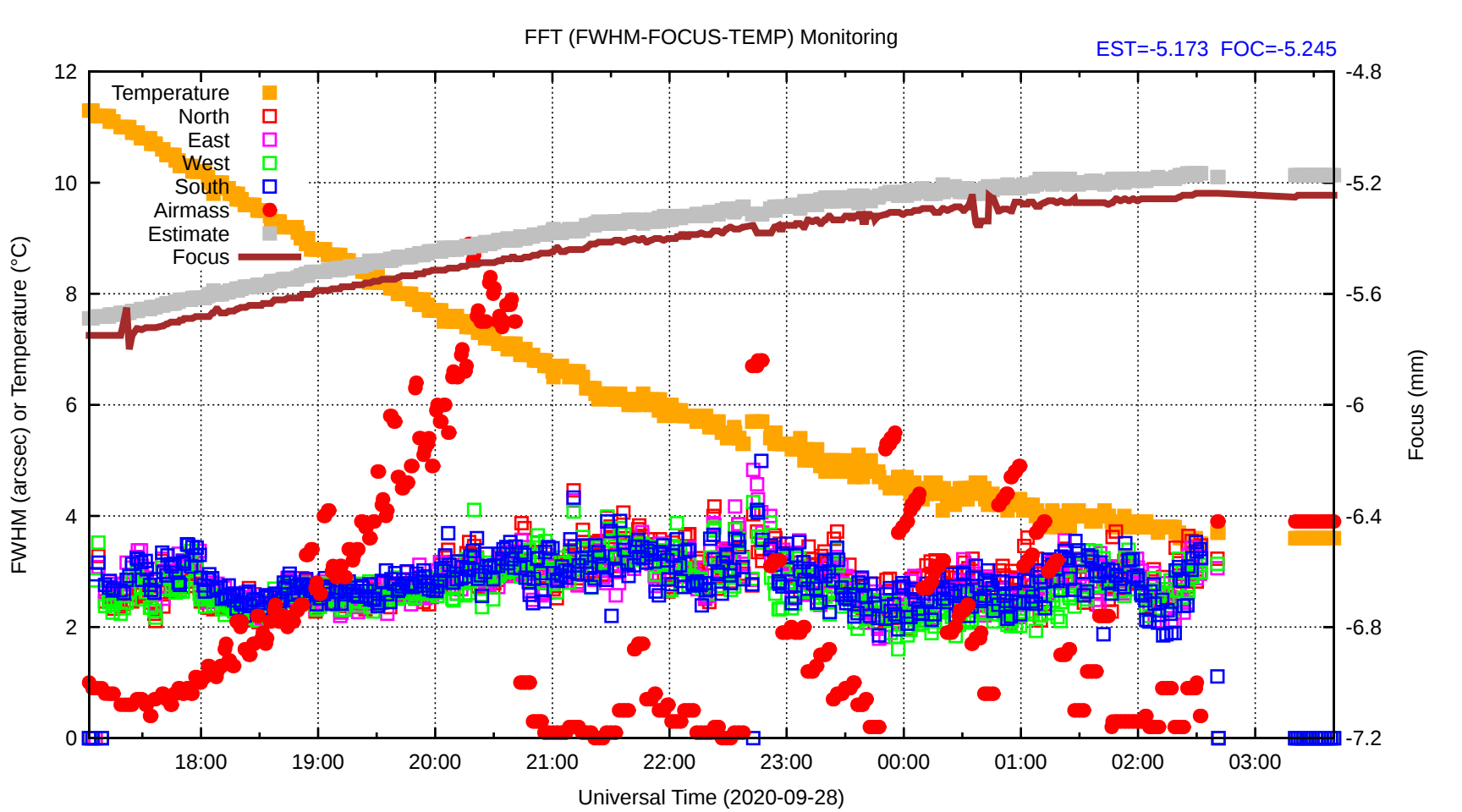
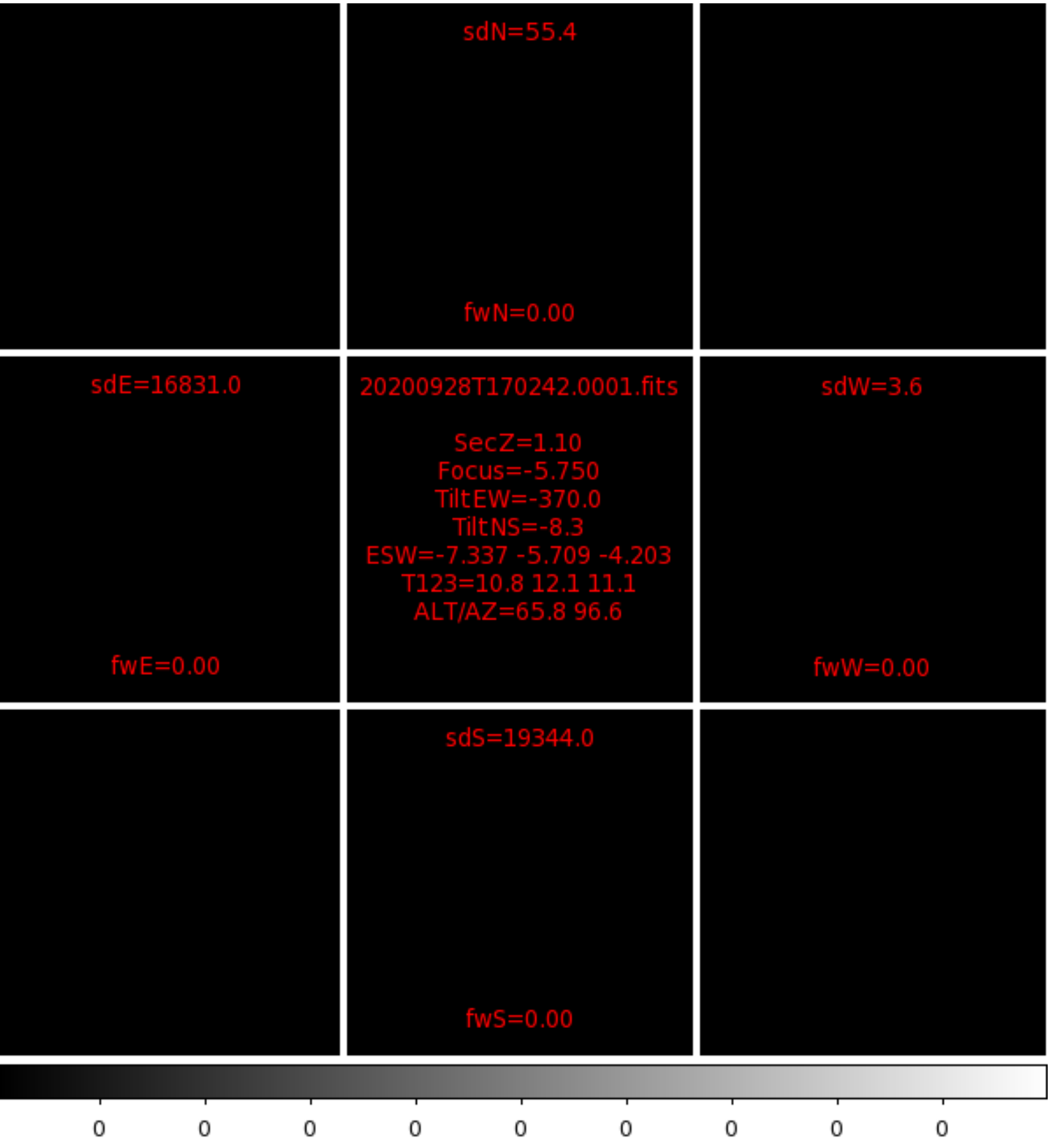

FFT (FWHM-FOCUS-TEMP) Monitoring
EST=-5.173 FOC=-5.245
Temperature
North
East
West
South
Airmass
Estimate
Focus
FWHM (arcsec) or Temperature (°C)
Focus (mm)
Universal Time (2020-09-28)
0
2
4
6
8
10
12
-4.8
-5.2
-5.6
-6
-6.4
-6.8
-7.2
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
03:00


sdN=55.4
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sdE=16831.0
fwE=0.00
20200928T170242.0001.fits
SecZ=1.10
Focus=-5.750
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.337 -5.709 -4.203
T123=10.8 12.1 11.1
ALT/AZ=65.8 96.6
sdW=3.6
fwW=0.00
sdS=19344.0
fwS=0.00
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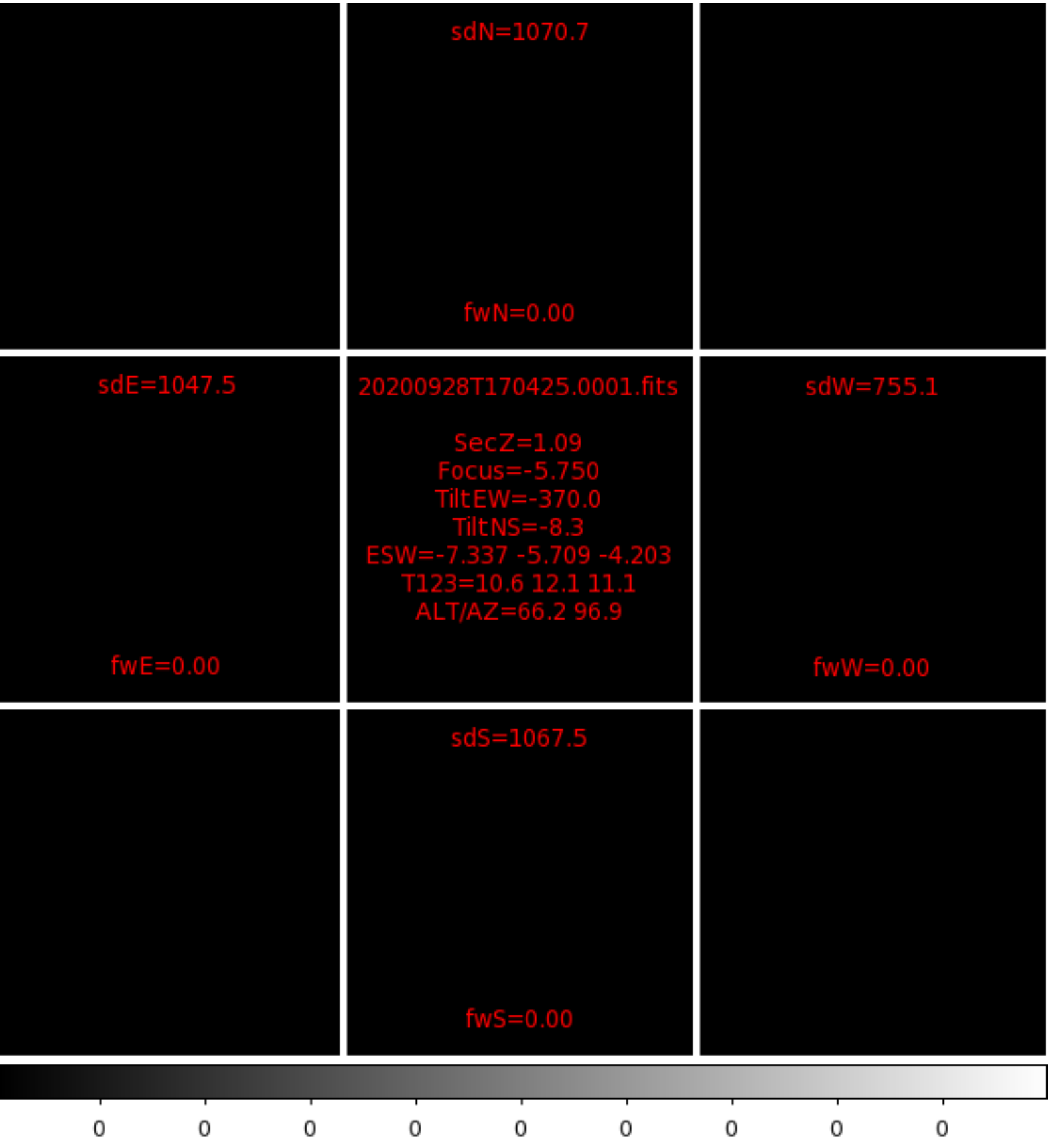
sdN=1070.7
fwN=0.00
sdE=1047.5
fwE=0.00
20200928T170425.0001.fits
SecZ=1.09
Focus=-5.750
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.337 -5.709 -4.203
T123=10.6 12.1 11.1
ALT/AZ=66.2 96.9
sdW=755.1
fwW=0.00
sdS=1067.5
fwS=0.00
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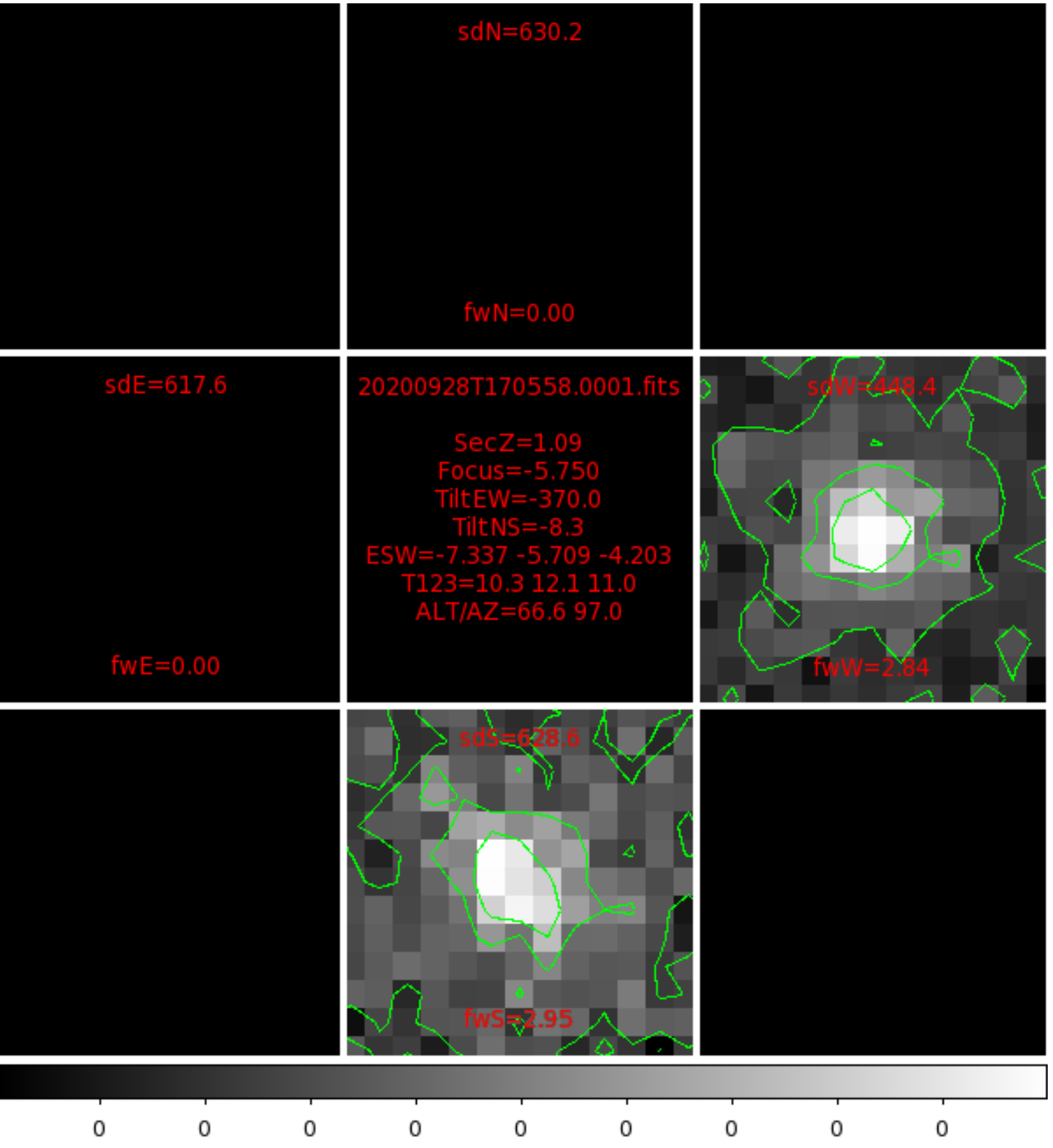
sdN=630.2
fwN=0.00
sdE=617.6
fwE=0.00
20200928T170558.0001.fits
SecZ=1.09
Focus=-5.750
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.337 -5.709 -4.203
T123=10.3 12.1 11.0
ALT/AZ=66.6 97.0
sdW=448.4
fwW=2.84
sdS=628.6
fwS=2.95
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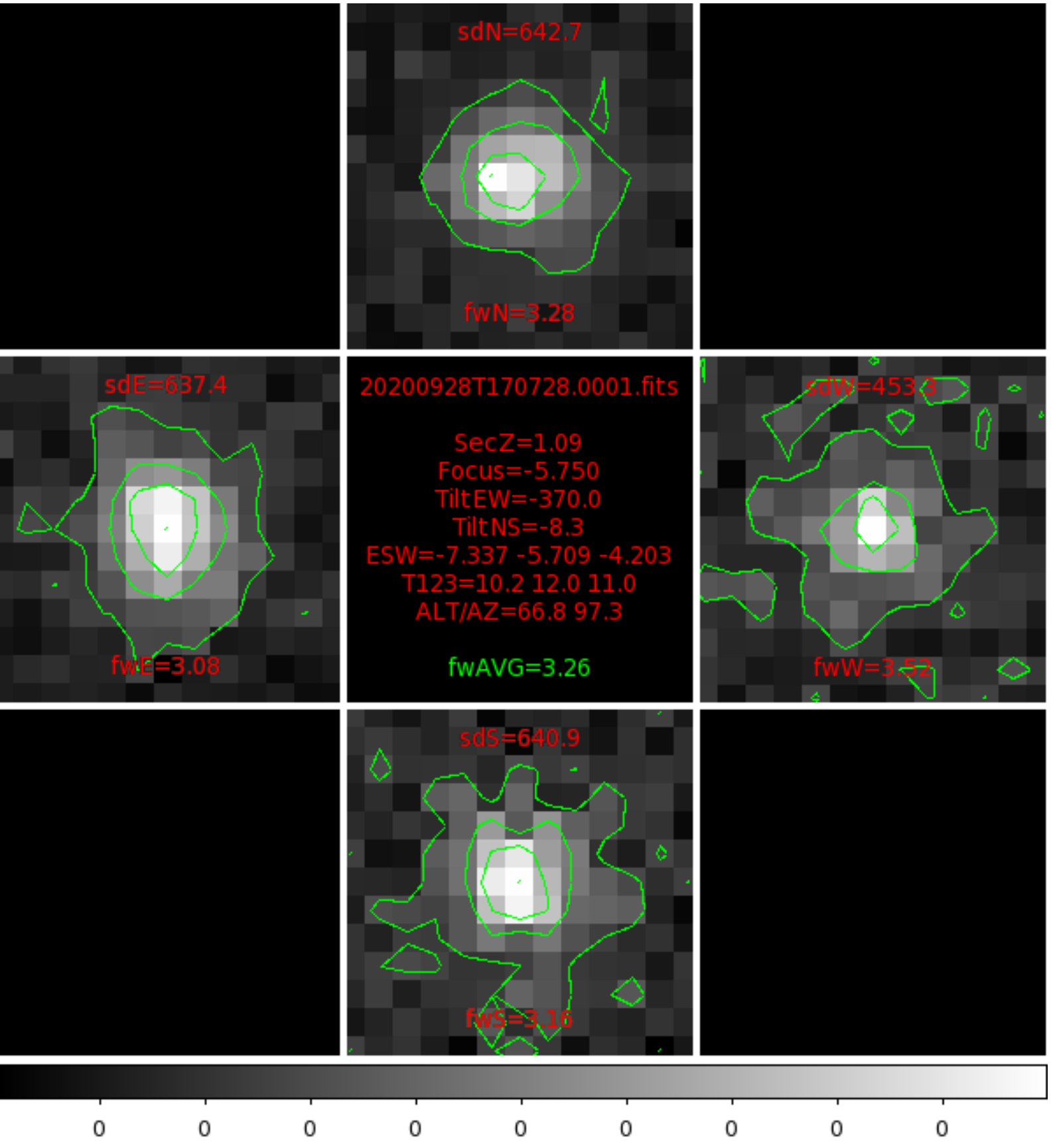
sdN=642.7
fwN=3.28
sdE=637.4
fwE=3.08
20200928T170728.0001.fits
SecZ=1.09
Focus=-5.750
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.337 -5.709 -4.203
T123=10.2 12.0 11.0
ALT/AZ=66.8 97.3
fwAVG=3.26
sdW=453.8
fwW=3.52
sdS=640.9
fwS=3.16
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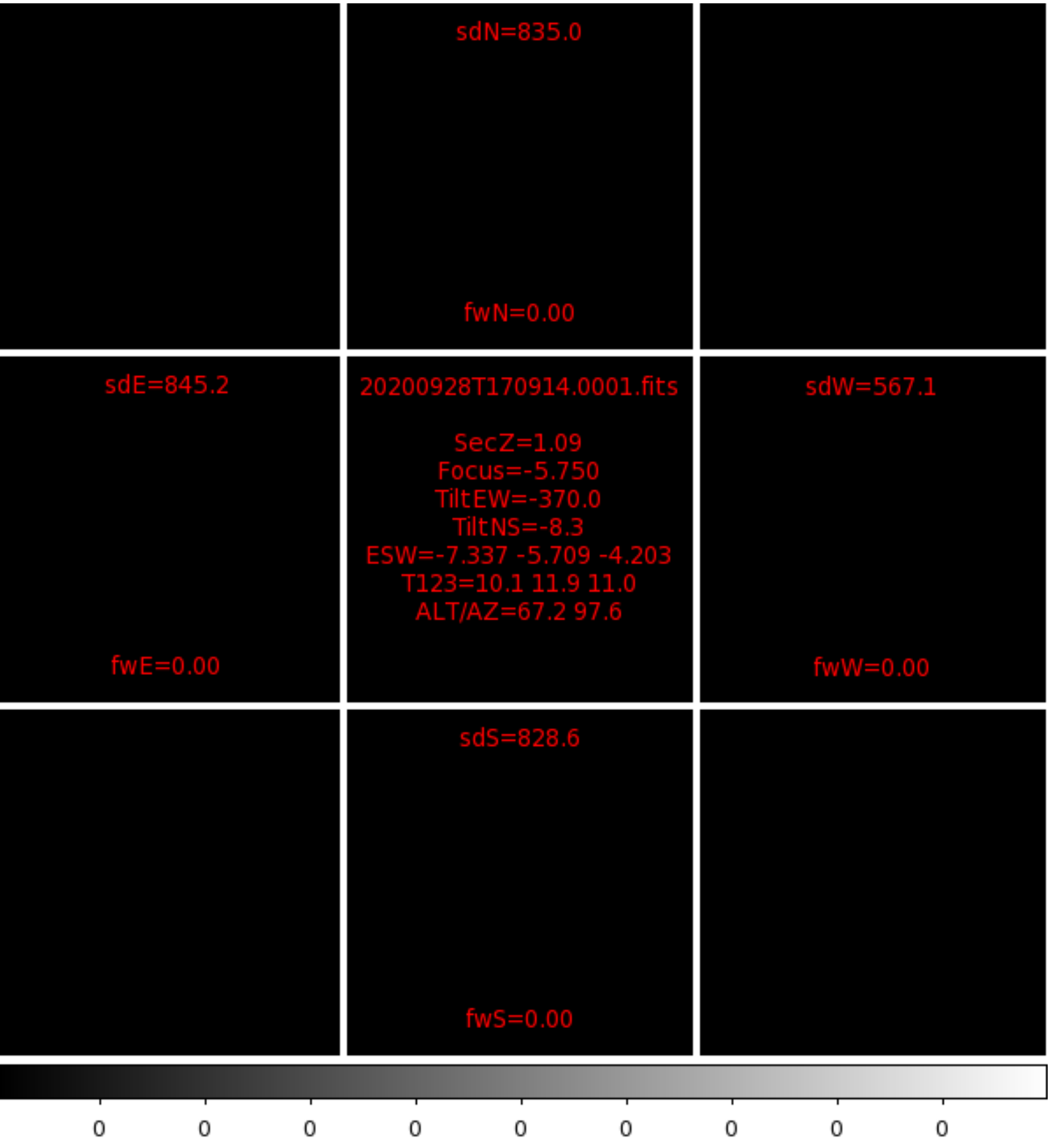
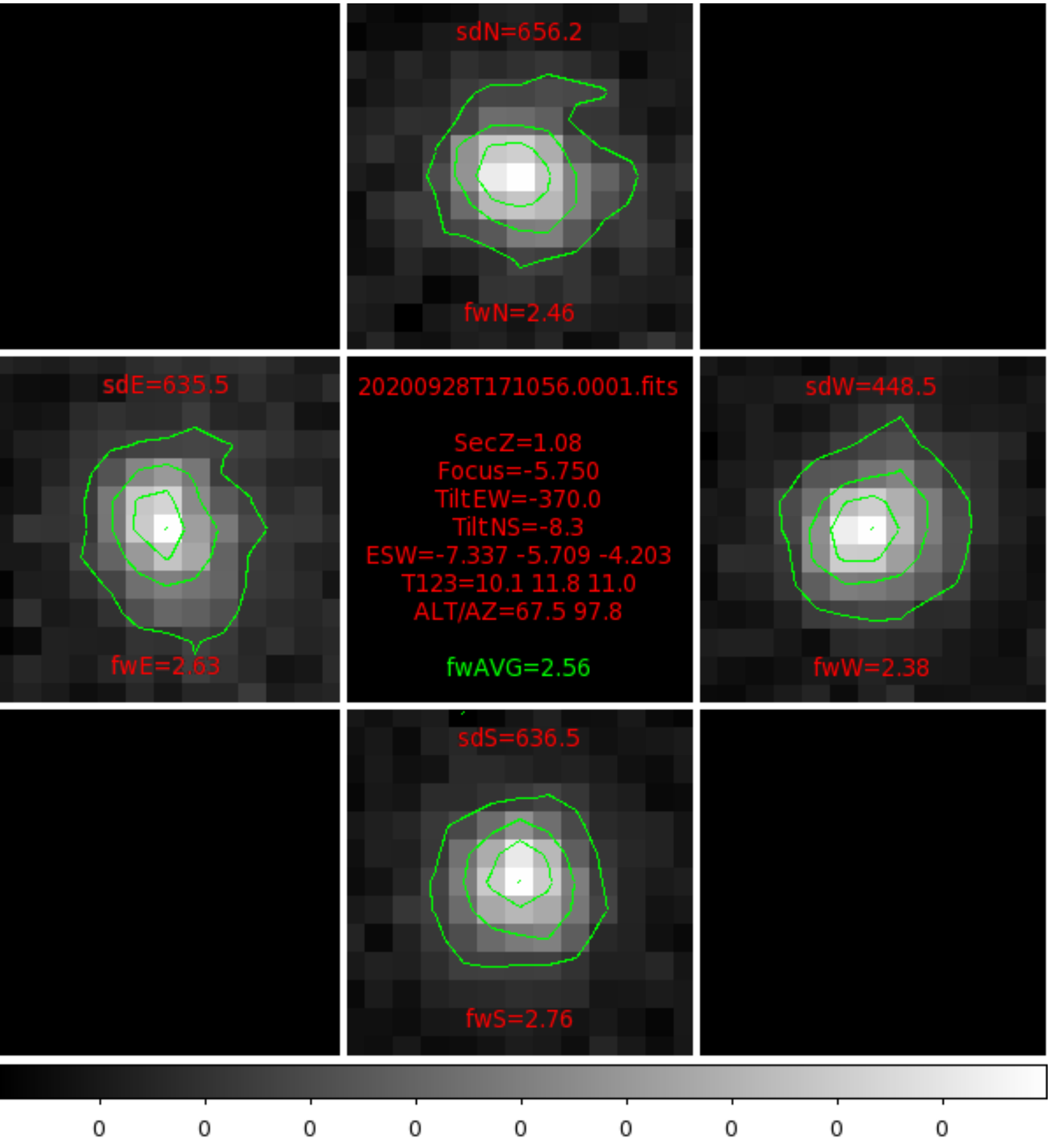

sdN=835.0
fwN=0.00
sdE=845.2
fwE=0.00
20200928T170914.0001.fits
SecZ=1.09
Focus=-5.750
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.337 -5.709 -4.203
T123=10.1 11.9 11.0
ALT/AZ=67.2 97.6
sdW=567.1
fwW=0.00
sdS=828.6
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=656.2
fwN=2.46
sdE=635.5
fwE=2.63
20200928T171056.0001.fits
SecZ=1.08
Focus=-5.750
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.337 -5.709 -4.203
T123=10.1 11.8 11.0
ALT/AZ=67.5 97.8
fwAVG=2.56
sdW=448.5
fwW=2.38
sdS=636.5
fwS=2.76
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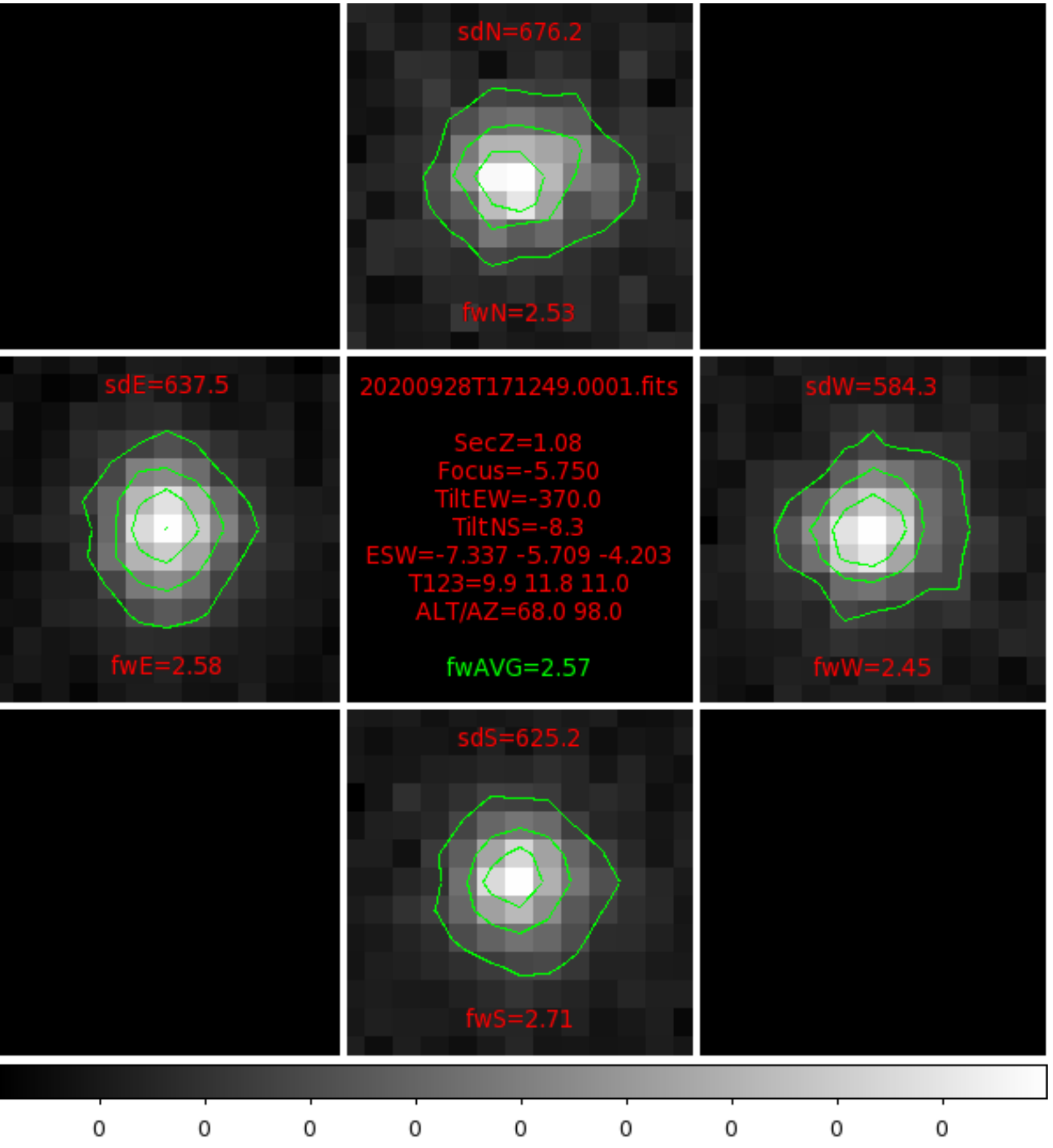
sdN=676.2
fwN=2.53
sdE=637.5
fwE=2.58
20200928T171249.0001.fits
SecZ=1.08
Focus=-5.750
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.337 -5.709 -4.203
T123=9.9 11.8 11.0
ALT/AZ=68.0 98.0
fwAVG=2.57
sdW=584.3
fwW=2.45
sdS=625.2
fwS=2.71
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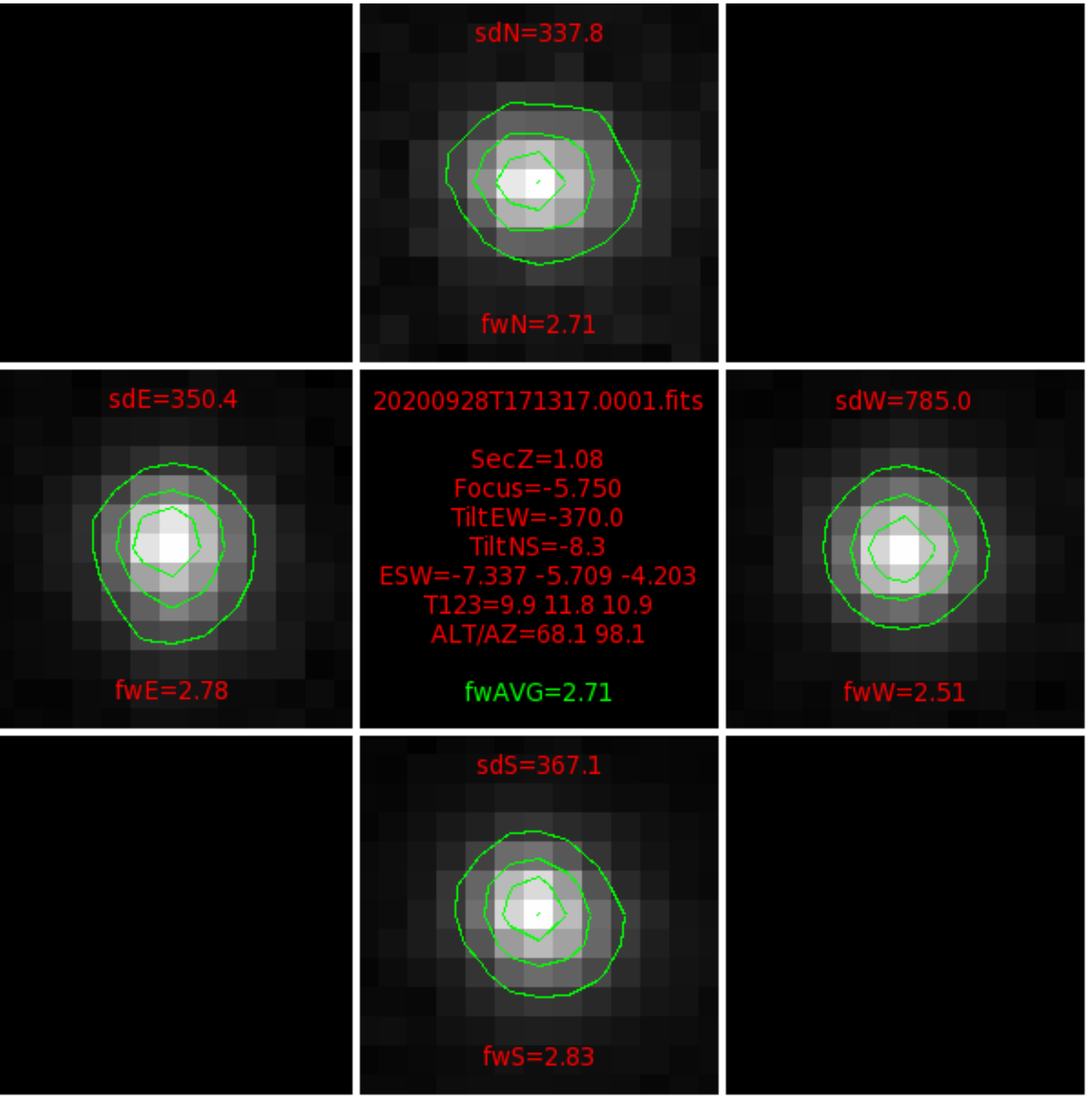
sdN=337.8
fwN=2.71
sdE=350.4
fwE=2.78
20200928T171317.0001.fits
SecZ=1.08
Focus=-5.750
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.337 -5.709 -4.203
T123=9.9 11.8 10.9
ALT/AZ=68.1 98.1
fwAVG=2.71
sdW=785.0
fwW=2.51
sdS=367.1
fwS=2.83
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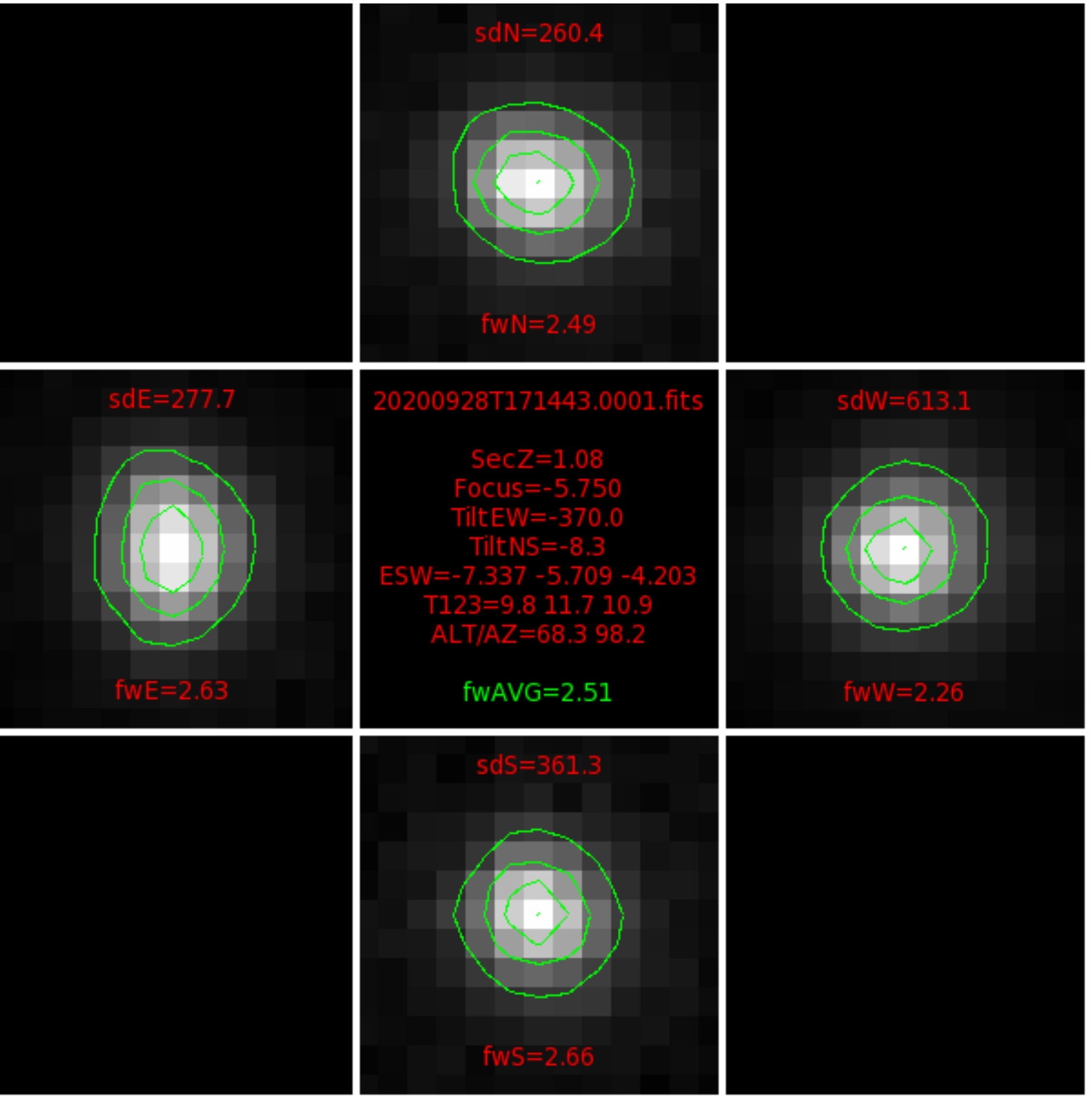
sdN=260.4
fwN=2.49
sdE=277.7
fwE=2.63
20200928T171443.0001.fits
SecZ=1.08
Focus=-5.750
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.337 -5.709 -4.203
T123=9.8 11.7 10.9
ALT/AZ=68.3 98.2
fwAVG=2.51
sdW=613.1
fwW=2.26
sdS=361.3
fwS=2.66
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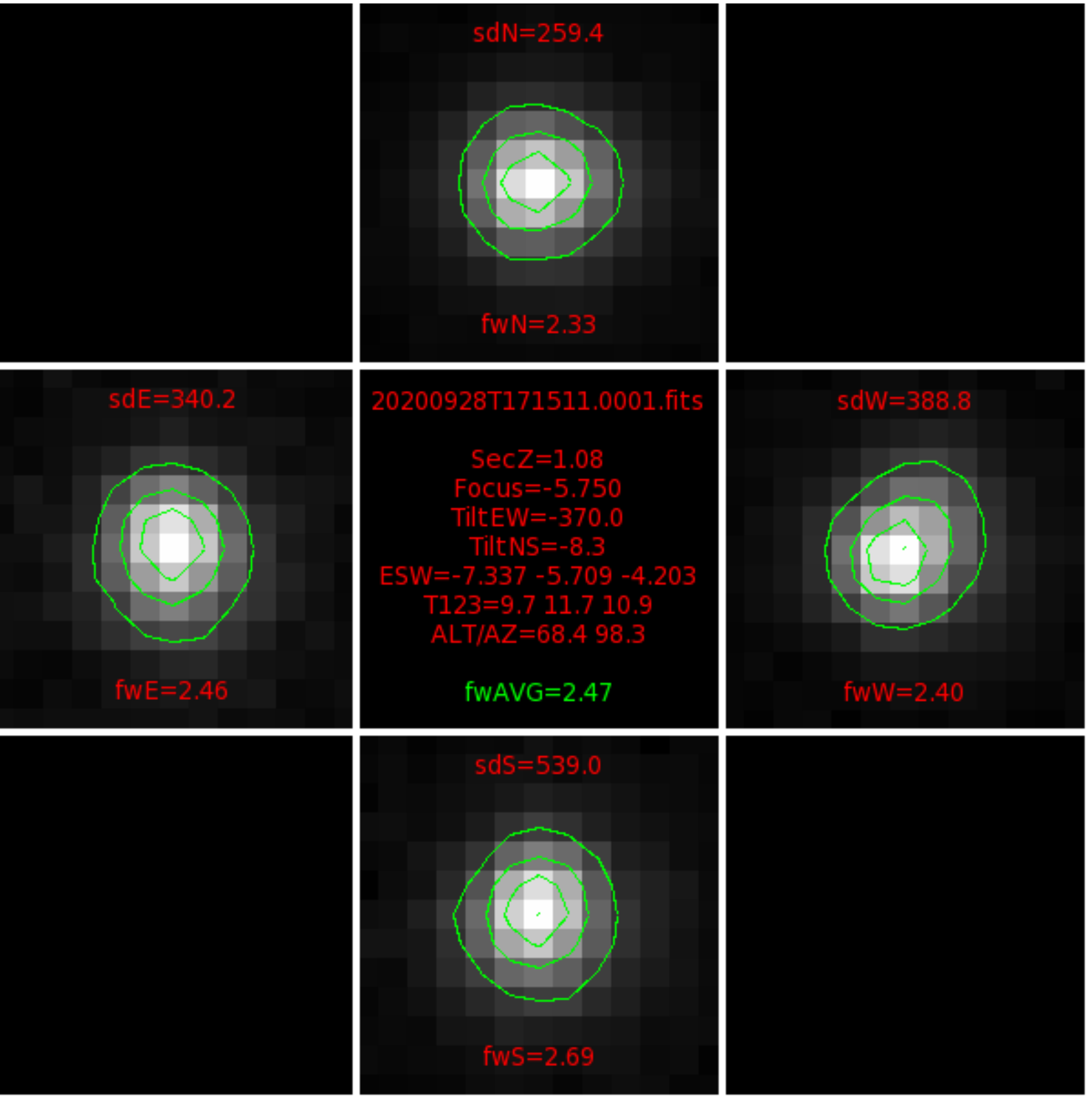
sdN=259.4
fwN=2.33
sdE=340.2
fwE=2.46
20200928T171511.0001.fits
SecZ=1.08
Focus=-5.750
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.337 -5.709 -4.203
T123=9.7 11.7 10.9
ALT/AZ=68.4 98.3
fwAVG=2.47
sdW=388.8
fwW=2.40
sdS=539.0
fwS=2.69
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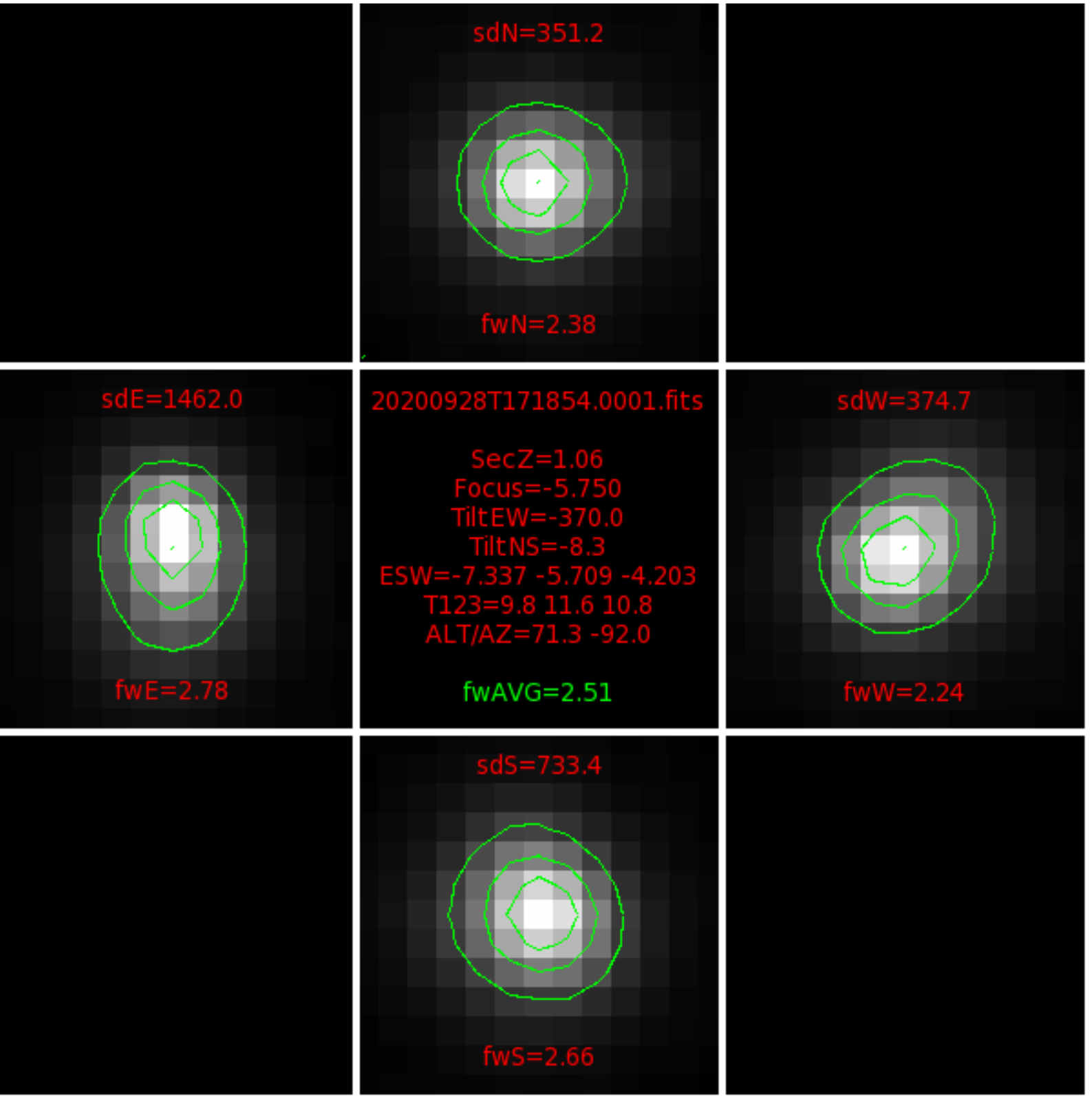
sdN=351.2
fwN=2.38
sdE=1462.0
fwE=2.78
20200928T171854.0001.fits
SecZ=1.06
Focus=-5.750
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.337 -5.709 -4.203
T123=9.8 11.6 10.8
ALT/AZ=71.3 -92.0
fwAVG=2.51
sdW=374.7
fwW=2.24
sdS=733.4
fwS=2.66
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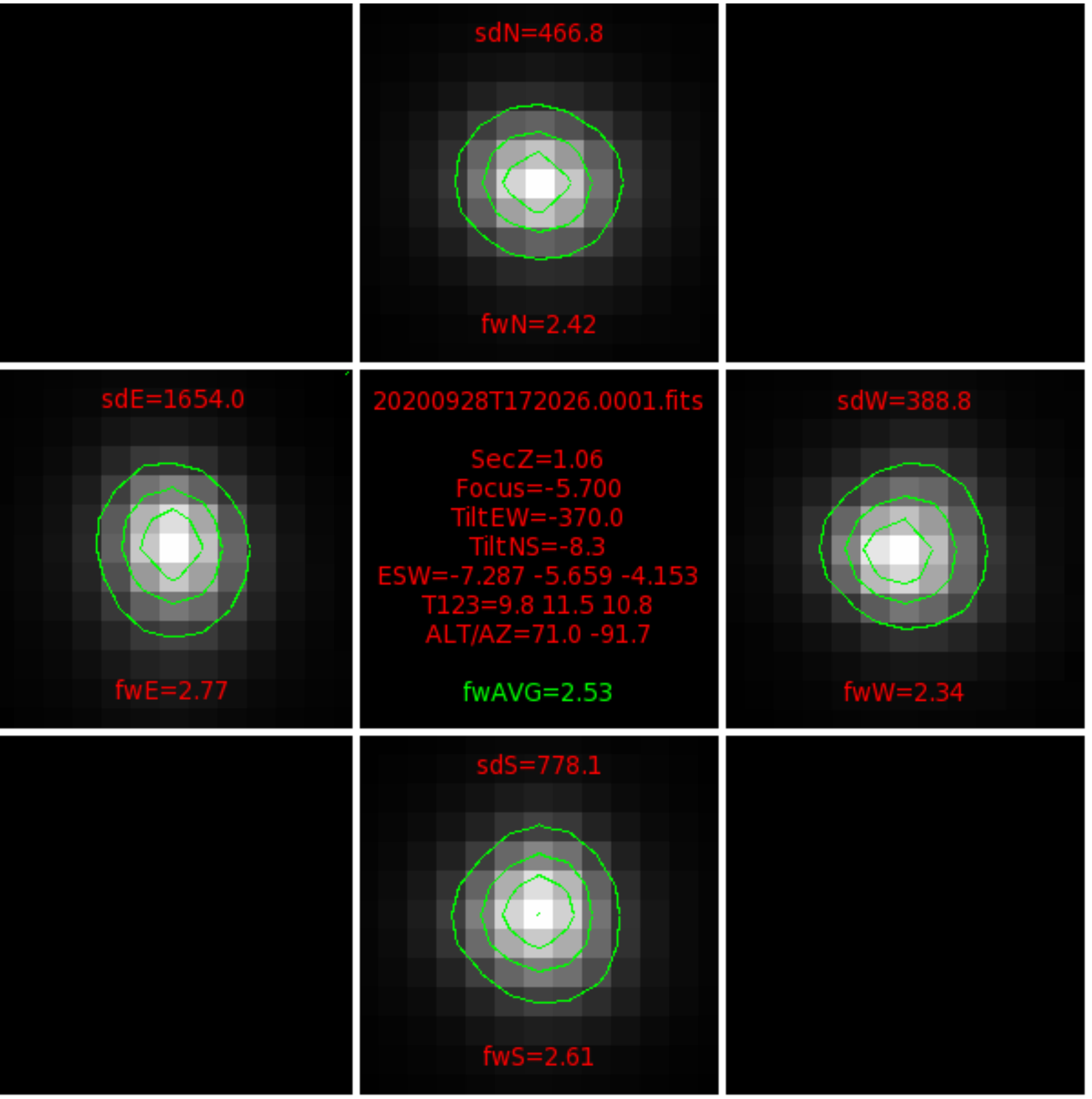
sdN=466.8
fwN=2.42
sdE=1654.0
fwE=2.77
20200928T172026.0001.fits
SecZ=1.06
Focus=-5.700
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.287 -5.659 -4.153
T123=9.8 11.5 10.8
ALT/AZ=71.0 -91.7
fwAVG=2.53
sdW=388.8
fwW=2.34
sdS=778.1
fwS=2.61
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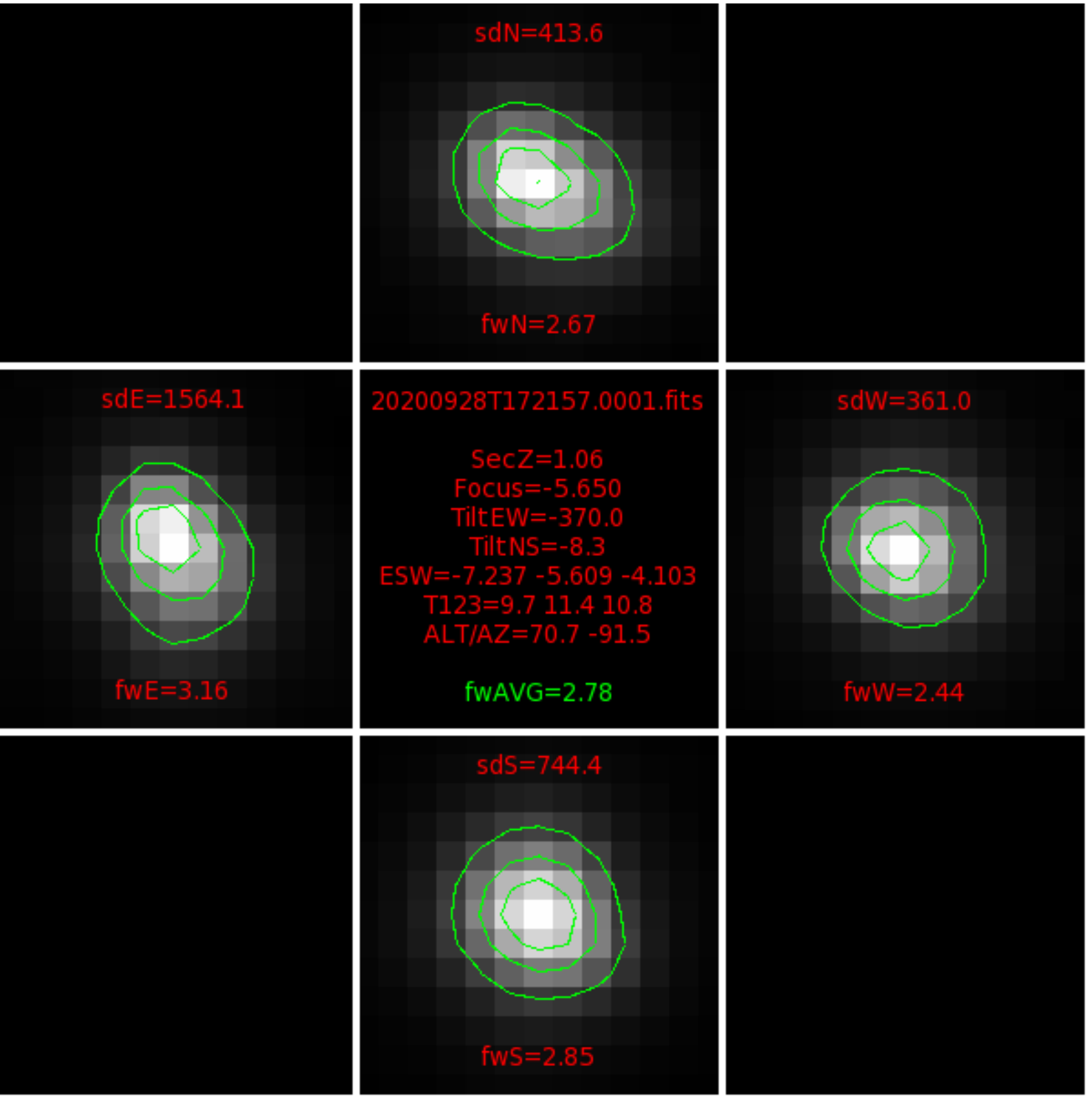
sdN=413.6
fwN=2.67
sdE=1564.1
fwE=3.16
20200928T172157.0001.fits
SecZ=1.06
Focus=-5.650
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.237 -5.609 -4.103
T123=9.7 11.4 10.8
ALT/AZ=70.7 -91.5
fwAVG=2.78
sdW=361.0
fwW=2.44
sdS=744.4
fwS=2.85
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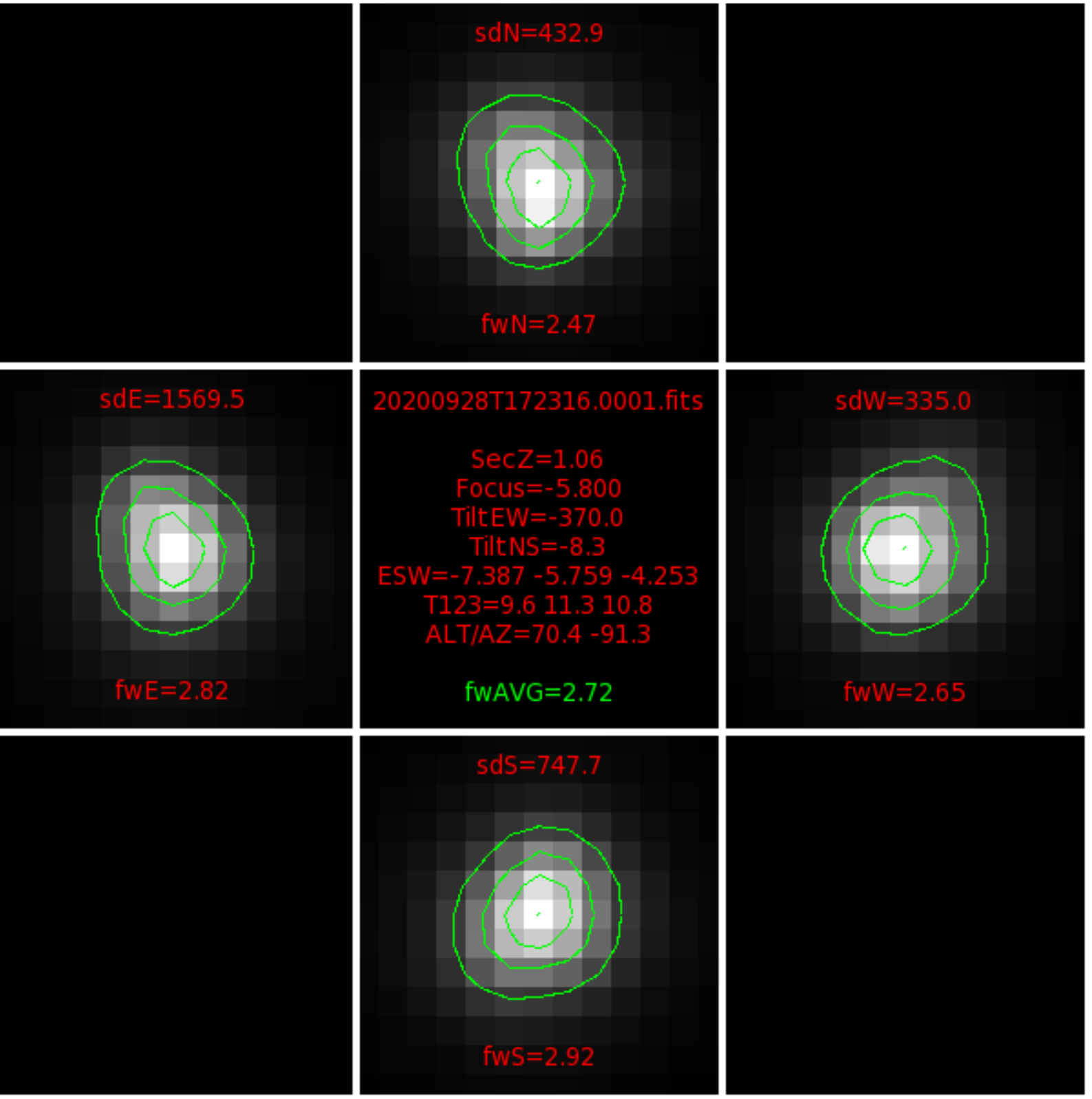
sdN=432.9
fwN=2.47
sdE=1569.5
fwE=2.82
20200928T172316.0001.fits
SecZ=1.06
Focus=-5.800
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.387 -5.759 -4.253
T123=9.6 11.3 10.8
ALT/AZ=70.4 -91.3
fwAVG=2.72
sdW=335.0
fwW=2.65
sdS=747.7
fwS=2.92
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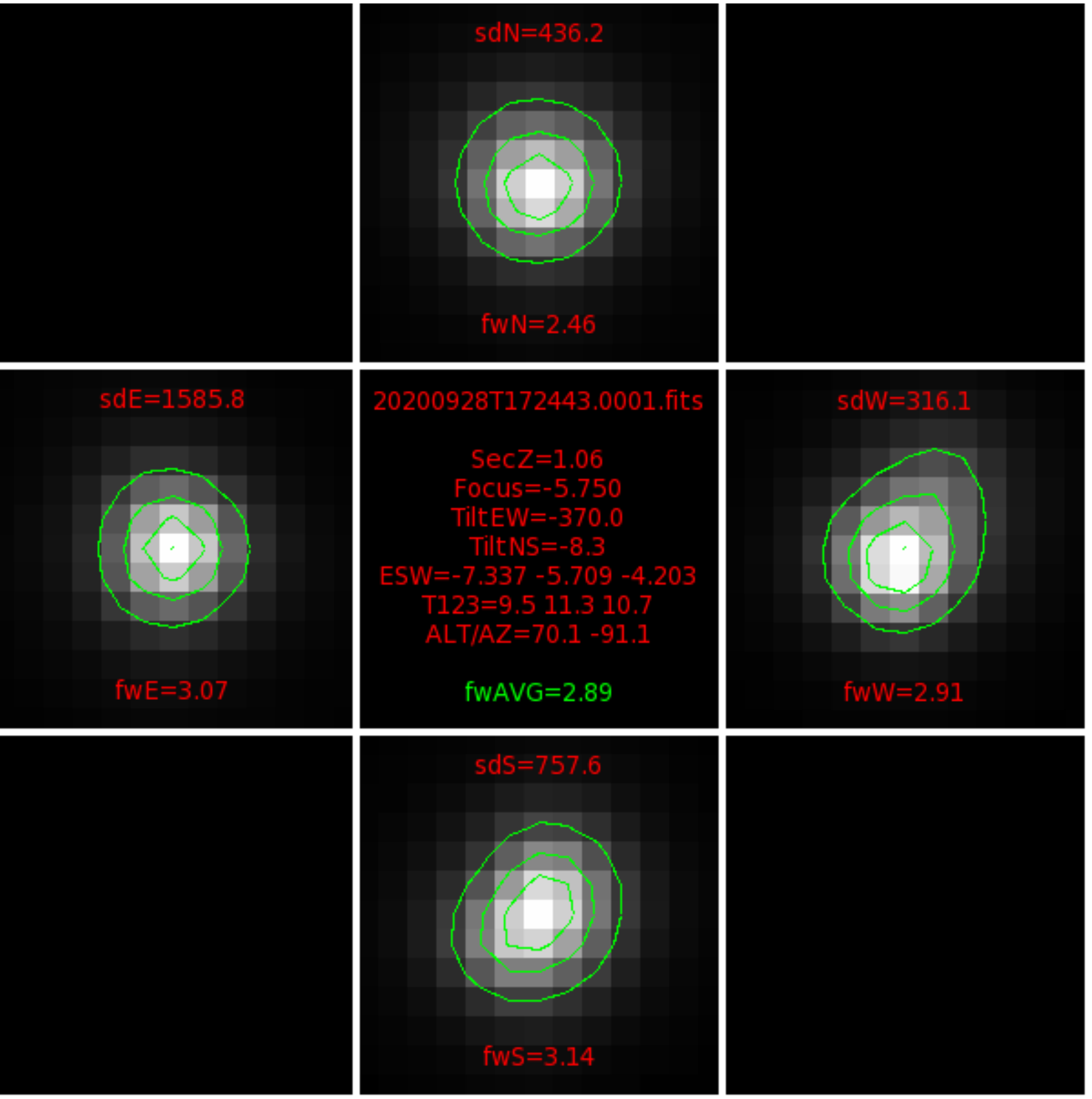
sdN=436.2
fwN=2.46
sdE=1585.8
fwE=3.07
20200928T172443.0001.fits
SecZ=1.06
Focus=-5.750
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.337 -5.709 -4.203
T123=9.5 11.3 10.7
ALT/AZ=70.1 -91.1
fwAVG=2.89
sdW=316.1
fwW=2.91
sdS=757.6
fwS=3.14
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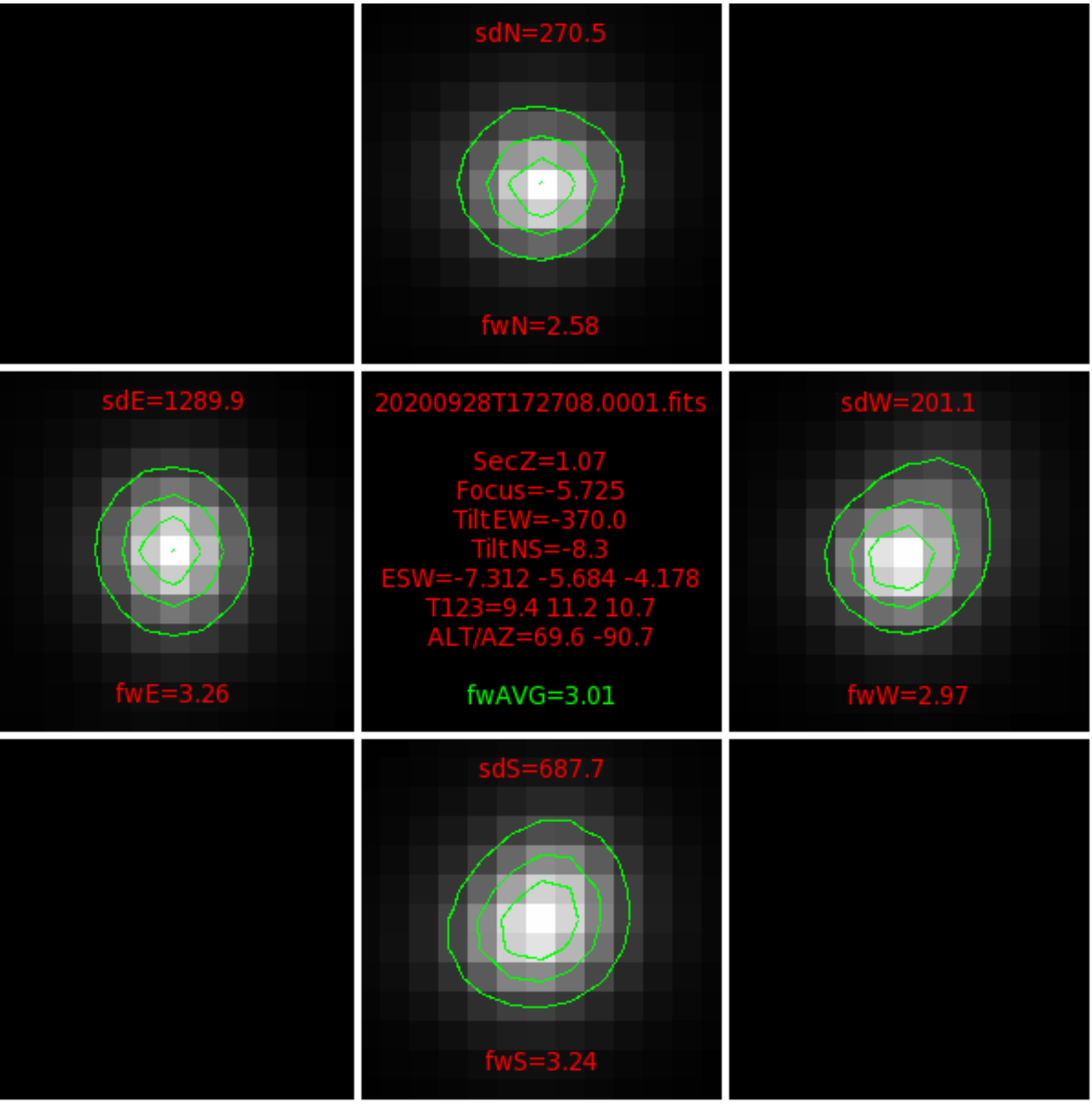
sdN=270.5
fwN=2.58
sdE=1289.9
fwE=3.26
20200928T172708.0001.fits
SecZ=1.07
Focus=-5.725
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.312 -5.684 -4.178
T123=9.4 11.2 10.7
ALT/AZ=69.6 -90.7
fwAVG=3.01
sdW=201.1
fwW=2.97
sdS=687.7
fwS=3.24
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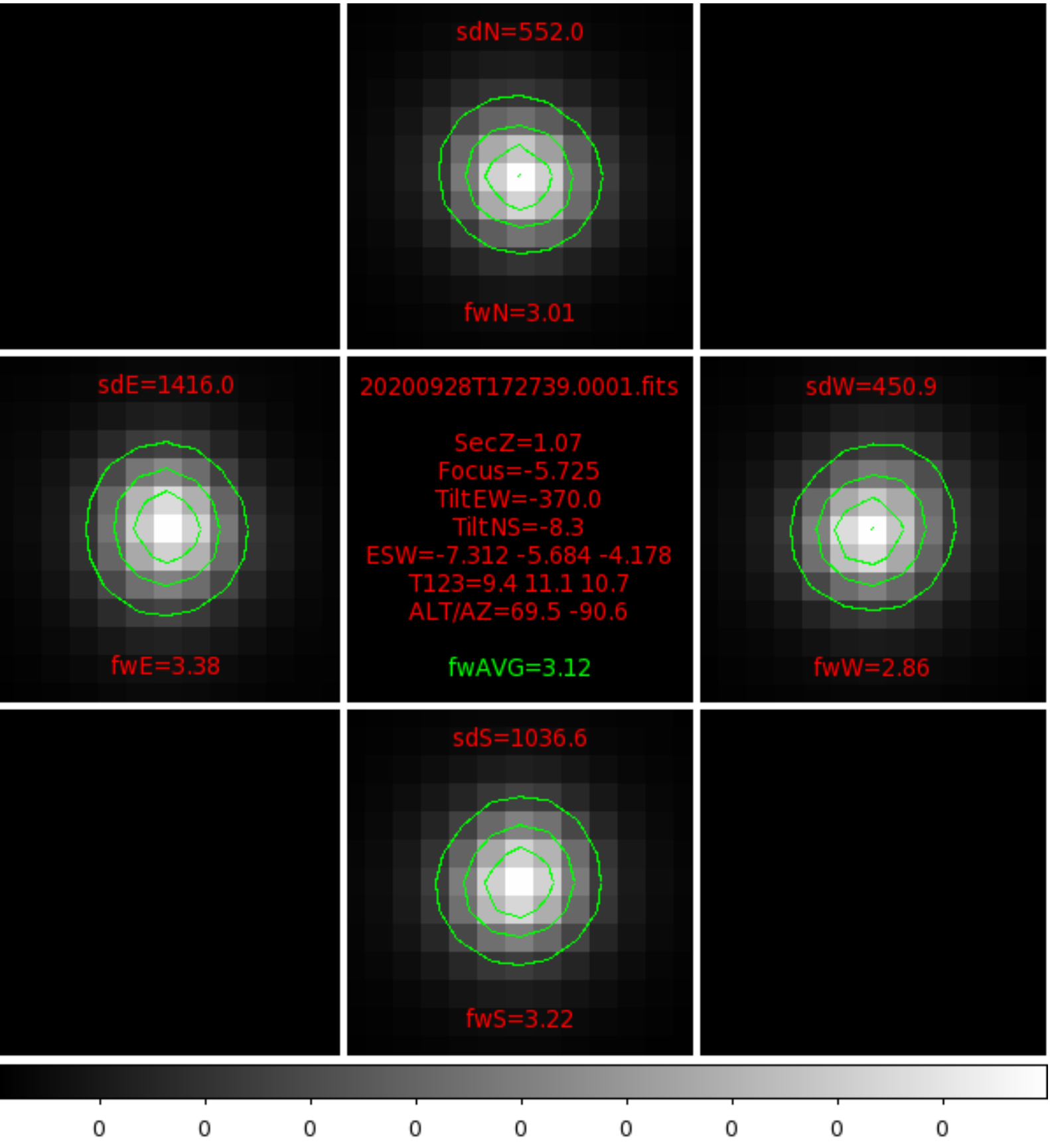
sdN=552.0
fwN=3.01
sdE=1416.0
fwE=3.38
20200928T172739.0001.fits
SecZ=1.07
Focus=-5.725
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.312 -5.684 -4.178
T123=9.4 11.1 10.7
ALT/AZ=69.5 -90.6
fwAVG=3.12
sdW=450.9
fwW=2.86
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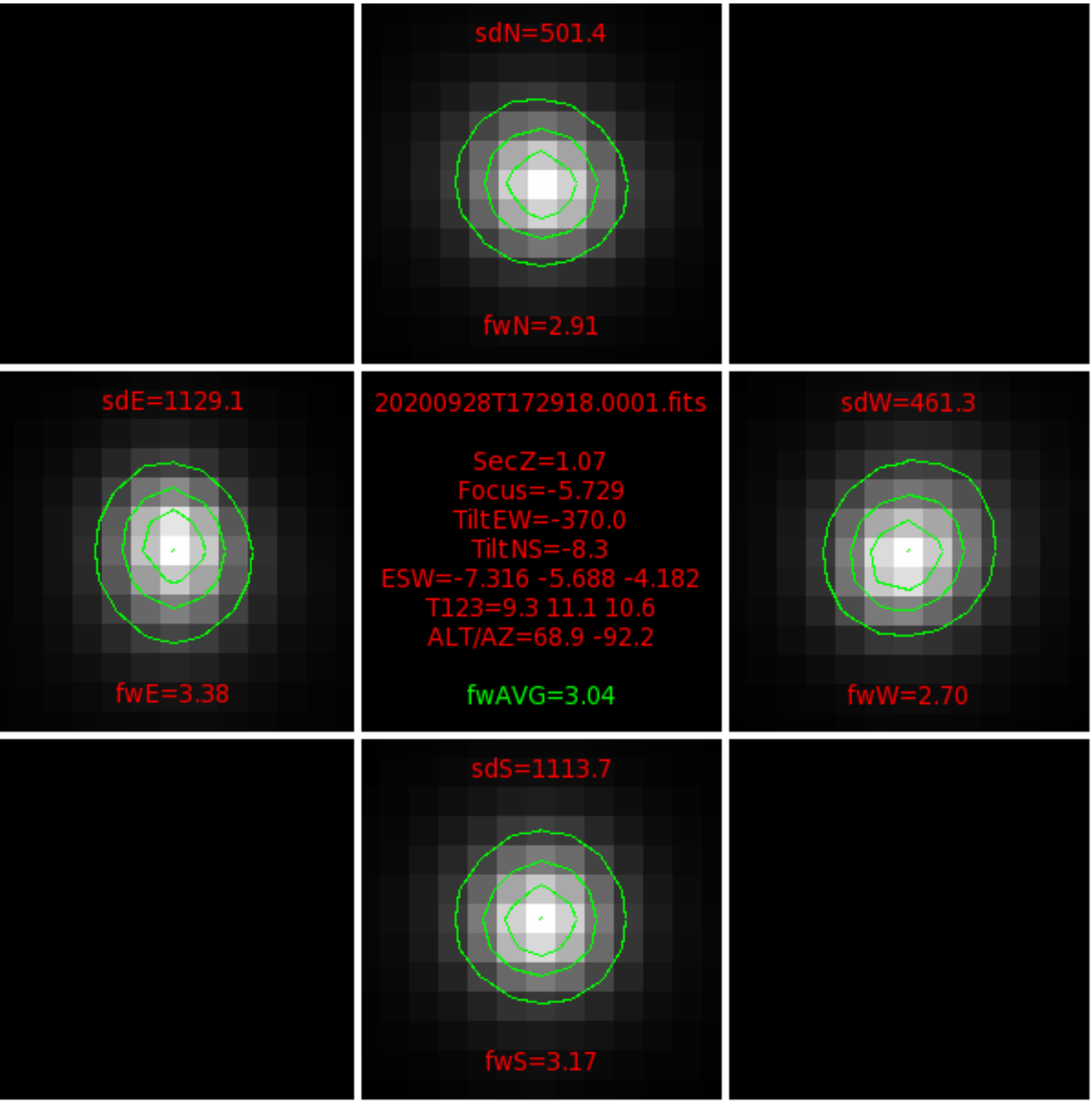
sdN=501.4
fwN=2.91
sdE=1129.1
fwE=3.38
20200928T172918.0001.fits
SecZ=1.07
Focus=-5.729
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.316 -5.688 -4.182
T123=9.3 11.1 10.6
ALT/AZ=68.9 -92.2
fwAVG=3.04
sdW=461.3
fwW=2.70
sdS=1113.7
fwS=3.17
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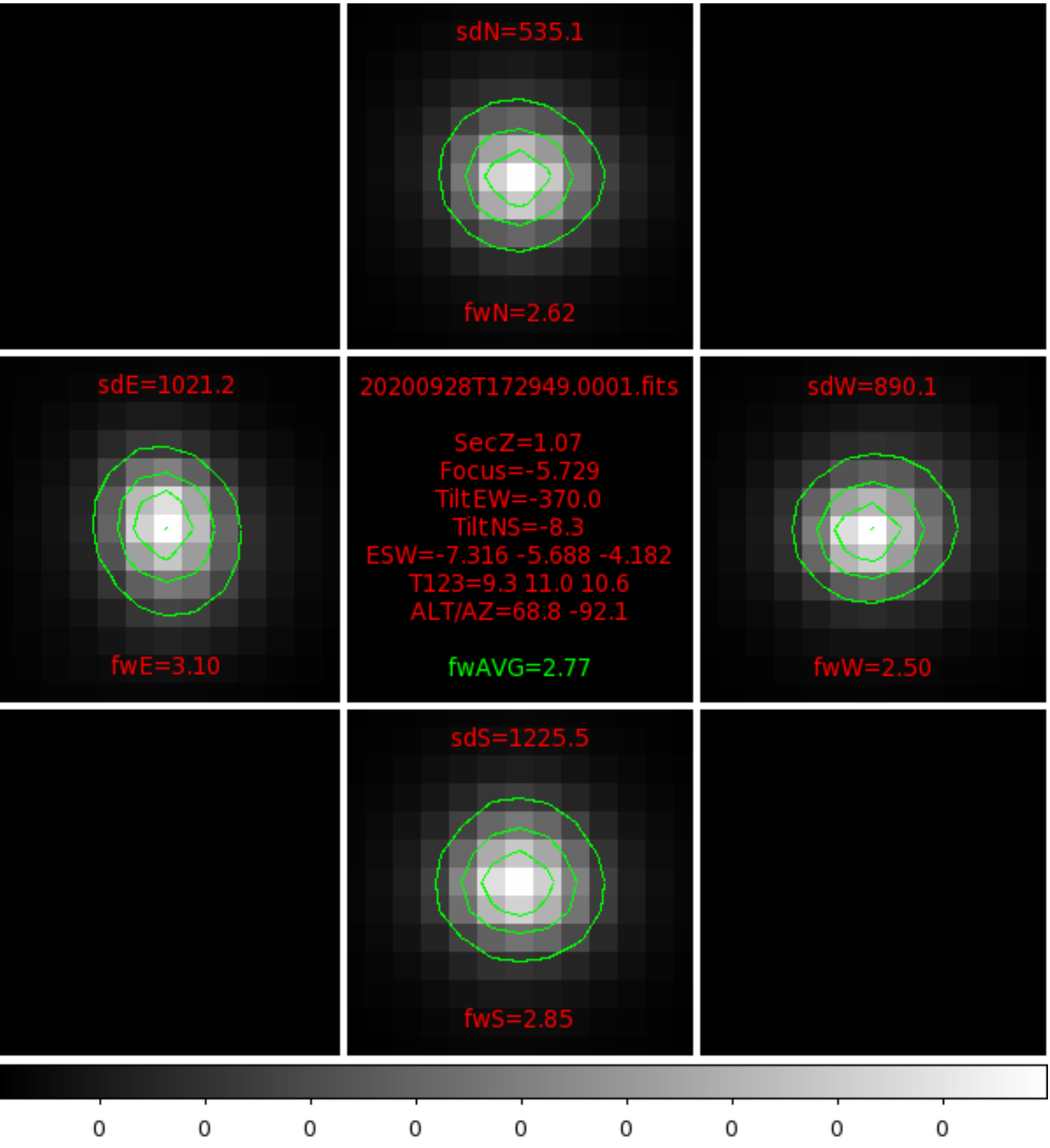
sdN=535.1
fwN=2.62
sdE=1021.2
fwE=3.10
20200928T172949.0001.fits
SecZ=1.07
Focus=-5.729
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.316 -5.688 -4.182
T123=9.3 11.0 10.6
ALT/AZ=68.8 -92.1
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sdW=890.1
fwW=2.50
sdS=1225.5
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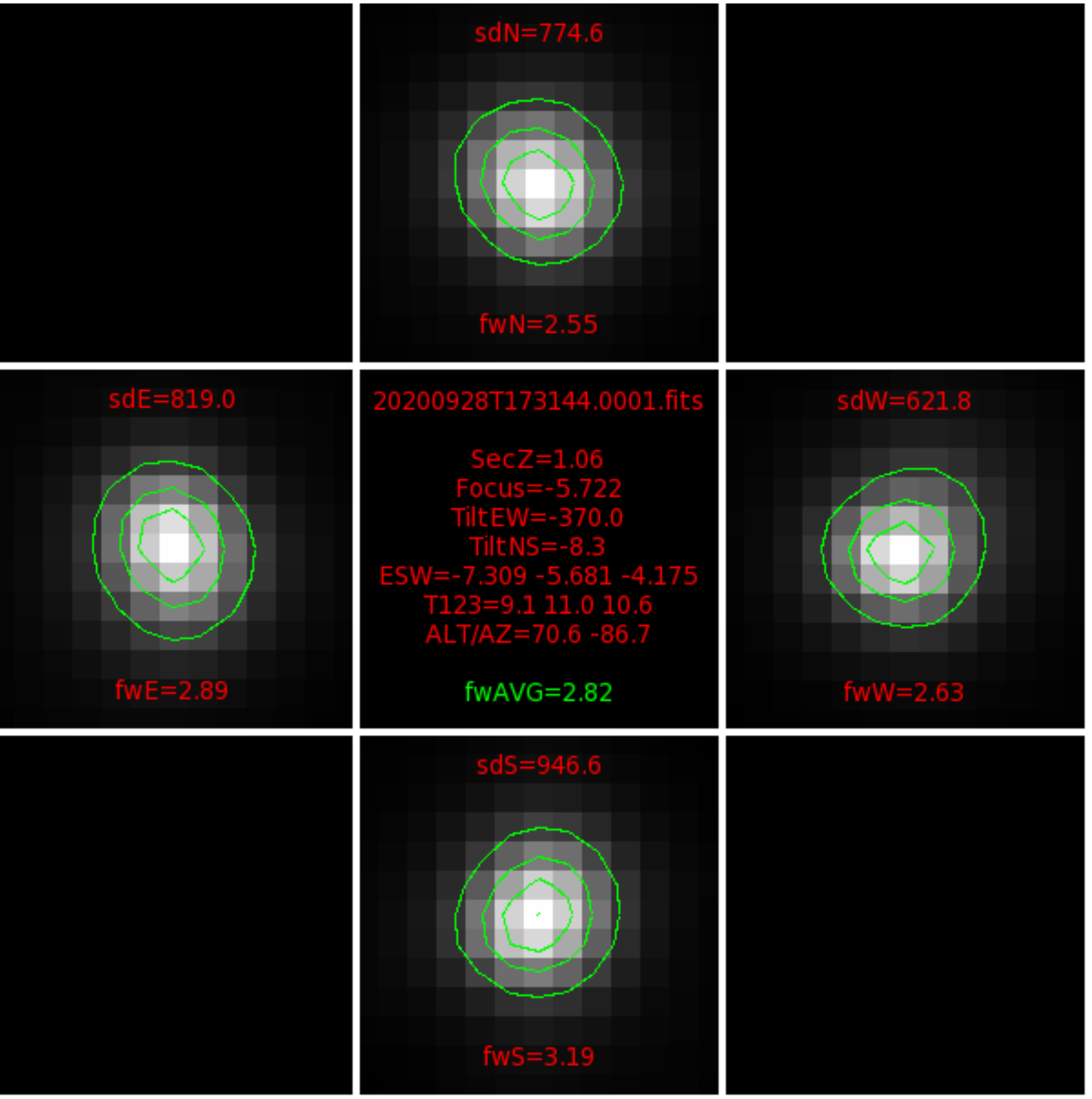
sdN=774.6
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sdE=819.0
fwE=2.89
20200928T173144.0001.fits
SecZ=1.06
Focus=-5.722
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.309 -5.681 -4.175
T123=9.1 11.0 10.6
ALT/AZ=70.6 -86.7
fwAVG=2.82
sdW=621.8
fwW=2.63
sdS=946.6
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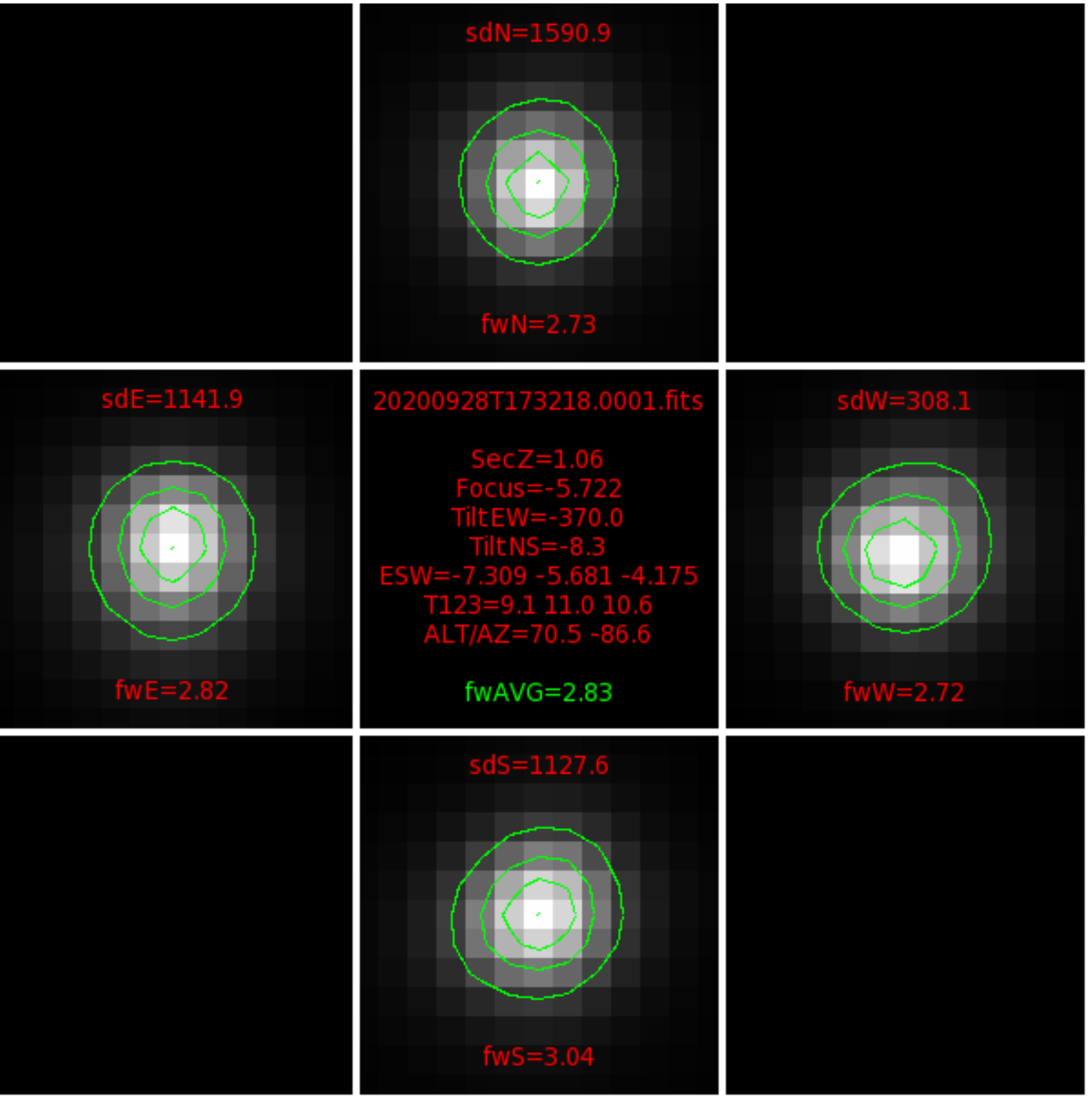
sdN=1590.9
fwN=2.73
sdE=1141.9
fwE=2.82
20200928T173218.0001.fits
SecZ=1.06
Focus=-5.722
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.309 -5.681 -4.175
T123=9.1 11.0 10.6
ALT/AZ=70.5 -86.6
fwAVG=2.83
sdW=308.1
fwW=2.72
sdS=1127.6
fwS=3.04
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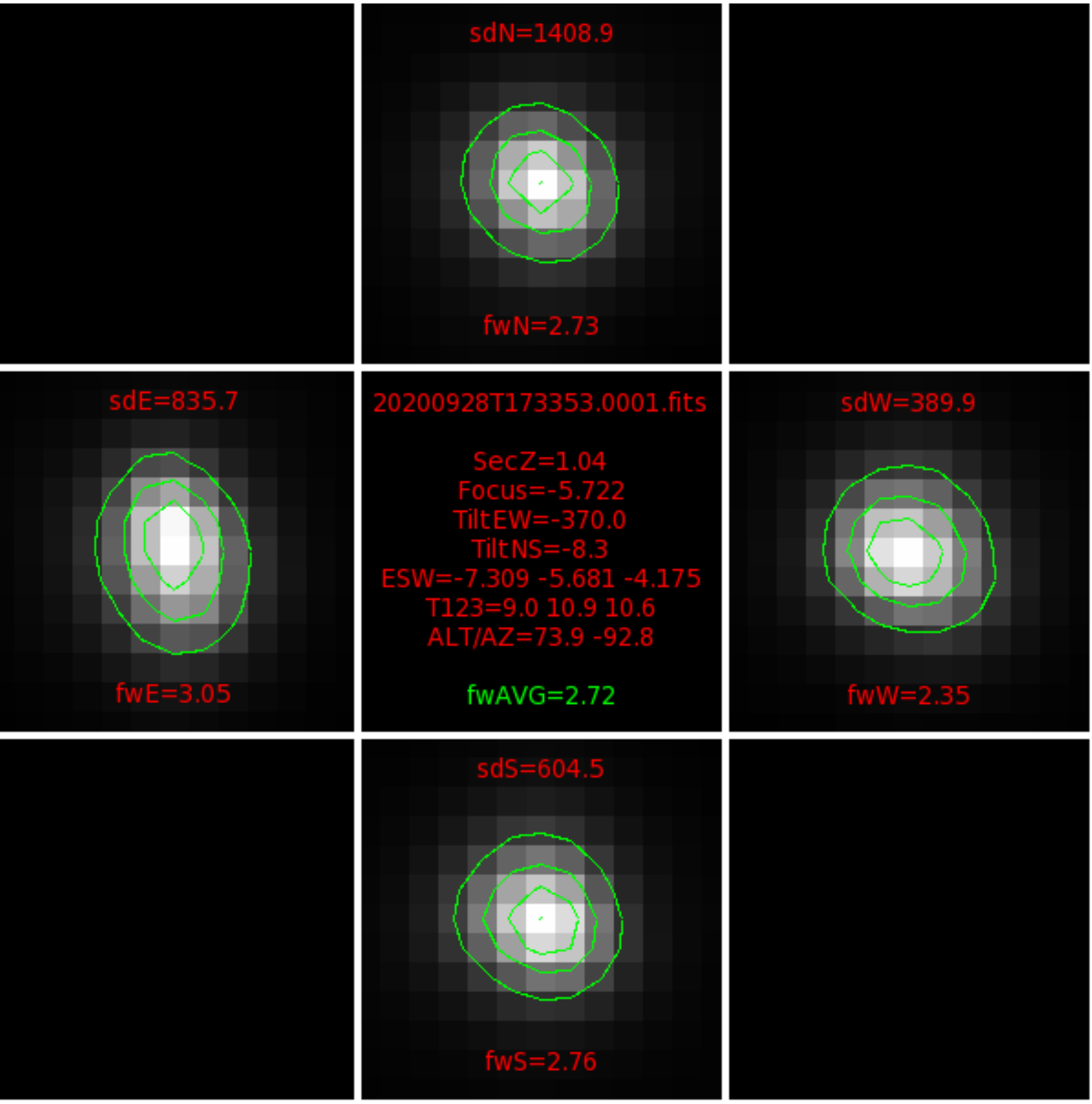
sdN=1408.9
fwN=2.73
sdE=835.7
fwE=3.05
20200928T173353.0001.fits
SecZ=1.04
Focus=-5.722
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.309 -5.681 -4.175
T123=9.0 10.9 10.6
ALT/AZ=73.9 -92.8
fwAVG=2.72
sdW=389.9
fwW=2.35
sdS=604.5
fwS=2.76
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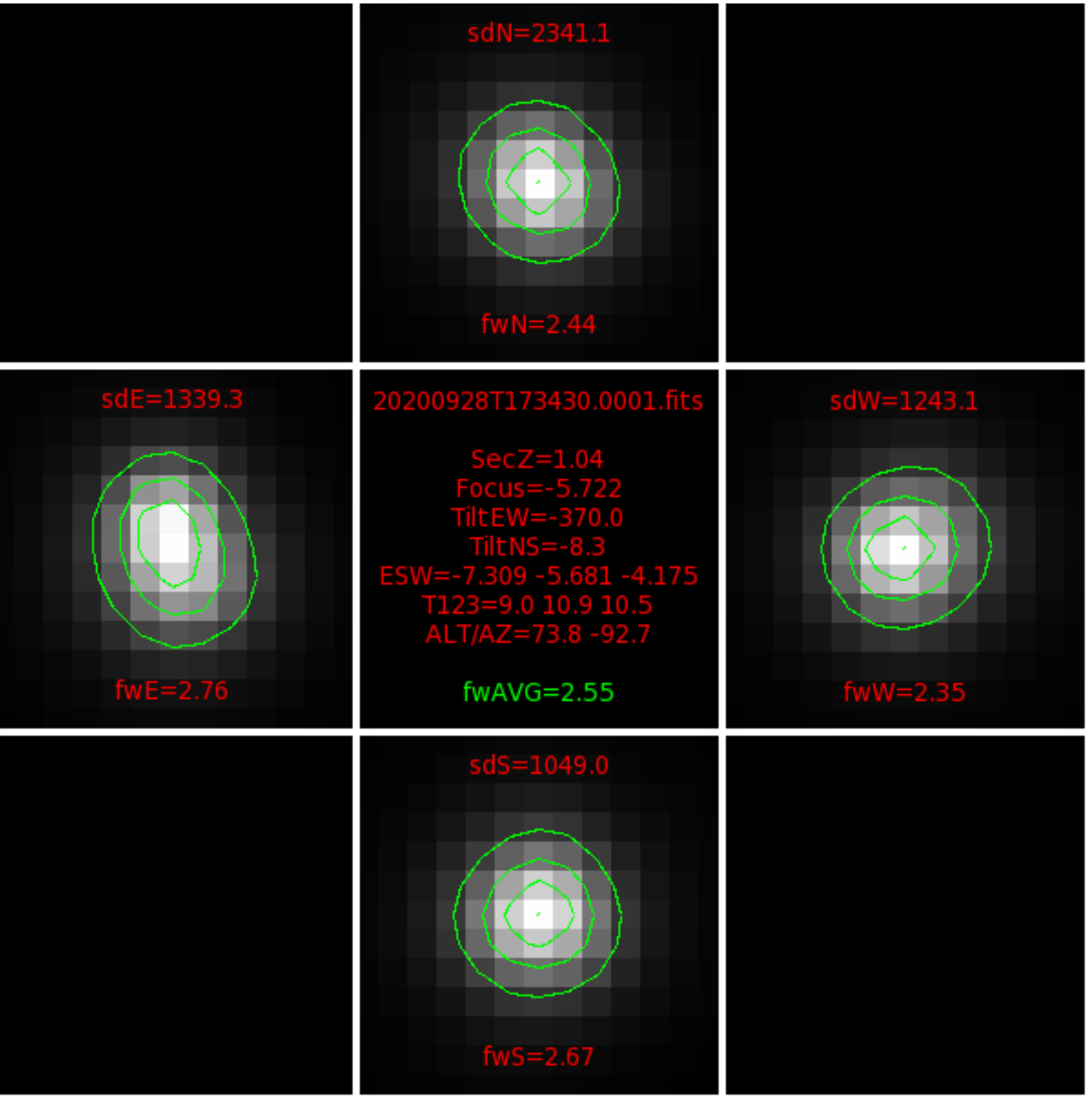
sdN=2341.1
fwN=2.44
sdE=1339.3
fwE=2.76
20200928T173430.0001.fits
SecZ=1.04
Focus=-5.722
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.309 -5.681 -4.175
T123=9.0 10.9 10.5
ALT/AZ=73.8 -92.7
fwAVG=2.55
sdW=1243.1
fwW=2.35
sdS=1049.0
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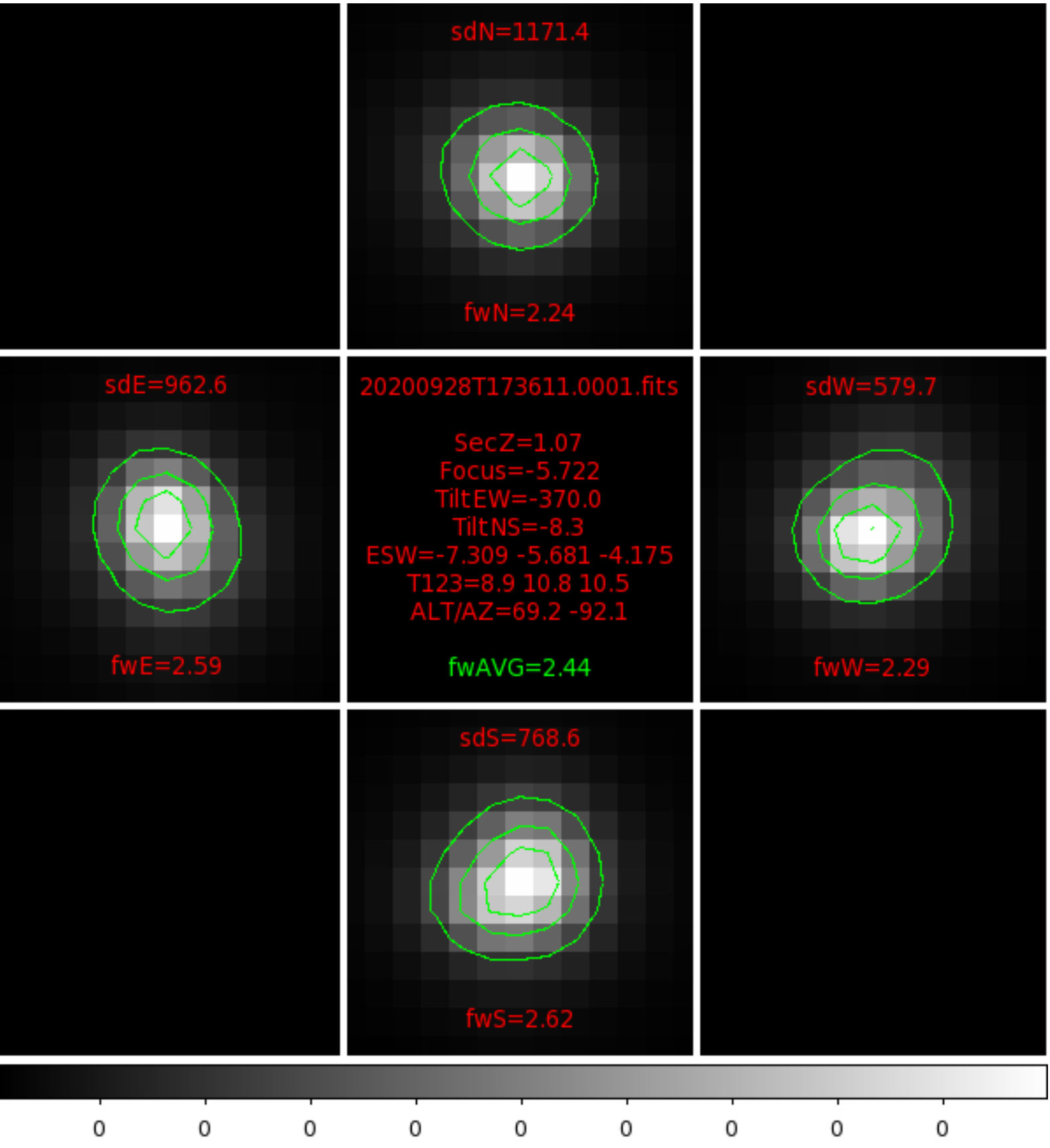
sdN=1171.4
fwN=2.24
sdE=962.6
fwE=2.59
20200928T173611.0001.fits
SecZ=1.07
Focus=-5.722
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.309 -5.681 -4.175
T123=8.9 10.8 10.5
ALT/AZ=69.2 -92.1
fwAVG=2.44
sdW=579.7
fwW=2.29
sdS=768.6
fwS=2.62
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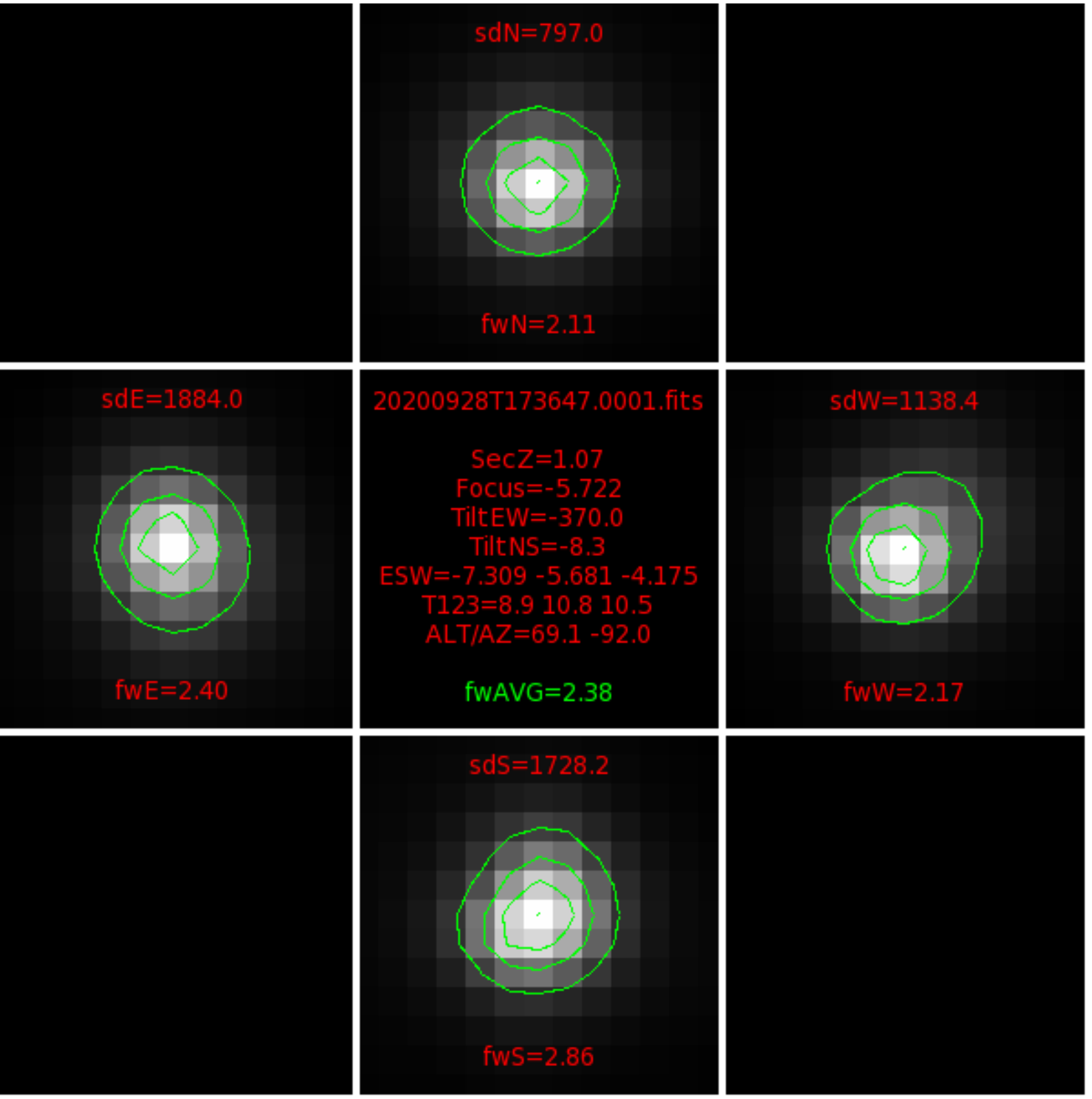
sdN=797.0
fwN=2.11
sdE=1884.0
fwE=2.40
20200928T173647.0001.fits
SecZ=1.07
Focus=-5.722
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.309 -5.681 -4.175
T123=8.9 10.8 10.5
ALT/AZ=69.1 -92.0
fwAVG=2.38
sdW=1138.4
fwW=2.17
sdS=1728.2
fwS=2.86
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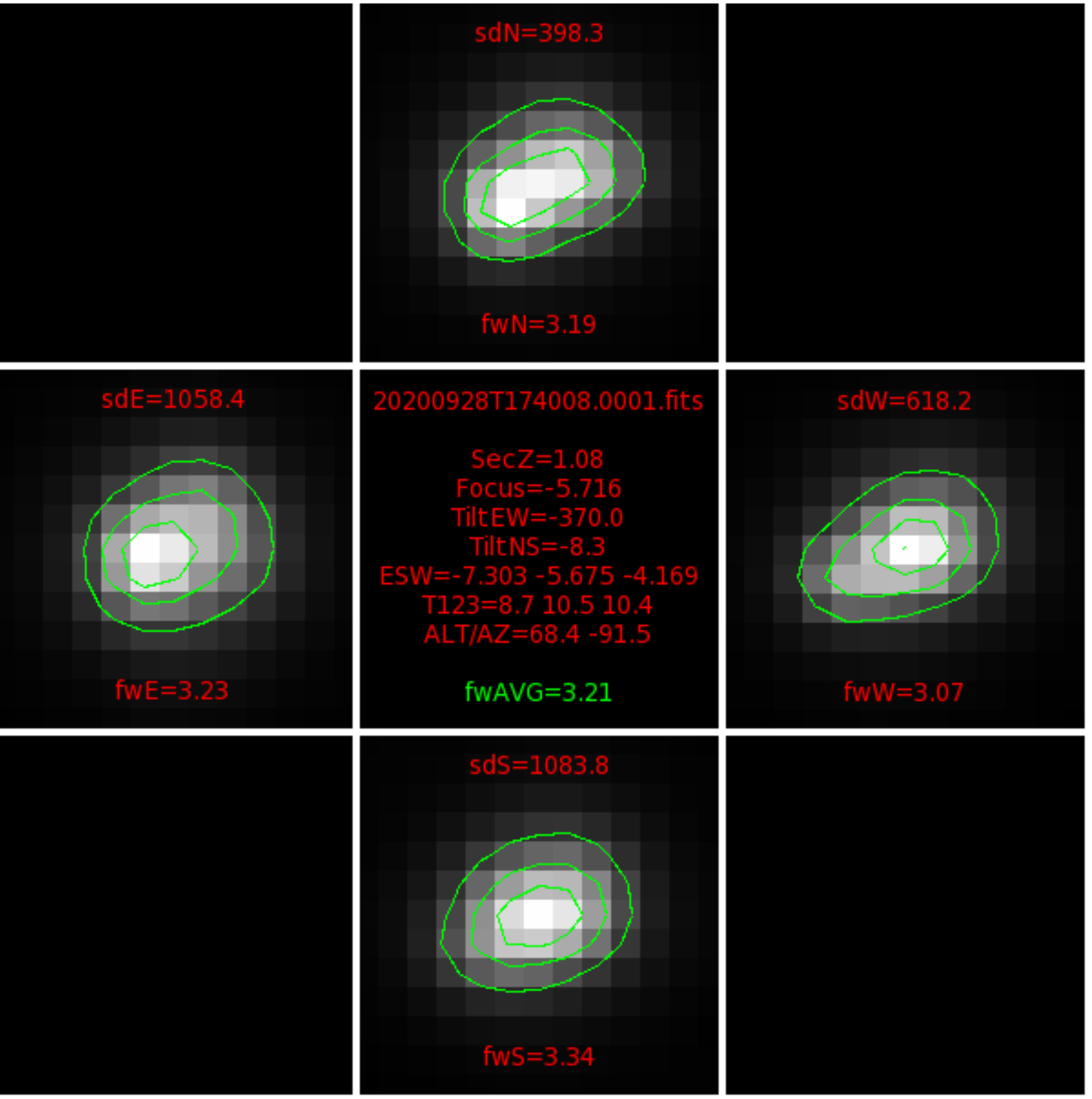
sdN=398.3
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sdE=1058.4
fwE=3.23
20200928T174008.0001.fits
SecZ=1.08
Focus=-5.716
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.303 -5.675 -4.169
T123=8.7 10.5 10.4
ALT/AZ=68.4 -91.5
fwAVG=3.21
sdW=618.2
fwW=3.07
sdS=1083.8
fwS=3.34
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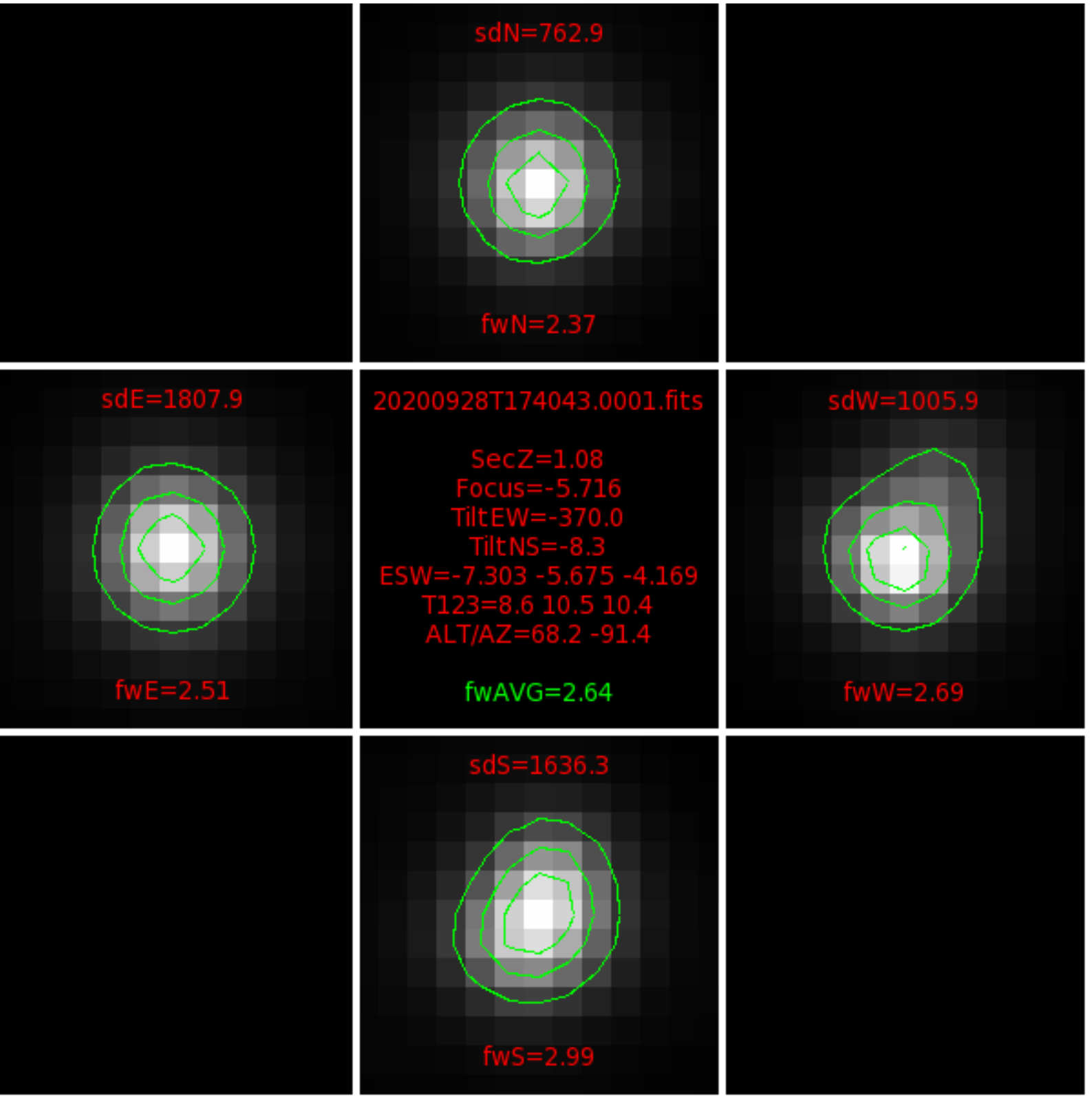
sdN=762.9
fwN=2.37
sdE=1807.9
fwE=2.51
20200928T174043.0001.fits
SecZ=1.08
Focus=-5.716
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.303 -5.675 -4.169
T123=8.6 10.5 10.4
ALT/AZ=68.2 -91.4
fwAVG=2.64
sdW=1005.9
fwW=2.69
sdS=1636.3
fwS=2.99
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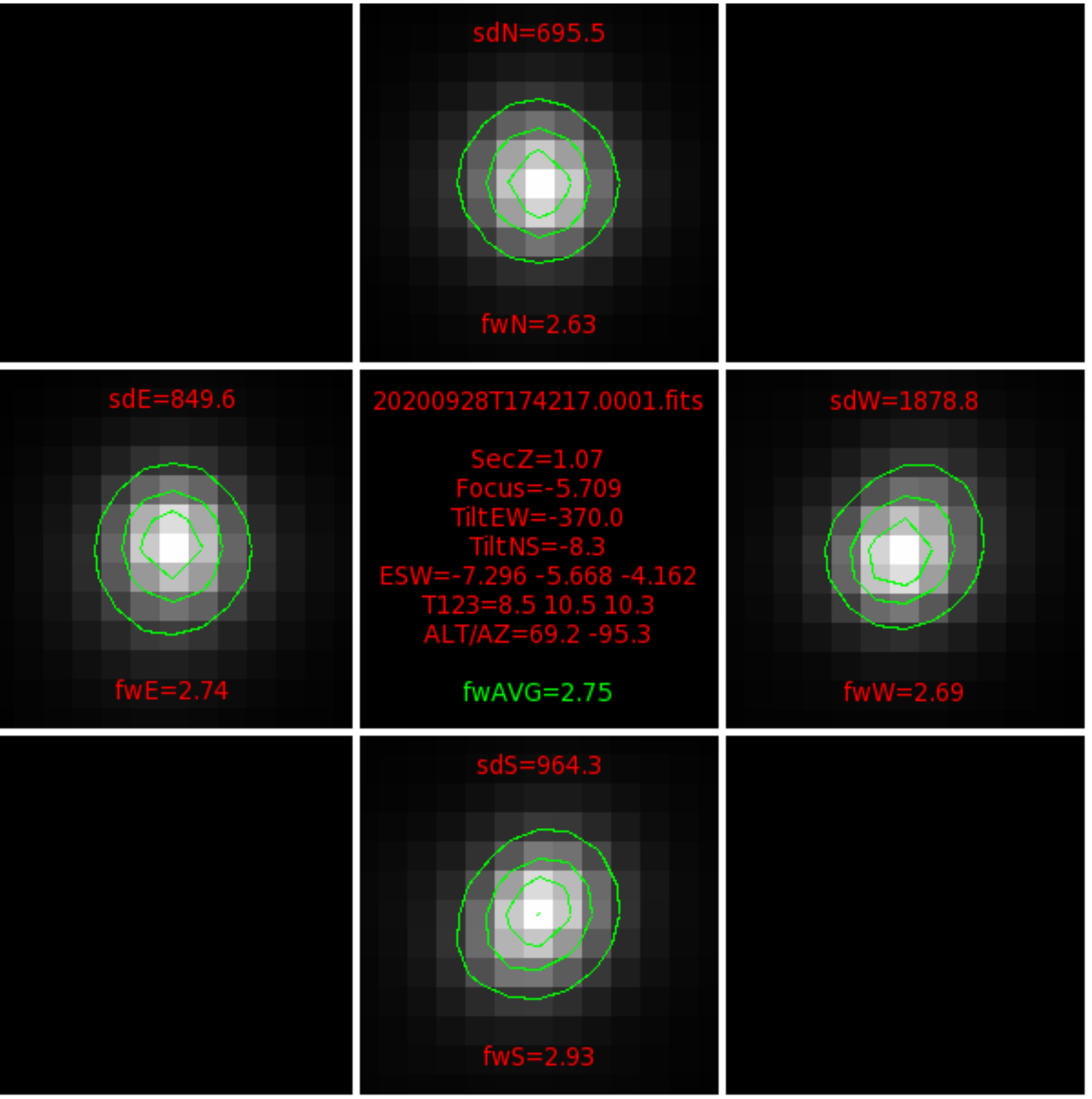
sdN=695.5
fwN=2.63
sdE=849.6
fwE=2.74
20200928T174217.0001.fits
SecZ=1.07
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=8.5 10.5 10.3
ALT/AZ=69.2 -95.3
fwAVG=2.75
sdW=1878.8
fwW=2.69
sdS=964.3
fwS=2.93
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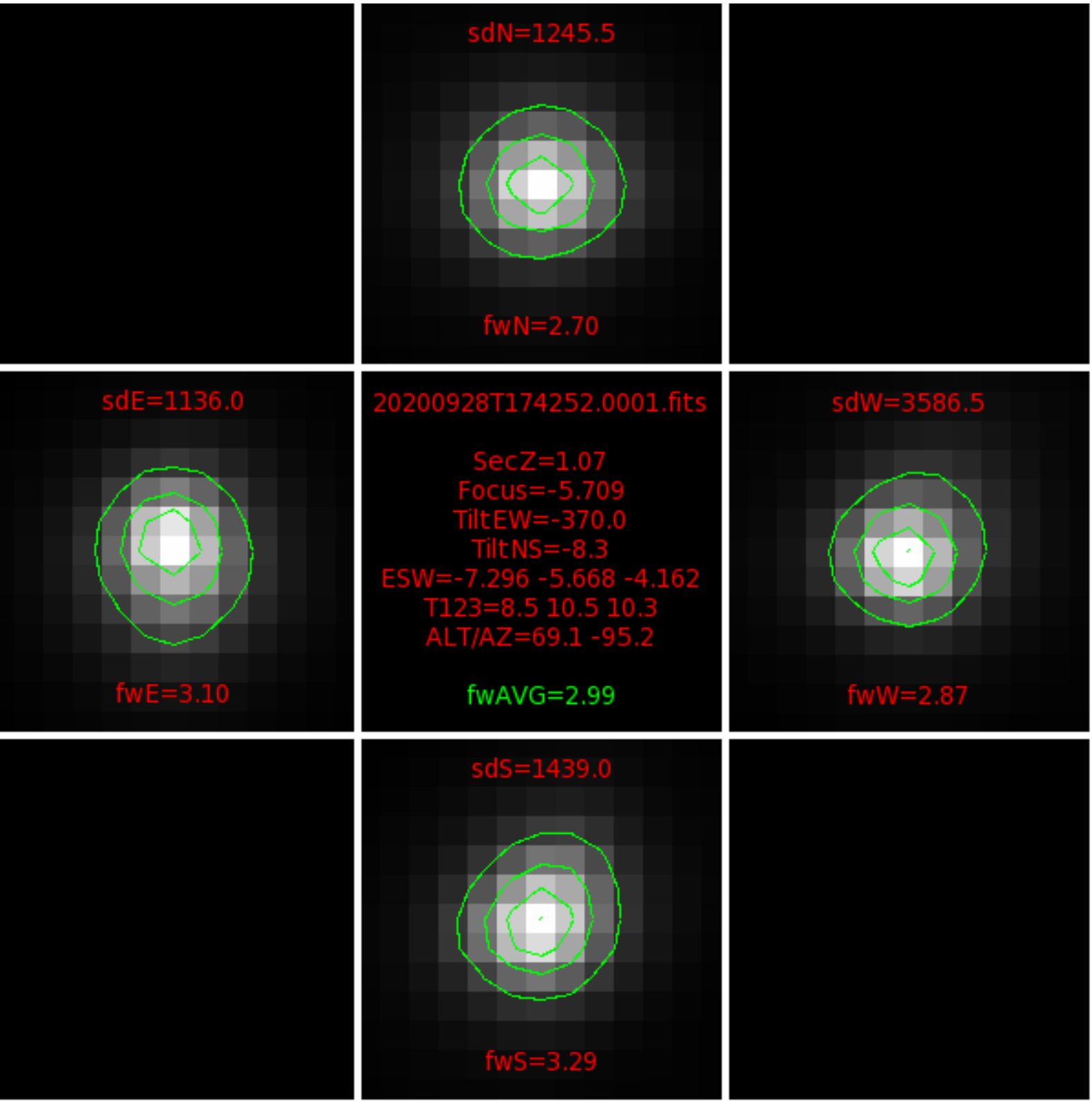
sdN=1245.5
fwN=2.70
sdE=1136.0
fwE=3.10
20200928T174252.0001.fits
SecZ=1.07
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=8.5 10.5 10.3
ALT/AZ=69.1 -95.2
fwAVG=2.99
sdW=3586.5
fwW=2.87
sdS=1439.0
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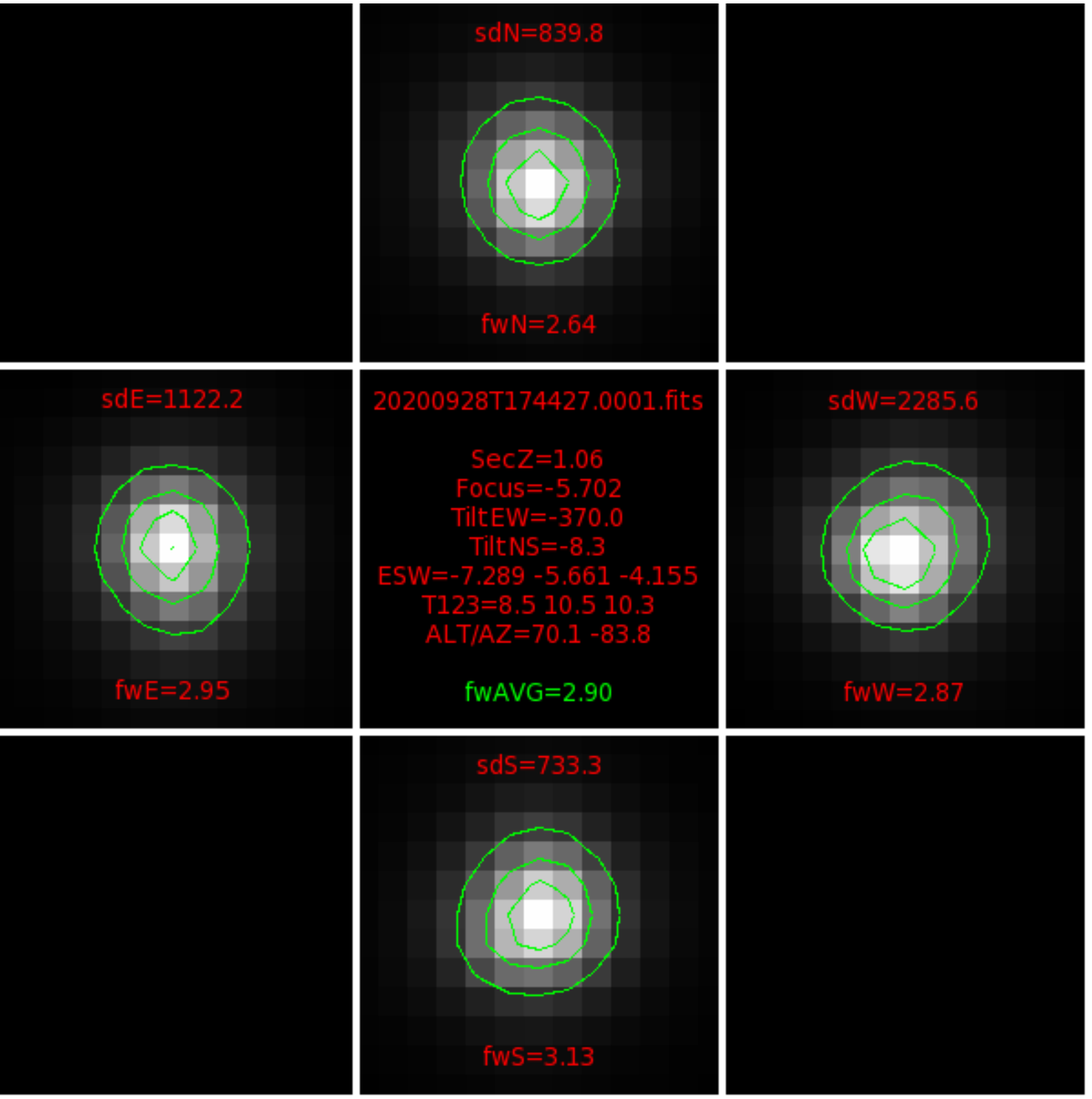
sdN=839.8
fwN=2.64
sdE=1122.2
fwE=2.95
20200928T174427.0001.fits
SecZ=1.06
Focus=-5.702
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.289 -5.661 -4.155
T123=8.5 10.5 10.3
ALT/AZ=70.1 -83.8
fwAVG=2.90
sdW=2285.6
fwW=2.87
sdS=733.3
fwS=3.13
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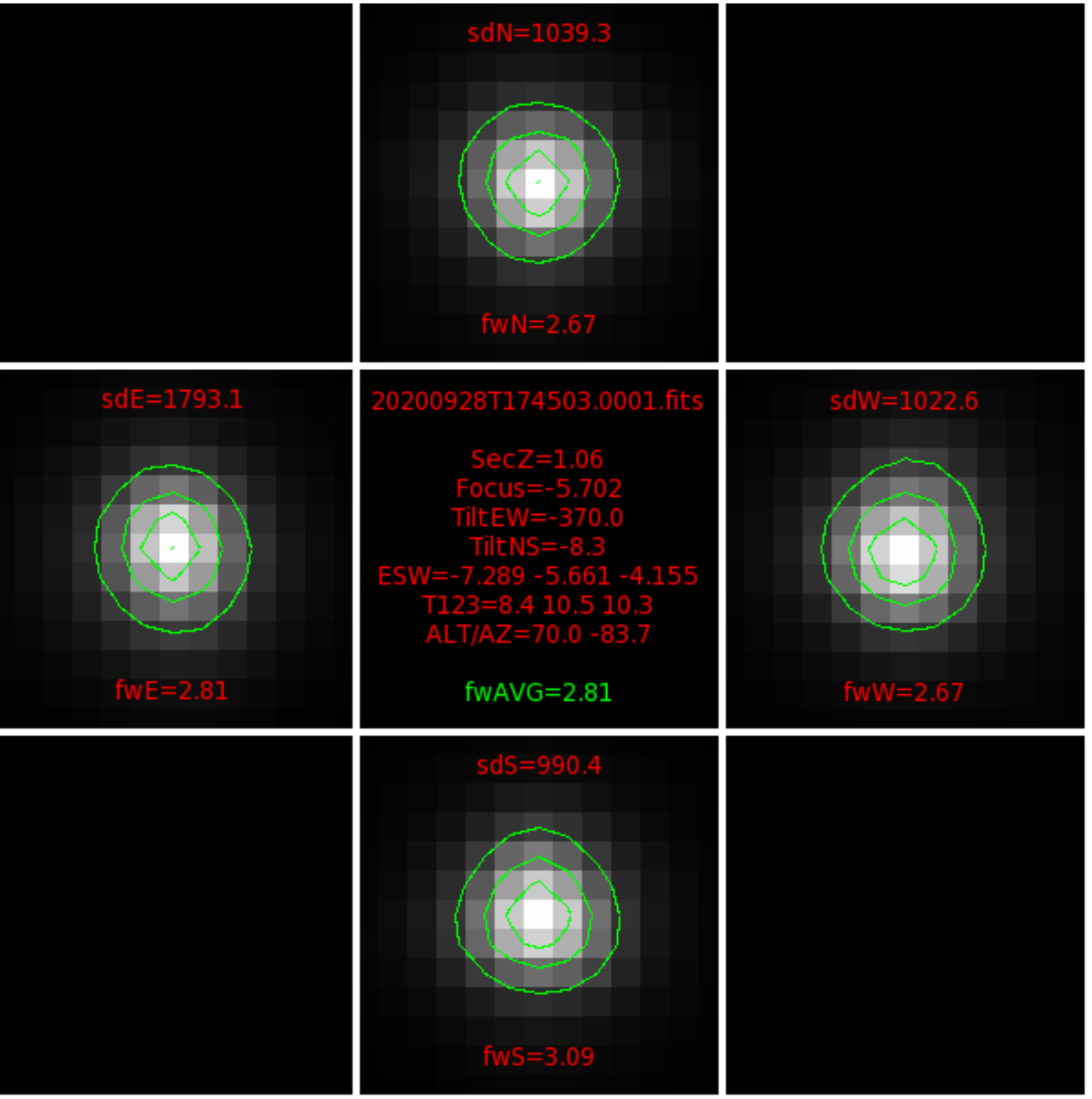
sdN=1039.3
fwN=2.67
sdE=1793.1
fwE=2.81
20200928T174503.0001.fits
SecZ=1.06
Focus=-5.702
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.289 -5.661 -4.155
T123=8.4 10.5 10.3
ALT/AZ=70.0 -83.7
fwAVG=2.81
sdW=1022.6
fwW=2.67
sdS=990.4
fwS=3.09
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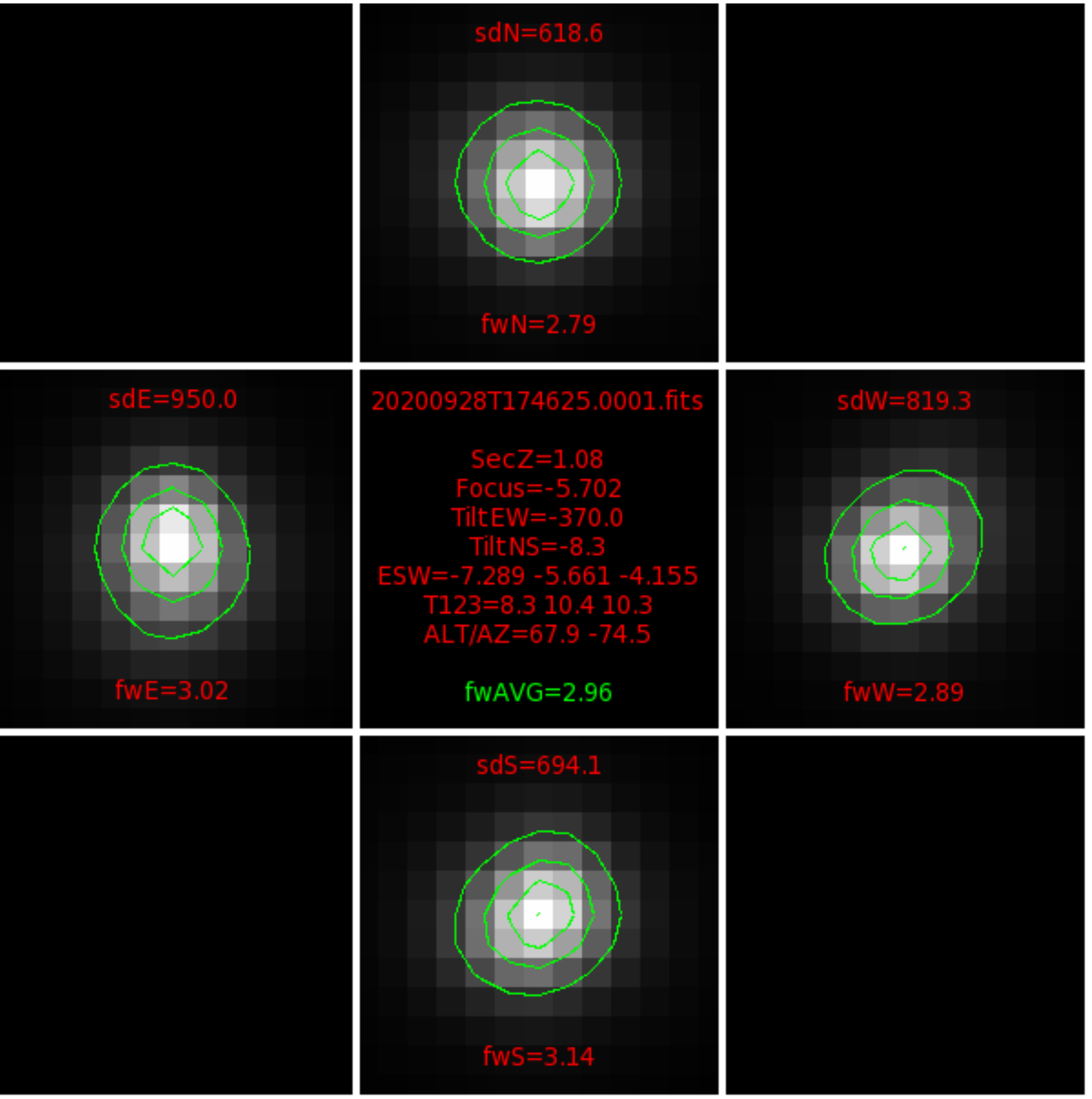
sdN=618.6
fwN=2.79
sdE=950.0
fwE=3.02
20200928T174625.0001.fits
SecZ=1.08
Focus=-5.702
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.289 -5.661 -4.155
T123=8.3 10.4 10.3
ALT/AZ=67.9 -74.5
fwAVG=2.96
sdW=819.3
fwW=2.89
sdS=694.1
fwS=3.14
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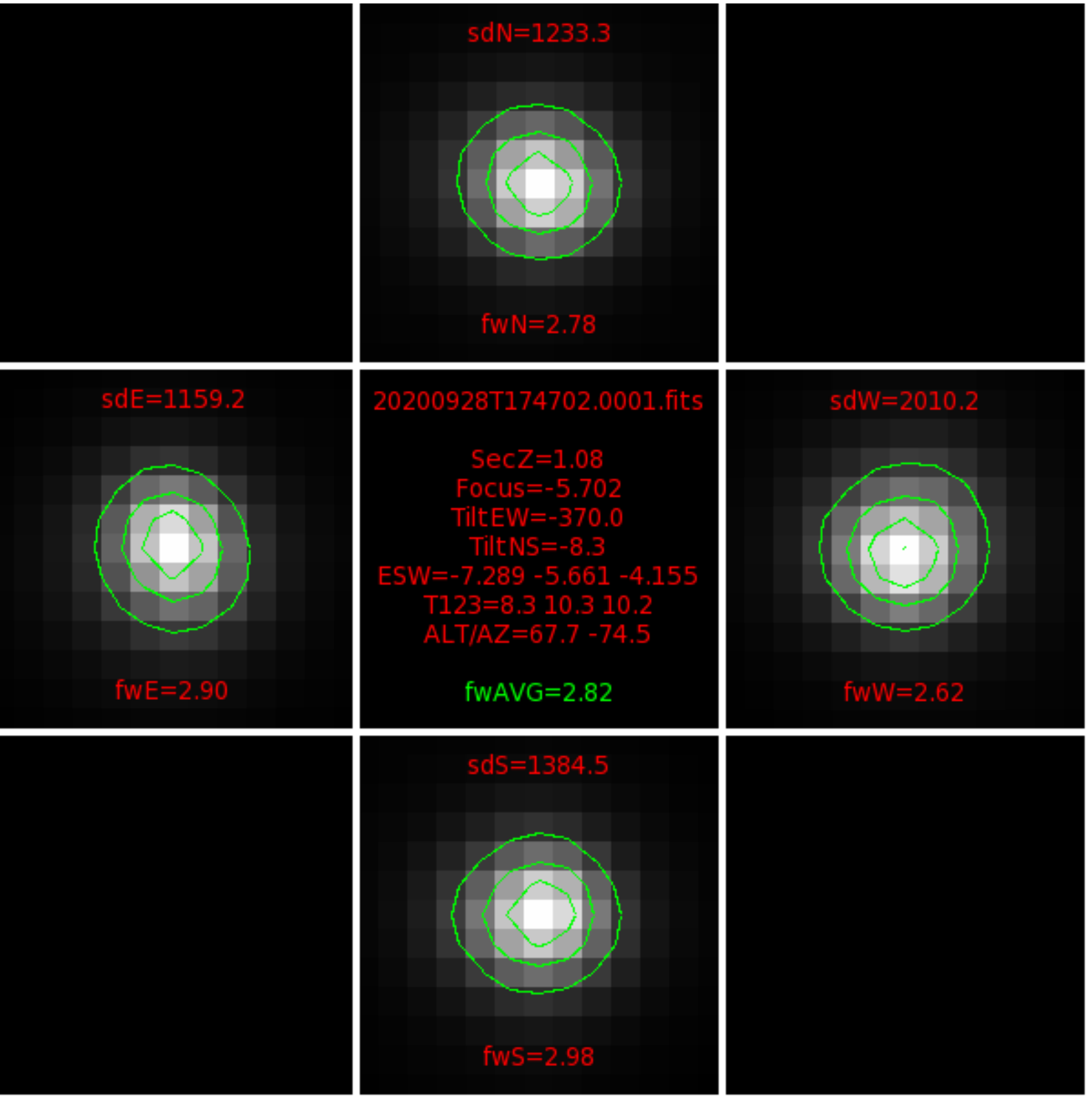
sdN=1233.3
fwN=2.78
sdE=1159.2
fwE=2.90
20200928T174702.0001.fits
SecZ=1.08
Focus=-5.702
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.289 -5.661 -4.155
T123=8.3 10.3 10.2
ALT/AZ=67.7 -74.5
fwAVG=2.82
sdW=2010.2
fwW=2.62
sdS=1384.5
fwS=2.98
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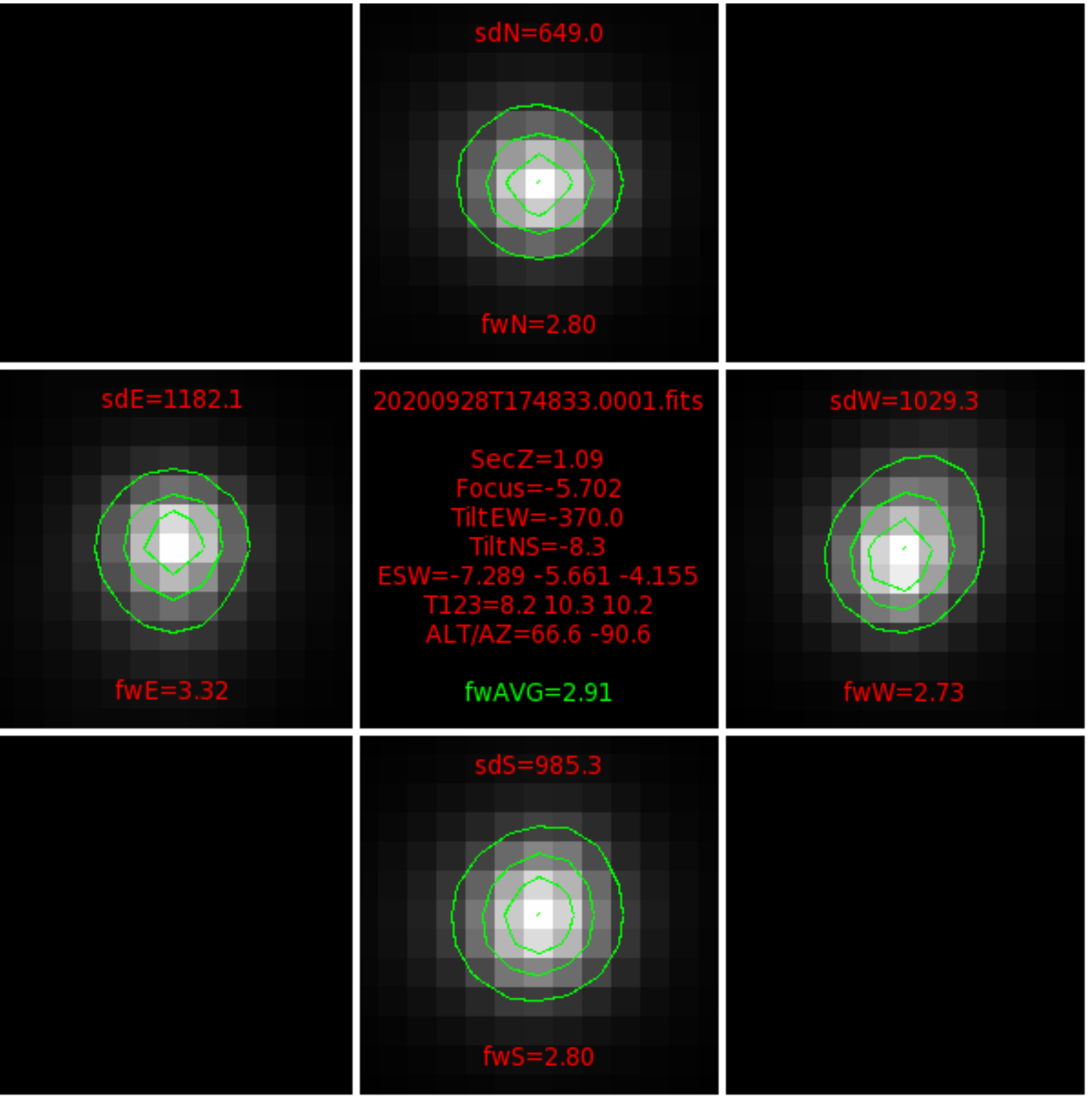
sdN=649.0
fwN=2.80
sdE=1182.1
fwE=3.32
20200928T174833.0001.fits
SecZ=1.09
Focus=-5.702
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.289 -5.661 -4.155
T123=8.2 10.3 10.2
ALT/AZ=66.6 -90.6
fwAVG=2.91
sdW=1029.3
fwW=2.73
sdS=985.3
fwS=2.80
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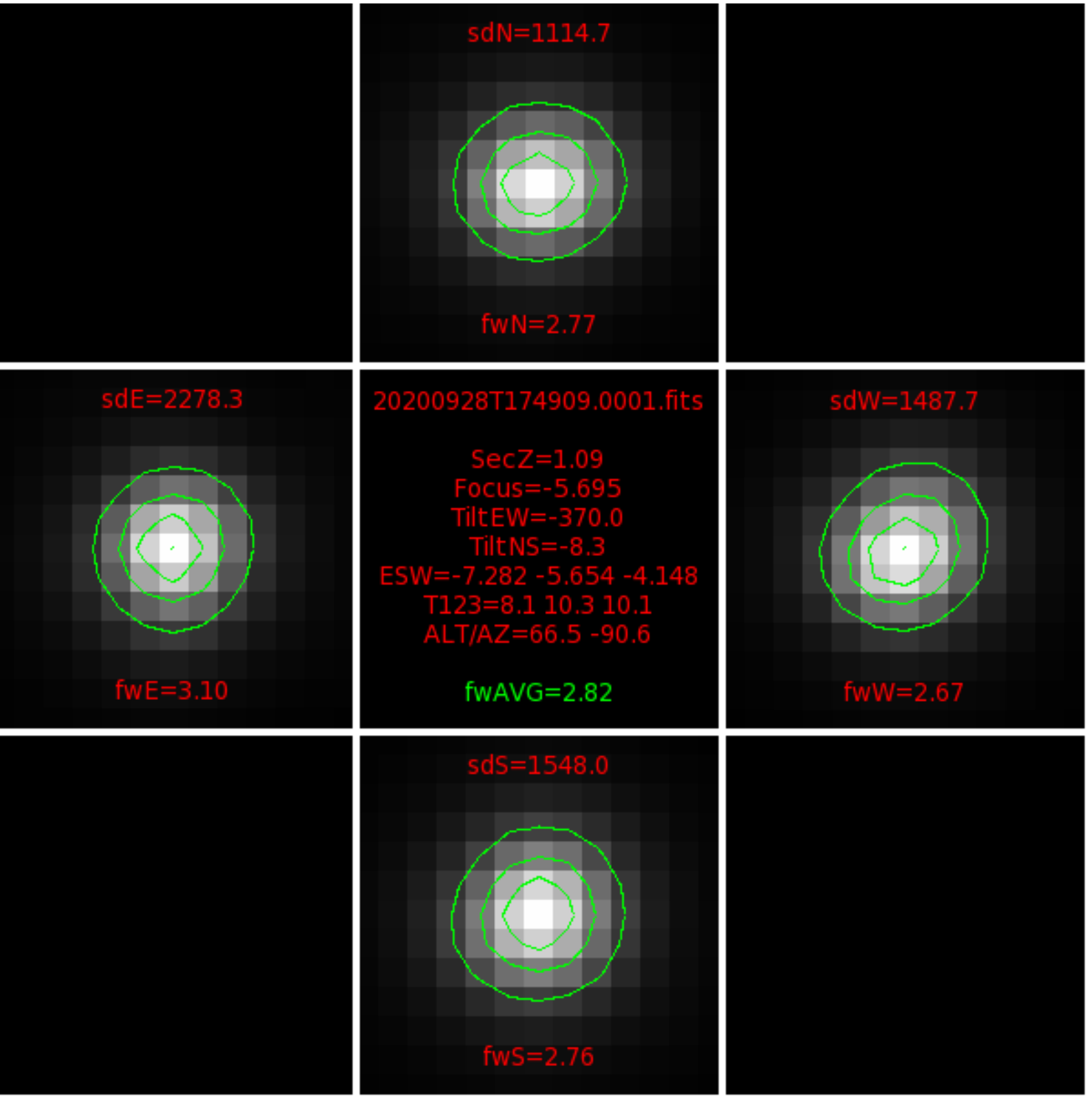
sdN=1114.7
fwN=2.77
sdE=2278.3
fwE=3.10
20200928T174909.0001.fits
SecZ=1.09
Focus=-5.695
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.282 -5.654 -4.148
T123=8.1 10.3 10.1
ALT/AZ=66.5 -90.6
fwAVG=2.82
sdW=1487.7
fwW=2.67
sdS=1548.0
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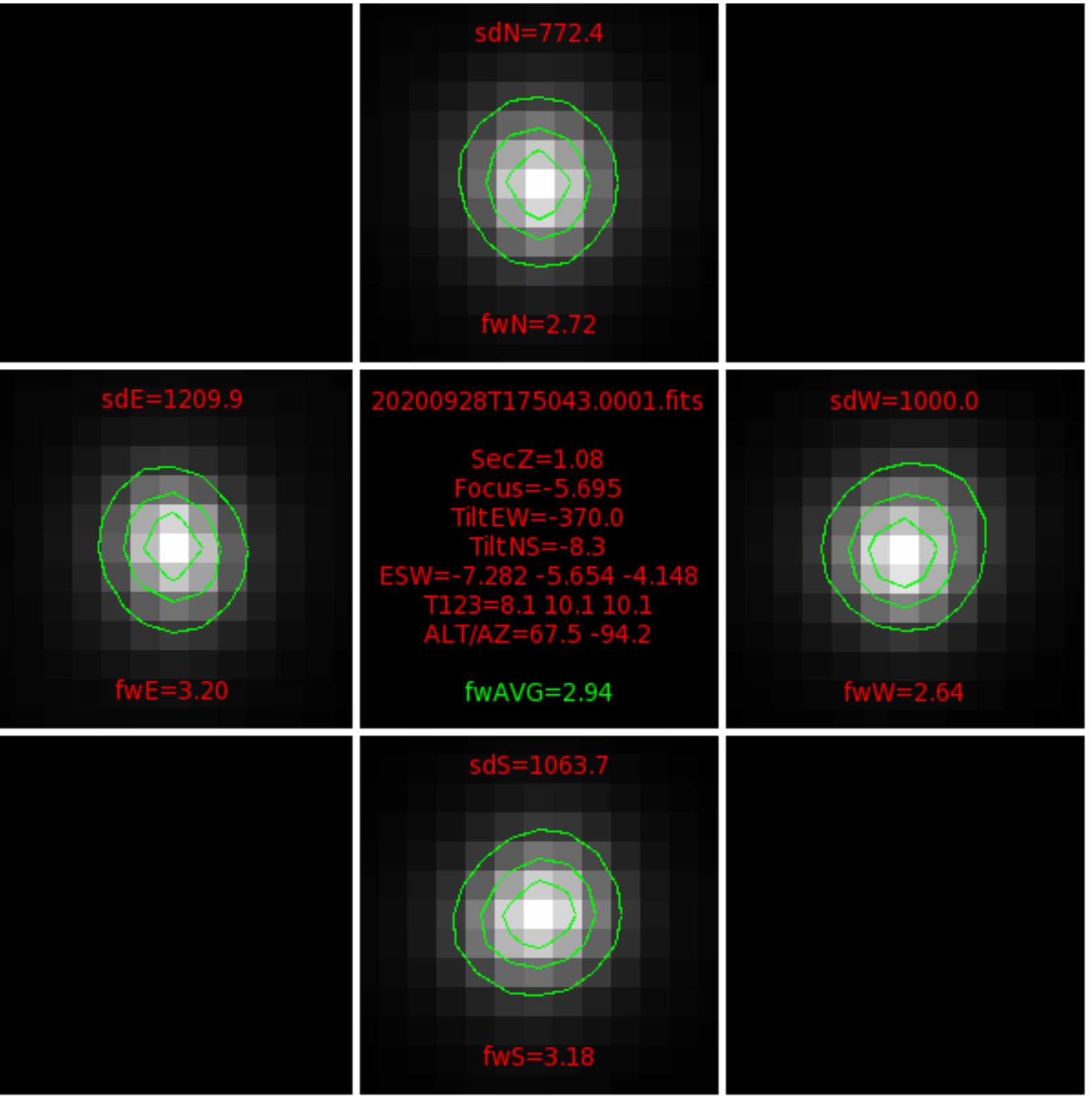
sdN=772.4
fwN=2.72
sdE=1209.9
fwE=3.20
20200928T175043.0001.fits
SecZ=1.08
Focus=-5.695
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.282 -5.654 -4.148
T123=8.1 10.1 10.1
ALT/AZ=67.5 -94.2
fwAVG=2.94
sdW=1000.0
fwW=2.64
sdS=1063.7
fwS=3.18
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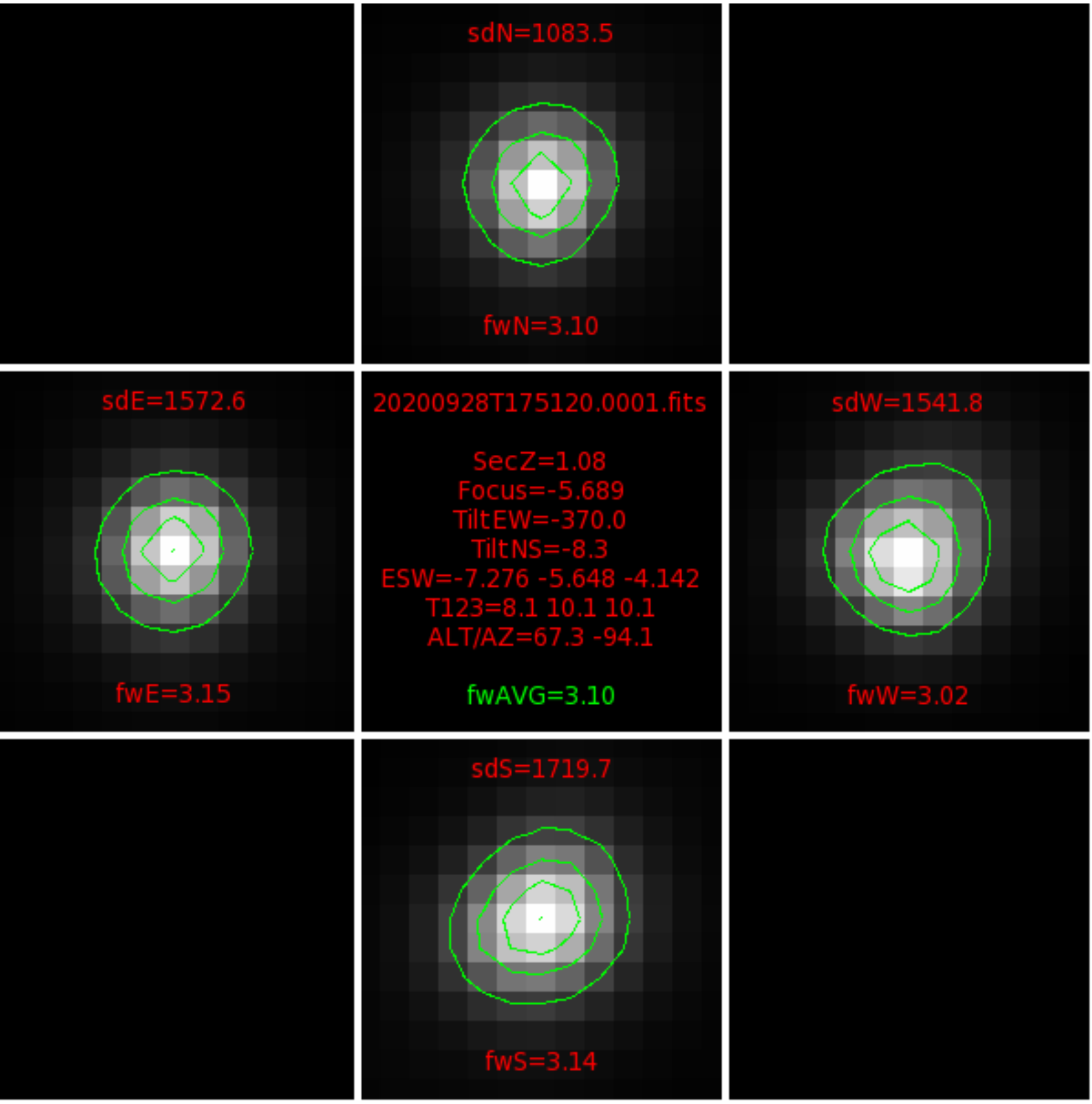
sdN=1083.5
fwN=3.10
sdE=1572.6
fwE=3.15
20200928T175120.0001.fits
SecZ=1.08
Focus=-5.689
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.276 -5.648 -4.142
T123=8.1 10.1 10.1
ALT/AZ=67.3 -94.1
fwAVG=3.10
sdW=1541.8
fwW=3.02
sdS=1719.7
fwS=3.14
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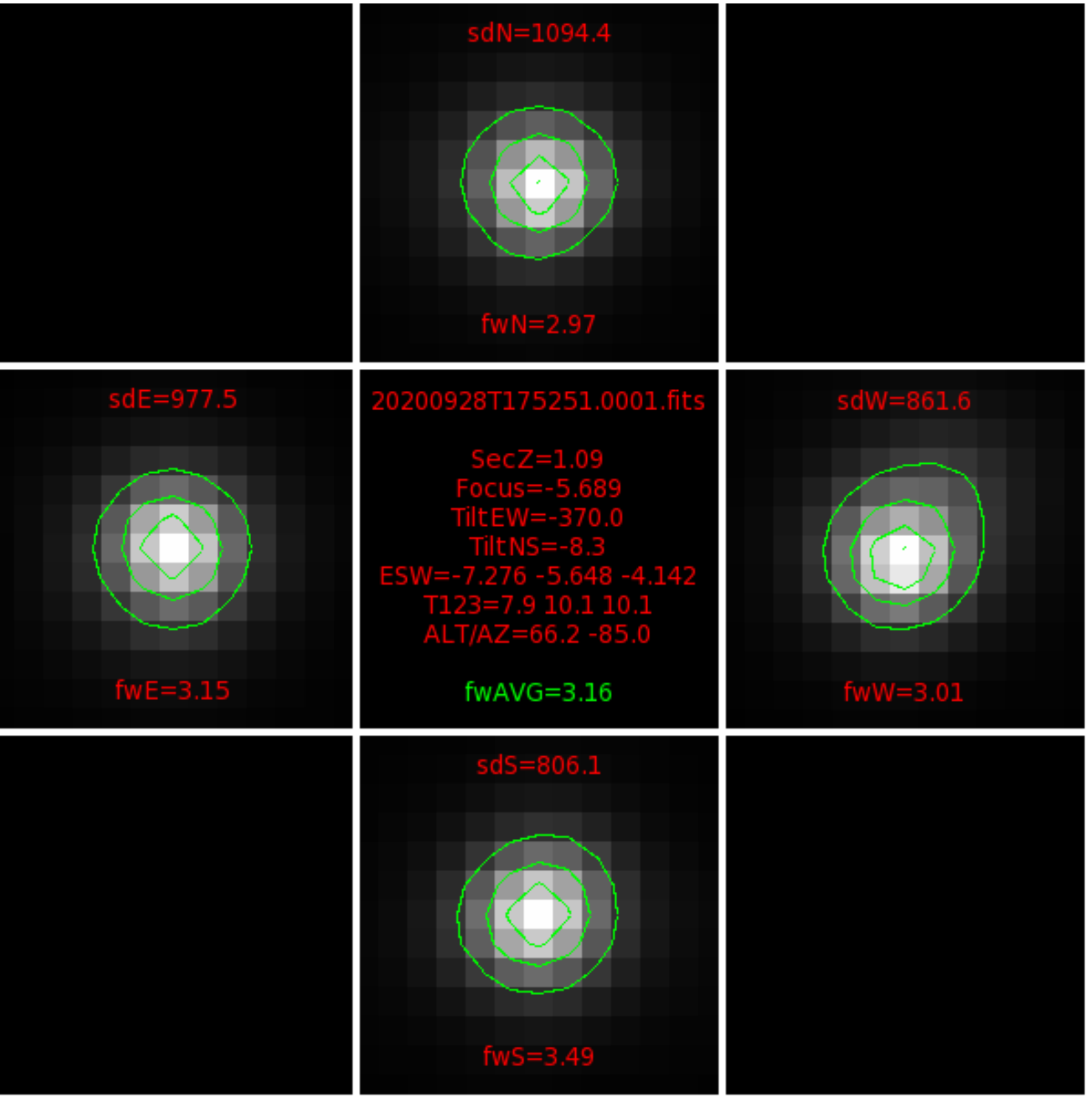
sdN=1094.4
fwN=2.97
sdE=977.5
fwE=3.15
20200928T175251.0001.fits
SecZ=1.09
Focus=-5.689
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.276 -5.648 -4.142
T123=7.9 10.1 10.1
ALT/AZ=66.2 -85.0
fwAVG=3.16
sdW=861.6
fwW=3.01
sdS=806.1
fwS=3.49
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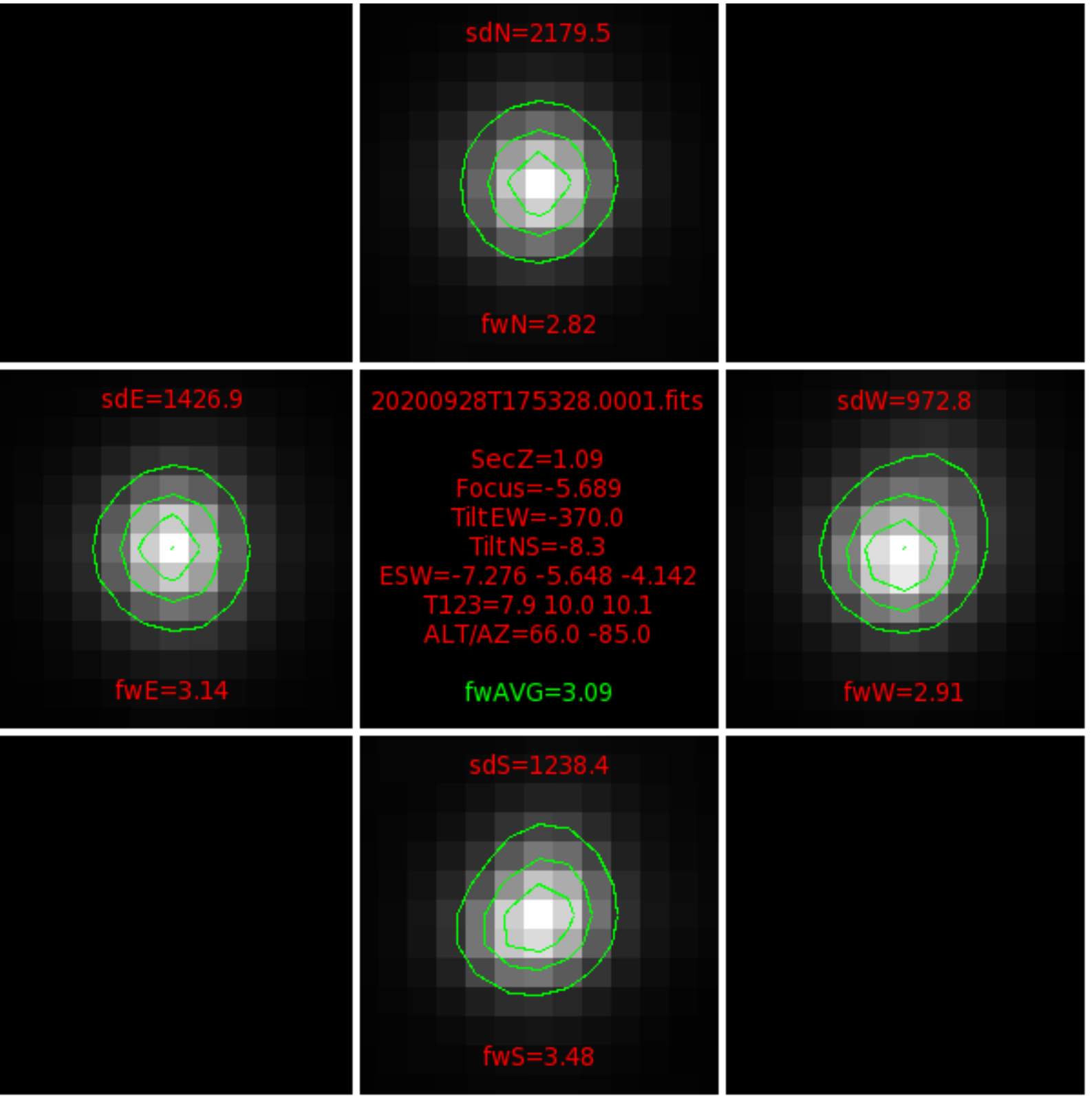
sdN=2179.5
fwN=2.82
sdE=1426.9
fwE=3.14
20200928T175328.0001.fits
SecZ=1.09
Focus=-5.689
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.276 -5.648 -4.142
T123=7.9 10.0 10.1
ALT/AZ=66.0 -85.0
fwAVG=3.09
sdW=972.8
fwW=2.91
sdS=1238.4
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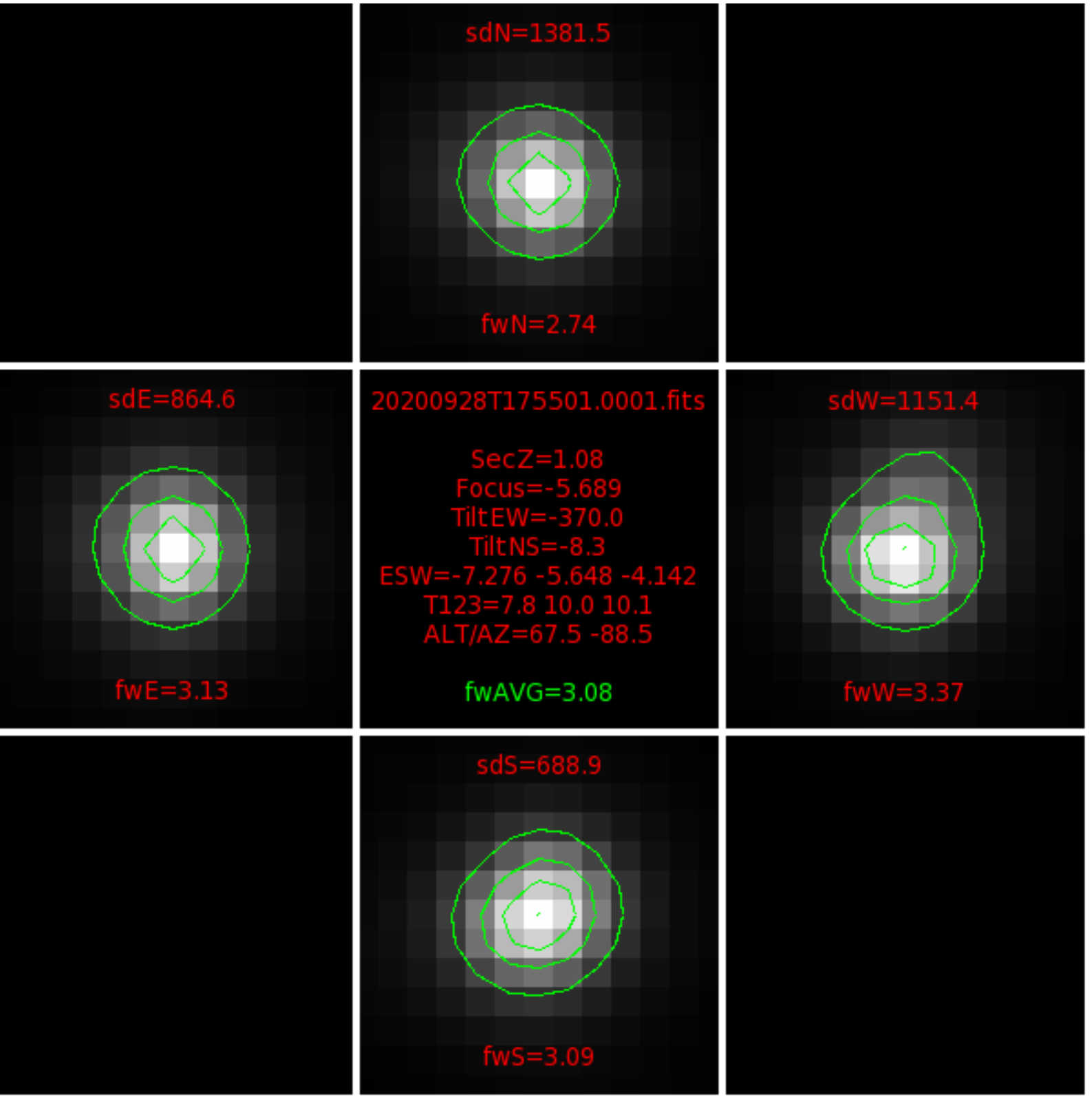
sdN=1381.5
fwN=2.74
sdE=864.6
fwE=3.13
20200928T175501.0001.fits
SecZ=1.08
Focus=-5.689
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.276 -5.648 -4.142
T123=7.8 10.0 10.1
ALT/AZ=67.5 -88.5
fwAVG=3.08
sdW=1151.4
fwW=3.37
sdS=688.9
fwS=3.09
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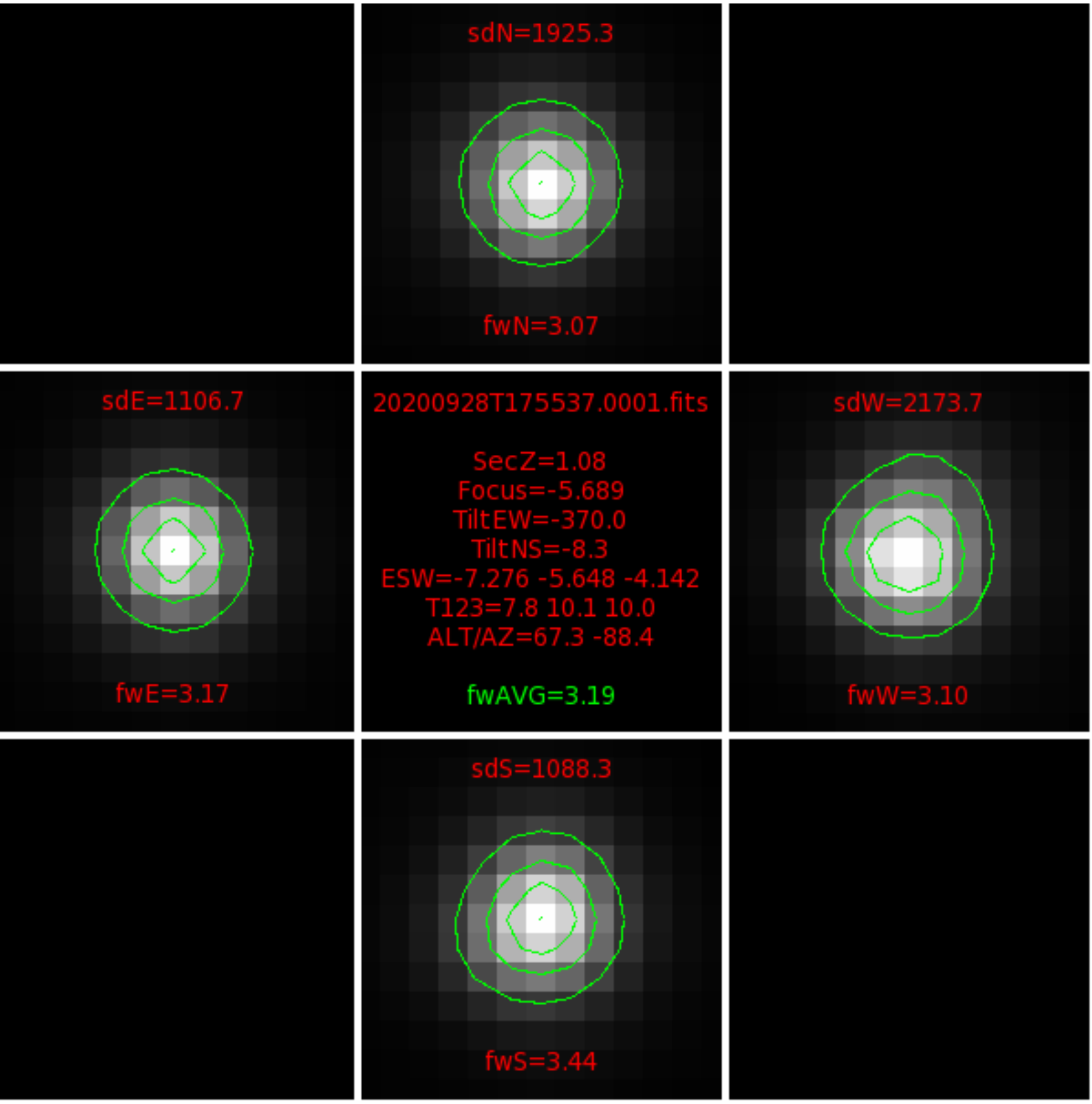
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fwN=3.07
sdE=1106.7
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20200928T175537.0001.fits
SecZ=1.08
Focus=-5.689
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.276 -5.648 -4.142
T123=7.8 10.1 10.0
ALT/AZ=67.3 -88.4
fwAVG=3.19
sdW=2173.7
fwW=3.10
sdS=1088.3
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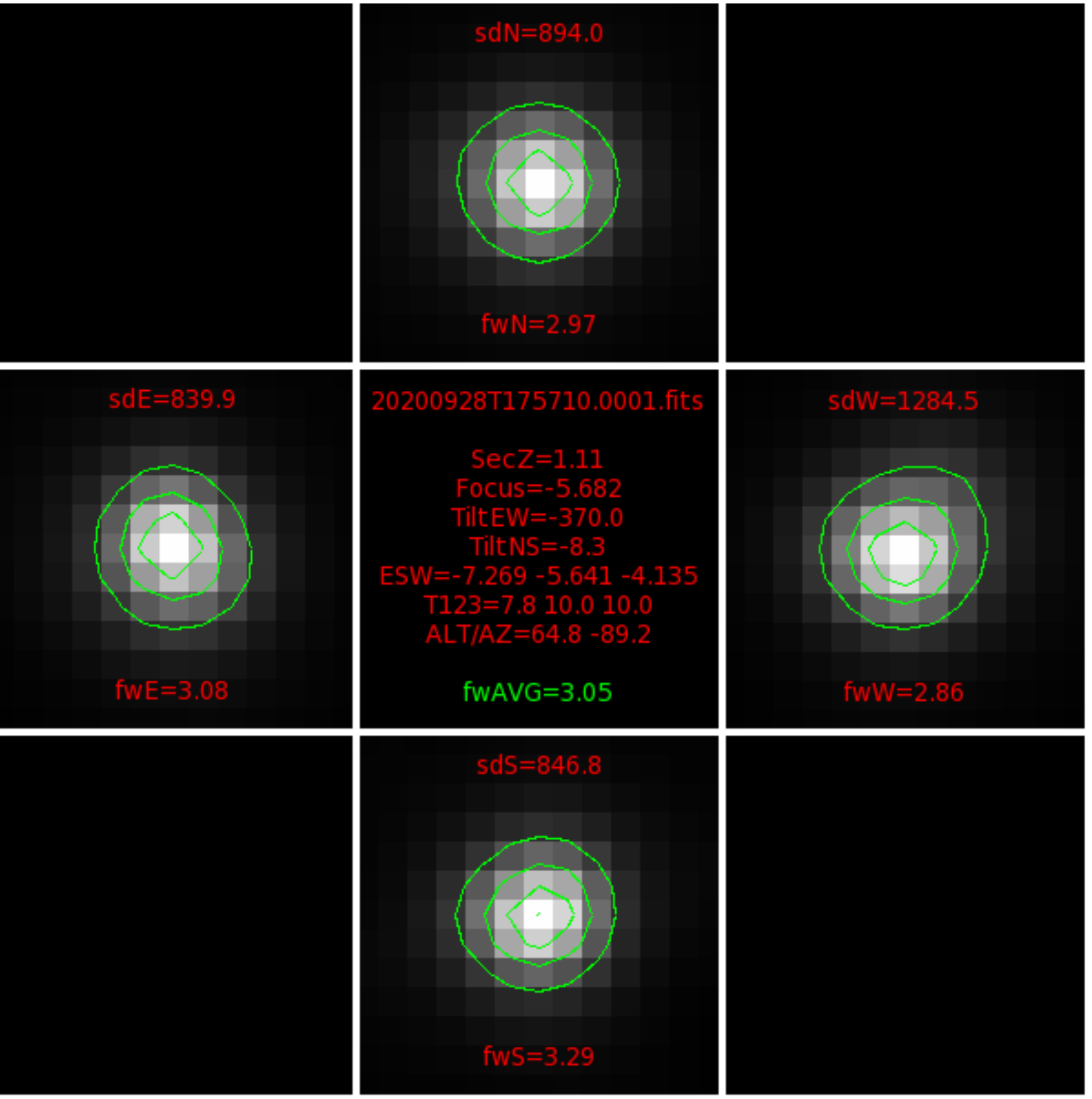
sdN=894.0
fwN=2.97
sdE=839.9
fwE=3.08
20200928T175710.0001.fits
SecZ=1.11
Focus=-5.682
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.269 -5.641 -4.135
T123=7.8 10.0 10.0
ALT/AZ=64.8 -89.2
fwAVG=3.05
sdW=1284.5
fwW=2.86
sdS=846.8
fwS=3.29
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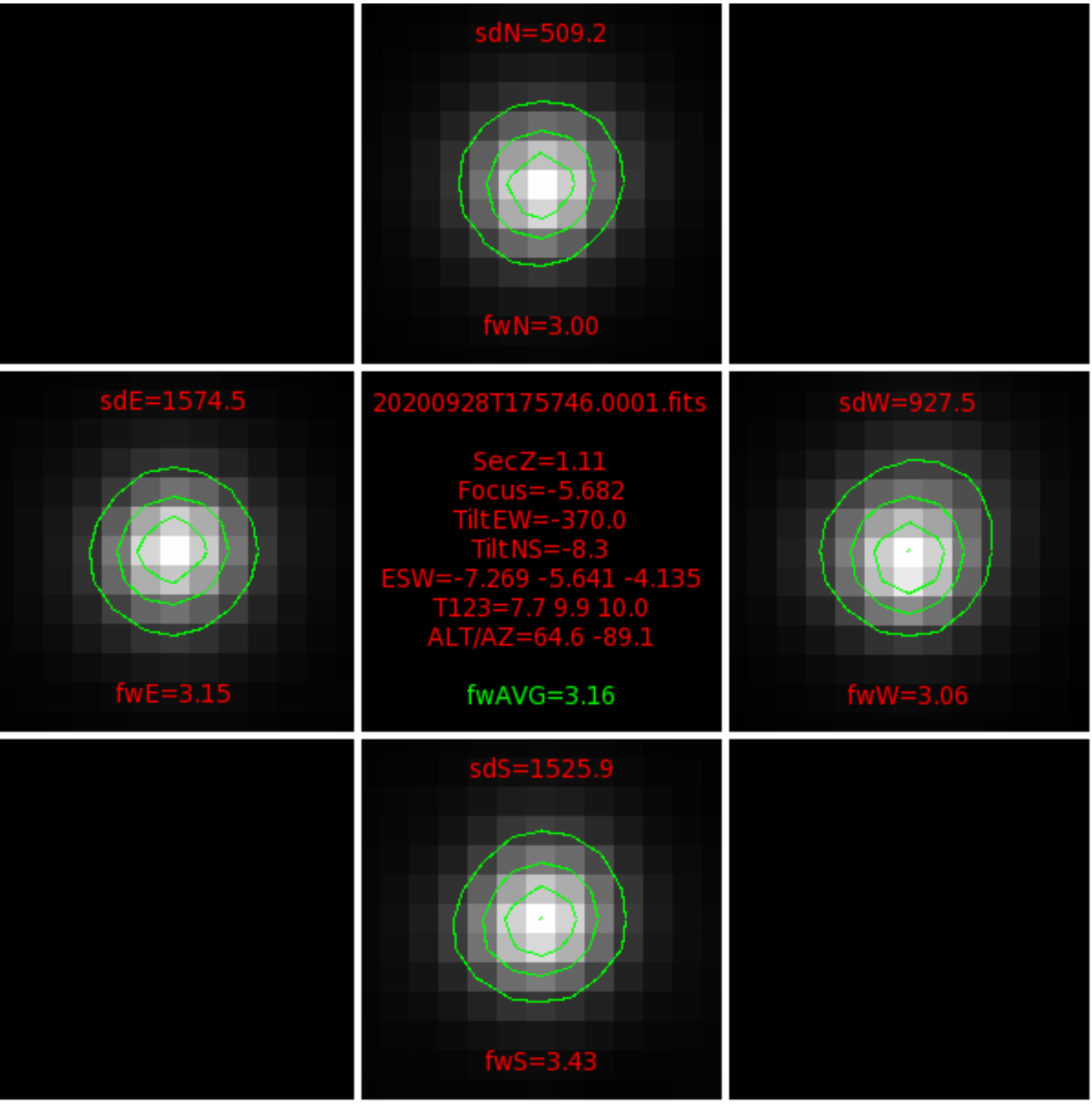
sdN=509.2
fwN=3.00
sdE=1574.5
fwE=3.15
20200928T175746.0001.fits
SecZ=1.11
Focus=-5.682
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.269 -5.641 -4.135
T123=7.7 9.9 10.0
ALT/AZ=64.6 -89.1
fwAVG=3.16
sdW=927.5
fwW=3.06
sdS=1525.9
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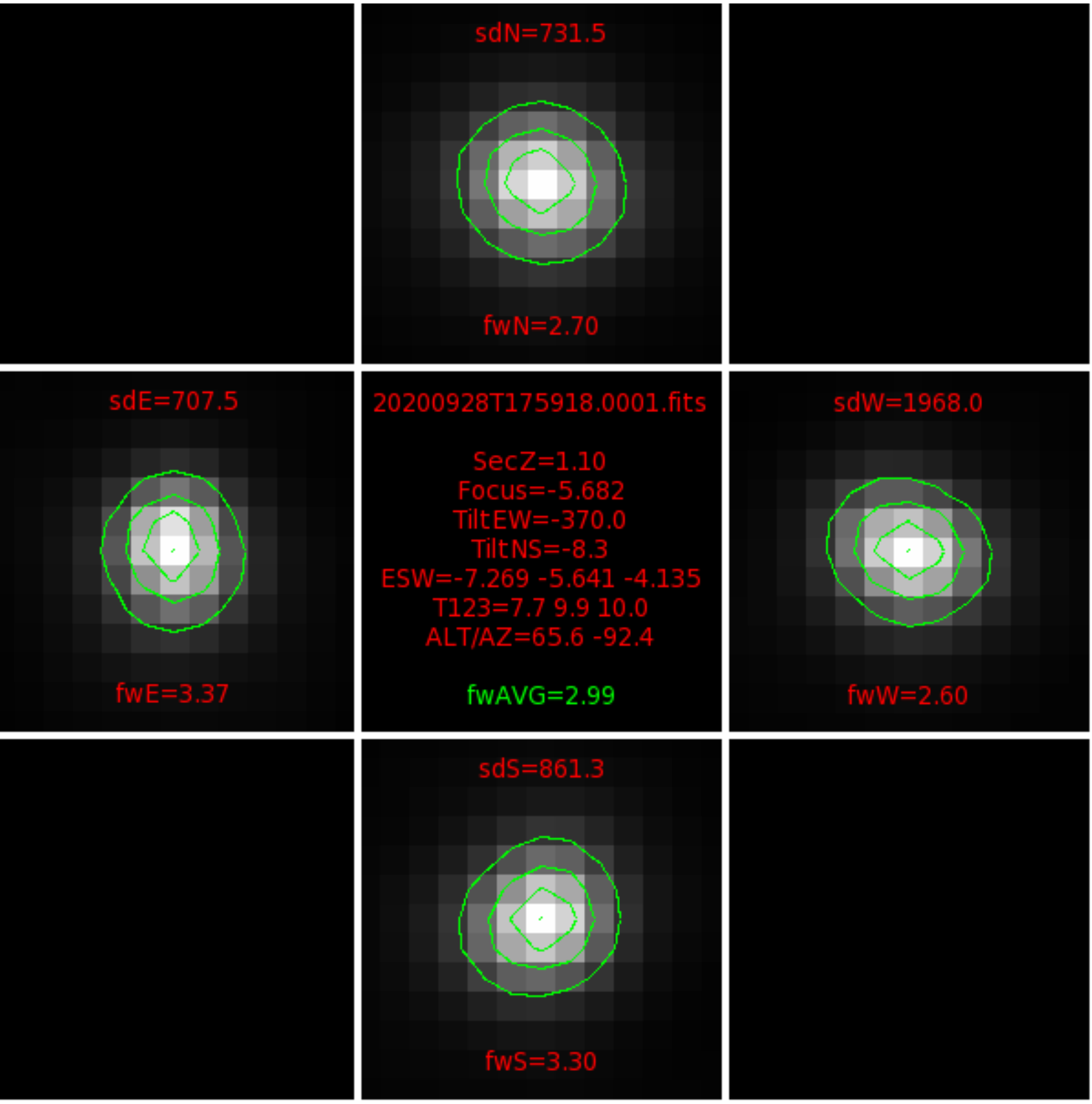
sdN=731.5
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sdE=707.5
fwE=3.37
20200928T175918.0001.fits
SecZ=1.10
Focus=-5.682
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.269 -5.641 -4.135
T123=7.7 9.9 10.0
ALT/AZ=65.6 -92.4
fwAVG=2.99
sdW=1968.0
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sdS=861.3
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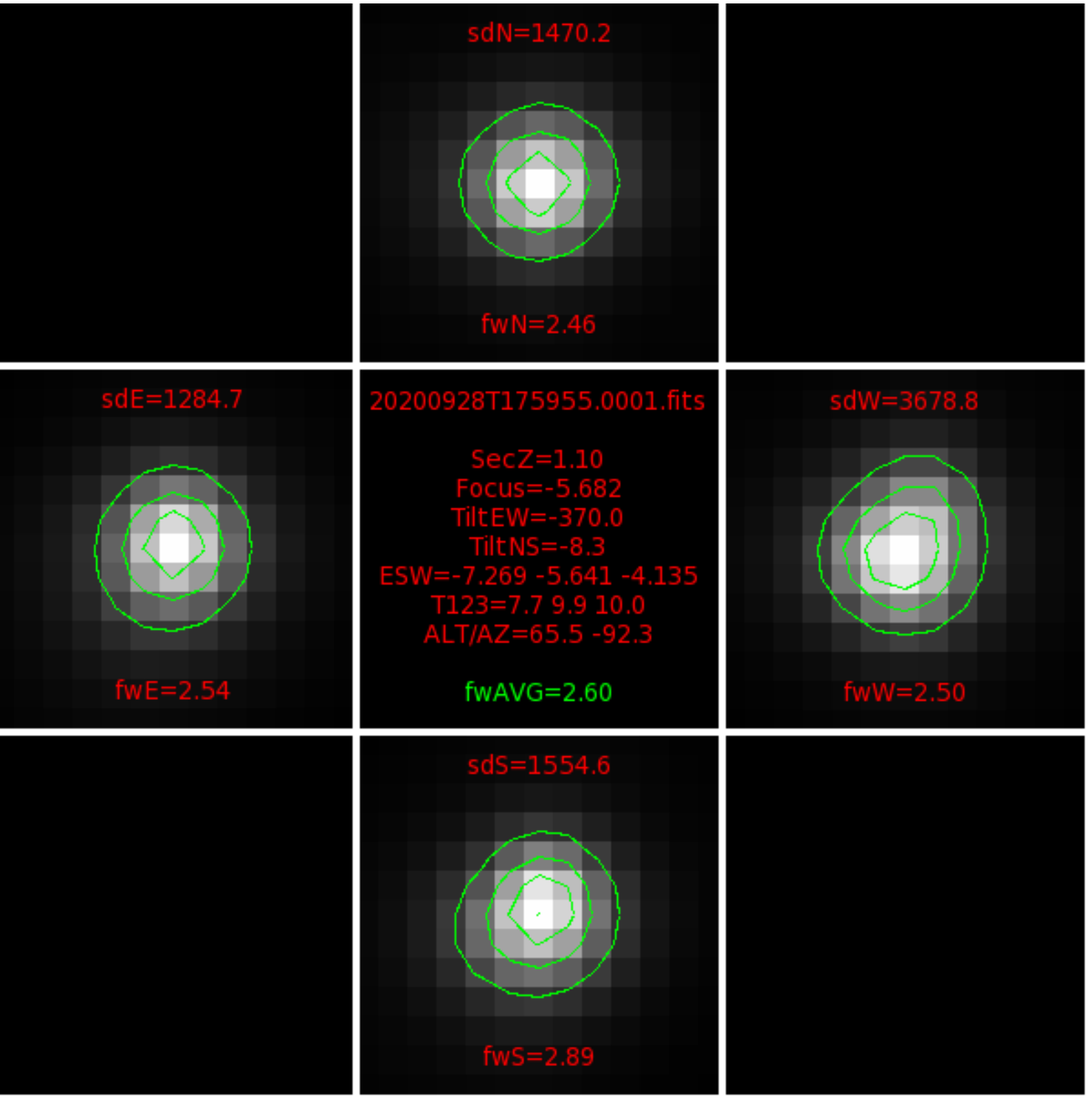
sdN=1470.2
fwN=2.46
sdE=1284.7
fwE=2.54
20200928T175955.0001.fits
SecZ=1.10
Focus=-5.682
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.269 -5.641 -4.135
T123=7.7 9.9 10.0
ALT/AZ=65.5 -92.3
fwAVG=2.60
sdW=3678.8
fwW=2.50
sdS=1554.6
fwS=2.89
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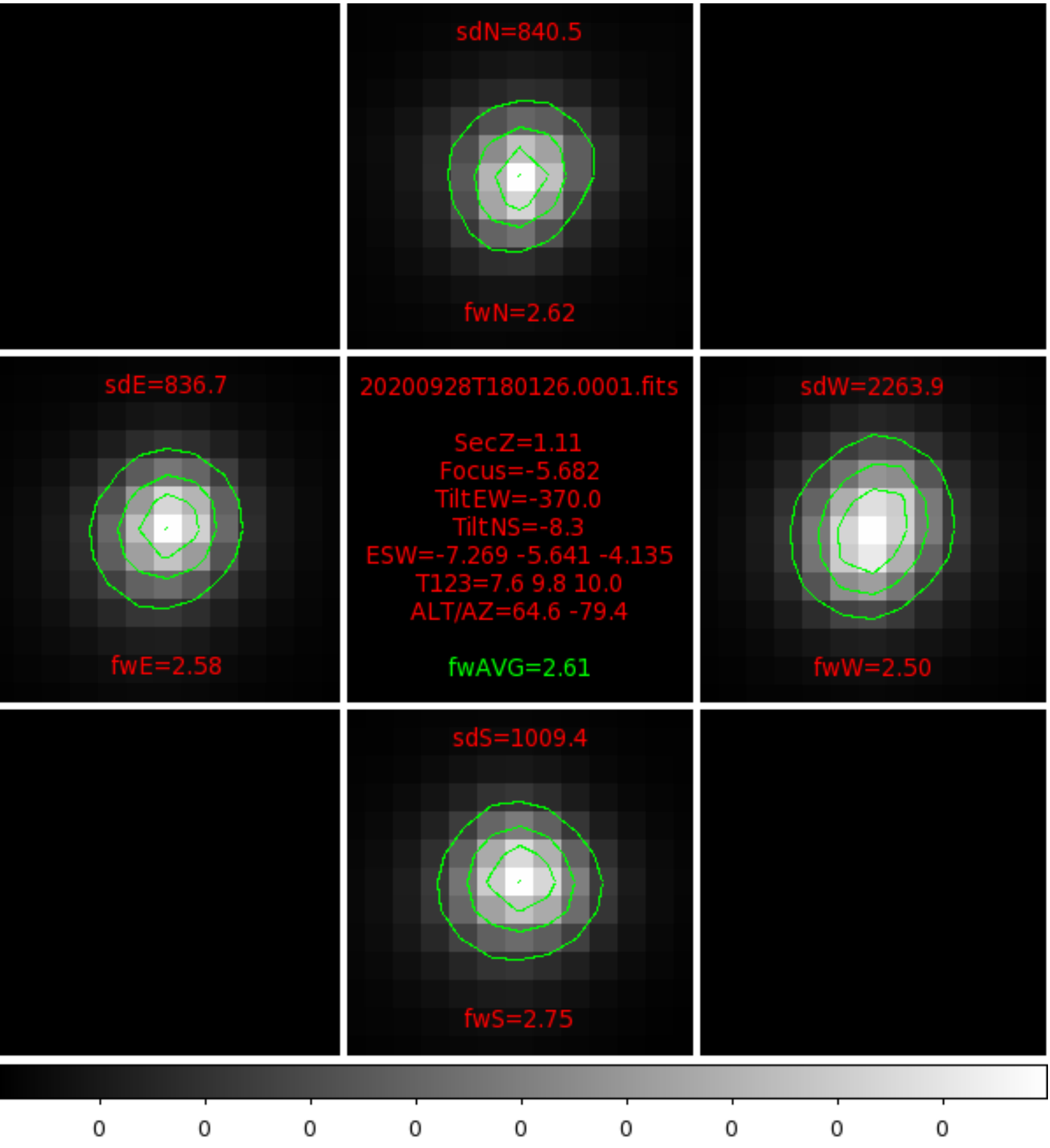
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sdE=836.7
fwE=2.58
20200928T180126.0001.fits
SecZ=1.11
Focus=-5.682
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.269 -5.641 -4.135
T123=7.6 9.8 10.0
ALT/AZ=64.6 -79.4
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sdW=2263.9
fwW=2.50
sdS=1009.4
fwS=2.75
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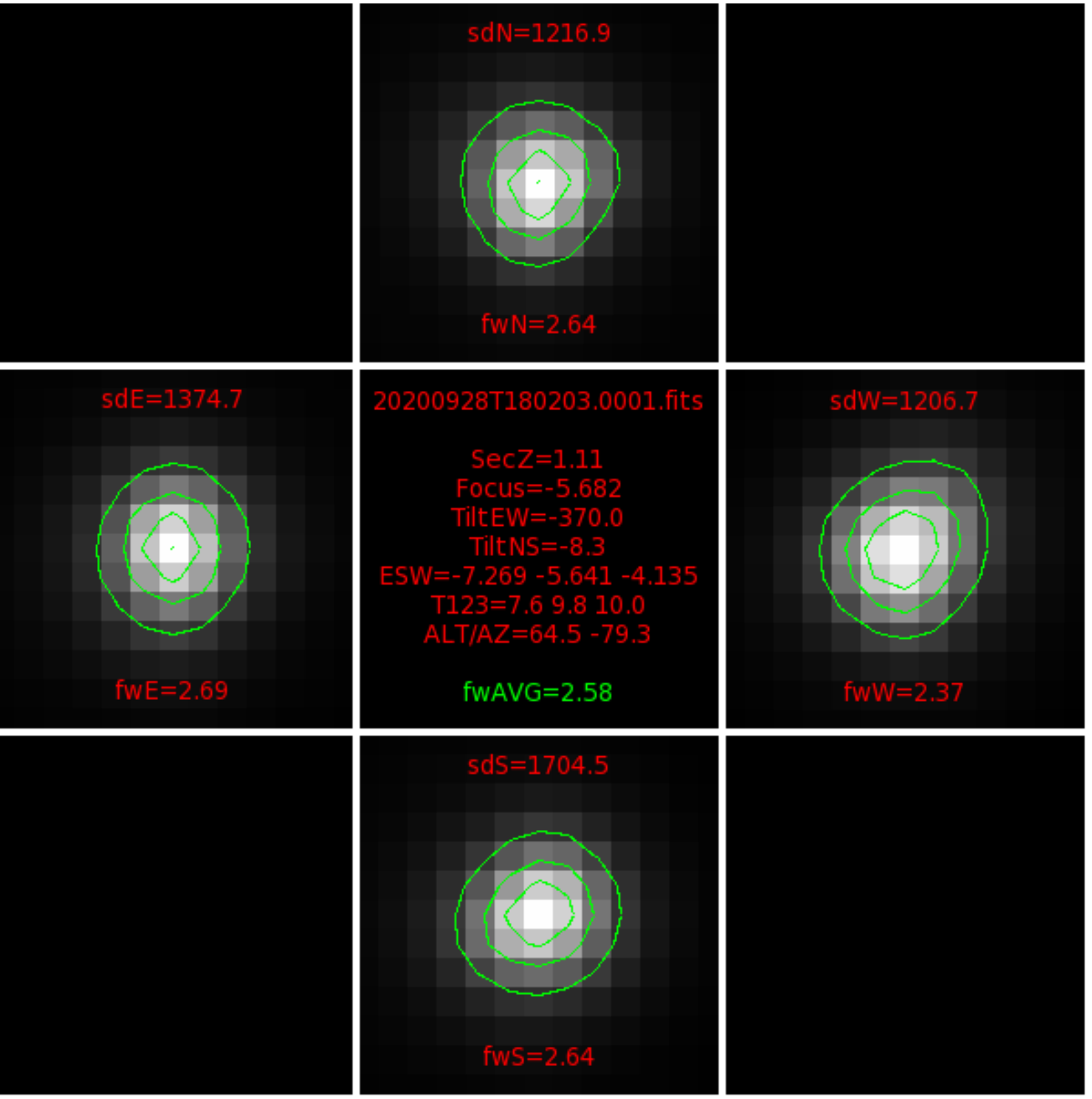
sdN=1216.9
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sdE=1374.7
fwE=2.69
20200928T180203.0001.fits
SecZ=1.11
Focus=-5.682
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.269 -5.641 -4.135
T123=7.6 9.8 10.0
ALT/AZ=64.5 -79.3
fwAVG=2.58
sdW=1206.7
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sdS=1704.5
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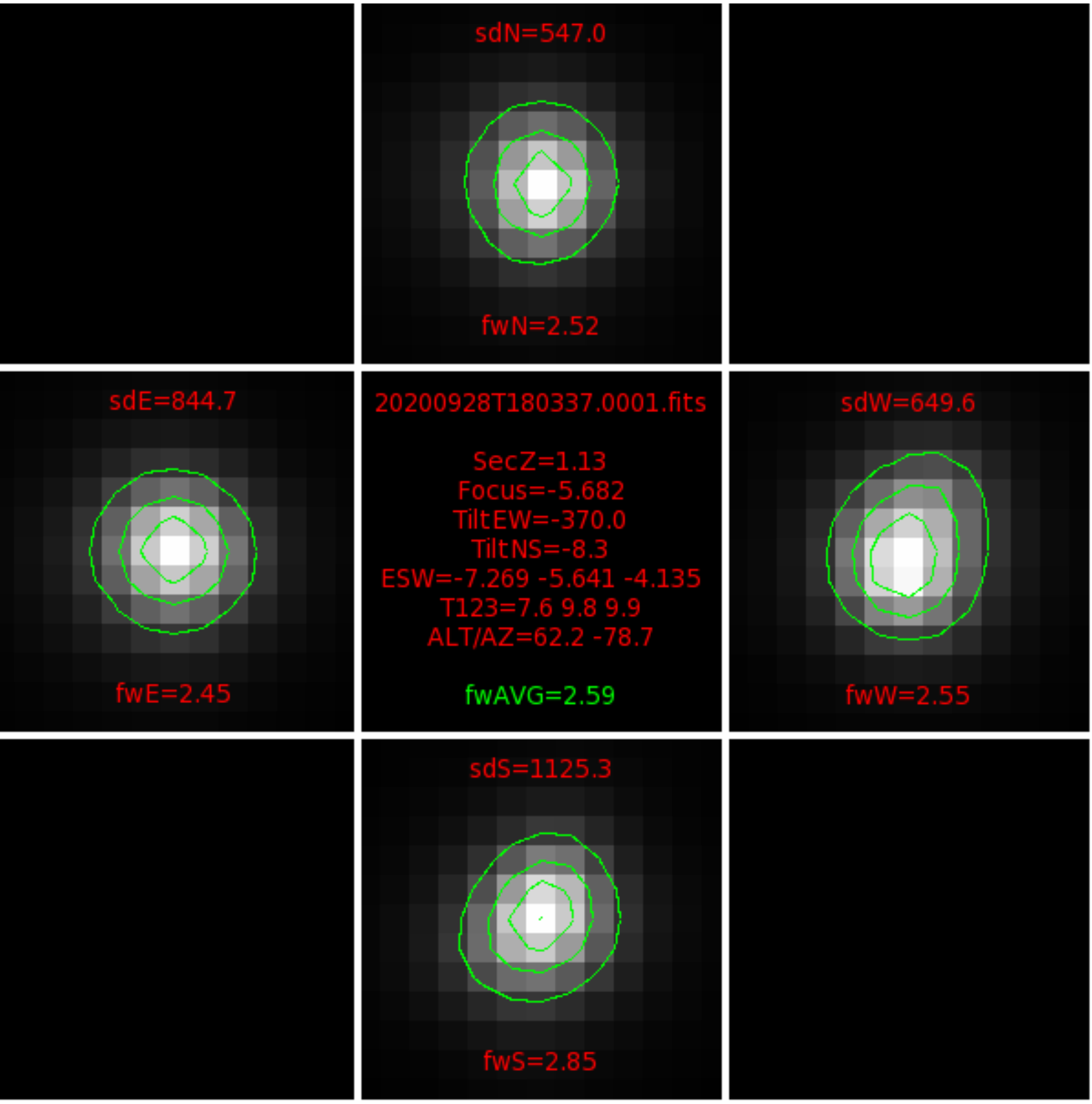
sdN=547.0
fwN=2.52
sdE=844.7
fwE=2.45
20200928T180337.0001.fits
SecZ=1.13
Focus=-5.682
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.269 -5.641 -4.135
T123=7.6 9.8 9.9
ALT/AZ=62.2 -78.7
fwAVG=2.59
sdW=649.6
fwW=2.55
sdS=1125.3
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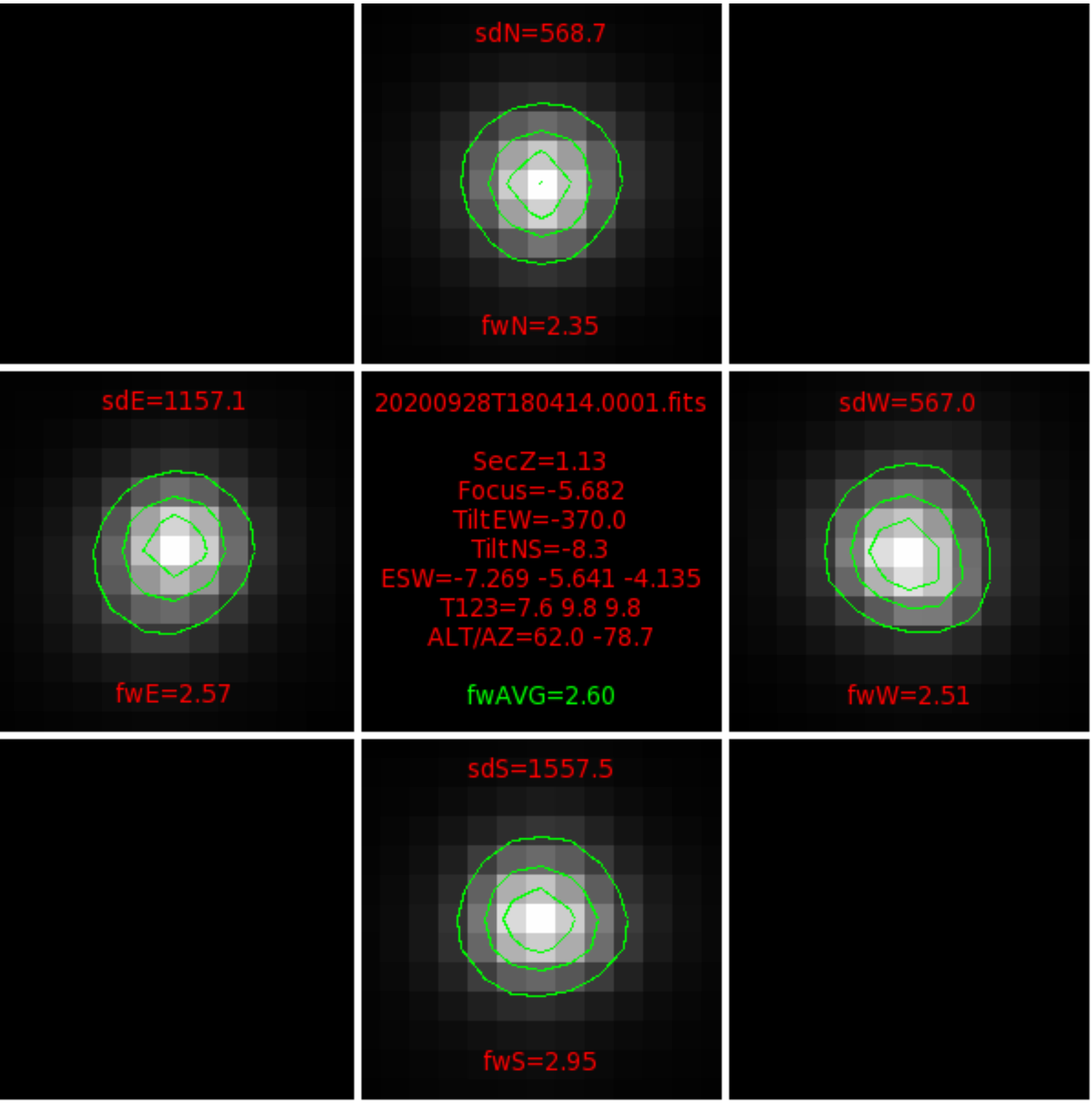
sdN=568.7
fwN=2.35
sdE=1157.1
fwE=2.57
20200928T180414.0001.fits
SecZ=1.13
Focus=-5.682
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.269 -5.641 -4.135
T123=7.6 9.8 9.8
ALT/AZ=62.0 -78.7
fwAVG=2.60
sdW=567.0
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sdS=1557.5
fwS=2.95
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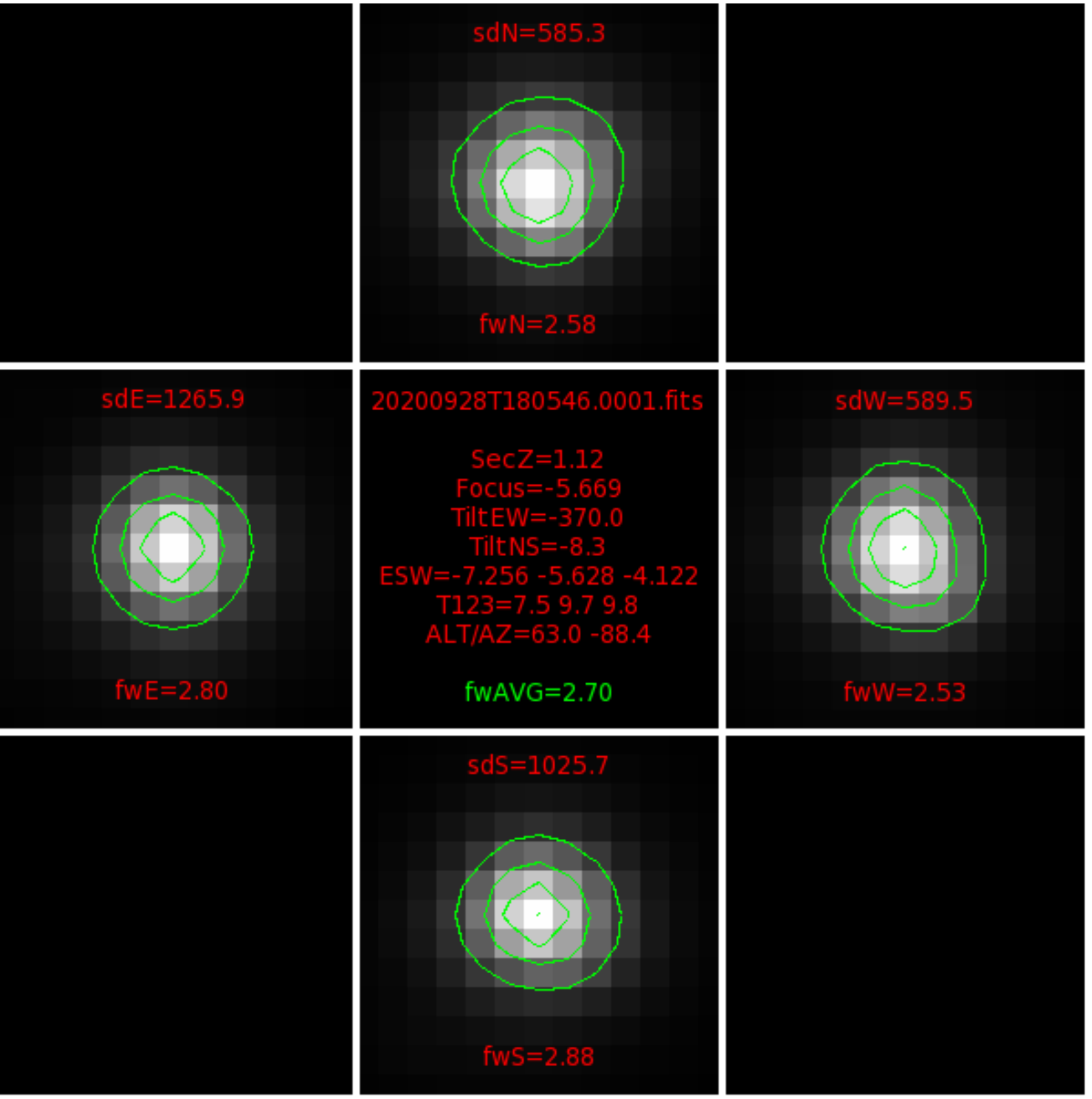
sdN=585.3
fwN=2.58
sdE=1265.9
fwE=2.80
20200928T180546.0001.fits
SecZ=1.12
Focus=-5.669
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.256 -5.628 -4.122
T123=7.5 9.7 9.8
ALT/AZ=63.0 -88.4
fwAVG=2.70
sdW=589.5
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sdS=1025.7
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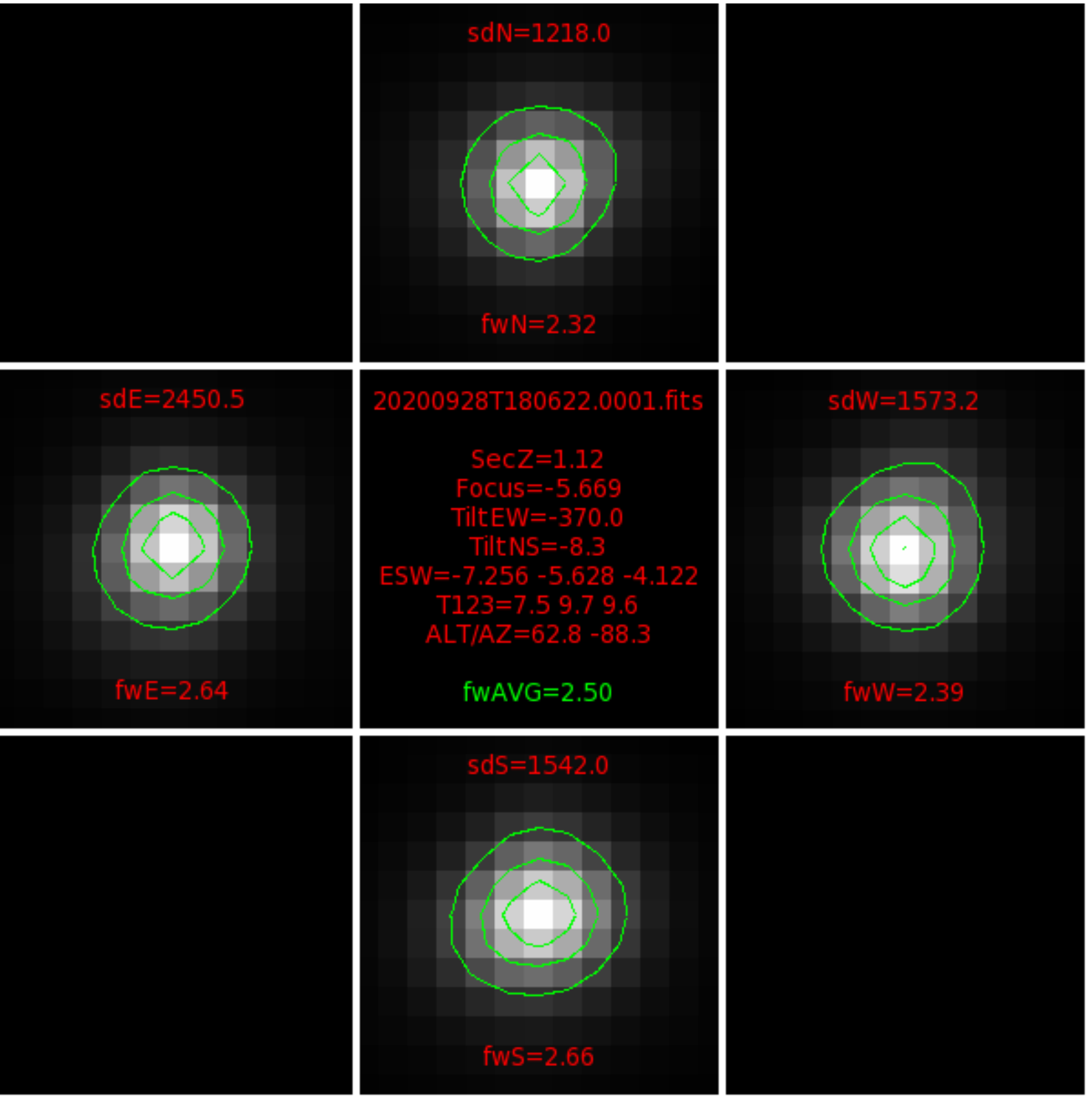
sdN=1218.0
fwN=2.32
sdE=2450.5
fwE=2.64
20200928T180622.0001.fits
SecZ=1.12
Focus=-5.669
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.256 -5.628 -4.122
T123=7.5 9.7 9.6
ALT/AZ=62.8 -88.3
fwAVG=2.50
sdW=1573.2
fwW=2.39
sdS=1542.0
fwS=2.66
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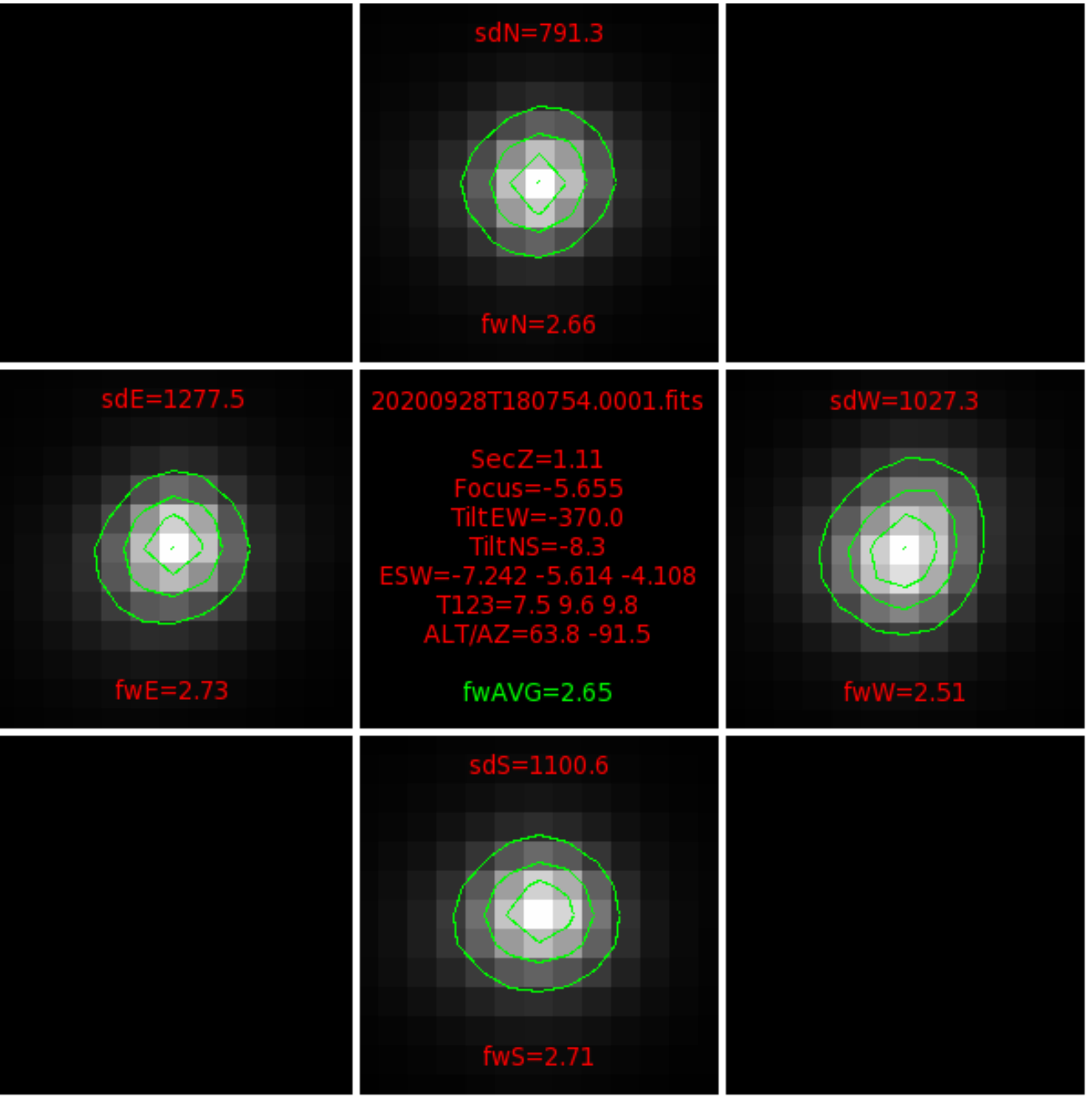
sdN=791.3
fwN=2.66
sdE=1277.5
fwE=2.73
20200928T180754.0001.fits
SecZ=1.11
Focus=-5.655
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.242 -5.614 -4.108
T123=7.5 9.6 9.8
ALT/AZ=63.8 -91.5
fwAVG=2.65
sdW=1027.3
fwW=2.51
sdS=1100.6
fwS=2.71
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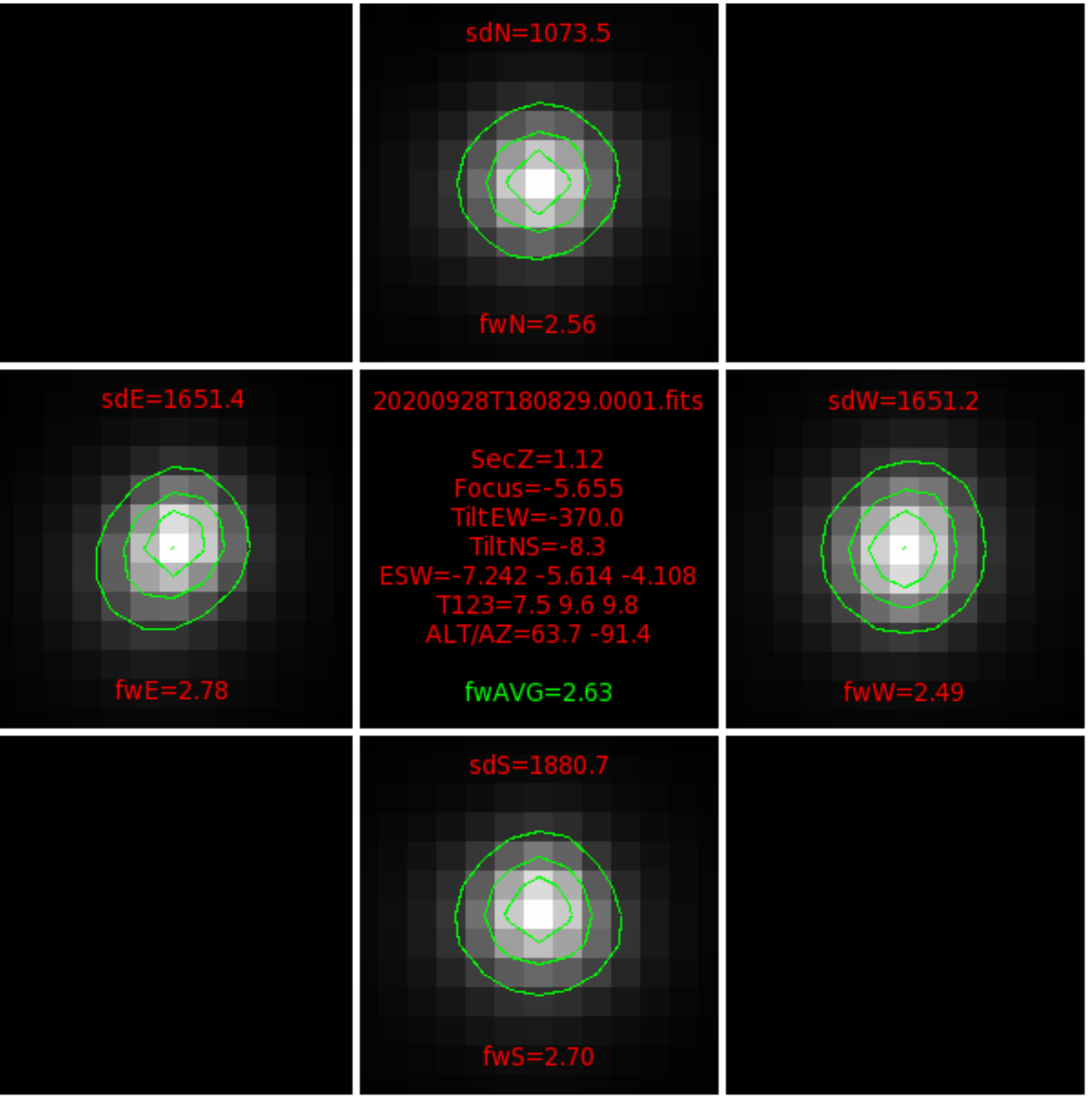
sdN=1073.5
fwN=2.56
sdE=1651.4
fwE=2.78
20200928T180829.0001.fits
SecZ=1.12
Focus=-5.655
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.242 -5.614 -4.108
T123=7.5 9.6 9.8
ALT/AZ=63.7 -91.4
fwAVG=2.63
sdW=1651.2
fwW=2.49
sdS=1880.7
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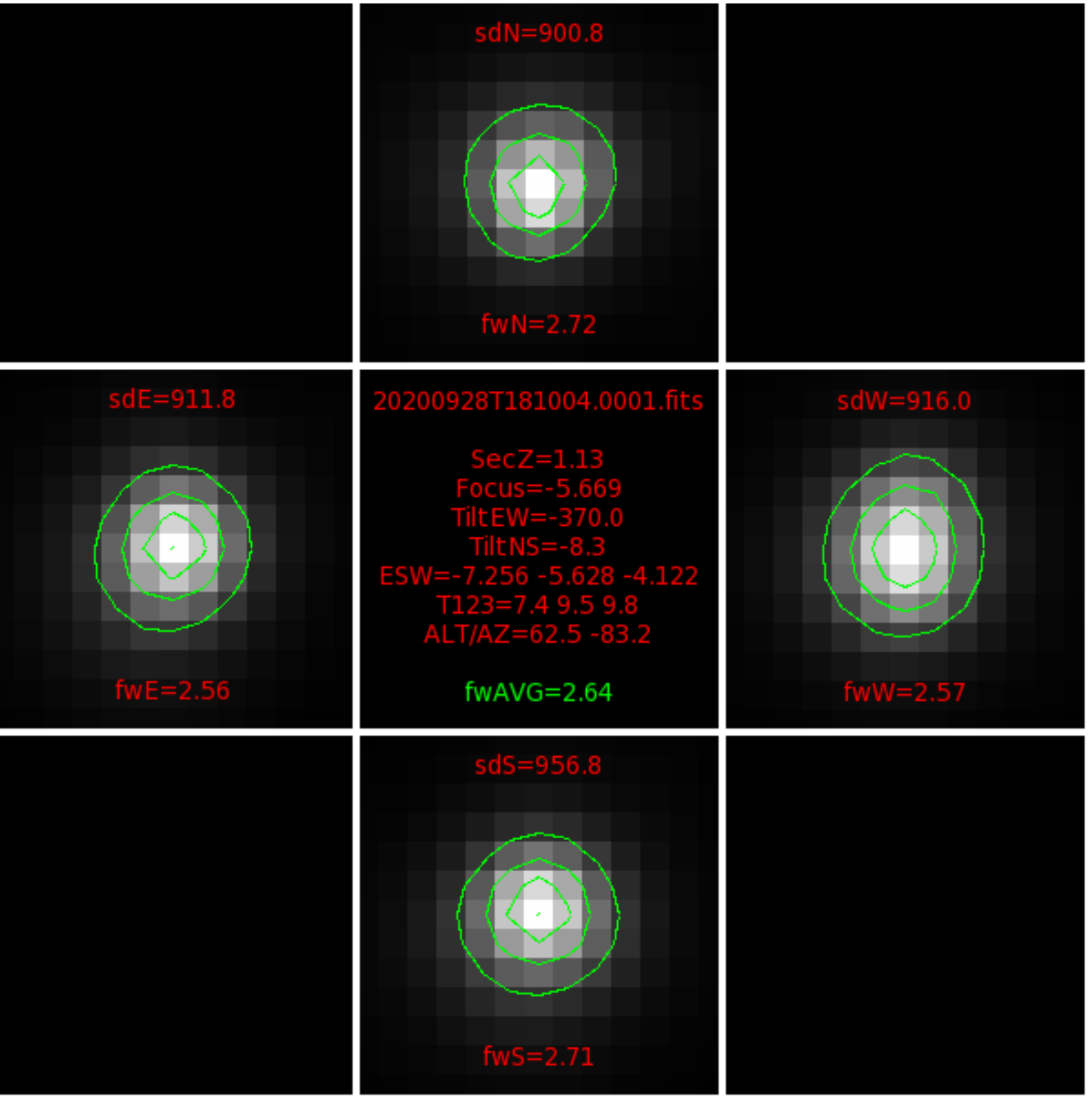
sdN=900.8
fwN=2.72
sdE=911.8
fwE=2.56
20200928T181004.0001.fits
SecZ=1.13
Focus=-5.669
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.256 -5.628 -4.122
T123=7.4 9.5 9.8
ALT/AZ=62.5 -83.2
fwAVG=2.64
sdW=916.0
fwW=2.57
sdS=956.8
fwS=2.71
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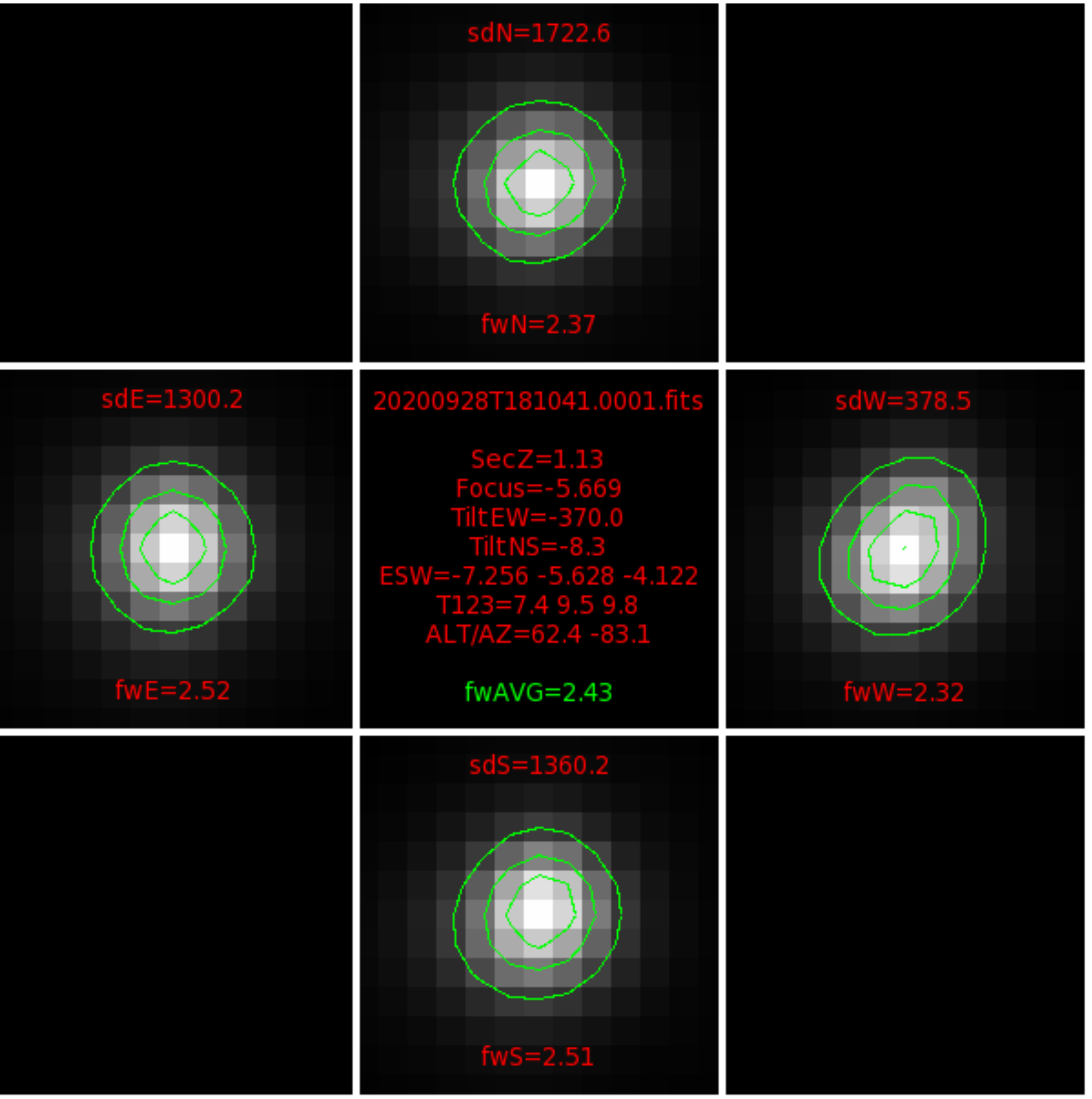
sdN=1722.6
fwN=2.37
sdE=1300.2
fwE=2.52
20200928T181041.0001.fits
SecZ=1.13
Focus=-5.669
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.256 -5.628 -4.122
T123=7.4 9.5 9.8
ALT/AZ=62.4 -83.1
fwAVG=2.43
sdW=378.5
fwW=2.32
sdS=1360.2
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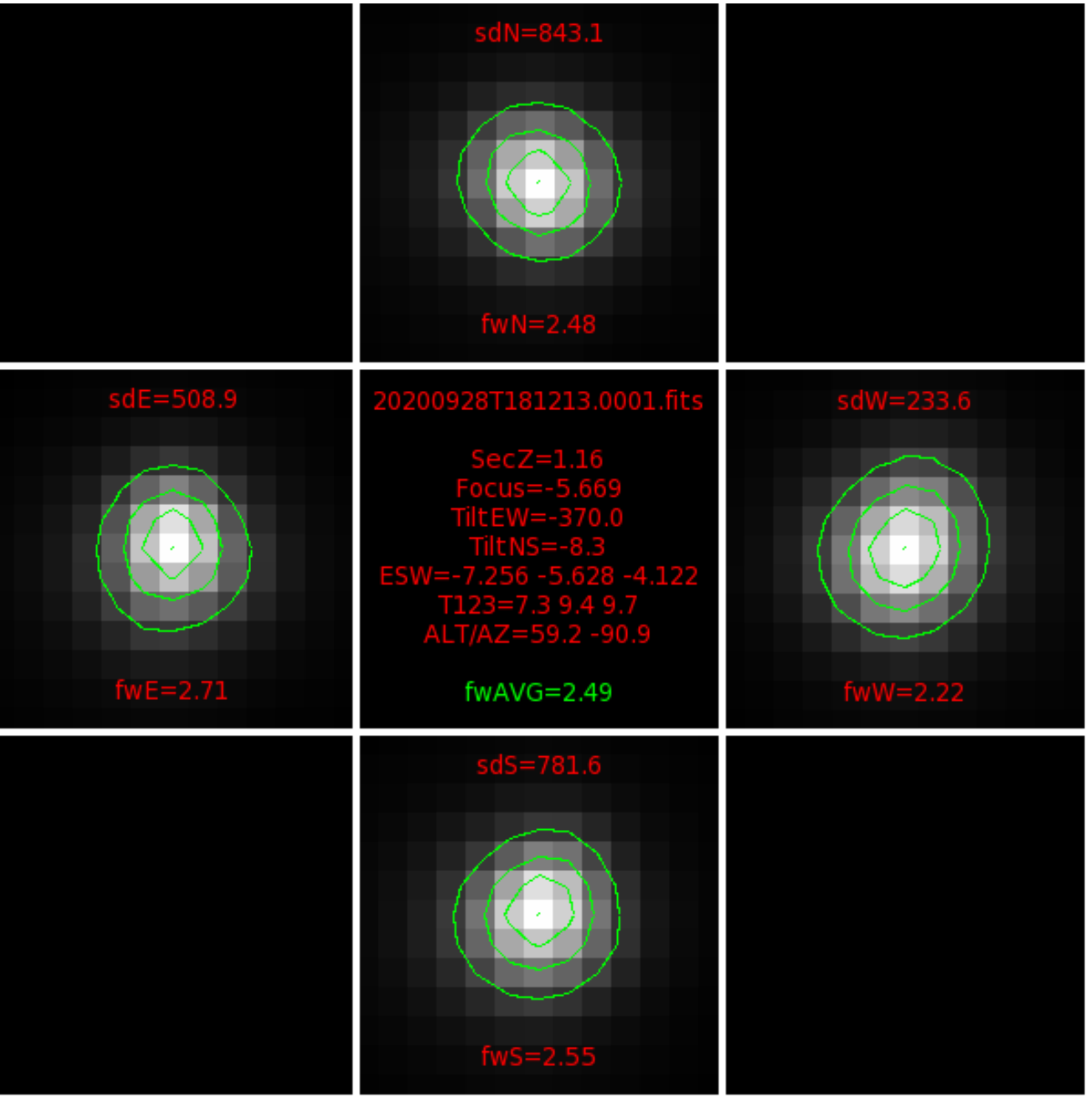
sdN=843.1
fwN=2.48
sdE=508.9
fwE=2.71
20200928T181213.0001.fits
SecZ=1.16
Focus=-5.669
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.256 -5.628 -4.122
T123=7.3 9.4 9.7
ALT/AZ=59.2 -90.9
fwAVG=2.49
sdW=233.6
fwW=2.22
sdS=781.6
fwS=2.55
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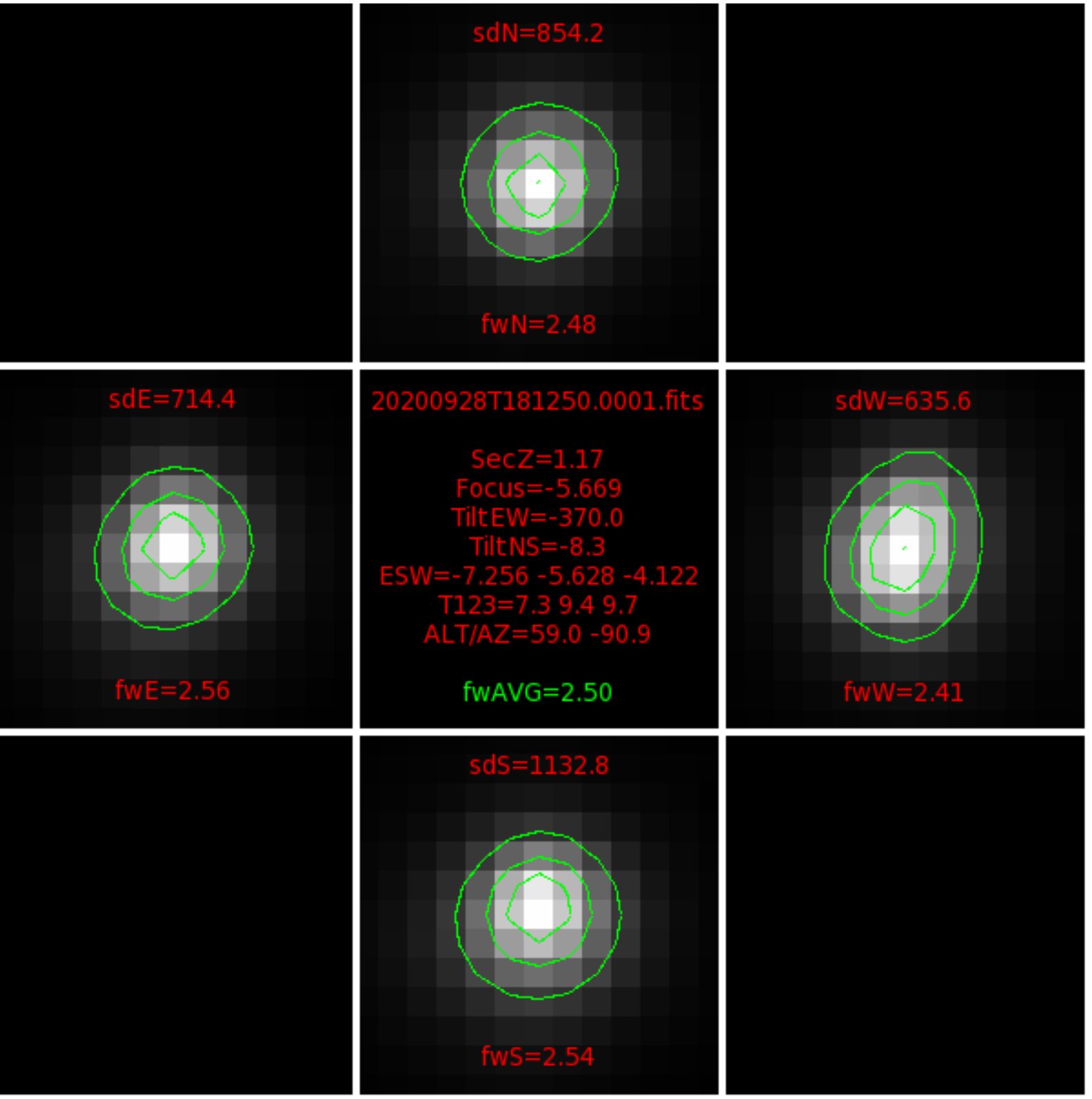
sdN=854.2
fwN=2.48
sdE=714.4
fwE=2.56
20200928T181250.0001.fits
SecZ=1.17
Focus=-5.669
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.256 -5.628 -4.122
T123=7.3 9.4 9.7
ALT/AZ=59.0 -90.9
fwAVG=2.50
sdW=635.6
fwW=2.41
sdS=1132.8
fwS=2.54
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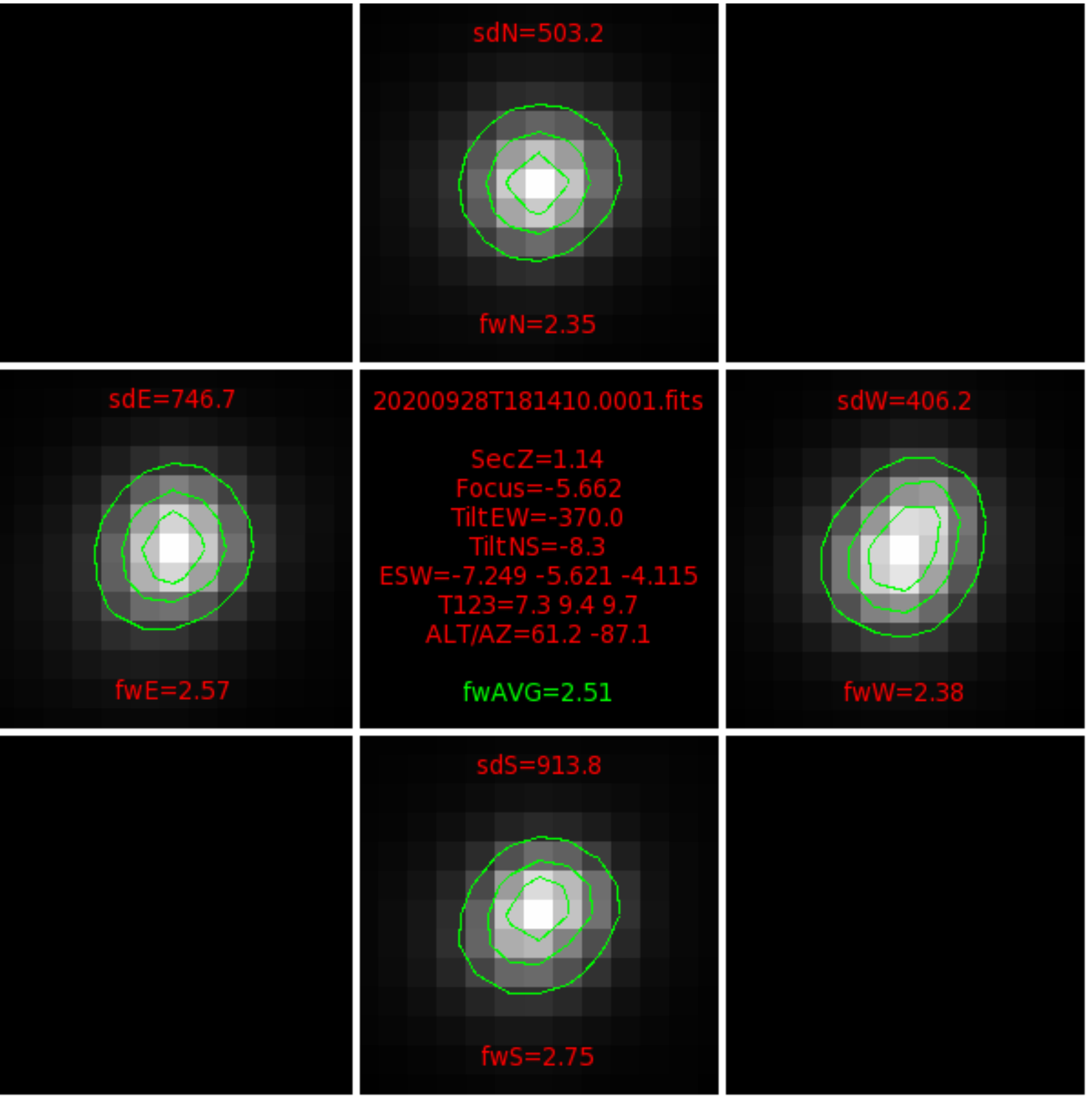
sdN=503.2
fwN=2.35
sdE=746.7
fwE=2.57
20200928T181410.0001.fits
SecZ=1.14
Focus=-5.662
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.249 -5.621 -4.115
T123=7.3 9.4 9.7
ALT/AZ=61.2 -87.1
fwAVG=2.51
sdW=406.2
fwW=2.38
sdS=913.8
fwS=2.75
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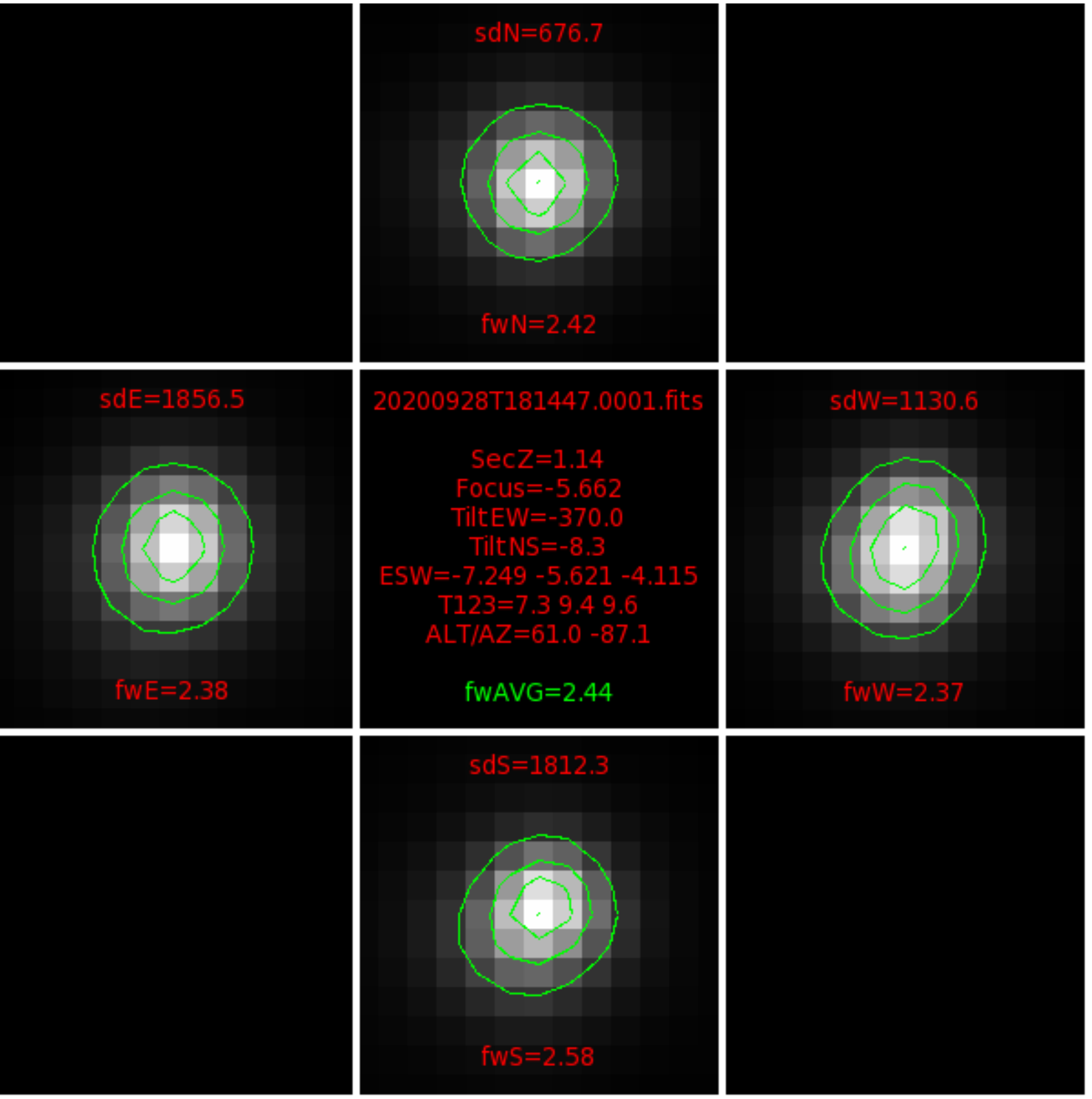
sdN=676.7
fwN=2.42
sdE=1856.5
fwE=2.38
20200928T181447.0001.fits
SecZ=1.14
Focus=-5.662
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.249 -5.621 -4.115
T123=7.3 9.4 9.6
ALT/AZ=61.0 -87.1
fwAVG=2.44
sdW=1130.6
fwW=2.37
sdS=1812.3
fwS=2.58
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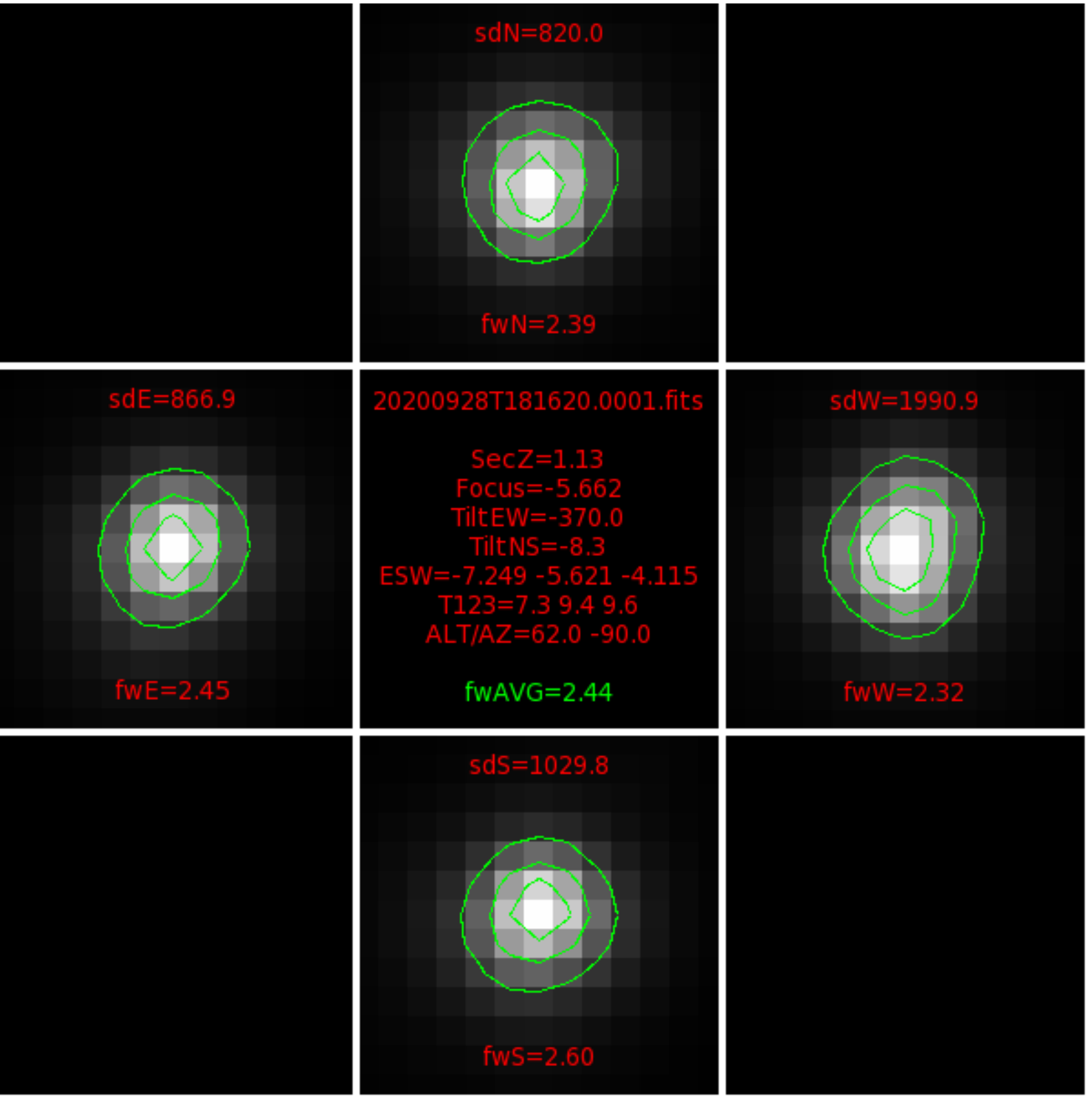
sdN=820.0
fwN=2.39
sdE=866.9
fwE=2.45
20200928T181620.0001.fits
SecZ=1.13
Focus=-5.662
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.249 -5.621 -4.115
T123=7.3 9.4 9.6
ALT/AZ=62.0 -90.0
fwAVG=2.44
sdW=1990.9
fwW=2.32
sdS=1029.8
fwS=2.60
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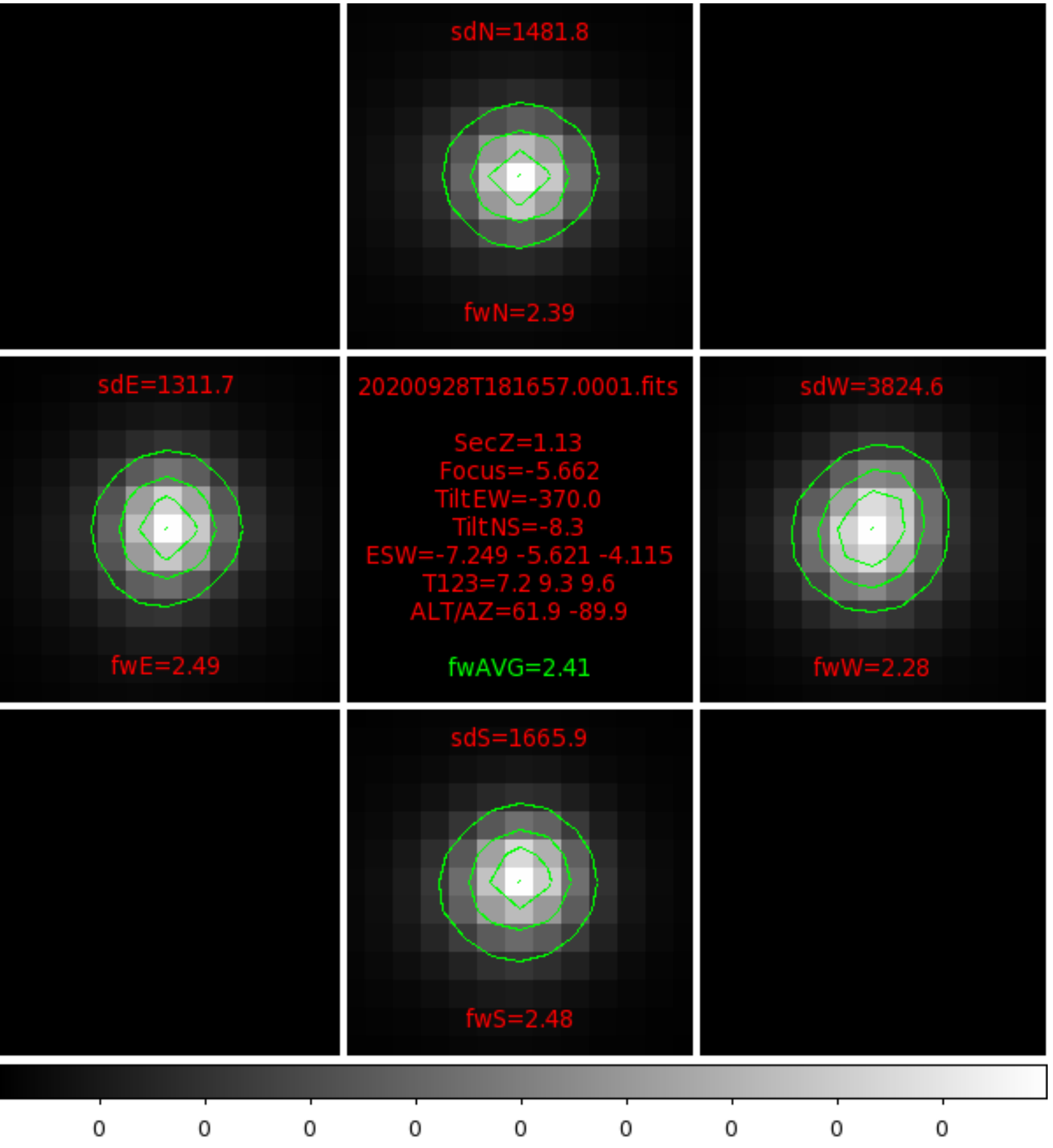
sdN=1481.8
fwN=2.39
sdE=1311.7
fwE=2.49
20200928T181657.0001.fits
SecZ=1.13
Focus=-5.662
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.249 -5.621 -4.115
T123=7.2 9.3 9.6
ALT/AZ=61.9 -89.9
fwAVG=2.41
sdW=3824.6
fwW=2.28
sdS=1665.9
fwS=2.48
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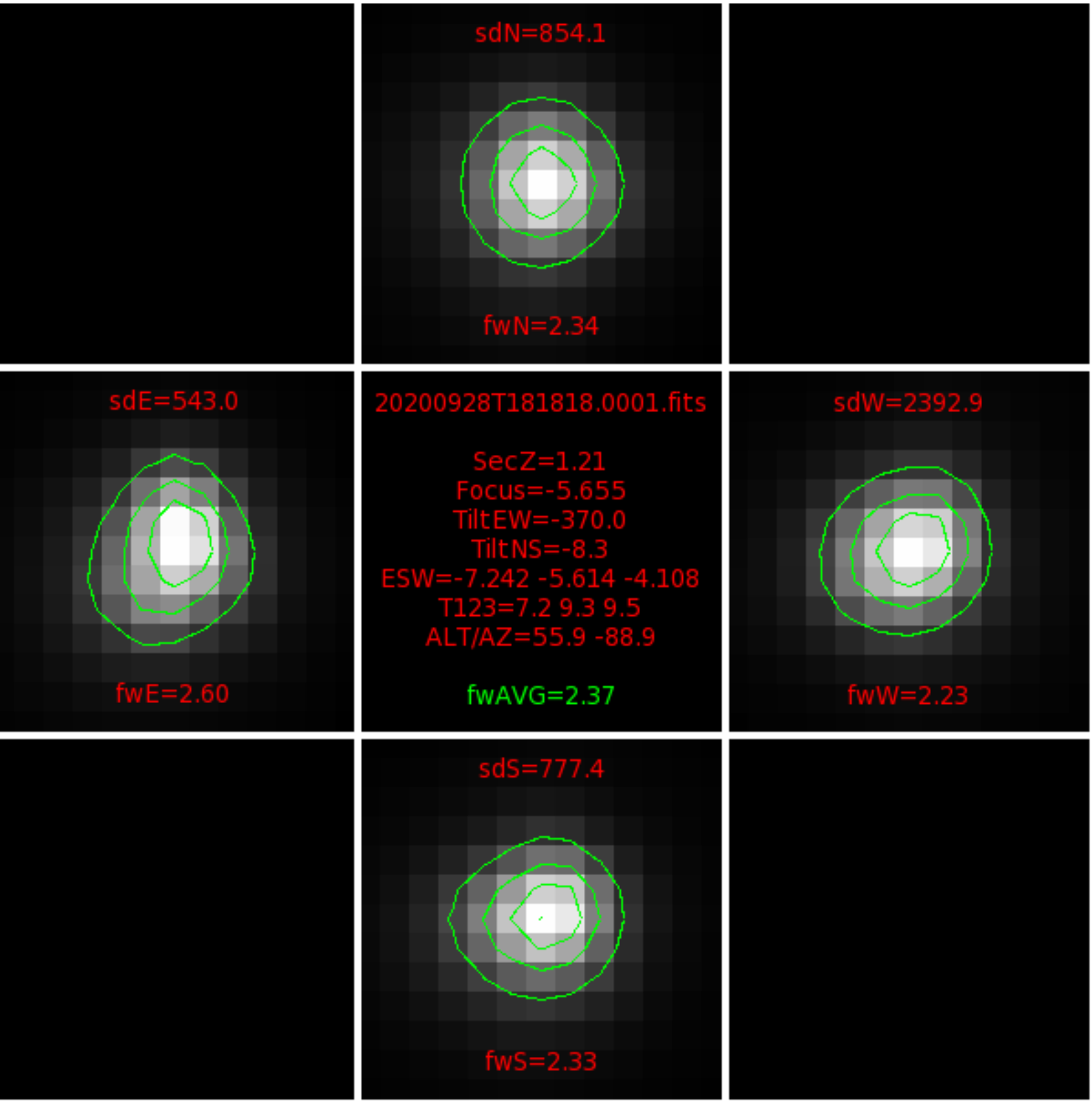
sdN=854.1
fwN=2.34
sdE=543.0
fwE=2.60
20200928T181818.0001.fits
SecZ=1.21
Focus=-5.655
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.242 -5.614 -4.108
T123=7.2 9.3 9.5
ALT/AZ=55.9 -88.9
fwAVG=2.37
sdW=2392.9
fwW=2.23
sdS=777.4
fwS=2.33
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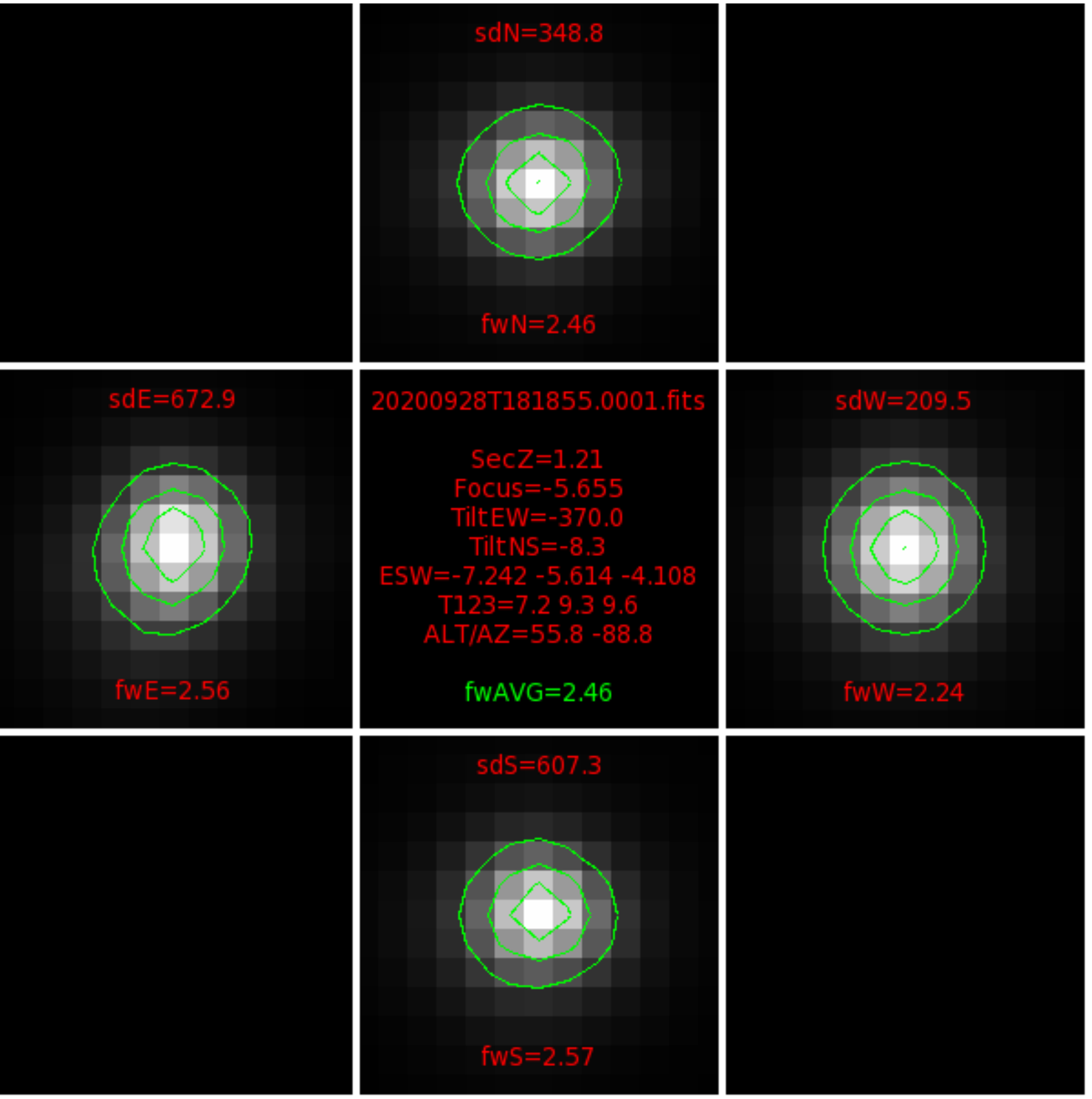
sdN=348.8
fwN=2.46
sdE=672.9
fwE=2.56
20200928T181855.0001.fits
SecZ=1.21
Focus=-5.655
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.242 -5.614 -4.108
T123=7.2 9.3 9.6
ALT/AZ=55.8 -88.8
fwAVG=2.46
sdW=209.5
fwW=2.24
sdS=607.3
fwS=2.57
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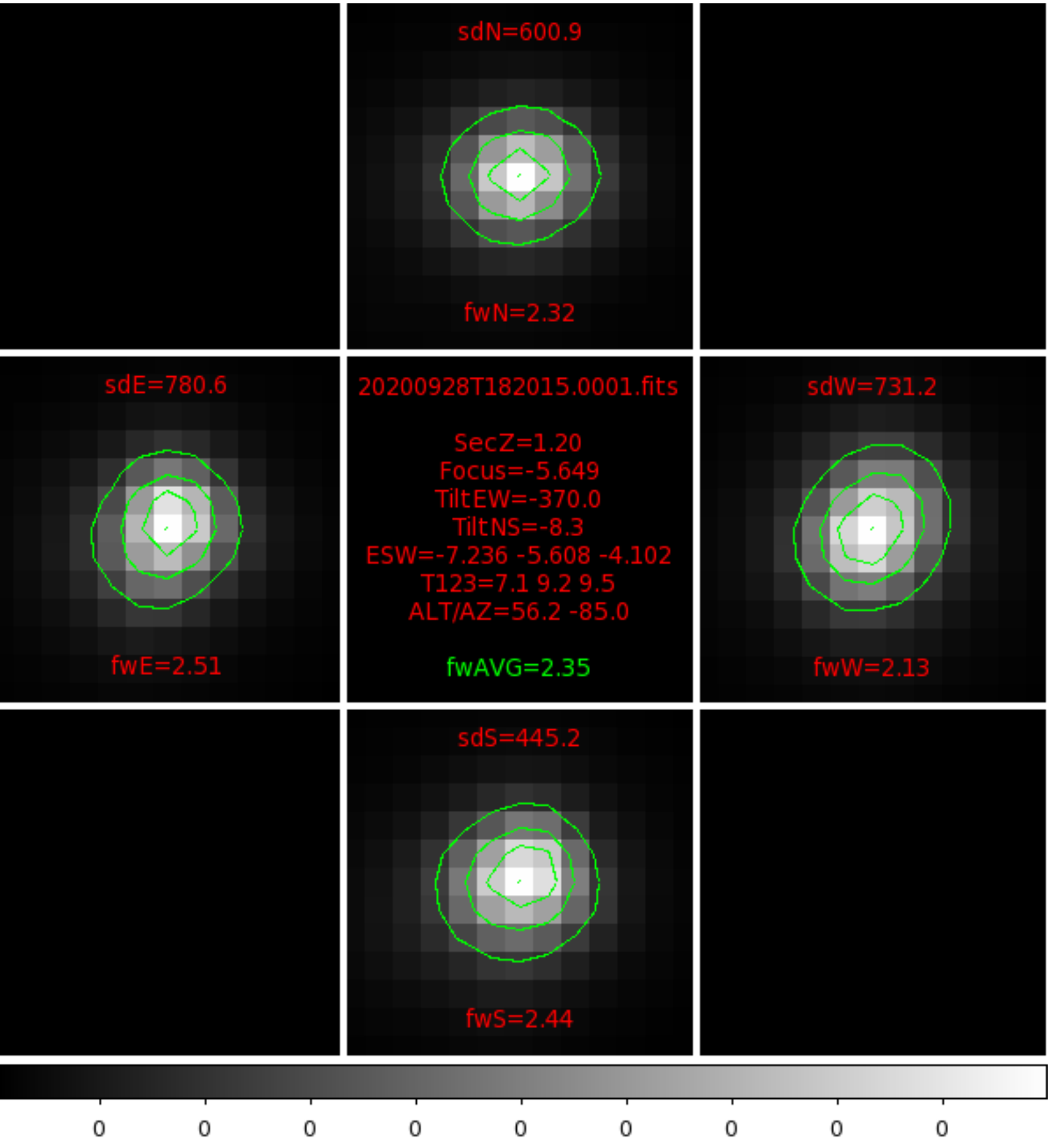
sdN=600.9
fwN=2.32
sdE=780.6
fwE=2.51
20200928T182015.0001.fits
SecZ=1.20
Focus=-5.649
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.236 -5.608 -4.102
T123=7.1 9.2 9.5
ALT/AZ=56.2 -85.0
fwAVG=2.35
sdW=731.2
fwW=2.13
sdS=445.2
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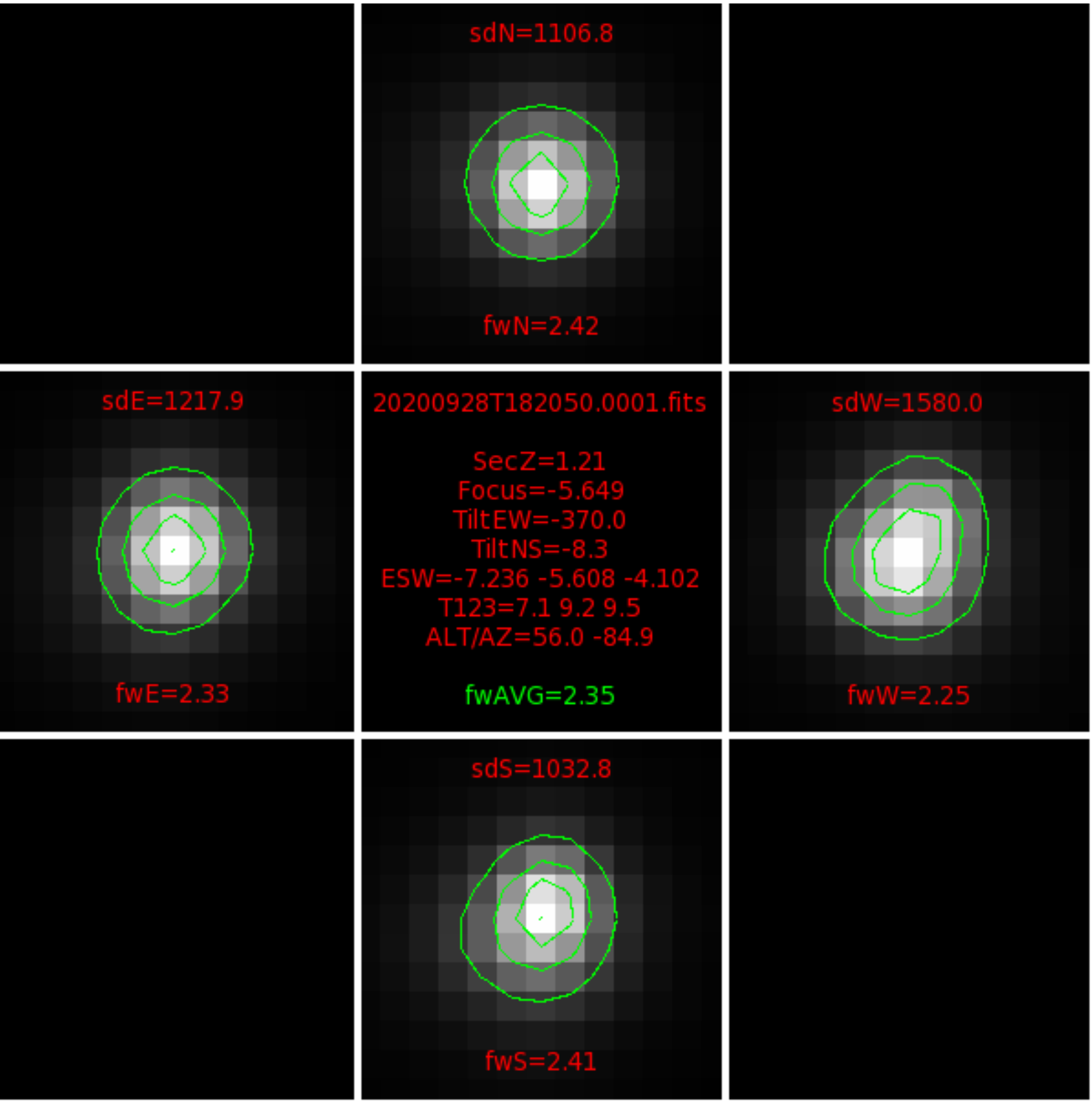
sdN=1106.8
fwN=2.42
sdE=1217.9
fwE=2.33
20200928T182050.0001.fits
SecZ=1.21
Focus=-5.649
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.236 -5.608 -4.102
T123=7.1 9.2 9.5
ALT/AZ=56.0 -84.9
fwAVG=2.35
sdW=1580.0
fwW=2.25
sdS=1032.8
fwS=2.41
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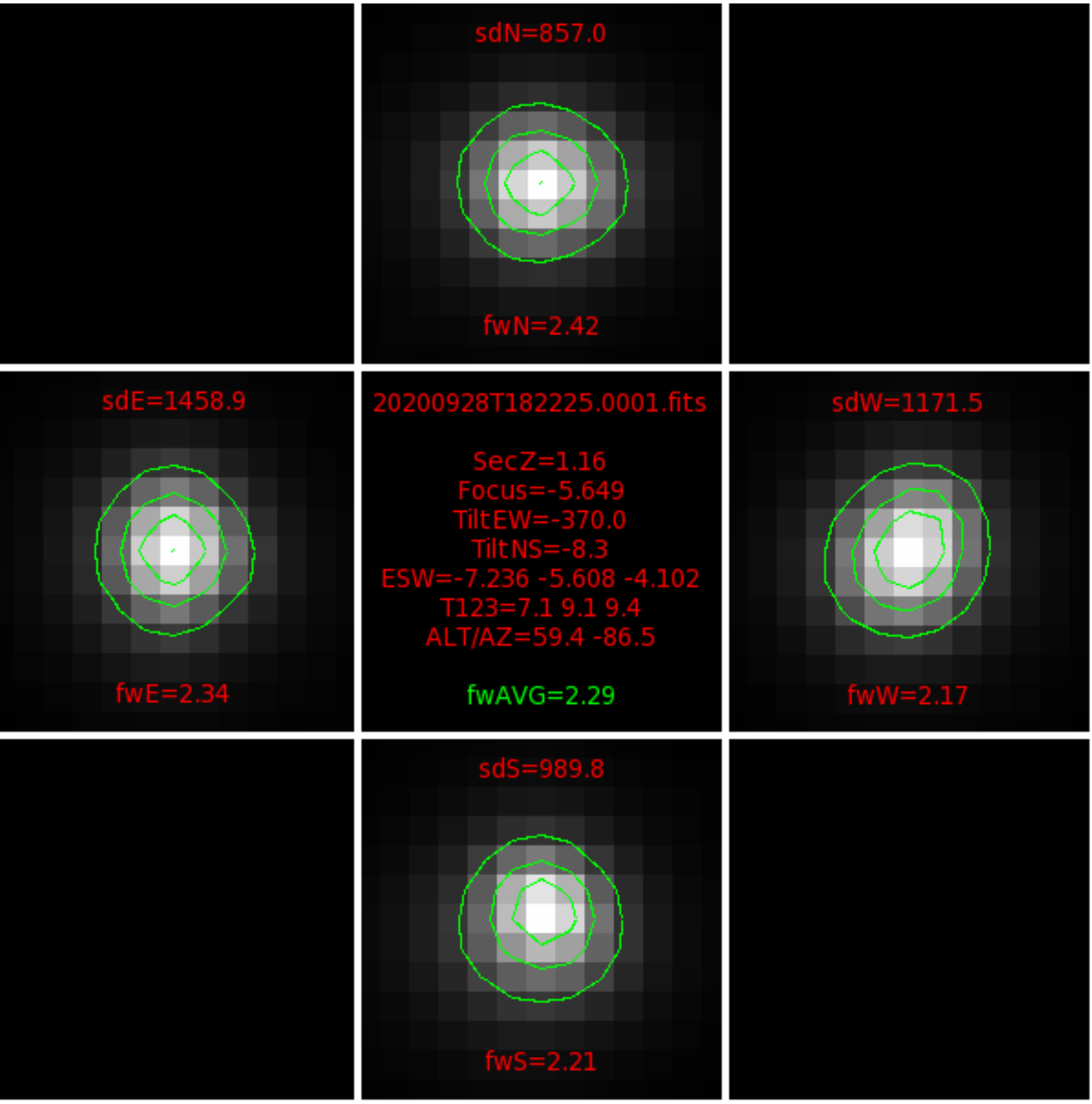
sdN=857.0
fwN=2.42
sdE=1458.9
fwE=2.34
20200928T182225.0001.fits
SecZ=1.16
Focus=-5.649
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.236 -5.608 -4.102
T123=7.1 9.1 9.4
ALT/AZ=59.4 -86.5
fwAVG=2.29
sdW=1171.5
fwW=2.17
sdS=989.8
fwS=2.21
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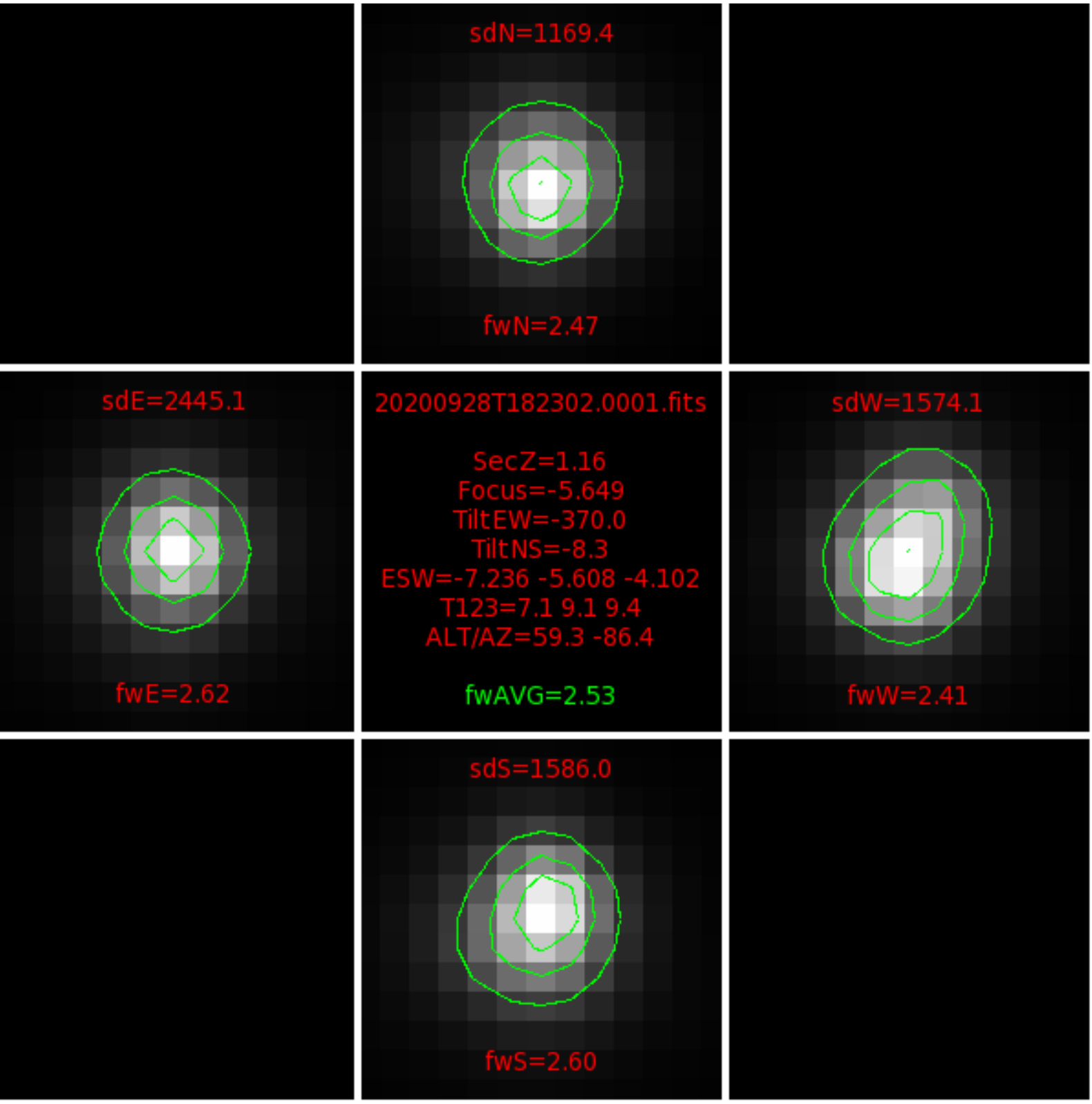
sdN=1169.4
fwN=2.47
sdE=2445.1
fwE=2.62
20200928T182302.0001.fits
SecZ=1.16
Focus=-5.649
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.236 -5.608 -4.102
T123=7.1 9.1 9.4
ALT/AZ=59.3 -86.4
fwAVG=2.53
sdW=1574.1
fwW=2.41
sdS=1586.0
fwS=2.60
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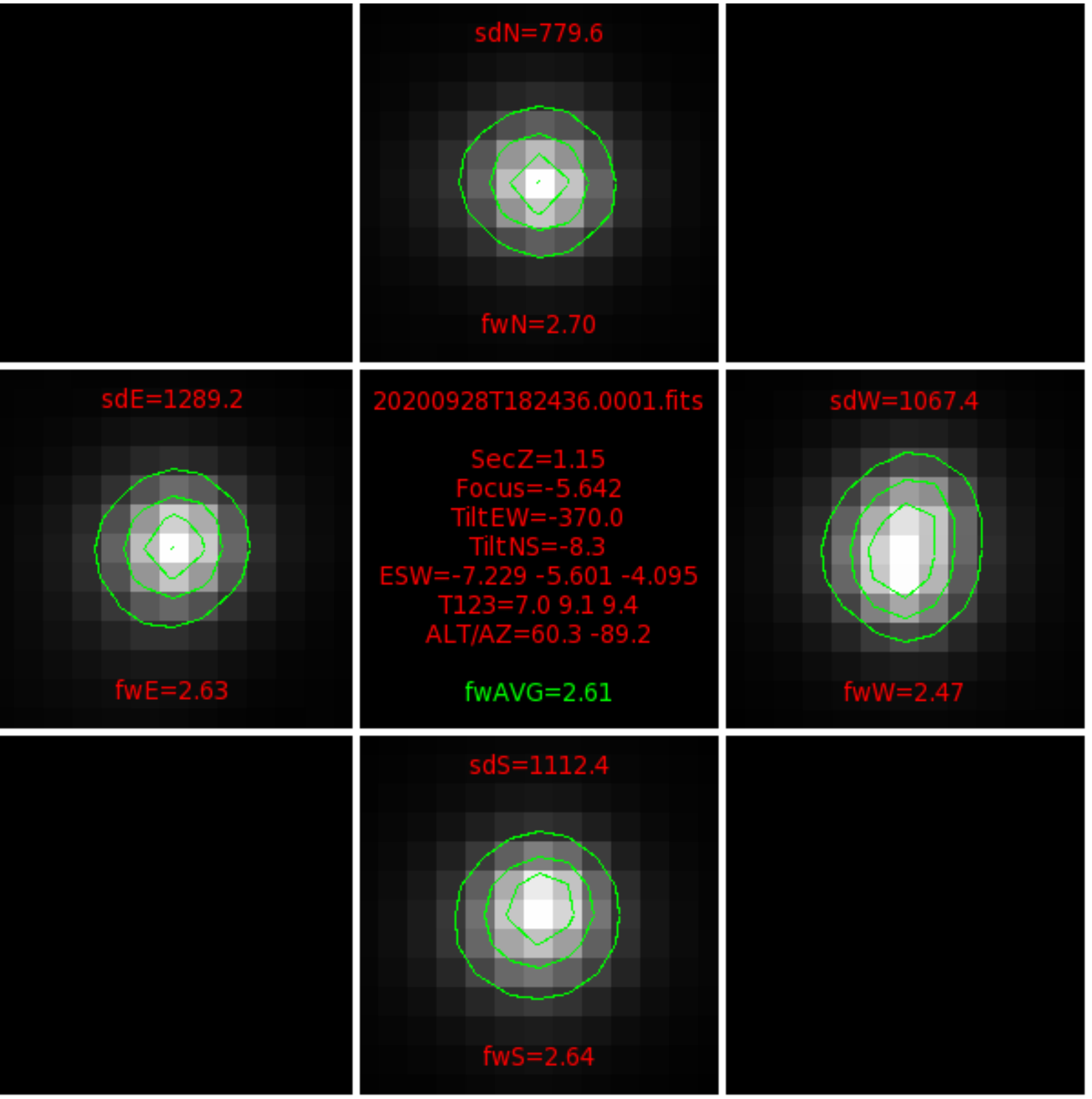
sdN=779.6
fwN=2.70
sdE=1289.2
fwE=2.63
20200928T182436.0001.fits
SecZ=1.15
Focus=-5.642
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.229 -5.601 -4.095
T123=7.0 9.1 9.4
ALT/AZ=60.3 -89.2
fwAVG=2.61
sdW=1067.4
fwW=2.47
sdS=1112.4
fwS=2.64
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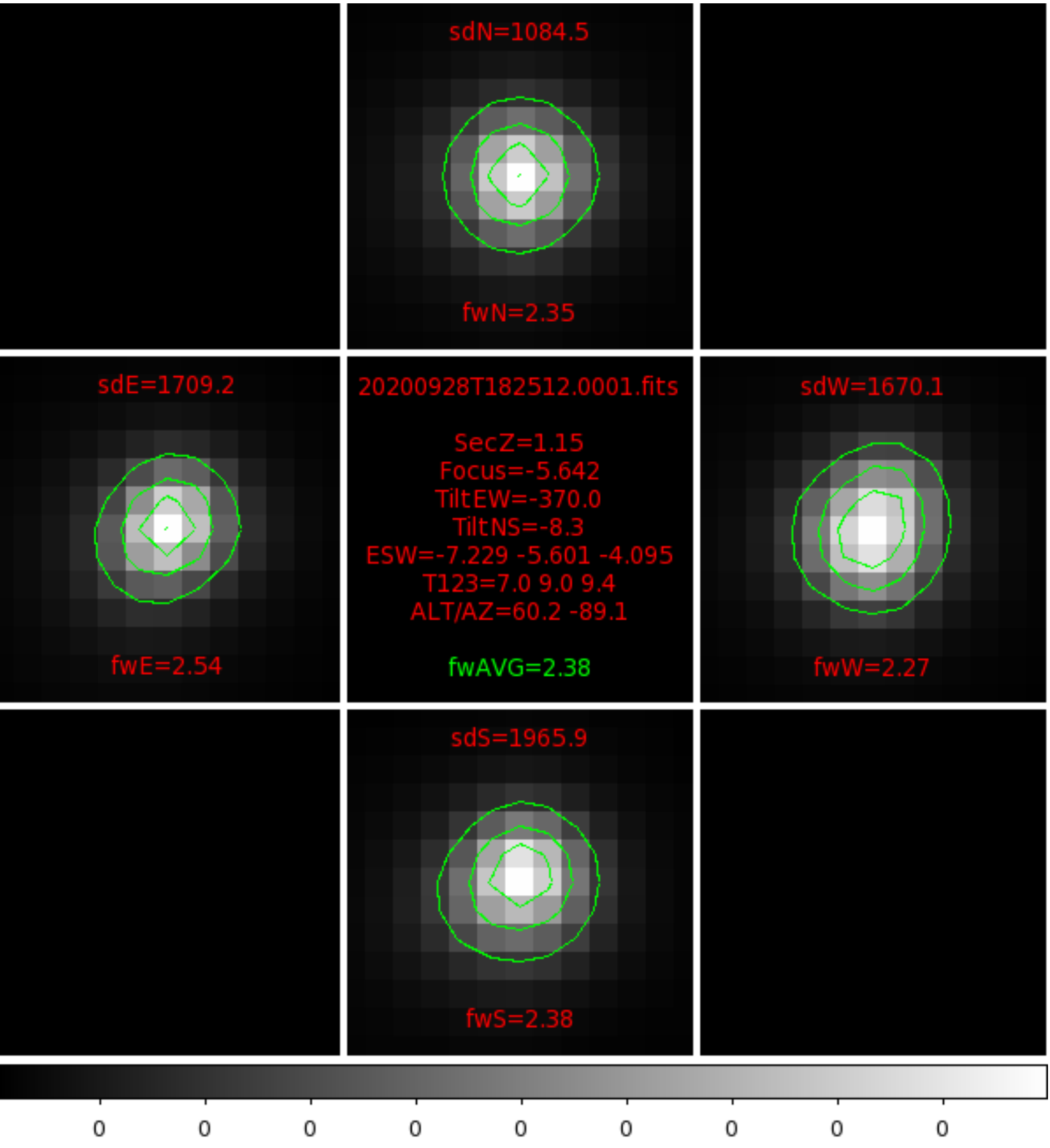
sdN=1084.5
fwN=2.35
sdE=1709.2
fwE=2.54
20200928T182512.0001.fits
SecZ=1.15
Focus=-5.642
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.229 -5.601 -4.095
T123=7.0 9.0 9.4
ALT/AZ=60.2 -89.1
fwAVG=2.38
sdW=1670.1
fwW=2.27
sdS=1965.9
fwS=2.38
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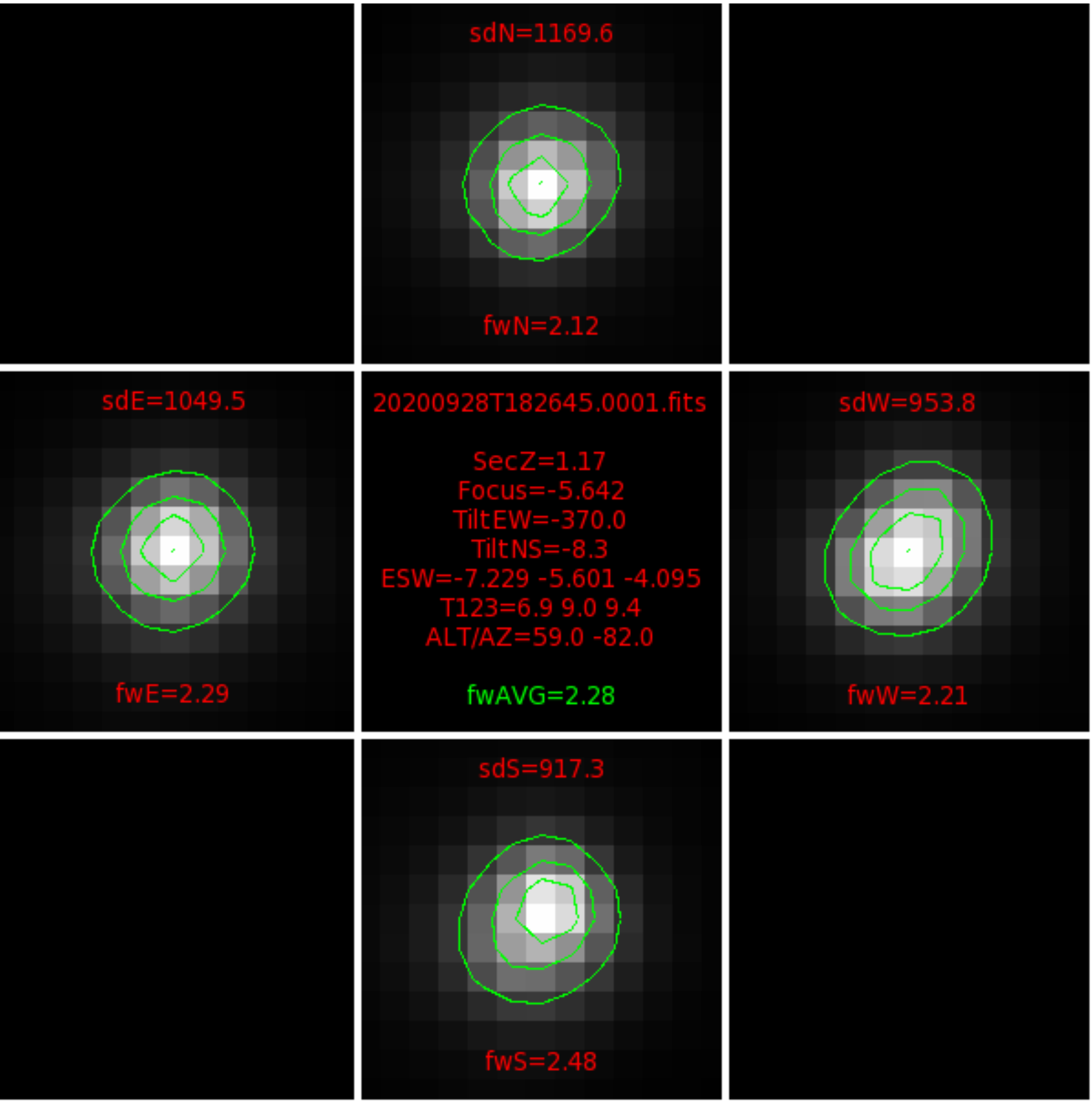
sdN=1169.6
fwN=2.12
sdE=1049.5
fwE=2.29
20200928T182645.0001.fits
SecZ=1.17
Focus=-5.642
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.229 -5.601 -4.095
T123=6.9 9.0 9.4
ALT/AZ=59.0 -82.0
fwAVG=2.28
sdW=953.8
fwW=2.21
sdS=917.3
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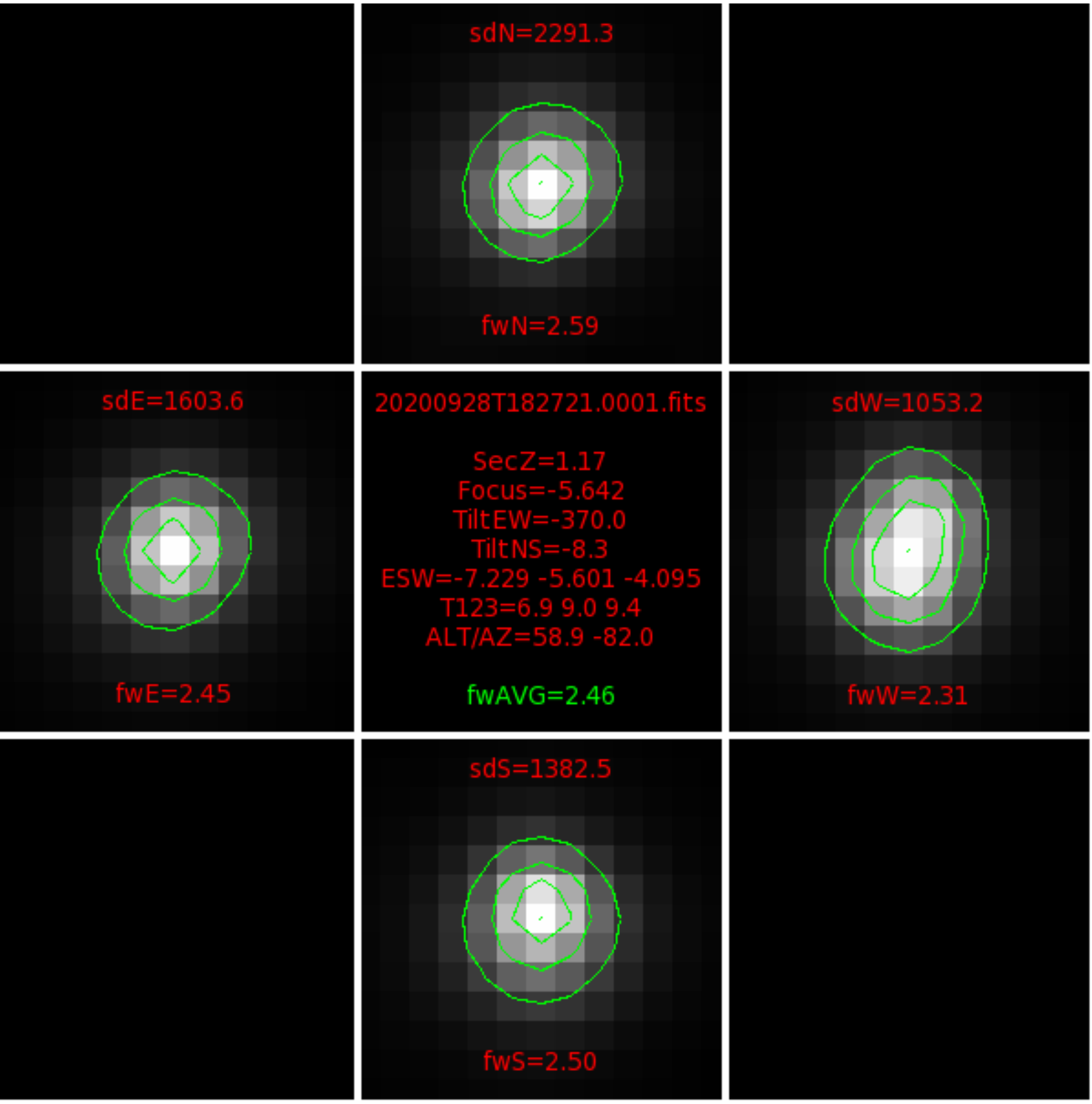
sdN=2291.3
fwN=2.59
sdE=1603.6
fwE=2.45
20200928T182721.0001.fits
SecZ=1.17
Focus=-5.642
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.229 -5.601 -4.095
T123=6.9 9.0 9.4
ALT/AZ=58.9 -82.0
fwAVG=2.46
sdW=1053.2
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sdS=1382.5
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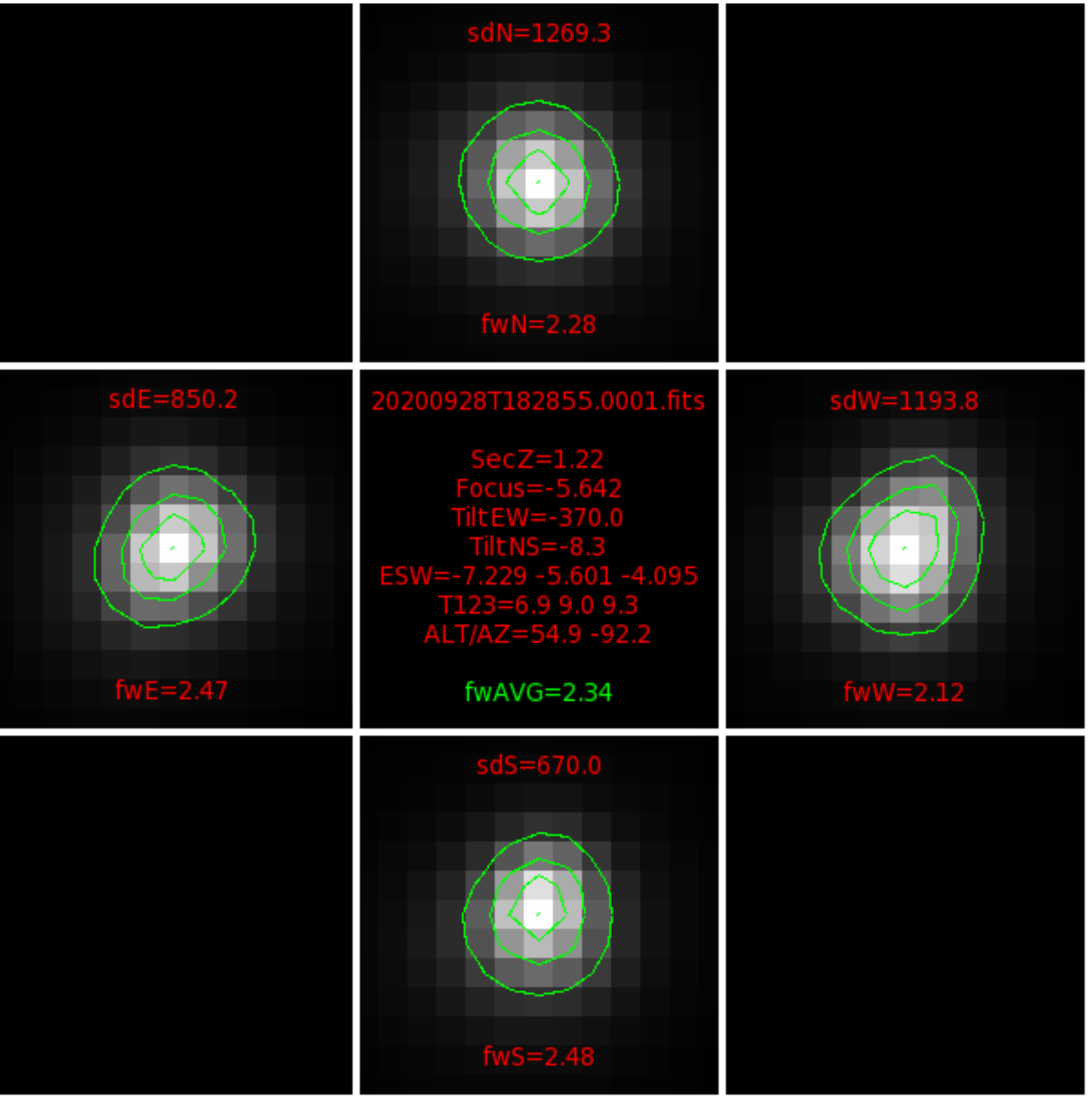
sdN=1269.3
fwN=2.28
sdE=850.2
fwE=2.47
20200928T182855.0001.fits
SecZ=1.22
Focus=-5.642
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.229 -5.601 -4.095
T123=6.9 9.0 9.3
ALT/AZ=54.9 -92.2
fwAVG=2.34
sdW=1193.8
fwW=2.12
sdS=670.0
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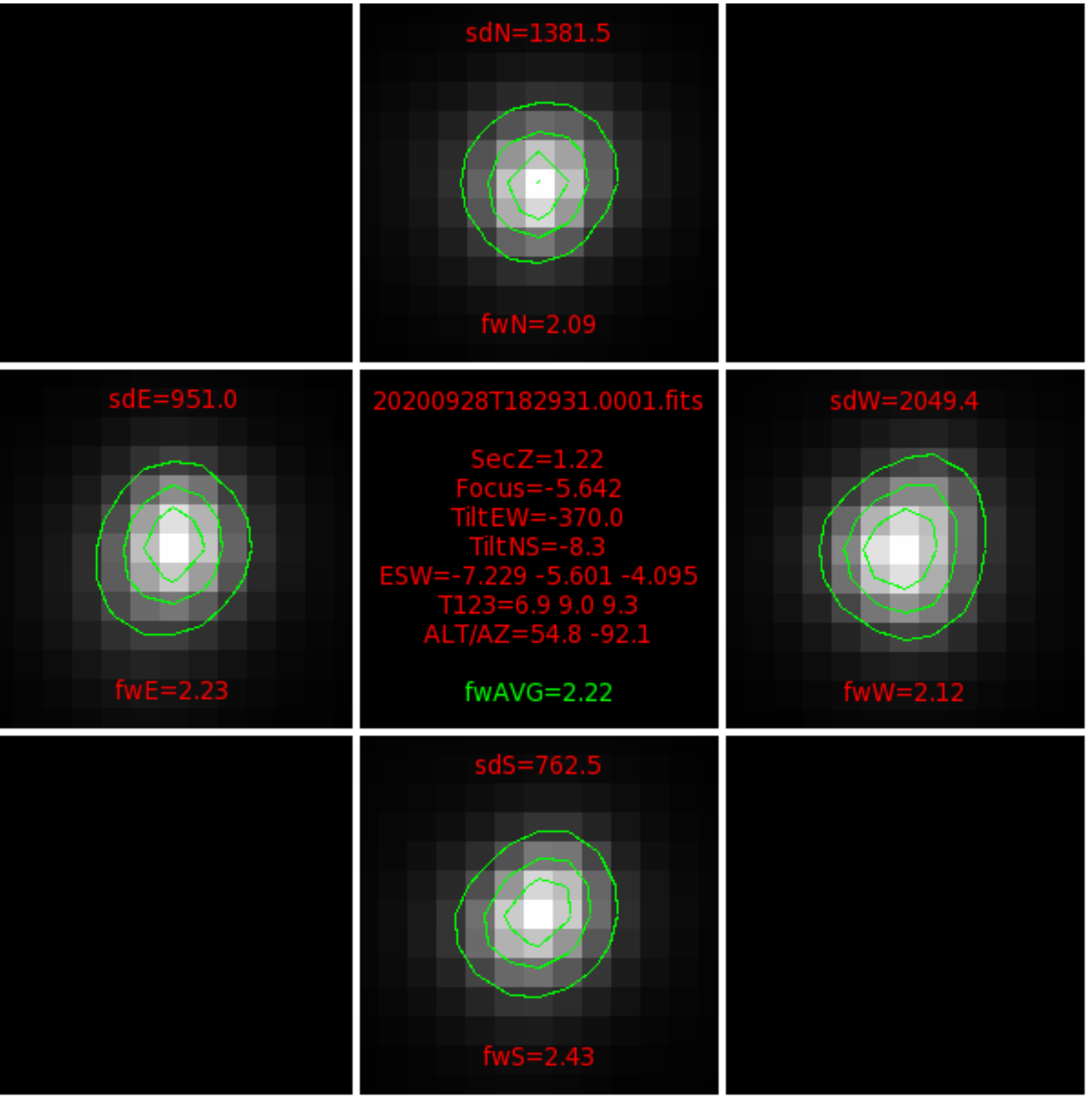
sdN=1381.5
fwN=2.09
sdE=951.0
fwE=2.23
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SecZ=1.22
Focus=-5.642
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.229 -5.601 -4.095
T123=6.9 9.0 9.3
ALT/AZ=54.8 -92.1
fwAVG=2.22
sdW=2049.4
fwW=2.12
sdS=762.5
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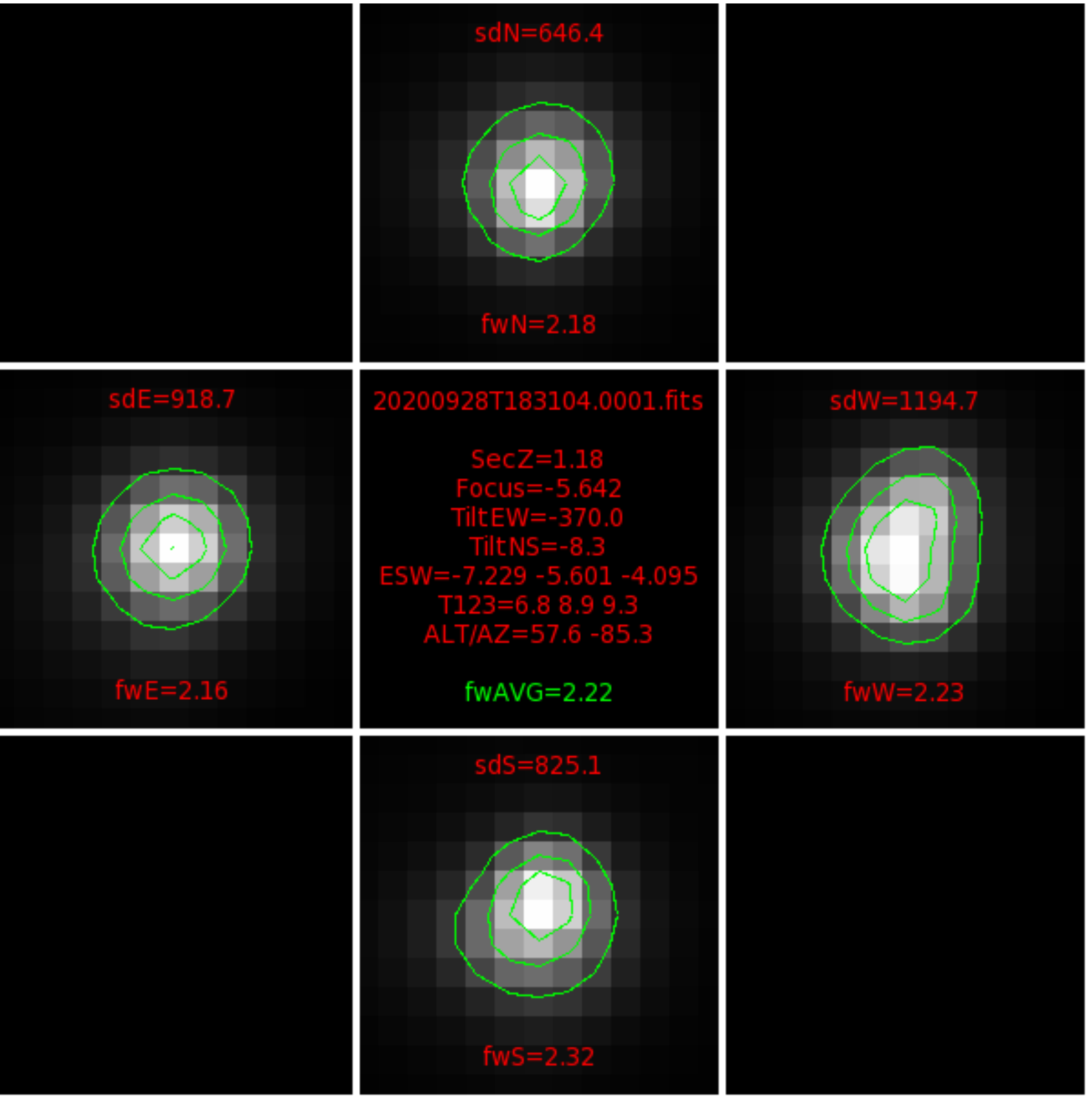
sdN=646.4
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sdE=918.7
fwE=2.16
20200928T183104.0001.fits
SecZ=1.18
Focus=-5.642
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.229 -5.601 -4.095
T123=6.8 8.9 9.3
ALT/AZ=57.6 -85.3
fwAVG=2.22
sdW=1194.7
fwW=2.23
sdS=825.1
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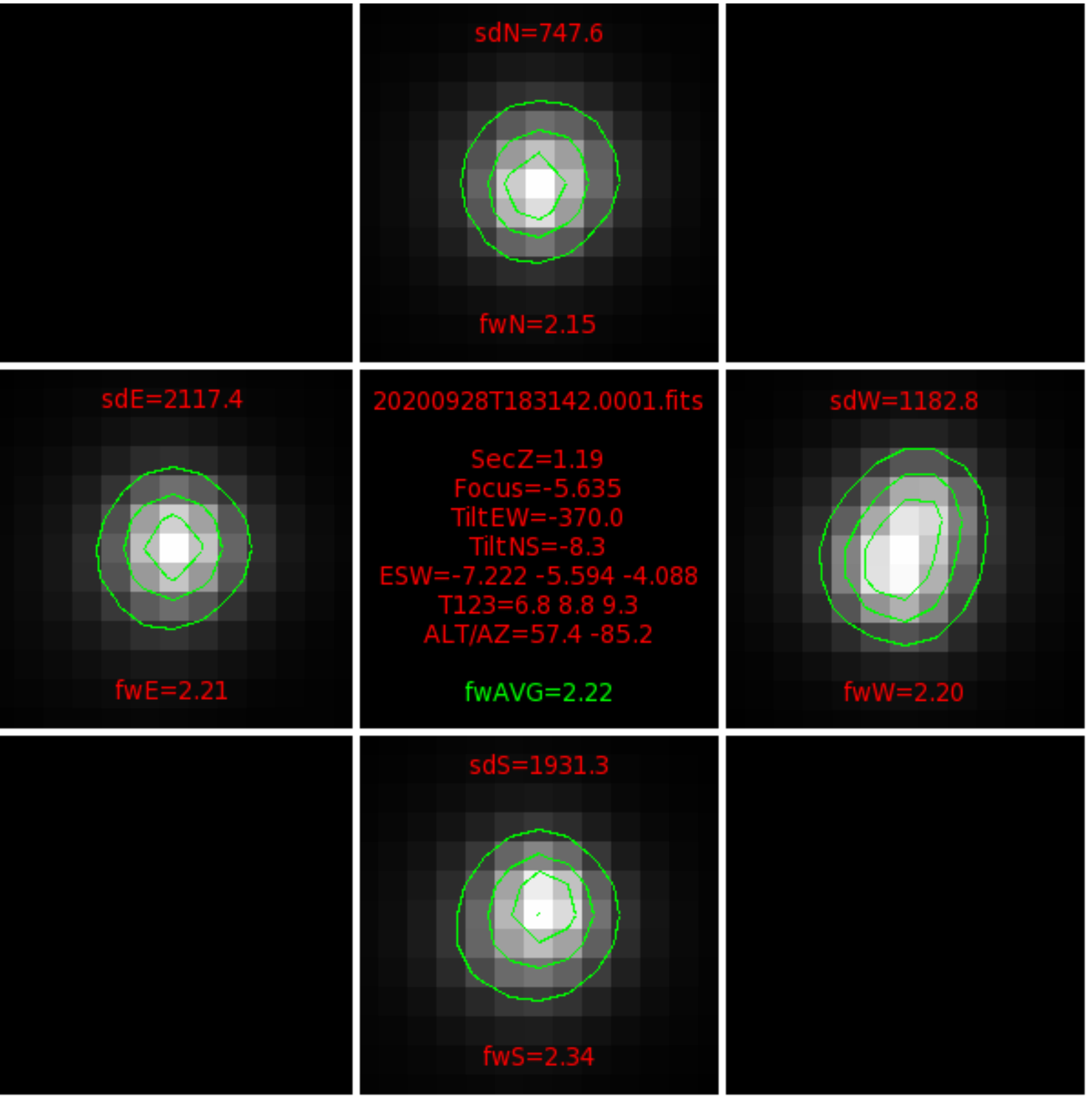
sdN=747.6
fwN=2.15
sdE=2117.4
fwE=2.21
20200928T183142.0001.fits
SecZ=1.19
Focus=-5.635
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.222 -5.594 -4.088
T123=6.8 8.8 9.3
ALT/AZ=57.4 -85.2
fwAVG=2.22
sdW=1182.8
fwW=2.20
sdS=1931.3
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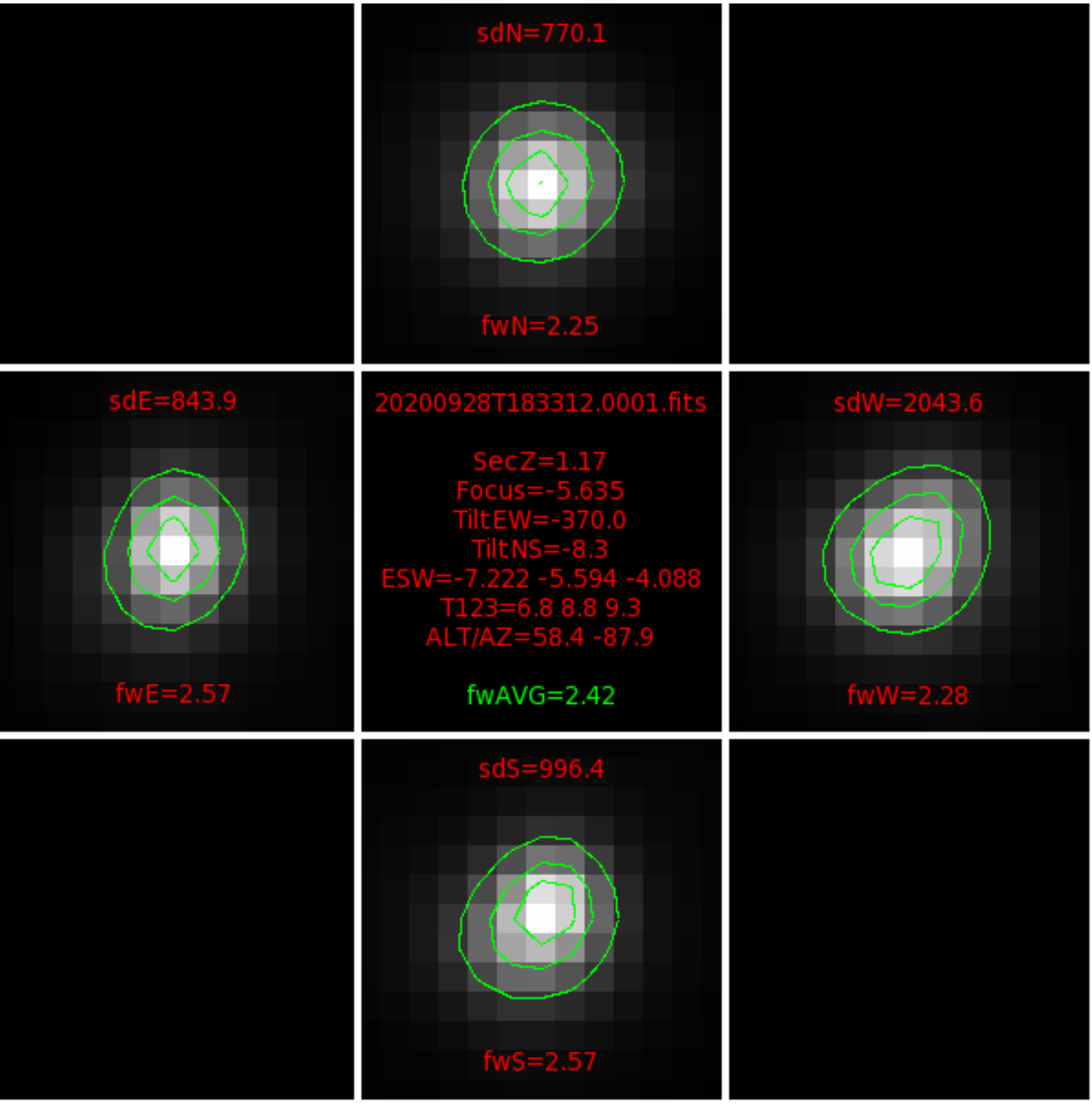
sdN=770.1
fwN=2.25
sdE=843.9
fwE=2.57
20200928T183312.0001.fits
SecZ=1.17
Focus=-5.635
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.222 -5.594 -4.088
T123=6.8 8.8 9.3
ALT/AZ=58.4 -87.9
fwAVG=2.42
sdW=2043.6
fwW=2.28
sdS=996.4
fwS=2.57
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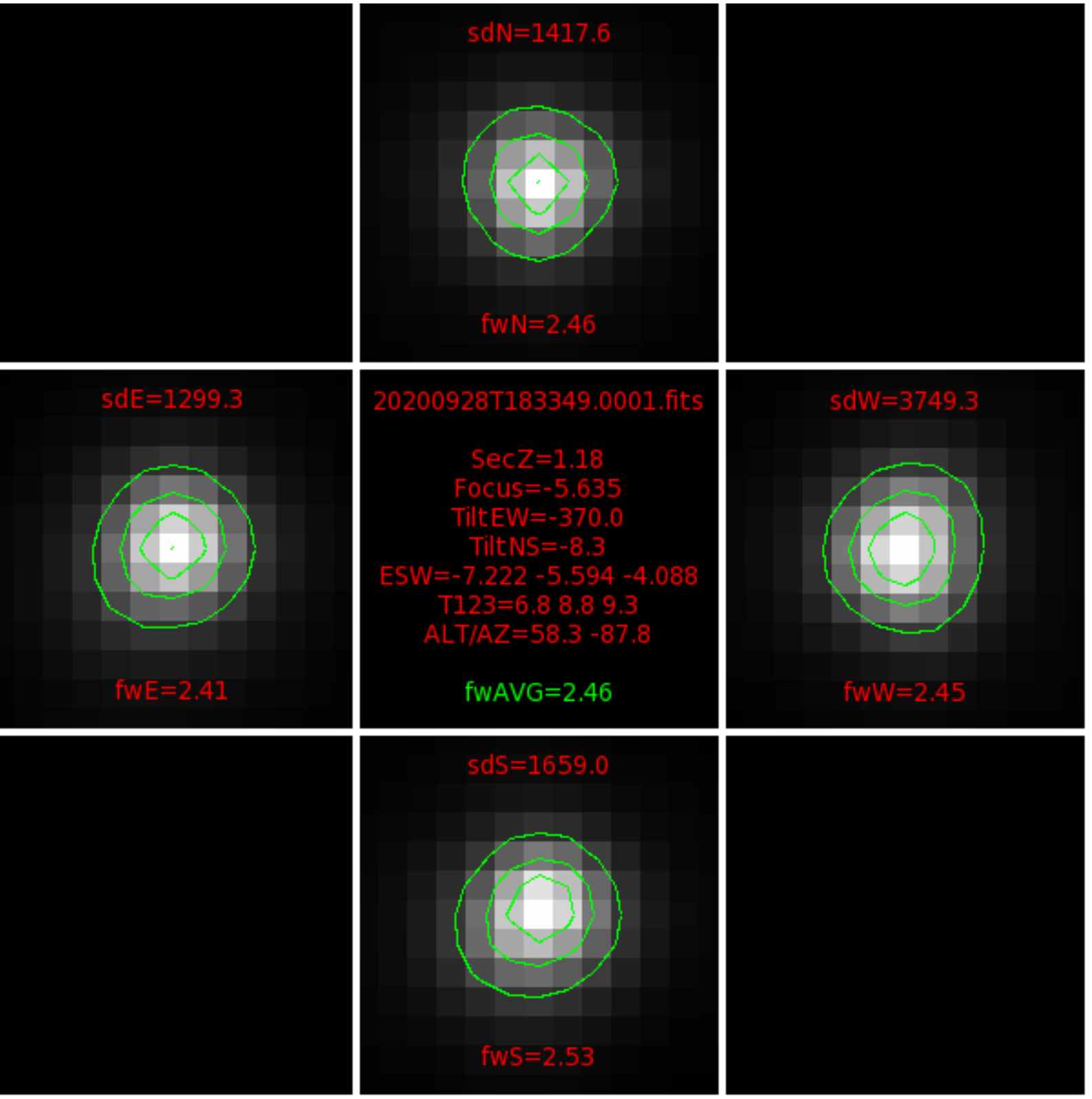
sdN=1417.6
fwN=2.46
sdE=1299.3
fwE=2.41
20200928T183349.0001.fits
SecZ=1.18
Focus=-5.635
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.222 -5.594 -4.088
T123=6.8 8.8 9.3
ALT/AZ=58.3 -87.8
fwAVG=2.46
sdW=3749.3
fwW=2.45
sdS=1659.0
fwS=2.53
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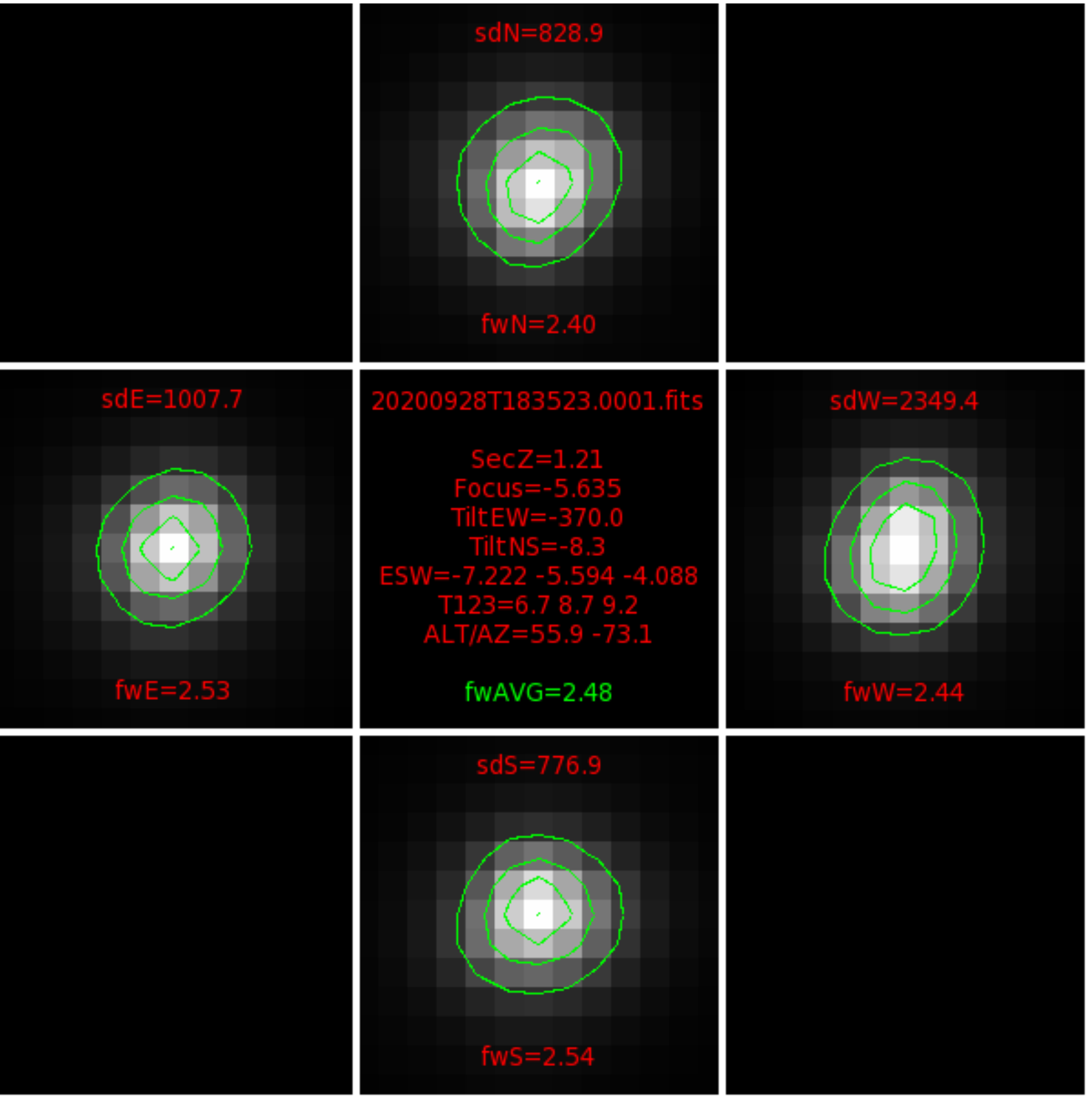
sdN=828.9
fwN=2.40
sdE=1007.7
fwE=2.53
20200928T183523.0001.fits
SecZ=1.21
Focus=-5.635
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.222 -5.594 -4.088
T123=6.7 8.7 9.2
ALT/AZ=55.9 -73.1
fwAVG=2.48
sdW=2349.4
fwW=2.44
sdS=776.9
fwS=2.54
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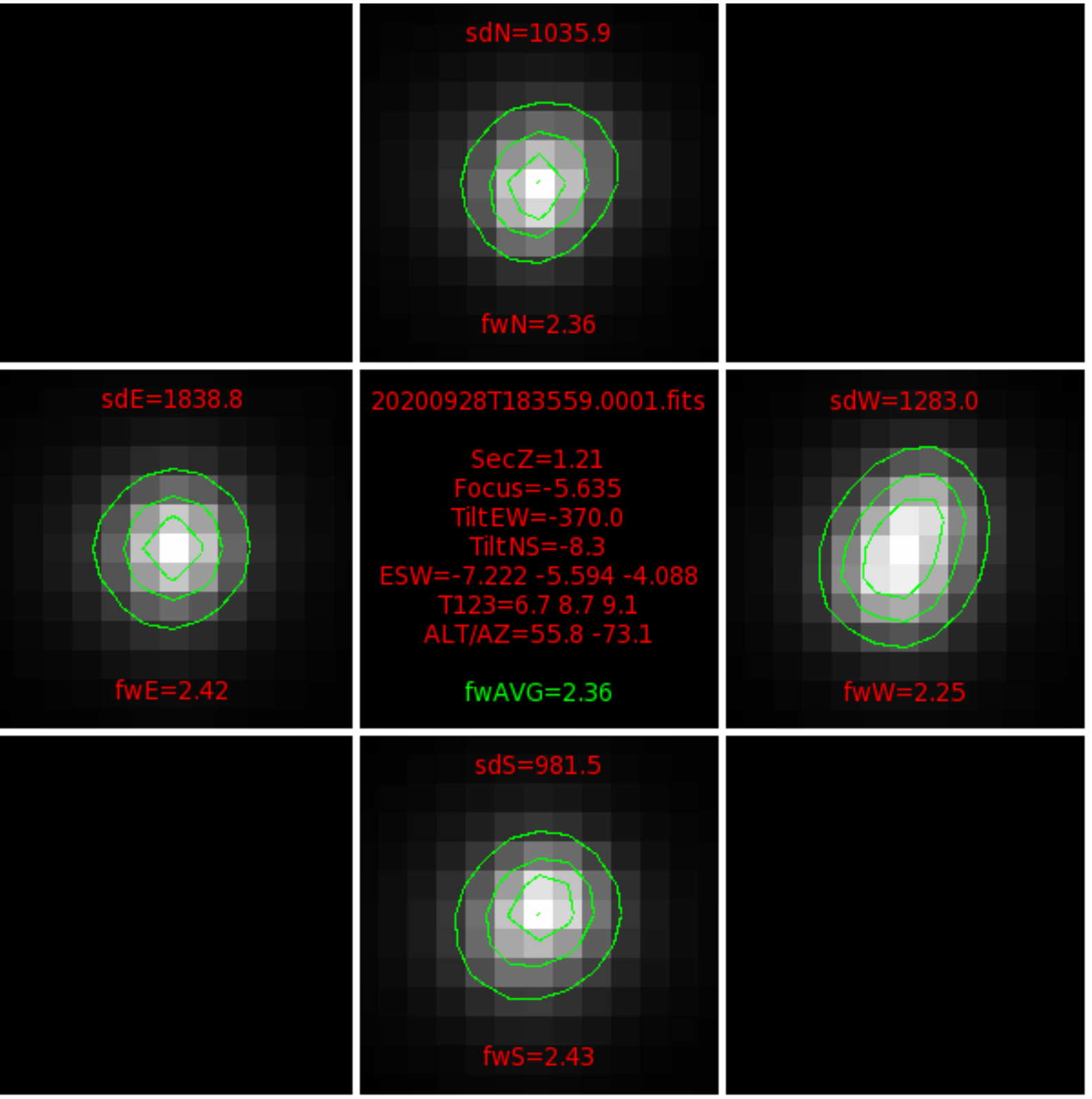
sdN=1035.9
fwN=2.36
sdE=1838.8
fwE=2.42
20200928T183559.0001.fits
SecZ=1.21
Focus=-5.635
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.222 -5.594 -4.088
T123=6.7 8.7 9.1
ALT/AZ=55.8 -73.1
fwAVG=2.36
sdW=1283.0
fwW=2.25
sdS=981.5
fwS=2.43
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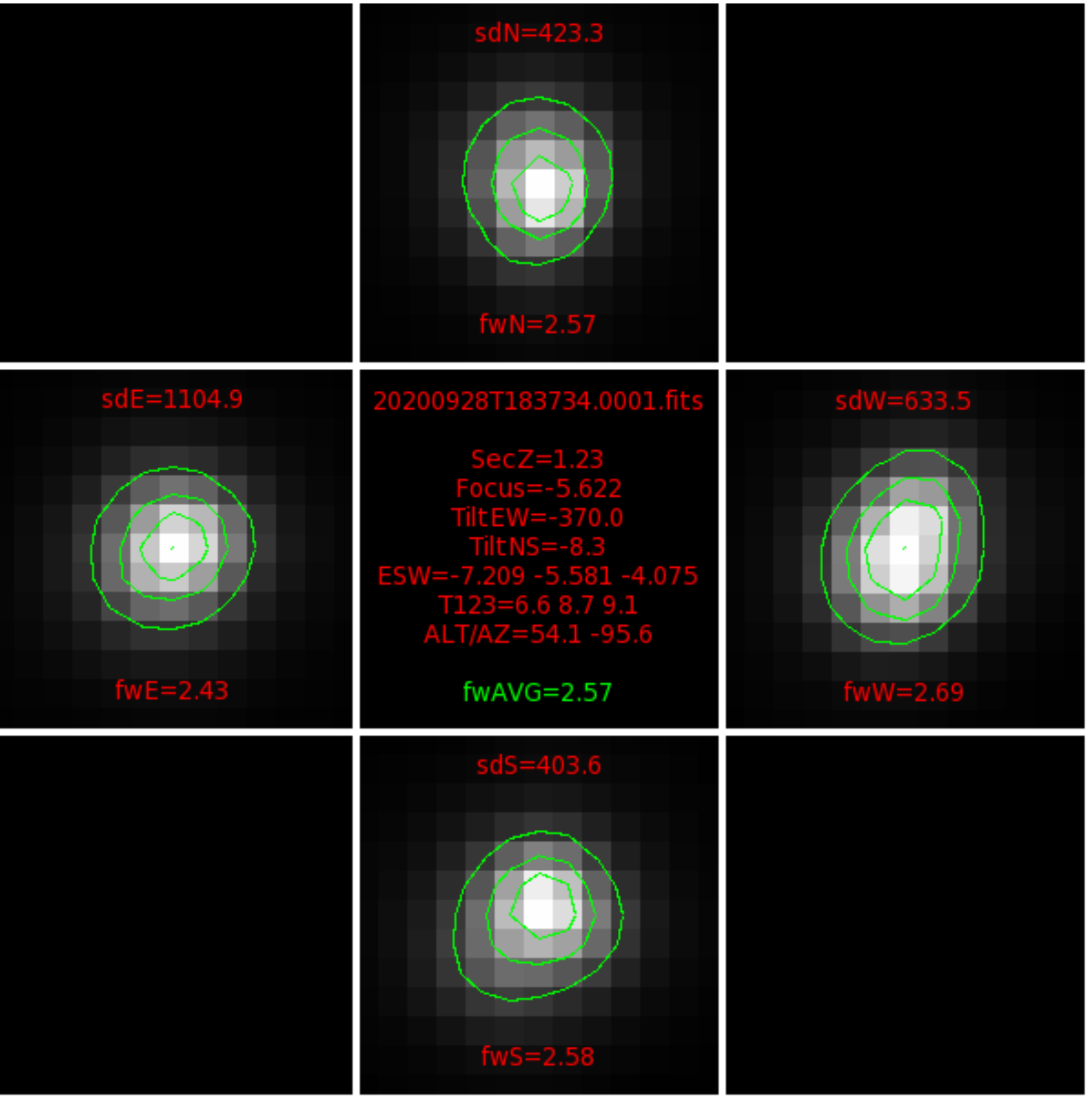
sdN=423.3
fwN=2.57
sdE=1104.9
fwE=2.43
20200928T183734.0001.fits
SecZ=1.23
Focus=-5.622
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.209 -5.581 -4.075
T123=6.6 8.7 9.1
ALT/AZ=54.1 -95.6
fwAVG=2.57
sdW=633.5
fwW=2.69
sdS=403.6
fwS=2.58
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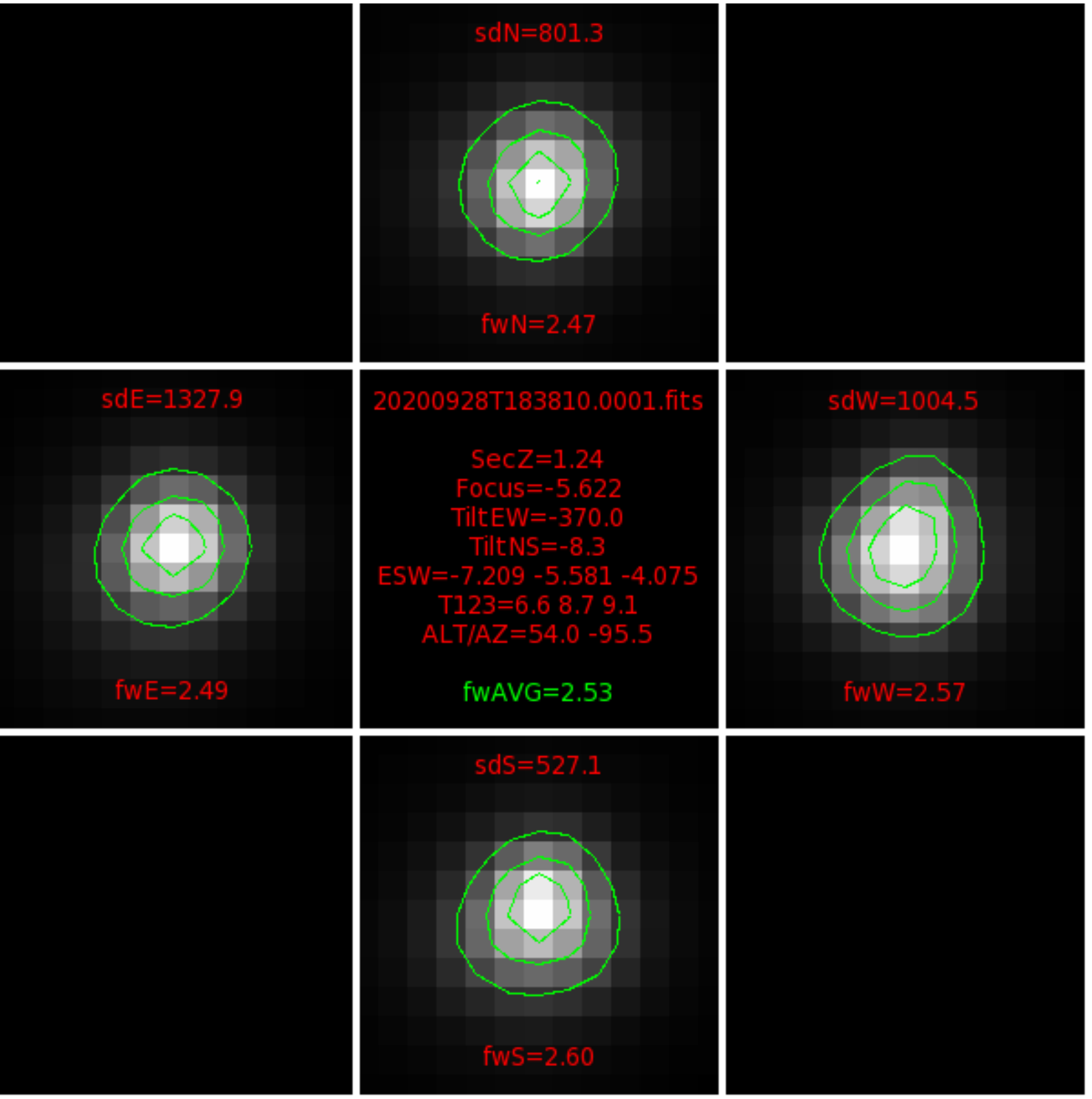
sdN=801.3
fwN=2.47
sdE=1327.9
fwE=2.49
20200928T183810.0001.fits
SecZ=1.24
Focus=-5.622
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.209 -5.581 -4.075
T123=6.6 8.7 9.1
ALT/AZ=54.0 -95.5
fwAVG=2.53
sdW=1004.5
fwW=2.57
sdS=527.1
fwS=2.60
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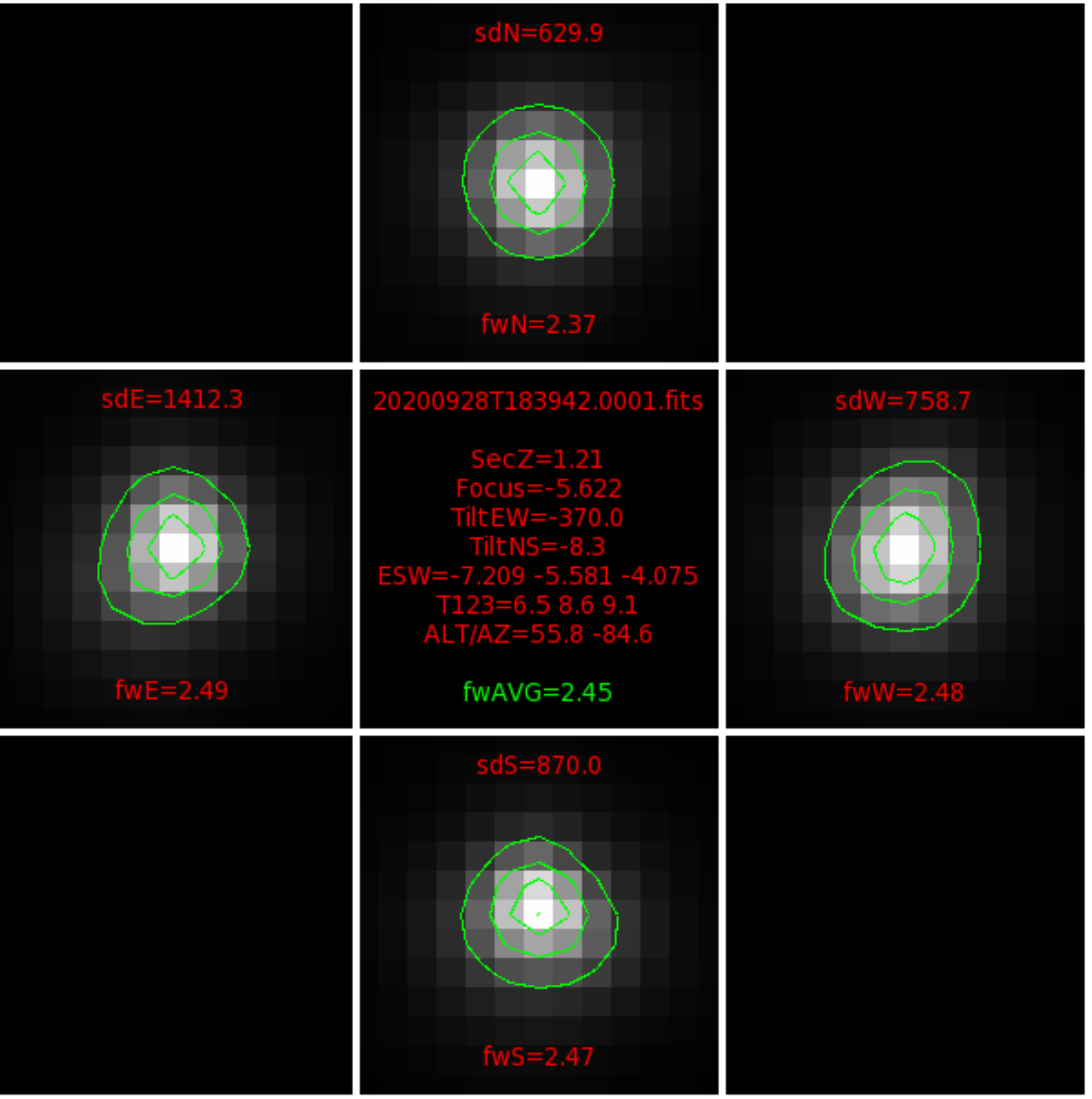
sdN=629.9
fwN=2.37
sdE=1412.3
fwE=2.49
20200928T183942.0001.fits
SecZ=1.21
Focus=-5.622
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.209 -5.581 -4.075
T123=6.5 8.6 9.1
ALT/AZ=55.8 -84.6
fwAVG=2.45
sdW=758.7
fwW=2.48
sdS=870.0
fwS=2.47
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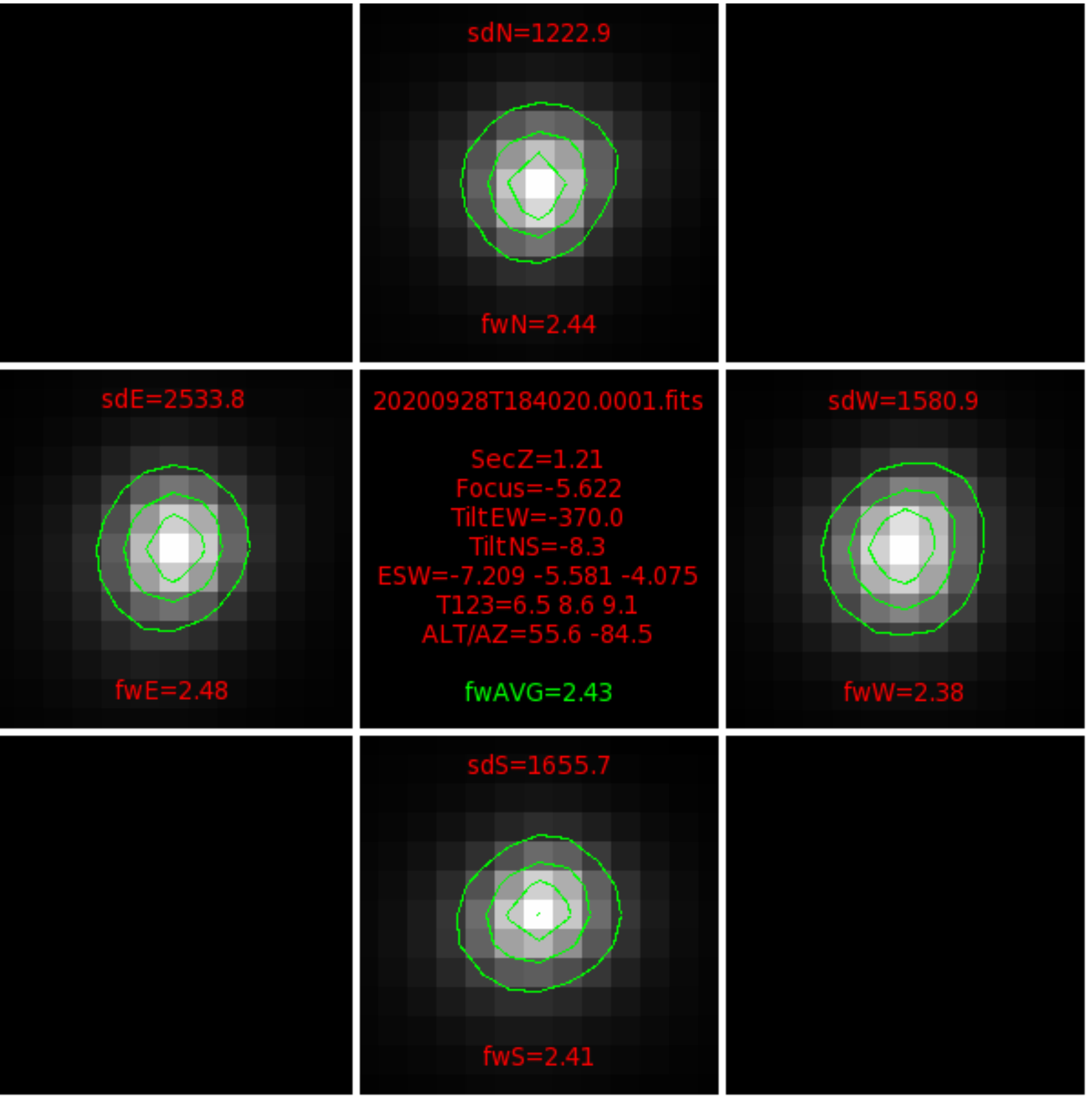
sdN=1222.9
fwN=2.44
sdE=2533.8
fwE=2.48
20200928T184020.0001.fits
SecZ=1.21
Focus=-5.622
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.209 -5.581 -4.075
T123=6.5 8.6 9.1
ALT/AZ=55.6 -84.5
fwAVG=2.43
sdW=1580.9
fwW=2.38
sdS=1655.7
fwS=2.41
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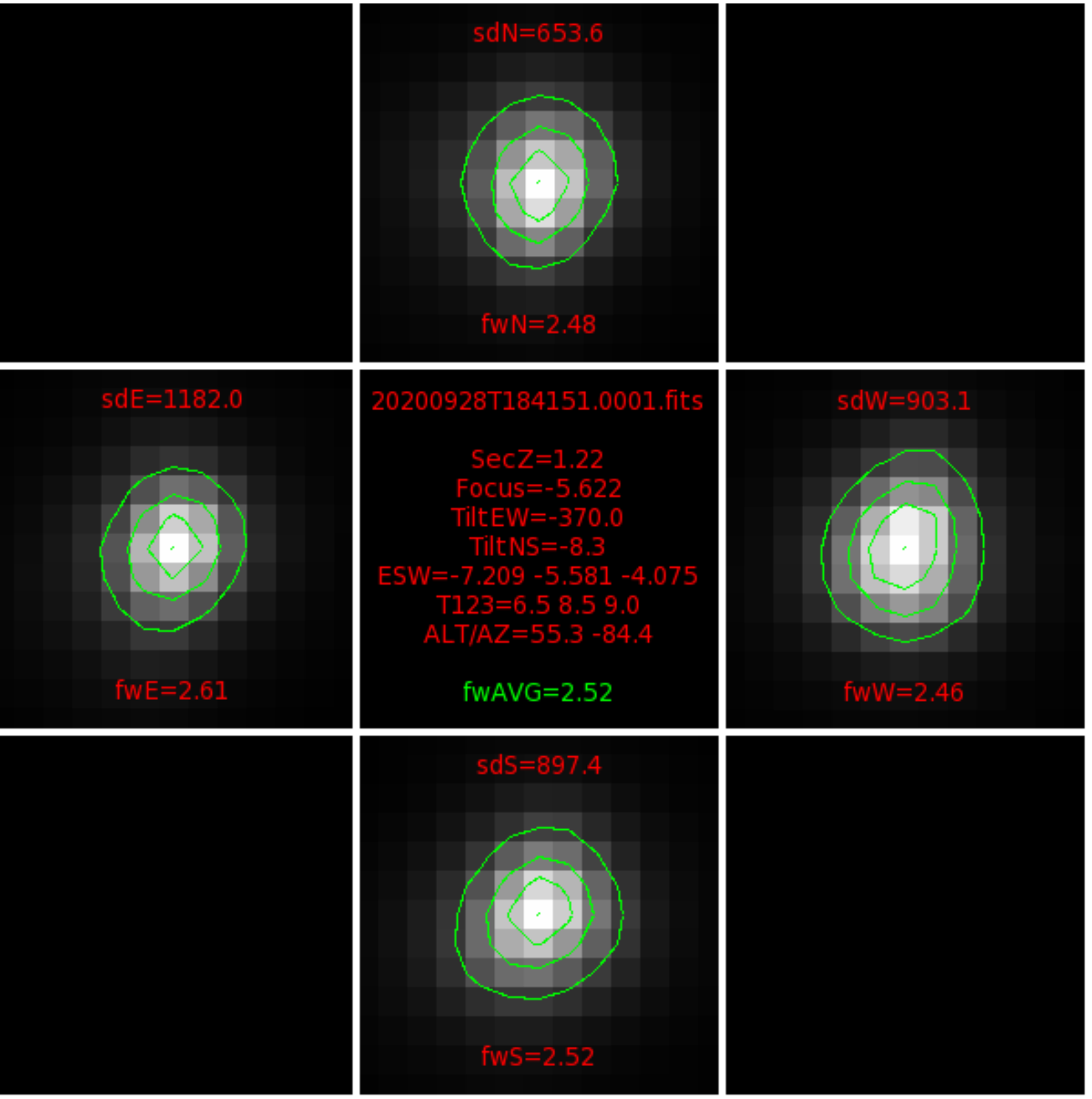
sdN=653.6
fwN=2.48
sdE=1182.0
fwE=2.61
20200928T184151.0001.fits
SecZ=1.22
Focus=-5.622
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.209 -5.581 -4.075
T123=6.5 8.5 9.0
ALT/AZ=55.3 -84.4
fwAVG=2.52
sdW=903.1
fwW=2.46
sdS=897.4
fwS=2.52
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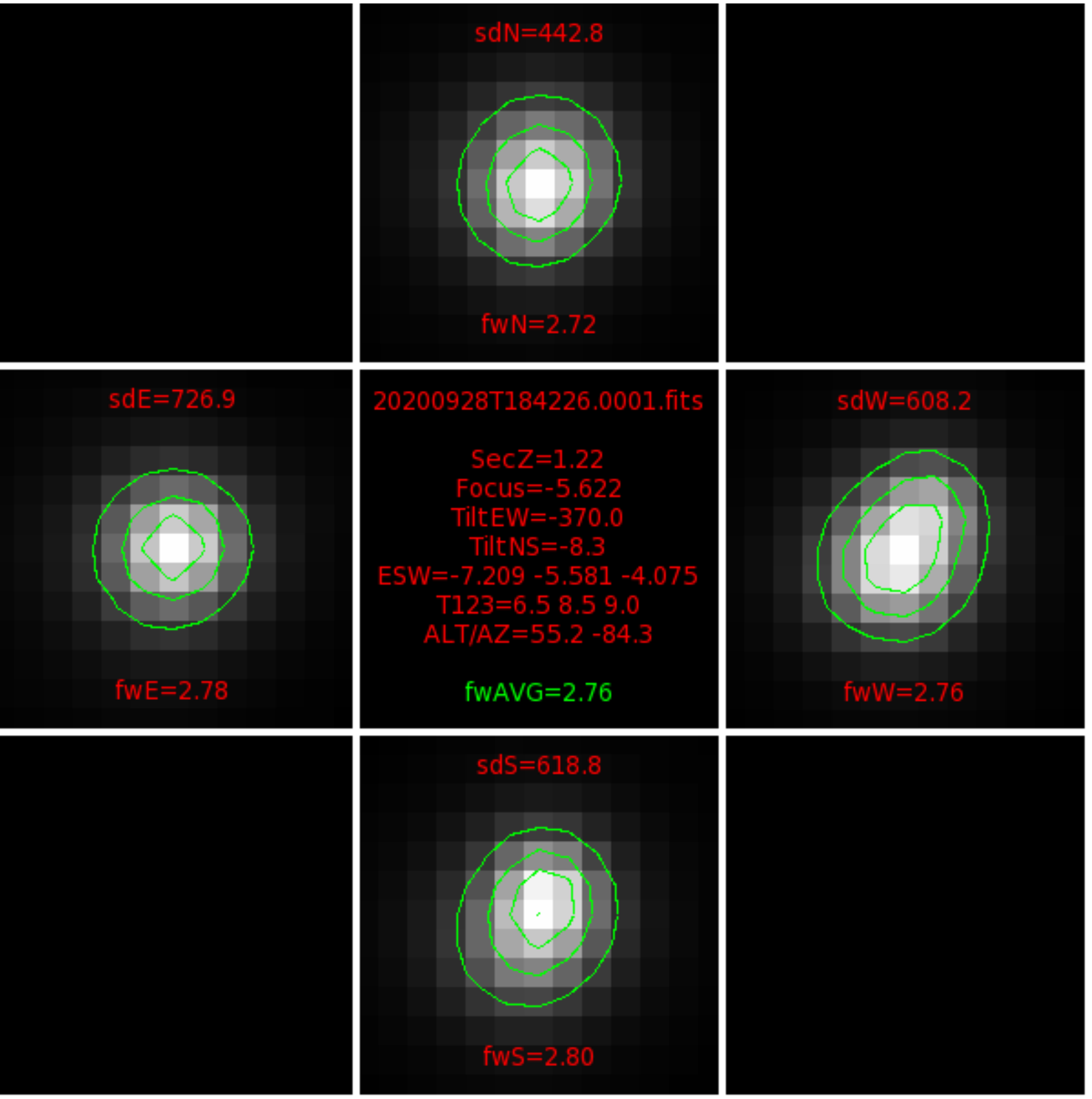
sdN=442.8
fwN=2.72
sdE=726.9
fwE=2.78
20200928T184226.0001.fits
SecZ=1.22
Focus=-5.622
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.209 -5.581 -4.075
T123=6.5 8.5 9.0
ALT/AZ=55.2 -84.3
fwAVG=2.76
sdW=608.2
fwW=2.76
sdS=618.8
fwS=2.80
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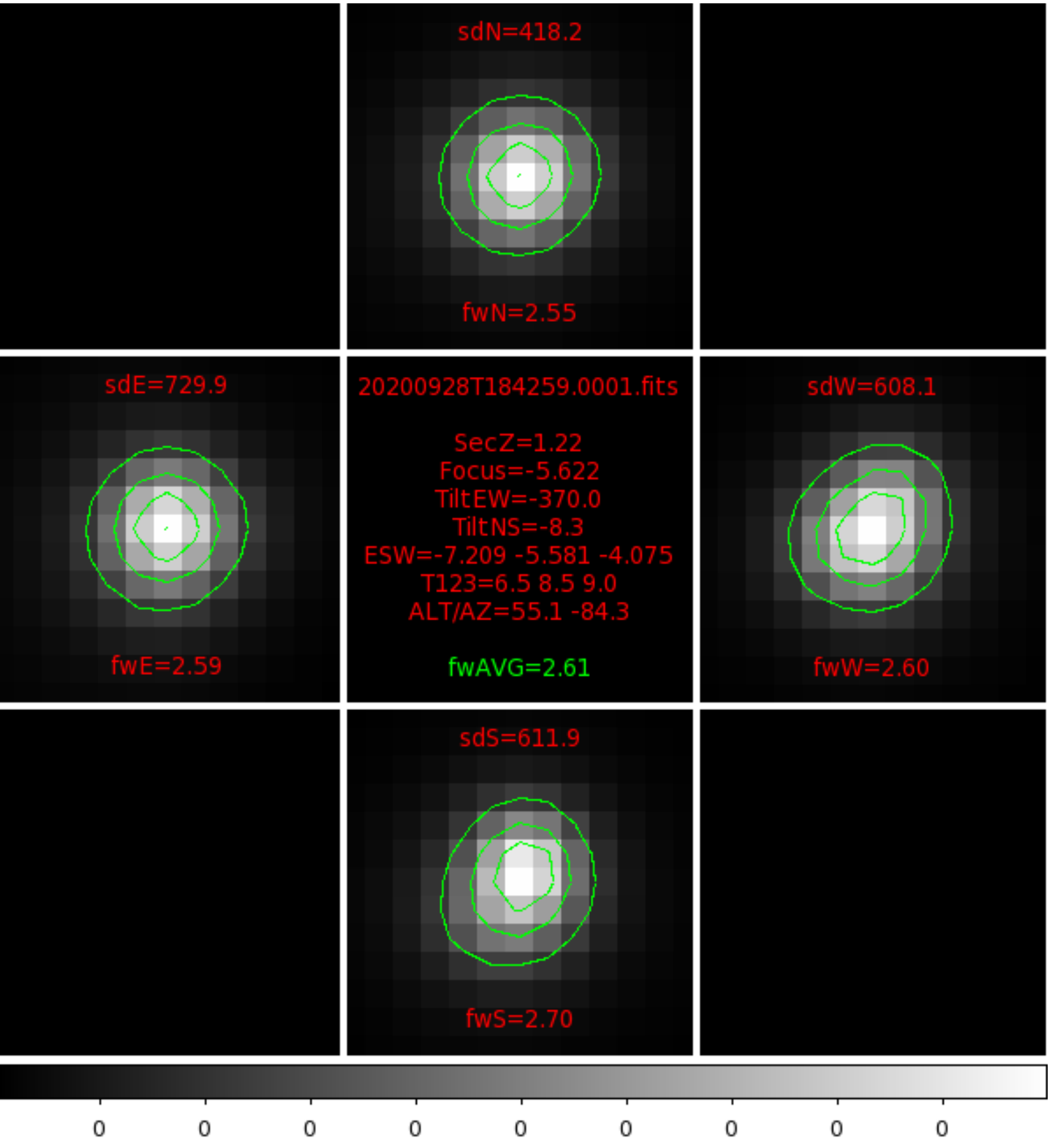
sdN=418.2
fwN=2.55
sdE=729.9
fwE=2.59
20200928T184259.0001.fits
SecZ=1.22
Focus=-5.622
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.209 -5.581 -4.075
T123=6.5 8.5 9.0
ALT/AZ=55.1 -84.3
fwAVG=2.61
sdW=608.1
fwW=2.60
sdS=611.9
fwS=2.70
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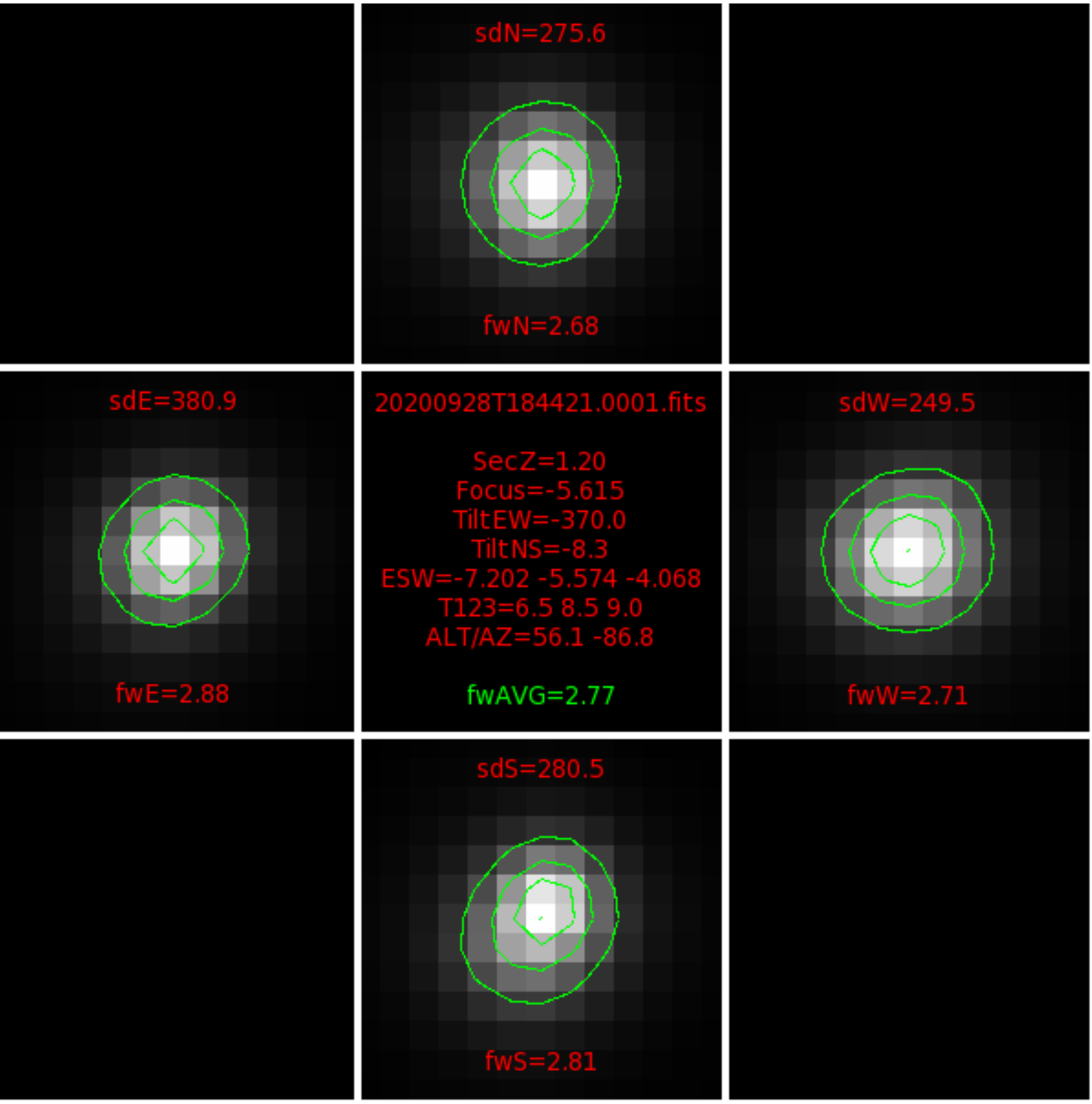
sdN=275.6
fwN=2.68
sdE=380.9
fwE=2.88
20200928T184421.0001.fits
SecZ=1.20
Focus=-5.615
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.202 -5.574 -4.068
T123=6.5 8.5 9.0
ALT/AZ=56.1 -86.8
fwAVG=2.77
sdW=249.5
fwW=2.71
sdS=280.5
fwS=2.81
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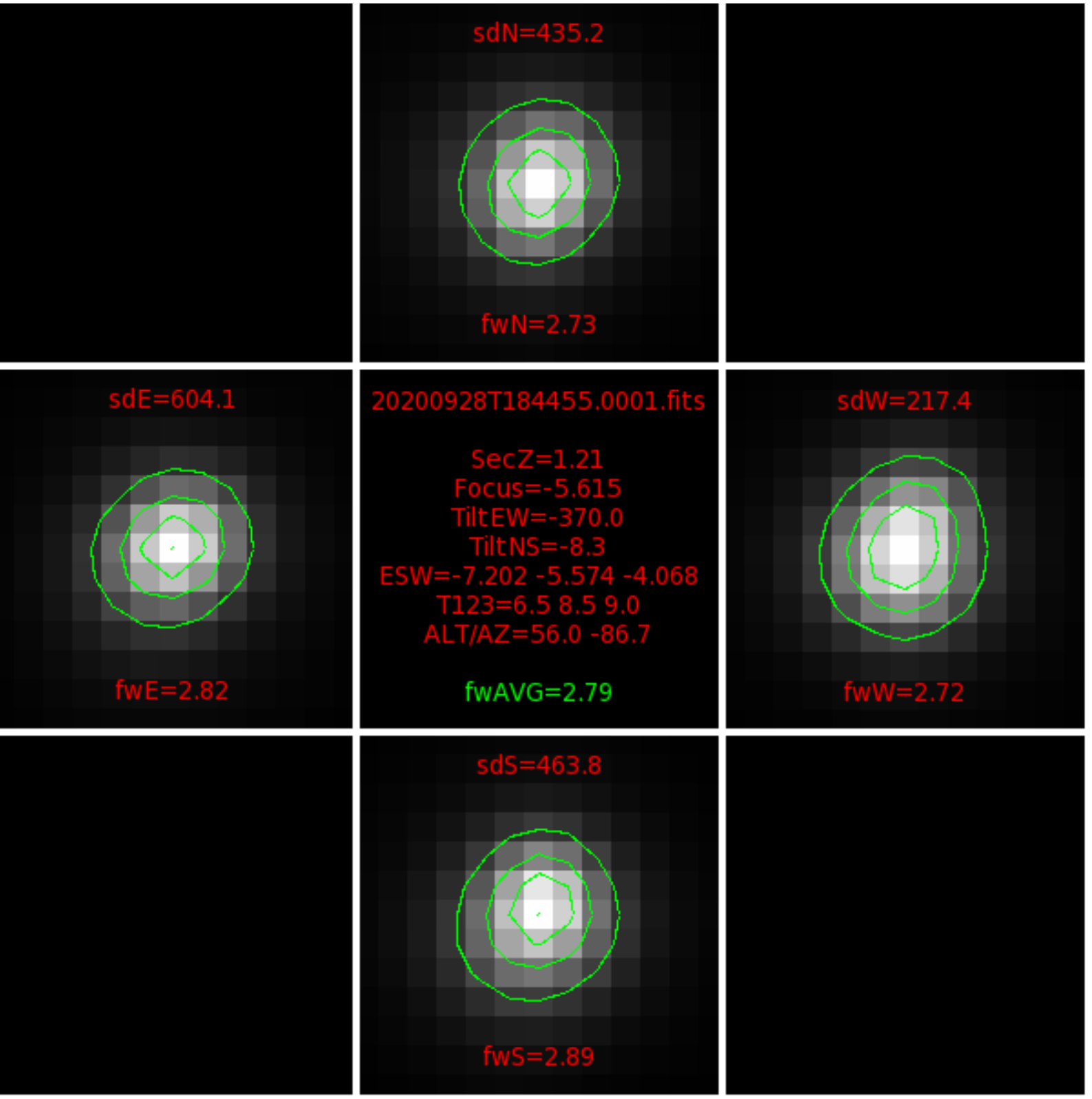
sdN=435.2
fwN=2.73
sdE=604.1
fwE=2.82
20200928T184455.0001.fits
SecZ=1.21
Focus=-5.615
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.202 -5.574 -4.068
T123=6.5 8.5 9.0
ALT/AZ=56.0 -86.7
fwAVG=2.79
sdW=217.4
fwW=2.72
sdS=463.8
fwS=2.89
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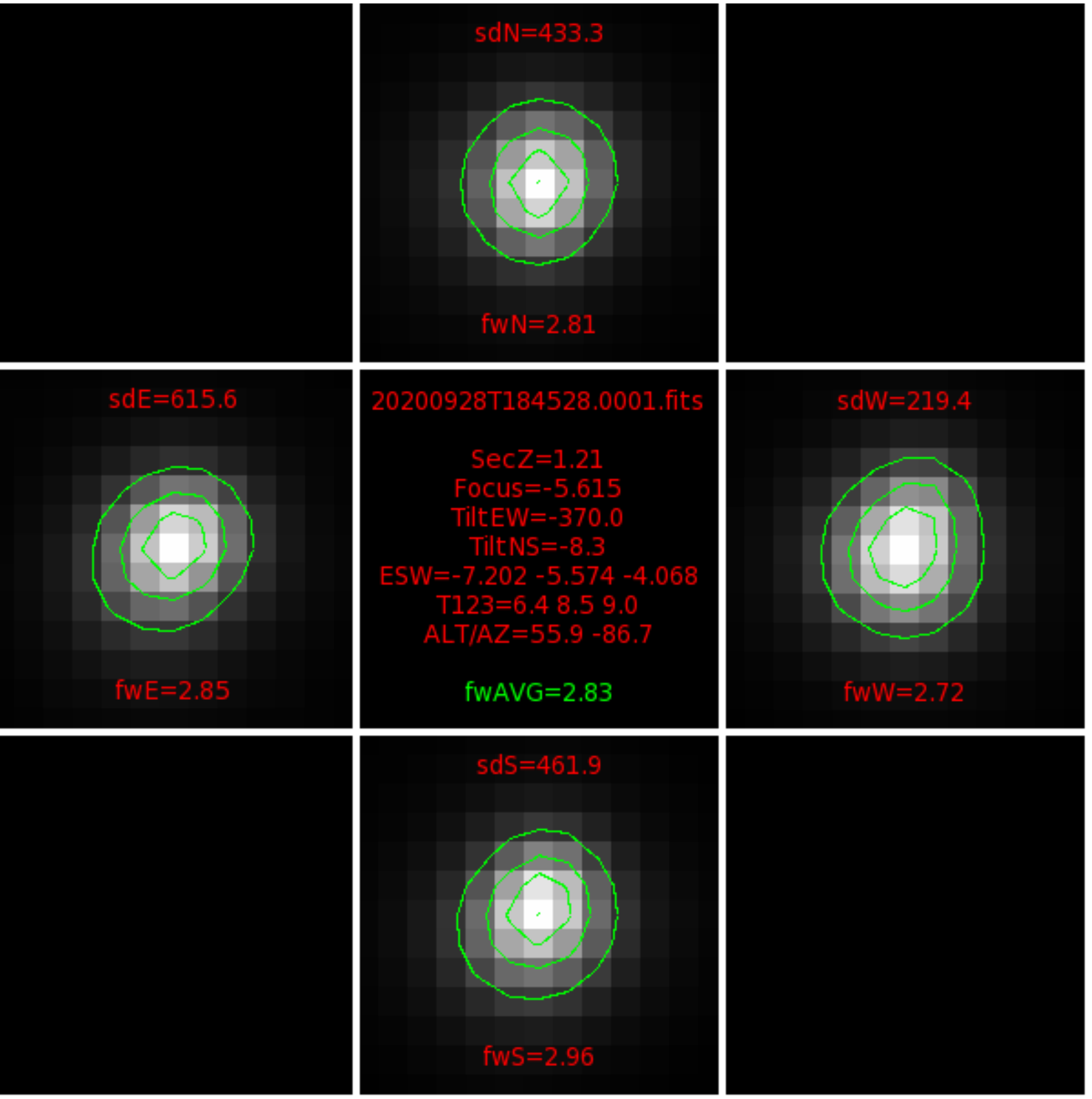
sdN=433.3
fwN=2.81
sdE=615.6
fwE=2.85
20200928T184528.0001.fits
SecZ=1.21
Focus=-5.615
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.202 -5.574 -4.068
T123=6.4 8.5 9.0
ALT/AZ=55.9 -86.7
fwAVG=2.83
sdW=219.4
fwW=2.72
sdS=461.9
fwS=2.96
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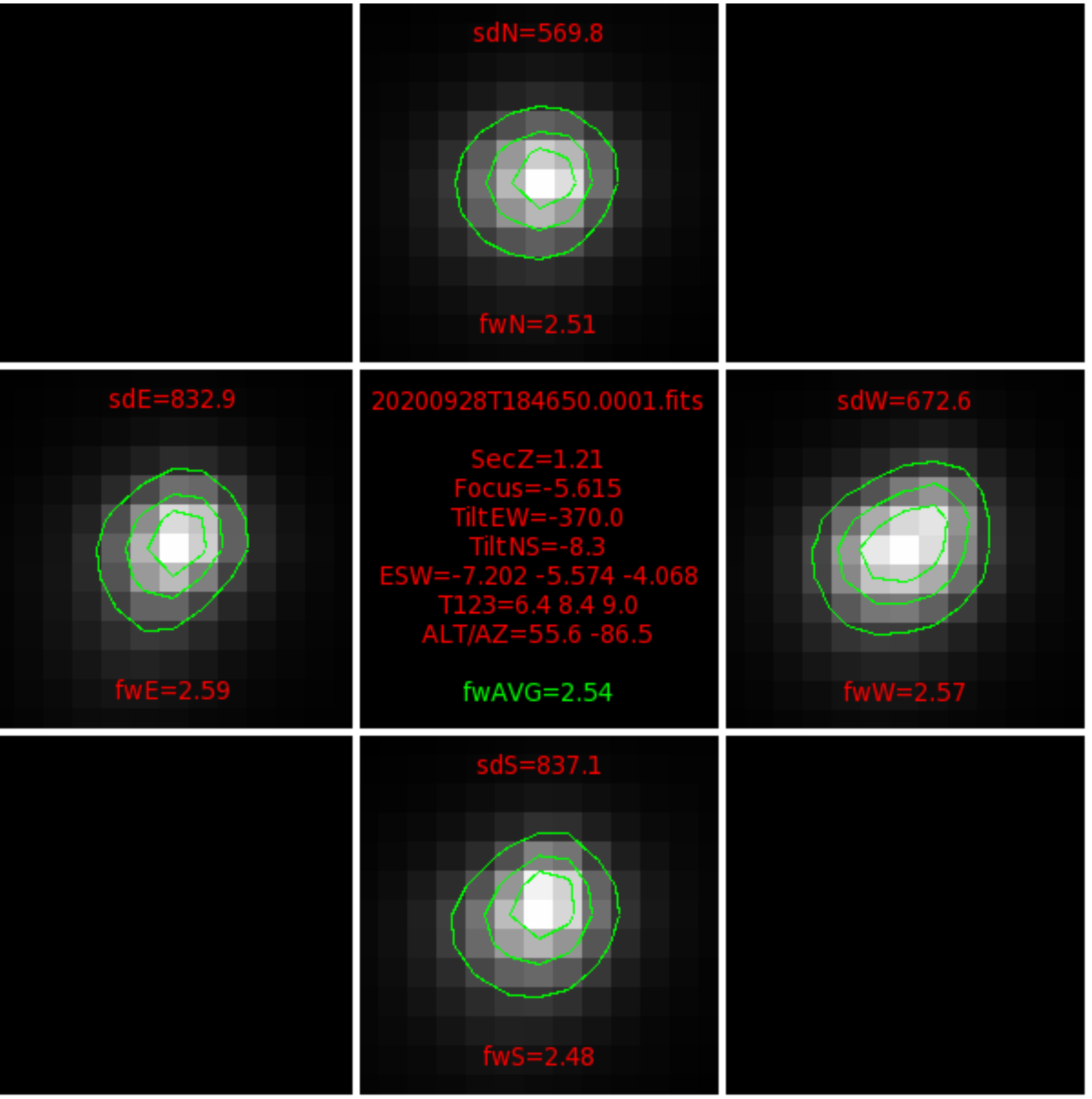
sdN=569.8
fwN=2.51
sdE=832.9
fwE=2.59
20200928T184650.0001.fits
SecZ=1.21
Focus=-5.615
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.202 -5.574 -4.068
T123=6.4 8.4 9.0
ALT/AZ=55.6 -86.5
fwAVG=2.54
sdW=672.6
fwW=2.57
sdS=837.1
fwS=2.48
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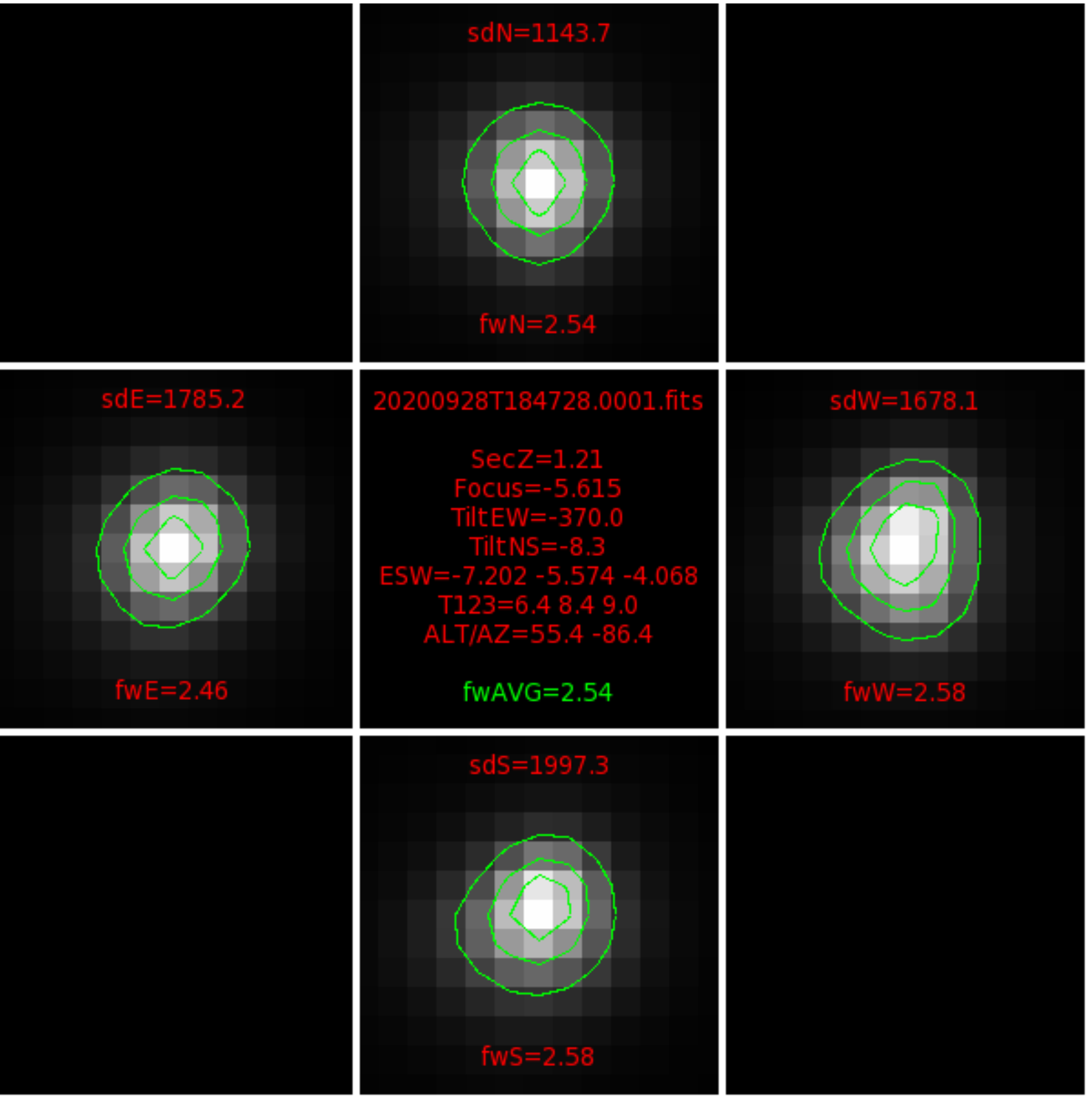
sdN=1143.7
fwN=2.54
sdE=1785.2
fwE=2.46
20200928T184728.0001.fits
SecZ=1.21
Focus=-5.615
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.202 -5.574 -4.068
T123=6.4 8.4 9.0
ALT/AZ=55.4 -86.4
fwAVG=2.54
sdW=1678.1
fwW=2.58
sdS=1997.3
fwS=2.58
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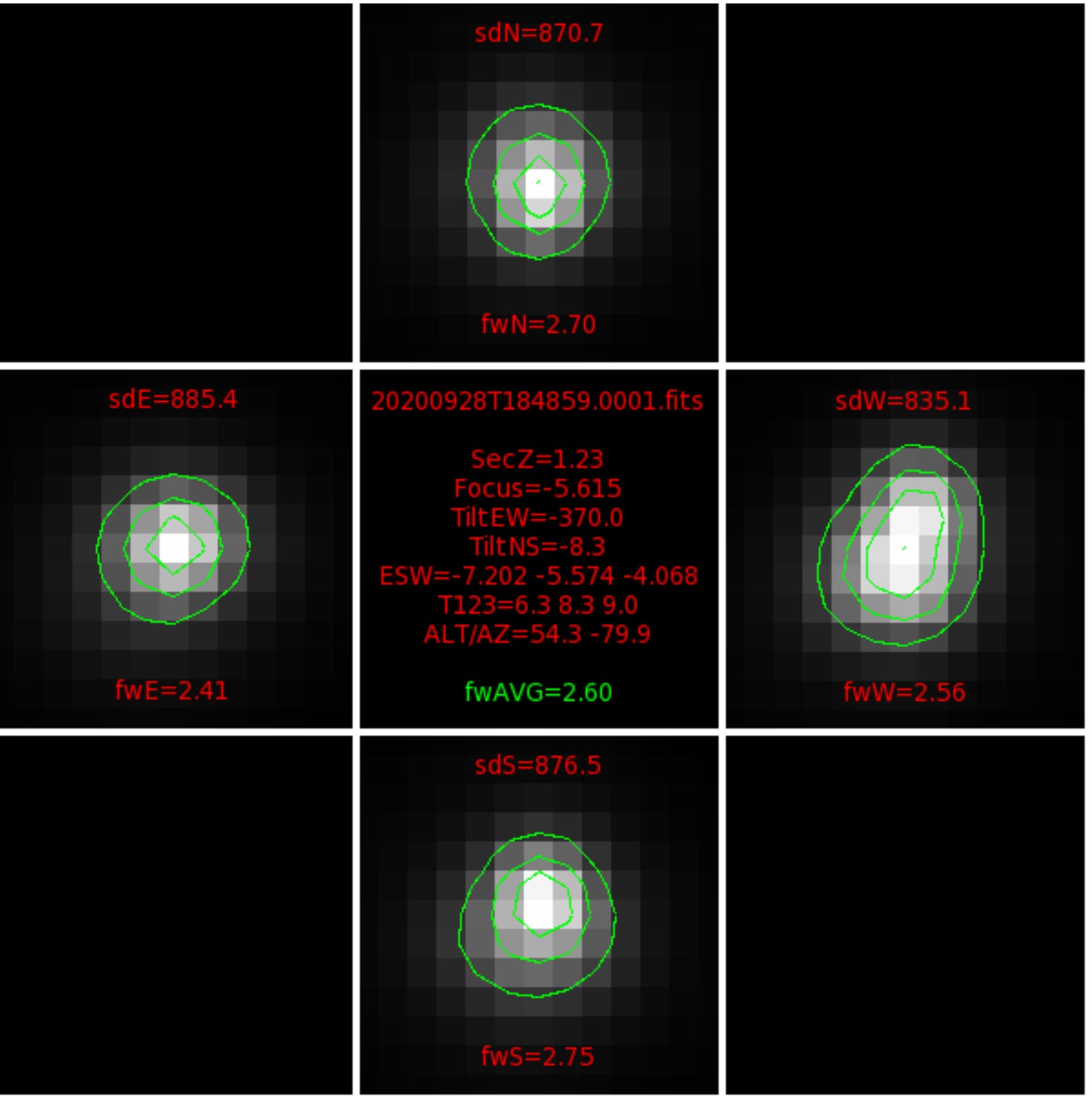
sdN=870.7
fwN=2.70
sdE=885.4
fwE=2.41
20200928T184859.0001.fits
SecZ=1.23
Focus=-5.615
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.202 -5.574 -4.068
T123=6.3 8.3 9.0
ALT/AZ=54.3 -79.9
fwAVG=2.60
sdW=835.1
fwW=2.56
sdS=876.5
fwS=2.75
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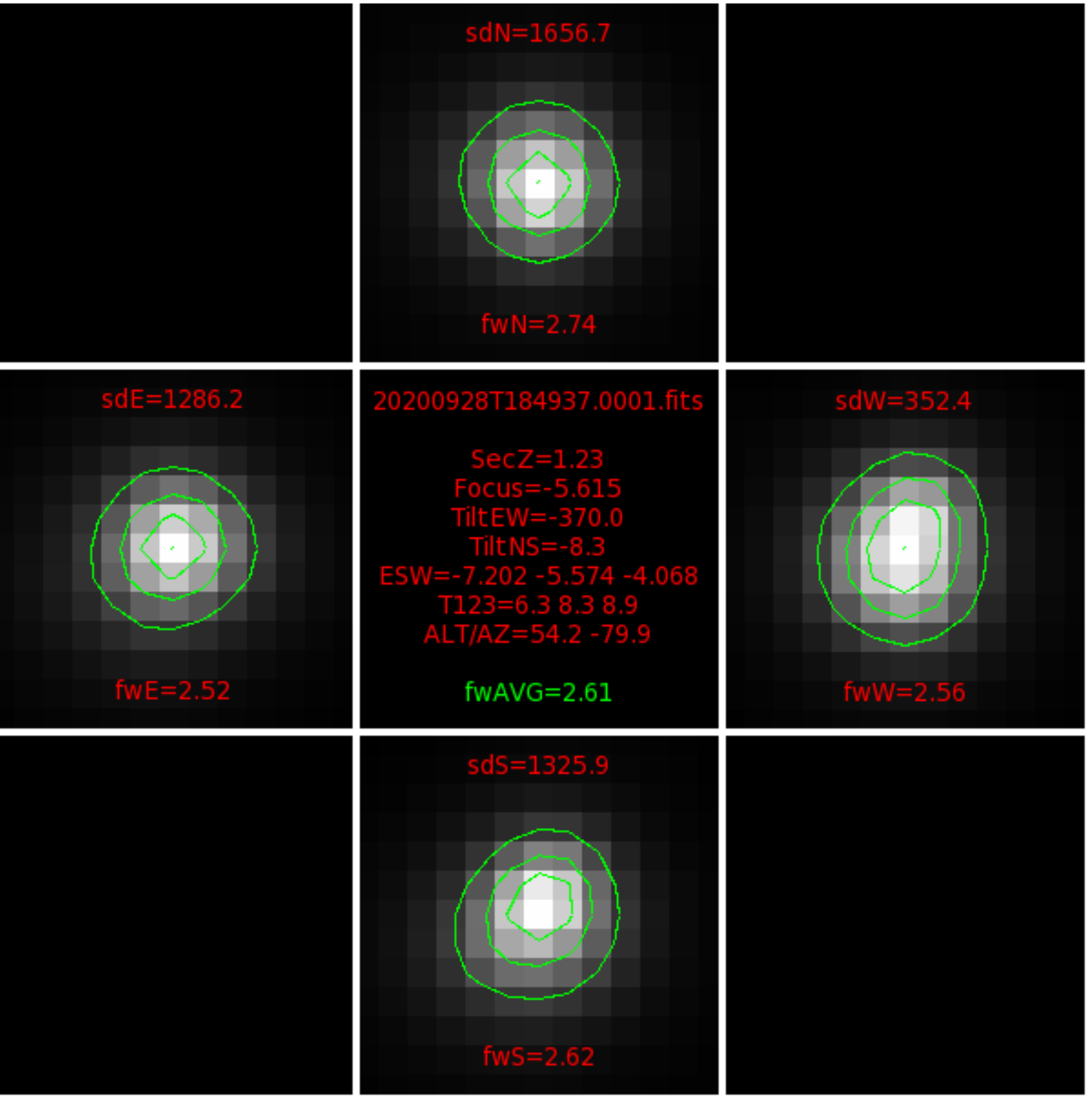
sdN=1656.7
fwN=2.74
sdE=1286.2
fwE=2.52
20200928T184937.0001.fits
SecZ=1.23
Focus=-5.615
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.202 -5.574 -4.068
T123=6.3 8.3 8.9
ALT/AZ=54.2 -79.9
fwAVG=2.61
sdW=352.4
fwW=2.56
sdS=1325.9
fwS=2.62
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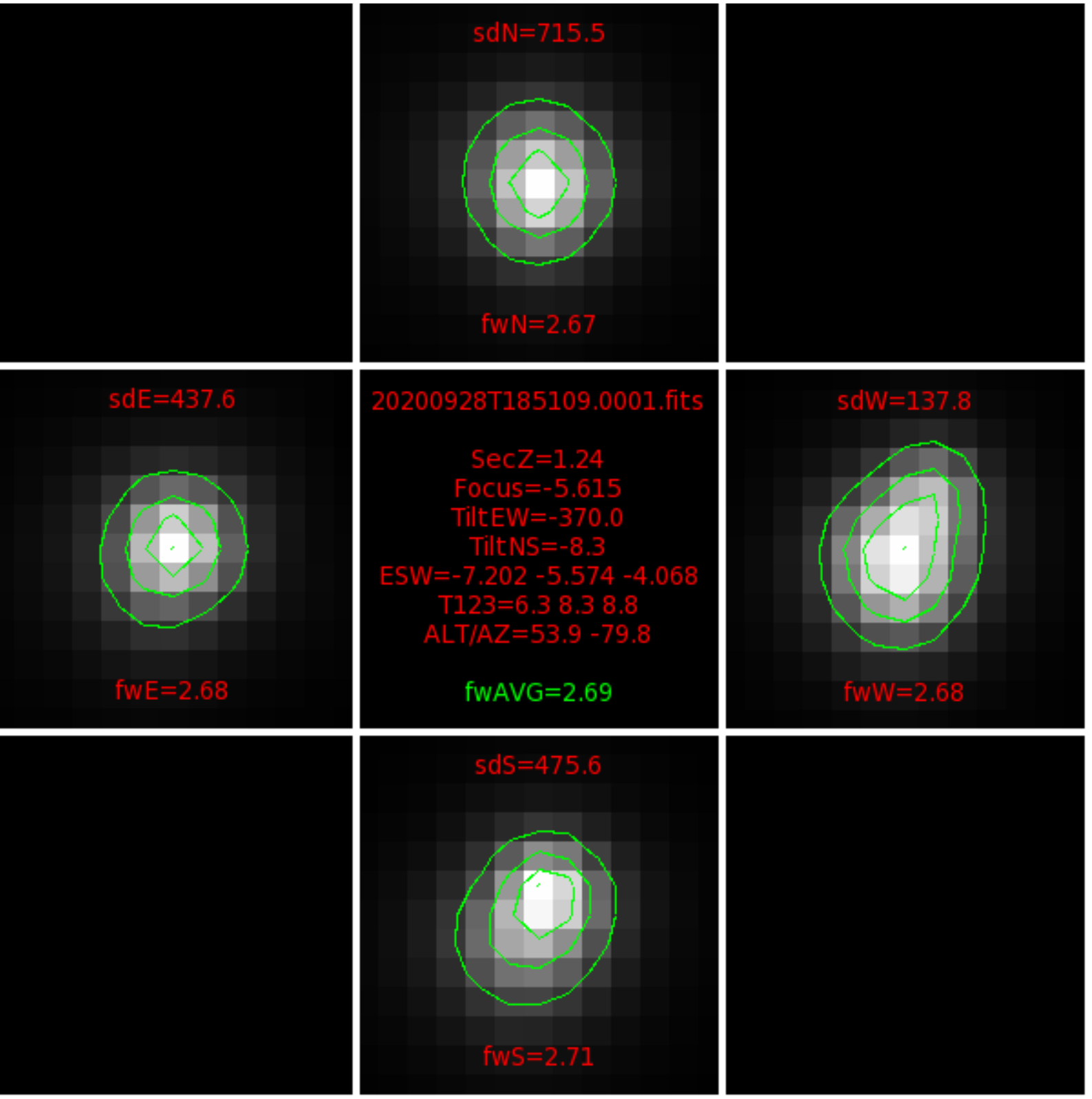
sdN=715.5
fwN=2.67
sdE=437.6
fwE=2.68
20200928T185109.0001.fits
SecZ=1.24
Focus=-5.615
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.202 -5.574 -4.068
T123=6.3 8.3 8.8
ALT/AZ=53.9 -79.8
fwAVG=2.69
sdW=137.8
fwW=2.68
sdS=475.6
fwS=2.71
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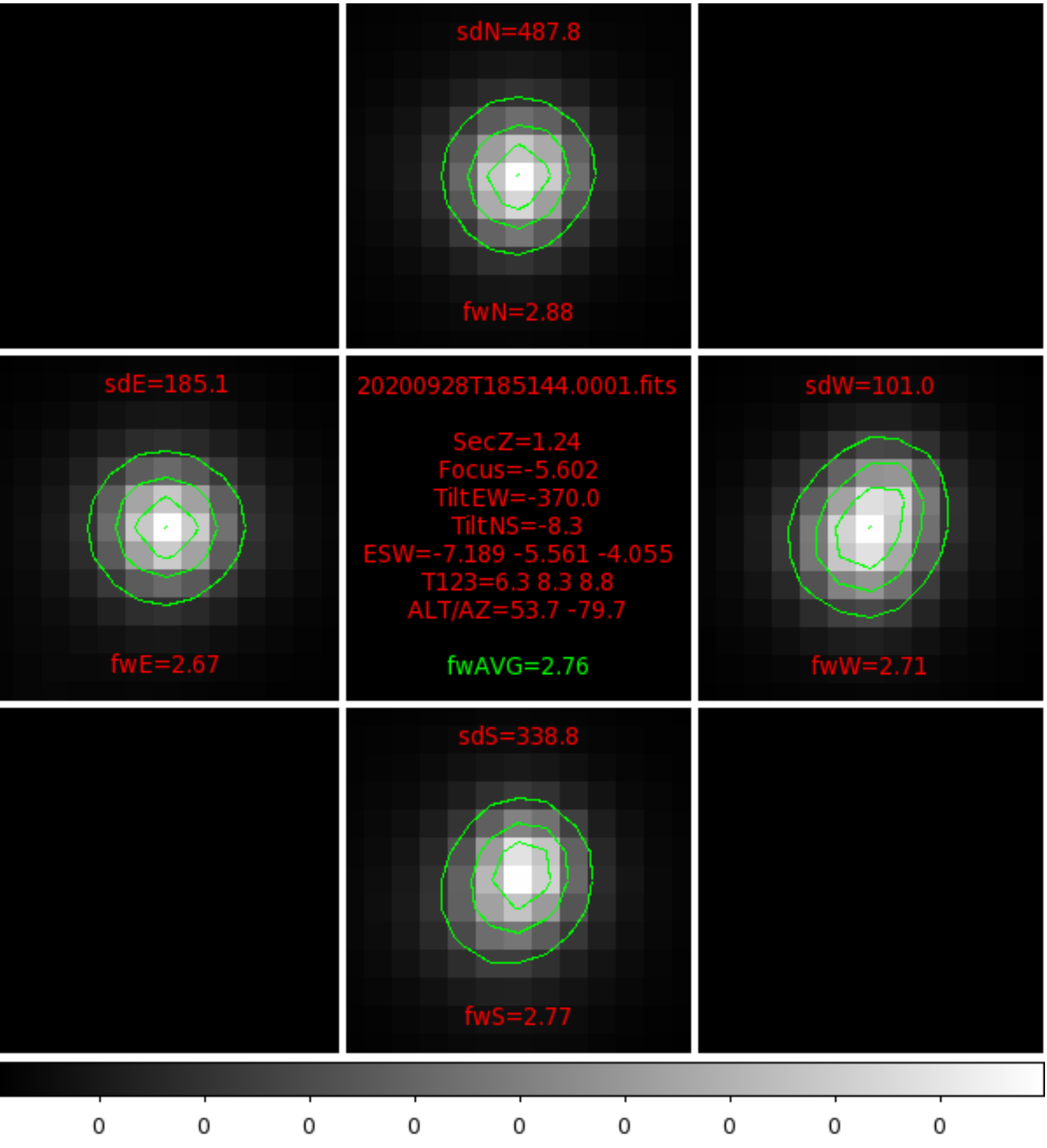
sdN=487.8
fwN=2.88
sdE=185.1
fwE=2.67
20200928T185144.0001.fits
SecZ=1.24
Focus=-5.602
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.189 -5.561 -4.055
T123=6.3 8.3 8.8
ALT/AZ=53.7 -79.7
fwAVG=2.76
sdW=101.0
fwW=2.71
sdS=338.8
fwS=2.77
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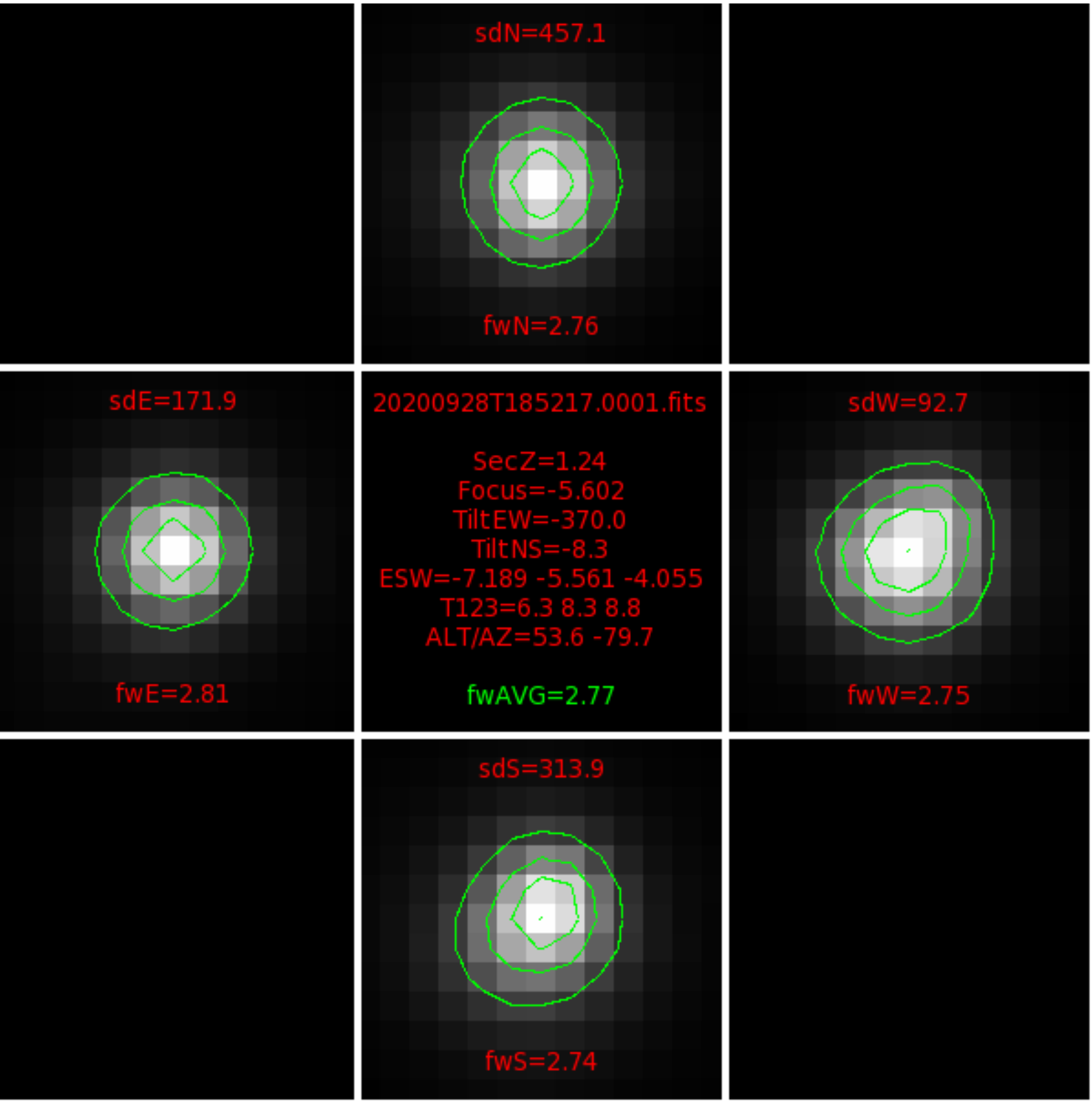
sdN=457.1
fwN=2.76
sdE=171.9
fwE=2.81
20200928T185217.0001.fits
SecZ=1.24
Focus=-5.602
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.189 -5.561 -4.055
T123=6.3 8.3 8.8
ALT/AZ=53.6 -79.7
fwAVG=2.77
sdW=92.7
fwW=2.75
sdS=313.9
fwS=2.74
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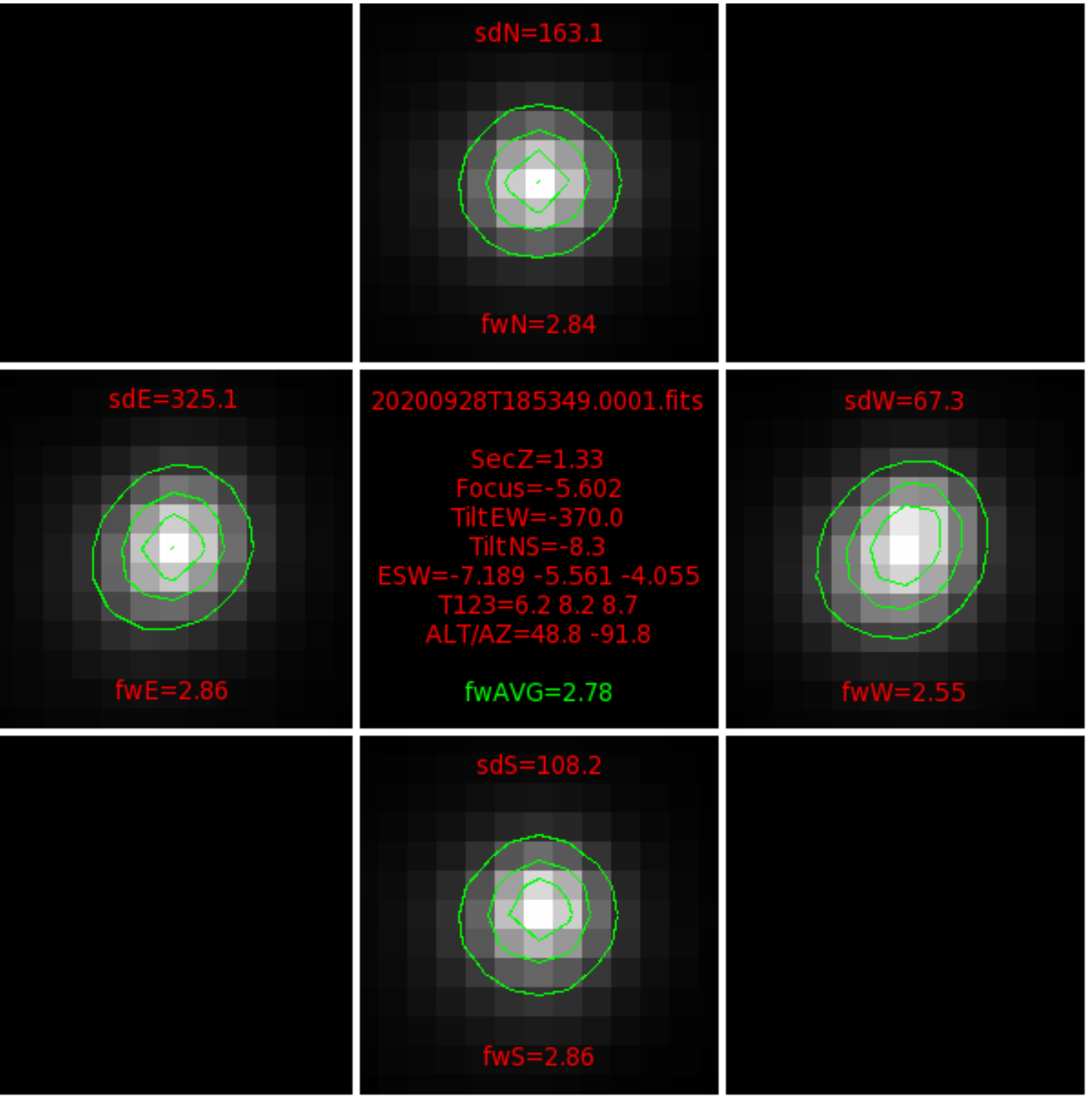
sdN=163.1
fwN=2.84
sdE=325.1
fwE=2.86
20200928T185349.0001.fits
SecZ=1.33
Focus=-5.602
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.189 -5.561 -4.055
T123=6.2 8.2 8.7
ALT/AZ=48.8 -91.8
fwAVG=2.78
sdW=67.3
fwW=2.55
sdS=108.2
fwS=2.86
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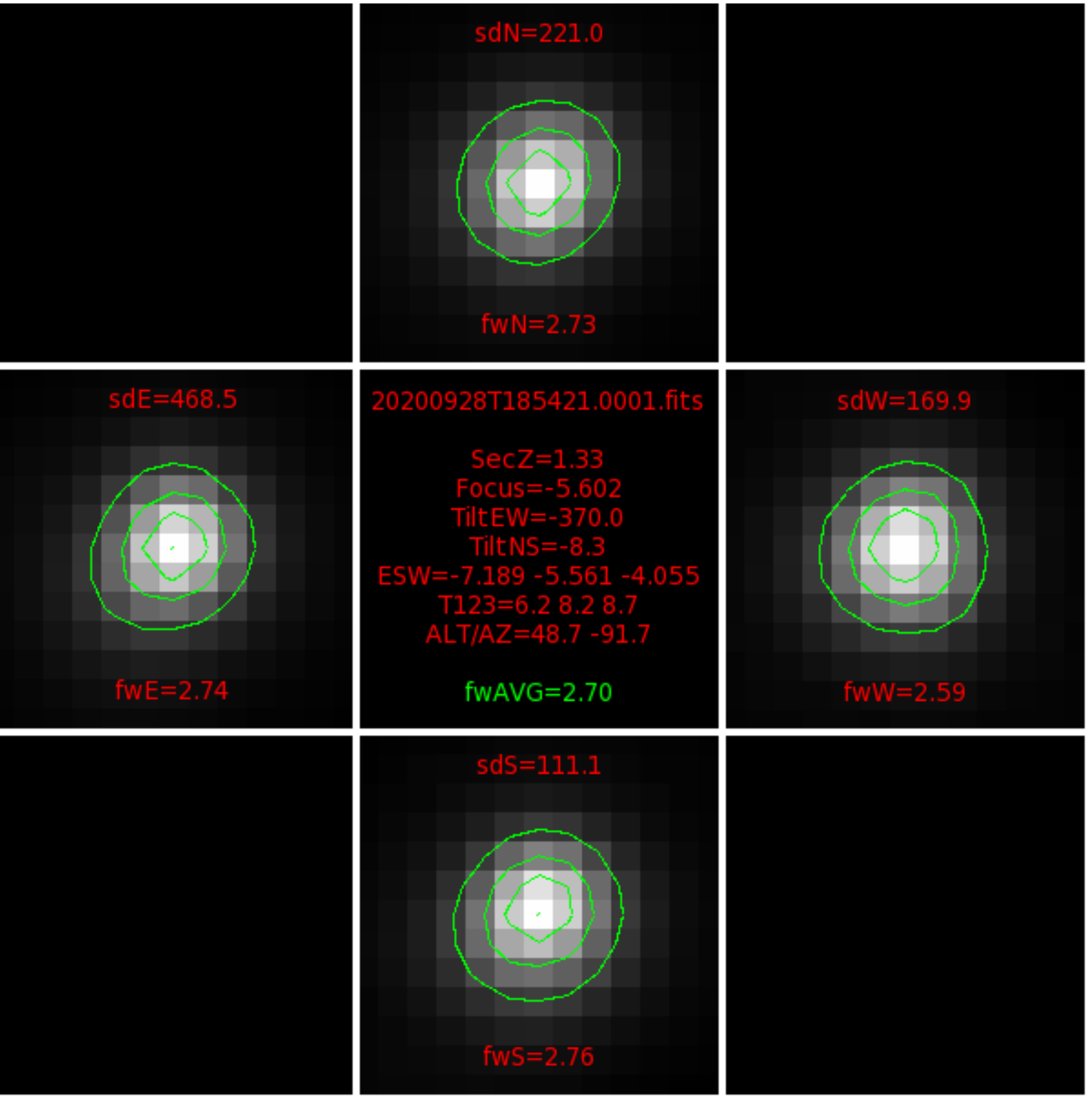
sdN=221.0
fwN=2.73
sdE=468.5
fwE=2.74
20200928T185421.0001.fits
SecZ=1.33
Focus=-5.602
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.189 -5.561 -4.055
T123=6.2 8.2 8.7
ALT/AZ=48.7 -91.7
fwAVG=2.70
sdW=169.9
fwW=2.59
sdS=111.1
fwS=2.76
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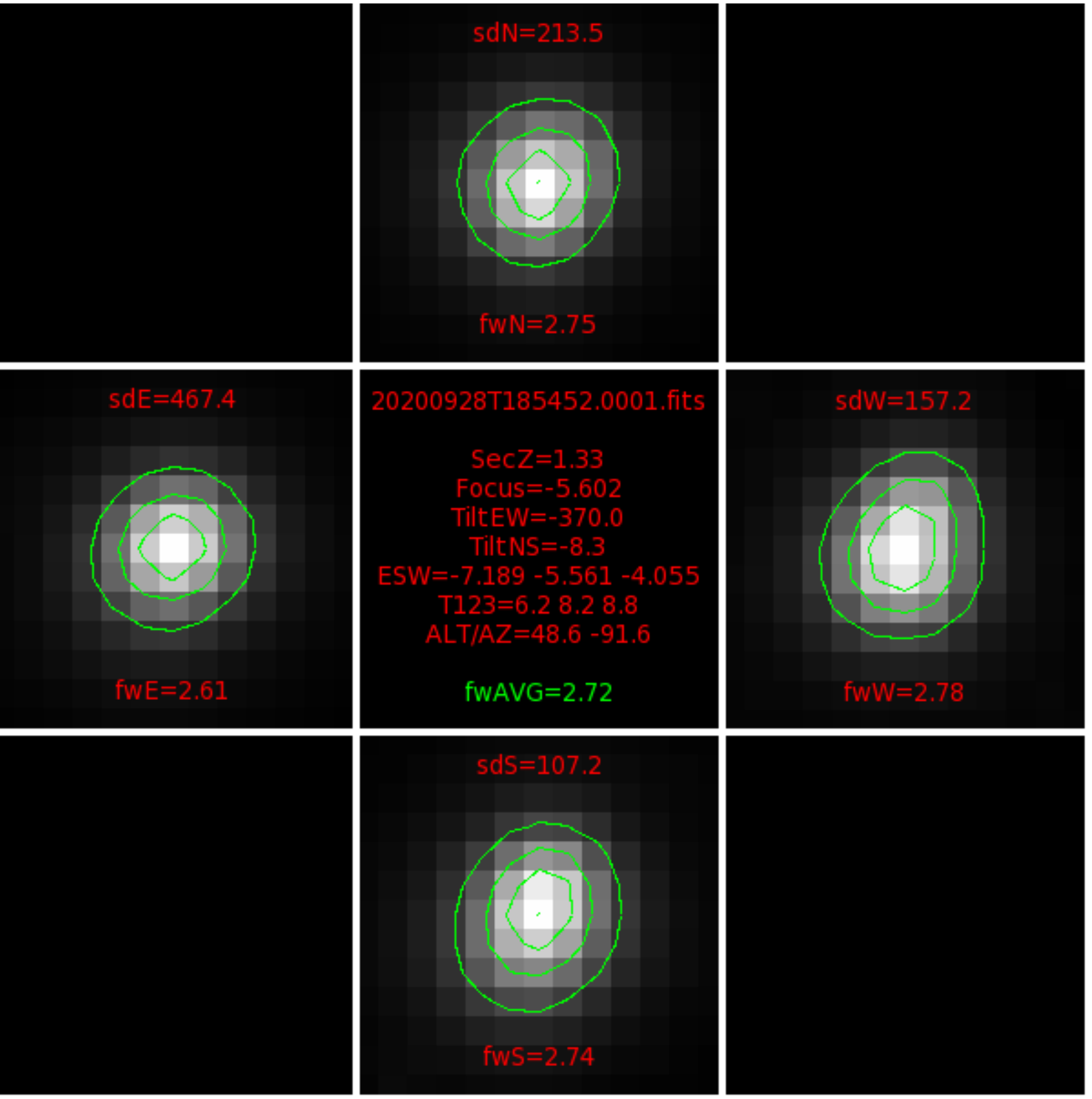
sdN=213.5
fwN=2.75
sdE=467.4
fwE=2.61
20200928T185452.0001.fits
SecZ=1.33
Focus=-5.602
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.189 -5.561 -4.055
T123=6.2 8.2 8.8
ALT/AZ=48.6 -91.6
fwAVG=2.72
sdW=157.2
fwW=2.78
sdS=107.2
fwS=2.74
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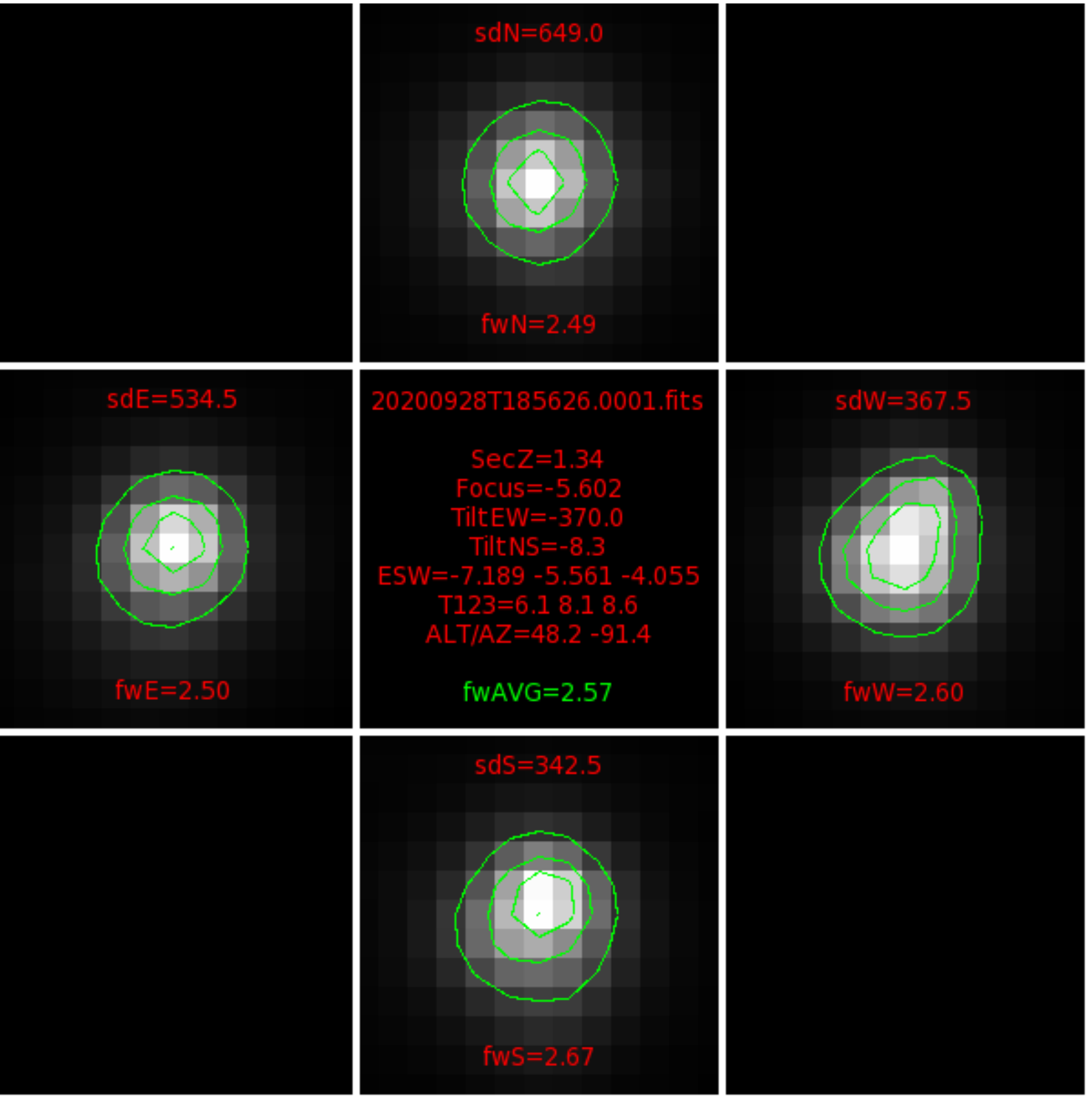
sdN=649.0
fwN=2.49
sdE=534.5
fwE=2.50
20200928T185626.0001.fits
SecZ=1.34
Focus=-5.602
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.189 -5.561 -4.055
T123=6.1 8.1 8.6
ALT/AZ=48.2 -91.4
fwAVG=2.57
sdW=367.5
fwW=2.60
sdS=342.5
fwS=2.67
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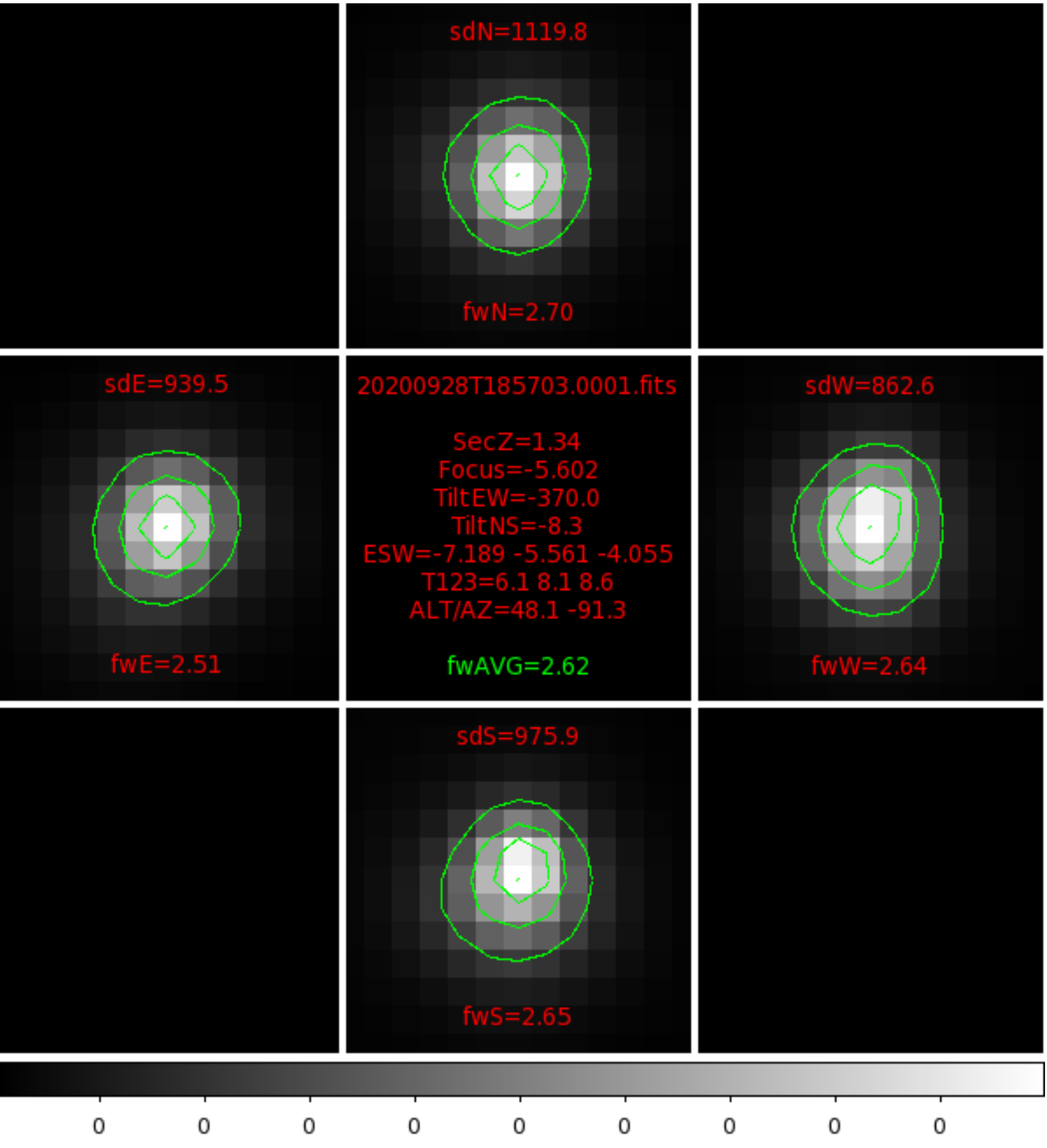
sdN=1119.8
fwN=2.70
sdE=939.5
fwE=2.51
20200928T185703.0001.fits
SecZ=1.34
Focus=-5.602
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.189 -5.561 -4.055
T123=6.1 8.1 8.6
ALT/AZ=48.1 -91.3
fwAVG=2.62
sdW=862.6
fwW=2.64
sdS=975.9
fwS=2.65
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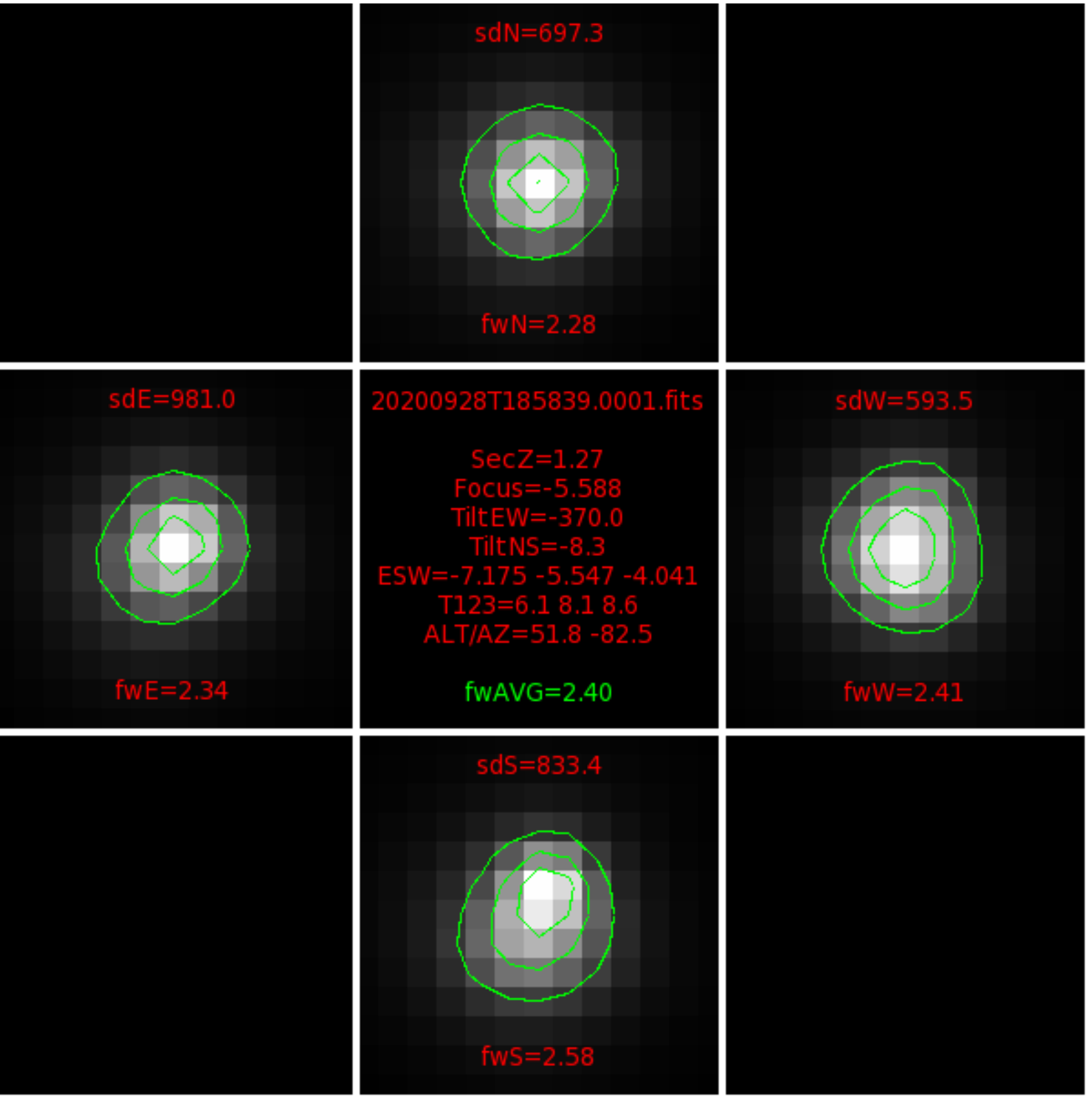
sdN=697.3
fwN=2.28
sdE=981.0
fwE=2.34
20200928T185839.0001.fits
SecZ=1.27
Focus=-5.588
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.175 -5.547 -4.041
T123=6.1 8.1 8.6
ALT/AZ=51.8 -82.5
fwAVG=2.40
sdW=593.5
fwW=2.41
sdS=833.4
fwS=2.58
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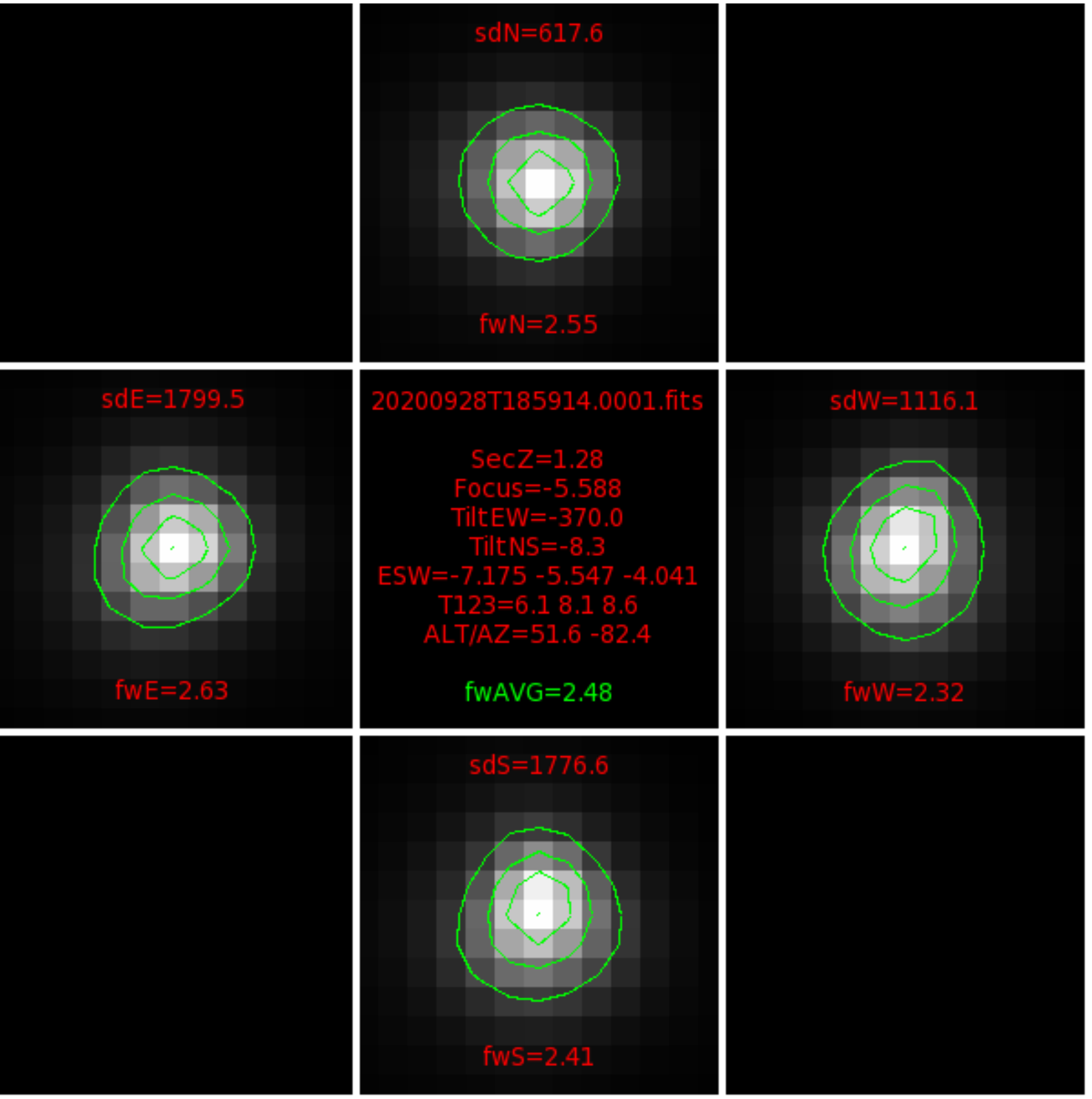
sdN=617.6
fwN=2.55
sdE=1799.5
fwE=2.63
20200928T185914.0001.fits
SecZ=1.28
Focus=-5.588
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.175 -5.547 -4.041
T123=6.1 8.1 8.6
ALT/AZ=51.6 -82.4
fwAVG=2.48
sdW=1116.1
fwW=2.32
sdS=1776.6
fwS=2.41
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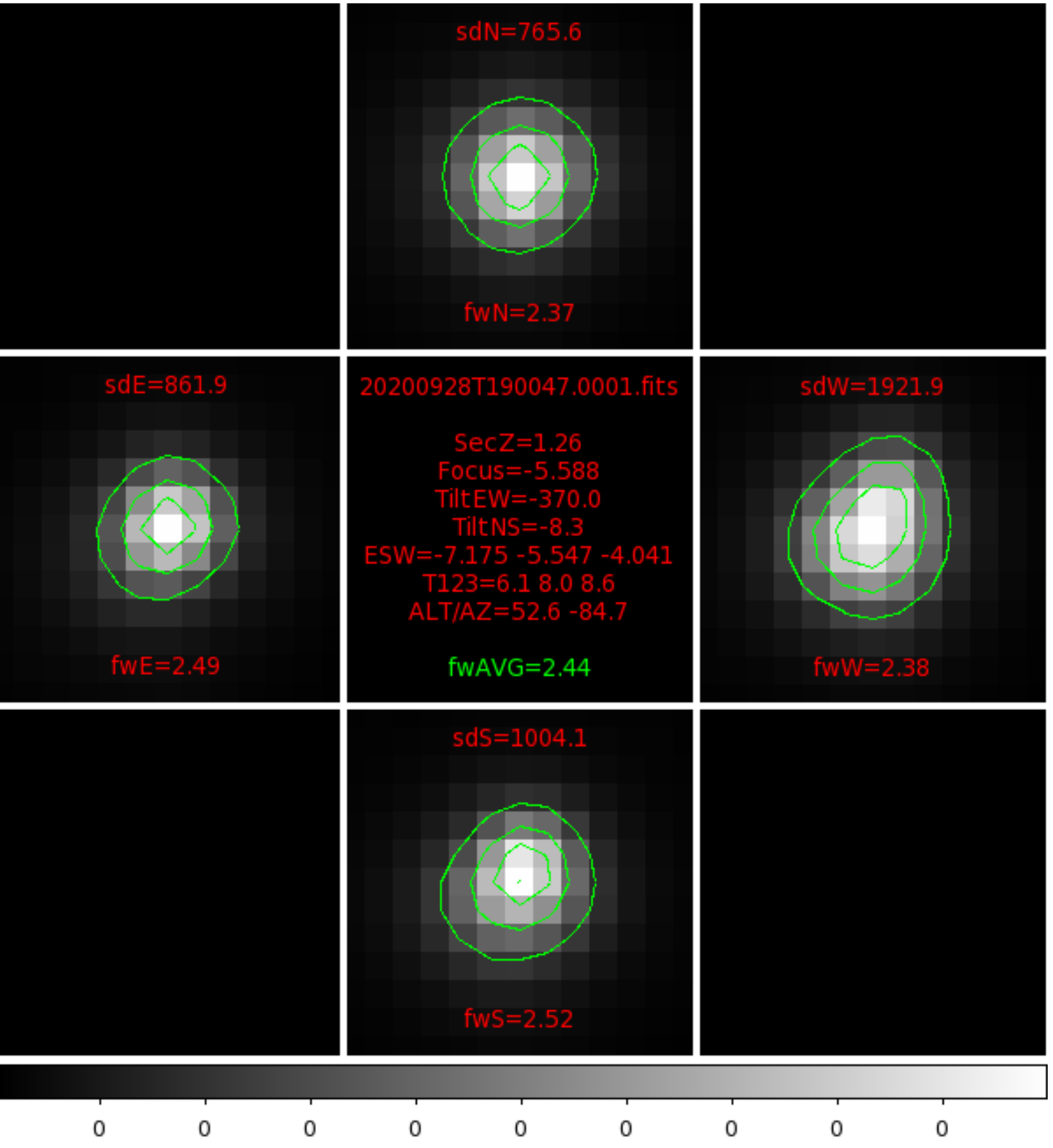
sdN=765.6
fwN=2.37
sdE=861.9
fwE=2.49
20200928T190047.0001.fits
SecZ=1.26
Focus=-5.588
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.175 -5.547 -4.041
T123=6.1 8.0 8.6
ALT/AZ=52.6 -84.7
fwAVG=2.44
sdW=1921.9
fwW=2.38
sdS=1004.1
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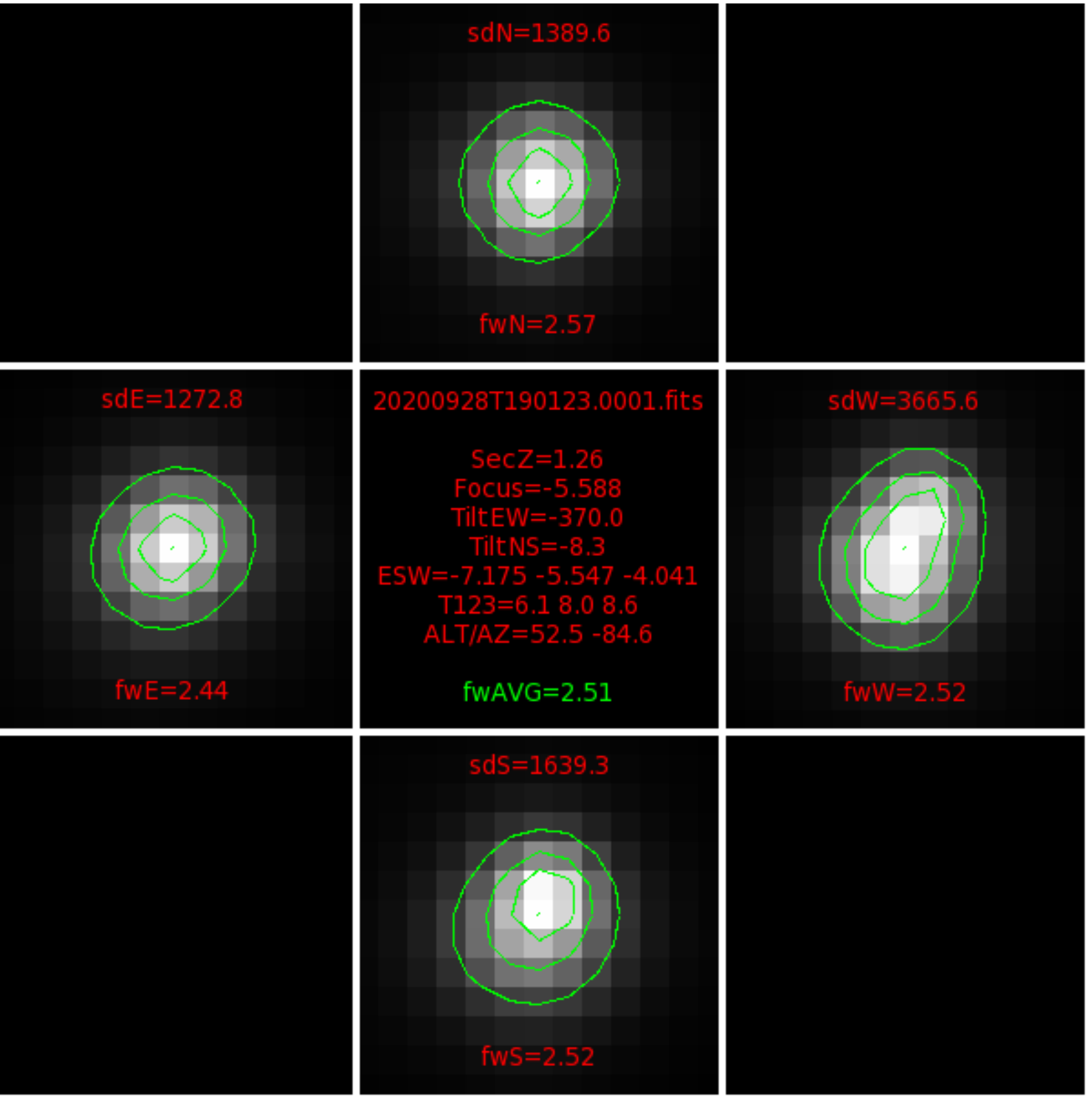
sdN=1389.6
fwN=2.57
sdE=1272.8
fwE=2.44
20200928T190123.0001.fits
SecZ=1.26
Focus=-5.588
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.175 -5.547 -4.041
T123=6.1 8.0 8.6
ALT/AZ=52.5 -84.6
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sdW=3665.6
fwW=2.52
sdS=1639.3
fwS=2.52
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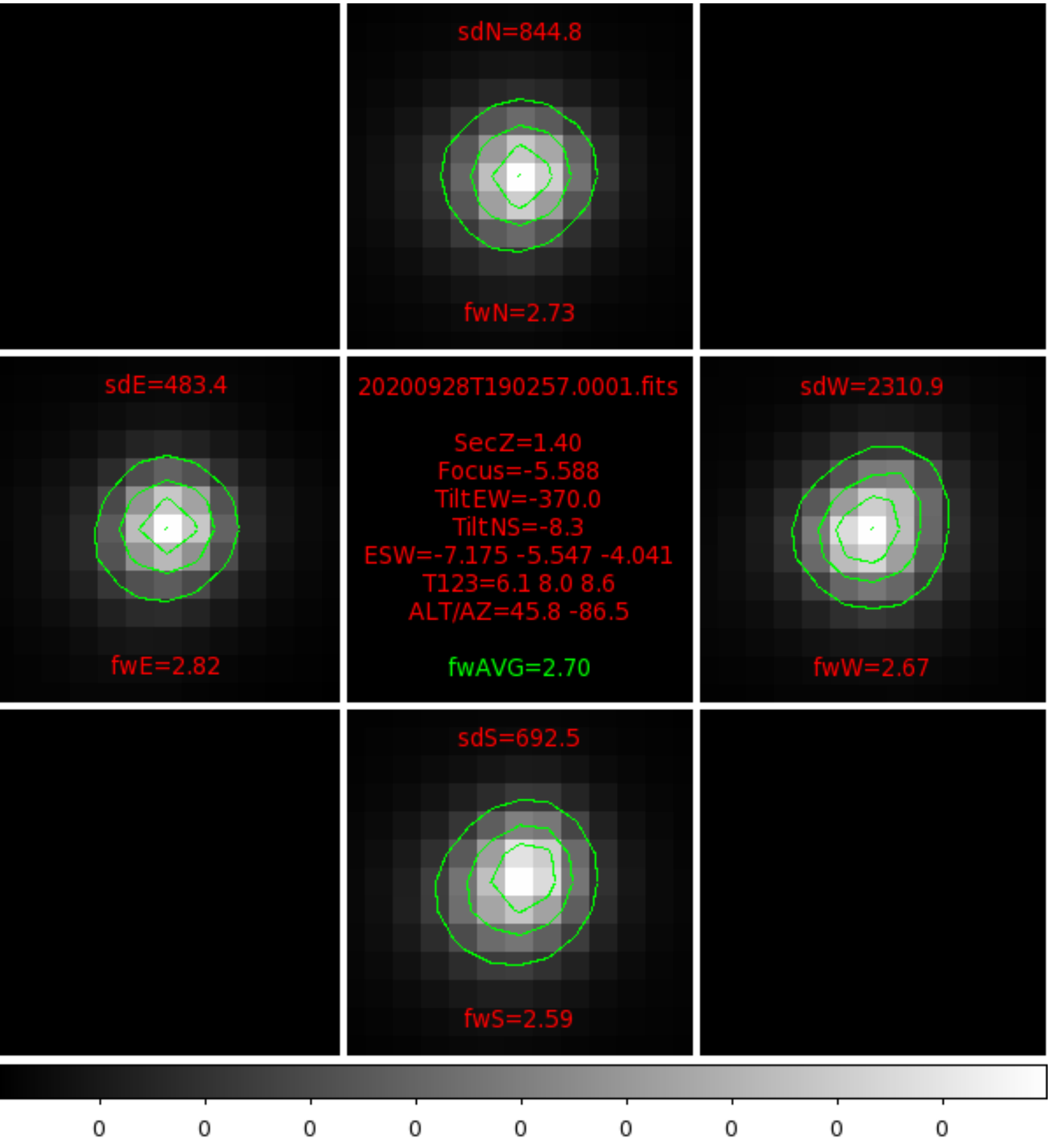
sdN=844.8
fwN=2.73
sdE=483.4
fwE=2.82
20200928T190257.0001.fits
SecZ=1.40
Focus=-5.588
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.175 -5.547 -4.041
T123=6.1 8.0 8.6
ALT/AZ=45.8 -86.5
fwAVG=2.70
sdW=2310.9
fwW=2.67
sdS=692.5
fwS=2.59
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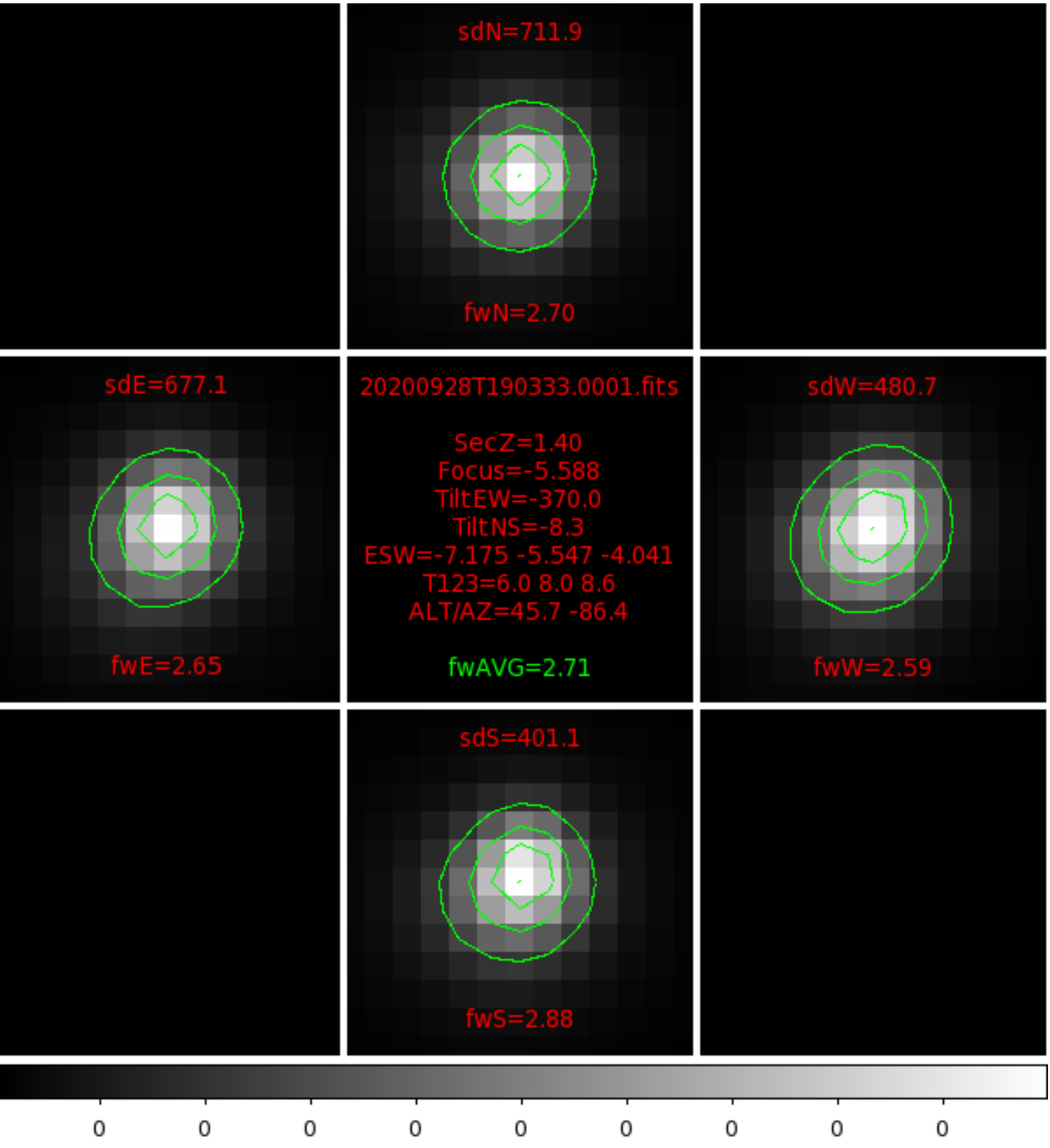
sdN=711.9
fwN=2.70
sdE=677.1
fwE=2.65
20200928T190333.0001.fits
SecZ=1.40
Focus=-5.588
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.175 -5.547 -4.041
T123=6.0 8.0 8.6
ALT/AZ=45.7 -86.4
fwAVG=2.71
sdW=480.7
fwW=2.59
sdS=401.1
fwS=2.88
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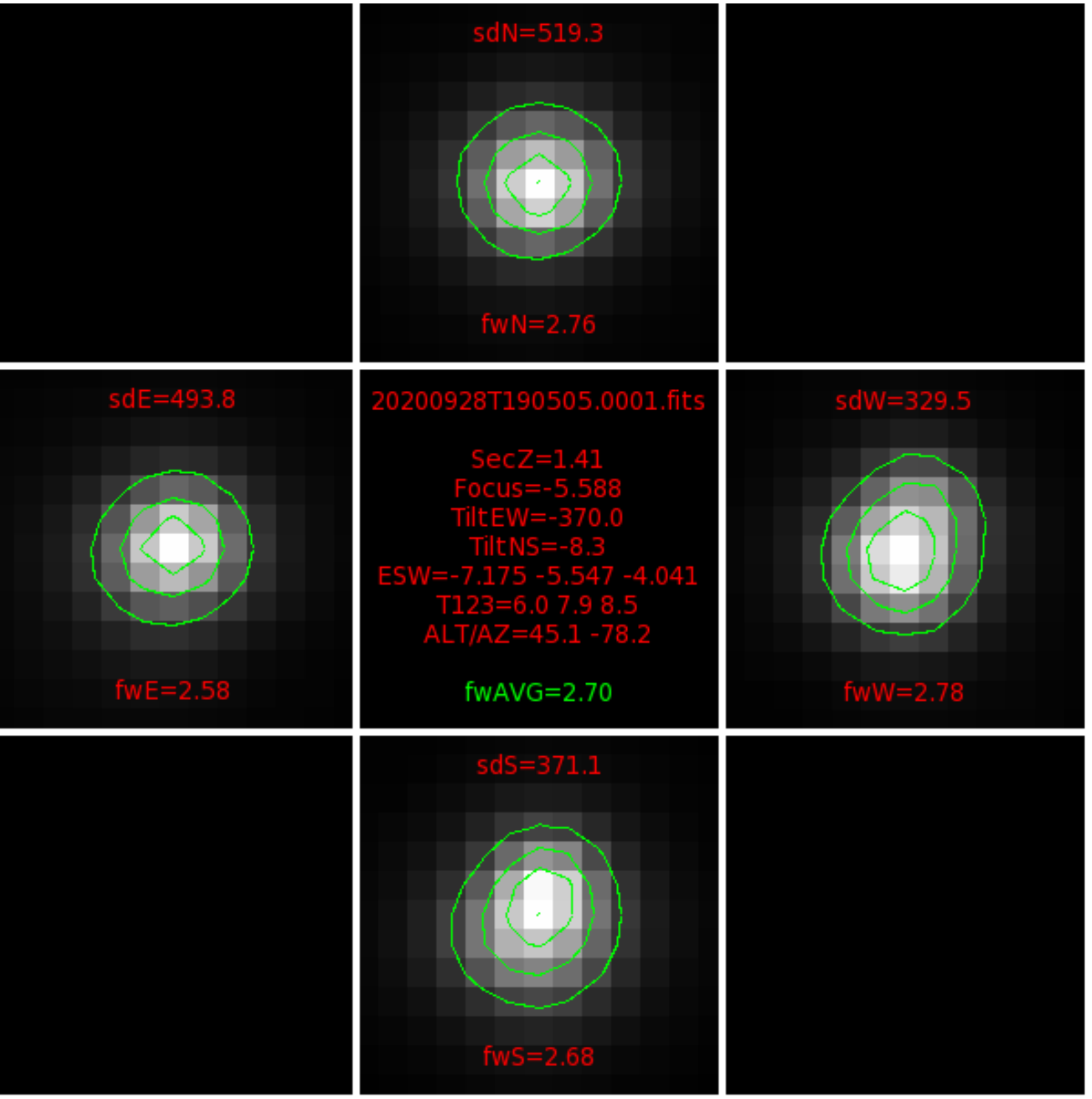
sdN=519.3
fwN=2.76
sdE=493.8
fwE=2.58
20200928T190505.0001.fits
SecZ=1.41
Focus=-5.588
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.175 -5.547 -4.041
T123=6.0 7.9 8.5
ALT/AZ=45.1 -78.2
fwAVG=2.70
sdW=329.5
fwW=2.78
sdS=371.1
fwS=2.68
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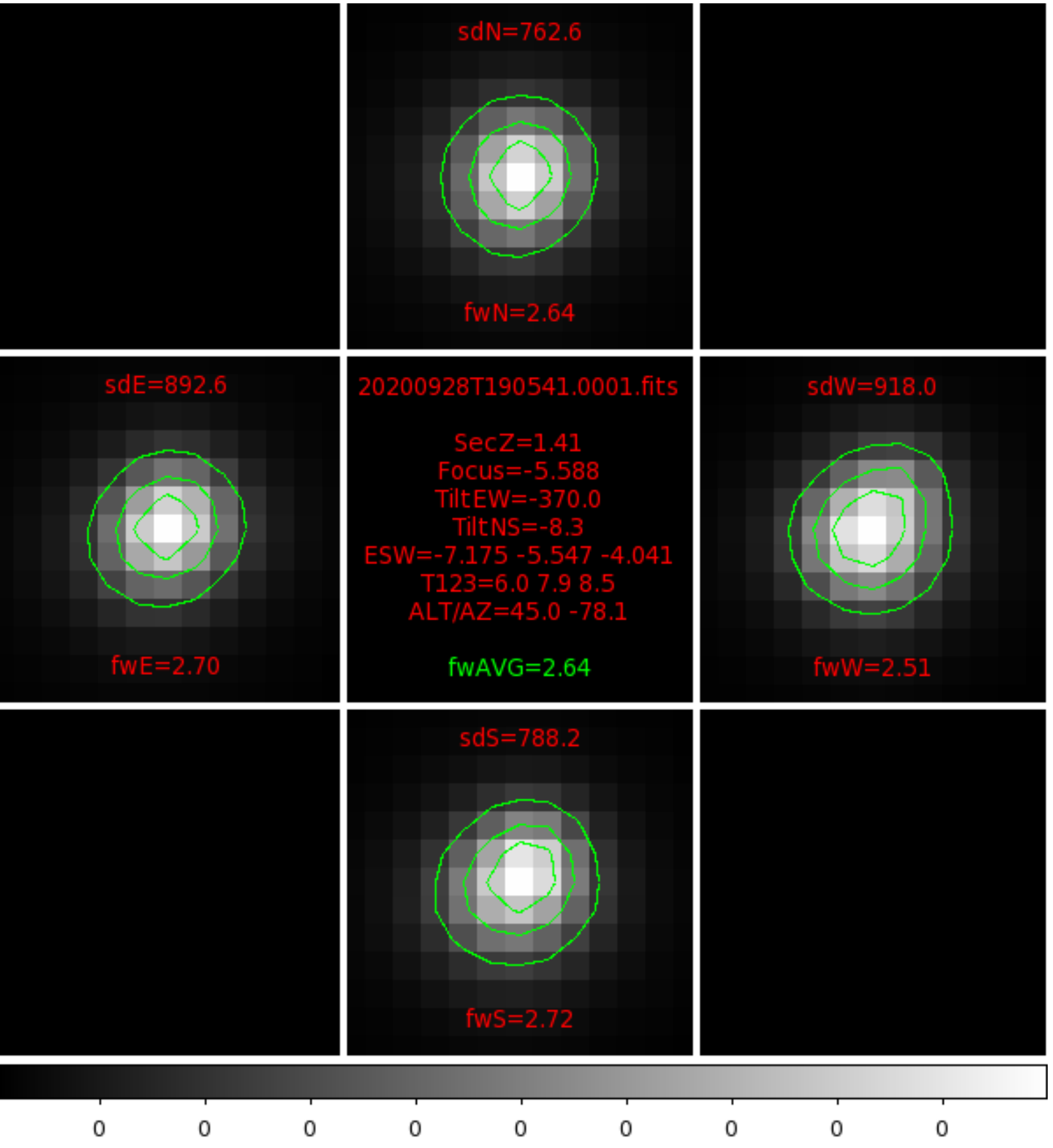
sdN=762.6
fwN=2.64
sdE=892.6
fwE=2.70
20200928T190541.0001.fits
SecZ=1.41
Focus=-5.588
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.175 -5.547 -4.041
T123=6.0 7.9 8.5
ALT/AZ=45.0 -78.1
fwAVG=2.64
sdW=918.0
fwW=2.51
sdS=788.2
fwS=2.72
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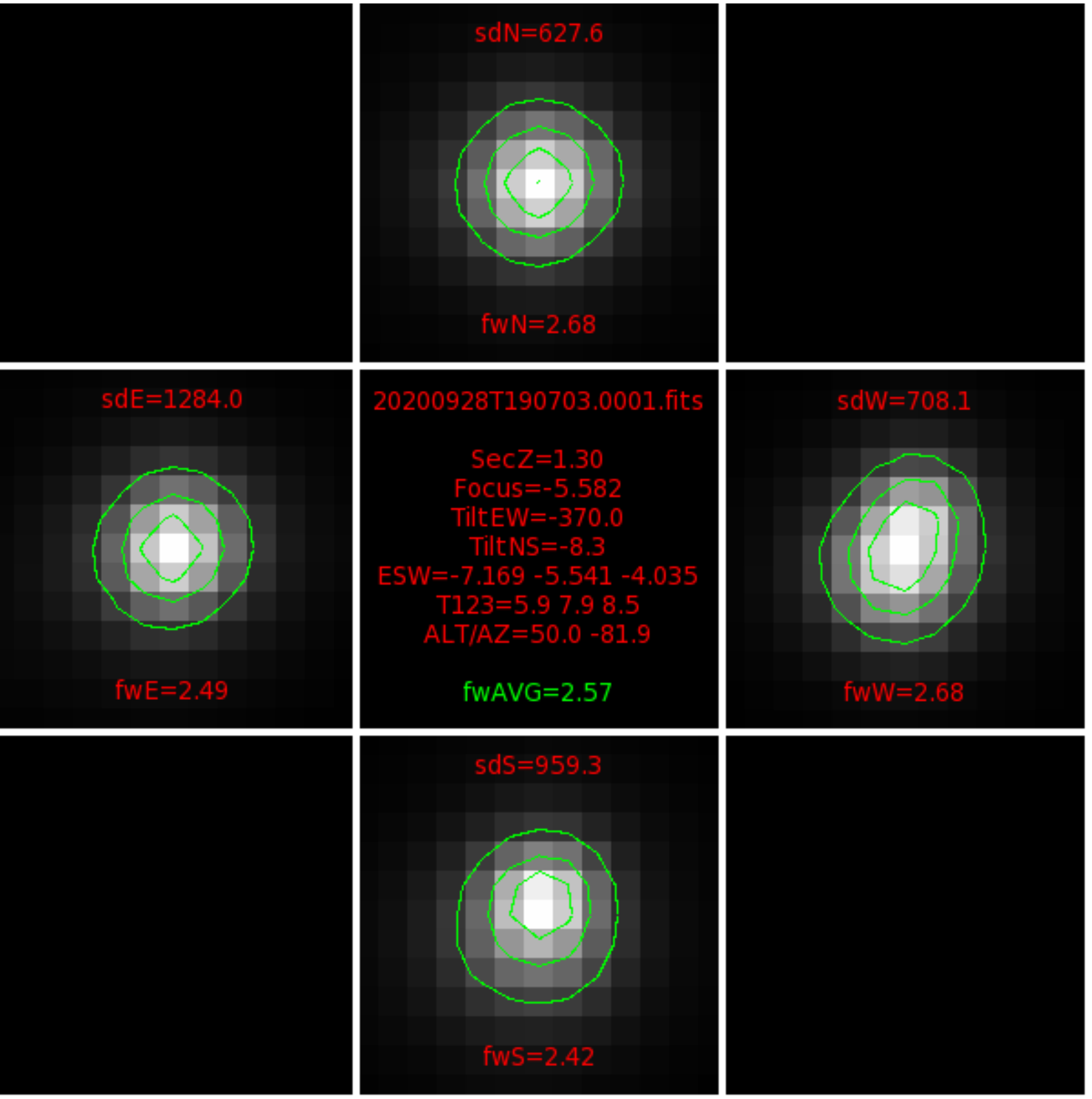
sdN=627.6
fwN=2.68
sdE=1284.0
fwE=2.49
20200928T190703.0001.fits
SecZ=1.30
Focus=-5.582
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.169 -5.541 -4.035
T123=5.9 7.9 8.5
ALT/AZ=50.0 -81.9
fwAVG=2.57
sdW=708.1
fwW=2.68
sdS=959.3
fwS=2.42
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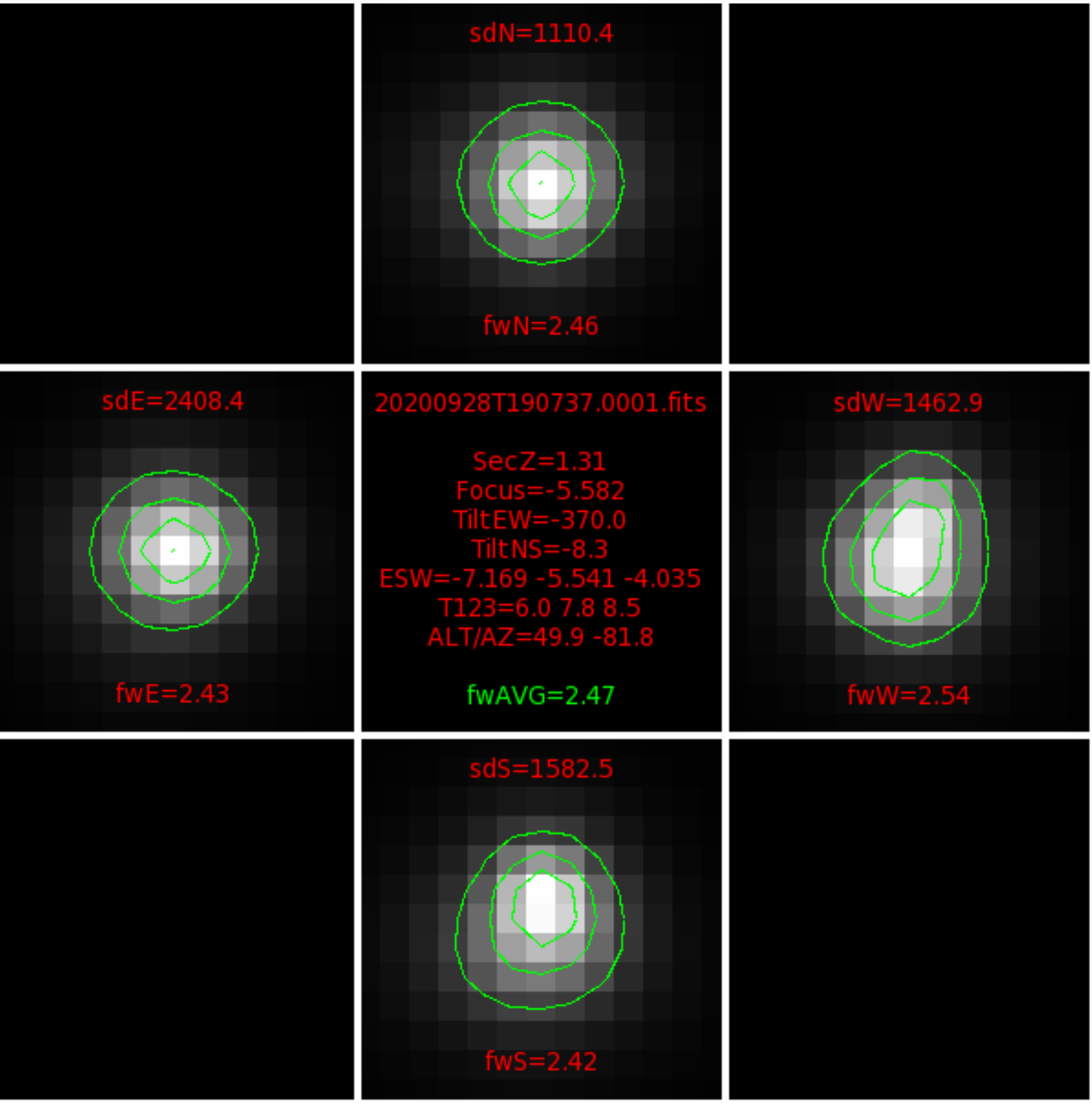
sdN=1110.4
fwN=2.46
sdE=2408.4
fwE=2.43
20200928T190737.0001.fits
SecZ=1.31
Focus=-5.582
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.169 -5.541 -4.035
T123=6.0 7.8 8.5
ALT/AZ=49.9 -81.8
fwAVG=2.47
sdW=1462.9
fwW=2.54
sdS=1582.5
fwS=2.42
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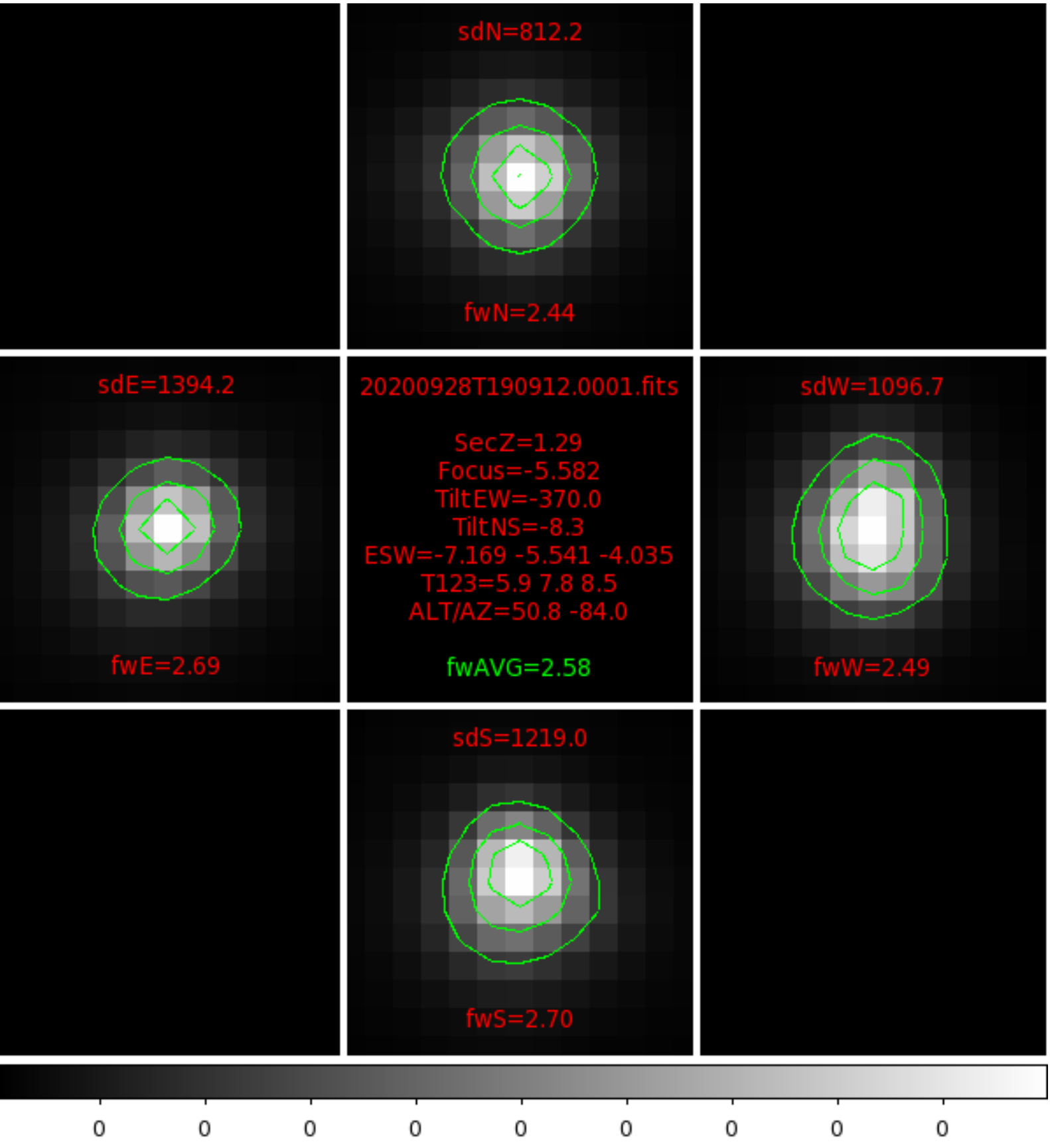
sdN=812.2
fwN=2.44
sdE=1394.2
fwE=2.69
20200928T190912.0001.fits
SecZ=1.29
Focus=-5.582
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.169 -5.541 -4.035
T123=5.9 7.8 8.5
ALT/AZ=50.8 -84.0
fwAVG=2.58
sdW=1096.7
fwW=2.49
sdS=1219.0
fwS=2.70
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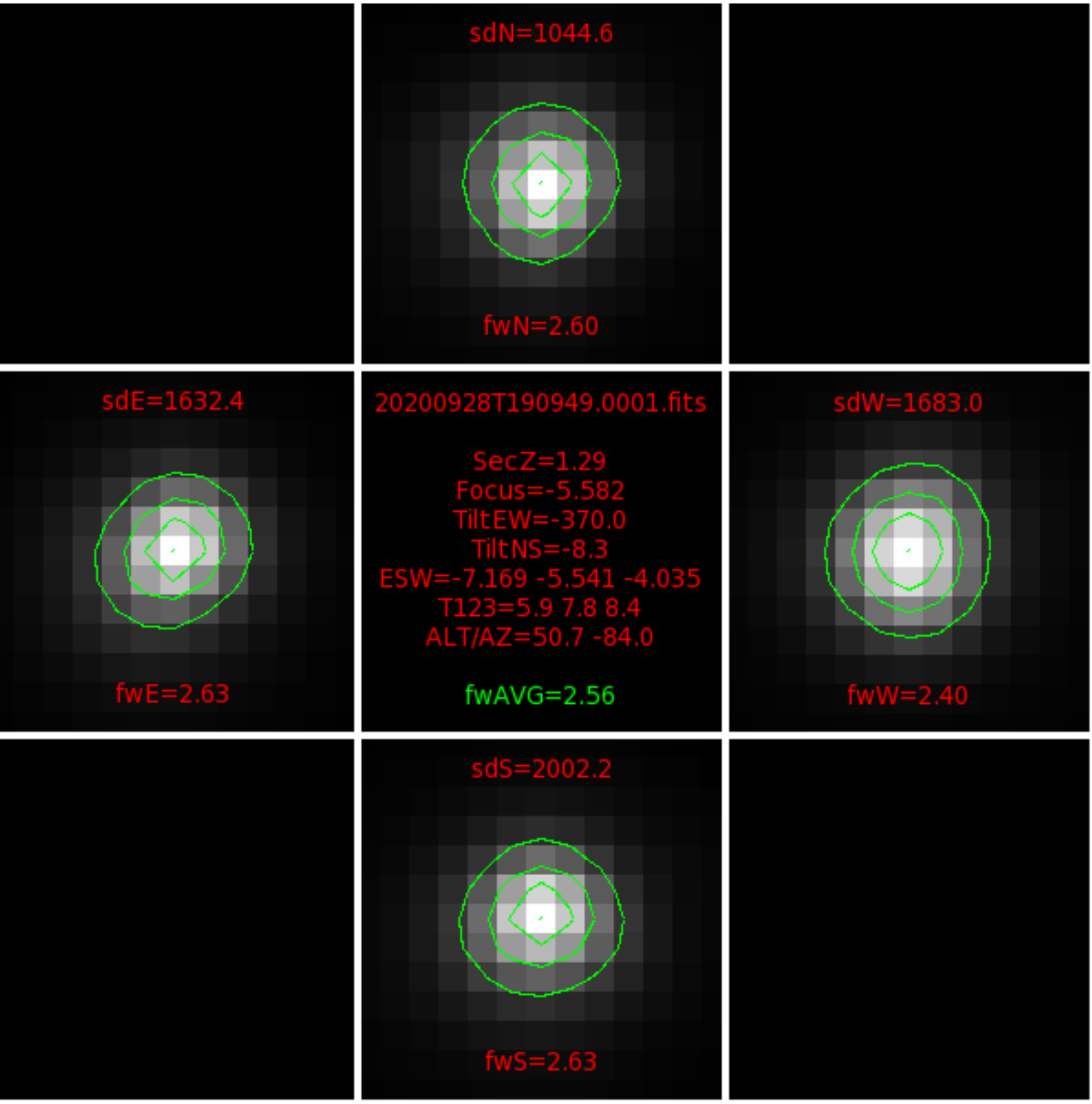
sdN=1044.6
fwN=2.60
sdE=1632.4
fwE=2.63
20200928T190949.0001.fits
SecZ=1.29
Focus=-5.582
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.169 -5.541 -4.035
T123=5.9 7.8 8.4
ALT/AZ=50.7 -84.0
fwAVG=2.56
sdW=1683.0
fwW=2.40
sdS=2002.2
fwS=2.63
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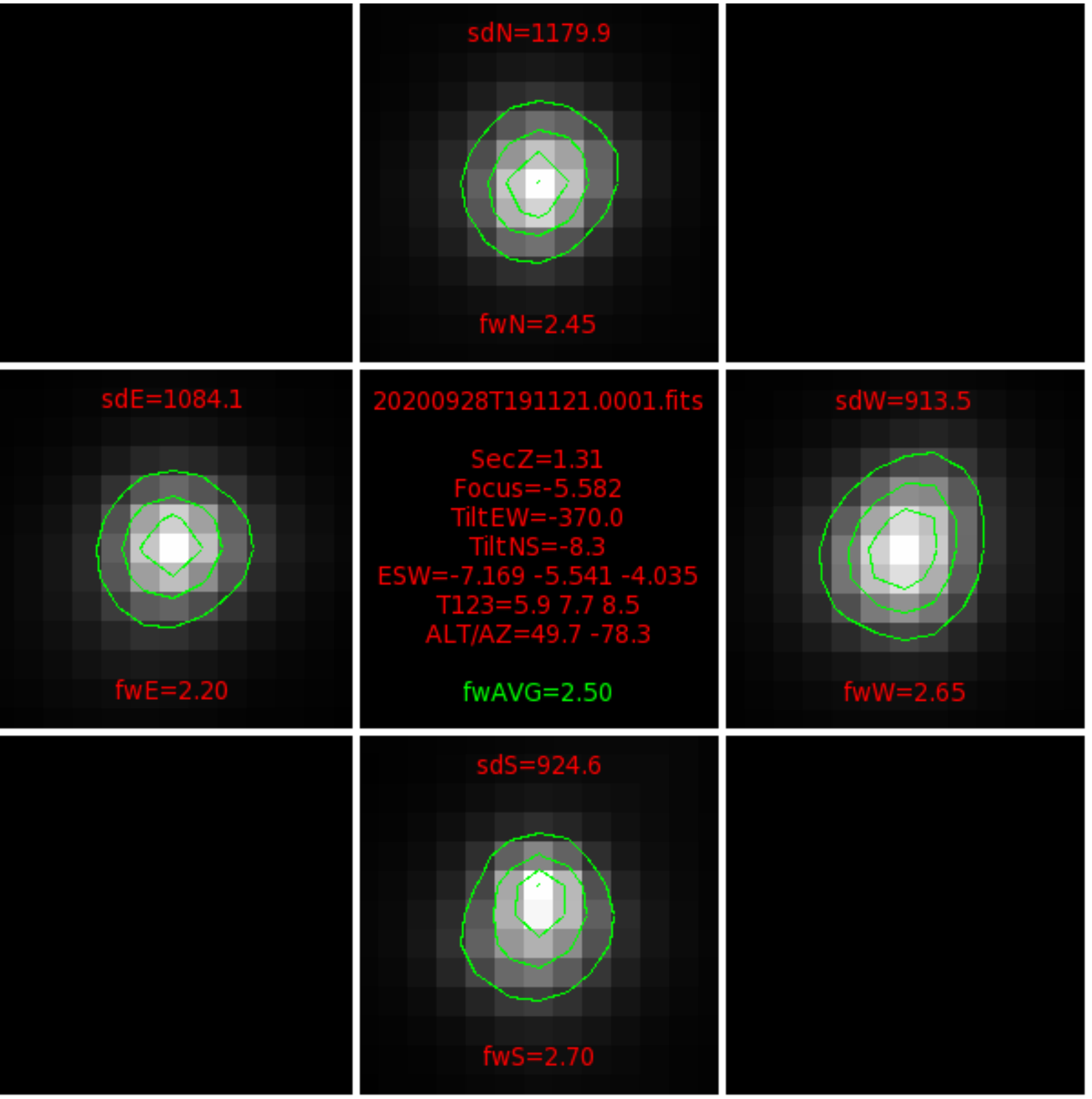
sdN=1179.9
fwN=2.45
sdE=1084.1
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20200928T191121.0001.fits
SecZ=1.31
Focus=-5.582
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.169 -5.541 -4.035
T123=5.9 7.7 8.5
ALT/AZ=49.7 -78.3
fwAVG=2.50
sdW=913.5
fwW=2.65
sdS=924.6
fwS=2.70
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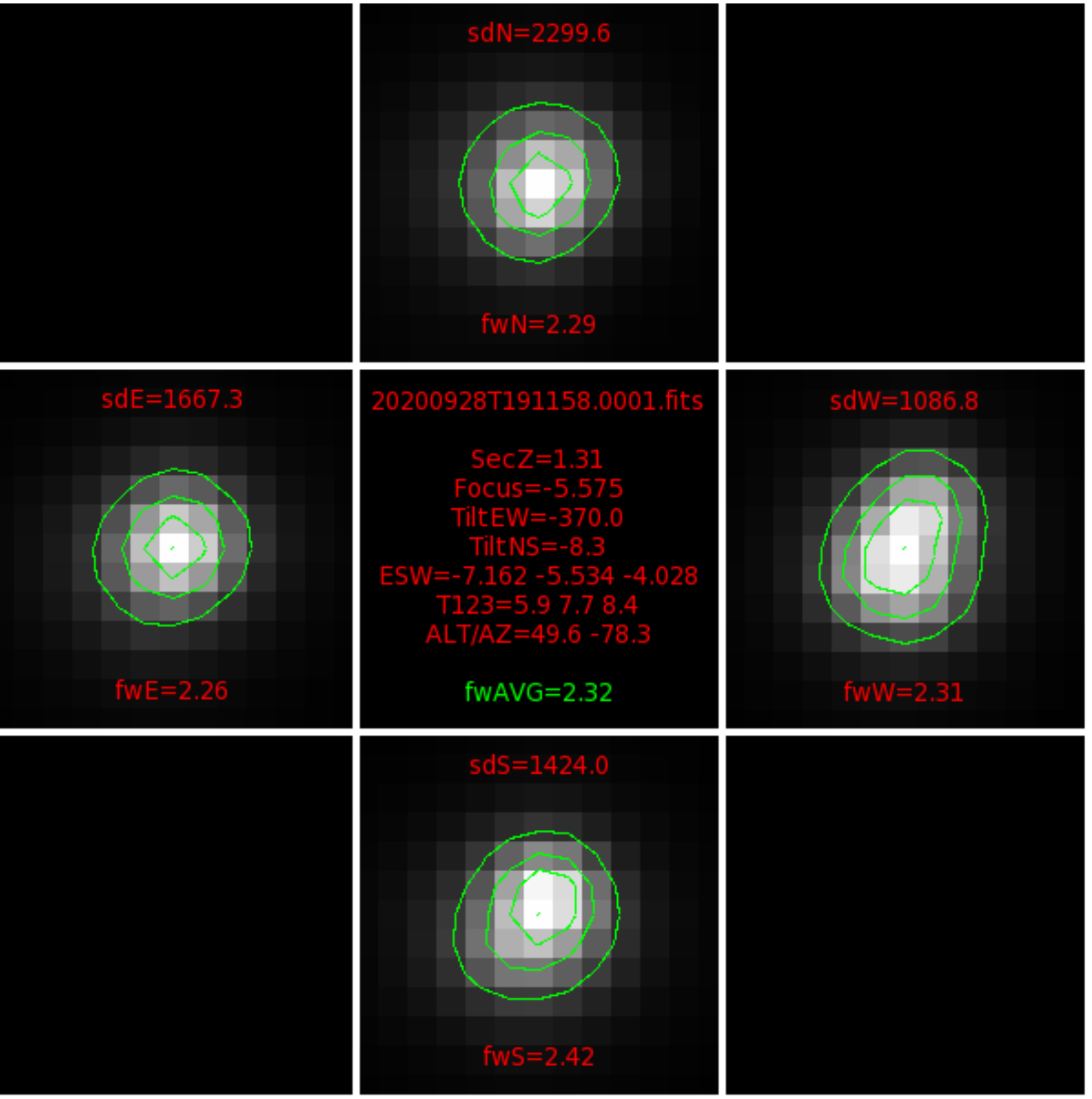
sdN=2299.6
fwN=2.29
sdE=1667.3
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20200928T191158.0001.fits
SecZ=1.31
Focus=-5.575
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.162 -5.534 -4.028
T123=5.9 7.7 8.4
ALT/AZ=49.6 -78.3
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sdW=1086.8
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sdS=1424.0
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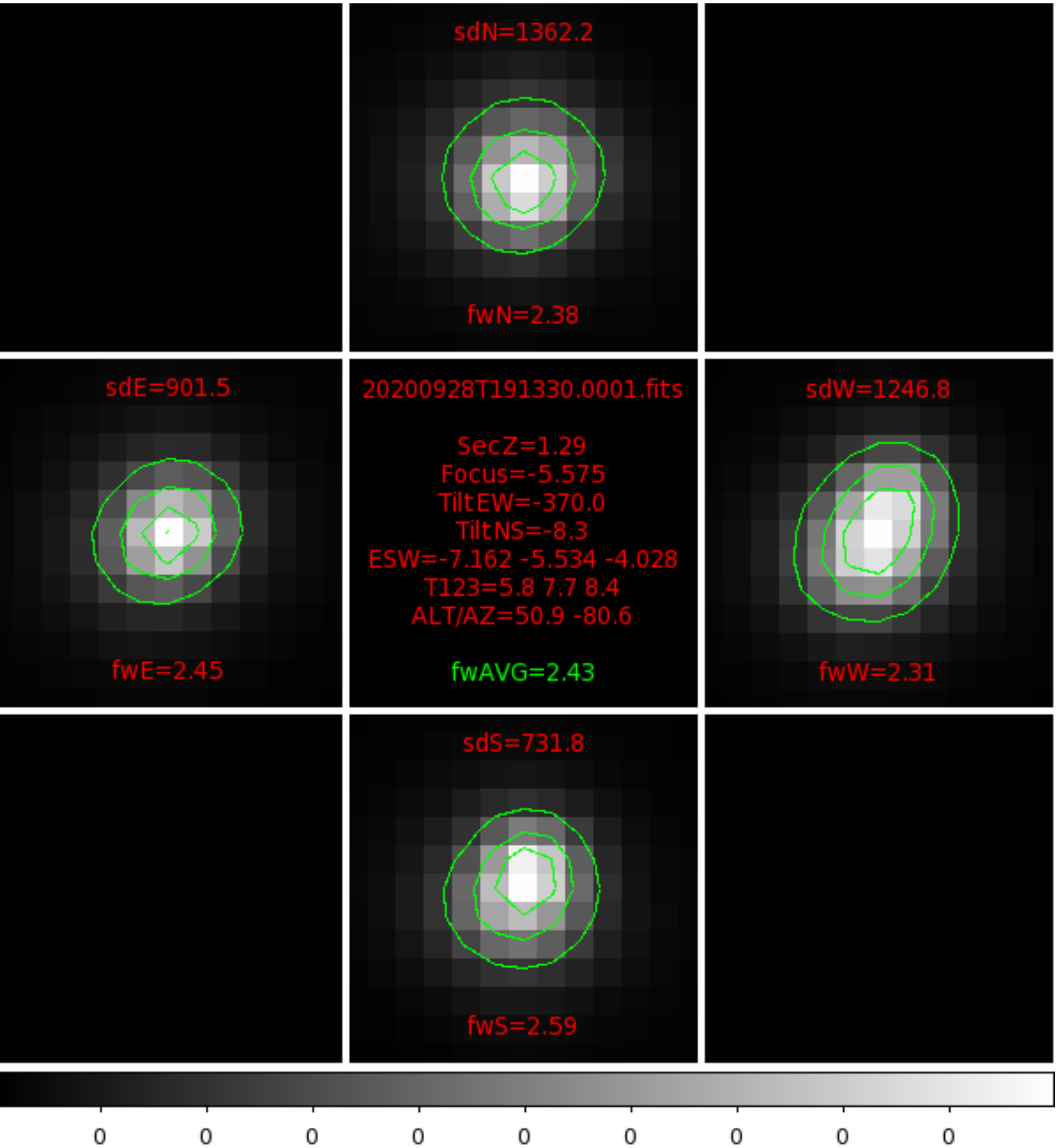
sdN=1362.2
fwN=2.38
sdE=901.5
fwE=2.45
20200928T191330.0001.fits
SecZ=1.29
Focus=-5.575
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.162 -5.534 -4.028
T123=5.8 7.7 8.4
ALT/AZ=50.9 -80.6
fwAVG=2.43
sdW=1246.8
fwW=2.31
sdS=731.8
fwS=2.59
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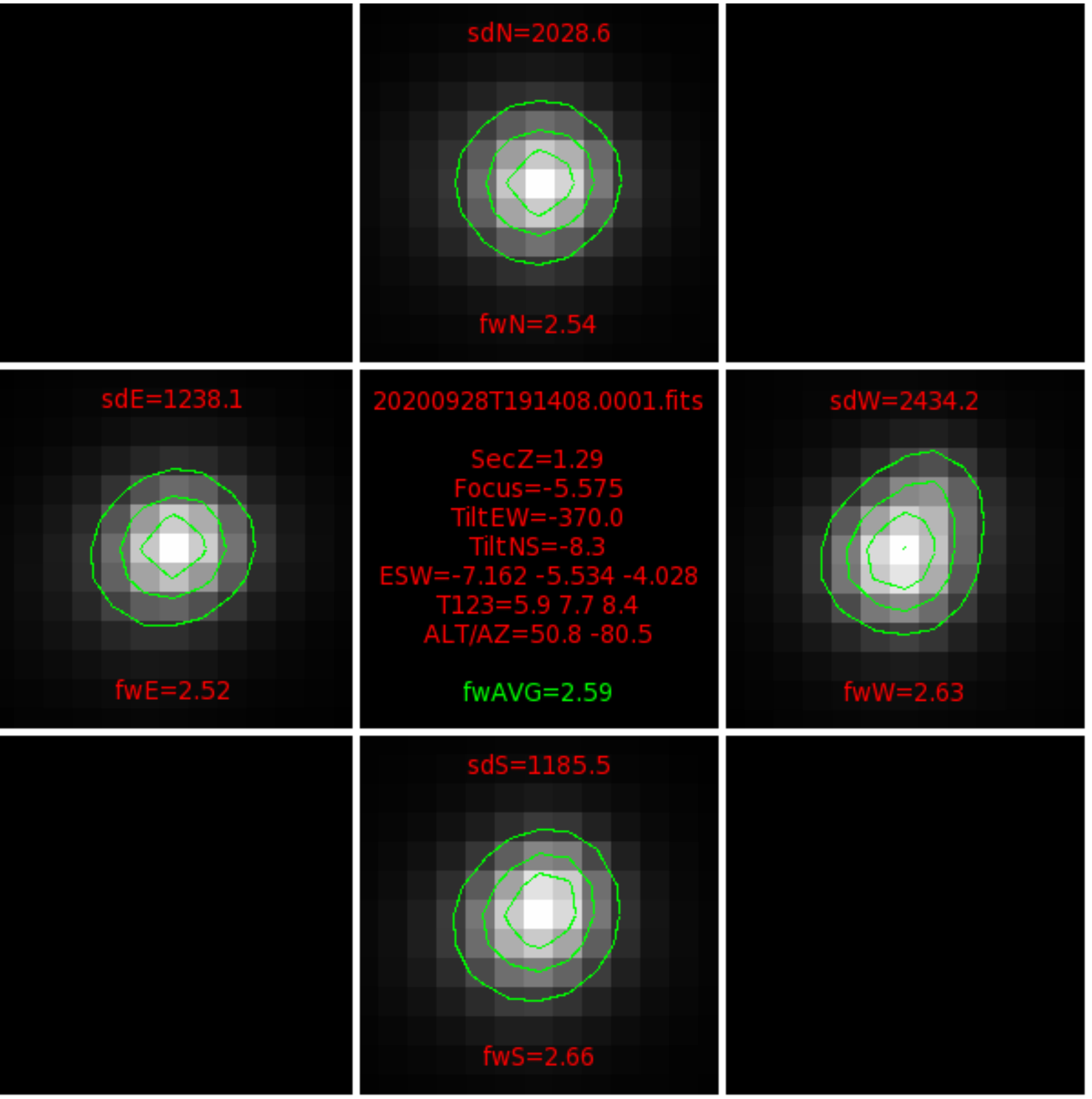
sdN=2028.6
fwN=2.54
sdE=1238.1
fwE=2.52
20200928T191408.0001.fits
SecZ=1.29
Focus=-5.575
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.162 -5.534 -4.028
T123=5.9 7.7 8.4
ALT/AZ=50.8 -80.5
fwAVG=2.59
sdW=2434.2
fwW=2.63
sdS=1185.5
fwS=2.66
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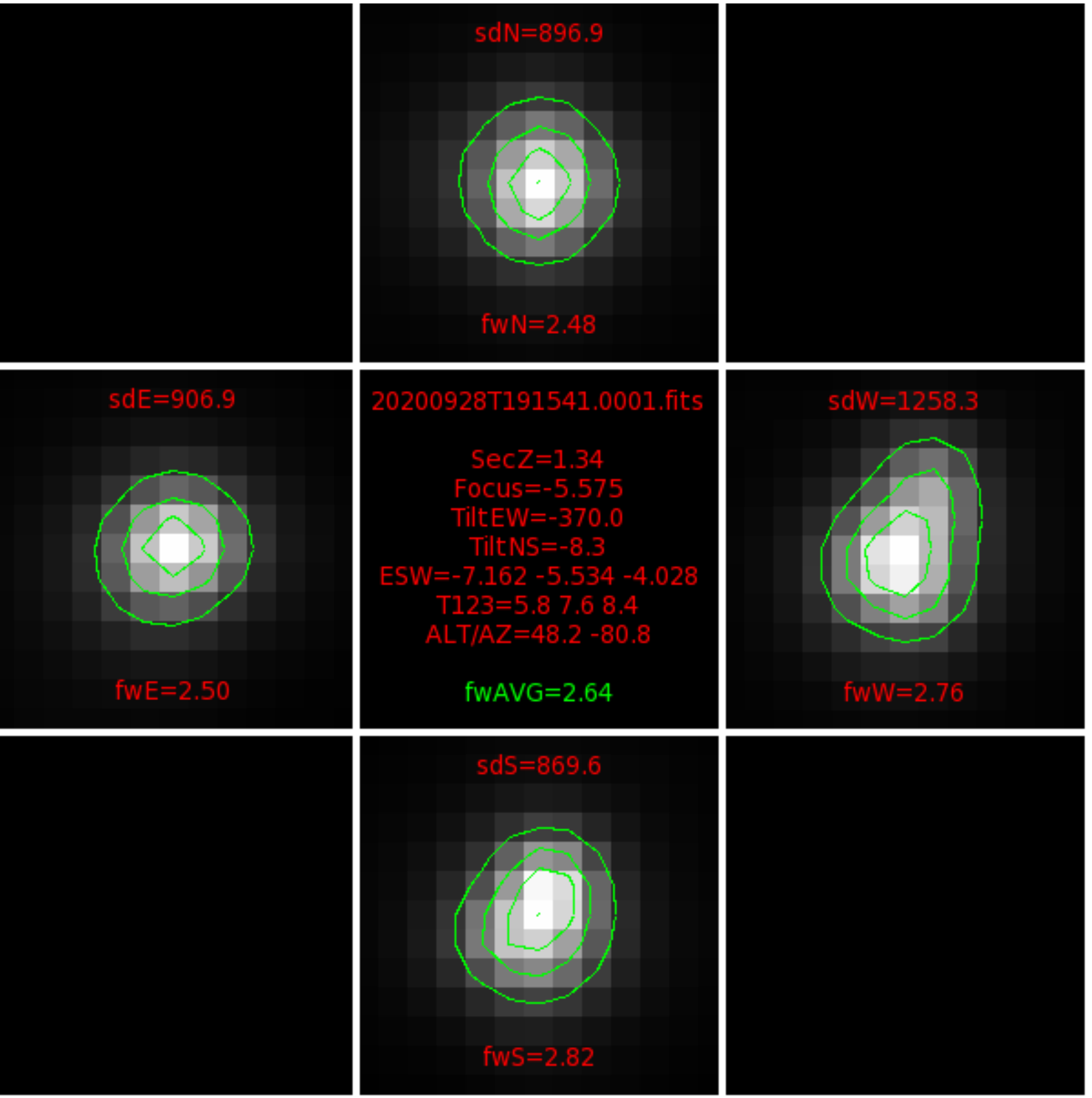
sdN=896.9
fwN=2.48
sdE=906.9
fwE=2.50
20200928T191541.0001.fits
SecZ=1.34
Focus=-5.575
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.162 -5.534 -4.028
T123=5.8 7.6 8.4
ALT/AZ=48.2 -80.8
fwAVG=2.64
sdW=1258.3
fwW=2.76
sdS=869.6
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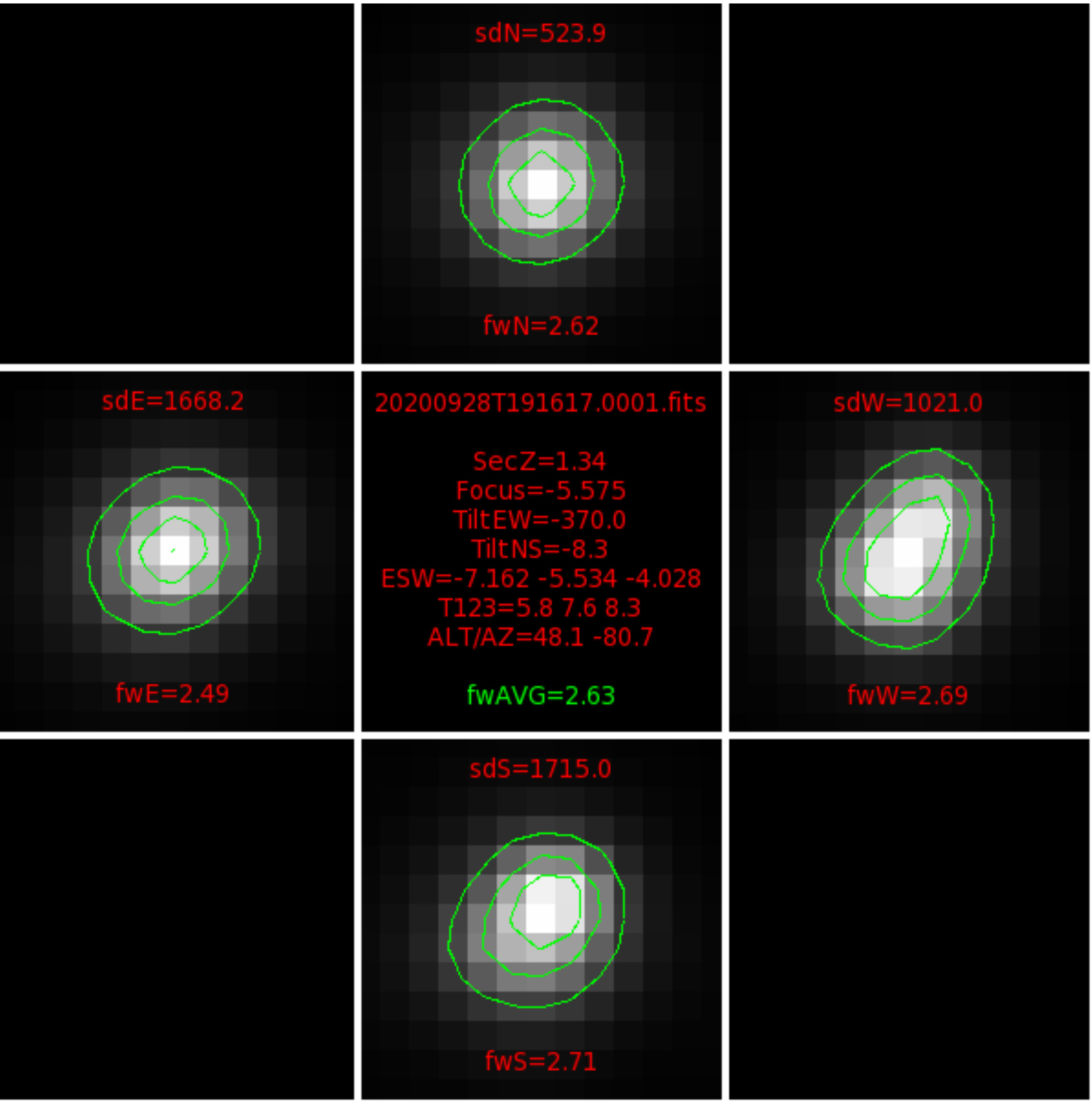
sdN=523.9
fwN=2.62
sdE=1668.2
fwE=2.49
20200928T191617.0001.fits
SecZ=1.34
Focus=-5.575
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.162 -5.534 -4.028
T123=5.8 7.6 8.3
ALT/AZ=48.1 -80.7
fwAVG=2.63
sdW=1021.0
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sdS=1715.0
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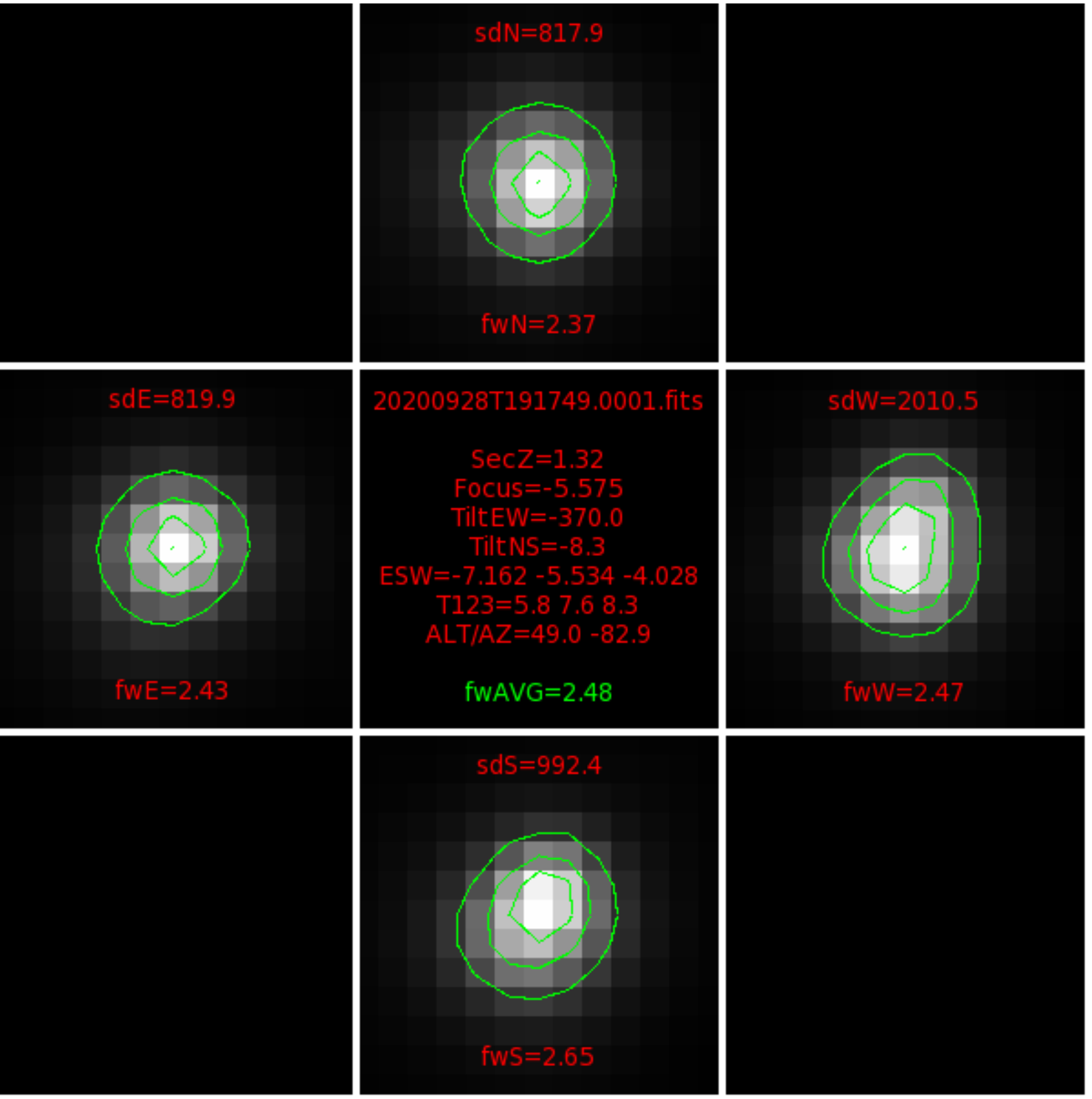
sdN=817.9
fwN=2.37
sdE=819.9
fwE=2.43
20200928T191749.0001.fits
SecZ=1.32
Focus=-5.575
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.162 -5.534 -4.028
T123=5.8 7.6 8.3
ALT/AZ=49.0 -82.9
fwAVG=2.48
sdW=2010.5
fwW=2.47
sdS=992.4
fwS=2.65
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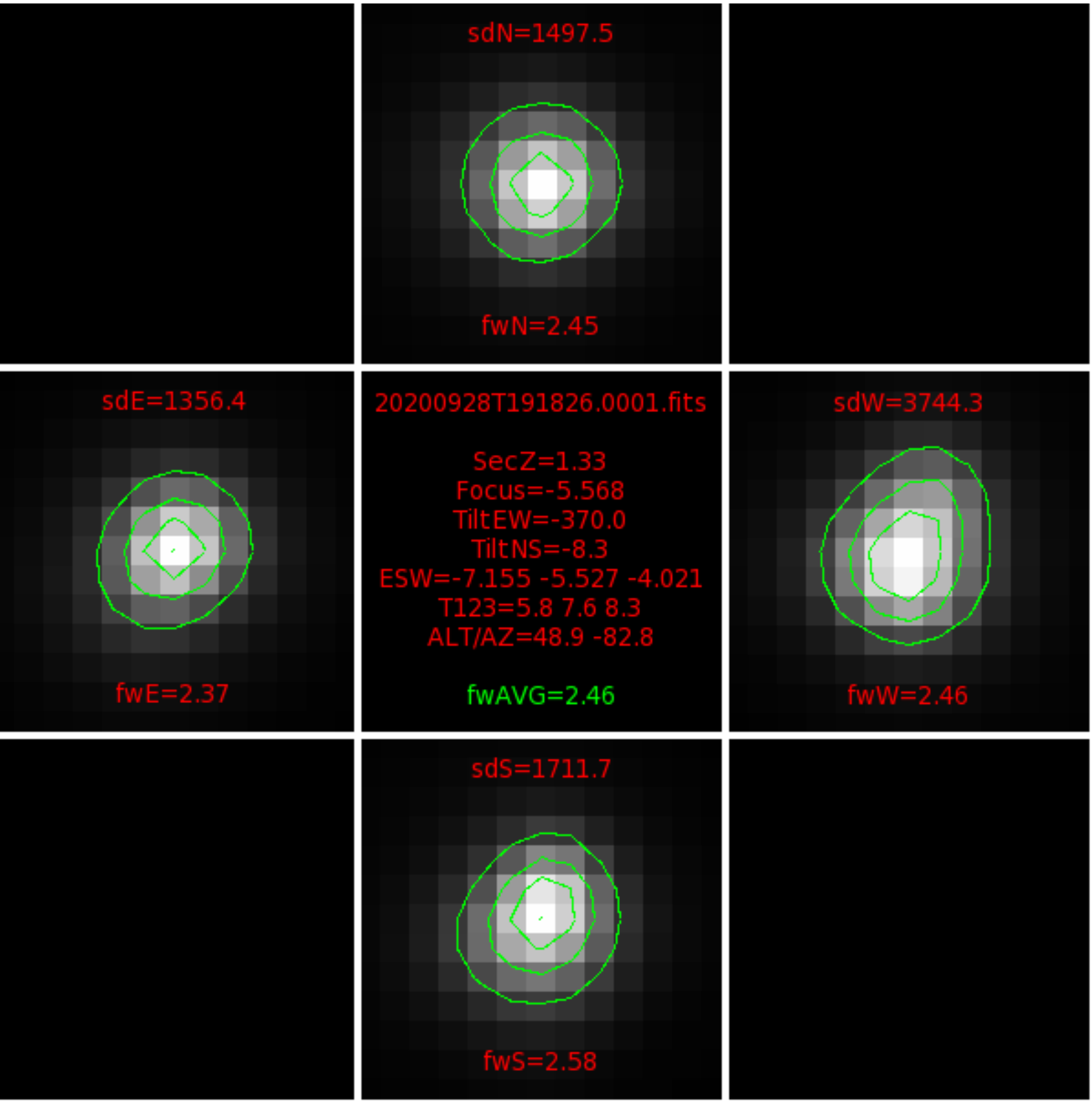
sdN=1497.5
fwN=2.45
sdE=1356.4
fwE=2.37
20200928T191826.0001.fits
SecZ=1.33
Focus=-5.568
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.155 -5.527 -4.021
T123=5.8 7.6 8.3
ALT/AZ=48.9 -82.8
fwAVG=2.46
sdW=3744.3
fwW=2.46
sdS=1711.7
fwS=2.58
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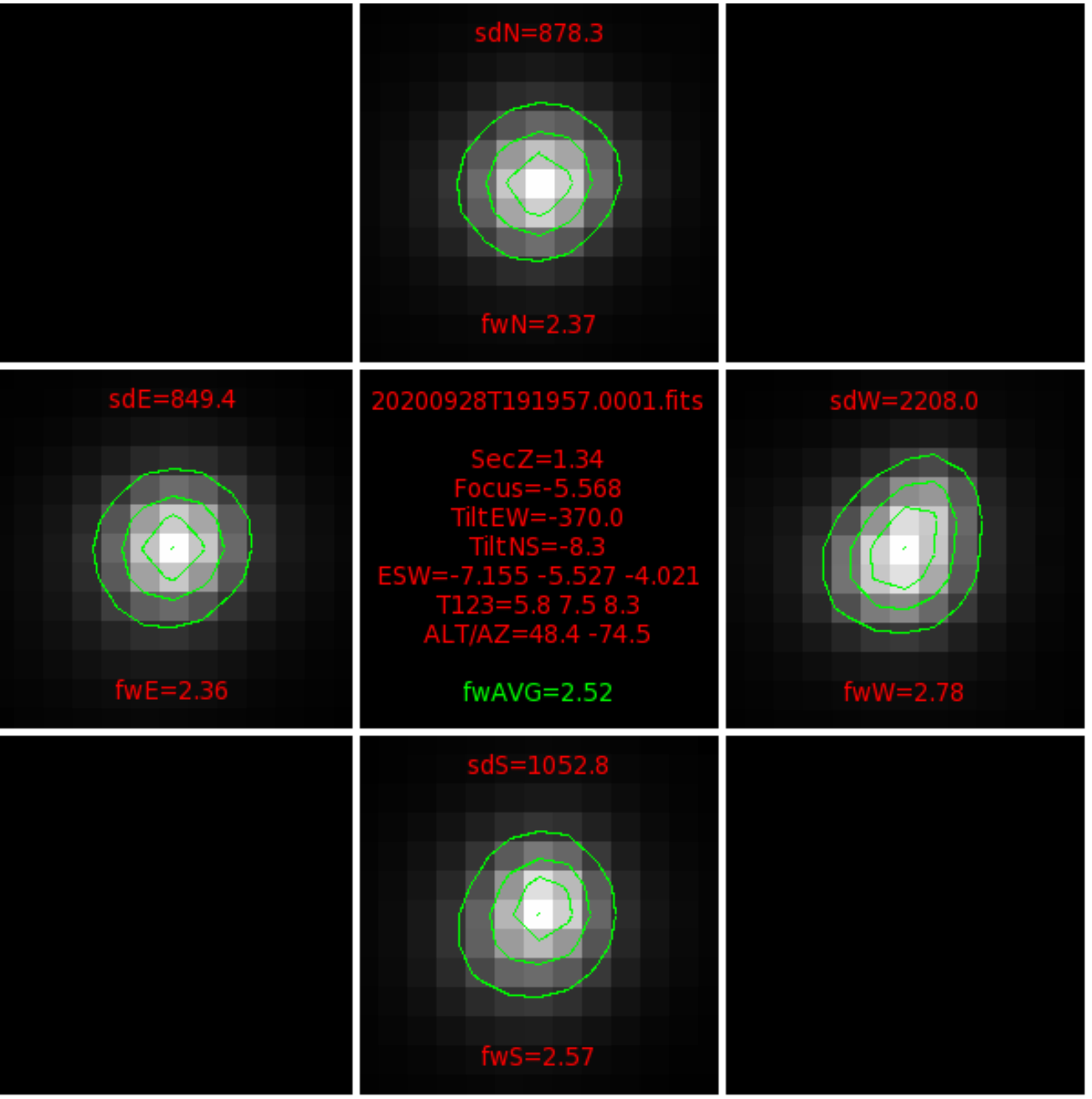
sdN=878.3
fwN=2.37
sdE=849.4
fwE=2.36
20200928T191957.0001.fits
SecZ=1.34
Focus=-5.568
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.155 -5.527 -4.021
T123=5.8 7.5 8.3
ALT/AZ=48.4 -74.5
fwAVG=2.52
sdW=2208.0
fwW=2.78
sdS=1052.8
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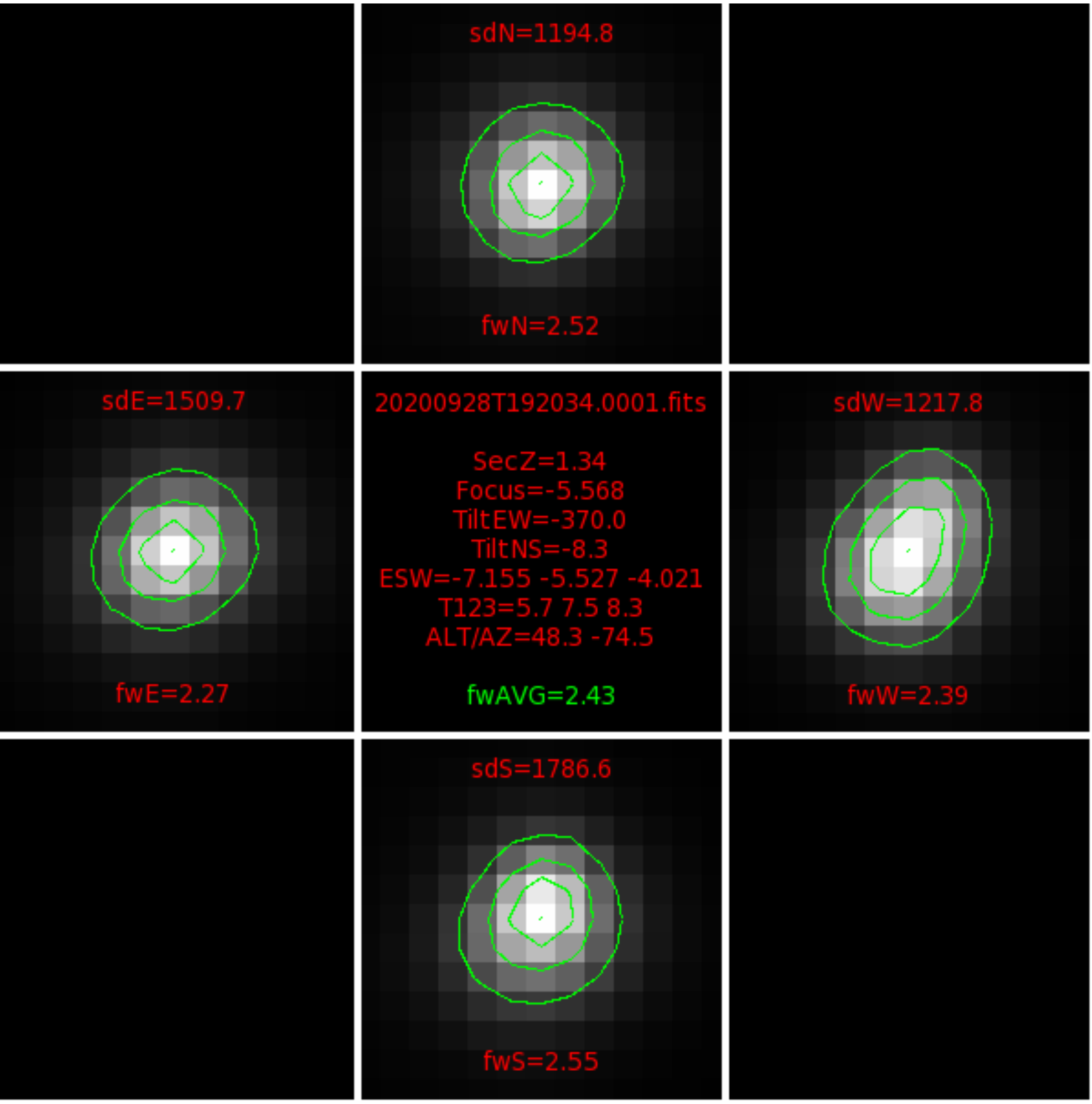
sdN=1194.8
fwN=2.52
sdE=1509.7
fwE=2.27
20200928T192034.0001.fits
SecZ=1.34
Focus=-5.568
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.155 -5.527 -4.021
T123=5.7 7.5 8.3
ALT/AZ=48.3 -74.5
fwAVG=2.43
sdW=1217.8
fwW=2.39
sdS=1786.6
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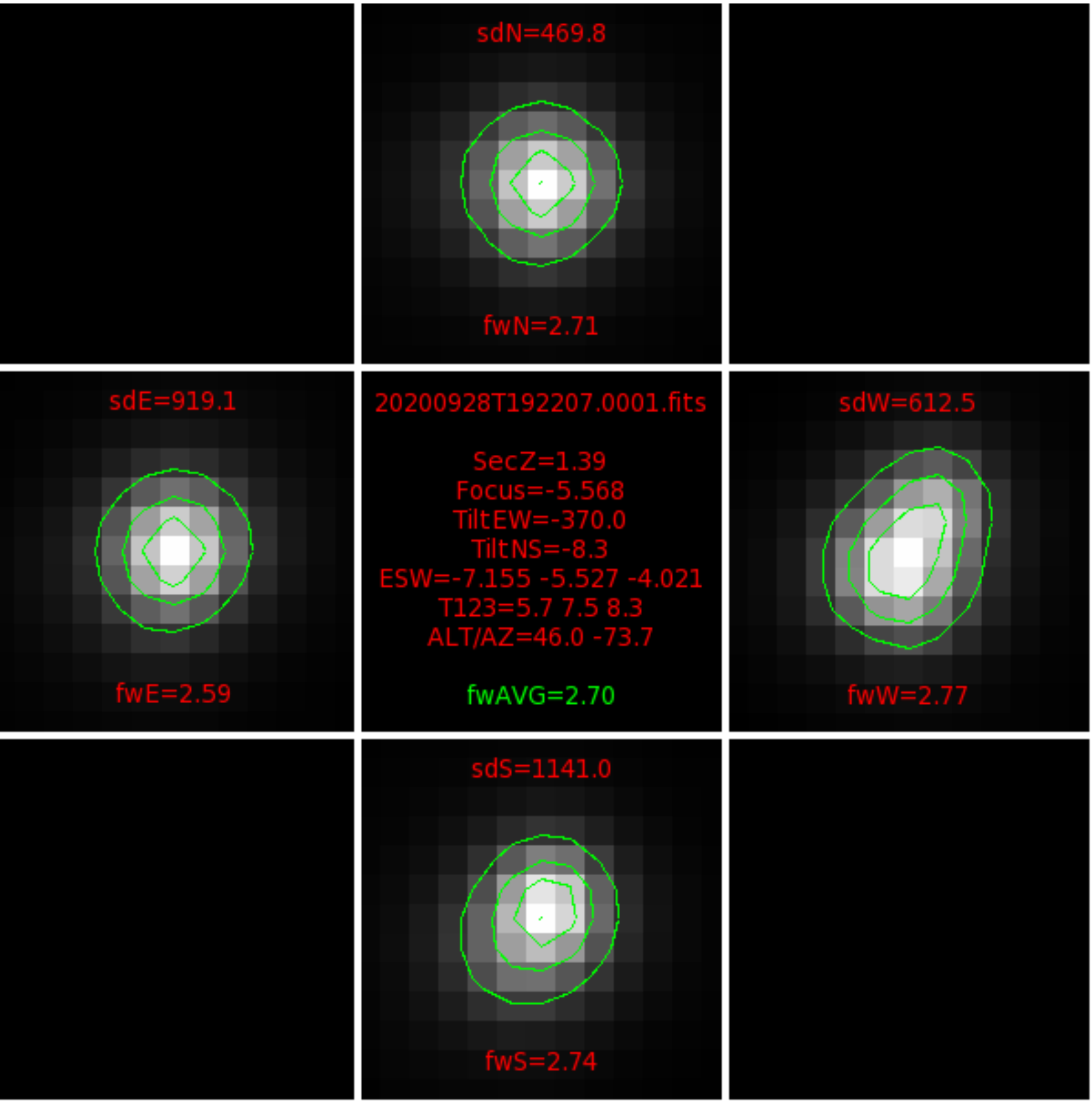
sdN=469.8
fwN=2.71
sdE=919.1
fwE=2.59
20200928T192207.0001.fits
SecZ=1.39
Focus=-5.568
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.155 -5.527 -4.021
T123=5.7 7.5 8.3
ALT/AZ=46.0 -73.7
fwAVG=2.70
sdW=612.5
fwW=2.77
sdS=1141.0
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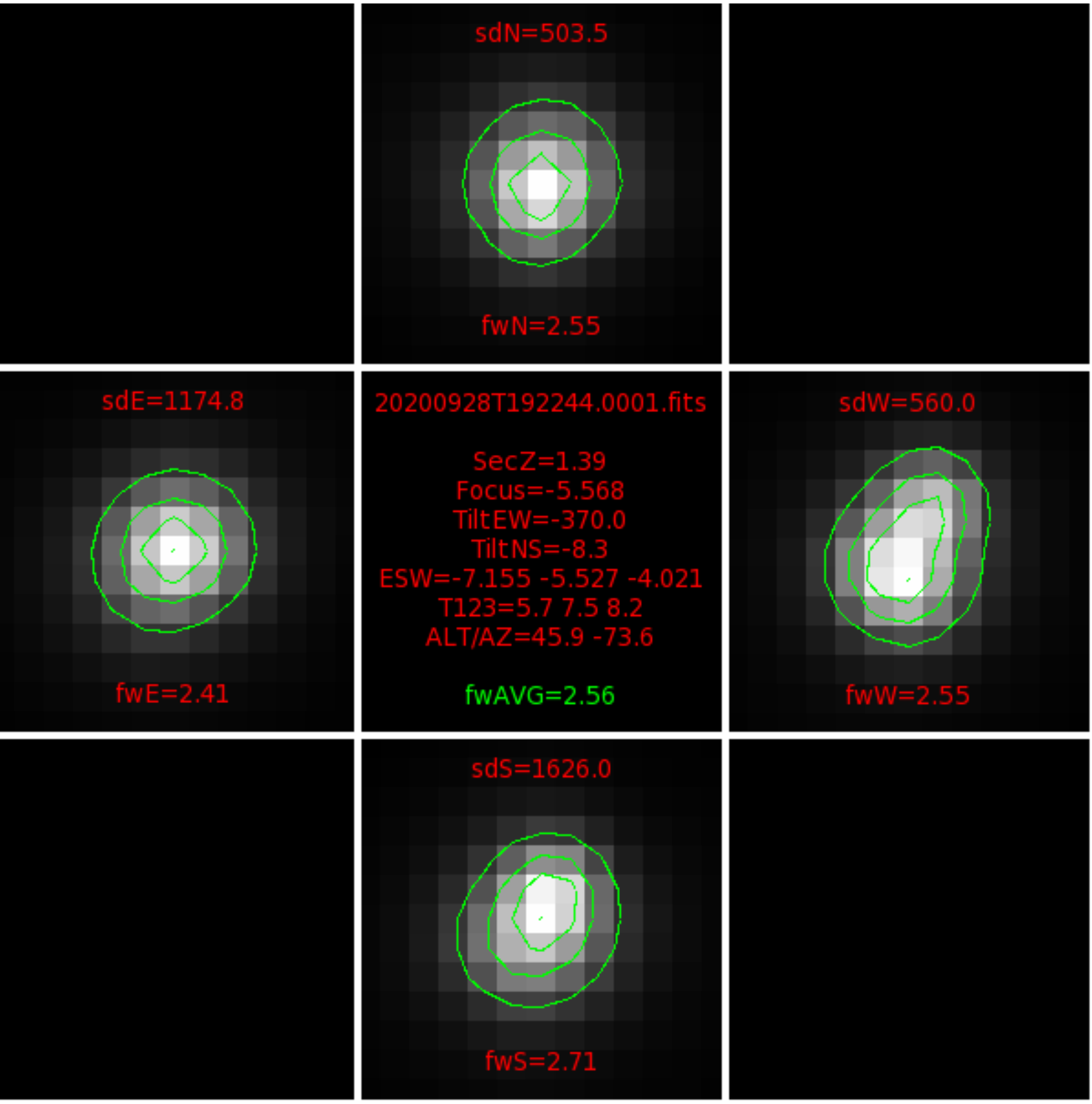
sdN=503.5
fwN=2.55
sdE=1174.8
fwE=2.41
20200928T192244.0001.fits
SecZ=1.39
Focus=-5.568
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.155 -5.527 -4.021
T123=5.7 7.5 8.2
ALT/AZ=45.9 -73.6
fwAVG=2.56
sdW=560.0
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sdS=1626.0
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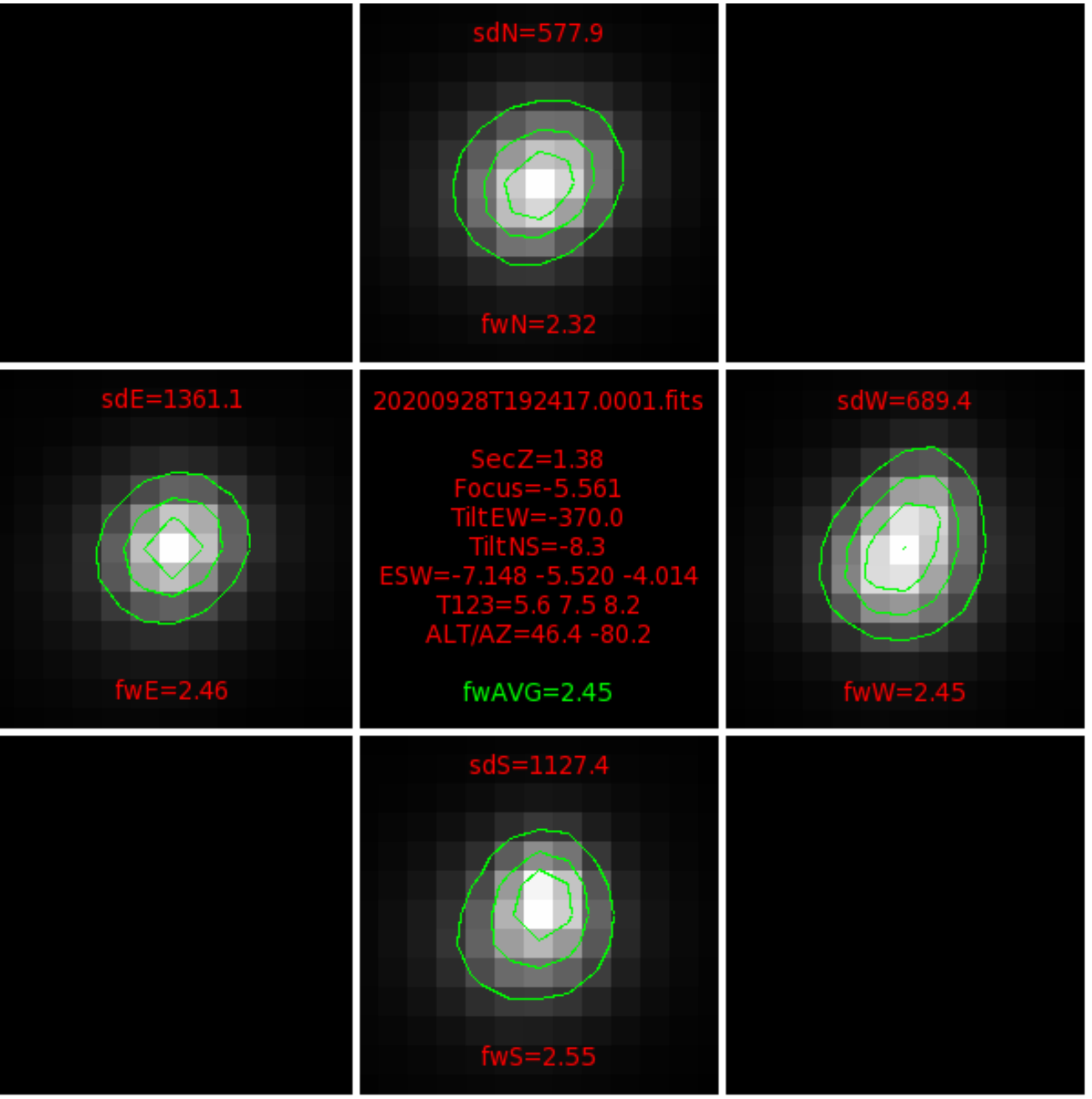
sdN=577.9
fwN=2.32
sdE=1361.1
fwE=2.46
20200928T192417.0001.fits
SecZ=1.38
Focus=-5.561
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.148 -5.520 -4.014
T123=5.6 7.5 8.2
ALT/AZ=46.4 -80.2
fwAVG=2.45
sdW=689.4
fwW=2.45
sdS=1127.4
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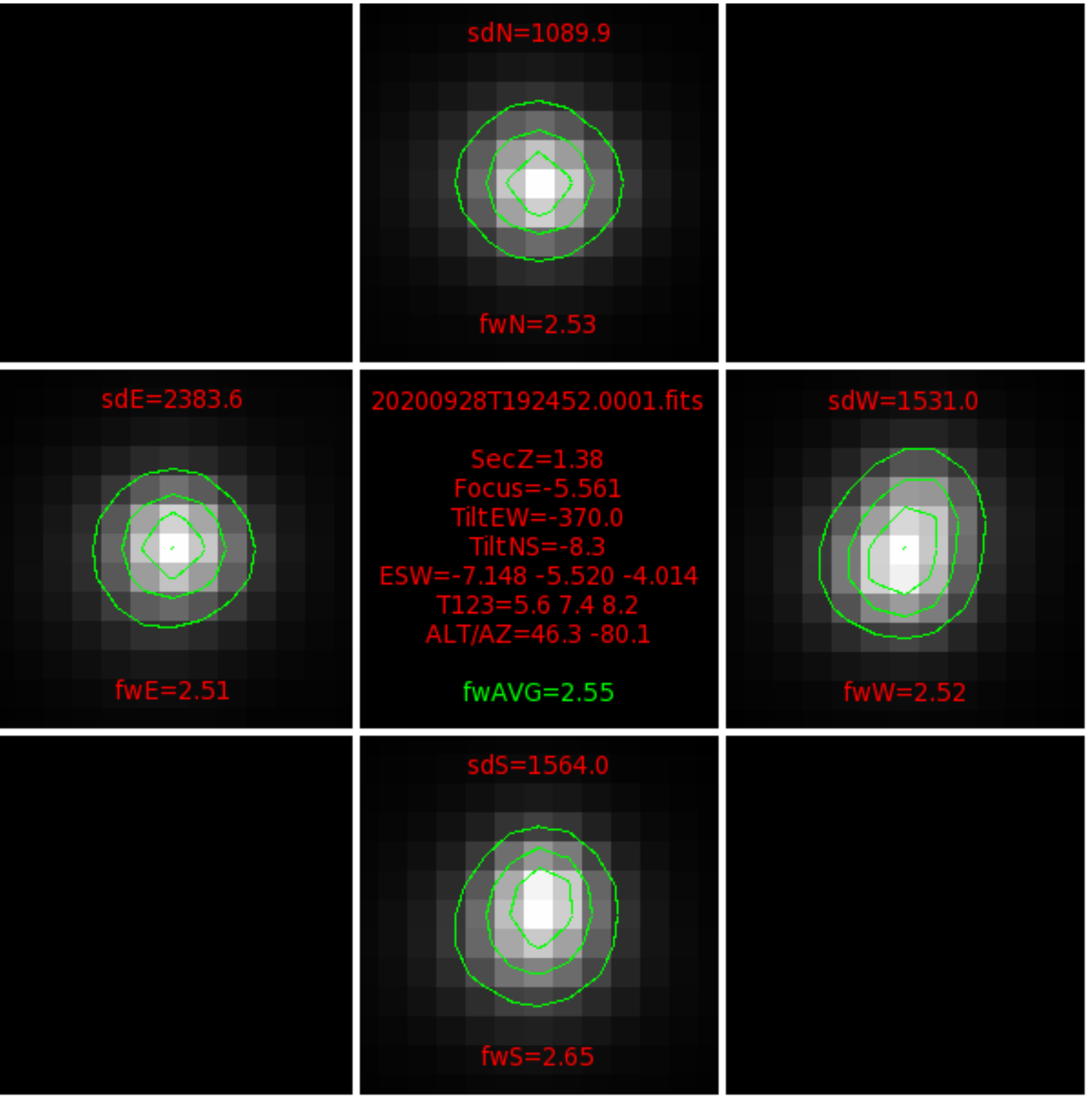
sdN=1089.9
fwN=2.53
sdE=2383.6
fwE=2.51
20200928T192452.0001.fits
SecZ=1.38
Focus=-5.561
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.148 -5.520 -4.014
T123=5.6 7.4 8.2
ALT/AZ=46.3 -80.1
fwAVG=2.55
sdW=1531.0
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sdS=1564.0
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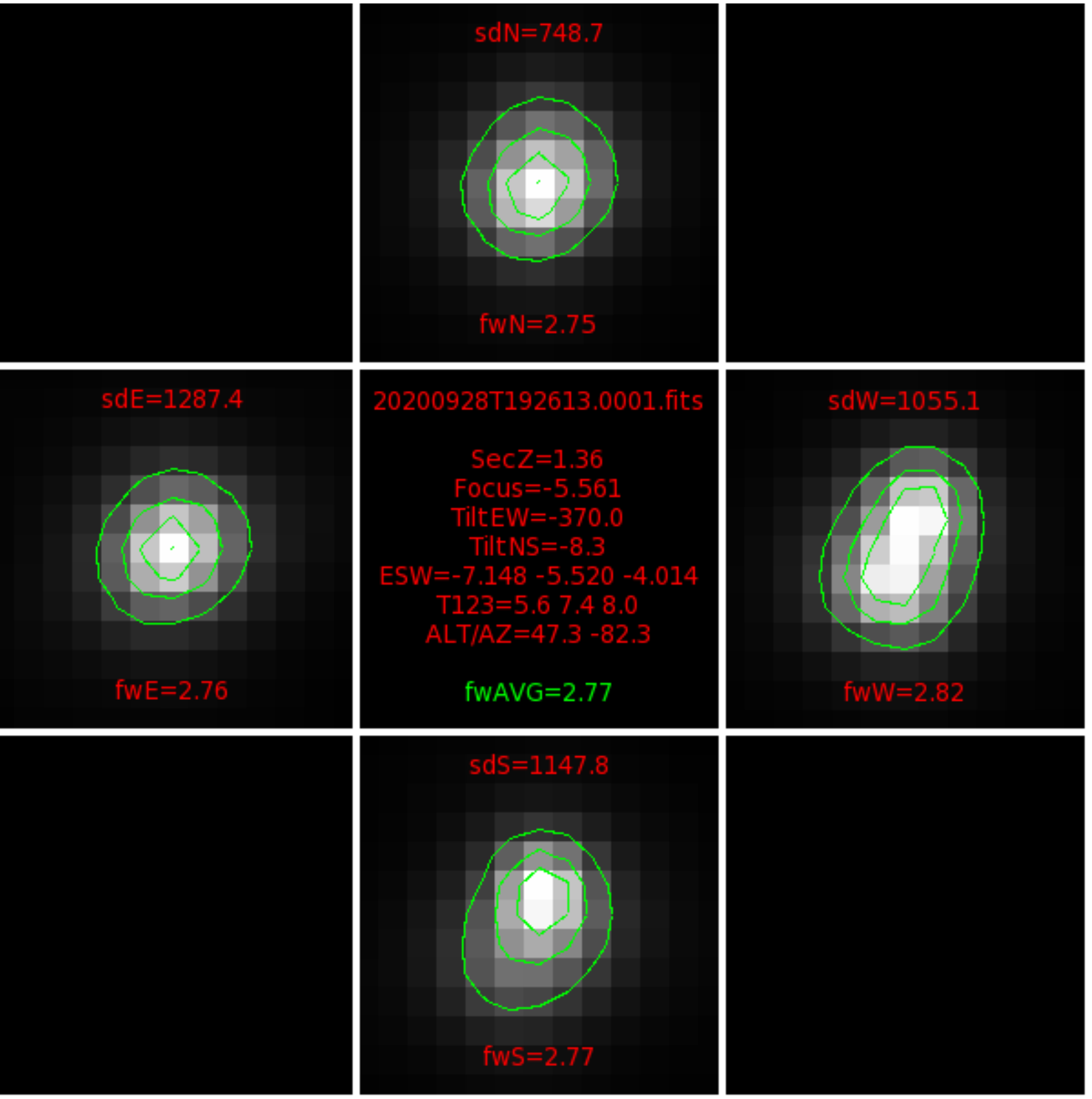
sdN=748.7
fwN=2.75
sdE=1287.4
fwE=2.76
20200928T192613.0001.fits
SecZ=1.36
Focus=-5.561
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.148 -5.520 -4.014
T123=5.6 7.4 8.0
ALT/AZ=47.3 -82.3
fwAVG=2.77
sdW=1055.1
fwW=2.82
sdS=1147.8
fwS=2.77
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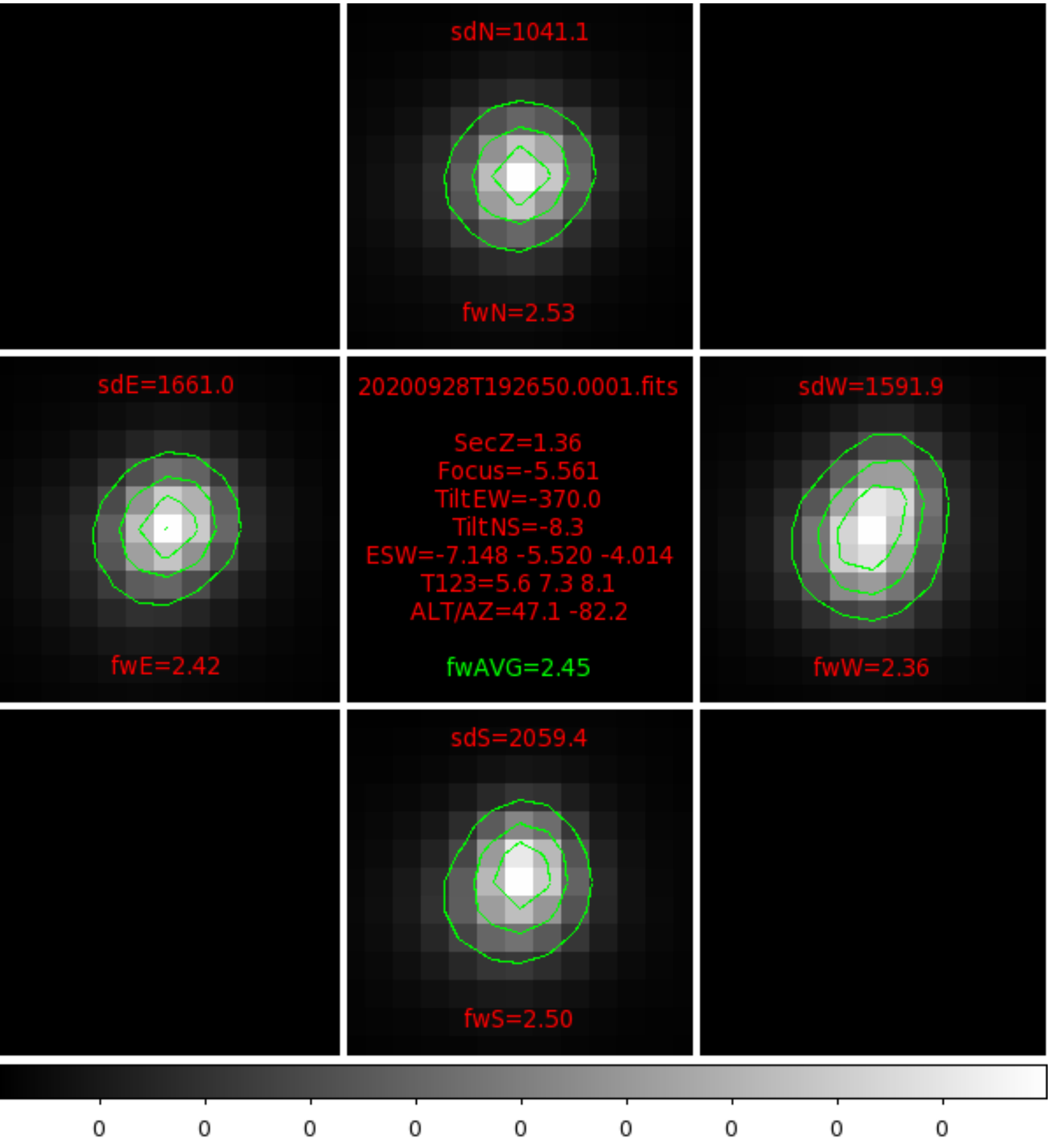
sdN=1041.1
fwN=2.53
sdE=1661.0
fwE=2.42
20200928T192650.0001.fits
SecZ=1.36
Focus=-5.561
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.148 -5.520 -4.014
T123=5.6 7.3 8.1
ALT/AZ=47.1 -82.2
fwAVG=2.45
sdW=1591.9
fwW=2.36
sdS=2059.4
fwS=2.50
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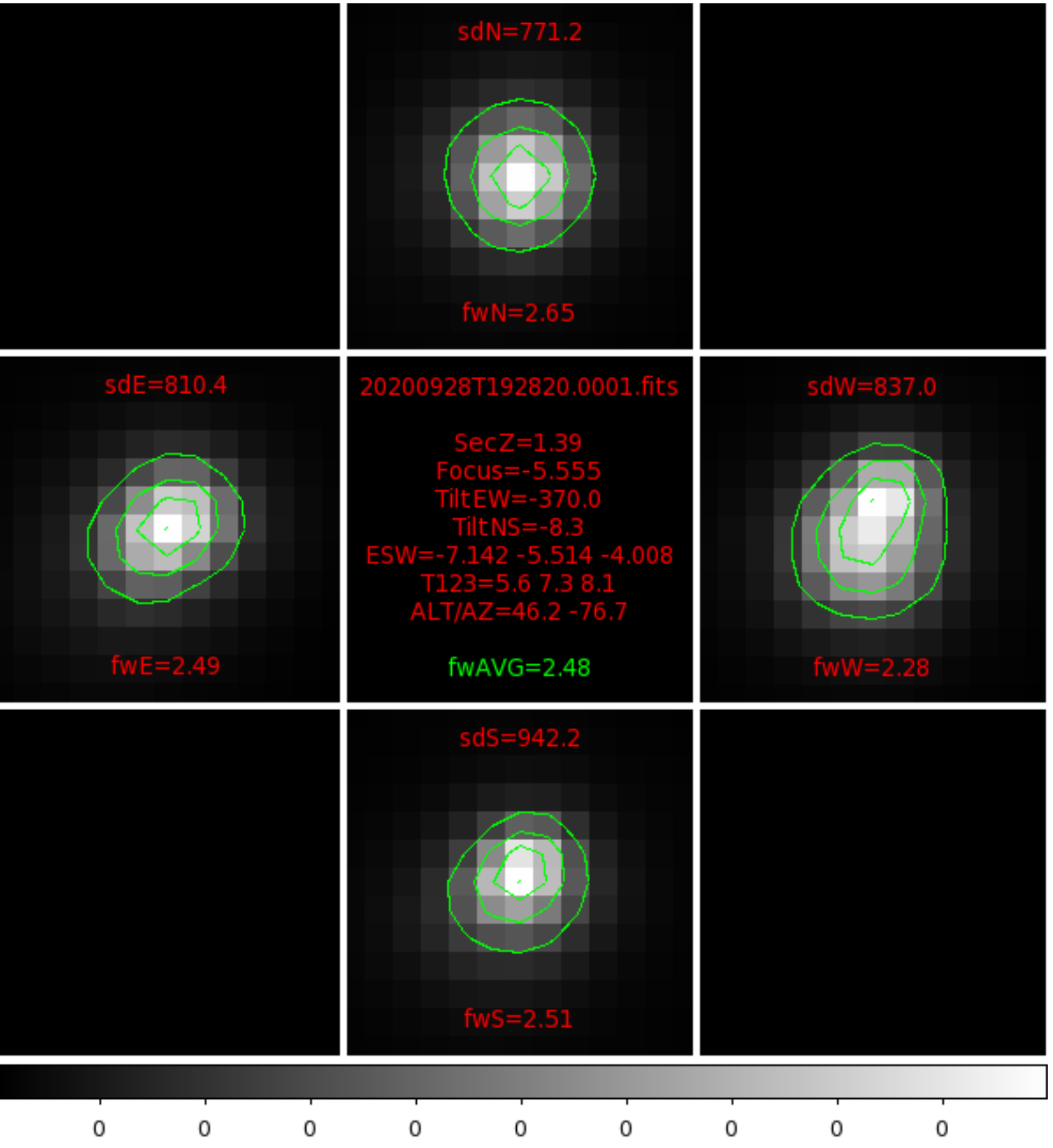
sdN=771.2
fwN=2.65
sdE=810.4
fwE=2.49
20200928T192820.0001.fits
SecZ=1.39
Focus=-5.555
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.142 -5.514 -4.008
T123=5.6 7.3 8.1
ALT/AZ=46.2 -76.7
fwAVG=2.48
sdW=837.0
fwW=2.28
sdS=942.2
fwS=2.51
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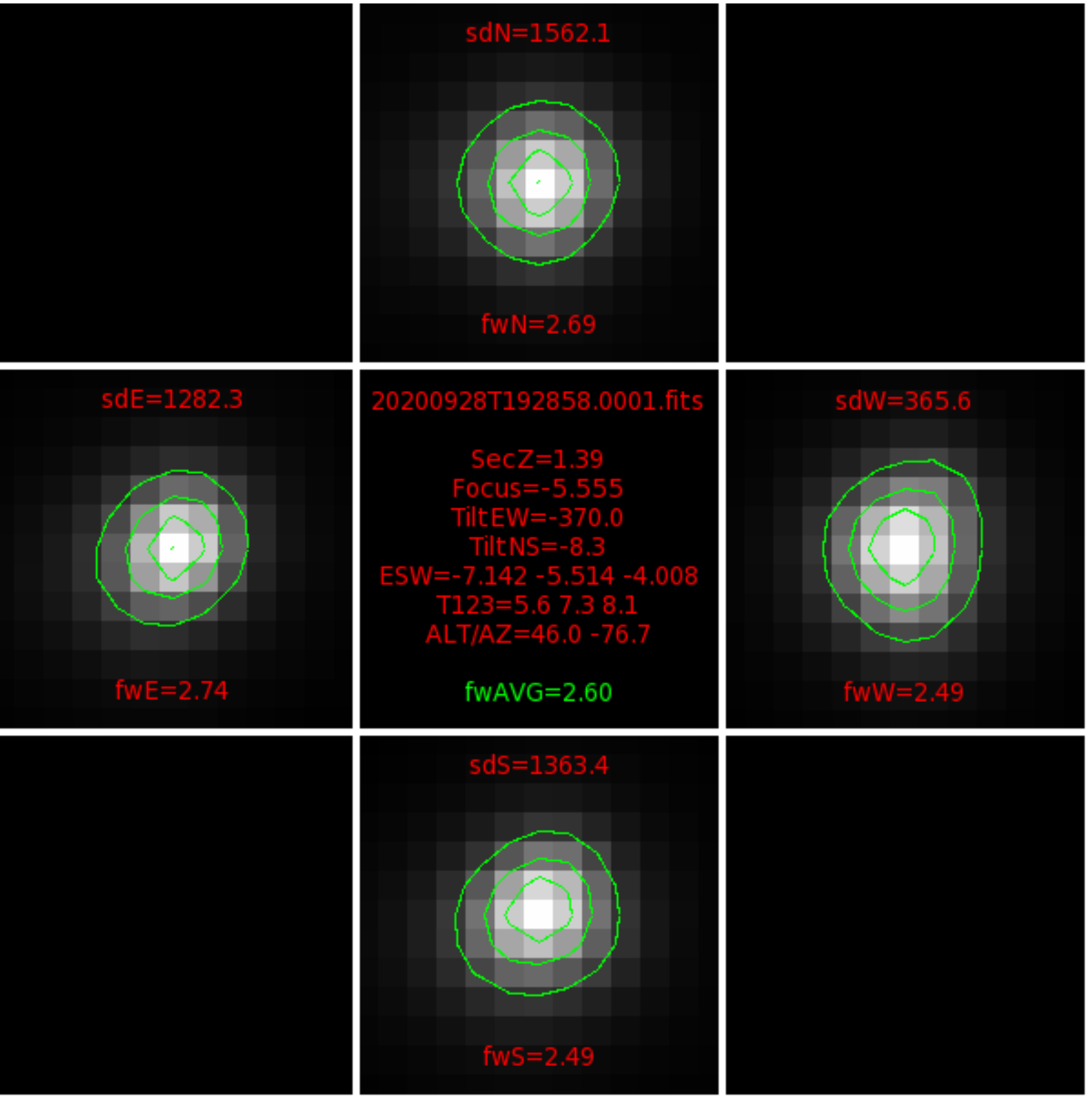
sdN=1562.1
fwN=2.69
sdE=1282.3
fwE=2.74
20200928T192858.0001.fits
SecZ=1.39
Focus=-5.555
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.142 -5.514 -4.008
T123=5.6 7.3 8.1
ALT/AZ=46.0 -76.7
fwAVG=2.60
sdW=365.6
fwW=2.49
sdS=1363.4
fwS=2.49
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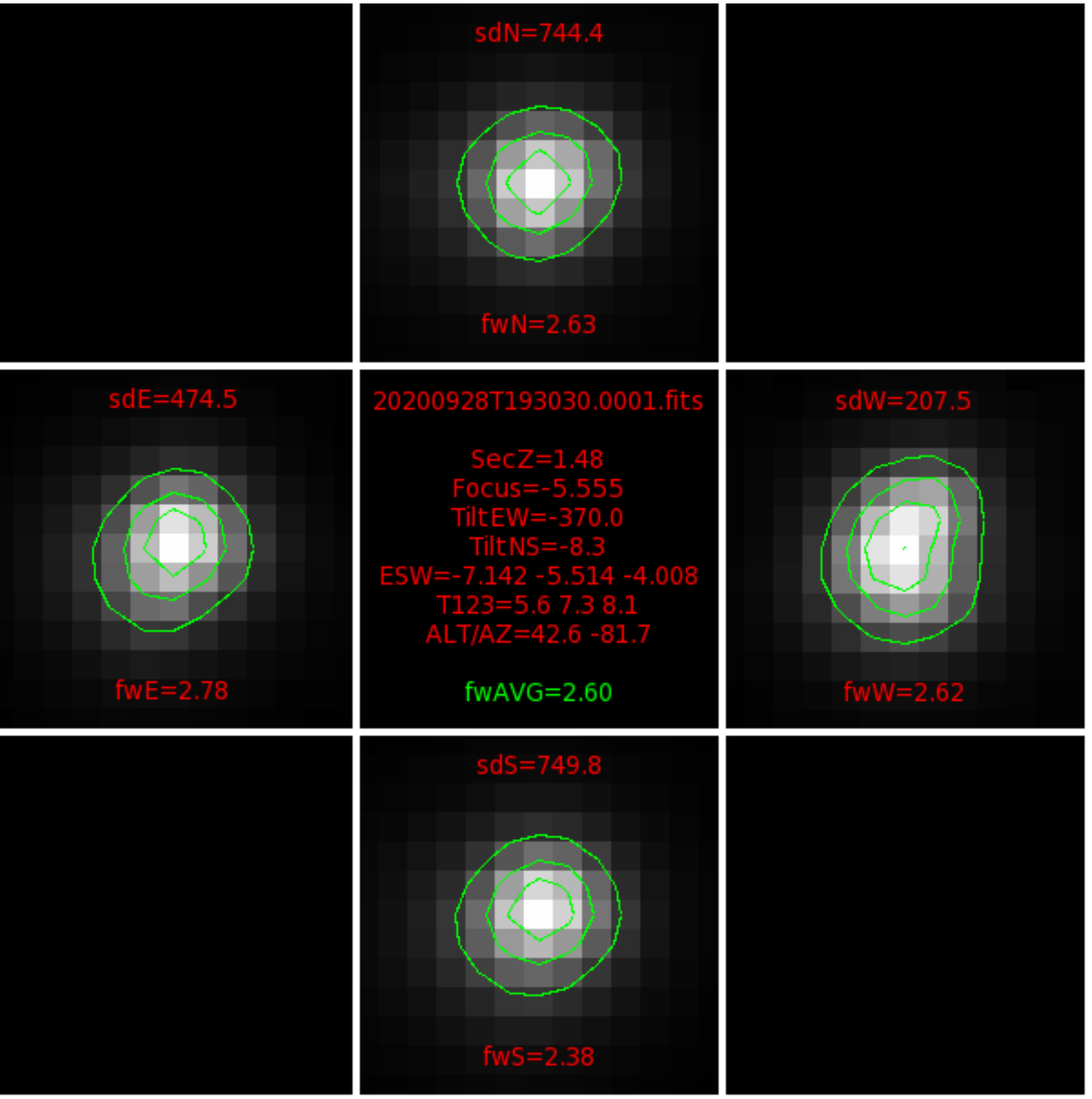
sdN=744.4
fwN=2.63
sdE=474.5
fwE=2.78
20200928T193030.0001.fits
SecZ=1.48
Focus=-5.555
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.142 -5.514 -4.008
T123=5.6 7.3 8.1
ALT/AZ=42.6 -81.7
fwAVG=2.60
sdW=207.5
fwW=2.62
sdS=749.8
fwS=2.38
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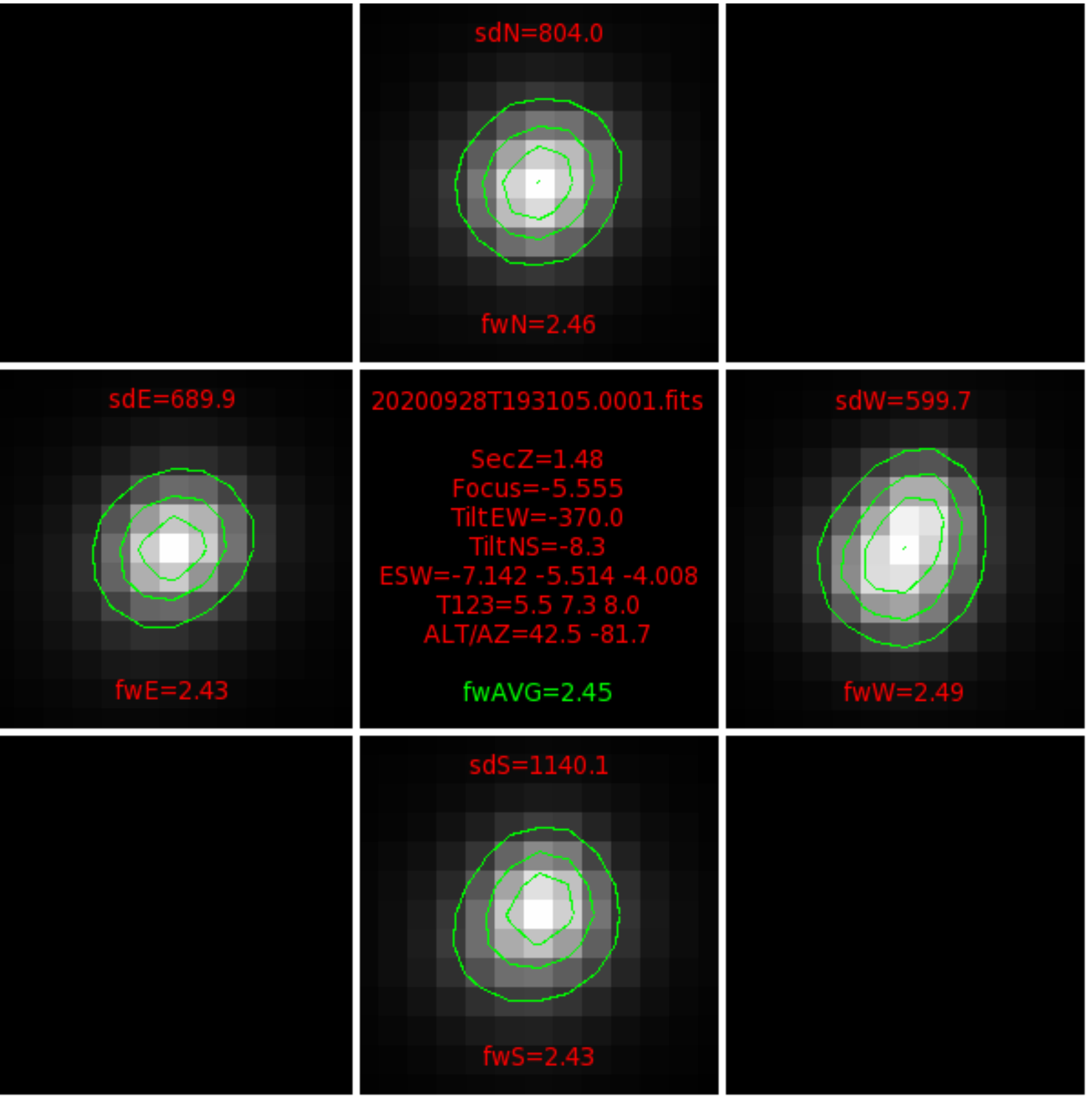
sdN=804.0
fwN=2.46
sdE=689.9
fwE=2.43
20200928T193105.0001.fits
SecZ=1.48
Focus=-5.555
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.142 -5.514 -4.008
T123=5.5 7.3 8.0
ALT/AZ=42.5 -81.7
fwAVG=2.45
sdW=599.7
fwW=2.49
sdS=1140.1
fwS=2.43
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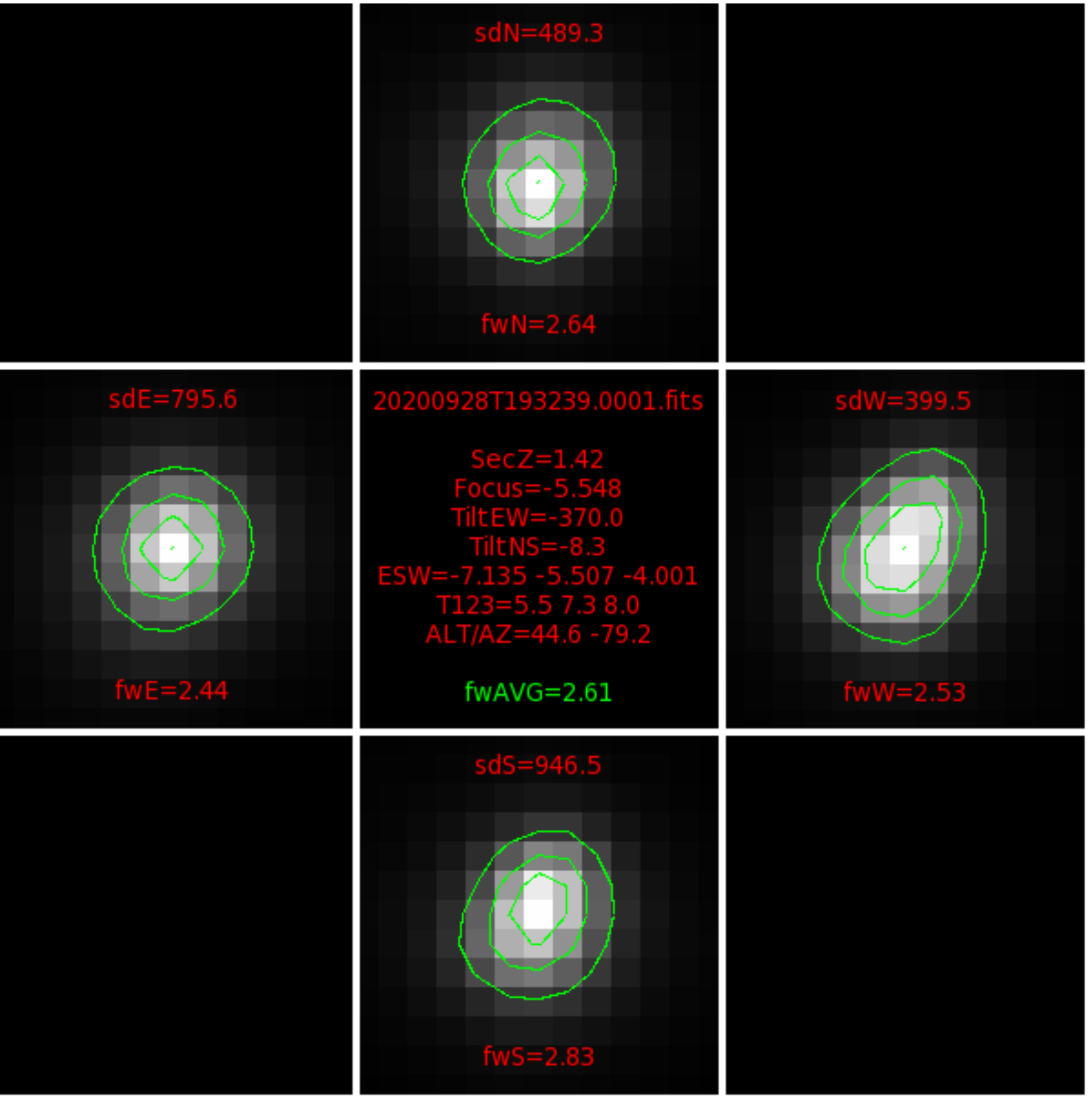
sdN=489.3
fwN=2.64
sdE=795.6
fwE=2.44
20200928T193239.0001.fits
SecZ=1.42
Focus=-5.548
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.135 -5.507 -4.001
T123=5.5 7.3 8.0
ALT/AZ=44.6 -79.2
fwAVG=2.61
sdW=399.5
fwW=2.53
sdS=946.5
fwS=2.83
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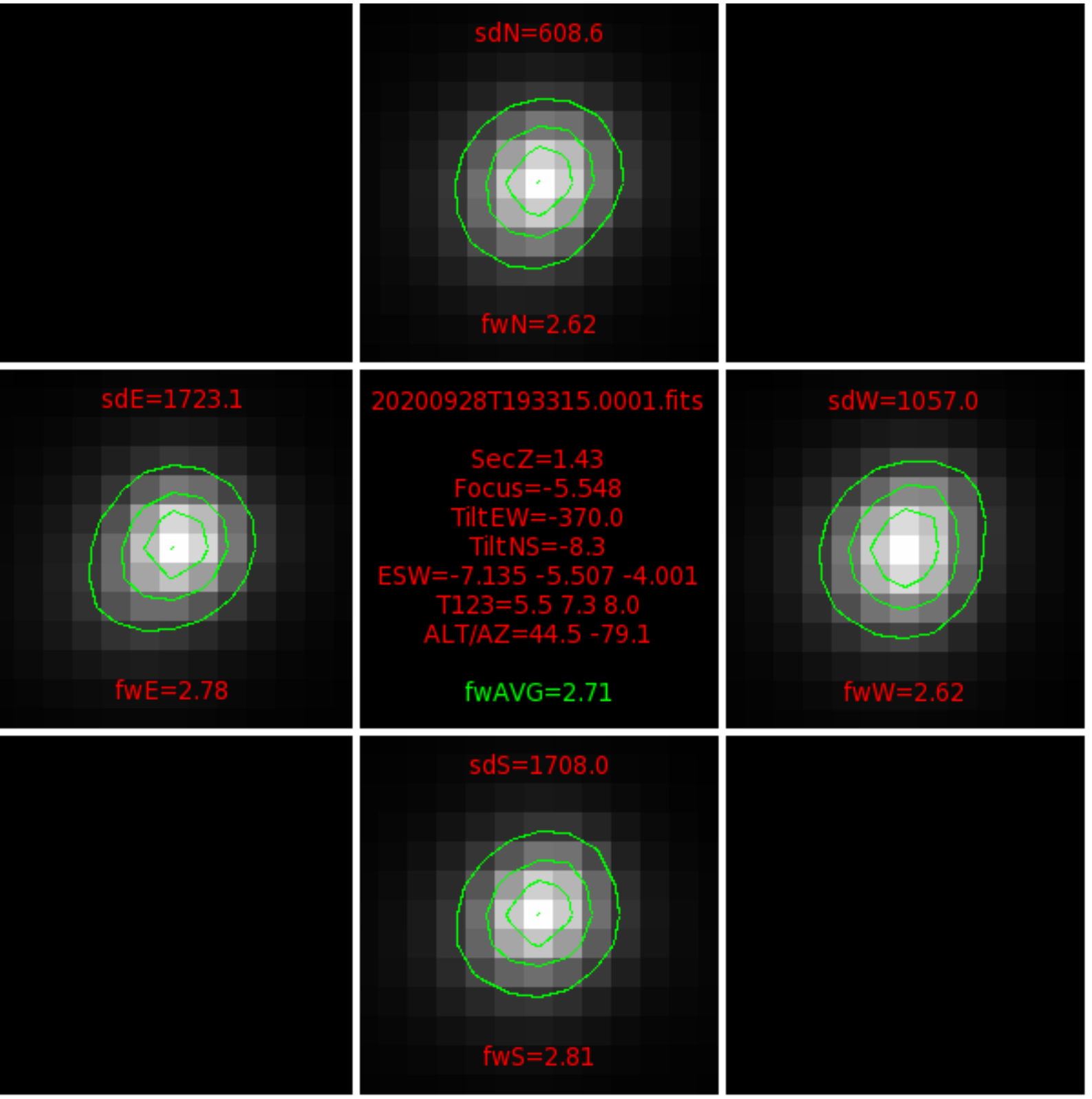
sdN=608.6
fwN=2.62
sdE=1723.1
fwE=2.78
20200928T193315.0001.fits
SecZ=1.43
Focus=-5.548
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.135 -5.507 -4.001
T123=5.5 7.3 8.0
ALT/AZ=44.5 -79.1
fwAVG=2.71
sdW=1057.0
fwW=2.62
sdS=1708.0
fwS=2.81
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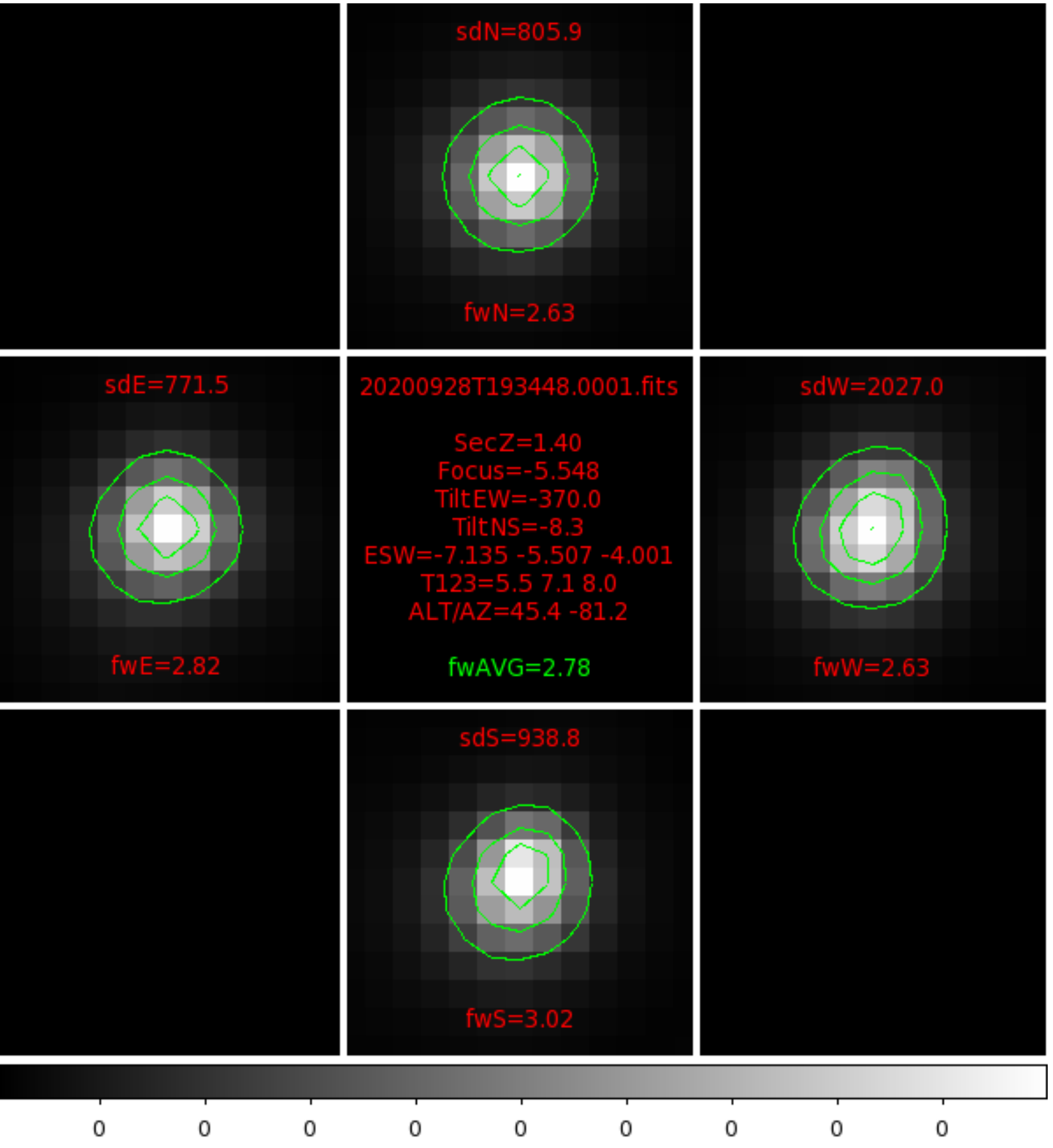
sdN=805.9
fwN=2.63
sdE=771.5
fwE=2.82
20200928T193448.0001.fits
SecZ=1.40
Focus=-5.548
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.135 -5.507 -4.001
T123=5.5 7.1 8.0
ALT/AZ=45.4 -81.2
fwAVG=2.78
sdW=2027.0
fwW=2.63
sdS=938.8
fwS=3.02
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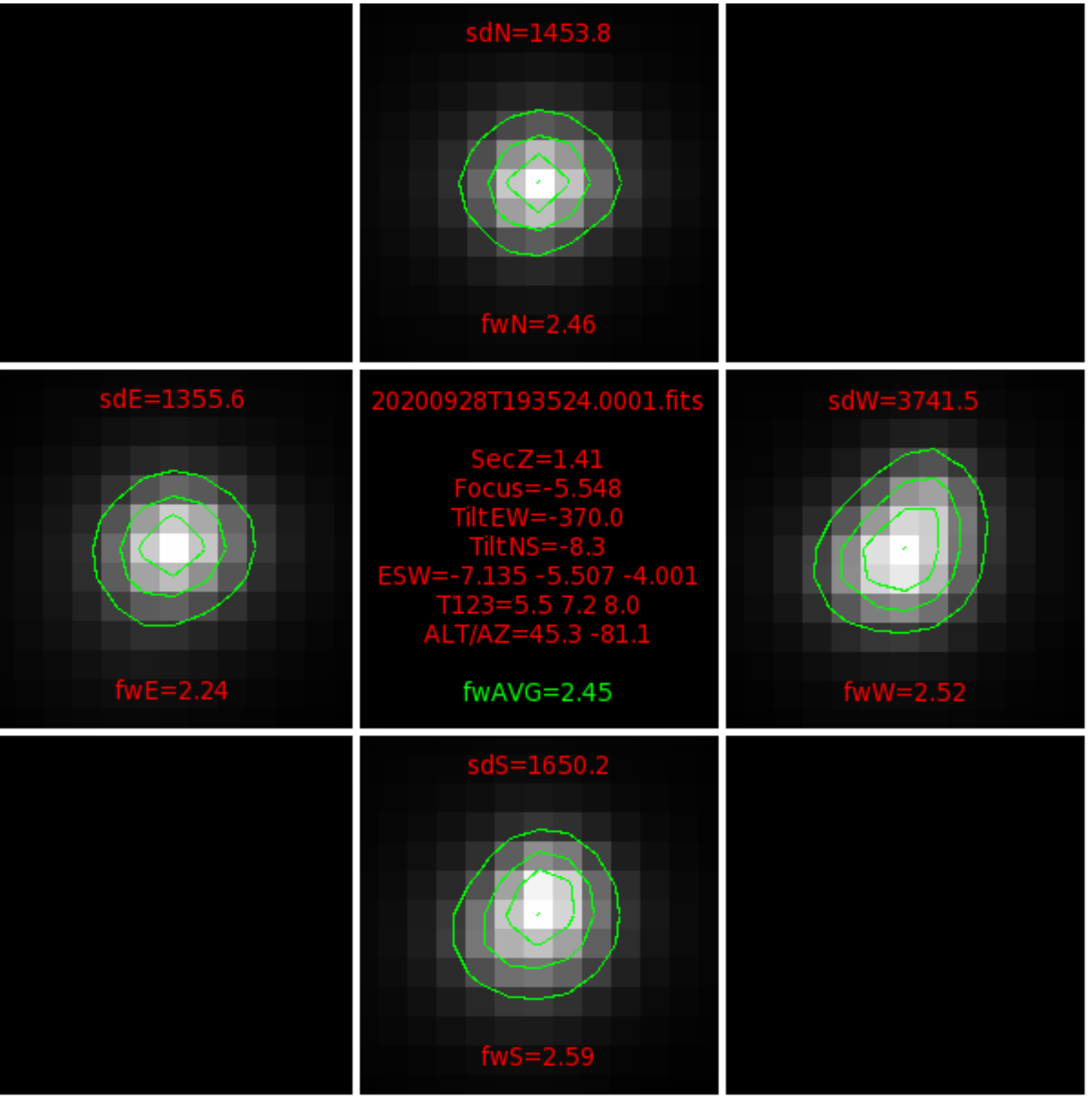
sdN=1453.8
fwN=2.46
sdE=1355.6
fwE=2.24
20200928T193524.0001.fits
SecZ=1.41
Focus=-5.548
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.135 -5.507 -4.001
T123=5.5 7.2 8.0
ALT/AZ=45.3 -81.1
fwAVG=2.45
sdW=3741.5
fwW=2.52
sdS=1650.2
fwS=2.59
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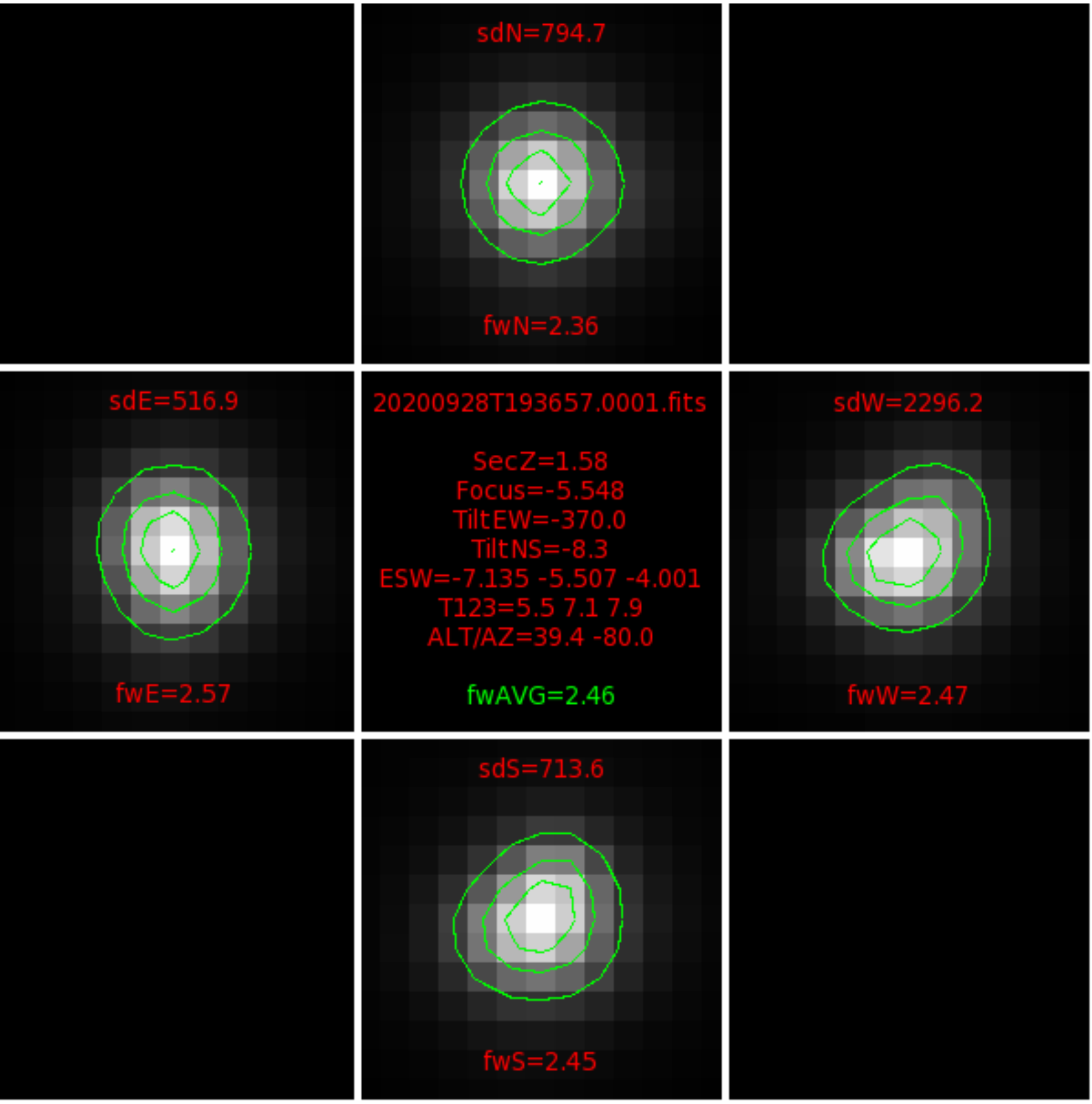
sdN=794.7
fwN=2.36
sdE=516.9
fwE=2.57
20200928T193657.0001.fits
SecZ=1.58
Focus=-5.548
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.135 -5.507 -4.001
T123=5.5 7.1 7.9
ALT/AZ=39.4 -80.0
fwAVG=2.46
sdW=2296.2
fwW=2.47
sdS=713.6
fwS=2.45
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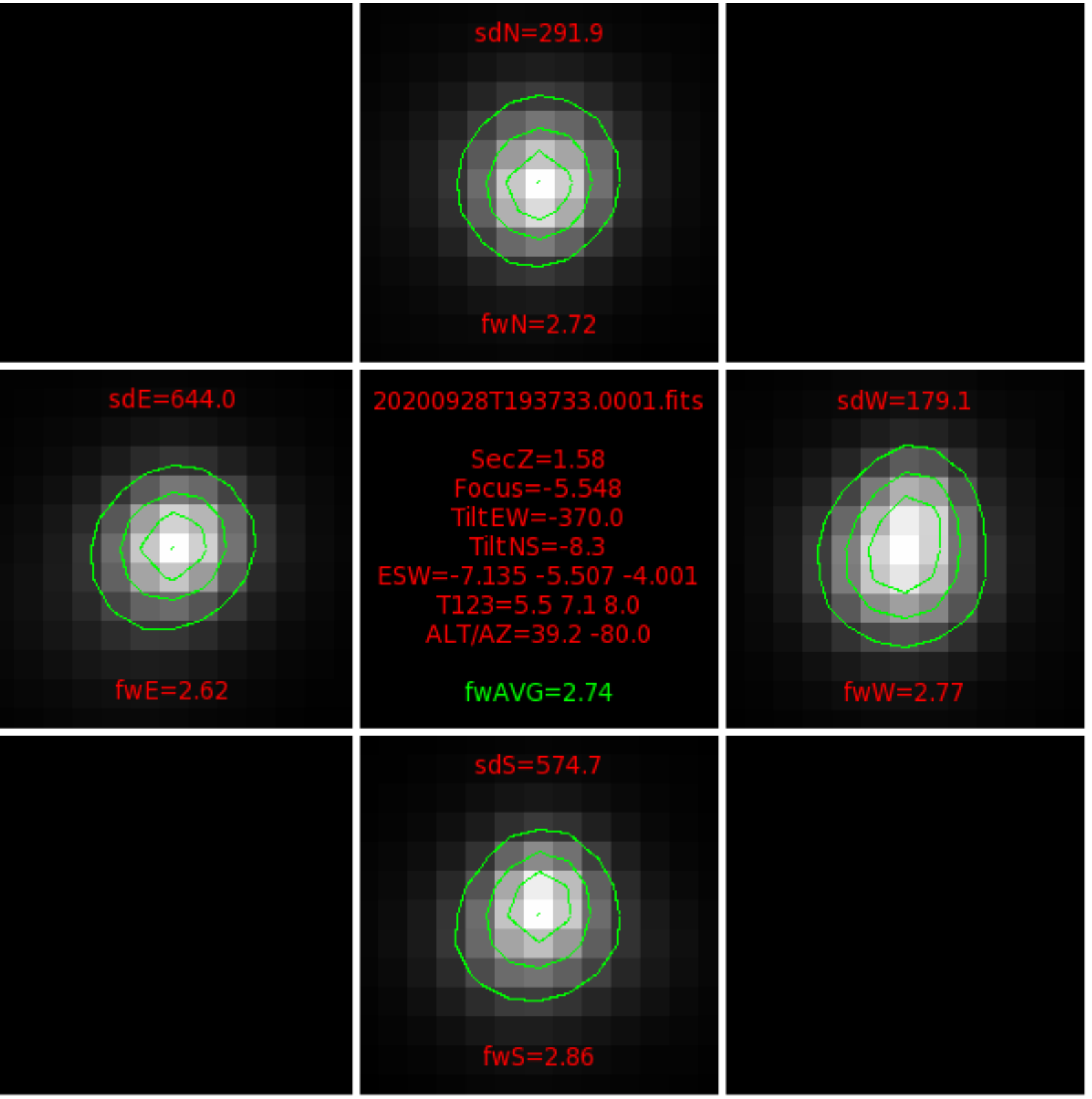
sdN=291.9
fwN=2.72
sdE=644.0
fwE=2.62
20200928T193733.0001.fits
SecZ=1.58
Focus=-5.548
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.135 -5.507 -4.001
T123=5.5 7.1 8.0
ALT/AZ=39.2 -80.0
fwAVG=2.74
sdW=179.1
fwW=2.77
sdS=574.7
fwS=2.86
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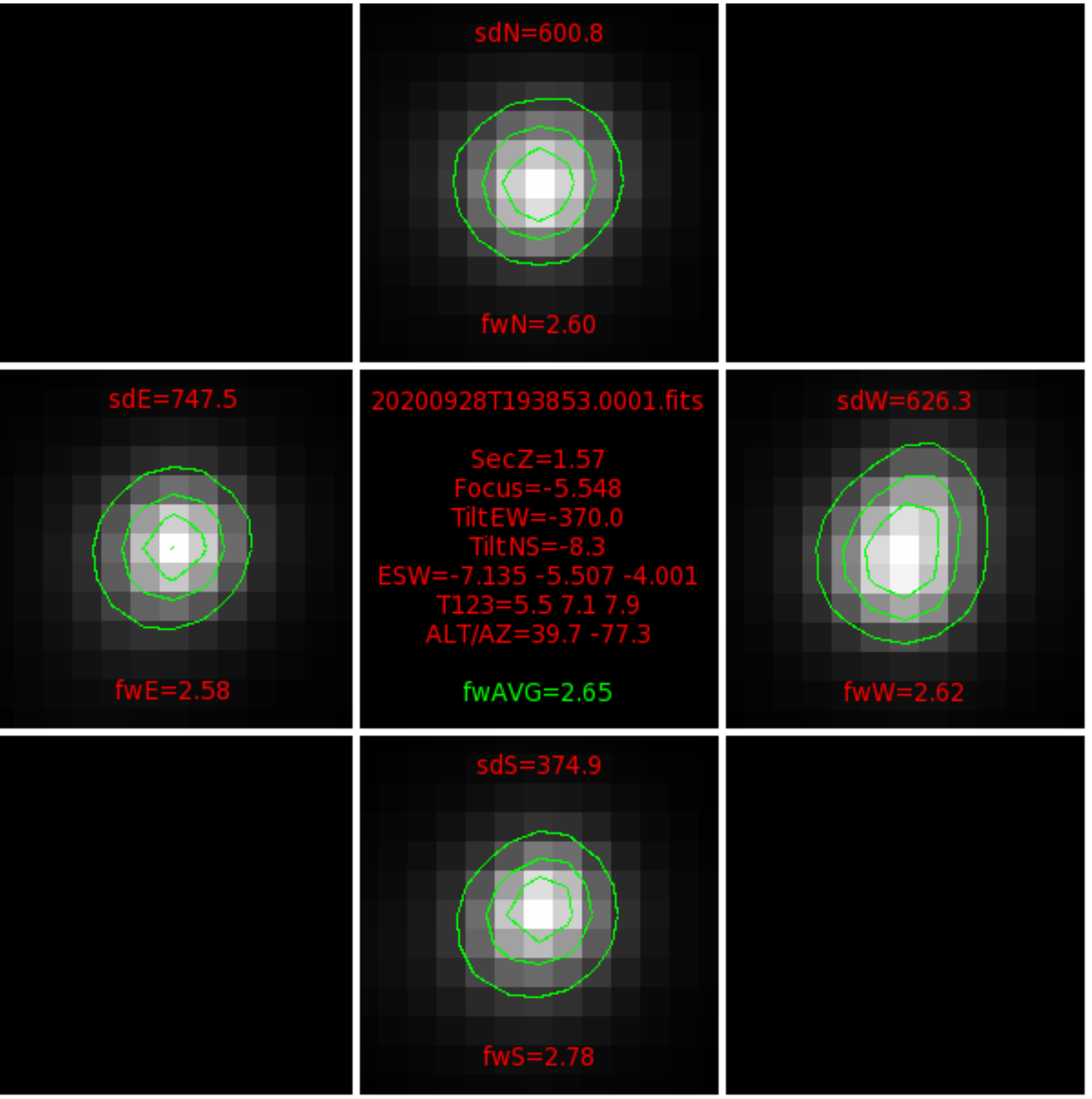
sdN=600.8
fwN=2.60
sdE=747.5
fwE=2.58
20200928T193853.0001.fits
SecZ=1.57
Focus=-5.548
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.135 -5.507 -4.001
T123=5.5 7.1 7.9
ALT/AZ=39.7 -77.3
fwAVG=2.65
sdW=626.3
fwW=2.62
sdS=374.9
fwS=2.78
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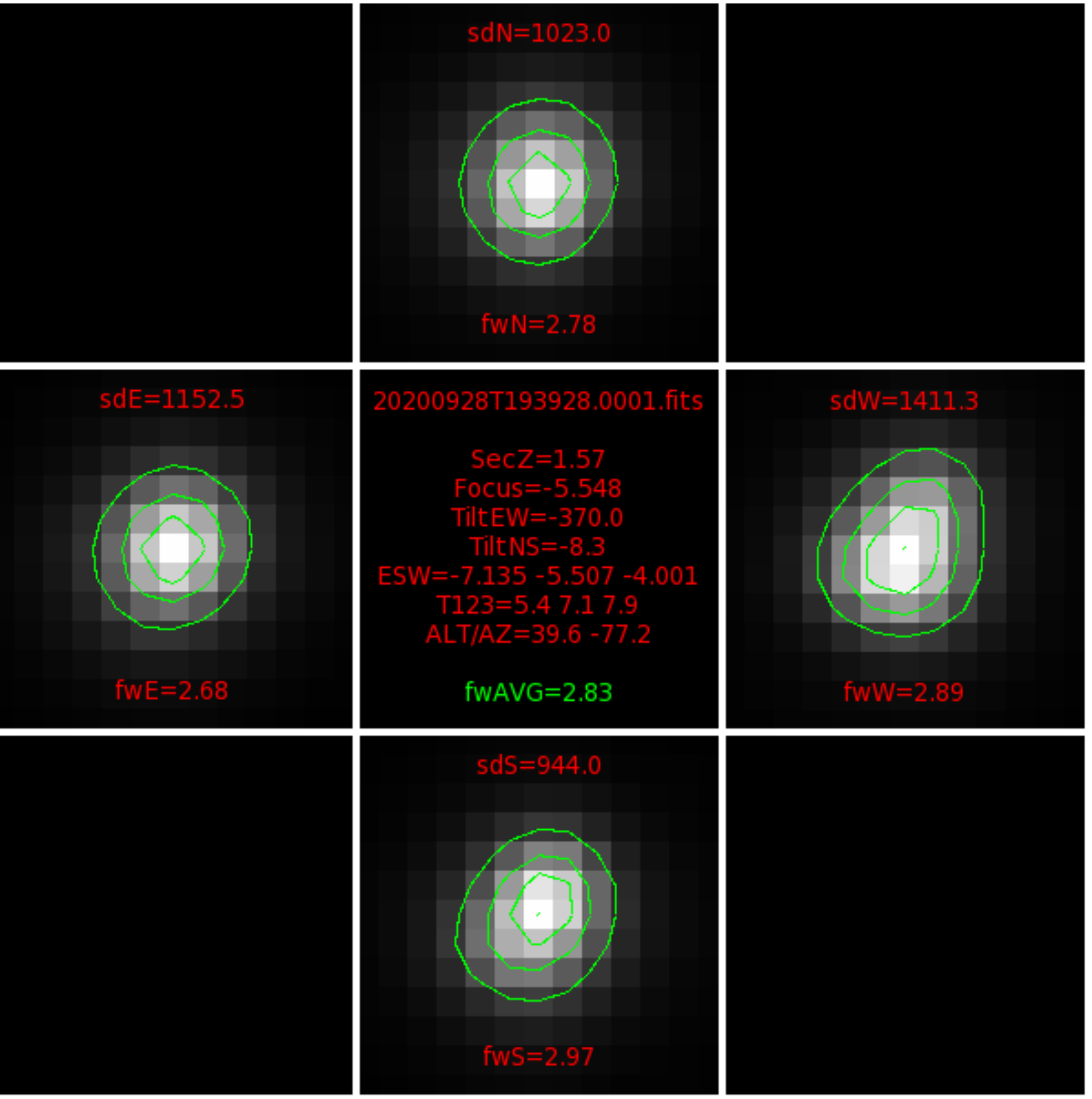
sdN=1023.0
fwN=2.78
sdE=1152.5
fwE=2.68
20200928T193928.0001.fits
SecZ=1.57
Focus=-5.548
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.135 -5.507 -4.001
T123=5.4 7.1 7.9
ALT/AZ=39.6 -77.2
fwAVG=2.83
sdW=1411.3
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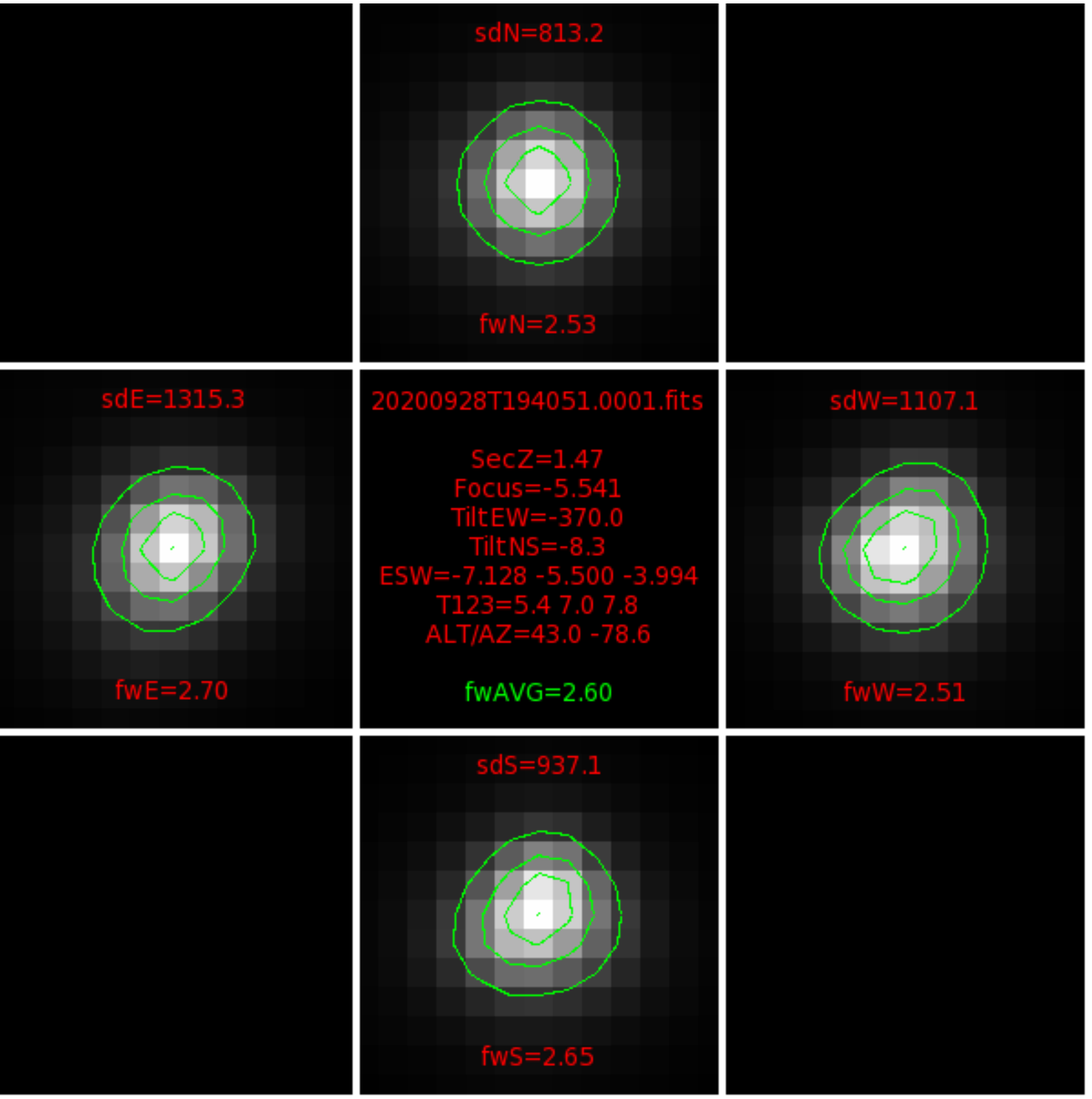
sdN=813.2
fwN=2.53
sdE=1315.3
fwE=2.70
20200928T194051.0001.fits
SecZ=1.47
Focus=-5.541
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.128 -5.500 -3.994
T123=5.4 7.0 7.8
ALT/AZ=43.0 -78.6
fwAVG=2.60
sdW=1107.1
fwW=2.51
sdS=937.1
fwS=2.65
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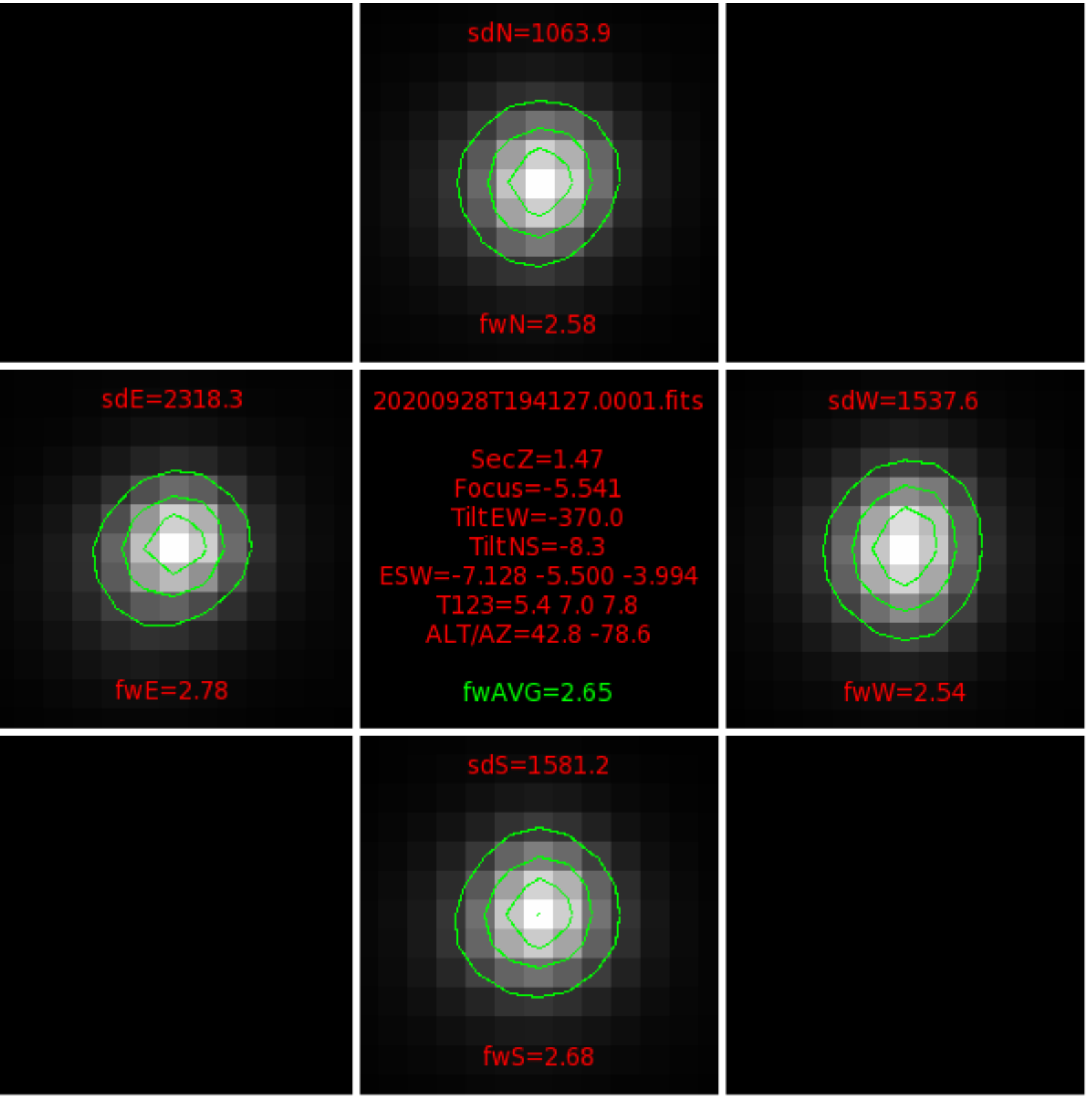
sdN=1063.9
fwN=2.58
sdE=2318.3
fwE=2.78
20200928T194127.0001.fits
SecZ=1.47
Focus=-5.541
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.128 -5.500 -3.994
T123=5.4 7.0 7.8
ALT/AZ=42.8 -78.6
fwAVG=2.65
sdW=1537.6
fwW=2.54
sdS=1581.2
fwS=2.68
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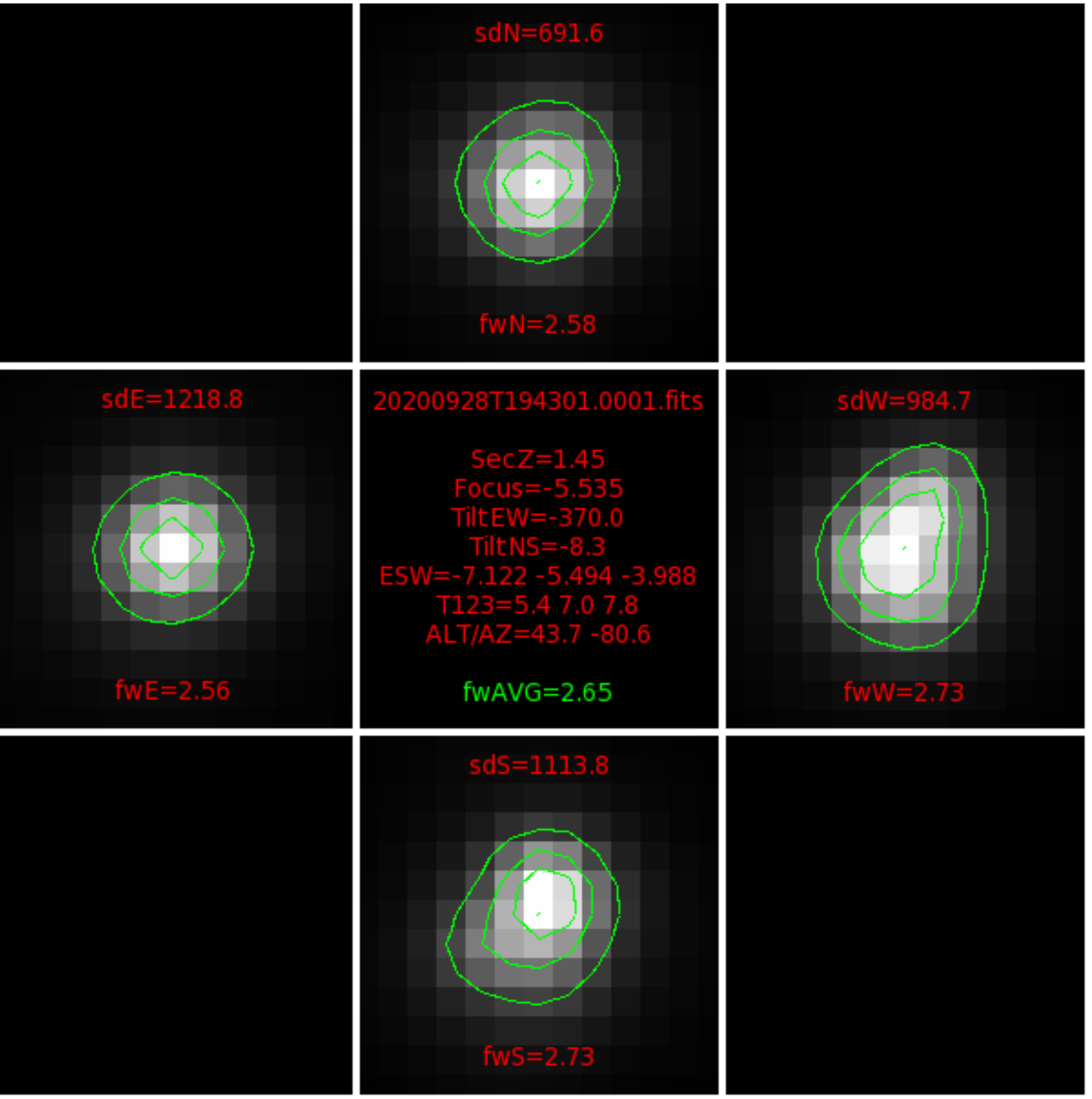
sdN=691.6
fwN=2.58
sdE=1218.8
fwE=2.56
20200928T194301.0001.fits
SecZ=1.45
Focus=-5.535
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.122 -5.494 -3.988
T123=5.4 7.0 7.8
ALT/AZ=43.7 -80.6
fwAVG=2.65
sdW=984.7
fwW=2.73
sdS=1113.8
fwS=2.73
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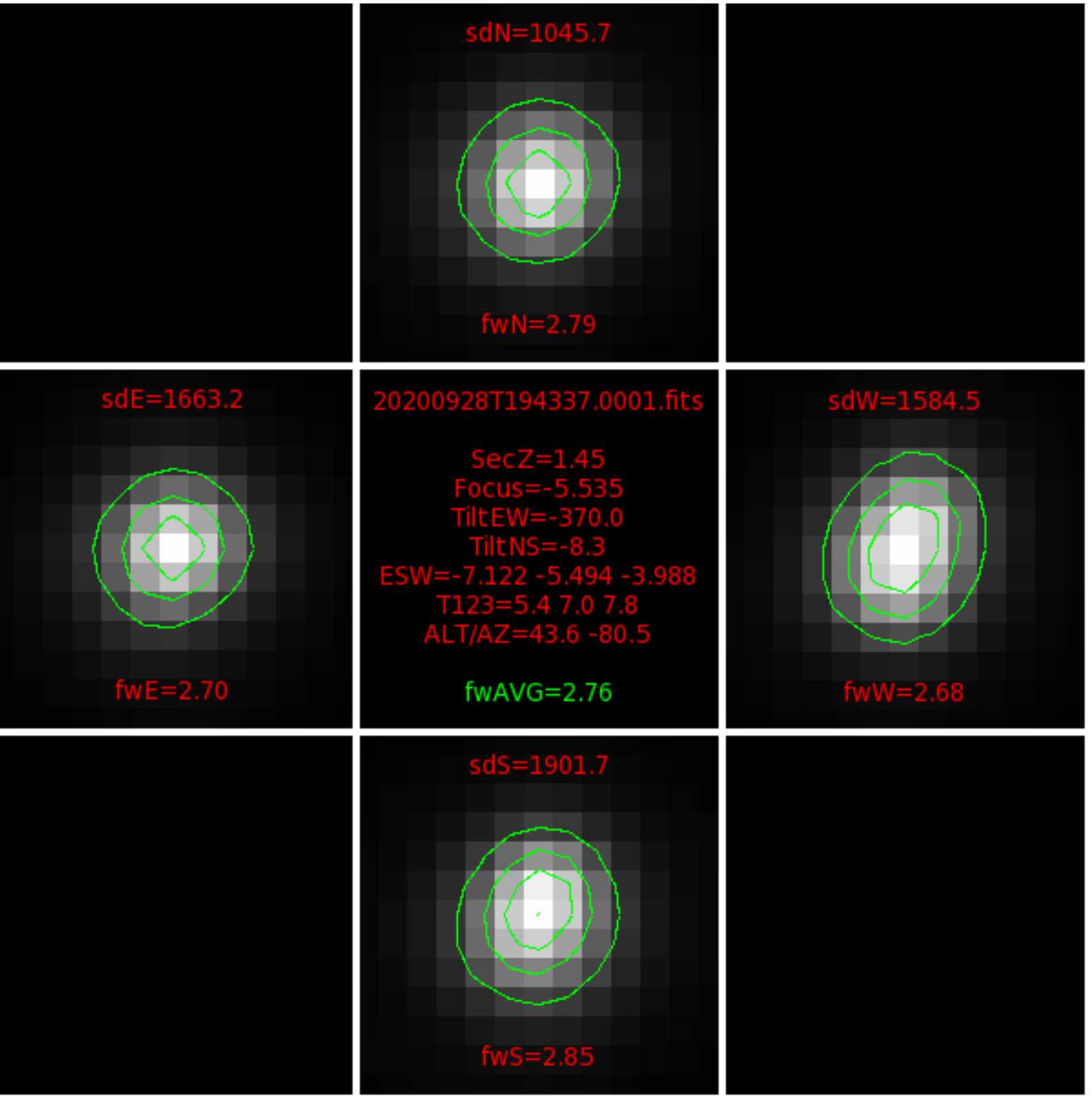
sdN=1045.7
fwN=2.79
sdE=1663.2
fwE=2.70
20200928T194337.0001.fits
SecZ=1.45
Focus=-5.535
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.122 -5.494 -3.988
T123=5.4 7.0 7.8
ALT/AZ=43.6 -80.5
fwAVG=2.76
sdW=1584.5
fwW=2.68
sdS=1901.7
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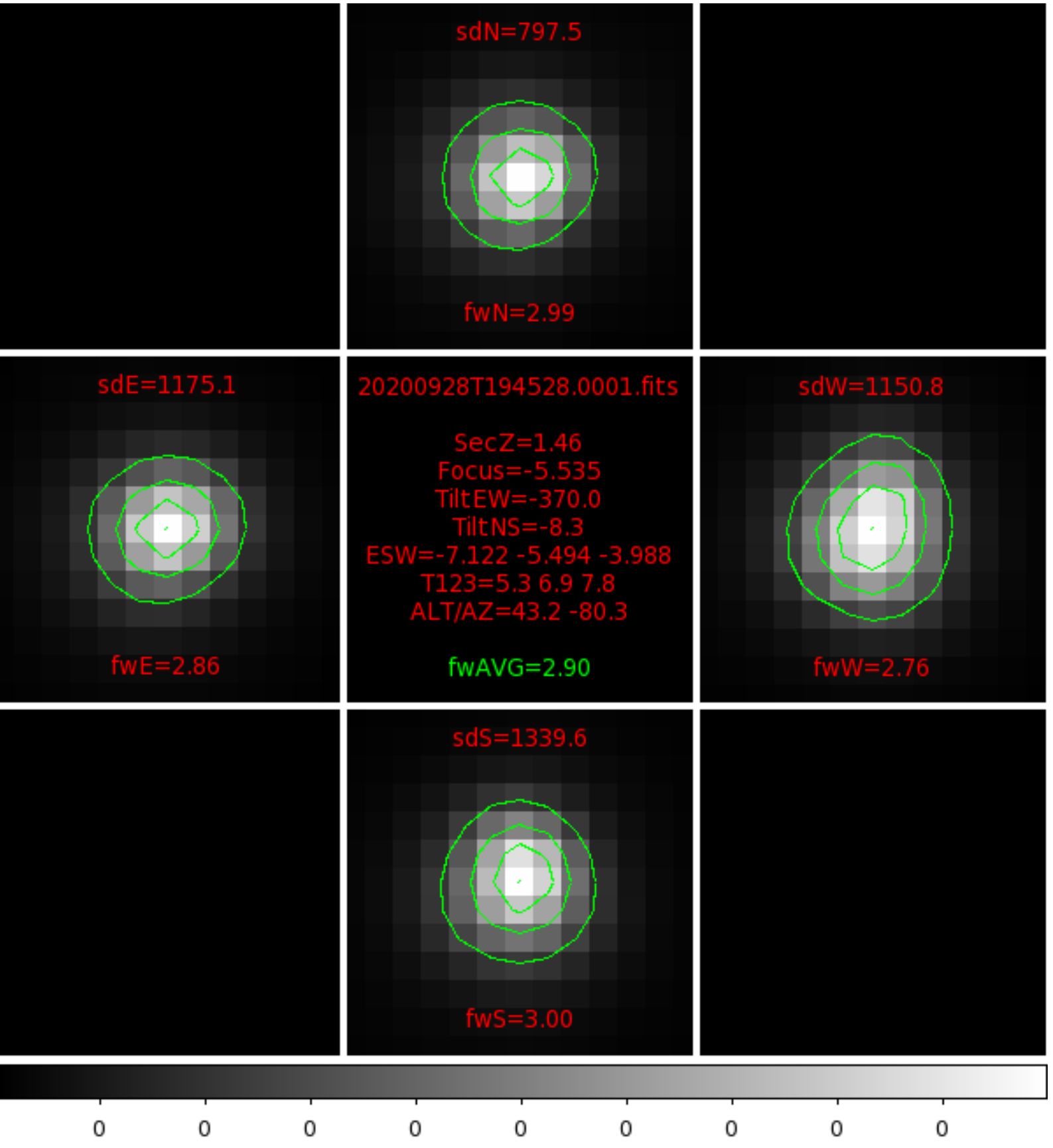
sdN=797.5
fwN=2.99
sdE=1175.1
fwE=2.86
20200928T194528.0001.fits
SecZ=1.46
Focus=-5.535
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.122 -5.494 -3.988
T123=5.3 6.9 7.8
ALT/AZ=43.2 -80.3
fwAVG=2.90
sdW=1150.8
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sdS=1339.6
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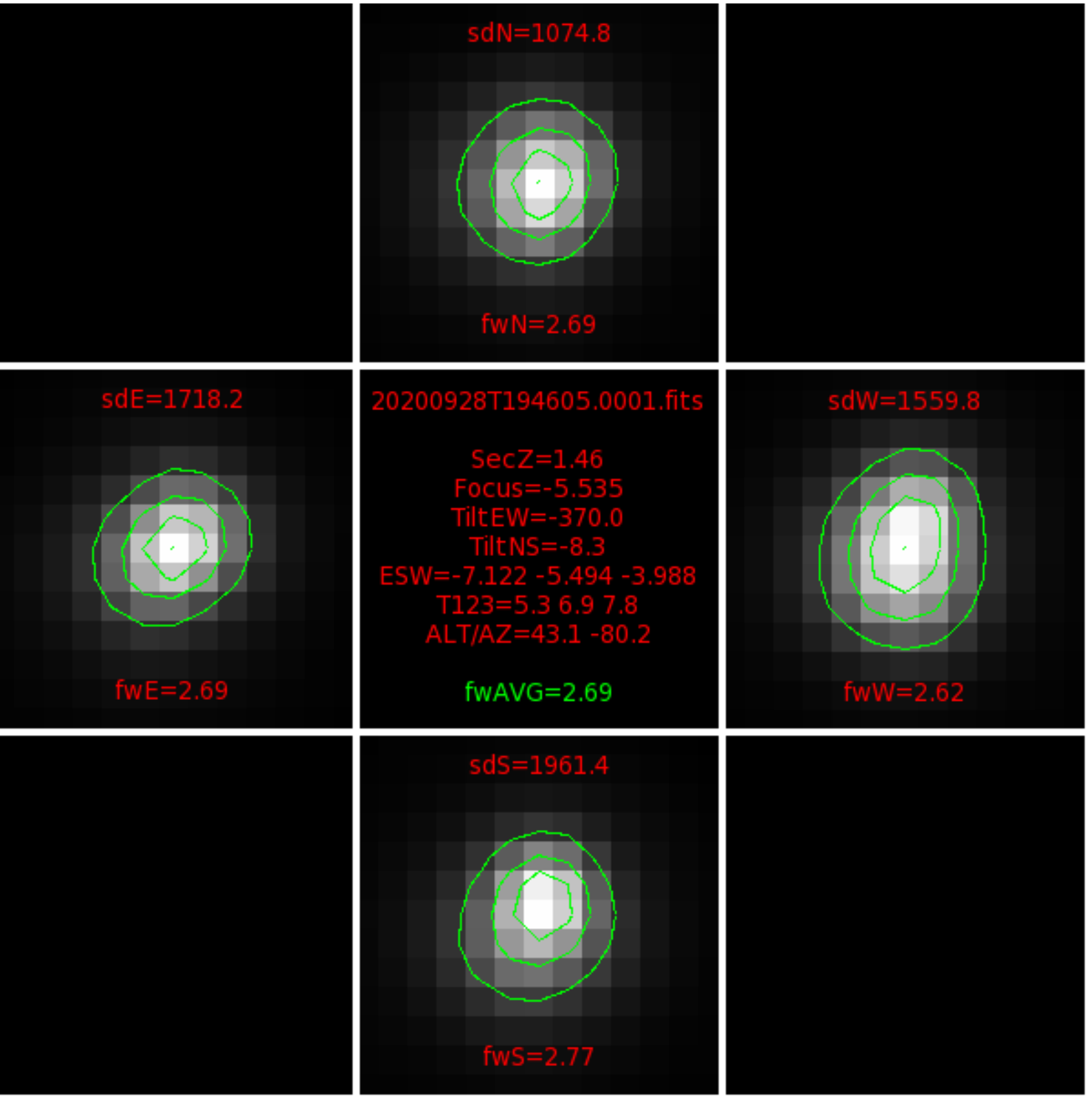
sdN=1074.8
fwN=2.69
sdE=1718.2
fwE=2.69
20200928T194605.0001.fits
SecZ=1.46
Focus=-5.535
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.122 -5.494 -3.988
T123=5.3 6.9 7.8
ALT/AZ=43.1 -80.2
fwAVG=2.69
sdW=1559.8
fwW=2.62
sdS=1961.4
fwS=2.77
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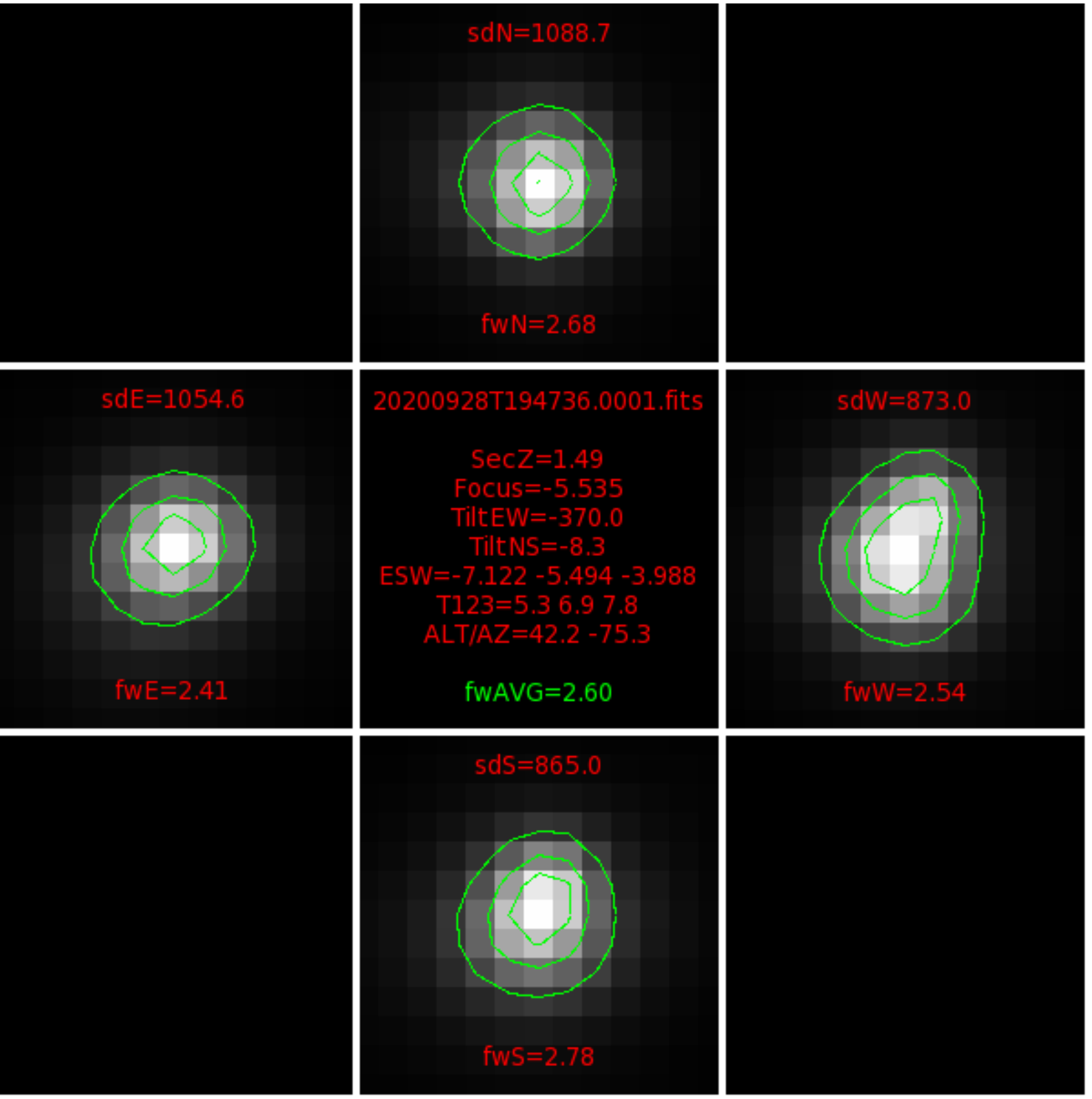
sdN=1088.7
fwN=2.68
sdE=1054.6
fwE=2.41
20200928T194736.0001.fits
SecZ=1.49
Focus=-5.535
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.122 -5.494 -3.988
T123=5.3 6.9 7.8
ALT/AZ=42.2 -75.3
fwAVG=2.60
sdW=873.0
fwW=2.54
sdS=865.0
fwS=2.78
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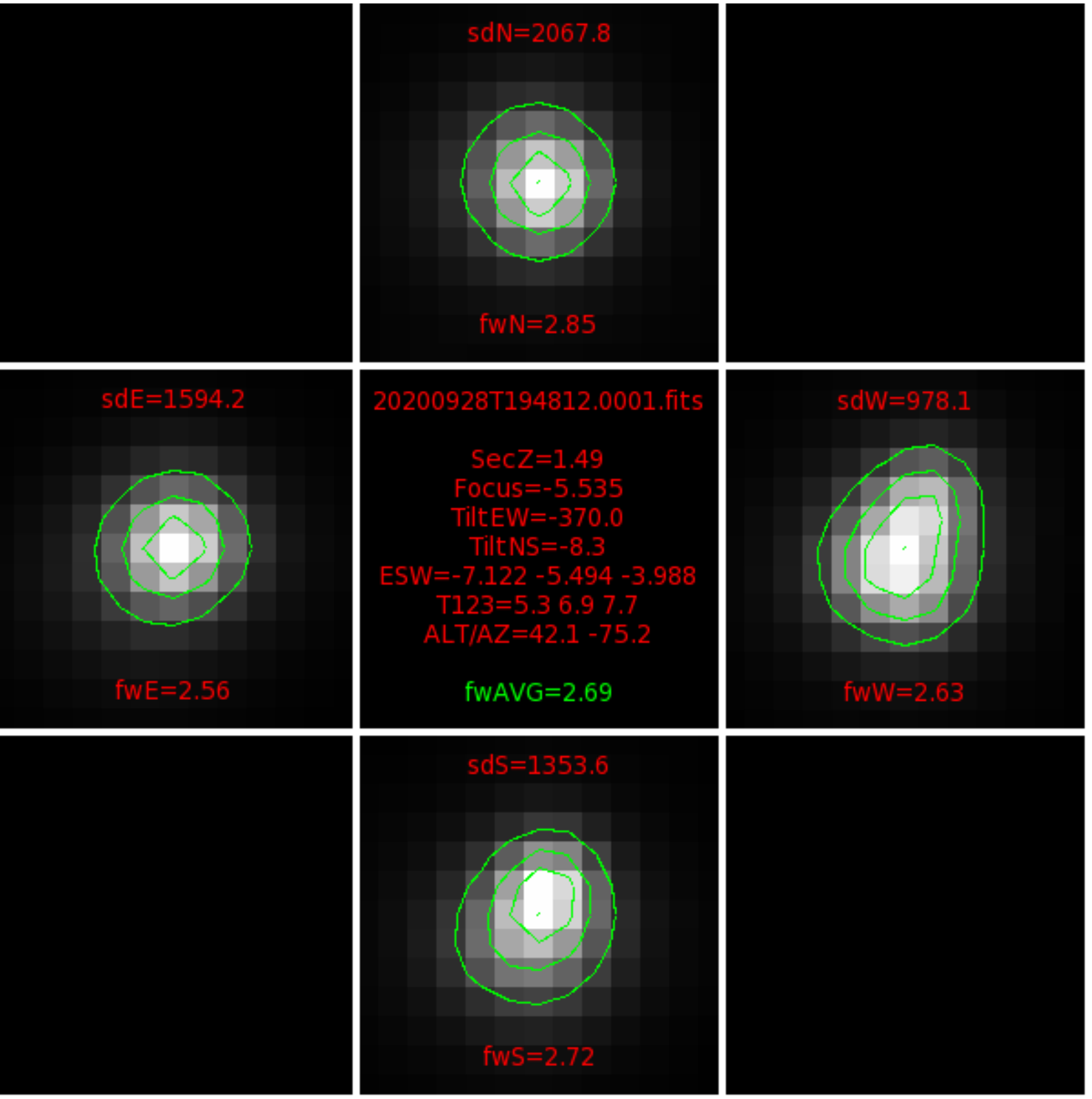
sdN=2067.8
fwN=2.85
sdE=1594.2
fwE=2.56
20200928T194812.0001.fits
SecZ=1.49
Focus=-5.535
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.122 -5.494 -3.988
T123=5.3 6.9 7.7
ALT/AZ=42.1 -75.2
fwAVG=2.69
sdW=978.1
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sdS=1353.6
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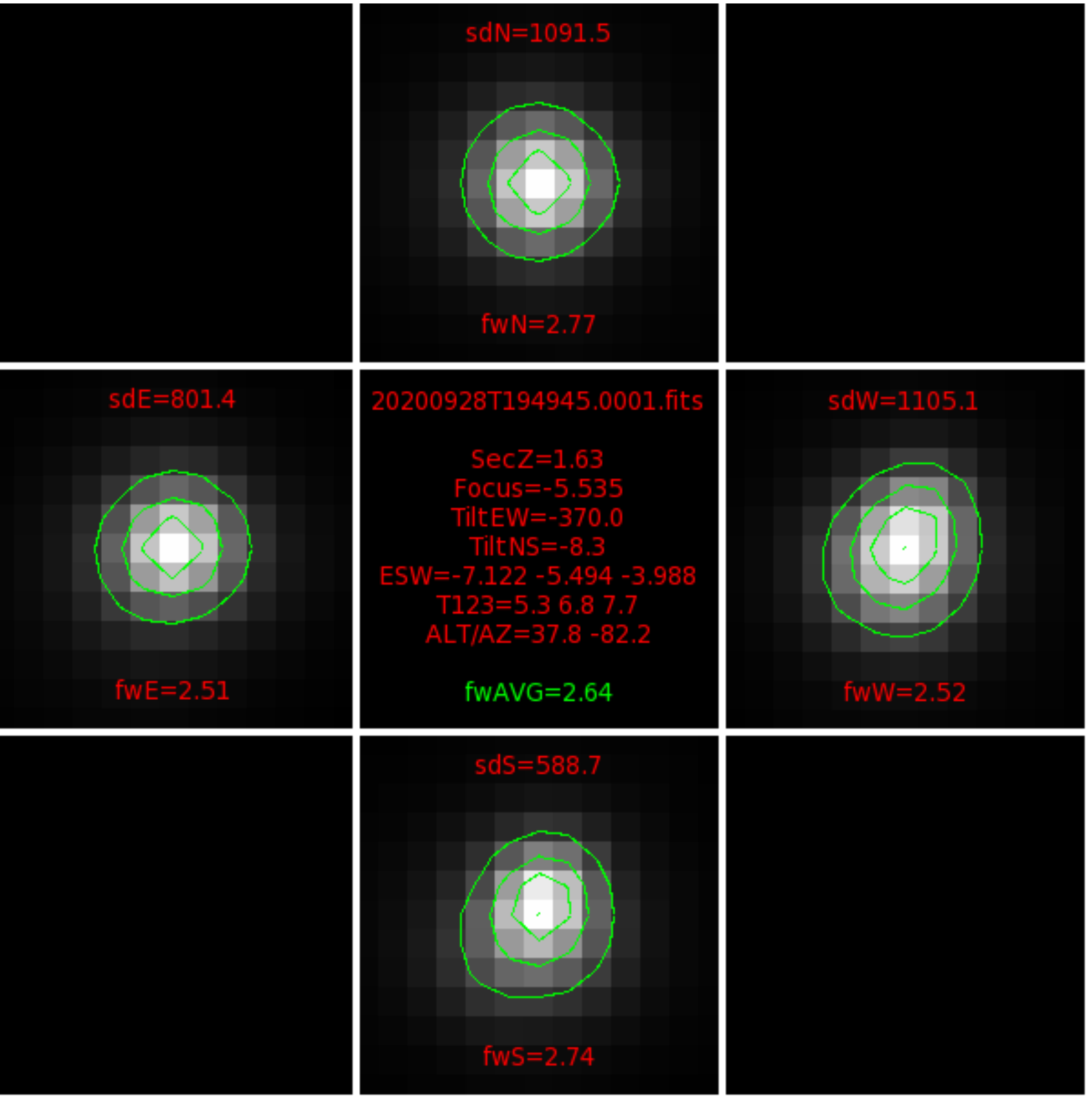
sdN=1091.5
fwN=2.77
sdE=801.4
fwE=2.51
20200928T194945.0001.fits
SecZ=1.63
Focus=-5.535
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.122 -5.494 -3.988
T123=5.3 6.8 7.7
ALT/AZ=37.8 -82.2
fwAVG=2.64
sdW=1105.1
fwW=2.52
sdS=588.7
fwS=2.74
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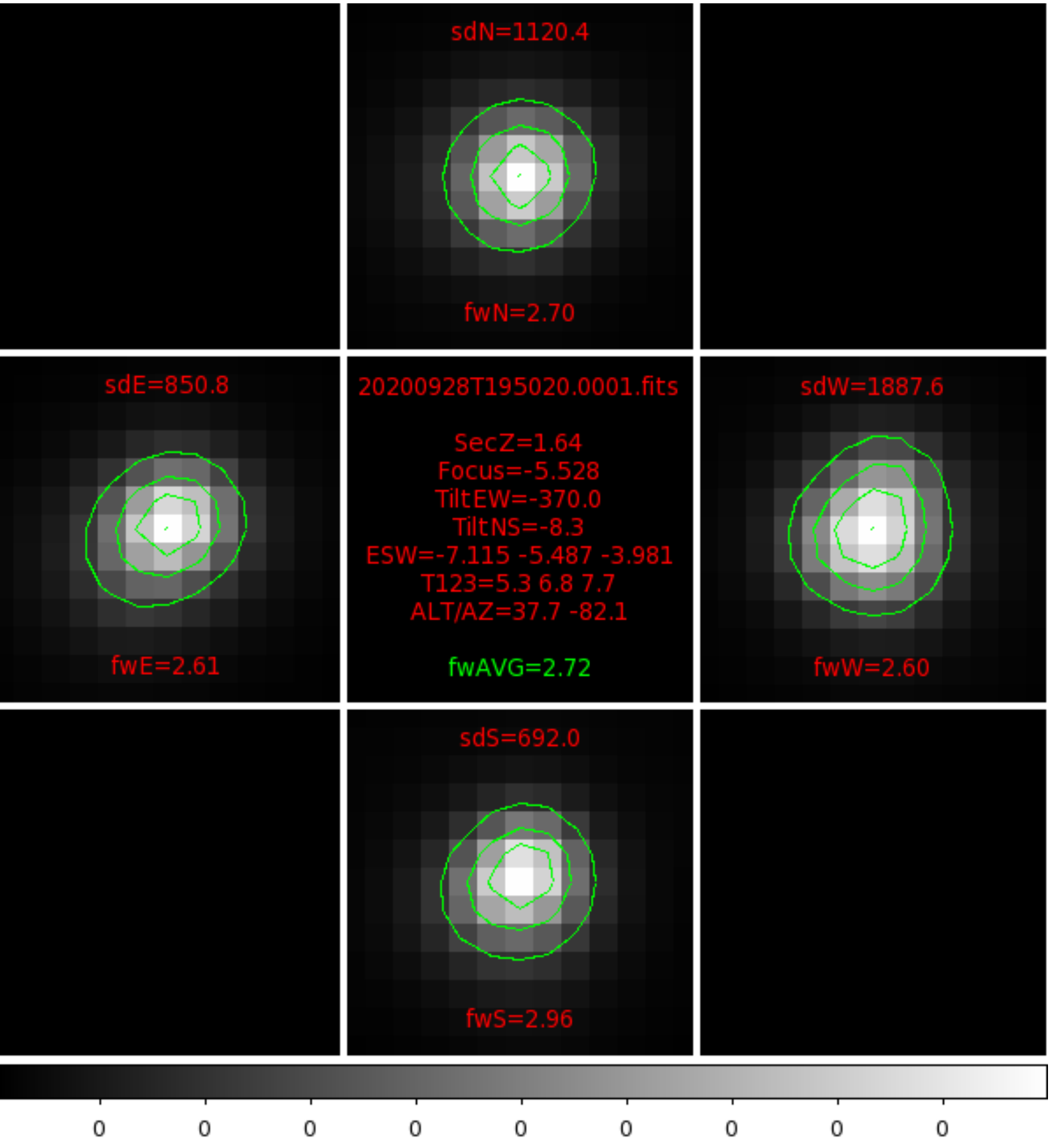
sdN=1120.4
fwN=2.70
sdE=850.8
fwE=2.61
20200928T195020.0001.fits
SecZ=1.64
Focus=-5.528
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.115 -5.487 -3.981
T123=5.3 6.8 7.7
ALT/AZ=37.7 -82.1
fwAVG=2.72
sdW=1887.6
fwW=2.60
sdS=692.0
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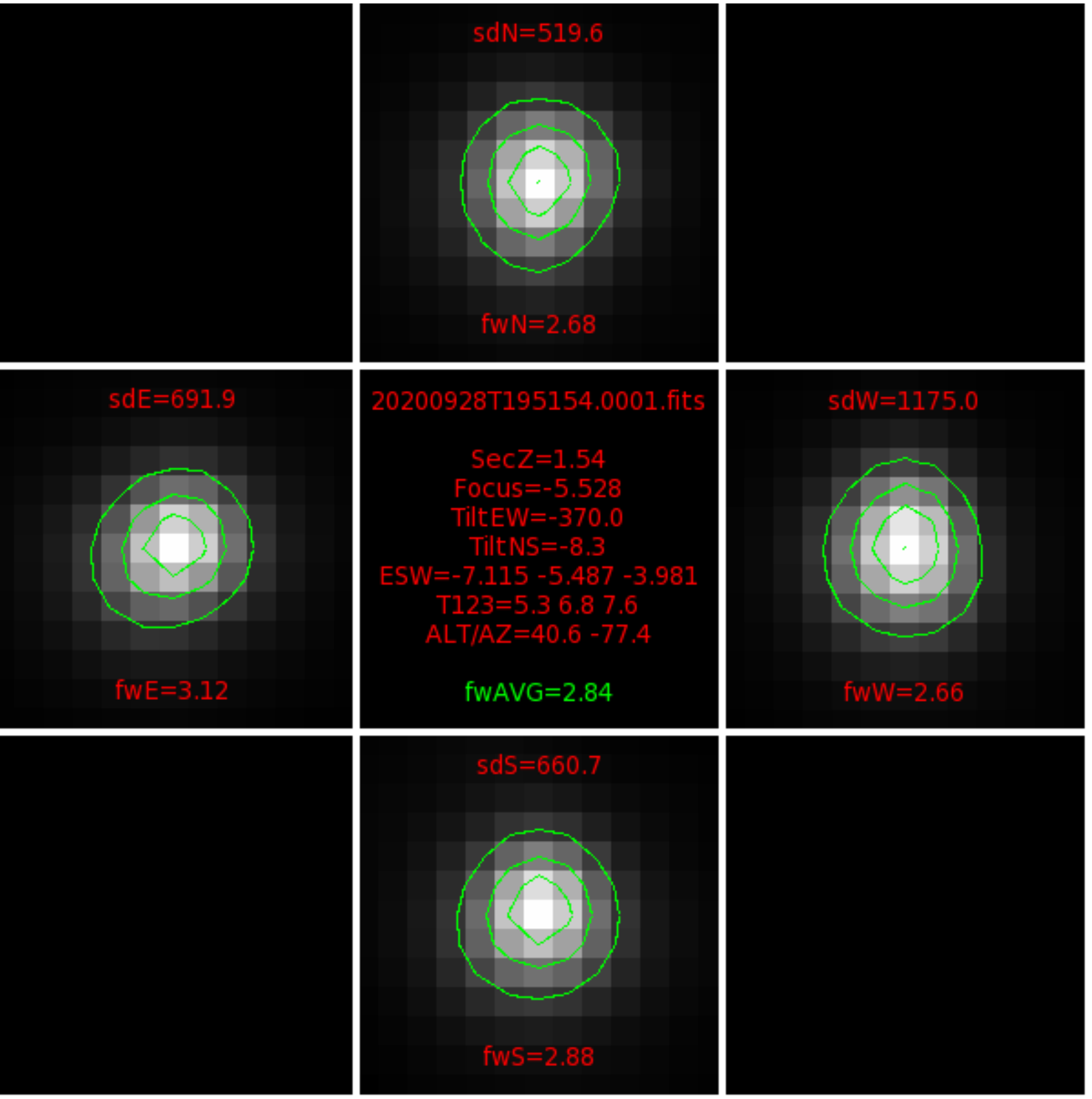
sdN=519.6
fwN=2.68
sdE=691.9
fwE=3.12
20200928T195154.0001.fits
SecZ=1.54
Focus=-5.528
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.115 -5.487 -3.981
T123=5.3 6.8 7.6
ALT/AZ=40.6 -77.4
fwAVG=2.84
sdW=1175.0
fwW=2.66
sdS=660.7
fwS=2.88
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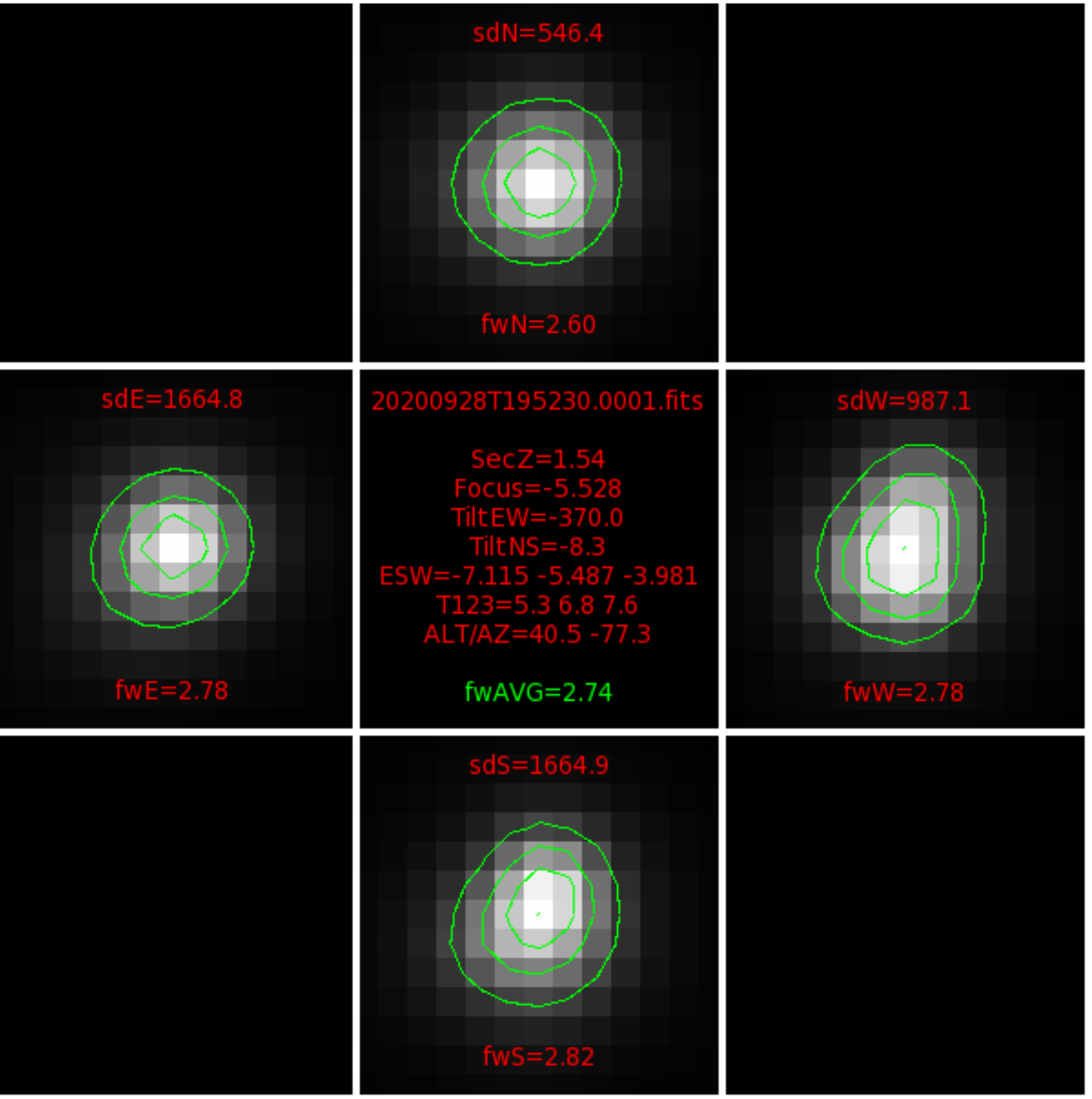
sdN=546.4
fwN=2.60
sdE=1664.8
fwE=2.78
20200928T195230.0001.fits
SecZ=1.54
Focus=-5.528
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.115 -5.487 -3.981
T123=5.3 6.8 7.6
ALT/AZ=40.5 -77.3
fwAVG=2.74
sdW=987.1
fwW=2.78
sdS=1664.9
fwS=2.82
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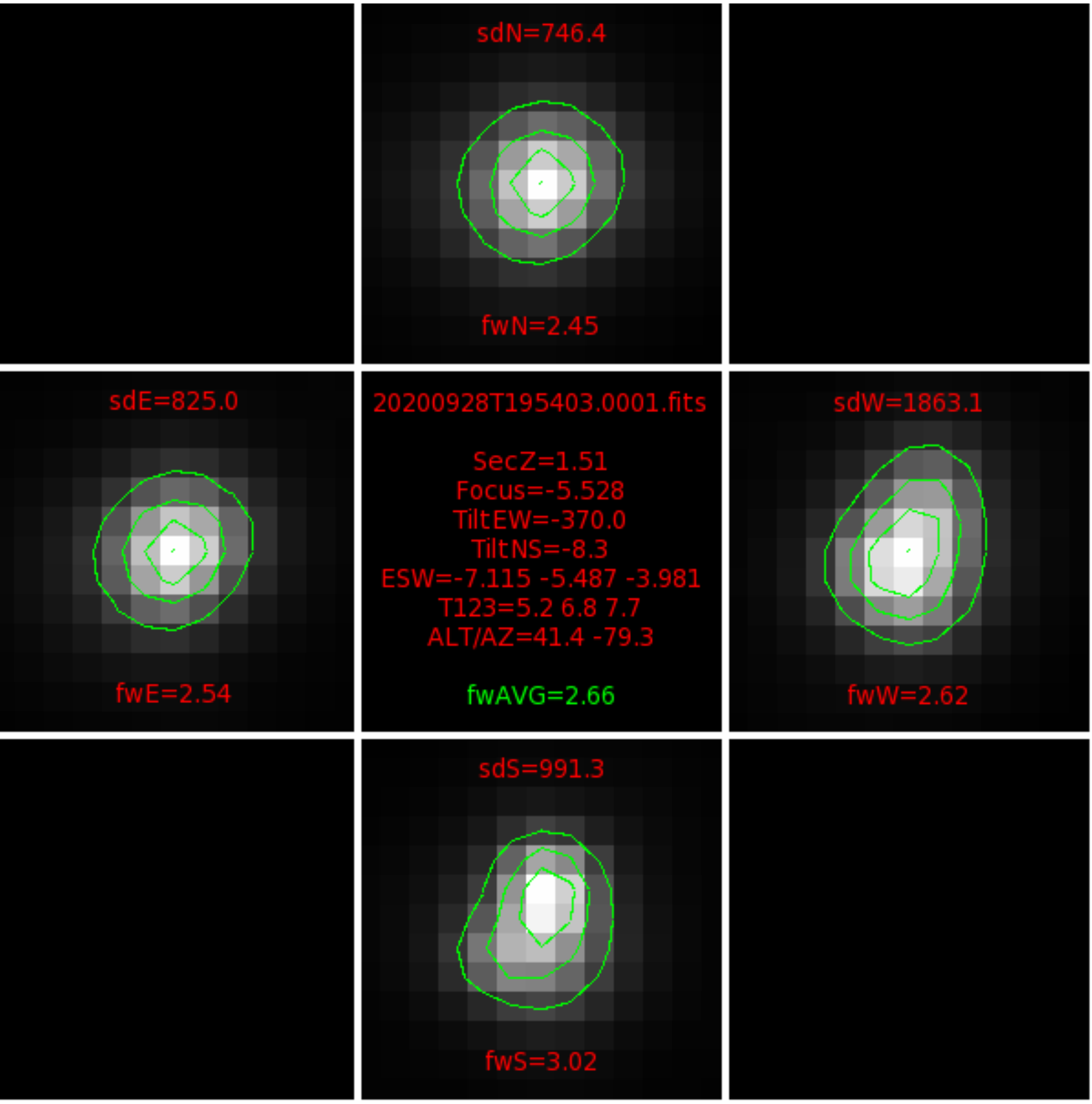
sdN=746.4
fwN=2.45
sdE=825.0
fwE=2.54
20200928T195403.0001.fits
SecZ=1.51
Focus=-5.528
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.115 -5.487 -3.981
T123=5.2 6.8 7.7
ALT/AZ=41.4 -79.3
fwAVG=2.66
sdW=1863.1
fwW=2.62
sdS=991.3
fwS=3.02
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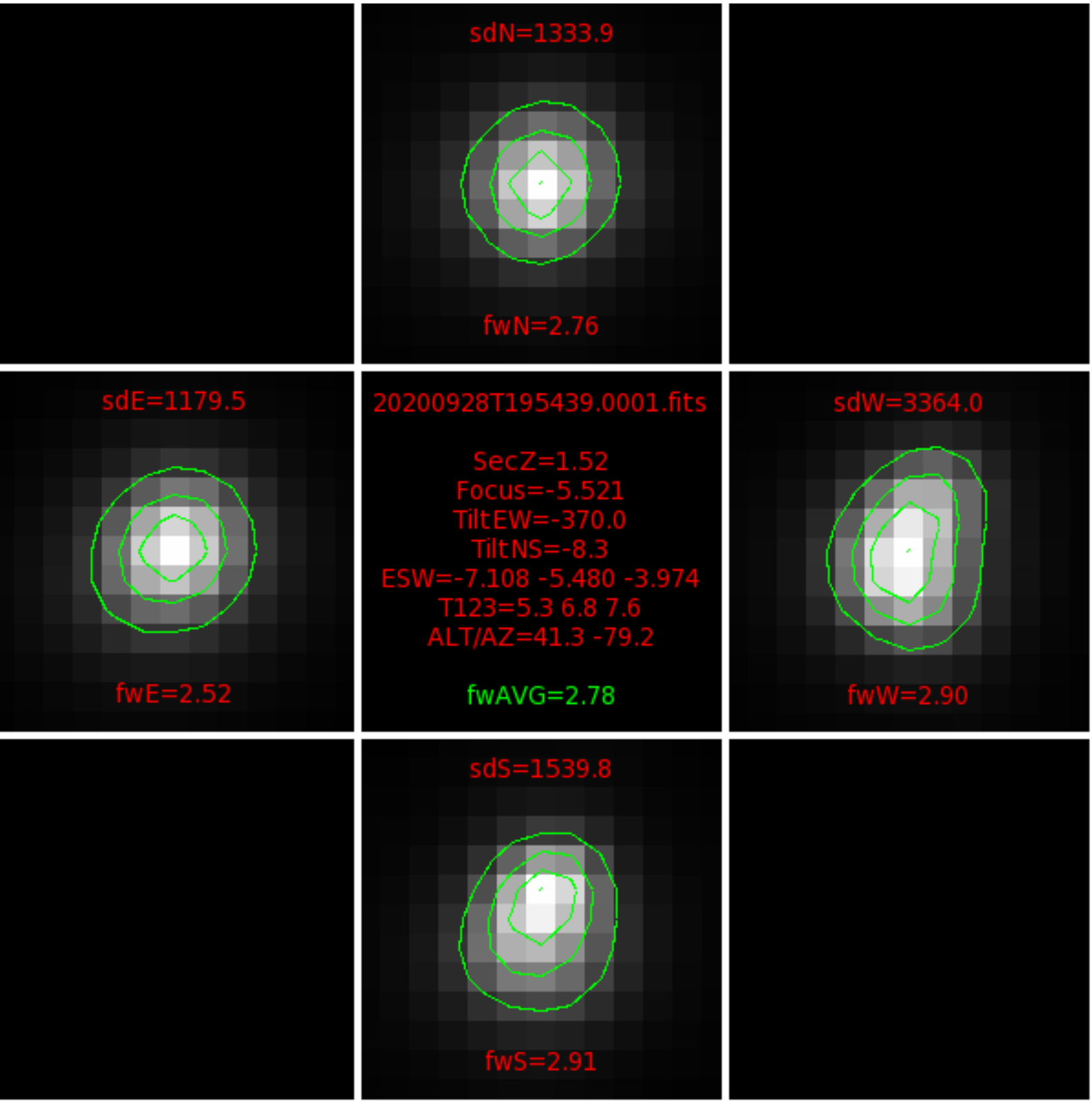
sdN=1333.9
fwN=2.76
sdE=1179.5
fwE=2.52
20200928T195439.0001.fits
SecZ=1.52
Focus=-5.521
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.108 -5.480 -3.974
T123=5.3 6.8 7.6
ALT/AZ=41.3 -79.2
fwAVG=2.78
sdW=3364.0
fwW=2.90
sdS=1539.8
fwS=2.91
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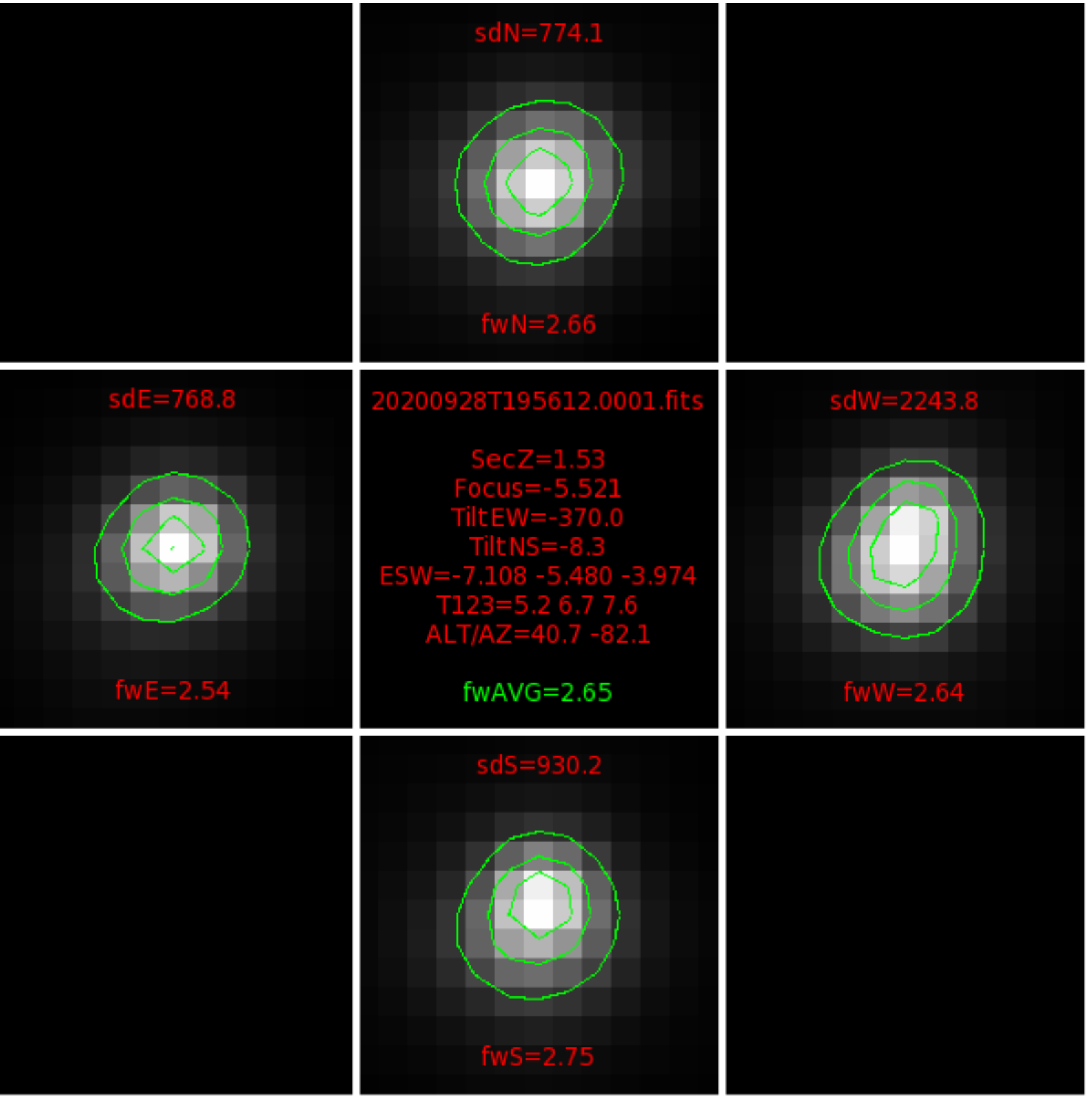
sdN=774.1
fwN=2.66
sdE=768.8
fwE=2.54
20200928T195612.0001.fits
SecZ=1.53
Focus=-5.521
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.108 -5.480 -3.974
T123=5.2 6.7 7.6
ALT/AZ=40.7 -82.1
fwAVG=2.65
sdW=2243.8
fwW=2.64
sdS=930.2
fwS=2.75
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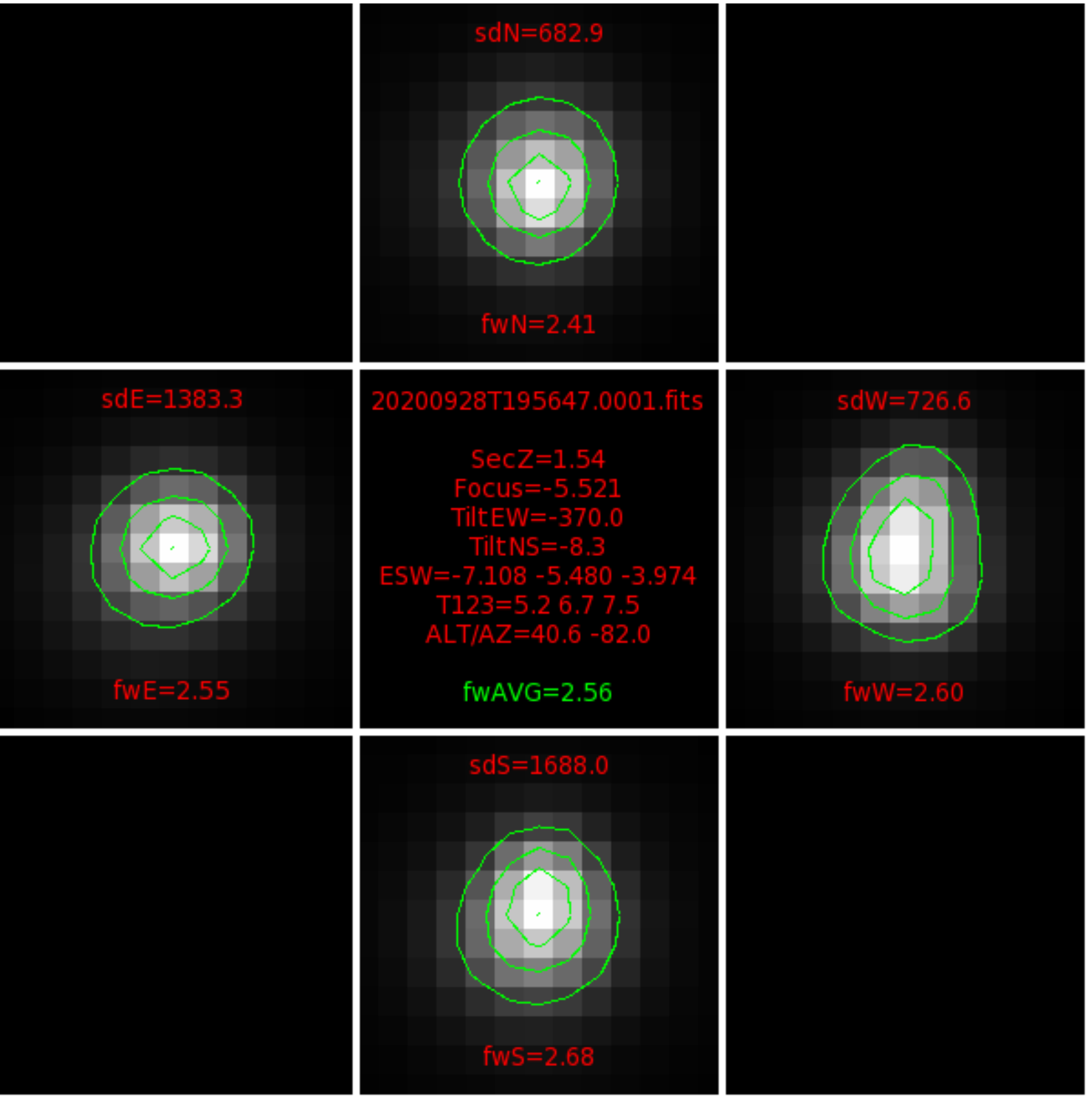
sdN=682.9
fwN=2.41
sdE=1383.3
fwE=2.55
20200928T195647.0001.fits
SecZ=1.54
Focus=-5.521
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.108 -5.480 -3.974
T123=5.2 6.7 7.5
ALT/AZ=40.6 -82.0
fwAVG=2.56
sdW=726.6
fwW=2.60
sdS=1688.0
fwS=2.68
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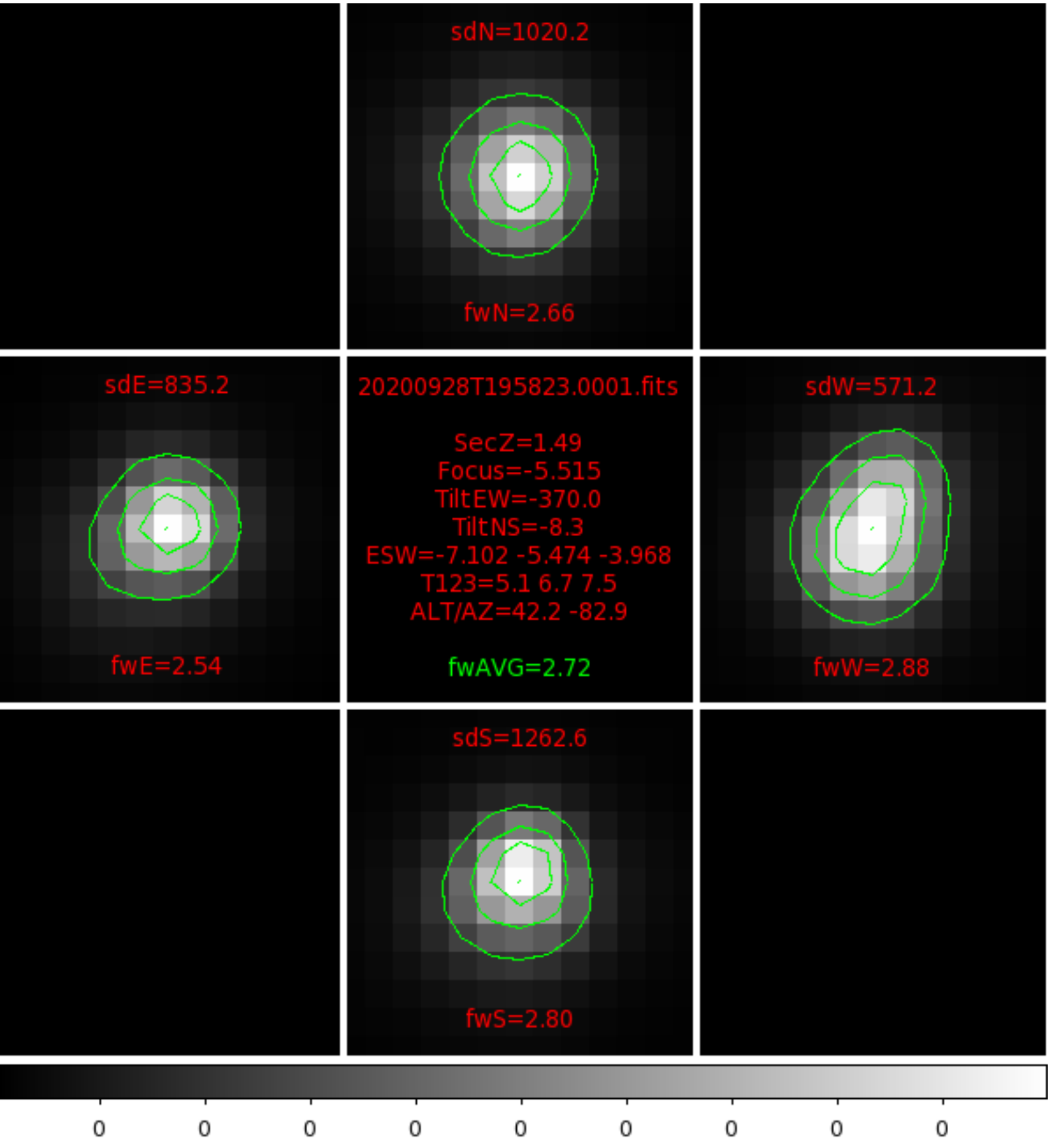
sdN=1020.2
fwN=2.66
sdE=835.2
fwE=2.54
20200928T195823.0001.fits
SecZ=1.49
Focus=-5.515
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.102 -5.474 -3.968
T123=5.1 6.7 7.5
ALT/AZ=42.2 -82.9
fwAVG=2.72
sdW=571.2
fwW=2.88
sdS=1262.6
fwS=2.80
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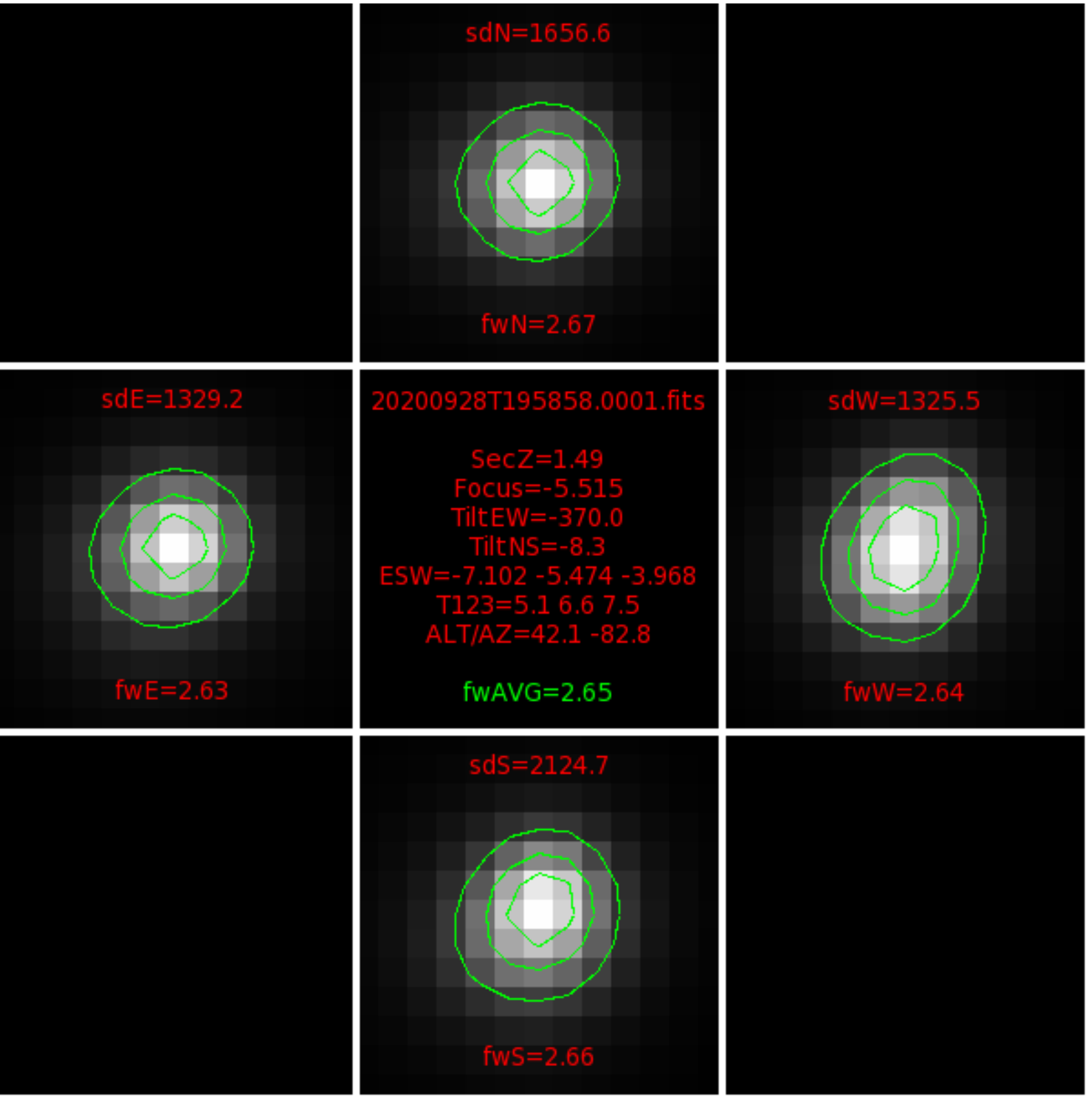
sdN=1656.6
fwN=2.67
sdE=1329.2
fwE=2.63
20200928T195858.0001.fits
SecZ=1.49
Focus=-5.515
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.102 -5.474 -3.968
T123=5.1 6.6 7.5
ALT/AZ=42.1 -82.8
fwAVG=2.65
sdW=1325.5
fwW=2.64
sdS=2124.7
fwS=2.66
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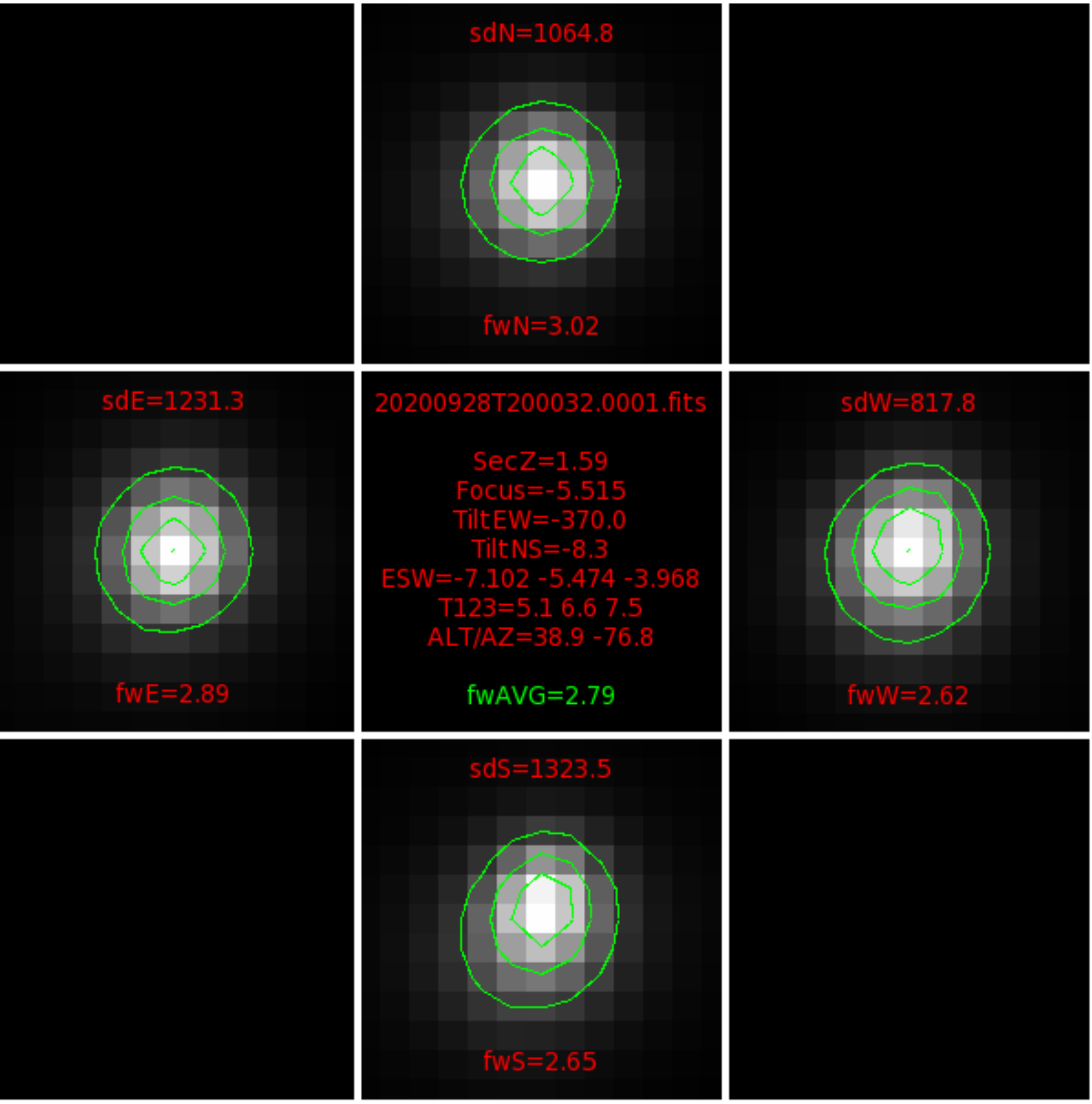
sdN=1064.8
fwN=3.02
sdE=1231.3
fwE=2.89
20200928T200032.0001.fits
SecZ=1.59
Focus=-5.515
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.102 -5.474 -3.968
T123=5.1 6.6 7.5
ALT/AZ=38.9 -76.8
fwAVG=2.79
sdW=817.8
fwW=2.62
sdS=1323.5
fwS=2.65
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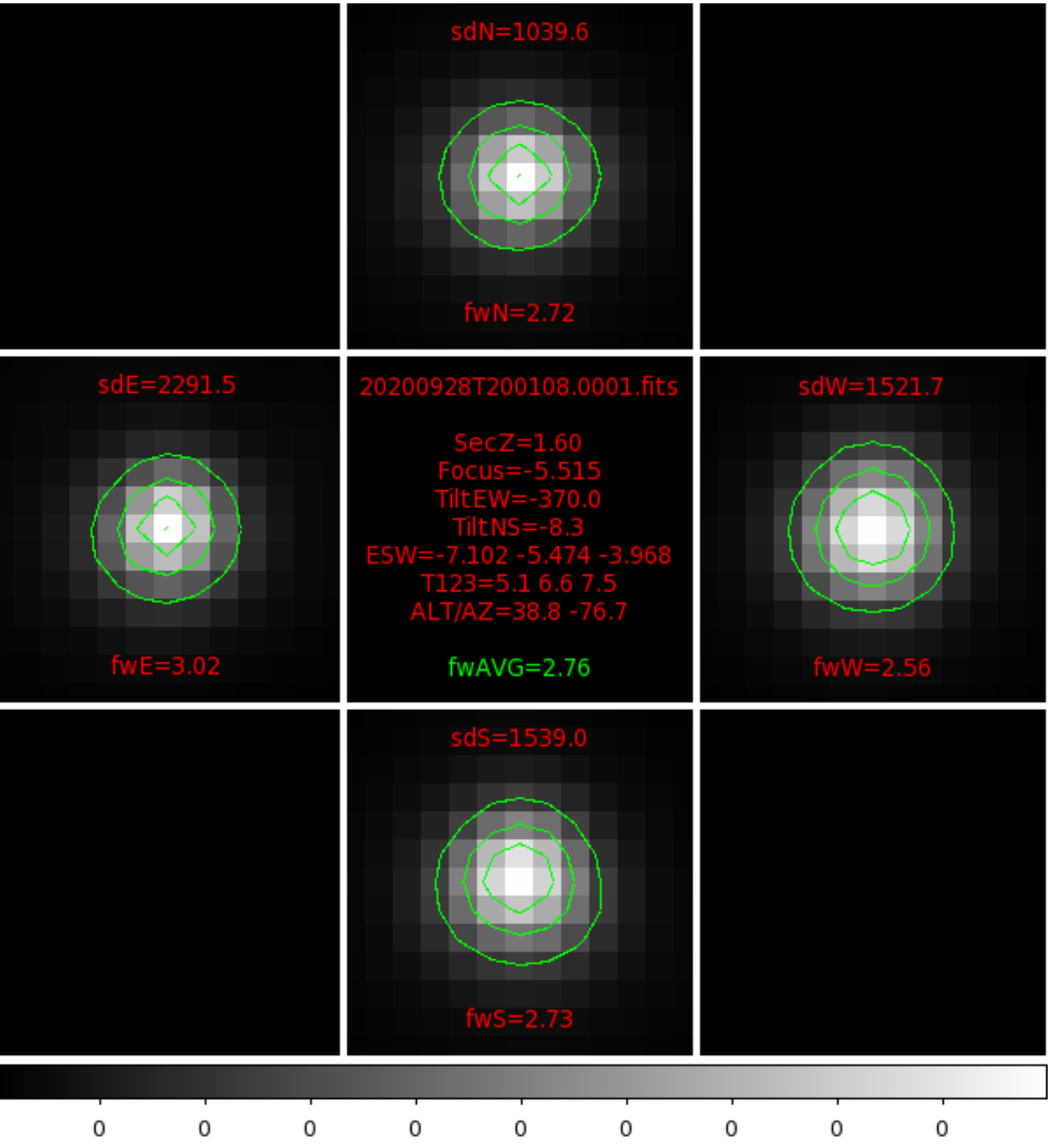
sdN=1039.6
fwN=2.72
sdE=2291.5
fwE=3.02
20200928T200108.0001.fits
SecZ=1.60
Focus=-5.515
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.102 -5.474 -3.968
T123=5.1 6.6 7.5
ALT/AZ=38.8 -76.7
fwAVG=2.76
sdW=1521.7
fwW=2.56
sdS=1539.0
fwS=2.73
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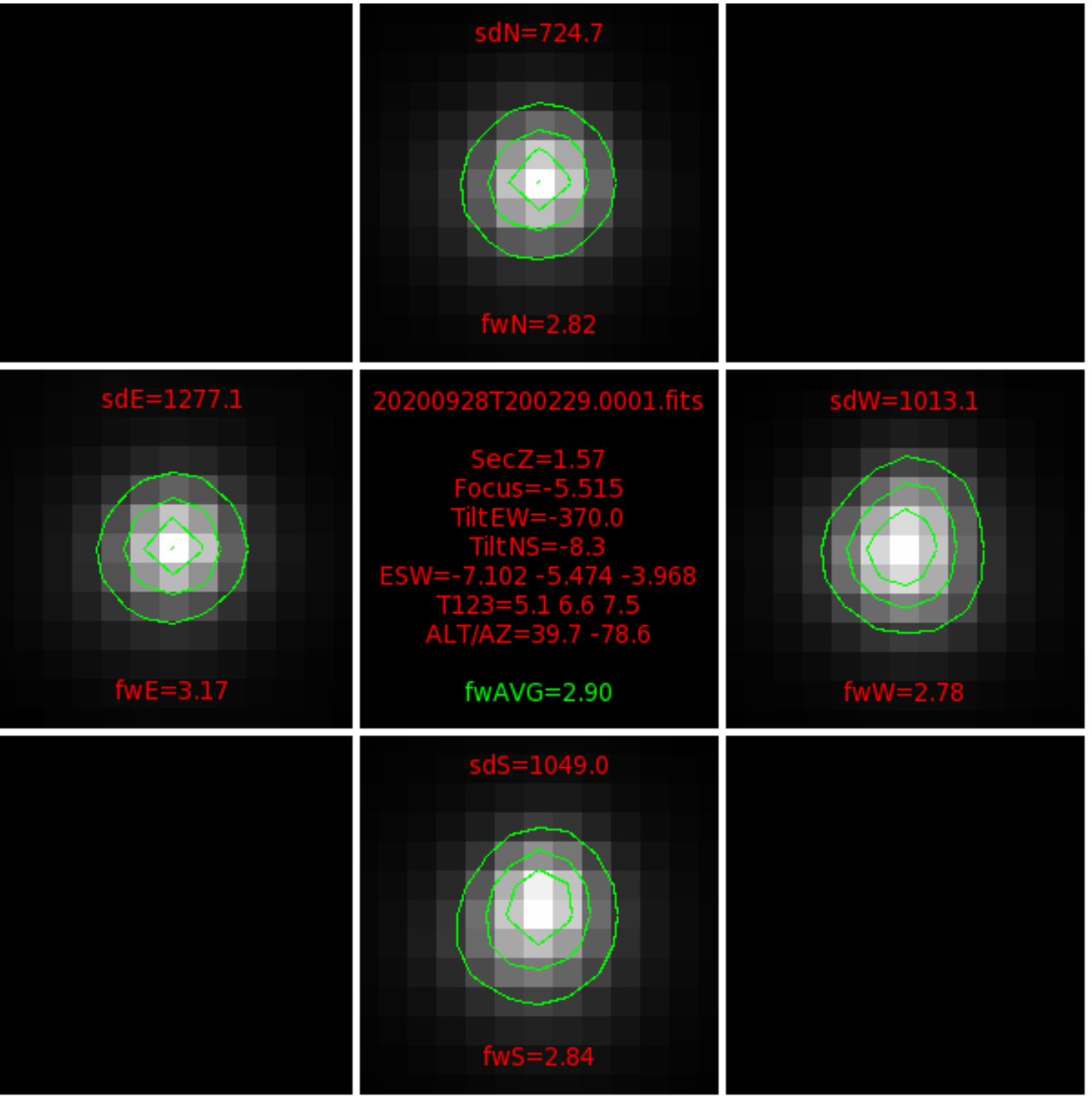
sdN=724.7
fwN=2.82
sdE=1277.1
fwE=3.17
20200928T200229.0001.fits
SecZ=1.57
Focus=-5.515
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.102 -5.474 -3.968
T123=5.1 6.6 7.5
ALT/AZ=39.7 -78.6
fwAVG=2.90
sdW=1013.1
fwW=2.78
sdS=1049.0
fwS=2.84
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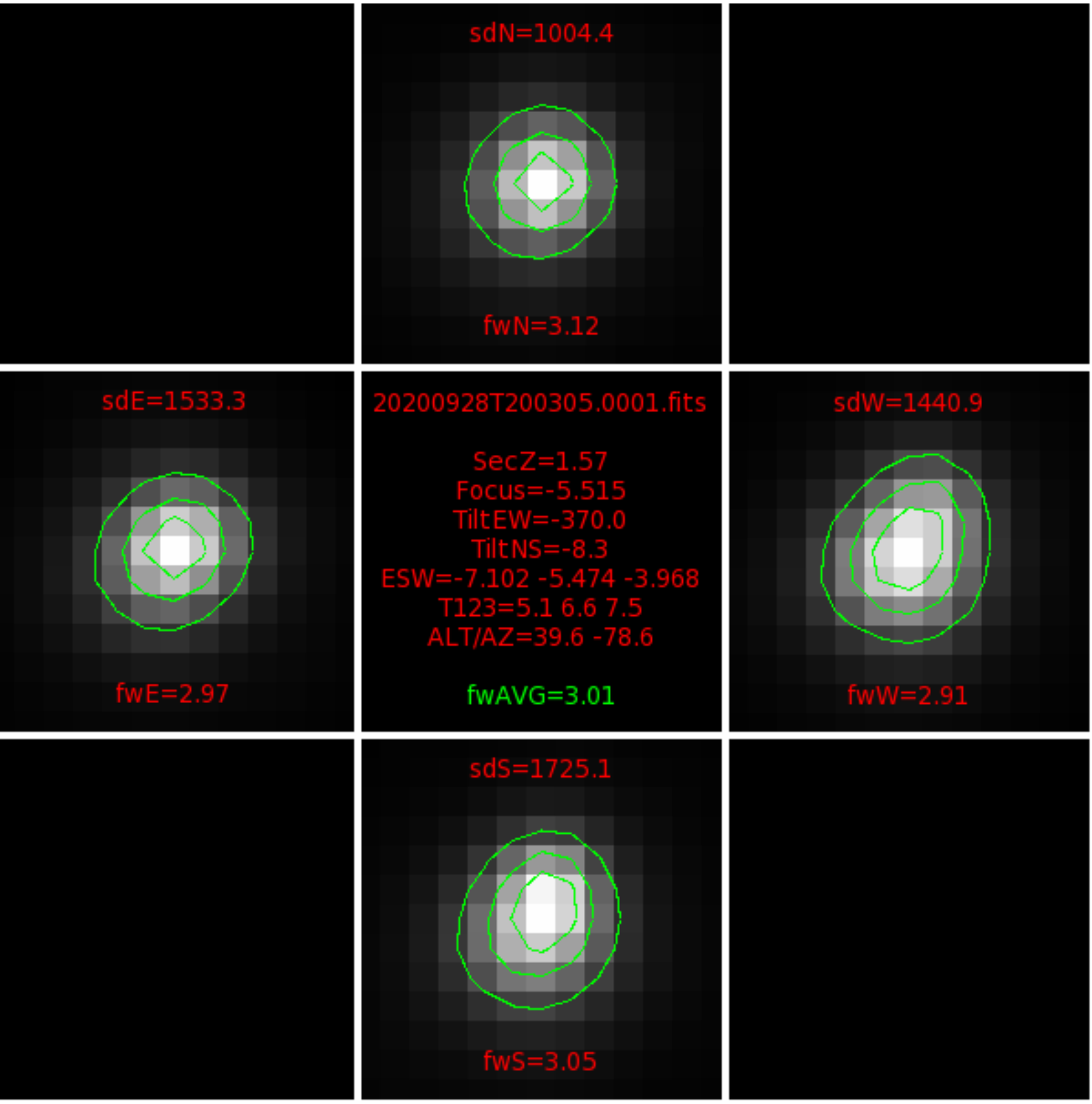
sdN=1004.4
fwN=3.12
sdE=1533.3
fwE=2.97
20200928T200305.0001.fits
SecZ=1.57
Focus=-5.515
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.102 -5.474 -3.968
T123=5.1 6.6 7.5
ALT/AZ=39.6 -78.6
fwAVG=3.01
sdW=1440.9
fwW=2.91
sdS=1725.1
fwS=3.05
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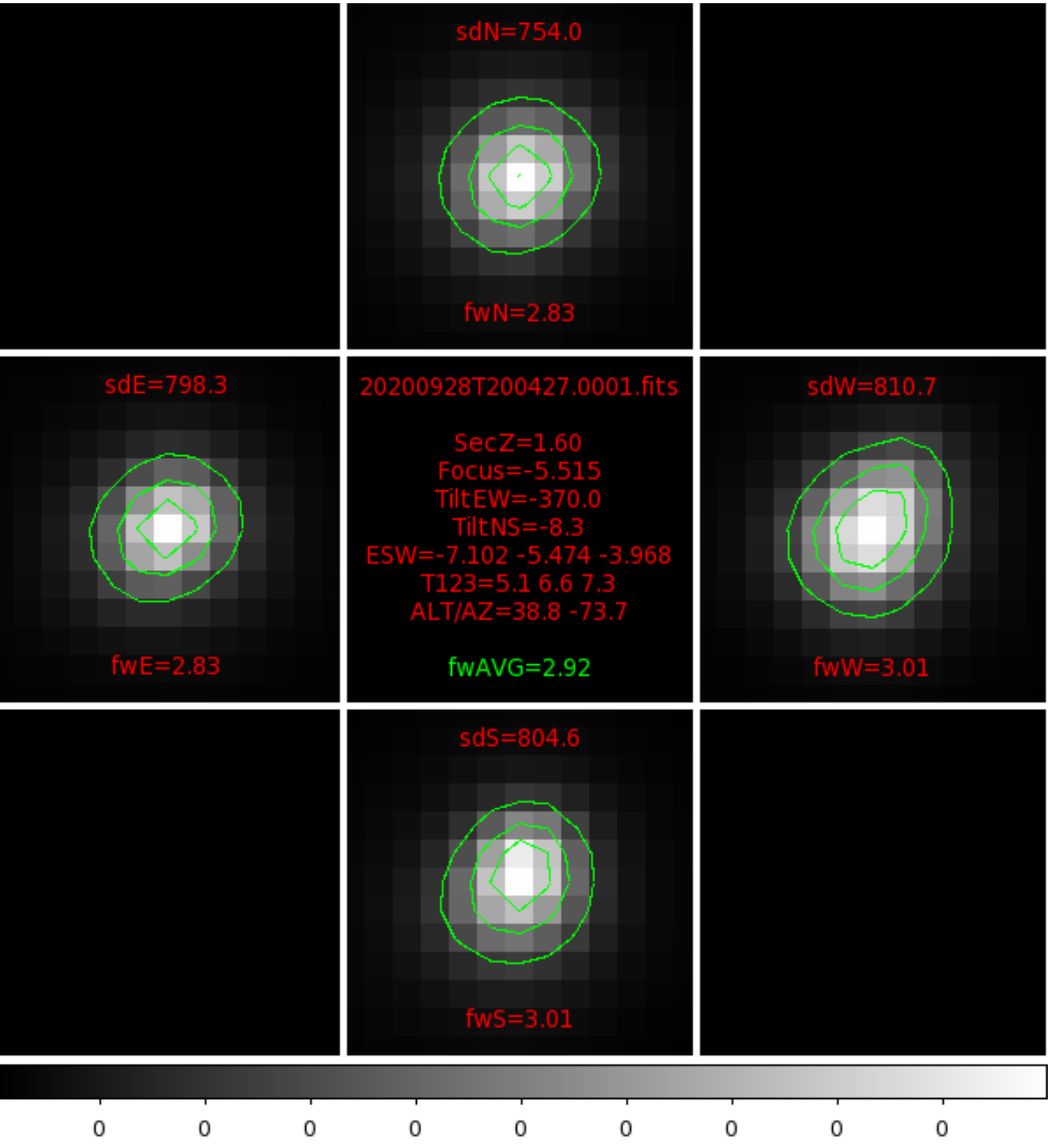
sdN=754.0
fwN=2.83
sdE=798.3
fwE=2.83
20200928T200427.0001.fits
SecZ=1.60
Focus=-5.515
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.102 -5.474 -3.968
T123=5.1 6.6 7.3
ALT/AZ=38.8 -73.7
fwAVG=2.92
sdW=810.7
fwW=3.01
sdS=804.6
fwS=3.01
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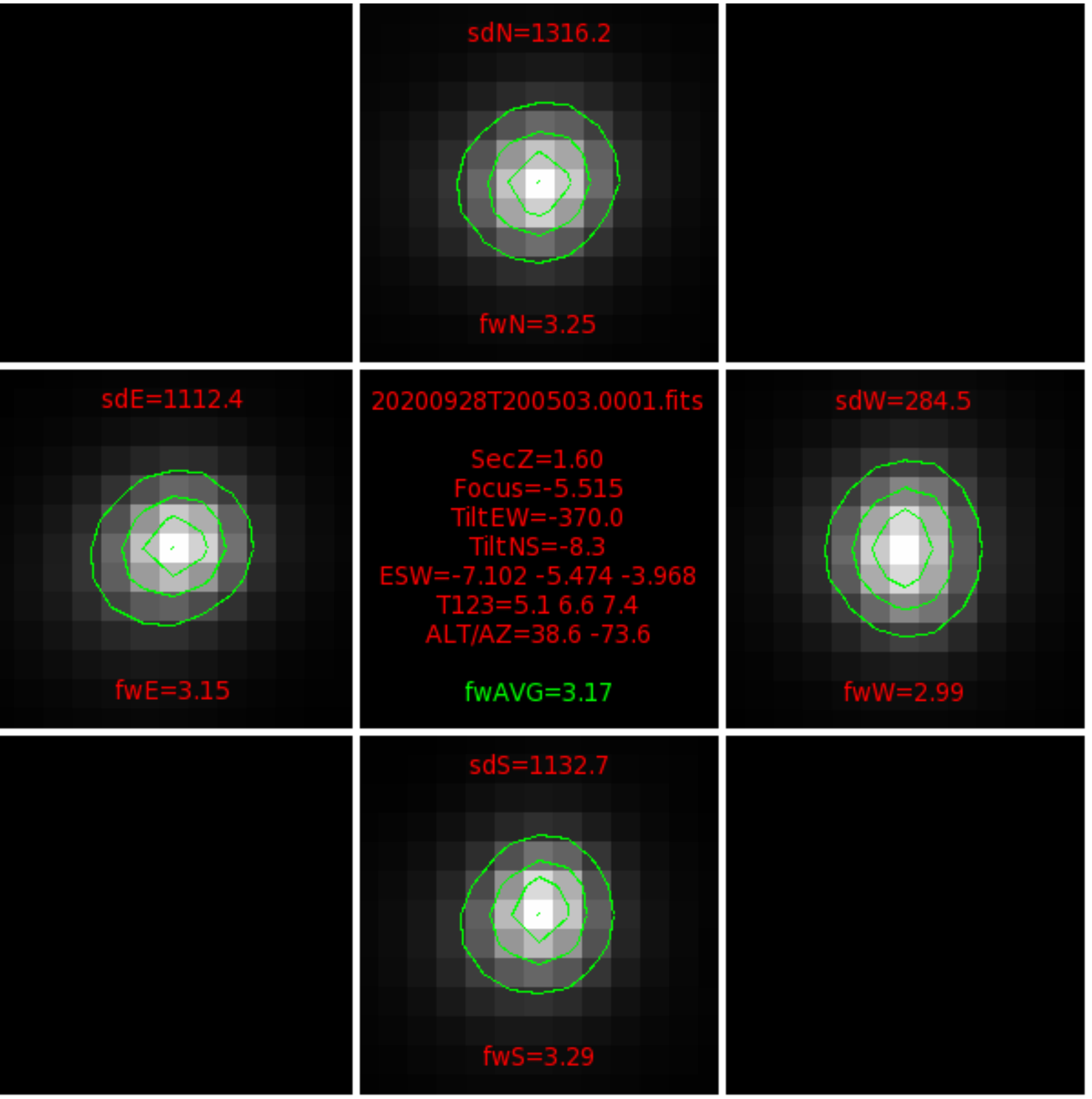
sdN=1316.2
fwN=3.25
sdE=1112.4
fwE=3.15
20200928T200503.0001.fits
SecZ=1.60
Focus=-5.515
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.102 -5.474 -3.968
T123=5.1 6.6 7.4
ALT/AZ=38.6 -73.6
fwAVG=3.17
sdW=284.5
fwW=2.99
sdS=1132.7
fwS=3.29
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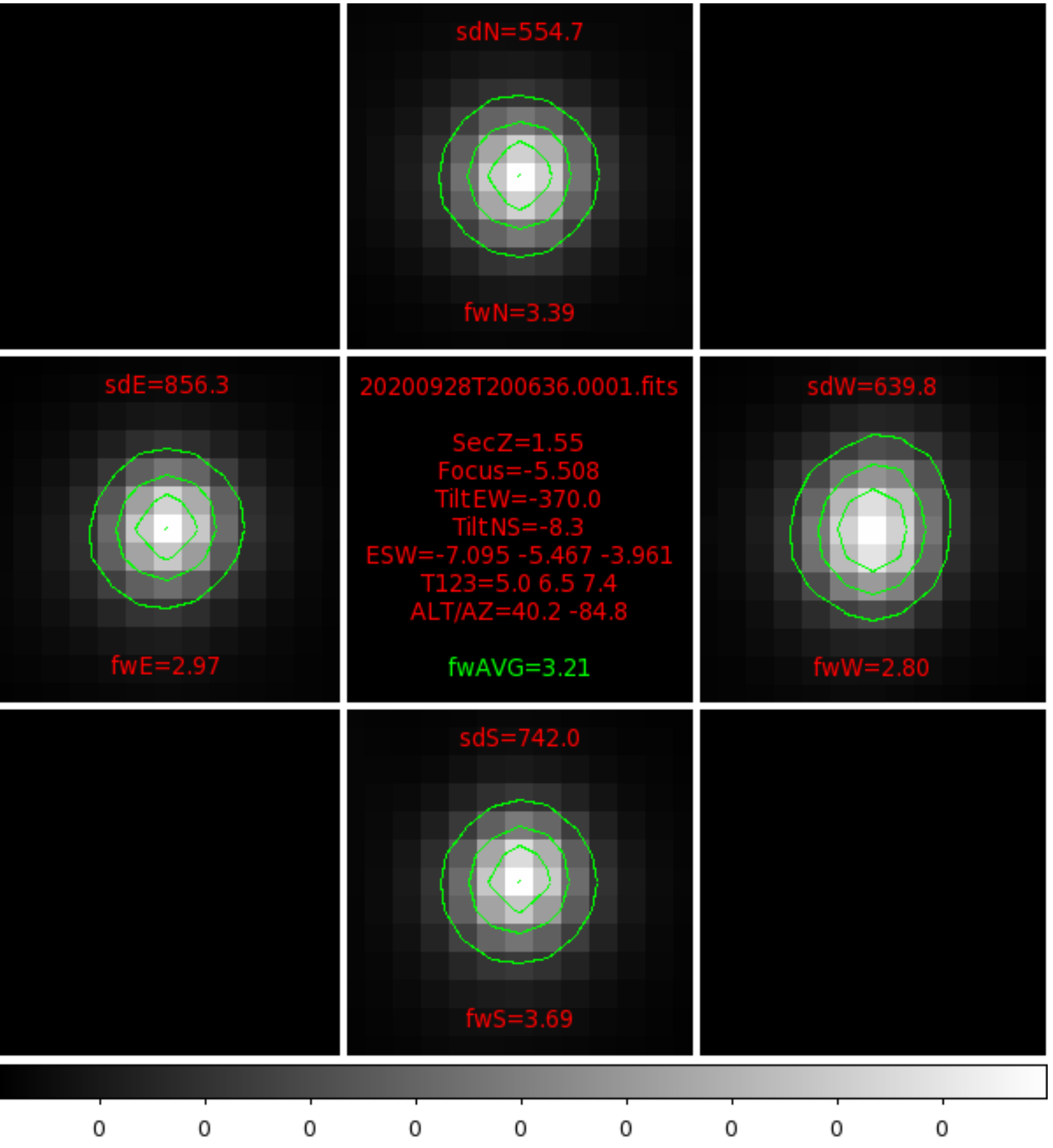
sdN=554.7
fwN=3.39
sdE=856.3
fwE=2.97
20200928T200636.0001.fits
SecZ=1.55
Focus=-5.508
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.095 -5.467 -3.961
T123=5.0 6.5 7.4
ALT/AZ=40.2 -84.8
fwAVG=3.21
sdW=639.8
fwW=2.80
sdS=742.0
fwS=3.69
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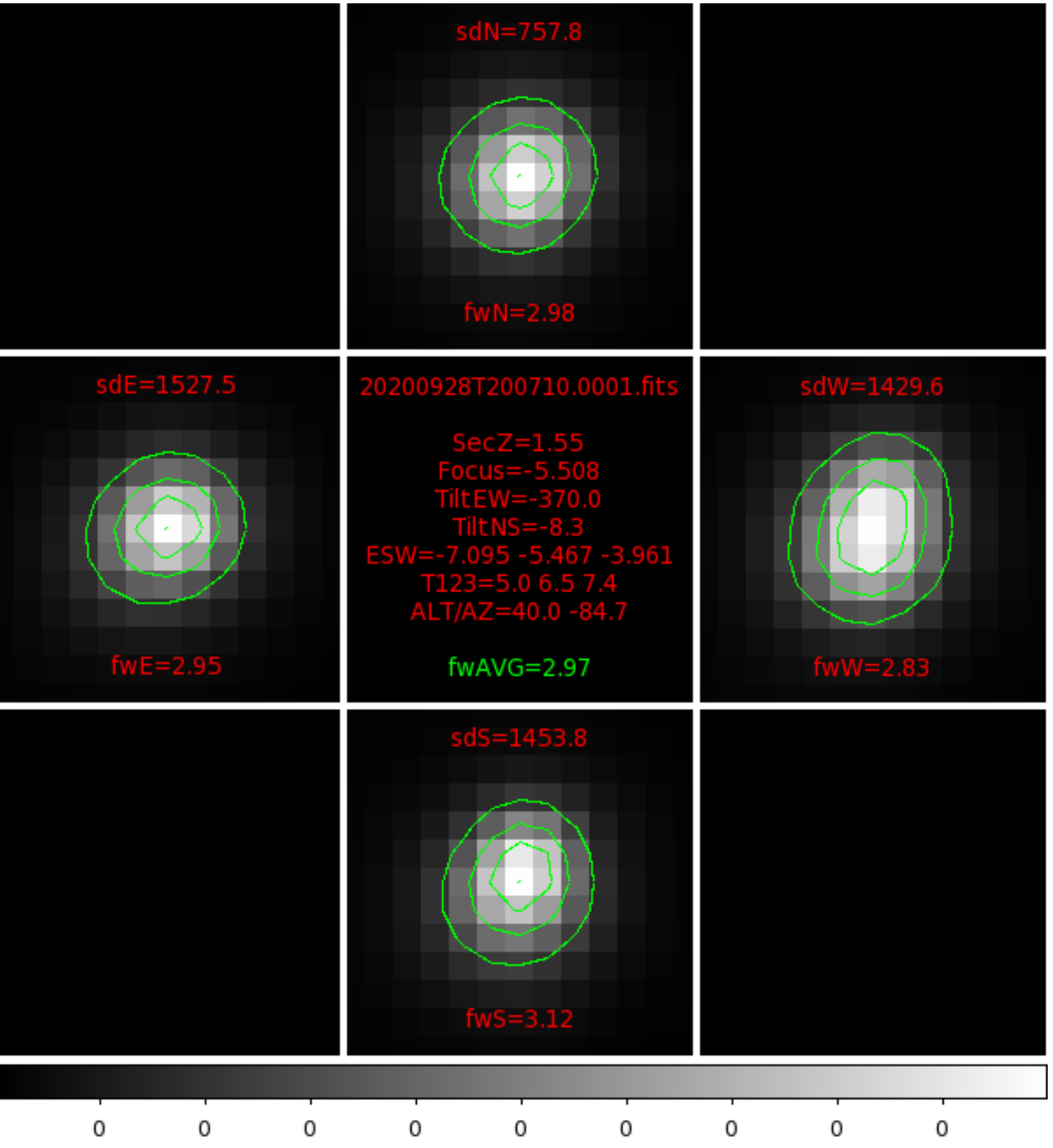
sdN=757.8
fwN=2.98
sdE=1527.5
fwE=2.95
20200928T200710.0001.fits
SecZ=1.55
Focus=-5.508
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.095 -5.467 -3.961
T123=5.0 6.5 7.4
ALT/AZ=40.0 -84.7
fwAVG=2.97
sdW=1429.6
fwW=2.83
sdS=1453.8
fwS=3.12
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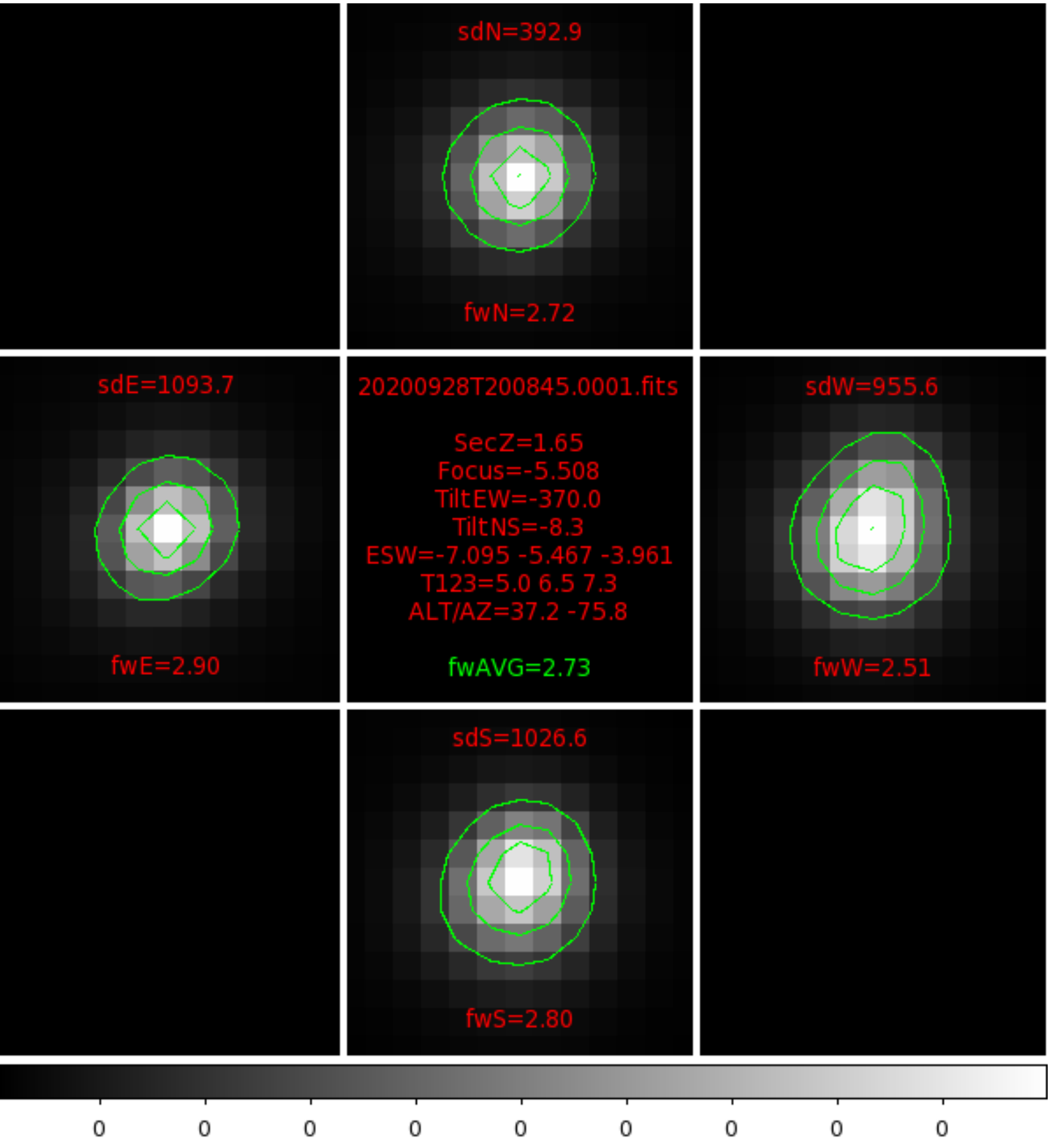
sdN=392.9
fwN=2.72
sdE=1093.7
fwE=2.90
20200928T200845.0001.fits
SecZ=1.65
Focus=-5.508
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.095 -5.467 -3.961
T123=5.0 6.5 7.3
ALT/AZ=37.2 -75.8
fwAVG=2.73
sdW=955.6
fwW=2.51
sdS=1026.6
fwS=2.80
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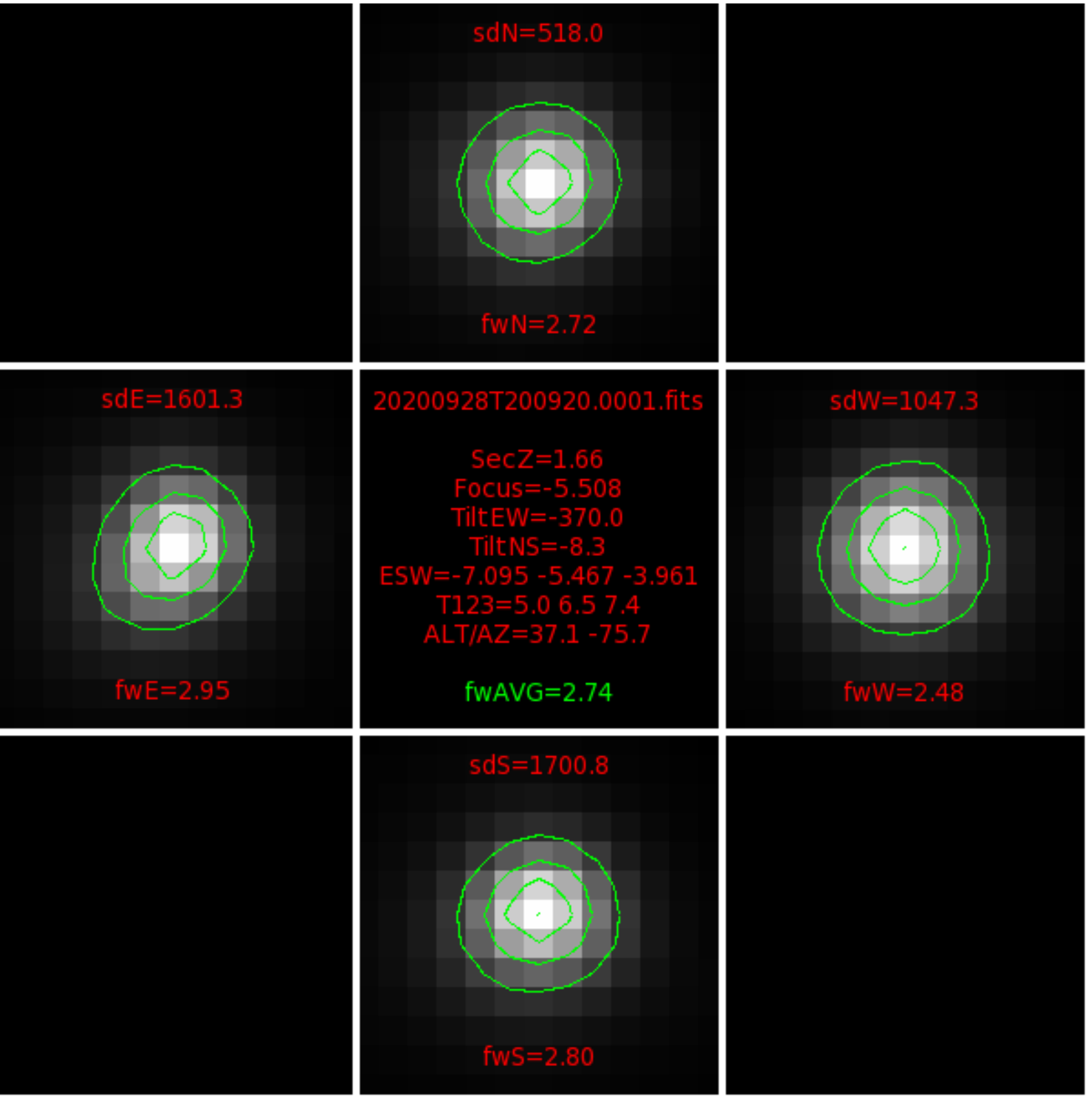
sdN=518.0
fwN=2.72
sdE=1601.3
fwE=2.95
20200928T200920.0001.fits
SecZ=1.66
Focus=-5.508
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.095 -5.467 -3.961
T123=5.0 6.5 7.4
ALT/AZ=37.1 -75.7
fwAVG=2.74
sdW=1047.3
fwW=2.48
sdS=1700.8
fwS=2.80
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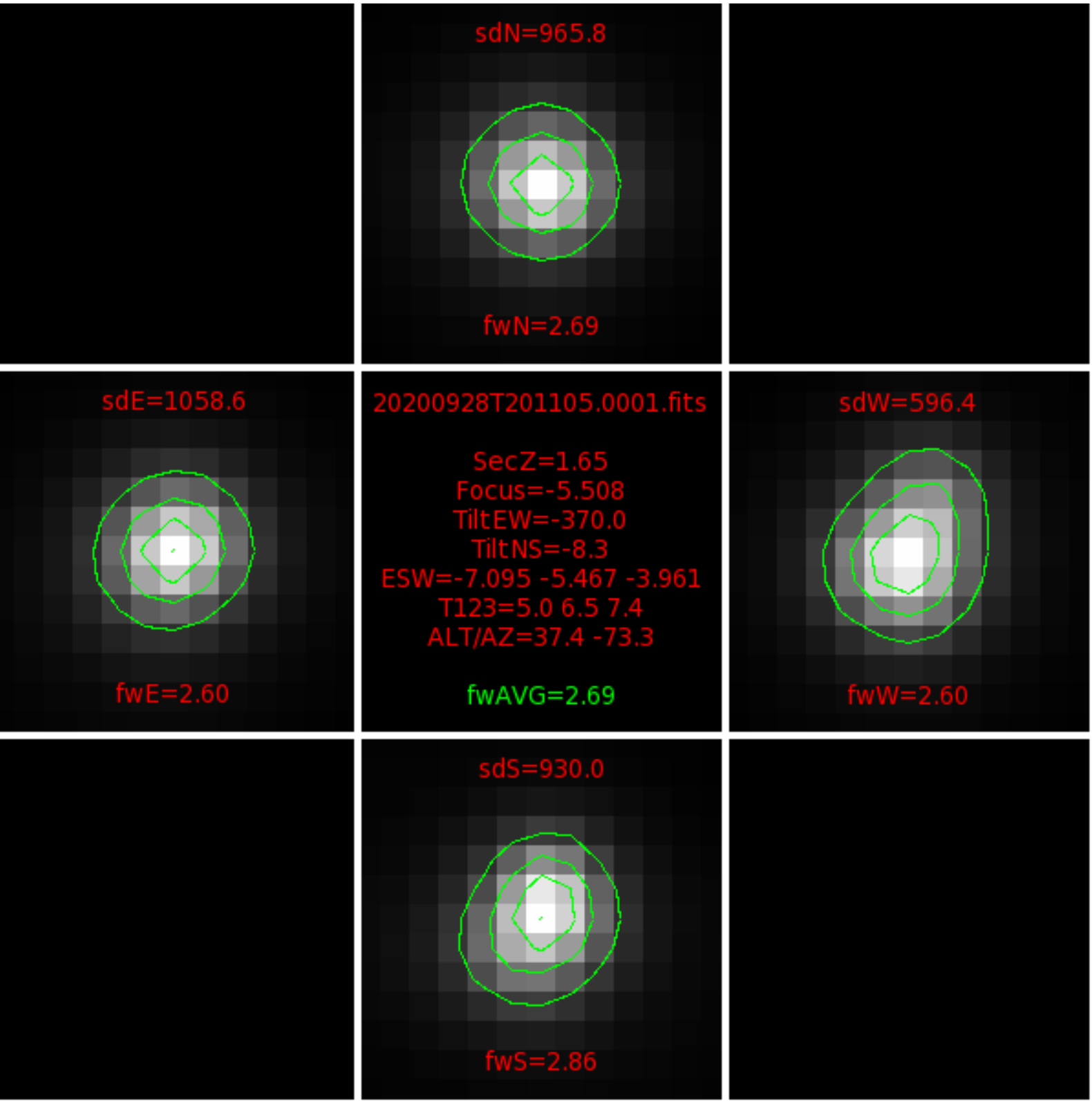
sdN=965.8
fwN=2.69
sdE=1058.6
fwE=2.60
20200928T201105.0001.fits
SecZ=1.65
Focus=-5.508
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.095 -5.467 -3.961
T123=5.0 6.5 7.4
ALT/AZ=37.4 -73.3
fwAVG=2.69
sdW=596.4
fwW=2.60
sdS=930.0
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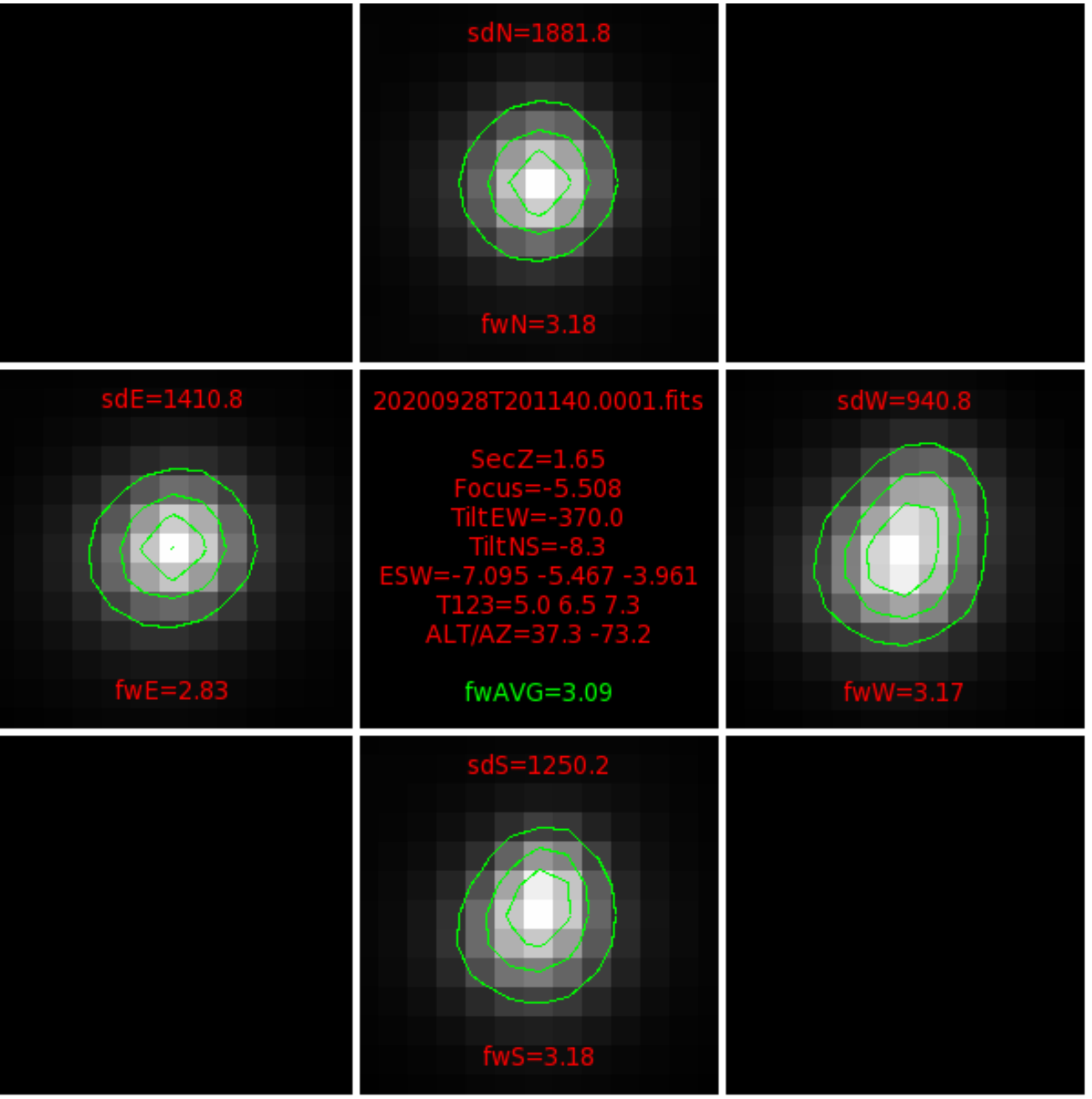
sdN=1881.8
fwN=3.18
sdE=1410.8
fwE=2.83
20200928T201140.0001.fits
SecZ=1.65
Focus=-5.508
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.095 -5.467 -3.961
T123=5.0 6.5 7.3
ALT/AZ=37.3 -73.2
fwAVG=3.09
sdW=940.8
fwW=3.17
sdS=1250.2
fwS=3.18
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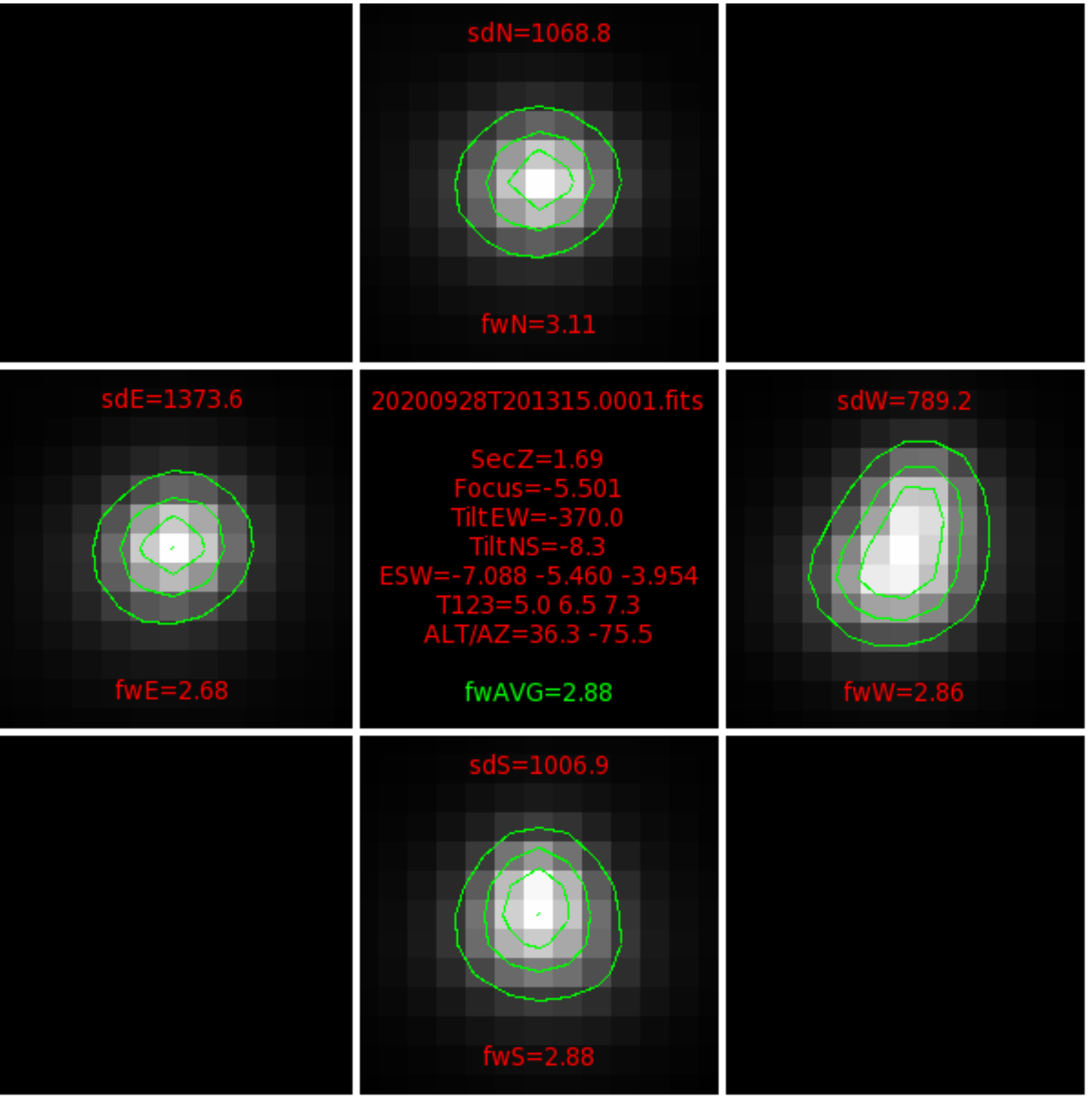
sdN=1068.8
fwN=3.11
sdE=1373.6
fwE=2.68
20200928T201315.0001.fits
SecZ=1.69
Focus=-5.501
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.088 -5.460 -3.954
T123=5.0 6.5 7.3
ALT/AZ=36.3 -75.5
fwAVG=2.88
sdW=789.2
fwW=2.86
sdS=1006.9
fwS=2.88
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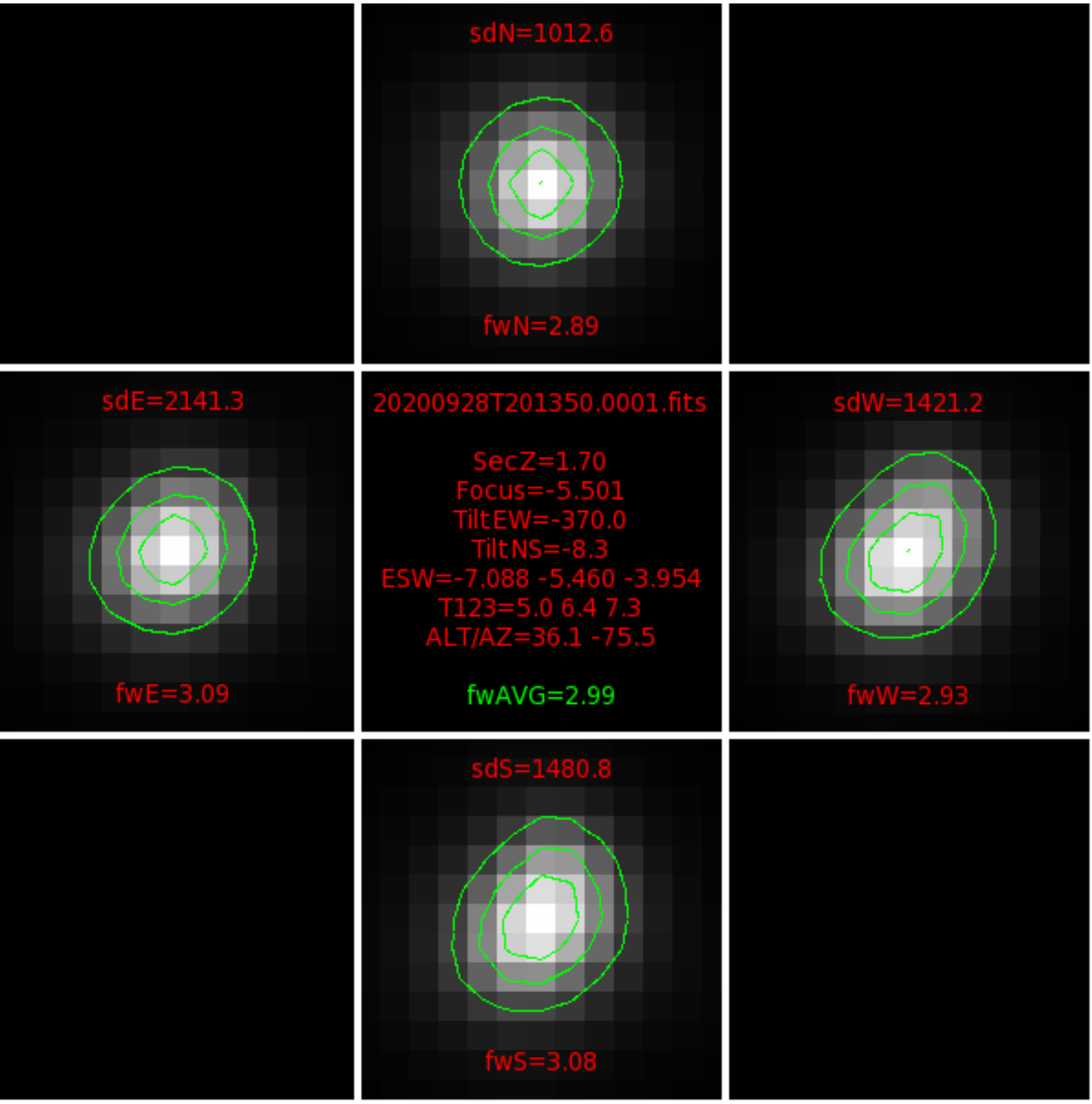
sdN=1012.6
fwN=2.89
sdE=2141.3
fwE=3.09
20200928T201350.0001.fits
SecZ=1.70
Focus=-5.501
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.088 -5.460 -3.954
T123=5.0 6.4 7.3
ALT/AZ=36.1 -75.5
fwAVG=2.99
sdW=1421.2
fwW=2.93
sdS=1480.8
fwS=3.08
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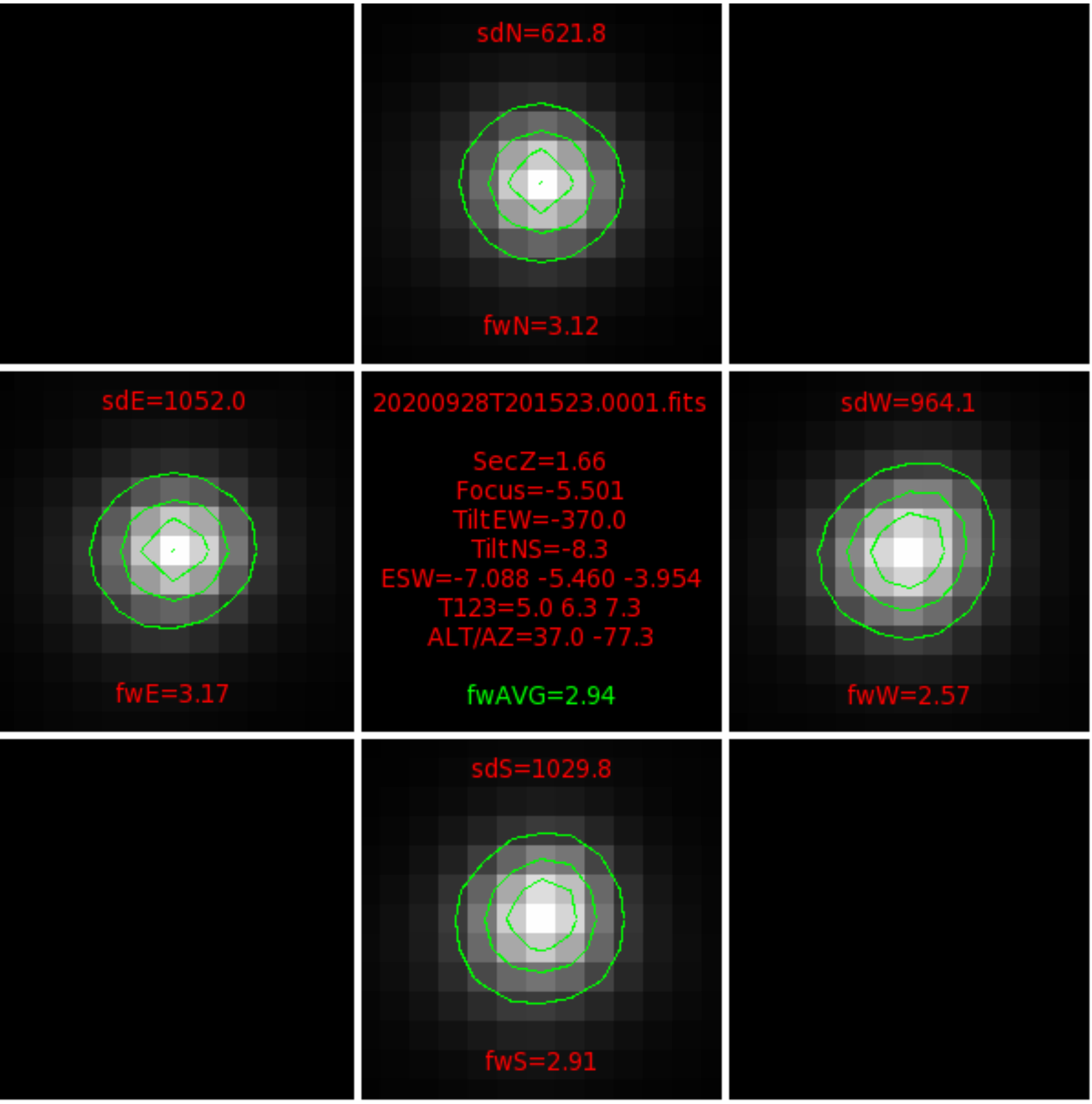
sdN=621.8
fwN=3.12
sdE=1052.0
fwE=3.17
20200928T201523.0001.fits
SecZ=1.66
Focus=-5.501
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.088 -5.460 -3.954
T123=5.0 6.3 7.3
ALT/AZ=37.0 -77.3
fwAVG=2.94
sdW=964.1
fwW=2.57
sdS=1029.8
fwS=2.91
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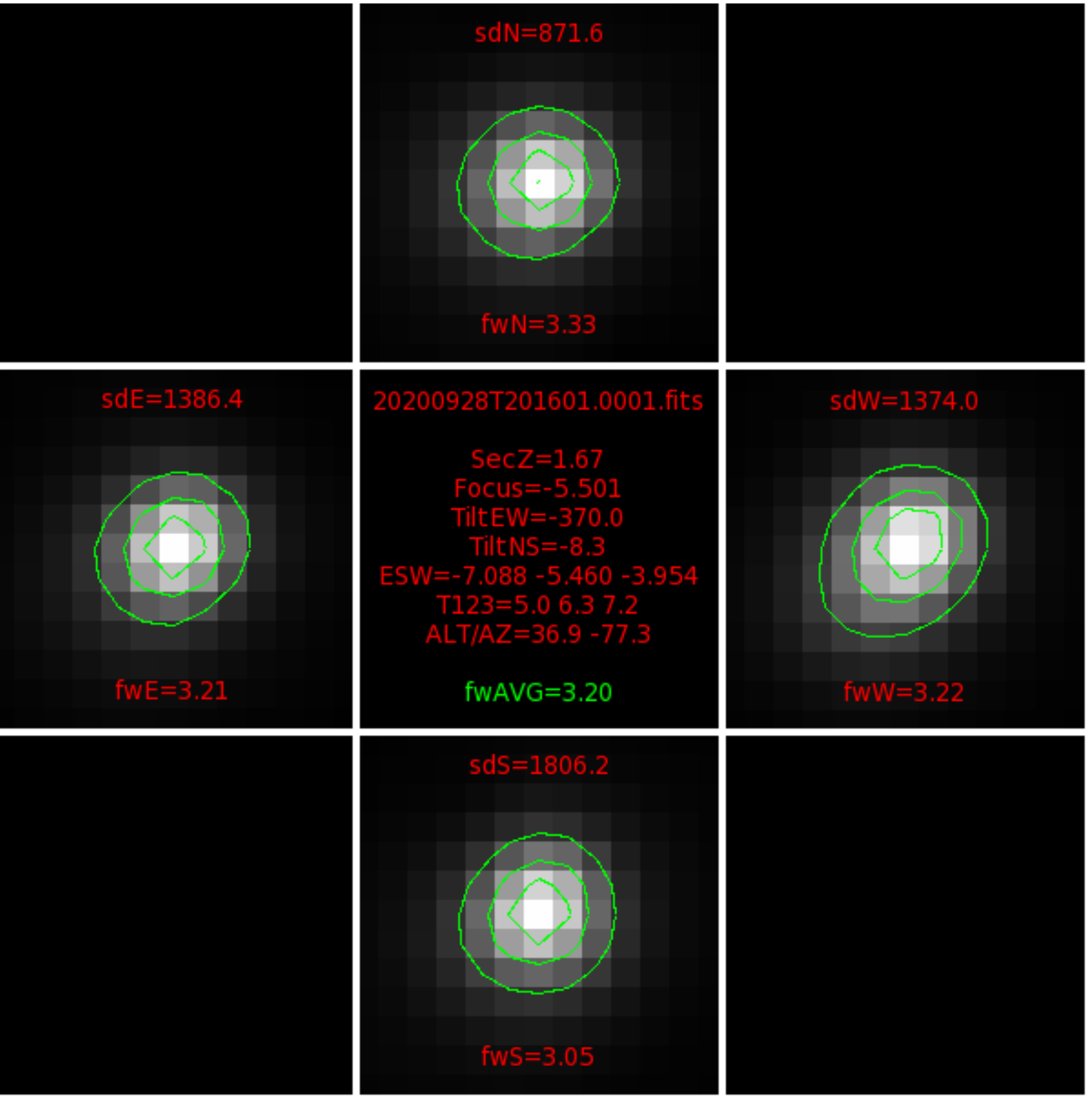
sdN=871.6
fwN=3.33
sdE=1386.4
fwE=3.21
20200928T201601.0001.fits
SecZ=1.67
Focus=-5.501
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.088 -5.460 -3.954
T123=5.0 6.3 7.2
ALT/AZ=36.9 -77.3
fwAVG=3.20
sdW=1374.0
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sdS=1806.2
fwS=3.05
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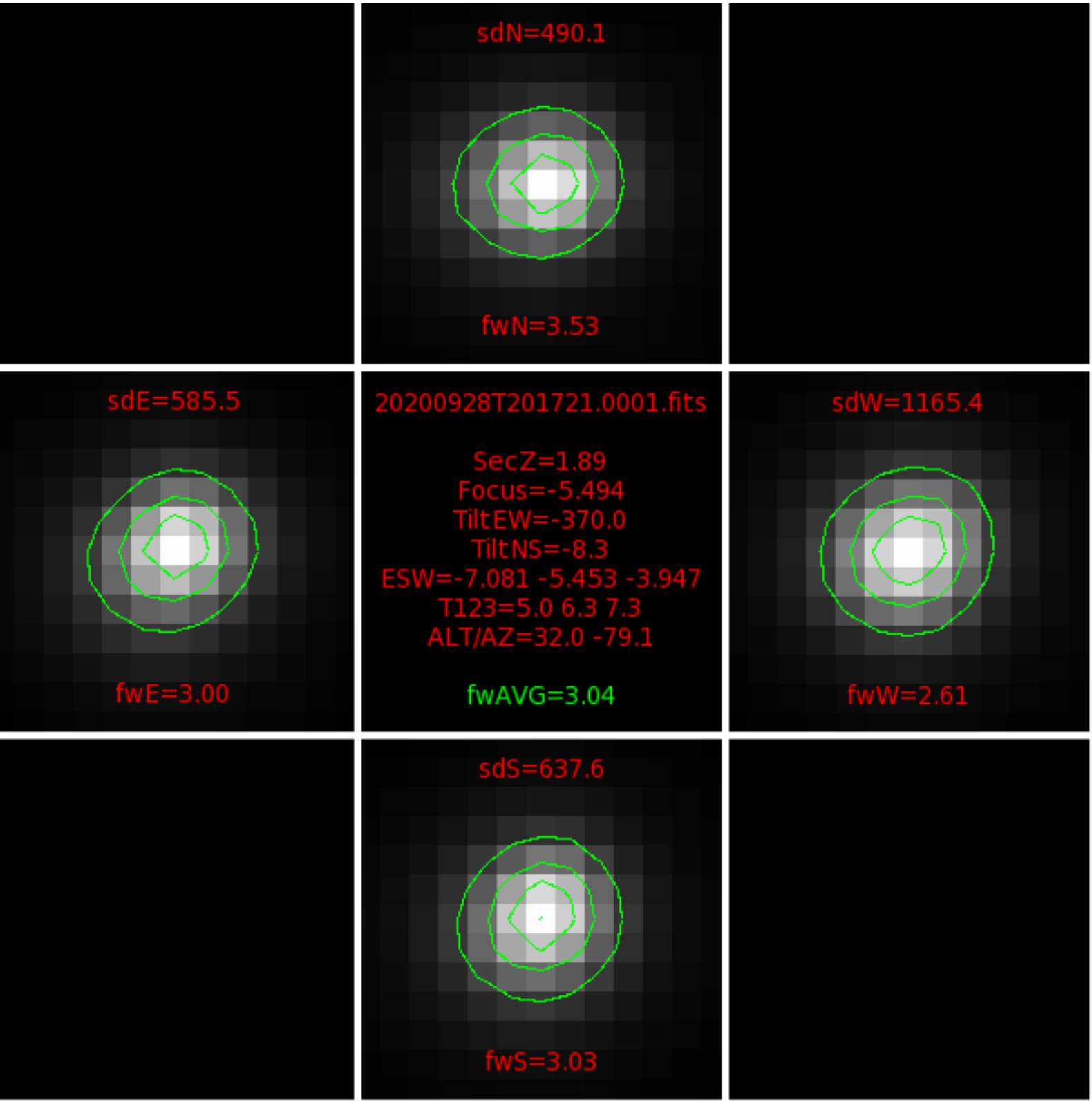
sdN=490.1
fwN=3.53
sdE=585.5
fwE=3.00
20200928T201721.0001.fits
SecZ=1.89
Focus=-5.494
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.081 -5.453 -3.947
T123=5.0 6.3 7.3
ALT/AZ=32.0 -79.1
fwAVG=3.04
sdW=1165.4
fwW=2.61
sdS=637.6
fwS=3.03
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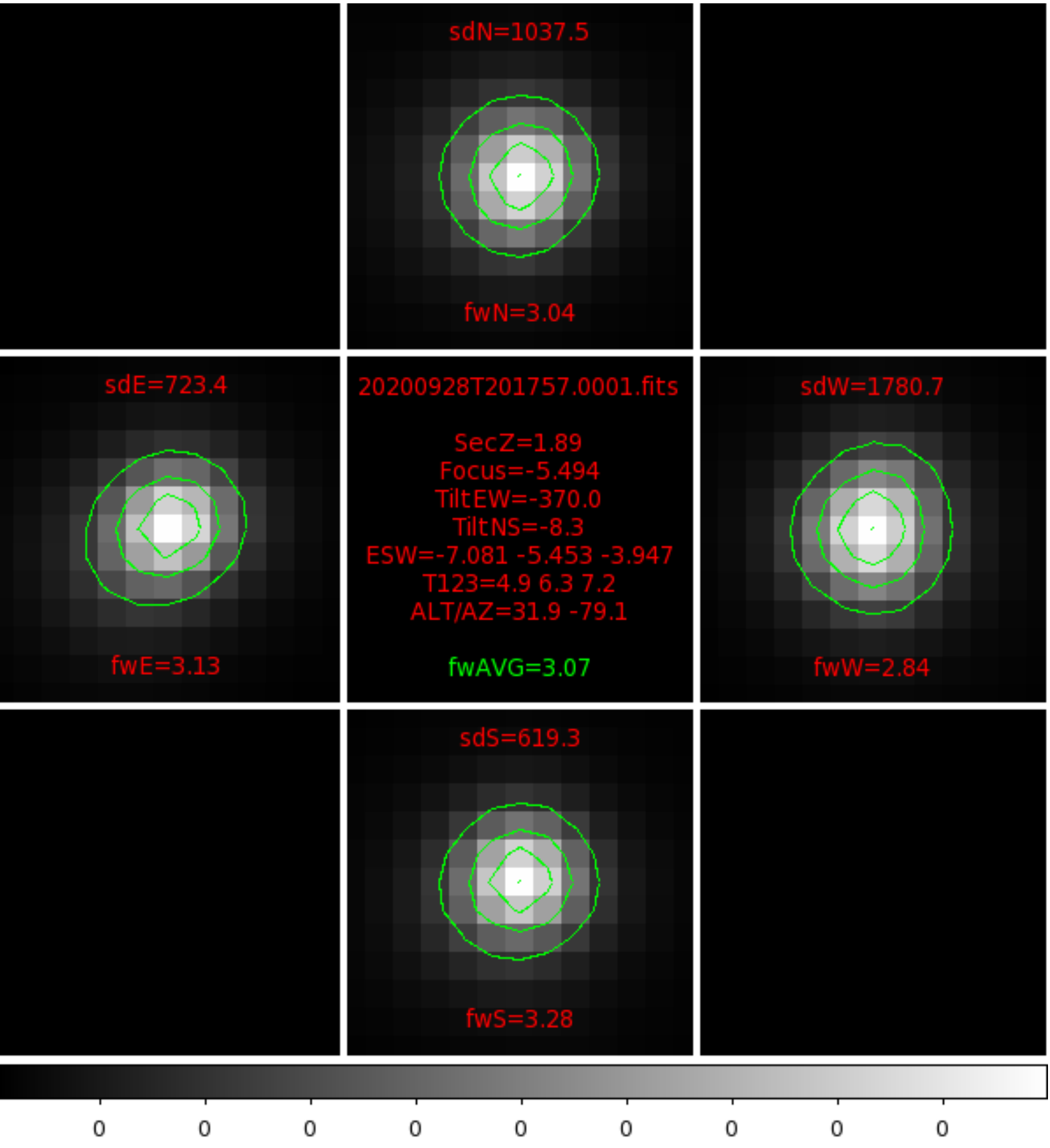
sdN=1037.5
fwN=3.04
sdE=723.4
fwE=3.13
20200928T201757.0001.fits
SecZ=1.89
Focus=-5.494
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.081 -5.453 -3.947
T123=4.9 6.3 7.2
ALT/AZ=31.9 -79.1
fwAVG=3.07
sdW=1780.7
fwW=2.84
sdS=619.3
fwS=3.28
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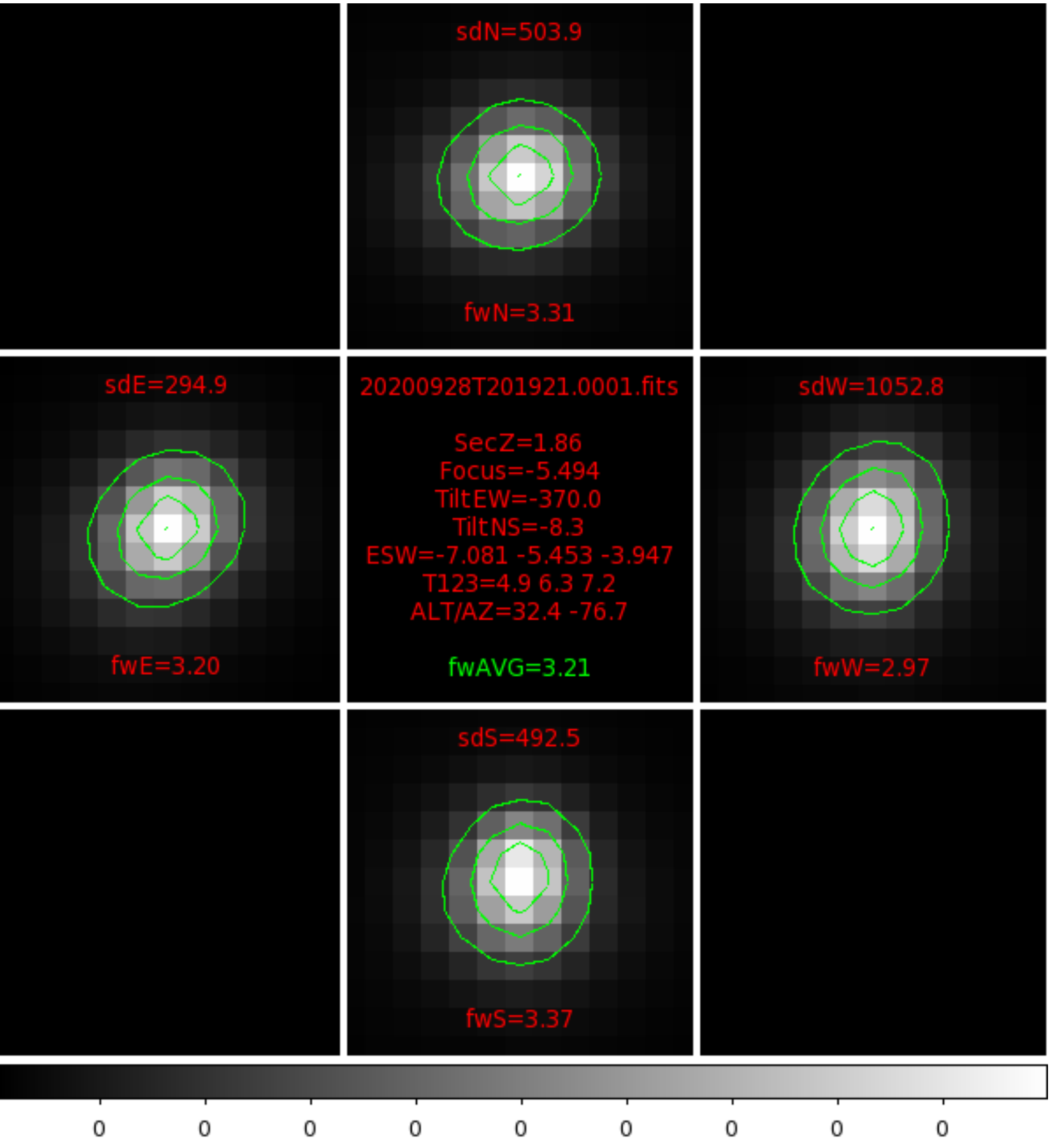
sdN=503.9
fwN=3.31
sdE=294.9
fwE=3.20
20200928T201921.0001.fits
SecZ=1.86
Focus=-5.494
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.081 -5.453 -3.947
T123=4.9 6.3 7.2
ALT/AZ=32.4 -76.7
fwAVG=3.21
sdW=1052.8
fwW=2.97
sdS=492.5
fwS=3.37
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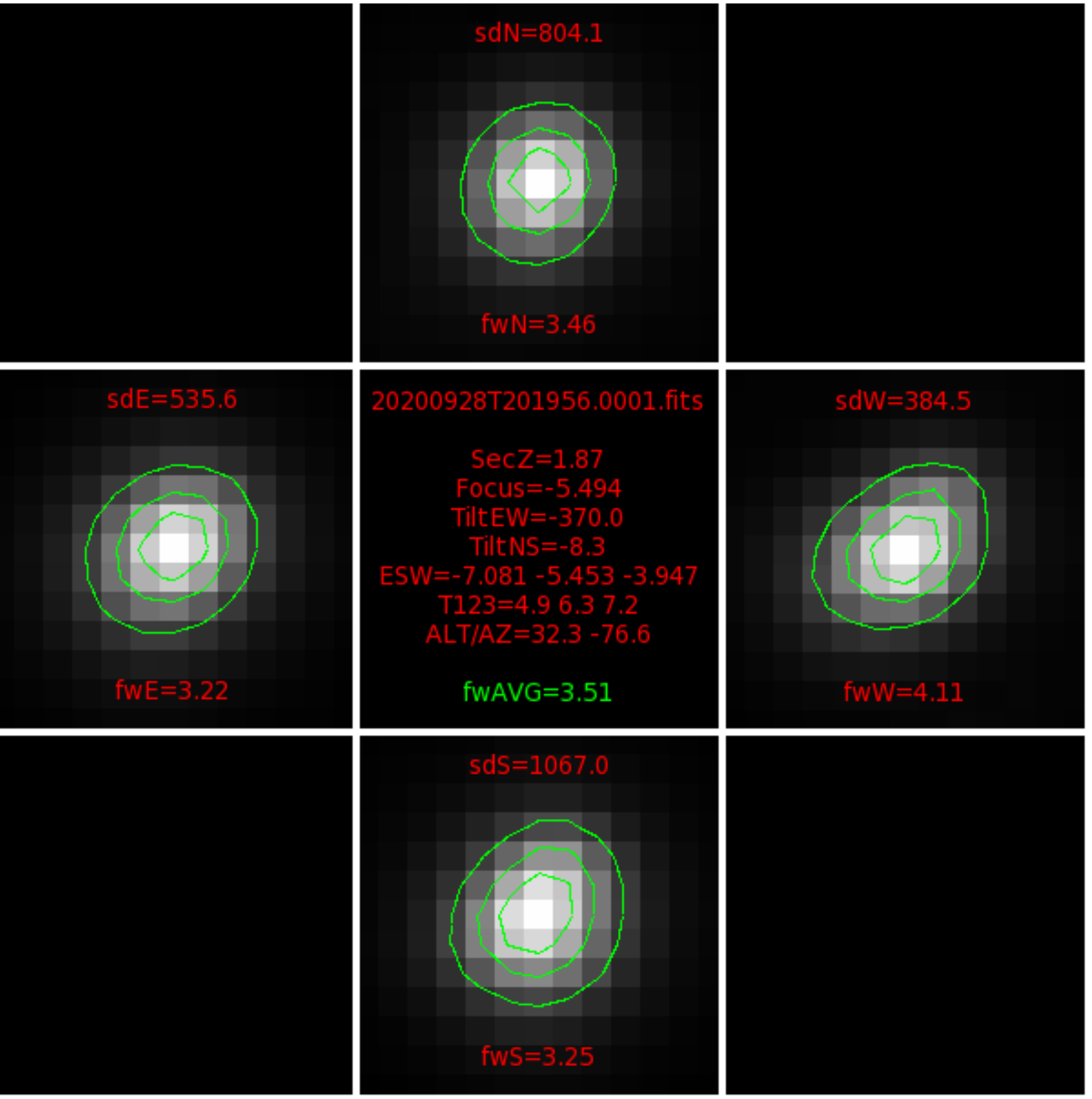
sdN=804.1
fwN=3.46
sdE=535.6
fwE=3.22
20200928T201956.0001.fits
SecZ=1.87
Focus=-5.494
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.081 -5.453 -3.947
T123=4.9 6.3 7.2
ALT/AZ=32.3 -76.6
fwAVG=3.51
sdW=384.5
fwW=4.11
sdS=1067.0
fwS=3.25
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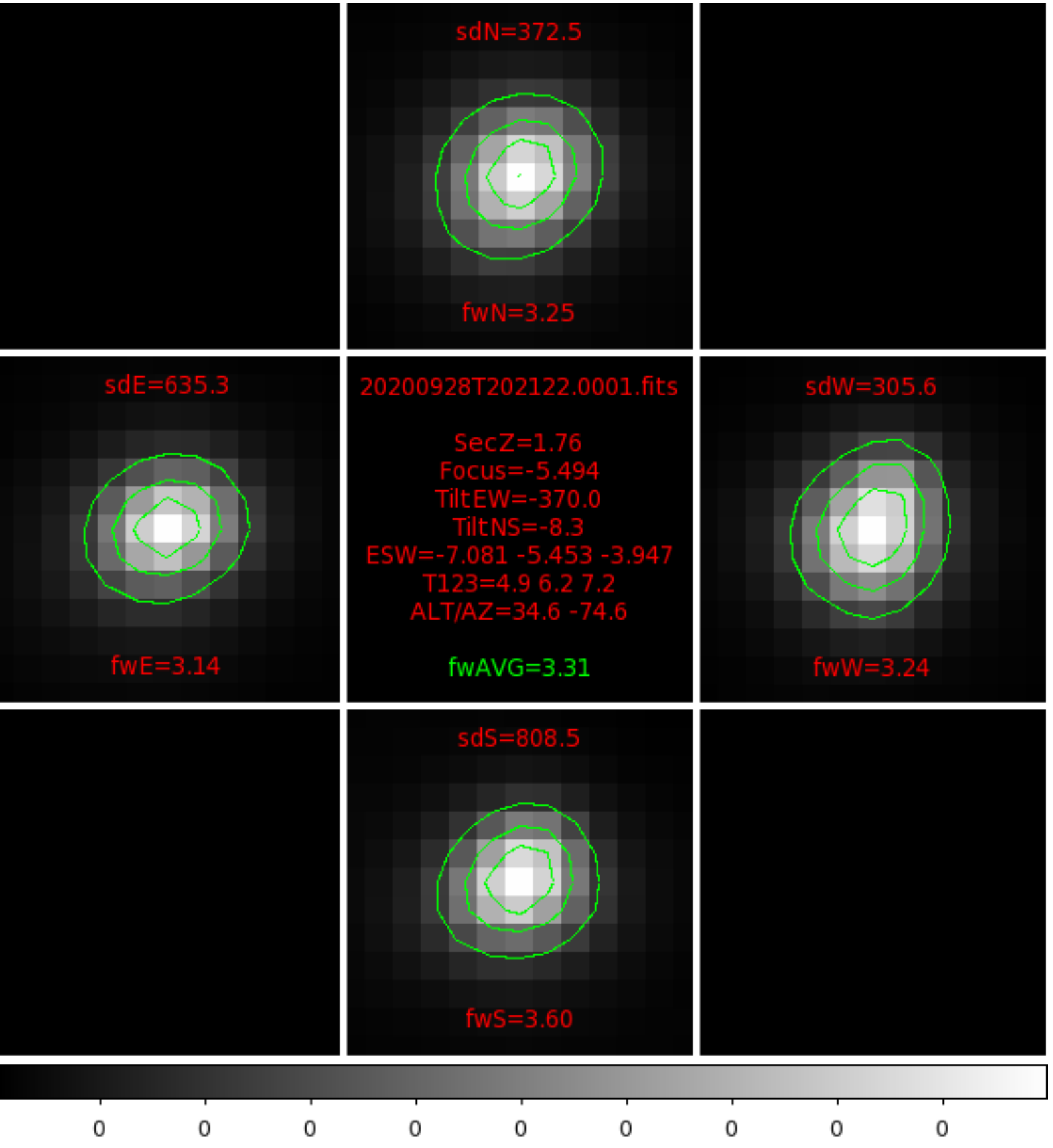
sdN=372.5
fwN=3.25
sdE=635.3
fwE=3.14
20200928T202122.0001.fits
SecZ=1.76
Focus=-5.494
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.081 -5.453 -3.947
T123=4.9 6.2 7.2
ALT/AZ=34.6 -74.6
fwAVG=3.31
sdW=305.6
fwW=3.24
sdS=808.5
fwS=3.60
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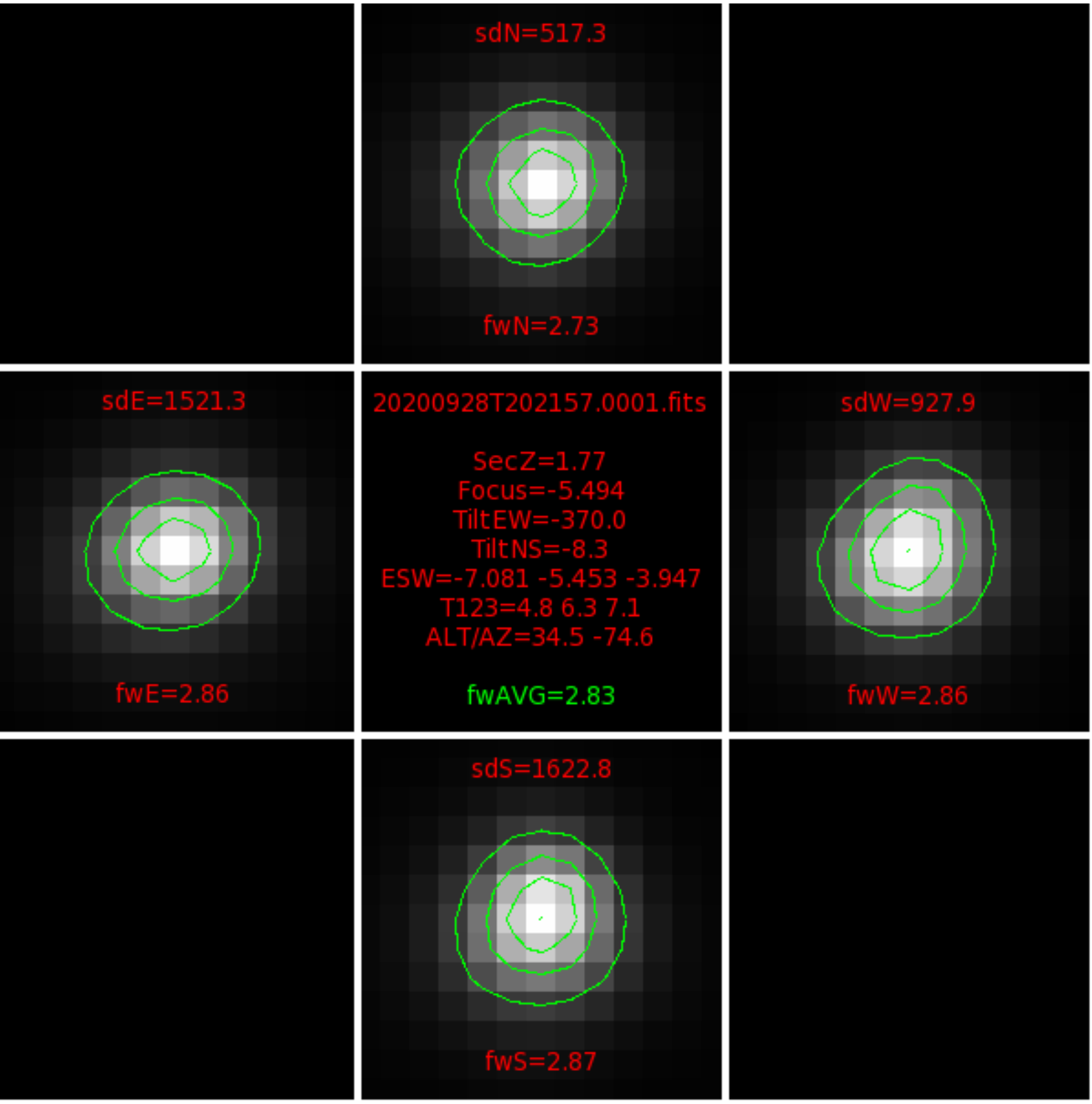
sdN=517.3
fwN=2.73
sdE=1521.3
fwE=2.86
20200928T202157.0001.fits
SecZ=1.77
Focus=-5.494
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.081 -5.453 -3.947
T123=4.8 6.3 7.1
ALT/AZ=34.5 -74.6
fwAVG=2.83
sdW=927.9
fwW=2.86
sdS=1622.8
fwS=2.87
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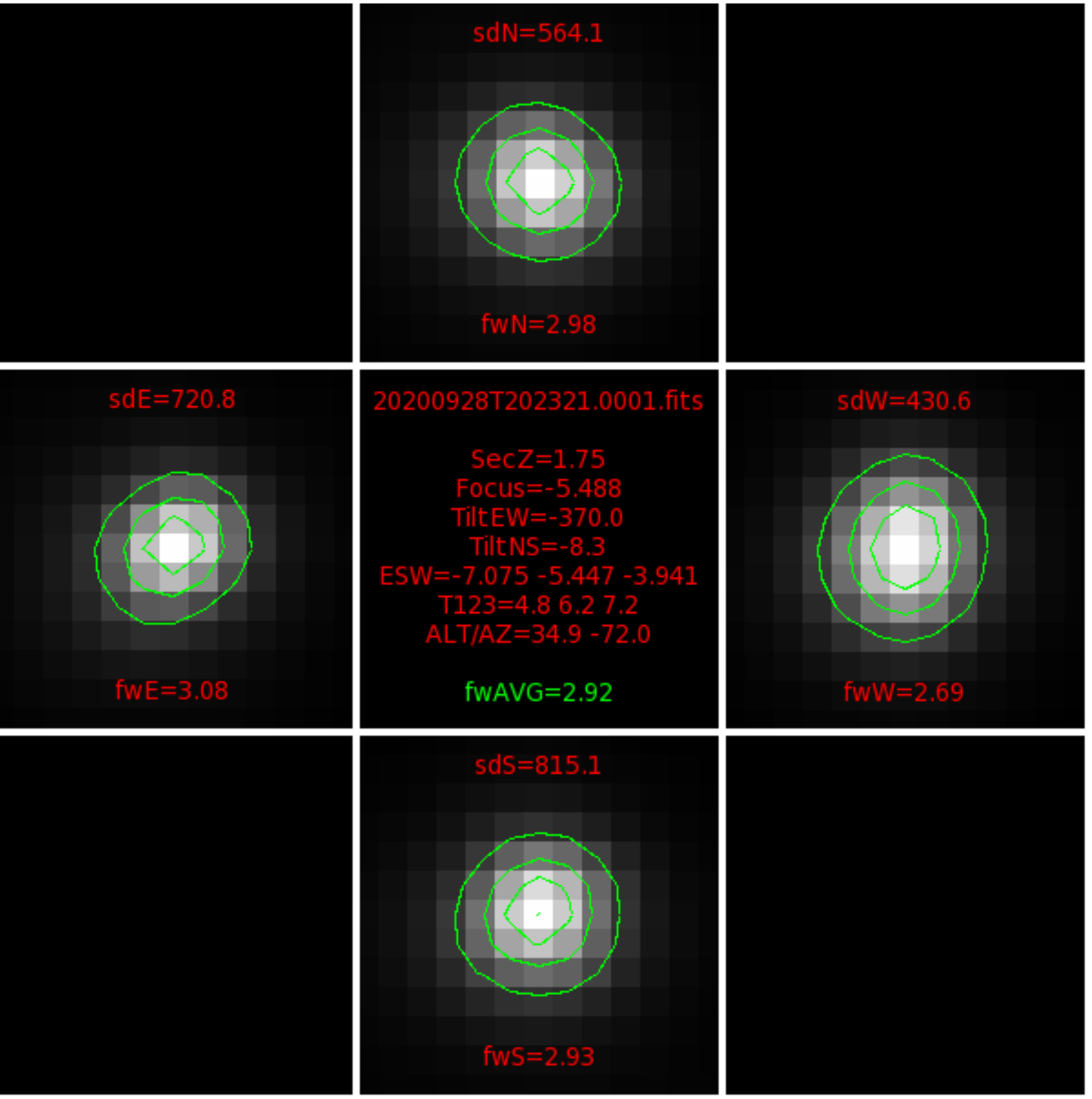
sdN=564.1
fwN=2.98
sdE=720.8
fwE=3.08
20200928T202321.0001.fits
SecZ=1.75
Focus=-5.488
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.075 -5.447 -3.941
T123=4.8 6.2 7.2
ALT/AZ=34.9 -72.0
fwAVG=2.92
sdW=430.6
fwW=2.69
sdS=815.1
fwS=2.93
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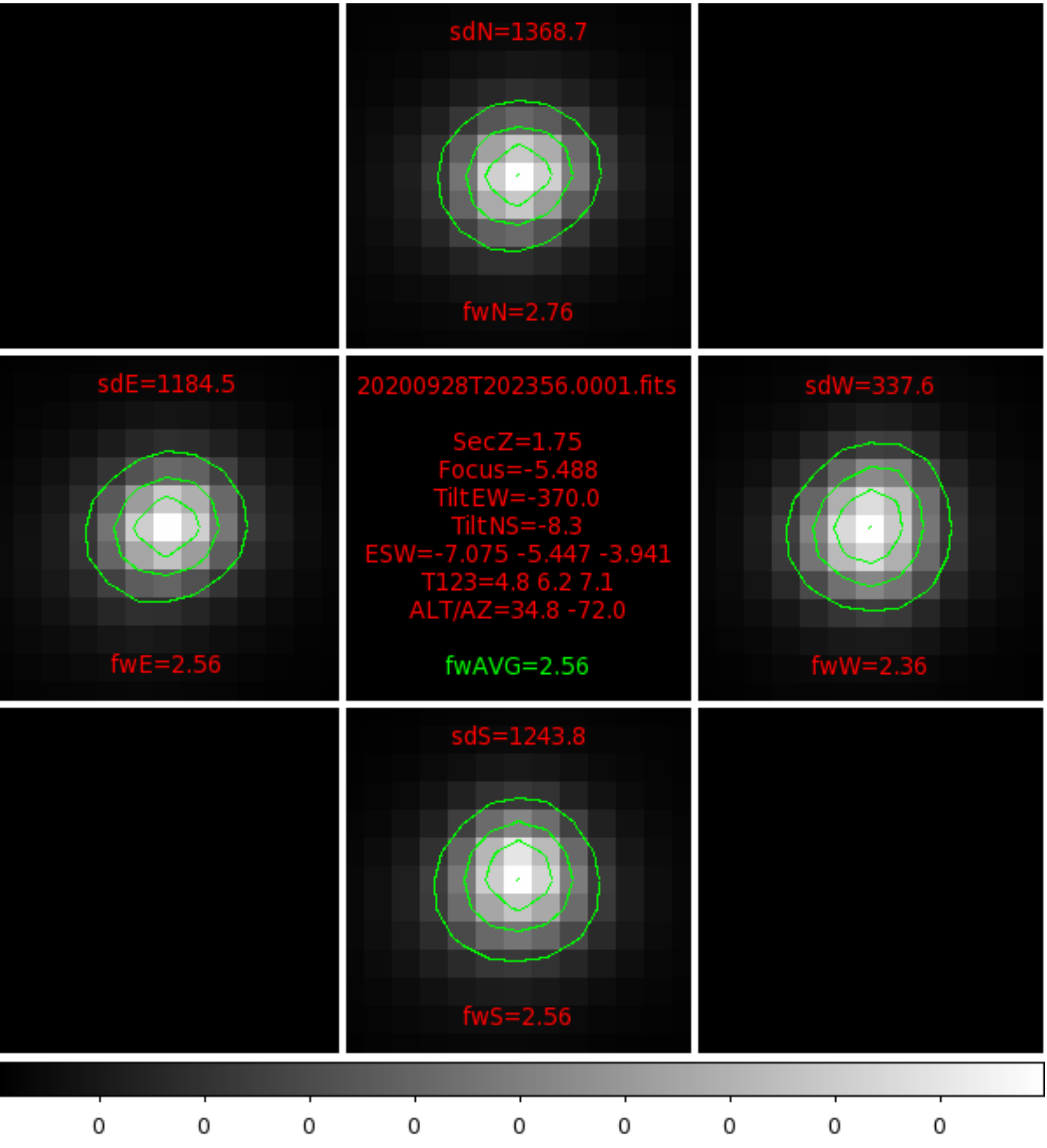
sdN=1368.7
fwN=2.76
sdE=1184.5
fwE=2.56
20200928T202356.0001.fits
SecZ=1.75
Focus=-5.488
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.075 -5.447 -3.941
T123=4.8 6.2 7.1
ALT/AZ=34.8 -72.0
fwAVG=2.56
sdW=337.6
fwW=2.36
sdS=1243.8
fwS=2.56
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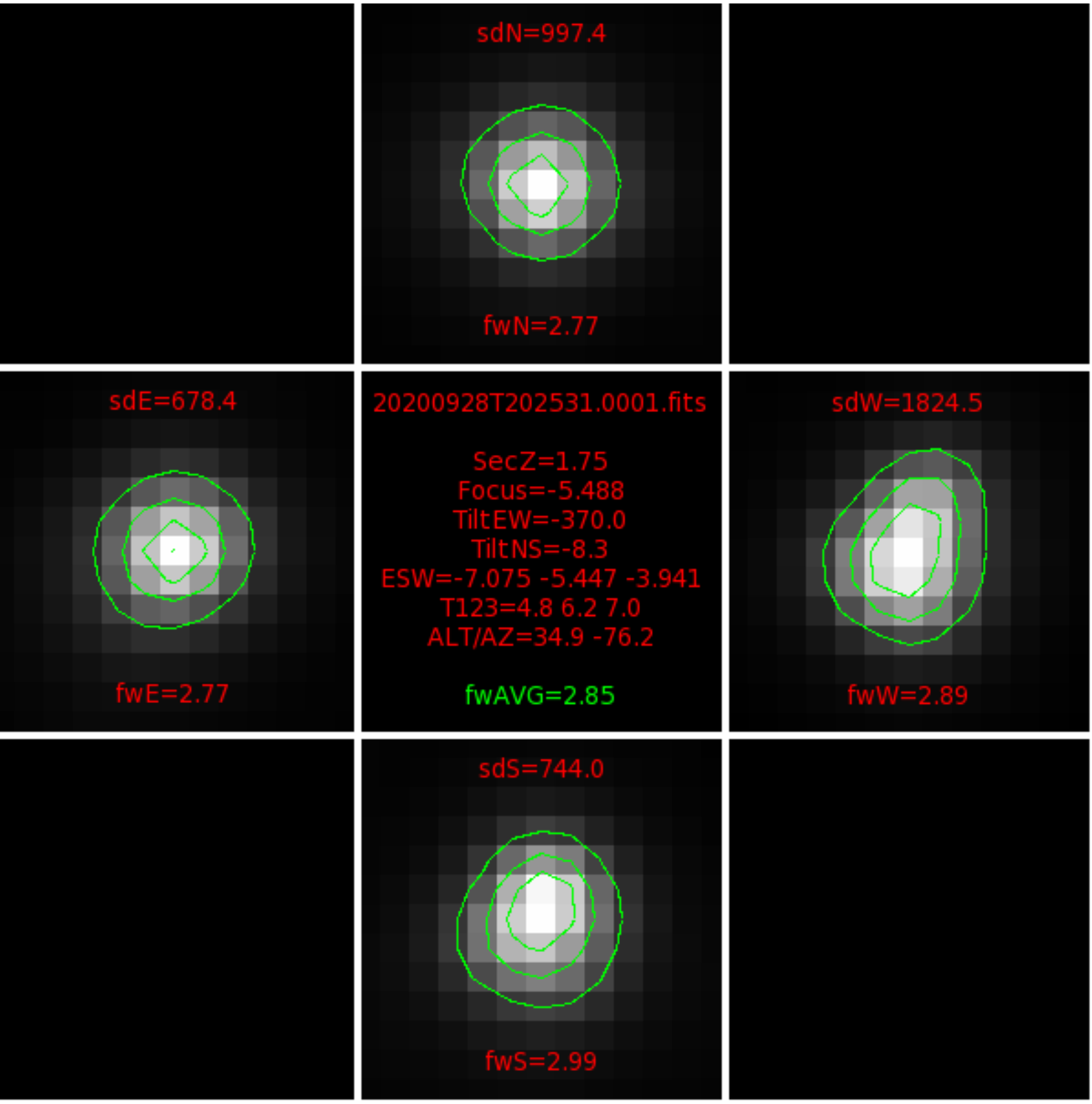
sdN=997.4
fwN=2.77
sdE=678.4
fwE=2.77
20200928T202531.0001.fits
SecZ=1.75
Focus=-5.488
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.075 -5.447 -3.941
T123=4.8 6.2 7.0
ALT/AZ=34.9 -76.2
fwAVG=2.85
sdW=1824.5
fwW=2.89
sdS=744.0
fwS=2.99
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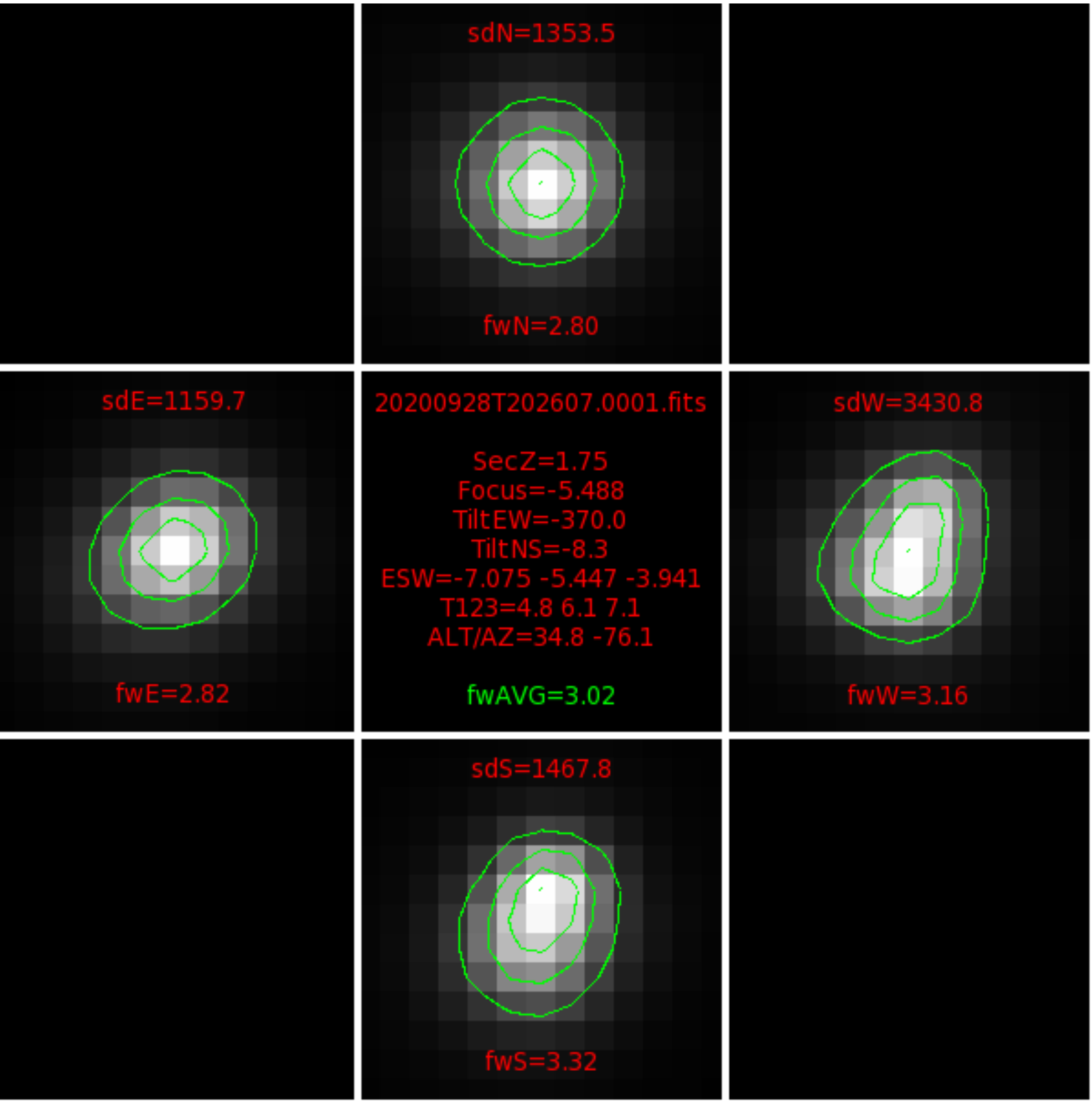
sdN=1353.5
fwN=2.80
sdE=1159.7
fwE=2.82
20200928T202607.0001.fits
SecZ=1.75
Focus=-5.488
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.075 -5.447 -3.941
T123=4.8 6.1 7.1
ALT/AZ=34.8 -76.1
fwAVG=3.02
sdW=3430.8
fwW=3.16
sdS=1467.8
fwS=3.32
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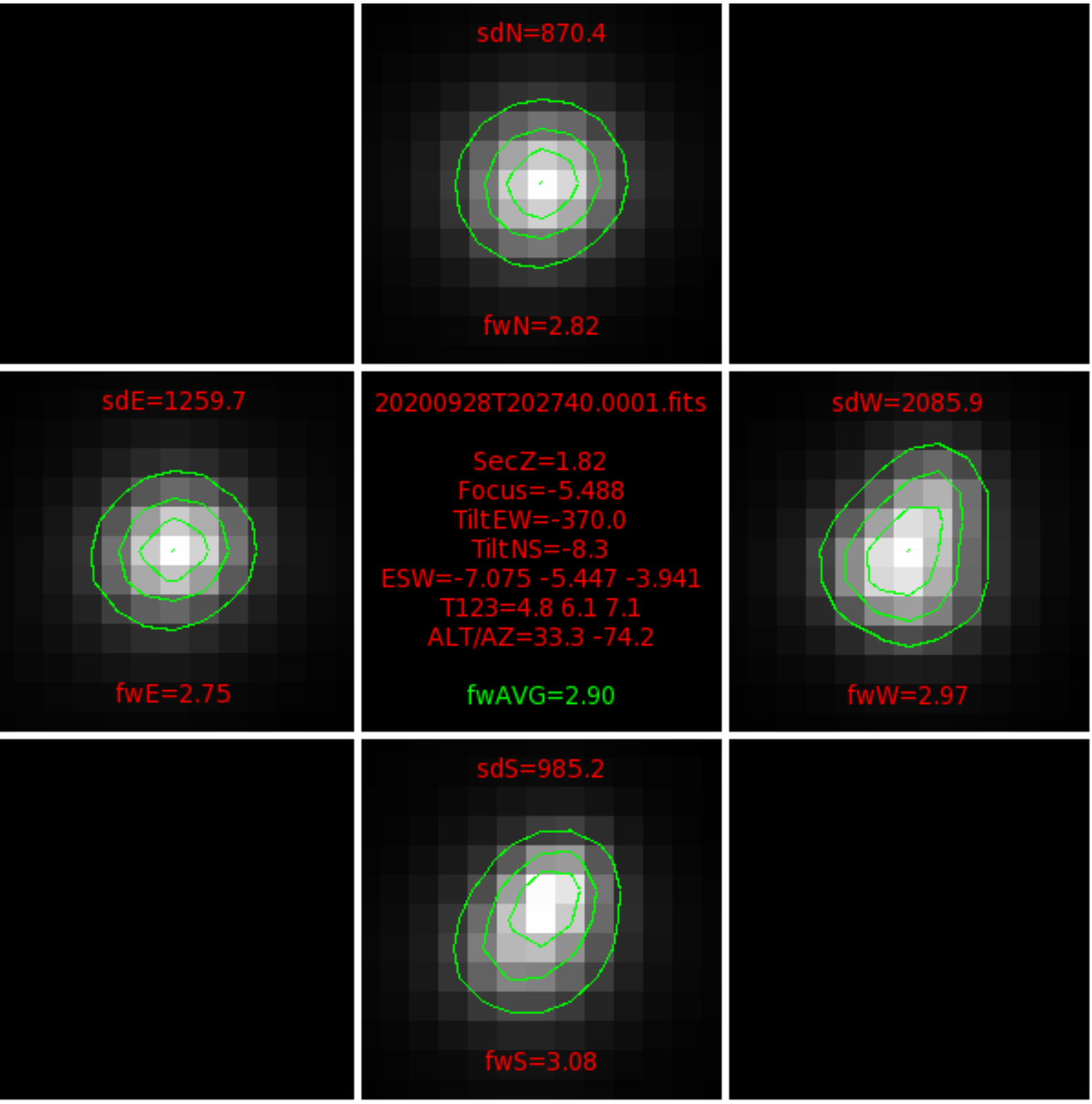
sdN=870.4
fwN=2.82
sdE=1259.7
fwE=2.75
20200928T202740.0001.fits
SecZ=1.82
Focus=-5.488
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.075 -5.447 -3.941
T123=4.8 6.1 7.1
ALT/AZ=33.3 -74.2
fwAVG=2.90
sdW=2085.9
fwW=2.97
sdS=985.2
fwS=3.08
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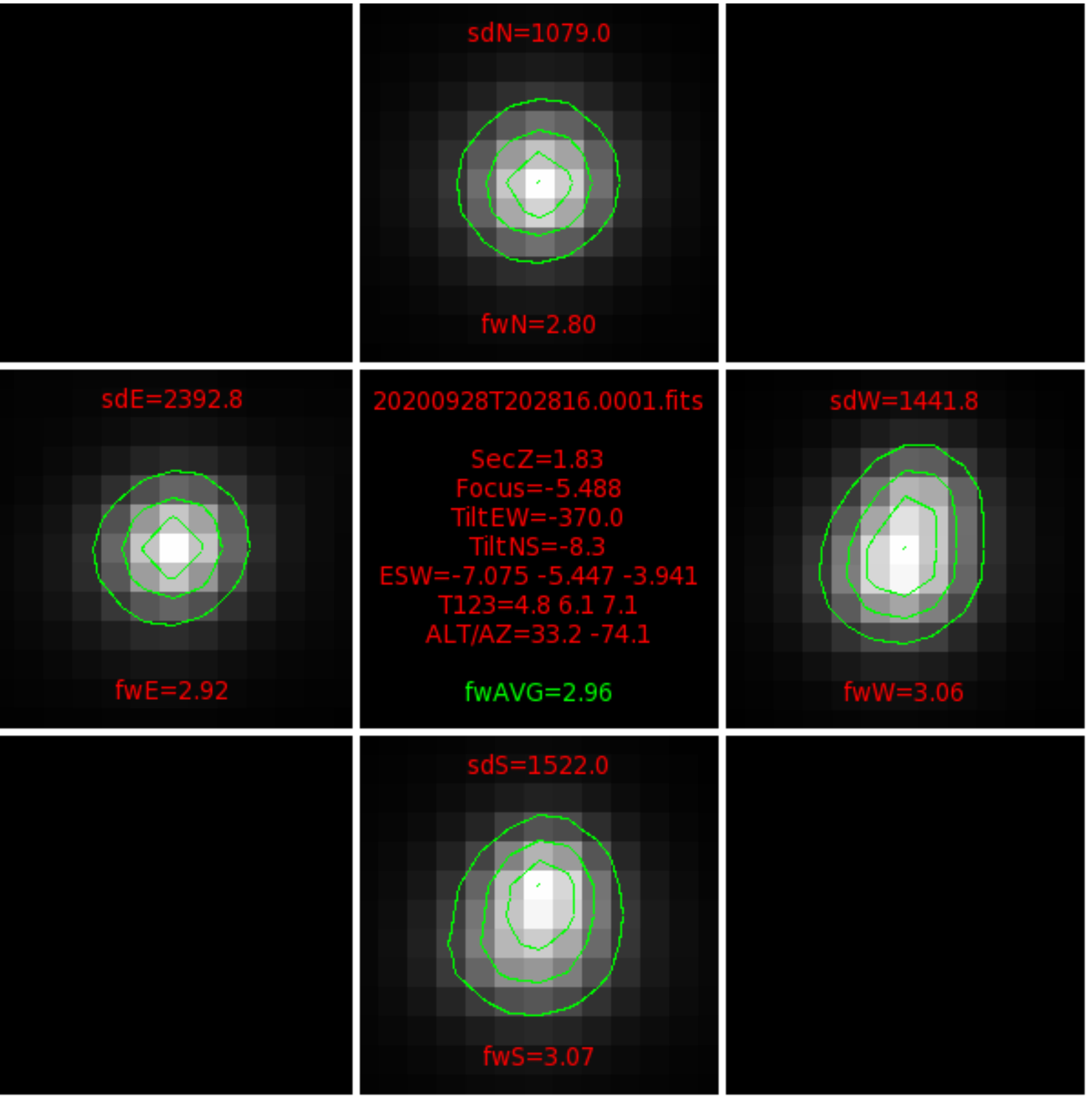
sdN=1079.0
fwN=2.80
sdE=2392.8
fwE=2.92
20200928T202816.0001.fits
SecZ=1.83
Focus=-5.488
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.075 -5.447 -3.941
T123=4.8 6.1 7.1
ALT/AZ=33.2 -74.1
fwAVG=2.96
sdW=1441.8
fwW=3.06
sdS=1522.0
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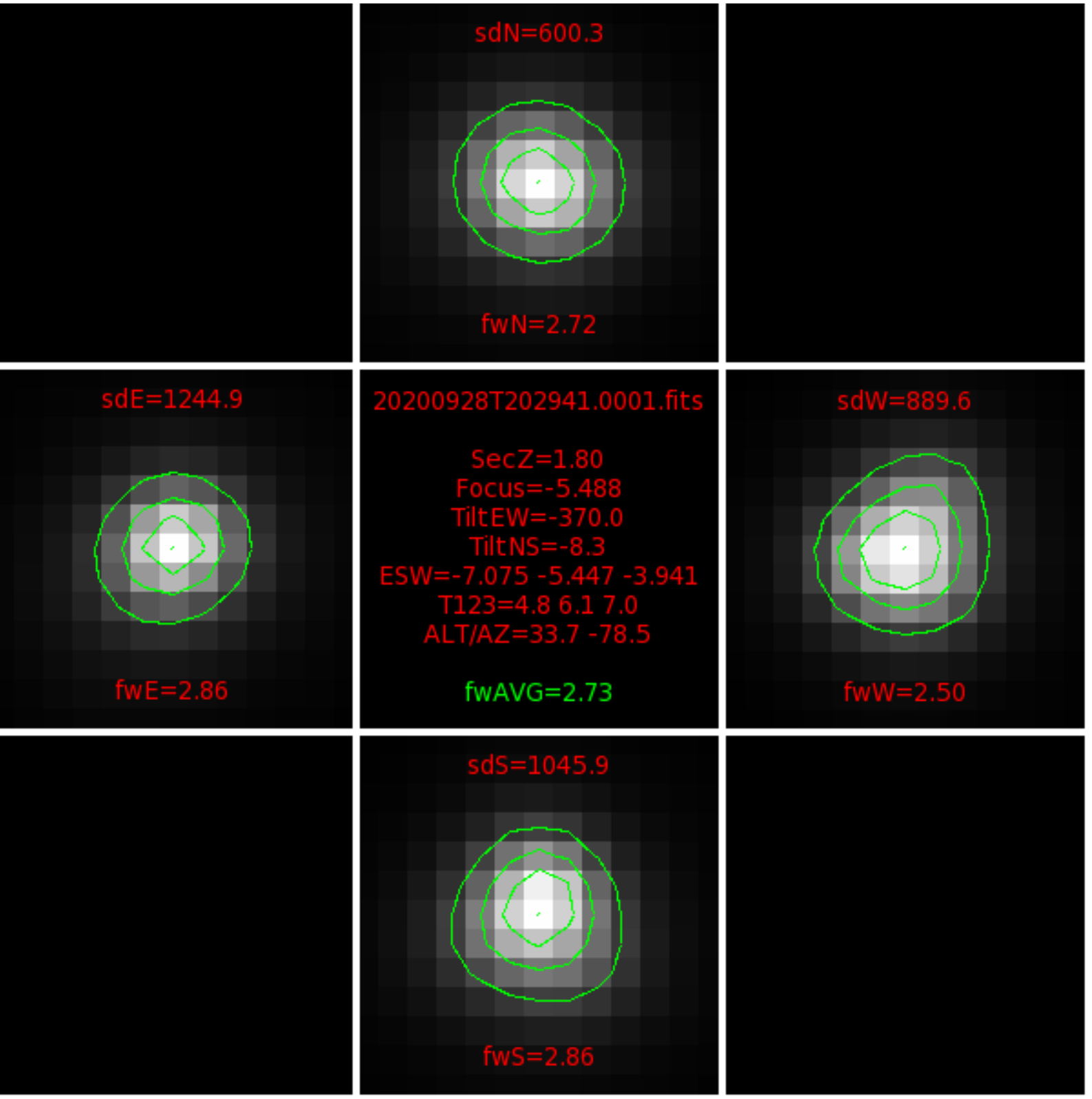
sdN=600.3
fwN=2.72
sdE=1244.9
fwE=2.86
20200928T202941.0001.fits
SecZ=1.80
Focus=-5.488
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.075 -5.447 -3.941
T123=4.8 6.1 7.0
ALT/AZ=33.7 -78.5
fwAVG=2.73
sdW=889.6
fwW=2.50
sdS=1045.9
fwS=2.86
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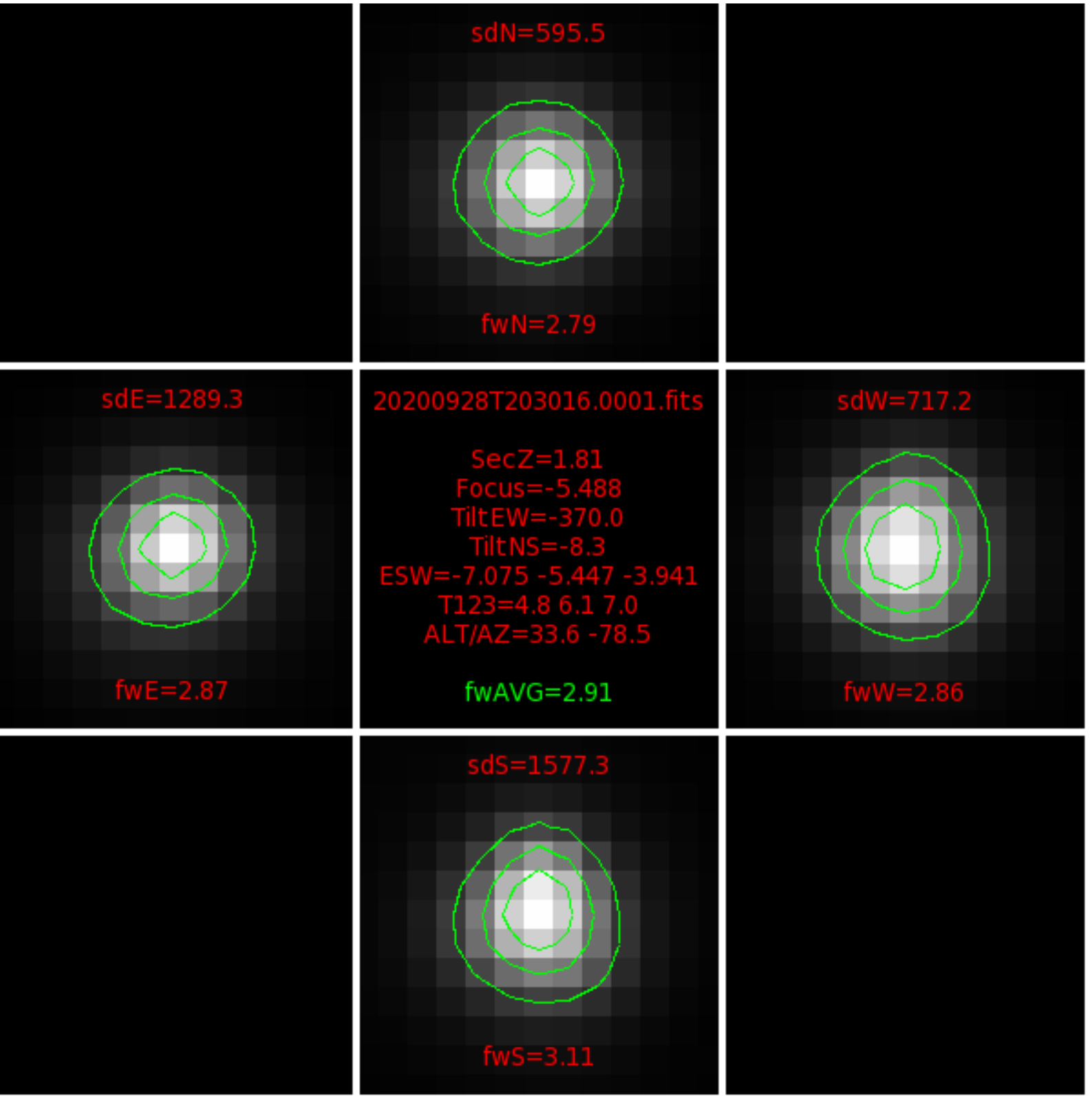
sdN=595.5
fwN=2.79
sdE=1289.3
fwE=2.87
20200928T203016.0001.fits
SecZ=1.81
Focus=-5.488
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.075 -5.447 -3.941
T123=4.8 6.1 7.0
ALT/AZ=33.6 -78.5
fwAVG=2.91
sdW=717.2
fwW=2.86
sdS=1577.3
fwS=3.11
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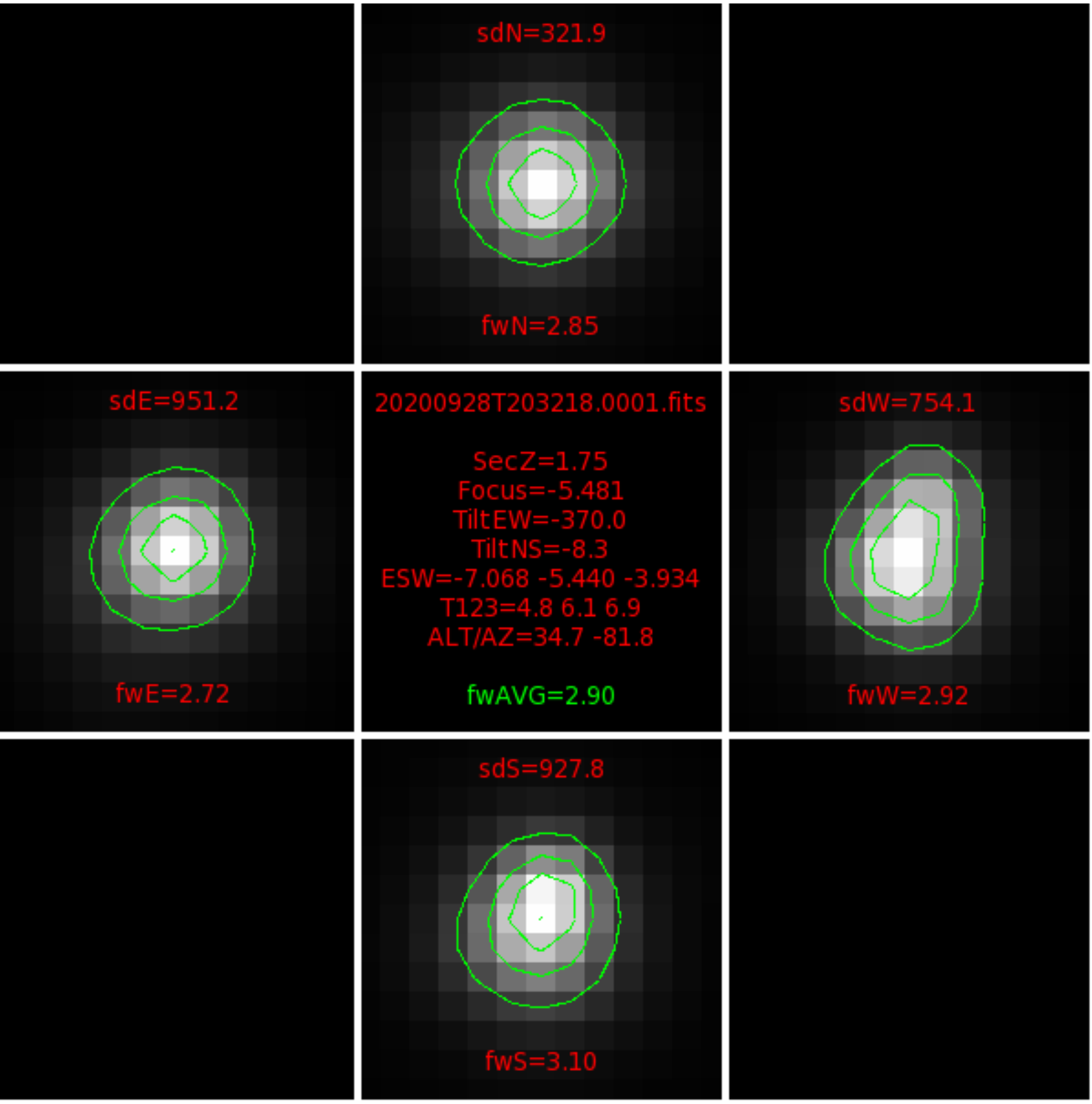
sdN=321.9
fwN=2.85
sdE=951.2
fwE=2.72
20200928T203218.0001.fits
SecZ=1.75
Focus=-5.481
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.068 -5.440 -3.934
T123=4.8 6.1 6.9
ALT/AZ=34.7 -81.8
fwAVG=2.90
sdW=754.1
fwW=2.92
sdS=927.8
fwS=3.10
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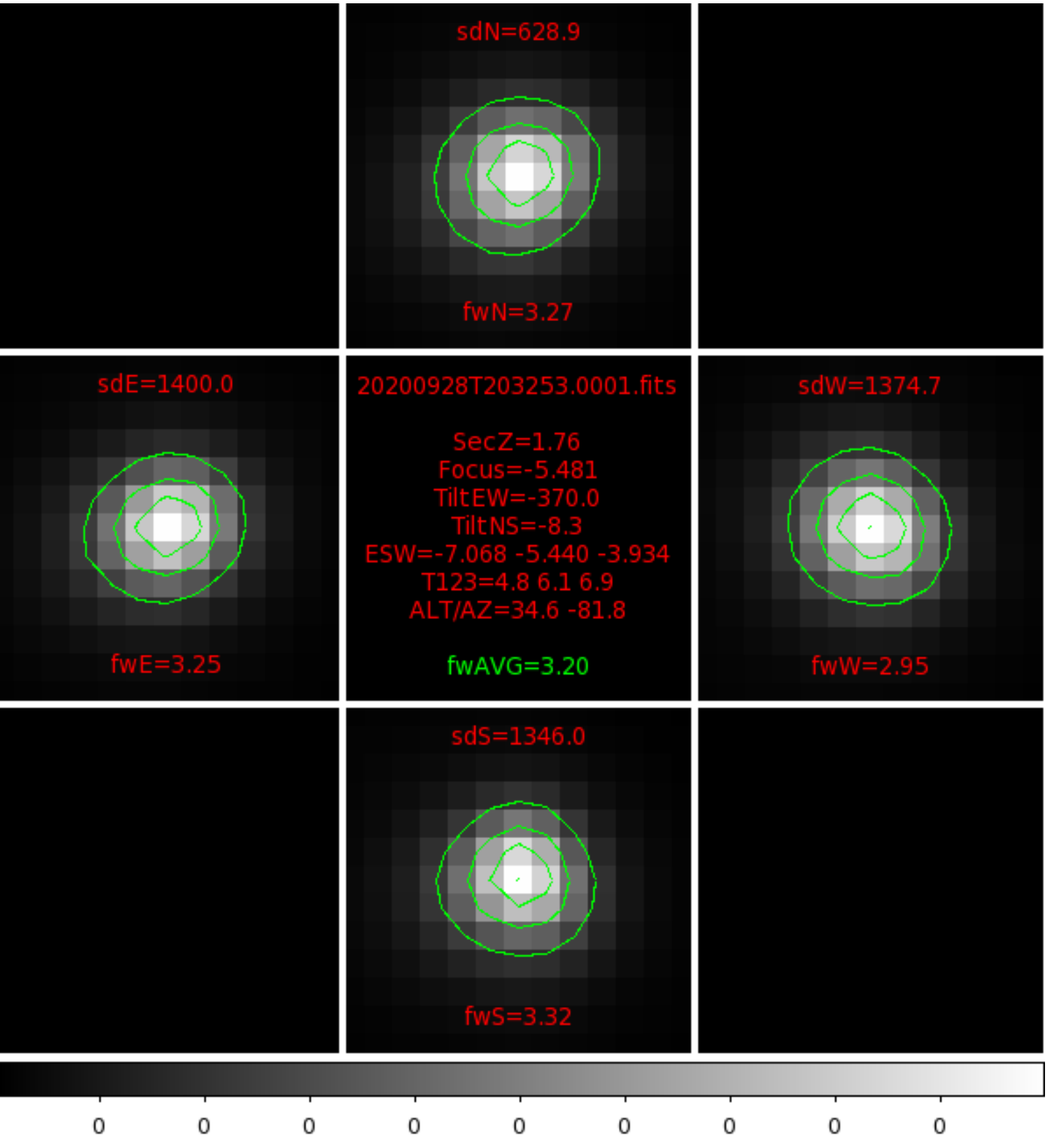
sdN=628.9
fwN=3.27
sdE=1400.0
fwE=3.25
20200928T203253.0001.fits
SecZ=1.76
Focus=-5.481
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.068 -5.440 -3.934
T123=4.8 6.1 6.9
ALT/AZ=34.6 -81.8
fwAVG=3.20
sdW=1374.7
fwW=2.95
sdS=1346.0
fwS=3.32
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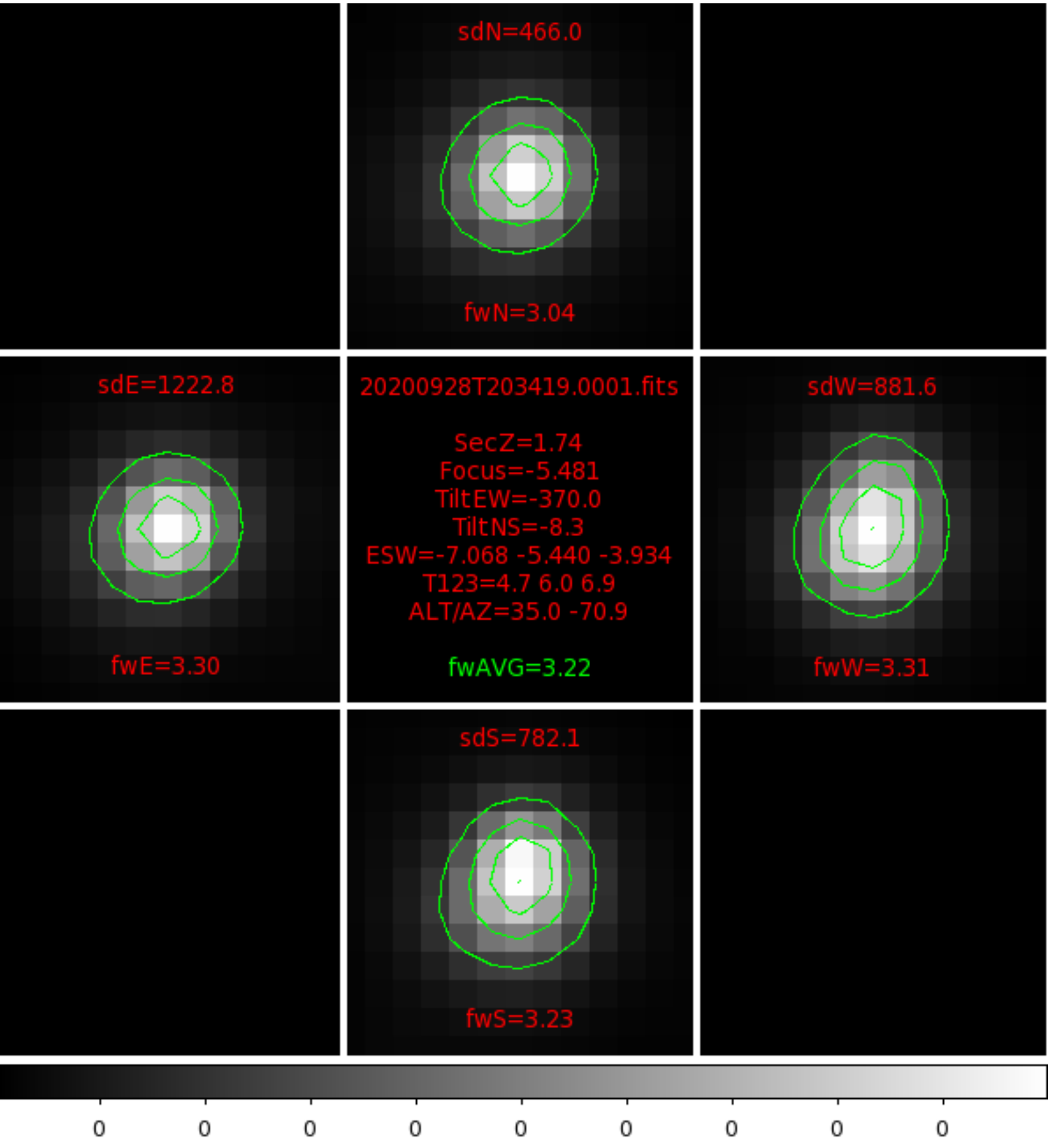
sdN=466.0
fwN=3.04
sdE=1222.8
fwE=3.30
20200928T203419.0001.fits
SecZ=1.74
Focus=-5.481
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.068 -5.440 -3.934
T123=4.7 6.0 6.9
ALT/AZ=35.0 -70.9
fwAVG=3.22
sdW=881.6
fwW=3.31
sdS=782.1
fwS=3.23
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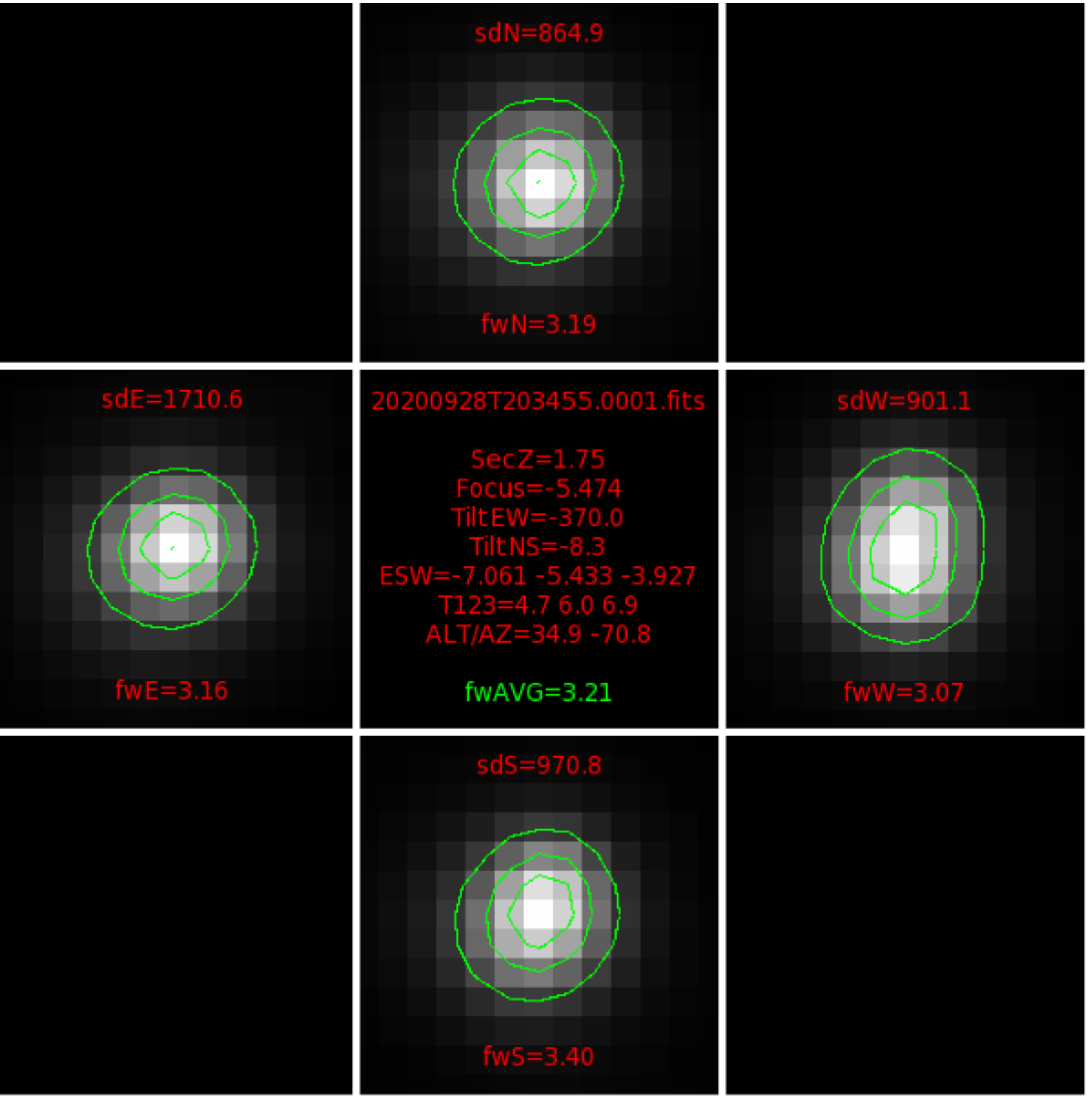
sdN=864.9
fwN=3.19
sdE=1710.6
fwE=3.16
20200928T203455.0001.fits
SecZ=1.75
Focus=-5.474
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.061 -5.433 -3.927
T123=4.7 6.0 6.9
ALT/AZ=34.9 -70.8
fwAVG=3.21
sdW=901.1
fwW=3.07
sdS=970.8
fwS=3.40
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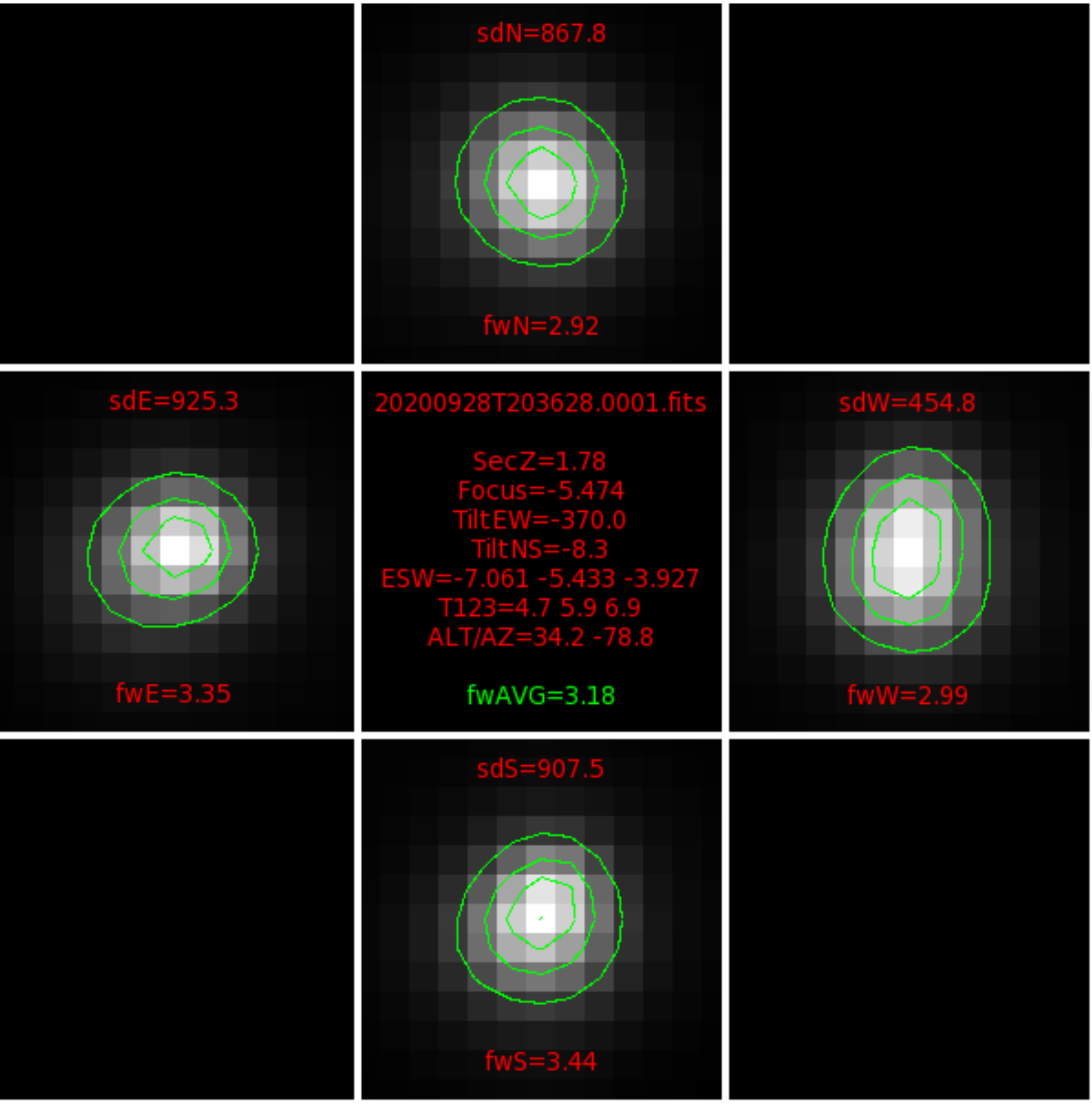
sdN=867.8
fwN=2.92
sdE=925.3
fwE=3.35
20200928T203628.0001.fits
SecZ=1.78
Focus=-5.474
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.061 -5.433 -3.927
T123=4.7 5.9 6.9
ALT/AZ=34.2 -78.8
fwAVG=3.18
sdW=454.8
fwW=2.99
sdS=907.5
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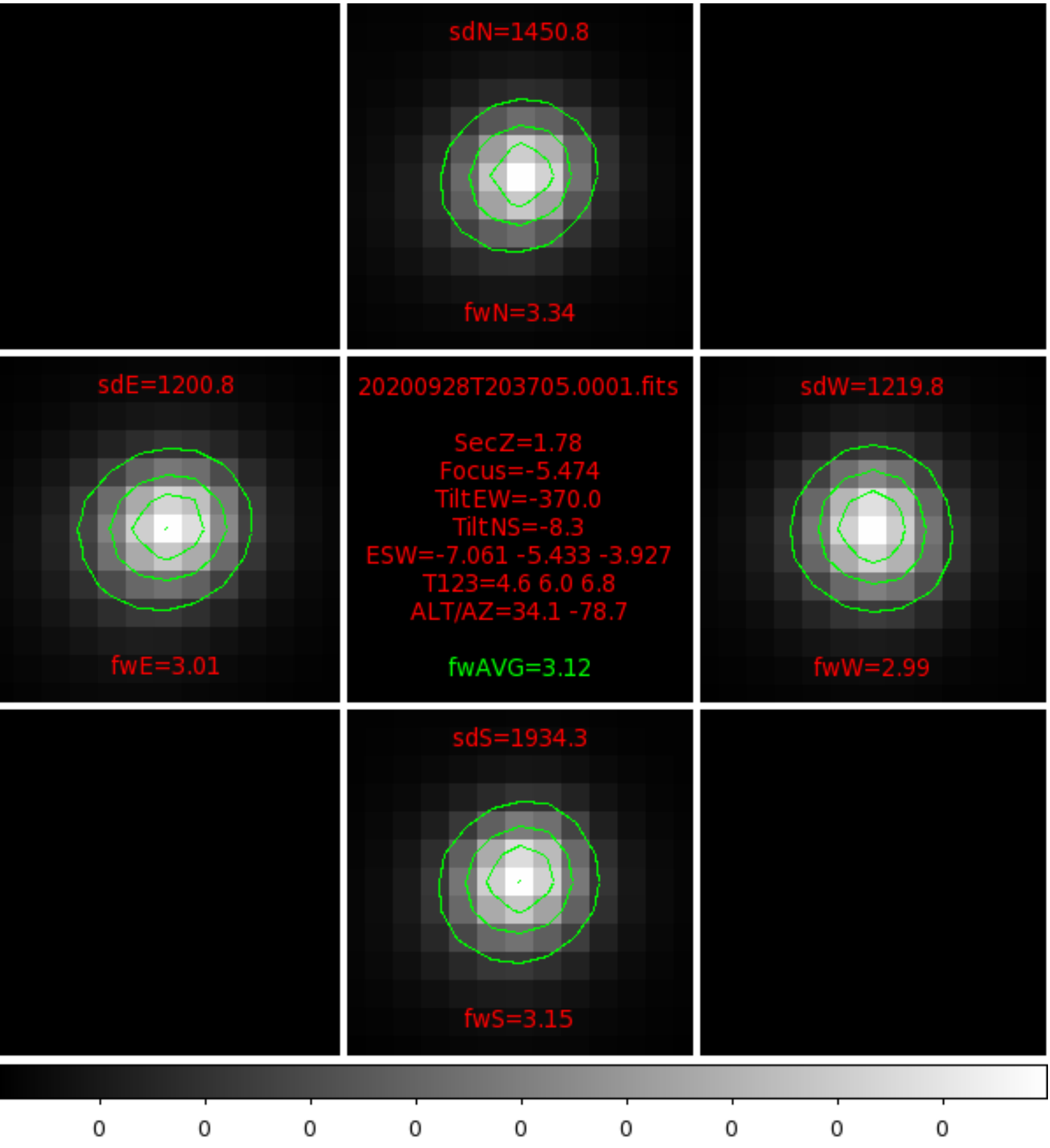
sdN=1450.8
fwN=3.34
sdE=1200.8
fwE=3.01
20200928T203705.0001.fits
SecZ=1.78
Focus=-5.474
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.061 -5.433 -3.927
T123=4.6 6.0 6.8
ALT/AZ=34.1 -78.7
fwAVG=3.12
sdW=1219.8
fwW=2.99
sdS=1934.3
fwS=3.15
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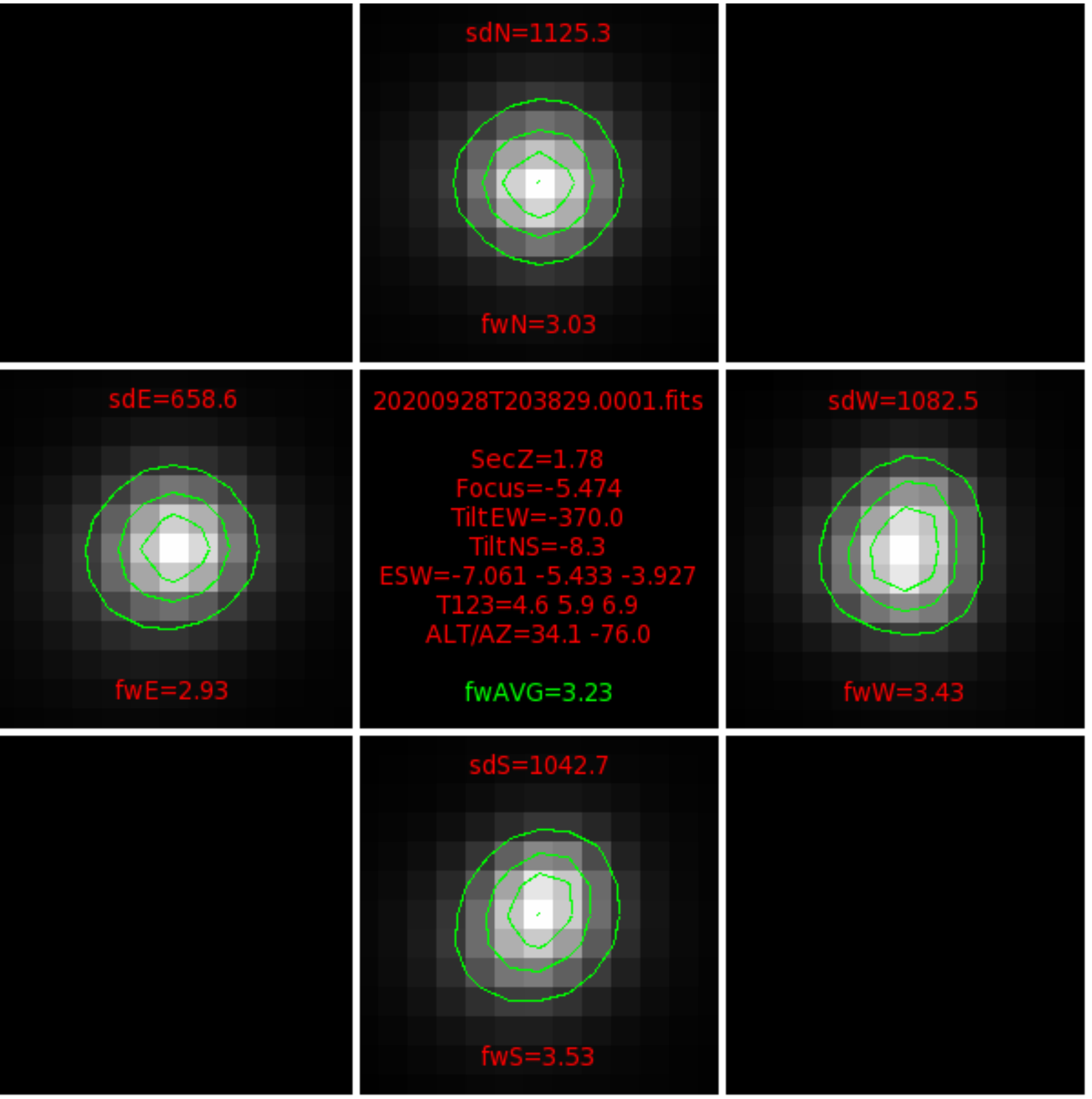
sdN=1125.3
fwN=3.03
sdE=658.6
fwE=2.93
20200928T203829.0001.fits
SecZ=1.78
Focus=-5.474
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.061 -5.433 -3.927
T123=4.6 5.9 6.9
ALT/AZ=34.1 -76.0
fwAVG=3.23
sdW=1082.5
fwW=3.43
sdS=1042.7
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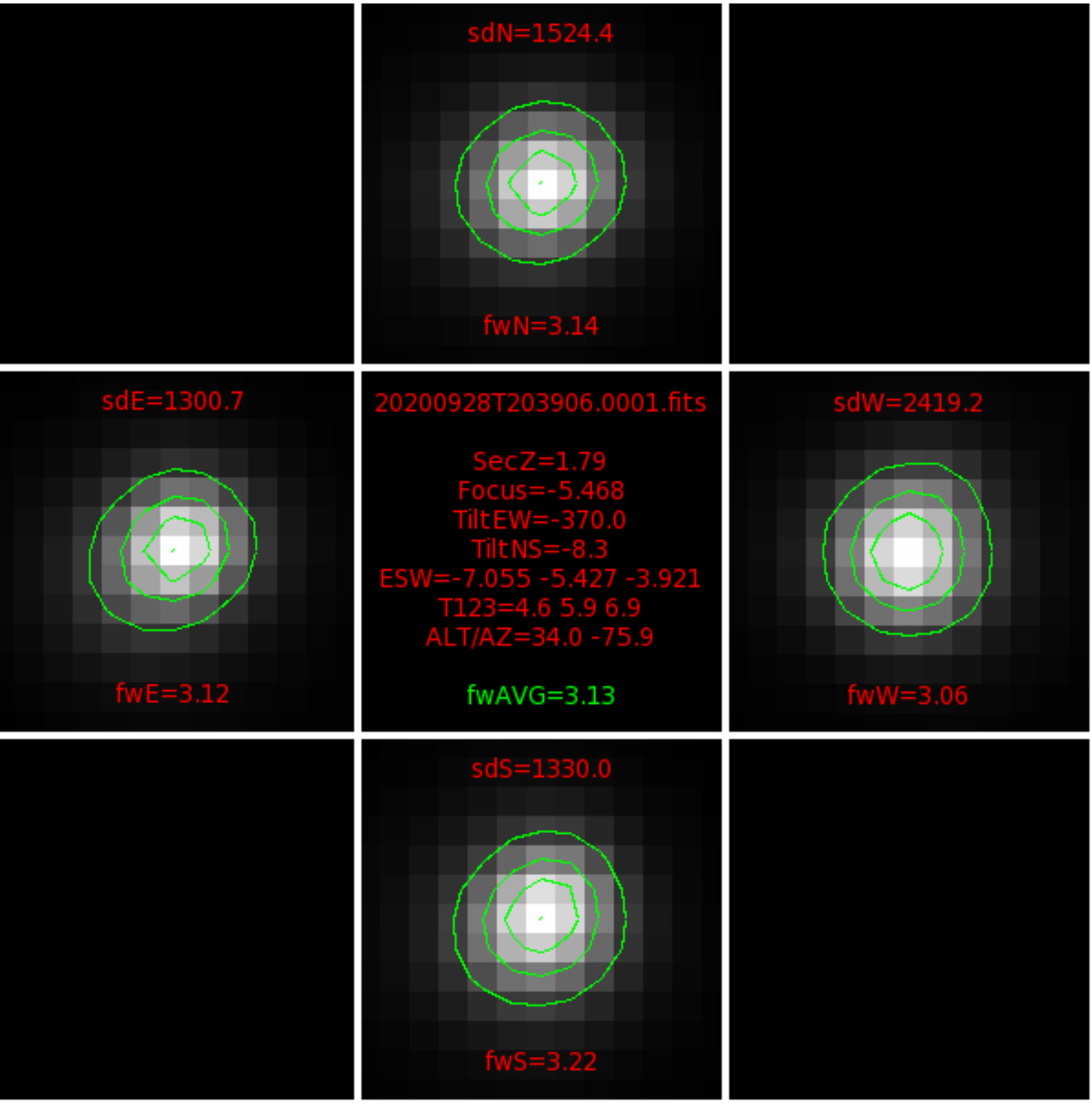
sdN=1524.4
fwN=3.14
sdE=1300.7
fwE=3.12
20200928T203906.0001.fits
SecZ=1.79
Focus=-5.468
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.055 -5.427 -3.921
T123=4.6 5.9 6.9
ALT/AZ=34.0 -75.9
fwAVG=3.13
sdW=2419.2
fwW=3.06
sdS=1330.0
fwS=3.22
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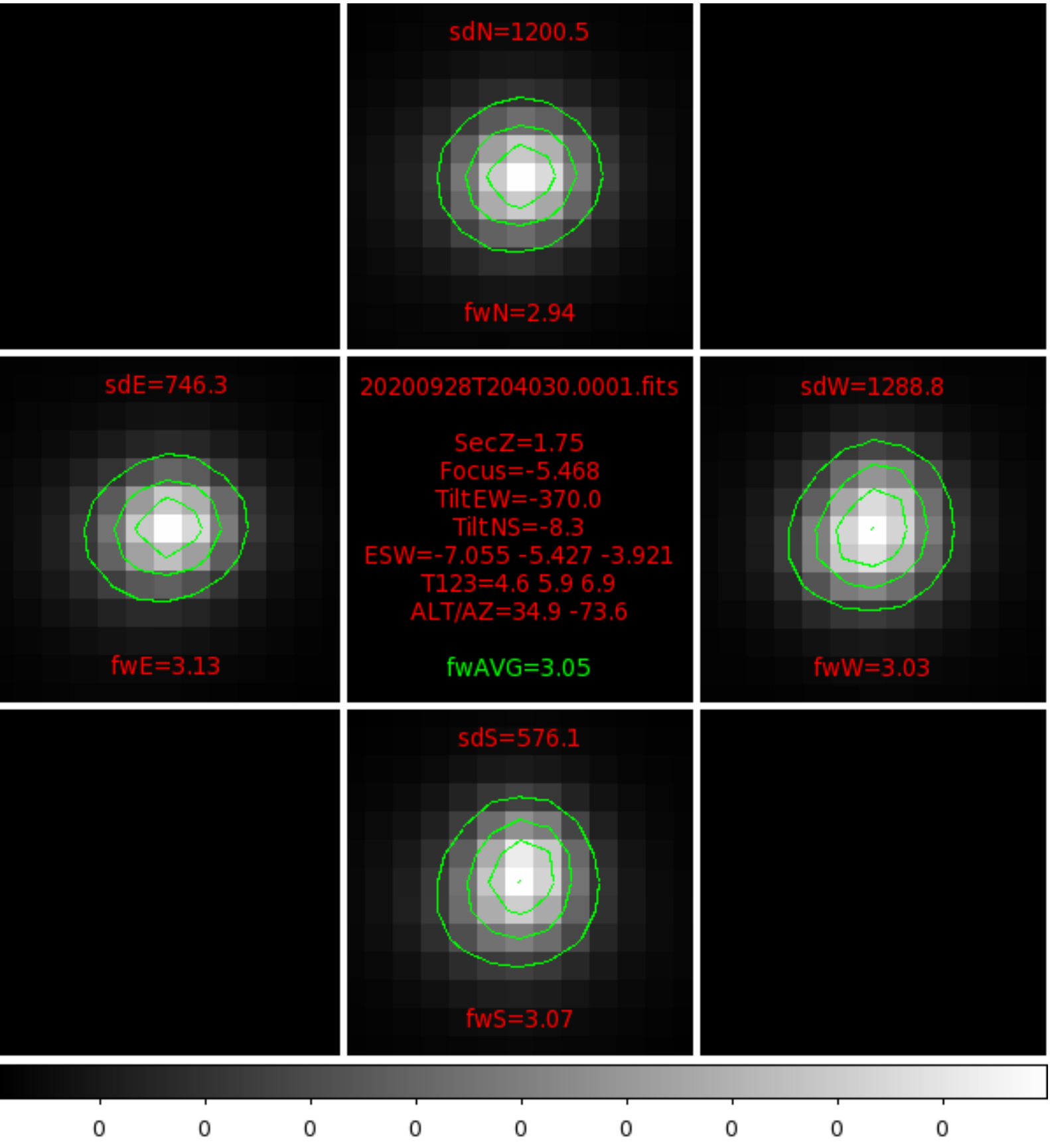
sdN=1200.5
fwN=2.94
sdE=746.3
fwE=3.13
20200928T204030.0001.fits
SecZ=1.75
Focus=-5.468
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.055 -5.427 -3.921
T123=4.6 5.9 6.9
ALT/AZ=34.9 -73.6
fwAVG=3.05
sdW=1288.8
fwW=3.03
sdS=576.1
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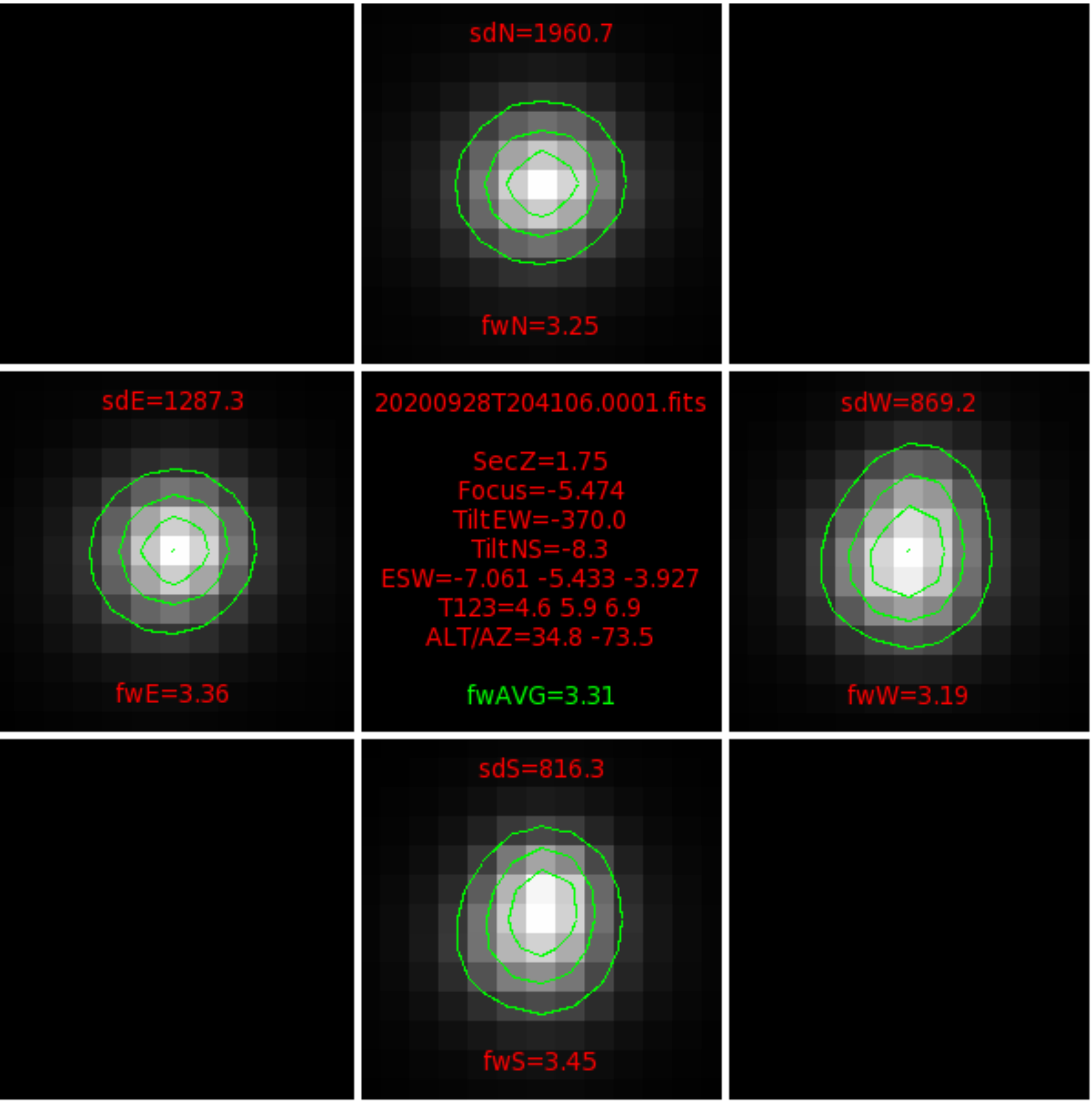
sdN=1960.7
fwN=3.25
sdE=1287.3
fwE=3.36
20200928T204106.0001.fits
SecZ=1.75
Focus=-5.474
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.061 -5.433 -3.927
T123=4.6 5.9 6.9
ALT/AZ=34.8 -73.5
fwAVG=3.31
sdW=869.2
fwW=3.19
sdS=816.3
fwS=3.45
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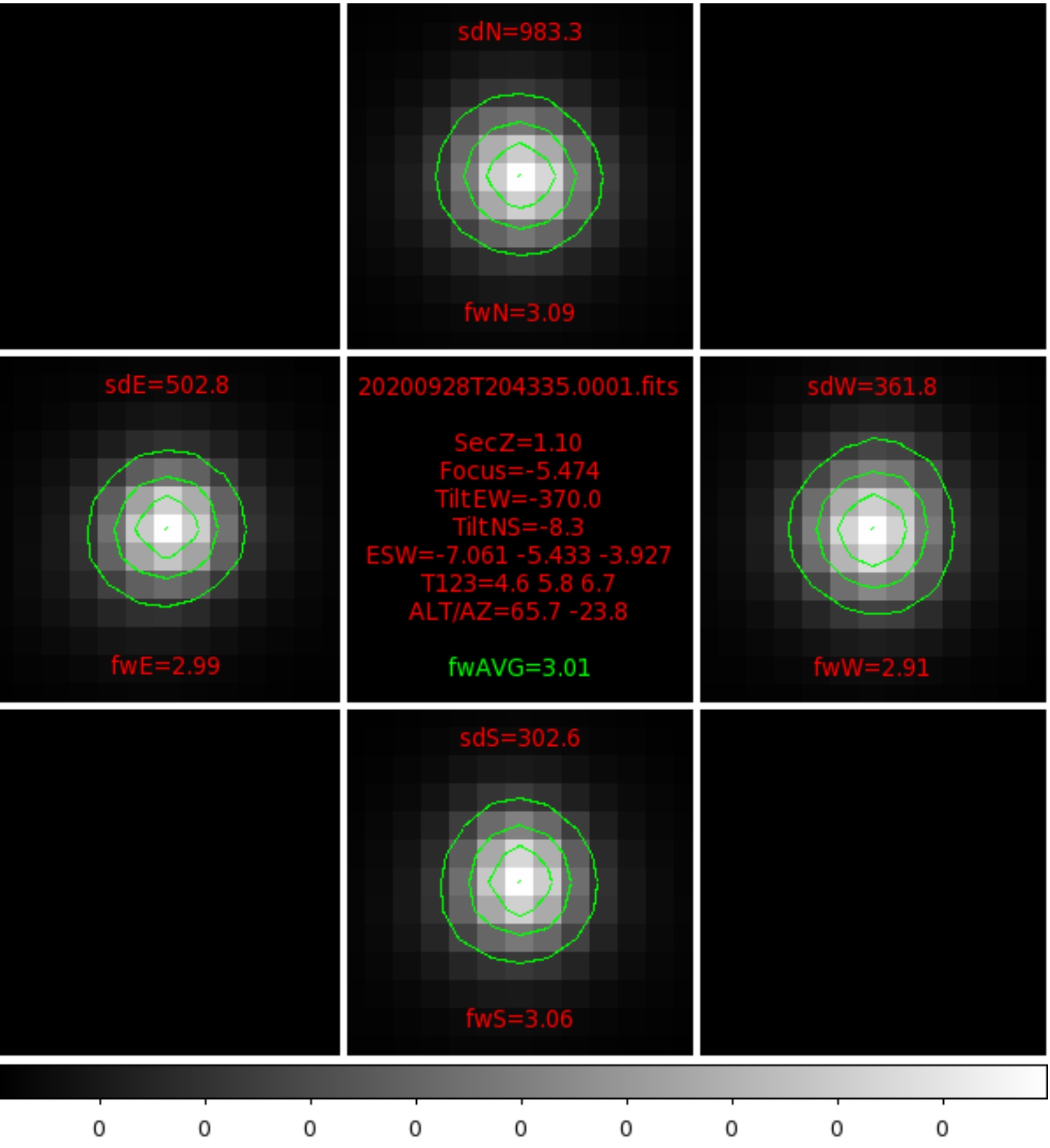
sdN=983.3
fwN=3.09
sdE=502.8
fwE=2.99
20200928T204335.0001.fits
SecZ=1.10
Focus=-5.474
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.061 -5.433 -3.927
T123=4.6 5.8 6.7
ALT/AZ=65.7 -23.8
fwAVG=3.01
sdW=361.8
fwW=2.91
sdS=302.6
fwS=3.06
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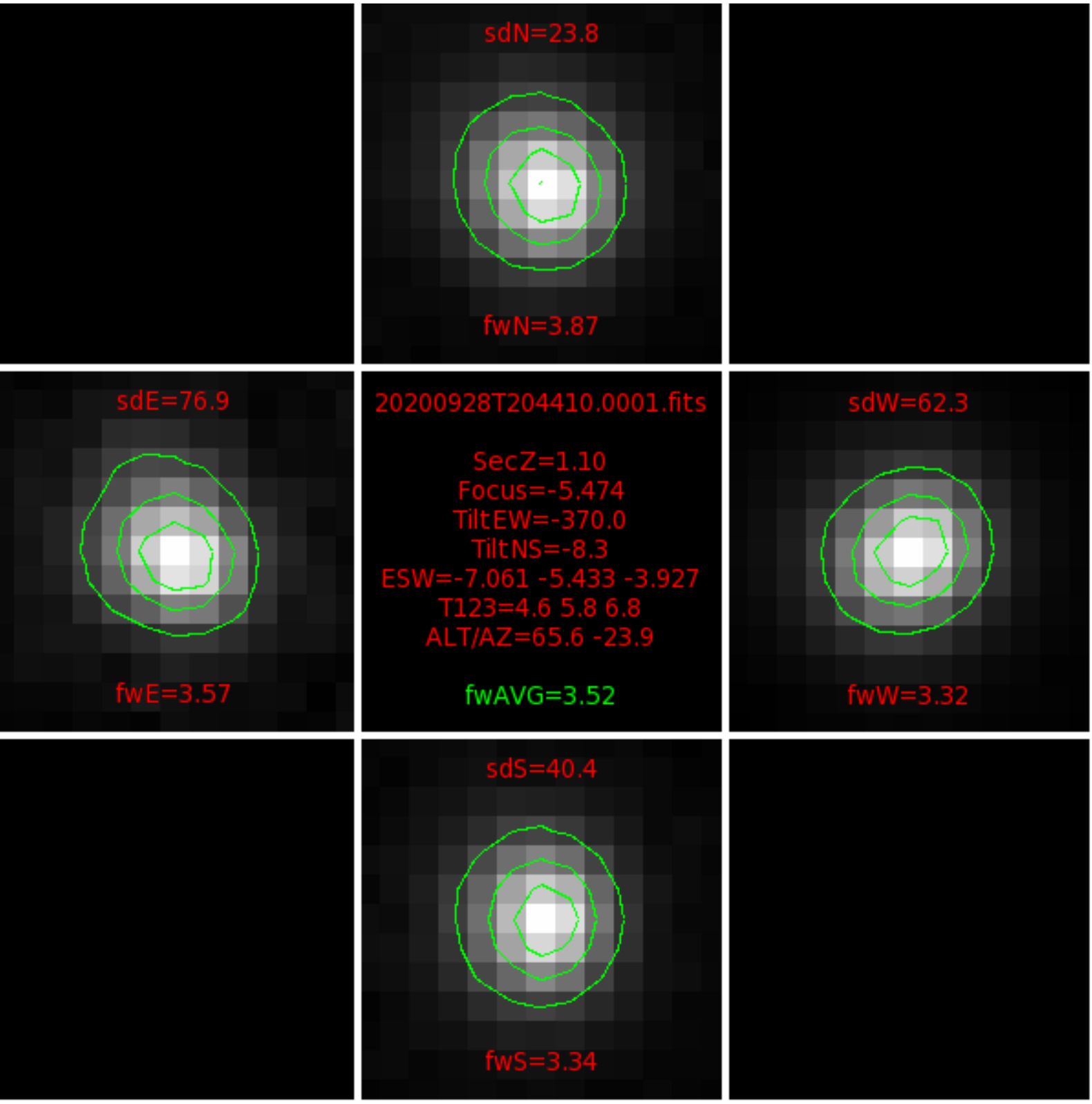
sdN=23.8
fwN=3.87
sdE=76.9
fwE=3.57
20200928T204410.0001.fits
SecZ=1.10
Focus=-5.474
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.061 -5.433 -3.927
T123=4.6 5.8 6.8
ALT/AZ=65.6 -23.9
fwAVG=3.52
sdW=62.3
fwW=3.32
sdS=40.4
fwS=3.34
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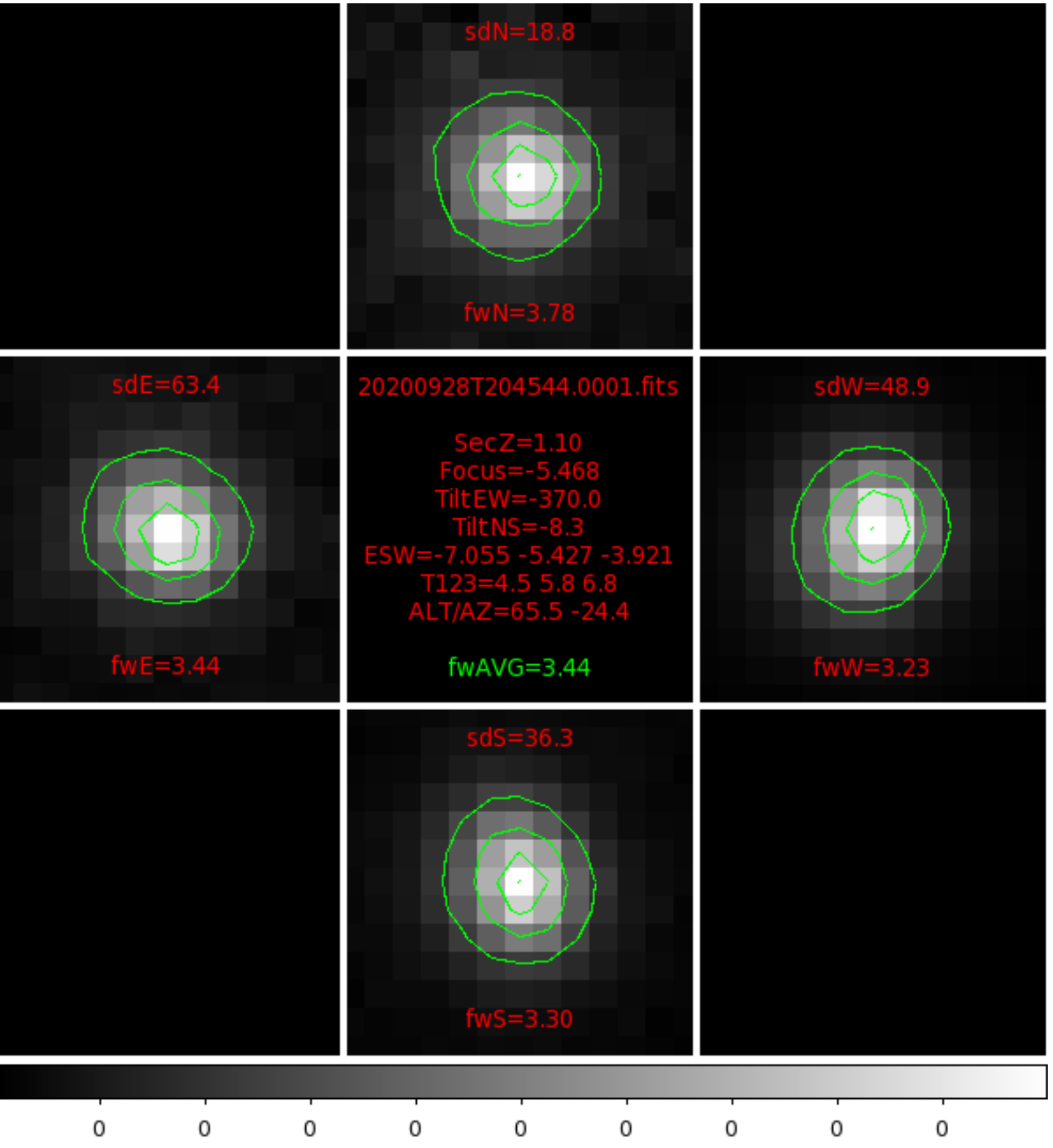
sdN=18.8
fwN=3.78
sdE=63.4
fwE=3.44
20200928T204544.0001.fits
SecZ=1.10
Focus=-5.468
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.055 -5.427 -3.921
T123=4.5 5.8 6.8
ALT/AZ=65.5 -24.4
fwAVG=3.44
sdW=48.9
fwW=3.23
sdS=36.3
fwS=3.30
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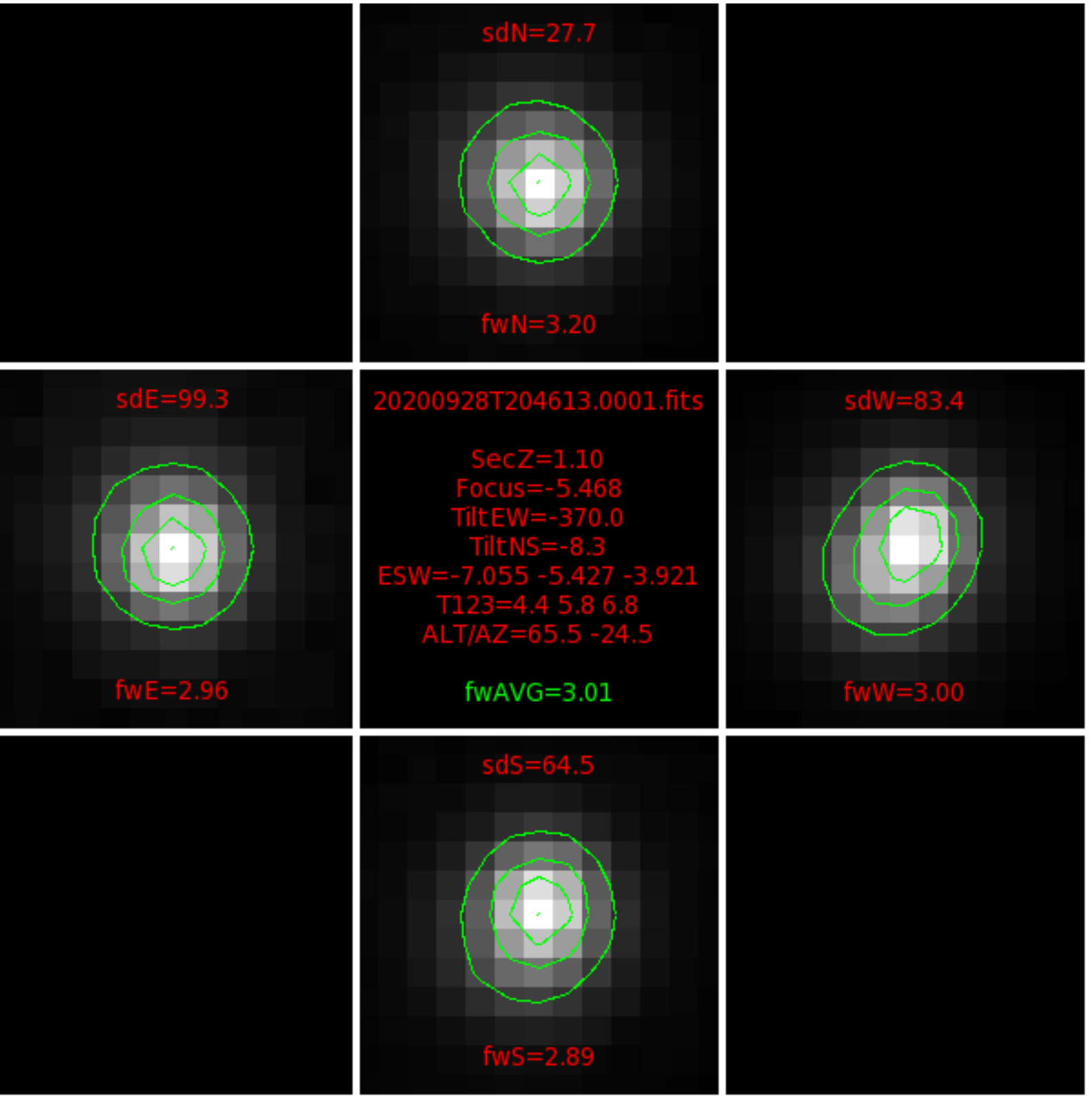
sdN=27.7
fwN=3.20
sdE=99.3
fwE=2.96
20200928T204613.0001.fits
SecZ=1.10
Focus=-5.468
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.055 -5.427 -3.921
T123=4.4 5.8 6.8
ALT/AZ=65.5 -24.5
fwAVG=3.01
sdW=83.4
fwW=3.00
sdS=64.5
fwS=2.89
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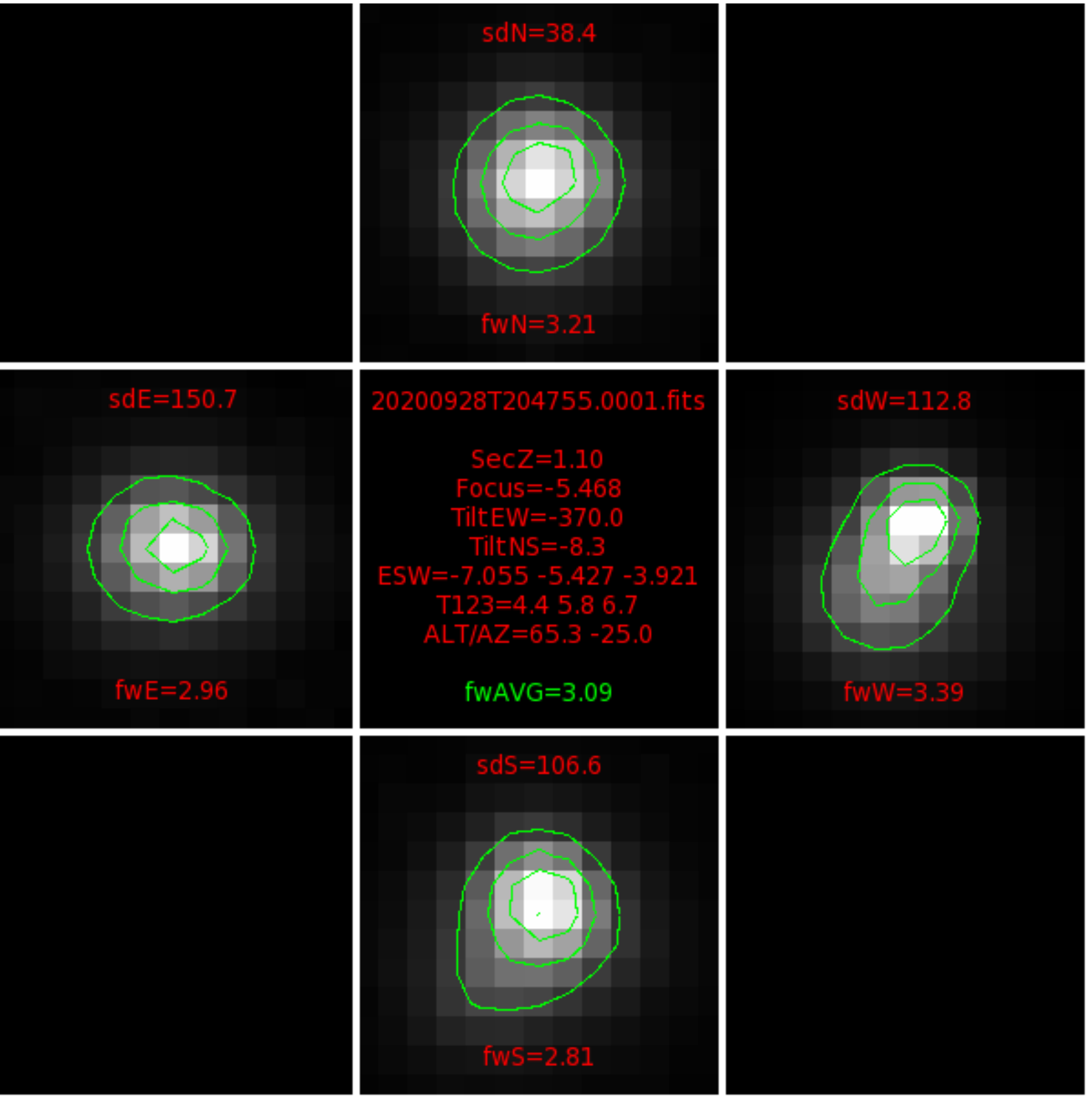
sdN=38.4
fwN=3.21
sdE=150.7
fwE=2.96
20200928T204755.0001.fits
SecZ=1.10
Focus=-5.468
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.055 -5.427 -3.921
T123=4.4 5.8 6.7
ALT/AZ=65.3 -25.0
fwAVG=3.09
sdW=112.8
fwW=3.39
sdS=106.6
fwS=2.81
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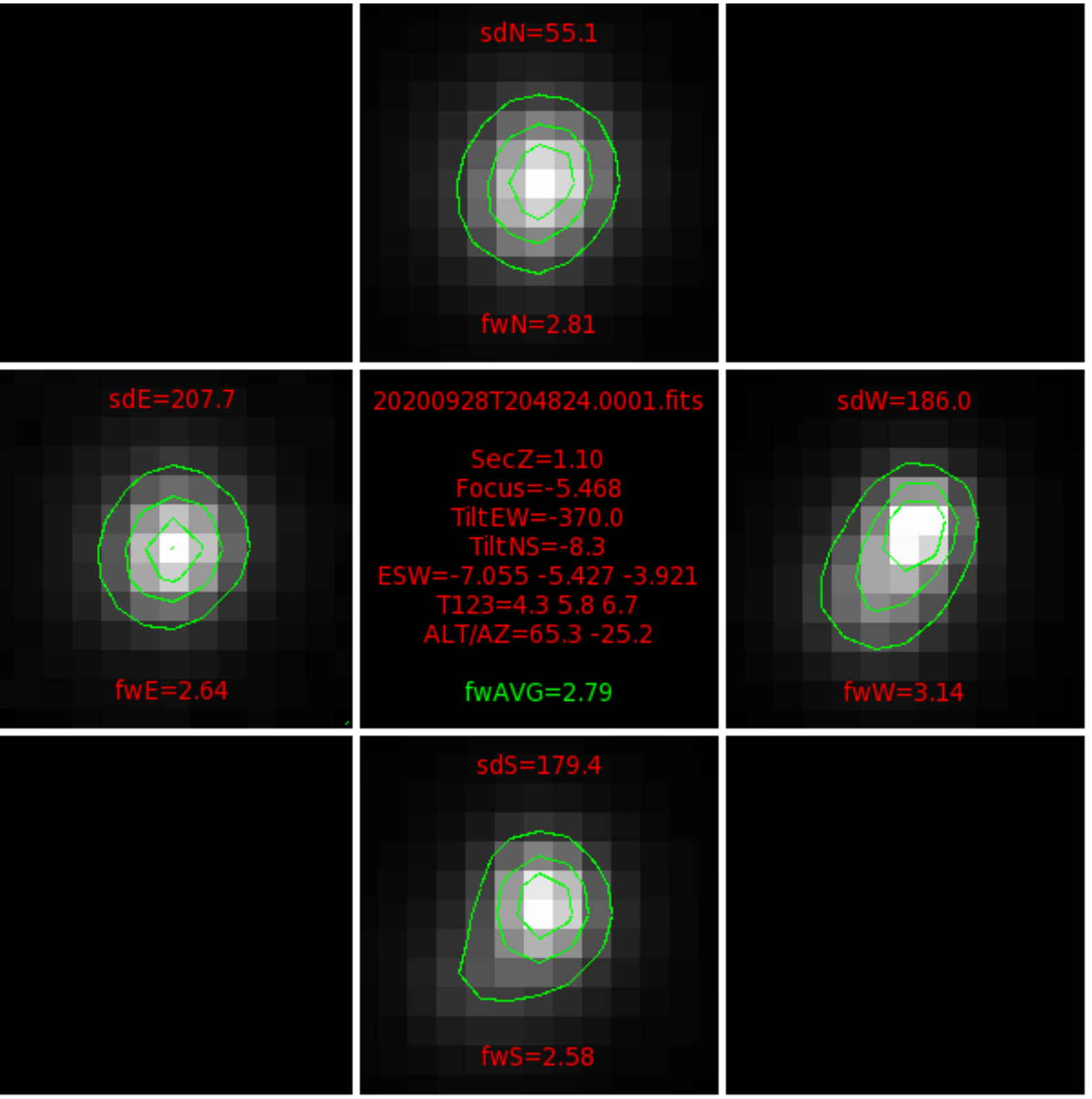
sdN=55.1
fwN=2.81
sdE=207.7
fwE=2.64
20200928T204824.0001.fits
SecZ=1.10
Focus=-5.468
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.055 -5.427 -3.921
T123=4.3 5.8 6.7
ALT/AZ=65.3 -25.2
fwAVG=2.79
sdW=186.0
fwW=3.14
sdS=179.4
fwS=2.58
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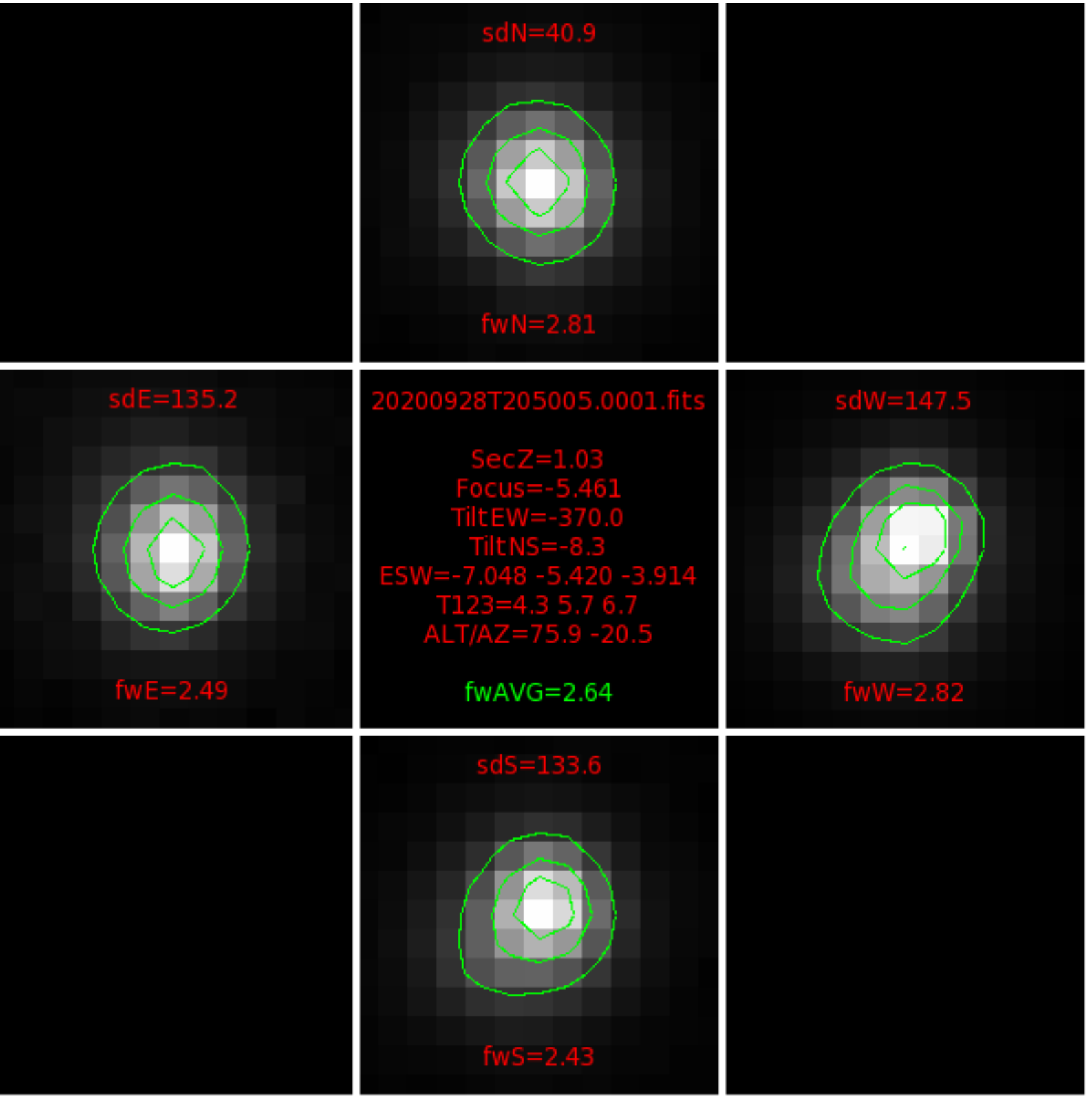
sdN=40.9
fwN=2.81
sdE=135.2
fwE=2.49
20200928T205005.0001.fits
SecZ=1.03
Focus=-5.461
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.048 -5.420 -3.914
T123=4.3 5.7 6.7
ALT/AZ=75.9 -20.5
fwAVG=2.64
sdW=147.5
fwW=2.82
sdS=133.6
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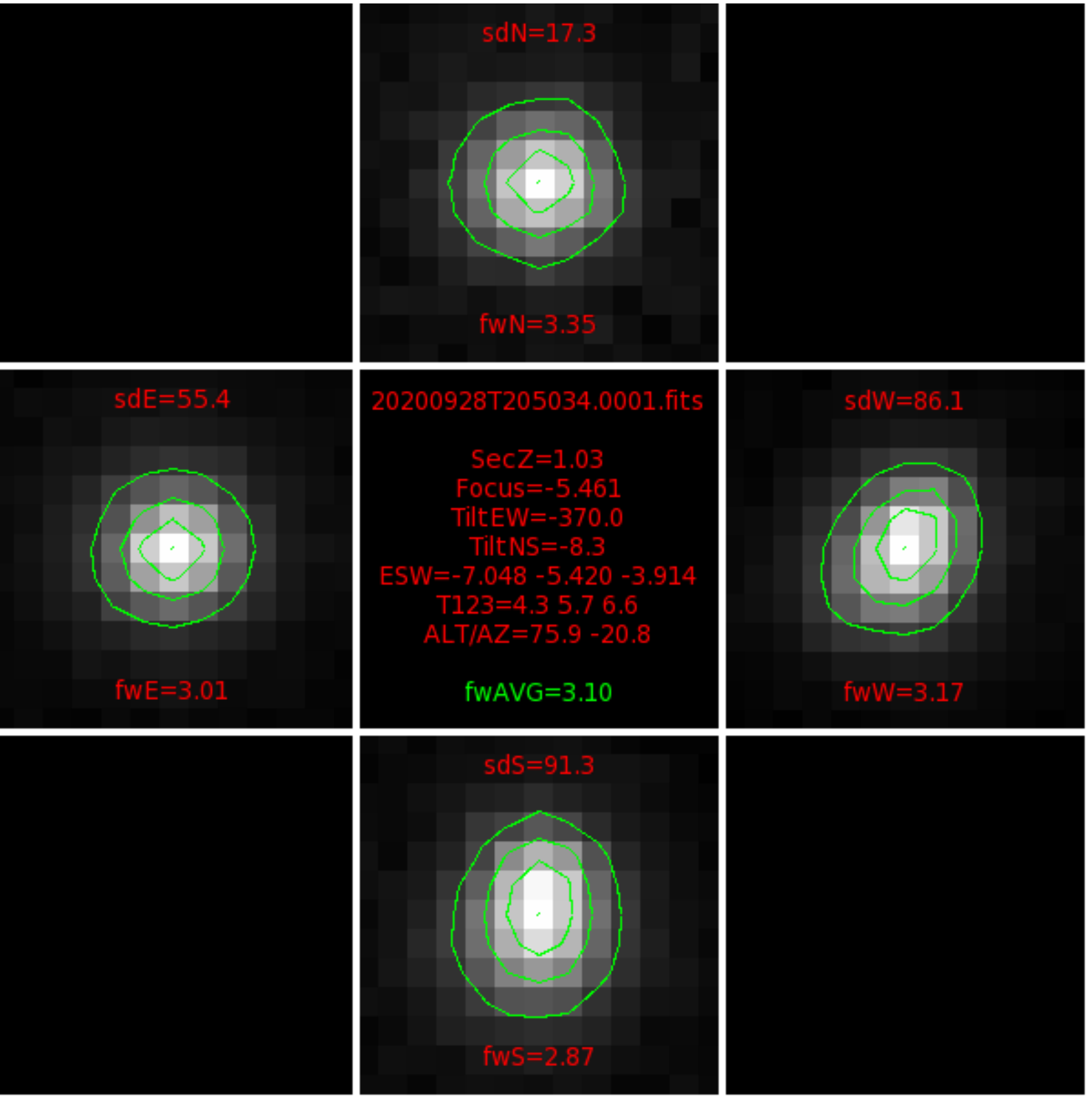
sdN=17.3
fwN=3.35
sdE=55.4
fwE=3.01
20200928T205034.0001.fits
SecZ=1.03
Focus=-5.461
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.048 -5.420 -3.914
T123=4.3 5.7 6.6
ALT/AZ=75.9 -20.8
fwAVG=3.10
sdW=86.1
fwW=3.17
sdS=91.3
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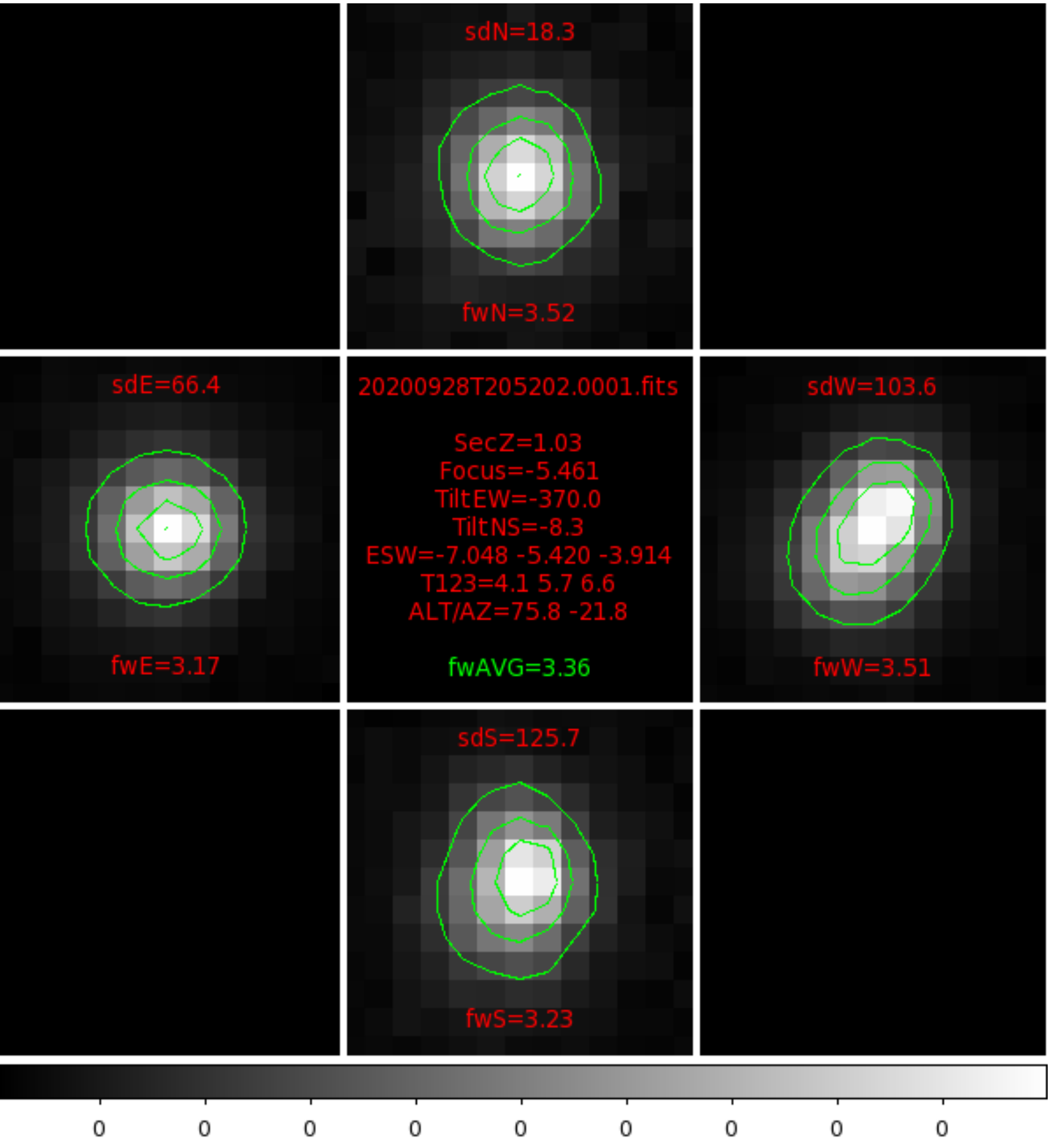
sdN=18.3
fwN=3.52
sdE=66.4
fwE=3.17
20200928T205202.0001.fits
SecZ=1.03
Focus=-5.461
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.048 -5.420 -3.914
T123=4.1 5.7 6.6
ALT/AZ=75.8 -21.8
fwAVG=3.36
sdW=103.6
fwW=3.51
sdS=125.7
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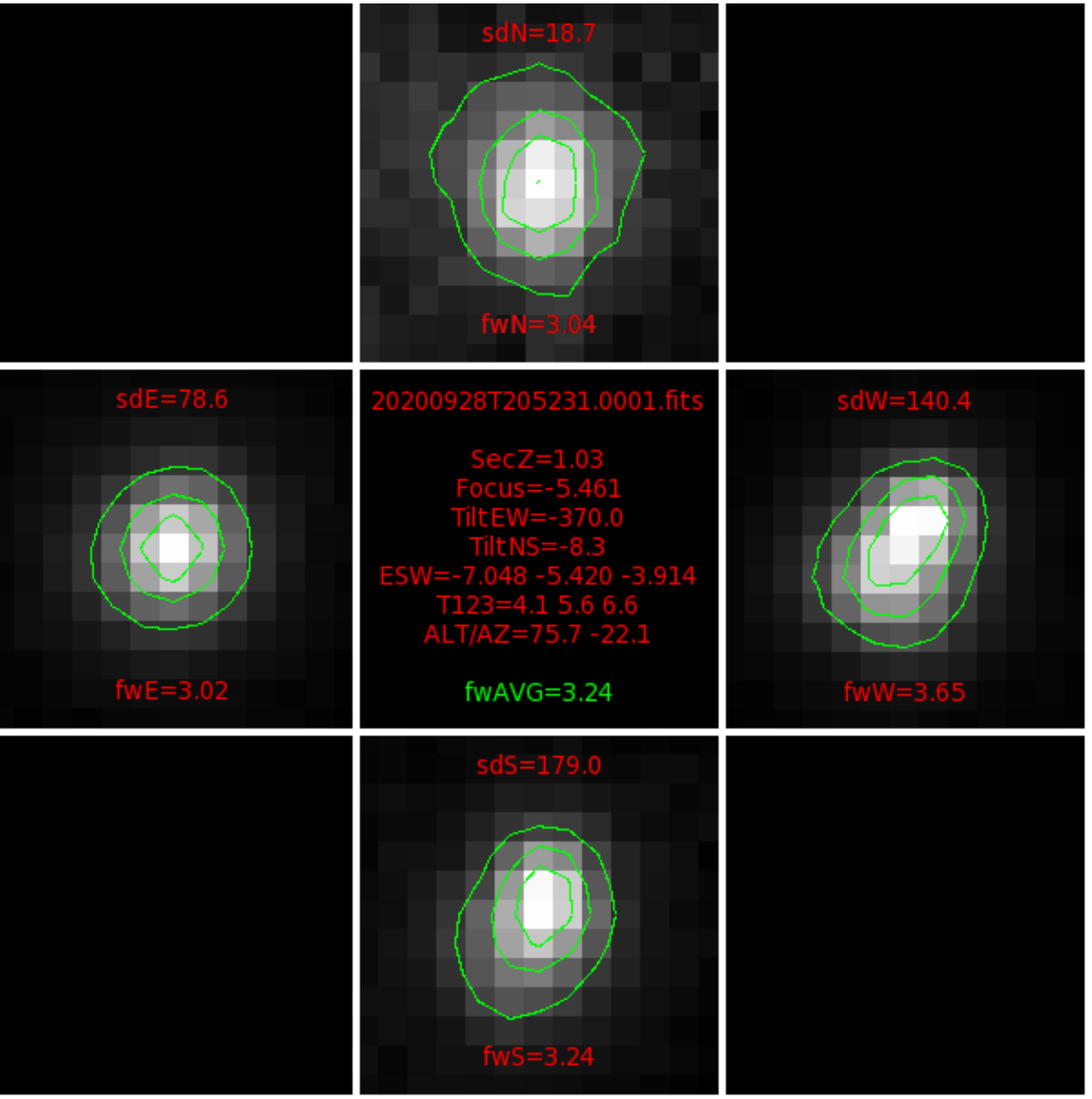
sdN=18.7
fwN=3.04
sdE=78.6
fwE=3.02
20200928T205231.0001.fits
SecZ=1.03
Focus=-5.461
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.048 -5.420 -3.914
T123=4.1 5.6 6.6
ALT/AZ=75.7 -22.1
fwAVG=3.24
sdW=140.4
fwW=3.65
sdS=179.0
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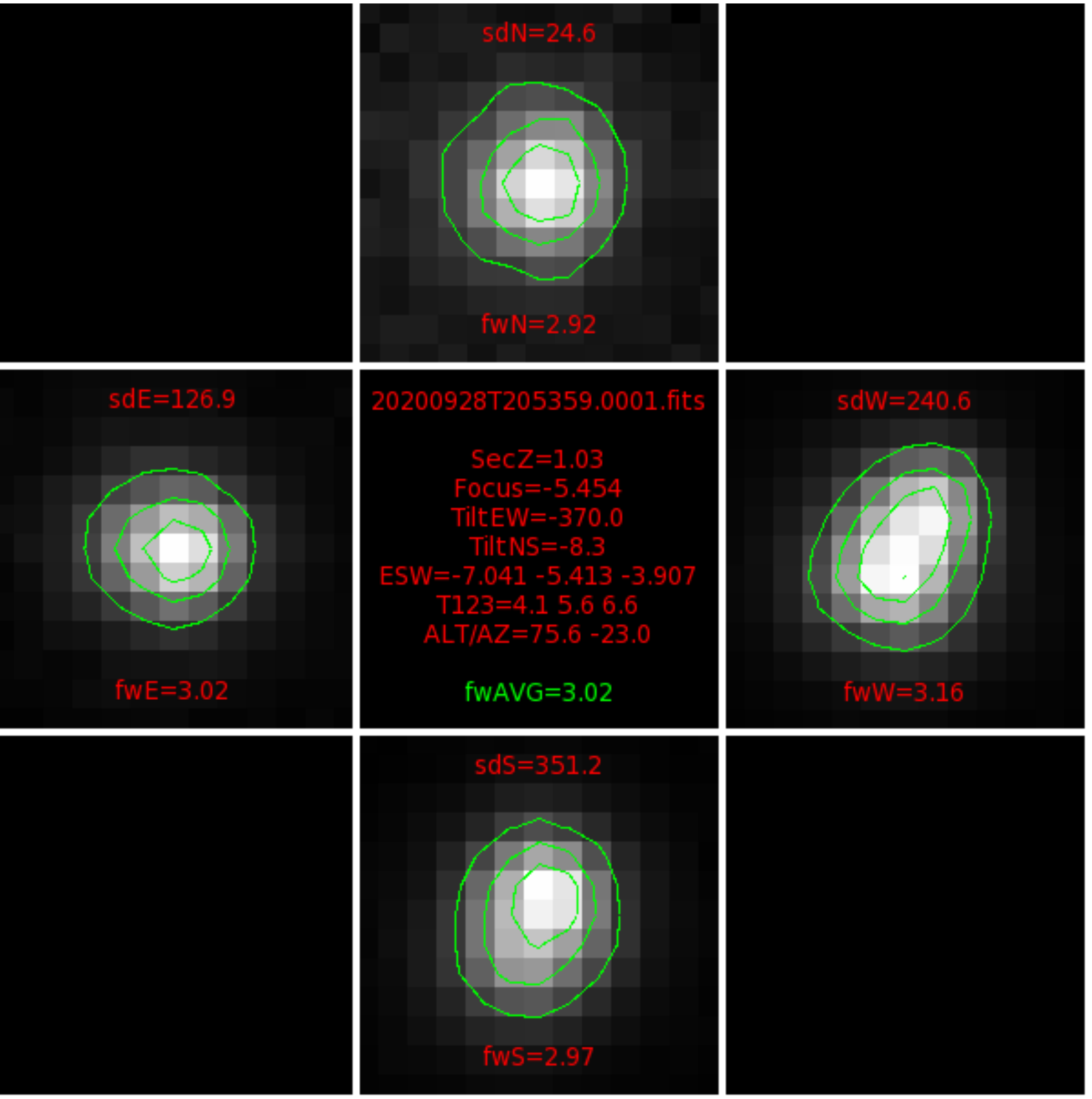
sdN=24.6
fwN=2.92
sdE=126.9
fwE=3.02
20200928T205359.0001.fits
SecZ=1.03
Focus=-5.454
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.041 -5.413 -3.907
T123=4.1 5.6 6.6
ALT/AZ=75.6 -23.0
fwAVG=3.02
sdW=240.6
fwW=3.16
sdS=351.2
fwS=2.97
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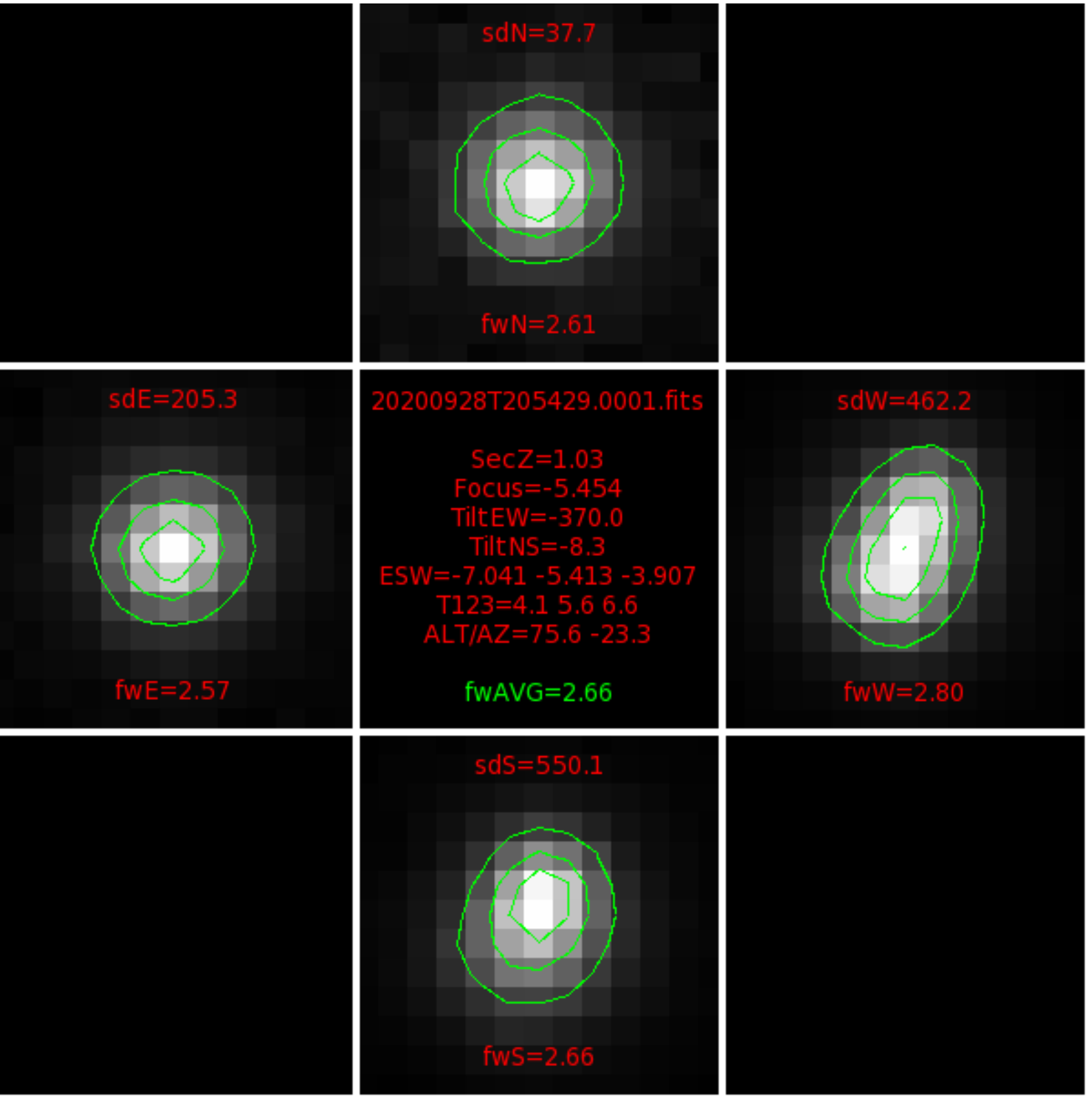
sdN=37.7
fwN=2.61
sdE=205.3
fwE=2.57
20200928T205429.0001.fits
SecZ=1.03
Focus=-5.454
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.041 -5.413 -3.907
T123=4.1 5.6 6.6
ALT/AZ=75.6 -23.3
fwAVG=2.66
sdW=462.2
fwW=2.80
sdS=550.1
fwS=2.66
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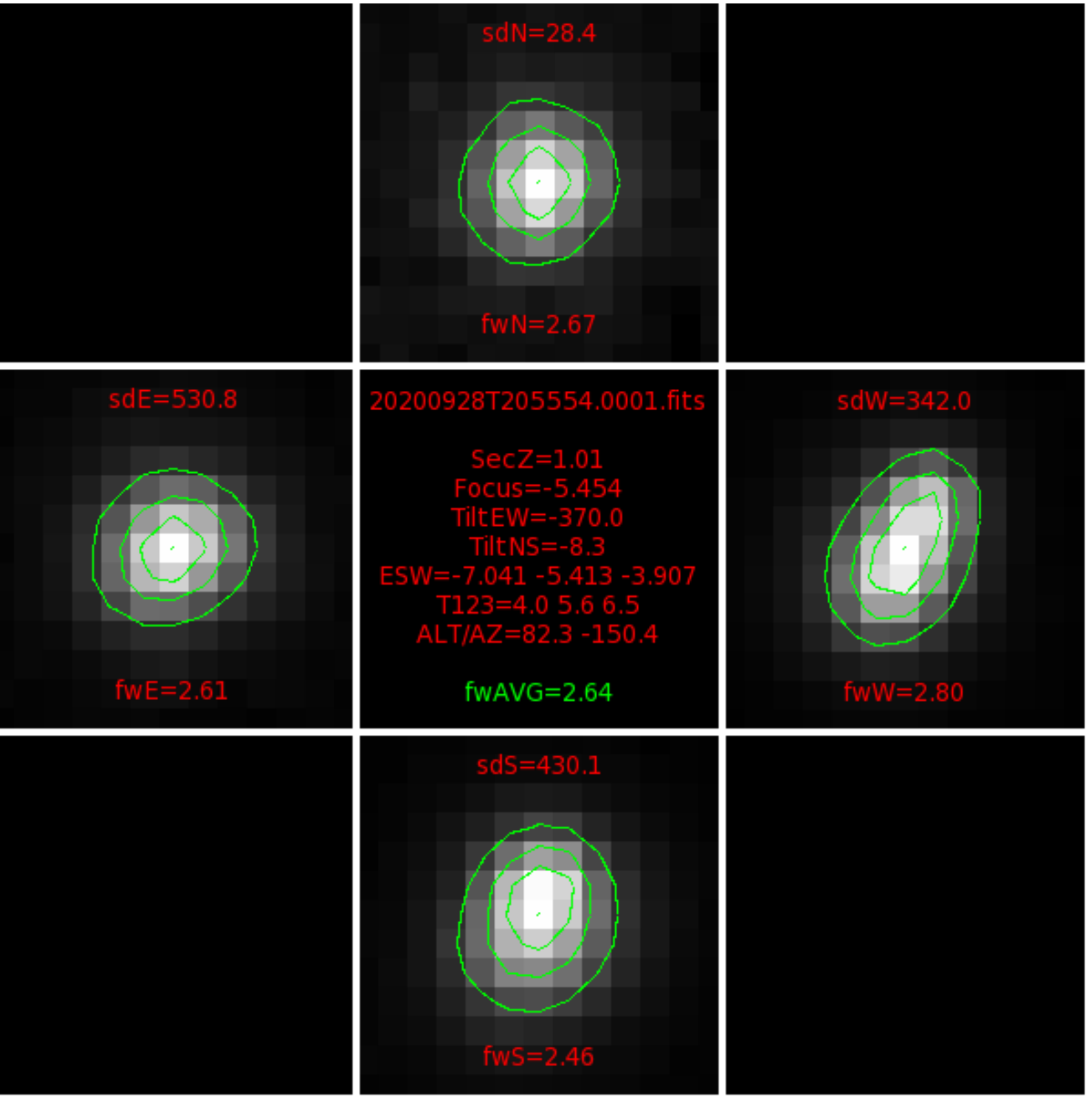
sdN=28.4
fwN=2.67
sdE=530.8
fwE=2.61
20200928T205554.0001.fits
SecZ=1.01
Focus=-5.454
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.041 -5.413 -3.907
T123=4.0 5.6 6.5
ALT/AZ=82.3 -150.4
fwAVG=2.64
sdW=342.0
fwW=2.80
sdS=430.1
fwS=2.46
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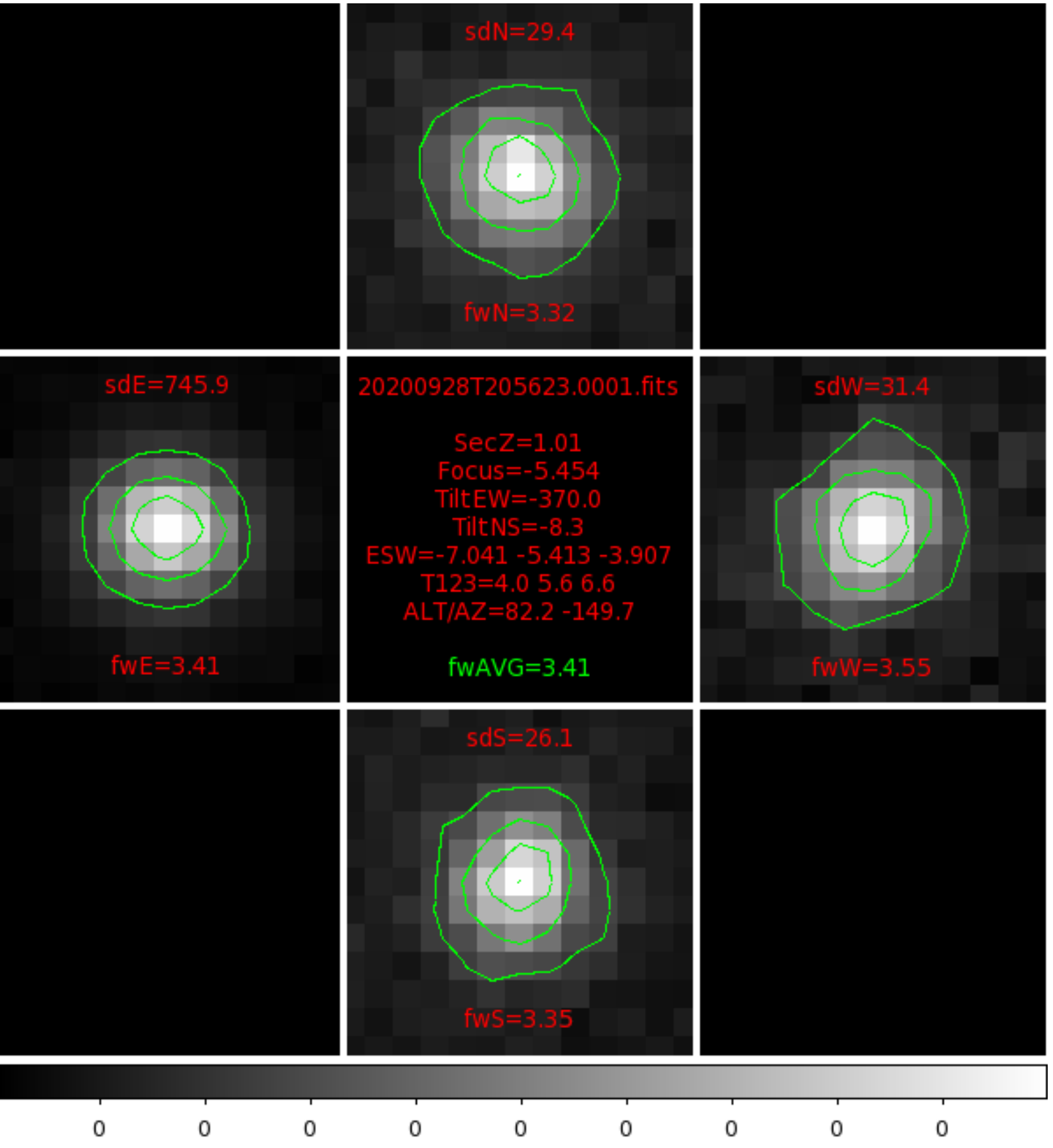
sdN=29.4
fwN=3.32
sdE=745.9
fwE=3.41
20200928T205623.0001.fits
SecZ=1.01
Focus=-5.454
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.041 -5.413 -3.907
T123=4.0 5.6 6.6
ALT/AZ=82.2 -149.7
fwAVG=3.41
sdW=31.4
fwW=3.55
sdS=26.1
fwS=3.35
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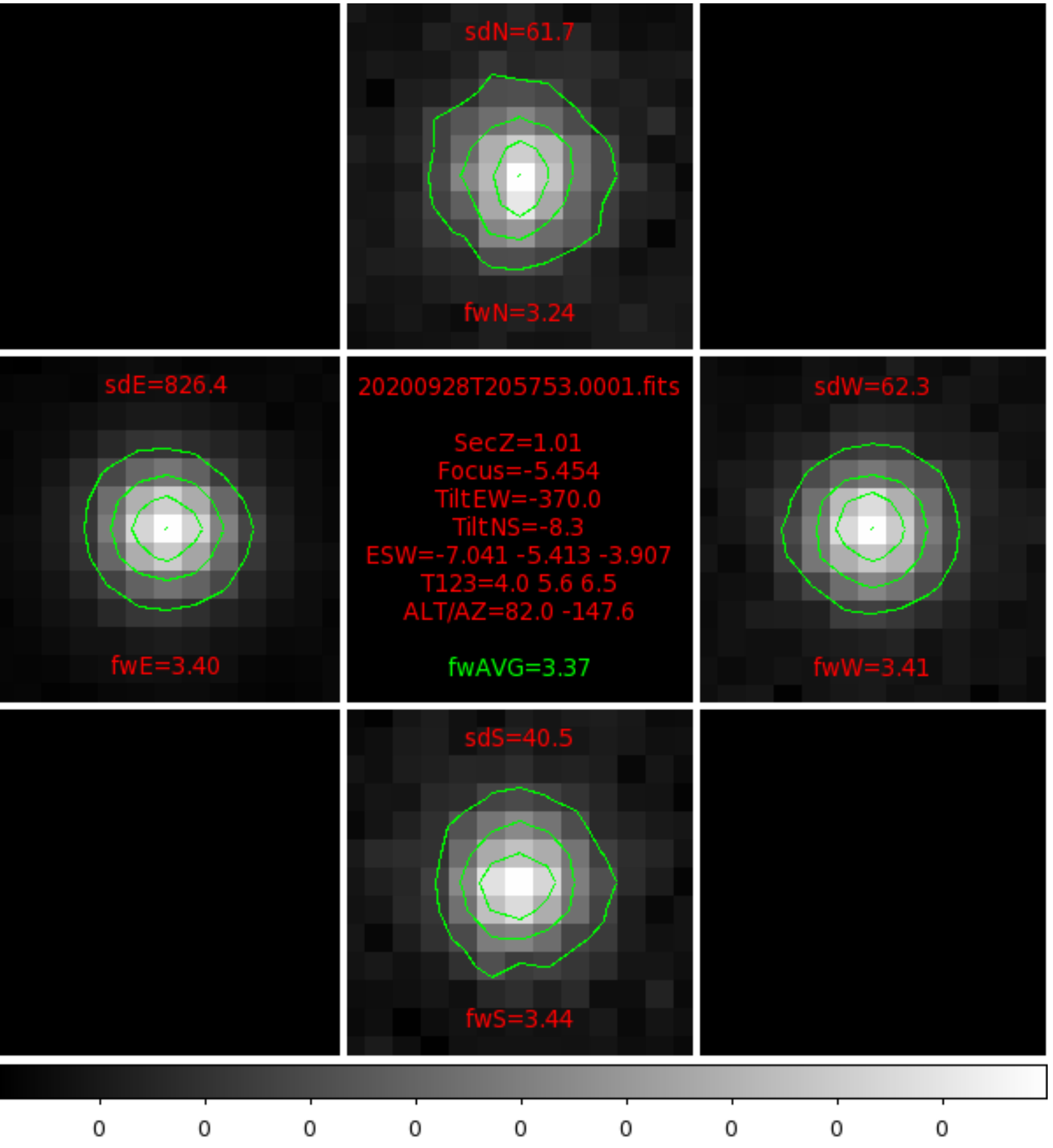
sdN=61.7
fwN=3.24
sdE=826.4
fwE=3.40
20200928T205753.0001.fits
SecZ=1.01
Focus=-5.454
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.041 -5.413 -3.907
T123=4.0 5.6 6.5
ALT/AZ=82.0 -147.6
fwAVG=3.37
sdW=62.3
fwW=3.41
sdS=40.5
fwS=3.44
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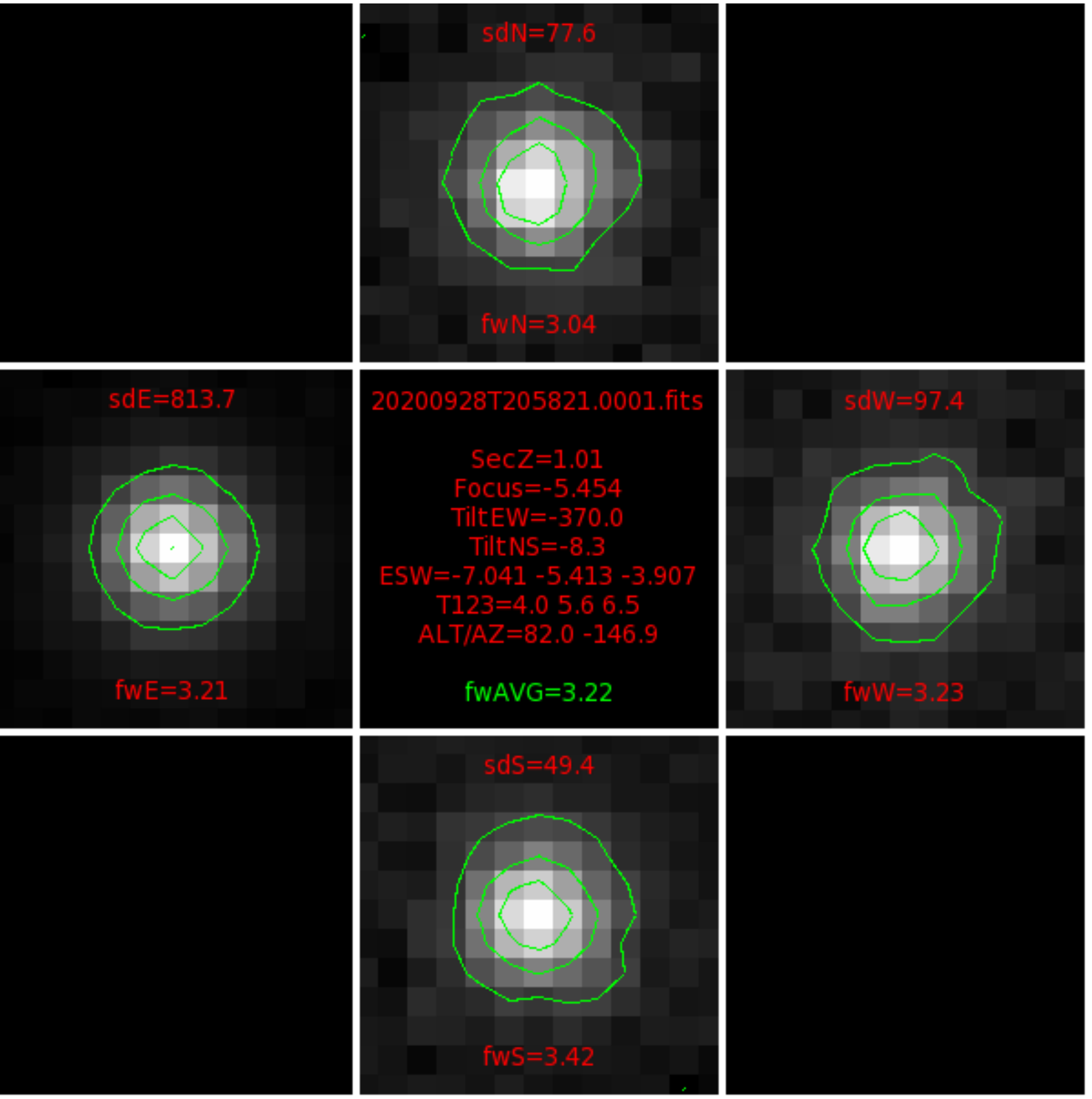
sdN=77.6
fwN=3.04
sdE=813.7
fwE=3.21
20200928T205821.0001.fits
SecZ=1.01
Focus=-5.454
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.041 -5.413 -3.907
T123=4.0 5.6 6.5
ALT/AZ=82.0 -146.9
fwAVG=3.22
sdW=97.4
fwW=3.23
sdS=49.4
fwS=3.42
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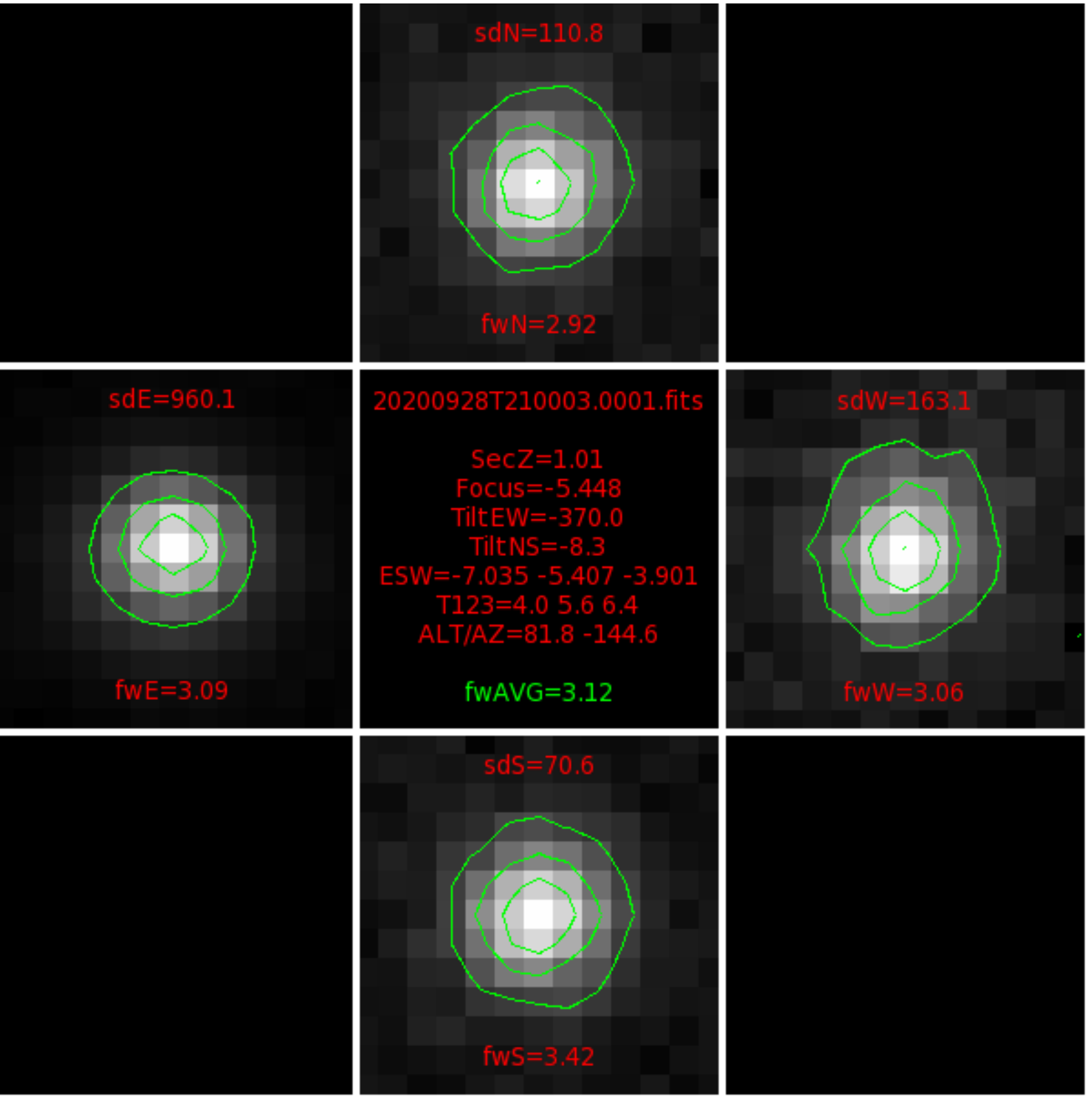
sdN=110.8
fwN=2.92
sdE=960.1
fwE=3.09
20200928T210003.0001.fits
SecZ=1.01
Focus=-5.448
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.035 -5.407 -3.901
T123=4.0 5.6 6.4
ALT/AZ=81.8 -144.6
fwAVG=3.12
sdW=163.1
fwW=3.06
sdS=70.6
fwS=3.42
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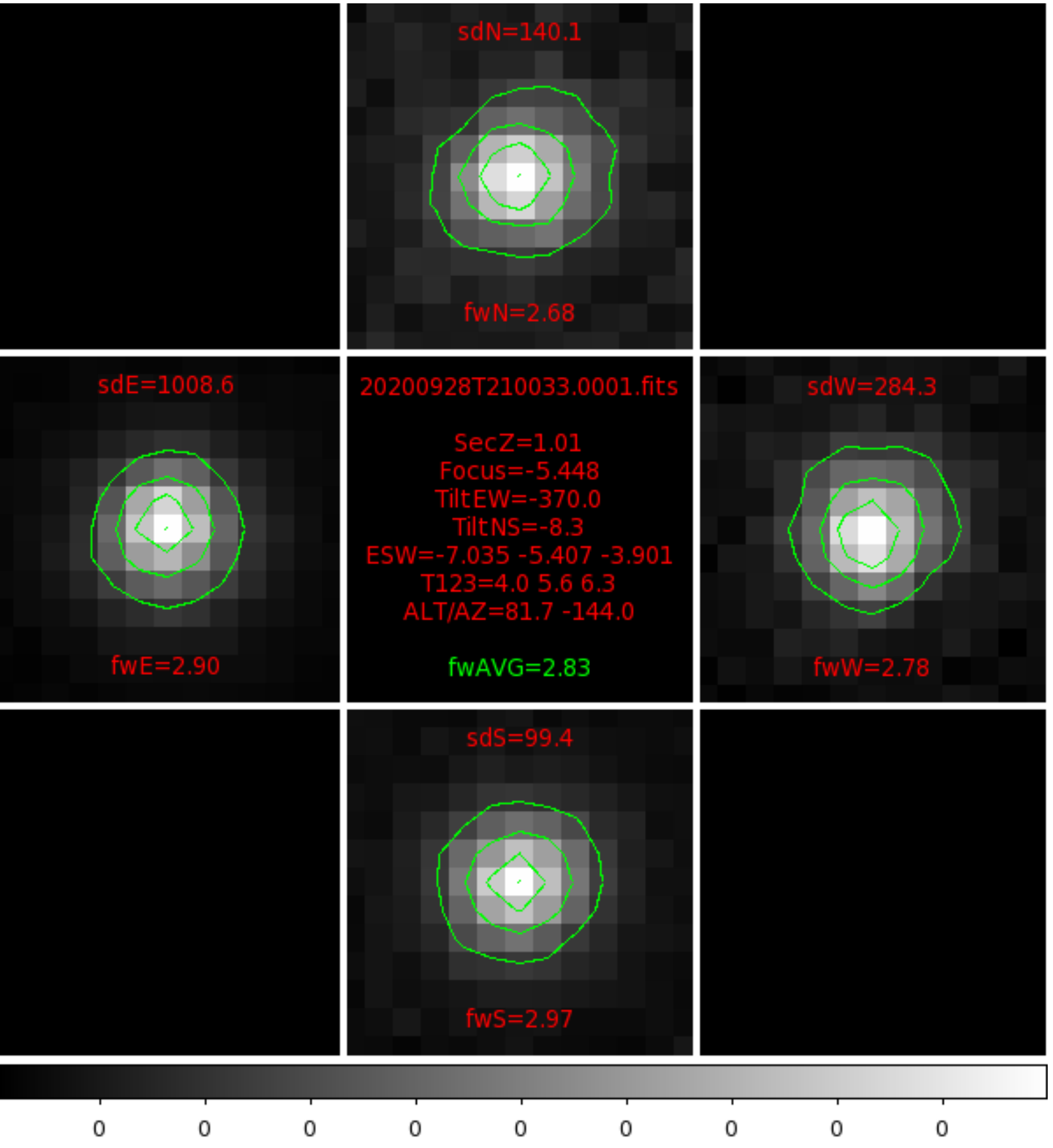
sdN=140.1
fwN=2.68
sdE=1008.6
fwE=2.90
20200928T210033.0001.fits
SecZ=1.01
Focus=-5.448
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.035 -5.407 -3.901
T123=4.0 5.6 6.3
ALT/AZ=81.7 -144.0
fwAVG=2.83
sdW=284.3
fwW=2.78
sdS=99.4
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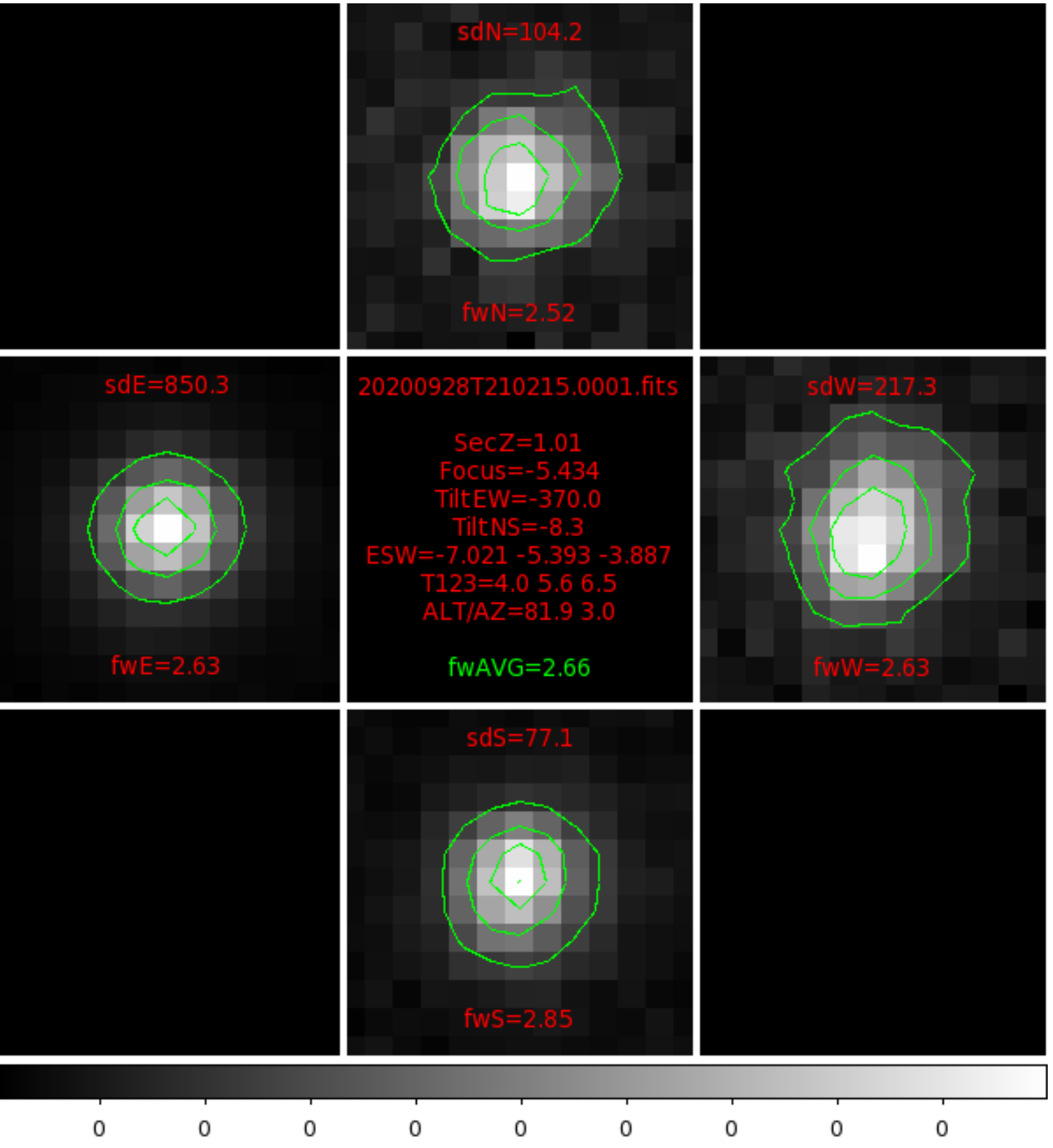
sdN=104.2
fwN=2.52
sdE=850.3
fwE=2.63
20200928T210215.0001.fits
SecZ=1.01
Focus=-5.434
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.021 -5.393 -3.887
T123=4.0 5.6 6.5
ALT/AZ=81.9 3.0
fwAVG=2.66
sdW=217.3
fwW=2.63
sdS=77.1
fwS=2.85
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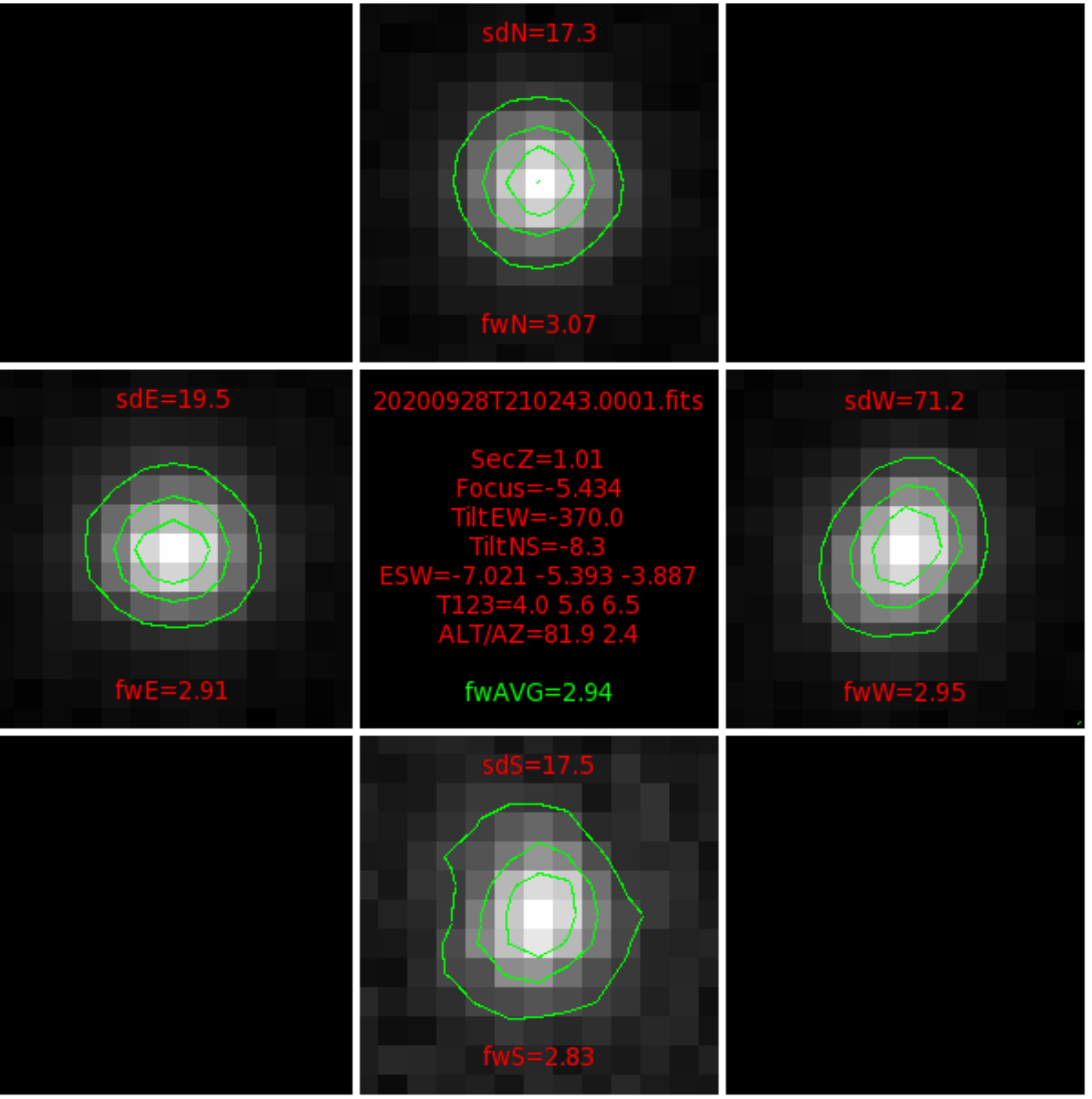
sdN=17.3
fwN=3.07
sdE=19.5
fwE=2.91
20200928T210243.0001.fits
SecZ=1.01
Focus=-5.434
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.021 -5.393 -3.887
T123=4.0 5.6 6.5
ALT/AZ=81.9 2.4
fwAVG=2.94
sdW=71.2
fwW=2.95
sdS=17.5
fwS=2.83
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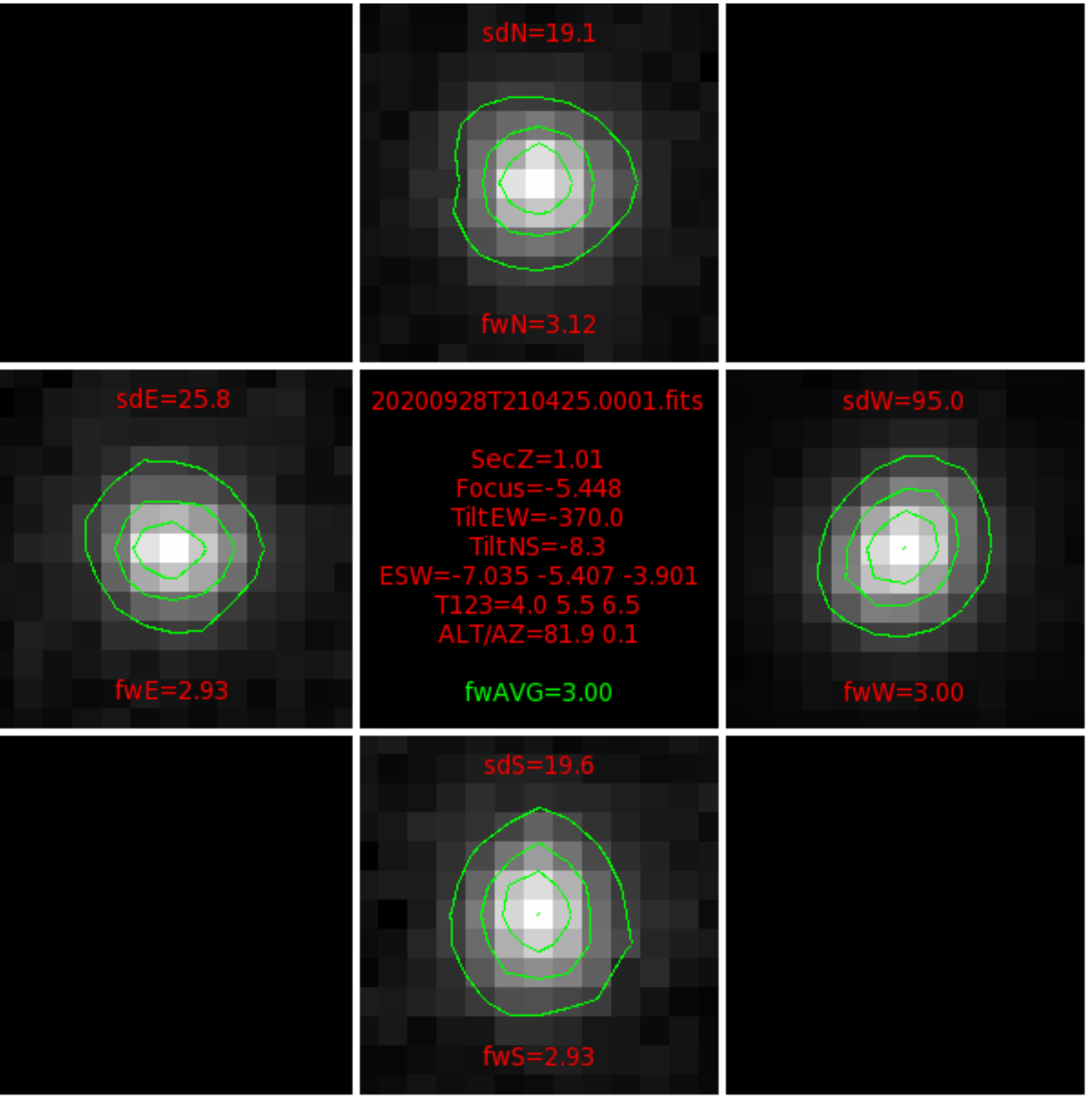
sdN=19.1
fwN=3.12
sdE=25.8
fwE=2.93
20200928T210425.0001.fits
SecZ=1.01
Focus=-5.448
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.035 -5.407 -3.901
T123=4.0 5.5 6.5
ALT/AZ=81.9 0.1
fwAVG=3.00
sdW=95.0
fwW=3.00
sdS=19.6
fwS=2.93
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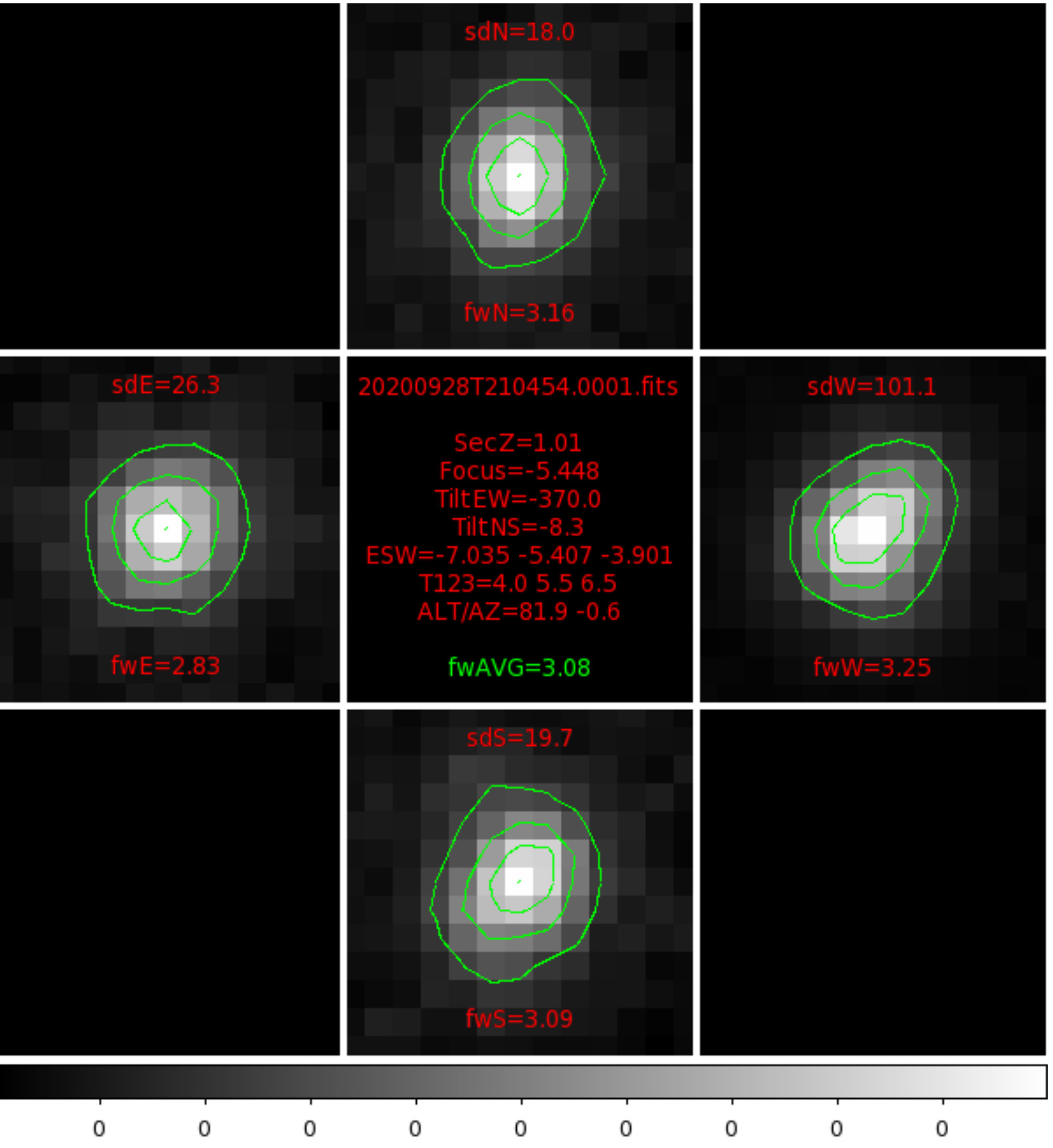
sdN=18.0
fwN=3.16
sdE=26.3
fwE=2.83
20200928T210454.0001.fits
SecZ=1.01
Focus=-5.448
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.035 -5.407 -3.901
T123=4.0 5.5 6.5
ALT/AZ=81.9 -0.6
fwAVG=3.08
sdW=101.1
fwW=3.25
sdS=19.7
fwS=3.09
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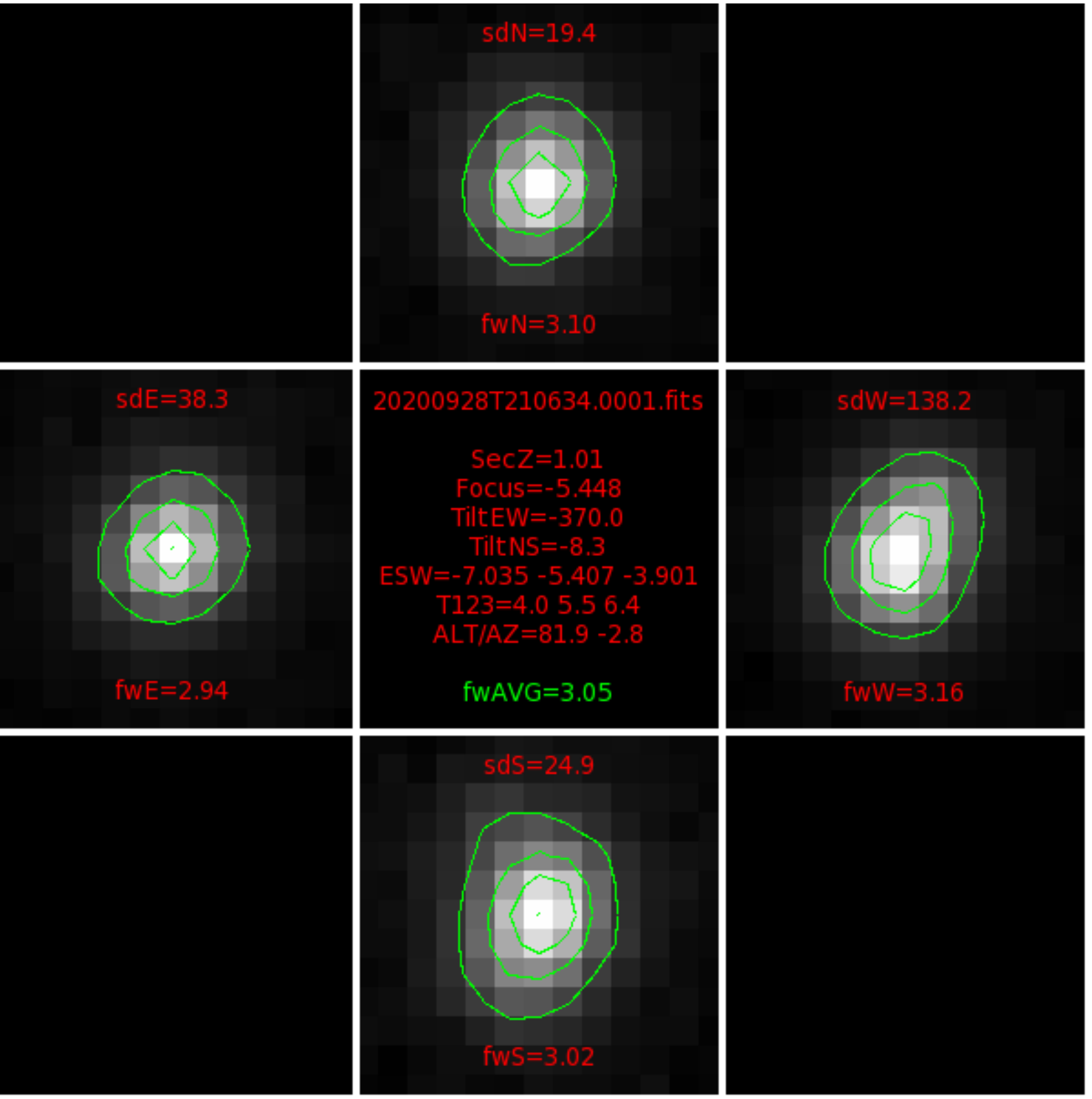
sdN=19.4
fwN=3.10
sdE=38.3
fwE=2.94
20200928T210634.0001.fits
SecZ=1.01
Focus=-5.448
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.035 -5.407 -3.901
T123=4.0 5.5 6.4
ALT/AZ=81.9 -2.8
fwAVG=3.05
sdW=138.2
fwW=3.16
sdS=24.9
fwS=3.02
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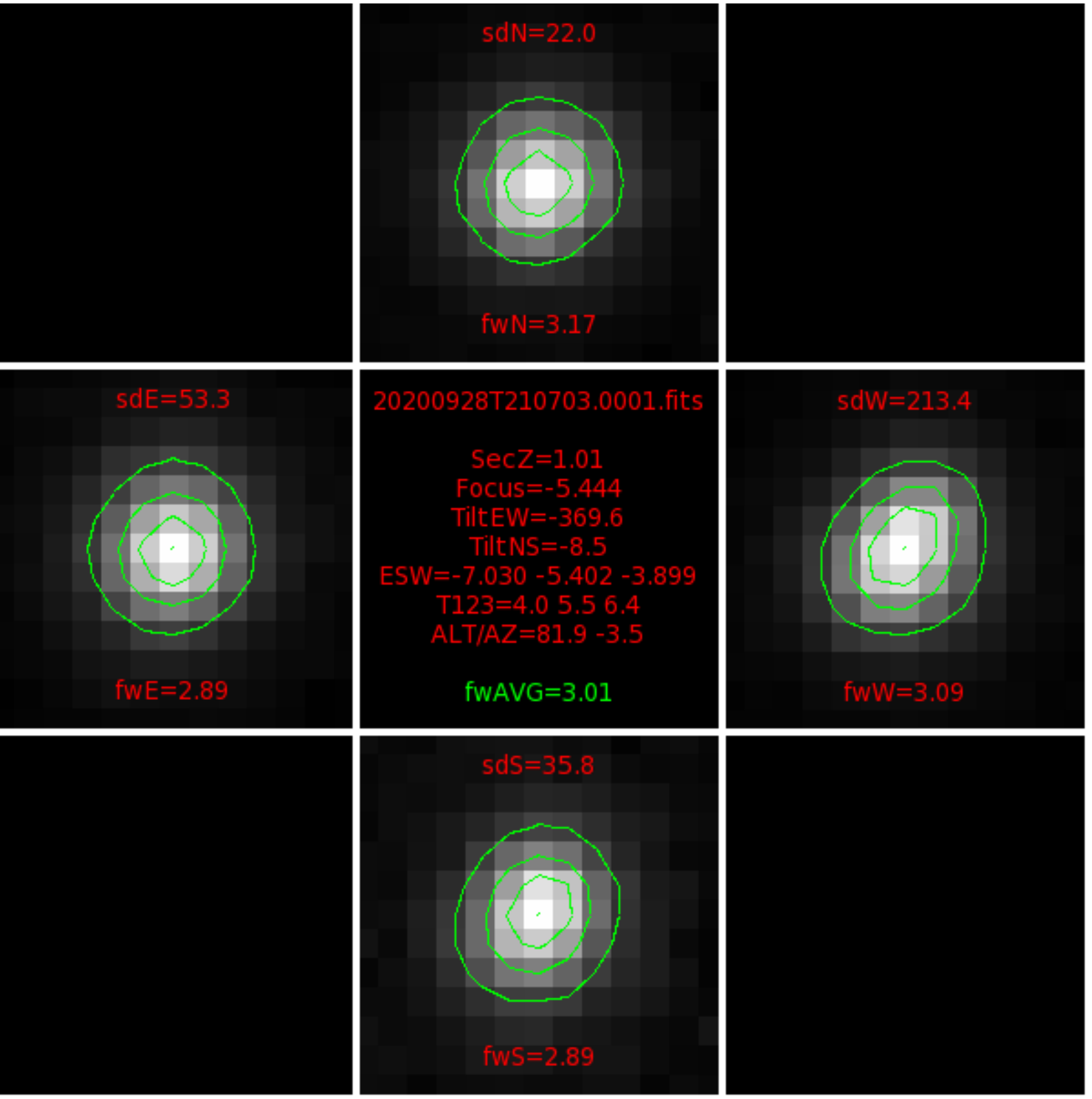
sdN=22.0
fwN=3.17
sdE=53.3
fwE=2.89
20200928T210703.0001.fits
SecZ=1.01
Focus=-5.444
TiltEW=-369.6
TiltNS=-8.5
ESW=-7.030 -5.402 -3.899
T123=4.0 5.5 6.4
ALT/AZ=81.9 -3.5
fwAVG=3.01
sdW=213.4
fwW=3.09
sdS=35.8
fwS=2.89
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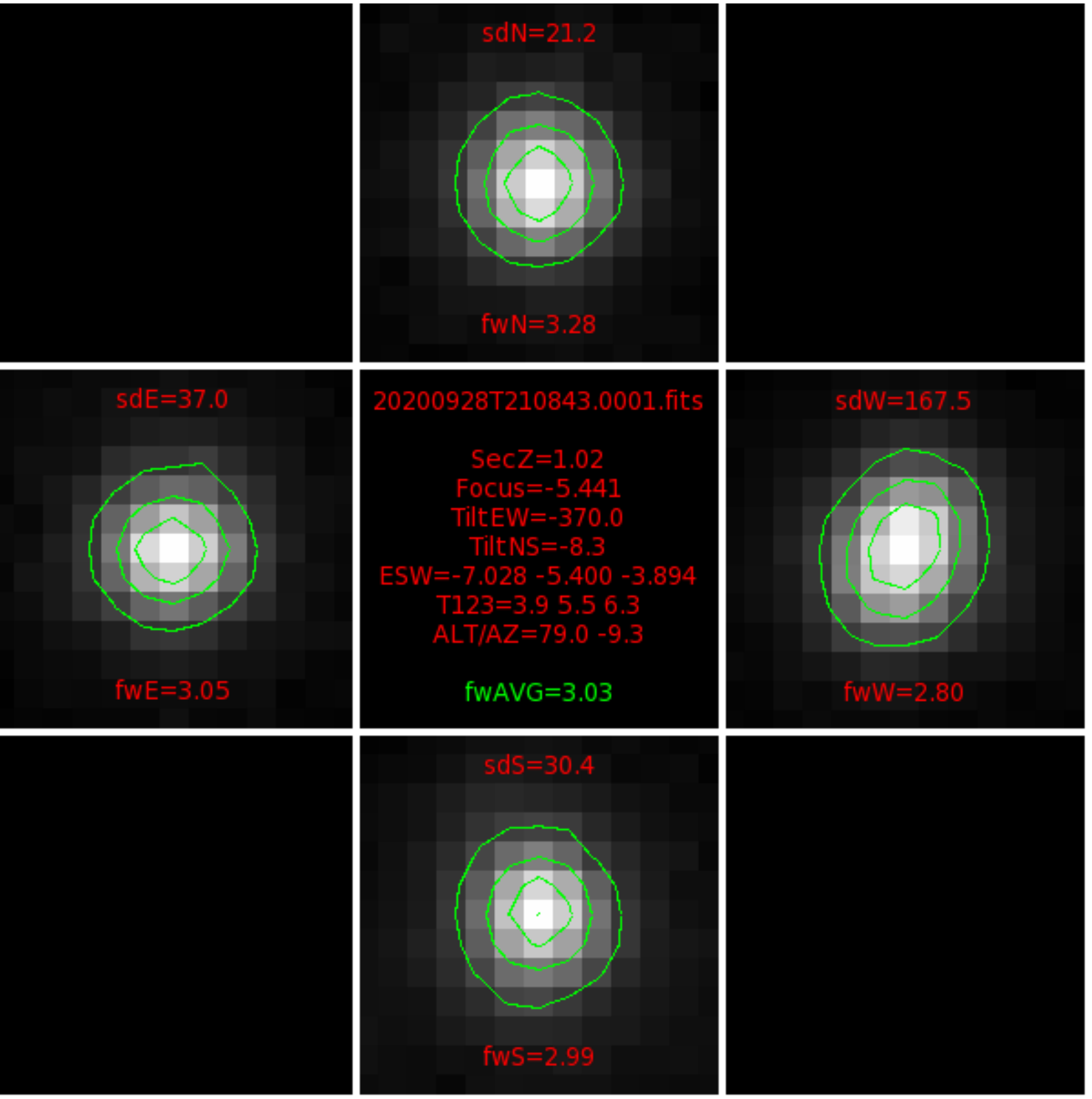
sdN=21.2
fwN=3.28
sdE=37.0
fwE=3.05
20200928T210843.0001.fits
SecZ=1.02
Focus=-5.441
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.028 -5.400 -3.894
T123=3.9 5.5 6.3
ALT/AZ=79.0 -9.3
fwAVG=3.03
sdW=167.5
fwW=2.80
sdS=30.4
fwS=2.99
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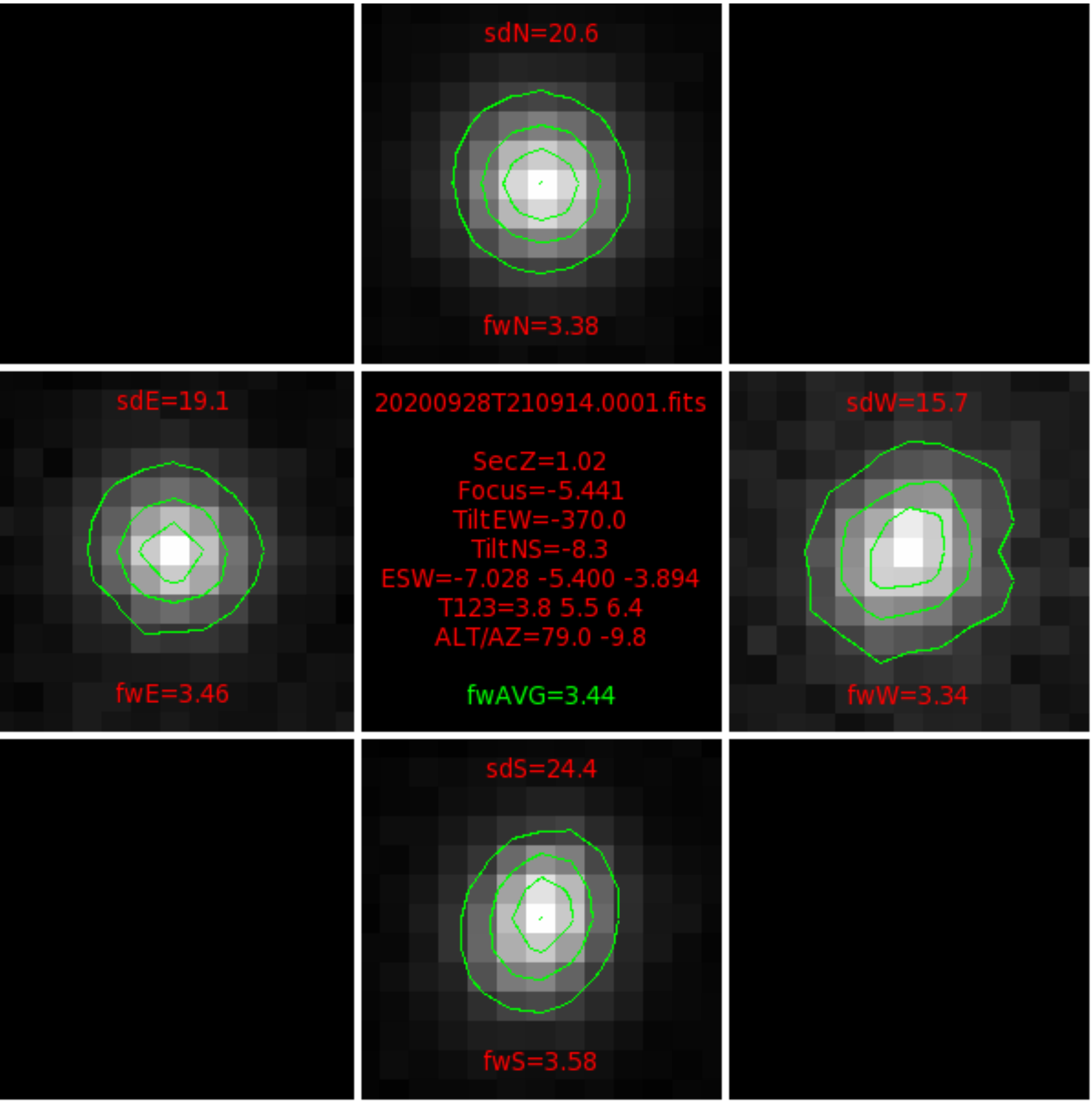
sdN=20.6
fwN=3.38
sdE=19.1
fwE=3.46
20200928T210914.0001.fits
SecZ=1.02
Focus=-5.441
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.028 -5.400 -3.894
T123=3.8 5.5 6.4
ALT/AZ=79.0 -9.8
fwAVG=3.44
sdW=15.7
fwW=3.34
sdS=24.4
fwS=3.58
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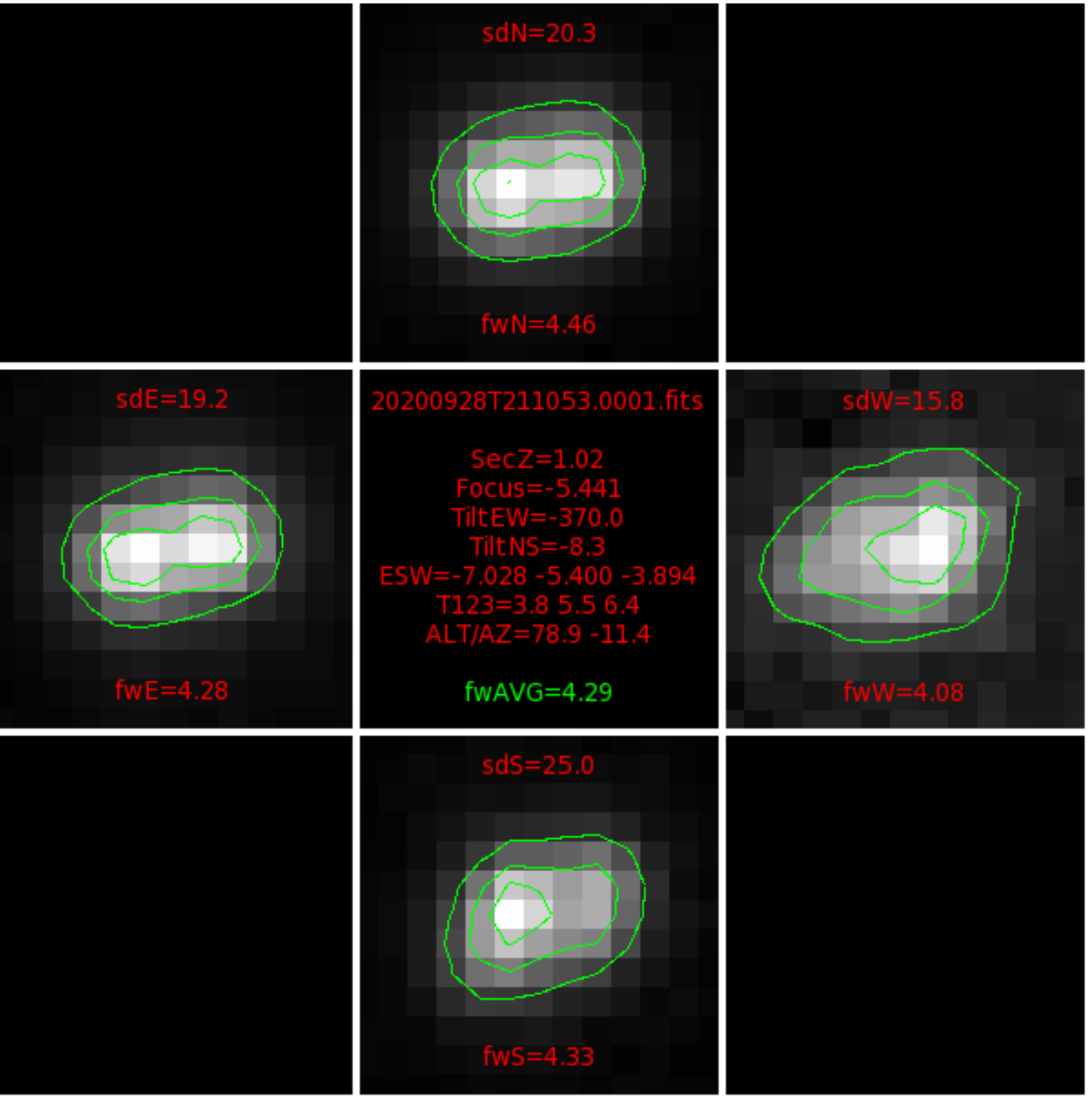
sdN=20.3
fwN=4.46
sdE=19.2
fwE=4.28
20200928T211053.0001.fits
SecZ=1.02
Focus=-5.441
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.028 -5.400 -3.894
T123=3.8 5.5 6.4
ALT/AZ=78.9 -11.4
fwAVG=4.29
sdW=15.8
fwW=4.08
sdS=25.0
fwS=4.33
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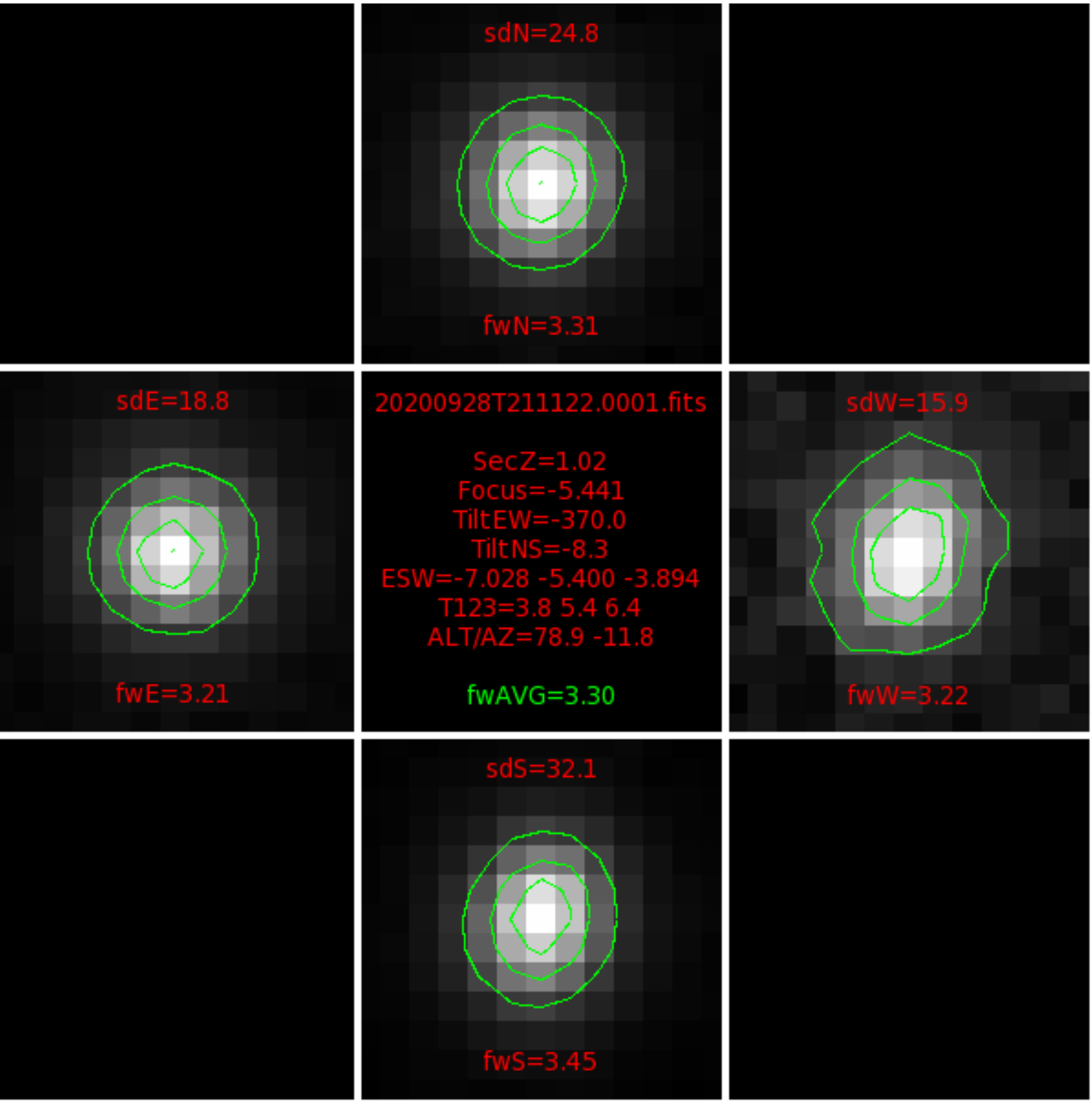
sdN=24.8
fwN=3.31
sdE=18.8
fwE=3.21
20200928T211122.0001.fits
SecZ=1.02
Focus=-5.441
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.028 -5.400 -3.894
T123=3.8 5.4 6.4
ALT/AZ=78.9 -11.8
fwAVG=3.30
sdW=15.9
fwW=3.22
sdS=32.1
fwS=3.45
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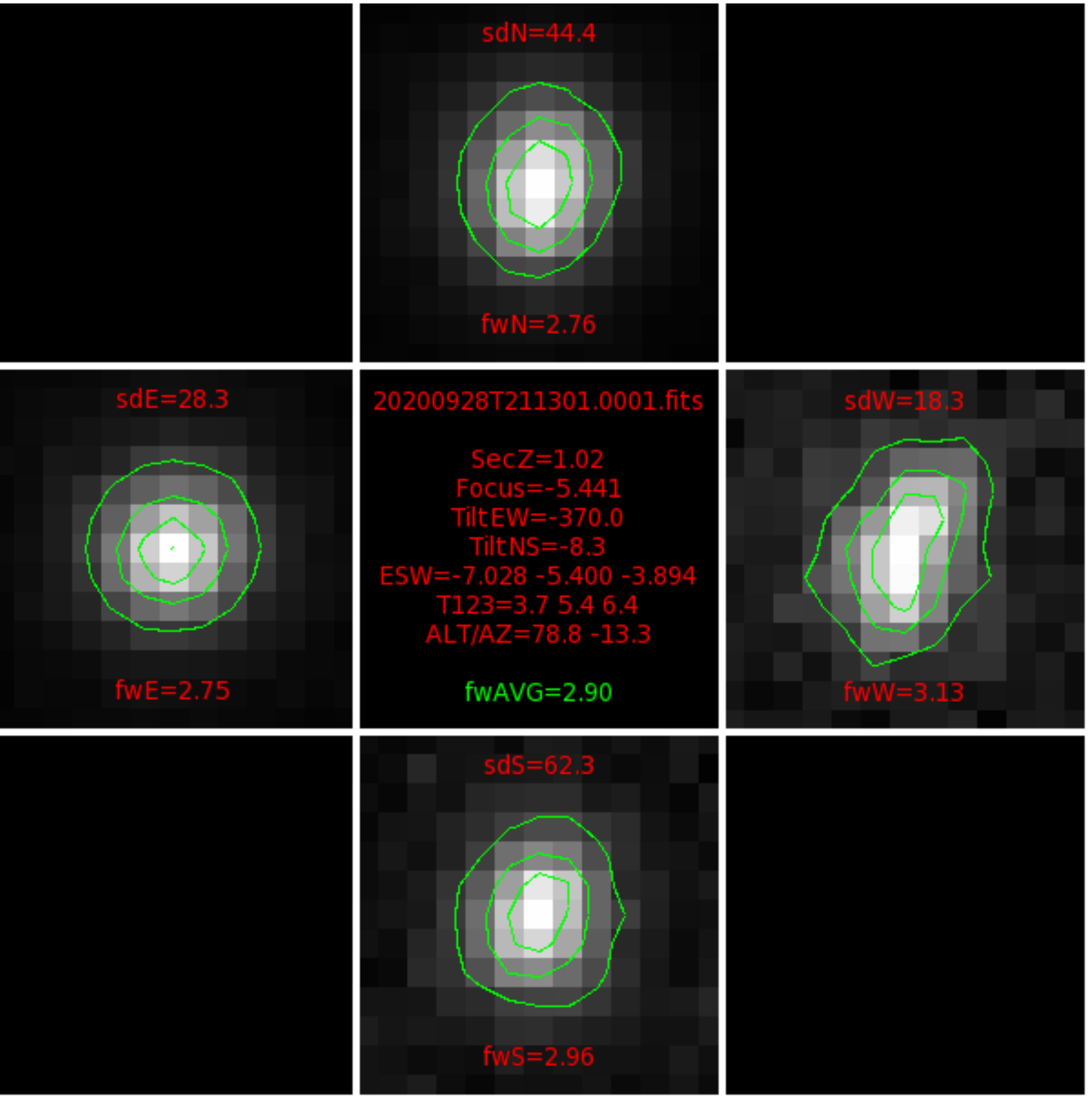
sdN=44.4
fwN=2.76
sdE=28.3
fwE=2.75
20200928T211301.0001.fits
SecZ=1.02
Focus=-5.441
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.028 -5.400 -3.894
T123=3.7 5.4 6.4
ALT/AZ=78.8 -13.3
fwAVG=2.90
sdW=18.3
fwW=3.13
sdS=62.3
fwS=2.96
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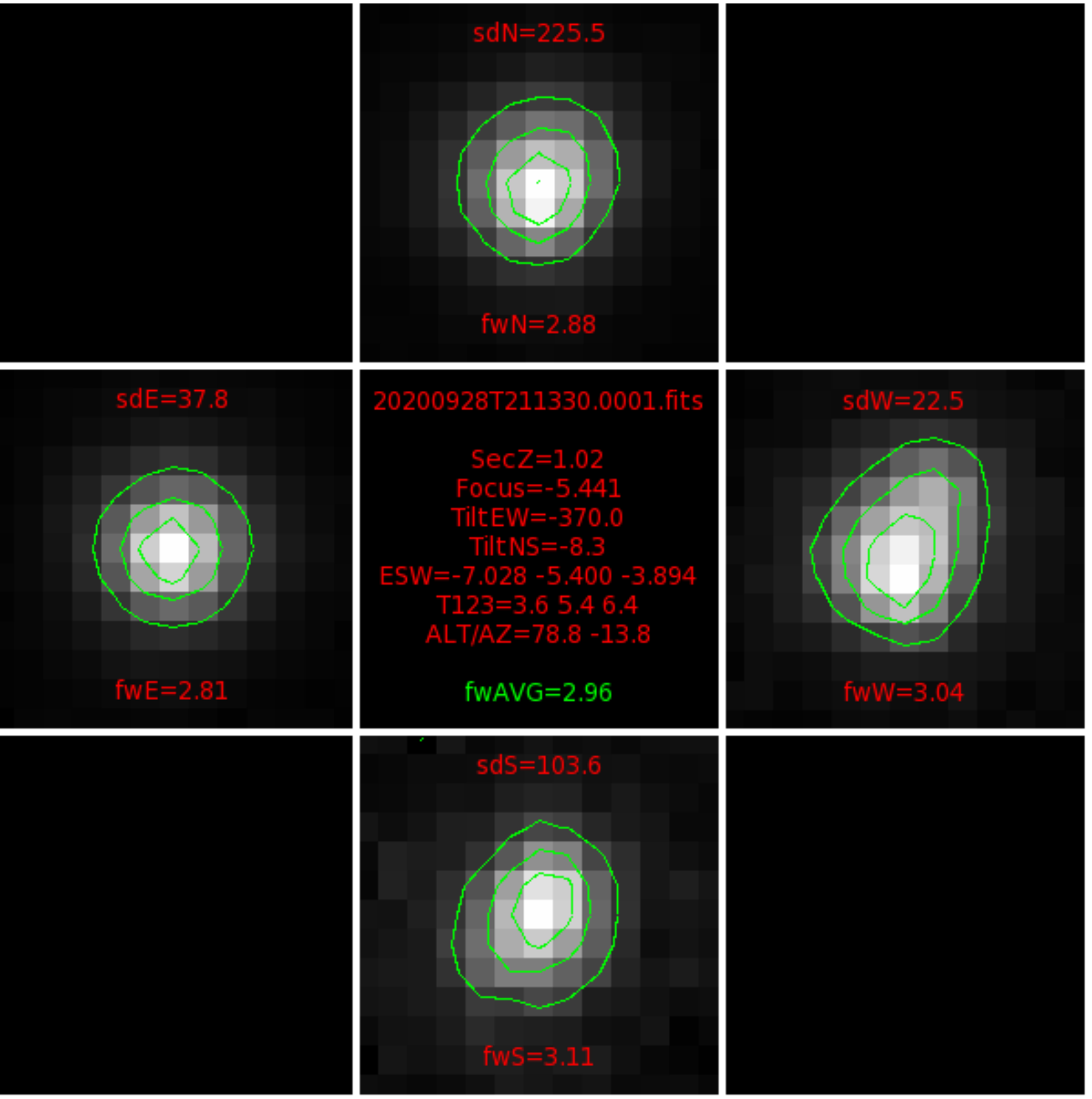
sdN=225.5
fwN=2.88
sdE=37.8
fwE=2.81
20200928T211330.0001.fits
SecZ=1.02
Focus=-5.441
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.028 -5.400 -3.894
T123=3.6 5.4 6.4
ALT/AZ=78.8 -13.8
fwAVG=2.96
sdW=22.5
fwW=3.04
sdS=103.6
fwS=3.11
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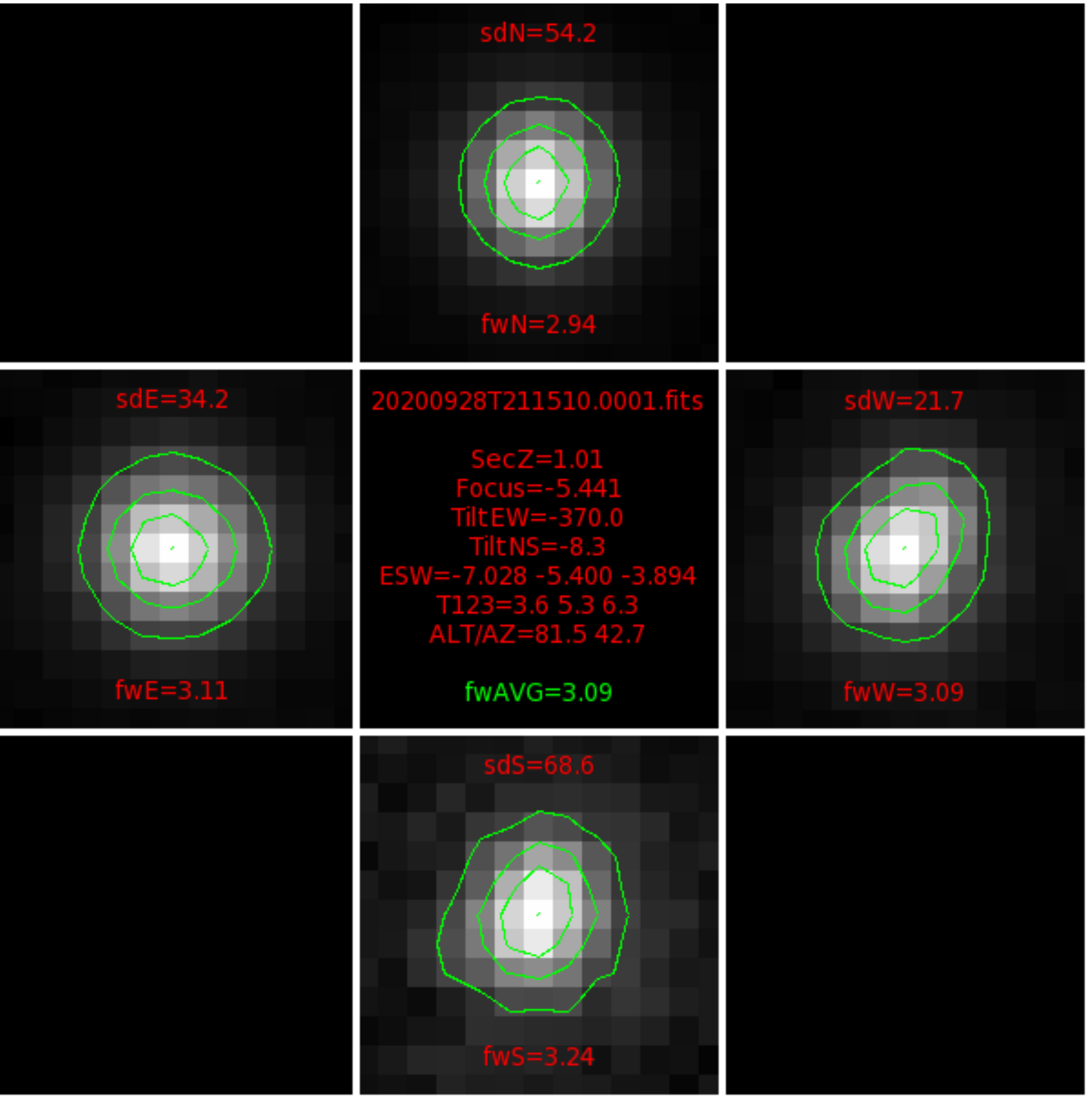
sdN=54.2
fwN=2.94
sdE=34.2
fwE=3.11
20200928T211510.0001.fits
SecZ=1.01
Focus=-5.441
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.028 -5.400 -3.894
T123=3.6 5.3 6.3
ALT/AZ=81.5 42.7
fwAVG=3.09
sdW=21.7
fwW=3.09
sdS=68.6
fwS=3.24
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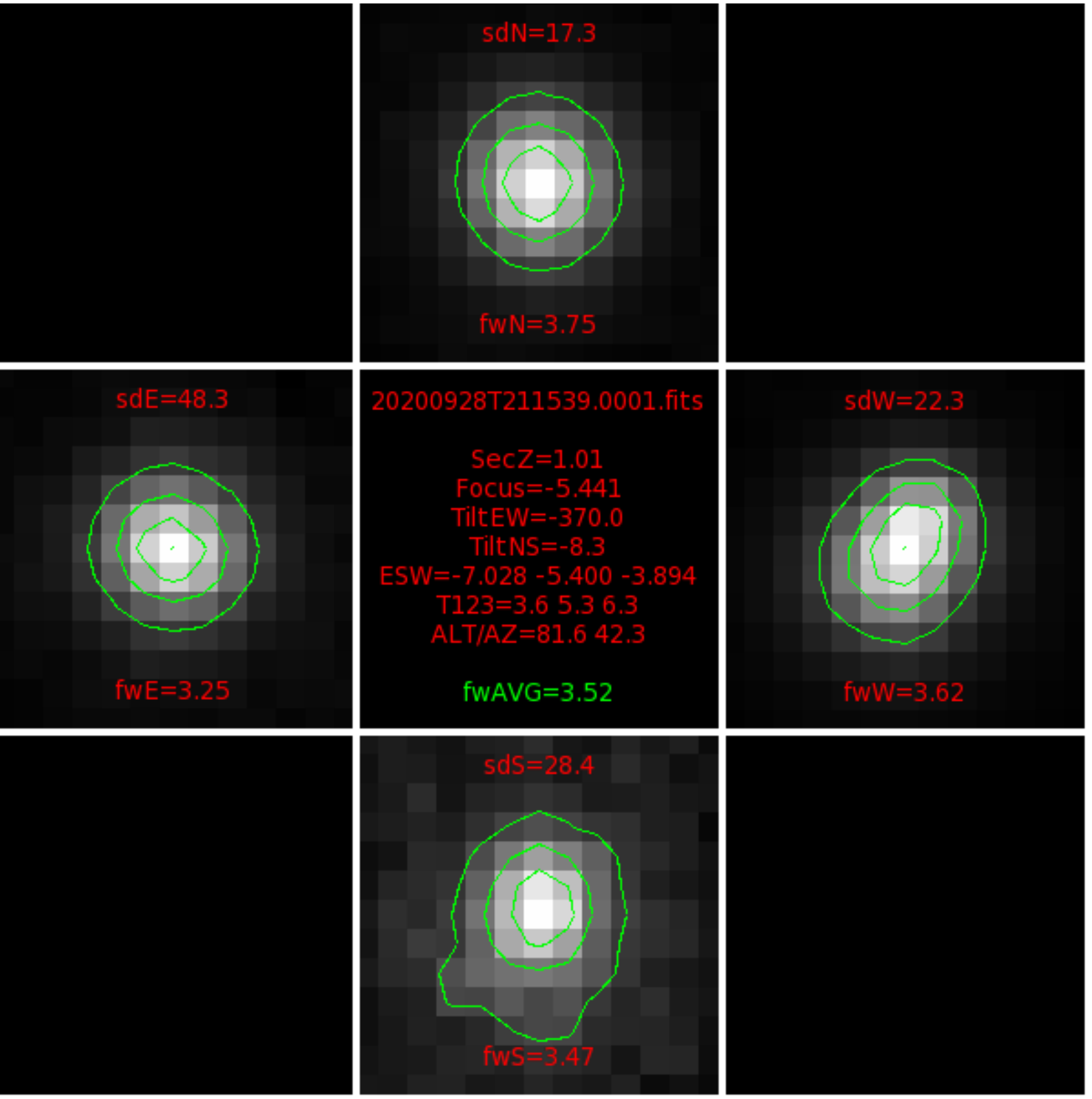
sdN=17.3
fwN=3.75
sdE=48.3
fwE=3.25
20200928T211539.0001.fits
SecZ=1.01
Focus=-5.441
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.028 -5.400 -3.894
T123=3.6 5.3 6.3
ALT/AZ=81.6 42.3
fwAVG=3.52
sdW=22.3
fwW=3.62
sdS=28.4
fwS=3.47
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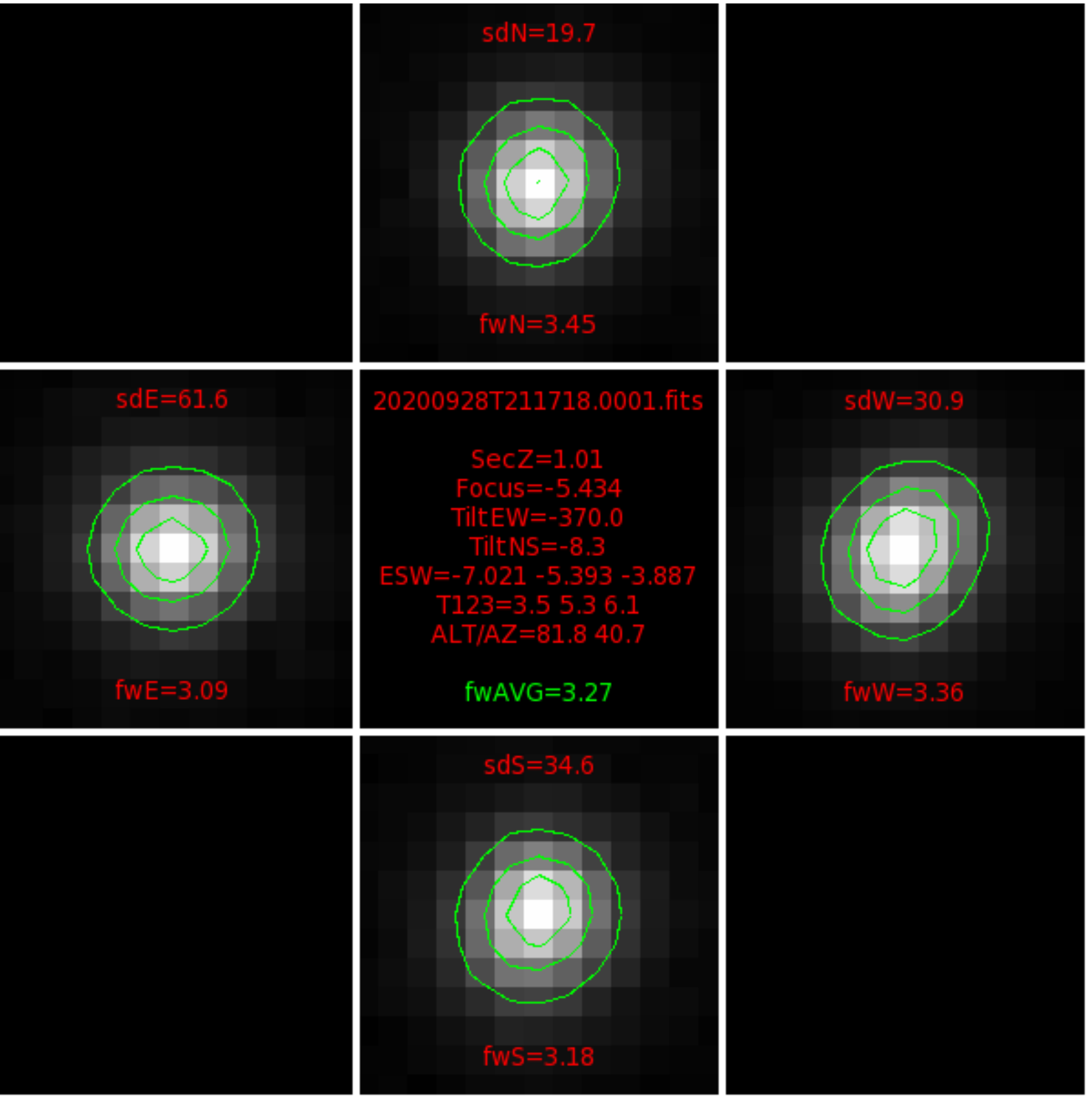
sdN=19.7
fwN=3.45
sdE=61.6
fwE=3.09
20200928T211718.0001.fits
SecZ=1.01
Focus=-5.434
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.021 -5.393 -3.887
T123=3.5 5.3 6.1
ALT/AZ=81.8 40.7
fwAVG=3.27
sdW=30.9
fwW=3.36
sdS=34.6
fwS=3.18
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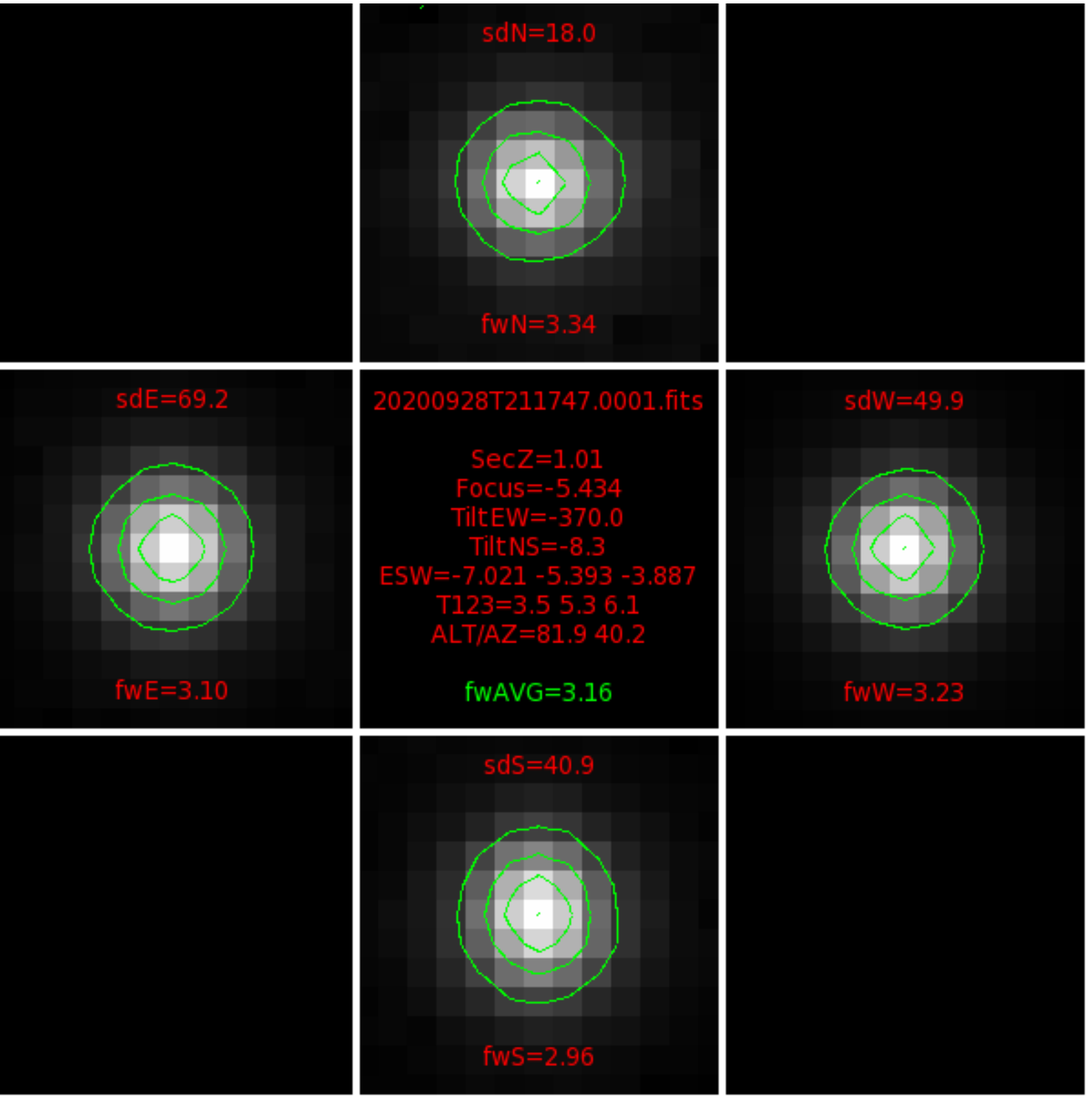
sdN=18.0
fwN=3.34
sdE=69.2
fwE=3.10
20200928T211747.0001.fits
SecZ=1.01
Focus=-5.434
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.021 -5.393 -3.887
T123=3.5 5.3 6.1
ALT/AZ=81.9 40.2
fwAVG=3.16
sdW=49.9
fwW=3.23
sdS=40.9
fwS=2.96
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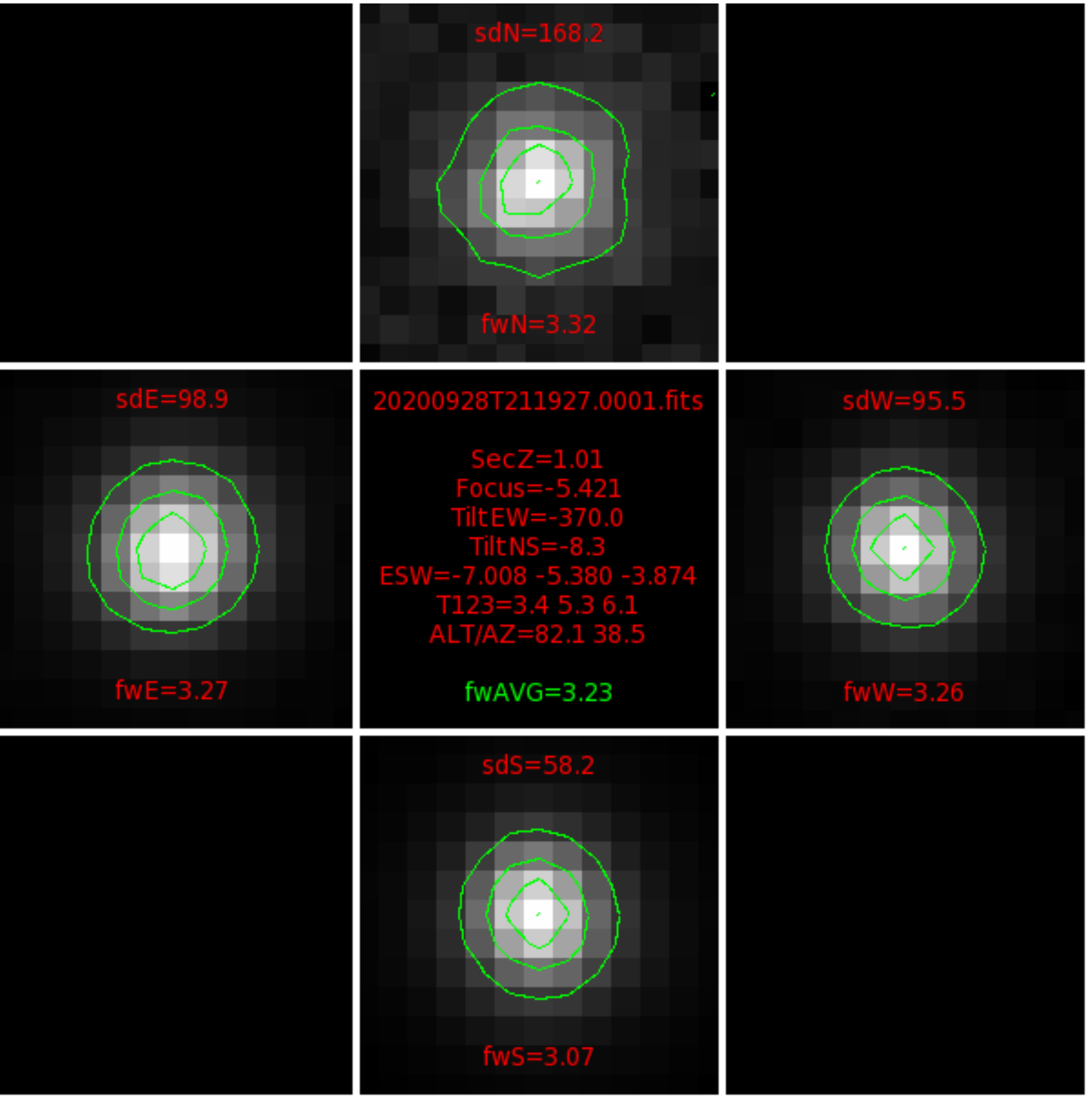
sdN=168.2
fwN=3.32
sdE=98.9
fwE=3.27
20200928T211927.0001.fits
SecZ=1.01
Focus=-5.421
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.008 -5.380 -3.874
T123=3.4 5.3 6.1
ALT/AZ=82.1 38.5
fwAVG=3.23
sdW=95.5
fwW=3.26
sdS=58.2
fwS=3.07
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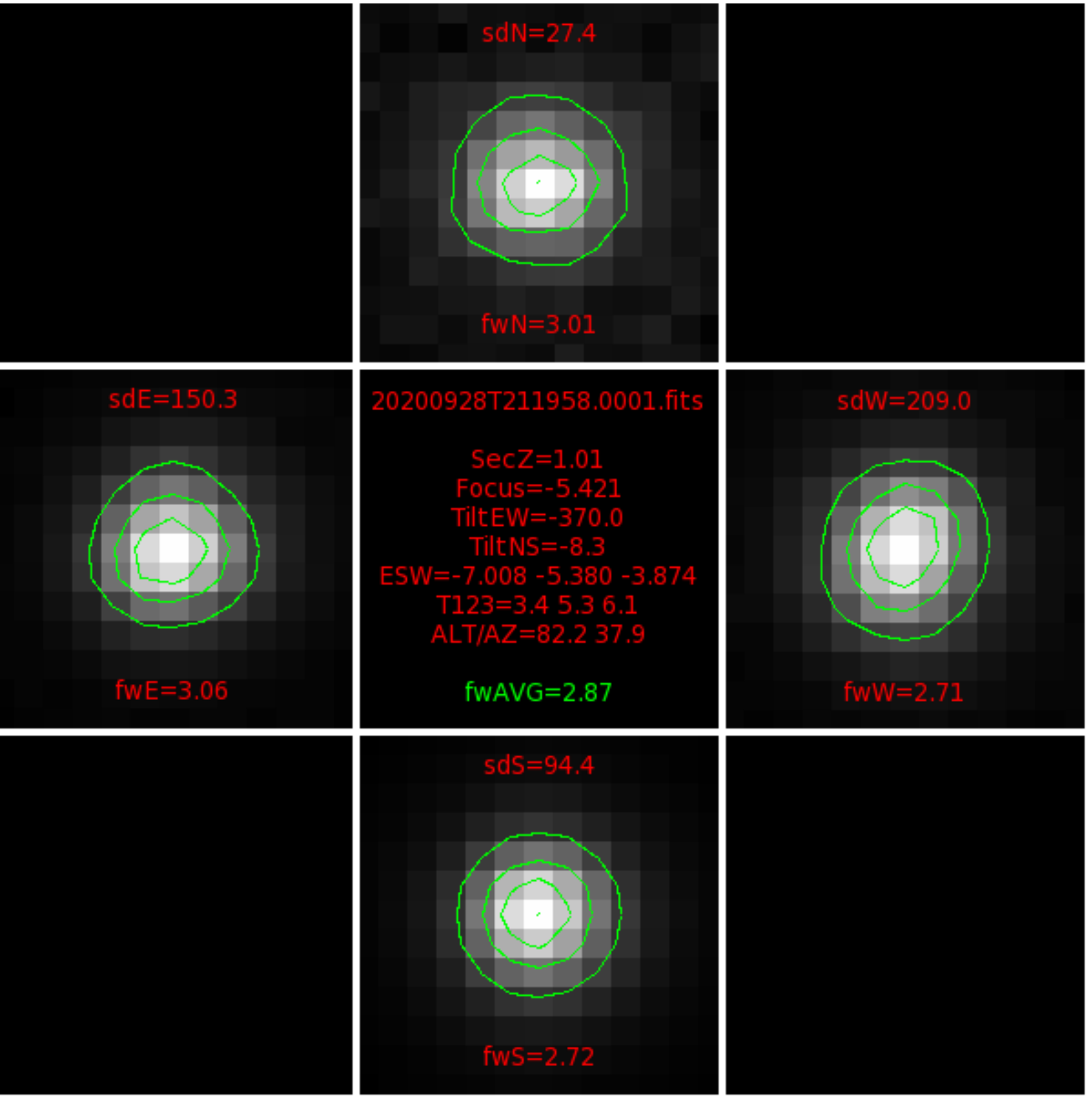
sdN=27.4
fwN=3.01
sdE=150.3
fwE=3.06
20200928T211958.0001.fits
SecZ=1.01
Focus=-5.421
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.008 -5.380 -3.874
T123=3.4 5.3 6.1
ALT/AZ=82.2 37.9
fwAVG=2.87
sdW=209.0
fwW=2.71
sdS=94.4
fwS=2.72
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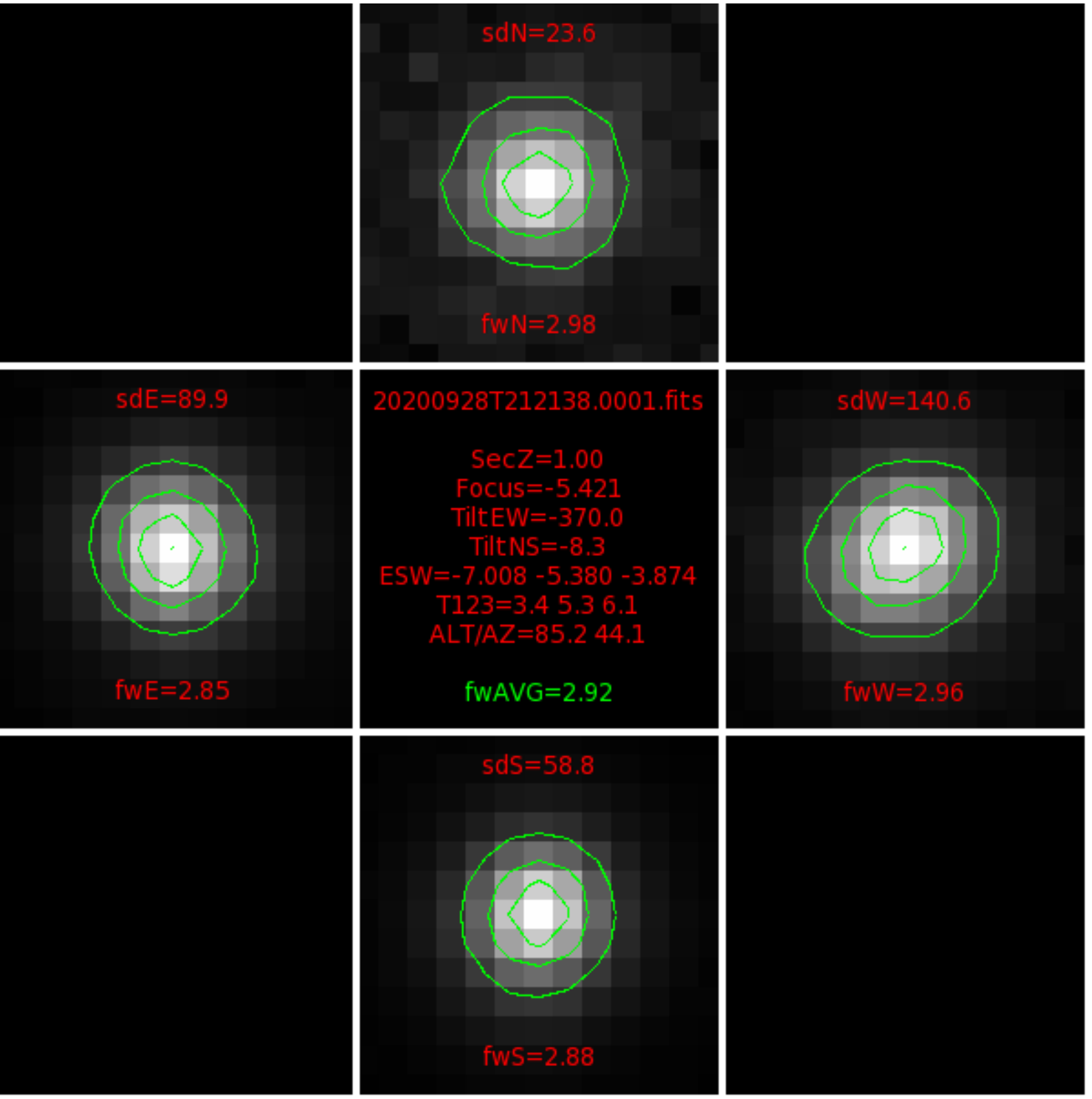
sdN=23.6
fwN=2.98
sdE=89.9
fwE=2.85
20200928T212138.0001.fits
SecZ=1.00
Focus=-5.421
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.008 -5.380 -3.874
T123=3.4 5.3 6.1
ALT/AZ=85.2 44.1
fwAVG=2.92
sdW=140.6
fwW=2.96
sdS=58.8
fwS=2.88
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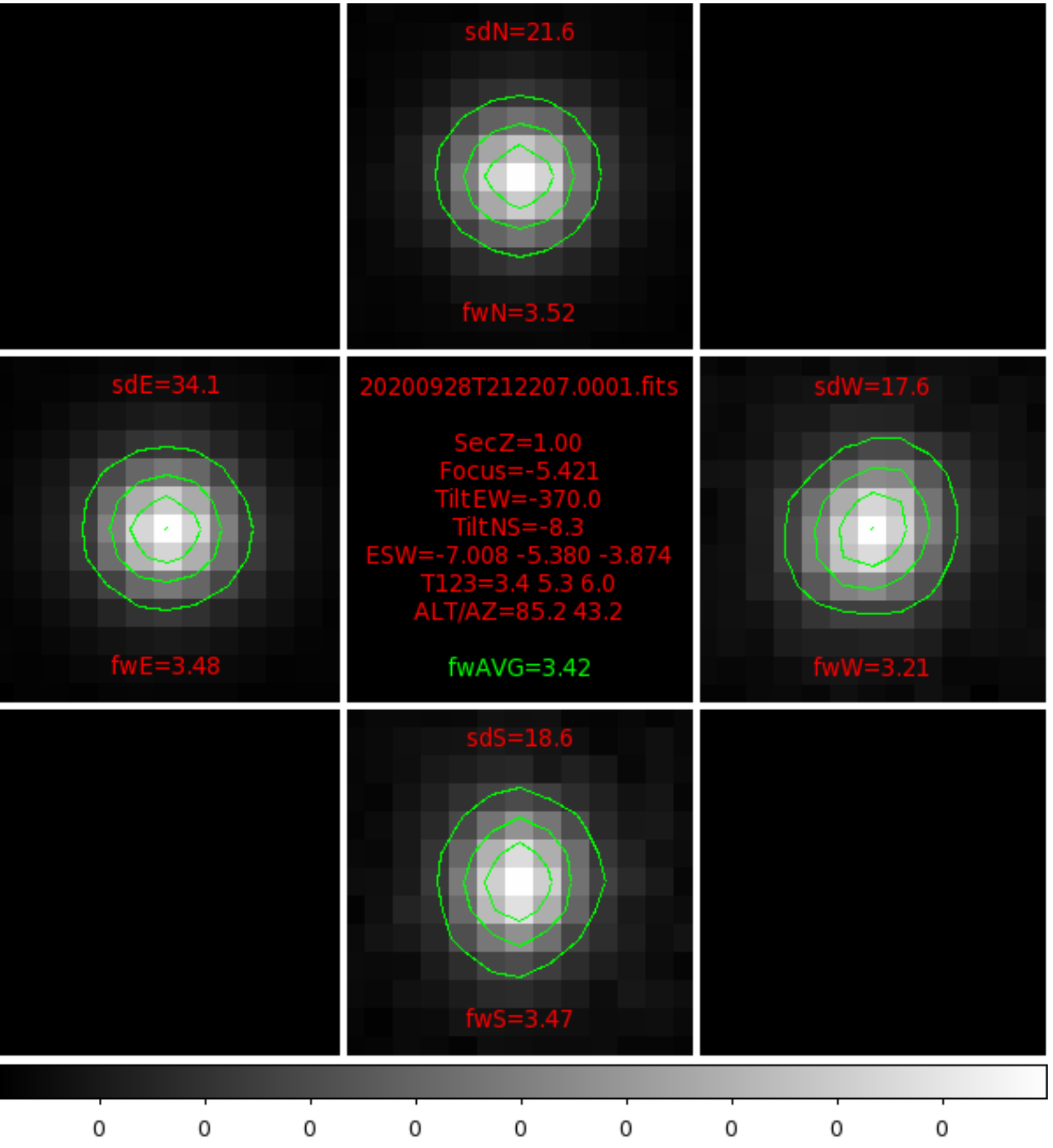
sdN=21.6
fwN=3.52
sdE=34.1
fwE=3.48
20200928T212207.0001.fits
SecZ=1.00
Focus=-5.421
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.008 -5.380 -3.874
T123=3.4 5.3 6.0
ALT/AZ=85.2 43.2
fwAVG=3.42
sdW=17.6
fwW=3.21
sdS=18.6
fwS=3.47
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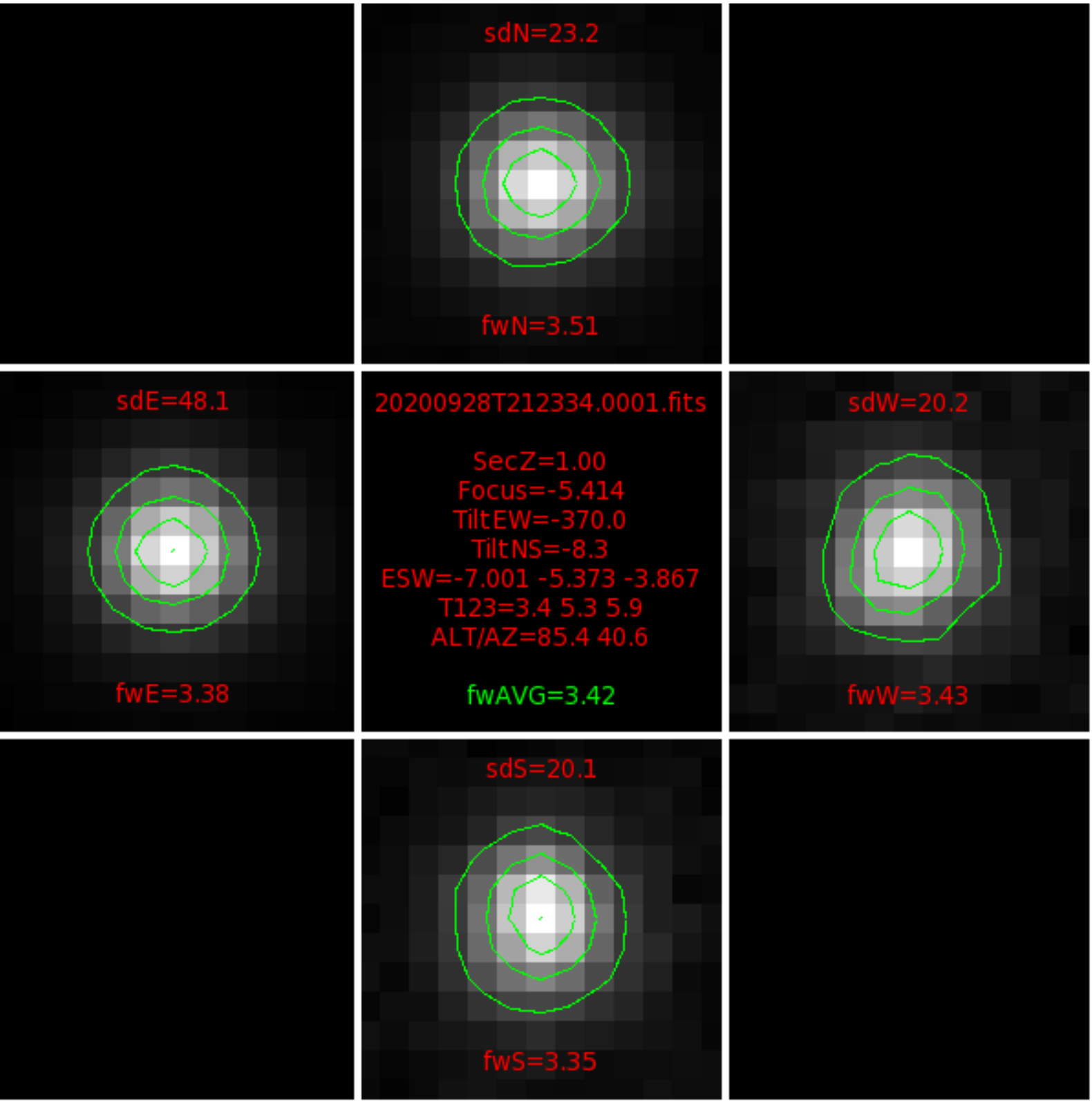
sdN=23.2
fwN=3.51
sdE=48.1
fwE=3.38
20200928T212334.0001.fits
SecZ=1.00
Focus=-5.414
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.001 -5.373 -3.867
T123=3.4 5.3 5.9
ALT/AZ=85.4 40.6
fwAVG=3.42
sdW=20.2
fwW=3.43
sdS=20.1
fwS=3.35
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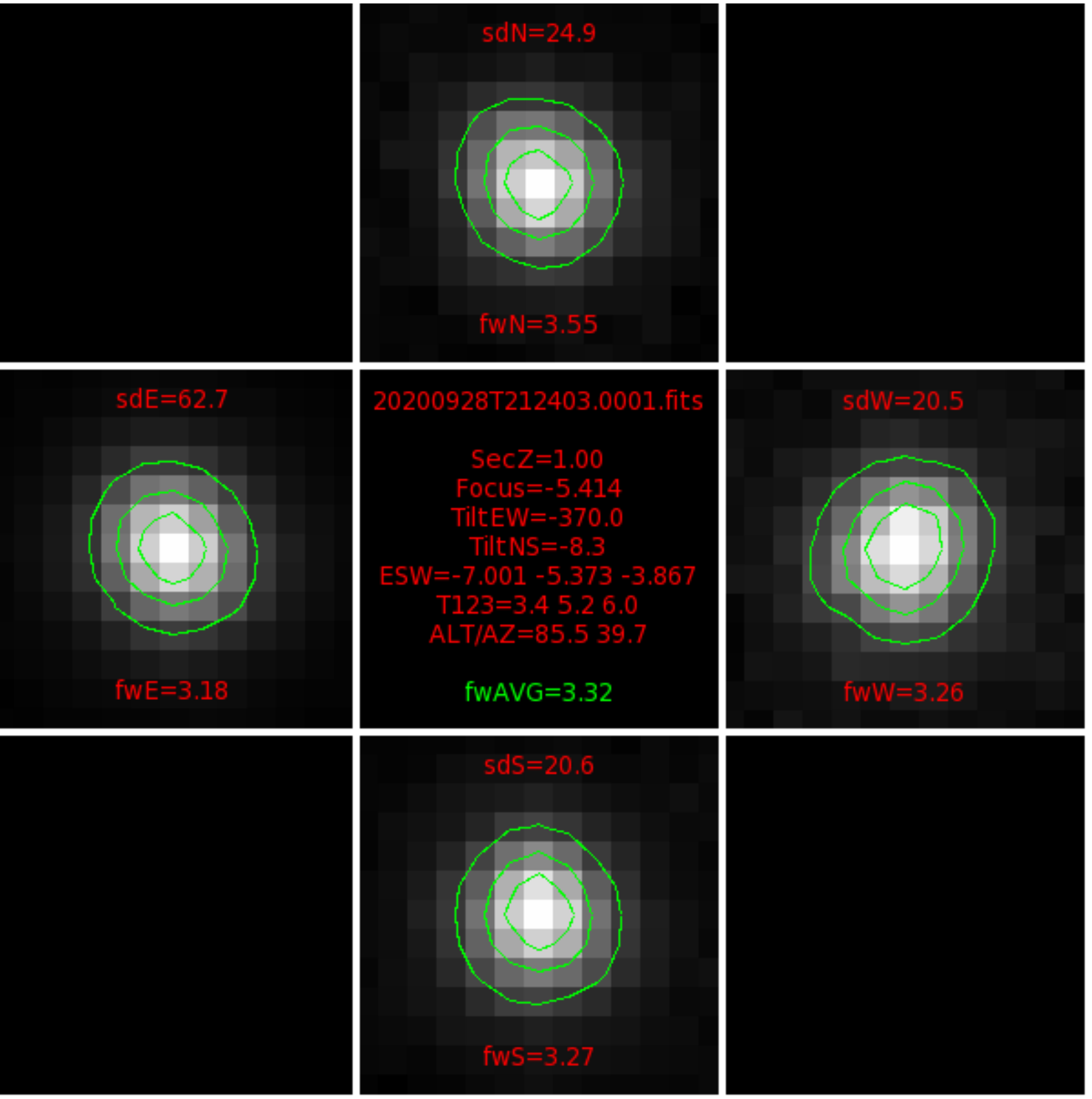
sdN=24.9
fwN=3.55
sdE=62.7
fwE=3.18
20200928T212403.0001.fits
SecZ=1.00
Focus=-5.414
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.001 -5.373 -3.867
T123=3.4 5.2 6.0
ALT/AZ=85.5 39.7
fwAVG=3.32
sdW=20.5
fwW=3.26
sdS=20.6
fwS=3.27
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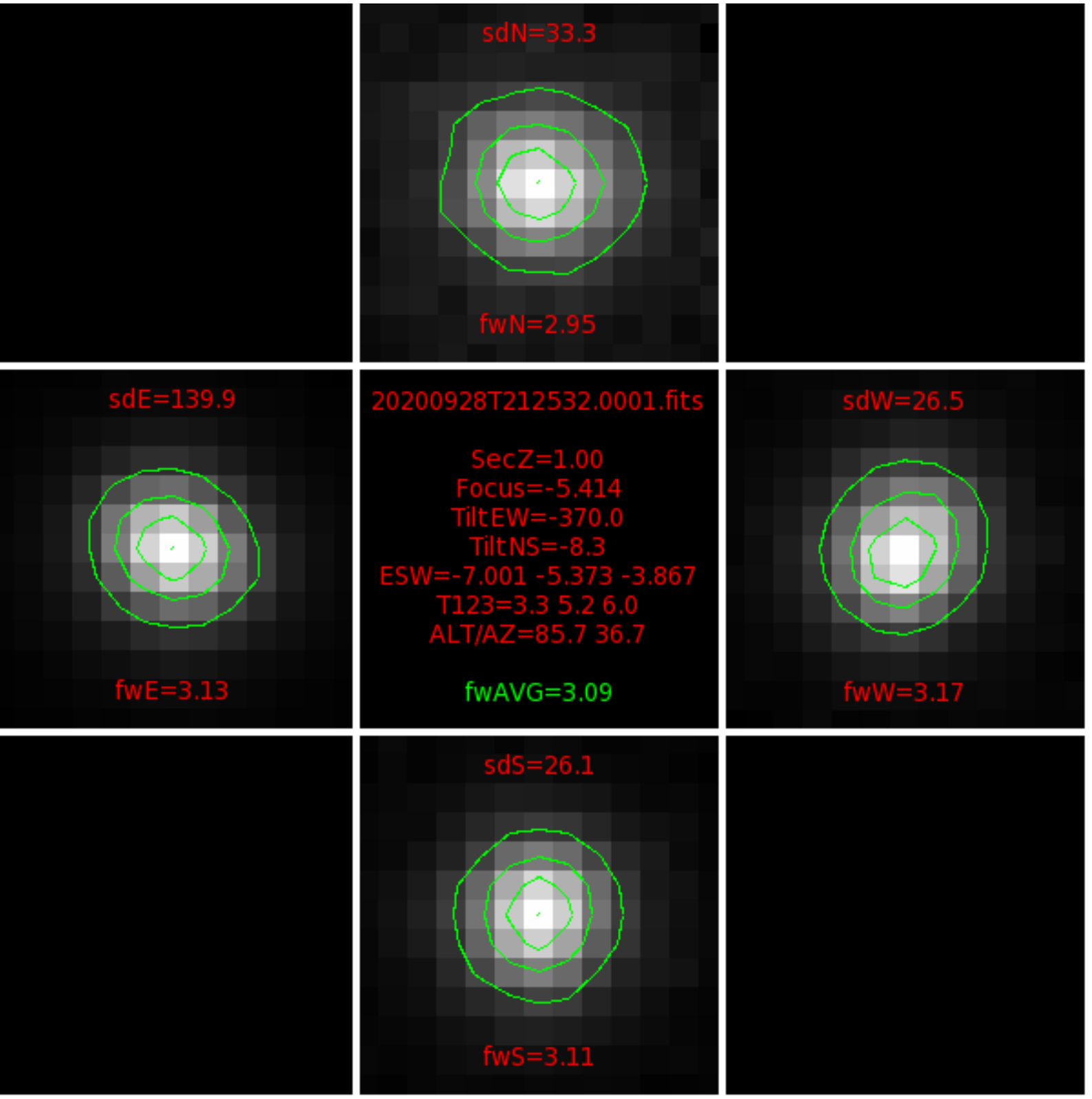
sdN=33.3
fwN=2.95
sdE=139.9
fwE=3.13
20200928T212532.0001.fits
SecZ=1.00
Focus=-5.414
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.001 -5.373 -3.867
T123=3.3 5.2 6.0
ALT/AZ=85.7 36.7
fwAVG=3.09
sdW=26.5
fwW=3.17
sdS=26.1
fwS=3.11
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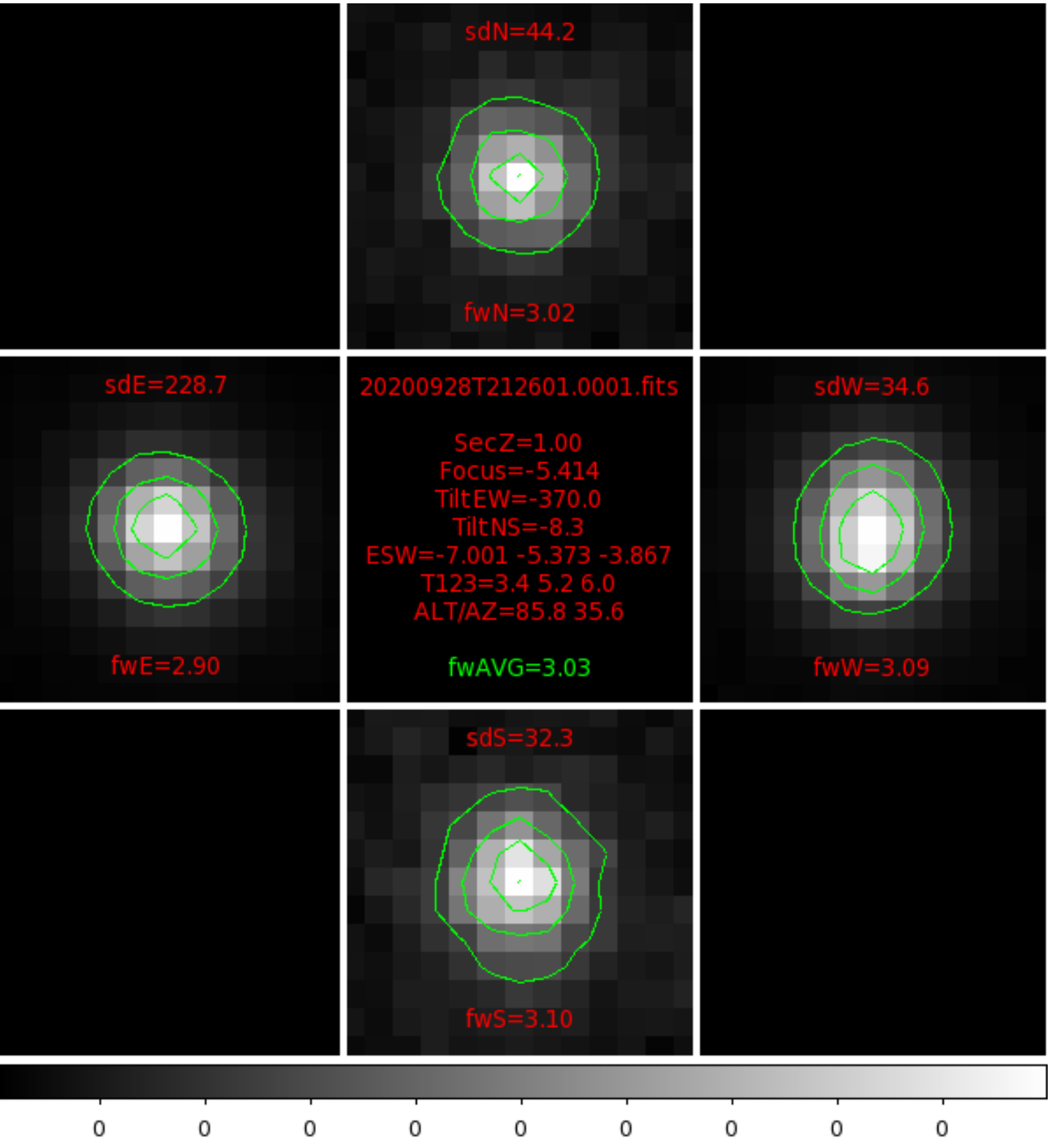
sdN=44.2
fwN=3.02
sdE=228.7
fwE=2.90
20200928T212601.0001.fits
SecZ=1.00
Focus=-5.414
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.001 -5.373 -3.867
T123=3.4 5.2 6.0
ALT/AZ=85.8 35.6
fwAVG=3.03
sdW=34.6
fwW=3.09
sdS=32.3
fwS=3.10
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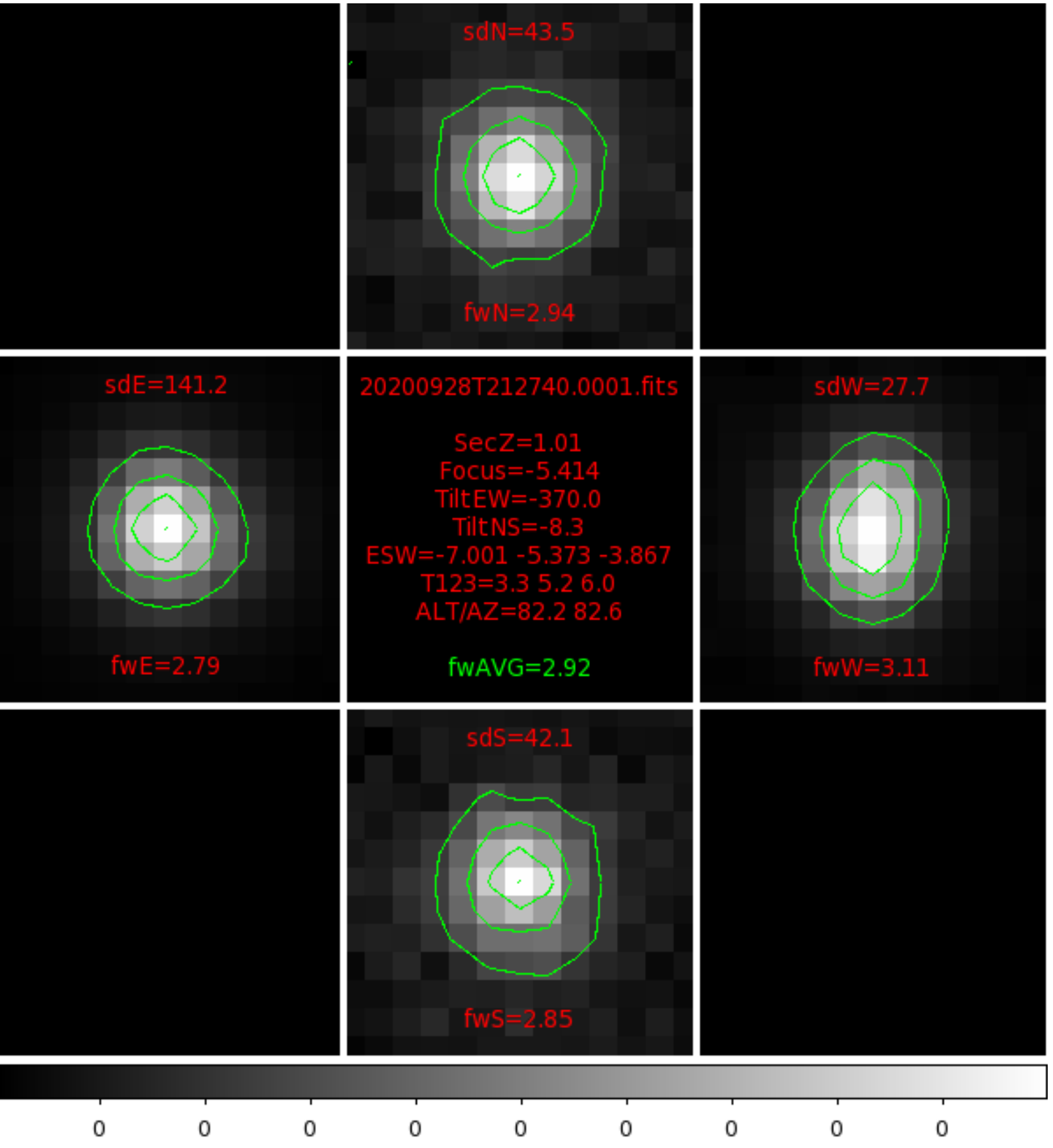
sdN=43.5
fwN=2.94
sdE=141.2
fwE=2.79
20200928T212740.0001.fits
SecZ=1.01
Focus=-5.414
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.001 -5.373 -3.867
T123=3.3 5.2 6.0
ALT/AZ=82.2 82.6
fwAVG=2.92
sdW=27.7
fwW=3.11
sdS=42.1
fwS=2.85
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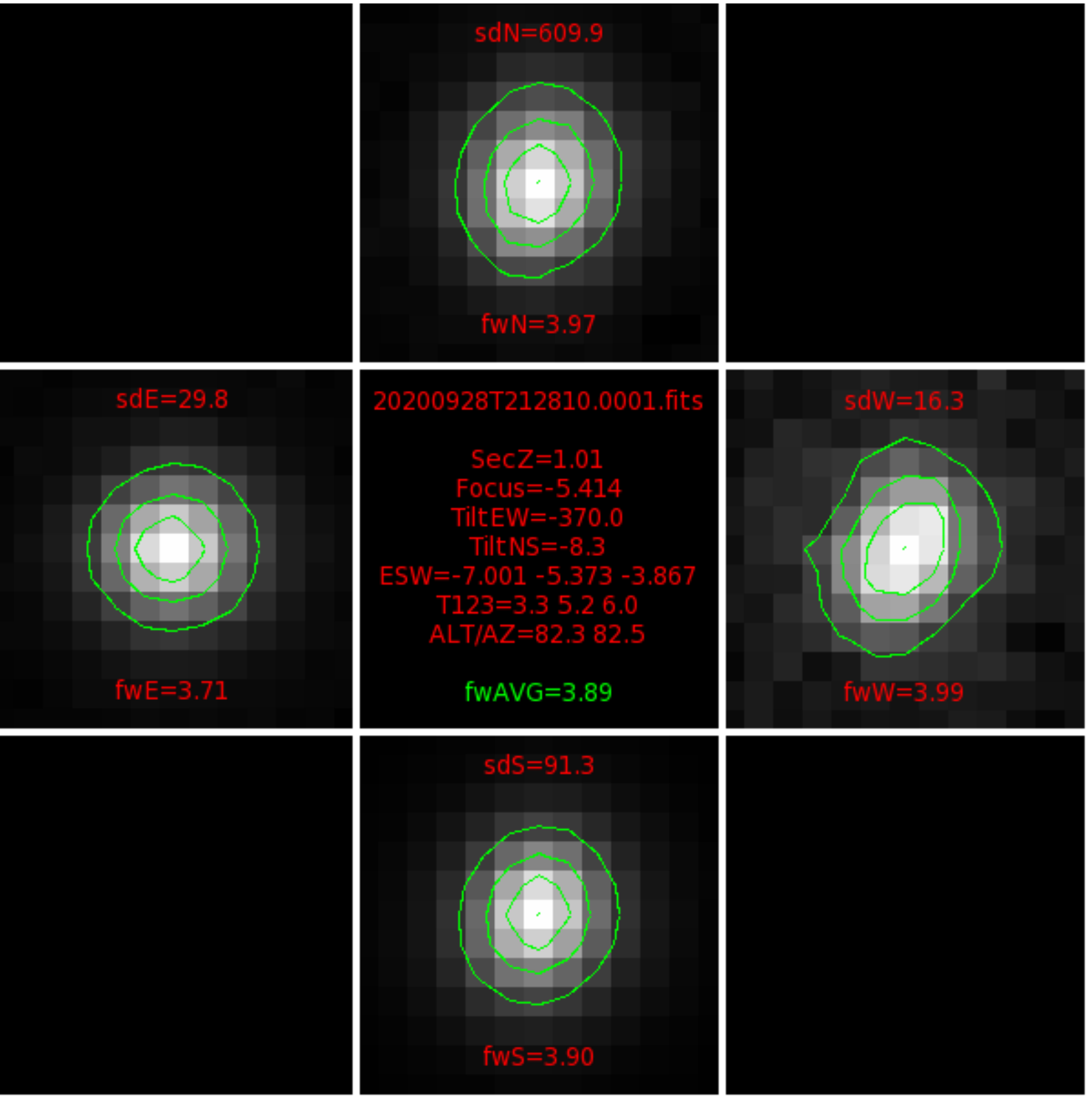
sdN=609.9
fwN=3.97
sdE=29.8
fwE=3.71
20200928T212810.0001.fits
SecZ=1.01
Focus=-5.414
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.001 -5.373 -3.867
T123=3.3 5.2 6.0
ALT/AZ=82.3 82.5
fwAVG=3.89
sdW=16.3
fwW=3.99
sdS=91.3
fwS=3.90
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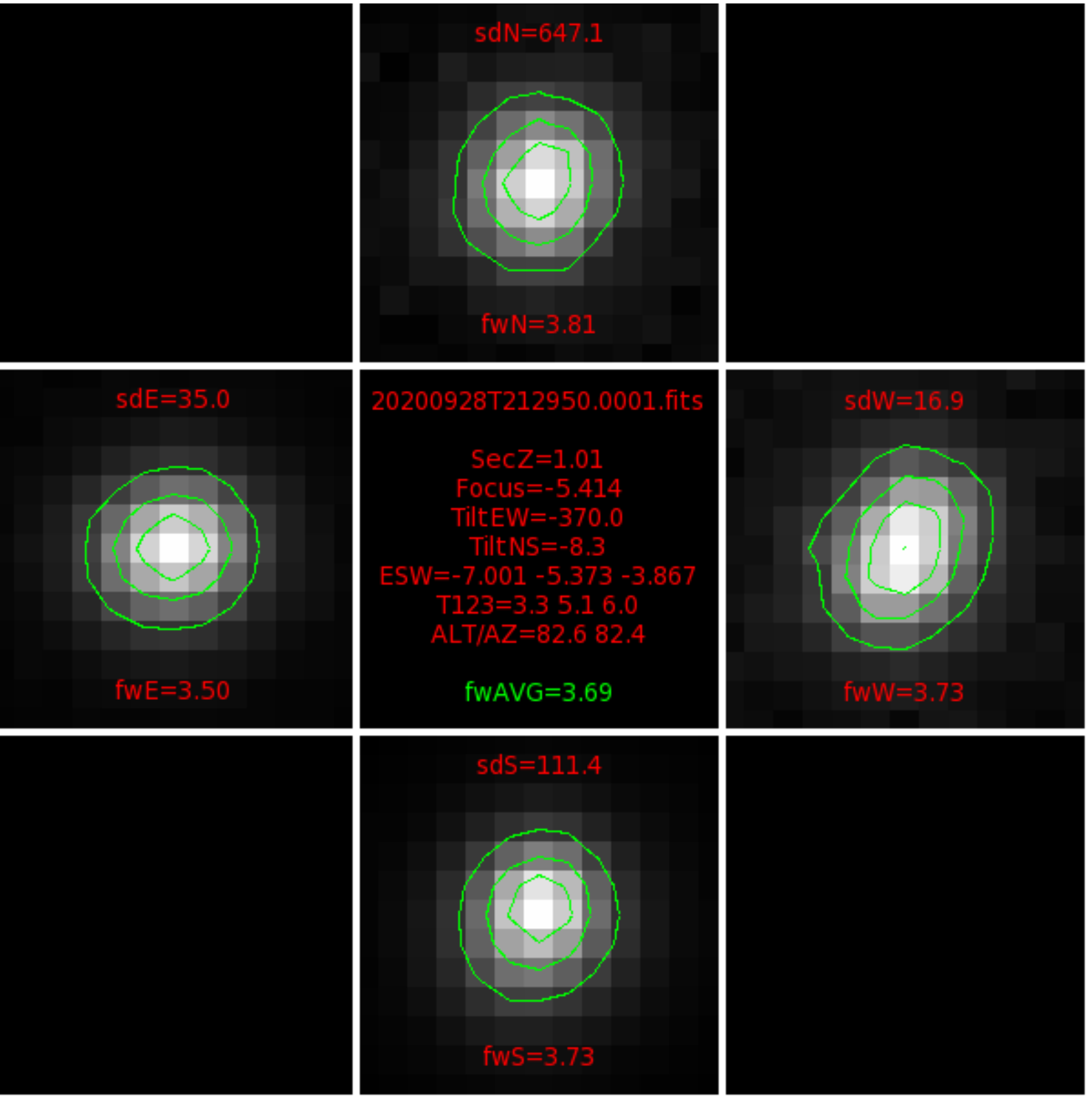
sdN=647.1
fwN=3.81
sdE=35.0
fwE=3.50
20200928T212950.0001.fits
SecZ=1.01
Focus=-5.414
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.001 -5.373 -3.867
T123=3.3 5.1 6.0
ALT/AZ=82.6 82.4
fwAVG=3.69
sdW=16.9
fwW=3.73
sdS=111.4
fwS=3.73
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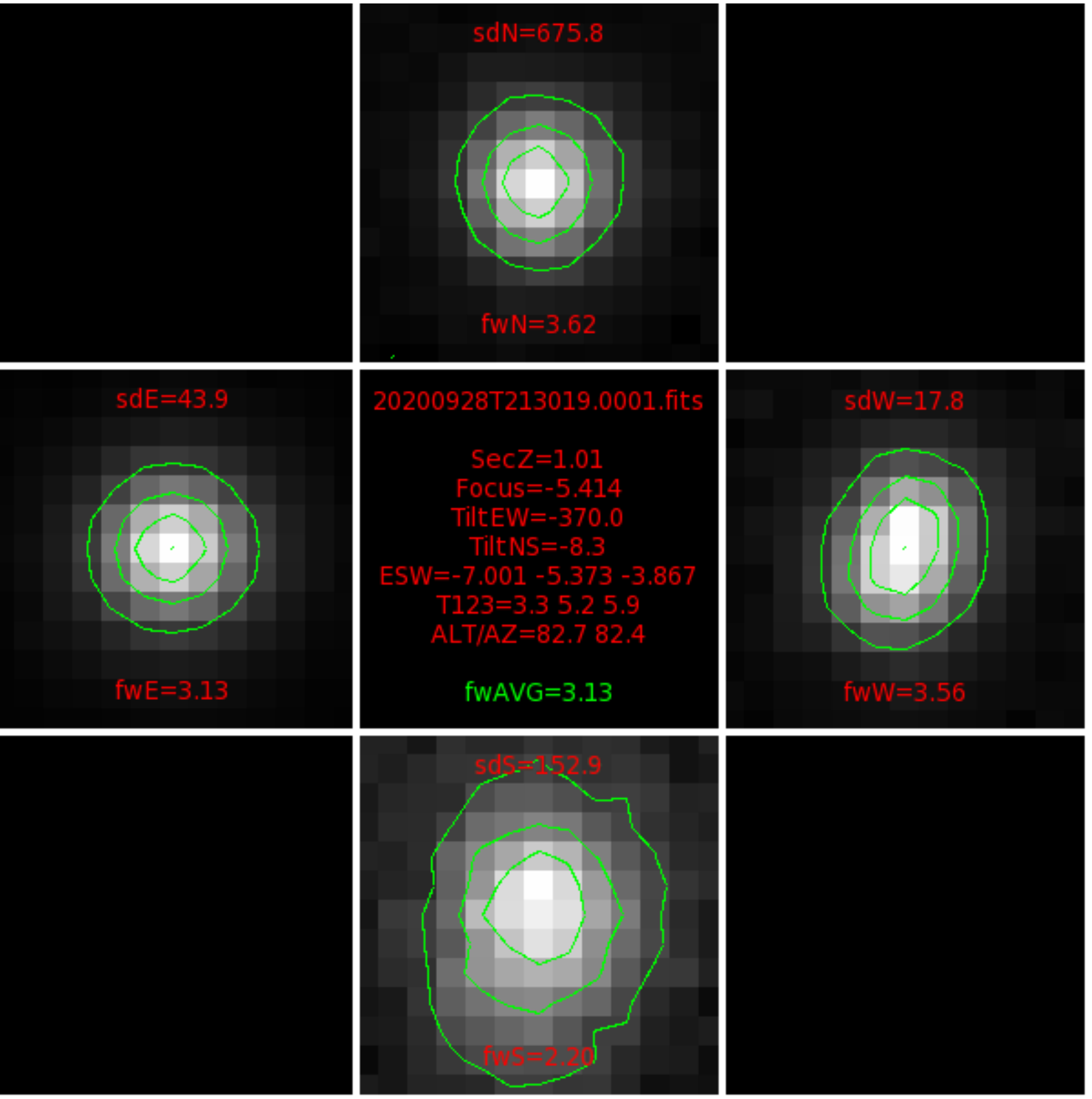
sdN=675.8
fwN=3.62
sdE=43.9
fwE=3.13
20200928T213019.0001.fits
SecZ=1.01
Focus=-5.414
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.001 -5.373 -3.867
T123=3.3 5.2 5.9
ALT/AZ=82.7 82.4
fwAVG=3.13
sdW=17.8
fwW=3.56
sdS=152.9
fwS=2.20
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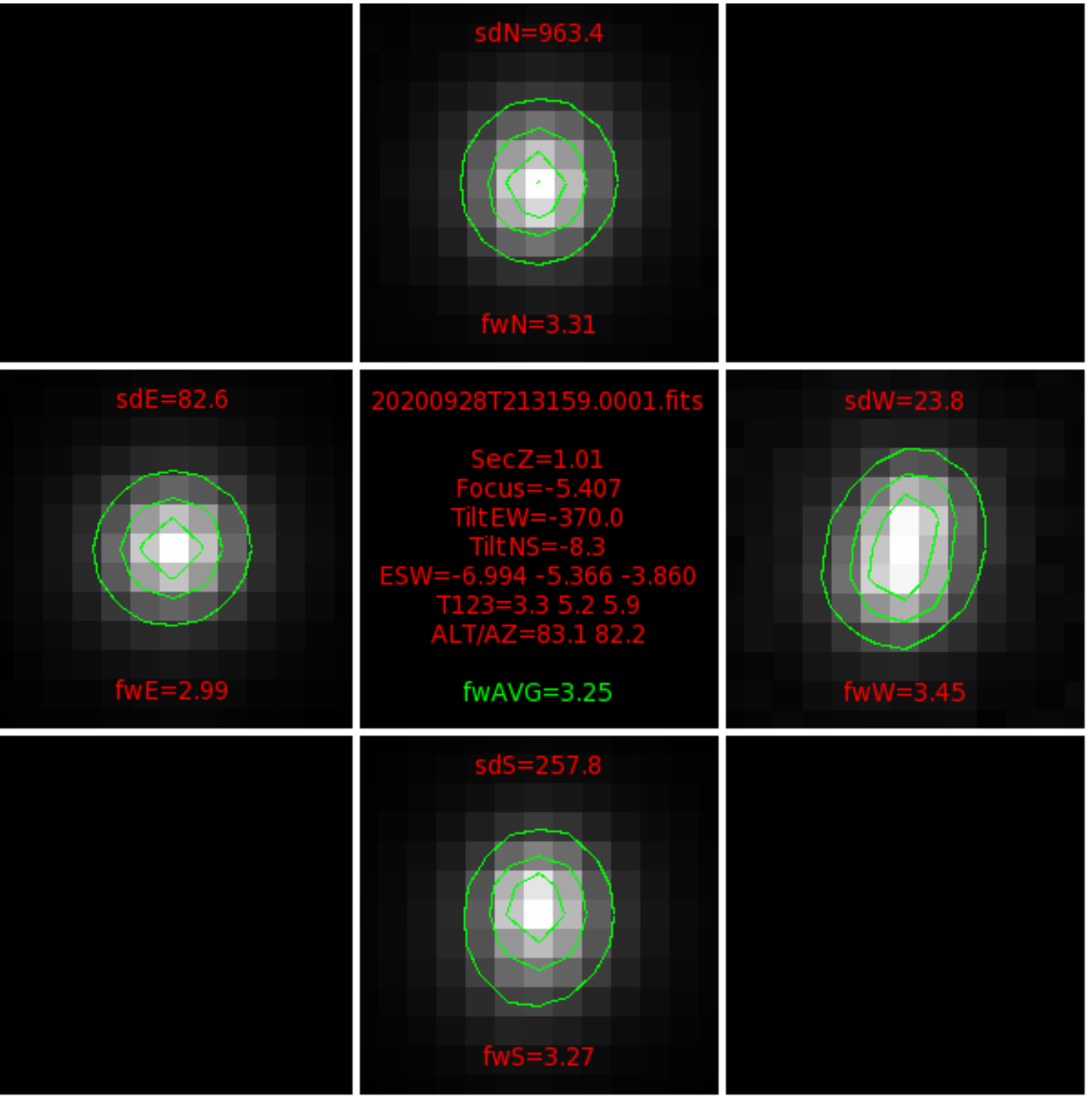
sdN=963.4
fwN=3.31
sdE=82.6
fwE=2.99
20200928T213159.0001.fits
SecZ=1.01
Focus=-5.407
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.994 -5.366 -3.860
T123=3.3 5.2 5.9
ALT/AZ=83.1 82.2
fwAVG=3.25
sdW=23.8
fwW=3.45
sdS=257.8
fwS=3.27
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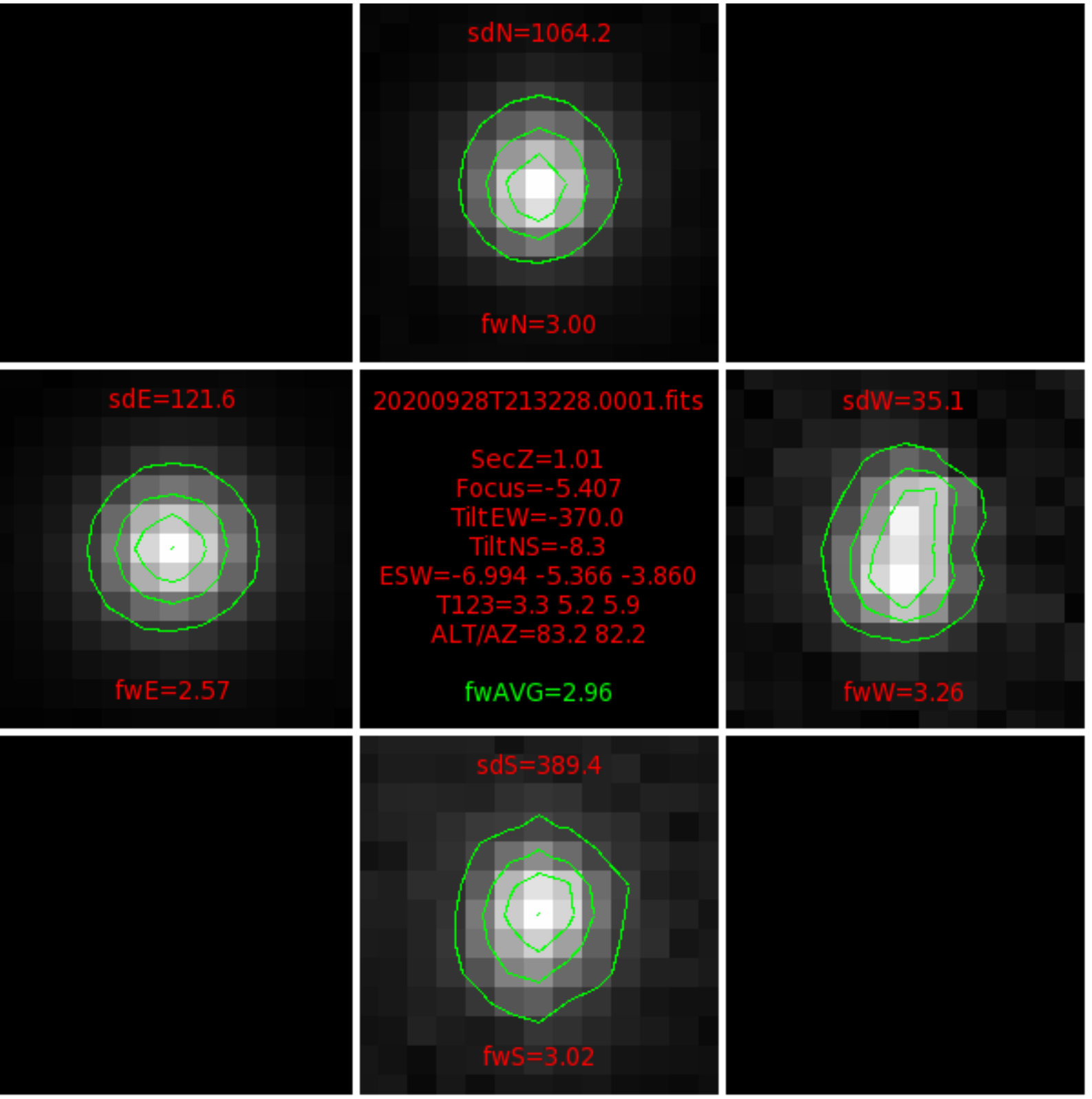
sdN=1064.2
fwN=3.00
sdE=121.6
fwE=2.57
20200928T213228.0001.fits
SecZ=1.01
Focus=-5.407
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.994 -5.366 -3.860
T123=3.3 5.2 5.9
ALT/AZ=83.2 82.2
fwAVG=2.96
sdW=35.1
fwW=3.26
sdS=389.4
fwS=3.02
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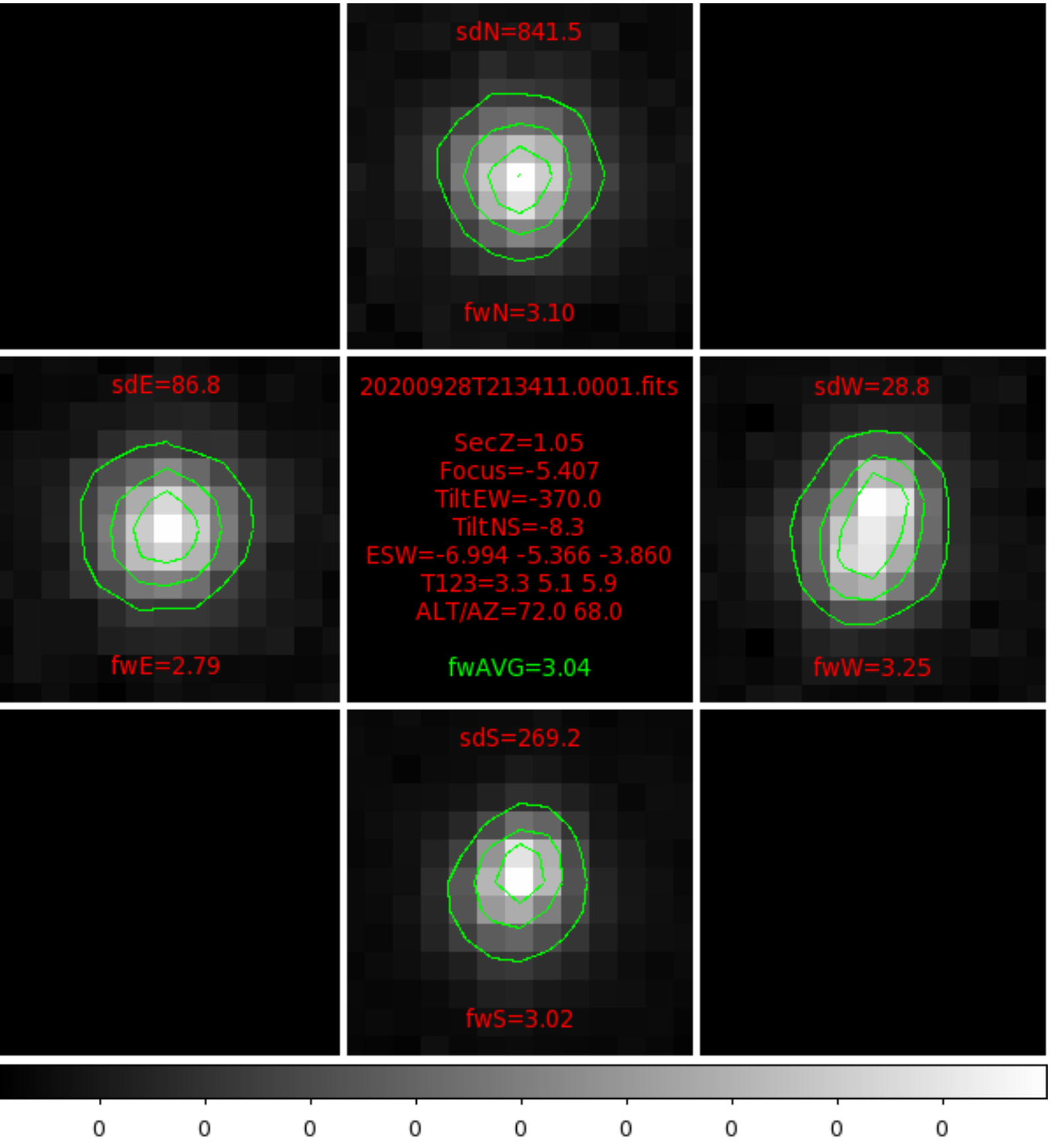
sdN=841.5
fwN=3.10
sdE=86.8
fwE=2.79
20200928T213411.0001.fits
SecZ=1.05
Focus=-5.407
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.994 -5.366 -3.860
T123=3.3 5.1 5.9
ALT/AZ=72.0 68.0
fwAVG=3.04
sdW=28.8
fwW=3.25
sdS=269.2
fwS=3.02
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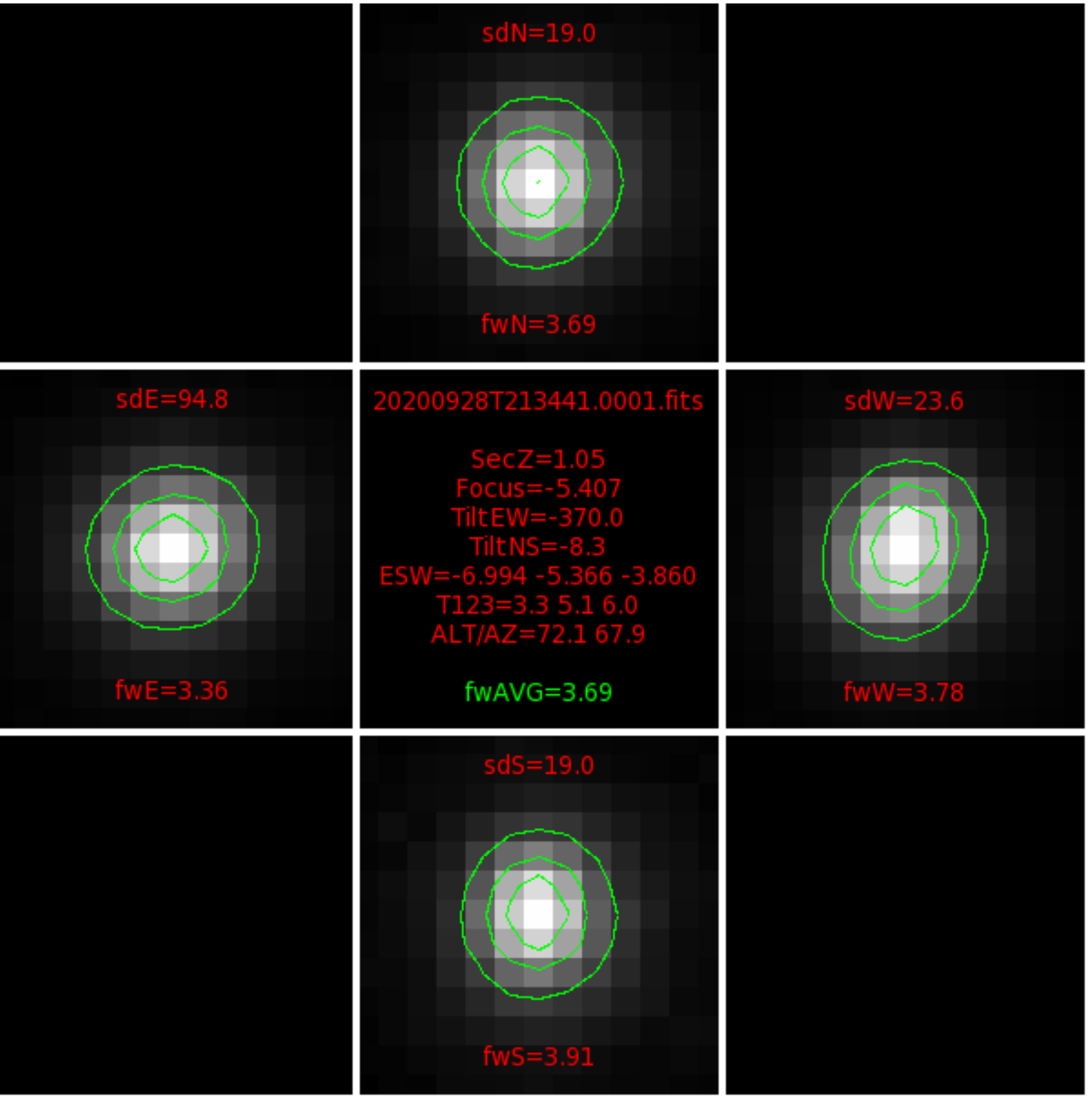
sdN=19.0
fwN=3.69
sdE=94.8
fwE=3.36
20200928T213441.0001.fits
SecZ=1.05
Focus=-5.407
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.994 -5.366 -3.860
T123=3.3 5.1 6.0
ALT/AZ=72.1 67.9
fwAVG=3.69
sdW=23.6
fwW=3.78
sdS=19.0
fwS=3.91
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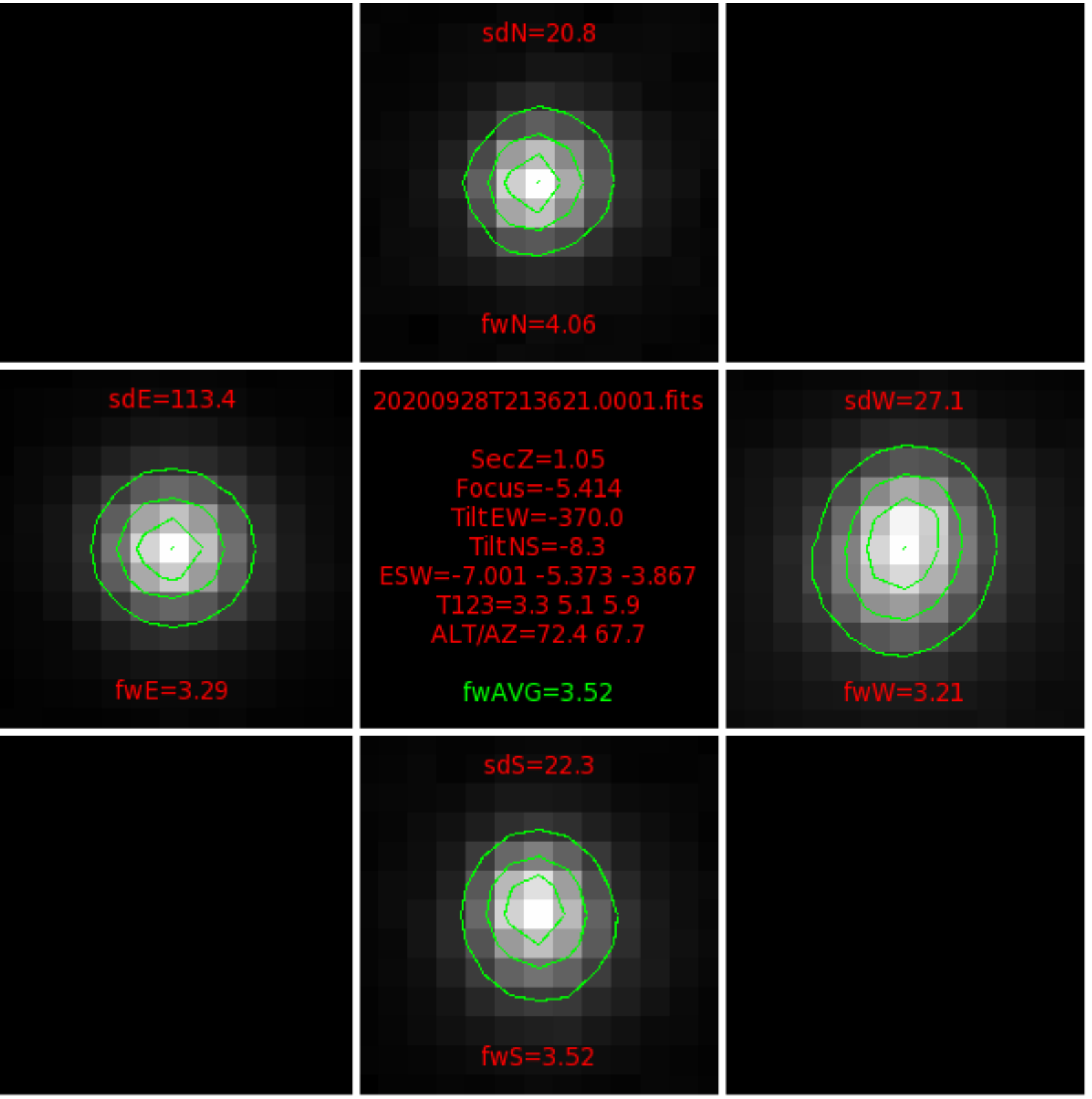
sdN=20.8
fwN=4.06
sdE=113.4
fwE=3.29
20200928T213621.0001.fits
SecZ=1.05
Focus=-5.414
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.001 -5.373 -3.867
T123=3.3 5.1 5.9
ALT/AZ=72.4 67.7
fwAVG=3.52
sdW=27.1
fwW=3.21
sdS=22.3
fwS=3.52
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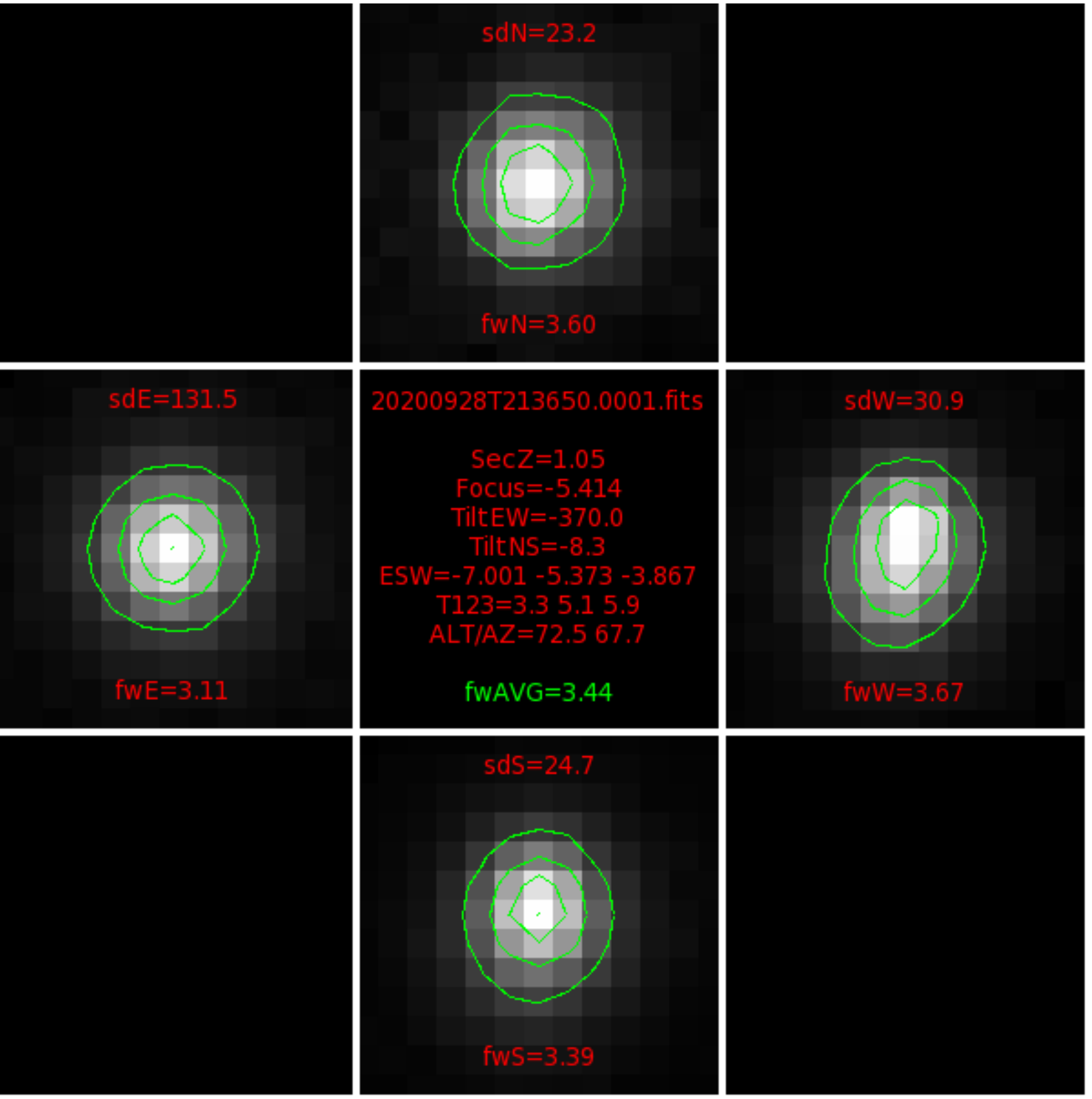
sdN=23.2
fwN=3.60
sdE=131.5
fwE=3.11
20200928T213650.0001.fits
SecZ=1.05
Focus=-5.414
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.001 -5.373 -3.867
T123=3.3 5.1 5.9
ALT/AZ=72.5 67.7
fwAVG=3.44
sdW=30.9
fwW=3.67
sdS=24.7
fwS=3.39
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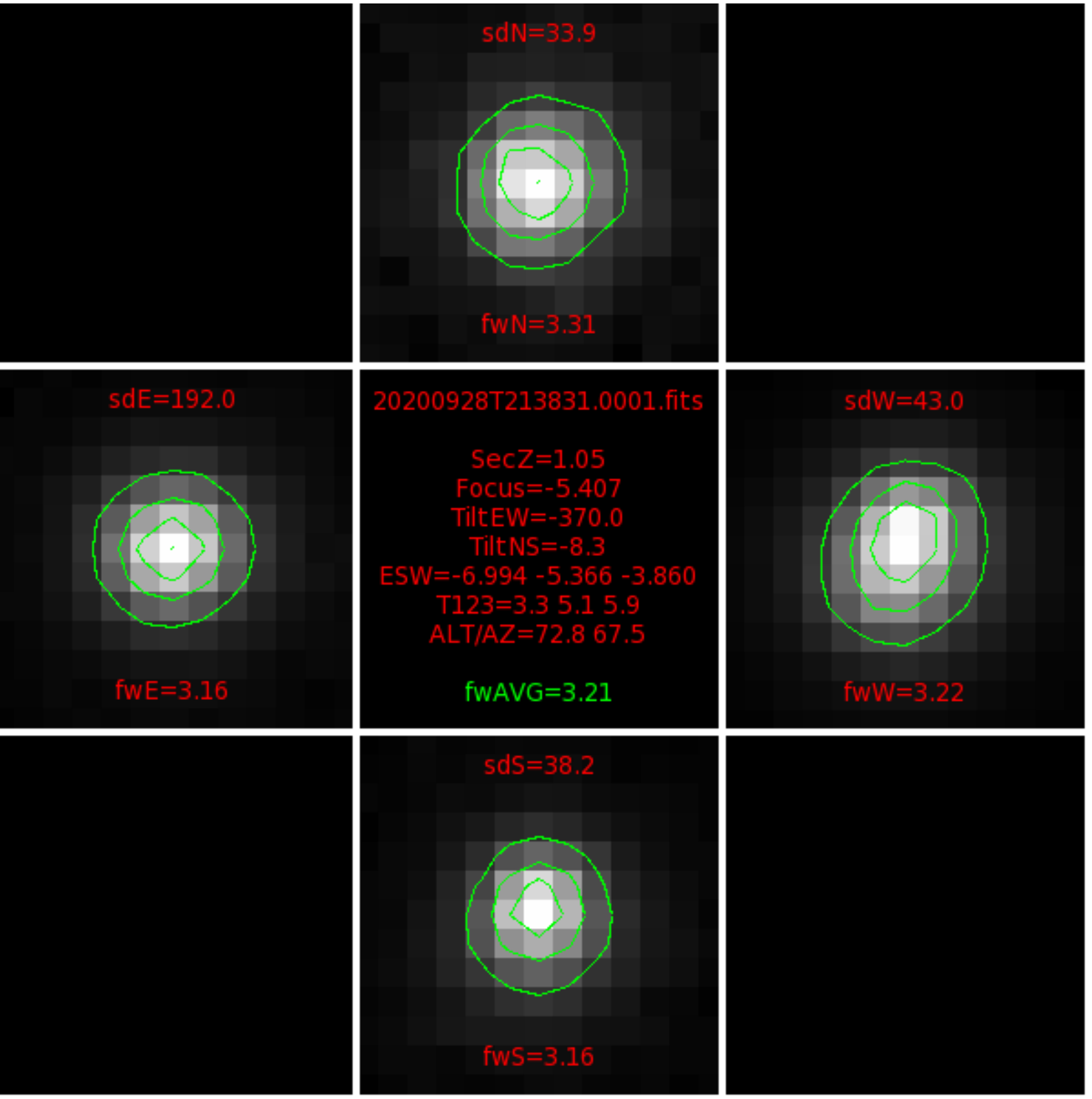
sdN=33.9
fwN=3.31
sdE=192.0
fwE=3.16
20200928T213831.0001.fits
SecZ=1.05
Focus=-5.407
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.994 -5.366 -3.860
T123=3.3 5.1 5.9
ALT/AZ=72.8 67.5
fwAVG=3.21
sdW=43.0
fwW=3.22
sdS=38.2
fwS=3.16
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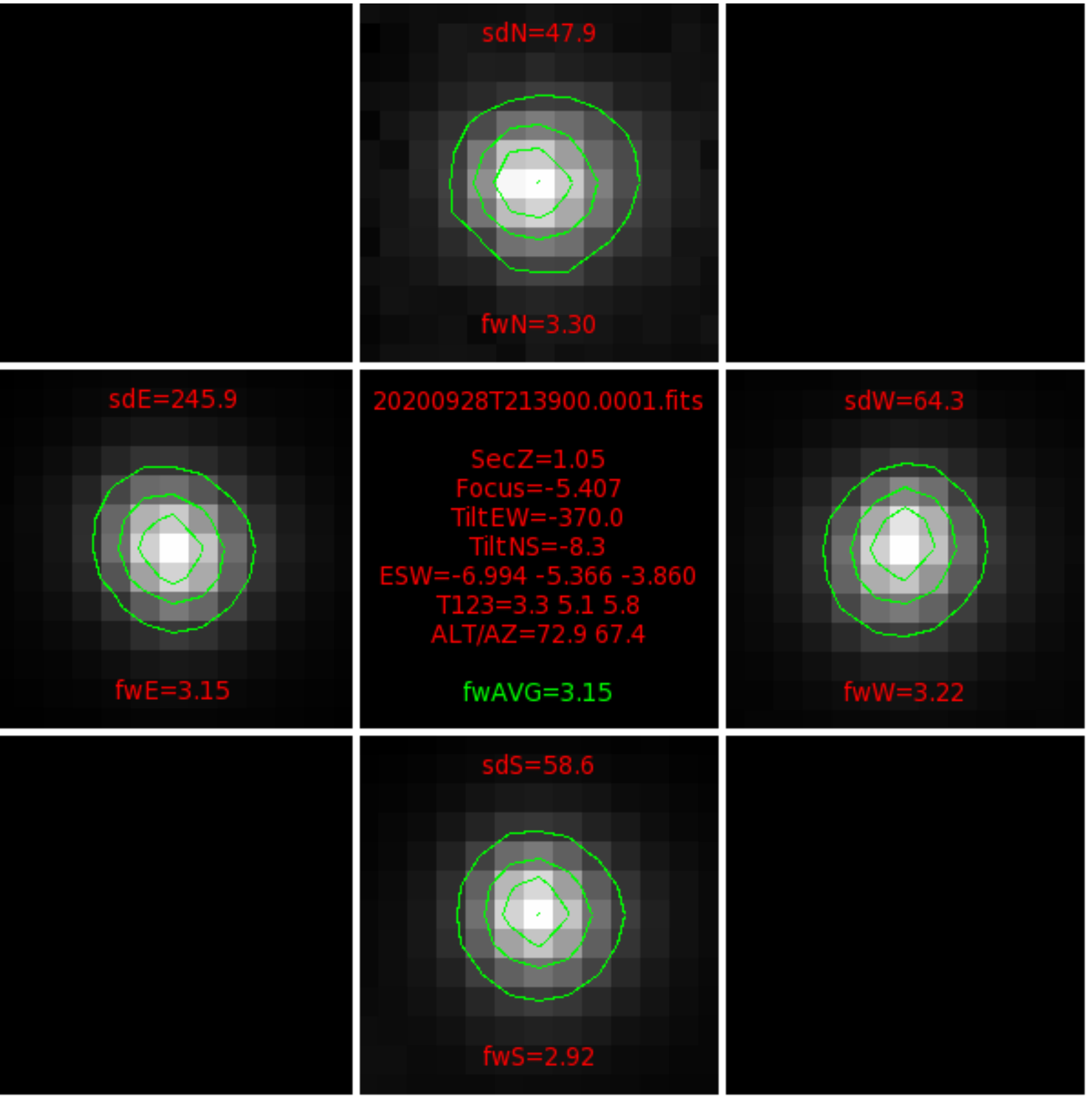
sdN=47.9
fwN=3.30
sdE=245.9
fwE=3.15
20200928T213900.0001.fits
SecZ=1.05
Focus=-5.407
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.994 -5.366 -3.860
T123=3.3 5.1 5.8
ALT/AZ=72.9 67.4
fwAVG=3.15
sdW=64.3
fwW=3.22
sdS=58.6
fwS=2.92
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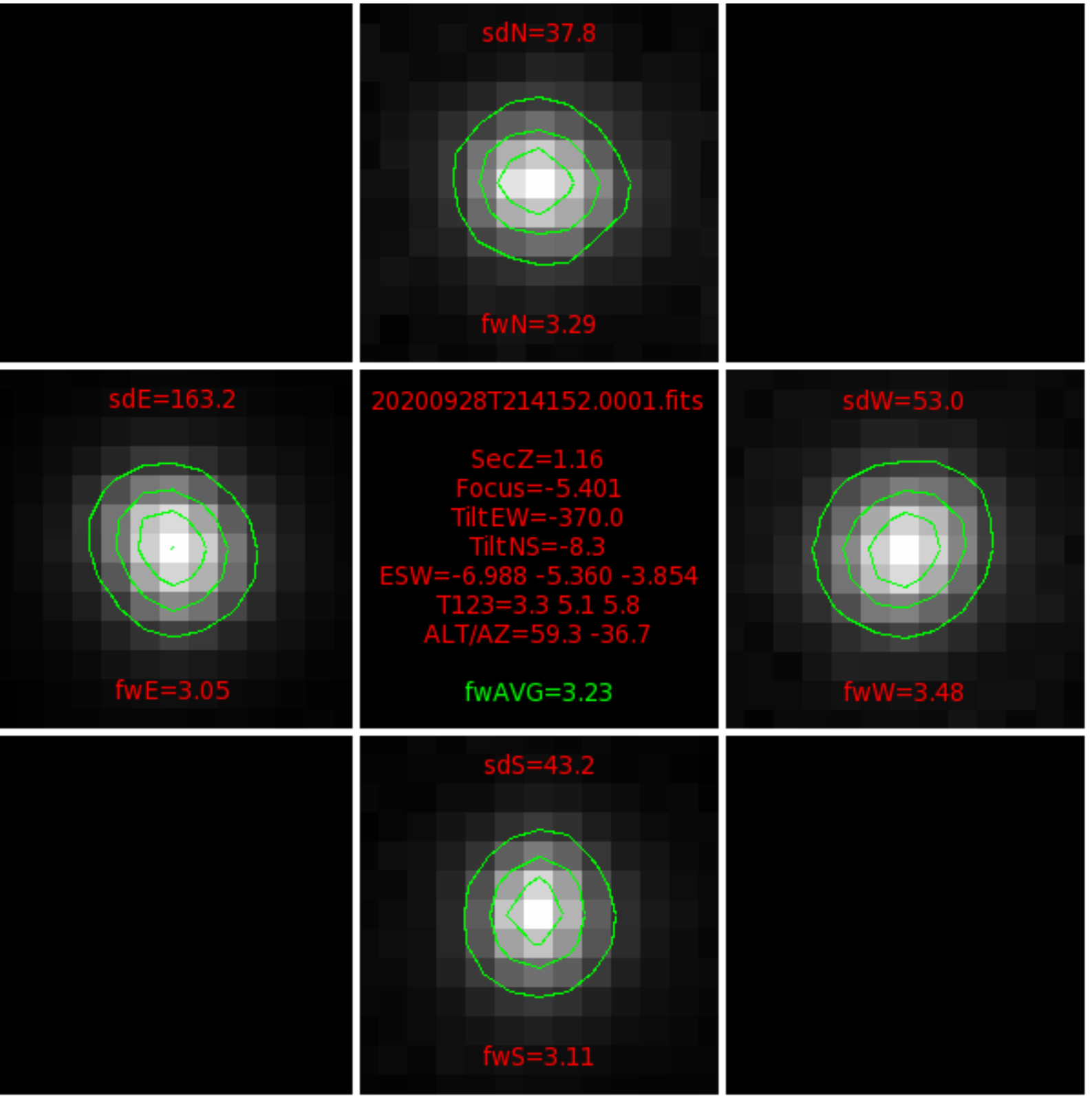
sdN=37.8
fwN=3.29
sdE=163.2
fwE=3.05
20200928T214152.0001.fits
SecZ=1.16
Focus=-5.401
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.988 -5.360 -3.854
T123=3.3 5.1 5.8
ALT/AZ=59.3 -36.7
fwAVG=3.23
sdW=53.0
fwW=3.48
sdS=43.2
fwS=3.11
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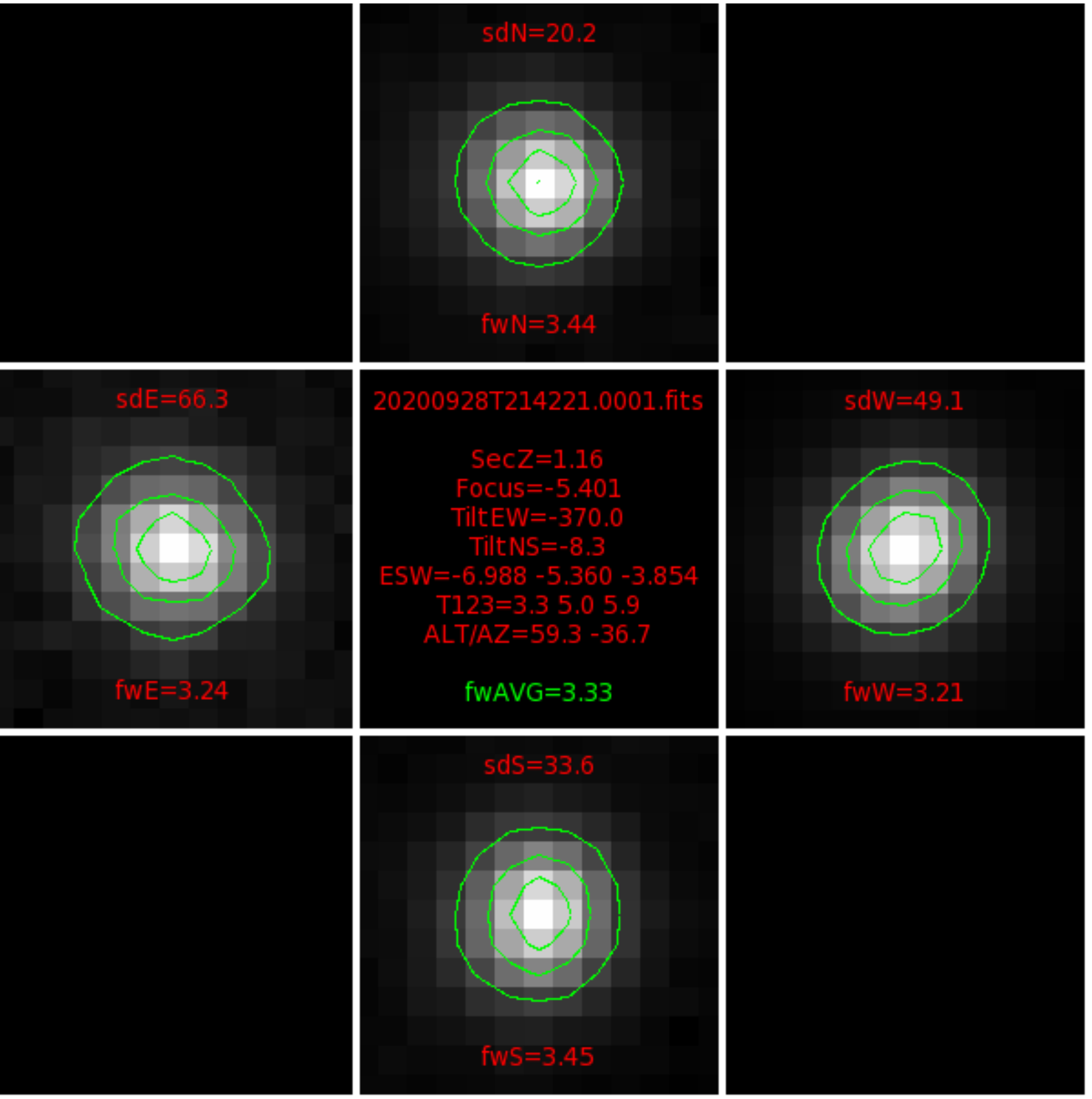
sdN=20.2
fwN=3.44
sdE=66.3
fwE=3.24
20200928T214221.0001.fits
SecZ=1.16
Focus=-5.401
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.988 -5.360 -3.854
T123=3.3 5.0 5.9
ALT/AZ=59.3 -36.7
fwAVG=3.33
sdW=49.1
fwW=3.21
sdS=33.6
fwS=3.45
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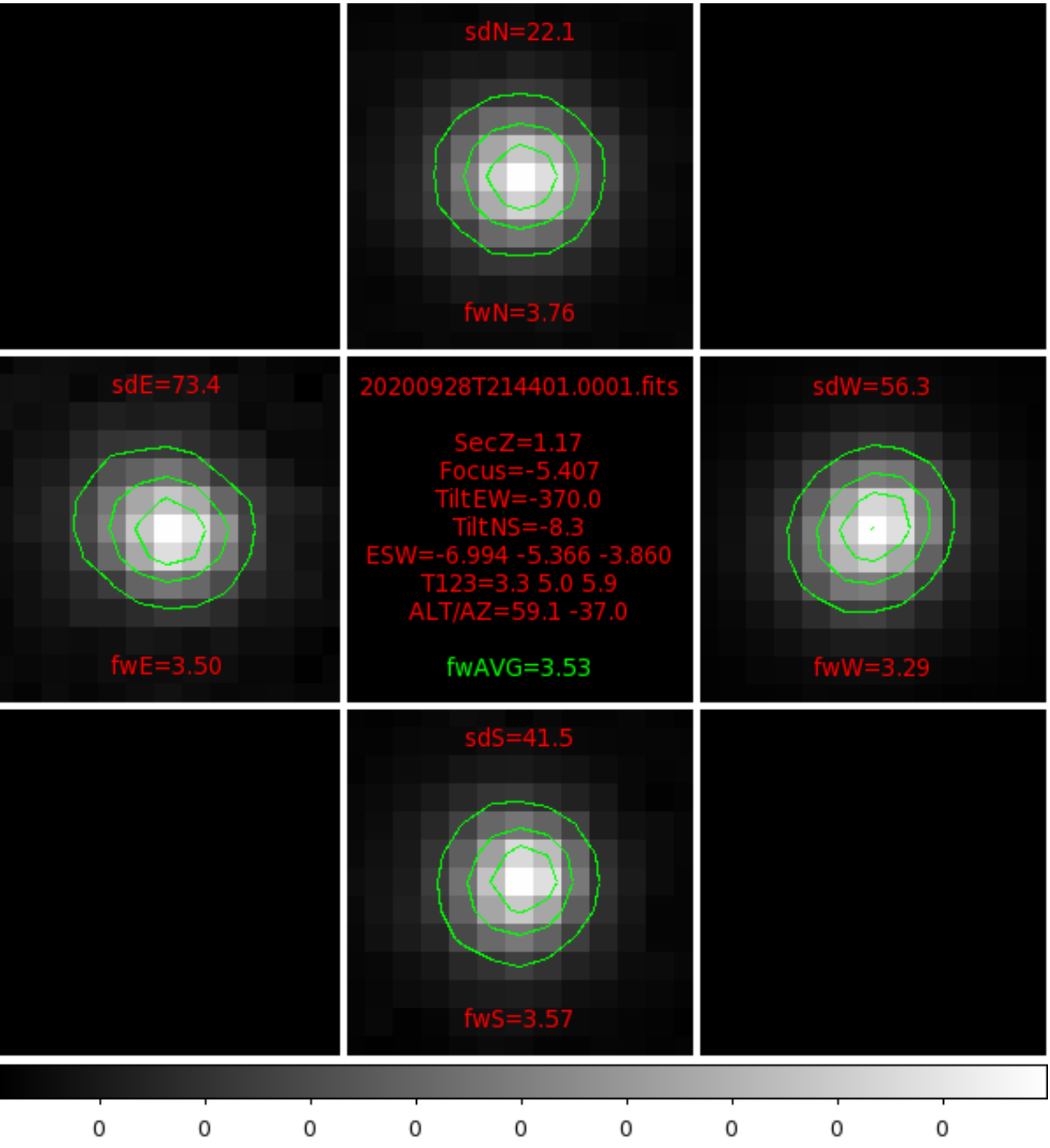
sdN=22.1
fwN=3.76
sdE=73.4
fwE=3.50
20200928T214401.0001.fits
SecZ=1.17
Focus=-5.407
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.994 -5.366 -3.860
T123=3.3 5.0 5.9
ALT/AZ=59.1 -37.0
fwAVG=3.53
sdW=56.3
fwW=3.29
sdS=41.5
fwS=3.57
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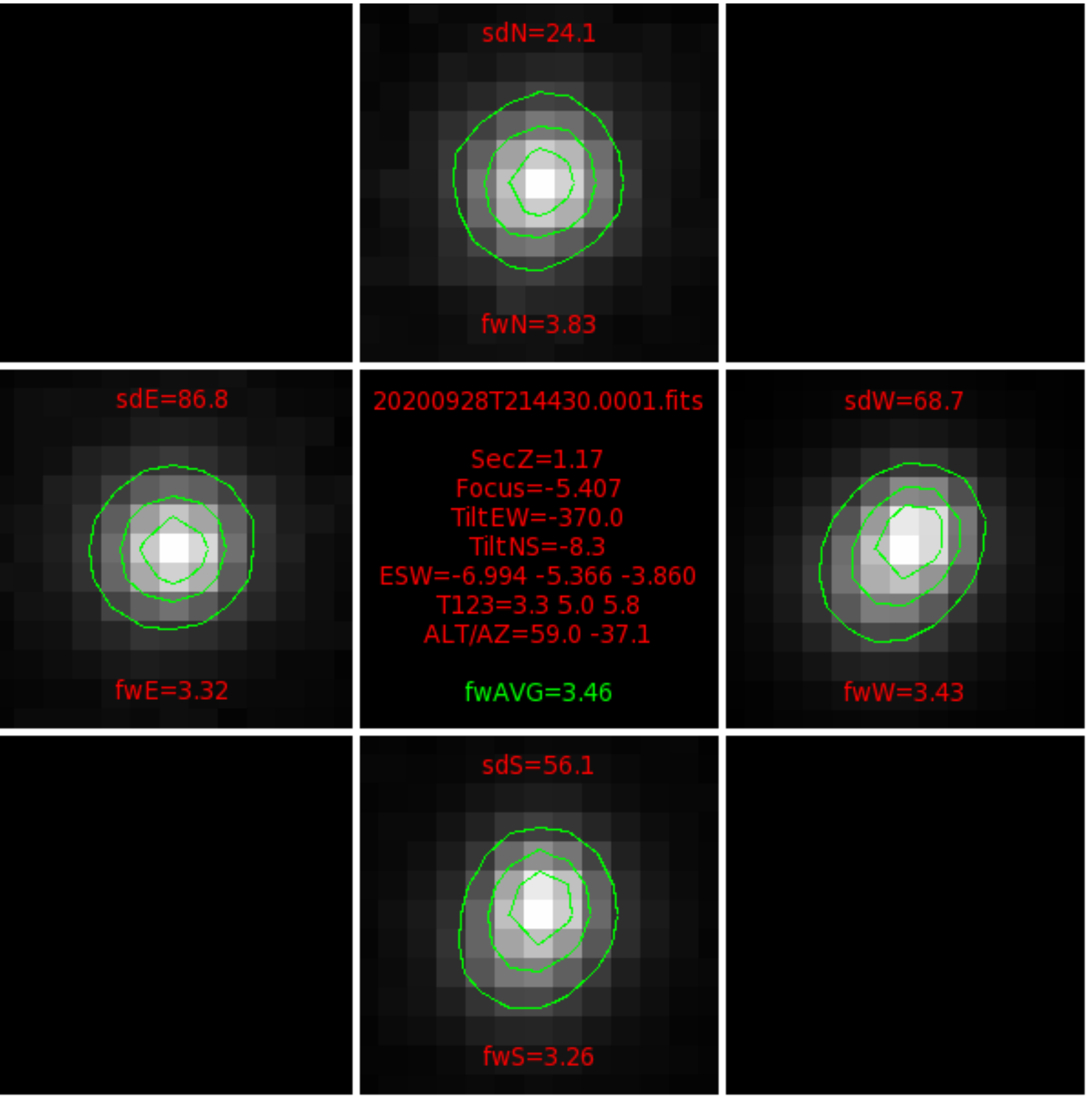
sdN=24.1
fwN=3.83
sdE=86.8
fwE=3.32
20200928T214430.0001.fits
SecZ=1.17
Focus=-5.407
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.994 -5.366 -3.860
T123=3.3 5.0 5.8
ALT/AZ=59.0 -37.1
fwAVG=3.46
sdW=68.7
fwW=3.43
sdS=56.1
fwS=3.26
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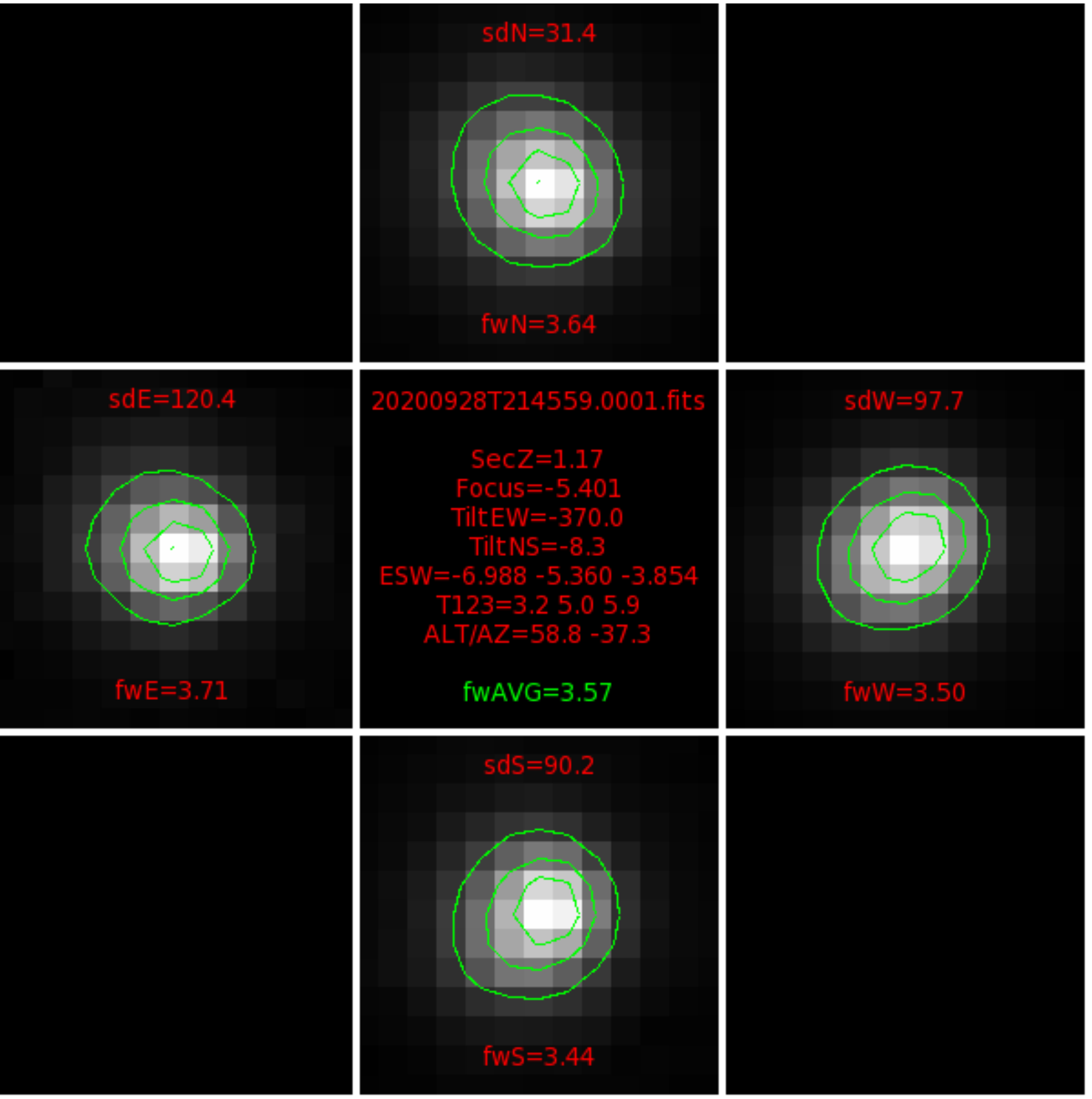
sdN=31.4
fwN=3.64
sdE=120.4
fwE=3.71
20200928T214559.0001.fits
SecZ=1.17
Focus=-5.401
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.988 -5.360 -3.854
T123=3.2 5.0 5.9
ALT/AZ=58.8 -37.3
fwAVG=3.57
sdW=97.7
fwW=3.50
sdS=90.2
fwS=3.44
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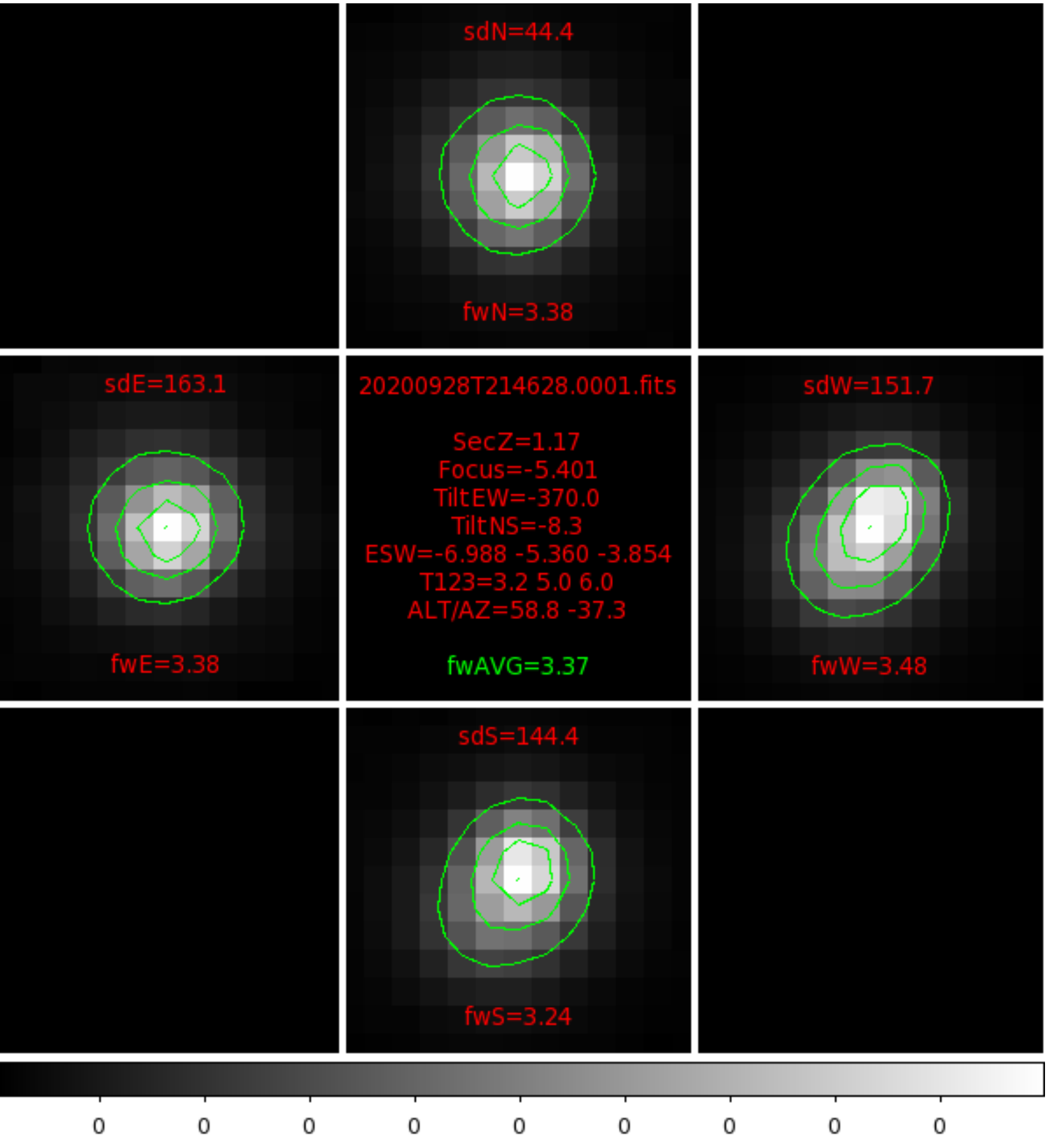
sdN=44.4
fwN=3.38
sdE=163.1
fwE=3.38
20200928T214628.0001.fits
SecZ=1.17
Focus=-5.401
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.988 -5.360 -3.854
T123=3.2 5.0 6.0
ALT/AZ=58.8 -37.3
fwAVG=3.37
sdW=151.7
fwW=3.48
sdS=144.4
fwS=3.24
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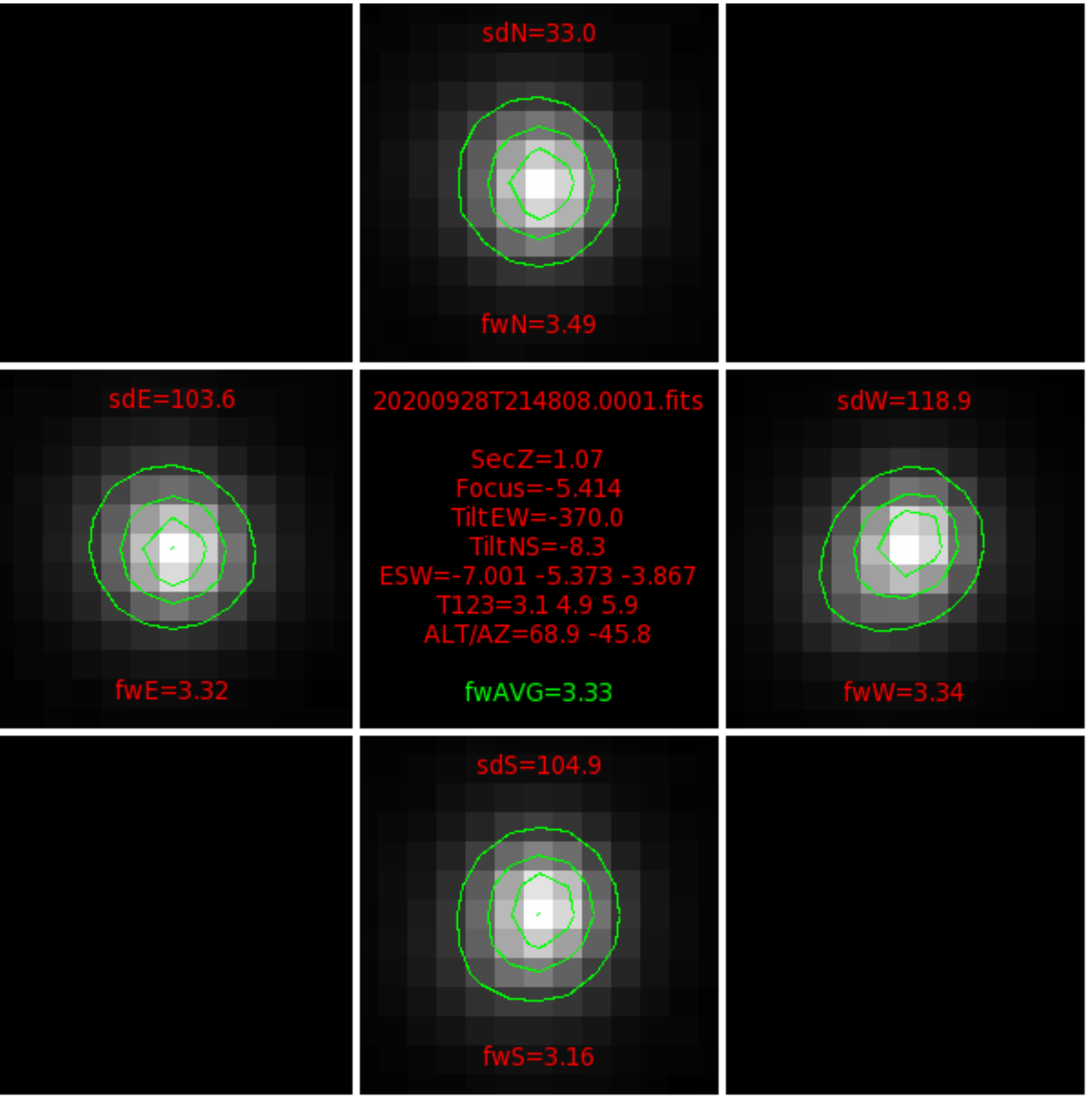
sdN=33.0
fwN=3.49
sdE=103.6
fwE=3.32
20200928T214808.0001.fits
SecZ=1.07
Focus=-5.414
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.001 -5.373 -3.867
T123=3.1 4.9 5.9
ALT/AZ=68.9 -45.8
fwAVG=3.33
sdW=118.9
fwW=3.34
sdS=104.9
fwS=3.16
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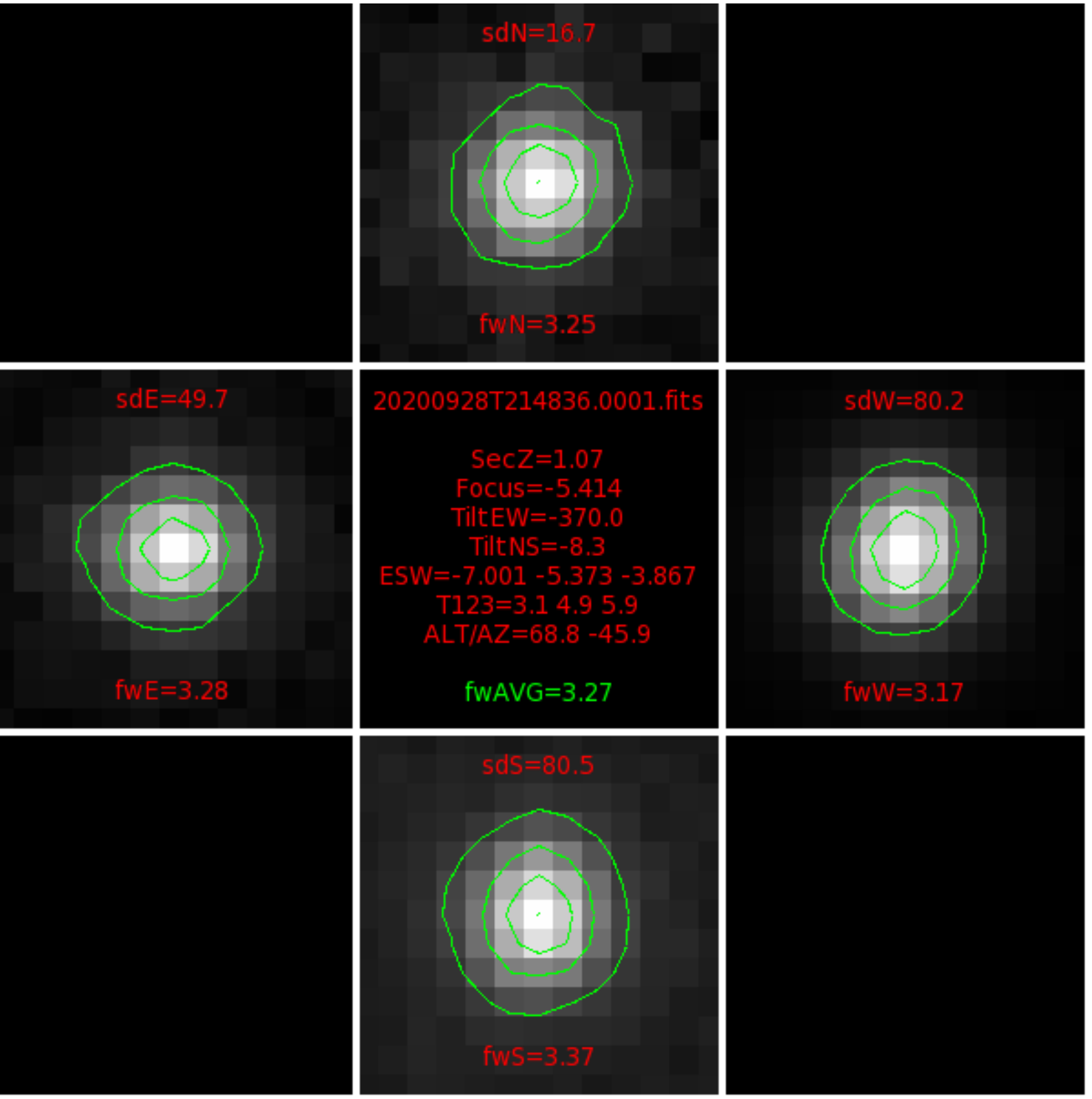
sdN=16.7
fwN=3.25
sdE=49.7
fwE=3.28
20200928T214836.0001.fits
SecZ=1.07
Focus=-5.414
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.001 -5.373 -3.867
T123=3.1 4.9 5.9
ALT/AZ=68.8 -45.9
fwAVG=3.27
sdW=80.2
fwW=3.17
sdS=80.5
fwS=3.37
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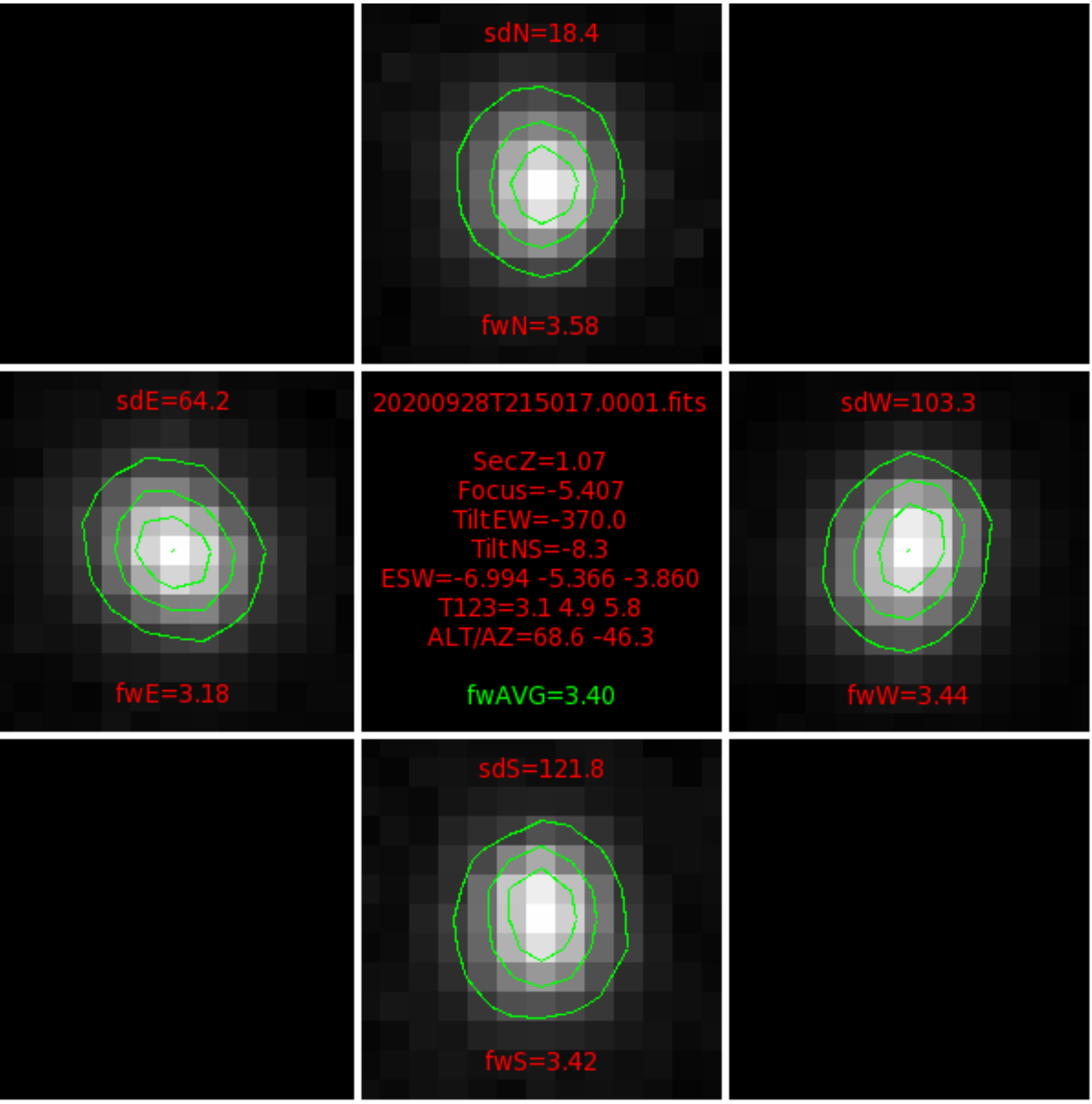
sdN=18.4
fwN=3.58
sdE=64.2
fwE=3.18
20200928T215017.0001.fits
SecZ=1.07
Focus=-5.407
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.994 -5.366 -3.860
T123=3.1 4.9 5.8
ALT/AZ=68.6 -46.3
fwAVG=3.40
sdW=103.3
fwW=3.44
sdS=121.8
fwS=3.42
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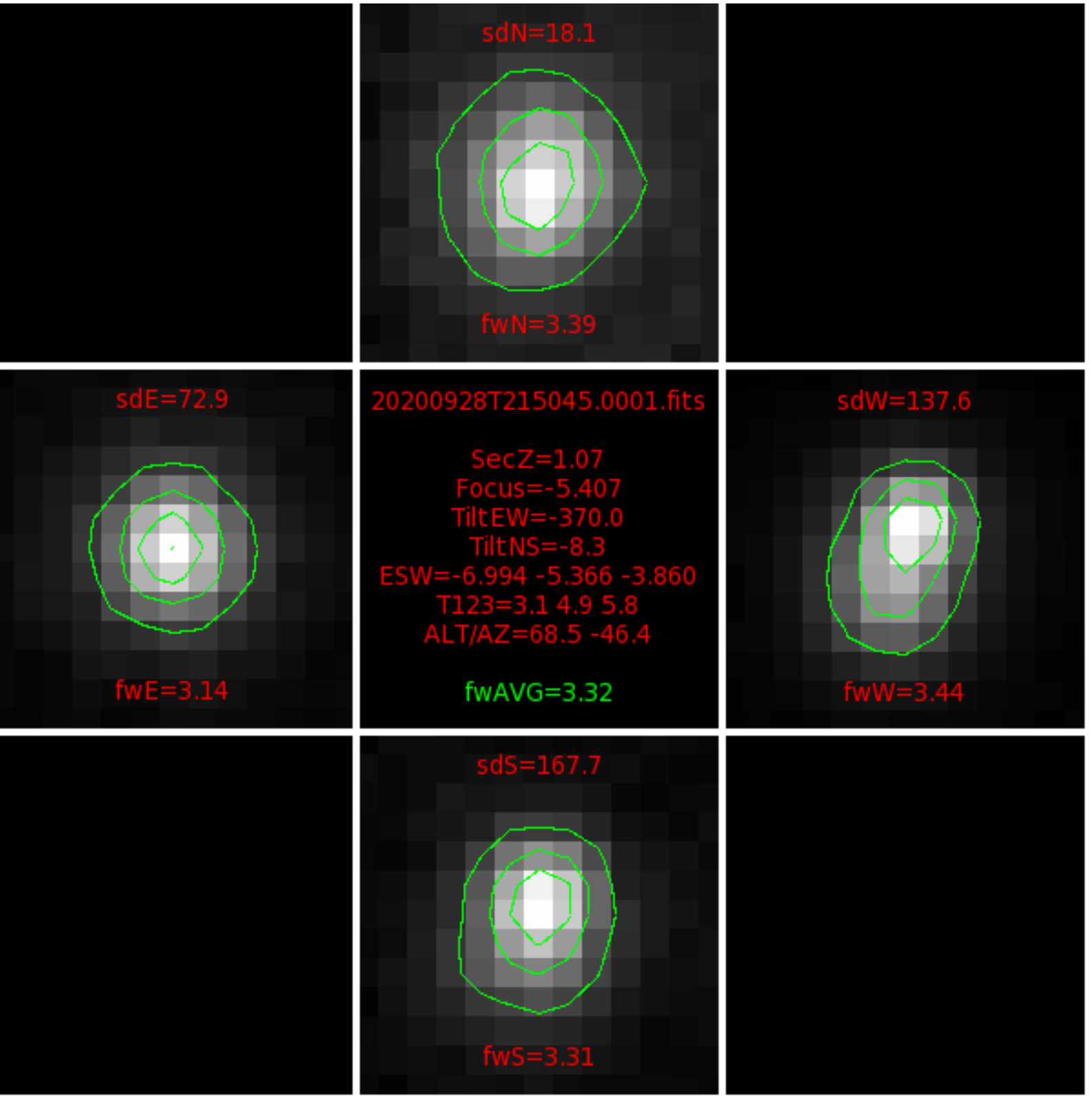
sdN=18.1
fwN=3.39
sdE=72.9
fwE=3.14
20200928T215045.0001.fits
SecZ=1.07
Focus=-5.407
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.994 -5.366 -3.860
T123=3.1 4.9 5.8
ALT/AZ=68.5 -46.4
fwAVG=3.32
sdW=137.6
fwW=3.44
sdS=167.7
fwS=3.31
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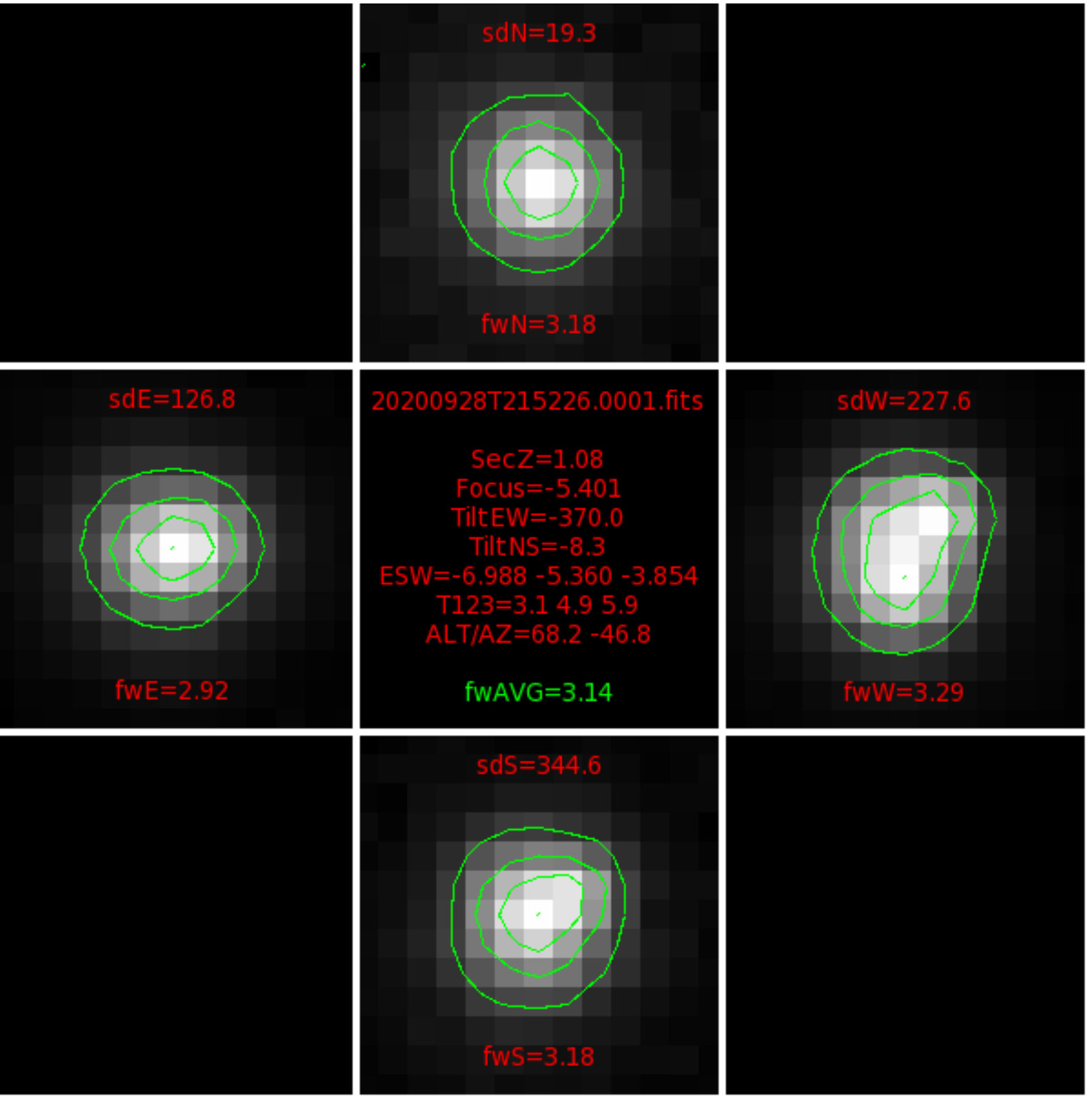
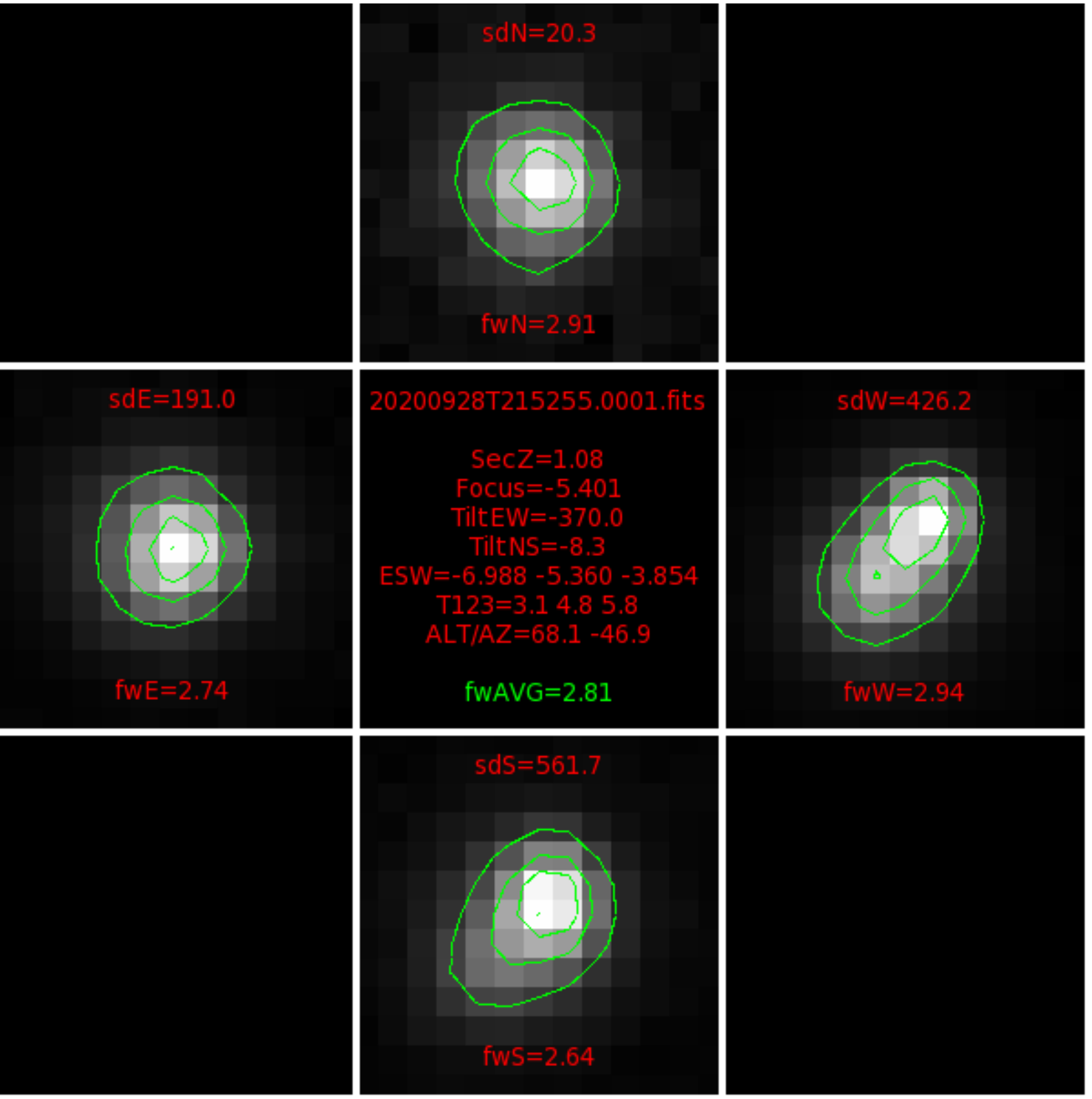

sdN=19.3
fwN=3.18
sdE=126.8
fwE=2.92
20200928T215226.0001.fits
SecZ=1.08
Focus=-5.401
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.988 -5.360 -3.854
T123=3.1 4.9 5.9
ALT/AZ=68.2 -46.8
fwAVG=3.14
sdW=227.6
fwW=3.29
sdS=344.6
fwS=3.18
0 0 0 0 0 0 0 0 0


sdN=20.3
fwN=2.91
sdE=191.0
fwE=2.74
20200928T215255.0001.fits
SecZ=1.08
Focus=-5.401
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.988 -5.360 -3.854
T123=3.1 4.8 5.8
ALT/AZ=68.1 -46.9
fwAVG=2.81
sdW=426.2
fwW=2.94
sdS=561.7
fwS=2.64
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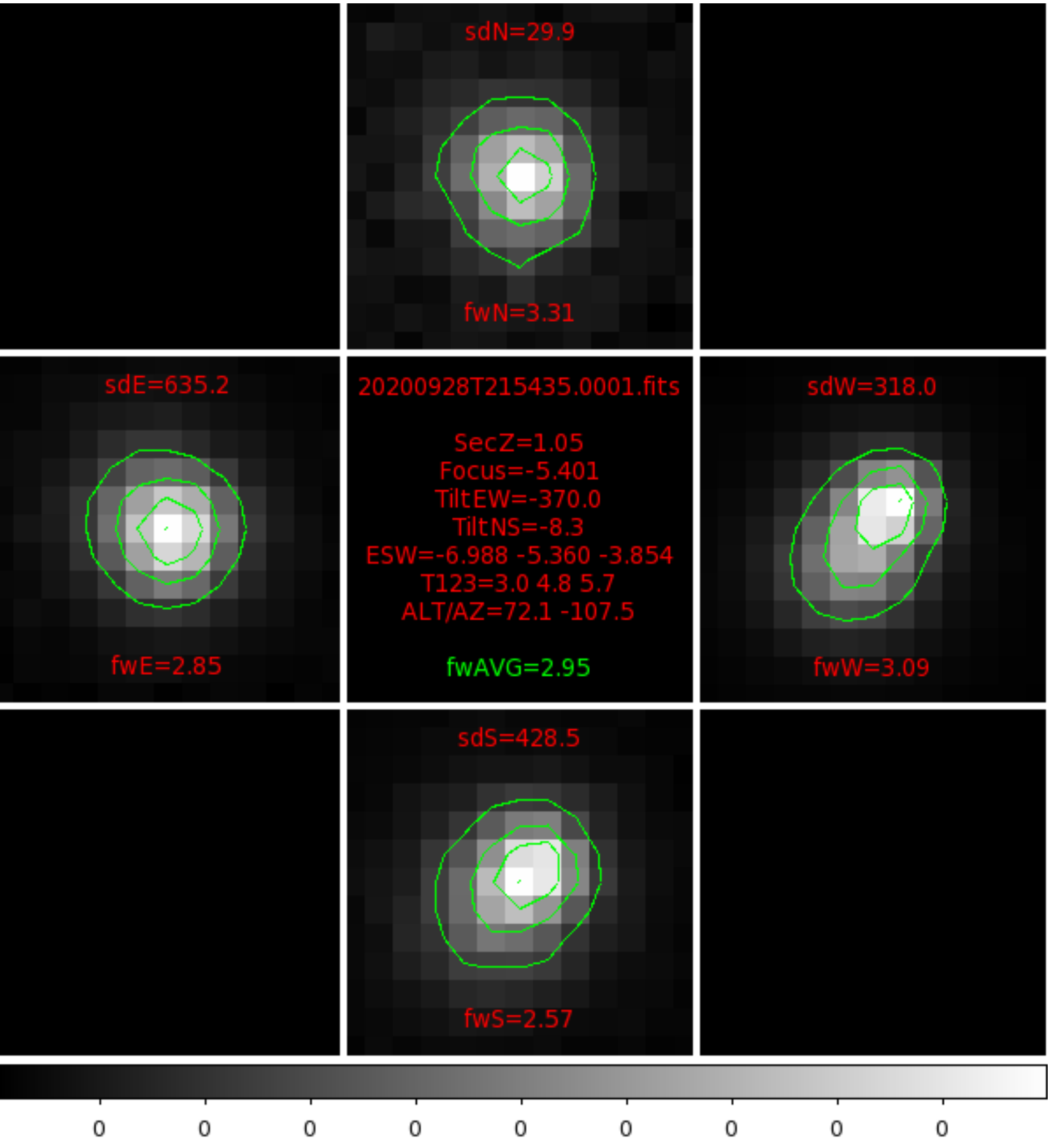
sdN=29.9
fwN=3.31
sdE=635.2
fwE=2.85
20200928T215435.0001.fits
SecZ=1.05
Focus=-5.401
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.988 -5.360 -3.854
T123=3.0 4.8 5.7
ALT/AZ=72.1 -107.5
fwAVG=2.95
sdW=318.0
fwW=3.09
sdS=428.5
fwS=2.57
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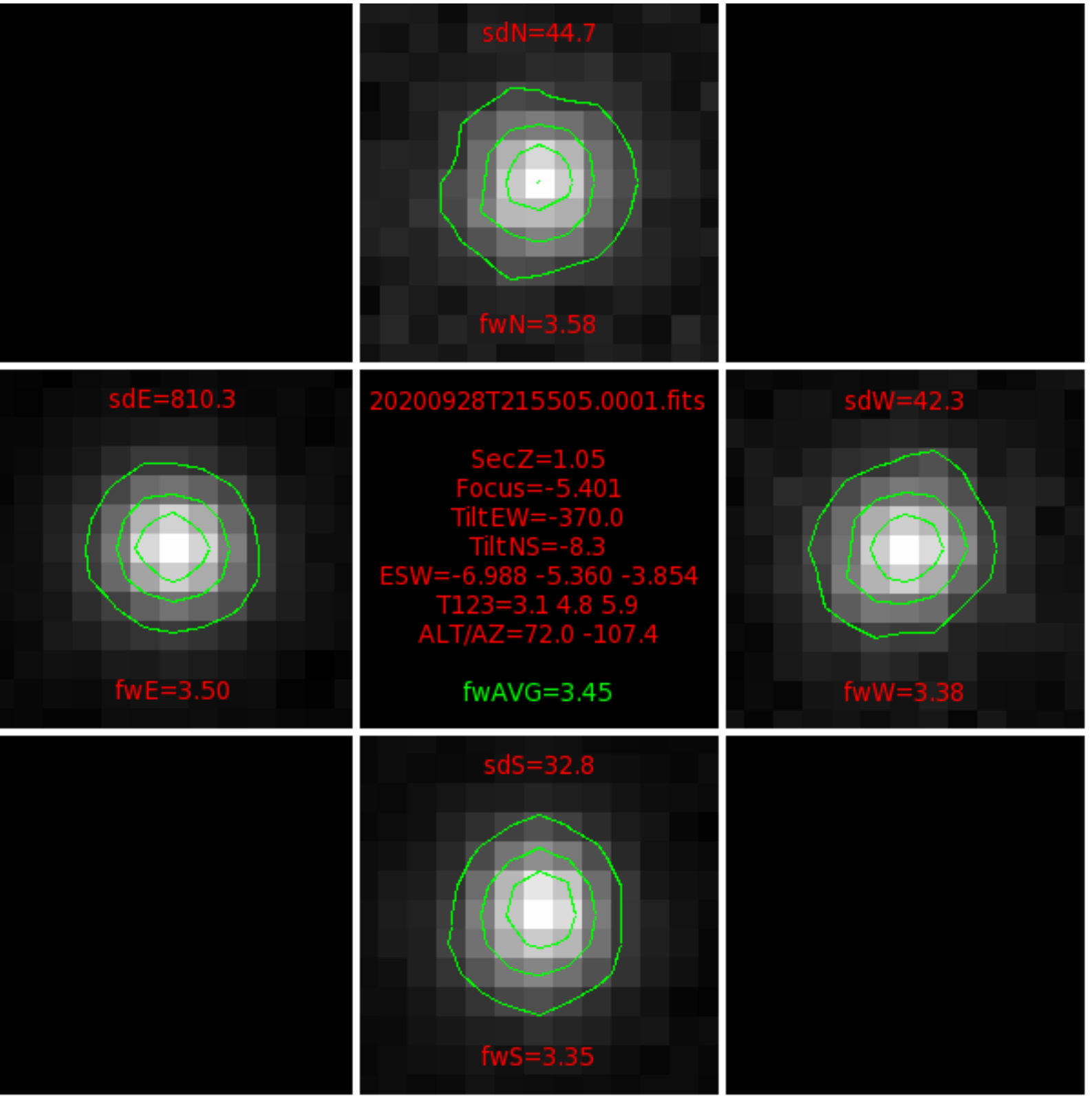
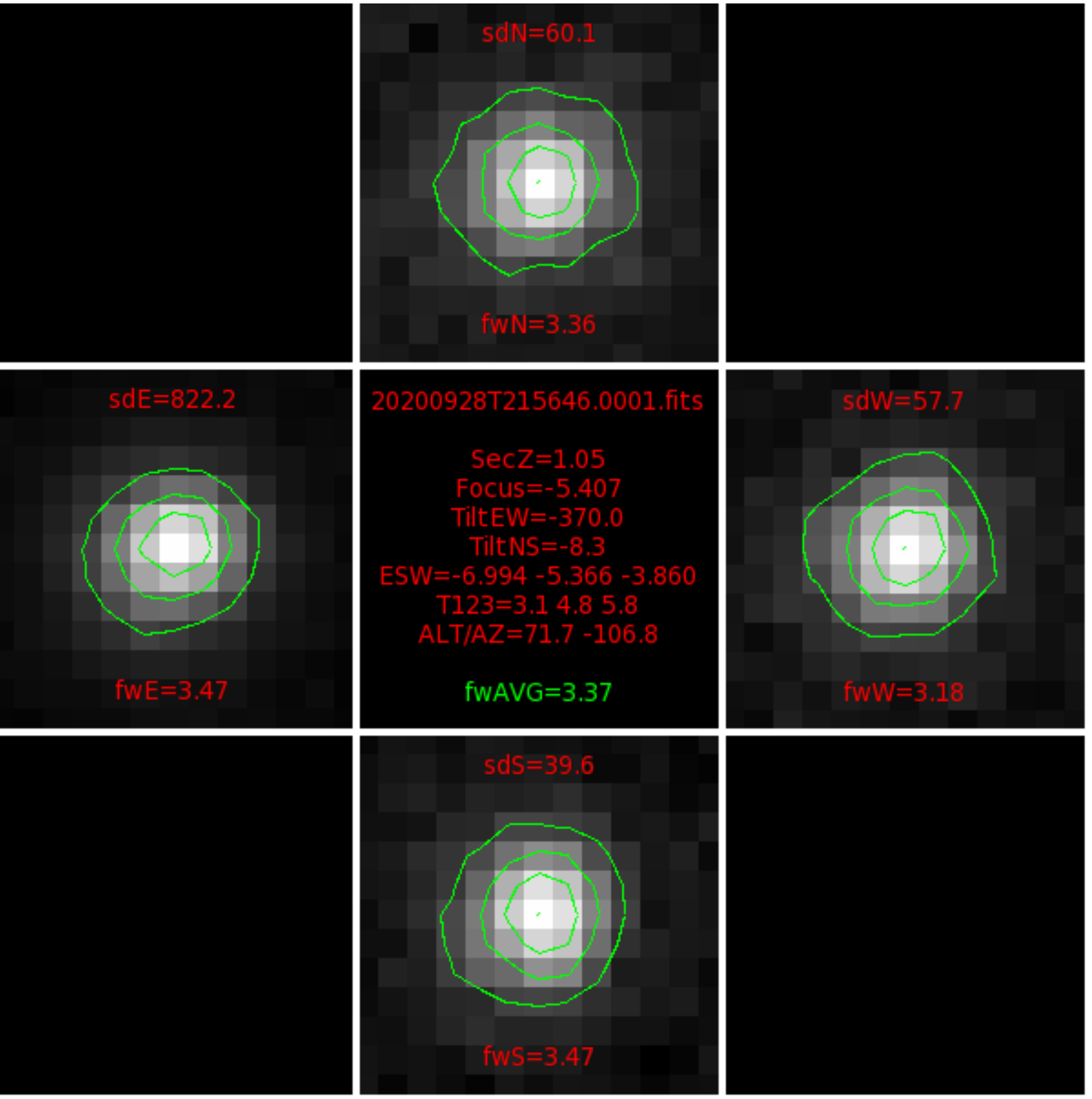

sdN=44.7
fwN=3.58
sdE=810.3
fwE=3.50
20200928T215505.0001.fits
SecZ=1.05
Focus=-5.401
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.988 -5.360 -3.854
T123=3.1 4.8 5.9
ALT/AZ=72.0 -107.4
fwAVG=3.45
sdW=42.3
fwW=3.38
sdS=32.8
fwS=3.35
0 0 0 0 0 0 0 0 0


sdN=60.1
fwN=3.36
sdE=822.2
fwE=3.47
20200928T215646.0001.fits
SecZ=1.05
Focus=-5.407
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.994 -5.366 -3.860
T123=3.1 4.8 5.8
ALT/AZ=71.7 -106.8
fwAVG=3.37
sdW=57.7
fwW=3.18
sdS=39.6
fwS=3.47
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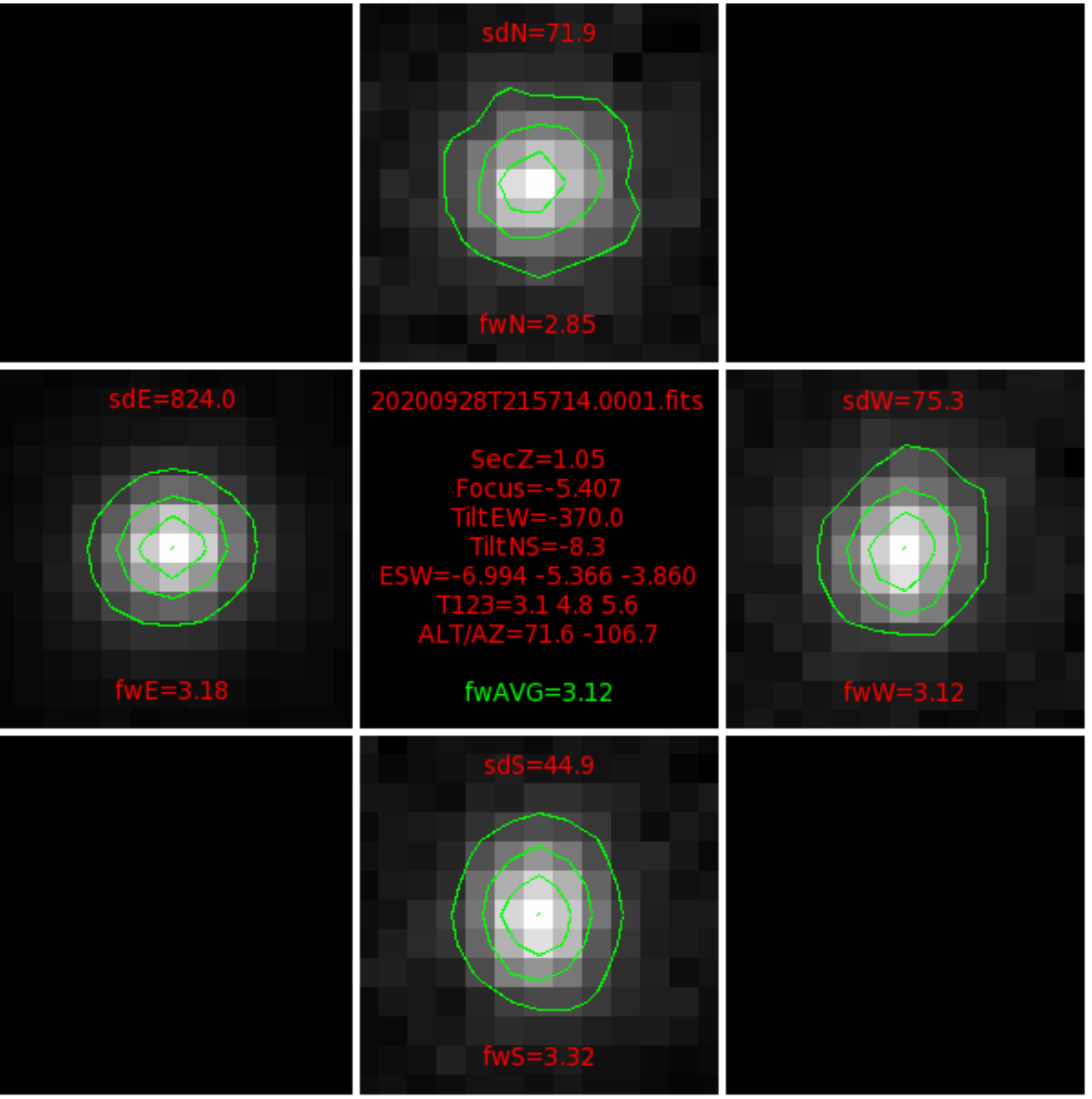
sdN=71.9
fwN=2.85
sdE=824.0
fwE=3.18
20200928T215714.0001.fits
SecZ=1.05
Focus=-5.407
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.994 -5.366 -3.860
T123=3.1 4.8 5.6
ALT/AZ=71.6 -106.7
fwAVG=3.12
sdW=75.3
fwW=3.12
sdS=44.9
fwS=3.32
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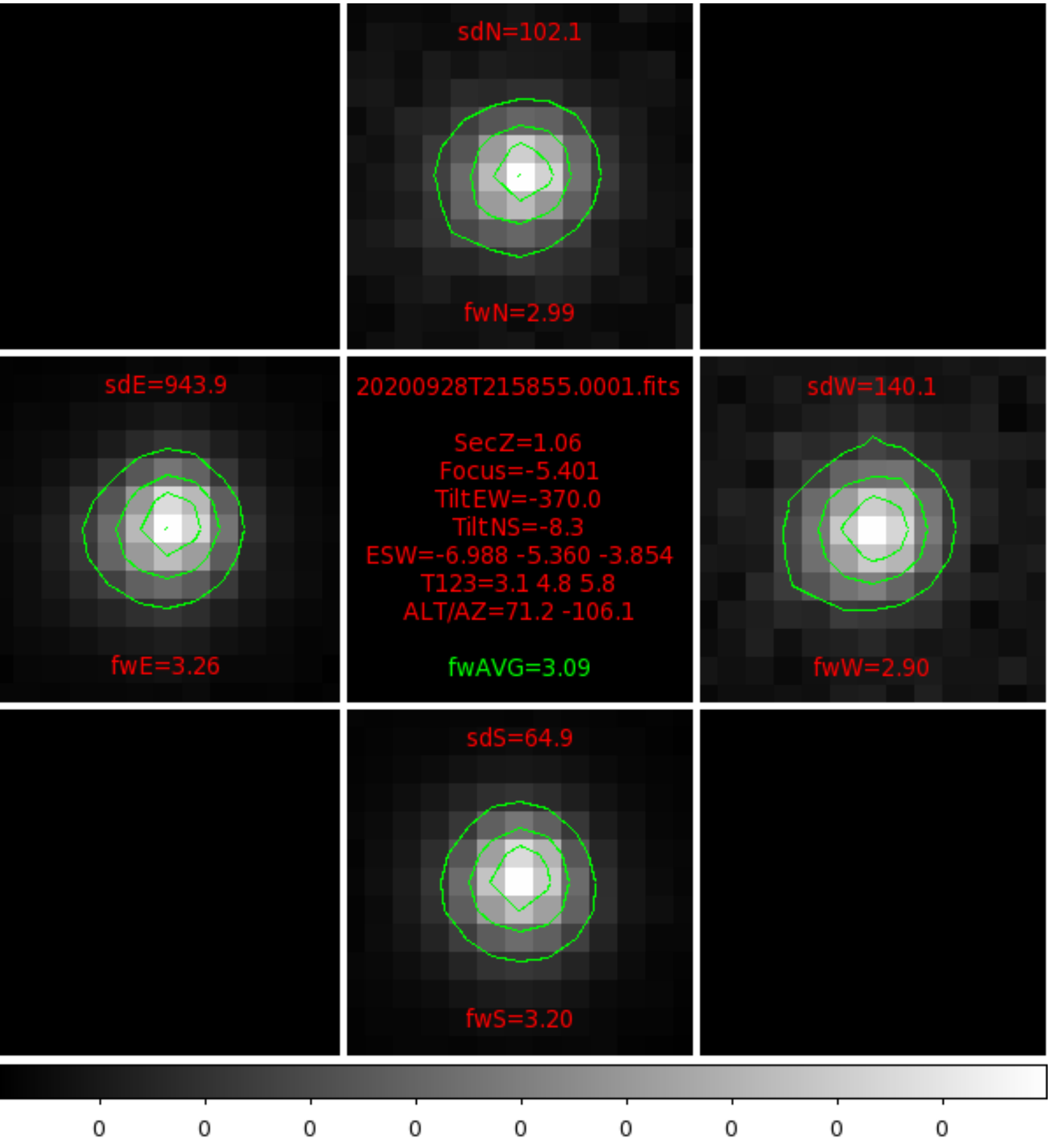
sdN=102.1
fwN=2.99
sdE=943.9
fwE=3.26
20200928T215855.0001.fits
SecZ=1.06
Focus=-5.401
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.988 -5.360 -3.854
T123=3.1 4.8 5.8
ALT/AZ=71.2 -106.1
fwAVG=3.09
sdW=140.1
fwW=2.90
sdS=64.9
fwS=3.20
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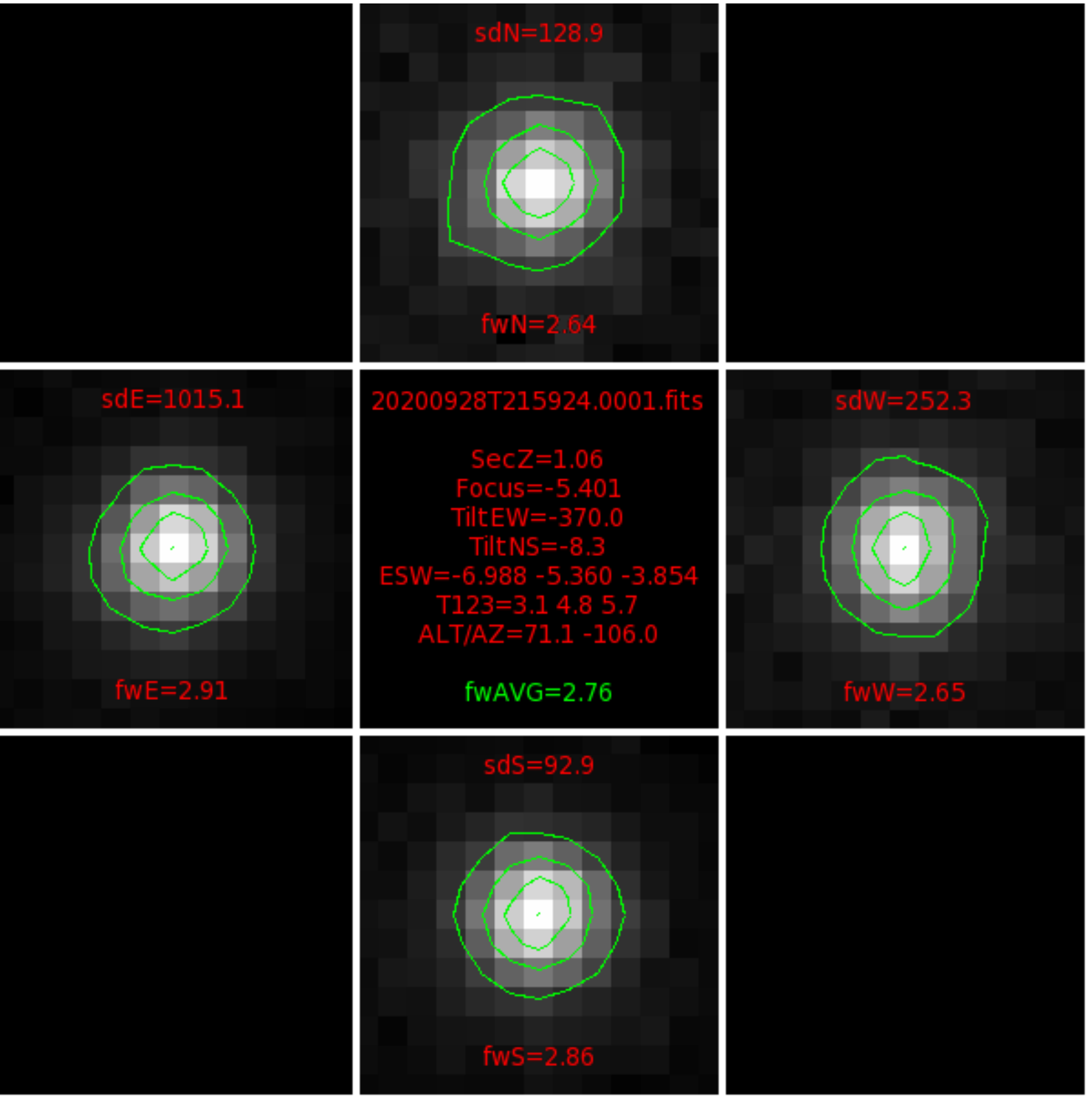
sdN=128.9
fwN=2.64
sdE=1015.1
fwE=2.91
20200928T215924.0001.fits
SecZ=1.06
Focus=-5.401
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.988 -5.360 -3.854
T123=3.1 4.8 5.7
ALT/AZ=71.1 -106.0
fwAVG=2.76
sdW=252.3
fwW=2.65
sdS=92.9
fwS=2.86
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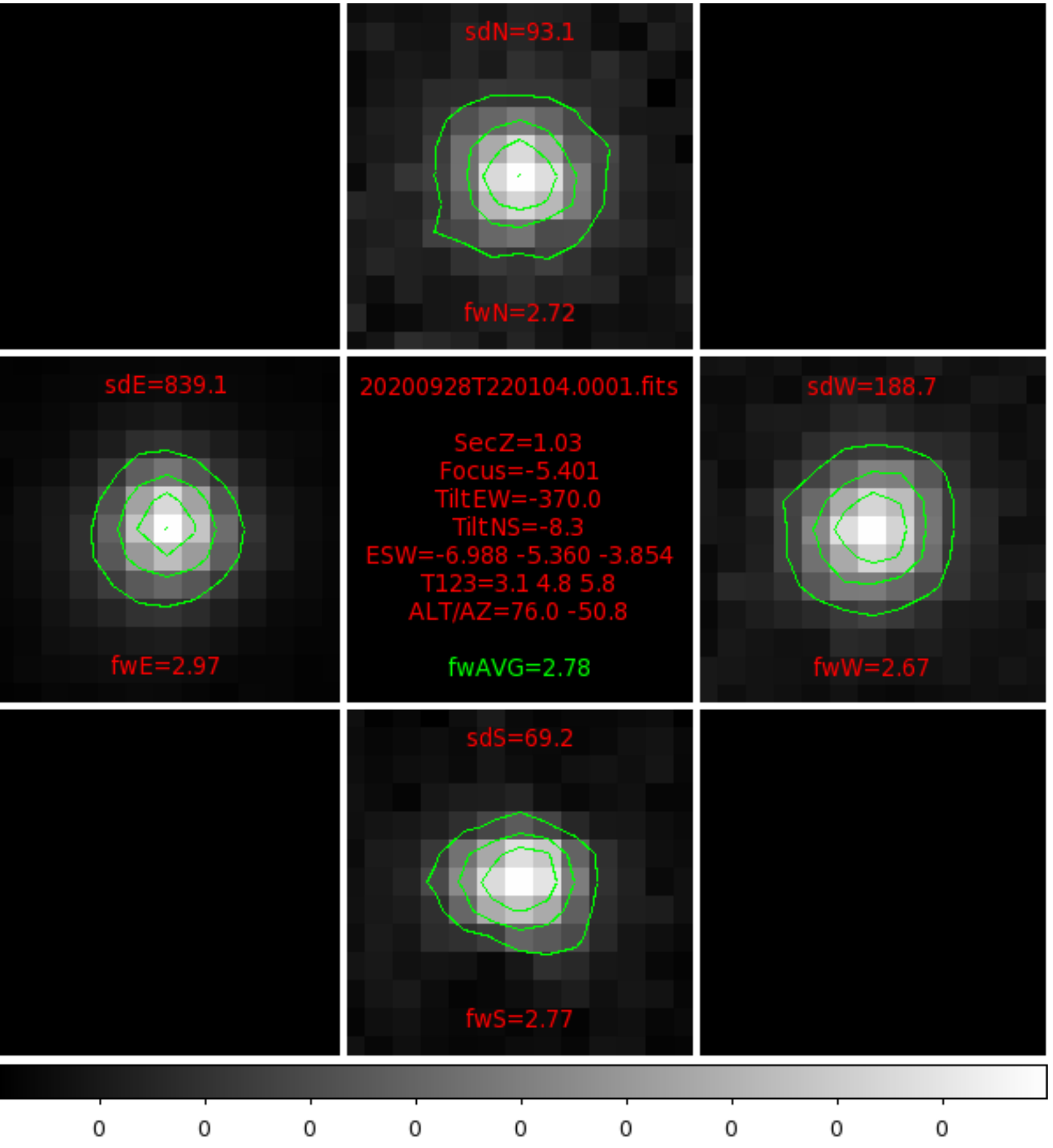
sdN=93.1
fwN=2.72
sdE=839.1
fwE=2.97
20200928T220104.0001.fits
SecZ=1.03
Focus=-5.401
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.988 -5.360 -3.854
T123=3.1 4.8 5.8
ALT/AZ=76.0 -50.8
fwAVG=2.78
sdW=188.7
fwW=2.67
sdS=69.2
fwS=2.77
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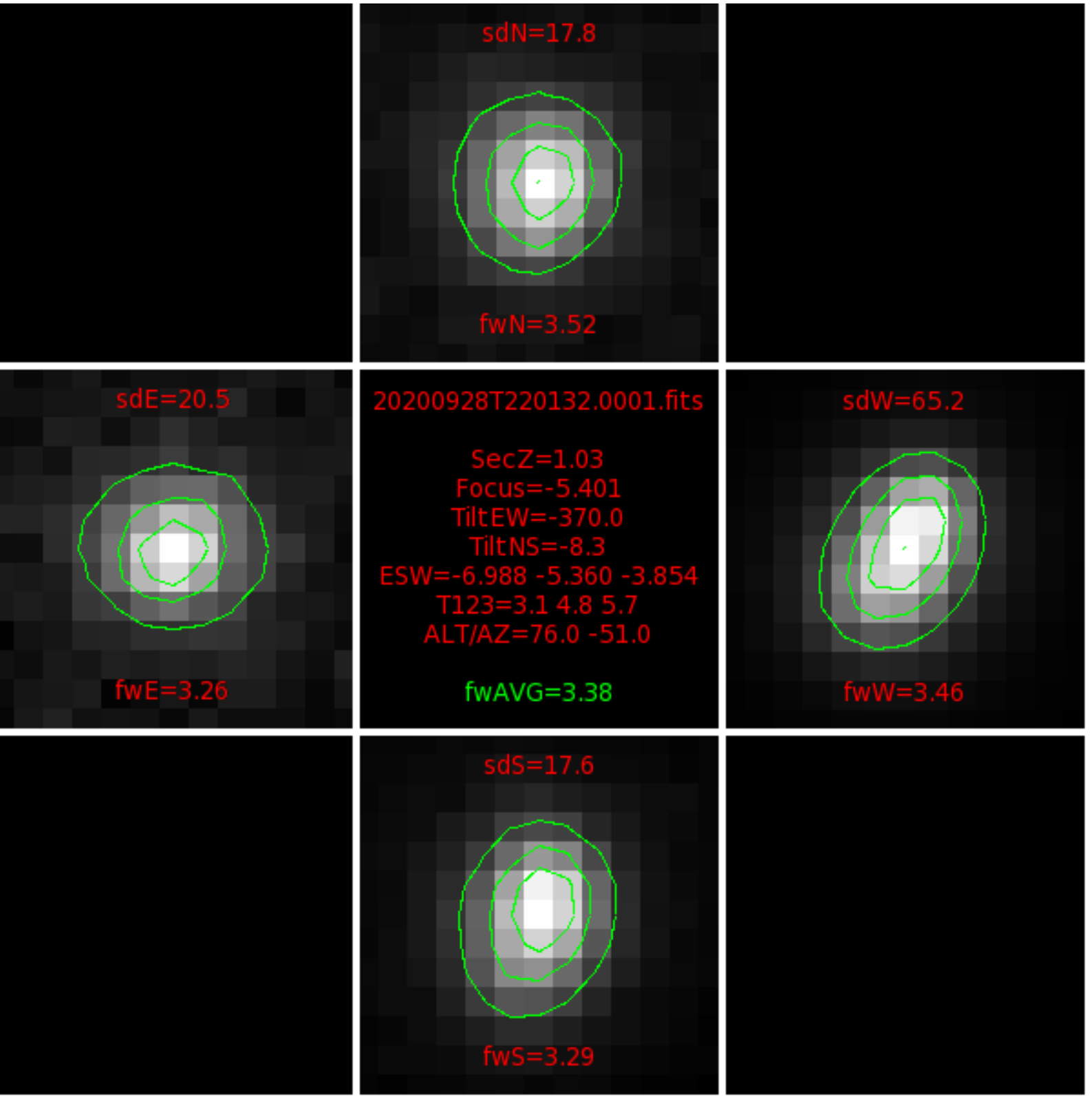
sdN=17.8
fwN=3.52
sdE=20.5
fwE=3.26
20200928T220132.0001.fits
SecZ=1.03
Focus=-5.401
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.988 -5.360 -3.854
T123=3.1 4.8 5.7
ALT/AZ=76.0 -51.0
fwAVG=3.38
sdW=65.2
fwW=3.46
sdS=17.6
fwS=3.29
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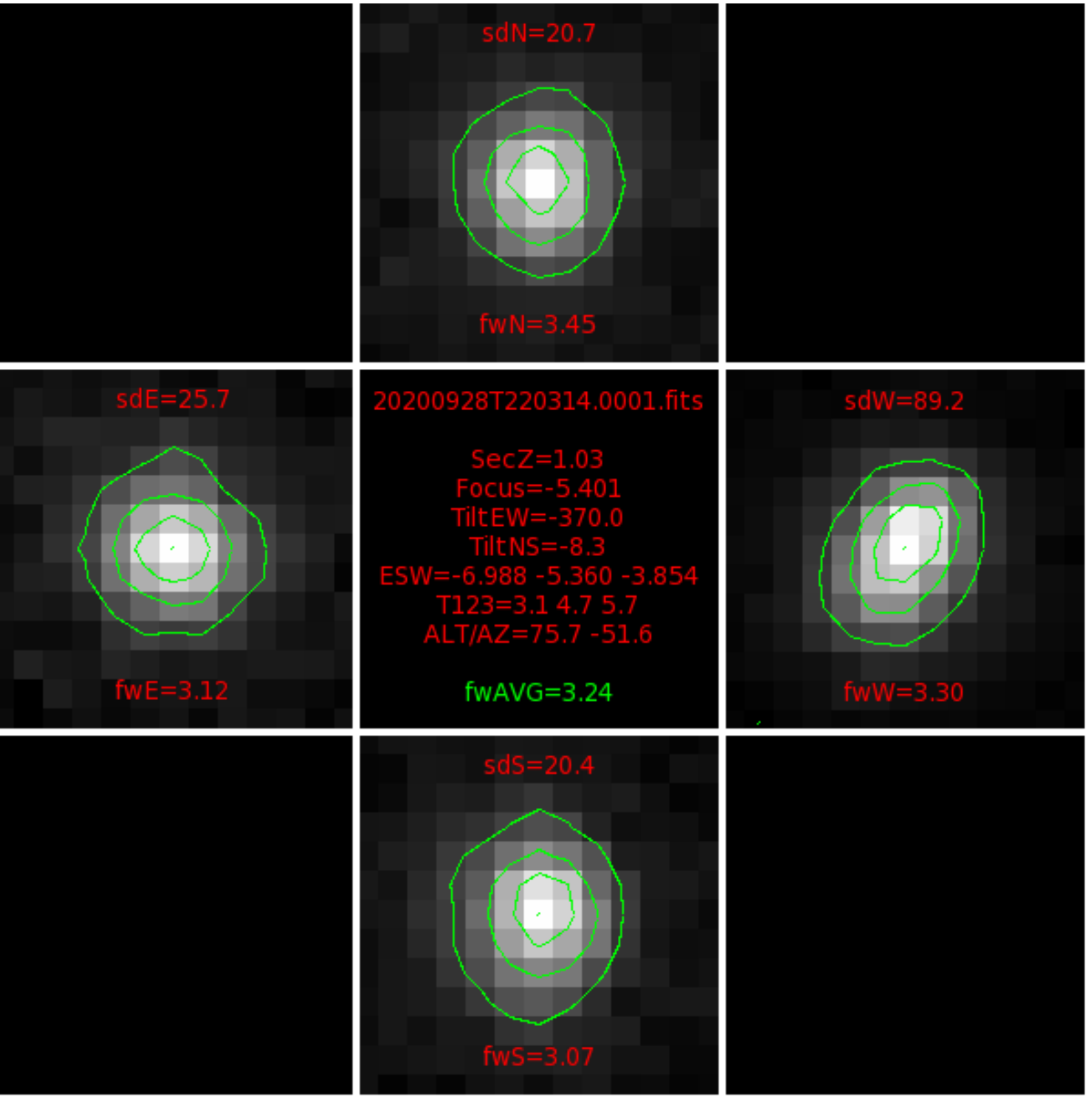
sdN=20.7
fwN=3.45
sdE=25.7
fwE=3.12
20200928T220314.0001.fits
SecZ=1.03
Focus=-5.401
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.988 -5.360 -3.854
T123=3.1 4.7 5.7
ALT/AZ=75.7 -51.6
fwAVG=3.24
sdW=89.2
fwW=3.30
sdS=20.4
fwS=3.07
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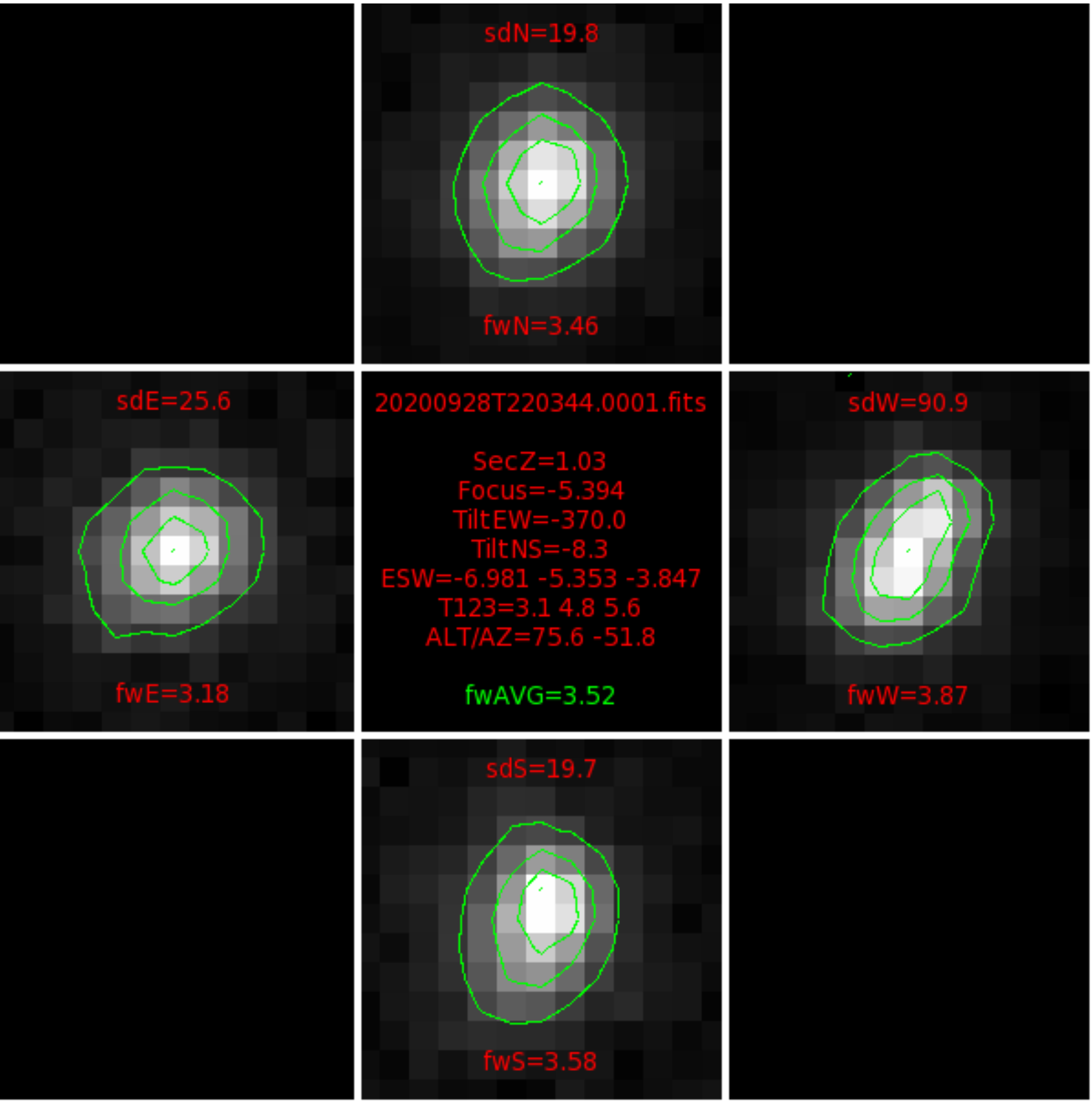
sdN=19.8
fwN=3.46
sdE=25.6
fwE=3.18
20200928T220344.0001.fits
SecZ=1.03
Focus=-5.394
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.981 -5.353 -3.847
T123=3.1 4.8 5.6
ALT/AZ=75.6 -51.8
fwAVG=3.52
sdW=90.9
fwW=3.87
sdS=19.7
fwS=3.58
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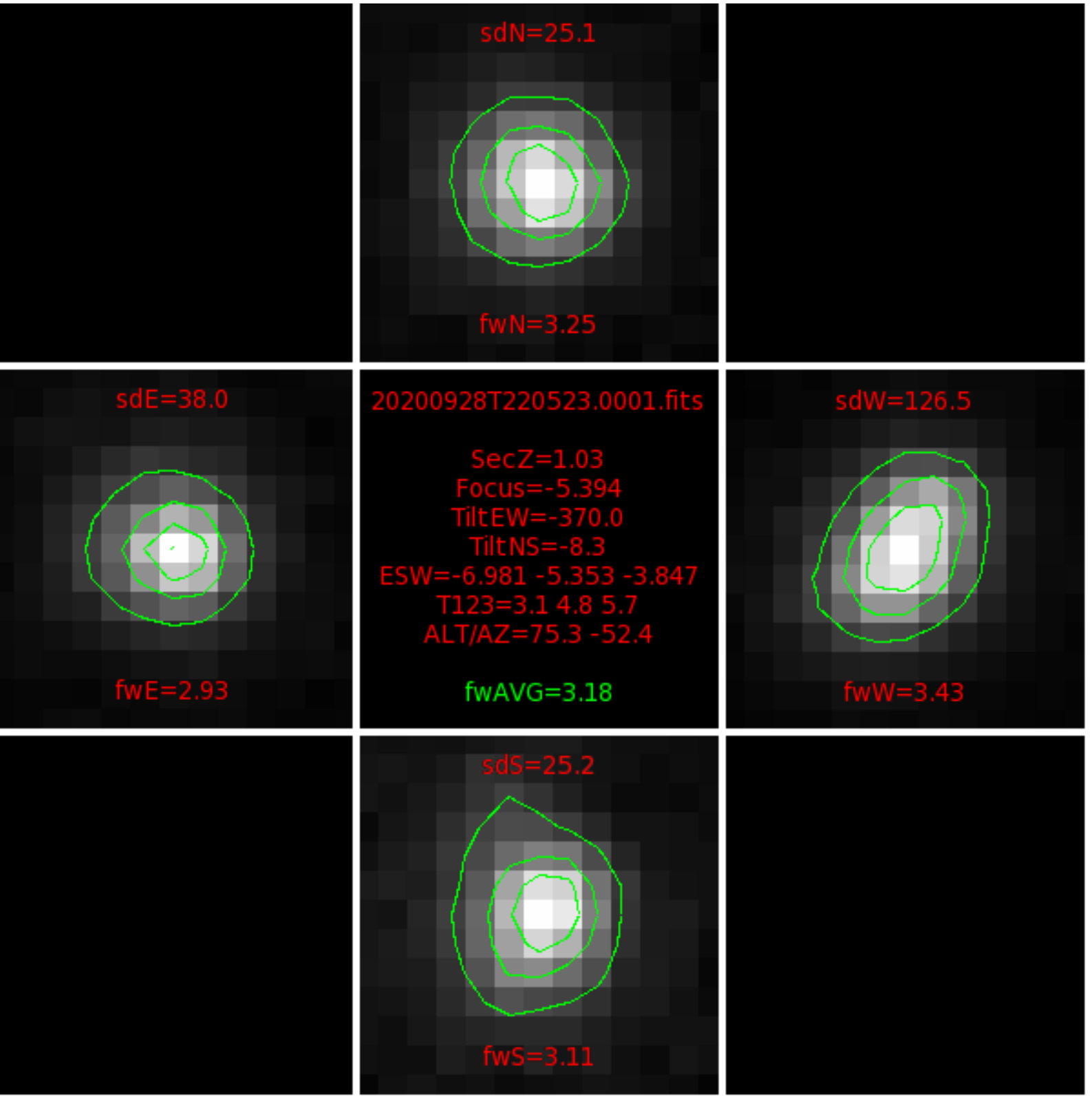
sdN=25.1
fwN=3.25
sdE=38.0
fwE=2.93
20200928T220523.0001.fits
SecZ=1.03
Focus=-5.394
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.981 -5.353 -3.847
T123=3.1 4.8 5.7
ALT/AZ=75.3 -52.4
fwAVG=3.18
sdW=126.5
fwW=3.43
sdS=25.2
fwS=3.11
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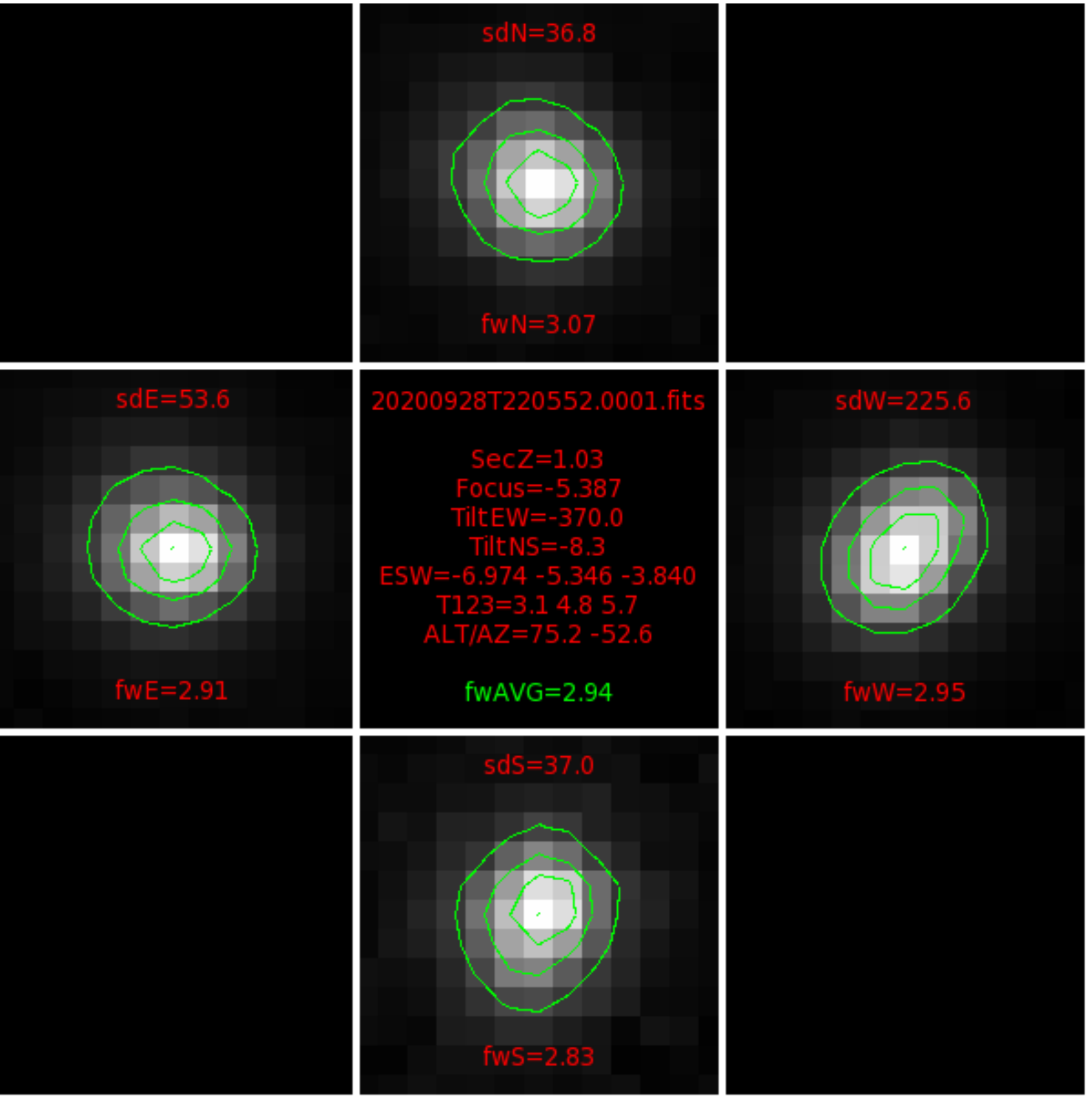
sdN=36.8
fwN=3.07
sdE=53.6
fwE=2.91
20200928T220552.0001.fits
SecZ=1.03
Focus=-5.387
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.974 -5.346 -3.840
T123=3.1 4.8 5.7
ALT/AZ=75.2 -52.6
fwAVG=2.94
sdW=225.6
fwW=2.95
sdS=37.0
fwS=2.83
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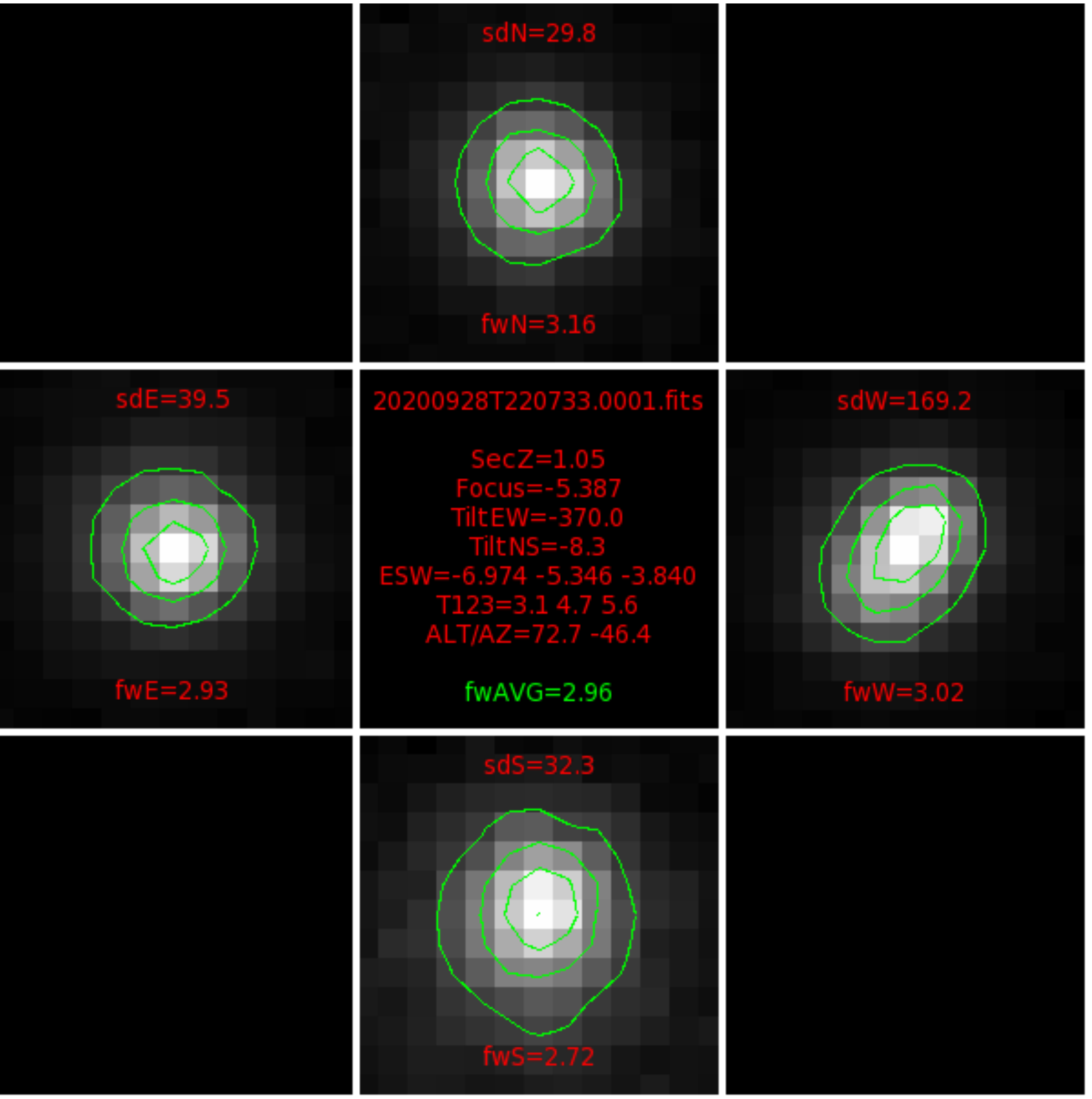
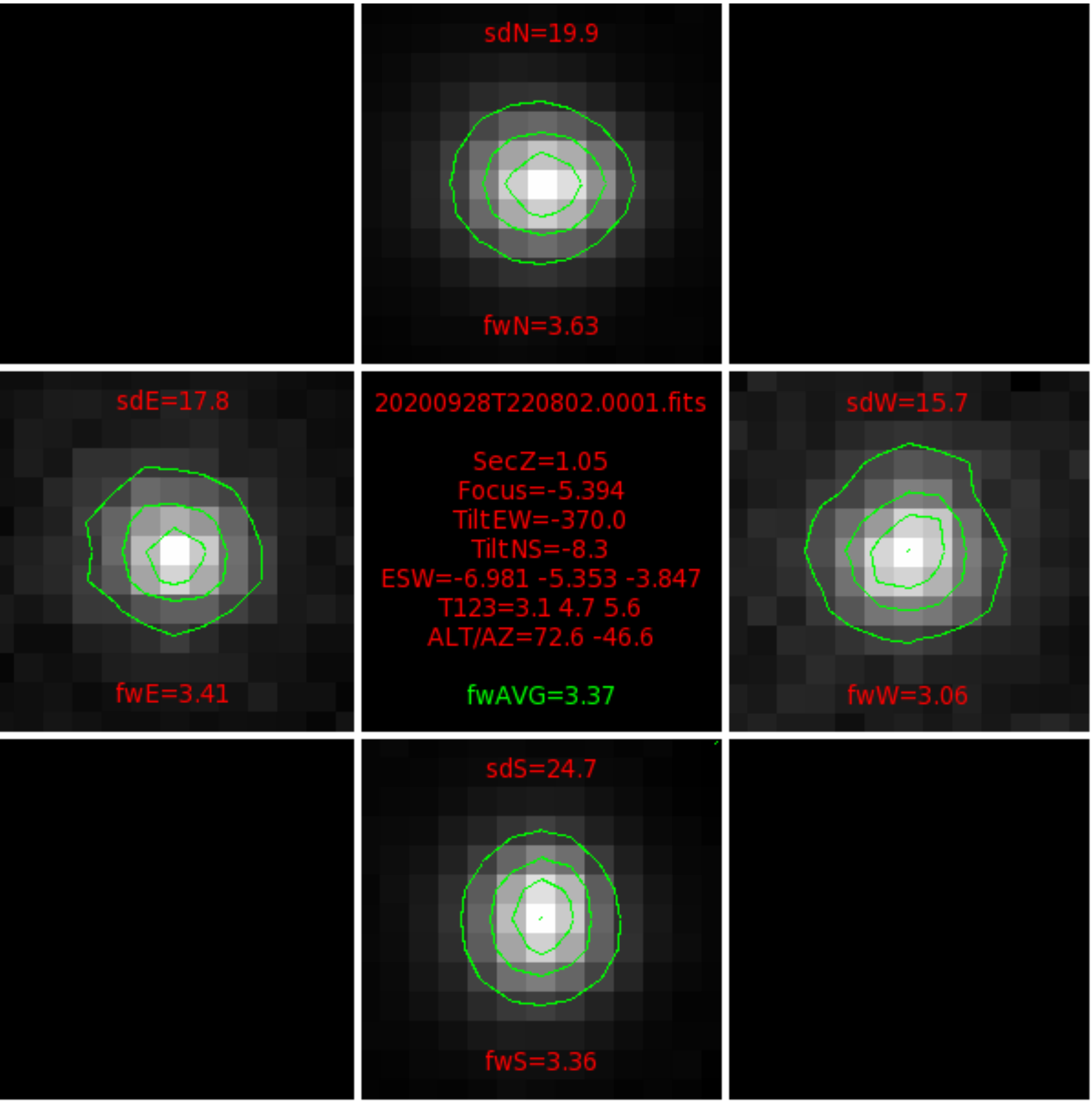

sdN=29.8
fwN=3.16
sdE=39.5
fwE=2.93
20200928T220733.0001.fits
SecZ=1.05
Focus=-5.387
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.974 -5.346 -3.840
T123=3.1 4.7 5.6
ALT/AZ=72.7 -46.4
fwAVG=2.96
sdW=169.2
fwW=3.02
sdS=32.3
fwS=2.72
0 0 0 0 0 0 0 0 0


sdN=19.9
fwN=3.63
sdE=17.8
fwE=3.41
20200928T220802.0001.fits
SecZ=1.05
Focus=-5.394
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.981 -5.353 -3.847
T123=3.1 4.7 5.6
ALT/AZ=72.6 -46.6
fwAVG=3.37
sdW=15.7
fwW=3.06
sdS=24.7
fwS=3.36
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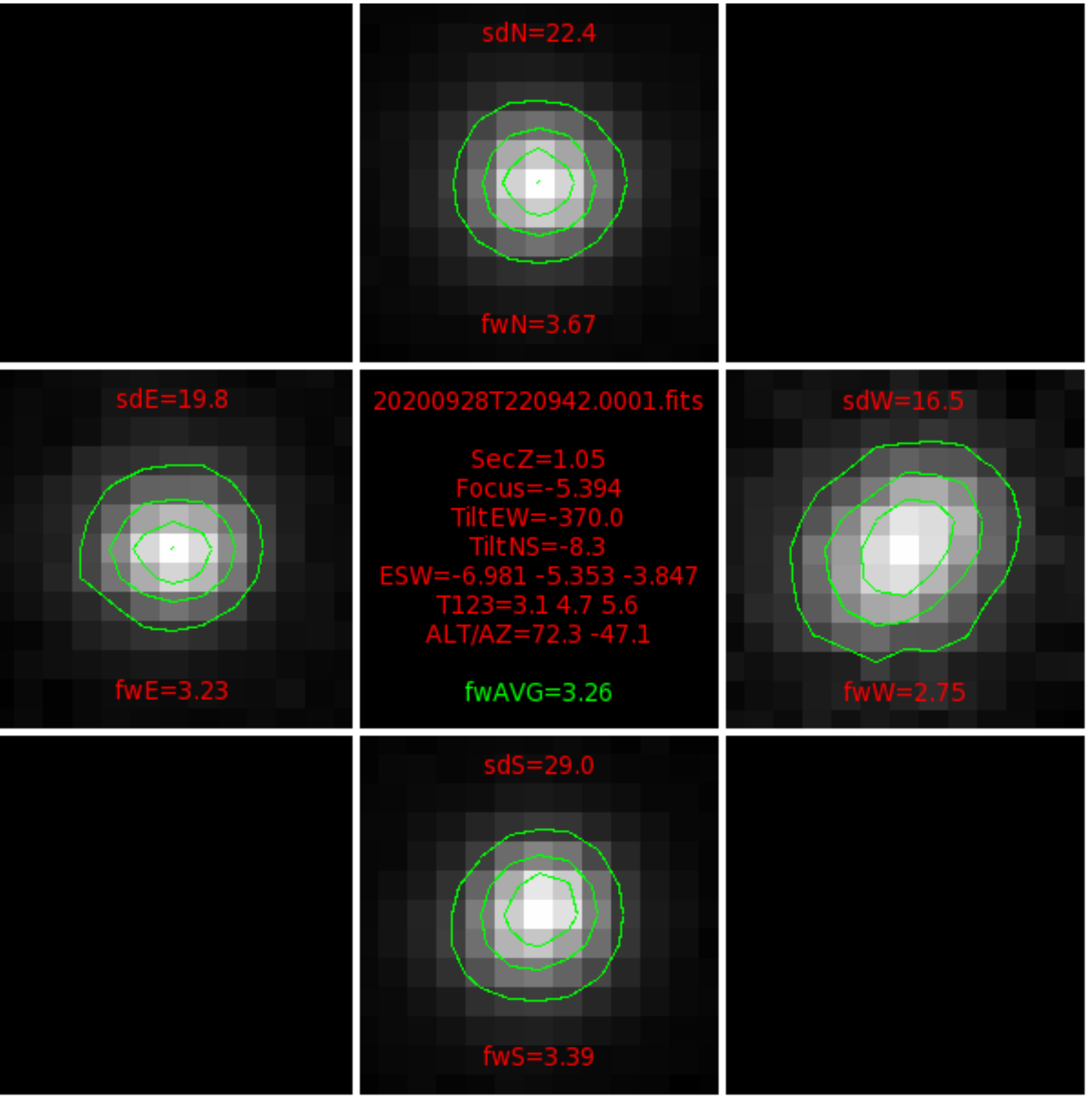
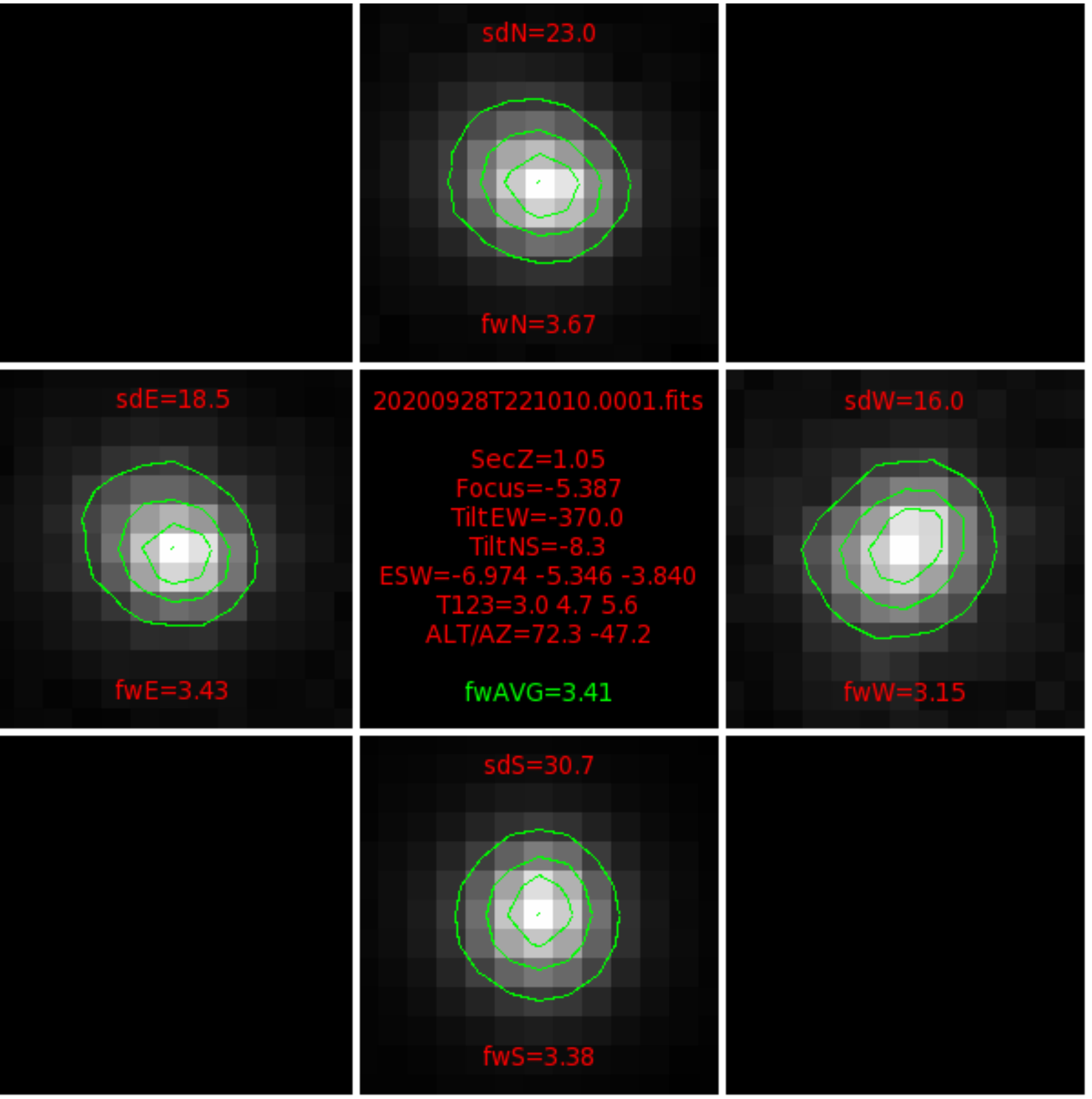

sdN=22.4
fwN=3.67
sdE=19.8
fwE=3.23
20200928T220942.0001.fits
SecZ=1.05
Focus=-5.394
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.981 -5.353 -3.847
T123=3.1 4.7 5.6
ALT/AZ=72.3 -47.1
fwAVG=3.26
sdW=16.5
fwW=2.75
sdS=29.0
fwS=3.39
0 0 0 0 0 0 0 0 0


sdN=23.0
fwN=3.67
sdE=18.5
fwE=3.43
20200928T221010.0001.fits
SecZ=1.05
Focus=-5.387
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.974 -5.346 -3.840
T123=3.0 4.7 5.6
ALT/AZ=72.3 -47.2
fwAVG=3.41
sdW=16.0
fwW=3.15
sdS=30.7
fwS=3.38
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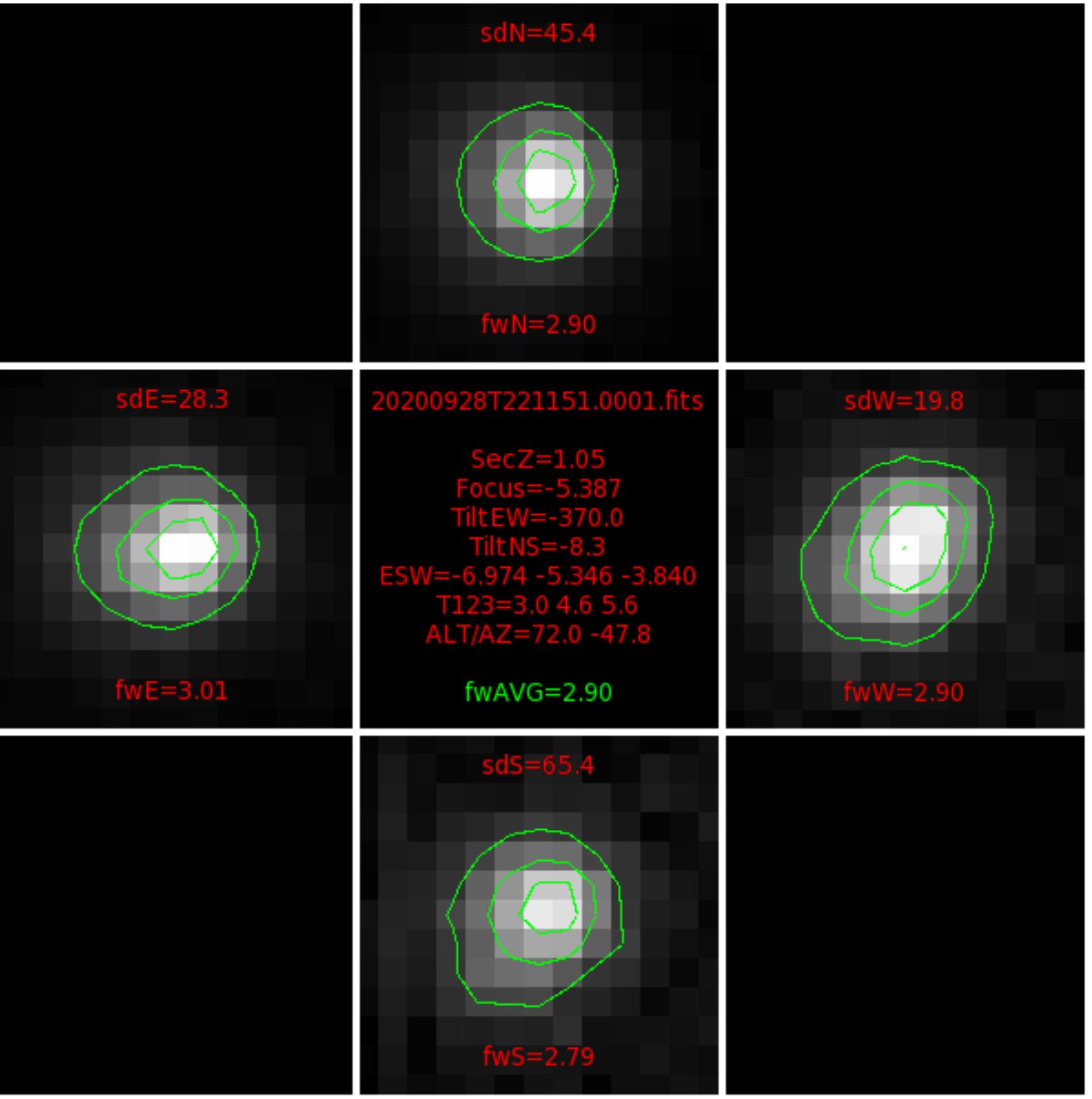
sdN=45.4
fwN=2.90
sdE=28.3
fwE=3.01
20200928T221151.0001.fits
SecZ=1.05
Focus=-5.387
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.974 -5.346 -3.840
T123=3.0 4.6 5.6
ALT/AZ=72.0 -47.8
fwAVG=2.90
sdW=19.8
fwW=2.90
sdS=65.4
fwS=2.79
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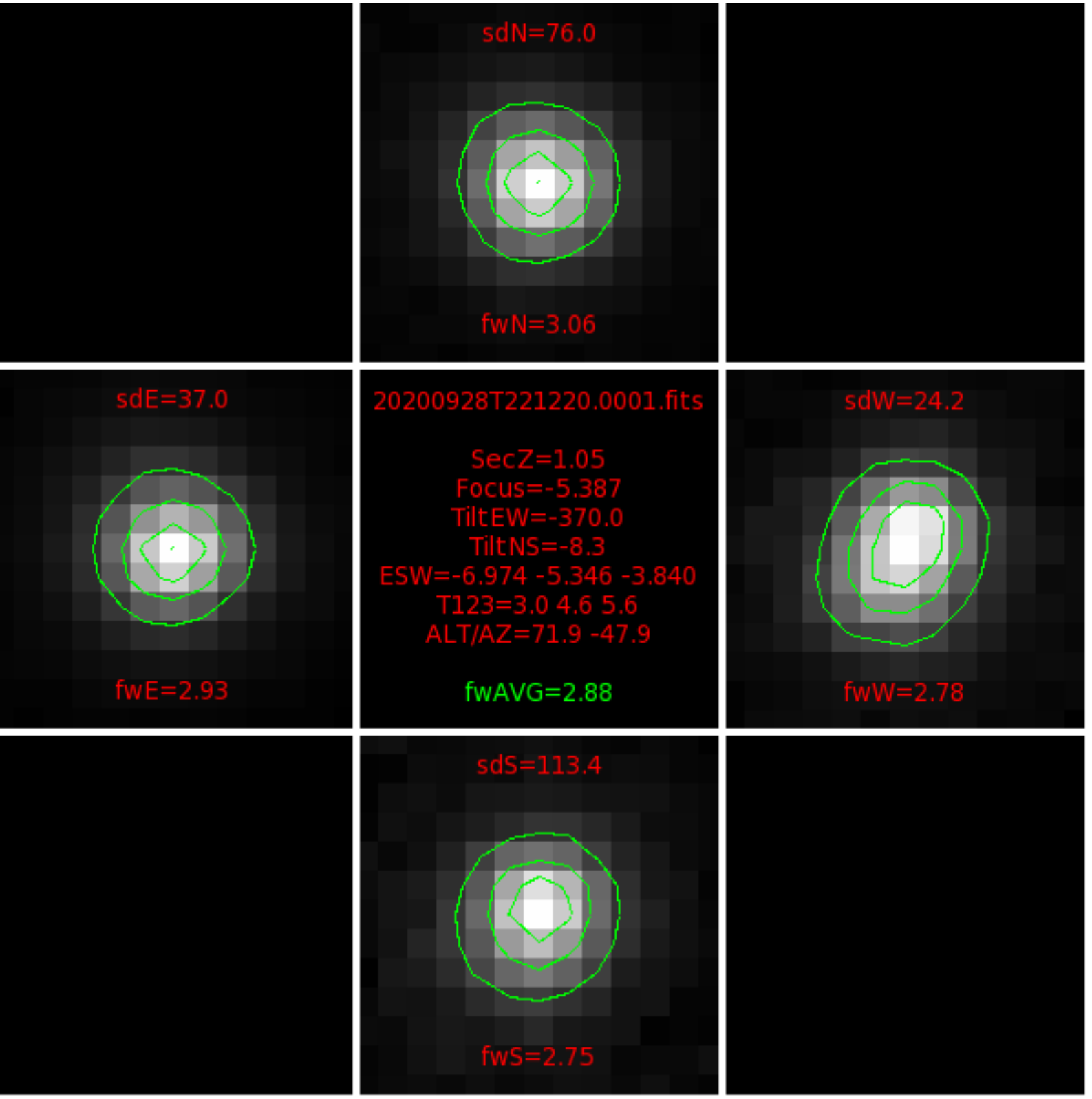
sdN=76.0
fwN=3.06
sdE=37.0
fwE=2.93
20200928T221220.0001.fits
SecZ=1.05
Focus=-5.387
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.974 -5.346 -3.840
T123=3.0 4.6 5.6
ALT/AZ=71.9 -47.9
fwAVG=2.88
sdW=24.2
fwW=2.78
sdS=113.4
fwS=2.75
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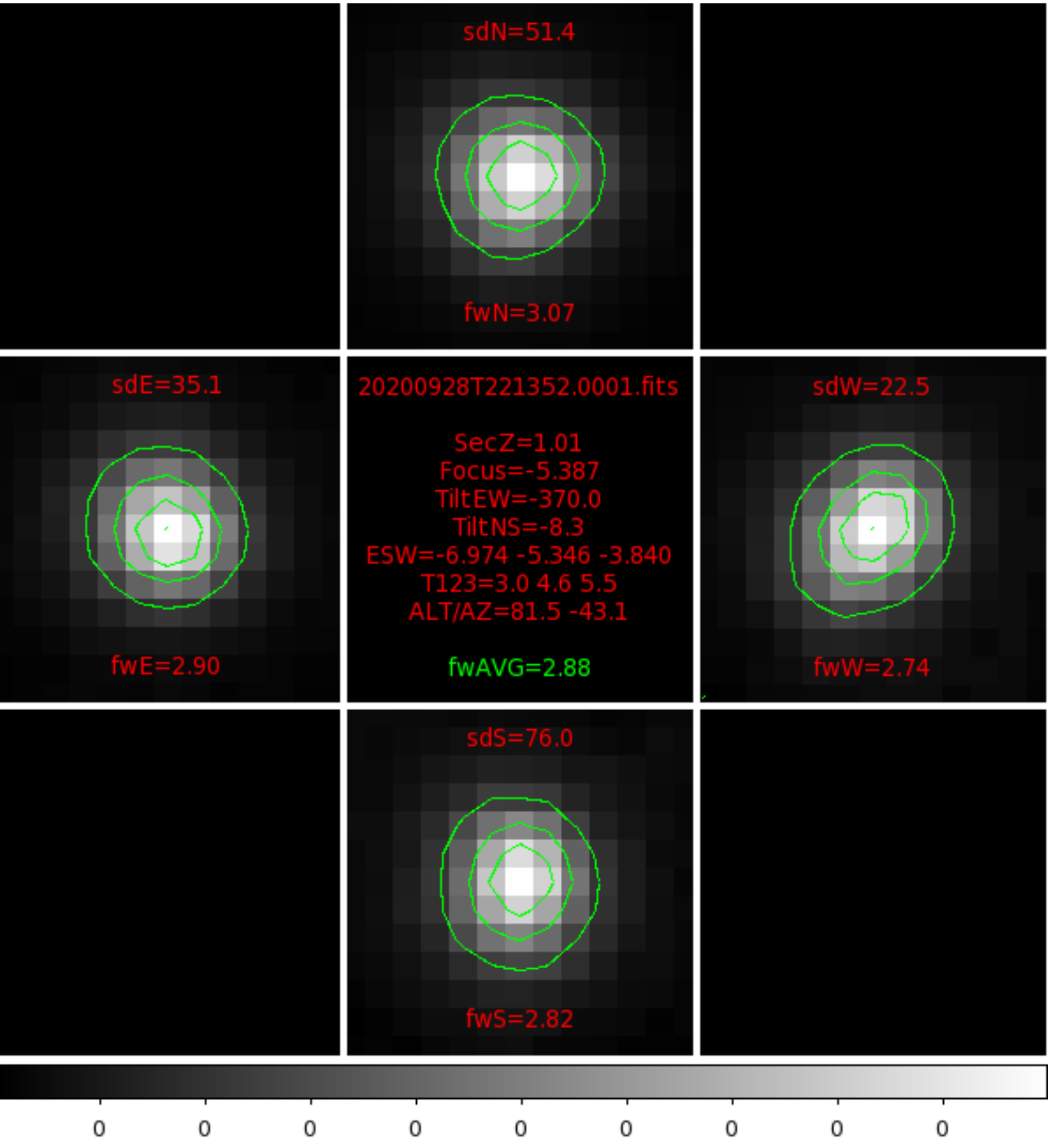
sdN=51.4
fwN=3.07
sdE=35.1
fwE=2.90
20200928T221352.0001.fits
SecZ=1.01
Focus=-5.387
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.974 -5.346 -3.840
T123=3.0 4.6 5.5
ALT/AZ=81.5 -43.1
fwAVG=2.88
sdW=22.5
fwW=2.74
sdS=76.0
fwS=2.82
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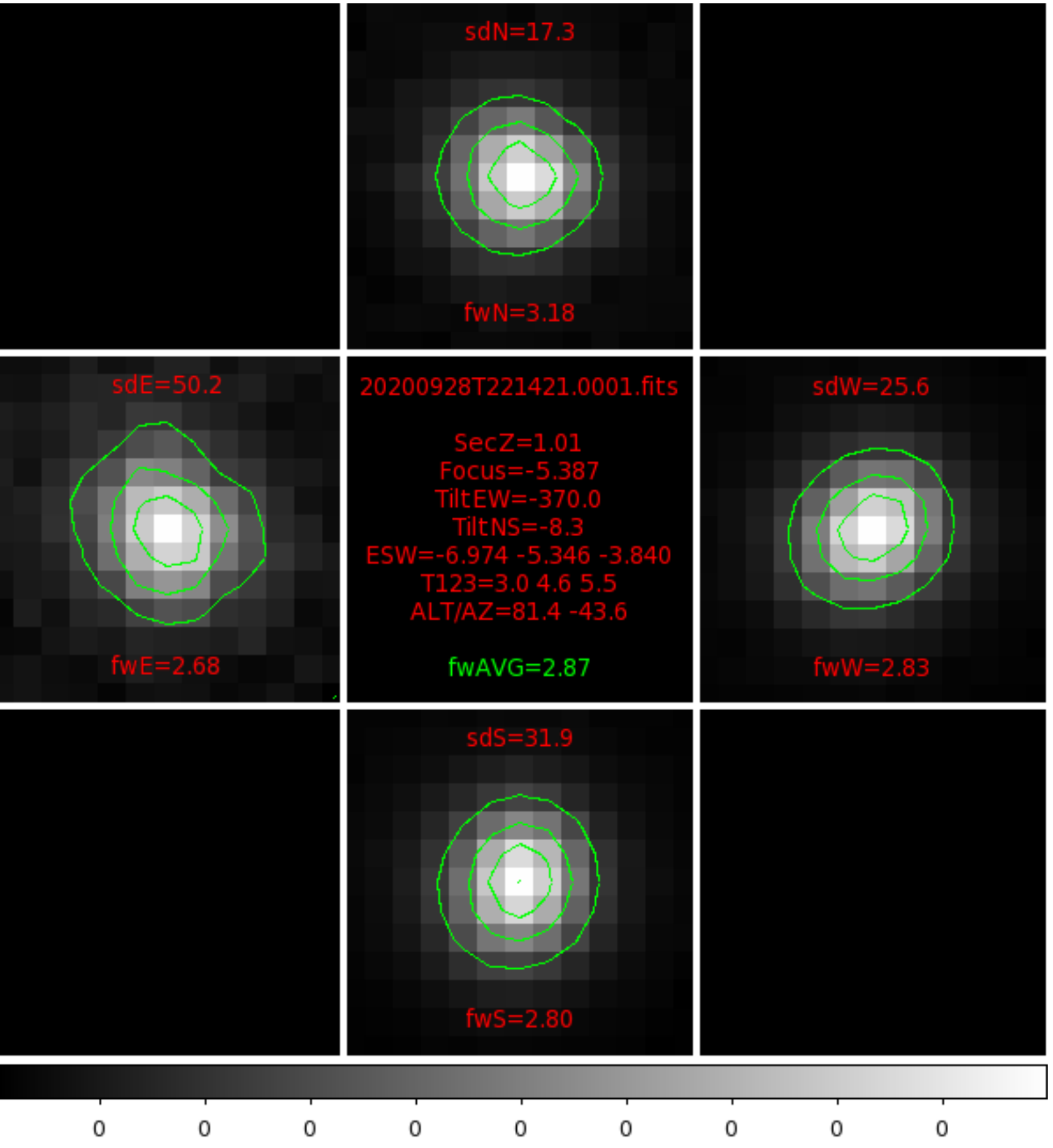
sdN=17.3
fwN=3.18
sdE=50.2
fwE=2.68
20200928T221421.0001.fits
SecZ=1.01
Focus=-5.387
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.974 -5.346 -3.840
T123=3.0 4.6 5.5
ALT/AZ=81.4 -43.6
fwAVG=2.87
sdW=25.6
fwW=2.83
sdS=31.9
fwS=2.80
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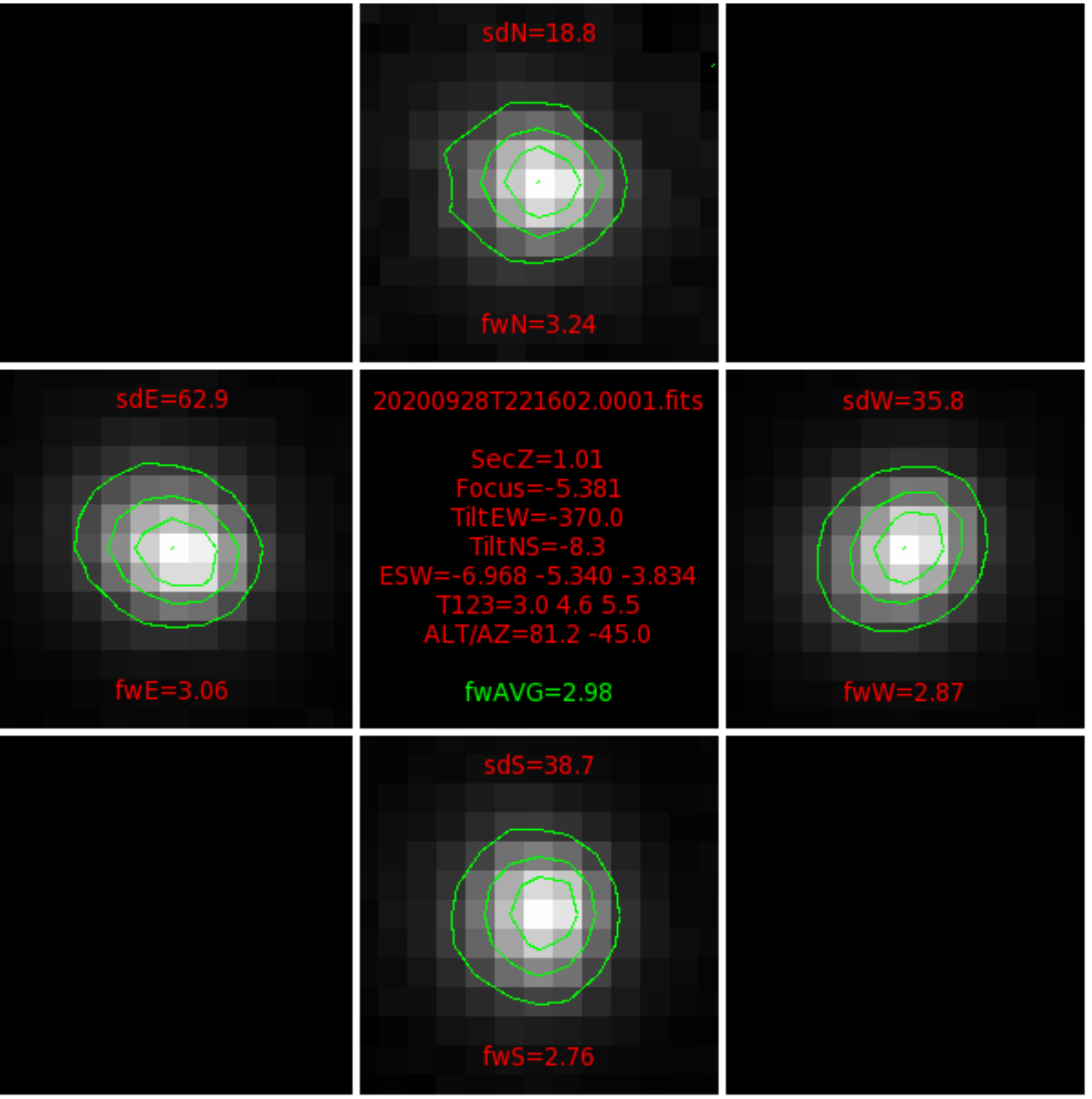
sdN=18.8
fwN=3.24
sdE=62.9
fwE=3.06
20200928T221602.0001.fits
SecZ=1.01
Focus=-5.381
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.968 -5.340 -3.834
T123=3.0 4.6 5.5
ALT/AZ=81.2 -45.0
fwAVG=2.98
sdW=35.8
fwW=2.87
sdS=38.7
fwS=2.76
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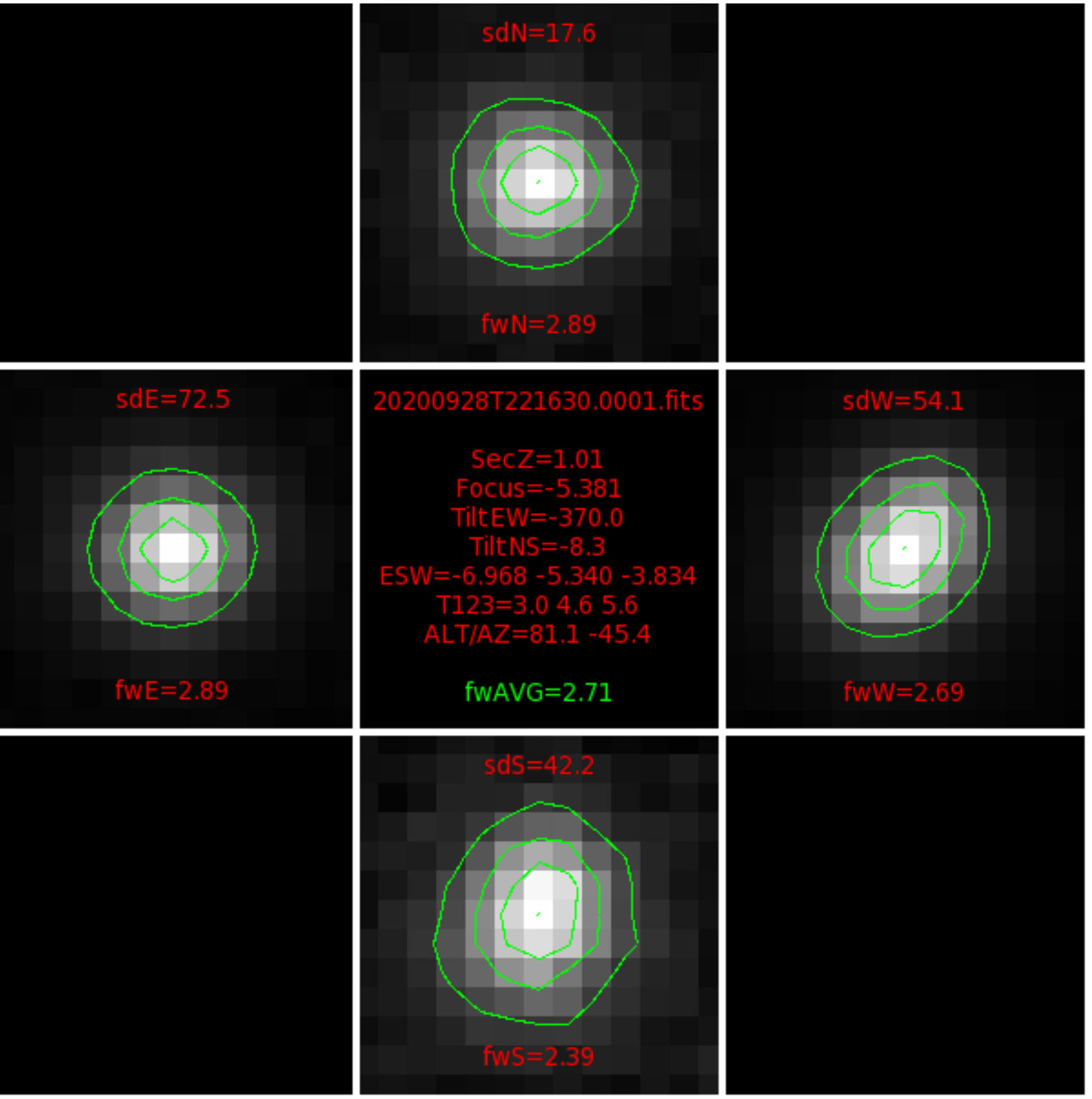
sdN=17.6
fwN=2.89
sdE=72.5
fwE=2.89
20200928T221630.0001.fits
SecZ=1.01
Focus=-5.381
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.968 -5.340 -3.834
T123=3.0 4.6 5.6
ALT/AZ=81.1 -45.4
fwAVG=2.71
sdW=54.1
fwW=2.69
sdS=42.2
fwS=2.39
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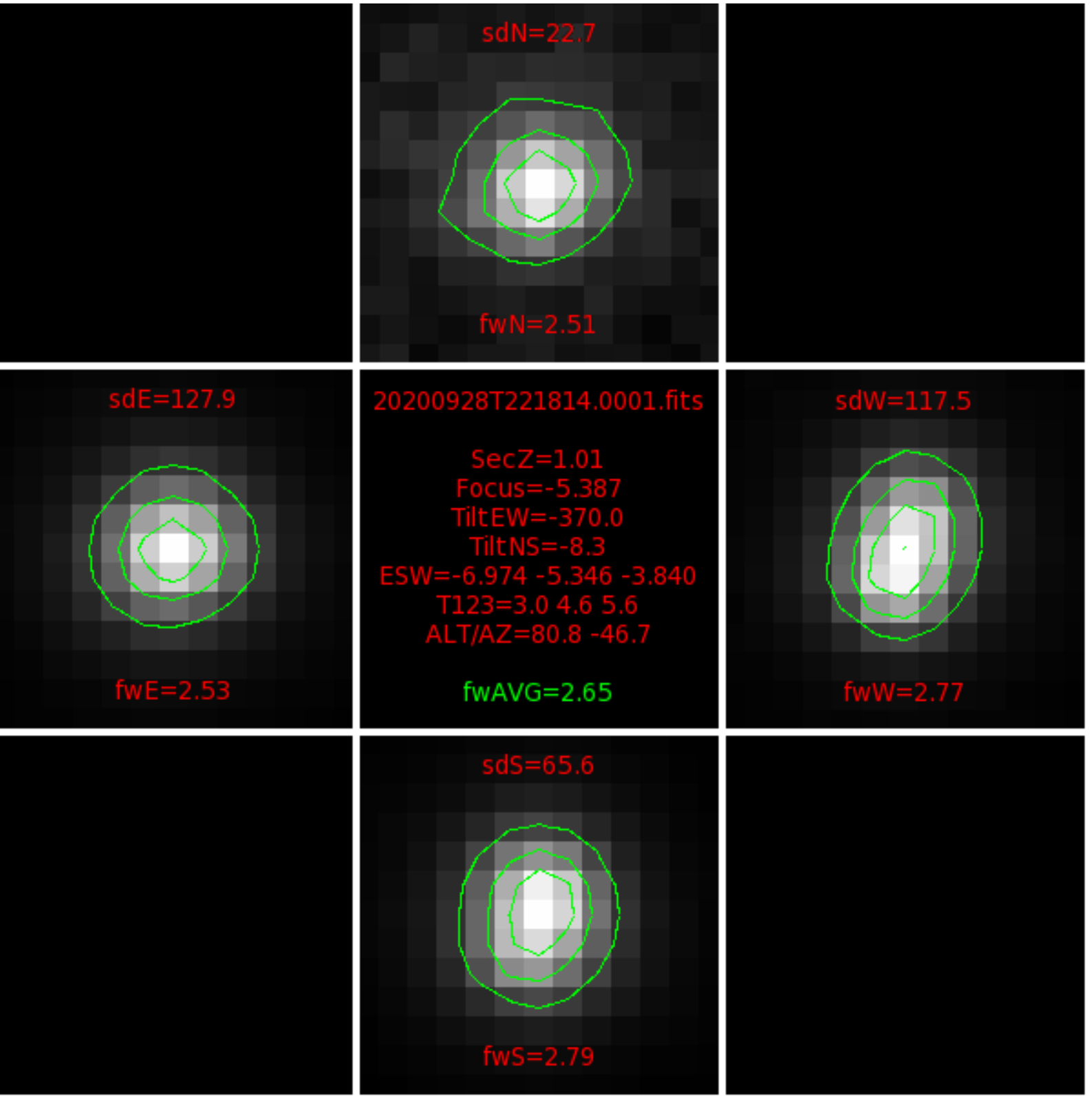
sdN=22.7
fwN=2.51
sdE=127.9
fwE=2.53
20200928T221814.0001.fits
SecZ=1.01
Focus=-5.387
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.974 -5.346 -3.840
T123=3.0 4.6 5.6
ALT/AZ=80.8 -46.7
fwAVG=2.65
sdW=117.5
fwW=2.77
sdS=65.6
fwS=2.79
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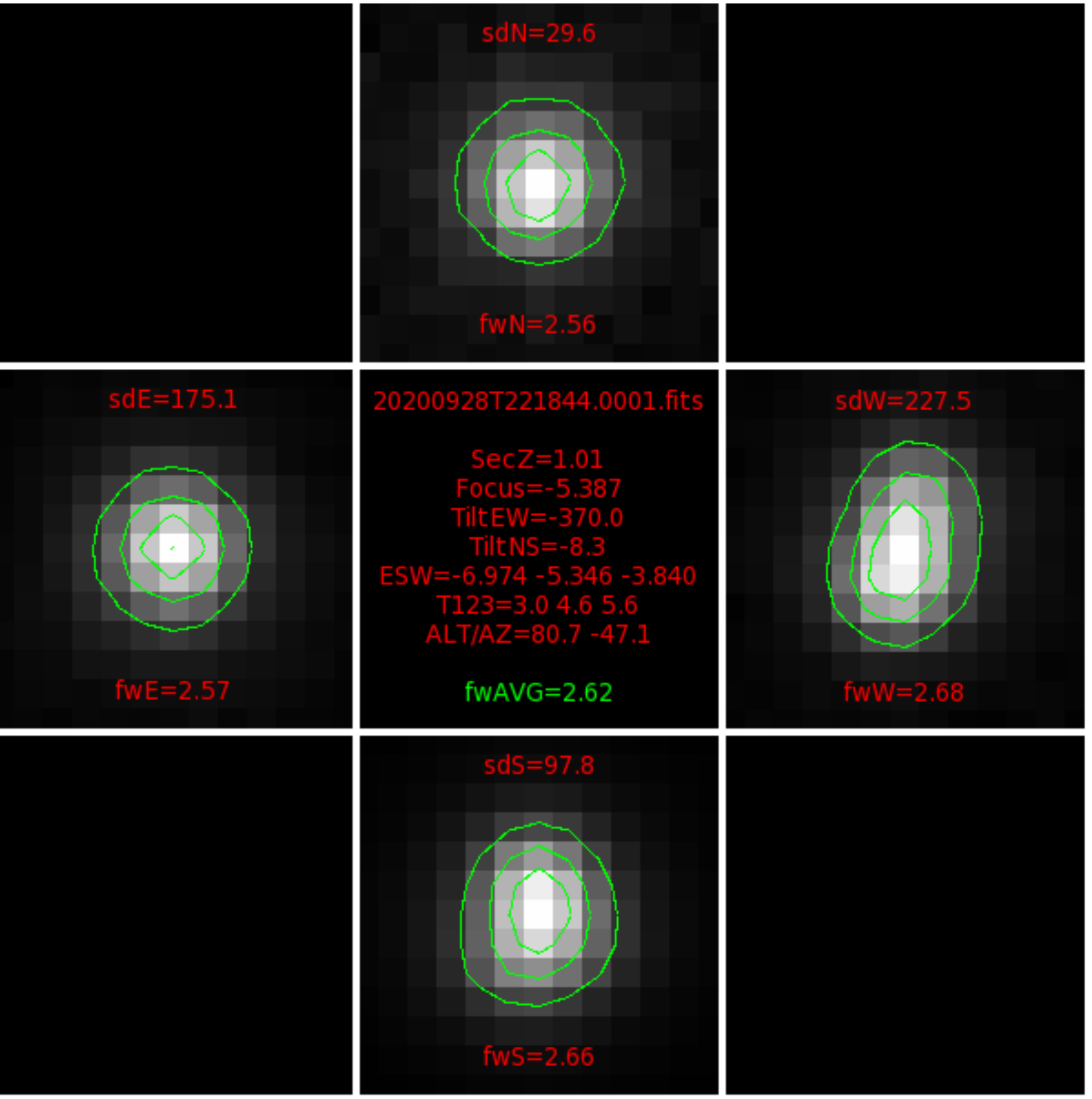
sdN=29.6
fwN=2.56
sdE=175.1
fwE=2.57
20200928T221844.0001.fits
SecZ=1.01
Focus=-5.387
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.974 -5.346 -3.840
T123=3.0 4.6 5.6
ALT/AZ=80.7 -47.1
fwAVG=2.62
sdW=227.5
fwW=2.68
sdS=97.8
fwS=2.66
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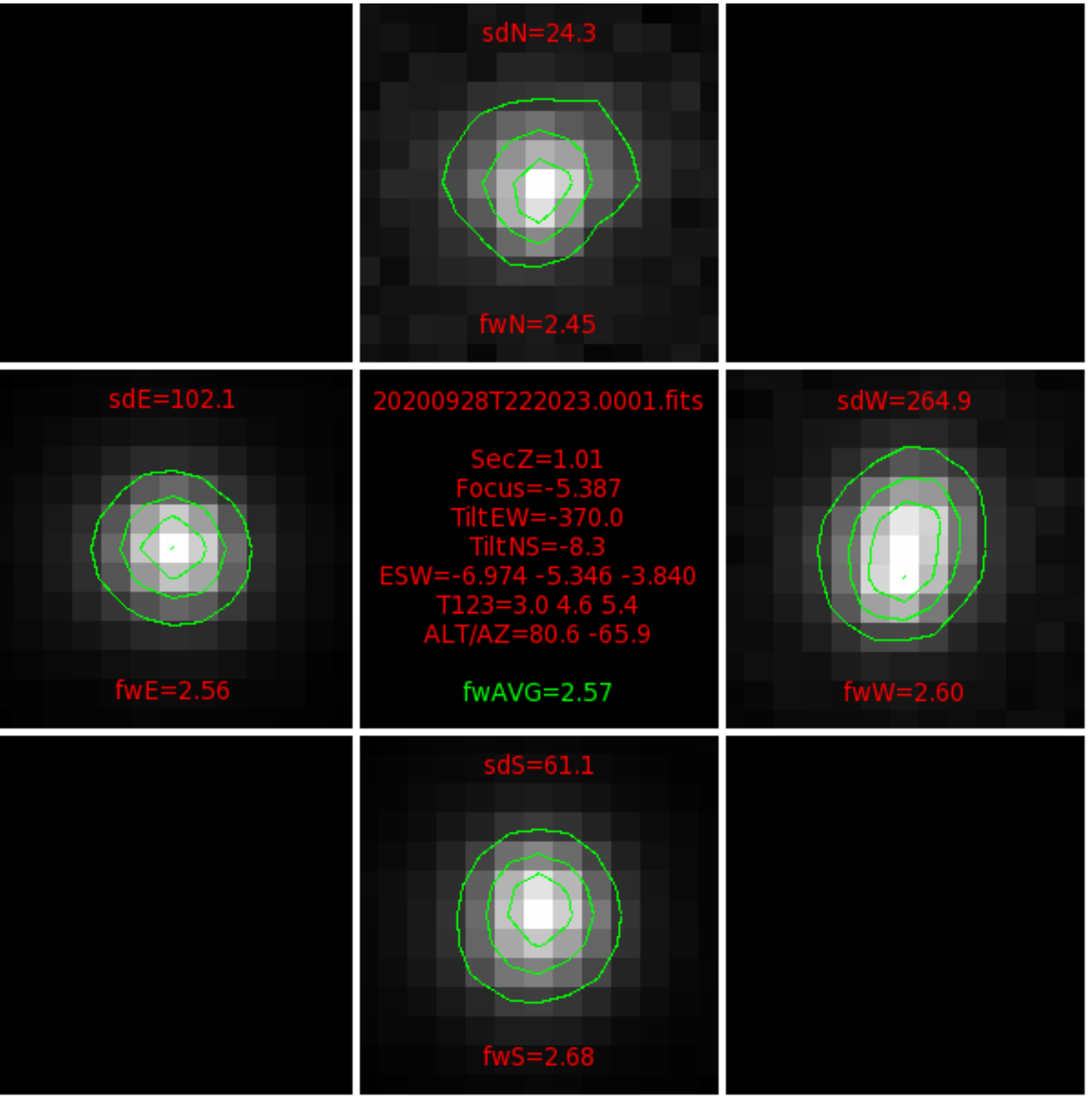
sdN=24.3
fwN=2.45
sdE=102.1
fwE=2.56
20200928T222023.0001.fits
SecZ=1.01
Focus=-5.387
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.974 -5.346 -3.840
T123=3.0 4.6 5.4
ALT/AZ=80.6 -65.9
fwAVG=2.57
sdW=264.9
fwW=2.60
sdS=61.1
fwS=2.68
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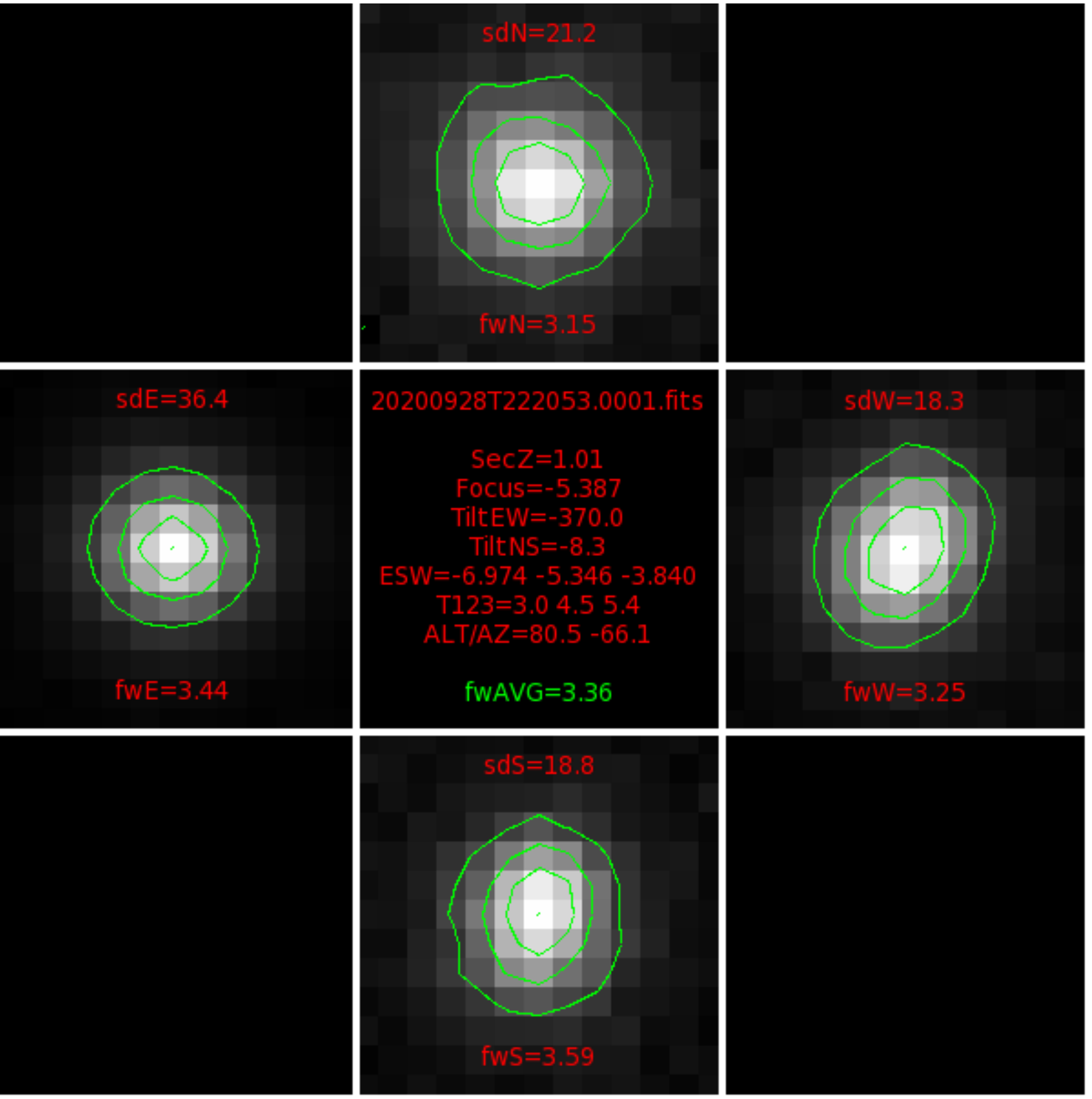
sdN=21.2
fwN=3.15
sdE=36.4
fwE=3.44
20200928T222053.0001.fits
SecZ=1.01
Focus=-5.387
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.974 -5.346 -3.840
T123=3.0 4.5 5.4
ALT/AZ=80.5 -66.1
fwAVG=3.36
sdW=18.3
fwW=3.25
sdS=18.8
fwS=3.59
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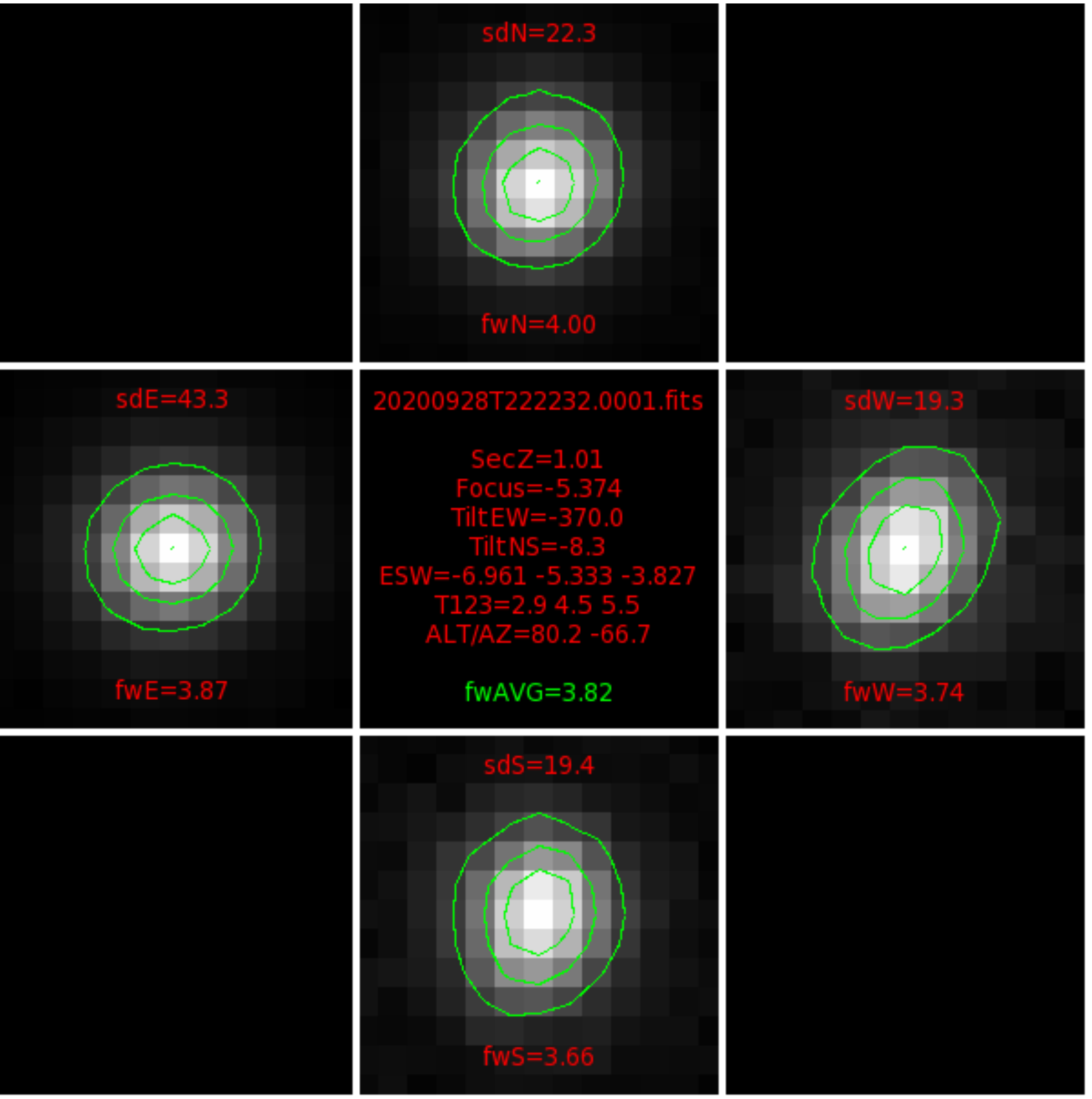
sdN=22.3
fwN=4.00
sdE=43.3
fwE=3.87
20200928T222232.0001.fits
SecZ=1.01
Focus=-5.374
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.961 -5.333 -3.827
T123=2.9 4.5 5.5
ALT/AZ=80.2 -66.7
fwAVG=3.82
sdW=19.3
fwW=3.74
sdS=19.4
fwS=3.66
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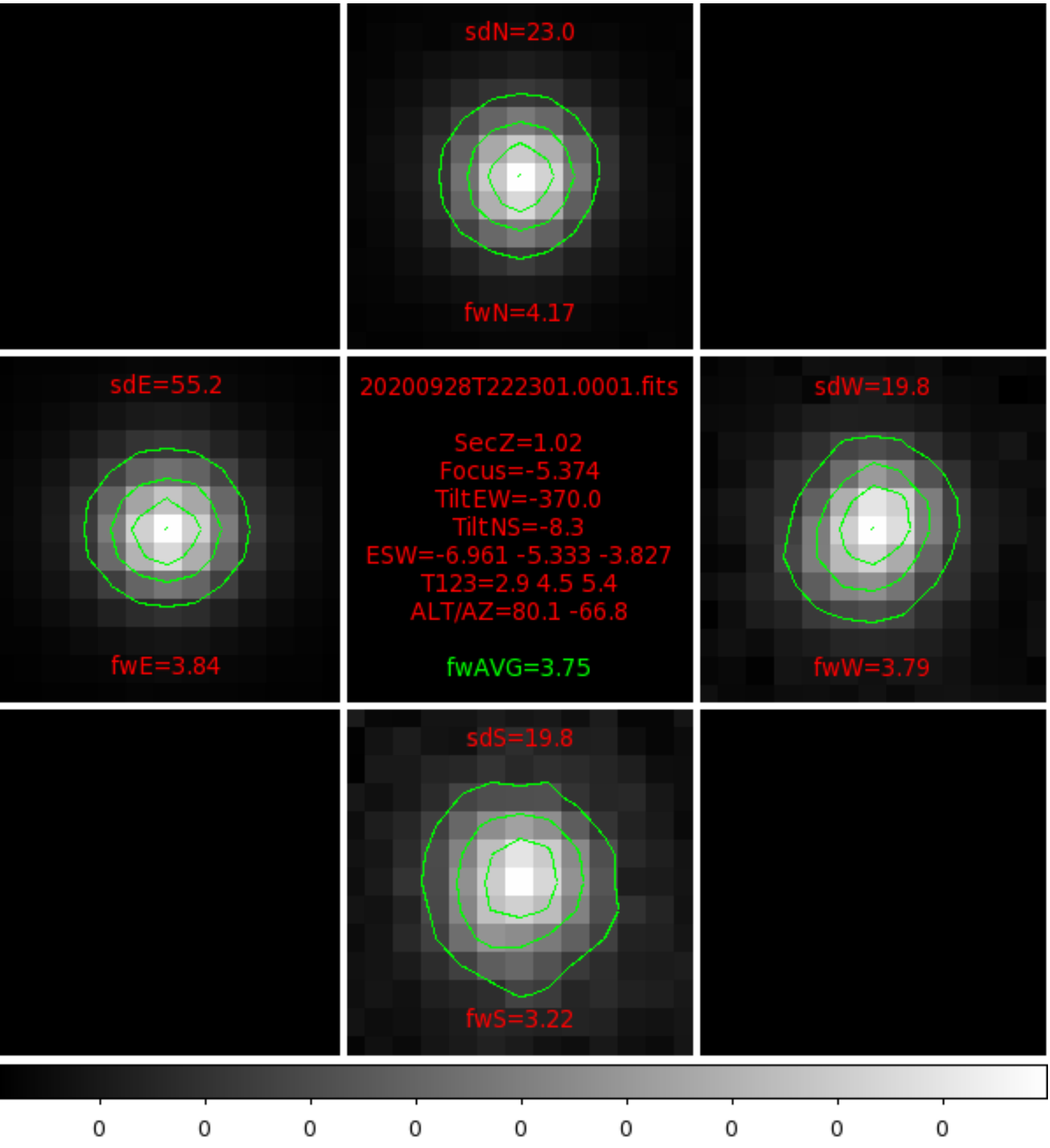
sdN=23.0
fwN=4.17
sdE=55.2
fwE=3.84
20200928T222301.0001.fits
SecZ=1.02
Focus=-5.374
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.961 -5.333 -3.827
T123=2.9 4.5 5.4
ALT/AZ=80.1 -66.8
fwAVG=3.75
sdW=19.8
fwW=3.79
sdS=19.8
fwS=3.22
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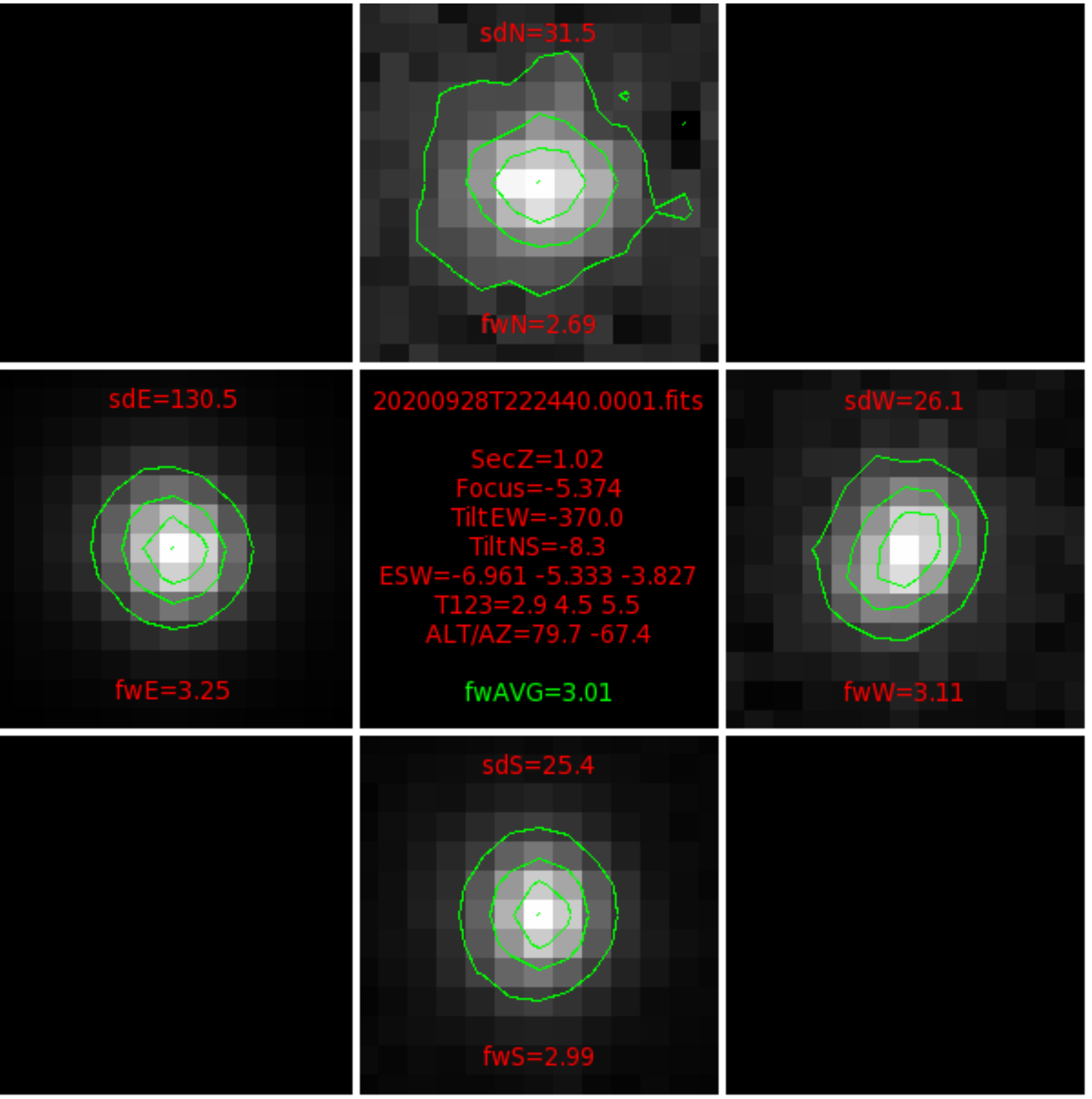
sdN=31.5
fwN=2.69
sdE=130.5
fwE=3.25
20200928T222440.0001.fits
SecZ=1.02
Focus=-5.374
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.961 -5.333 -3.827
T123=2.9 4.5 5.5
ALT/AZ=79.7 -67.4
fwAVG=3.01
sdW=26.1
fwW=3.11
sdS=25.4
fwS=2.99
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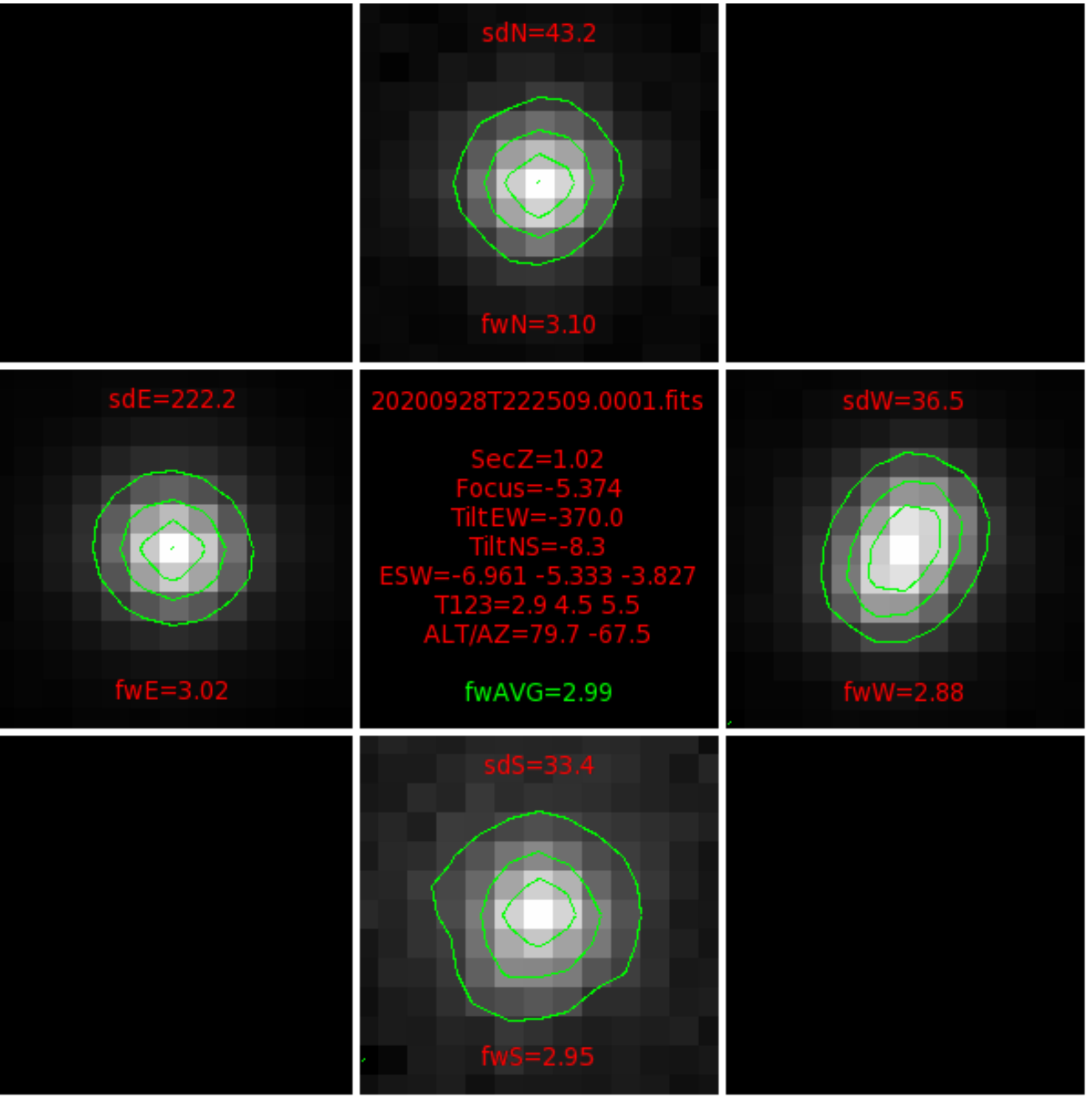
sdN=43.2
fwN=3.10
sdE=222.2
fwE=3.02
20200928T222509.0001.fits
SecZ=1.02
Focus=-5.374
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.961 -5.333 -3.827
T123=2.9 4.5 5.5
ALT/AZ=79.7 -67.5
fwAVG=2.99
sdW=36.5
fwW=2.88
sdS=33.4
fwS=2.95
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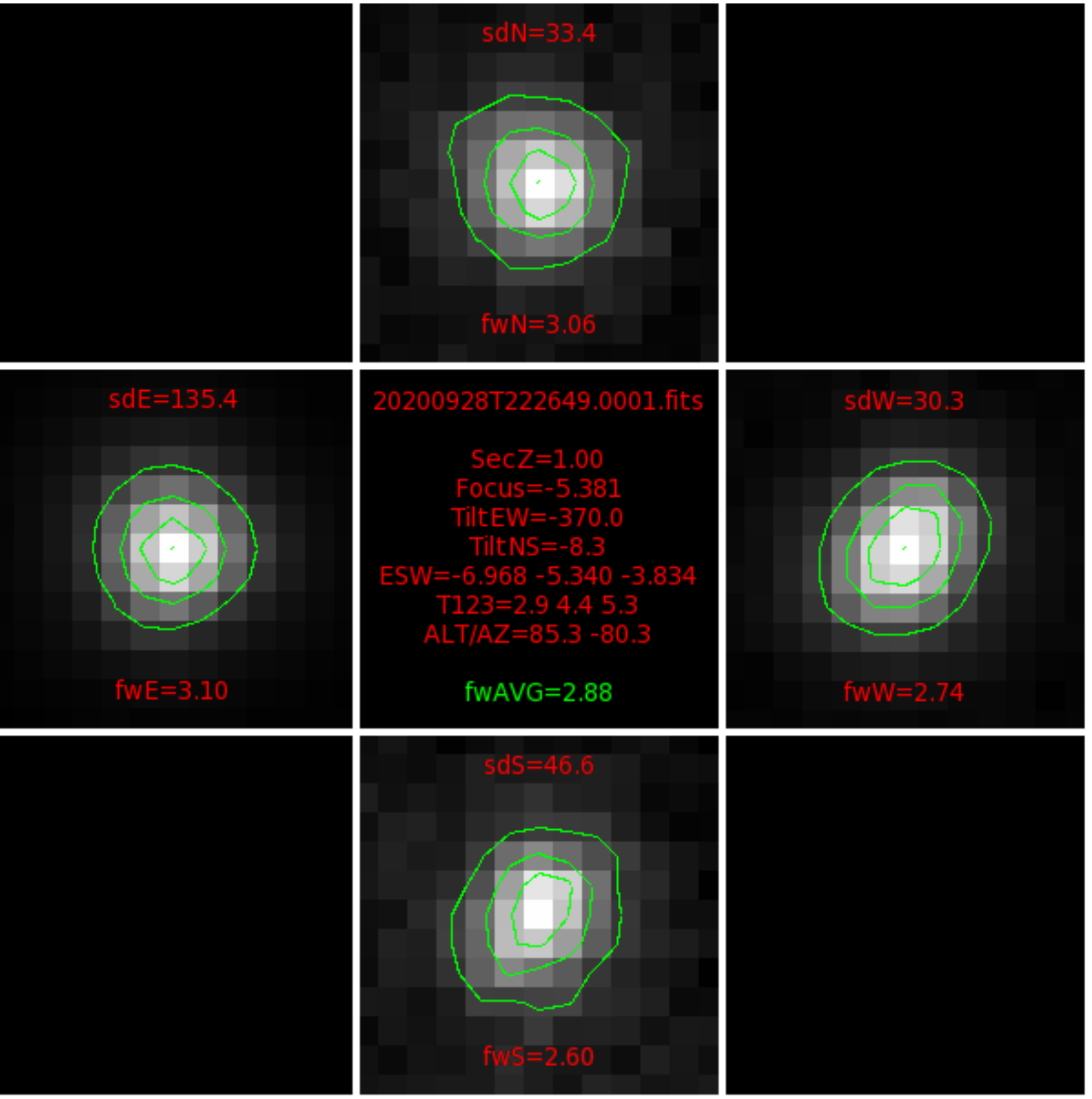
sdN=33.4
fwN=3.06
sdE=135.4
fwE=3.10
20200928T222649.0001.fits
SecZ=1.00
Focus=-5.381
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.968 -5.340 -3.834
T123=2.9 4.4 5.3
ALT/AZ=85.3 -80.3
fwAVG=2.88
sdW=30.3
fwW=2.74
sdS=46.6
fwS=2.60
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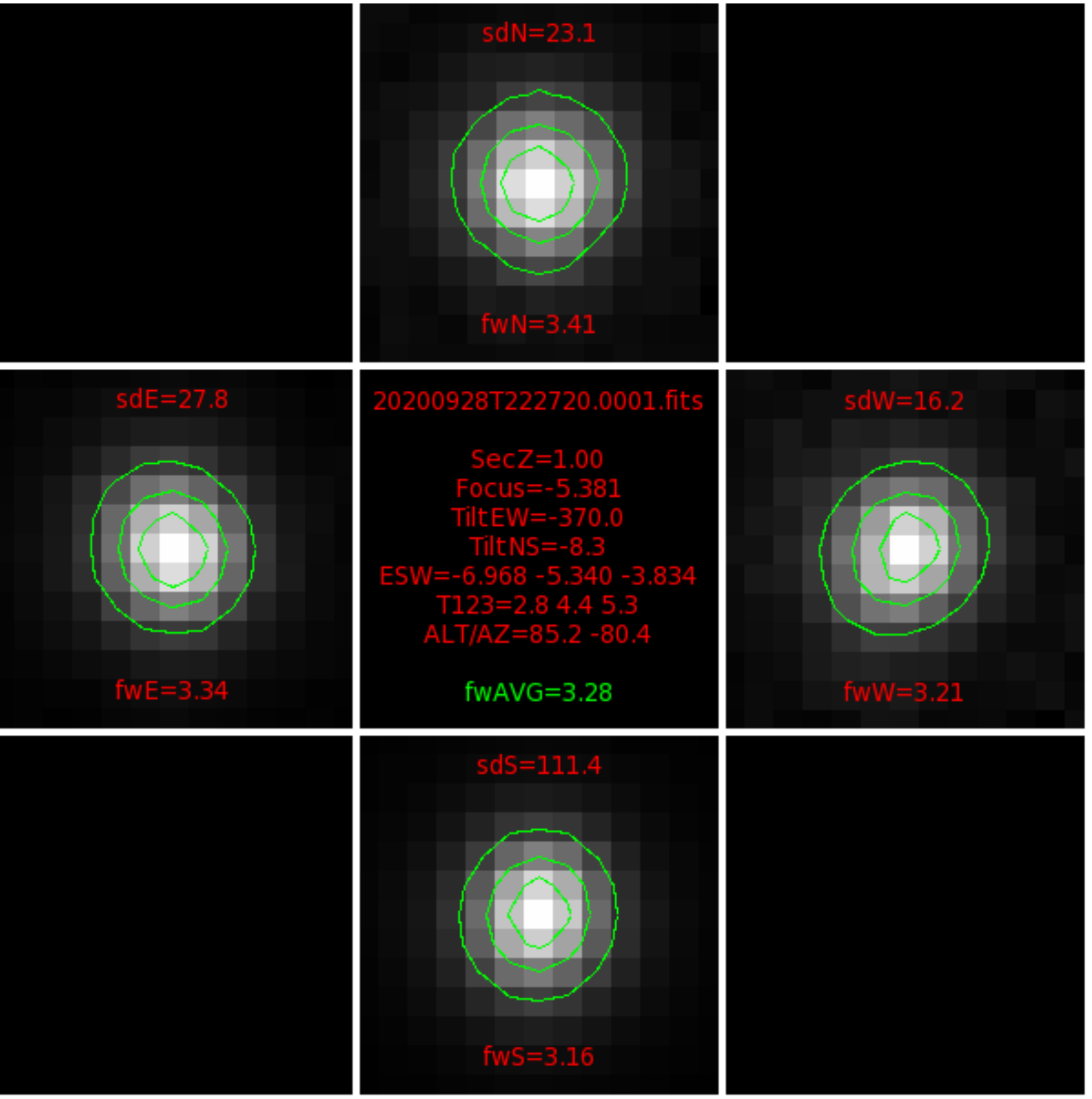
sdN=23.1
fwN=3.41
sdE=27.8
fwE=3.34
20200928T222720.0001.fits
SecZ=1.00
Focus=-5.381
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.968 -5.340 -3.834
T123=2.8 4.4 5.3
ALT/AZ=85.2 -80.4
fwAVG=3.28
sdW=16.2
fwW=3.21
sdS=111.4
fwS=3.16
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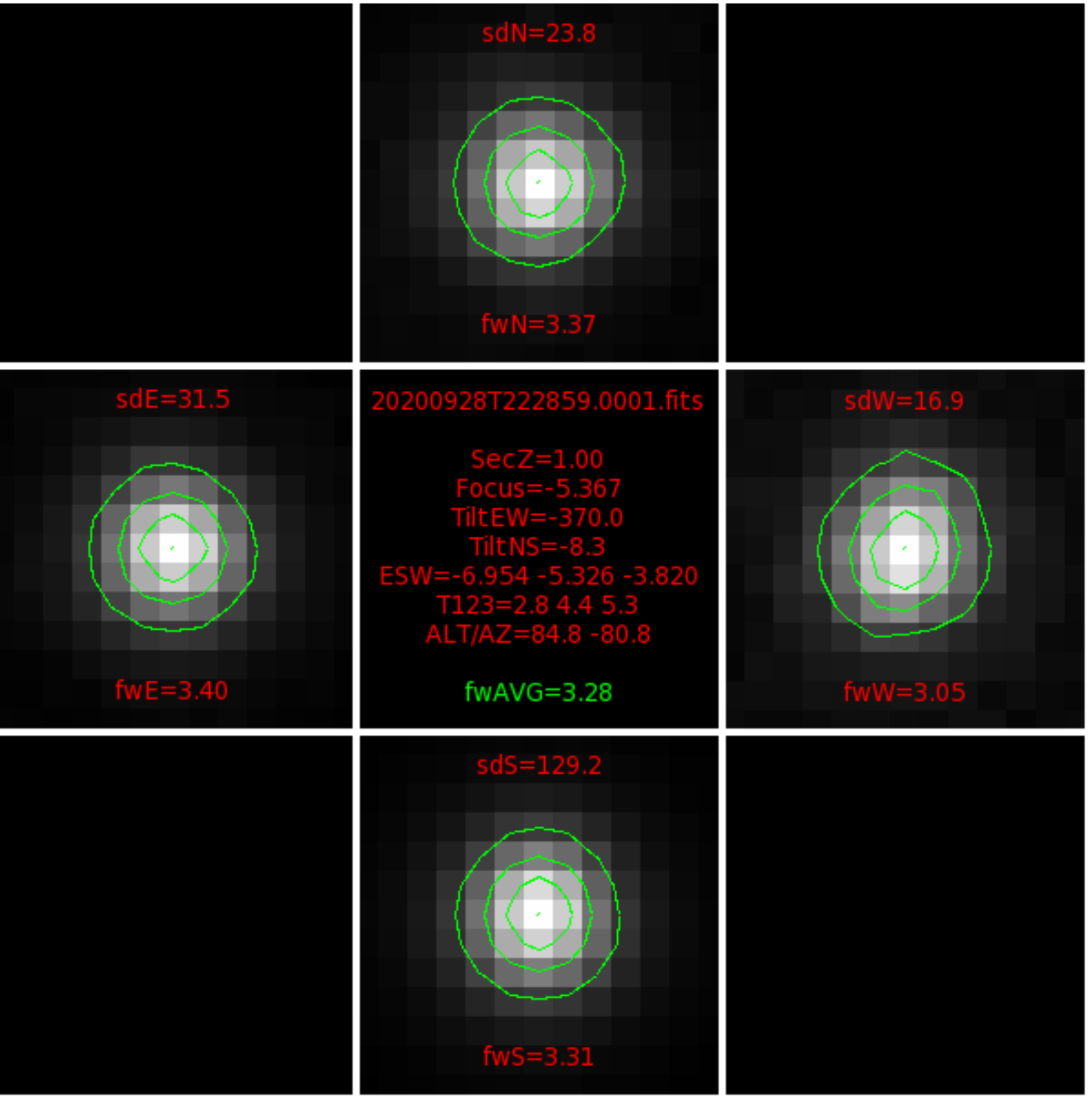
sdN=23.8
fwN=3.37
sdE=31.5
fwE=3.40
20200928T222859.0001.fits
SecZ=1.00
Focus=-5.367
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.954 -5.326 -3.820
T123=2.8 4.4 5.3
ALT/AZ=84.8 -80.8
fwAVG=3.28
sdW=16.9
fwW=3.05
sdS=129.2
fwS=3.31
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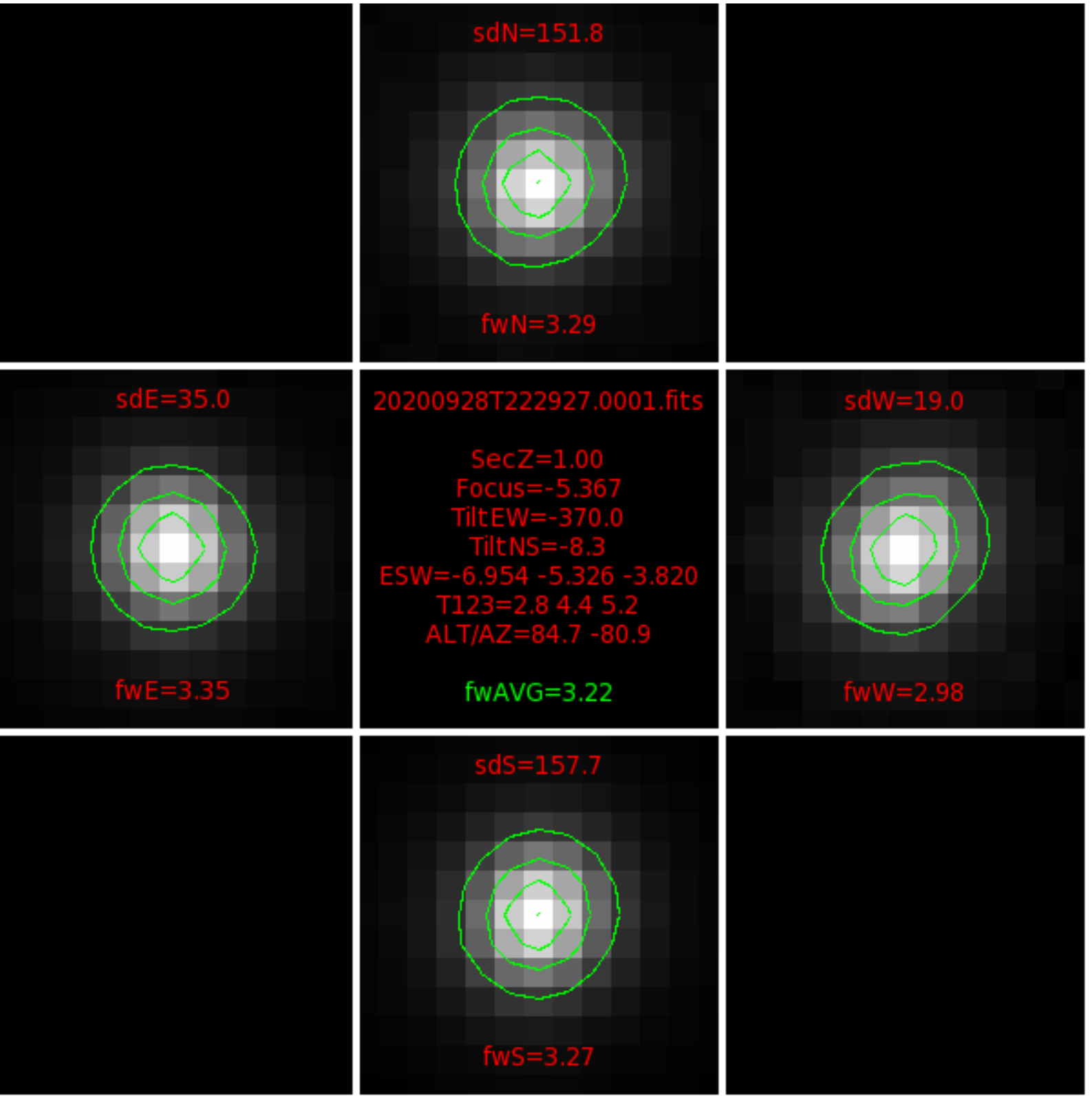
sdN=151.8
fwN=3.29
sdE=35.0
fwE=3.35
20200928T222927.0001.fits
SecZ=1.00
Focus=-5.367
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.954 -5.326 -3.820
T123=2.8 4.4 5.2
ALT/AZ=84.7 -80.9
fwAVG=3.22
sdW=19.0
fwW=2.98
sdS=157.7
fwS=3.27
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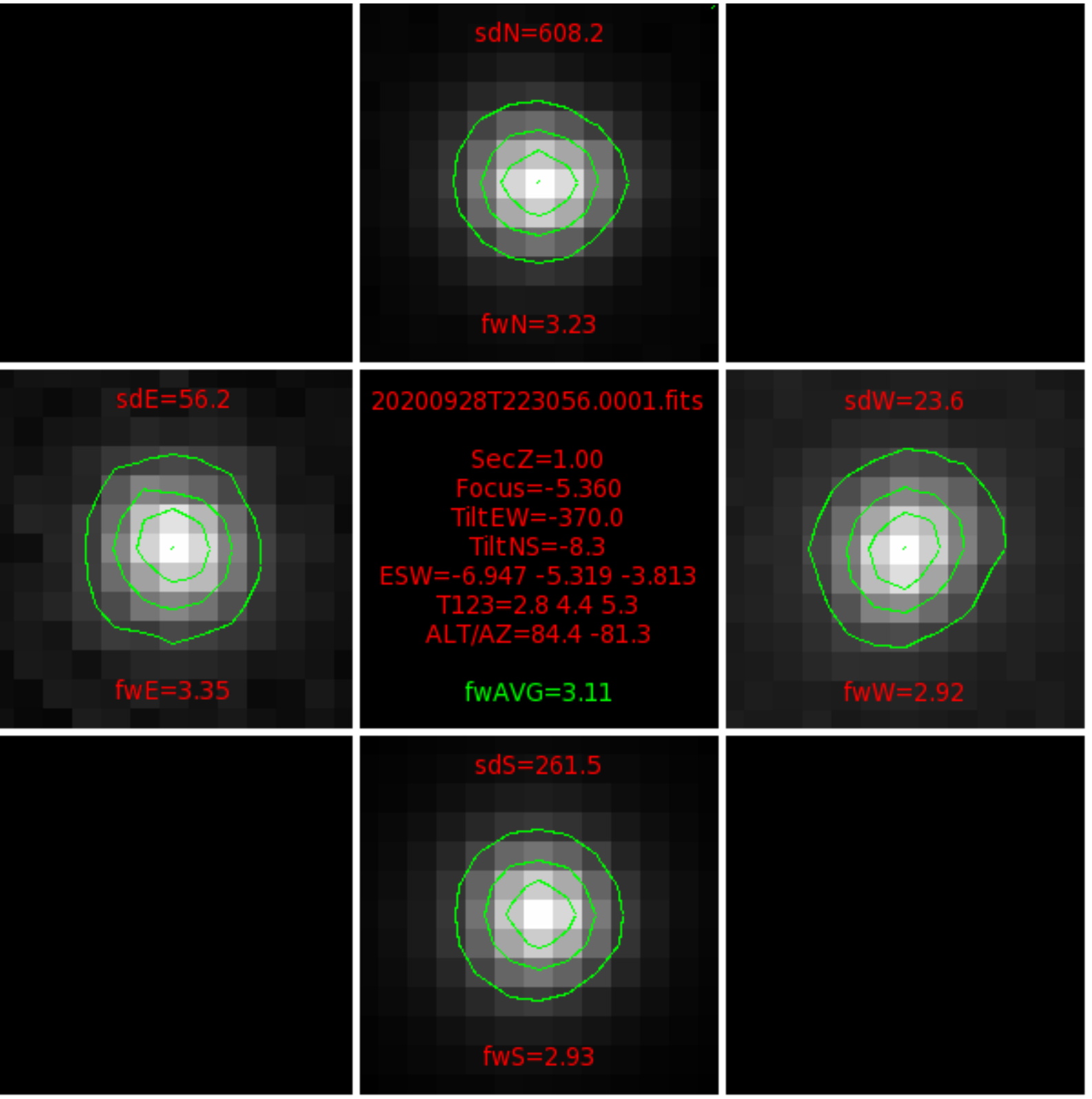
sdN=608.2
fwN=3.23
sdE=56.2
fwE=3.35
20200928T223056.0001.fits
SecZ=1.00
Focus=-5.360
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.947 -5.319 -3.813
T123=2.8 4.4 5.3
ALT/AZ=84.4 -81.3
fwAVG=3.11
sdW=23.6
fwW=2.92
sdS=261.5
fwS=2.93
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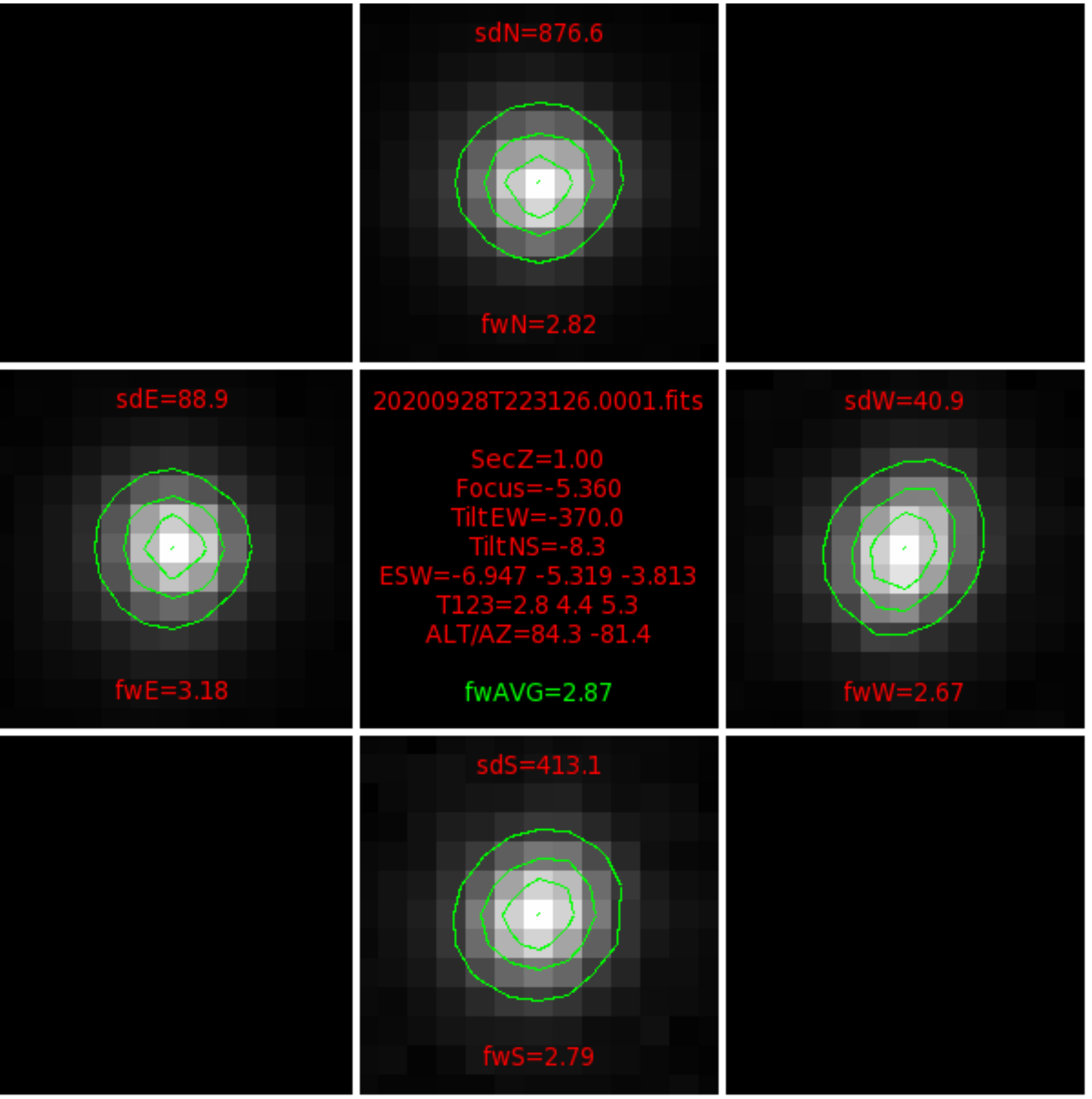
sdN=876.6
fwN=2.82
sdE=88.9
fwE=3.18
20200928T223126.0001.fits
SecZ=1.00
Focus=-5.360
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.947 -5.319 -3.813
T123=2.8 4.4 5.3
ALT/AZ=84.3 -81.4
fwAVG=2.87
sdW=40.9
fwW=2.67
sdS=413.1
fwS=2.79
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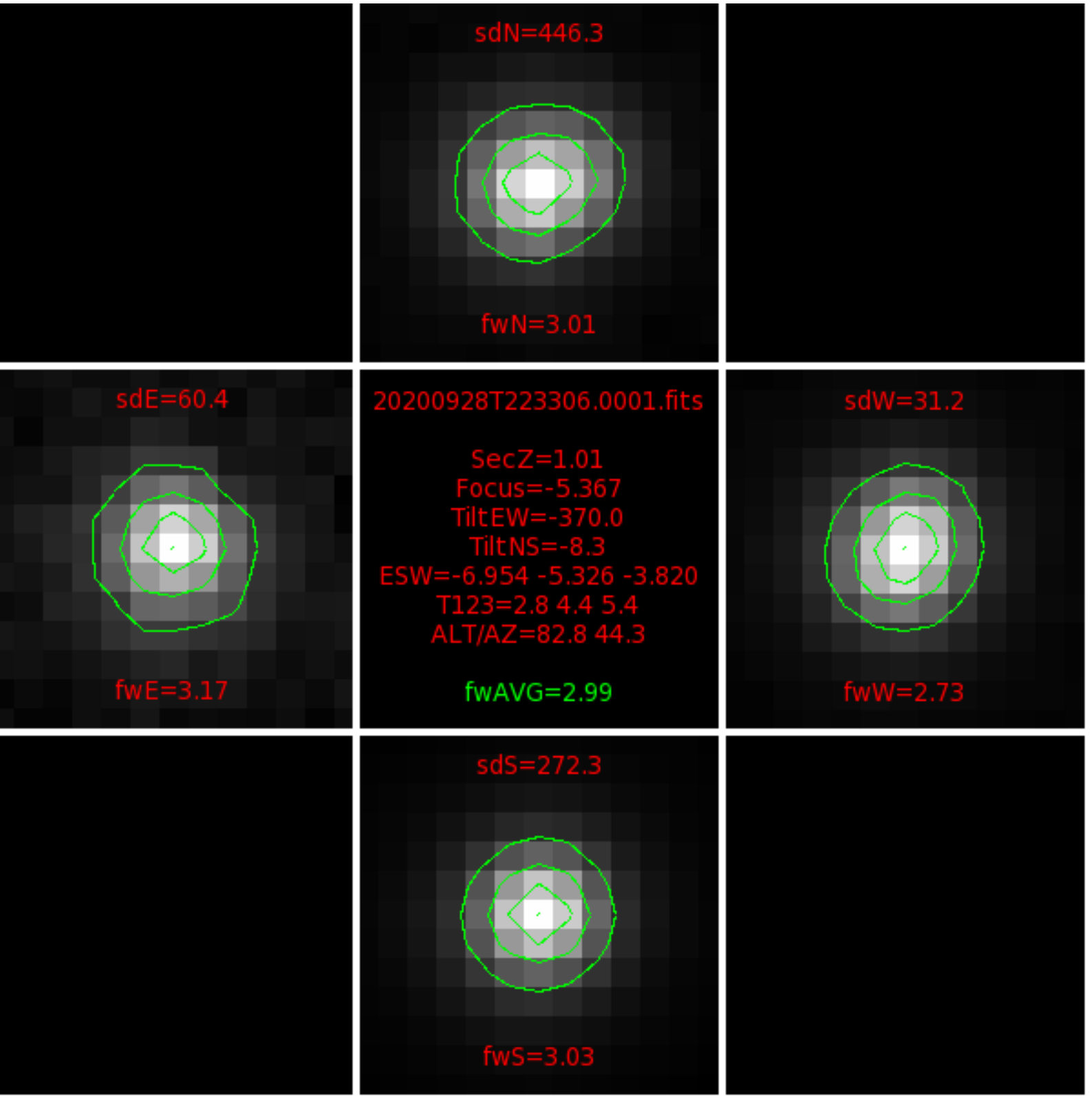
sdN=446.3
fwN=3.01
sdE=60.4
fwE=3.17
20200928T223306.0001.fits
SecZ=1.01
Focus=-5.367
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.954 -5.326 -3.820
T123=2.8 4.4 5.4
ALT/AZ=82.8 44.3
fwAVG=2.99
sdW=31.2
fwW=2.73
sdS=272.3
fwS=3.03
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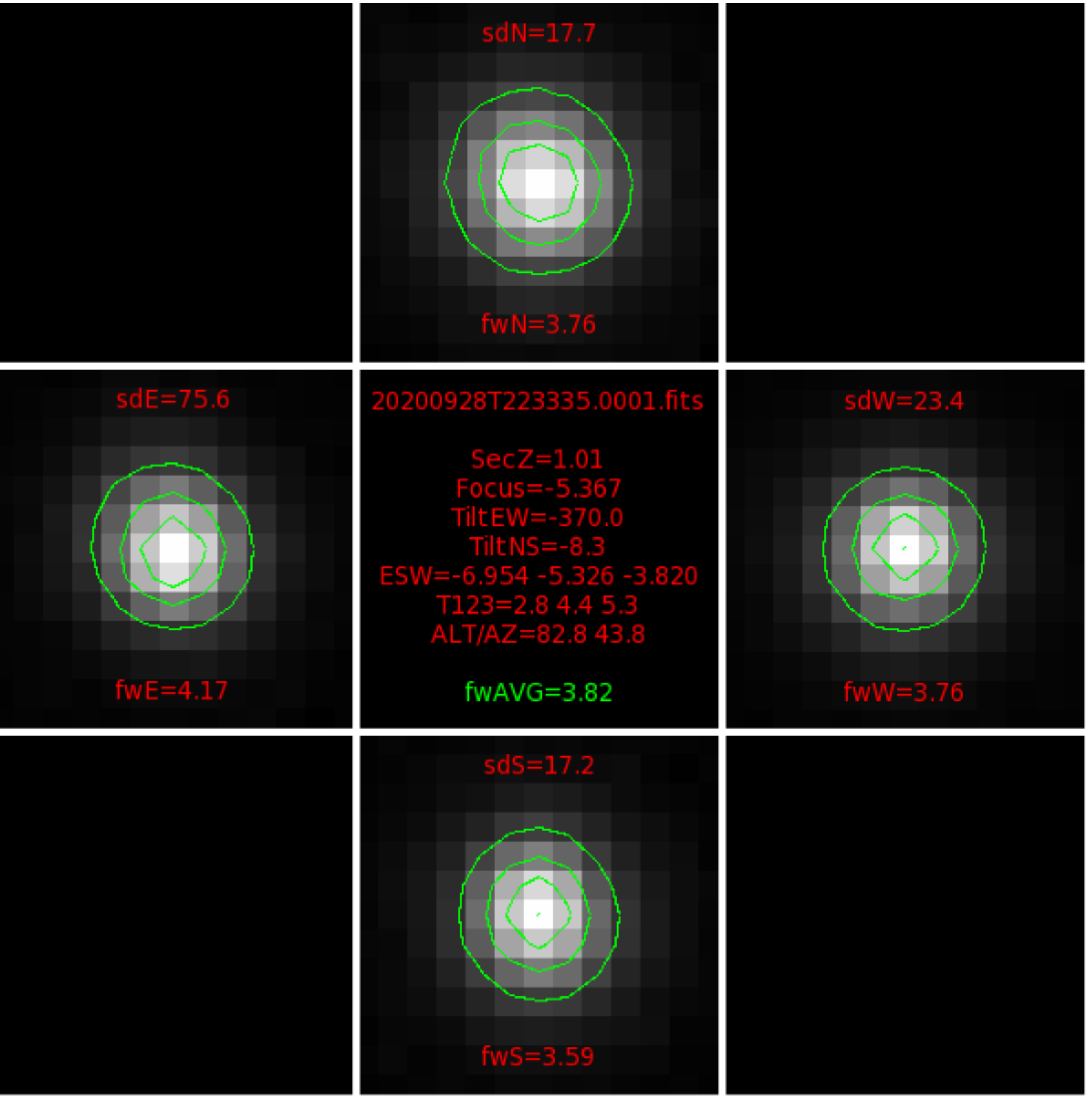
sdN=17.7
fwN=3.76
sdE=75.6
fwE=4.17
20200928T223335.0001.fits
SecZ=1.01
Focus=-5.367
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.954 -5.326 -3.820
T123=2.8 4.4 5.3
ALT/AZ=82.8 43.8
fwAVG=3.82
sdW=23.4
fwW=3.76
sdS=17.2
fwS=3.59
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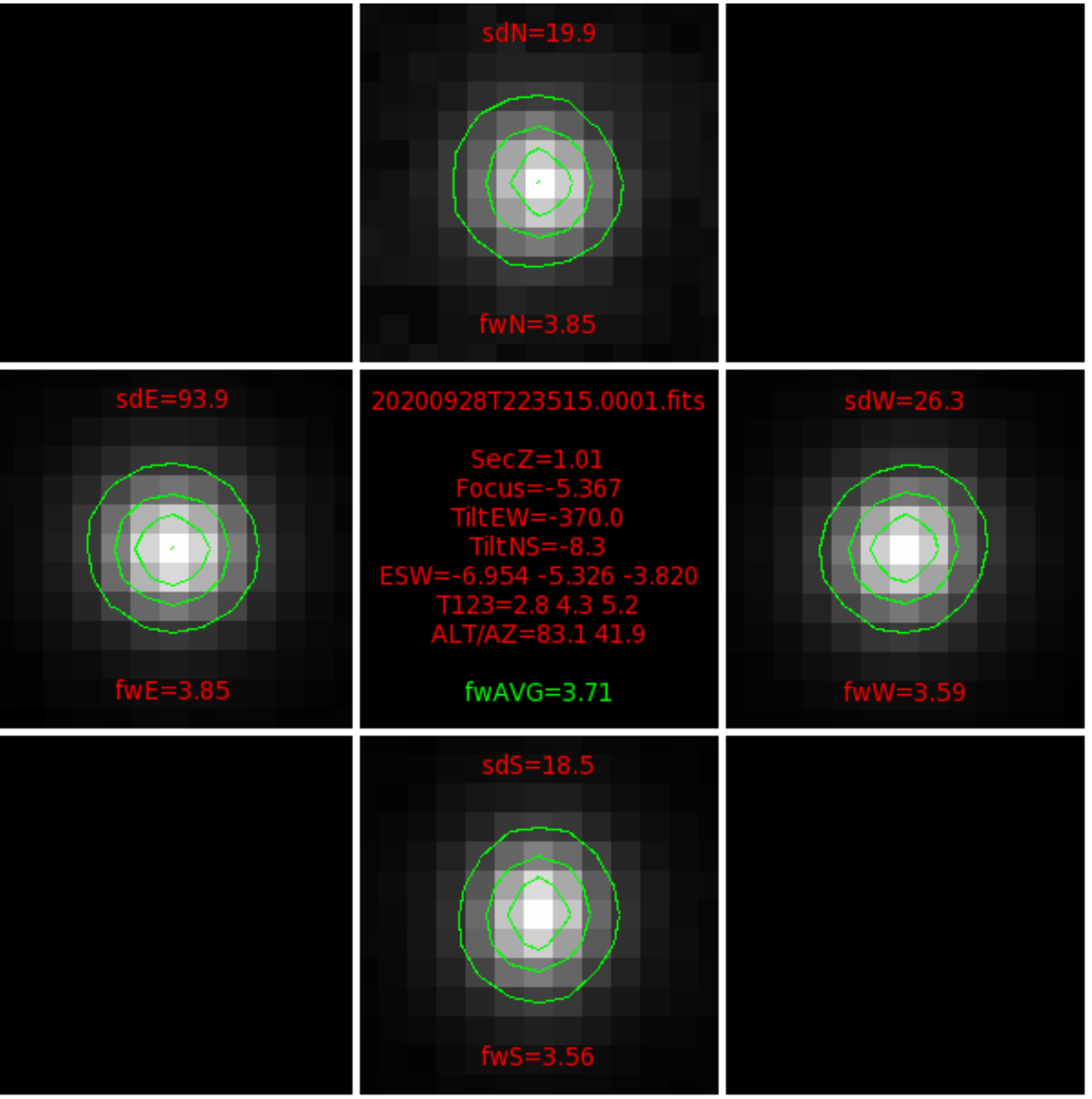
sdN=19.9
fwN=3.85
sdE=93.9
fwE=3.85
20200928T223515.0001.fits
SecZ=1.01
Focus=-5.367
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.954 -5.326 -3.820
T123=2.8 4.3 5.2
ALT/AZ=83.1 41.9
fwAVG=3.71
sdW=26.3
fwW=3.59
sdS=18.5
fwS=3.56
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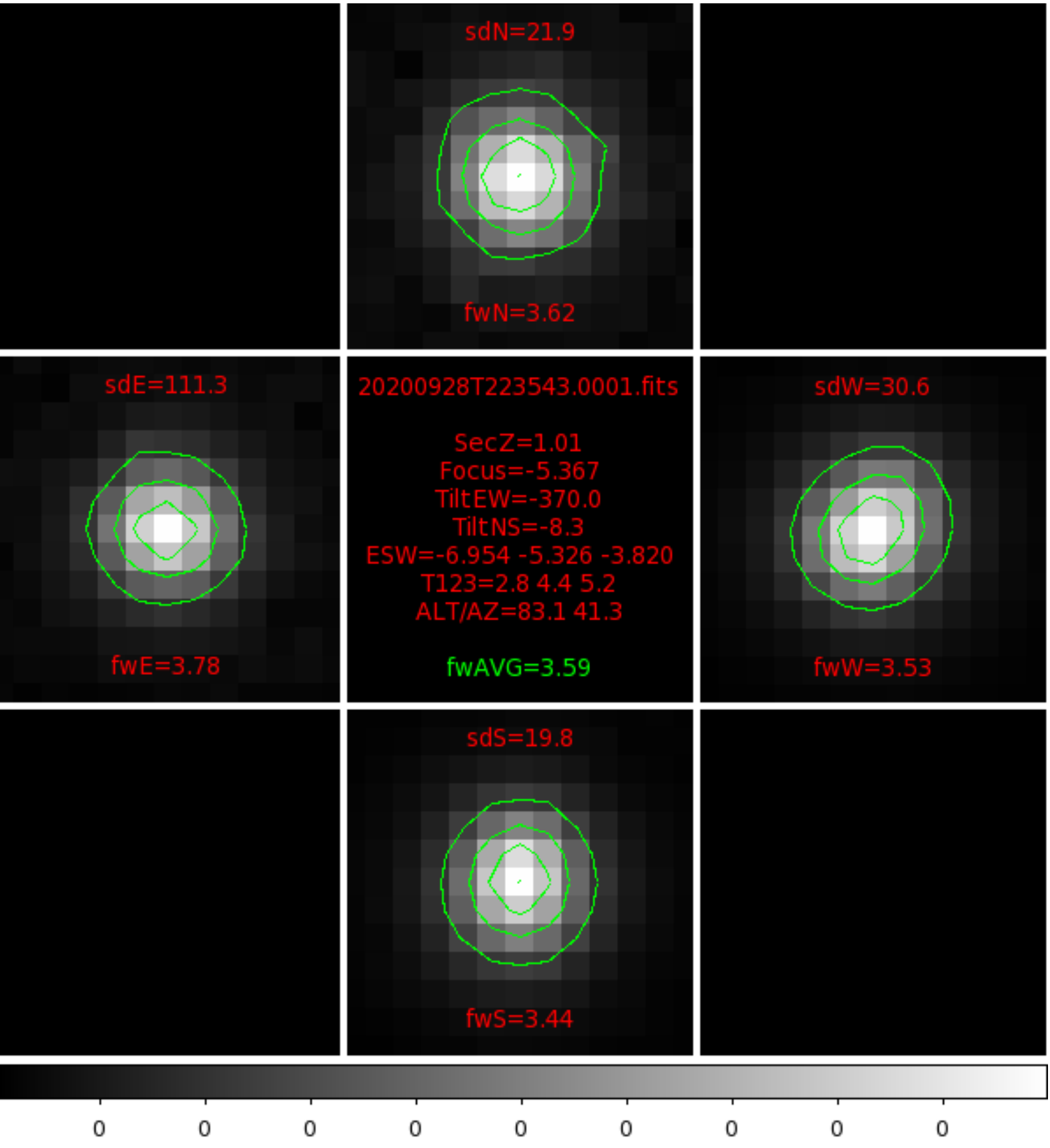
sdN=21.9
fwN=3.62
sdE=111.3
fwE=3.78
20200928T223543.0001.fits
SecZ=1.01
Focus=-5.367
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.954 -5.326 -3.820
T123=2.8 4.4 5.2
ALT/AZ=83.1 41.3
fwAVG=3.59
sdW=30.6
fwW=3.53
sdS=19.8
fwS=3.44
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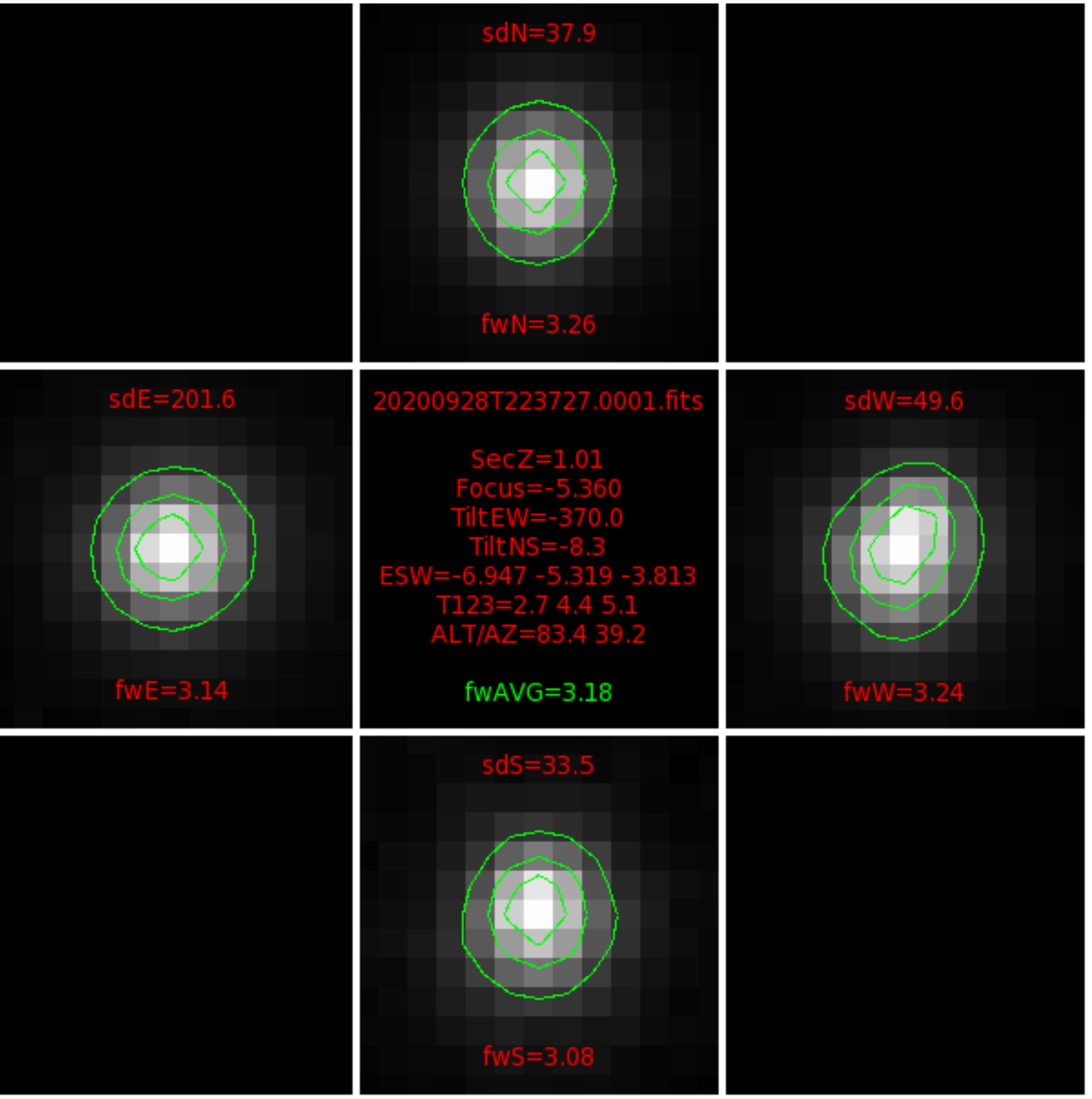
sdN=37.9
fwN=3.26
sdE=201.6
fwE=3.14
20200928T223727.0001.fits
SecZ=1.01
Focus=-5.360
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.947 -5.319 -3.813
T123=2.7 4.4 5.1
ALT/AZ=83.4 39.2
fwAVG=3.18
sdW=49.6
fwW=3.24
sdS=33.5
fwS=3.08
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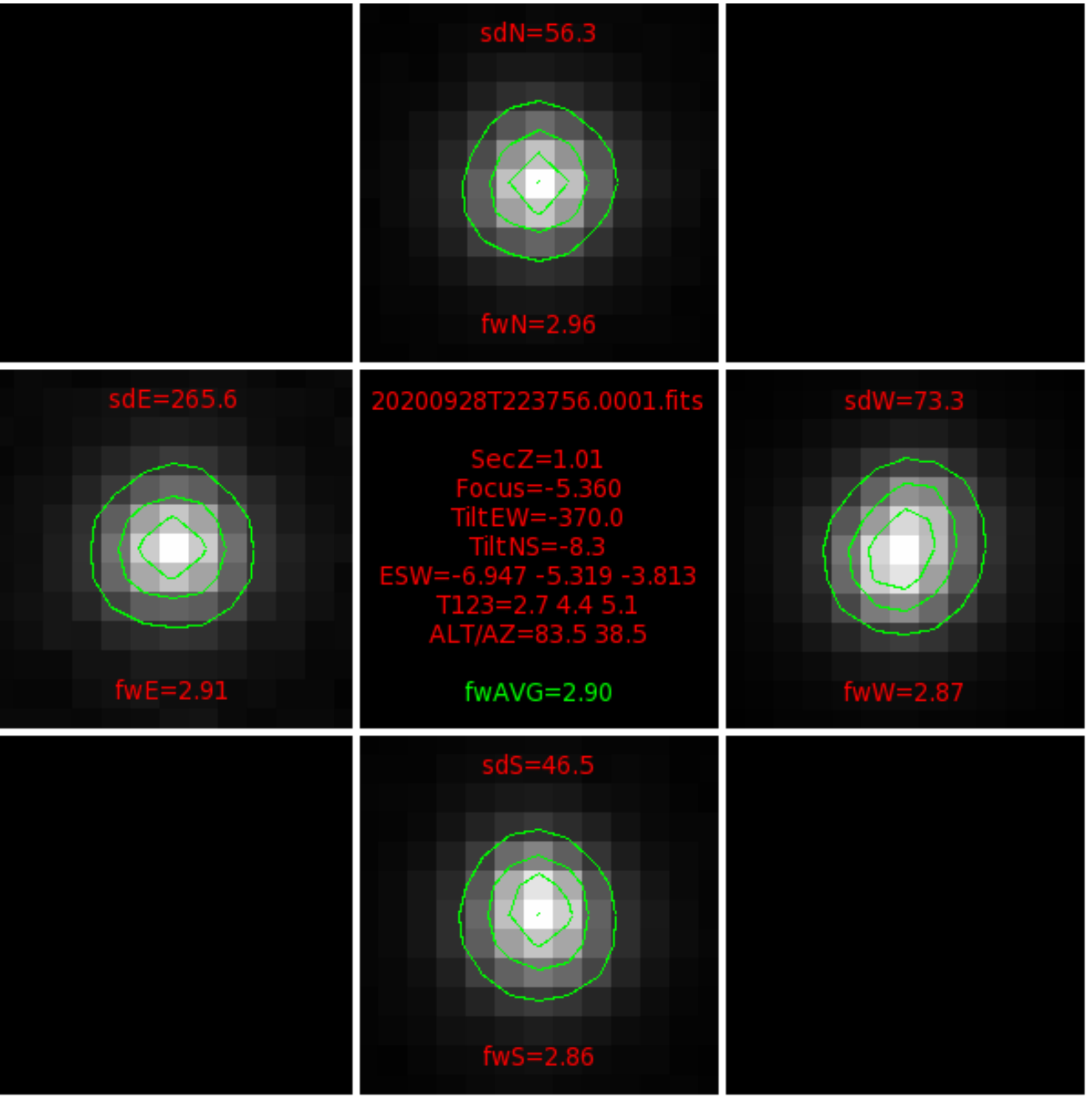
sdN=56.3
fwN=2.96
sdE=265.6
fwE=2.91
20200928T223756.0001.fits
SecZ=1.01
Focus=-5.360
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.947 -5.319 -3.813
T123=2.7 4.4 5.1
ALT/AZ=83.5 38.5
fwAVG=2.90
sdW=73.3
fwW=2.87
sdS=46.5
fwS=2.86
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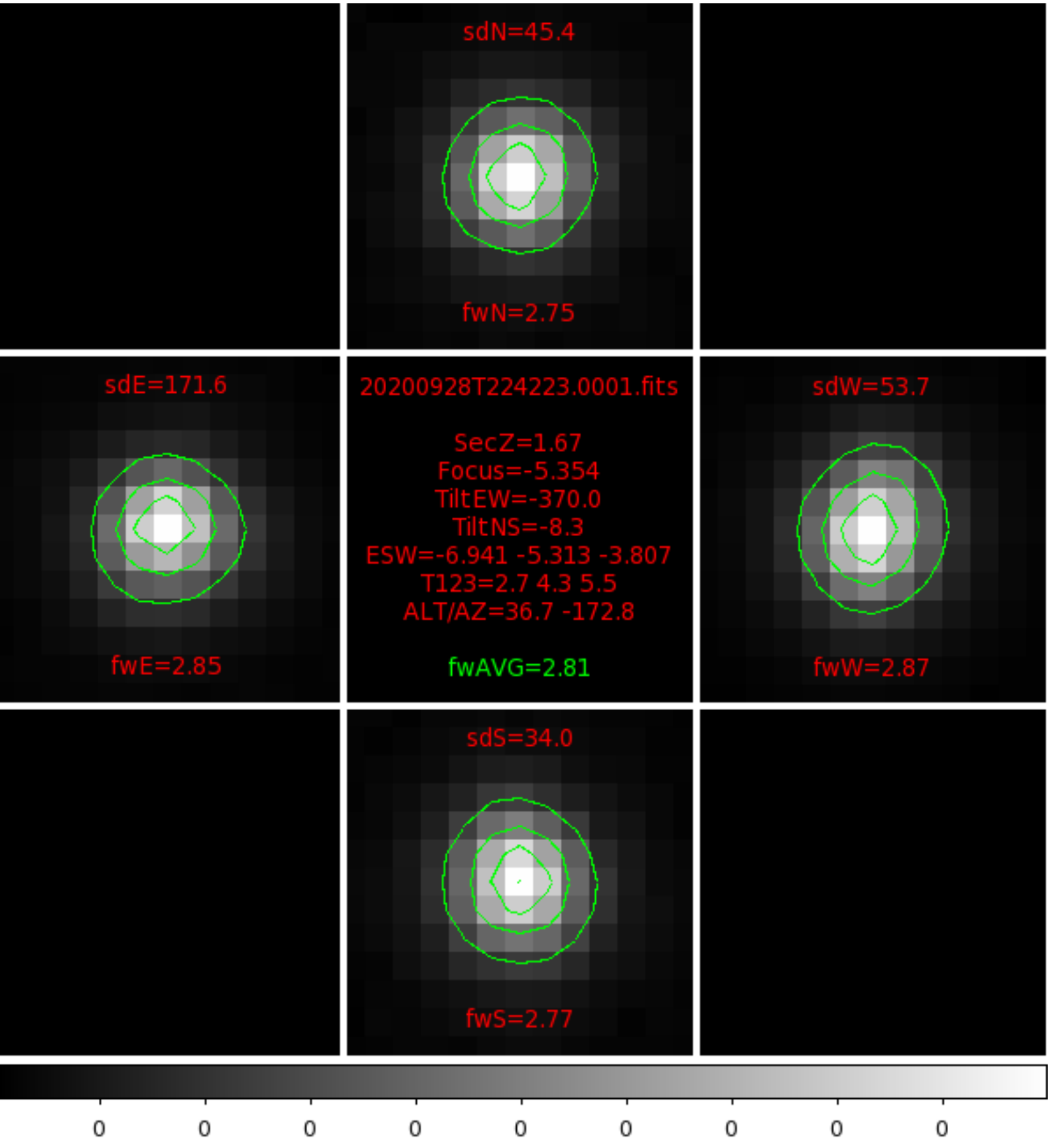
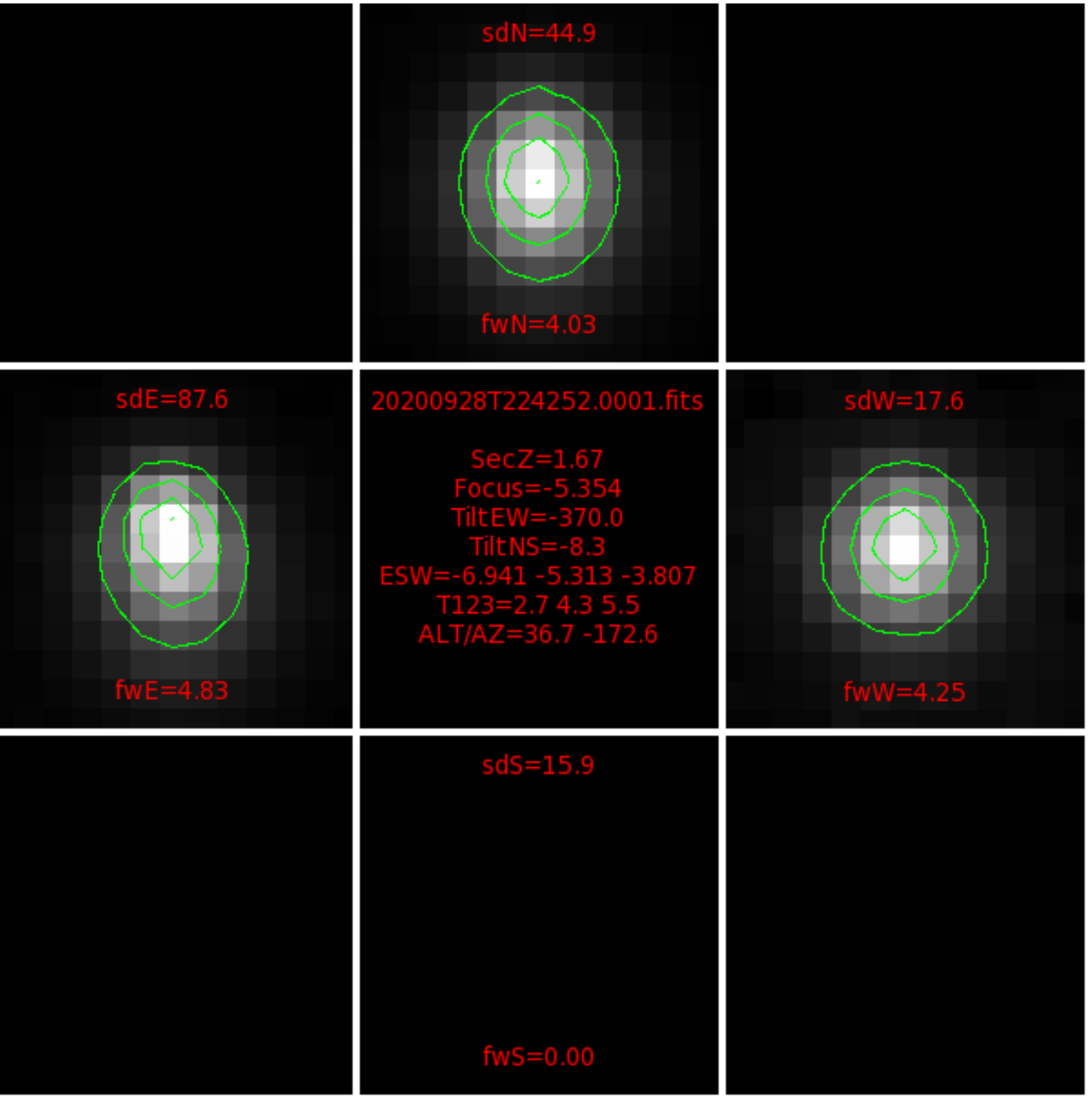

sdN=45.4
fwN=2.75
sdE=171.6
fwE=2.85
20200928T224223.0001.fits
SecZ=1.67
Focus=-5.354
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.941 -5.313 -3.807
T123=2.7 4.3 5.5
ALT/AZ=36.7 -172.8
fwAVG=2.81
sdW=53.7
fwW=2.87
sdS=34.0
fwS=2.77
0 0 0 0 0 0 0 0 0


sdN=44.9
fwN=4.03
sdE=87.6
fwE=4.83
20200928T224252.0001.fits
SecZ=1.67
Focus=-5.354
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.941 -5.313 -3.807
T123=2.7 4.3 5.5
ALT/AZ=36.7 -172.6
sdW=17.6
fwW=4.25
sdS=15.9
fwS=0.00
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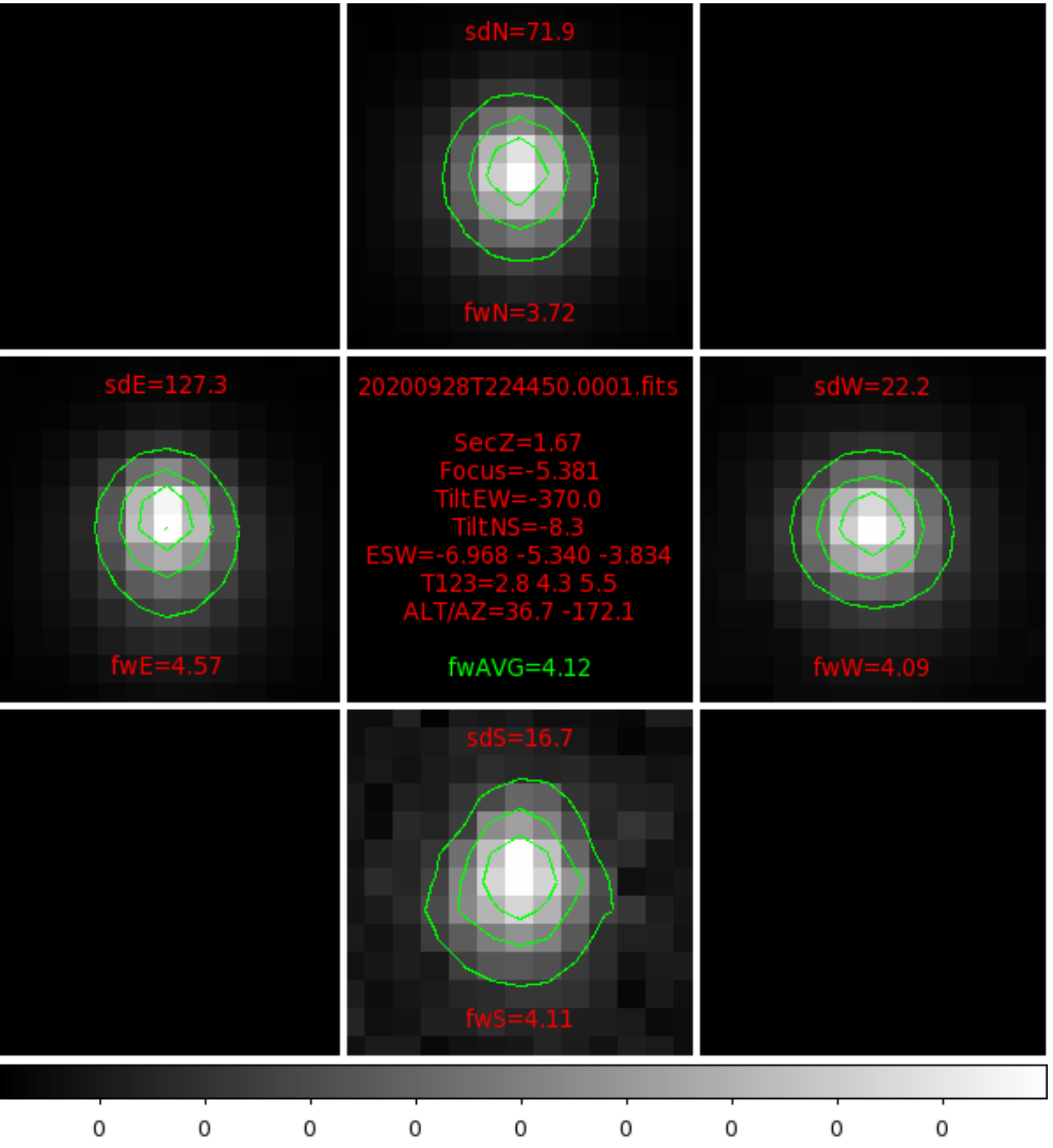
sdN=71.9
fwN=3.72
sdE=127.3
fwE=4.57
20200928T224450.0001.fits
SecZ=1.67
Focus=-5.381
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.968 -5.340 -3.834
T123=2.8 4.3 5.5
ALT/AZ=36.7 -172.1
fwAVG=4.12
sdW=22.2
fwW=4.09
sdS=16.7
fwS=4.11
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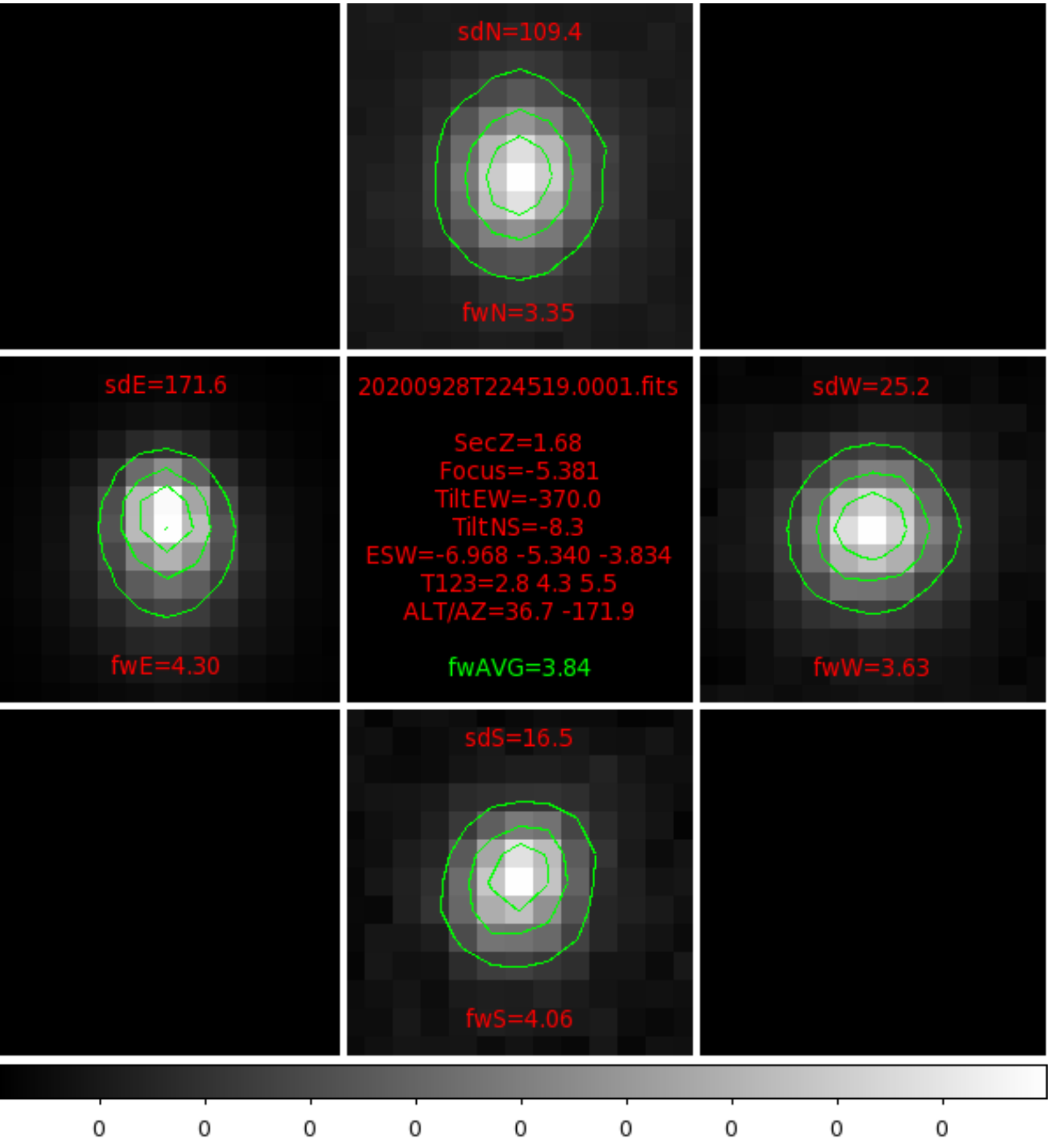
sdN=109.4
fwN=3.35
sdE=171.6
fwE=4.30
20200928T224519.0001.fits
SecZ=1.68
Focus=-5.381
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.968 -5.340 -3.834
T123=2.8 4.3 5.5
ALT/AZ=36.7 -171.9
fwAVG=3.84
sdW=25.2
fwW=3.63
sdS=16.5
fwS=4.06
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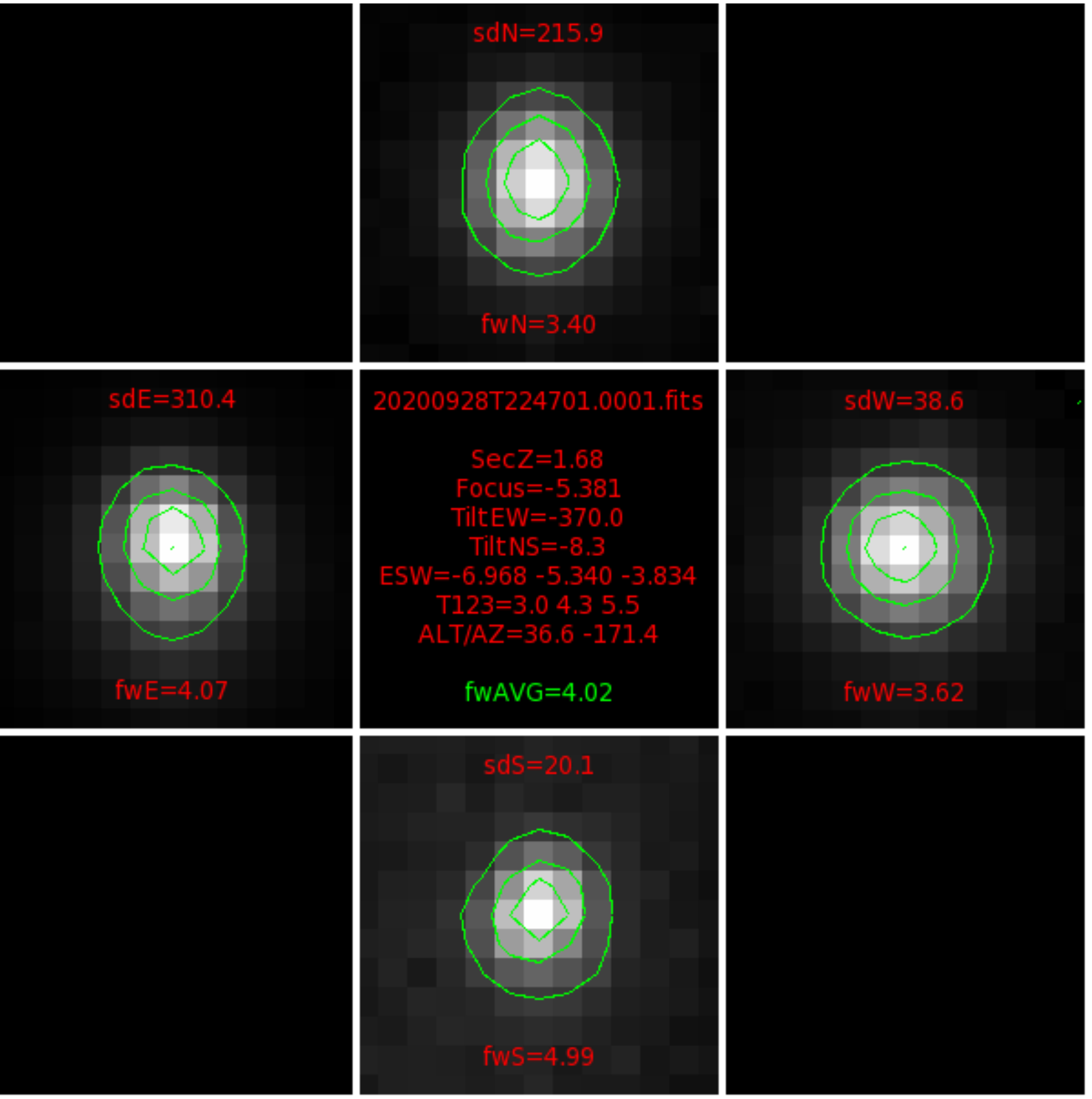
sdN=215.9
fwN=3.40
sdE=310.4
fwE=4.07
20200928T224701.0001.fits
SecZ=1.68
Focus=-5.381
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.968 -5.340 -3.834
T123=3.0 4.3 5.5
ALT/AZ=36.6 -171.4
fwAVG=4.02
sdW=38.6
fwW=3.62
sdS=20.1
fwS=4.99
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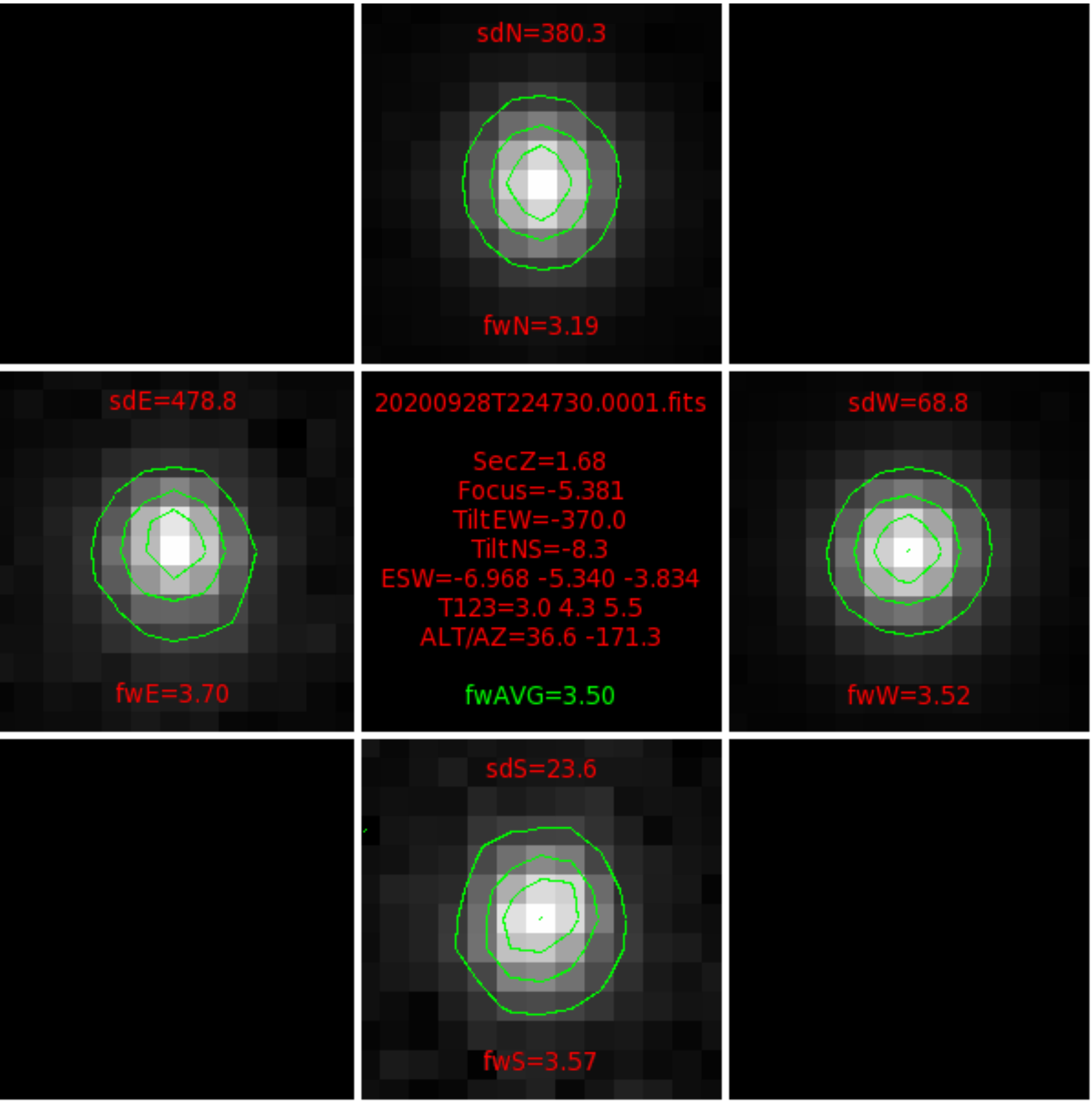
sdN=380.3
fwN=3.19
sdE=478.8
fwE=3.70
20200928T224730.0001.fits
SecZ=1.68
Focus=-5.381
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.968 -5.340 -3.834
T123=3.0 4.3 5.5
ALT/AZ=36.6 -171.3
fwAVG=3.50
sdW=68.8
fwW=3.52
sdS=23.6
fwS=3.57
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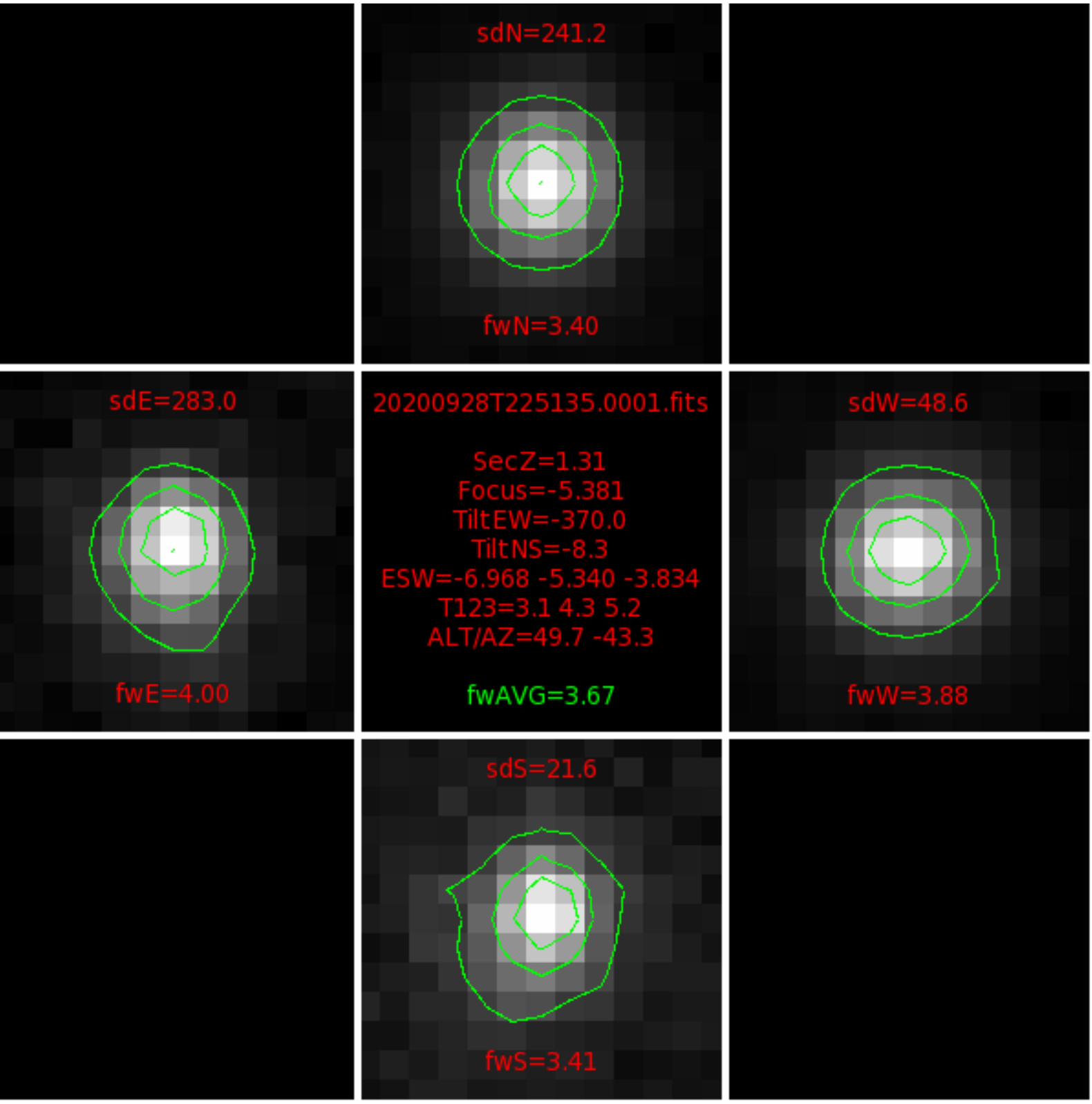
sdN=241.2
fwN=3.40
sdE=283.0
fwE=4.00
20200928T225135.0001.fits
SecZ=1.31
Focus=-5.381
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.968 -5.340 -3.834
T123=3.1 4.3 5.2
ALT/AZ=49.7 -43.3
fwAVG=3.67
sdW=48.6
fwW=3.88
sdS=21.6
fwS=3.41
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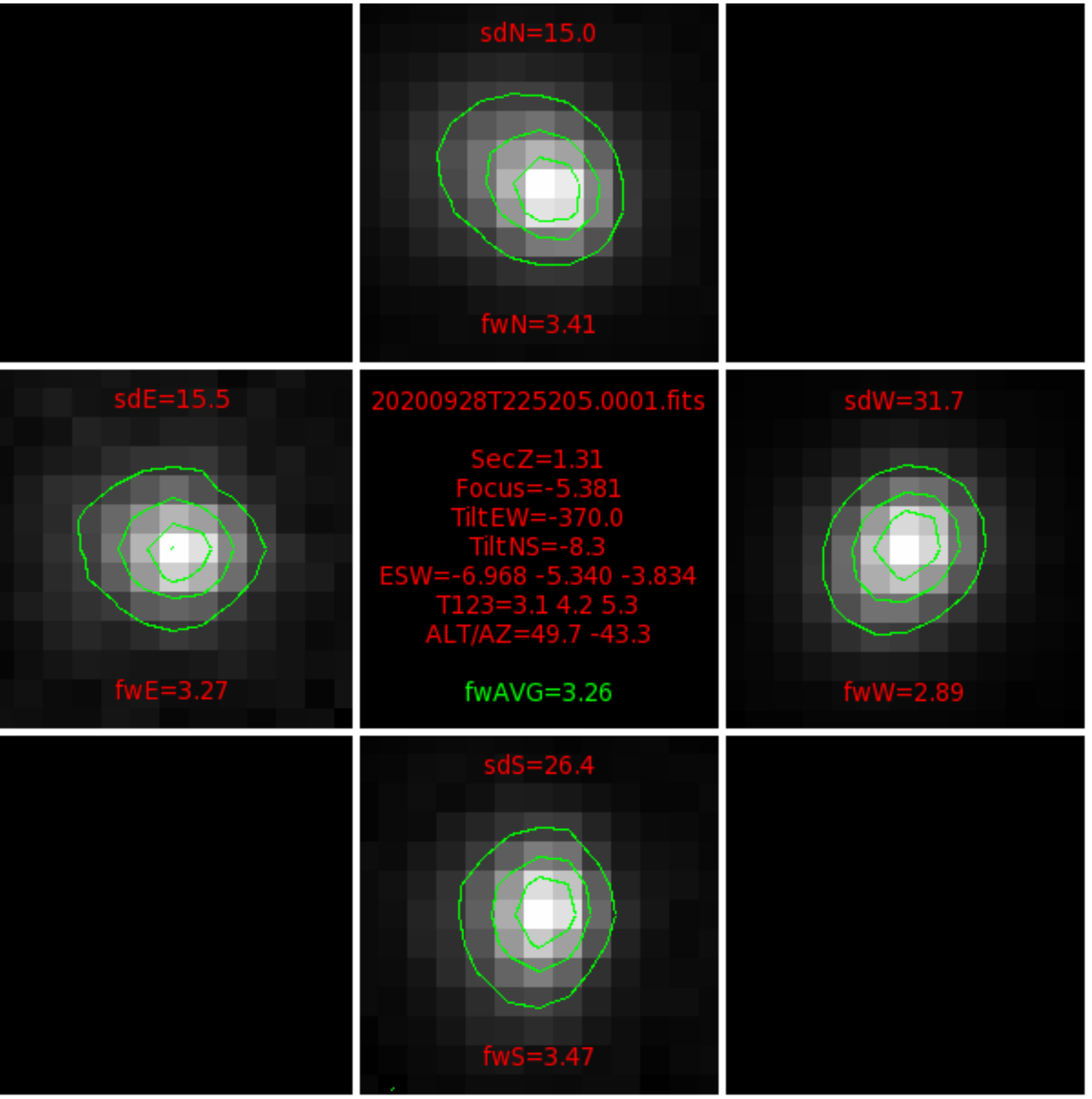
sdN=15.0
fwN=3.41
sdE=15.5
fwE=3.27
20200928T225205.0001.fits
SecZ=1.31
Focus=-5.381
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.968 -5.340 -3.834
T123=3.1 4.2 5.3
ALT/AZ=49.7 -43.3
fwAVG=3.26
sdW=31.7
fwW=2.89
sdS=26.4
fwS=3.47
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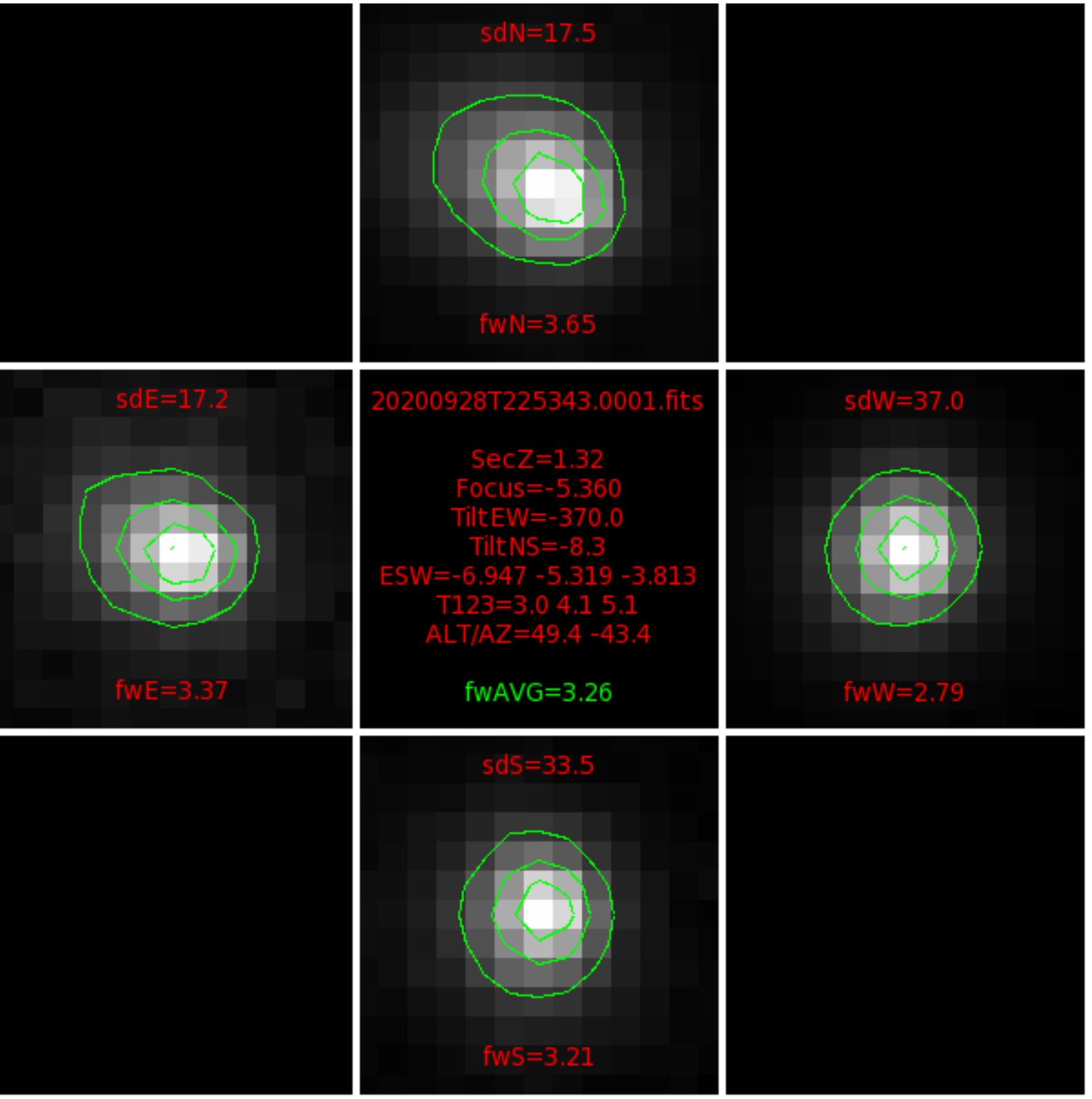
sdN=17.5
fwN=3.65
sdE=17.2
fwE=3.37
20200928T225343.0001.fits
SecZ=1.32
Focus=-5.360
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.947 -5.319 -3.813
T123=3.0 4.1 5.1
ALT/AZ=49.4 -43.4
fwAVG=3.26
sdW=37.0
fwW=2.79
sdS=33.5
fwS=3.21
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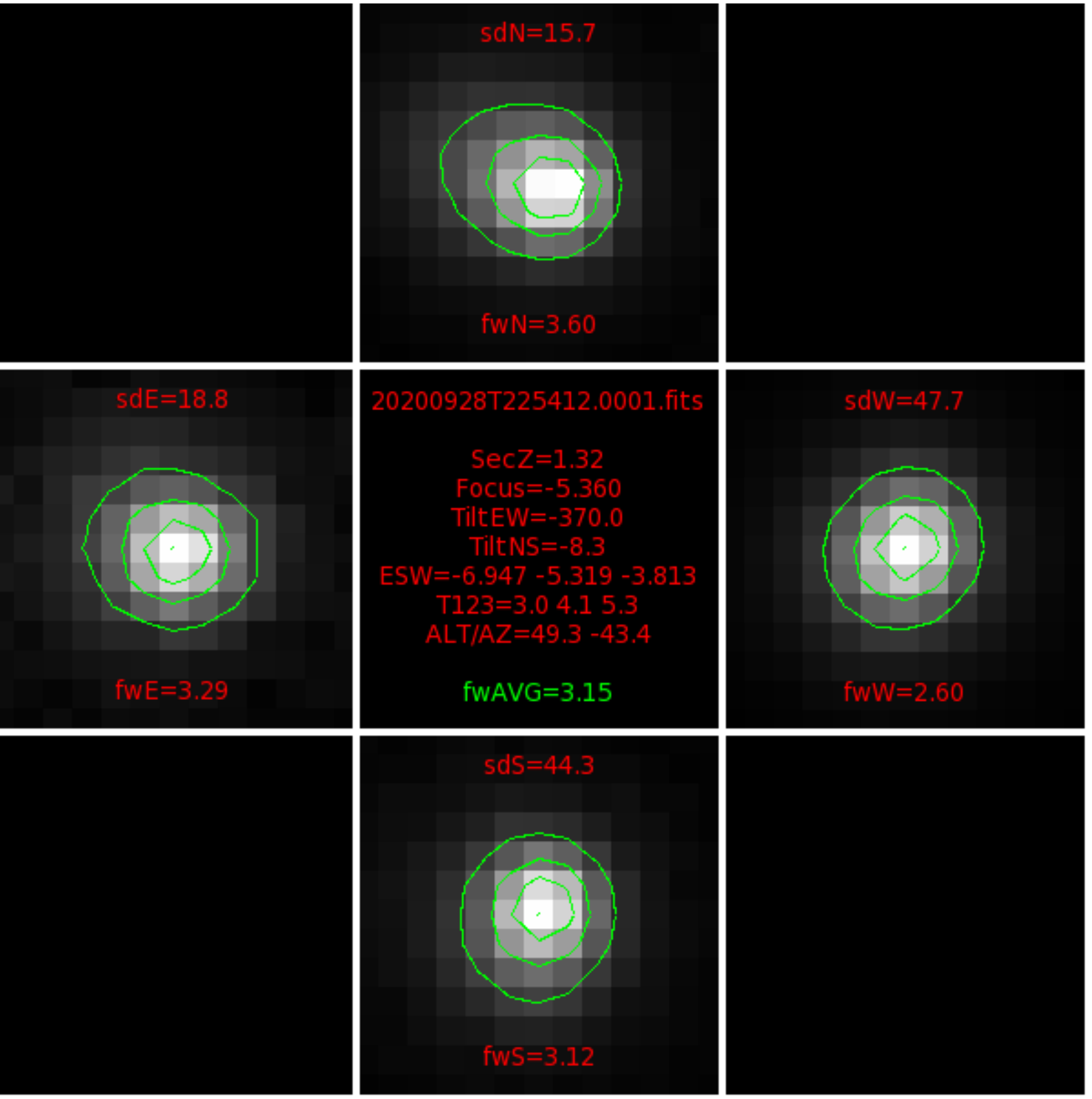
sdN=15.7
fwN=3.60
sdE=18.8
fwE=3.29
20200928T225412.0001.fits
SecZ=1.32
Focus=-5.360
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.947 -5.319 -3.813
T123=3.0 4.1 5.3
ALT/AZ=49.3 -43.4
fwAVG=3.15
sdW=47.7
fwW=2.60
sdS=44.3
fwS=3.12
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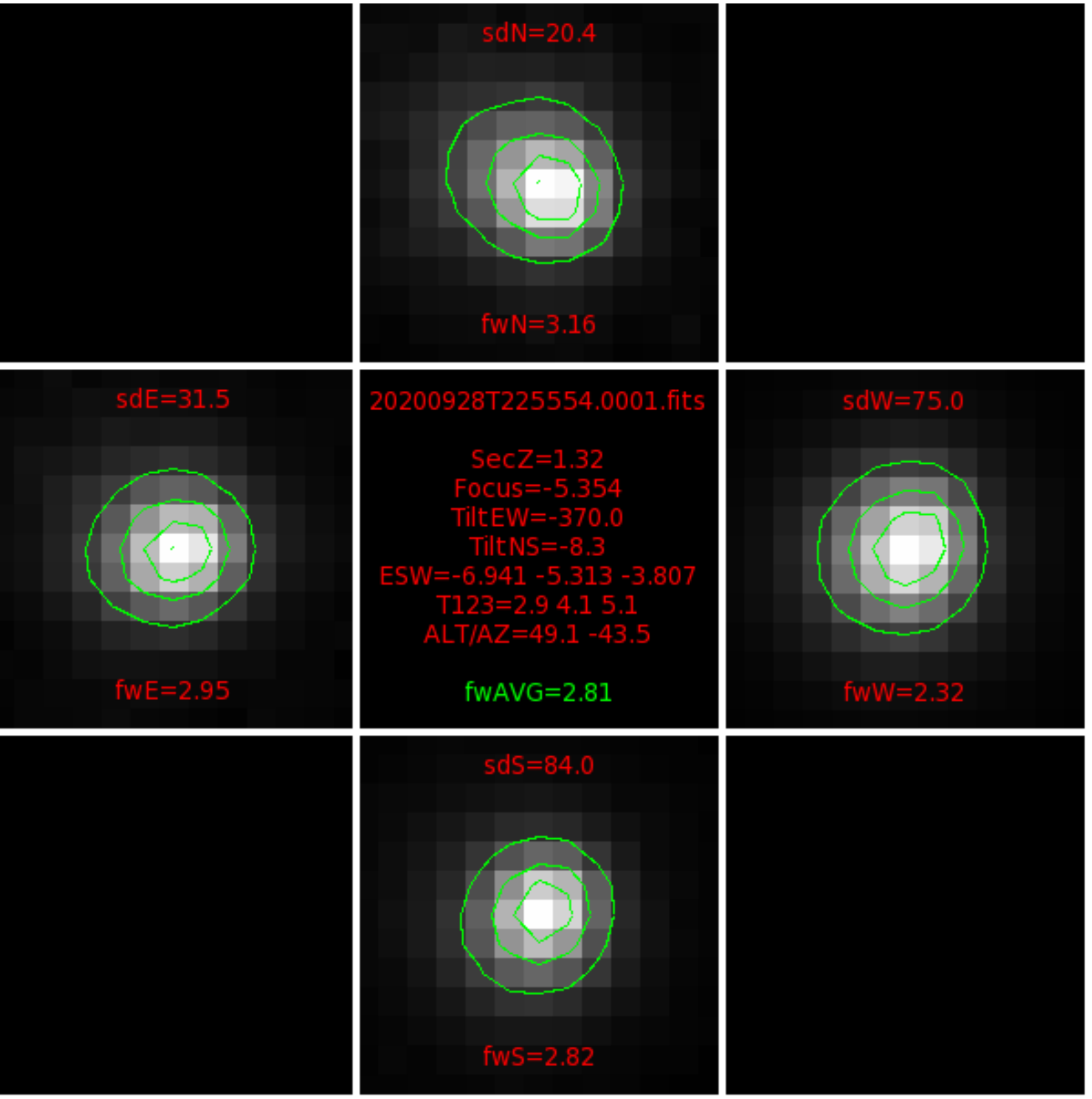
sdN=20.4
fwN=3.16
sdE=31.5
fwE=2.95
20200928T225554.0001.fits
SecZ=1.32
Focus=-5.354
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.941 -5.313 -3.807
T123=2.9 4.1 5.1
ALT/AZ=49.1 -43.5
fwAVG=2.81
sdW=75.0
fwW=2.32
sdS=84.0
fwS=2.82
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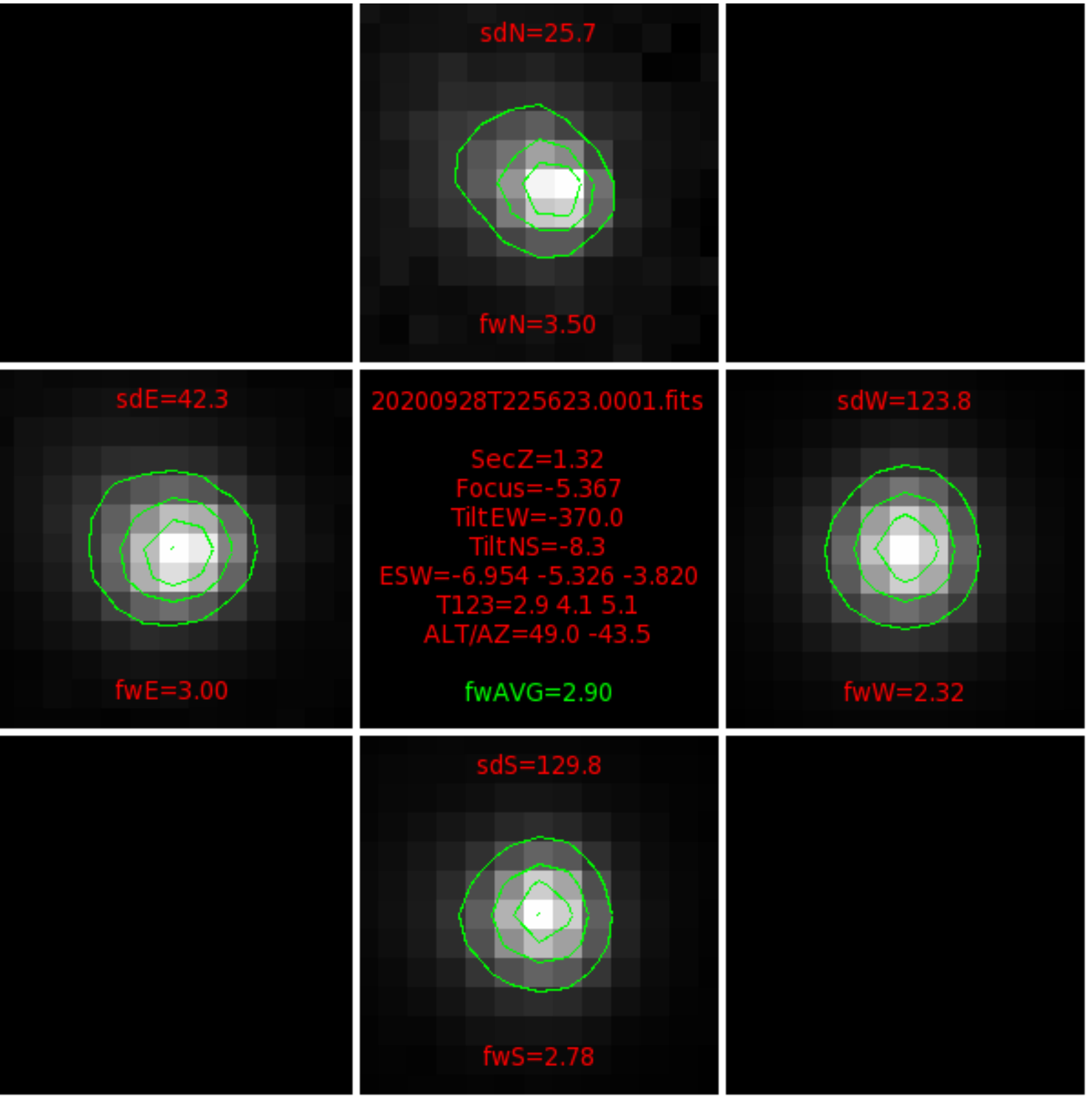
sdN=25.7
fwN=3.50
sdE=42.3
fwE=3.00
20200928T225623.0001.fits
SecZ=1.32
Focus=-5.367
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.954 -5.326 -3.820
T123=2.9 4.1 5.1
ALT/AZ=49.0 -43.5
fwAVG=2.90
sdW=123.8
fwW=2.32
sdS=129.8
fwS=2.78
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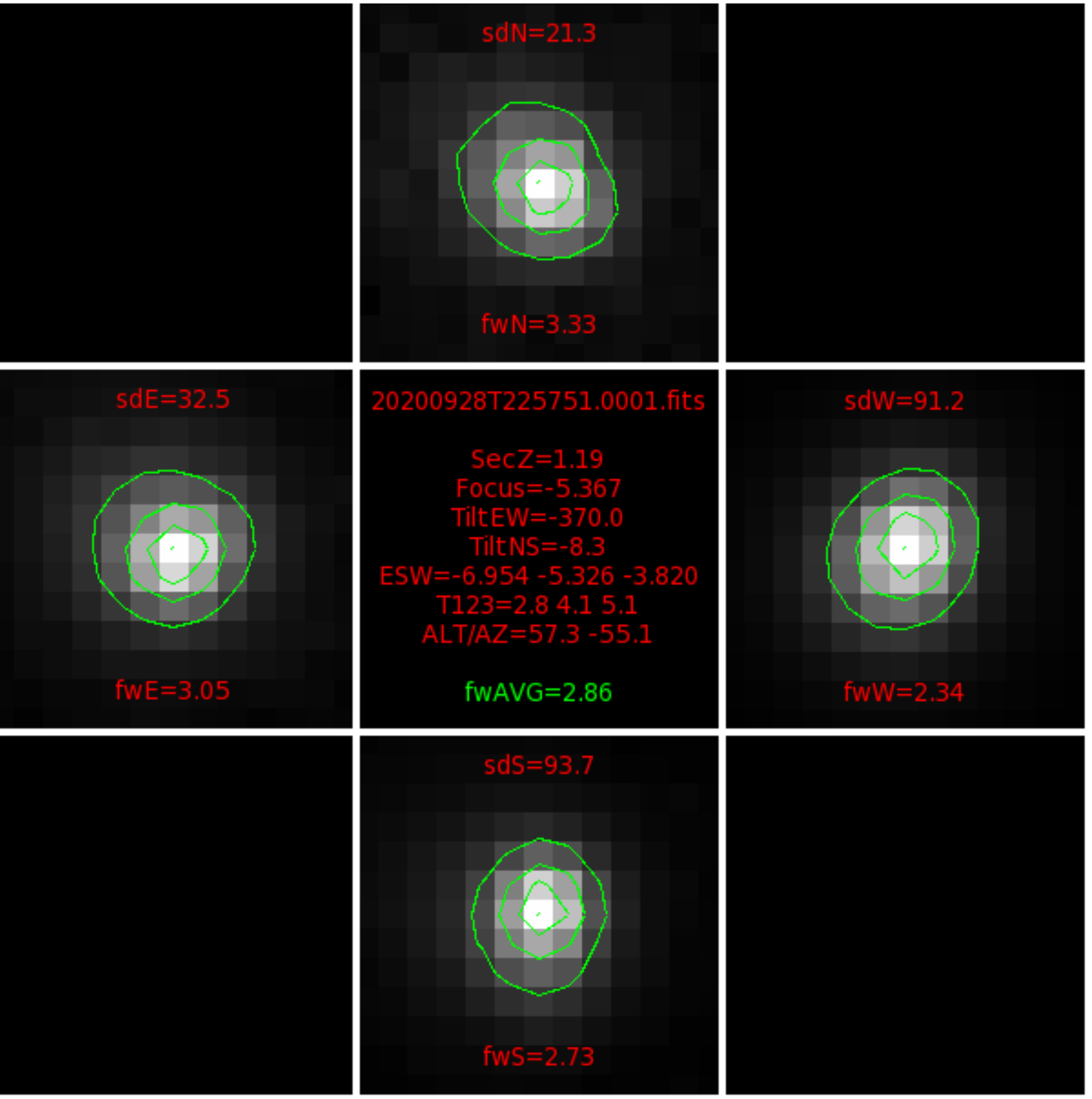
sdN=21.3
fwN=3.33
sdE=32.5
fwE=3.05
20200928T225751.0001.fits
SecZ=1.19
Focus=-5.367
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.954 -5.326 -3.820
T123=2.8 4.1 5.1
ALT/AZ=57.3 -55.1
fwAVG=2.86
sdW=91.2
fwW=2.34
sdS=93.7
fwS=2.73
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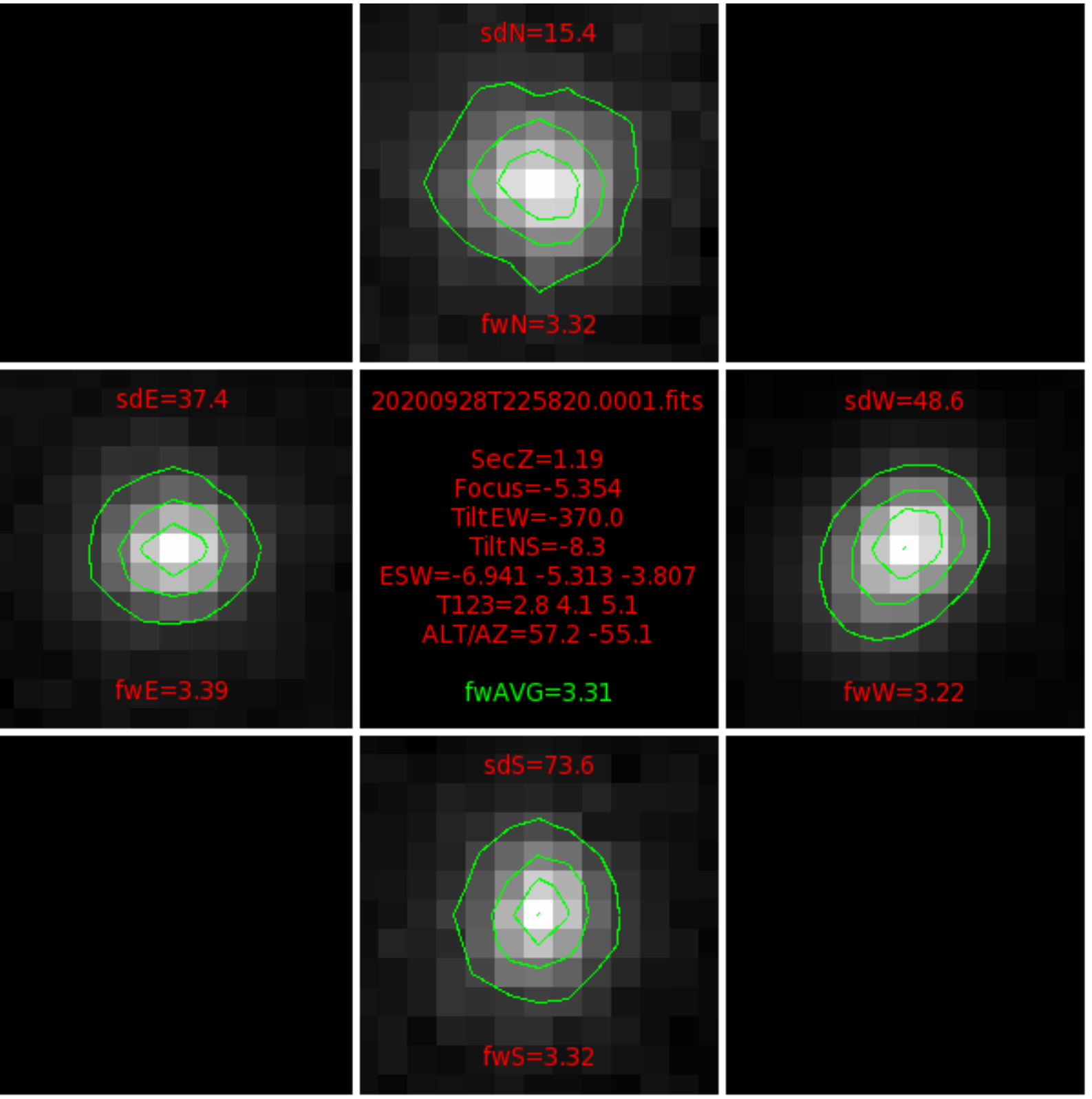
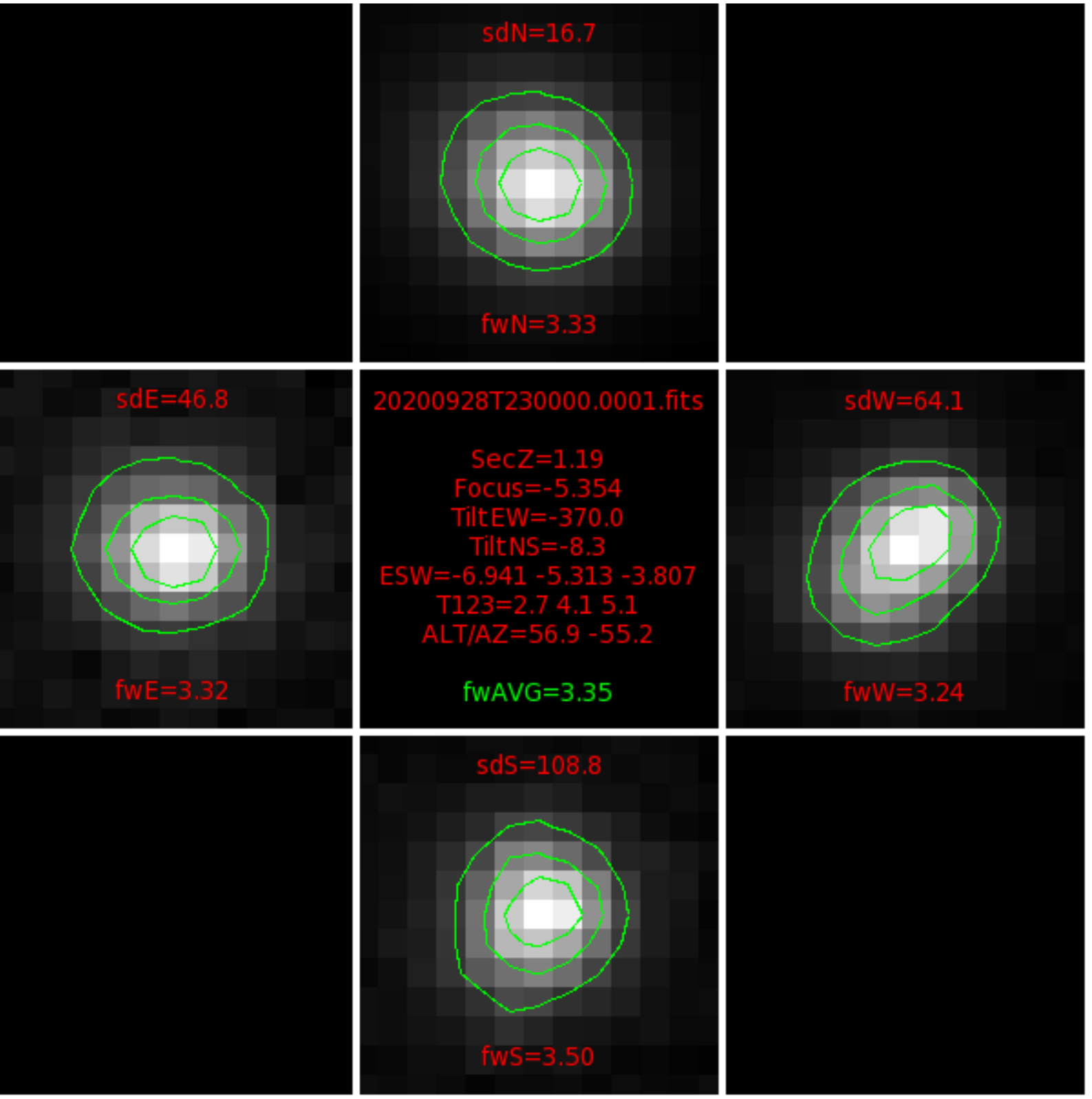

sdN=15.4
fwN=3.32
sdE=37.4
fwE=3.39
20200928T225820.0001.fits
SecZ=1.19
Focus=-5.354
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.941 -5.313 -3.807
T123=2.8 4.1 5.1
ALT/AZ=57.2 -55.1
fwAVG=3.31
sdW=48.6
fwW=3.22
sdS=73.6
fwS=3.32
0 0 0 0 0 0 0 0 0


sdN=16.7
fwN=3.33
sdE=46.8
fwE=3.32
20200928T230000.0001.fits
SecZ=1.19
Focus=-5.354
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.941 -5.313 -3.807
T123=2.7 4.1 5.1
ALT/AZ=56.9 -55.2
fwAVG=3.35
sdW=64.1
fwW=3.24
sdS=108.8
fwS=3.50
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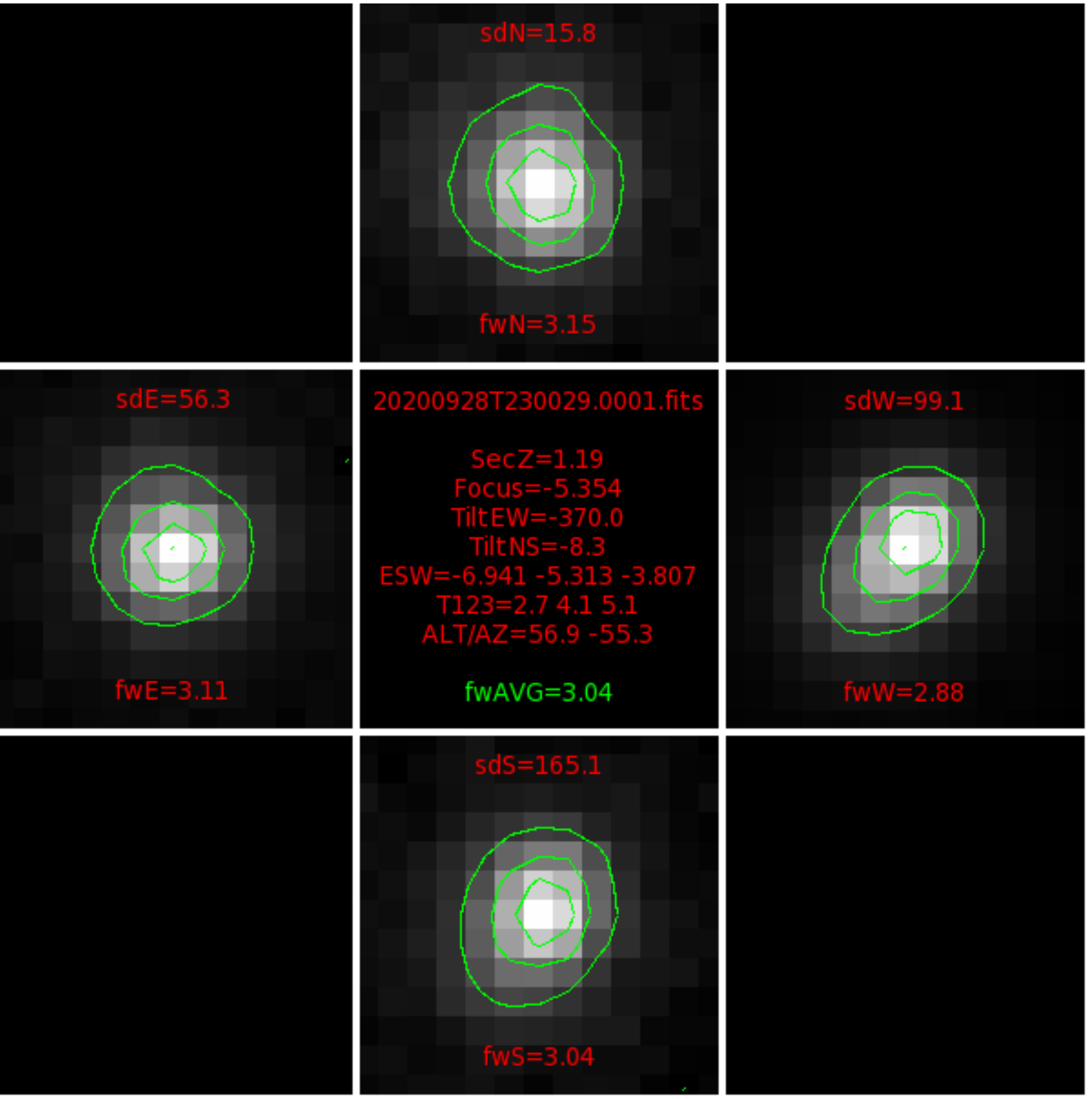
sdN=15.8
fwN=3.15
sdE=56.3
fwE=3.11
20200928T230029.0001.fits
SecZ=1.19
Focus=-5.354
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.941 -5.313 -3.807
T123=2.7 4.1 5.1
ALT/AZ=56.9 -55.3
fwAVG=3.04
sdW=99.1
fwW=2.88
sdS=165.1
fwS=3.04
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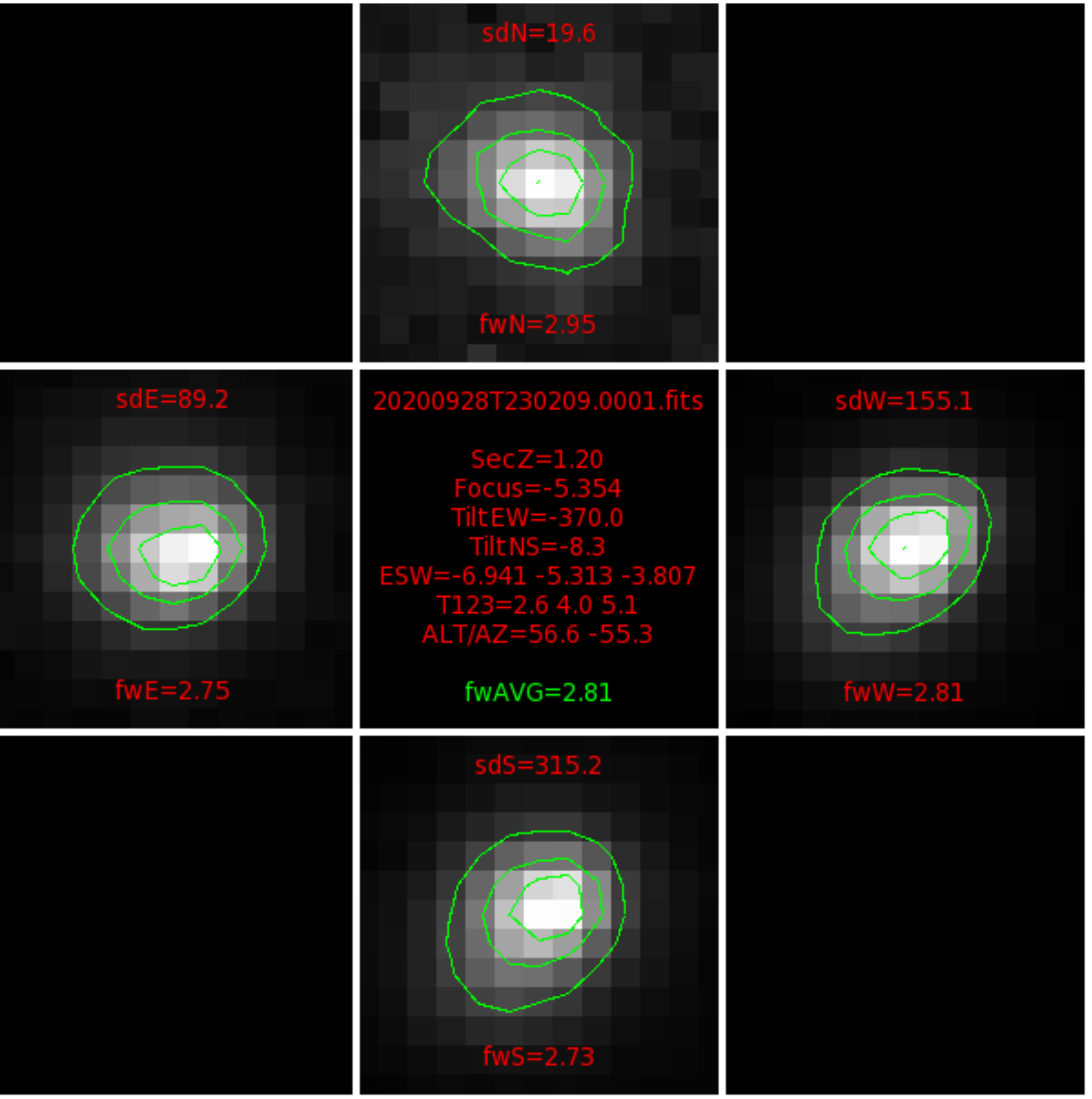
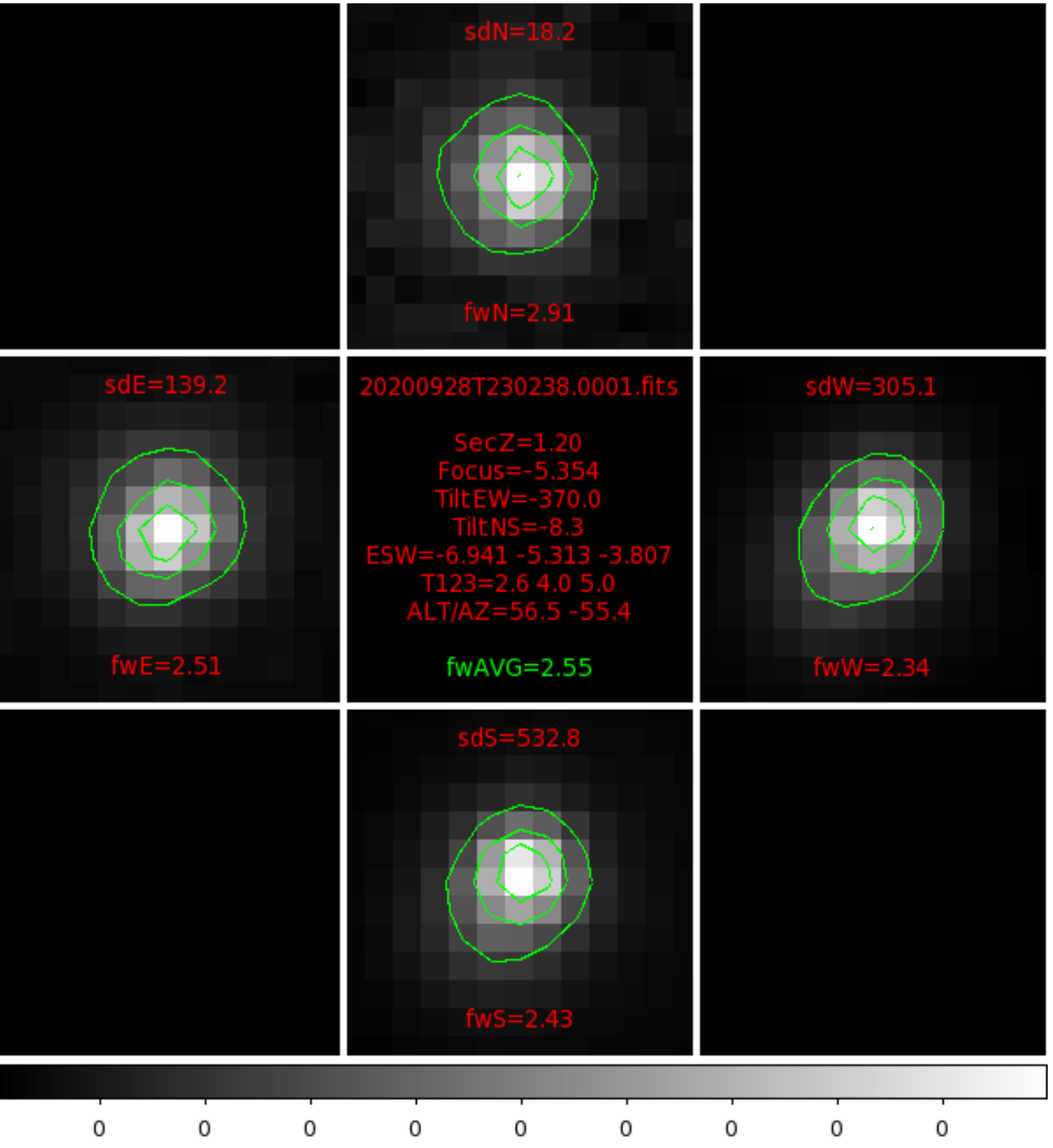

sdN=19.6
fwN=2.95
sdE=89.2
fwE=2.75
20200928T230209.0001.fits
SecZ=1.20
Focus=-5.354
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.941 -5.313 -3.807
T123=2.6 4.0 5.1
ALT/AZ=56.6 -55.3
fwAVG=2.81
sdW=155.1
fwW=2.81
sdS=315.2
fwS=2.73
0 0 0 0 0 0 0 0 0


sdN=18.2
fwN=2.91
sdE=139.2
fwE=2.51
20200928T230238.0001.fits
SecZ=1.20
Focus=-5.354
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.941 -5.313 -3.807
T123=2.6 4.0 5.0
ALT/AZ=56.5 -55.4
fwAVG=2.55
sdW=305.1
fwW=2.34
sdS=532.8
fwS=2.43
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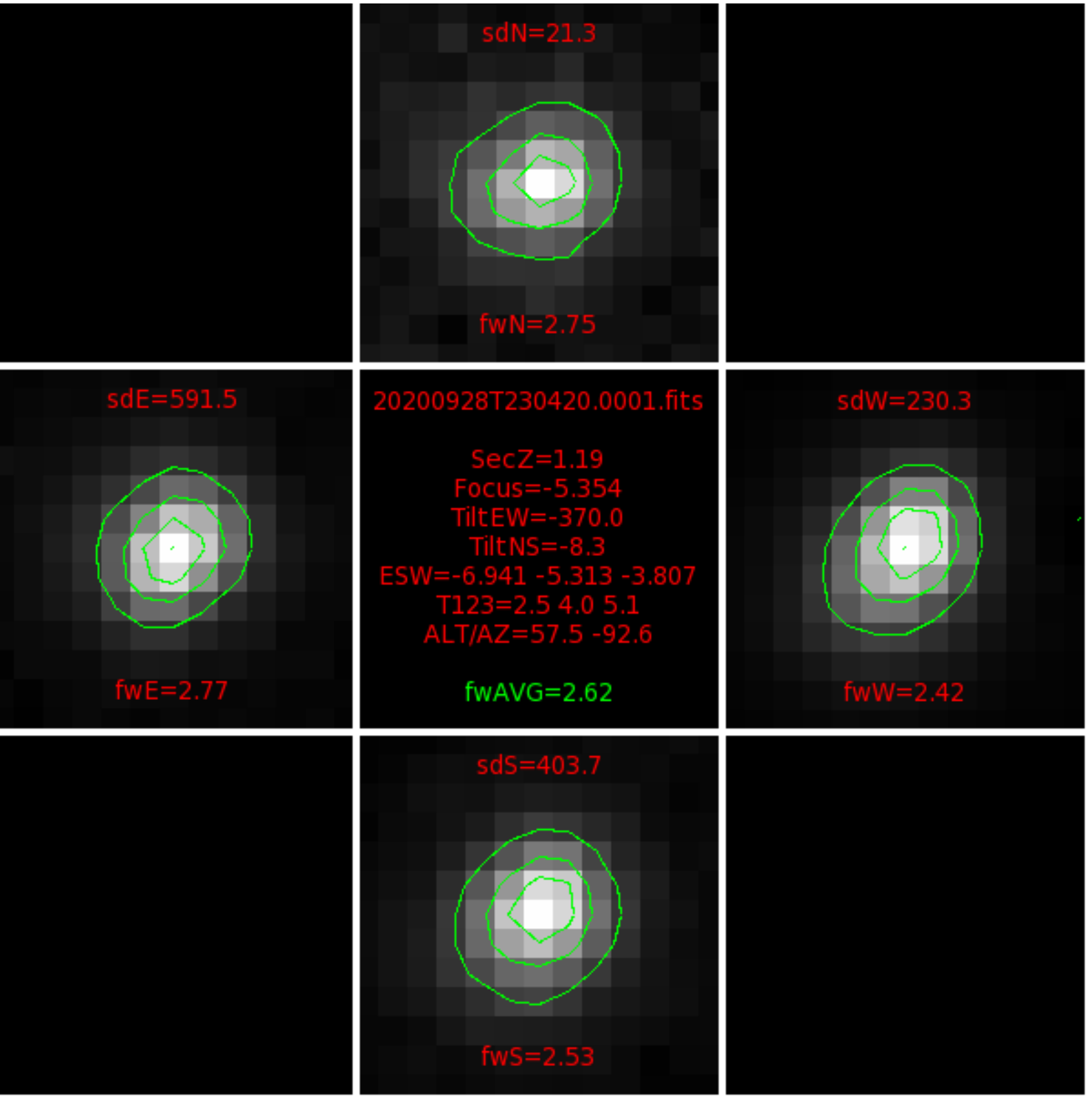
sdN=21.3
fwN=2.75
sdE=591.5
fwE=2.77
20200928T230420.0001.fits
SecZ=1.19
Focus=-5.354
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.941 -5.313 -3.807
T123=2.5 4.0 5.1
ALT/AZ=57.5 -92.6
fwAVG=2.62
sdW=230.3
fwW=2.42
sdS=403.7
fwS=2.53
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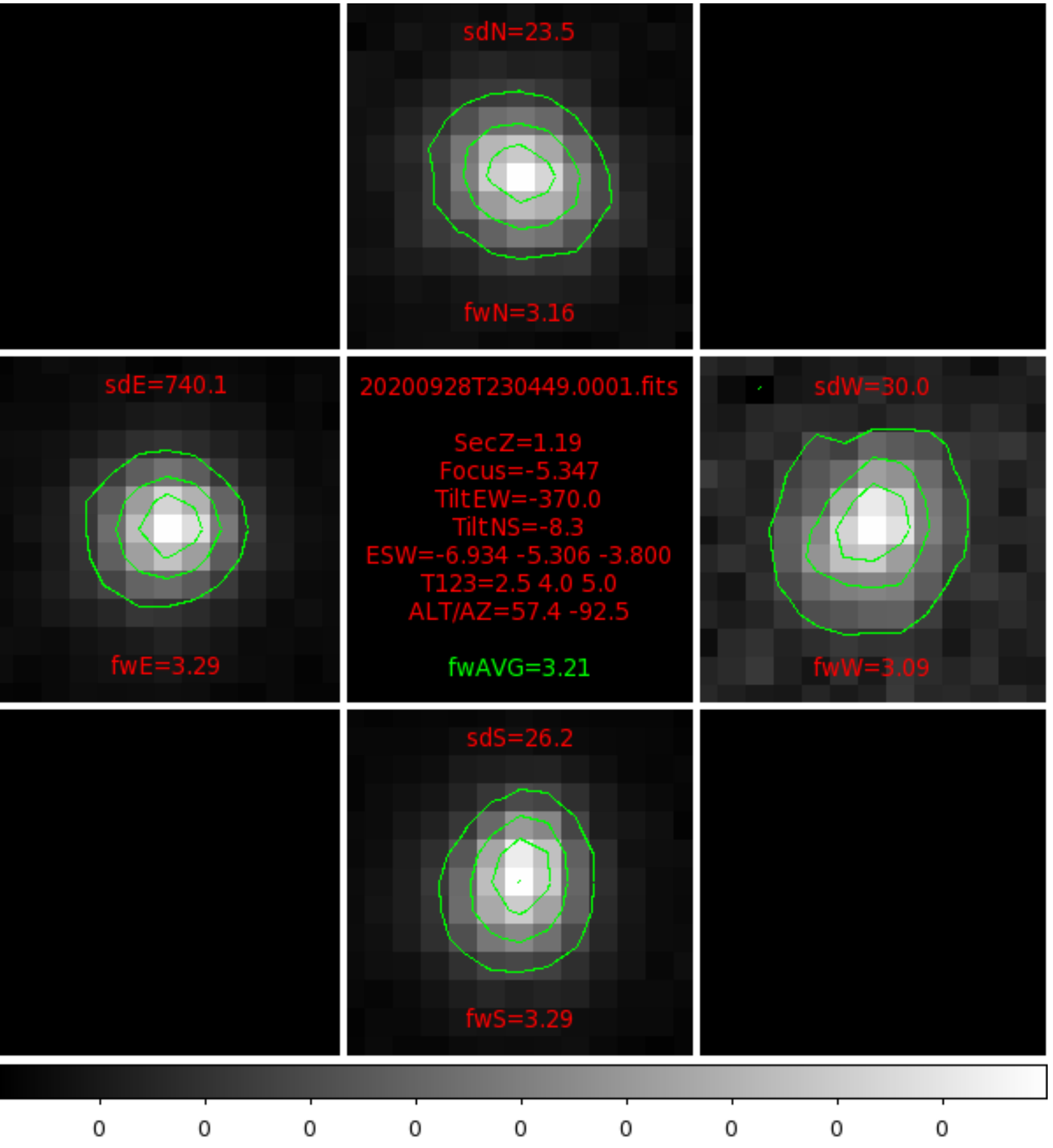
sdN=23.5
fwN=3.16
sdE=740.1
fwE=3.29
20200928T230449.0001.fits
SecZ=1.19
Focus=-5.347
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.934 -5.306 -3.800
T123=2.5 4.0 5.0
ALT/AZ=57.4 -92.5
fwAVG=3.21
sdW=30.0
fwW=3.09
sdS=26.2
fwS=3.29
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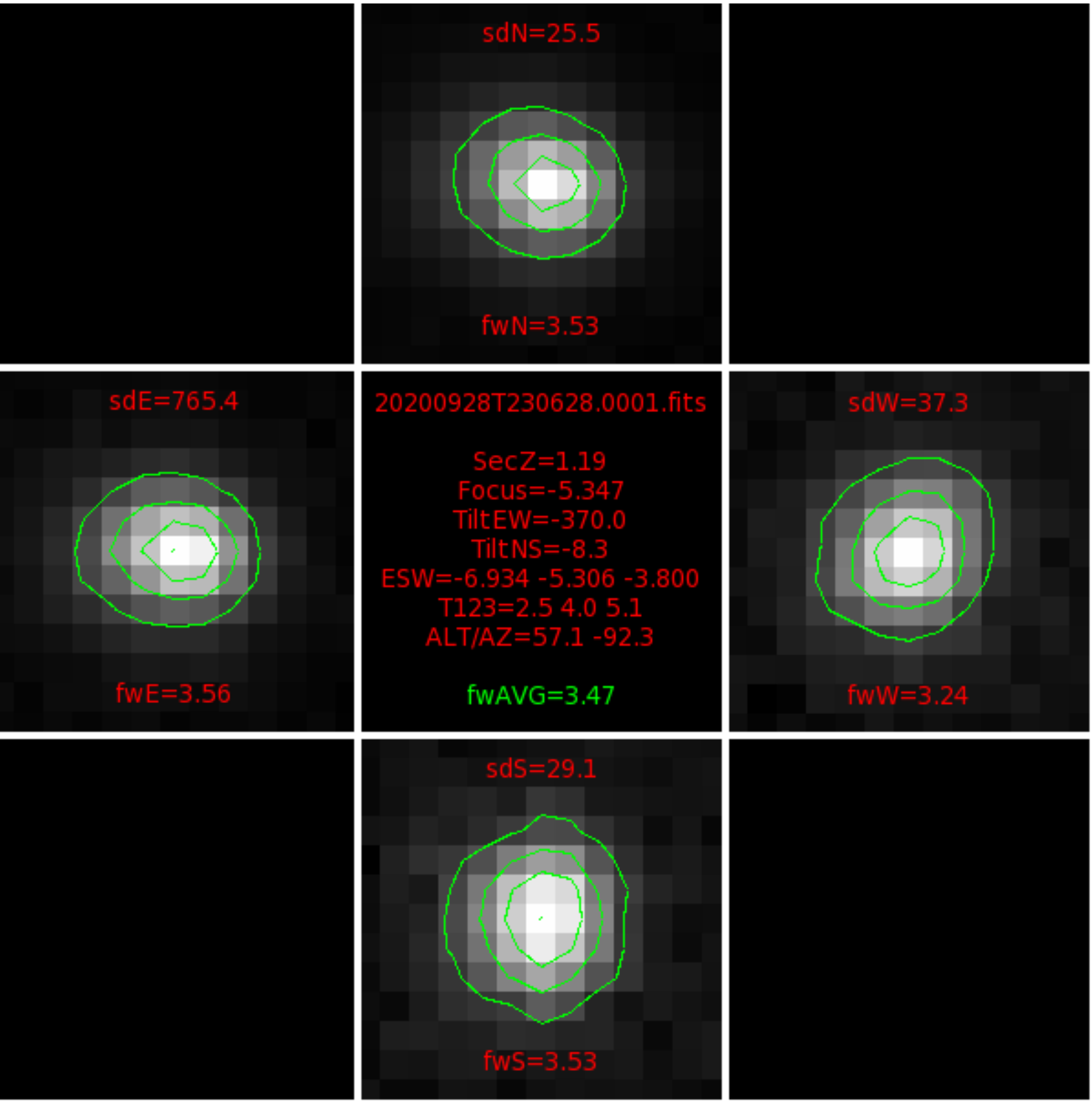
sdN=25.5
fwN=3.53
sdE=765.4
fwE=3.56
20200928T230628.0001.fits
SecZ=1.19
Focus=-5.347
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.934 -5.306 -3.800
T123=2.5 4.0 5.1
ALT/AZ=57.1 -92.3
fwAVG=3.47
sdW=37.3
fwW=3.24
sdS=29.1
fwS=3.53
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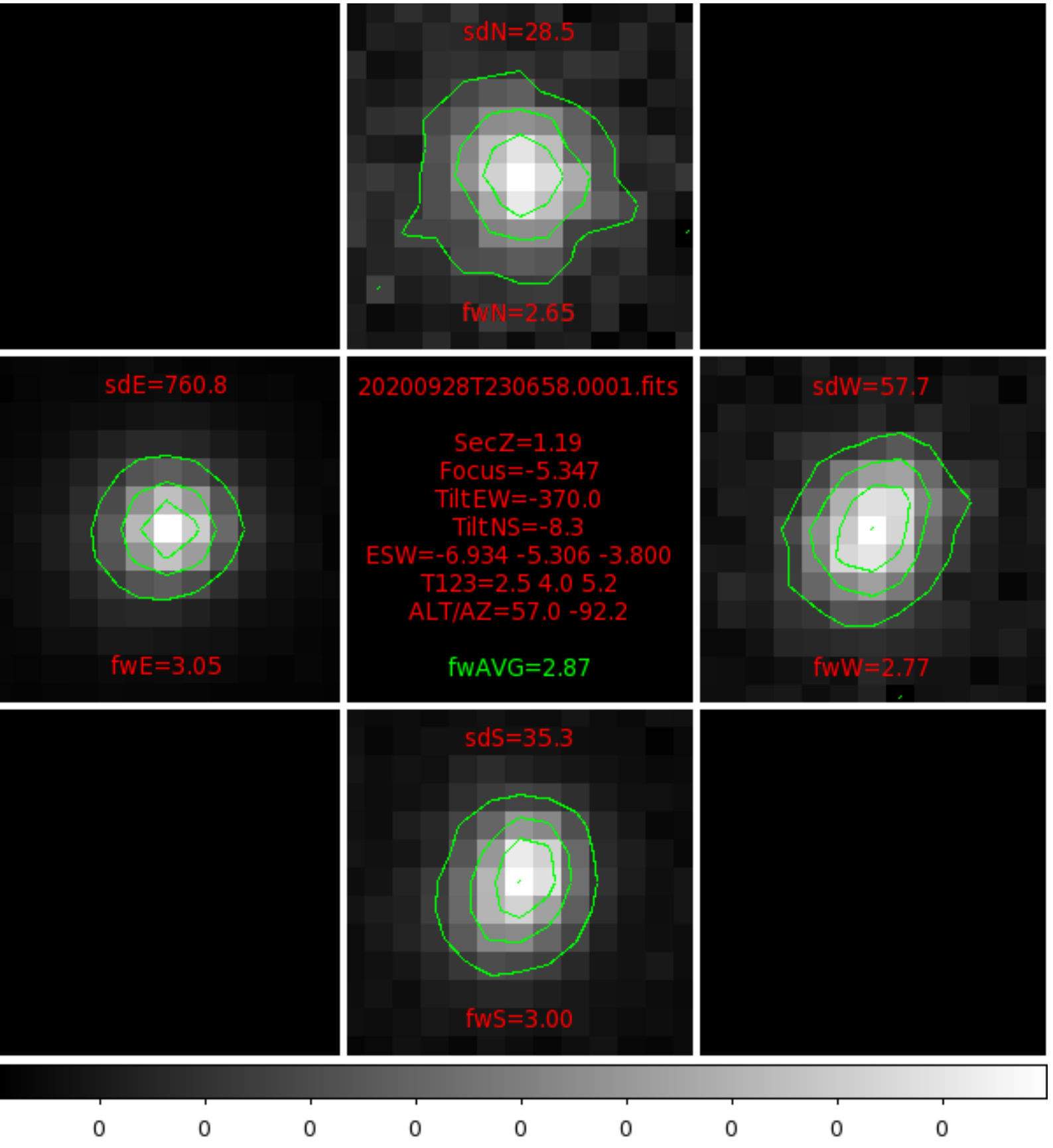
sdN=28.5
fwN=2.65
sdE=760.8
fwE=3.05
20200928T230658.0001.fits
SecZ=1.19
Focus=-5.347
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.934 -5.306 -3.800
T123=2.5 4.0 5.2
ALT/AZ=57.0 -92.2
fwAVG=2.87
sdW=57.7
fwW=2.77
sdS=35.3
fwS=3.00
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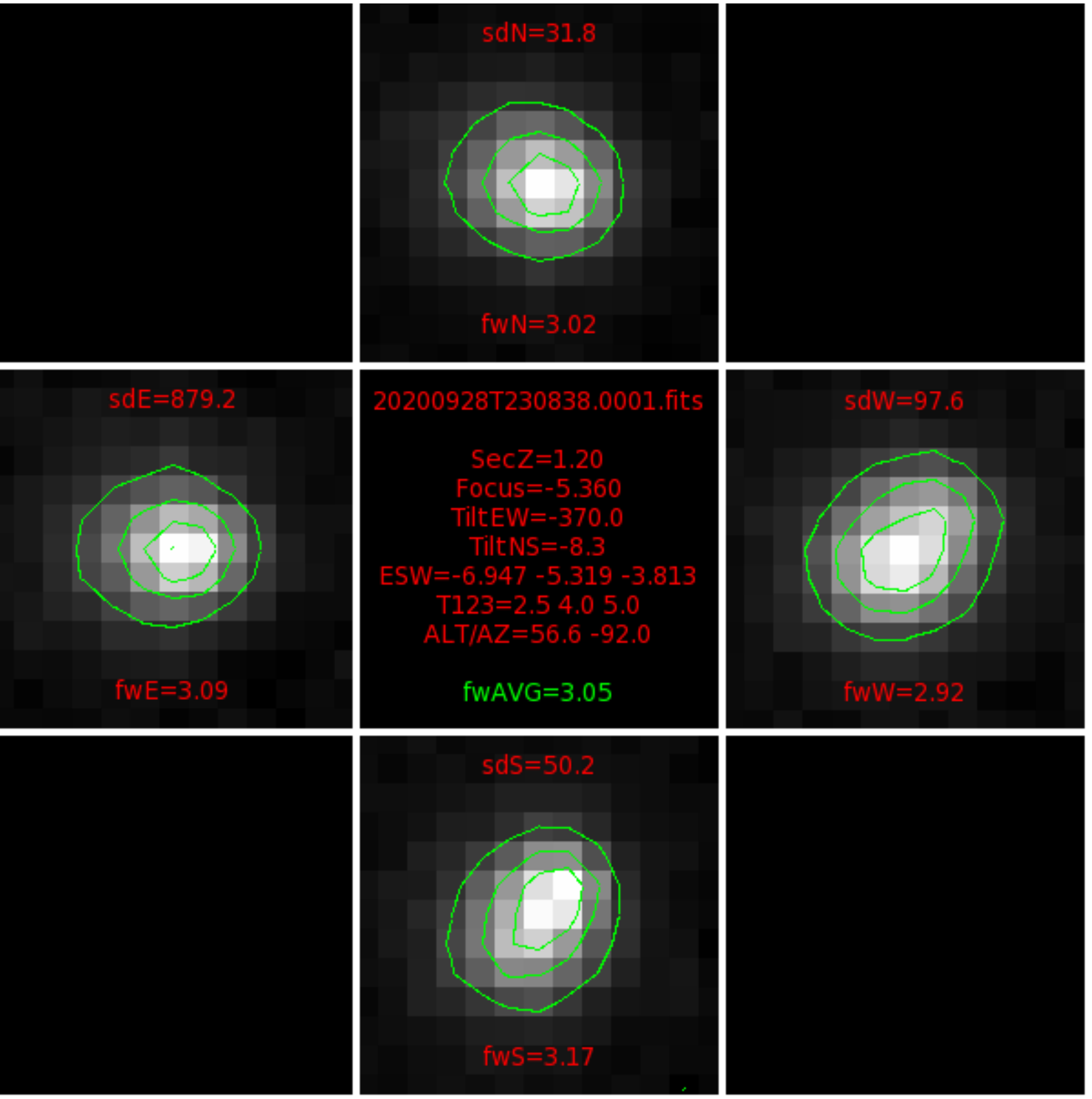
sdN=31.8
fwN=3.02
sdE=879.2
fwE=3.09
20200928T230838.0001.fits
SecZ=1.20
Focus=-5.360
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.947 -5.319 -3.813
T123=2.5 4.0 5.0
ALT/AZ=56.6 -92.0
fwAVG=3.05
sdW=97.6
fwW=2.92
sdS=50.2
fwS=3.17
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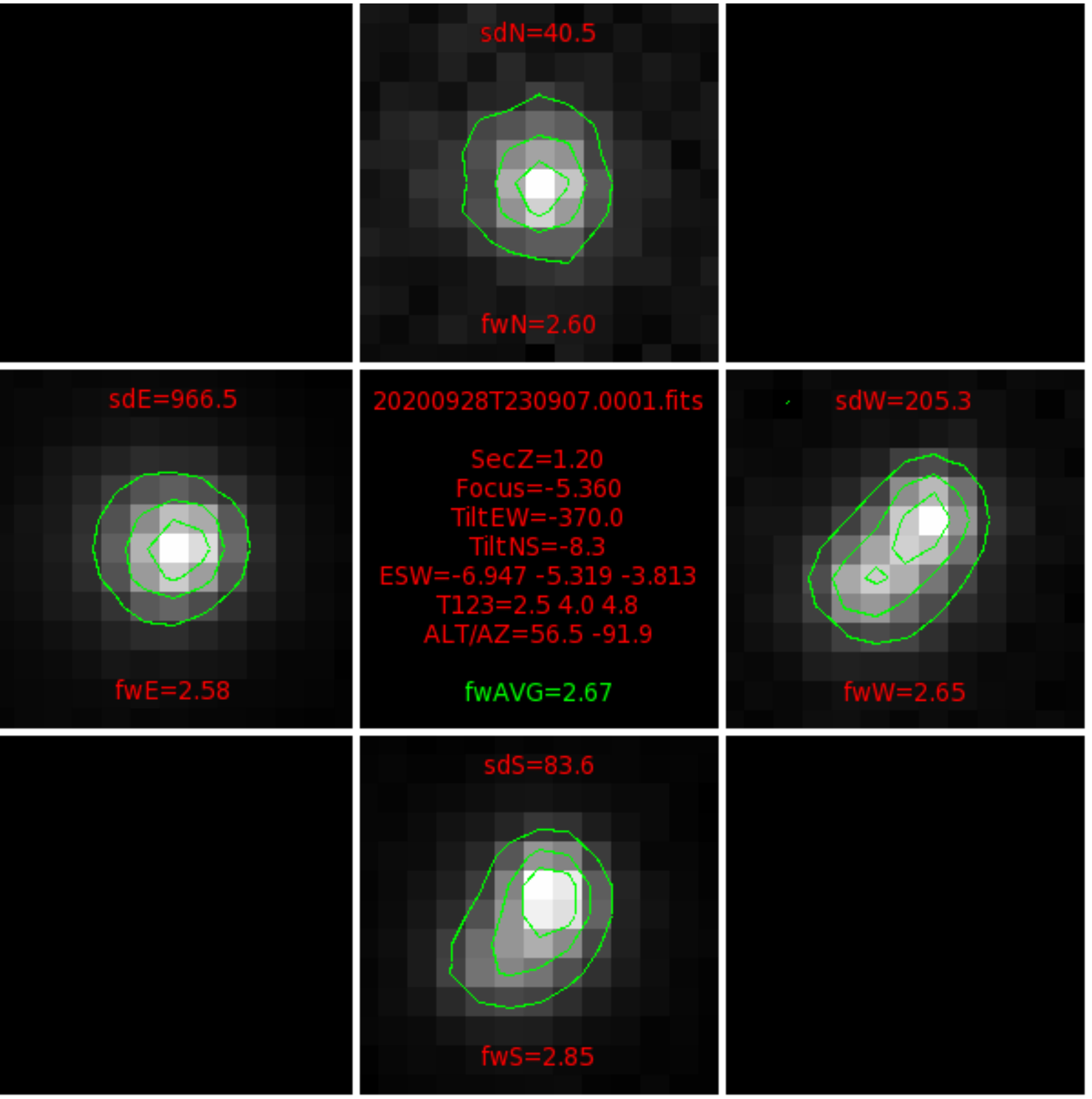
sdN=40.5
fwN=2.60
sdE=966.5
fwE=2.58
20200928T230907.0001.fits
SecZ=1.20
Focus=-5.360
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.947 -5.319 -3.813
T123=2.5 4.0 4.8
ALT/AZ=56.5 -91.9
fwAVG=2.67
sdW=205.3
fwW=2.65
sdS=83.6
fwS=2.85
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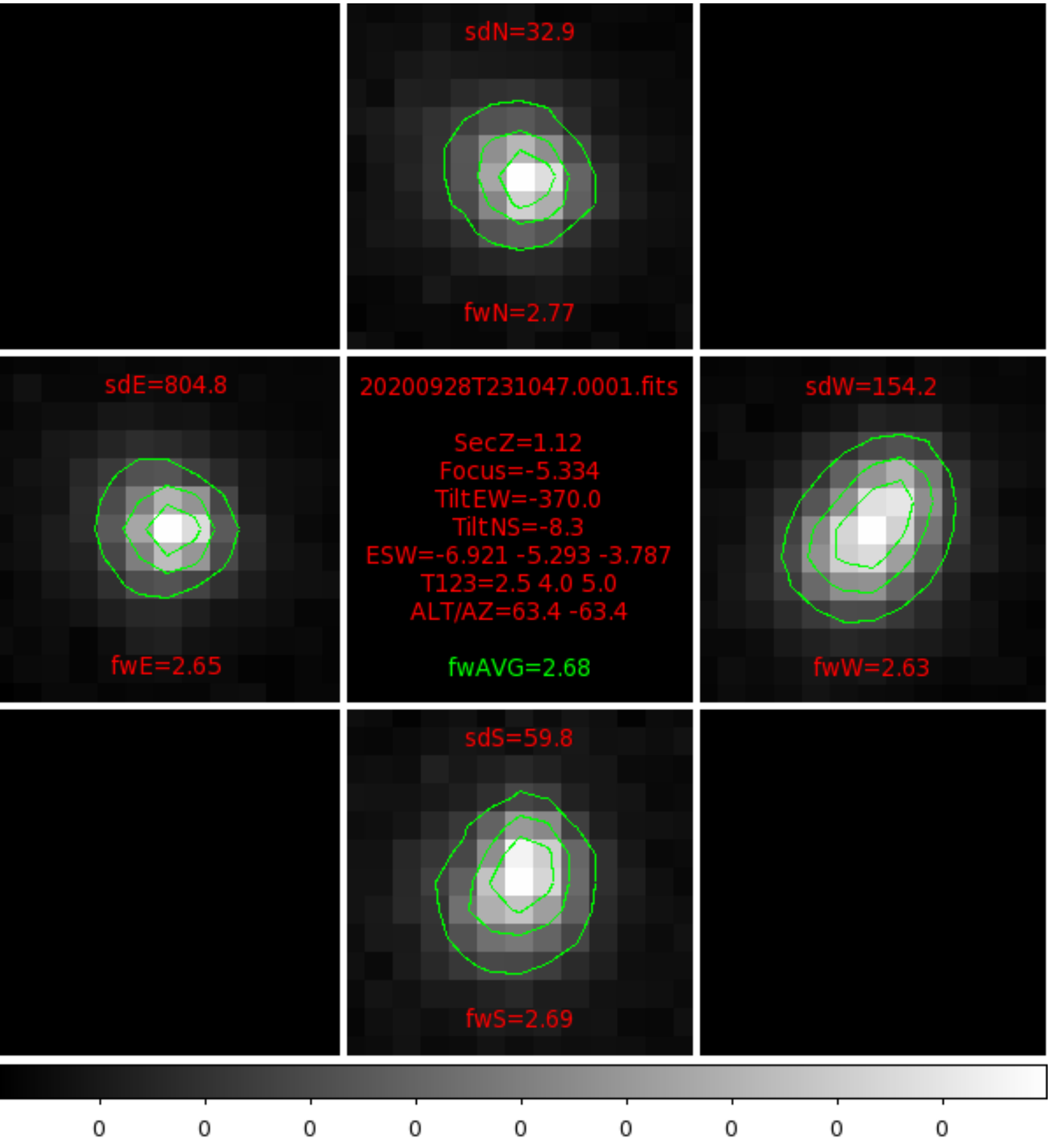
sdN=32.9
fwN=2.77
sdE=804.8
fwE=2.65
20200928T231047.0001.fits
SecZ=1.12
Focus=-5.334
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.921 -5.293 -3.787
T123=2.5 4.0 5.0
ALT/AZ=63.4 -63.4
fwAVG=2.68
sdW=154.2
fwW=2.63
sdS=59.8
fwS=2.69
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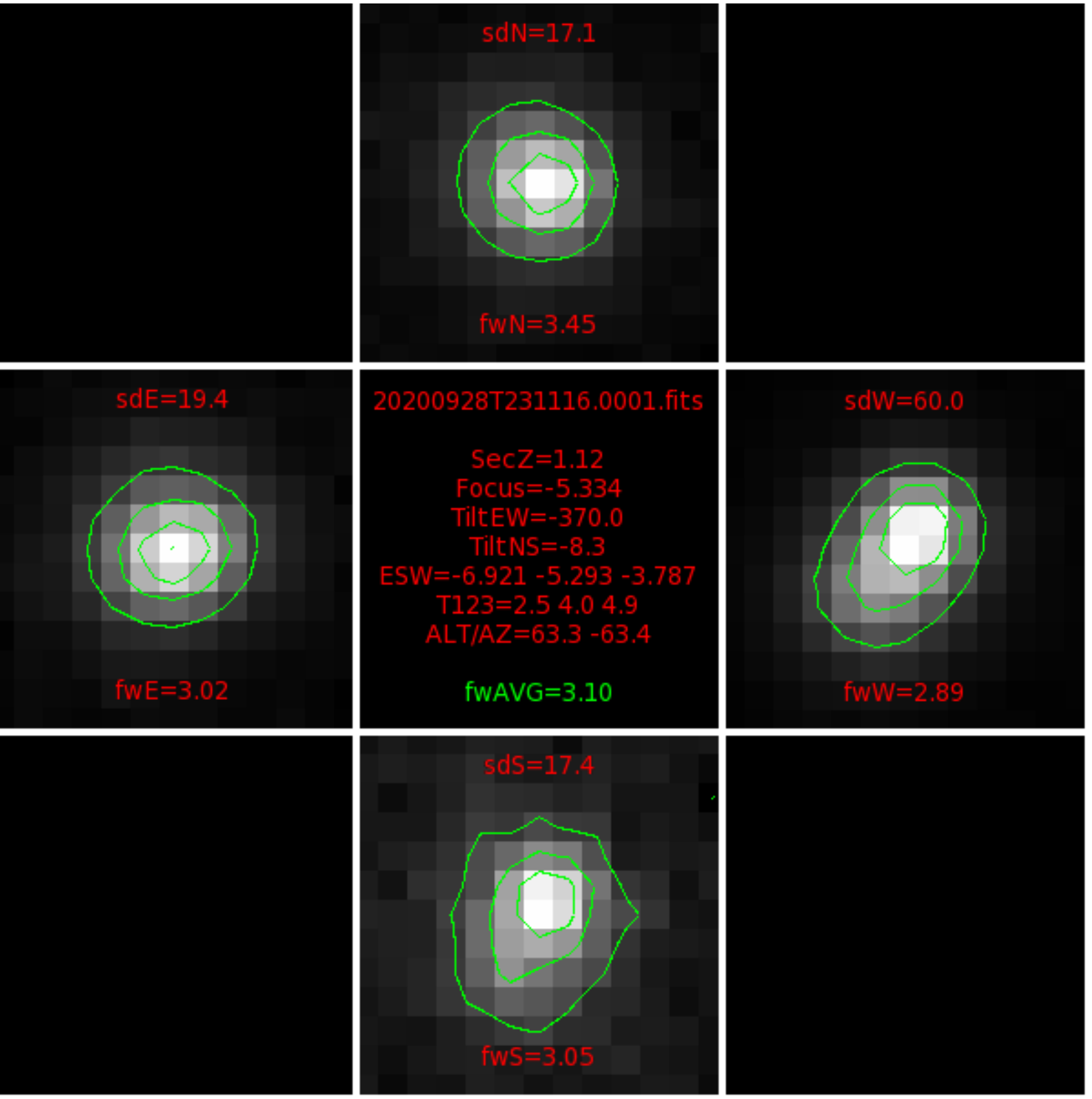
sdN=17.1
fwN=3.45
sdE=19.4
fwE=3.02
20200928T231116.0001.fits
SecZ=1.12
Focus=-5.334
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.921 -5.293 -3.787
T123=2.5 4.0 4.9
ALT/AZ=63.3 -63.4
fwAVG=3.10
sdW=60.0
fwW=2.89
sdS=17.4
fwS=3.05
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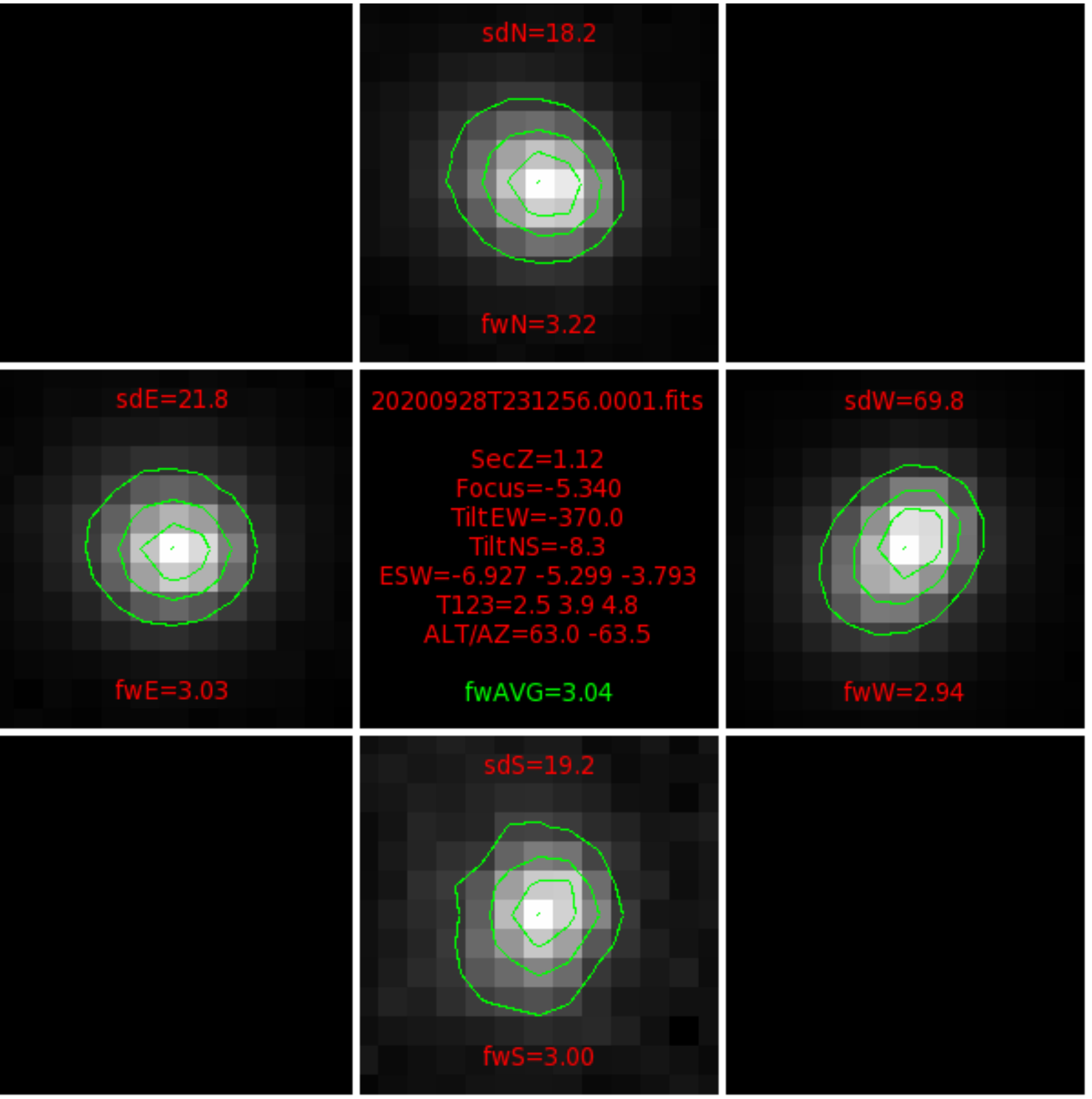
sdN=18.2
fwN=3.22
sdE=21.8
fwE=3.03
20200928T231256.0001.fits
SecZ=1.12
Focus=-5.340
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.927 -5.299 -3.793
T123=2.5 3.9 4.8
ALT/AZ=63.0 -63.5
fwAVG=3.04
sdW=69.8
fwW=2.94
sdS=19.2
fwS=3.00
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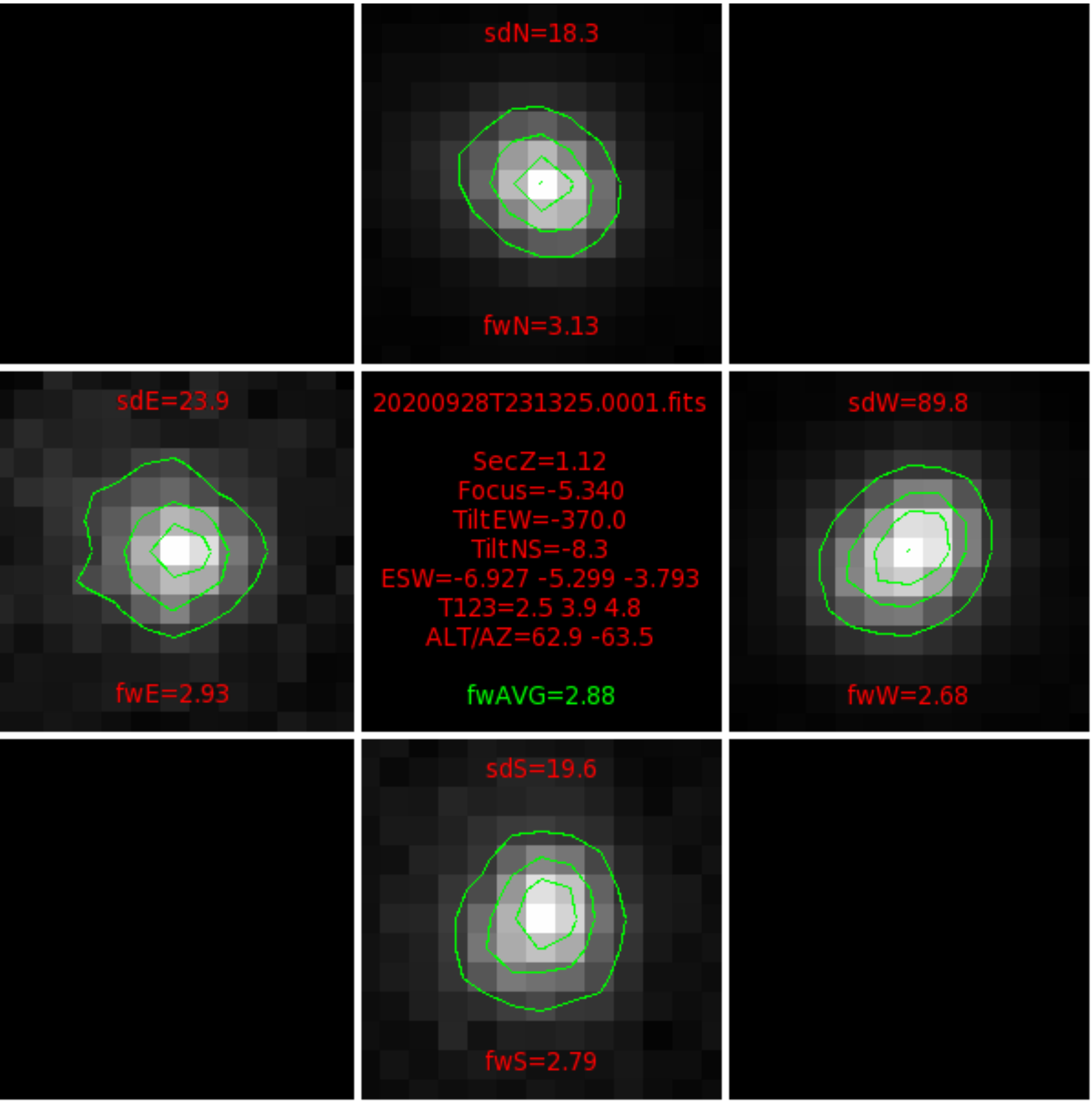
sdN=18.3
fwN=3.13
sdE=23.9
fwE=2.93
20200928T231325.0001.fits
SecZ=1.12
Focus=-5.340
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.927 -5.299 -3.793
T123=2.5 3.9 4.8
ALT/AZ=62.9 -63.5
fwAVG=2.88
sdW=89.8
fwW=2.68
sdS=19.6
fwS=2.79
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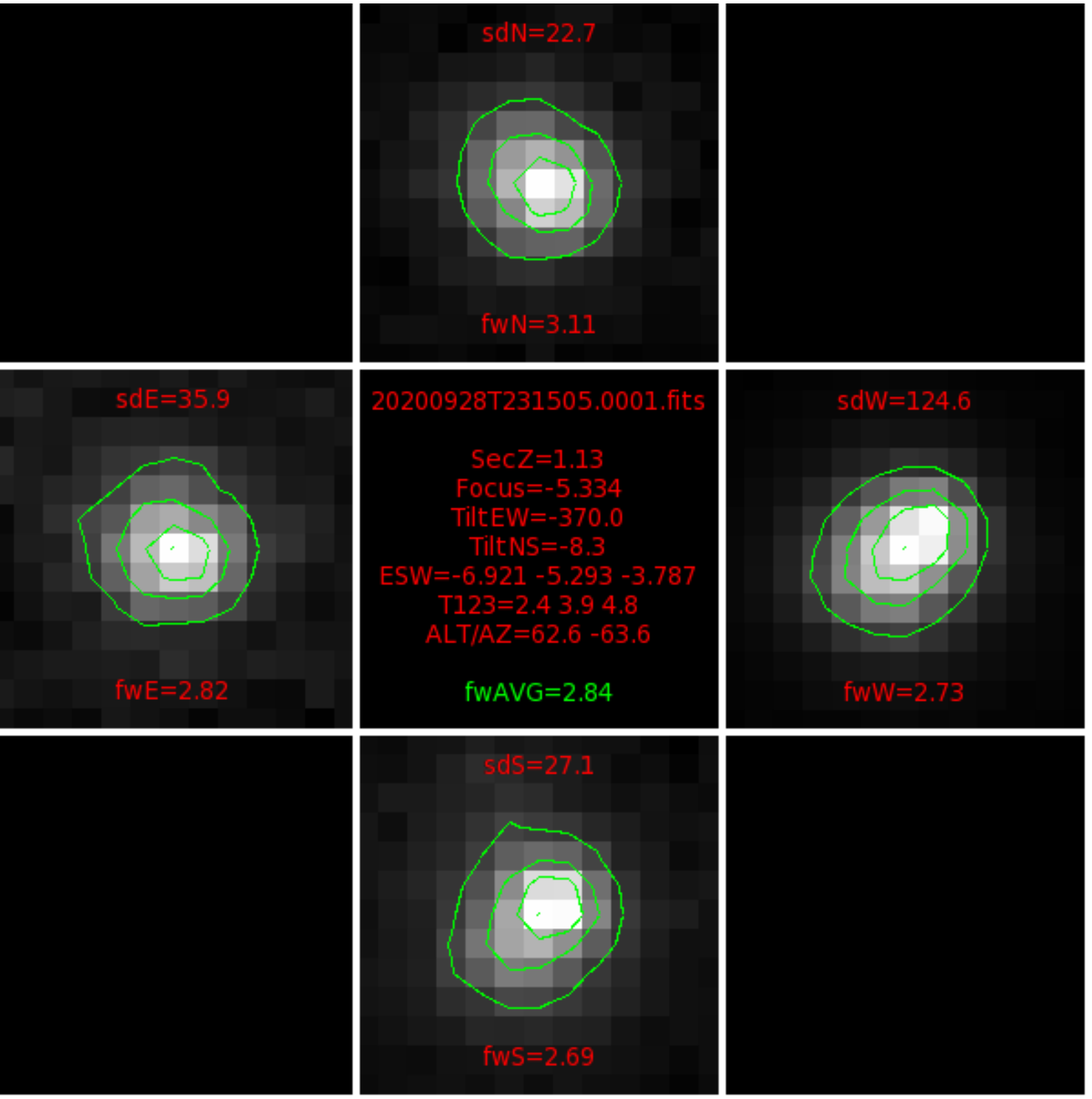
sdN=22.7
fwN=3.11
sdE=35.9
fwE=2.82
20200928T231505.0001.fits
SecZ=1.13
Focus=-5.334
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.921 -5.293 -3.787
T123=2.4 3.9 4.8
ALT/AZ=62.6 -63.6
fwAVG=2.84
sdW=124.6
fwW=2.73
sdS=27.1
fwS=2.69
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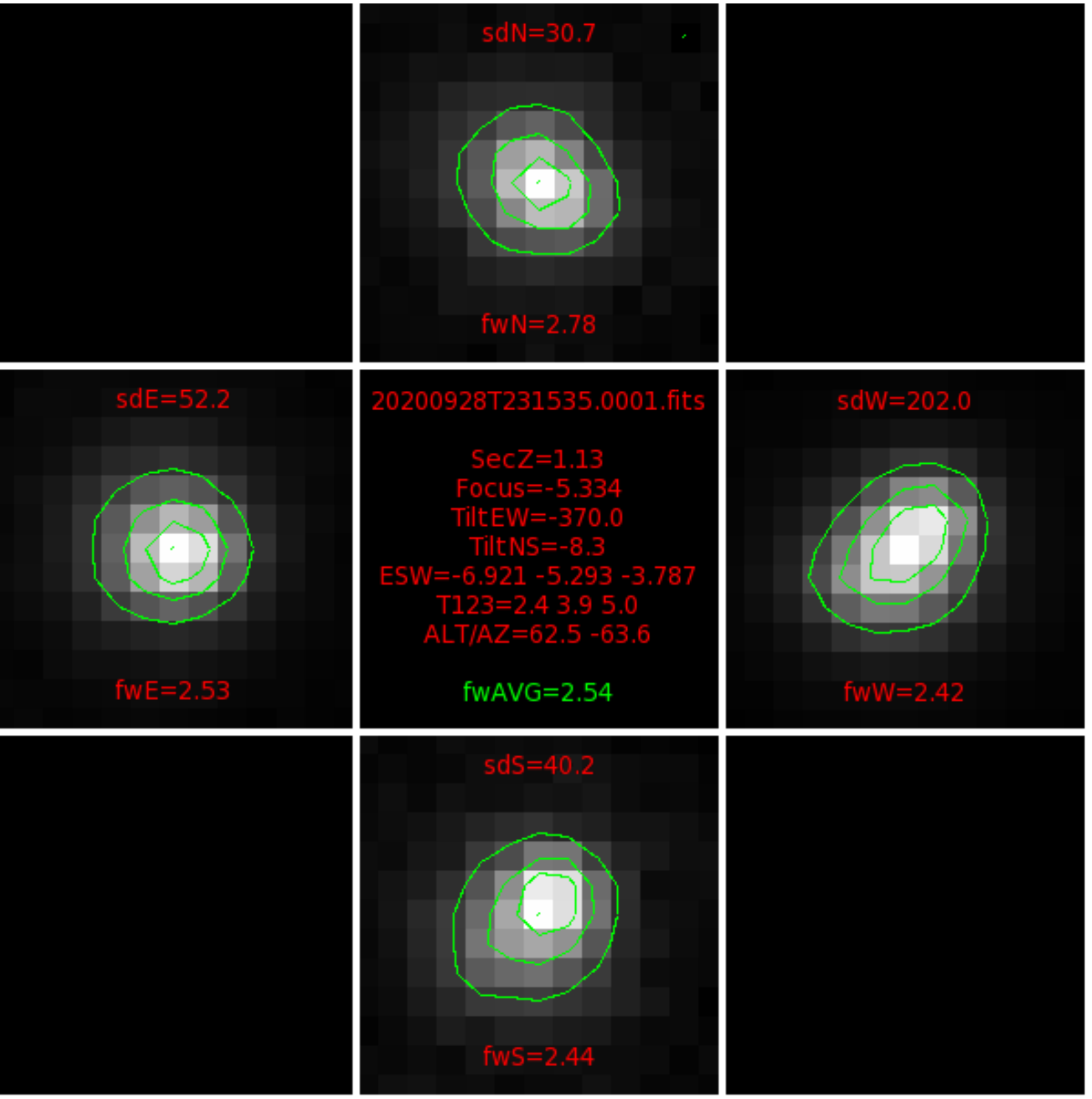
sdN=30.7
fwN=2.78
sdE=52.2
fwE=2.53
20200928T231535.0001.fits
SecZ=1.13
Focus=-5.334
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.921 -5.293 -3.787
T123=2.4 3.9 5.0
ALT/AZ=62.5 -63.6
fwAVG=2.54
sdW=202.0
fwW=2.42
sdS=40.2
fwS=2.44
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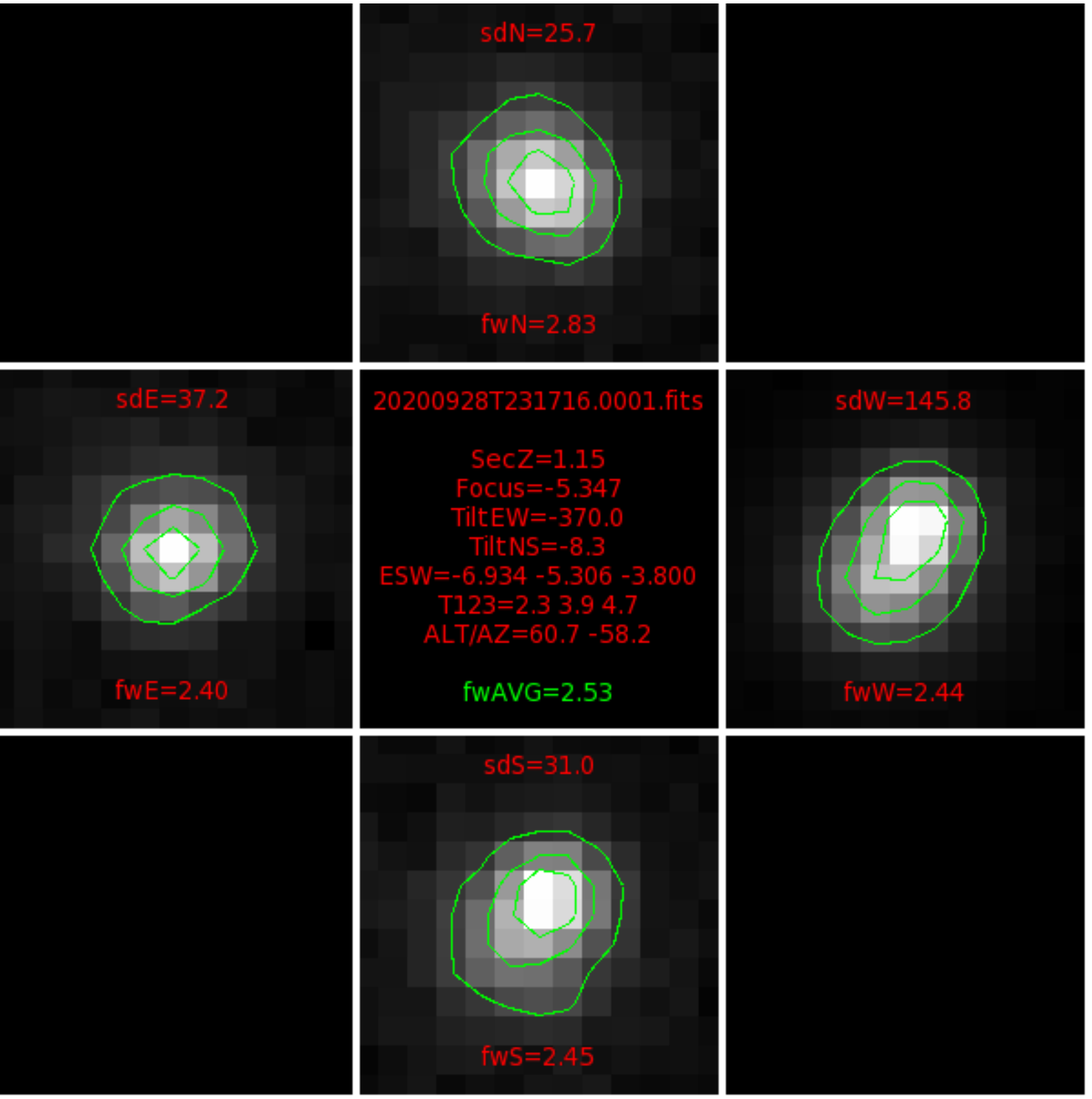
sdN=25.7
fwN=2.83
sdE=37.2
fwE=2.40
20200928T231716.0001.fits
SecZ=1.15
Focus=-5.347
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.934 -5.306 -3.800
T123=2.3 3.9 4.7
ALT/AZ=60.7 -58.2
fwAVG=2.53
sdW=145.8
fwW=2.44
sdS=31.0
fwS=2.45
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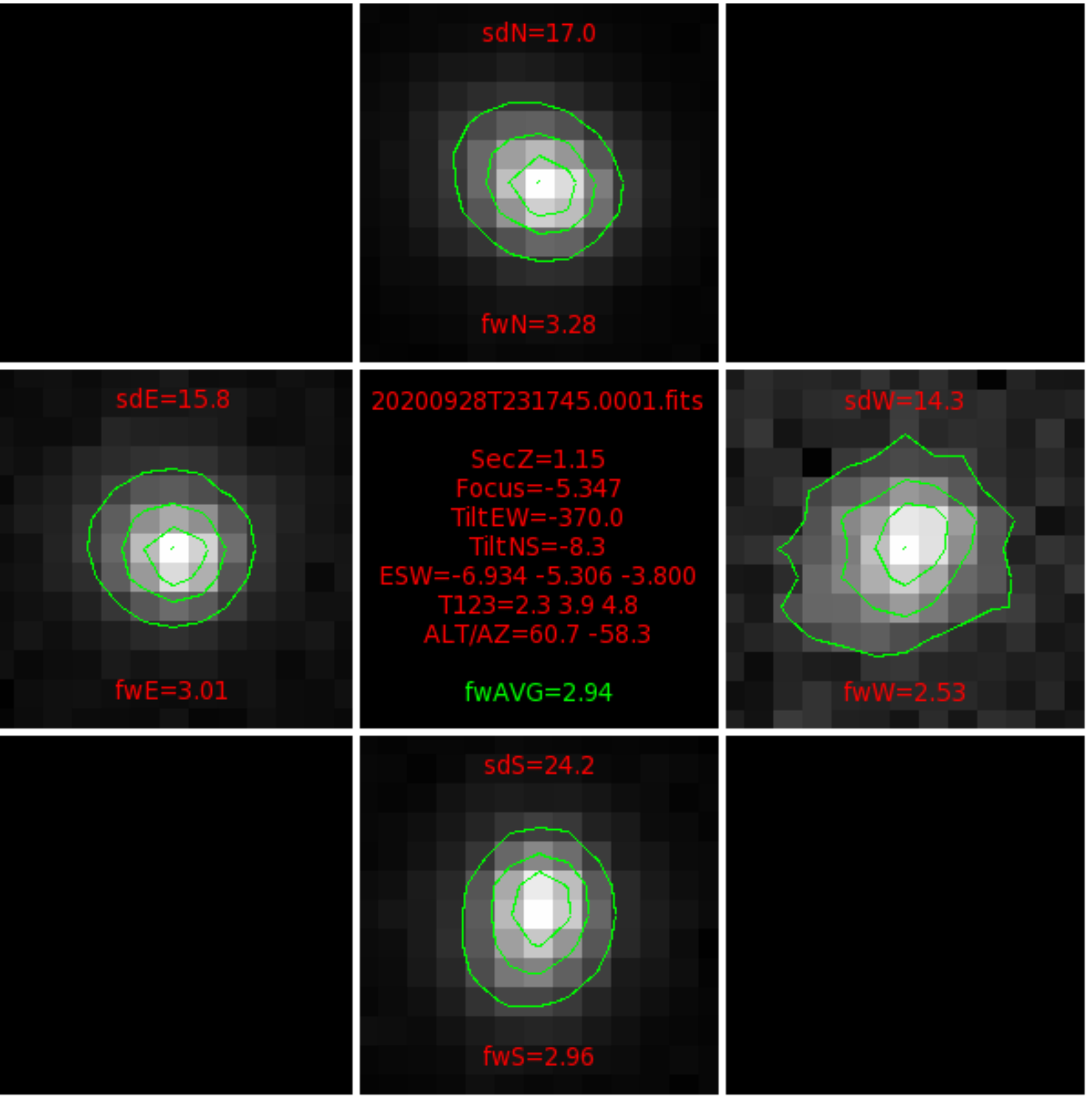
sdN=17.0
fwN=3.28
sdE=15.8
fwE=3.01
20200928T231745.0001.fits
SecZ=1.15
Focus=-5.347
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.934 -5.306 -3.800
T123=2.3 3.9 4.8
ALT/AZ=60.7 -58.3
fwAVG=2.94
sdW=14.3
fwW=2.53
sdS=24.2
fwS=2.96
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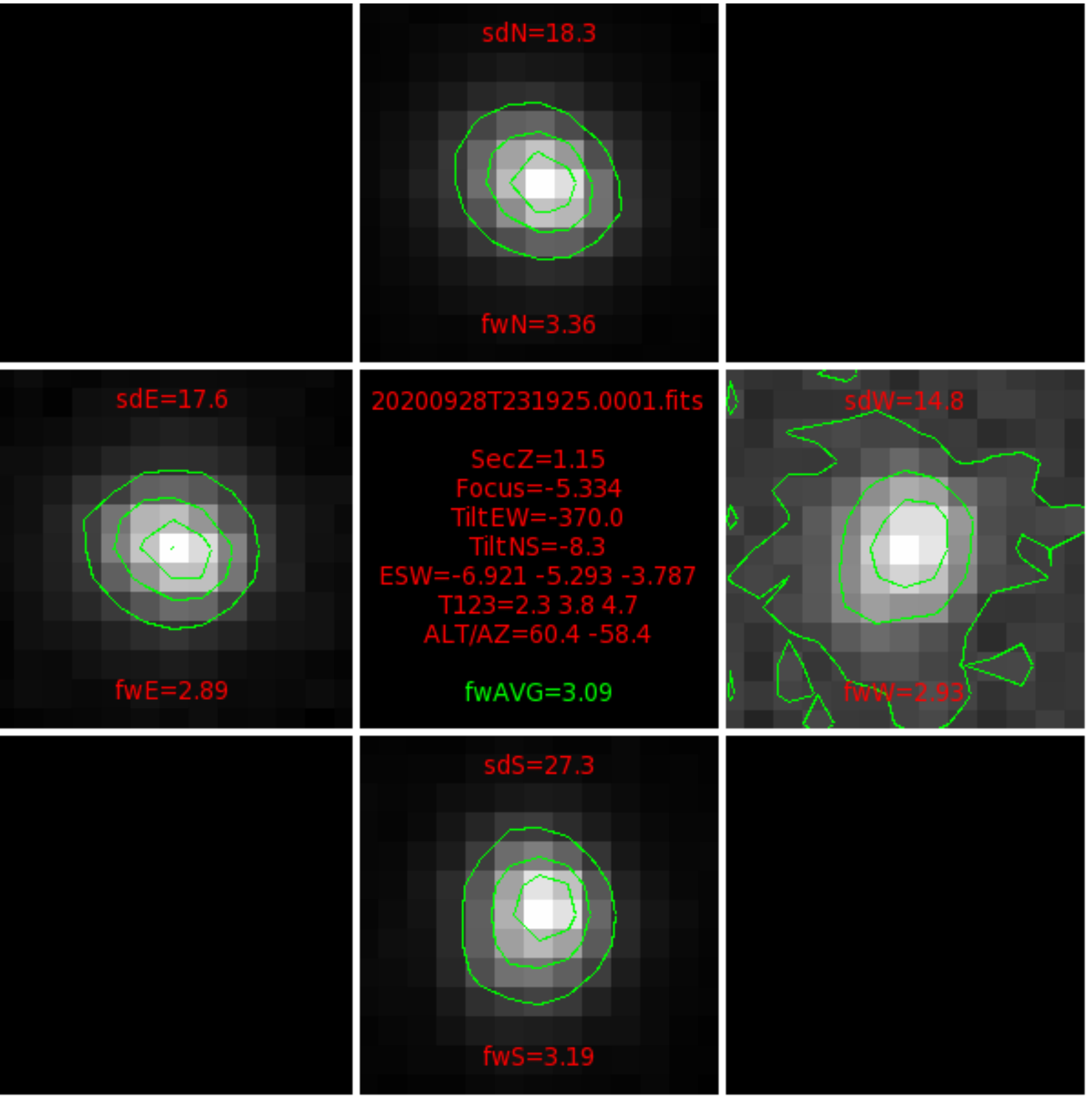
sdN=18.3
fwN=3.36
sdE=17.6
fwE=2.89
20200928T231925.0001.fits
SecZ=1.15
Focus=-5.334
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.921 -5.293 -3.787
T123=2.3 3.8 4.7
ALT/AZ=60.4 -58.4
fwAVG=3.09
sdW=14.8
fwW=2.93
sdS=27.3
fwS=3.19
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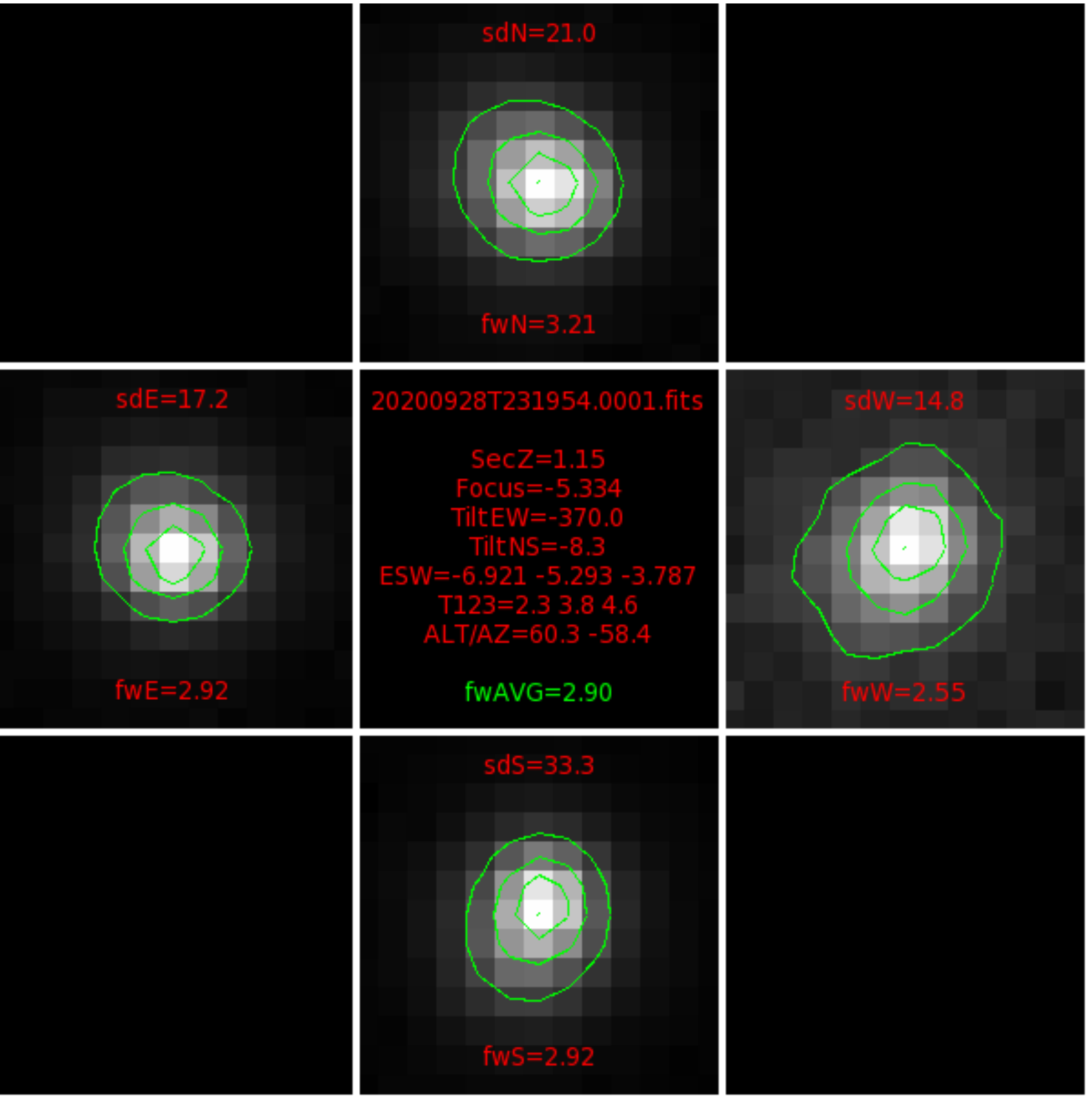
sdN=21.0
fwN=3.21
sdE=17.2
fwE=2.92
20200928T231954.0001.fits
SecZ=1.15
Focus=-5.334
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.921 -5.293 -3.787
T123=2.3 3.8 4.6
ALT/AZ=60.3 -58.4
fwAVG=2.90
sdW=14.8
fwW=2.55
sdS=33.3
fwS=2.92
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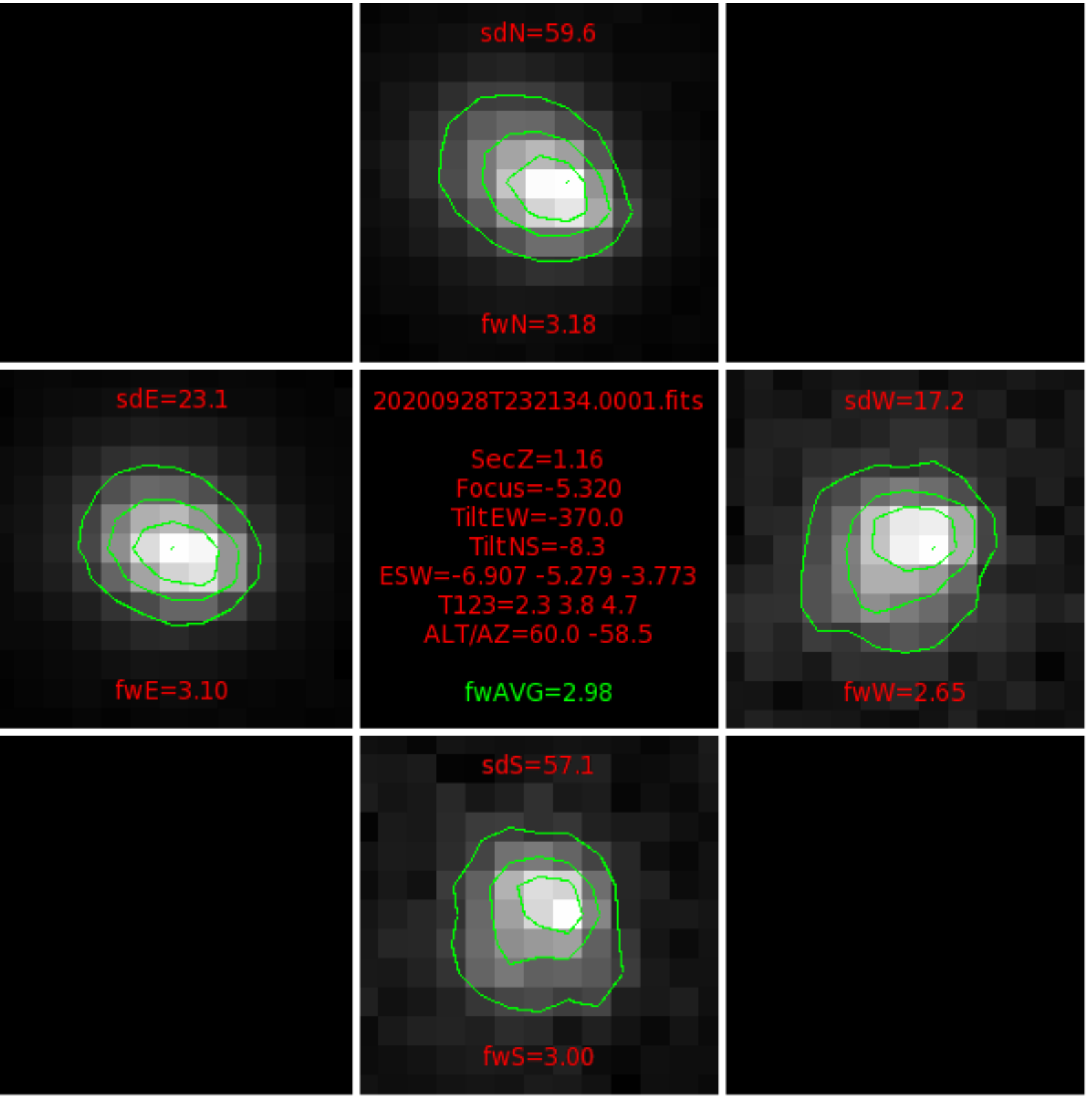
sdN=59.6
fwN=3.18
sdE=23.1
fwE=3.10
20200928T232134.0001.fits
SecZ=1.16
Focus=-5.320
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.907 -5.279 -3.773
T123=2.3 3.8 4.7
ALT/AZ=60.0 -58.5
fwAVG=2.98
sdW=17.2
fwW=2.65
sdS=57.1
fwS=3.00
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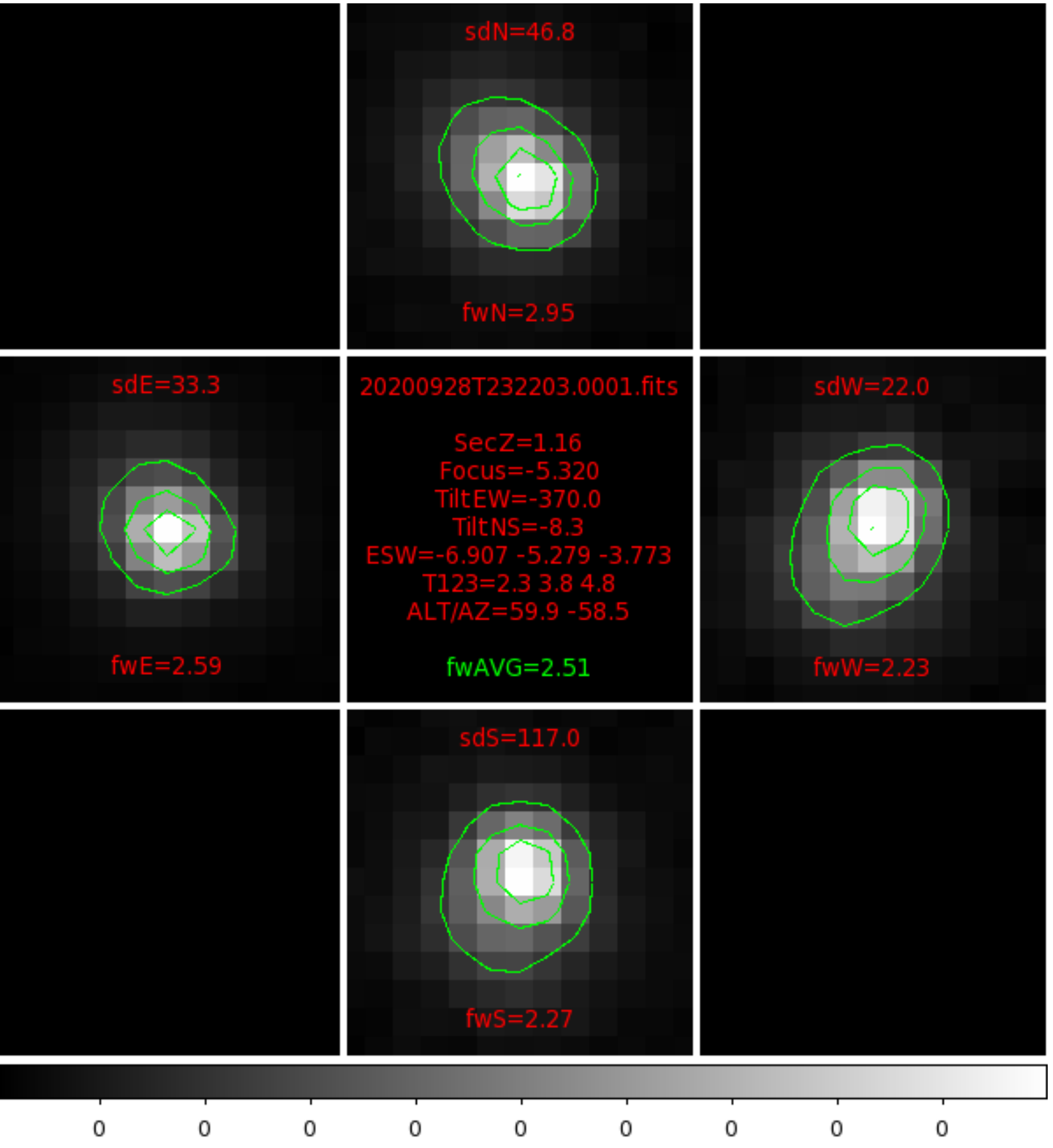
sdN=46.8
fwN=2.95
sdE=33.3
fwE=2.59
20200928T232203.0001.fits
SecZ=1.16
Focus=-5.320
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.907 -5.279 -3.773
T123=2.3 3.8 4.8
ALT/AZ=59.9 -58.5
fwAVG=2.51
sdW=22.0
fwW=2.23
sdS=117.0
fwS=2.27
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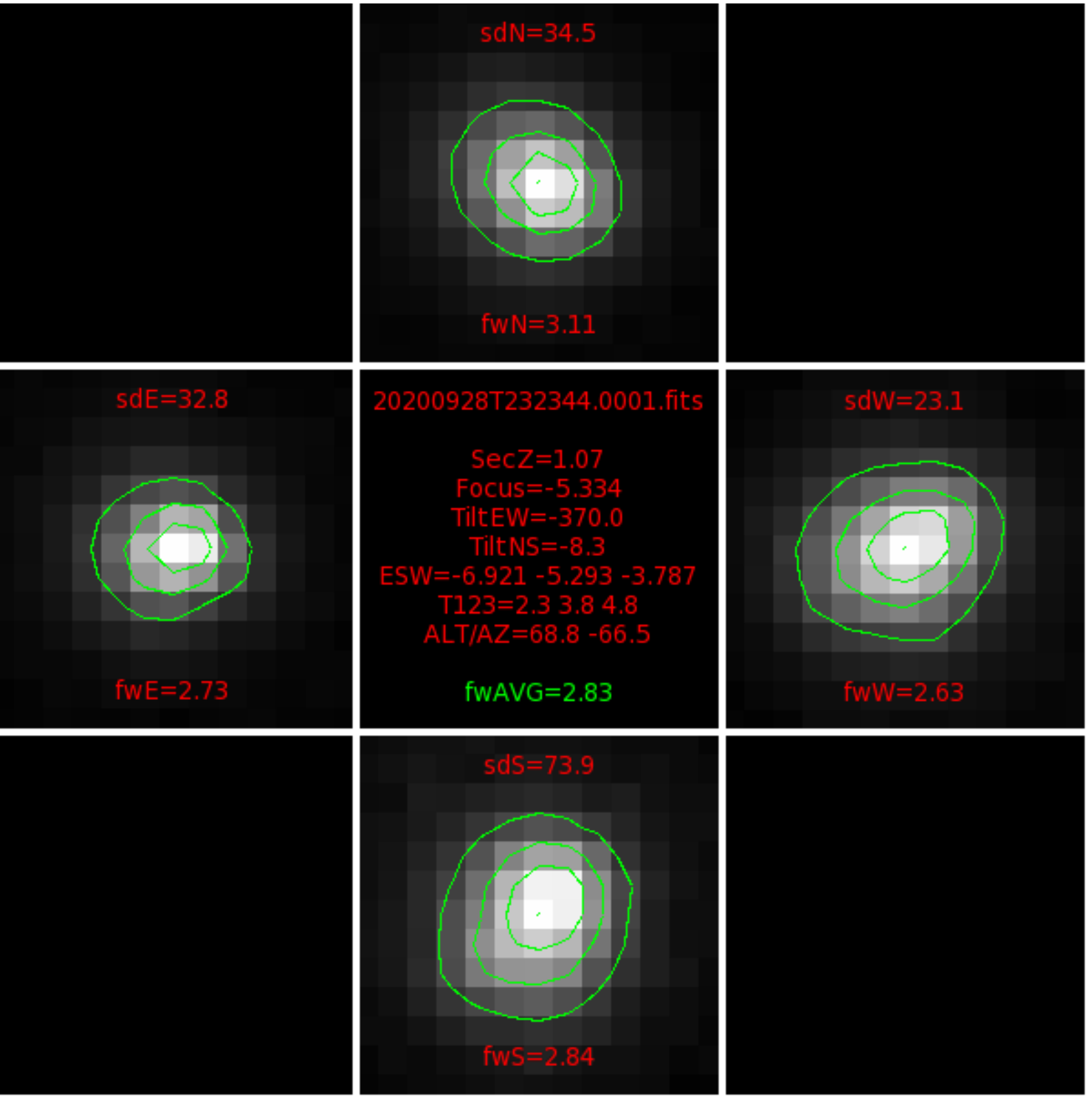
sdN=34.5
fwN=3.11
sdE=32.8
fwE=2.73
20200928T232344.0001.fits
SecZ=1.07
Focus=-5.334
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.921 -5.293 -3.787
T123=2.3 3.8 4.8
ALT/AZ=68.8 -66.5
fwAVG=2.83
sdW=23.1
fwW=2.63
sdS=73.9
fwS=2.84
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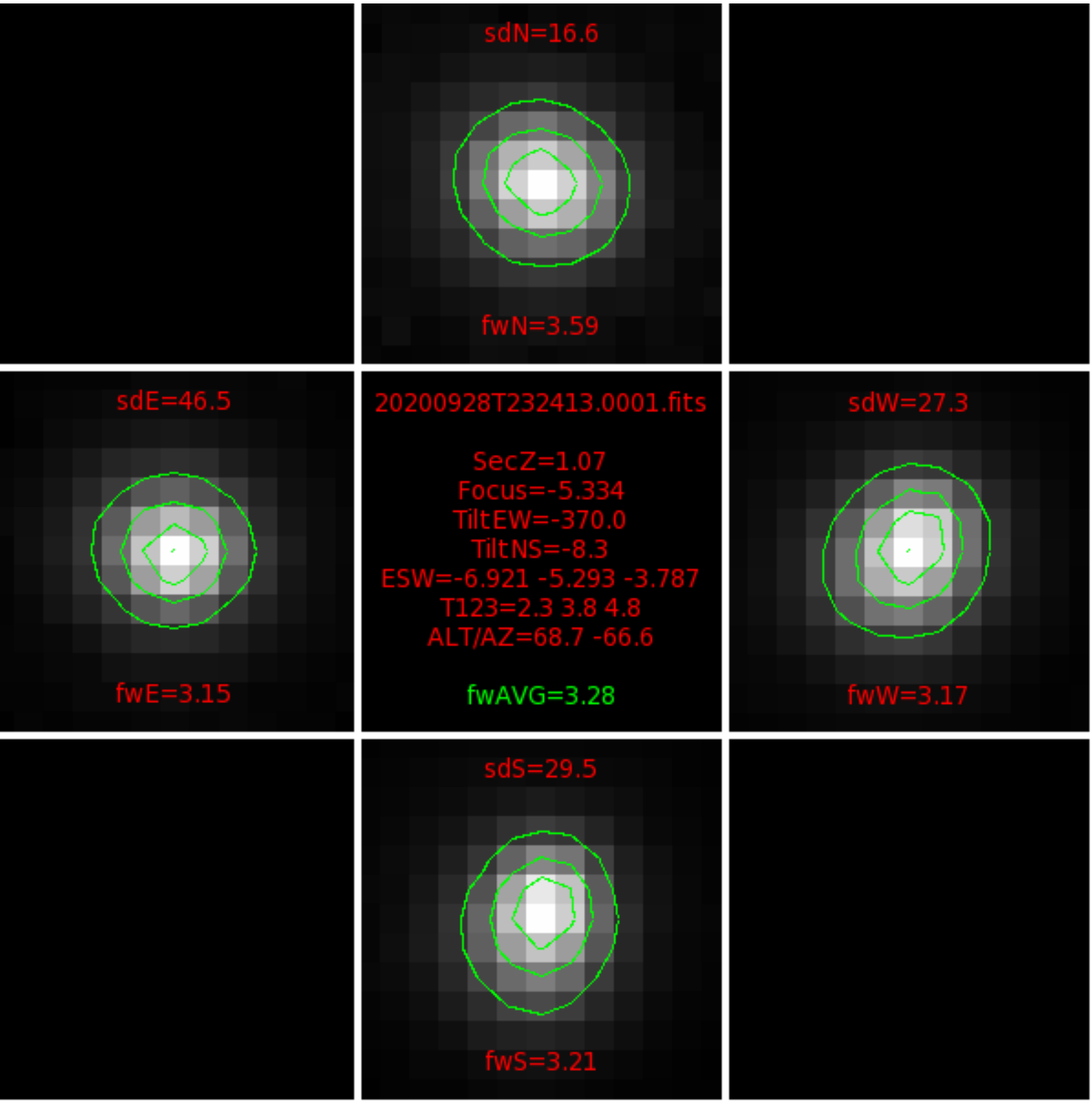
sdN=16.6
fwN=3.59
sdE=46.5
fwE=3.15
20200928T232413.0001.fits
SecZ=1.07
Focus=-5.334
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.921 -5.293 -3.787
T123=2.3 3.8 4.8
ALT/AZ=68.7 -66.6
fwAVG=3.28
sdW=27.3
fwW=3.17
sdS=29.5
fwS=3.21
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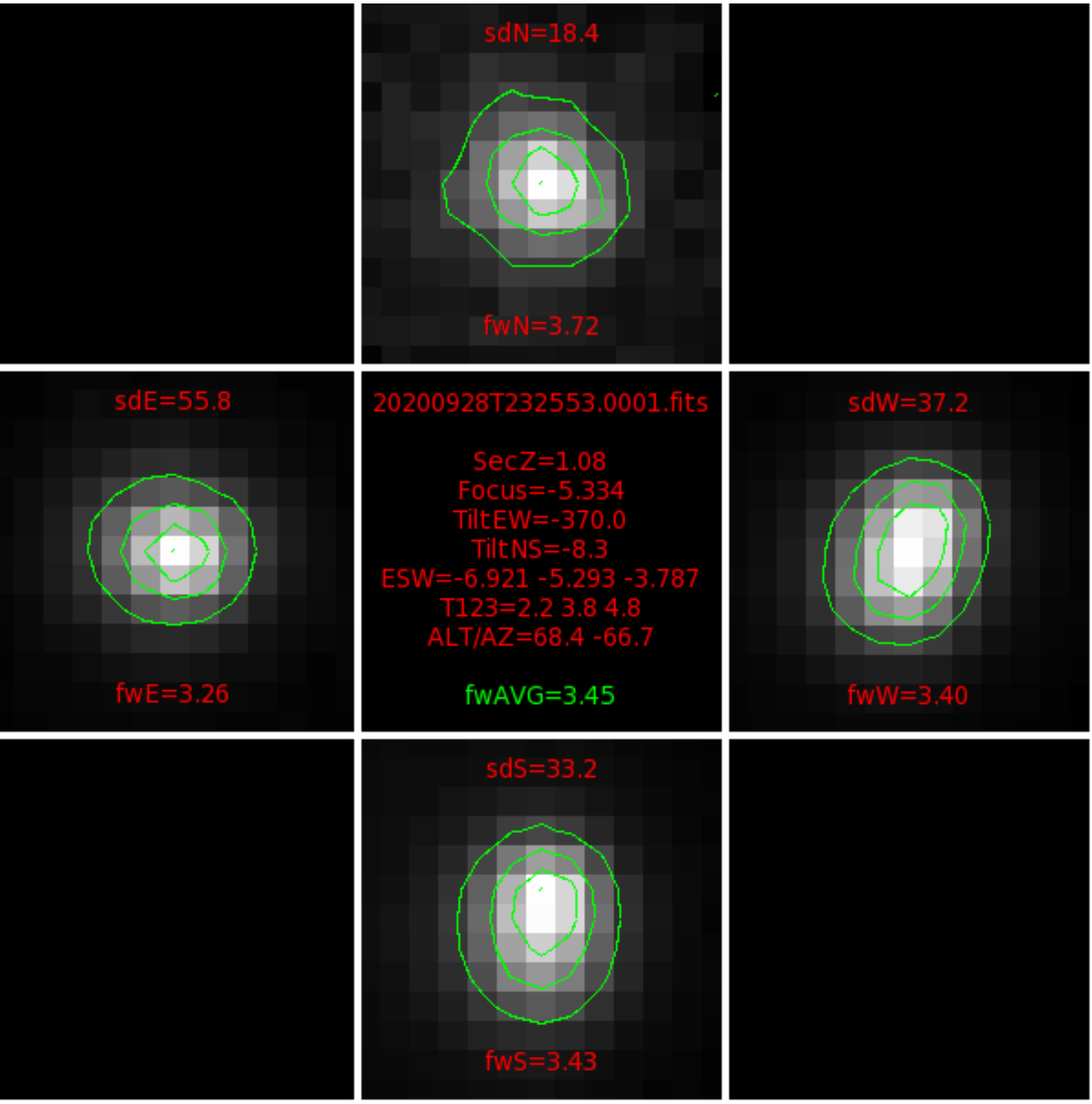
sdN=18.4
fwN=3.72
sdE=55.8
fwE=3.26
20200928T232553.0001.fits
SecZ=1.08
Focus=-5.334
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.921 -5.293 -3.787
T123=2.2 3.8 4.8
ALT/AZ=68.4 -66.7
fwAVG=3.45
sdW=37.2
fwW=3.40
sdS=33.2
fwS=3.43
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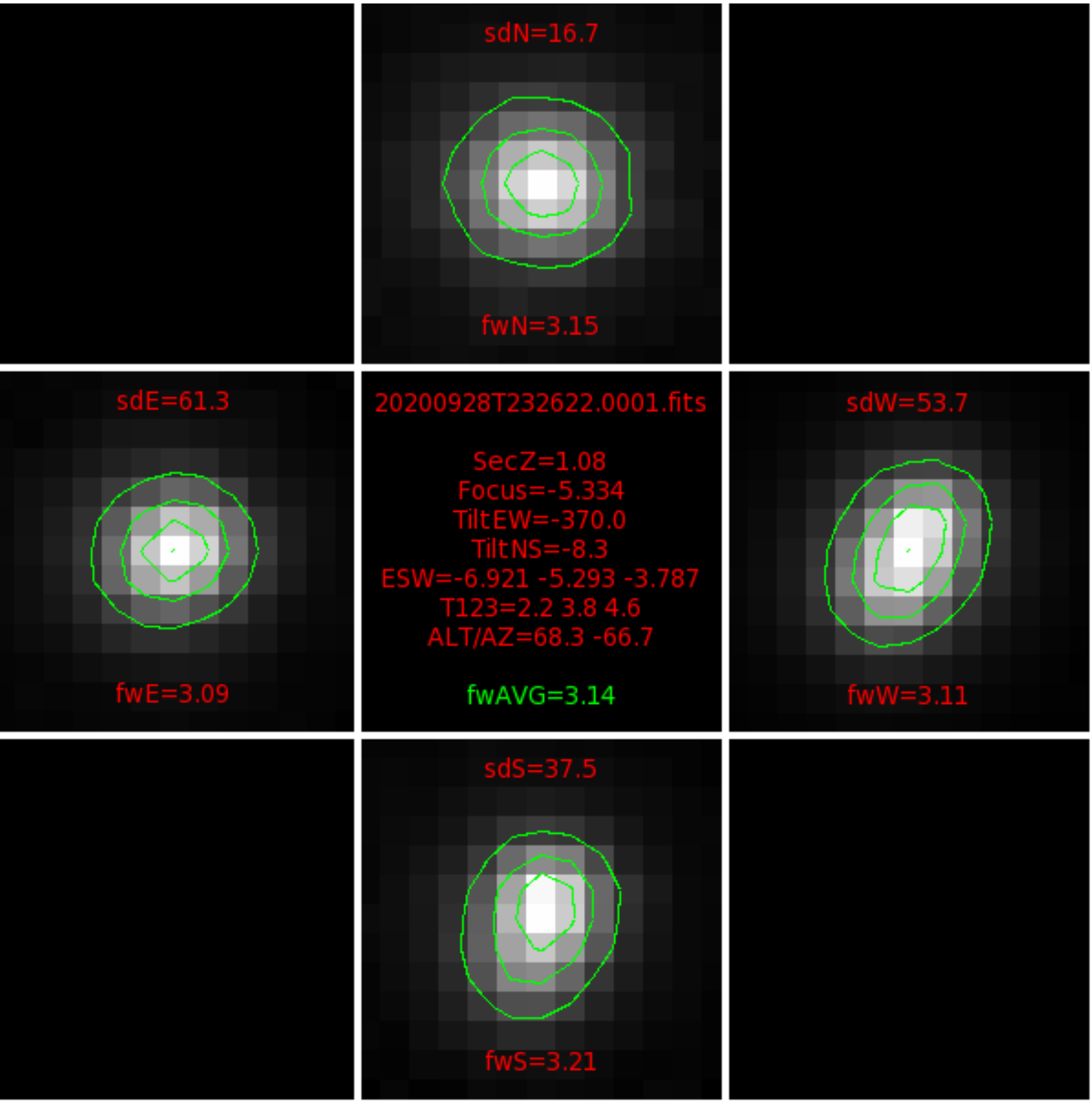
sdN=16.7
fwN=3.15
sdE=61.3
fwE=3.09
20200928T232622.0001.fits
SecZ=1.08
Focus=-5.334
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.921 -5.293 -3.787
T123=2.2 3.8 4.6
ALT/AZ=68.3 -66.7
fwAVG=3.14
sdW=53.7
fwW=3.11
sdS=37.5
fwS=3.21
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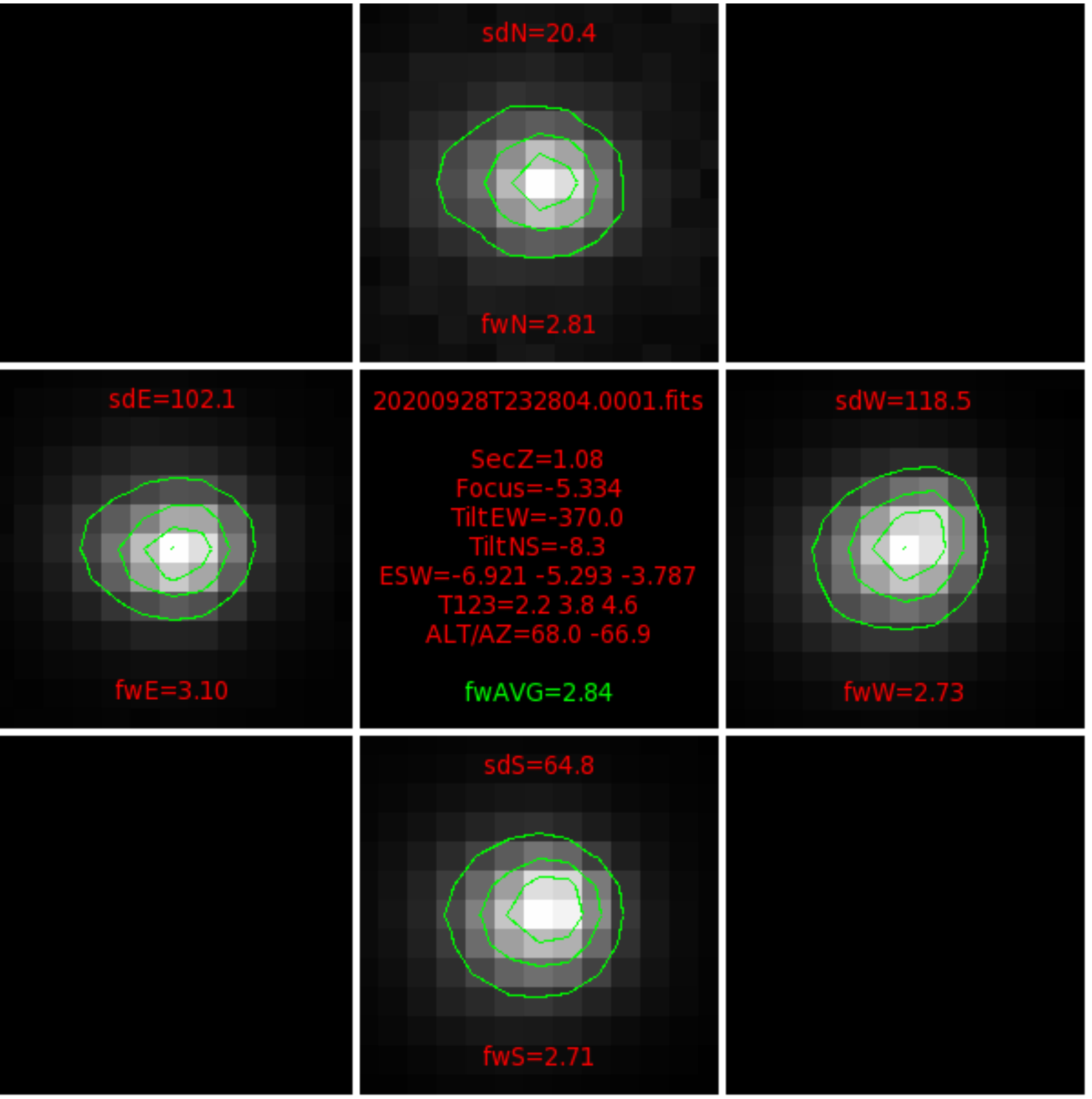
sdN=20.4
fwN=2.81
sdE=102.1
fwE=3.10
20200928T232804.0001.fits
SecZ=1.08
Focus=-5.334
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.921 -5.293 -3.787
T123=2.2 3.8 4.6
ALT/AZ=68.0 -66.9
fwAVG=2.84
sdW=118.5
fwW=2.73
sdS=64.8
fwS=2.71
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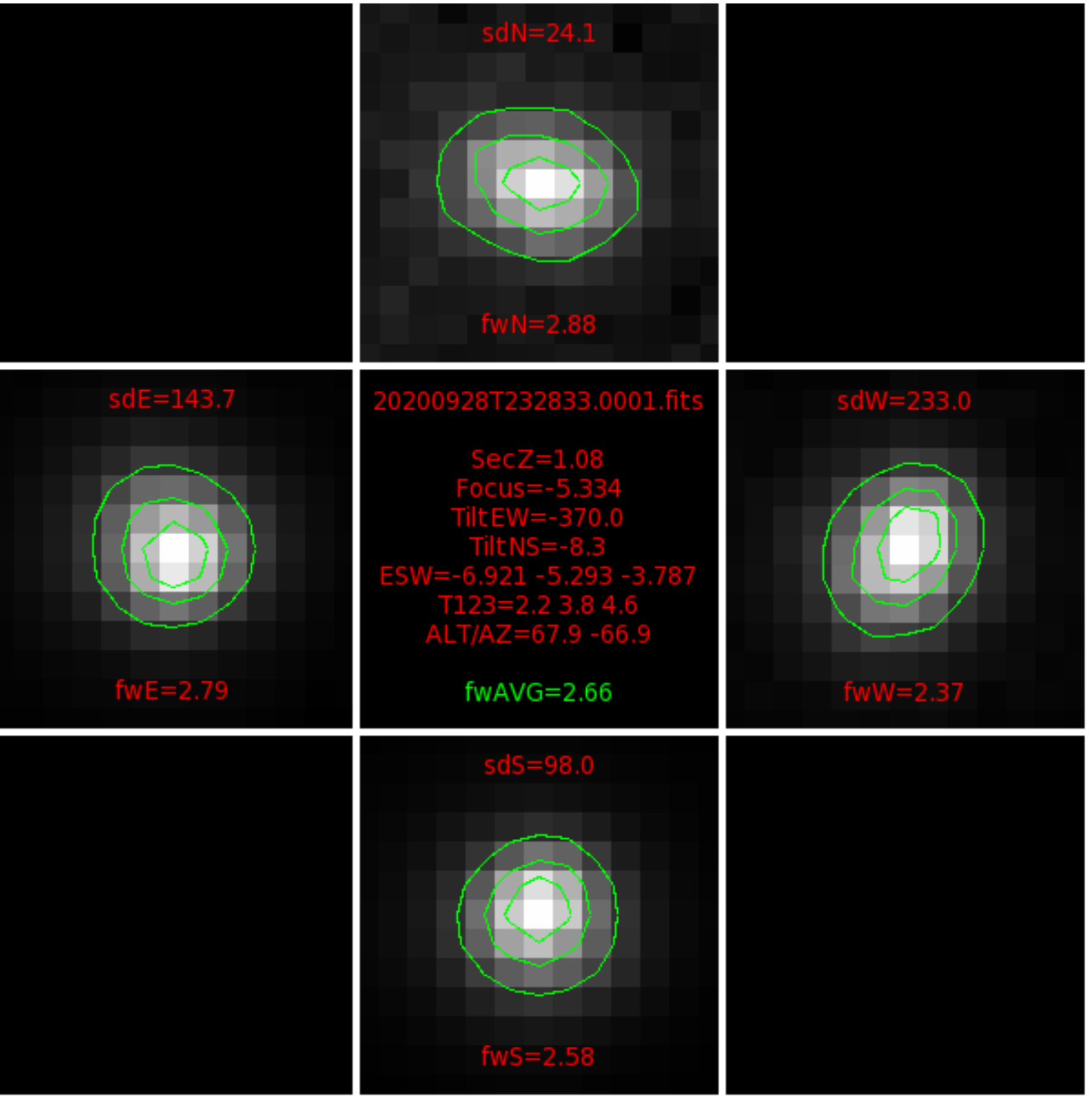
sdN=24.1
fwN=2.88
sdE=143.7
fwE=2.79
20200928T232833.0001.fits
SecZ=1.08
Focus=-5.334
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.921 -5.293 -3.787
T123=2.2 3.8 4.6
ALT/AZ=67.9 -66.9
fwAVG=2.66
sdW=233.0
fwW=2.37
sdS=98.0
fwS=2.58
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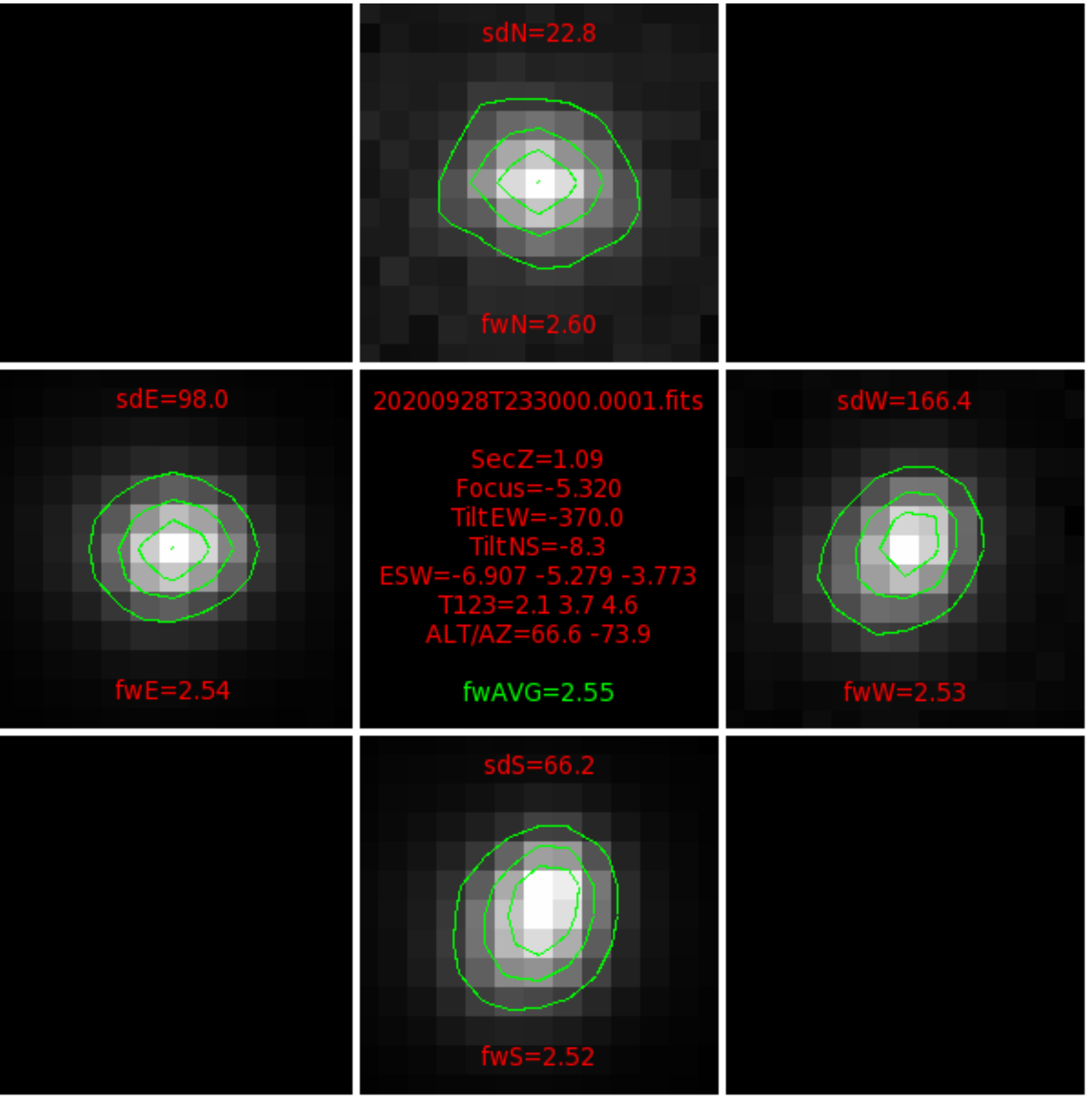
sdN=22.8
fwN=2.60
sdE=98.0
fwE=2.54
20200928T233000.0001.fits
SecZ=1.09
Focus=-5.320
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.907 -5.279 -3.773
T123=2.1 3.7 4.6
ALT/AZ=66.6 -73.9
fwAVG=2.55
sdW=166.4
fwW=2.53
sdS=66.2
fwS=2.52
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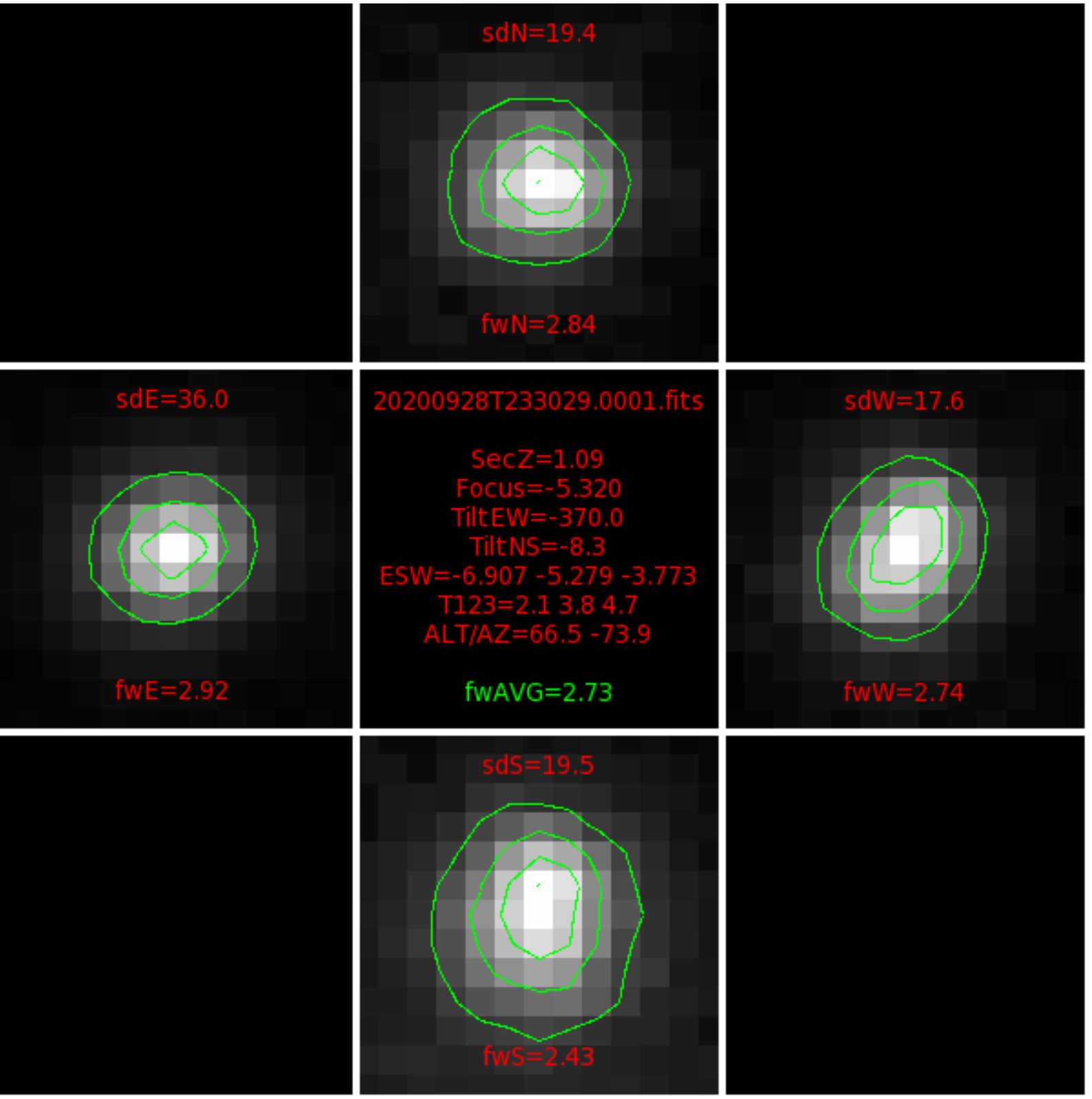
sdN=19.4
fwN=2.84
sdE=36.0
fwE=2.92
20200928T233029.0001.fits
SecZ=1.09
Focus=-5.320
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.907 -5.279 -3.773
T123=2.1 3.8 4.7
ALT/AZ=66.5 -73.9
fwAVG=2.73
sdW=17.6
fwW=2.74
sdS=19.5
fwS=2.43
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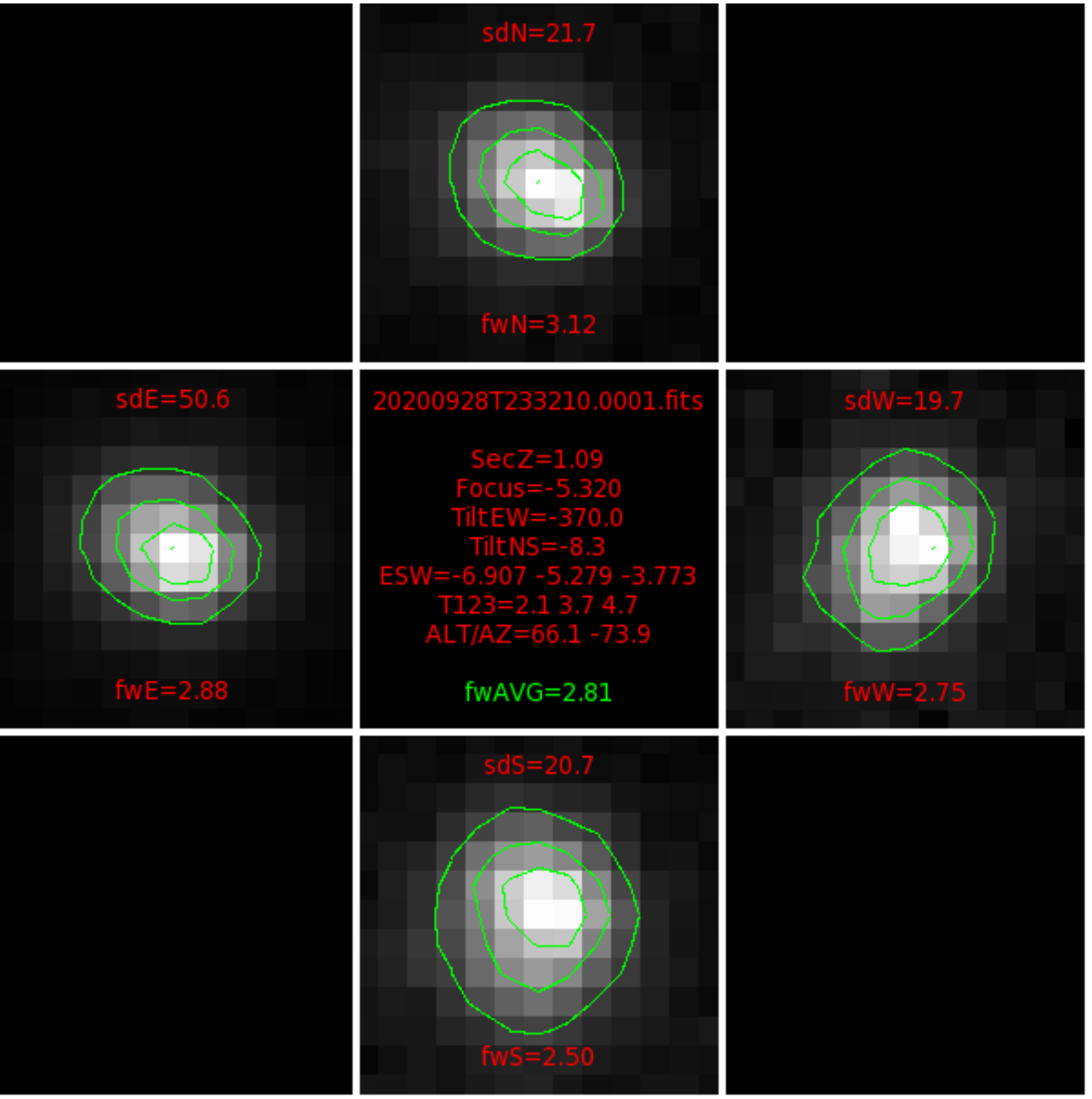
sdN=21.7
fwN=3.12
sdE=50.6
fwE=2.88
20200928T233210.0001.fits
SecZ=1.09
Focus=-5.320
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.907 -5.279 -3.773
T123=2.1 3.7 4.7
ALT/AZ=66.1 -73.9
fwAVG=2.81
sdW=19.7
fwW=2.75
sdS=20.7
fwS=2.50
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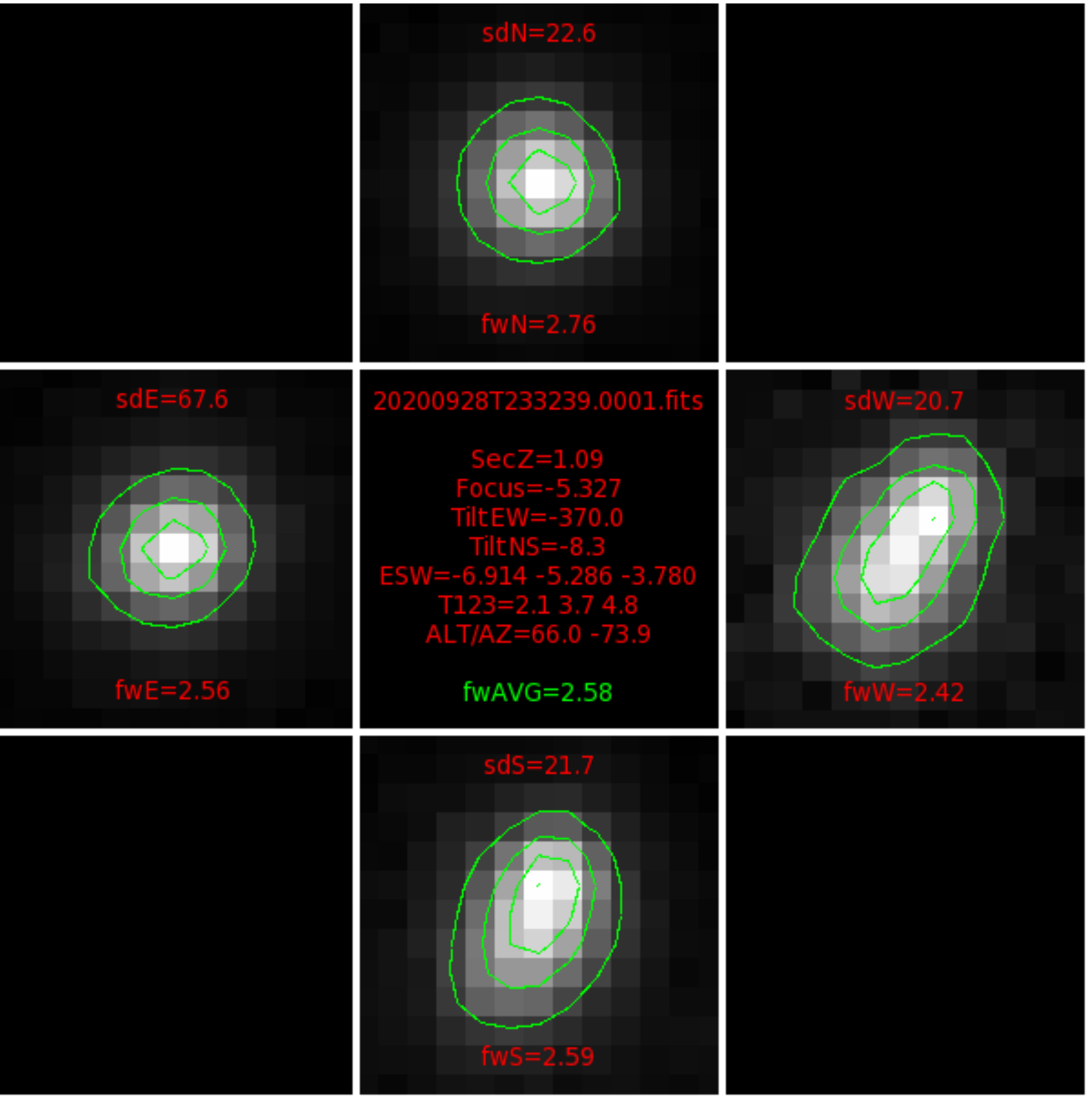
sdN=22.6
fwN=2.76
sdE=67.6
fwE=2.56
20200928T233239.0001.fits
SecZ=1.09
Focus=-5.327
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.914 -5.286 -3.780
T123=2.1 3.7 4.8
ALT/AZ=66.0 -73.9
fwAVG=2.58
sdW=20.7
fwW=2.42
sdS=21.7
fwS=2.59
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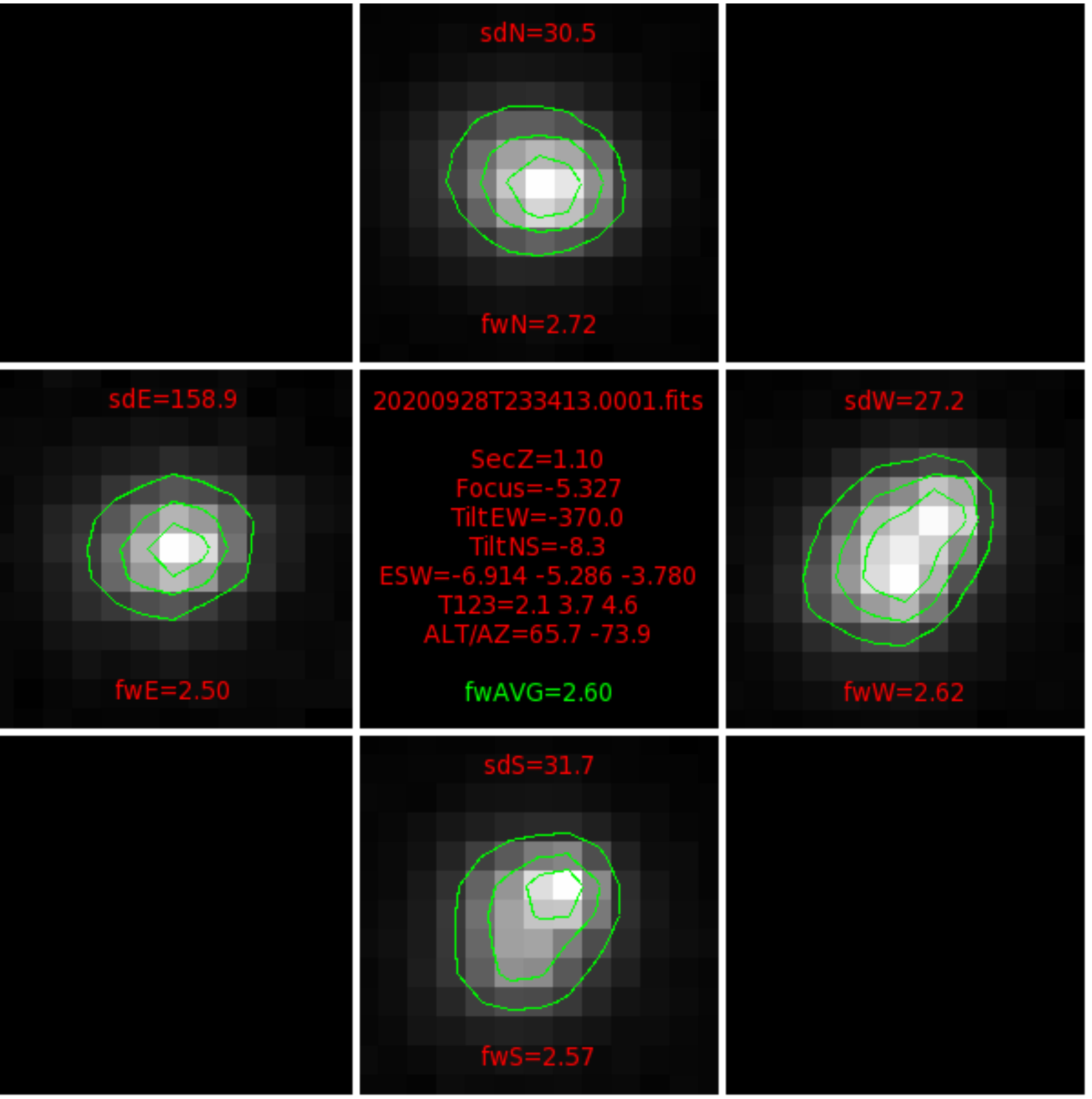
sdN=30.5
fwN=2.72
sdE=158.9
fwE=2.50
20200928T233413.0001.fits
SecZ=1.10
Focus=-5.327
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.914 -5.286 -3.780
T123=2.1 3.7 4.6
ALT/AZ=65.7 -73.9
fwAVG=2.60
sdW=27.2
fwW=2.62
sdS=31.7
fwS=2.57
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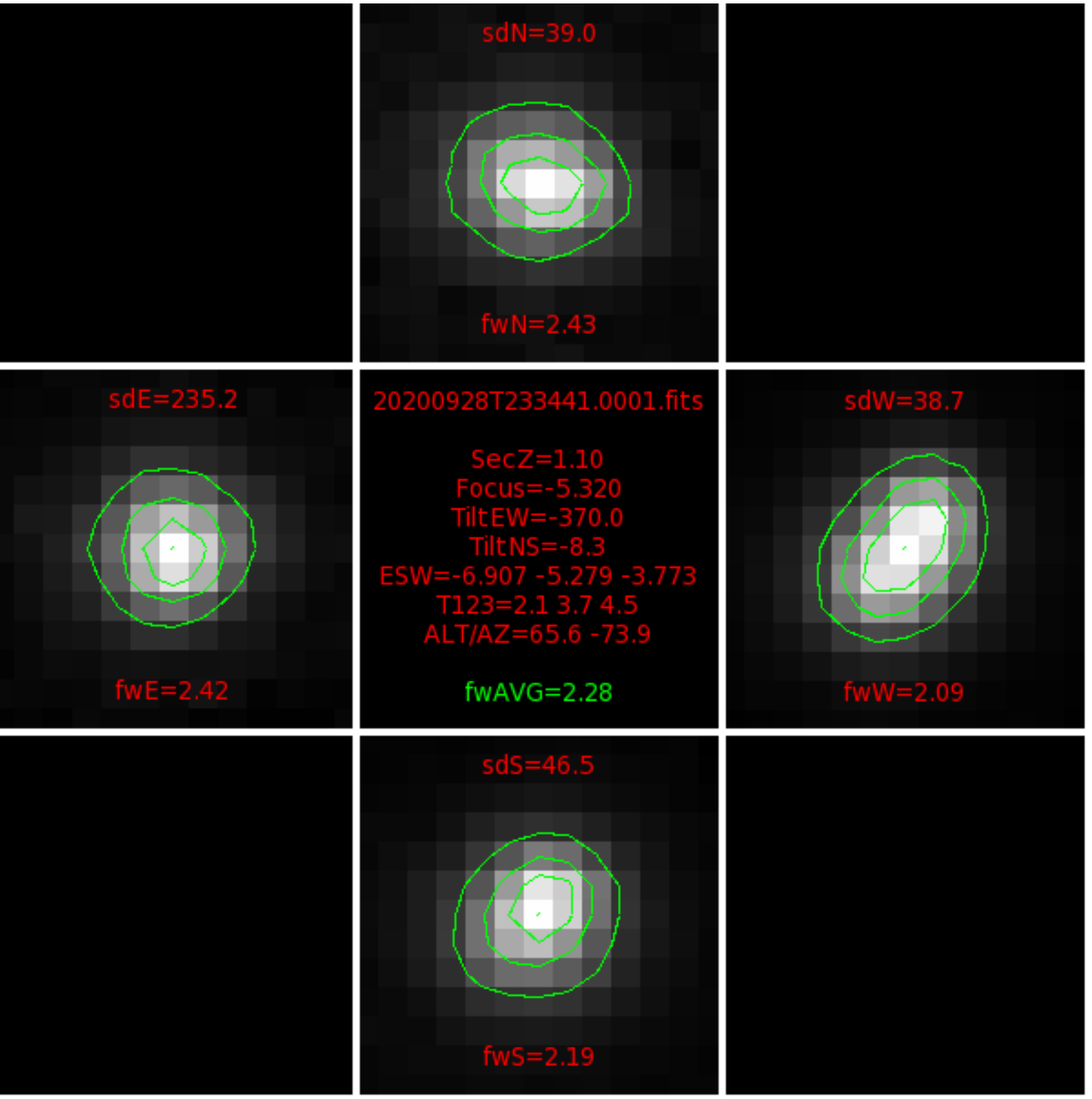
sdN=39.0
fwN=2.43
sdE=235.2
fwE=2.42
20200928T233441.0001.fits
SecZ=1.10
Focus=-5.320
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.907 -5.279 -3.773
T123=2.1 3.7 4.5
ALT/AZ=65.6 -73.9
fwAVG=2.28
sdW=38.7
fwW=2.09
sdS=46.5
fwS=2.19
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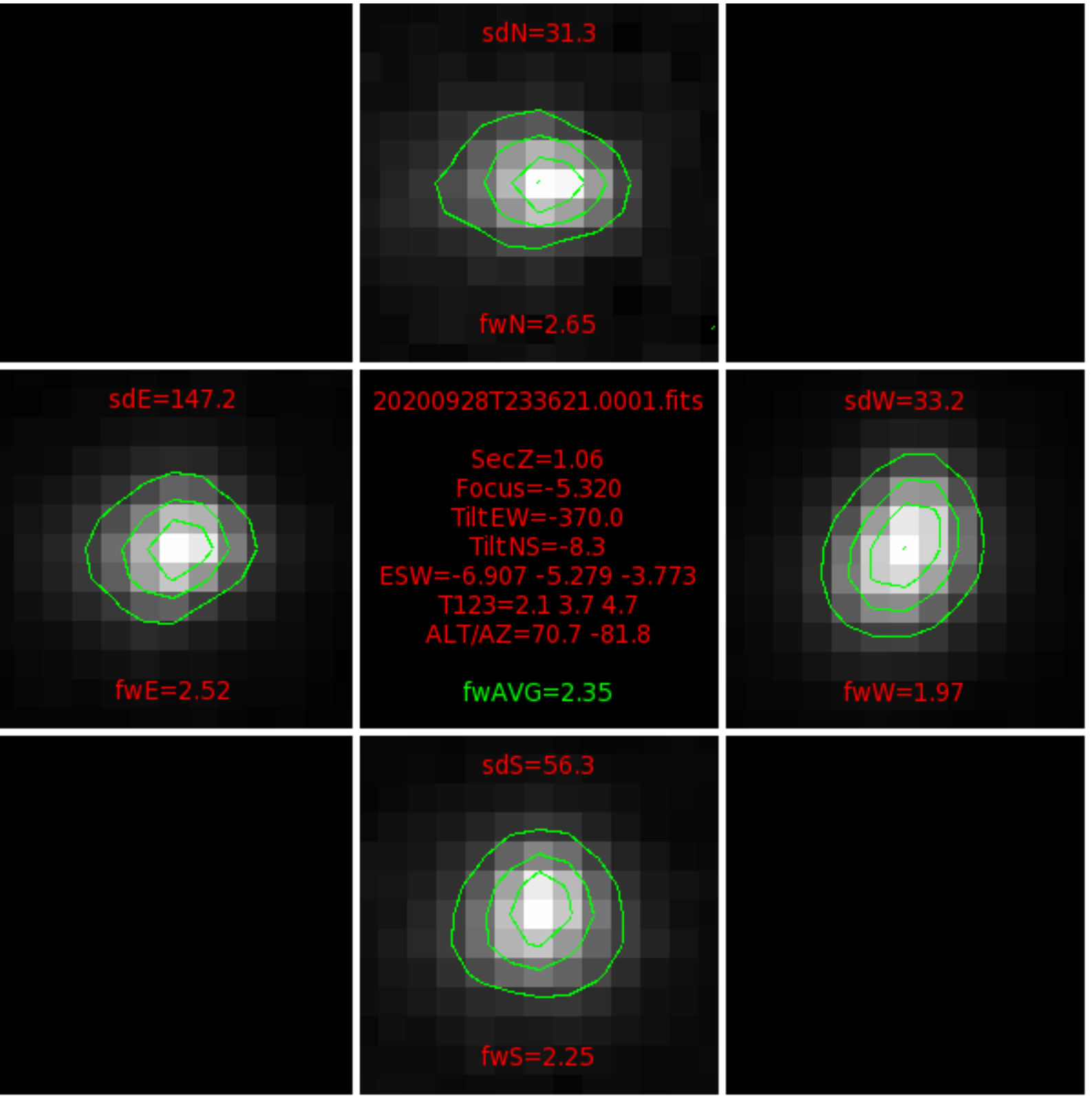
sdN=31.3
fwN=2.65
sdE=147.2
fwE=2.52
20200928T233621.0001.fits
SecZ=1.06
Focus=-5.320
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.907 -5.279 -3.773
T123=2.1 3.7 4.7
ALT/AZ=70.7 -81.8
fwAVG=2.35
sdW=33.2
fwW=1.97
sdS=56.3
fwS=2.25
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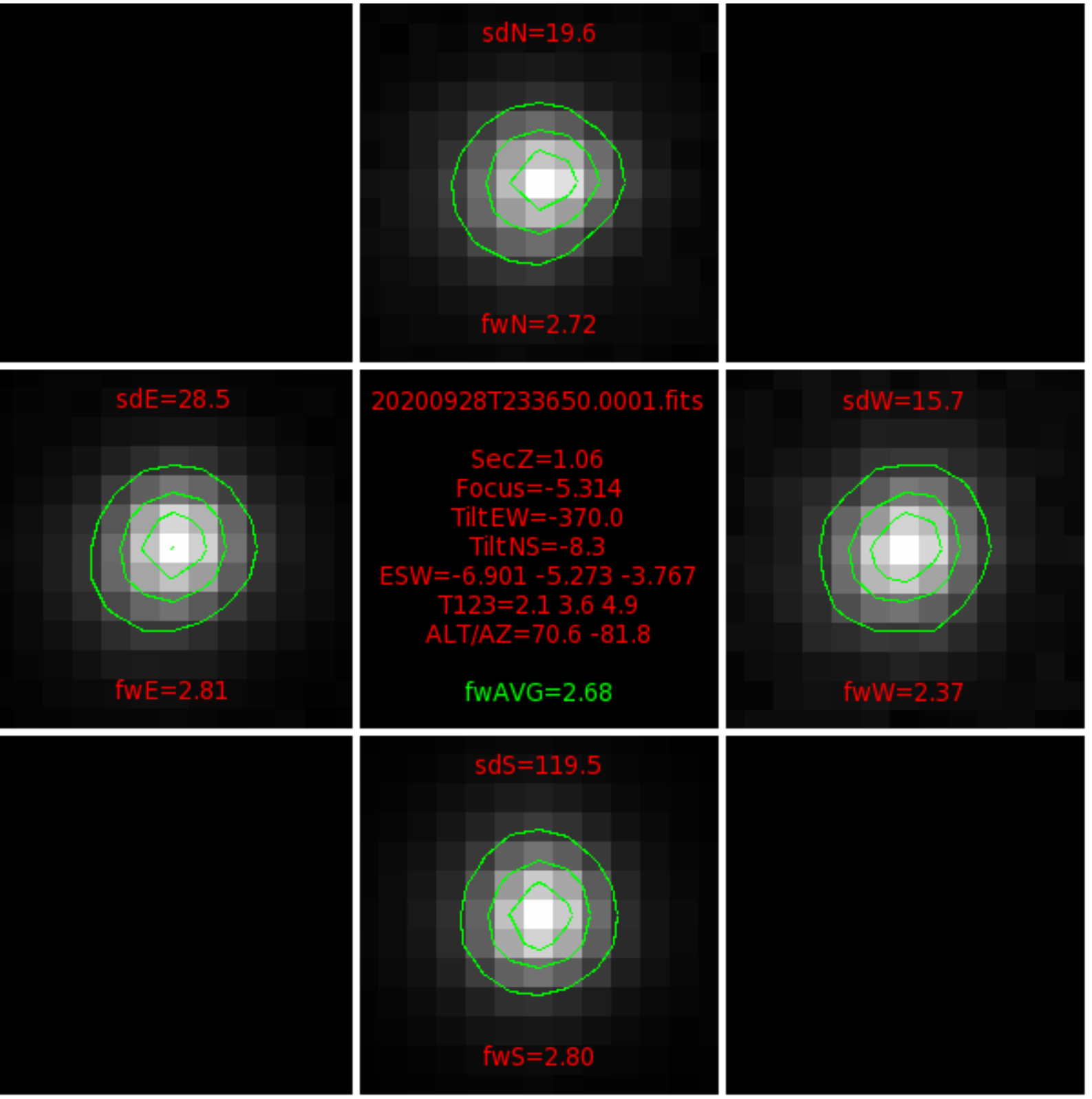
sdN=19.6
fwN=2.72
sdE=28.5
fwE=2.81
20200928T233650.0001.fits
SecZ=1.06
Focus=-5.314
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.901 -5.273 -3.767
T123=2.1 3.6 4.9
ALT/AZ=70.6 -81.8
fwAVG=2.68
sdW=15.7
fwW=2.37
sdS=119.5
fwS=2.80
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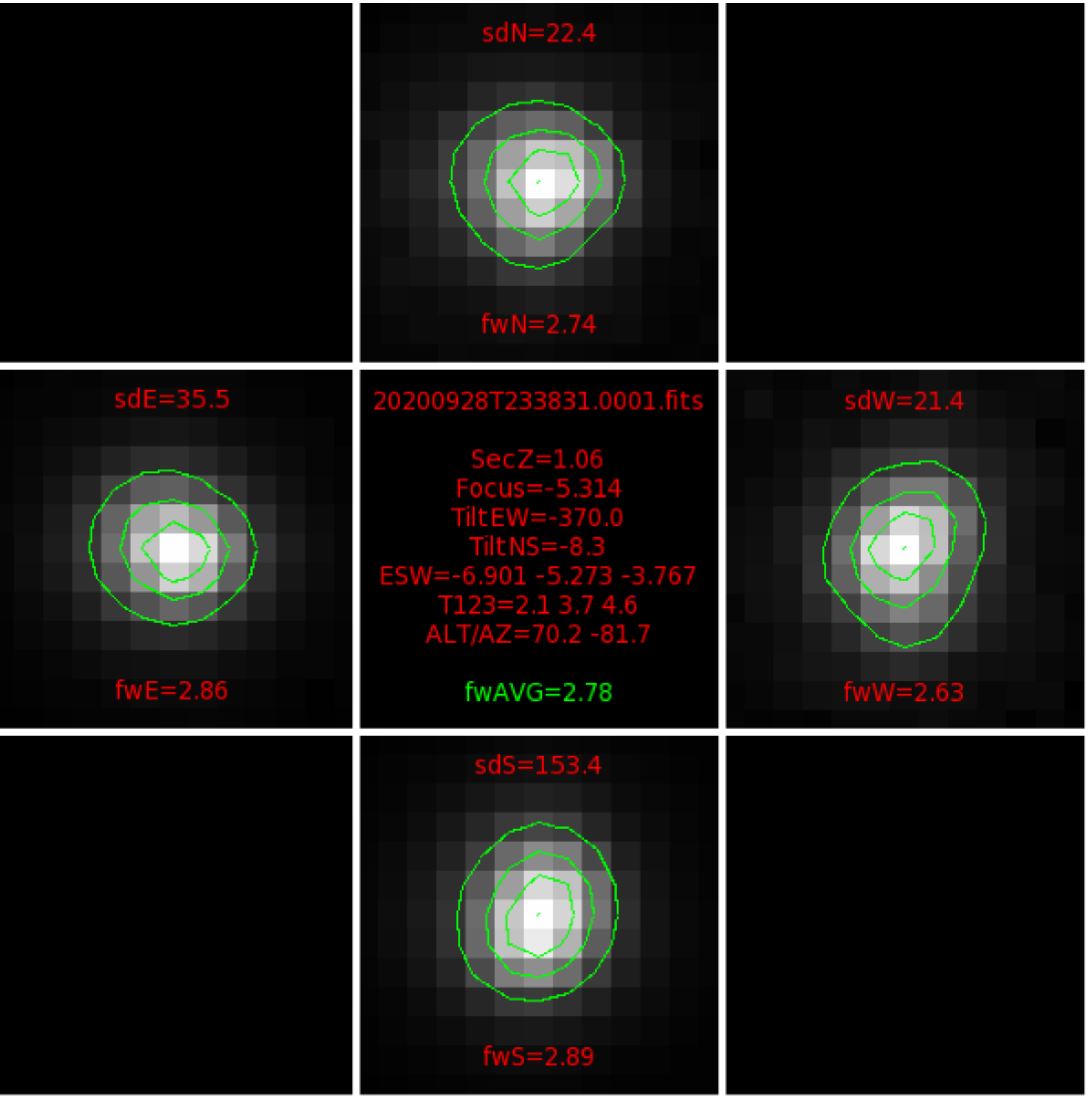
sdN=22.4
fwN=2.74
sdE=35.5
fwE=2.86
20200928T233831.0001.fits
SecZ=1.06
Focus=-5.314
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.901 -5.273 -3.767
T123=2.1 3.7 4.6
ALT/AZ=70.2 -81.7
fwAVG=2.78
sdW=21.4
fwW=2.63
sdS=153.4
fwS=2.89
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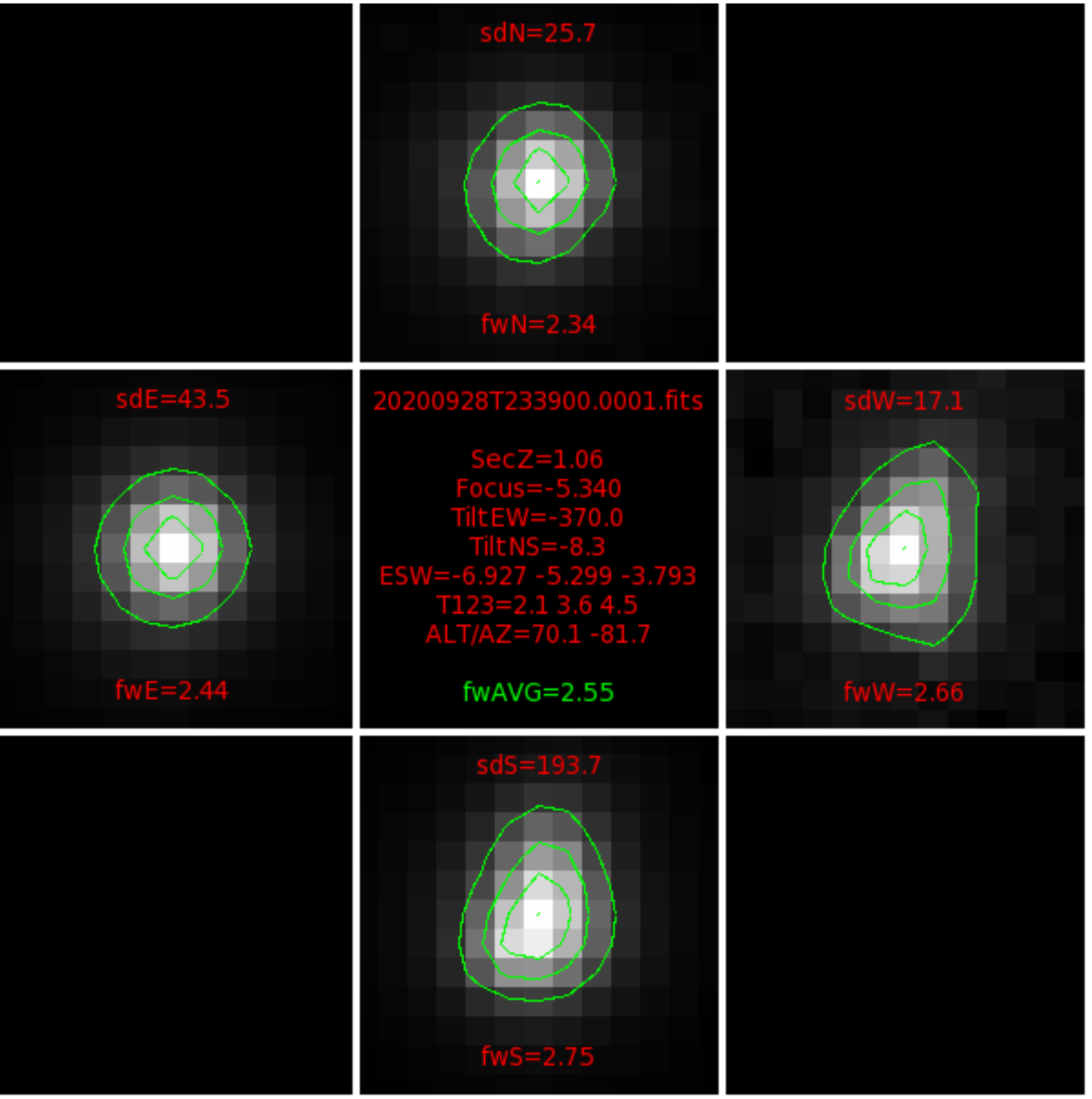
sdN=25.7
fwN=2.34
sdE=43.5
fwE=2.44
20200928T233900.0001.fits
SecZ=1.06
Focus=-5.340
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.927 -5.299 -3.793
T123=2.1 3.6 4.5
ALT/AZ=70.1 -81.7
fwAVG=2.55
sdW=17.1
fwW=2.66
sdS=193.7
fwS=2.75
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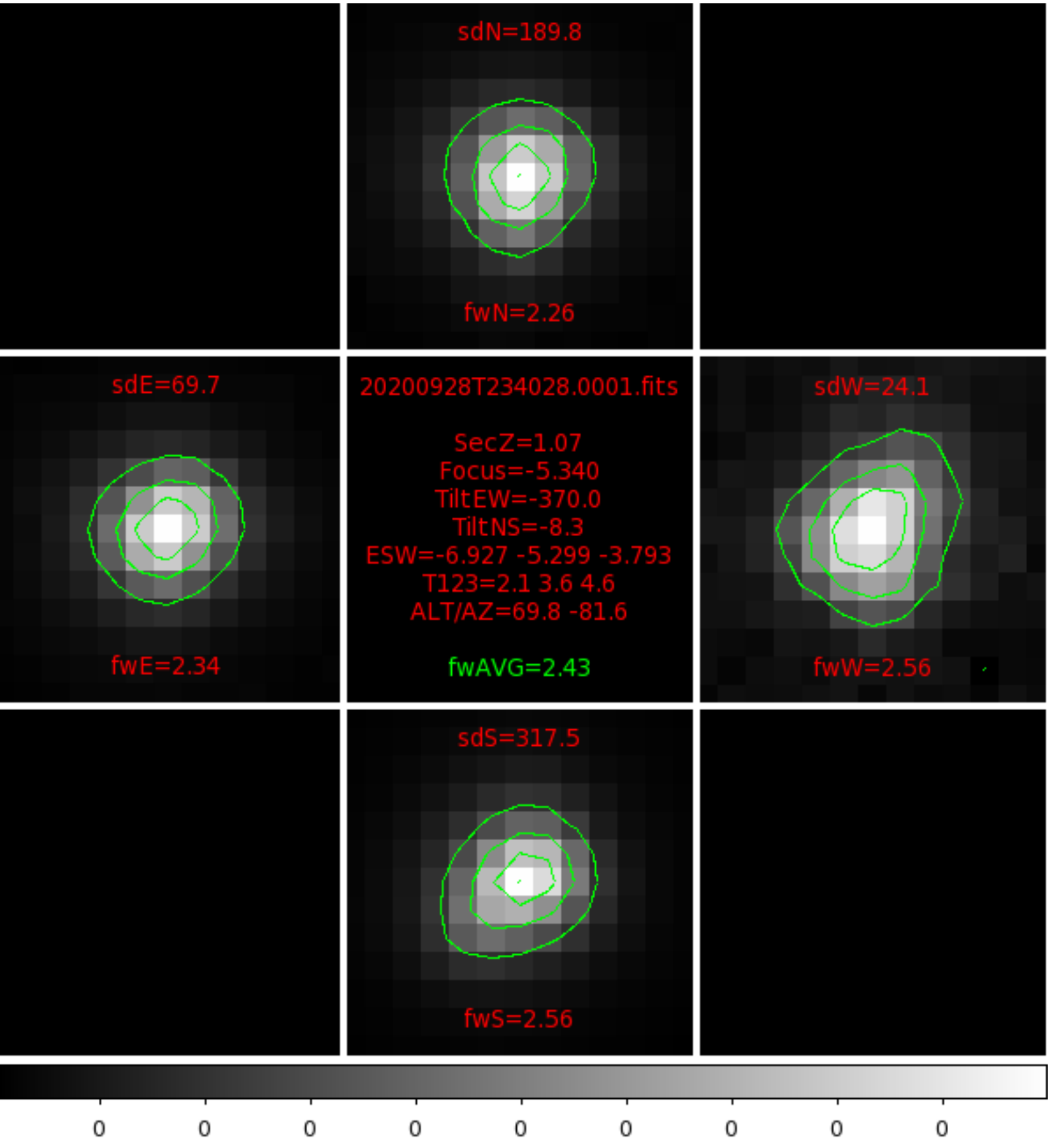
sdN=189.8
fwN=2.26
sdE=69.7
fwE=2.34
20200928T234028.0001.fits
SecZ=1.07
Focus=-5.340
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.927 -5.299 -3.793
T123=2.1 3.6 4.6
ALT/AZ=69.8 -81.6
fwAVG=2.43
sdW=24.1
fwW=2.56
sdS=317.5
fwS=2.56
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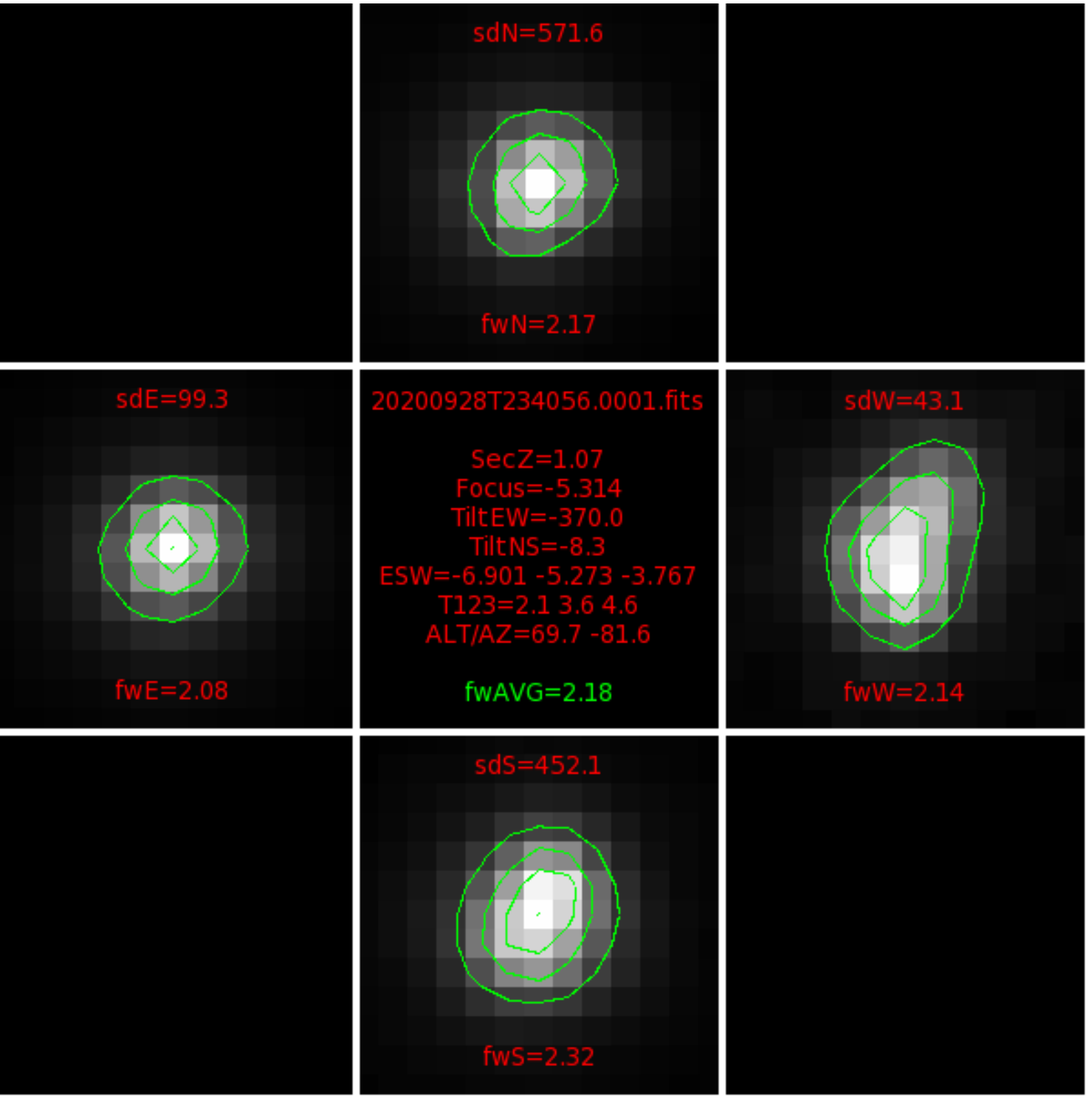
sdN=571.6
fwN=2.17
sdE=99.3
fwE=2.08
20200928T234056.0001.fits
SecZ=1.07
Focus=-5.314
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.901 -5.273 -3.767
T123=2.1 3.6 4.6
ALT/AZ=69.7 -81.6
fwAVG=2.18
sdW=43.1
fwW=2.14
sdS=452.1
fwS=2.32
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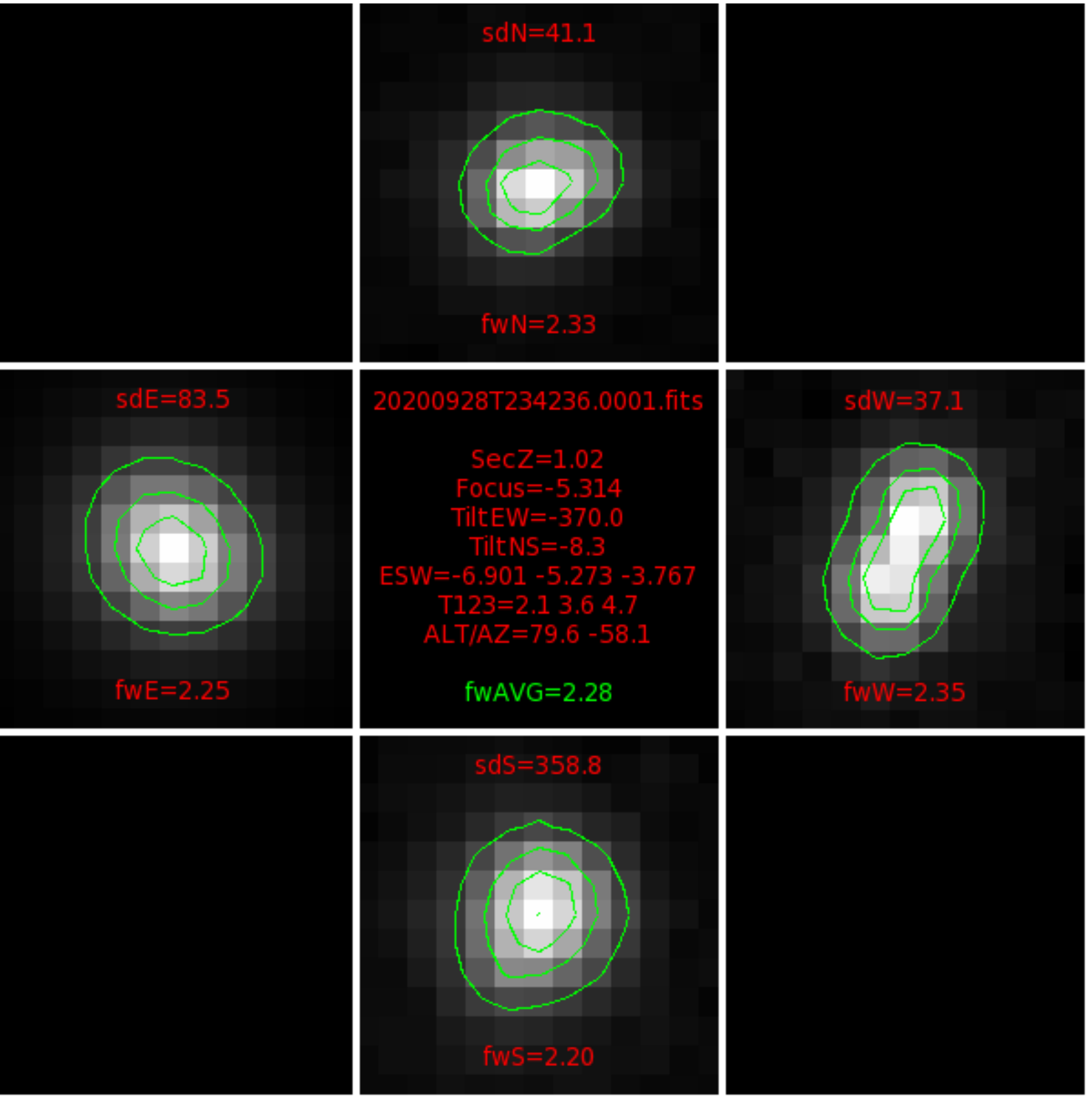
sdN=41.1
fwN=2.33
sdE=83.5
fwE=2.25
20200928T234236.0001.fits
SecZ=1.02
Focus=-5.314
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.901 -5.273 -3.767
T123=2.1 3.6 4.7
ALT/AZ=79.6 -58.1
fwAVG=2.28
sdW=37.1
fwW=2.35
sdS=358.8
fwS=2.20
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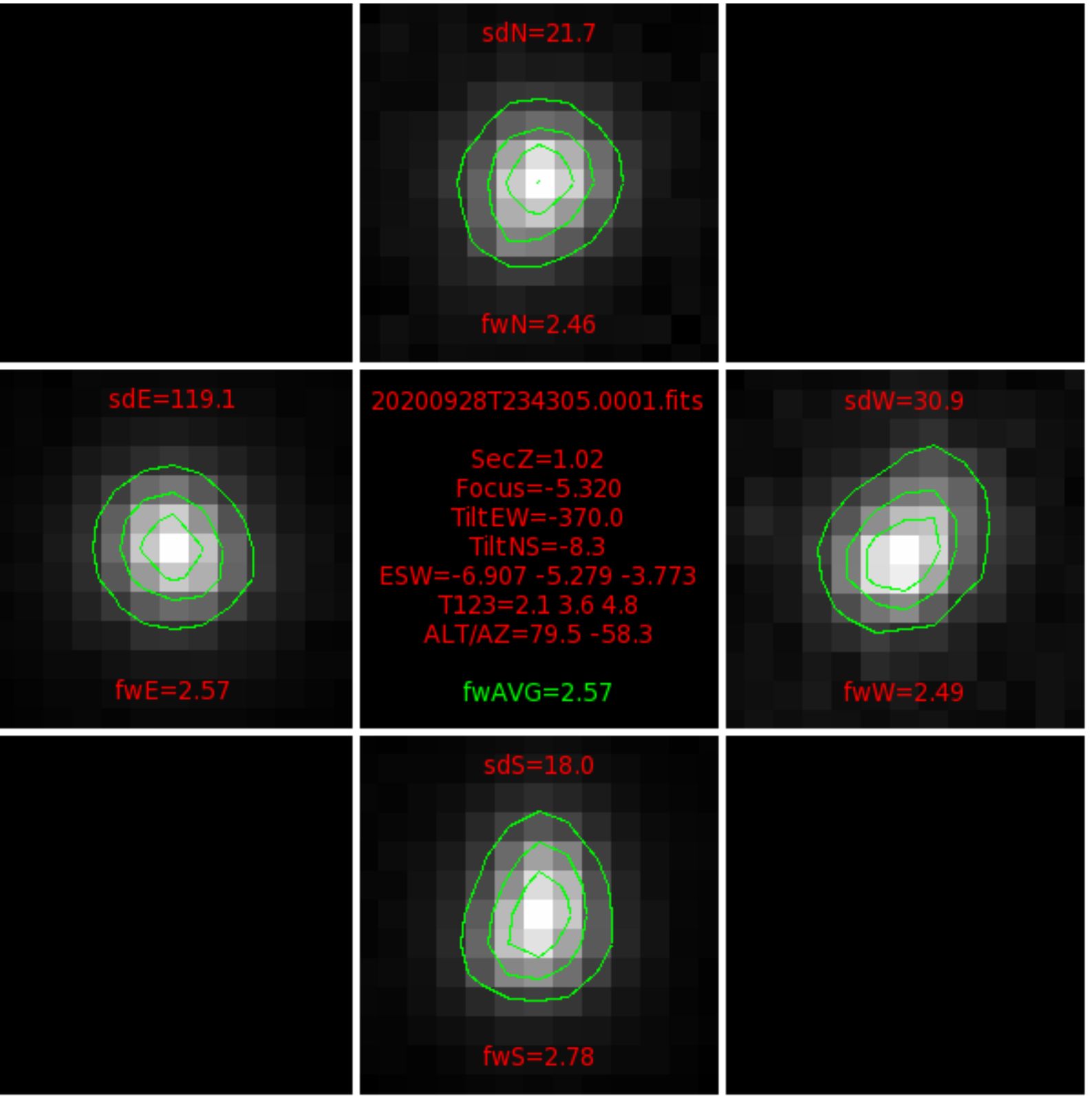
sdN=21.7
fwN=2.46
sdE=119.1
fwE=2.57
20200928T234305.0001.fits
SecZ=1.02
Focus=-5.320
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.907 -5.279 -3.773
T123=2.1 3.6 4.8
ALT/AZ=79.5 -58.3
fwAVG=2.57
sdW=30.9
fwW=2.49
sdS=18.0
fwS=2.78
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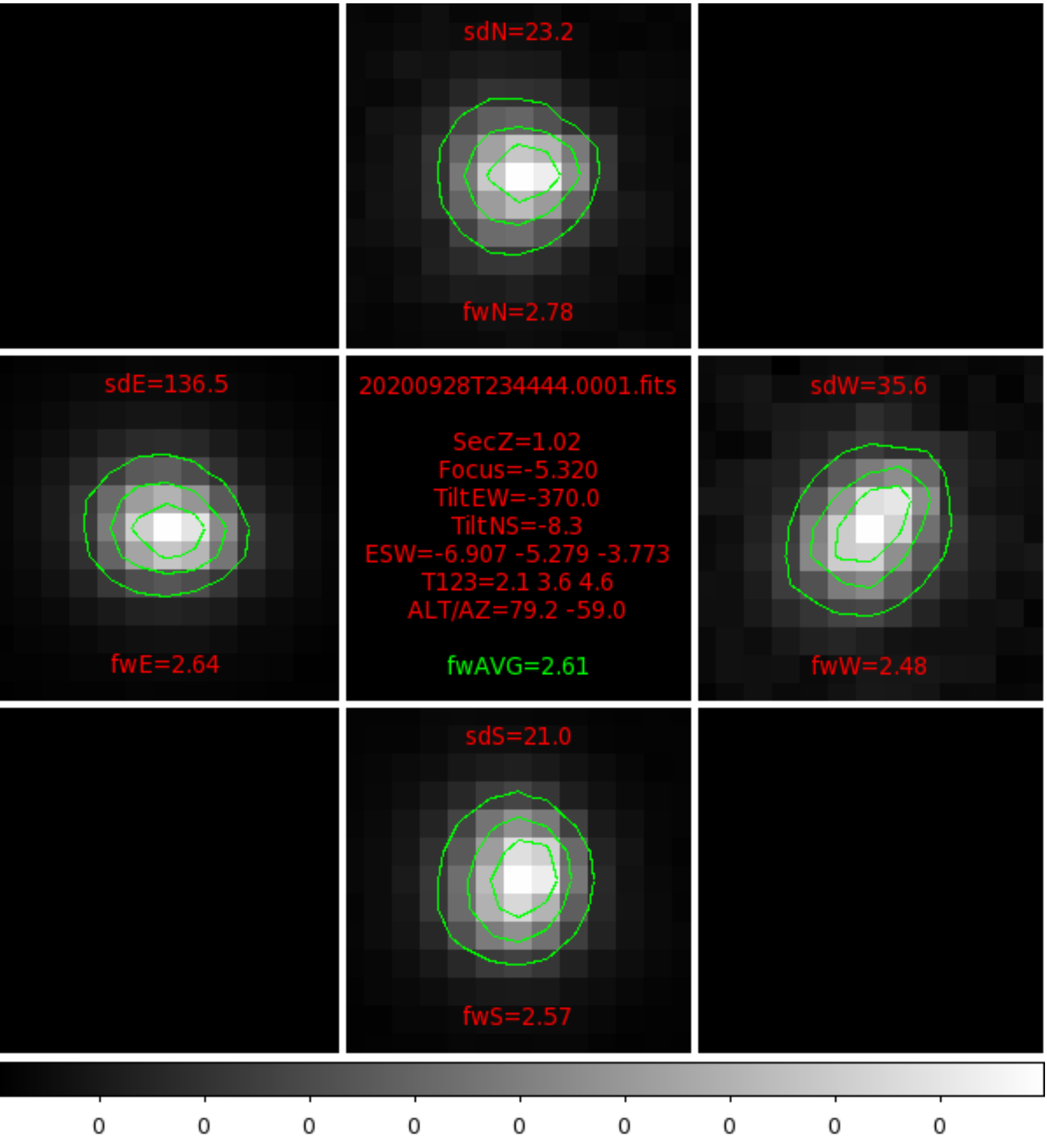
sdN=23.2
fwN=2.78
sdE=136.5
fwE=2.64
20200928T234444.0001.fits
SecZ=1.02
Focus=-5.320
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.907 -5.279 -3.773
T123=2.1 3.6 4.6
ALT/AZ=79.2 -59.0
fwAVG=2.61
sdW=35.6
fwW=2.48
sdS=21.0
fwS=2.57
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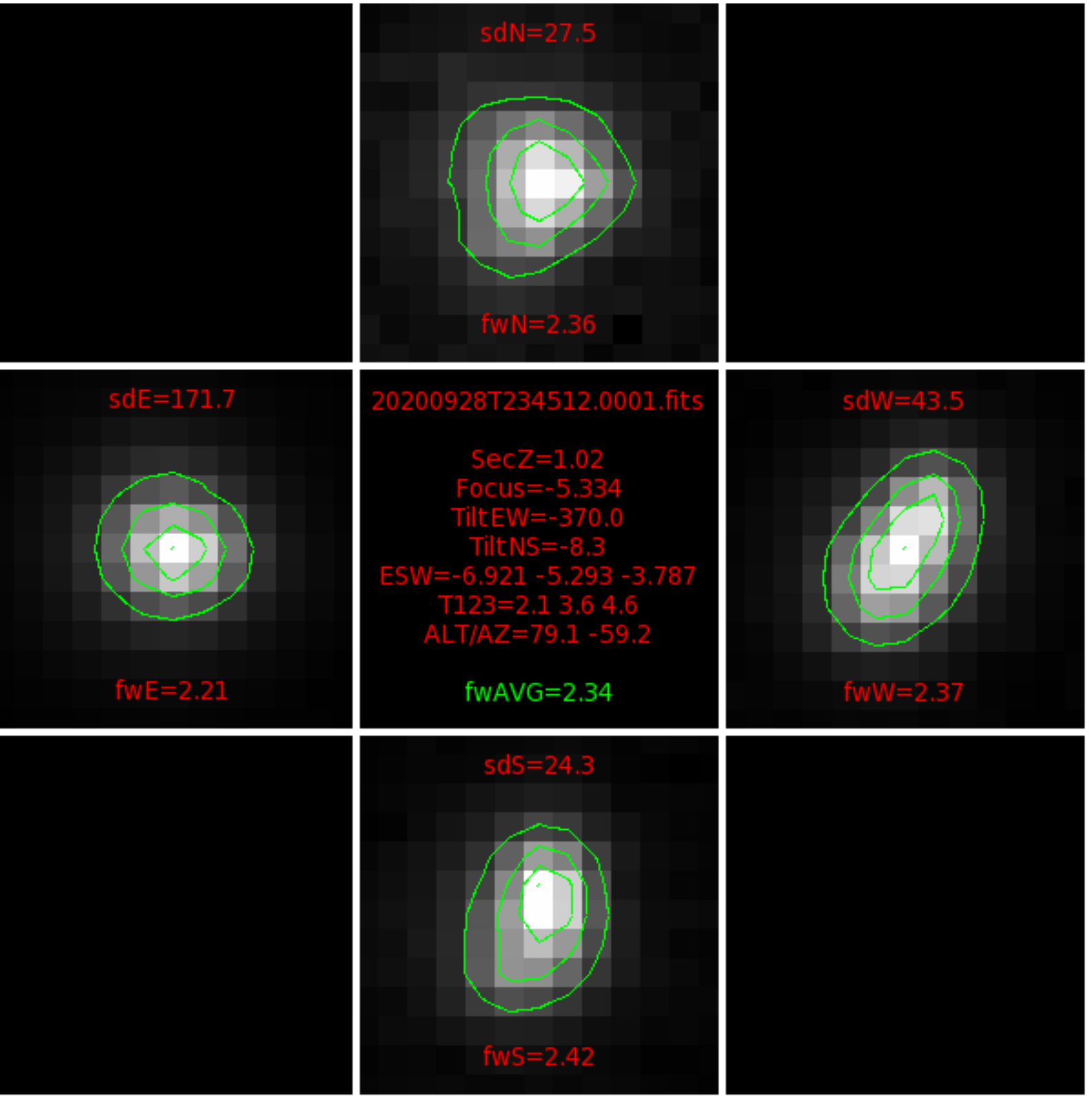
sdN=27.5
fwN=2.36
sdE=171.7
fwE=2.21
20200928T234512.0001.fits
SecZ=1.02
Focus=-5.334
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.921 -5.293 -3.787
T123=2.1 3.6 4.6
ALT/AZ=79.1 -59.2
fwAVG=2.34
sdW=43.5
fwW=2.37
sdS=24.3
fwS=2.42
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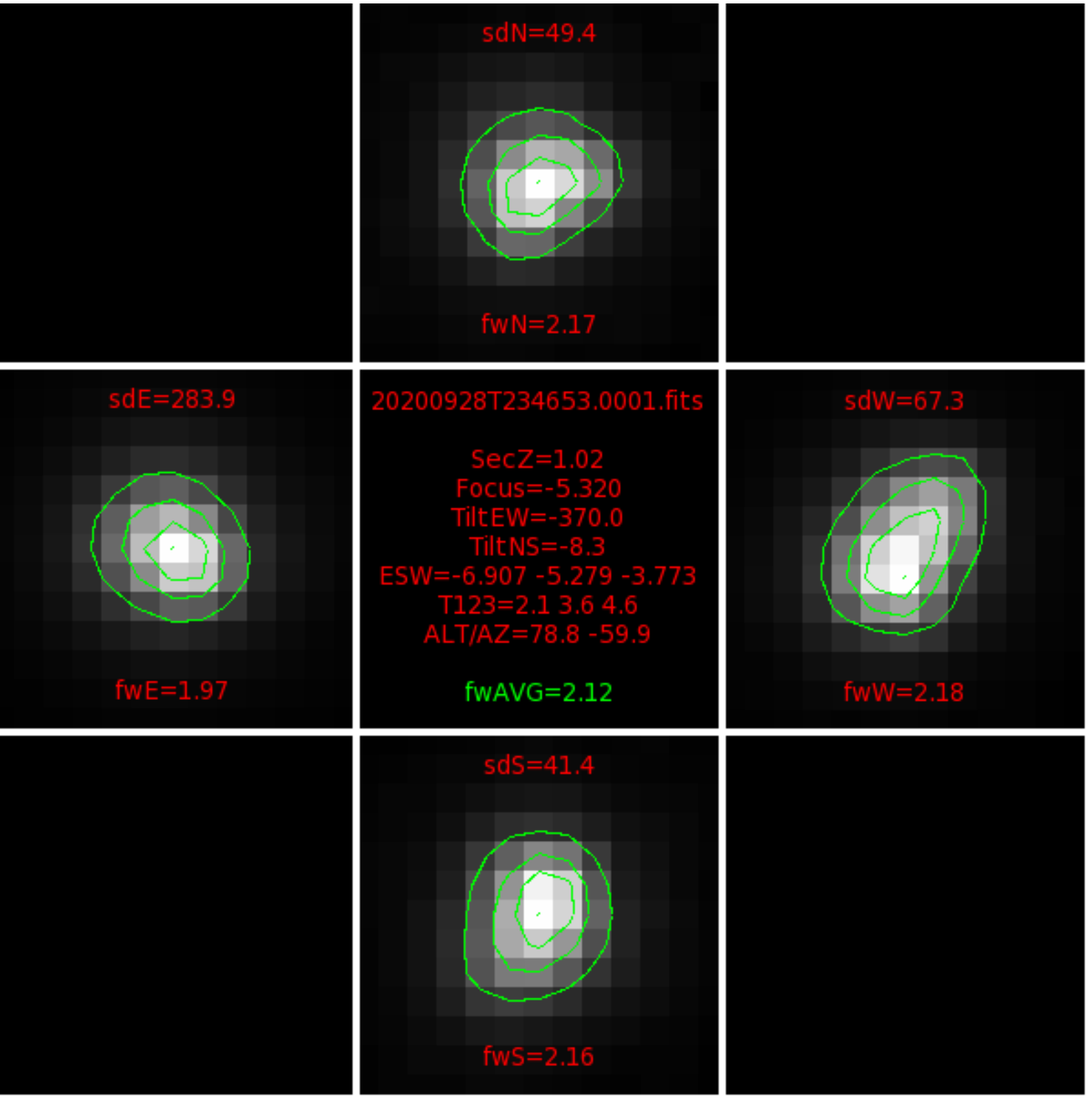
sdN=49.4
fwN=2.17
sdE=283.9
fwE=1.97
20200928T234653.0001.fits
SecZ=1.02
Focus=-5.320
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.907 -5.279 -3.773
T123=2.1 3.6 4.6
ALT/AZ=78.8 -59.9
fwAVG=2.12
sdW=67.3
fwW=2.18
sdS=41.4
fwS=2.16
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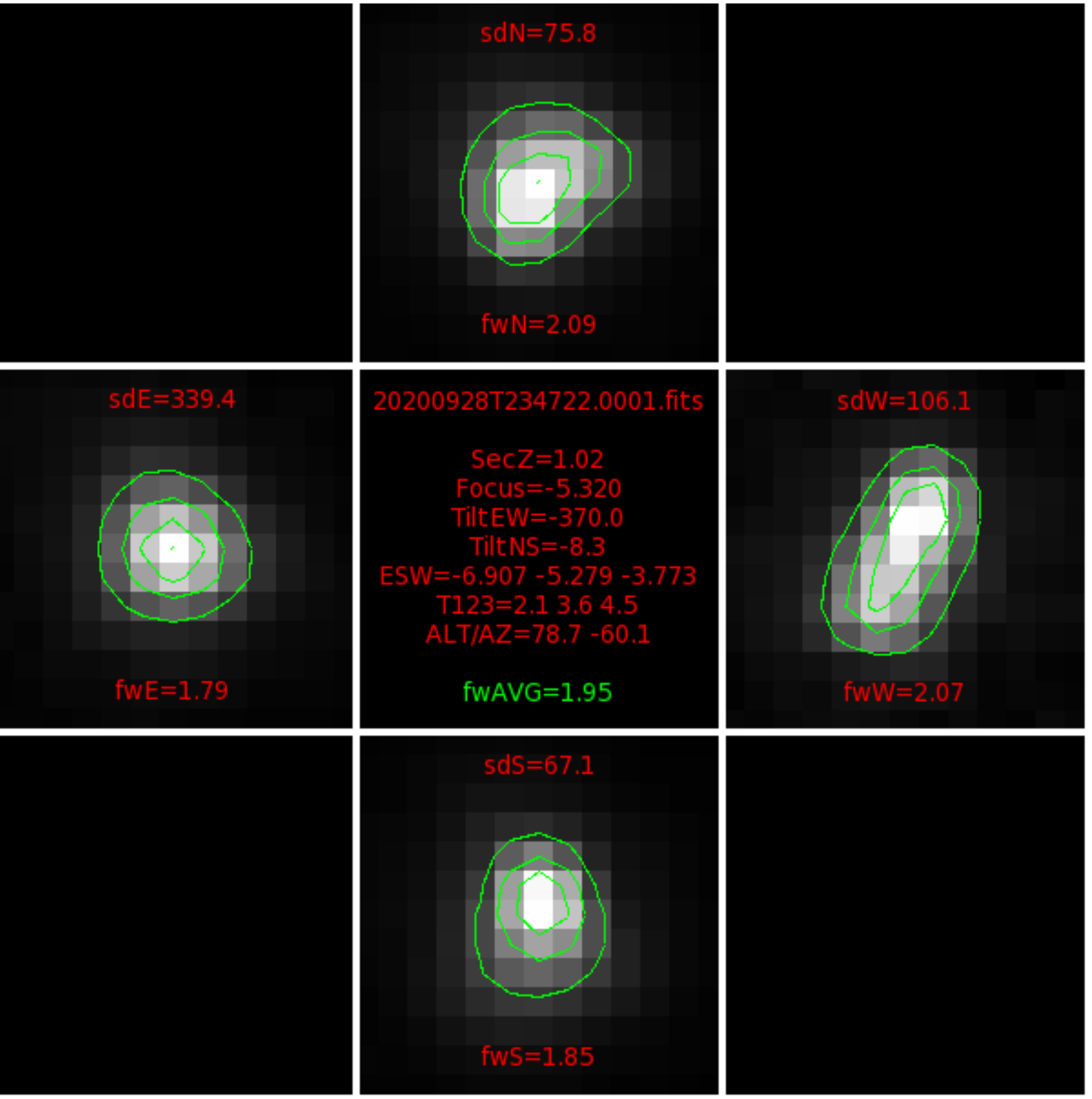
sdN=75.8
fwN=2.09
sdE=339.4
fwE=1.79
20200928T234722.0001.fits
SecZ=1.02
Focus=-5.320
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.907 -5.279 -3.773
T123=2.1 3.6 4.5
ALT/AZ=78.7 -60.1
fwAVG=1.95
sdW=106.1
fwW=2.07
sdS=67.1
fwS=1.85
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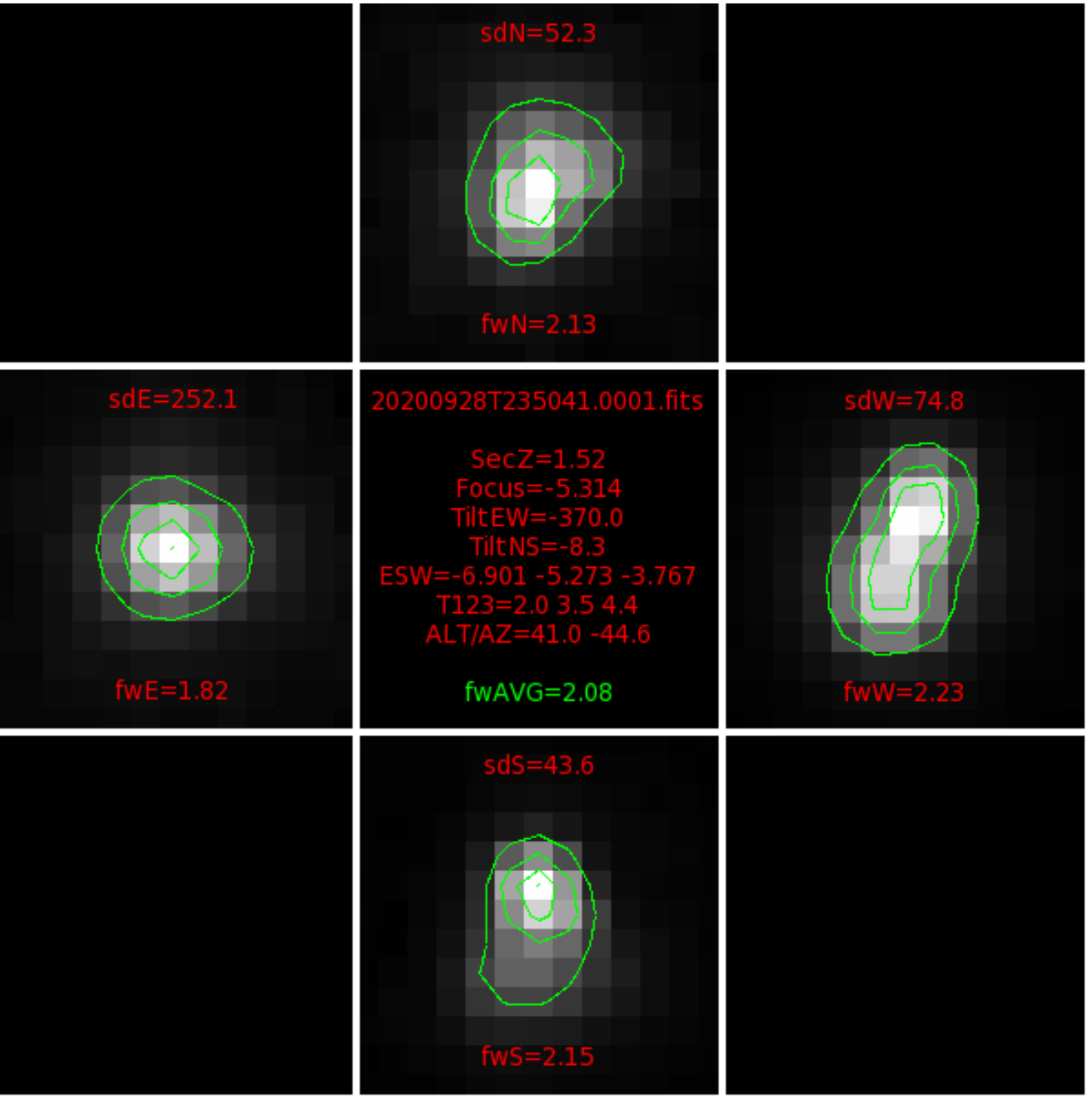
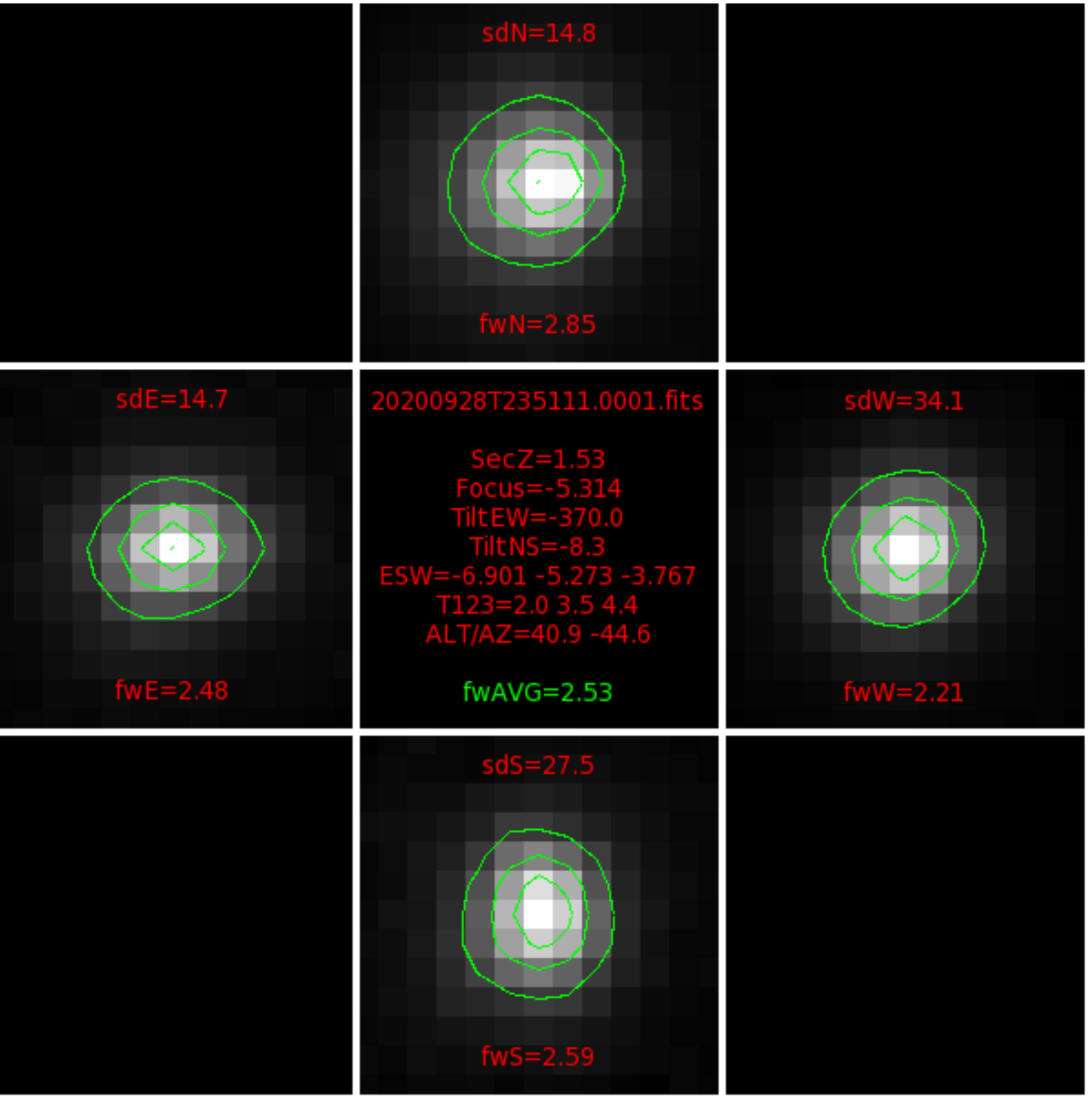

sdN=52.3
fwN=2.13
sdE=252.1
fwE=1.82
20200928T235041.0001.fits
SecZ=1.52
Focus=-5.314
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.901 -5.273 -3.767
T123=2.0 3.5 4.4
ALT/AZ=41.0 -44.6
fwAVG=2.08
sdW=74.8
fwW=2.23
sdS=43.6
fwS=2.15
0 0 0 0 0 0 0 0 0


sdN=14.8
fwN=2.85
sdE=14.7
fwE=2.48
20200928T235111.0001.fits
SecZ=1.53
Focus=-5.314
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.901 -5.273 -3.767
T123=2.0 3.5 4.4
ALT/AZ=40.9 -44.6
fwAVG=2.53
sdW=34.1
fwW=2.21
sdS=27.5
fwS=2.59
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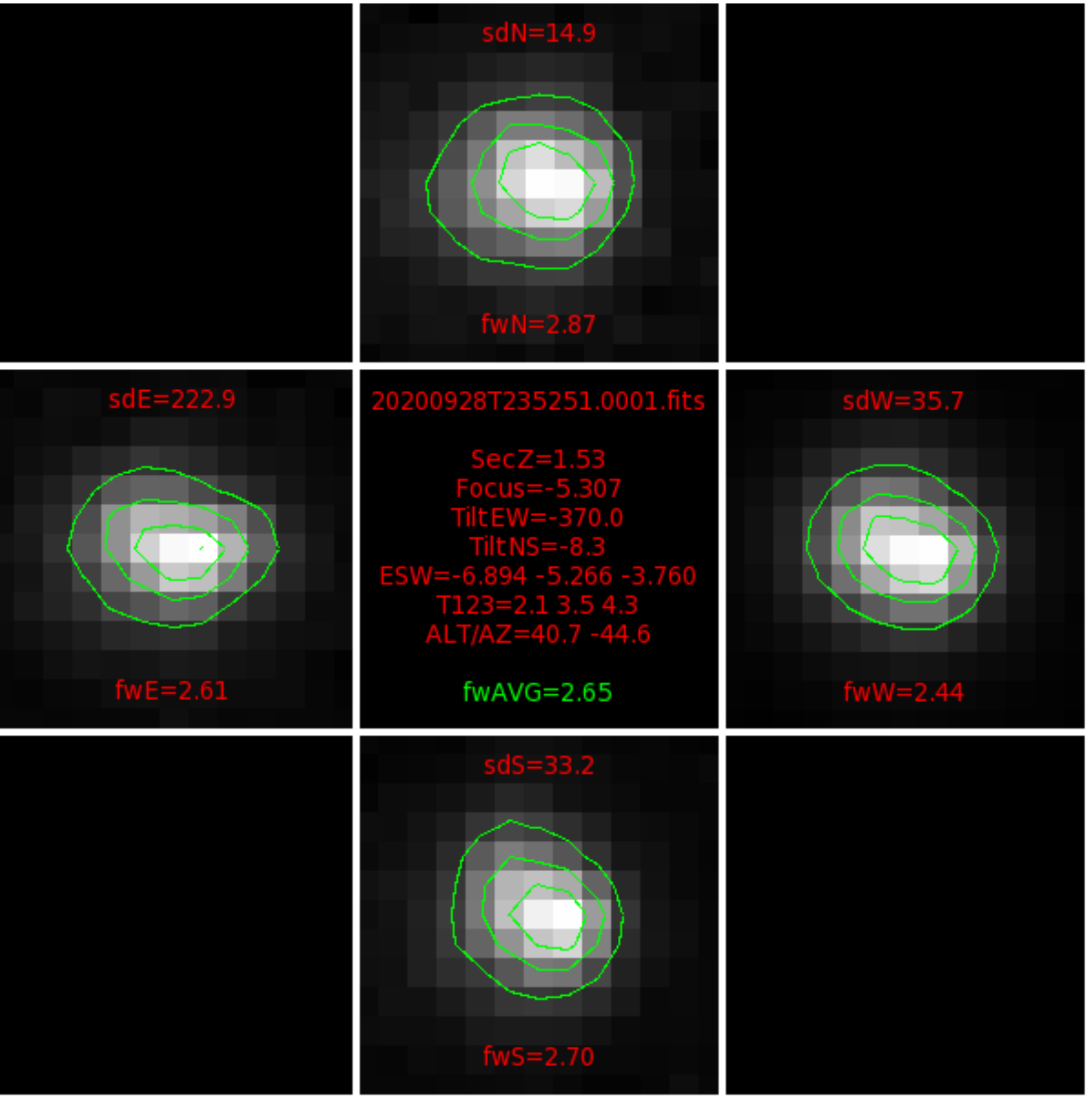
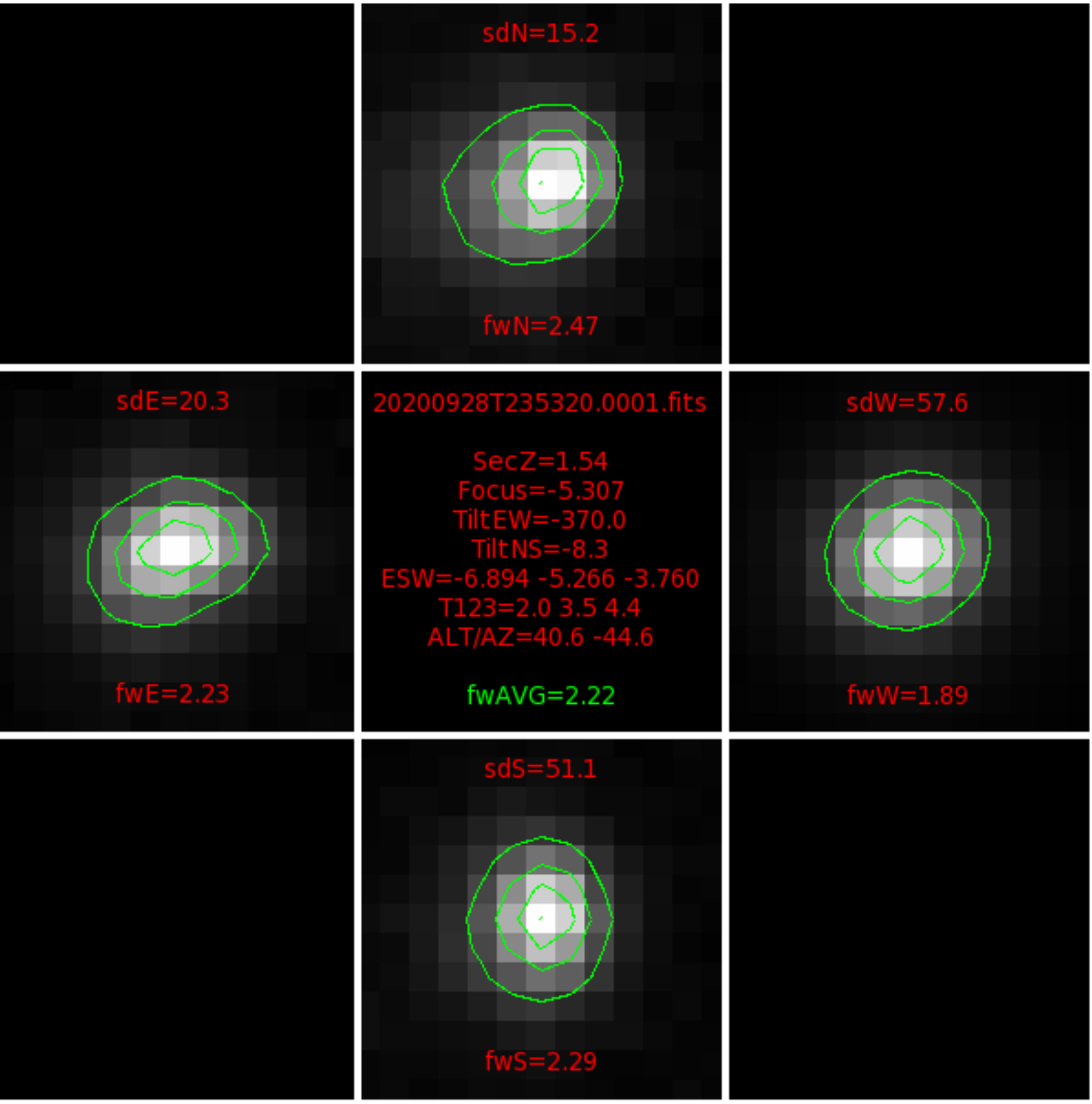

sdN=14.9
fwN=2.87
sdE=222.9
fwE=2.61
20200928T235251.0001.fits
SecZ=1.53
Focus=-5.307
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.894 -5.266 -3.760
T123=2.1 3.5 4.3
ALT/AZ=40.7 -44.6
fwAVG=2.65
sdW=35.7
fwW=2.44
sdS=33.2
fwS=2.70
0 0 0 0 0 0 0 0 0


sdN=15.2
fwN=2.47
sdE=20.3
fwE=2.23
20200928T235320.0001.fits
SecZ=1.54
Focus=-5.307
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.894 -5.266 -3.760
T123=2.0 3.5 4.4
ALT/AZ=40.6 -44.6
fwAVG=2.22
sdW=57.6
fwW=1.89
sdS=51.1
fwS=2.29
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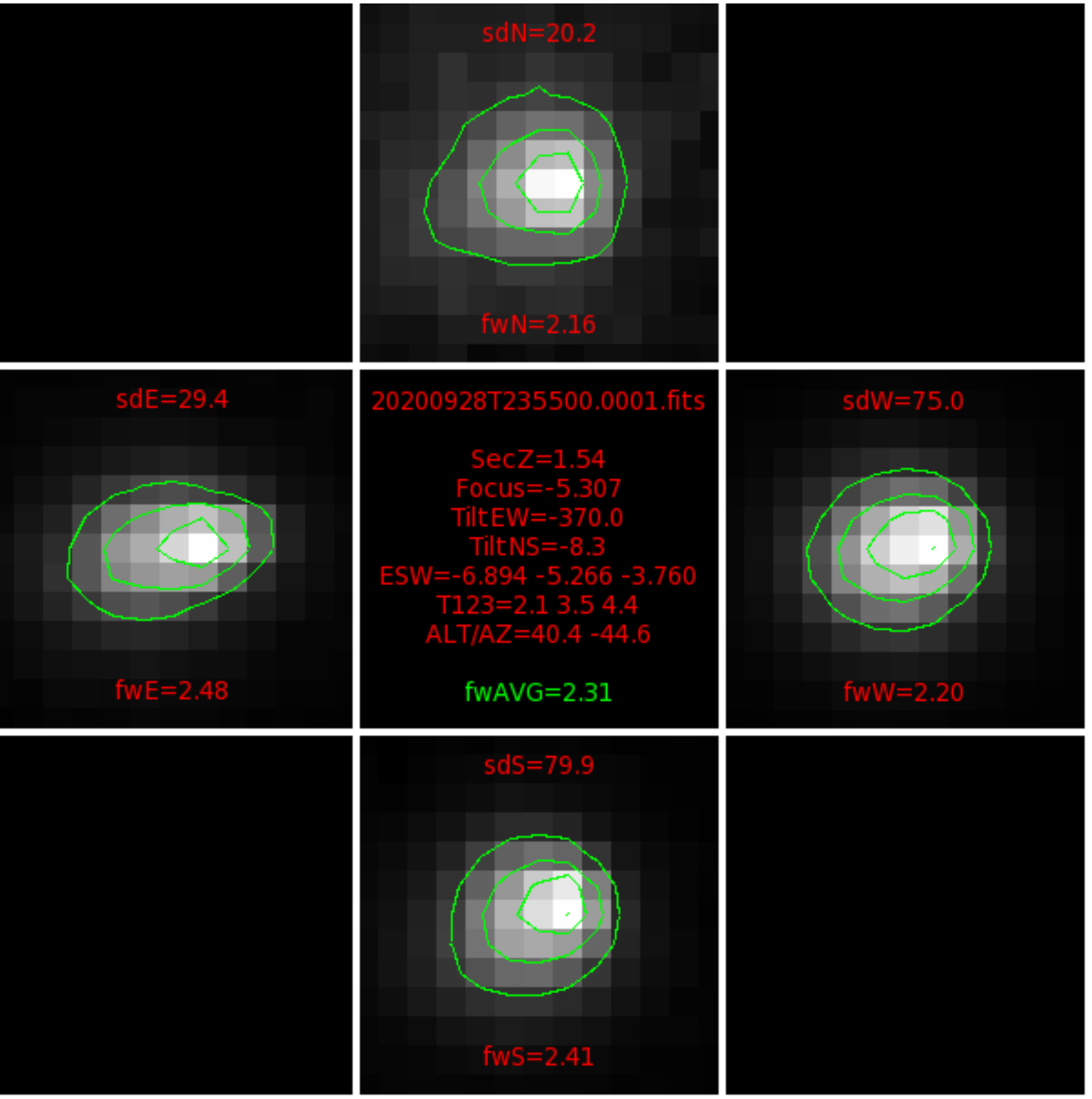
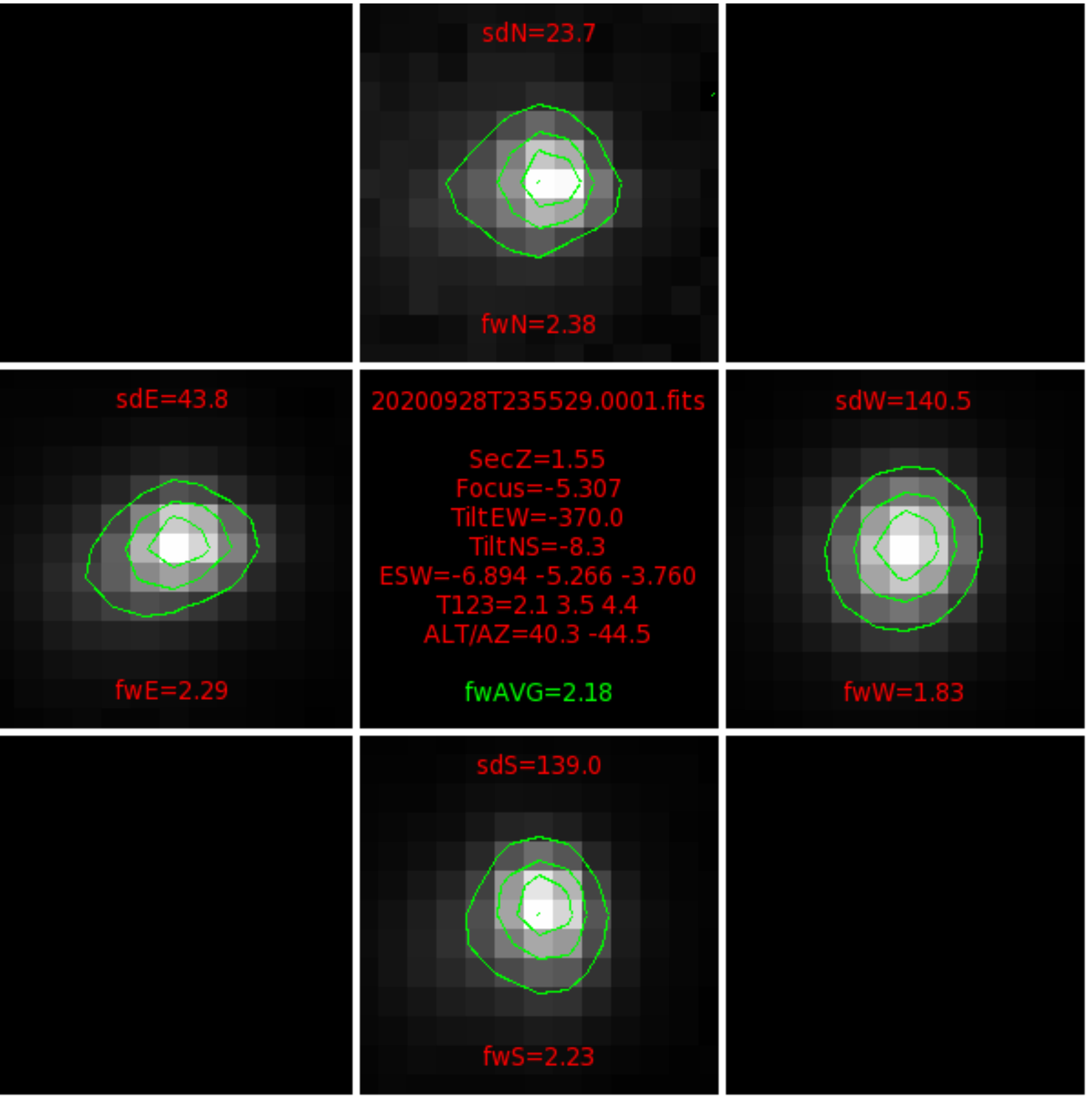

sdN=20.2
fwN=2.16
sdE=29.4
fwE=2.48
20200928T235500.0001.fits
SecZ=1.54
Focus=-5.307
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.894 -5.266 -3.760
T123=2.1 3.5 4.4
ALT/AZ=40.4 -44.6
fwAVG=2.31
sdW=75.0
fwW=2.20
sdS=79.9
fwS=2.41
0 0 0 0 0 0 0 0 0


sdN=23.7
fwN=2.38
sdE=43.8
fwE=2.29
20200928T235529.0001.fits
SecZ=1.55
Focus=-5.307
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.894 -5.266 -3.760
T123=2.1 3.5 4.4
ALT/AZ=40.3 -44.5
fwAVG=2.18
sdW=140.5
fwW=1.83
sdS=139.0
fwS=2.23
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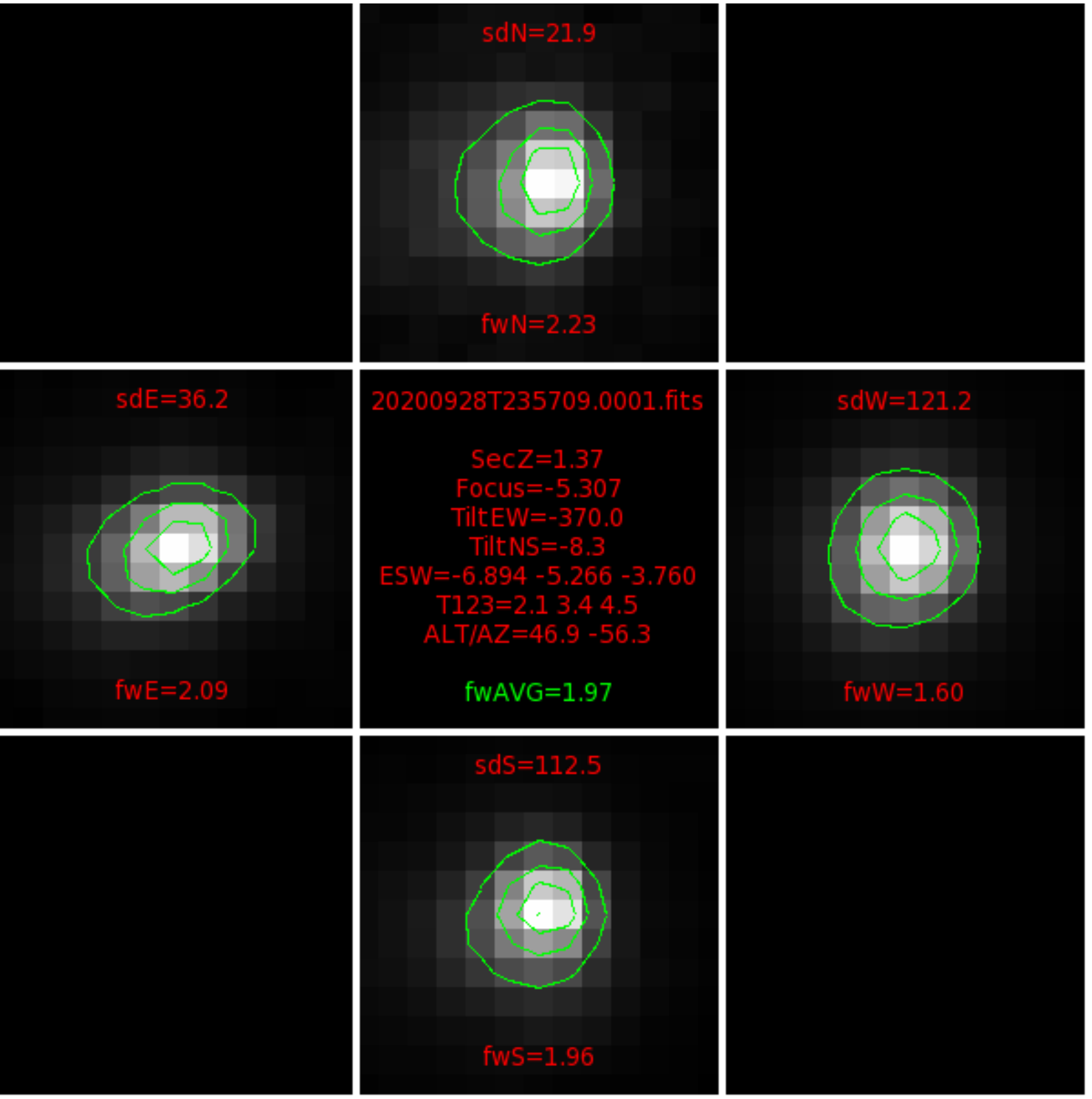
sdN=21.9
fwN=2.23
sdE=36.2
fwE=2.09
20200928T235709.0001.fits
SecZ=1.37
Focus=-5.307
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.894 -5.266 -3.760
T123=2.1 3.4 4.5
ALT/AZ=46.9 -56.3
fwAVG=1.97
sdW=121.2
fwW=1.60
sdS=112.5
fwS=1.96
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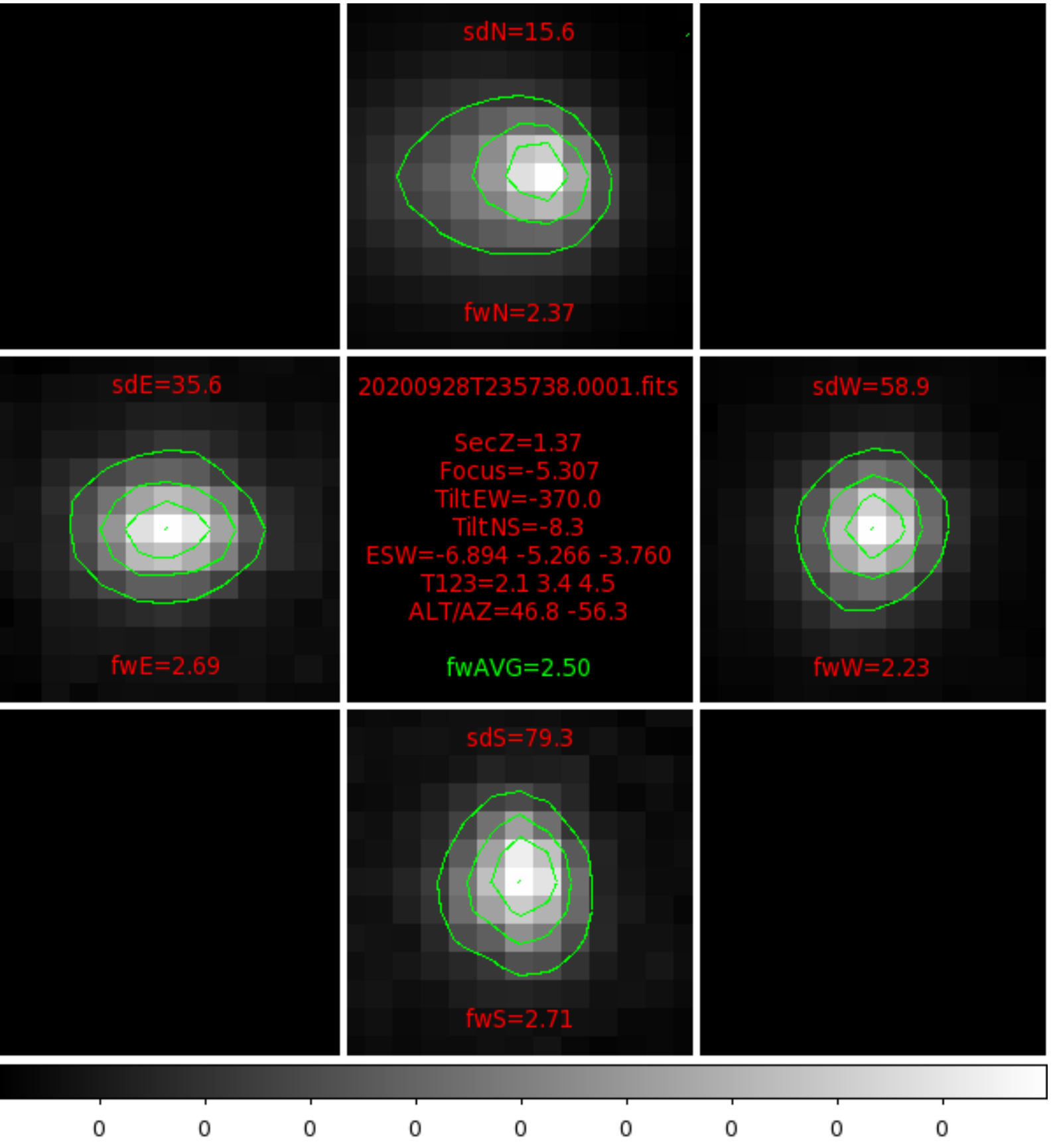
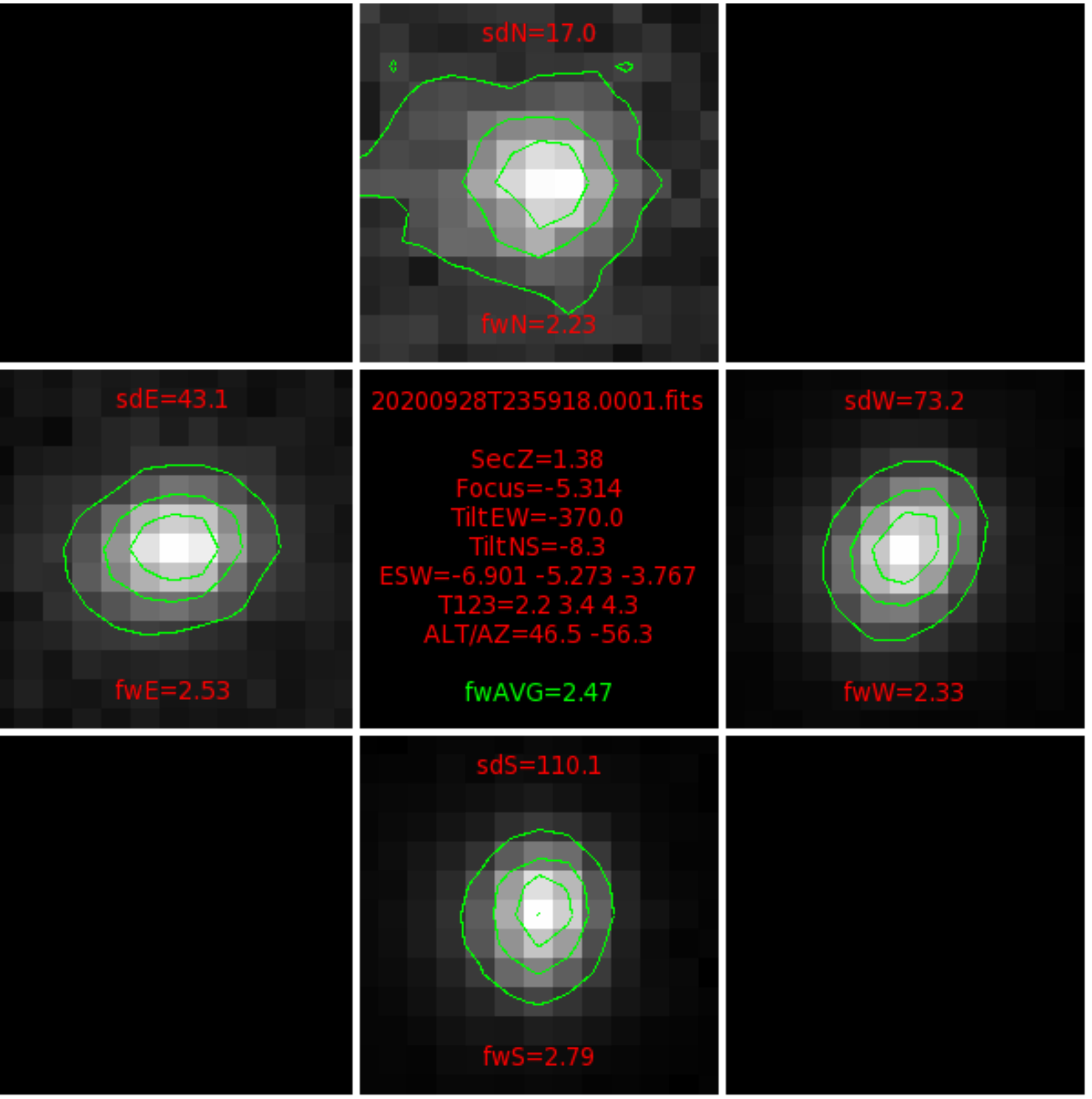

sdN=15.6
fwN=2.37
sdE=35.6
fwE=2.69
20200928T235738.0001.fits
SecZ=1.37
Focus=-5.307
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.894 -5.266 -3.760
T123=2.1 3.4 4.5
ALT/AZ=46.8 -56.3
fwAVG=2.50
sdW=58.9
fwW=2.23
sdS=79.3
fwS=2.71
0 0 0 0 0 0 0 0 0


sdN=17.0
fwN=2.23
sdE=43.1
fwE=2.53
20200928T235918.0001.fits
SecZ=1.38
Focus=-5.314
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.901 -5.273 -3.767
T123=2.2 3.4 4.3
ALT/AZ=46.5 -56.3
fwAVG=2.47
sdW=73.2
fwW=2.33
sdS=110.1
fwS=2.79
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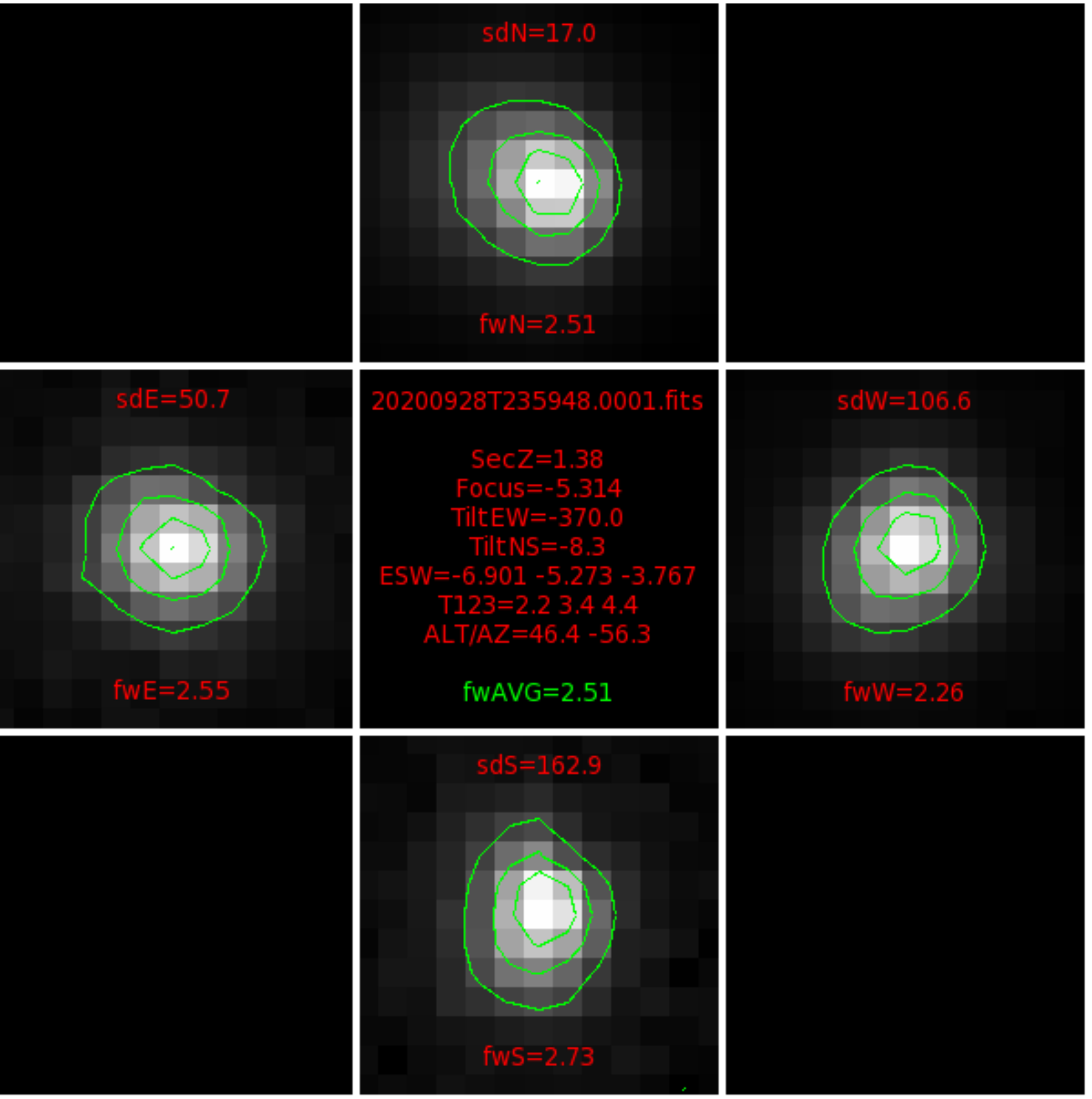
sdN=17.0
fwN=2.51
sdE=50.7
fwE=2.55
20200928T235948.0001.fits
SecZ=1.38
Focus=-5.314
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.901 -5.273 -3.767
T123=2.2 3.4 4.4
ALT/AZ=46.4 -56.3
fwAVG=2.51
sdW=106.6
fwW=2.26
sdS=162.9
fwS=2.73
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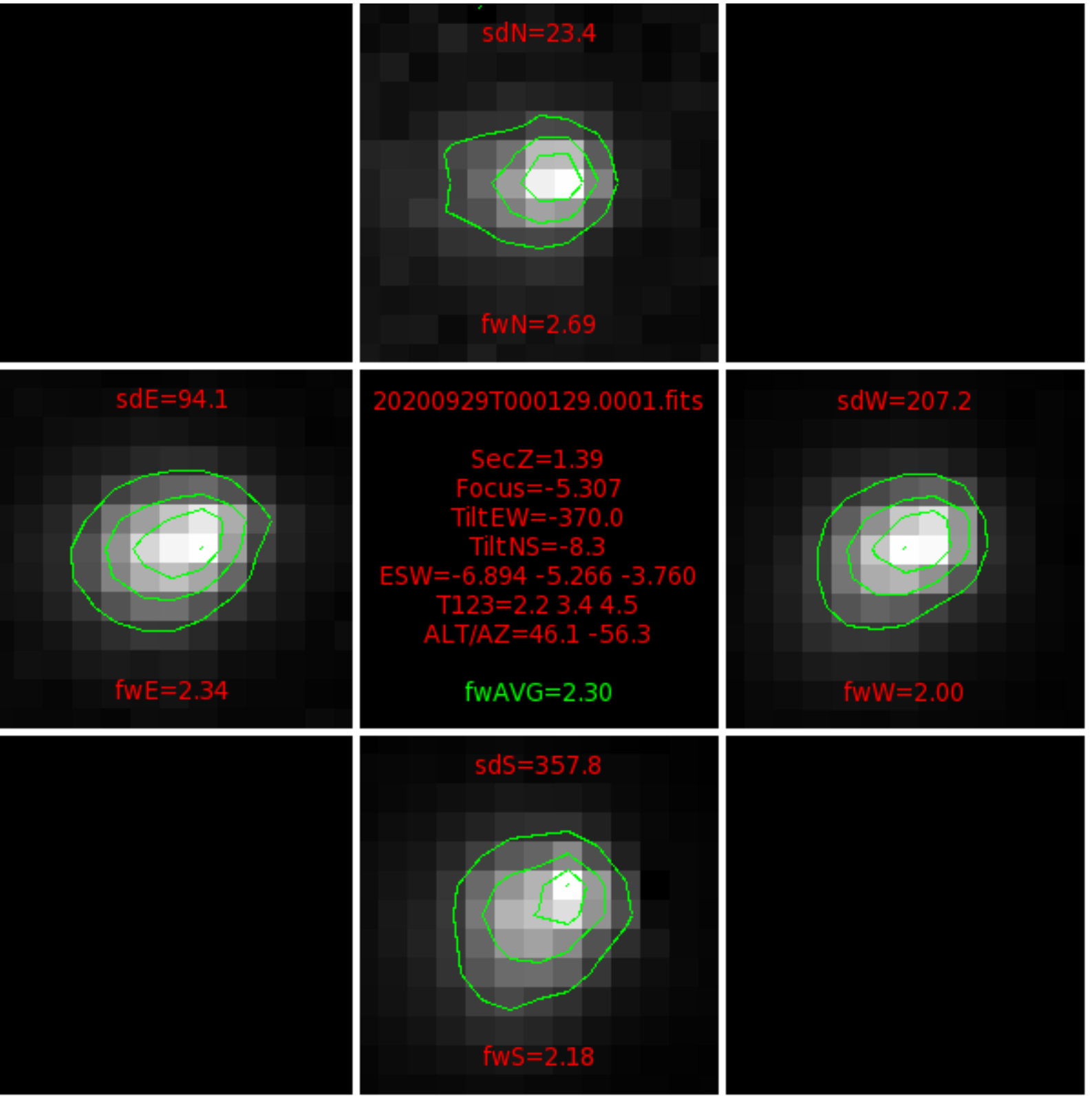
sdN=23.4
fwN=2.69
sdE=94.1
fwE=2.34
20200929T000129.0001.fits
SecZ=1.39
Focus=-5.307
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.894 -5.266 -3.760
T123=2.2 3.4 4.5
ALT/AZ=46.1 -56.3
fwAVG=2.30
sdW=207.2
fwW=2.00
sdS=357.8
fwS=2.18
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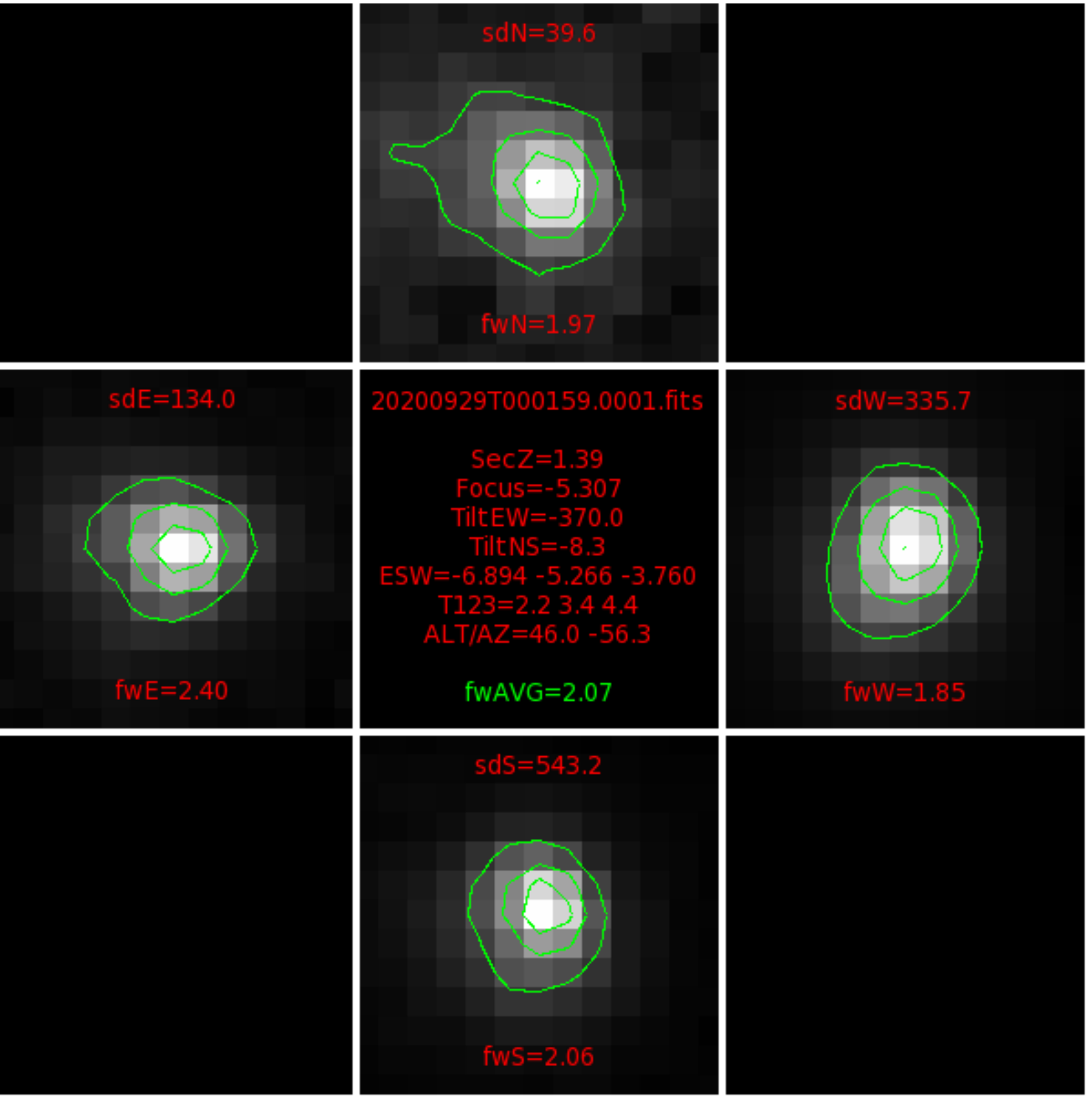
sdN=39.6
fwN=1.97
sdE=134.0
fwE=2.40
20200929T000159.0001.fits
SecZ=1.39
Focus=-5.307
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.894 -5.266 -3.760
T123=2.2 3.4 4.4
ALT/AZ=46.0 -56.3
fwAVG=2.07
sdW=335.7
fwW=1.85
sdS=543.2
fwS=2.06
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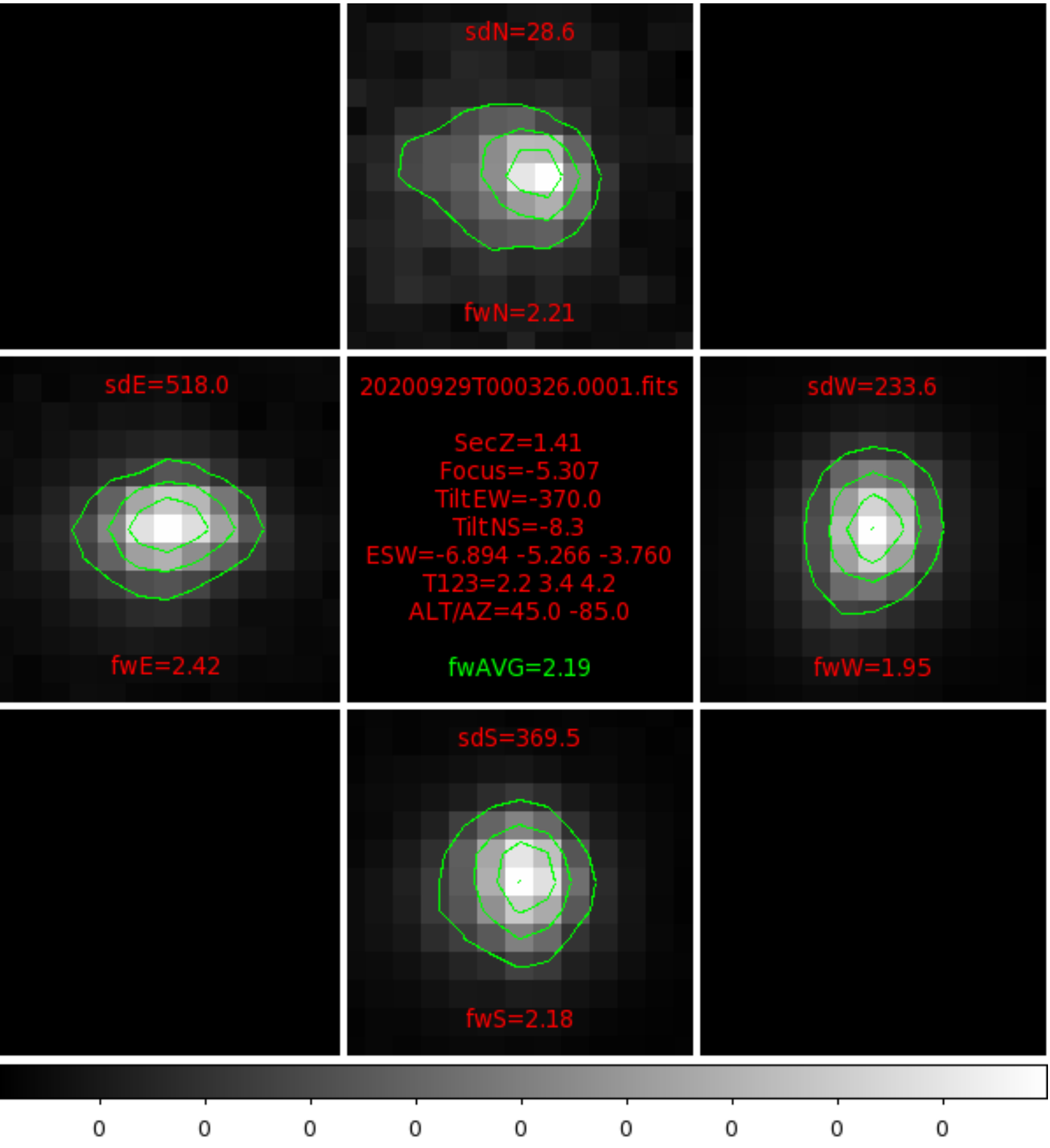
sdN=28.6
fwN=2.21
sdE=518.0
fwE=2.42
20200929T000326.0001.fits
SecZ=1.41
Focus=-5.307
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.894 -5.266 -3.760
T123=2.2 3.4 4.2
ALT/AZ=45.0 -85.0
fwAVG=2.19
sdW=233.6
fwW=1.95
sdS=369.5
fwS=2.18
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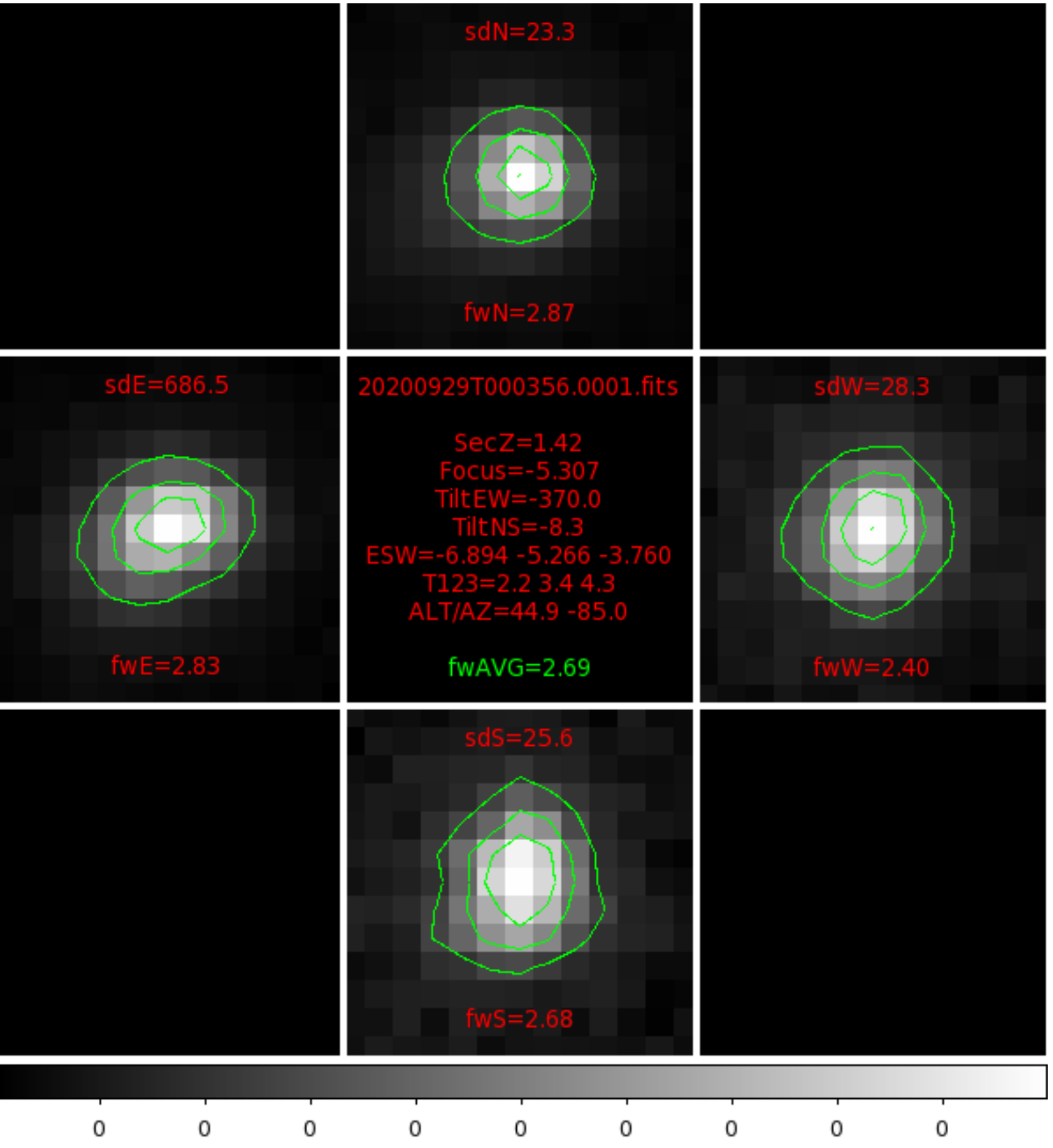
sdN=23.3
fwN=2.87
sdE=686.5
fwE=2.83
20200929T000356.0001.fits
SecZ=1.42
Focus=-5.307
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.894 -5.266 -3.760
T123=2.2 3.4 4.3
ALT/AZ=44.9 -85.0
fwAVG=2.69
sdW=28.3
fwW=2.40
sdS=25.6
fwS=2.68
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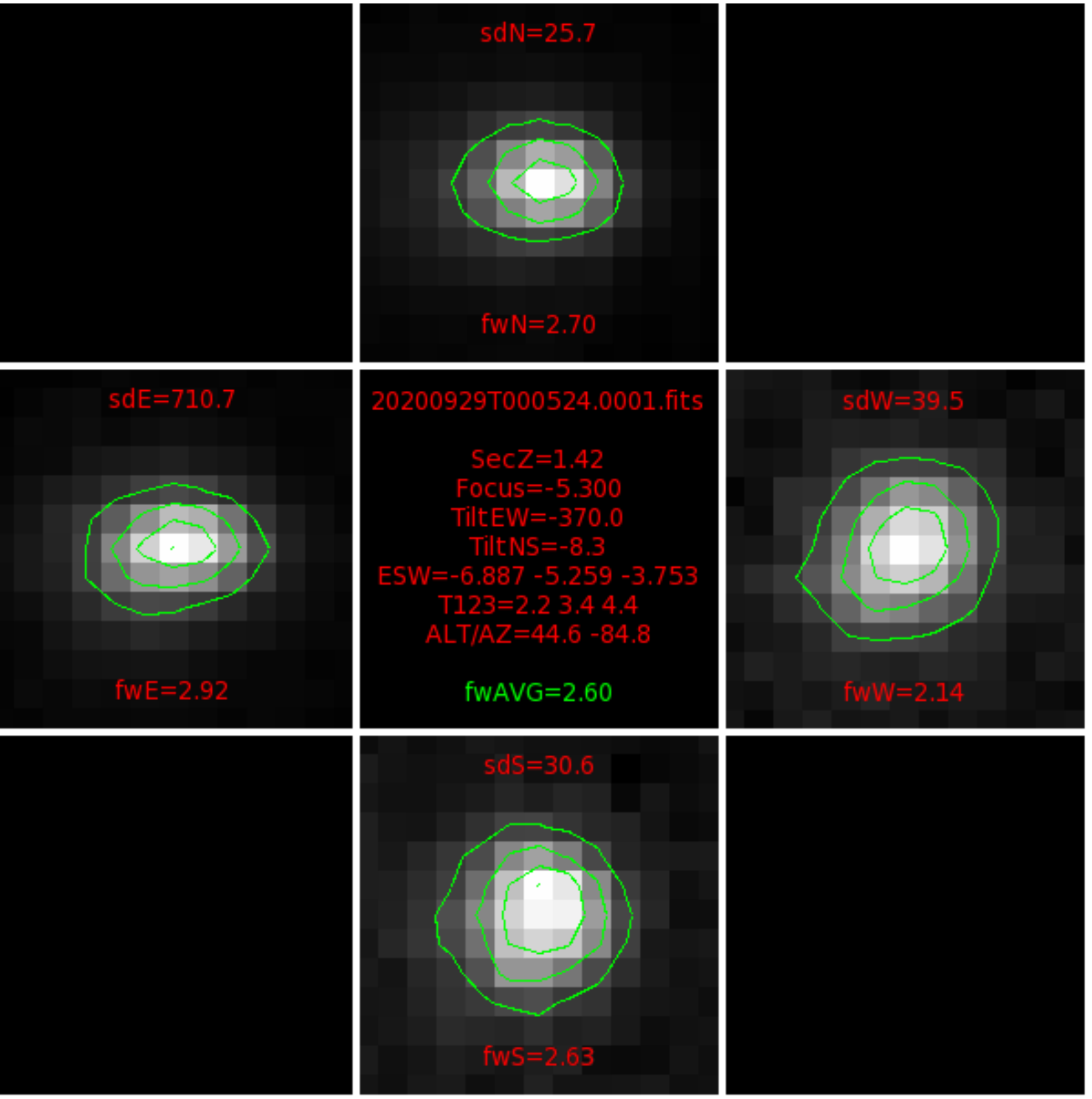
sdN=25.7
fwN=2.70
sdE=710.7
fwE=2.92
20200929T000524.0001.fits
SecZ=1.42
Focus=-5.300
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.887 -5.259 -3.753
T123=2.2 3.4 4.4
ALT/AZ=44.6 -84.8
fwAVG=2.60
sdW=39.5
fwW=2.14
sdS=30.6
fwS=2.63
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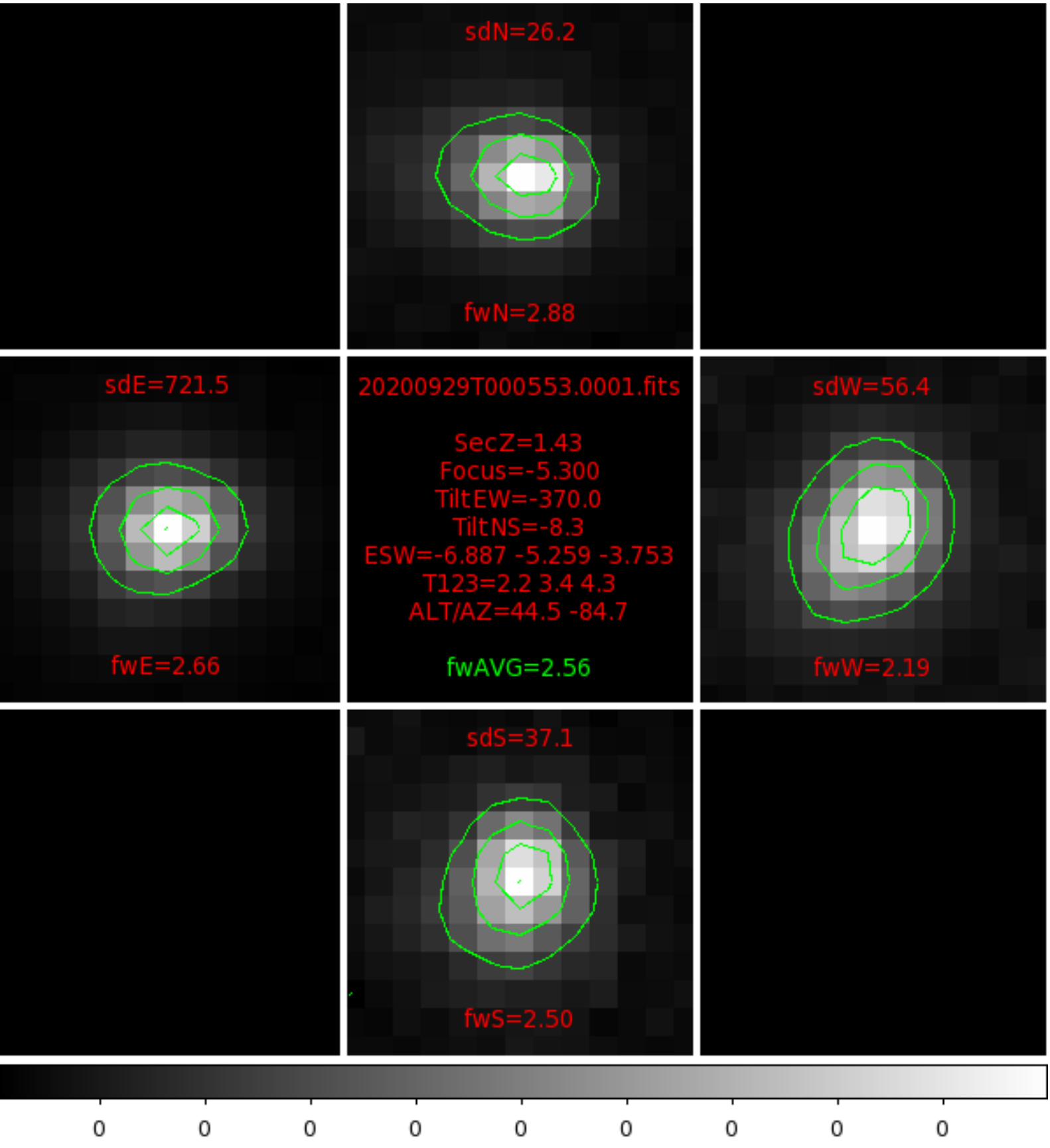
sdN=26.2
fwN=2.88
sdE=721.5
fwE=2.66
20200929T000553.0001.fits
SecZ=1.43
Focus=-5.300
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.887 -5.259 -3.753
T123=2.2 3.4 4.3
ALT/AZ=44.5 -84.7
fwAVG=2.56
sdW=56.4
fwW=2.19
sdS=37.1
fwS=2.50
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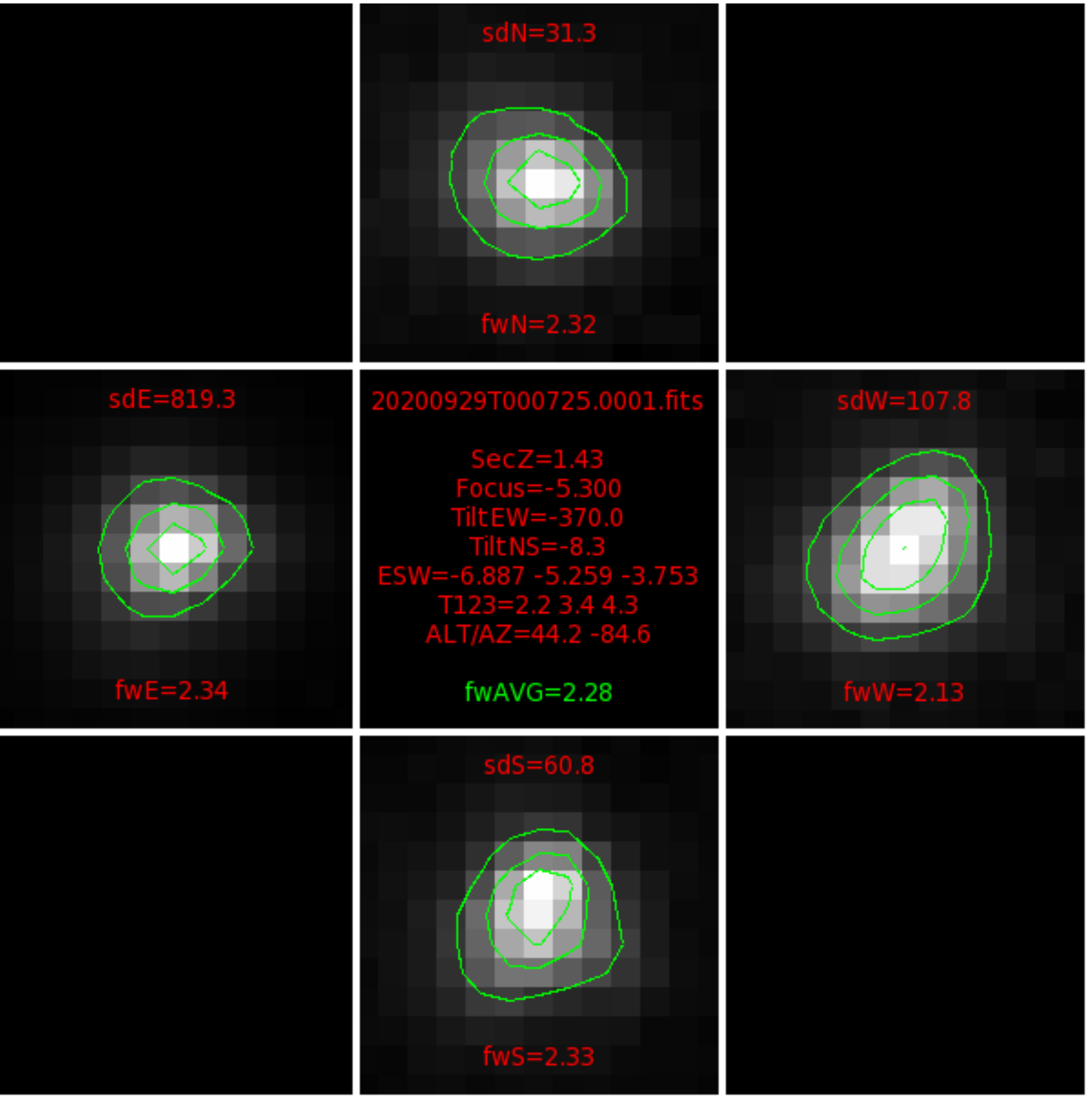
sdN=31.3
fwN=2.32
sdE=819.3
fwE=2.34
20200929T000725.0001.fits
SecZ=1.43
Focus=-5.300
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.887 -5.259 -3.753
T123=2.2 3.4 4.3
ALT/AZ=44.2 -84.6
fwAVG=2.28
sdW=107.8
fwW=2.13
sdS=60.8
fwS=2.33
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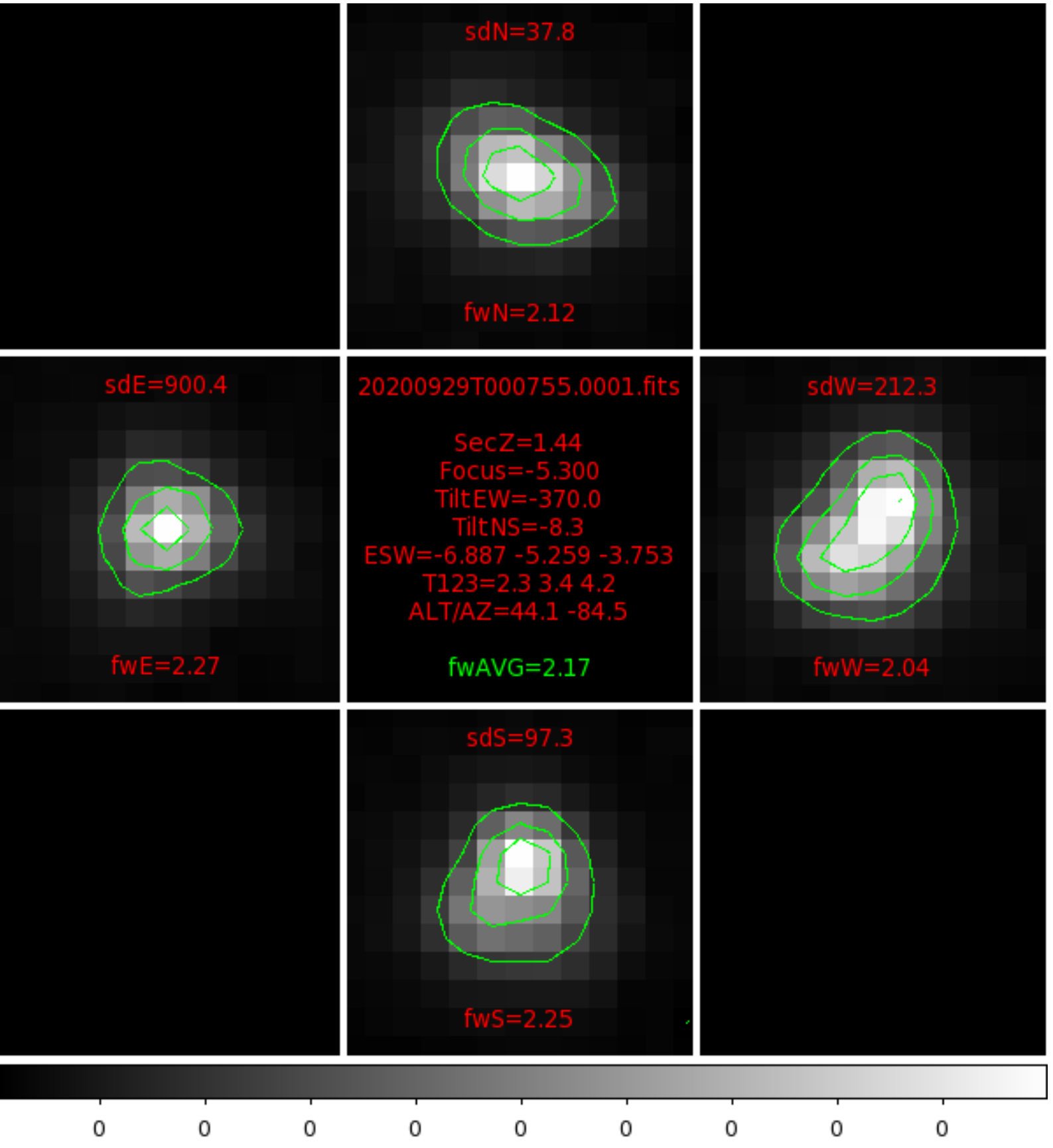
sdN=37.8
fwN=2.12
sdE=900.4
fwE=2.27
20200929T000755.0001.fits
SecZ=1.44
Focus=-5.300
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.887 -5.259 -3.753
T123=2.3 3.4 4.2
ALT/AZ=44.1 -84.5
fwAVG=2.17
sdW=212.3
fwW=2.04
sdS=97.3
fwS=2.25
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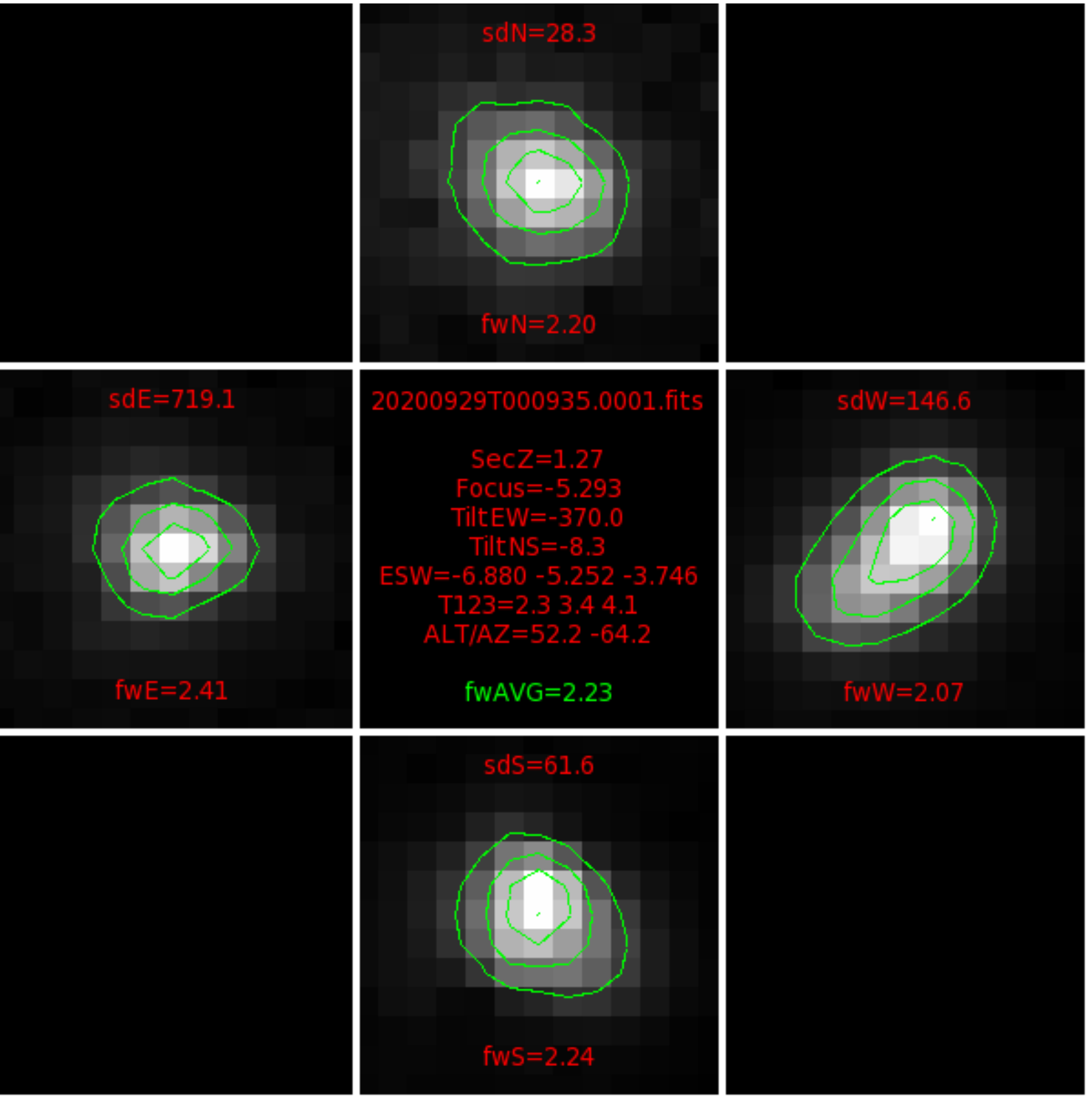
sdN=28.3
fwN=2.20
sdE=719.1
fwE=2.41
20200929T000935.0001.fits
SecZ=1.27
Focus=-5.293
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.880 -5.252 -3.746
T123=2.3 3.4 4.1
ALT/AZ=52.2 -64.2
fwAVG=2.23
sdW=146.6
fwW=2.07
sdS=61.6
fwS=2.24
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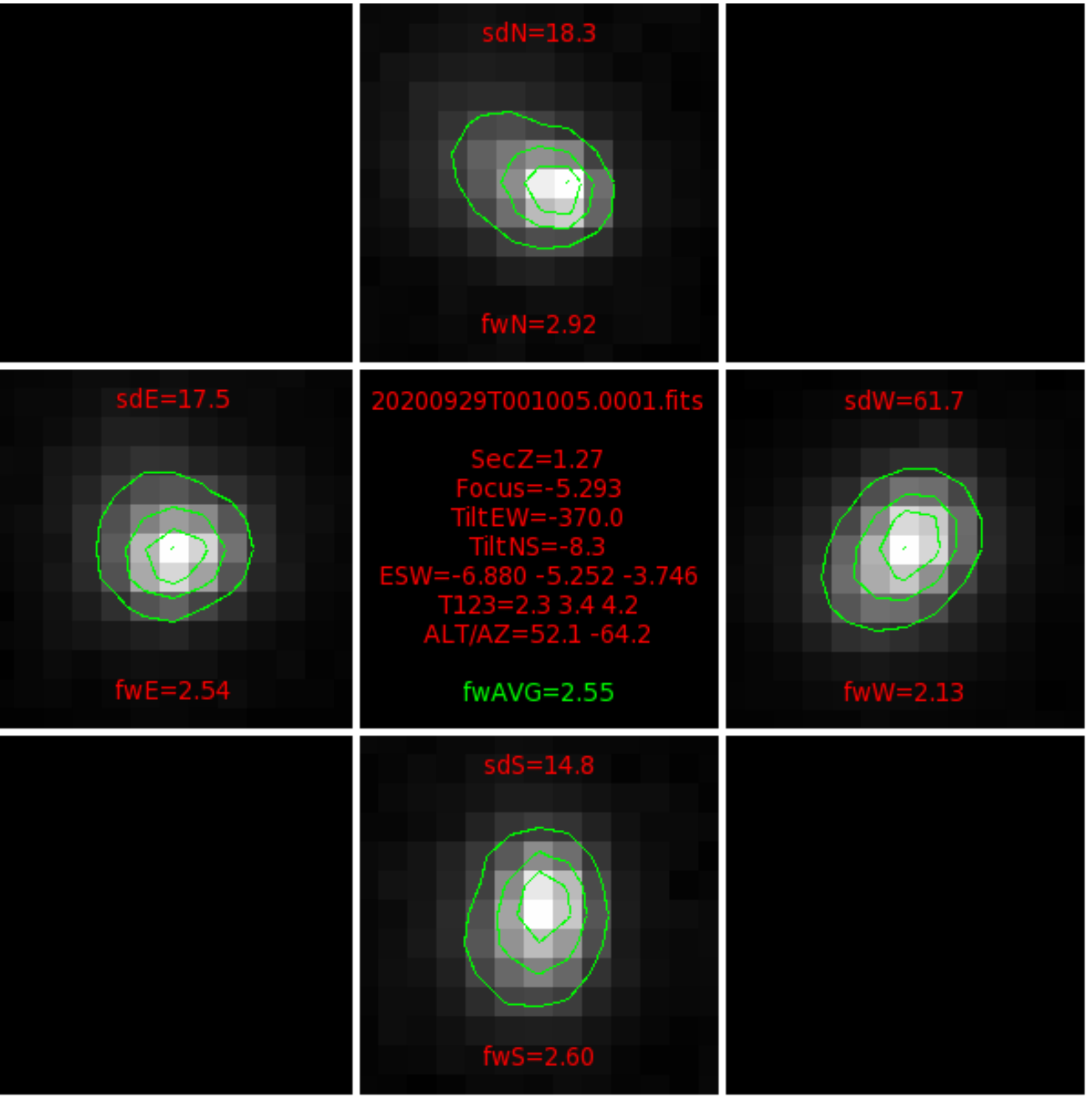
sdN=18.3
fwN=2.92
sdE=17.5
fwE=2.54
20200929T001005.0001.fits
SecZ=1.27
Focus=-5.293
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.880 -5.252 -3.746
T123=2.3 3.4 4.2
ALT/AZ=52.1 -64.2
fwAVG=2.55
sdW=61.7
fwW=2.13
sdS=14.8
fwS=2.60
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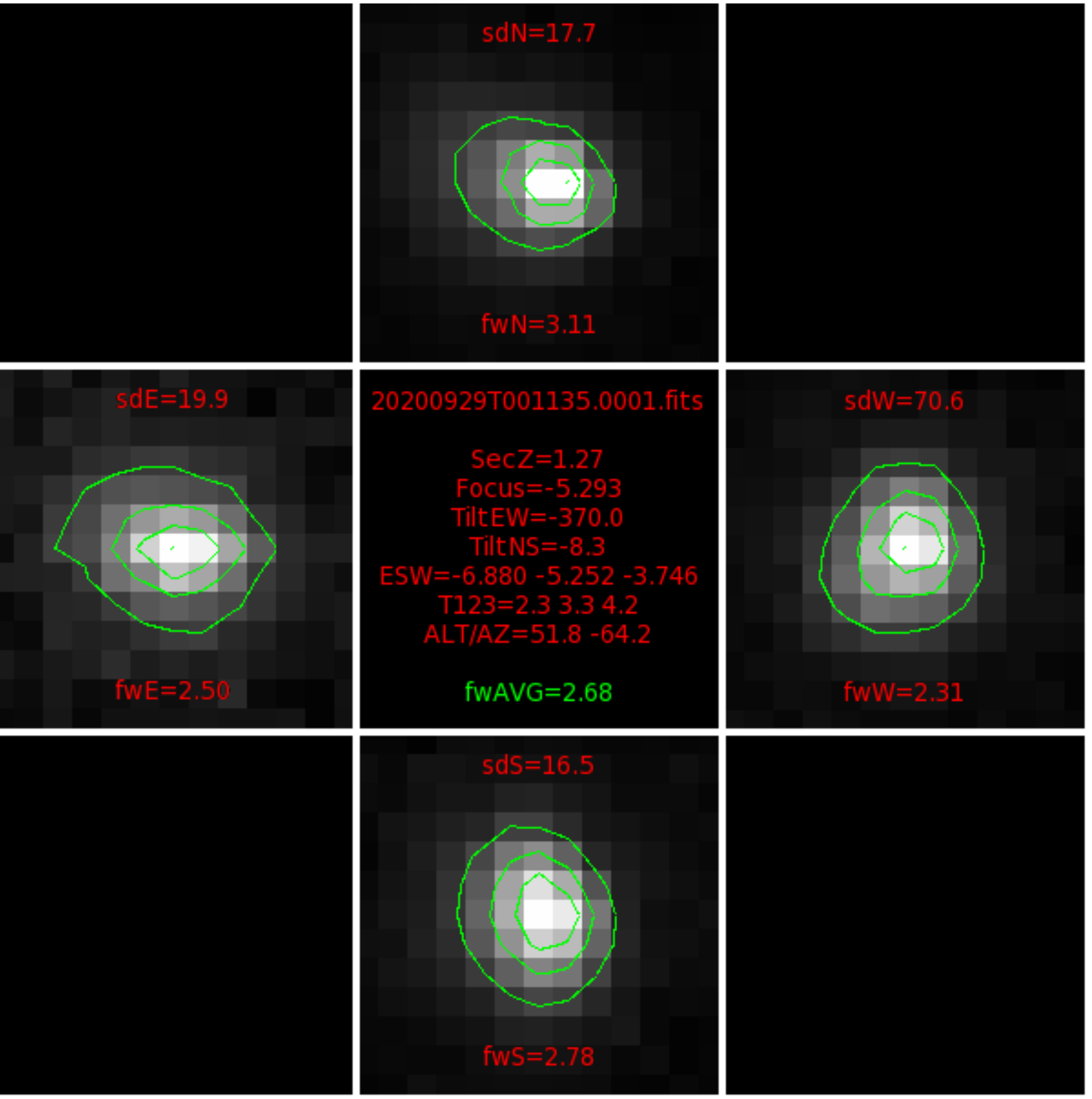
sdN=17.7
fwN=3.11
sdE=19.9
fwE=2.50
20200929T001135.0001.fits
SecZ=1.27
Focus=-5.293
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.880 -5.252 -3.746
T123=2.3 3.3 4.2
ALT/AZ=51.8 -64.2
fwAVG=2.68
sdW=70.6
fwW=2.31
sdS=16.5
fwS=2.78
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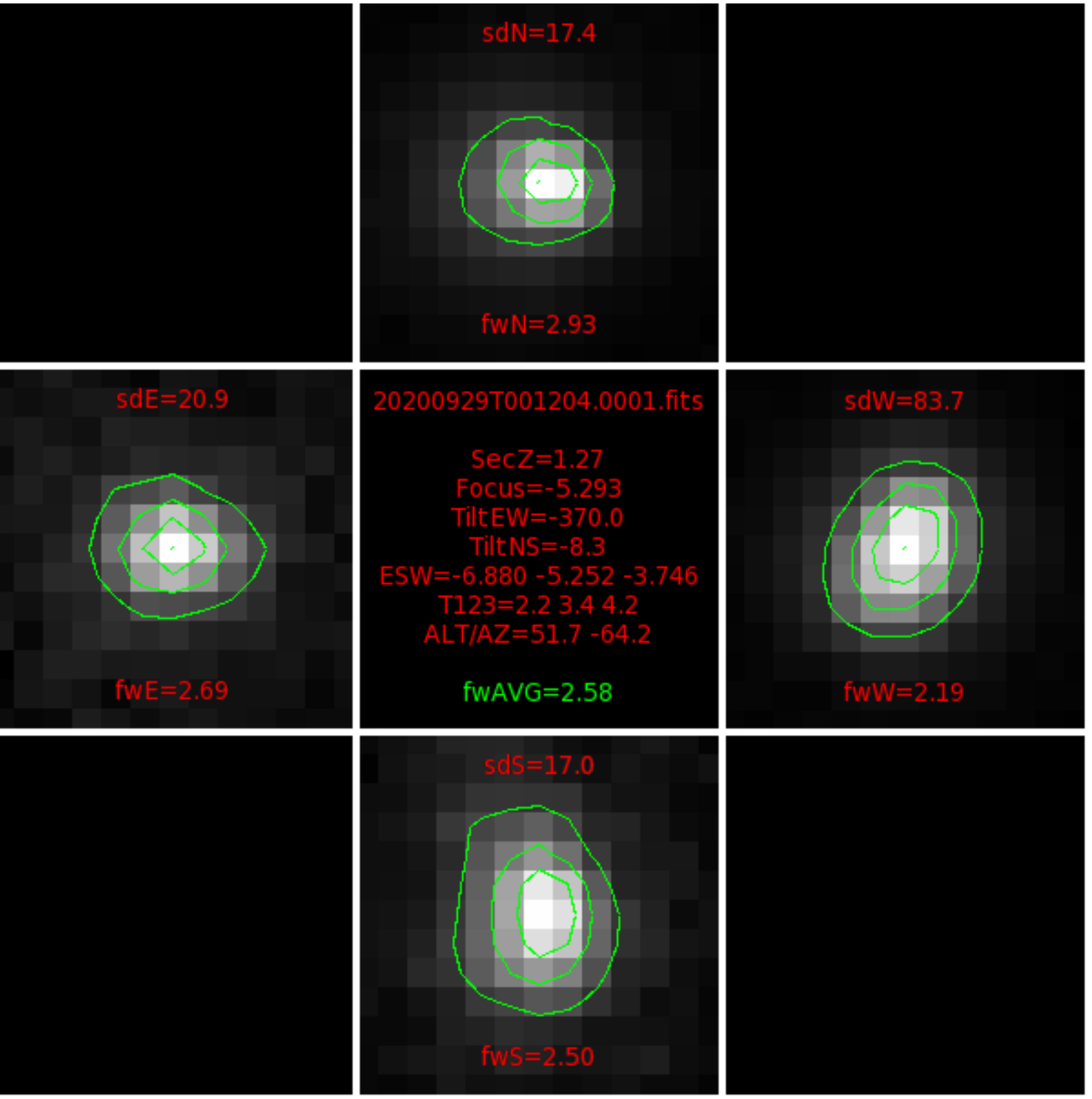
sdN=17.4
fwN=2.93
sdE=20.9
fwE=2.69
20200929T001204.0001.fits
SecZ=1.27
Focus=-5.293
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.880 -5.252 -3.746
T123=2.2 3.4 4.2
ALT/AZ=51.7 -64.2
fwAVG=2.58
sdW=83.7
fwW=2.19
sdS=17.0
fwS=2.50
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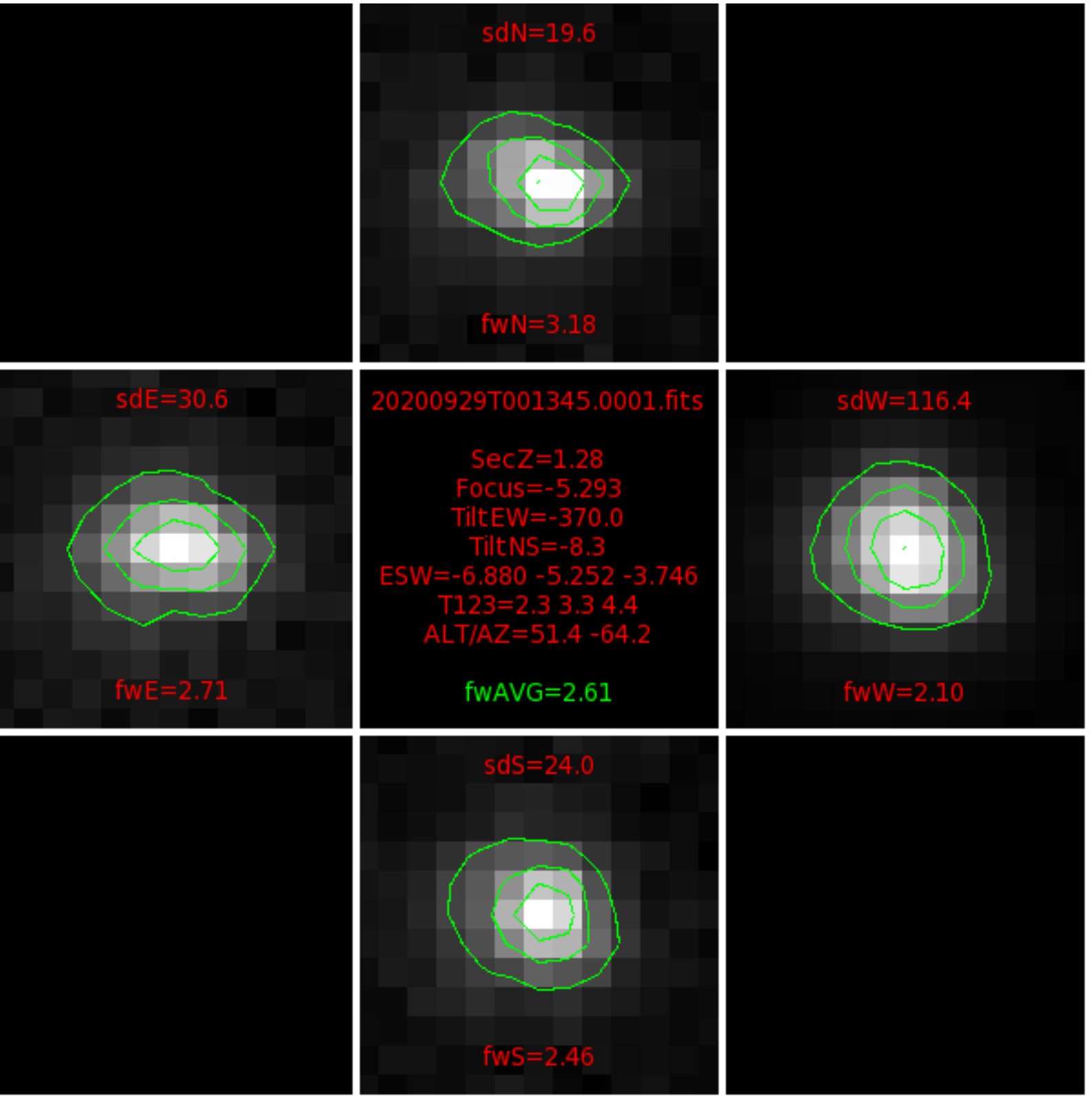
sdN=19.6
fwN=3.18
sdE=30.6
fwE=2.71
20200929T001345.0001.fits
SecZ=1.28
Focus=-5.293
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.880 -5.252 -3.746
T123=2.3 3.3 4.4
ALT/AZ=51.4 -64.2
fwAVG=2.61
sdW=116.4
fwW=2.10
sdS=24.0
fwS=2.46
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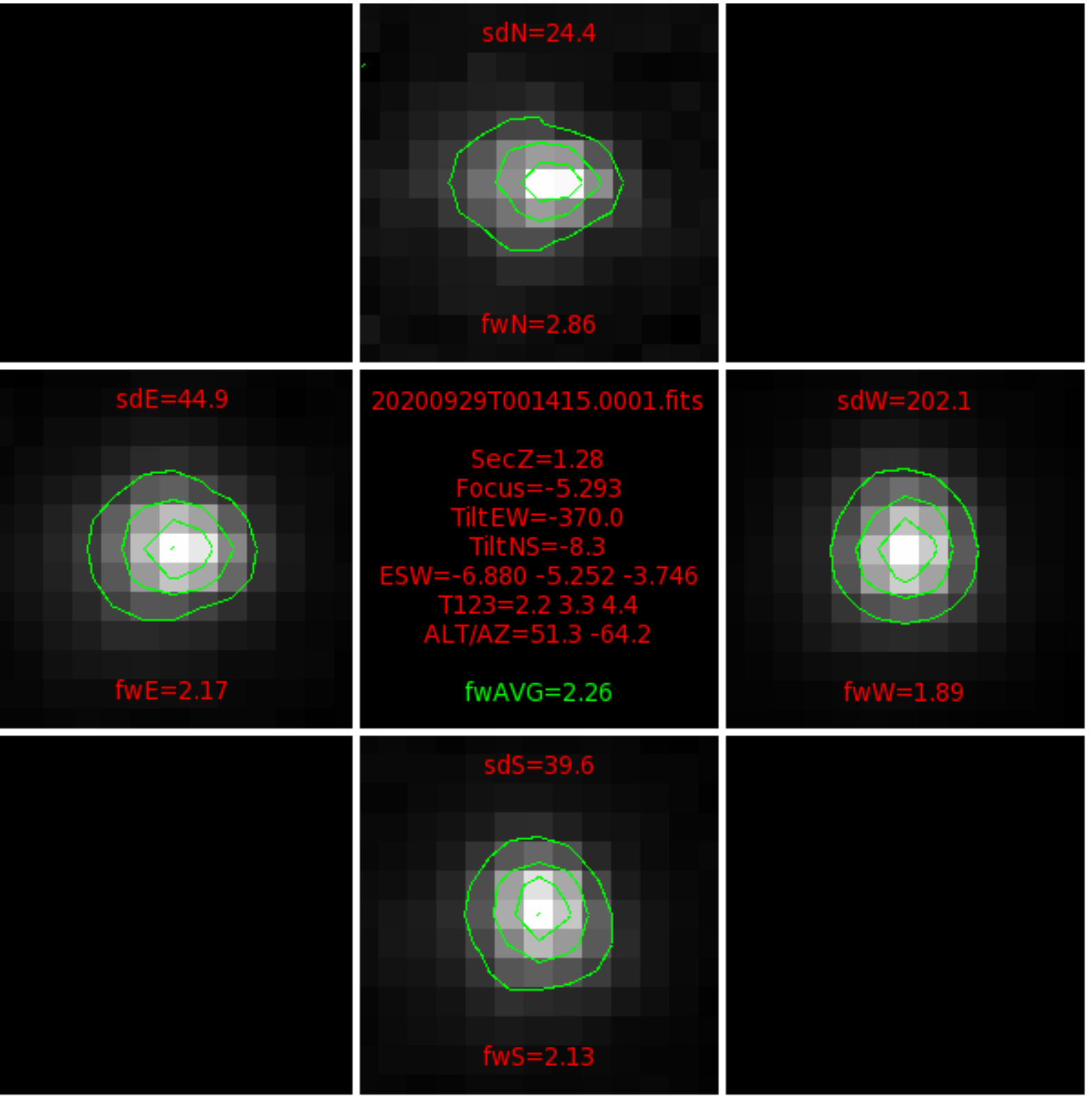
sdN=24.4
fwN=2.86
sdE=44.9
fwE=2.17
20200929T001415.0001.fits
SecZ=1.28
Focus=-5.293
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.880 -5.252 -3.746
T123=2.2 3.3 4.4
ALT/AZ=51.3 -64.2
fwAVG=2.26
sdW=202.1
fwW=1.89
sdS=39.6
fwS=2.13
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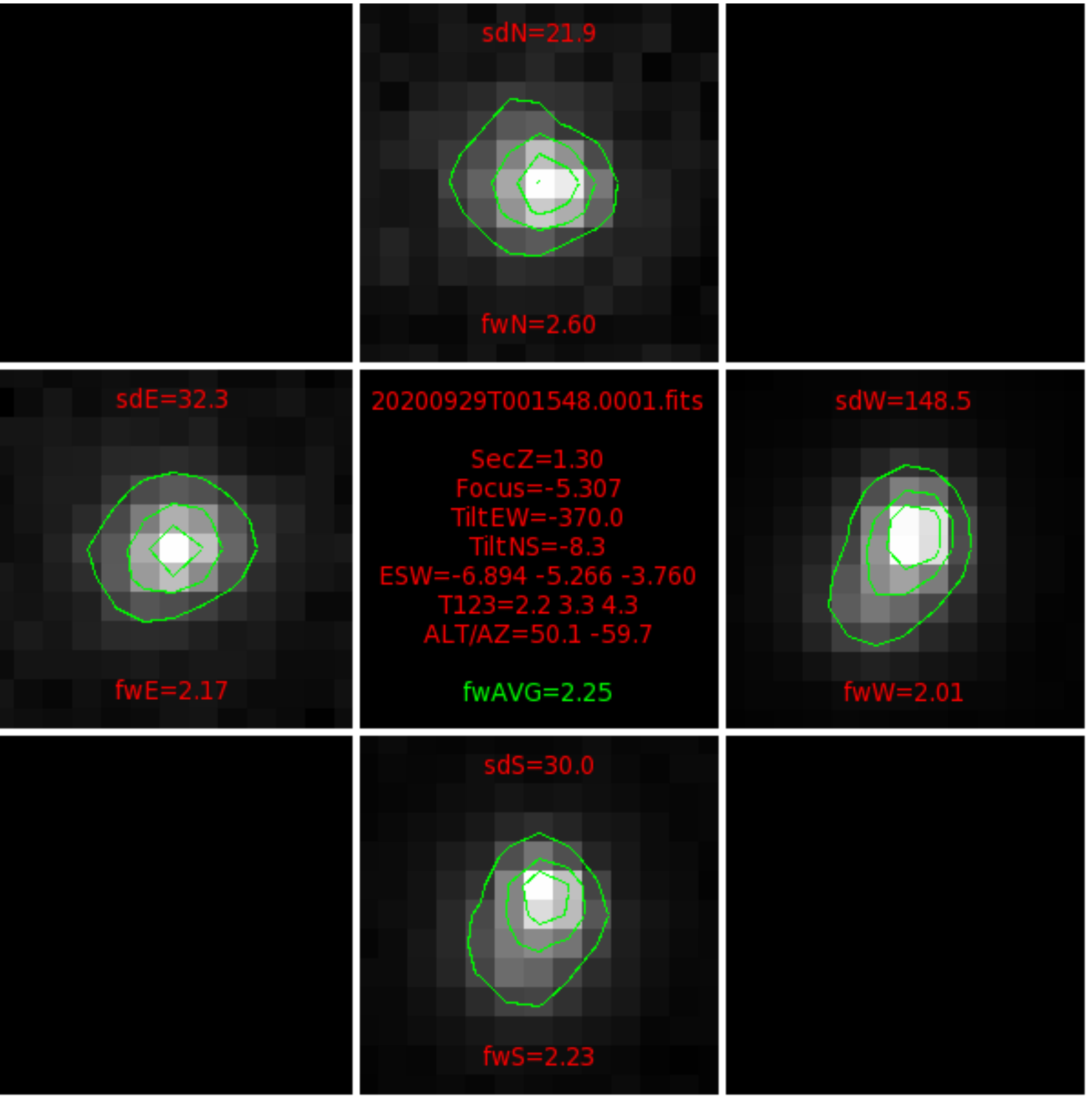
sdN=21.9
fwN=2.60
sdE=32.3
fwE=2.17
20200929T001548.0001.fits
SecZ=1.30
Focus=-5.307
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.894 -5.266 -3.760
T123=2.2 3.3 4.3
ALT/AZ=50.1 -59.7
fwAVG=2.25
sdW=148.5
fwW=2.01
sdS=30.0
fwS=2.23
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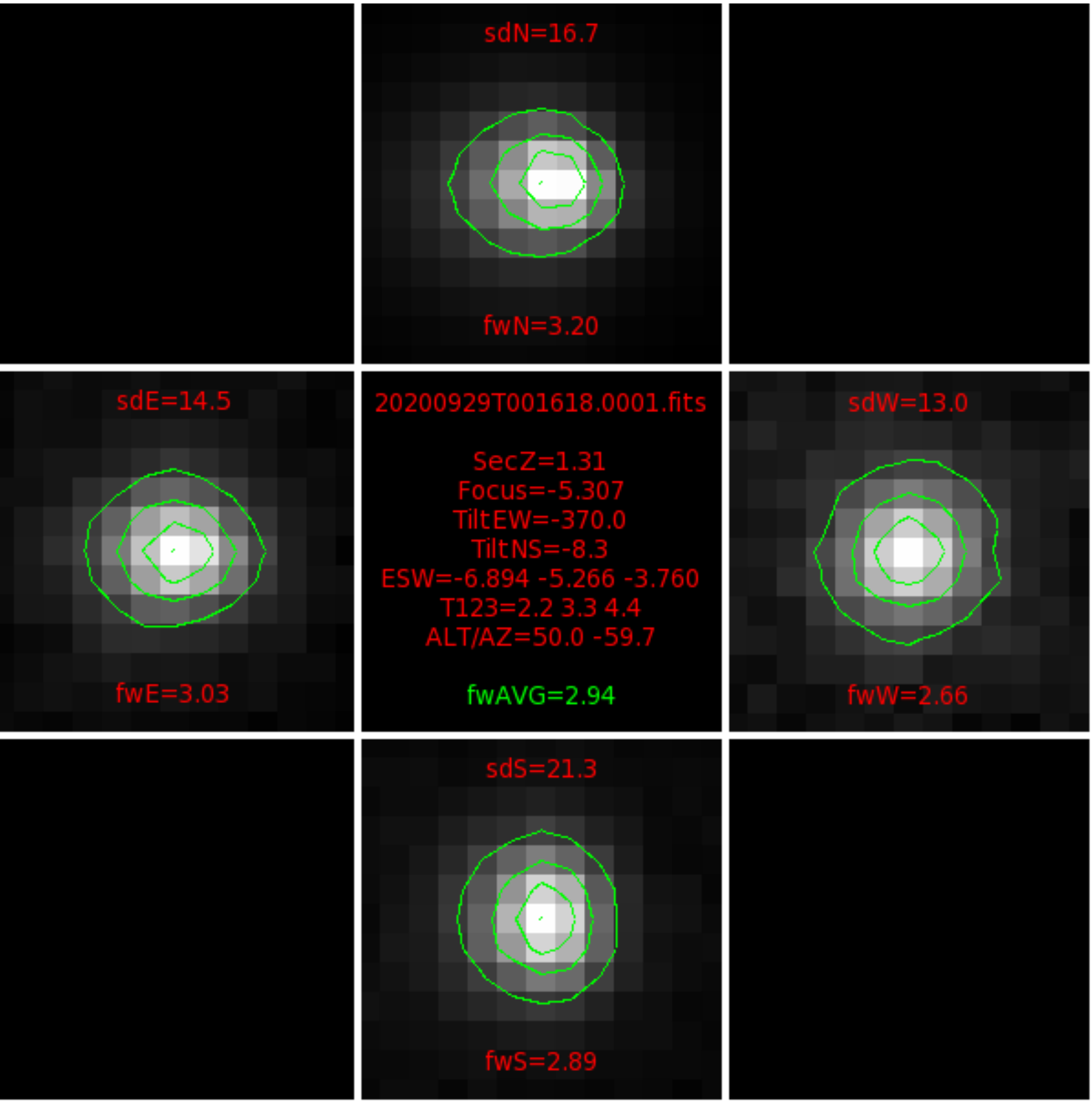
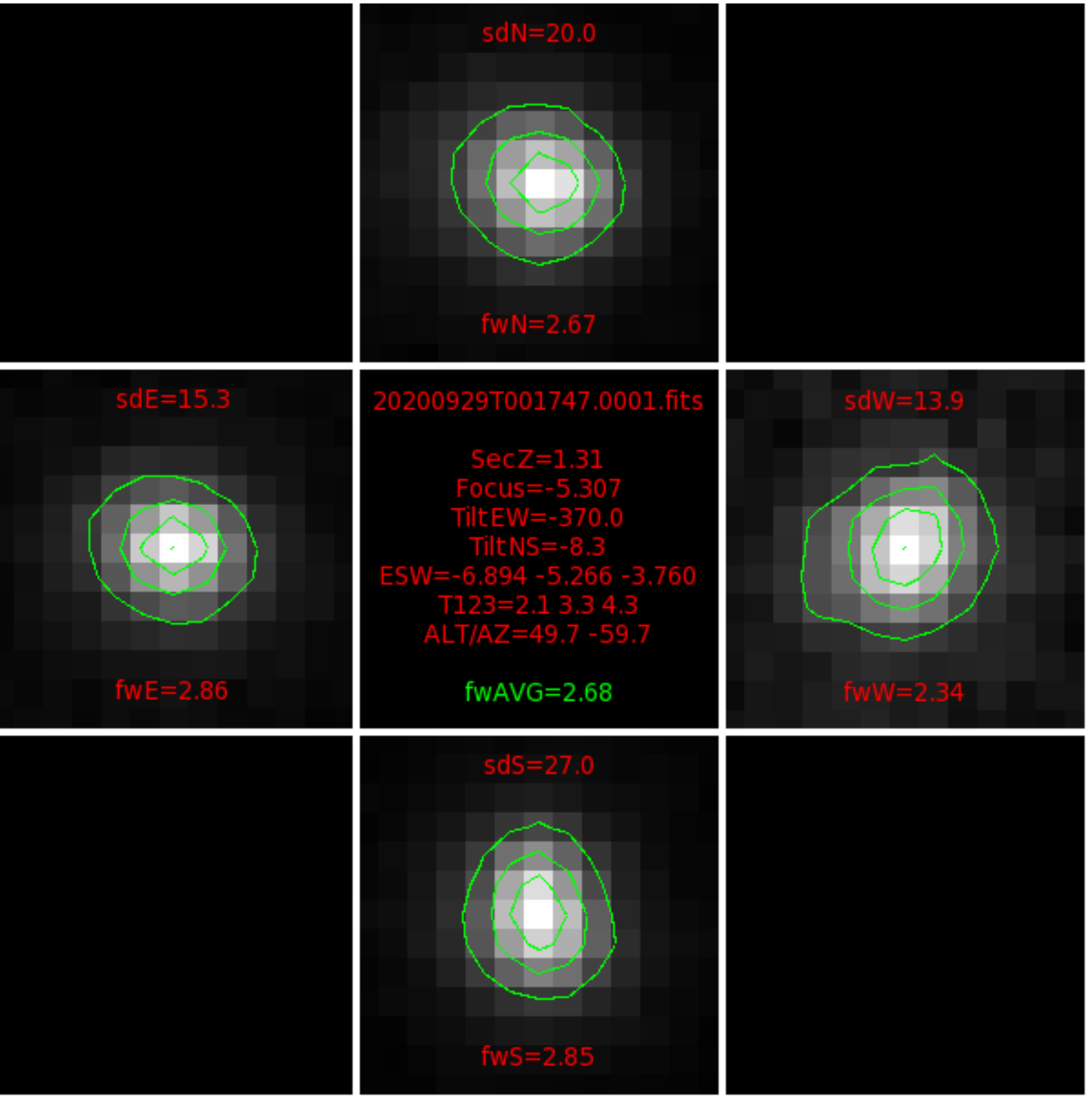
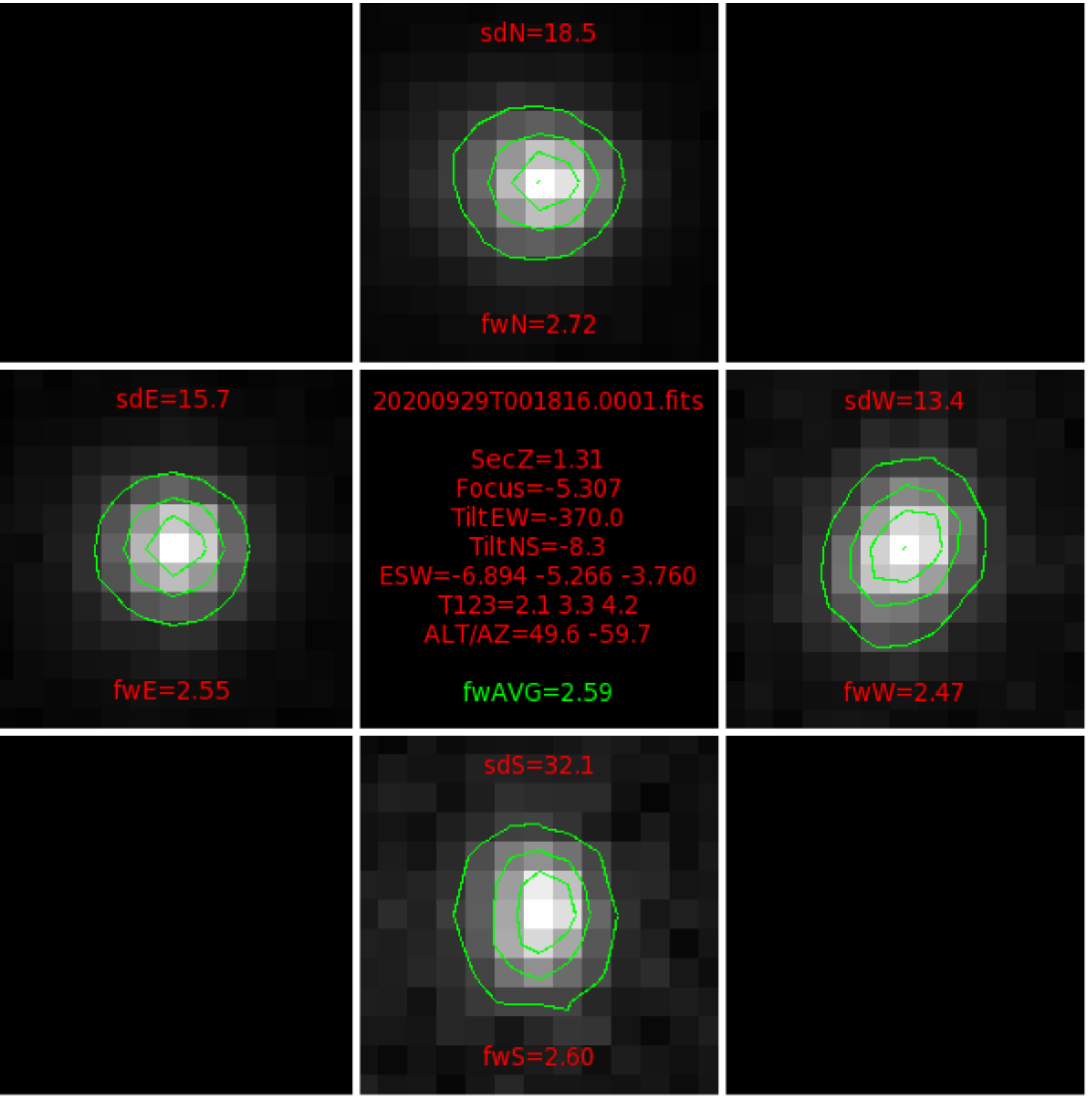

sdN=16.7
fwN=3.20
sdE=14.5
fwE=3.03
20200929T001618.0001.fits
SecZ=1.31
Focus=-5.307
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.894 -5.266 -3.760
T123=2.2 3.3 4.4
ALT/AZ=50.0 -59.7
fwAVG=2.94
sdW=13.0
fwW=2.66
sdS=21.3
fwS=2.89
0 0 0 0 0 0 0 0 0


sdN=20.0
fwN=2.67
sdE=15.3
fwE=2.86
20200929T001747.0001.fits
SecZ=1.31
Focus=-5.307
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.894 -5.266 -3.760
T123=2.1 3.3 4.3
ALT/AZ=49.7 -59.7
fwAVG=2.68
sdW=13.9
fwW=2.34
sdS=27.0
fwS=2.85
0 0 0 0 0 0 0 0 0


sdN=18.5
fwN=2.72
sdE=15.7
fwE=2.55
20200929T001816.0001.fits
SecZ=1.31
Focus=-5.307
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.894 -5.266 -3.760
T123=2.1 3.3 4.2
ALT/AZ=49.6 -59.7
fwAVG=2.59
sdW=13.4
fwW=2.47
sdS=32.1
fwS=2.60
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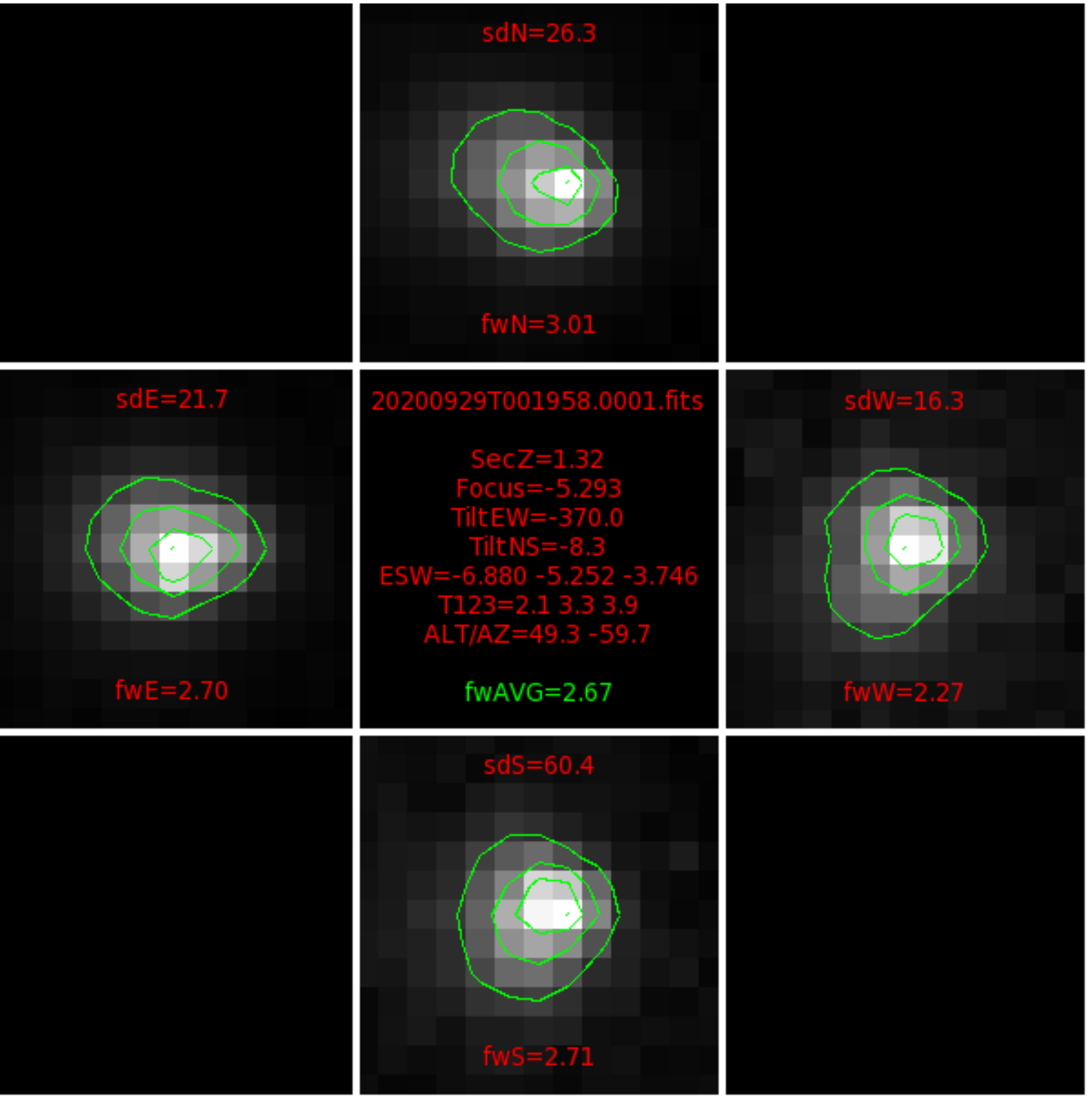
sdN=26.3
fwN=3.01
sdE=21.7
fwE=2.70
20200929T001958.0001.fits
SecZ=1.32
Focus=-5.293
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.880 -5.252 -3.746
T123=2.1 3.3 3.9
ALT/AZ=49.3 -59.7
fwAVG=2.67
sdW=16.3
fwW=2.27
sdS=60.4
fwS=2.71
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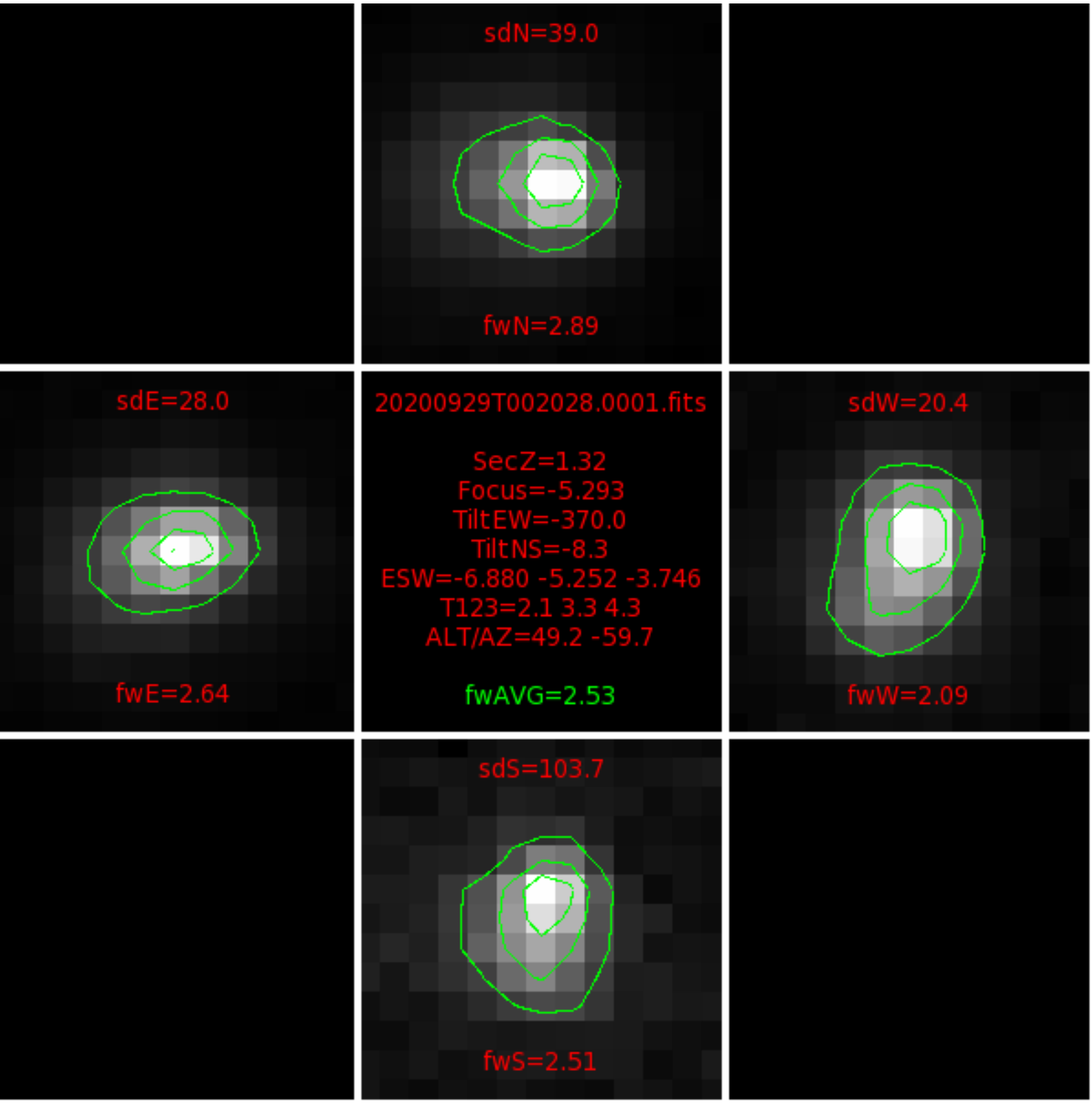
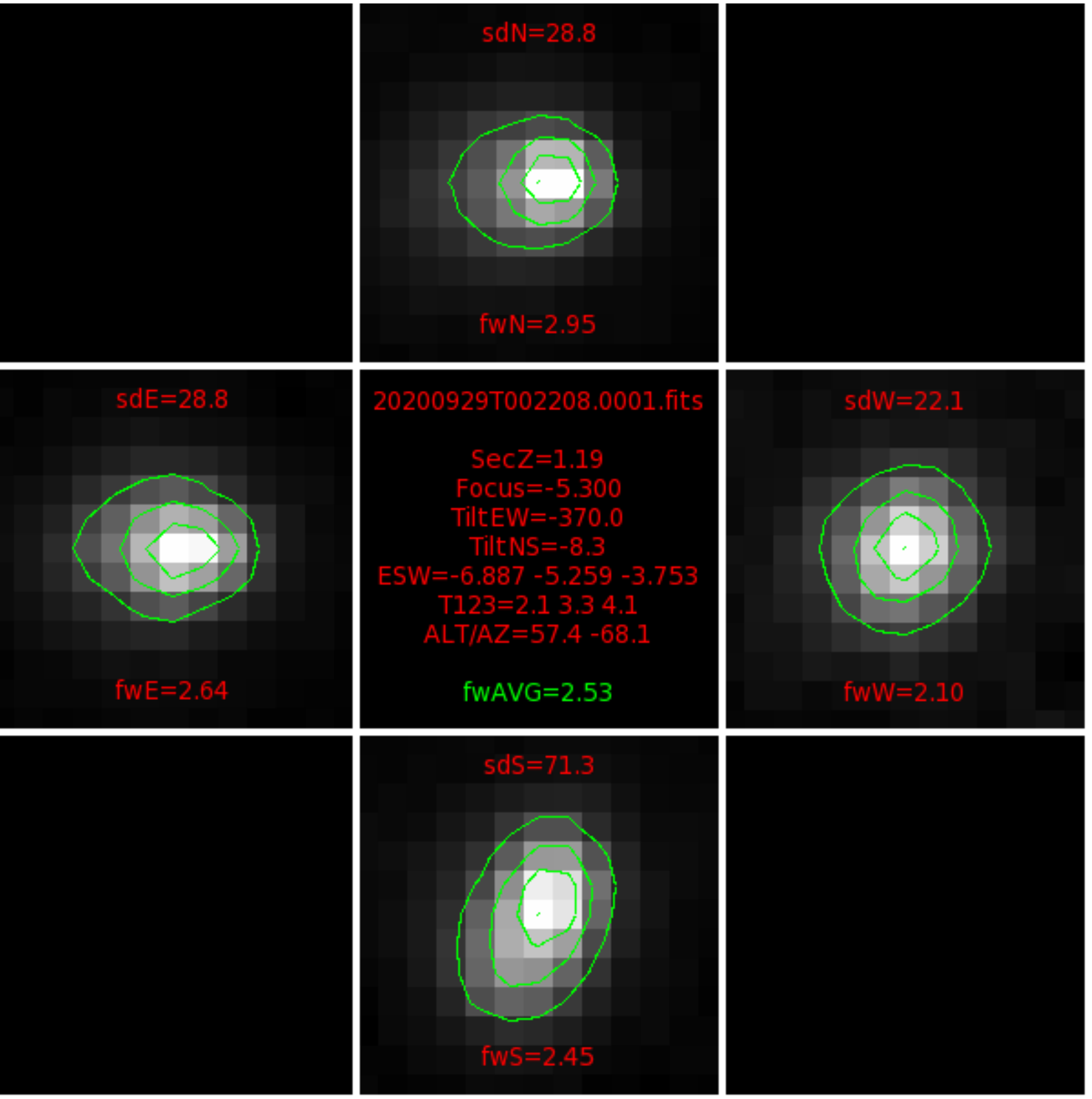
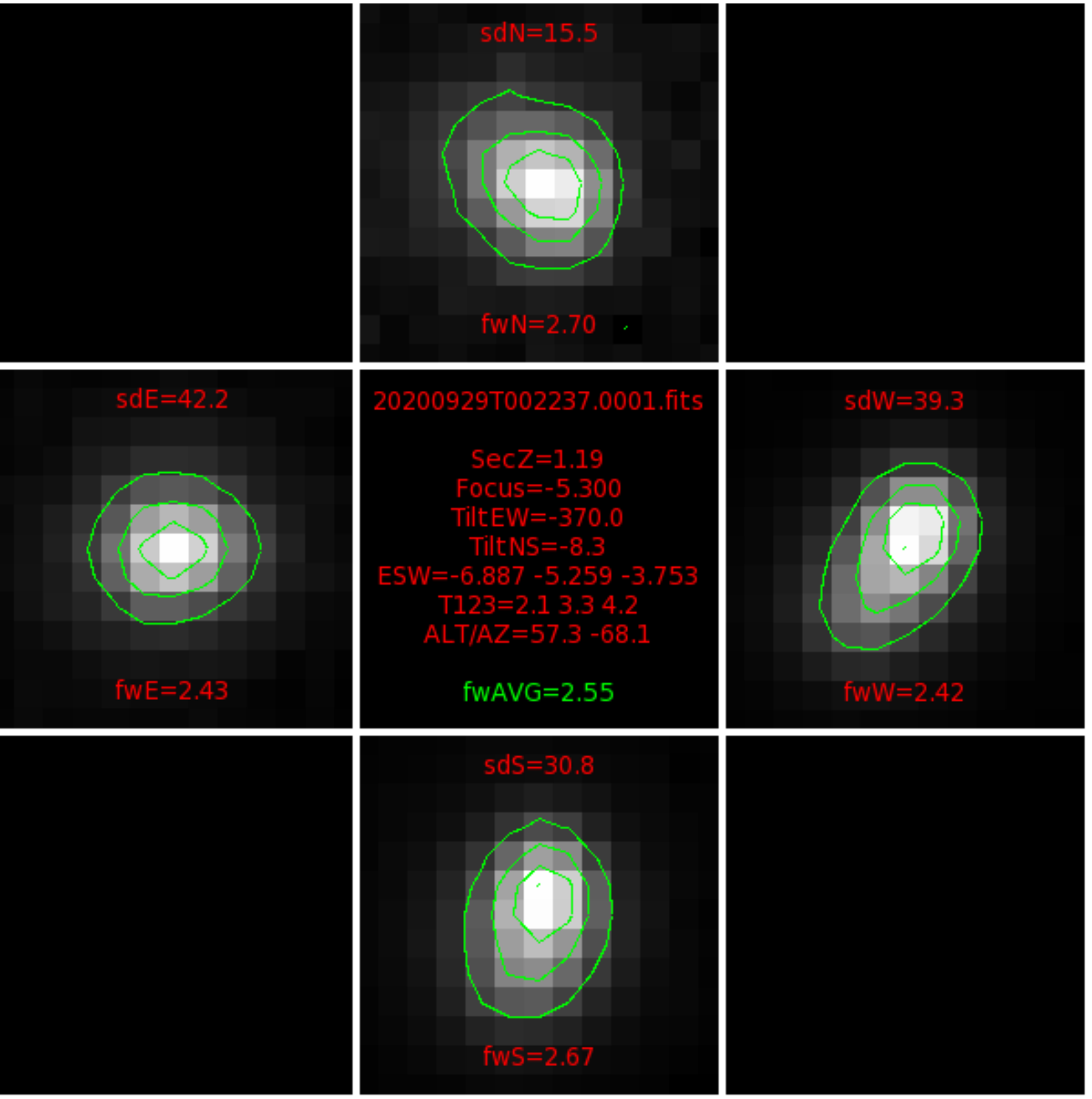
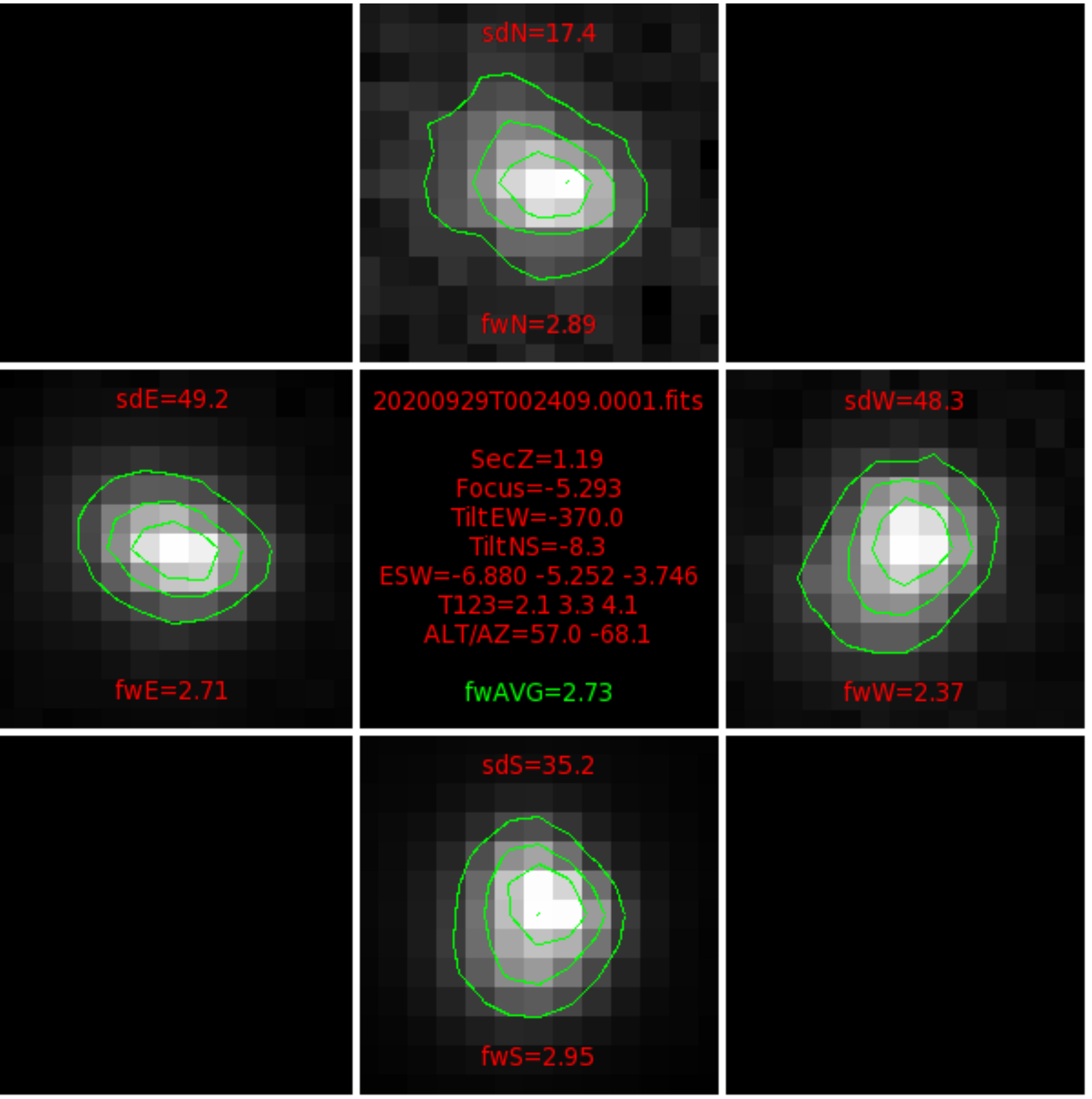
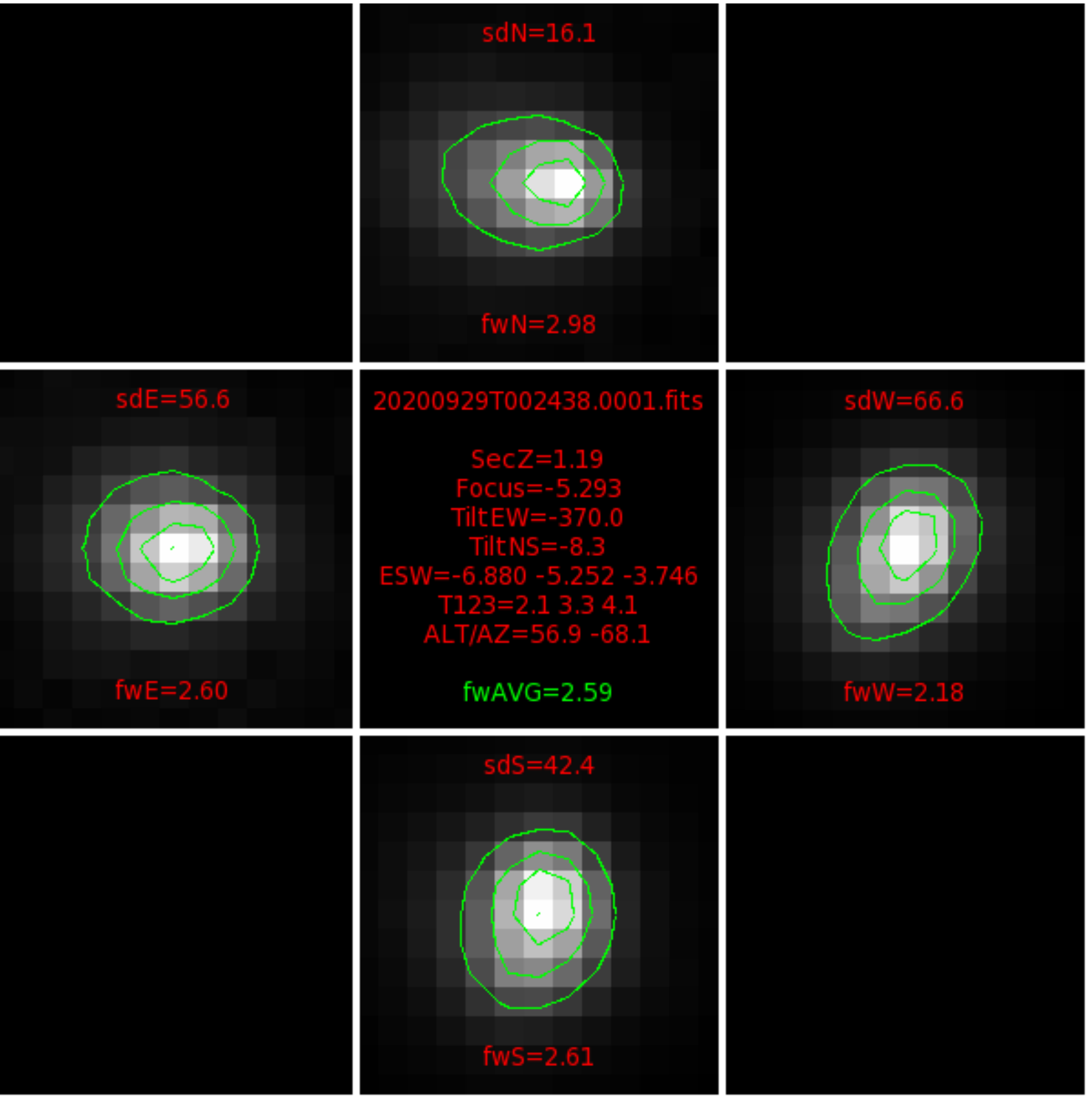

sdN=39.0
fwN=2.89
sdE=28.0
fwE=2.64
20200929T002028.0001.fits
SecZ=1.32
Focus=-5.293
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.880 -5.252 -3.746
T123=2.1 3.3 4.3
ALT/AZ=49.2 -59.7
fwAVG=2.53
sdW=20.4
fwW=2.09
sdS=103.7
fwS=2.51
0 0 0 0 0 0 0 0 0


sdN=28.8
fwN=2.95
sdE=28.8
fwE=2.64
20200929T002208.0001.fits
SecZ=1.19
Focus=-5.300
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.887 -5.259 -3.753
T123=2.1 3.3 4.1
ALT/AZ=57.4 -68.1
fwAVG=2.53
sdW=22.1
fwW=2.10
sdS=71.3
fwS=2.45
0 0 0 0 0 0 0 0 0


sdN=15.5
fwN=2.70
sdE=42.2
fwE=2.43
20200929T002237.0001.fits
SecZ=1.19
Focus=-5.300
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.887 -5.259 -3.753
T123=2.1 3.3 4.2
ALT/AZ=57.3 -68.1
fwAVG=2.55
sdW=39.3
fwW=2.42
sdS=30.8
fwS=2.67
0 0 0 0 0 0 0 0 0


sdN=17.4
fwN=2.89
sdE=49.2
fwE=2.71
20200929T002409.0001.fits
SecZ=1.19
Focus=-5.293
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.880 -5.252 -3.746
T123=2.1 3.3 4.1
ALT/AZ=57.0 -68.1
fwAVG=2.73
sdW=48.3
fwW=2.37
sdS=35.2
fwS=2.95
0 0 0 0 0 0 0 0 0


sdN=16.1
fwN=2.98
sdE=56.6
fwE=2.60
20200929T002438.0001.fits
SecZ=1.19
Focus=-5.293
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.880 -5.252 -3.746
T123=2.1 3.3 4.1
ALT/AZ=56.9 -68.1
fwAVG=2.59
sdW=66.6
fwW=2.18
sdS=42.4
fwS=2.61
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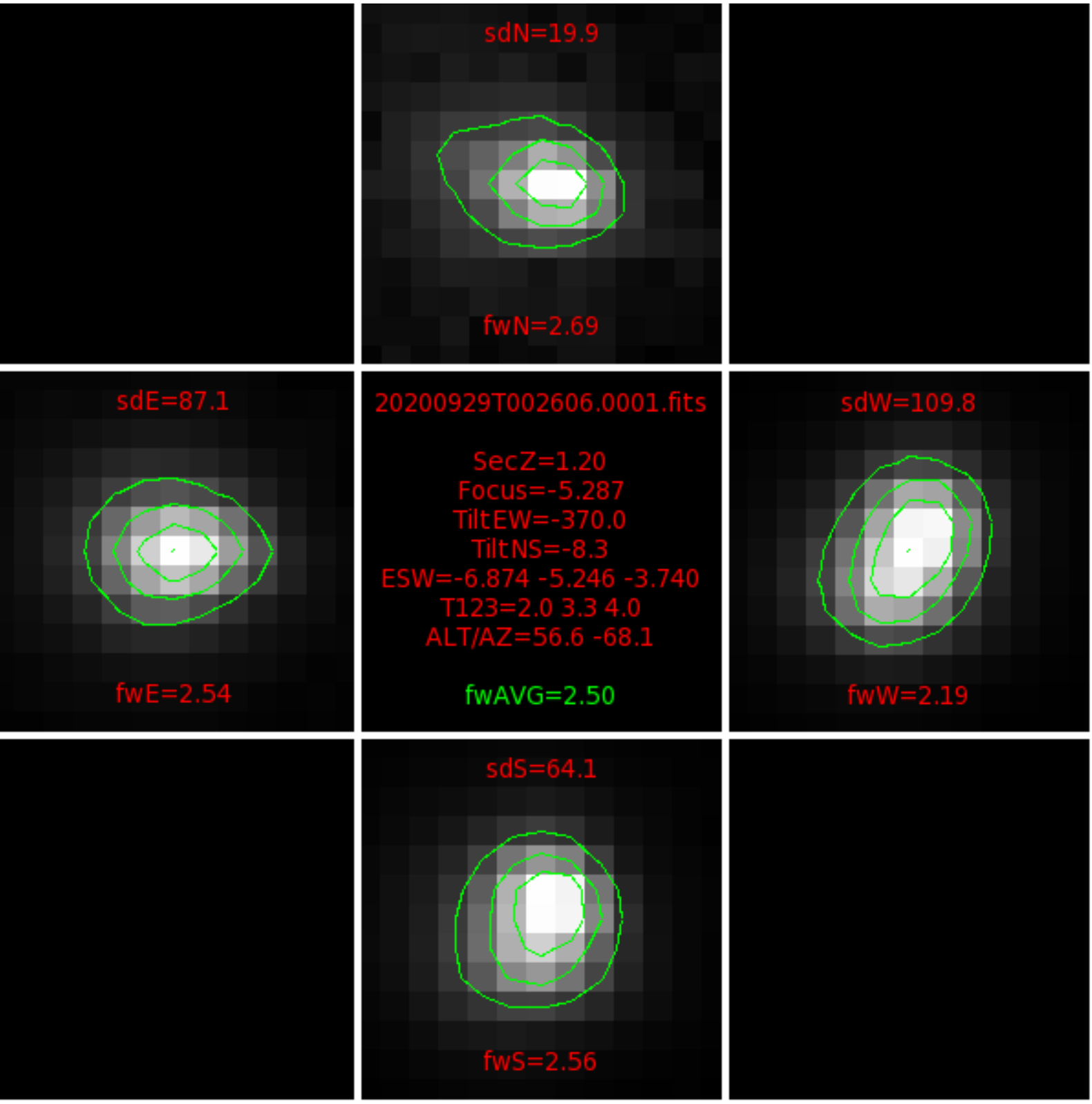
sdN=19.9
fwN=2.69
sdE=87.1
fwE=2.54
20200929T002606.0001.fits
SecZ=1.20
Focus=-5.287
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.874 -5.246 -3.740
T123=2.0 3.3 4.0
ALT/AZ=56.6 -68.1
fwAVG=2.50
sdW=109.8
fwW=2.19
sdS=64.1
fwS=2.56
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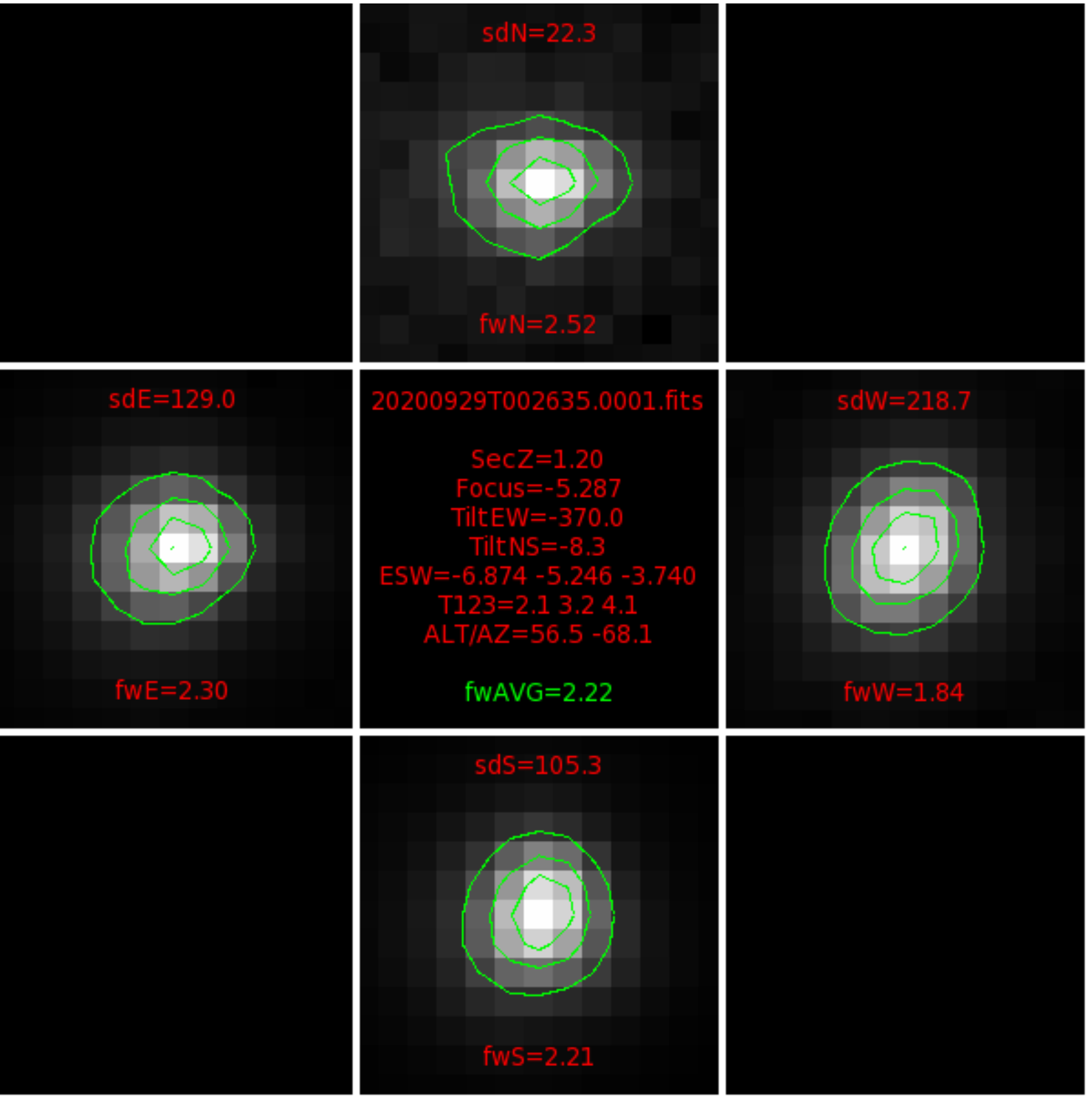
sdN=22.3
fwN=2.52
sdE=129.0
fwE=2.30
20200929T002635.0001.fits
SecZ=1.20
Focus=-5.287
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.874 -5.246 -3.740
T123=2.1 3.2 4.1
ALT/AZ=56.5 -68.1
fwAVG=2.22
sdW=218.7
fwW=1.84
sdS=105.3
fwS=2.21
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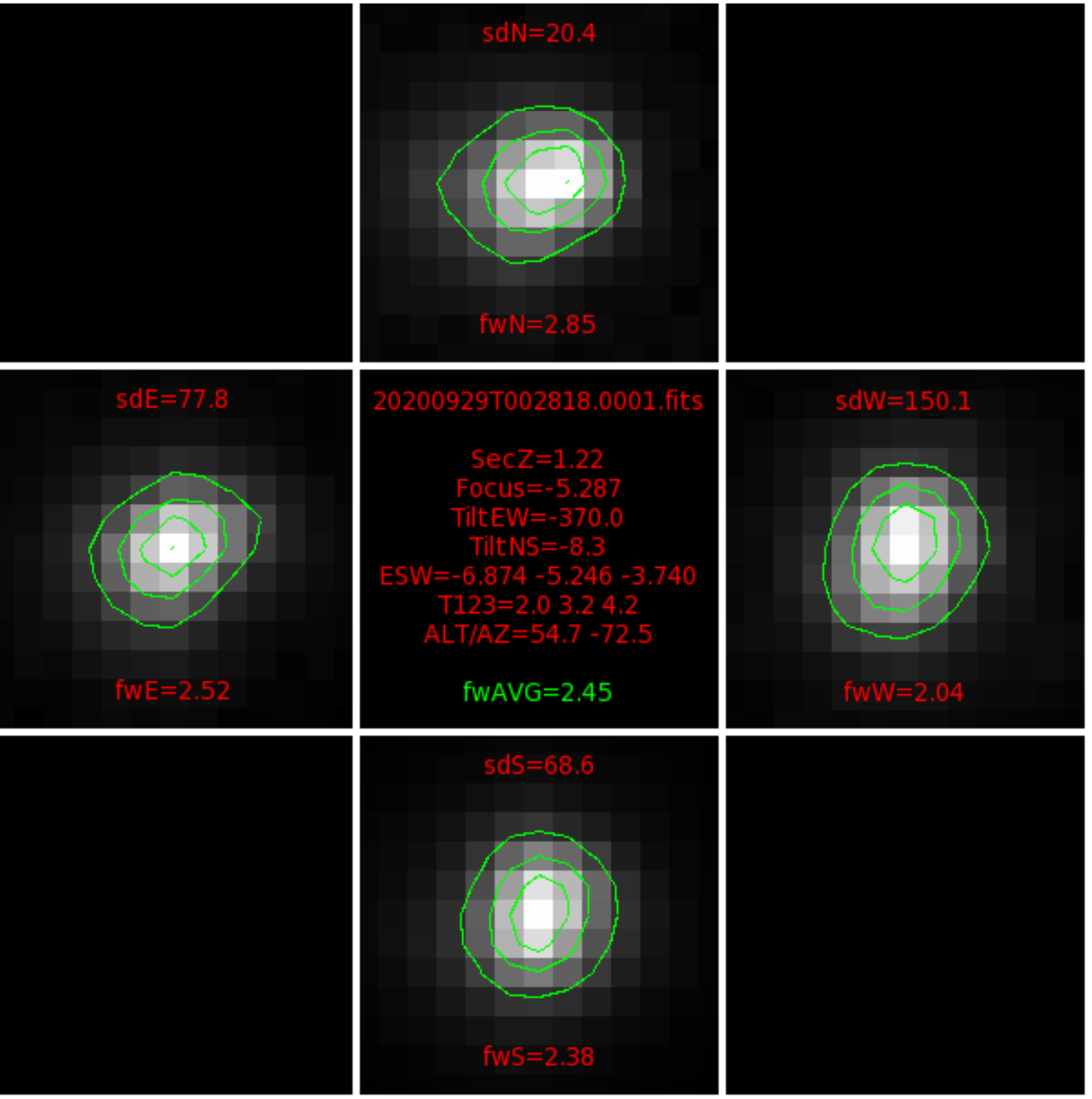
sdN=20.4
fwN=2.85
sdE=77.8
fwE=2.52
20200929T002818.0001.fits
SecZ=1.22
Focus=-5.287
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.874 -5.246 -3.740
T123=2.0 3.2 4.2
ALT/AZ=54.7 -72.5
fwAVG=2.45
sdW=150.1
fwW=2.04
sdS=68.6
fwS=2.38
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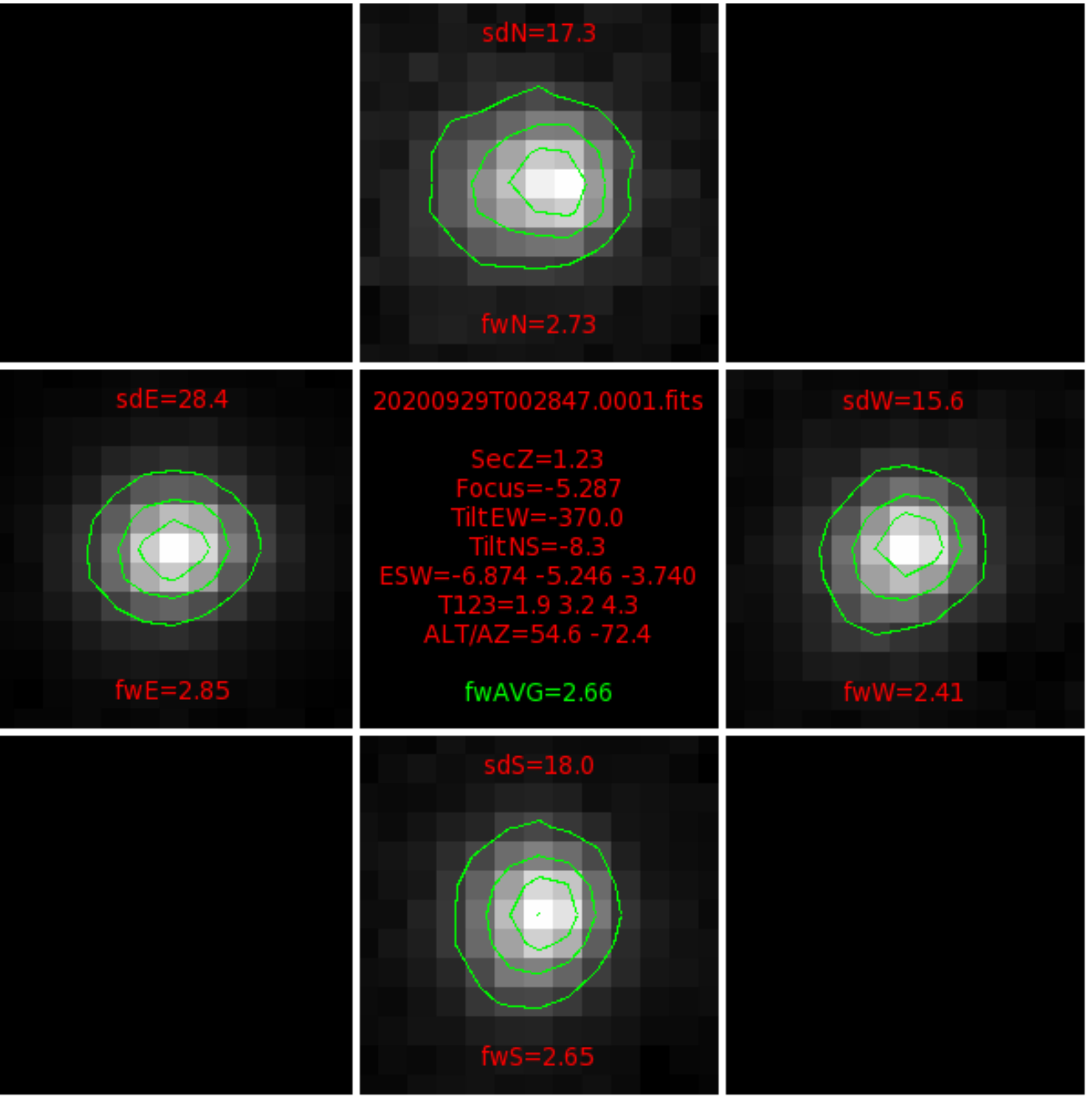
sdN=17.3
fwN=2.73
sdE=28.4
fwE=2.85
20200929T002847.0001.fits
SecZ=1.23
Focus=-5.287
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.874 -5.246 -3.740
T123=1.9 3.2 4.3
ALT/AZ=54.6 -72.4
fwAVG=2.66
sdW=15.6
fwW=2.41
sdS=18.0
fwS=2.65
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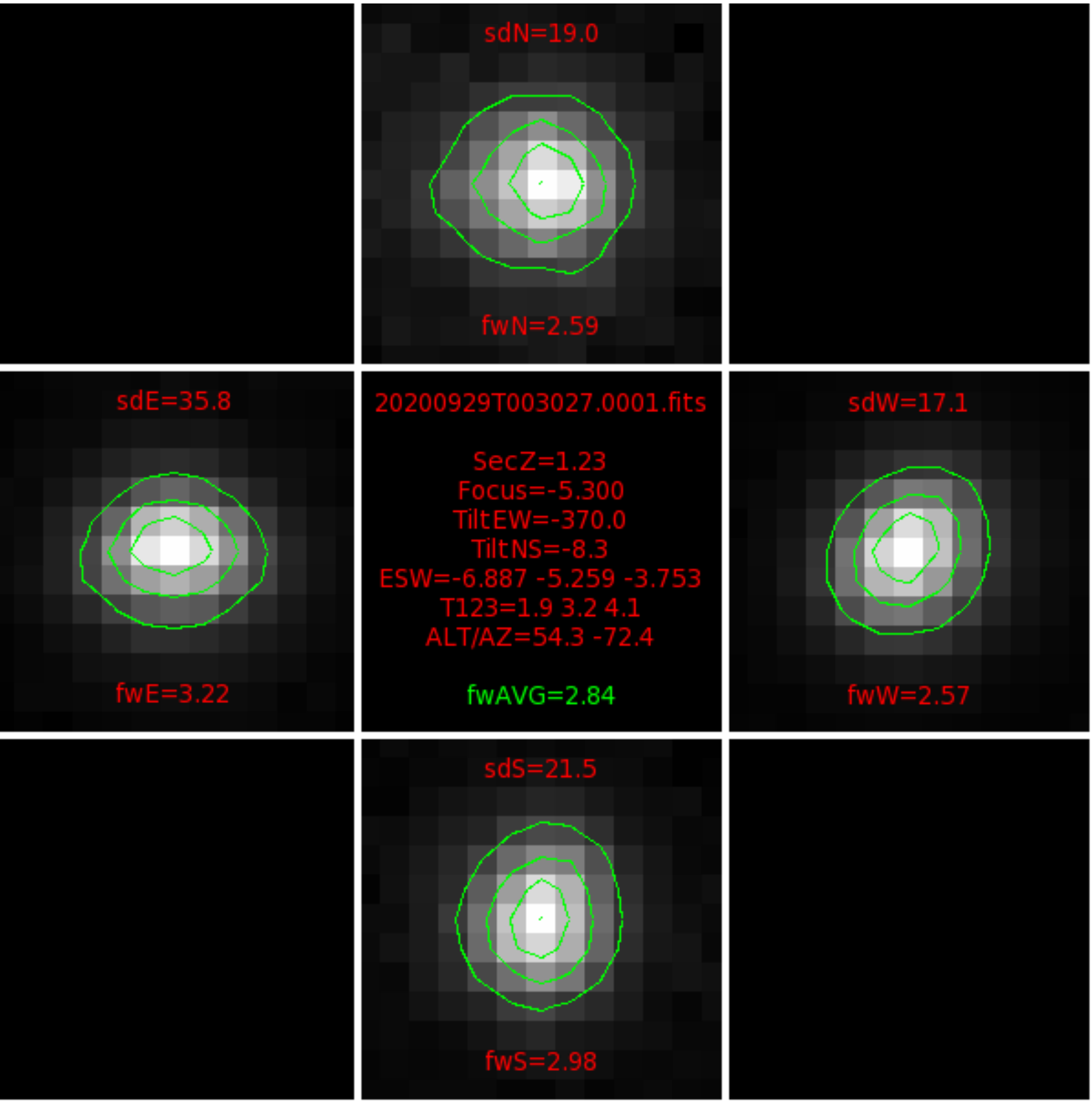
sdN=19.0
fwN=2.59
sdE=35.8
fwE=3.22
20200929T003027.0001.fits
SecZ=1.23
Focus=-5.300
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.887 -5.259 -3.753
T123=1.9 3.2 4.1
ALT/AZ=54.3 -72.4
fwAVG=2.84
sdW=17.1
fwW=2.57
sdS=21.5
fwS=2.98
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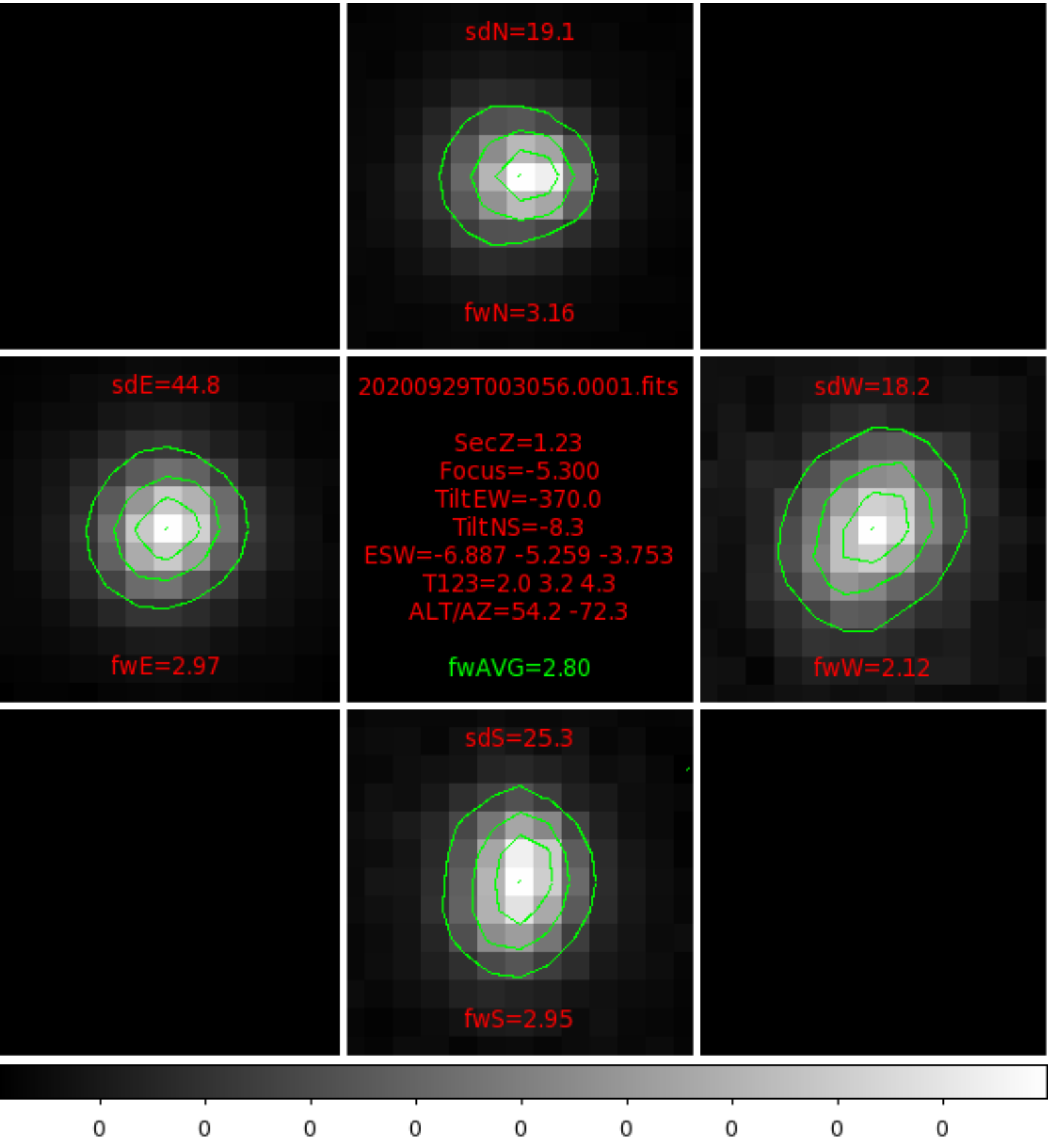
sdN=19.1
fwN=3.16
sdE=44.8
fwE=2.97
20200929T003056.0001.fits
SecZ=1.23
Focus=-5.300
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.887 -5.259 -3.753
T123=2.0 3.2 4.3
ALT/AZ=54.2 -72.3
fwAVG=2.80
sdW=18.2
fwW=2.12
sdS=25.3
fwS=2.95
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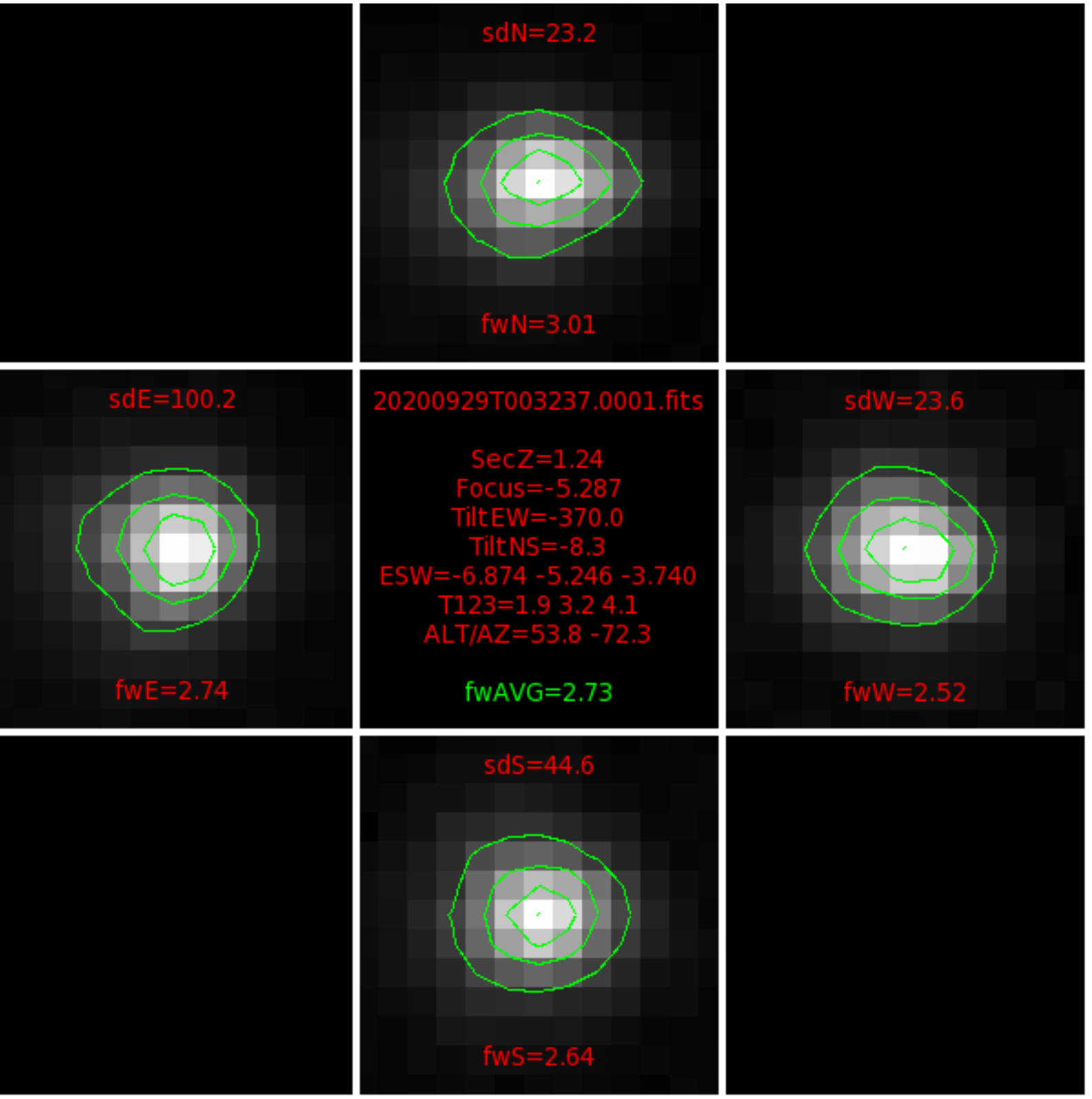
sdN=23.2
fwN=3.01
sdE=100.2
fwE=2.74
20200929T003237.0001.fits
SecZ=1.24
Focus=-5.287
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.874 -5.246 -3.740
T123=1.9 3.2 4.1
ALT/AZ=53.8 -72.3
fwAVG=2.73
sdW=23.6
fwW=2.52
sdS=44.6
fwS=2.64
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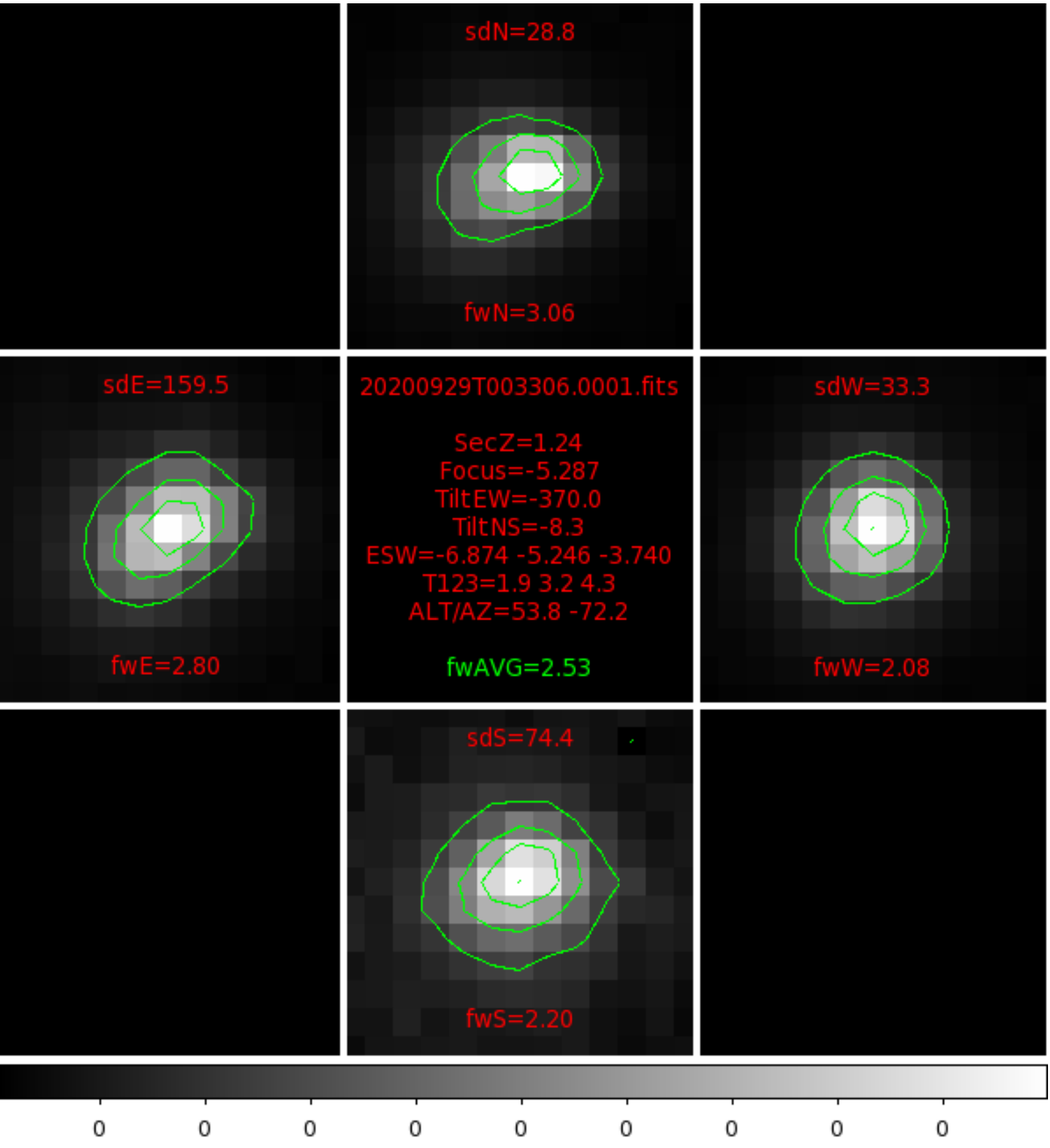
sdN=28.8
fwN=3.06
sdE=159.5
fwE=2.80
20200929T003306.0001.fits
SecZ=1.24
Focus=-5.287
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.874 -5.246 -3.740
T123=1.9 3.2 4.3
ALT/AZ=53.8 -72.2
fwAVG=2.53
sdW=33.3
fwW=2.08
sdS=74.4
fwS=2.20
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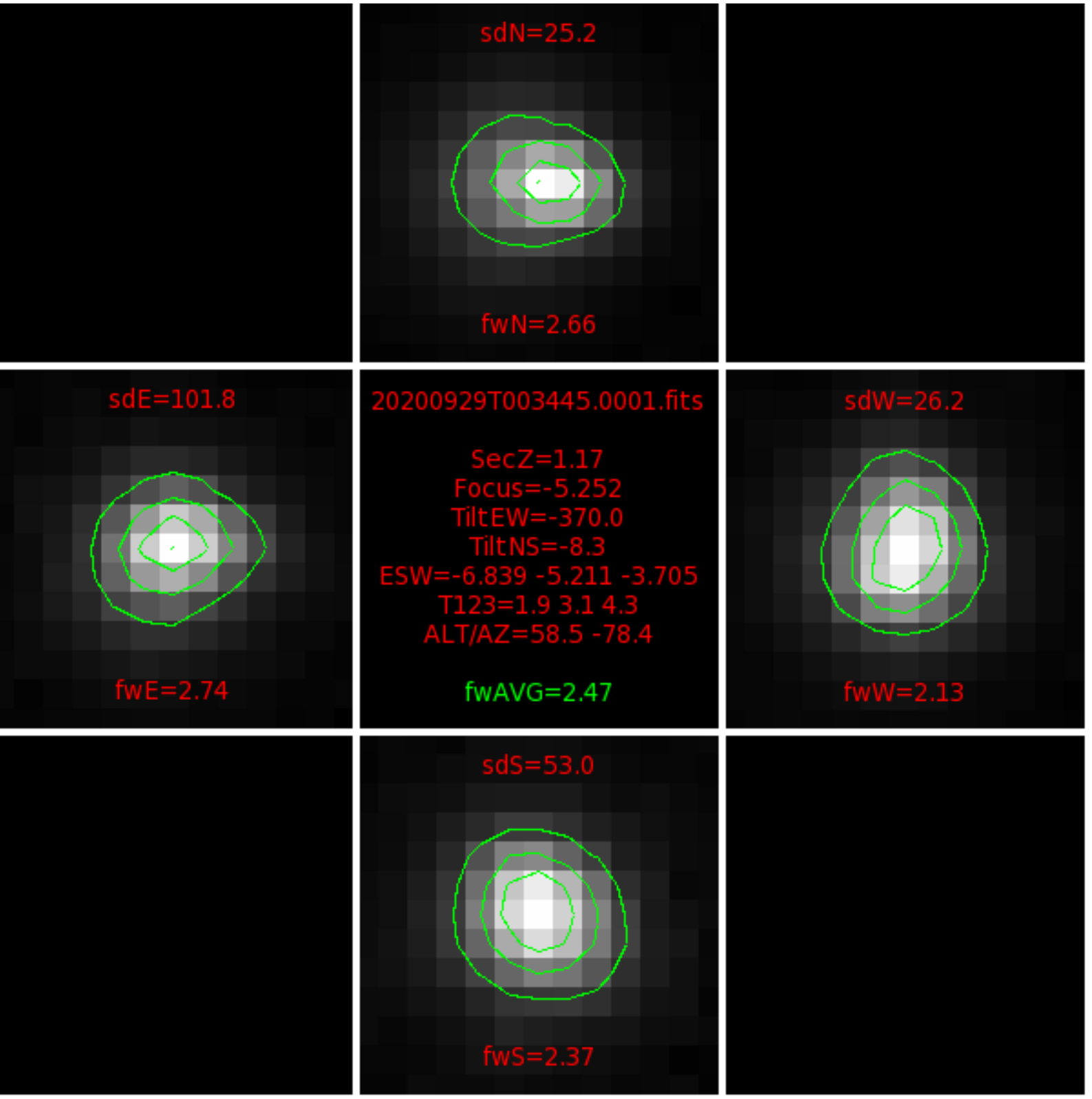
sdN=25.2
fwN=2.66
sdE=101.8
fwE=2.74
20200929T003445.0001.fits
SecZ=1.17
Focus=-5.252
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.839 -5.211 -3.705
T123=1.9 3.1 4.3
ALT/AZ=58.5 -78.4
fwAVG=2.47
sdW=26.2
fwW=2.13
sdS=53.0
fwS=2.37
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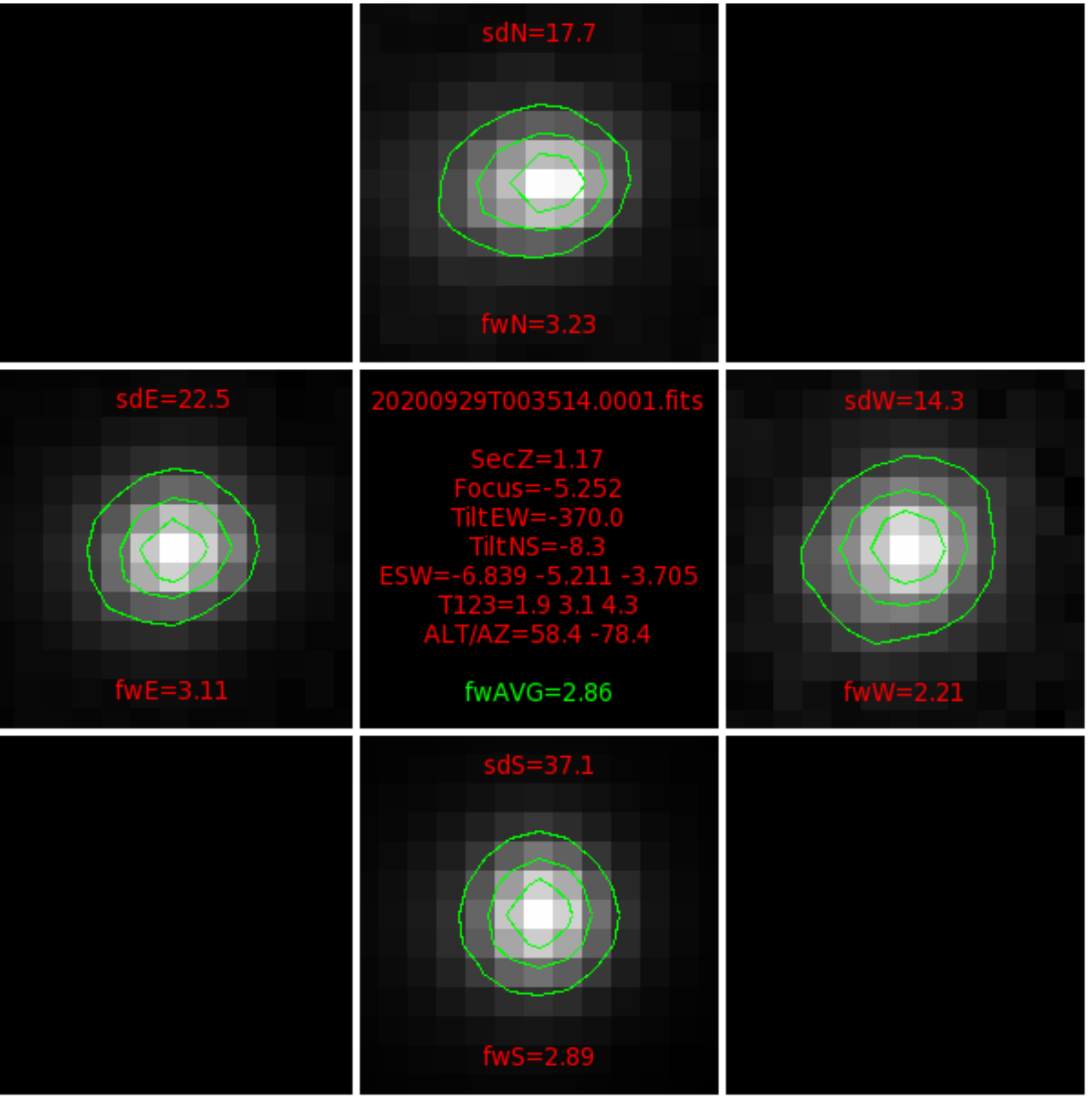
sdN=17.7
fwN=3.23
sdE=22.5
fwE=3.11
20200929T003514.0001.fits
SecZ=1.17
Focus=-5.252
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.839 -5.211 -3.705
T123=1.9 3.1 4.3
ALT/AZ=58.4 -78.4
fwAVG=2.86
sdW=14.3
fwW=2.21
sdS=37.1
fwS=2.89
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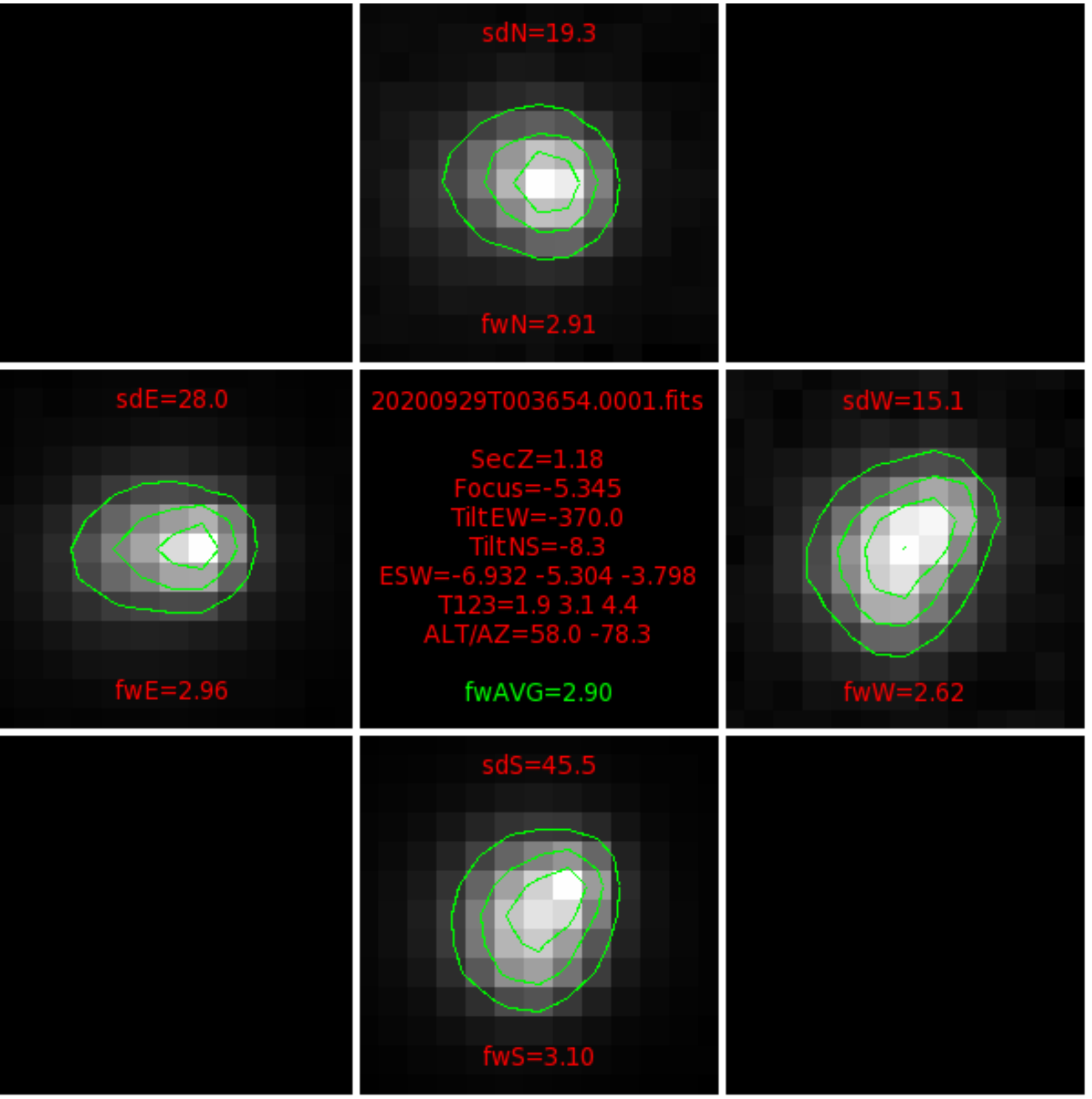
sdN=19.3
fwN=2.91
sdE=28.0
fwE=2.96
20200929T003654.0001.fits
SecZ=1.18
Focus=-5.345
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.932 -5.304 -3.798
T123=1.9 3.1 4.4
ALT/AZ=58.0 -78.3
fwAVG=2.90
sdW=15.1
fwW=2.62
sdS=45.5
fwS=3.10
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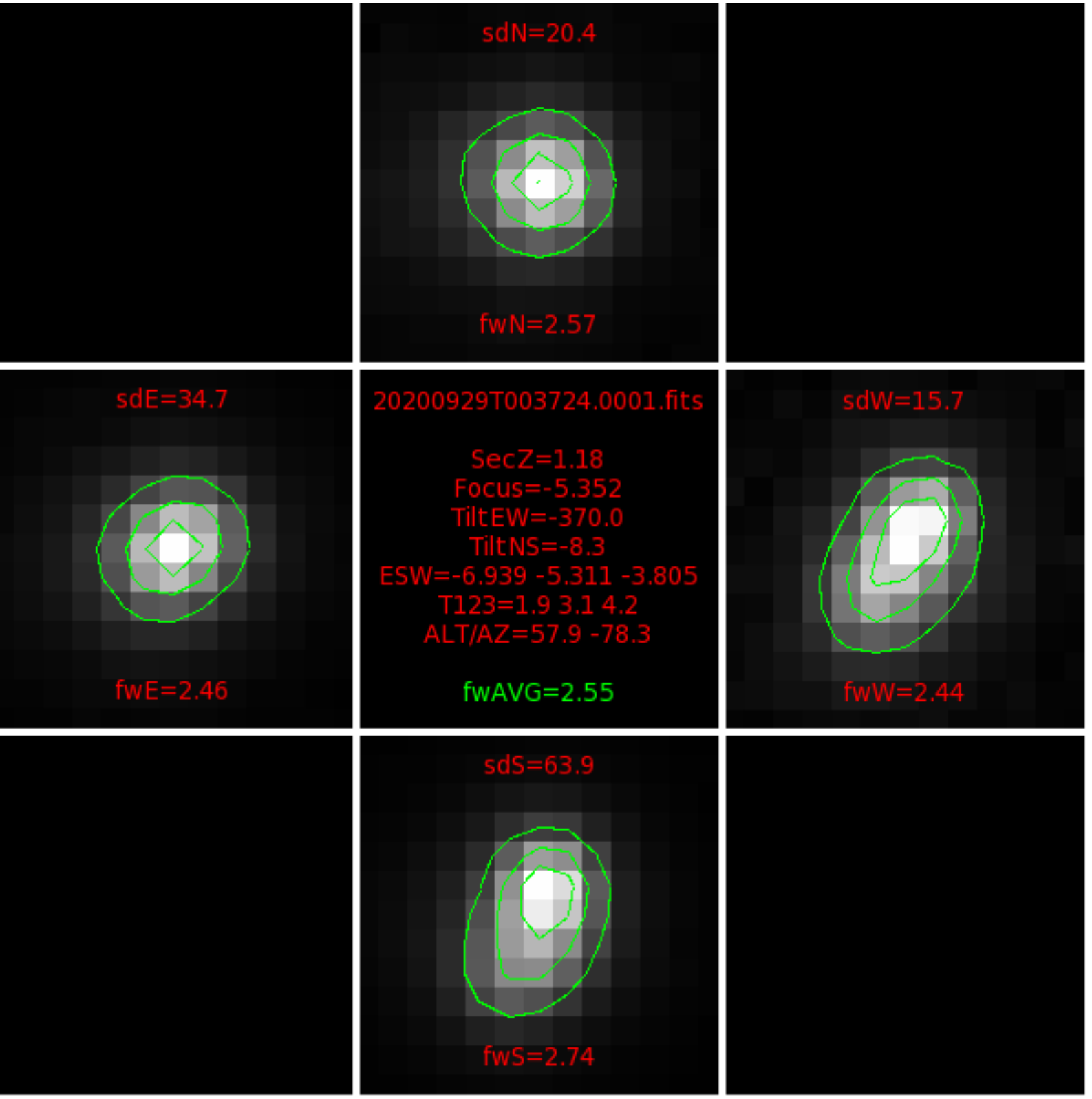
sdN=20.4
fwN=2.57
sdE=34.7
fwE=2.46
20200929T003724.0001.fits
SecZ=1.18
Focus=-5.352
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.939 -5.311 -3.805
T123=1.9 3.1 4.2
ALT/AZ=57.9 -78.3
fwAVG=2.55
sdW=15.7
fwW=2.44
sdS=63.9
fwS=2.74
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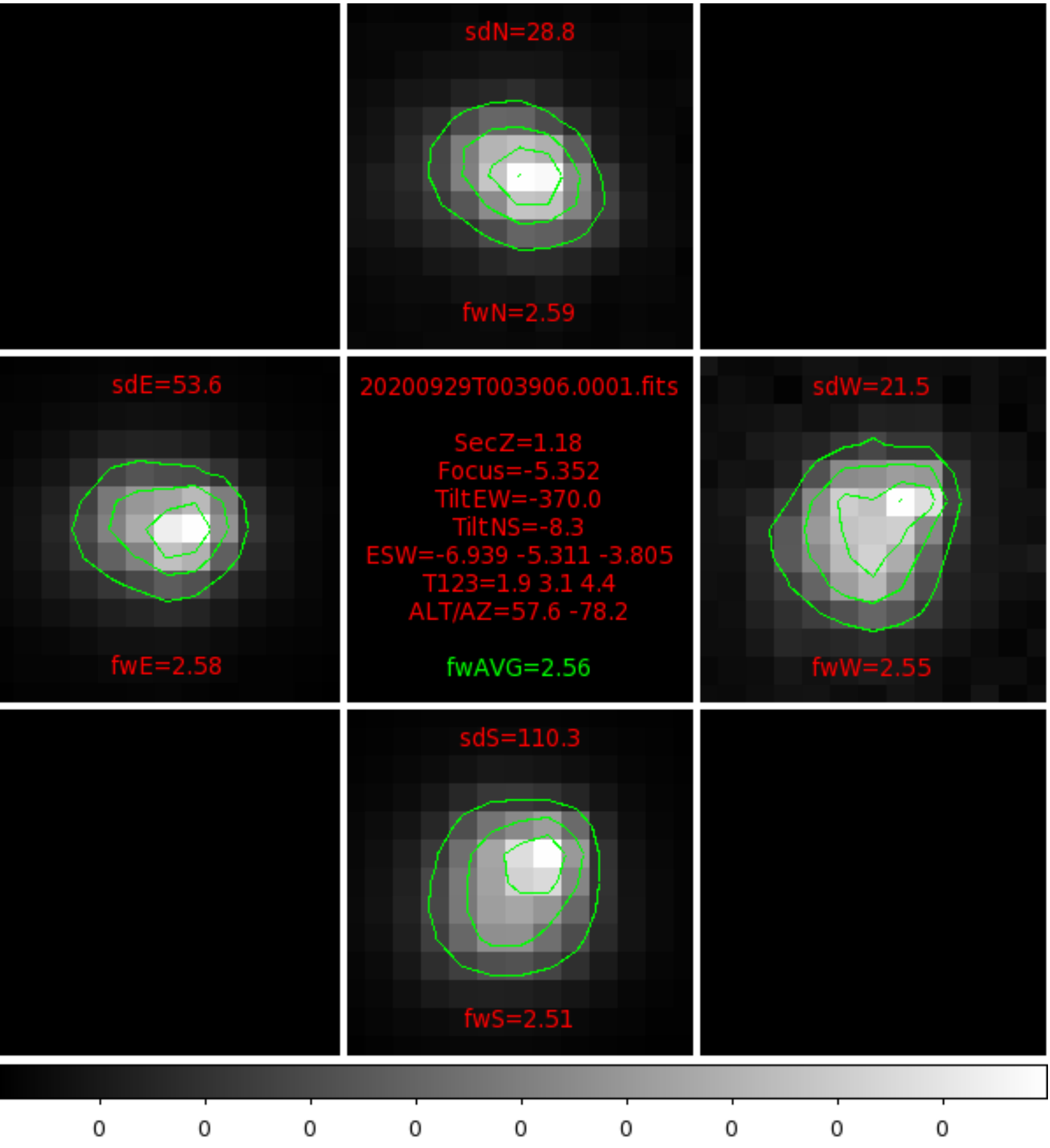
sdN=28.8
fwN=2.59
sdE=53.6
fwE=2.58
20200929T003906.0001.fits
SecZ=1.18
Focus=-5.352
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.939 -5.311 -3.805
T123=1.9 3.1 4.4
ALT/AZ=57.6 -78.2
fwAVG=2.56
sdW=21.5
fwW=2.55
sdS=110.3
fwS=2.51
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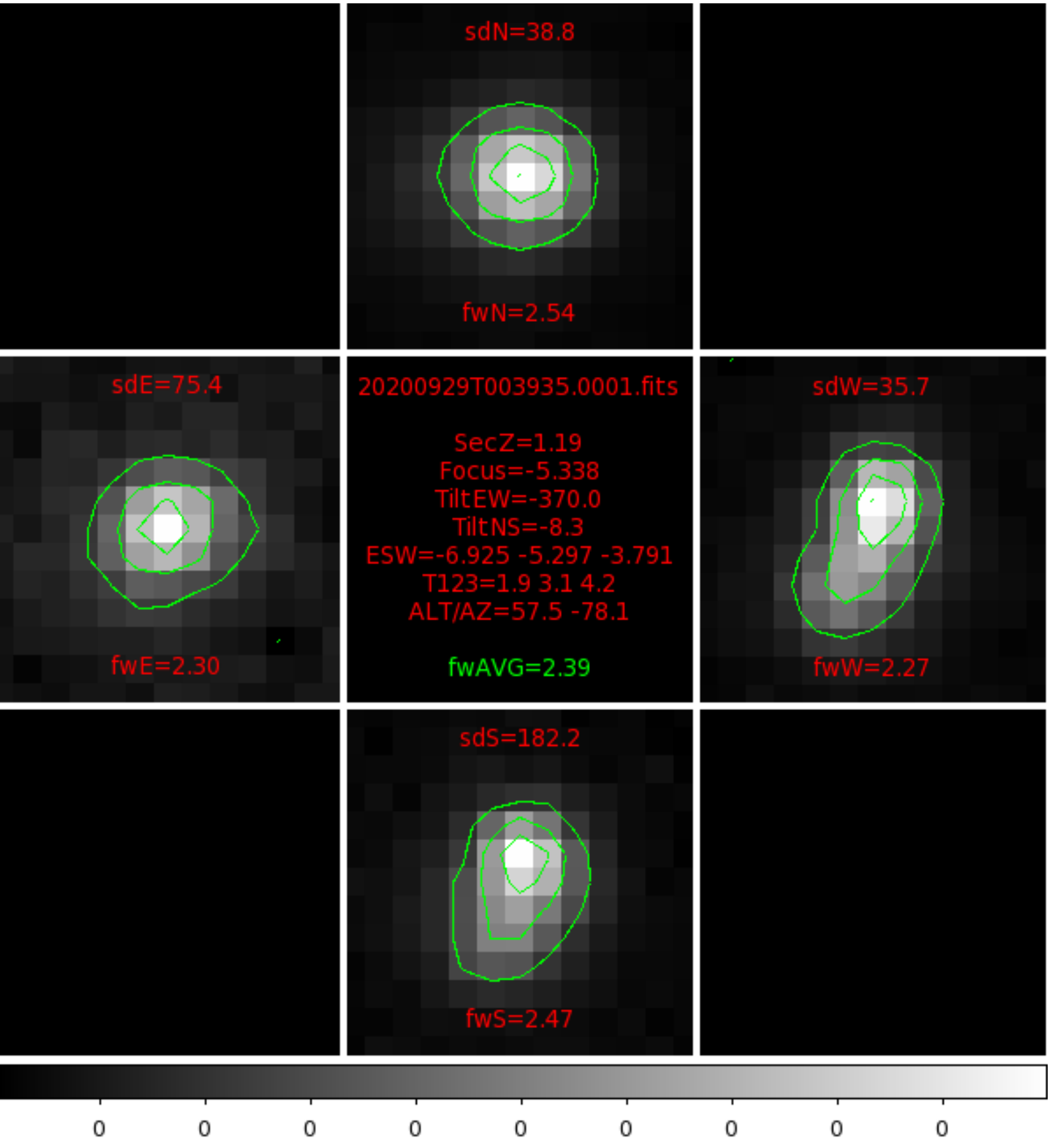
sdN=38.8
fwN=2.54
sdE=75.4
fwE=2.30
20200929T003935.0001.fits
SecZ=1.19
Focus=-5.338
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.925 -5.297 -3.791
T123=1.9 3.1 4.2
ALT/AZ=57.5 -78.1
fwAVG=2.39
sdW=35.7
fwW=2.27
sdS=182.2
fwS=2.47
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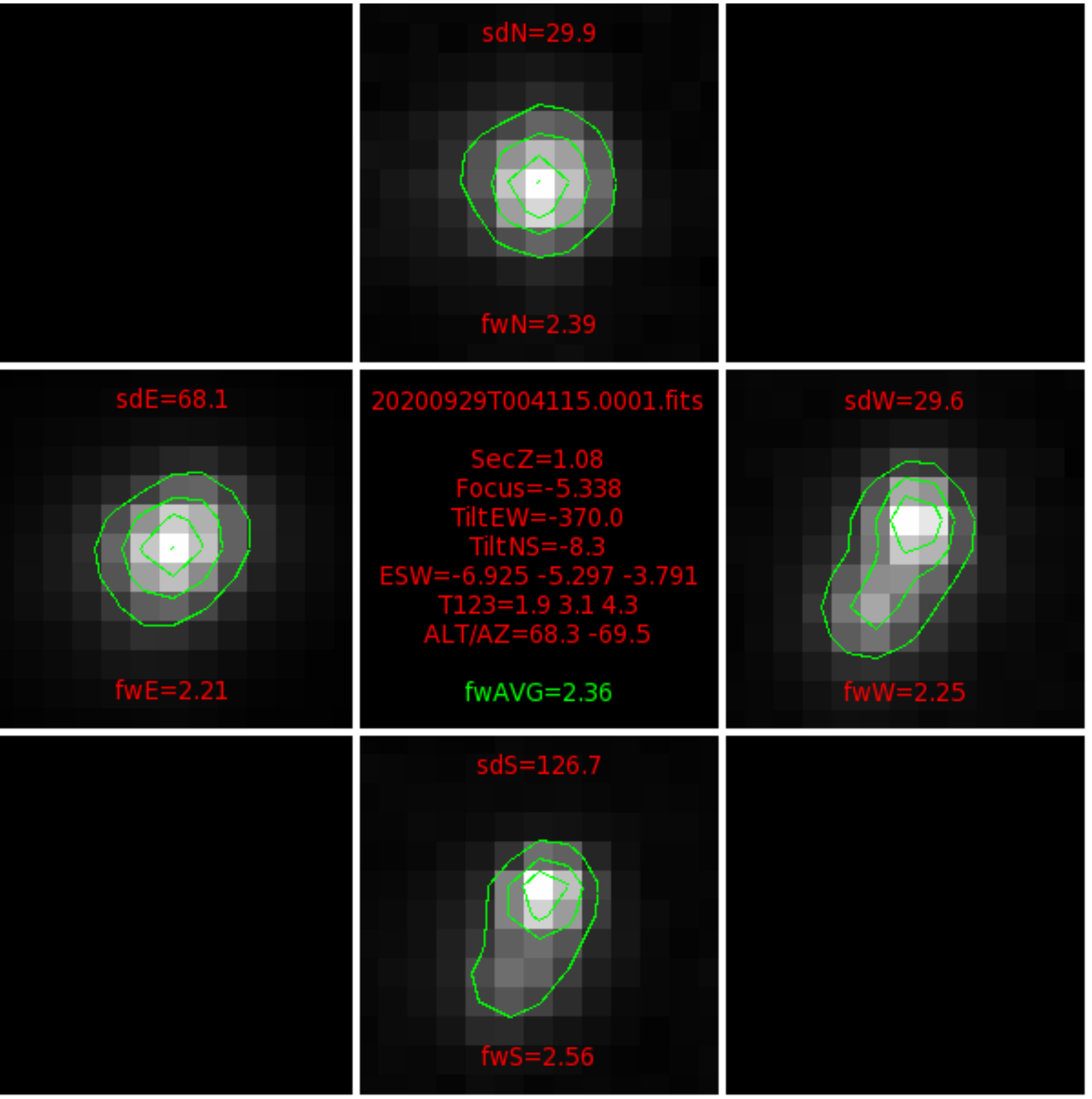
sdN=29.9
fwN=2.39
sdE=68.1
fwE=2.21
20200929T004115.0001.fits
SecZ=1.08
Focus=-5.338
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.925 -5.297 -3.791
T123=1.9 3.1 4.3
ALT/AZ=68.3 -69.5
fwAVG=2.36
sdW=29.6
fwW=2.25
sdS=126.7
fwS=2.56
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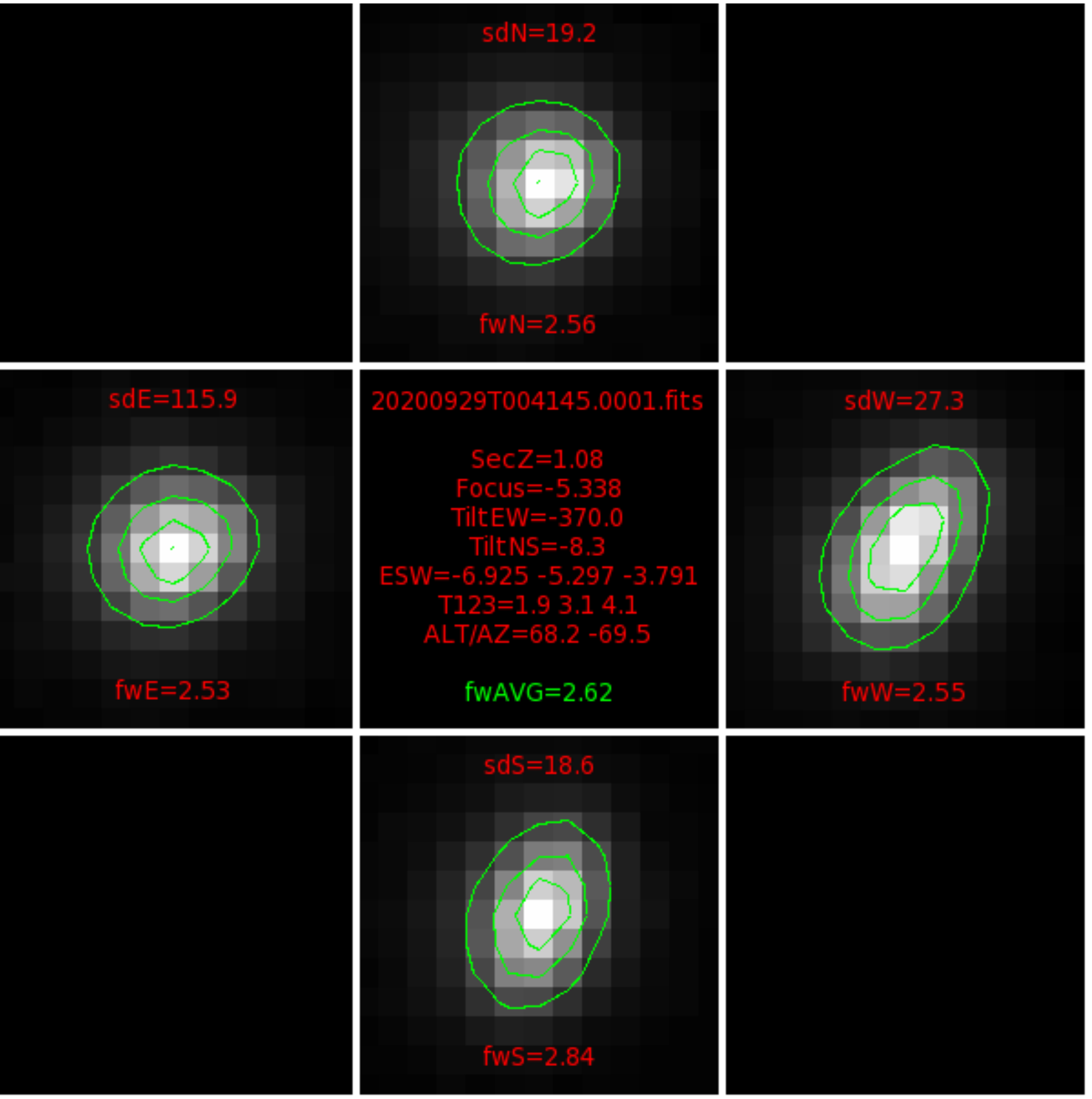
sdN=19.2
fwN=2.56
sdE=115.9
fwE=2.53
20200929T004145.0001.fits
SecZ=1.08
Focus=-5.338
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.925 -5.297 -3.791
T123=1.9 3.1 4.1
ALT/AZ=68.2 -69.5
fwAVG=2.62
sdW=27.3
fwW=2.55
sdS=18.6
fwS=2.84
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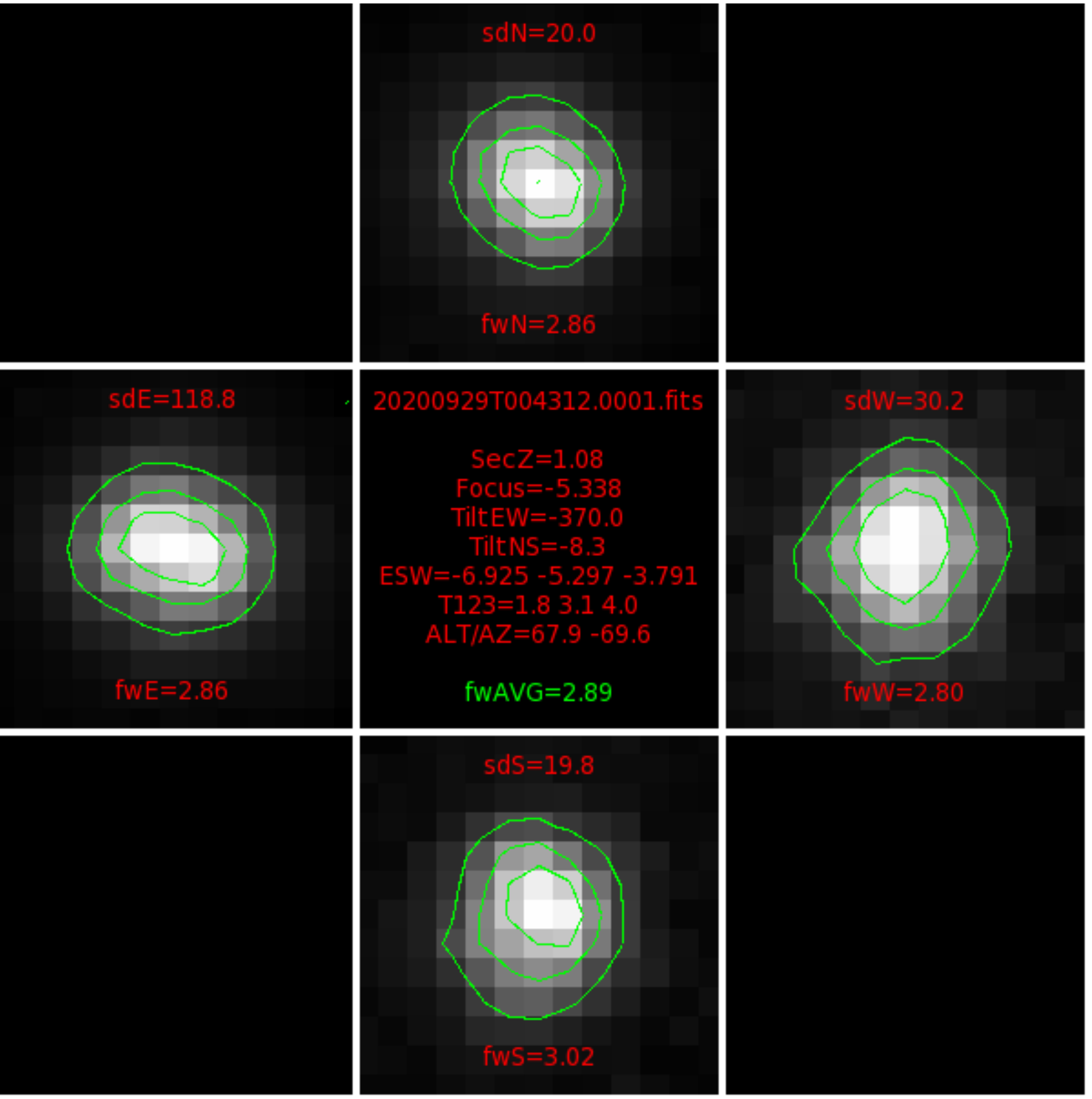
sdN=20.0
fwN=2.86
sdE=118.8
fwE=2.86
20200929T004312.0001.fits
SecZ=1.08
Focus=-5.338
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.925 -5.297 -3.791
T123=1.8 3.1 4.0
ALT/AZ=67.9 -69.6
fwAVG=2.89
sdW=30.2
fwW=2.80
sdS=19.8
fwS=3.02
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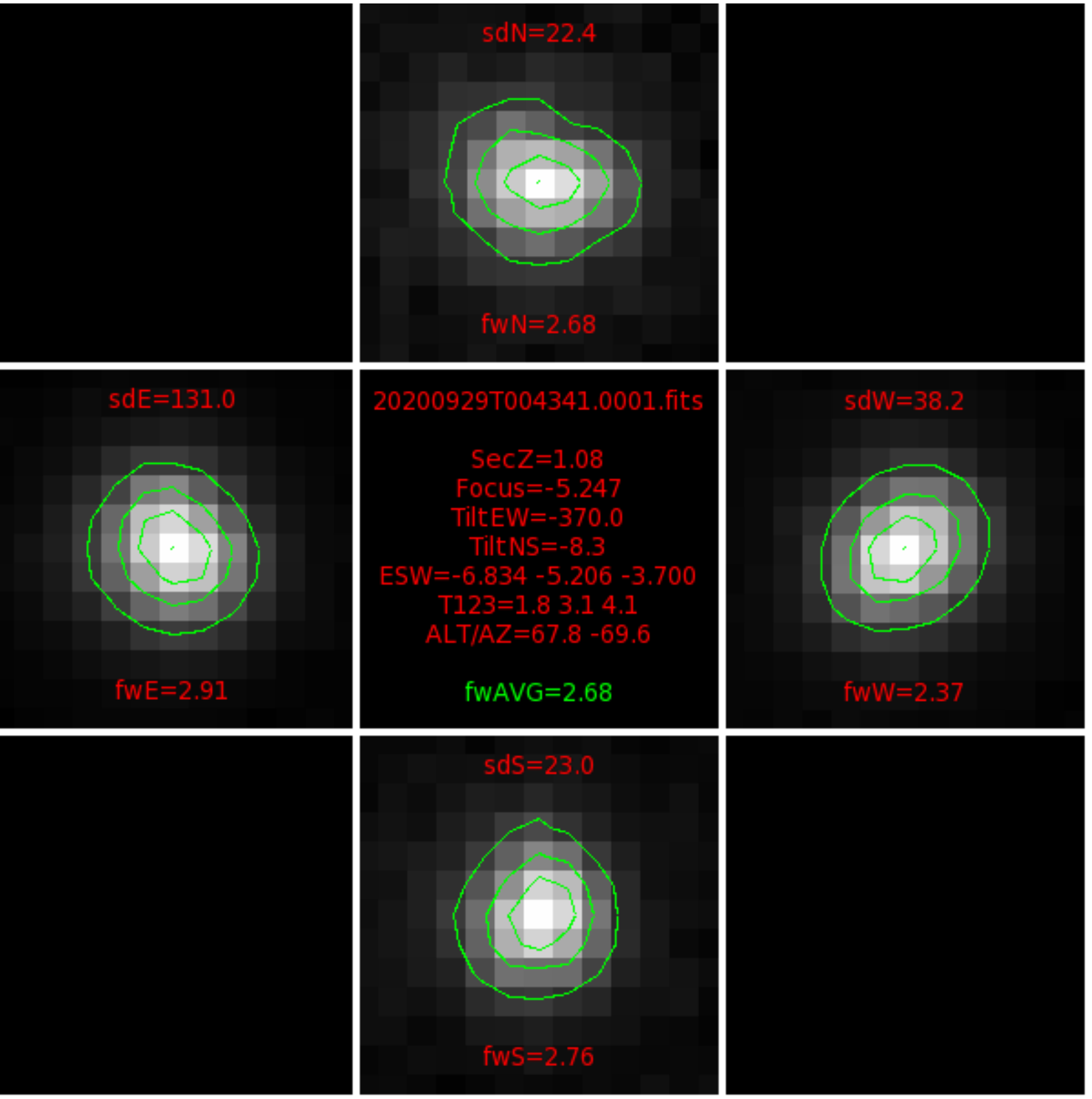
sdN=22.4
fwN=2.68
sdE=131.0
fwE=2.91
20200929T004341.0001.fits
SecZ=1.08
Focus=-5.247
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.834 -5.206 -3.700
T123=1.8 3.1 4.1
ALT/AZ=67.8 -69.6
fwAVG=2.68
sdW=38.2
fwW=2.37
sdS=23.0
fwS=2.76
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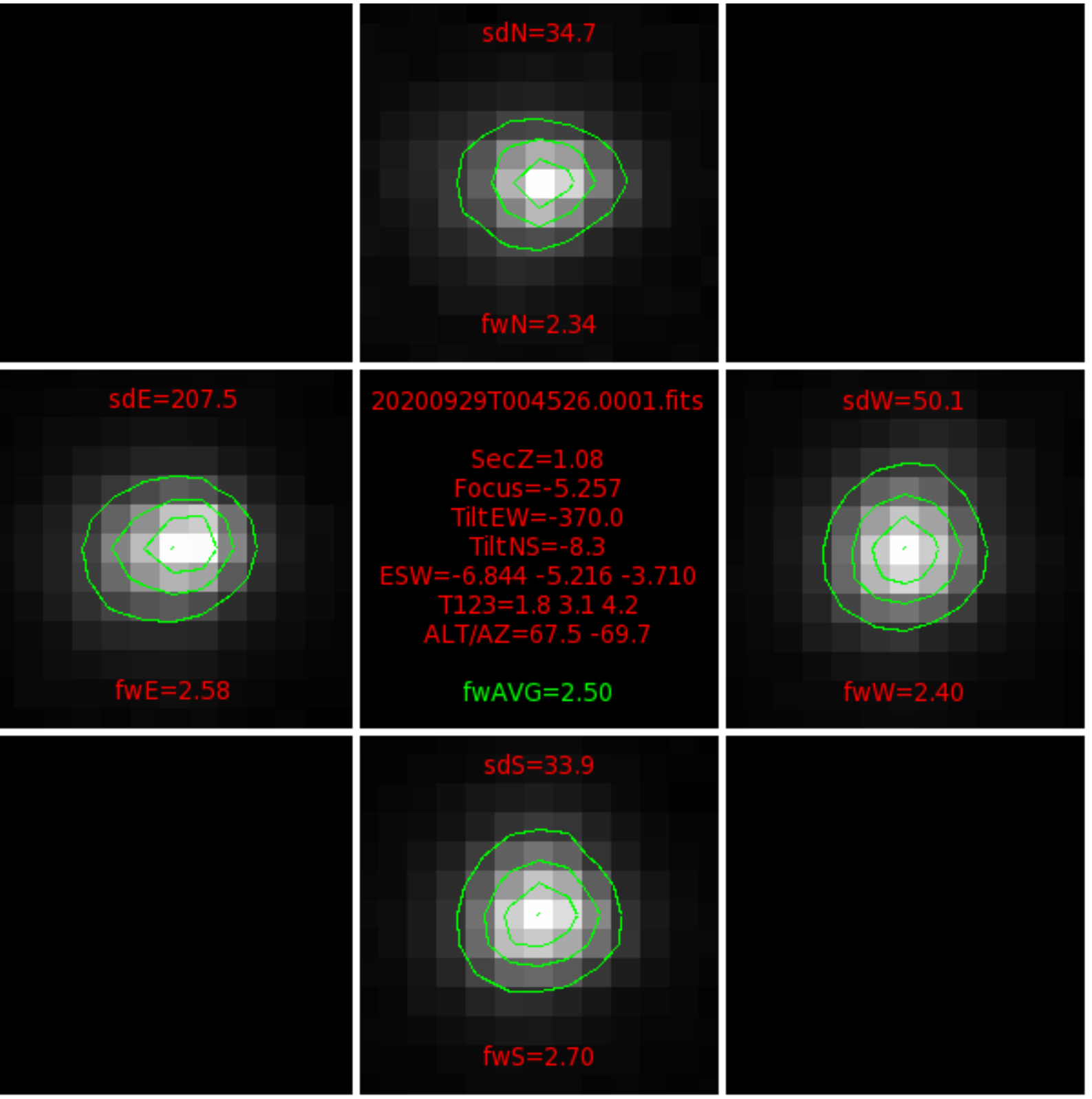
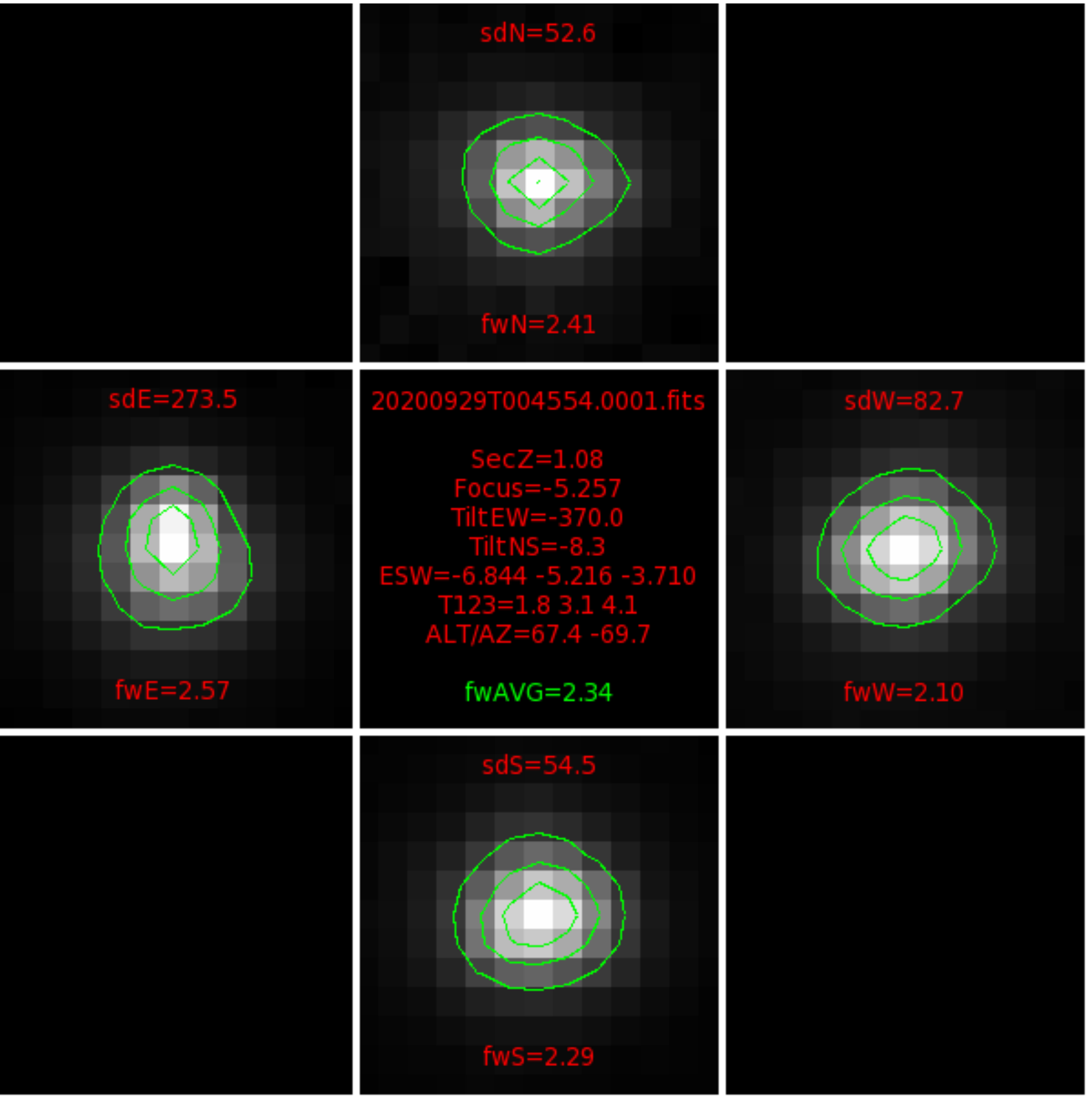

sdN=34.7
fwN=2.34
sdE=207.5
fwE=2.58
20200929T004526.0001.fits
SecZ=1.08
Focus=-5.257
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.844 -5.216 -3.710
T123=1.8 3.1 4.2
ALT/AZ=67.5 -69.7
fwAVG=2.50
sdW=50.1
fwW=2.40
sdS=33.9
fwS=2.70
0 0 0 0 0 0 0 0 0


sdN=52.6
fwN=2.41
sdE=273.5
fwE=2.57
20200929T004554.0001.fits
SecZ=1.08
Focus=-5.257
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.844 -5.216 -3.710
T123=1.8 3.1 4.1
ALT/AZ=67.4 -69.7
fwAVG=2.34
sdW=82.7
fwW=2.10
sdS=54.5
fwS=2.29
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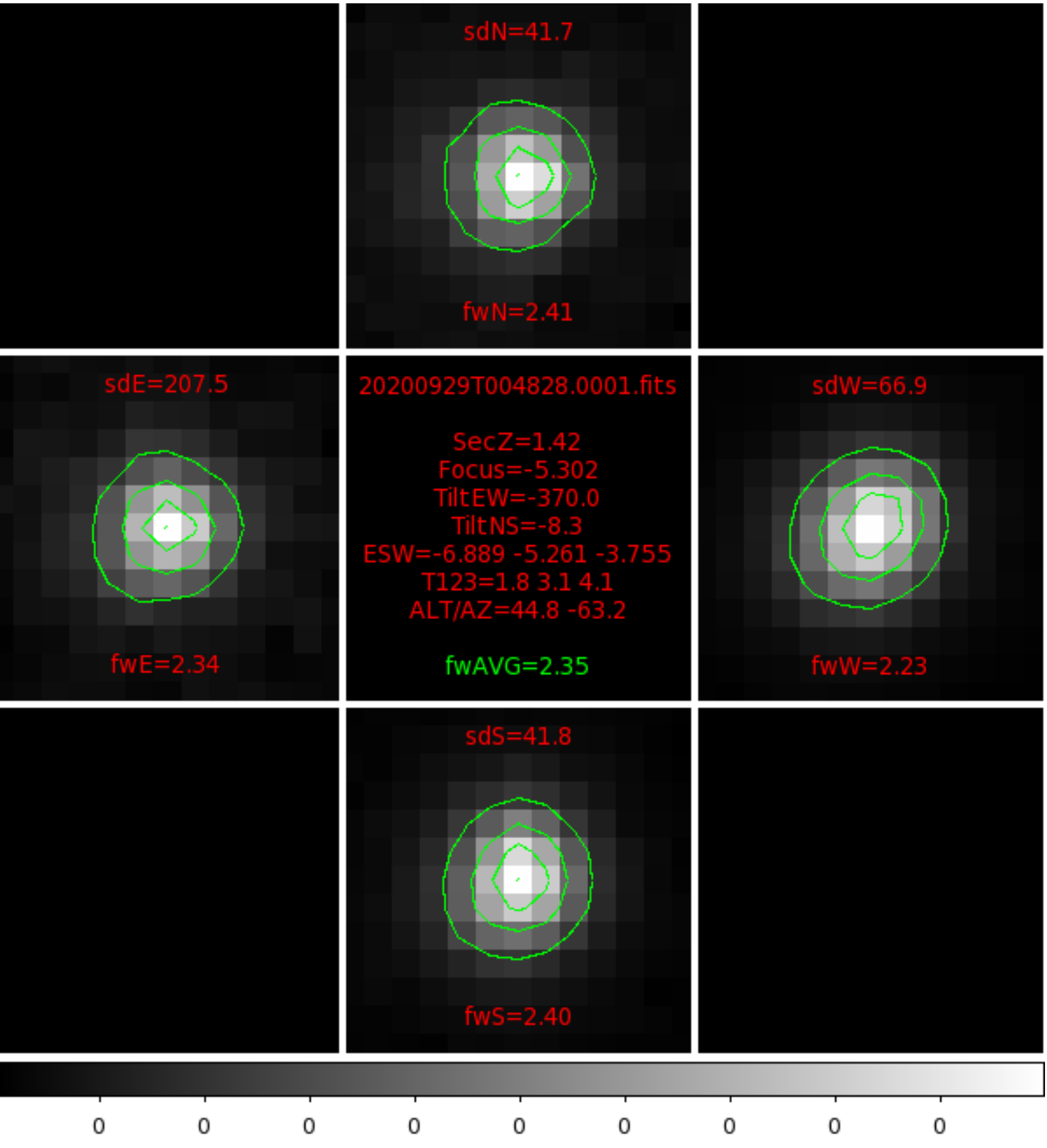
sdN=41.7
fwN=2.41
sdE=207.5
fwE=2.34
20200929T004828.0001.fits
SecZ=1.42
Focus=-5.302
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.889 -5.261 -3.755
T123=1.8 3.1 4.1
ALT/AZ=44.8 -63.2
fwAVG=2.35
sdW=66.9
fwW=2.23
sdS=41.8
fwS=2.40
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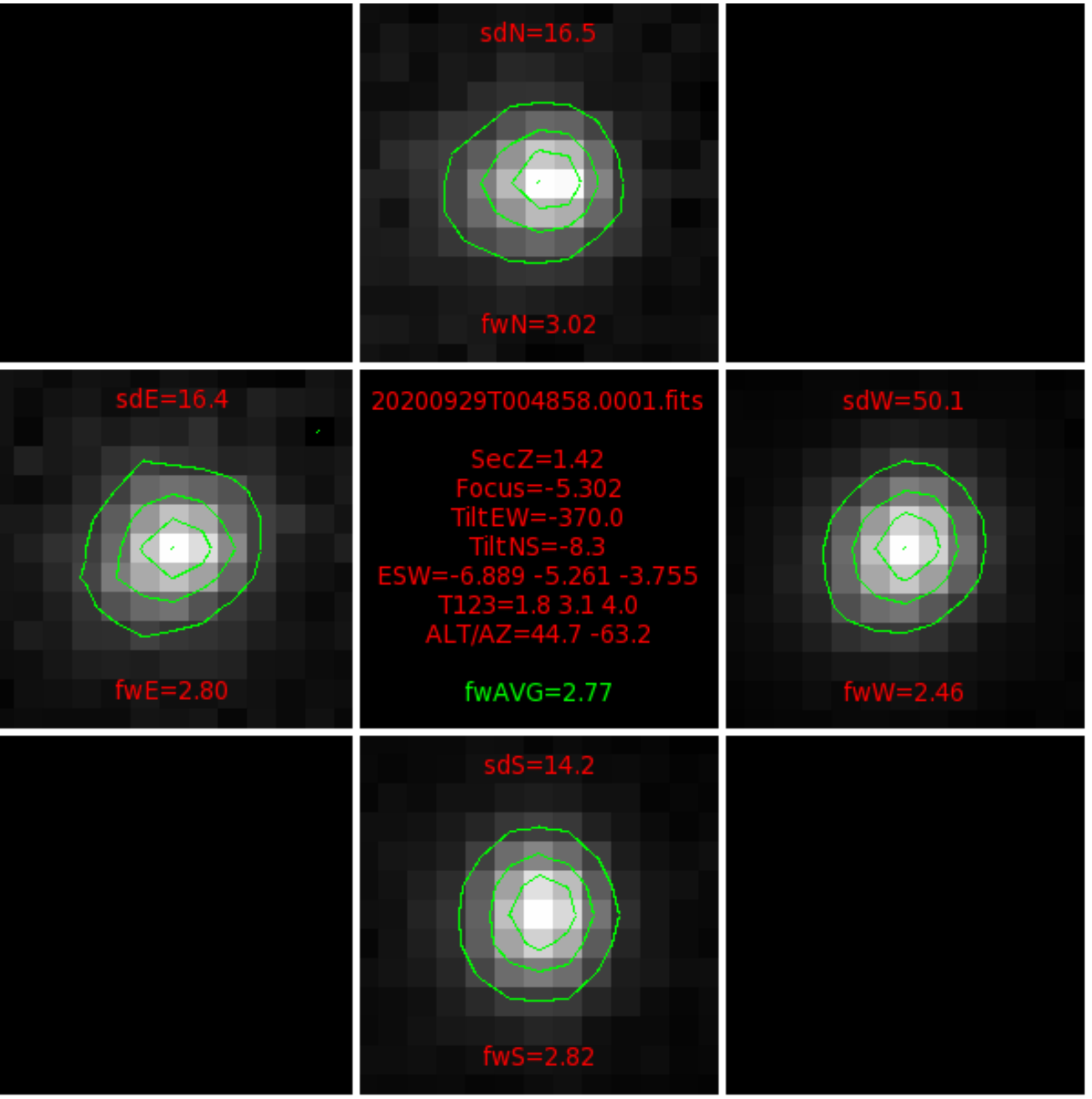
sdN=16.5
fwN=3.02
sdE=16.4
fwE=2.80
20200929T004858.0001.fits
SecZ=1.42
Focus=-5.302
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.889 -5.261 -3.755
T123=1.8 3.1 4.0
ALT/AZ=44.7 -63.2
fwAVG=2.77
sdW=50.1
fwW=2.46
sdS=14.2
fwS=2.82
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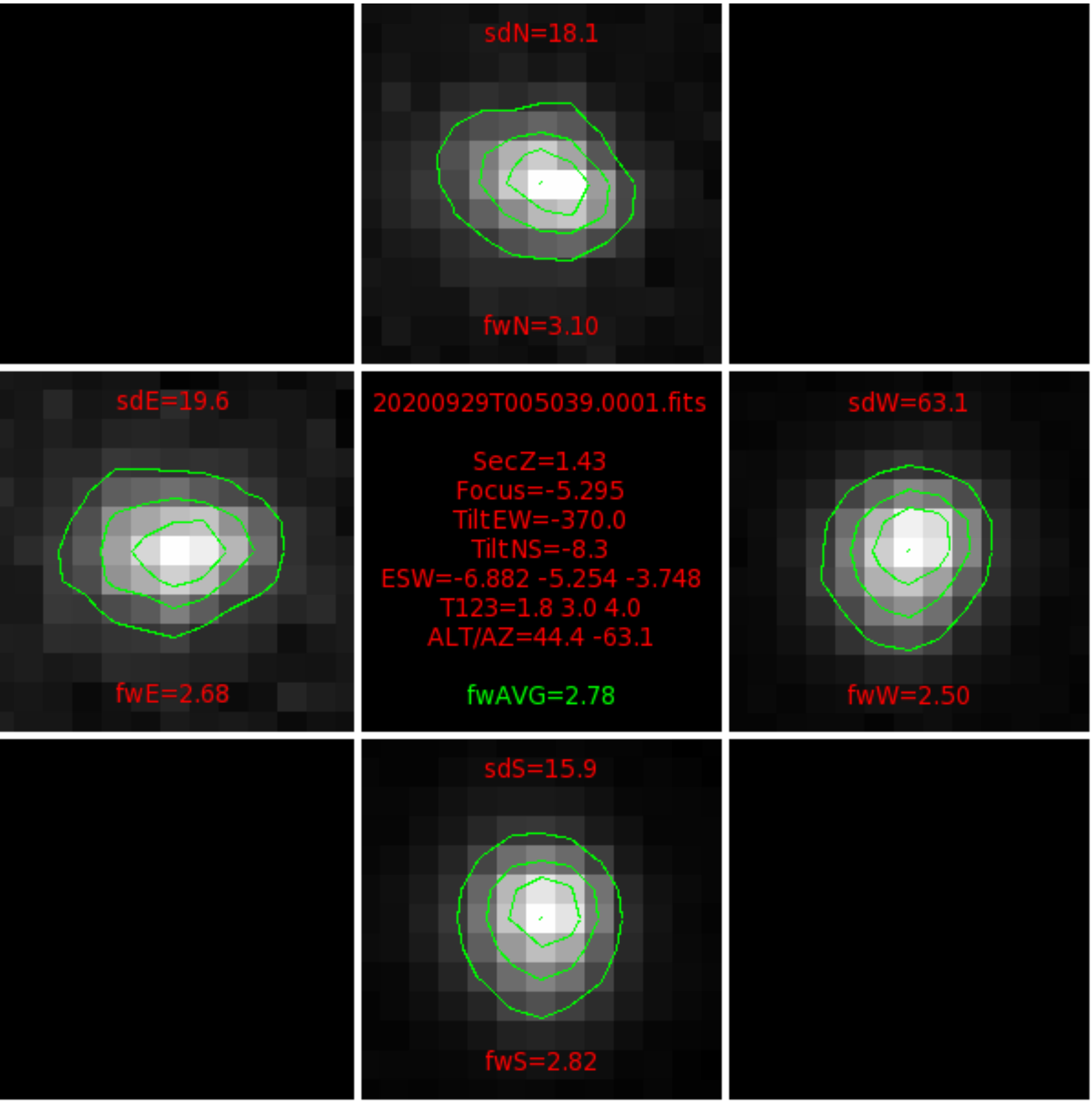
sdN=18.1
fwN=3.10
sdE=19.6
fwE=2.68
20200929T005039.0001.fits
SecZ=1.43
Focus=-5.295
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.882 -5.254 -3.748
T123=1.8 3.0 4.0
ALT/AZ=44.4 -63.1
fwAVG=2.78
sdW=63.1
fwW=2.50
sdS=15.9
fwS=2.82
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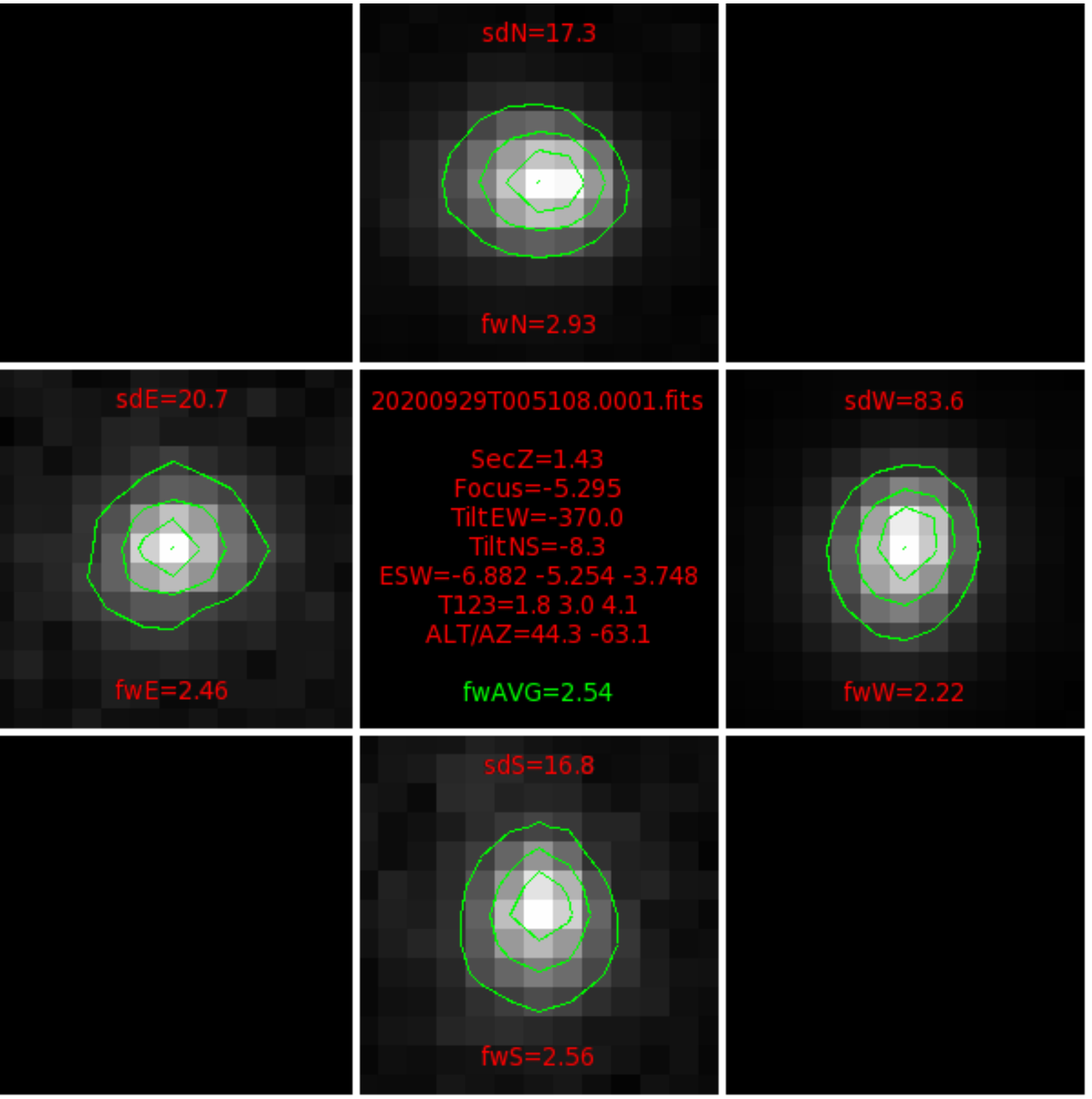
sdN=17.3
fwN=2.93
sdE=20.7
fwE=2.46
20200929T005108.0001.fits
SecZ=1.43
Focus=-5.295
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.882 -5.254 -3.748
T123=1.8 3.0 4.1
ALT/AZ=44.3 -63.1
fwAVG=2.54
sdW=83.6
fwW=2.22
sdS=16.8
fwS=2.56
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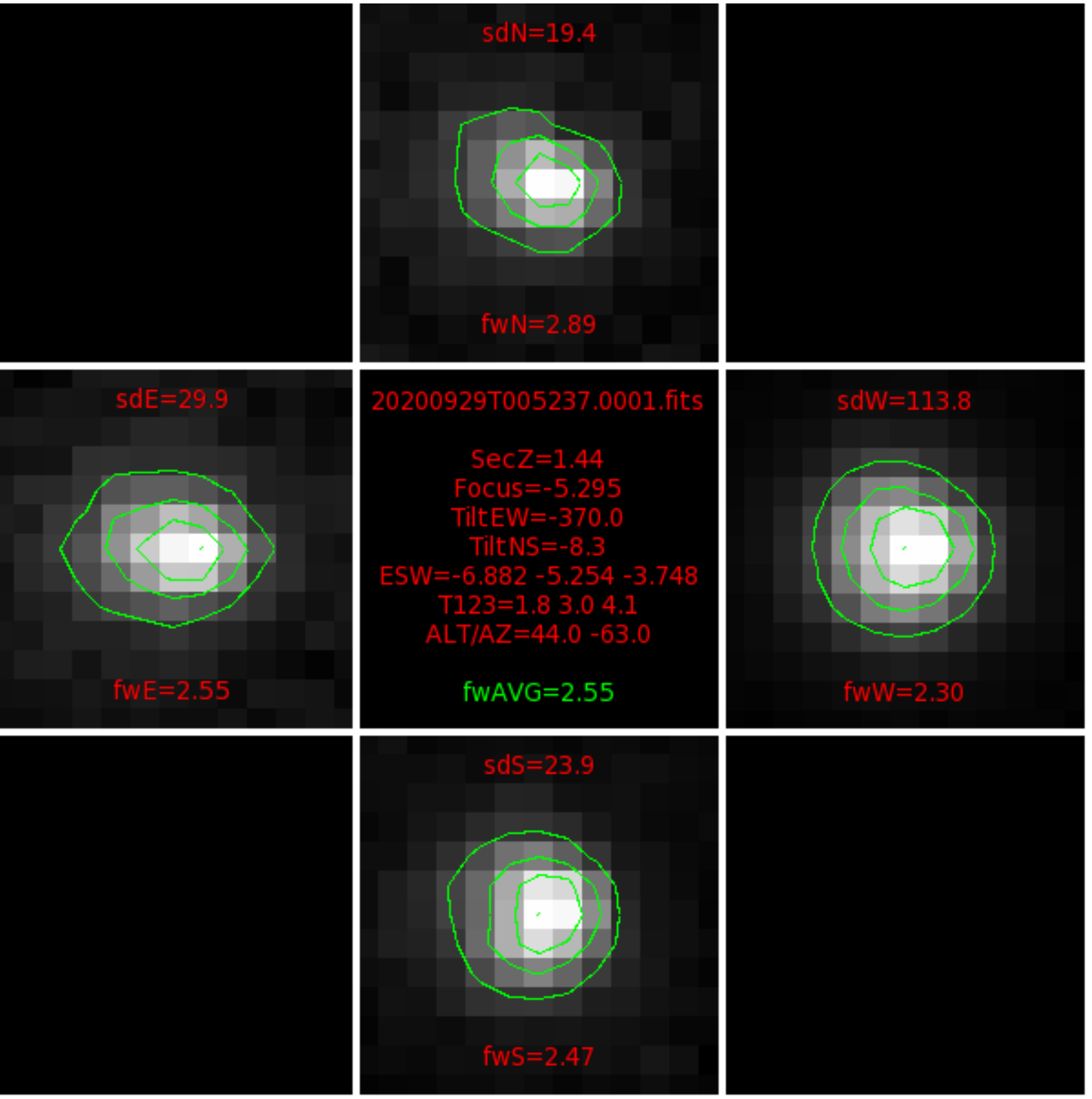
sdN=19.4
fwN=2.89
sdE=29.9
fwE=2.55
20200929T005237.0001.fits
SecZ=1.44
Focus=-5.295
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.882 -5.254 -3.748
T123=1.8 3.0 4.1
ALT/AZ=44.0 -63.0
fwAVG=2.55
sdW=113.8
fwW=2.30
sdS=23.9
fwS=2.47
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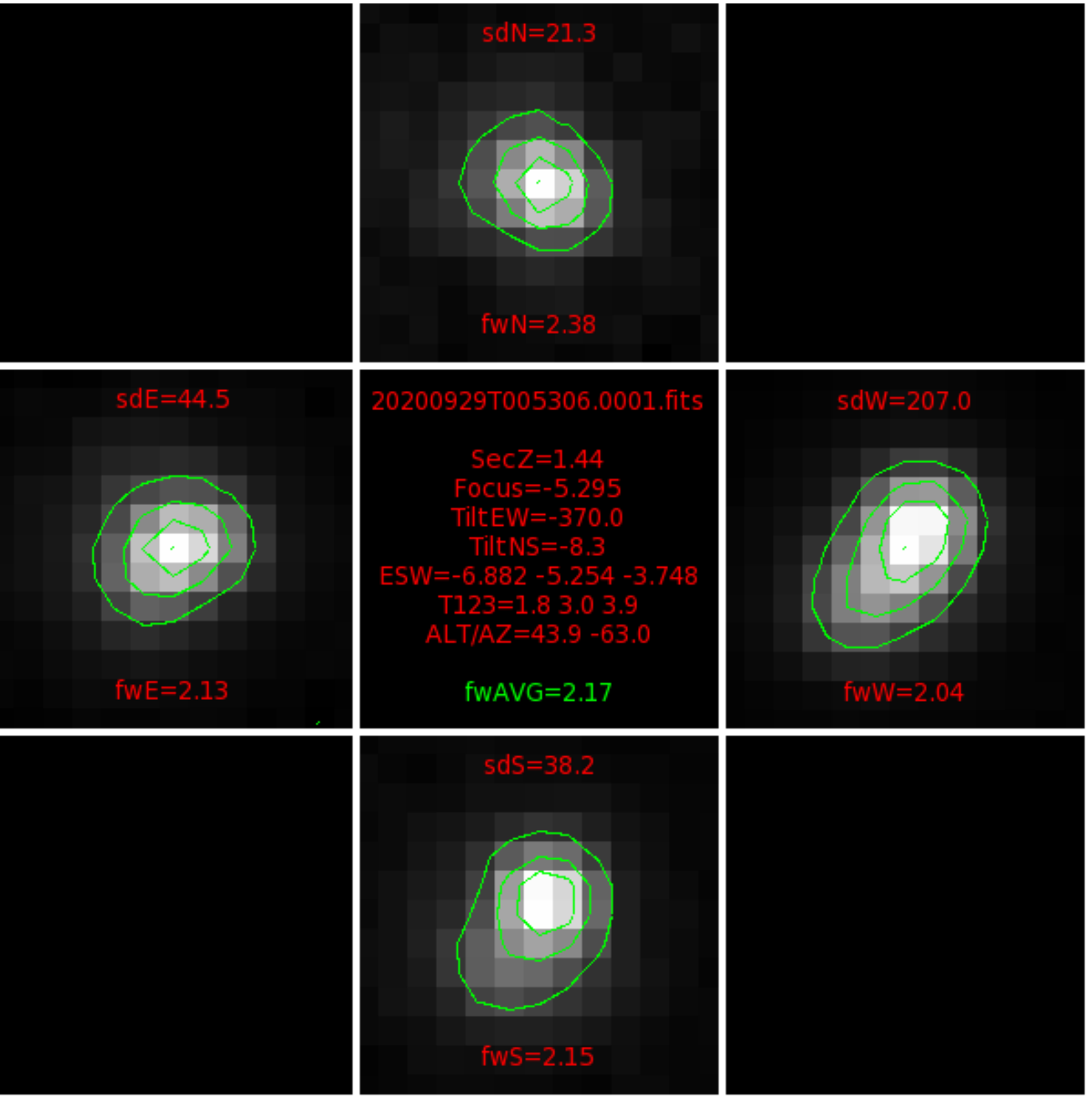
sdN=21.3
fwN=2.38
sdE=44.5
fwE=2.13
20200929T005306.0001.fits
SecZ=1.44
Focus=-5.295
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.882 -5.254 -3.748
T123=1.8 3.0 3.9
ALT/AZ=43.9 -63.0
fwAVG=2.17
sdW=207.0
fwW=2.04
sdS=38.2
fwS=2.15
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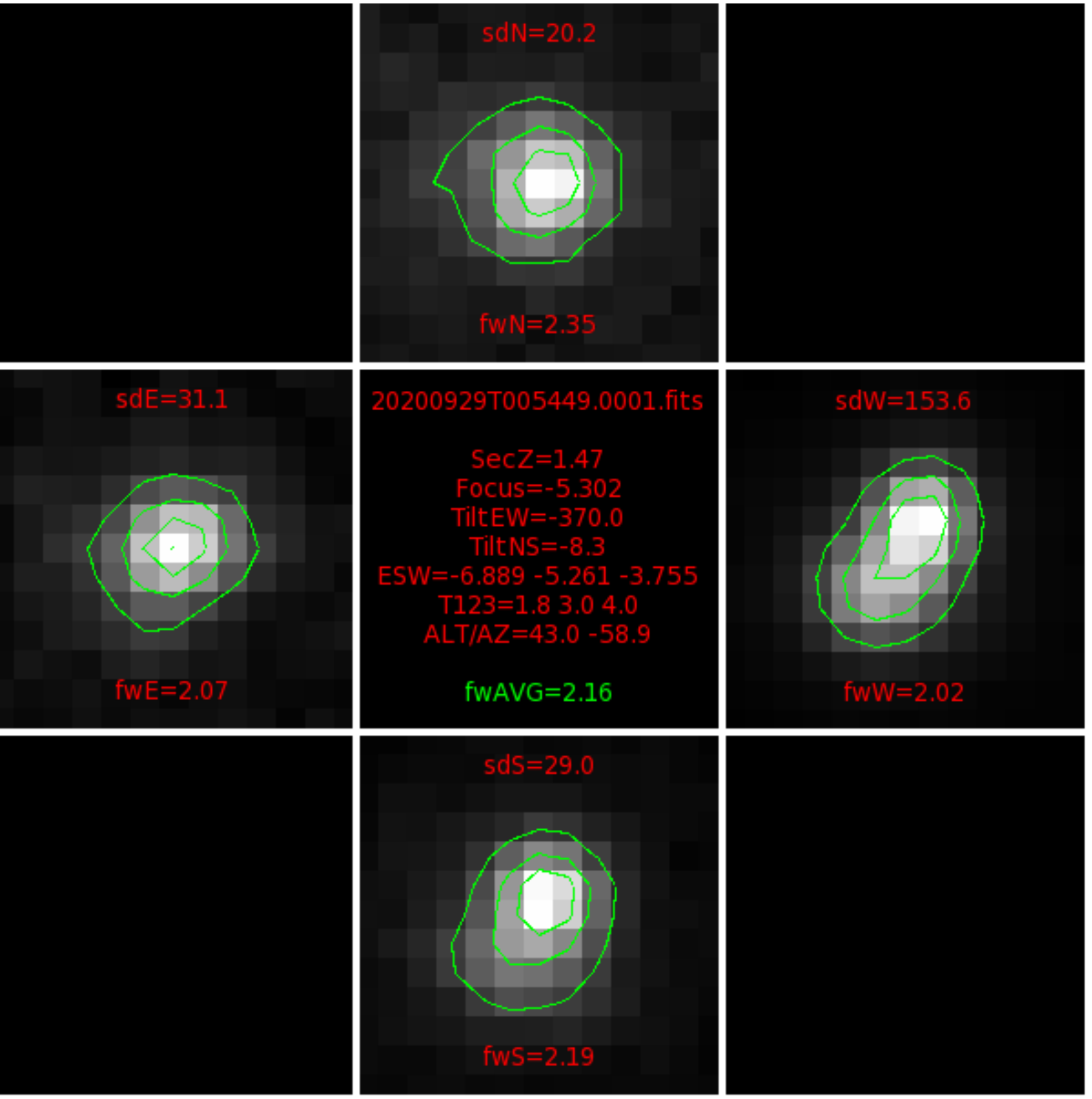
sdN=20.2
fwN=2.35
sdE=31.1
fwE=2.07
20200929T005449.0001.fits
SecZ=1.47
Focus=-5.302
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.889 -5.261 -3.755
T123=1.8 3.0 4.0
ALT/AZ=43.0 -58.9
fwAVG=2.16
sdW=153.6
fwW=2.02
sdS=29.0
fwS=2.19
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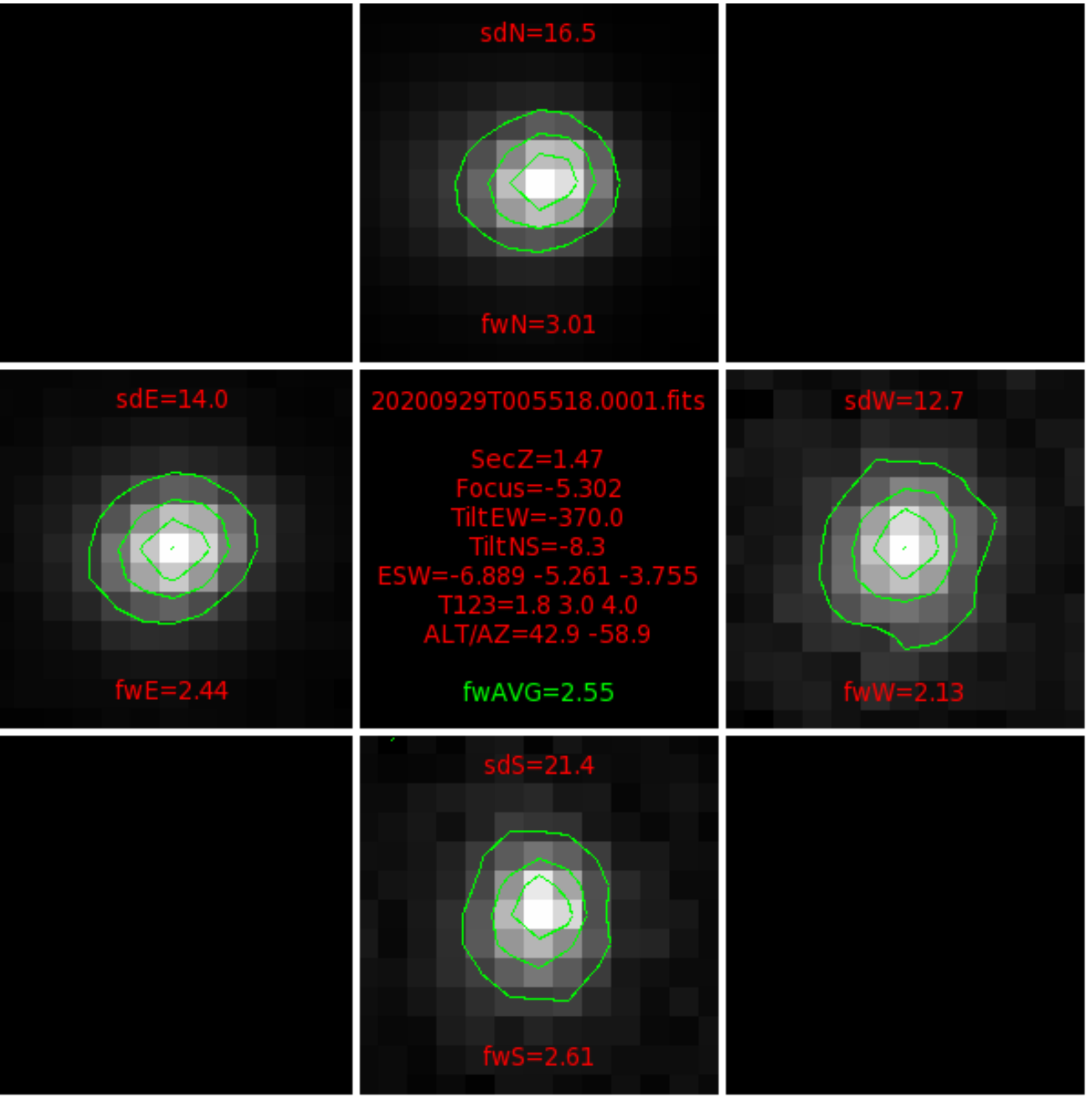
sdN=16.5
fwN=3.01
sdE=14.0
fwE=2.44
20200929T005518.0001.fits
SecZ=1.47
Focus=-5.302
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.889 -5.261 -3.755
T123=1.8 3.0 4.0
ALT/AZ=42.9 -58.9
fwAVG=2.55
sdW=12.7
fwW=2.13
sdS=21.4
fwS=2.61
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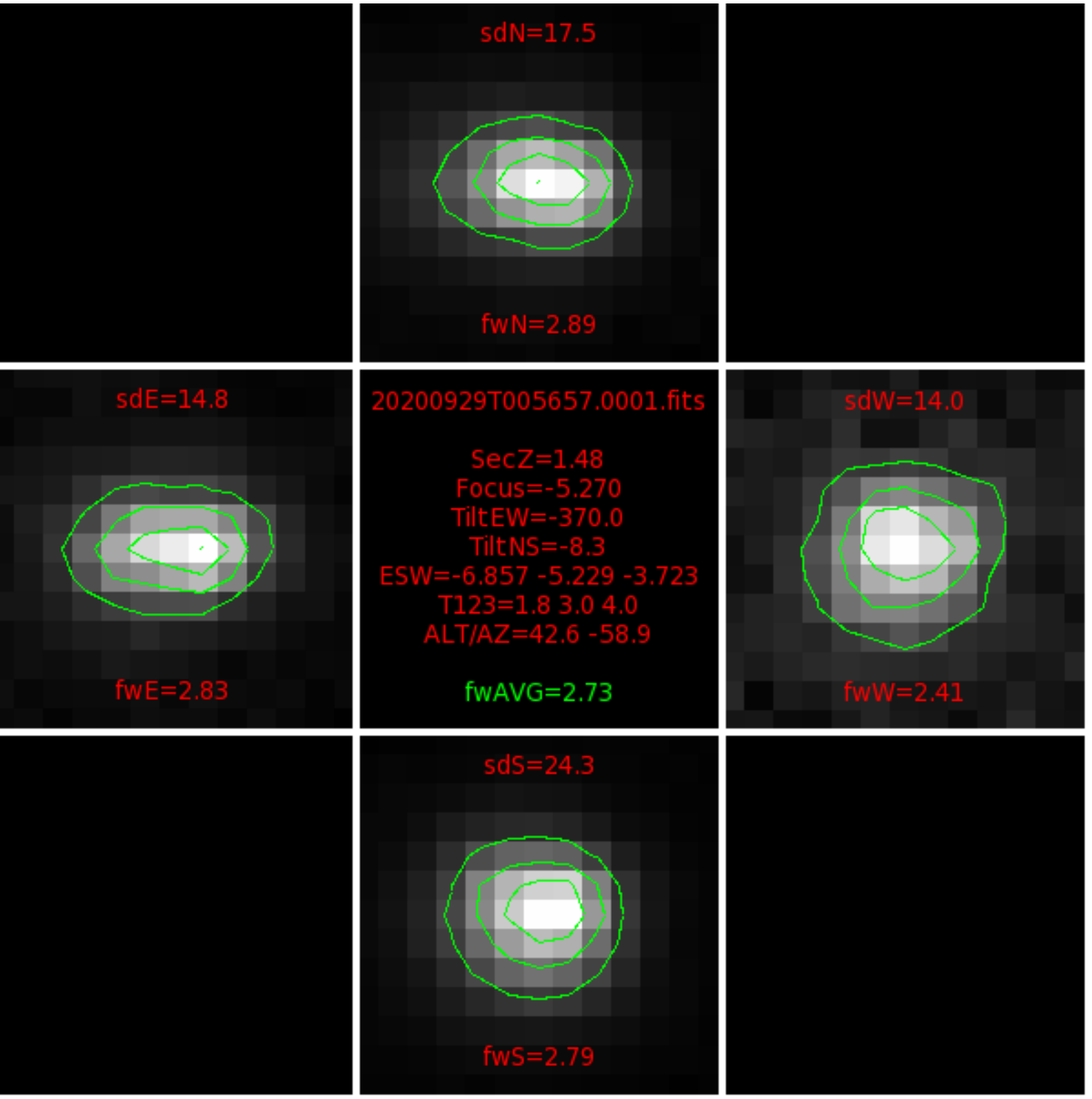
sdN=17.5
fwN=2.89
sdE=14.8
fwE=2.83
20200929T005657.0001.fits
SecZ=1.48
Focus=-5.270
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.857 -5.229 -3.723
T123=1.8 3.0 4.0
ALT/AZ=42.6 -58.9
fwAVG=2.73
sdW=14.0
fwW=2.41
sdS=24.3
fwS=2.79
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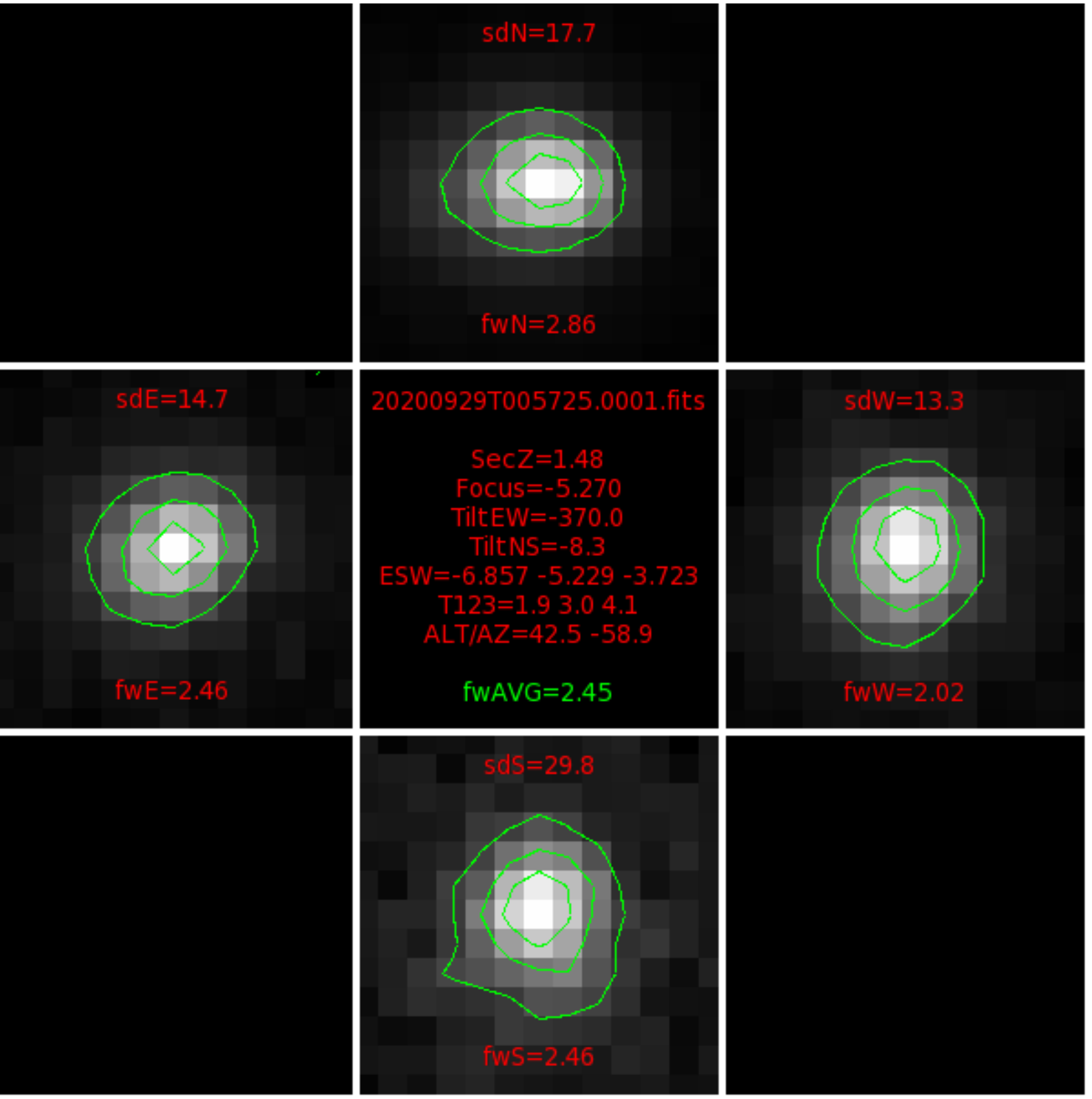
sdN=17.7
fwN=2.86
sdE=14.7
fwE=2.46
20200929T005725.0001.fits
SecZ=1.48
Focus=-5.270
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.857 -5.229 -3.723
T123=1.9 3.0 4.1
ALT/AZ=42.5 -58.9
fwAVG=2.45
sdW=13.3
fwW=2.02
sdS=29.8
fwS=2.46
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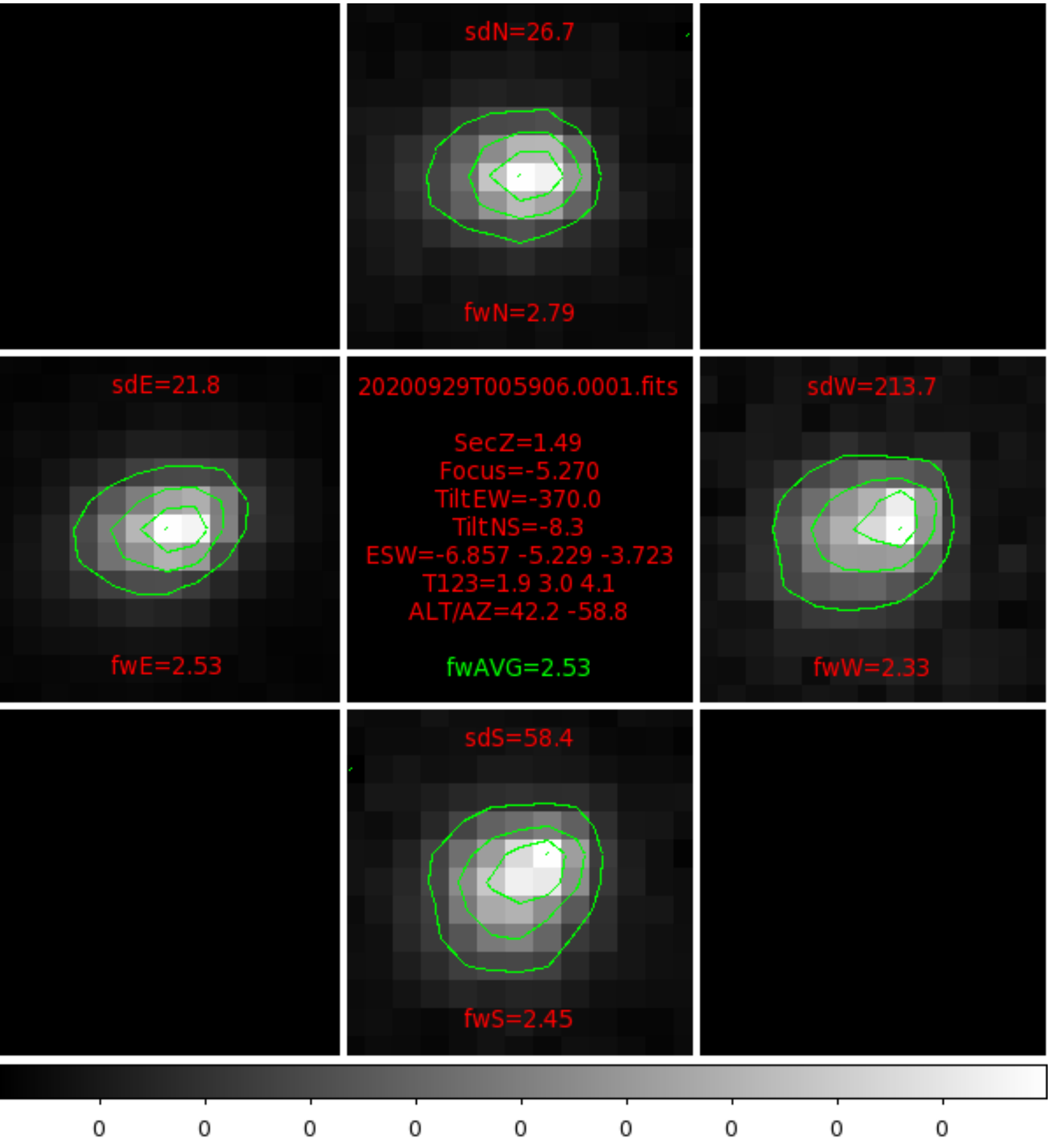
sdN=26.7
fwN=2.79
sdE=21.8
fwE=2.53
20200929T005906.0001.fits
SecZ=1.49
Focus=-5.270
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.857 -5.229 -3.723
T123=1.9 3.0 4.1
ALT/AZ=42.2 -58.8
fwAVG=2.53
sdW=213.7
fwW=2.33
sdS=58.4
fwS=2.45
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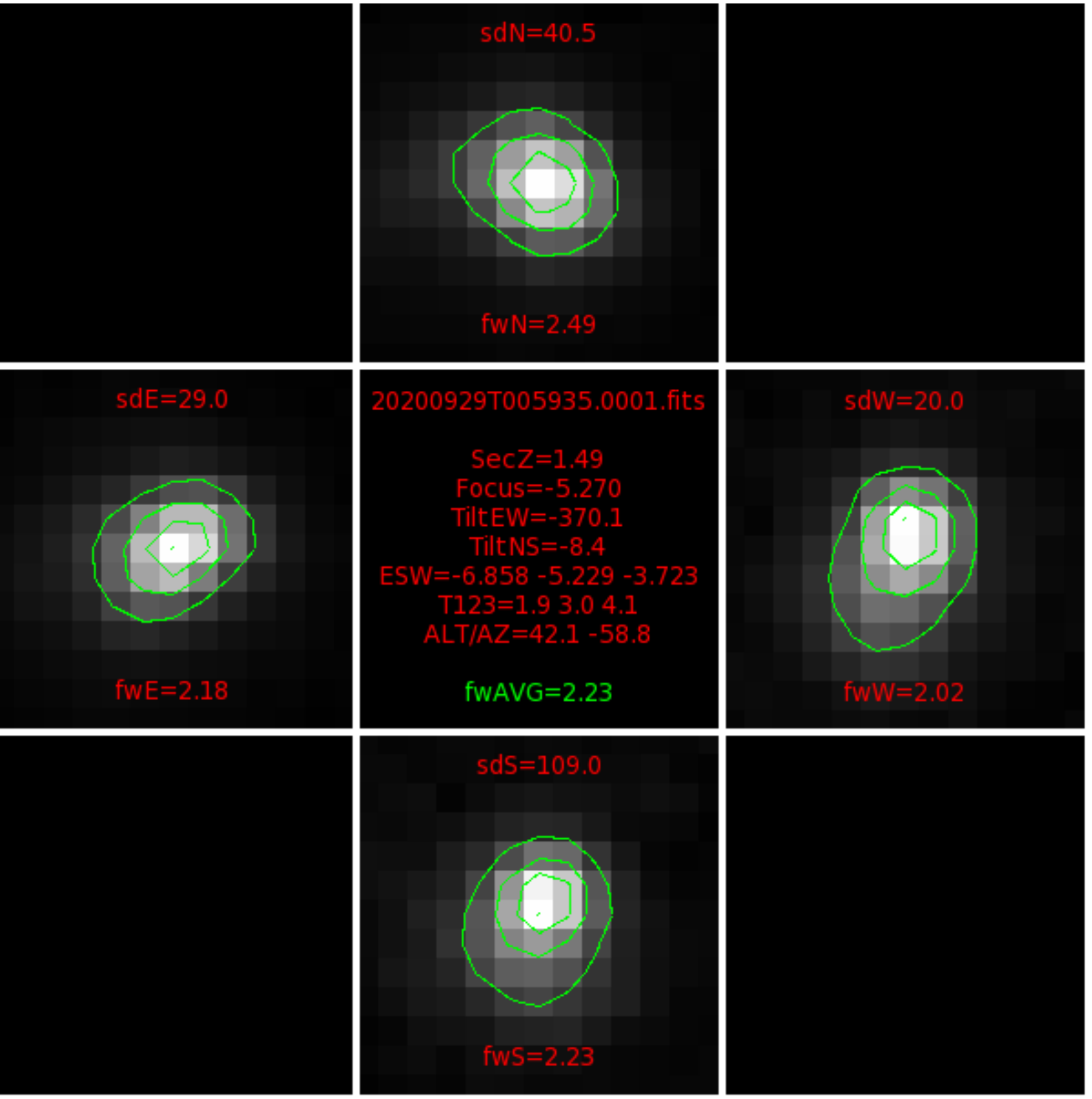
sdN=40.5
fwN=2.49
sdE=29.0
fwE=2.18
20200929T005935.0001.fits
SecZ=1.49
Focus=-5.270
TiltEW=-370.1
TiltNS=-8.4
ESW=-6.858 -5.229 -3.723
T123=1.9 3.0 4.1
ALT/AZ=42.1 -58.8
fwAVG=2.23
sdW=20.0
fwW=2.02
sdS=109.0
fwS=2.23
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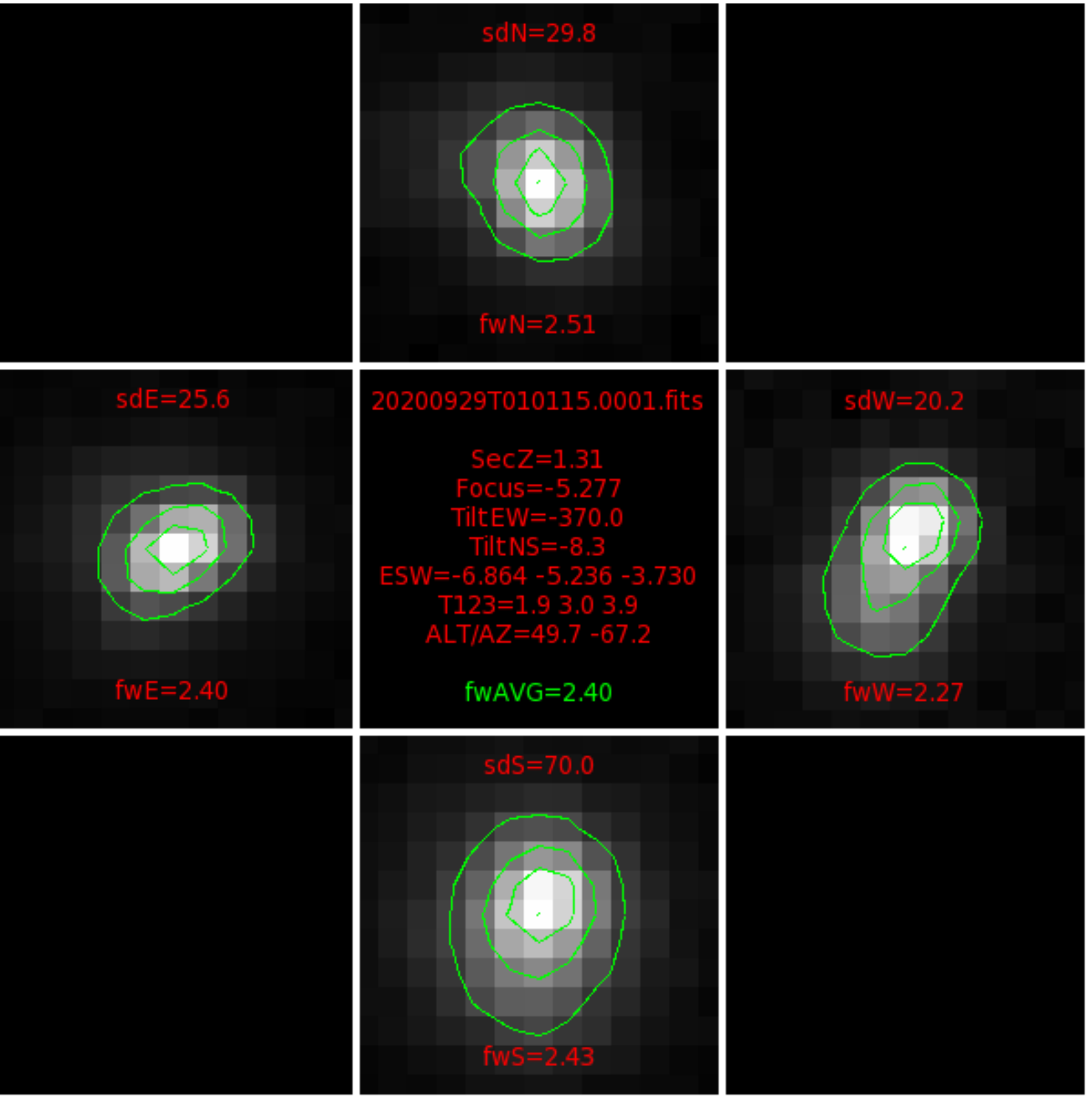
sdN=29.8
fwN=2.51
sdE=25.6
fwE=2.40
20200929T010115.0001.fits
SecZ=1.31
Focus=-5.277
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.864 -5.236 -3.730
T123=1.9 3.0 3.9
ALT/AZ=49.7 -67.2
fwAVG=2.40
sdW=20.2
fwW=2.27
sdS=70.0
fwS=2.43
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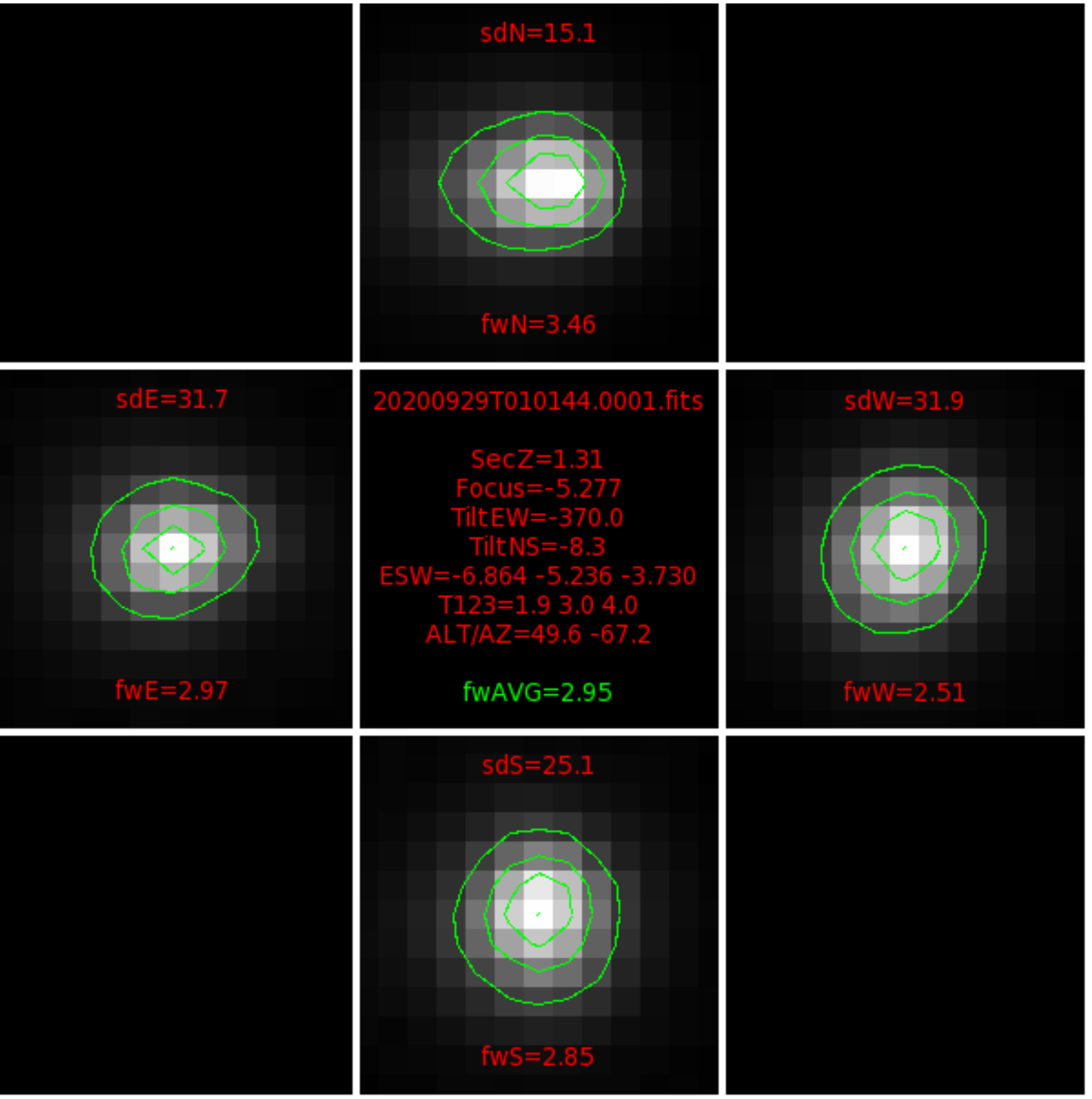
sdN=15.1
fwN=3.46
sdE=31.7
fwE=2.97
20200929T010144.0001.fits
SecZ=1.31
Focus=-5.277
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.864 -5.236 -3.730
T123=1.9 3.0 4.0
ALT/AZ=49.6 -67.2
fwAVG=2.95
sdW=31.9
fwW=2.51
sdS=25.1
fwS=2.85
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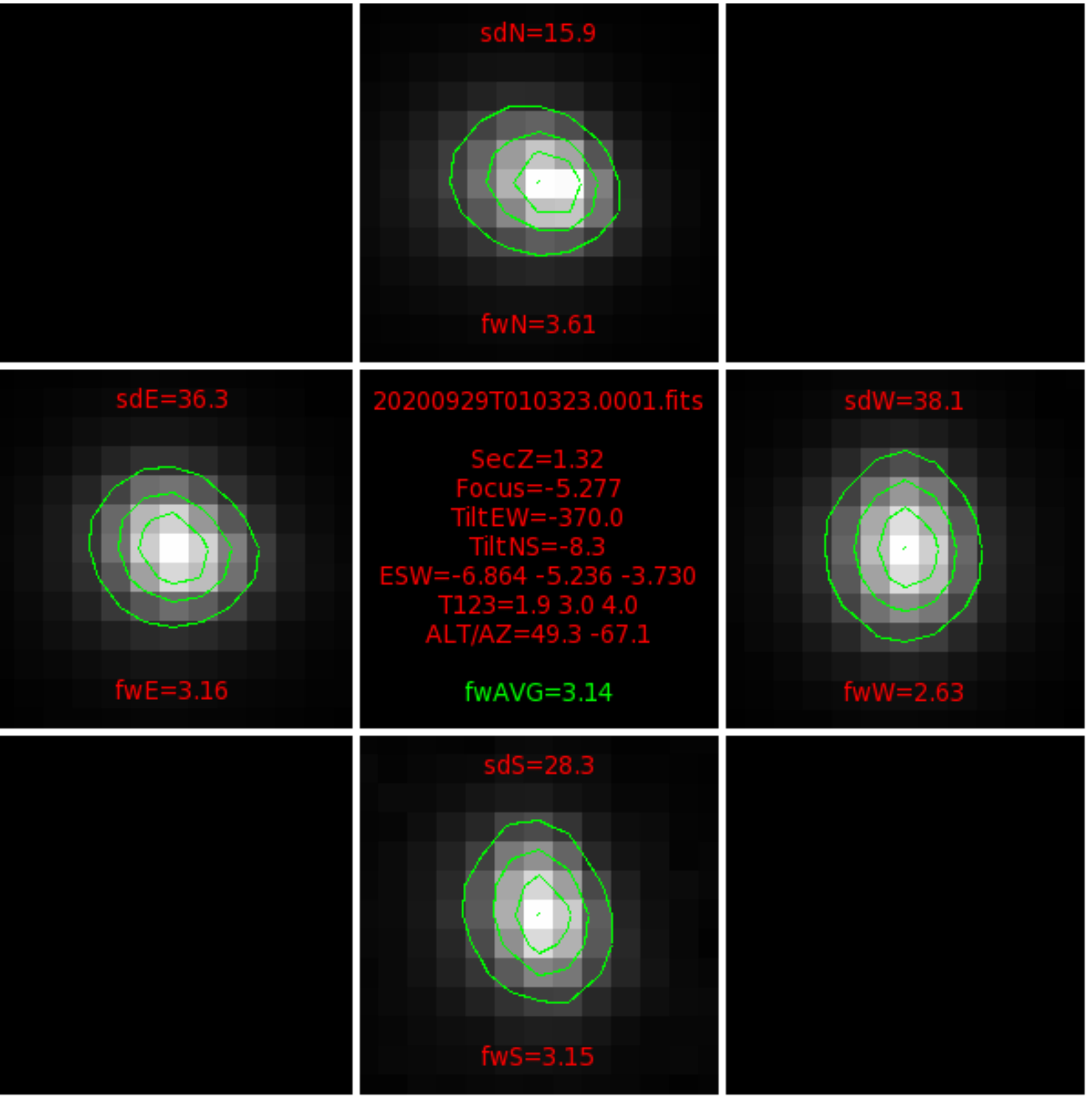
sdN=15.9
fwN=3.61
sdE=36.3
fwE=3.16
20200929T010323.0001.fits
SecZ=1.32
Focus=-5.277
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.864 -5.236 -3.730
T123=1.9 3.0 4.0
ALT/AZ=49.3 -67.1
fwAVG=3.14
sdW=38.1
fwW=2.63
sdS=28.3
fwS=3.15
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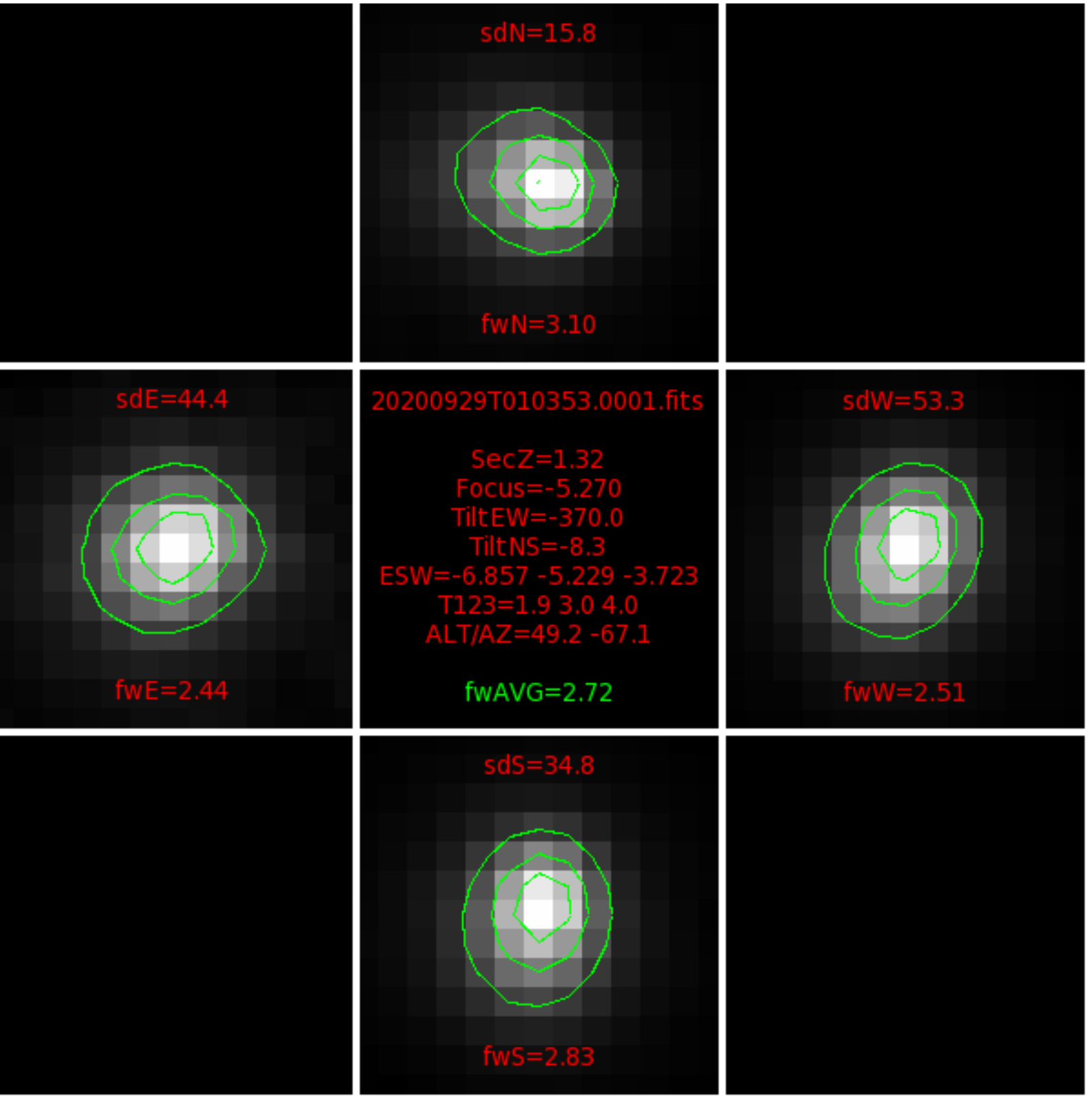
sdN=15.8
fwN=3.10
sdE=44.4
fwE=2.44
20200929T010353.0001.fits
SecZ=1.32
Focus=-5.270
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.857 -5.229 -3.723
T123=1.9 3.0 4.0
ALT/AZ=49.2 -67.1
fwAVG=2.72
sdW=53.3
fwW=2.51
sdS=34.8
fwS=2.83
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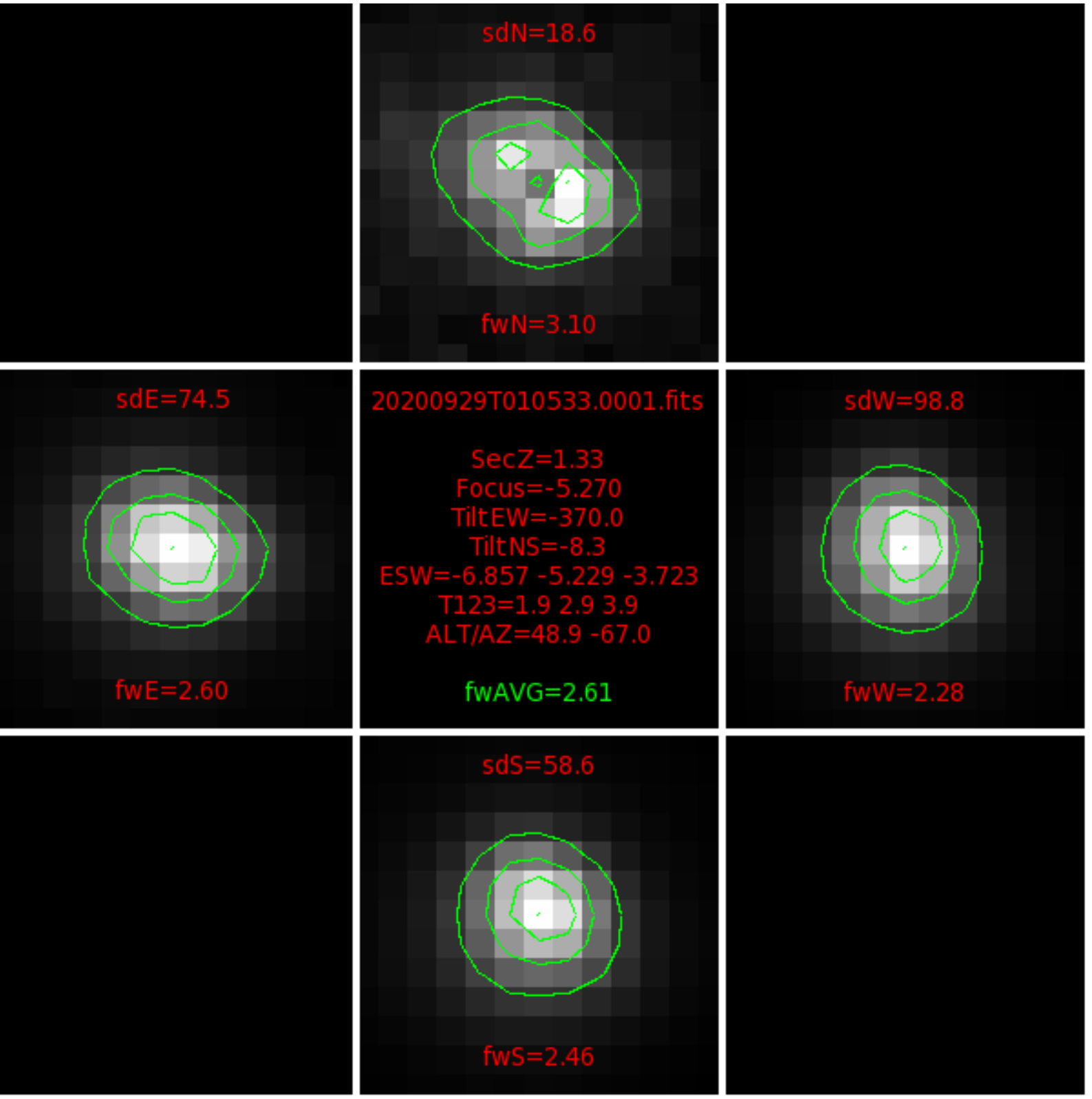
sdN=18.6
fwN=3.10
sdE=74.5
fwE=2.60
20200929T010533.0001.fits
SecZ=1.33
Focus=-5.270
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.857 -5.229 -3.723
T123=1.9 2.9 3.9
ALT/AZ=48.9 -67.0
fwAVG=2.61
sdW=98.8
fwW=2.28
sdS=58.6
fwS=2.46
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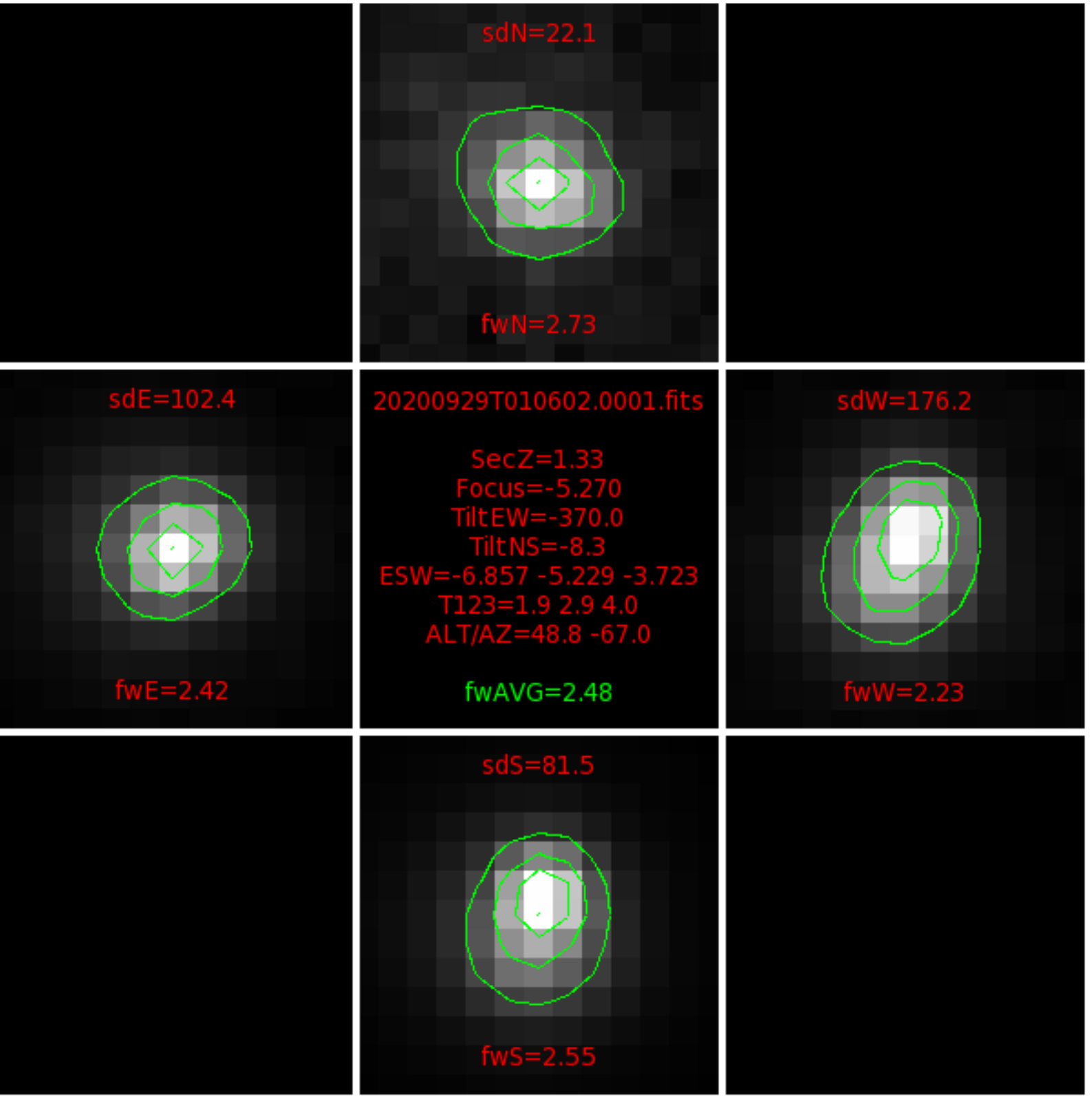
sdN=22.1
fwN=2.73
sdE=102.4
fwE=2.42
20200929T010602.0001.fits
SecZ=1.33
Focus=-5.270
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.857 -5.229 -3.723
T123=1.9 2.9 4.0
ALT/AZ=48.8 -67.0
fwAVG=2.48
sdW=176.2
fwW=2.23
sdS=81.5
fwS=2.55
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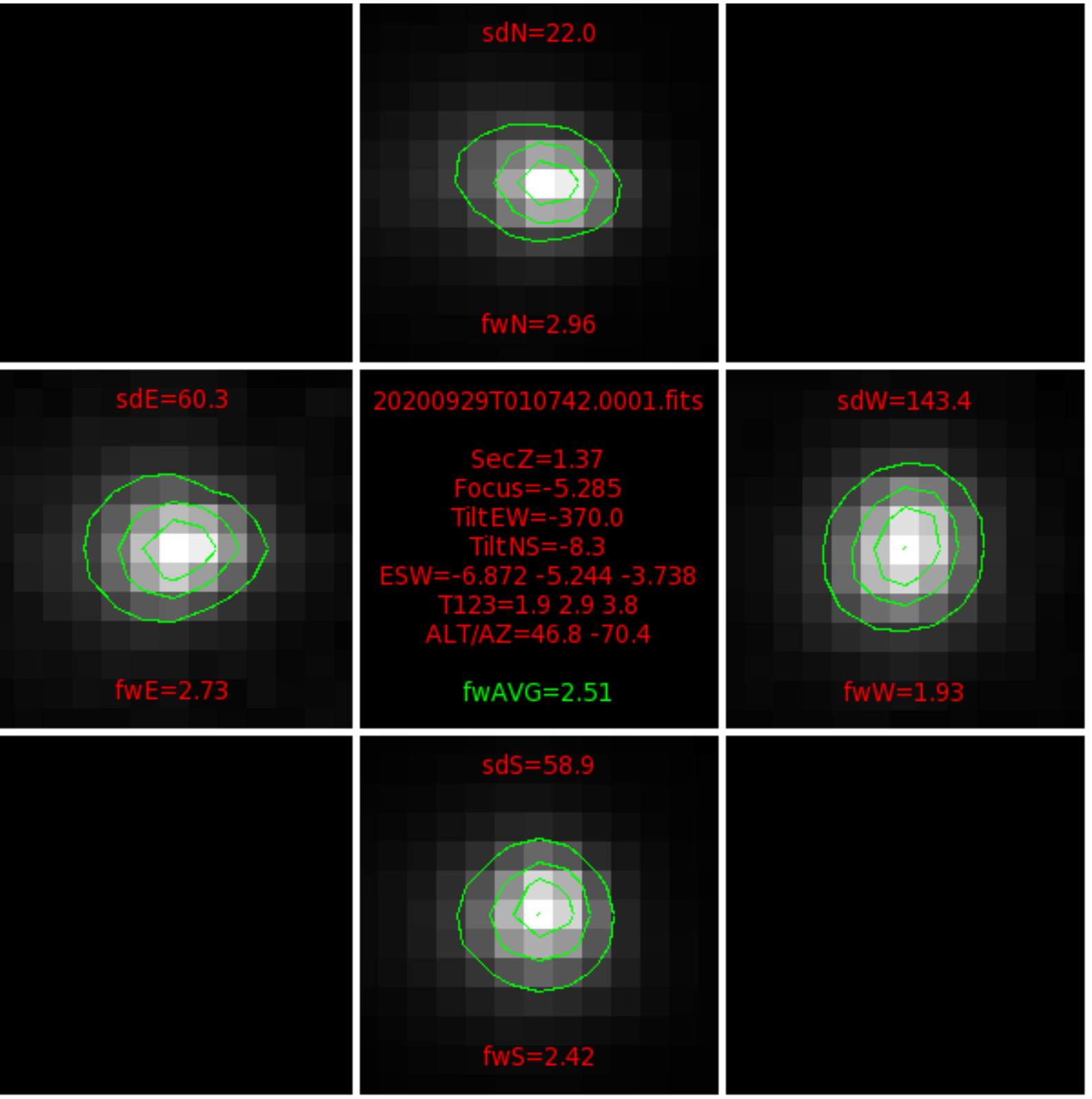
sdN=22.0
fwN=2.96
sdE=60.3
fwE=2.73
20200929T010742.0001.fits
SecZ=1.37
Focus=-5.285
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.872 -5.244 -3.738
T123=1.9 2.9 3.8
ALT/AZ=46.8 -70.4
fwAVG=2.51
sdW=143.4
fwW=1.93
sdS=58.9
fwS=2.42
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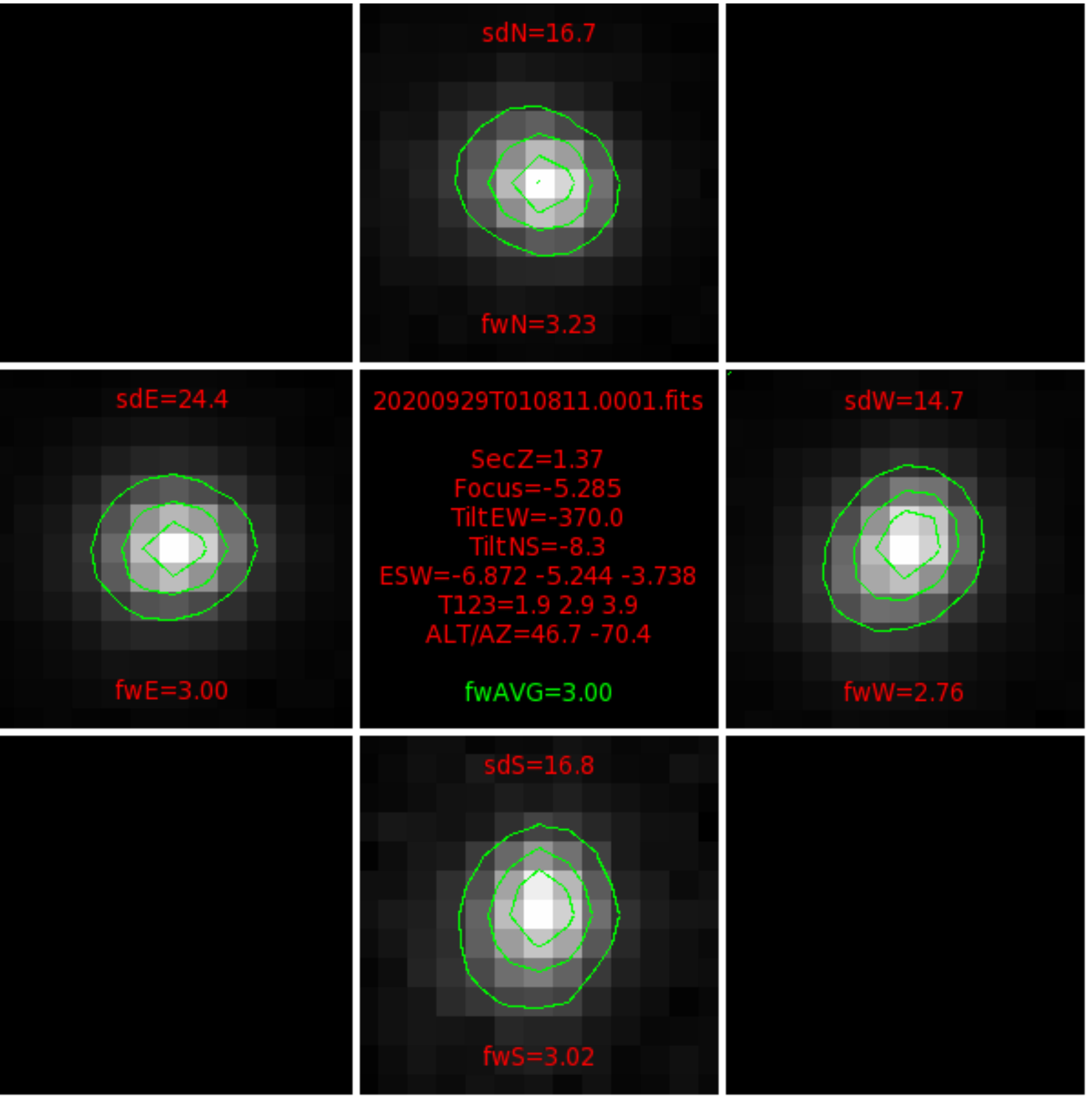
sdN=16.7
fwN=3.23
sdE=24.4
fwE=3.00
20200929T010811.0001.fits
SecZ=1.37
Focus=-5.285
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.872 -5.244 -3.738
T123=1.9 2.9 3.9
ALT/AZ=46.7 -70.4
fwAVG=3.00
sdW=14.7
fwW=2.76
sdS=16.8
fwS=3.02
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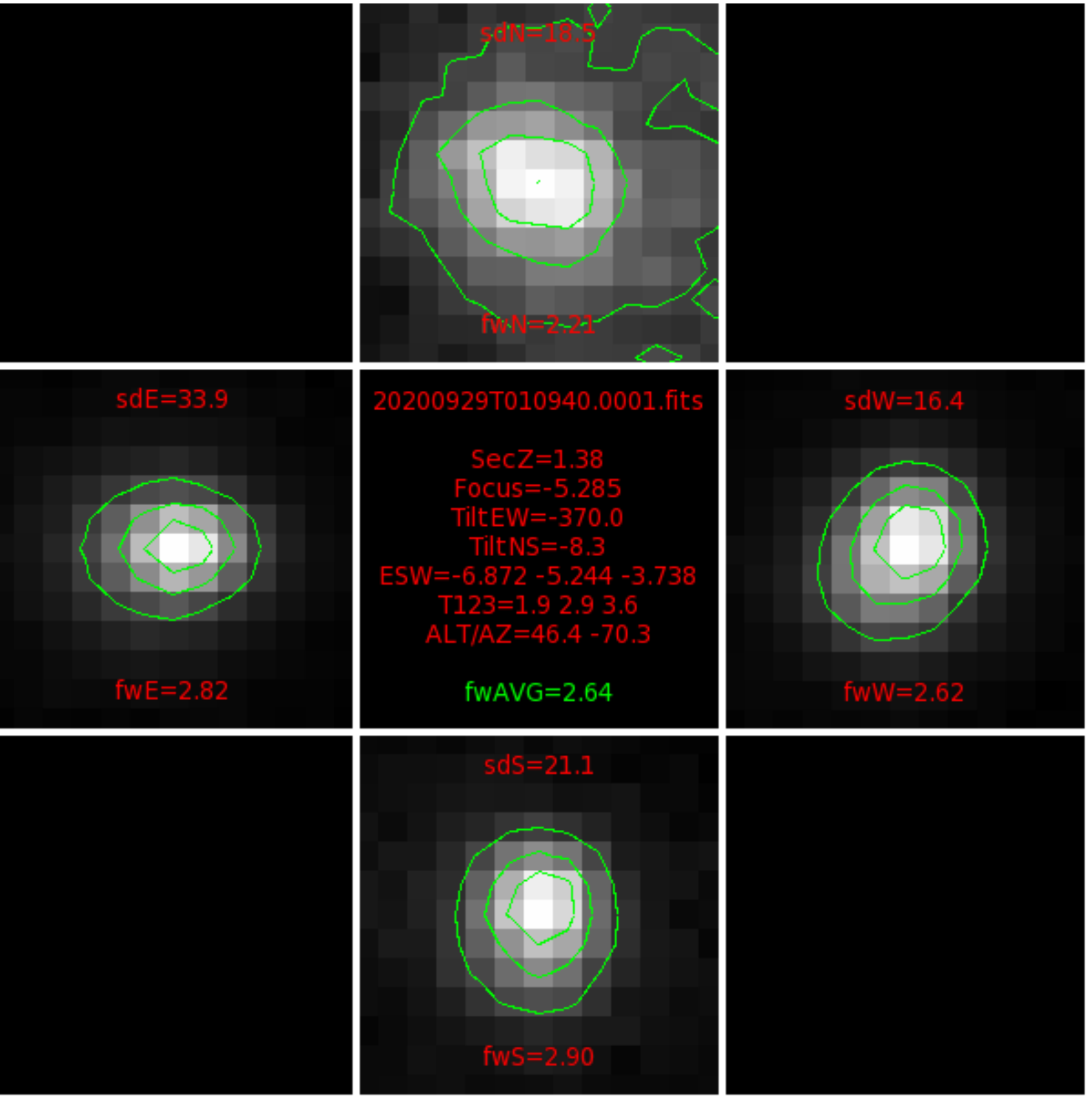
sdN=18.5
fwN=2.21
sdE=33.9
20200929T010940.0001.fits
SecZ=1.38
Focus=-5.285
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.872 -5.244 -3.738
T123=1.9 2.9 3.6
ALT/AZ=46.4 -70.3
fwAVG=2.64
sdW=16.4
fwE=2.82
fwW=2.62
sdS=21.1
fwS=2.90
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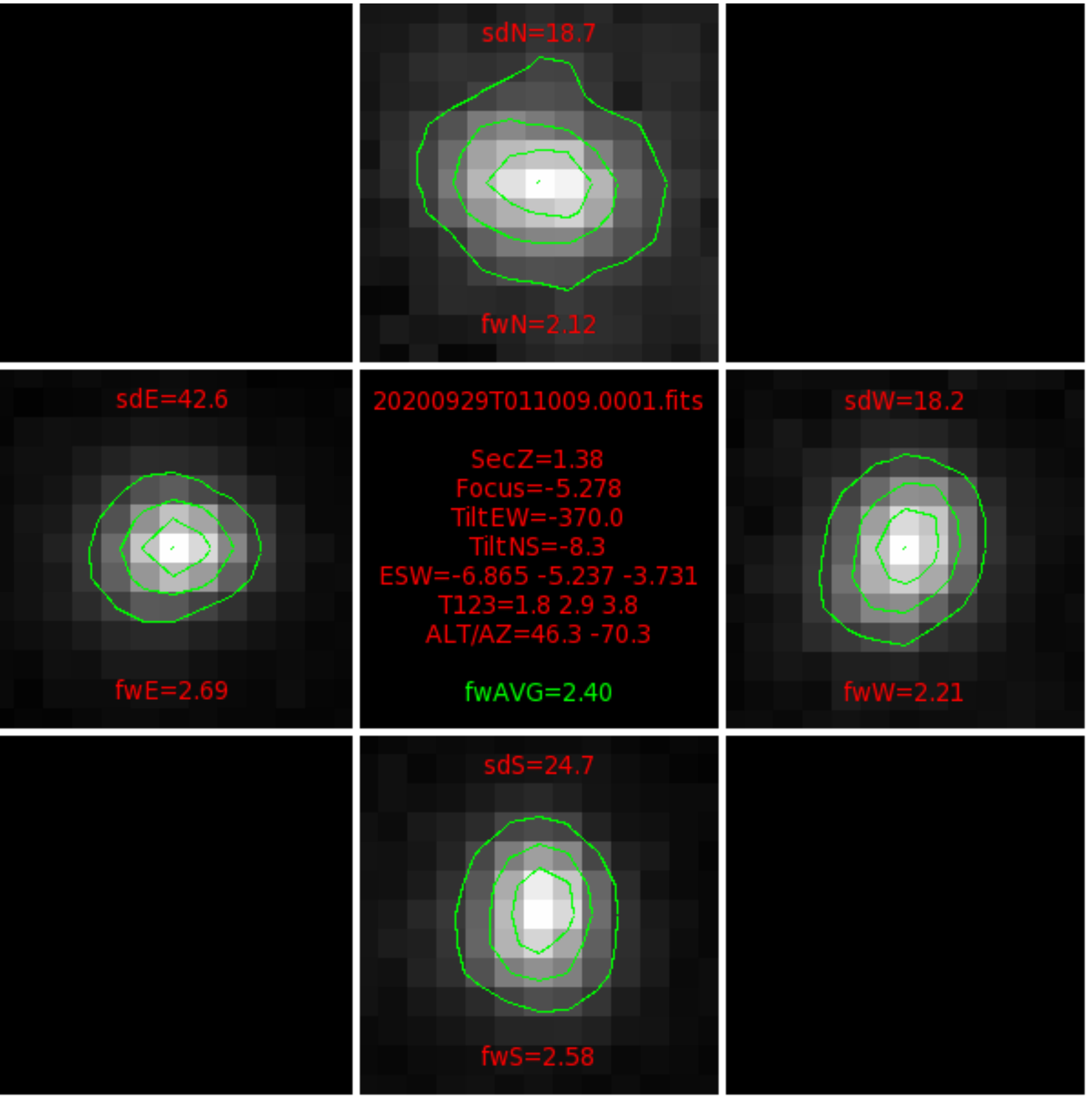
sdN=18.7
fwN=2.12
sdE=42.6
fwE=2.69
20200929T011009.0001.fits
SecZ=1.38
Focus=-5.278
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.865 -5.237 -3.731
T123=1.8 2.9 3.8
ALT/AZ=46.3 -70.3
fwAVG=2.40
sdW=18.2
fwW=2.21
sdS=24.7
fwS=2.58
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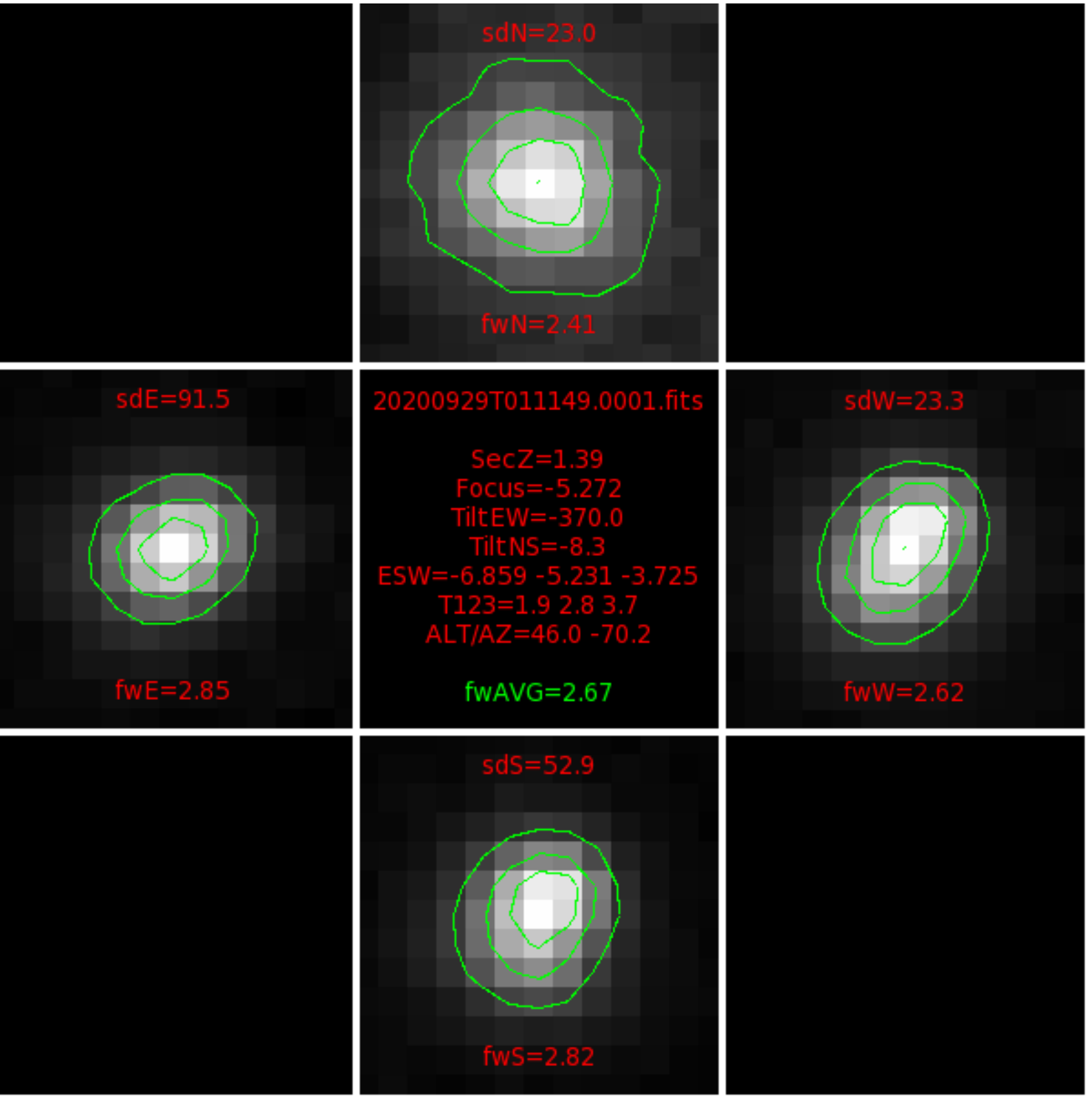
sdN=23.0
fwN=2.41
sdE=91.5
fwE=2.85
20200929T011149.0001.fits
SecZ=1.39
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.9 2.8 3.7
ALT/AZ=46.0 -70.2
fwAVG=2.67
sdW=23.3
fwW=2.62
sdS=52.9
fwS=2.82
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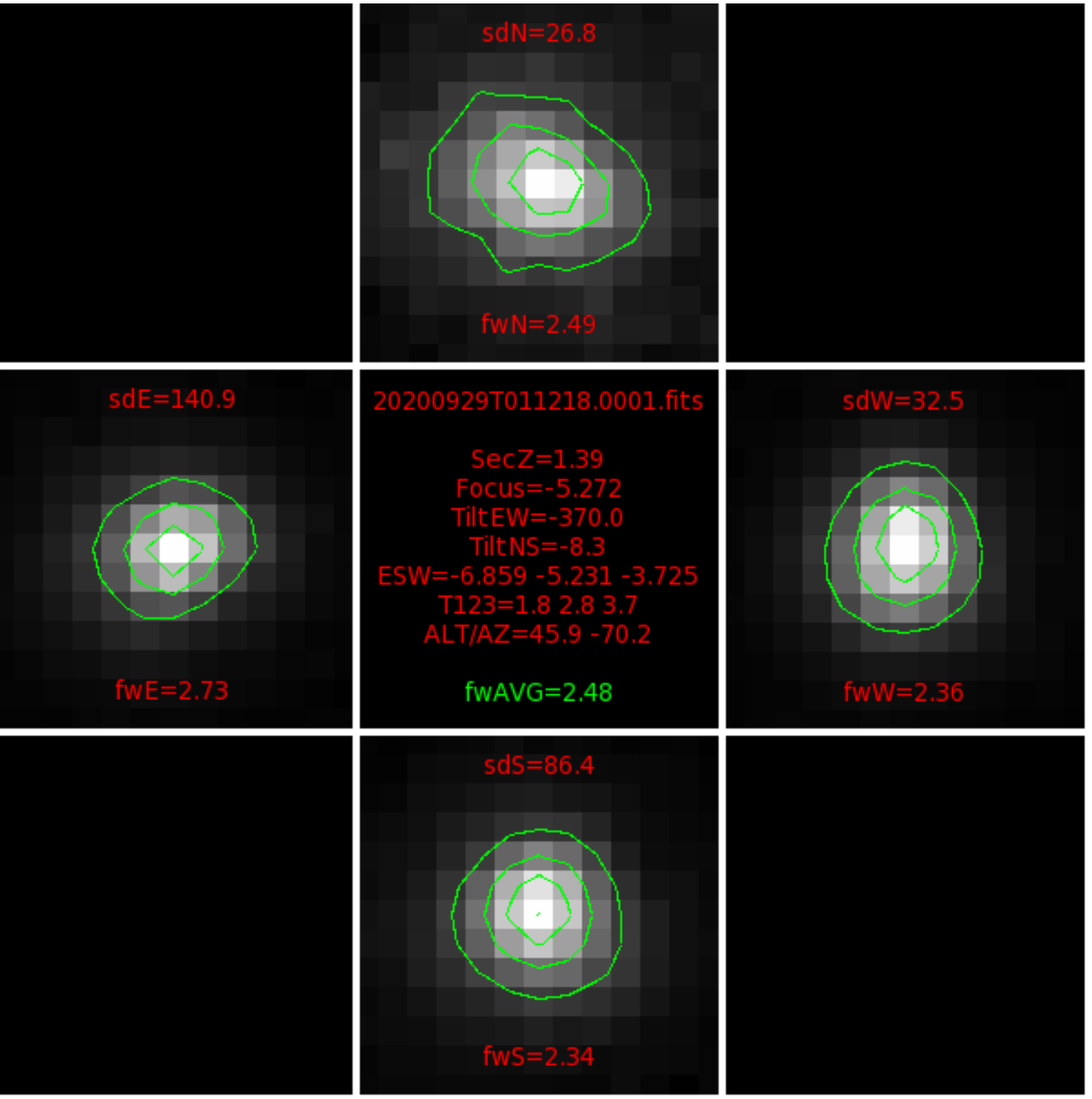
sdN=26.8
fwN=2.49
sdE=140.9
fwE=2.73
20200929T011218.0001.fits
SecZ=1.39
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.8 2.8 3.7
ALT/AZ=45.9 -70.2
fwAVG=2.48
sdW=32.5
fwW=2.36
sdS=86.4
fwS=2.34
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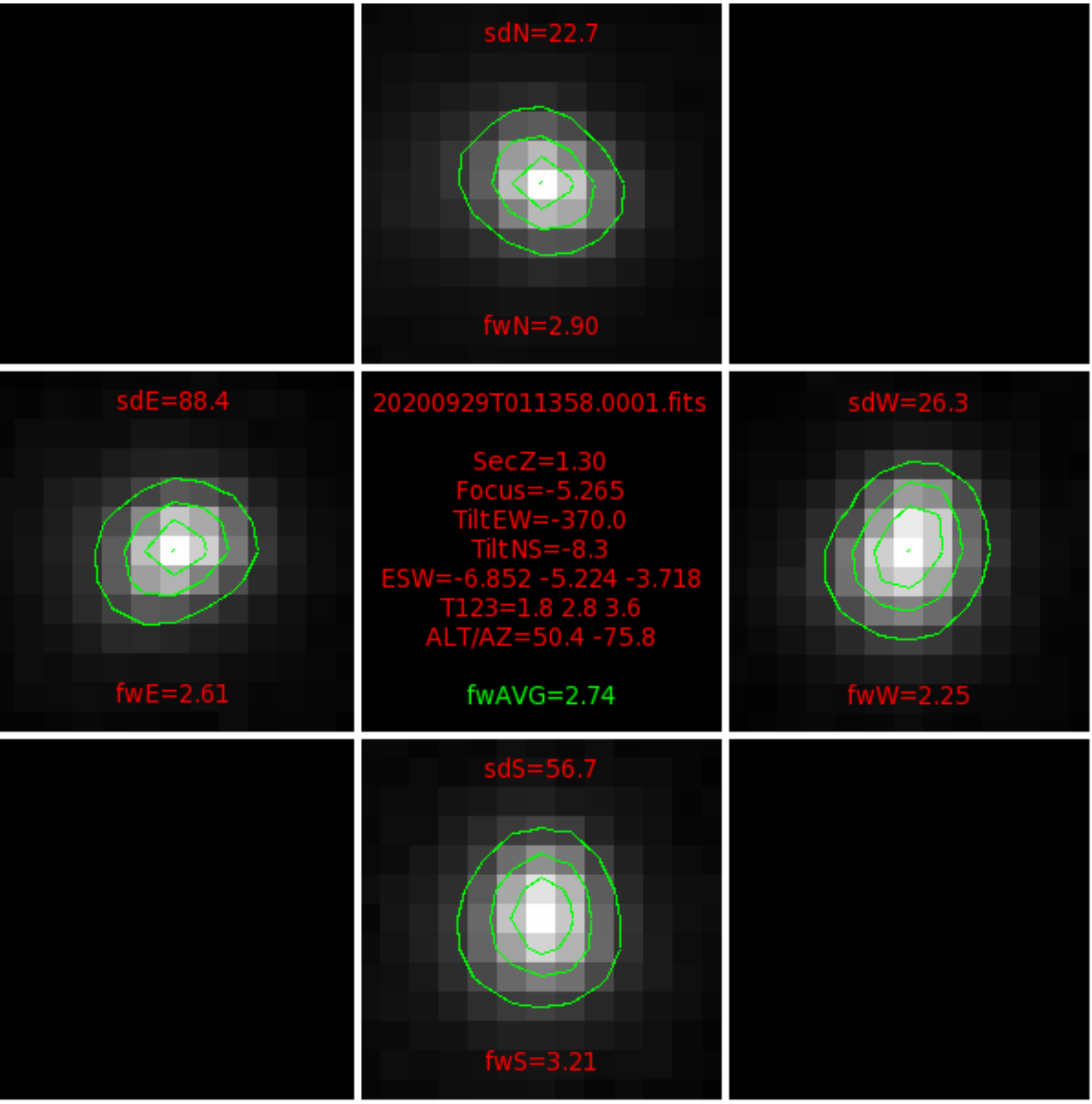
sdN=22.7
fwN=2.90
sdE=88.4
fwE=2.61
20200929T011358.0001.fits
SecZ=1.30
Focus=-5.265
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.852 -5.224 -3.718
T123=1.8 2.8 3.6
ALT/AZ=50.4 -75.8
fwAVG=2.74
sdW=26.3
fwW=2.25
sdS=56.7
fwS=3.21
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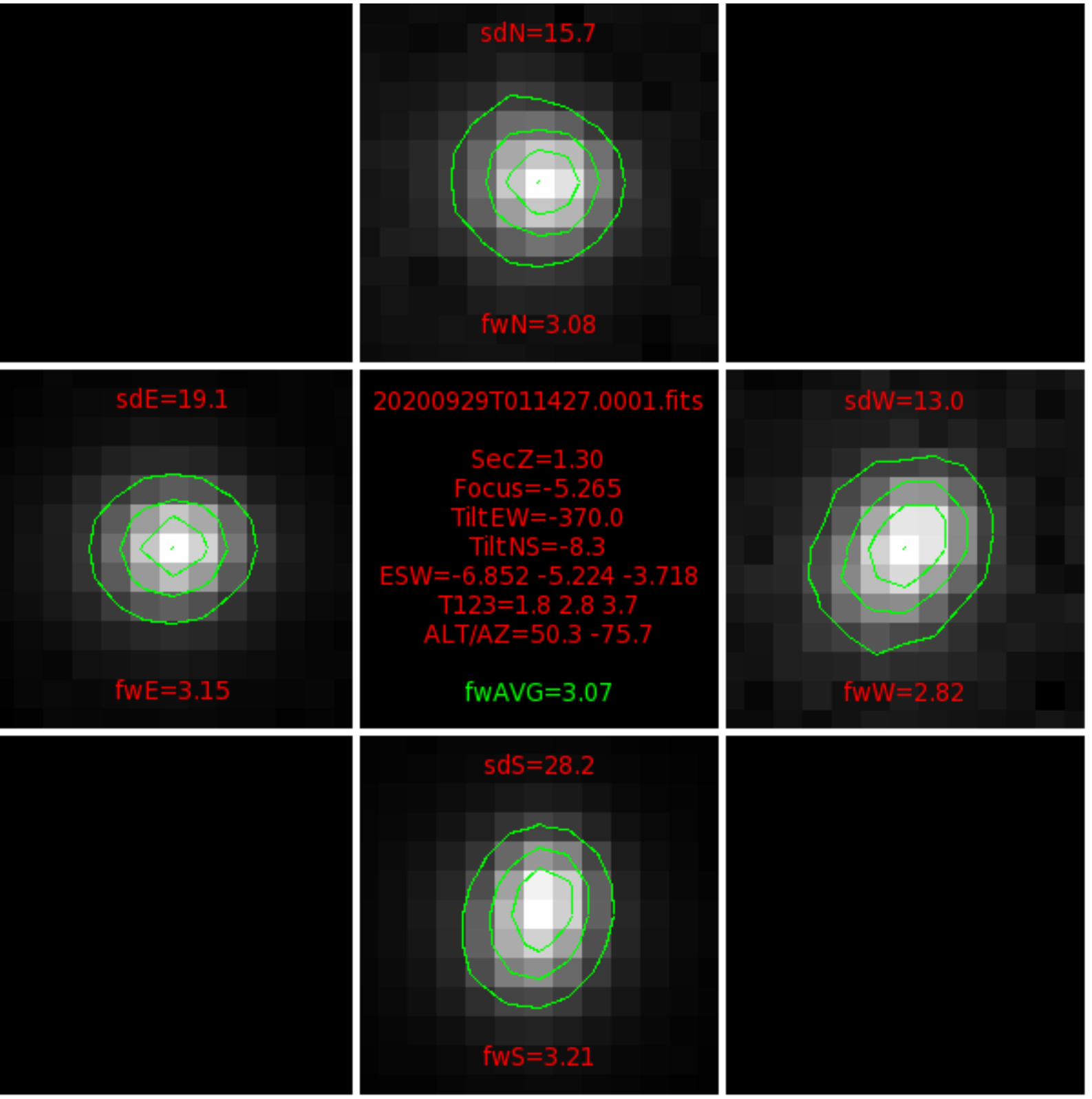
sdN=15.7
fwN=3.08
sdE=19.1
fwE=3.15
20200929T011427.0001.fits
SecZ=1.30
Focus=-5.265
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.852 -5.224 -3.718
T123=1.8 2.8 3.7
ALT/AZ=50.3 -75.7
fwAVG=3.07
sdW=13.0
fwW=2.82
sdS=28.2
fwS=3.21
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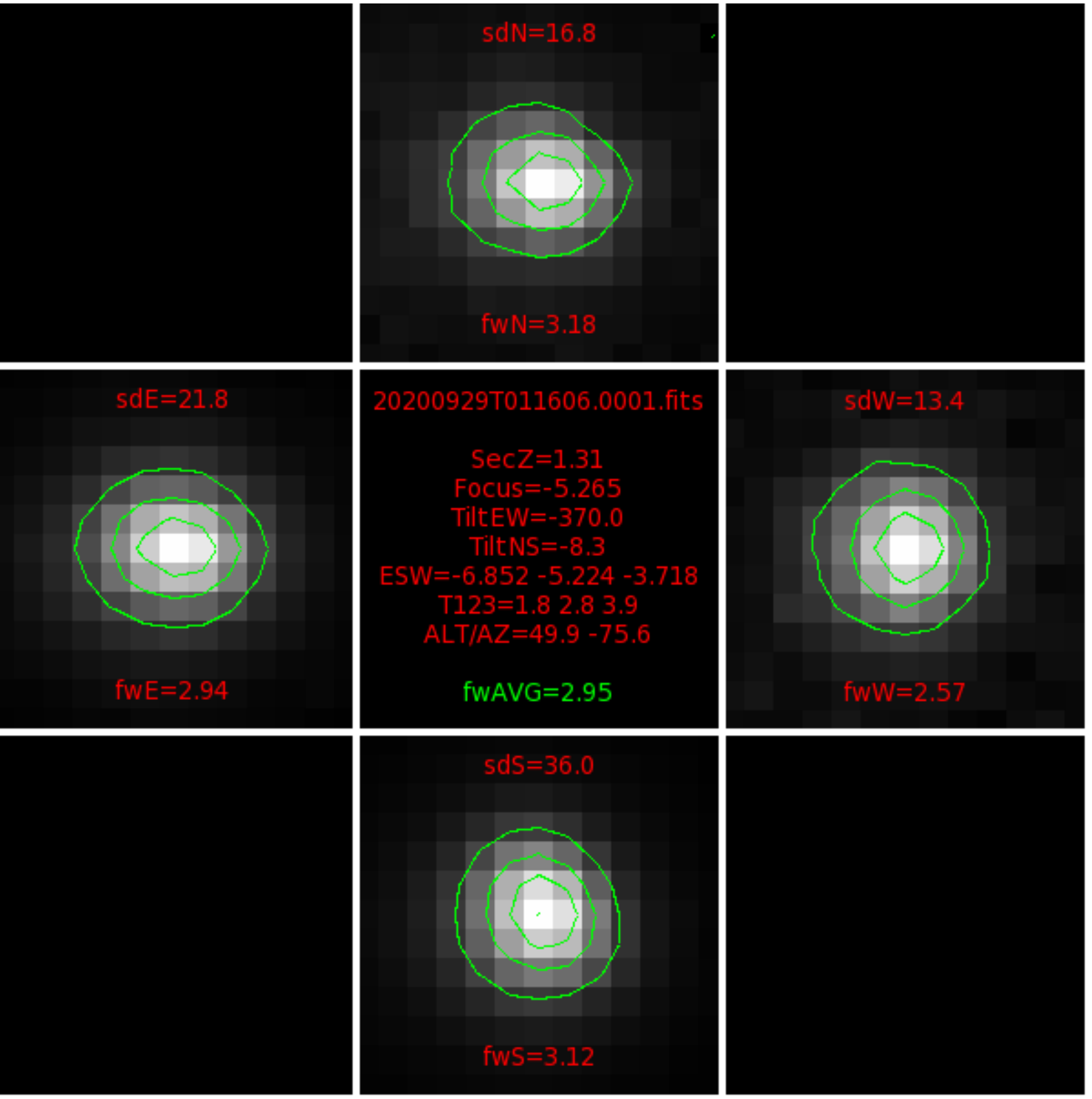
sdN=16.8
fwN=3.18
sdE=21.8
fwE=2.94
20200929T011606.0001.fits
SecZ=1.31
Focus=-5.265
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.852 -5.224 -3.718
T123=1.8 2.8 3.9
ALT/AZ=49.9 -75.6
fwAVG=2.95
sdW=13.4
fwW=2.57
sdS=36.0
fwS=3.12
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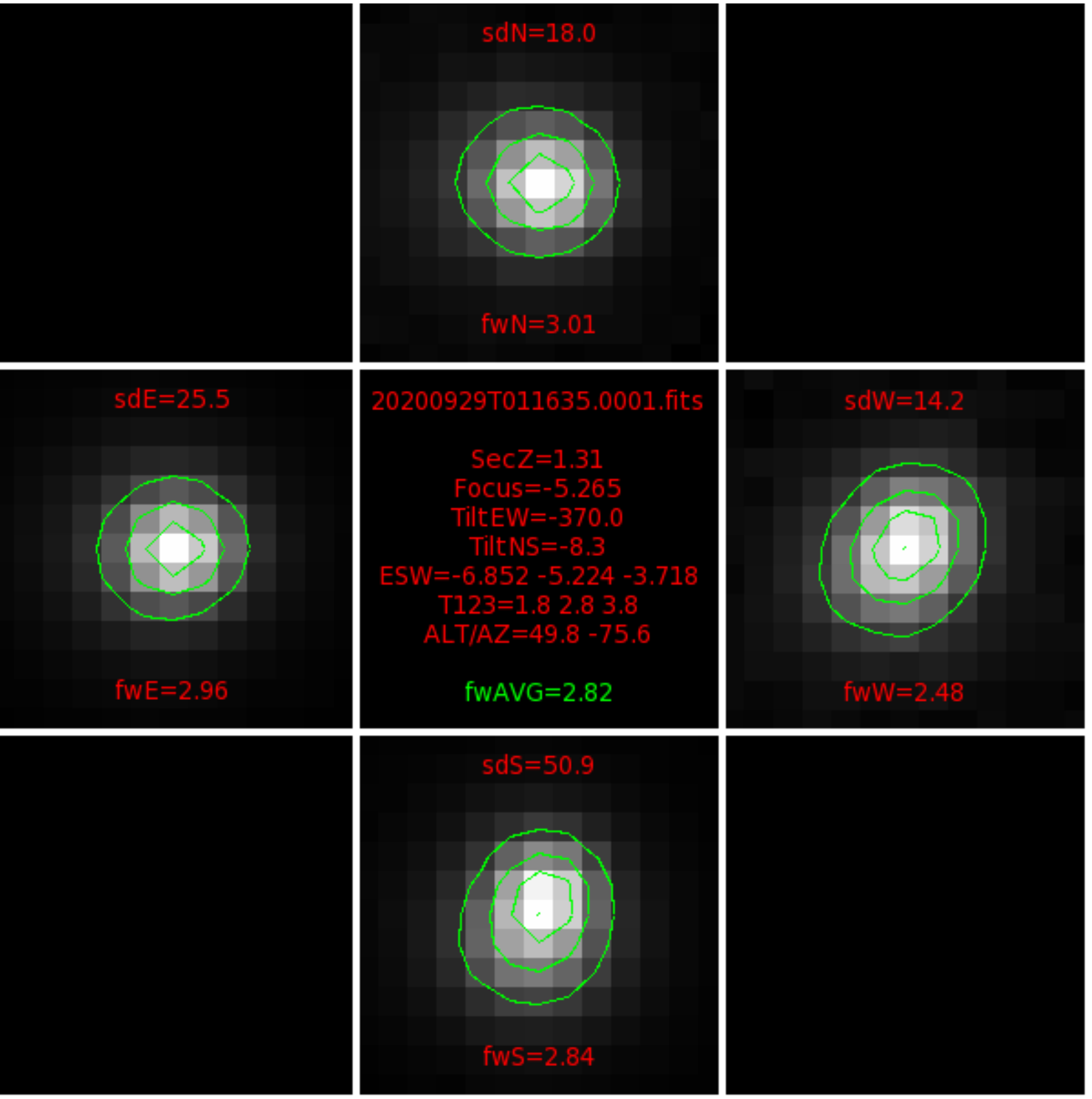
sdN=18.0
fwN=3.01
sdE=25.5
fwE=2.96
20200929T011635.0001.fits
SecZ=1.31
Focus=-5.265
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.852 -5.224 -3.718
T123=1.8 2.8 3.8
ALT/AZ=49.8 -75.6
fwAVG=2.82
sdW=14.2
fwW=2.48
sdS=50.9
fwS=2.84
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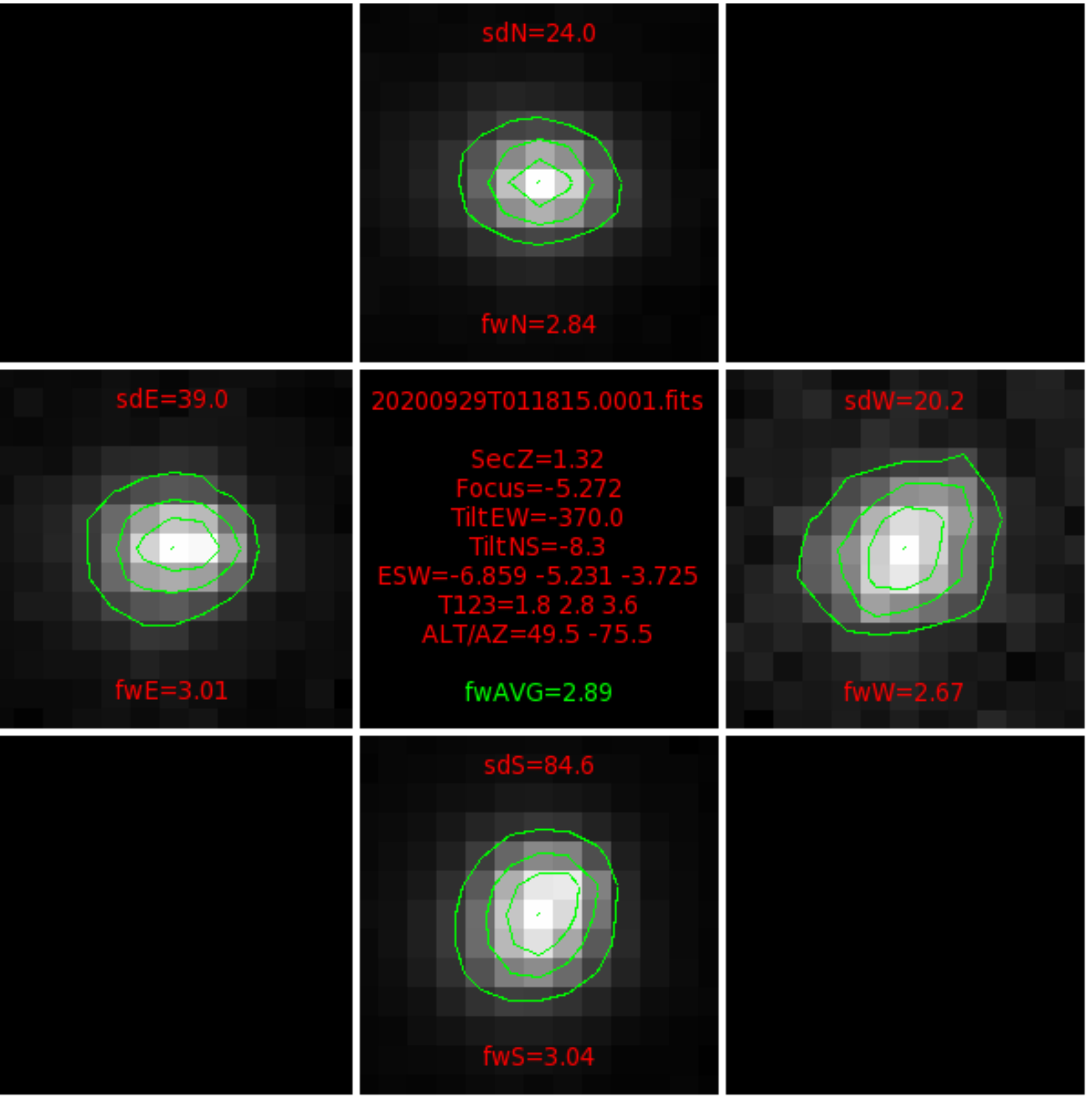
sdN=24.0
fwN=2.84
sdE=39.0
fwE=3.01
20200929T011815.0001.fits
SecZ=1.32
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.8 2.8 3.6
ALT/AZ=49.5 -75.5
fwAVG=2.89
sdW=20.2
fwW=2.67
sdS=84.6
fwS=3.04
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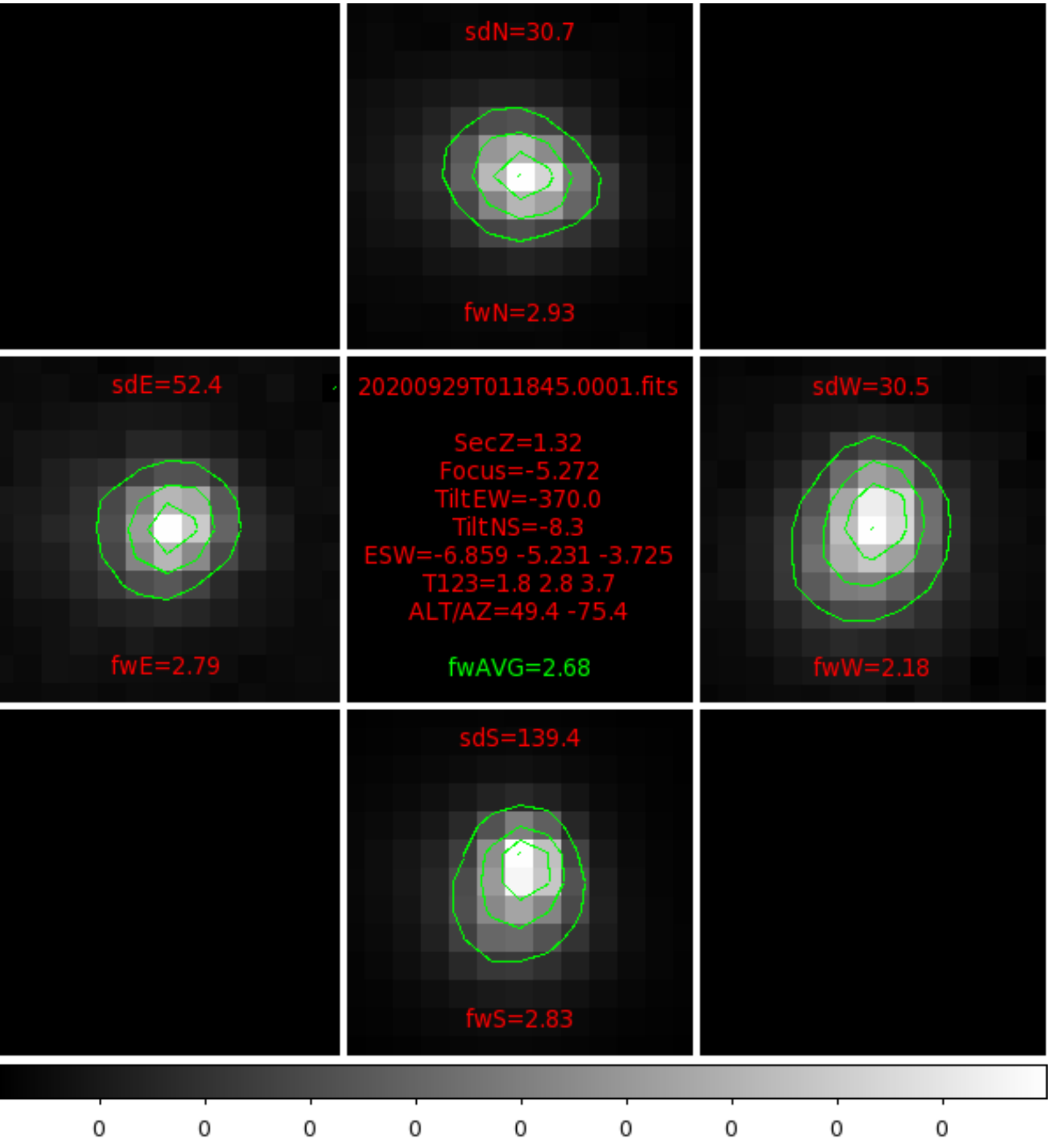
sdN=30.7
fwN=2.93
sdE=52.4
fwE=2.79
20200929T011845.0001.fits
SecZ=1.32
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.8 2.8 3.7
ALT/AZ=49.4 -75.4
fwAVG=2.68
sdW=30.5
fwW=2.18
sdS=139.4
fwS=2.83
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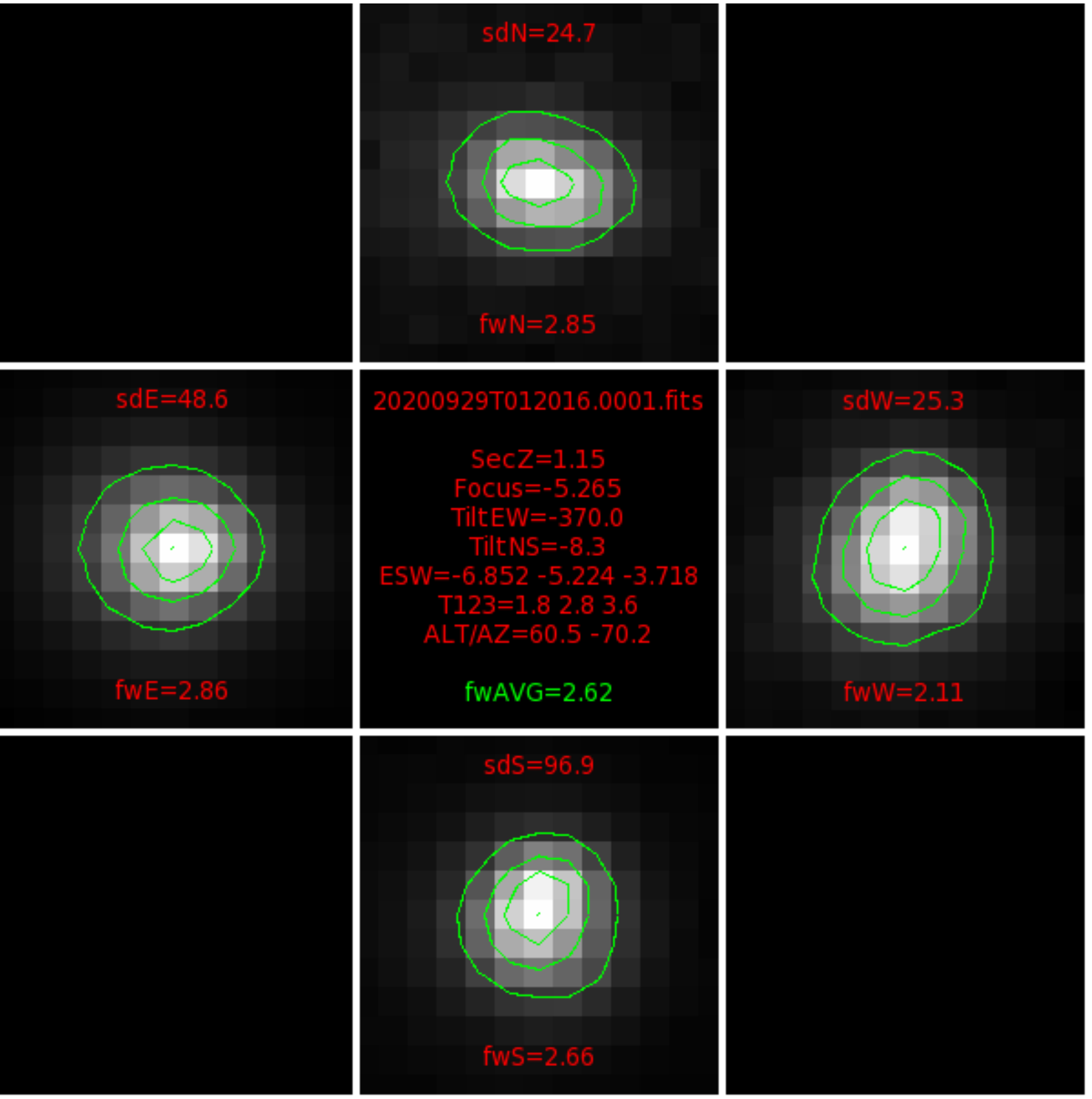
sdN=24.7
fwN=2.85
sdE=48.6
fwE=2.86
20200929T012016.0001.fits
SecZ=1.15
Focus=-5.265
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.852 -5.224 -3.718
T123=1.8 2.8 3.6
ALT/AZ=60.5 -70.2
fwAVG=2.62
sdW=25.3
fwW=2.11
sdS=96.9
fwS=2.66
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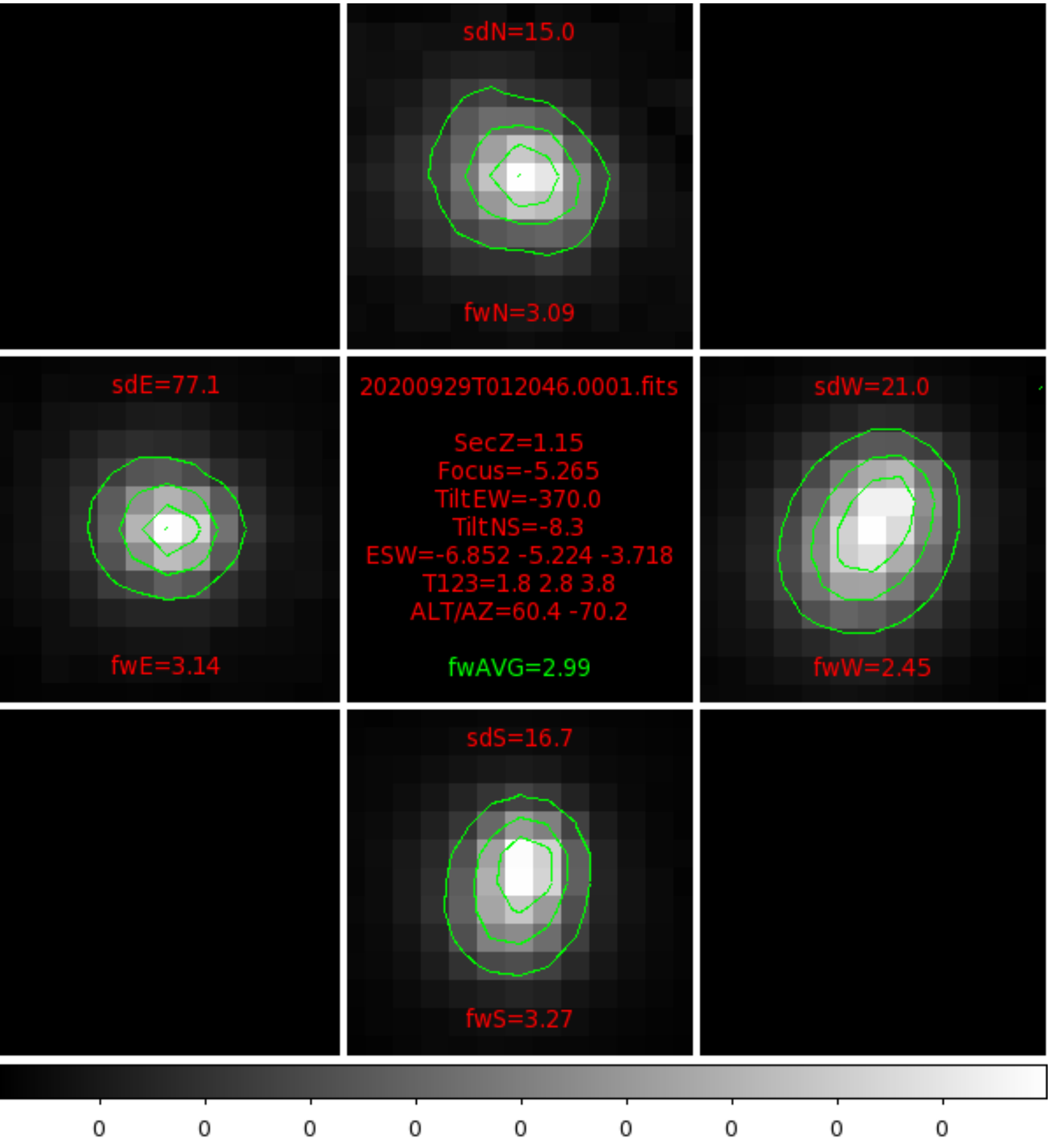
sdN=15.0
fwN=3.09
sdE=77.1
fwE=3.14
20200929T012046.0001.fits
SecZ=1.15
Focus=-5.265
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.852 -5.224 -3.718
T123=1.8 2.8 3.8
ALT/AZ=60.4 -70.2
fwAVG=2.99
sdW=21.0
fwW=2.45
sdS=16.7
fwS=3.27
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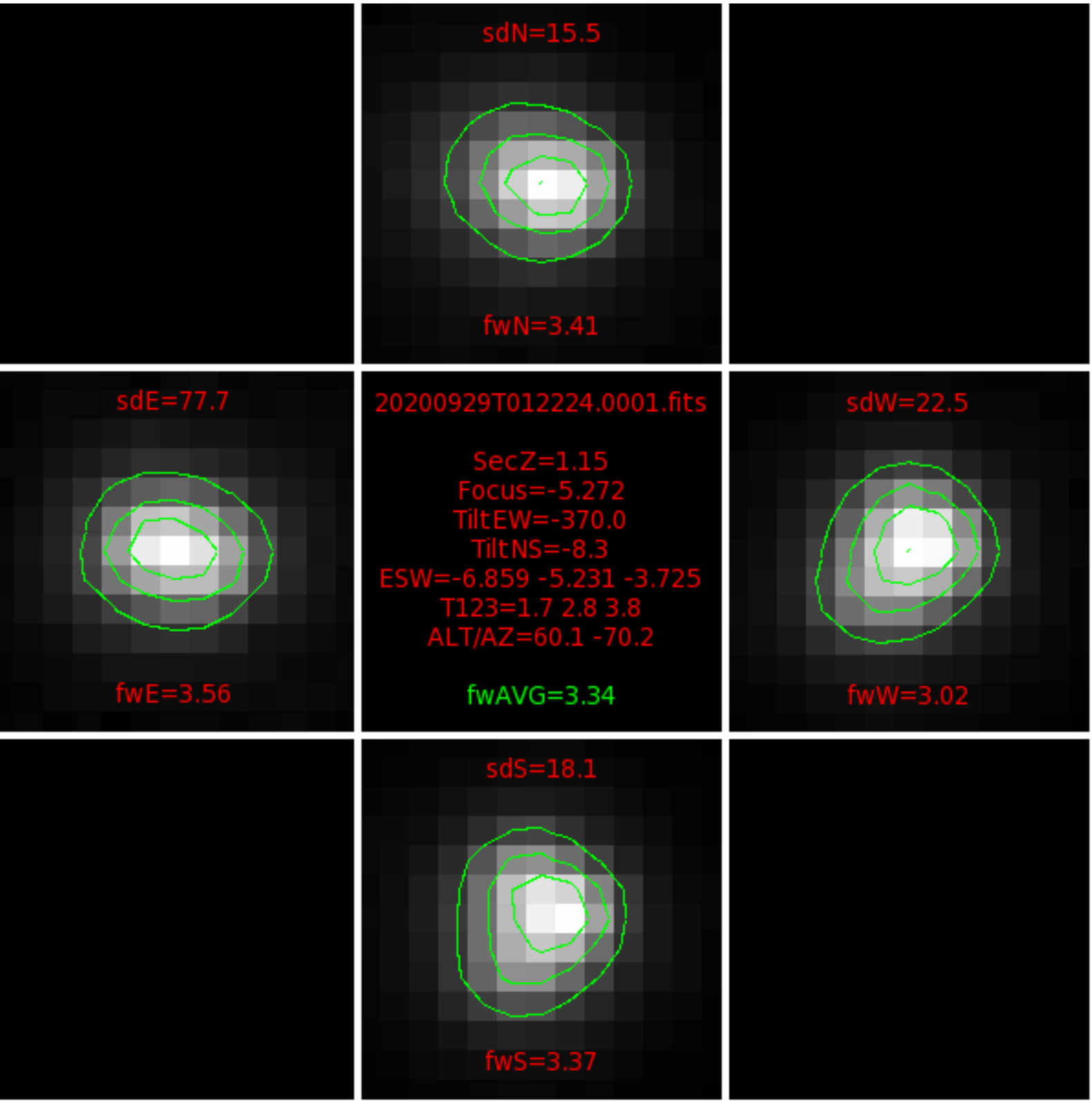
sdN=15.5
fwN=3.41
sdE=77.7
fwE=3.56
20200929T012224.0001.fits
SecZ=1.15
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.7 2.8 3.8
ALT/AZ=60.1 -70.2
fwAVG=3.34
sdW=22.5
fwW=3.02
sdS=18.1
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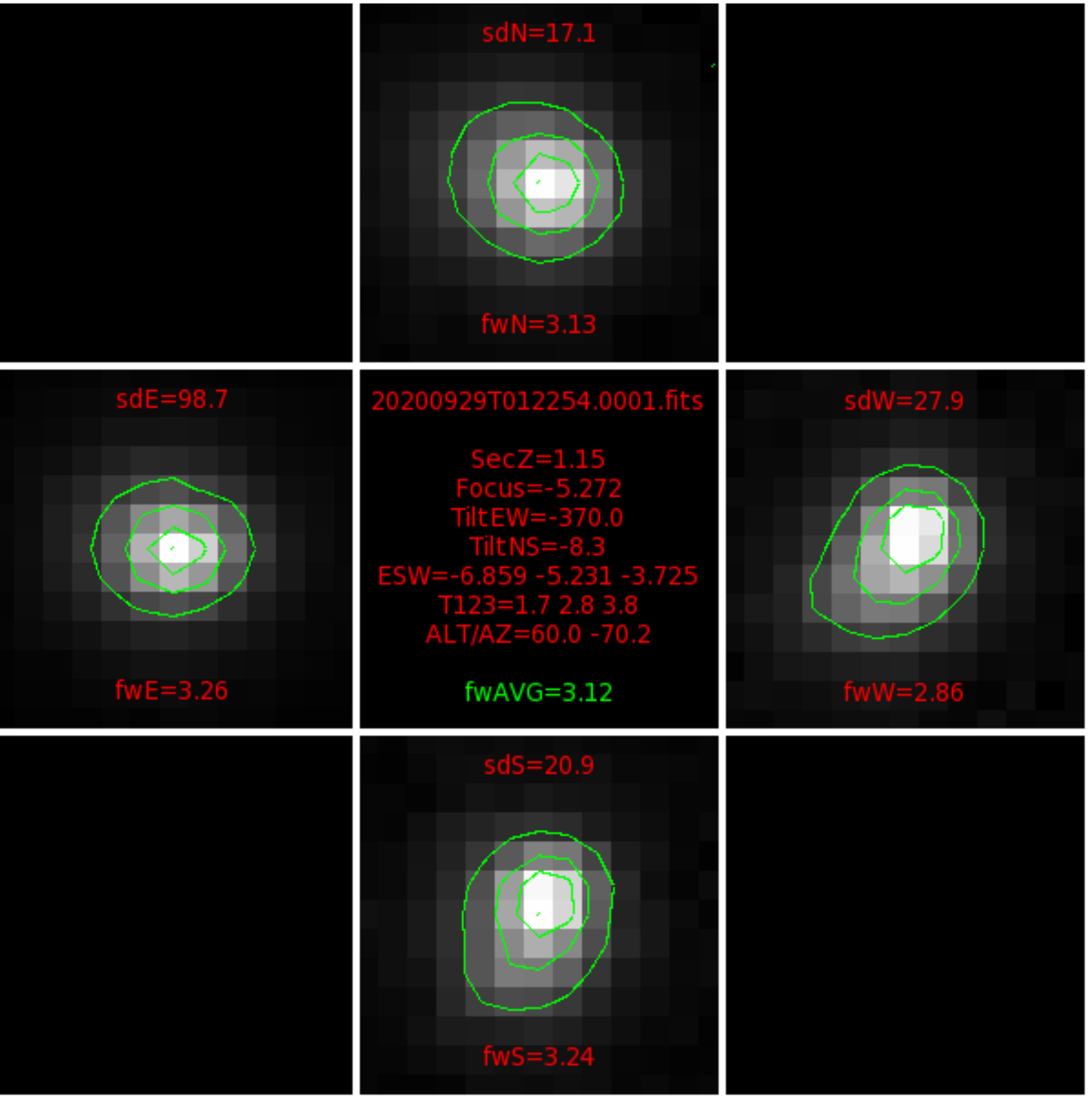
sdN=17.1
fwN=3.13
sdE=98.7
fwE=3.26
20200929T012254.0001.fits
SecZ=1.15
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.7 2.8 3.8
ALT/AZ=60.0 -70.2
fwAVG=3.12
sdW=27.9
fwW=2.86
sdS=20.9
fwS=3.24
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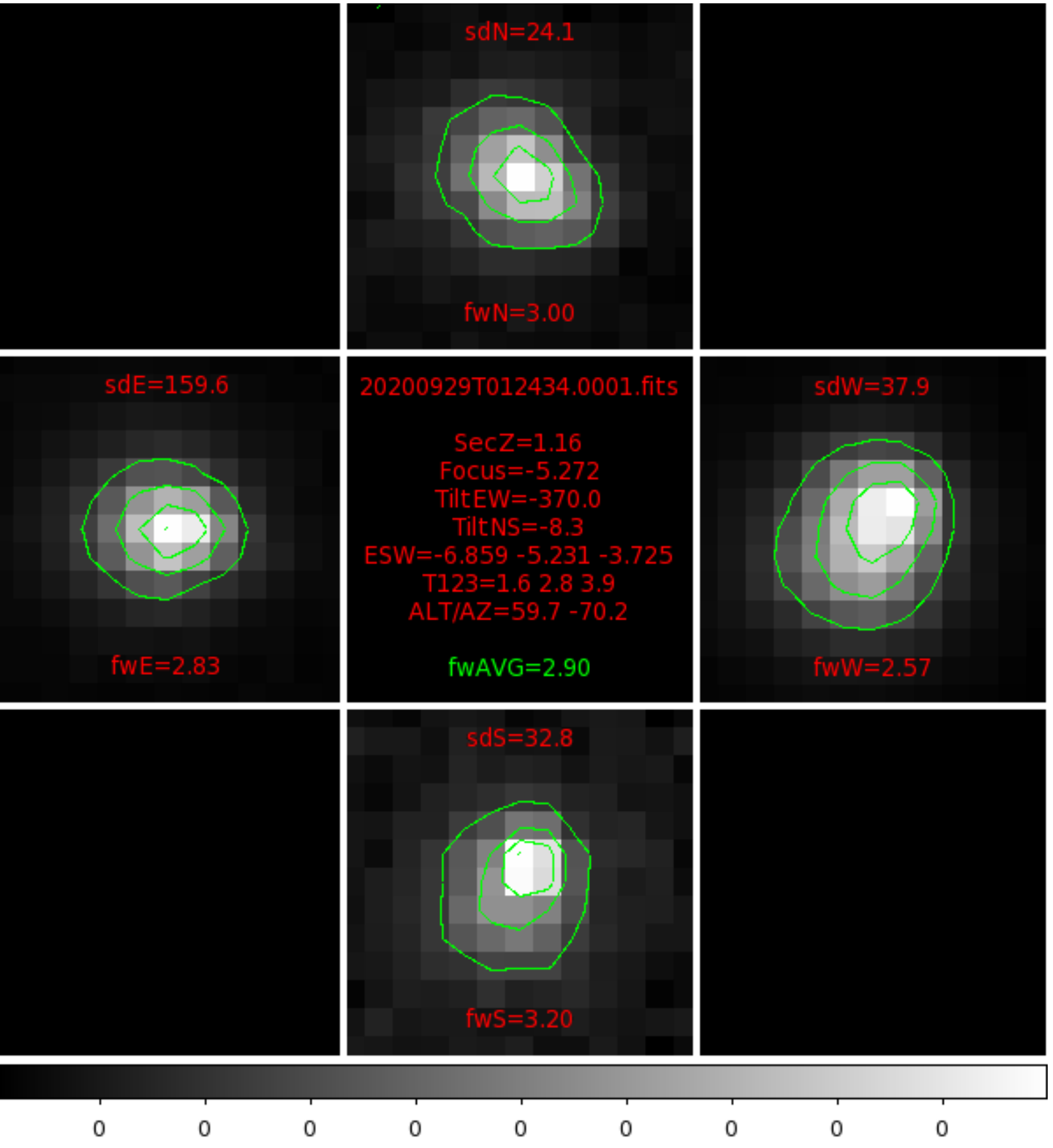
sdN=24.1
fwN=3.00
sdE=159.6
fwE=2.83
20200929T012434.0001.fits
SecZ=1.16
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.6 2.8 3.9
ALT/AZ=59.7 -70.2
fwAVG=2.90
sdW=37.9
fwW=2.57
sdS=32.8
fwS=3.20
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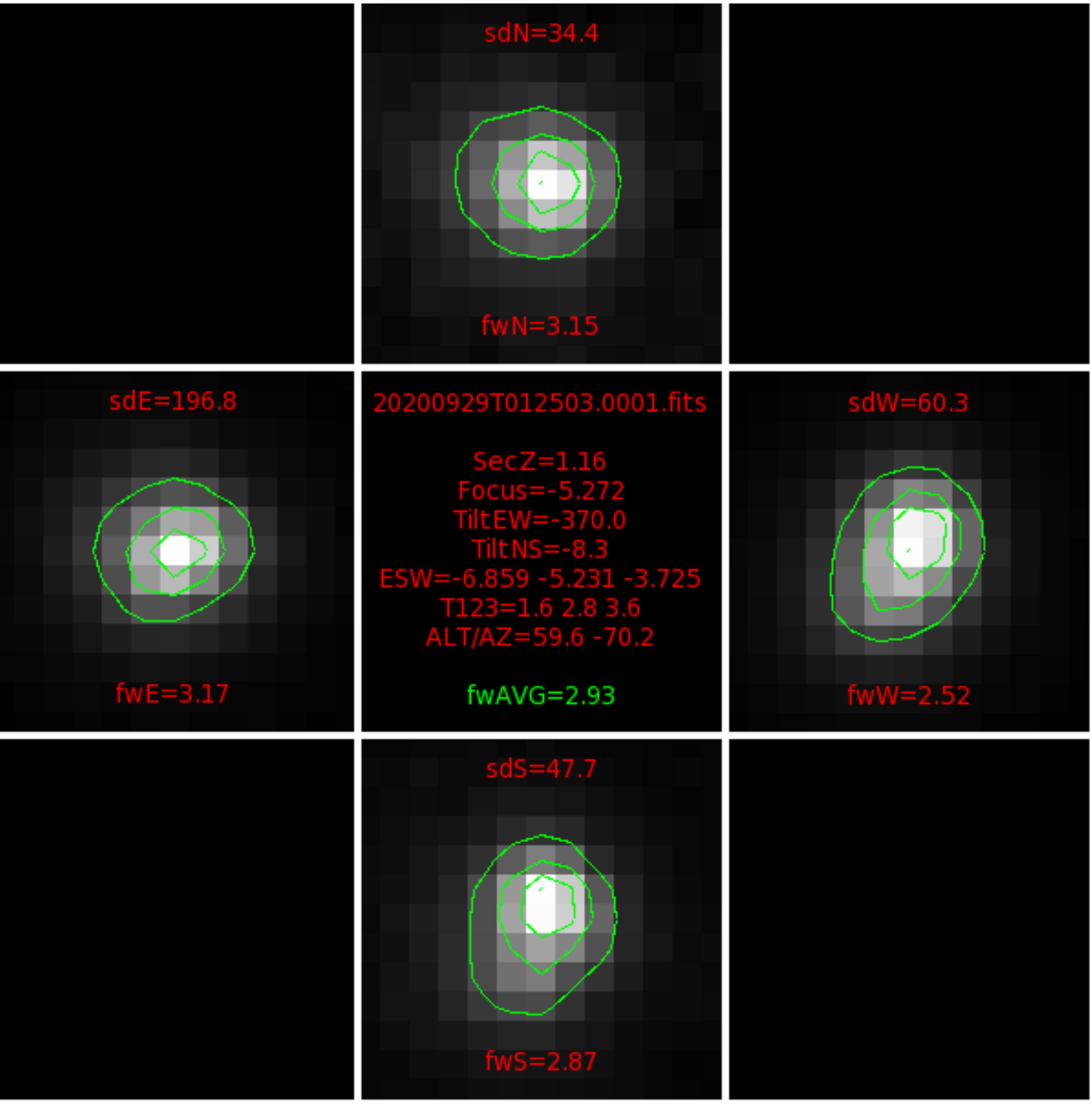
sdN=34.4
fwN=3.15
sdE=196.8
fwE=3.17
20200929T012503.0001.fits
SecZ=1.16
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.6 2.8 3.6
ALT/AZ=59.6 -70.2
fwAVG=2.93
sdW=60.3
fwW=2.52
sdS=47.7
fwS=2.87
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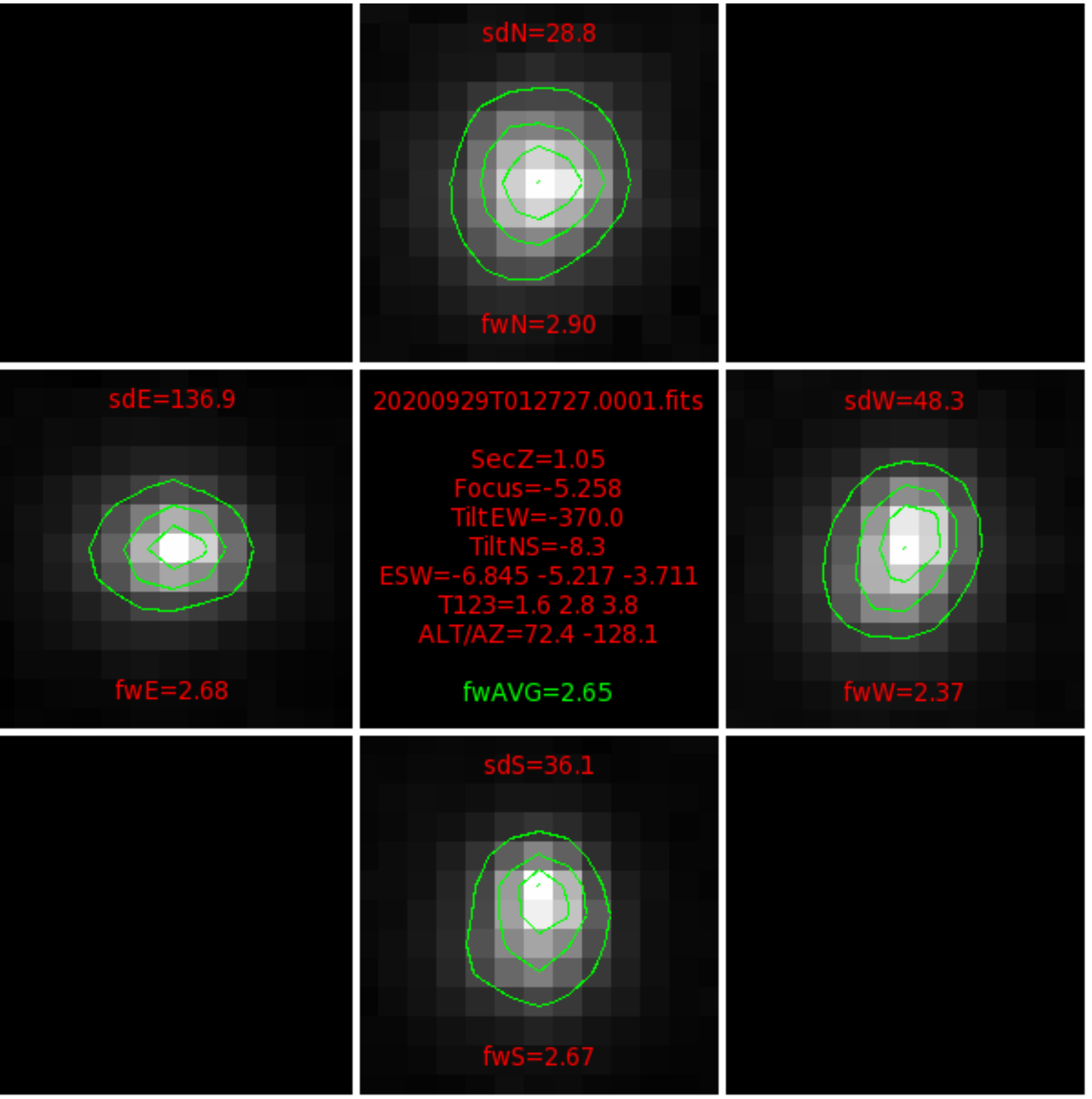
sdN=28.8
fwN=2.90
sdE=136.9
fwE=2.68
20200929T012727.0001.fits
SecZ=1.05
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.6 2.8 3.8
ALT/AZ=72.4 -128.1
fwAVG=2.65
sdW=48.3
fwW=2.37
sdS=36.1
fwS=2.67
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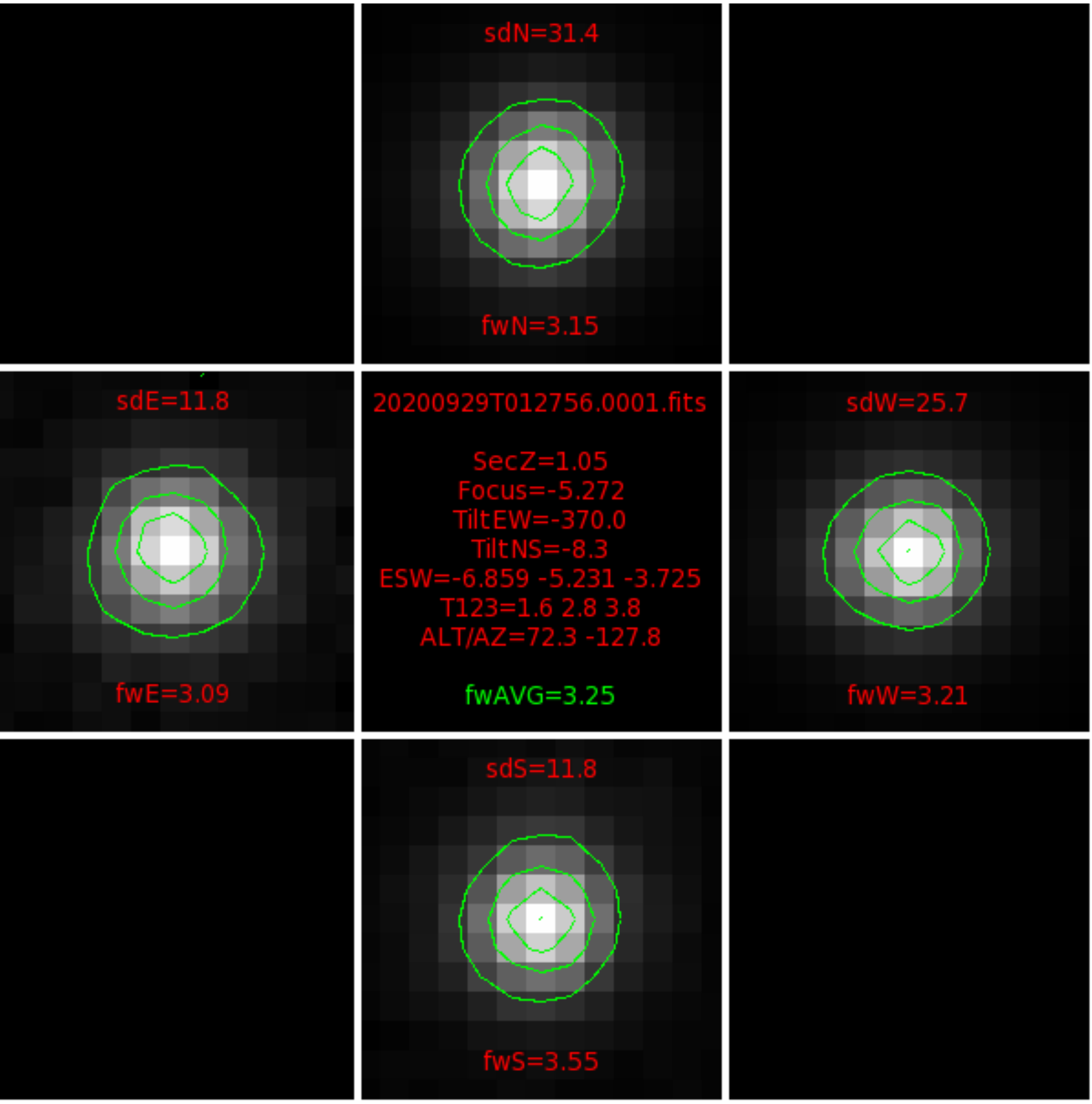
sdN=31.4
fwN=3.15
sdE=11.8
fwE=3.09
20200929T012756.0001.fits
SecZ=1.05
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.6 2.8 3.8
ALT/AZ=72.3 -127.8
fwAVG=3.25
sdW=25.7
fwW=3.21
sdS=11.8
fwS=3.55
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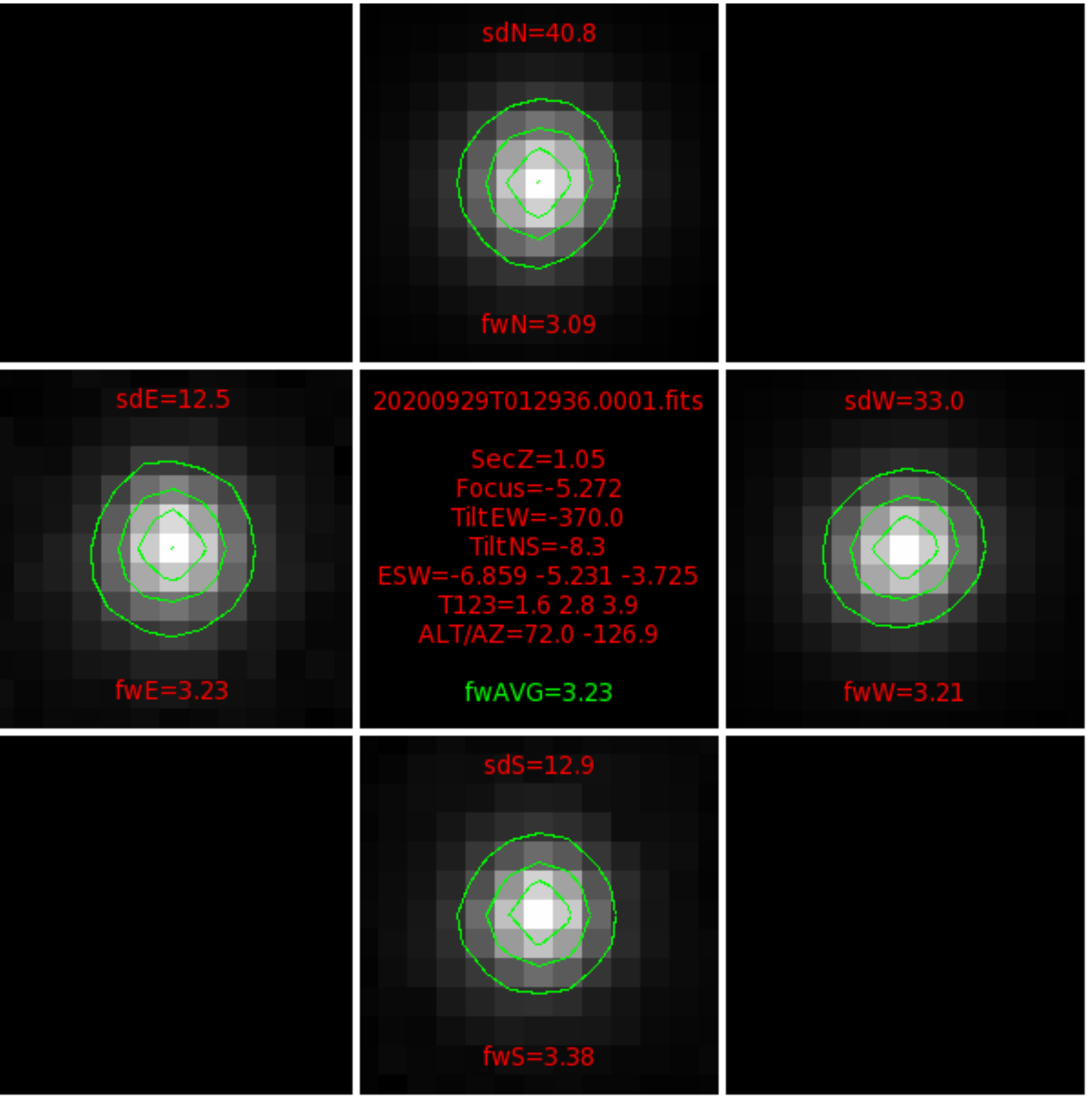
sdN=40.8
fwN=3.09
sdE=12.5
fwE=3.23
20200929T012936.0001.fits
SecZ=1.05
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.6 2.8 3.9
ALT/AZ=72.0 -126.9
fwAVG=3.23
sdW=33.0
fwW=3.21
sdS=12.9
fwS=3.38
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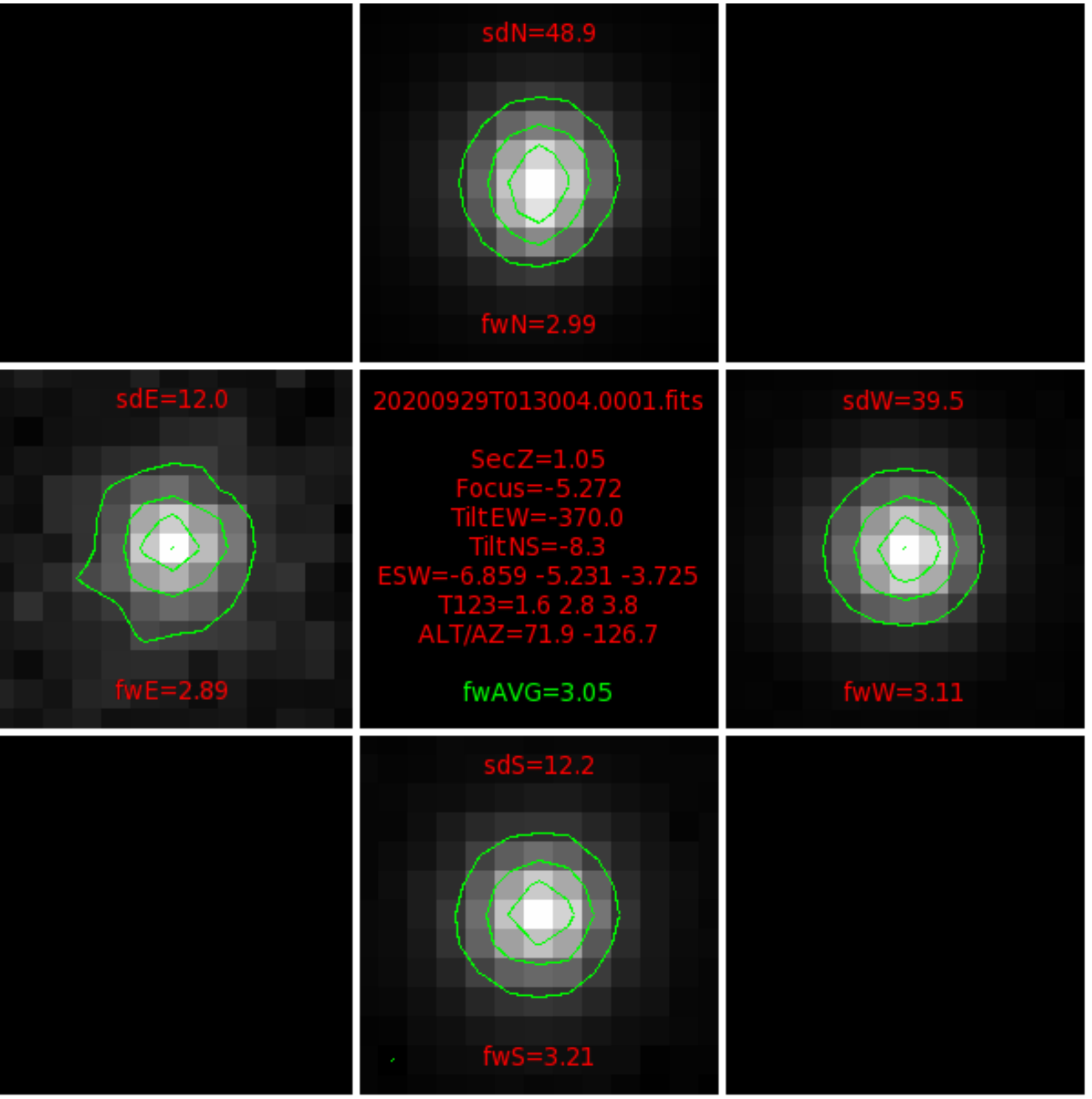
sdN=48.9
fwN=2.99
sdE=12.0
fwE=2.89
20200929T013004.0001.fits
SecZ=1.05
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.6 2.8 3.8
ALT/AZ=71.9 -126.7
fwAVG=3.05
sdW=39.5
fwW=3.11
sdS=12.2
fwS=3.21
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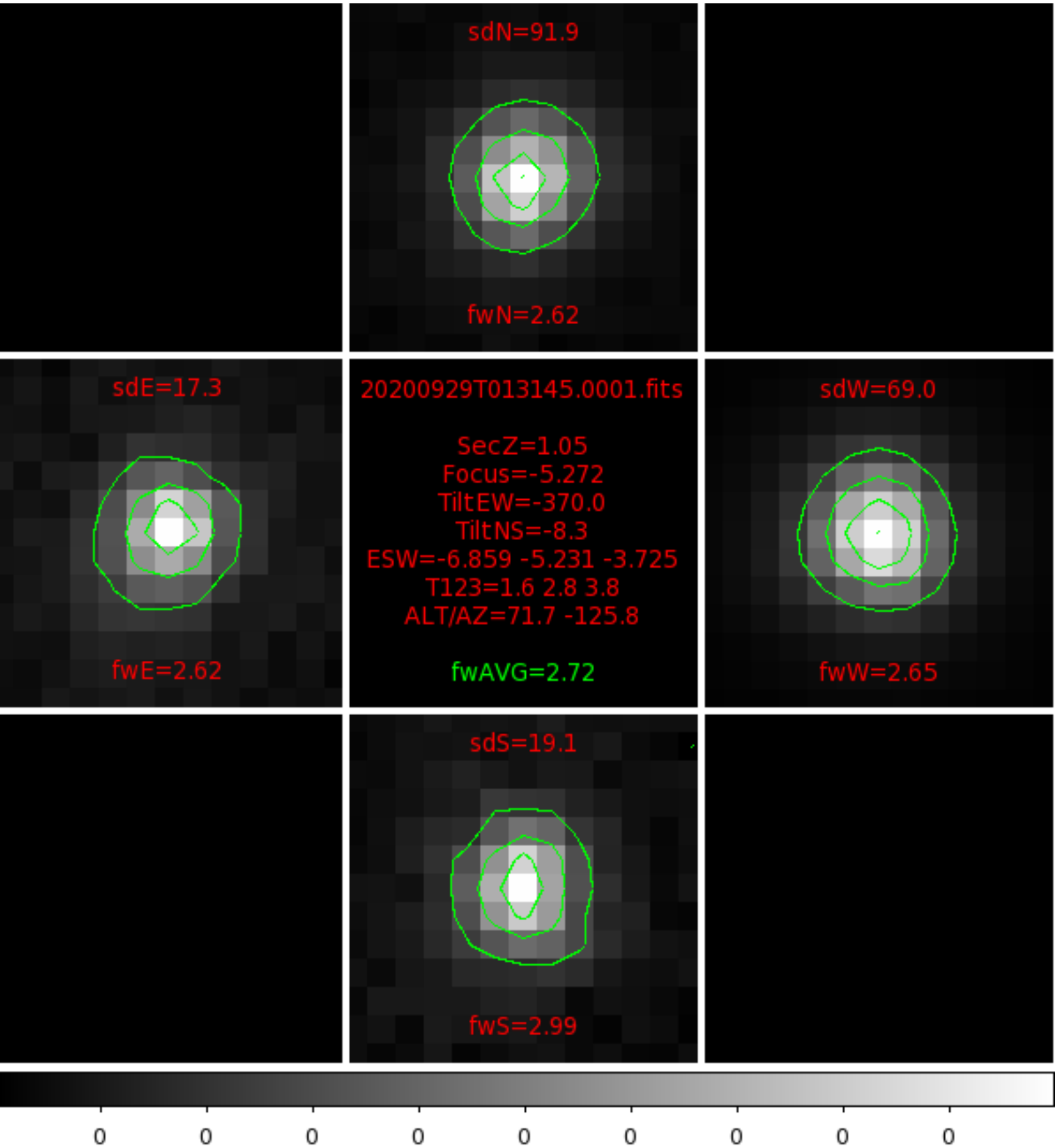
sdN=91.9
fwN=2.62
sdE=17.3
fwE=2.62
20200929T013145.0001.fits
SecZ=1.05
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.6 2.8 3.8
ALT/AZ=71.7 -125.8
fwAVG=2.72
sdW=69.0
fwW=2.65
sdS=19.1
fwS=2.99
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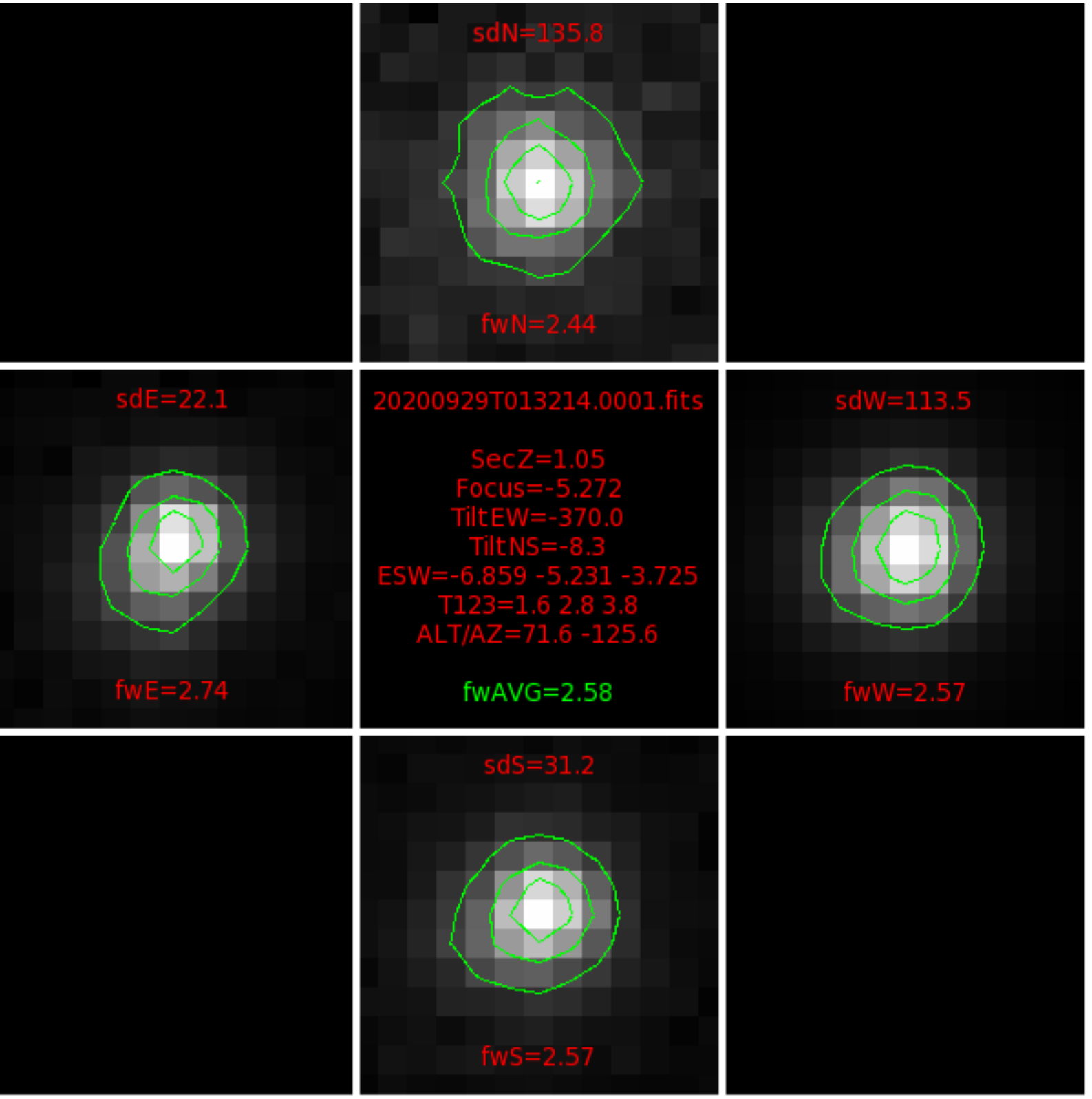
sdN=135.8
fwN=2.44
sdE=22.1
fwE=2.74
20200929T013214.0001.fits
SecZ=1.05
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.6 2.8 3.8
ALT/AZ=71.6 -125.6
fwAVG=2.58
sdW=113.5
fwW=2.57
sdS=31.2
fwS=2.57
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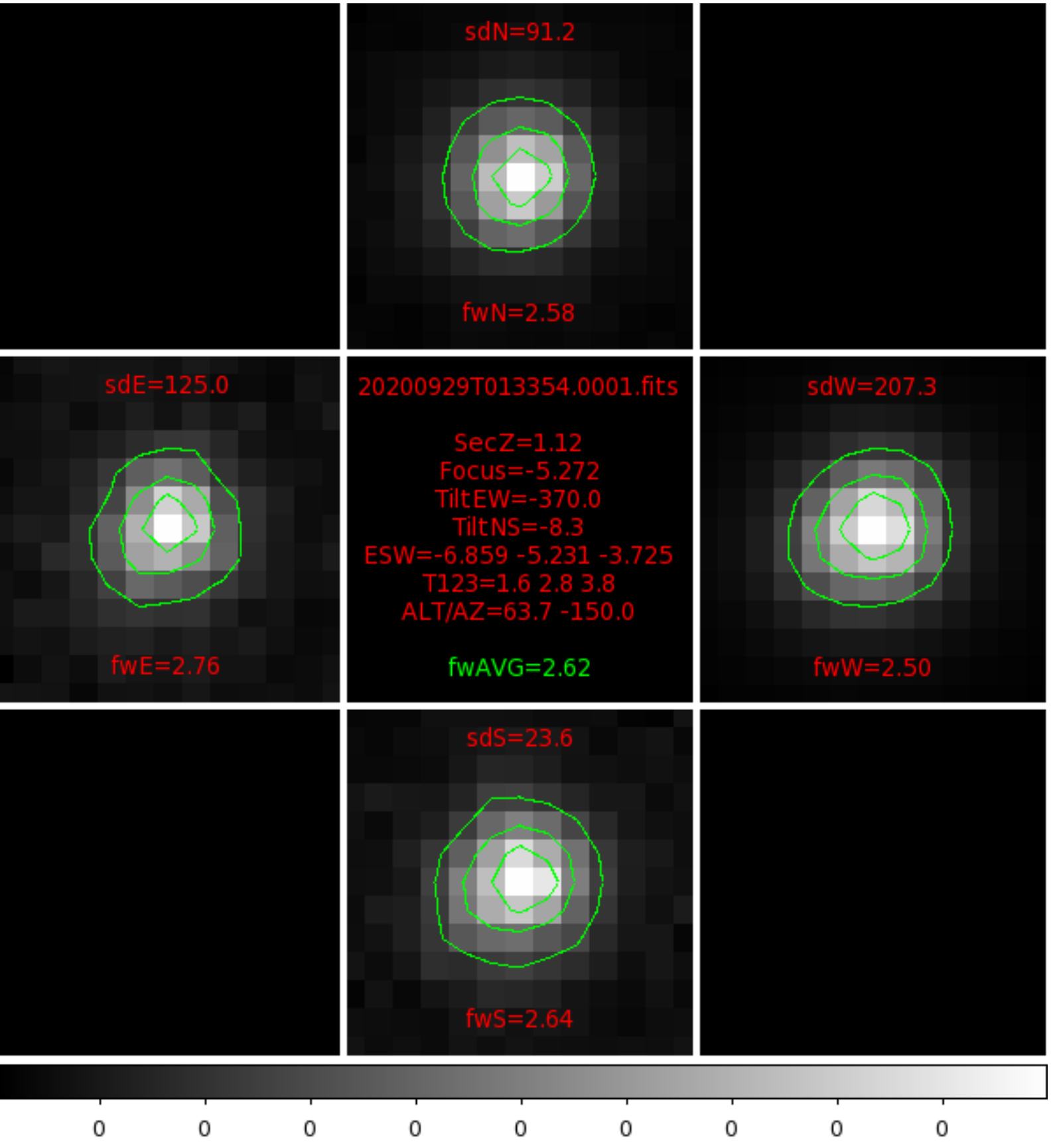
sdN=91.2
fwN=2.58
sdE=125.0
fwE=2.76
20200929T013354.0001.fits
SecZ=1.12
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.6 2.8 3.8
ALT/AZ=63.7 -150.0
fwAVG=2.62
sdW=207.3
fwW=2.50
sdS=23.6
fwS=2.64
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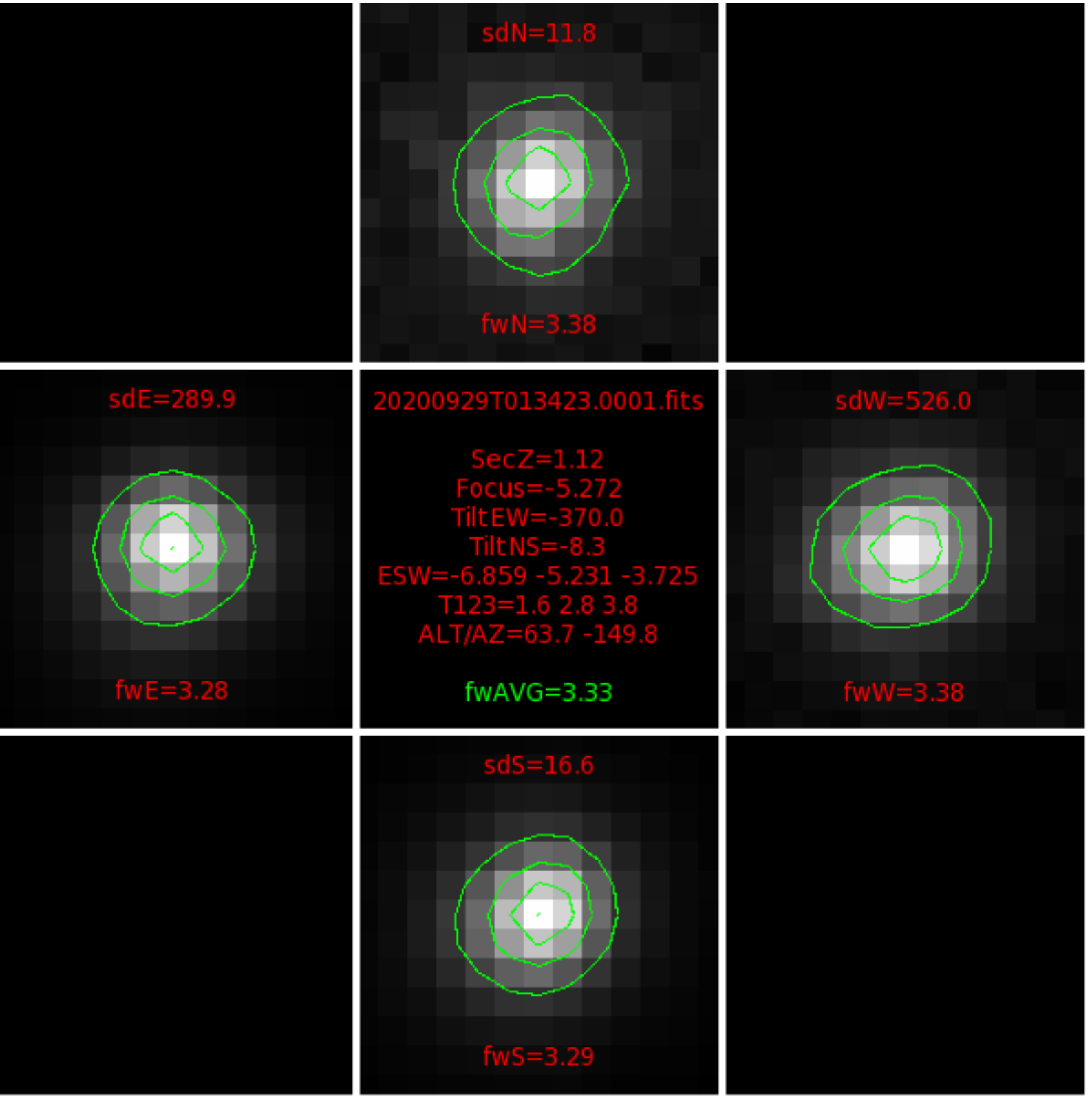
sdN=11.8
fwN=3.38
sdE=289.9
fwE=3.28
20200929T013423.0001.fits
SecZ=1.12
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.6 2.8 3.8
ALT/AZ=63.7 -149.8
fwAVG=3.33
sdW=526.0
fwW=3.38
sdS=16.6
fwS=3.29
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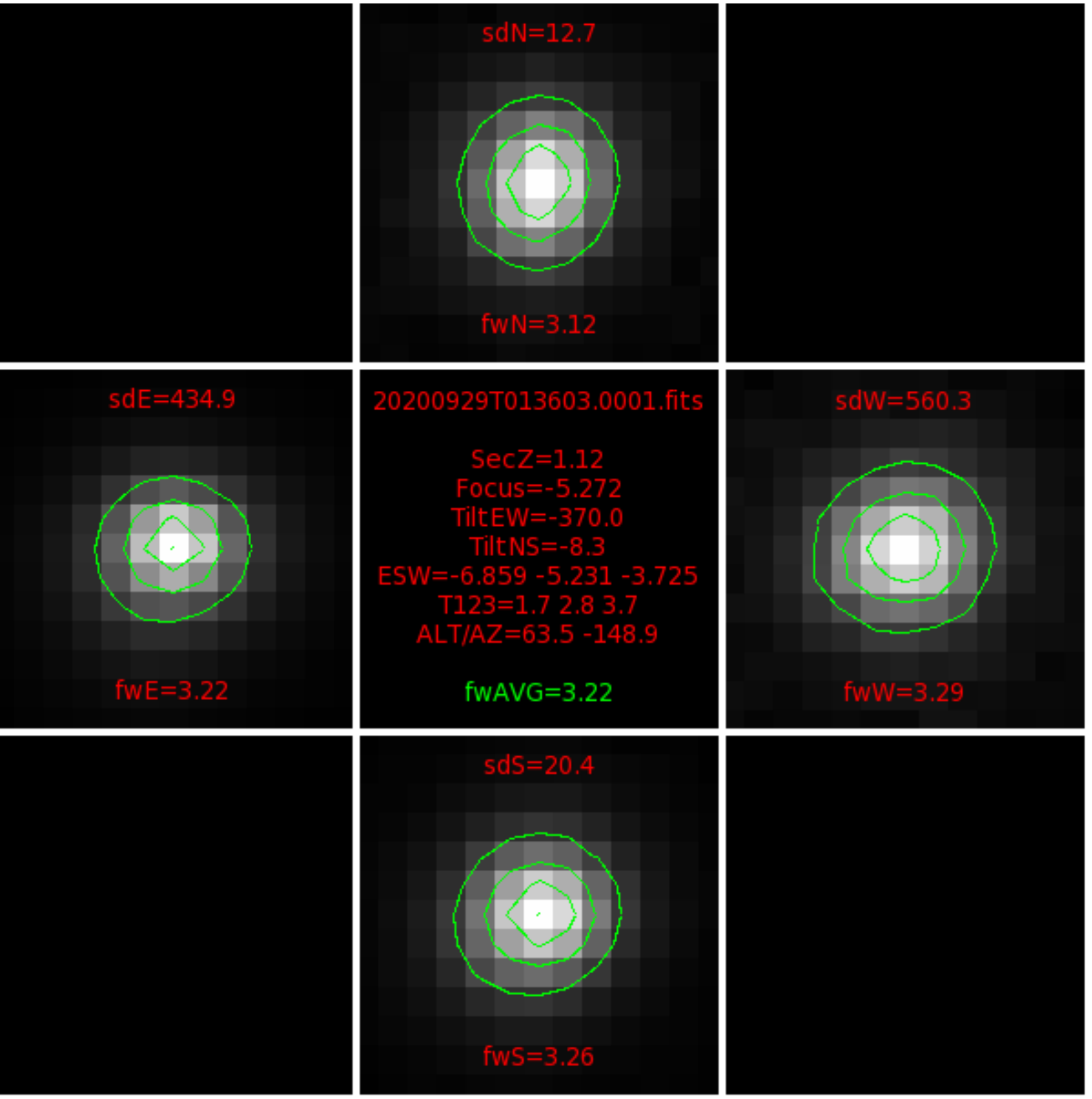
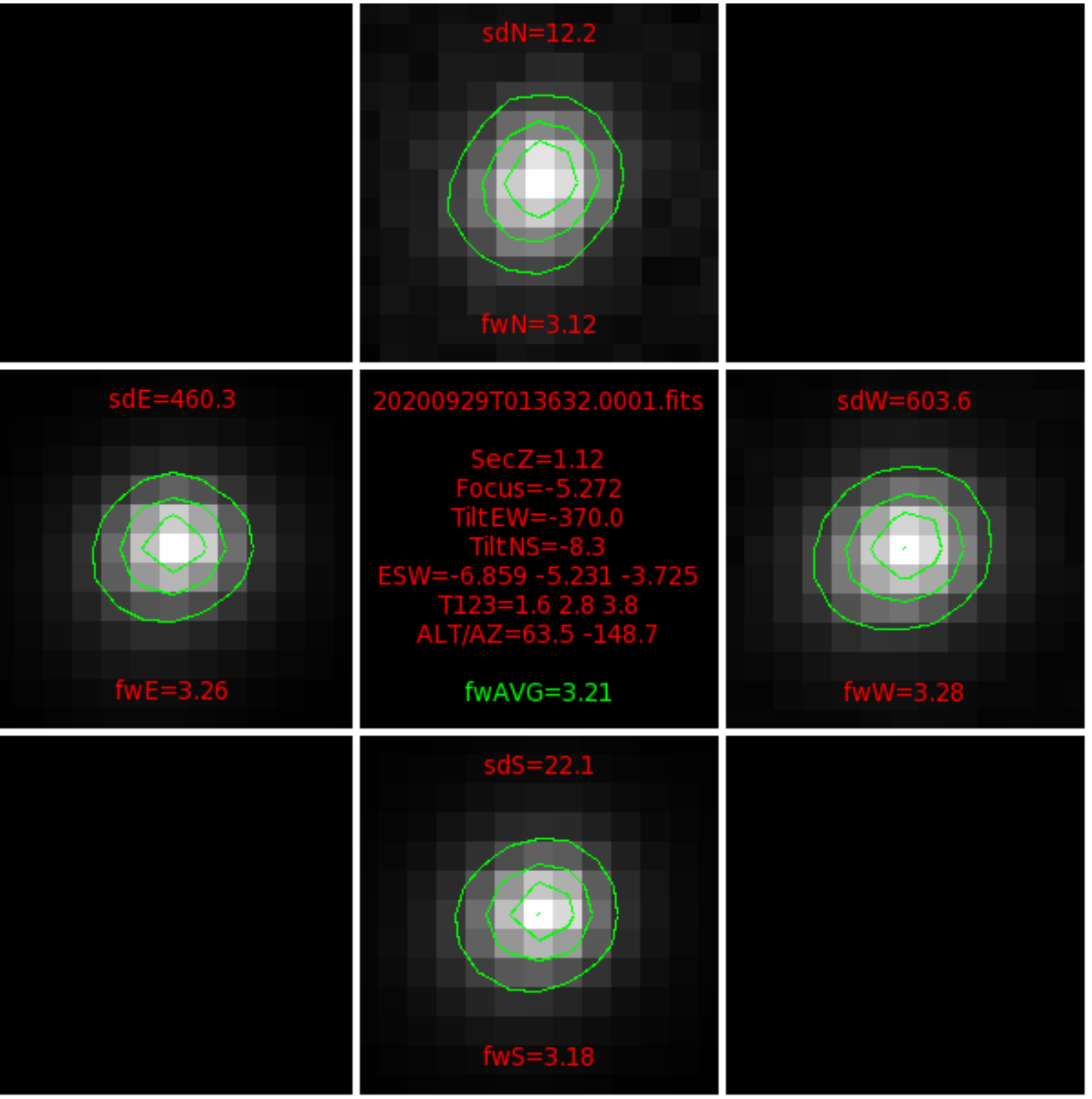

sdN=12.7
fwN=3.12
sdE=434.9
fwE=3.22
20200929T013603.0001.fits
SecZ=1.12
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.7 2.8 3.7
ALT/AZ=63.5 -148.9
fwAVG=3.22
sdW=560.3
fwW=3.29
sdS=20.4
fwS=3.26
0 0 0 0 0 0 0 0 0


sdN=12.2
fwN=3.12
sdE=460.3
fwE=3.26
20200929T013632.0001.fits
SecZ=1.12
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.6 2.8 3.8
ALT/AZ=63.5 -148.7
fwAVG=3.21
sdW=603.6
fwW=3.28
sdS=22.1
fwS=3.18
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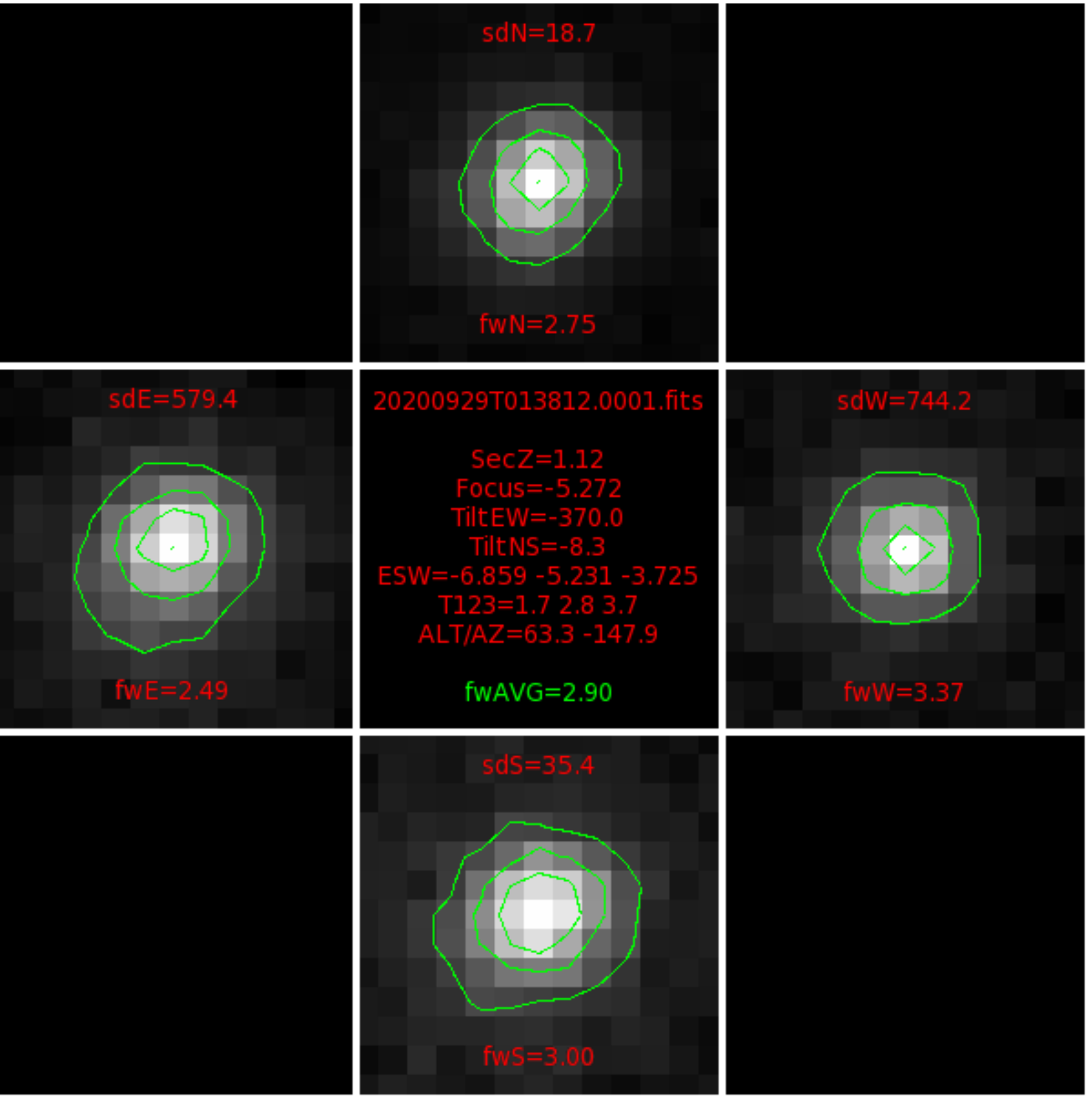
sdN=18.7
fwN=2.75
sdE=579.4
fwE=2.49
20200929T013812.0001.fits
SecZ=1.12
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.7 2.8 3.7
ALT/AZ=63.3 -147.9
fwAVG=2.90
sdW=744.2
fwW=3.37
sdS=35.4
fwS=3.00
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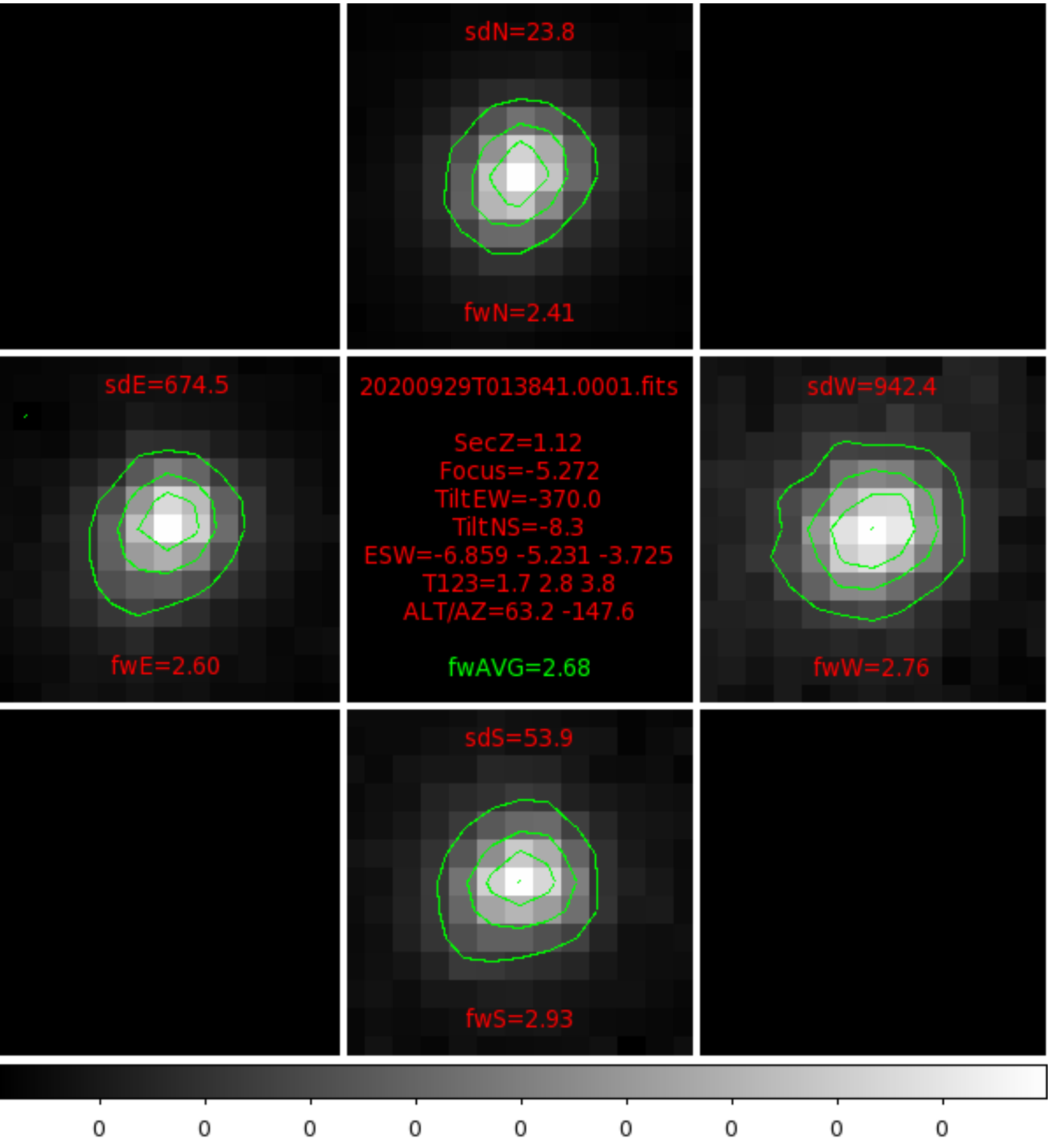
sdN=23.8
fwN=2.41
sdE=674.5
fwE=2.60
20200929T013841.0001.fits
SecZ=1.12
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.7 2.8 3.8
ALT/AZ=63.2 -147.6
fwAVG=2.68
sdW=942.4
fwW=2.76
sdS=53.9
fwS=2.93
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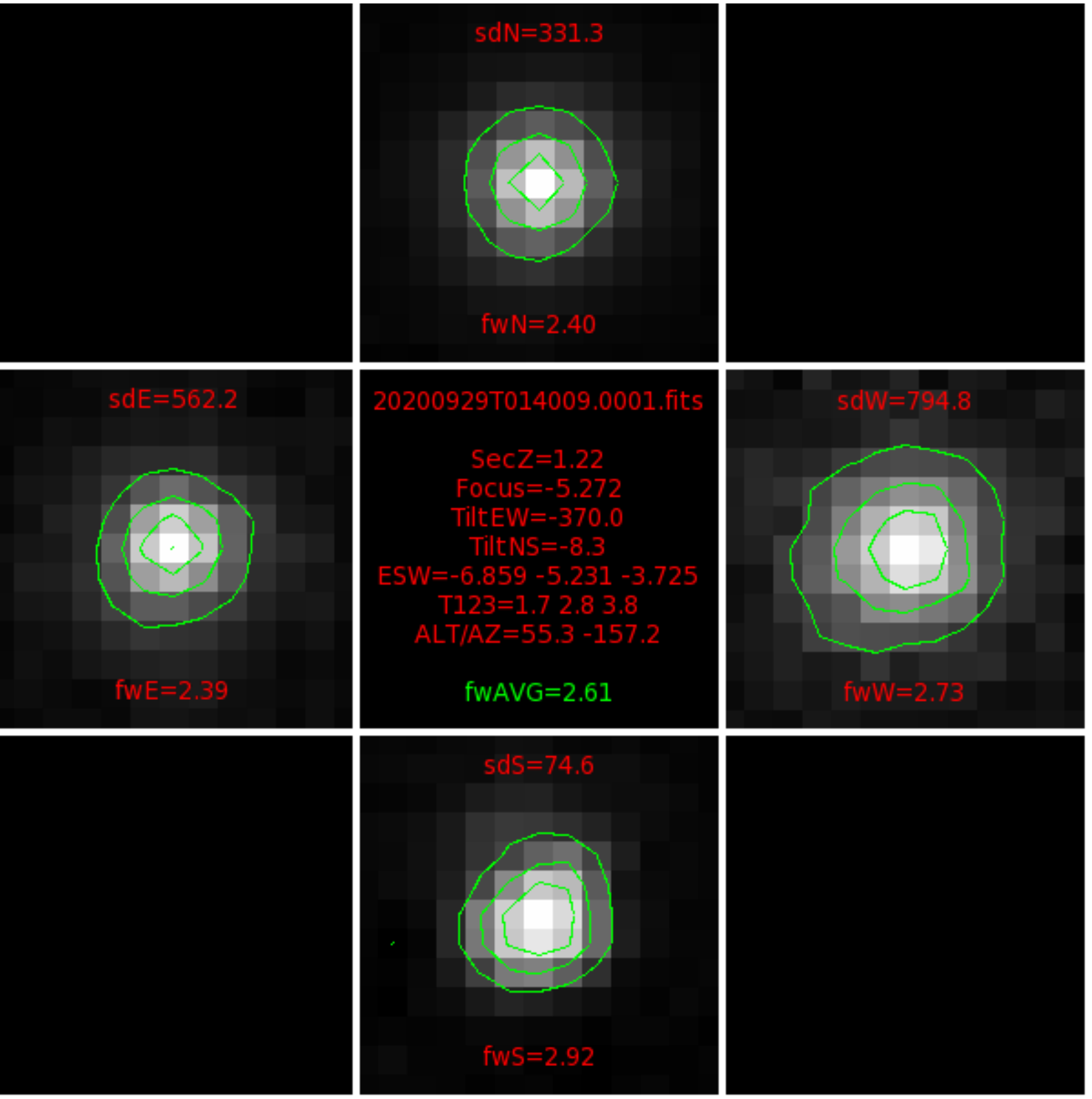
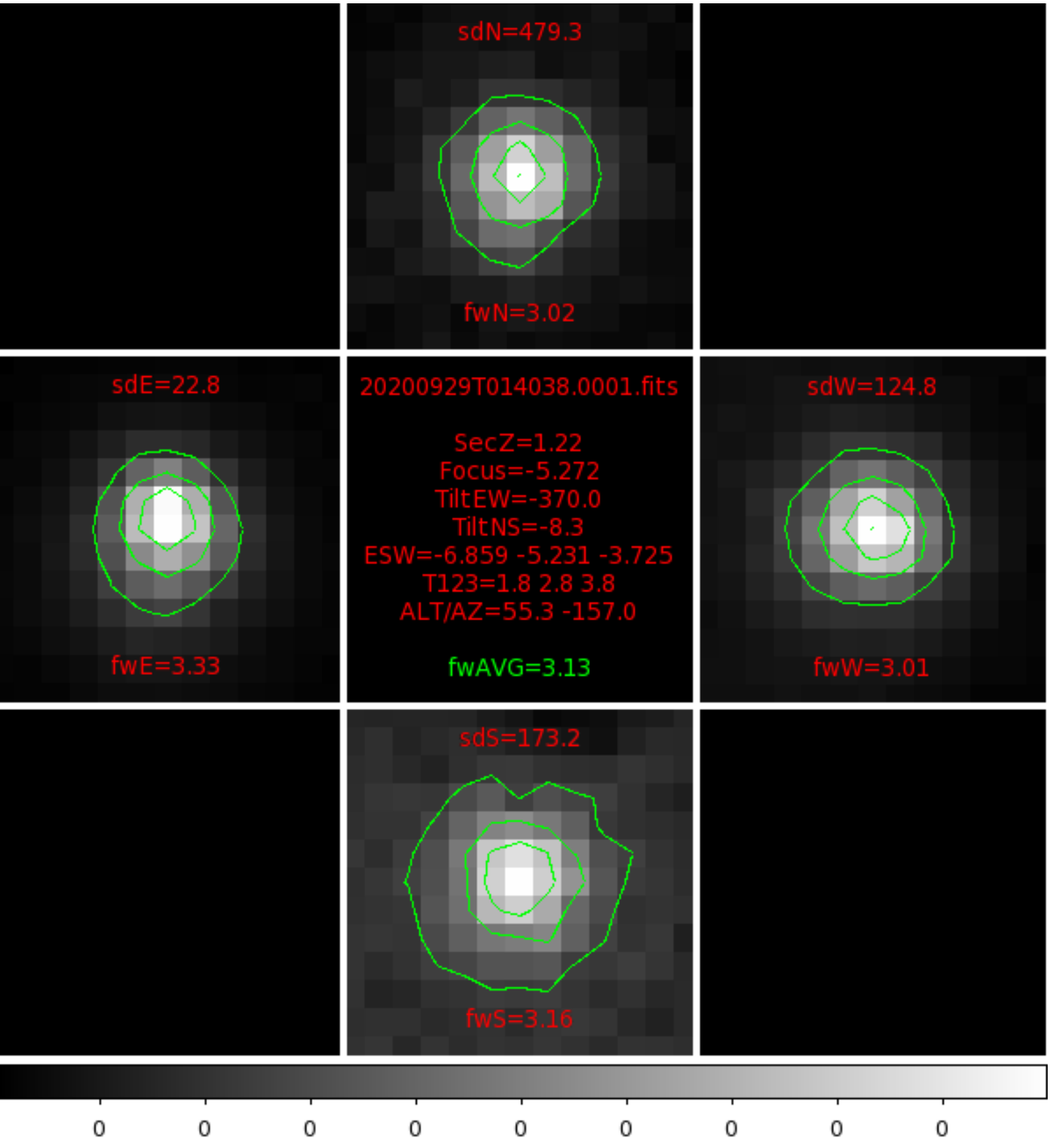

sdN=331.3
fwN=2.40
sdE=562.2
fwE=2.39
20200929T014009.0001.fits
SecZ=1.22
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.7 2.8 3.8
ALT/AZ=55.3 -157.2
fwAVG=2.61
sdW=794.8
fwW=2.73
sdS=74.6
fwS=2.92
0 0 0 0 0 0 0 0 0


sdN=479.3
fwN=3.02
sdE=22.8
fwE=3.33
20200929T014038.0001.fits
SecZ=1.22
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.8 2.8 3.8
ALT/AZ=55.3 -157.0
fwAVG=3.13
sdW=124.8
fwW=3.01
sdS=173.2
fwS=3.16
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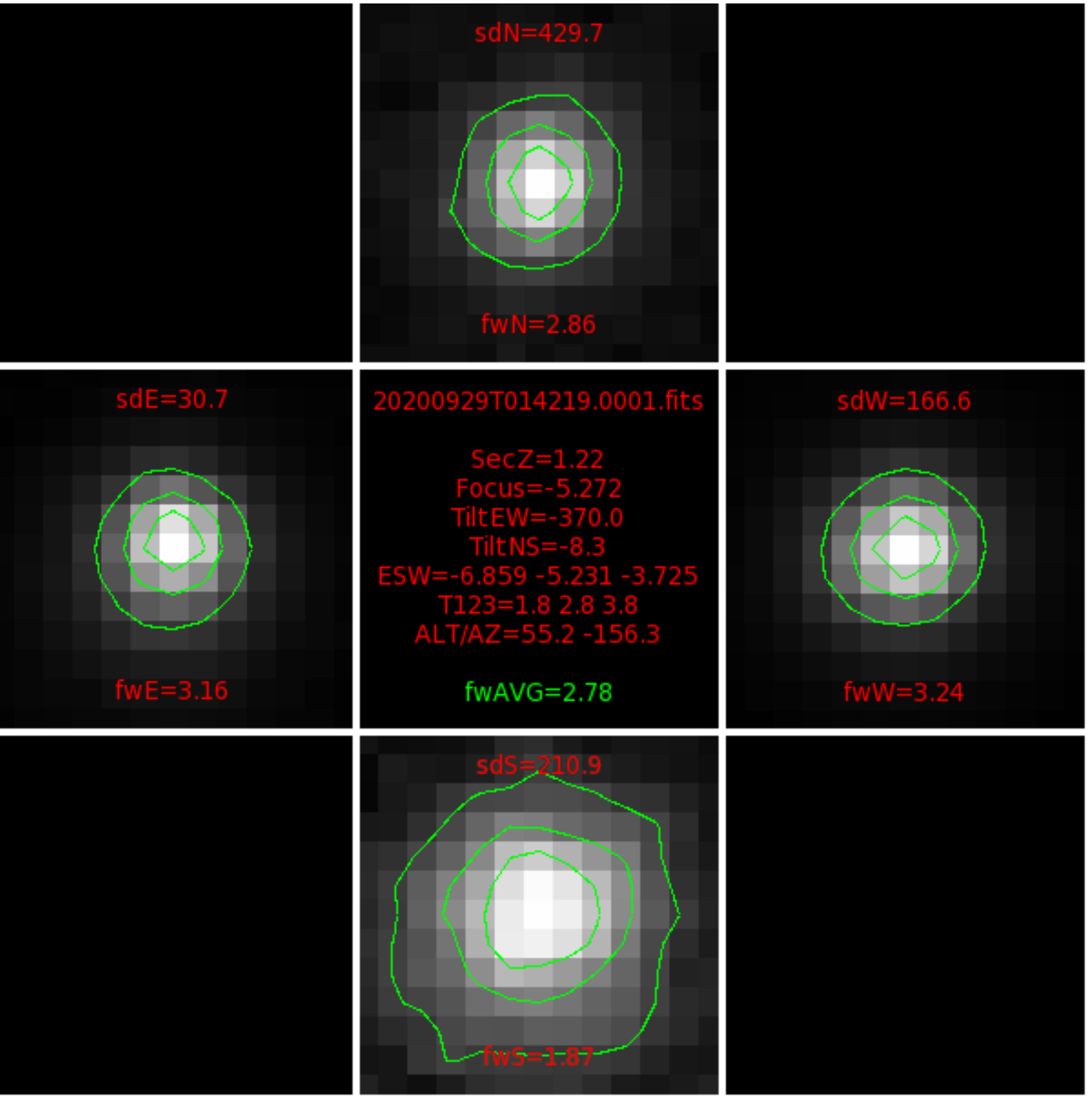
sdN=429.7
fwN=2.86
sdE=30.7
fwE=3.16
20200929T014219.0001.fits
SecZ=1.22
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.8 2.8 3.8
ALT/AZ=55.2 -156.3
fwAVG=2.78
sdW=166.6
fwW=3.24
sdS=210.9
fwS=1.87
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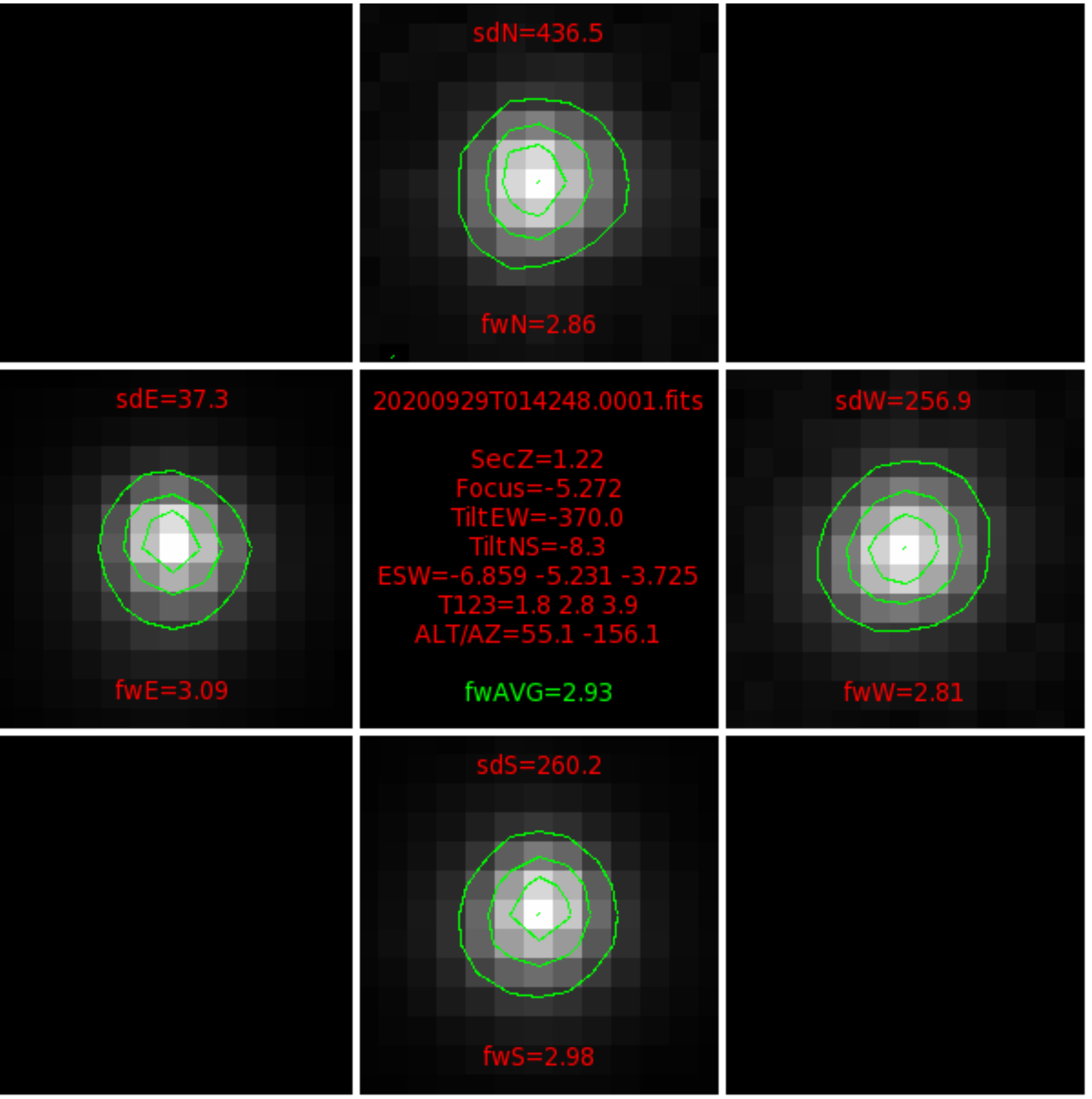
sdN=436.5
fwN=2.86
sdE=37.3
fwE=3.09
20200929T014248.0001.fits
SecZ=1.22
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.8 2.8 3.9
ALT/AZ=55.1 -156.1
fwAVG=2.93
sdW=256.9
fwW=2.81
sdS=260.2
fwS=2.98
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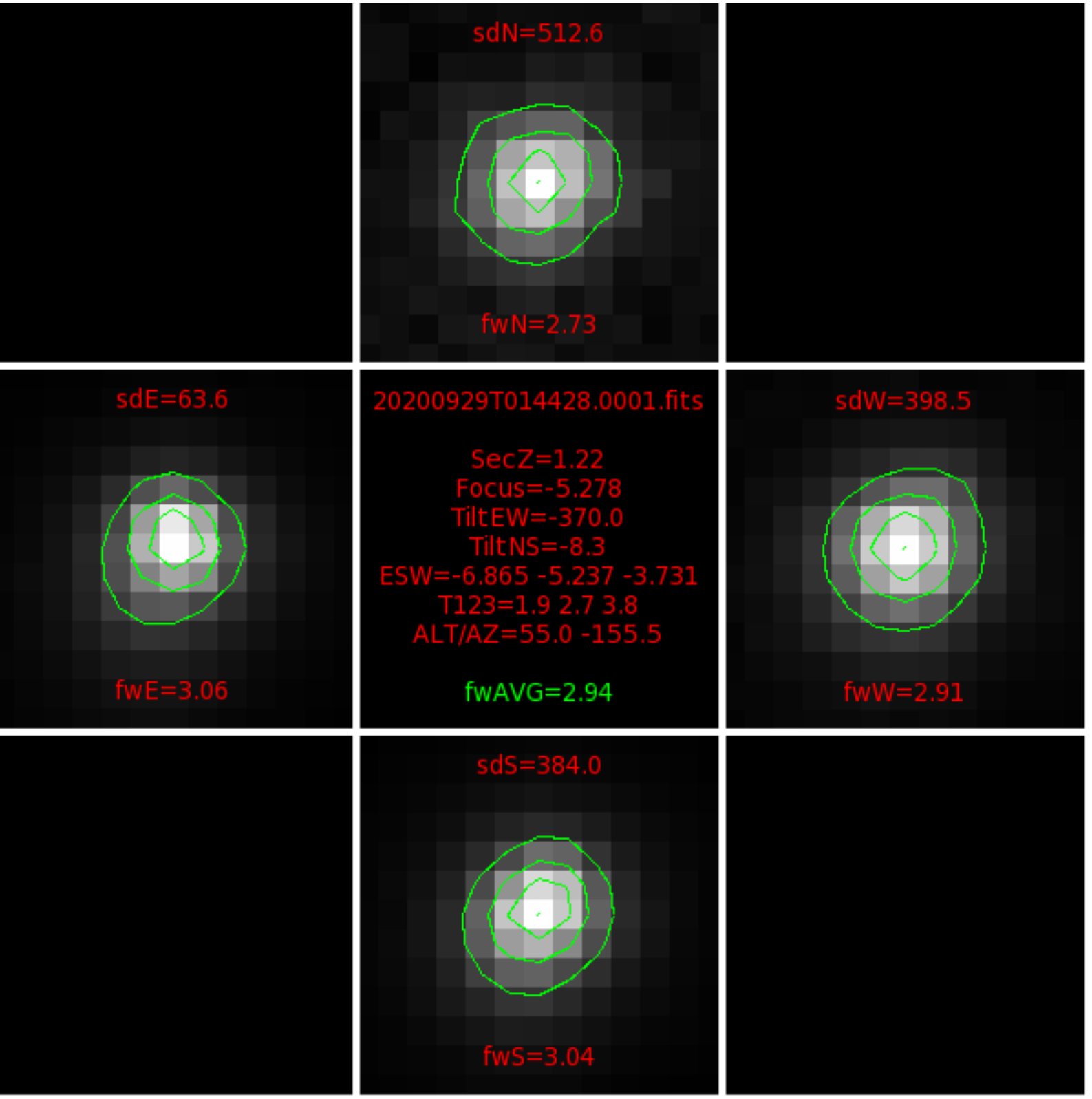
sdN=512.6
fwN=2.73
sdE=63.6
fwE=3.06
20200929T014428.0001.fits
SecZ=1.22
Focus=-5.278
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.865 -5.237 -3.731
T123=1.9 2.7 3.8
ALT/AZ=55.0 -155.5
fwAVG=2.94
sdW=398.5
fwW=2.91
sdS=384.0
fwS=3.04
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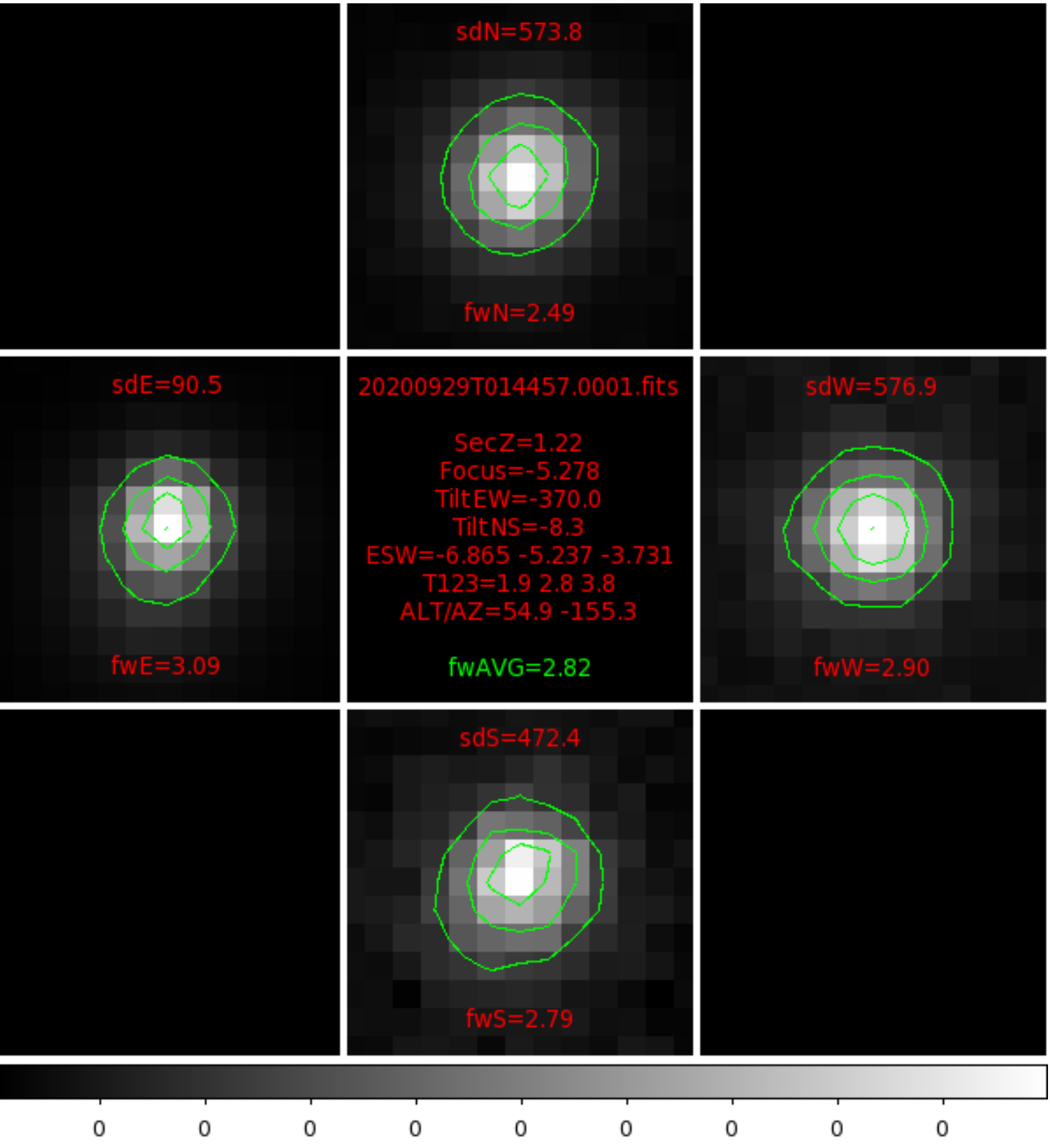
sdN=573.8
fwN=2.49
sdE=90.5
fwE=3.09
20200929T014457.0001.fits
SecZ=1.22
Focus=-5.278
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.865 -5.237 -3.731
T123=1.9 2.8 3.8
ALT/AZ=54.9 -155.3
fwAVG=2.82
sdW=576.9
fwW=2.90
sdS=472.4
fwS=2.79
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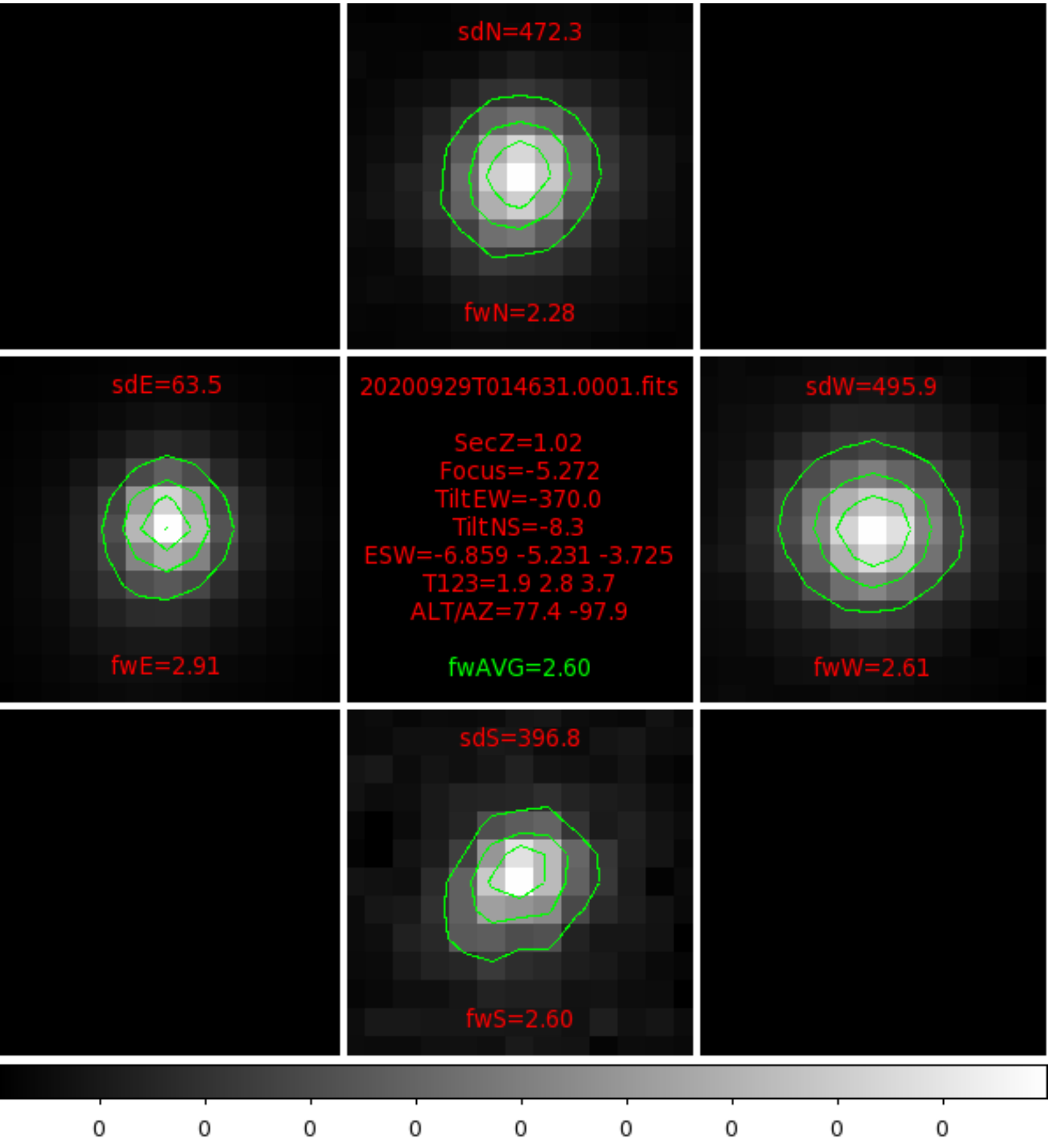
sdN=472.3
fwN=2.28
sdE=63.5
fwE=2.91
20200929T014631.0001.fits
SecZ=1.02
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.9 2.8 3.7
ALT/AZ=77.4 -97.9
fwAVG=2.60
sdW=495.9
fwW=2.61
sdS=396.8
fwS=2.60
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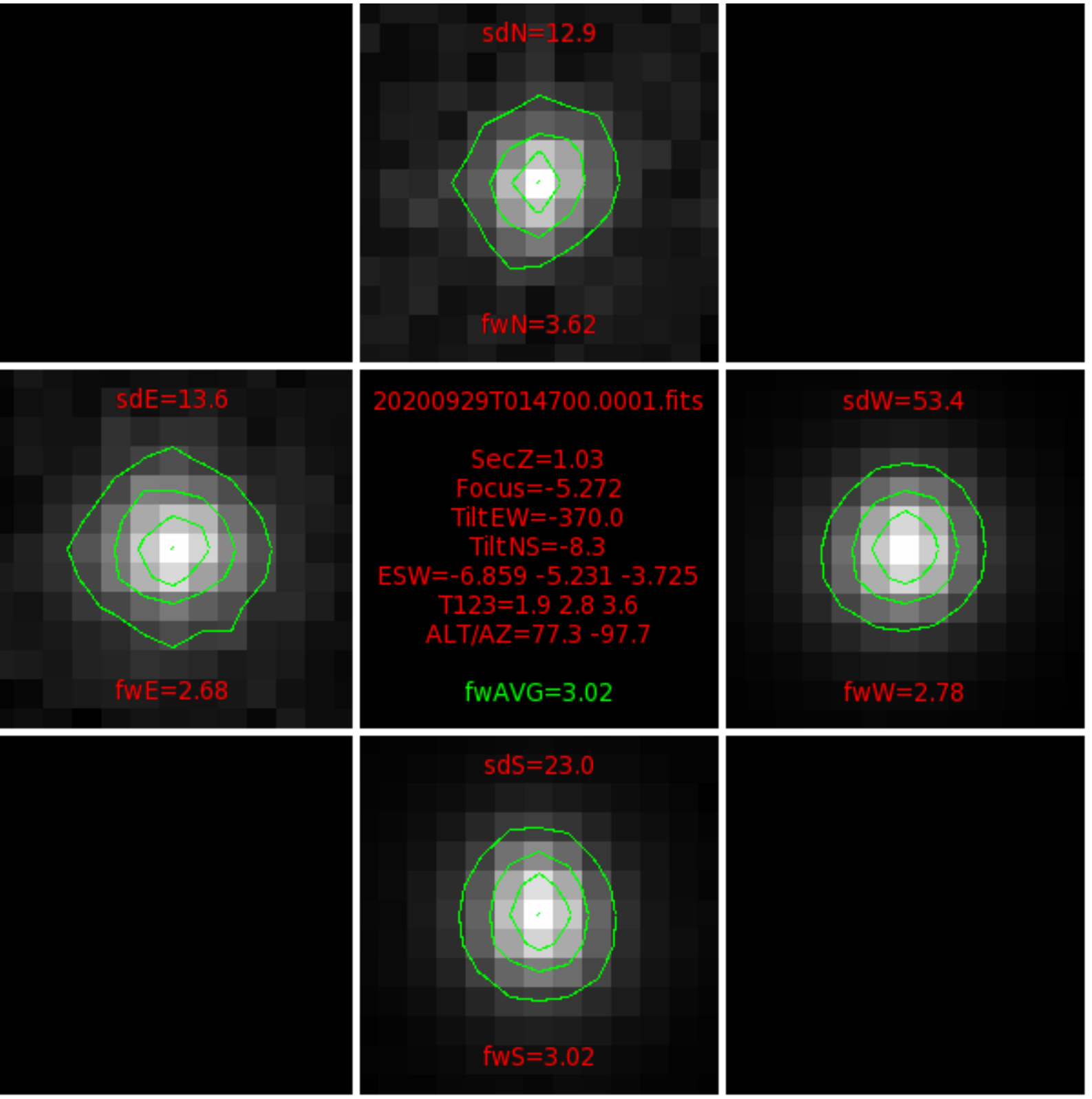
sdN=12.9
fwN=3.62
sdE=13.6
fwE=2.68
20200929T014700.0001.fits
SecZ=1.03
Focus=-5.272
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.859 -5.231 -3.725
T123=1.9 2.8 3.6
ALT/AZ=77.3 -97.7
fwAVG=3.02
sdW=53.4
fwW=2.78
sdS=23.0
fwS=3.02
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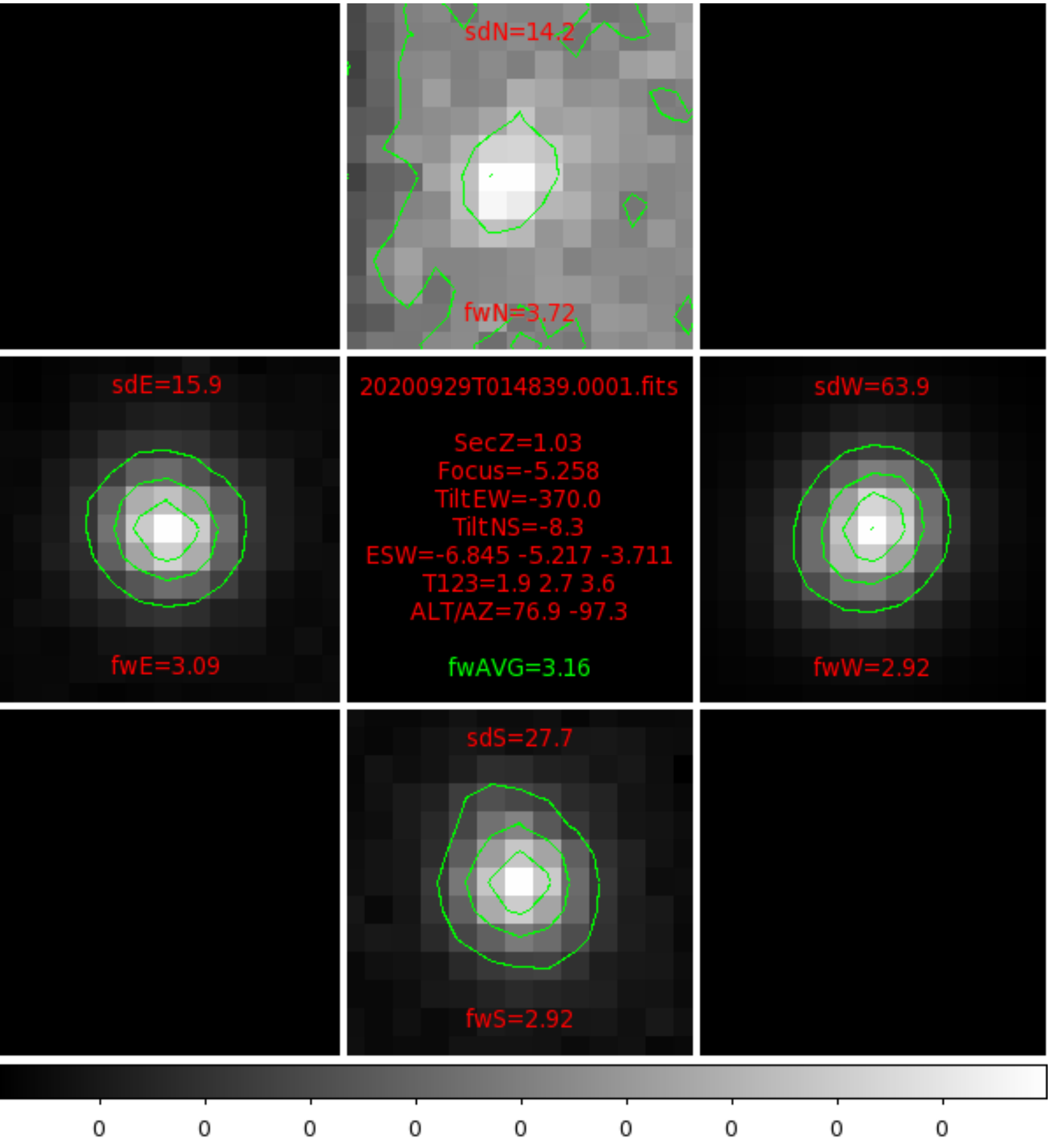
sdN=14.2
fwN=3.72
sdE=15.9
fwE=3.09
20200929T014839.0001.fits
SecZ=1.03
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.9 2.7 3.6
ALT/AZ=76.9 -97.3
fwAVG=3.16
sdW=63.9
fwW=2.92
sdS=27.7
fwS=2.92
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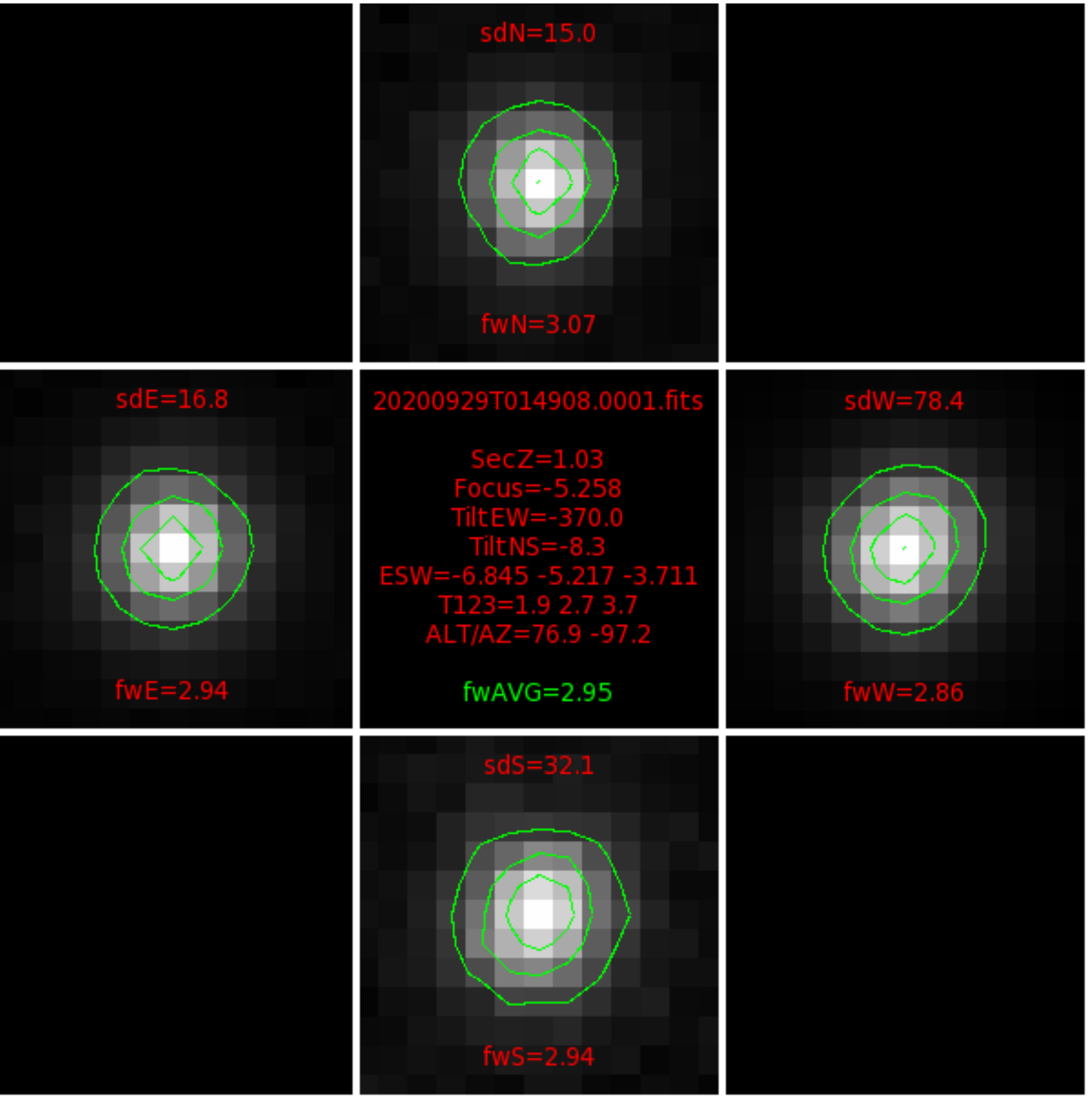
sdN=15.0
fwN=3.07
sdE=16.8
fwE=2.94
20200929T014908.0001.fits
SecZ=1.03
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.9 2.7 3.7
ALT/AZ=76.9 -97.2
fwAVG=2.95
sdW=78.4
fwW=2.86
sdS=32.1
fwS=2.94
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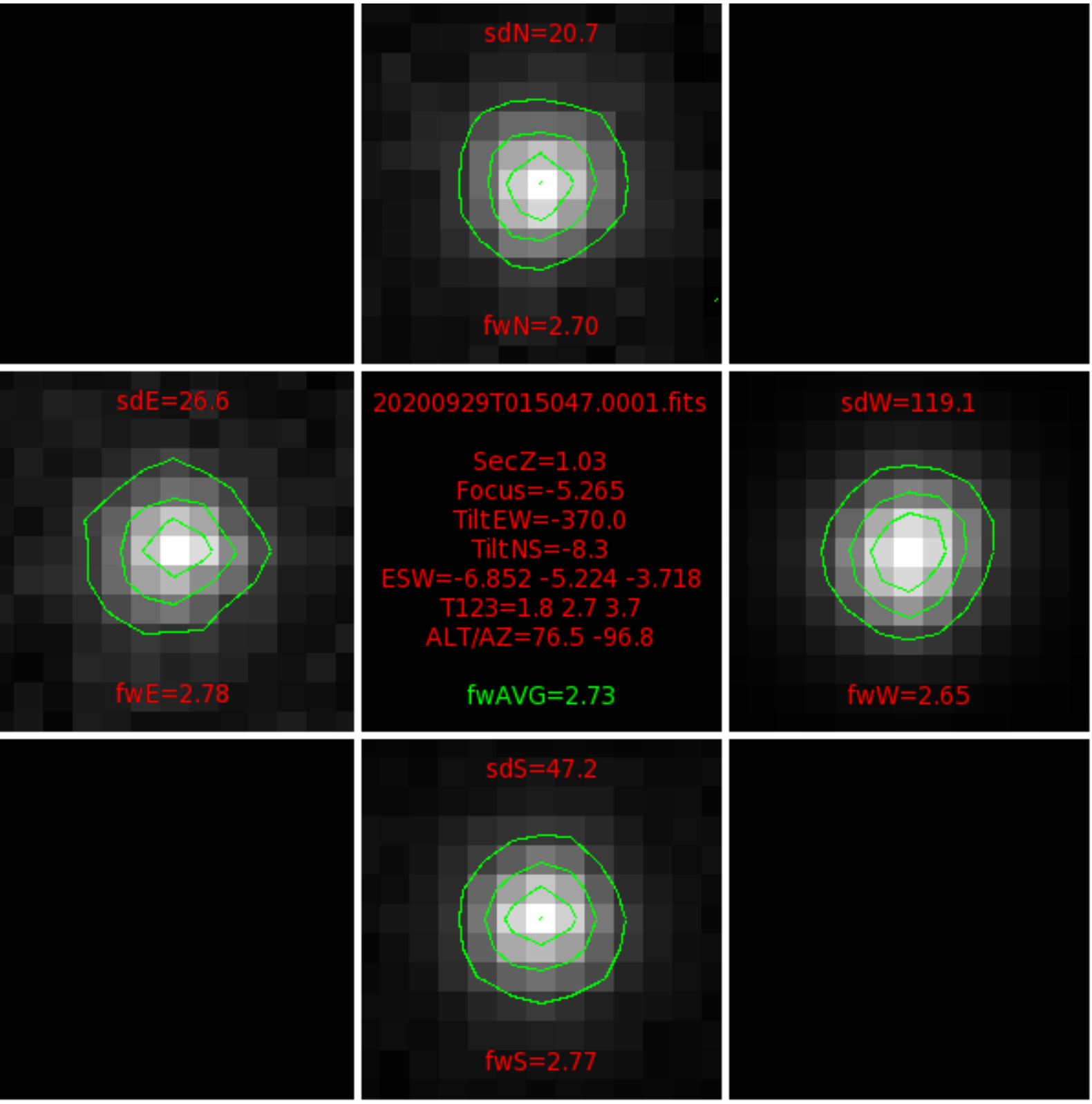
sdN=20.7
fwN=2.70
sdE=26.6
fwE=2.78
20200929T015047.0001.fits
SecZ=1.03
Focus=-5.265
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.852 -5.224 -3.718
T123=1.8 2.7 3.7
ALT/AZ=76.5 -96.8
fwAVG=2.73
sdW=119.1
fwW=2.65
sdS=47.2
fwS=2.77
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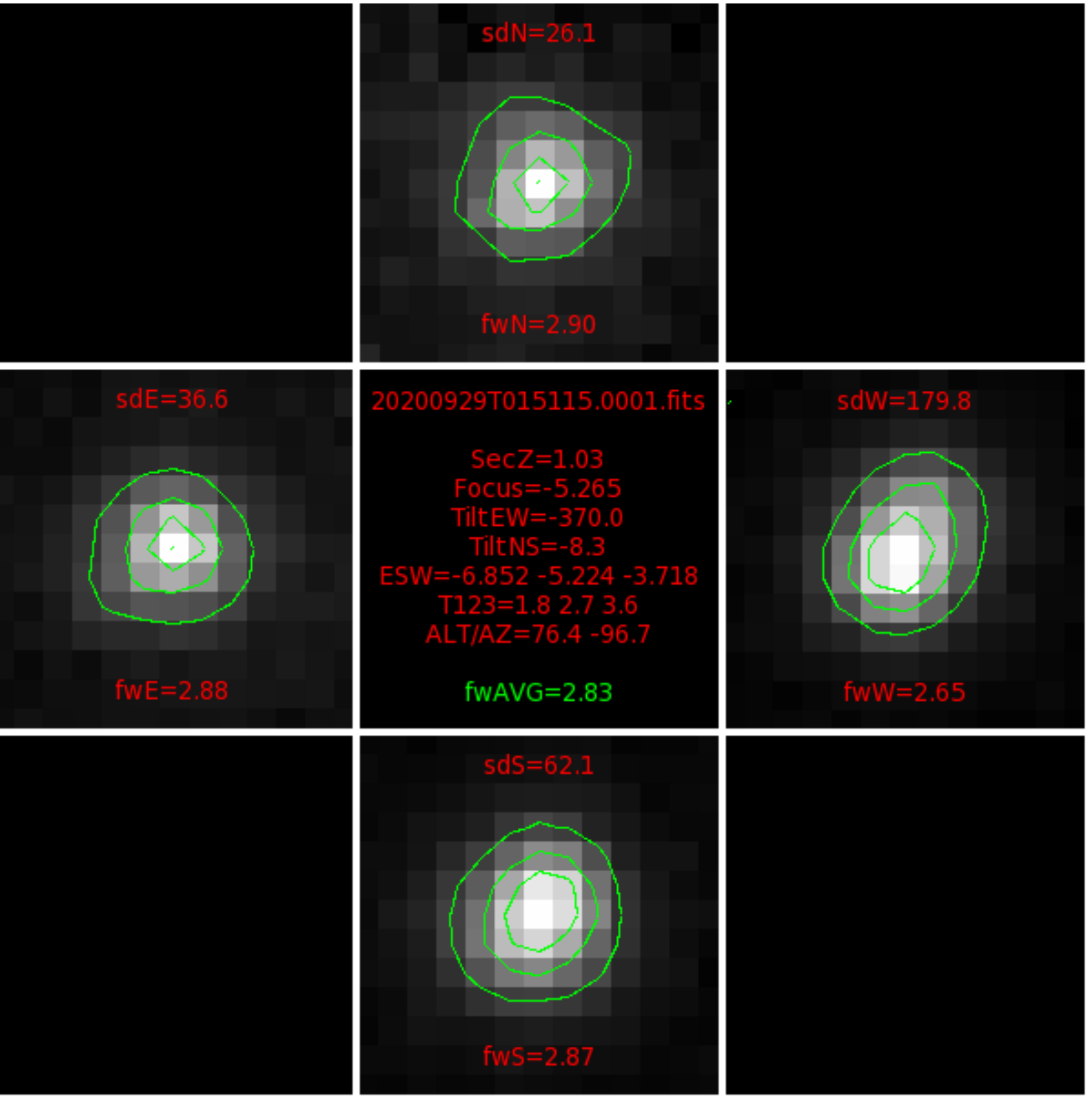
sdN=26.1
fwN=2.90
sdE=36.6
fwE=2.88
20200929T015115.0001.fits
SecZ=1.03
Focus=-5.265
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.852 -5.224 -3.718
T123=1.8 2.7 3.6
ALT/AZ=76.4 -96.7
fwAVG=2.83
sdW=179.8
fwW=2.65
sdS=62.1
fwS=2.87
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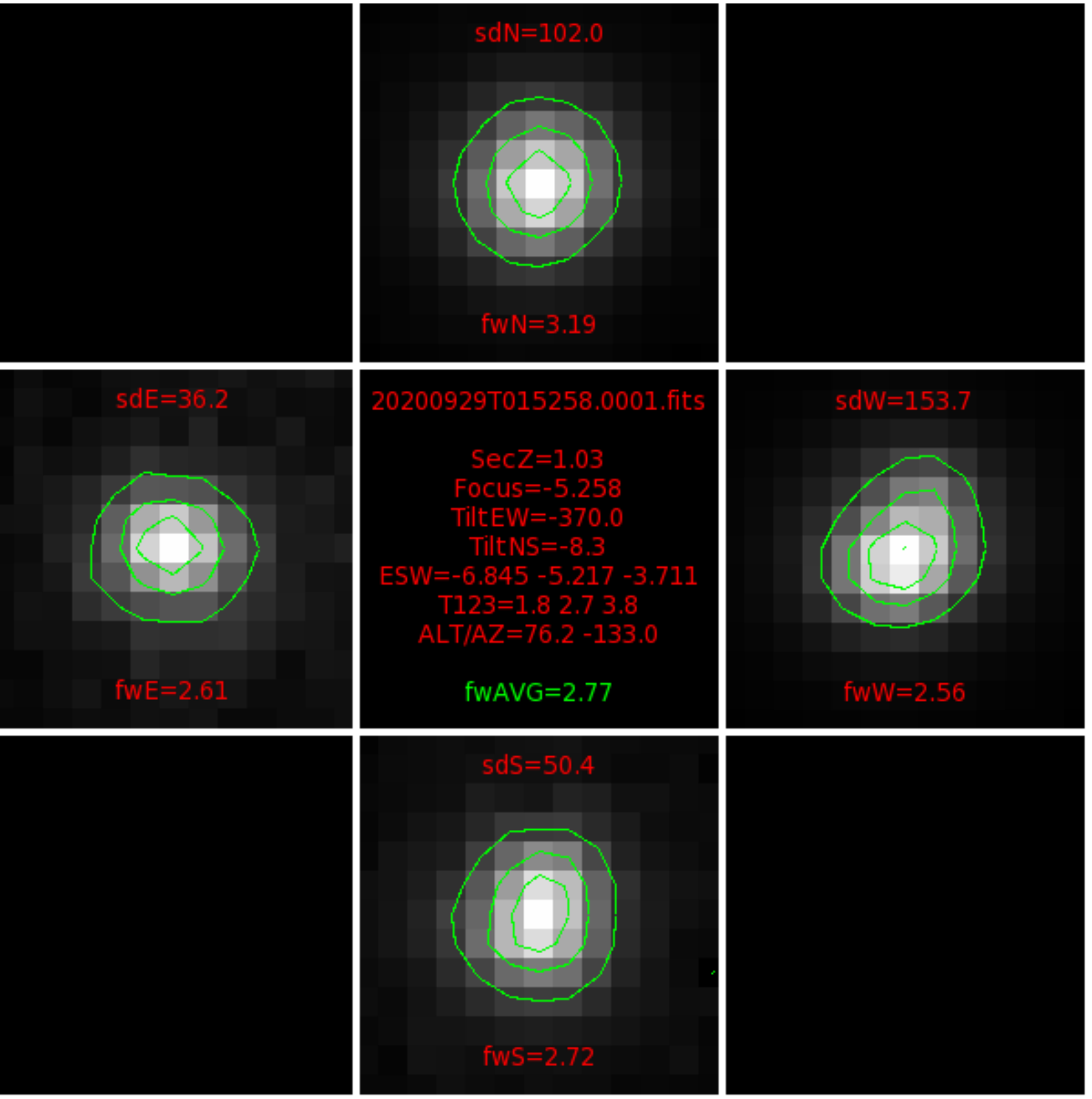
sdN=102.0
fwN=3.19
sdE=36.2
fwE=2.61
20200929T015258.0001.fits
SecZ=1.03
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.8 2.7 3.8
ALT/AZ=76.2 -133.0
fwAVG=2.77
sdW=153.7
fwW=2.56
sdS=50.4
fwS=2.72
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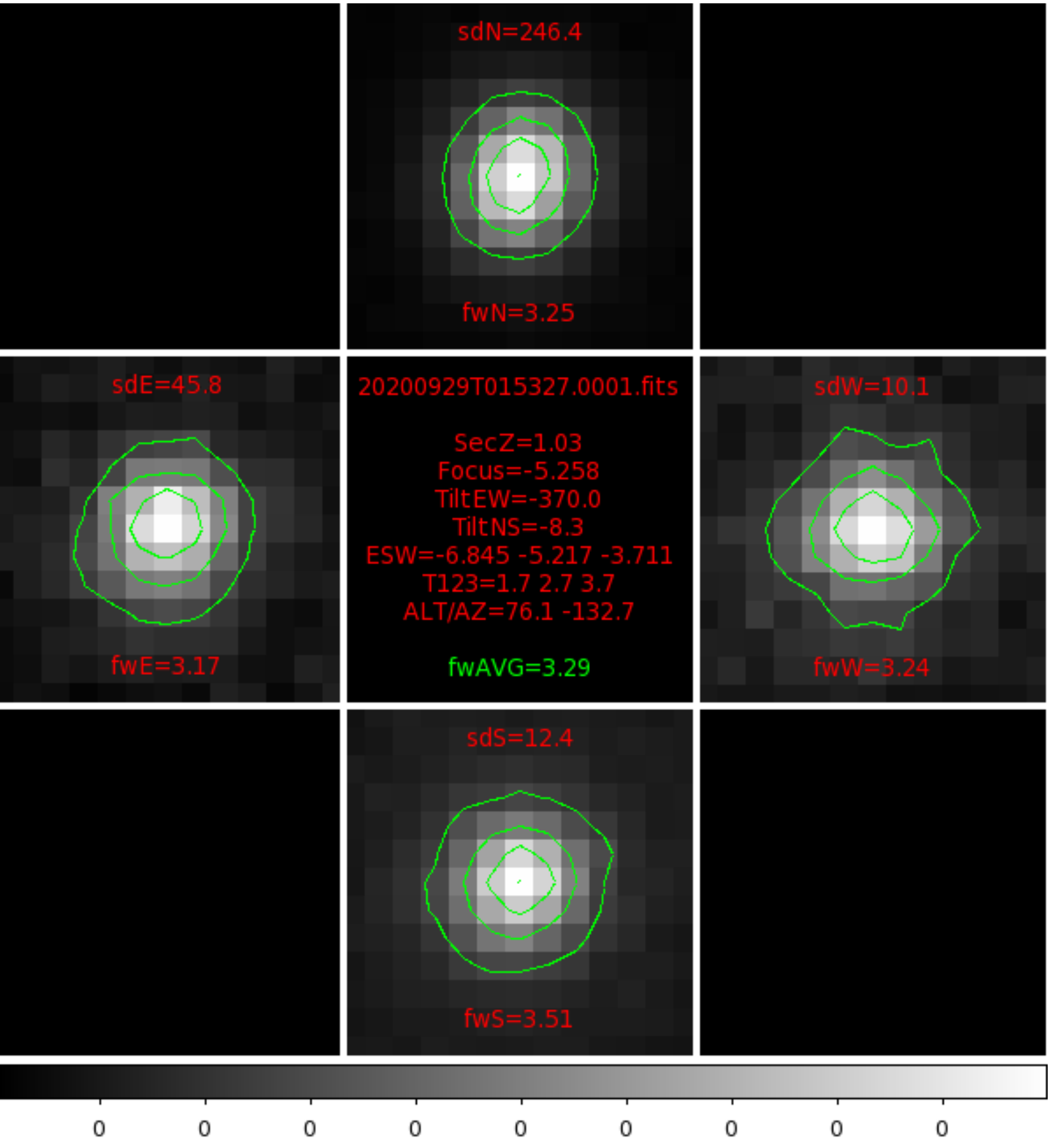
sdN=246.4
fwN=3.25
sdE=45.8
fwE=3.17
20200929T015327.0001.fits
SecZ=1.03
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.7 2.7 3.7
ALT/AZ=76.1 -132.7
fwAVG=3.29
sdW=10.1
fwW=3.24
sdS=12.4
fwS=3.51
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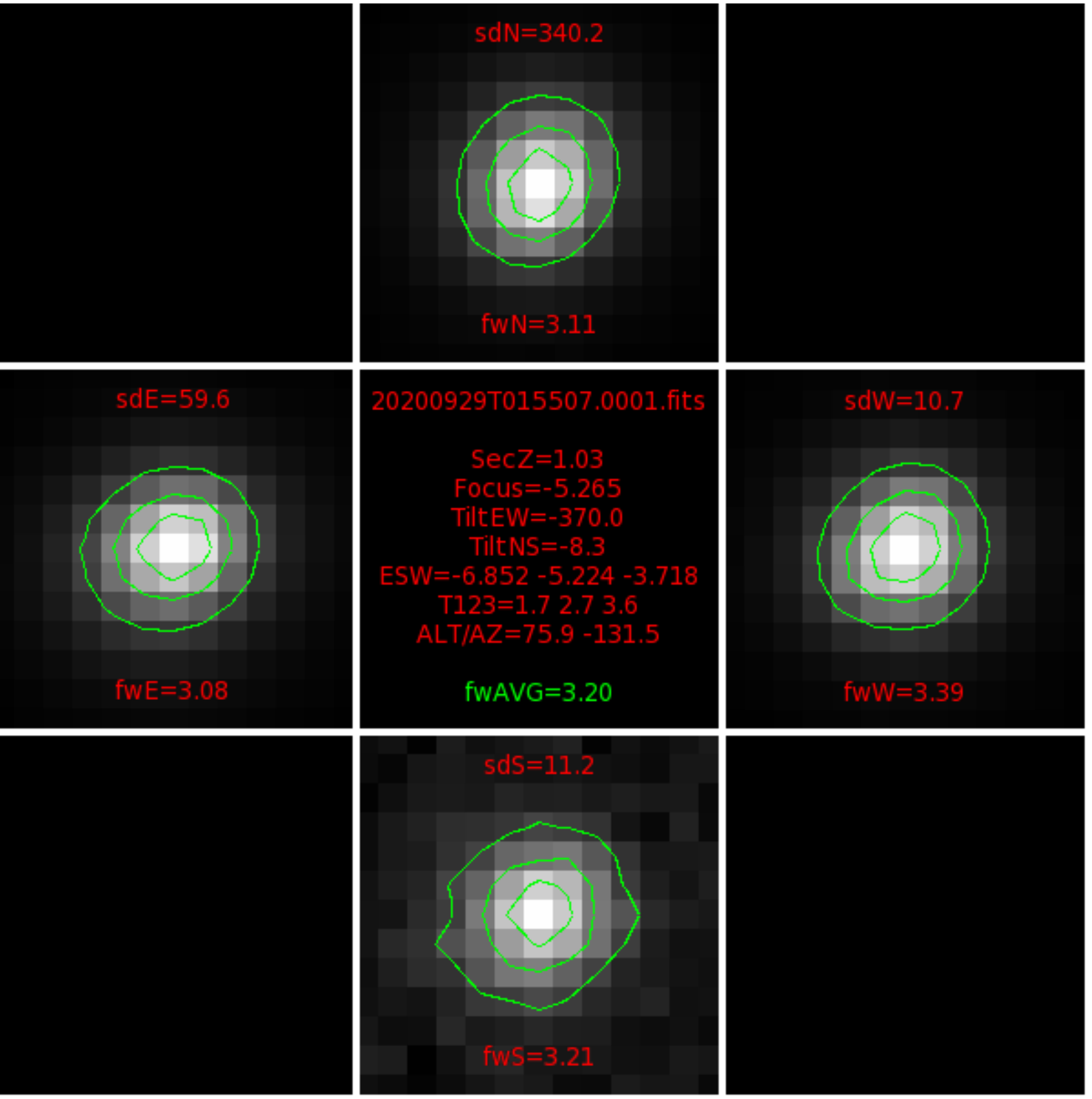
sdN=340.2
fwN=3.11
sdE=59.6
fwE=3.08
20200929T015507.0001.fits
SecZ=1.03
Focus=-5.265
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.852 -5.224 -3.718
T123=1.7 2.7 3.6
ALT/AZ=75.9 -131.5
fwAVG=3.20
sdW=10.7
fwW=3.39
sdS=11.2
fwS=3.21
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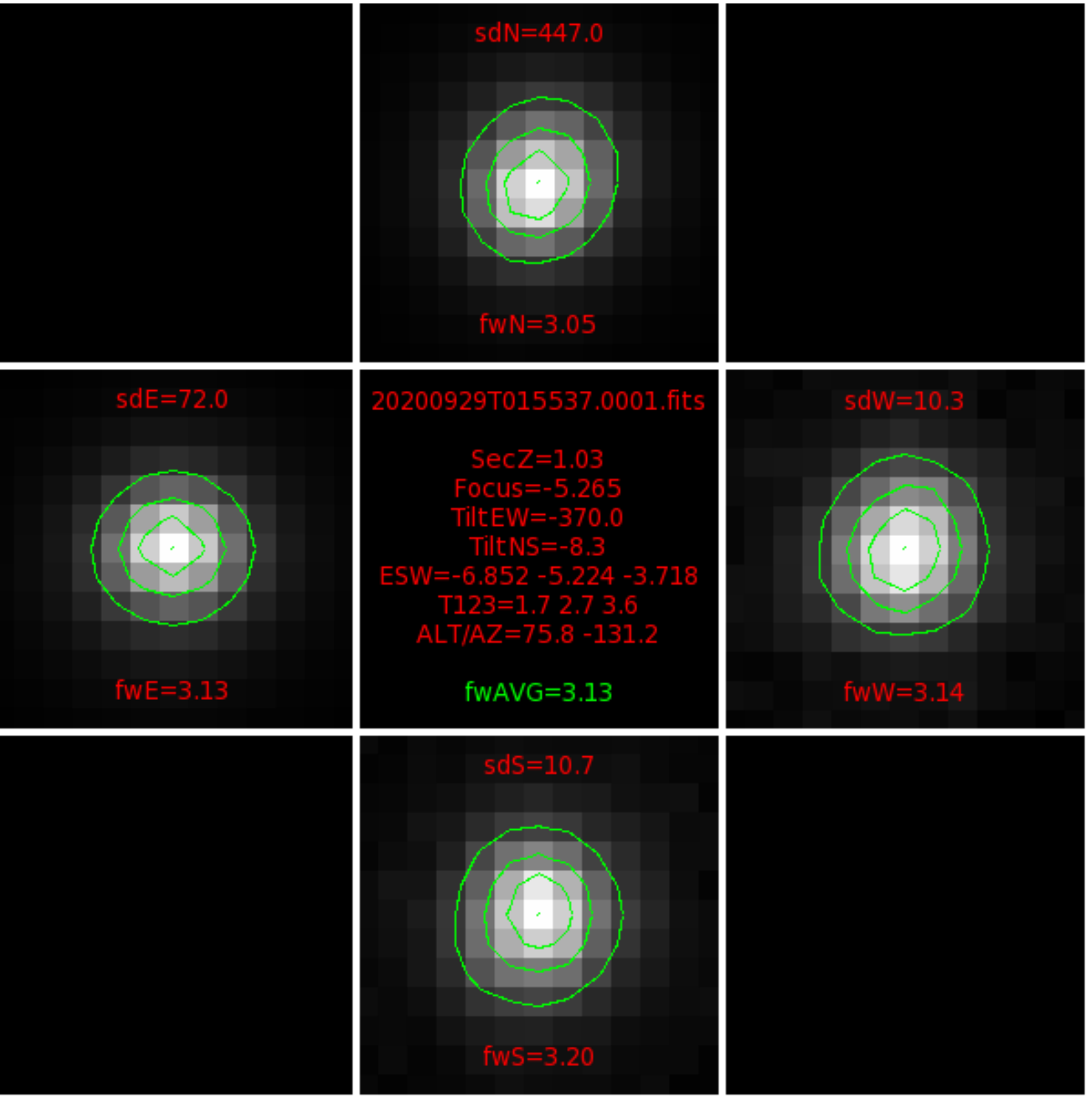
sdN=447.0
fwN=3.05
sdE=72.0
fwE=3.13
20200929T015537.0001.fits
SecZ=1.03
Focus=-5.265
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.852 -5.224 -3.718
T123=1.7 2.7 3.6
ALT/AZ=75.8 -131.2
fwAVG=3.13
sdW=10.3
fwW=3.14
sdS=10.7
fwS=3.20
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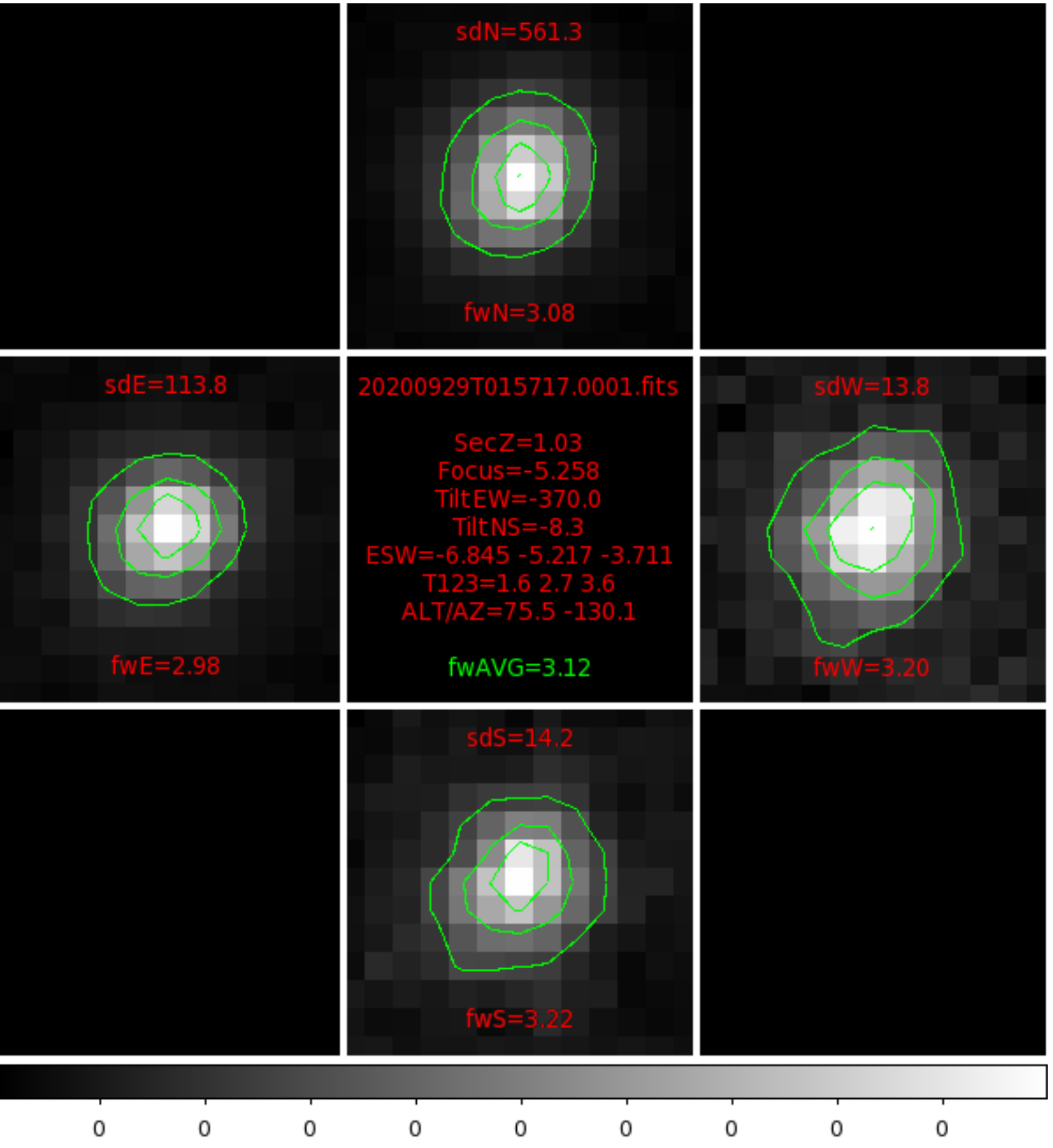
sdN=561.3
fwN=3.08
sdE=113.8
fwE=2.98
20200929T015717.0001.fits
SecZ=1.03
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.6 2.7 3.6
ALT/AZ=75.5 -130.1
fwAVG=3.12
sdW=13.8
fwW=3.20
sdS=14.2
fwS=3.22
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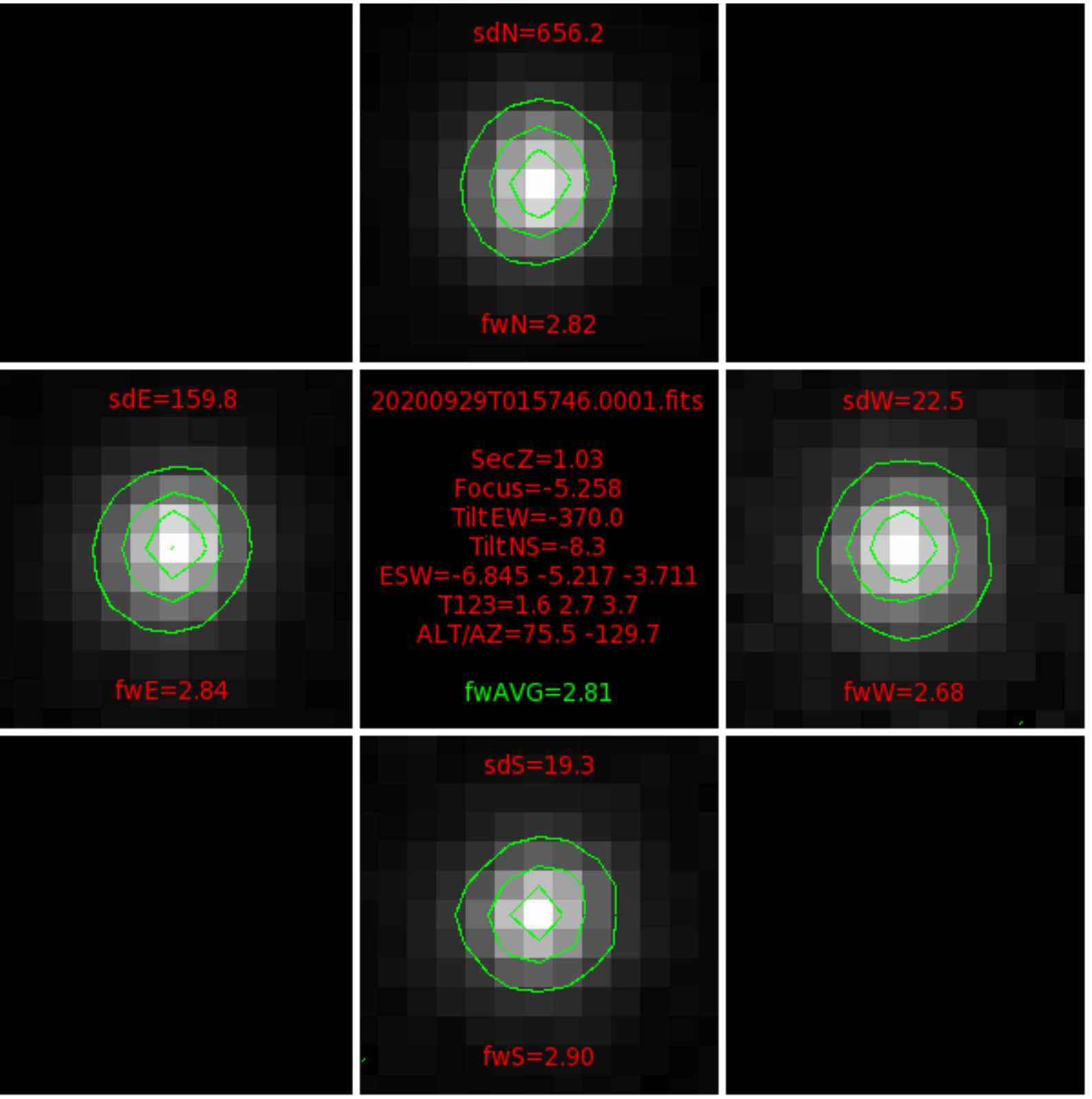
sdN=656.2
fwN=2.82
sdE=159.8
fwE=2.84
20200929T015746.0001.fits
SecZ=1.03
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.6 2.7 3.7
ALT/AZ=75.5 -129.7
fwAVG=2.81
sdW=22.5
fwW=2.68
sdS=19.3
fwS=2.90
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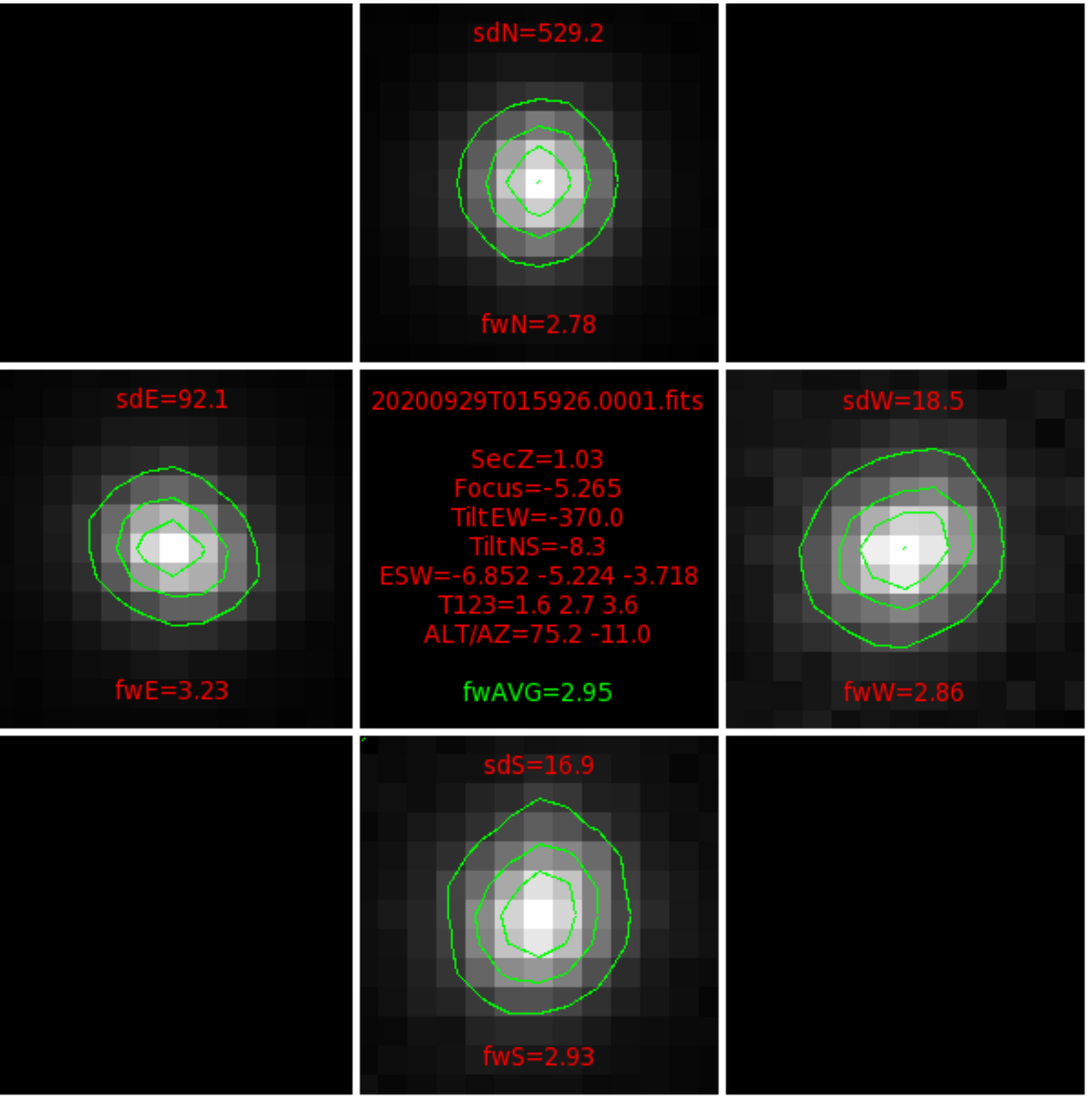
sdN=529.2
fwN=2.78
sdE=92.1
fwE=3.23
20200929T015926.0001.fits
SecZ=1.03
Focus=-5.265
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.852 -5.224 -3.718
T123=1.6 2.7 3.6
ALT/AZ=75.2 -11.0
fwAVG=2.95
sdW=18.5
fwW=2.86
sdS=16.9
fwS=2.93
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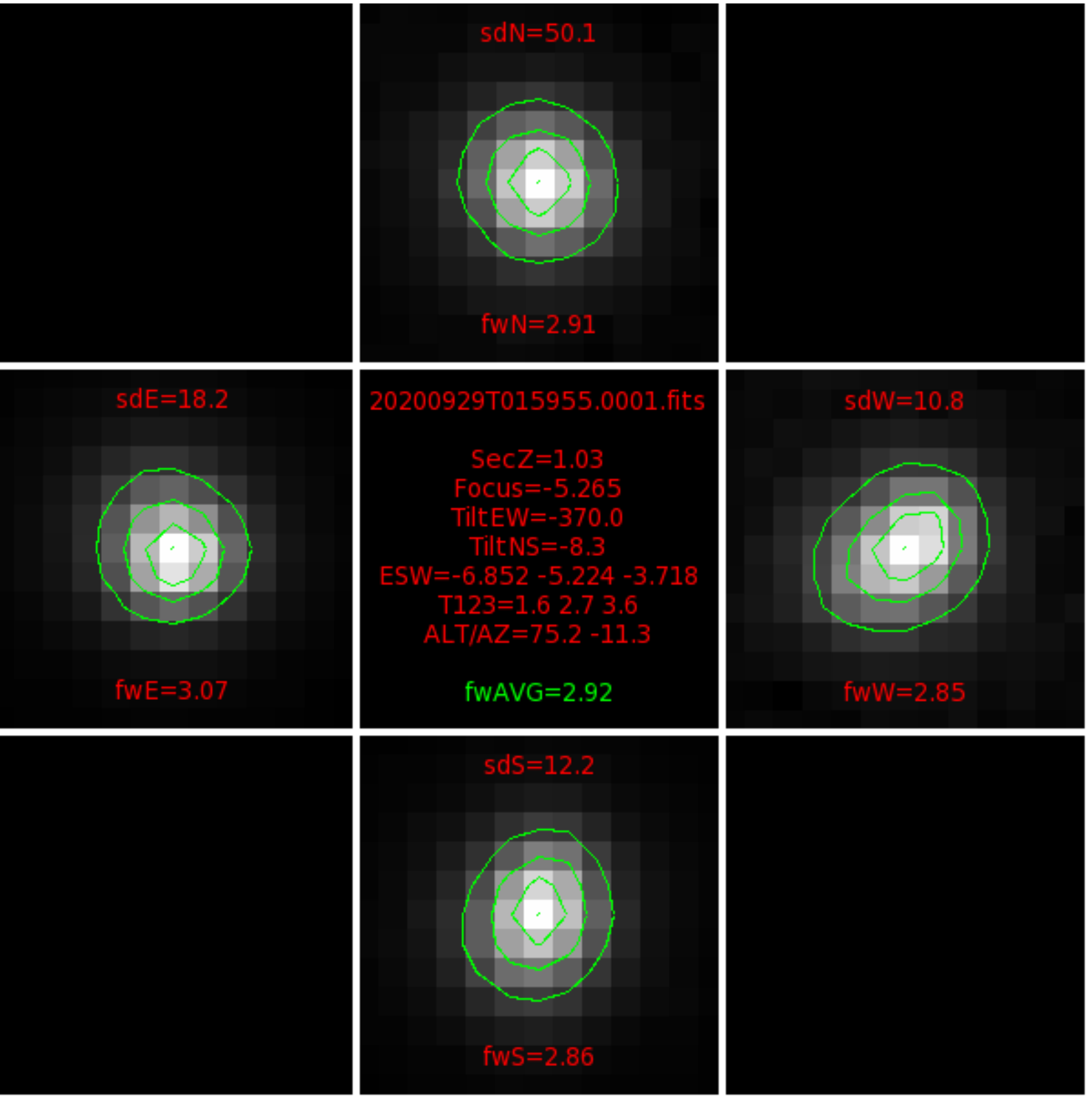
sdN=50.1
fwN=2.91
sdE=18.2
fwE=3.07
20200929T015955.0001.fits
SecZ=1.03
Focus=-5.265
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.852 -5.224 -3.718
T123=1.6 2.7 3.6
ALT/AZ=75.2 -11.3
fwAVG=2.92
sdW=10.8
fwW=2.85
sdS=12.2
fwS=2.86
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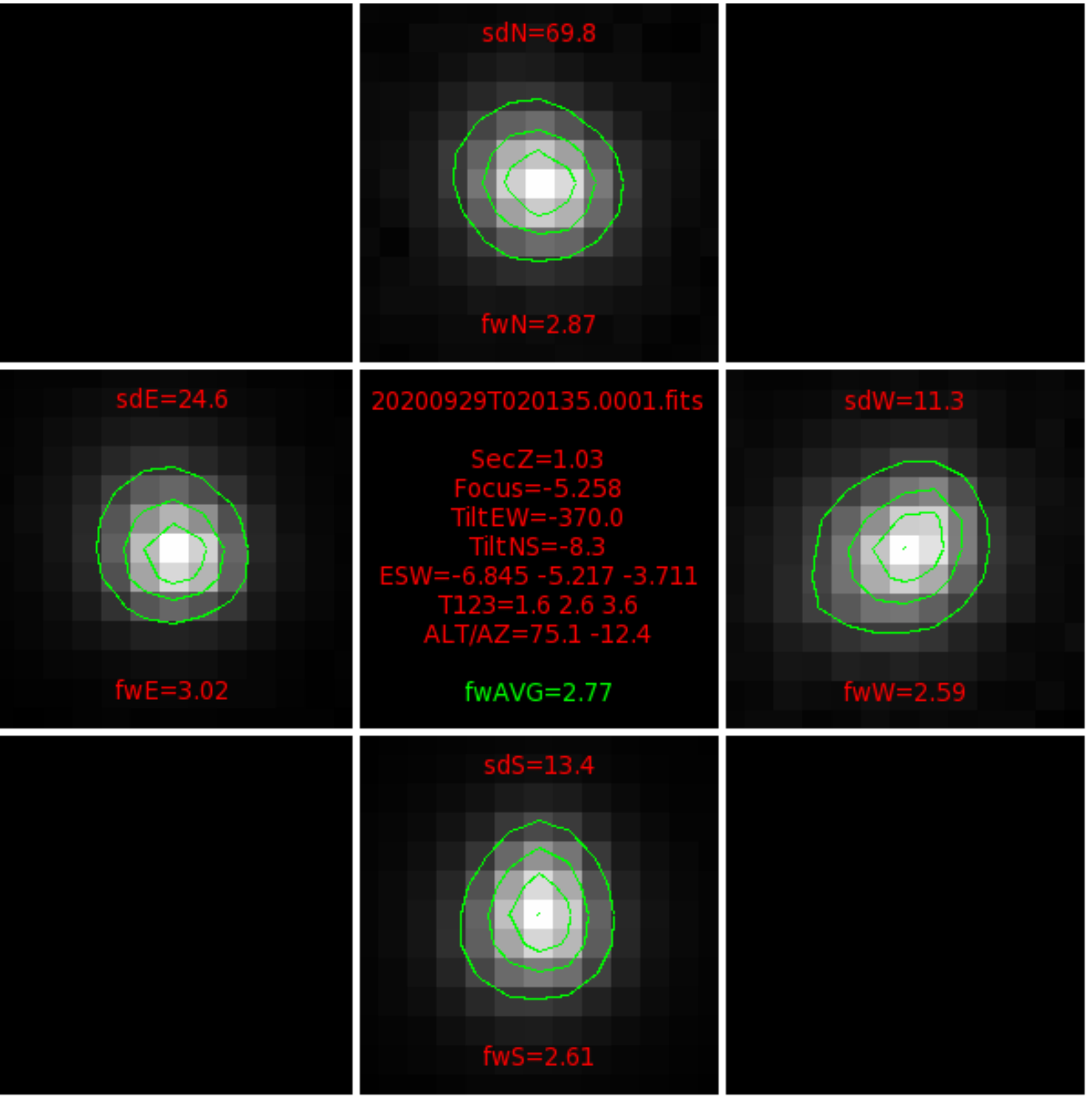
sdN=69.8
fwN=2.87
sdE=24.6
fwE=3.02
20200929T020135.0001.fits
SecZ=1.03
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.6 2.6 3.6
ALT/AZ=75.1 -12.4
fwAVG=2.77
sdW=11.3
fwW=2.59
sdS=13.4
fwS=2.61
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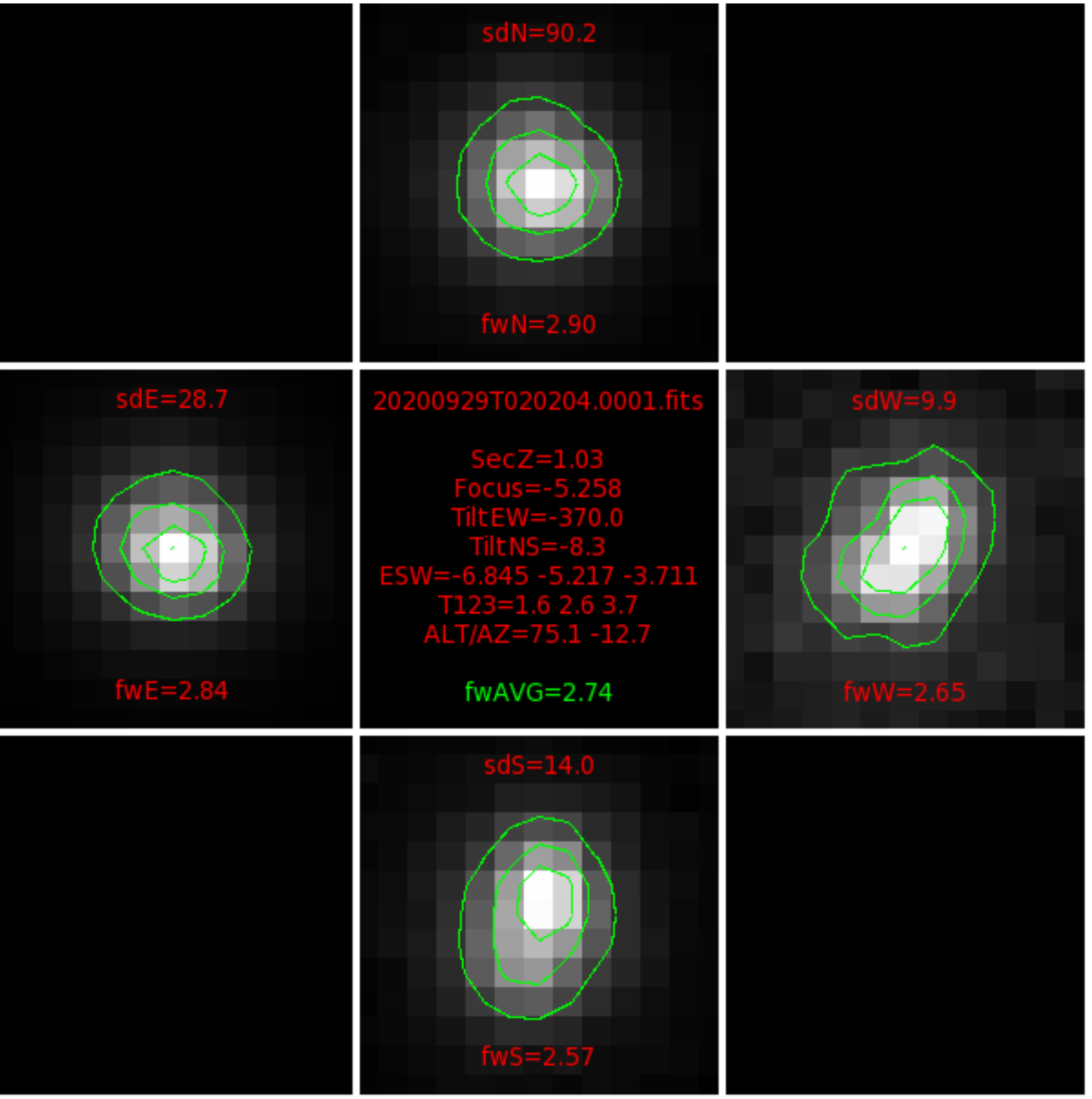
sdN=90.2
fwN=2.90
sdE=28.7
fwE=2.84
20200929T020204.0001.fits
SecZ=1.03
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.6 2.6 3.7
ALT/AZ=75.1 -12.7
fwAVG=2.74
sdW=9.9
fwW=2.65
sdS=14.0
fwS=2.57
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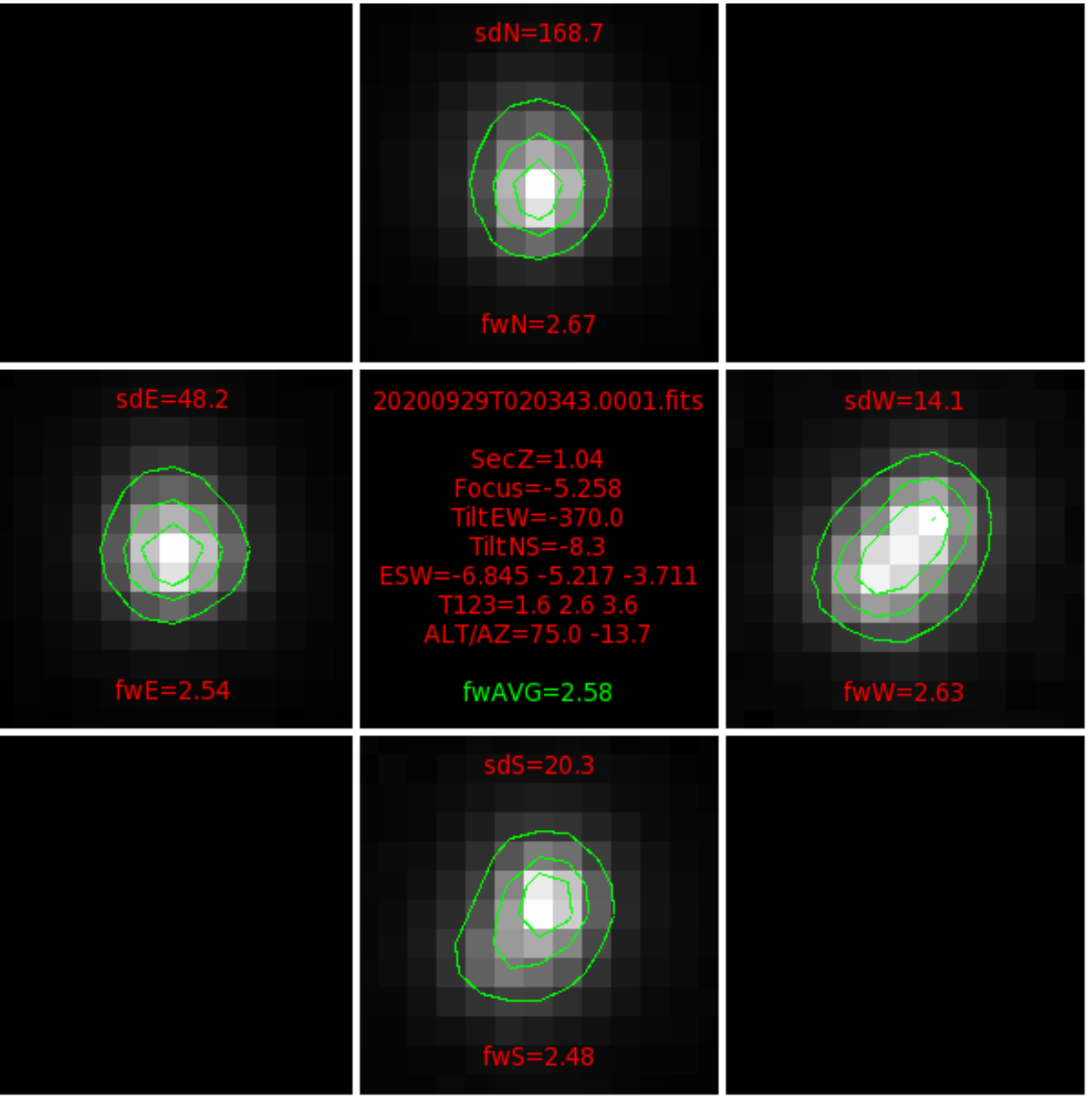
sdN=168.7
fwN=2.67
sdE=48.2
fwE=2.54
20200929T020343.0001.fits
SecZ=1.04
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.6 2.6 3.6
ALT/AZ=75.0 -13.7
fwAVG=2.58
sdW=14.1
fwW=2.63
sdS=20.3
fwS=2.48
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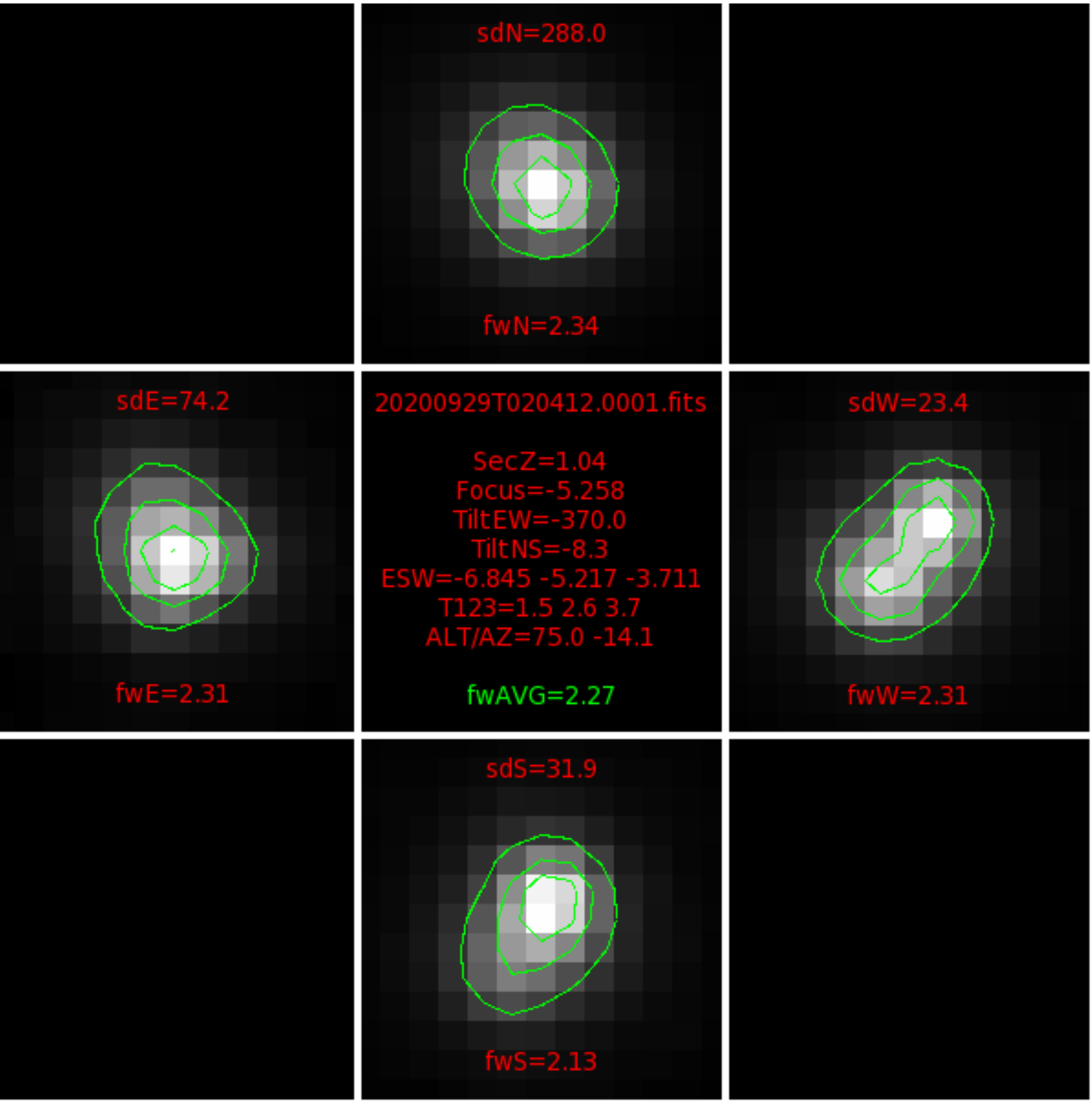
sdN=288.0
fwN=2.34
sdE=74.2
fwE=2.31
20200929T020412.0001.fits
SecZ=1.04
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.5 2.6 3.7
ALT/AZ=75.0 -14.1
fwAVG=2.27
sdW=23.4
fwW=2.31
sdS=31.9
fwS=2.13
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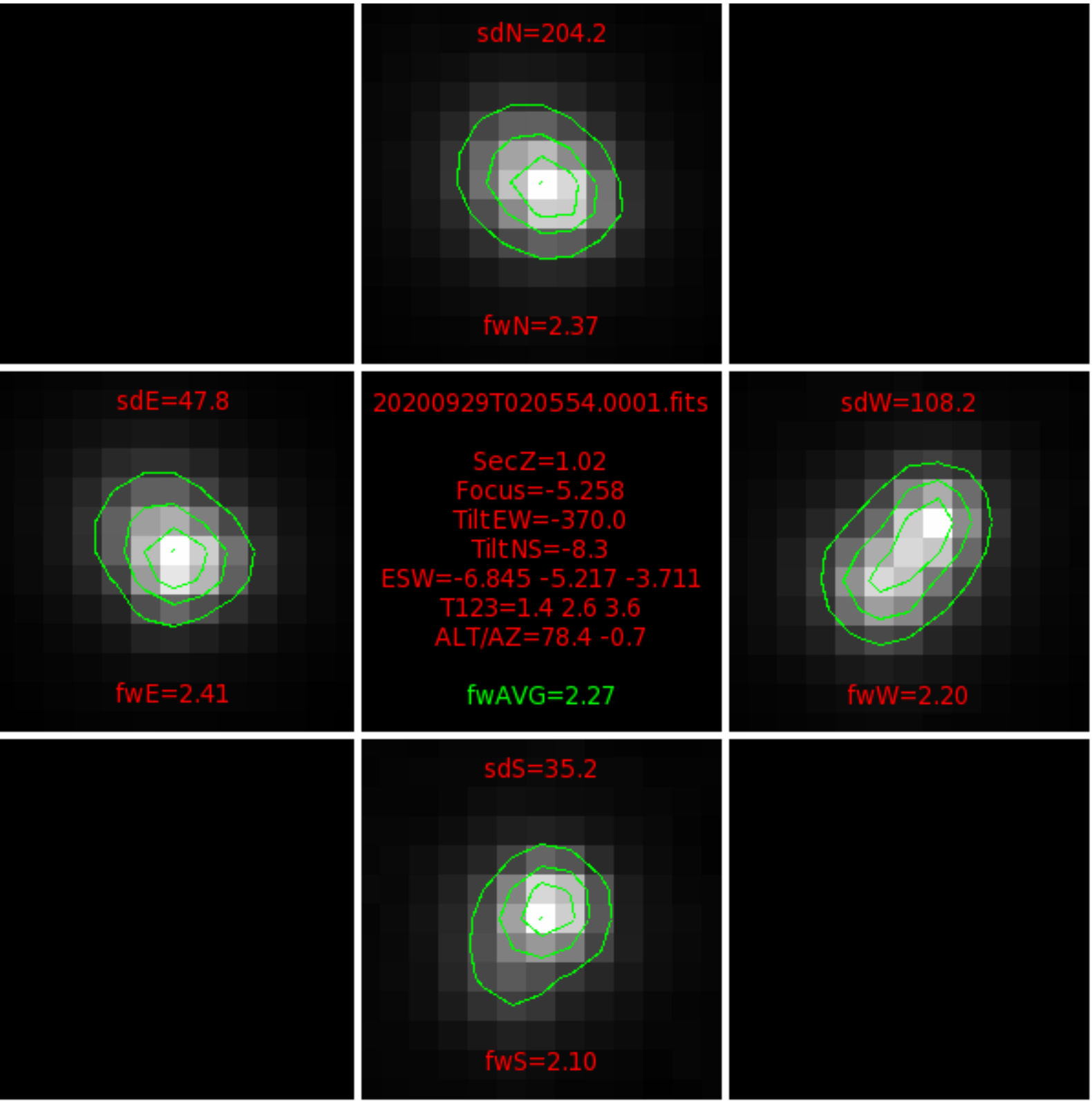
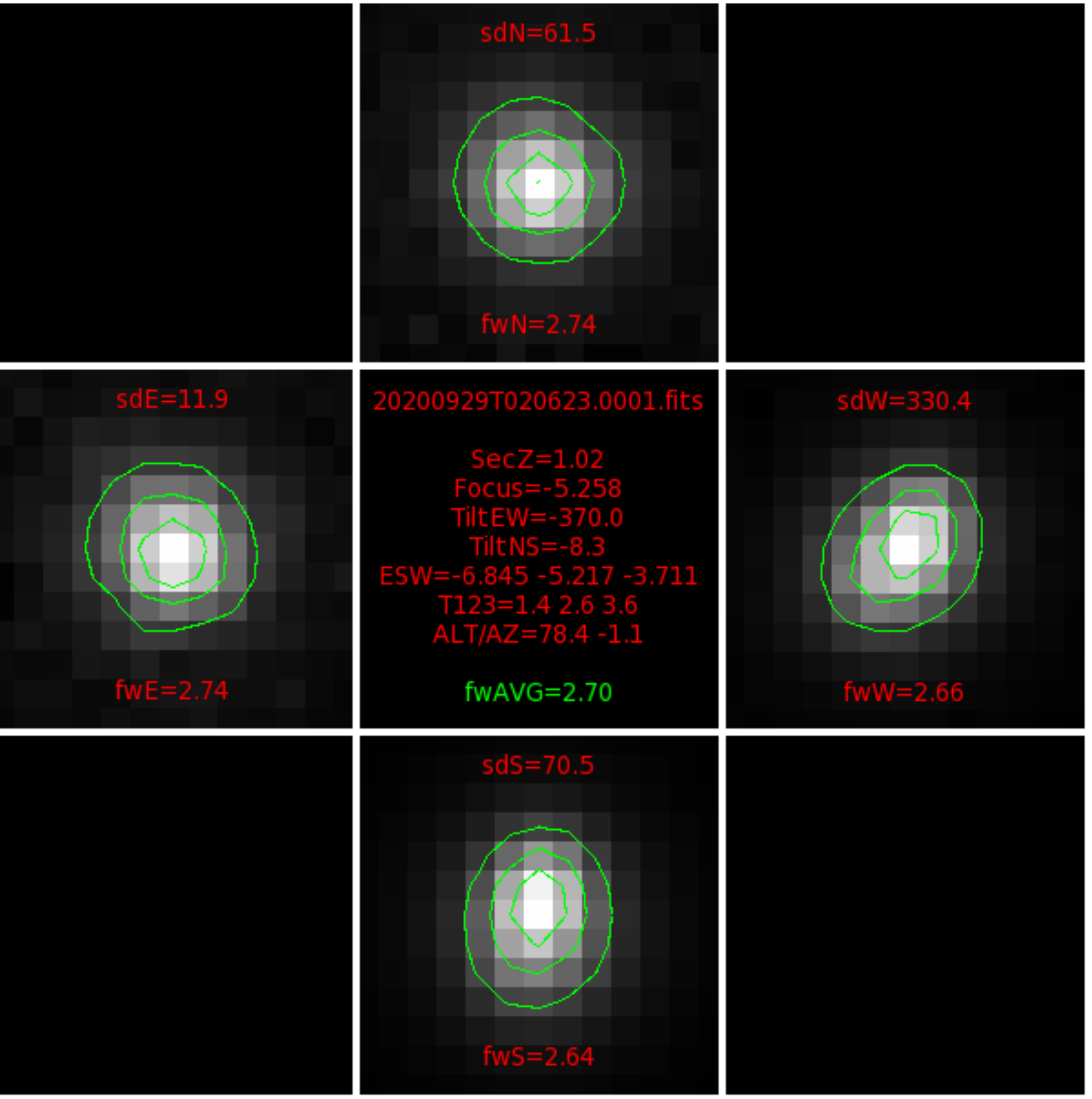

sdN=204.2
fwN=2.37
sdE=47.8
fwE=2.41
20200929T020554.0001.fits
SecZ=1.02
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.4 2.6 3.6
ALT/AZ=78.4 -0.7
fwAVG=2.27
sdW=108.2
fwW=2.20
sdS=35.2
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=61.5
fwN=2.74
sdE=11.9
fwE=2.74
20200929T020623.0001.fits
SecZ=1.02
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.4 2.6 3.6
ALT/AZ=78.4 -1.1
fwAVG=2.70
sdW=330.4
fwW=2.66
sdS=70.5
fwS=2.64
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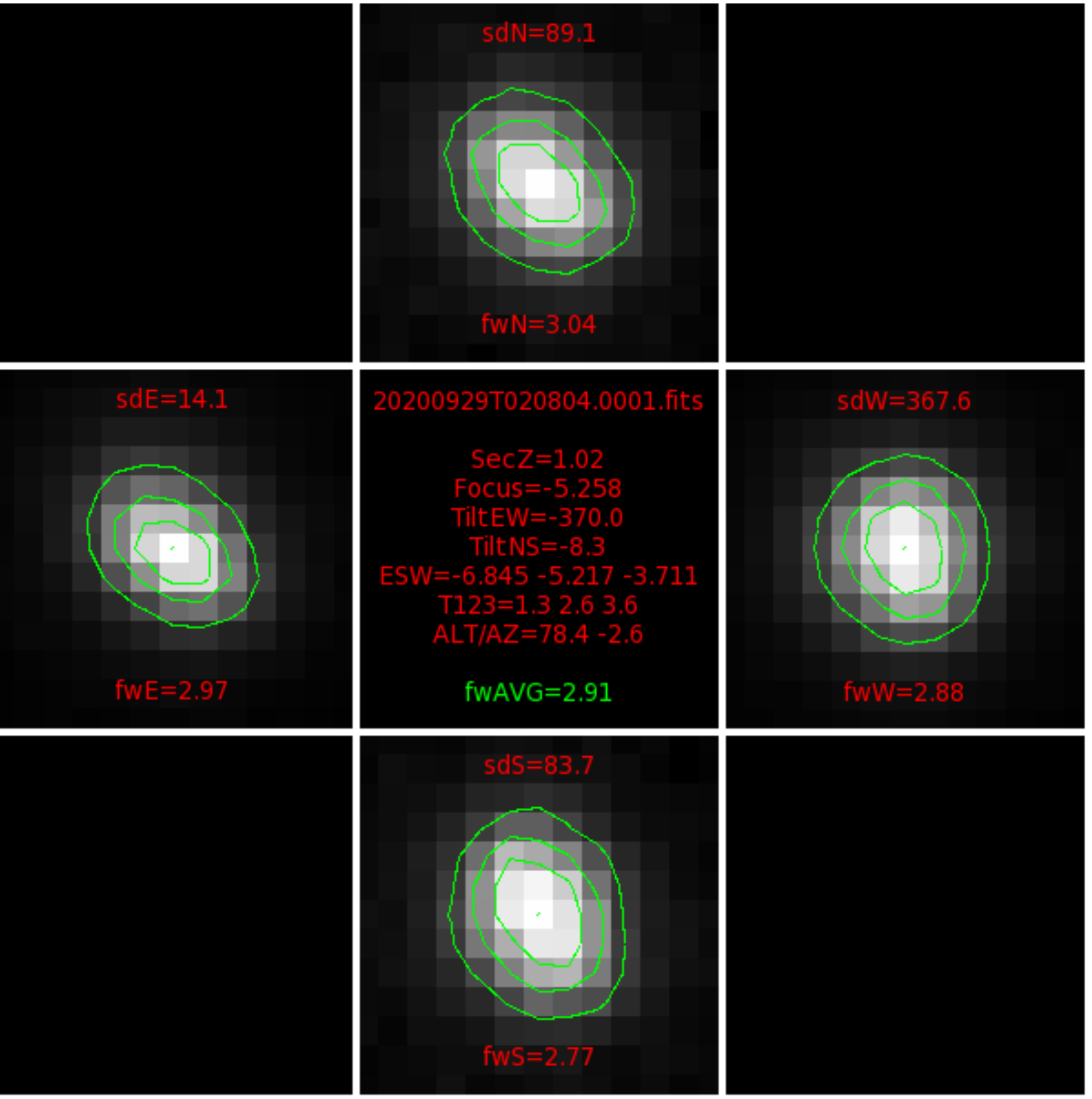
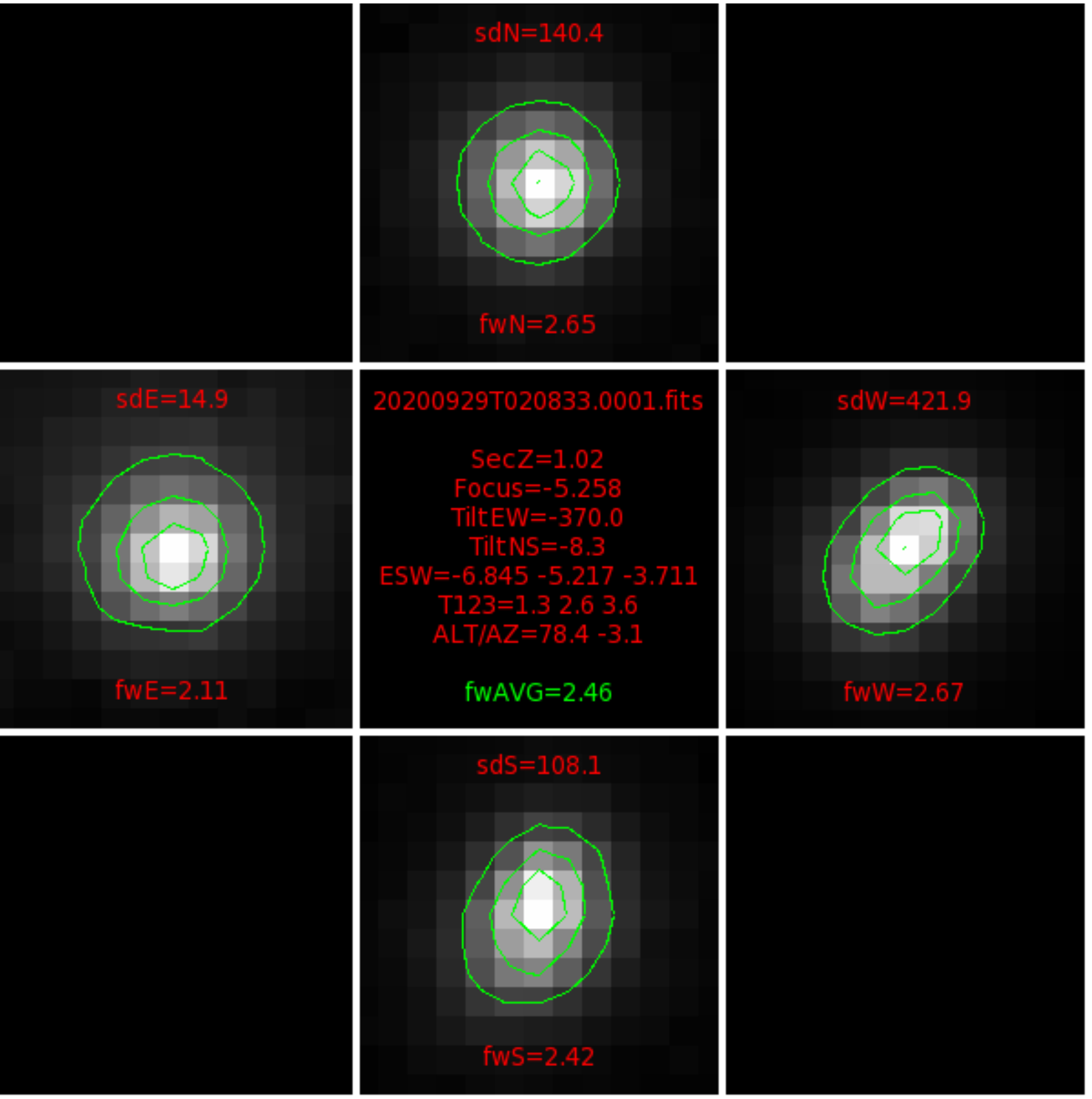

sdN=89.1
fwN=3.04
sdE=14.1
fwE=2.97
20200929T020804.0001.fits
SecZ=1.02
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.3 2.6 3.6
ALT/AZ=78.4 -2.6
fwAVG=2.91
sdW=367.6
fwW=2.88
sdS=83.7
fwS=2.77
0 0 0 0 0 0 0 0 0


sdN=140.4
fwN=2.65
sdE=14.9
fwE=2.11
20200929T020833.0001.fits
SecZ=1.02
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.3 2.6 3.6
ALT/AZ=78.4 -3.1
fwAVG=2.46
sdW=421.9
fwW=2.67
sdS=108.1
fwS=2.42
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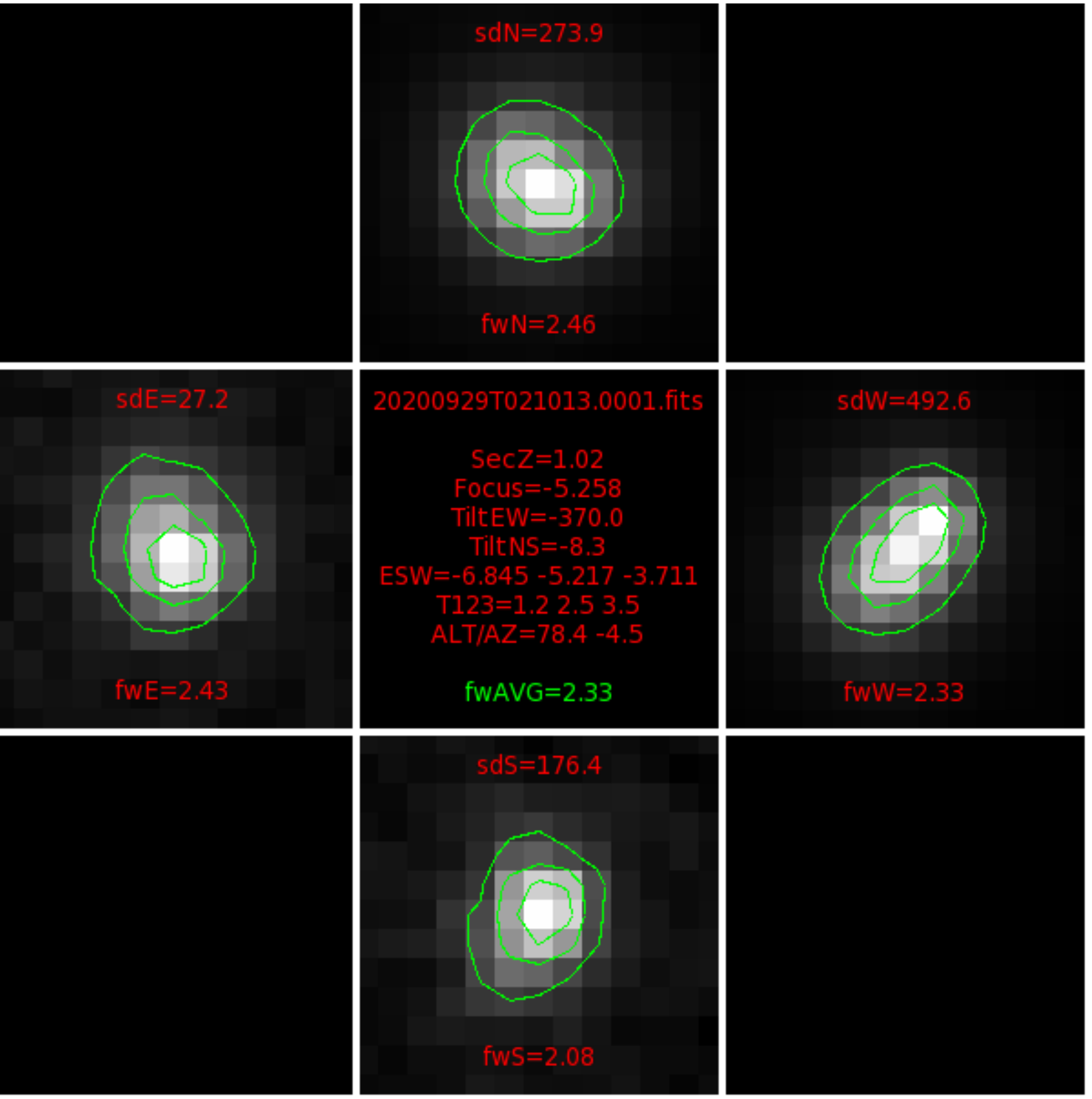
sdN=273.9
fwN=2.46
sdE=27.2
fwE=2.43
20200929T021013.0001.fits
SecZ=1.02
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.2 2.5 3.5
ALT/AZ=78.4 -4.5
fwAVG=2.33
sdW=492.6
fwW=2.33
sdS=176.4
fwS=2.08
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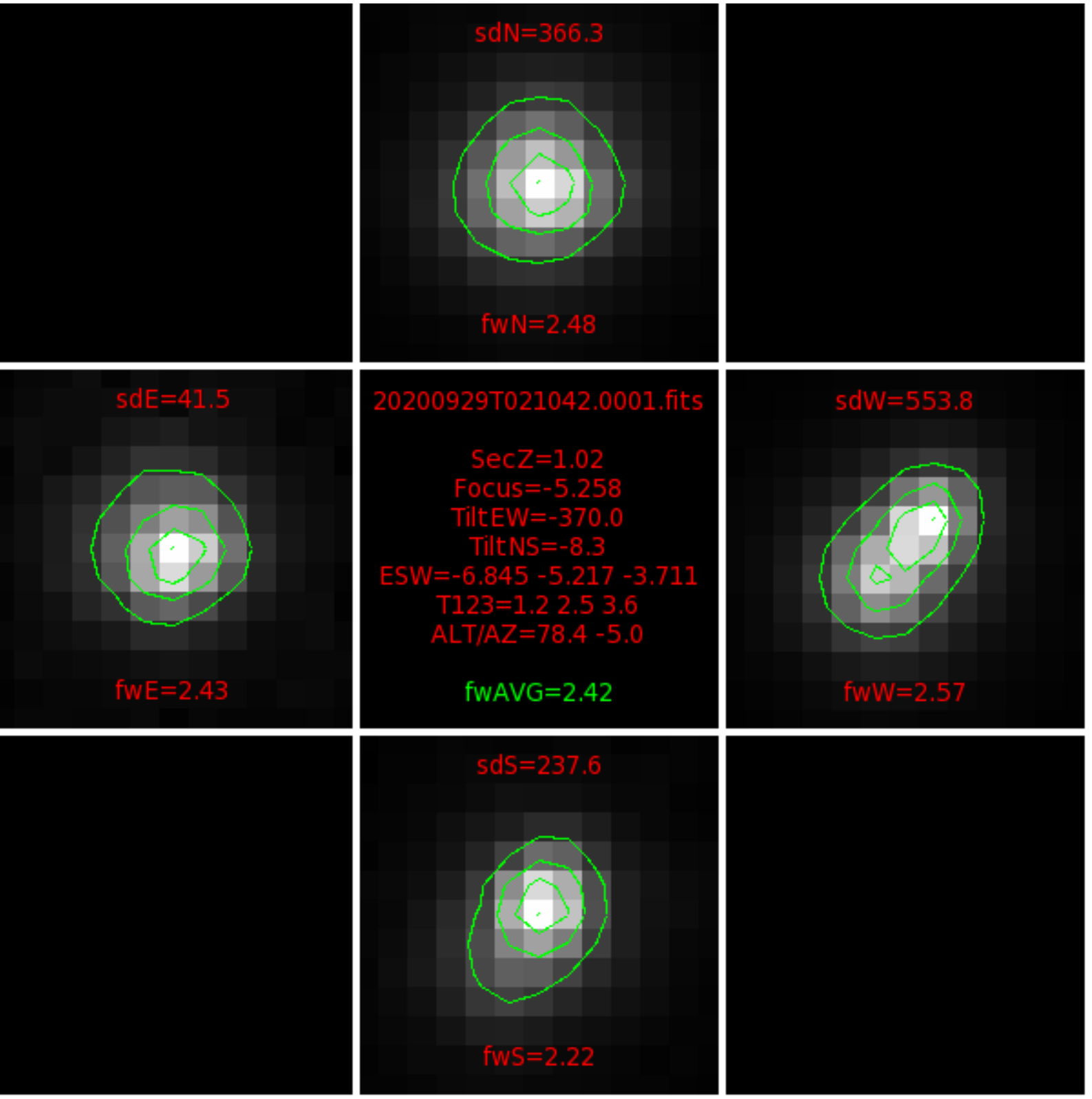
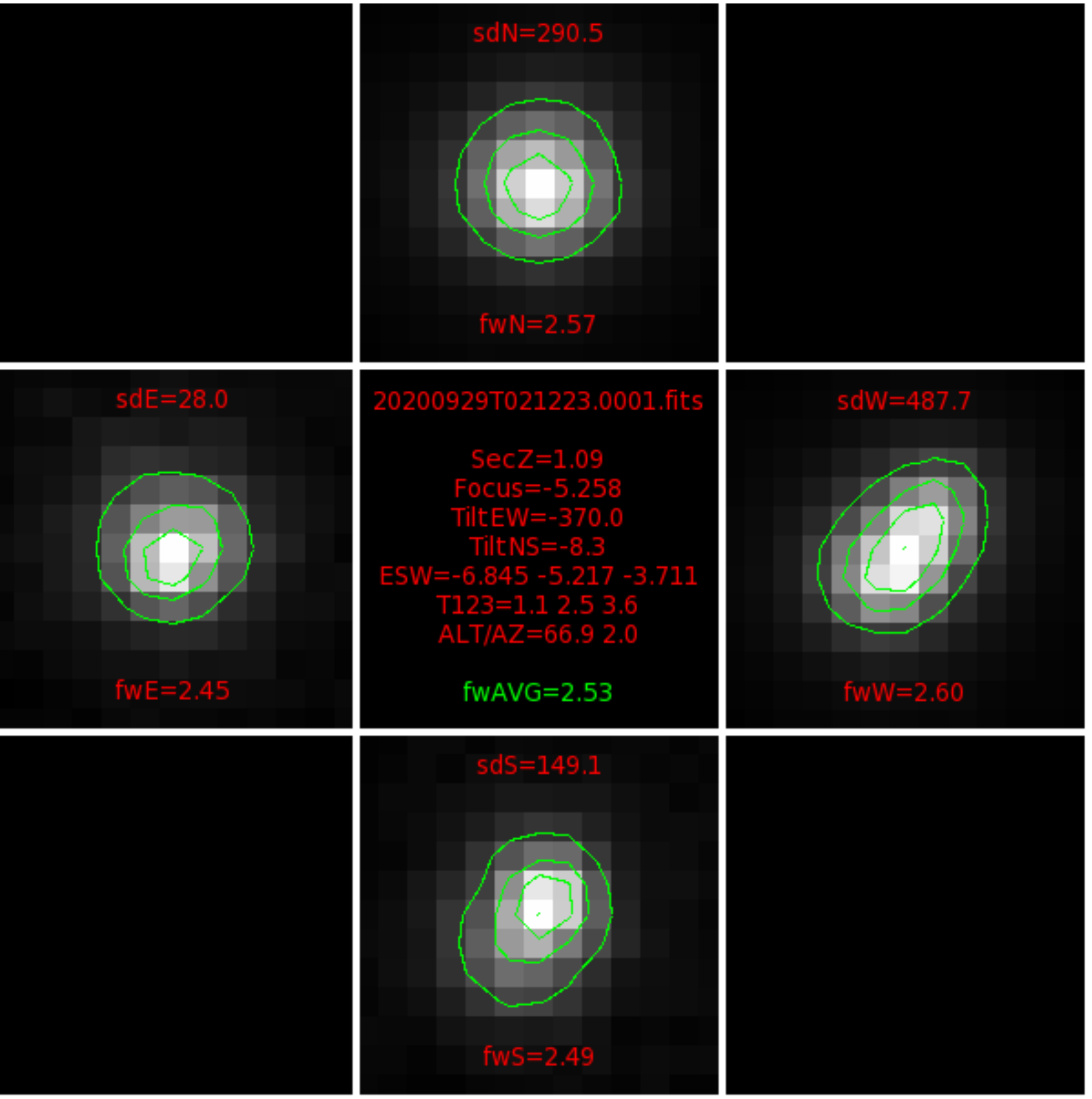
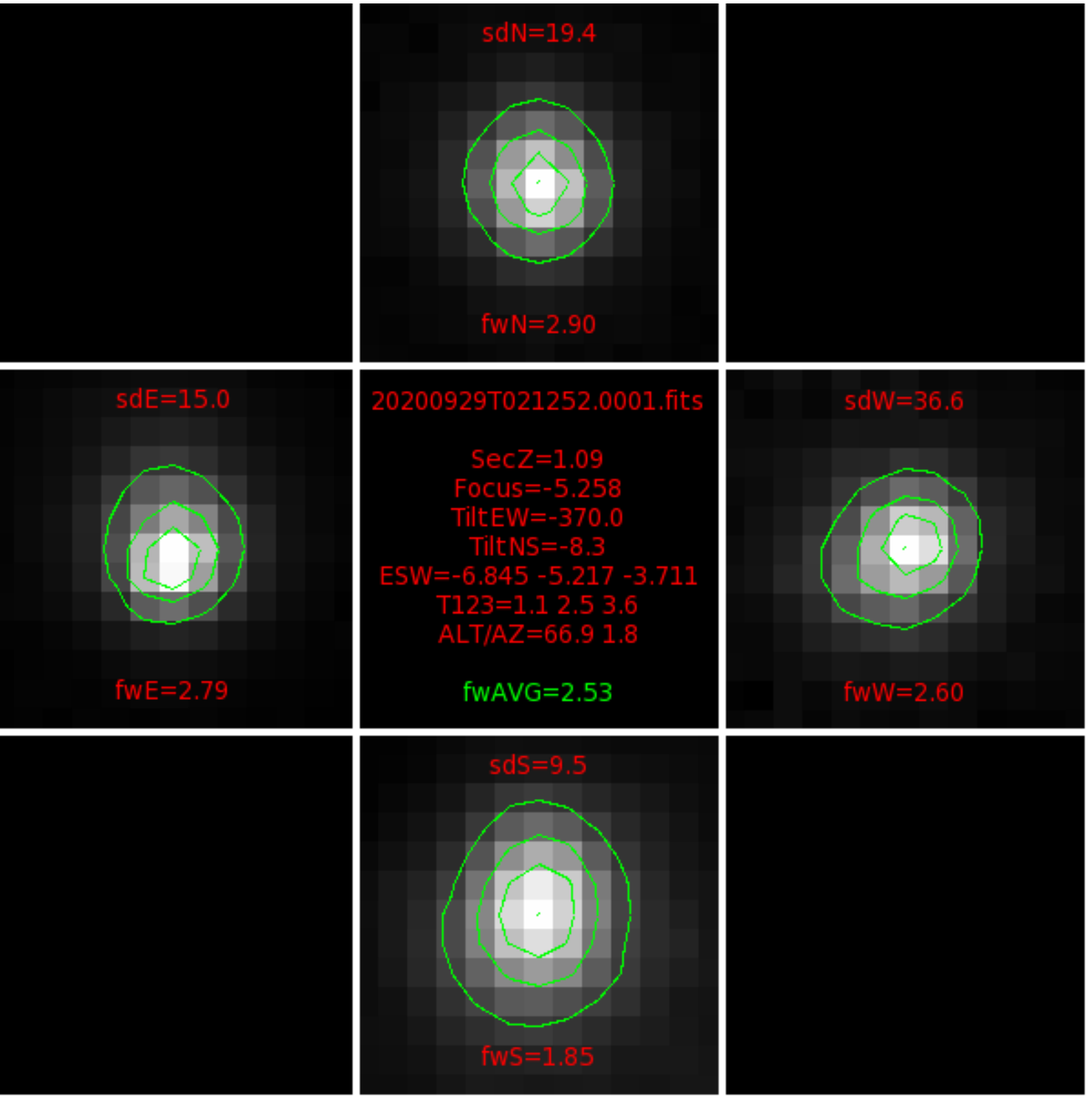

sdN=366.3
fwN=2.48
sdE=41.5
fwE=2.43
20200929T021042.0001.fits
SecZ=1.02
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.2 2.5 3.6
ALT/AZ=78.4 -5.0
fwAVG=2.42
sdW=553.8
fwW=2.57
sdS=237.6
fwS=2.22
0 0 0 0 0 0 0 0 0


sdN=290.5
fwN=2.57
sdE=28.0
fwE=2.45
20200929T021223.0001.fits
SecZ=1.09
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.1 2.5 3.6
ALT/AZ=66.9 2.0
fwAVG=2.53
sdW=487.7
fwW=2.60
sdS=149.1
fwS=2.49
0 0 0 0 0 0 0 0 0


sdN=19.4
fwN=2.90
sdE=15.0
fwE=2.79
20200929T021252.0001.fits
SecZ=1.09
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.1 2.5 3.6
ALT/AZ=66.9 1.8
fwAVG=2.53
sdW=36.6
fwW=2.60
sdS=9.5
fwS=1.85
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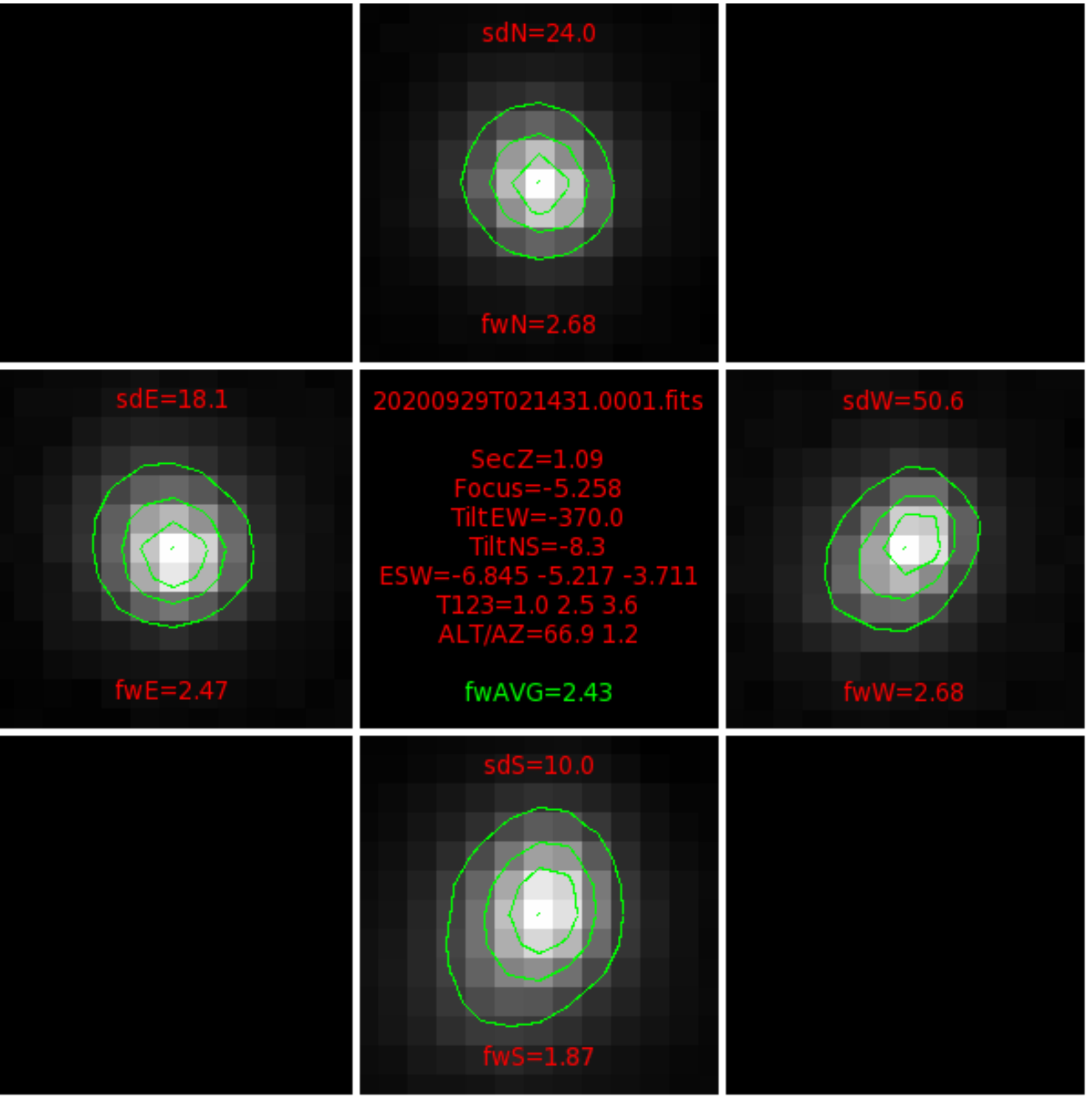
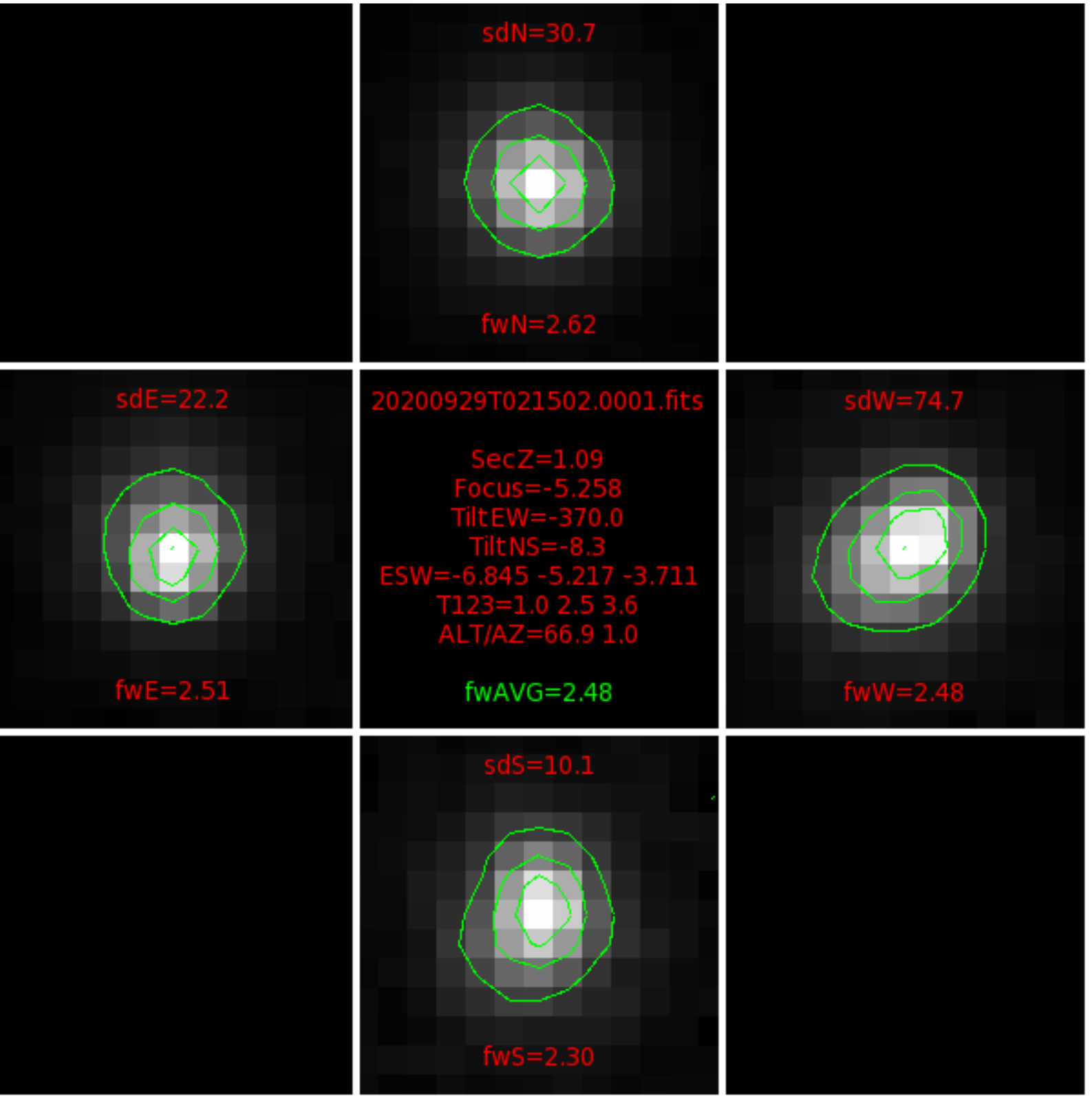

sdN=24.0
fwN=2.68
sdE=18.1
fwE=2.47
20200929T021431.0001.fits
SecZ=1.09
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.0 2.5 3.6
ALT/AZ=66.9 1.2
fwAVG=2.43
sdW=50.6
fwW=2.68
sdS=10.0
fwS=1.87
0 0 0 0 0 0 0 0 0


sdN=30.7
fwN=2.62
sdE=22.2
fwE=2.51
20200929T021502.0001.fits
SecZ=1.09
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=1.0 2.5 3.6
ALT/AZ=66.9 1.0
fwAVG=2.48
sdW=74.7
fwW=2.48
sdS=10.1
fwS=2.30
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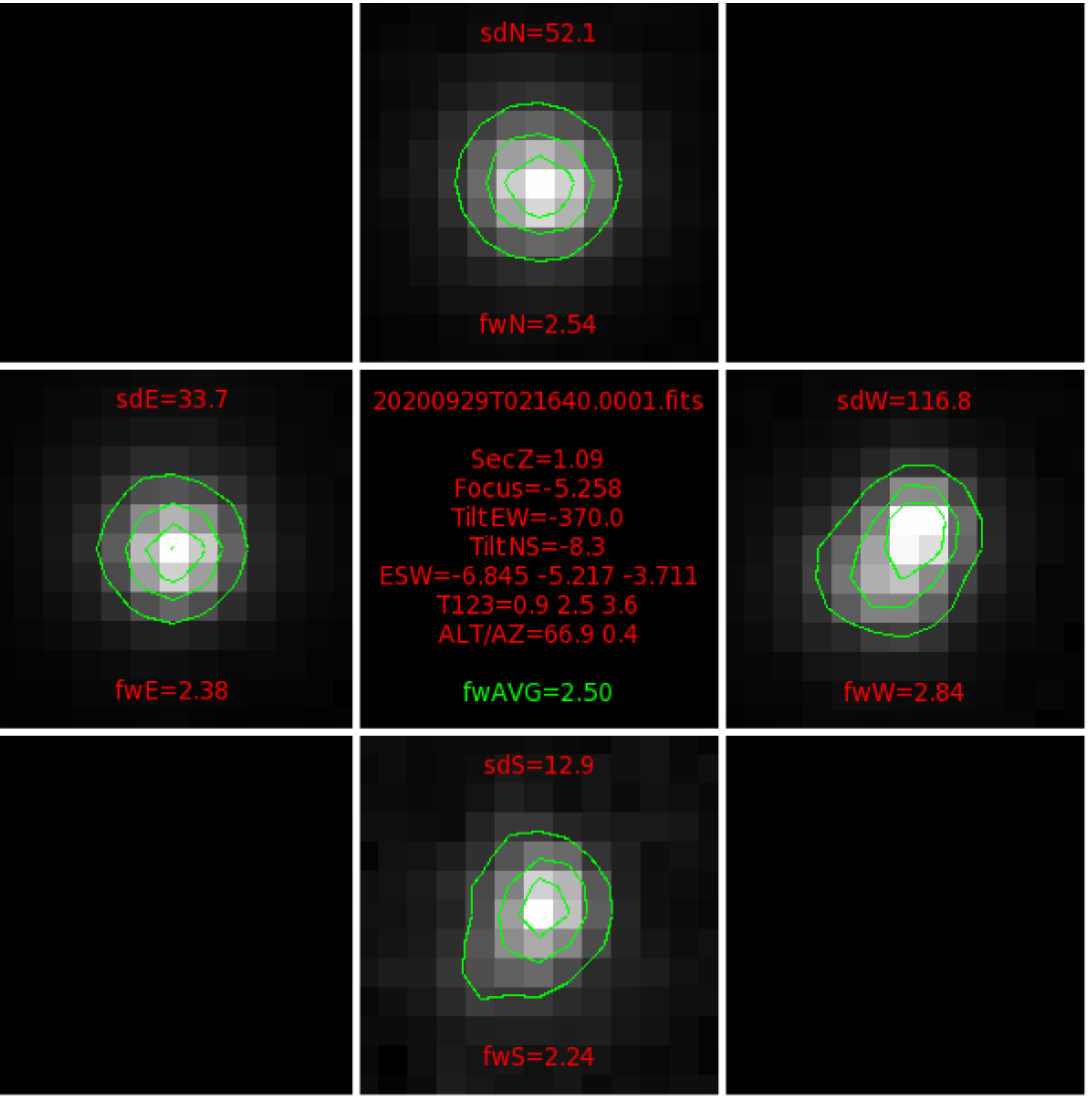
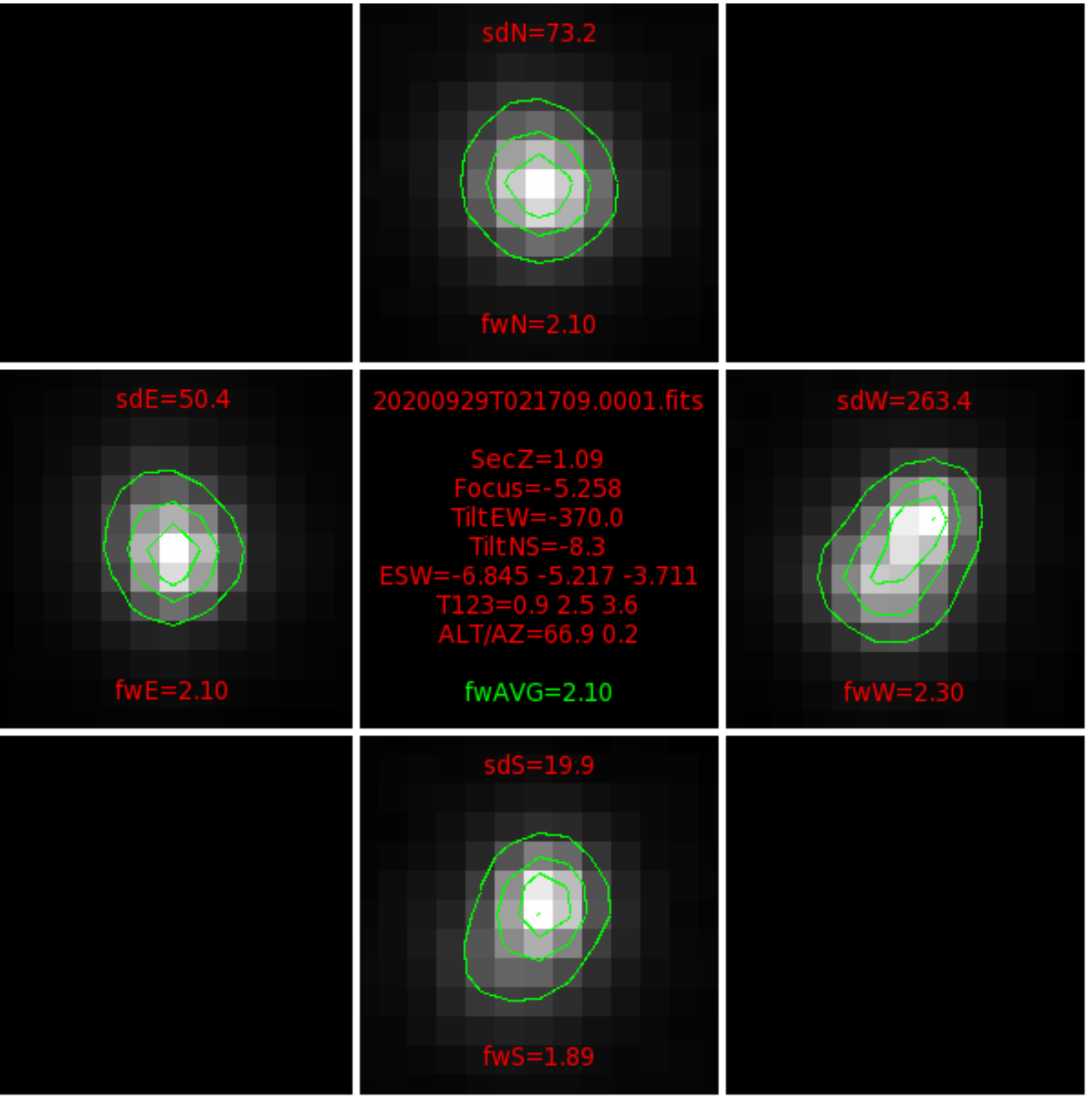

sdN=52.1
fwN=2.54
sdE=33.7
fwE=2.38
20200929T021640.0001.fits
SecZ=1.09
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=0.9 2.5 3.6
ALT/AZ=66.9 0.4
fwAVG=2.50
sdW=116.8
fwW=2.84
sdS=12.9
fwS=2.24
0 0 0 0 0 0 0 0 0


sdN=73.2
fwN=2.10
sdE=50.4
fwE=2.10
20200929T021709.0001.fits
SecZ=1.09
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=0.9 2.5 3.6
ALT/AZ=66.9 0.2
fwAVG=2.10
sdW=263.4
fwW=2.30
sdS=19.9
fwS=1.89
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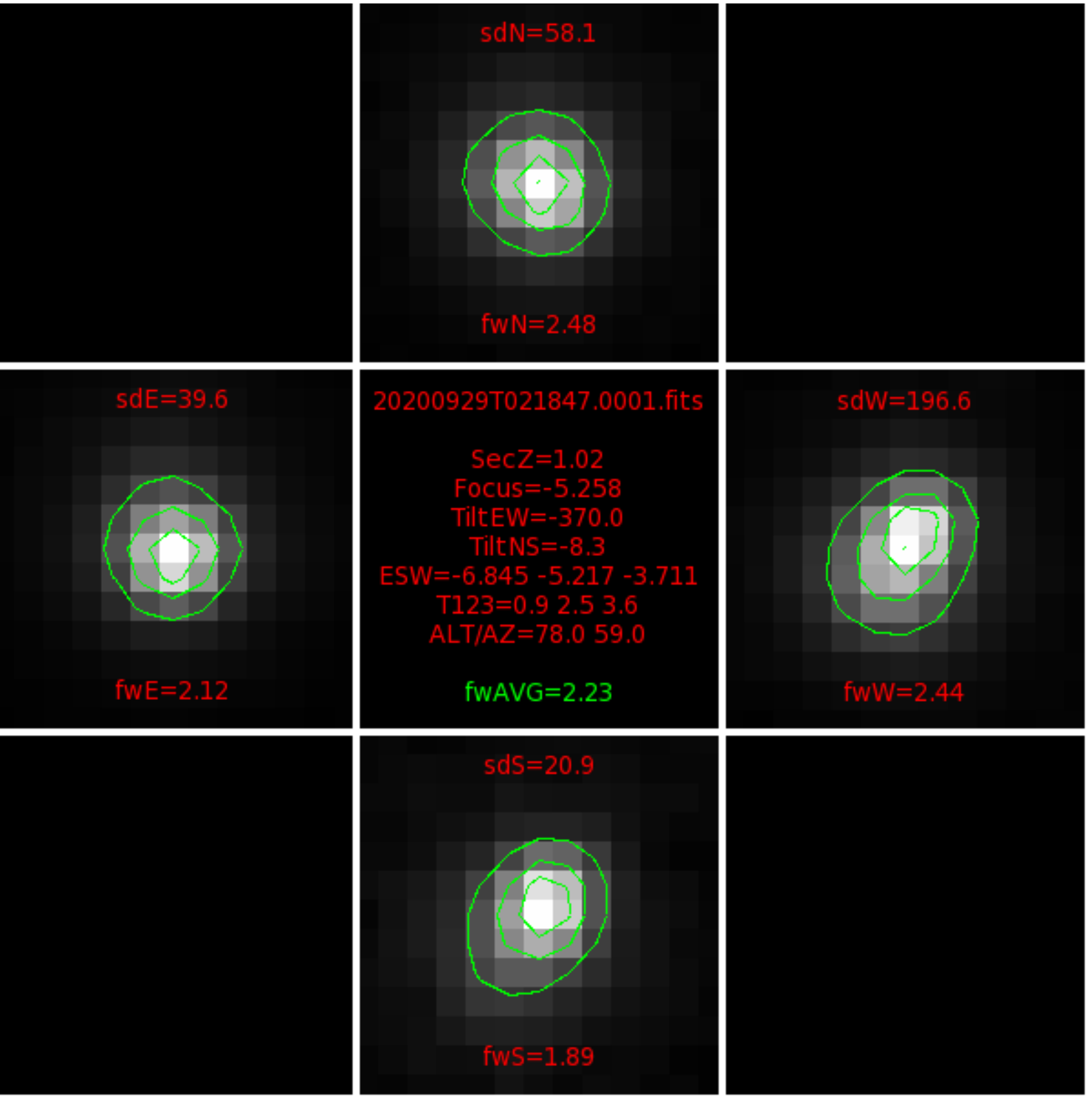
sdN=58.1
fwN=2.48
sdE=39.6
fwE=2.12
20200929T021847.0001.fits
SecZ=1.02
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=0.9 2.5 3.6
ALT/AZ=78.0 59.0
fwAVG=2.23
sdW=196.6
fwW=2.44
sdS=20.9
fwS=1.89
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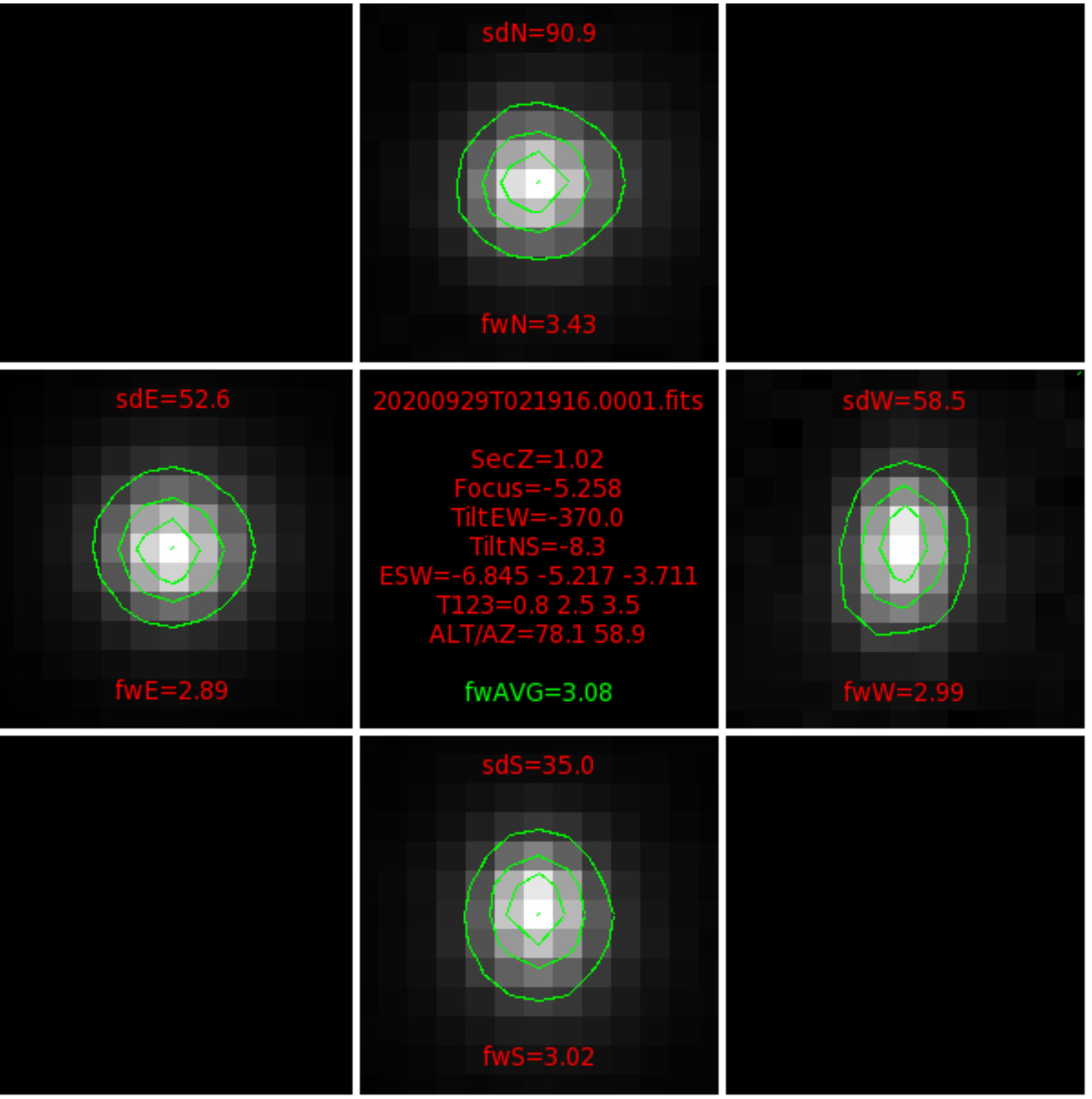
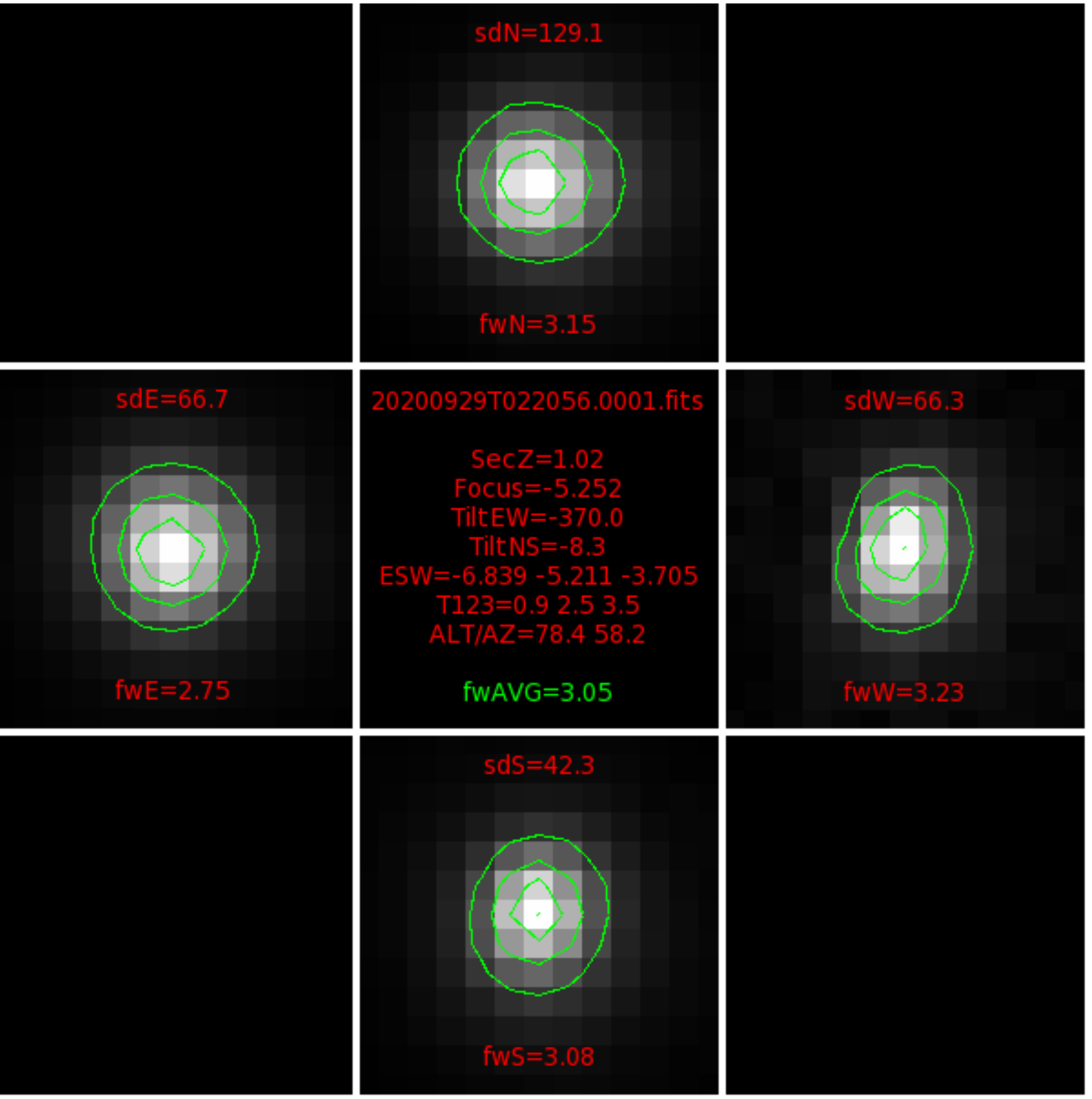
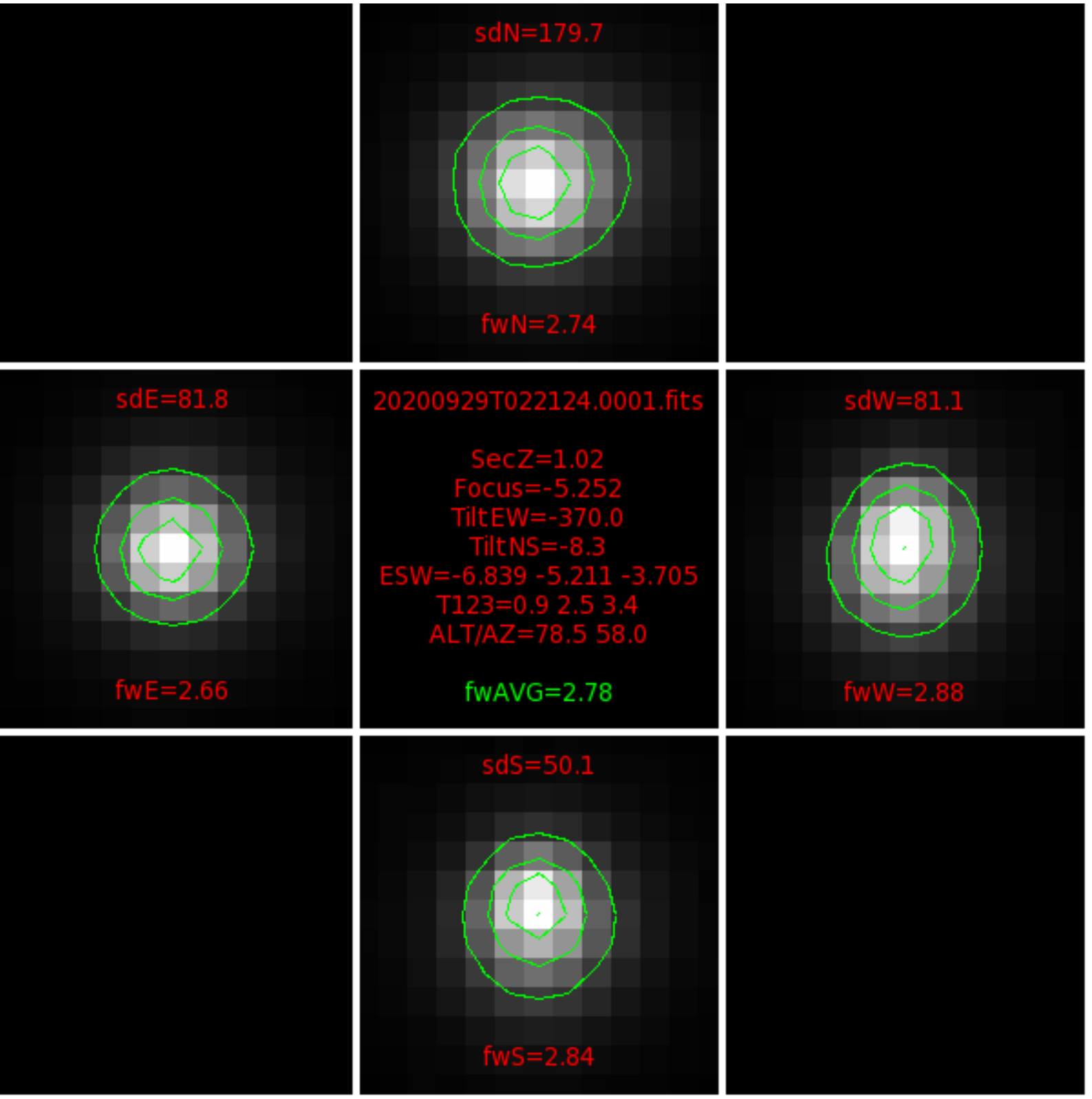

sdN=90.9
fwN=3.43
sdE=52.6
fwE=2.89
20200929T021916.0001.fits
SecZ=1.02
Focus=-5.258
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.845 -5.217 -3.711
T123=0.8 2.5 3.5
ALT/AZ=78.1 58.9
fwAVG=3.08
sdW=58.5
fwW=2.99
sdS=35.0
fwS=3.02
0 0 0 0 0 0 0 0 0


sdN=129.1
fwN=3.15
sdE=66.7
fwE=2.75
20200929T022056.0001.fits
SecZ=1.02
Focus=-5.252
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.839 -5.211 -3.705
T123=0.9 2.5 3.5
ALT/AZ=78.4 58.2
fwAVG=3.05
sdW=66.3
fwW=3.23
sdS=42.3
fwS=3.08
0 0 0 0 0 0 0 0 0


sdN=179.7
fwN=2.74
sdE=81.8
fwE=2.66
20200929T022124.0001.fits
SecZ=1.02
Focus=-5.252
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.839 -5.211 -3.705
T123=0.9 2.5 3.4
ALT/AZ=78.5 58.0
fwAVG=2.78
sdW=81.1
fwW=2.88
sdS=50.1
fwS=2.84
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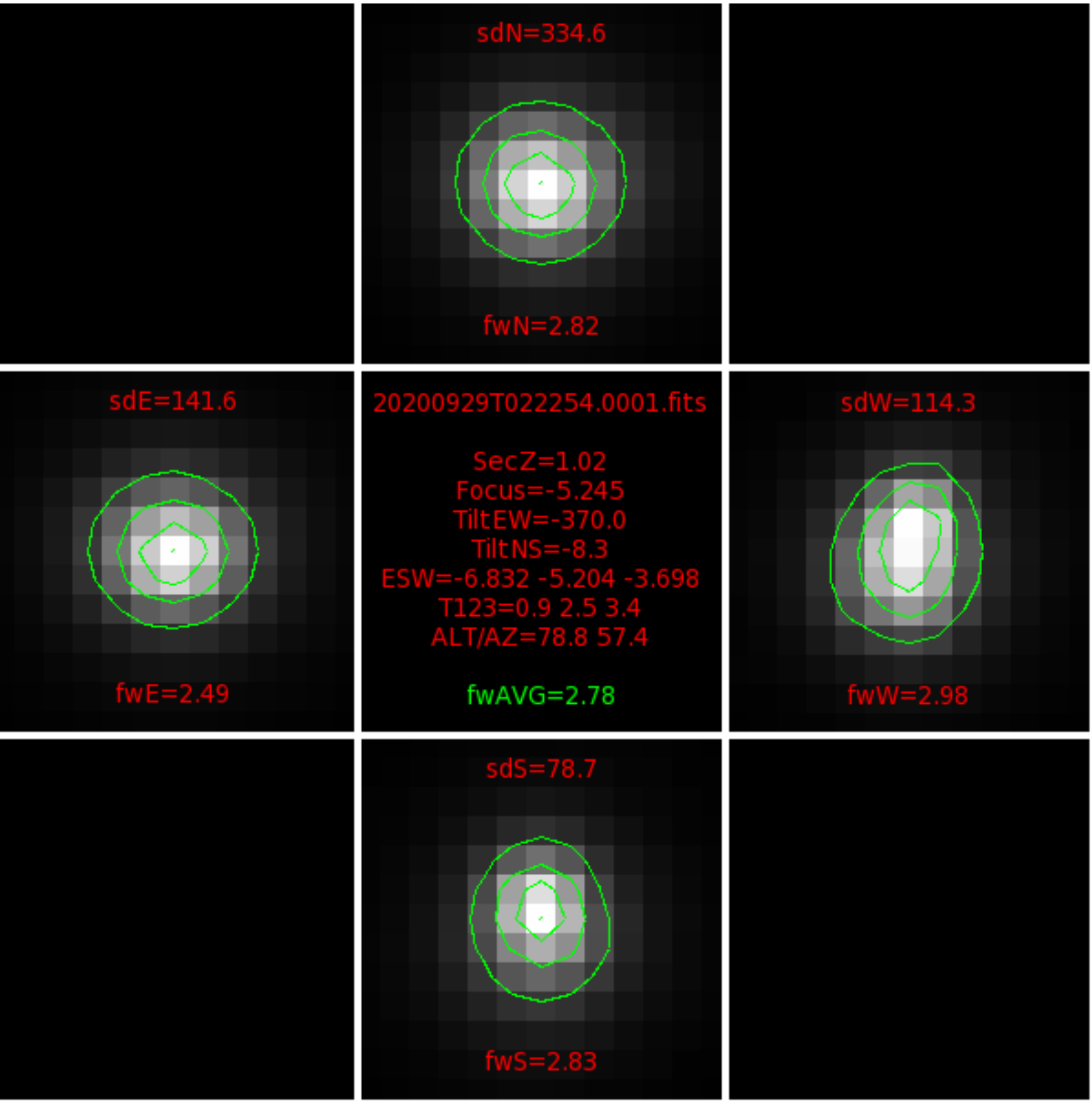
sdN=334.6
fwN=2.82
sdE=141.6
fwE=2.49
20200929T022254.0001.fits
SecZ=1.02
Focus=-5.245
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.832 -5.204 -3.698
T123=0.9 2.5 3.4
ALT/AZ=78.8 57.4
fwAVG=2.78
sdW=114.3
fwW=2.98
sdS=78.7
fwS=2.83
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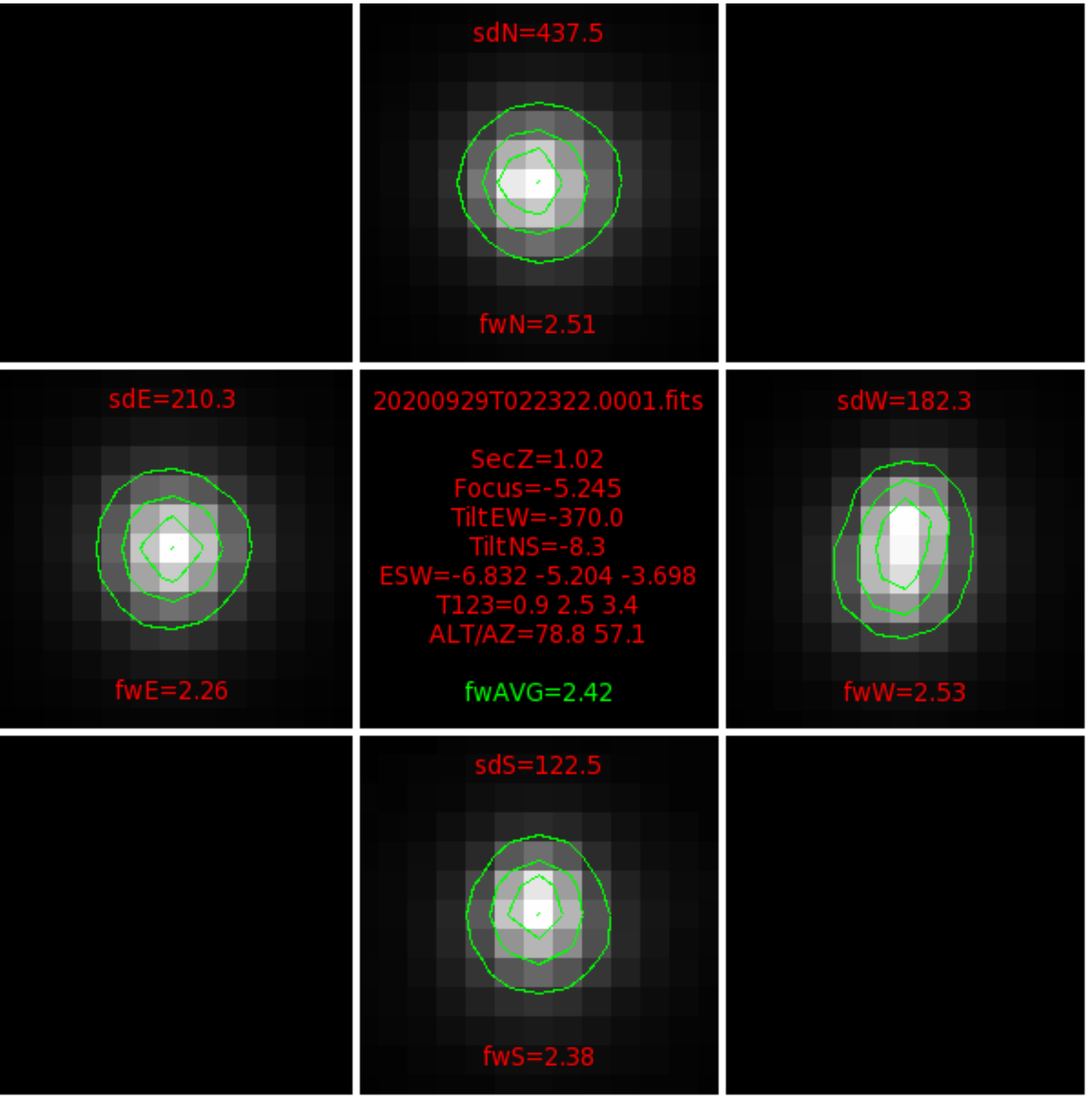
sdN=437.5
fwN=2.51
sdE=210.3
fwE=2.26
20200929T022322.0001.fits
SecZ=1.02
Focus=-5.245
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.832 -5.204 -3.698
T123=0.9 2.5 3.4
ALT/AZ=78.8 57.1
fwAVG=2.42
sdW=182.3
fwW=2.53
sdS=122.5
fwS=2.38
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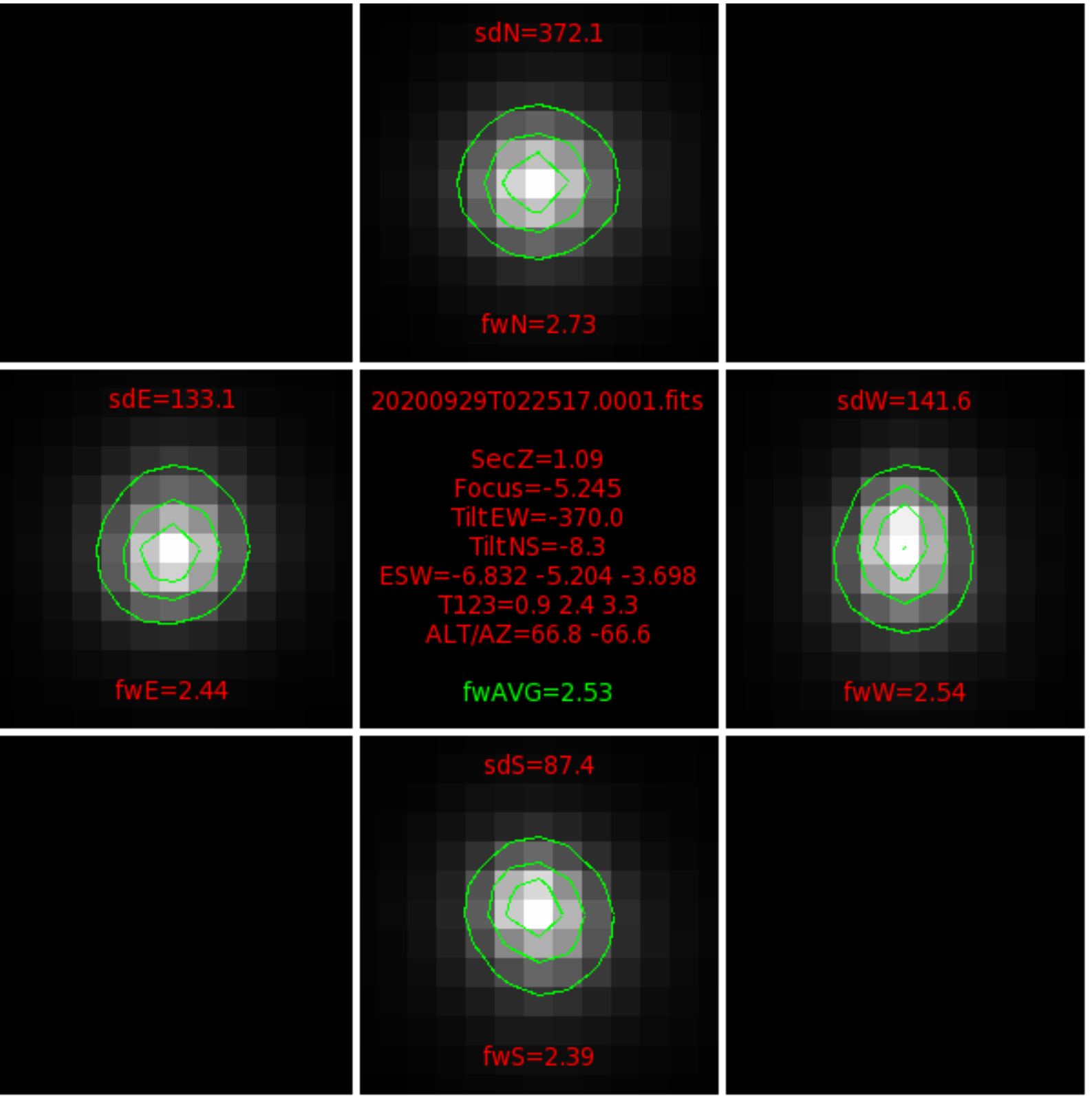
sdN=372.1
fwN=2.73
sdE=133.1
fwE=2.44
20200929T022517.0001.fits
SecZ=1.09
Focus=-5.245
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.832 -5.204 -3.698
T123=0.9 2.4 3.3
ALT/AZ=66.8 -66.6
fwAVG=2.53
sdW=141.6
fwW=2.54
sdS=87.4
fwS=2.39
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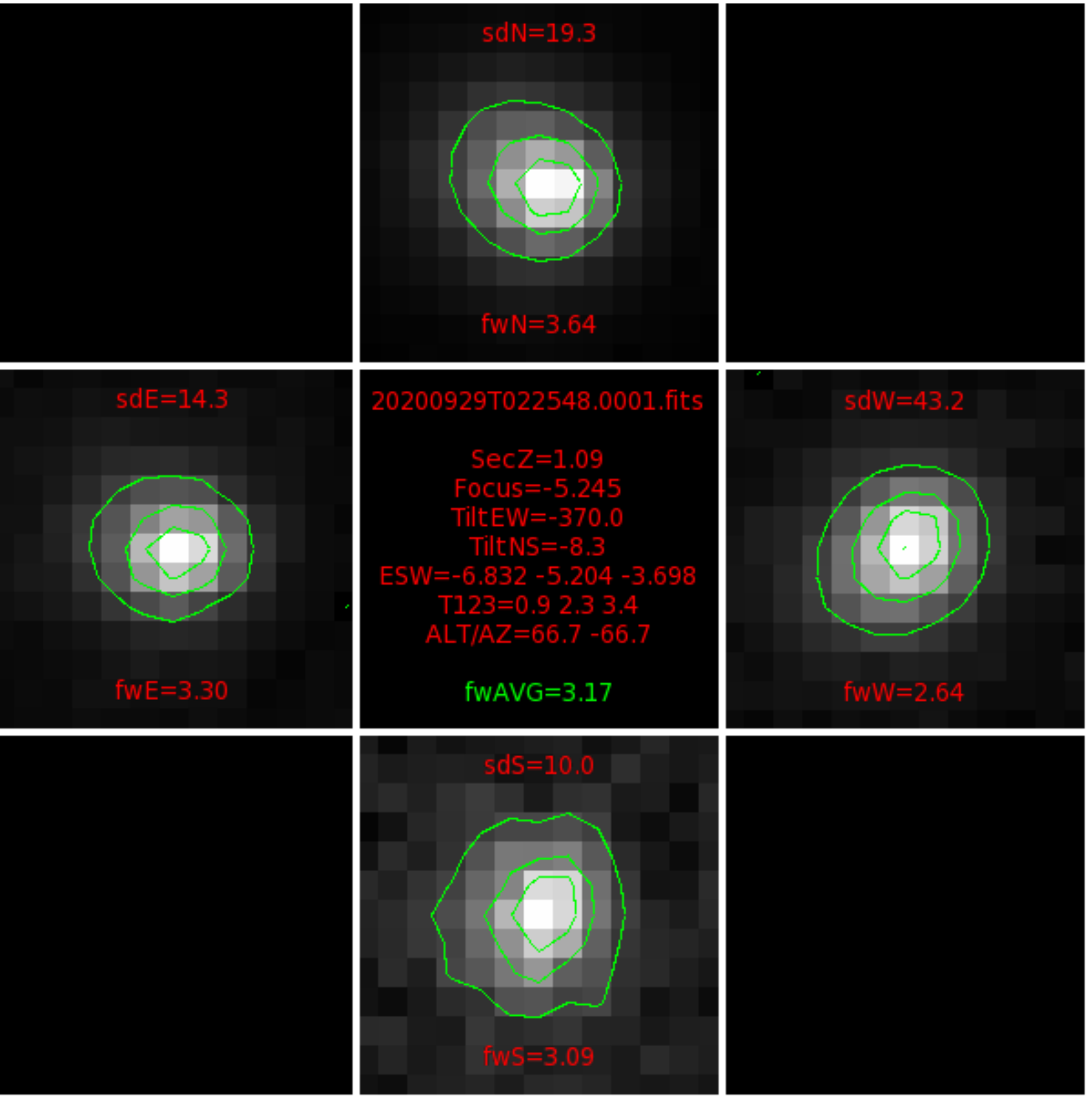
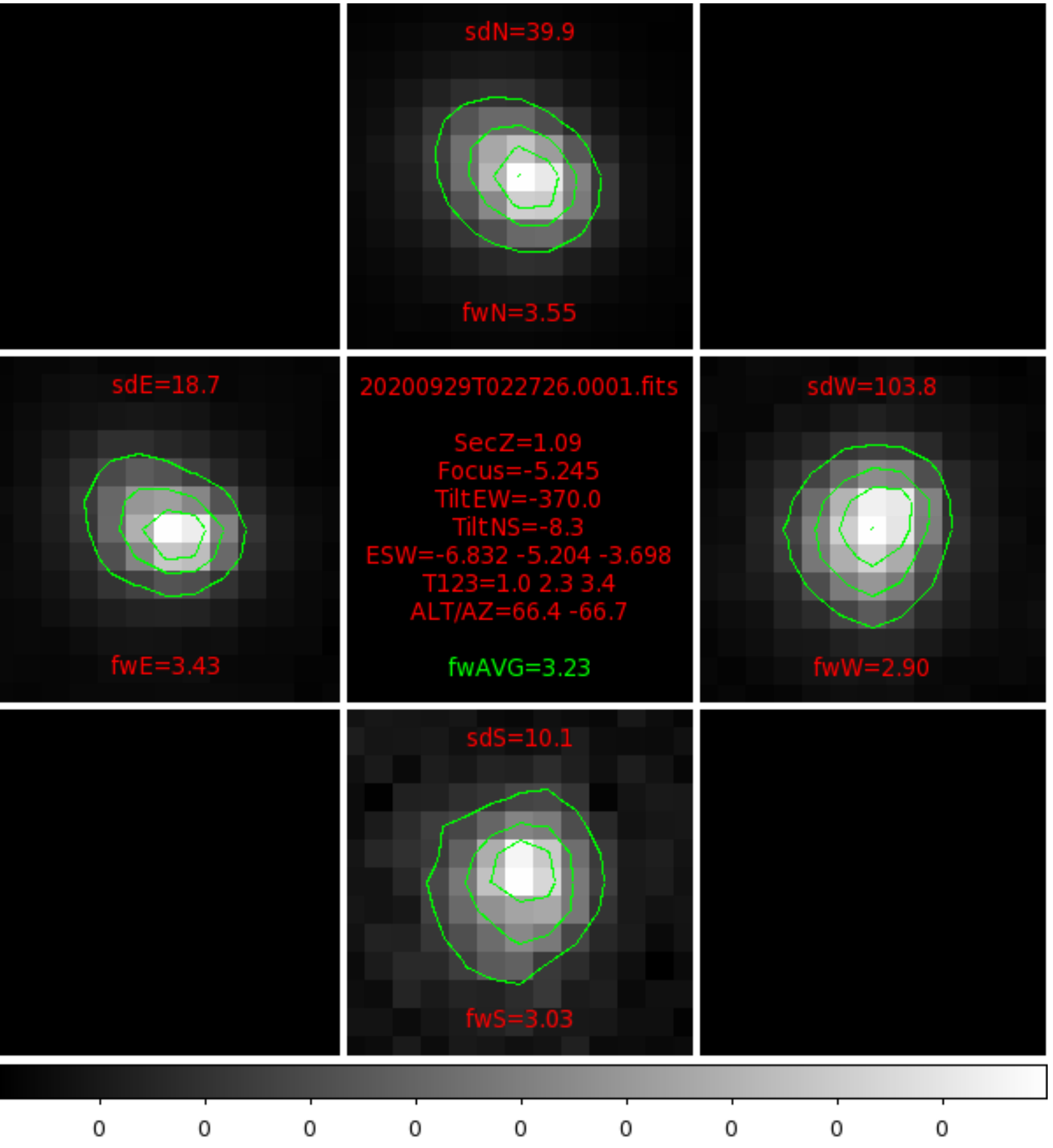

sdN=19.3
fwN=3.64
sdE=14.3
fwE=3.30
20200929T022548.0001.fits
SecZ=1.09
Focus=-5.245
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.832 -5.204 -3.698
T123=0.9 2.3 3.4
ALT/AZ=66.7 -66.7
fwAVG=3.17
sdW=43.2
fwW=2.64
sdS=10.0
fwS=3.09
0 0 0 0 0 0 0 0 0


sdN=39.9
fwN=3.55
sdE=18.7
fwE=3.43
20200929T022726.0001.fits
SecZ=1.09
Focus=-5.245
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.832 -5.204 -3.698
T123=1.0 2.3 3.4
ALT/AZ=66.4 -66.7
fwAVG=3.23
sdW=103.8
fwW=2.90
sdS=10.1
fwS=3.03
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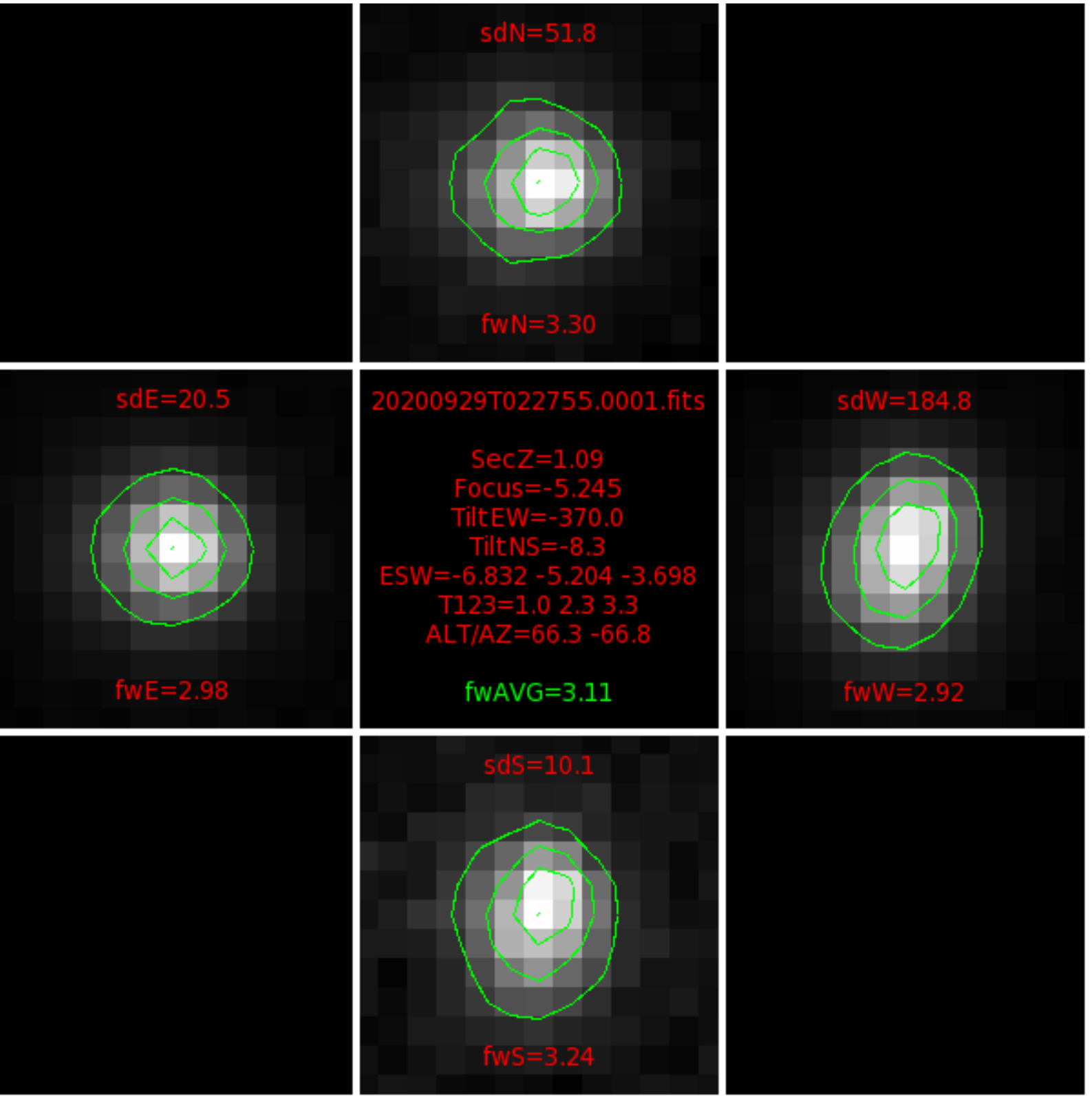
sdN=51.8
fwN=3.30
sdE=20.5
fwE=2.98
20200929T022755.0001.fits
SecZ=1.09
Focus=-5.245
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.832 -5.204 -3.698
T123=1.0 2.3 3.3
ALT/AZ=66.3 -66.8
fwAVG=3.11
sdW=184.8
fwW=2.92
sdS=10.1
fwS=3.24
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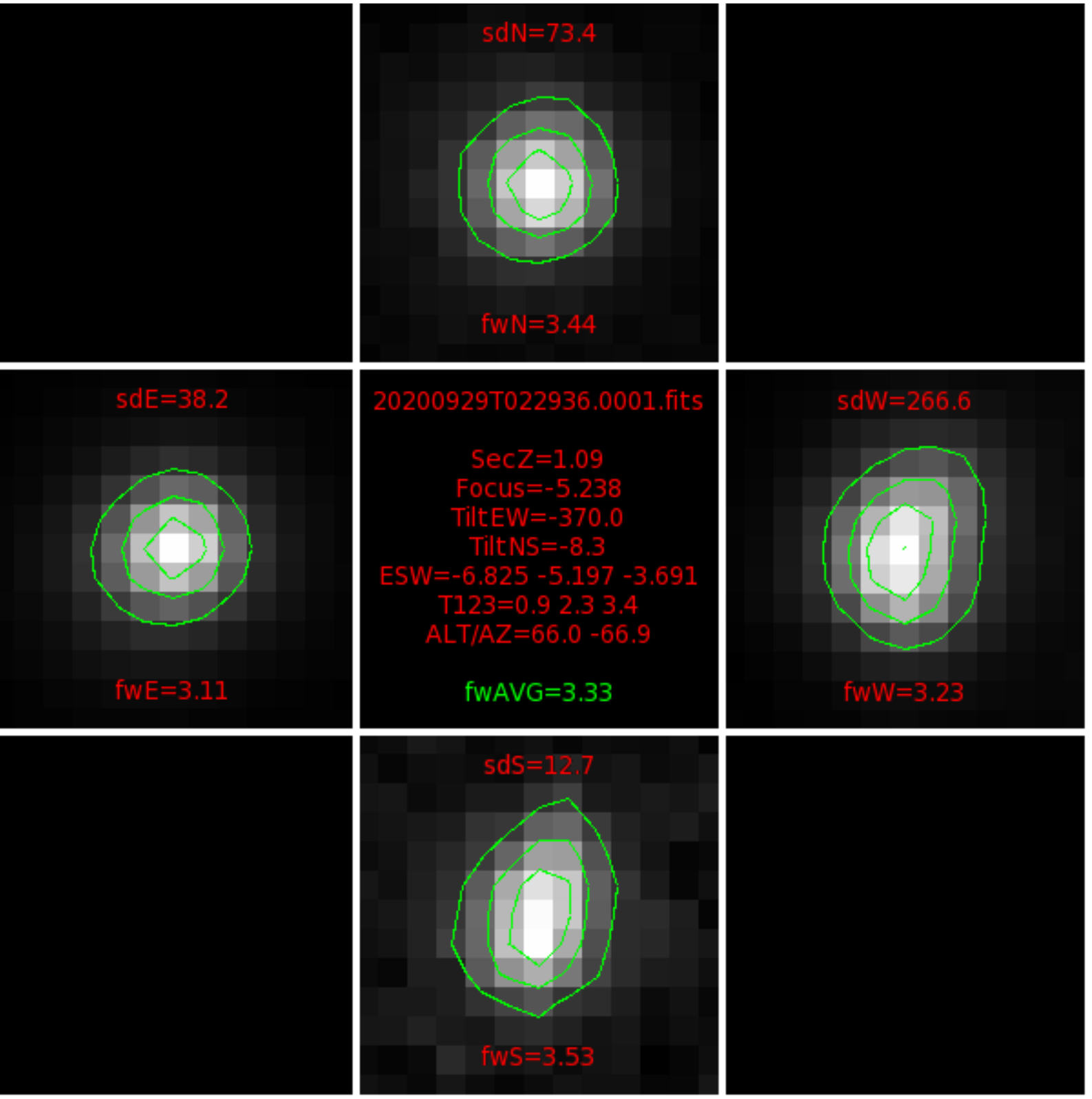
sdN=73.4
fwN=3.44
sdE=38.2
fwE=3.11
20200929T022936.0001.fits
SecZ=1.09
Focus=-5.238
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.825 -5.197 -3.691
T123=0.9 2.3 3.4
ALT/AZ=66.0 -66.9
fwAVG=3.33
sdW=266.6
fwW=3.23
sdS=12.7
fwS=3.53
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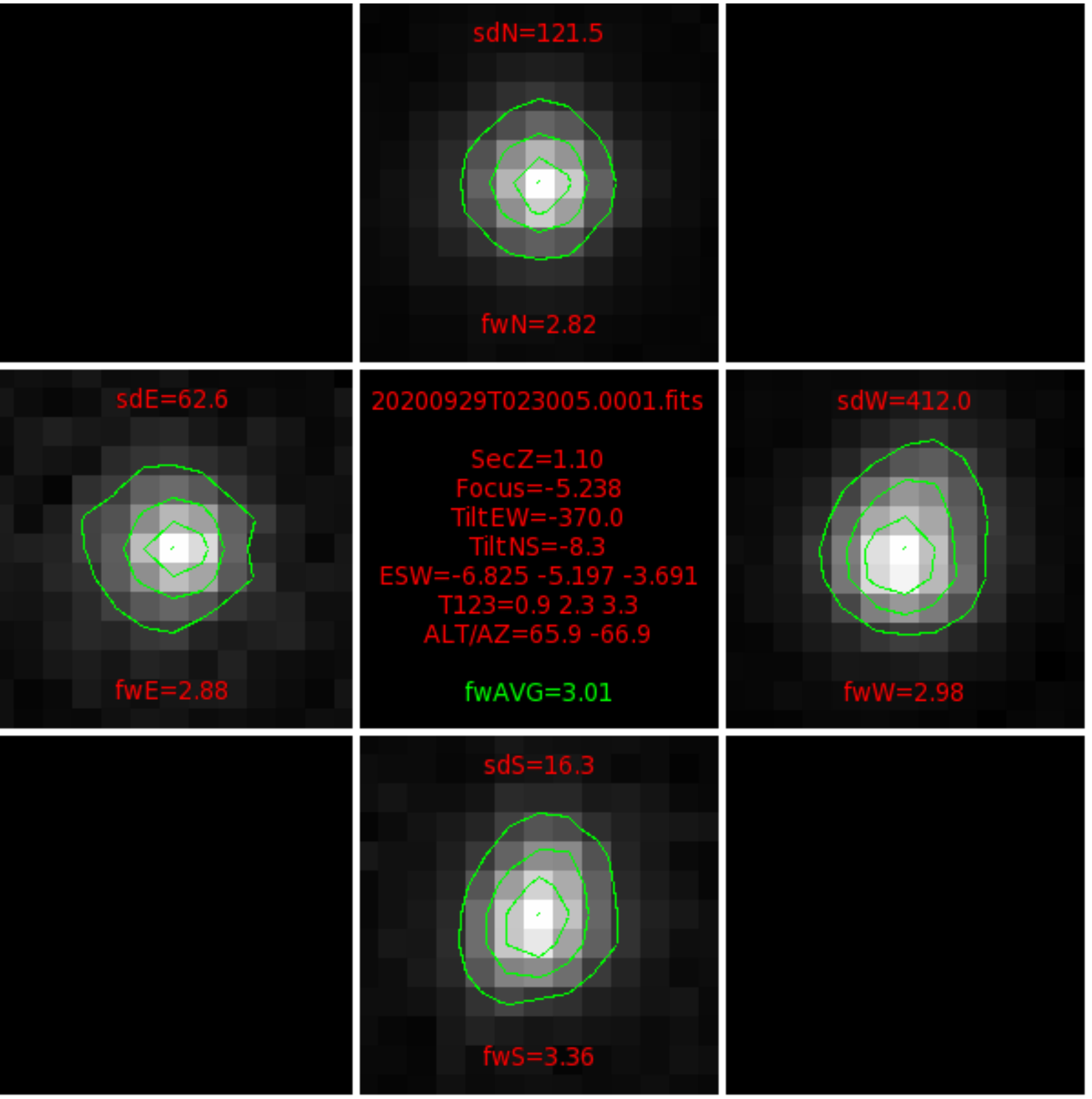
sdN=121.5
fwN=2.82
sdE=62.6
fwE=2.88
20200929T023005.0001.fits
SecZ=1.10
Focus=-5.238
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.825 -5.197 -3.691
T123=0.9 2.3 3.3
ALT/AZ=65.9 -66.9
fwAVG=3.01
sdW=412.0
fwW=2.98
sdS=16.3
fwS=3.36
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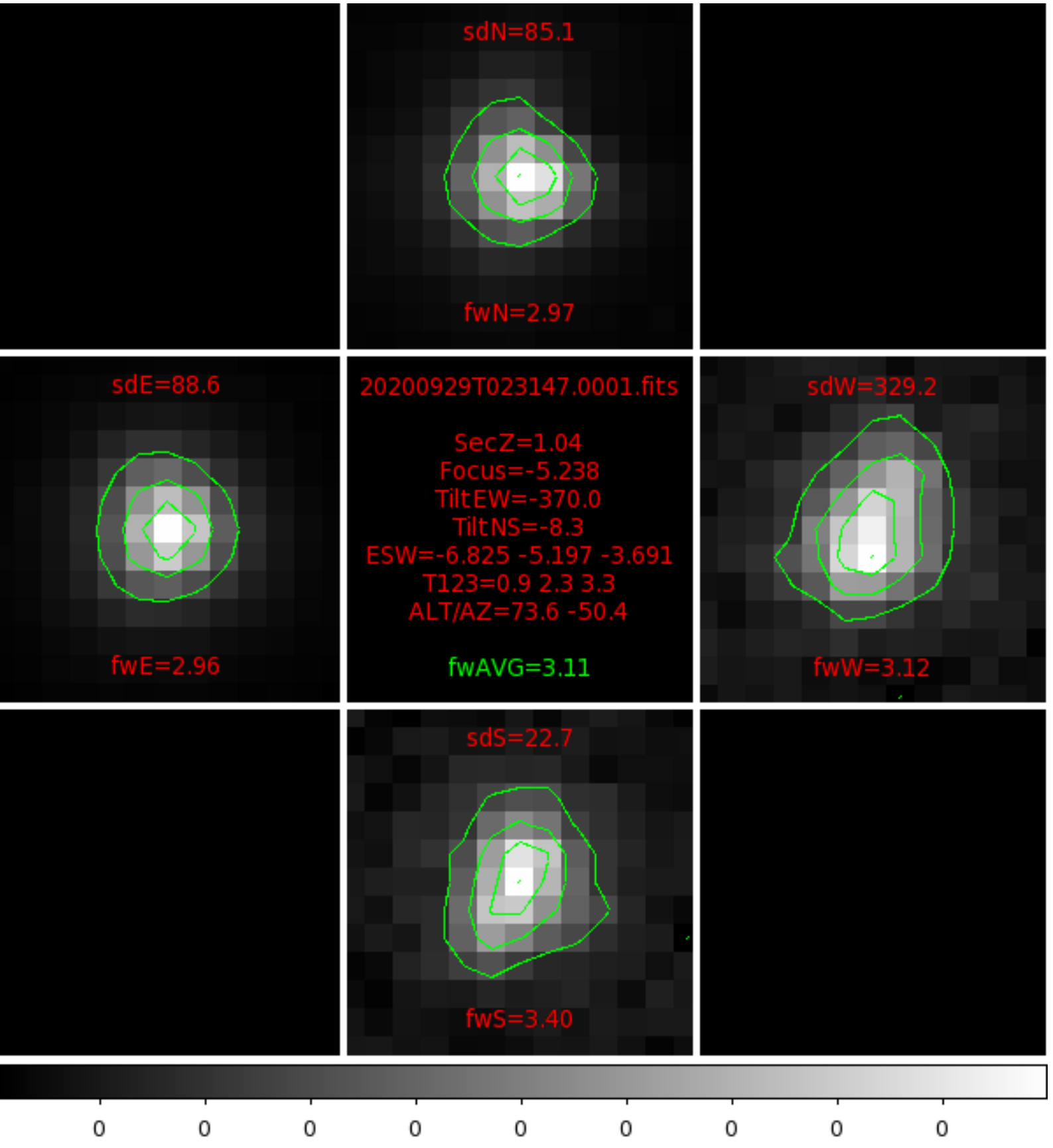
sdN=85.1
fwN=2.97
sdE=88.6
fwE=2.96
20200929T023147.0001.fits
SecZ=1.04
Focus=-5.238
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.825 -5.197 -3.691
T123=0.9 2.3 3.3
ALT/AZ=73.6 -50.4
fwAVG=3.11
sdW=329.2
fwW=3.12
sdS=22.7
fwS=3.40
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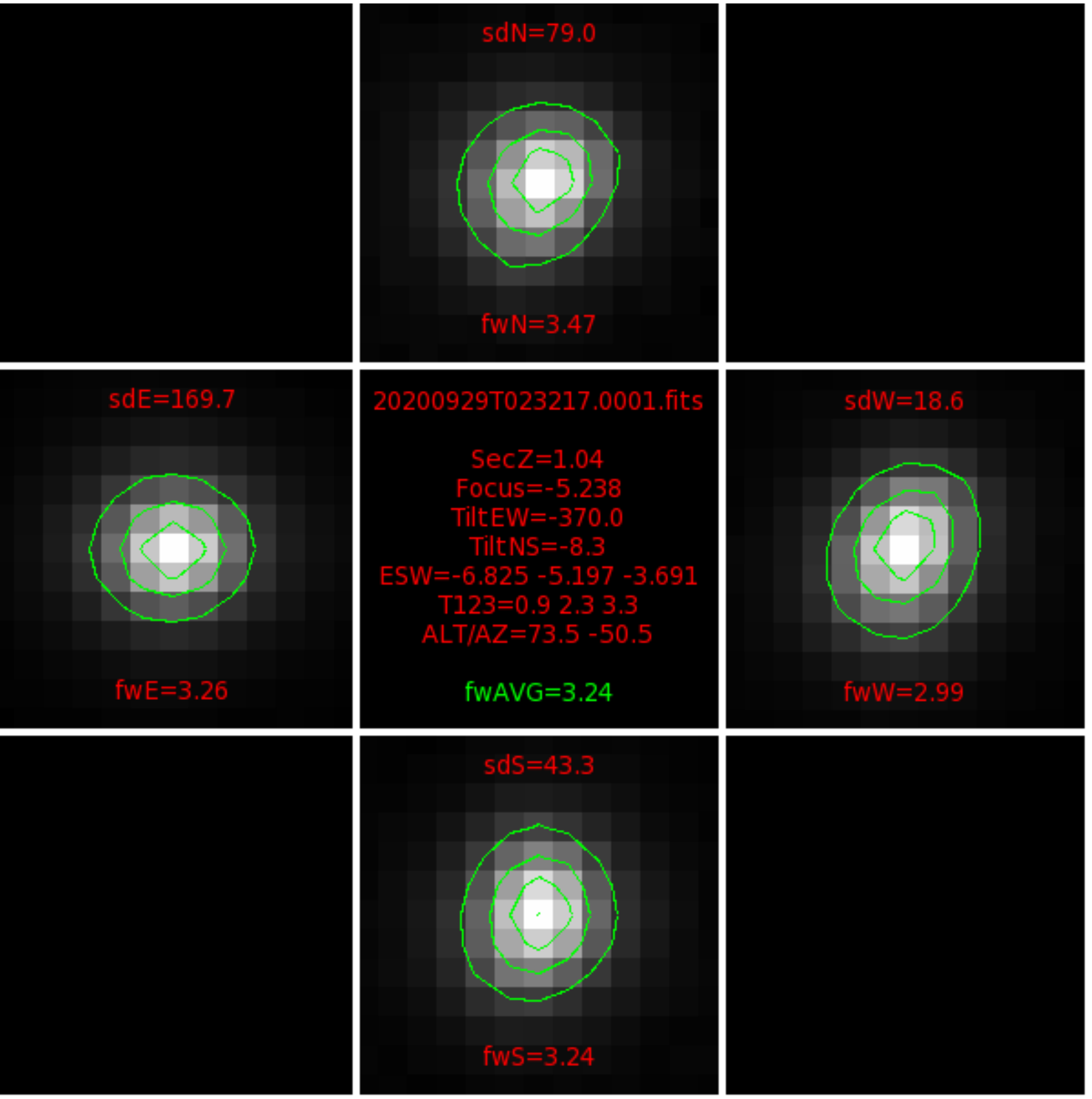
sdN=79.0
fwN=3.47
sdE=169.7
fwE=3.26
20200929T023217.0001.fits
SecZ=1.04
Focus=-5.238
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.825 -5.197 -3.691
T123=0.9 2.3 3.3
ALT/AZ=73.5 -50.5
fwAVG=3.24
sdW=18.6
fwW=2.99
sdS=43.3
fwS=3.24
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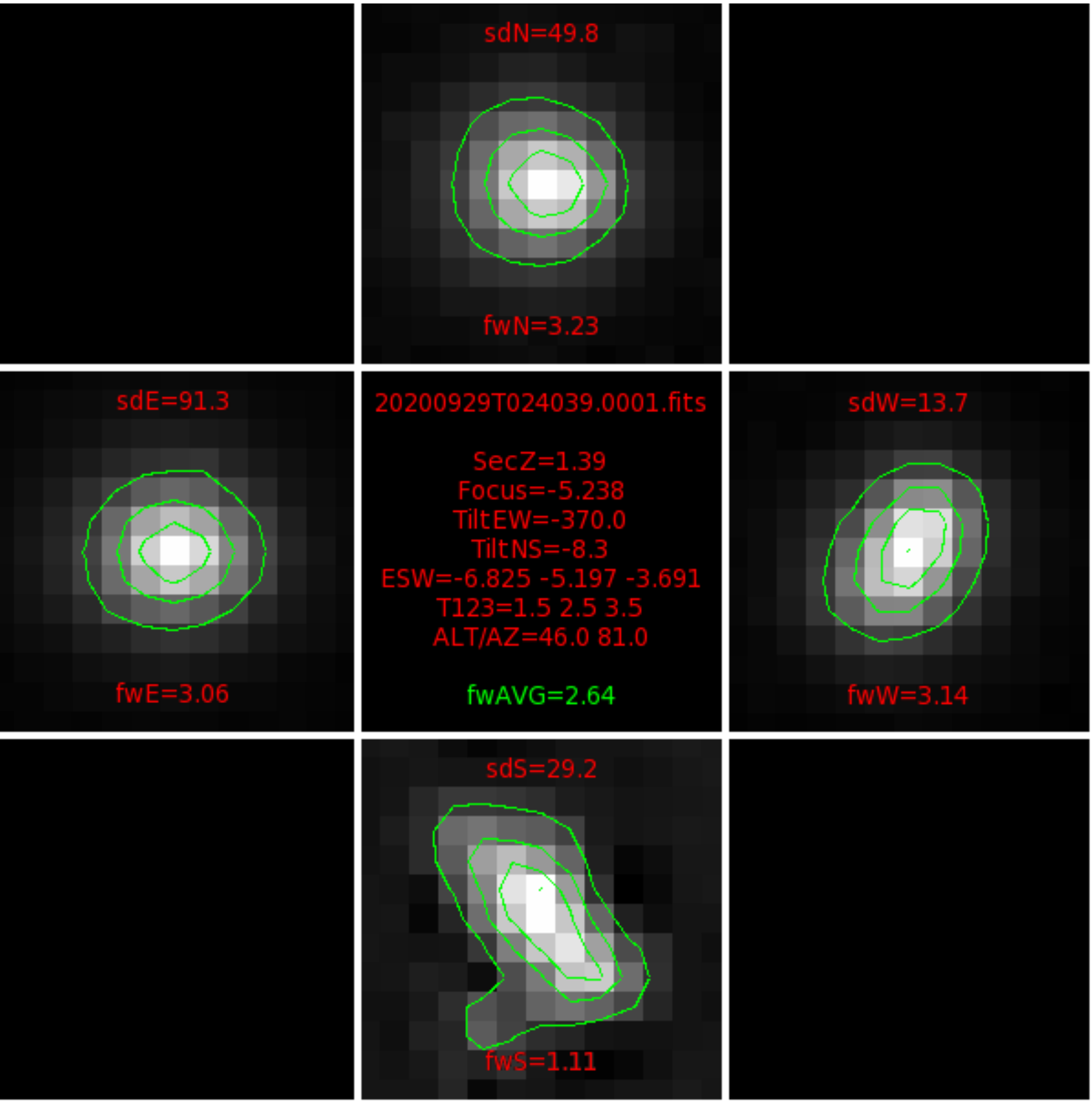
sdN=49.8
fwN=3.23
sdE=91.3
fwE=3.06
20200929T024039.0001.fits
SecZ=1.39
Focus=-5.238
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.825 -5.197 -3.691
T123=1.5 2.5 3.5
ALT/AZ=46.0 81.0
fwAVG=2.64
sdW=13.7
fwW=3.14
sdS=29.2
fwS=1.11
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sdN=5.0
fwN=0.00
sdE=4.4
20200929T024109.0001.fits
SecZ=1.39
Focus=-5.238
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.825 -5.197 -3.691
T123=1.6 2.4 3.5
ALT/AZ=46.0 81.0
sdW=5.6
fwE=0.00
fwW=0.00
sdS=7.6
fwS=0.00
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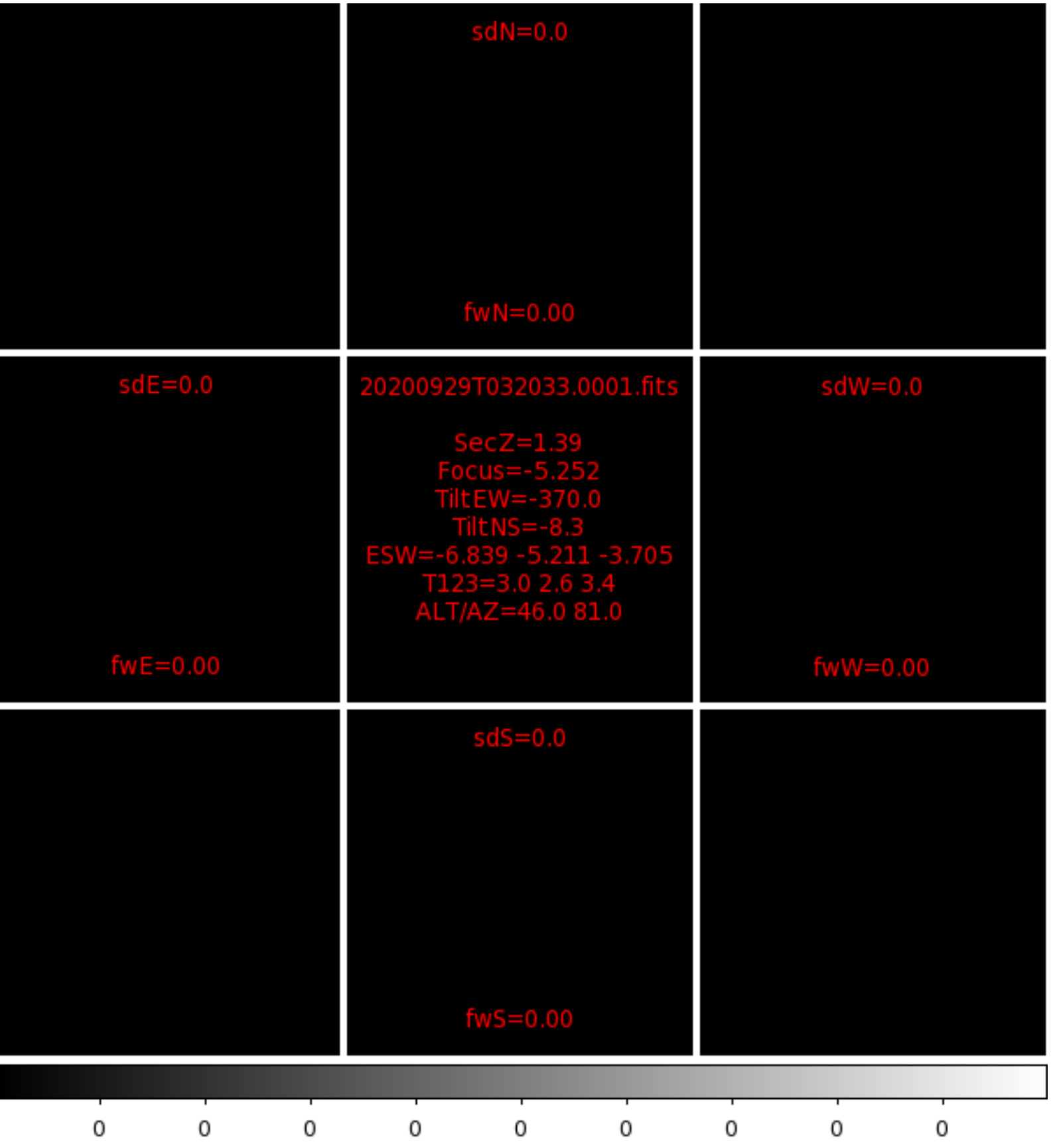
sdN=0.0
fwN=0.00
sdE=0.0
20200929T032033.0001.fits
SecZ=1.39
Focus=-5.252
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.839 -5.211 -3.705
T123=3.0 2.6 3.4
ALT/AZ=46.0 81.0
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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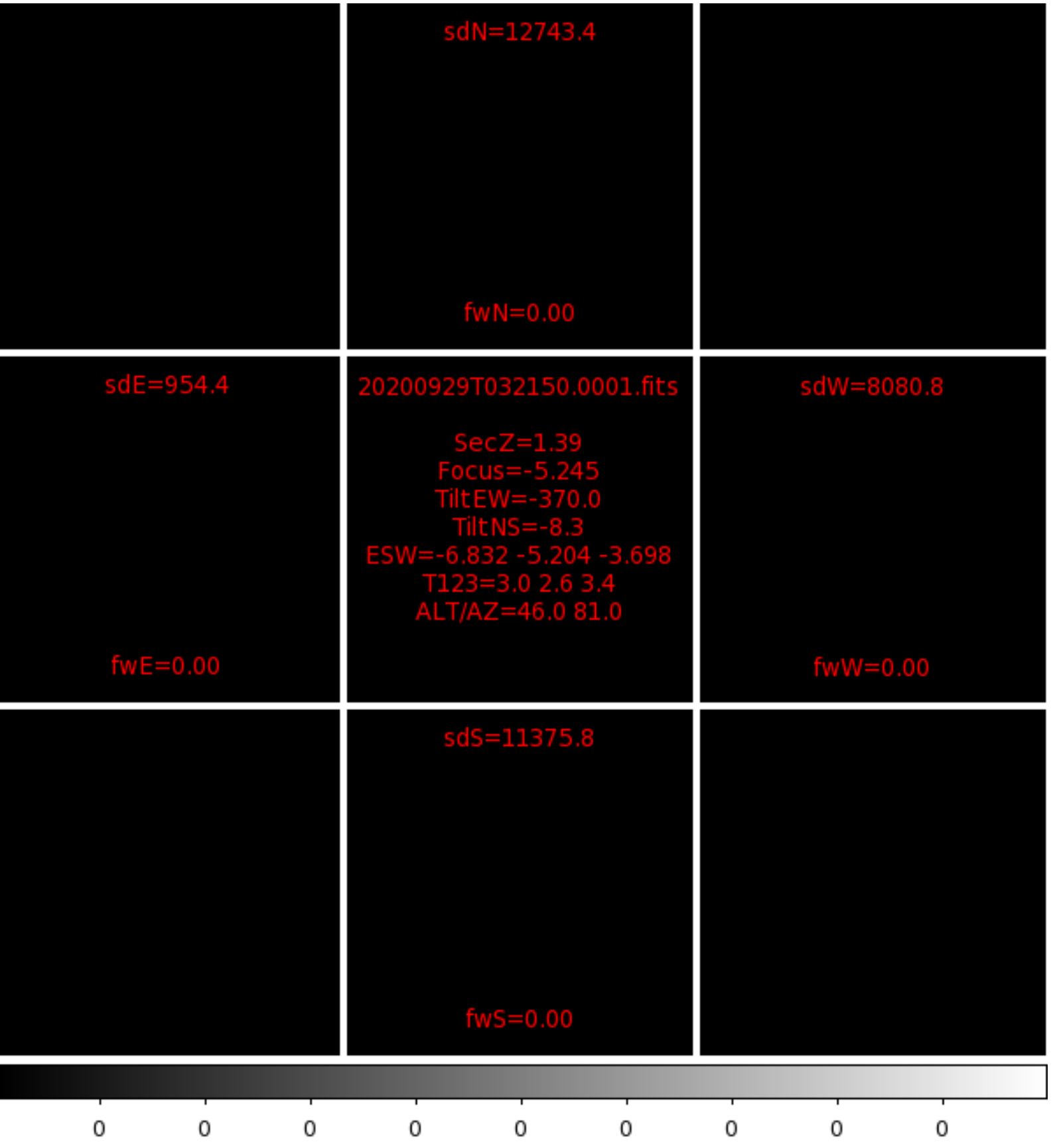
sdN=12743.4
fwN=0.00
sdE=954.4
20200929T032150.0001.fits
SecZ=1.39
Focus=-5.245
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.832 -5.204 -3.698
T123=3.0 2.6 3.4
ALT/AZ=46.0 81.0
sdW=8080.8
fwE=0.00
fwW=0.00
sdS=11375.8
fwS=0.00
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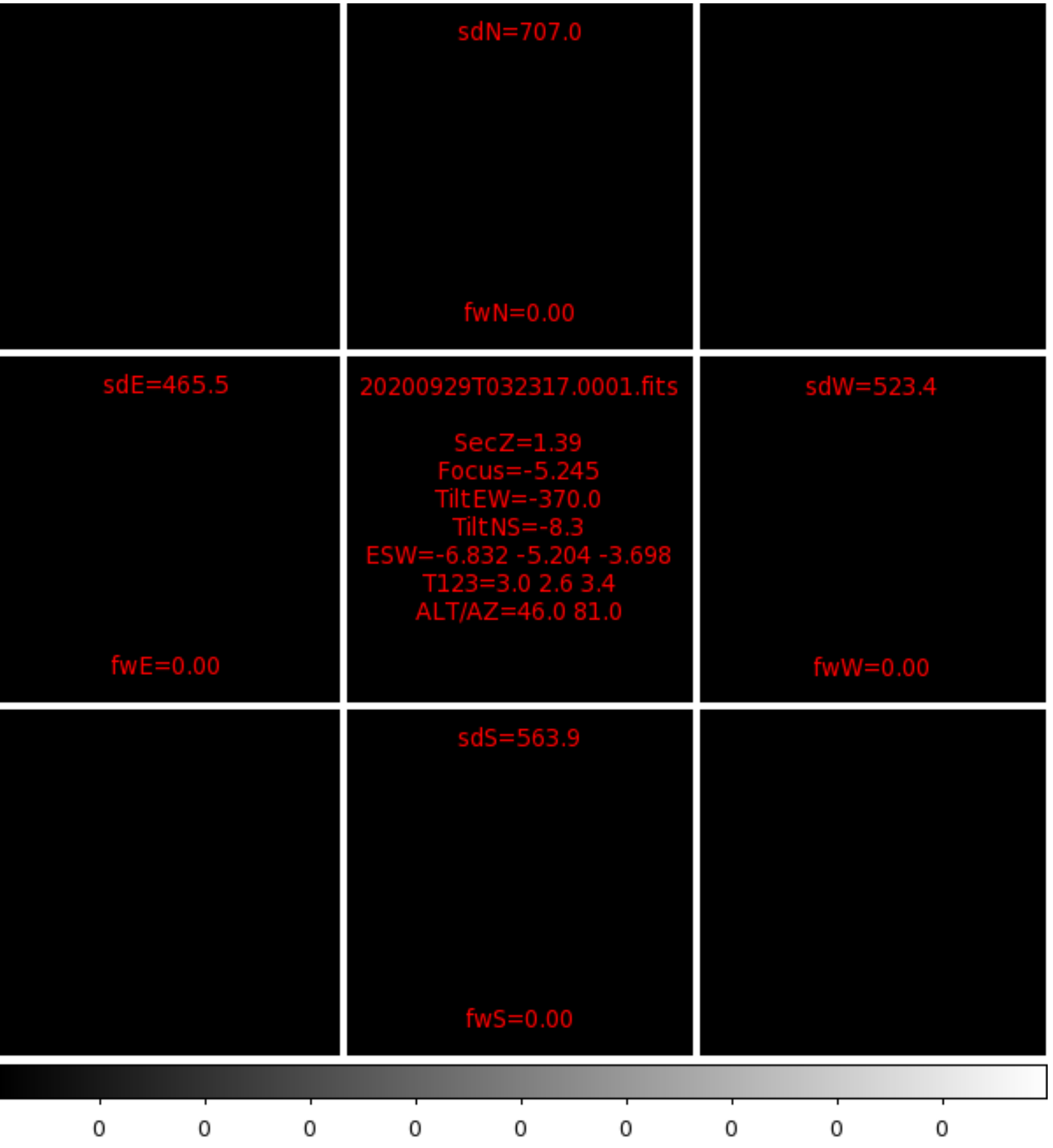
sdN=707.0
fwN=0.00
sdE=465.5
fwE=0.00
20200929T032317.0001.fits
SecZ=1.39
Focus=-5.245
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.832 -5.204 -3.698
T123=3.0 2.6 3.4
ALT/AZ=46.0 81.0
sdW=523.4
fwW=0.00
sdS=563.9
fwS=0.00
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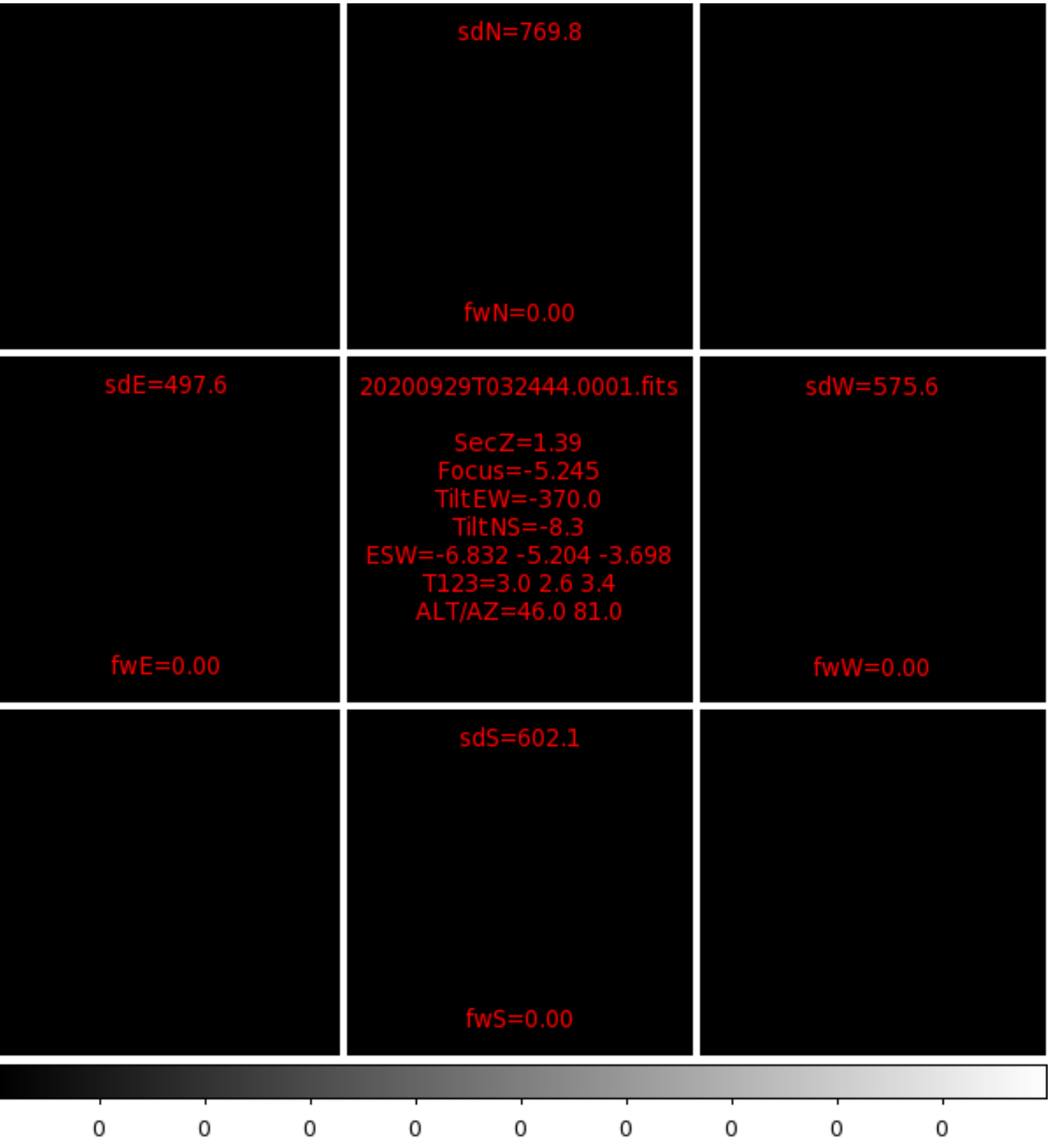
sdN=769.8
fwN=0.00
sdE=497.6
fwE=0.00
20200929T032444.0001.fits
SecZ=1.39
Focus=-5.245
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.832 -5.204 -3.698
T123=3.0 2.6 3.4
ALT/AZ=46.0 81.0
sdW=575.6
fwW=0.00
sdS=602.1
fwS=0.00
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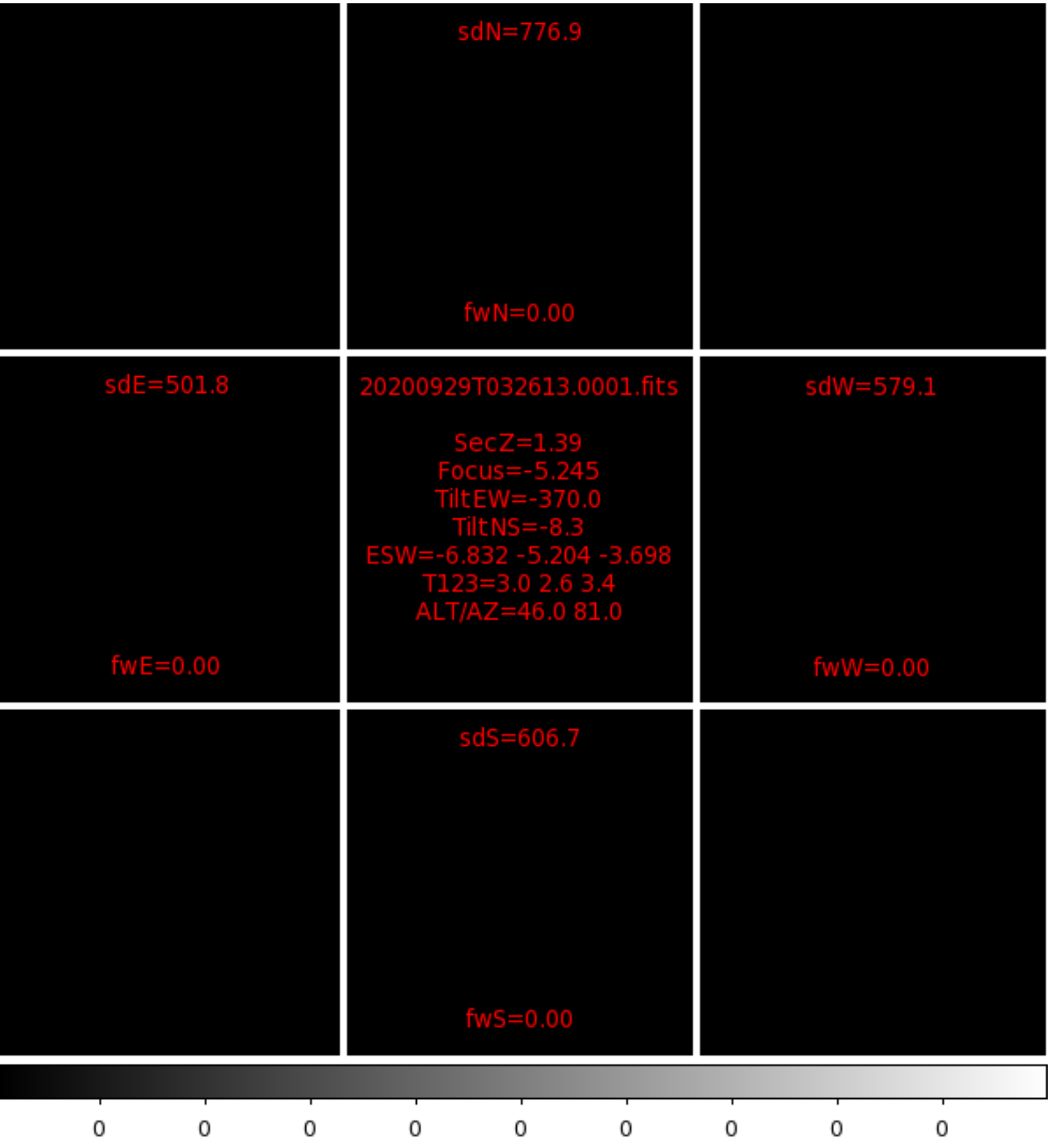
sdN=776.9
fwN=0.00
sdE=501.8
fwE=0.00
20200929T032613.0001.fits
SecZ=1.39
Focus=-5.245
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.832 -5.204 -3.698
T123=3.0 2.6 3.4
ALT/AZ=46.0 81.0
sdW=579.1
fwW=0.00
sdS=606.7
fwS=0.00
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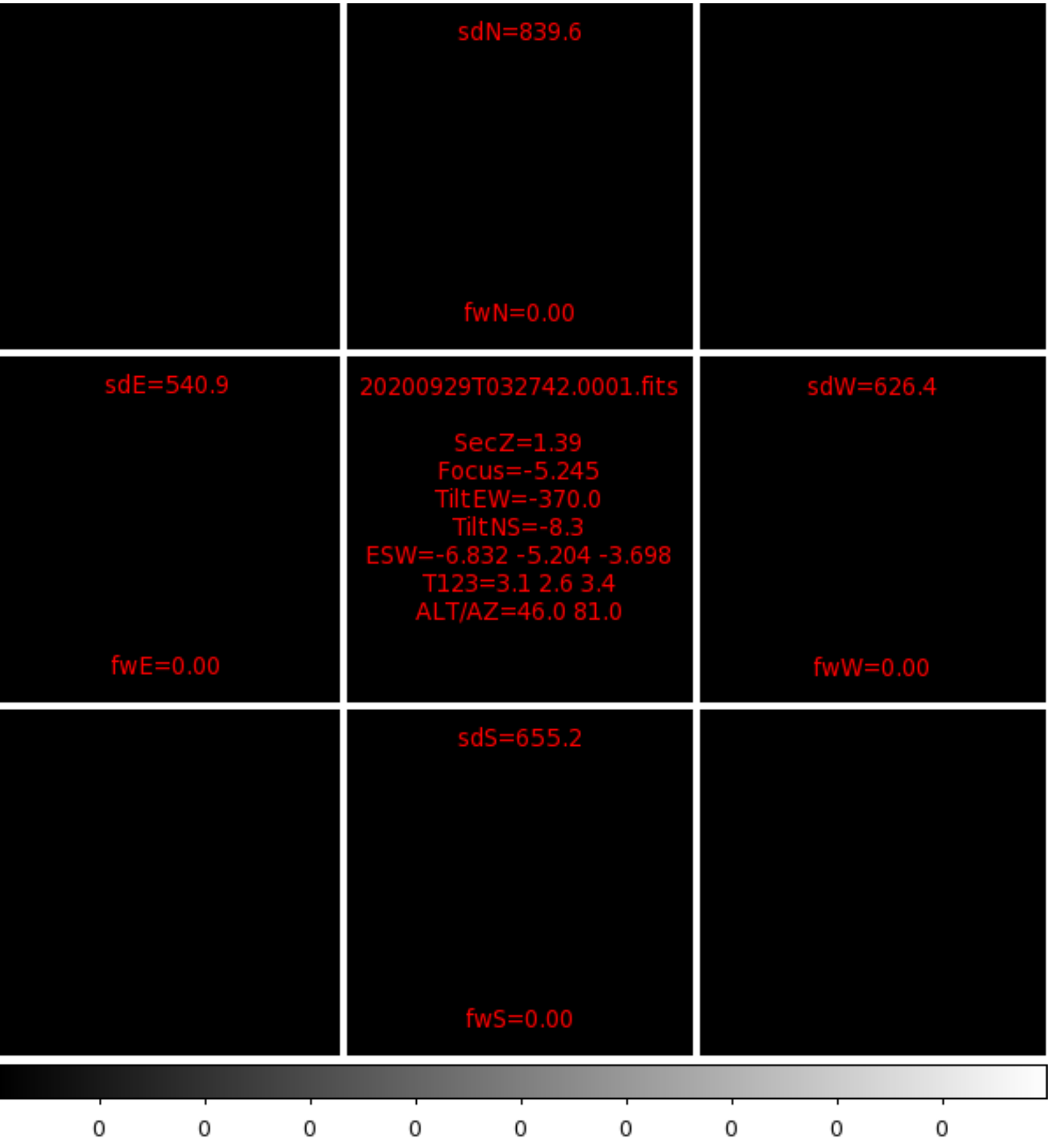
sdN=839.6
fwN=0.00
sdE=540.9
fwE=0.00
20200929T032742.0001.fits
SecZ=1.39
Focus=-5.245
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.832 -5.204 -3.698
T123=3.1 2.6 3.4
ALT/AZ=46.0 81.0
sdW=626.4
fwW=0.00
sdS=655.2
fwS=0.00
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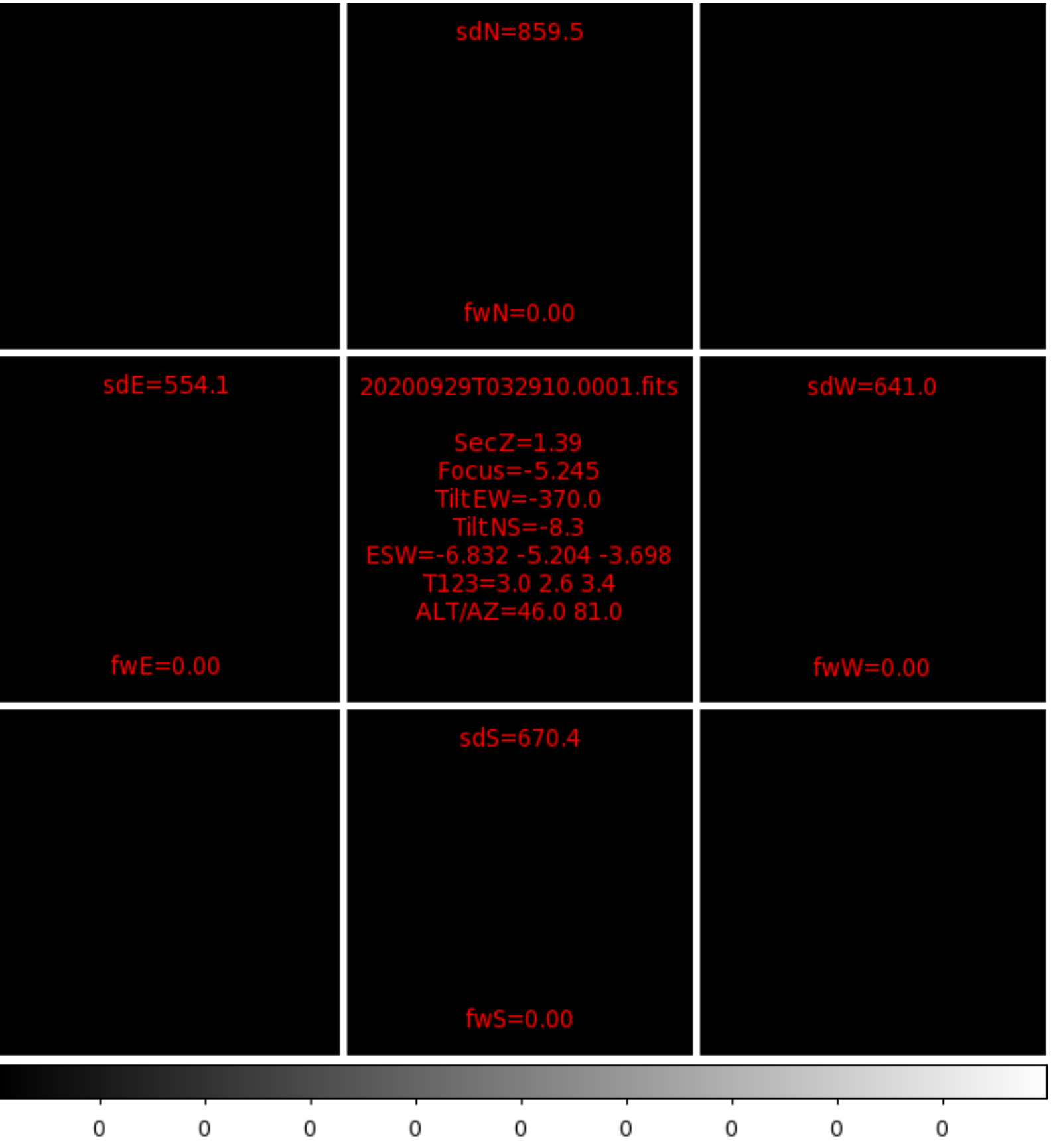
sdN=859.5
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sdE=554.1
fwE=0.00
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SecZ=1.39
Focus=-5.245
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.832 -5.204 -3.698
T123=3.0 2.6 3.4
ALT/AZ=46.0 81.0
sdW=641.0
fwW=0.00
sdS=670.4
fwS=0.00
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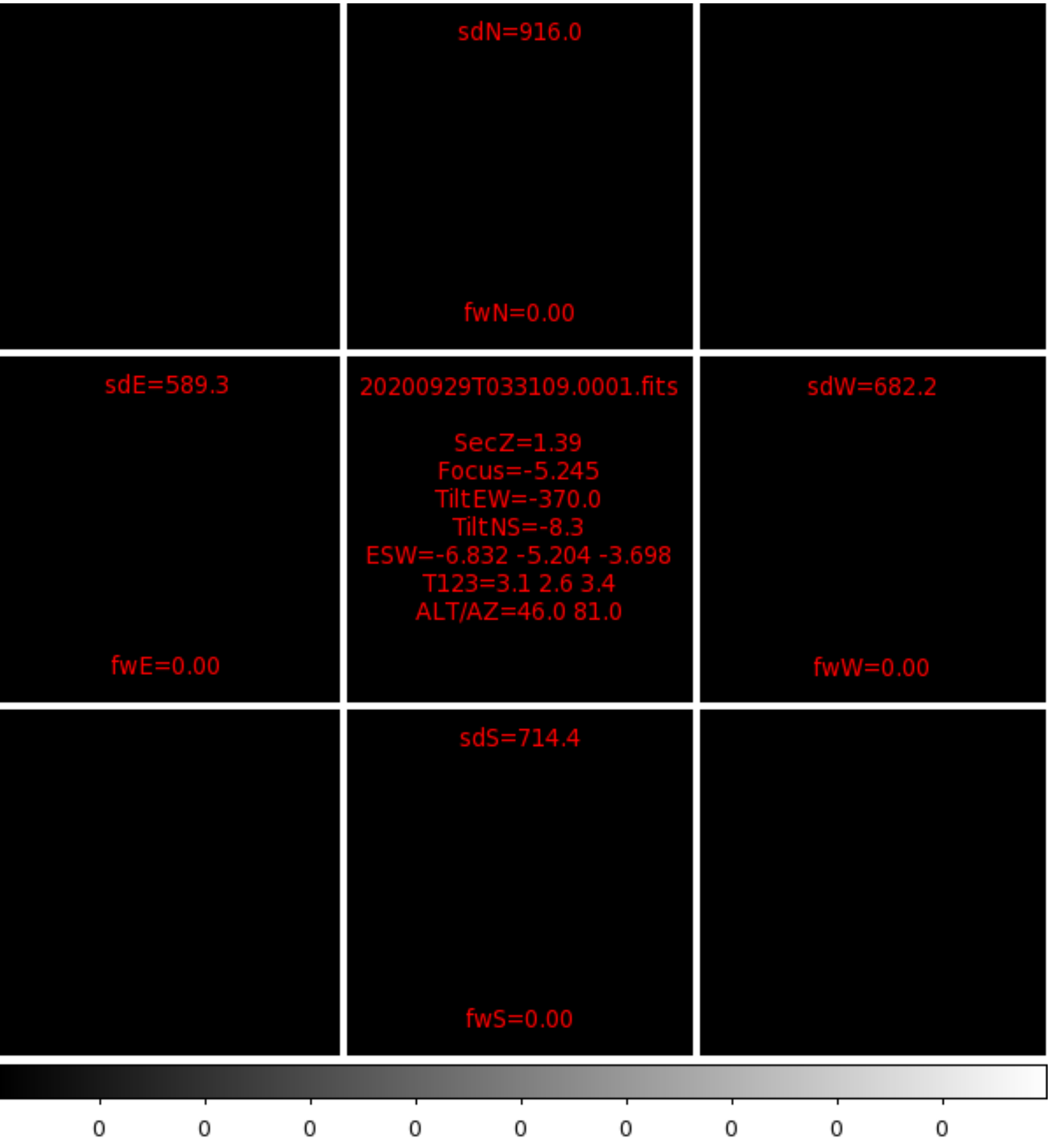
sdN=916.0
fwN=0.00
sdE=589.3
fwE=0.00
20200929T033109.0001.fits
SecZ=1.39
Focus=-5.245
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.832 -5.204 -3.698
T123=3.1 2.6 3.4
ALT/AZ=46.0 81.0
sdW=682.2
fwW=0.00
sdS=714.4
fwS=0.00
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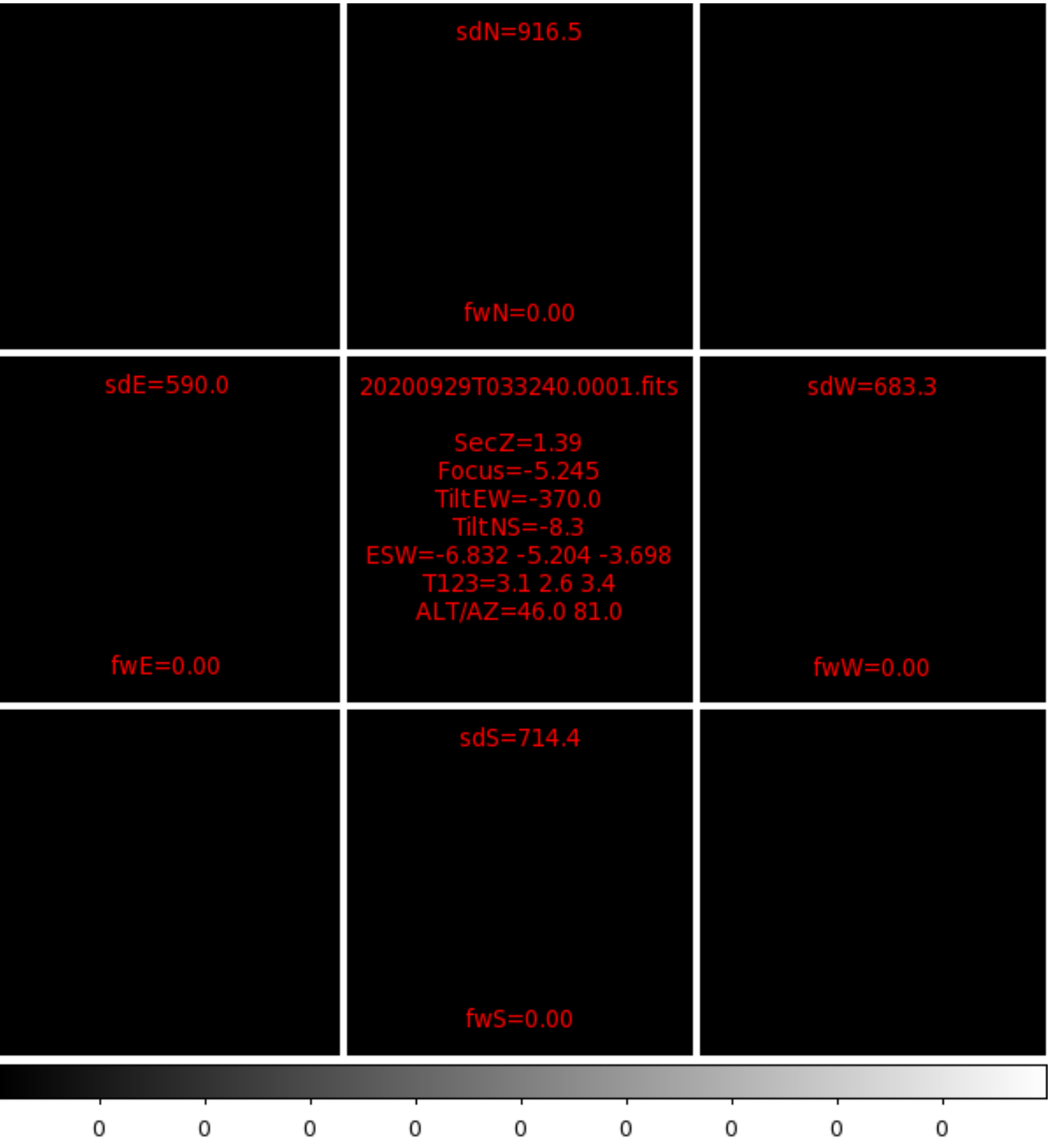
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sdE=590.0
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SecZ=1.39
Focus=-5.245
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.832 -5.204 -3.698
T123=3.1 2.6 3.4
ALT/AZ=46.0 81.0
sdW=683.3
fwE=0.00
fwW=0.00
sdS=714.4
fwS=0.00
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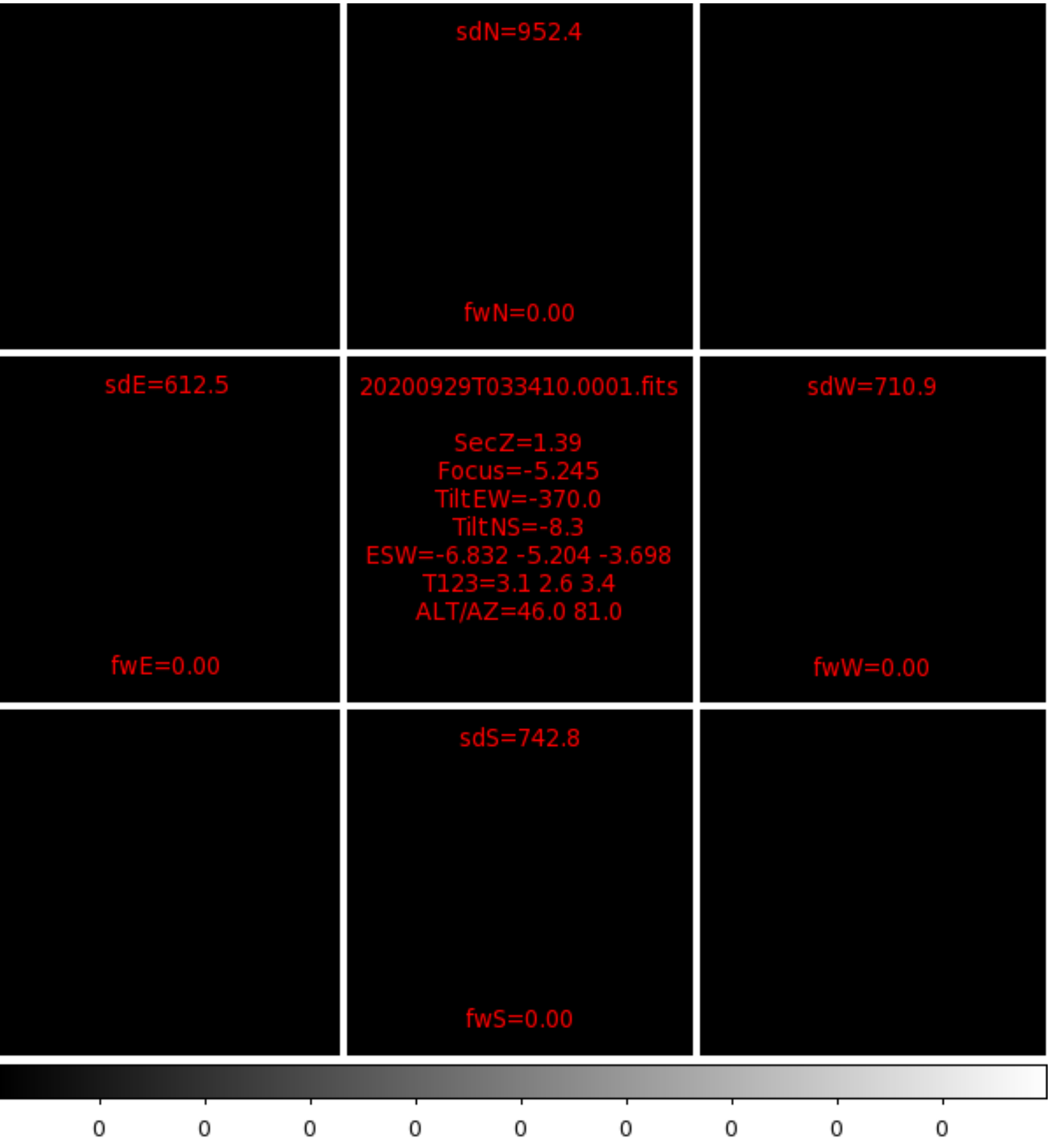
sdN=952.4
fwN=0.00
sdE=612.5
fwE=0.00
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SecZ=1.39
Focus=-5.245
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.832 -5.204 -3.698
T123=3.1 2.6 3.4
ALT/AZ=46.0 81.0
sdW=710.9
fwW=0.00
sdS=742.8
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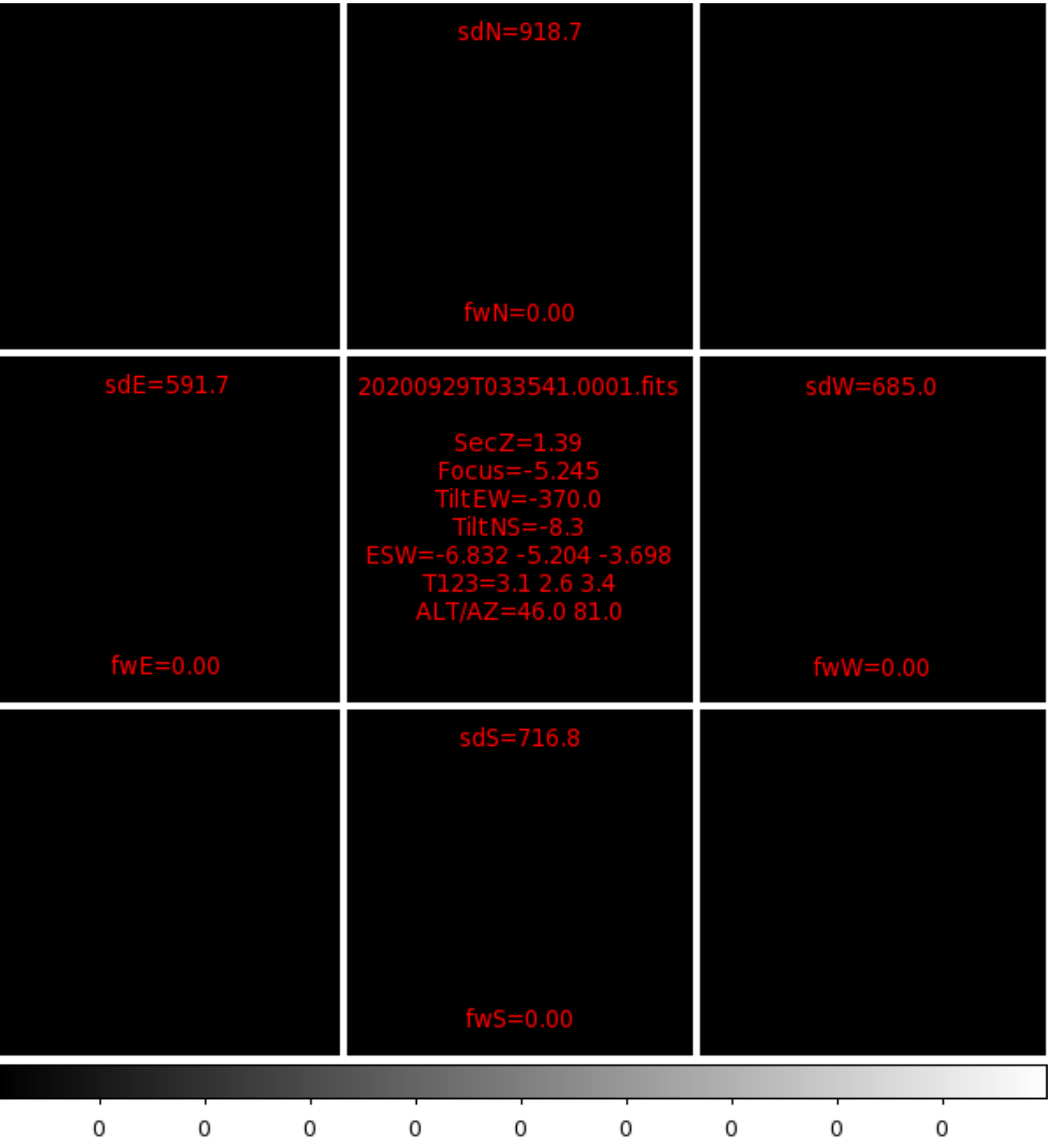
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sdE=591.7
20200929T033541.0001.fits
SecZ=1.39
Focus=-5.245
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.832 -5.204 -3.698
T123=3.1 2.6 3.4
ALT/AZ=46.0 81.0
sdW=685.0
fwE=0.00
fwW=0.00
sdS=716.8
fwS=0.00
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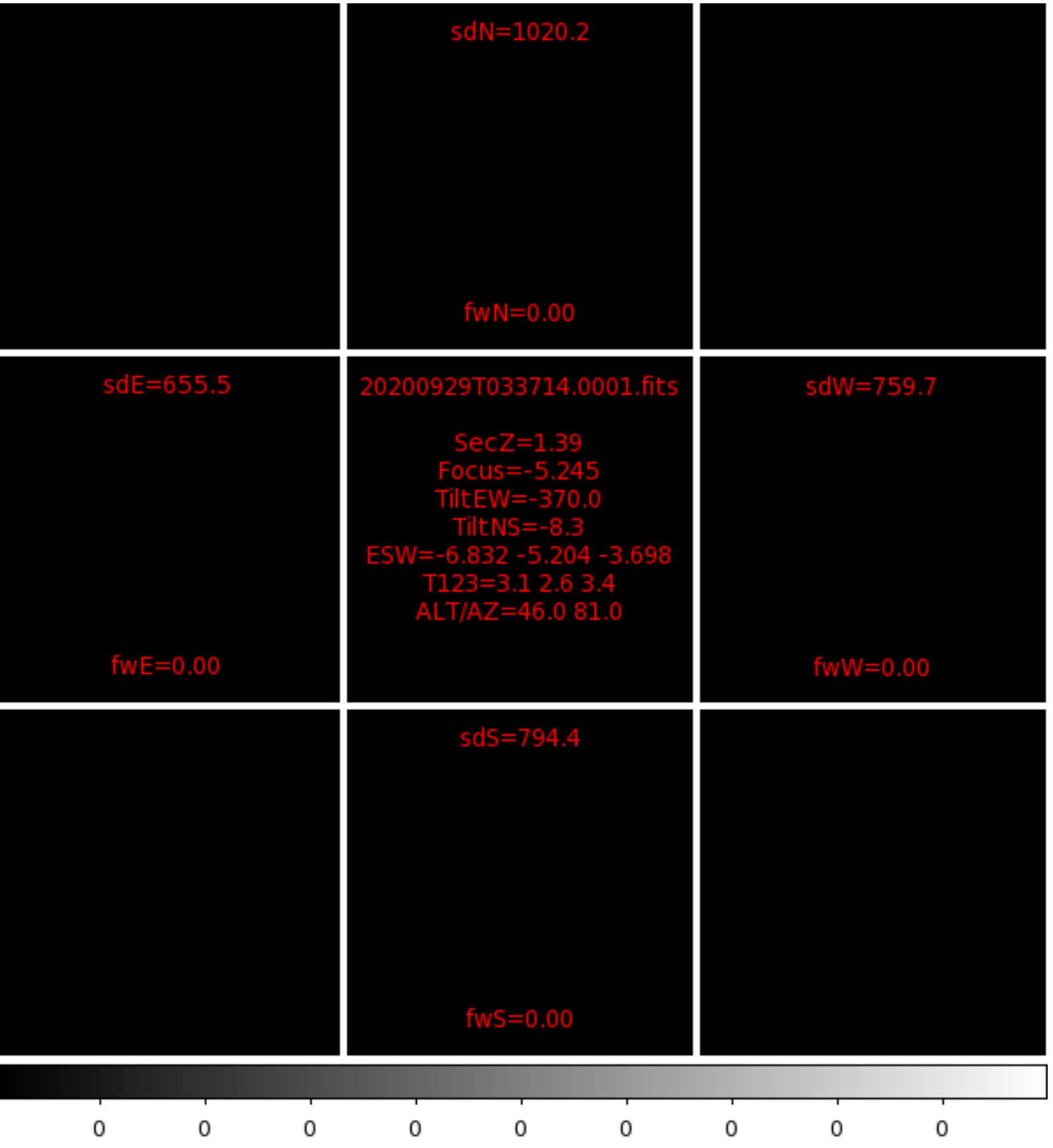
sdN=1020.2
fwN=0.00
sdE=655.5
fwE=0.00
20200929T033714.0001.fits
SecZ=1.39
Focus=-5.245
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.832 -5.204 -3.698
T123=3.1 2.6 3.4
ALT/AZ=46.0 81.0
sdW=759.7
fwW=0.00
sdS=794.4
fwS=0.00
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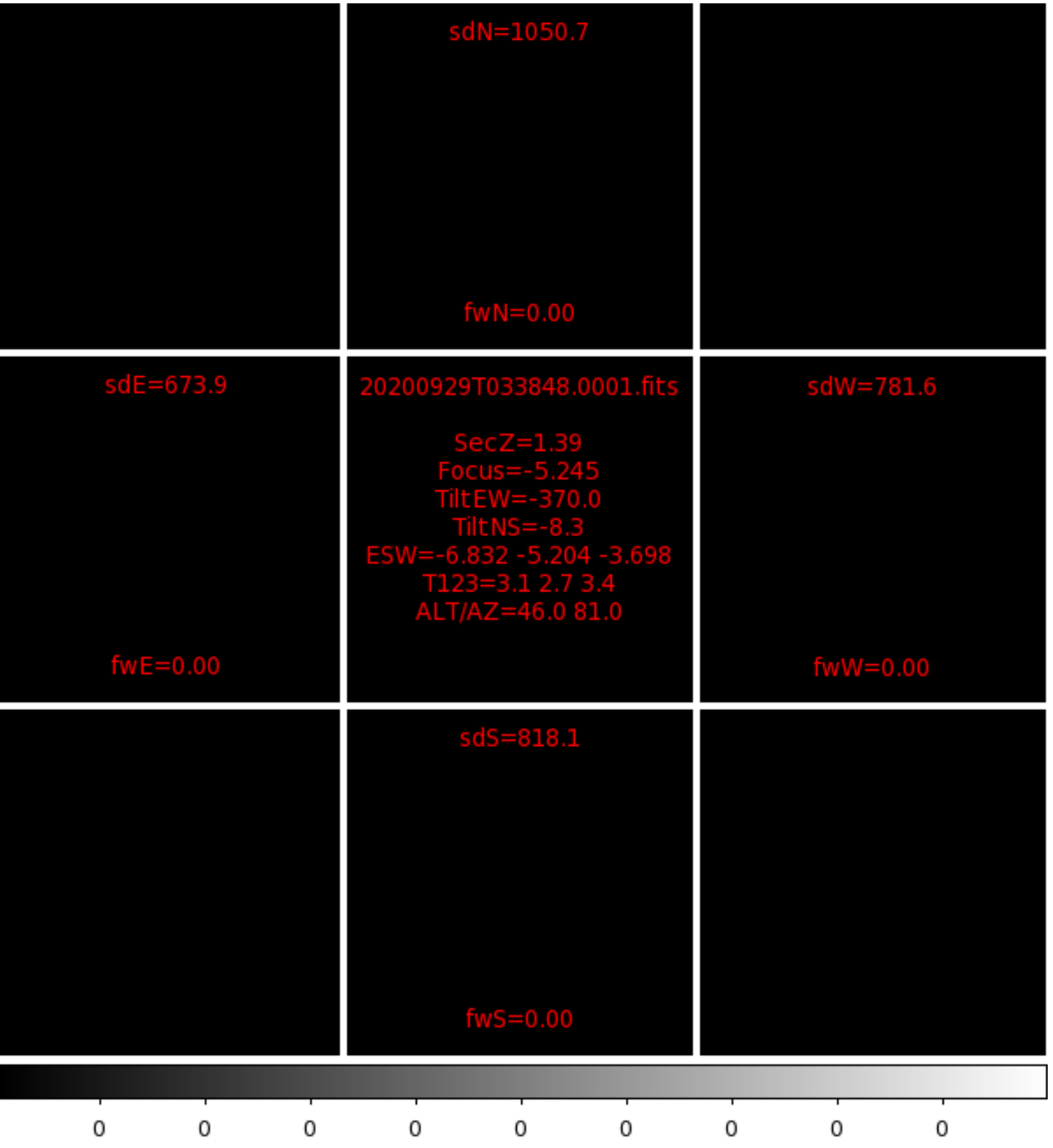
sdN=1050.7
fwN=0.00
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fwE=0.00
20200929T033848.0001.fits
SecZ=1.39
Focus=-5.245
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.832 -5.204 -3.698
T123=3.1 2.7 3.4
ALT/AZ=46.0 81.0
sdW=781.6
fwW=0.00
sdS=818.1
fwS=0.00
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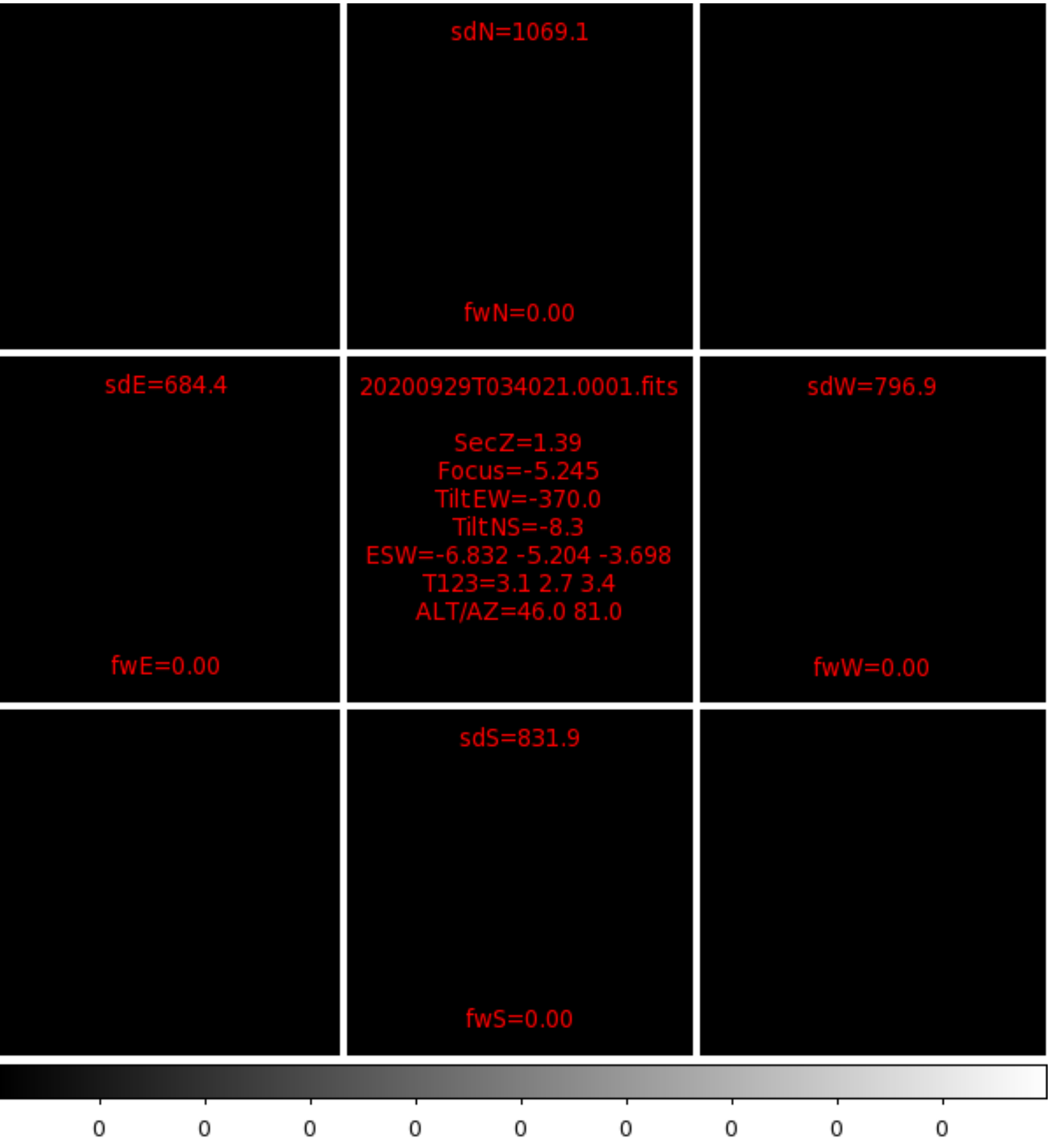
sdN=1069.1
fwN=0.00
sdE=684.4
fwE=0.00
20200929T034021.0001.fits
SecZ=1.39
Focus=-5.245
TiltEW=-370.0
TiltNS=-8.3
ESW=-6.832 -5.204 -3.698
T123=3.1 2.7 3.4
ALT/AZ=46.0 81.0
sdW=796.9
fwW=0.00
sdS=831.9
fwS=0.00
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