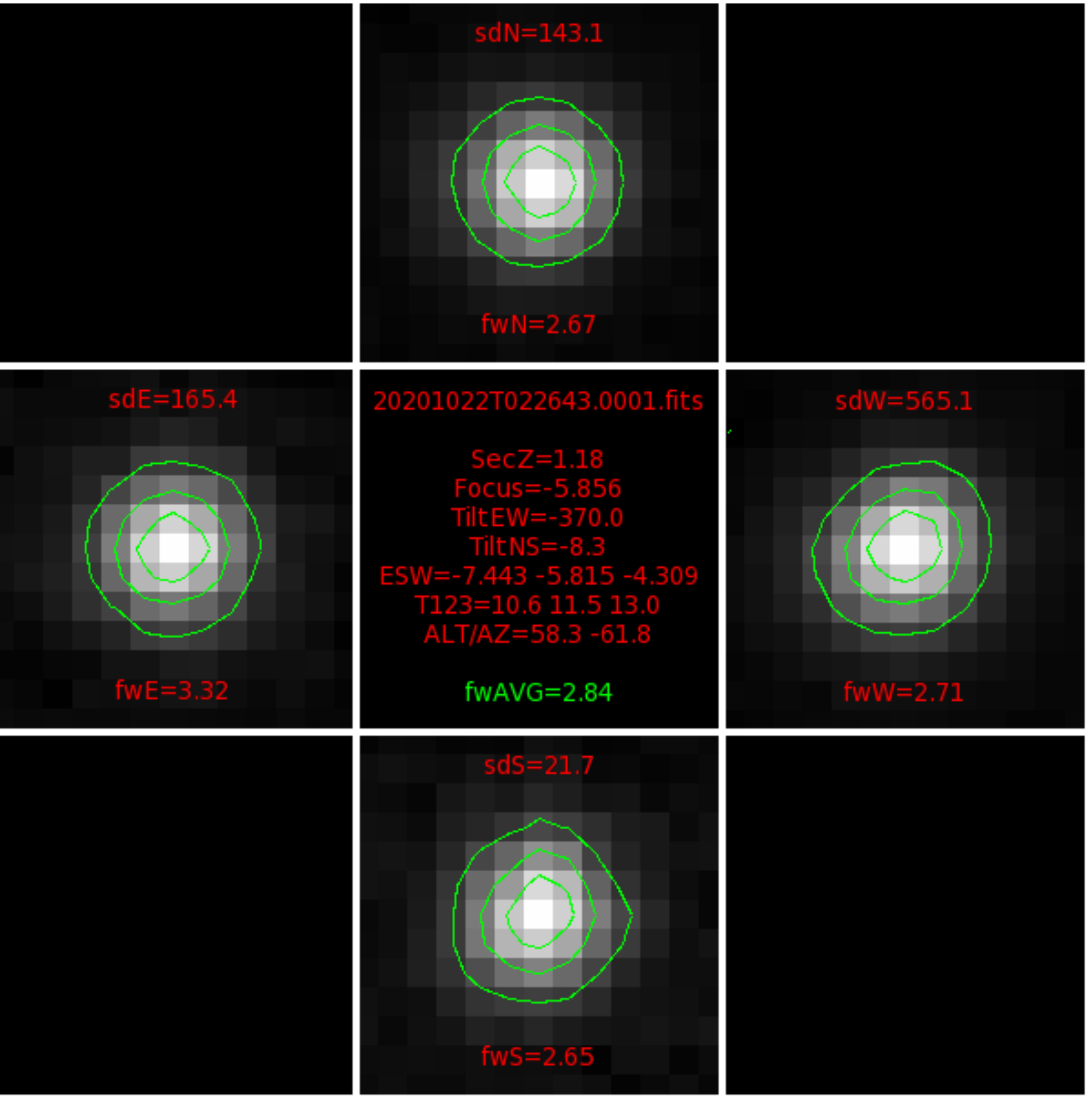
sdN=143.1
fwN=2.67
sdE=165.4
fwE=3.32
20201022T022643.0001.fits
SecZ=1.18
Focus=-5.856
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.443 -5.815 -4.309
T123=10.6 11.5 13.0
ALT/AZ=58.3 -61.8
fwAVG=2.84
sdW=565.1
fwW=2.71
sdS=21.7
fwS=2.65
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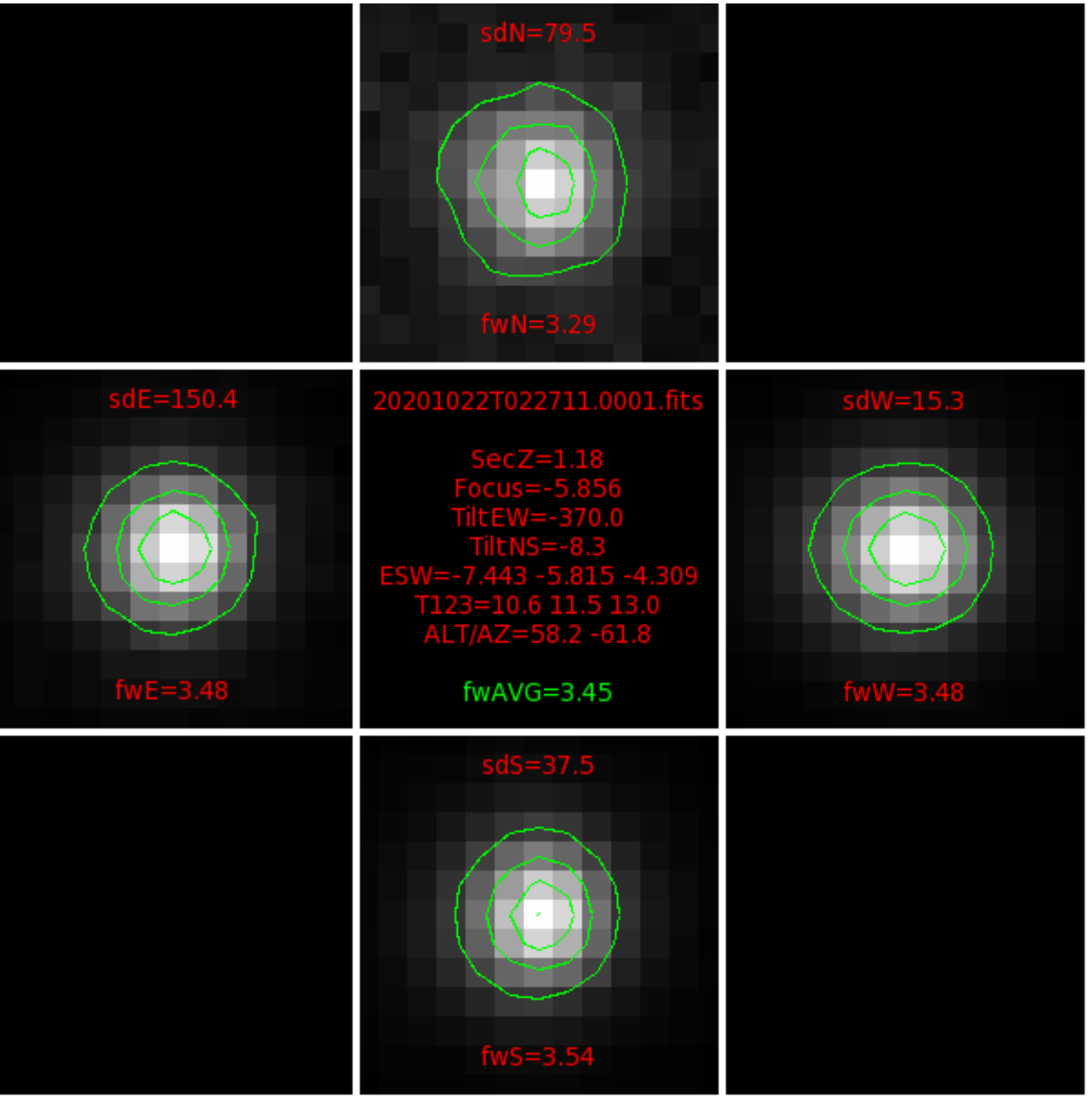
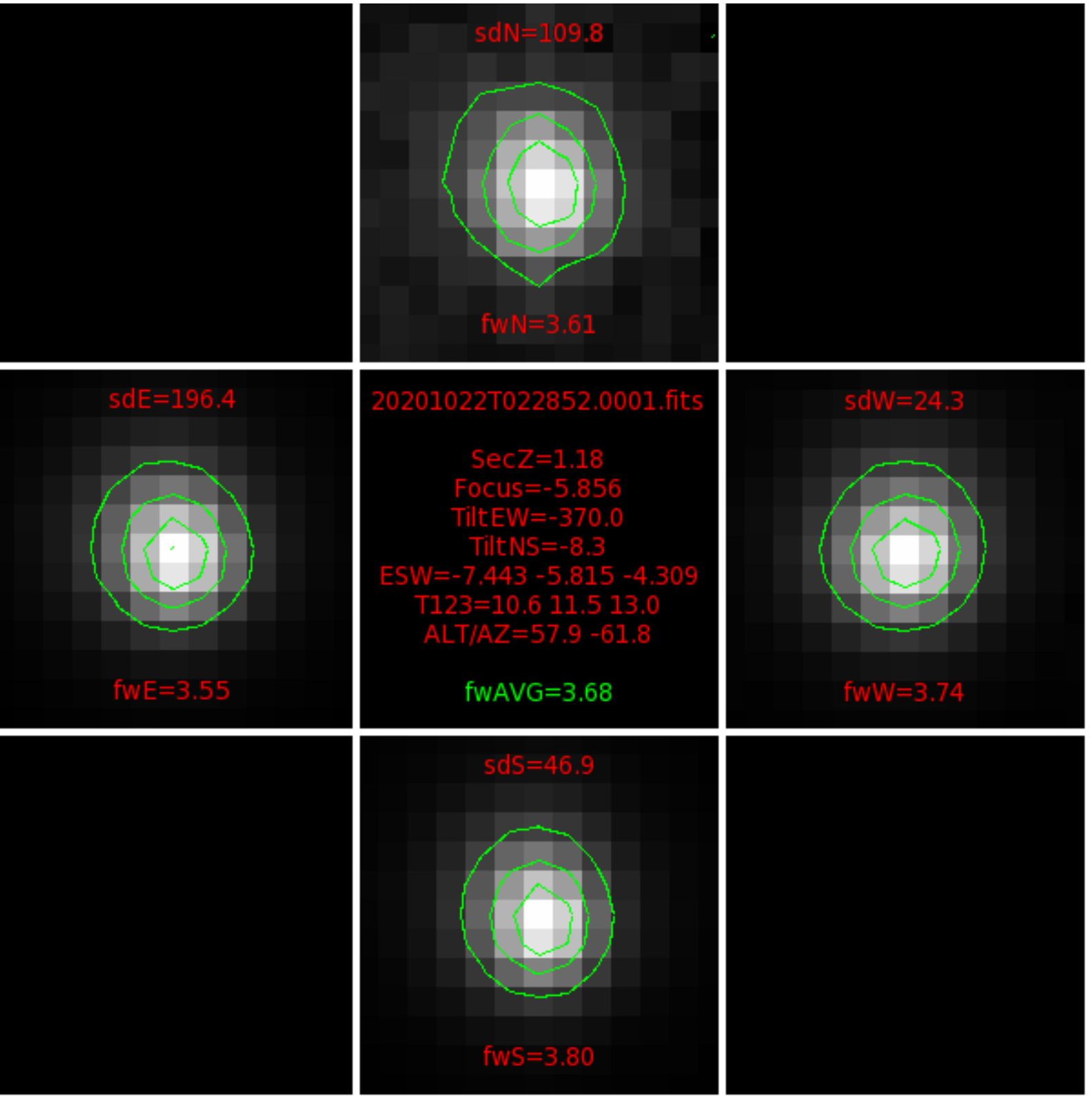

sdN=79.5
fwN=3.29
sdE=150.4
fwE=3.48
20201022T022711.0001.fits
SecZ=1.18
Focus=-5.856
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.443 -5.815 -4.309
T123=10.6 11.5 13.0
ALT/AZ=58.2 -61.8
fwAVG=3.45
sdW=15.3
fwW=3.48
sdS=37.5
fwS=3.54
0 0 0 0 0 0 0 0 0


sdN=109.8
fwN=3.61
sdE=196.4
fwE=3.55
20201022T022852.0001.fits
SecZ=1.18
Focus=-5.856
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.443 -5.815 -4.309
T123=10.6 11.5 13.0
ALT/AZ=57.9 -61.8
fwAVG=3.68
sdW=24.3
fwW=3.74
sdS=46.9
fwS=3.80
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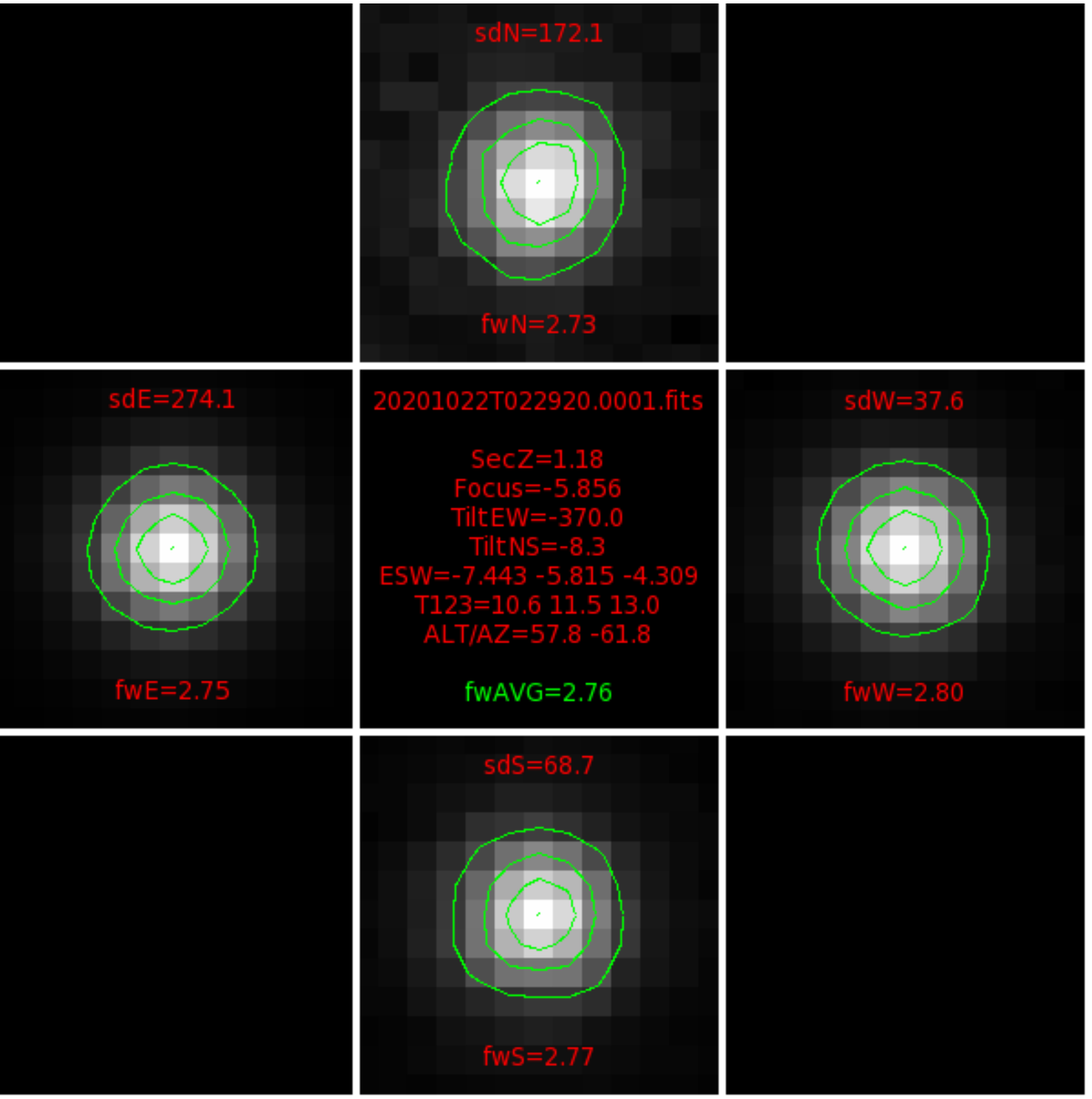
sdN=172.1
fwN=2.73
sdE=274.1
fwE=2.75
20201022T022920.0001.fits
SecZ=1.18
Focus=-5.856
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.443 -5.815 -4.309
T123=10.6 11.5 13.0
ALT/AZ=57.8 -61.8
fwAVG=2.76
sdW=37.6
fwW=2.80
sdS=68.7
fwS=2.77
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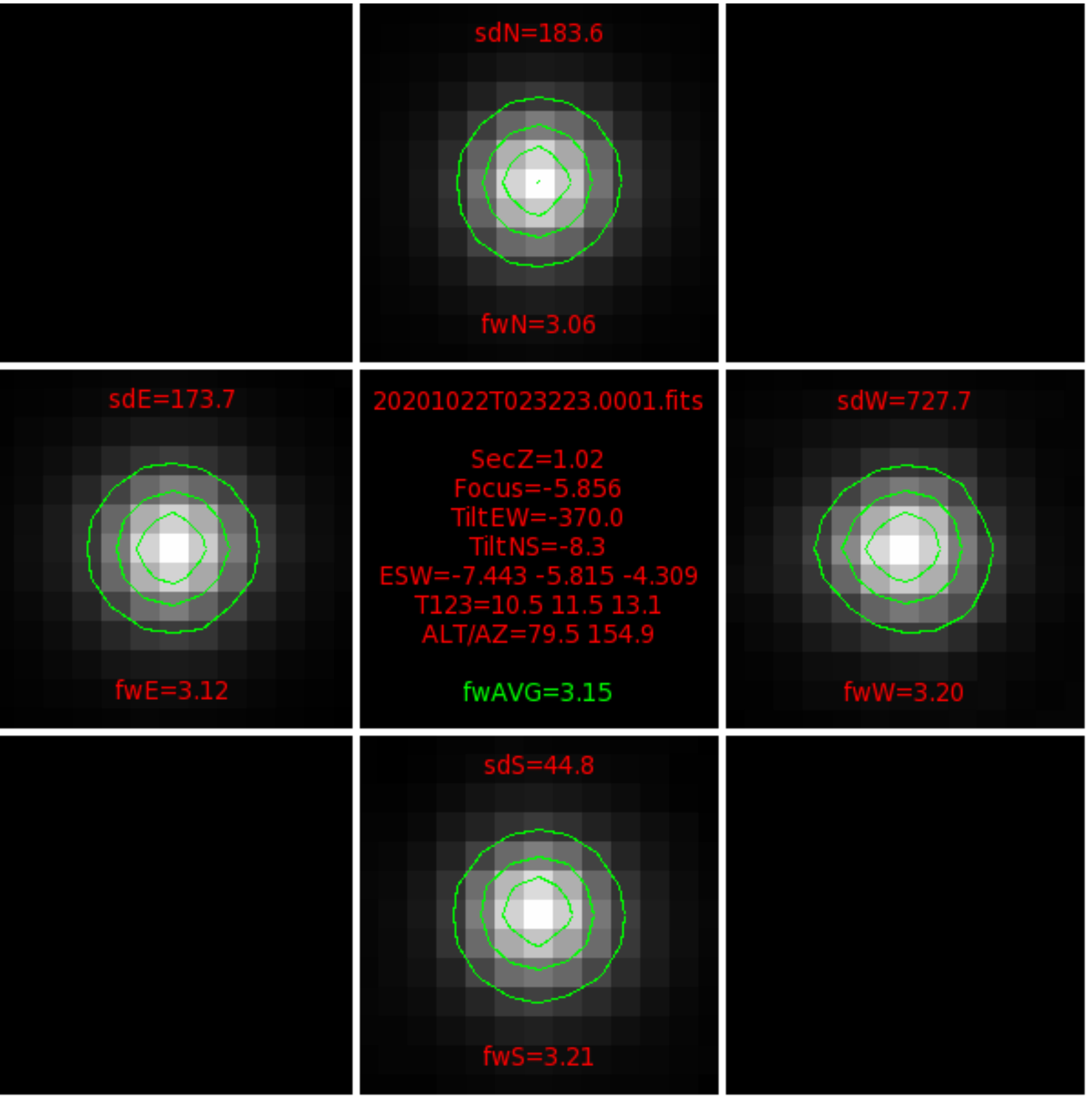
sdN=183.6
fwN=3.06
sdE=173.7
fwE=3.12
20201022T023223.0001.fits
SecZ=1.02
Focus=-5.856
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.443 -5.815 -4.309
T123=10.5 11.5 13.1
ALT/AZ=79.5 154.9
fwAVG=3.15
sdW=727.7
fwW=3.20
sdS=44.8
fwS=3.21
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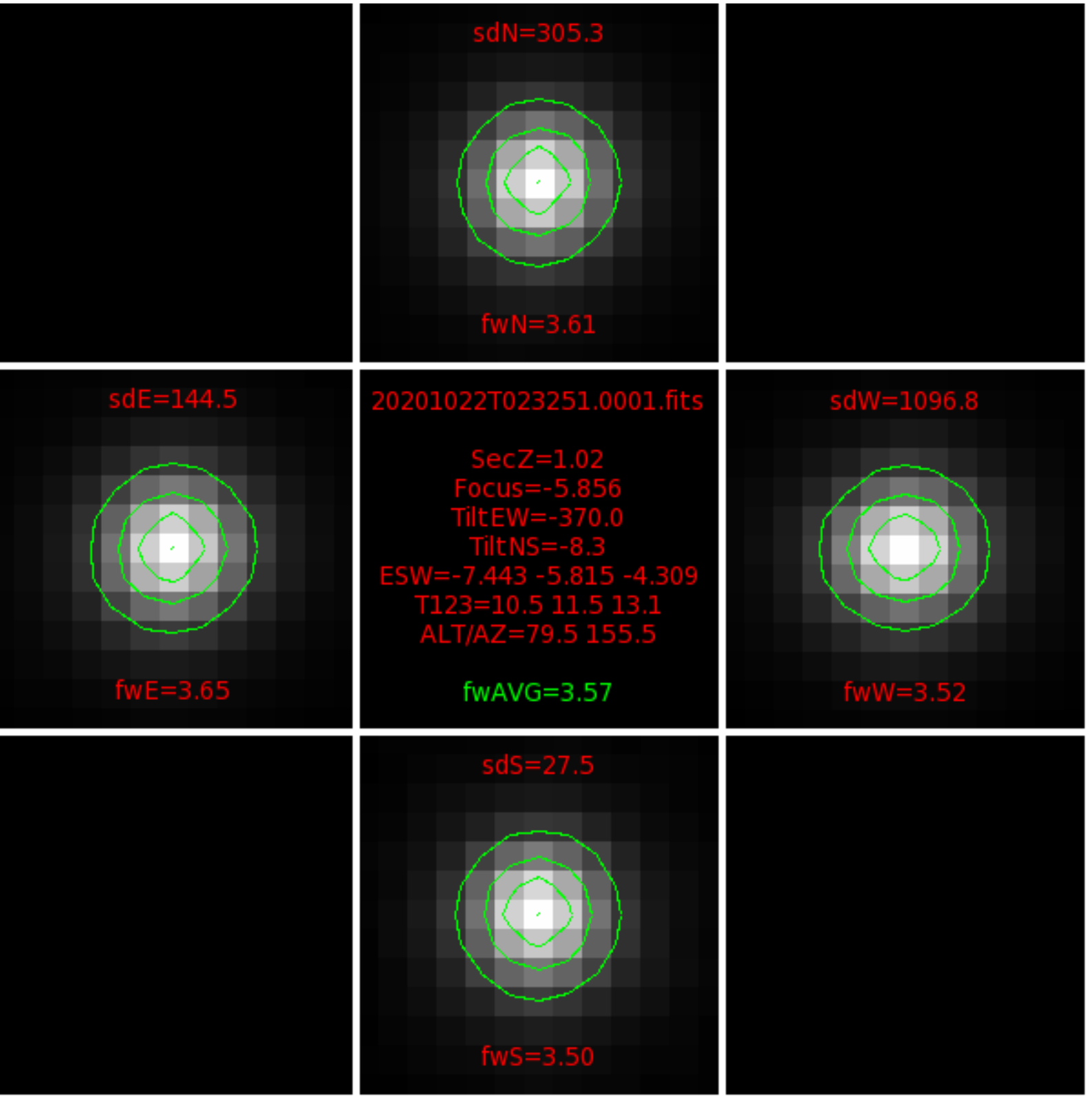
sdN=305.3
fwN=3.61
sdE=144.5
fwE=3.65
20201022T023251.0001.fits
SecZ=1.02
Focus=-5.856
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.443 -5.815 -4.309
T123=10.5 11.5 13.1
ALT/AZ=79.5 155.5
fwAVG=3.57
sdW=1096.8
fwW=3.52
sdS=27.5
fwS=3.50
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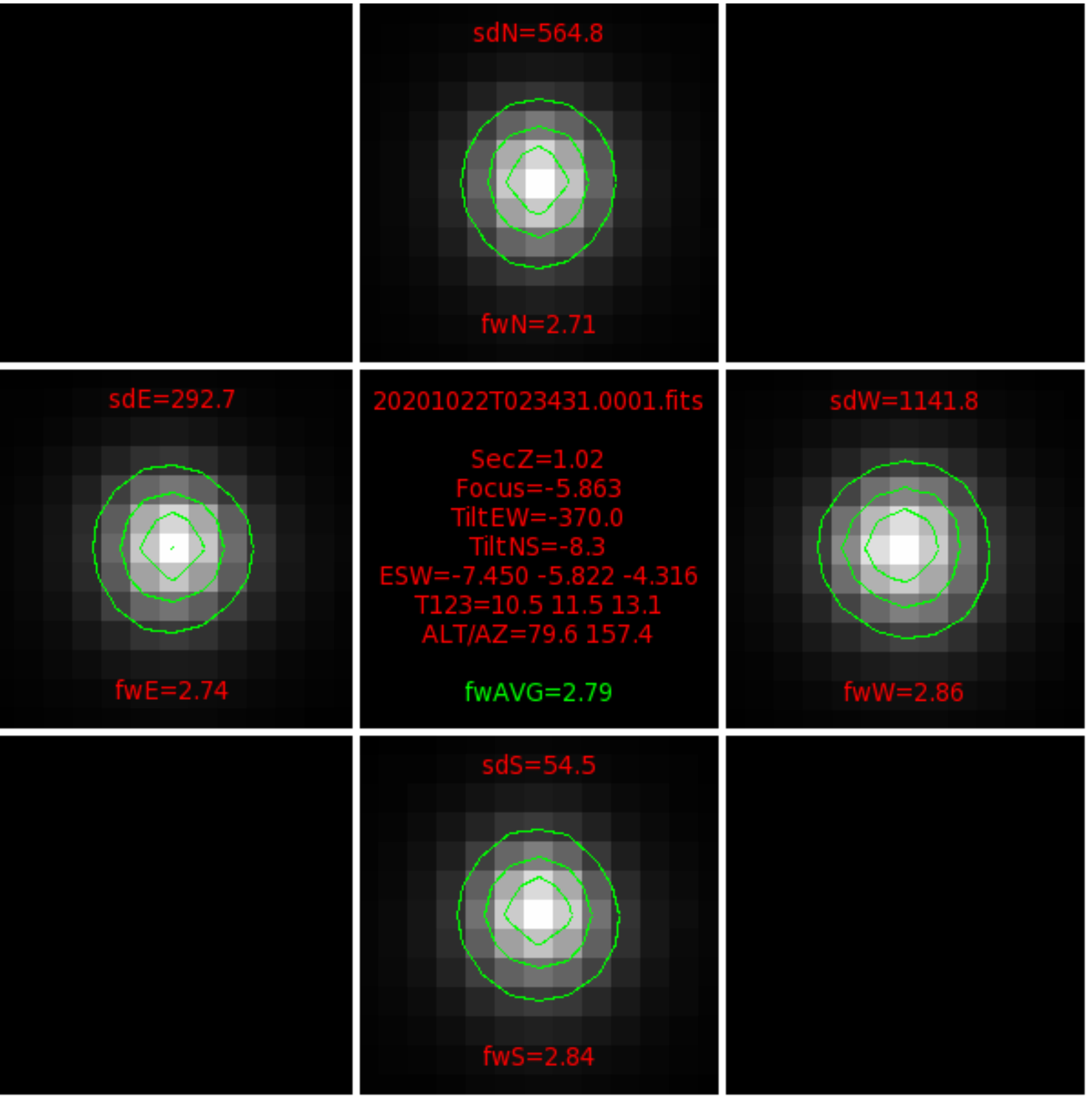
sdN=564.8
fwN=2.71
sdE=292.7
fwE=2.74
20201022T023431.0001.fits
SecZ=1.02
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.5 11.5 13.1
ALT/AZ=79.6 157.4
fwAVG=2.79
sdW=1141.8
fwW=2.86
sdS=54.5
fwS=2.84
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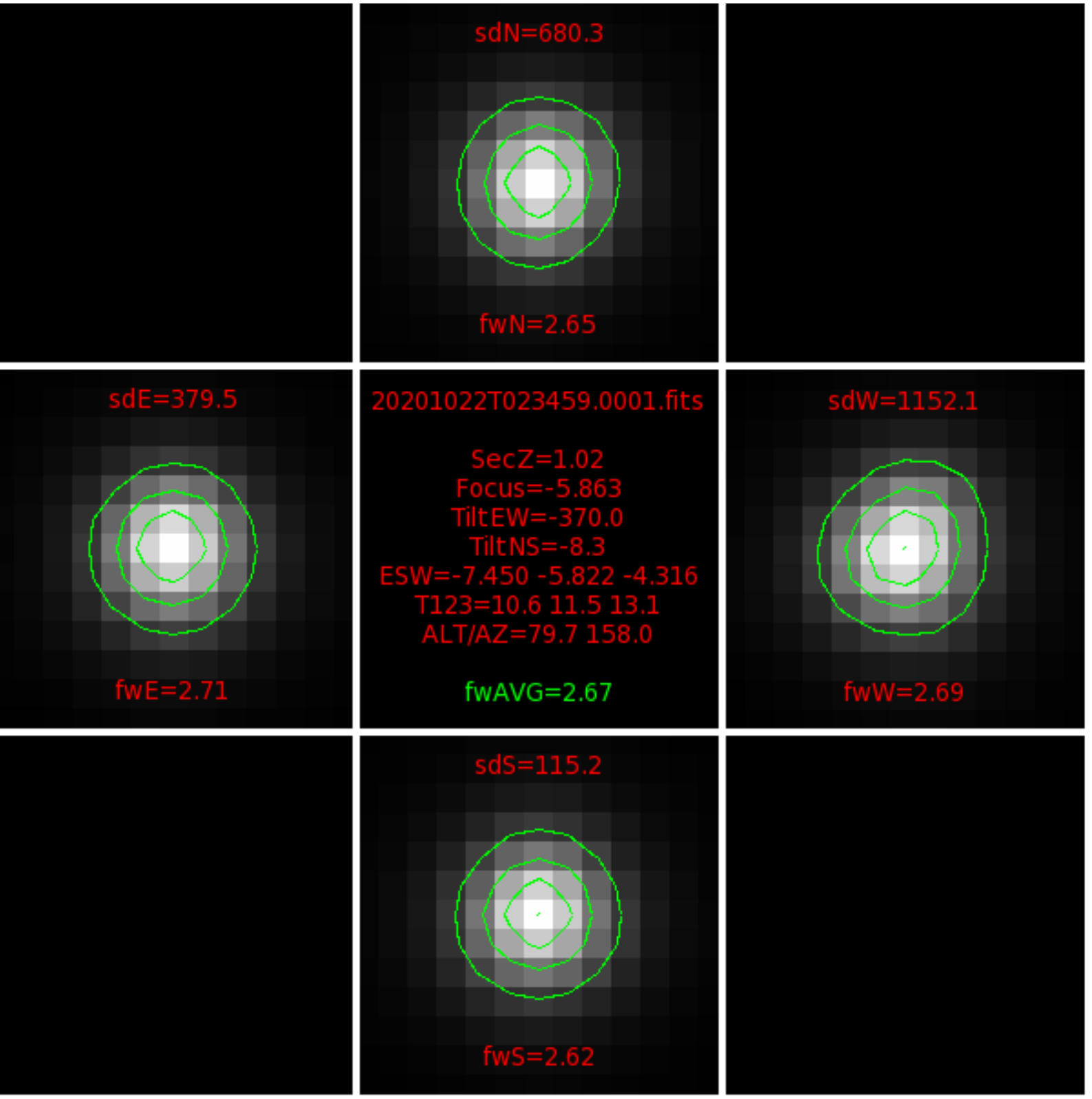
sdN=680.3
fwN=2.65
sdE=379.5
fwE=2.71
20201022T023459.0001.fits
SecZ=1.02
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.6 11.5 13.1
ALT/AZ=79.7 158.0
fwAVG=2.67
sdW=1152.1
fwW=2.69
sdS=115.2
fwS=2.62
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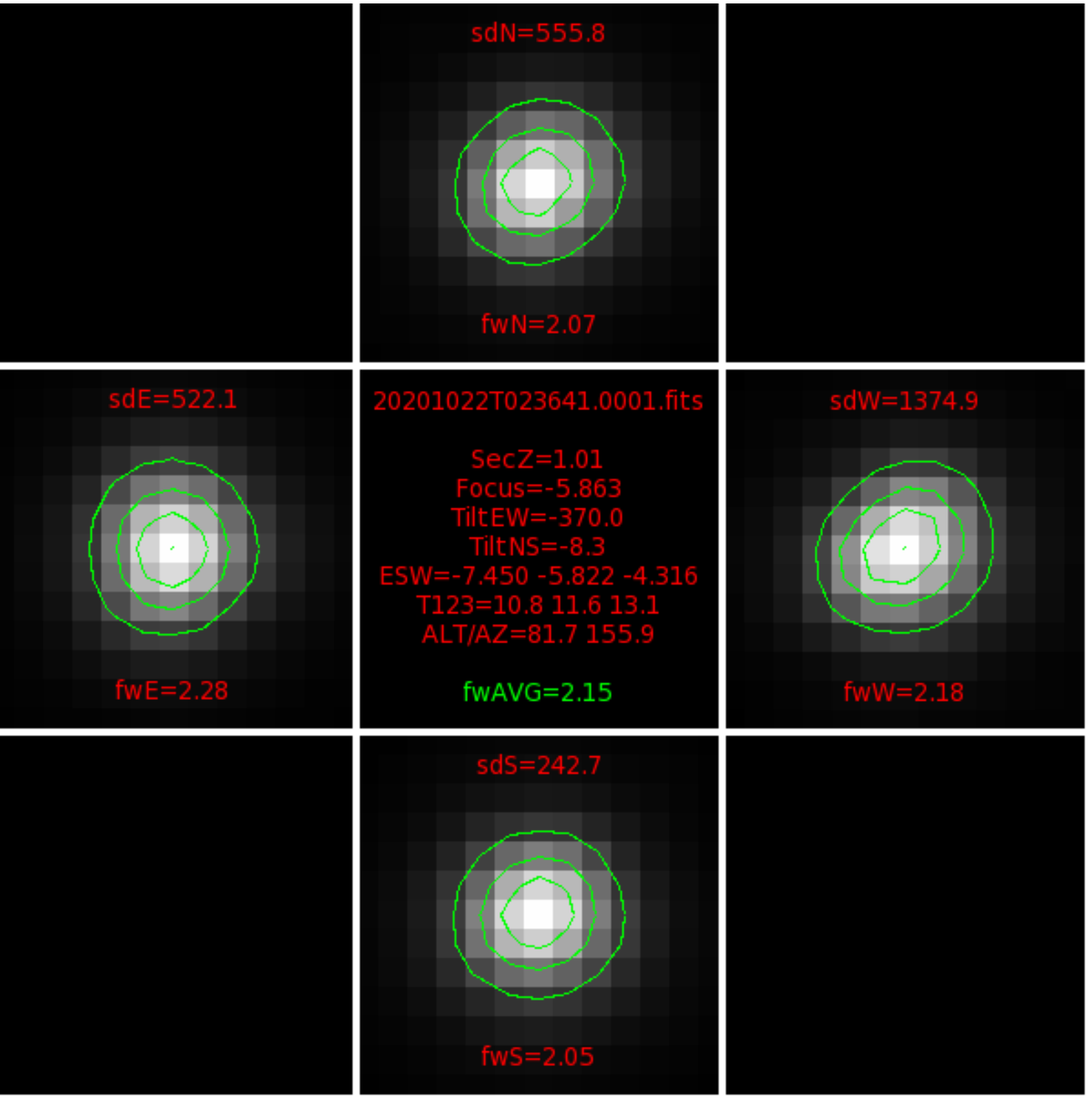
sdN=555.8
fwN=2.07
sdE=522.1
fwE=2.28
20201022T023641.0001.fits
SecZ=1.01
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.8 11.6 13.1
ALT/AZ=81.7 155.9
fwAVG=2.15
sdW=1374.9
fwW=2.18
sdS=242.7
fwS=2.05
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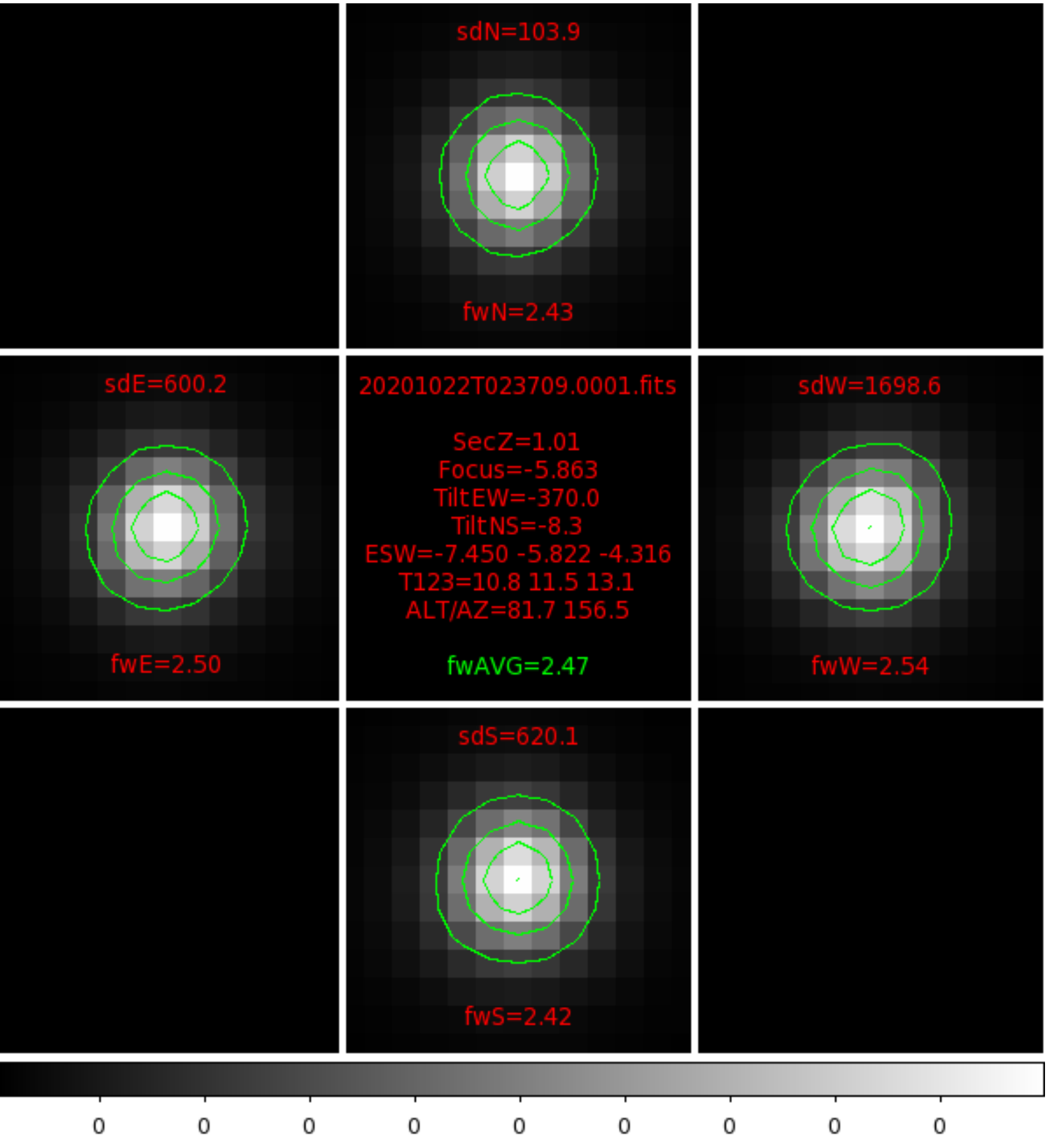
sdN=103.9
fwN=2.43
sdE=600.2
fwE=2.50
20201022T023709.0001.fits
SecZ=1.01
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.8 11.5 13.1
ALT/AZ=81.7 156.5
fwAVG=2.47
sdW=1698.6
fwW=2.54
sdS=620.1
fwS=2.42
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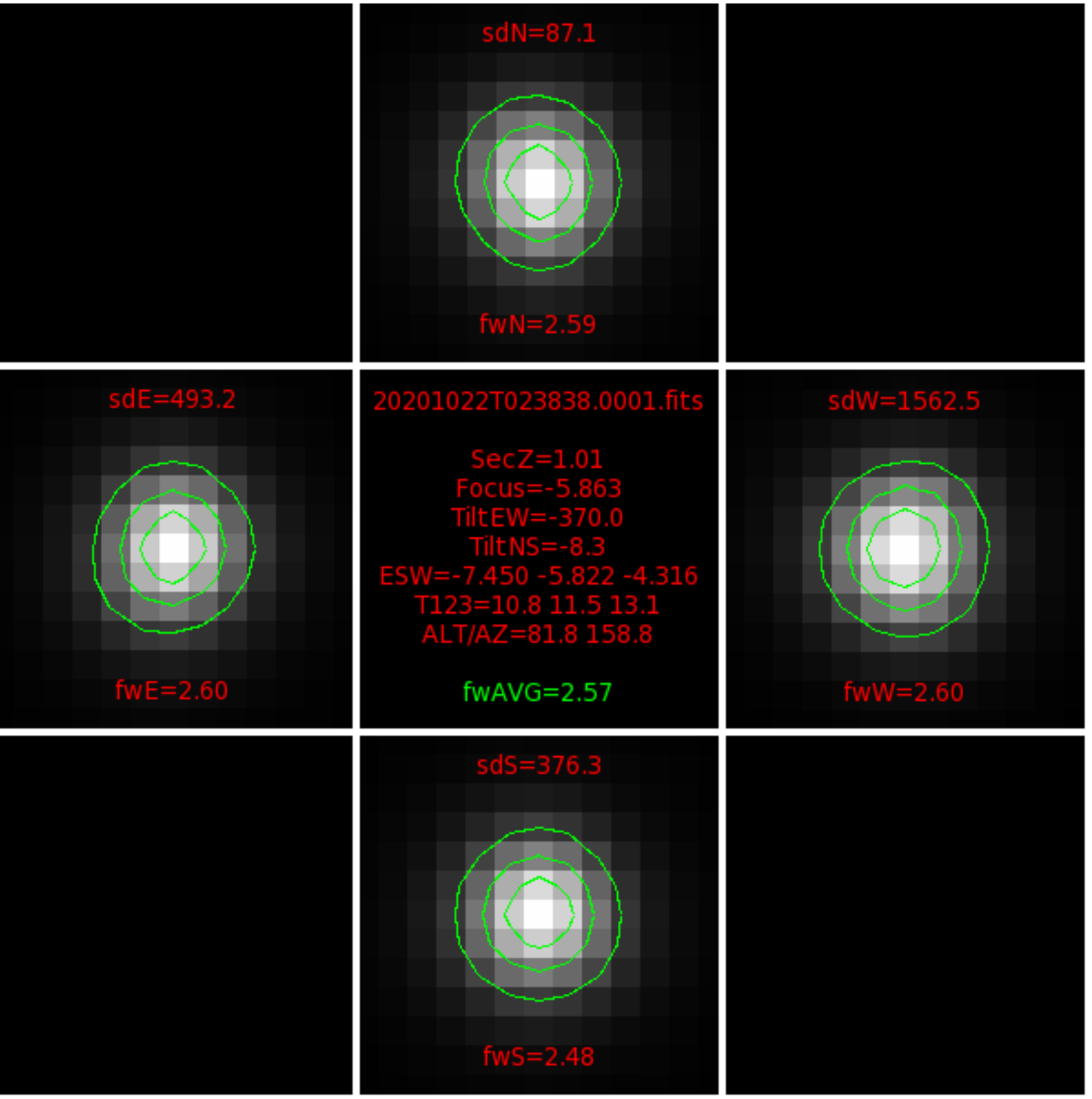
sdN=87.1
fwN=2.59
sdE=493.2
fwE=2.60
20201022T023838.0001.fits
SecZ=1.01
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.8 11.5 13.1
ALT/AZ=81.8 158.8
fwAVG=2.57
sdW=1562.5
fwW=2.60
sdS=376.3
fwS=2.48
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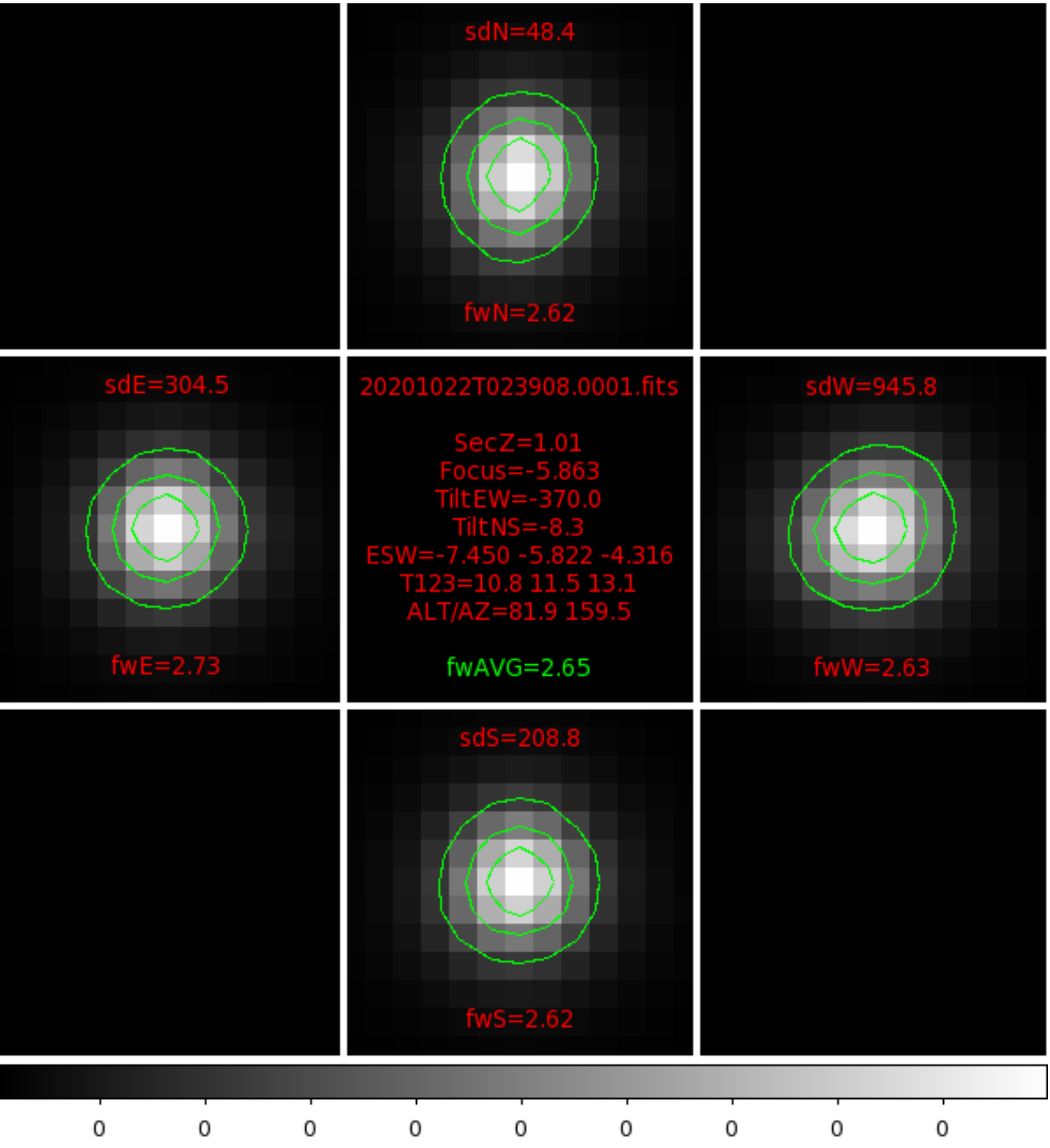
sdN=48.4
fwN=2.62
sdE=304.5
fwE=2.73
20201022T023908.0001.fits
SecZ=1.01
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.8 11.5 13.1
ALT/AZ=81.9 159.5
fwAVG=2.65
sdW=945.8
fwW=2.63
sdS=208.8
fwS=2.62
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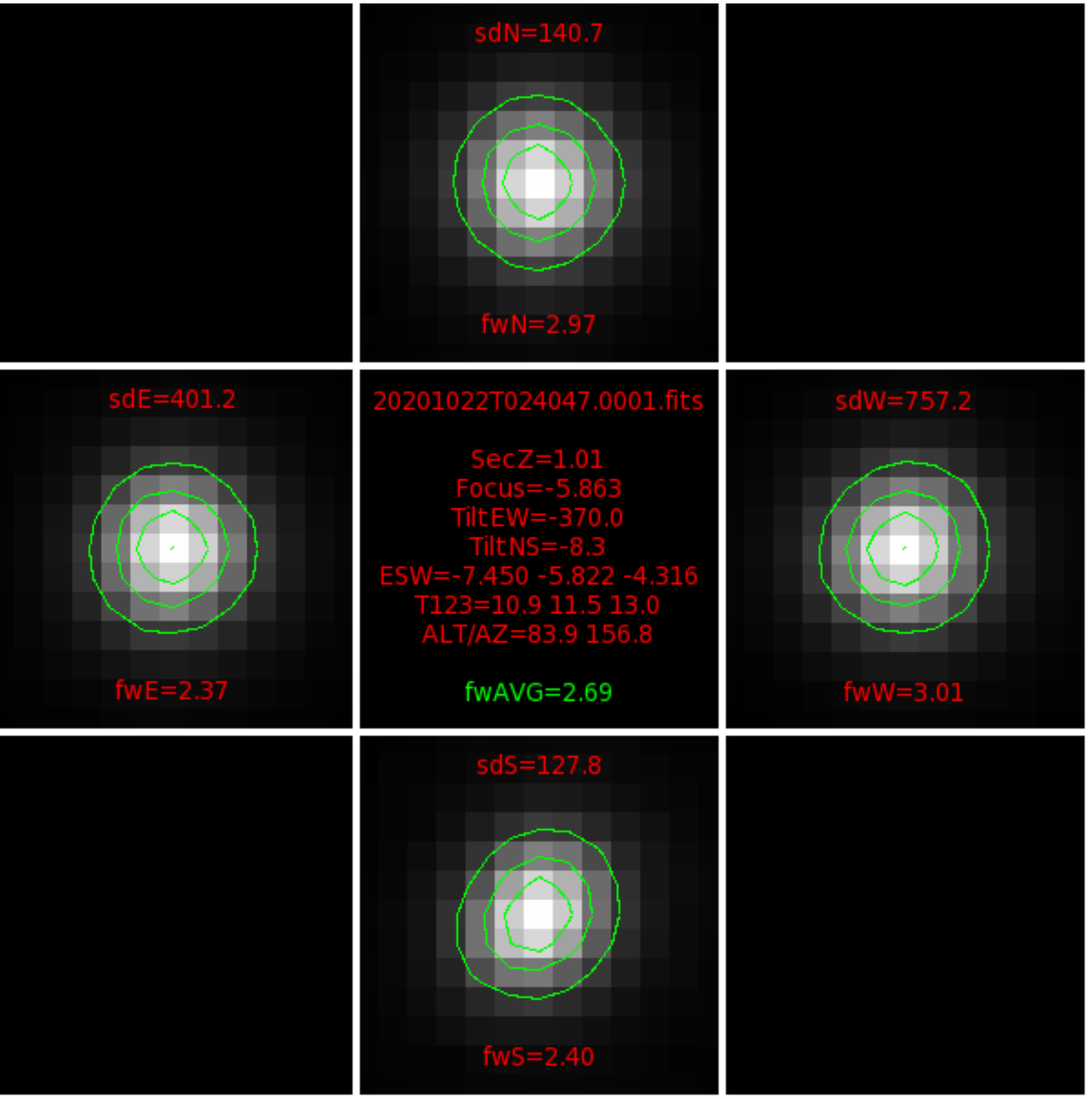
sdN=140.7
fwN=2.97
sdE=401.2
fwE=2.37
20201022T024047.0001.fits
SecZ=1.01
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.9 11.5 13.0
ALT/AZ=83.9 156.8
fwAVG=2.69
sdW=757.2
fwW=3.01
sdS=127.8
fwS=2.40
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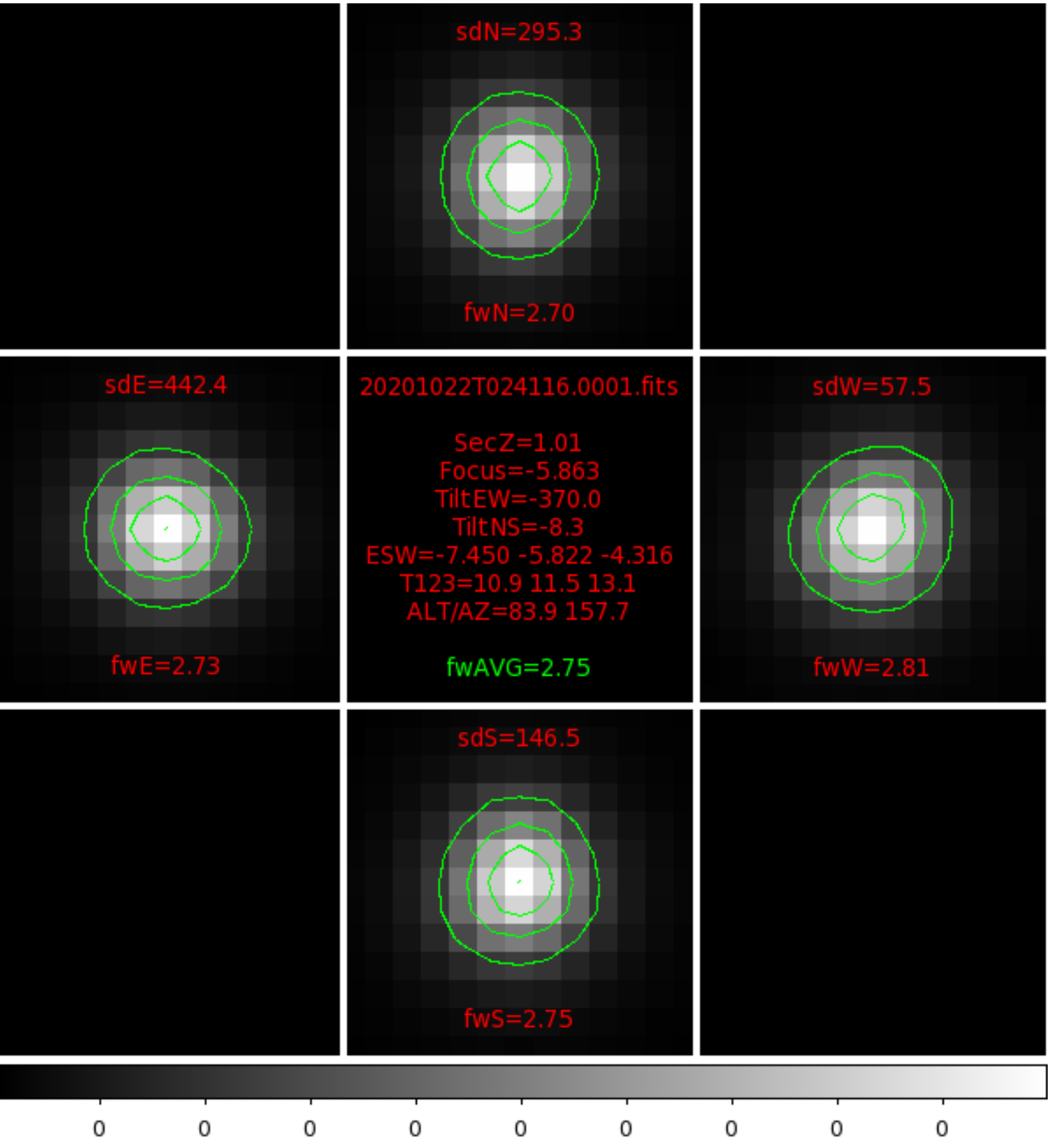
sdN=295.3
fwN=2.70
sdE=442.4
fwE=2.73
20201022T024116.0001.fits
SecZ=1.01
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.9 11.5 13.1
ALT/AZ=83.9 157.7
fwAVG=2.75
sdW=57.5
fwW=2.81
sdS=146.5
fwS=2.75
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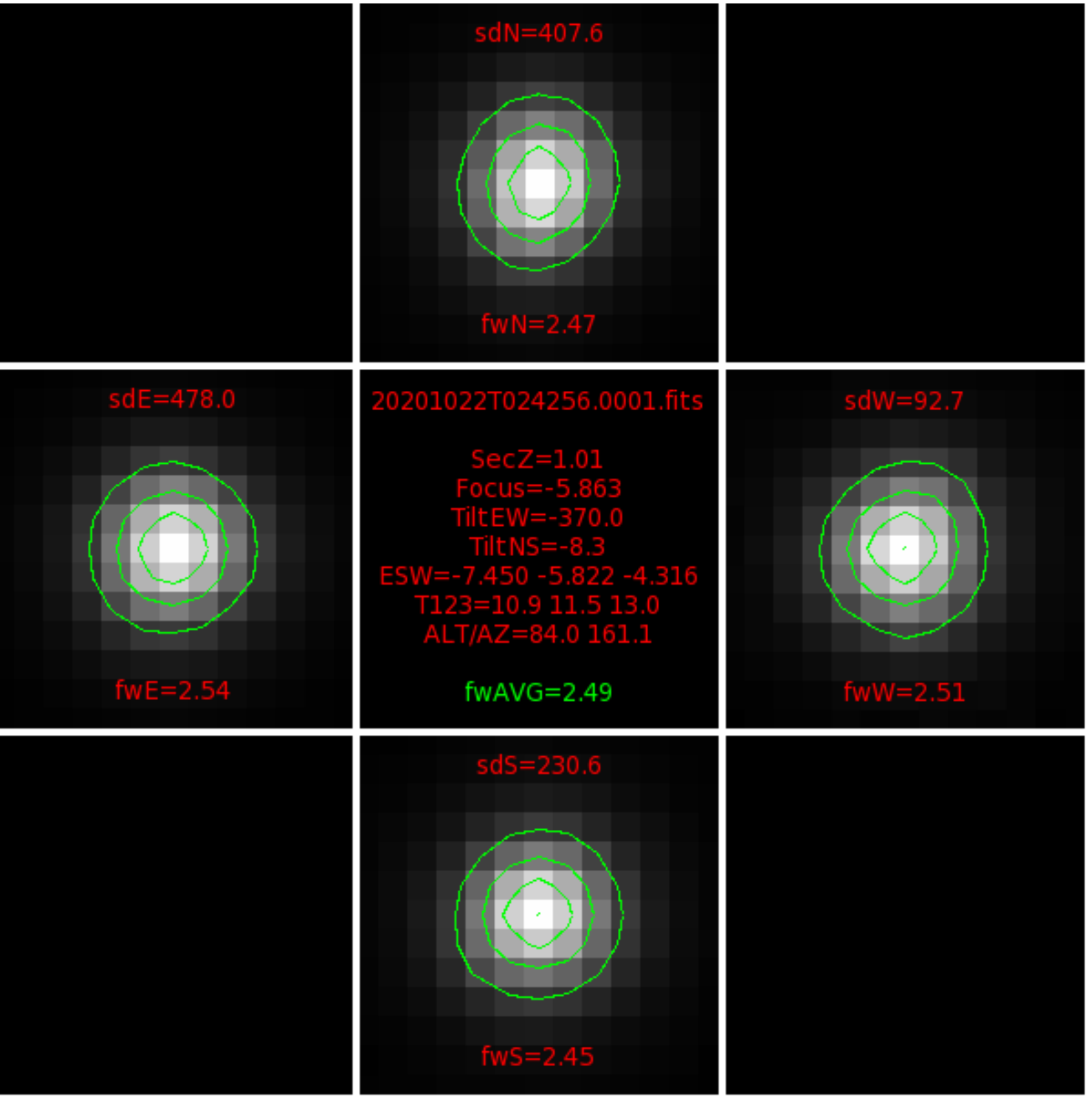
sdN=407.6
fwN=2.47
sdE=478.0
fwE=2.54
20201022T024256.0001.fits
SecZ=1.01
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.9 11.5 13.0
ALT/AZ=84.0 161.1
fwAVG=2.49
sdW=92.7
fwW=2.51
sdS=230.6
fwS=2.45
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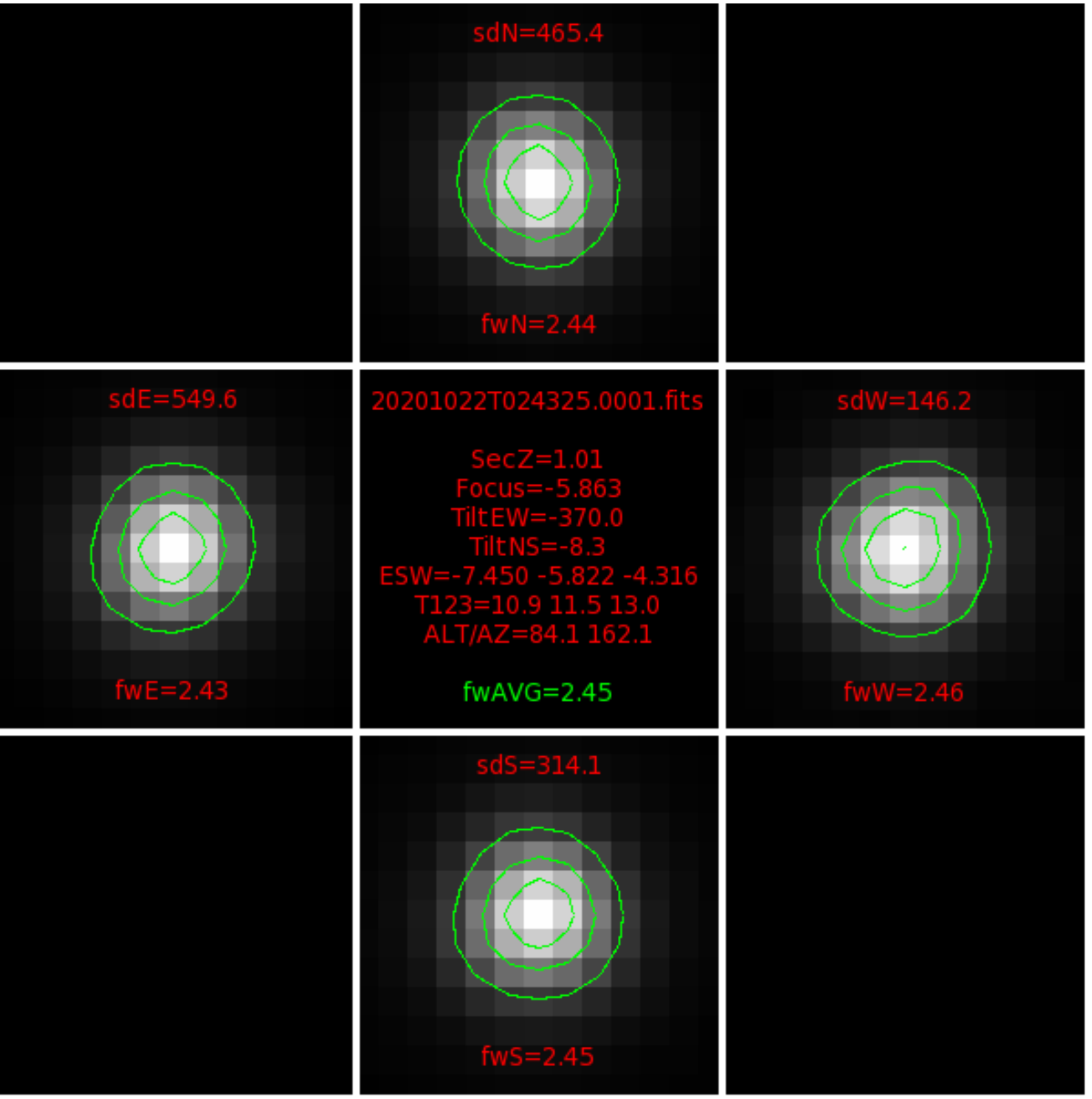
sdN=465.4
fwN=2.44
sdE=549.6
fwE=2.43
20201022T024325.0001.fits
SecZ=1.01
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=10.9 11.5 13.0
ALT/AZ=84.1 162.1
fwAVG=2.45
sdW=146.2
fwW=2.46
sdS=314.1
fwS=2.45
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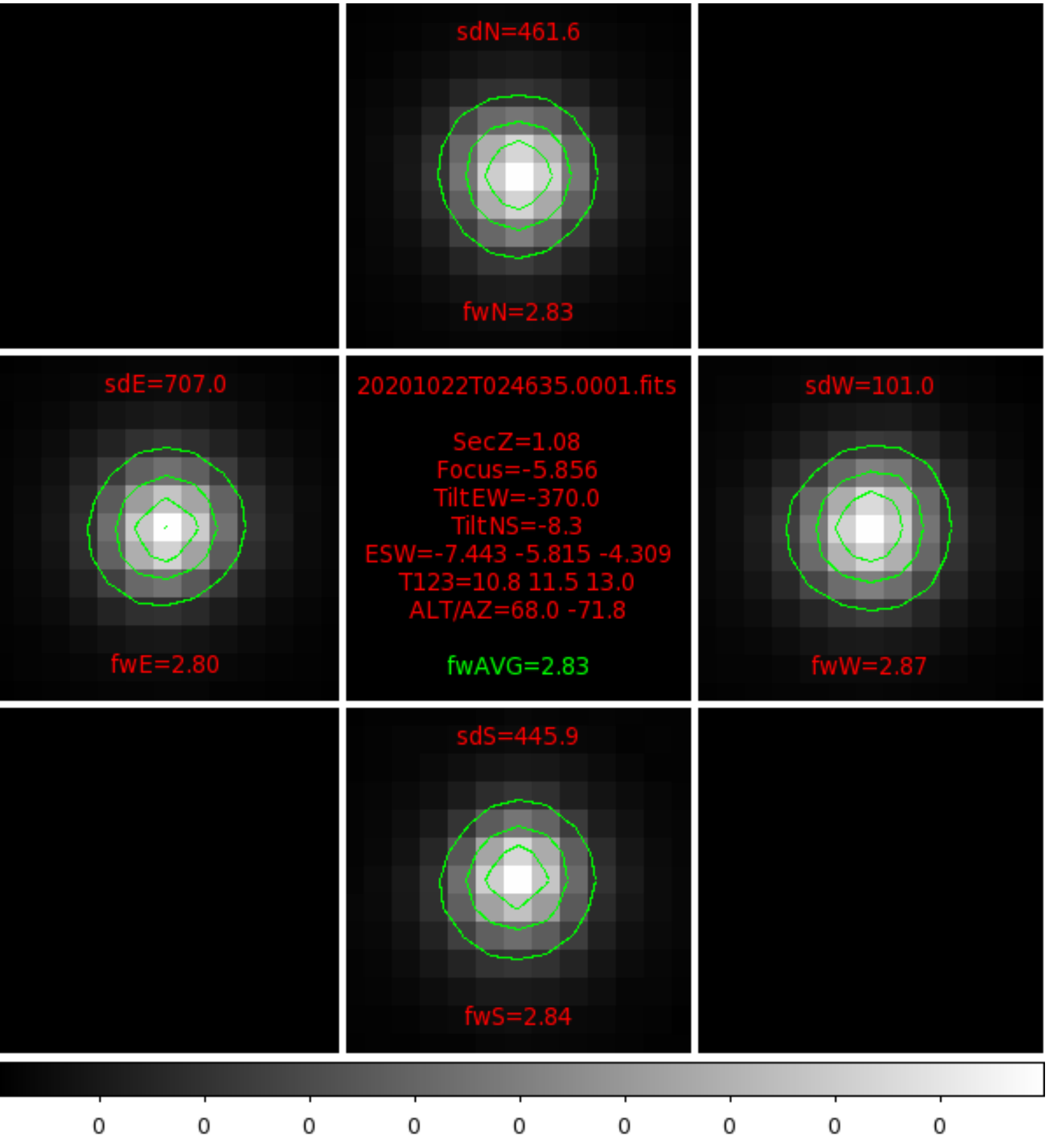
sdN=461.6
fwN=2.83
sdE=707.0
fwE=2.80
20201022T024635.0001.fits
SecZ=1.08
Focus=-5.856
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.443 -5.815 -4.309
T123=10.8 11.5 13.0
ALT/AZ=68.0 -71.8
fwAVG=2.83
sdW=101.0
fwW=2.87
sdS=445.9
fwS=2.84
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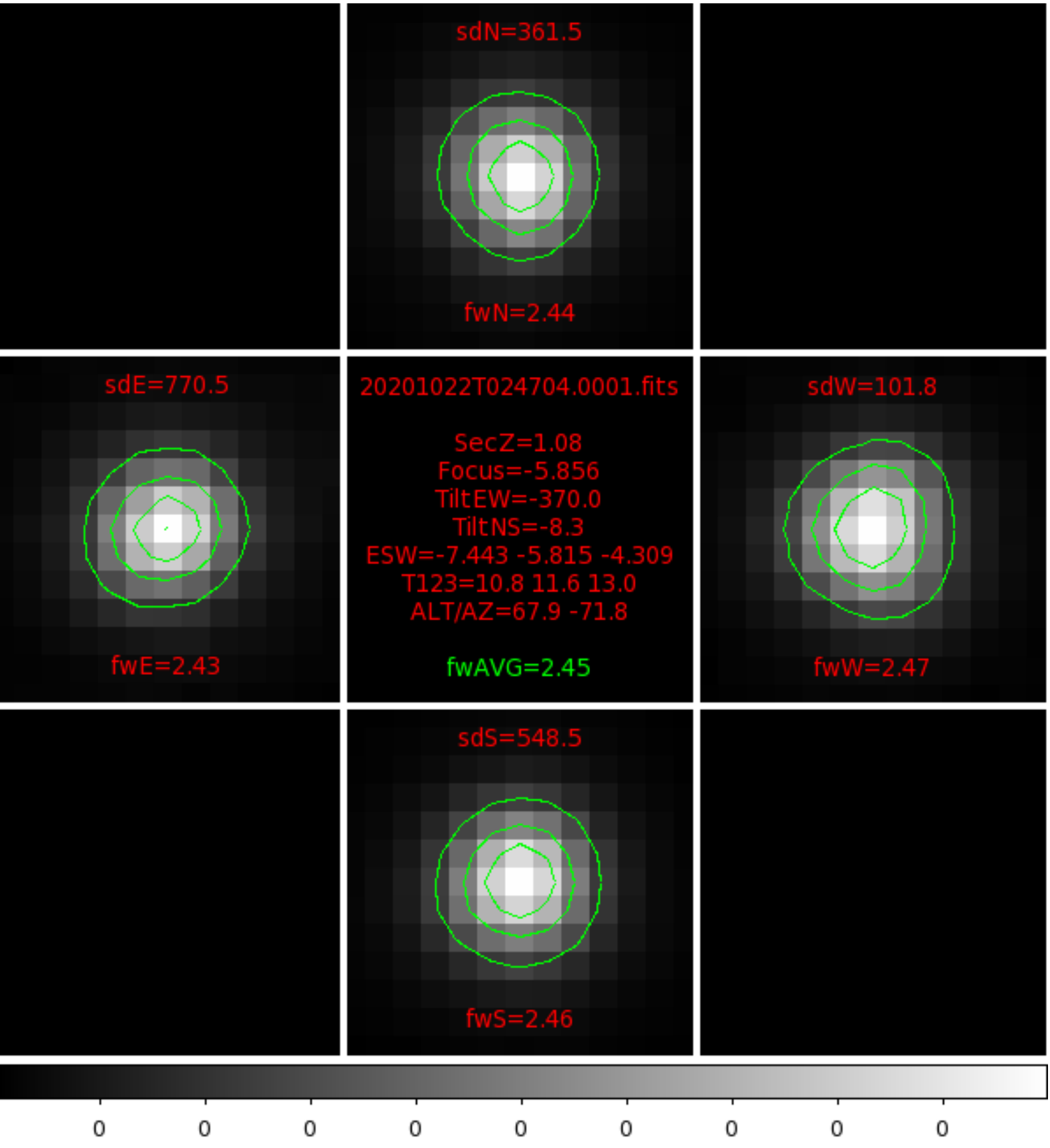
sdN=361.5
fwN=2.44
sdE=770.5
fwE=2.43
20201022T024704.0001.fits
SecZ=1.08
Focus=-5.856
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.443 -5.815 -4.309
T123=10.8 11.6 13.0
ALT/AZ=67.9 -71.8
fwAVG=2.45
sdW=101.8
fwW=2.47
sdS=548.5
fwS=2.46
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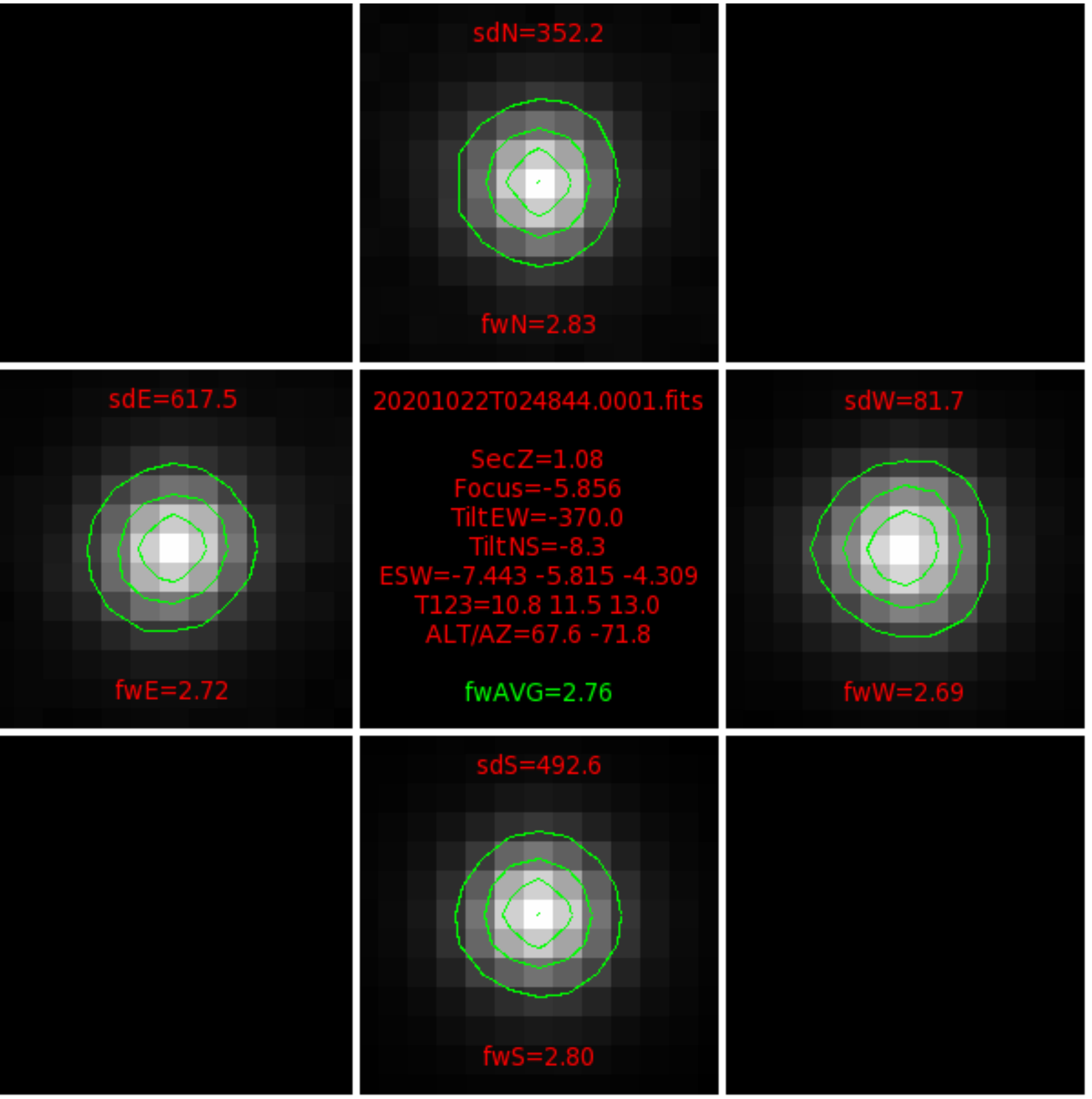
sdN=352.2
fwN=2.83
sdE=617.5
fwE=2.72
20201022T024844.0001.fits
SecZ=1.08
Focus=-5.856
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.443 -5.815 -4.309
T123=10.8 11.5 13.0
ALT/AZ=67.6 -71.8
fwAVG=2.76
sdW=81.7
fwW=2.69
sdS=492.6
fwS=2.80
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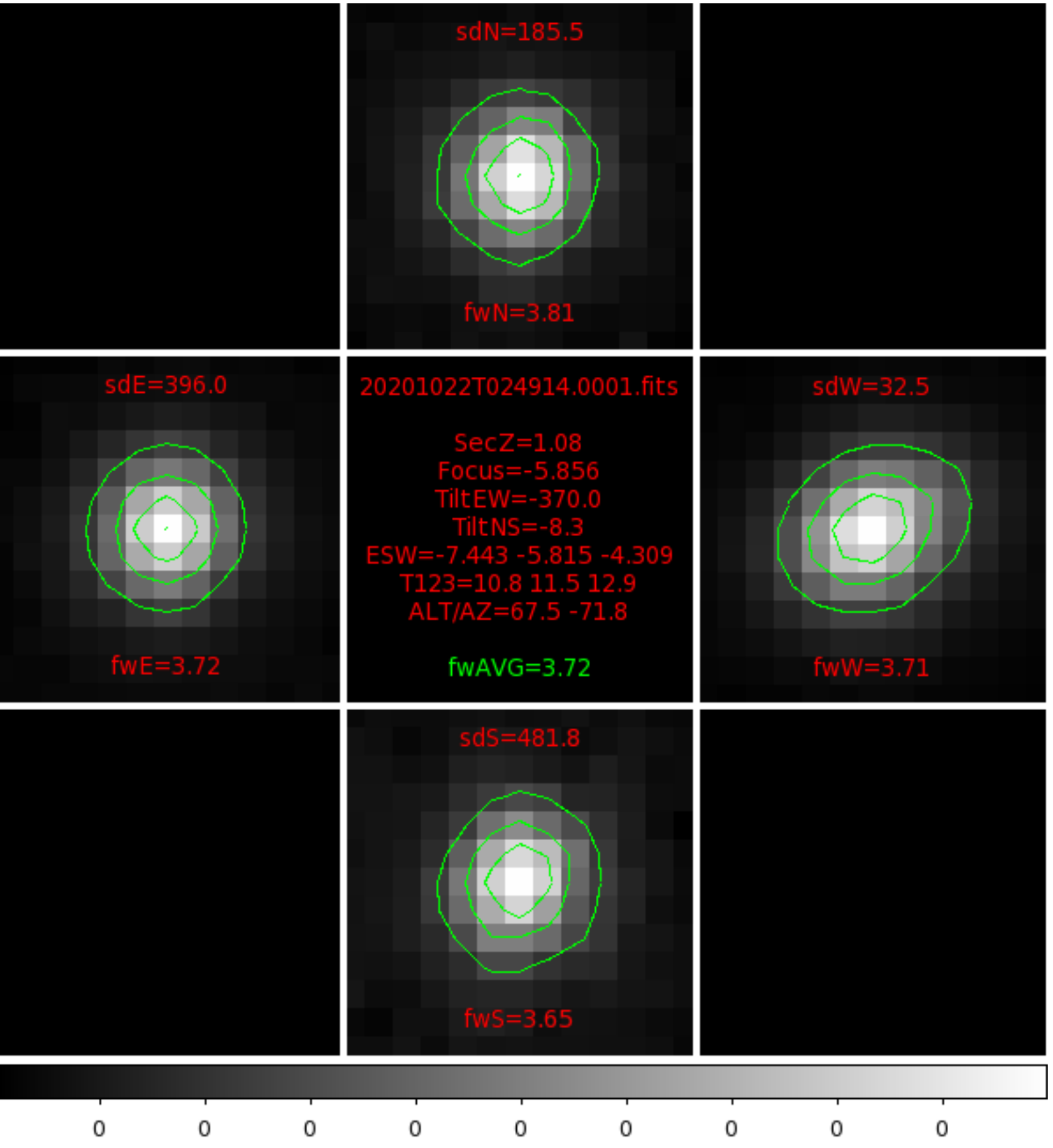
sdN=185.5
fwN=3.81
sdE=396.0
fwE=3.72
20201022T024914.0001.fits
SecZ=1.08
Focus=-5.856
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.443 -5.815 -4.309
T123=10.8 11.5 12.9
ALT/AZ=67.5 -71.8
fwAVG=3.72
sdW=32.5
fwW=3.71
sdS=481.8
fwS=3.65
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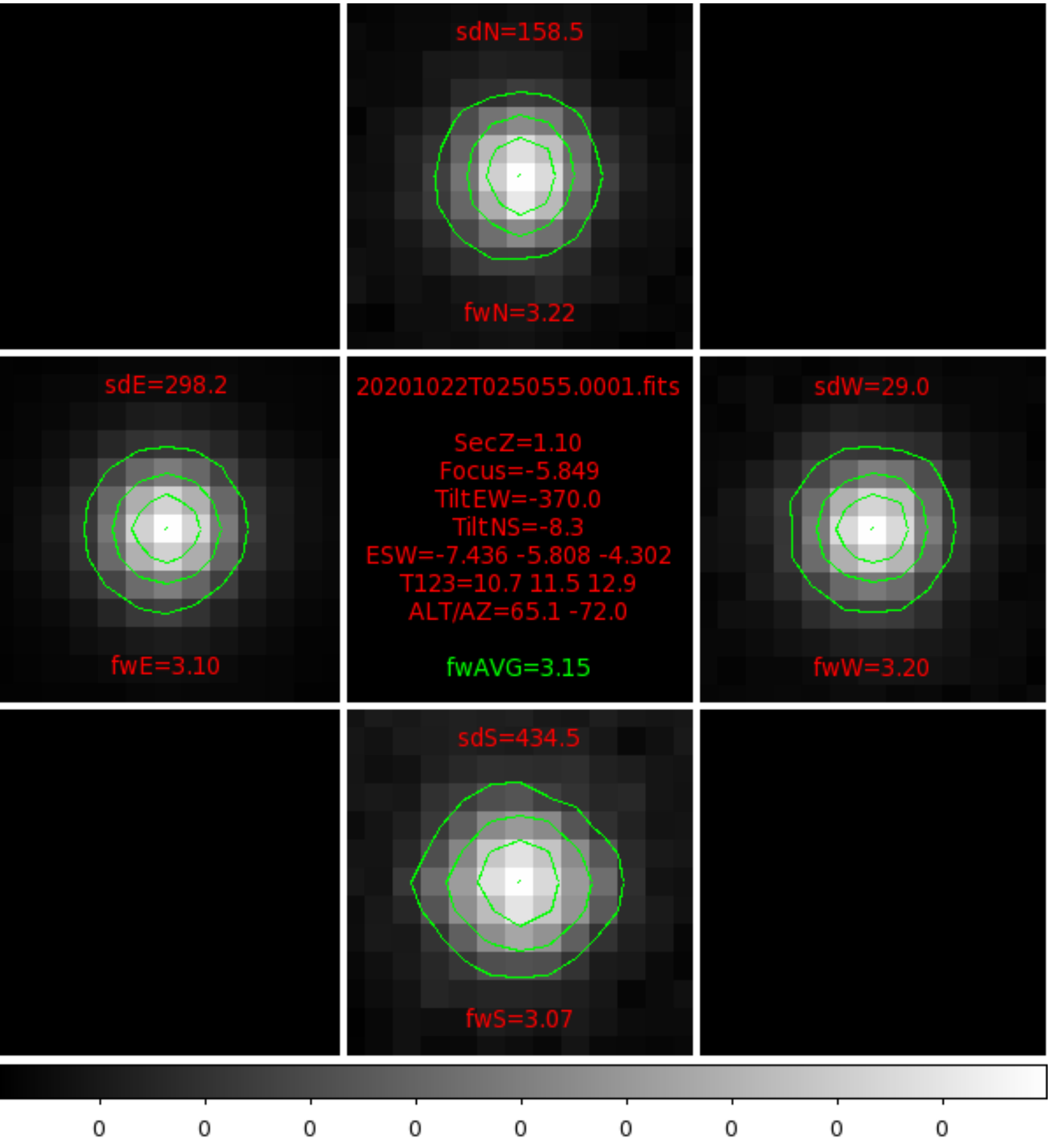
sdN=158.5
fwN=3.22
sdE=298.2
fwE=3.10
20201022T025055.0001.fits
SecZ=1.10
Focus=-5.849
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.436 -5.808 -4.302
T123=10.7 11.5 12.9
ALT/AZ=65.1 -72.0
fwAVG=3.15
sdW=29.0
fwW=3.20
sdS=434.5
fwS=3.07
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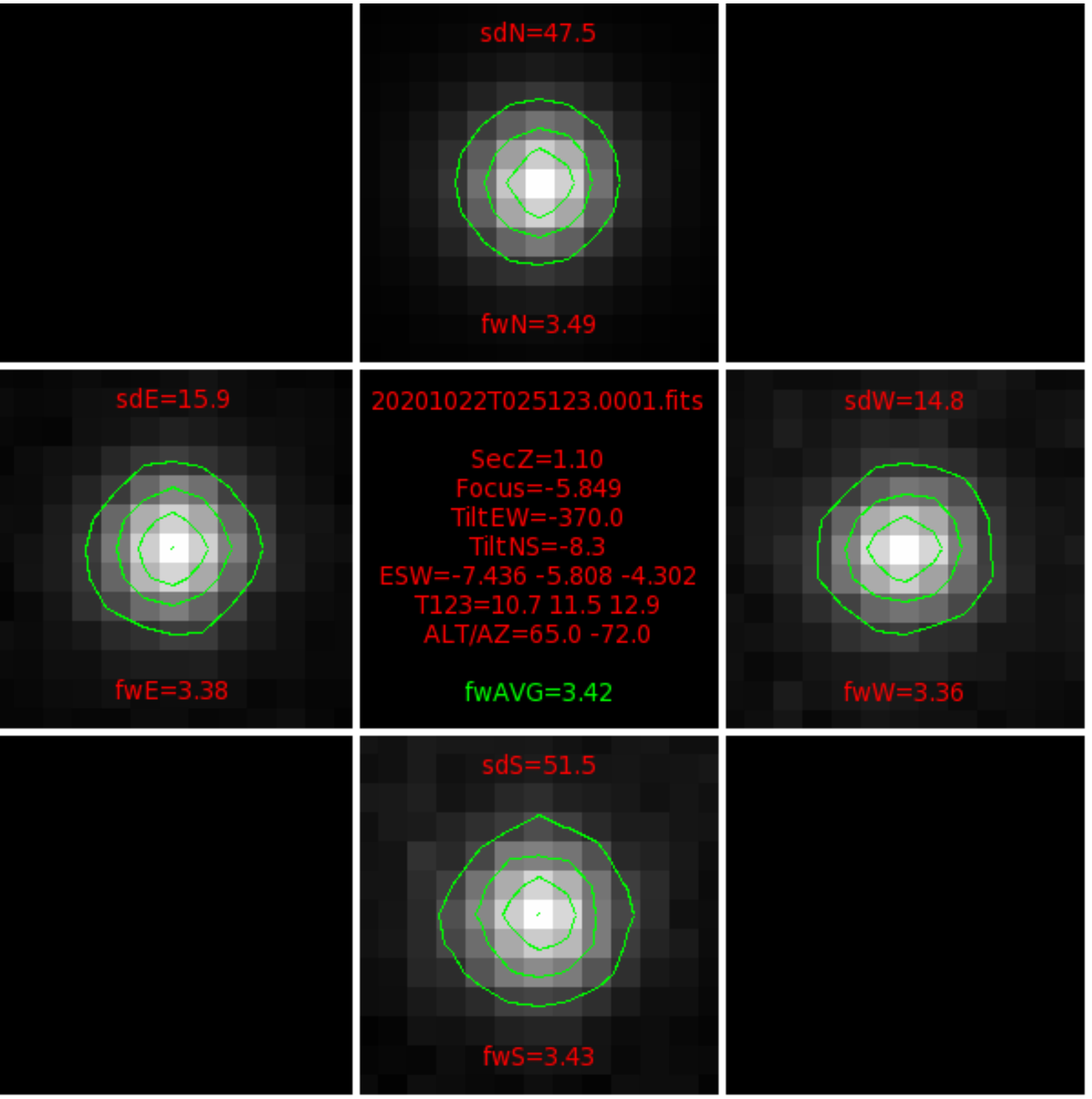
sdN=47.5
fwN=3.49
sdE=15.9
fwE=3.38
20201022T025123.0001.fits
SecZ=1.10
Focus=-5.849
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.436 -5.808 -4.302
T123=10.7 11.5 12.9
ALT/AZ=65.0 -72.0
fwAVG=3.42
sdW=14.8
fwW=3.36
sdS=51.5
fwS=3.43
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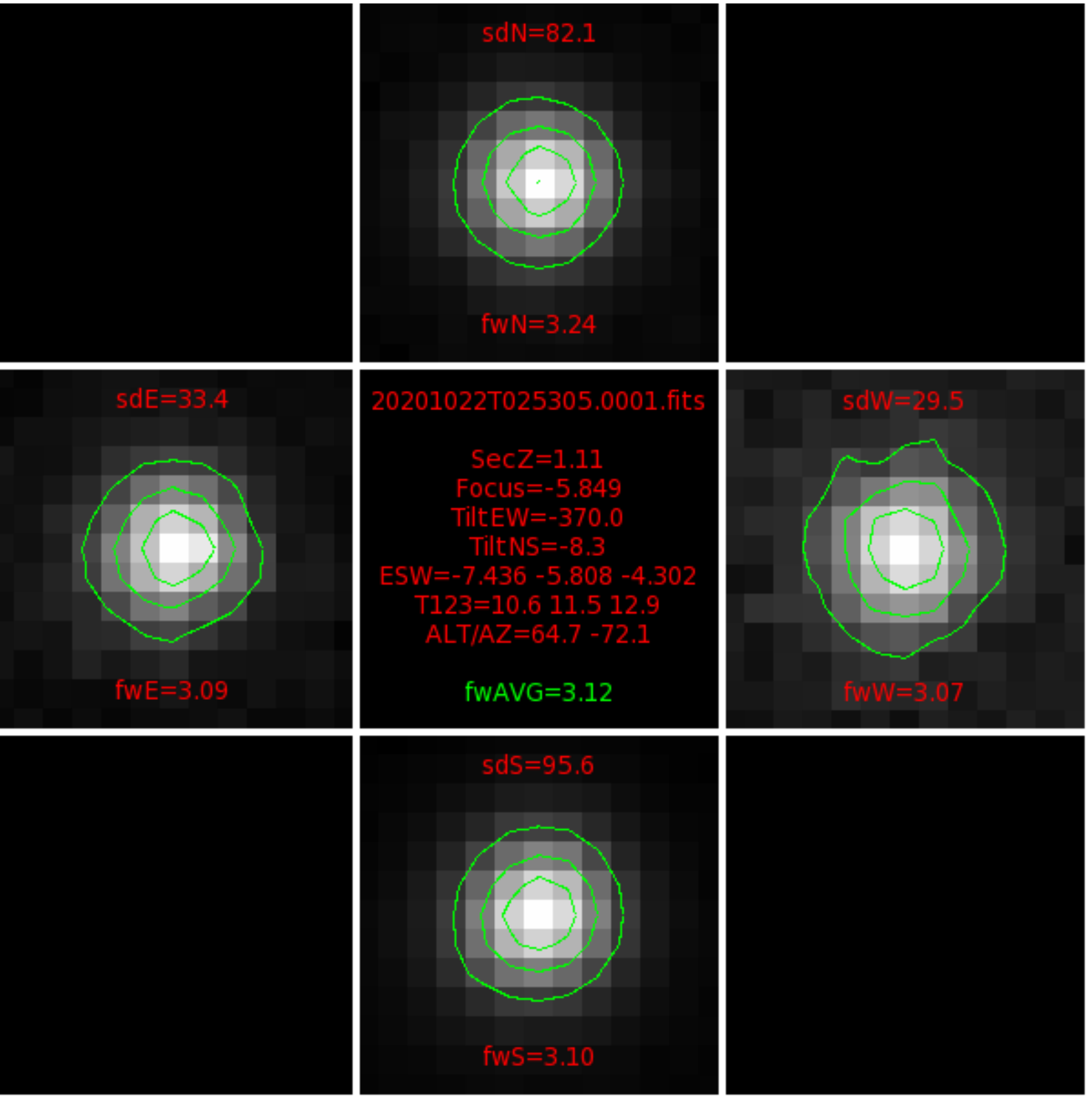
sdN=82.1
fwN=3.24
sdE=33.4
fwE=3.09
20201022T025305.0001.fits
SecZ=1.11
Focus=-5.849
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.436 -5.808 -4.302
T123=10.6 11.5 12.9
ALT/AZ=64.7 -72.1
fwAVG=3.12
sdW=29.5
fwW=3.07
sdS=95.6
fwS=3.10
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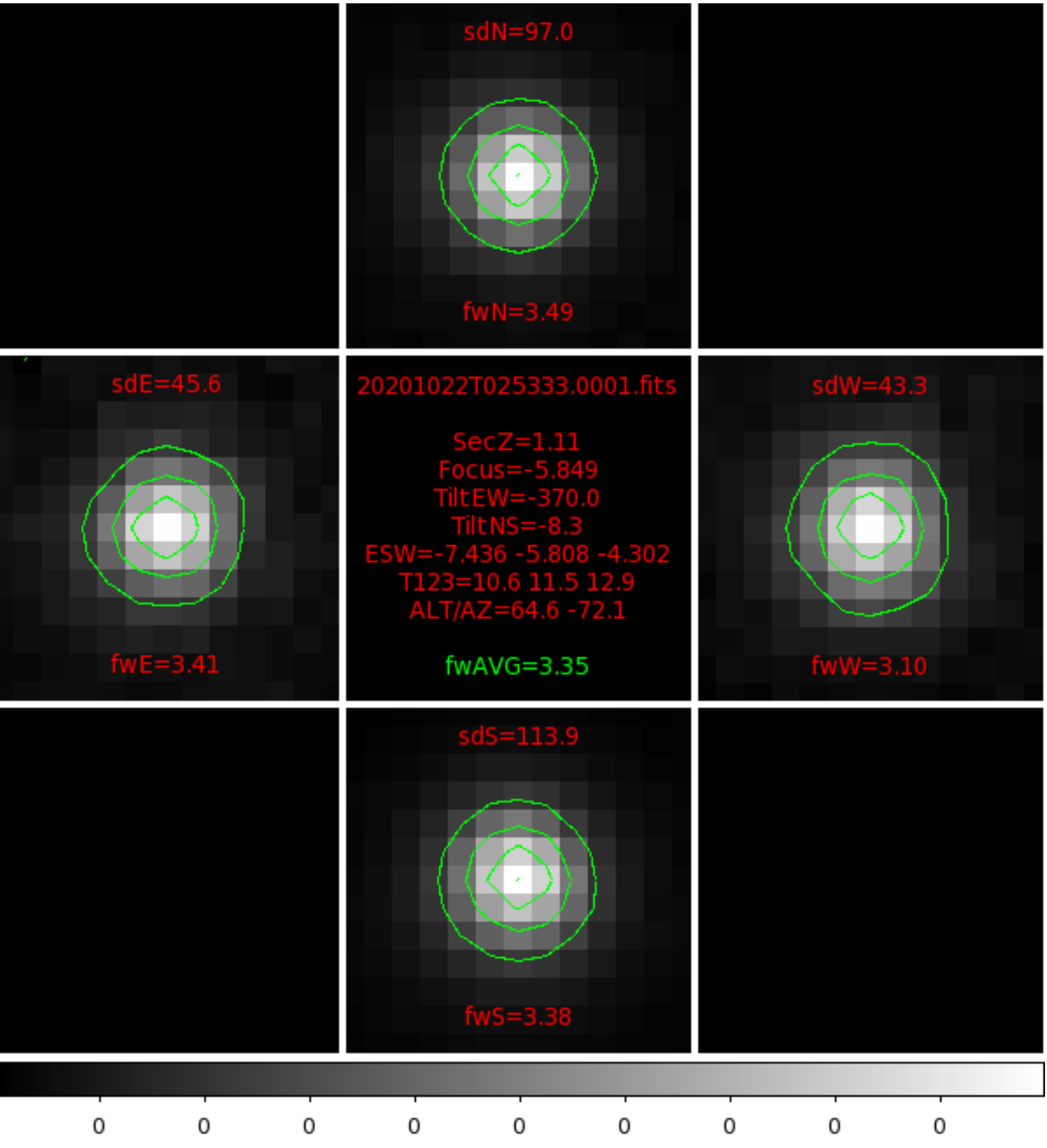
sdN=97.0
fwN=3.49
sdE=45.6
fwE=3.41
20201022T025333.0001.fits
SecZ=1.11
Focus=-5.849
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.436 -5.808 -4.302
T123=10.6 11.5 12.9
ALT/AZ=64.6 -72.1
fwAVG=3.35
sdW=43.3
fwW=3.10
sdS=113.9
fwS=3.38
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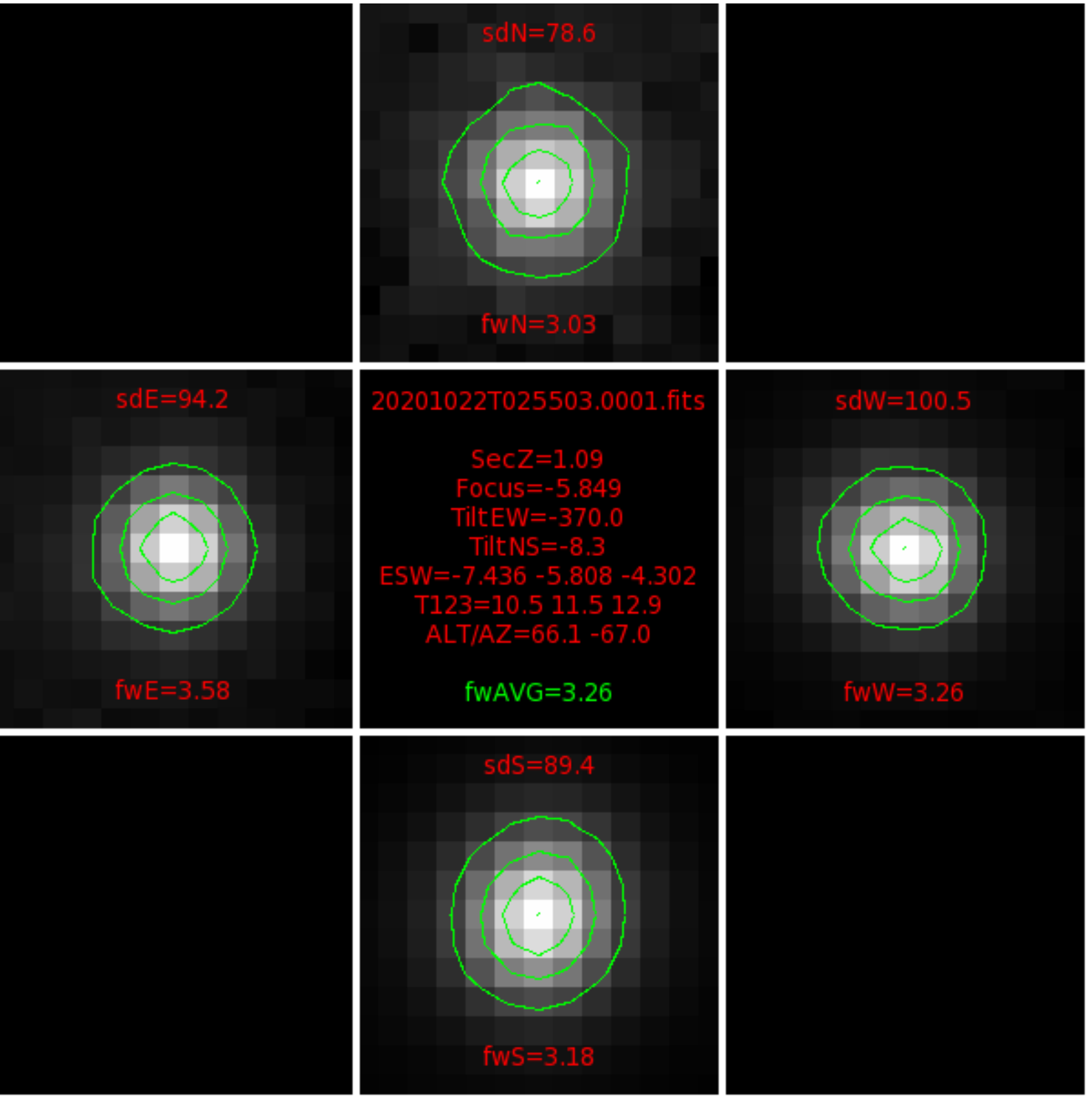
sdN=78.6
fwN=3.03
sdE=94.2
fwE=3.58
20201022T025503.0001.fits
SecZ=1.09
Focus=-5.849
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.436 -5.808 -4.302
T123=10.5 11.5 12.9
ALT/AZ=66.1 -67.0
fwAVG=3.26
sdW=100.5
fwW=3.26
sdS=89.4
fwS=3.18
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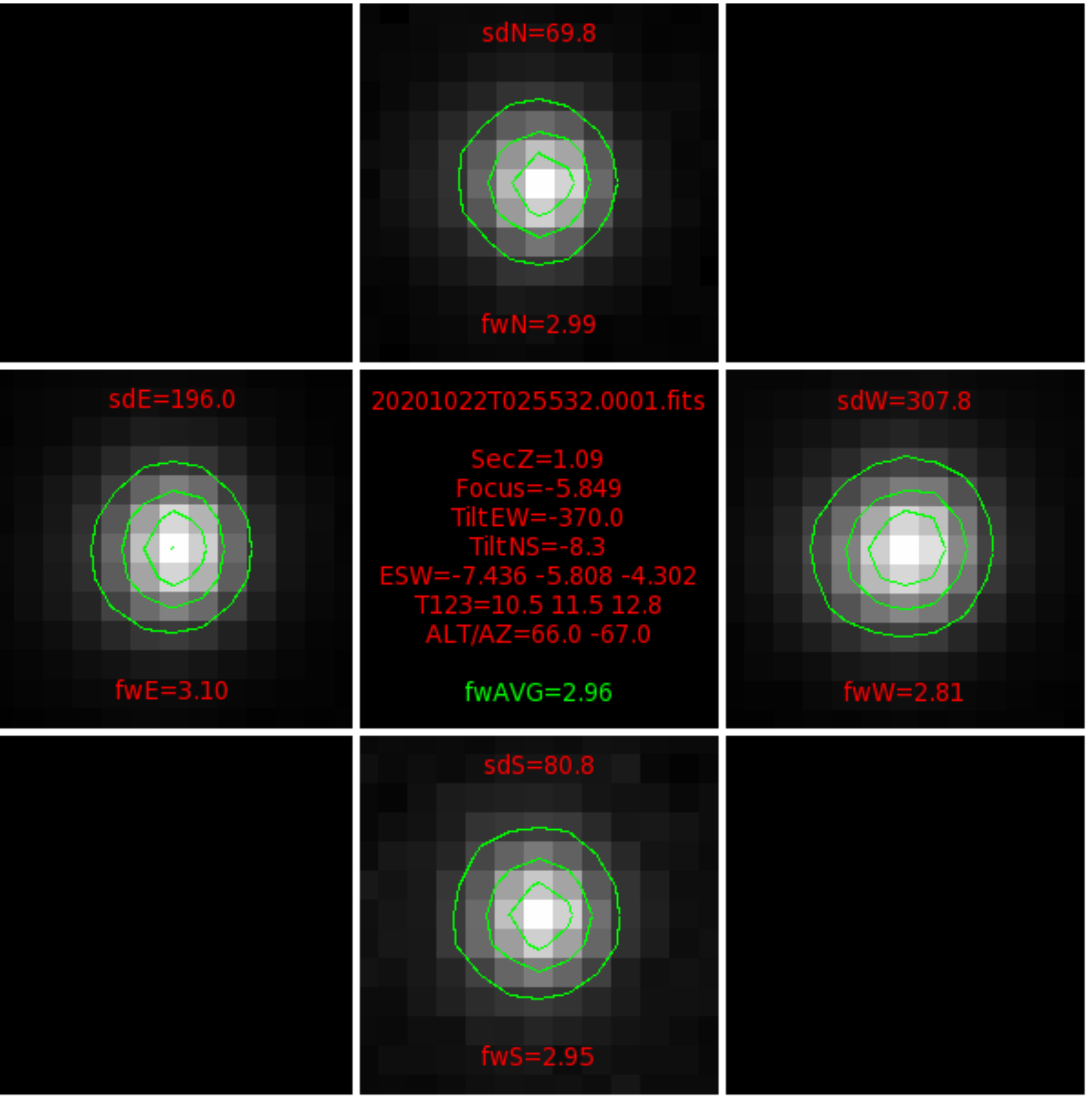
sdN=69.8
fwN=2.99
sdE=196.0
fwE=3.10
20201022T025532.0001.fits
SecZ=1.09
Focus=-5.849
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.436 -5.808 -4.302
T123=10.5 11.5 12.8
ALT/AZ=66.0 -67.0
fwAVG=2.96
sdW=307.8
fwW=2.81
sdS=80.8
fwS=2.95
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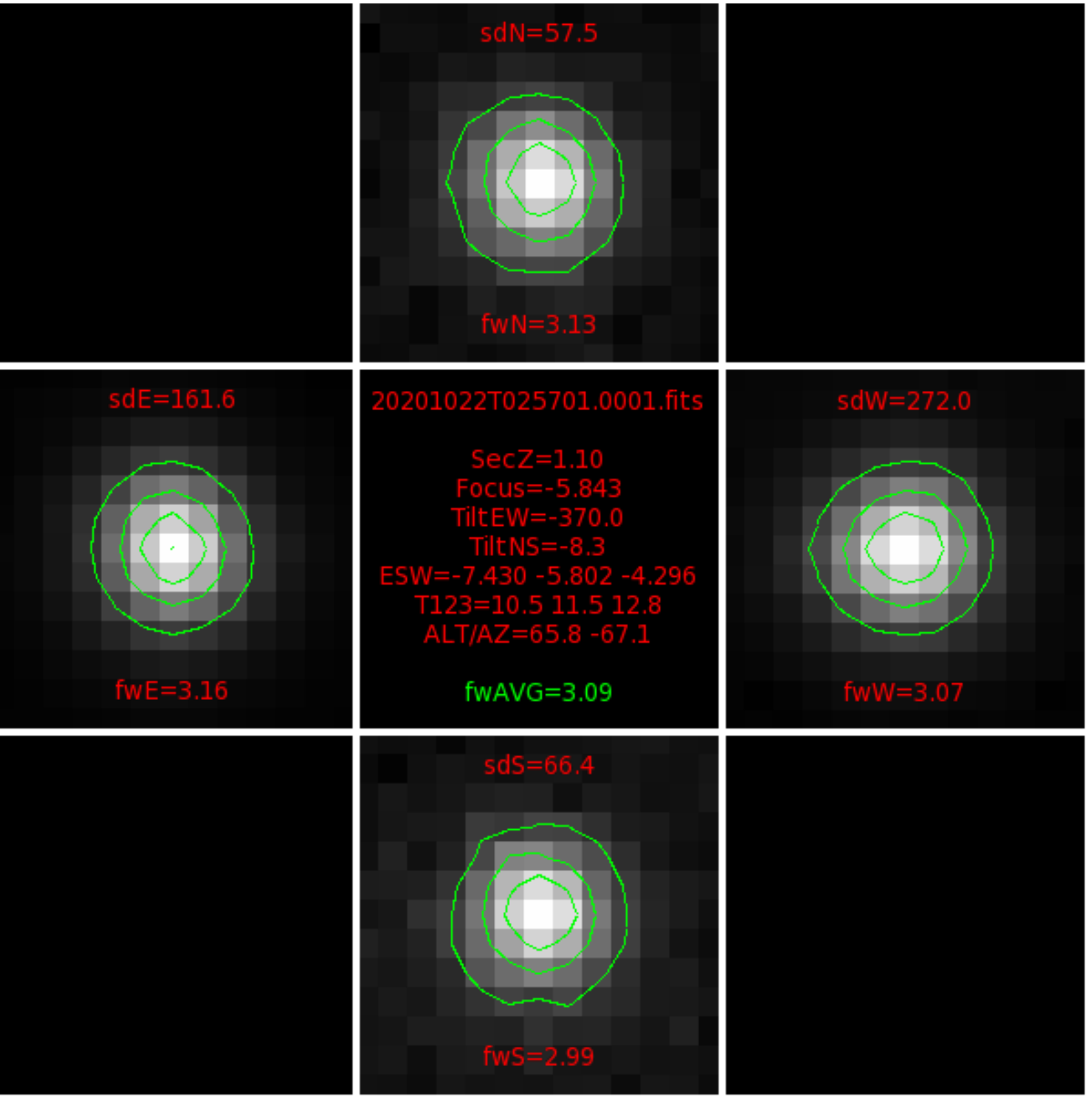
sdN=57.5
fwN=3.13
sdE=161.6
fwE=3.16
20201022T025701.0001.fits
SecZ=1.10
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=10.5 11.5 12.8
ALT/AZ=65.8 -67.1
fwAVG=3.09
sdW=272.0
fwW=3.07
sdS=66.4
fwS=2.99
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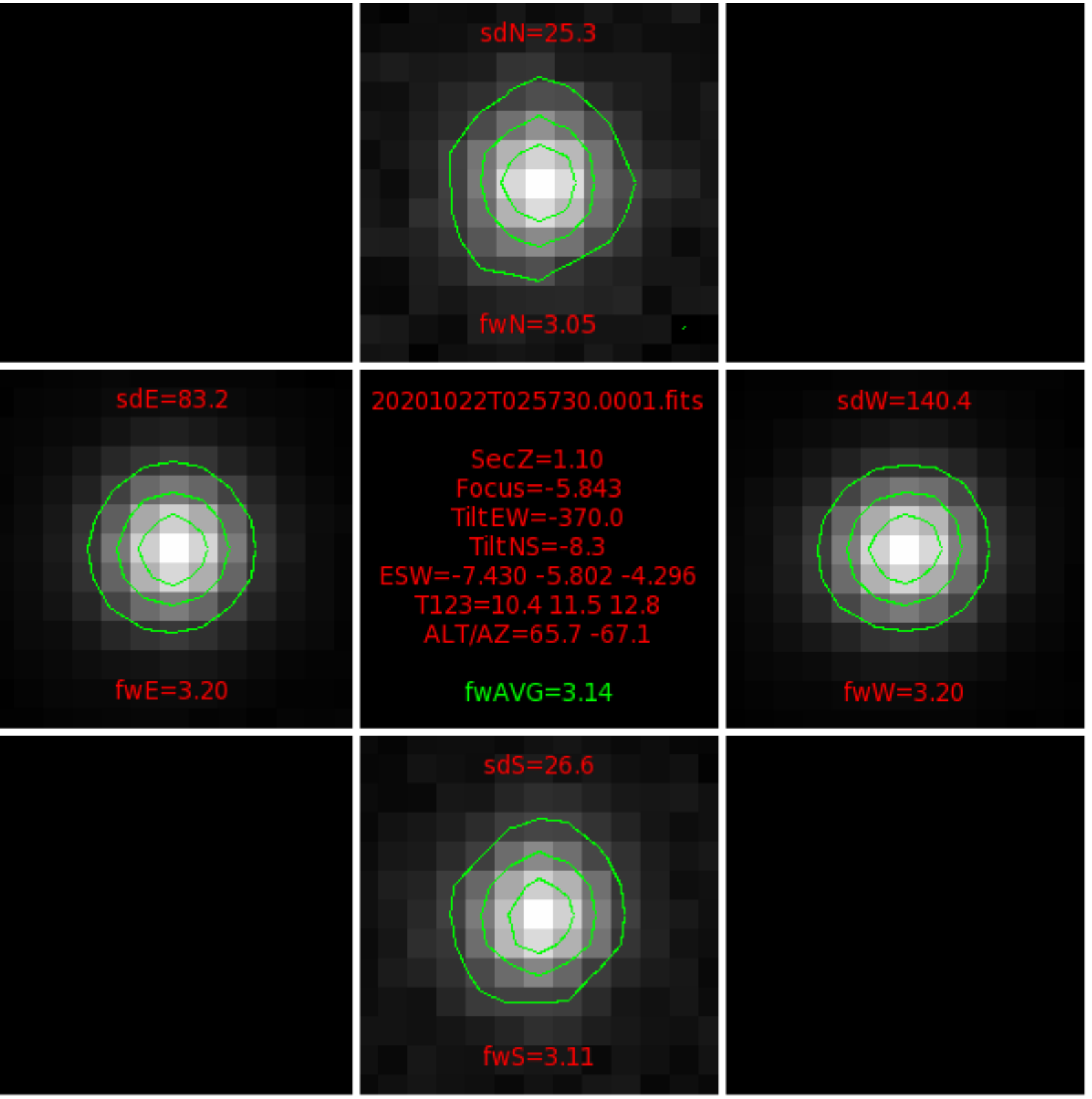
sdN=25.3
fwN=3.05
sdE=83.2
fwE=3.20
20201022T025730.0001.fits
SecZ=1.10
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=10.4 11.5 12.8
ALT/AZ=65.7 -67.1
fwAVG=3.14
sdW=140.4
fwW=3.20
sdS=26.6
fwS=3.11
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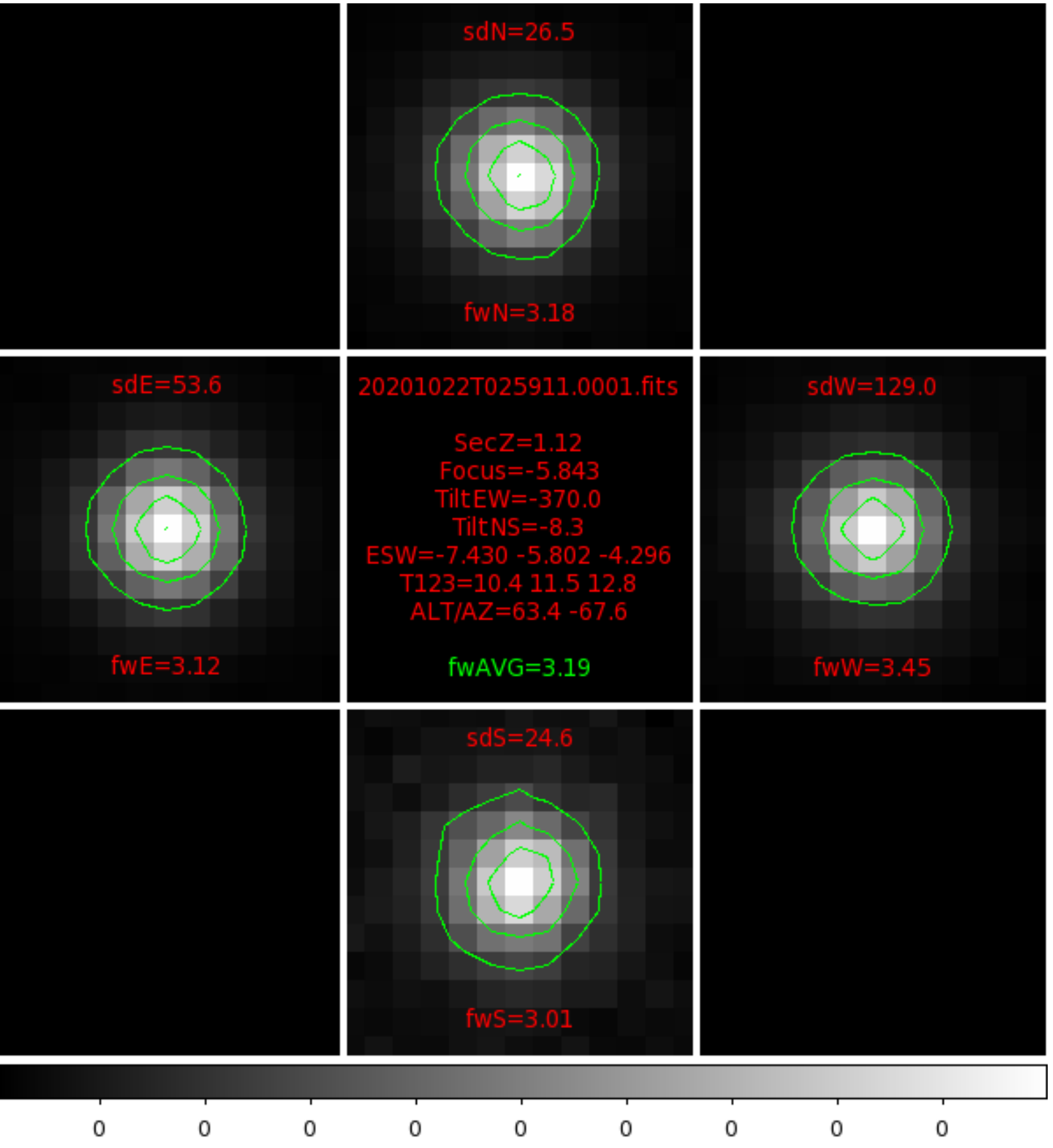
sdN=26.5
fwN=3.18
sdE=53.6
fwE=3.12
20201022T025911.0001.fits
SecZ=1.12
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=10.4 11.5 12.8
ALT/AZ=63.4 -67.6
fwAVG=3.19
sdW=129.0
fwW=3.45
sdS=24.6
fwS=3.01
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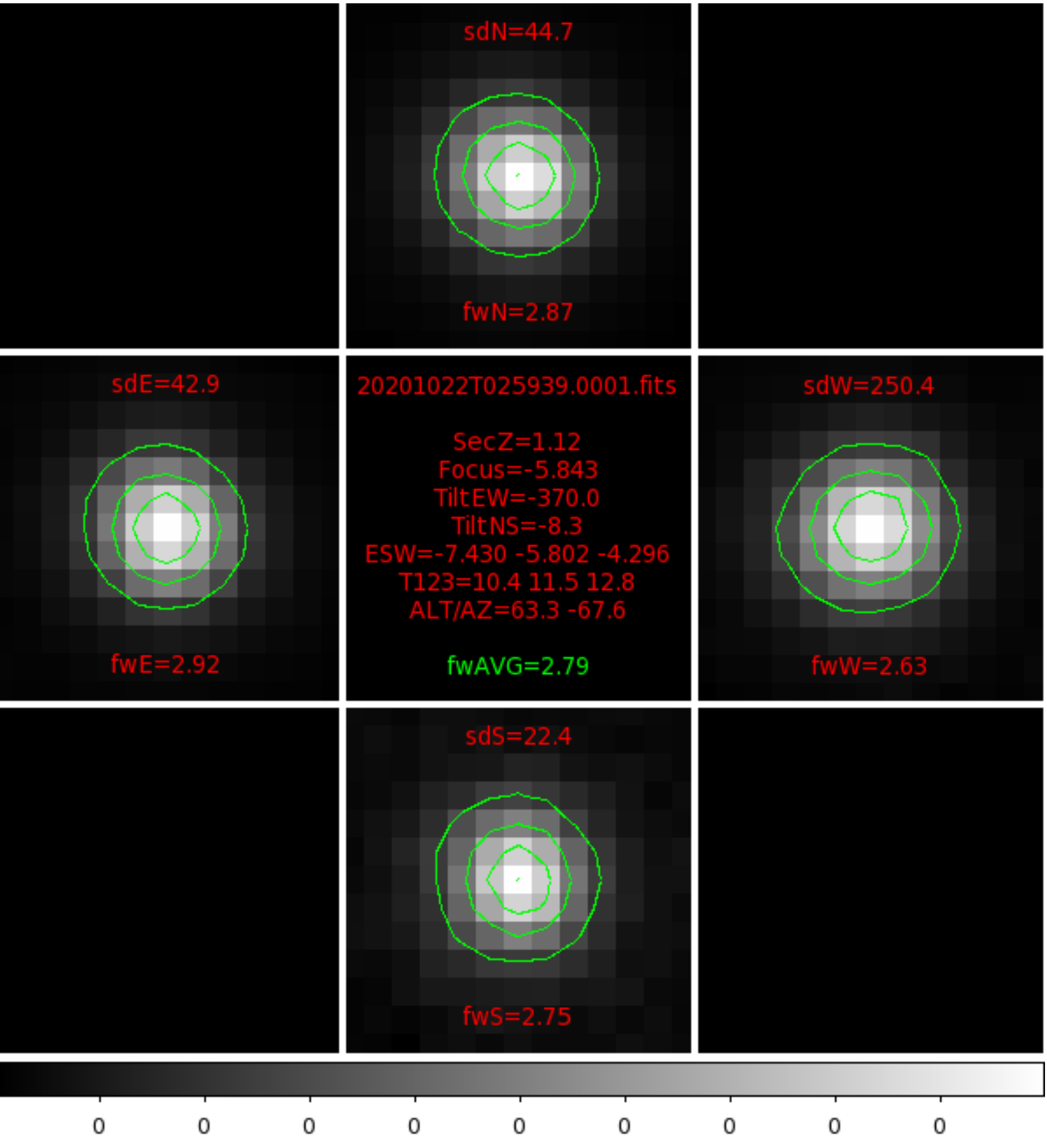
sdN=44.7
fwN=2.87
sdE=42.9
fwE=2.92
20201022T025939.0001.fits
SecZ=1.12
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=10.4 11.5 12.8
ALT/AZ=63.3 -67.6
fwAVG=2.79
sdW=250.4
fwW=2.63
sdS=22.4
fwS=2.75
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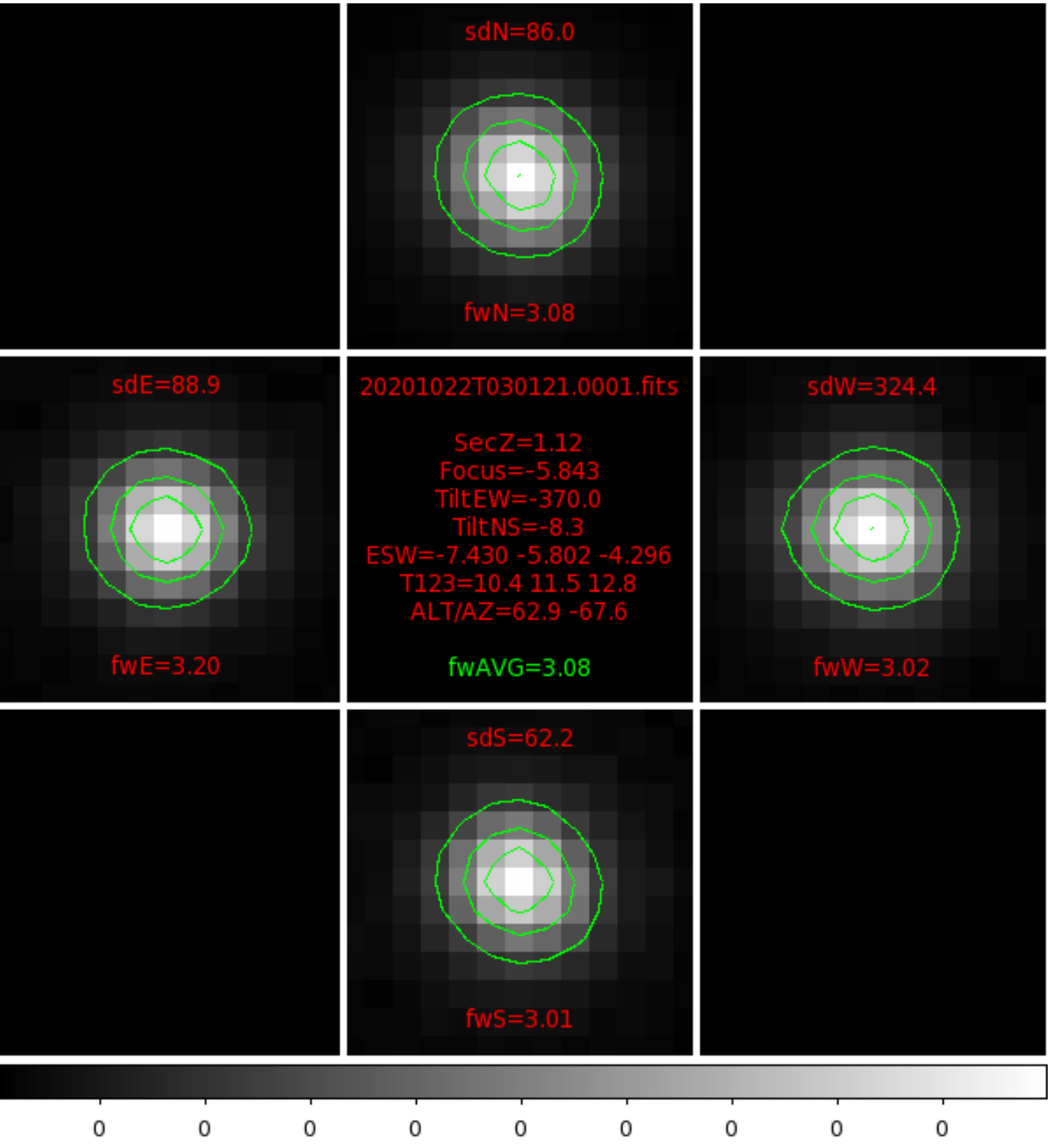
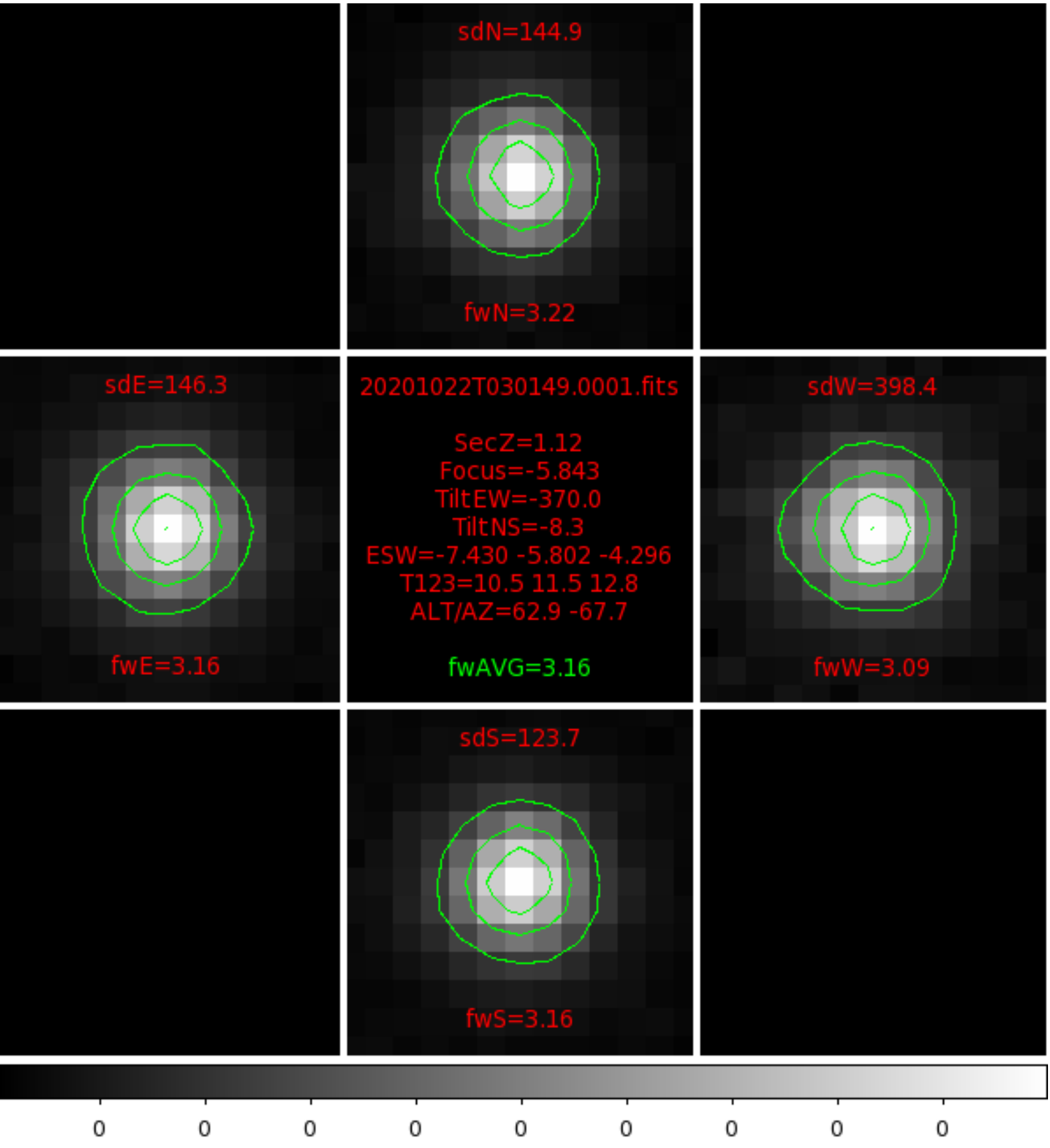

sdN=86.0
fwN=3.08
sdE=88.9
fwE=3.20
20201022T030121.0001.fits
SecZ=1.12
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=10.4 11.5 12.8
ALT/AZ=62.9 -67.6
fwAVG=3.08
sdW=324.4
fwW=3.02
sdS=62.2
fwS=3.01
0 0 0 0 0 0 0 0 0


sdN=144.9
fwN=3.22
sdE=146.3
fwE=3.16
20201022T030149.0001.fits
SecZ=1.12
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=10.5 11.5 12.8
ALT/AZ=62.9 -67.7
fwAVG=3.16
sdW=398.4
fwW=3.09
sdS=123.7
fwS=3.16
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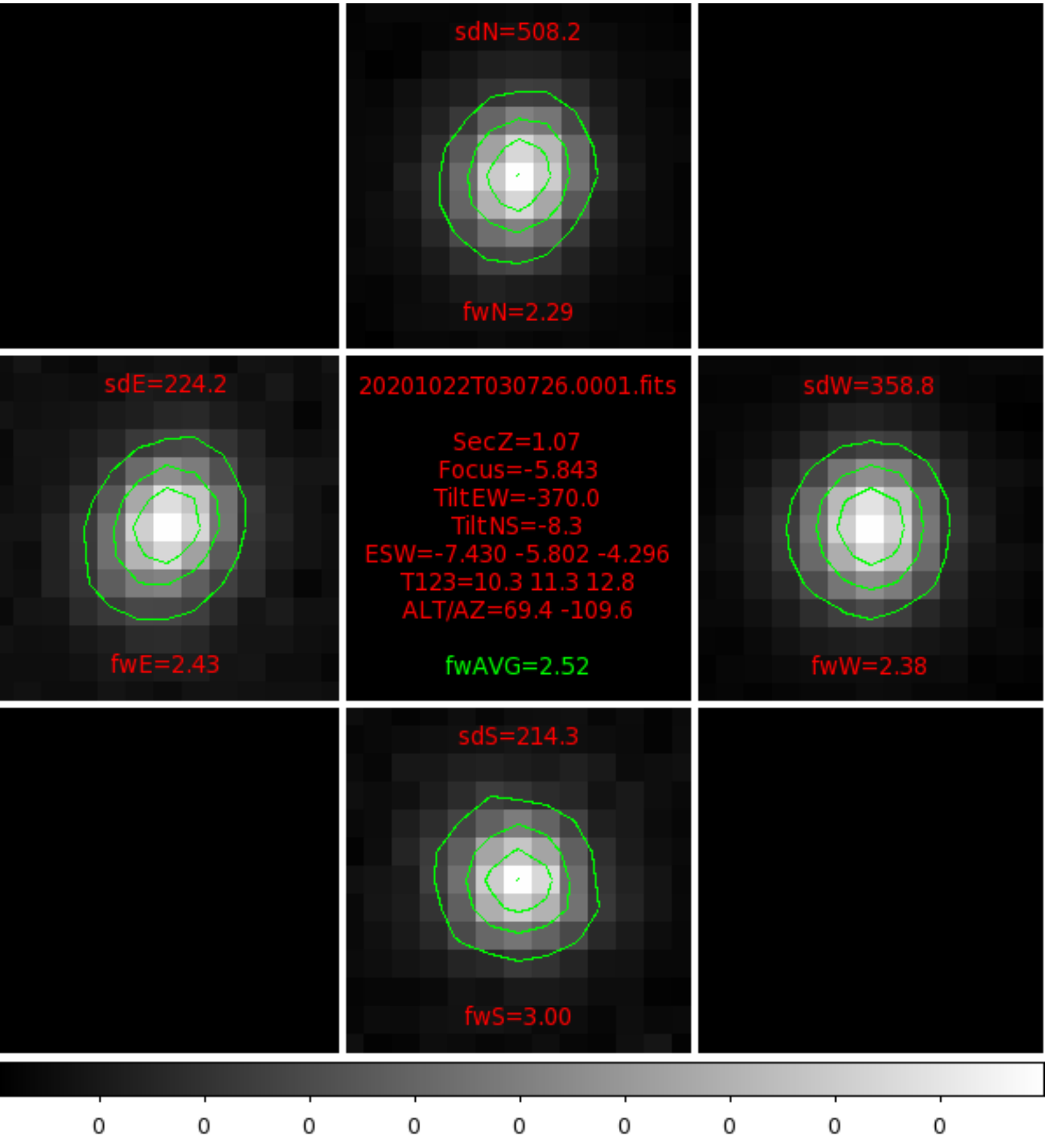
sdN=508.2
fwN=2.29
sdE=224.2
fwE=2.43
20201022T030726.0001.fits
SecZ=1.07
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=10.3 11.3 12.8
ALT/AZ=69.4 -109.6
fwAVG=2.52
sdW=358.8
fwW=2.38
sdS=214.3
fwS=3.00
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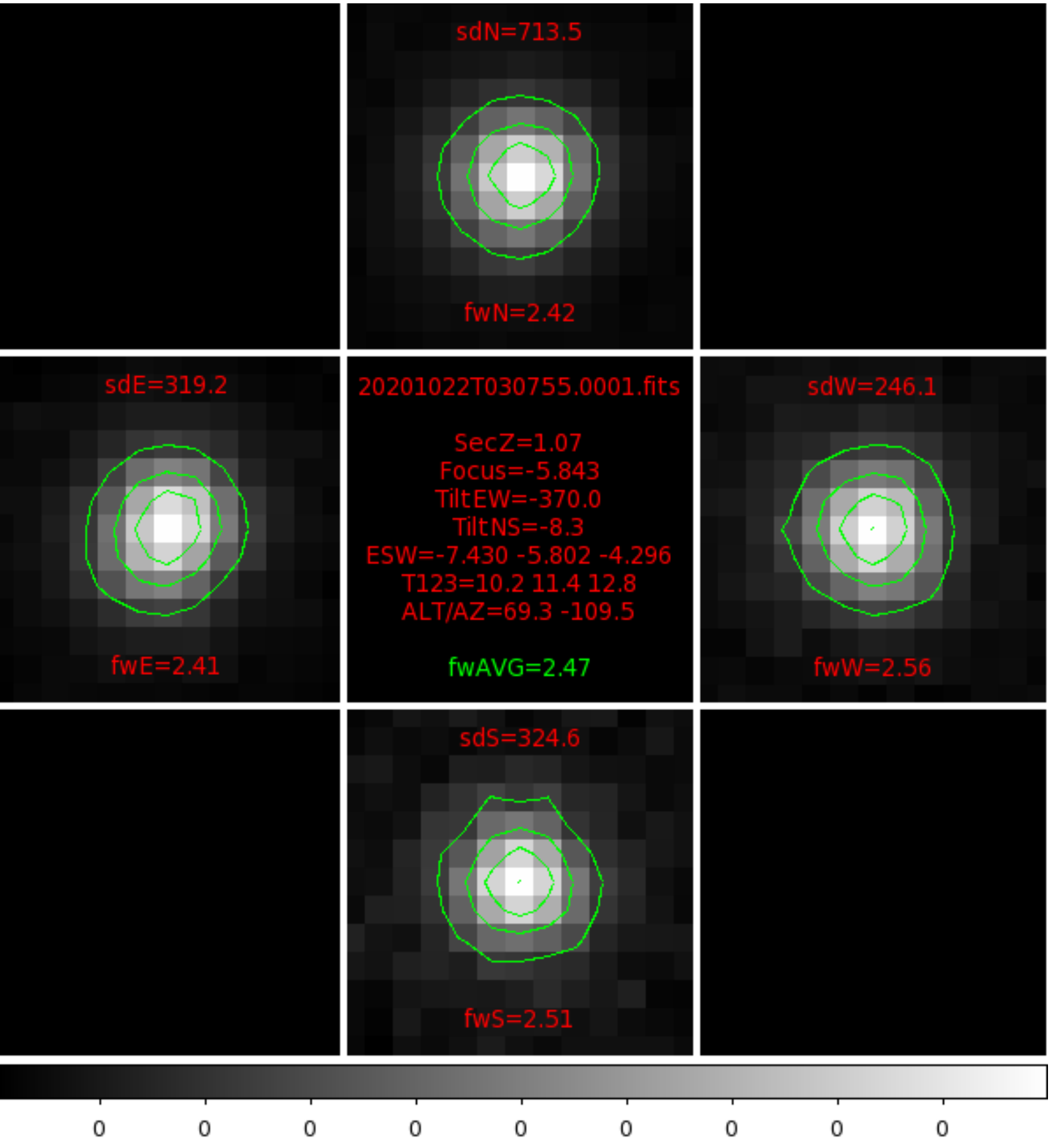
sdN=713.5
fwN=2.42
sdE=319.2
fwE=2.41
20201022T030755.0001.fits
SecZ=1.07
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=10.2 11.4 12.8
ALT/AZ=69.3 -109.5
fwAVG=2.47
sdW=246.1
fwW=2.56
sdS=324.6
fwS=2.51
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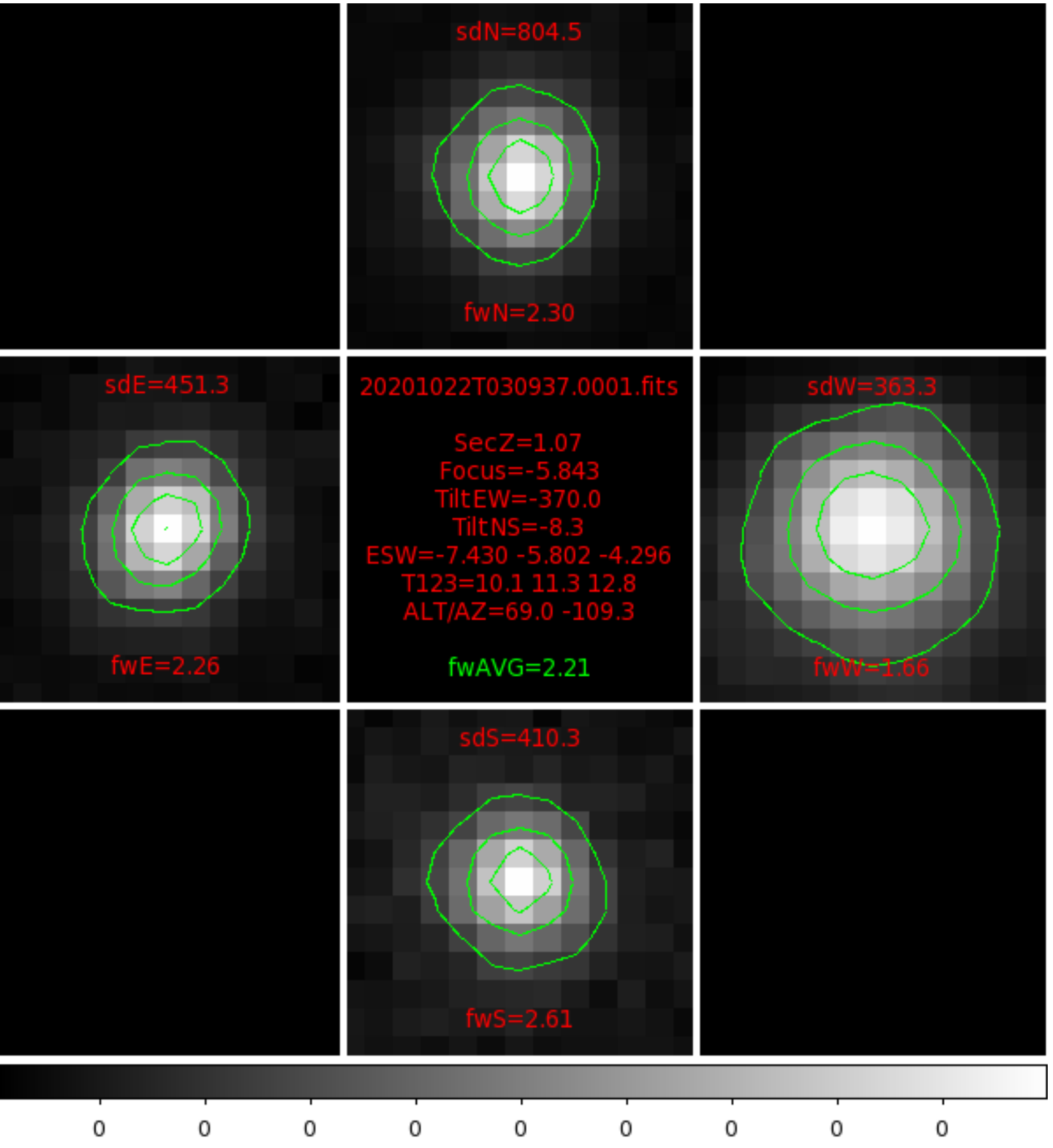
sdN=804.5
fwN=2.30
sdE=451.3
fwE=2.26
20201022T030937.0001.fits
SecZ=1.07
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=10.1 11.3 12.8
ALT/AZ=69.0 -109.3
fwAVG=2.21
sdW=363.3
fwW=1.66
sdS=410.3
fwS=2.61
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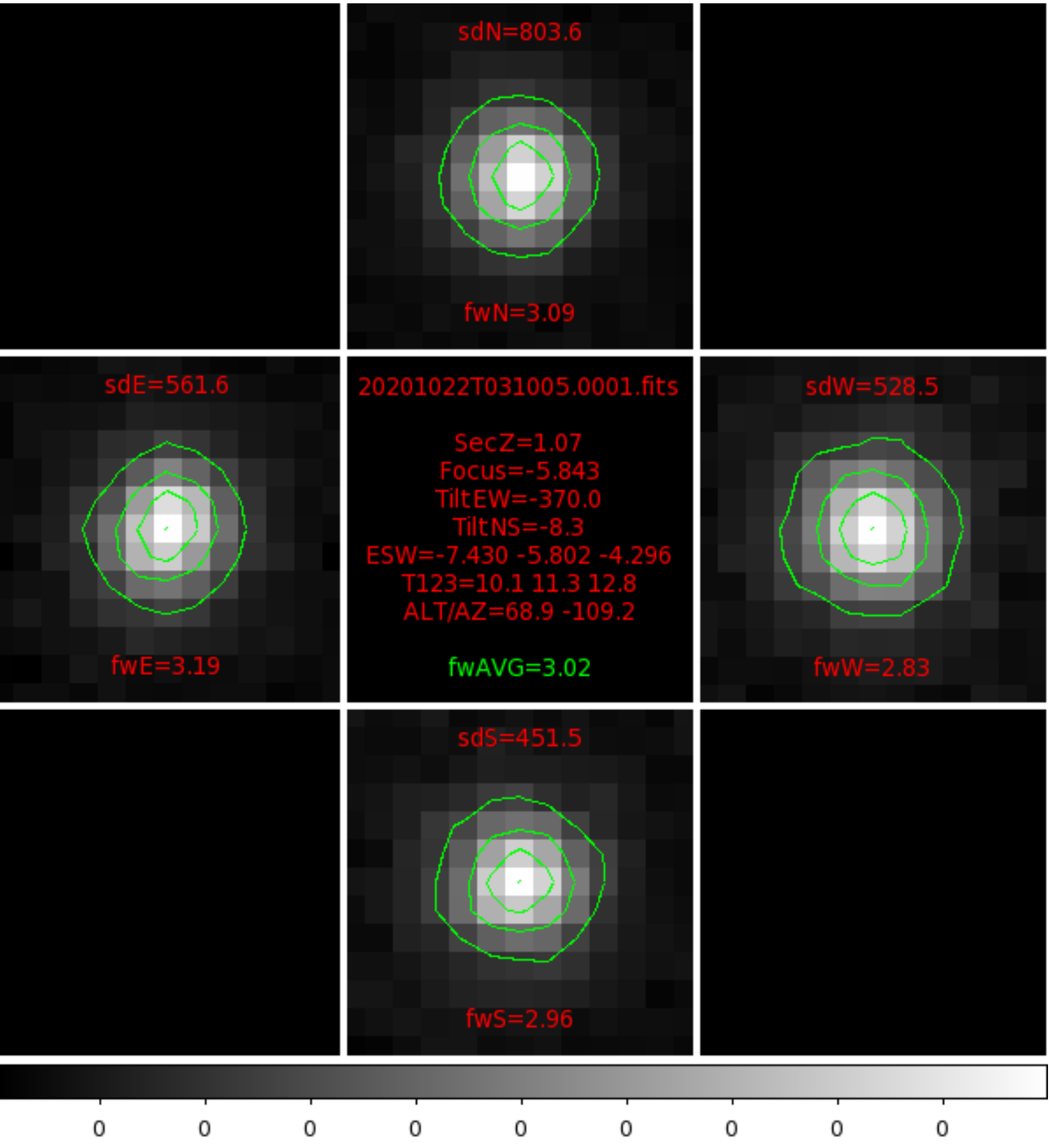
sdN=803.6
fwN=3.09
sdE=561.6
fwE=3.19
20201022T031005.0001.fits
SecZ=1.07
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=10.1 11.3 12.8
ALT/AZ=68.9 -109.2
fwAVG=3.02
sdW=528.5
fwW=2.83
sdS=451.5
fwS=2.96
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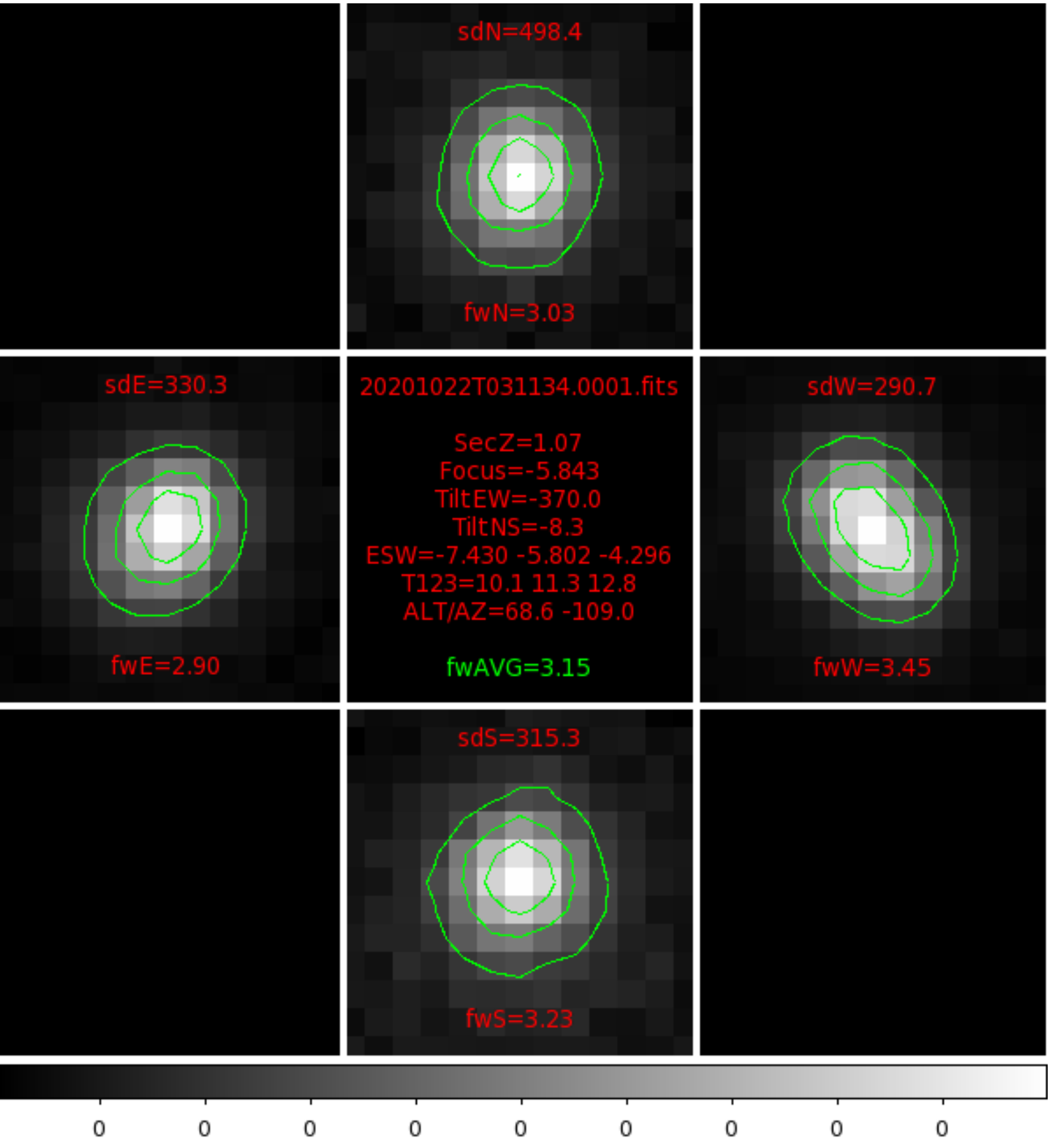
sdN=498.4
fwN=3.03
sdE=330.3
fwE=2.90
20201022T031134.0001.fits
SecZ=1.07
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=10.1 11.3 12.8
ALT/AZ=68.6 -109.0
fwAVG=3.15
sdW=290.7
fwW=3.45
sdS=315.3
fwS=3.23
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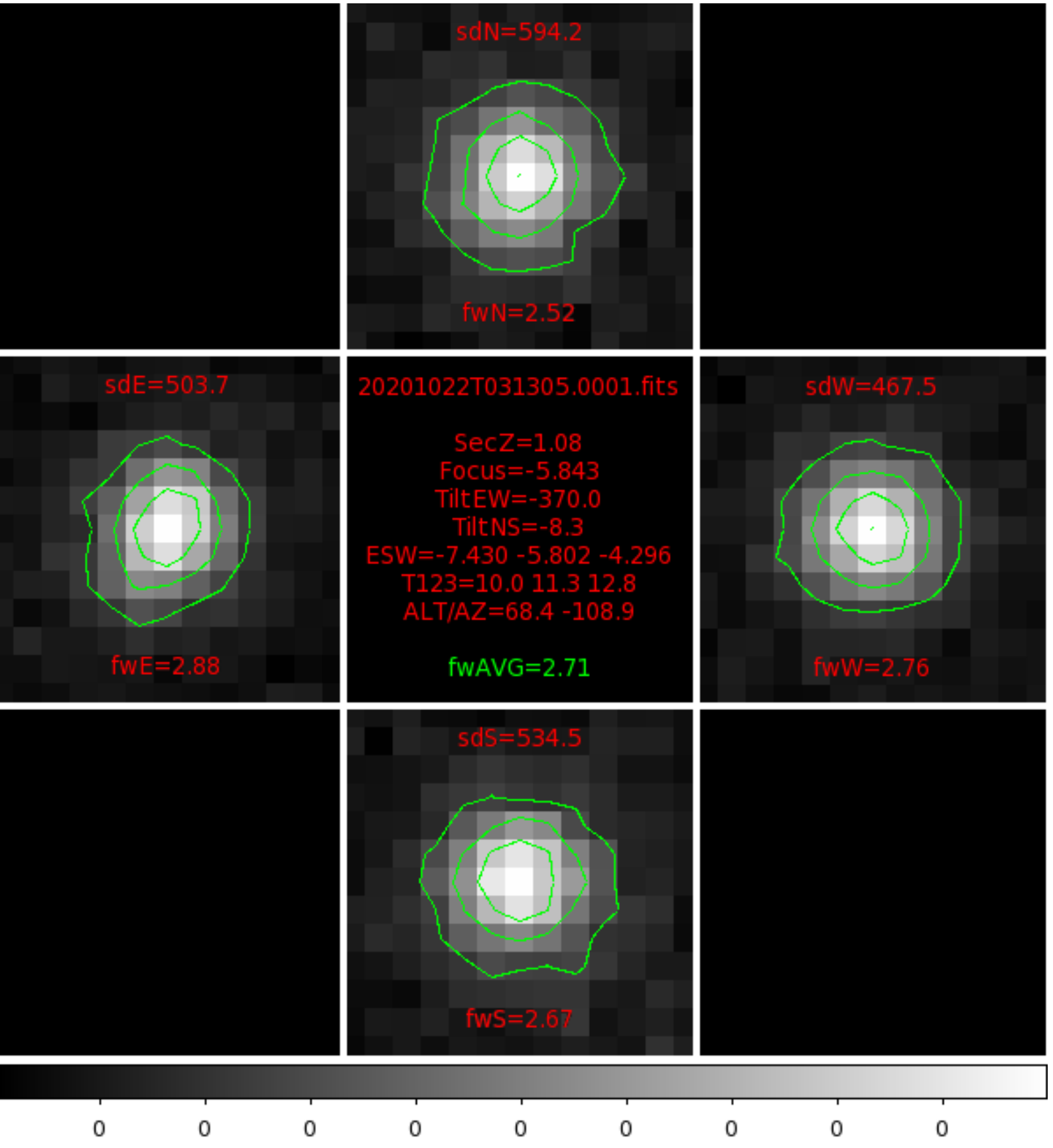
sdN=594.2
fwN=2.52
sdE=503.7
fwE=2.88
20201022T031305.0001.fits
SecZ=1.08
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=10.0 11.3 12.8
ALT/AZ=68.4 -108.9
fwAVG=2.71
sdW=467.5
fwW=2.76
sdS=534.5
fwS=2.67
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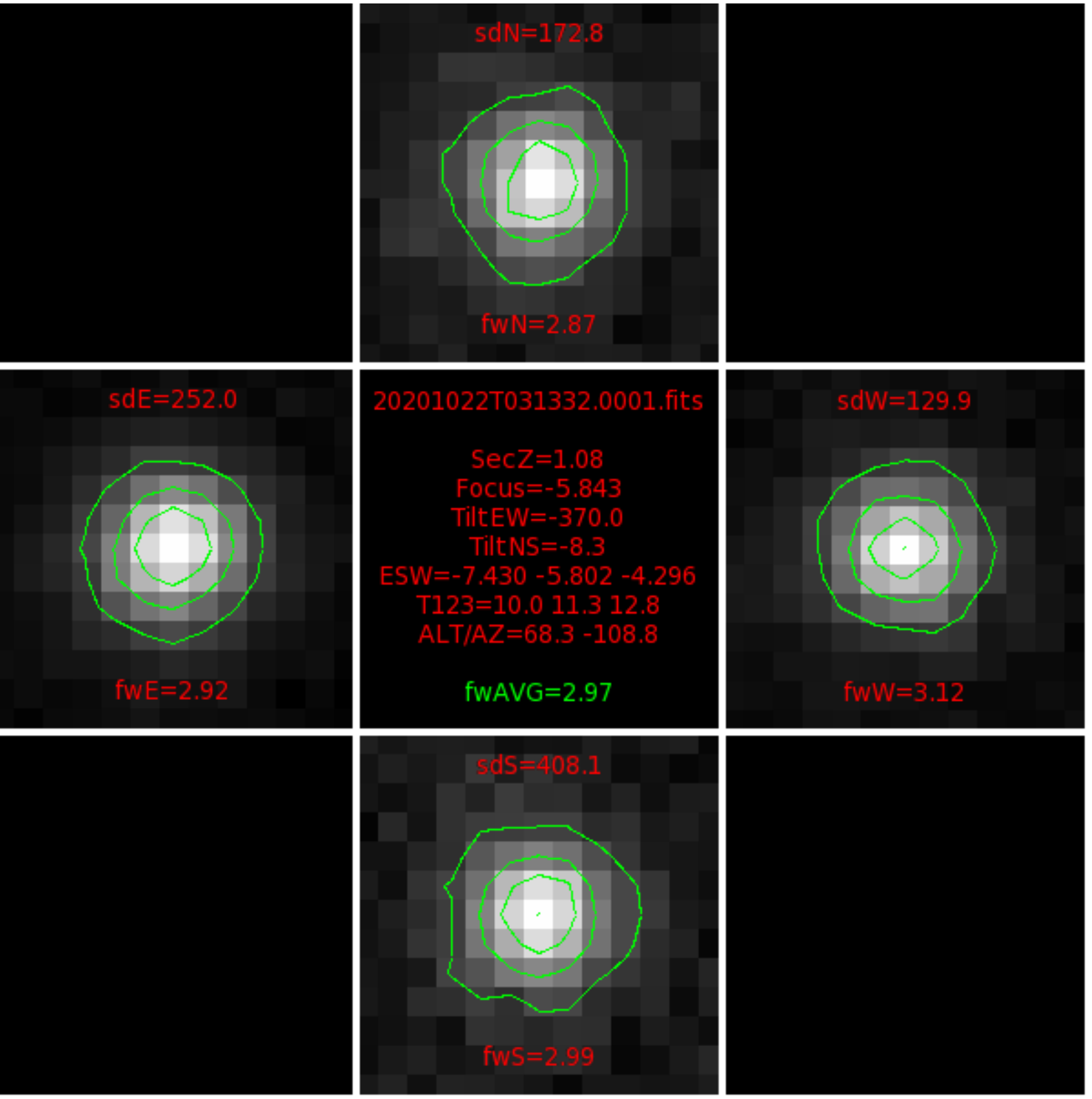
sdN=172.8
fwN=2.87
sdE=252.0
fwE=2.92
20201022T031332.0001.fits
SecZ=1.08
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=10.0 11.3 12.8
ALT/AZ=68.3 -108.8
fwAVG=2.97
sdW=129.9
fwW=3.12
sdS=408.1
fwS=2.99
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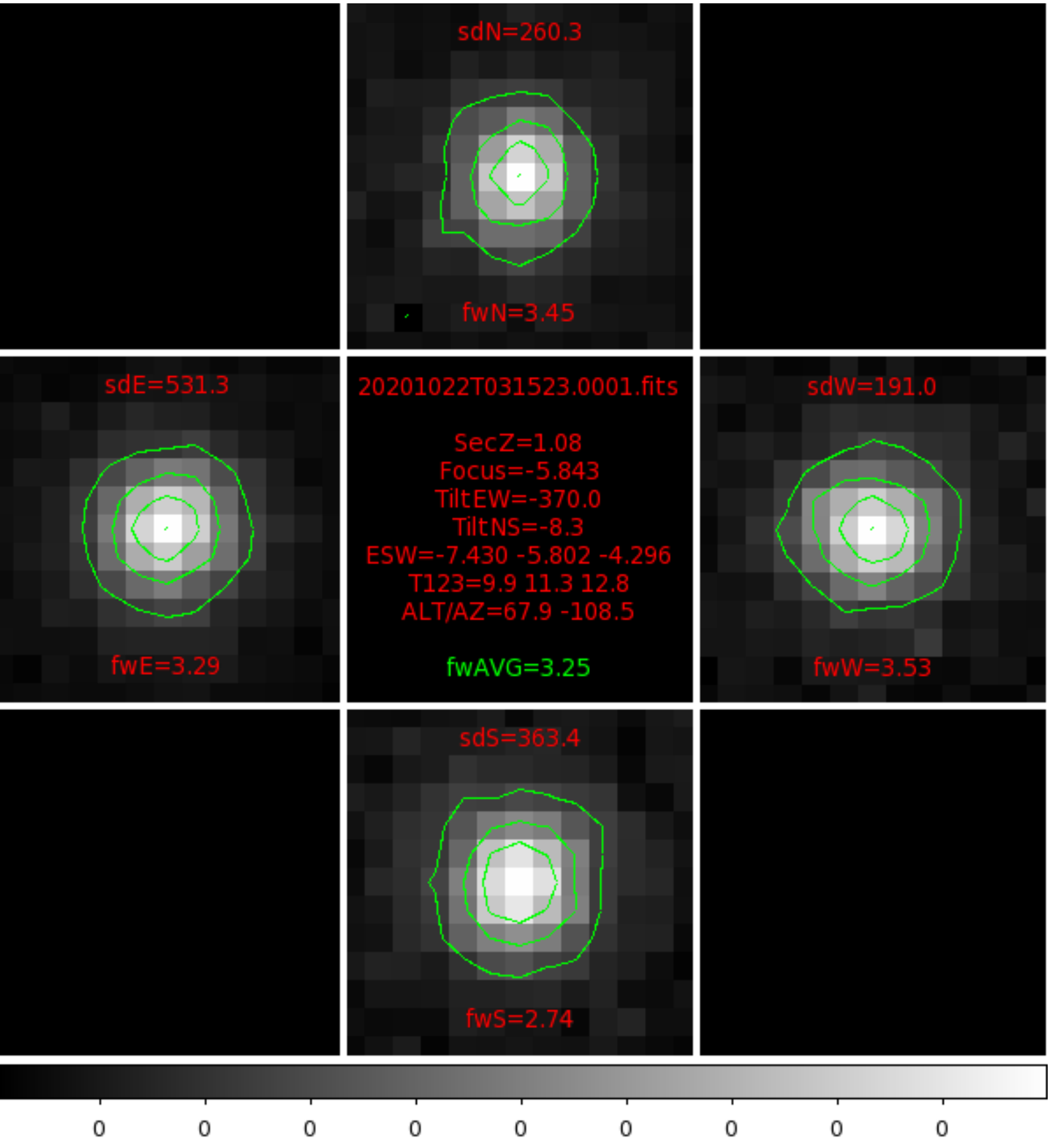
sdN=260.3
fwN=3.45
sdE=531.3
fwE=3.29
20201022T031523.0001.fits
SecZ=1.08
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=9.9 11.3 12.8
ALT/AZ=67.9 -108.5
fwAVG=3.25
sdW=191.0
fwW=3.53
sdS=363.4
fwS=2.74
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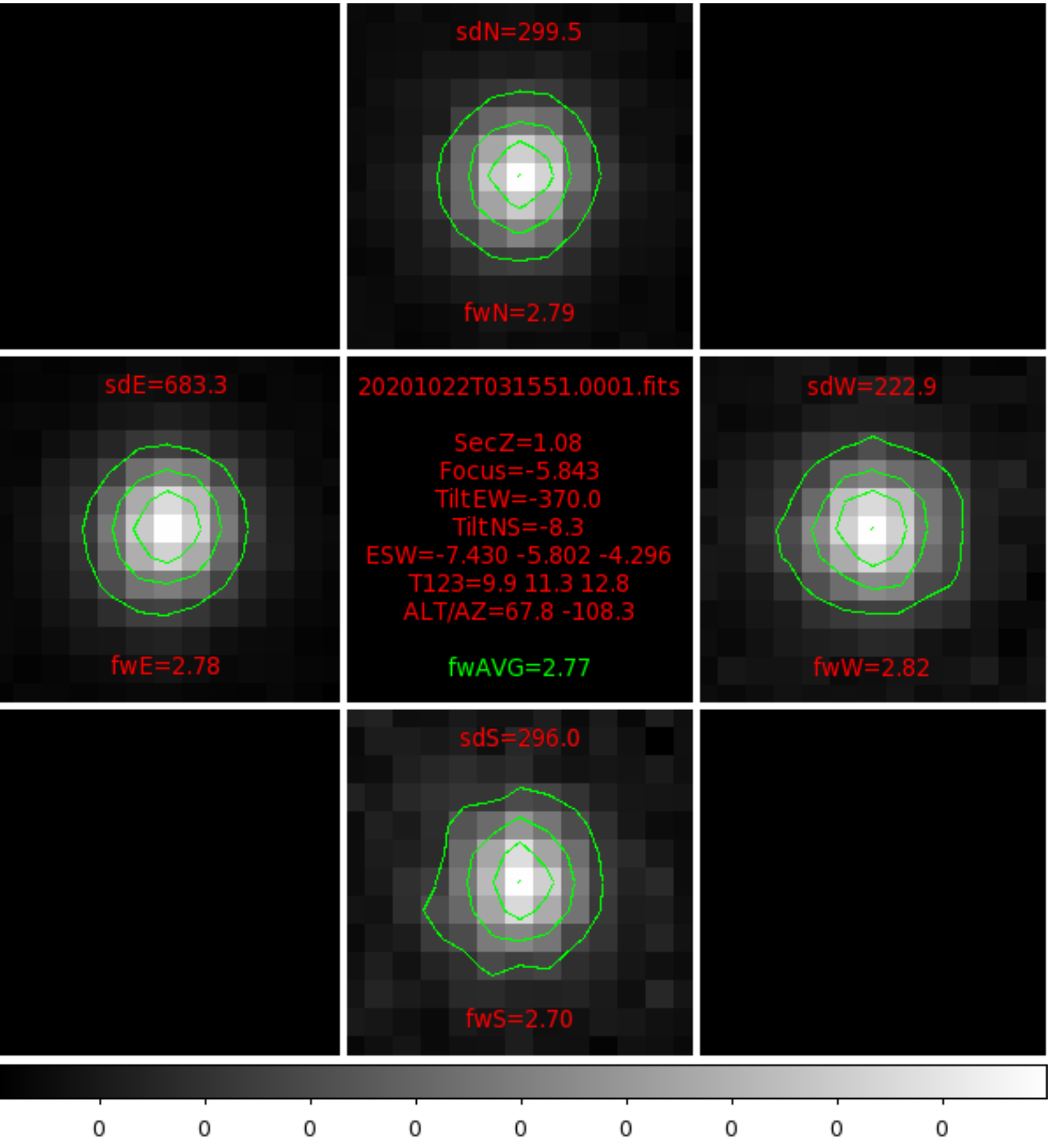
sdN=299.5
fwN=2.79
sdE=683.3
fwE=2.78
20201022T031551.0001.fits
SecZ=1.08
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=9.9 11.3 12.8
ALT/AZ=67.8 -108.3
fwAVG=2.77
sdW=222.9
fwW=2.82
sdS=296.0
fwS=2.70
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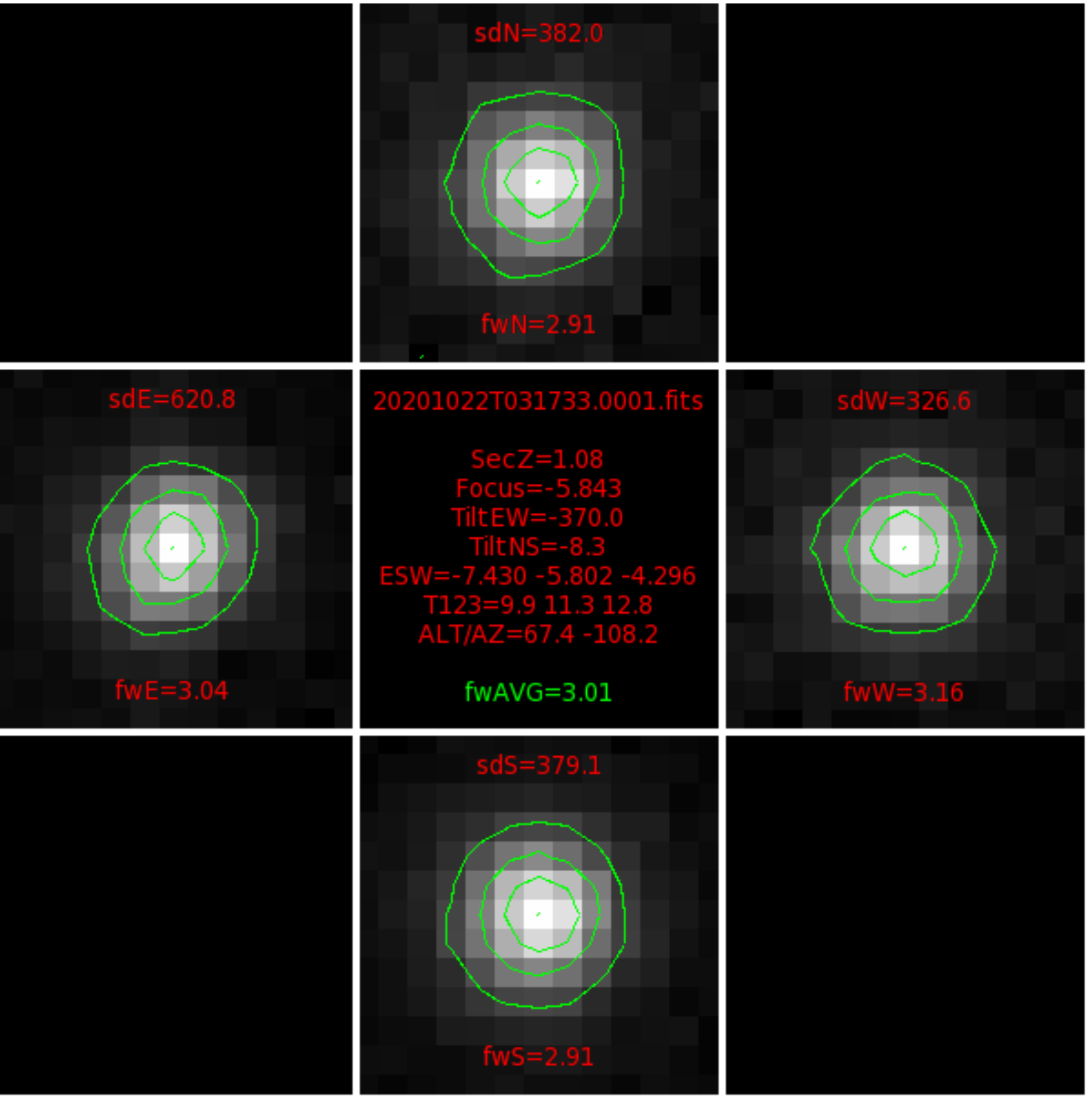
sdN=382.0
fwN=2.91
sdE=620.8
fwE=3.04
20201022T031733.0001.fits
SecZ=1.08
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=9.9 11.3 12.8
ALT/AZ=67.4 -108.2
fwAVG=3.01
sdW=326.6
fwW=3.16
sdS=379.1
fwS=2.91
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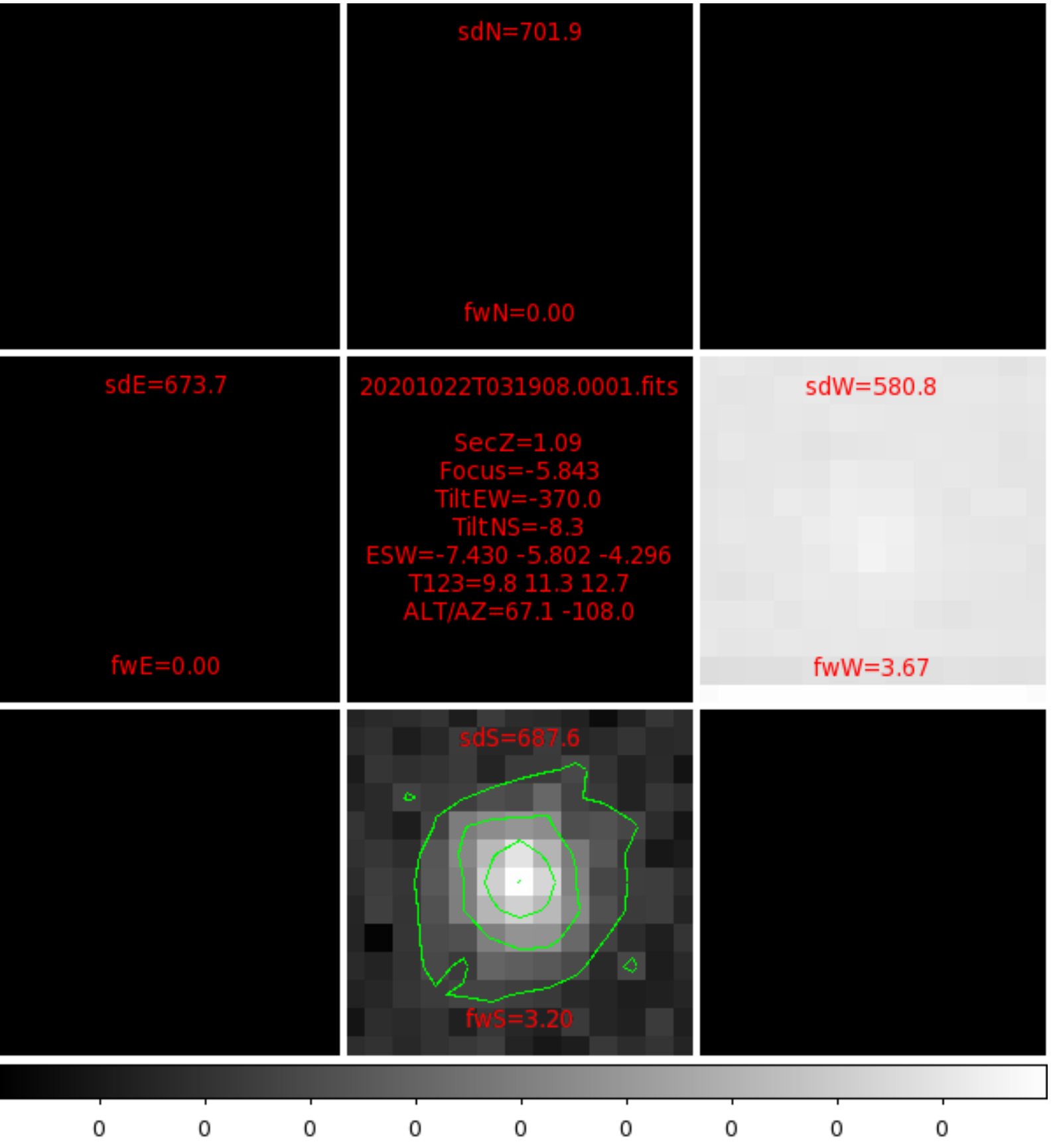
sdN=701.9
fwN=0.00
sdE=673.7
fwE=0.00
20201022T031908.0001.fits
SecZ=1.09
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=9.8 11.3 12.7
ALT/AZ=67.1 -108.0
sdW=580.8
fwW=3.67
sdS=687.6
fwS=3.20
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