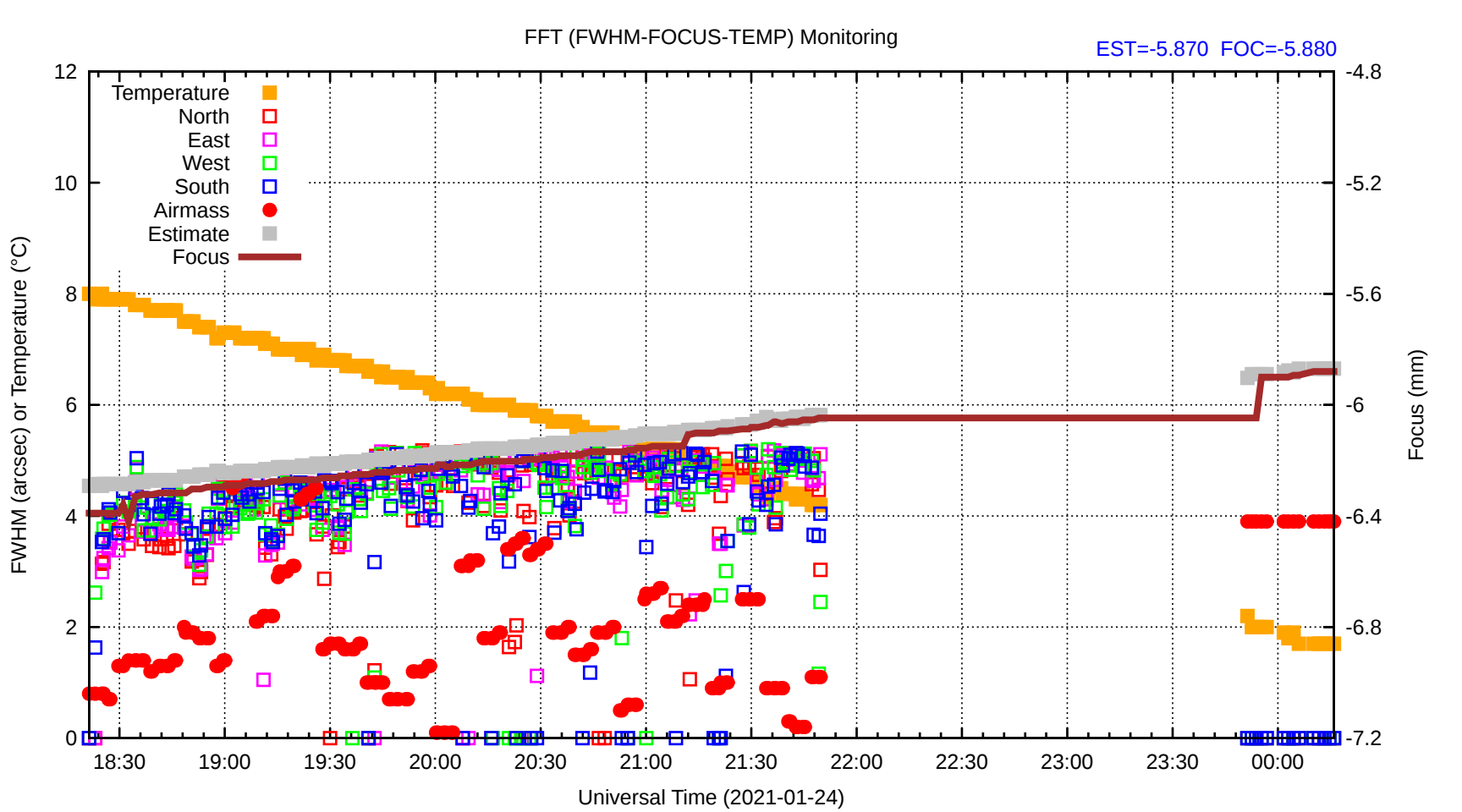
FFT (FWHM-FOCUS-TEMP) Monitoring
EST=-5.870 FOC=-5.880
Temperature
North
East
West
South
Airmass
Estimate
Focus
FWHM (arcsec) or Temperature (°C)
Focus (mm)
Universal Time (2021-01-24)
12
10
8
6
4
2
0
-4.8
-5.2
-5.6
-6
-6.4
-6.8
-7.2
18:30
19:00
19:30
20:00
20:30
21:00
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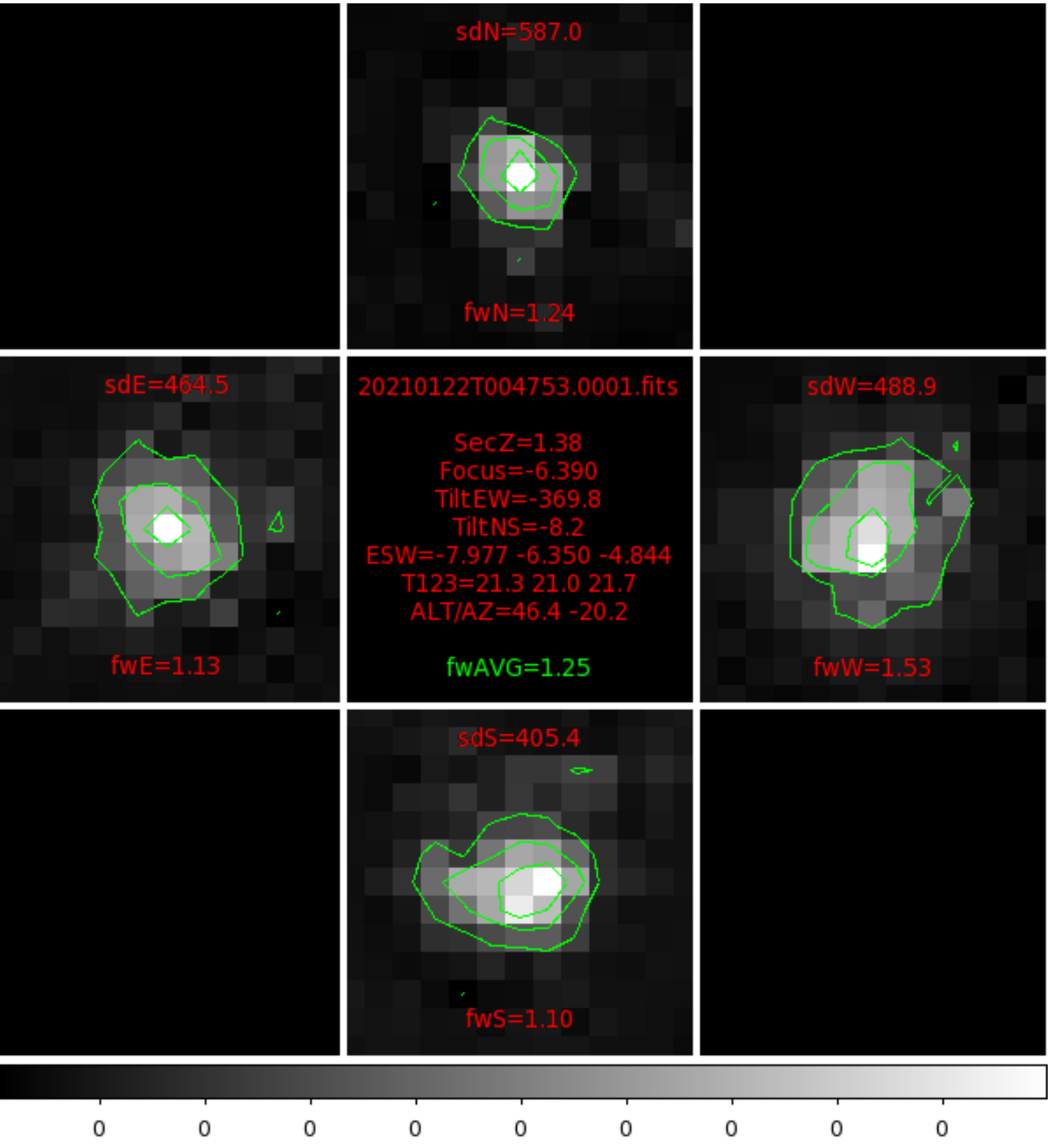
22:00
22:30
23:00
23:30
00:00


sdN=587.0
fwN=1.24
sdE=464.5
fwE=1.13
20210122T004753.0001.fits
SecZ=1.38
Focus=-6.390
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.977 -6.350 -4.844
T123=21.3 21.0 21.7
ALT/AZ=46.4 -20.2
fwAVG=1.25
sdW=488.9
fwW=1.53
sdS=405.4
fwS=1.10
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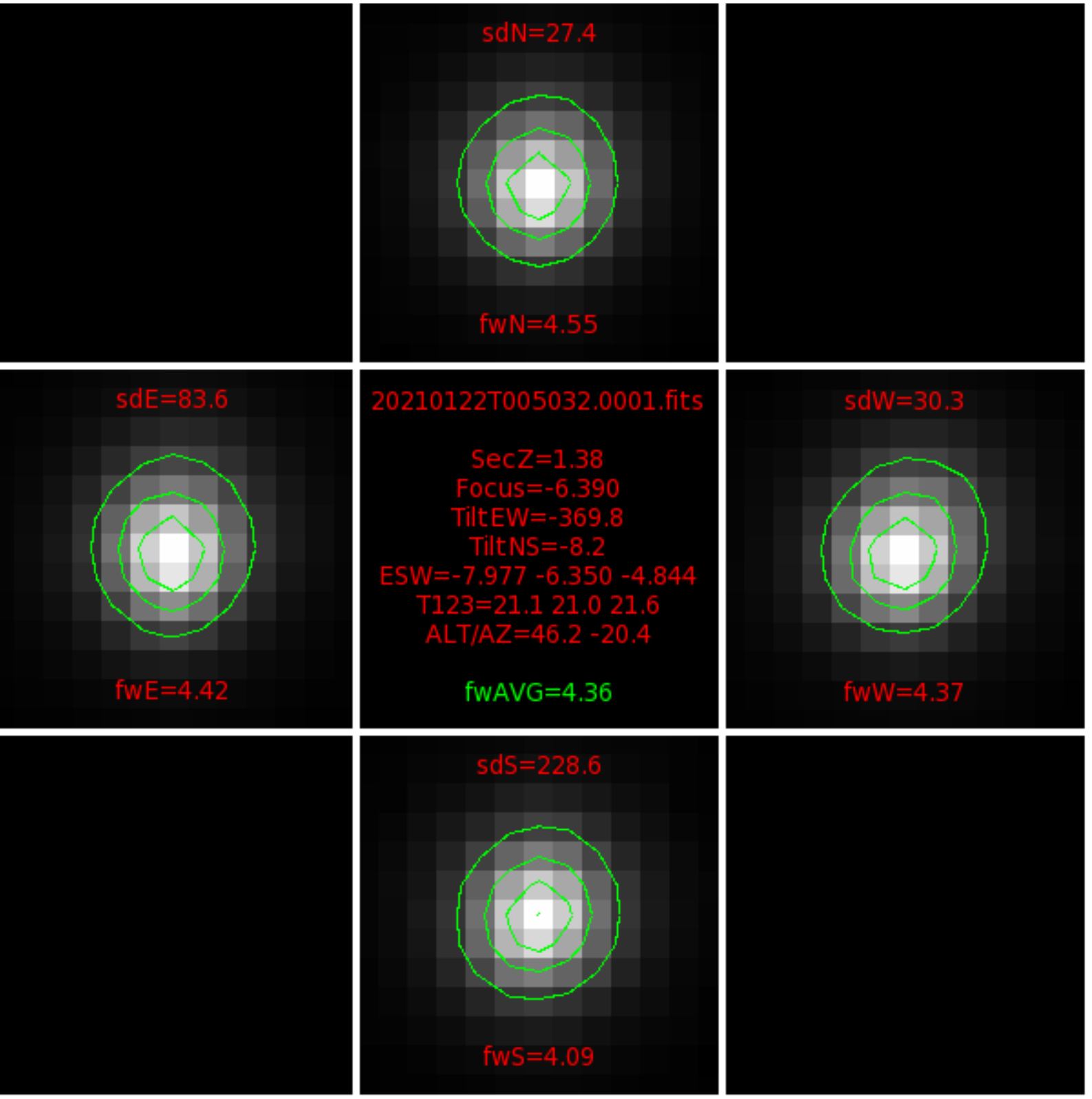
sdN=27.4
fwN=4.55
sdE=83.6
fwE=4.42
20210122T005032.0001.fits
SecZ=1.38
Focus=-6.390
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.977 -6.350 -4.844
T123=21.1 21.0 21.6
ALT/AZ=46.2 -20.4
fwAVG=4.36
sdW=30.3
fwW=4.37
sdS=228.6
fwS=4.09
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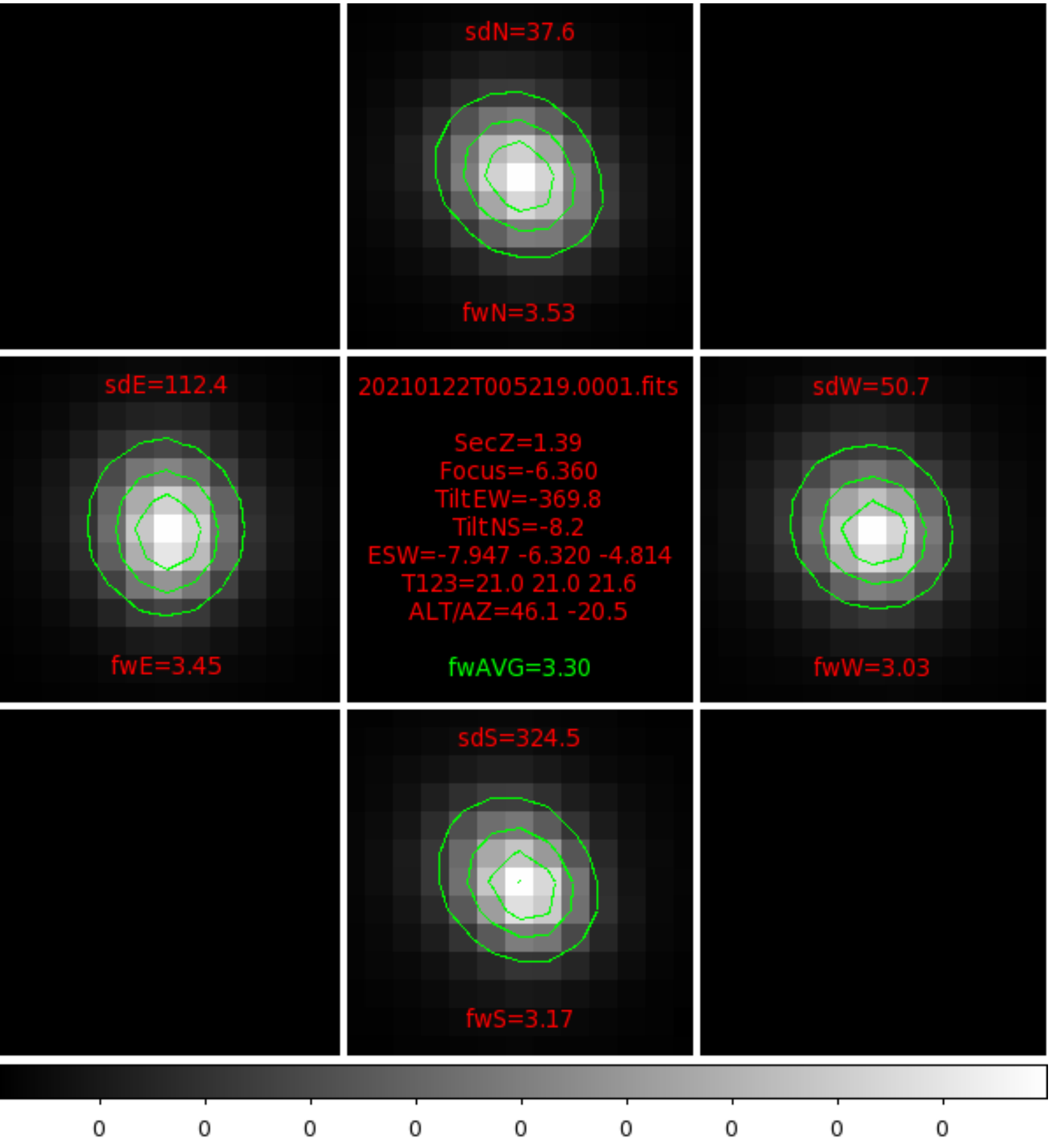
sdN=37.6
fwN=3.53
sdE=112.4
fwE=3.45
20210122T005219.0001.fits
SecZ=1.39
Focus=-6.360
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.947 -6.320 -4.814
T123=21.0 21.0 21.6
ALT/AZ=46.1 -20.5
fwAVG=3.30
sdW=50.7
fwW=3.03
sdS=324.5
fwS=3.17
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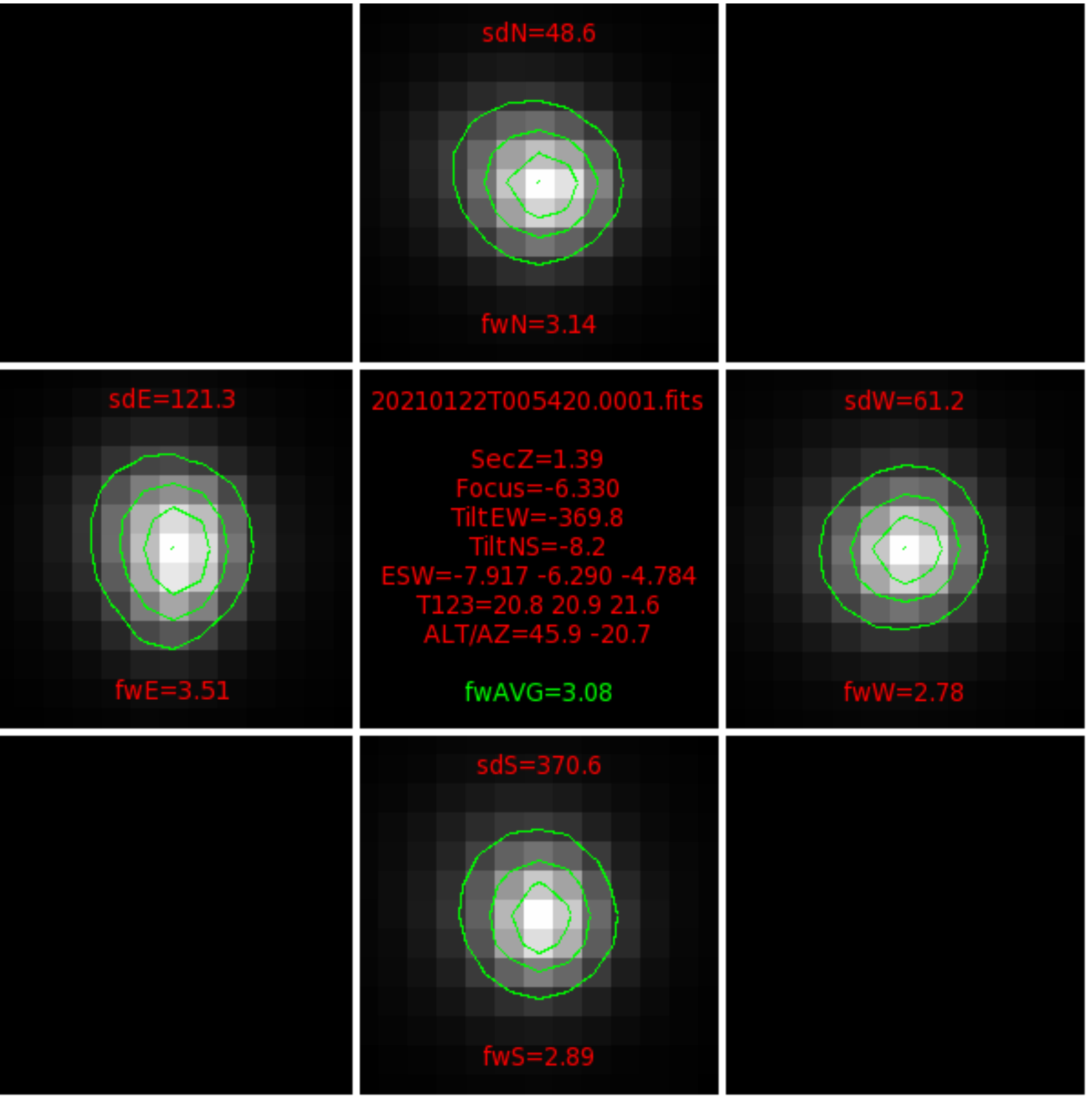
sdN=48.6
fwN=3.14
sdE=121.3
fwE=3.51
20210122T005420.0001.fits
SecZ=1.39
Focus=-6.330
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.917 -6.290 -4.784
T123=20.8 20.9 21.6
ALT/AZ=45.9 -20.7
fwAVG=3.08
sdW=61.2
fwW=2.78
sdS=370.6
fwS=2.89
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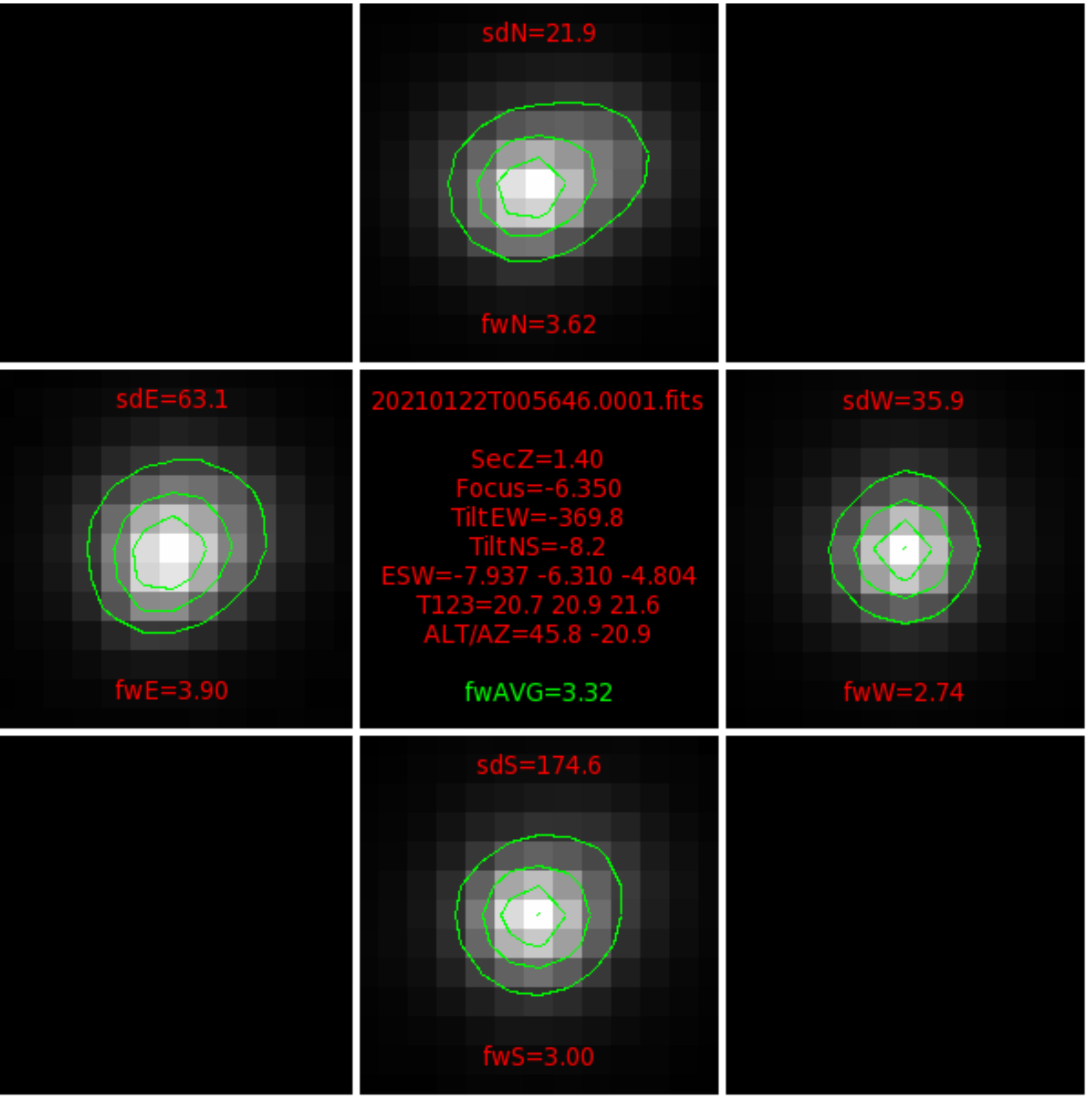
sdN=21.9
fwN=3.62
sdE=63.1
fwE=3.90
20210122T005646.0001.fits
SecZ=1.40
Focus=-6.350
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.937 -6.310 -4.804
T123=20.7 20.9 21.6
ALT/AZ=45.8 -20.9
fwAVG=3.32
sdW=35.9
fwW=2.74
sdS=174.6
fwS=3.00
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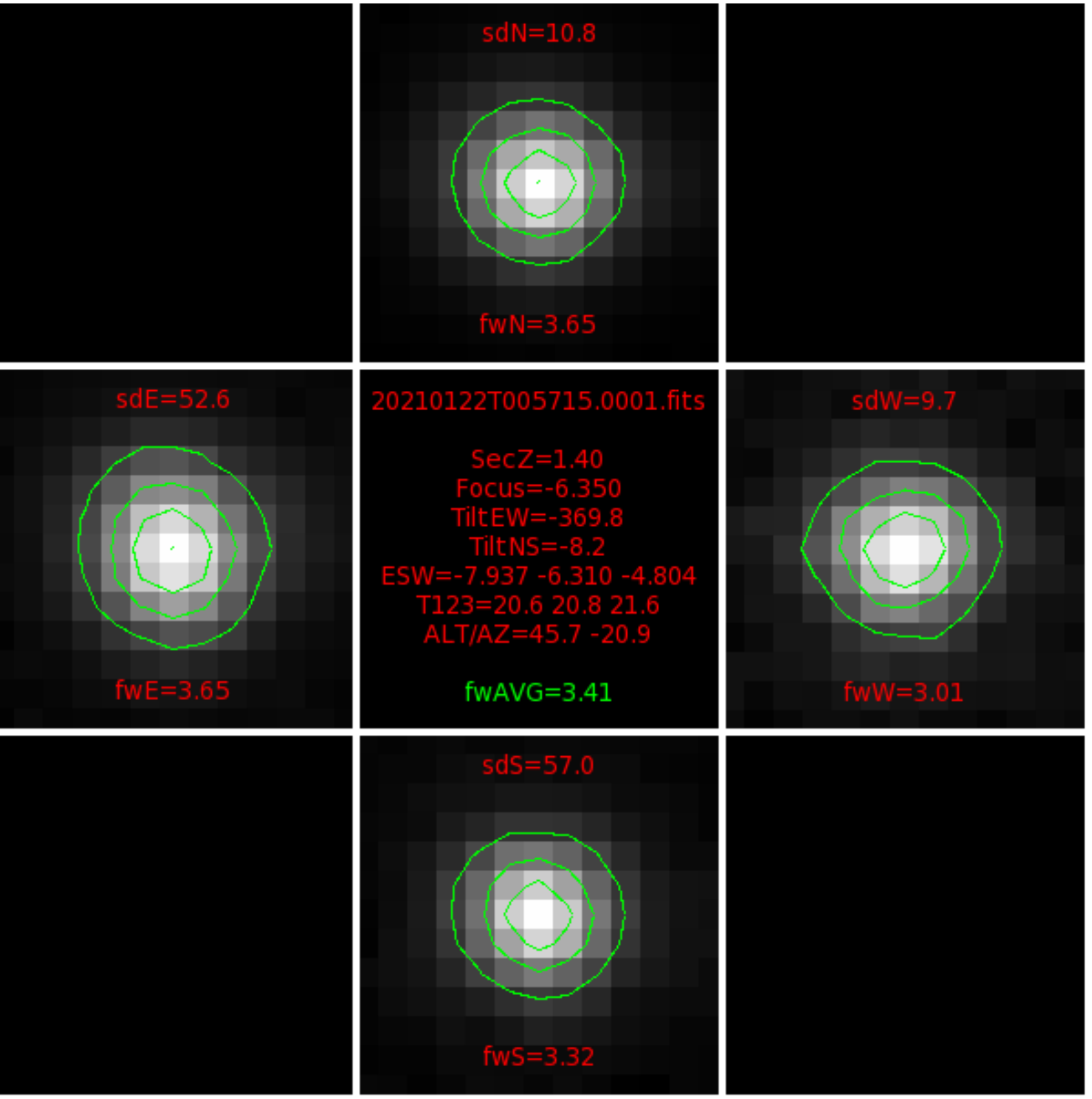
sdN=10.8
fwN=3.65
sdE=52.6
fwE=3.65
20210122T005715.0001.fits
SecZ=1.40
Focus=-6.350
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.937 -6.310 -4.804
T123=20.6 20.8 21.6
ALT/AZ=45.7 -20.9
fwAVG=3.41
sdW=9.7
fwW=3.01
sdS=57.0
fwS=3.32
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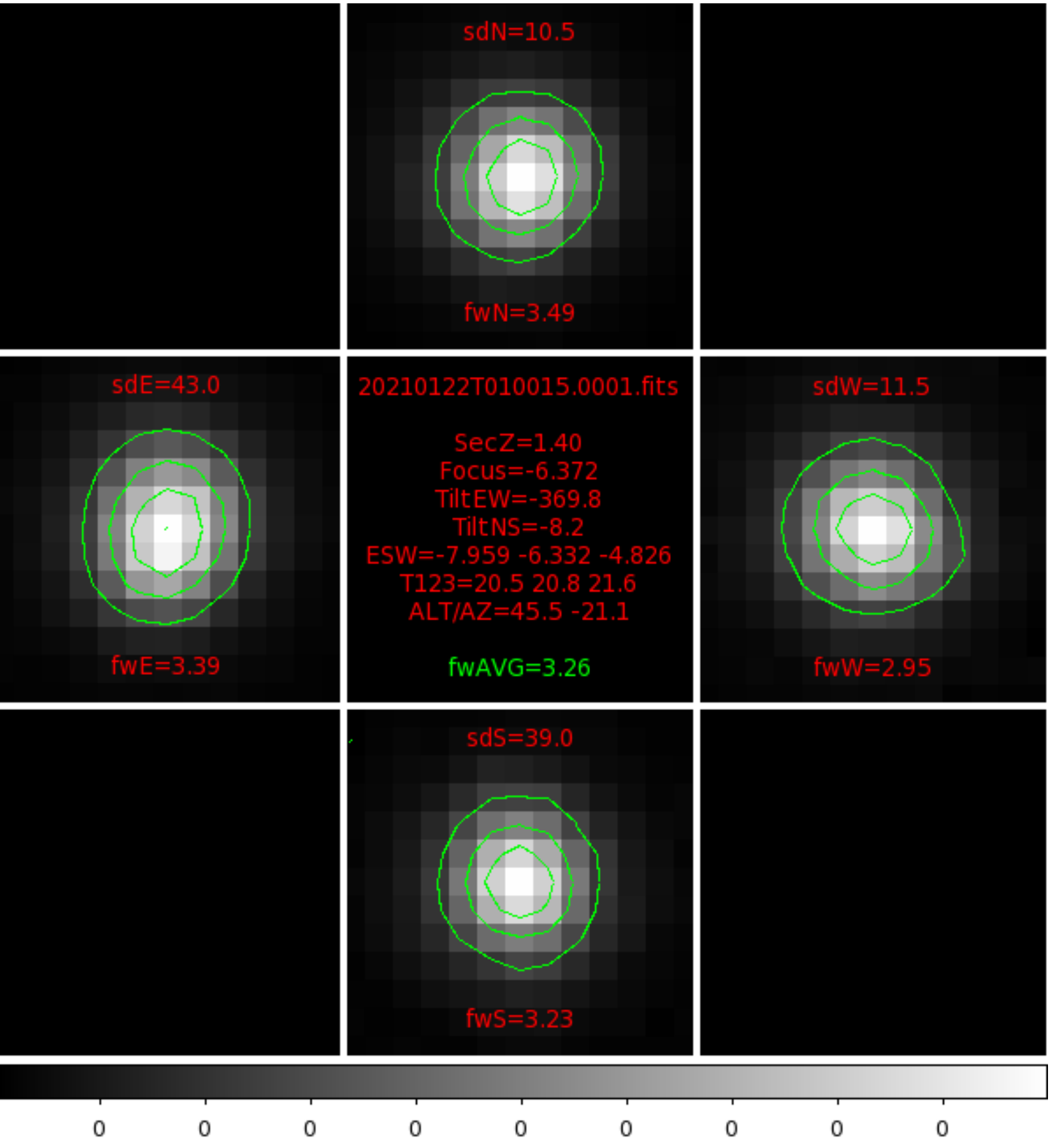
sdN=10.5
fwN=3.49
sdE=43.0
fwE=3.39
20210122T010015.0001.fits
SecZ=1.40
Focus=-6.372
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.959 -6.332 -4.826
T123=20.5 20.8 21.6
ALT/AZ=45.5 -21.1
fwAVG=3.26
sdW=11.5
fwW=2.95
sdS=39.0
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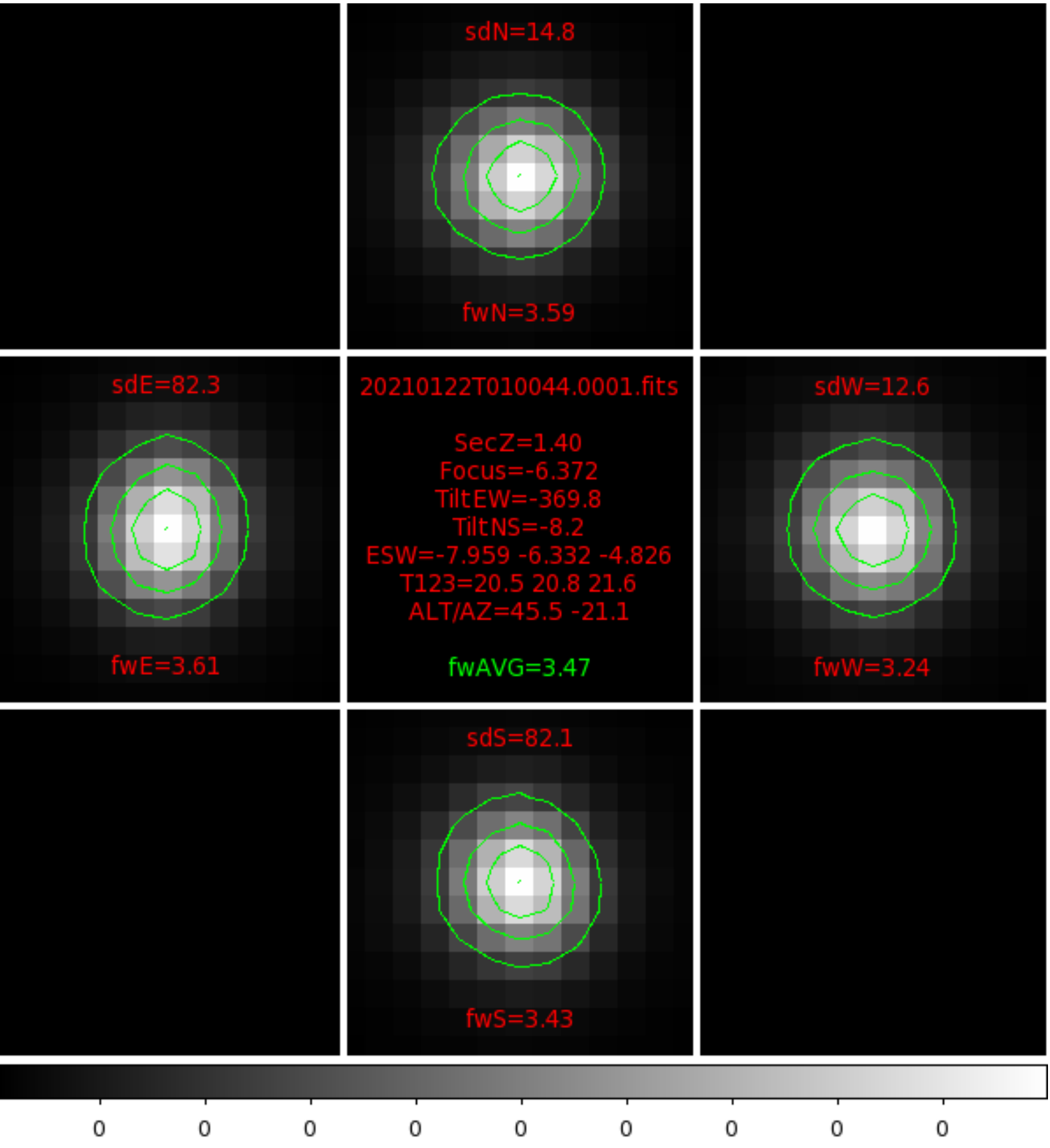
sdN=14.8
fwN=3.59
sdE=82.3
fwE=3.61
20210122T010044.0001.fits
SecZ=1.40
Focus=-6.372
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.959 -6.332 -4.826
T123=20.5 20.8 21.6
ALT/AZ=45.5 -21.1
fwAVG=3.47
sdW=12.6
fwW=3.24
sdS=82.1
fwS=3.43
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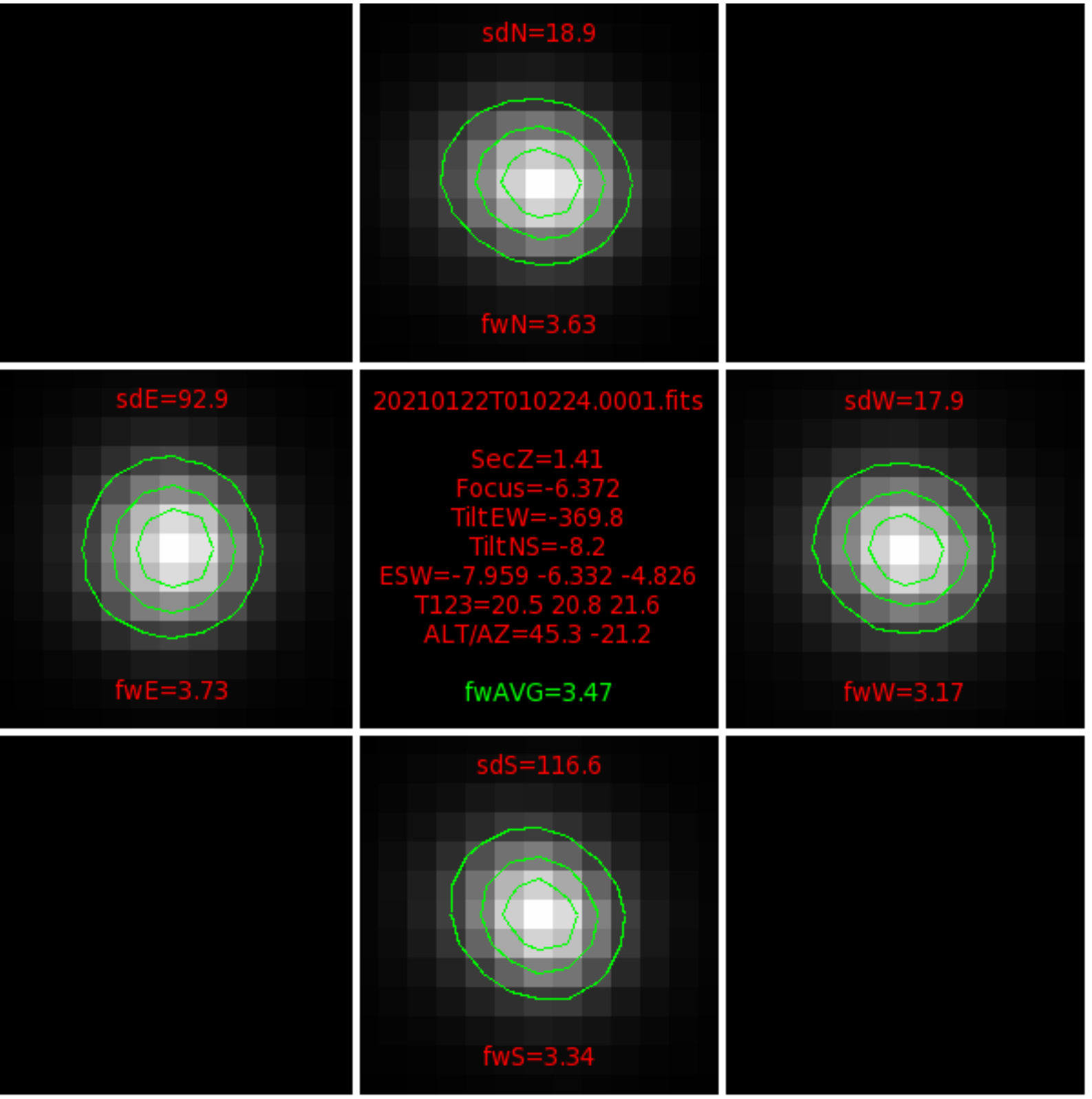
sdN=18.9
fwN=3.63
sdE=92.9
fwE=3.73
20210122T010224.0001.fits
SecZ=1.41
Focus=-6.372
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.959 -6.332 -4.826
T123=20.5 20.8 21.6
ALT/AZ=45.3 -21.2
fwAVG=3.47
sdW=17.9
fwW=3.17
sdS=116.6
fwS=3.34
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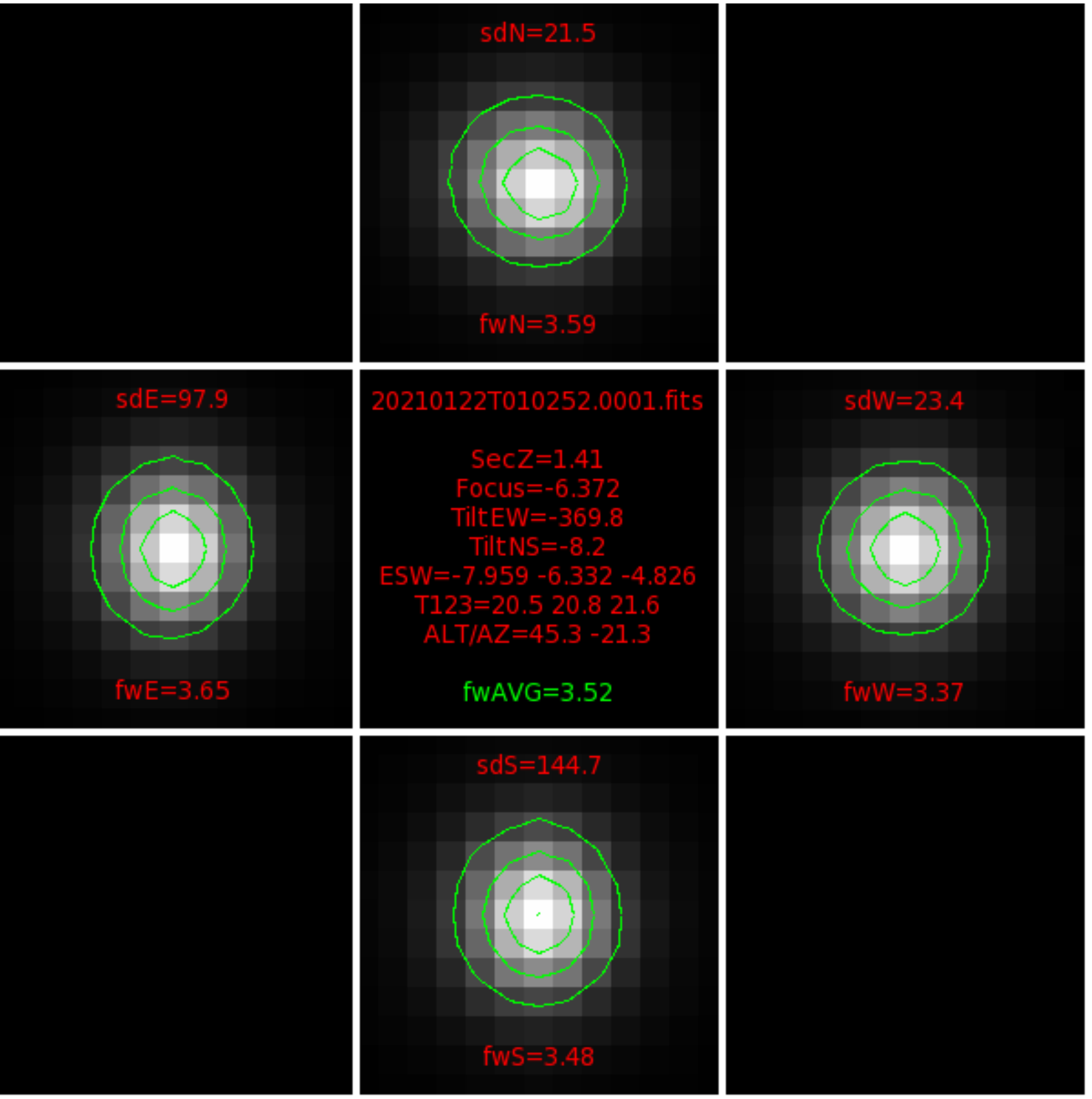
sdN=21.5
fwN=3.59
sdE=97.9
fwE=3.65
20210122T010252.0001.fits
SecZ=1.41
Focus=-6.372
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.959 -6.332 -4.826
T123=20.5 20.8 21.6
ALT/AZ=45.3 -21.3
fwAVG=3.52
sdW=23.4
fwW=3.37
sdS=144.7
fwS=3.48
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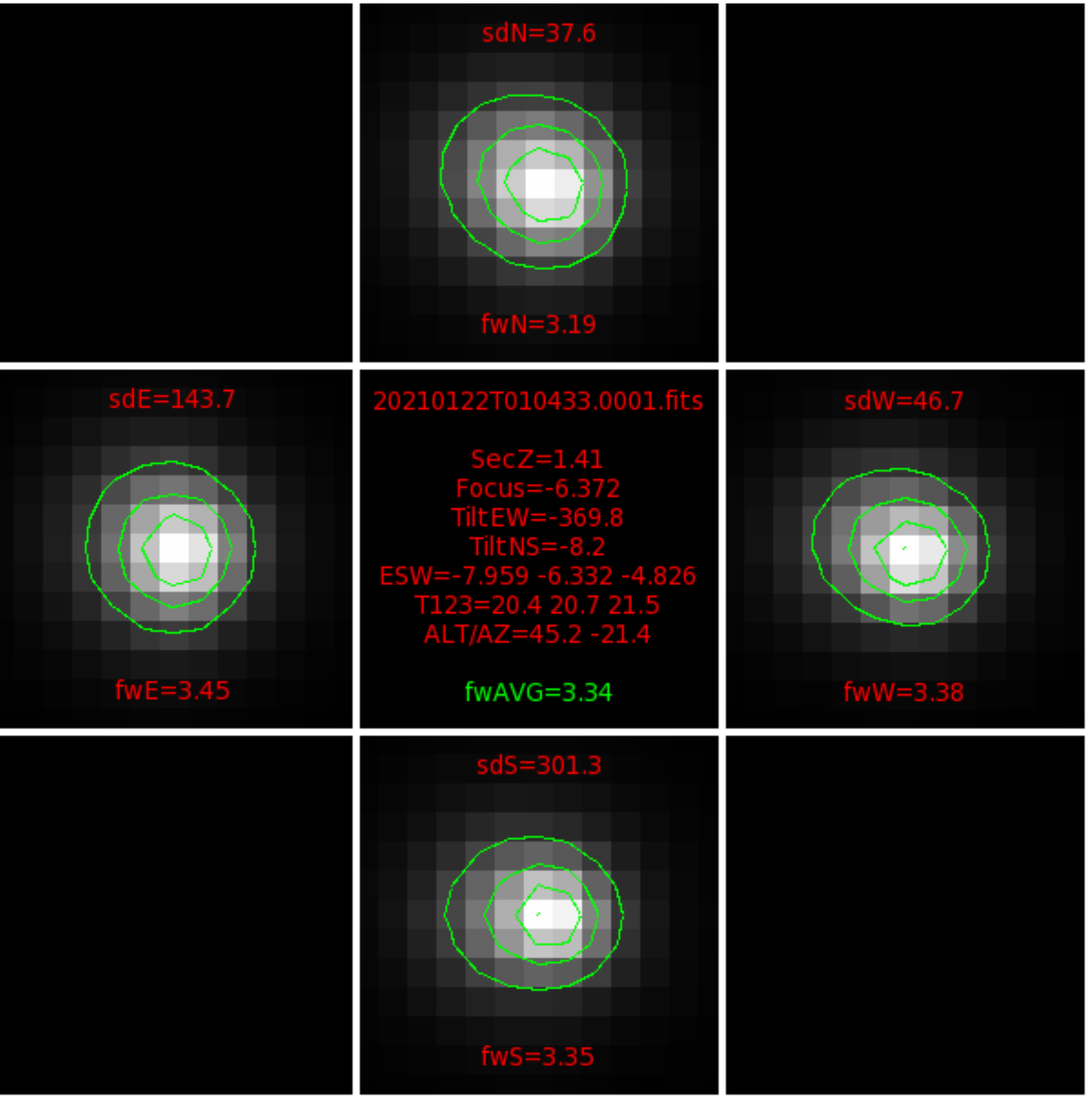
sdN=37.6
fwN=3.19
sdE=143.7
fwE=3.45
20210122T010433.0001.fits
SecZ=1.41
Focus=-6.372
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.959 -6.332 -4.826
T123=20.4 20.7 21.5
ALT/AZ=45.2 -21.4
fwAVG=3.34
sdW=46.7
fwW=3.38
sdS=301.3
fwS=3.35
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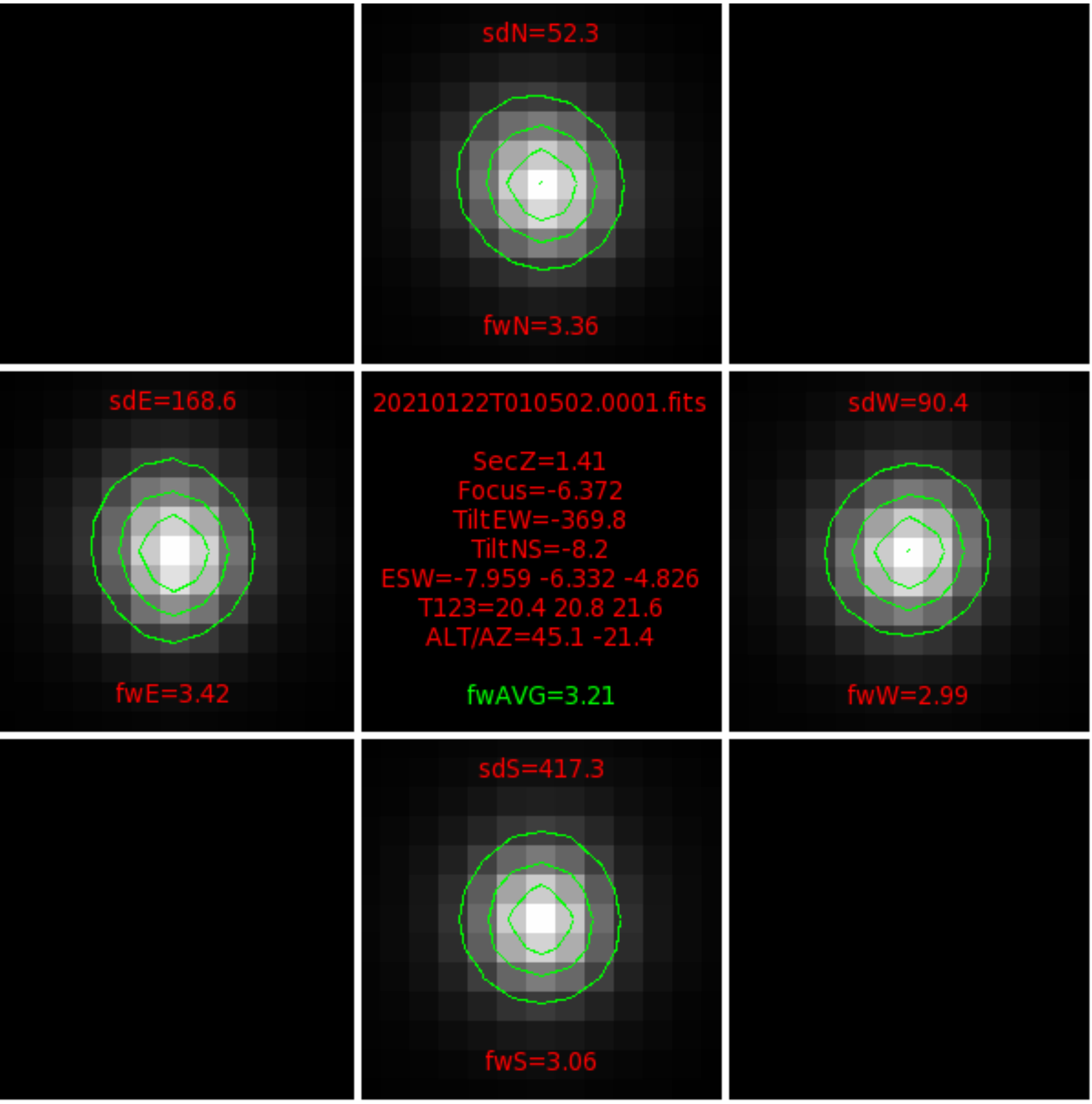
sdN=52.3
fwN=3.36
sdE=168.6
fwE=3.42
20210122T010502.0001.fits
SecZ=1.41
Focus=-6.372
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.959 -6.332 -4.826
T123=20.4 20.8 21.6
ALT/AZ=45.1 -21.4
fwAVG=3.21
sdW=90.4
fwW=2.99
sdS=417.3
fwS=3.06
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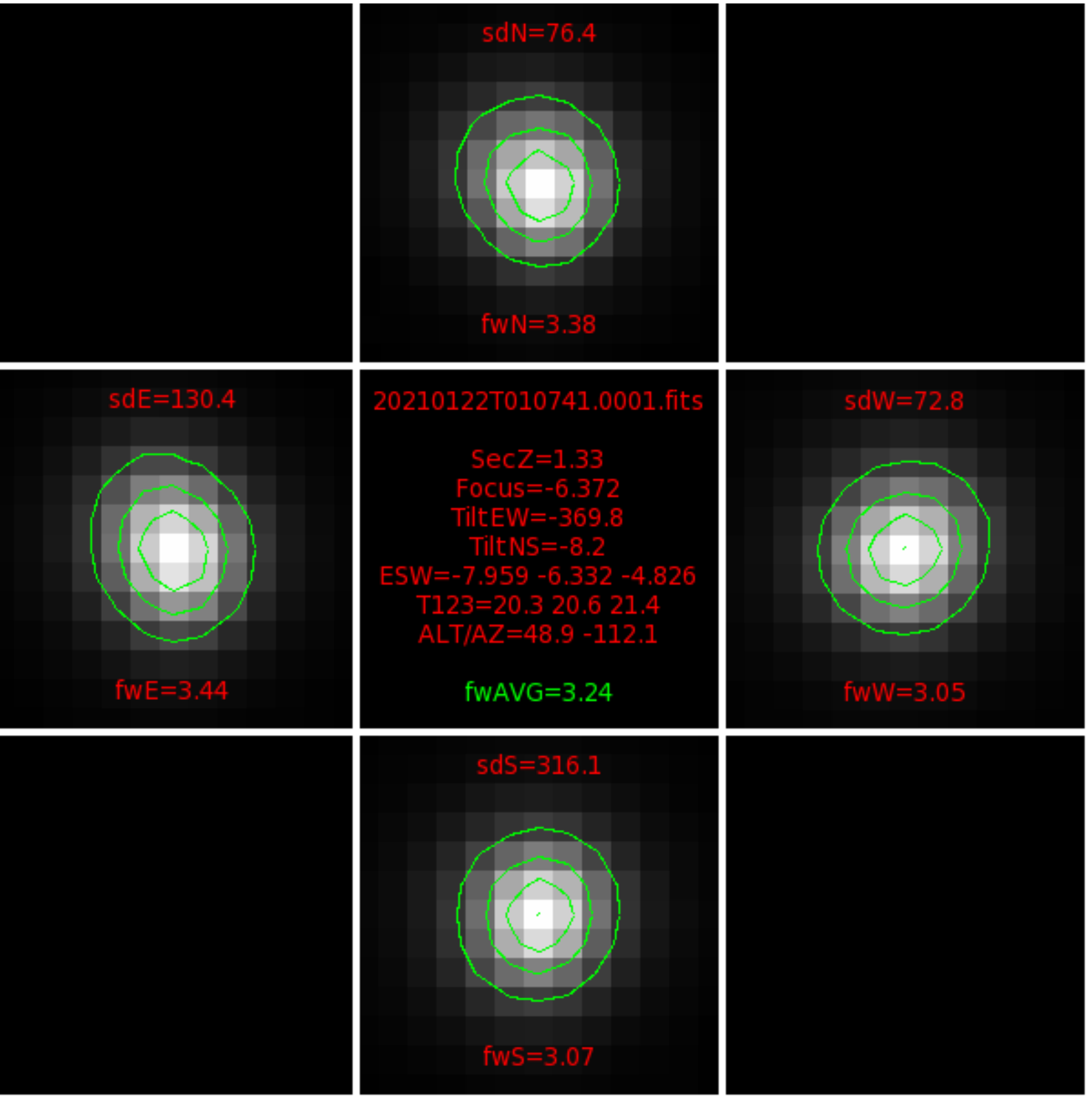
sdN=76.4
fwN=3.38
sdE=130.4
fwE=3.44
20210122T010741.0001.fits
SecZ=1.33
Focus=-6.372
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.959 -6.332 -4.826
T123=20.3 20.6 21.4
ALT/AZ=48.9 -112.1
fwAVG=3.24
sdW=72.8
fwW=3.05
sdS=316.1
fwS=3.07
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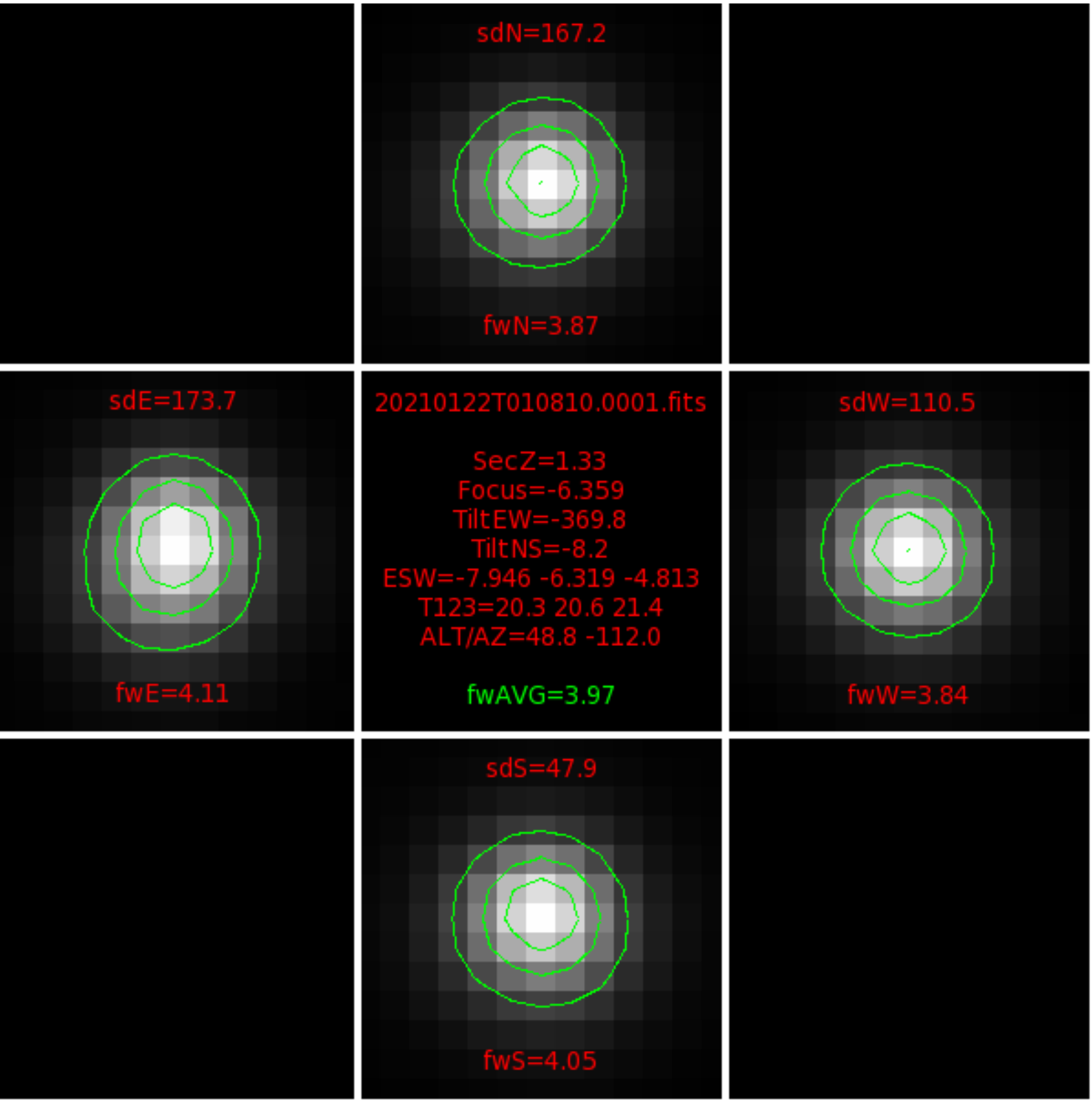
sdN=167.2
fwN=3.87
sdE=173.7
fwE=4.11
20210122T010810.0001.fits
SecZ=1.33
Focus=-6.359
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.946 -6.319 -4.813
T123=20.3 20.6 21.4
ALT/AZ=48.8 -112.0
fwAVG=3.97
sdW=110.5
fwW=3.84
sdS=47.9
fwS=4.05
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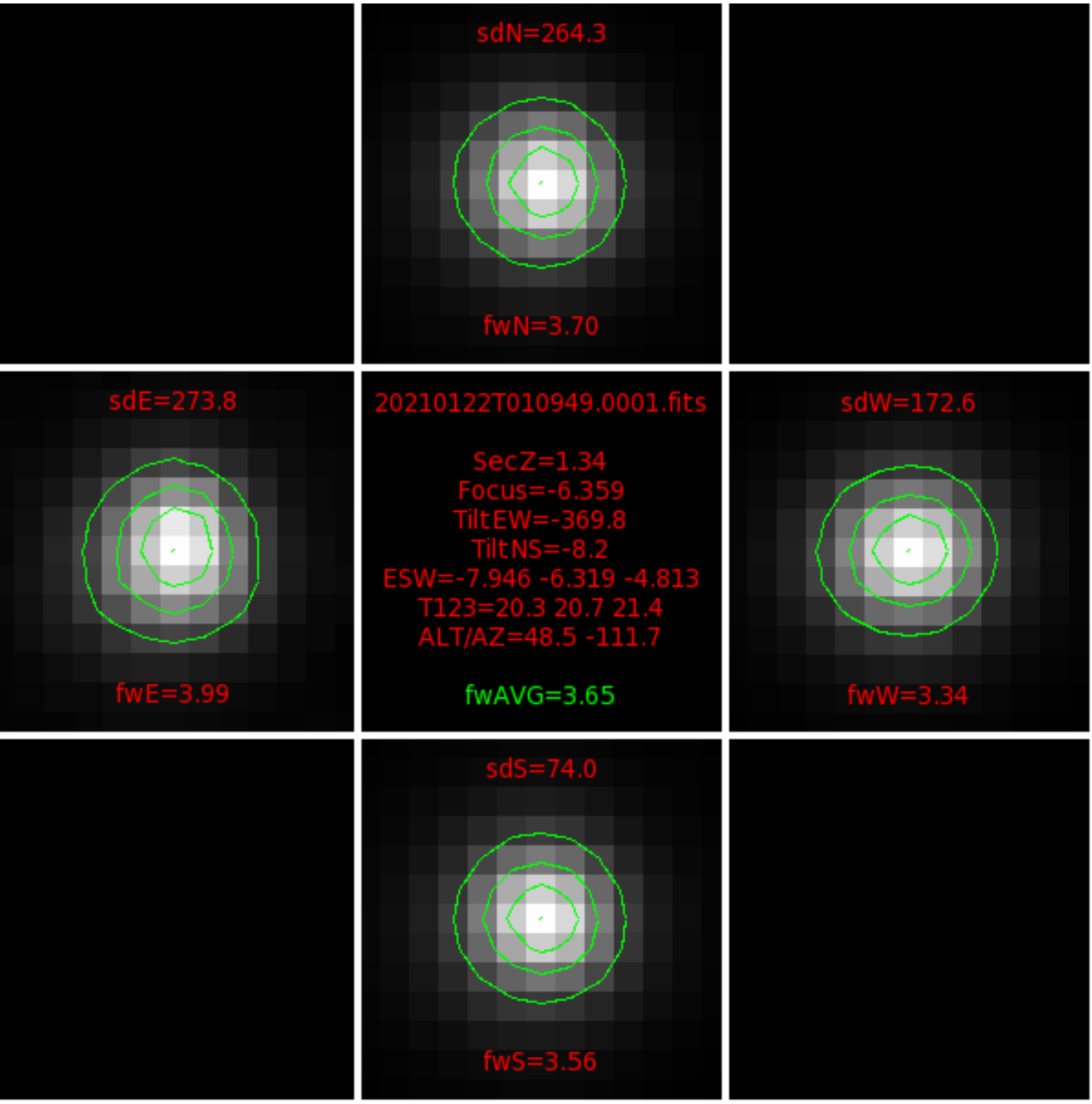
sdN=264.3
fwN=3.70
sdE=273.8
fwE=3.99
20210122T010949.0001.fits
SecZ=1.34
Focus=-6.359
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.946 -6.319 -4.813
T123=20.3 20.7 21.4
ALT/AZ=48.5 -111.7
fwAVG=3.65
sdW=172.6
fwW=3.34
sdS=74.0
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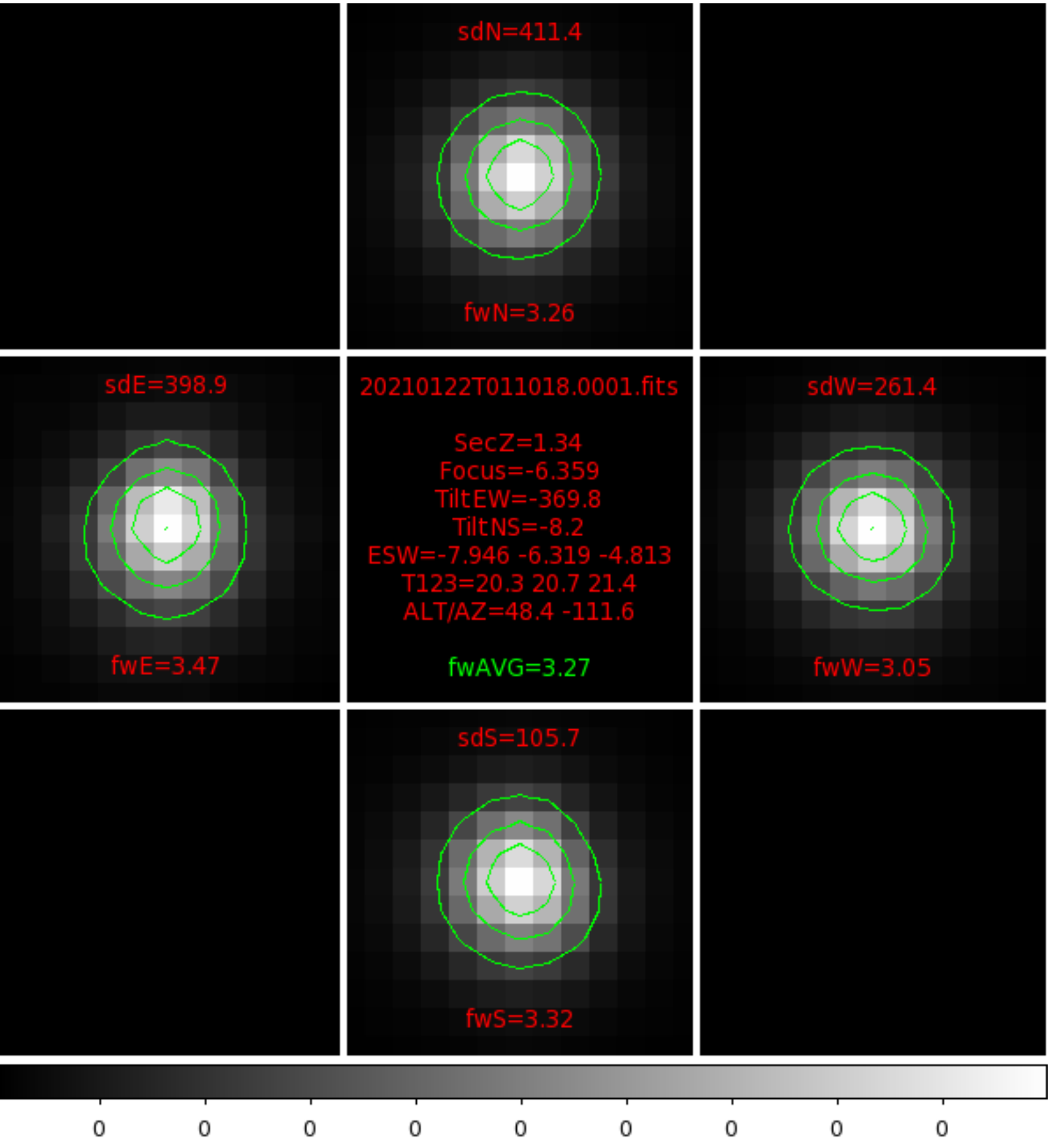
sdN=411.4
fwN=3.26
sdE=398.9
fwE=3.47
20210122T011018.0001.fits
SecZ=1.34
Focus=-6.359
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.946 -6.319 -4.813
T123=20.3 20.7 21.4
ALT/AZ=48.4 -111.6
fwAVG=3.27
sdW=261.4
fwW=3.05
sdS=105.7
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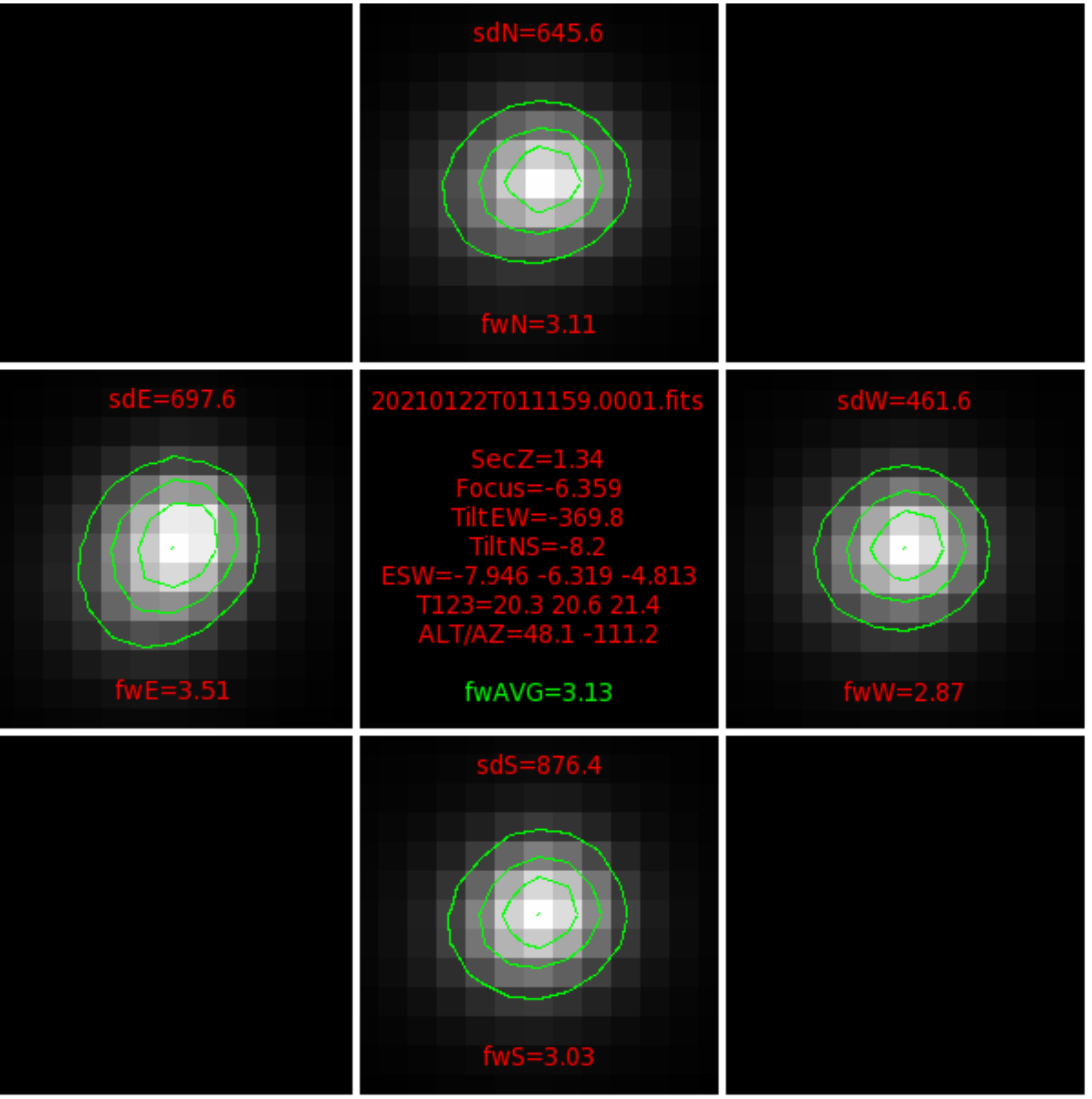
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fwN=3.11
sdE=697.6
fwE=3.51
20210122T011159.0001.fits
SecZ=1.34
Focus=-6.359
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.946 -6.319 -4.813
T123=20.3 20.6 21.4
ALT/AZ=48.1 -111.2
fwAVG=3.13
sdW=461.6
fwW=2.87
sdS=876.4
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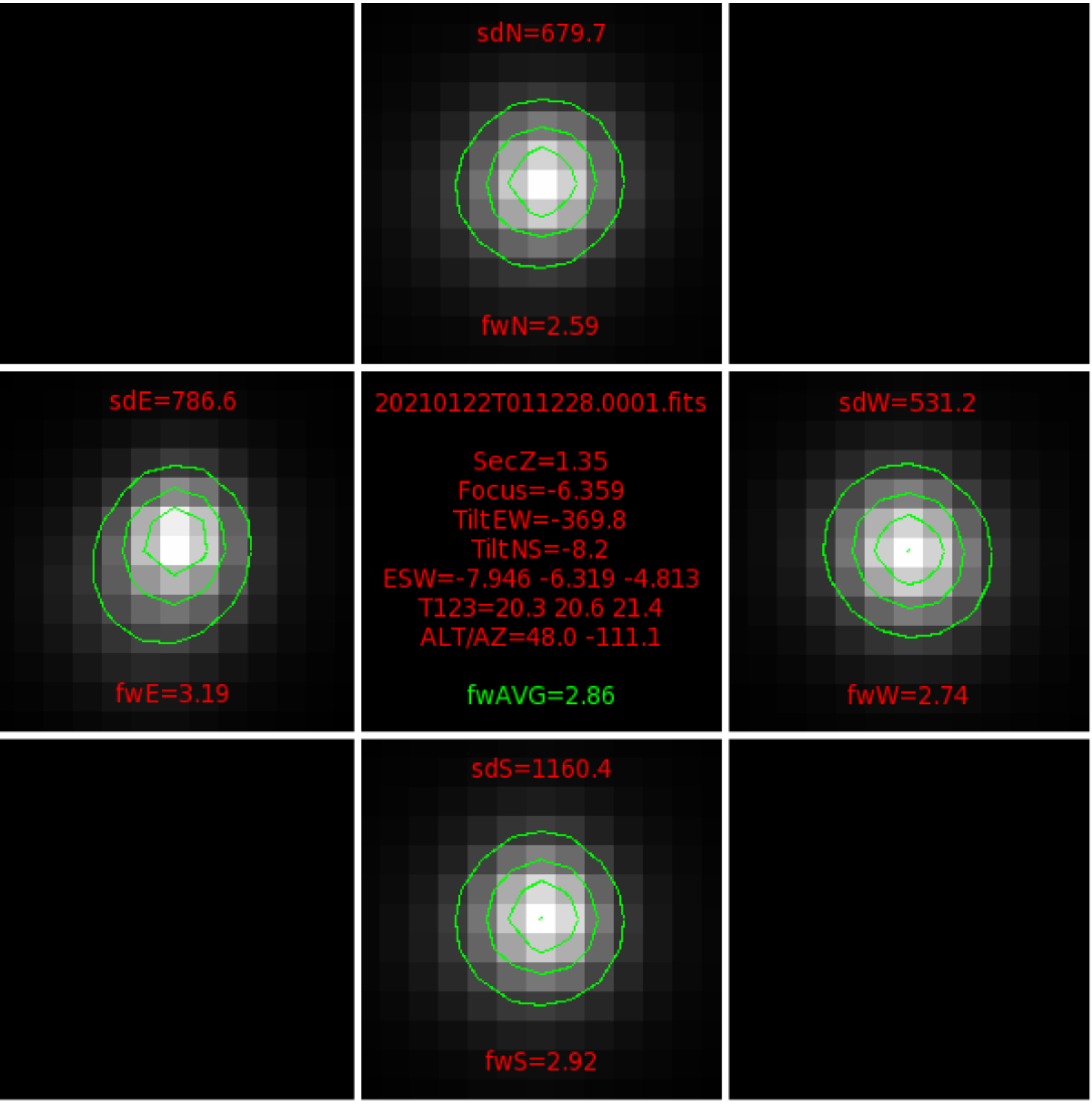
sdN=679.7
fwN=2.59
sdE=786.6
fwE=3.19
20210122T011228.0001.fits
SecZ=1.35
Focus=-6.359
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.946 -6.319 -4.813
T123=20.3 20.6 21.4
ALT/AZ=48.0 -111.1
fwAVG=2.86
sdW=531.2
fwW=2.74
sdS=1160.4
fwS=2.92
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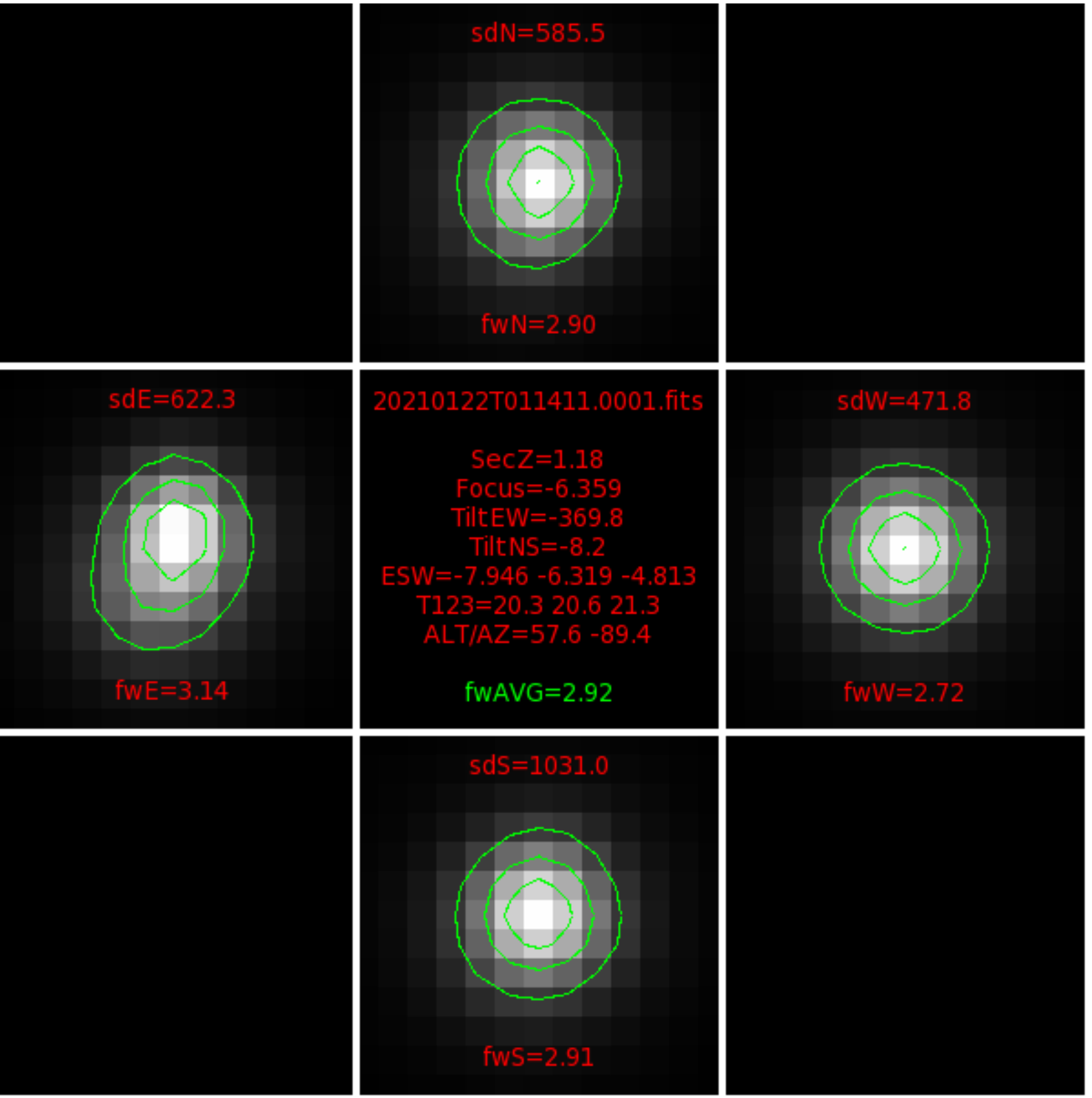
sdN=585.5
fwN=2.90
sdE=622.3
fwE=3.14
20210122T011411.0001.fits
SecZ=1.18
Focus=-6.359
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.946 -6.319 -4.813
T123=20.3 20.6 21.3
ALT/AZ=57.6 -89.4
fwAVG=2.92
sdW=471.8
fwW=2.72
sdS=1031.0
fwS=2.91
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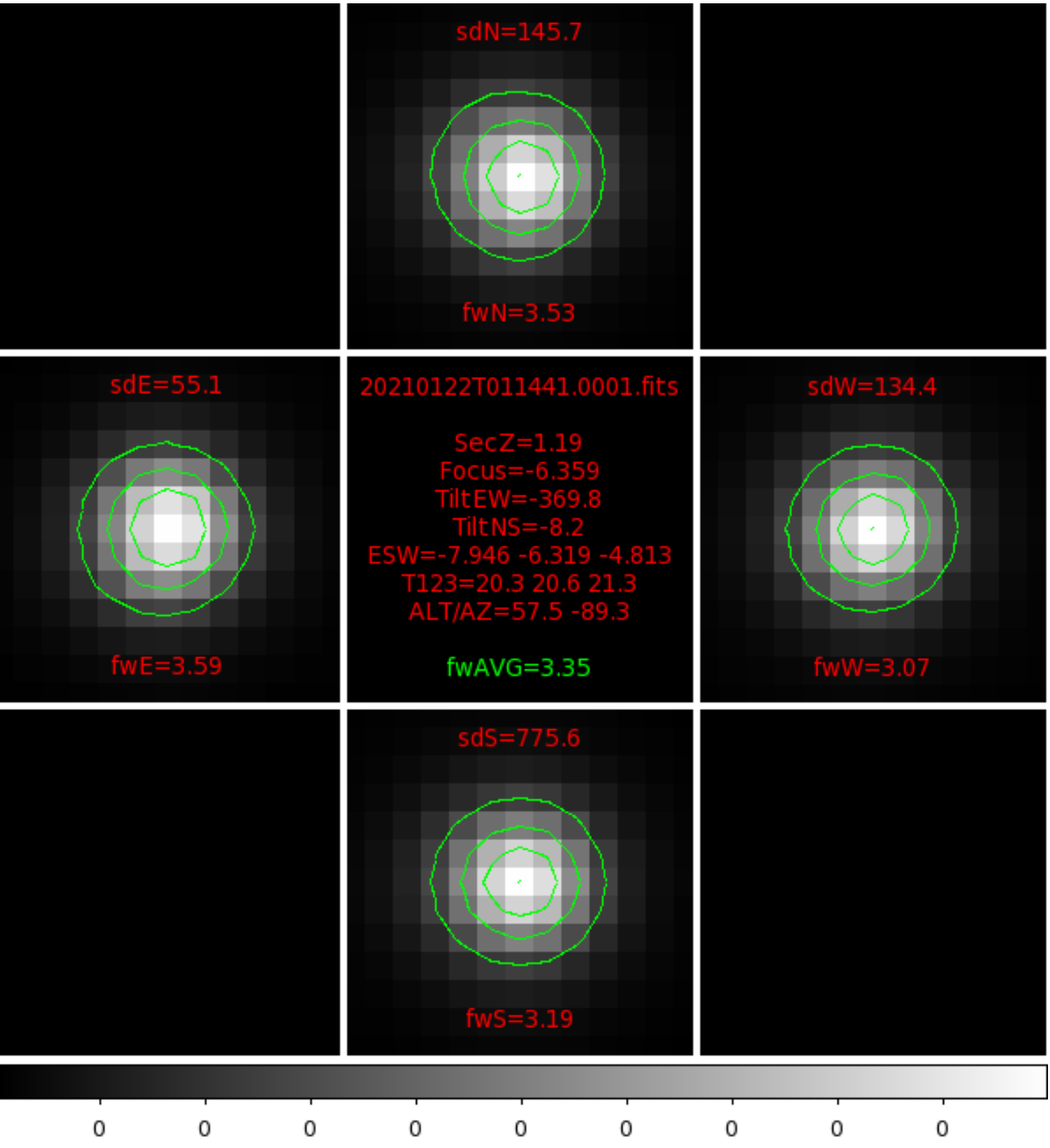
sdN=145.7
fwN=3.53
sdE=55.1
fwE=3.59
20210122T011441.0001.fits
SecZ=1.19
Focus=-6.359
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.946 -6.319 -4.813
T123=20.3 20.6 21.3
ALT/AZ=57.5 -89.3
fwAVG=3.35
sdW=134.4
fwW=3.07
sdS=775.6
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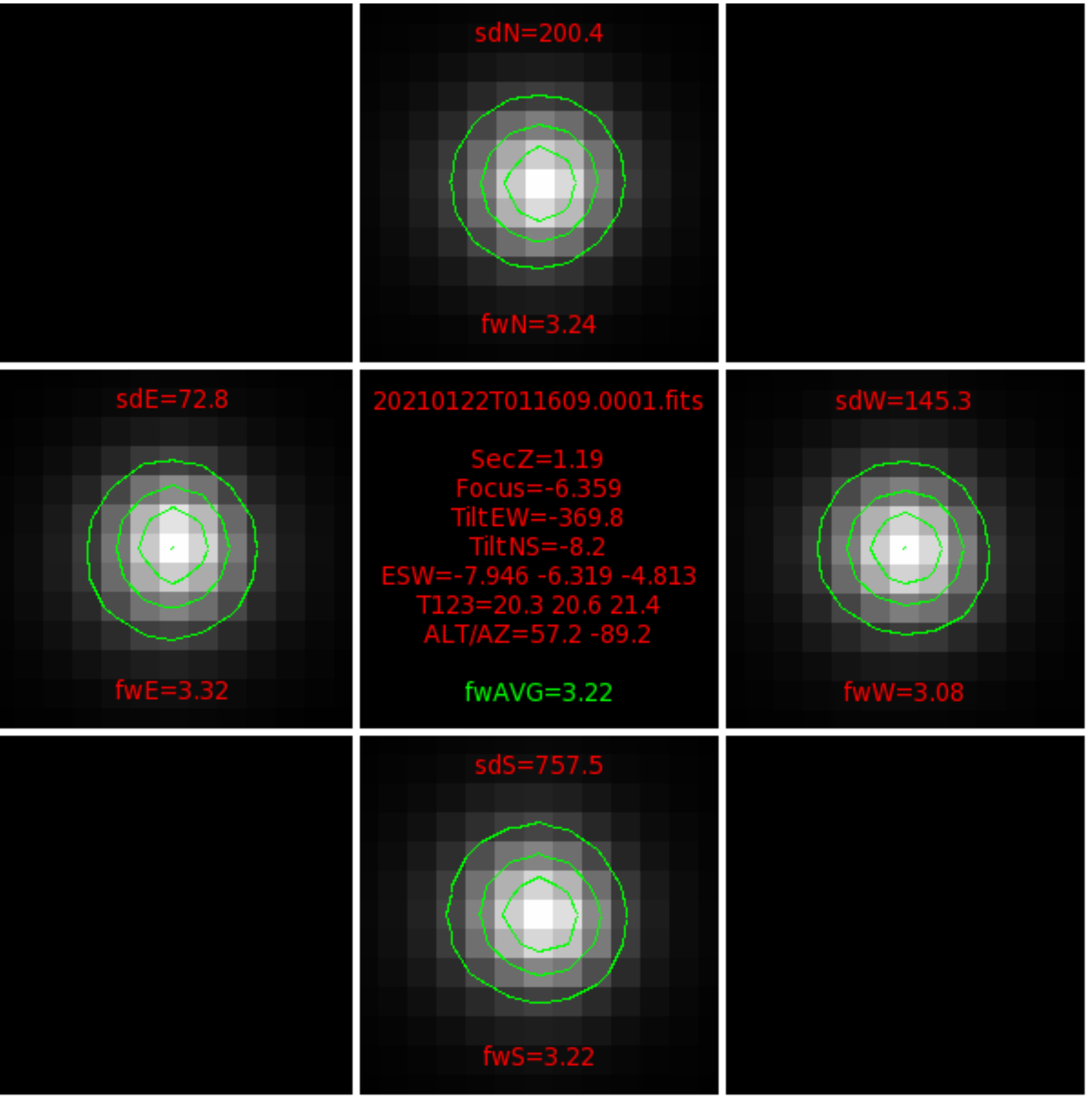
sdN=200.4
fwN=3.24
sdE=72.8
fwE=3.32
20210122T011609.0001.fits
SecZ=1.19
Focus=-6.359
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.946 -6.319 -4.813
T123=20.3 20.6 21.4
ALT/AZ=57.2 -89.2
fwAVG=3.22
sdW=145.3
fwW=3.08
sdS=757.5
fwS=3.22
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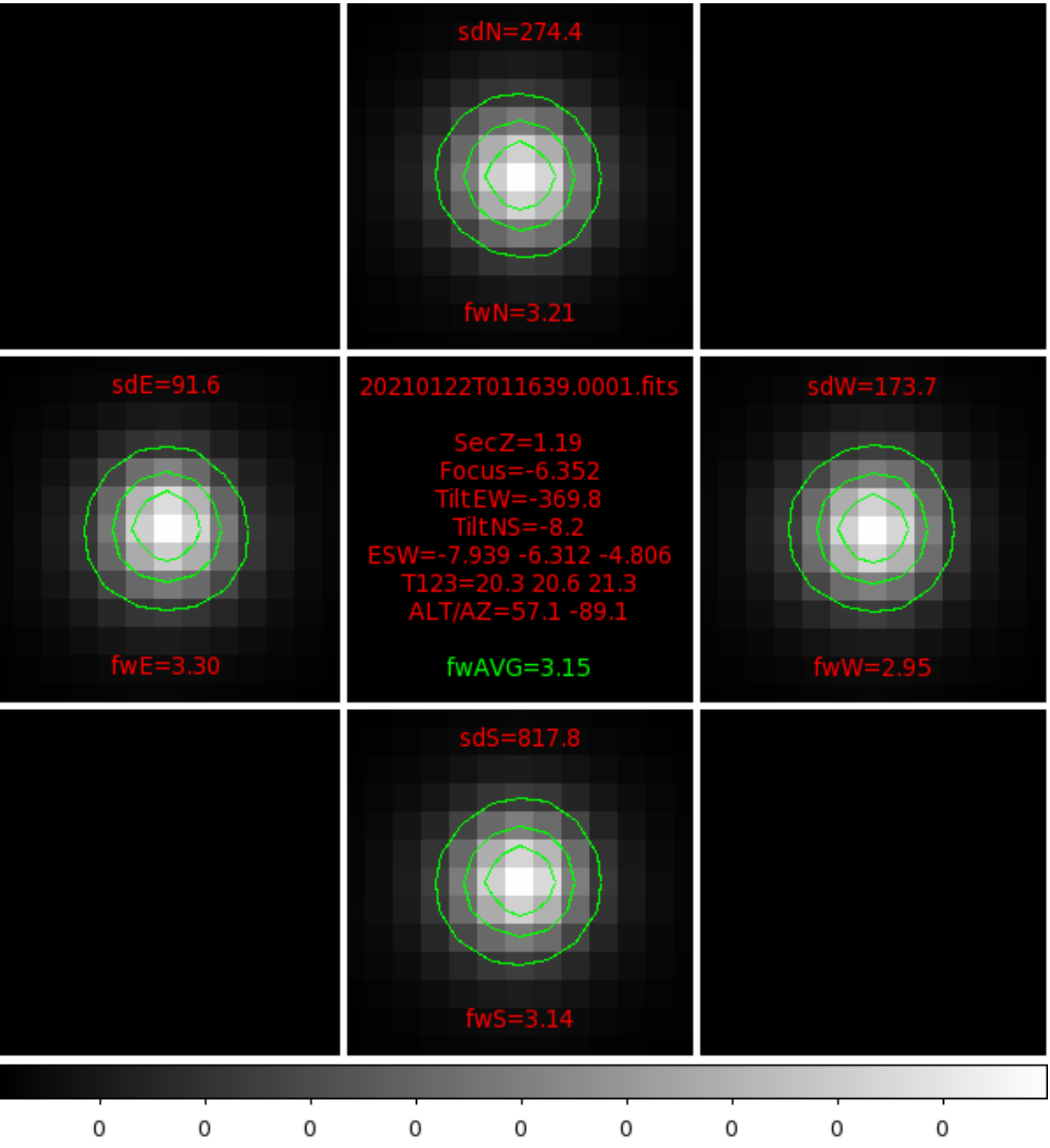
sdN=274.4
fwN=3.21
sdE=91.6
fwE=3.30
20210122T011639.0001.fits
SecZ=1.19
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.3 20.6 21.3
ALT/AZ=57.1 -89.1
fwAVG=3.15
sdW=173.7
fwW=2.95
sdS=817.8
fwS=3.14
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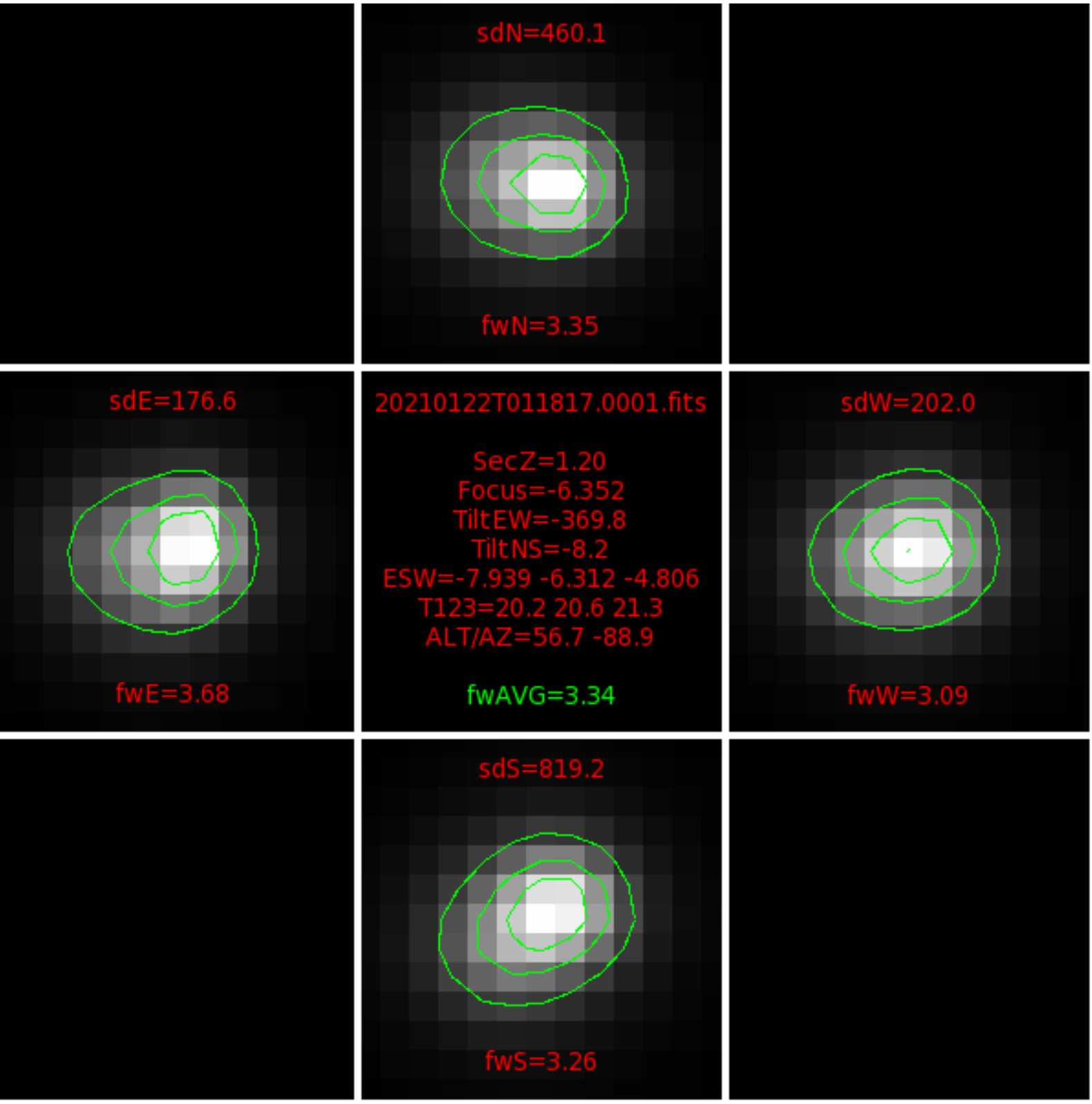
sdN=460.1
fwN=3.35
sdE=176.6
fwE=3.68
20210122T011817.0001.fits
SecZ=1.20
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.2 20.6 21.3
ALT/AZ=56.7 -88.9
fwAVG=3.34
sdW=202.0
fwW=3.09
sdS=819.2
fwS=3.26
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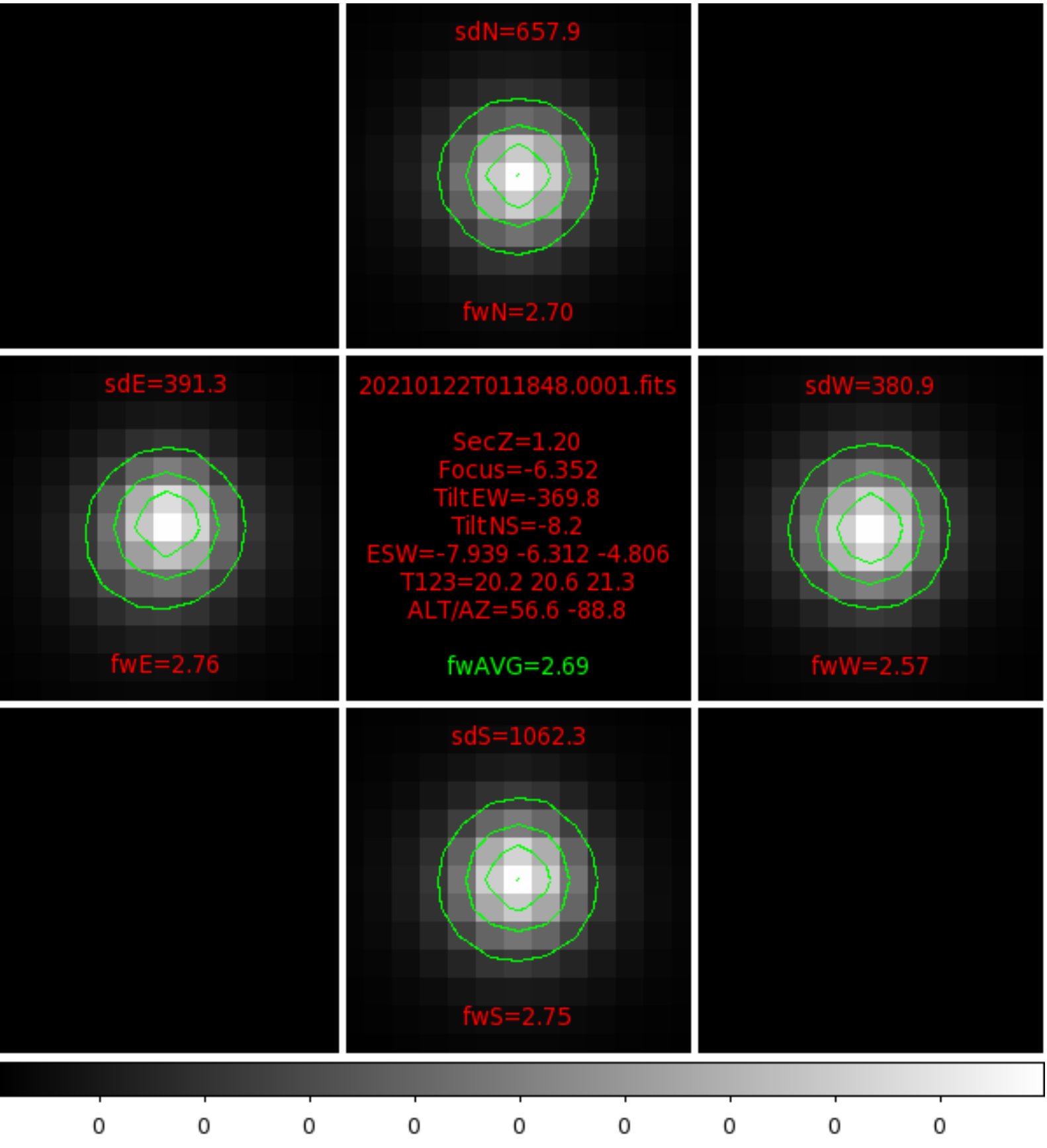
sdN=657.9
fwN=2.70
sdE=391.3
fwE=2.76
20210122T011848.0001.fits
SecZ=1.20
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.2 20.6 21.3
ALT/AZ=56.6 -88.8
fwAVG=2.69
sdW=380.9
fwW=2.57
sdS=1062.3
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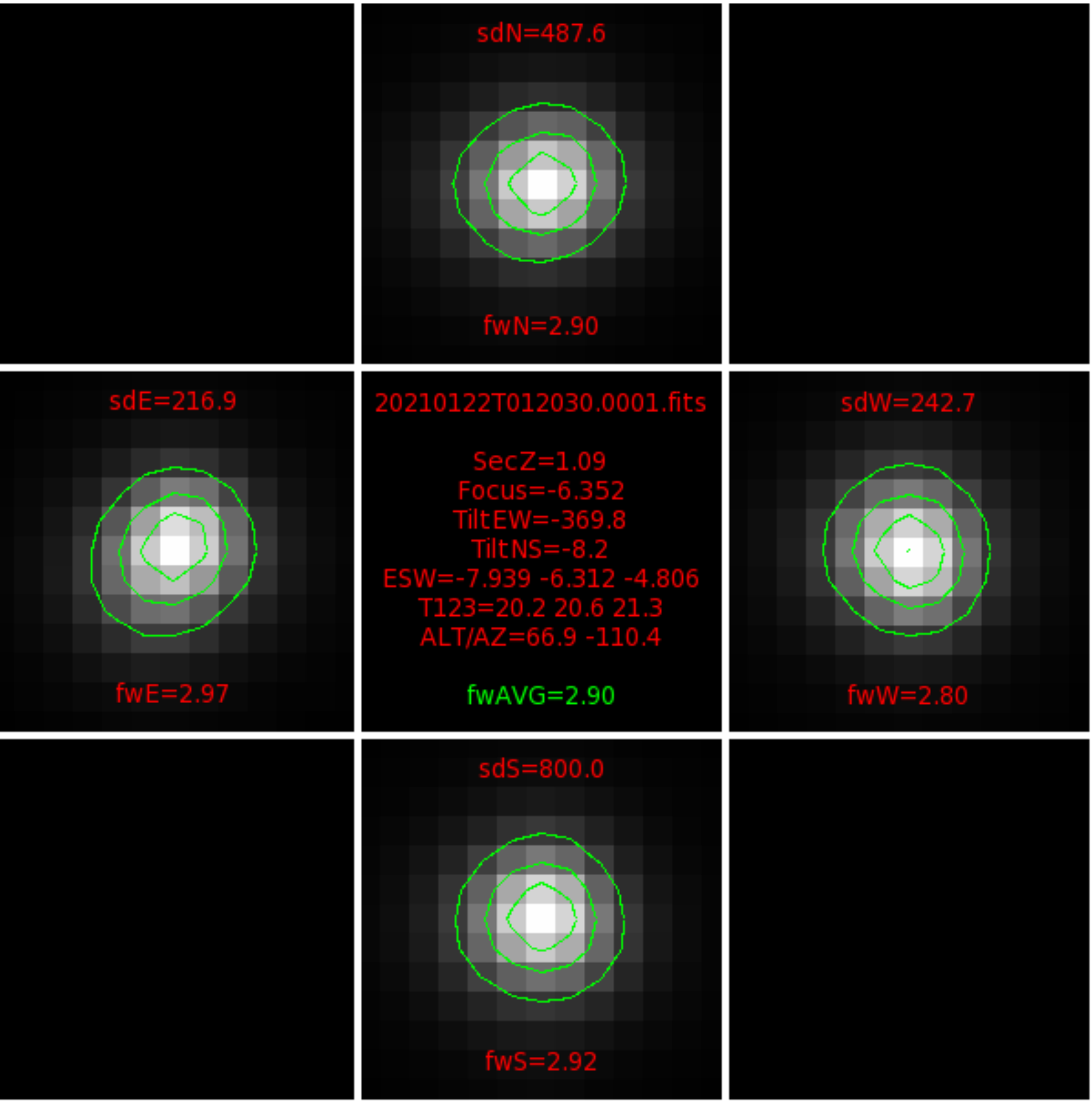
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fwN=2.90
sdE=216.9
fwE=2.97
20210122T012030.0001.fits
SecZ=1.09
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.2 20.6 21.3
ALT/AZ=66.9 -110.4
fwAVG=2.90
sdW=242.7
fwW=2.80
sdS=800.0
fwS=2.92
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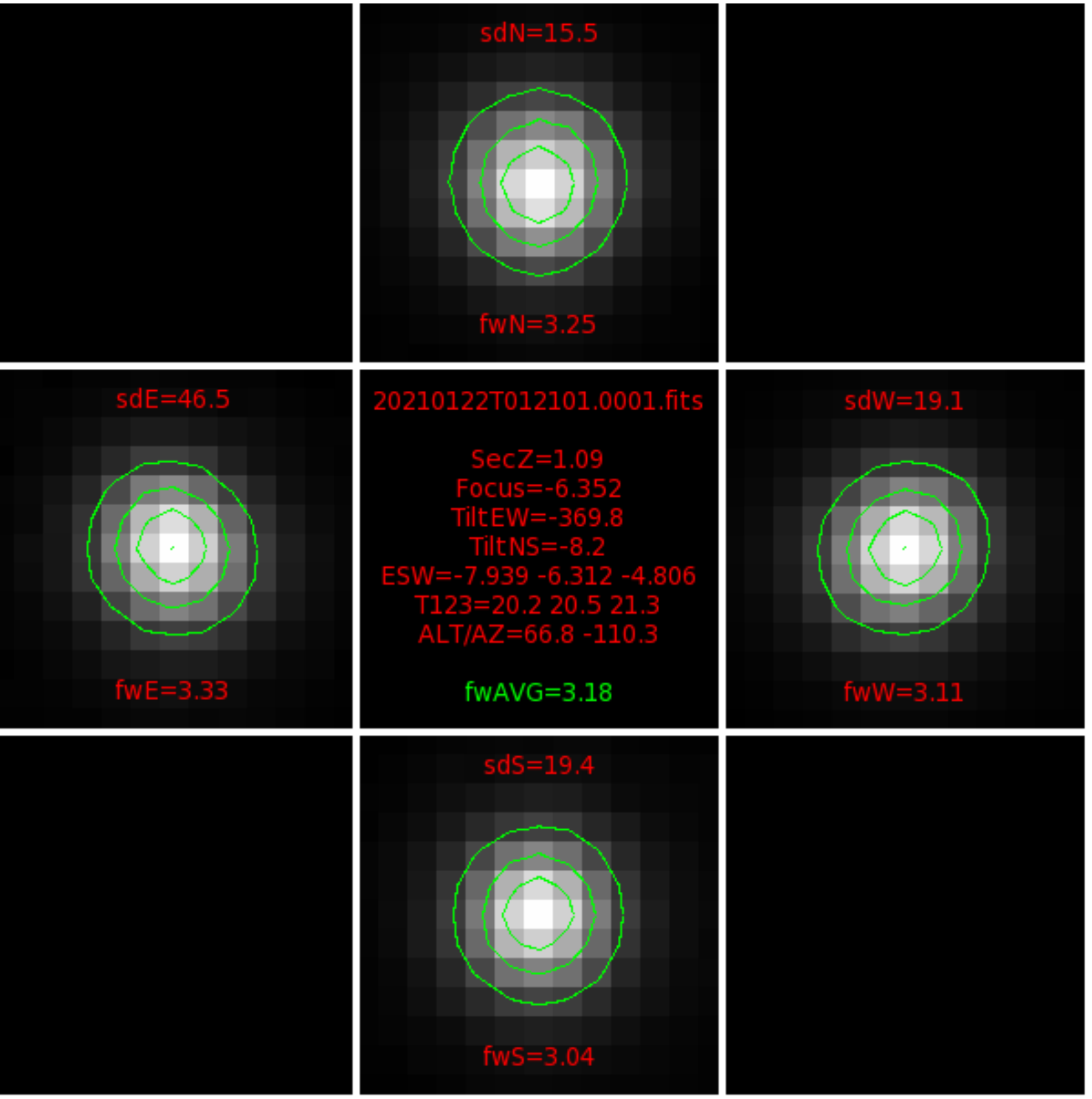
sdN=15.5
fwN=3.25
sdE=46.5
fwE=3.33
20210122T012101.0001.fits
SecZ=1.09
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.2 20.5 21.3
ALT/AZ=66.8 -110.3
fwAVG=3.18
sdW=19.1
fwW=3.11
sdS=19.4
fwS=3.04
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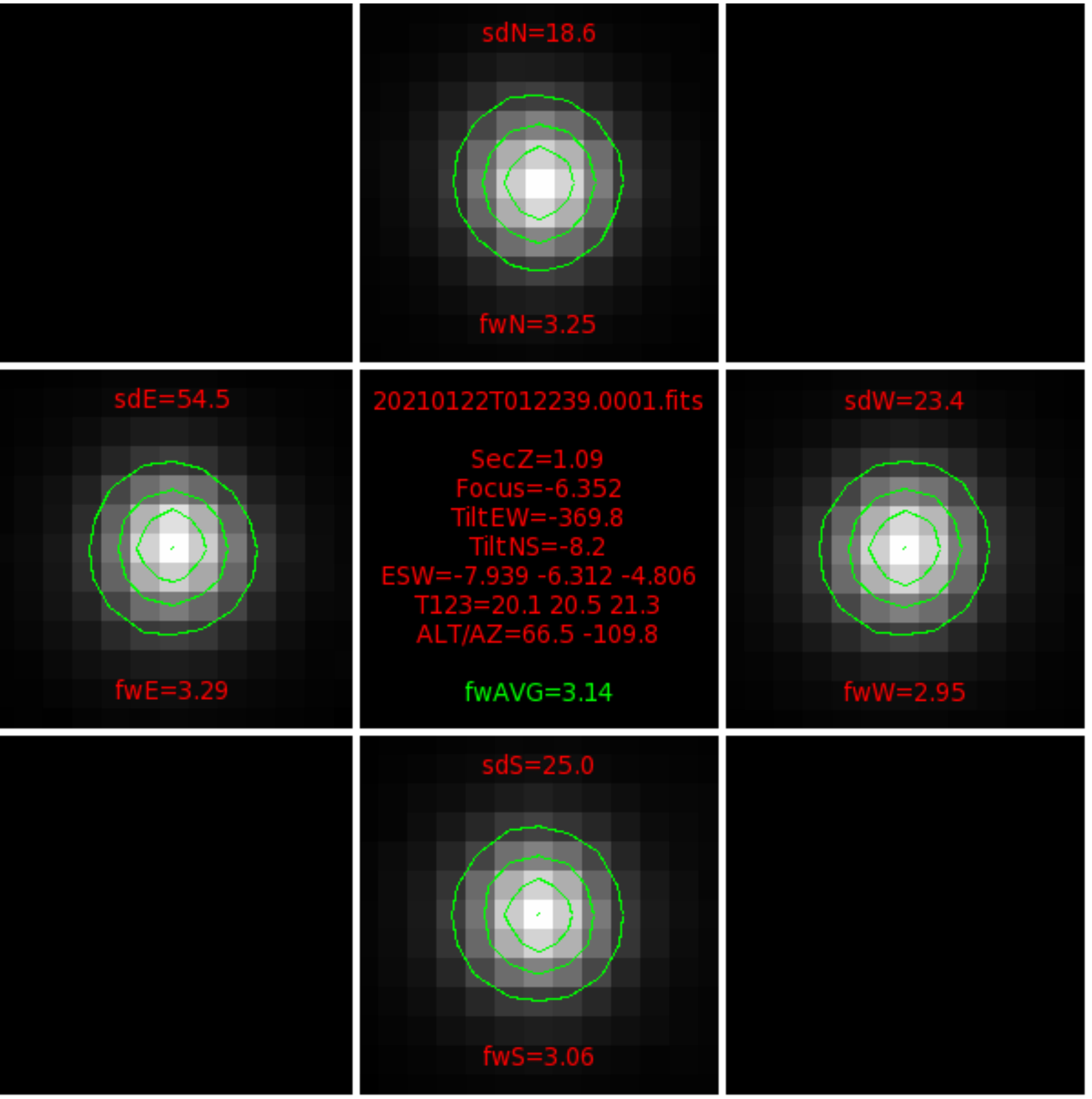
sdN=18.6
fwN=3.25
sdE=54.5
fwE=3.29
20210122T012239.0001.fits
SecZ=1.09
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.1 20.5 21.3
ALT/AZ=66.5 -109.8
fwAVG=3.14
sdW=23.4
fwW=2.95
sdS=25.0
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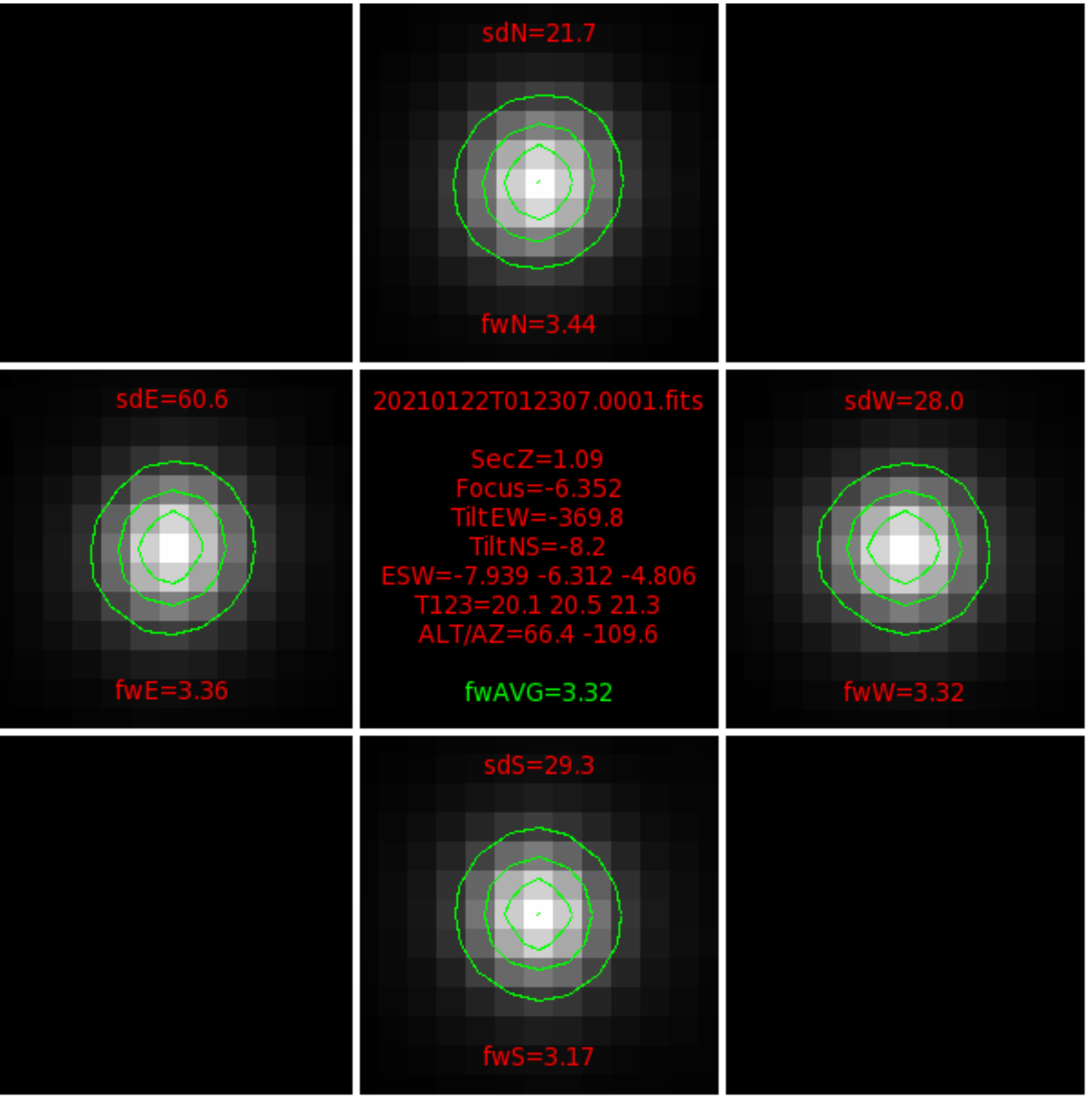
sdN=21.7
fwN=3.44
sdE=60.6
fwE=3.36
20210122T012307.0001.fits
SecZ=1.09
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.1 20.5 21.3
ALT/AZ=66.4 -109.6
fwAVG=3.32
sdW=28.0
fwW=3.32
sdS=29.3
fwS=3.17
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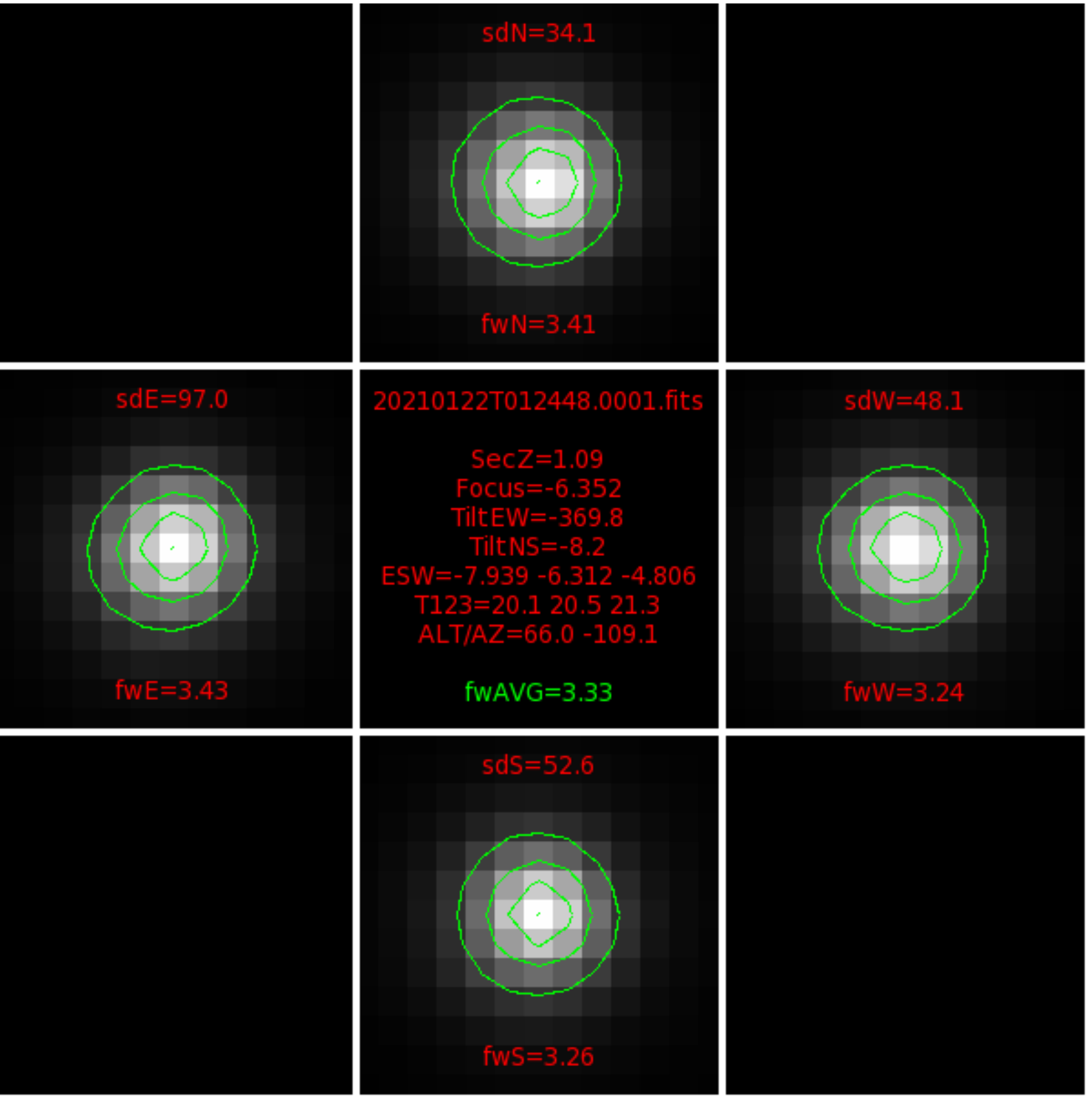
sdN=34.1
fwN=3.41
sdE=97.0
fwE=3.43
20210122T012448.0001.fits
SecZ=1.09
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.1 20.5 21.3
ALT/AZ=66.0 -109.1
fwAVG=3.33
sdW=48.1
fwW=3.24
sdS=52.6
fwS=3.26
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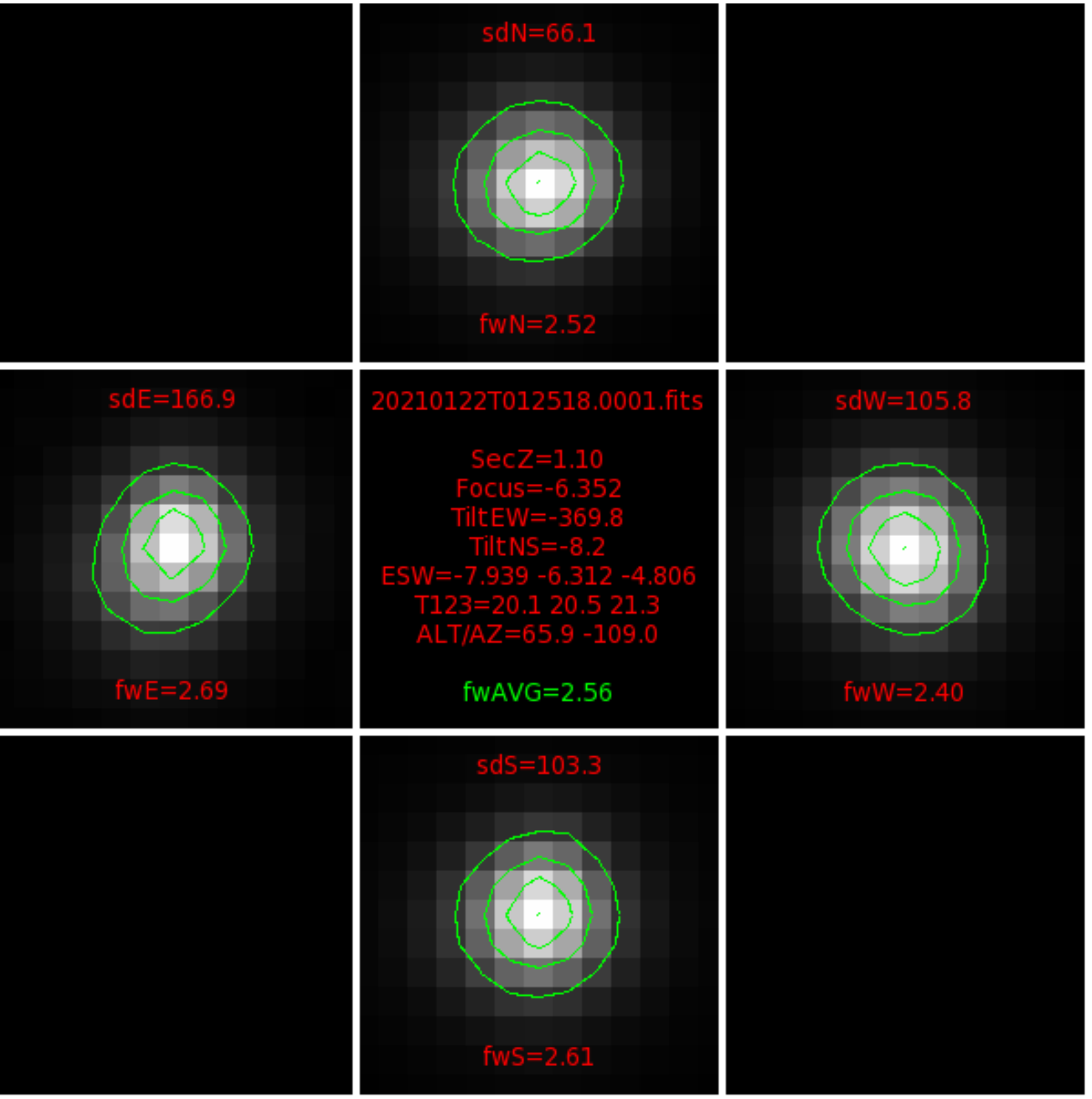
sdN=66.1
fwN=2.52
sdE=166.9
fwE=2.69
20210122T012518.0001.fits
SecZ=1.10
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.1 20.5 21.3
ALT/AZ=65.9 -109.0
fwAVG=2.56
sdW=105.8
fwW=2.40
sdS=103.3
fwS=2.61
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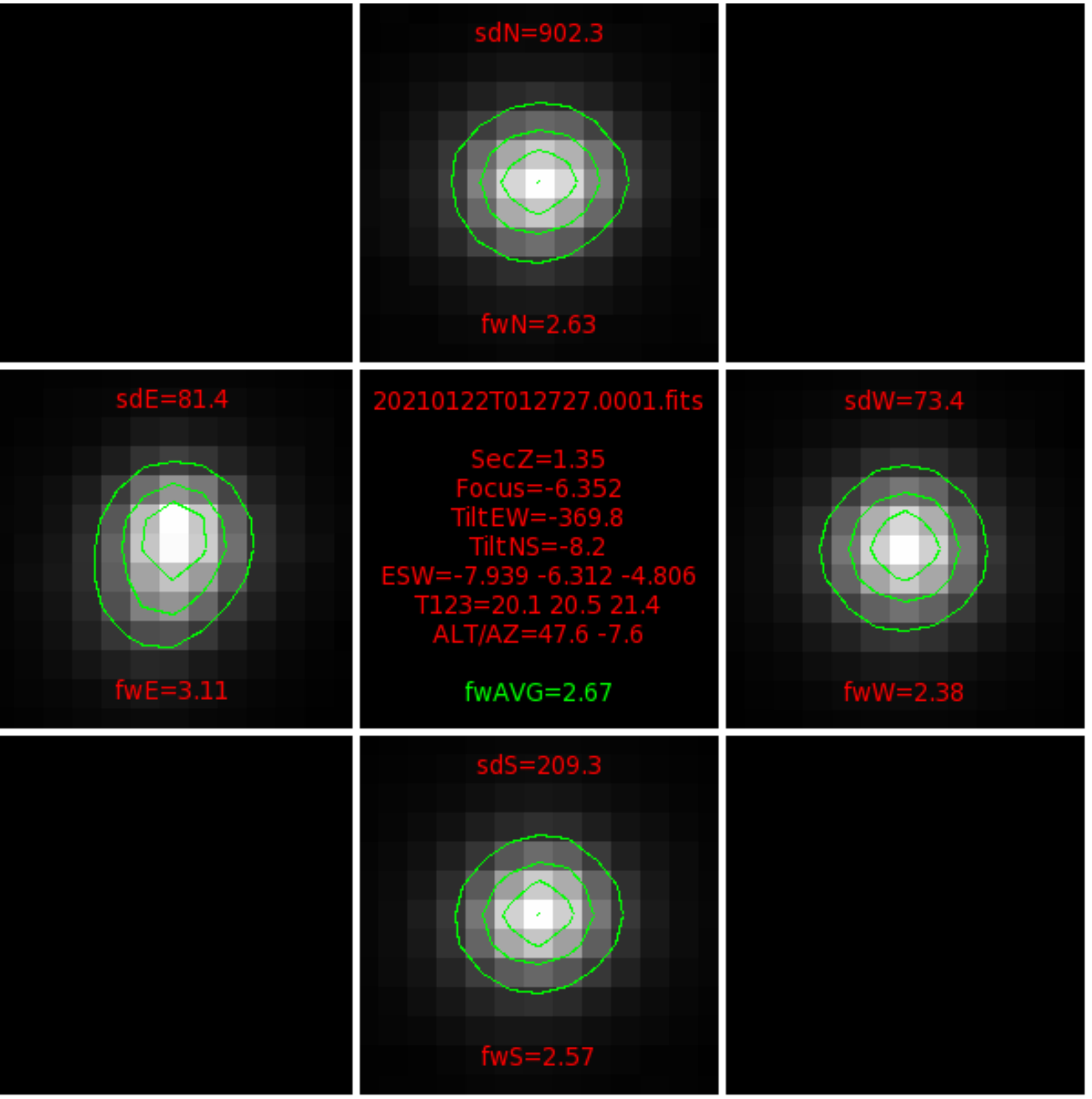
sdN=902.3
fwN=2.63
sdE=81.4
fwE=3.11
20210122T012727.0001.fits
SecZ=1.35
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.1 20.5 21.4
ALT/AZ=47.6 -7.6
fwAVG=2.67
sdW=73.4
fwW=2.38
sdS=209.3
fwS=2.57
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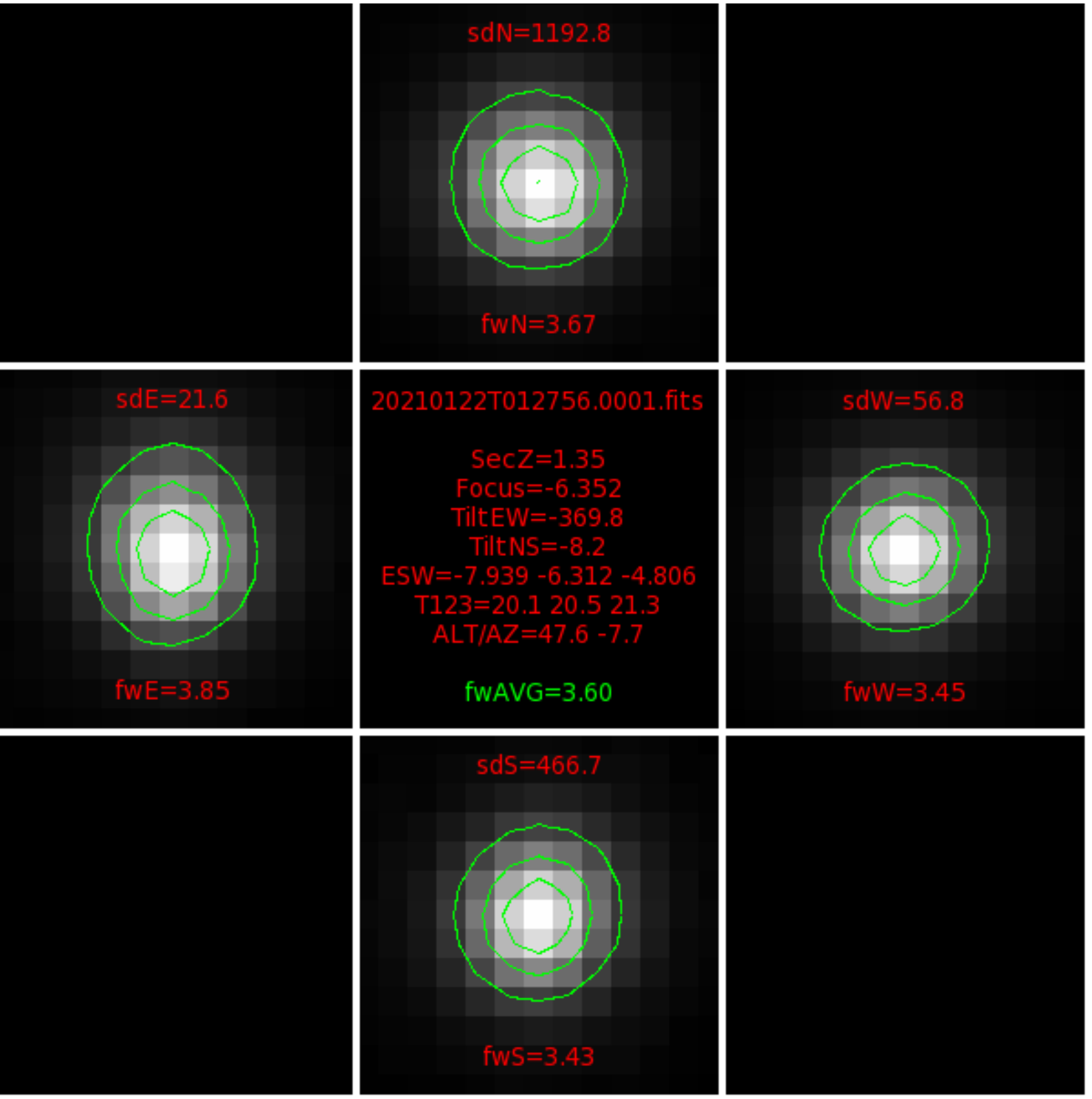
sdN=1192.8
fwN=3.67
sdE=21.6
fwE=3.85
20210122T012756.0001.fits
SecZ=1.35
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.1 20.5 21.3
ALT/AZ=47.6 -7.7
fwAVG=3.60
sdW=56.8
fwW=3.45
sdS=466.7
fwS=3.43
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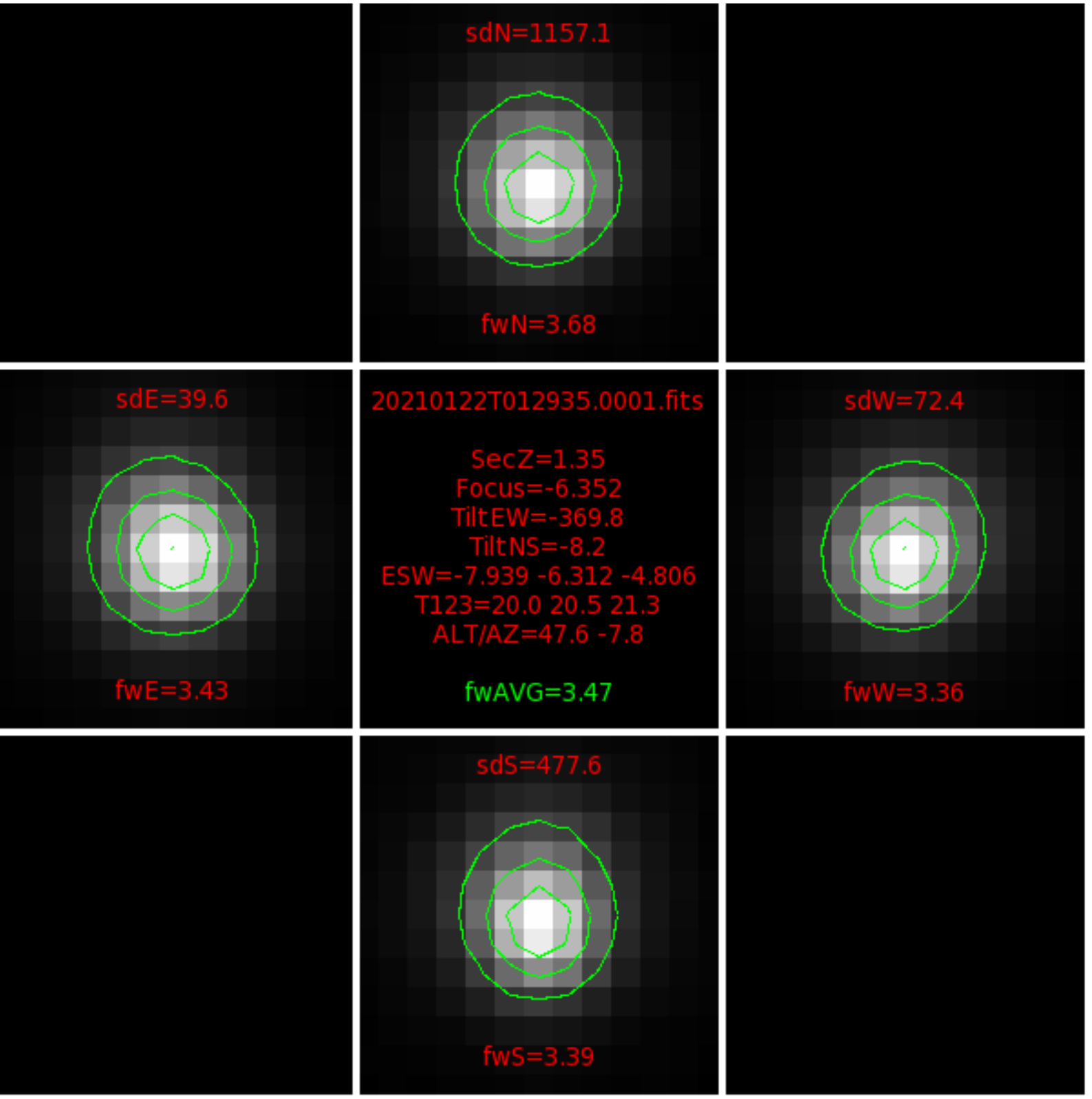
sdN=1157.1
fwN=3.68
sdE=39.6
fwE=3.43
20210122T012935.0001.fits
SecZ=1.35
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.0 20.5 21.3
ALT/AZ=47.6 -7.8
fwAVG=3.47
sdW=72.4
fwW=3.36
sdS=477.6
fwS=3.39
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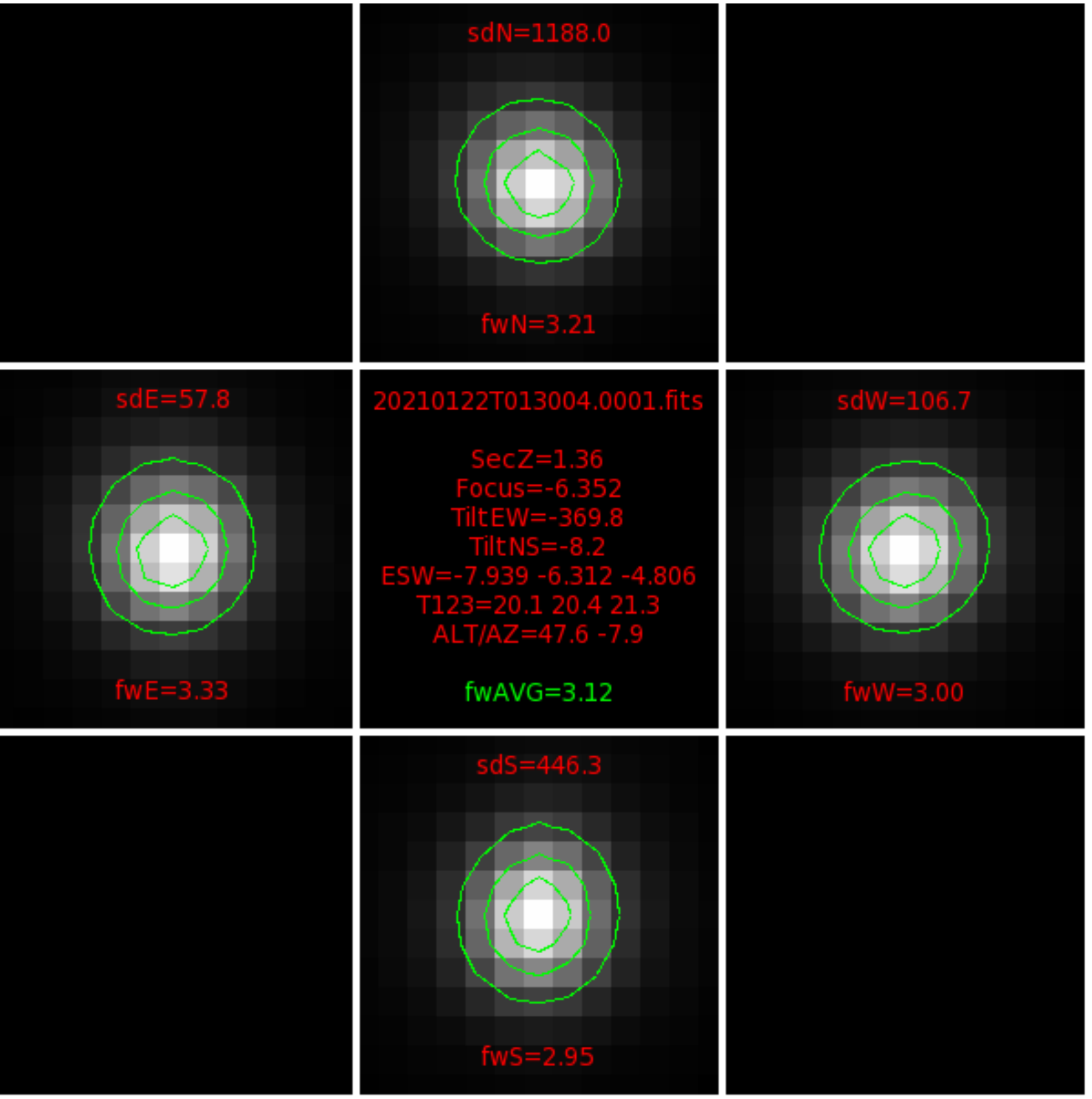
sdN=1188.0
fwN=3.21
sdE=57.8
fwE=3.33
20210122T013004.0001.fits
SecZ=1.36
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.1 20.4 21.3
ALT/AZ=47.6 -7.9
fwAVG=3.12
sdW=106.7
fwW=3.00
sdS=446.3
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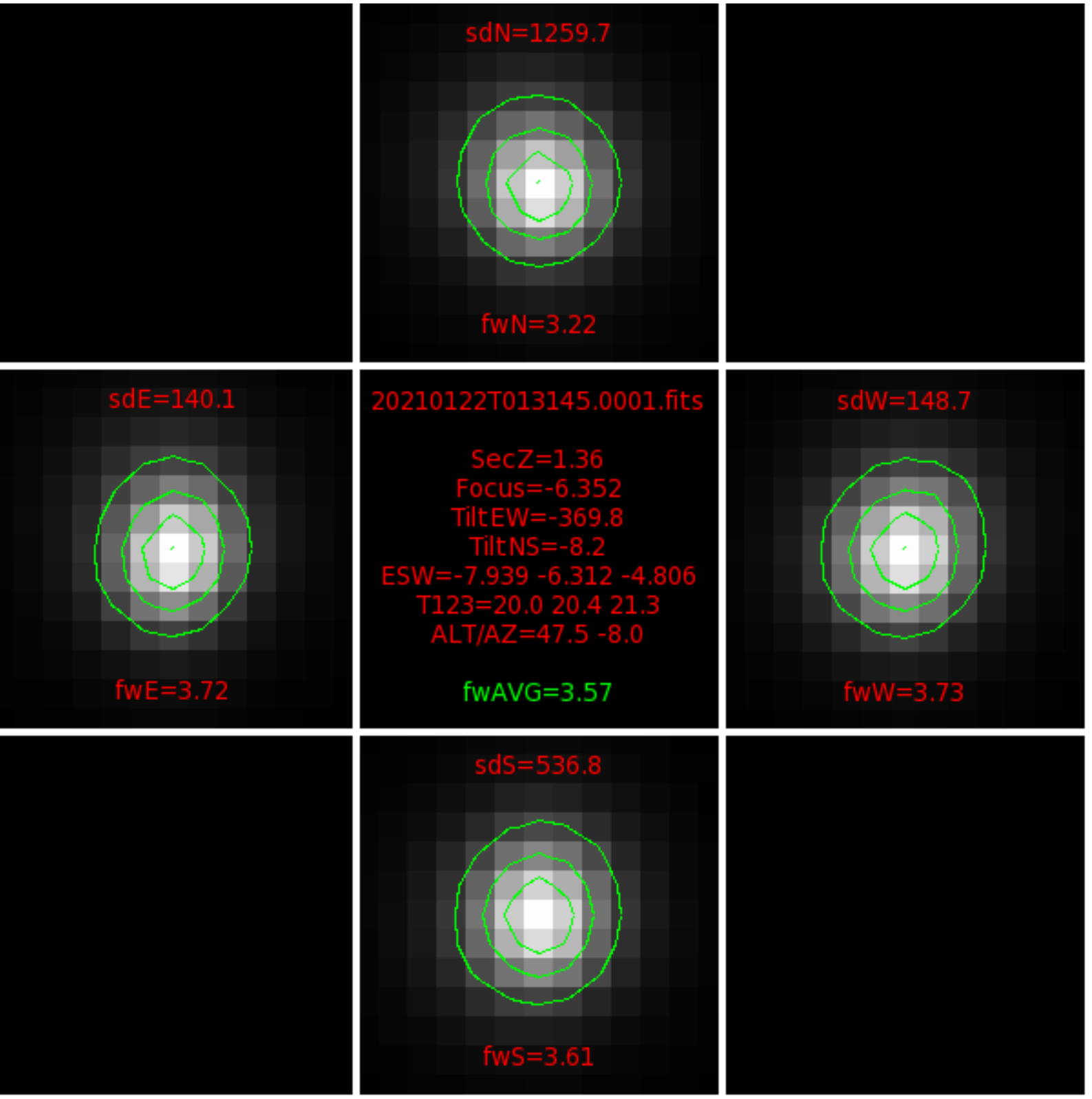
sdN=1259.7
fwN=3.22
sdE=140.1
fwE=3.72
20210122T013145.0001.fits
SecZ=1.36
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.0 20.4 21.3
ALT/AZ=47.5 -8.0
fwAVG=3.57
sdW=148.7
fwW=3.73
sdS=536.8
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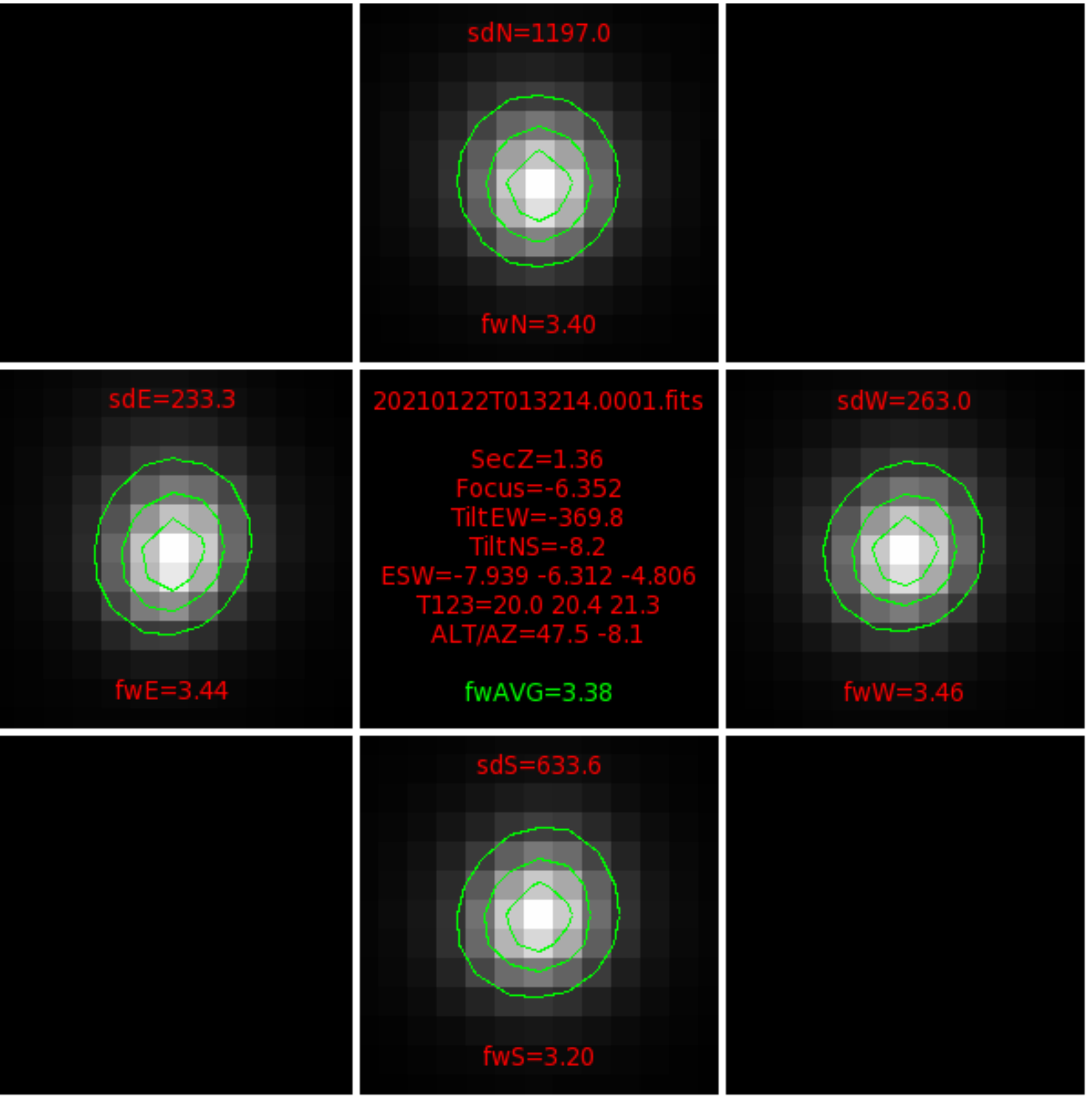
sdN=1197.0
fwN=3.40
sdE=233.3
fwE=3.44
20210122T013214.0001.fits
SecZ=1.36
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.0 20.4 21.3
ALT/AZ=47.5 -8.1
fwAVG=3.38
sdW=263.0
fwW=3.46
sdS=633.6
fwS=3.20
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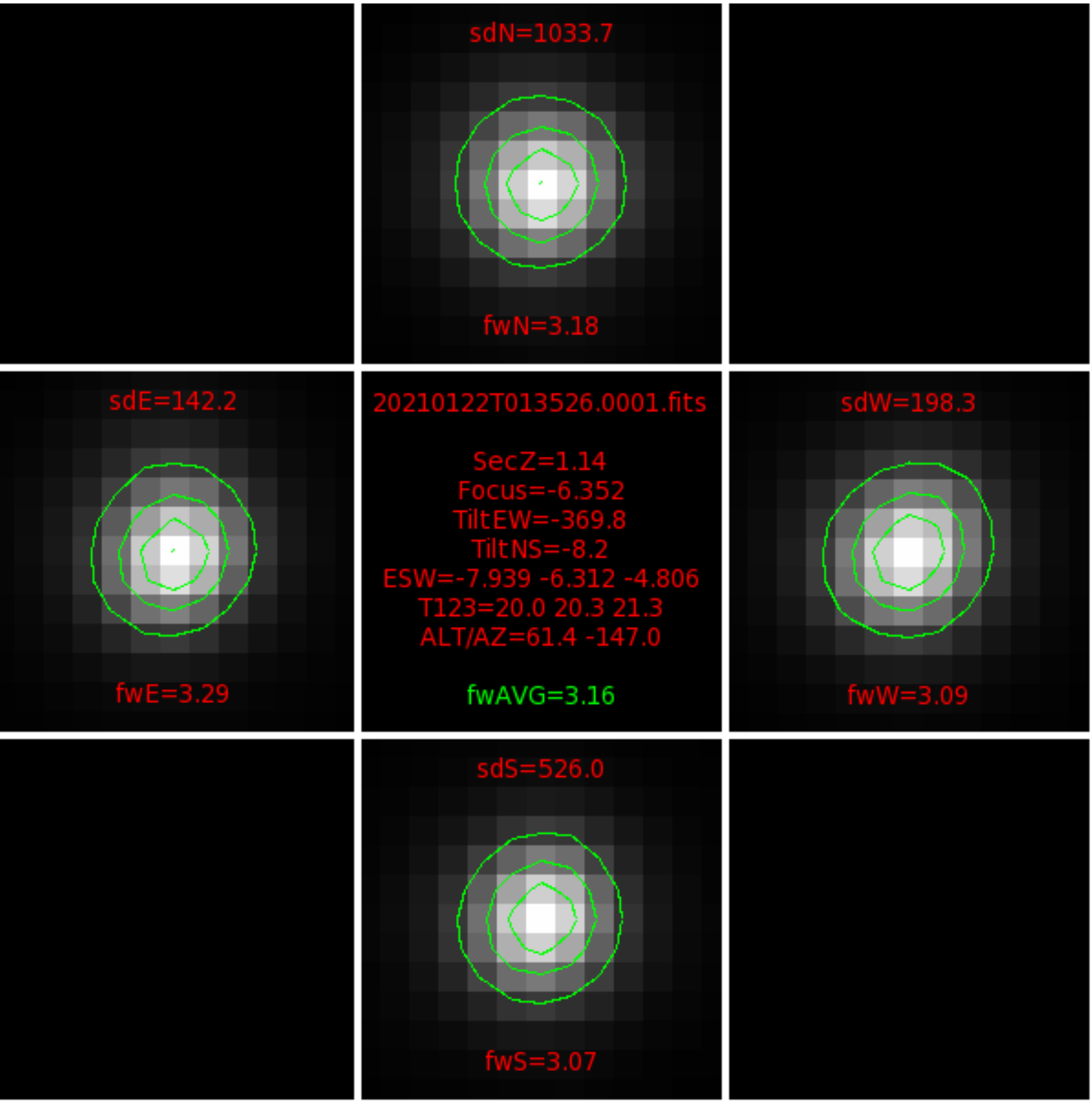
sdN=1033.7
fwN=3.18
sdE=142.2
fwE=3.29
20210122T013526.0001.fits
SecZ=1.14
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.0 20.3 21.3
ALT/AZ=61.4 -147.0
fwAVG=3.16
sdW=198.3
fwW=3.09
sdS=526.0
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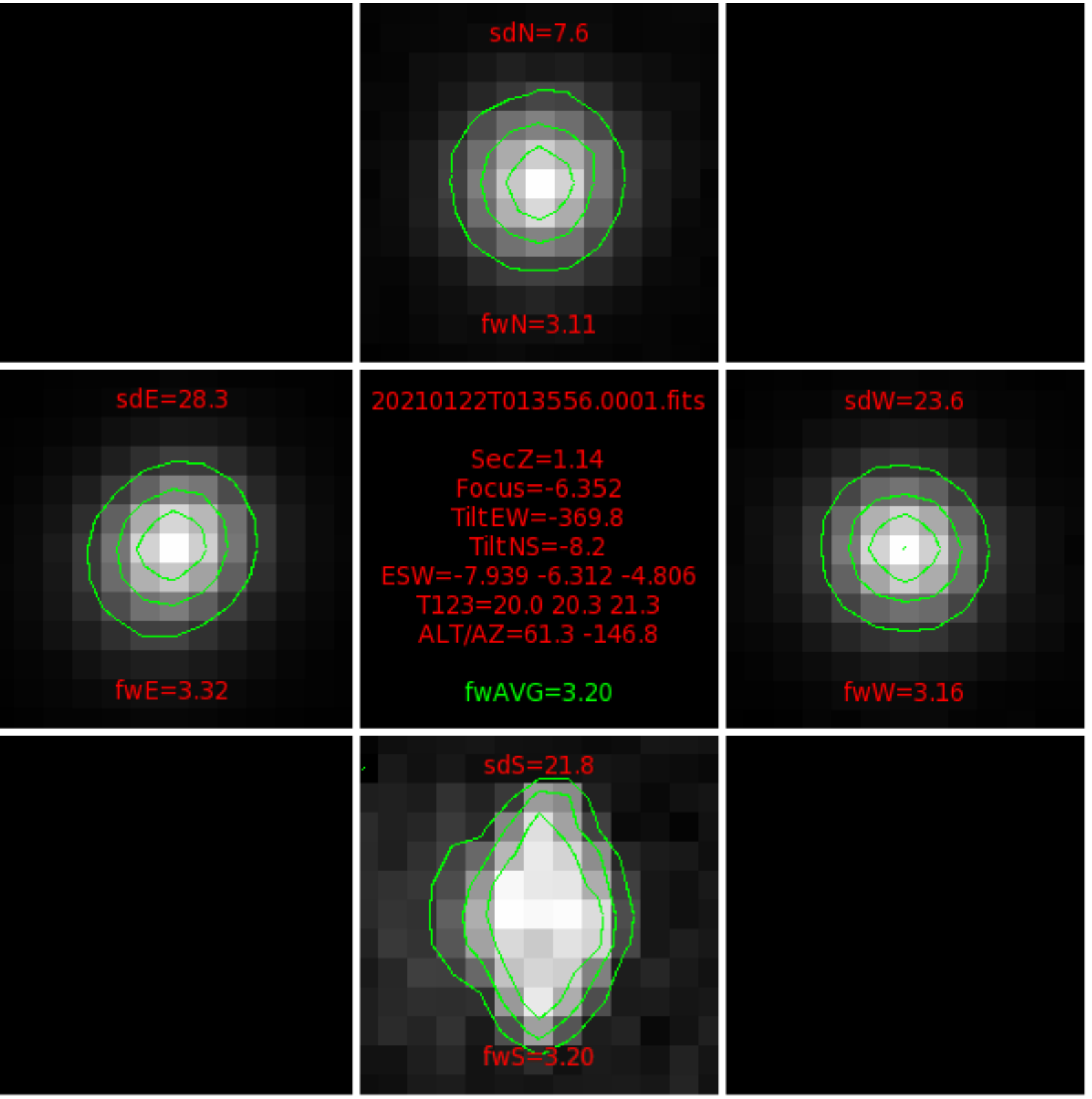
sdN=7.6
fwN=3.11
sdE=28.3
fwE=3.32
20210122T013556.0001.fits
SecZ=1.14
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.0 20.3 21.3
ALT/AZ=61.3 -146.8
fwAVG=3.20
sdW=23.6
fwW=3.16
sdS=21.8
fwS=3.20
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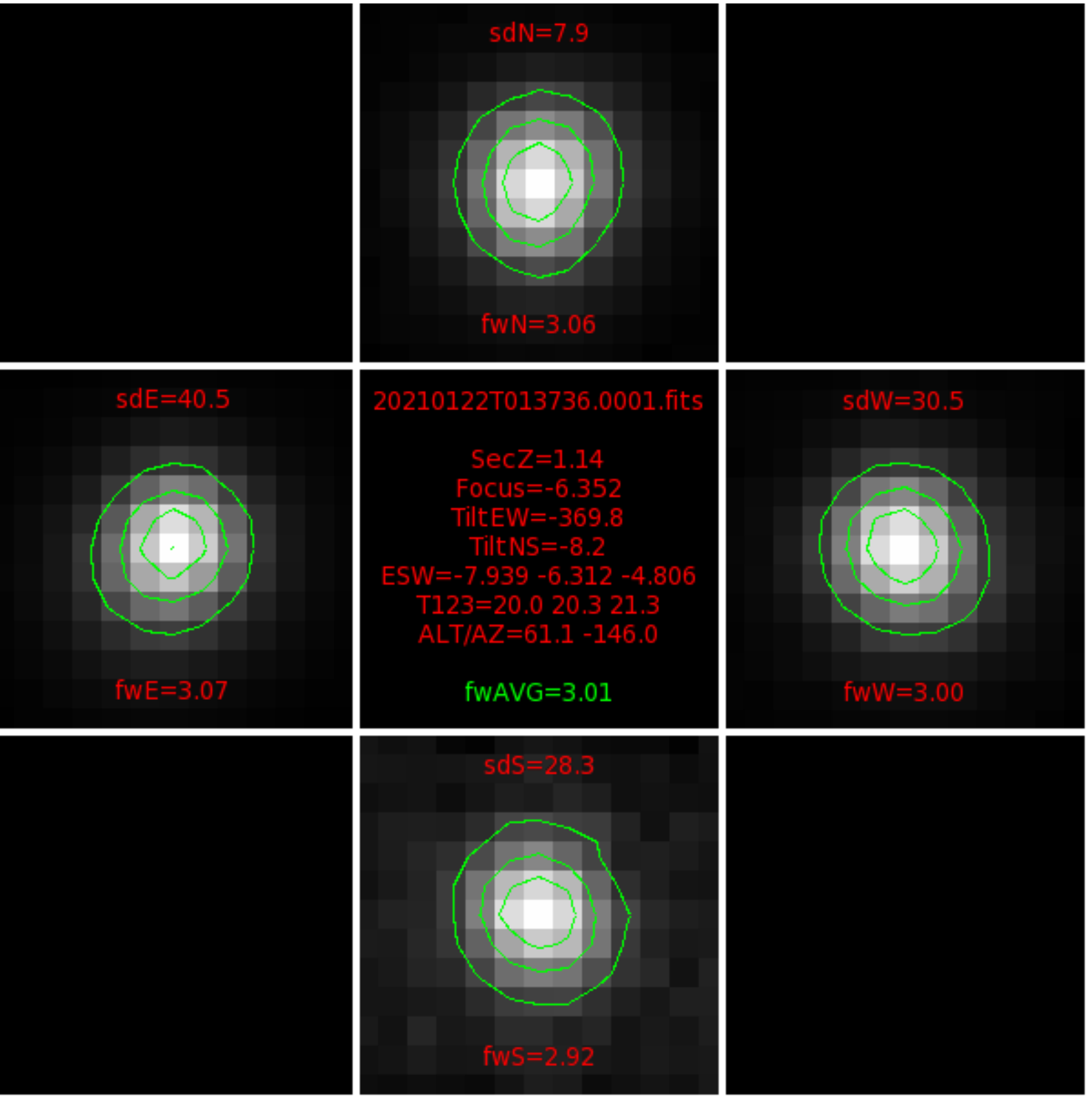
sdN=7.9
fwN=3.06
sdE=40.5
fwE=3.07
20210122T013736.0001.fits
SecZ=1.14
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.0 20.3 21.3
ALT/AZ=61.1 -146.0
fwAVG=3.01
sdW=30.5
fwW=3.00
sdS=28.3
fwS=2.92
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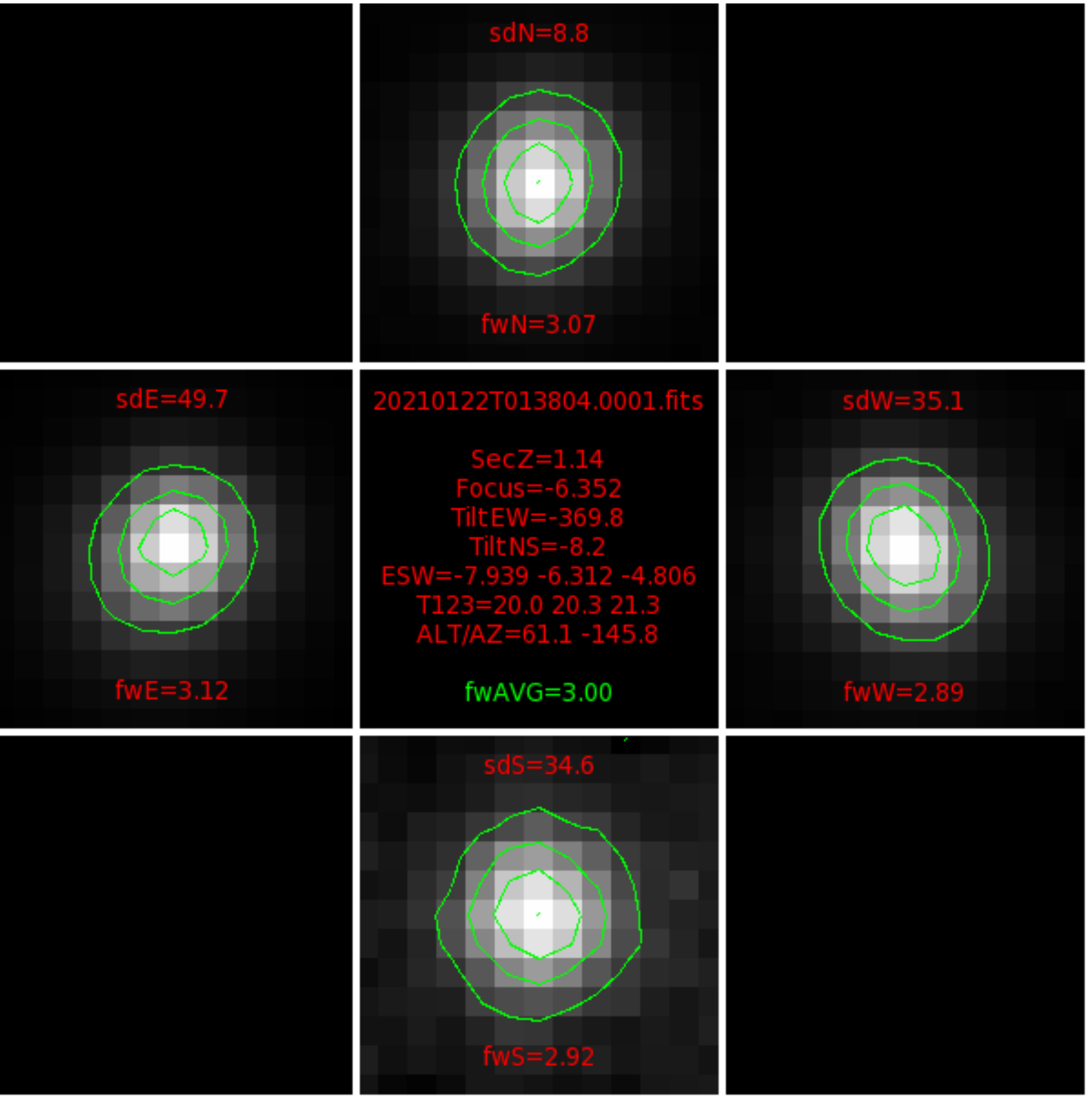
sdN=8.8
fwN=3.07
sdE=49.7
fwE=3.12
20210122T013804.0001.fits
SecZ=1.14
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.0 20.3 21.3
ALT/AZ=61.1 -145.8
fwAVG=3.00
sdW=35.1
fwW=2.89
sdS=34.6
fwS=2.92
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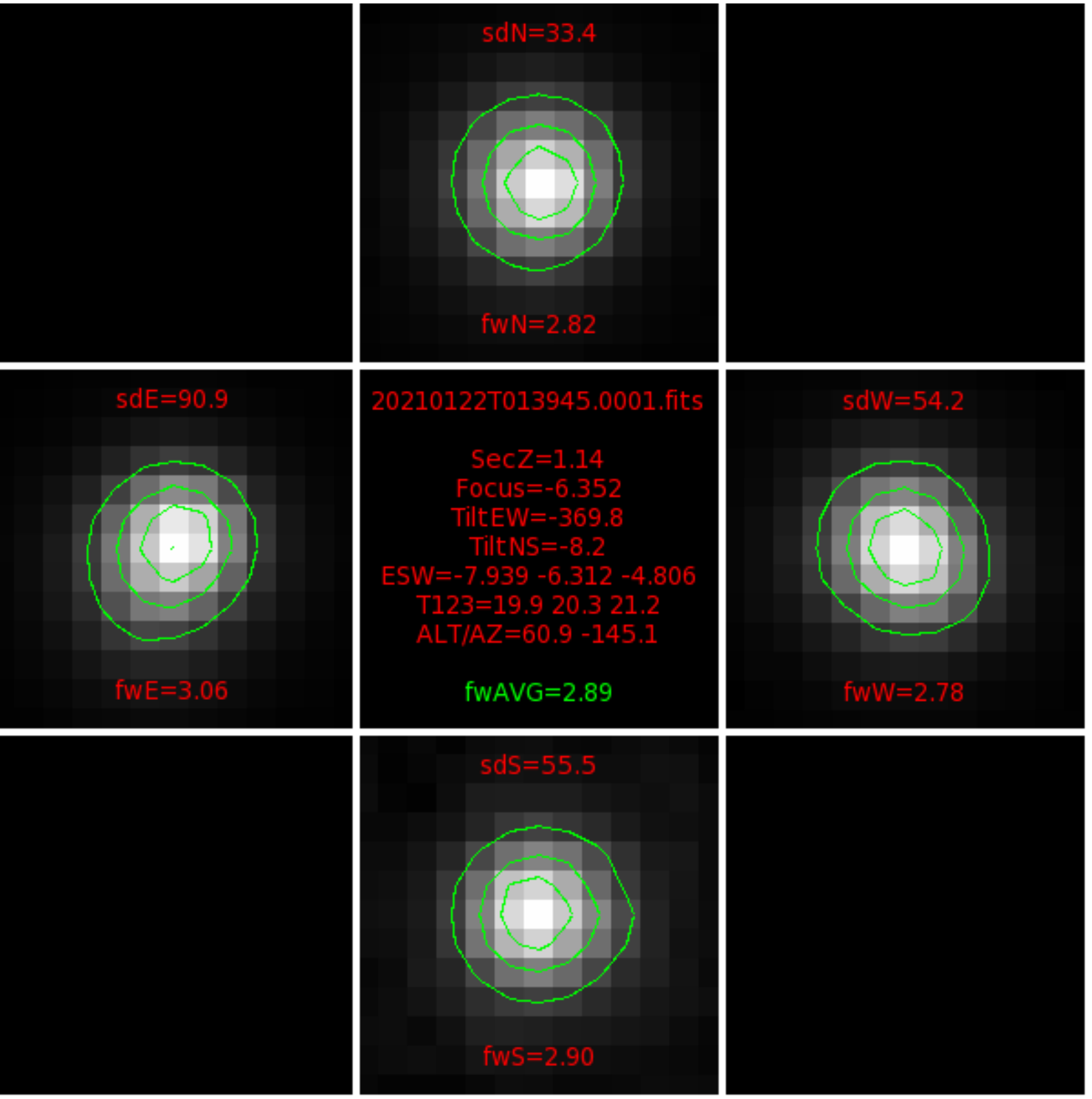
sdN=33.4
fwN=2.82
sdE=90.9
fwE=3.06
20210122T013945.0001.fits
SecZ=1.14
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=19.9 20.3 21.2
ALT/AZ=60.9 -145.1
fwAVG=2.89
sdW=54.2
fwW=2.78
sdS=55.5
fwS=2.90
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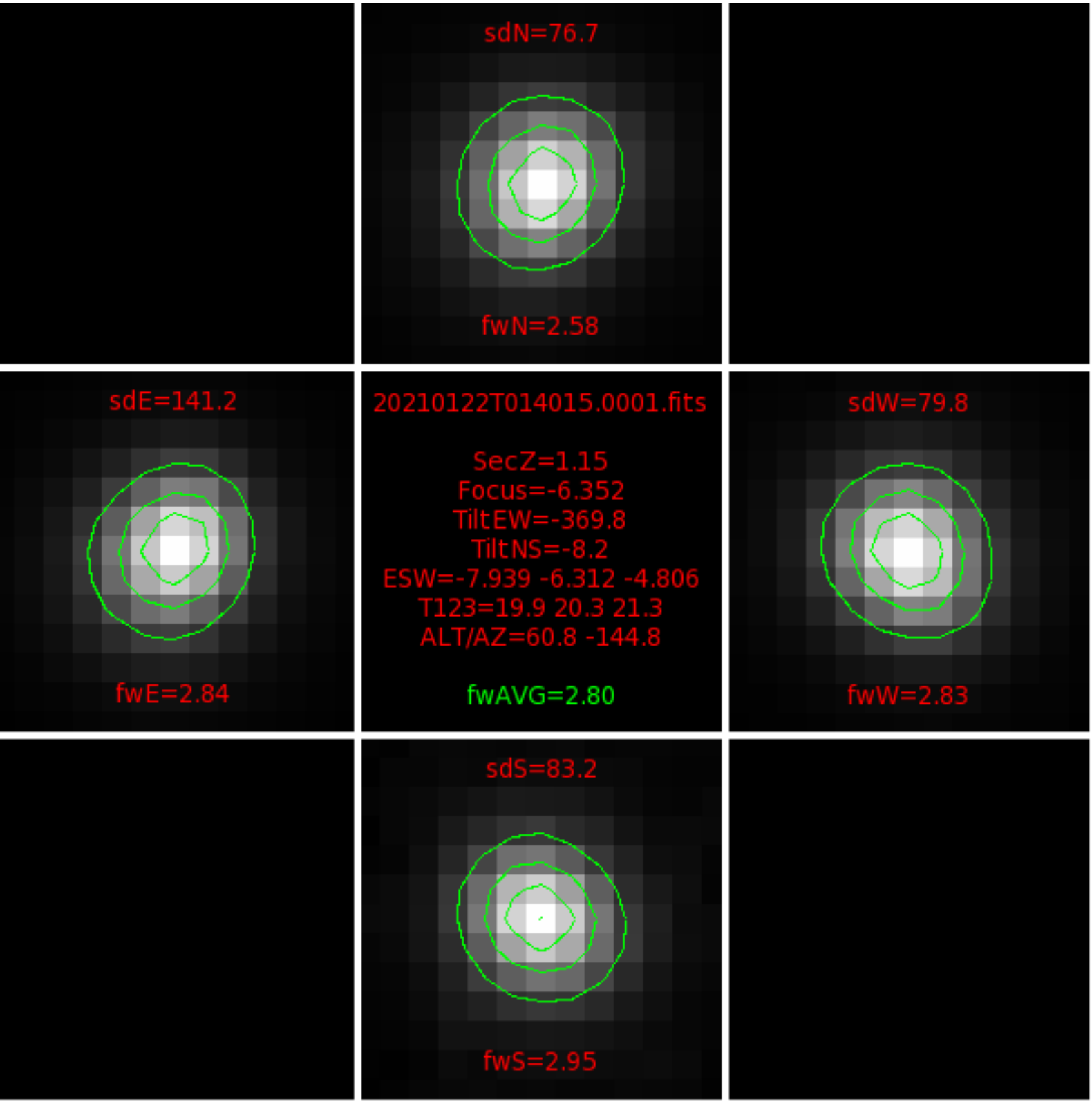
sdN=76.7
fwN=2.58
sdE=141.2
fwE=2.84
20210122T014015.0001.fits
SecZ=1.15
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=19.9 20.3 21.3
ALT/AZ=60.8 -144.8
fwAVG=2.80
sdW=79.8
fwW=2.83
sdS=83.2
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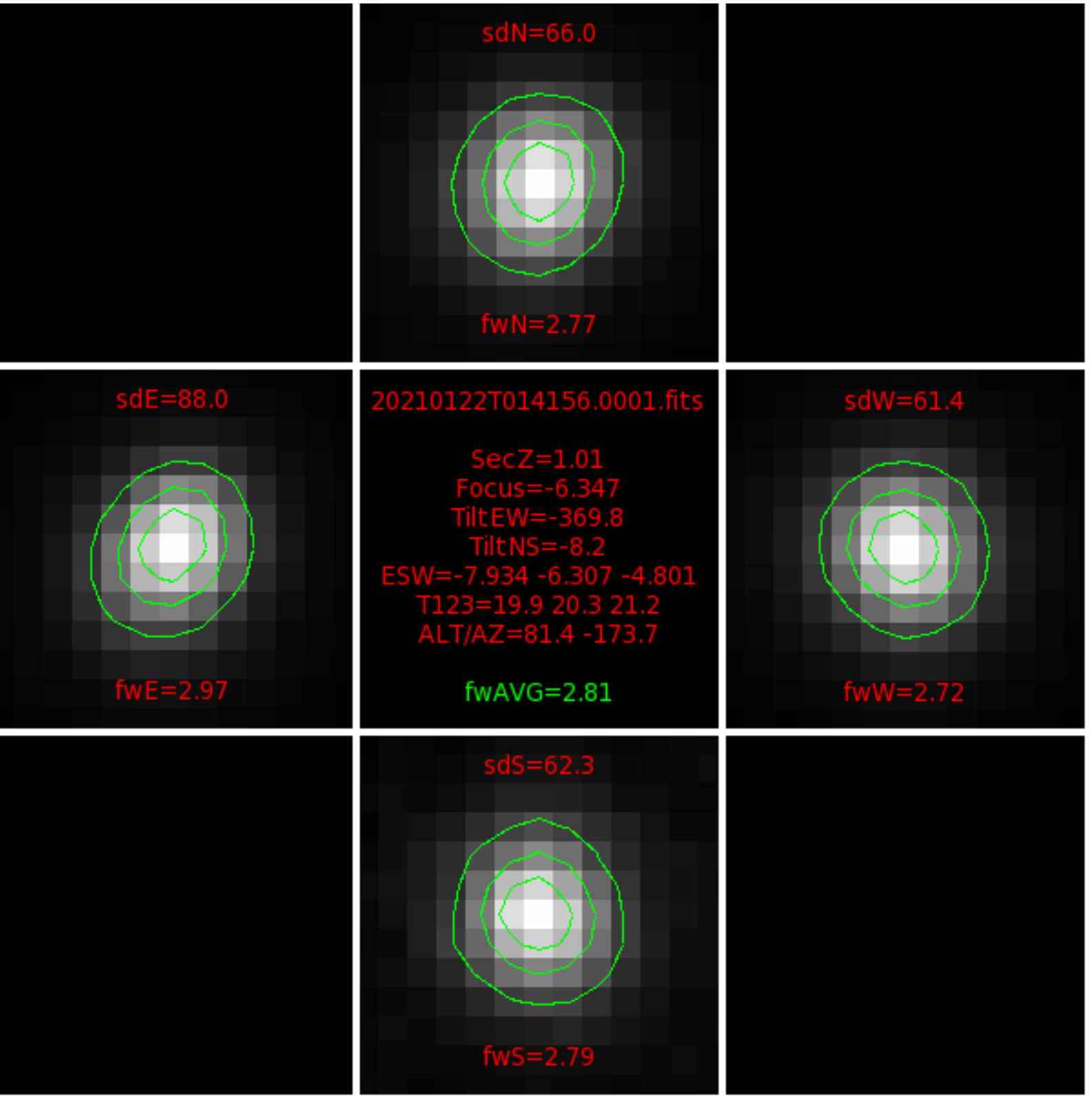
sdN=66.0
fwN=2.77
sdE=88.0
fwE=2.97
20210122T014156.0001.fits
SecZ=1.01
Focus=-6.347
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.934 -6.307 -4.801
T123=19.9 20.3 21.2
ALT/AZ=81.4 -173.7
fwAVG=2.81
sdW=61.4
fwW=2.72
sdS=62.3
fwS=2.79
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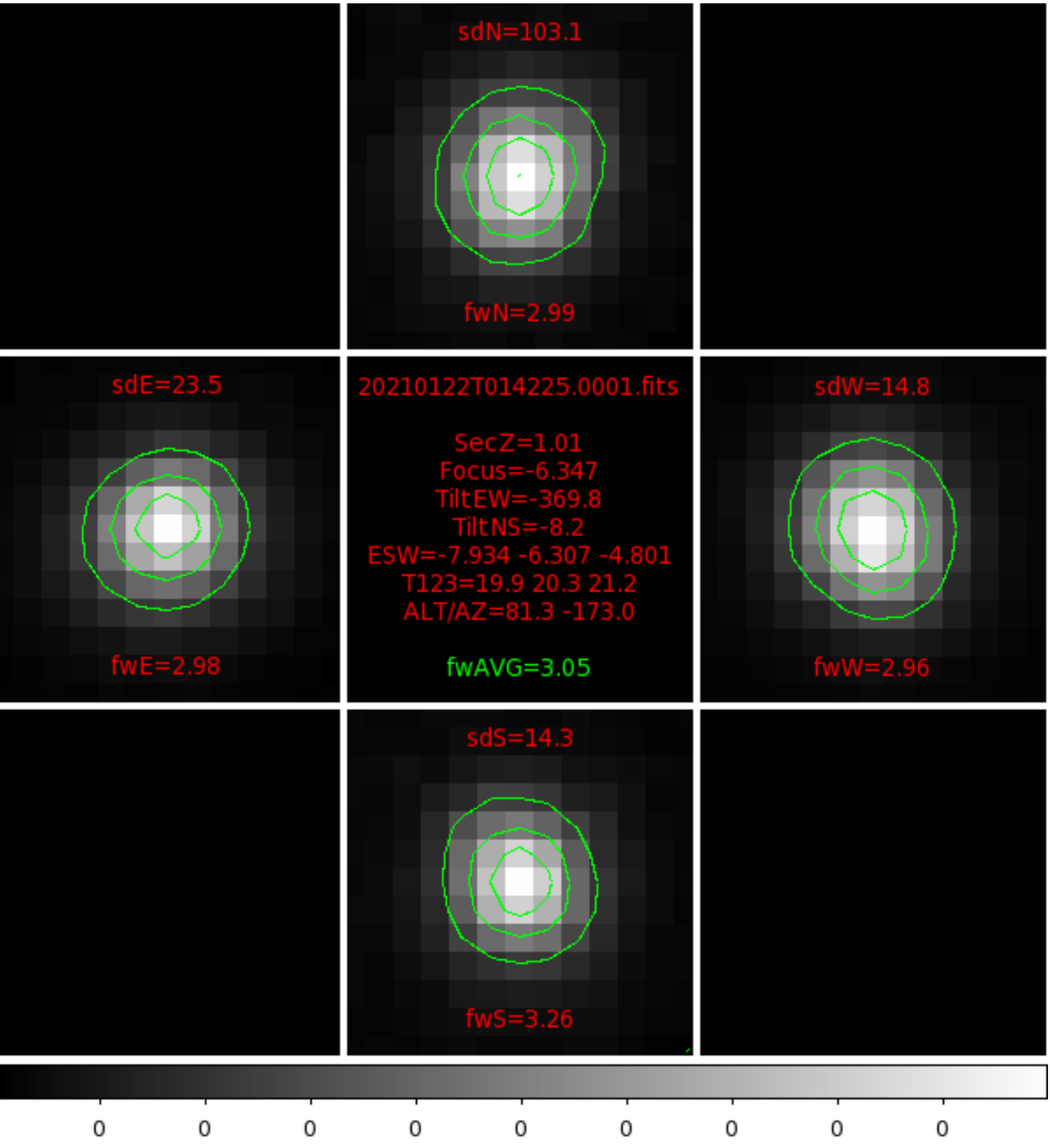
sdN=103.1
fwN=2.99
sdE=23.5
fwE=2.98
20210122T014225.0001.fits
SecZ=1.01
Focus=-6.347
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.934 -6.307 -4.801
T123=19.9 20.3 21.2
ALT/AZ=81.3 -173.0
fwAVG=3.05
sdW=14.8
fwW=2.96
sdS=14.3
fwS=3.26
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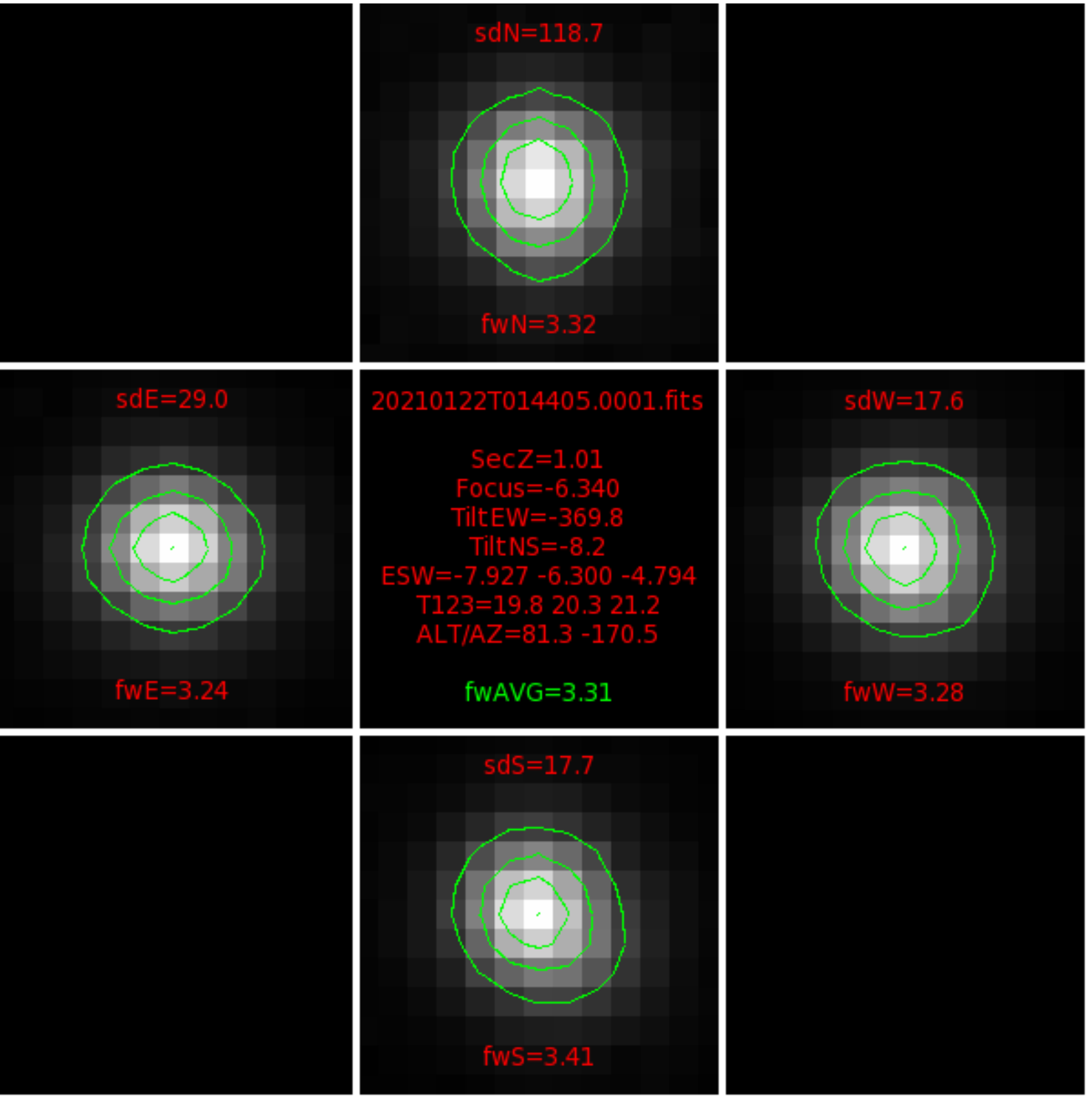
sdN=118.7
fwN=3.32
sdE=29.0
fwE=3.24
20210122T014405.0001.fits
SecZ=1.01
Focus=-6.340
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.927 -6.300 -4.794
T123=19.8 20.3 21.2
ALT/AZ=81.3 -170.5
fwAVG=3.31
sdW=17.6
fwW=3.28
sdS=17.7
fwS=3.41
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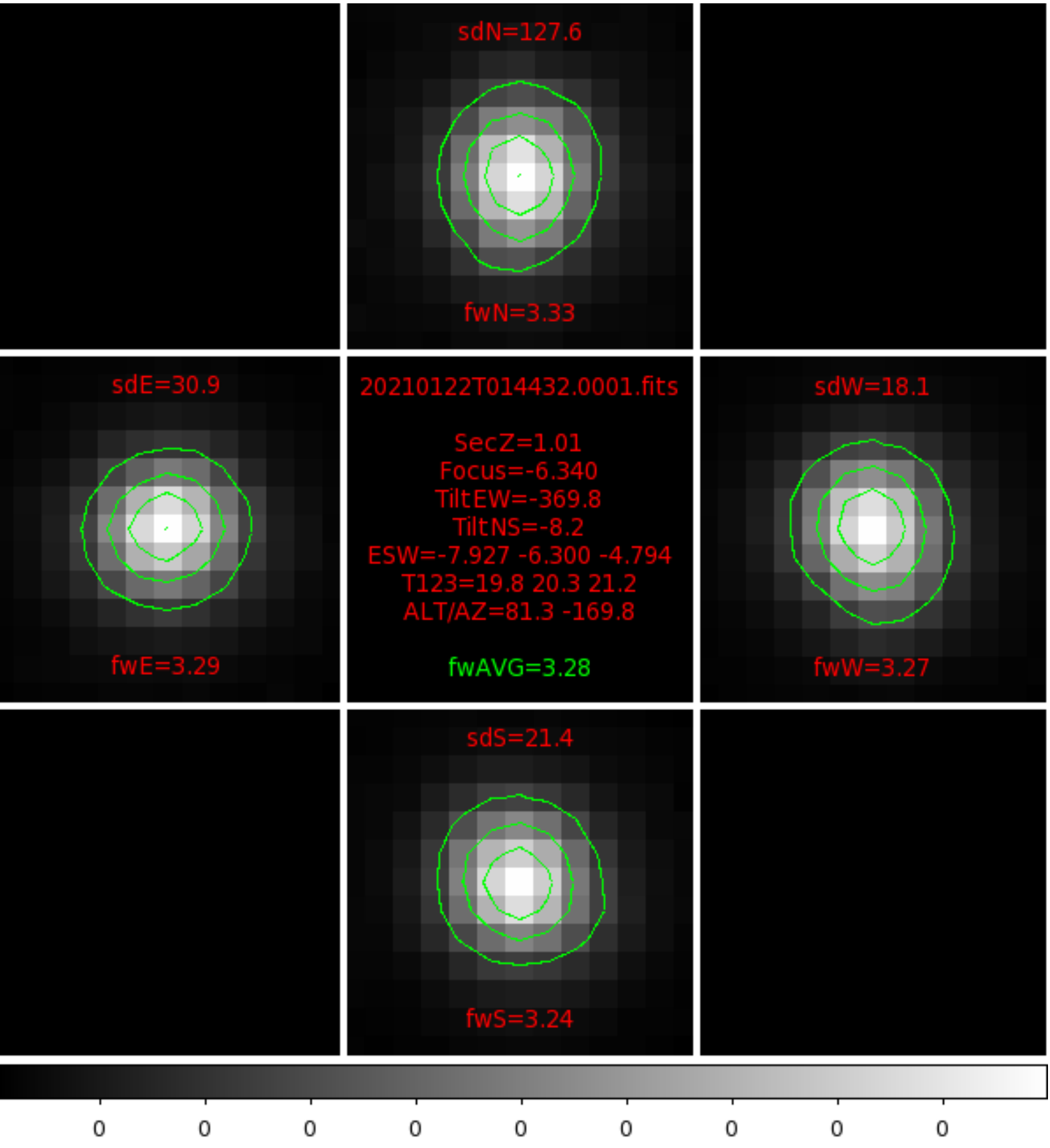
sdN=127.6
fwN=3.33
sdE=30.9
fwE=3.29
20210122T014432.0001.fits
SecZ=1.01
Focus=-6.340
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.927 -6.300 -4.794
T123=19.8 20.3 21.2
ALT/AZ=81.3 -169.8
fwAVG=3.28
sdW=18.1
fwW=3.27
sdS=21.4
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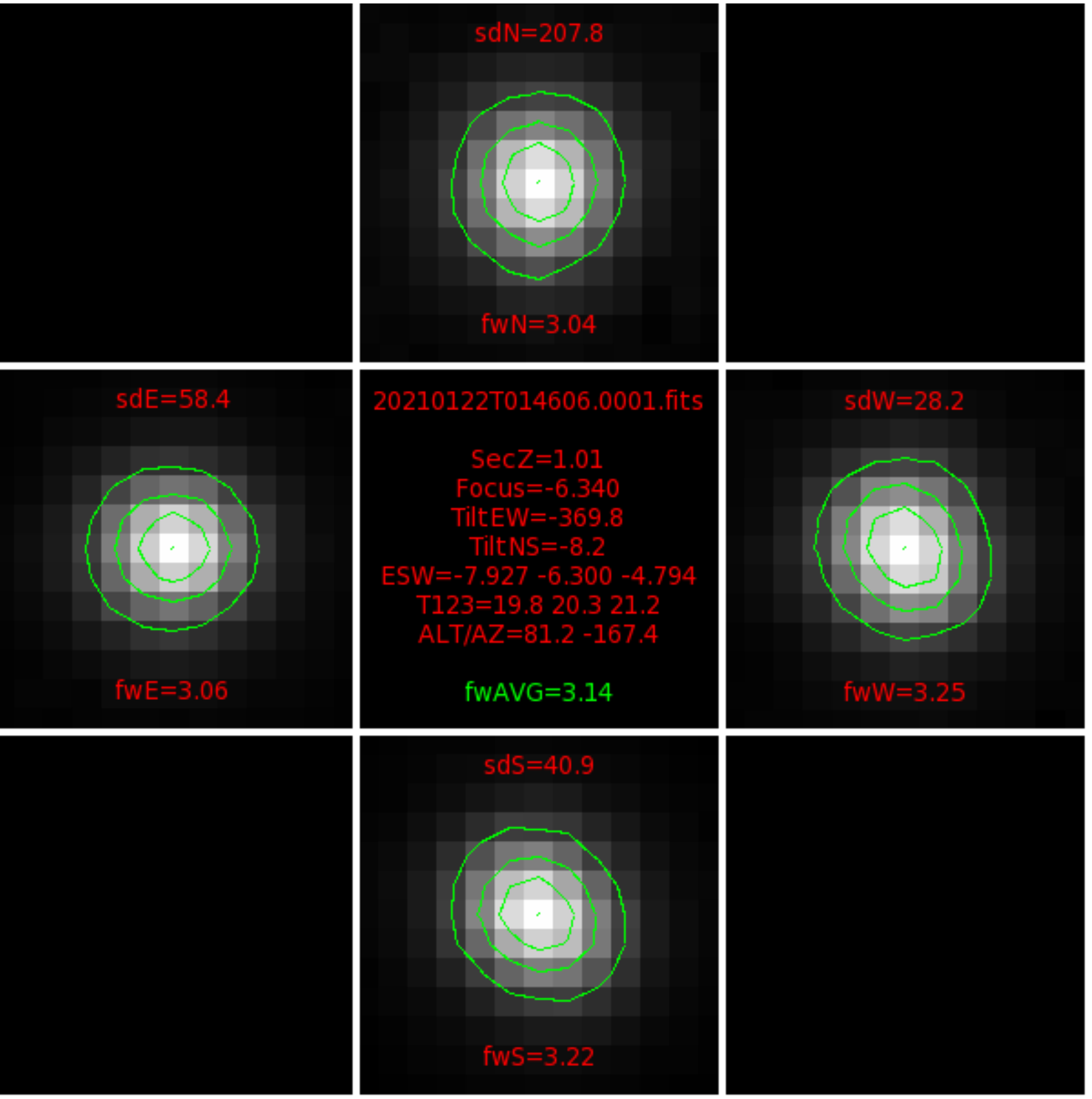
sdN=207.8
fwN=3.04
sdE=58.4
fwE=3.06
20210122T014606.0001.fits
SecZ=1.01
Focus=-6.340
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.927 -6.300 -4.794
T123=19.8 20.3 21.2
ALT/AZ=81.2 -167.4
fwAVG=3.14
sdW=28.2
fwW=3.25
sdS=40.9
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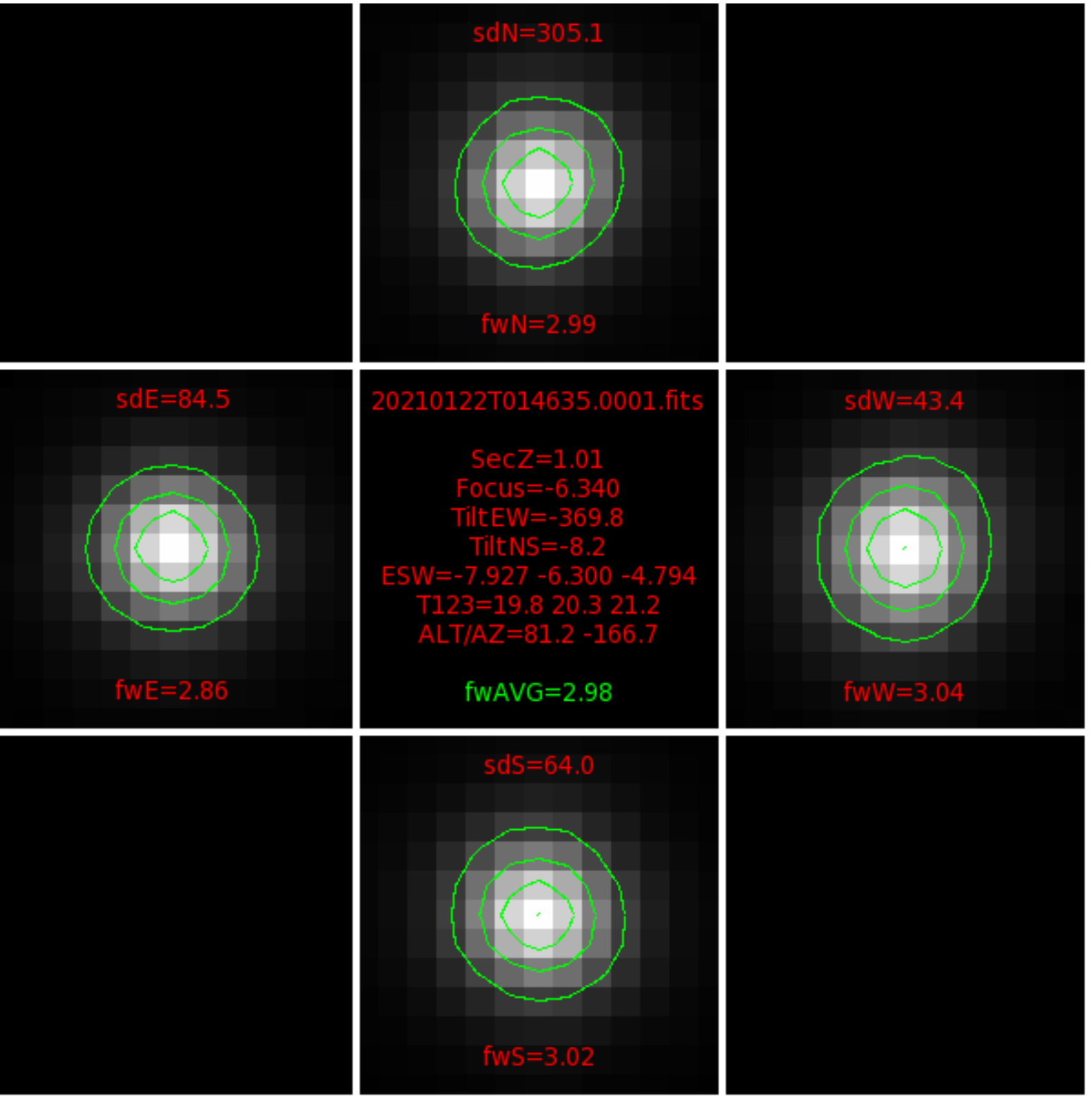
sdN=305.1
fwN=2.99
sdE=84.5
fwE=2.86
20210122T014635.0001.fits
SecZ=1.01
Focus=-6.340
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.927 -6.300 -4.794
T123=19.8 20.3 21.2
ALT/AZ=81.2 -166.7
fwAVG=2.98
sdW=43.4
fwW=3.04
sdS=64.0
fwS=3.02
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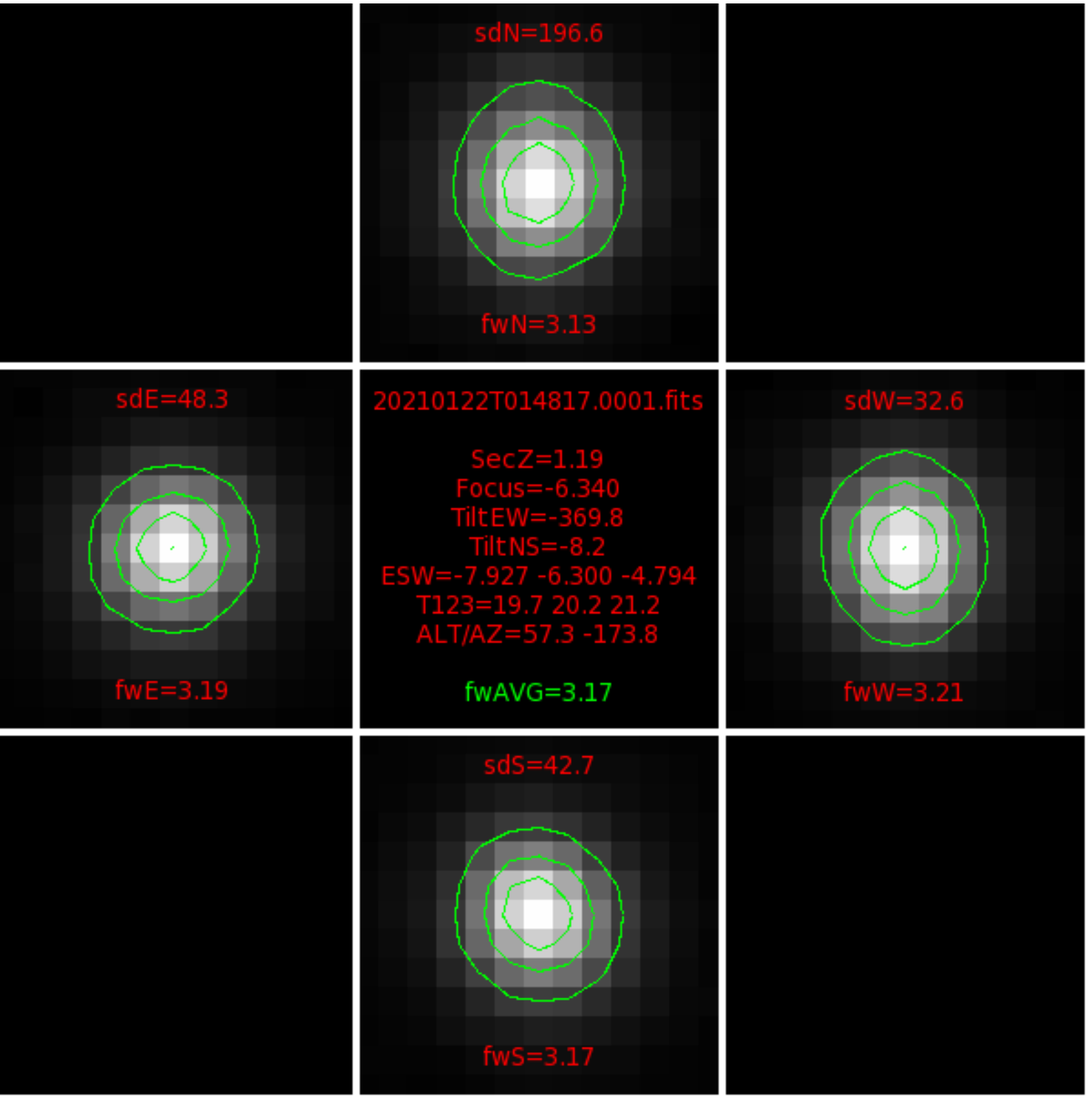
sdN=196.6
fwN=3.13
sdE=48.3
fwE=3.19
20210122T014817.0001.fits
SecZ=1.19
Focus=-6.340
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.927 -6.300 -4.794
T123=19.7 20.2 21.2
ALT/AZ=57.3 -173.8
fwAVG=3.17
sdW=32.6
fwW=3.21
sdS=42.7
fwS=3.17
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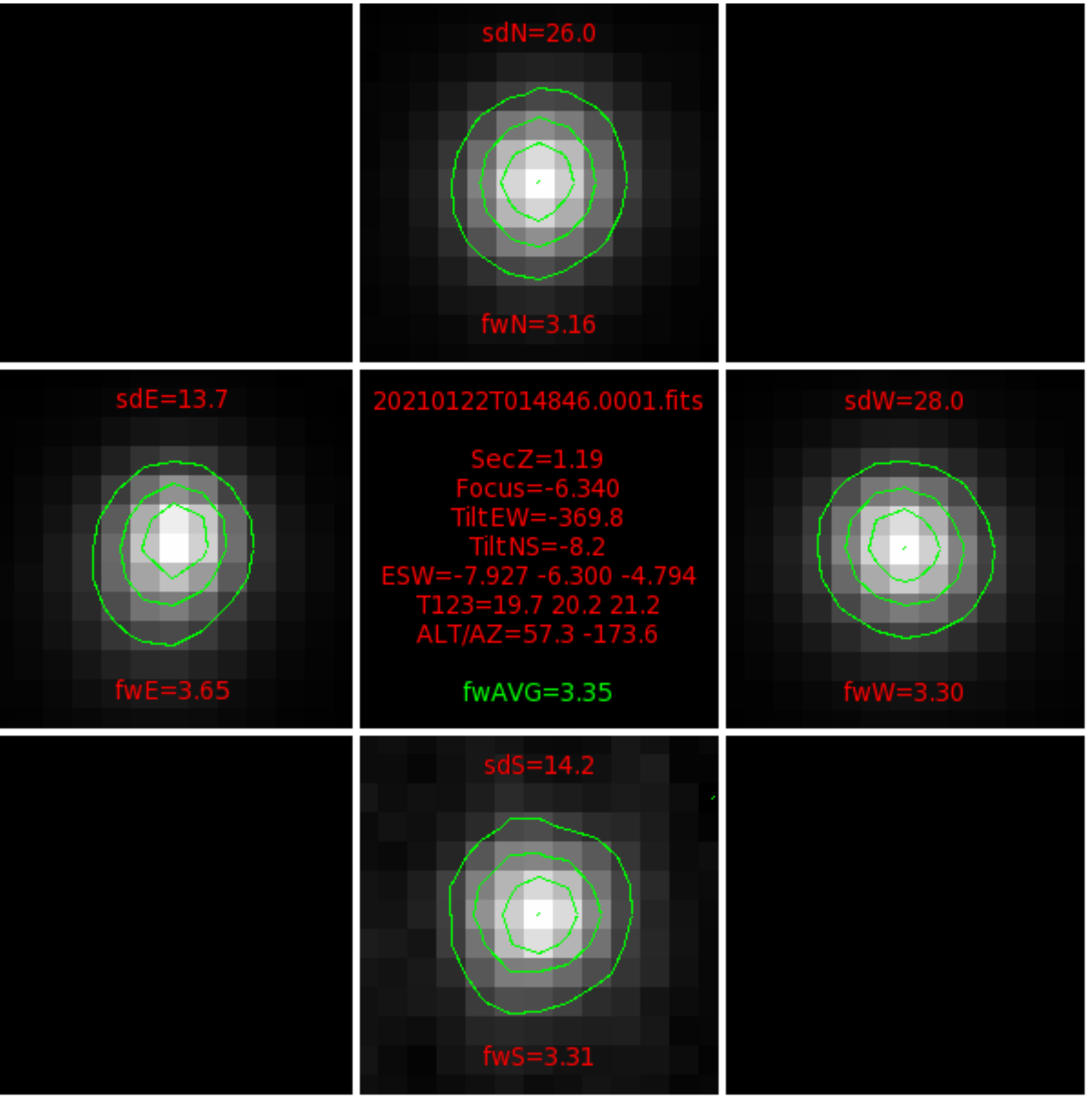
sdN=26.0
fwN=3.16
sdE=13.7
fwE=3.65
20210122T014846.0001.fits
SecZ=1.19
Focus=-6.340
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.927 -6.300 -4.794
T123=19.7 20.2 21.2
ALT/AZ=57.3 -173.6
fwAVG=3.35
sdW=28.0
fwW=3.30
sdS=14.2
fwS=3.31
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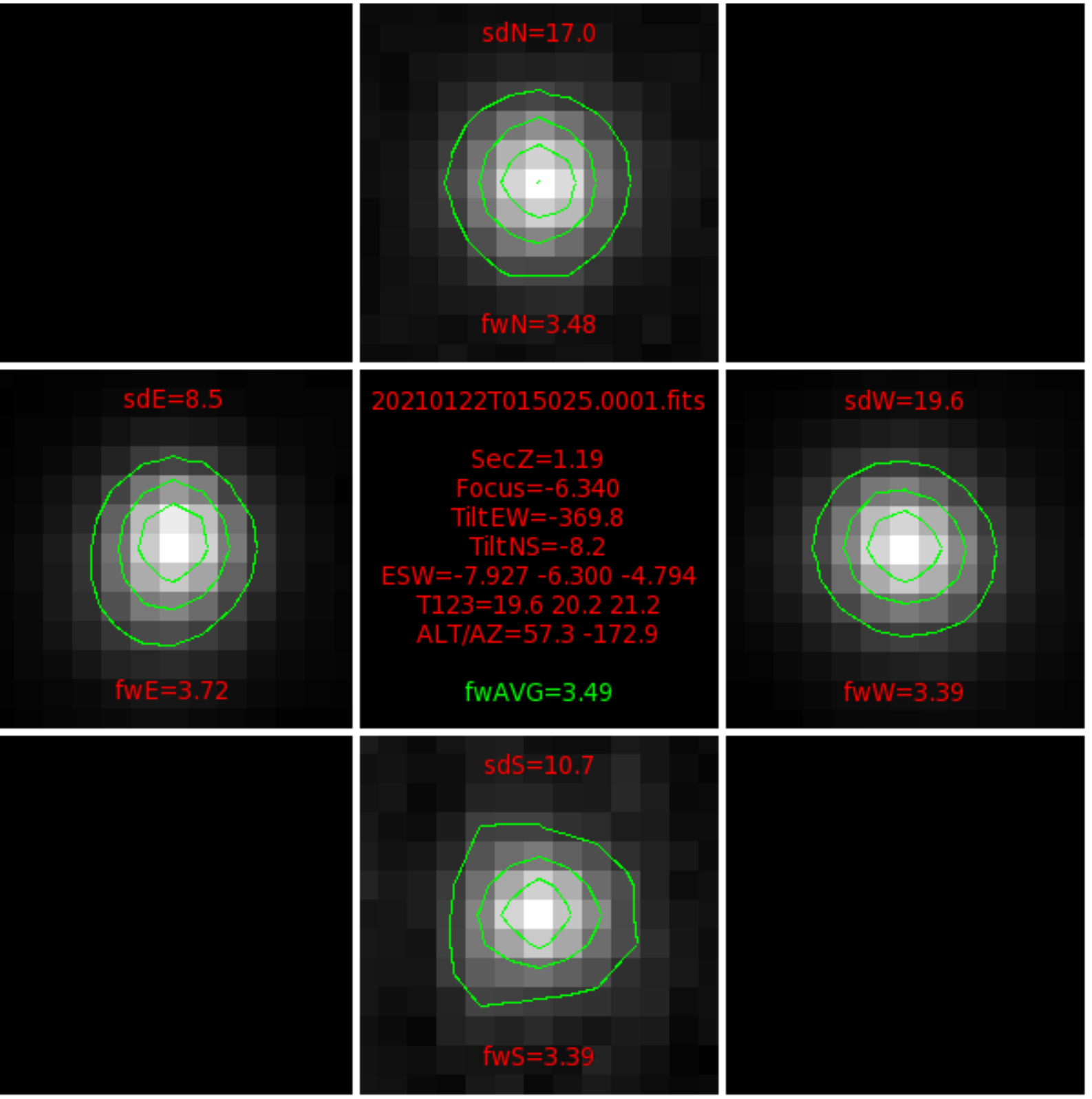
sdN=17.0
fwN=3.48
sdE=8.5
fwE=3.72
20210122T015025.0001.fits
SecZ=1.19
Focus=-6.340
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.927 -6.300 -4.794
T123=19.6 20.2 21.2
ALT/AZ=57.3 -172.9
fwAVG=3.49
sdW=19.6
fwW=3.39
sdS=10.7
fwS=3.39
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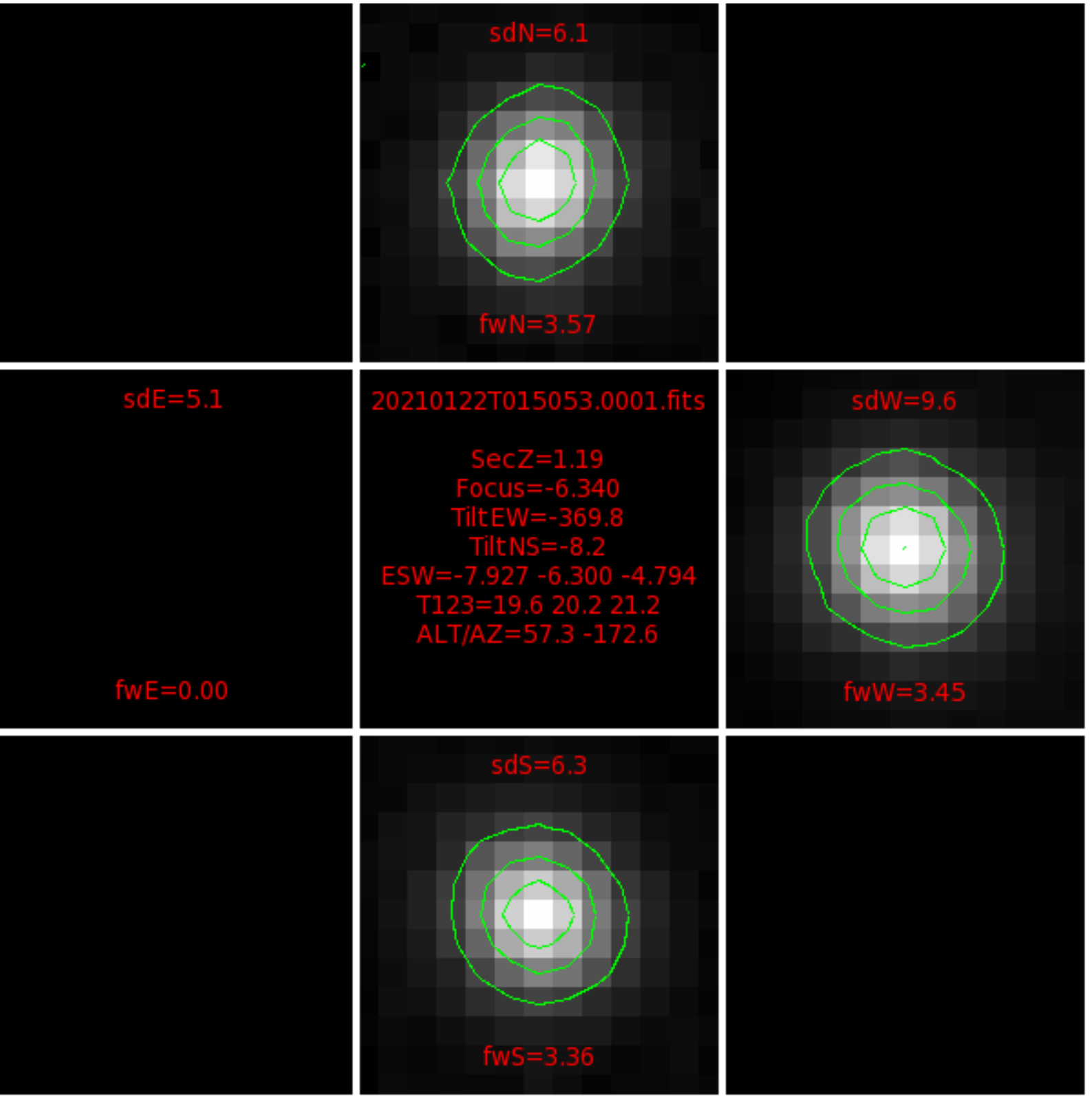
sdN=6.1
fwN=3.57
sdE=5.1
fwE=0.00
20210122T015053.0001.fits
SecZ=1.19
Focus=-6.340
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.927 -6.300 -4.794
T123=19.6 20.2 21.2
ALT/AZ=57.3 -172.6
sdW=9.6
fwW=3.45
sdS=6.3
fwS=3.36
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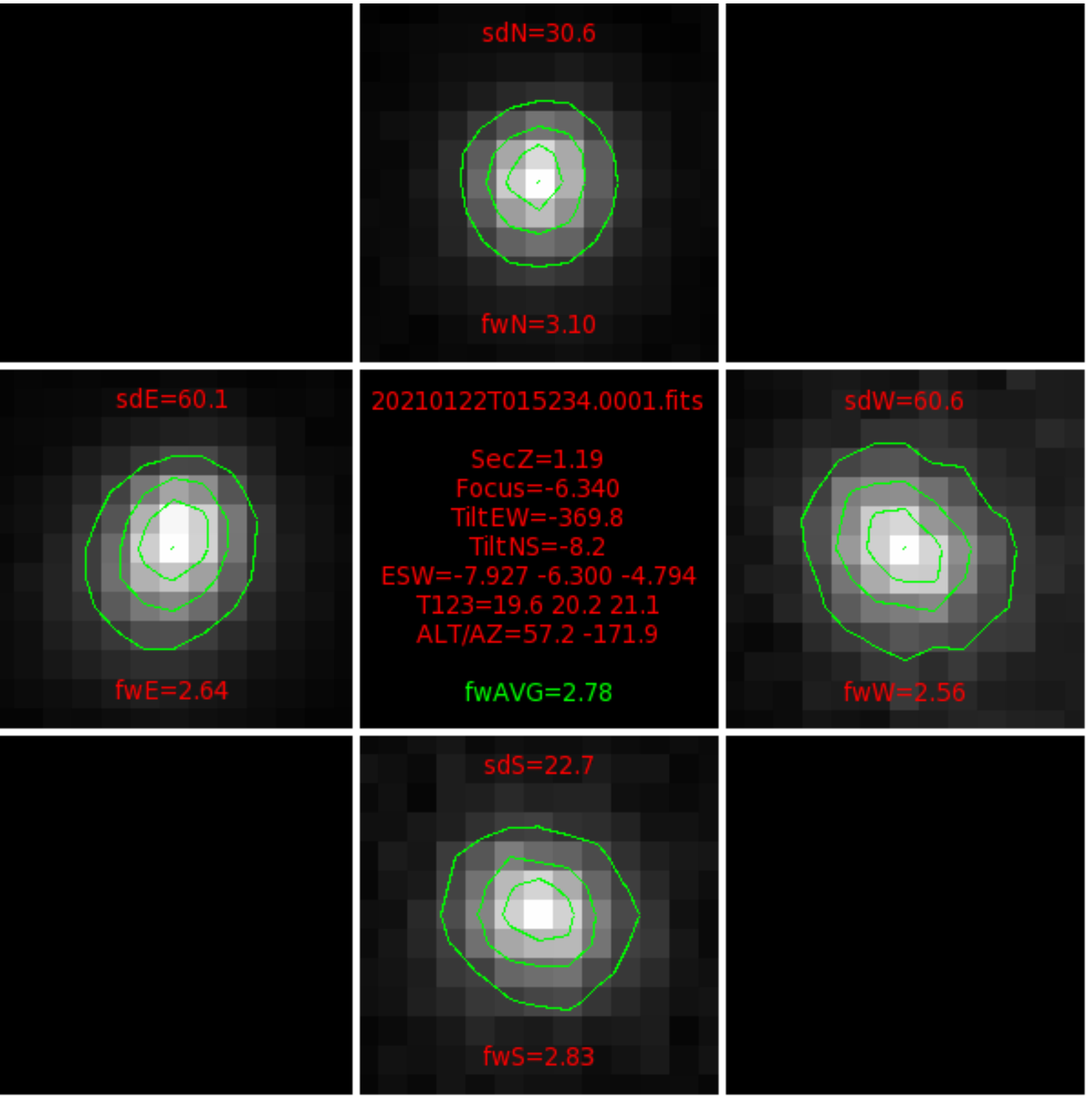
sdN=30.6
fwN=3.10
sdE=60.1
fwE=2.64
20210122T015234.0001.fits
SecZ=1.19
Focus=-6.340
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.927 -6.300 -4.794
T123=19.6 20.2 21.1
ALT/AZ=57.2 -171.9
fwAVG=2.78
sdW=60.6
fwW=2.56
sdS=22.7
fwS=2.83
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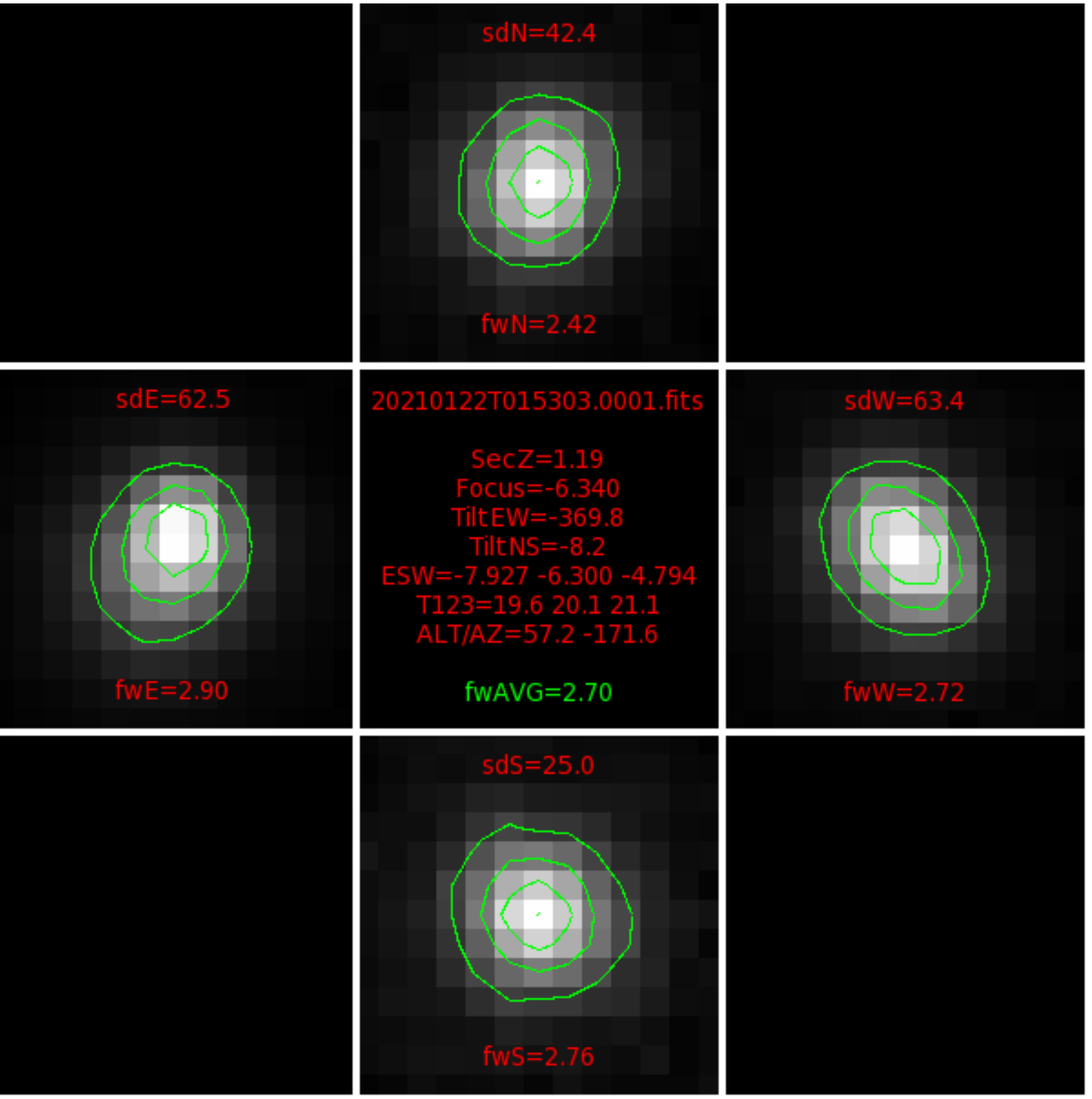
sdN=42.4
fwN=2.42
sdE=62.5
fwE=2.90
20210122T015303.0001.fits
SecZ=1.19
Focus=-6.340
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.927 -6.300 -4.794
T123=19.6 20.1 21.1
ALT/AZ=57.2 -171.6
fwAVG=2.70
sdW=63.4
fwW=2.72
sdS=25.0
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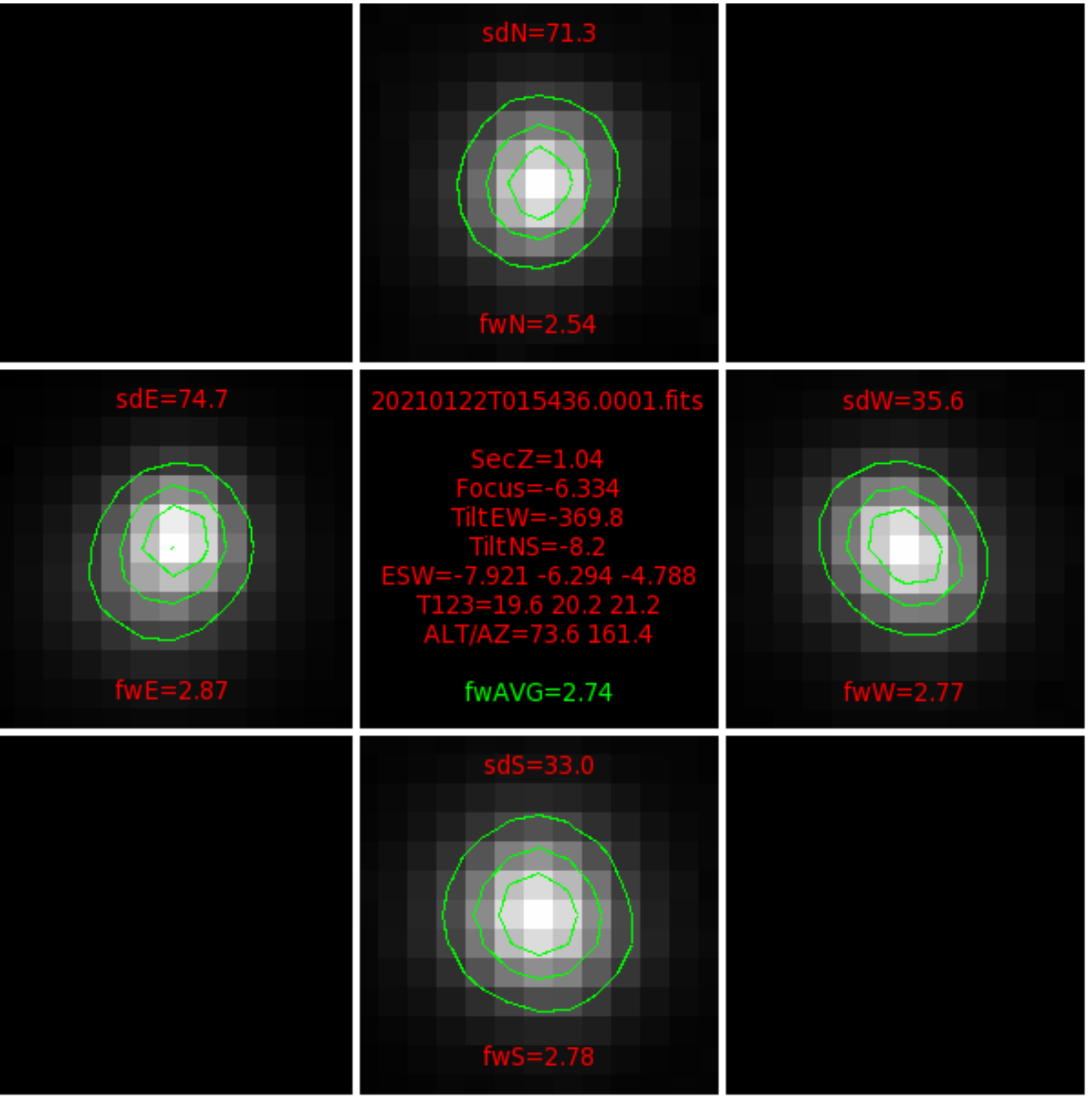
sdN=71.3
fwN=2.54
sdE=74.7
fwE=2.87
20210122T015436.0001.fits
SecZ=1.04
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.6 20.2 21.2
ALT/AZ=73.6 161.4
fwAVG=2.74
sdW=35.6
fwW=2.77
sdS=33.0
fwS=2.78
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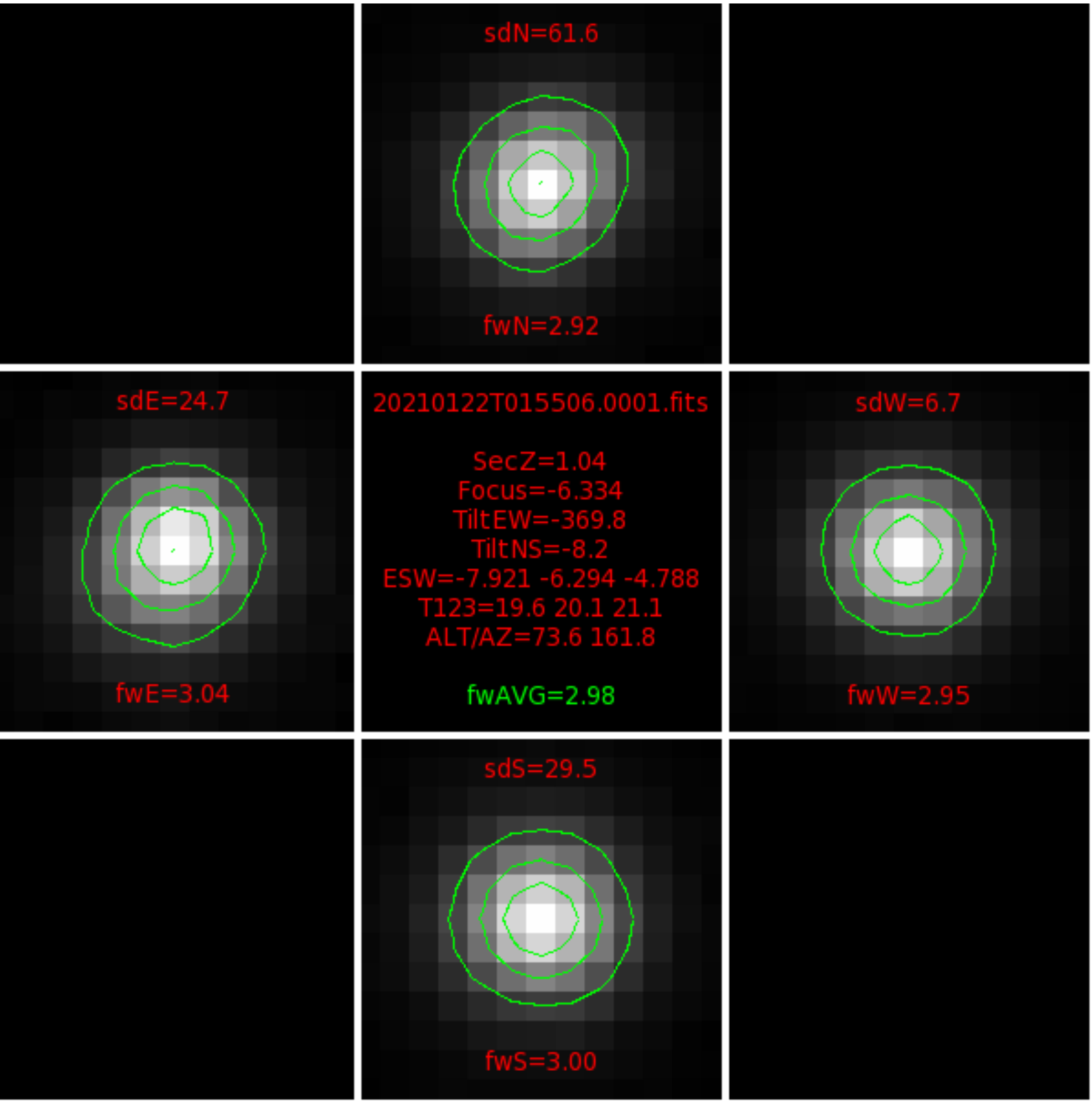
sdN=61.6
fwN=2.92
sdE=24.7
fwE=3.04
20210122T015506.0001.fits
SecZ=1.04
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.6 20.1 21.1
ALT/AZ=73.6 161.8
fwAVG=2.98
sdW=6.7
fwW=2.95
sdS=29.5
fwS=3.00
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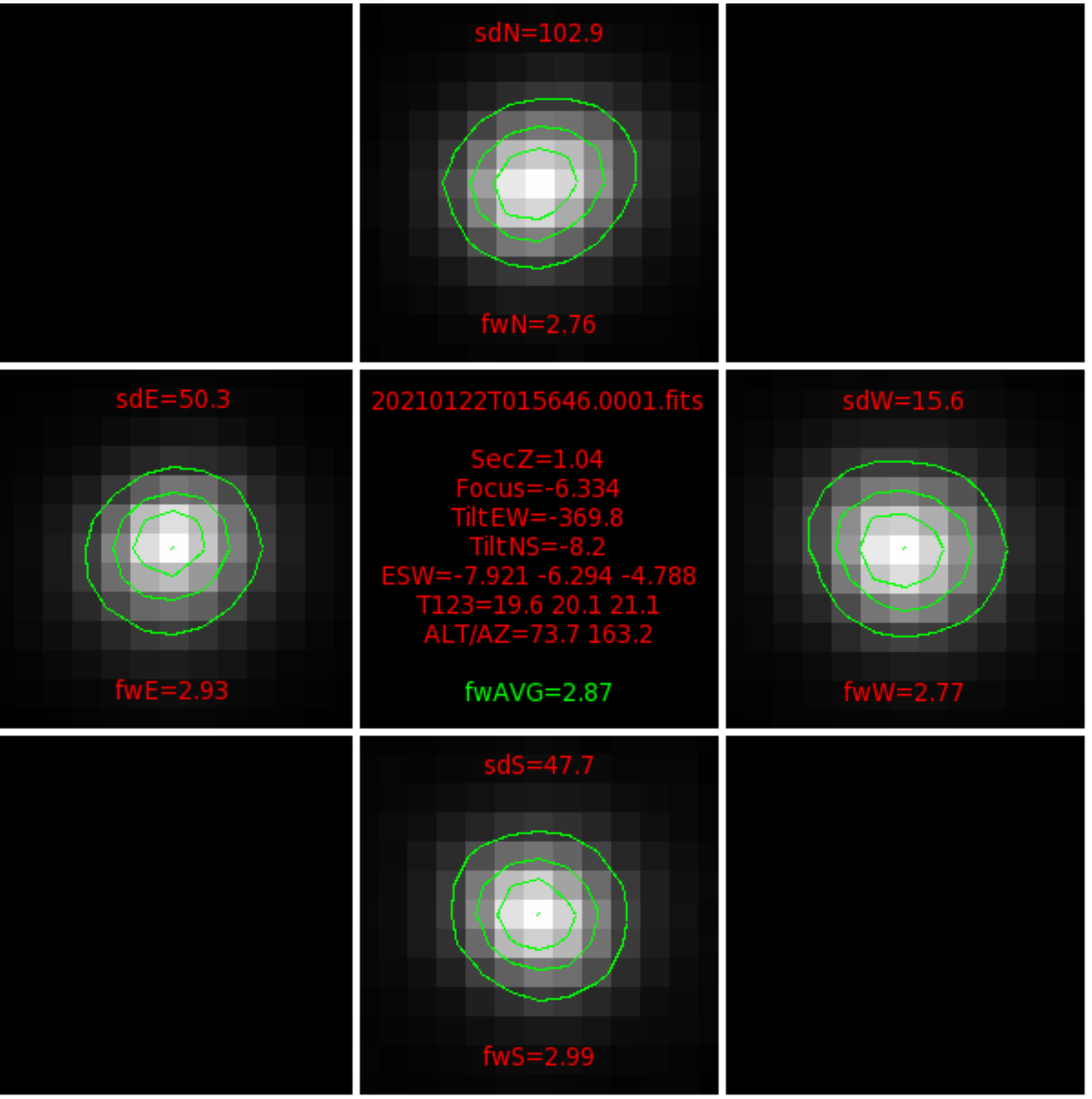
sdN=102.9
fwN=2.76
sdE=50.3
fwE=2.93
20210122T015646.0001.fits
SecZ=1.04
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.6 20.1 21.1
ALT/AZ=73.7 163.2
fwAVG=2.87
sdW=15.6
fwW=2.77
sdS=47.7
fwS=2.99
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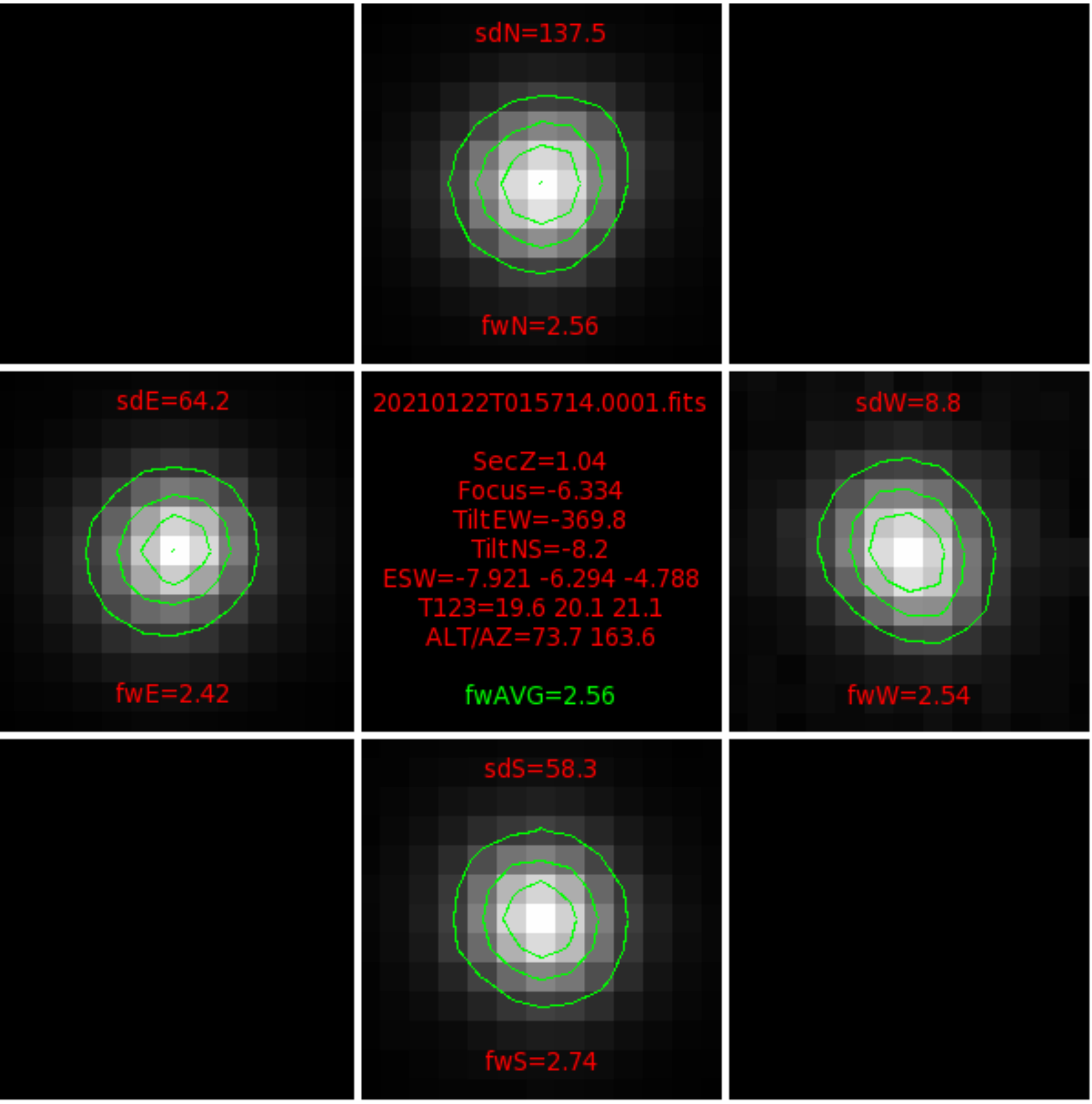
sdN=137.5
fwN=2.56
sdE=64.2
fwE=2.42
20210122T015714.0001.fits
SecZ=1.04
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.6 20.1 21.1
ALT/AZ=73.7 163.6
fwAVG=2.56
sdW=8.8
fwW=2.54
sdS=58.3
fwS=2.74
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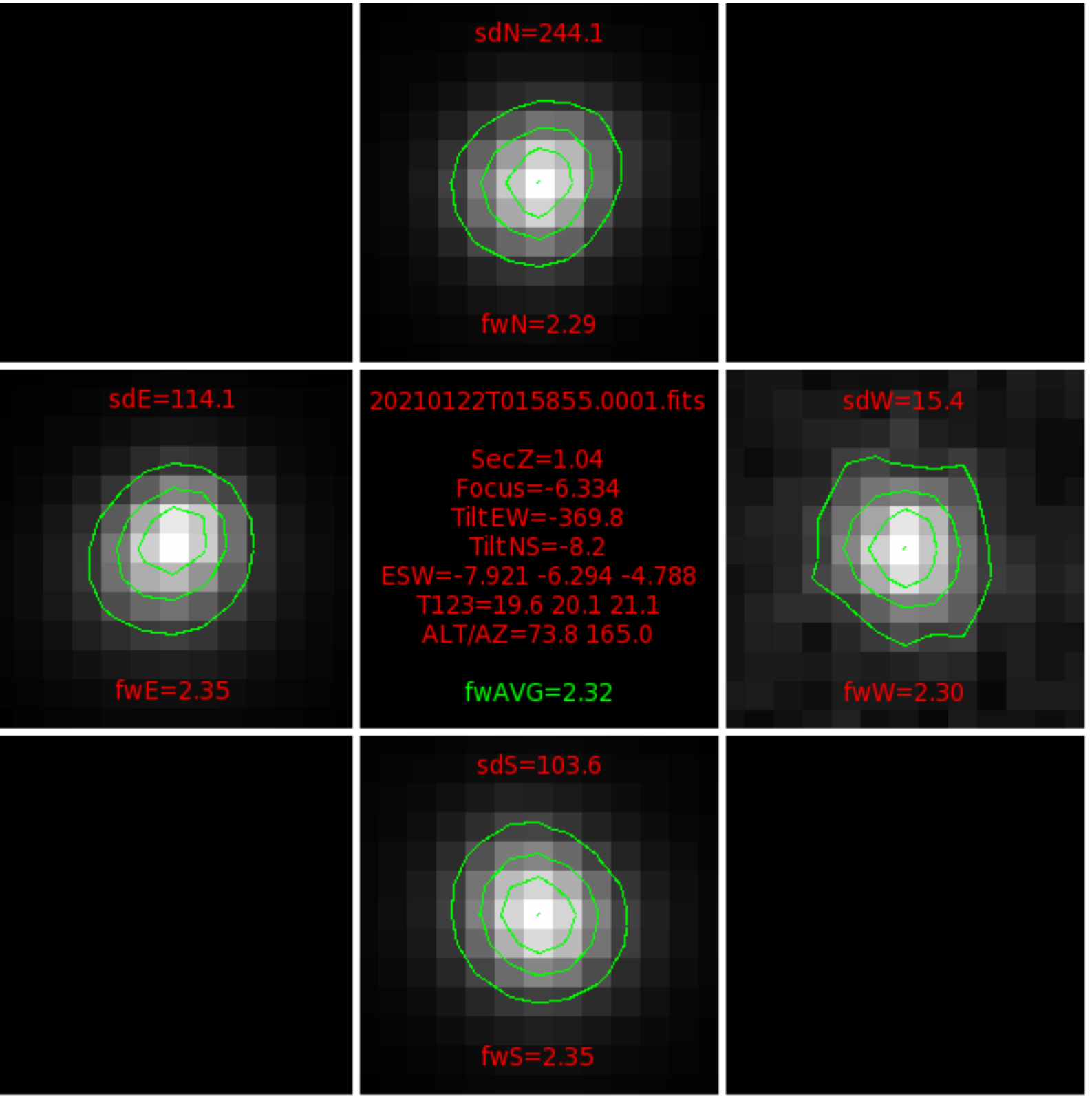
sdN=244.1
fwN=2.29
sdE=114.1
fwE=2.35
20210122T015855.0001.fits
SecZ=1.04
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.6 20.1 21.1
ALT/AZ=73.8 165.0
fwAVG=2.32
sdW=15.4
fwW=2.30
sdS=103.6
fwS=2.35
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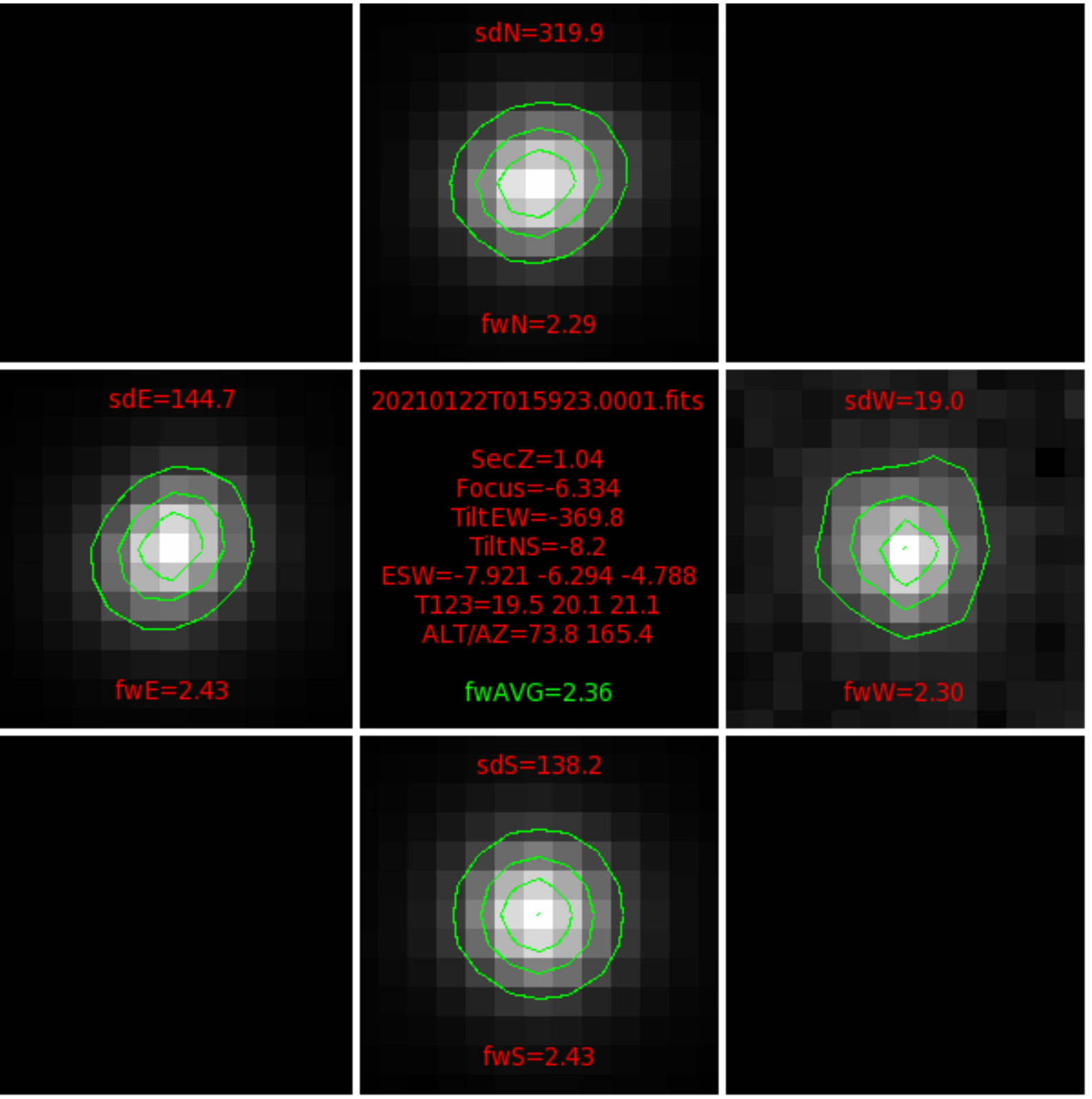
sdN=319.9
fwN=2.29
sdE=144.7
fwE=2.43
20210122T015923.0001.fits
SecZ=1.04
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.5 20.1 21.1
ALT/AZ=73.8 165.4
fwAVG=2.36
sdW=19.0
fwW=2.30
sdS=138.2
fwS=2.43
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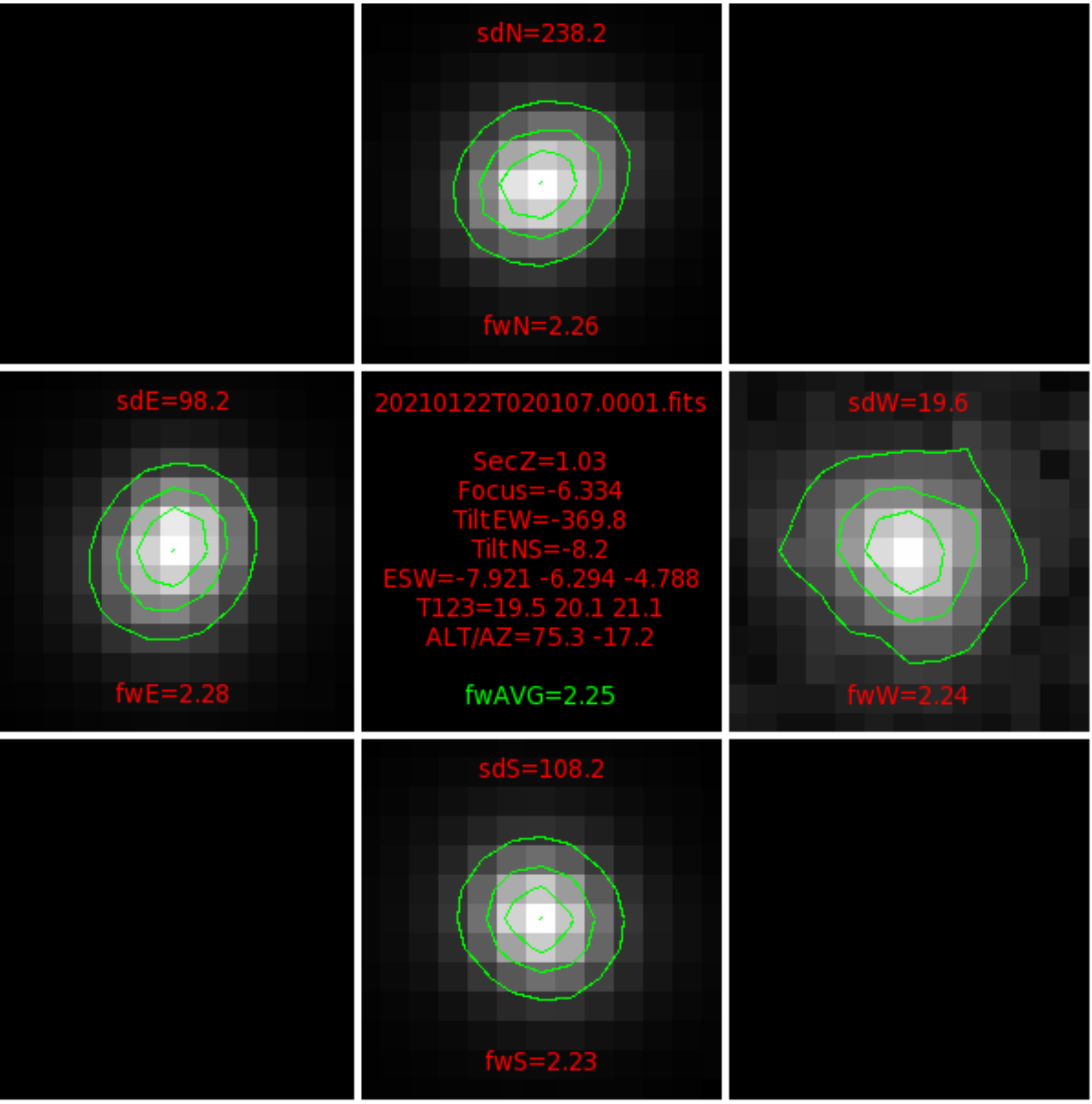
sdN=238.2
fwN=2.26
sdE=98.2
fwE=2.28
20210122T020107.0001.fits
SecZ=1.03
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.5 20.1 21.1
ALT/AZ=75.3 -17.2
fwAVG=2.25
sdW=19.6
fwW=2.24
sdS=108.2
fwS=2.23
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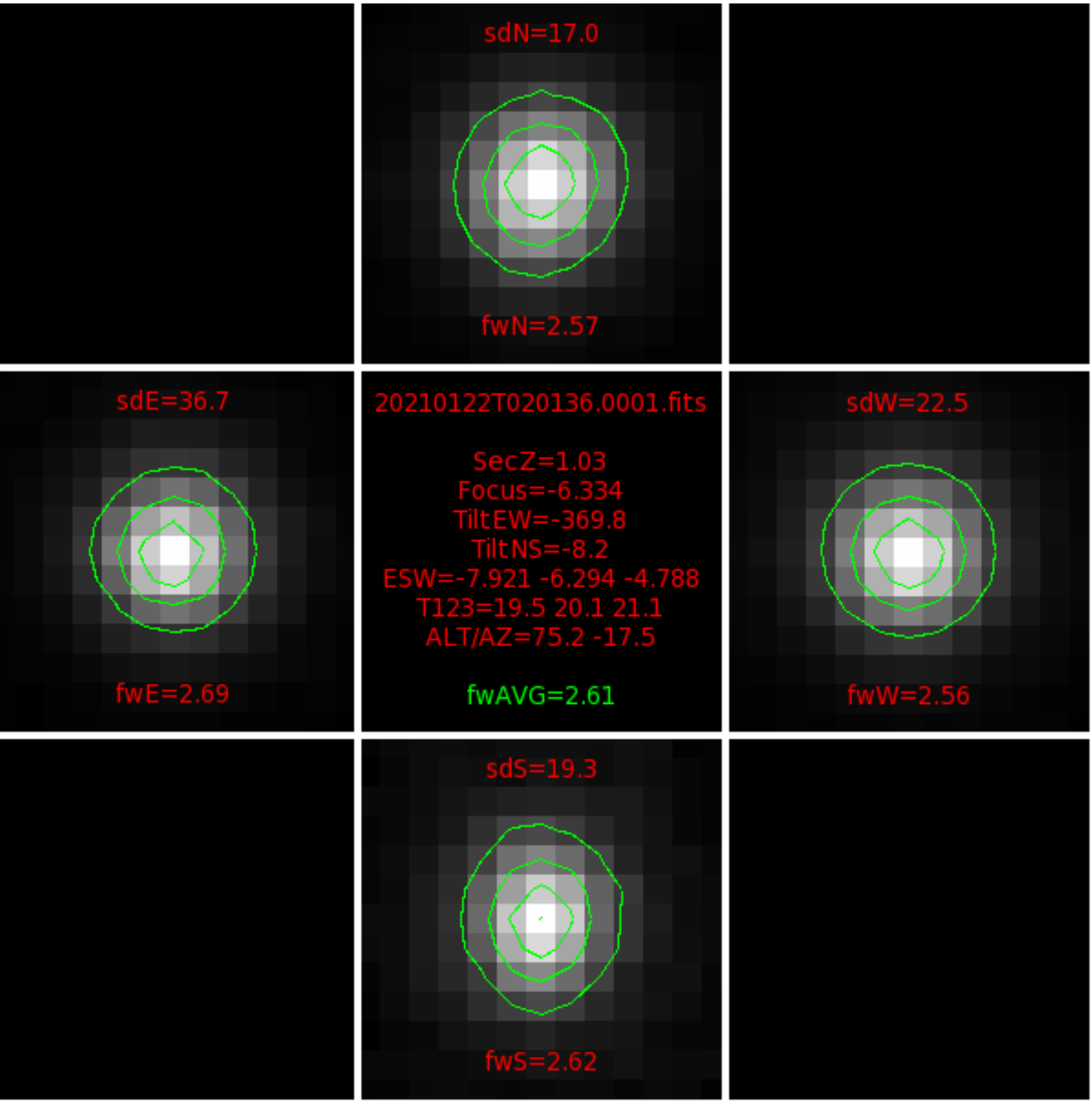
sdN=17.0
fwN=2.57
sdE=36.7
fwE=2.69
20210122T020136.0001.fits
SecZ=1.03
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.5 20.1 21.1
ALT/AZ=75.2 -17.5
fwAVG=2.61
sdW=22.5
fwW=2.56
sdS=19.3
fwS=2.62
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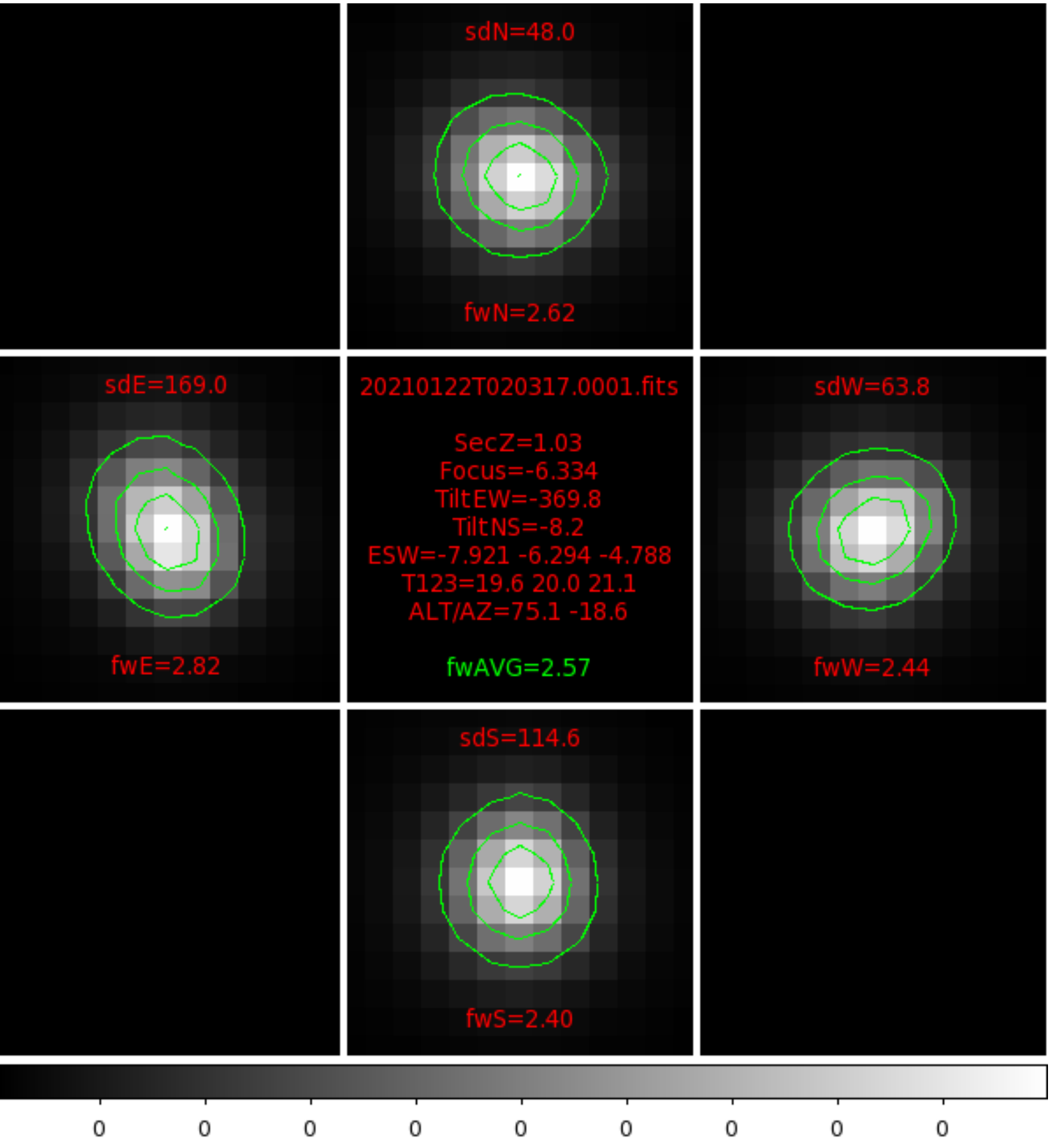
sdN=48.0
fwN=2.62
sdE=169.0
fwE=2.82
20210122T020317.0001.fits
SecZ=1.03
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.6 20.0 21.1
ALT/AZ=75.1 -18.6
fwAVG=2.57
sdW=63.8
fwW=2.44
sdS=114.6
fwS=2.40
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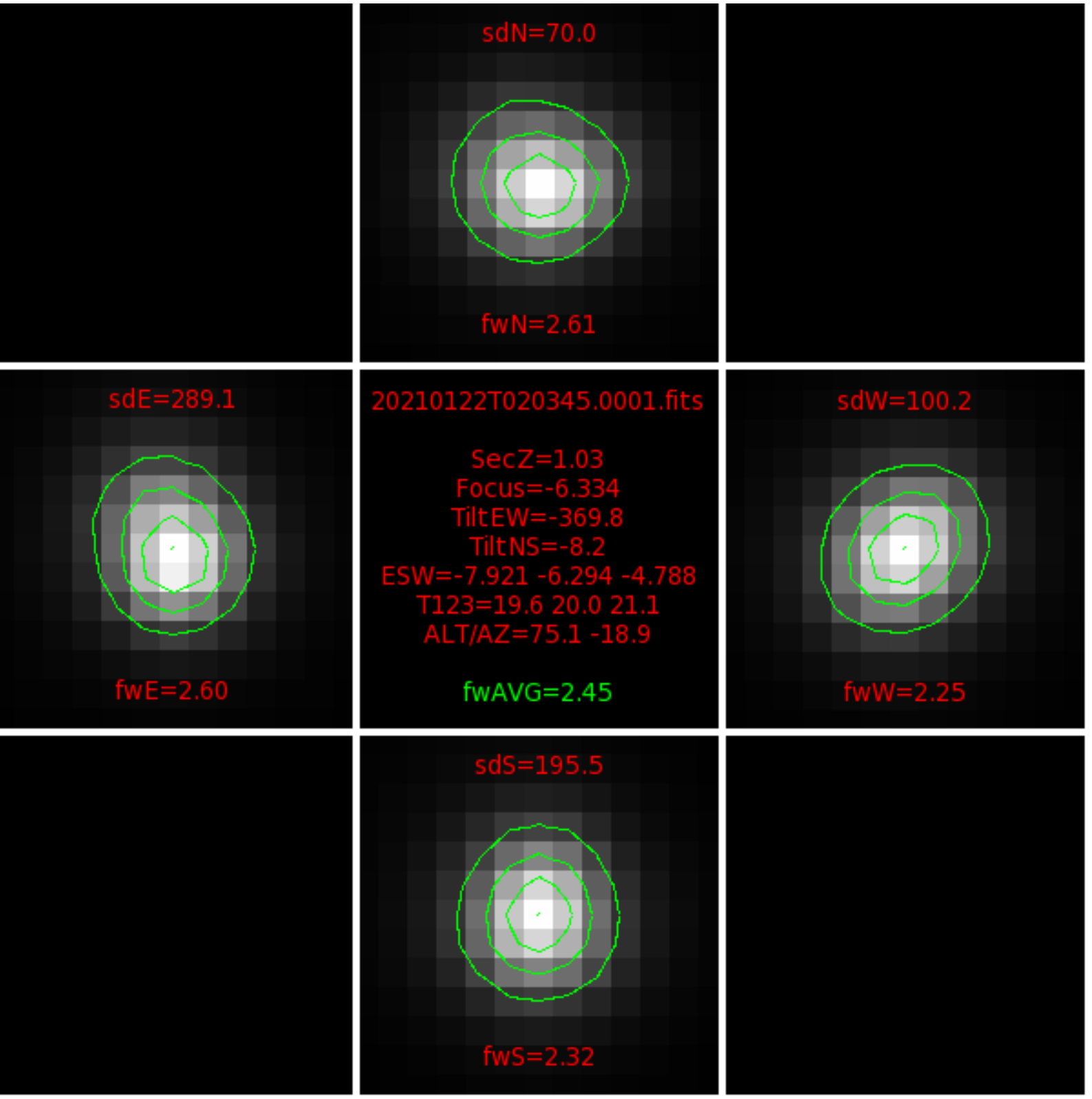
sdN=70.0
fwN=2.61
sdE=289.1
fwE=2.60
20210122T020345.0001.fits
SecZ=1.03
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.6 20.0 21.1
ALT/AZ=75.1 -18.9
fwAVG=2.45
sdW=100.2
fwW=2.25
sdS=195.5
fwS=2.32
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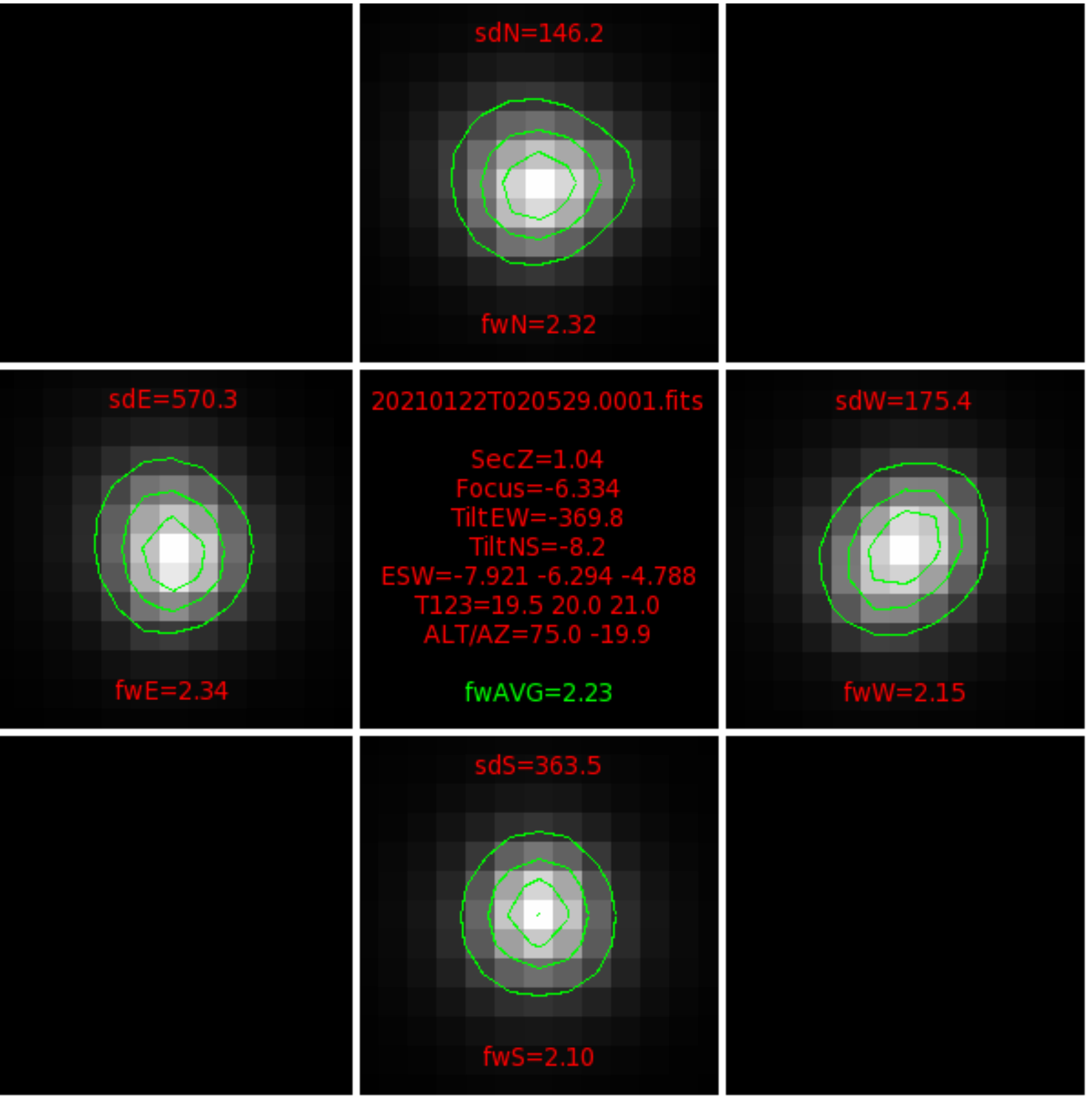
sdN=146.2
fwN=2.32
sdE=570.3
fwE=2.34
20210122T020529.0001.fits
SecZ=1.04
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.5 20.0 21.0
ALT/AZ=75.0 -19.9
fwAVG=2.23
sdW=175.4
fwW=2.15
sdS=363.5
fwS=2.10
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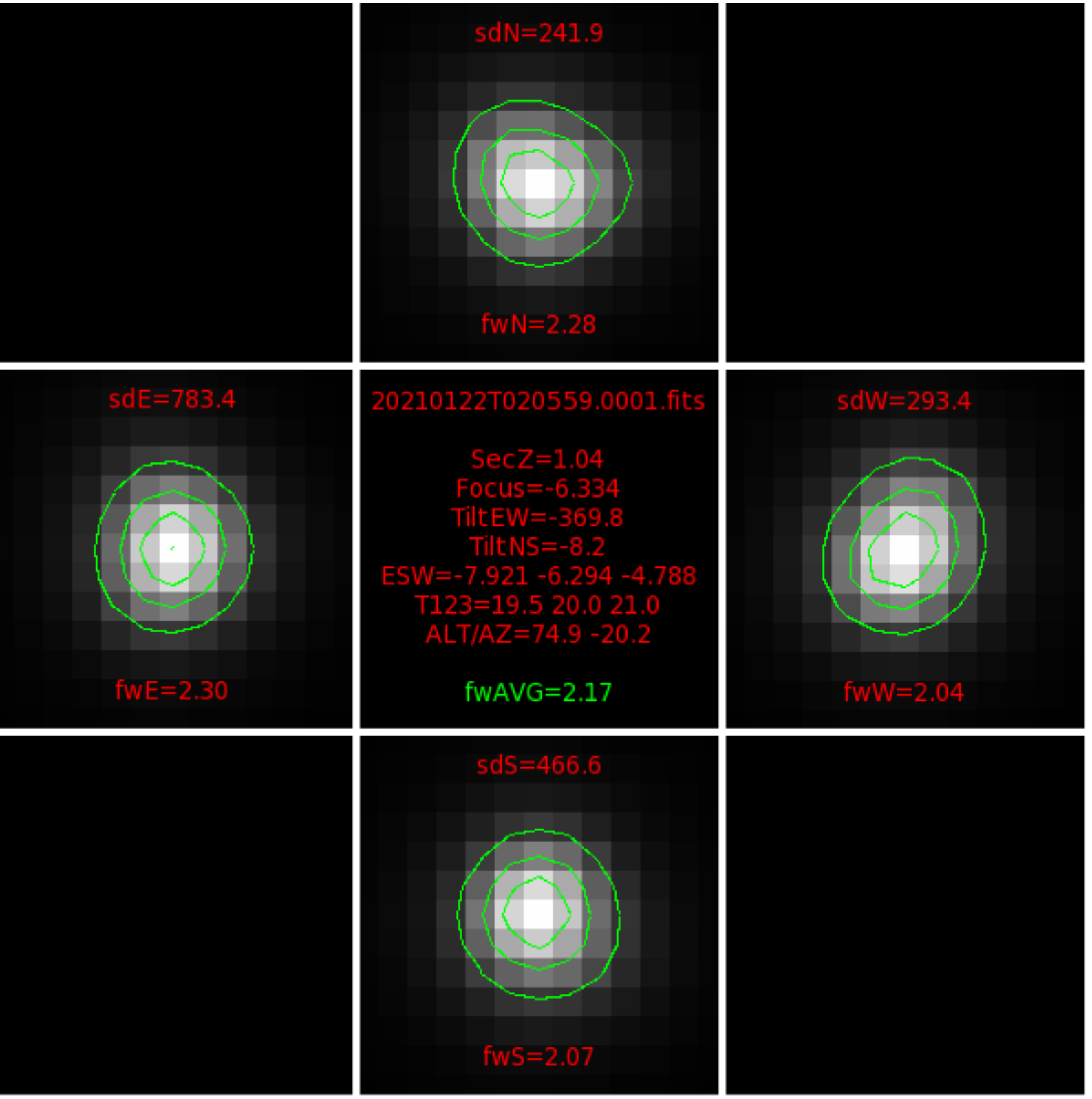
sdN=241.9
fwN=2.28
sdE=783.4
fwE=2.30
20210122T020559.0001.fits
SecZ=1.04
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.5 20.0 21.0
ALT/AZ=74.9 -20.2
fwAVG=2.17
sdW=293.4
fwW=2.04
sdS=466.6
fwS=2.07
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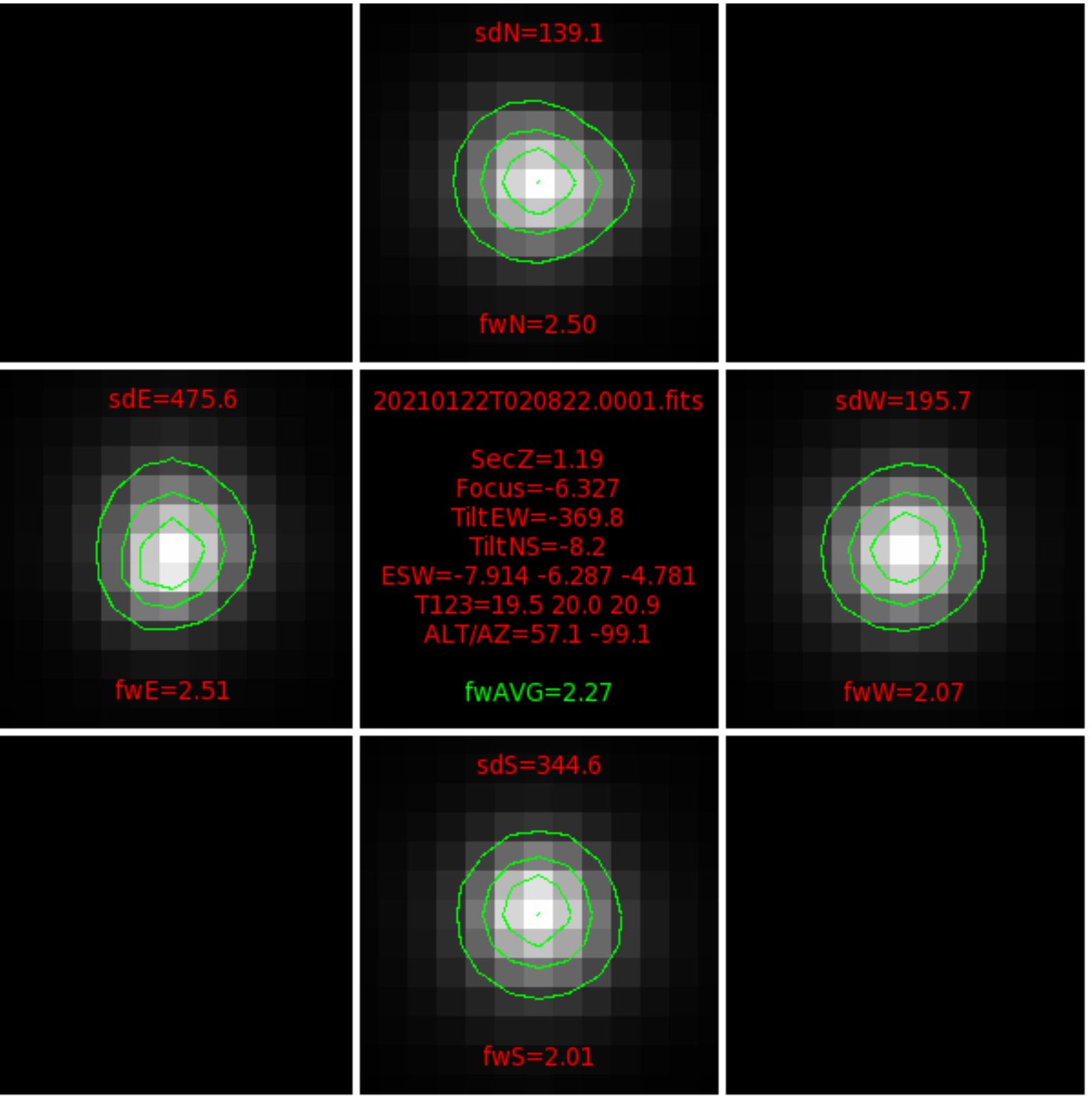
sdN=139.1
fwN=2.50
sdE=475.6
fwE=2.51
20210122T020822.0001.fits
SecZ=1.19
Focus=-6.327
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.914 -6.287 -4.781
T123=19.5 20.0 20.9
ALT/AZ=57.1 -99.1
fwAVG=2.27
sdW=195.7
fwW=2.07
sdS=344.6
fwS=2.01
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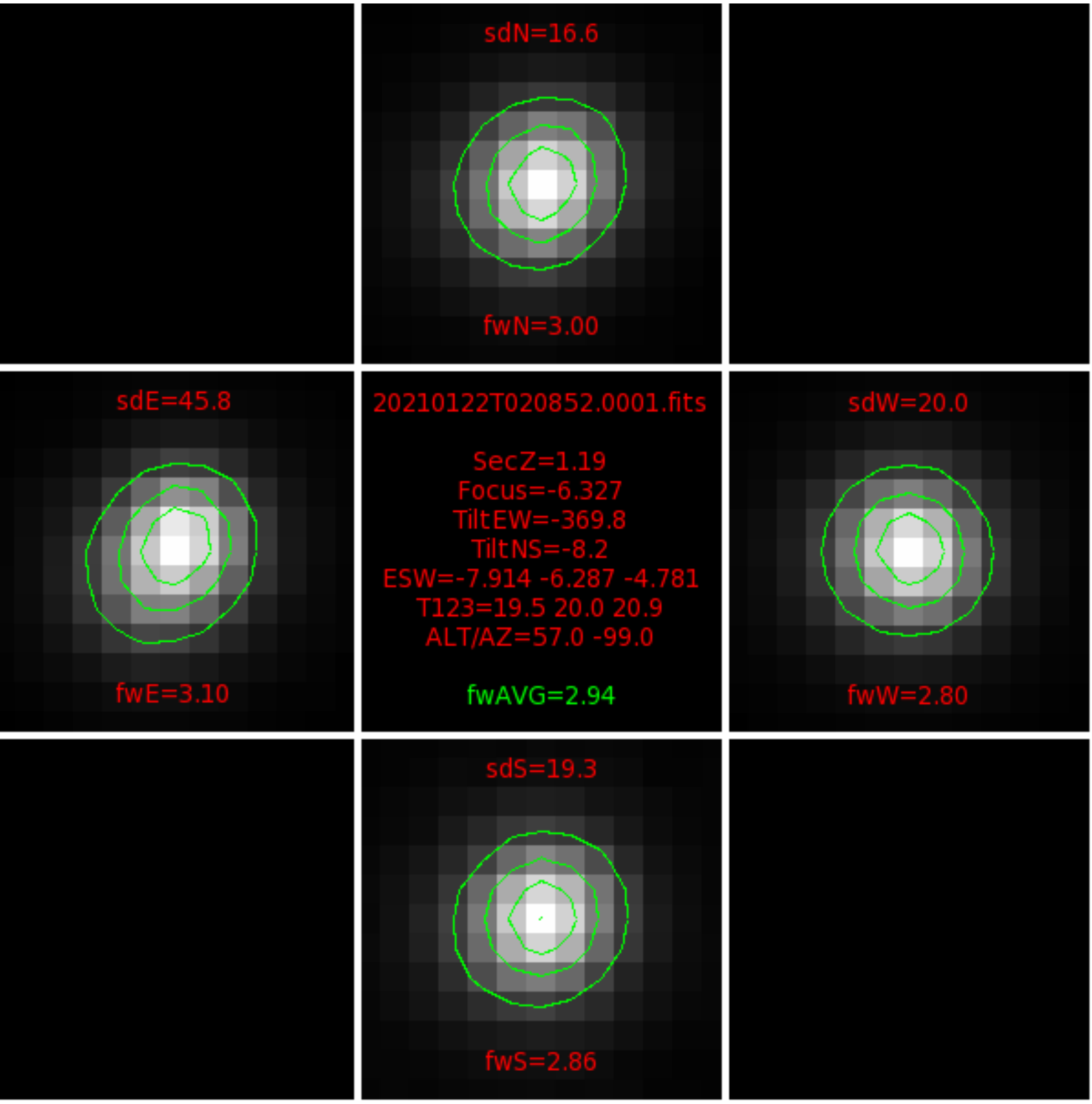
sdN=16.6
fwN=3.00
sdE=45.8
fwE=3.10
20210122T020852.0001.fits
SecZ=1.19
Focus=-6.327
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.914 -6.287 -4.781
T123=19.5 20.0 20.9
ALT/AZ=57.0 -99.0
fwAVG=2.94
sdW=20.0
fwW=2.80
sdS=19.3
fwS=2.86
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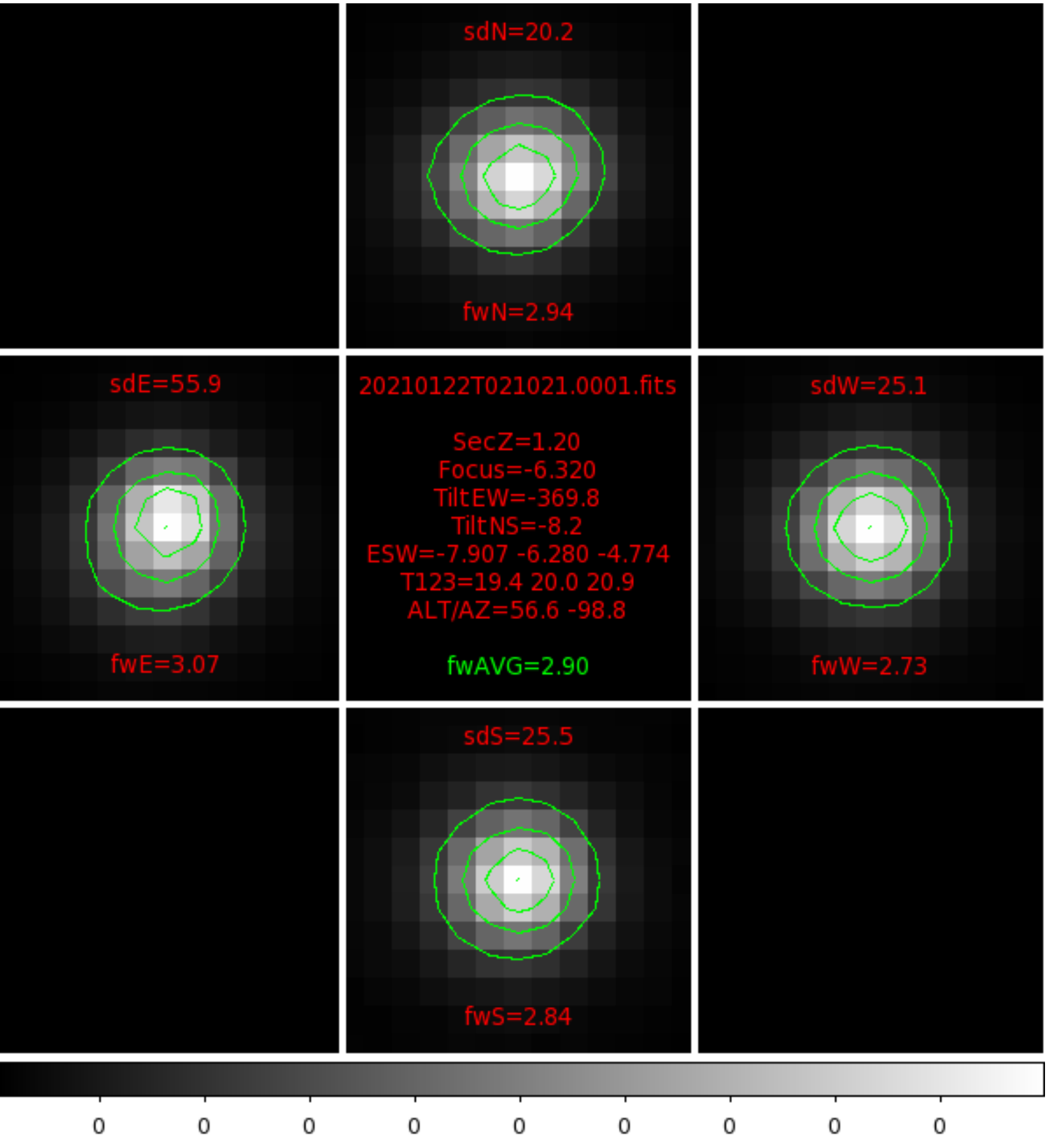
sdN=20.2
fwN=2.94
sdE=55.9
fwE=3.07
20210122T021021.0001.fits
SecZ=1.20
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.4 20.0 20.9
ALT/AZ=56.6 -98.8
fwAVG=2.90
sdW=25.1
fwW=2.73
sdS=25.5
fwS=2.84
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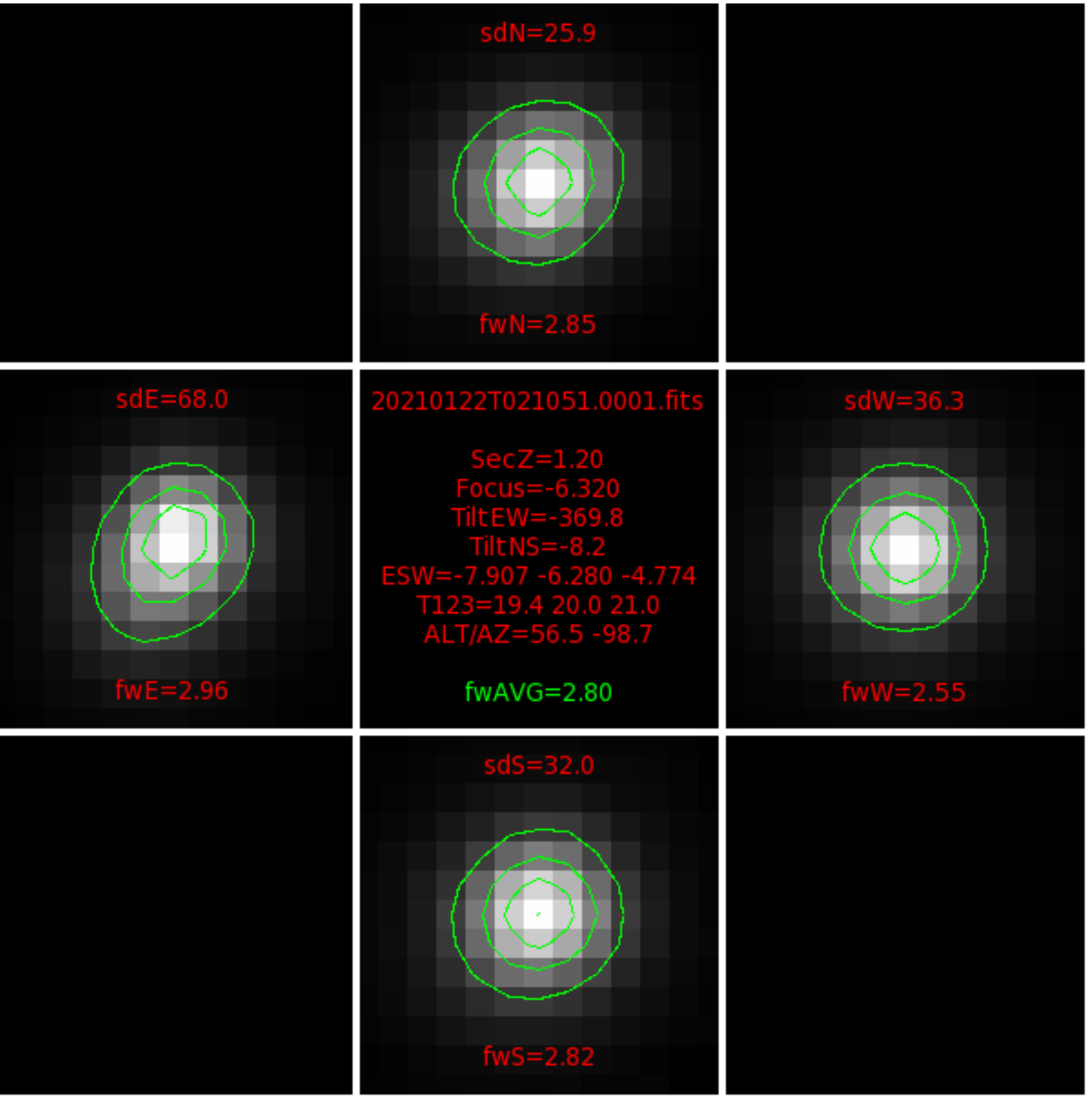
sdN=25.9
fwN=2.85
sdE=68.0
fwE=2.96
20210122T021051.0001.fits
SecZ=1.20
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.4 20.0 21.0
ALT/AZ=56.5 -98.7
fwAVG=2.80
sdW=36.3
fwW=2.55
sdS=32.0
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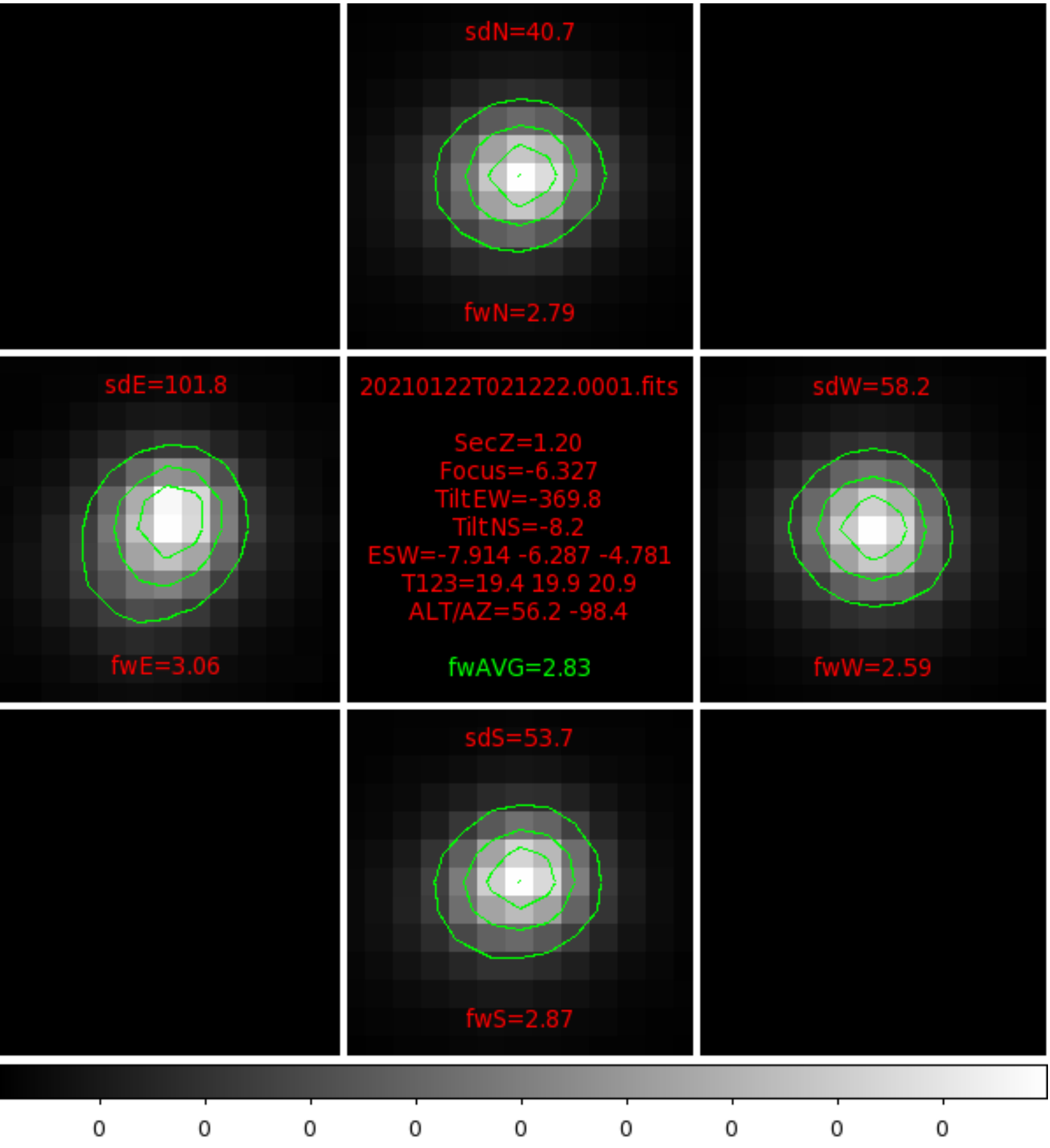
sdN=40.7
fwN=2.79
sdE=101.8
fwE=3.06
20210122T021222.0001.fits
SecZ=1.20
Focus=-6.327
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.914 -6.287 -4.781
T123=19.4 19.9 20.9
ALT/AZ=56.2 -98.4
fwAVG=2.83
sdW=58.2
fwW=2.59
sdS=53.7
fwS=2.87
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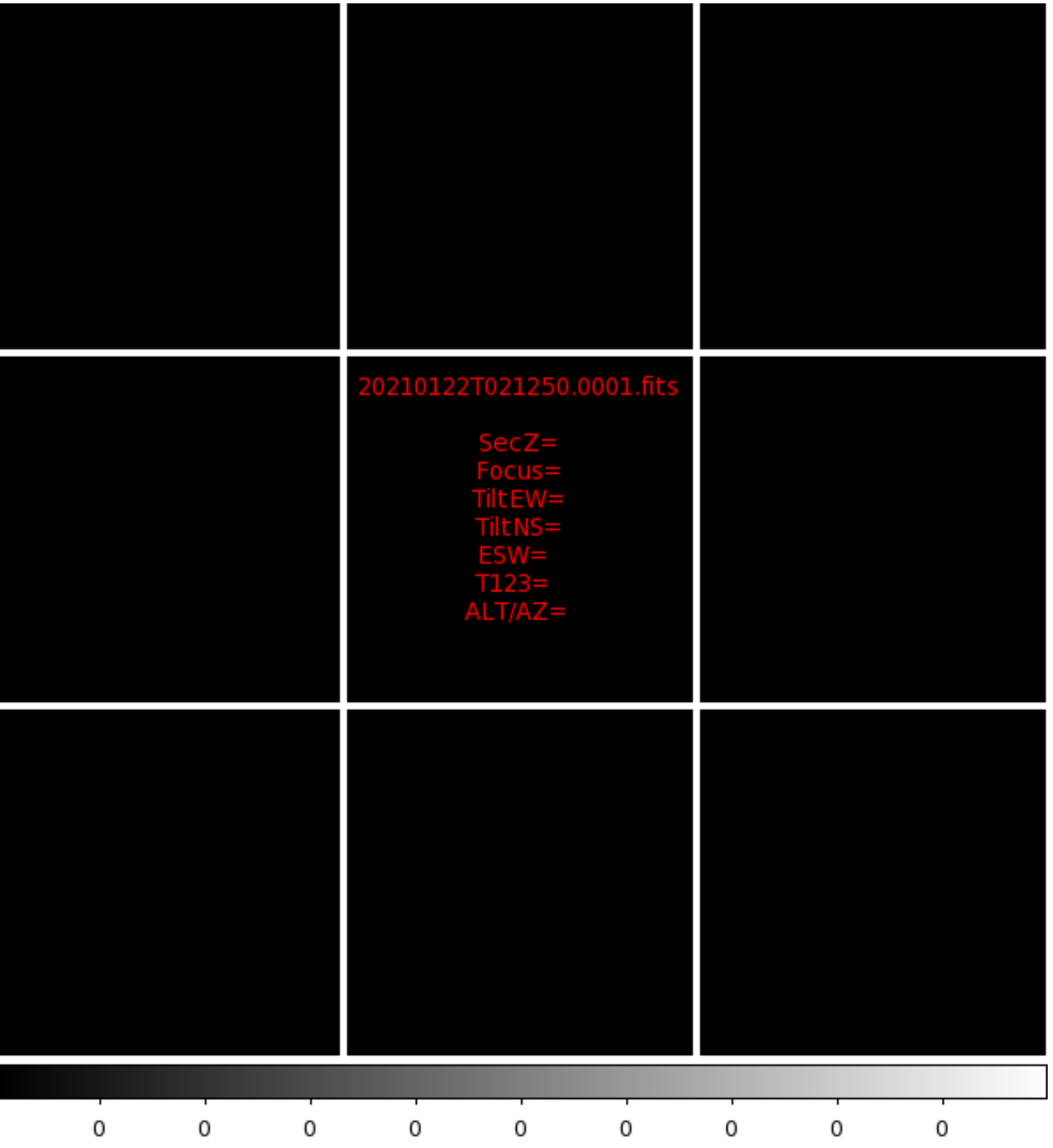
20210122T021250.0001.fits
SecZ=
Focus=
TiltEW=
TiltNS=
ESW=
T123=
ALT/AZ=

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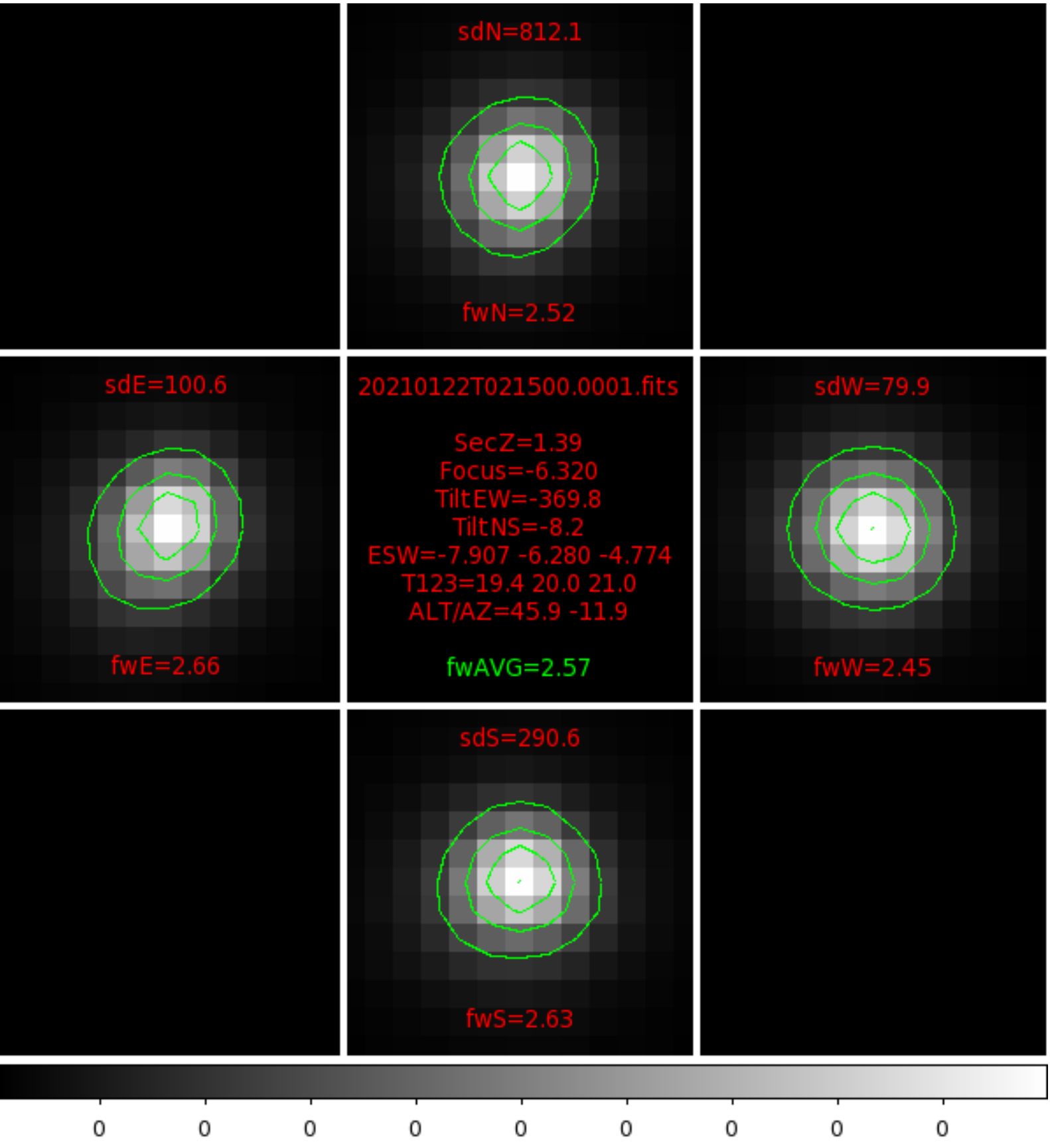
sdN=812.1
fwN=2.52
sdE=100.6
fwE=2.66
20210122T021500.0001.fits
SecZ=1.39
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.4 20.0 21.0
ALT/AZ=45.9 -11.9
fwAVG=2.57
sdW=79.9
fwW=2.45
sdS=290.6
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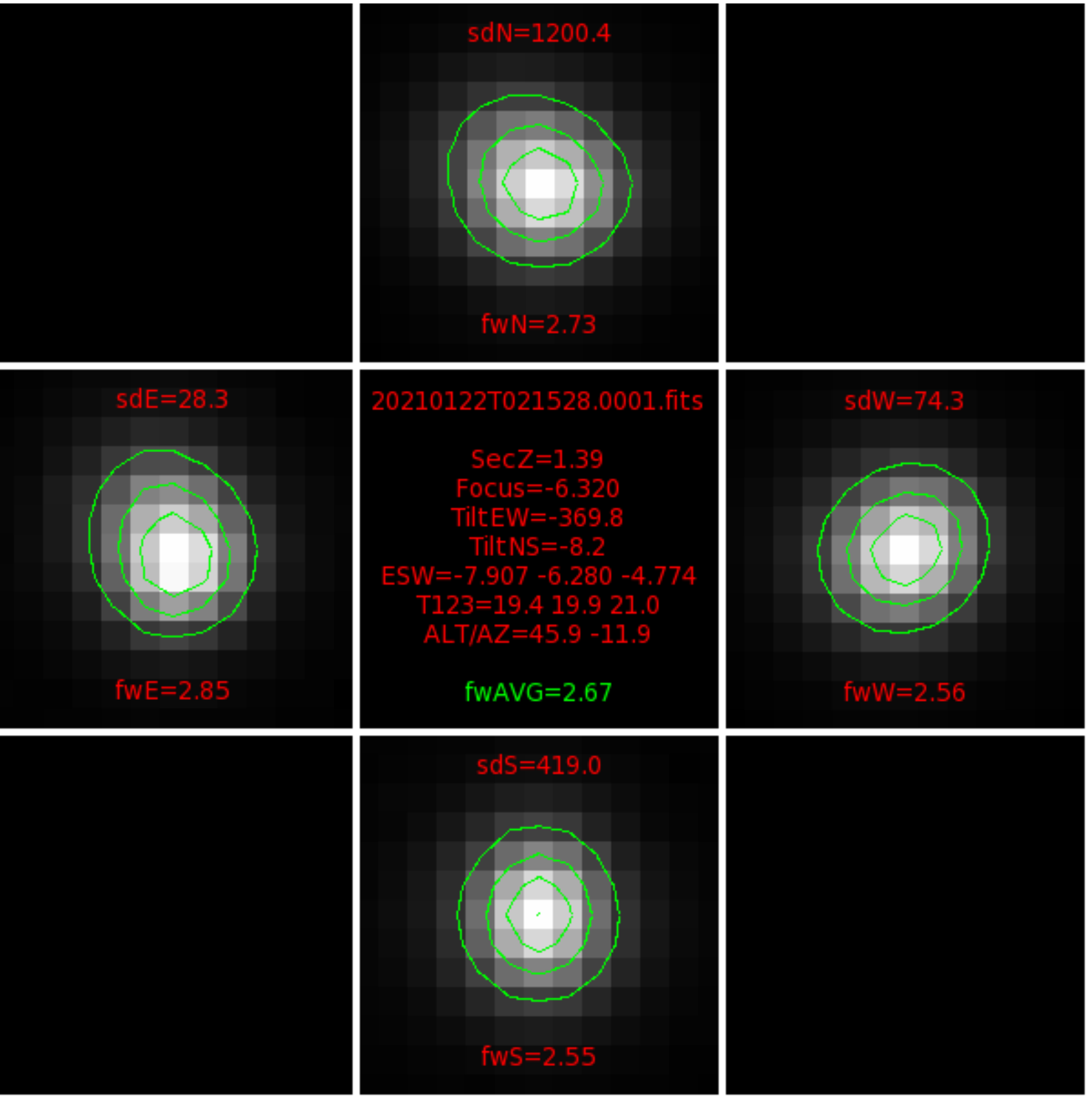
sdN=1200.4
fwN=2.73
sdE=28.3
fwE=2.85
20210122T021528.0001.fits
SecZ=1.39
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.4 19.9 21.0
ALT/AZ=45.9 -11.9
fwAVG=2.67
sdW=74.3
fwW=2.56
sdS=419.0
fwS=2.55
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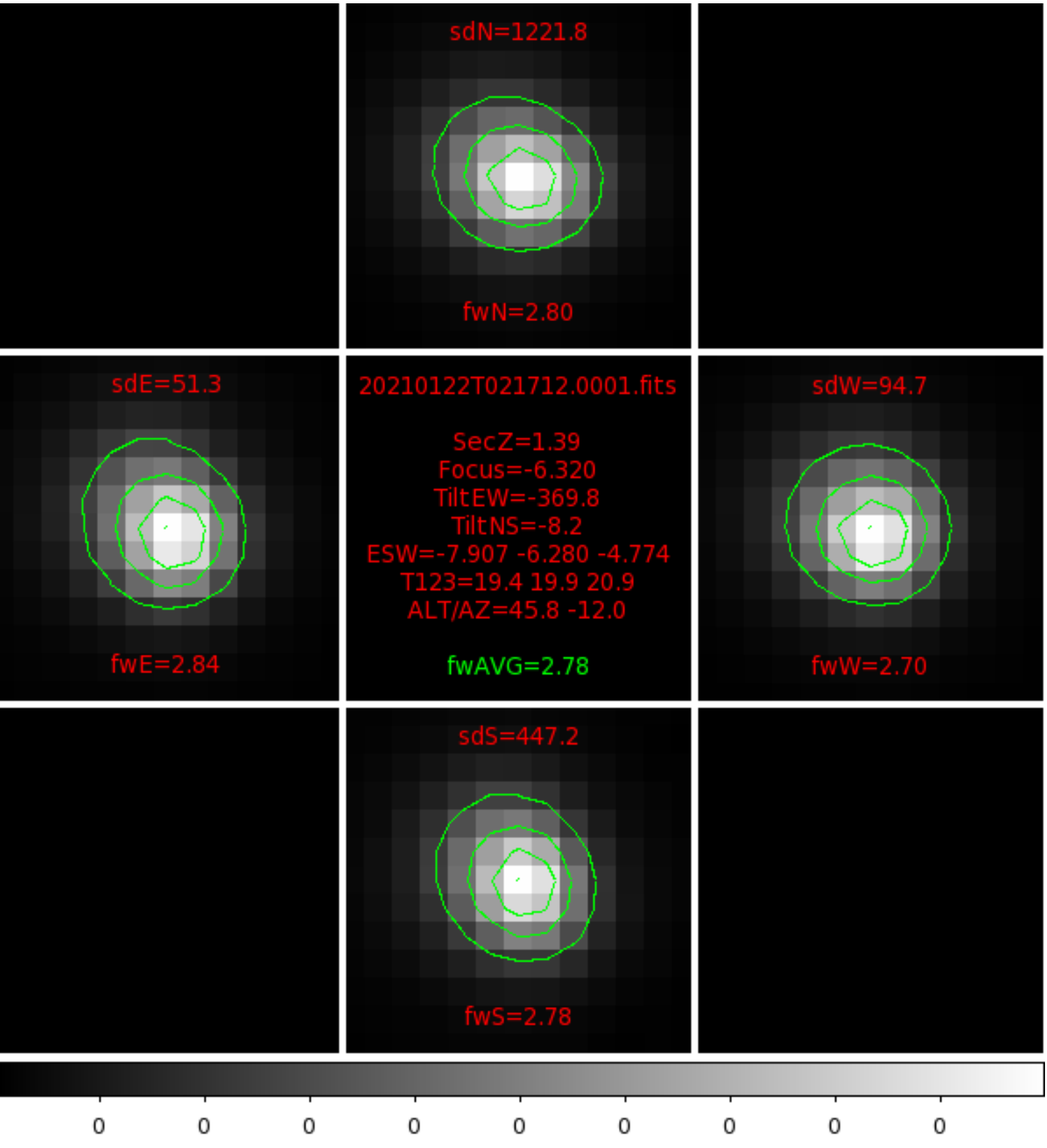
sdN=1221.8
fwN=2.80
sdE=51.3
fwE=2.84
20210122T021712.0001.fits
SecZ=1.39
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.4 19.9 20.9
ALT/AZ=45.8 -12.0
fwAVG=2.78
sdW=94.7
fwW=2.70
sdS=447.2
fwS=2.78
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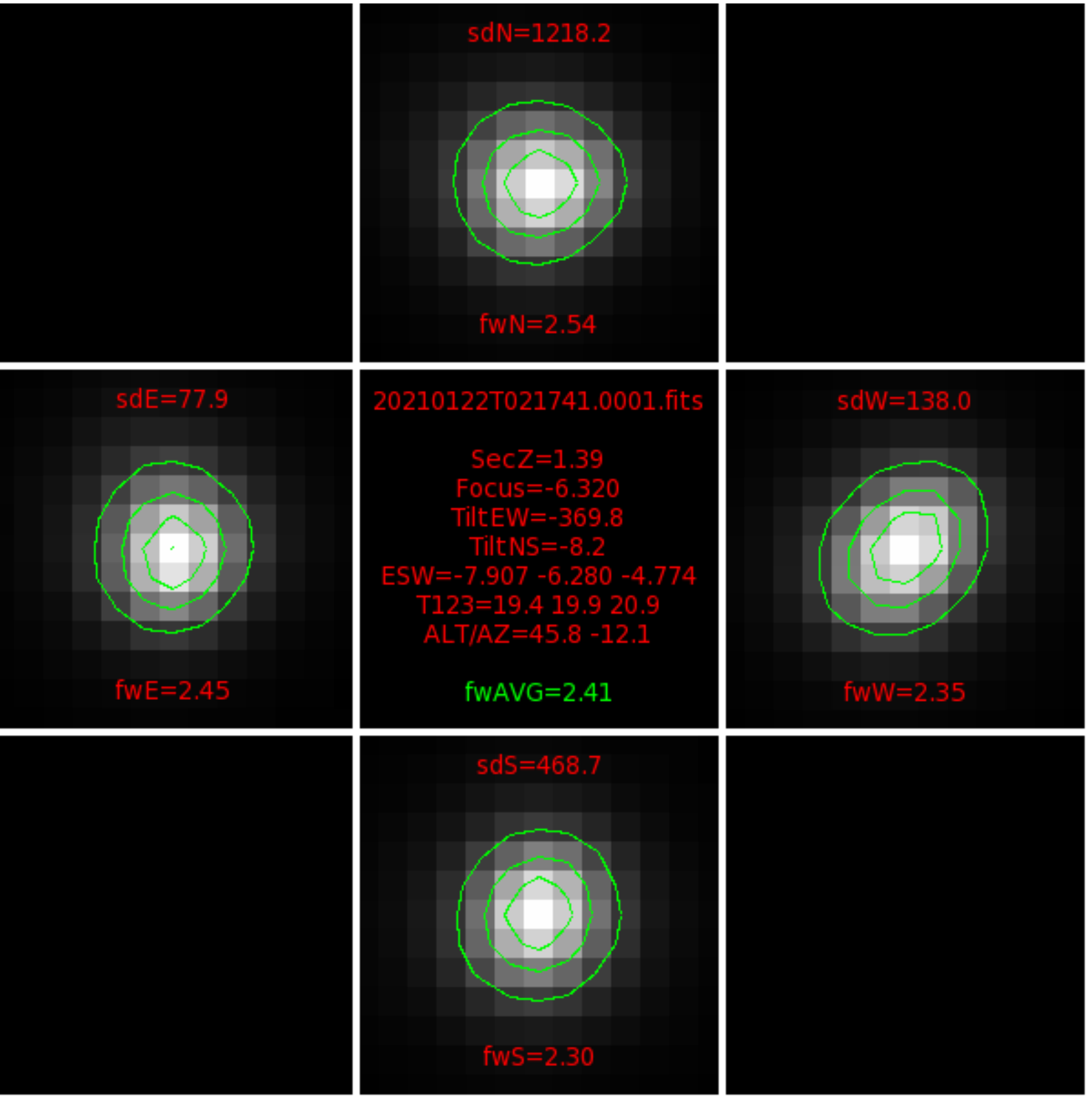
sdN=1218.2
fwN=2.54
sdE=77.9
fwE=2.45
20210122T021741.0001.fits
SecZ=1.39
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.4 19.9 20.9
ALT/AZ=45.8 -12.1
fwAVG=2.41
sdW=138.0
fwW=2.35
sdS=468.7
fwS=2.30
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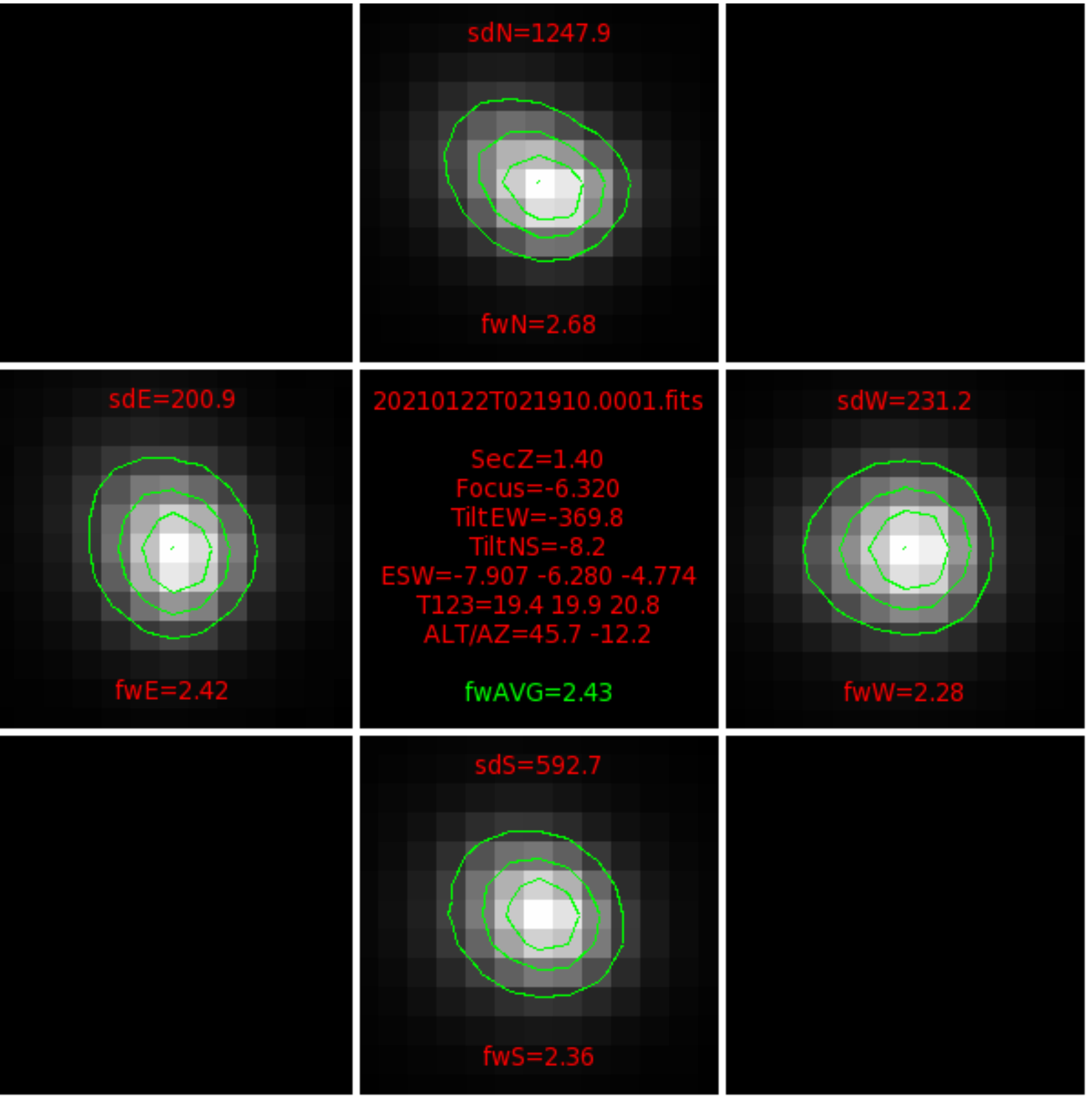
sdN=1247.9
fwN=2.68
sdE=200.9
fwE=2.42
20210122T021910.0001.fits
SecZ=1.40
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.4 19.9 20.8
ALT/AZ=45.7 -12.2
fwAVG=2.43
sdW=231.2
fwW=2.28
sdS=592.7
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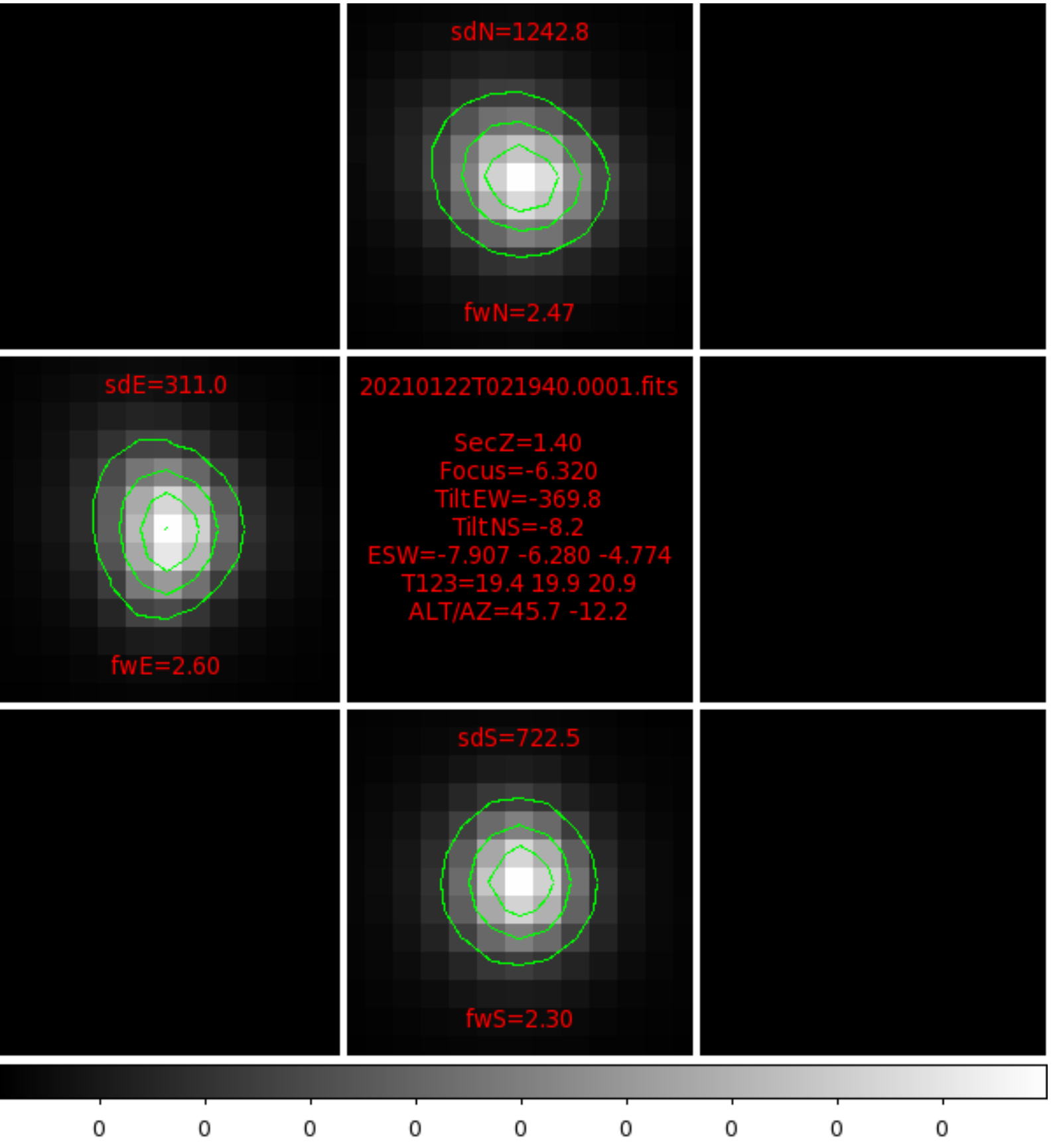
sdN=1242.8
fwN=2.47
sdE=311.0
fwE=2.60
20210122T021940.0001.fits
SecZ=1.40
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.4 19.9 20.9
ALT/AZ=45.7 -12.2
sdS=722.5
fwS=2.30
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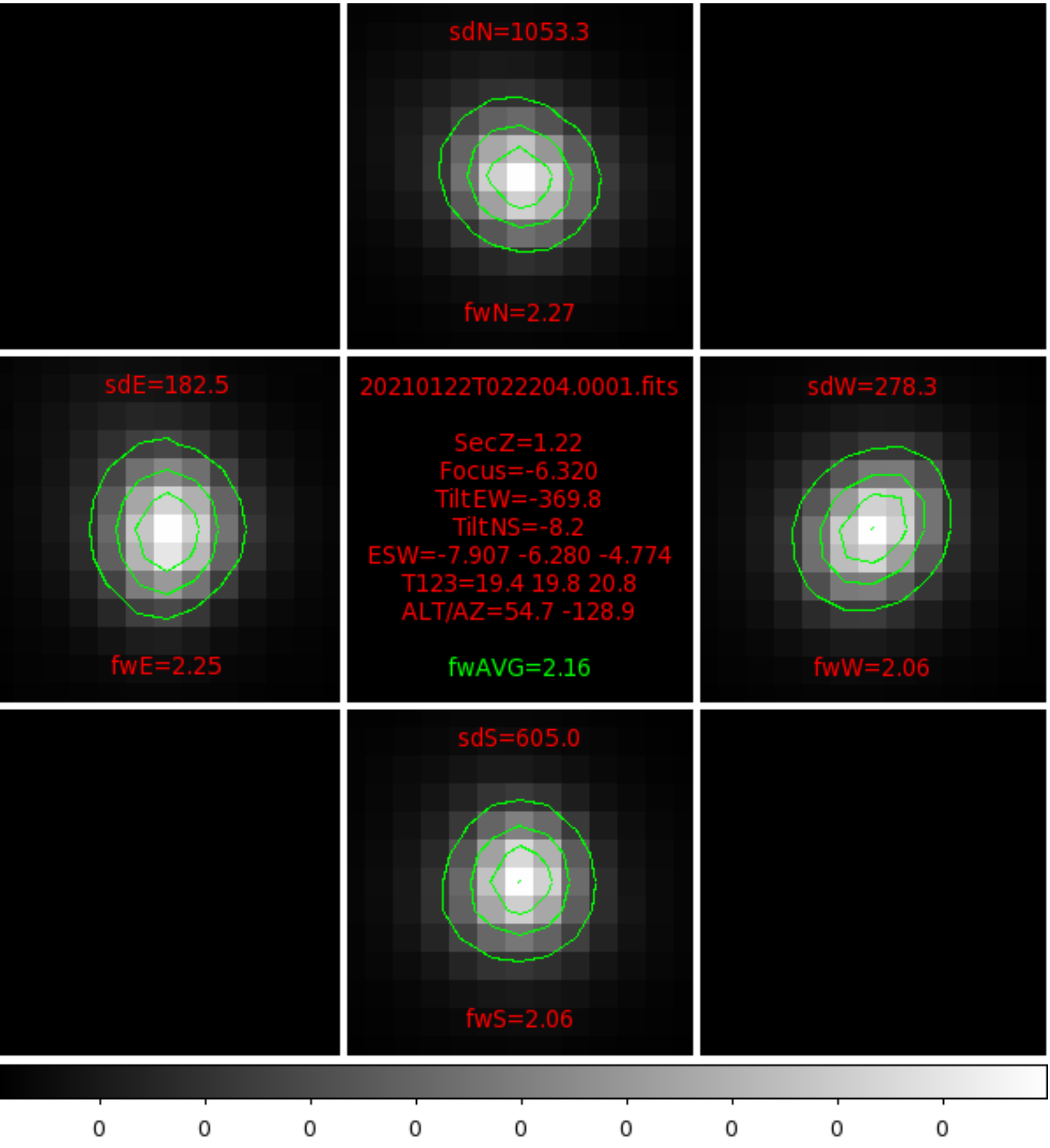
sdN=1053.3
fwN=2.27
sdE=182.5
fwE=2.25
20210122T022204.0001.fits
SecZ=1.22
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.4 19.8 20.8
ALT/AZ=54.7 -128.9
fwAVG=2.16
sdW=278.3
fwW=2.06
sdS=605.0
fwS=2.06
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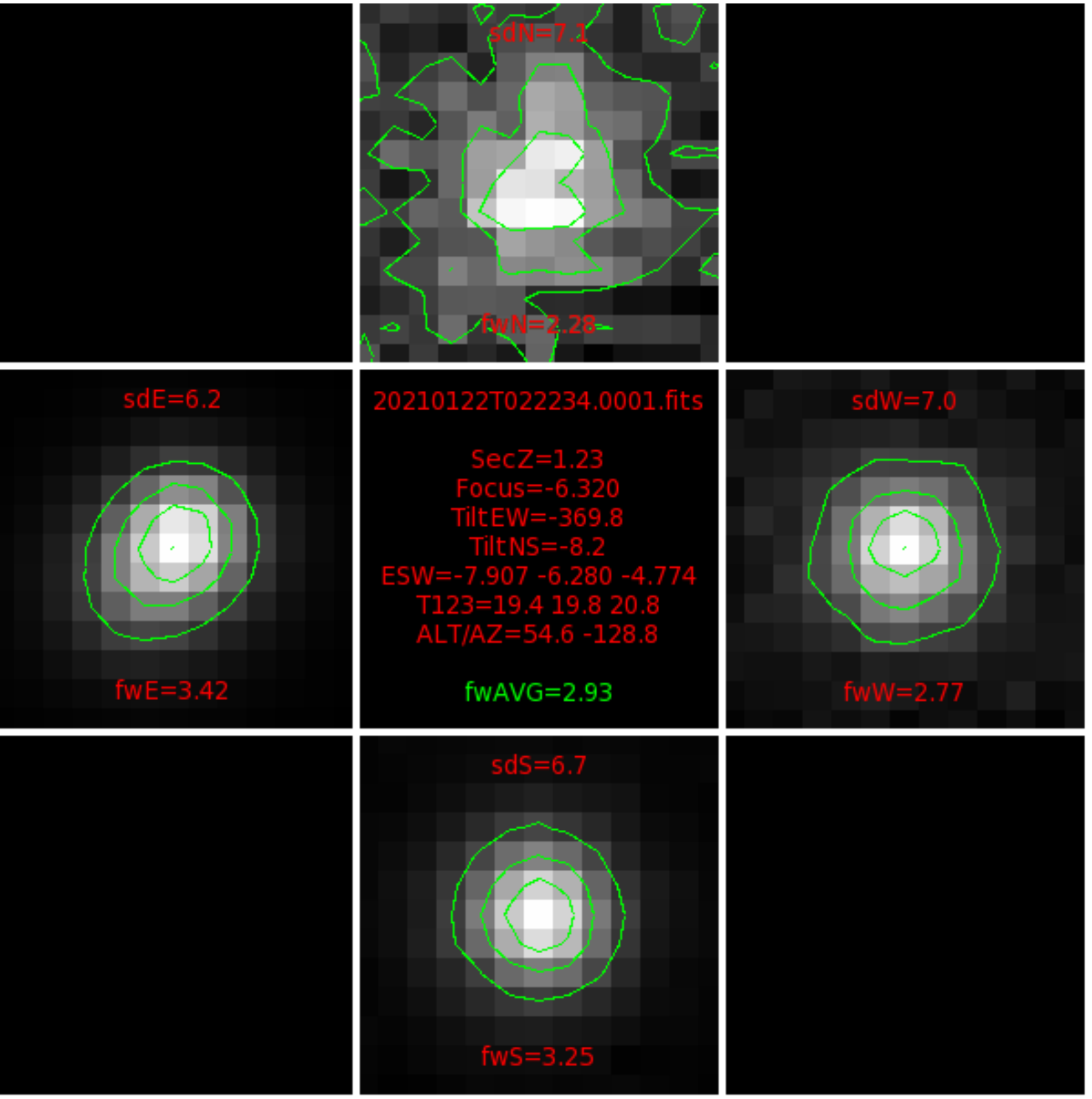
sdN=7.1
fwN=2.28
sdE=6.2
fwE=3.42
20210122T022234.0001.fits
SecZ=1.23
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.4 19.8 20.8
ALT/AZ=54.6 -128.8
fwAVG=2.93
sdW=7.0
fwW=2.77
sdS=6.7
fwS=3.25
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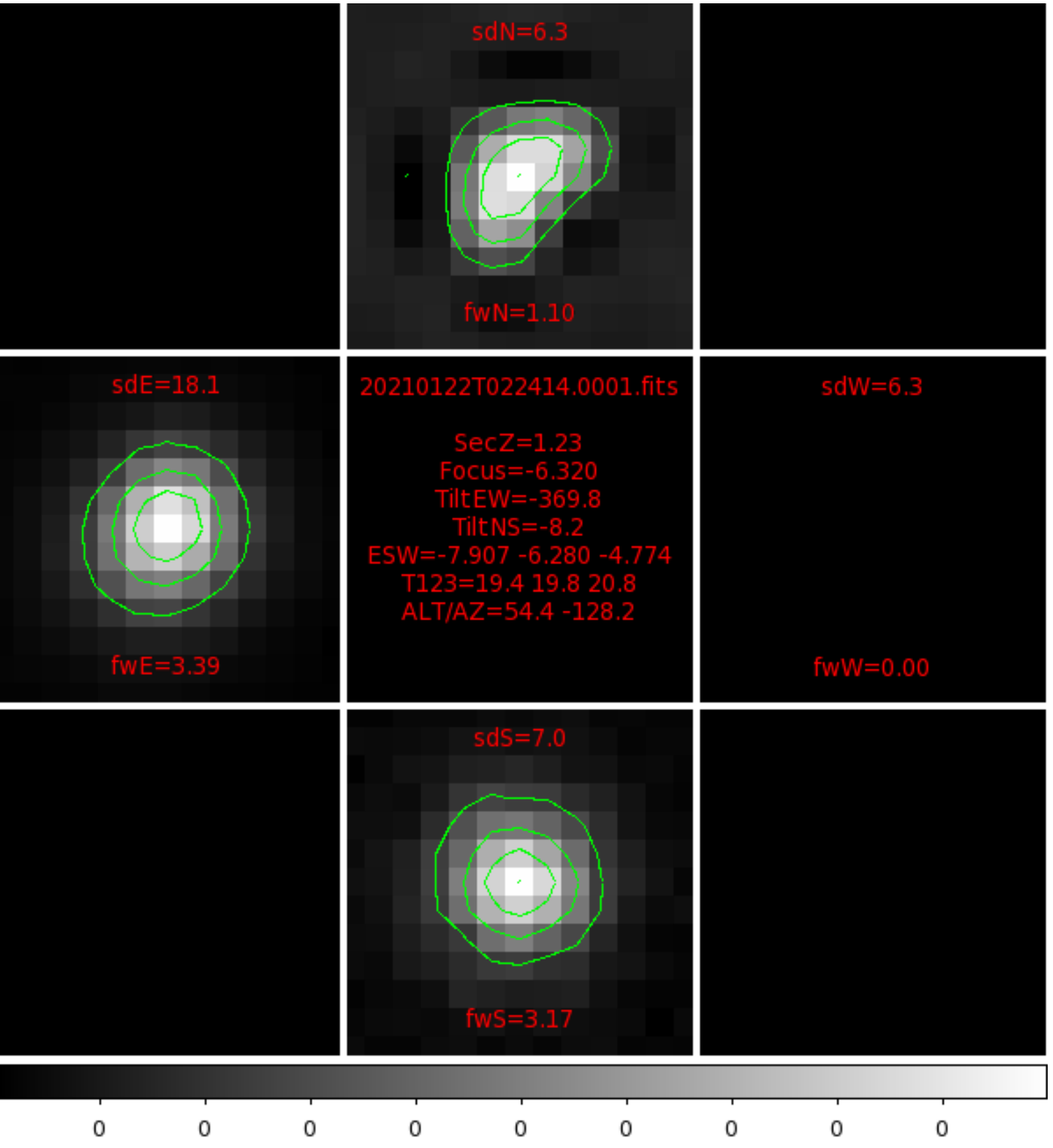
sdN=6.3
fwN=1.10
sdE=18.1
fwE=3.39
20210122T022414.0001.fits
SecZ=1.23
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.4 19.8 20.8
ALT/AZ=54.4 -128.2
sdW=6.3
fwW=0.00
sdS=7.0
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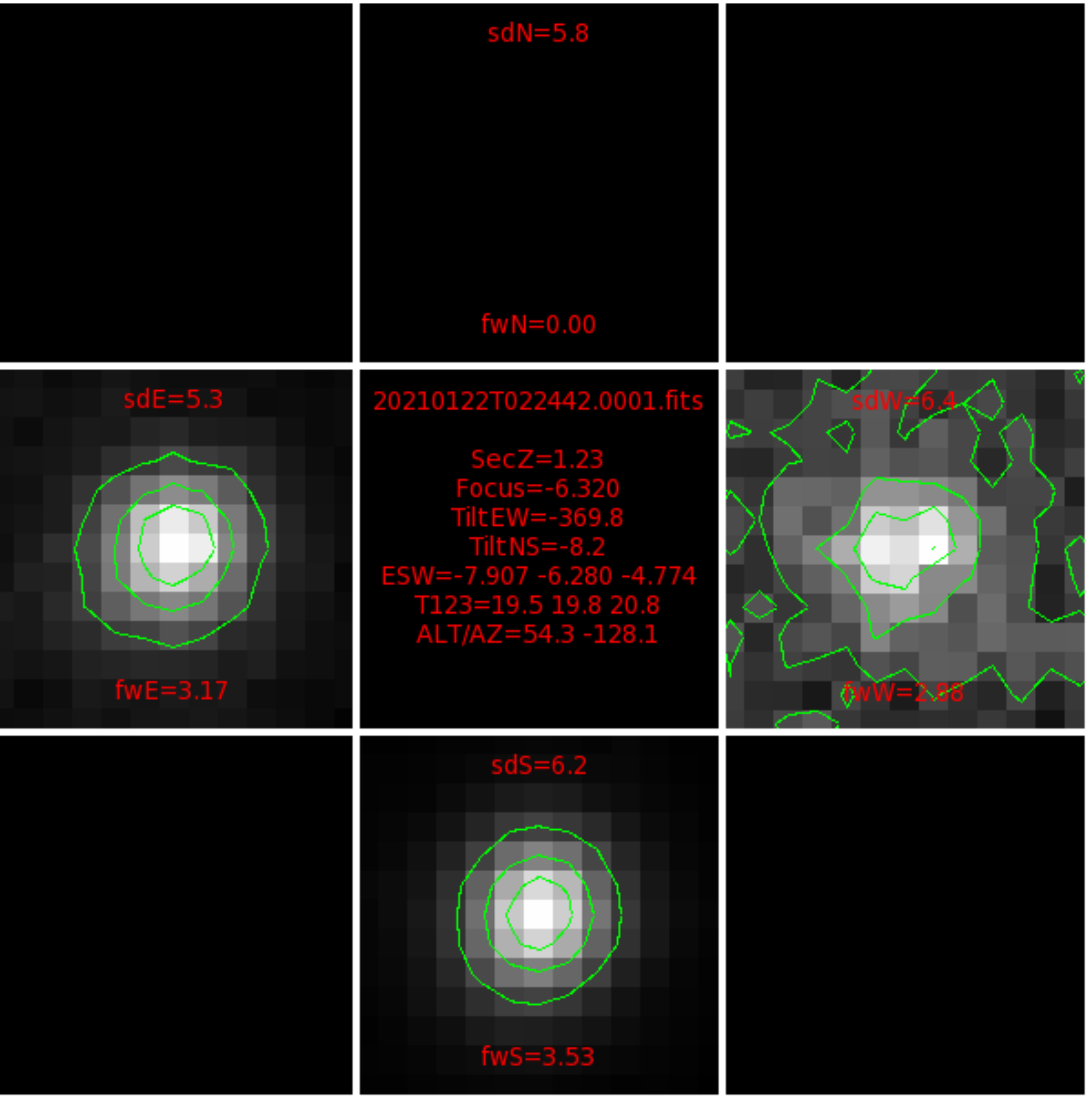
sdN=5.8
fwN=0.00
sdE=5.3
fwE=3.17
20210122T022442.0001.fits
SecZ=1.23
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.5 19.8 20.8
ALT/AZ=54.3 -128.1
sdW=6.4
fwW=2.88
sdS=6.2
fwS=3.53
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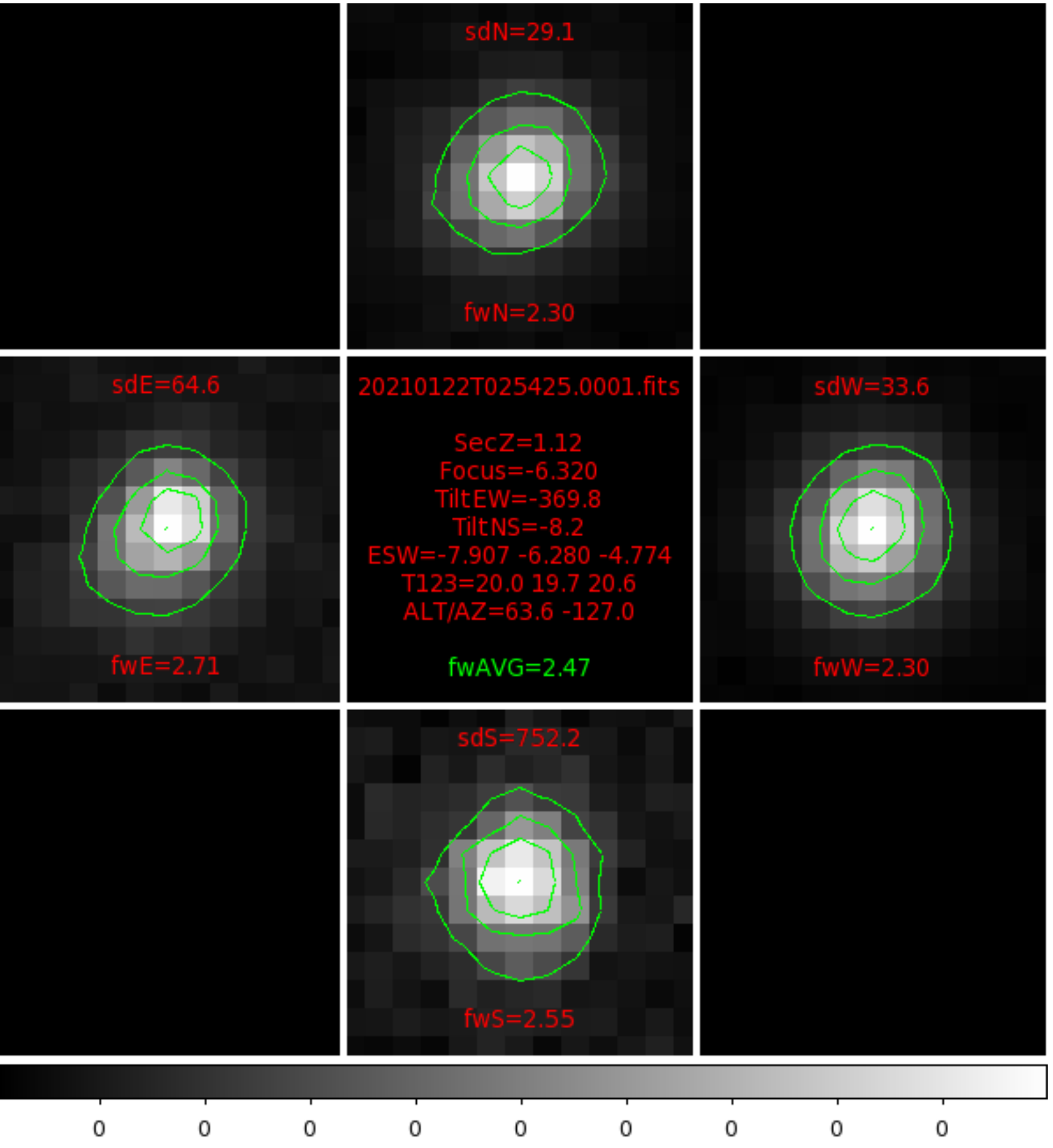
sdN=29.1
fwN=2.30
sdE=64.6
fwE=2.71
20210122T025425.0001.fits
SecZ=1.12
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=20.0 19.7 20.6
ALT/AZ=63.6 -127.0
fwAVG=2.47
sdW=33.6
fwW=2.30
sdS=752.2
fwS=2.55
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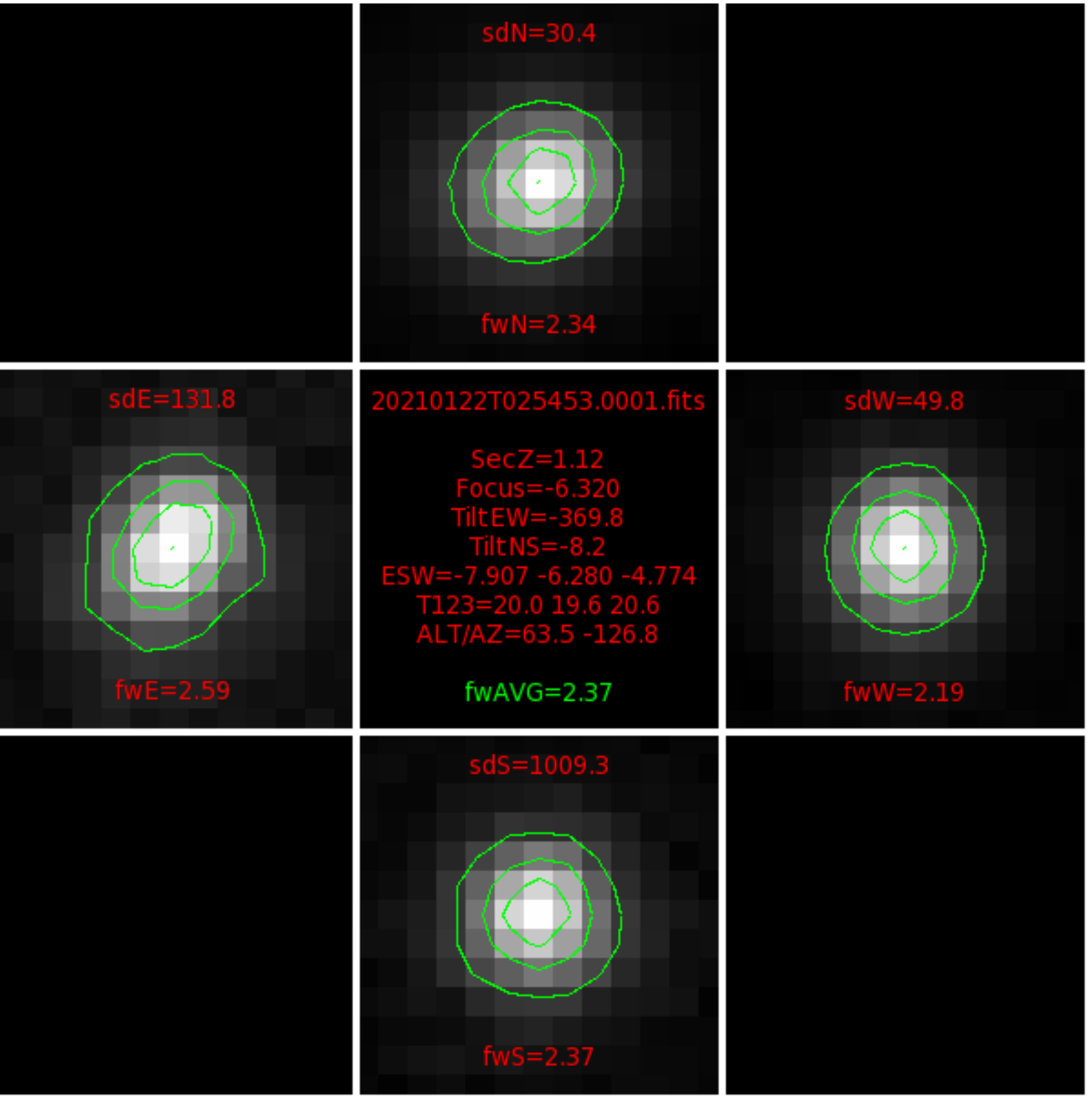
sdN=30.4
fwN=2.34
sdE=131.8
fwE=2.59
20210122T025453.0001.fits
SecZ=1.12
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=20.0 19.6 20.6
ALT/AZ=63.5 -126.8
fwAVG=2.37
sdW=49.8
fwW=2.19
sdS=1009.3
fwS=2.37
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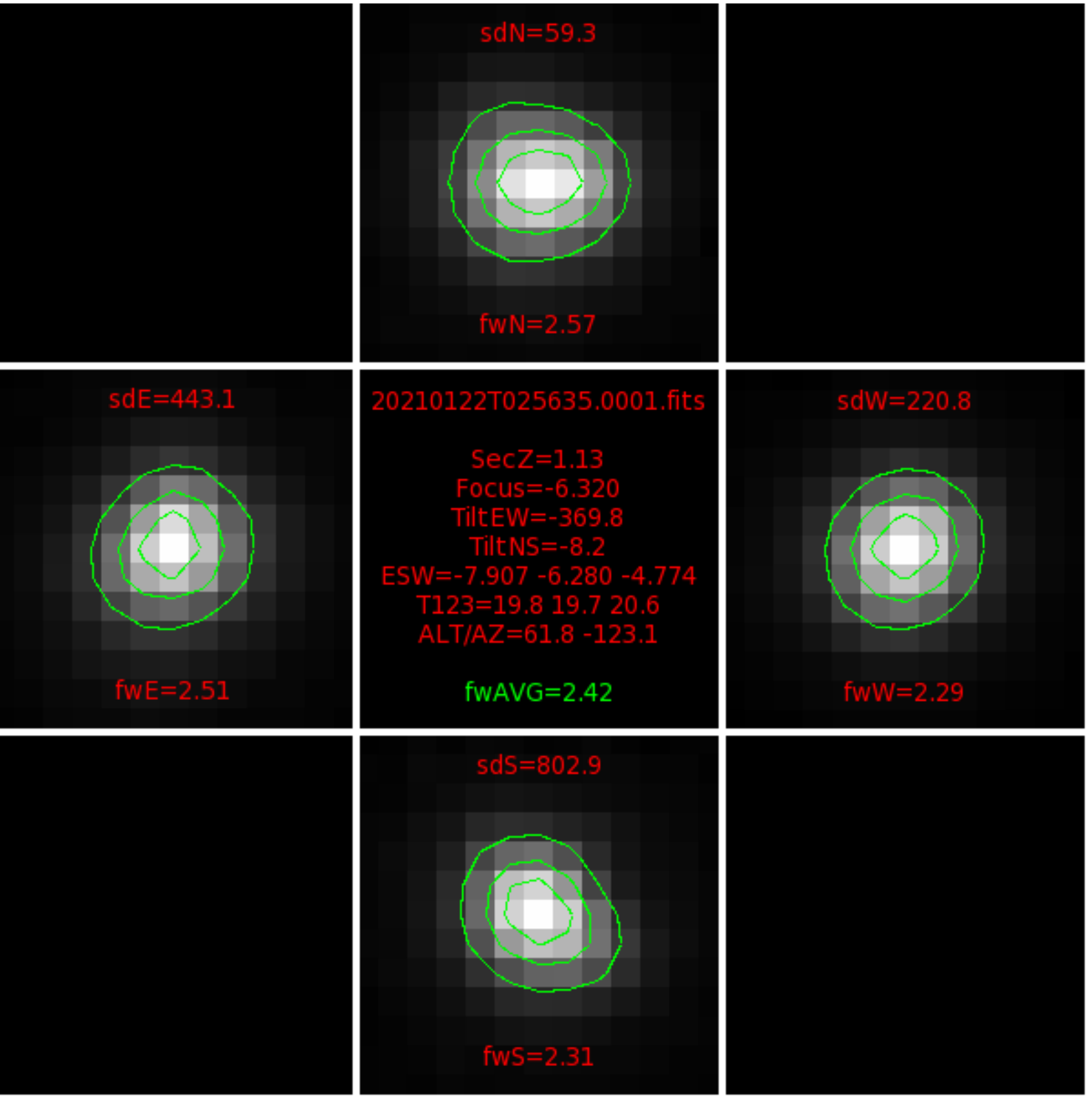
sdN=59.3
fwN=2.57
sdE=443.1
fwE=2.51
20210122T025635.0001.fits
SecZ=1.13
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.8 19.7 20.6
ALT/AZ=61.8 -123.1
fwAVG=2.42
sdW=220.8
fwW=2.29
sdS=802.9
fwS=2.31
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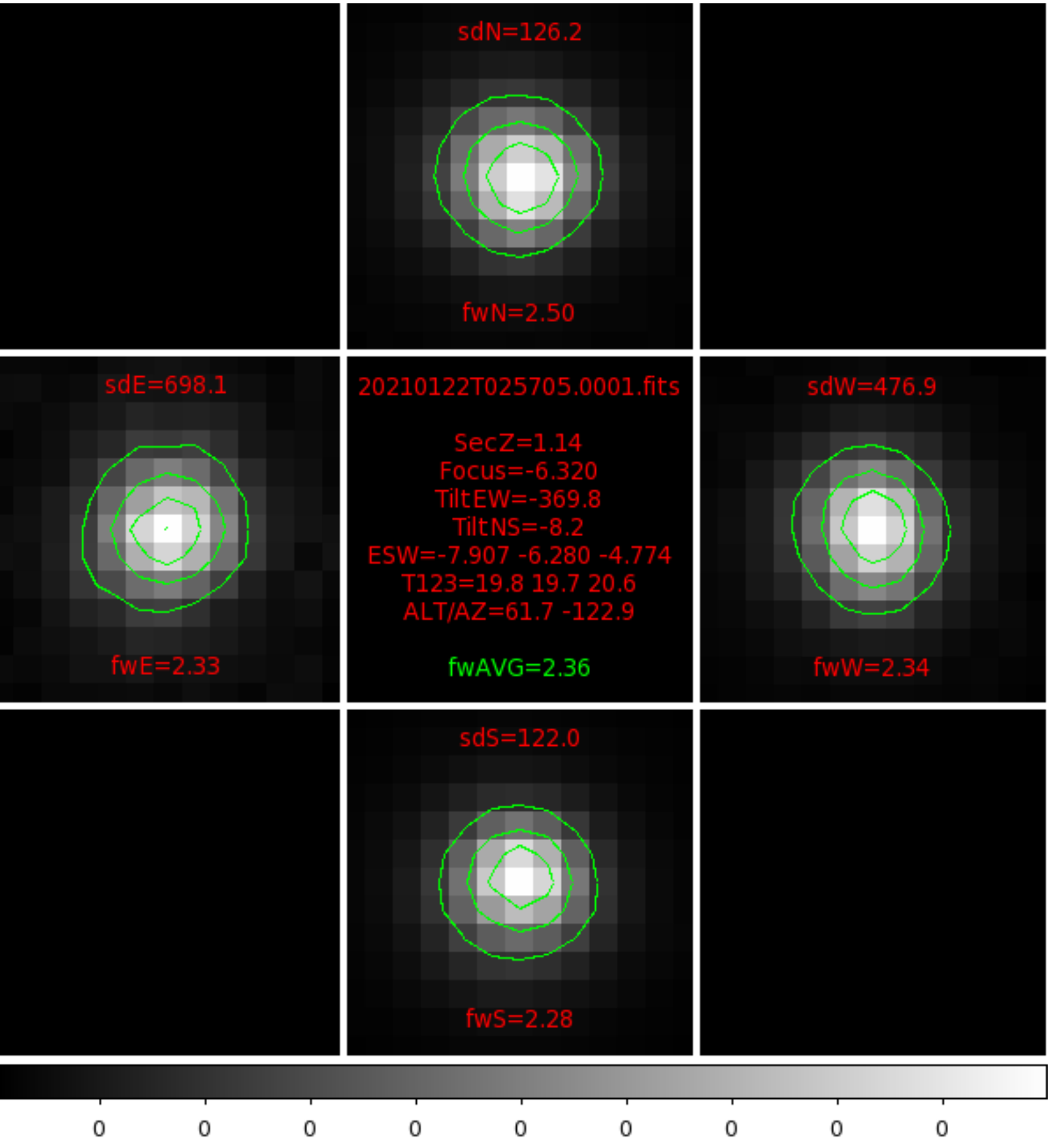
sdN=126.2
fwN=2.50
sdE=698.1
fwE=2.33
20210122T025705.0001.fits
SecZ=1.14
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.8 19.7 20.6
ALT/AZ=61.7 -122.9
fwAVG=2.36
sdW=476.9
fwW=2.34
sdS=122.0
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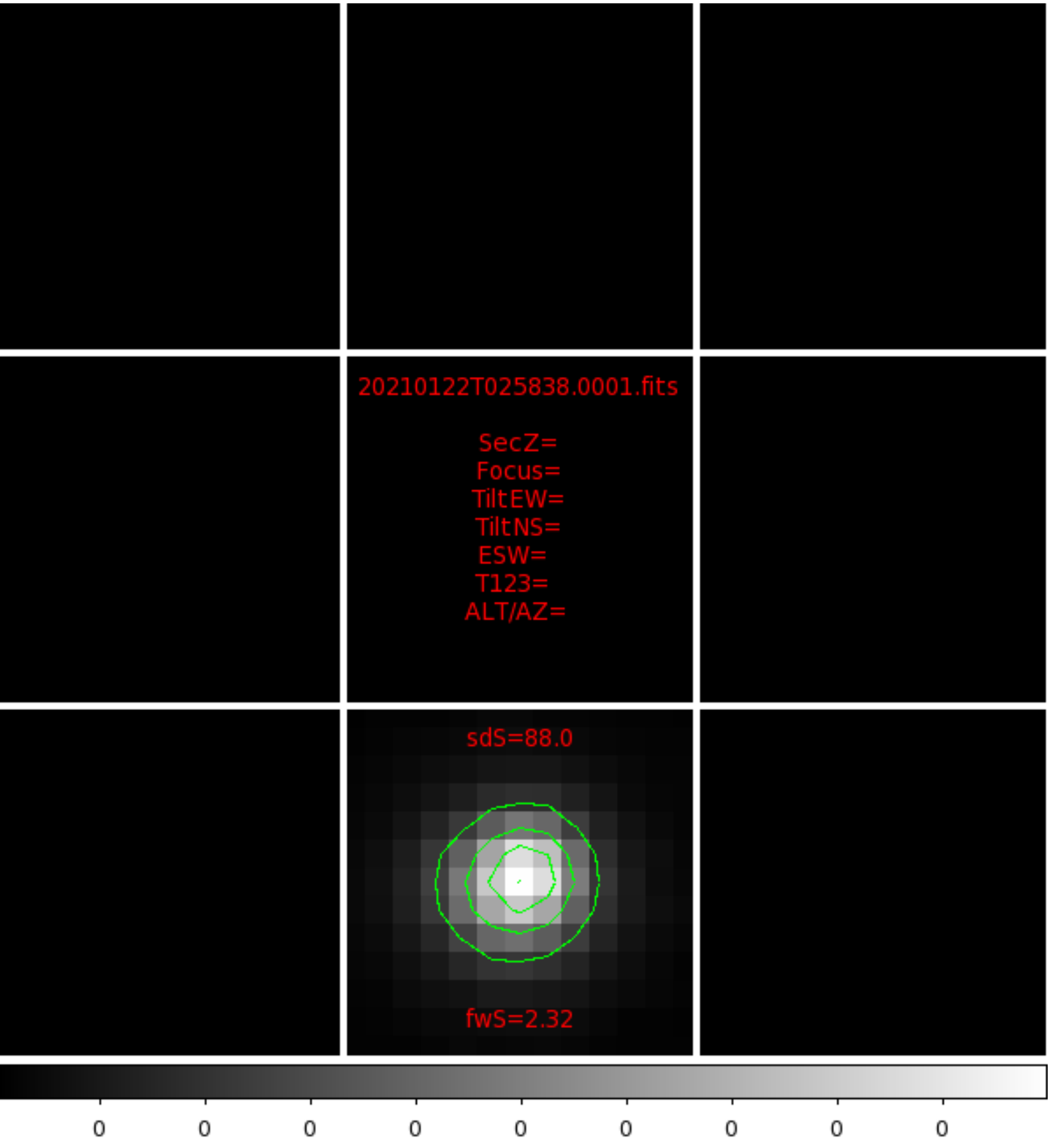
20210122T025838.0001.fits
SecZ=
Focus=
TiltEW=
TiltNS=
ESW=
T123=
ALT/AZ=
sdS=88.0
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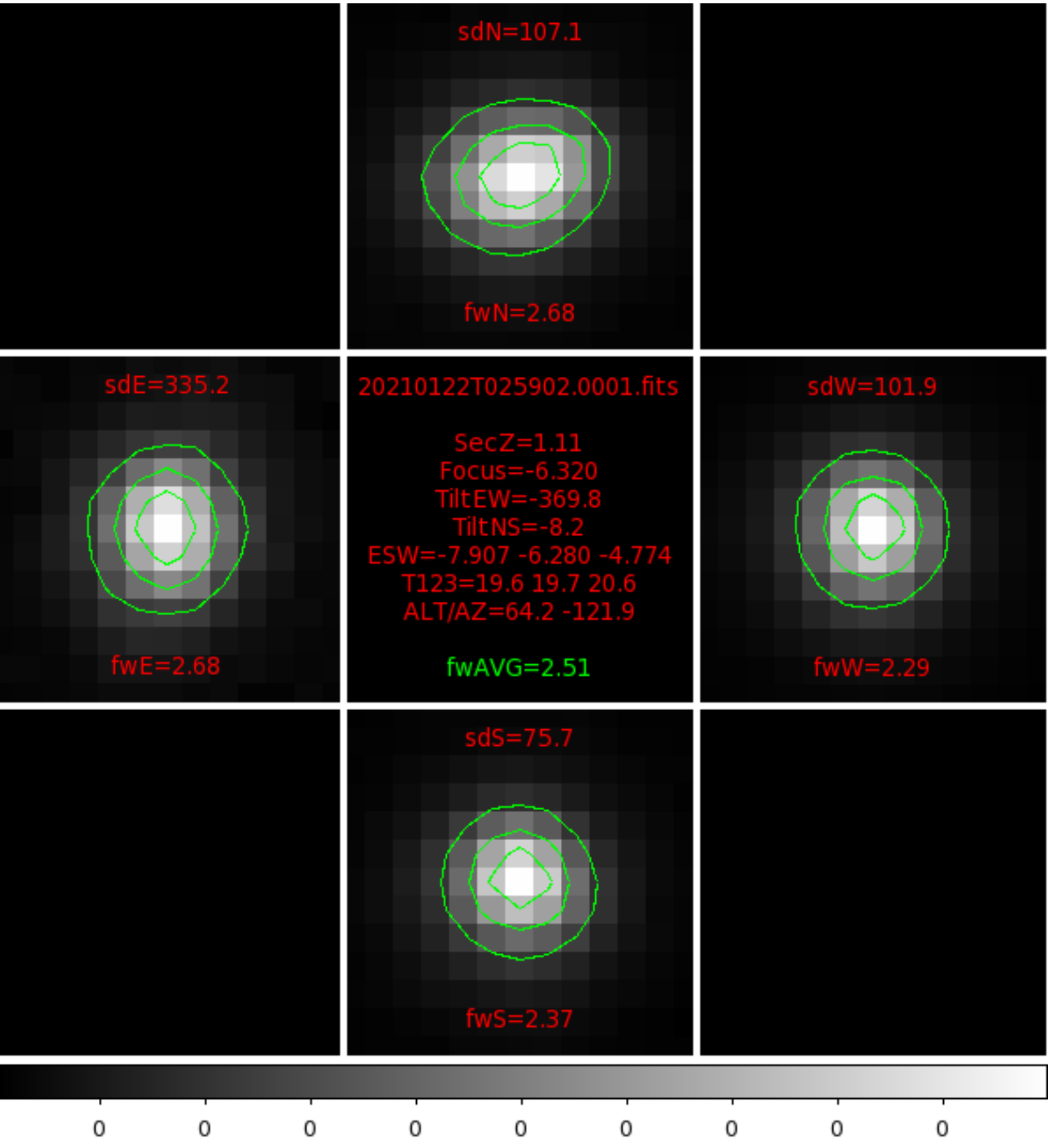
sdN=107.1
fwN=2.68
sdE=335.2
fwE=2.68
20210122T025902.0001.fits
SecZ=1.11
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.6 19.7 20.6
ALT/AZ=64.2 -121.9
fwAVG=2.51
sdW=101.9
fwW=2.29
sdS=75.7
fwS=2.37
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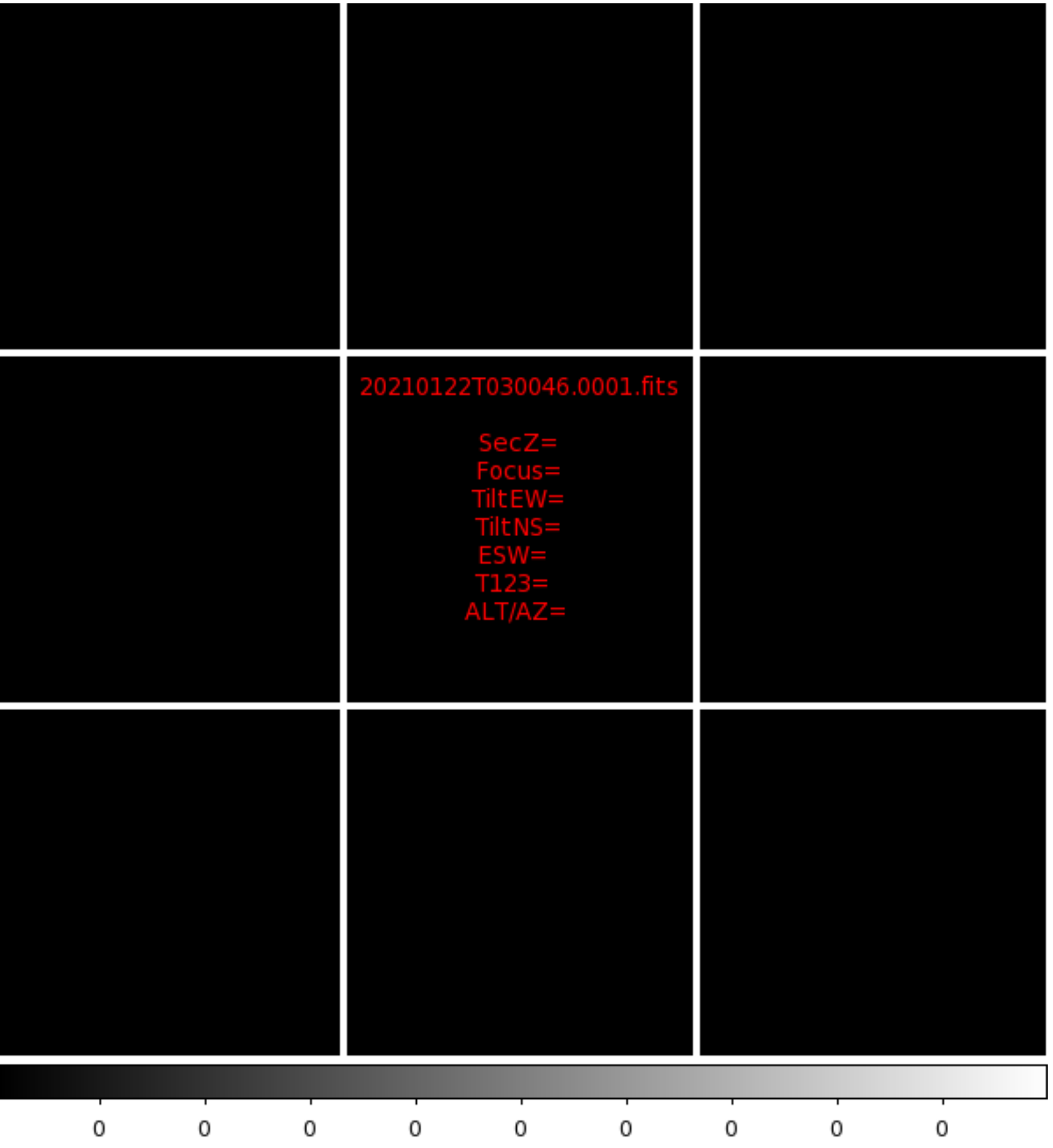
20210122T030046.0001.fits
SecZ=
Focus=
TiltEW=
TiltNS=
ESW=
T123=
ALT/AZ=
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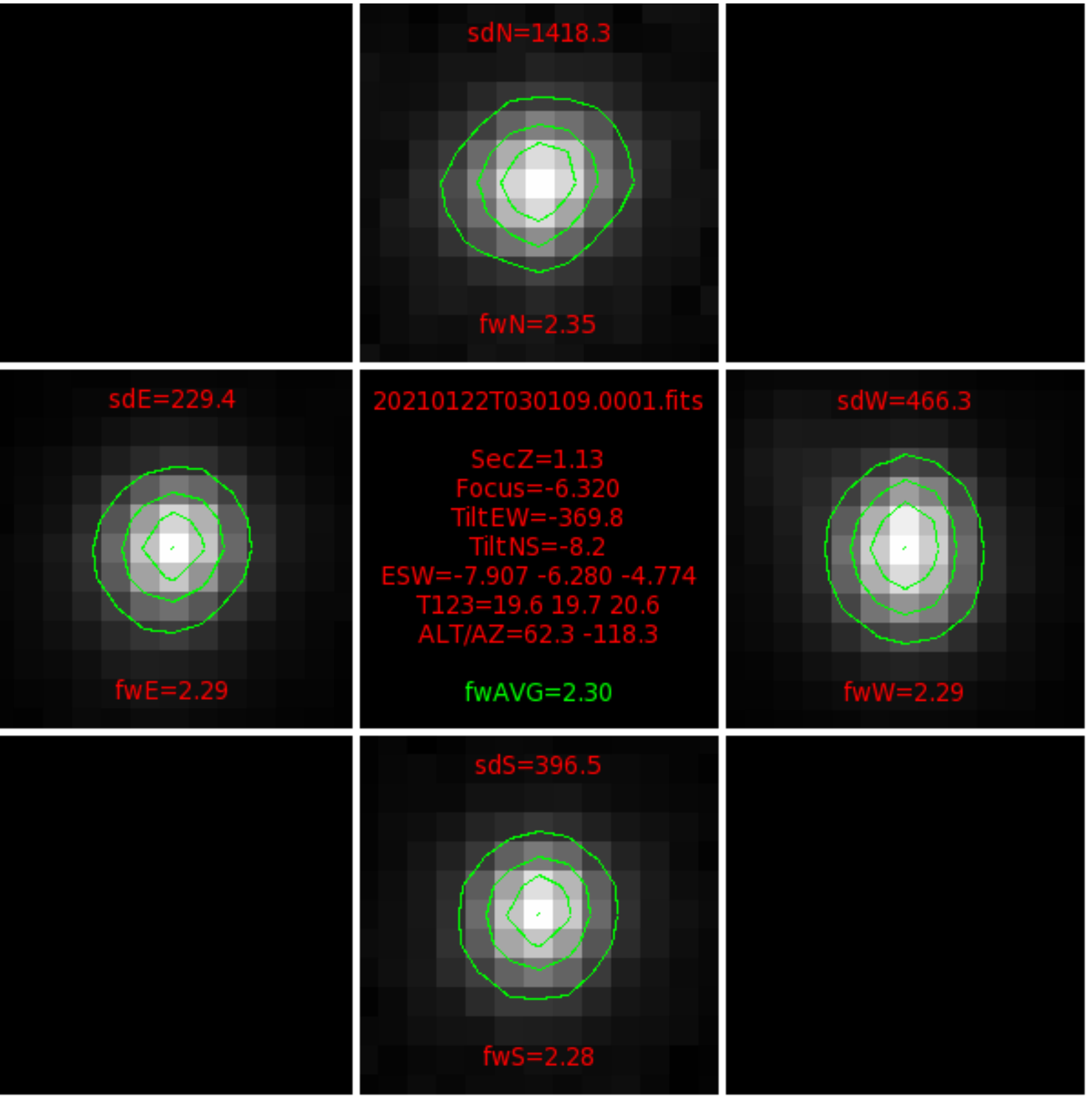
sdN=1418.3
fwN=2.35
sdE=229.4
fwE=2.29
20210122T030109.0001.fits
SecZ=1.13
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.6 19.7 20.6
ALT/AZ=62.3 -118.3
fwAVG=2.30
sdW=466.3
fwW=2.29
sdS=396.5
fwS=2.28
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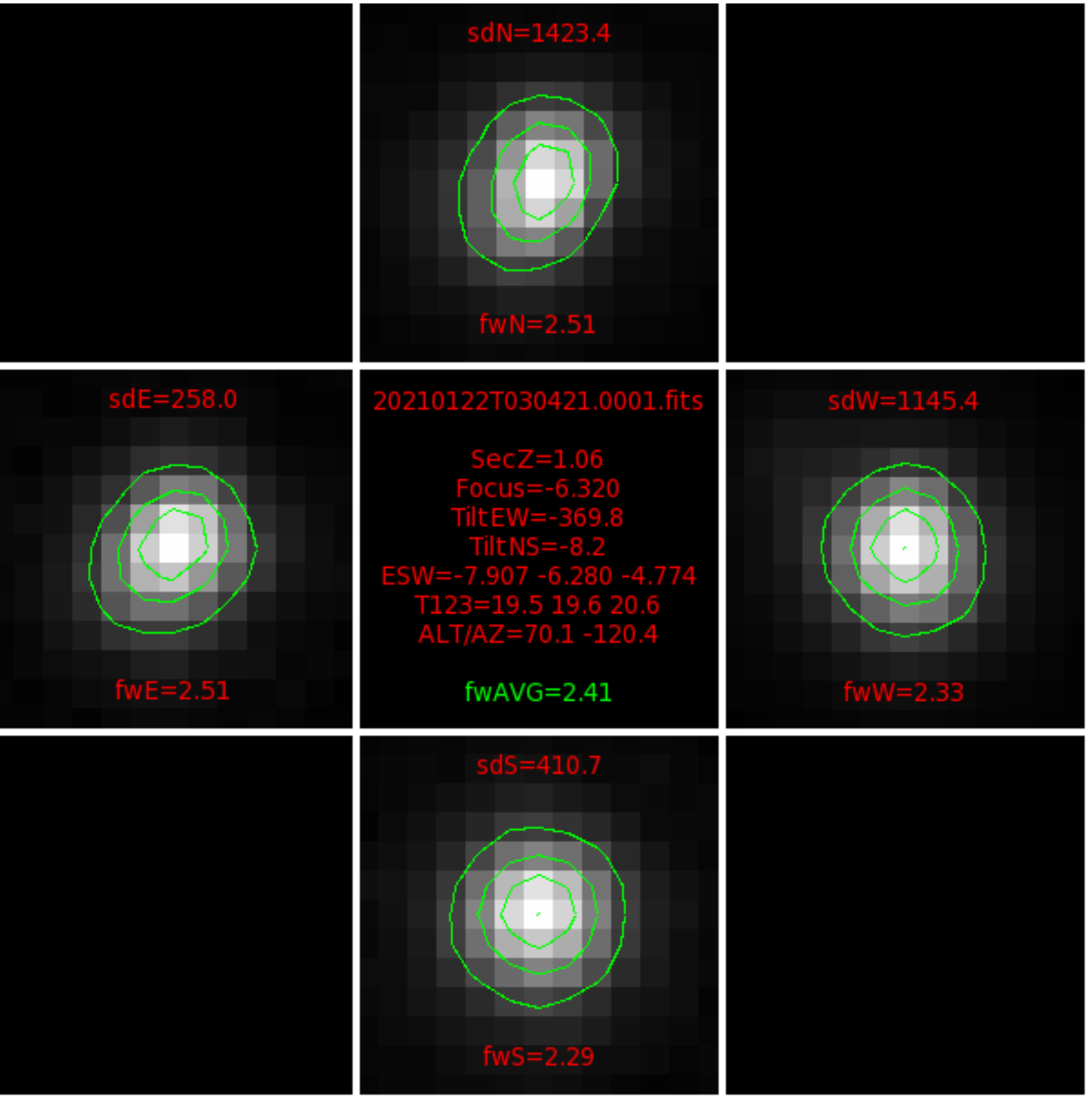
sdN=1423.4
fwN=2.51
sdE=258.0
fwE=2.51
20210122T030421.0001.fits
SecZ=1.06
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.5 19.6 20.6
ALT/AZ=70.1 -120.4
fwAVG=2.41
sdW=1145.4
fwW=2.33
sdS=410.7
fwS=2.29
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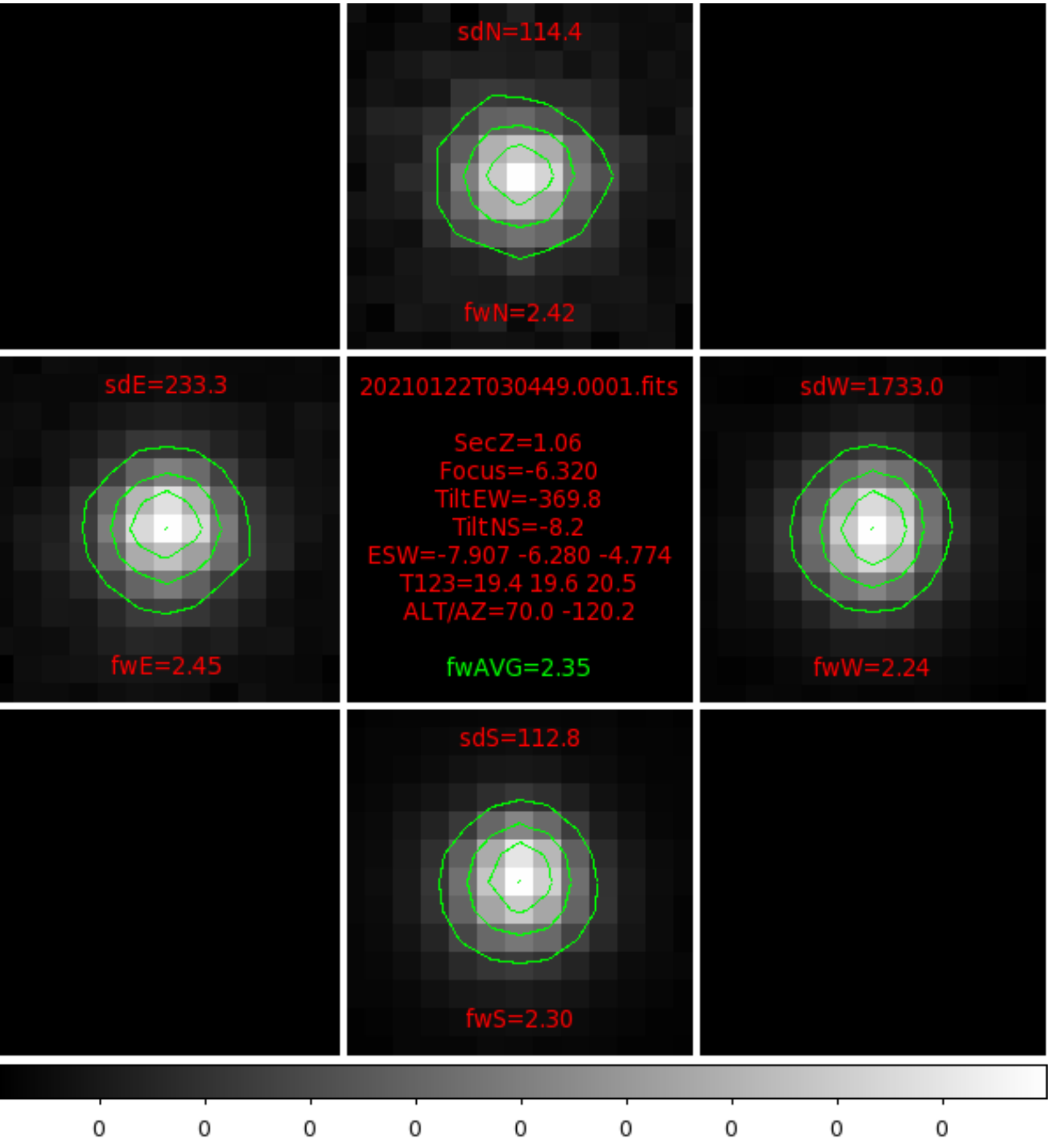
sdN=114.4
fwN=2.42
sdE=233.3
fwE=2.45
20210122T030449.0001.fits
SecZ=1.06
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.4 19.6 20.5
ALT/AZ=70.0 -120.2
fwAVG=2.35
sdW=1733.0
fwW=2.24
sdS=112.8
fwS=2.30
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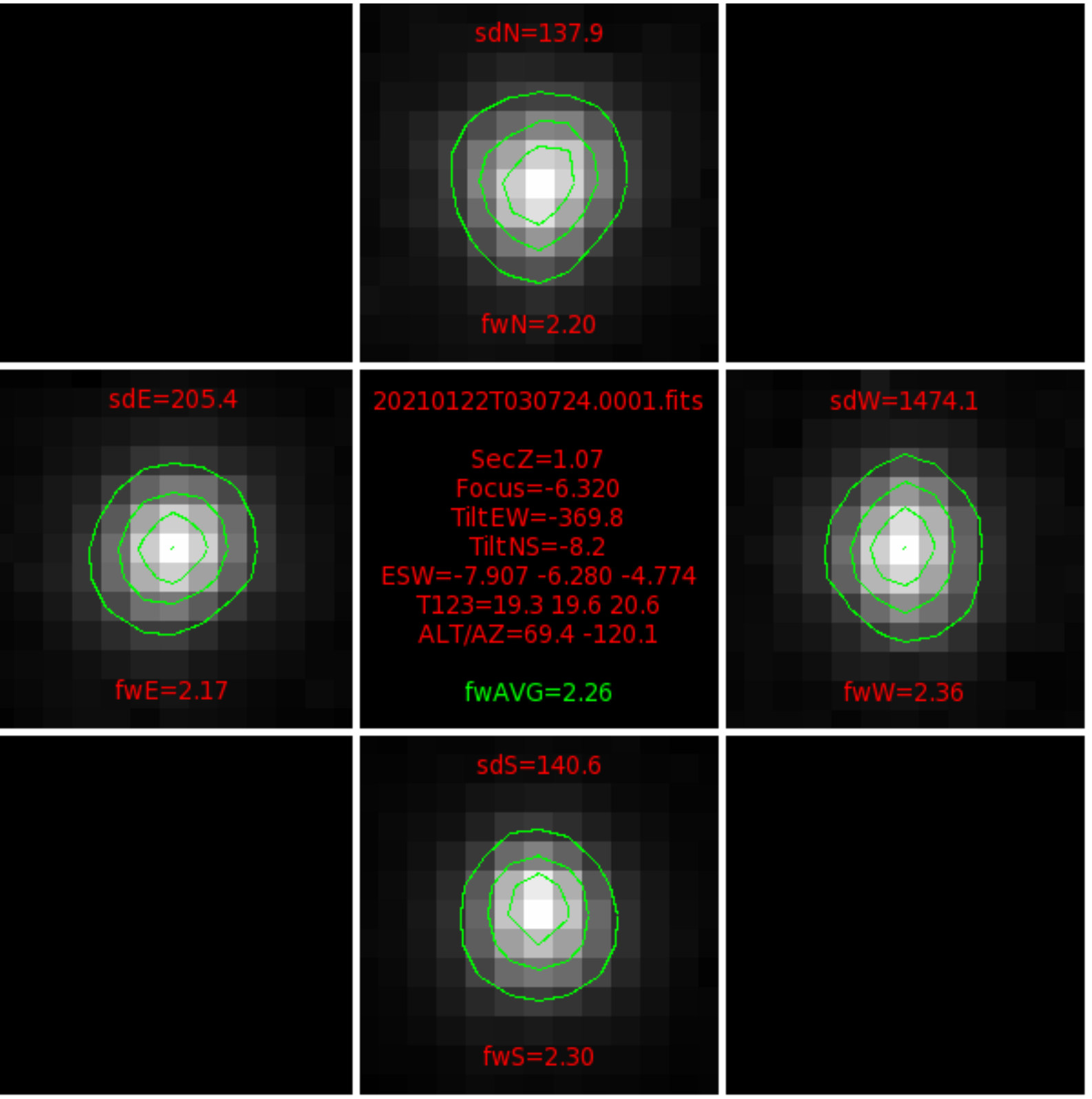
sdN=137.9
fwN=2.20
sdE=205.4
fwE=2.17
20210122T030724.0001.fits
SecZ=1.07
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.3 19.6 20.6
ALT/AZ=69.4 -120.1
fwAVG=2.26
sdW=1474.1
fwW=2.36
sdS=140.6
fwS=2.30
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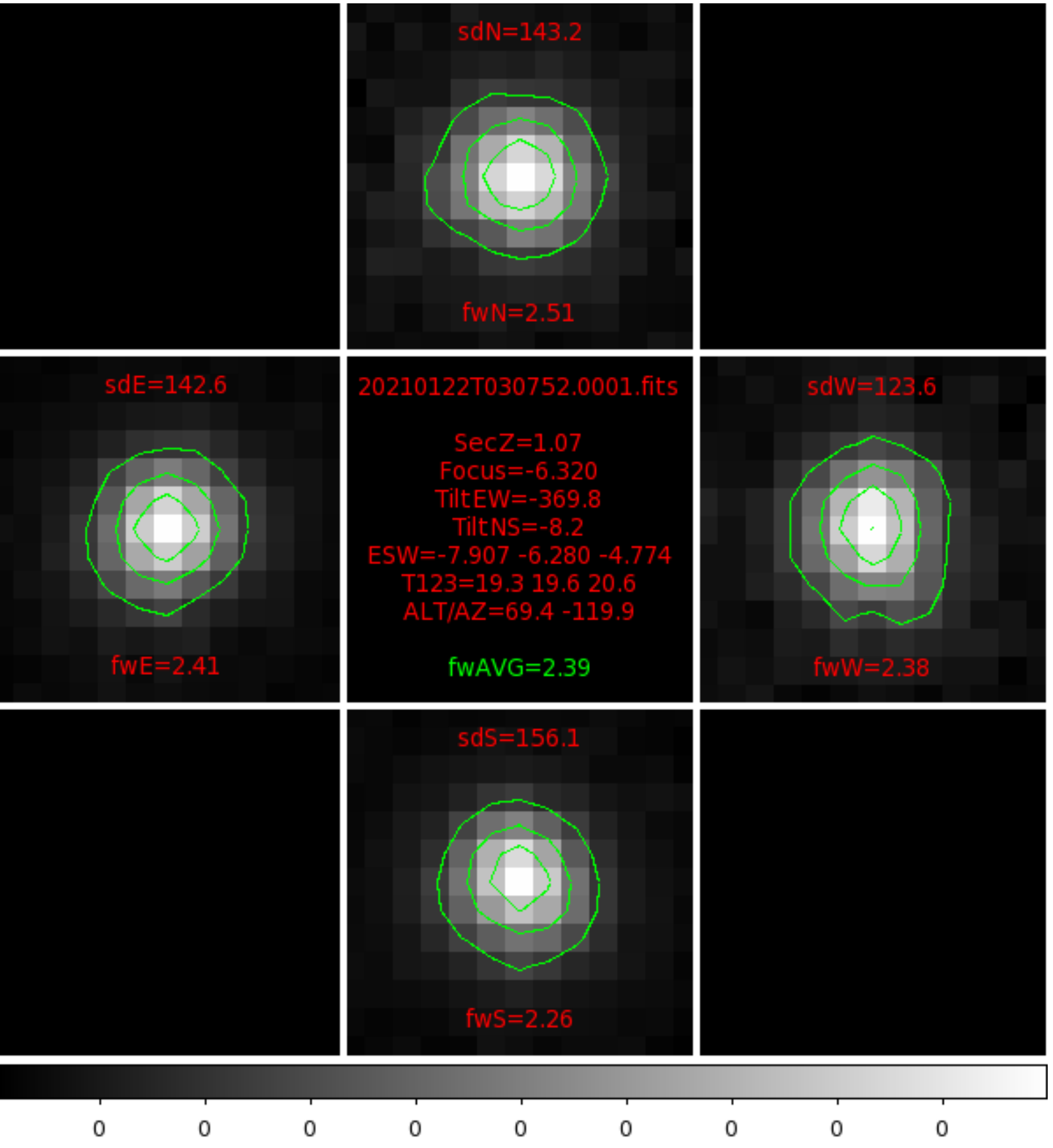
sdN=143.2
fwN=2.51
sdE=142.6
fwE=2.41
20210122T030752.0001.fits
SecZ=1.07
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.3 19.6 20.6
ALT/AZ=69.4 -119.9
fwAVG=2.39
sdW=123.6
fwW=2.38
sdS=156.1
fwS=2.26
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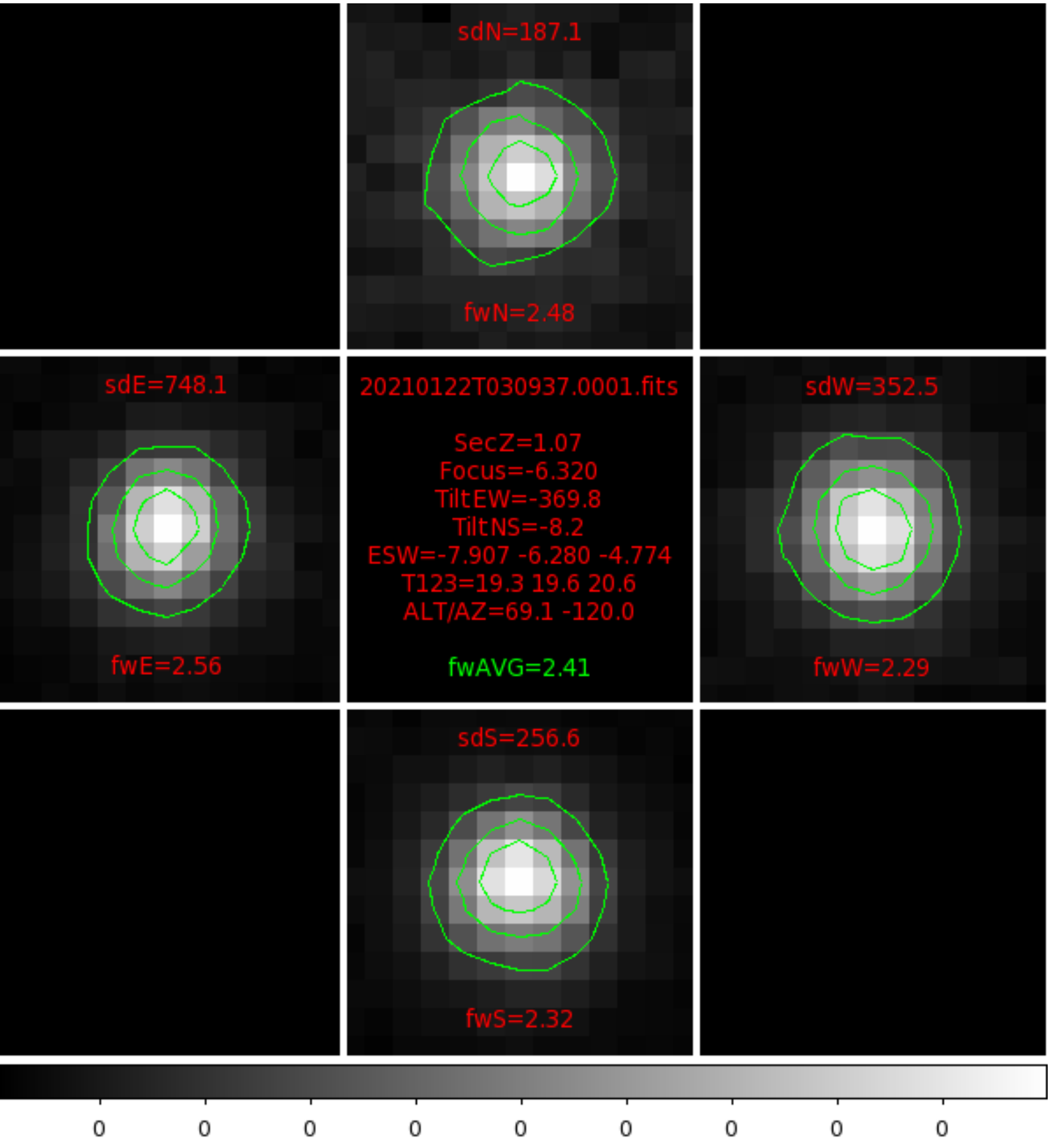
sdN=187.1
fwN=2.48
sdE=748.1
fwE=2.56
20210122T030937.0001.fits
SecZ=1.07
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.3 19.6 20.6
ALT/AZ=69.1 -120.0
fwAVG=2.41
sdW=352.5
fwW=2.29
sdS=256.6
fwS=2.32
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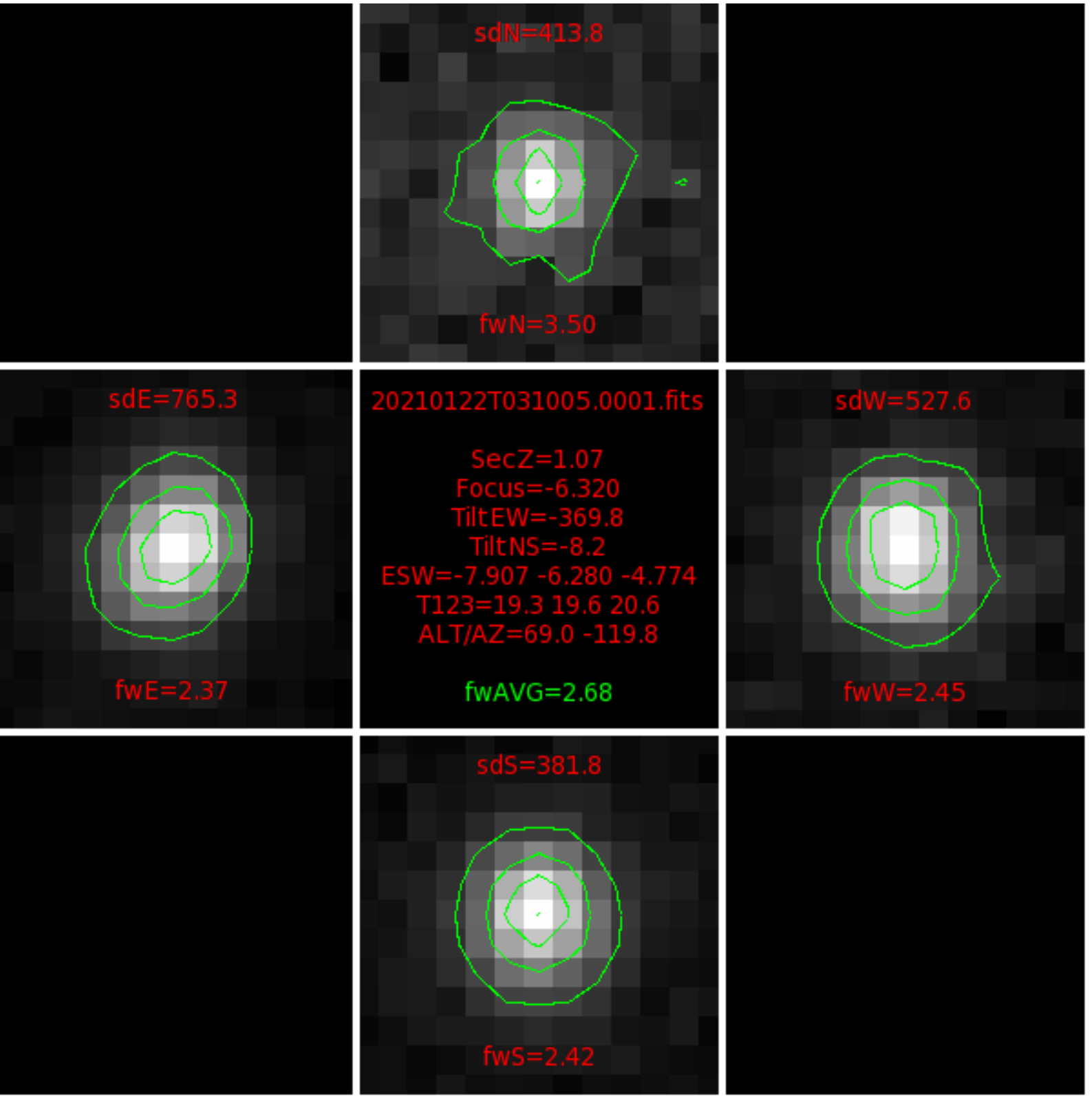
sdN=413.8
fwN=3.50
sdE=765.3
fwE=2.37
20210122T031005.0001.fits
SecZ=1.07
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.3 19.6 20.6
ALT/AZ=69.0 -119.8
fwAVG=2.68
sdW=527.6
fwW=2.45
sdS=381.8
fwS=2.42
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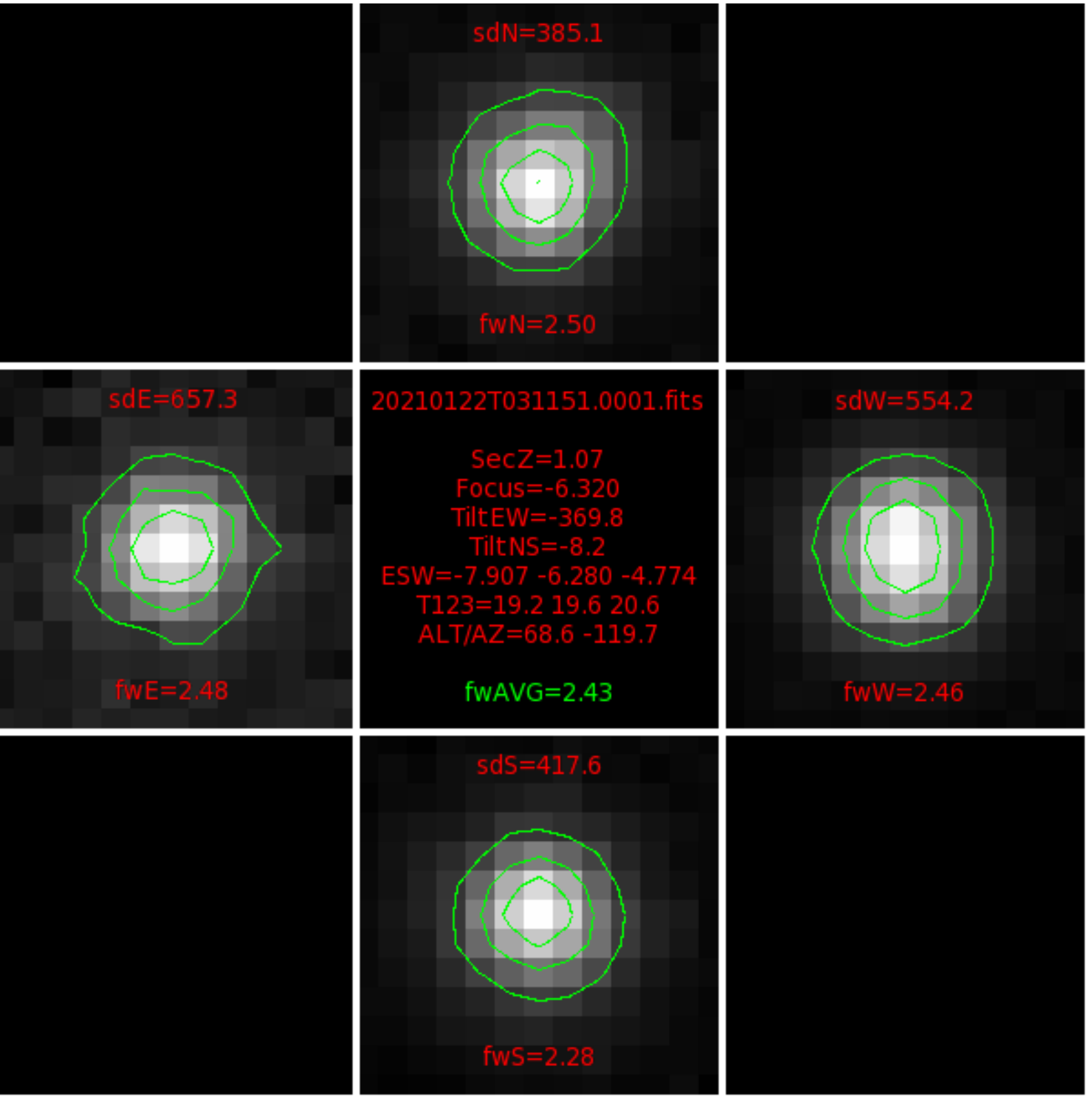
sdN=385.1
fwN=2.50
sdE=657.3
fwE=2.48
20210122T031151.0001.fits
SecZ=1.07
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.2 19.6 20.6
ALT/AZ=68.6 -119.7
fwAVG=2.43
sdW=554.2
fwW=2.46
sdS=417.6
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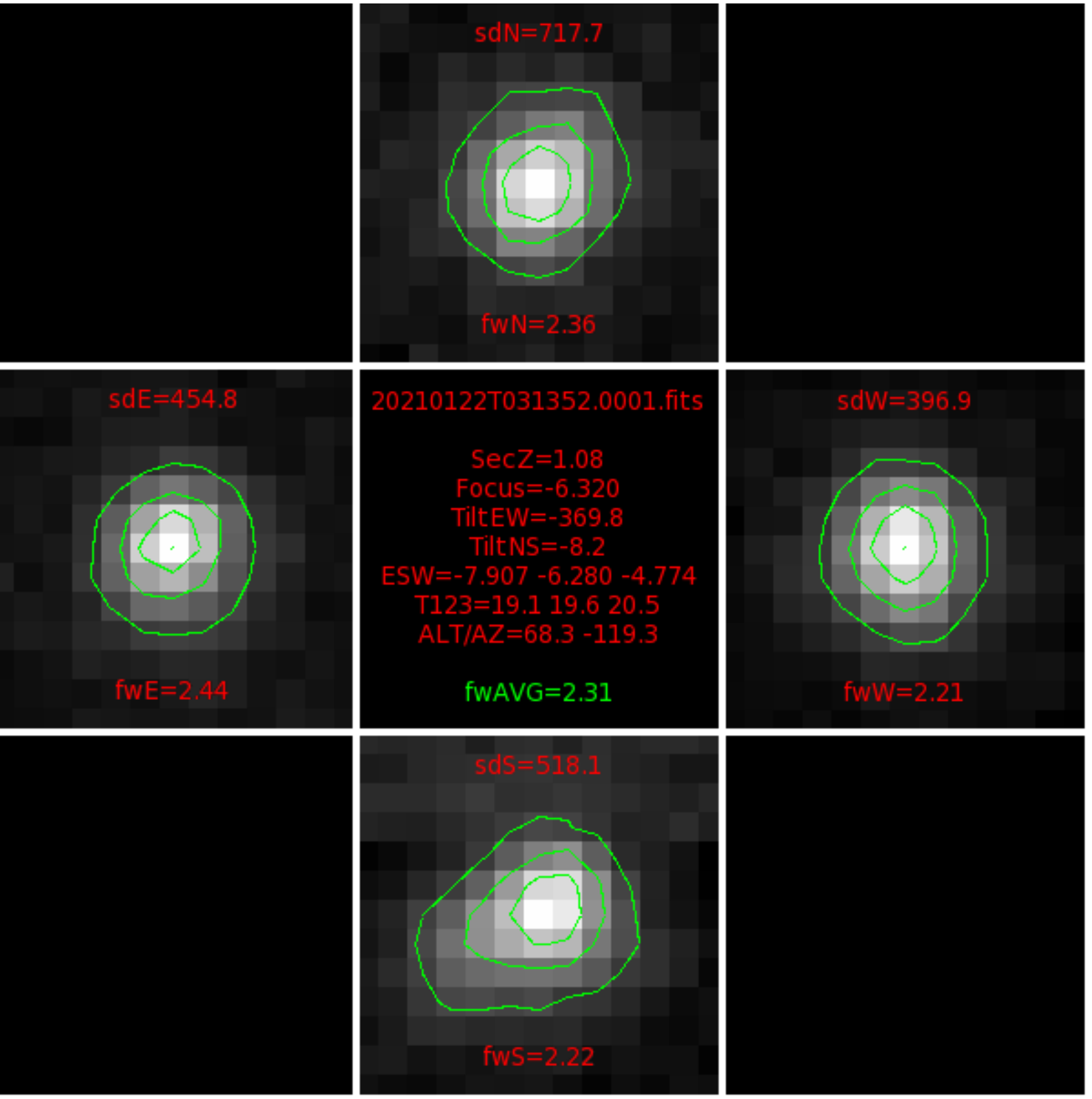
sdN=717.7
fwN=2.36
sdE=454.8
fwE=2.44
20210122T031352.0001.fits
SecZ=1.08
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.1 19.6 20.5
ALT/AZ=68.3 -119.3
fwAVG=2.31
sdW=396.9
fwW=2.21
sdS=518.1
fwS=2.22
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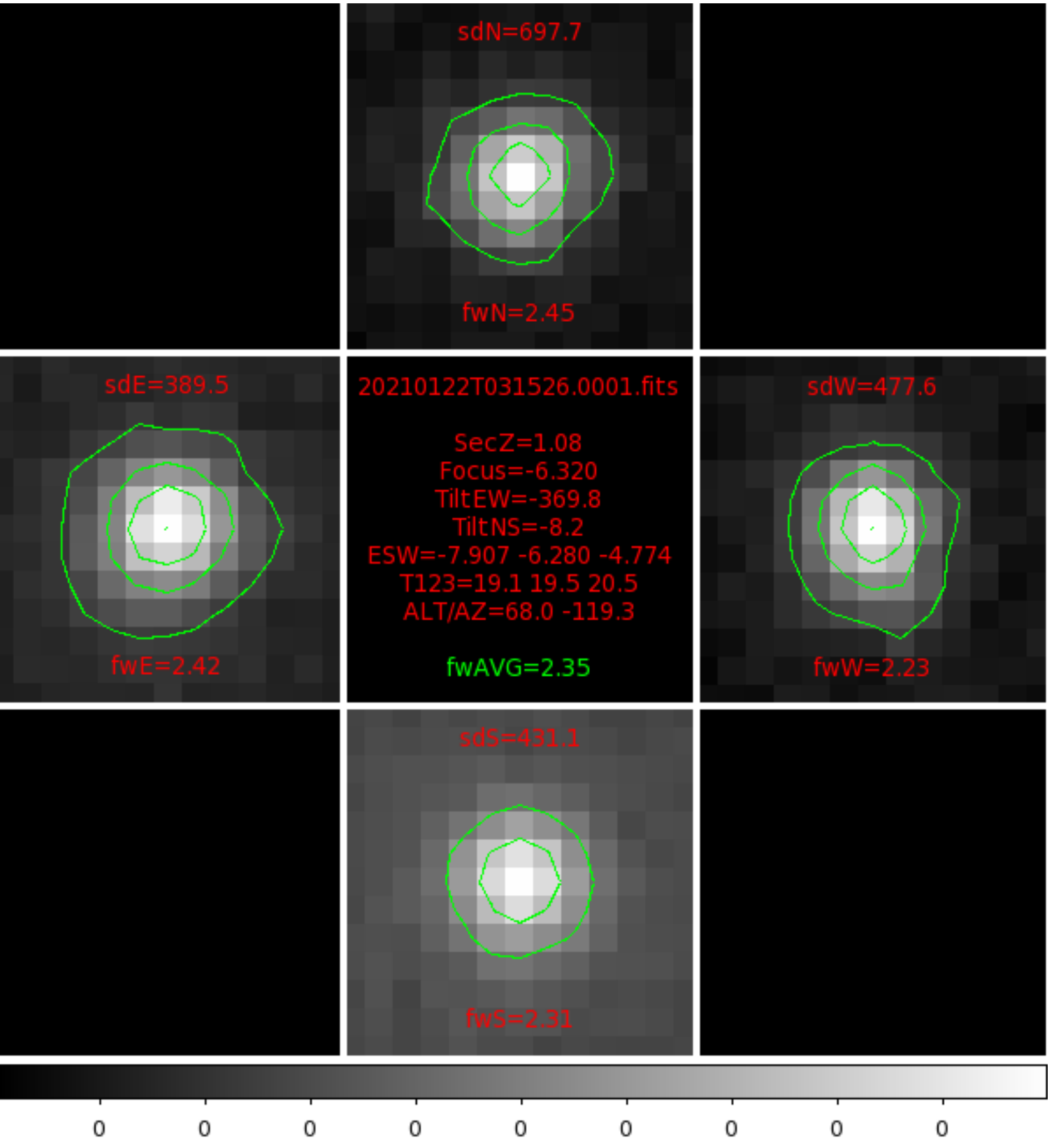
sdN=697.7
fwN=2.45
sdE=389.5
fwE=2.42
20210122T031526.0001.fits
SecZ=1.08
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.1 19.5 20.5
ALT/AZ=68.0 -119.3
fwAVG=2.35
sdW=477.6
fwW=2.23
sdS=431.1
fwS=2.31
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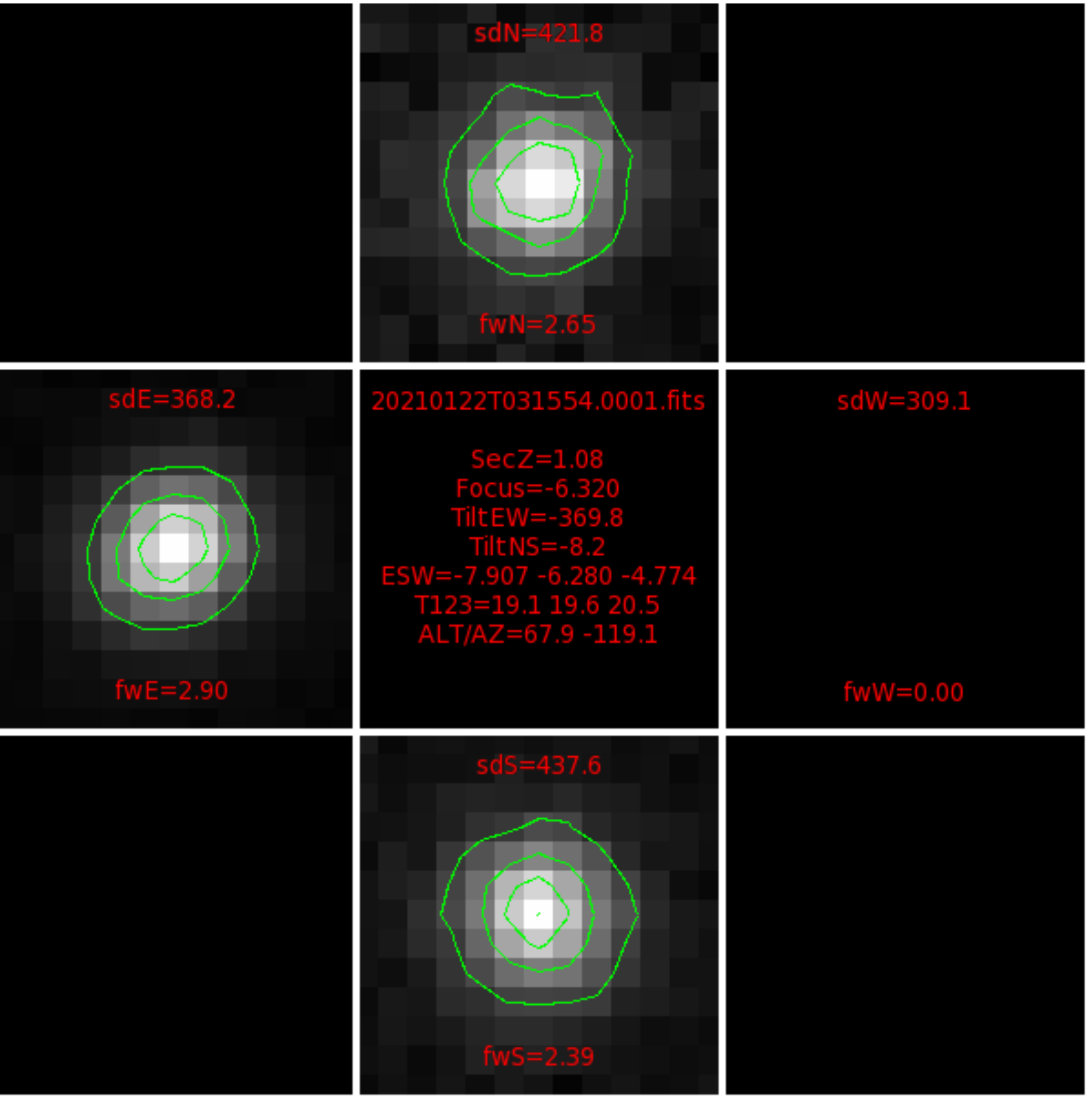
sdN=421.8
fwN=2.65
sdE=368.2
fwE=2.90
20210122T031554.0001.fits
SecZ=1.08
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.1 19.6 20.5
ALT/AZ=67.9 -119.1
sdW=309.1
fwW=0.00
sdS=437.6
fwS=2.39
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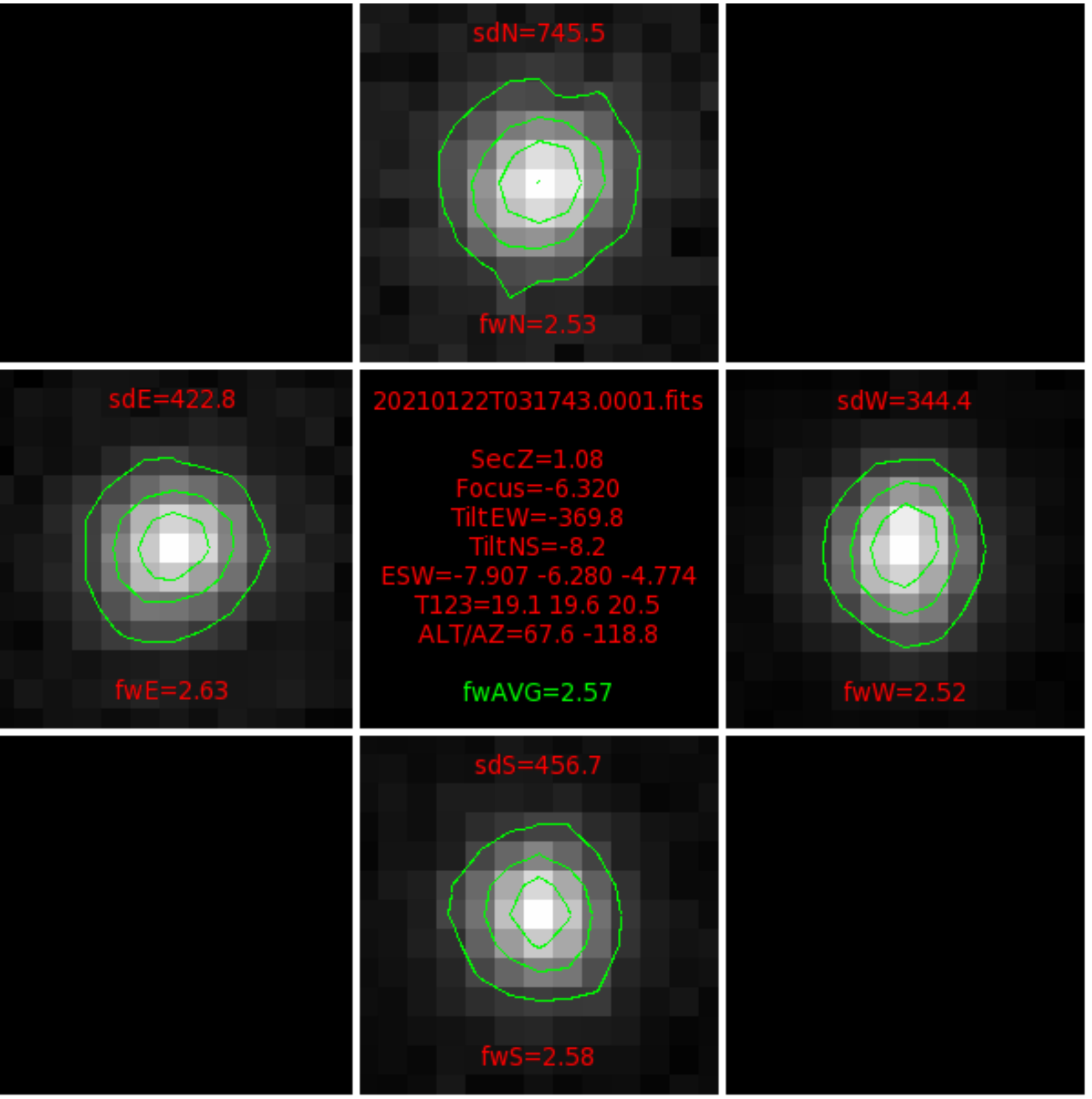
sdN=745.5
fwN=2.53
sdE=422.8
fwE=2.63
20210122T031743.0001.fits
SecZ=1.08
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.1 19.6 20.5
ALT/AZ=67.6 -118.8
fwAVG=2.57
sdW=344.4
fwW=2.52
sdS=456.7
fwS=2.58
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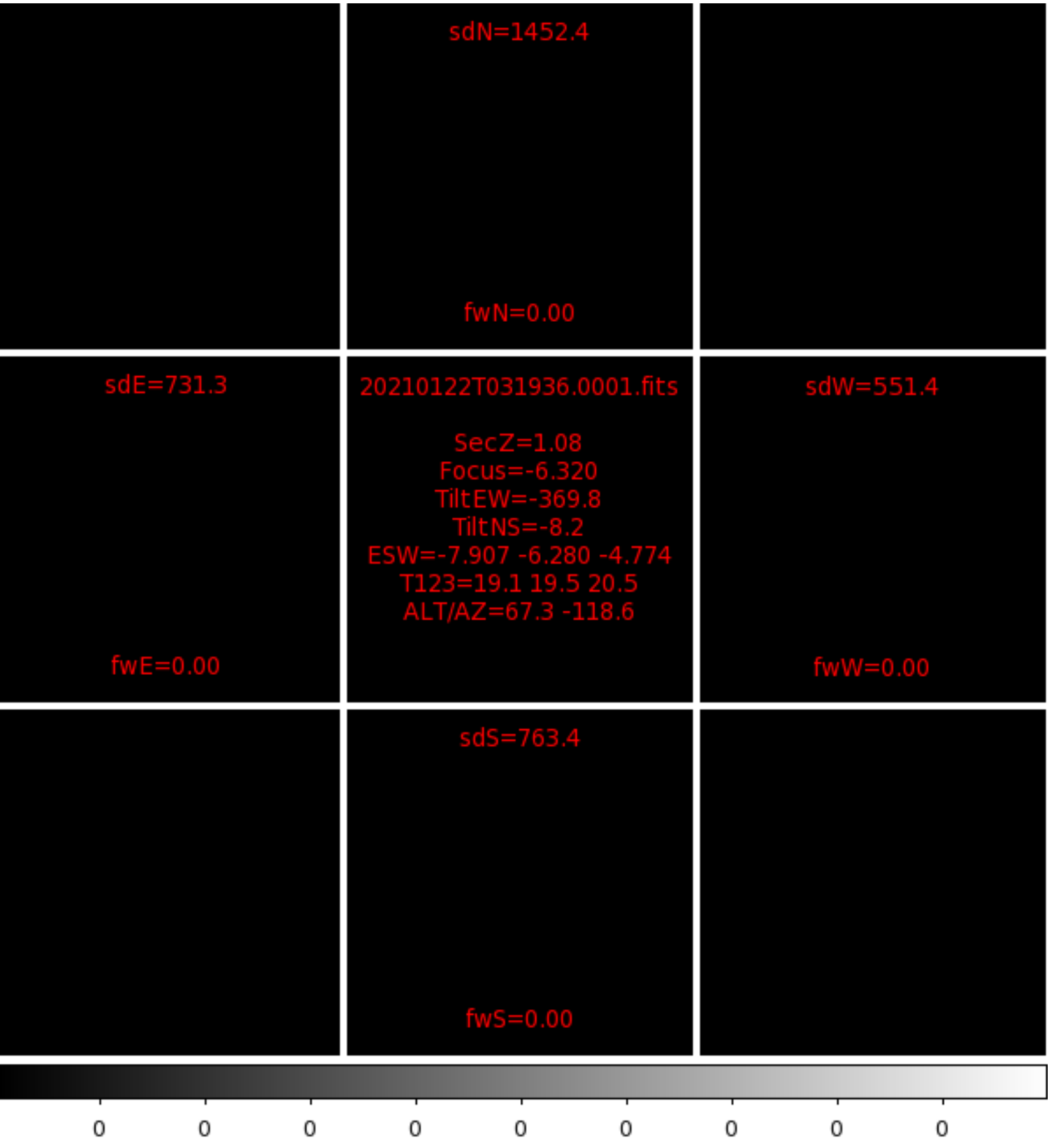
sdN=1452.4
fwN=0.00
sdE=731.3
fwE=0.00
20210122T031936.0001.fits
SecZ=1.08
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.1 19.5 20.5
ALT/AZ=67.3 -118.6
sdW=551.4
fwW=0.00
sdS=763.4
fwS=0.00
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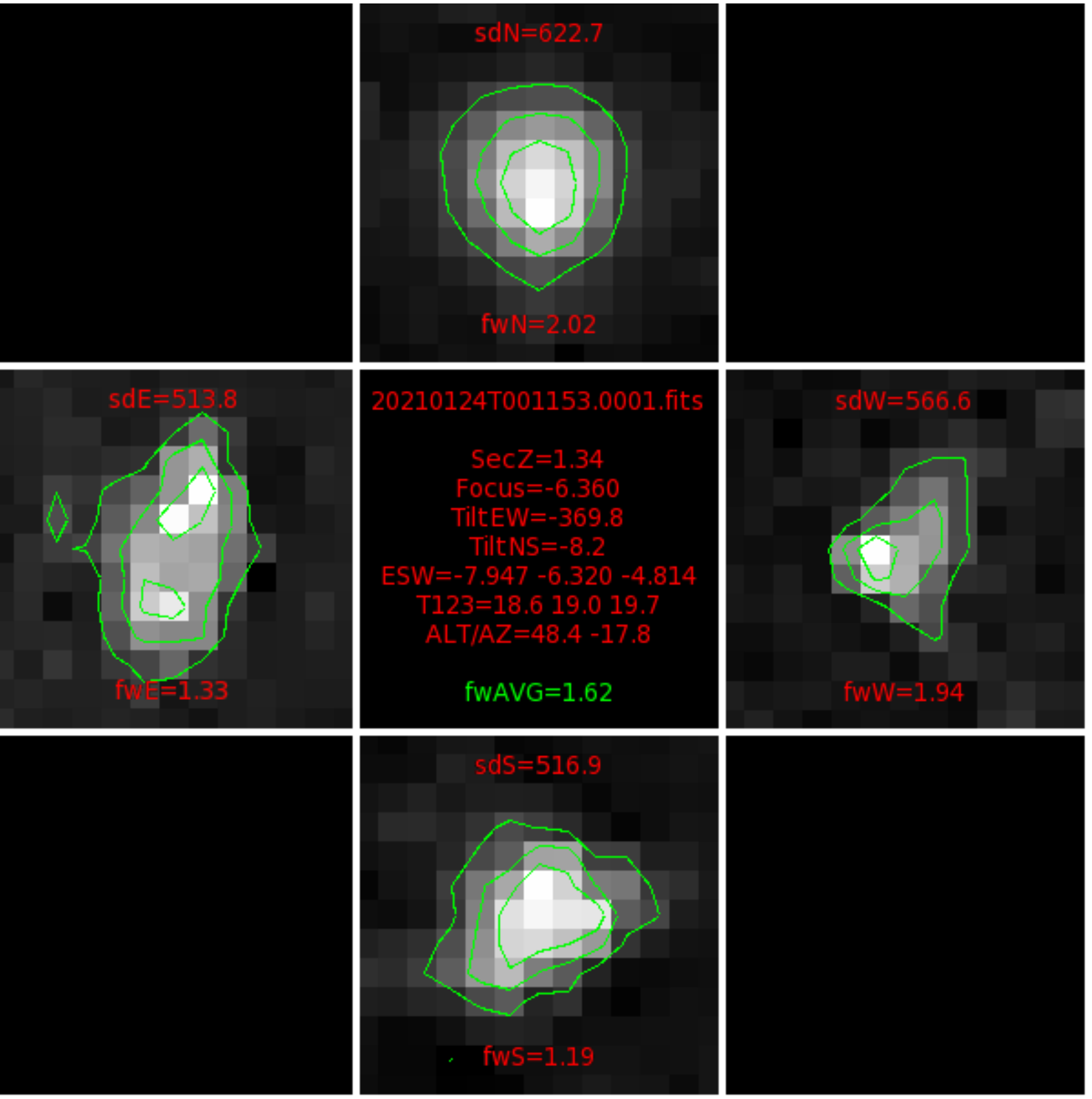
sdN=622.7
fwN=2.02
sdE=513.8
fwE=1.33
20210124T001153.0001.fits
SecZ=1.34
Focus=-6.360
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.947 -6.320 -4.814
T123=18.6 19.0 19.7
ALT/AZ=48.4 -17.8
fwAVG=1.62
sdW=566.6
fwW=1.94
sdS=516.9
fwS=1.19
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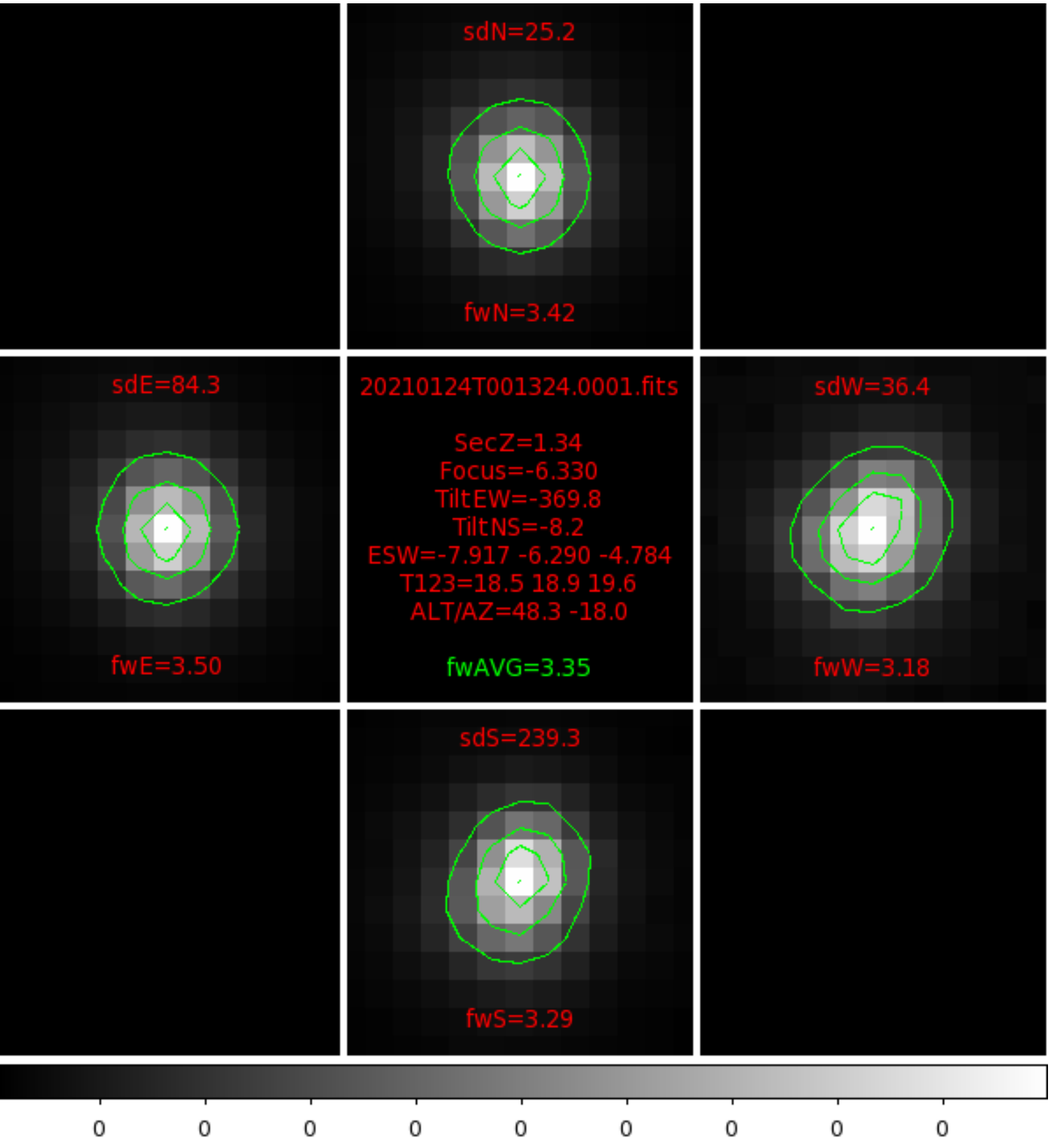
sdN=25.2
fwN=3.42
sdE=84.3
fwE=3.50
20210124T001324.0001.fits
SecZ=1.34
Focus=-6.330
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.917 -6.290 -4.784
T123=18.5 18.9 19.6
ALT/AZ=48.3 -18.0
fwAVG=3.35
sdW=36.4
fwW=3.18
sdS=239.3
fwS=3.29
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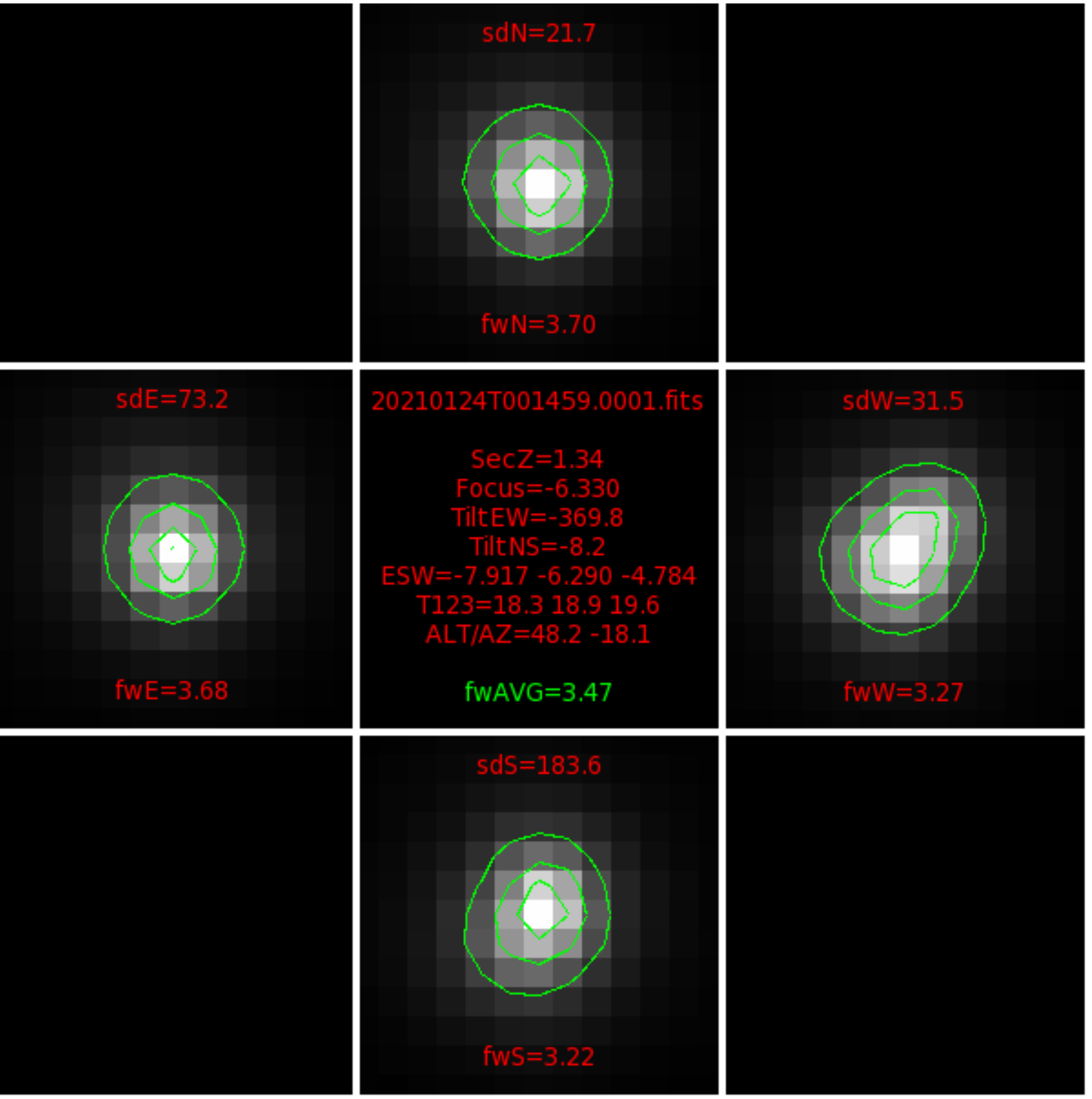
sdN=21.7
fwN=3.70
sdE=73.2
fwE=3.68
20210124T001459.0001.fits
SecZ=1.34
Focus=-6.330
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.917 -6.290 -4.784
T123=18.3 18.9 19.6
ALT/AZ=48.2 -18.1
fwAVG=3.47
sdW=31.5
fwW=3.27
sdS=183.6
fwS=3.22
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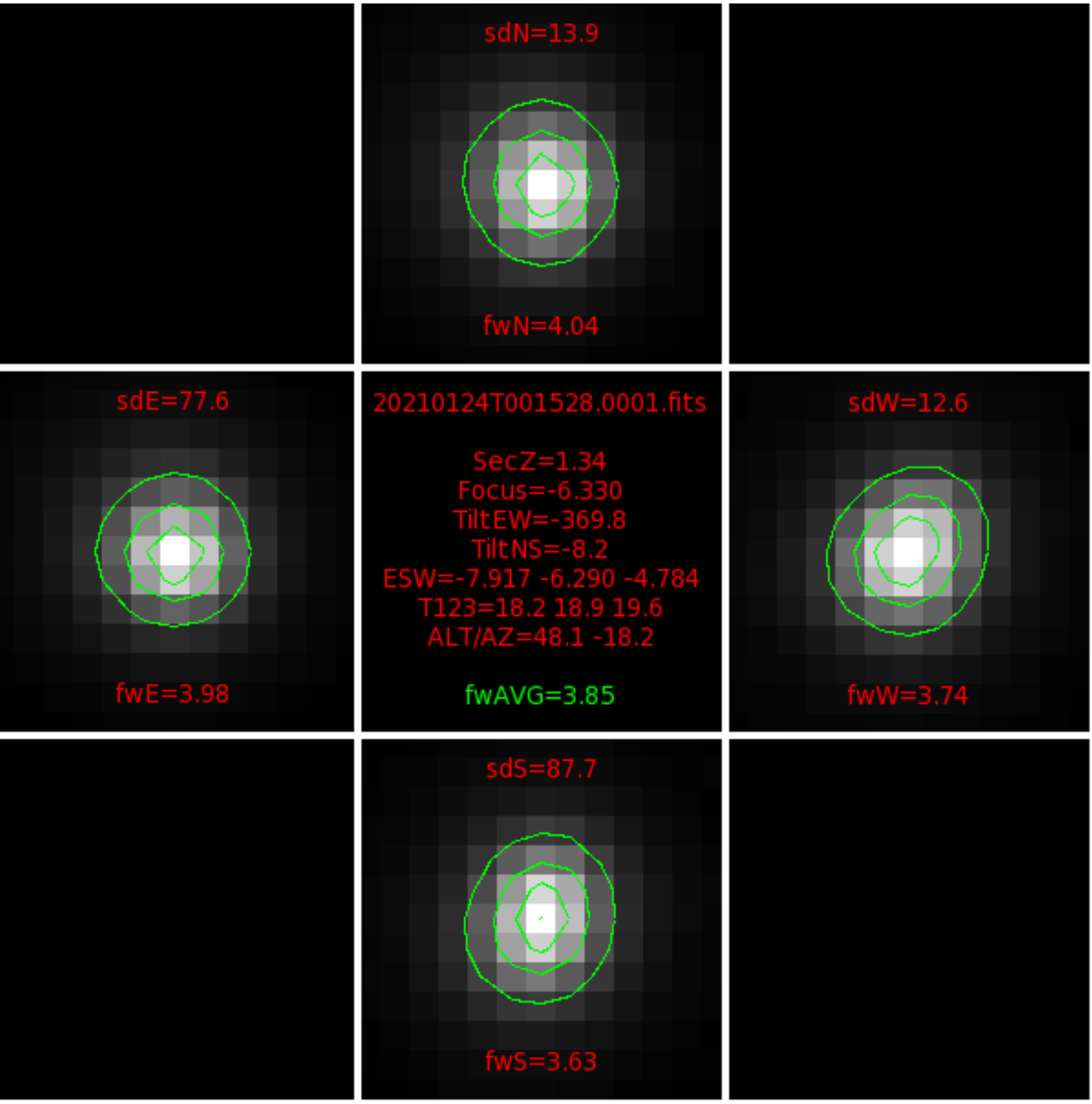
sdN=13.9
fwN=4.04
sdE=77.6
fwE=3.98
20210124T001528.0001.fits
SecZ=1.34
Focus=-6.330
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.917 -6.290 -4.784
T123=18.2 18.9 19.6
ALT/AZ=48.1 -18.2
fwAVG=3.85
sdW=12.6
fwW=3.74
sdS=87.7
fwS=3.63
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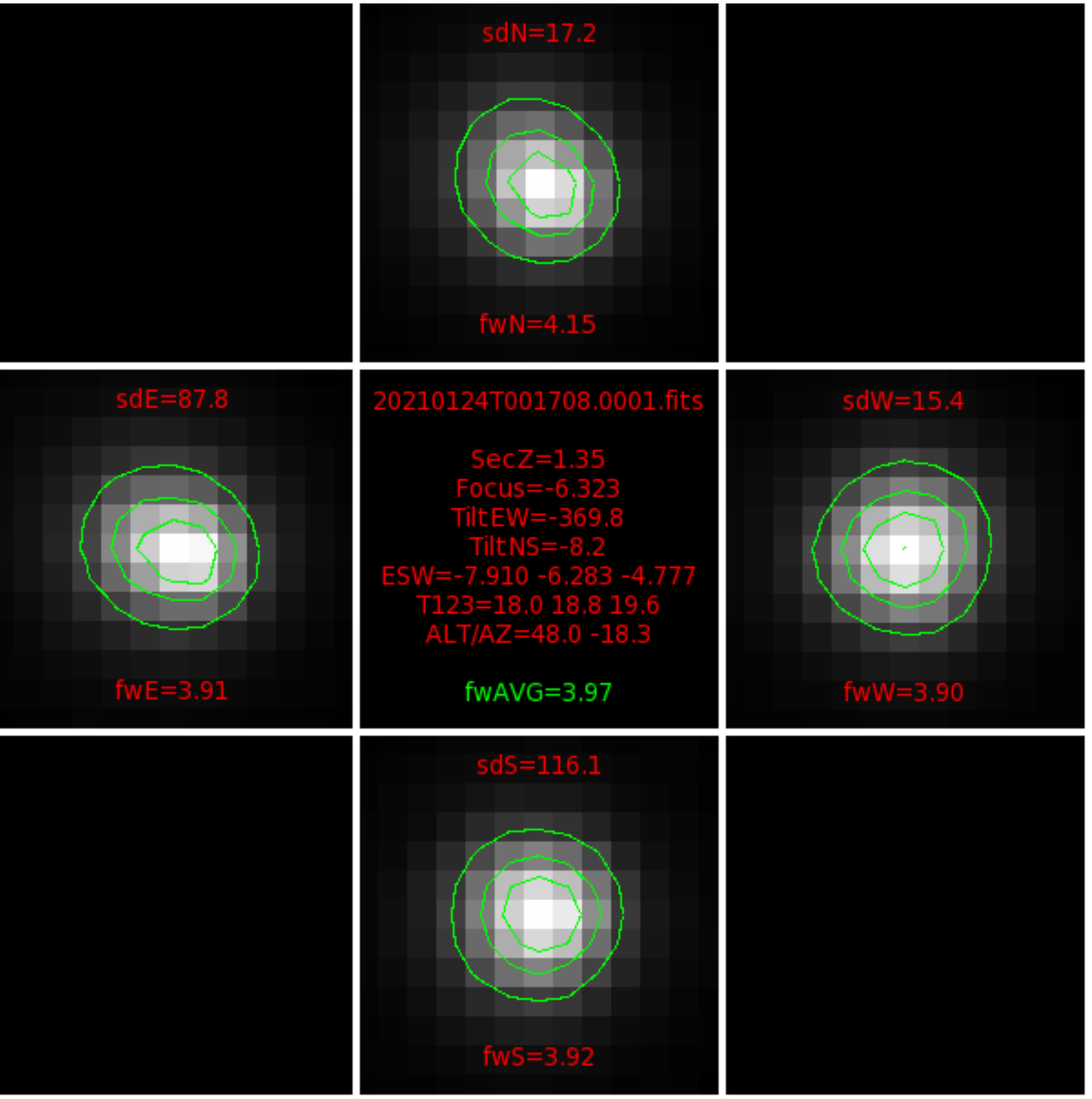
sdN=17.2
fwN=4.15
sdE=87.8
fwE=3.91
20210124T001708.0001.fits
SecZ=1.35
Focus=-6.323
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.910 -6.283 -4.777
T123=18.0 18.8 19.6
ALT/AZ=48.0 -18.3
fwAVG=3.97
sdW=15.4
fwW=3.90
sdS=116.1
fwS=3.92
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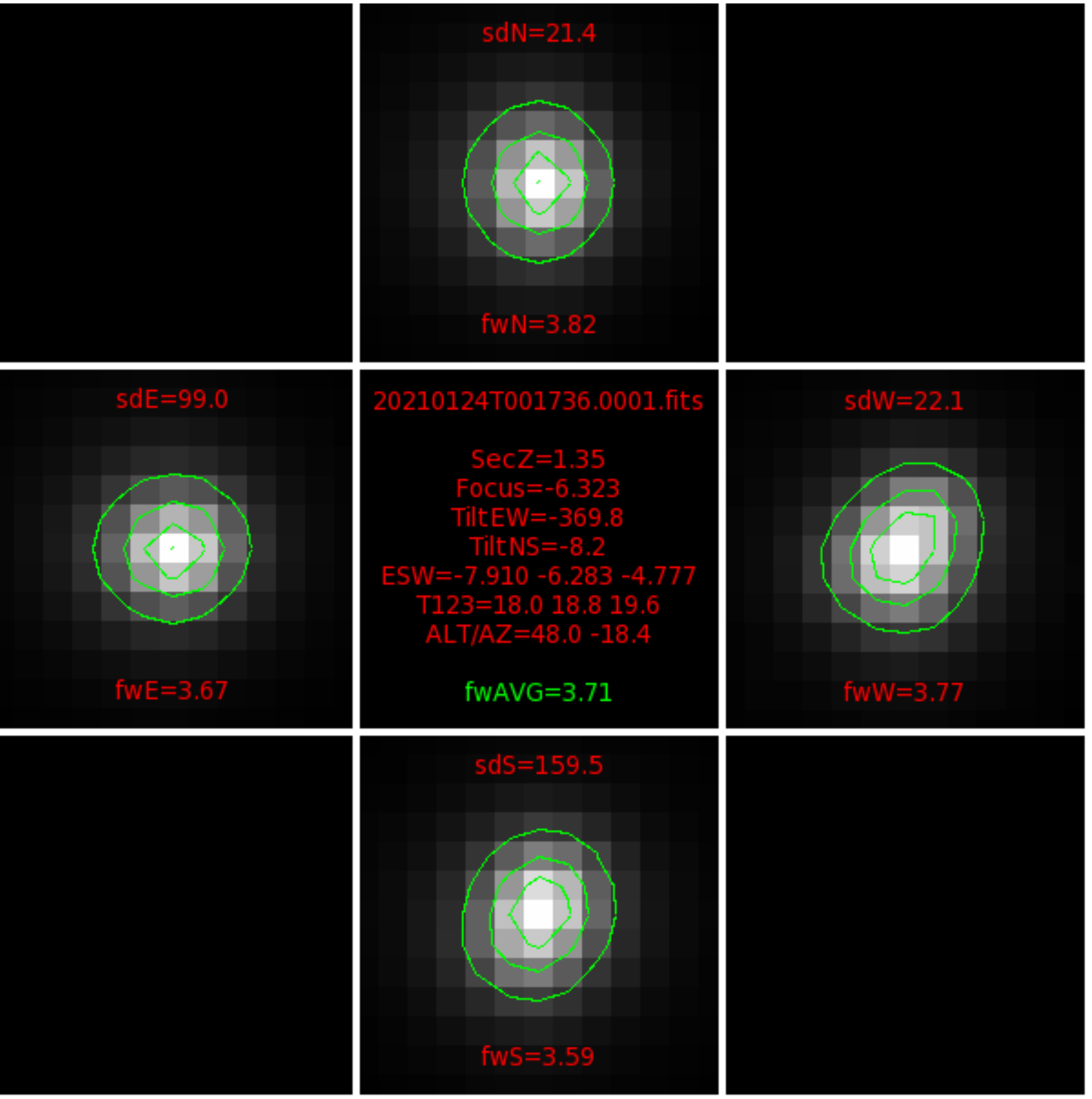
sdN=21.4
fwN=3.82
sdE=99.0
fwE=3.67
20210124T001736.0001.fits
SecZ=1.35
Focus=-6.323
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.910 -6.283 -4.777
T123=18.0 18.8 19.6
ALT/AZ=48.0 -18.4
fwAVG=3.71
sdW=22.1
fwW=3.77
sdS=159.5
fwS=3.59
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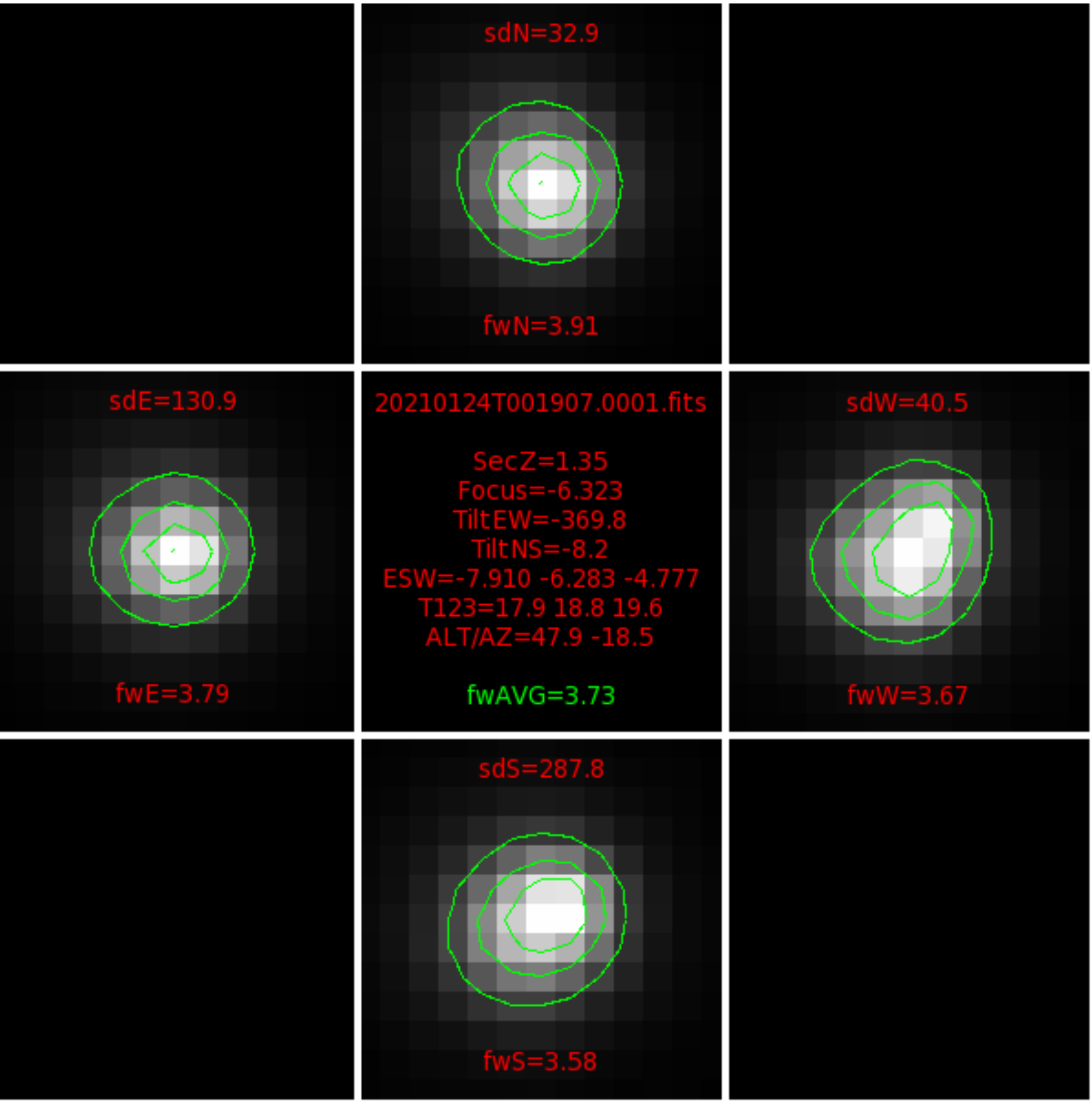
sdN=32.9
fwN=3.91
sdE=130.9
fwE=3.79
20210124T001907.0001.fits
SecZ=1.35
Focus=-6.323
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.910 -6.283 -4.777
T123=17.9 18.8 19.6
ALT/AZ=47.9 -18.5
fwAVG=3.73
sdW=40.5
fwW=3.67
sdS=287.8
fwS=3.58
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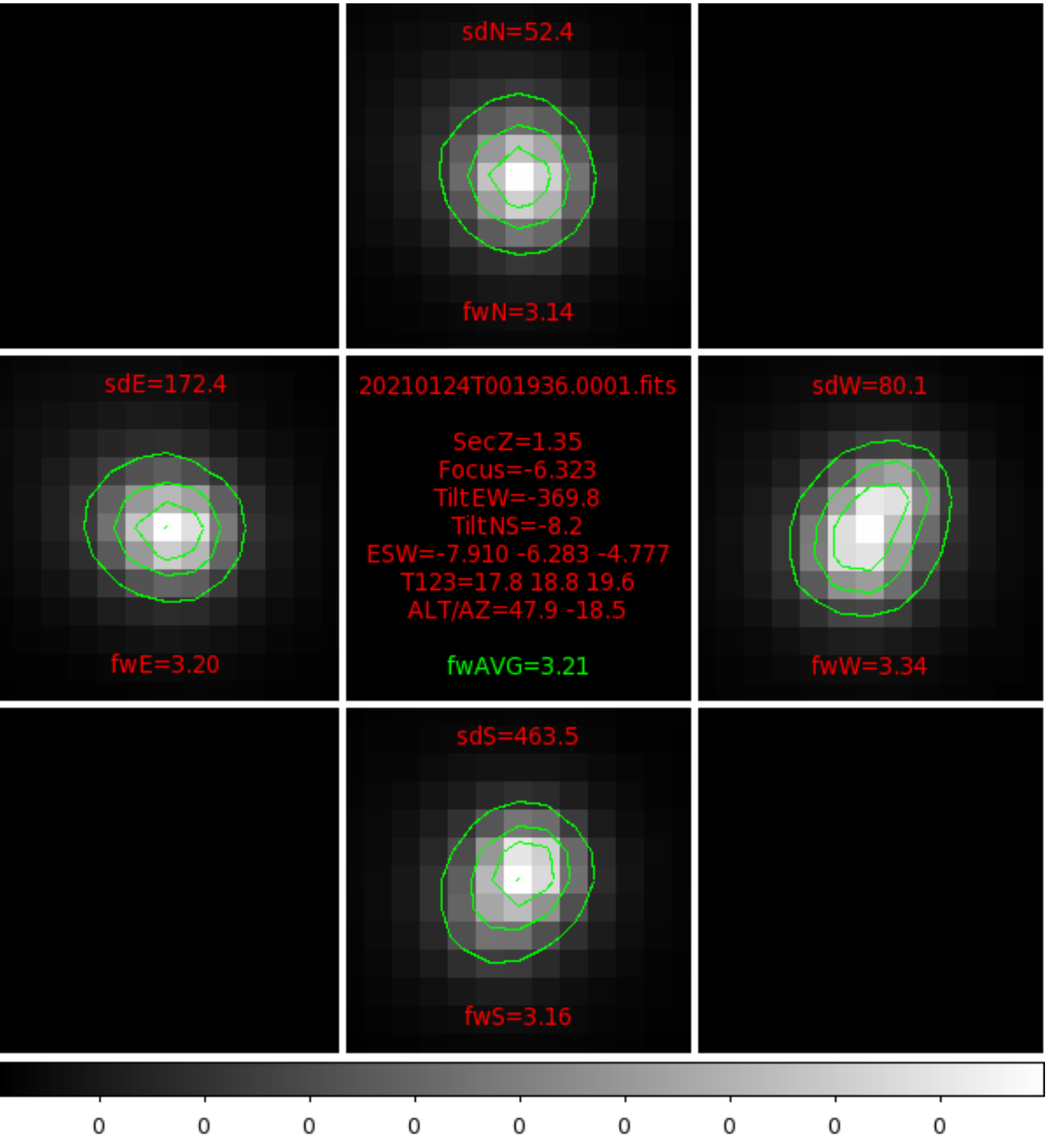
sdN=52.4
fwN=3.14
sdE=172.4
fwE=3.20
20210124T001936.0001.fits
SecZ=1.35
Focus=-6.323
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.910 -6.283 -4.777
T123=17.8 18.8 19.6
ALT/AZ=47.9 -18.5
fwAVG=3.21
sdW=80.1
fwW=3.34
sdS=463.5
fwS=3.16
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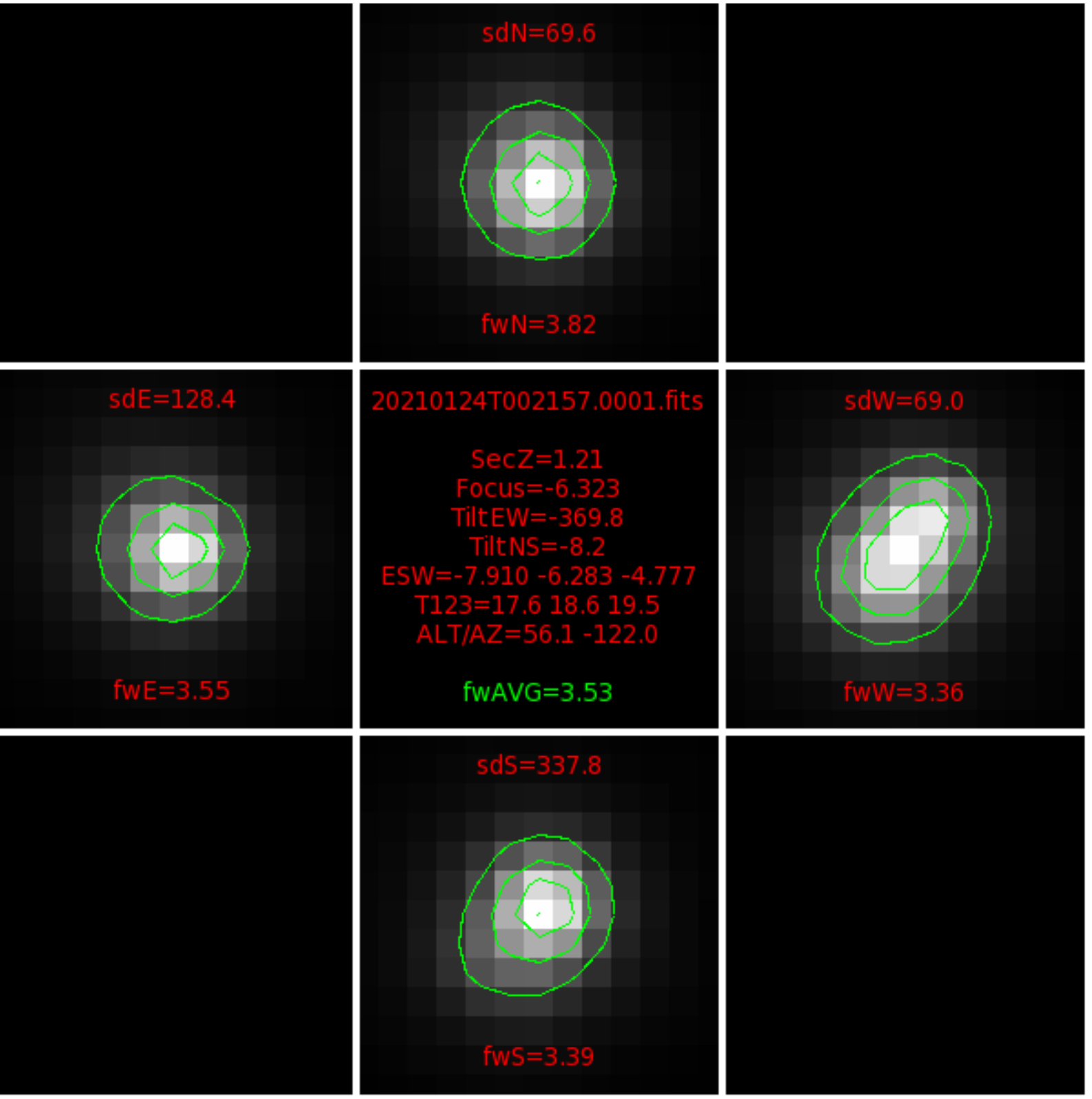
sdN=69.6
fwN=3.82
sdE=128.4
fwE=3.55
20210124T002157.0001.fits
SecZ=1.21
Focus=-6.323
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.910 -6.283 -4.777
T123=17.6 18.6 19.5
ALT/AZ=56.1 -122.0
fwAVG=3.53
sdW=69.0
fwW=3.36
sdS=337.8
fwS=3.39
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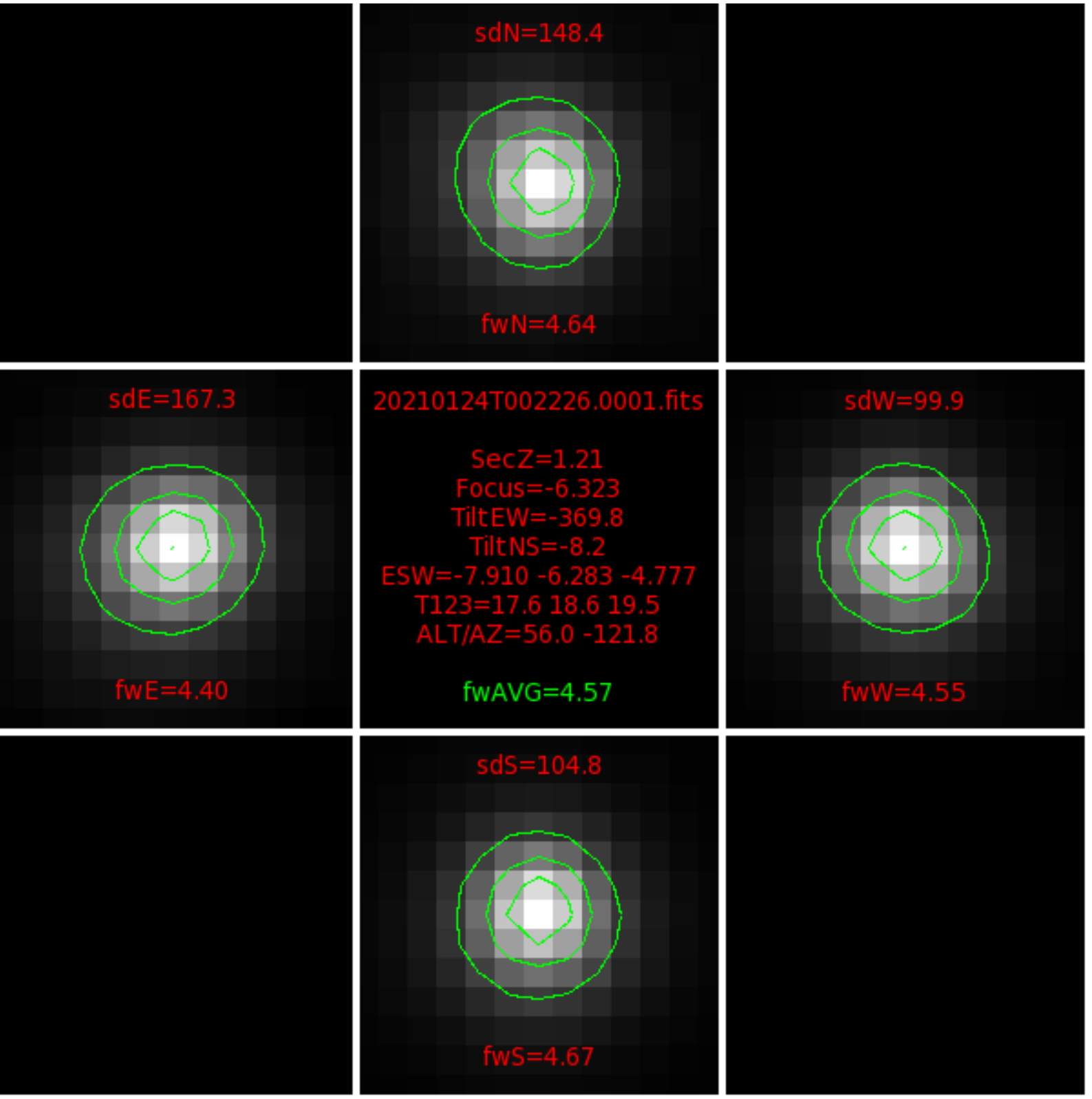
sdN=148.4
fwN=4.64
sdE=167.3
fwE=4.40
20210124T002226.0001.fits
SecZ=1.21
Focus=-6.323
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.910 -6.283 -4.777
T123=17.6 18.6 19.5
ALT/AZ=56.0 -121.8
fwAVG=4.57
sdW=99.9
fwW=4.55
sdS=104.8
fwS=4.67
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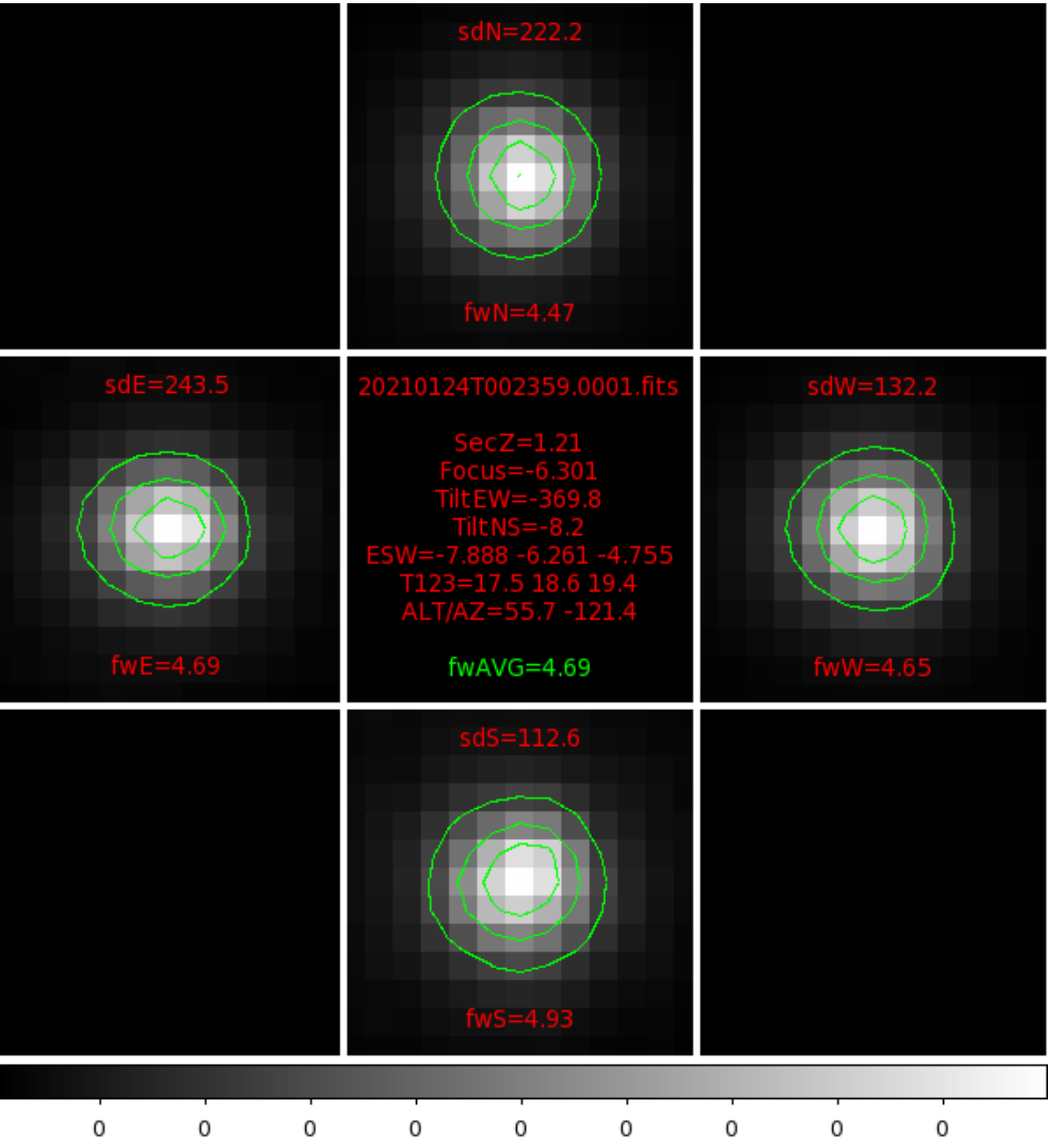
sdN=222.2
fwN=4.47
sdE=243.5
fwE=4.69
20210124T002359.0001.fits
SecZ=1.21
Focus=-6.301
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.888 -6.261 -4.755
T123=17.5 18.6 19.4
ALT/AZ=55.7 -121.4
fwAVG=4.69
sdW=132.2
fwW=4.65
sdS=112.6
fwS=4.93
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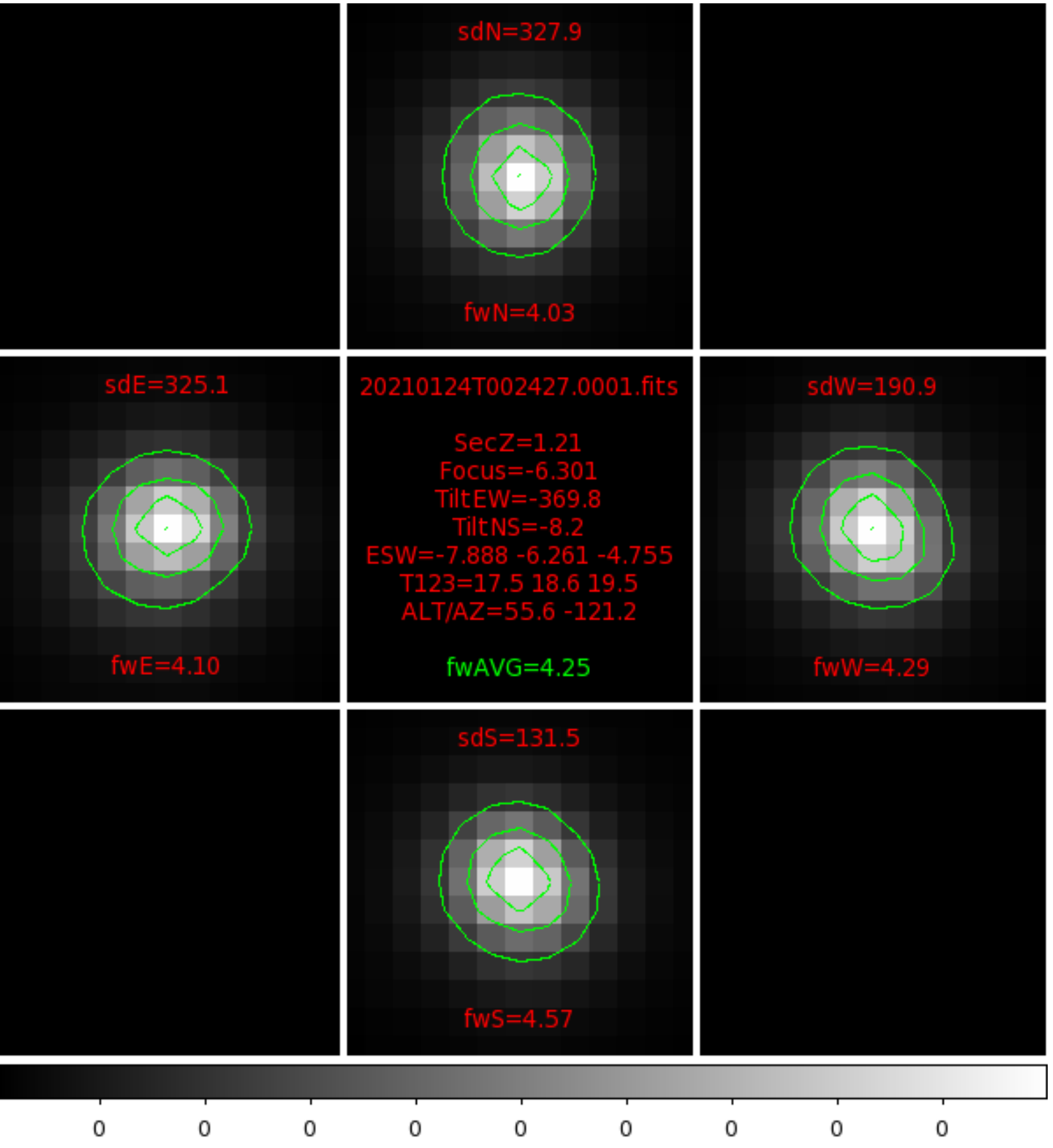
sdN=327.9
fwN=4.03
sdE=325.1
fwE=4.10
20210124T002427.0001.fits
SecZ=1.21
Focus=-6.301
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.888 -6.261 -4.755
T123=17.5 18.6 19.5
ALT/AZ=55.6 -121.2
fwAVG=4.25
sdW=190.9
fwW=4.29
sdS=131.5
fwS=4.57
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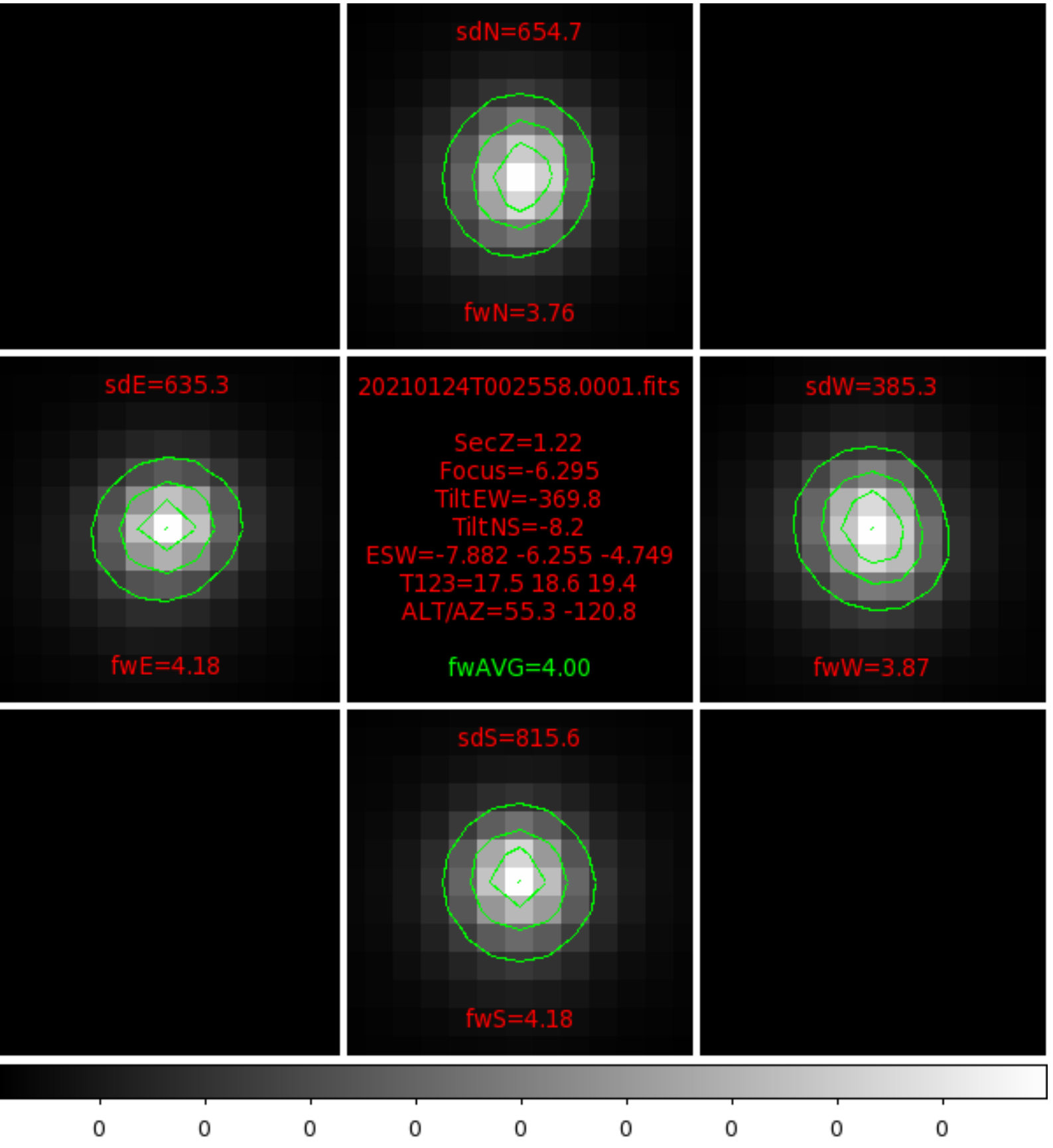
sdN=654.7
fwN=3.76
sdE=635.3
fwE=4.18
20210124T002558.0001.fits
SecZ=1.22
Focus=-6.295
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.882 -6.255 -4.749
T123=17.5 18.6 19.4
ALT/AZ=55.3 -120.8
fwAVG=4.00
sdW=385.3
fwW=3.87
sdS=815.6
fwS=4.18
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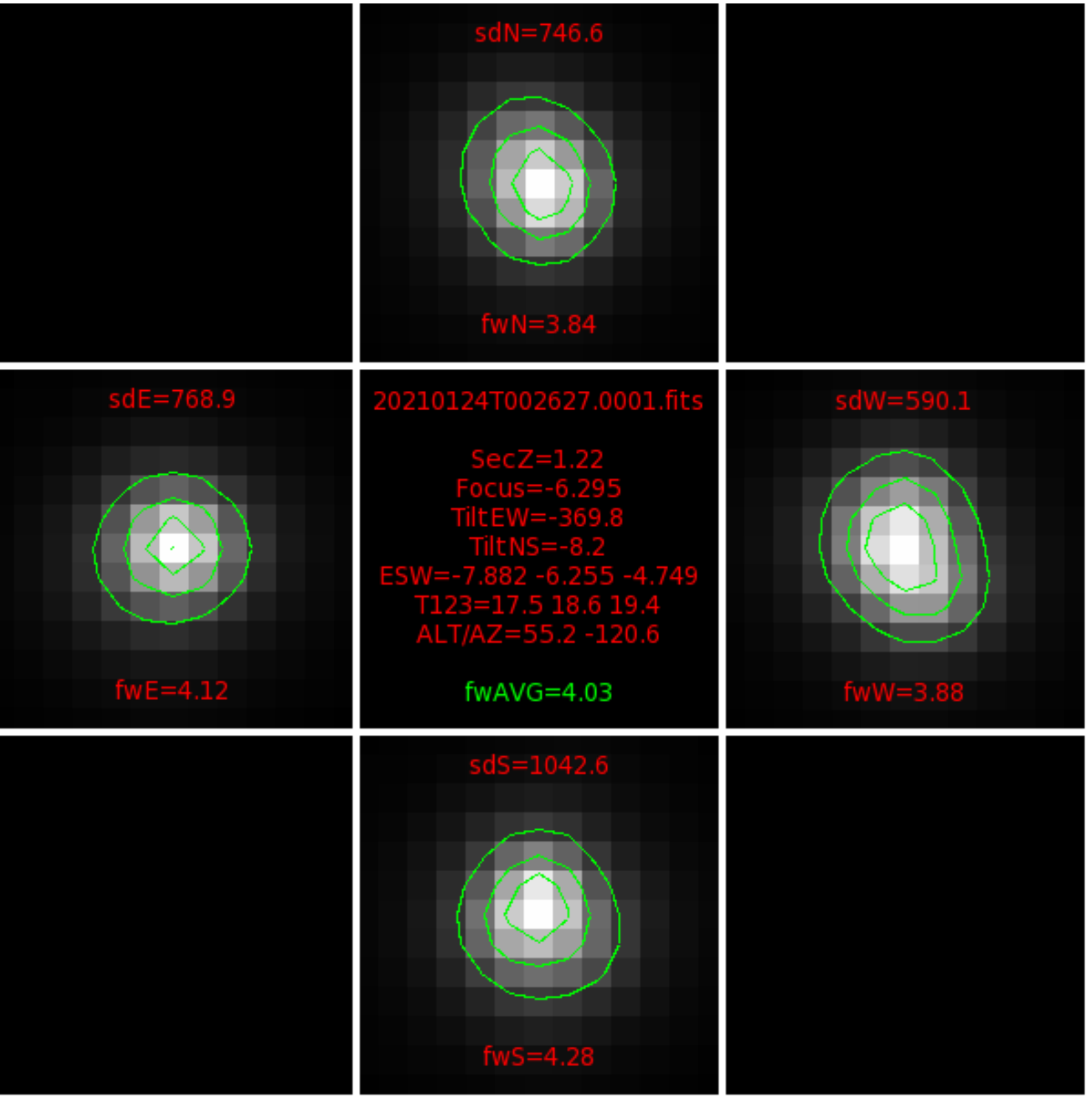
sdN=746.6
fwN=3.84
sdE=768.9
fwE=4.12
20210124T002627.0001.fits
SecZ=1.22
Focus=-6.295
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.882 -6.255 -4.749
T123=17.5 18.6 19.4
ALT/AZ=55.2 -120.6
fwAVG=4.03
sdW=590.1
fwW=3.88
sdS=1042.6
fwS=4.28
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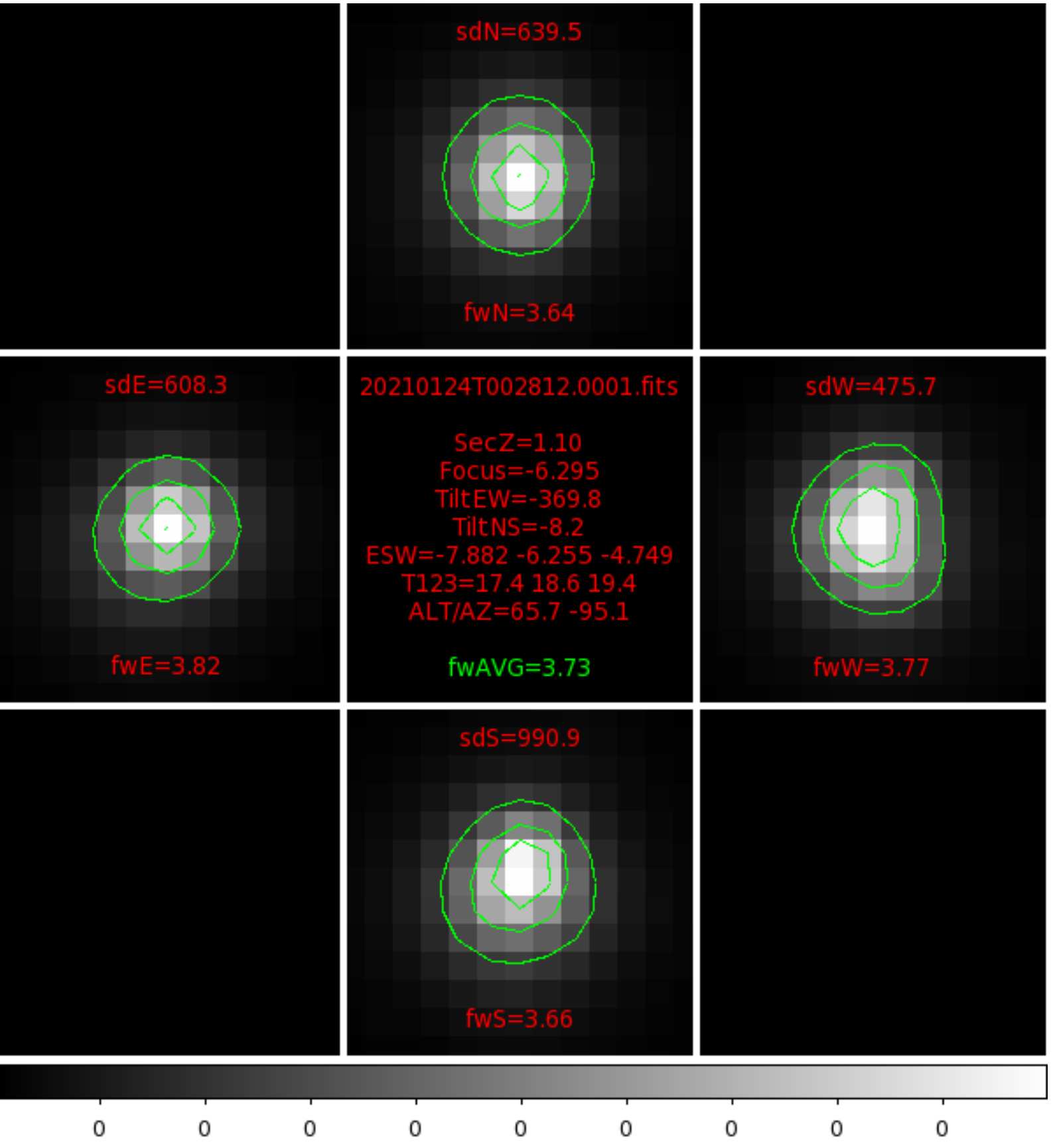
sdN=639.5
fwN=3.64
sdE=608.3
fwE=3.82
20210124T002812.0001.fits
SecZ=1.10
Focus=-6.295
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.882 -6.255 -4.749
T123=17.4 18.6 19.4
ALT/AZ=65.7 -95.1
fwAVG=3.73
sdW=475.7
fwW=3.77
sdS=990.9
fwS=3.66
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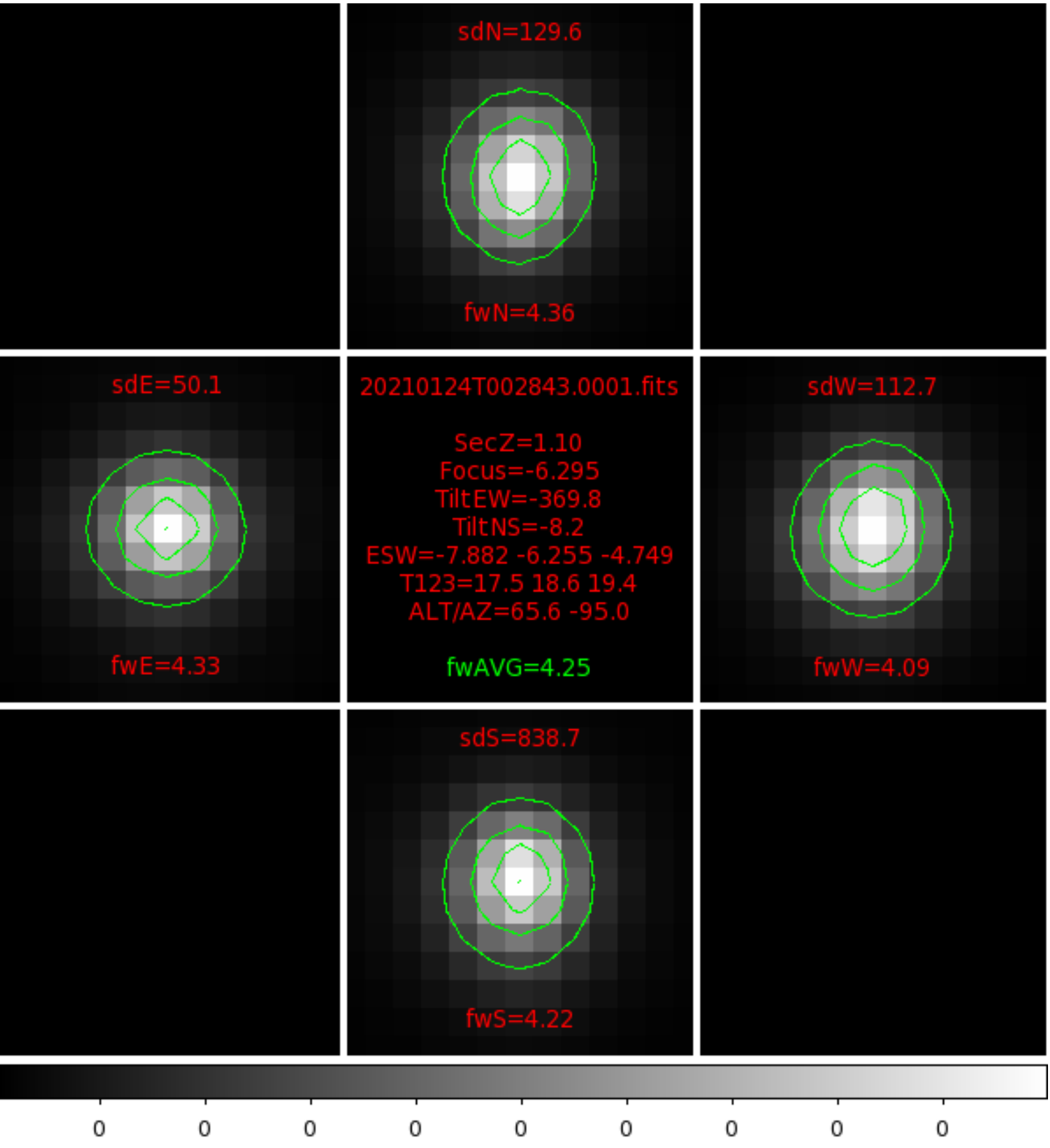
sdN=129.6
fwN=4.36
sdE=50.1
fwE=4.33
20210124T002843.0001.fits
SecZ=1.10
Focus=-6.295
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.882 -6.255 -4.749
T123=17.5 18.6 19.4
ALT/AZ=65.6 -95.0
fwAVG=4.25
sdW=112.7
fwW=4.09
sdS=838.7
fwS=4.22
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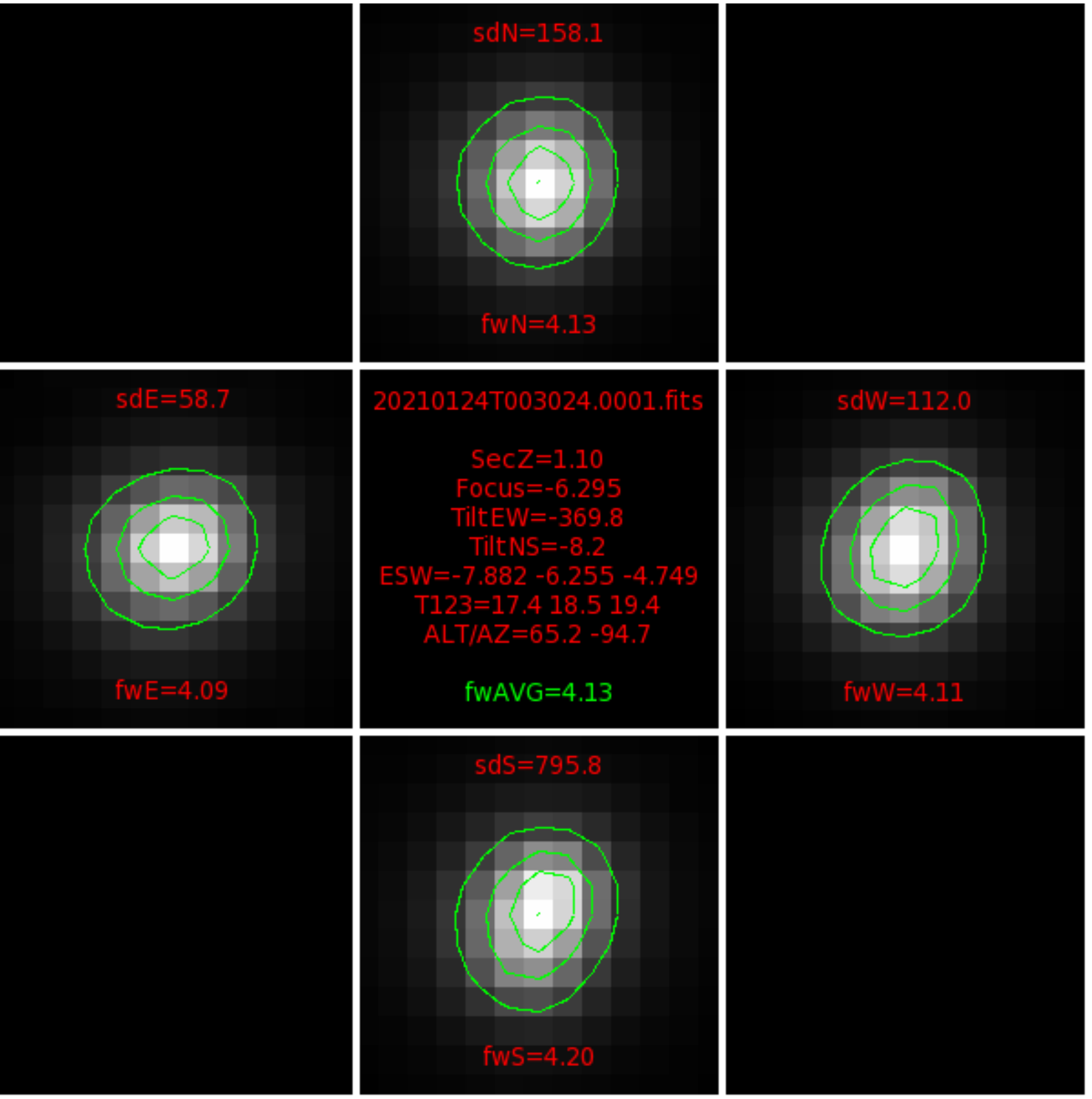
sdN=158.1
fwN=4.13
sdE=58.7
fwE=4.09
20210124T003024.0001.fits
SecZ=1.10
Focus=-6.295
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.882 -6.255 -4.749
T123=17.4 18.5 19.4
ALT/AZ=65.2 -94.7
fwAVG=4.13
sdW=112.0
fwW=4.11
sdS=795.8
fwS=4.20
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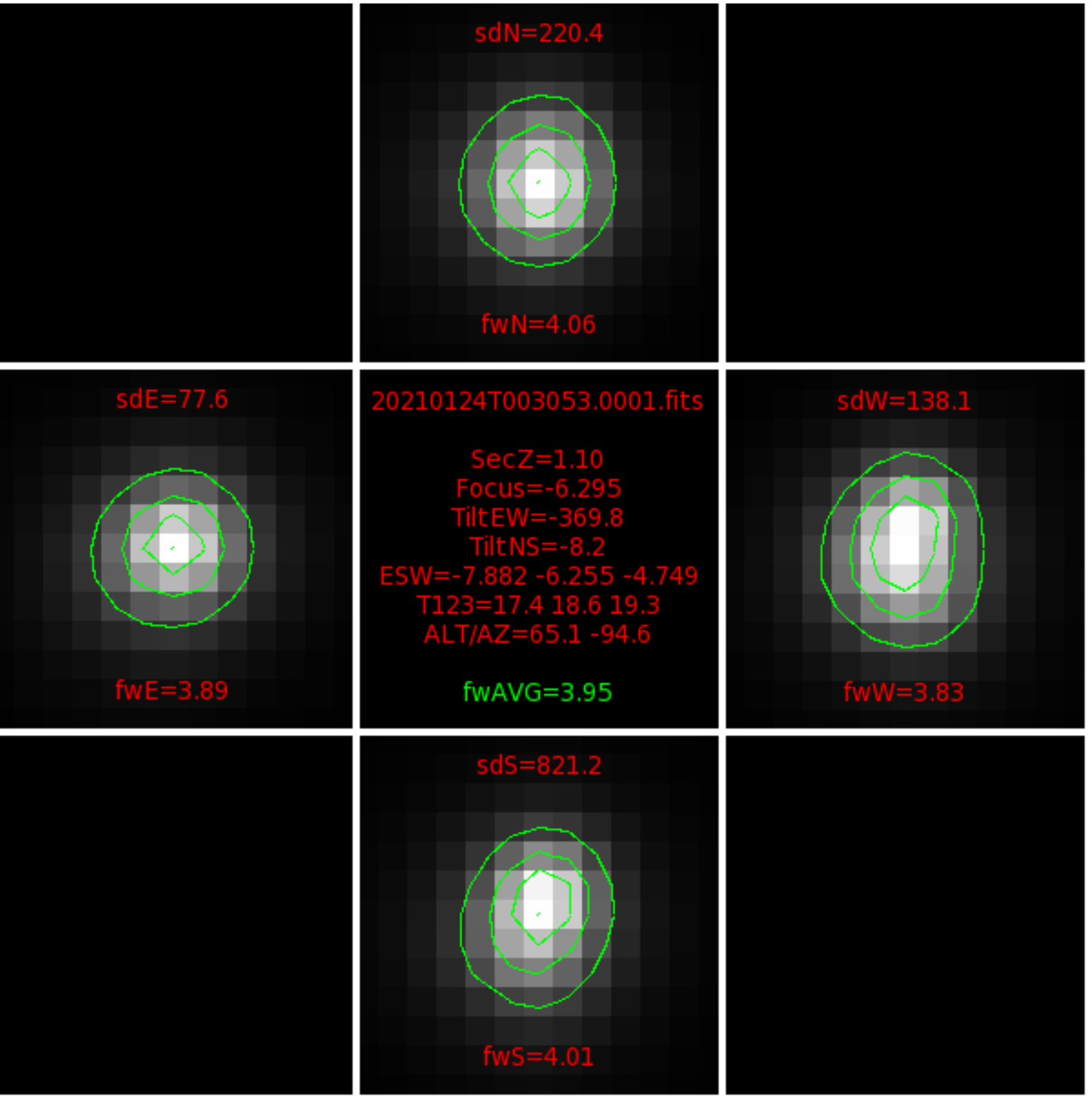
sdN=220.4
fwN=4.06
sdE=77.6
fwE=3.89
20210124T003053.0001.fits
SecZ=1.10
Focus=-6.295
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.882 -6.255 -4.749
T123=17.4 18.6 19.3
ALT/AZ=65.1 -94.6
fwAVG=3.95
sdW=138.1
fwW=3.83
sdS=821.2
fwS=4.01
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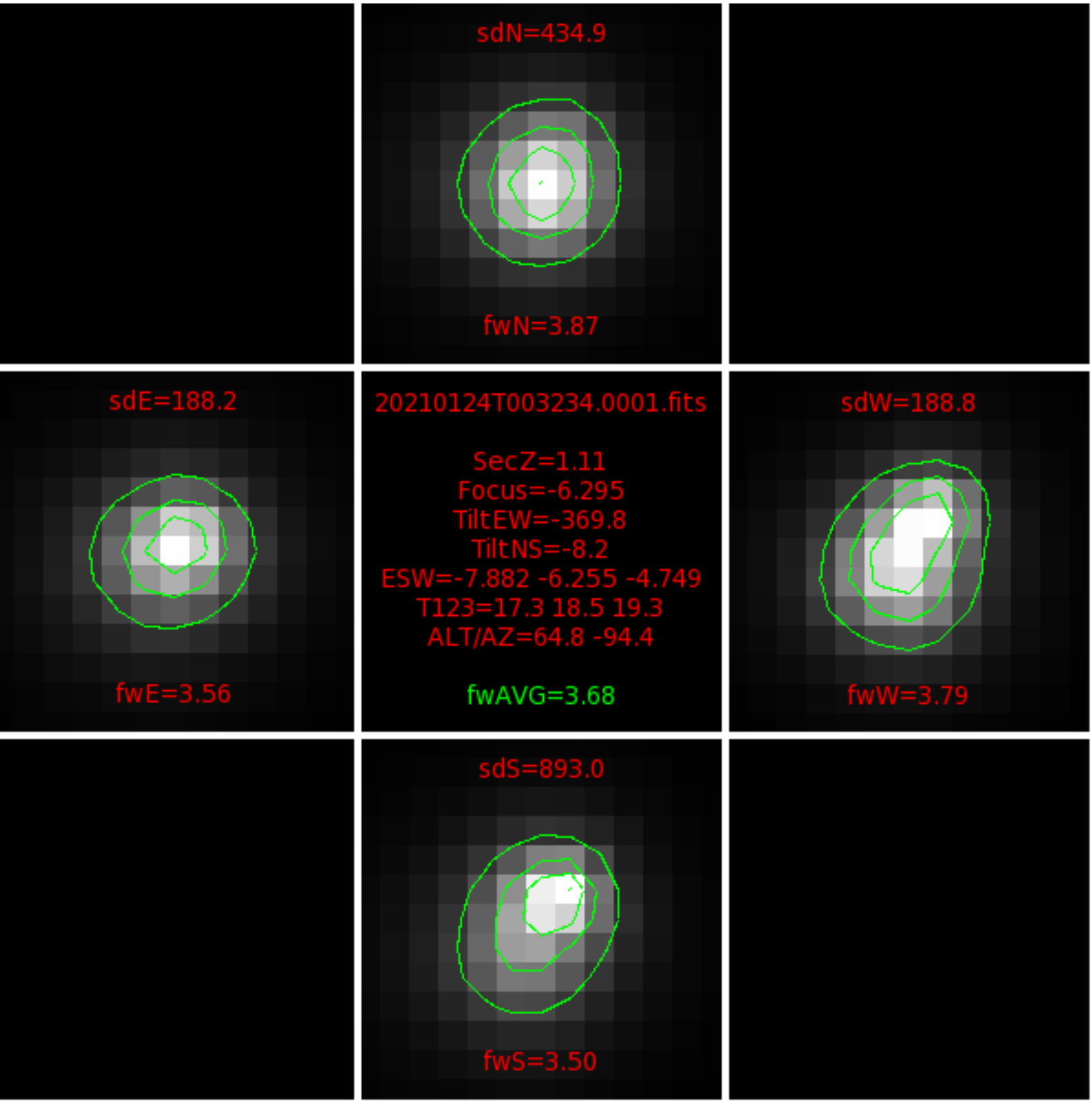
sdN=434.9
fwN=3.87
sdE=188.2
fwE=3.56
20210124T003234.0001.fits
SecZ=1.11
Focus=-6.295
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.882 -6.255 -4.749
T123=17.3 18.5 19.3
ALT/AZ=64.8 -94.4
fwAVG=3.68
sdW=188.8
fwW=3.79
sdS=893.0
fwS=3.50
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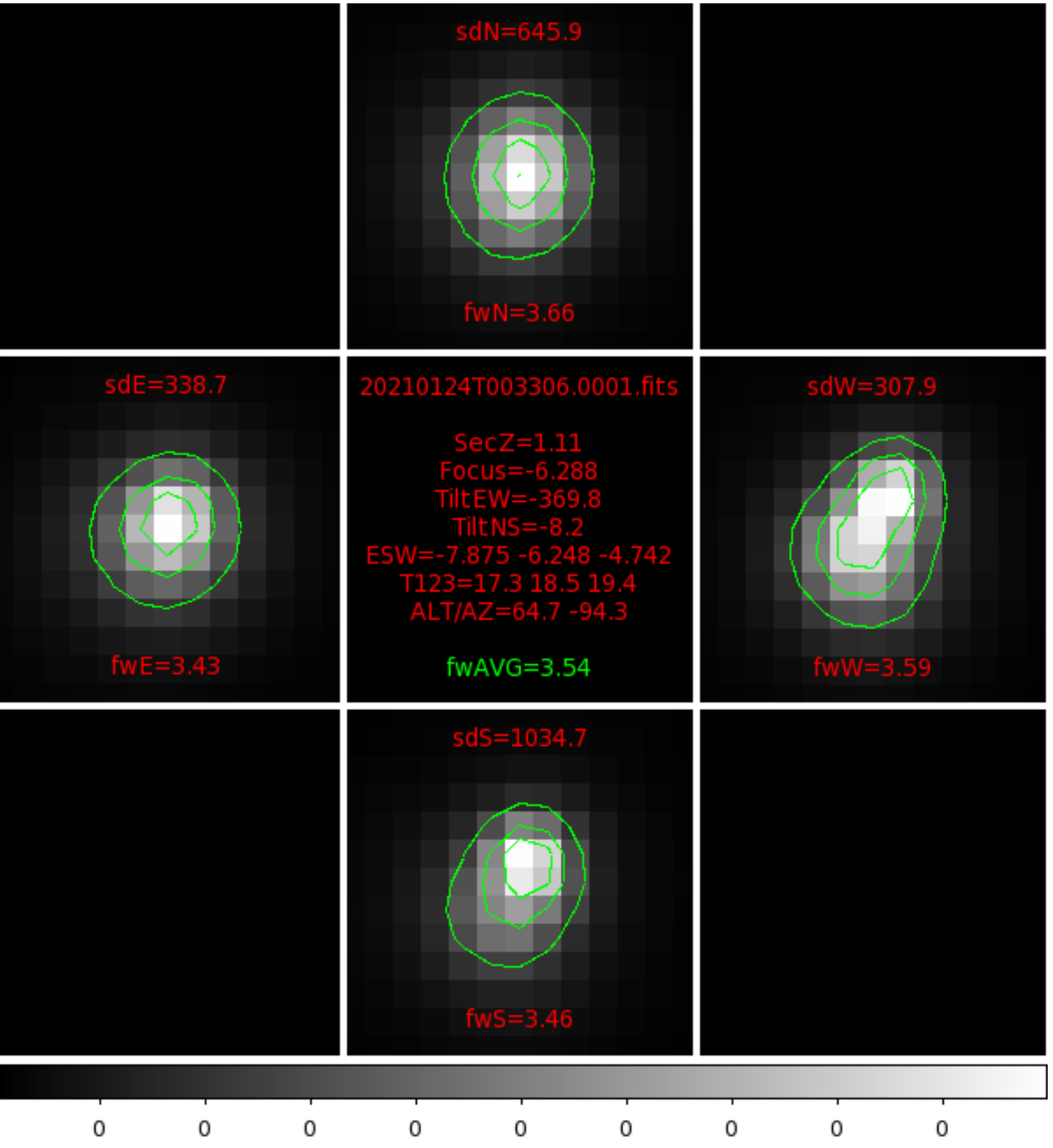
sdN=645.9
fwN=3.66
sdE=338.7
fwE=3.43
20210124T003306.0001.fits
SecZ=1.11
Focus=-6.288
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.875 -6.248 -4.742
T123=17.3 18.5 19.4
ALT/AZ=64.7 -94.3
fwAVG=3.54
sdW=307.9
fwW=3.59
sdS=1034.7
fwS=3.46
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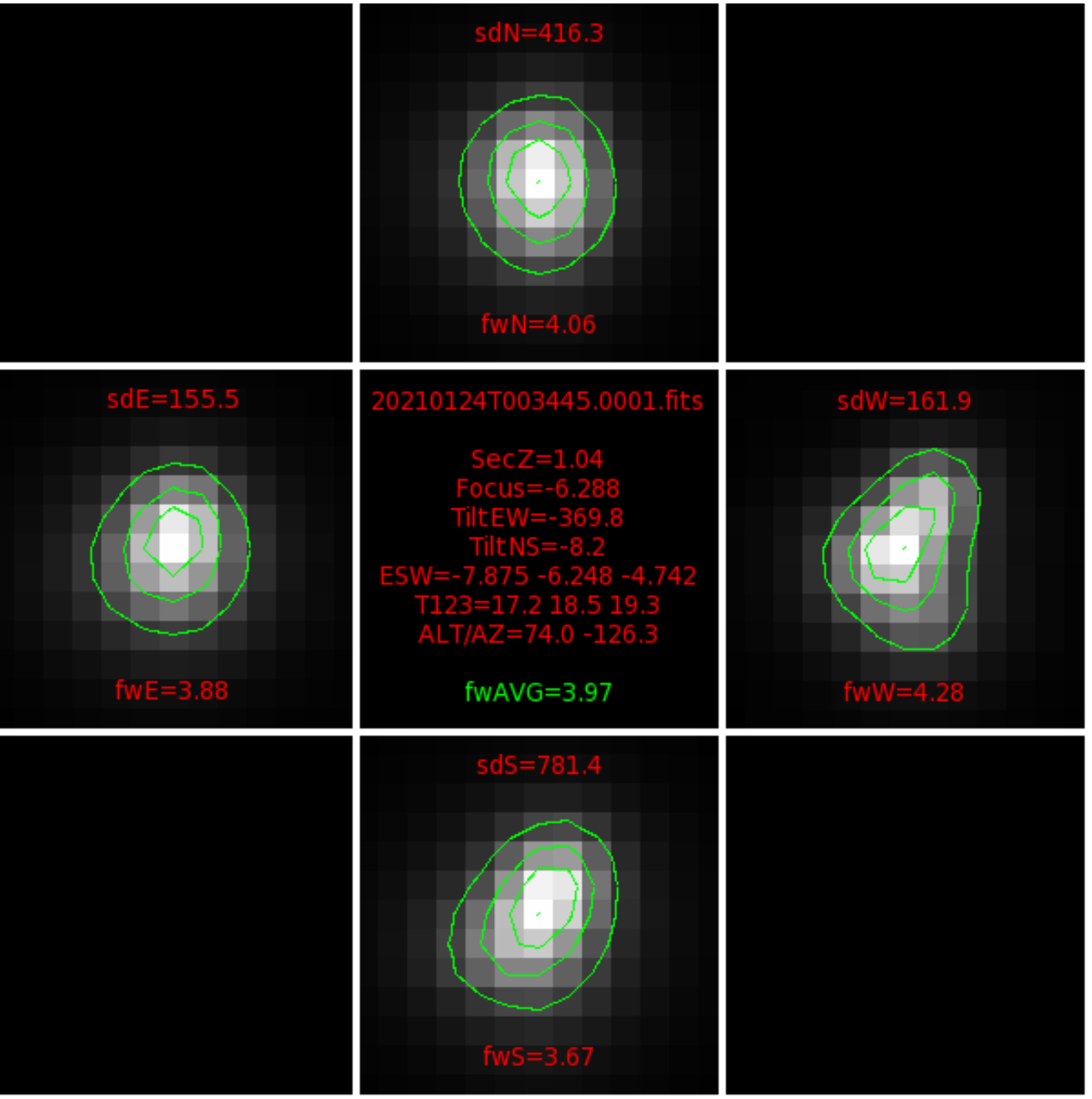
sdN=416.3
fwN=4.06
sdE=155.5
fwE=3.88
20210124T003445.0001.fits
SecZ=1.04
Focus=-6.288
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.875 -6.248 -4.742
T123=17.2 18.5 19.3
ALT/AZ=74.0 -126.3
fwAVG=3.97
sdW=161.9
fwW=4.28
sdS=781.4
fwS=3.67
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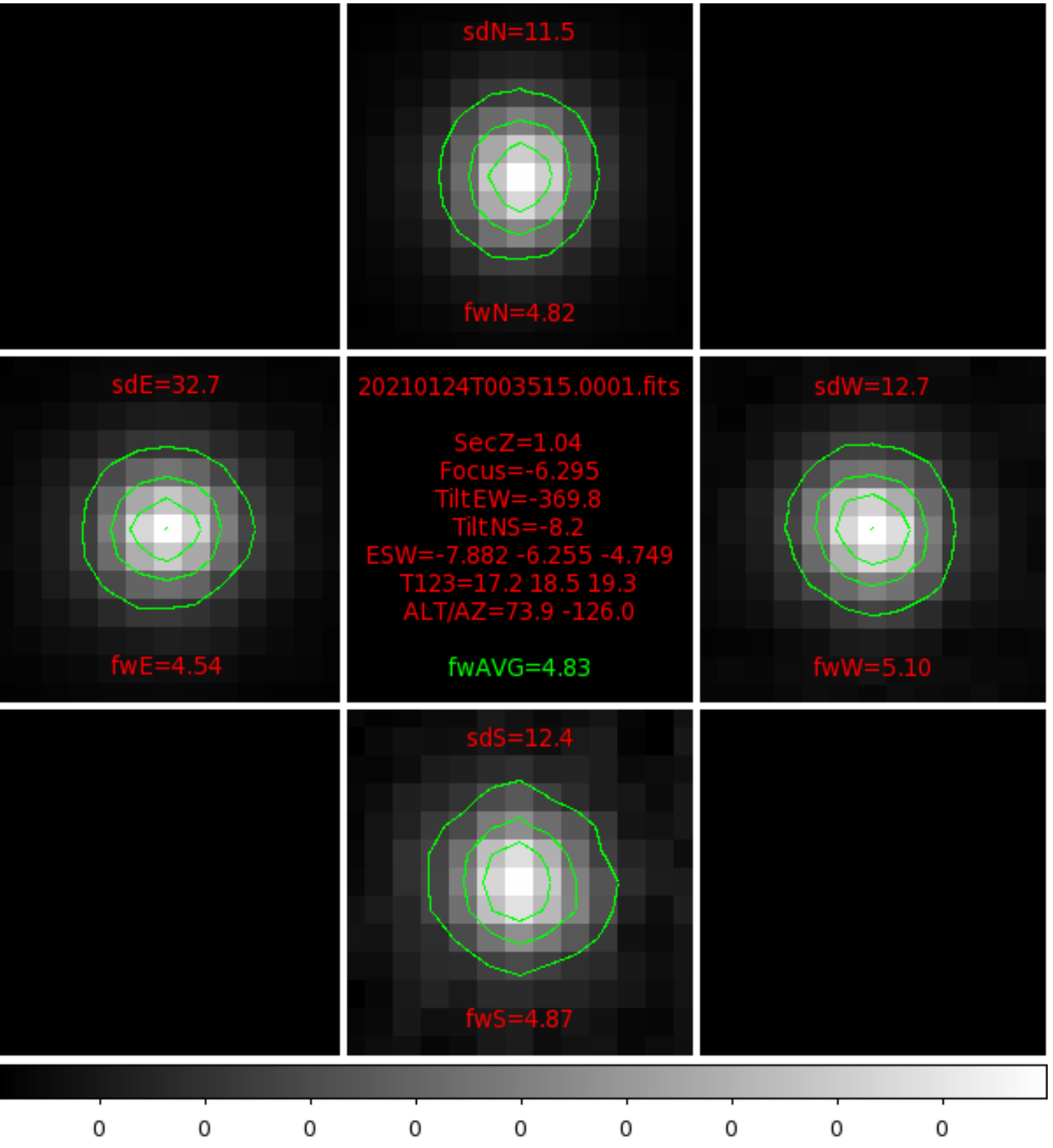
sdN=11.5
fwN=4.82
sdE=32.7
fwE=4.54
20210124T003515.0001.fits
SecZ=1.04
Focus=-6.295
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.882 -6.255 -4.749
T123=17.2 18.5 19.3
ALT/AZ=73.9 -126.0
fwAVG=4.83
sdW=12.7
fwW=5.10
sdS=12.4
fwS=4.87
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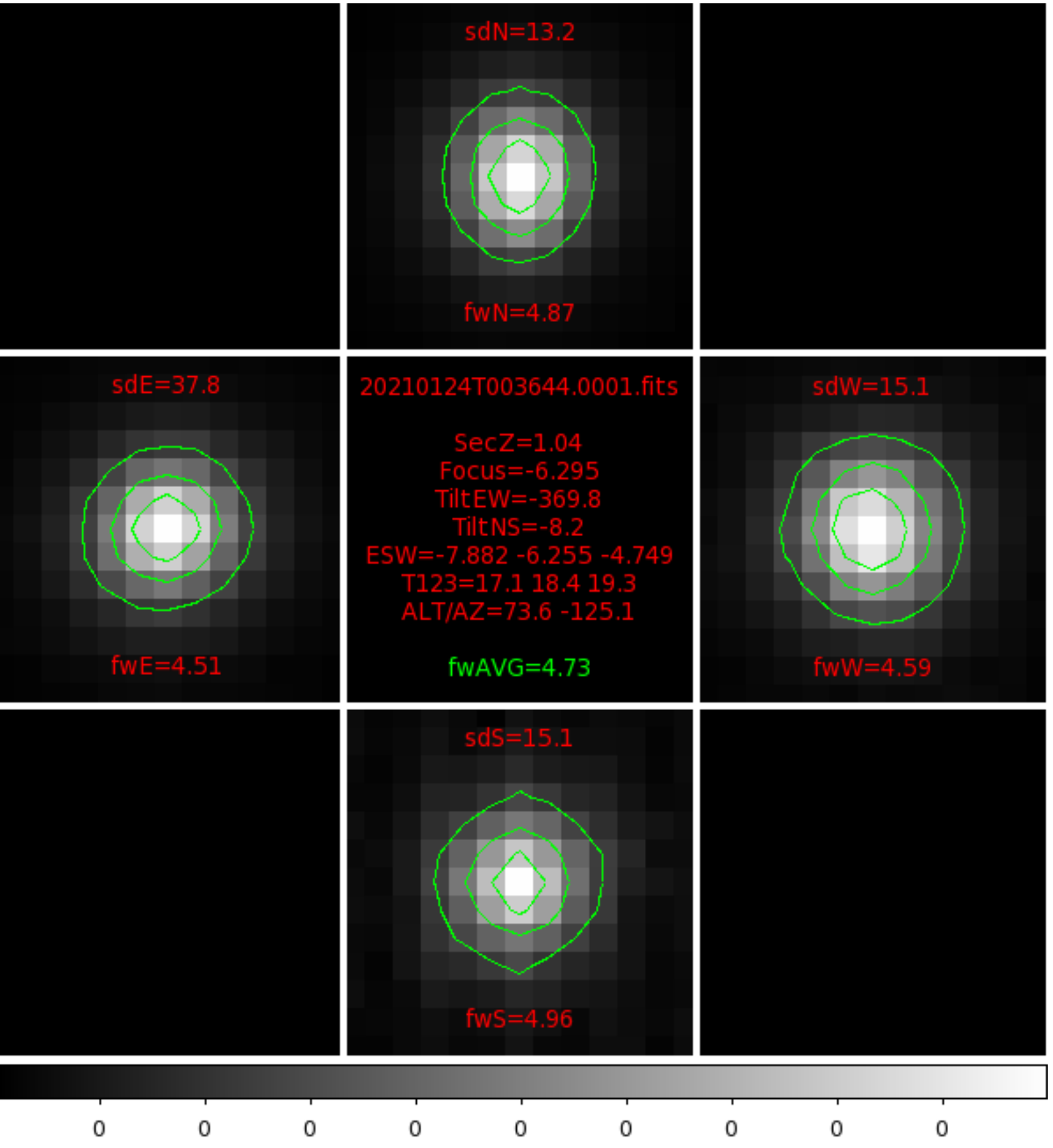
sdN=13.2
fwN=4.87
sdE=37.8
fwE=4.51
20210124T003644.0001.fits
SecZ=1.04
Focus=-6.295
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.882 -6.255 -4.749
T123=17.1 18.4 19.3
ALT/AZ=73.6 -125.1
fwAVG=4.73
sdW=15.1
fwW=4.59
sdS=15.1
fwS=4.96
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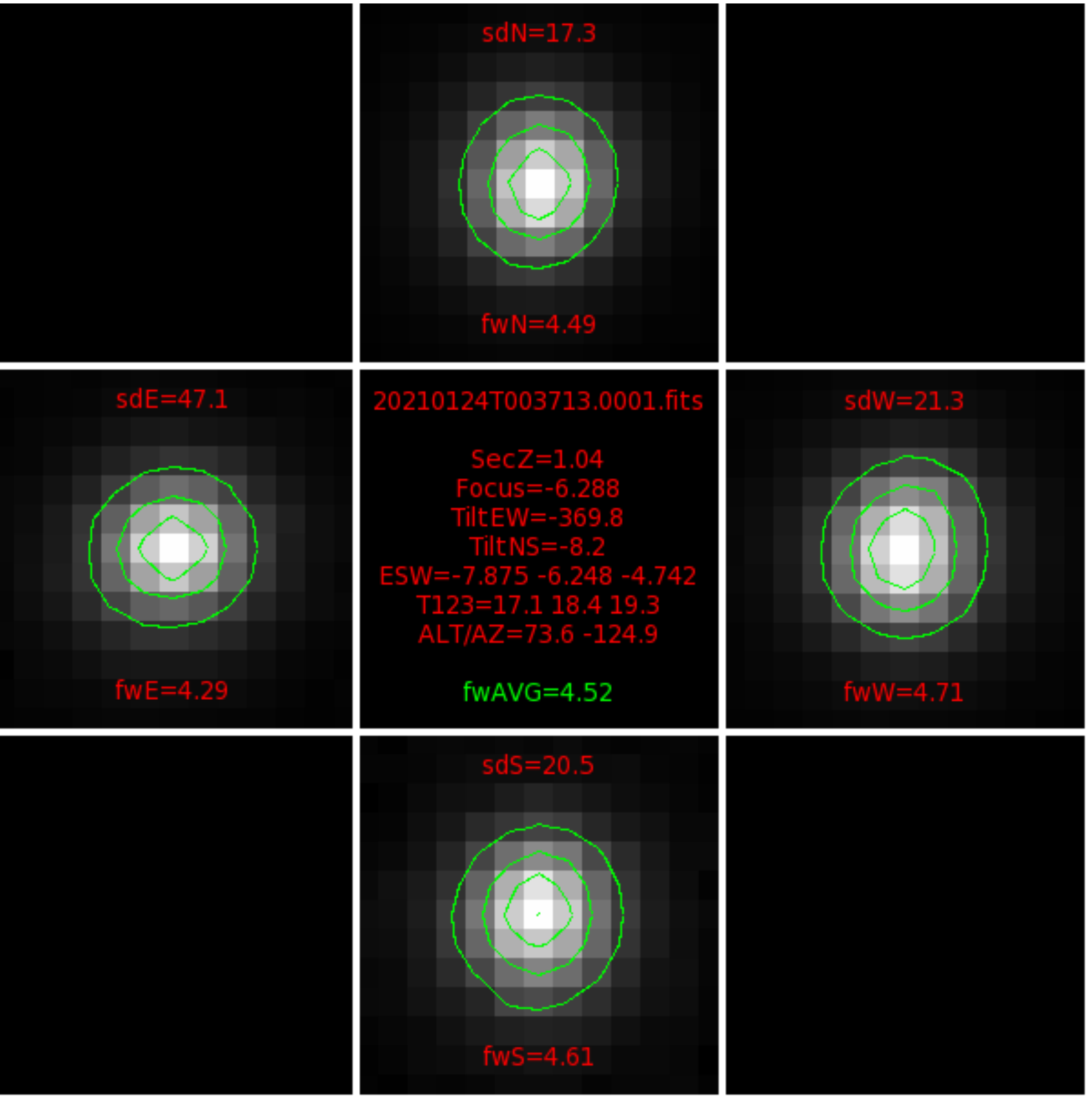
sdN=17.3
fwN=4.49
sdE=47.1
fwE=4.29
20210124T003713.0001.fits
SecZ=1.04
Focus=-6.288
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.875 -6.248 -4.742
T123=17.1 18.4 19.3
ALT/AZ=73.6 -124.9
fwAVG=4.52
sdW=21.3
fwW=4.71
sdS=20.5
fwS=4.61
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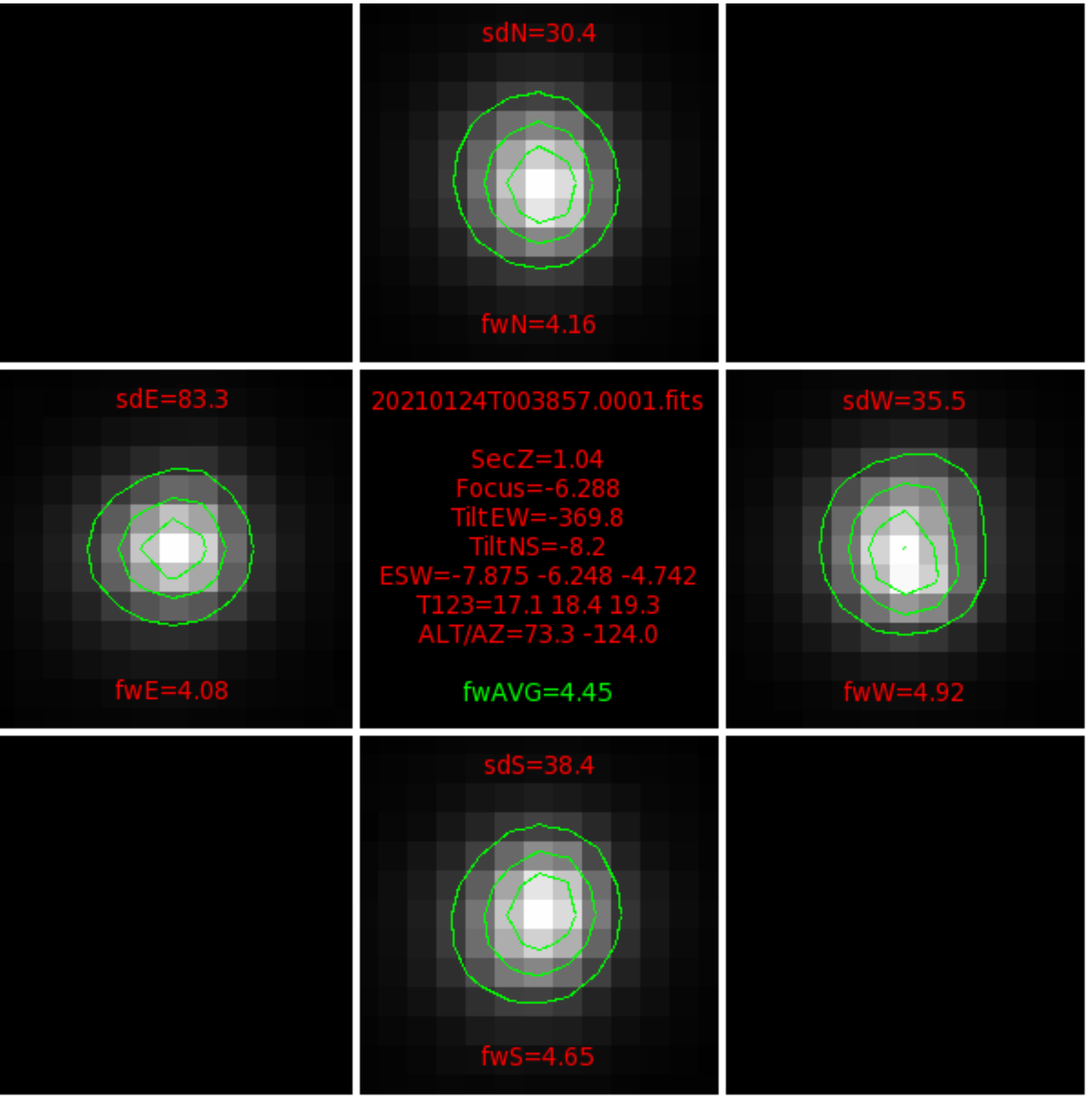
sdN=30.4
fwN=4.16
sdE=83.3
fwE=4.08
20210124T003857.0001.fits
SecZ=1.04
Focus=-6.288
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.875 -6.248 -4.742
T123=17.1 18.4 19.3
ALT/AZ=73.3 -124.0
fwAVG=4.45
sdW=35.5
fwW=4.92
sdS=38.4
fwS=4.65
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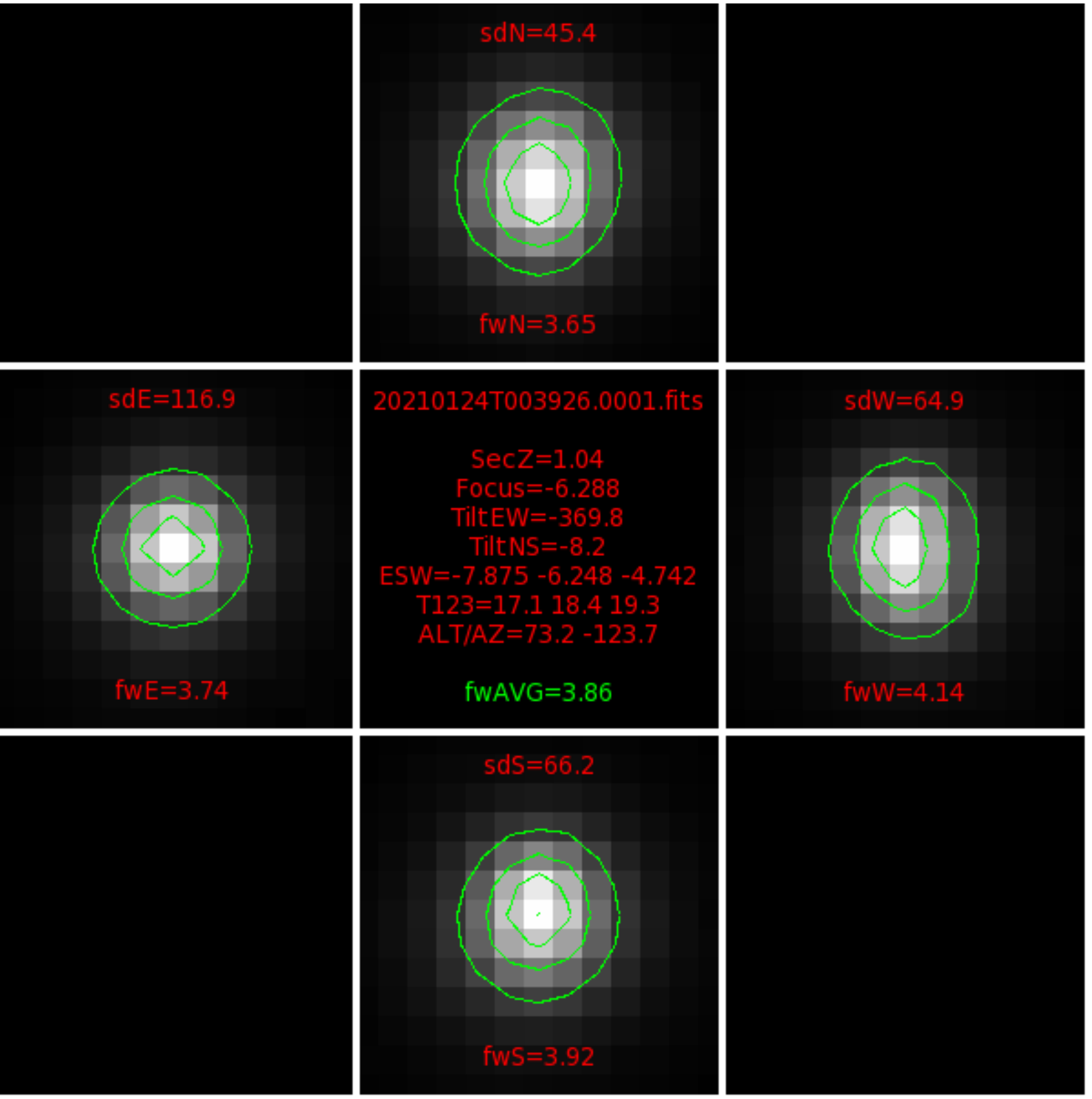
sdN=45.4
fwN=3.65
sdE=116.9
fwE=3.74
20210124T003926.0001.fits
SecZ=1.04
Focus=-6.288
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.875 -6.248 -4.742
T123=17.1 18.4 19.3
ALT/AZ=73.2 -123.7
fwAVG=3.86
sdW=64.9
fwW=4.14
sdS=66.2
fwS=3.92
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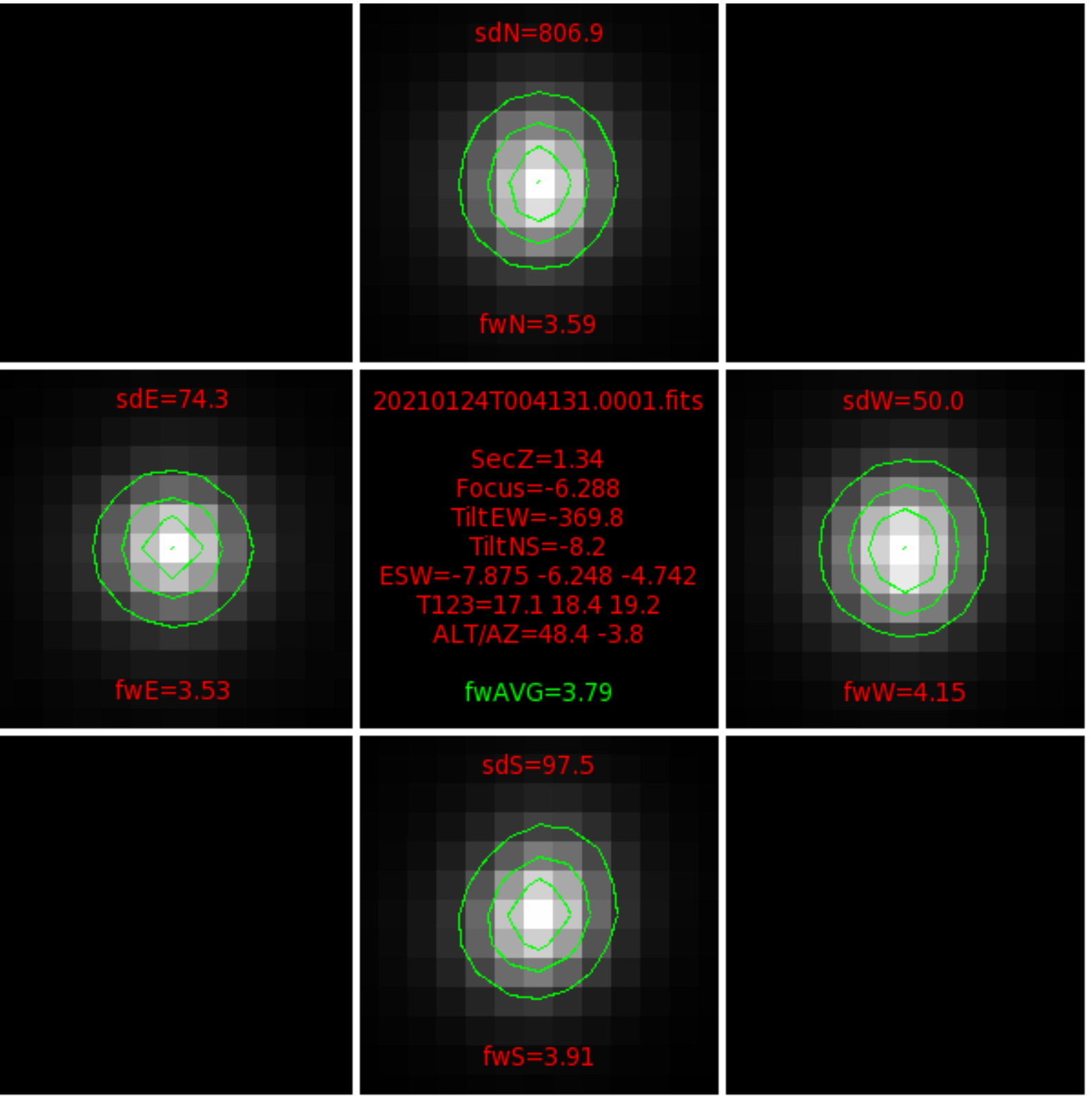
sdN=806.9
fwN=3.59
sdE=74.3
fwE=3.53
20210124T004131.0001.fits
SecZ=1.34
Focus=-6.288
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.875 -6.248 -4.742
T123=17.1 18.4 19.2
ALT/AZ=48.4 -3.8
fwAVG=3.79
sdW=50.0
fwW=4.15
sdS=97.5
fwS=3.91
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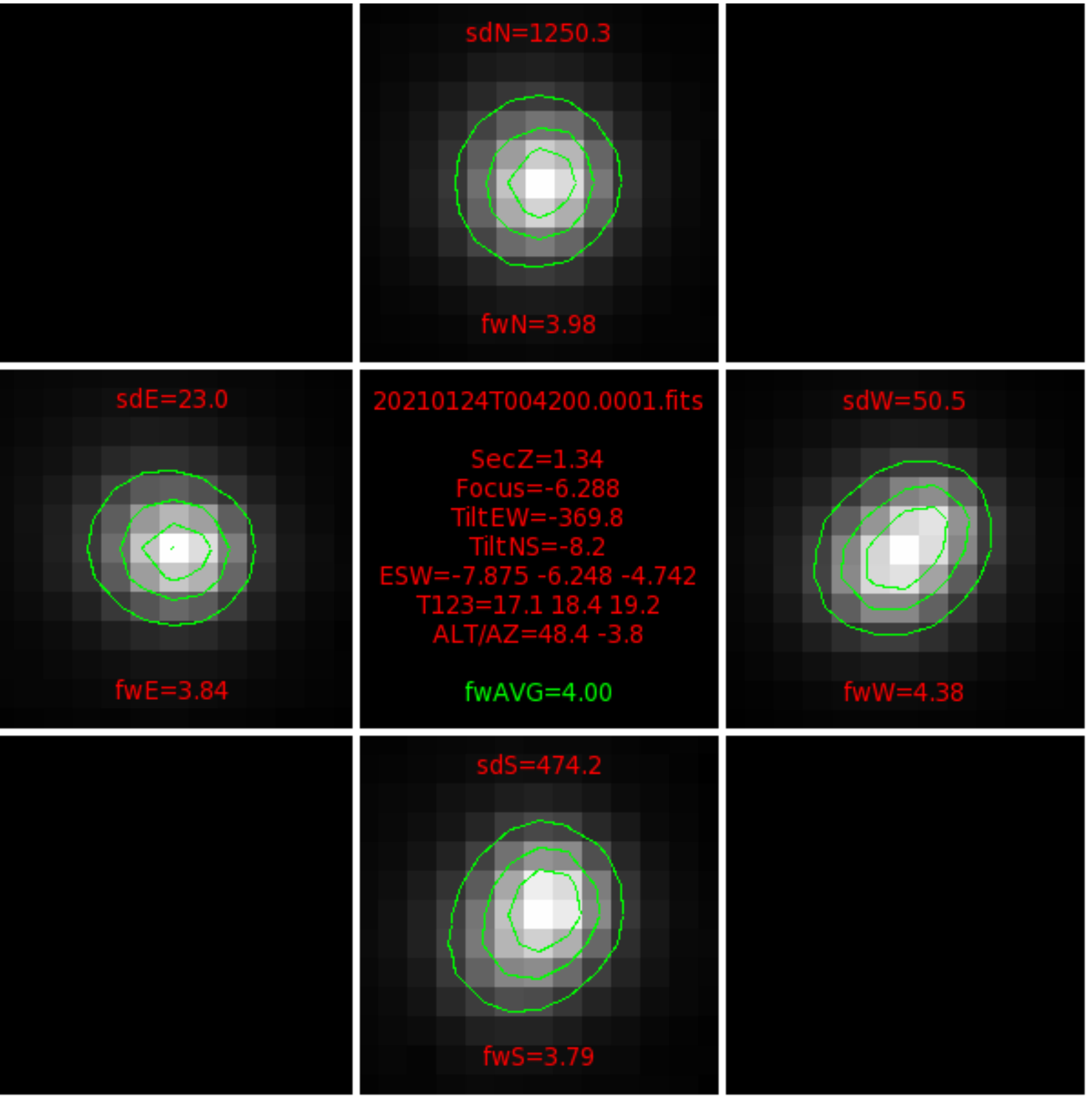
sdN=1250.3
fwN=3.98
sdE=23.0
fwE=3.84
20210124T004200.0001.fits
SecZ=1.34
Focus=-6.288
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.875 -6.248 -4.742
T123=17.1 18.4 19.2
ALT/AZ=48.4 -3.8
fwAVG=4.00
sdW=50.5
fwW=4.38
sdS=474.2
fwS=3.79
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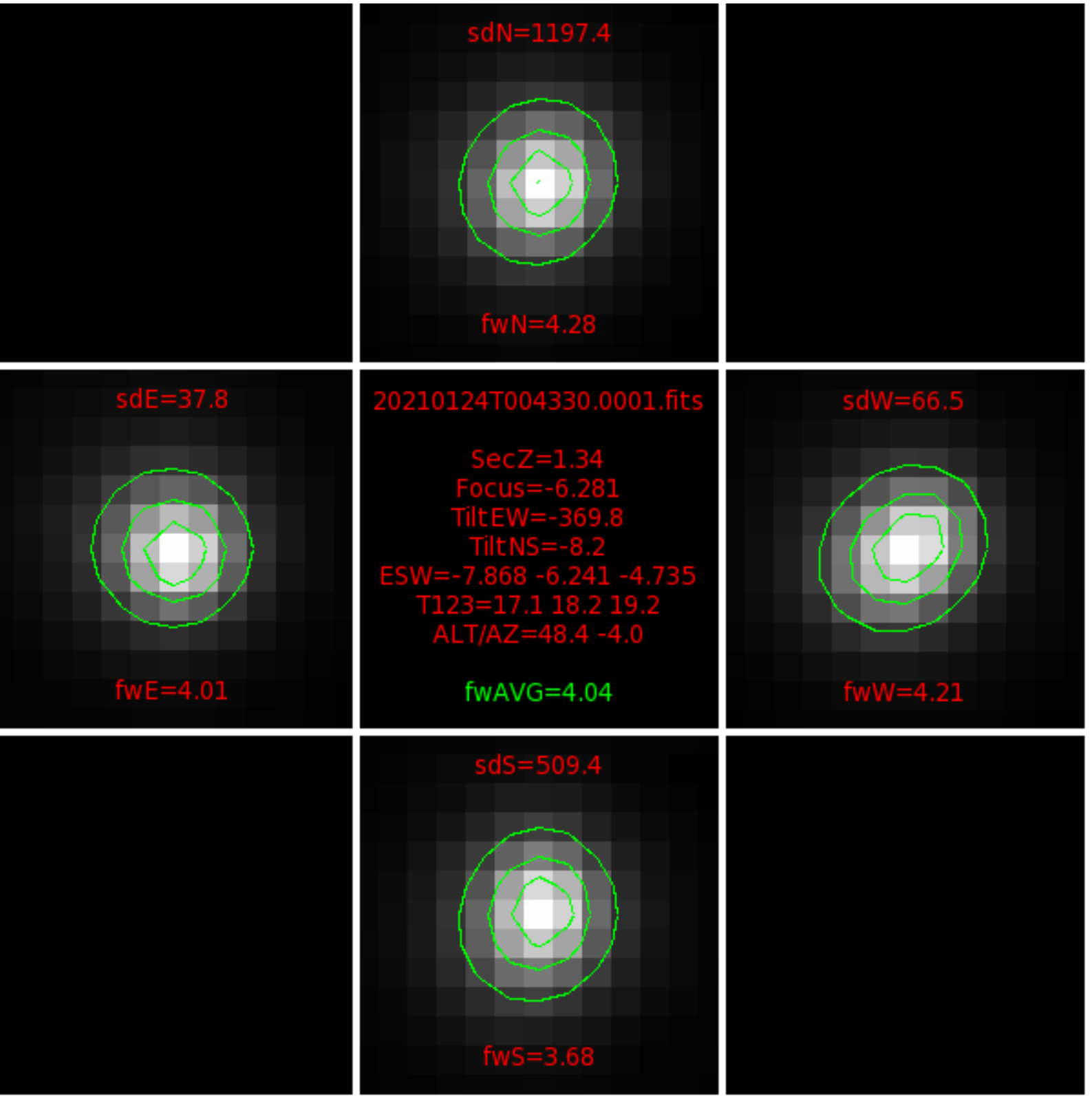
sdN=1197.4
fwN=4.28
sdE=37.8
fwE=4.01
20210124T004330.0001.fits
SecZ=1.34
Focus=-6.281
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.868 -6.241 -4.735
T123=17.1 18.2 19.2
ALT/AZ=48.4 -4.0
fwAVG=4.04
sdW=66.5
fwW=4.21
sdS=509.4
fwS=3.68
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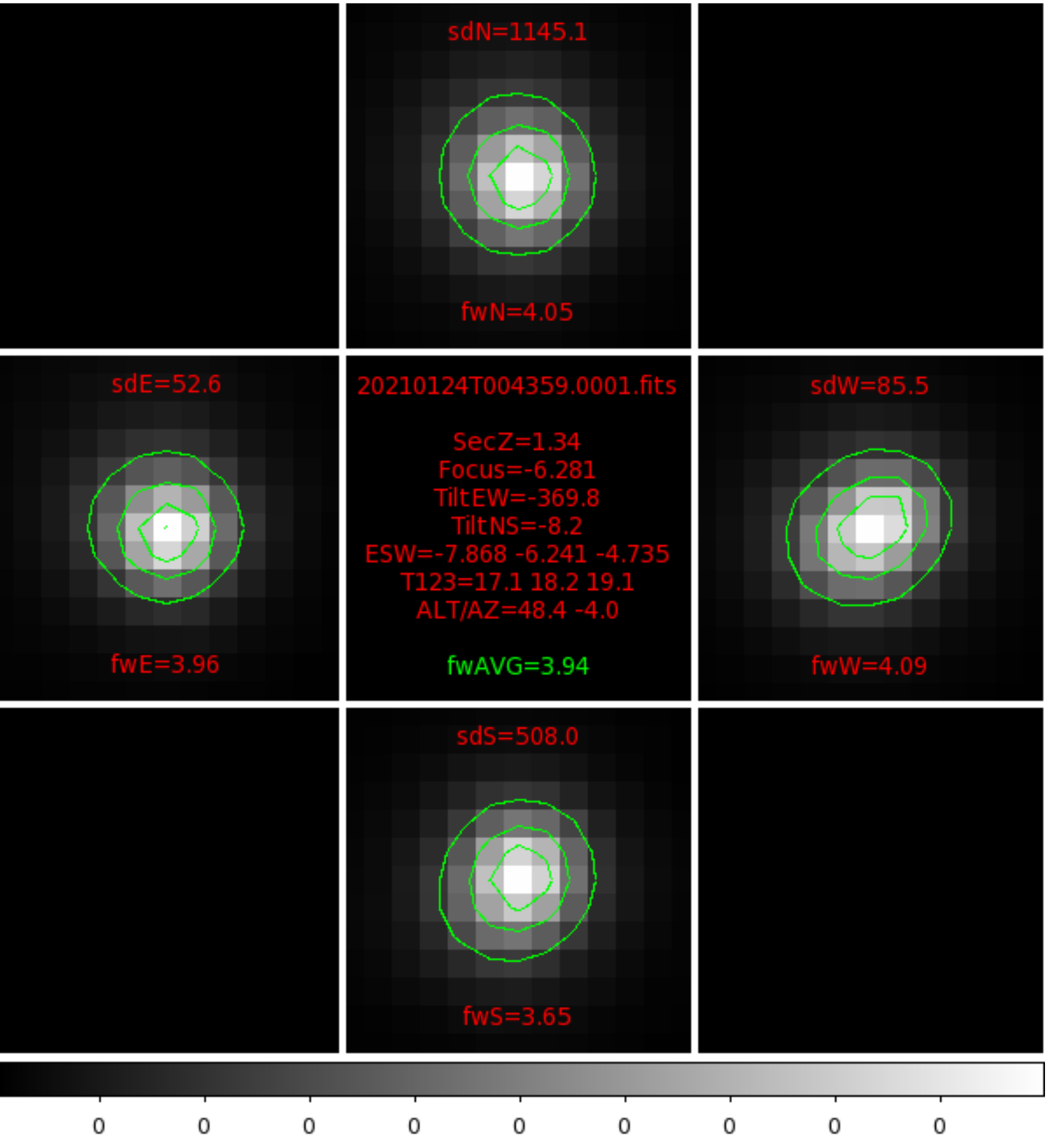
sdN=1145.1
fwN=4.05
sdE=52.6
fwE=3.96
20210124T004359.0001.fits
SecZ=1.34
Focus=-6.281
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.868 -6.241 -4.735
T123=17.1 18.2 19.1
ALT/AZ=48.4 -4.0
fwAVG=3.94
sdW=85.5
fwW=4.09
sdS=508.0
fwS=3.65
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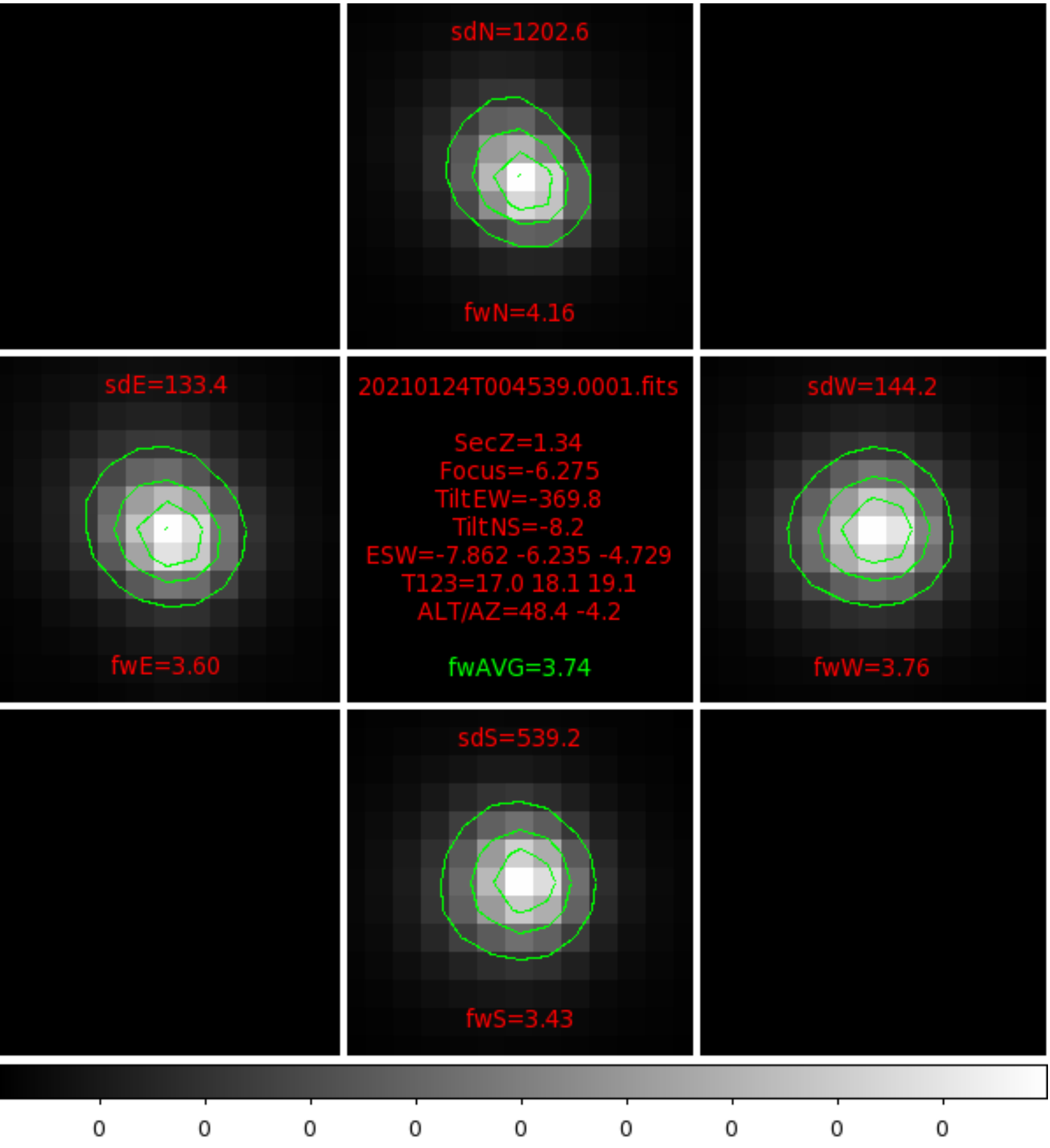
sdN=1202.6
fwN=4.16
sdE=133.4
fwE=3.60
20210124T004539.0001.fits
SecZ=1.34
Focus=-6.275
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.862 -6.235 -4.729
T123=17.0 18.1 19.1
ALT/AZ=48.4 -4.2
fwAVG=3.74
sdW=144.2
fwW=3.76
sdS=539.2
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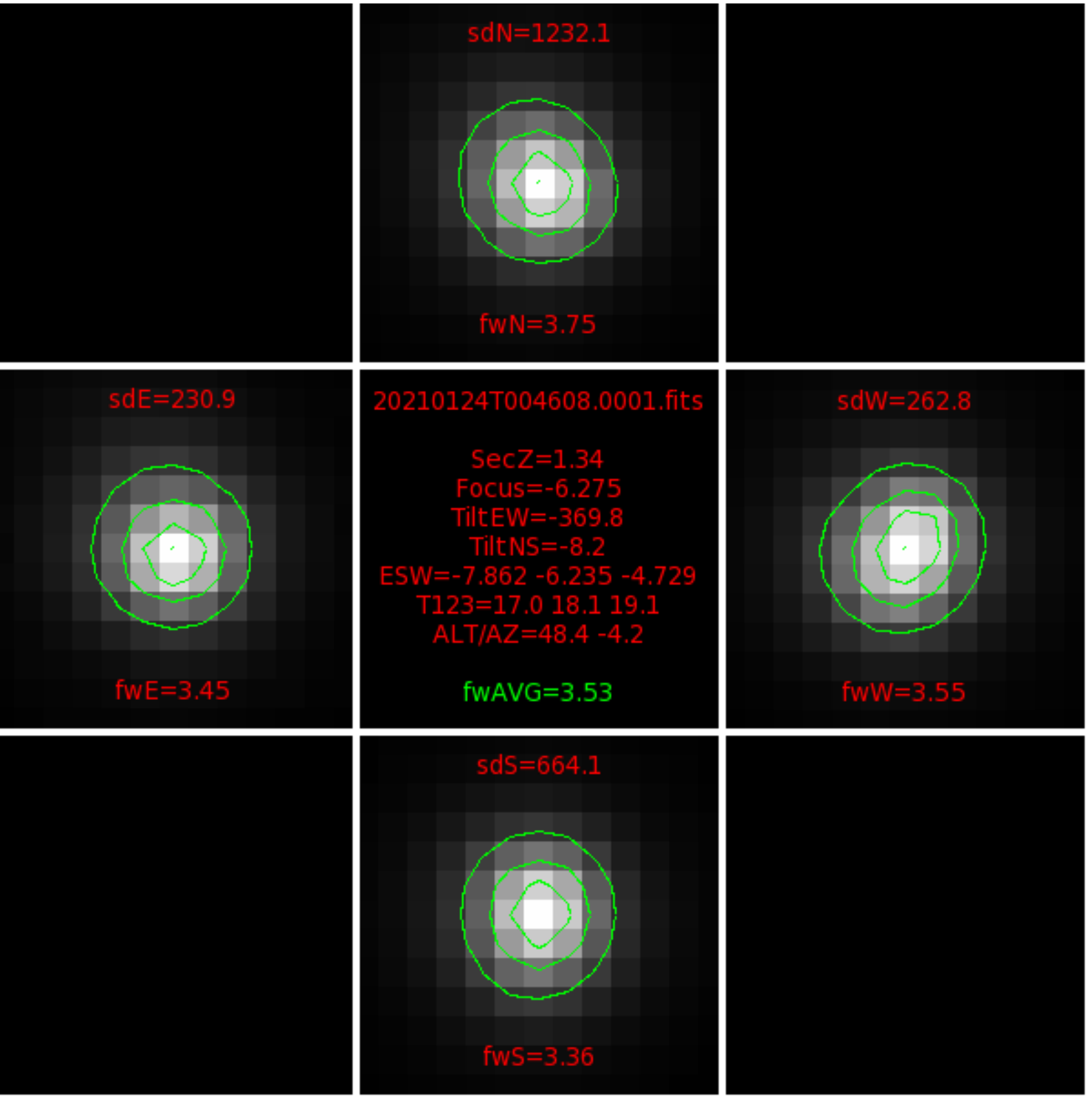
sdN=1232.1
fwN=3.75
sdE=230.9
fwE=3.45
20210124T004608.0001.fits
SecZ=1.34
Focus=-6.275
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.862 -6.235 -4.729
T123=17.0 18.1 19.1
ALT/AZ=48.4 -4.2
fwAVG=3.53
sdW=262.8
fwW=3.55
sdS=664.1
fwS=3.36
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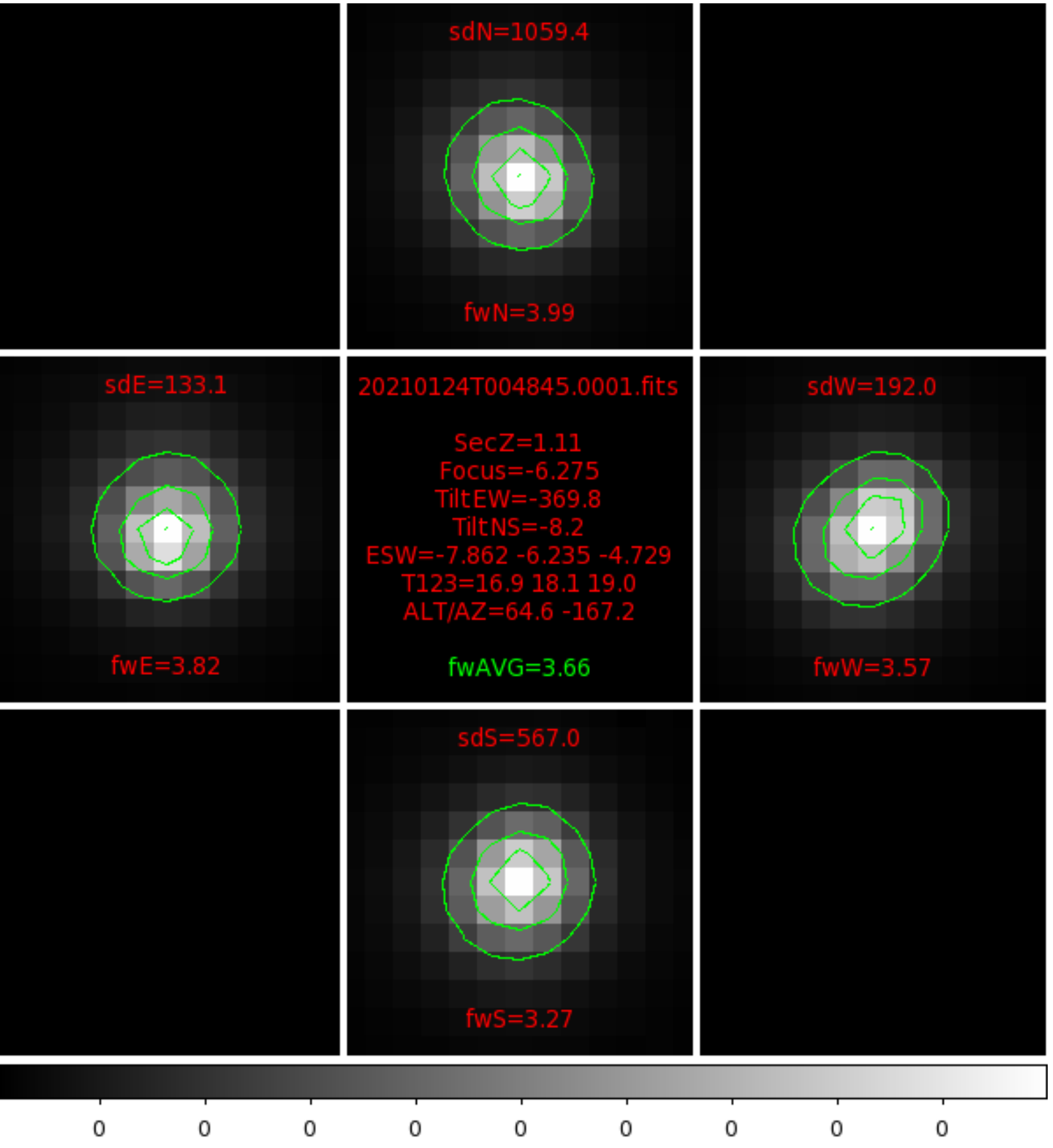
sdN=1059.4
fwN=3.99
sdE=133.1
fwE=3.82
20210124T004845.0001.fits
SecZ=1.11
Focus=-6.275
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.862 -6.235 -4.729
T123=16.9 18.1 19.0
ALT/AZ=64.6 -167.2
fwAVG=3.66
sdW=192.0
fwW=3.57
sdS=567.0
fwS=3.27
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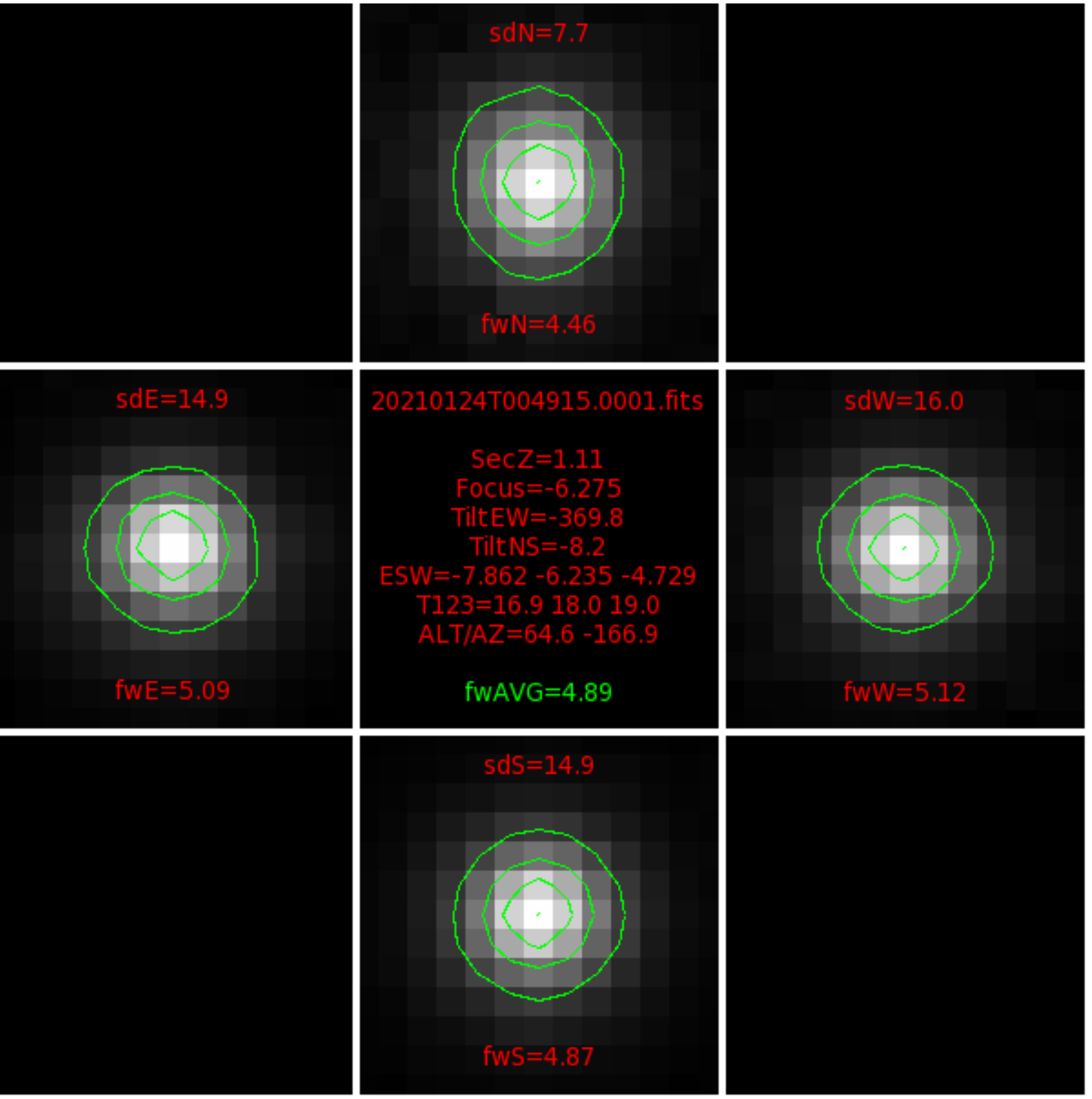
sdN=7.7
fwN=4.46
sdE=14.9
fwE=5.09
20210124T004915.0001.fits
SecZ=1.11
Focus=-6.275
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.862 -6.235 -4.729
T123=16.9 18.0 19.0
ALT/AZ=64.6 -166.9
fwAVG=4.89
sdW=16.0
fwW=5.12
sdS=14.9
fwS=4.87
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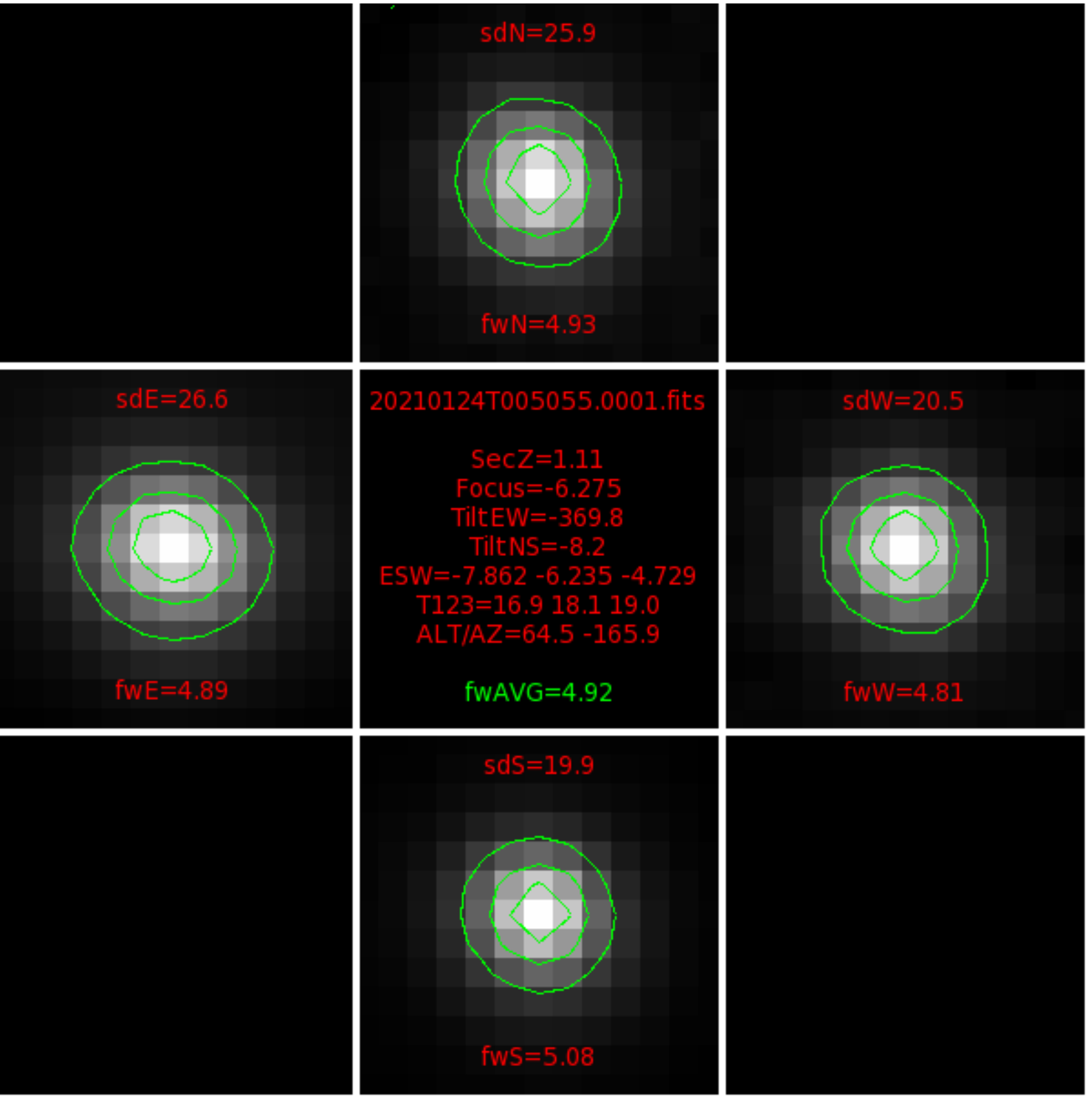
sdN=25.9
fwN=4.93
sdE=26.6
fwE=4.89
20210124T005055.0001.fits
SecZ=1.11
Focus=-6.275
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.862 -6.235 -4.729
T123=16.9 18.1 19.0
ALT/AZ=64.5 -165.9
fwAVG=4.92
sdW=20.5
fwW=4.81
sdS=19.9
fwS=5.08
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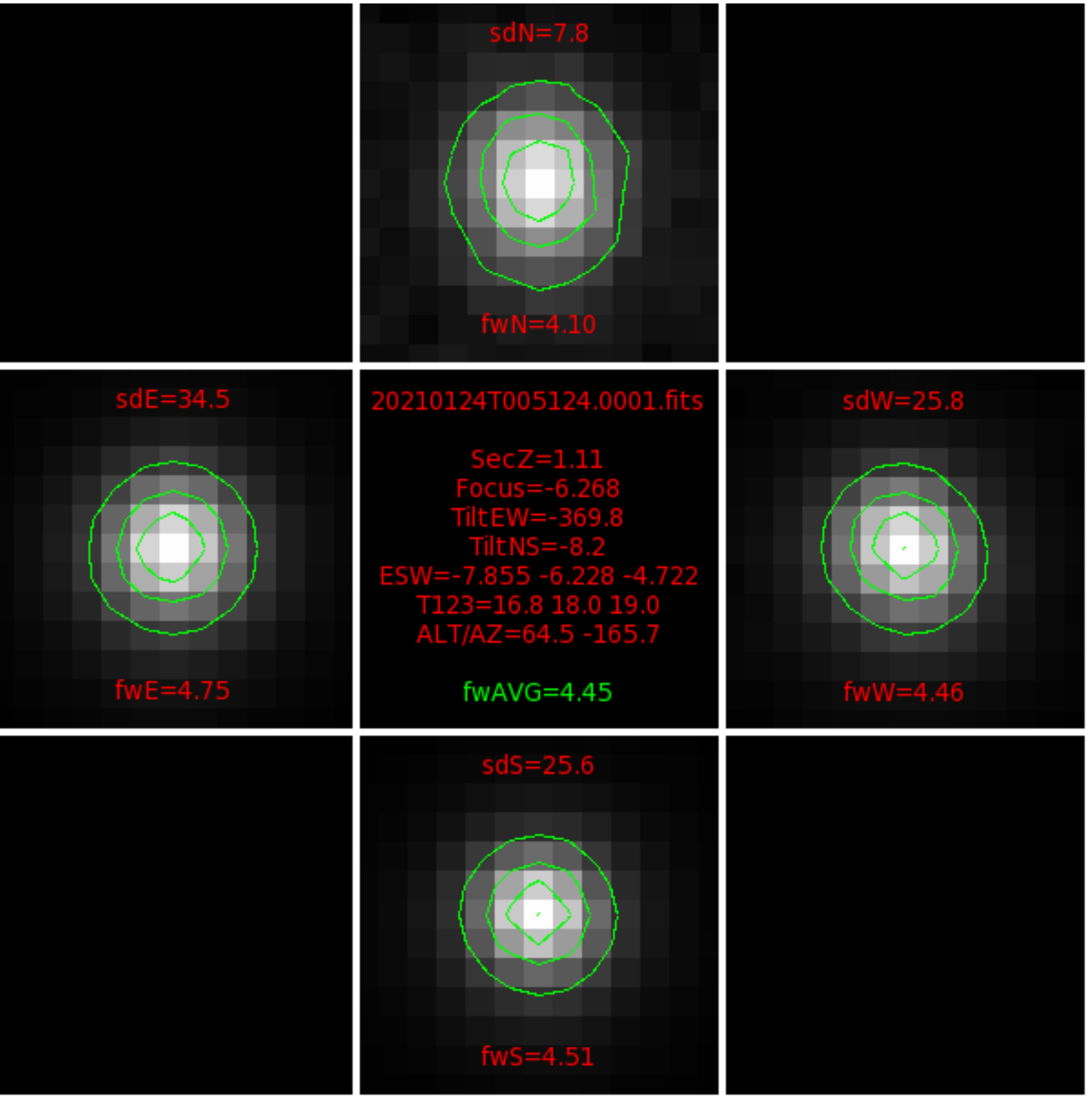
sdN=7.8
fwN=4.10
sdE=34.5
fwE=4.75
20210124T005124.0001.fits
SecZ=1.11
Focus=-6.268
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.855 -6.228 -4.722
T123=16.8 18.0 19.0
ALT/AZ=64.5 -165.7
fwAVG=4.45
sdW=25.8
fwW=4.46
sdS=25.6
fwS=4.51
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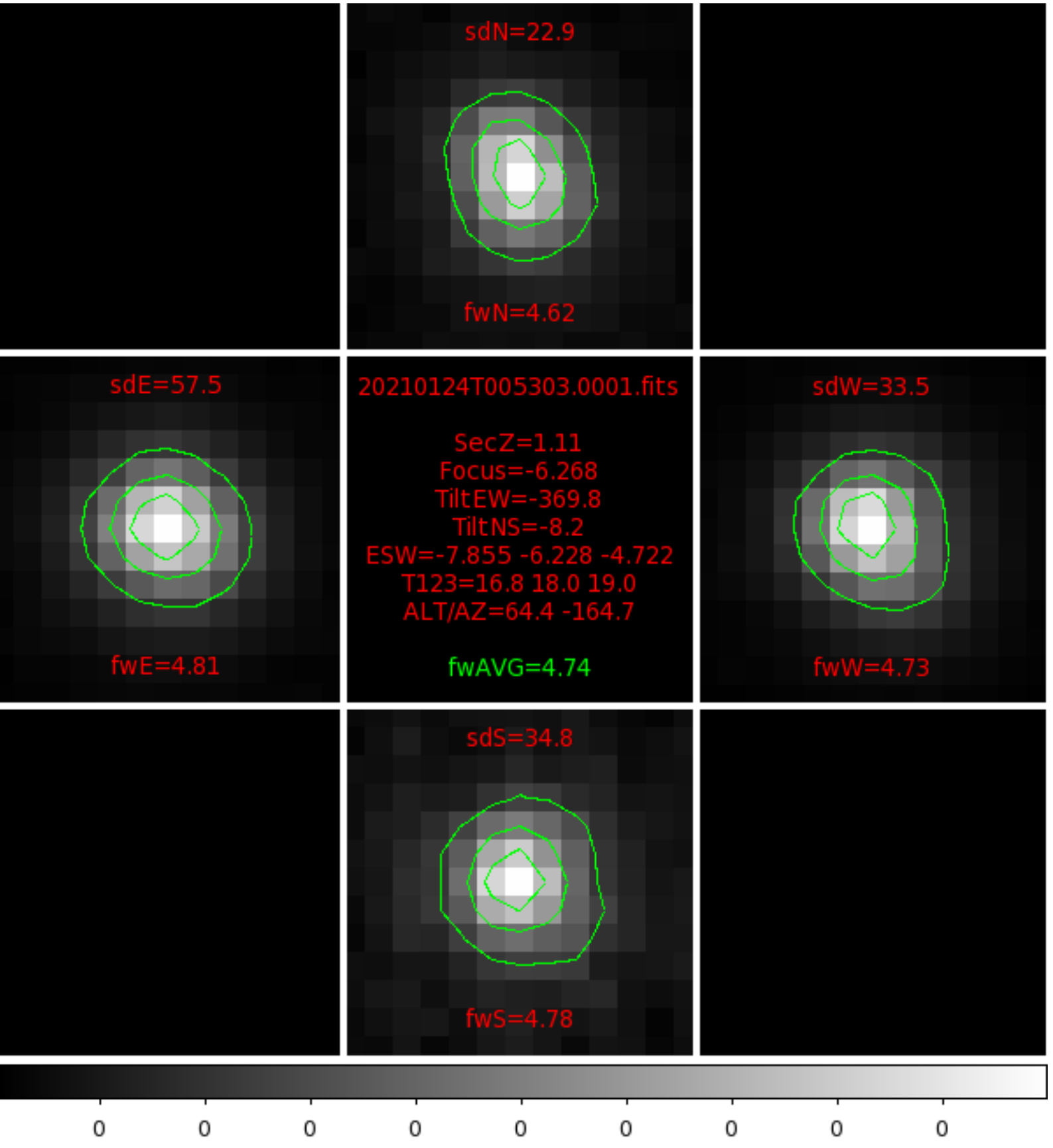
sdN=22.9
fwN=4.62
sdE=57.5
fwE=4.81
20210124T005303.0001.fits
SecZ=1.11
Focus=-6.268
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.855 -6.228 -4.722
T123=16.8 18.0 19.0
ALT/AZ=64.4 -164.7
fwAVG=4.74
sdW=33.5
fwW=4.73
sdS=34.8
fwS=4.78
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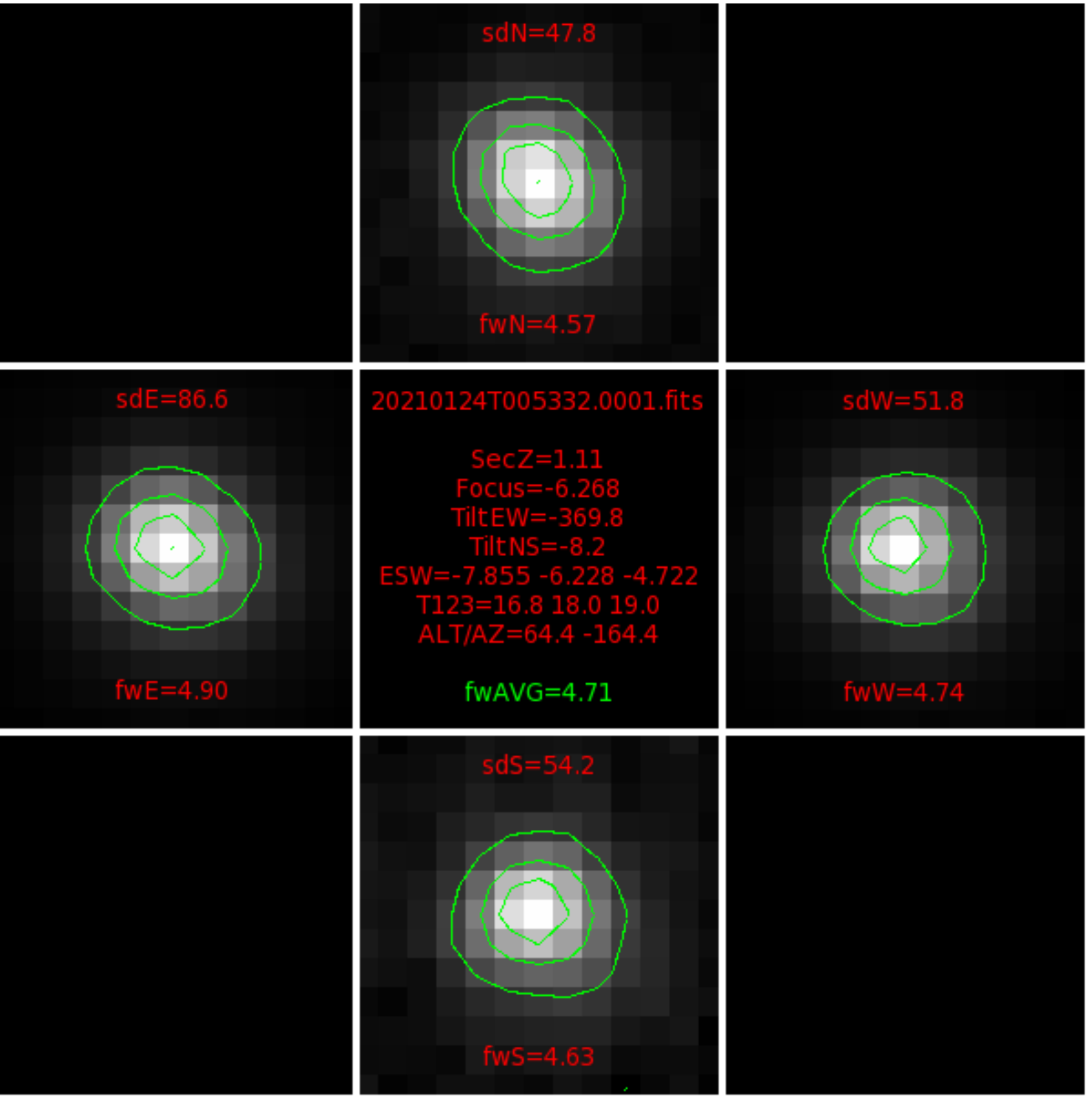
sdN=47.8
fwN=4.57
sdE=86.6
fwE=4.90
20210124T005332.0001.fits
SecZ=1.11
Focus=-6.268
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.855 -6.228 -4.722
T123=16.8 18.0 19.0
ALT/AZ=64.4 -164.4
fwAVG=4.71
sdW=51.8
fwW=4.74
sdS=54.2
fwS=4.63
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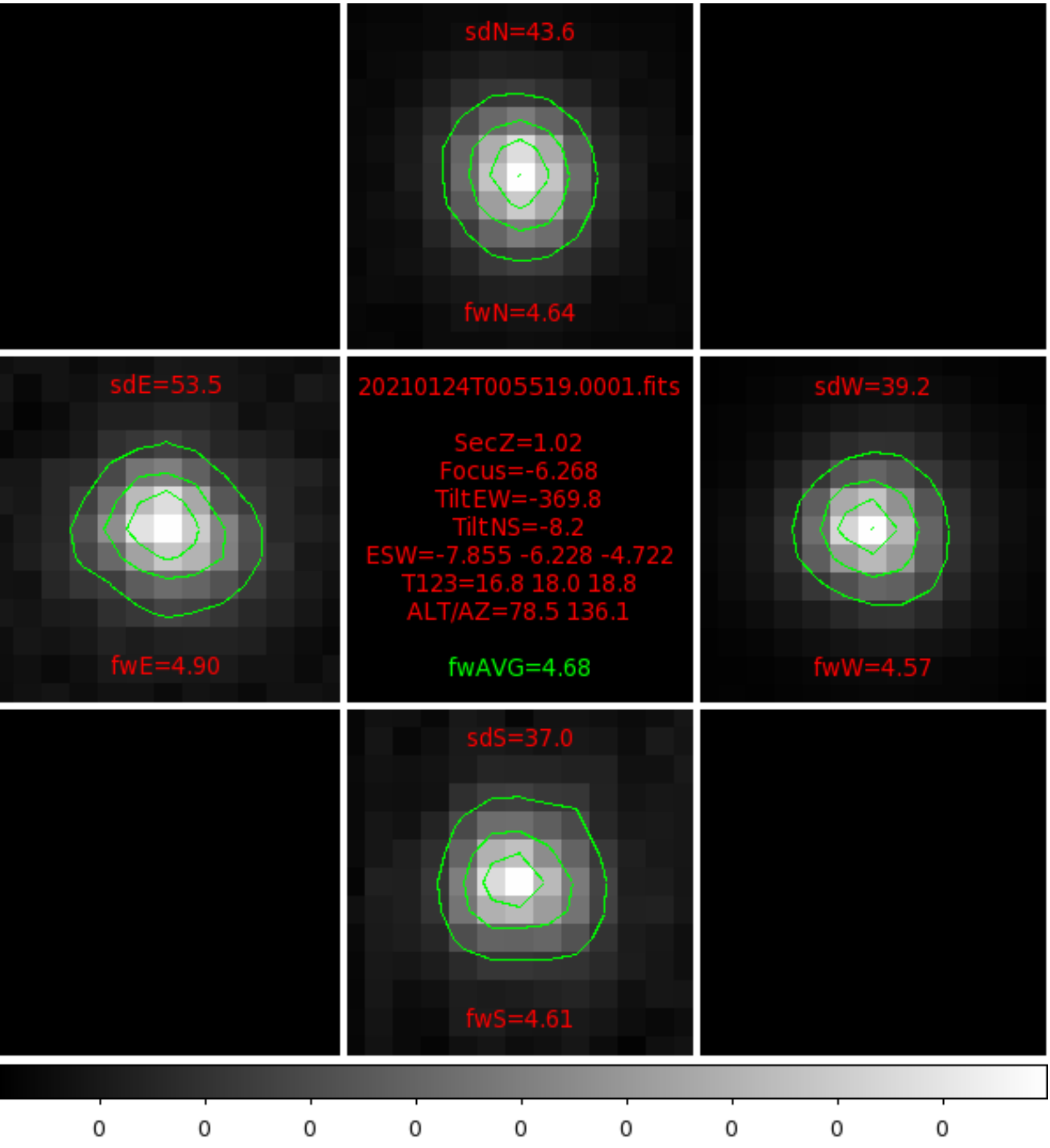
sdN=43.6
fwN=4.64
sdE=53.5
fwE=4.90
20210124T005519.0001.fits
SecZ=1.02
Focus=-6.268
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.855 -6.228 -4.722
T123=16.8 18.0 18.8
ALT/AZ=78.5 136.1
fwAVG=4.68
sdW=39.2
fwW=4.57
sdS=37.0
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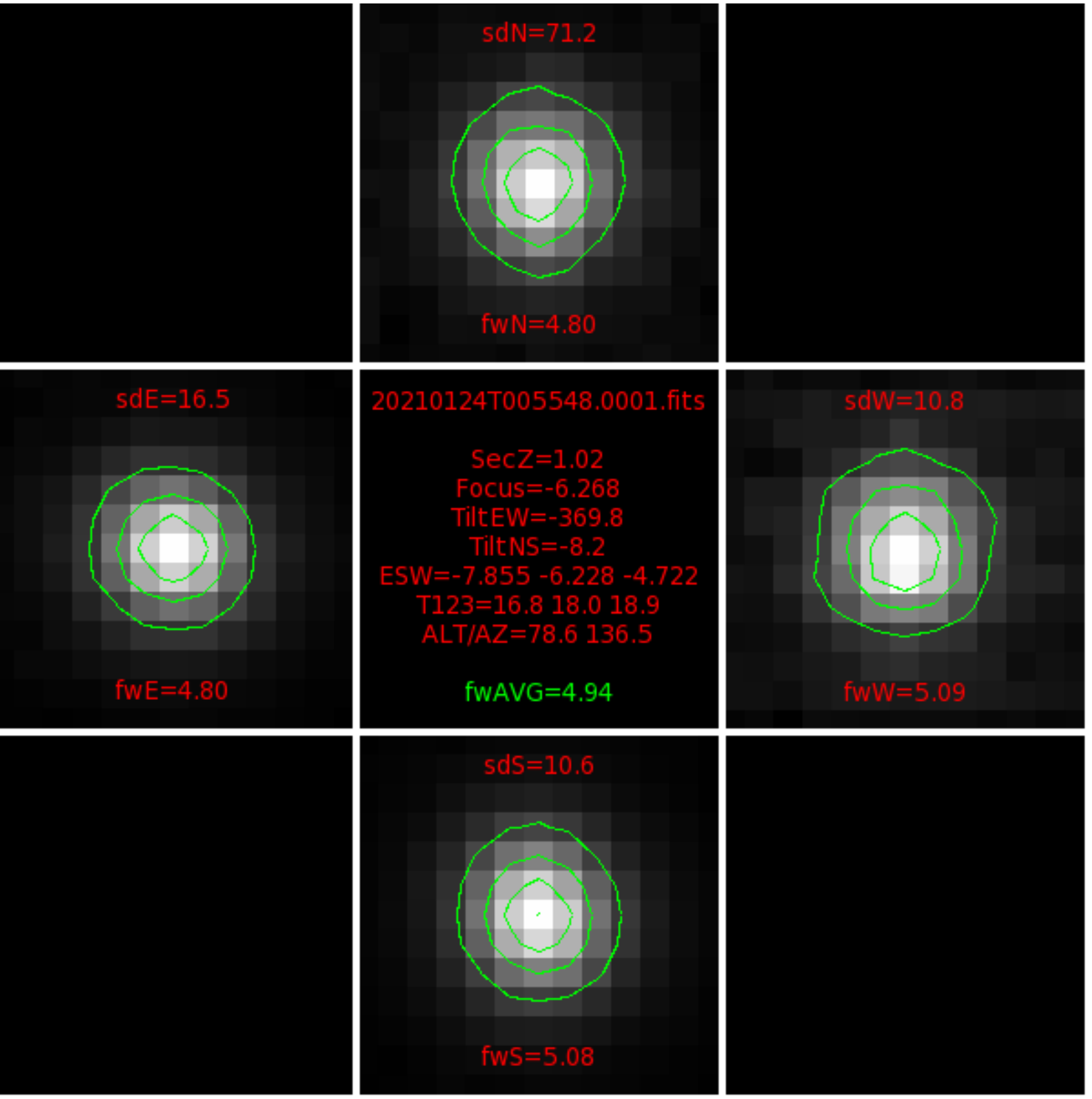
sdN=71.2
fwN=4.80
sdE=16.5
fwE=4.80
20210124T005548.0001.fits
SecZ=1.02
Focus=-6.268
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.855 -6.228 -4.722
T123=16.8 18.0 18.9
ALT/AZ=78.6 136.5
fwAVG=4.94
sdW=10.8
fwW=5.09
sdS=10.6
fwS=5.08
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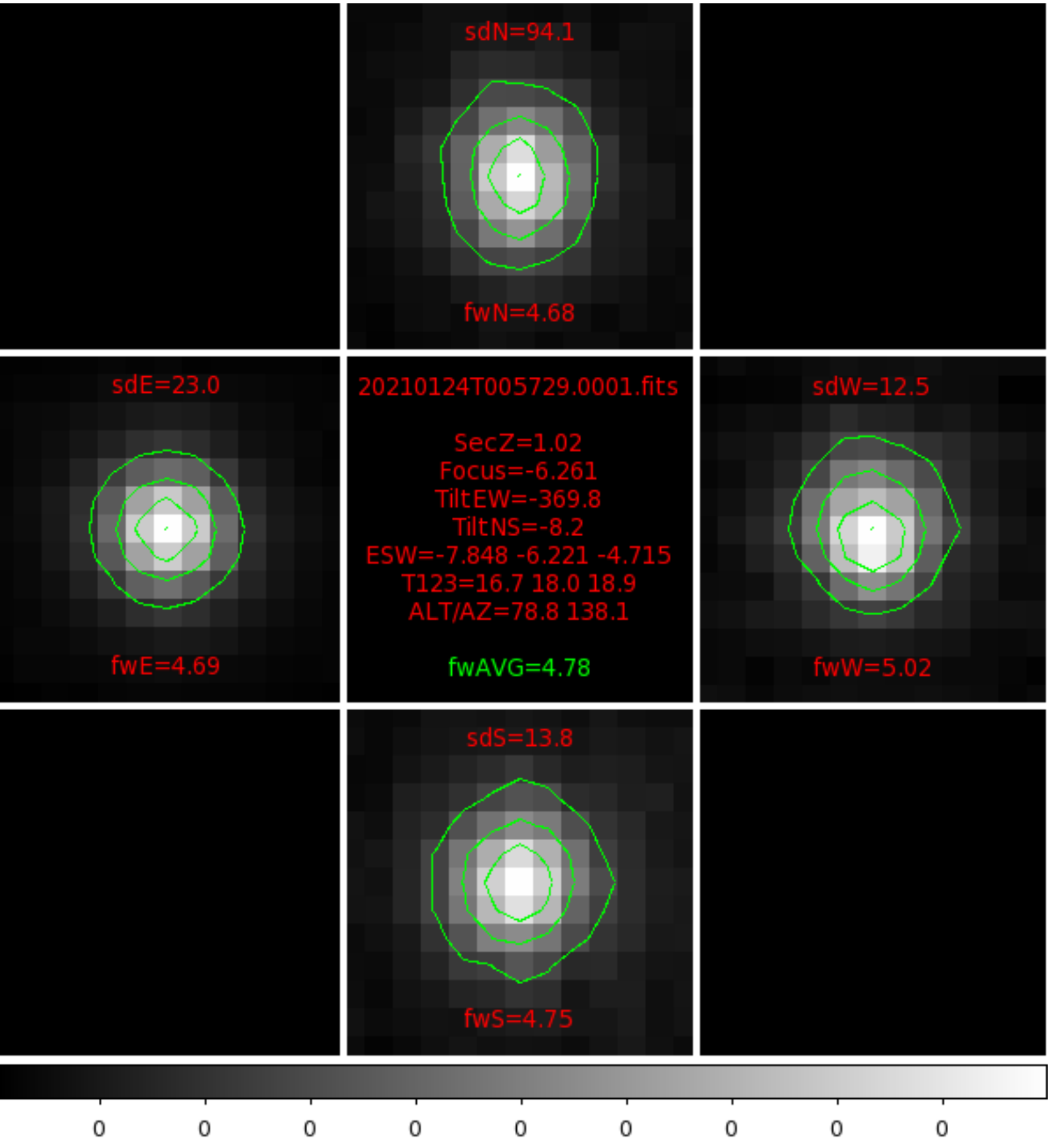
sdN=94.1
fwN=4.68
sdE=23.0
fwE=4.69
20210124T005729.0001.fits
SecZ=1.02
Focus=-6.261
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.848 -6.221 -4.715
T123=16.7 18.0 18.9
ALT/AZ=78.8 138.1
fwAVG=4.78
sdW=12.5
fwW=5.02
sdS=13.8
fwS=4.75
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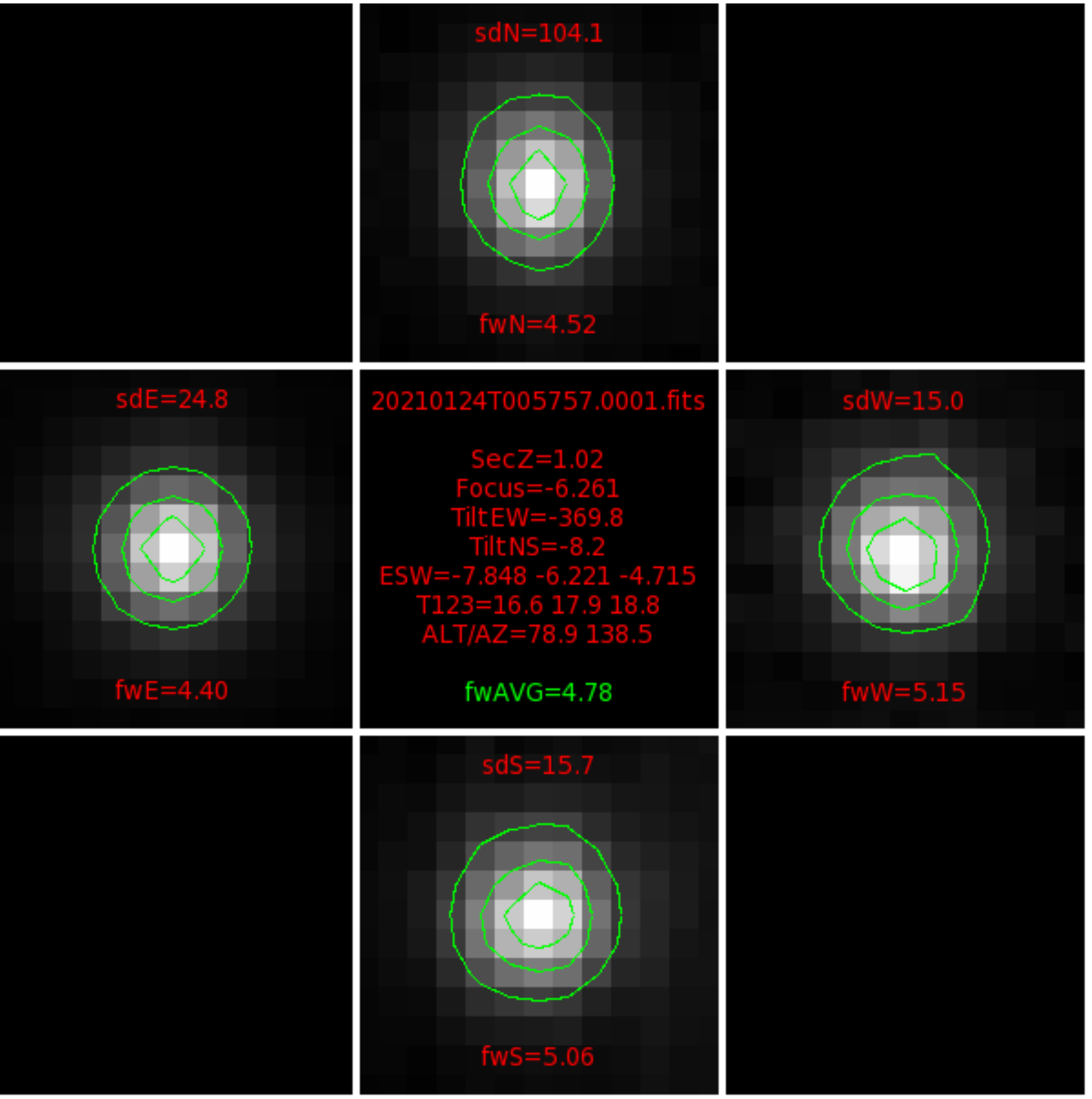
sdN=104.1
fwN=4.52
sdE=24.8
fwE=4.40
20210124T005757.0001.fits
SecZ=1.02
Focus=-6.261
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.848 -6.221 -4.715
T123=16.6 17.9 18.8
ALT/AZ=78.9 138.5
fwAVG=4.78
sdW=15.0
fwW=5.15
sdS=15.7
fwS=5.06
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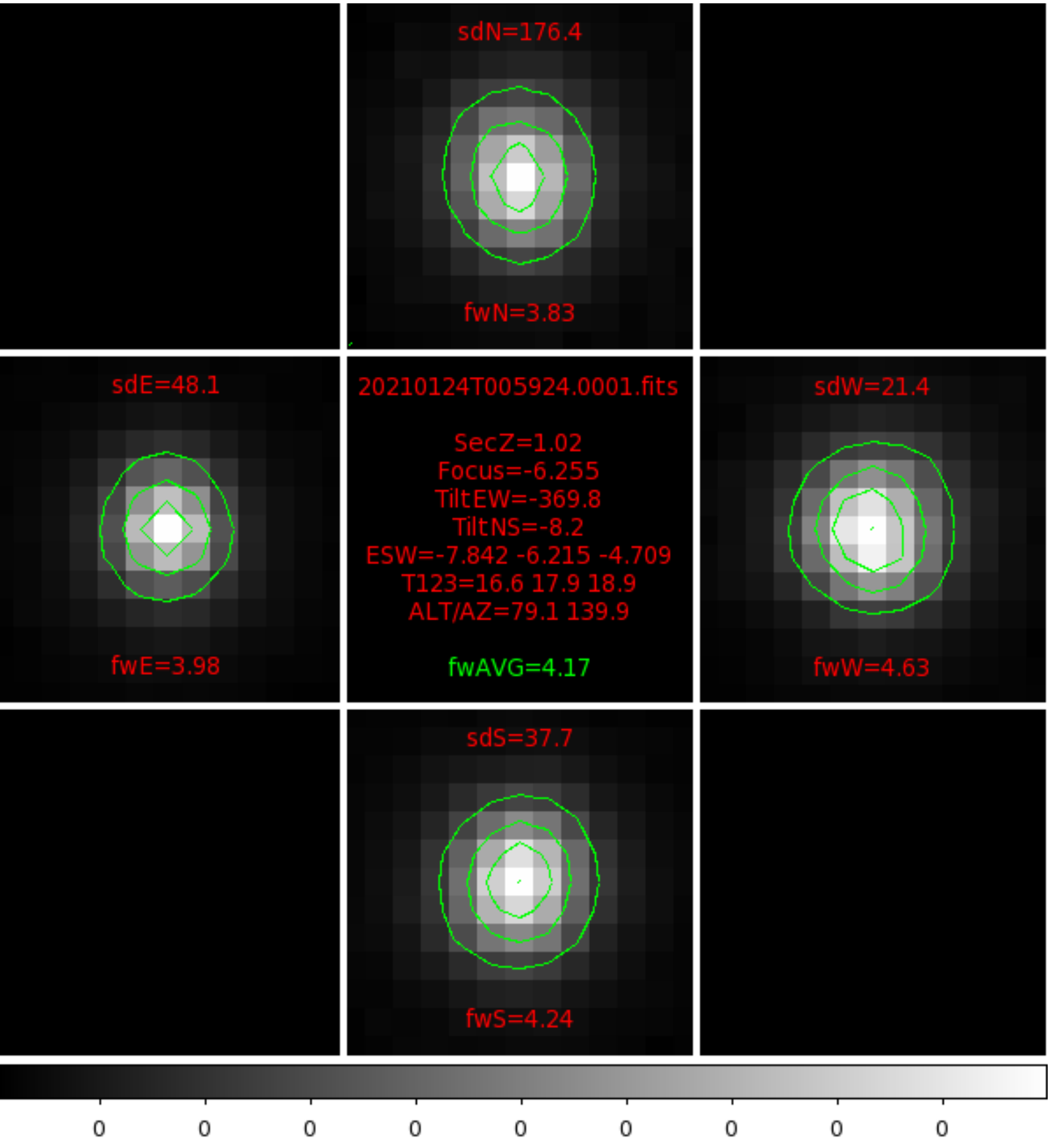
sdN=176.4
fwN=3.83
sdE=48.1
fwE=3.98
20210124T005924.0001.fits
SecZ=1.02
Focus=-6.255
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.842 -6.215 -4.709
T123=16.6 17.9 18.9
ALT/AZ=79.1 139.9
fwAVG=4.17
sdW=21.4
fwW=4.63
sdS=37.7
fwS=4.24
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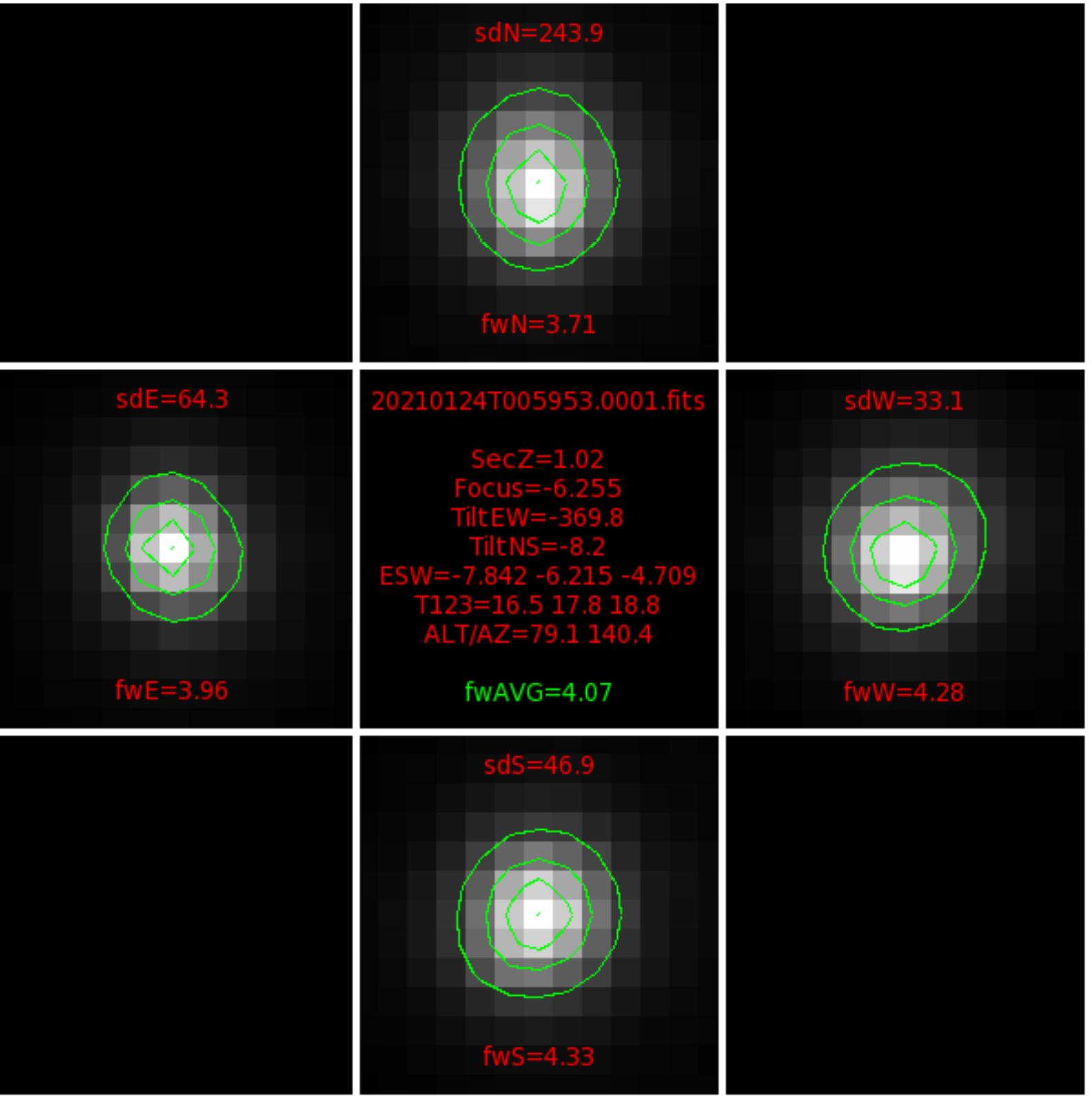
sdN=243.9
fwN=3.71
sdE=64.3
fwE=3.96
20210124T005953.0001.fits
SecZ=1.02
Focus=-6.255
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.842 -6.215 -4.709
T123=16.5 17.8 18.8
ALT/AZ=79.1 140.4
fwAVG=4.07
sdW=33.1
fwW=4.28
sdS=46.9
fwS=4.33
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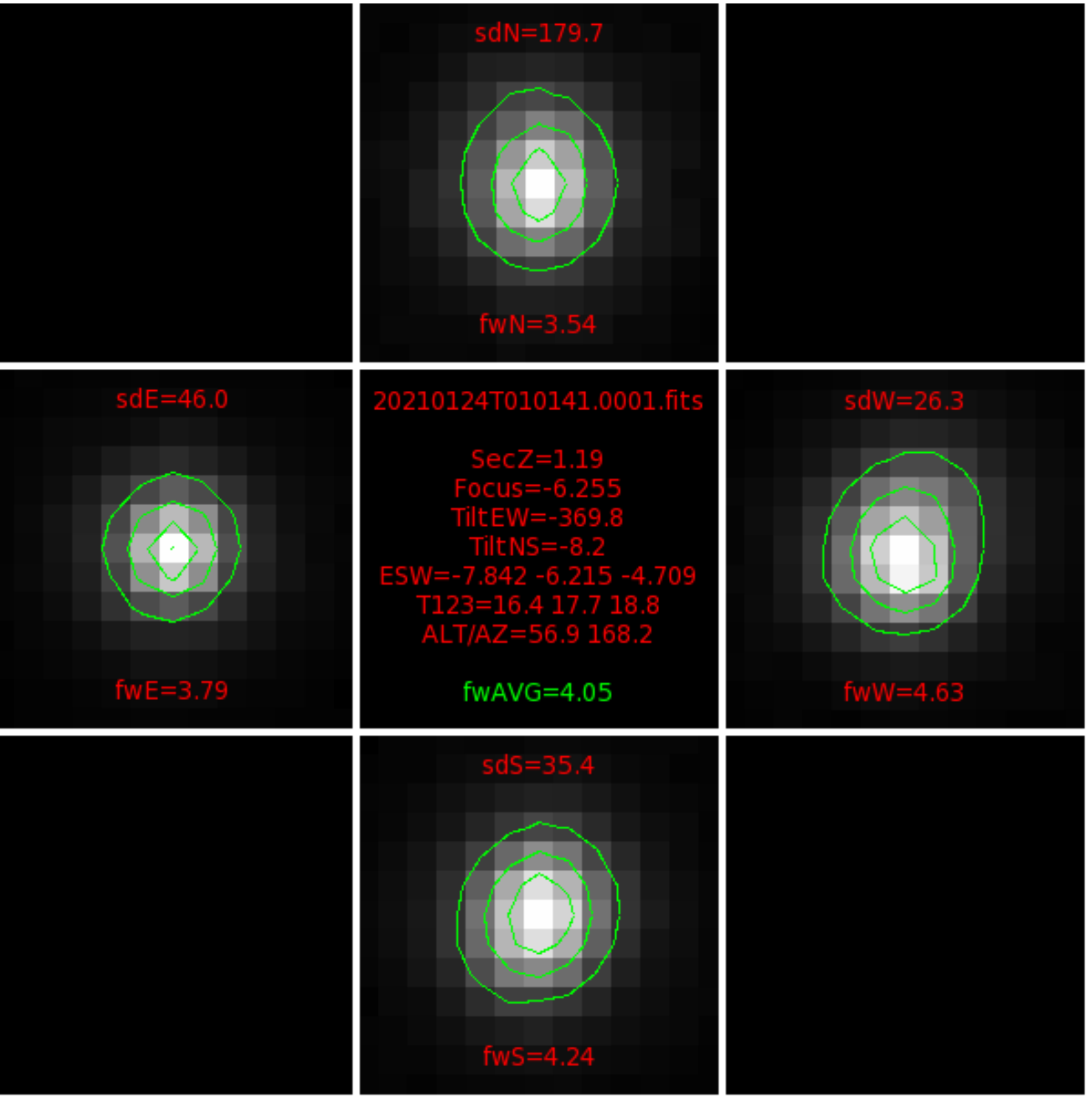
sdN=179.7
fwN=3.54
sdE=46.0
fwE=3.79
20210124T010141.0001.fits
SecZ=1.19
Focus=-6.255
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.842 -6.215 -4.709
T123=16.4 17.7 18.8
ALT/AZ=56.9 168.2
fwAVG=4.05
sdW=26.3
fwW=4.63
sdS=35.4
fwS=4.24
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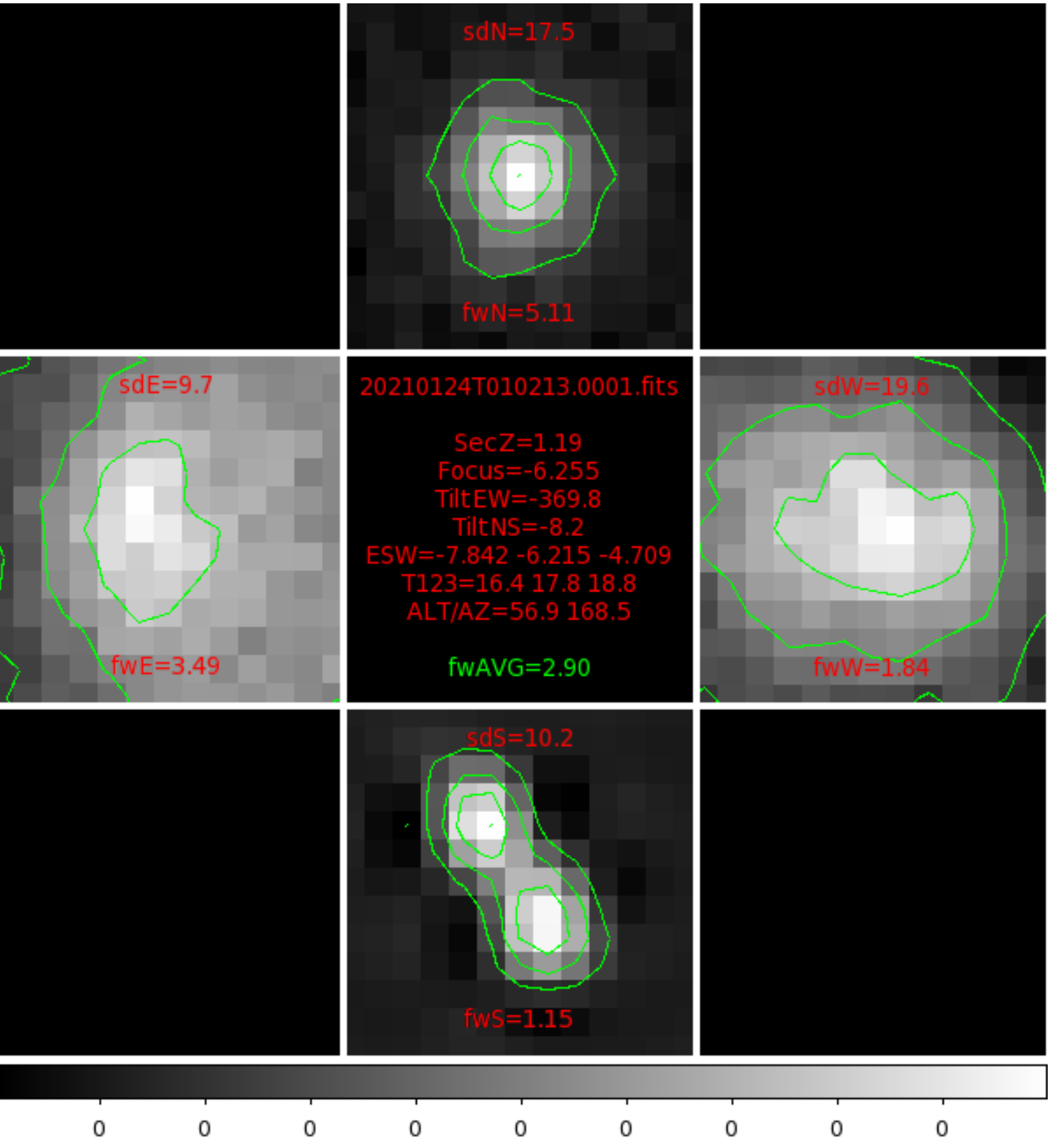
sdN=17.5
fwN=5.11
sdE=9.7
fwE=3.49
20210124T010213.0001.fits
SecZ=1.19
Focus=-6.255
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.842 -6.215 -4.709
T123=16.4 17.8 18.8
ALT/AZ=56.9 168.5
fwAVG=2.90
sdW=19.6
fwW=1.84
sdS=10.2
fwS=1.15
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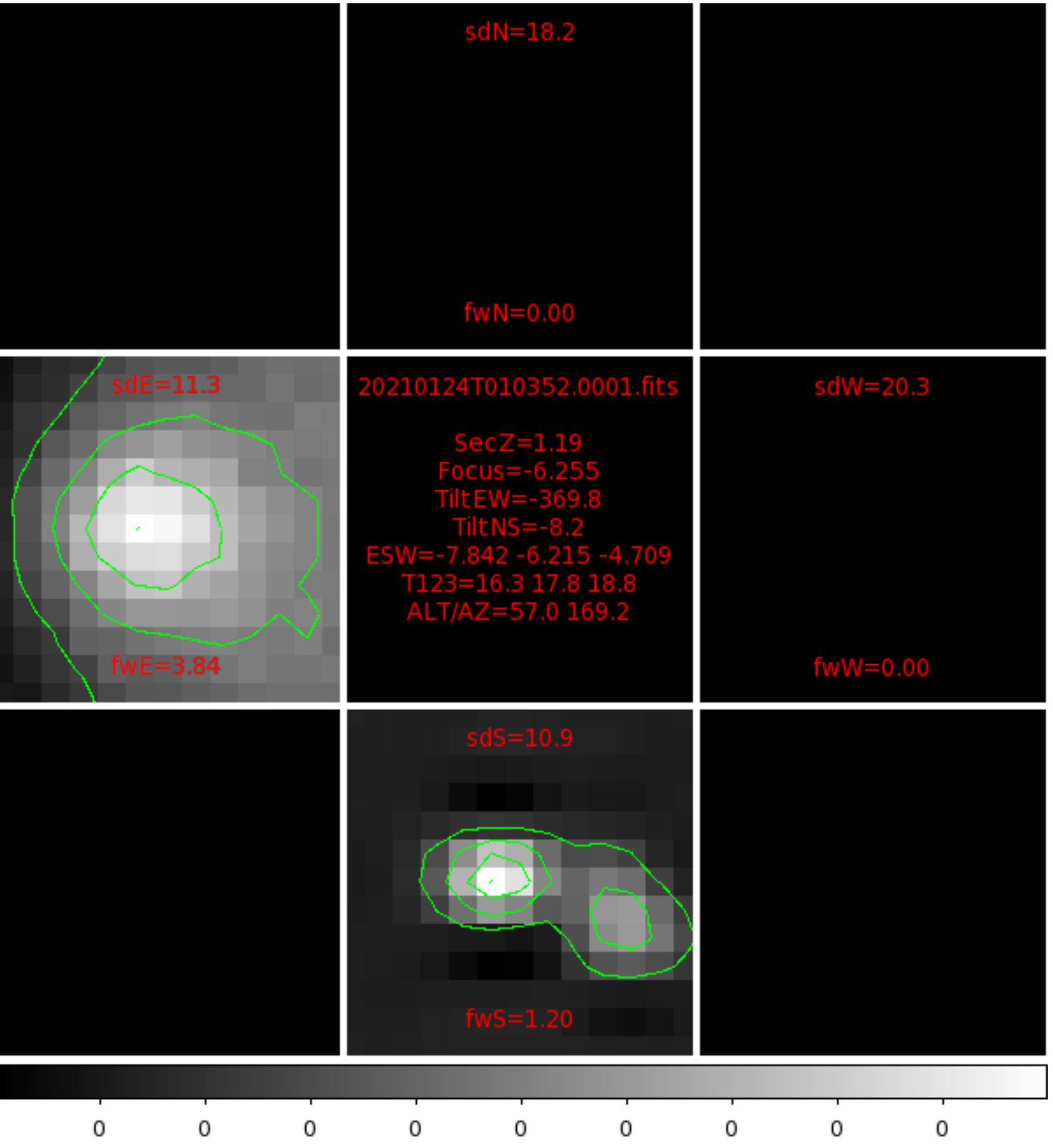
sdN=18.2
fwN=0.00
sdE=11.3
20210124T010352.0001.fits
SecZ=1.19
Focus=-6.255
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.842 -6.215 -4.709
T123=16.3 17.8 18.8
ALT/AZ=57.0 169.2
sdW=20.3
fwE=3.84
fwW=0.00
sdS=10.9
fwS=1.20
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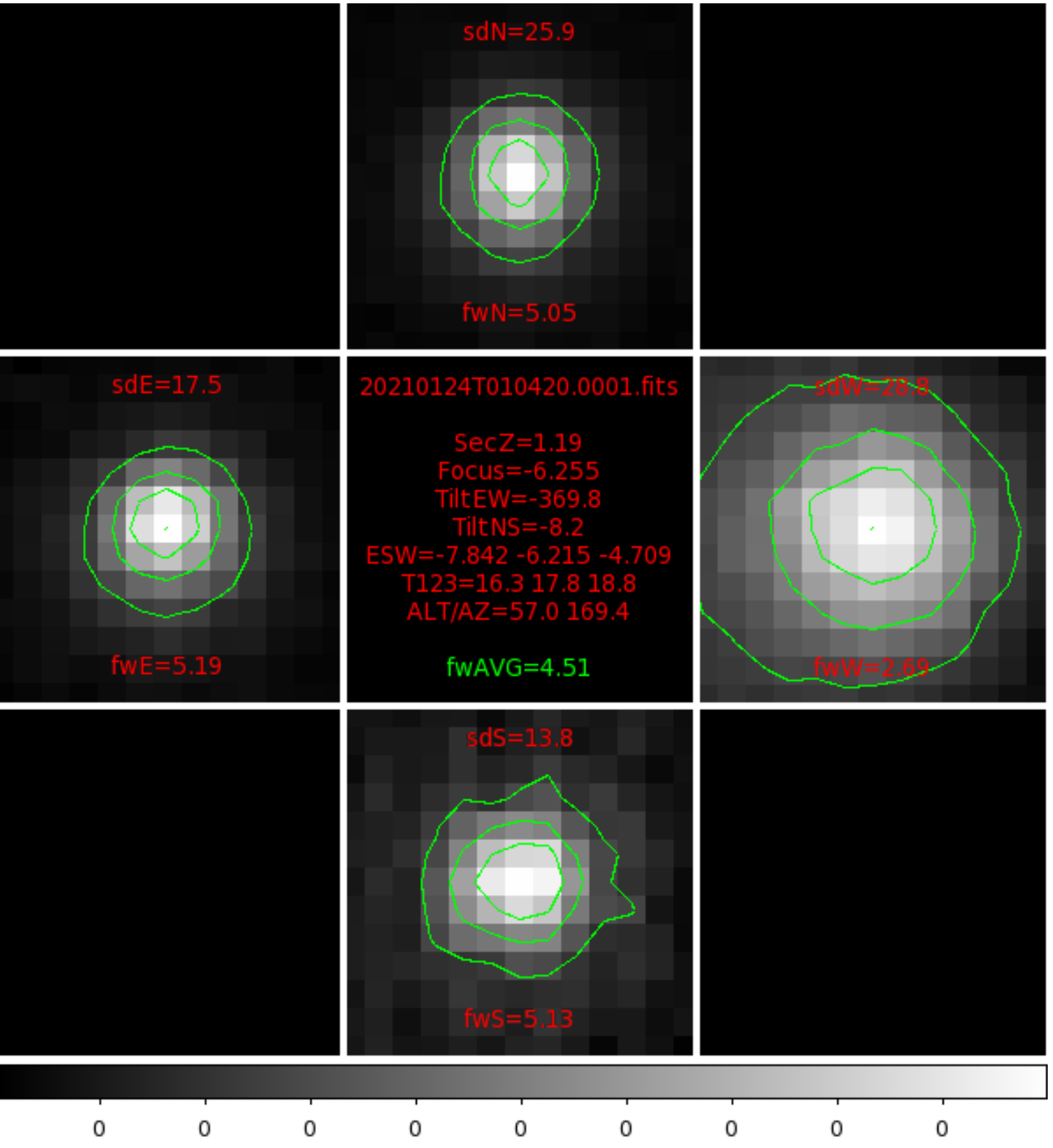
sdN=25.9
fwN=5.05
sdE=17.5
fwE=5.19
20210124T010420.0001.fits
SecZ=1.19
Focus=-6.255
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.842 -6.215 -4.709
T123=16.3 17.8 18.8
ALT/AZ=57.0 169.4
fwAVG=4.51
sdW=28.8
fwW=2.69
sdS=13.8
fwS=5.13
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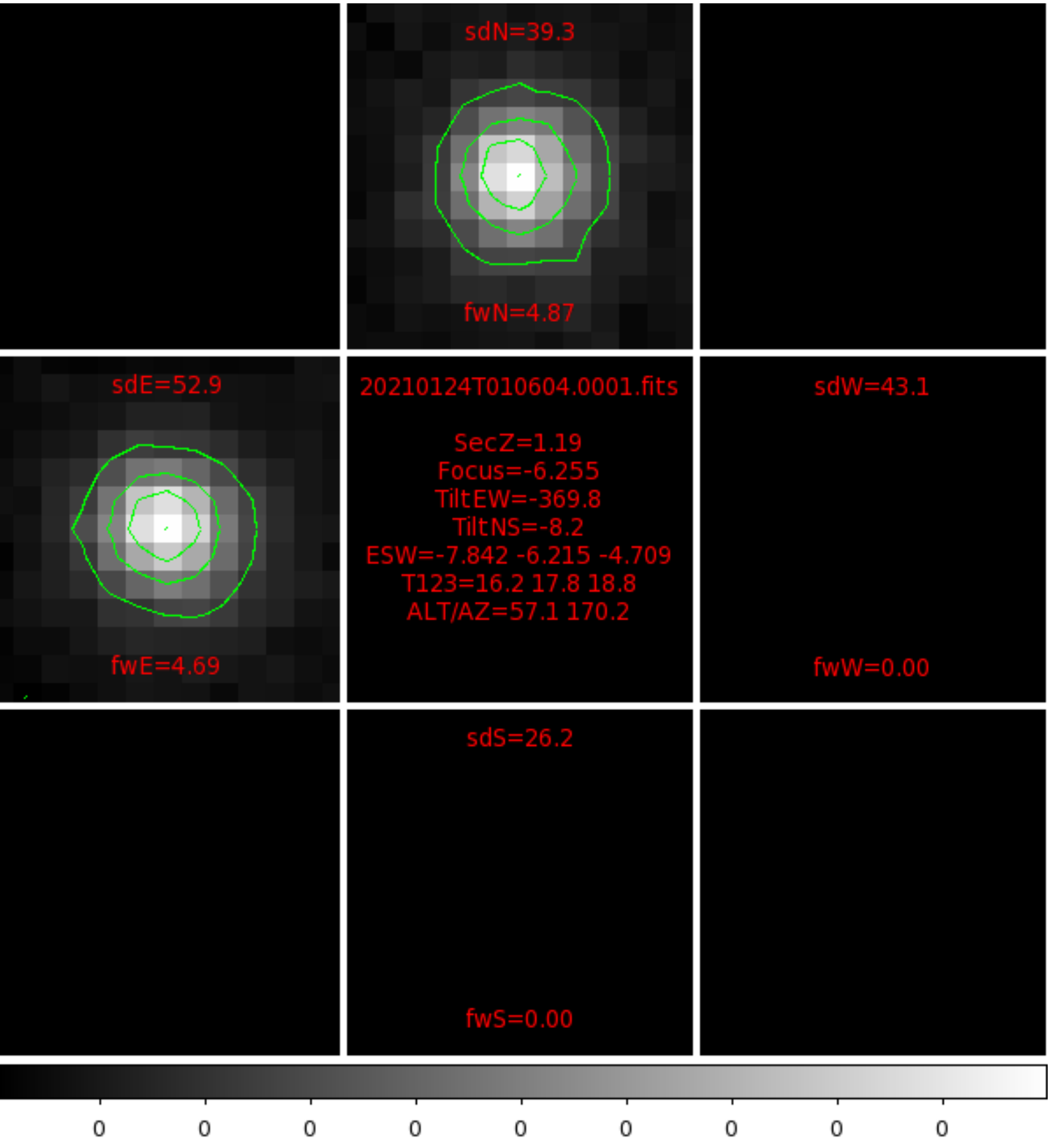
sdN=39.3
fwN=4.87
sdE=52.9
fwE=4.69
20210124T010604.0001.fits
SecZ=1.19
Focus=-6.255
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.842 -6.215 -4.709
T123=16.2 17.8 18.8
ALT/AZ=57.1 170.2
sdW=43.1
fwW=0.00
sdS=26.2
fwS=0.00
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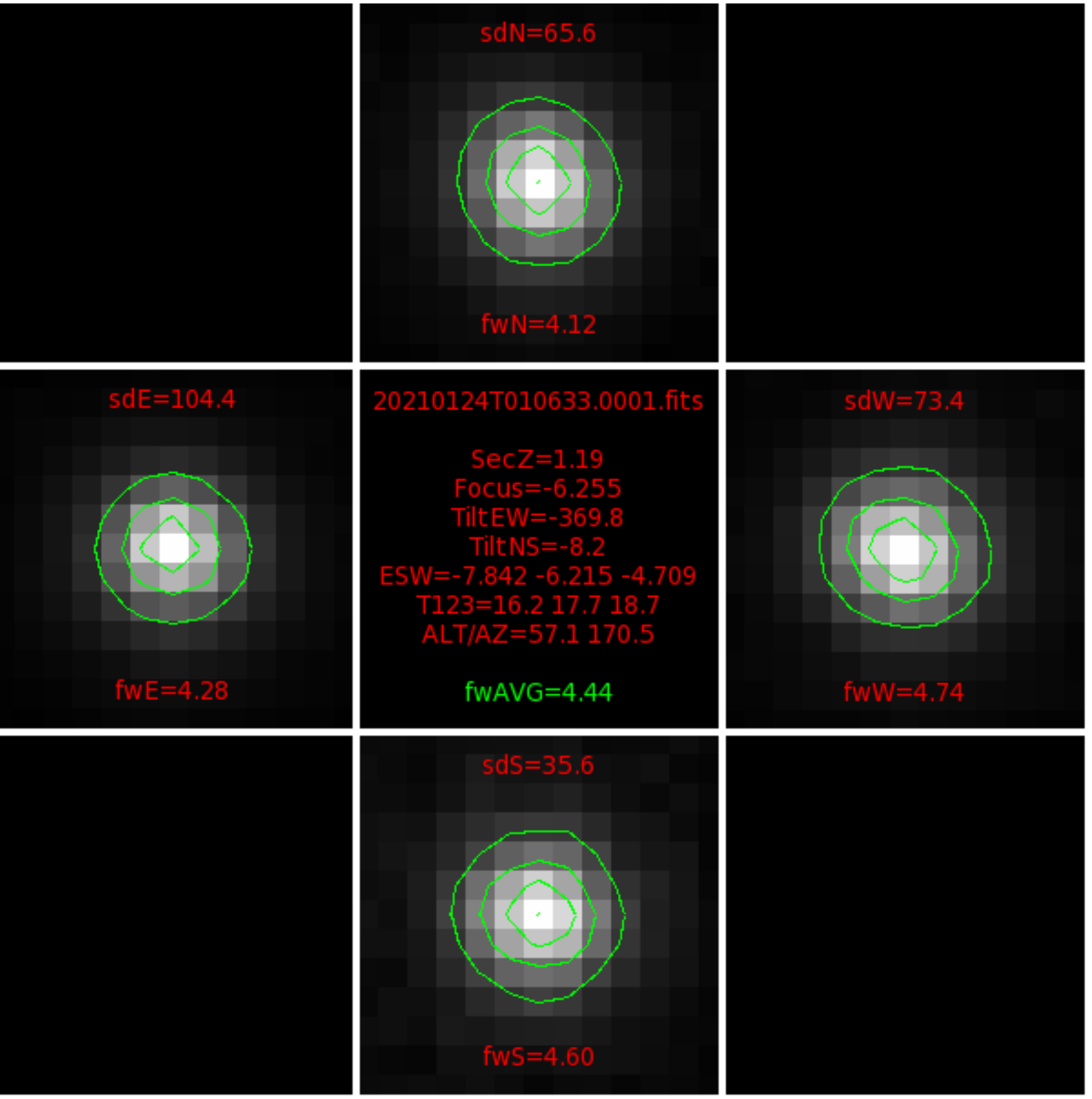
sdN=65.6
fwN=4.12
sdE=104.4
fwE=4.28
20210124T010633.0001.fits
SecZ=1.19
Focus=-6.255
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.842 -6.215 -4.709
T123=16.2 17.7 18.7
ALT/AZ=57.1 170.5
fwAVG=4.44
sdW=73.4
fwW=4.74
sdS=35.6
fwS=4.60
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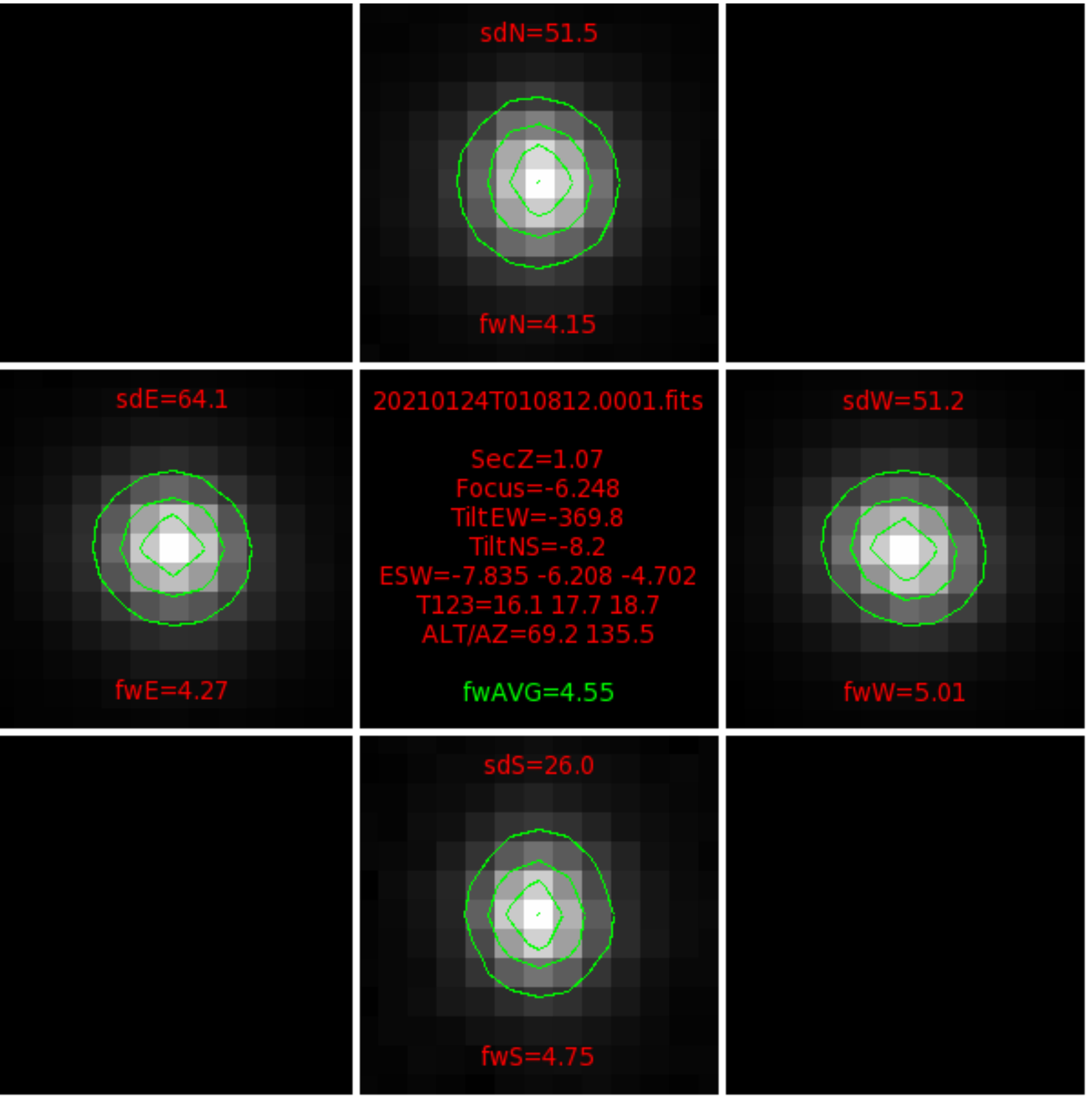
sdN=51.5
fwN=4.15
sdE=64.1
fwE=4.27
20210124T010812.0001.fits
SecZ=1.07
Focus=-6.248
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.835 -6.208 -4.702
T123=16.1 17.7 18.7
ALT/AZ=69.2 135.5
fwAVG=4.55
sdW=51.2
fwW=5.01
sdS=26.0
fwS=4.75
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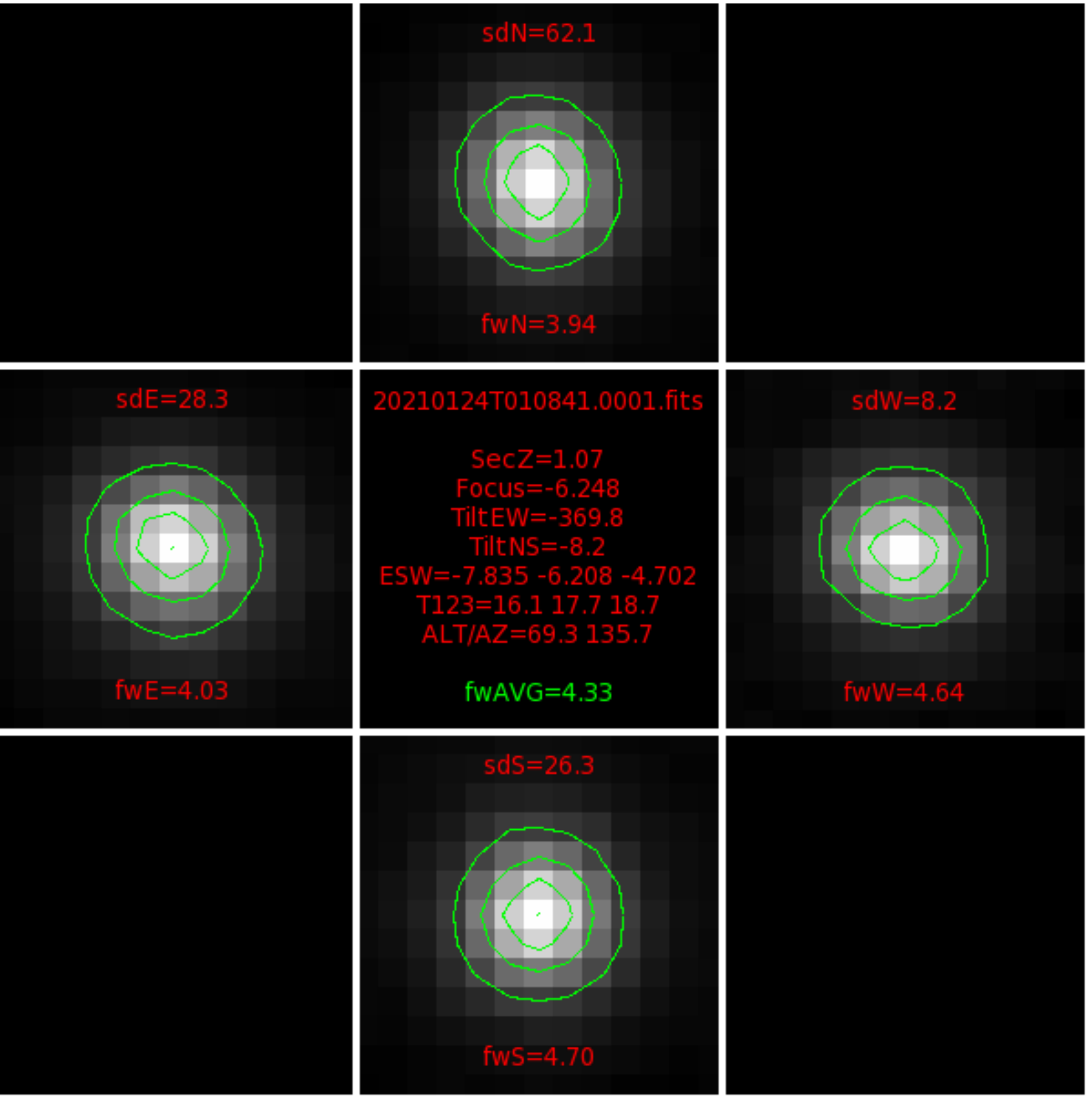
sdN=62.1
fwN=3.94
sdE=28.3
fwE=4.03
20210124T010841.0001.fits
SecZ=1.07
Focus=-6.248
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.835 -6.208 -4.702
T123=16.1 17.7 18.7
ALT/AZ=69.3 135.7
fwAVG=4.33
sdW=8.2
fwW=4.64
sdS=26.3
fwS=4.70
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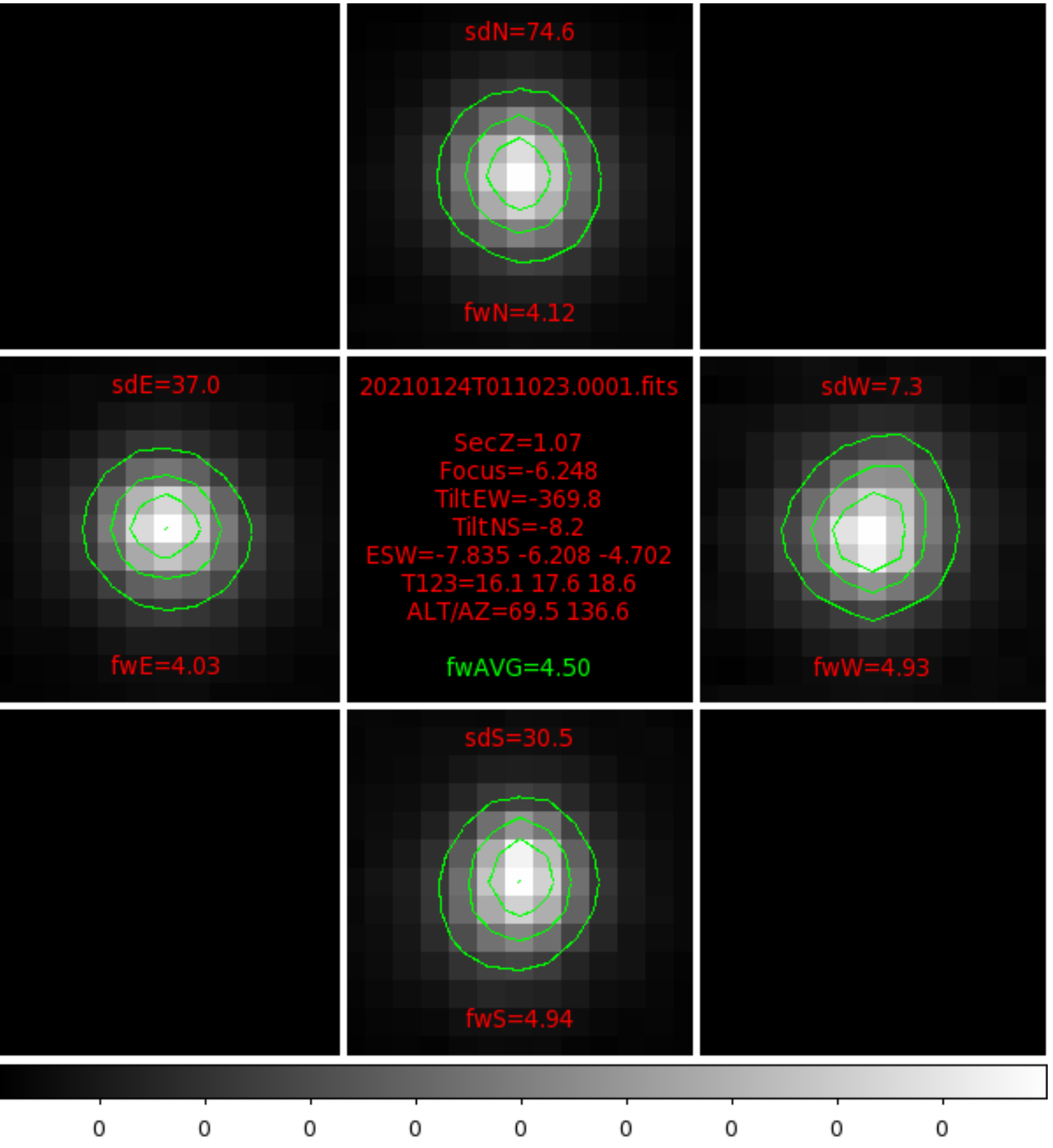
sdN=74.6
fwN=4.12
sdE=37.0
fwE=4.03
20210124T011023.0001.fits
SecZ=1.07
Focus=-6.248
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.835 -6.208 -4.702
T123=16.1 17.6 18.6
ALT/AZ=69.5 136.6
fwAVG=4.50
sdW=7.3
fwW=4.93
sdS=30.5
fwS=4.94
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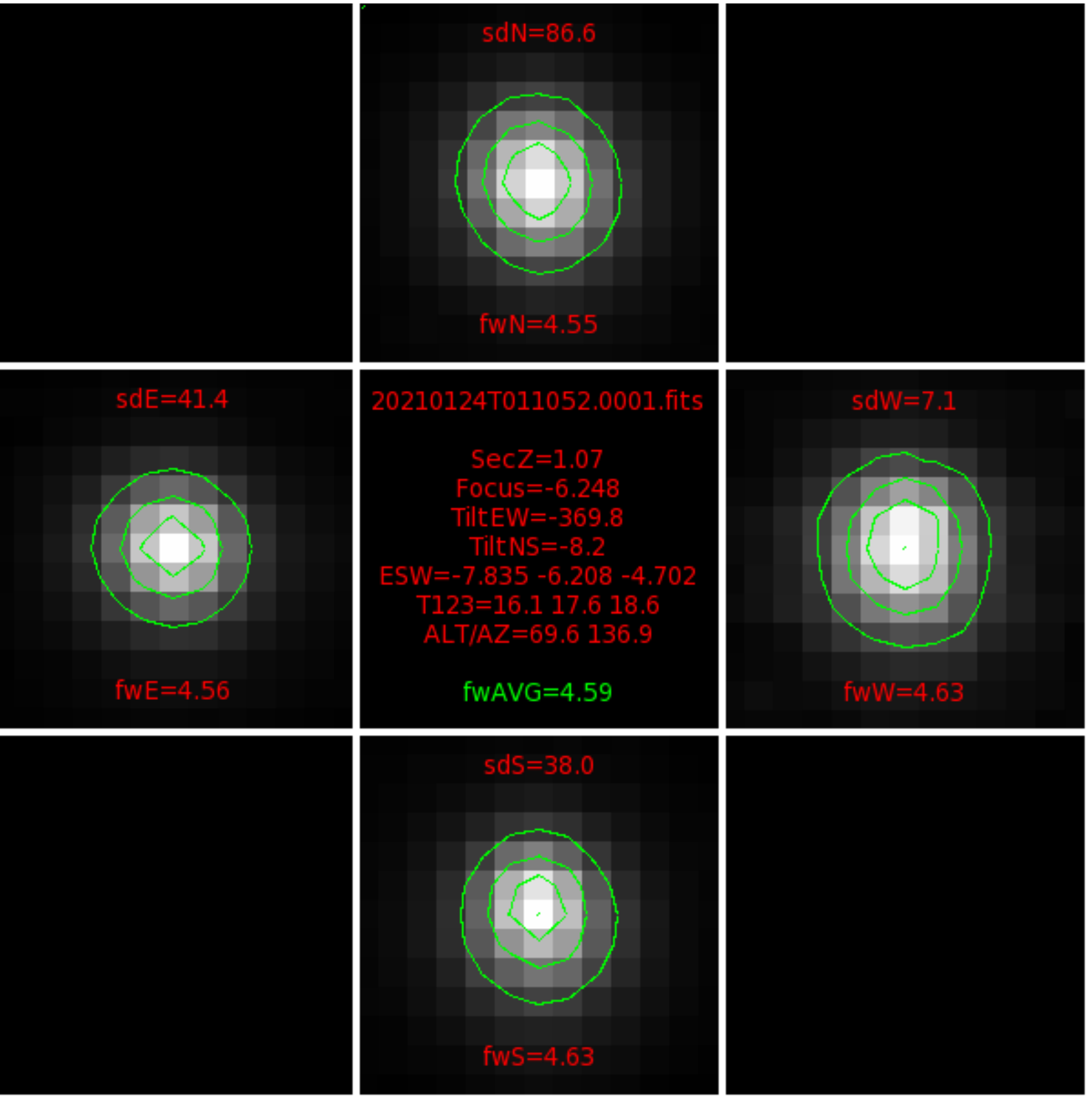
sdN=86.6
fwN=4.55
sdE=41.4
fwE=4.56
20210124T011052.0001.fits
SecZ=1.07
Focus=-6.248
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.835 -6.208 -4.702
T123=16.1 17.6 18.6
ALT/AZ=69.6 136.9
fwAVG=4.59
sdW=7.1
fwW=4.63
sdS=38.0
fwS=4.63
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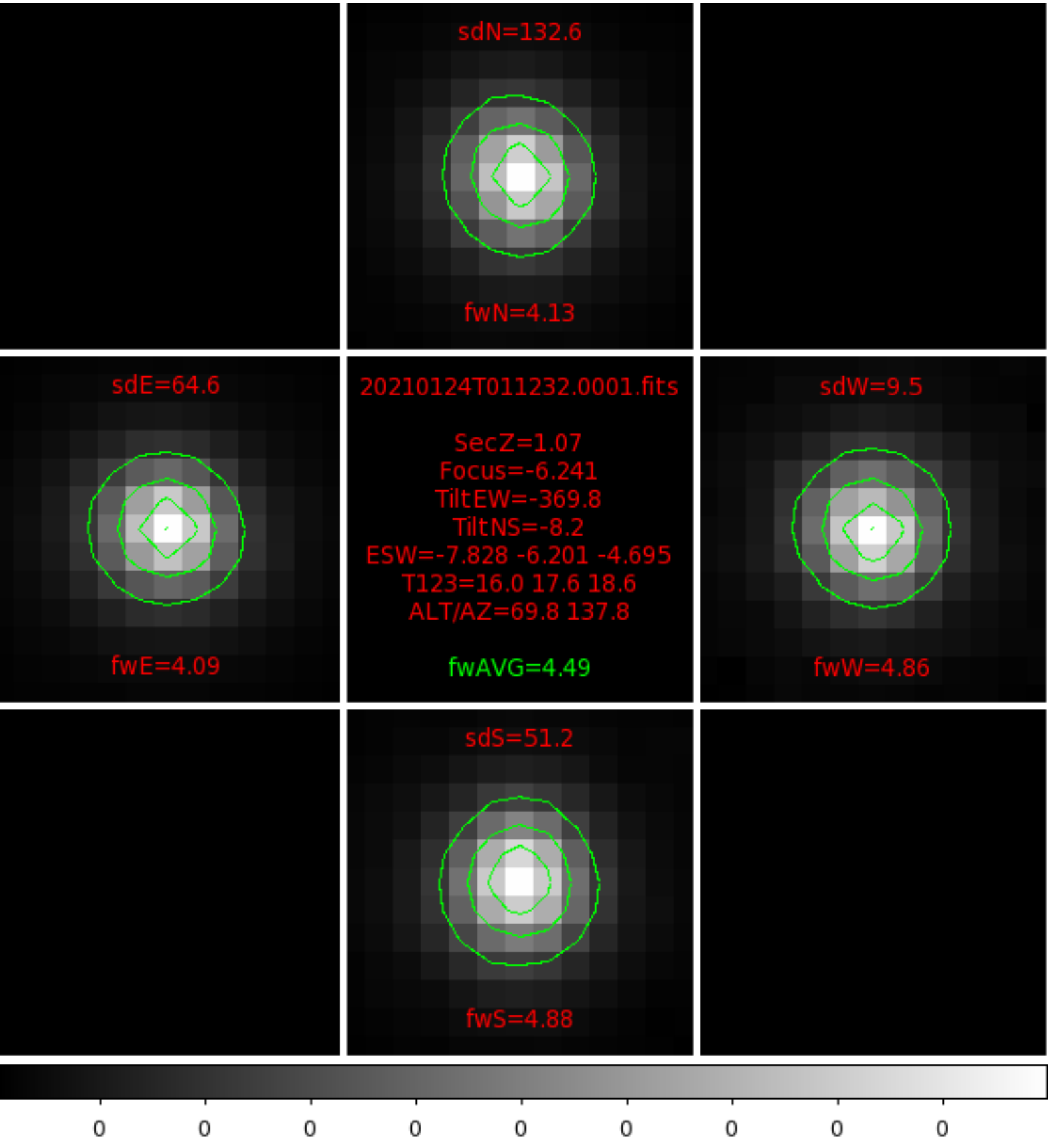
sdN=132.6
fwN=4.13
sdE=64.6
fwE=4.09
20210124T011232.0001.fits
SecZ=1.07
Focus=-6.241
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.828 -6.201 -4.695
T123=16.0 17.6 18.6
ALT/AZ=69.8 137.8
fwAVG=4.49
sdW=9.5
fwW=4.86
sdS=51.2
fwS=4.88
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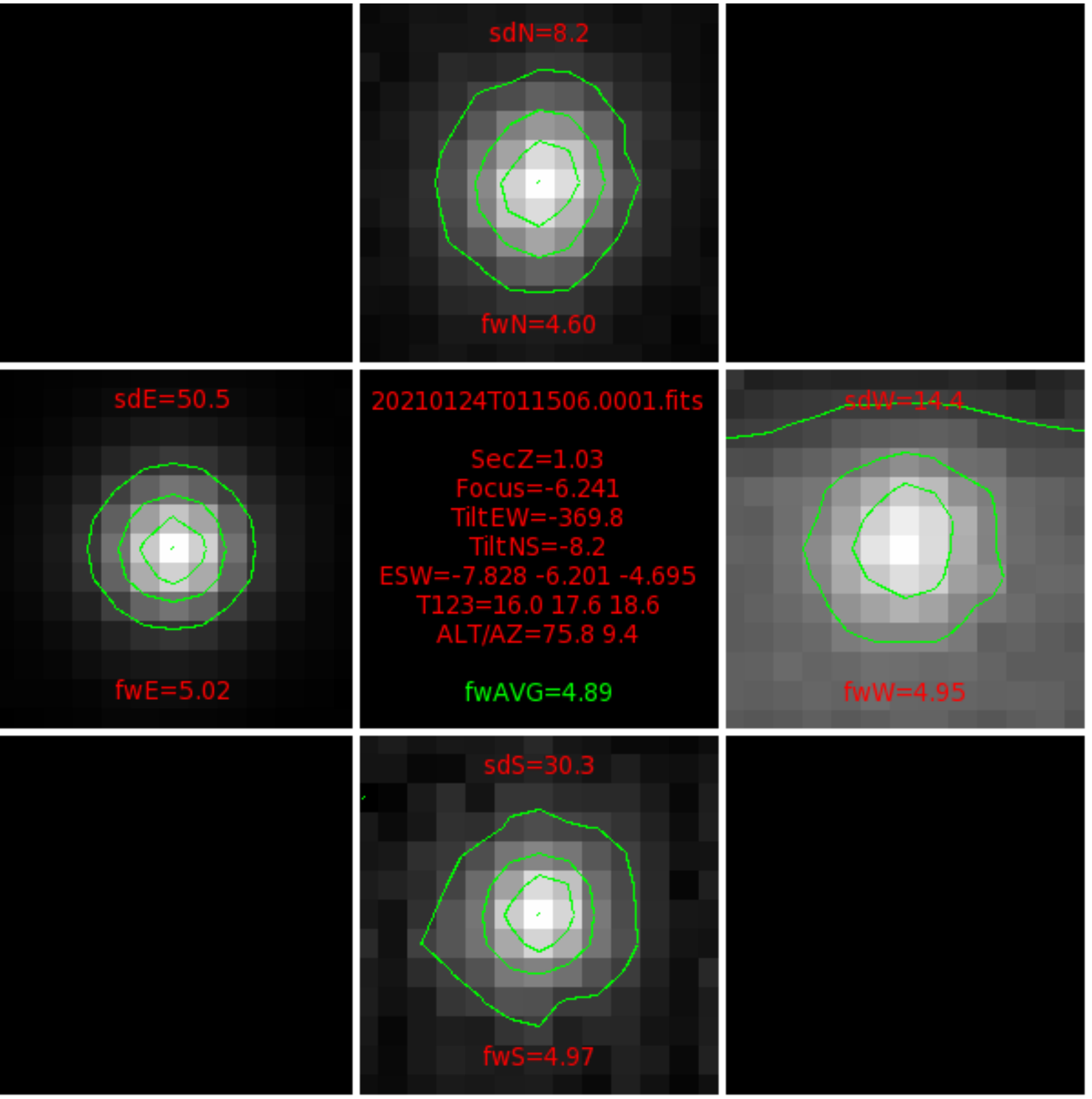
sdN=8.2
fwN=4.60
sdE=50.5
fwE=5.02
20210124T011506.0001.fits
SecZ=1.03
Focus=-6.241
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.828 -6.201 -4.695
T123=16.0 17.6 18.6
ALT/AZ=75.8 9.4
fwAVG=4.89
sdW=14.4
fwW=4.95
sdS=30.3
fwS=4.97
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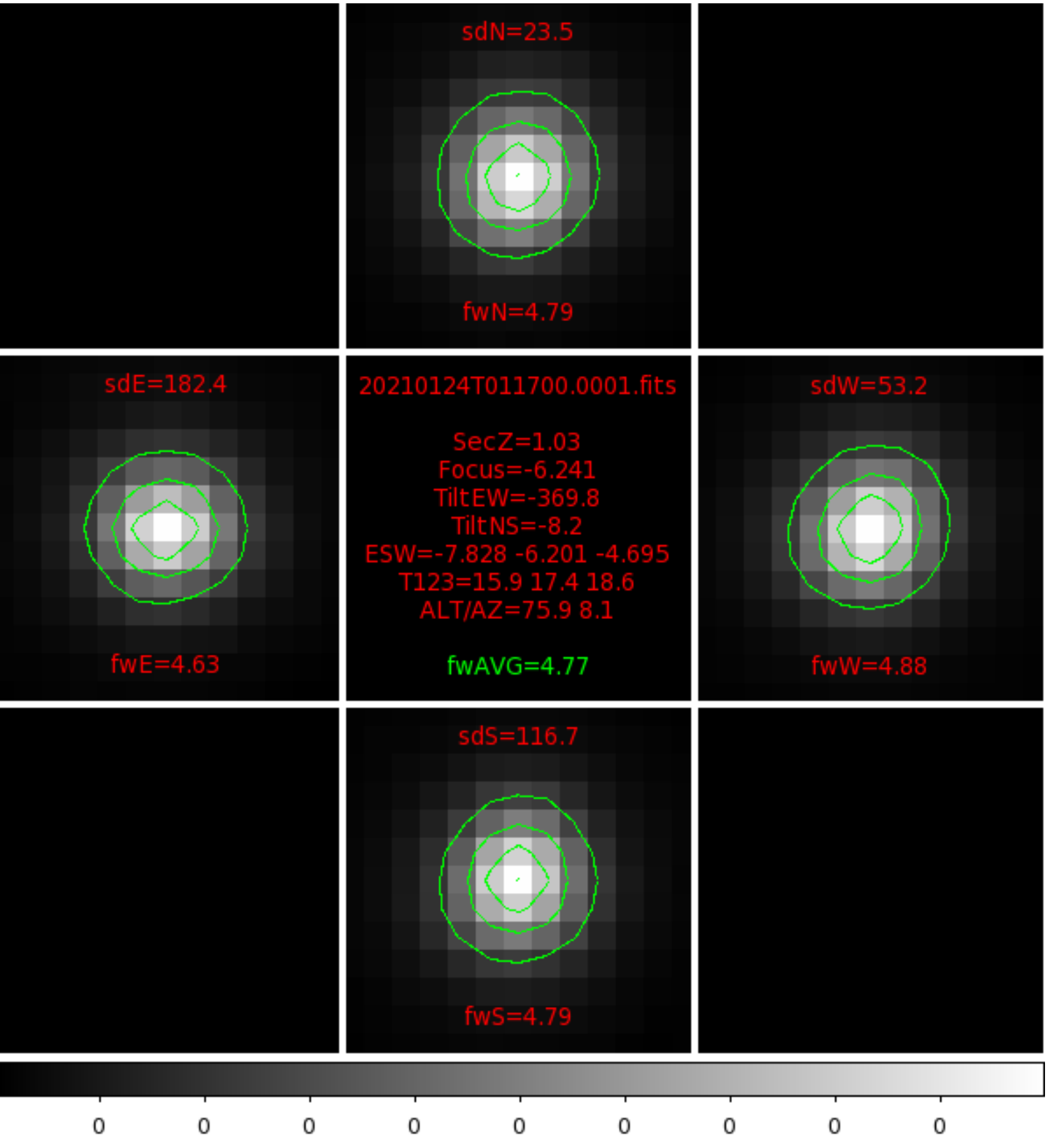
sdN=23.5
fwN=4.79
sdE=182.4
fwE=4.63
20210124T011700.0001.fits
SecZ=1.03
Focus=-6.241
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.828 -6.201 -4.695
T123=15.9 17.4 18.6
ALT/AZ=75.9 8.1
fwAVG=4.77
sdW=53.2
fwW=4.88
sdS=116.7
fwS=4.79
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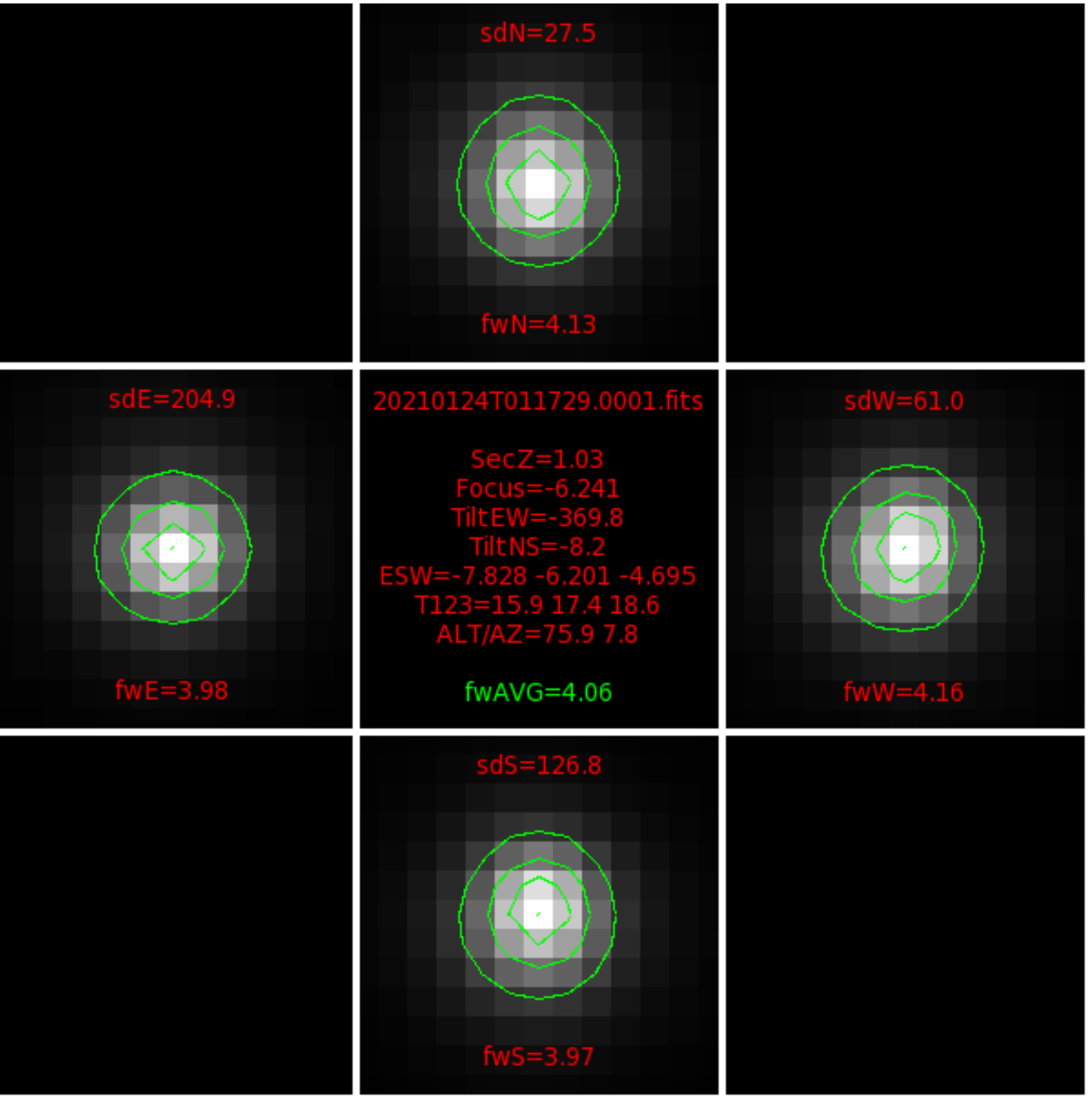
sdN=27.5
fwN=4.13
sdE=204.9
20210124T011729.0001.fits
SecZ=1.03
Focus=-6.241
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.828 -6.201 -4.695
T123=15.9 17.4 18.6
ALT/AZ=75.9 7.8
fwAVG=4.06
sdW=61.0
fwE=3.98
fwW=4.16
sdS=126.8
fwS=3.97
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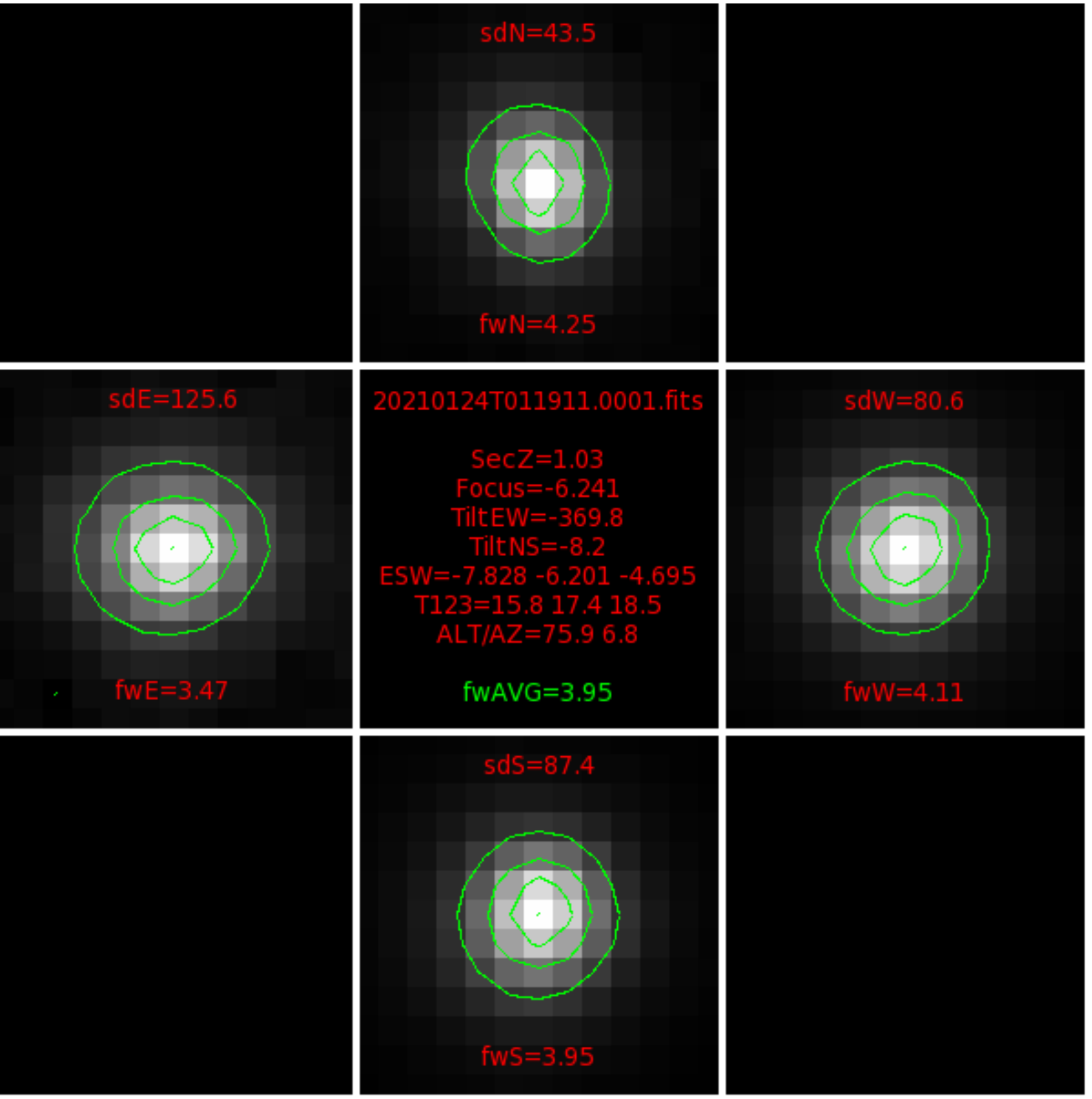
sdN=43.5
fwN=4.25
sdE=125.6
fwE=3.47
20210124T011911.0001.fits
SecZ=1.03
Focus=-6.241
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.828 -6.201 -4.695
T123=15.8 17.4 18.5
ALT/AZ=75.9 6.8
fwAVG=3.95
sdW=80.6
fwW=4.11
sdS=87.4
fwS=3.95
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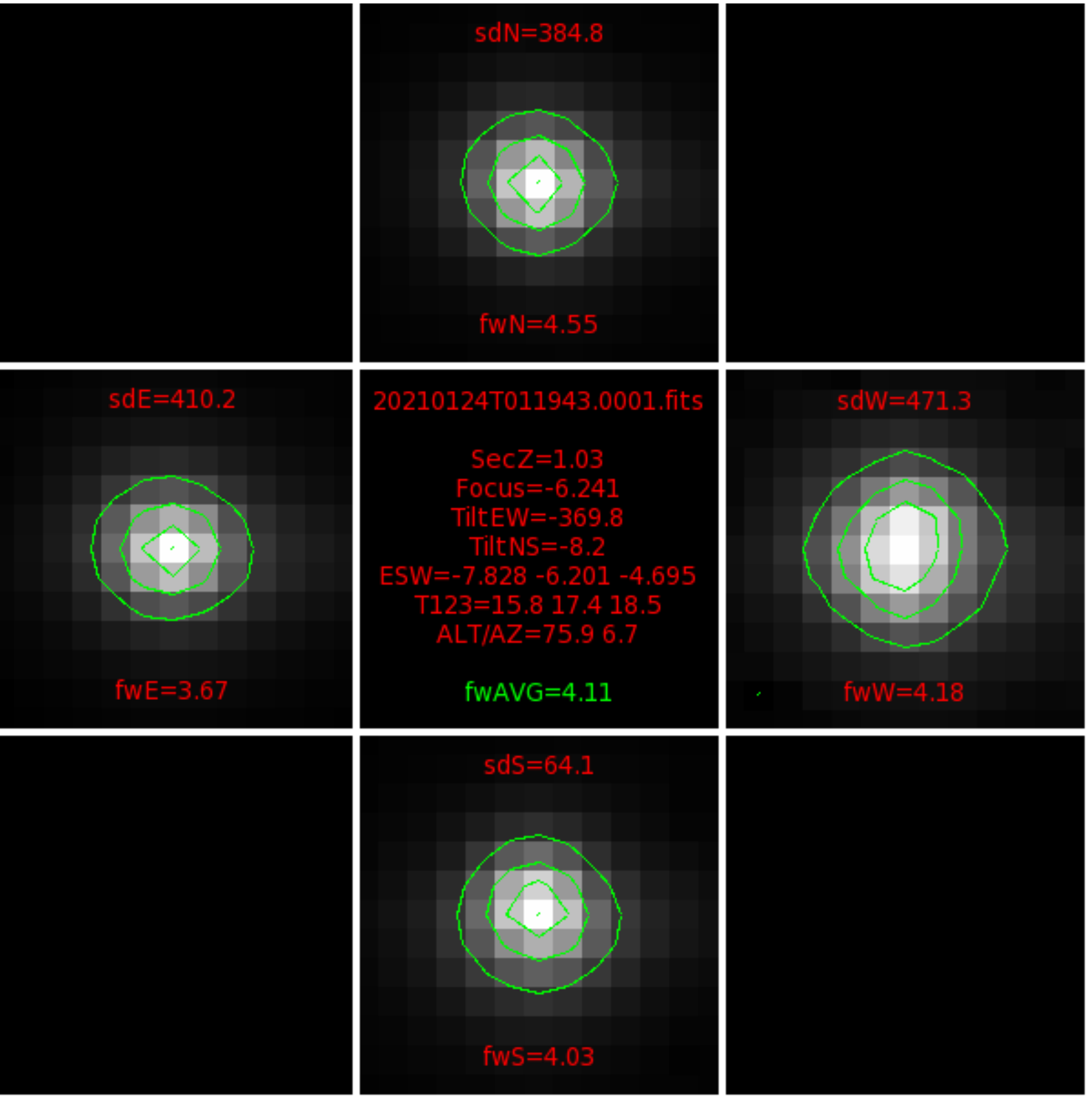
sdN=384.8
fwN=4.55
sdE=410.2
fwE=3.67
20210124T011943.0001.fits
SecZ=1.03
Focus=-6.241
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.828 -6.201 -4.695
T123=15.8 17.4 18.5
ALT/AZ=75.9 6.7
fwAVG=4.11
sdW=471.3
fwW=4.18
sdS=64.1
fwS=4.03
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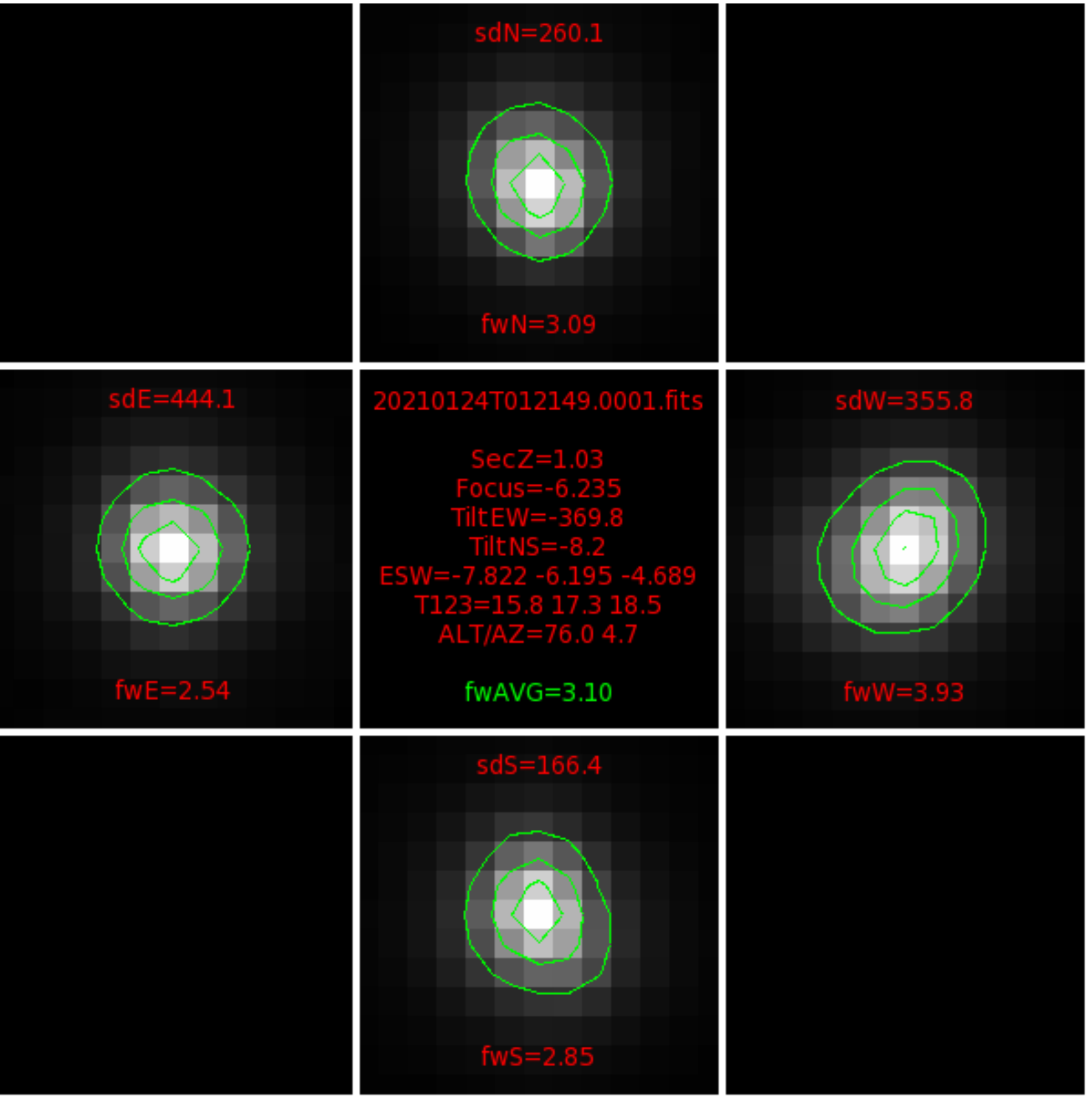
sdN=260.1
fwN=3.09
sdE=444.1
fwE=2.54
20210124T012149.0001.fits
SecZ=1.03
Focus=-6.235
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.822 -6.195 -4.689
T123=15.8 17.3 18.5
ALT/AZ=76.0 4.7
fwAVG=3.10
sdW=355.8
fwW=3.93
sdS=166.4
fwS=2.85
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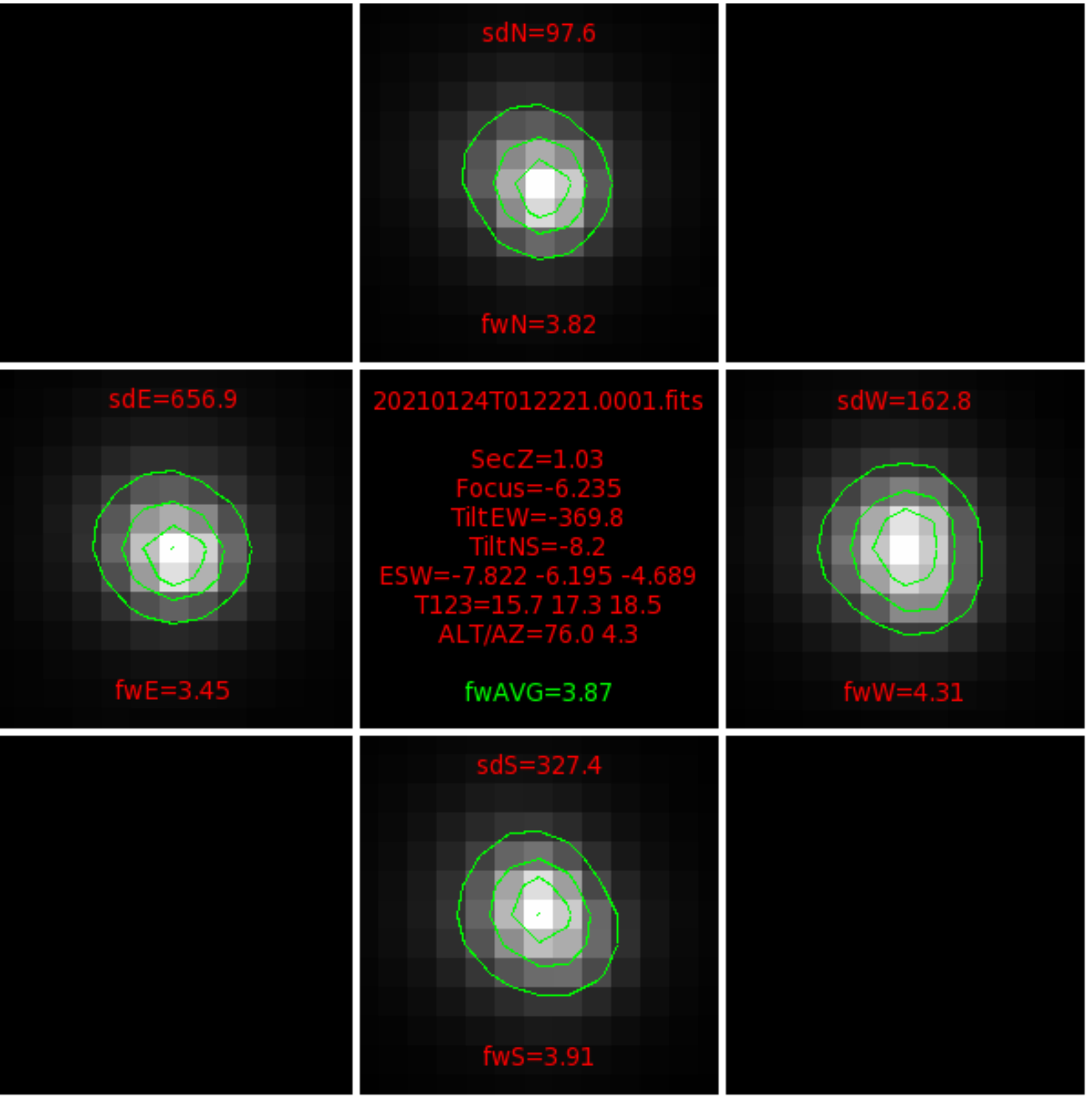
sdN=97.6
fwN=3.82
sdE=656.9
fwE=3.45
20210124T012221.0001.fits
SecZ=1.03
Focus=-6.235
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.822 -6.195 -4.689
T123=15.7 17.3 18.5
ALT/AZ=76.0 4.3
fwAVG=3.87
sdW=162.8
fwW=4.31
sdS=327.4
fwS=3.91
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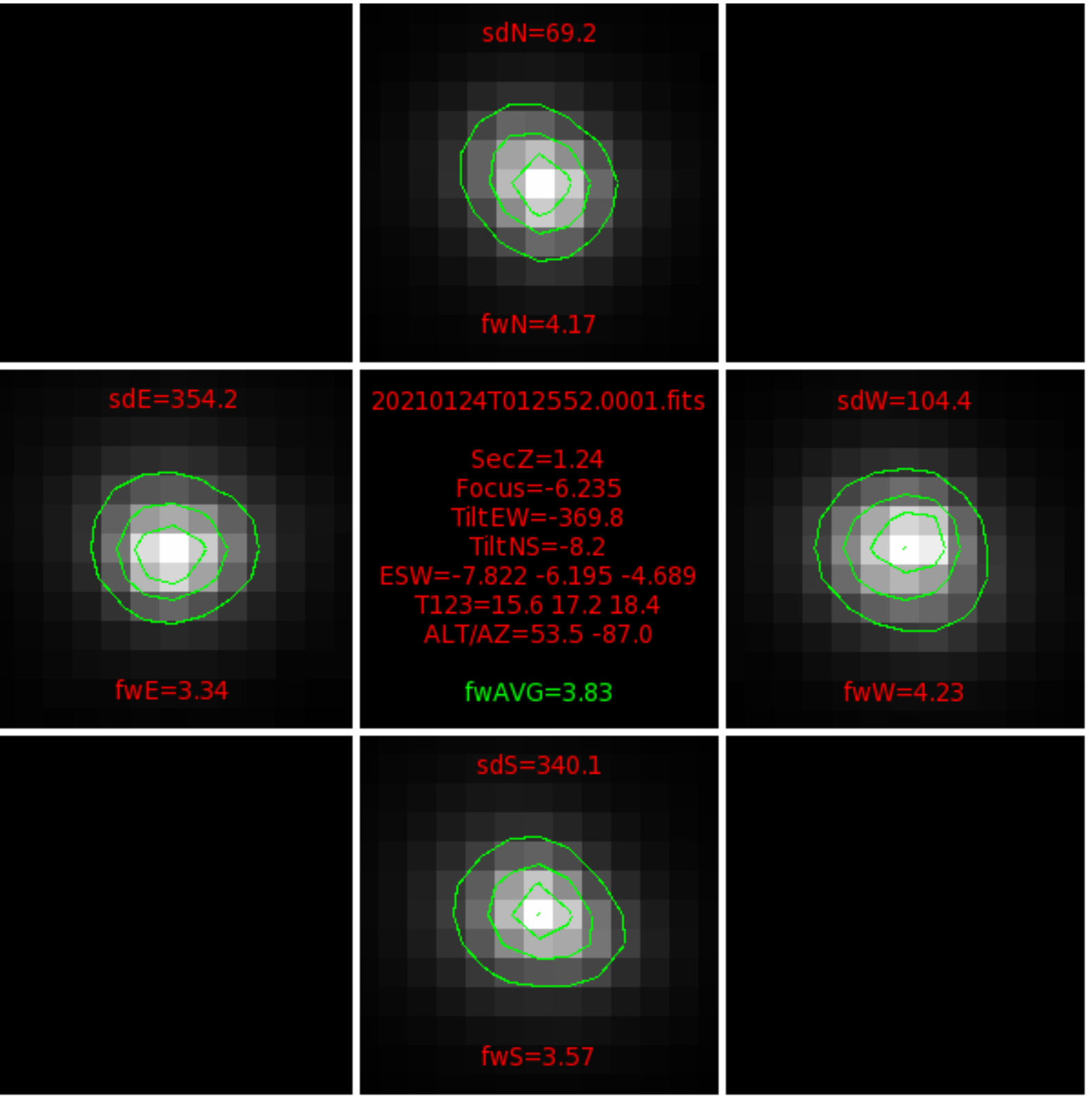
sdN=69.2
fwN=4.17
sdE=354.2
fwE=3.34
20210124T012552.0001.fits
SecZ=1.24
Focus=-6.235
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.822 -6.195 -4.689
T123=15.6 17.2 18.4
ALT/AZ=53.5 -87.0
fwAVG=3.83
sdW=104.4
fwW=4.23
sdS=340.1
fwS=3.57
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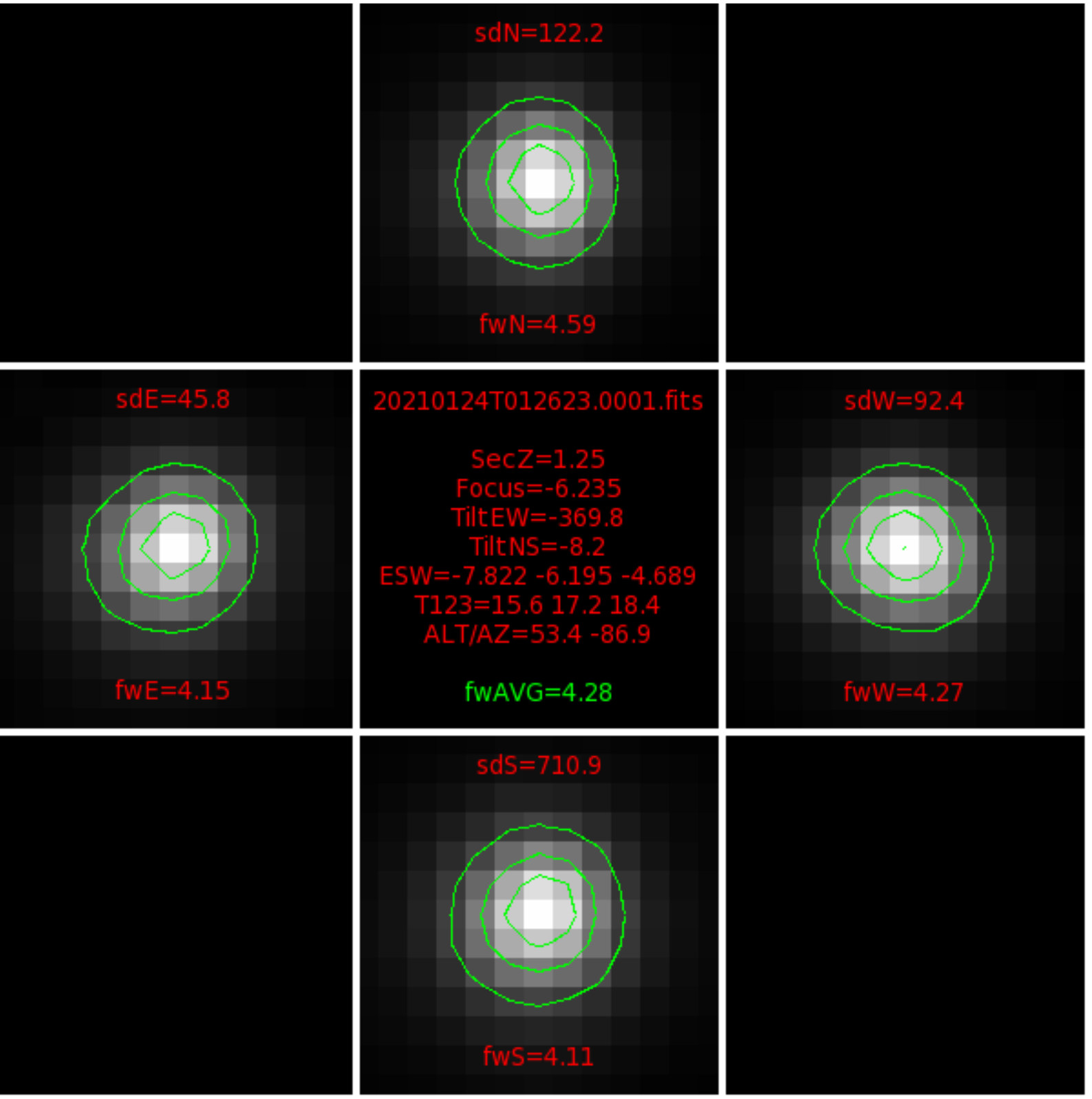
sdN=122.2
fwN=4.59
sdE=45.8
fwE=4.15
20210124T012623.0001.fits
SecZ=1.25
Focus=-6.235
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.822 -6.195 -4.689
T123=15.6 17.2 18.4
ALT/AZ=53.4 -86.9
fwAVG=4.28
sdW=92.4
fwW=4.27
sdS=710.9
fwS=4.11
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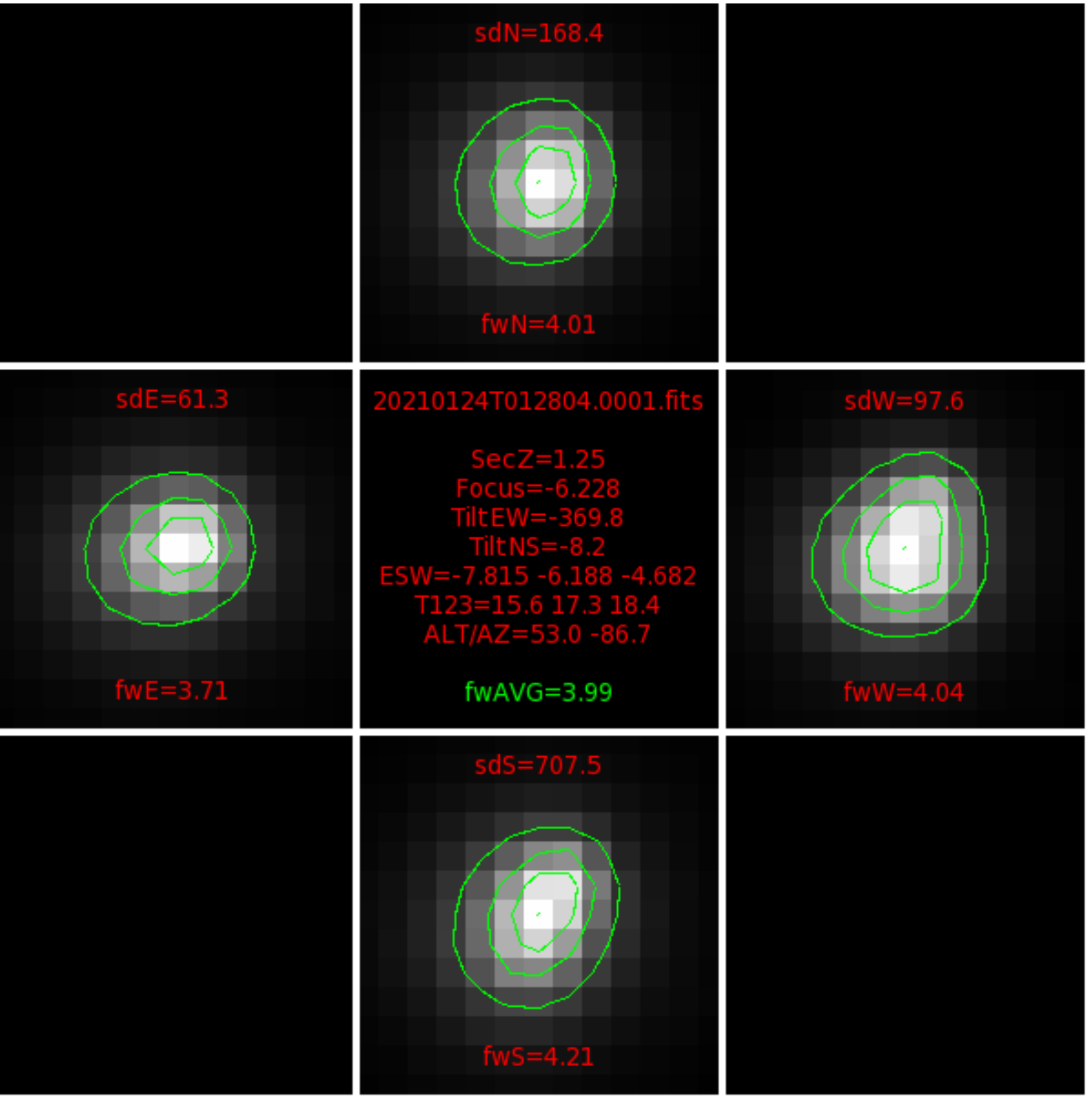
sdN=168.4
fwN=4.01
sdE=61.3
fwE=3.71
20210124T012804.0001.fits
SecZ=1.25
Focus=-6.228
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.815 -6.188 -4.682
T123=15.6 17.3 18.4
ALT/AZ=53.0 -86.7
fwAVG=3.99
sdW=97.6
fwW=4.04
sdS=707.5
fwS=4.21
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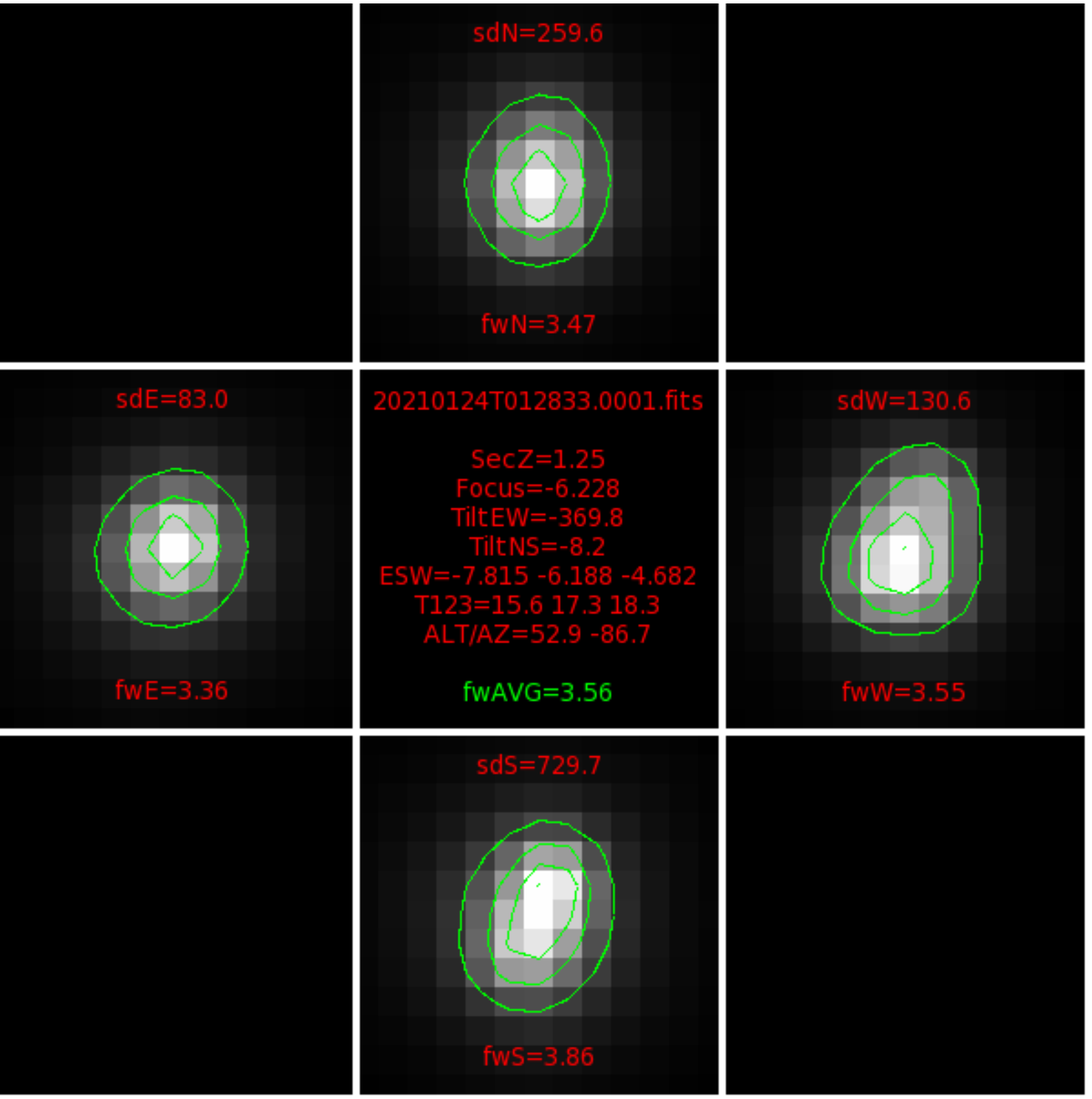
sdN=259.6
fwN=3.47
sdE=83.0
fwE=3.36
20210124T012833.0001.fits
SecZ=1.25
Focus=-6.228
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.815 -6.188 -4.682
T123=15.6 17.3 18.3
ALT/AZ=52.9 -86.7
fwAVG=3.56
sdW=130.6
fwW=3.55
sdS=729.7
fwS=3.86
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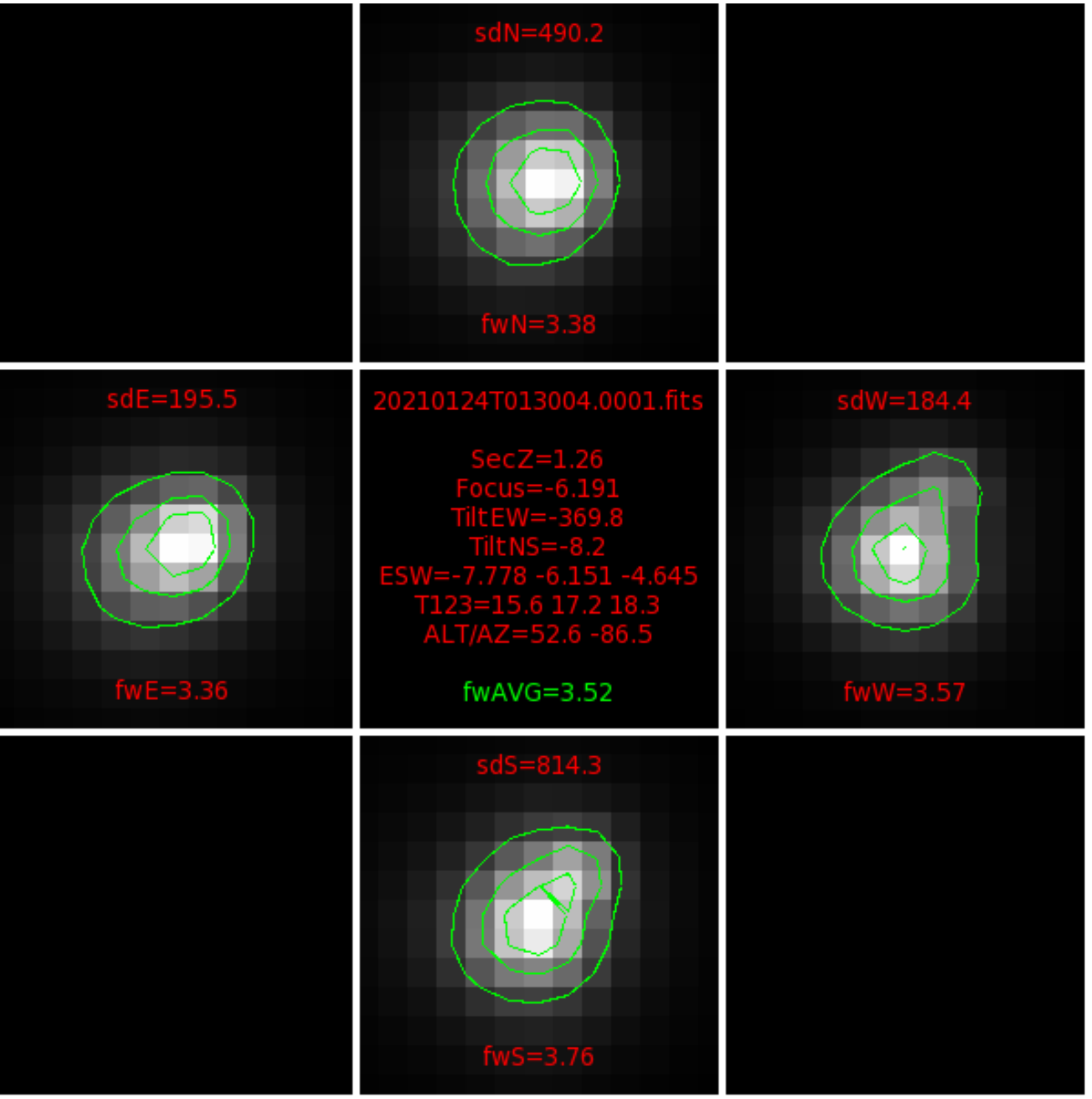
sdN=490.2
fwN=3.38
sdE=195.5
fwE=3.36
20210124T013004.0001.fits
SecZ=1.26
Focus=-6.191
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.778 -6.151 -4.645
T123=15.6 17.2 18.3
ALT/AZ=52.6 -86.5
fwAVG=3.52
sdW=184.4
fwW=3.57
sdS=814.3
fwS=3.76
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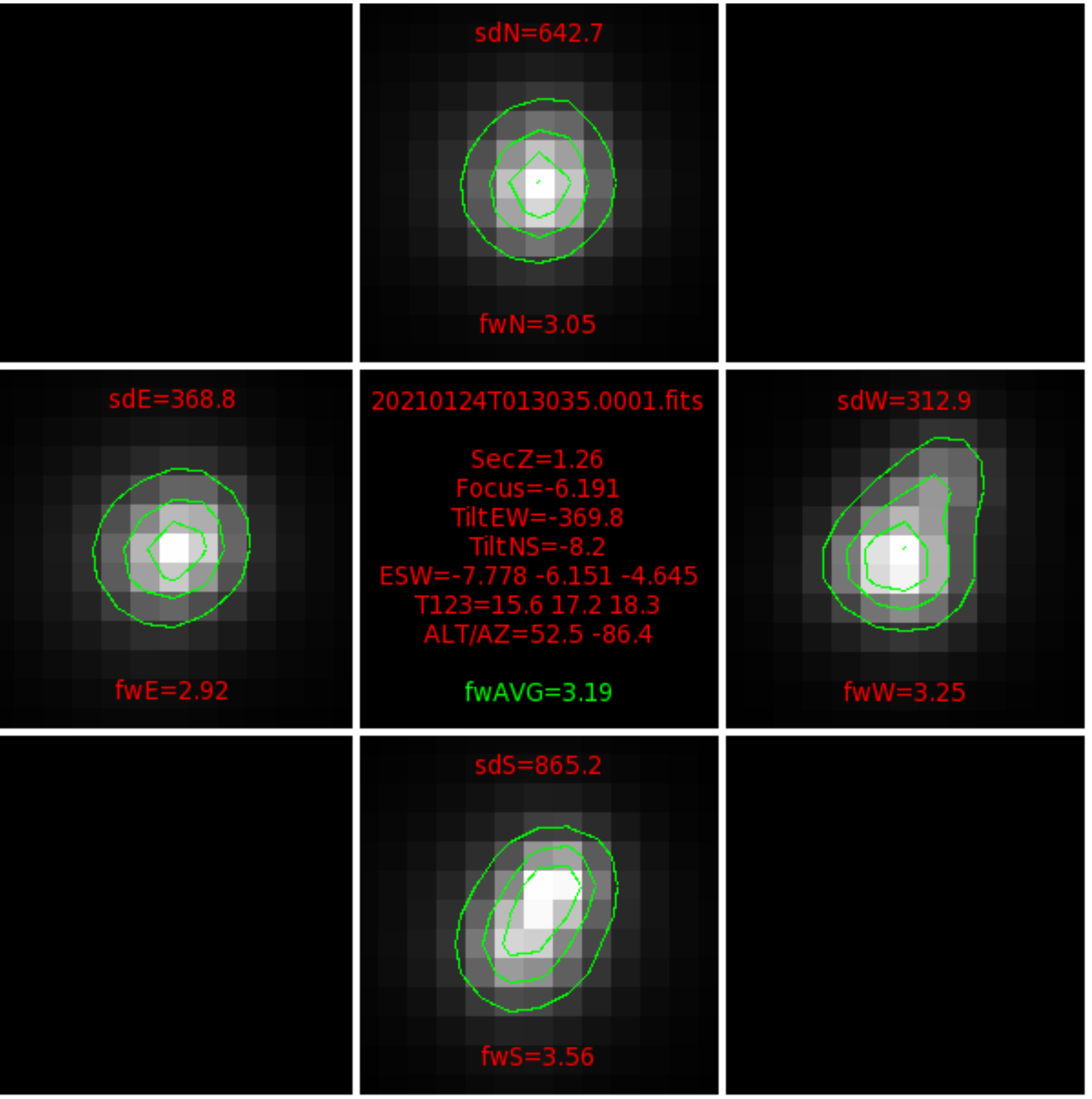
sdN=642.7
fwN=3.05
sdE=368.8
fwE=2.92
20210124T013035.0001.fits
SecZ=1.26
Focus=-6.191
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.778 -6.151 -4.645
T123=15.6 17.2 18.3
ALT/AZ=52.5 -86.4
fwAVG=3.19
sdW=312.9
fwW=3.25
sdS=865.2
fwS=3.56
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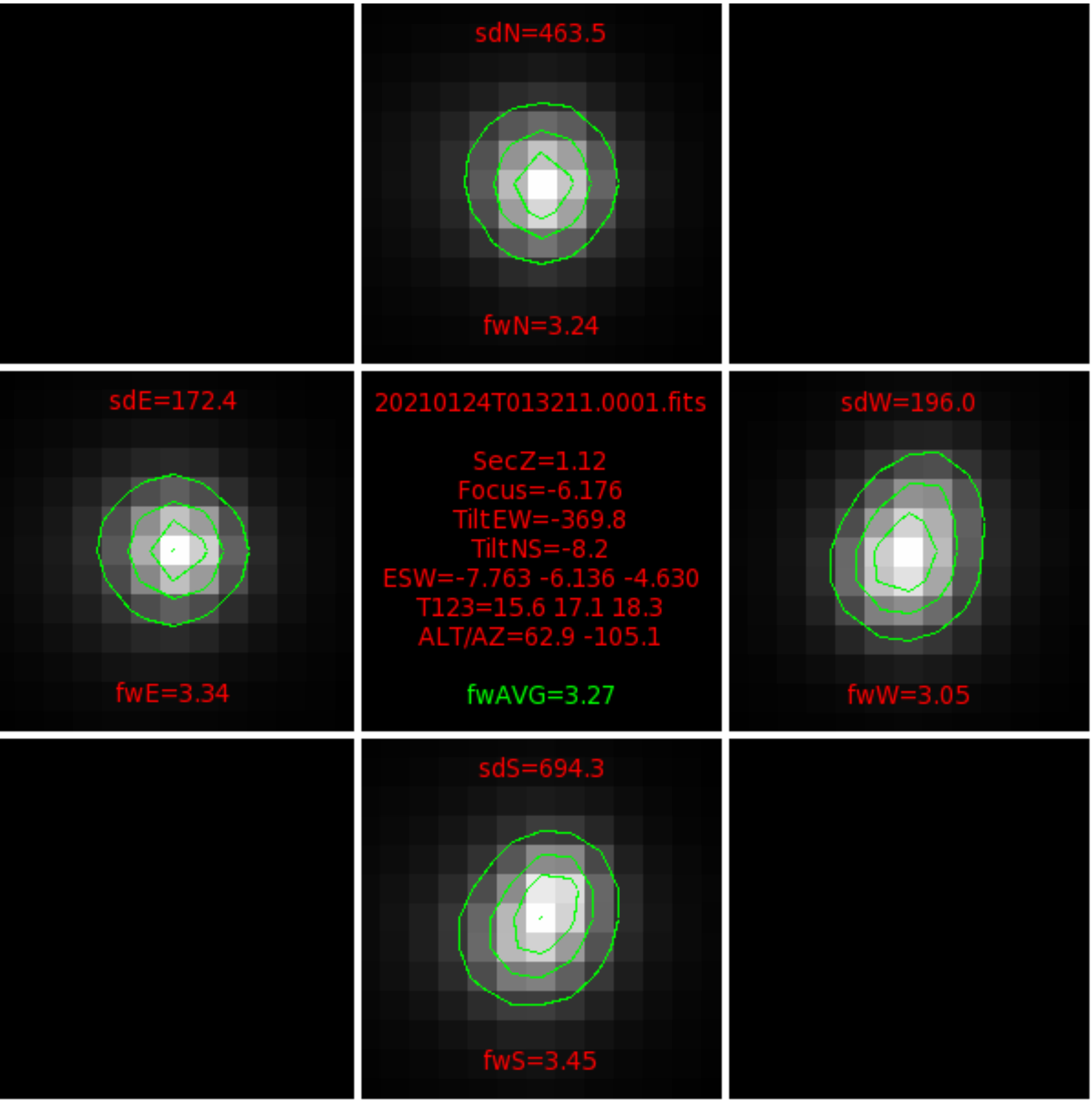
sdN=463.5
fwN=3.24
sdE=172.4
fwE=3.34
20210124T013211.0001.fits
SecZ=1.12
Focus=-6.176
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.763 -6.136 -4.630
T123=15.6 17.1 18.3
ALT/AZ=62.9 -105.1
fwAVG=3.27
sdW=196.0
fwW=3.05
sdS=694.3
fwS=3.45
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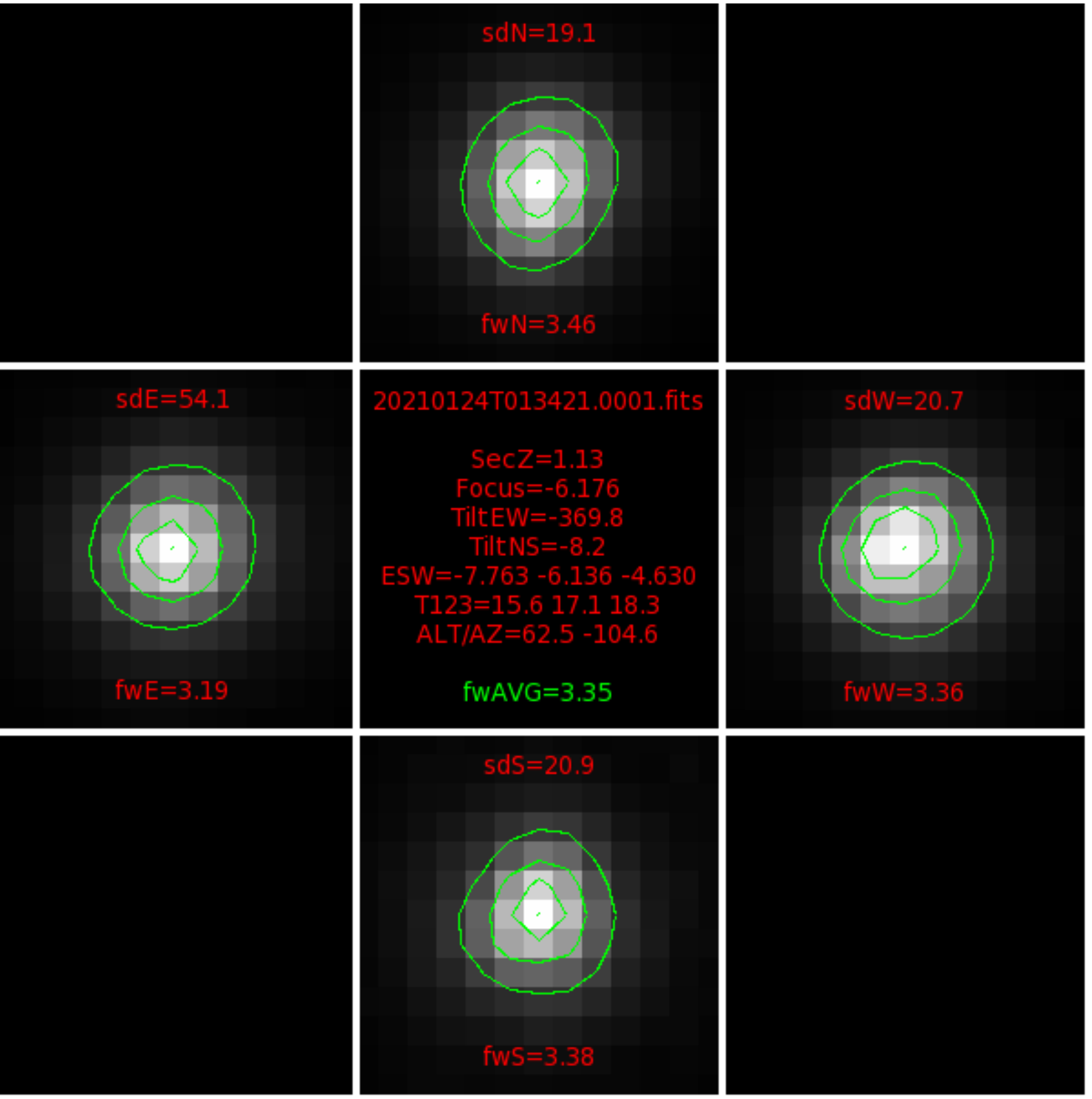
sdN=19.1
fwN=3.46
sdE=54.1
fwE=3.19
20210124T013421.0001.fits
SecZ=1.13
Focus=-6.176
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.763 -6.136 -4.630
T123=15.6 17.1 18.3
ALT/AZ=62.5 -104.6
fwAVG=3.35
sdW=20.7
fwW=3.36
sdS=20.9
fwS=3.38
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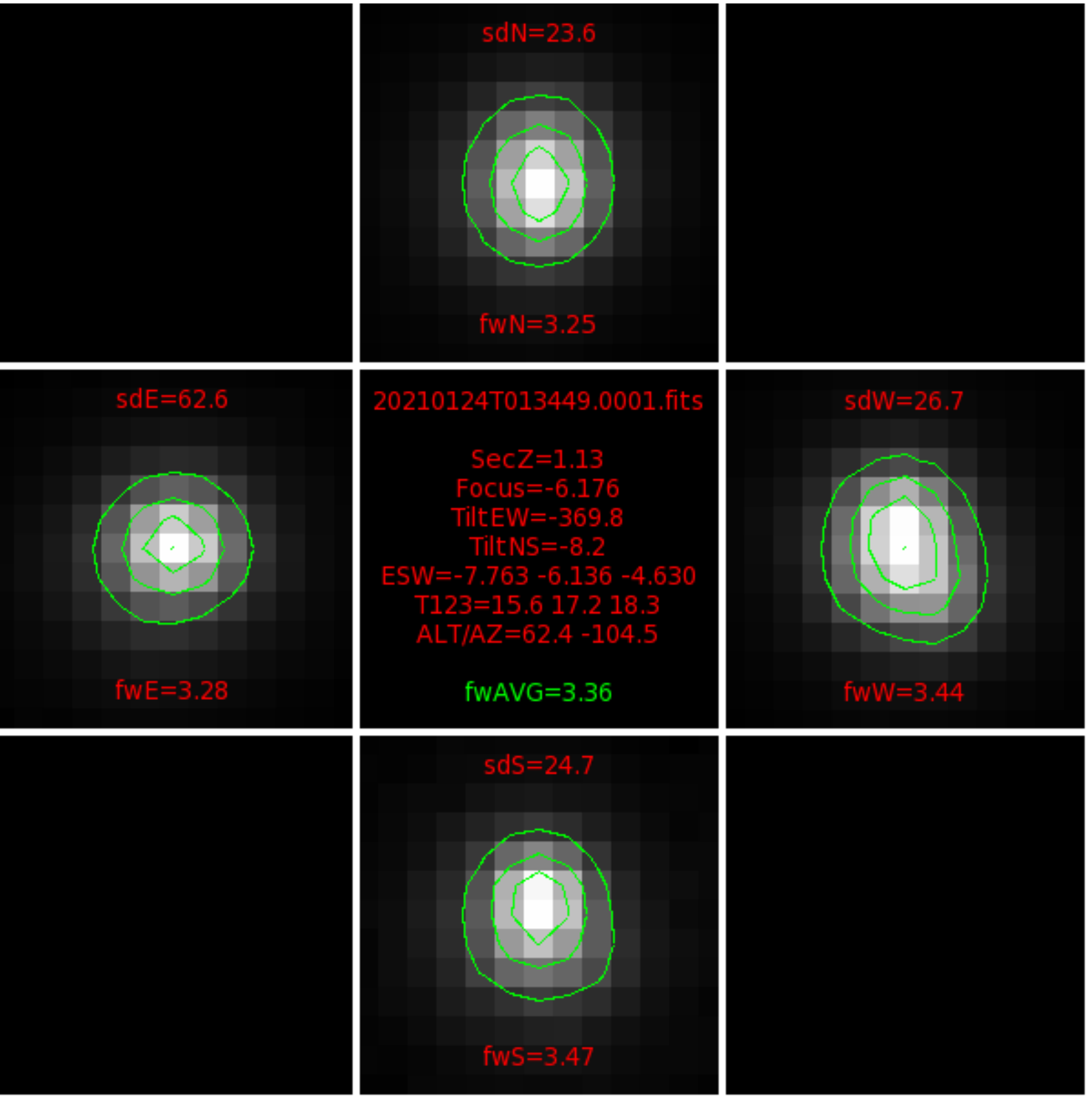
sdN=23.6
fwN=3.25
sdE=62.6
fwE=3.28
20210124T013449.0001.fits
SecZ=1.13
Focus=-6.176
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.763 -6.136 -4.630
T123=15.6 17.2 18.3
ALT/AZ=62.4 -104.5
fwAVG=3.36
sdW=26.7
fwW=3.44
sdS=24.7
fwS=3.47
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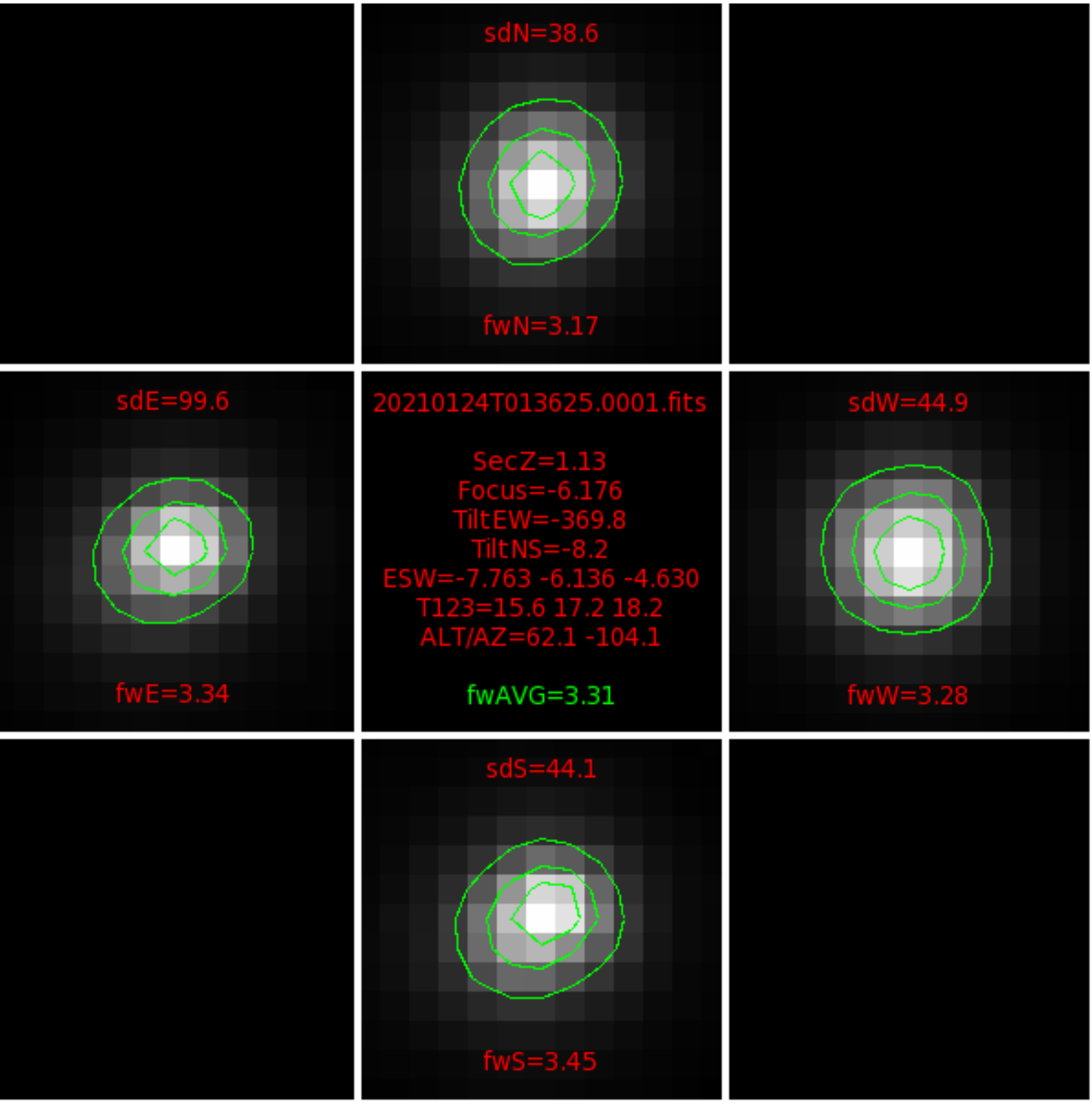
sdN=38.6
fwN=3.17
sdE=99.6
fwE=3.34
20210124T013625.0001.fits
SecZ=1.13
Focus=-6.176
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.763 -6.136 -4.630
T123=15.6 17.2 18.2
ALT/AZ=62.1 -104.1
fwAVG=3.31
sdW=44.9
fwW=3.28
sdS=44.1
fwS=3.45
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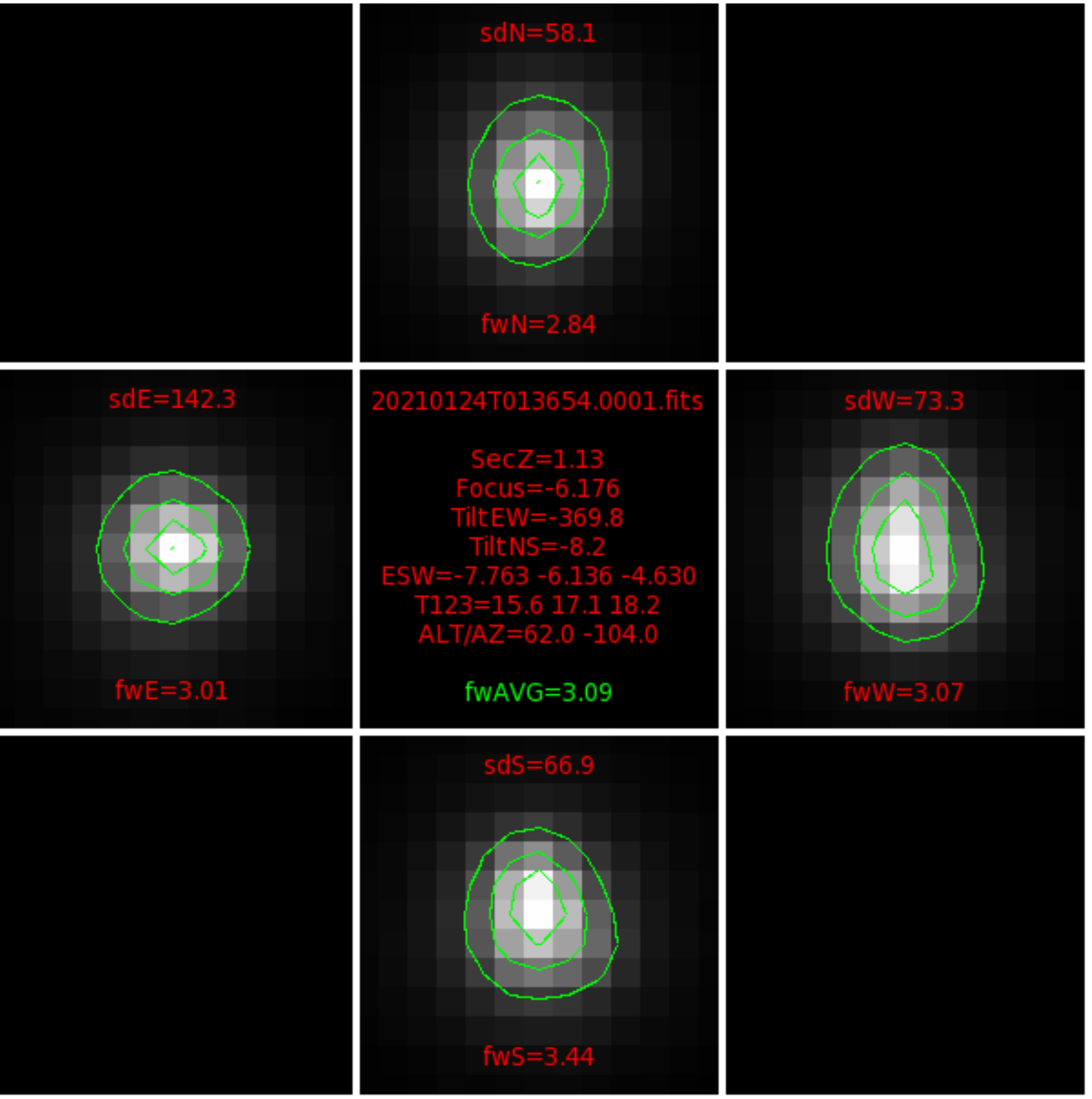
sdN=58.1
fwN=2.84
sdE=142.3
fwE=3.01
20210124T013654.0001.fits
SecZ=1.13
Focus=-6.176
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.763 -6.136 -4.630
T123=15.6 17.1 18.2
ALT/AZ=62.0 -104.0
fwAVG=3.09
sdW=73.3
fwW=3.07
sdS=66.9
fwS=3.44
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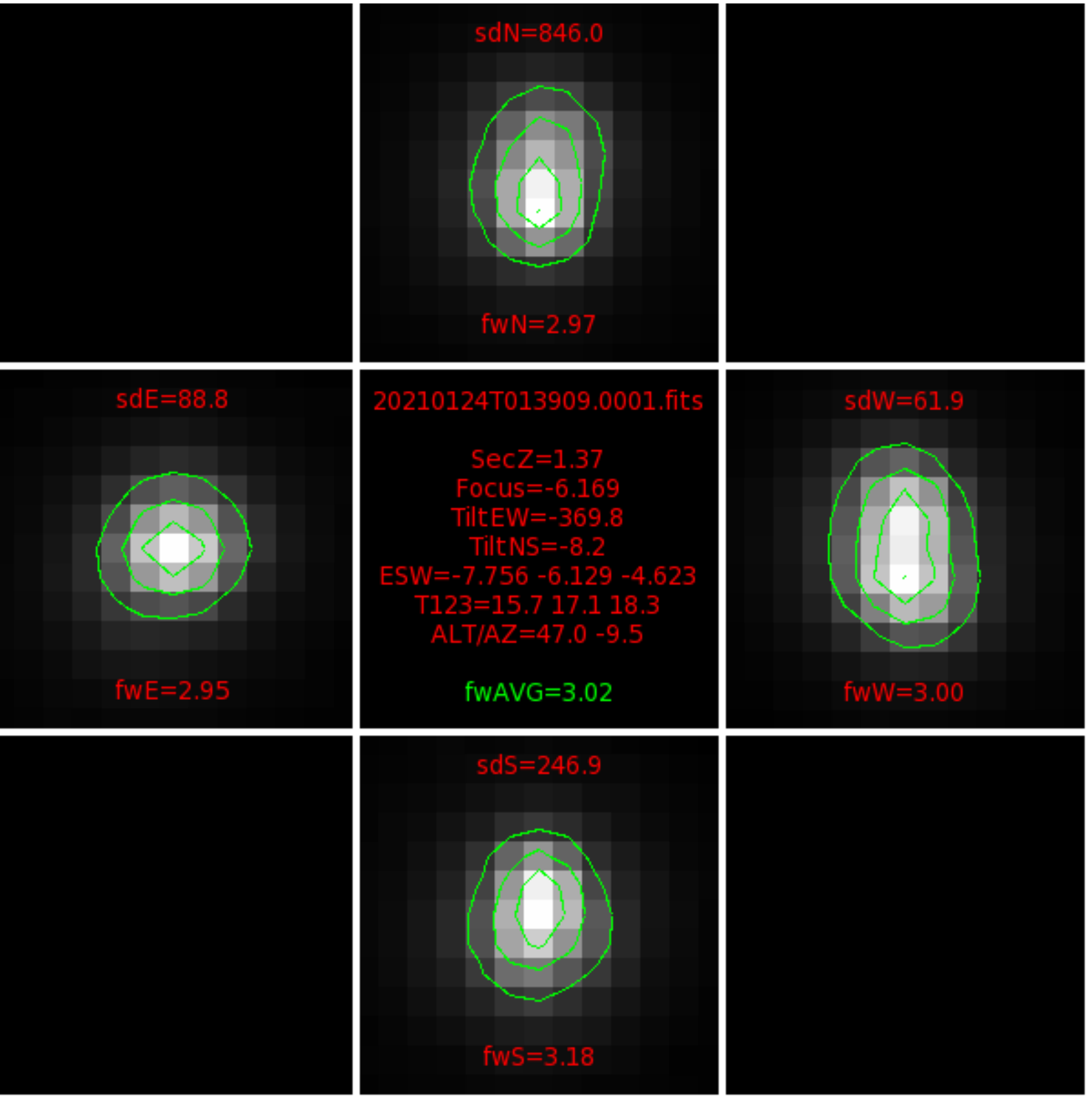
sdN=846.0
fwN=2.97
sdE=88.8
fwE=2.95
20210124T013909.0001.fits
SecZ=1.37
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=15.7 17.1 18.3
ALT/AZ=47.0 -9.5
fwAVG=3.02
sdW=61.9
fwW=3.00
sdS=246.9
fwS=3.18
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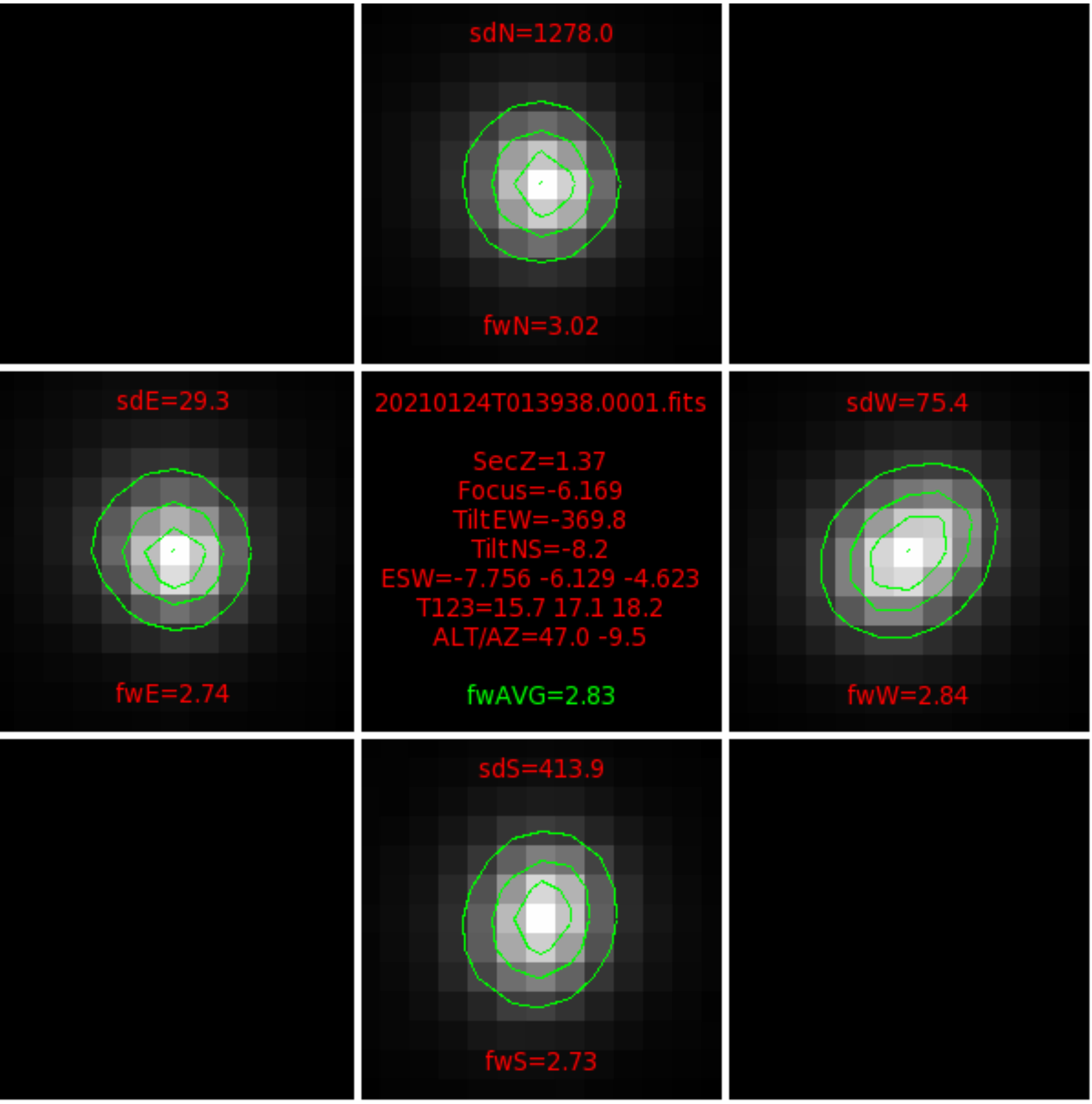
sdN=1278.0
fwN=3.02
sdE=29.3
fwE=2.74
20210124T013938.0001.fits
SecZ=1.37
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=15.7 17.1 18.2
ALT/AZ=47.0 -9.5
fwAVG=2.83
sdW=75.4
fwW=2.84
sdS=413.9
fwS=2.73
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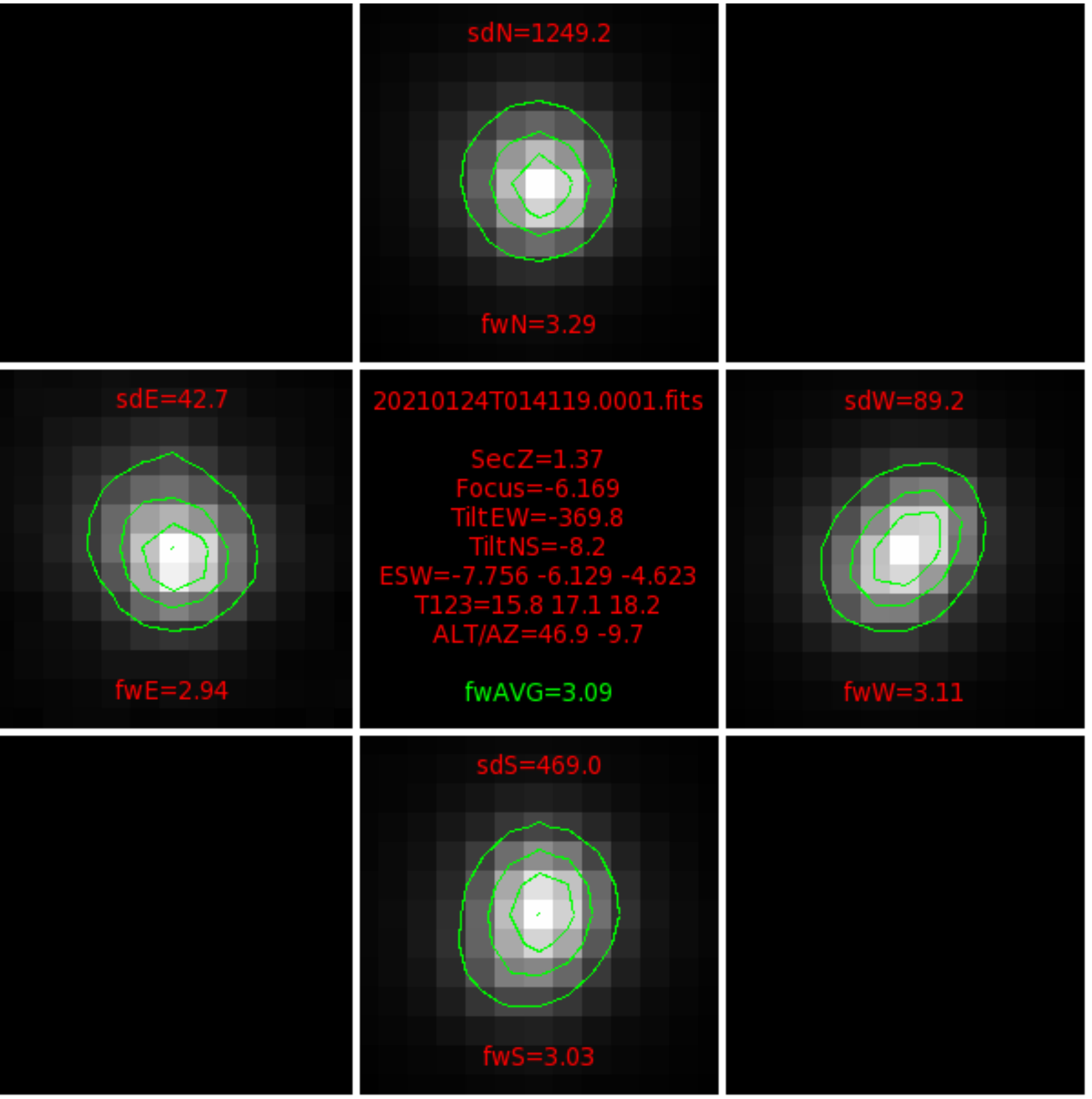
sdN=1249.2
fwN=3.29
sdE=42.7
fwE=2.94
20210124T014119.0001.fits
SecZ=1.37
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=15.8 17.1 18.2
ALT/AZ=46.9 -9.7
fwAVG=3.09
sdW=89.2
fwW=3.11
sdS=469.0
fwS=3.03
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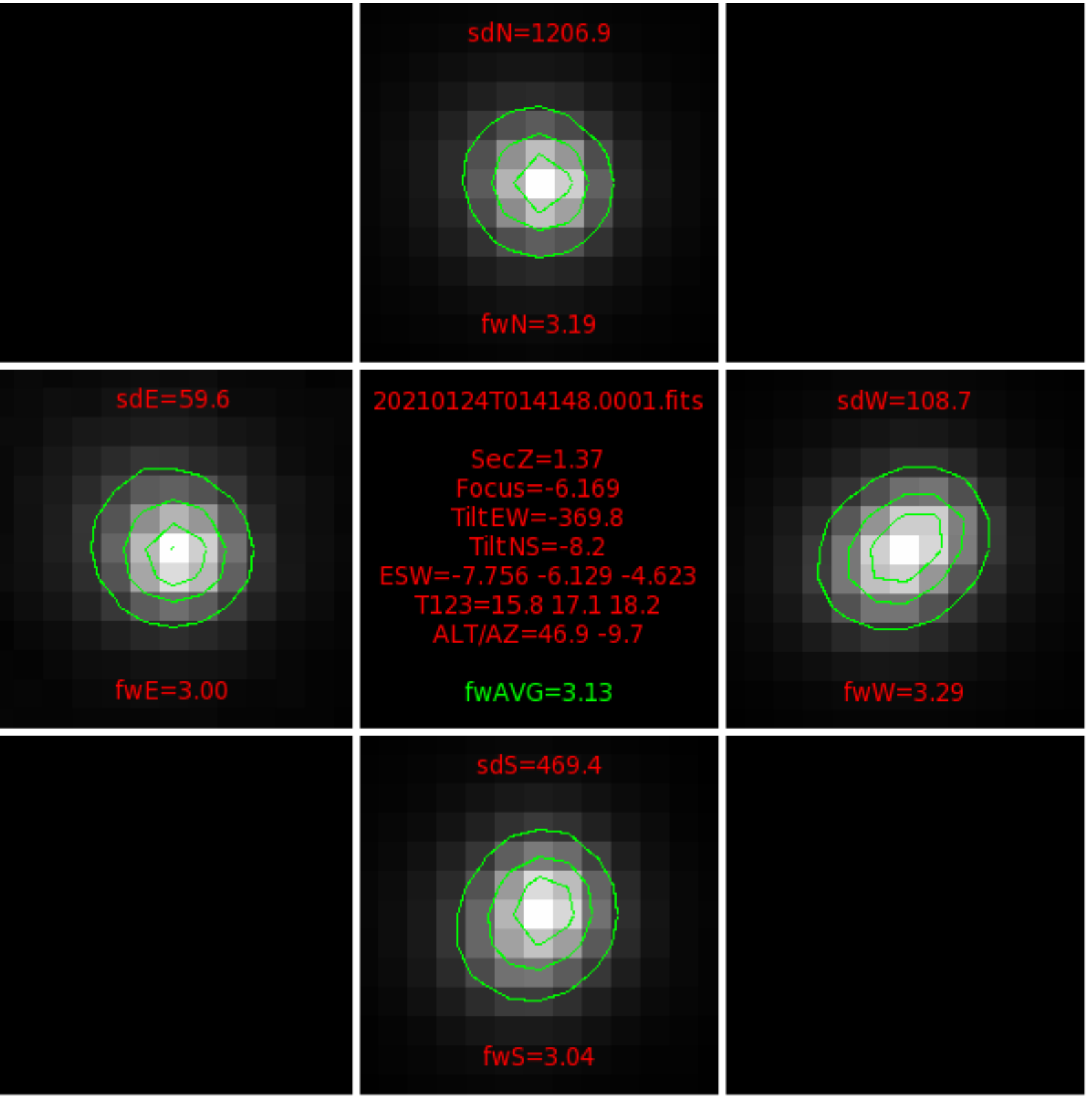
sdN=1206.9
fwN=3.19
sdE=59.6
fwE=3.00
20210124T014148.0001.fits
SecZ=1.37
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=15.8 17.1 18.2
ALT/AZ=46.9 -9.7
fwAVG=3.13
sdW=108.7
fwW=3.29
sdS=469.4
fwS=3.04
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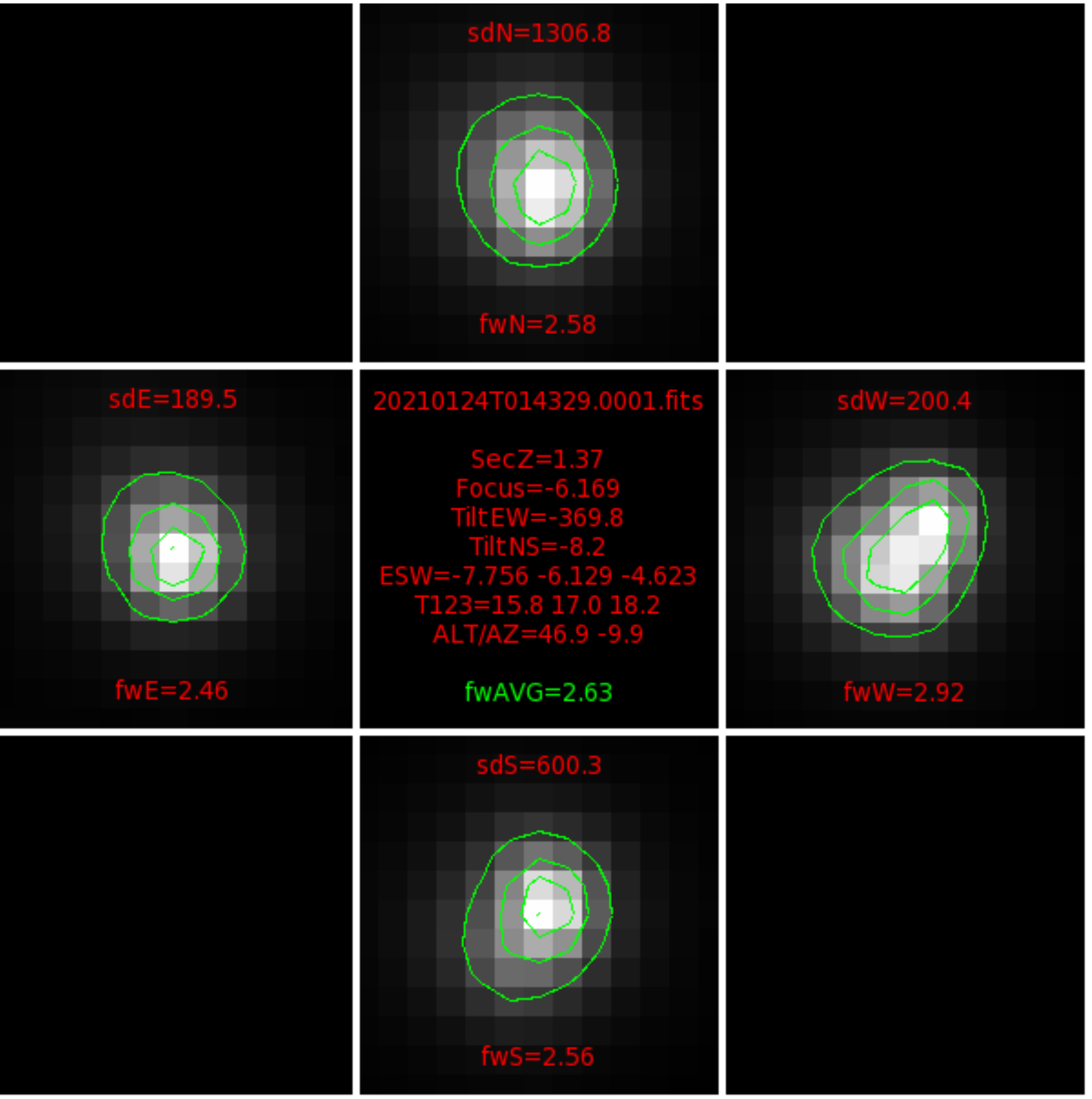
sdN=1306.8
fwN=2.58
sdE=189.5
fwE=2.46
20210124T014329.0001.fits
SecZ=1.37
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=15.8 17.0 18.2
ALT/AZ=46.9 -9.9
fwAVG=2.63
sdW=200.4
fwW=2.92
sdS=600.3
fwS=2.56
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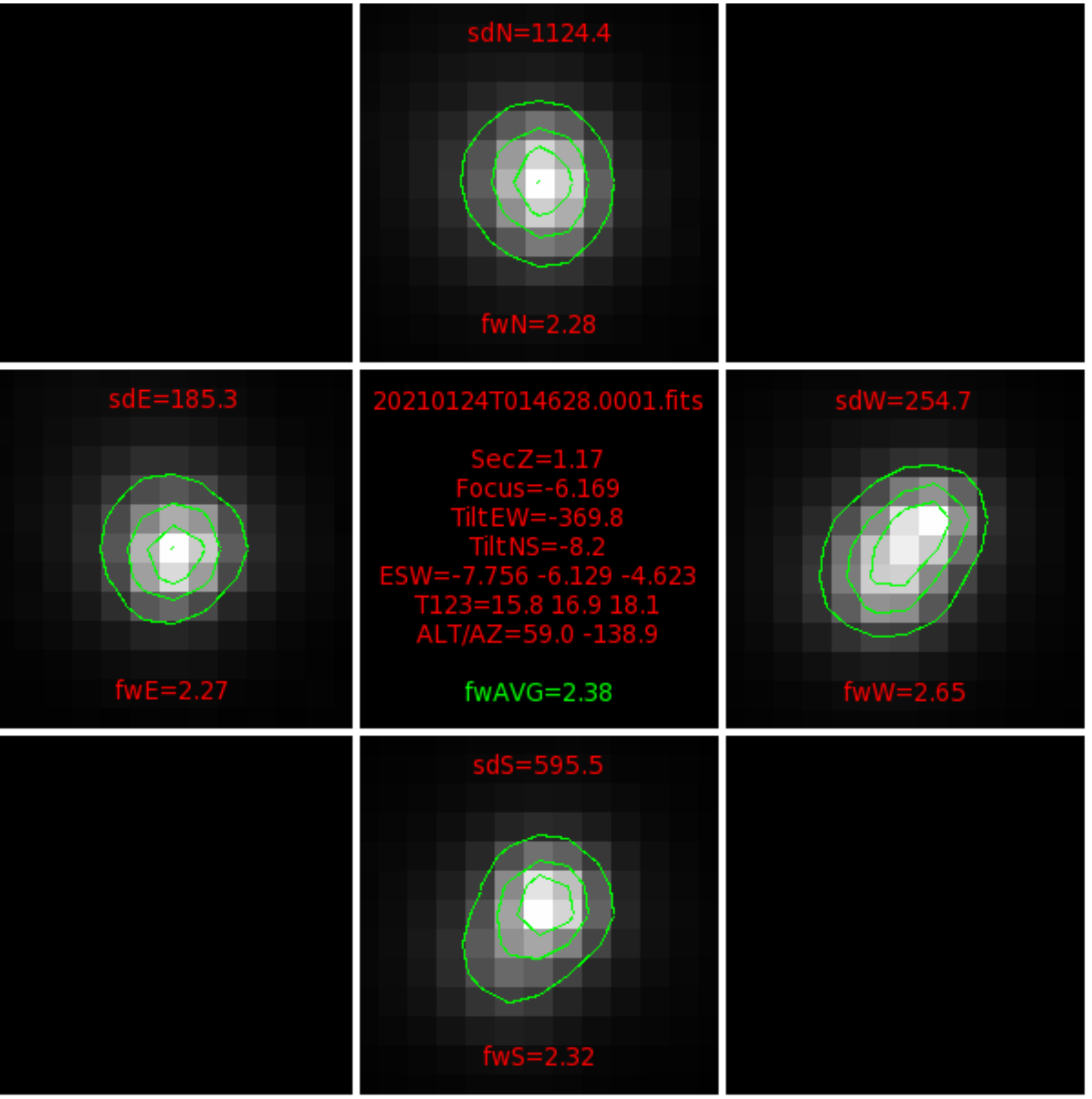
sdN=1124.4
fwN=2.28
sdE=185.3
fwE=2.27
20210124T014628.0001.fits
SecZ=1.17
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=15.8 16.9 18.1
ALT/AZ=59.0 -138.9
fwAVG=2.38
sdW=254.7
fwW=2.65
sdS=595.5
fwS=2.32
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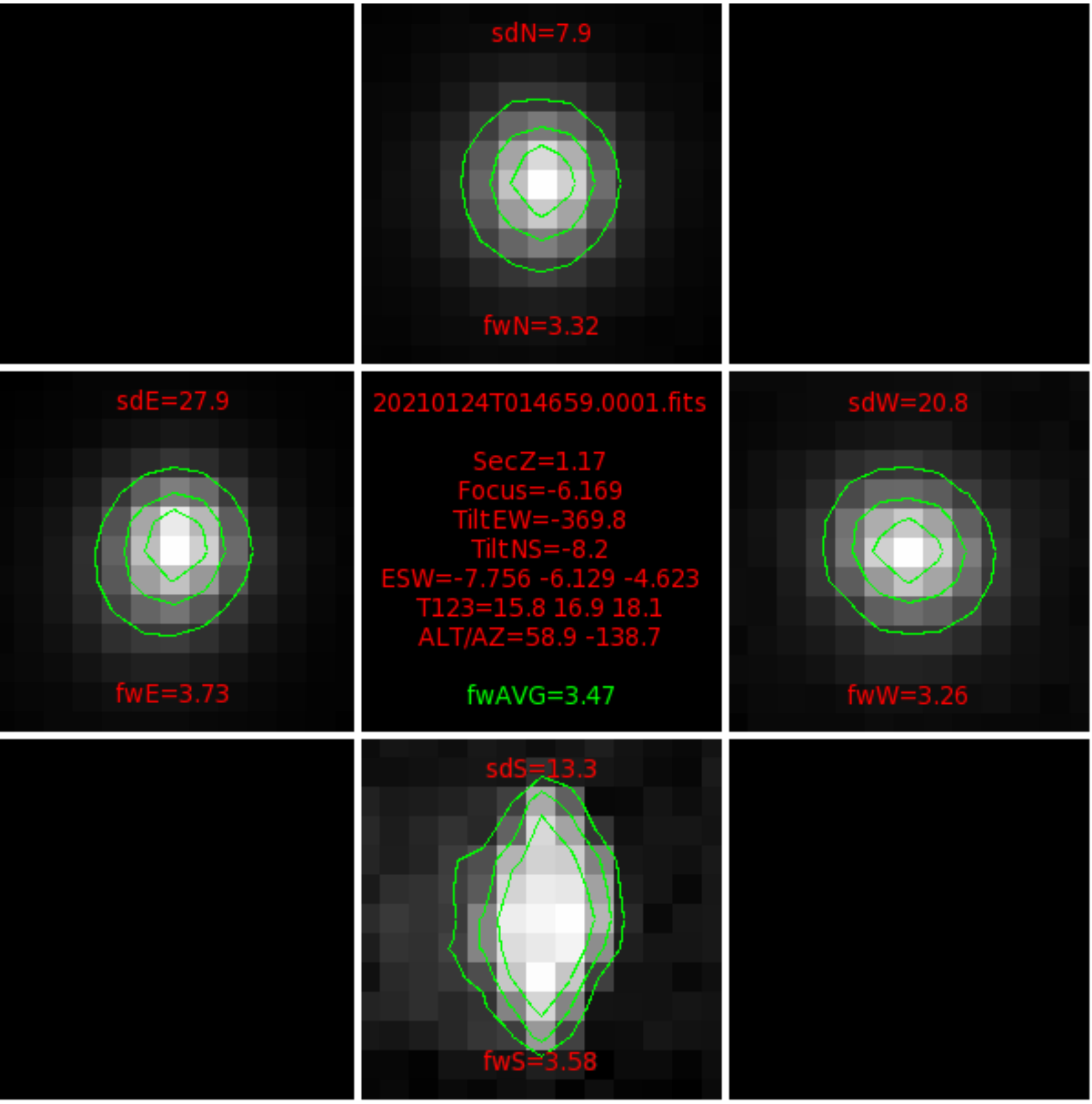
sdN=7.9
fwN=3.32
sdE=27.9
fwE=3.73
20210124T014659.0001.fits
SecZ=1.17
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=15.8 16.9 18.1
ALT/AZ=58.9 -138.7
fwAVG=3.47
sdW=20.8
fwW=3.26
sdS=13.3
fwS=3.58
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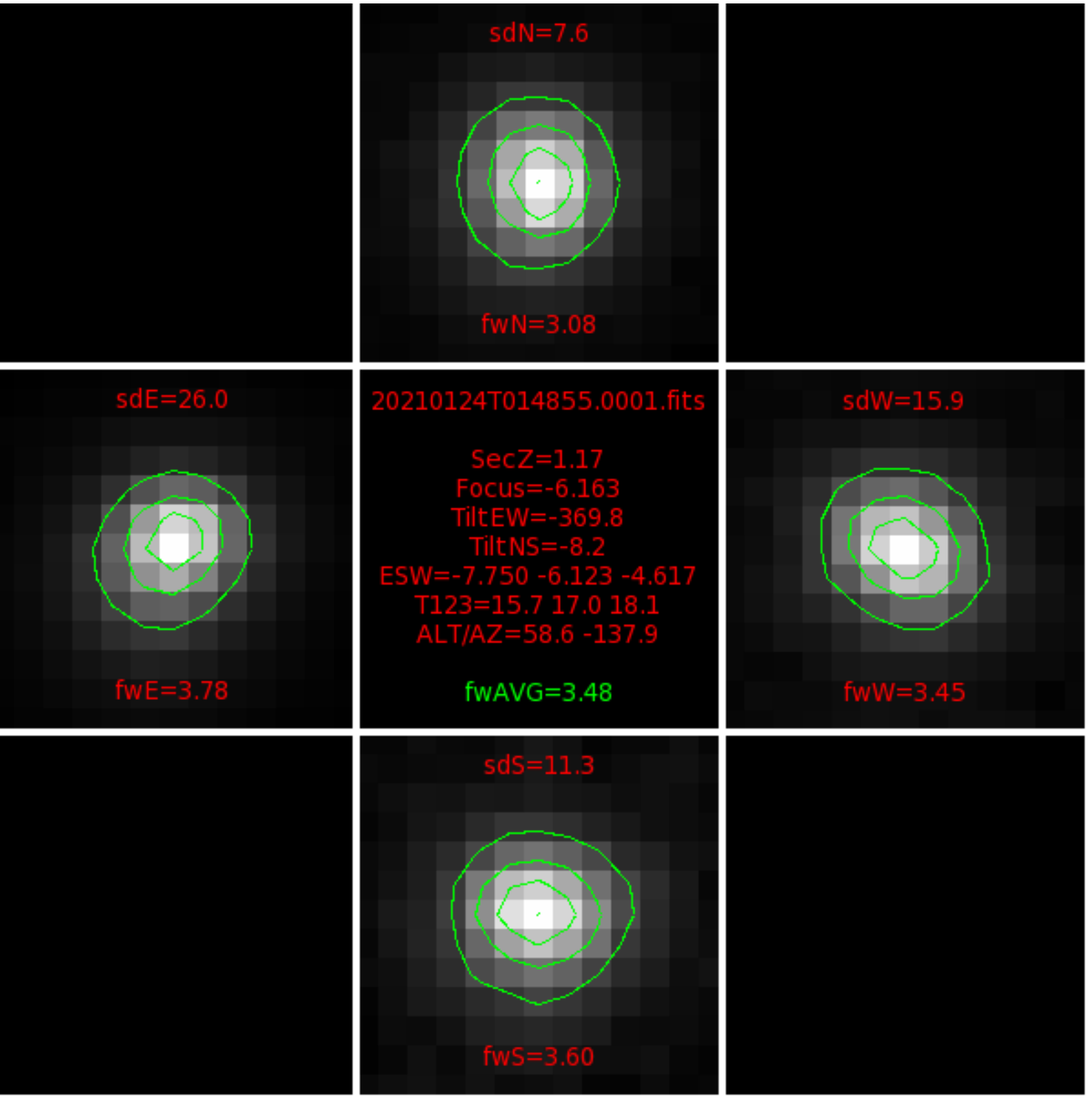
sdN=7.6
fwN=3.08
sdE=26.0
fwE=3.78
20210124T014855.0001.fits
SecZ=1.17
Focus=-6.163
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.750 -6.123 -4.617
T123=15.7 17.0 18.1
ALT/AZ=58.6 -137.9
fwAVG=3.48
sdW=15.9
fwW=3.45
sdS=11.3
fwS=3.60
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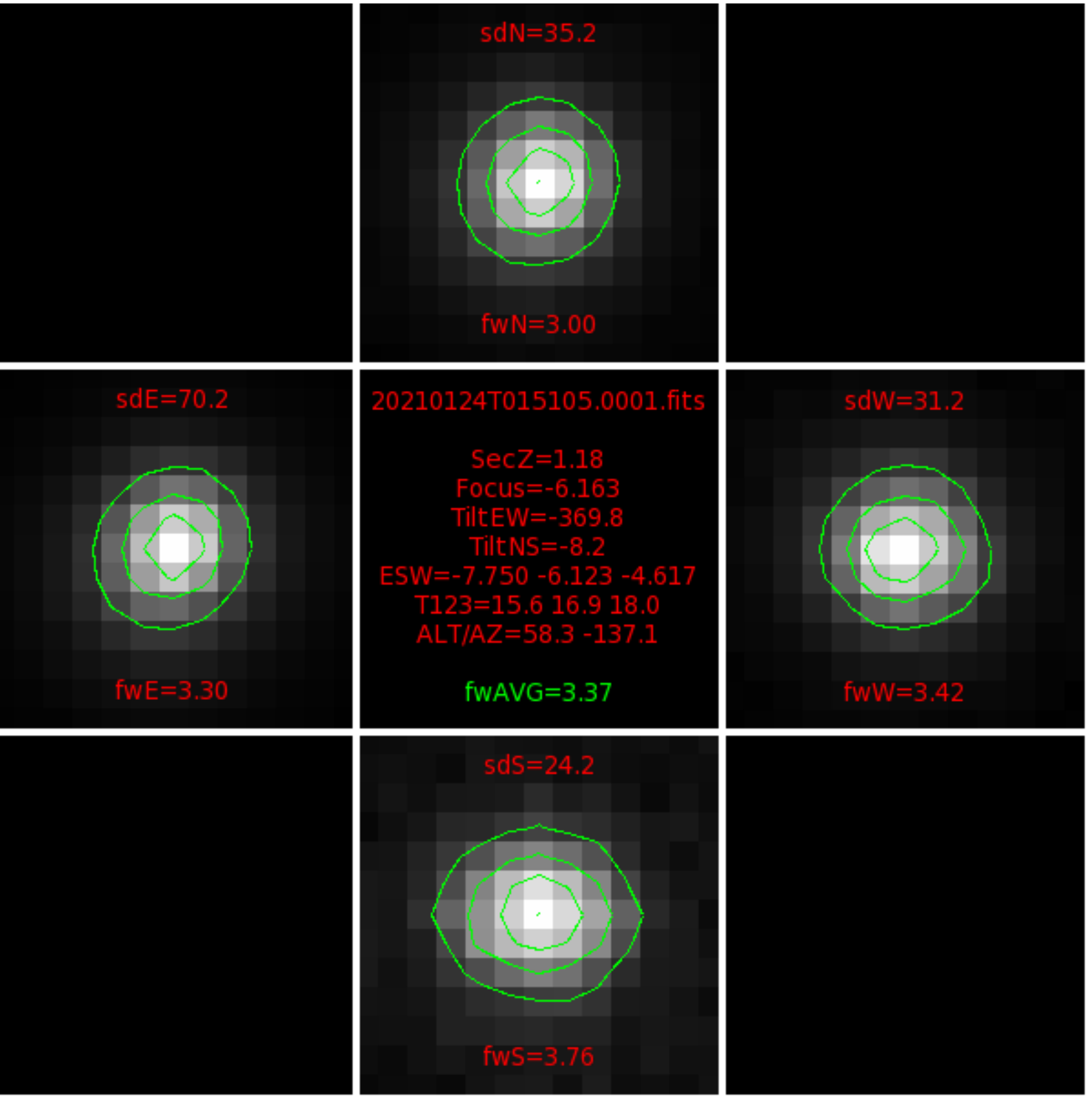
sdN=35.2
fwN=3.00
sdE=70.2
fwE=3.30
20210124T015105.0001.fits
SecZ=1.18
Focus=-6.163
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.750 -6.123 -4.617
T123=15.6 16.9 18.0
ALT/AZ=58.3 -137.1
fwAVG=3.37
sdW=31.2
fwW=3.42
sdS=24.2
fwS=3.76
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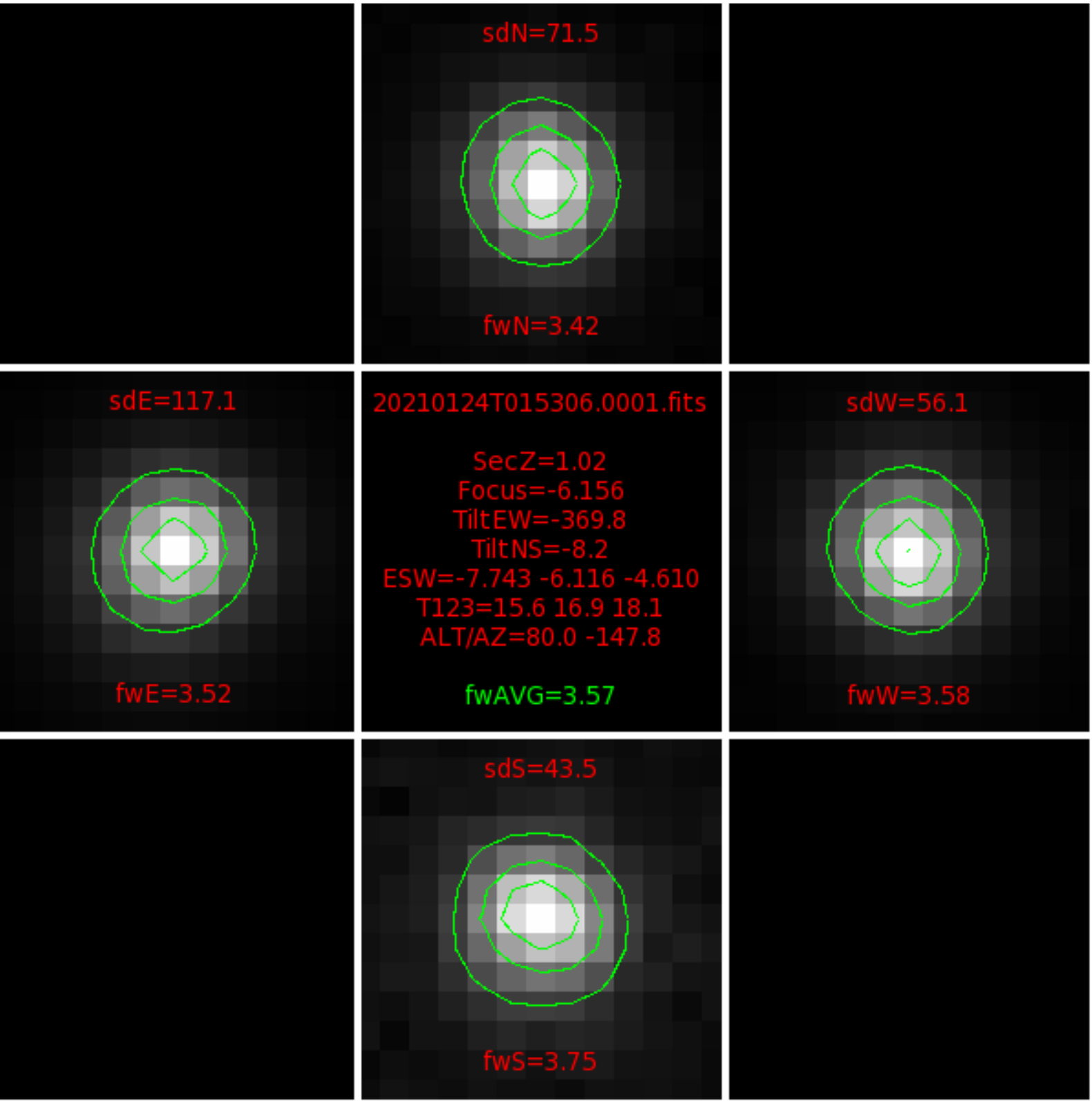
sdN=71.5
fwN=3.42
sdE=117.1
fwE=3.52
20210124T015306.0001.fits
SecZ=1.02
Focus=-6.156
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.743 -6.116 -4.610
T123=15.6 16.9 18.1
ALT/AZ=80.0 -147.8
fwAVG=3.57
sdW=56.1
fwW=3.58
sdS=43.5
fwS=3.75
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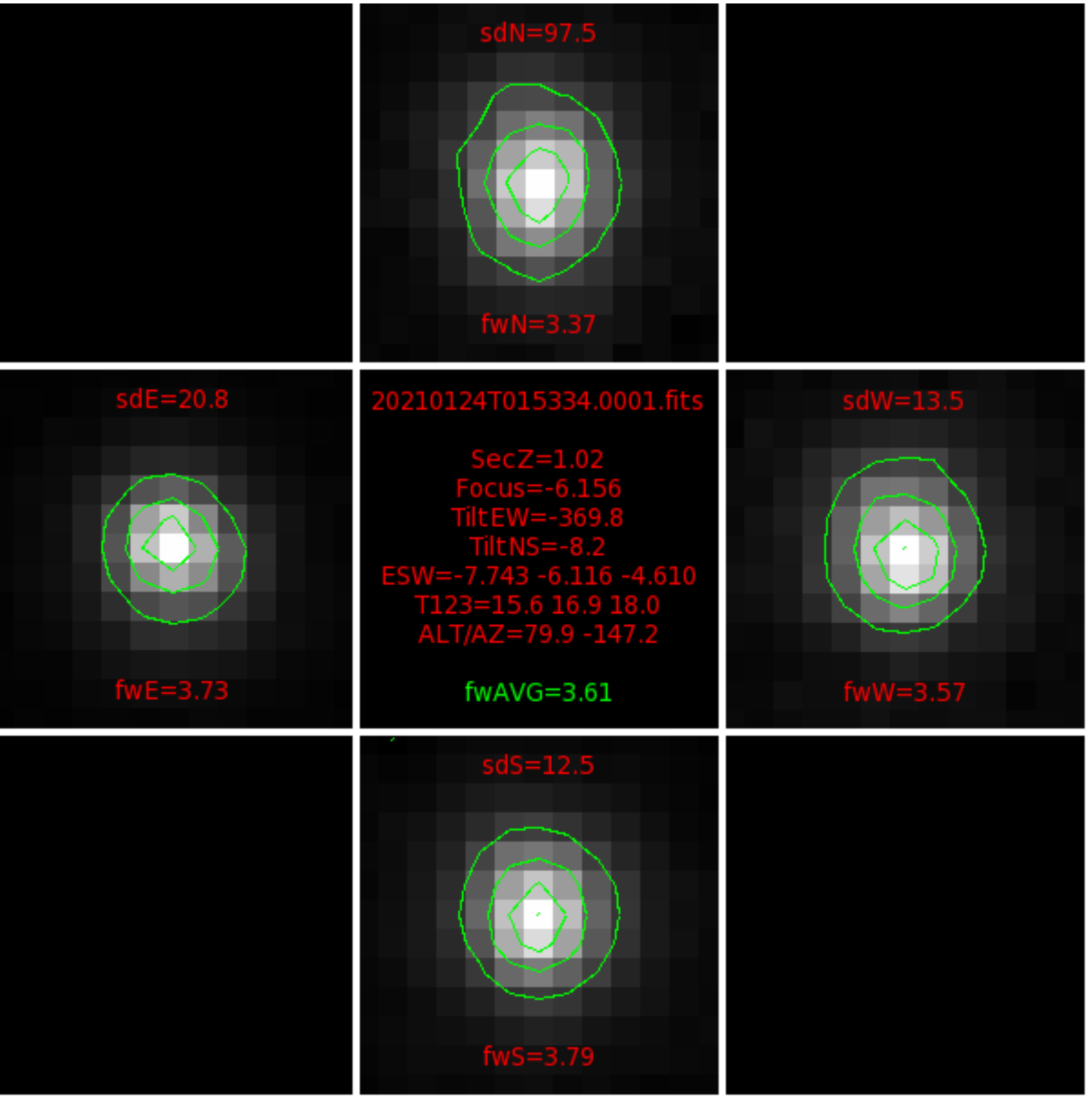
sdN=97.5
fwN=3.37
sdE=20.8
fwE=3.73
20210124T015334.0001.fits
SecZ=1.02
Focus=-6.156
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.743 -6.116 -4.610
T123=15.6 16.9 18.0
ALT/AZ=79.9 -147.2
fwAVG=3.61
sdW=13.5
fwW=3.57
sdS=12.5
fwS=3.79
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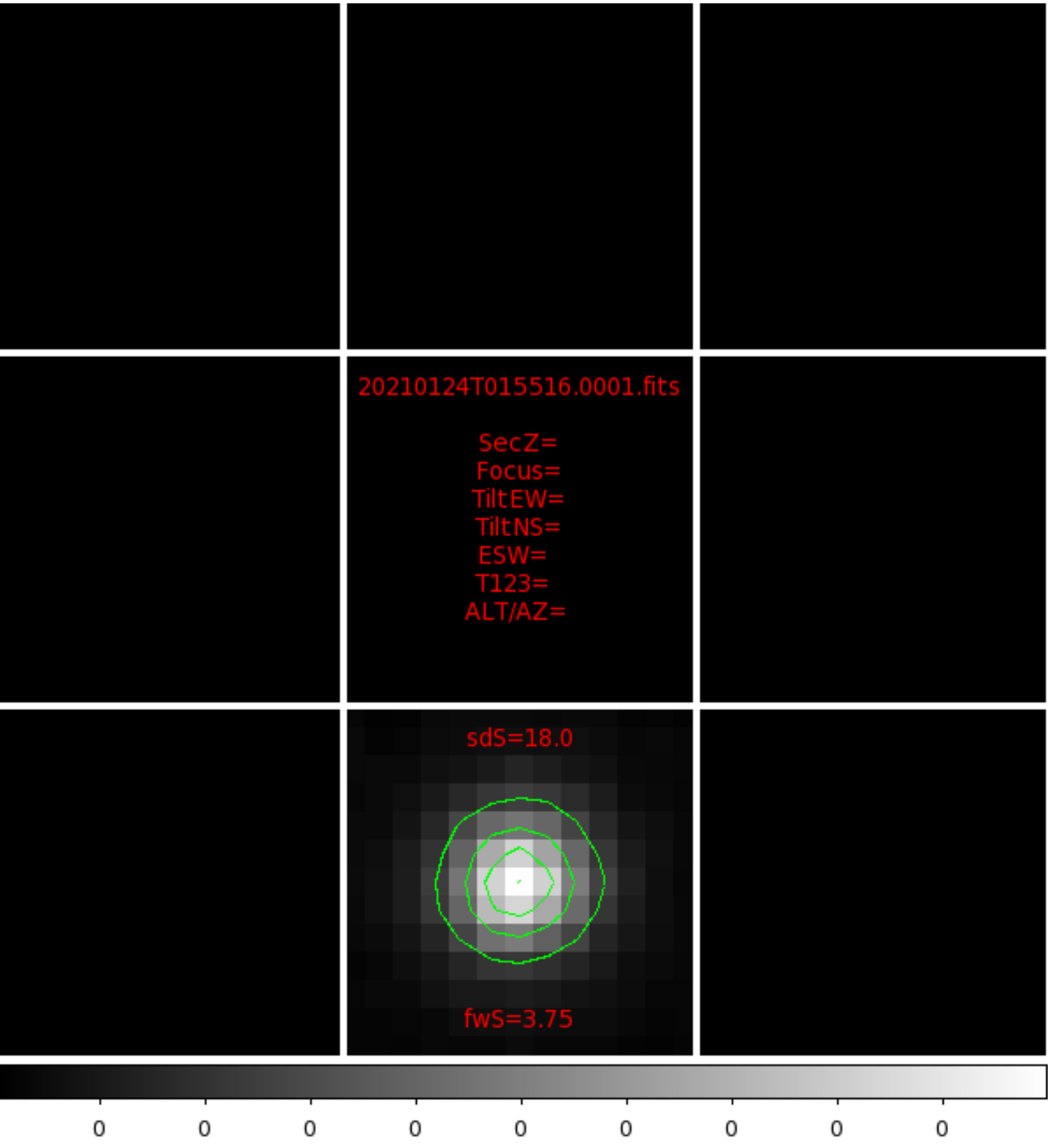
20210124T015516.0001.fits
SecZ=
Focus=
TiltEW=
TiltNS=
ESW=
T123=
ALT/AZ=
sdS=18.0
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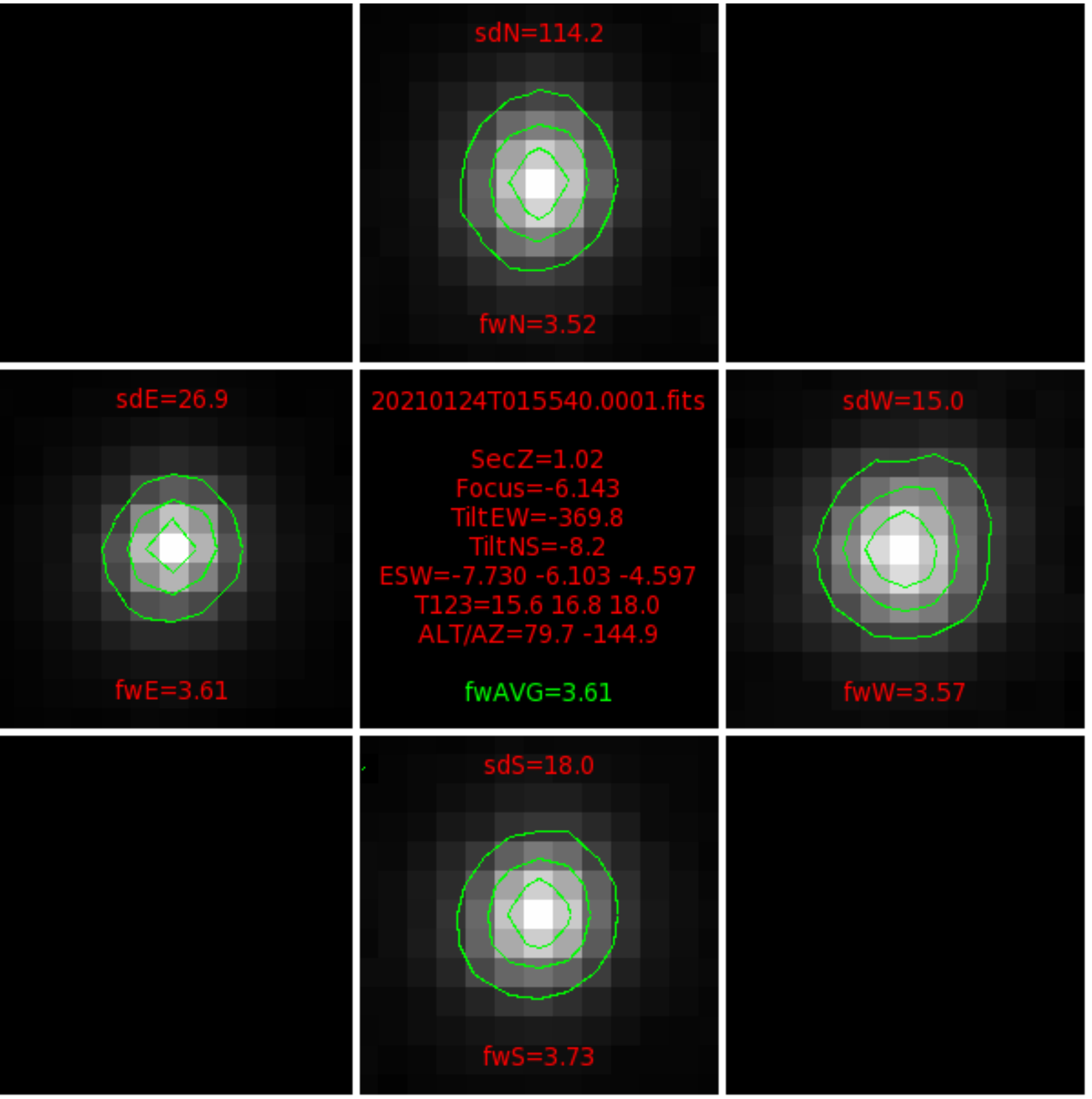
sdN=114.2
fwN=3.52
sdE=26.9
fwE=3.61
20210124T015540.0001.fits
SecZ=1.02
Focus=-6.143
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.6 16.8 18.0
ALT/AZ=79.7 -144.9
fwAVG=3.61
sdW=15.0
fwW=3.57
sdS=18.0
fwS=3.73
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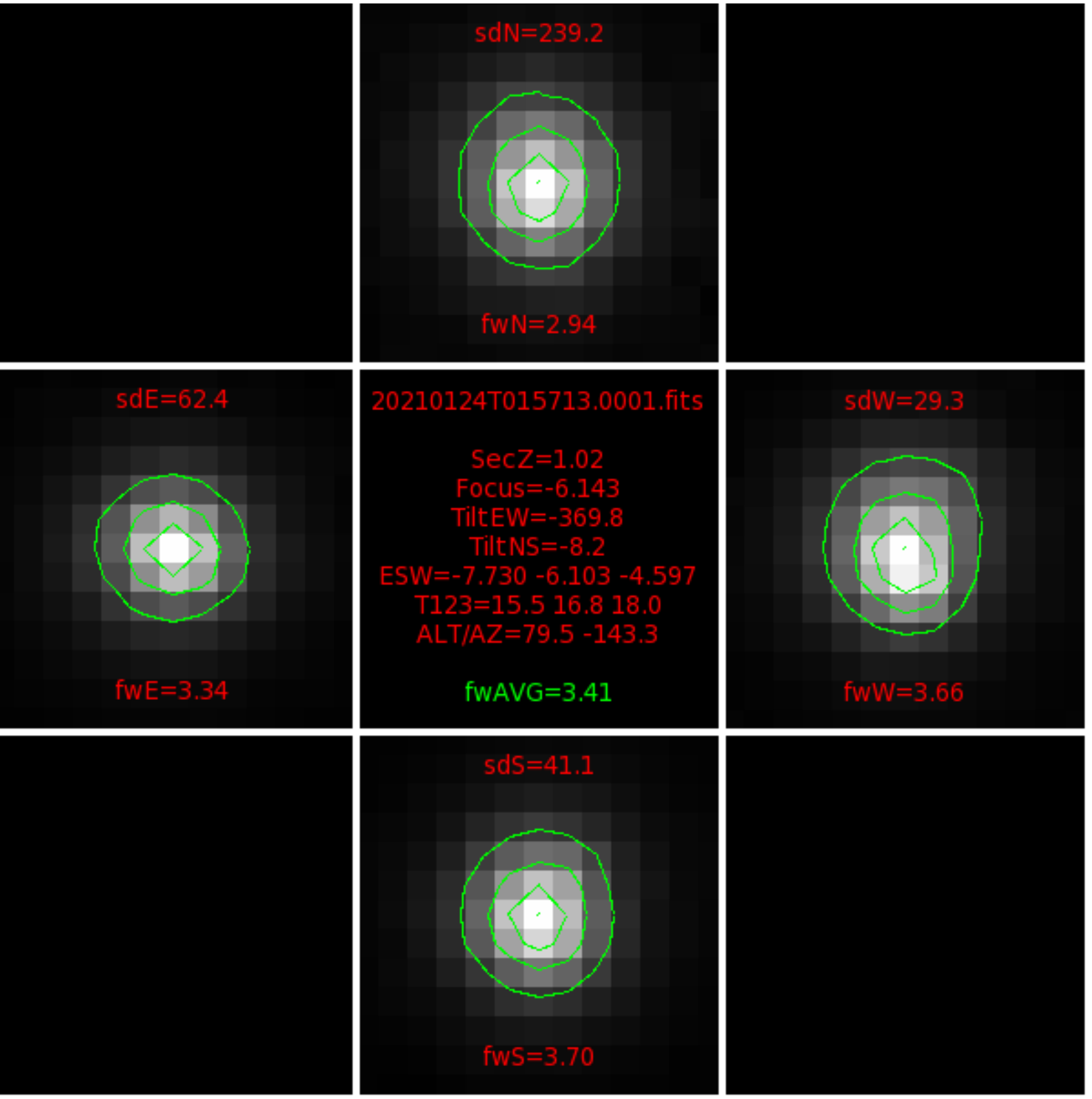
sdN=239.2
fwN=2.94
sdE=62.4
fwE=3.34
20210124T015713.0001.fits
SecZ=1.02
Focus=-6.143
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.5 16.8 18.0
ALT/AZ=79.5 -143.3
fwAVG=3.41
sdW=29.3
fwW=3.66
sdS=41.1
fwS=3.70
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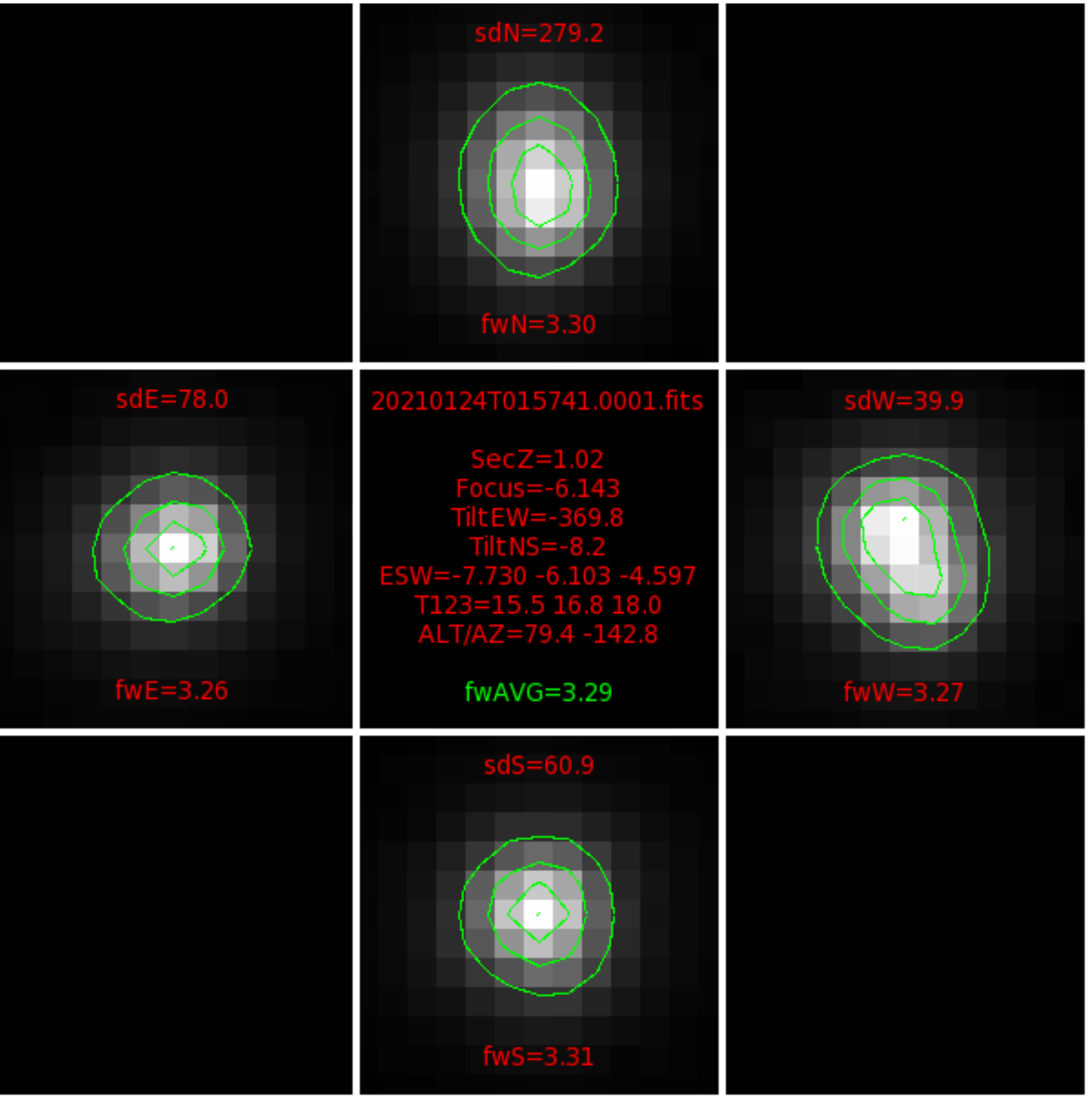
sdN=279.2
fwN=3.30
sdE=78.0
fwE=3.26
20210124T015741.0001.fits
SecZ=1.02
Focus=-6.143
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.5 16.8 18.0
ALT/AZ=79.4 -142.8
fwAVG=3.29
sdW=39.9
fwW=3.27
sdS=60.9
fwS=3.31
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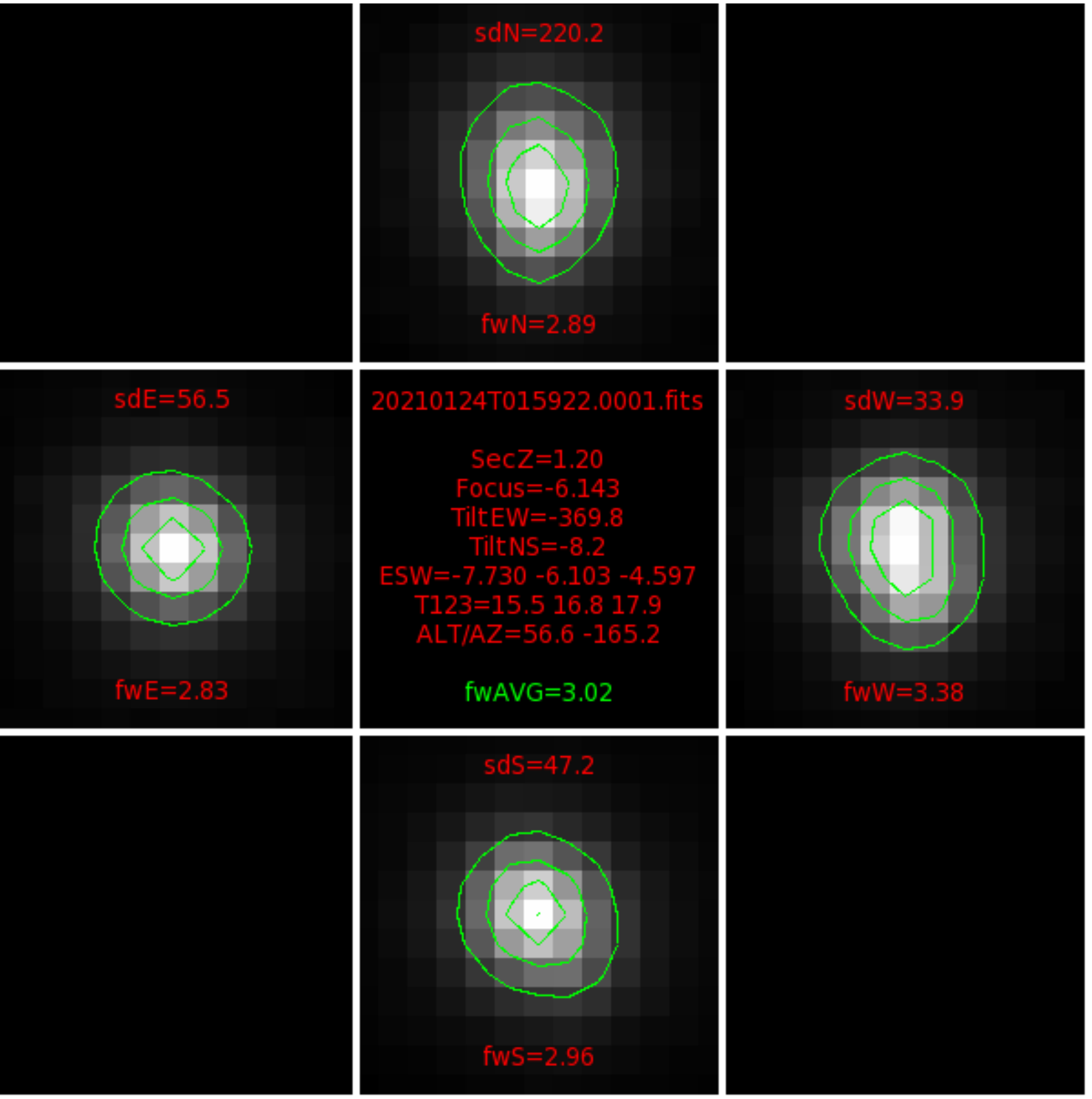
sdN=220.2
fwN=2.89
sdE=56.5
fwE=2.83
20210124T015922.0001.fits
SecZ=1.20
Focus=-6.143
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.5 16.8 17.9
ALT/AZ=56.6 -165.2
fwAVG=3.02
sdW=33.9
fwW=3.38
sdS=47.2
fwS=2.96
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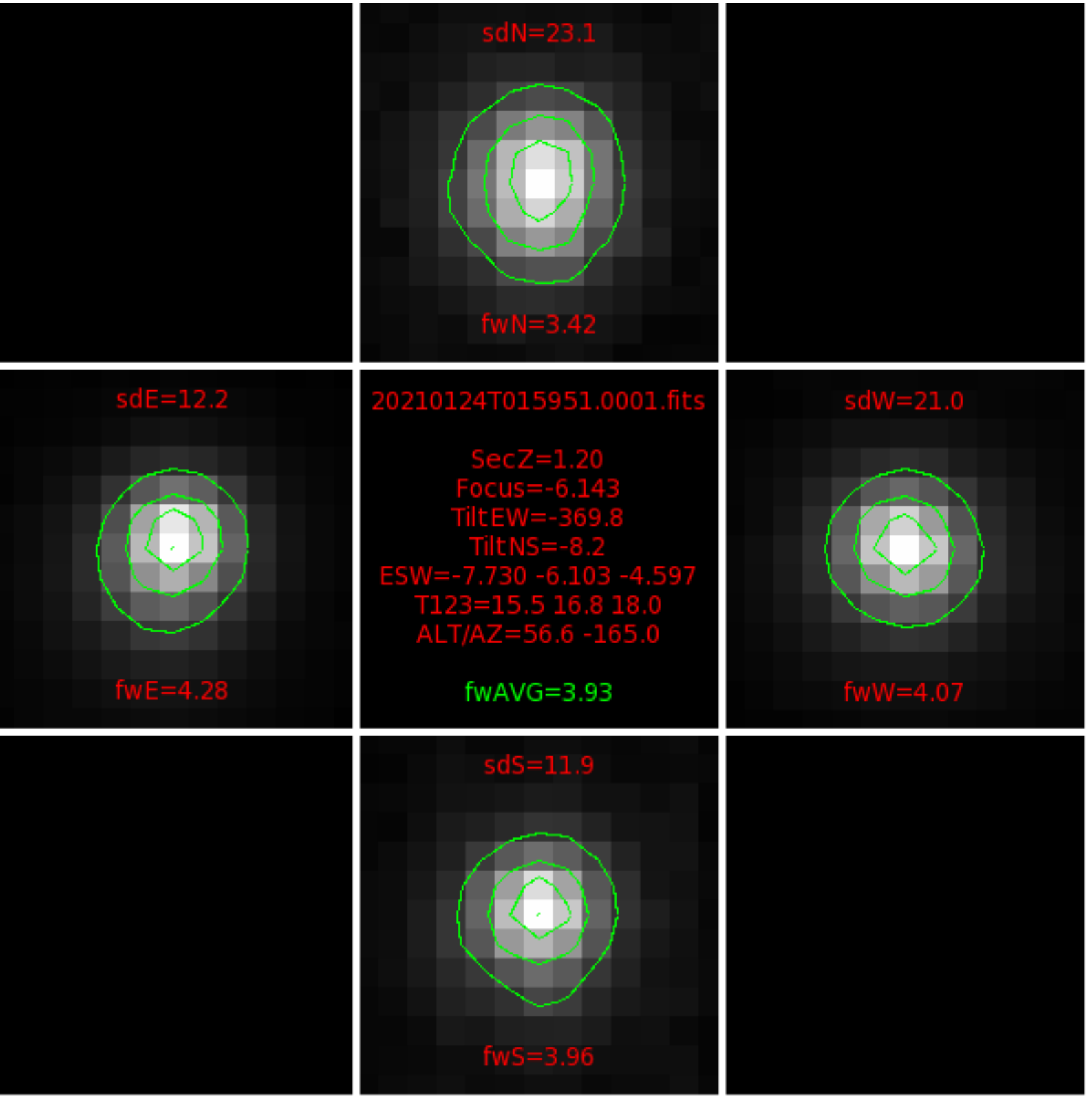
sdN=23.1
fwN=3.42
sdE=12.2
fwE=4.28
20210124T015951.0001.fits
SecZ=1.20
Focus=-6.143
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.5 16.8 18.0
ALT/AZ=56.6 -165.0
fwAVG=3.93
sdW=21.0
fwW=4.07
sdS=11.9
fwS=3.96
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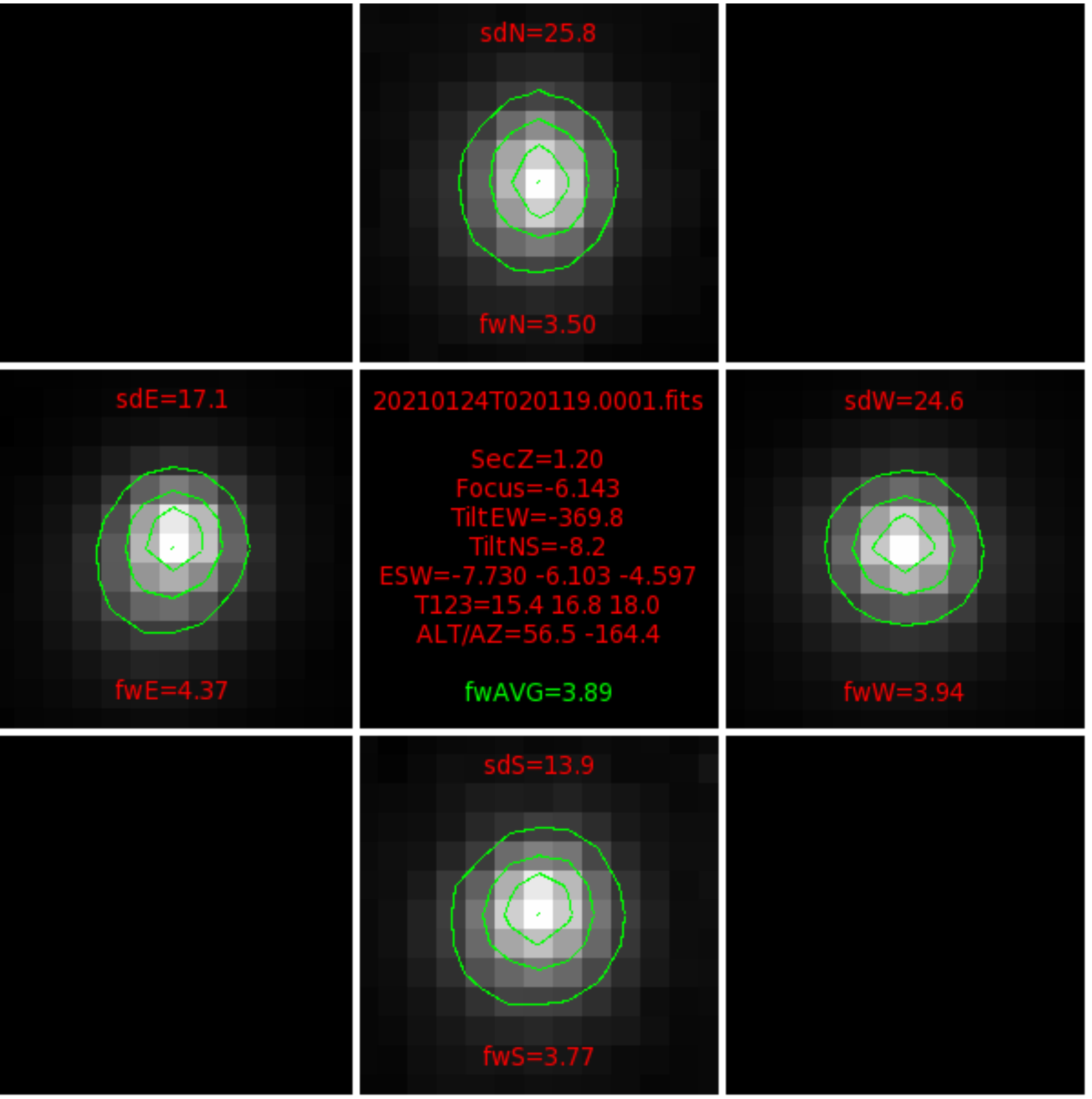
sdN=25.8
fwN=3.50
sdE=17.1
fwE=4.37
20210124T020119.0001.fits
SecZ=1.20
Focus=-6.143
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.4 16.8 18.0
ALT/AZ=56.5 -164.4
fwAVG=3.89
sdW=24.6
fwW=3.94
sdS=13.9
fwS=3.77
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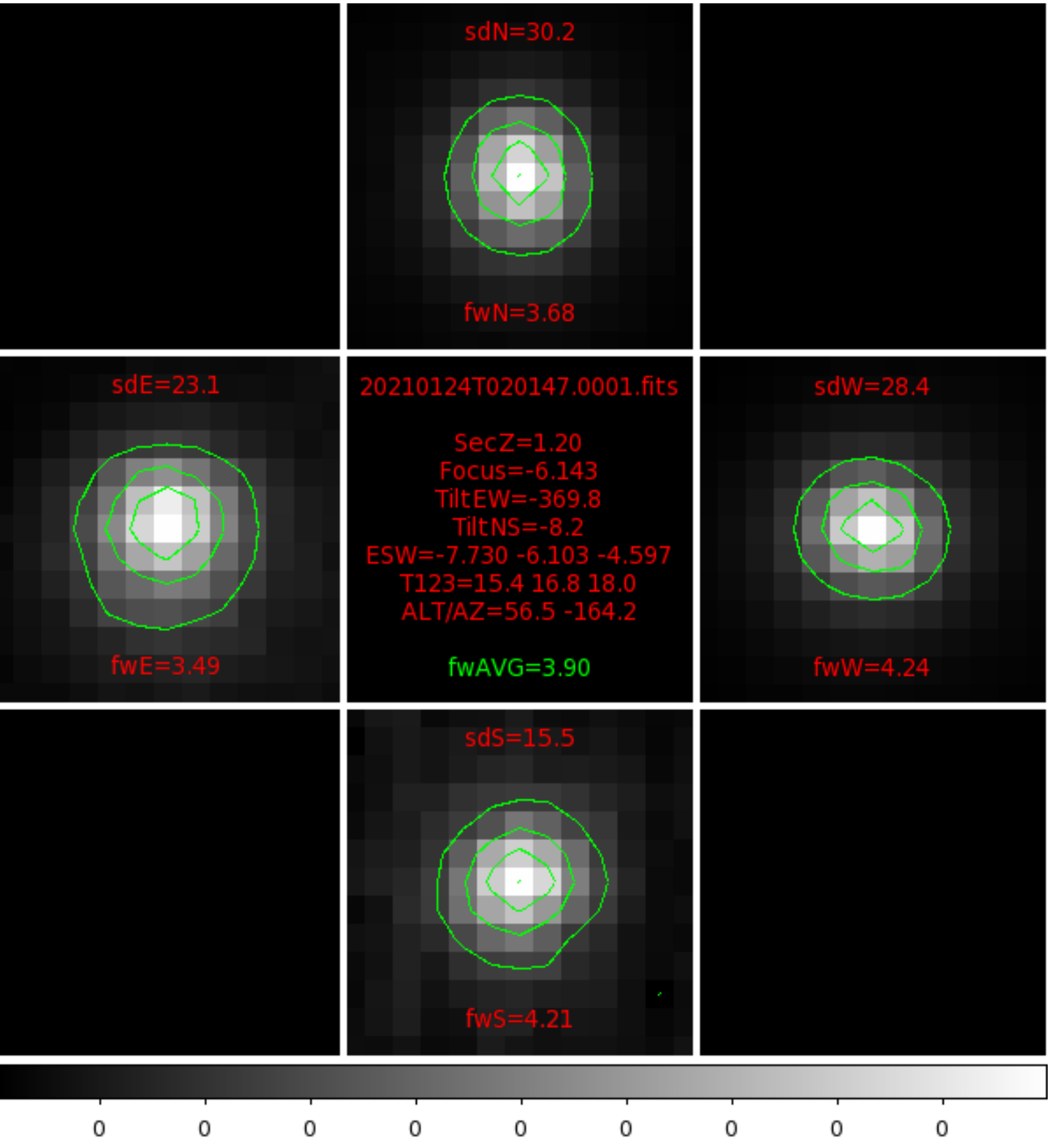
sdN=30.2
fwN=3.68
sdE=23.1
fwE=3.49
20210124T020147.0001.fits
SecZ=1.20
Focus=-6.143
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.4 16.8 18.0
ALT/AZ=56.5 -164.2
fwAVG=3.90
sdW=28.4
fwW=4.24
sdS=15.5
fwS=4.21
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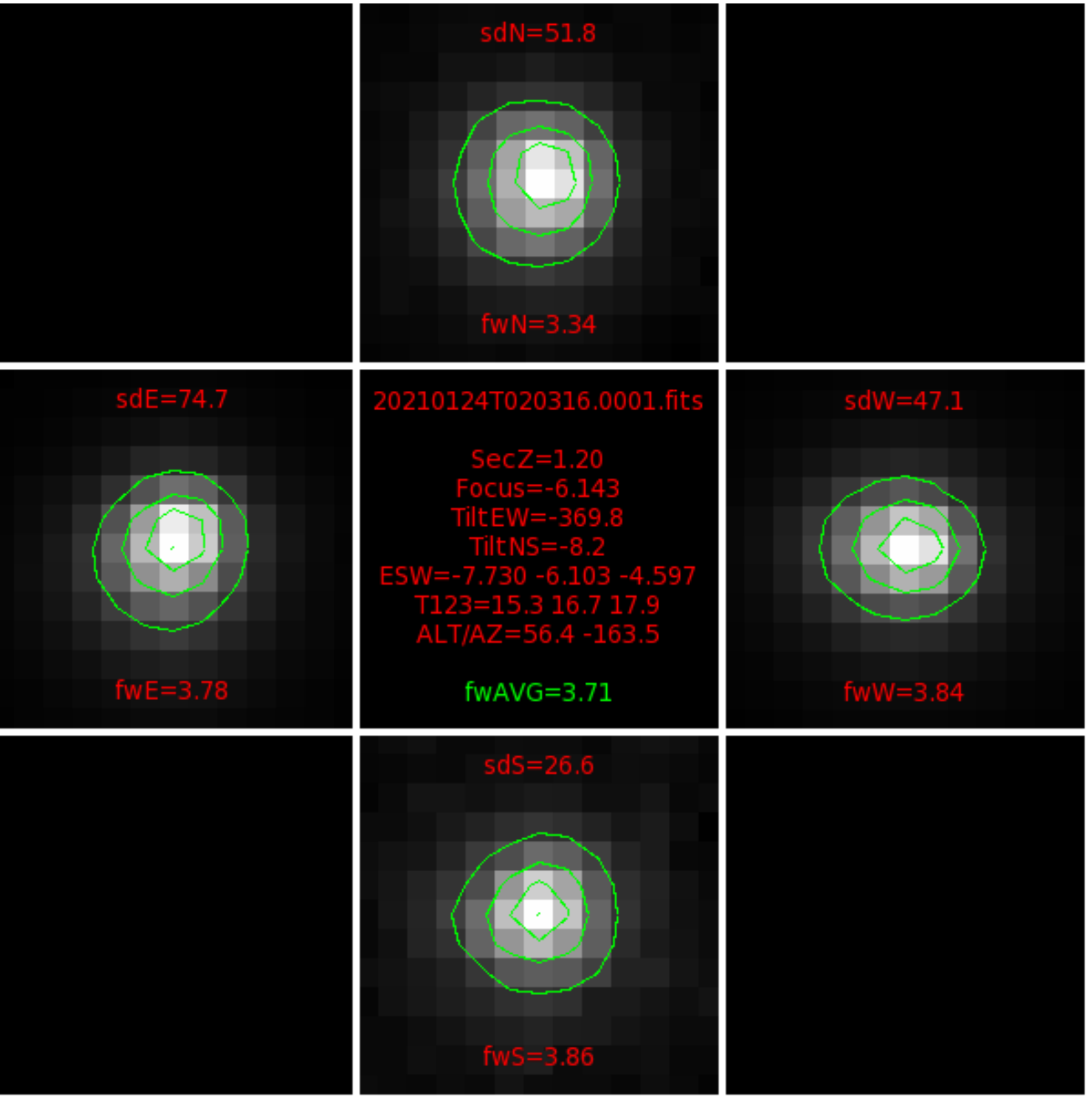
sdN=51.8
fwN=3.34
sdE=74.7
fwE=3.78
20210124T020316.0001.fits
SecZ=1.20
Focus=-6.143
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.3 16.7 17.9
ALT/AZ=56.4 -163.5
fwAVG=3.71
sdW=47.1
fwW=3.84
sdS=26.6
fwS=3.86
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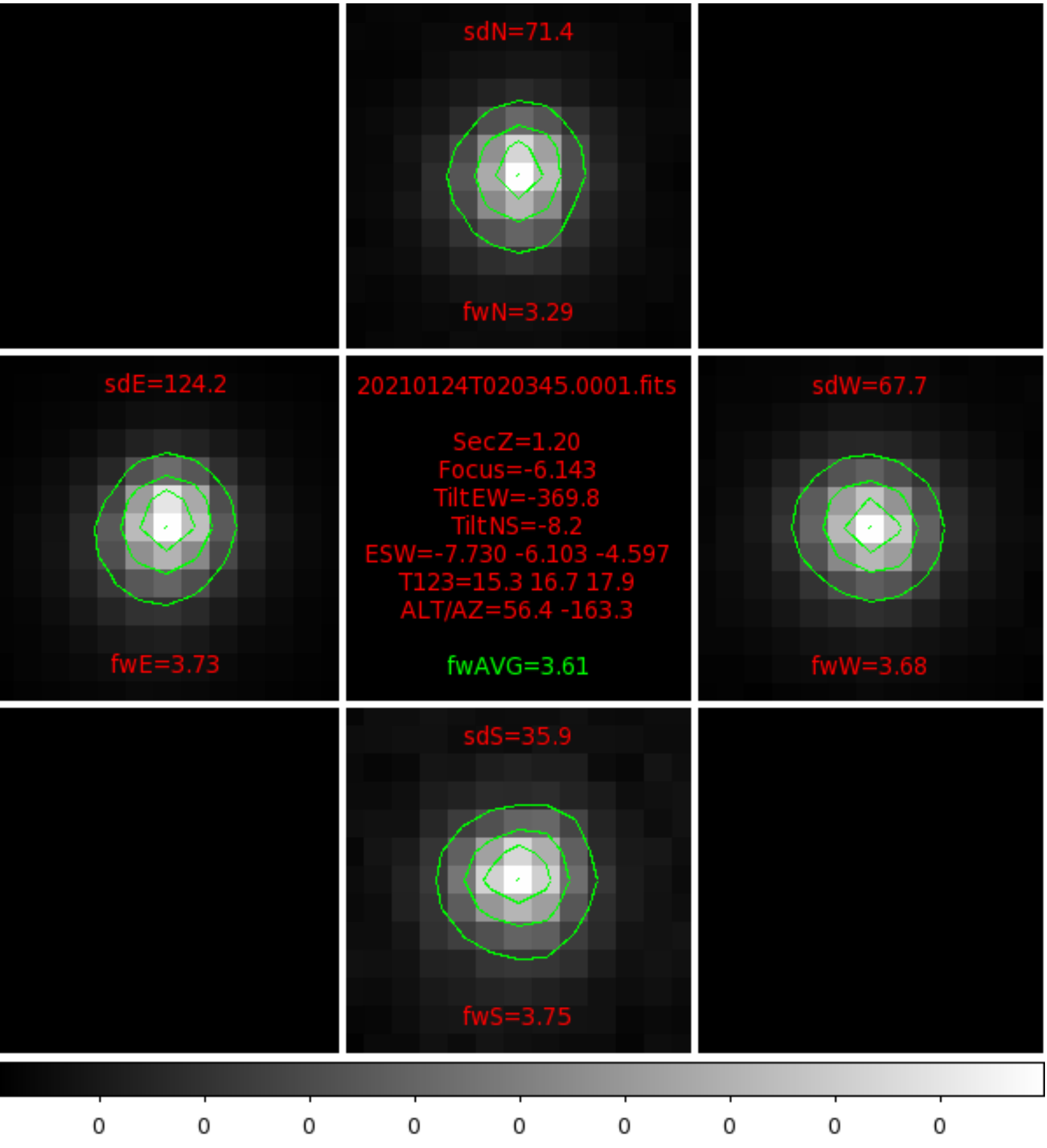
sdN=71.4
fwN=3.29
sdE=124.2
fwE=3.73
20210124T020345.0001.fits
SecZ=1.20
Focus=-6.143
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.3 16.7 17.9
ALT/AZ=56.4 -163.3
fwAVG=3.61
sdW=67.7
fwW=3.68
sdS=35.9
fwS=3.75
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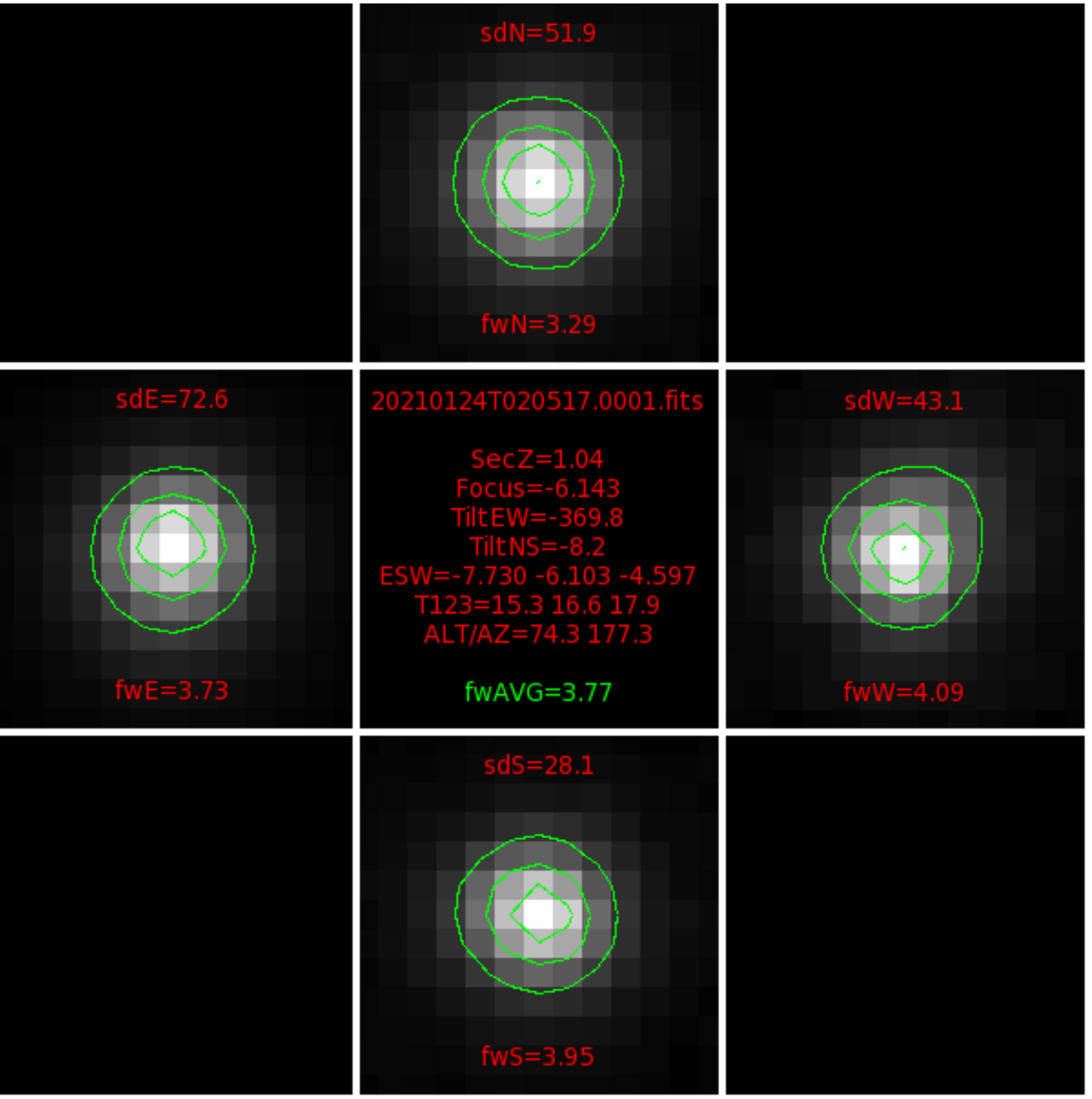
sdN=51.9
fwN=3.29
sdE=72.6
fwE=3.73
20210124T020517.0001.fits
SecZ=1.04
Focus=-6.143
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.3 16.6 17.9
ALT/AZ=74.3 177.3
fwAVG=3.77
sdW=43.1
fwW=4.09
sdS=28.1
fwS=3.95
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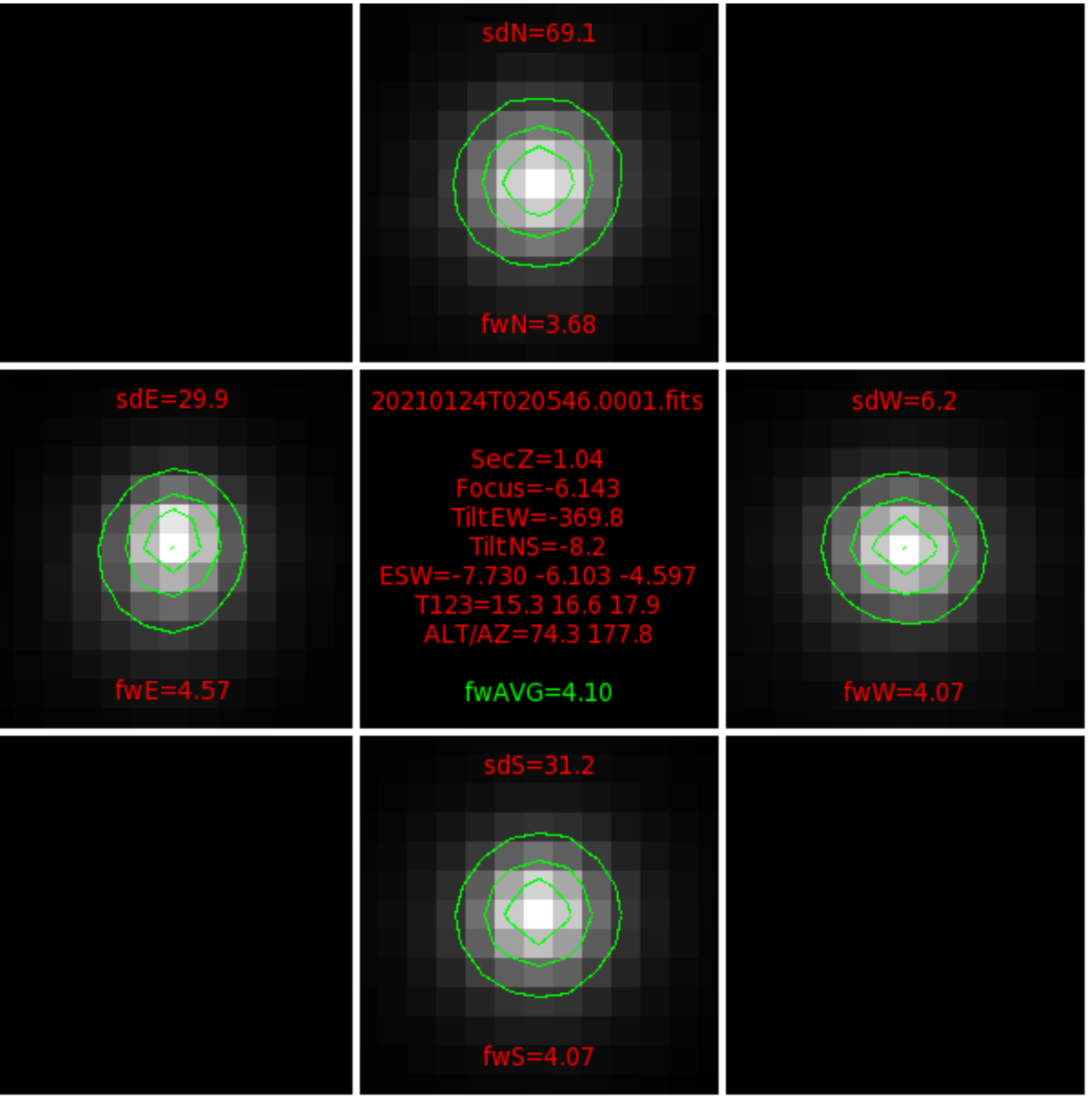
sdN=69.1
fwN=3.68
sdE=29.9
fwE=4.57
20210124T020546.0001.fits
SecZ=1.04
Focus=-6.143
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.3 16.6 17.9
ALT/AZ=74.3 177.8
fwAVG=4.10
sdW=6.2
fwW=4.07
sdS=31.2
fwS=4.07
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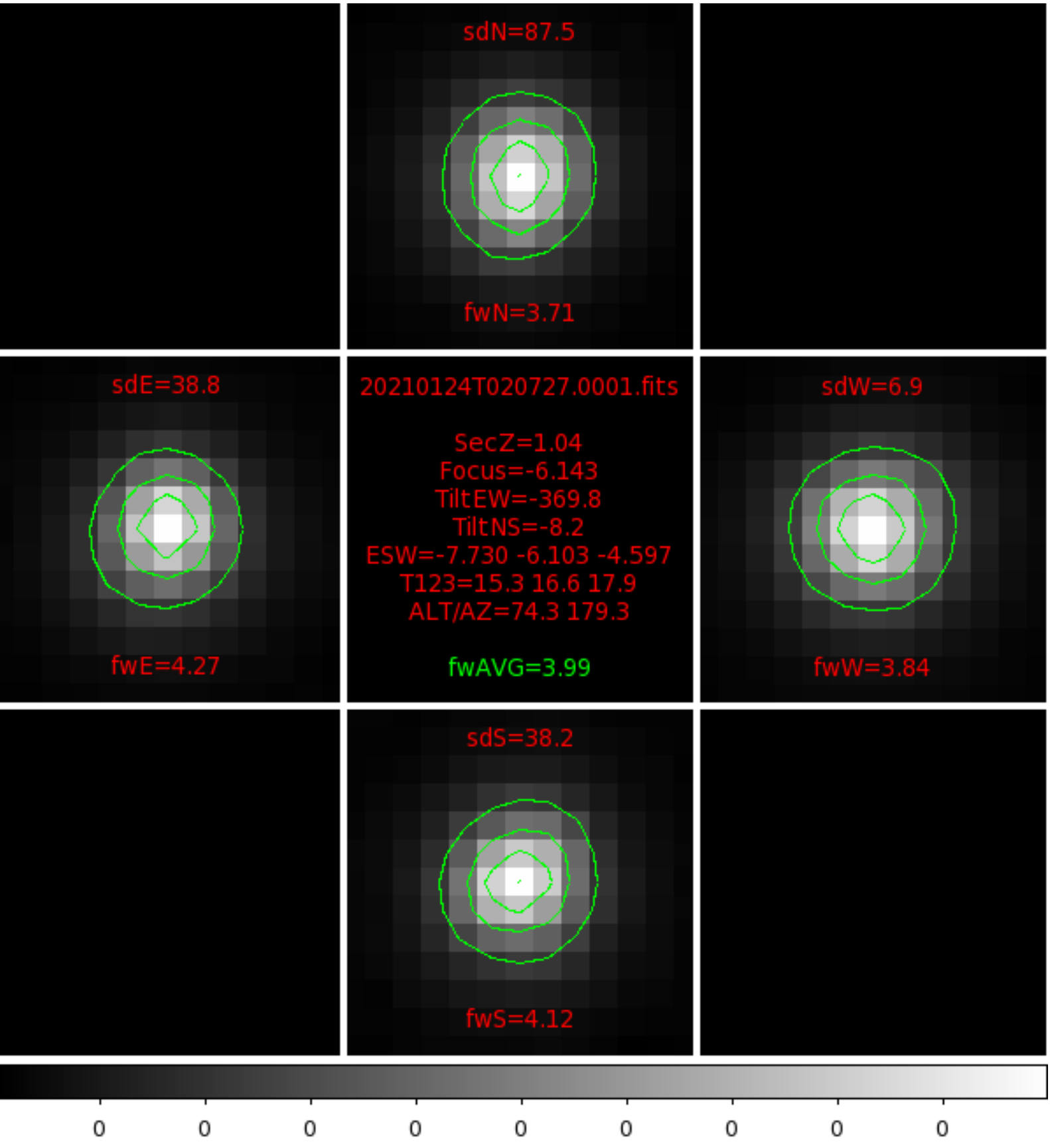
sdN=87.5
fwN=3.71
sdE=38.8
fwE=4.27
20210124T020727.0001.fits
SecZ=1.04
Focus=-6.143
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.3 16.6 17.9
ALT/AZ=74.3 179.3
fwAVG=3.99
sdW=6.9
fwW=3.84
sdS=38.2
fwS=4.12
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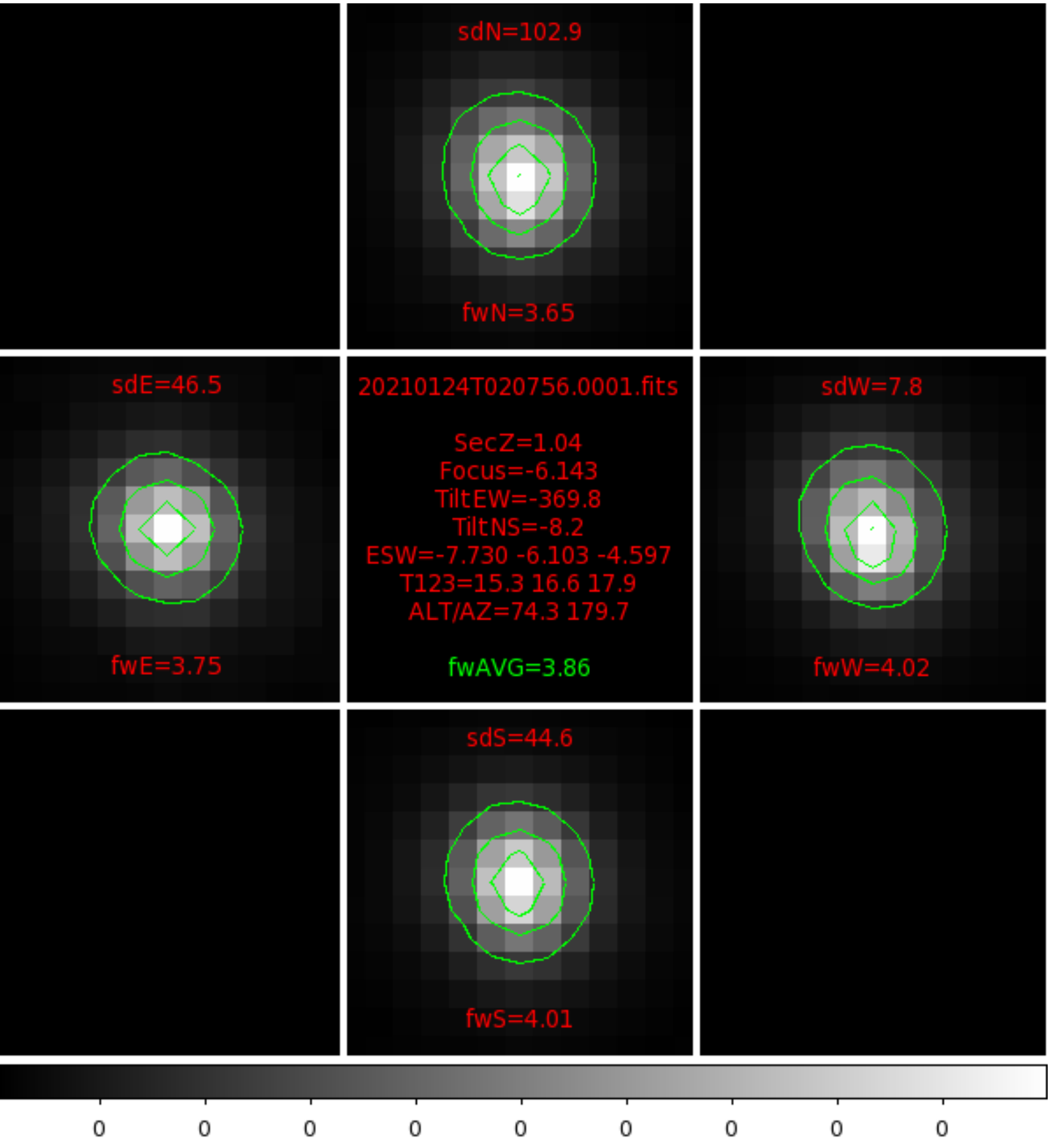
sdN=102.9
fwN=3.65
sdE=46.5
fwE=3.75
20210124T020756.0001.fits
SecZ=1.04
Focus=-6.143
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.3 16.6 17.9
ALT/AZ=74.3 179.7
fwAVG=3.86
sdW=7.8
fwW=4.02
sdS=44.6
fwS=4.01
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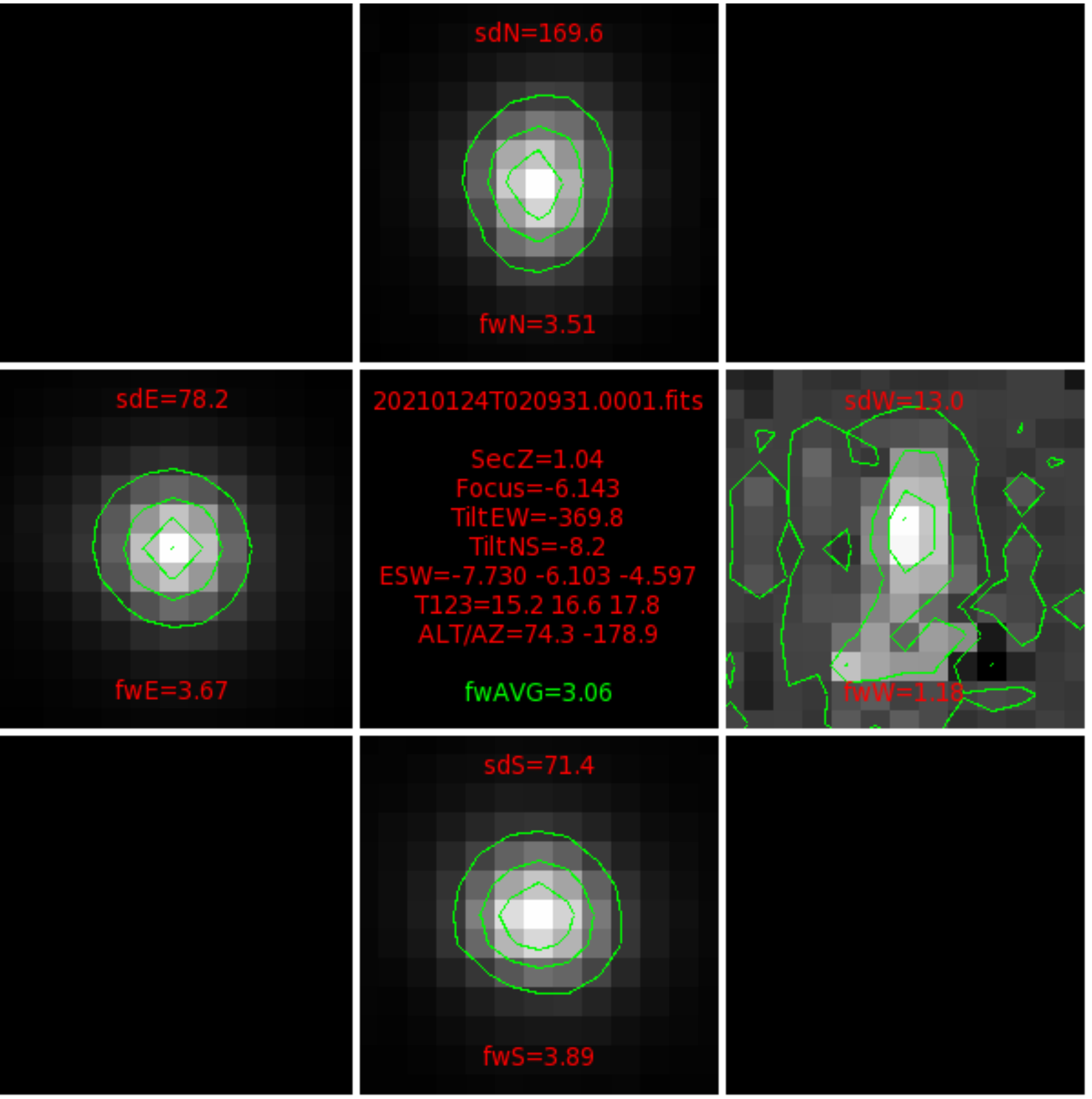
sdN=169.6
fwN=3.51
sdE=78.2
fwE=3.67
20210124T020931.0001.fits
SecZ=1.04
Focus=-6.143
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.2 16.6 17.8
ALT/AZ=74.3 -178.9
fwAVG=3.06
sdW=13.0
fwW=1.18
sdS=71.4
fwS=3.89
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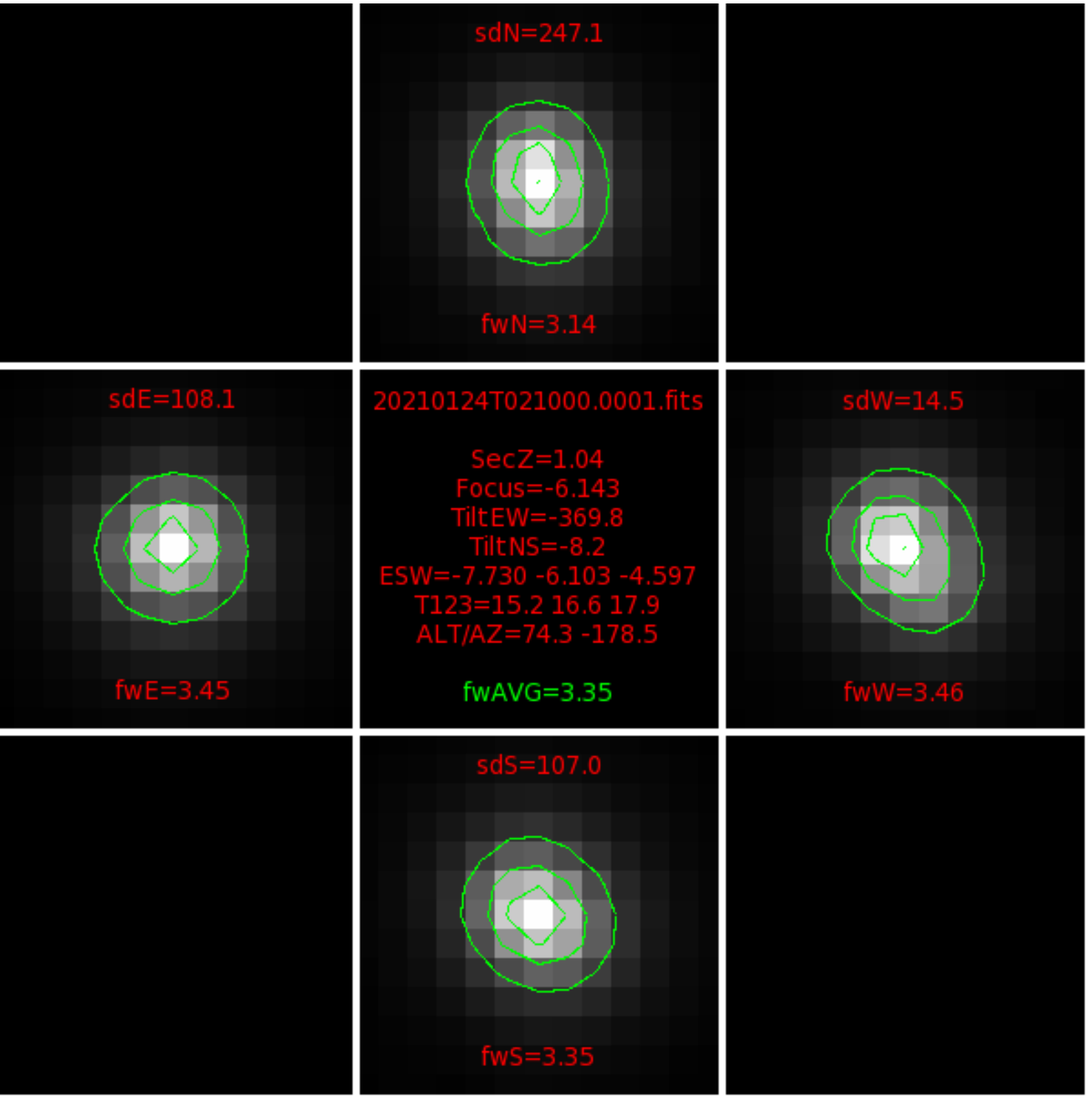
sdN=247.1
fwN=3.14
sdE=108.1
fwE=3.45
20210124T021000.0001.fits
SecZ=1.04
Focus=-6.143
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.2 16.6 17.9
ALT/AZ=74.3 -178.5
fwAVG=3.35
sdW=14.5
fwW=3.46
sdS=107.0
fwS=3.35
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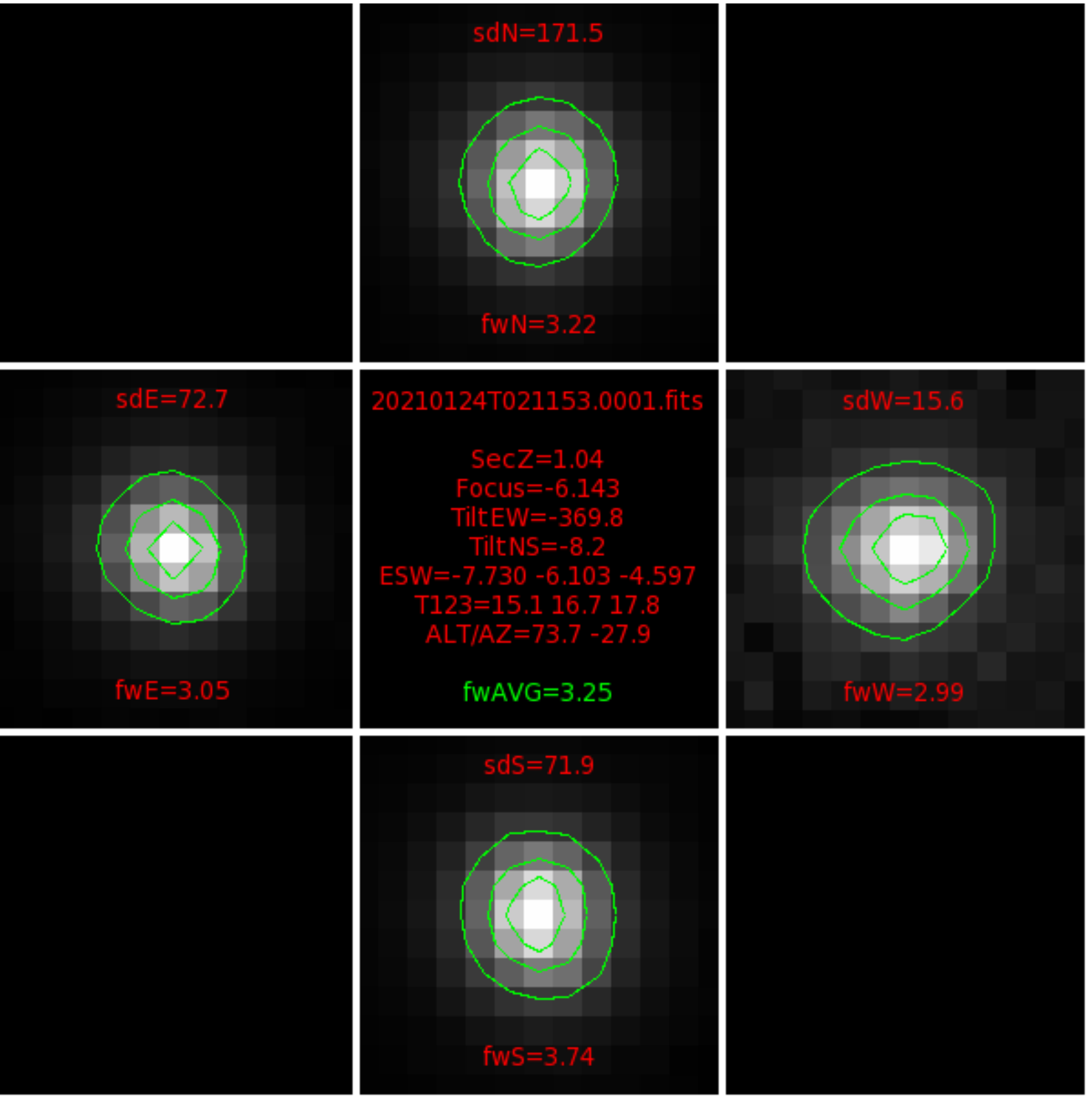
sdN=171.5
fwN=3.22
sdE=72.7
fwE=3.05
20210124T021153.0001.fits
SecZ=1.04
Focus=-6.143
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.1 16.7 17.8
ALT/AZ=73.7 -27.9
fwAVG=3.25
sdW=15.6
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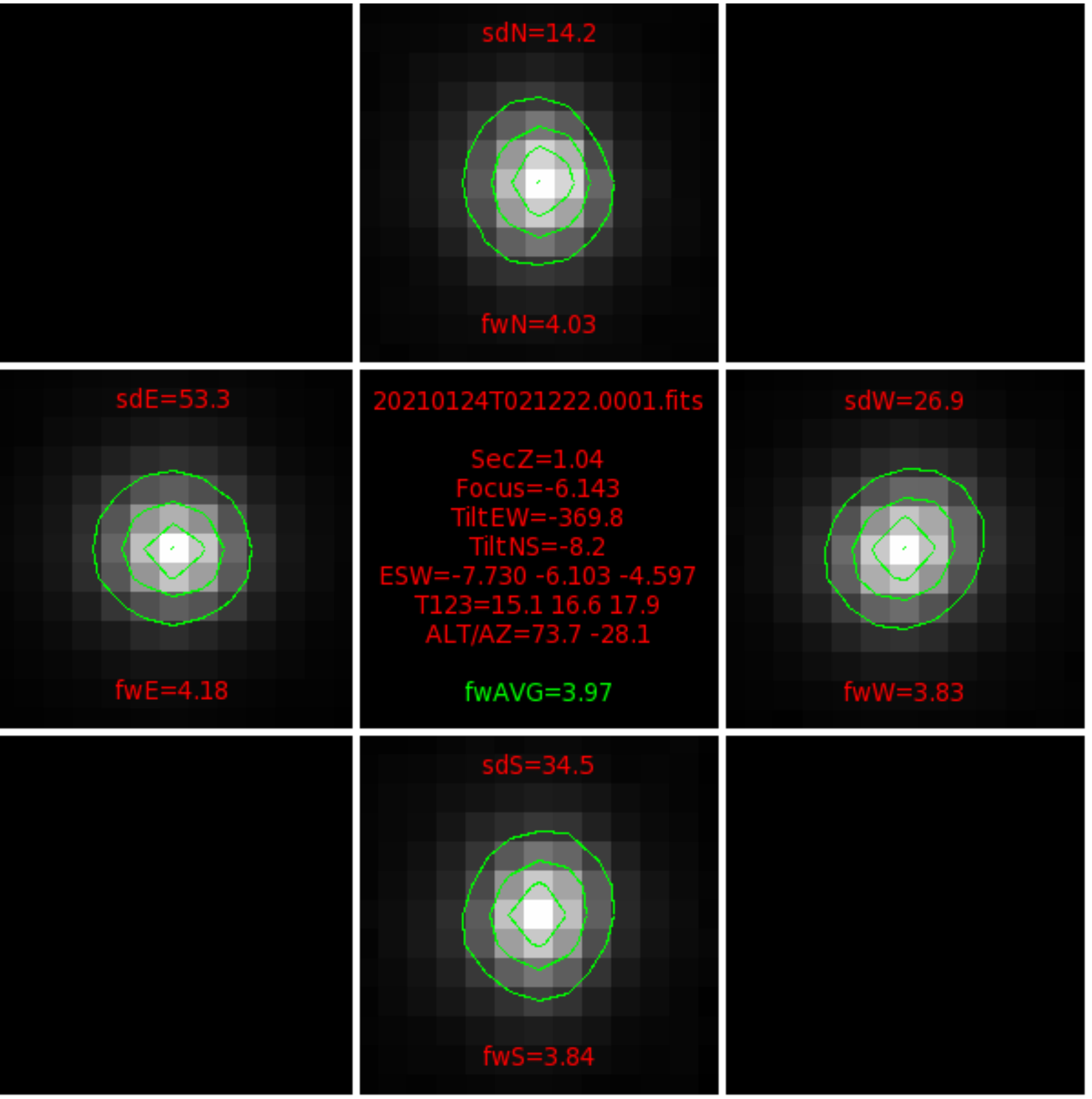
sdN=14.2
fwN=4.03
sdE=53.3
fwE=4.18
20210124T021222.0001.fits
SecZ=1.04
Focus=-6.143
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.1 16.6 17.9
ALT/AZ=73.7 -28.1
fwAVG=3.97
sdW=26.9
fwW=3.83
sdS=34.5
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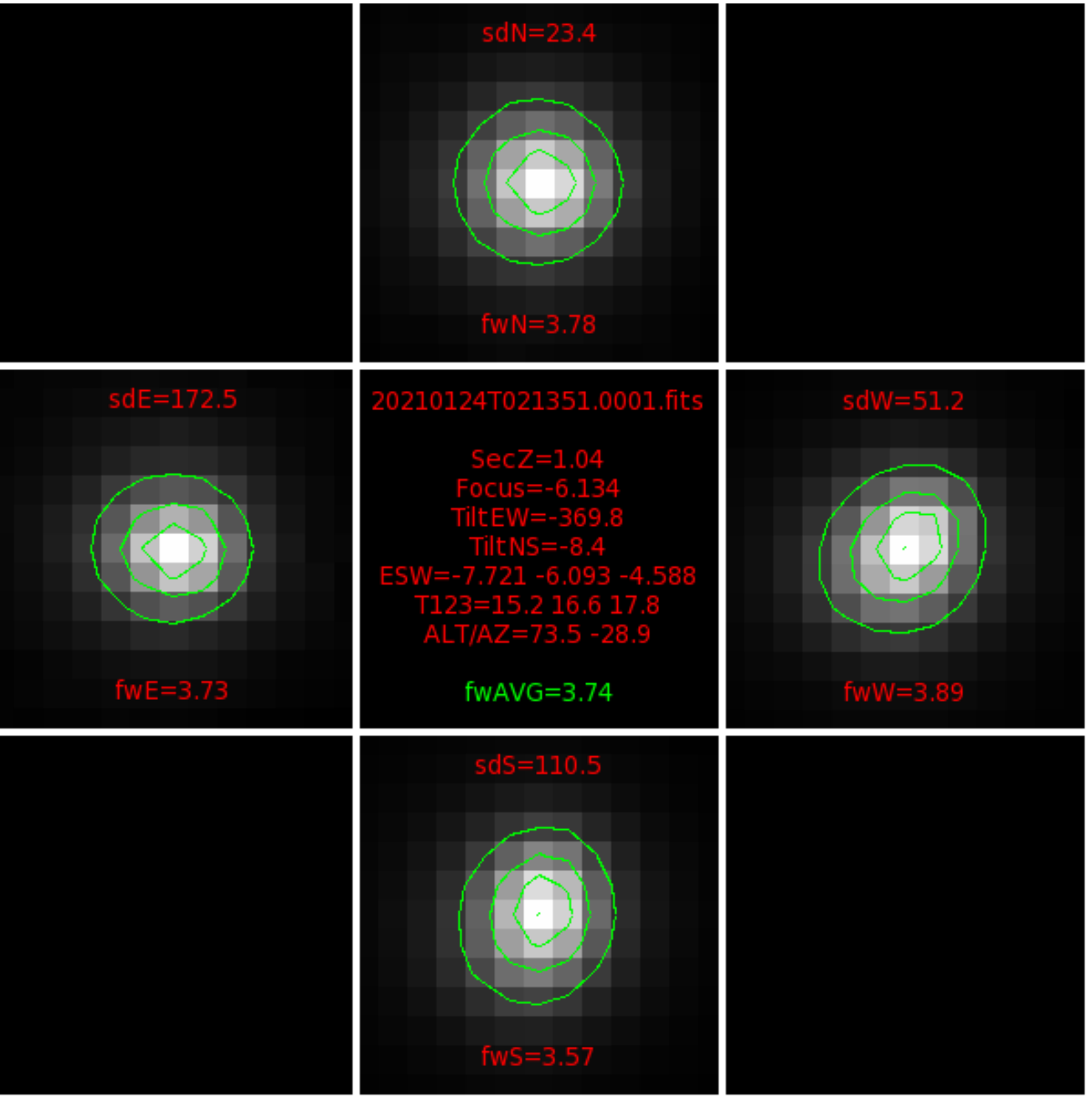
sdN=23.4
fwN=3.78
sdE=172.5
fwE=3.73
20210124T021351.0001.fits
SecZ=1.04
Focus=-6.134
TiltEW=-369.8
TiltNS=-8.4
ESW=-7.721 -6.093 -4.588
T123=15.2 16.6 17.8
ALT/AZ=73.5 -28.9
fwAVG=3.74
sdW=51.2
fwW=3.89
sdS=110.5
fwS=3.57
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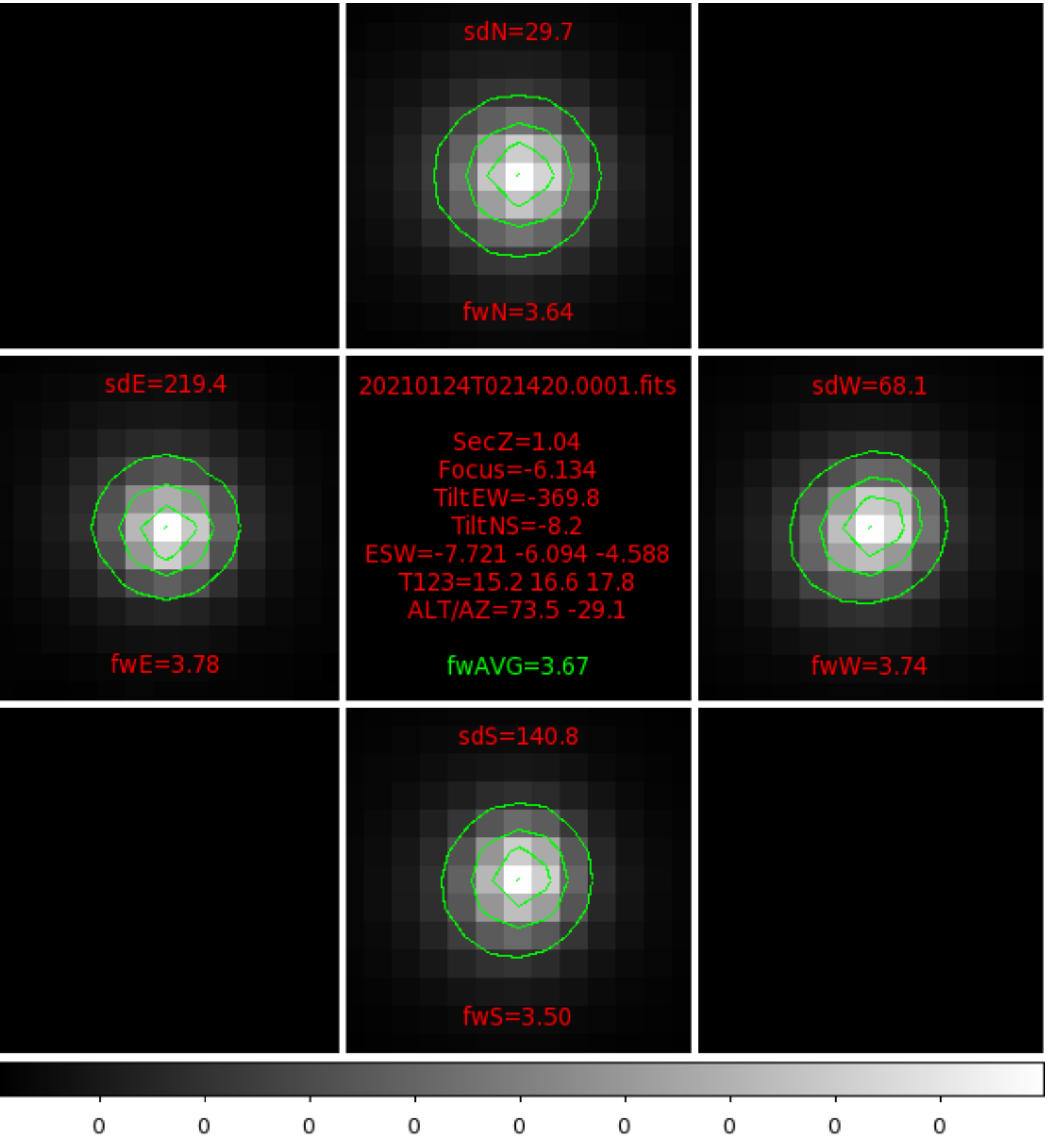
sdN=29.7
fwN=3.64
sdE=219.4
fwE=3.78
20210124T021420.0001.fits
SecZ=1.04
Focus=-6.134
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.721 -6.094 -4.588
T123=15.2 16.6 17.8
ALT/AZ=73.5 -29.1
fwAVG=3.67
sdW=68.1
fwW=3.74
sdS=140.8
fwS=3.50
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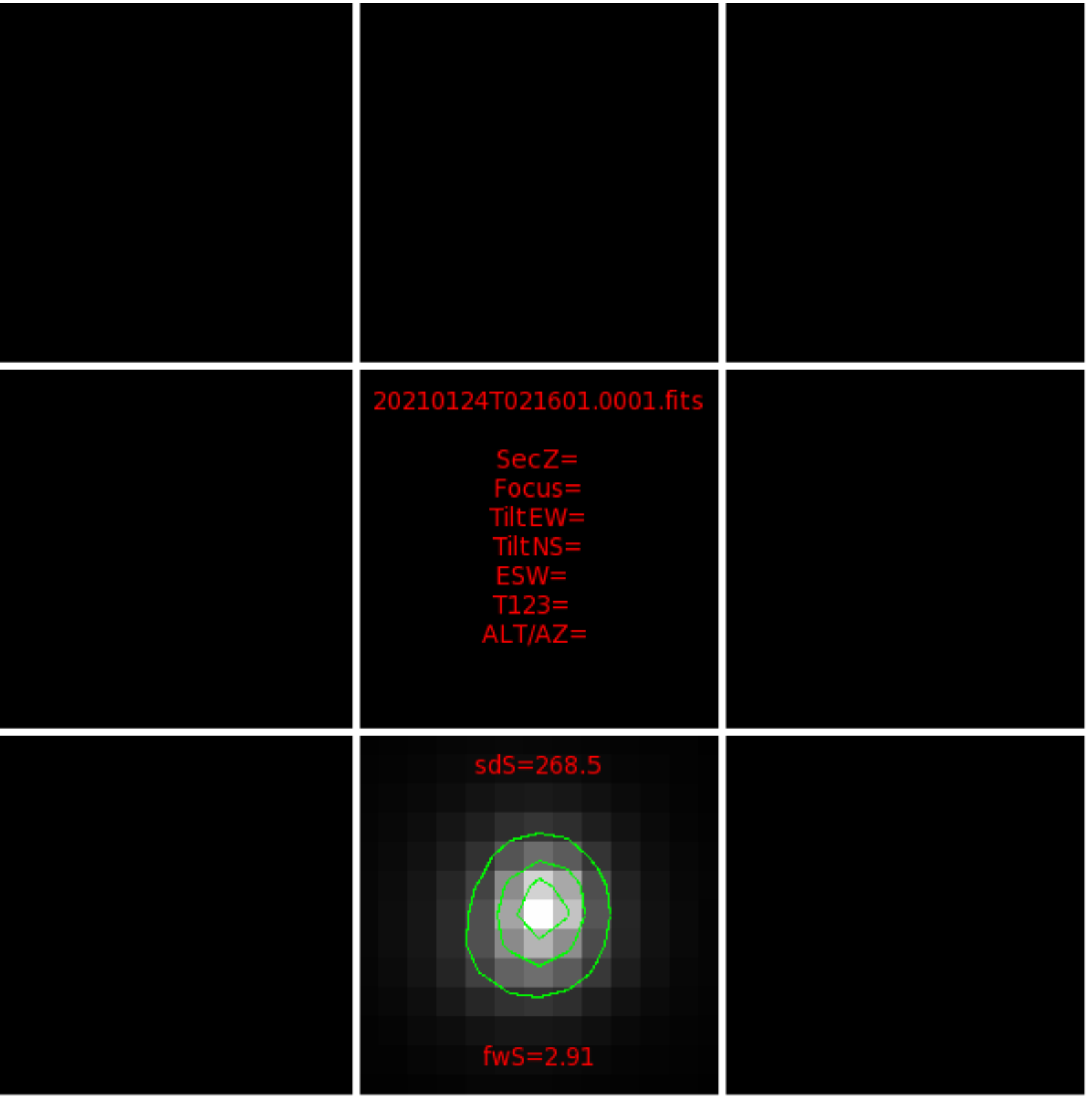
20210124T021601.0001.fits
SecZ=
Focus=
TiltEW=
TiltNS=
ESW=
T123=
ALT/AZ=
sdS=268.5
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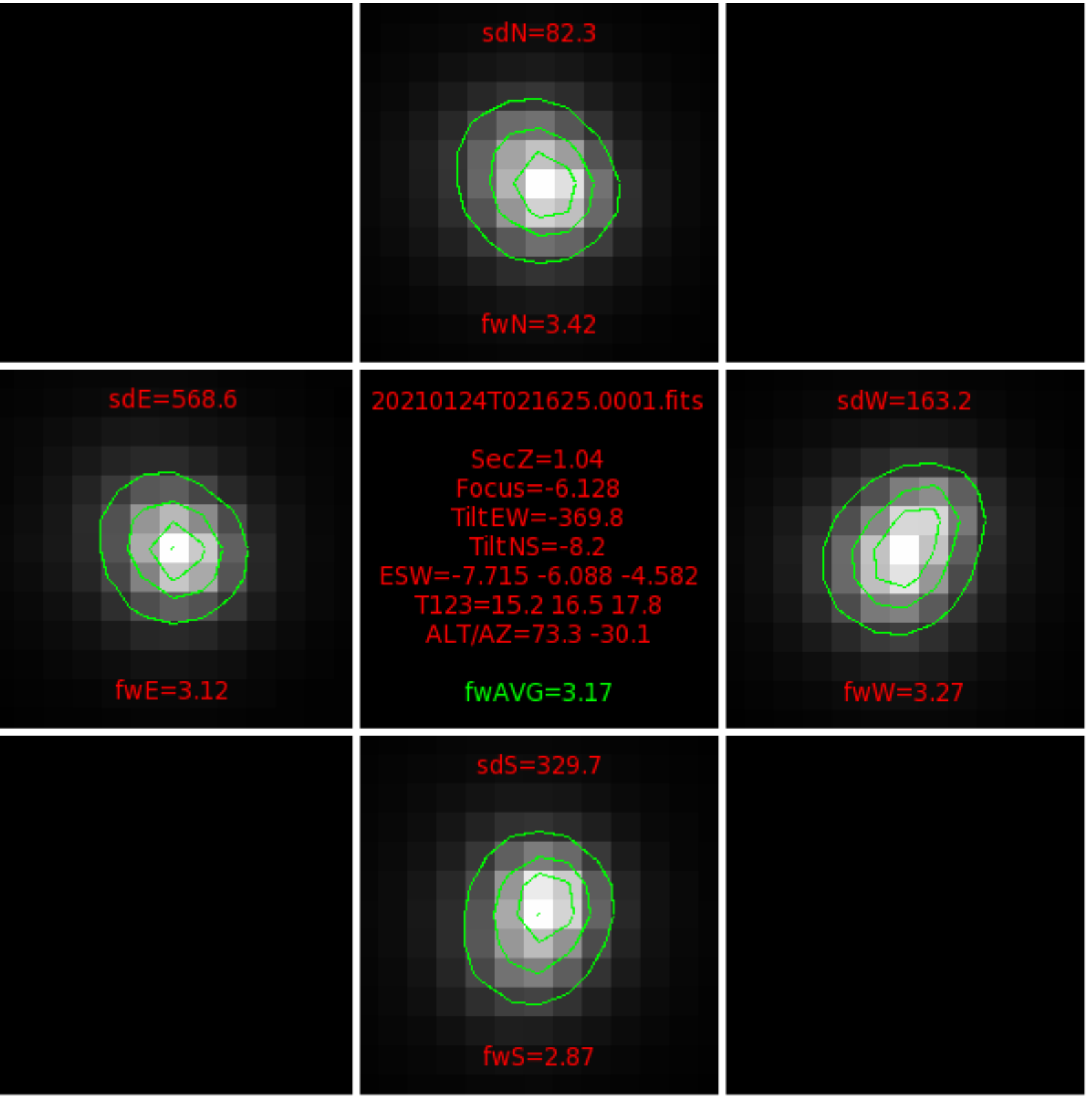
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fwN=3.42
sdE=568.6
fwE=3.12
20210124T021625.0001.fits
SecZ=1.04
Focus=-6.128
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.715 -6.088 -4.582
T123=15.2 16.5 17.8
ALT/AZ=73.3 -30.1
fwAVG=3.17
sdW=163.2
fwW=3.27
sdS=329.7
fwS=2.87
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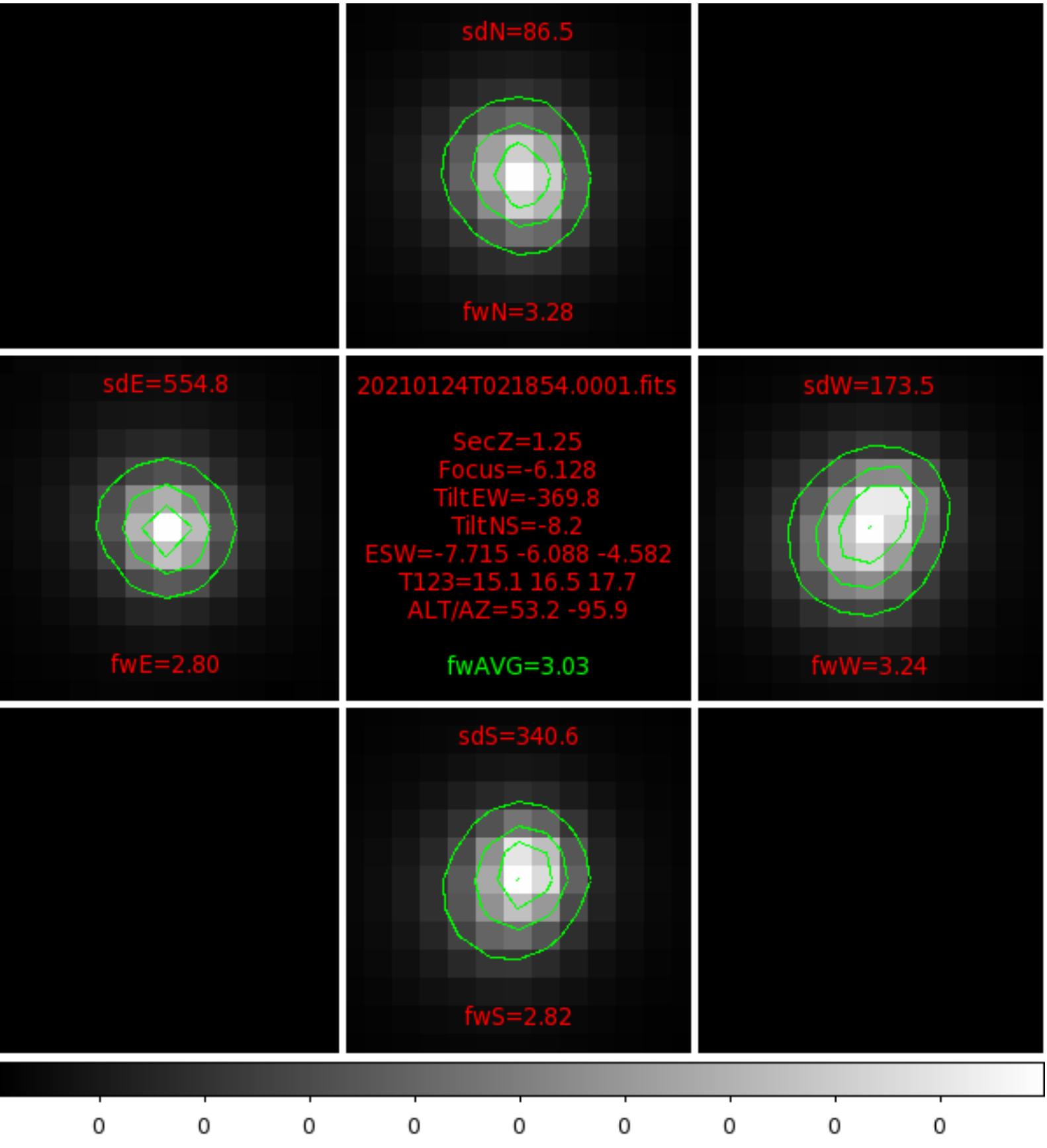
sdN=86.5
fwN=3.28
sdE=554.8
fwE=2.80
20210124T021854.0001.fits
SecZ=1.25
Focus=-6.128
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.715 -6.088 -4.582
T123=15.1 16.5 17.7
ALT/AZ=53.2 -95.9
fwAVG=3.03
sdW=173.5
fwW=3.24
sdS=340.6
fwS=2.82
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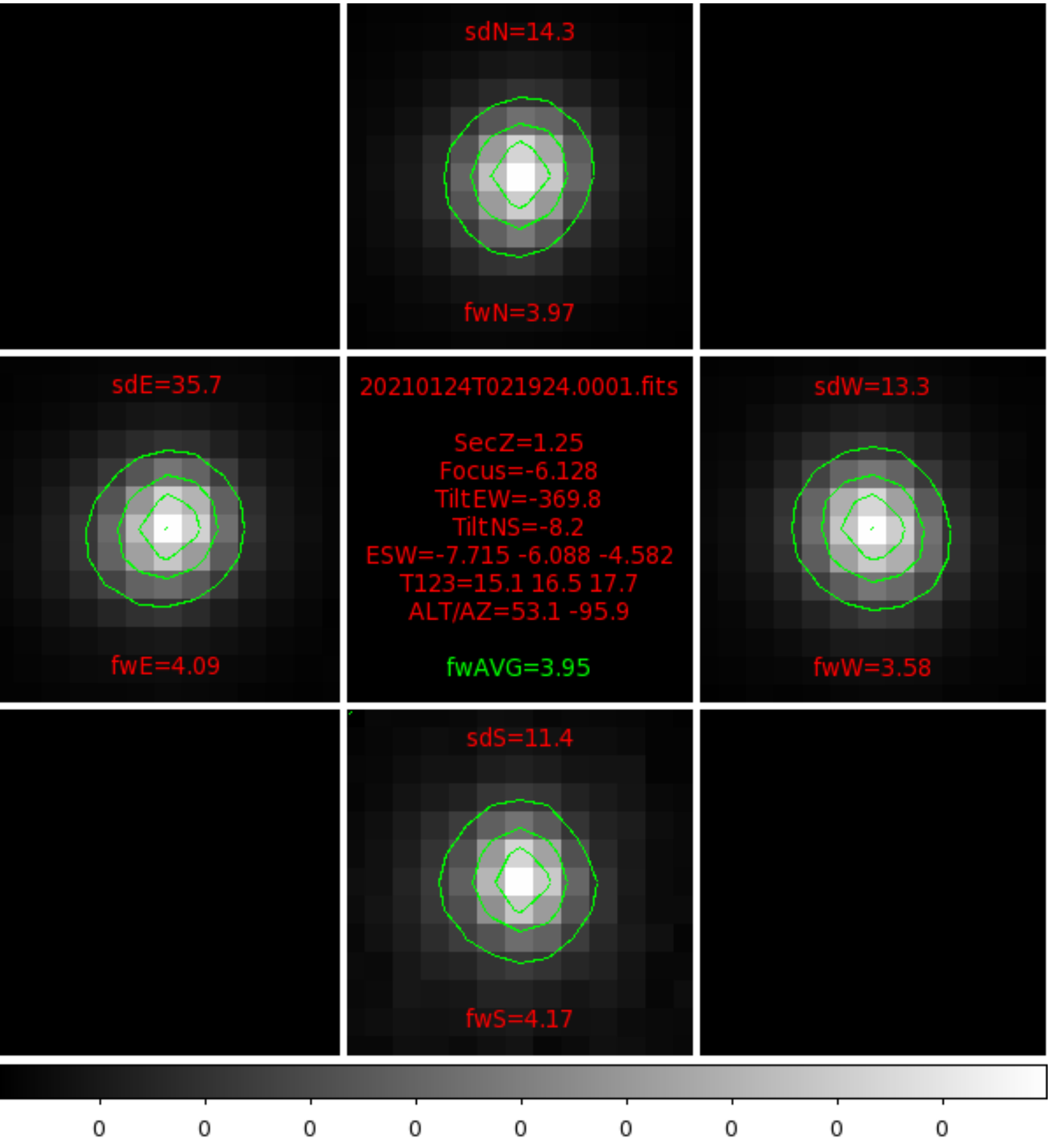
sdN=14.3
fwN=3.97
sdE=35.7
fwE=4.09
20210124T021924.0001.fits
SecZ=1.25
Focus=-6.128
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.715 -6.088 -4.582
T123=15.1 16.5 17.7
ALT/AZ=53.1 -95.9
fwAVG=3.95
sdW=13.3
fwW=3.58
sdS=11.4
fwS=4.17
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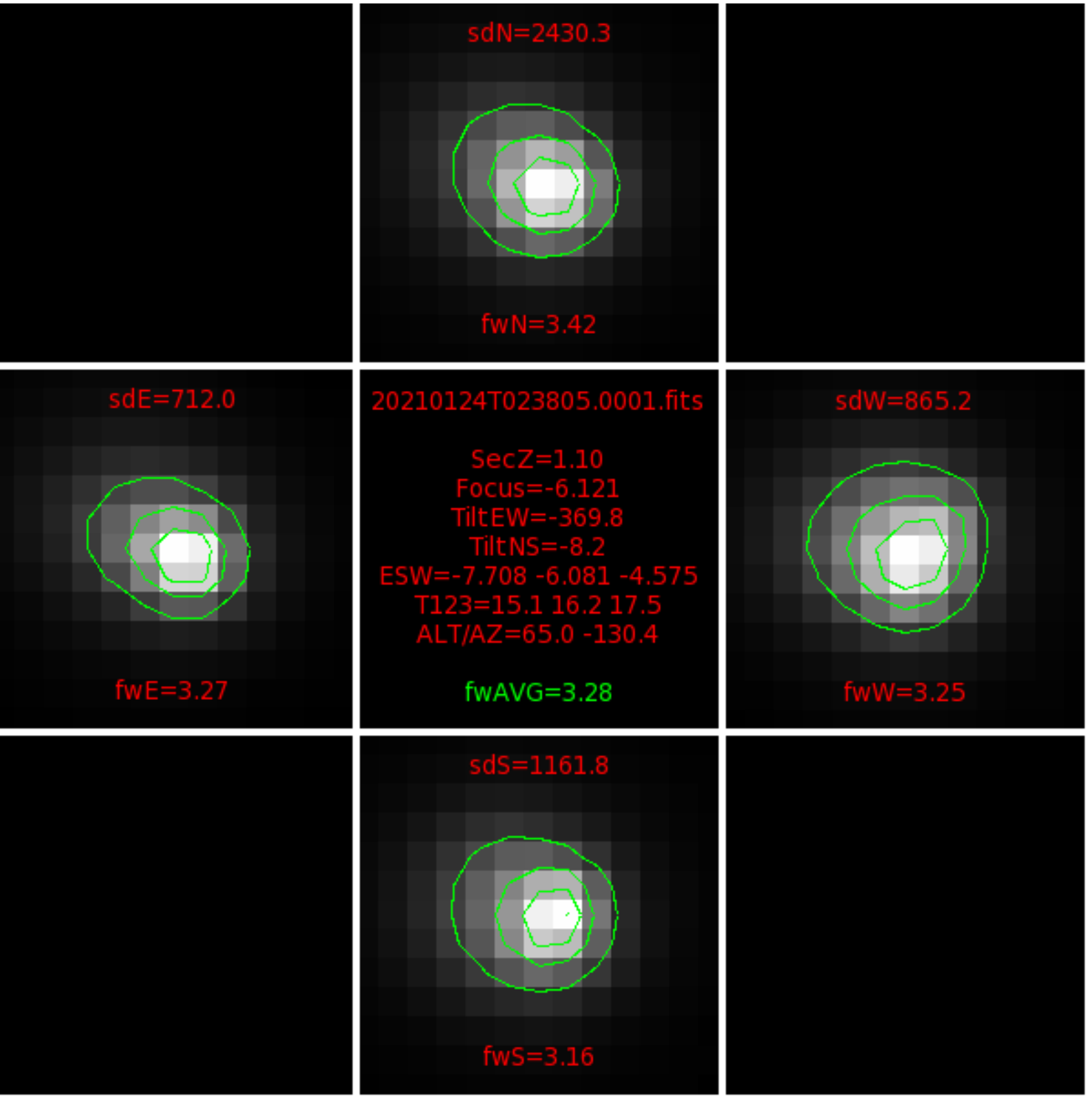
sdN=2430.3
fwN=3.42
sdE=712.0
fwE=3.27
20210124T023805.0001.fits
SecZ=1.10
Focus=-6.121
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.1 16.2 17.5
ALT/AZ=65.0 -130.4
fwAVG=3.28
sdW=865.2
fwW=3.25
sdS=1161.8
fwS=3.16
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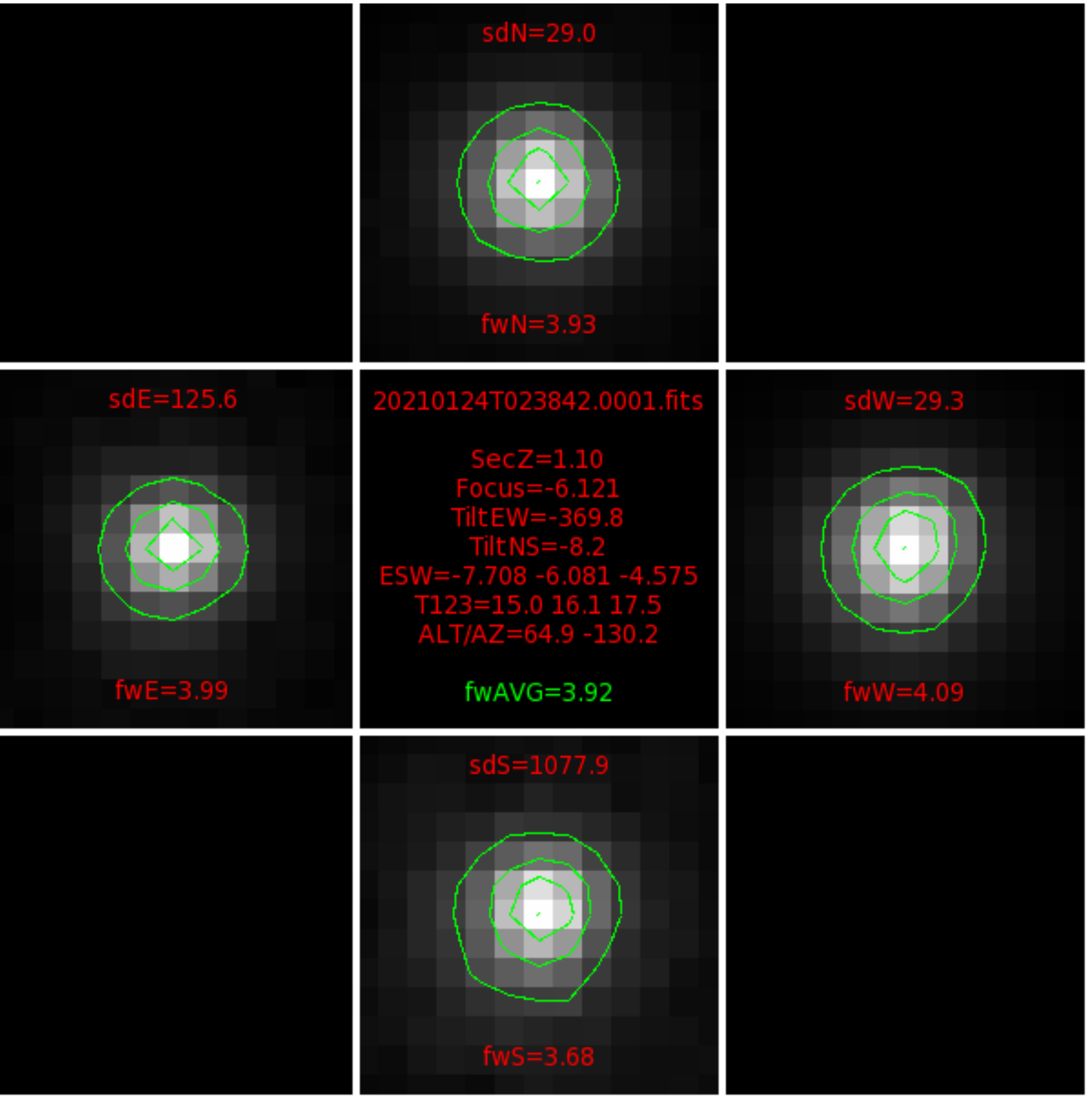
sdN=29.0
fwN=3.93
sdE=125.6
fwE=3.99
20210124T023842.0001.fits
SecZ=1.10
Focus=-6.121
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.0 16.1 17.5
ALT/AZ=64.9 -130.2
fwAVG=3.92
sdW=29.3
fwW=4.09
sdS=1077.9
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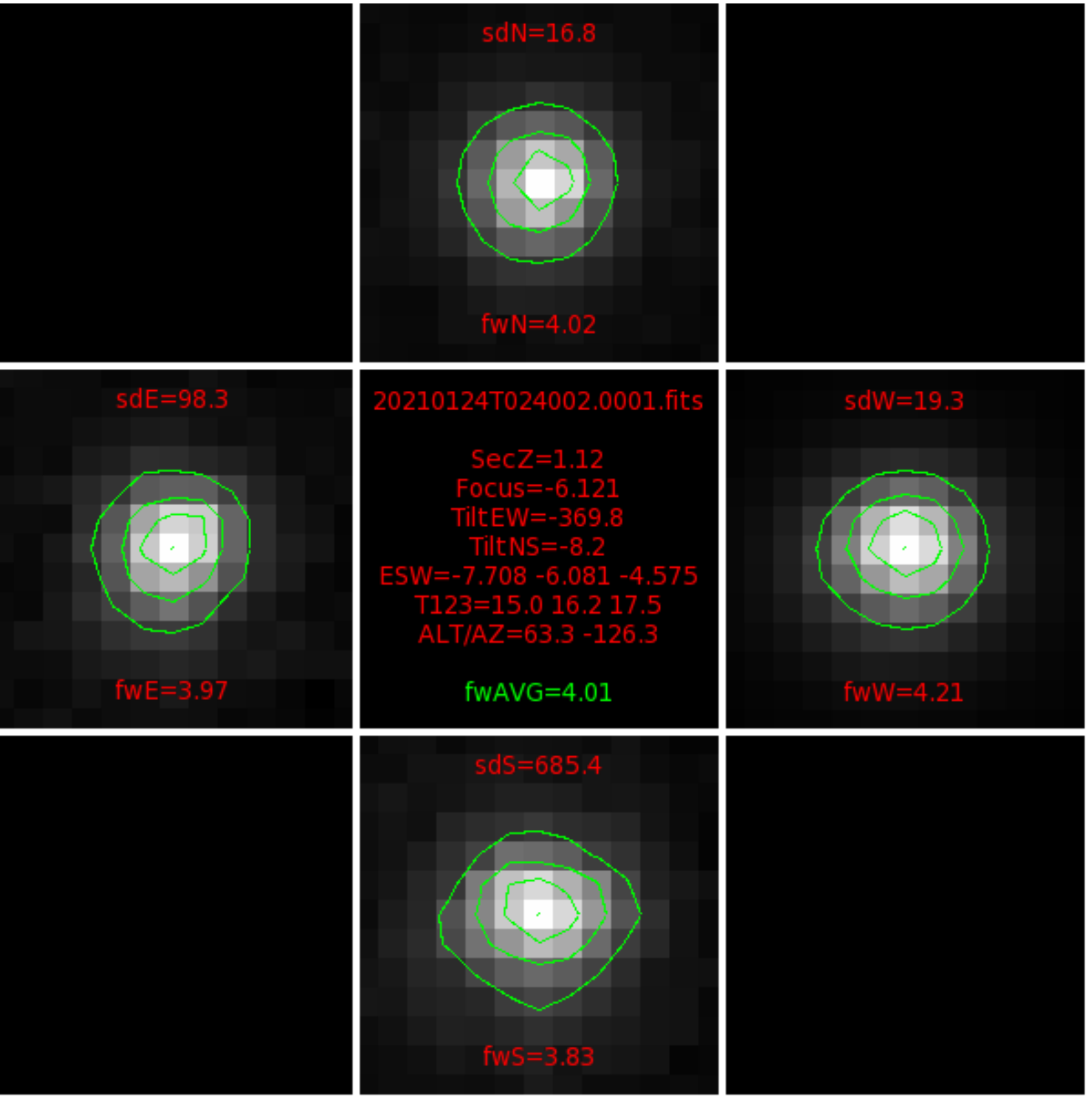
sdN=16.8
fwN=4.02
sdE=98.3
fwE=3.97
20210124T024002.0001.fits
SecZ=1.12
Focus=-6.121
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.0 16.2 17.5
ALT/AZ=63.3 -126.3
fwAVG=4.01
sdW=19.3
fwW=4.21
sdS=685.4
fwS=3.83
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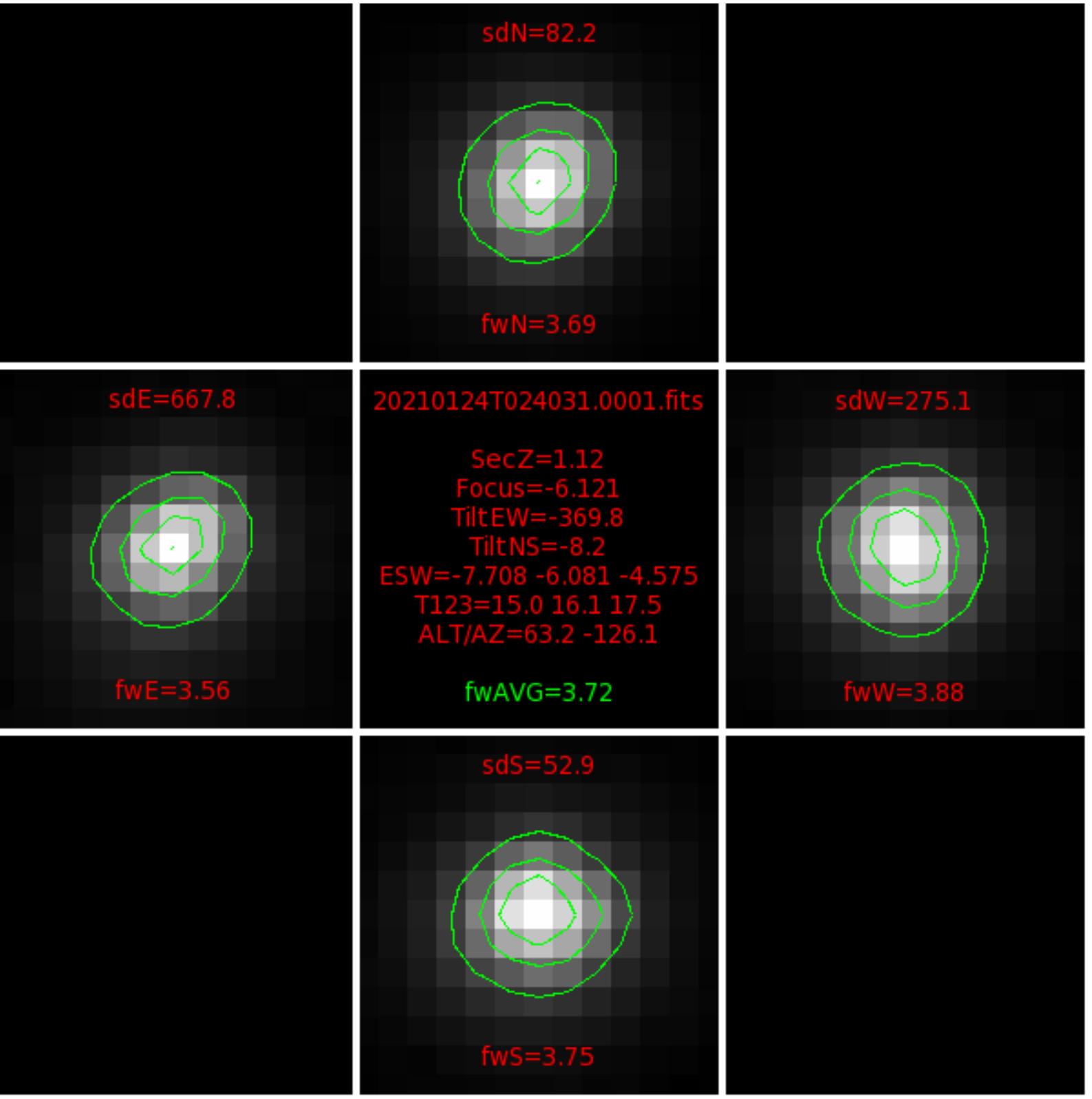
sdN=82.2
fwN=3.69
sdE=667.8
fwE=3.56
20210124T024031.0001.fits
SecZ=1.12
Focus=-6.121
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.0 16.1 17.5
ALT/AZ=63.2 -126.1
fwAVG=3.72
sdW=275.1
fwW=3.88
sdS=52.9
fwS=3.75
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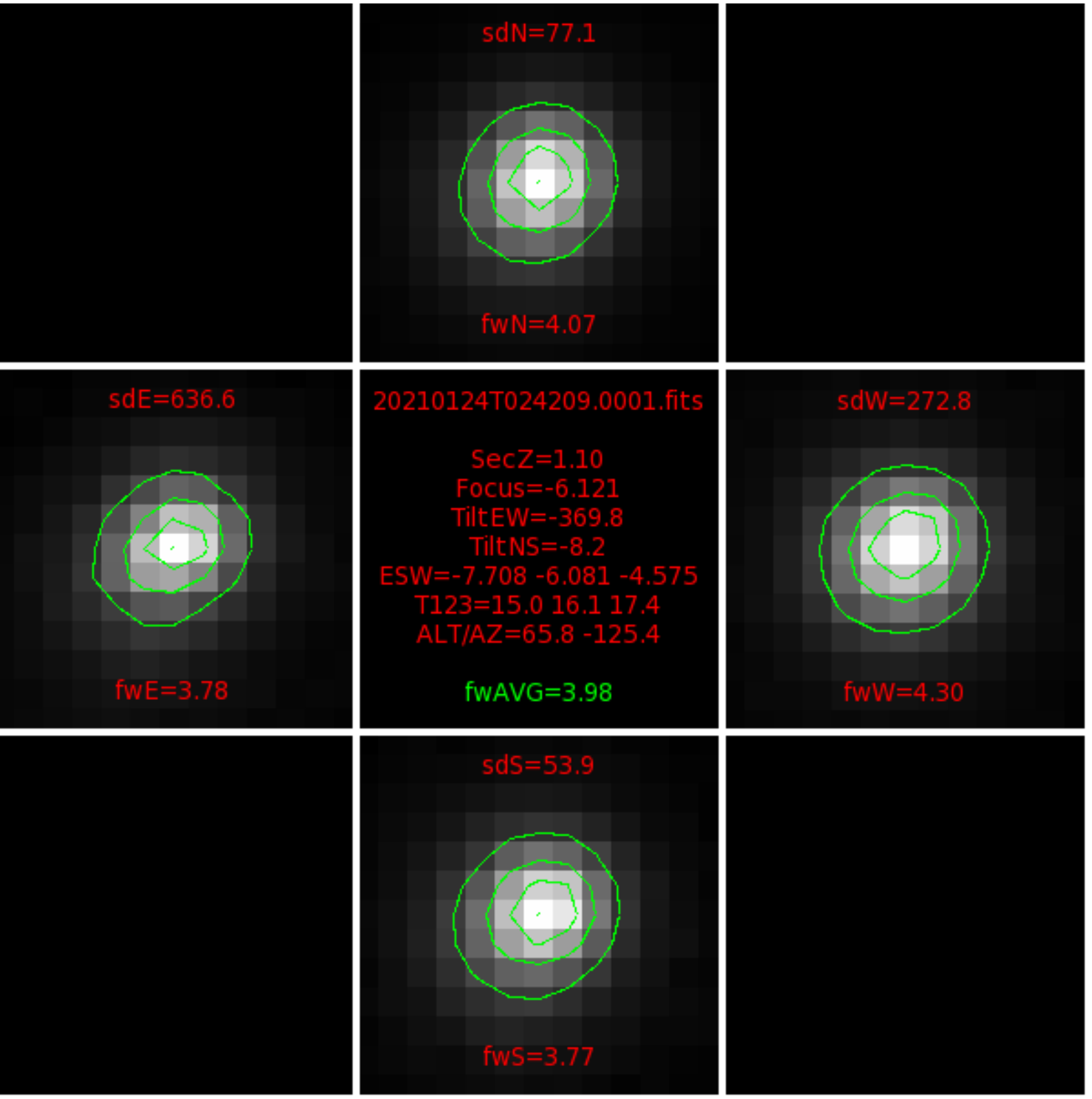
sdN=77.1
fwN=4.07
sdE=636.6
fwE=3.78
20210124T024209.0001.fits
SecZ=1.10
Focus=-6.121
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.0 16.1 17.4
ALT/AZ=65.8 -125.4
fwAVG=3.98
sdW=272.8
fwW=4.30
sdS=53.9
fwS=3.77
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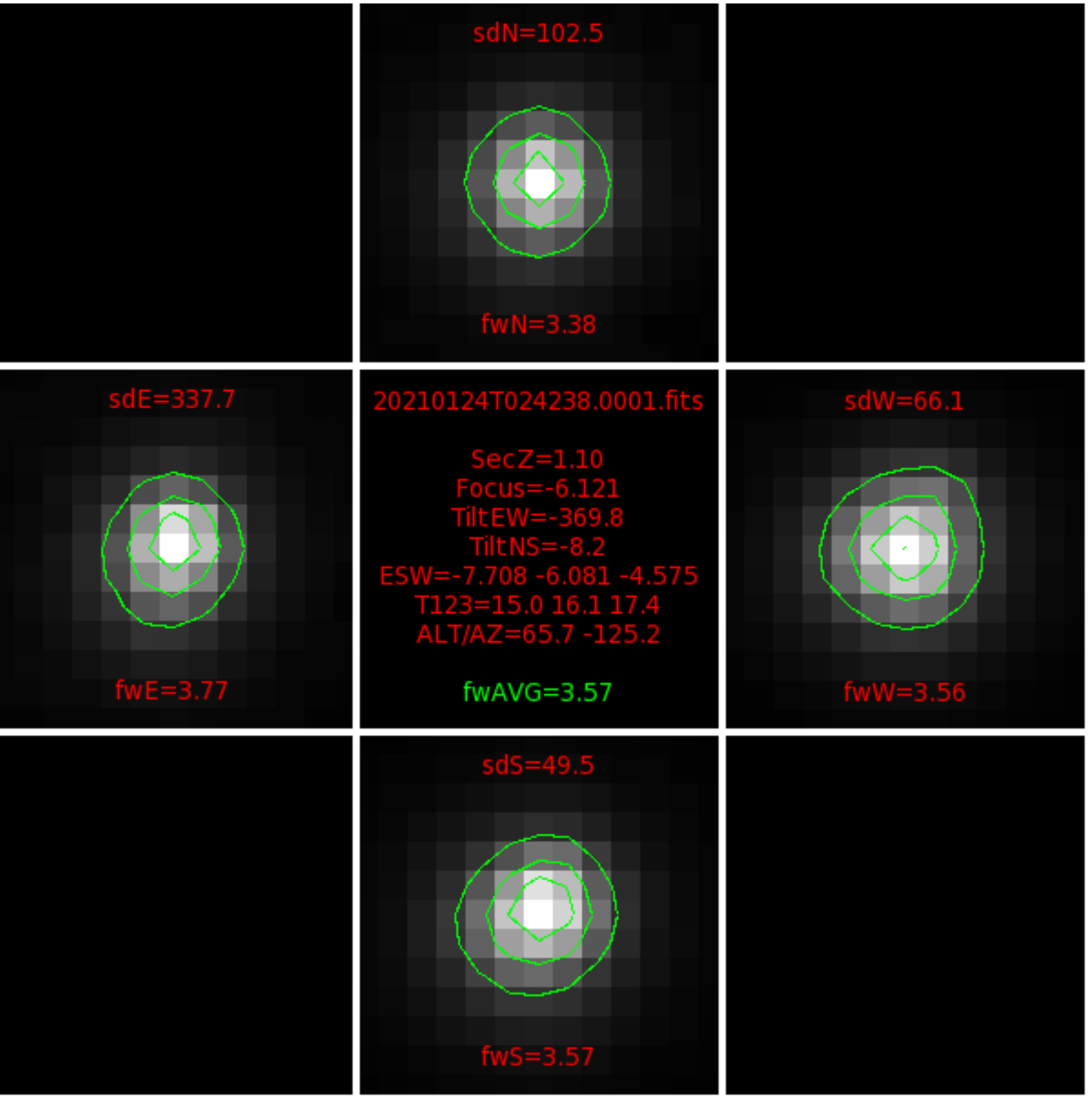
sdN=102.5
fwN=3.38
sdE=337.7
fwE=3.77
20210124T024238.0001.fits
SecZ=1.10
Focus=-6.121
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.0 16.1 17.4
ALT/AZ=65.7 -125.2
fwAVG=3.57
sdW=66.1
fwW=3.56
sdS=49.5
fwS=3.57
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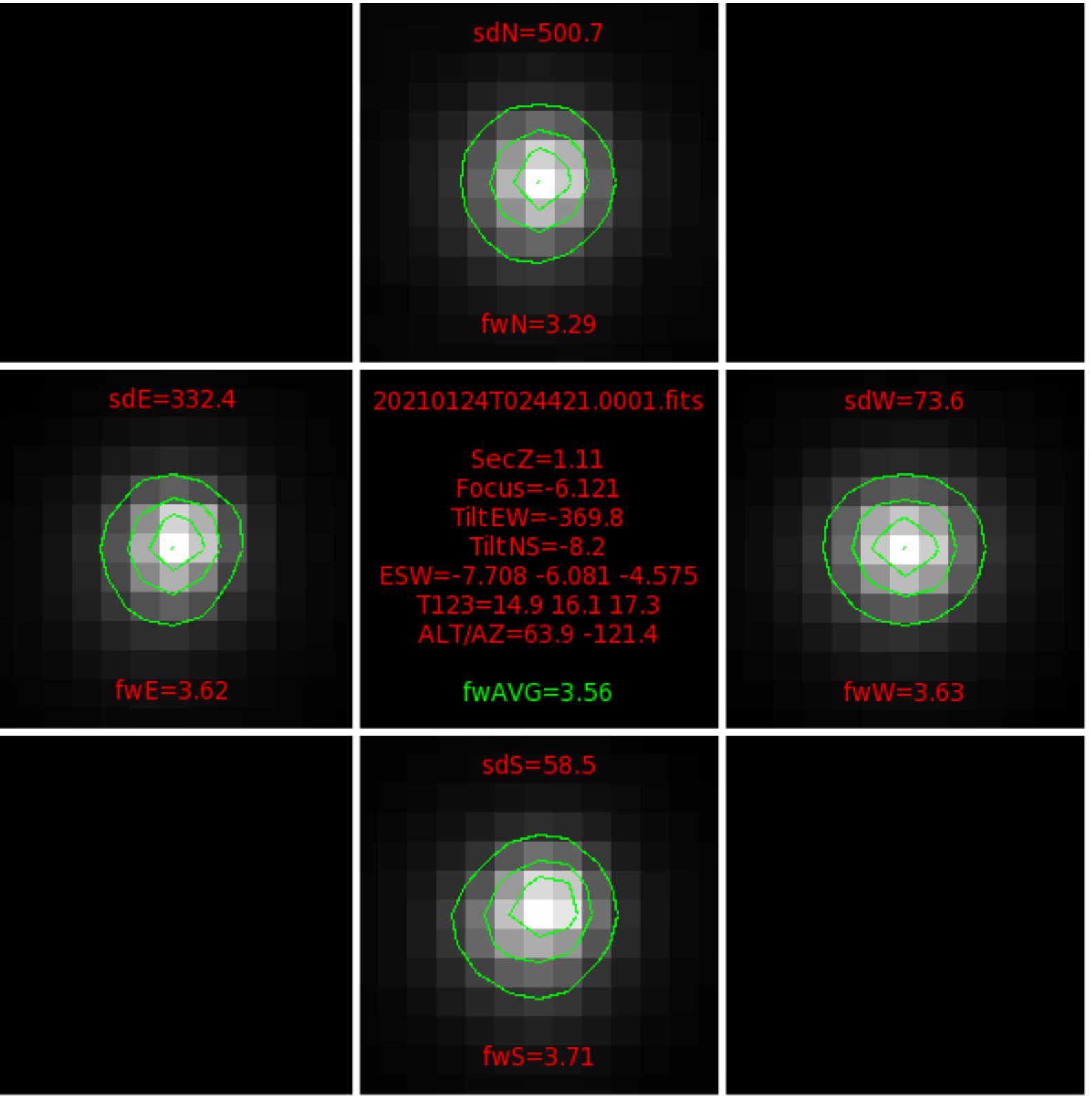
sdN=500.7
fwN=3.29
sdE=332.4
fwE=3.62
20210124T024421.0001.fits
SecZ=1.11
Focus=-6.121
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=14.9 16.1 17.3
ALT/AZ=63.9 -121.4
fwAVG=3.56
sdW=73.6
fwW=3.63
sdS=58.5
fwS=3.71
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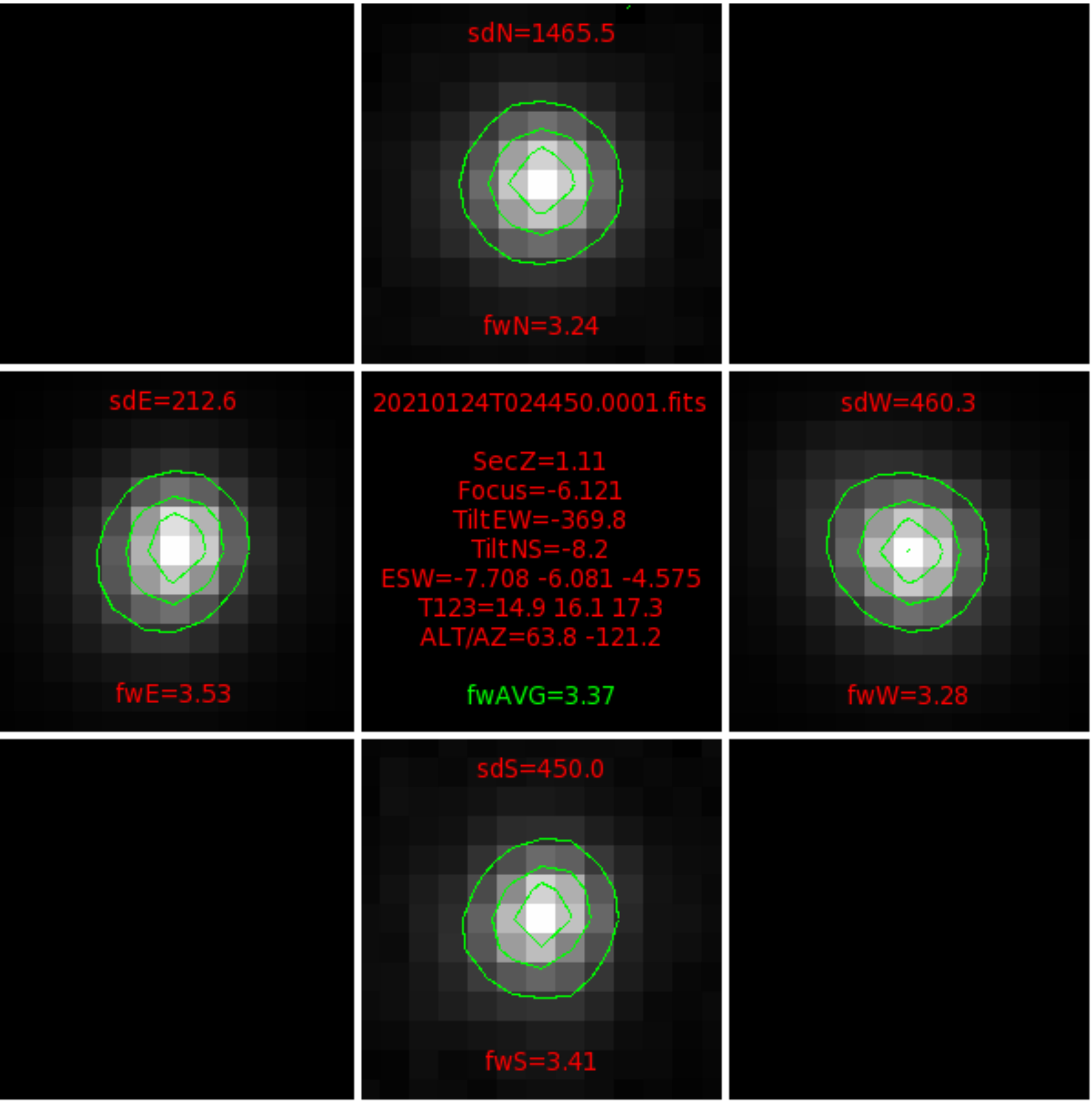
sdN=1465.5
fwN=3.24
sdE=212.6
fwE=3.53
20210124T024450.0001.fits
SecZ=1.11
Focus=-6.121
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=14.9 16.1 17.3
ALT/AZ=63.8 -121.2
fwAVG=3.37
sdW=460.3
fwW=3.28
sdS=450.0
fwS=3.41
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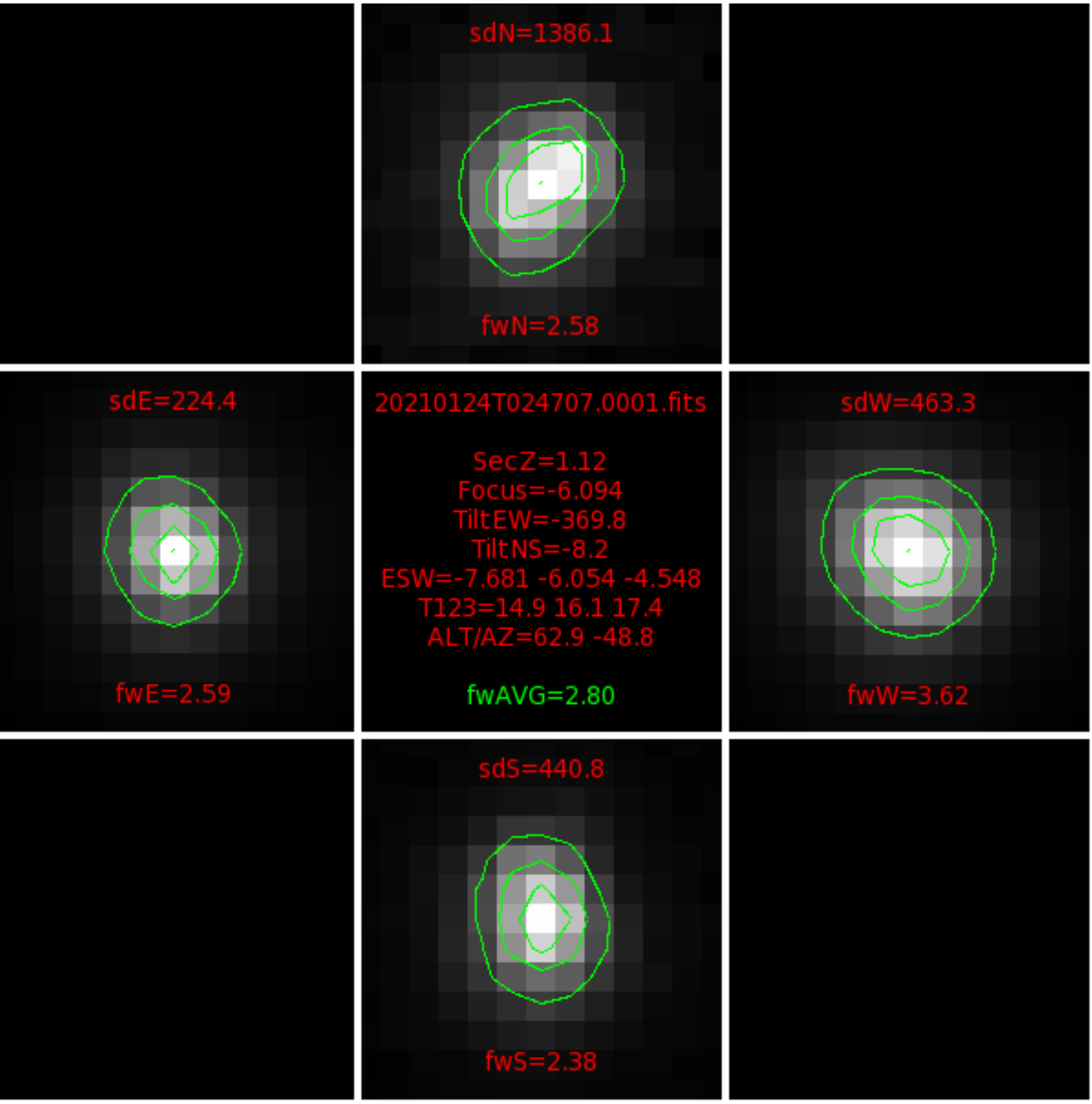
sdN=1386.1
fwN=2.58
sdE=224.4
fwE=2.59
20210124T024707.0001.fits
SecZ=1.12
Focus=-6.094
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.681 -6.054 -4.548
T123=14.9 16.1 17.4
ALT/AZ=62.9 -48.8
fwAVG=2.80
sdW=463.3
fwW=3.62
sdS=440.8
fwS=2.38
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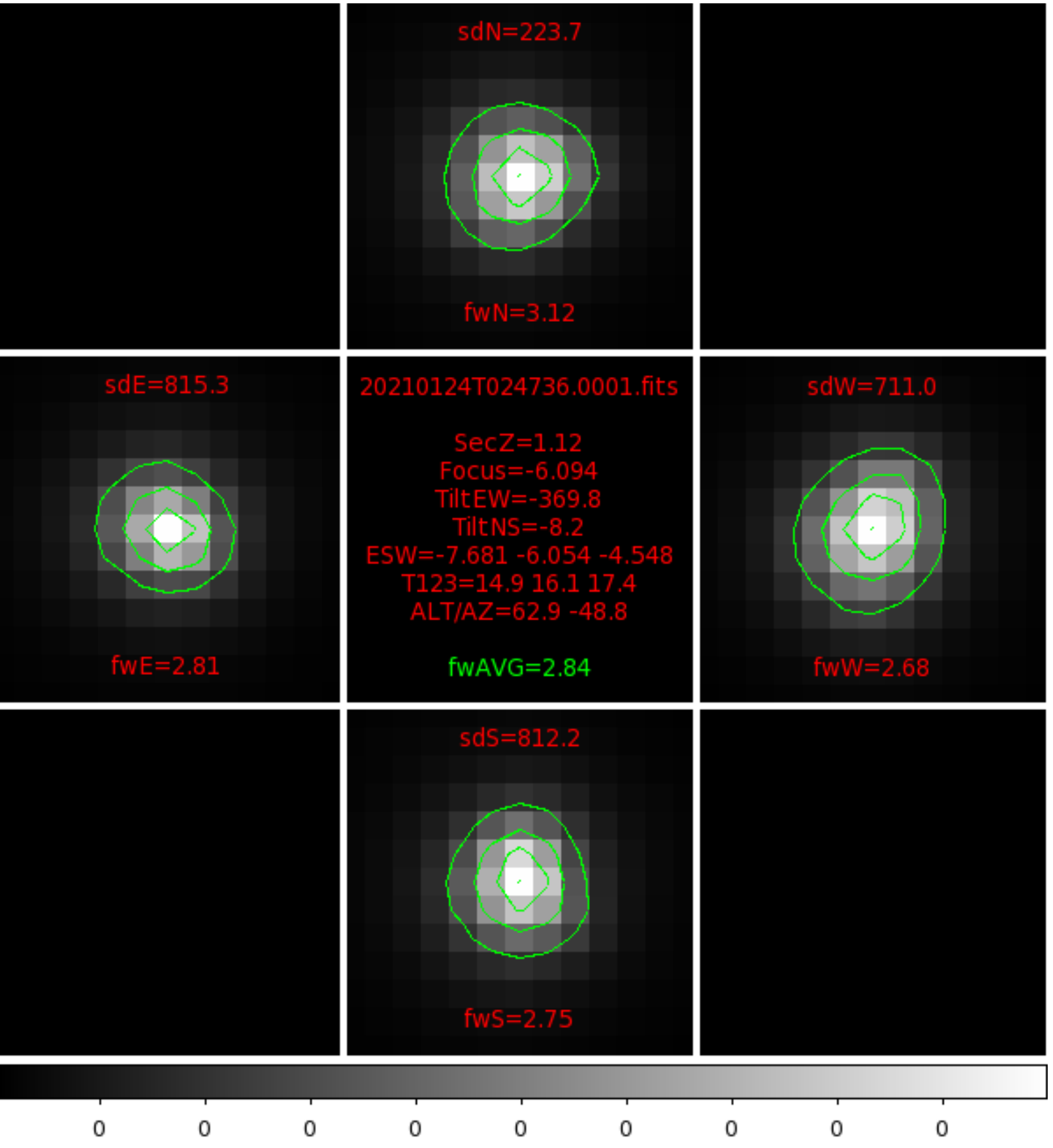
sdN=223.7
fwN=3.12
sdE=815.3
fwE=2.81
20210124T024736.0001.fits
SecZ=1.12
Focus=-6.094
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.681 -6.054 -4.548
T123=14.9 16.1 17.4
ALT/AZ=62.9 -48.8
fwAVG=2.84
sdW=711.0
fwW=2.68
sdS=812.2
fwS=2.75
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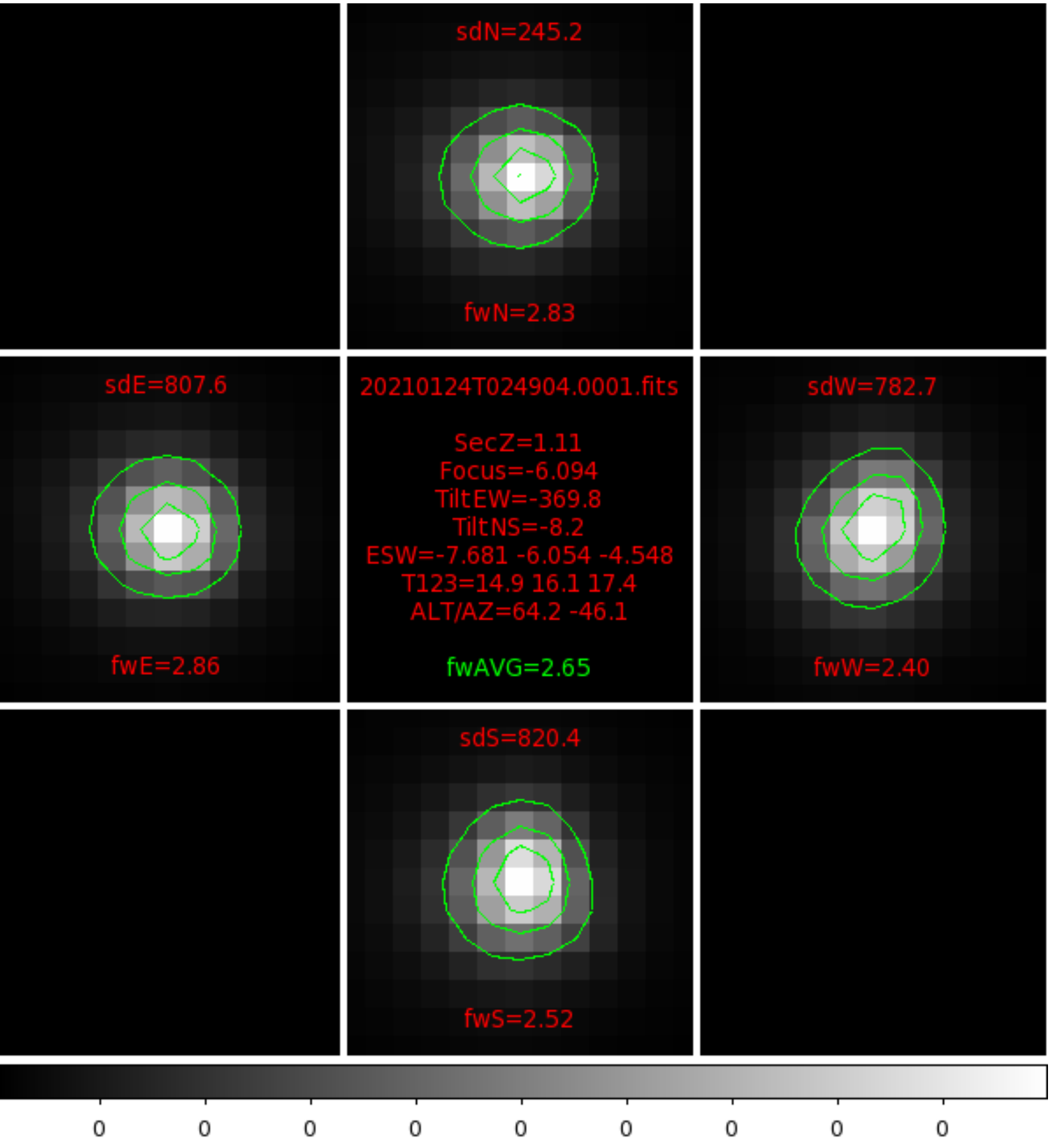
sdN=245.2
fwN=2.83
sdE=807.6
fwE=2.86
20210124T024904.0001.fits
SecZ=1.11
Focus=-6.094
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.681 -6.054 -4.548
T123=14.9 16.1 17.4
ALT/AZ=64.2 -46.1
fwAVG=2.65
sdW=782.7
fwW=2.40
sdS=820.4
fwS=2.52
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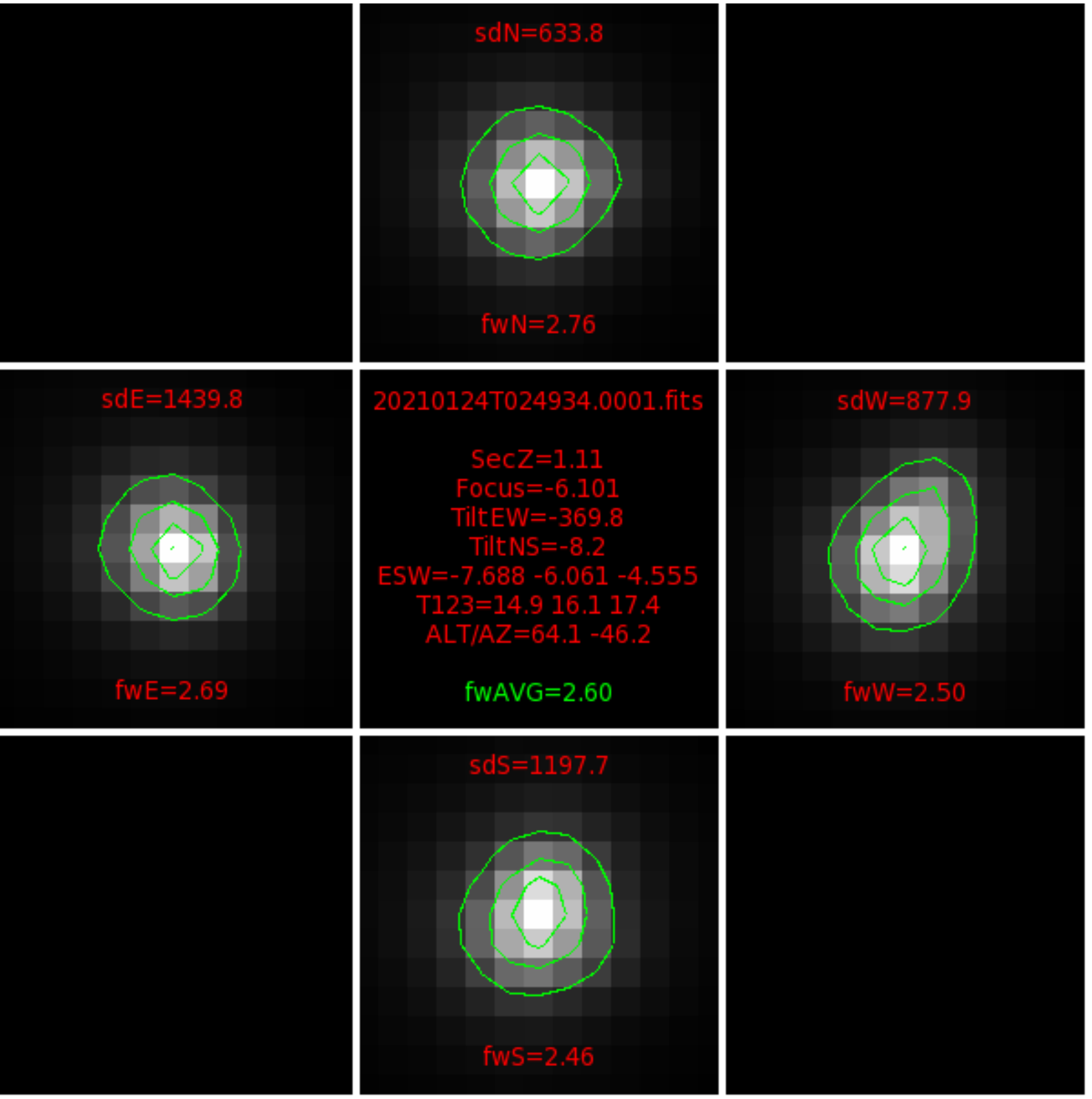
sdN=633.8
fwN=2.76
sdE=1439.8
fwE=2.69
20210124T024934.0001.fits
SecZ=1.11
Focus=-6.101
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.688 -6.061 -4.555
T123=14.9 16.1 17.4
ALT/AZ=64.1 -46.2
fwAVG=2.60
sdW=877.9
fwW=2.50
sdS=1197.7
fwS=2.46
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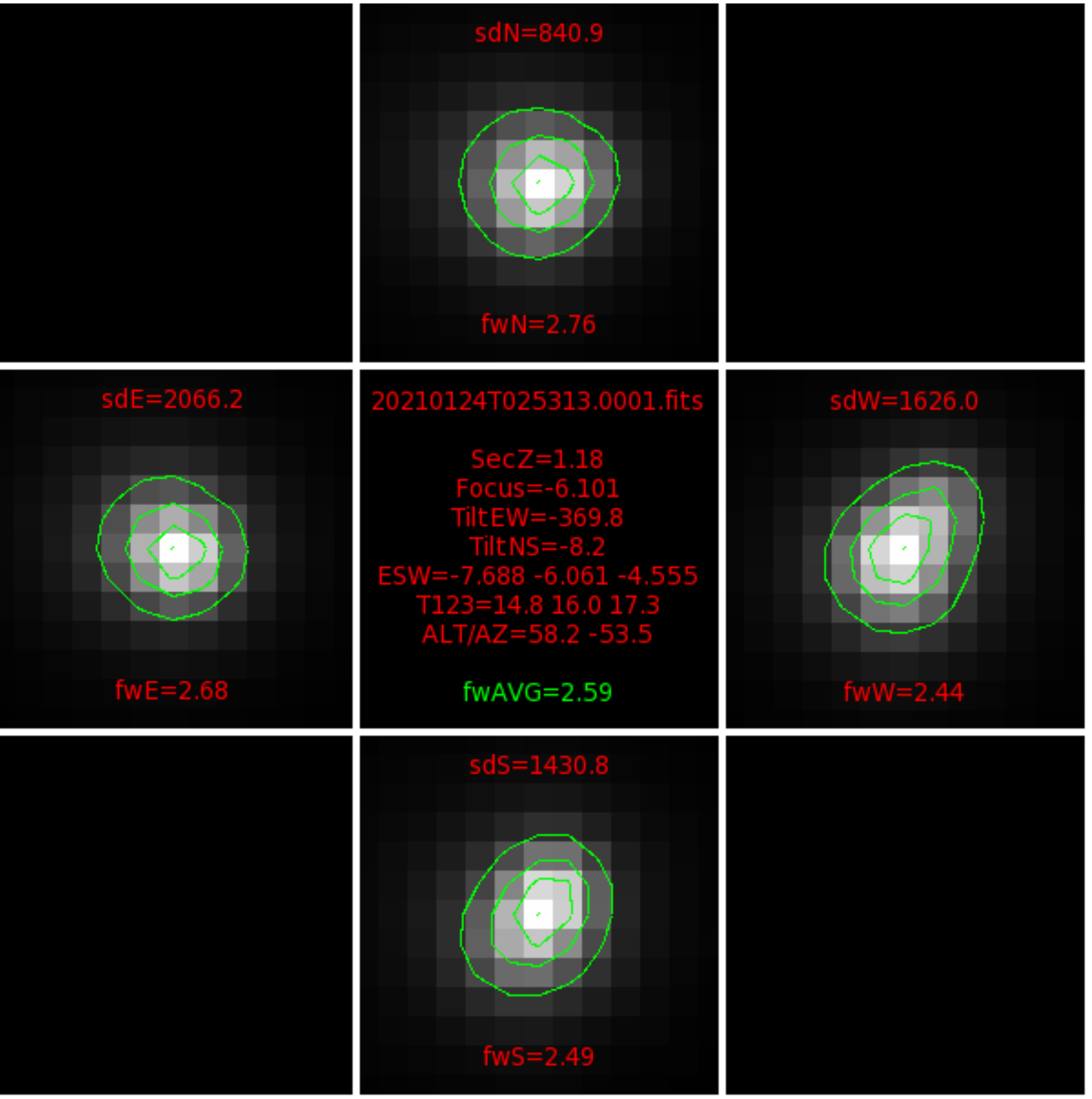
sdN=840.9
fwN=2.76
sdE=2066.2
fwE=2.68
20210124T025313.0001.fits
SecZ=1.18
Focus=-6.101
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.688 -6.061 -4.555
T123=14.8 16.0 17.3
ALT/AZ=58.2 -53.5
fwAVG=2.59
sdW=1626.0
fwW=2.44
sdS=1430.8
fwS=2.49
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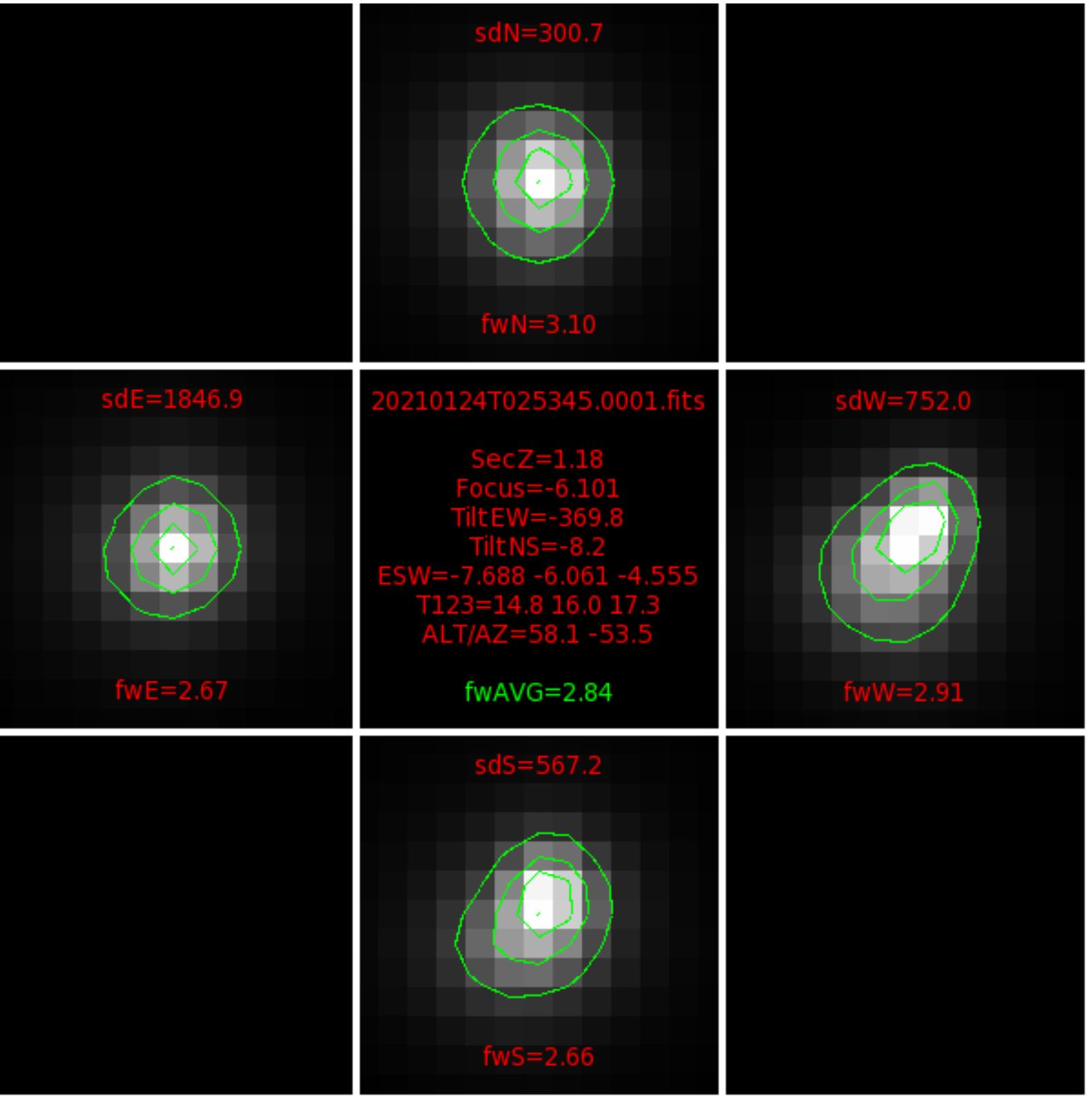
sdN=300.7
fwN=3.10
sdE=1846.9
fwE=2.67
20210124T025345.0001.fits
SecZ=1.18
Focus=-6.101
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.688 -6.061 -4.555
T123=14.8 16.0 17.3
ALT/AZ=58.1 -53.5
fwAVG=2.84
sdW=752.0
fwW=2.91
sdS=567.2
fwS=2.66
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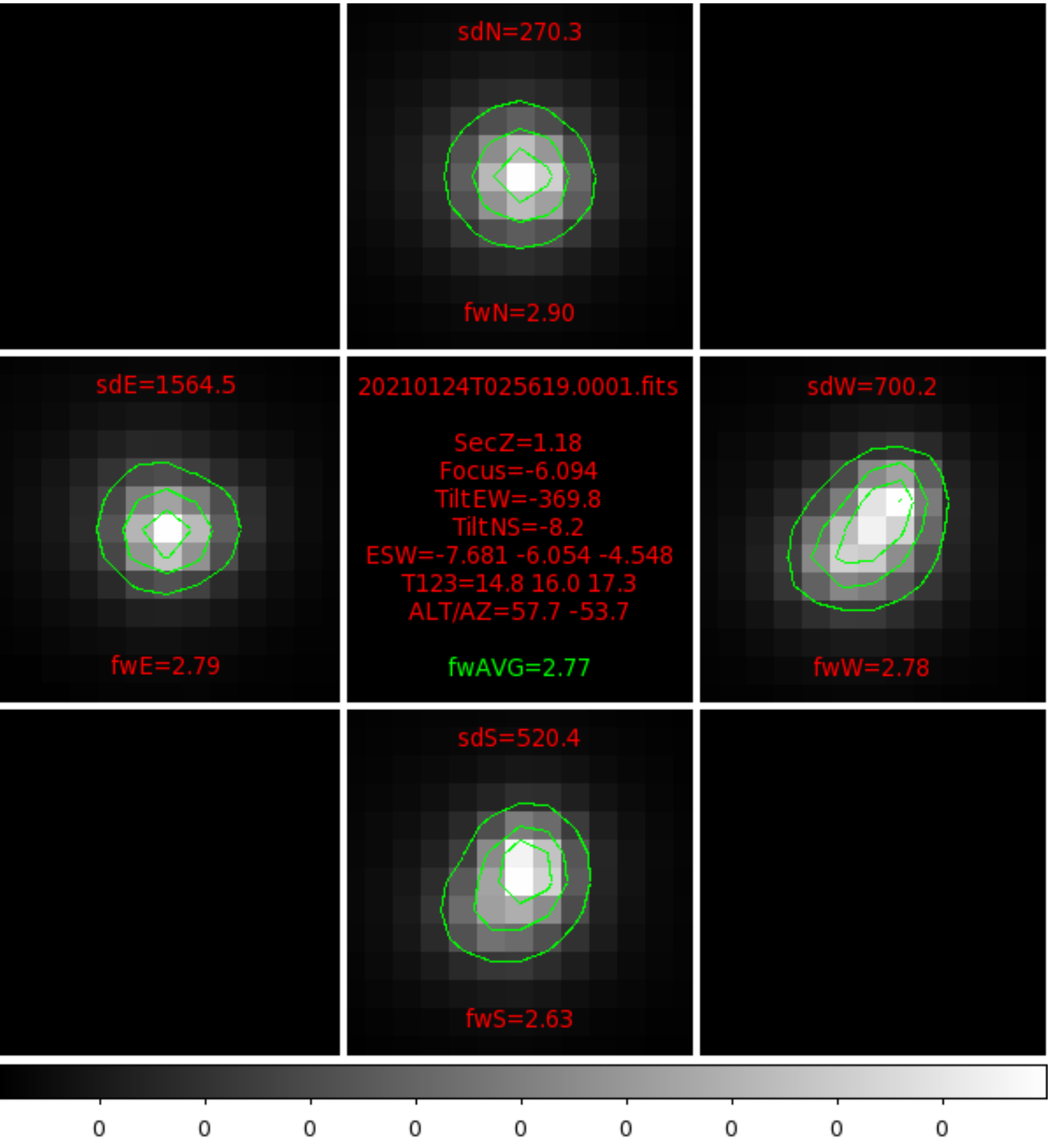
sdN=270.3
fwN=2.90
sdE=1564.5
fwE=2.79
20210124T025619.0001.fits
SecZ=1.18
Focus=-6.094
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.681 -6.054 -4.548
T123=14.8 16.0 17.3
ALT/AZ=57.7 -53.7
fwAVG=2.77
sdW=700.2
fwW=2.78
sdS=520.4
fwS=2.63
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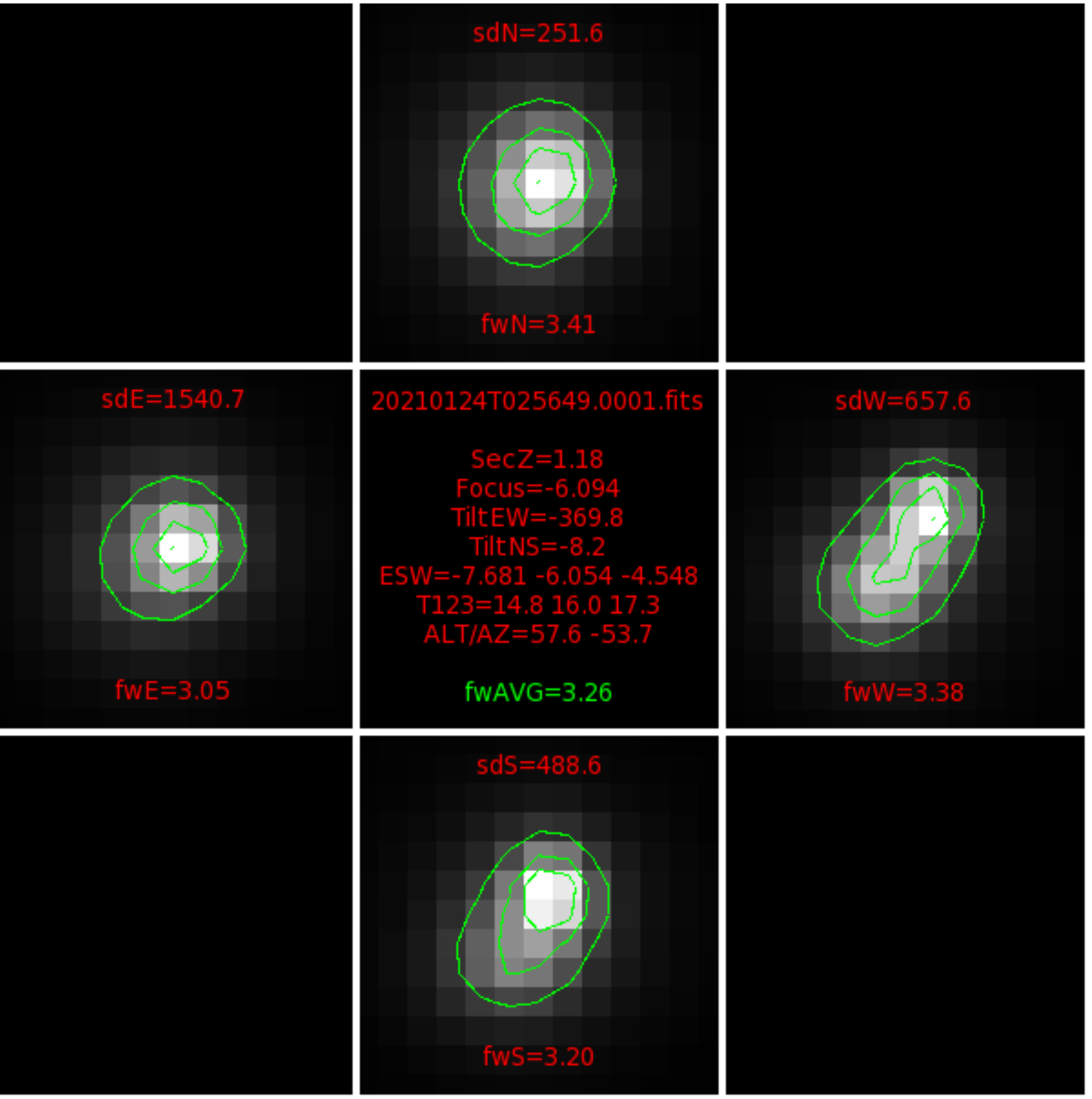
sdN=251.6
fwN=3.41
sdE=1540.7
fwE=3.05
20210124T025649.0001.fits
SecZ=1.18
Focus=-6.094
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.681 -6.054 -4.548
T123=14.8 16.0 17.3
ALT/AZ=57.6 -53.7
fwAVG=3.26
sdW=657.6
fwW=3.38
sdS=488.6
fwS=3.20
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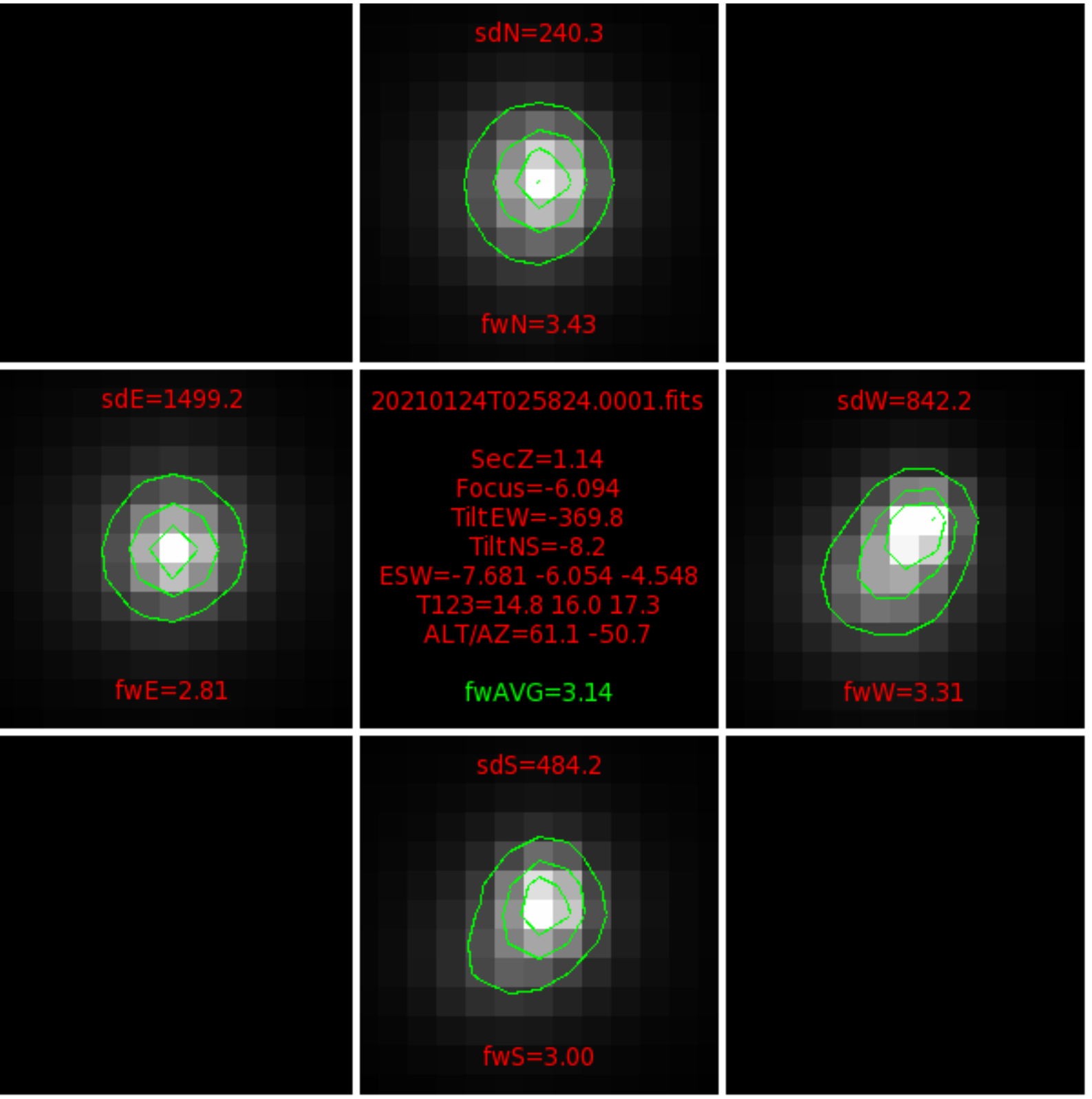
sdN=240.3
fwN=3.43
sdE=1499.2
fwE=2.81
20210124T025824.0001.fits
SecZ=1.14
Focus=-6.094
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.681 -6.054 -4.548
T123=14.8 16.0 17.3
ALT/AZ=61.1 -50.7
fwAVG=3.14
sdW=842.2
fwW=3.31
sdS=484.2
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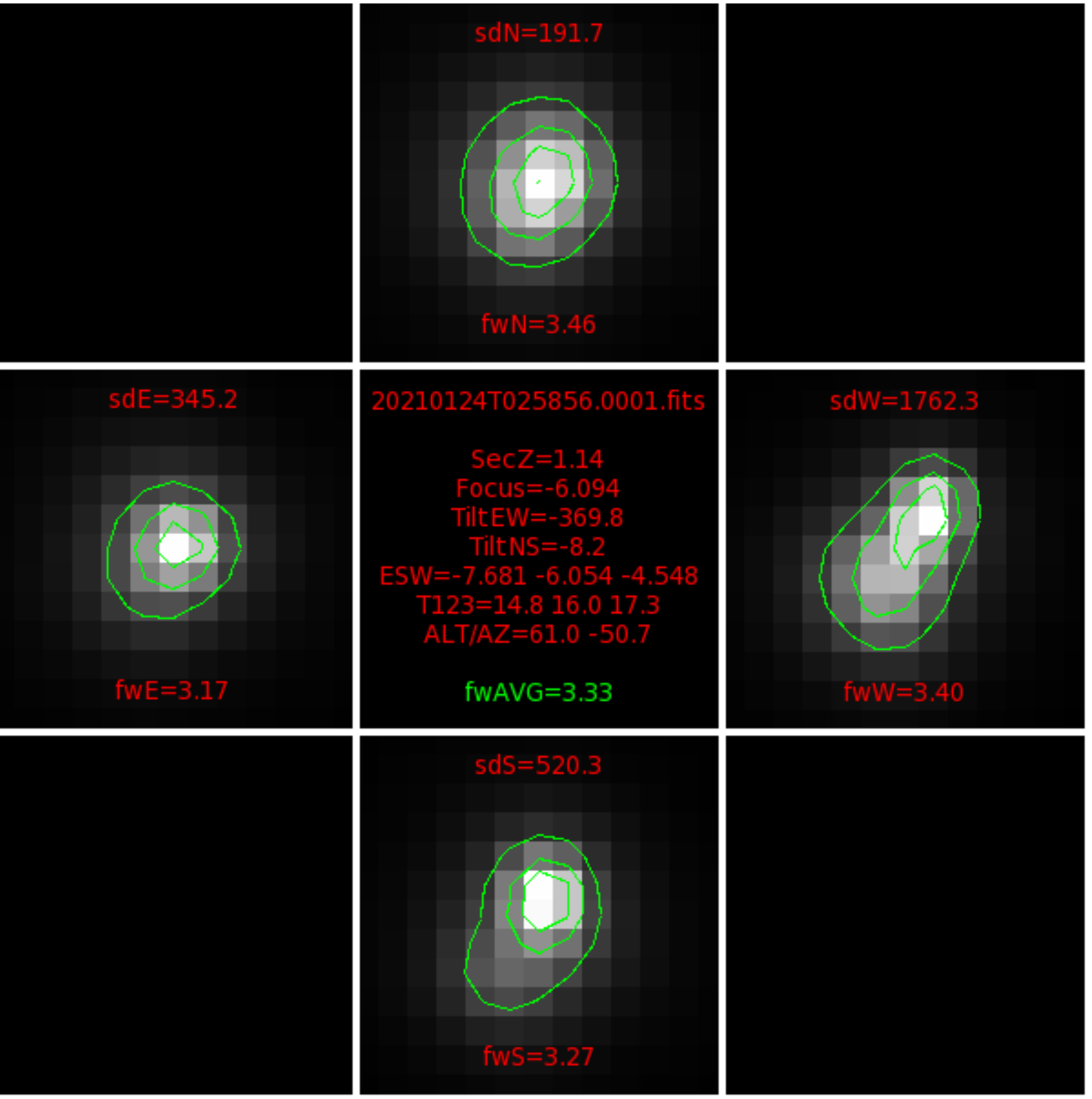
sdN=191.7
fwN=3.46
sdE=345.2
fwE=3.17
20210124T025856.0001.fits
SecZ=1.14
Focus=-6.094
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.681 -6.054 -4.548
T123=14.8 16.0 17.3
ALT/AZ=61.0 -50.7
fwAVG=3.33
sdW=1762.3
fwW=3.40
sdS=520.3
fwS=3.27
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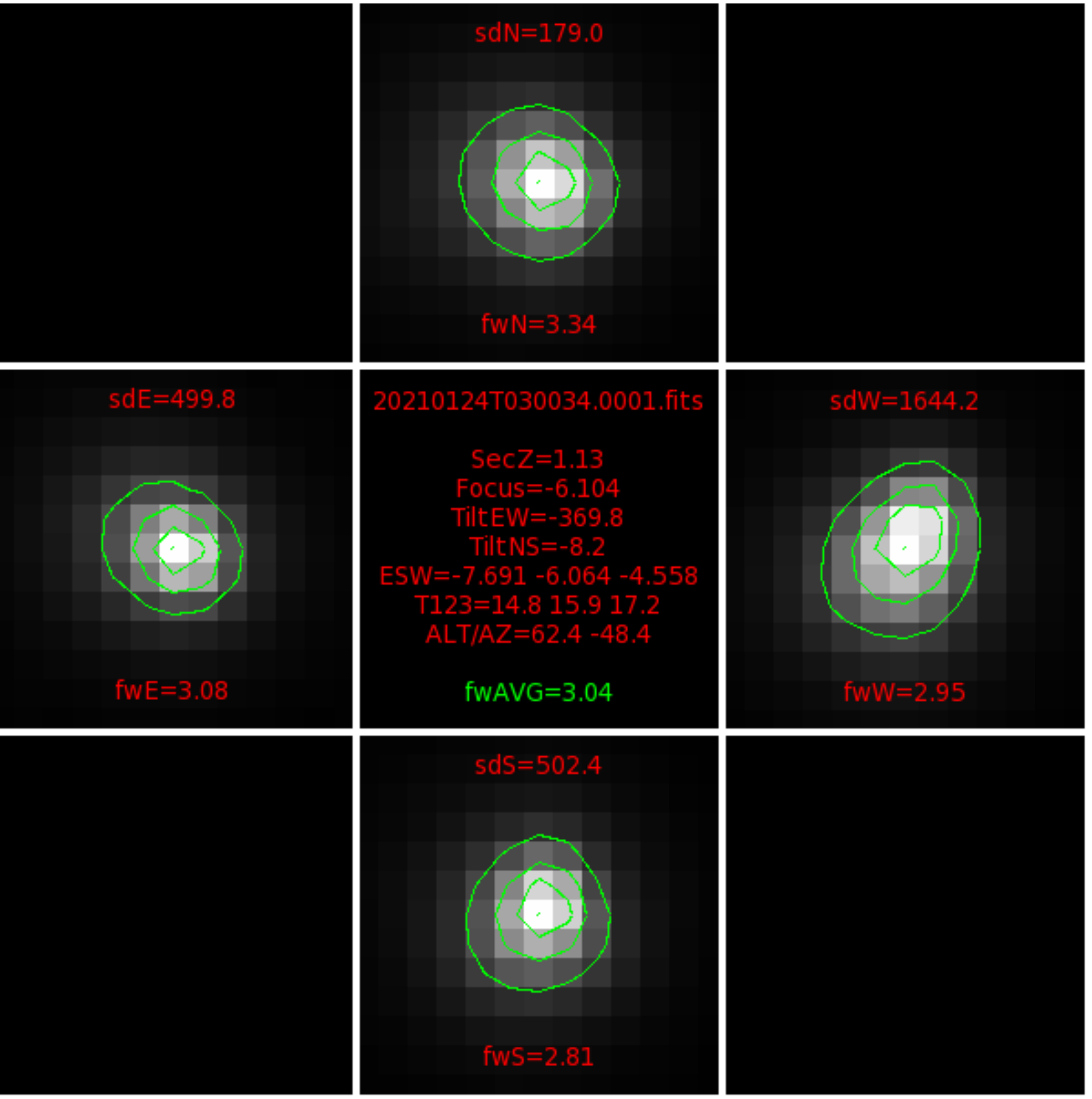
sdN=179.0
fwN=3.34
sdE=499.8
fwE=3.08
20210124T030034.0001.fits
SecZ=1.13
Focus=-6.104
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.691 -6.064 -4.558
T123=14.8 15.9 17.2
ALT/AZ=62.4 -48.4
fwAVG=3.04
sdW=1644.2
fwW=2.95
sdS=502.4
fwS=2.81
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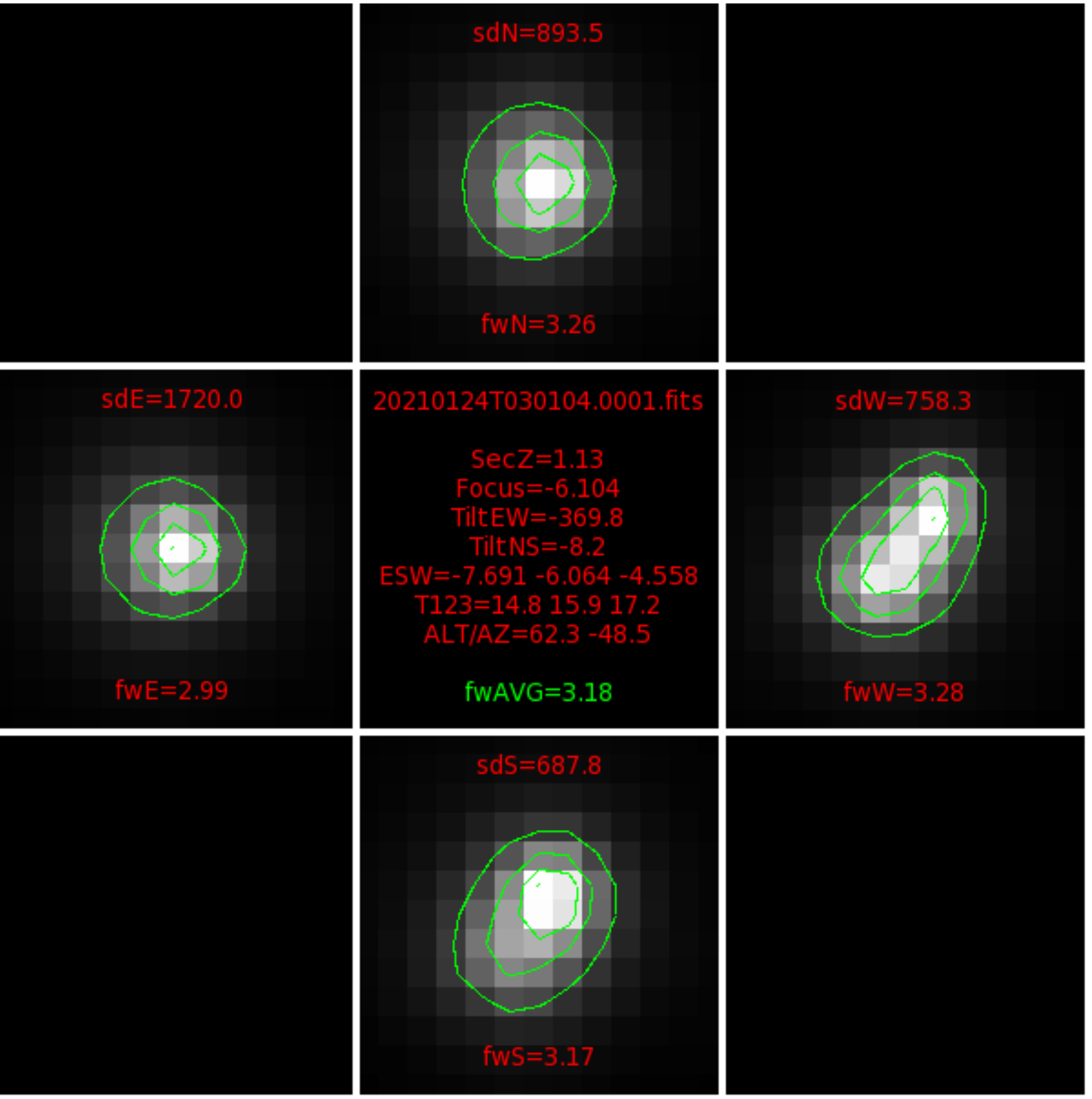
sdN=893.5
fwN=3.26
sdE=1720.0
fwE=2.99
20210124T030104.0001.fits
SecZ=1.13
Focus=-6.104
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.691 -6.064 -4.558
T123=14.8 15.9 17.2
ALT/AZ=62.3 -48.5
fwAVG=3.18
sdW=758.3
fwW=3.28
sdS=687.8
fwS=3.17
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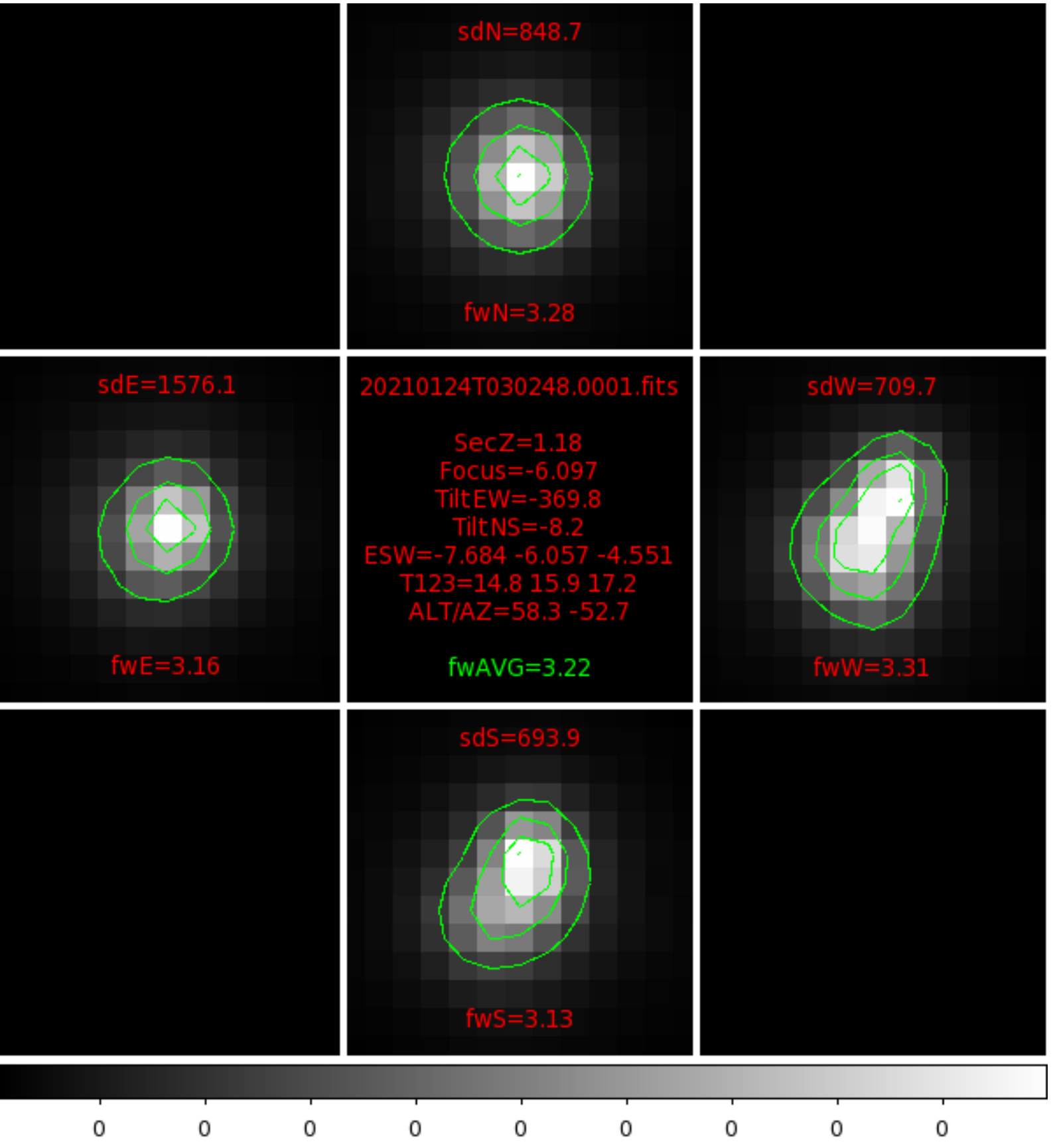
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fwN=3.28
sdE=1576.1
fwE=3.16
20210124T030248.0001.fits
SecZ=1.18
Focus=-6.097
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.684 -6.057 -4.551
T123=14.8 15.9 17.2
ALT/AZ=58.3 -52.7
fwAVG=3.22
sdW=709.7
fwW=3.31
sdS=693.9
fwS=3.13
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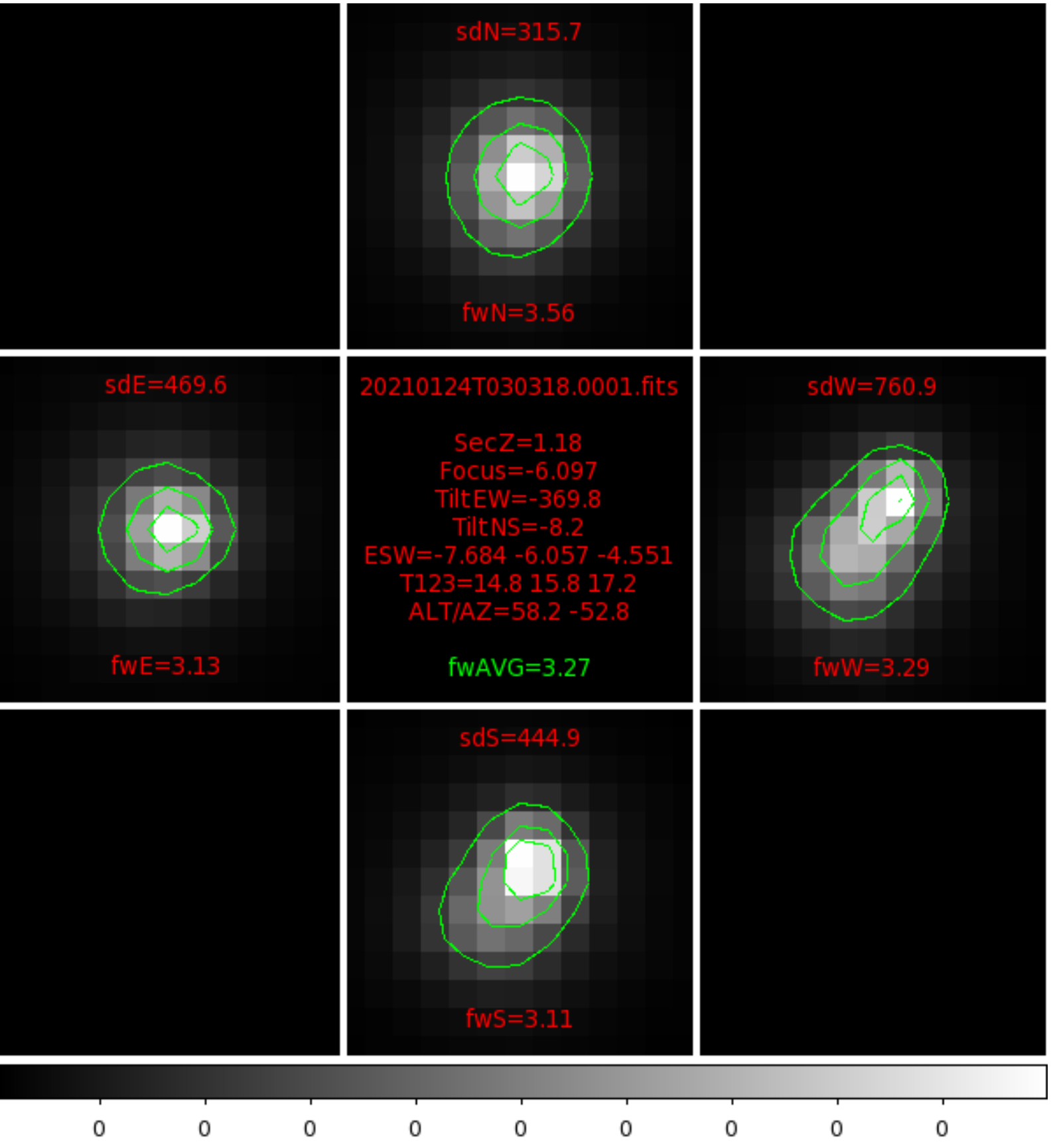
sdN=315.7
fwN=3.56
sdE=469.6
fwE=3.13
20210124T030318.0001.fits
SecZ=1.18
Focus=-6.097
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.684 -6.057 -4.551
T123=14.8 15.8 17.2
ALT/AZ=58.2 -52.8
fwAVG=3.27
sdW=760.9
fwW=3.29
sdS=444.9
fwS=3.11
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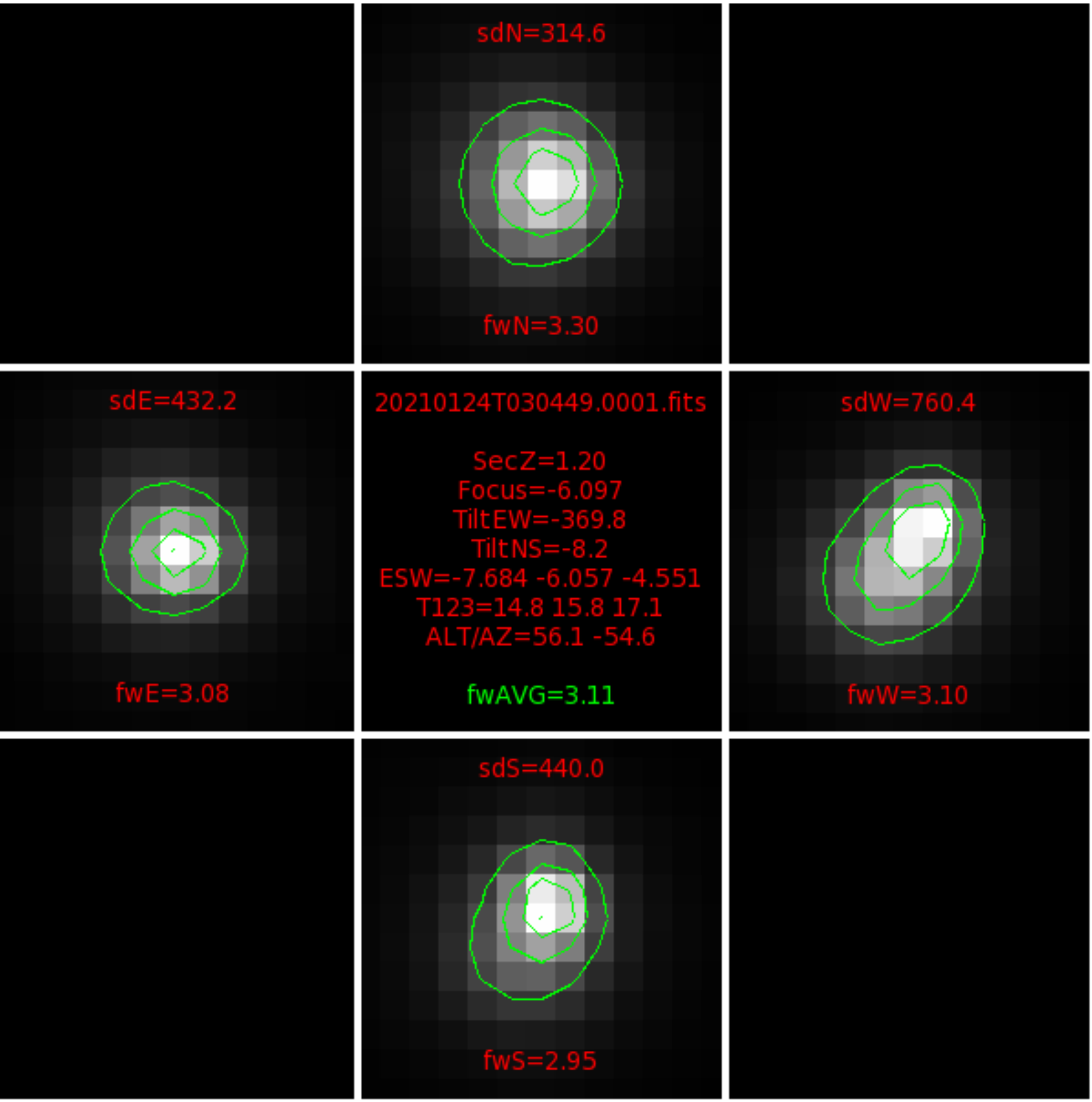
sdN=314.6
fwN=3.30
sdE=432.2
fwE=3.08
20210124T030449.0001.fits
SecZ=1.20
Focus=-6.097
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.684 -6.057 -4.551
T123=14.8 15.8 17.1
ALT/AZ=56.1 -54.6
fwAVG=3.11
sdW=760.4
fwW=3.10
sdS=440.0
fwS=2.95
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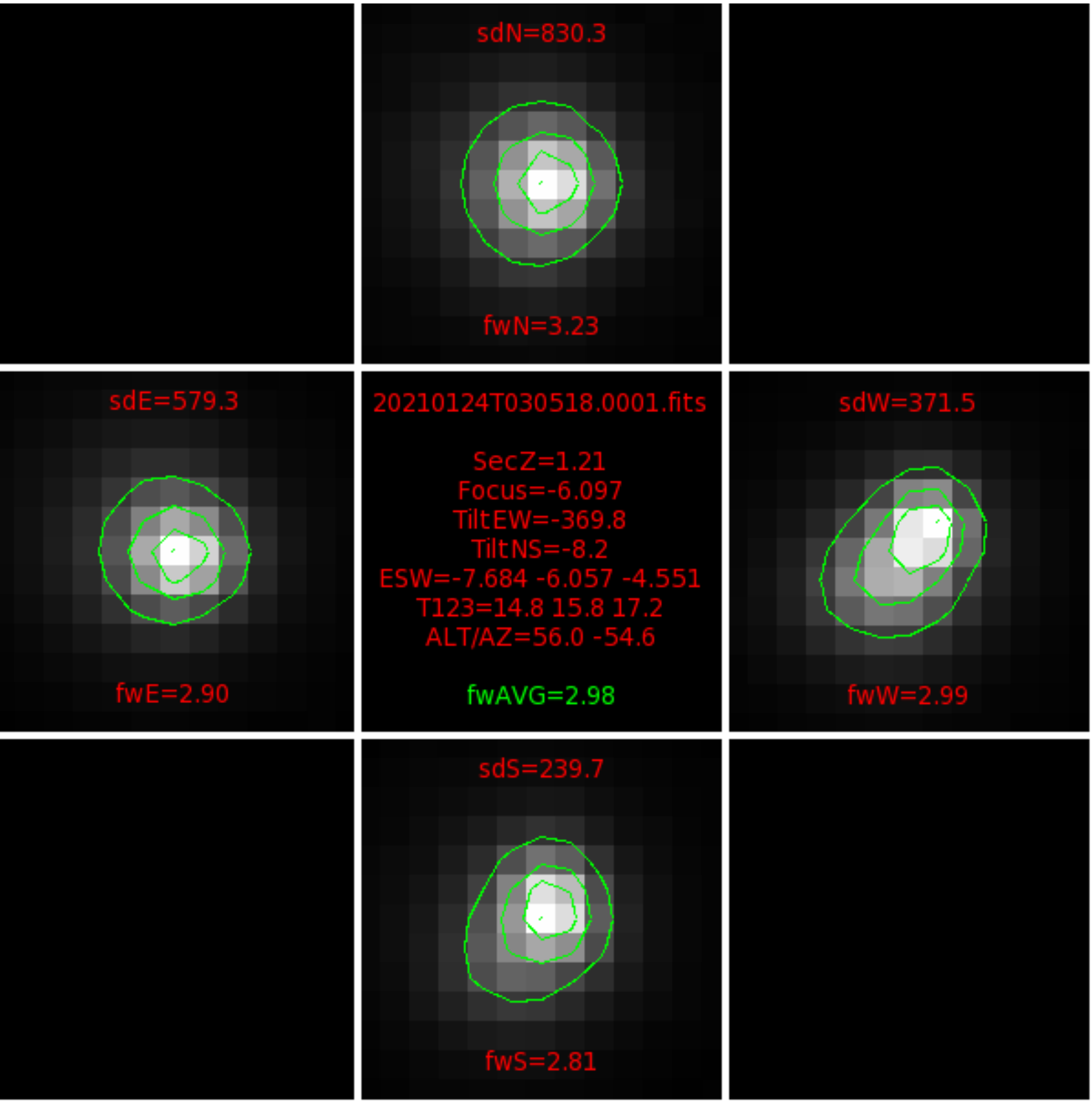
sdN=830.3
fwN=3.23
sdE=579.3
fwE=2.90
20210124T030518.0001.fits
SecZ=1.21
Focus=-6.097
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.684 -6.057 -4.551
T123=14.8 15.8 17.2
ALT/AZ=56.0 -54.6
fwAVG=2.98
sdW=371.5
fwW=2.99
sdS=239.7
fwS=2.81
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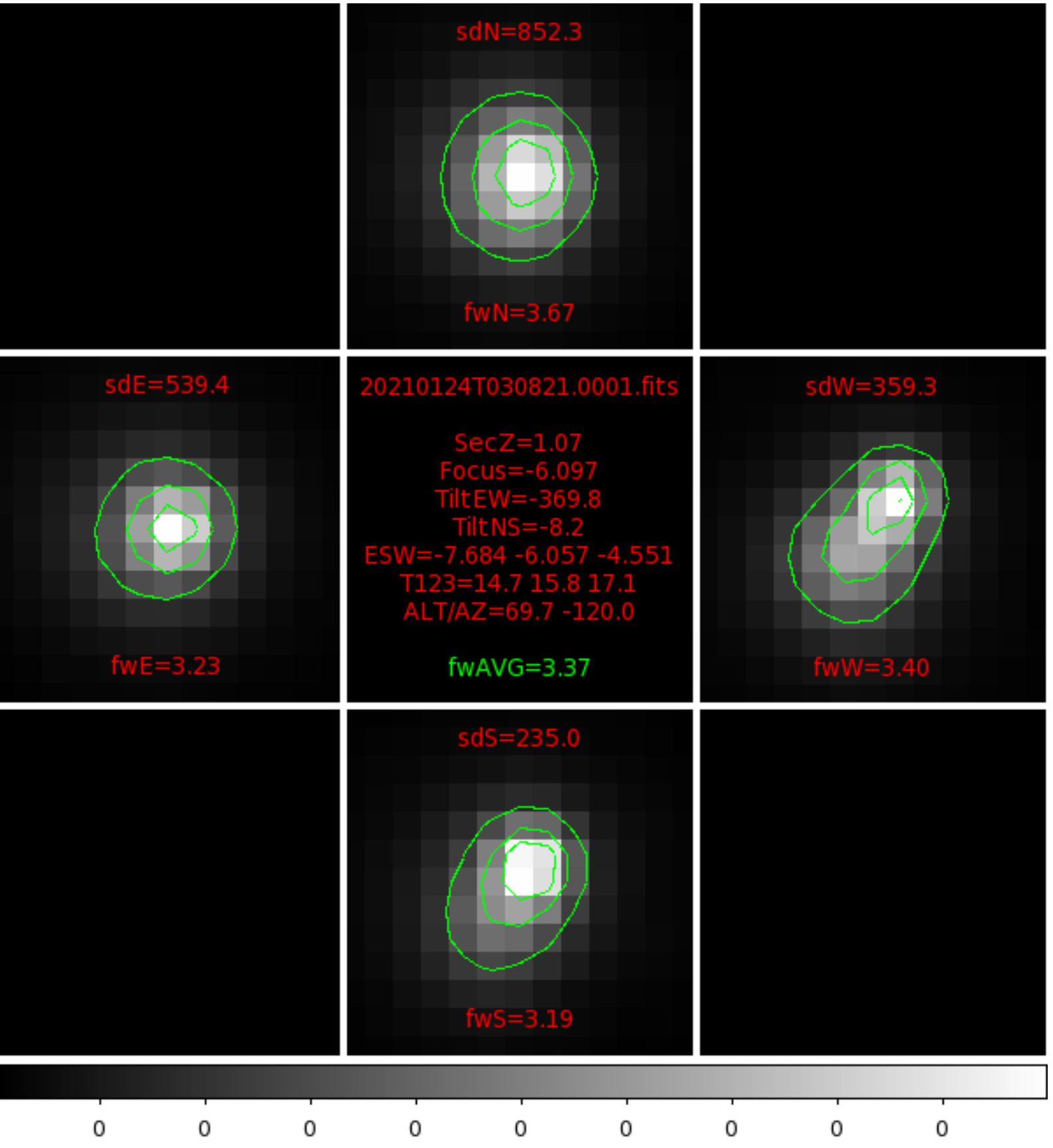
sdN=852.3
fwN=3.67
sdE=539.4
fwE=3.23
20210124T030821.0001.fits
SecZ=1.07
Focus=-6.097
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.684 -6.057 -4.551
T123=14.7 15.8 17.1
ALT/AZ=69.7 -120.0
fwAVG=3.37
sdW=359.3
fwW=3.40
sdS=235.0
fwS=3.19
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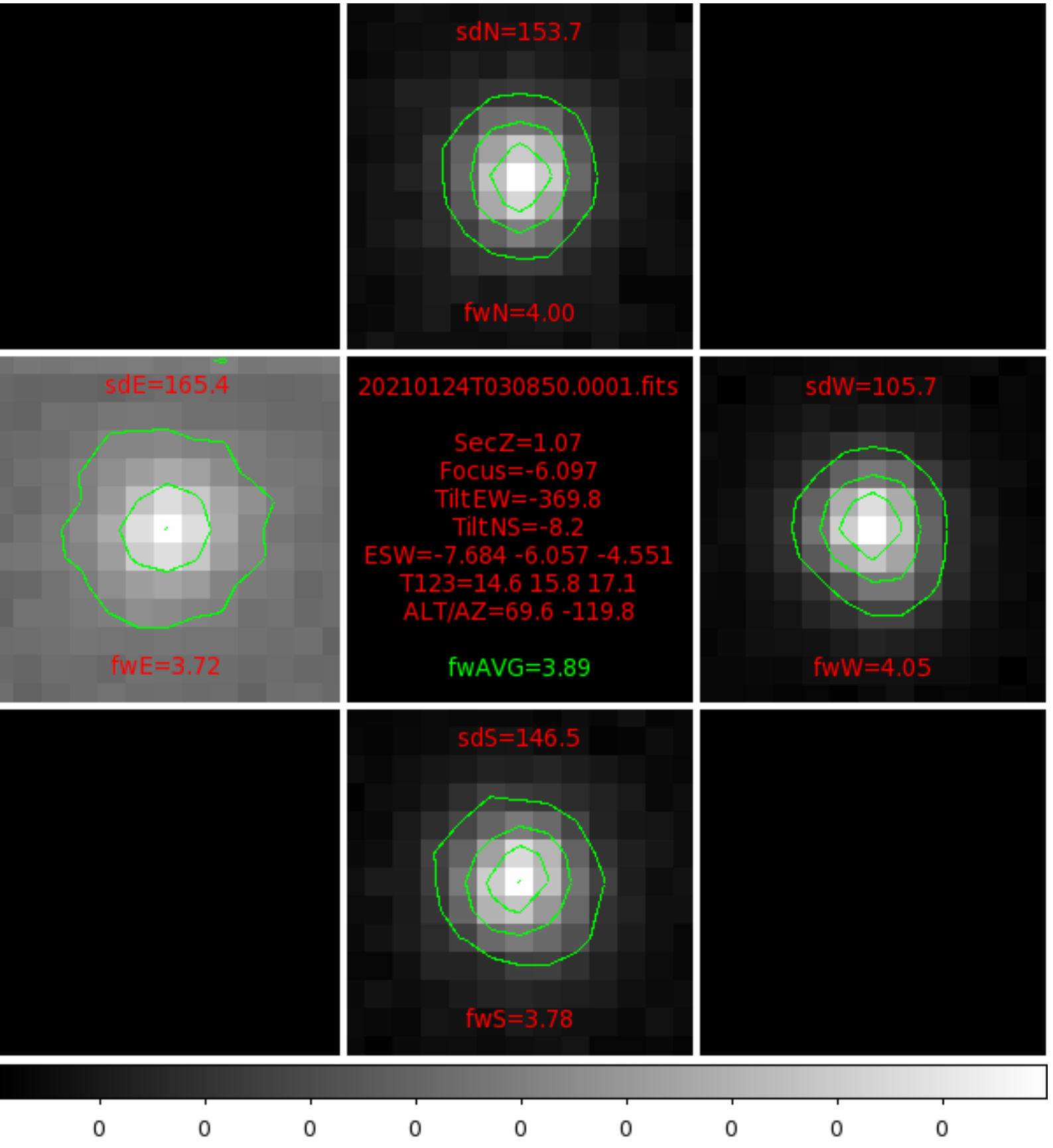
sdN=153.7
fwN=4.00
sdE=165.4
fwE=3.72
20210124T030850.0001.fits
SecZ=1.07
Focus=-6.097
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.684 -6.057 -4.551
T123=14.6 15.8 17.1
ALT/AZ=69.6 -119.8
fwAVG=3.89
sdW=105.7
fwW=4.05
sdS=146.5
fwS=3.78
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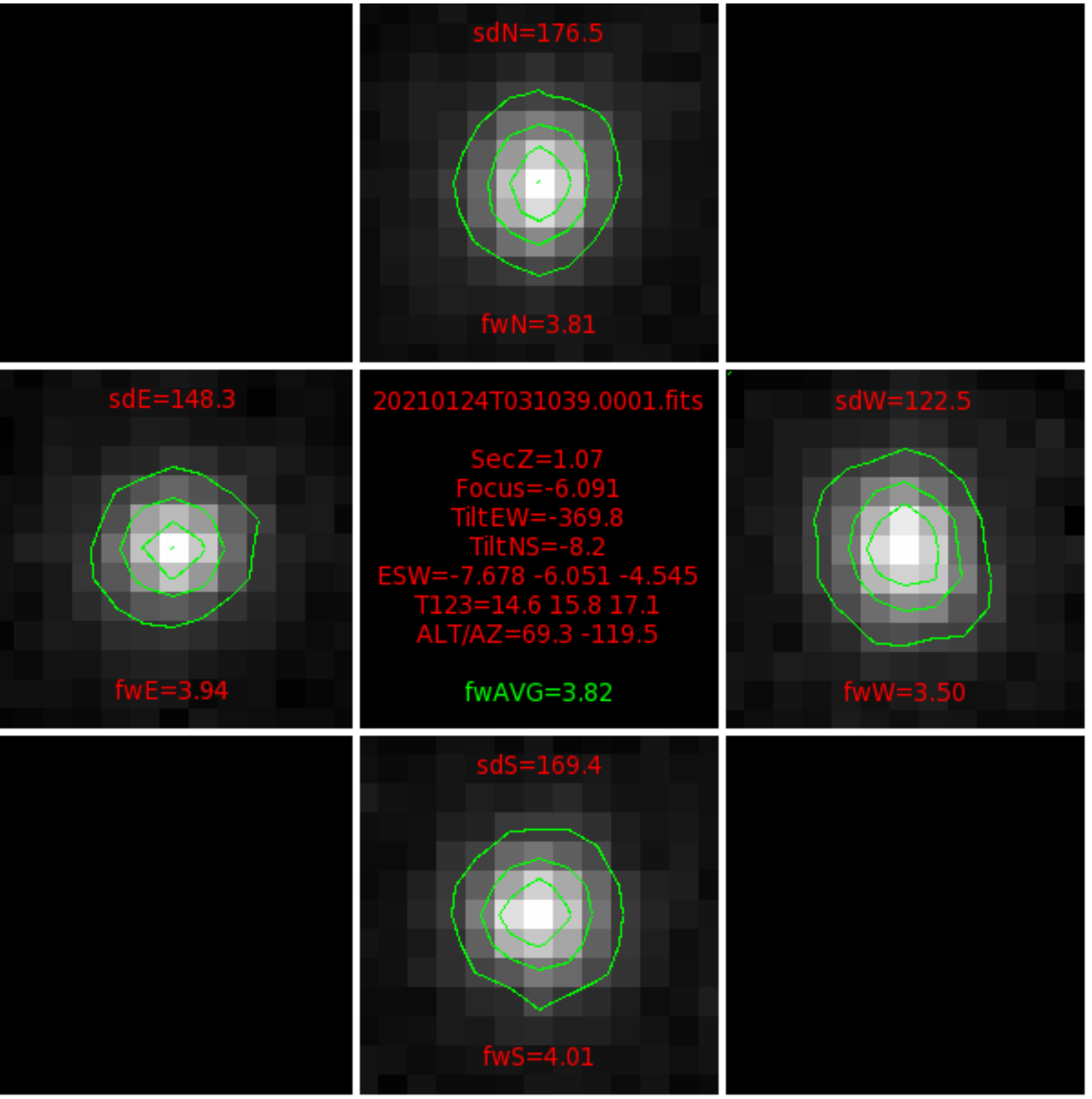
sdN=176.5
fwN=3.81
sdE=148.3
fwE=3.94
20210124T031039.0001.fits
SecZ=1.07
Focus=-6.091
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.678 -6.051 -4.545
T123=14.6 15.8 17.1
ALT/AZ=69.3 -119.5
fwAVG=3.82
sdW=122.5
fwW=3.50
sdS=169.4
fwS=4.01
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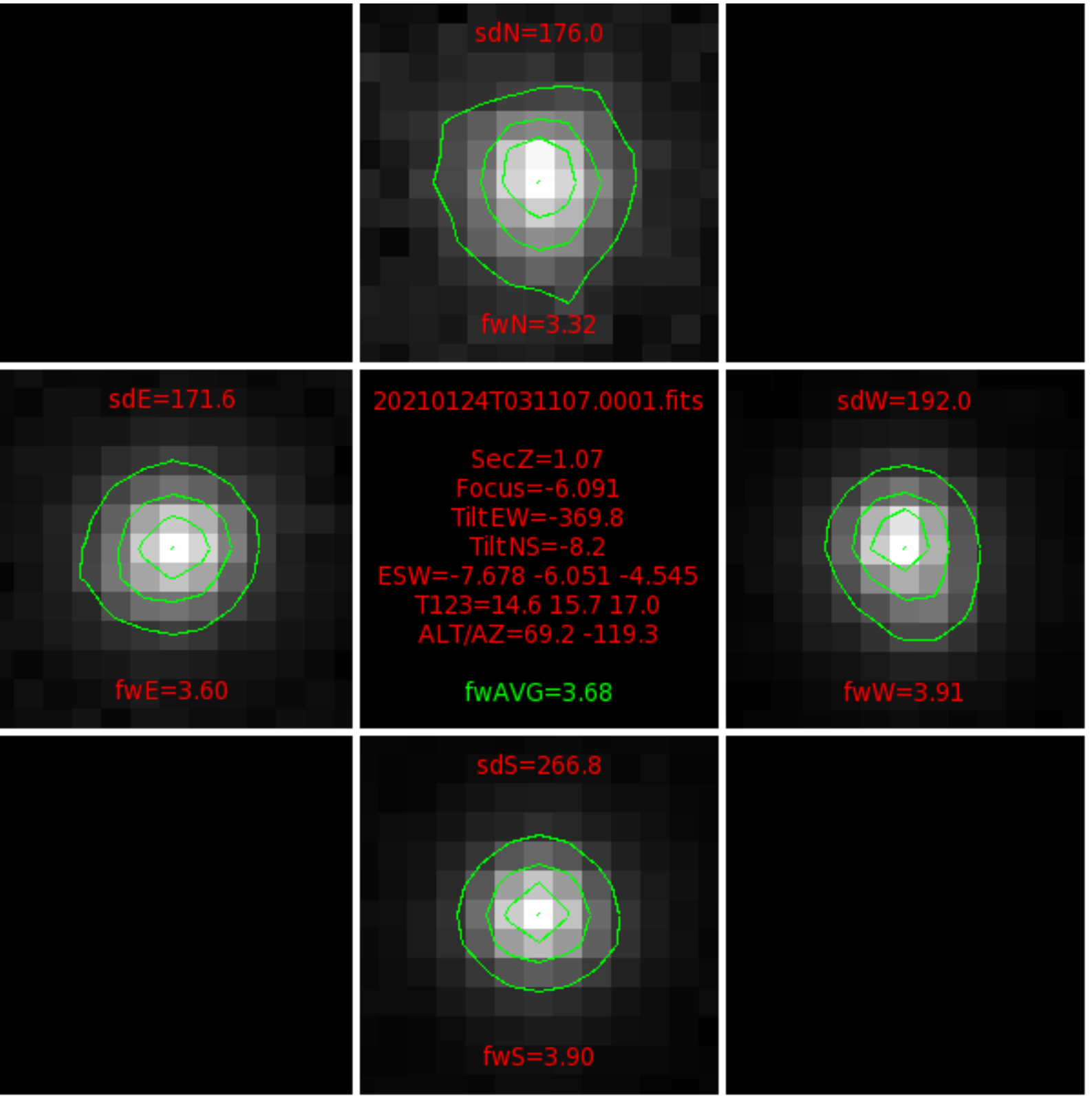
sdN=176.0
fwN=3.32
sdE=171.6
fwE=3.60
20210124T031107.0001.fits
SecZ=1.07
Focus=-6.091
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.678 -6.051 -4.545
T123=14.6 15.7 17.0
ALT/AZ=69.2 -119.3
fwAVG=3.68
sdW=192.0
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sdS=266.8
fwS=3.90
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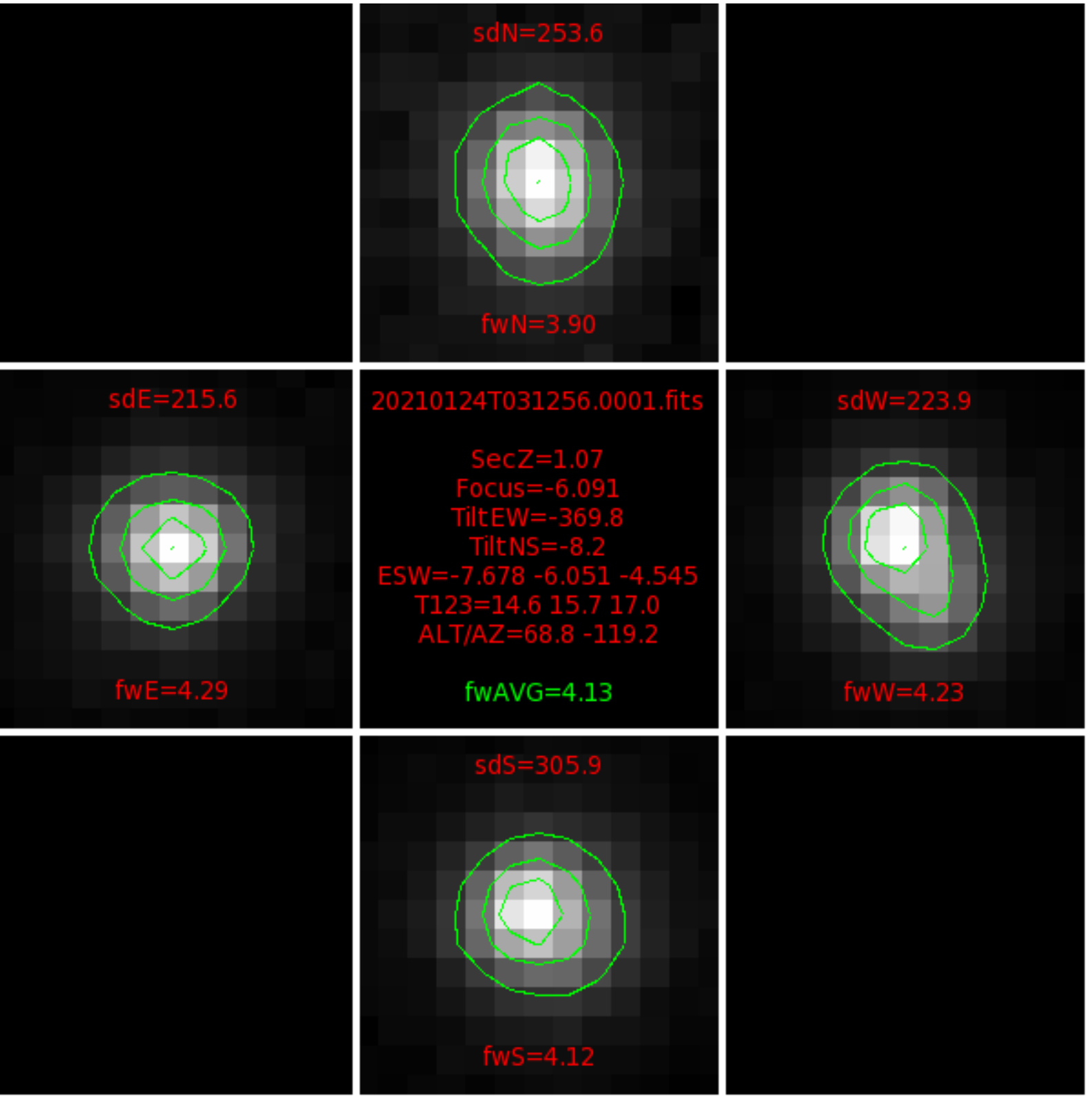
sdN=253.6
fwN=3.90
sdE=215.6
fwE=4.29
20210124T031256.0001.fits
SecZ=1.07
Focus=-6.091
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.678 -6.051 -4.545
T123=14.6 15.7 17.0
ALT/AZ=68.8 -119.2
fwAVG=4.13
sdW=223.9
fwW=4.23
sdS=305.9
fwS=4.12
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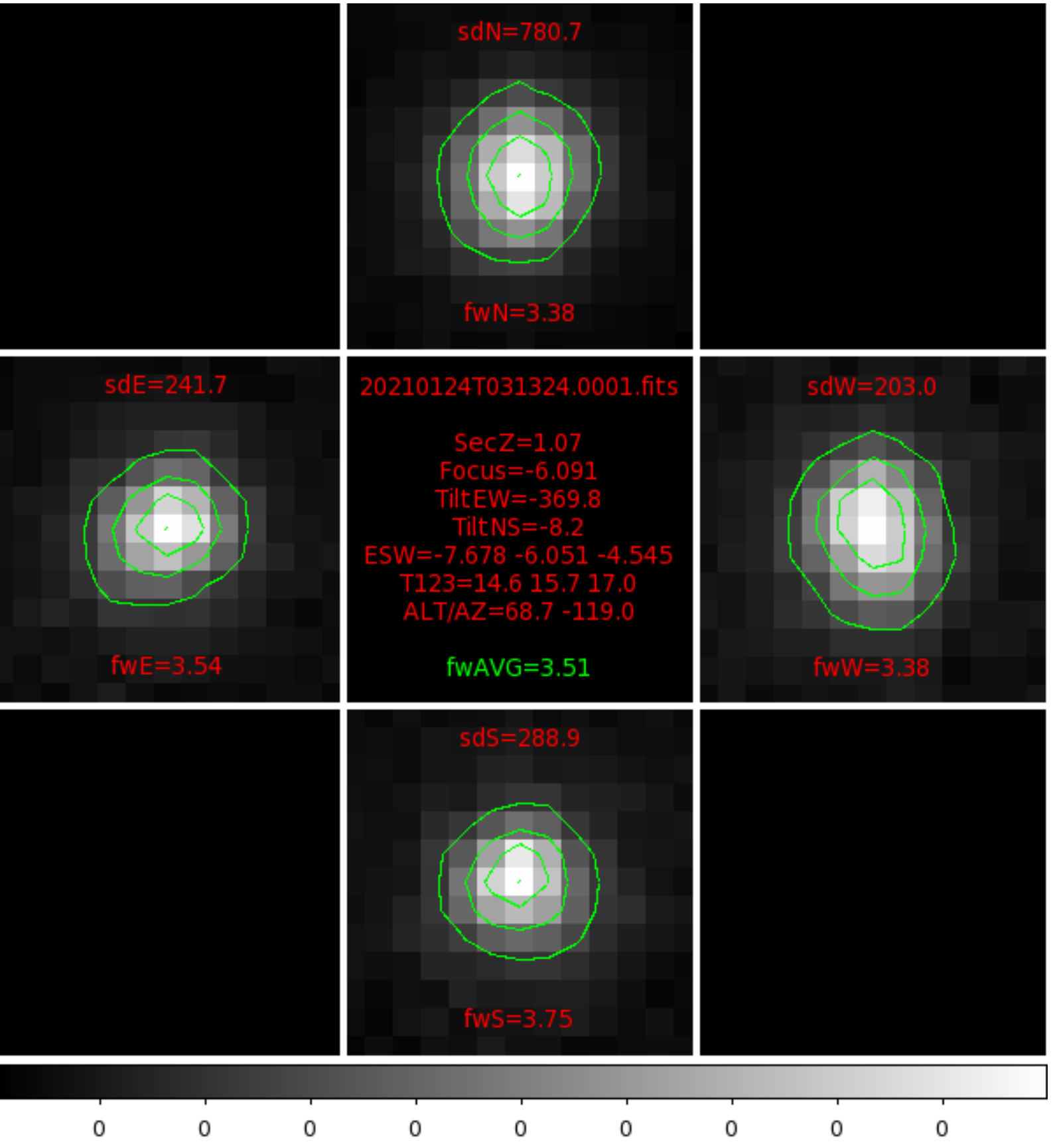
sdN=780.7
fwN=3.38
sdE=241.7
fwE=3.54
20210124T031324.0001.fits
SecZ=1.07
Focus=-6.091
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.678 -6.051 -4.545
T123=14.6 15.7 17.0
ALT/AZ=68.7 -119.0
fwAVG=3.51
sdW=203.0
fwW=3.38
sdS=288.9
fwS=3.75
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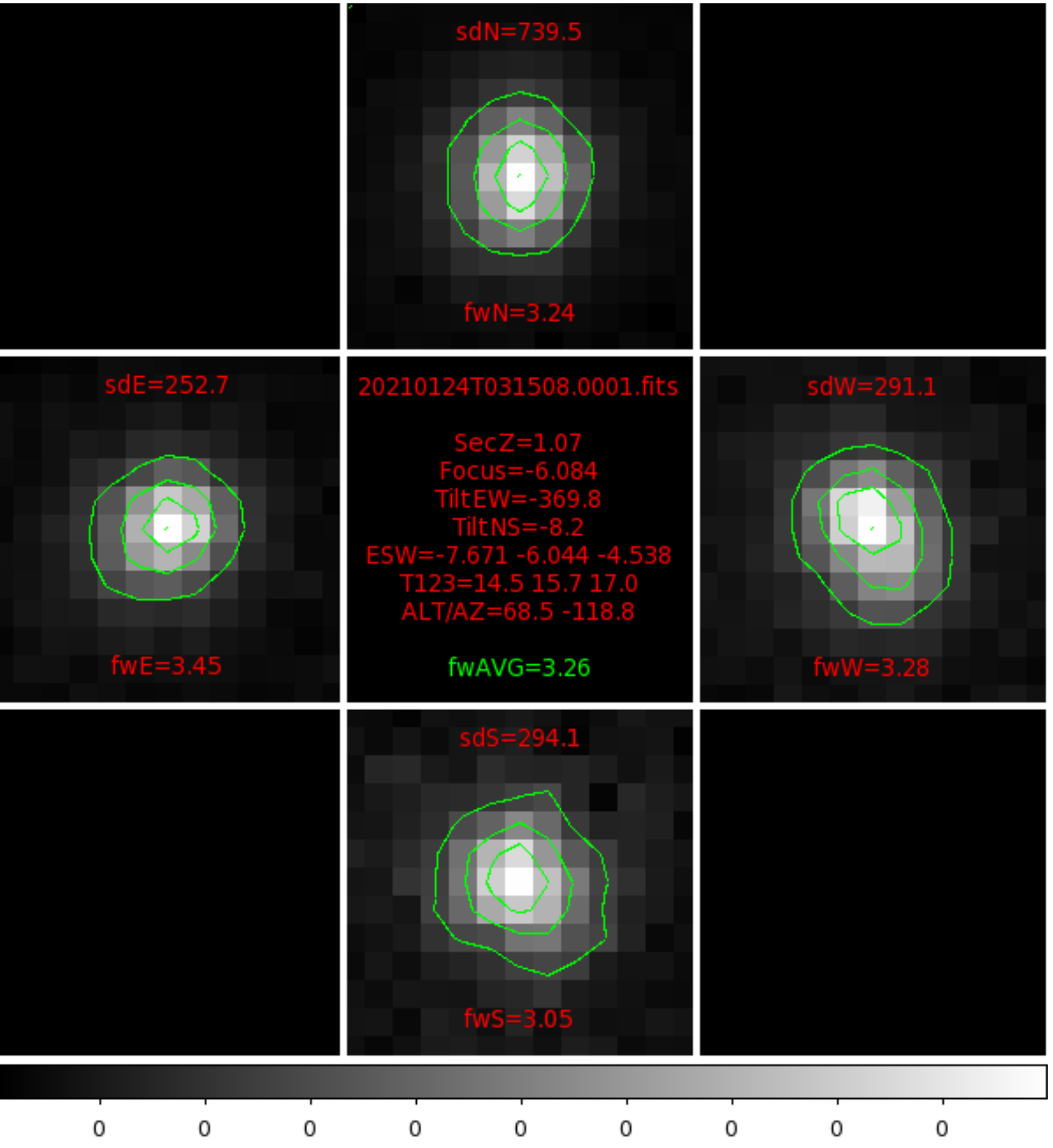
sdN=739.5
fwN=3.24
sdE=252.7
fwE=3.45
20210124T031508.0001.fits
SecZ=1.07
Focus=-6.084
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.671 -6.044 -4.538
T123=14.5 15.7 17.0
ALT/AZ=68.5 -118.8
fwAVG=3.26
sdW=291.1
fwW=3.28
sdS=294.1
fwS=3.05
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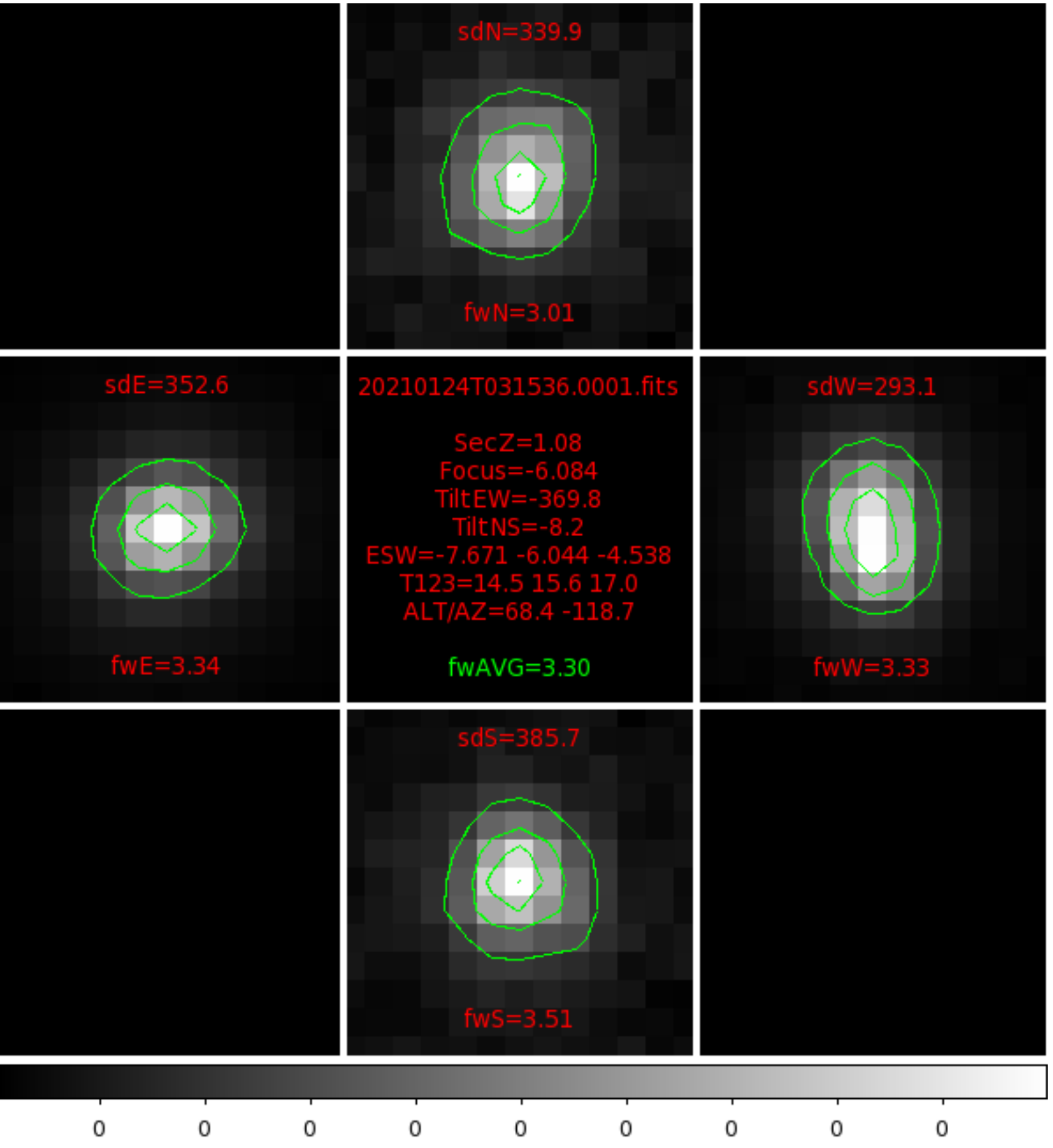
sdN=339.9
fwN=3.01
sdE=352.6
fwE=3.34
20210124T031536.0001.fits
SecZ=1.08
Focus=-6.084
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.671 -6.044 -4.538
T123=14.5 15.6 17.0
ALT/AZ=68.4 -118.7
fwAVG=3.30
sdW=293.1
fwW=3.33
sdS=385.7
fwS=3.51
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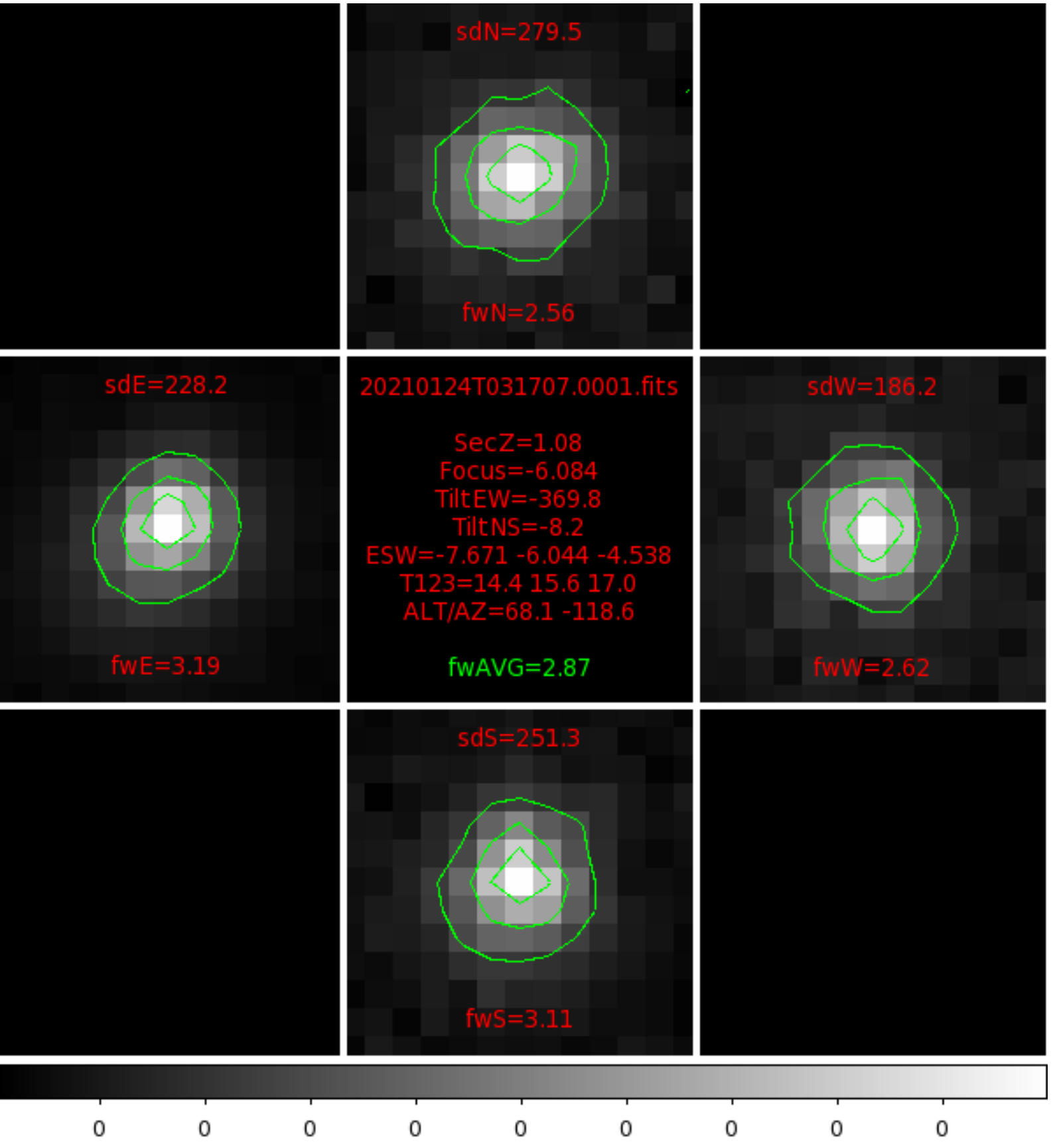
sdN=279.5
fwN=2.56
sdE=228.2
fwE=3.19
20210124T031707.0001.fits
SecZ=1.08
Focus=-6.084
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.671 -6.044 -4.538
T123=14.4 15.6 17.0
ALT/AZ=68.1 -118.6
fwAVG=2.87
sdW=186.2
fwW=2.62
sdS=251.3
fwS=3.11
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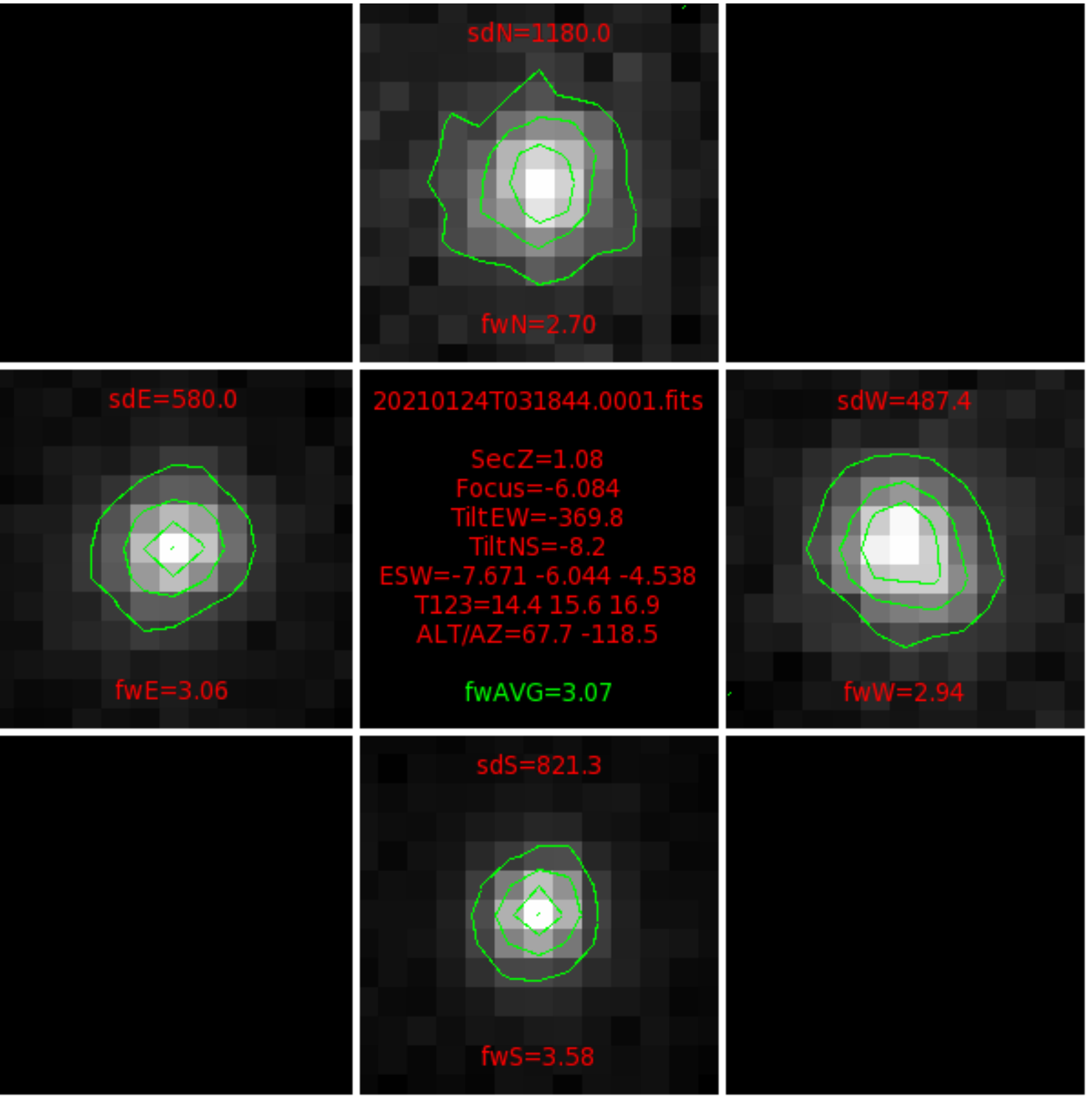
sdN=1180.0
fwN=2.70
sdE=580.0
fwE=3.06
20210124T031844.0001.fits
SecZ=1.08
Focus=-6.084
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.671 -6.044 -4.538
T123=14.4 15.6 16.9
ALT/AZ=67.7 -118.5
fwAVG=3.07
sdW=487.4
fwW=2.94
sdS=821.3
fwS=3.58
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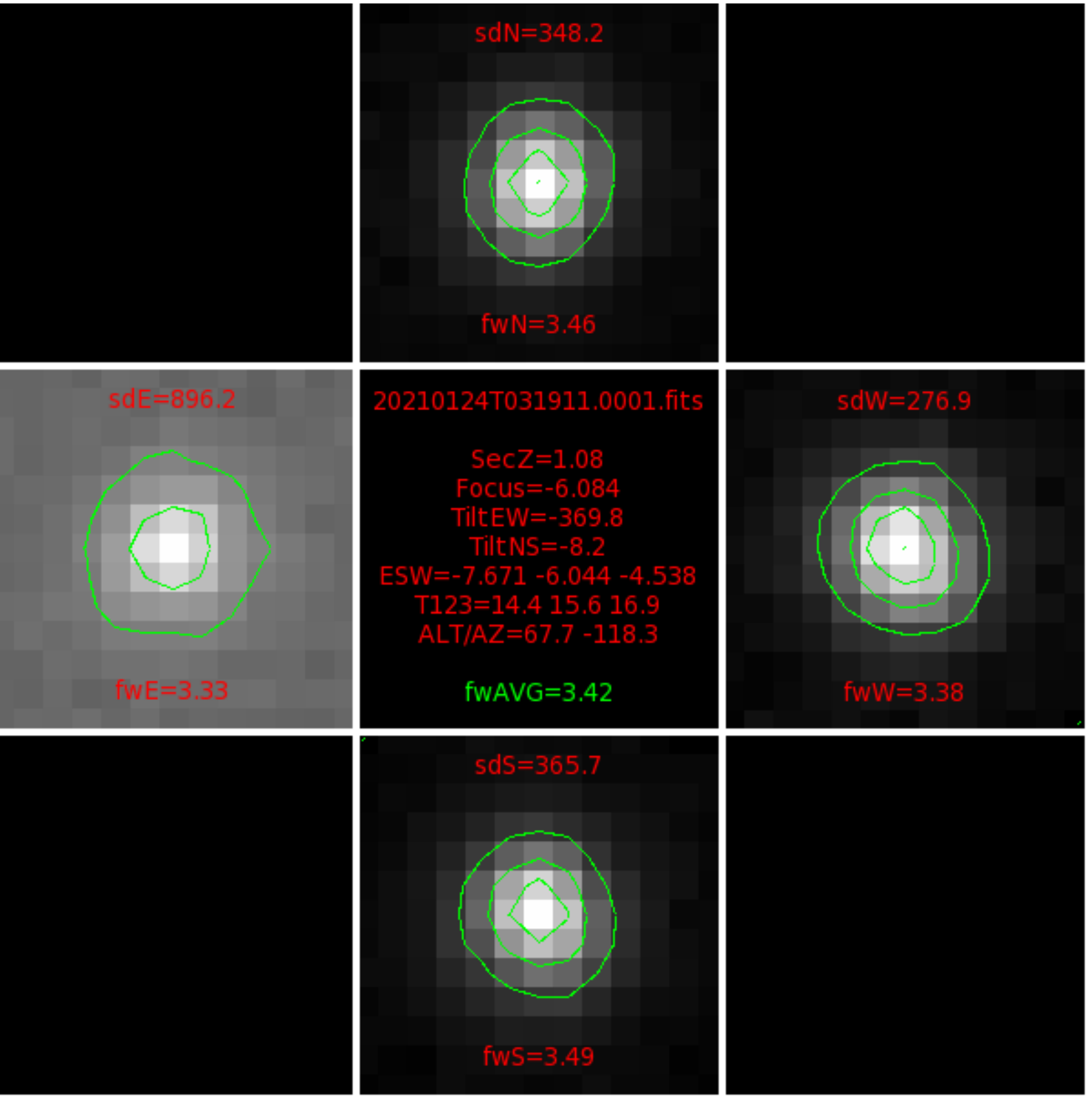
sdN=348.2
fwN=3.46
sdE=896.2
fwE=3.33
20210124T031911.0001.fits
SecZ=1.08
Focus=-6.084
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.671 -6.044 -4.538
T123=14.4 15.6 16.9
ALT/AZ=67.7 -118.3
fwAVG=3.42
sdW=276.9
fwW=3.38
sdS=365.7
fwS=3.49
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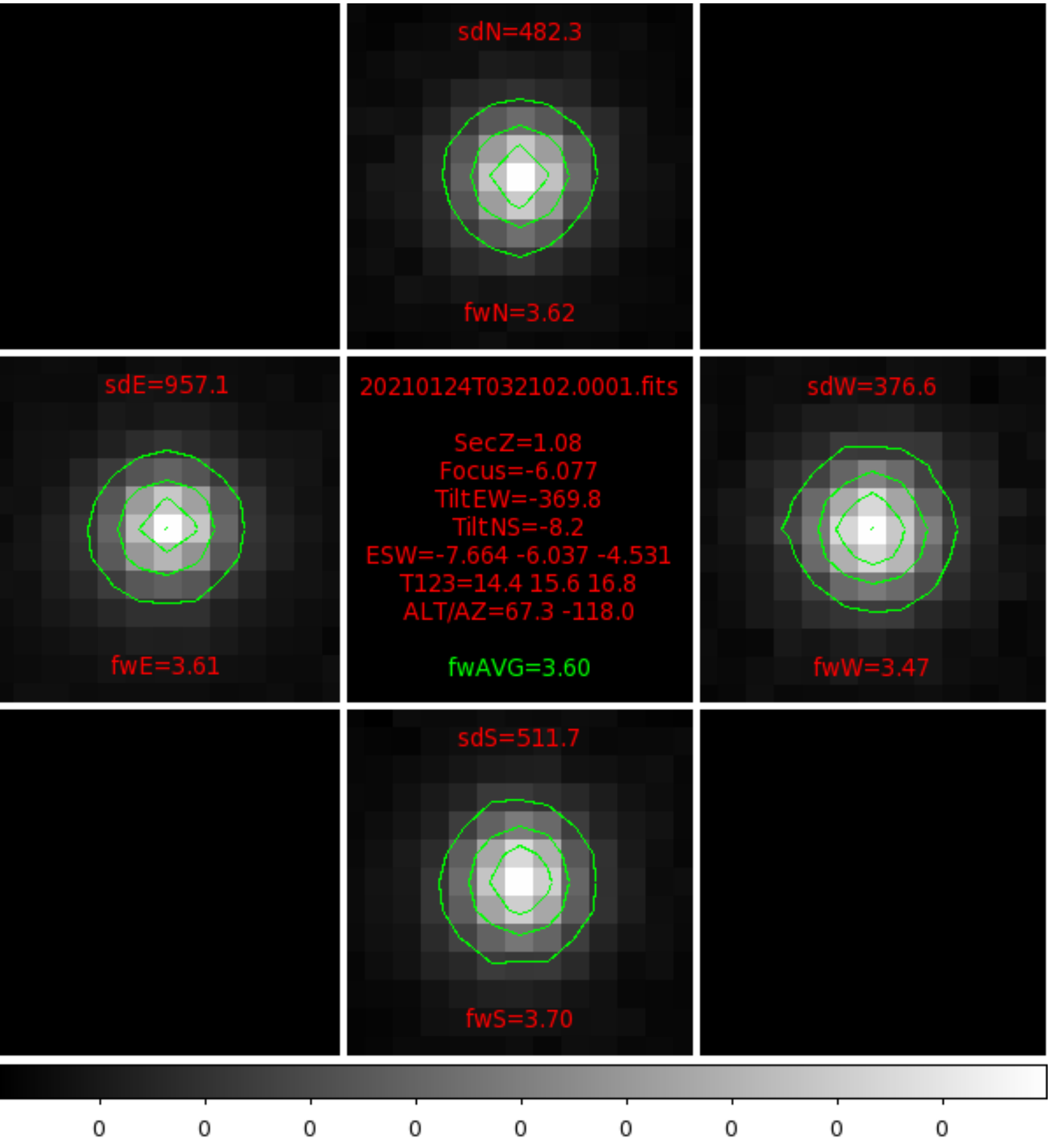
sdN=482.3
fwN=3.62
sdE=957.1
fwE=3.61
20210124T032102.0001.fits
SecZ=1.08
Focus=-6.077
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.664 -6.037 -4.531
T123=14.4 15.6 16.8
ALT/AZ=67.3 -118.0
fwAVG=3.60
sdW=376.6
fwW=3.47
sdS=511.7
fwS=3.70
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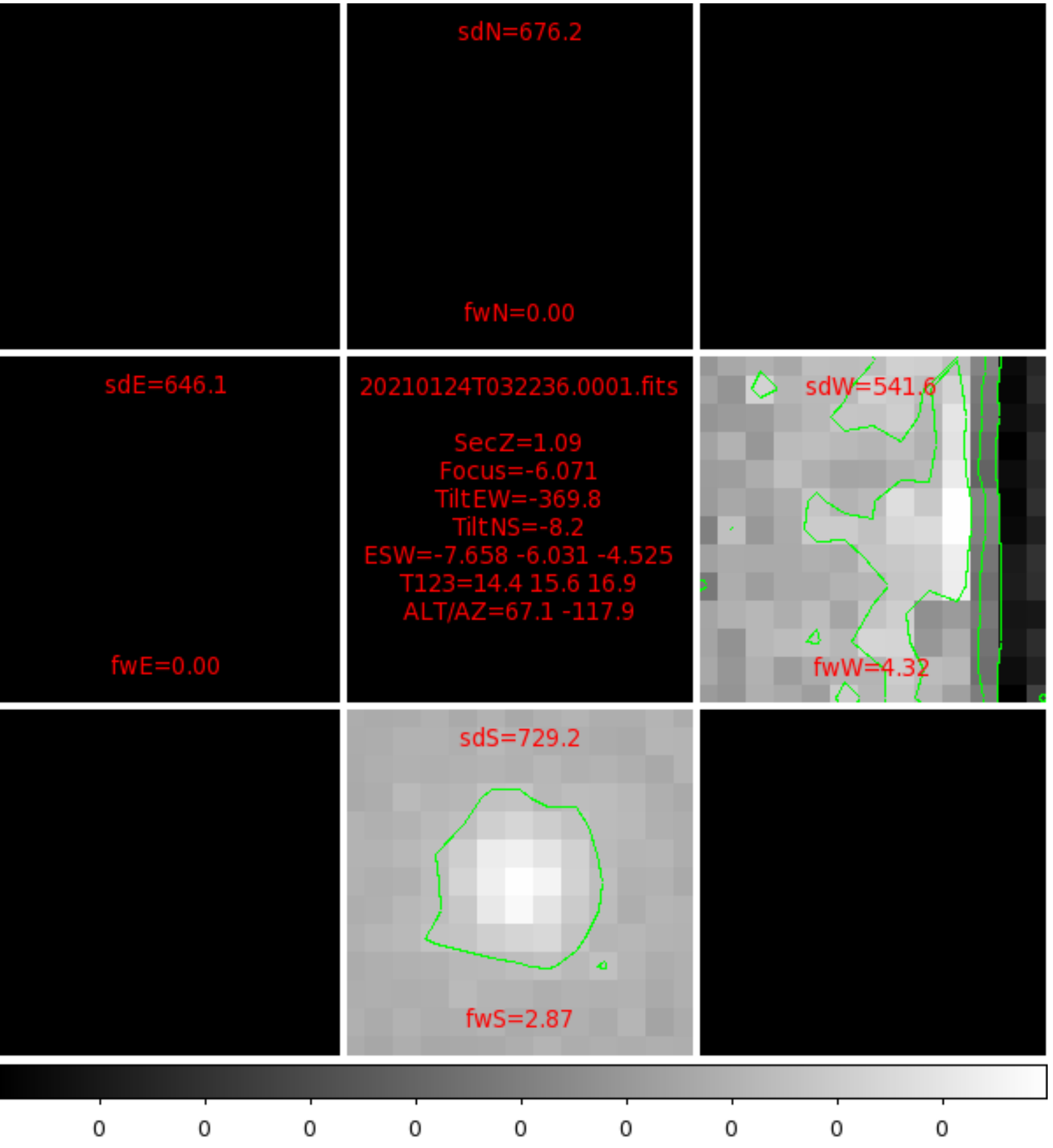
sdN=676.2
fwN=0.00
sdE=646.1
fwE=0.00
20210124T032236.0001.fits
SecZ=1.09
Focus=-6.071
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.658 -6.031 -4.525
T123=14.4 15.6 16.9
ALT/AZ=67.1 -117.9
sdW=541.6
fwW=4.32
sdS=729.2
fwS=2.87
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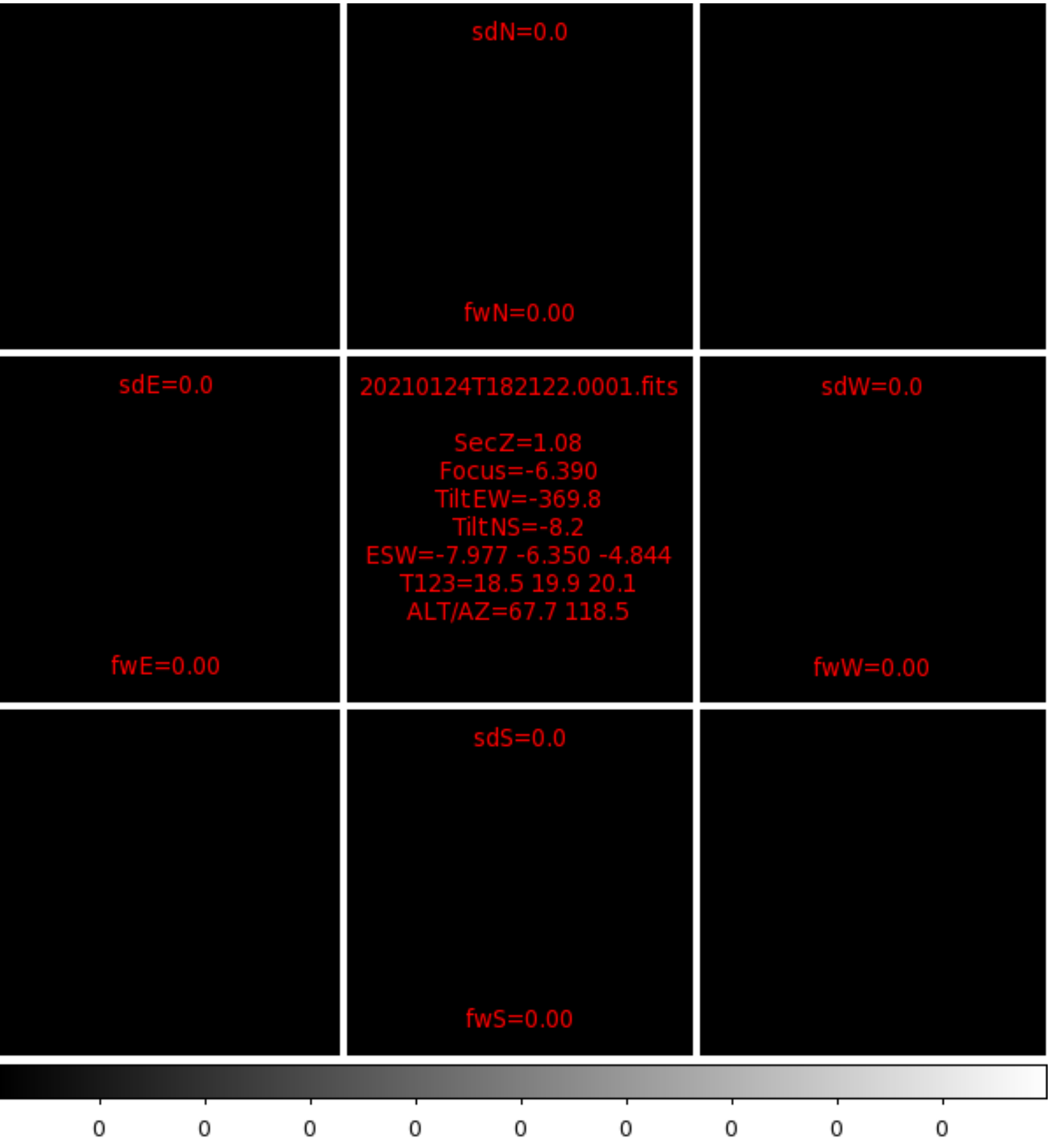
sdN=0.0
fwN=0.00
sdE=0.0
20210124T182122.0001.fits
SecZ=1.08
Focus=-6.390
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.977 -6.350 -4.844
T123=18.5 19.9 20.1
ALT/AZ=67.7 118.5
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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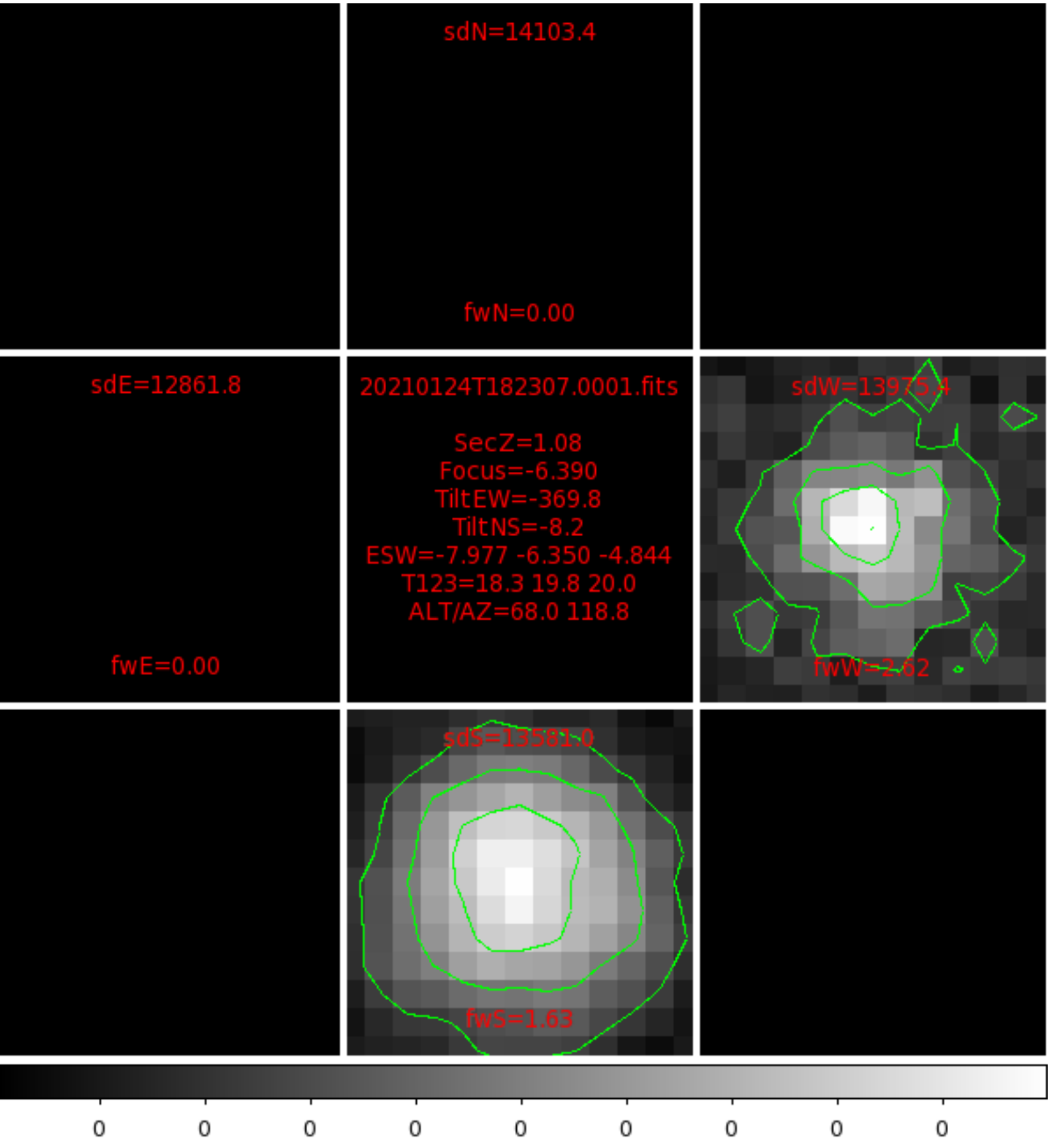
sdN=14103.4
fwN=0.00
sdE=12861.8
fwE=0.00
20210124T182307.0001.fits
SecZ=1.08
Focus=-6.390
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.977 -6.350 -4.844
T123=18.3 19.8 20.0
ALT/AZ=68.0 118.8
sdW=13975.4
fwW=2.62
sdS=13581.0
fwS=1.63
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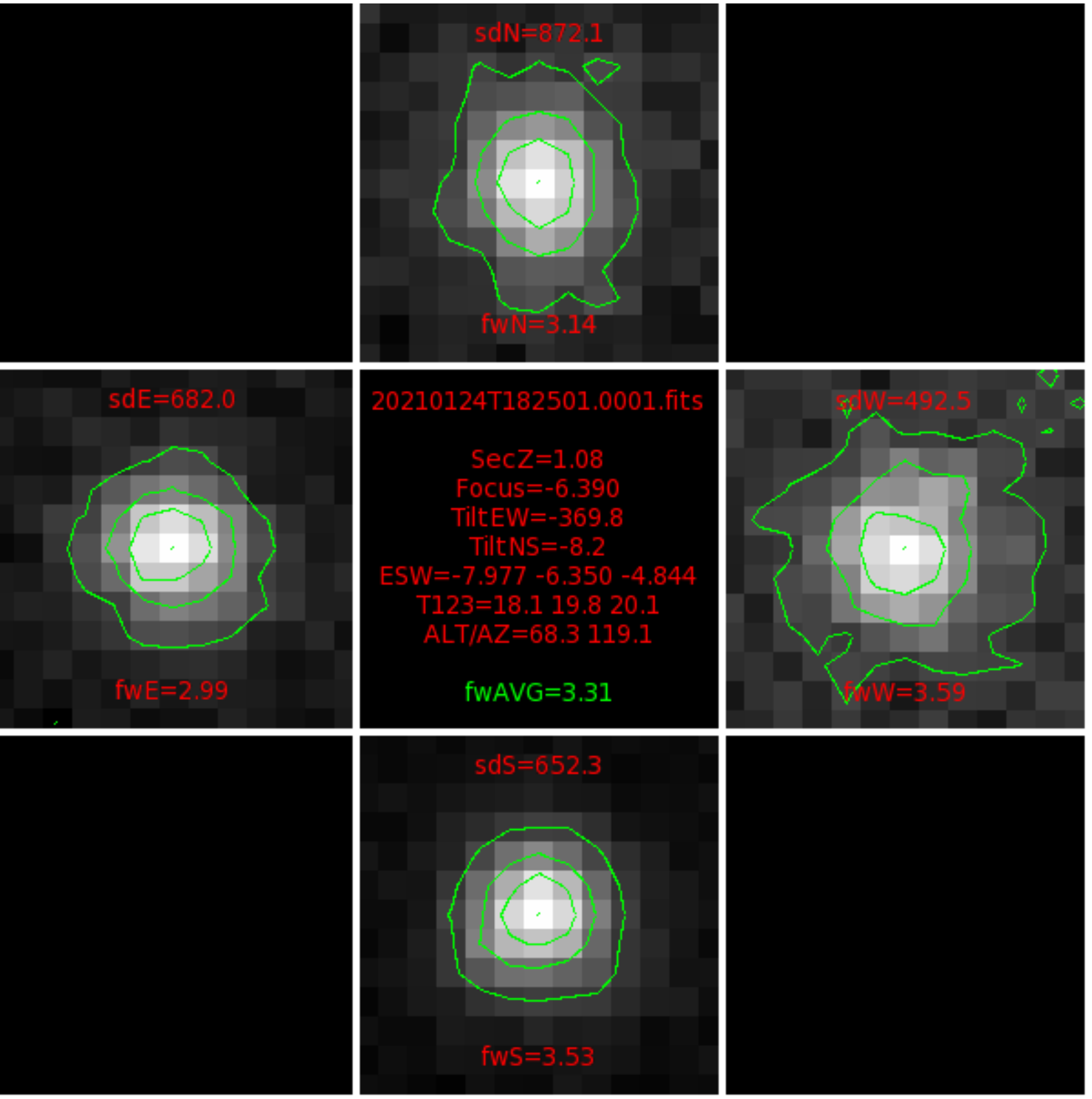
sdN=872.1
fwN=3.14
sdE=682.0
fwE=2.99
20210124T182501.0001.fits
SecZ=1.08
Focus=-6.390
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.977 -6.350 -4.844
T123=18.1 19.8 20.1
ALT/AZ=68.3 119.1
fwAVG=3.31
sdW=492.5
fwW=3.59
sdS=652.3
fwS=3.53
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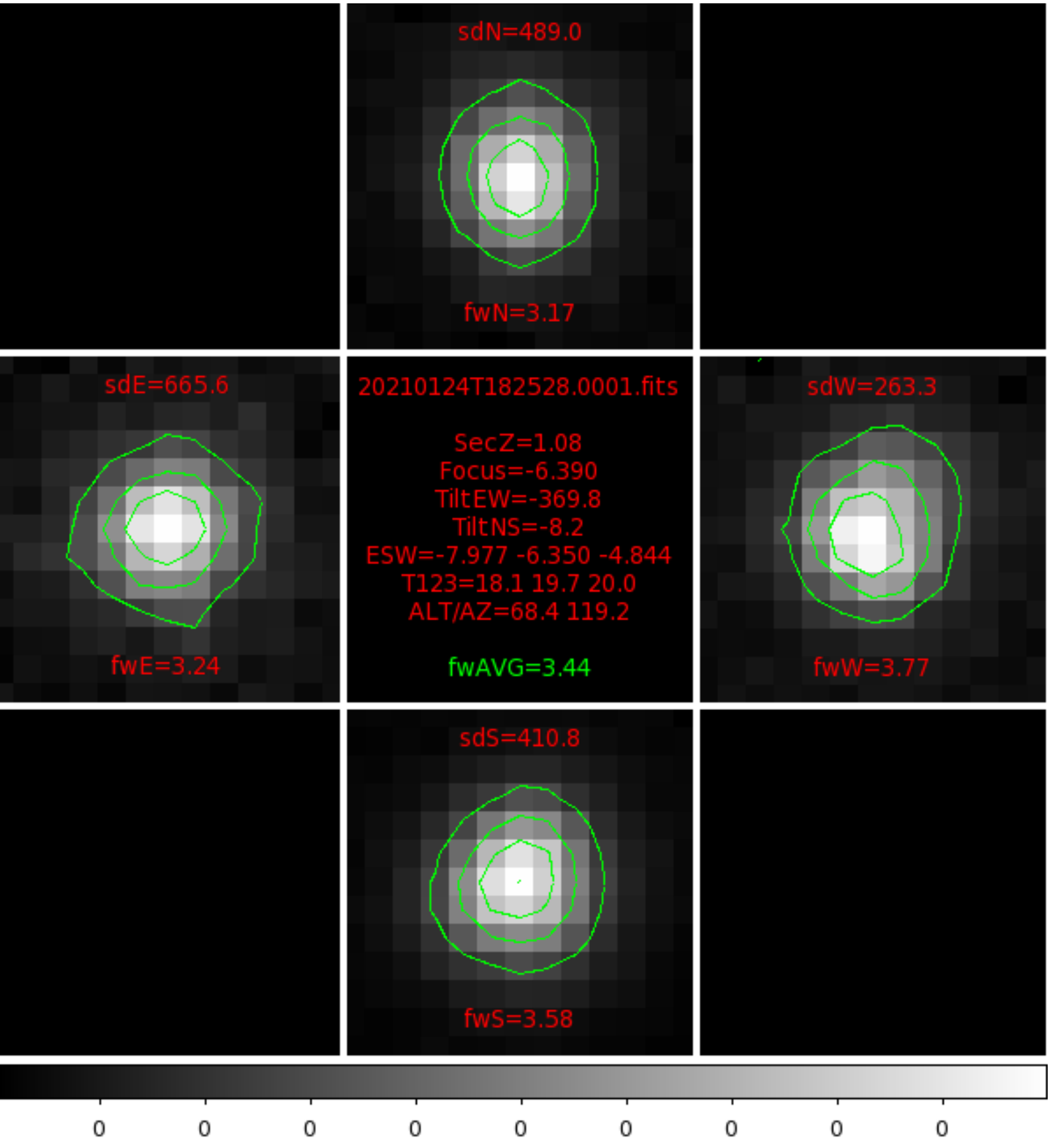
sdN=489.0
fwN=3.17
sdE=665.6
fwE=3.24
20210124T182528.0001.fits
SecZ=1.08
Focus=-6.390
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.977 -6.350 -4.844
T123=18.1 19.7 20.0
ALT/AZ=68.4 119.2
fwAVG=3.44
sdW=263.3
fwW=3.77
sdS=410.8
fwS=3.58
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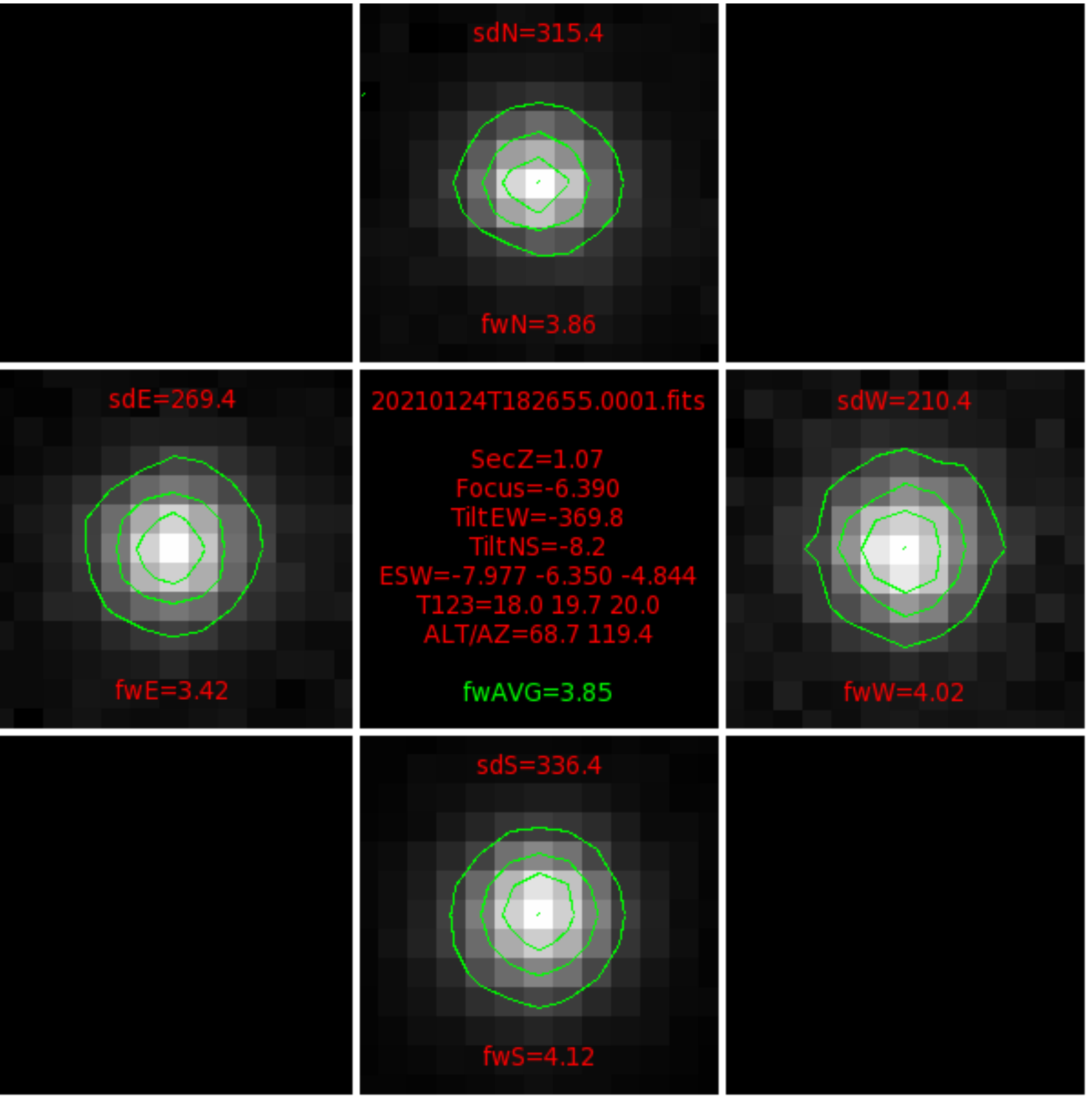
sdN=315.4
fwN=3.86
sdE=269.4
fwE=3.42
20210124T182655.0001.fits
SecZ=1.07
Focus=-6.390
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.977 -6.350 -4.844
T123=18.0 19.7 20.0
ALT/AZ=68.7 119.4
fwAVG=3.85
sdW=210.4
fwW=4.02
sdS=336.4
fwS=4.12
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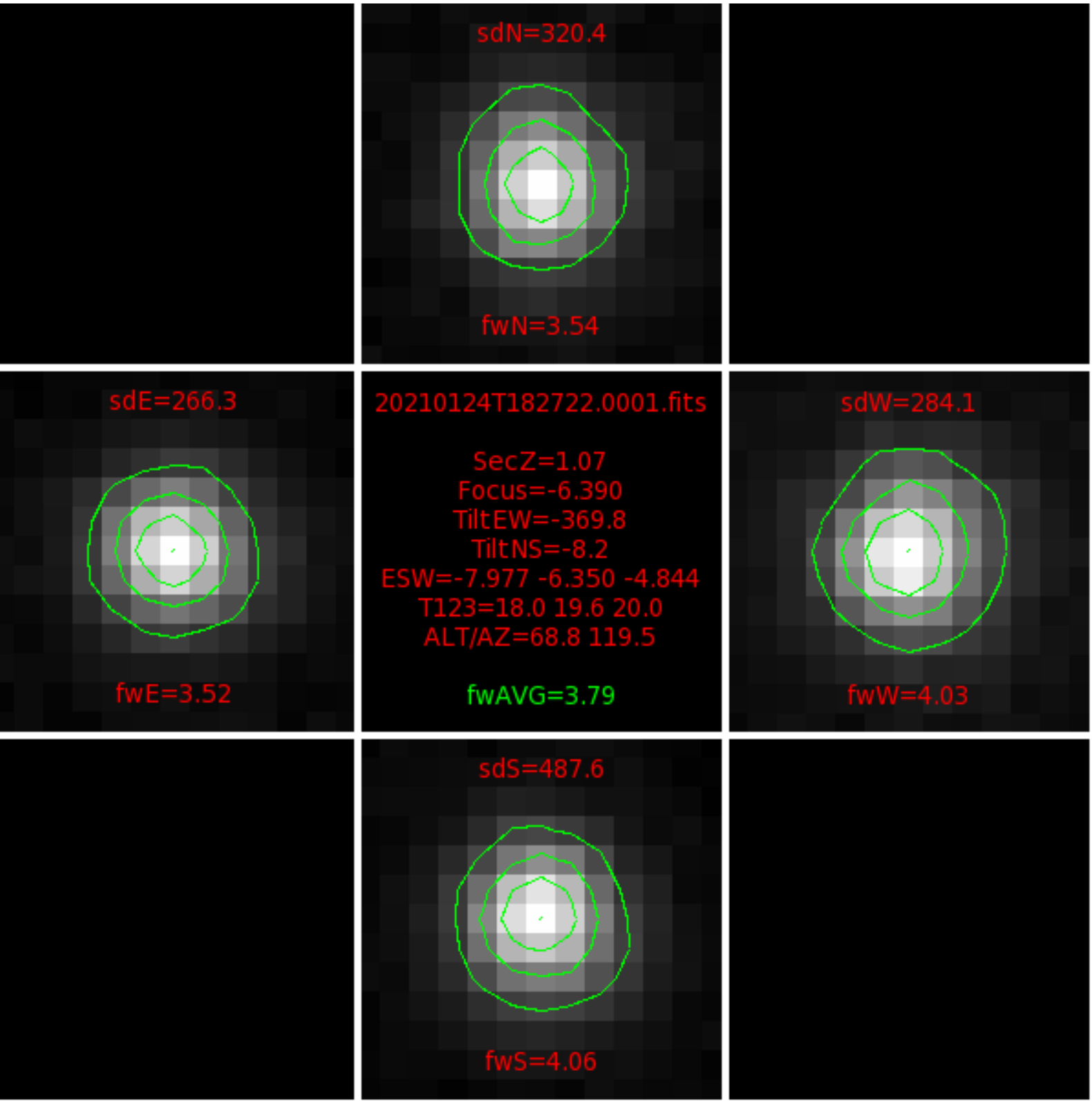
sdN=320.4
fwN=3.54
sdE=266.3
fwE=3.52
20210124T182722.0001.fits
SecZ=1.07
Focus=-6.390
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.977 -6.350 -4.844
T123=18.0 19.6 20.0
ALT/AZ=68.8 119.5
fwAVG=3.79
sdW=284.1
fwW=4.03
sdS=487.6
fwS=4.06
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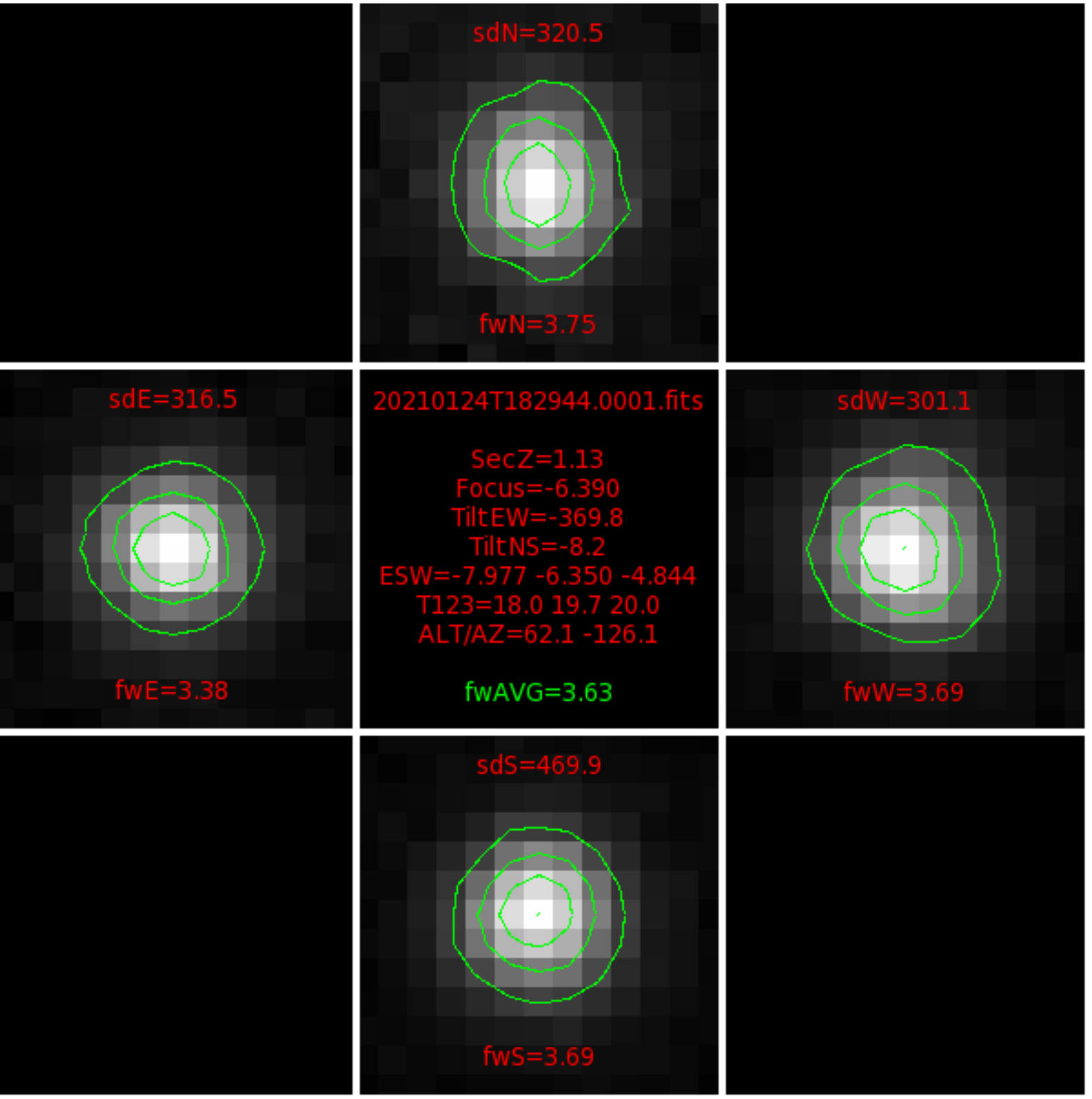
sdN=320.5
fwN=3.75
sdE=316.5
fwE=3.38
20210124T182944.0001.fits
SecZ=1.13
Focus=-6.390
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.977 -6.350 -4.844
T123=18.0 19.7 20.0
ALT/AZ=62.1 -126.1
fwAVG=3.63
sdW=301.1
fwW=3.69
sdS=469.9
fwS=3.69
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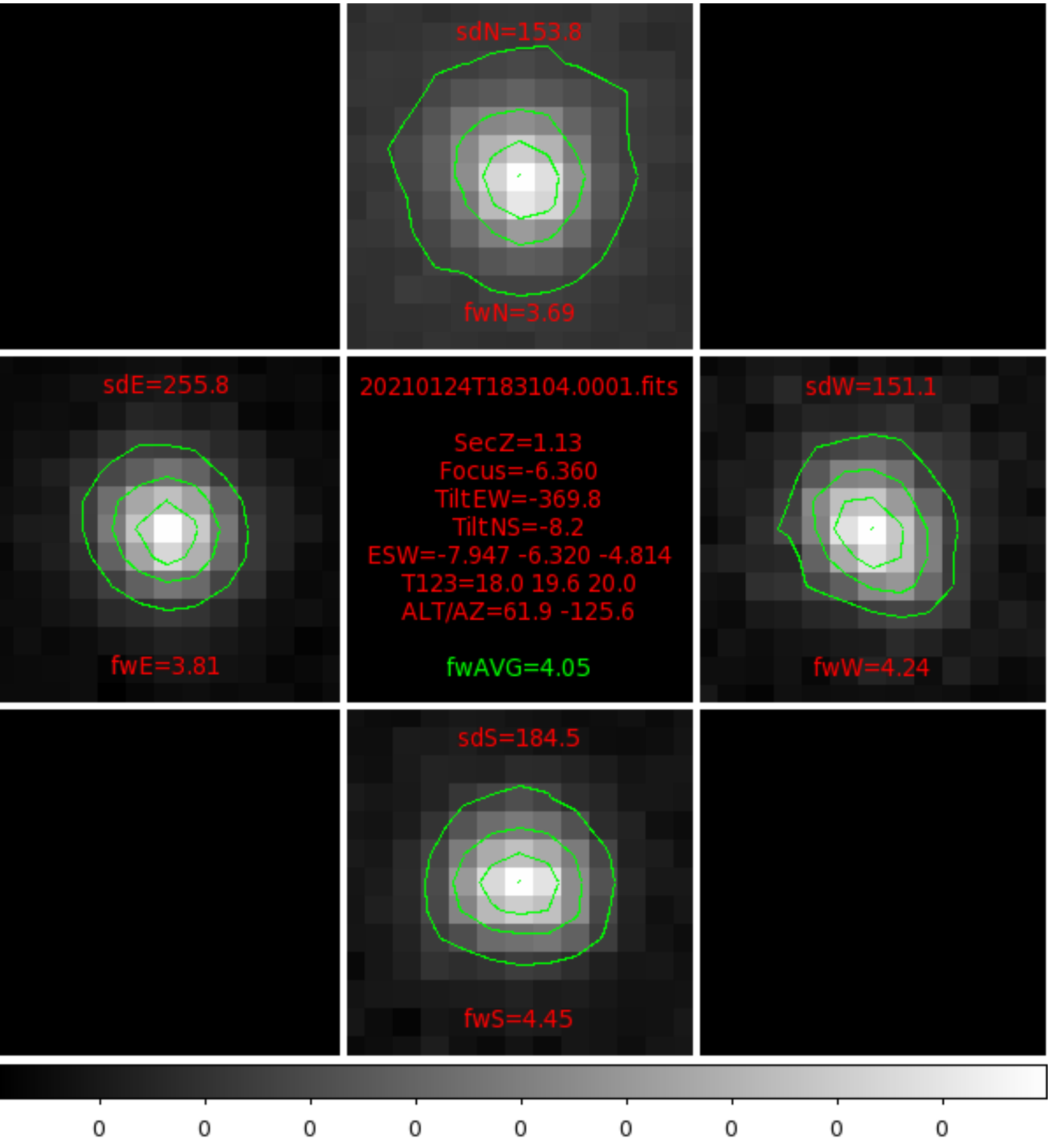
sdN=153.8
fwN=3.69
sdE=255.8
fwE=3.81
20210124T183104.0001.fits
SecZ=1.13
Focus=-6.360
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.947 -6.320 -4.814
T123=18.0 19.6 20.0
ALT/AZ=61.9 -125.6
fwAVG=4.05
sdW=151.1
fwW=4.24
sdS=184.5
fwS=4.45
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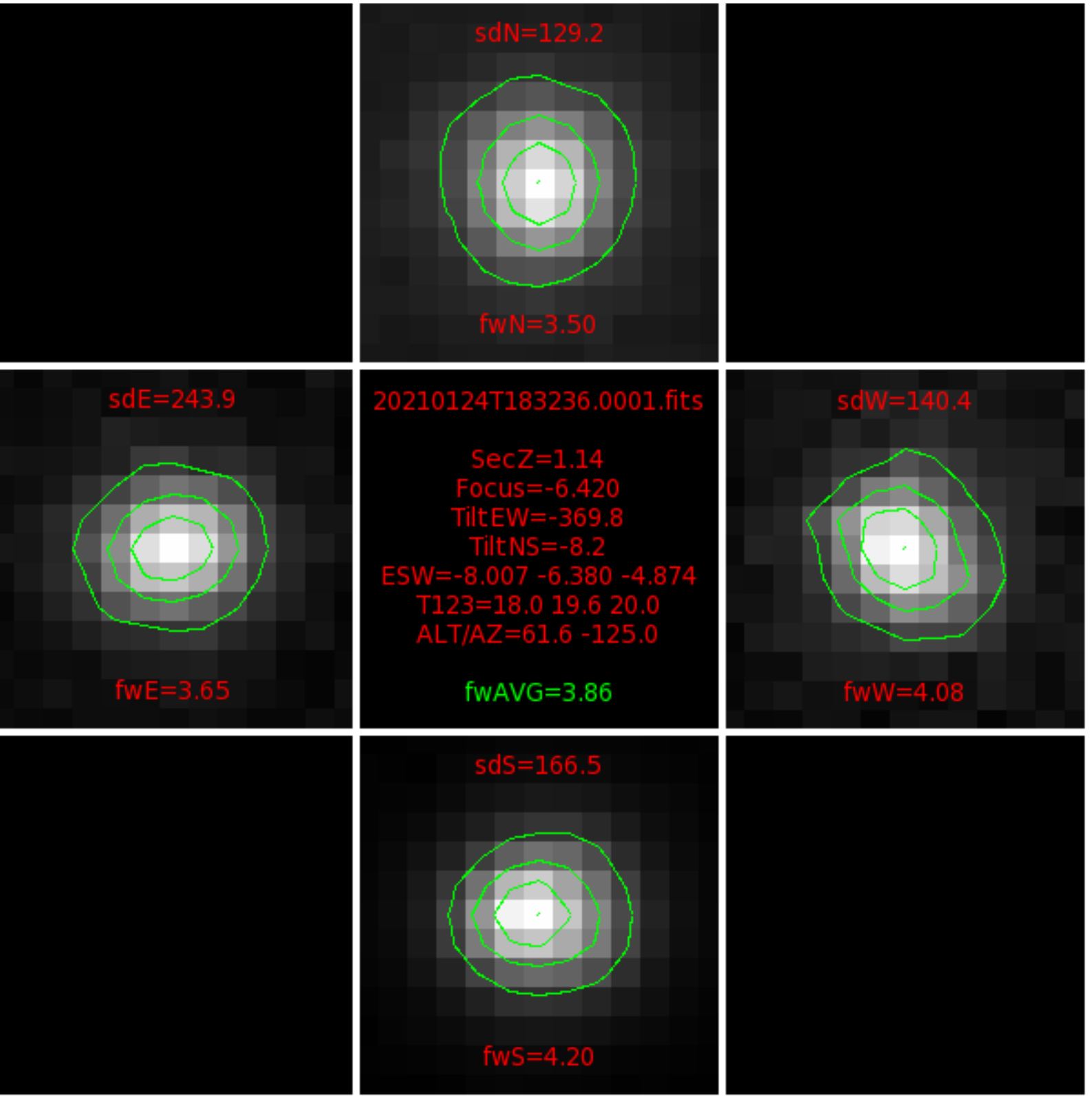
sdN=129.2
fwN=3.50
sdE=243.9
fwE=3.65
20210124T183236.0001.fits
SecZ=1.14
Focus=-6.420
TiltEW=-369.8
TiltNS=-8.2
ESW=-8.007 -6.380 -4.874
T123=18.0 19.6 20.0
ALT/AZ=61.6 -125.0
fwAVG=3.86
sdW=140.4
fwW=4.08
sdS=166.5
fwS=4.20
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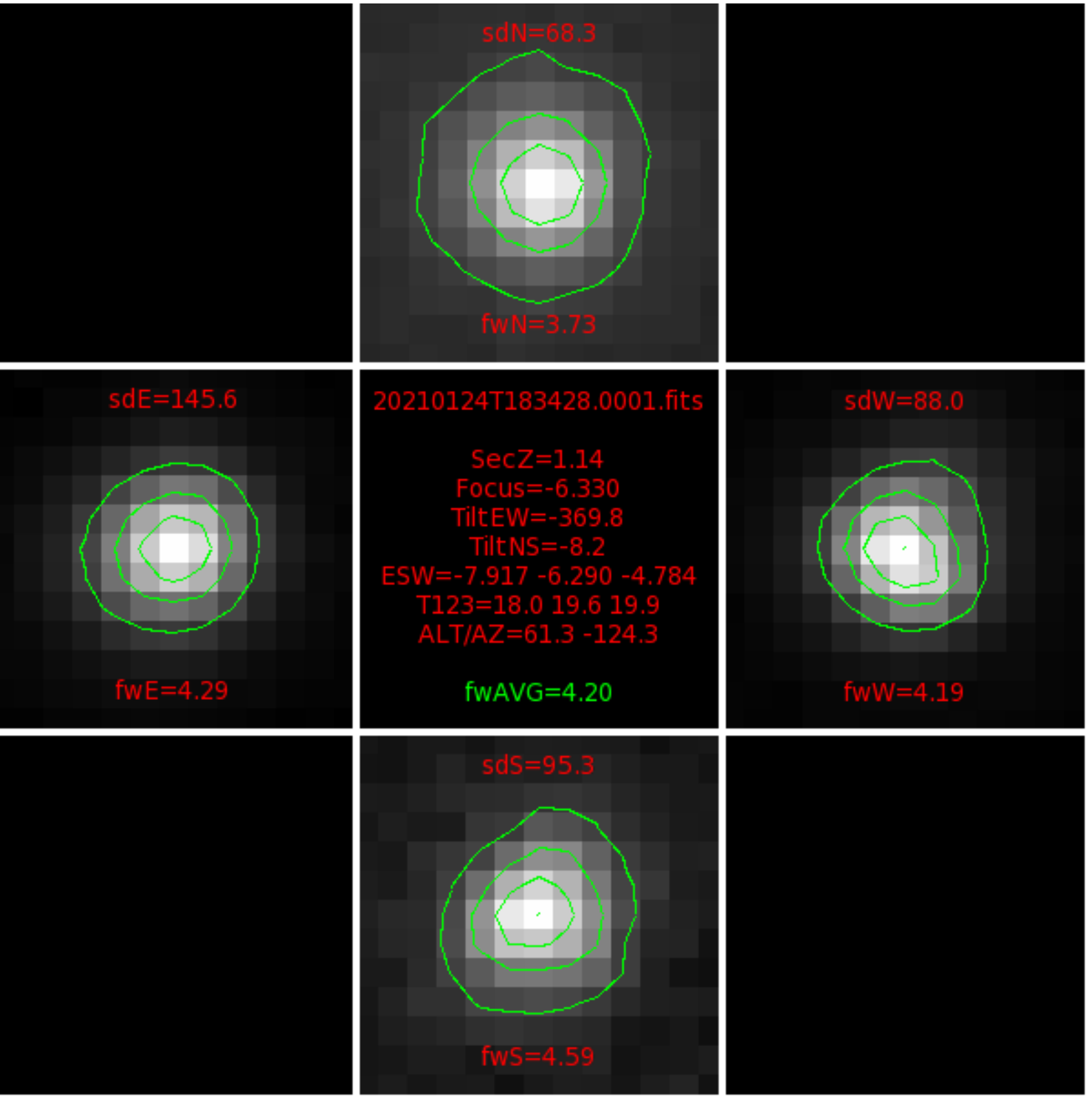
sdN=68.3
fwN=3.73
sdE=145.6
fwE=4.29
20210124T183428.0001.fits
SecZ=1.14
Focus=-6.330
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.917 -6.290 -4.784
T123=18.0 19.6 19.9
ALT/AZ=61.3 -124.3
fwAVG=4.20
sdW=88.0
fwW=4.19
sdS=95.3
fwS=4.59
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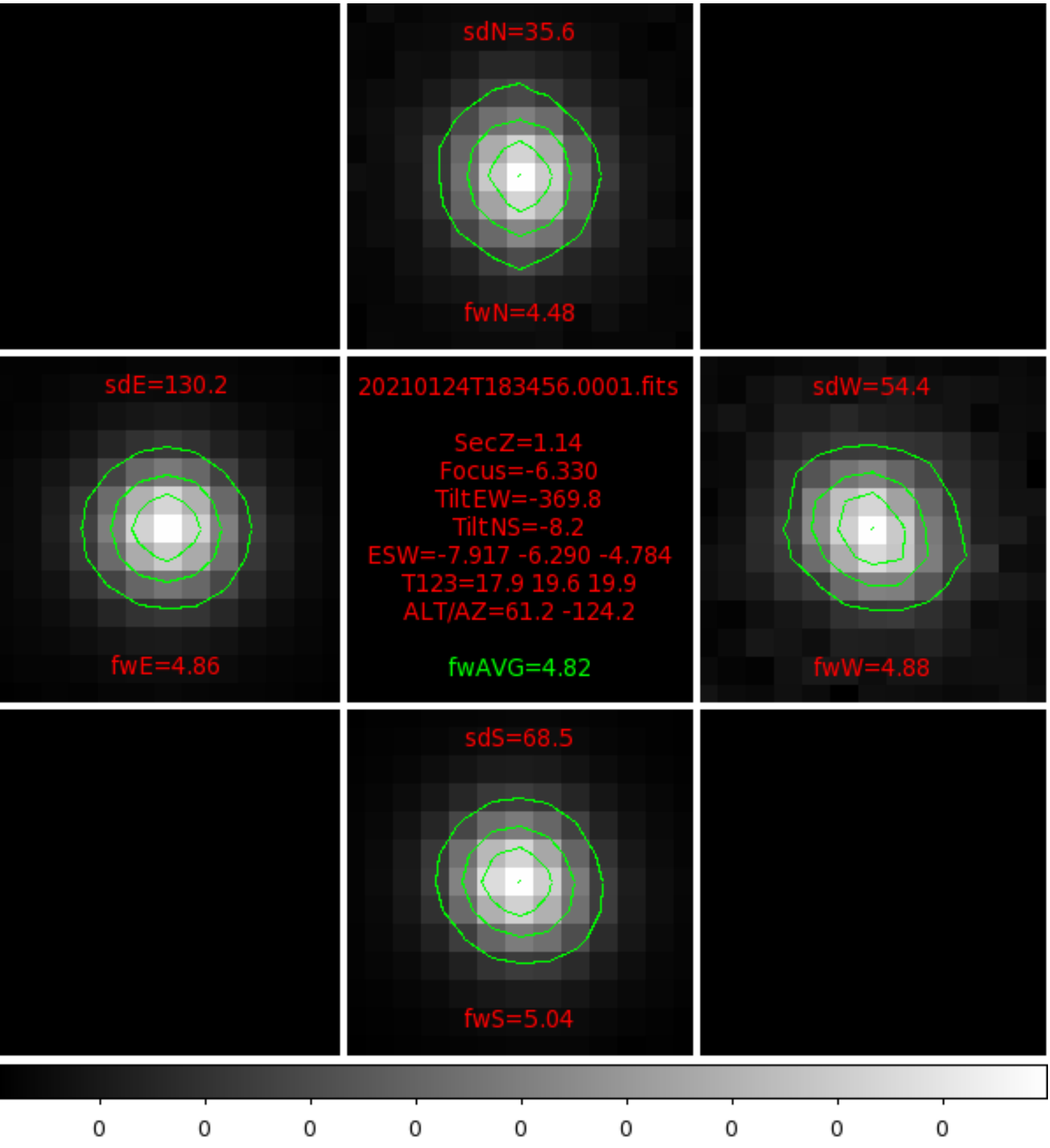
sdN=35.6
fwN=4.48
sdE=130.2
fwE=4.86
20210124T183456.0001.fits
SecZ=1.14
Focus=-6.330
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.917 -6.290 -4.784
T123=17.9 19.6 19.9
ALT/AZ=61.2 -124.2
fwAVG=4.82
sdW=54.4
fwW=4.88
sdS=68.5
fwS=5.04
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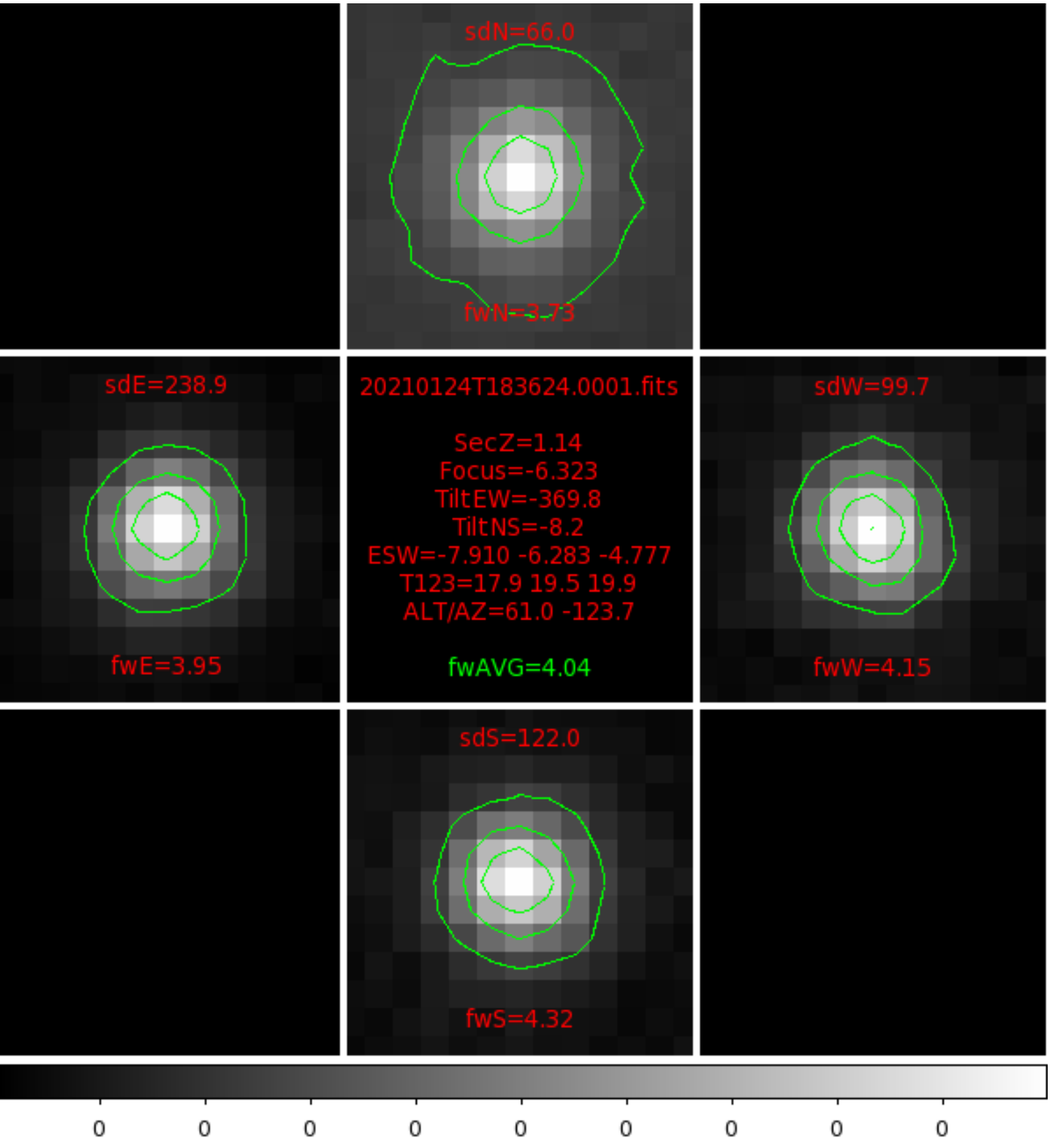
sdN=66.0
fwN=3.73
sdE=238.9
fwE=3.95
20210124T183624.0001.fits
SecZ=1.14
Focus=-6.323
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.910 -6.283 -4.777
T123=17.9 19.5 19.9
ALT/AZ=61.0 -123.7
fwAVG=4.04
sdW=99.7
fwW=4.15
sdS=122.0
fwS=4.32
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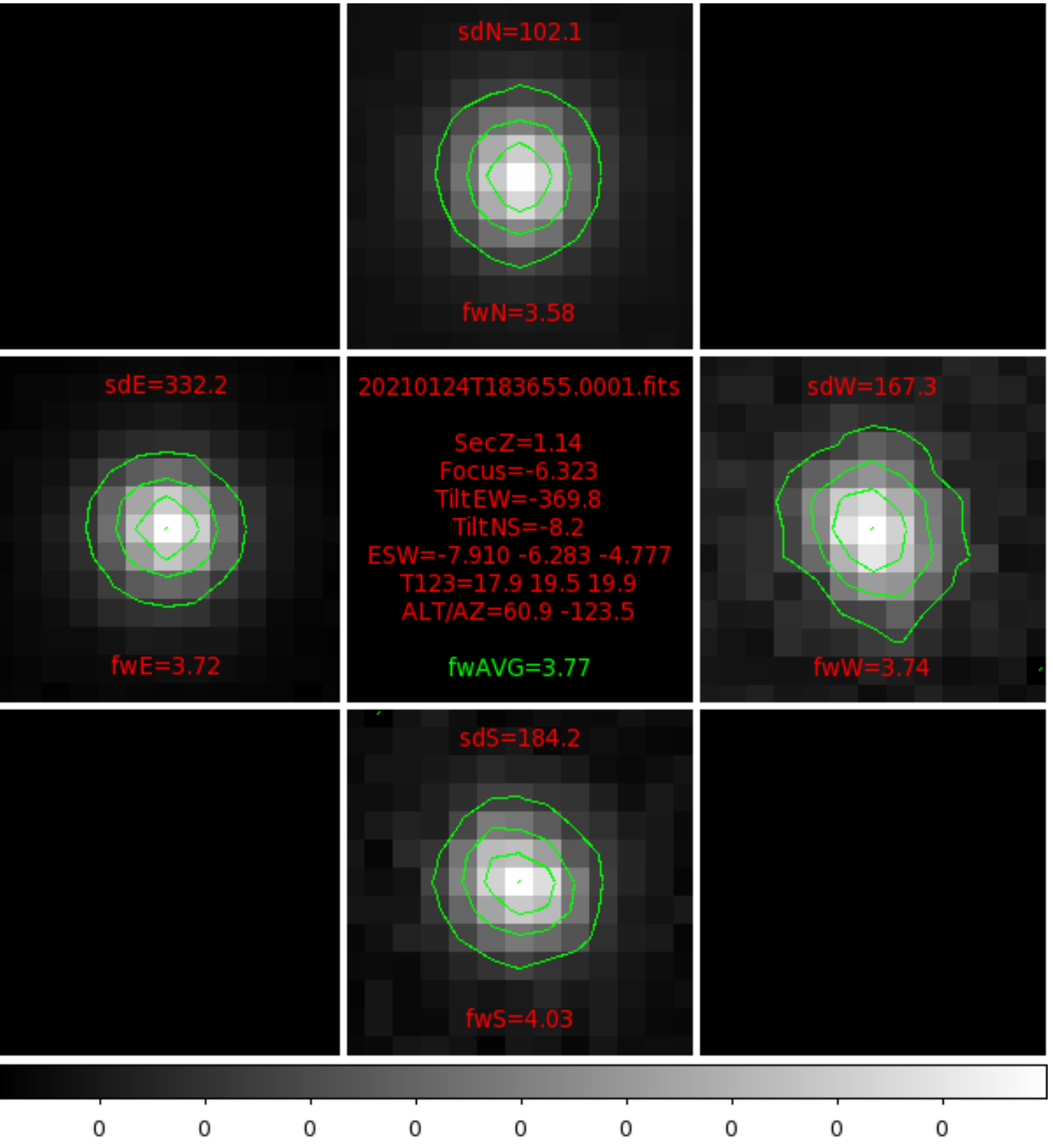
sdN=102.1
fwN=3.58
sdE=332.2
fwE=3.72
20210124T183655.0001.fits
SecZ=1.14
Focus=-6.323
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.910 -6.283 -4.777
T123=17.9 19.5 19.9
ALT/AZ=60.9 -123.5
fwAVG=3.77
sdW=167.3
fwW=3.74
sdS=184.2
fwS=4.03
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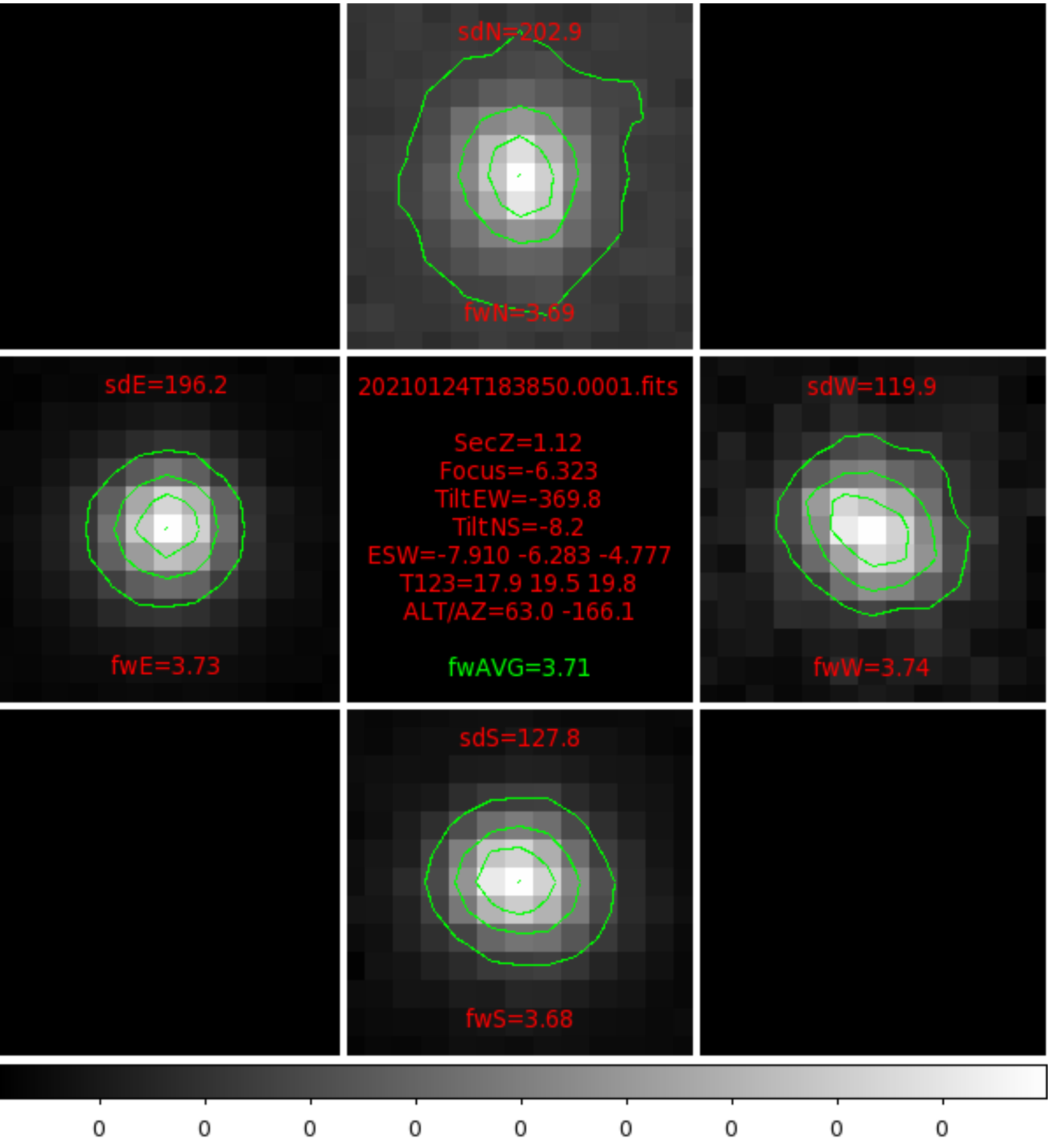
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fwN=3.69
sdE=196.2
fwE=3.73
20210124T183850.0001.fits
SecZ=1.12
Focus=-6.323
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.910 -6.283 -4.777
T123=17.9 19.5 19.8
ALT/AZ=63.0 -166.1
fwAVG=3.71
sdW=119.9
fwW=3.74
sdS=127.8
fwS=3.68
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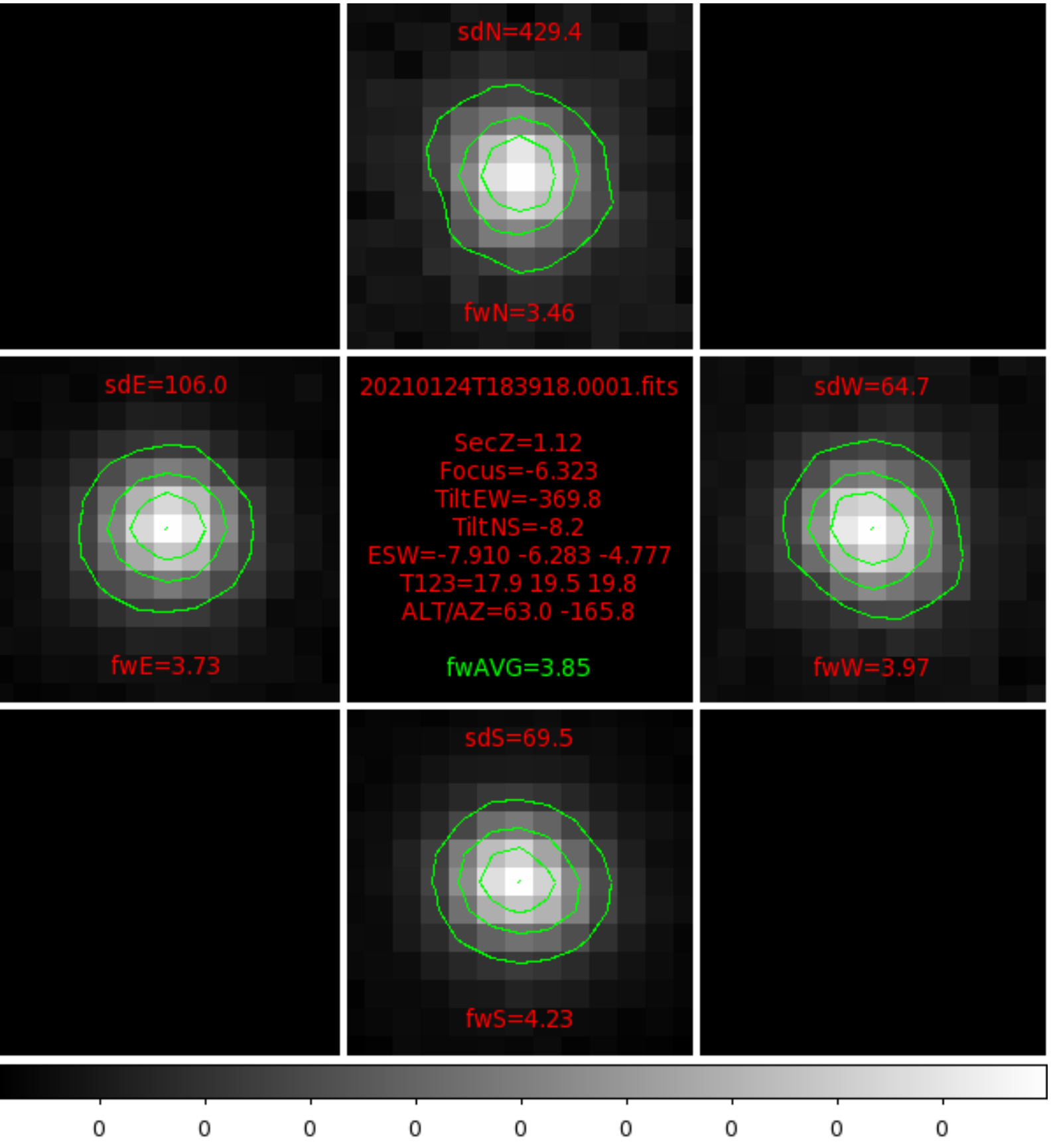
sdN=429.4
fwN=3.46
sdE=106.0
fwE=3.73
20210124T183918.0001.fits
SecZ=1.12
Focus=-6.323
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.910 -6.283 -4.777
T123=17.9 19.5 19.8
ALT/AZ=63.0 -165.8
fwAVG=3.85
sdW=64.7
fwW=3.97
sdS=69.5
fwS=4.23
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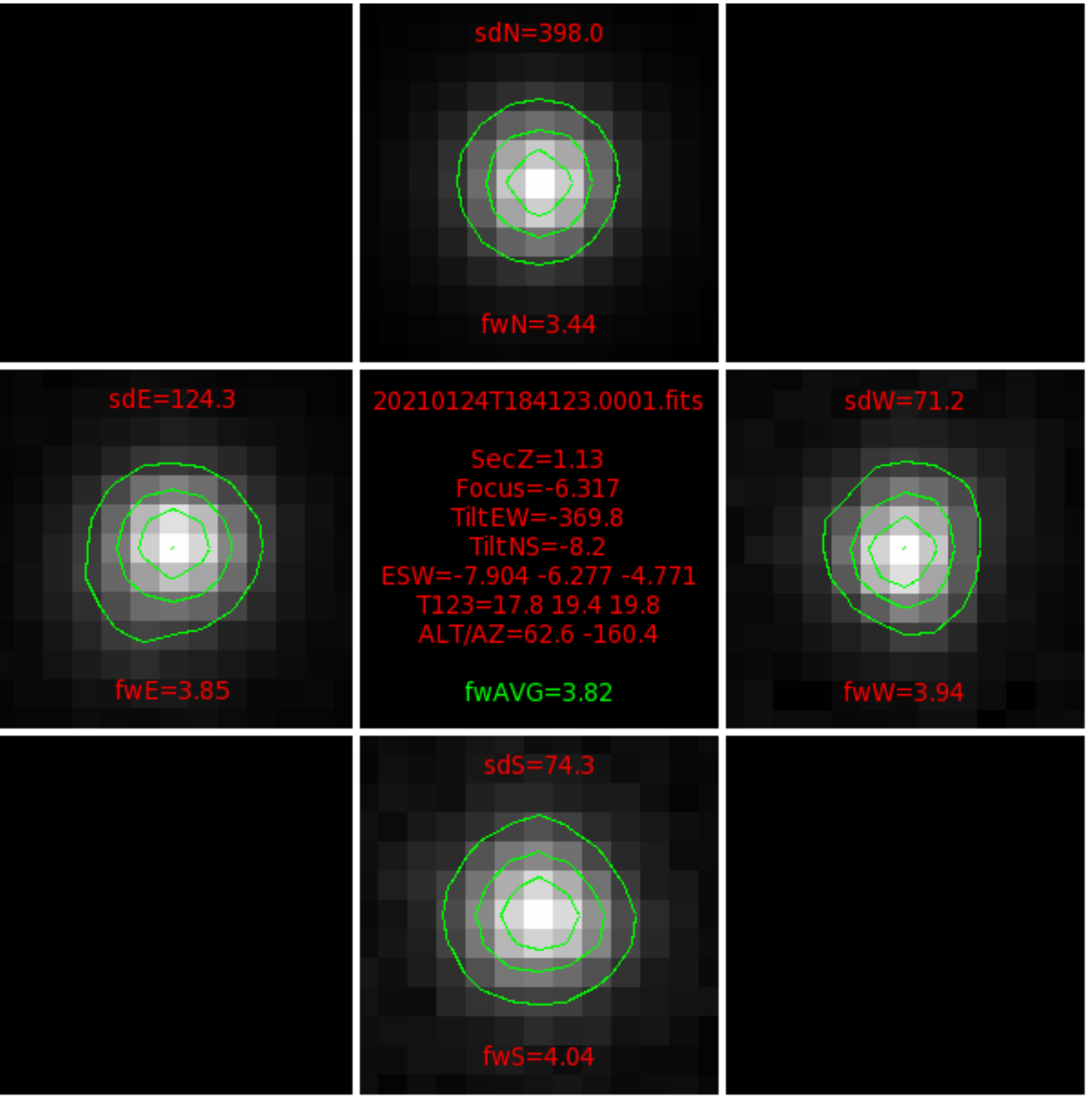
sdN=398.0
fwN=3.44
sdE=124.3
fwE=3.85
20210124T184123.0001.fits
SecZ=1.13
Focus=-6.317
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.904 -6.277 -4.771
T123=17.8 19.4 19.8
ALT/AZ=62.6 -160.4
fwAVG=3.82
sdW=71.2
fwW=3.94
sdS=74.3
fwS=4.04
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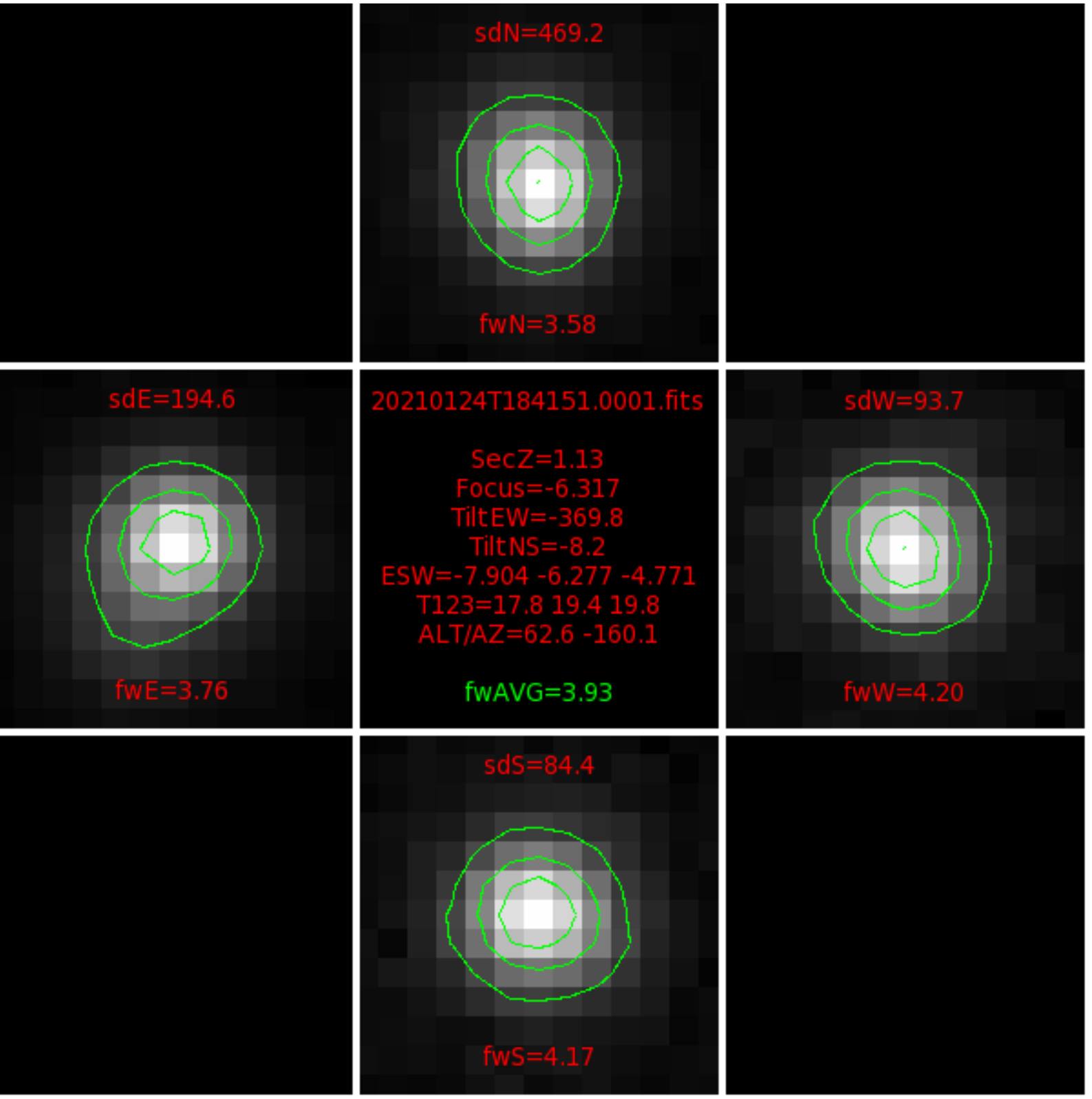
sdN=469.2
fwN=3.58
sdE=194.6
fwE=3.76
20210124T184151.0001.fits
SecZ=1.13
Focus=-6.317
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.904 -6.277 -4.771
T123=17.8 19.4 19.8
ALT/AZ=62.6 -160.1
fwAVG=3.93
sdW=93.7
fwW=4.20
sdS=84.4
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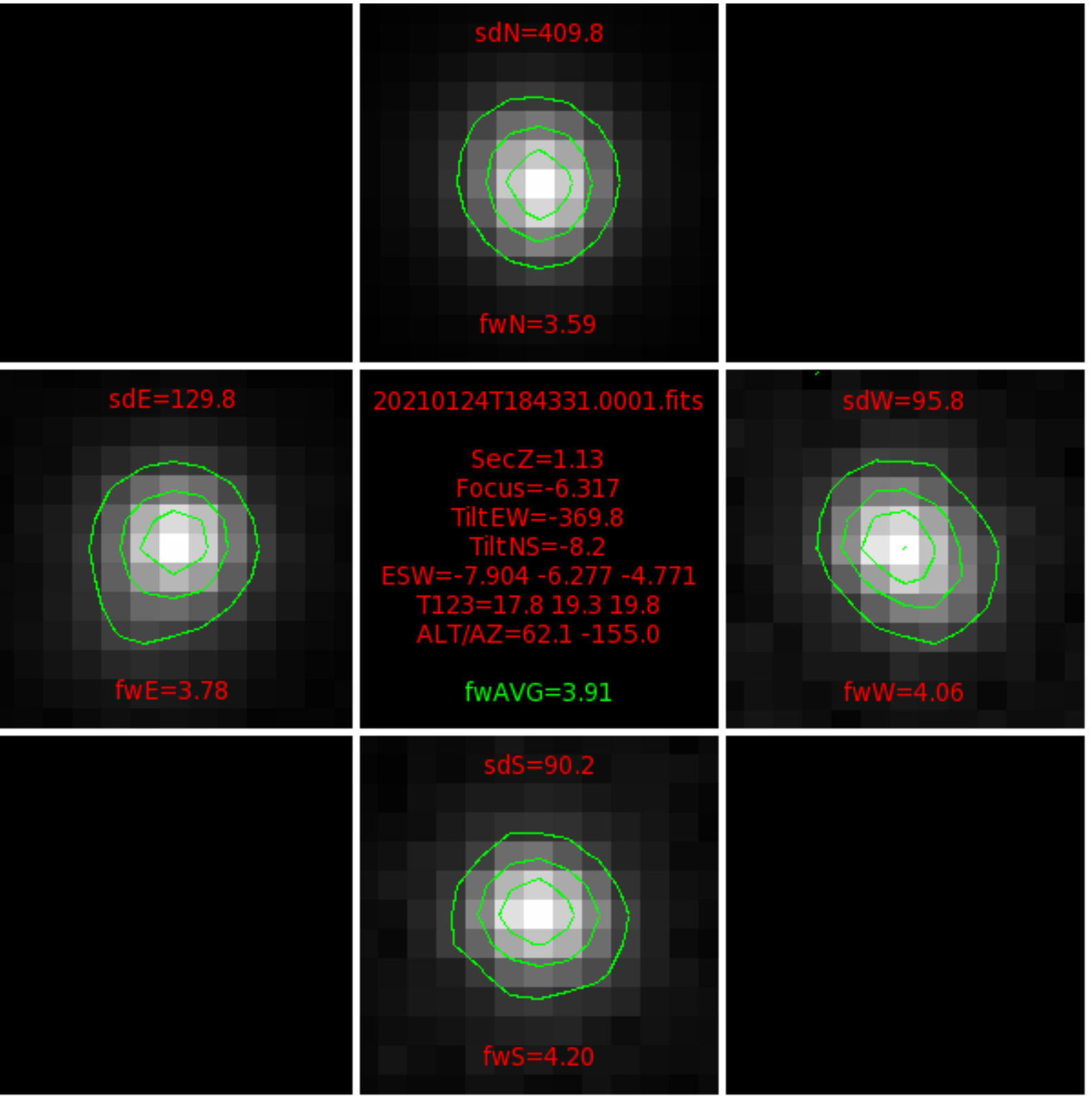
sdN=409.8
fwN=3.59
sdE=129.8
fwE=3.78
20210124T184331.0001.fits
SecZ=1.13
Focus=-6.317
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.904 -6.277 -4.771
T123=17.8 19.3 19.8
ALT/AZ=62.1 -155.0
fwAVG=3.91
sdW=95.8
fwW=4.06
sdS=90.2
fwS=4.20
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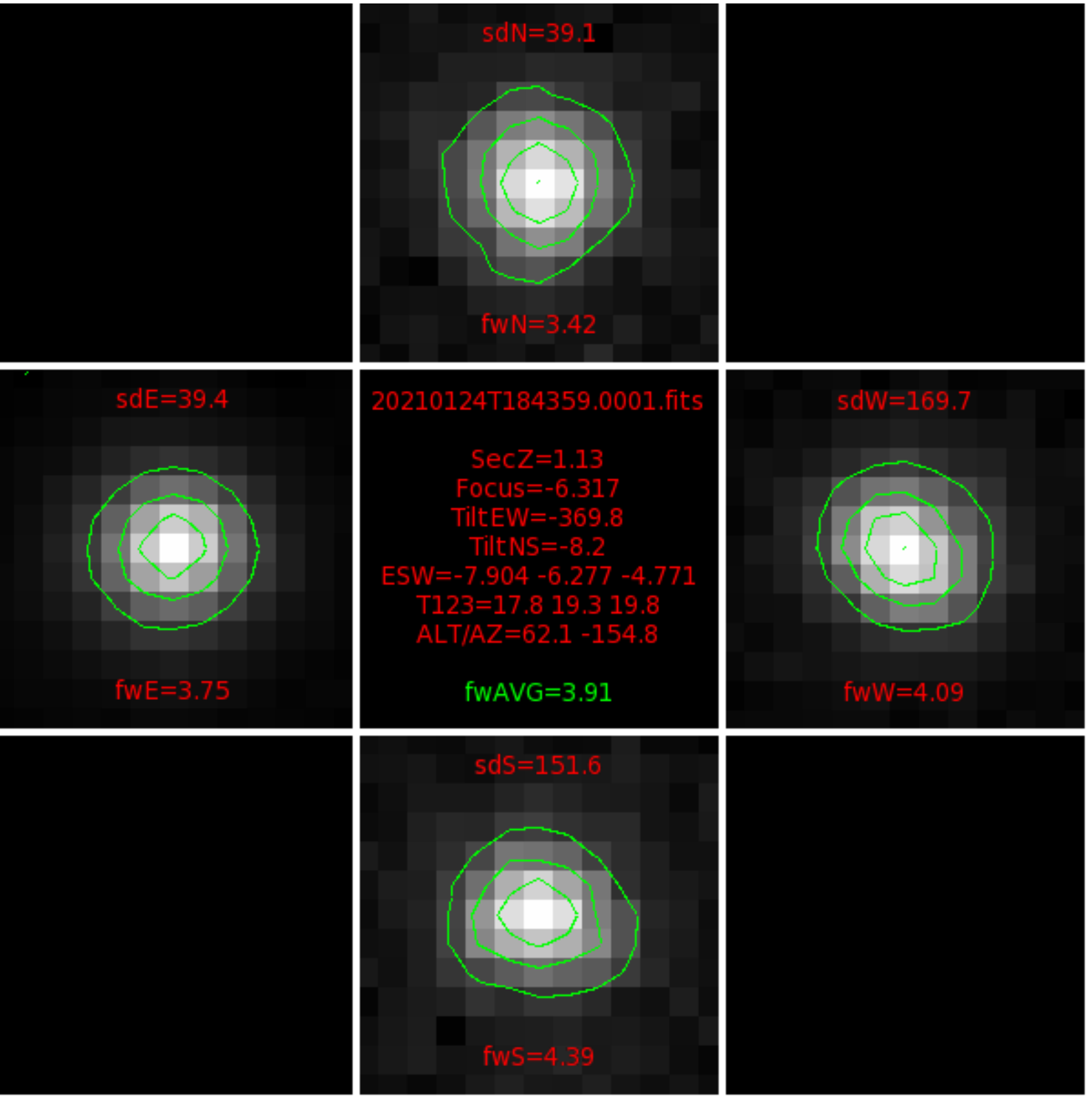
sdN=39.1
fwN=3.42
sdE=39.4
fwE=3.75
20210124T184359.0001.fits
SecZ=1.13
Focus=-6.317
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.904 -6.277 -4.771
T123=17.8 19.3 19.8
ALT/AZ=62.1 -154.8
fwAVG=3.91
sdW=169.7
fwW=4.09
sdS=151.6
fwS=4.39
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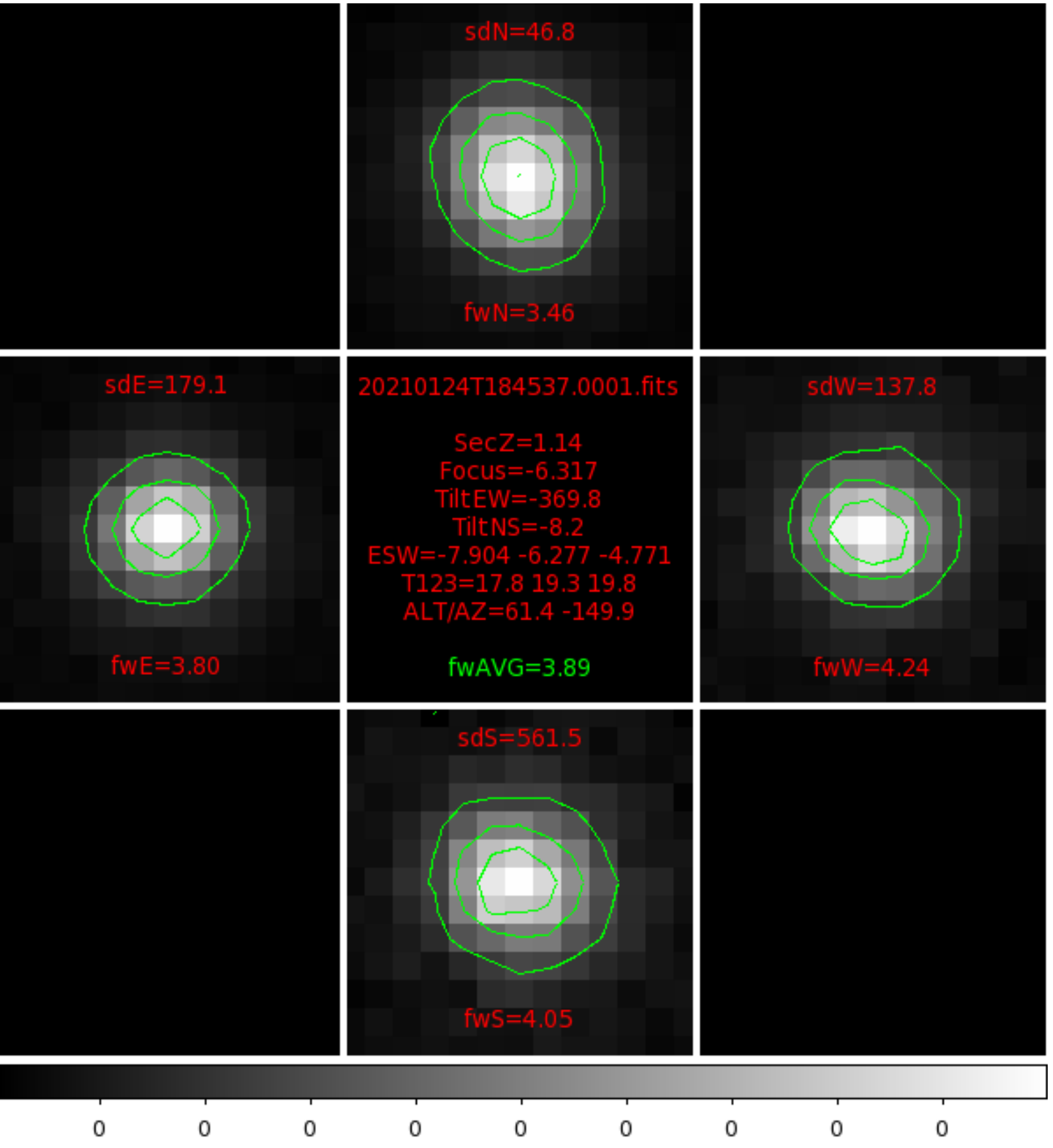
sdN=46.8
fwN=3.46
sdE=179.1
fwE=3.80
20210124T184537.0001.fits
SecZ=1.14
Focus=-6.317
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.904 -6.277 -4.771
T123=17.8 19.3 19.8
ALT/AZ=61.4 -149.9
fwAVG=3.89
sdW=137.8
fwW=4.24
sdS=561.5
fwS=4.05
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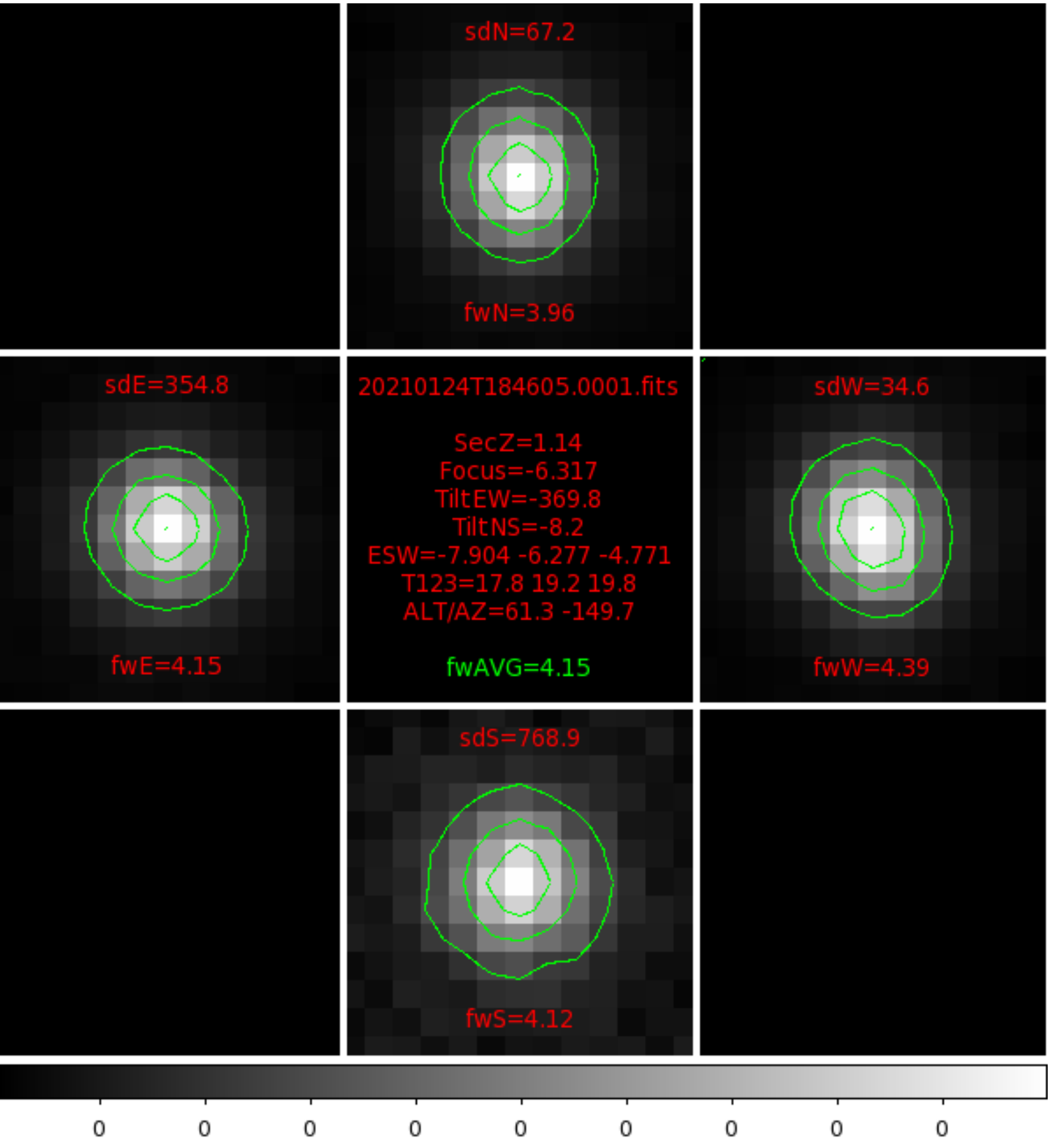
sdN=67.2
fwN=3.96
sdE=354.8
fwE=4.15
20210124T184605.0001.fits
SecZ=1.14
Focus=-6.317
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.904 -6.277 -4.771
T123=17.8 19.2 19.8
ALT/AZ=61.3 -149.7
fwAVG=4.15
sdW=34.6
fwW=4.39
sdS=768.9
fwS=4.12
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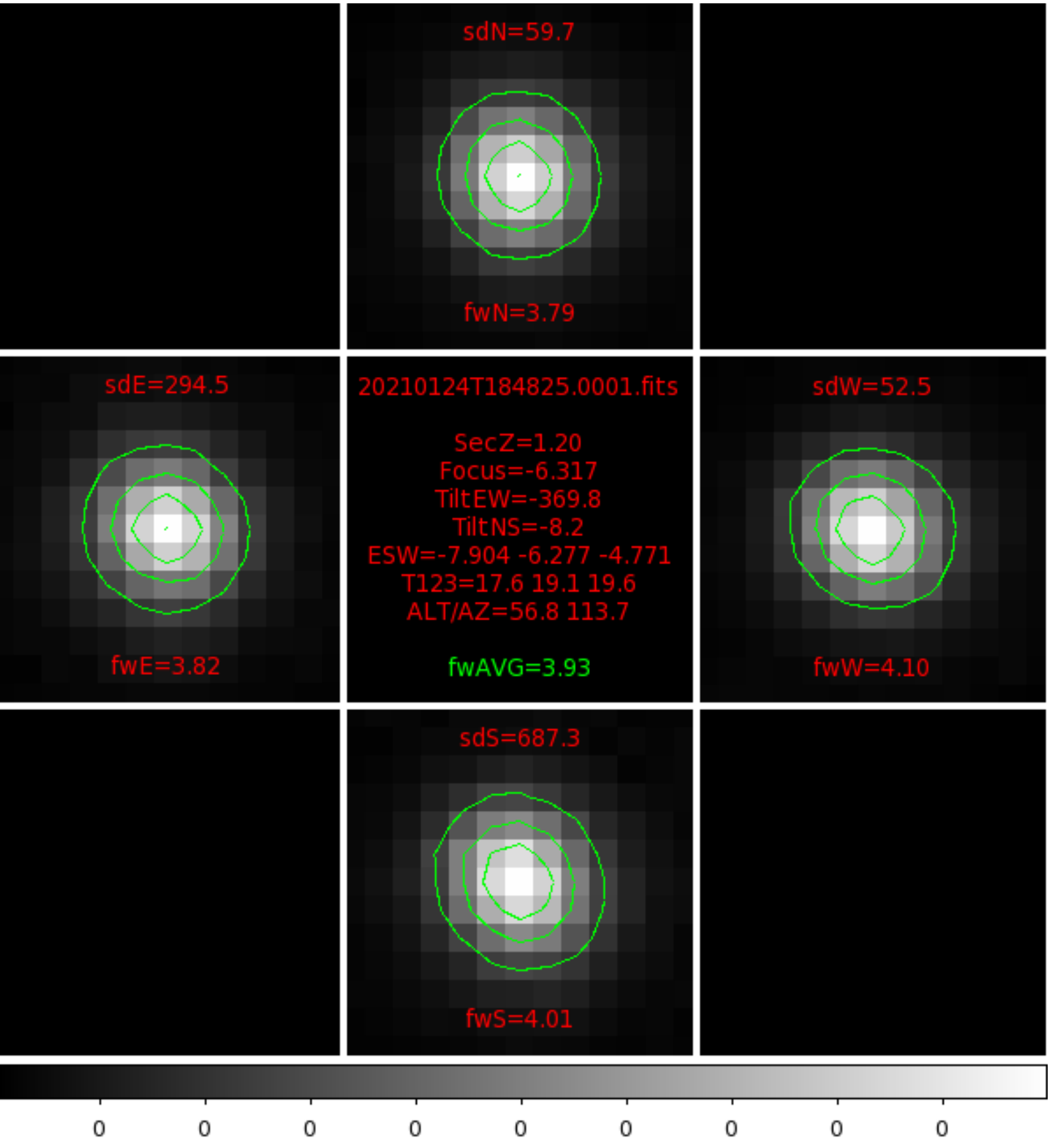
sdN=59.7
fwN=3.79
sdE=294.5
fwE=3.82
20210124T184825.0001.fits
SecZ=1.20
Focus=-6.317
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.904 -6.277 -4.771
T123=17.6 19.1 19.6
ALT/AZ=56.8 113.7
fwAVG=3.93
sdW=52.5
fwW=4.10
sdS=687.3
fwS=4.01
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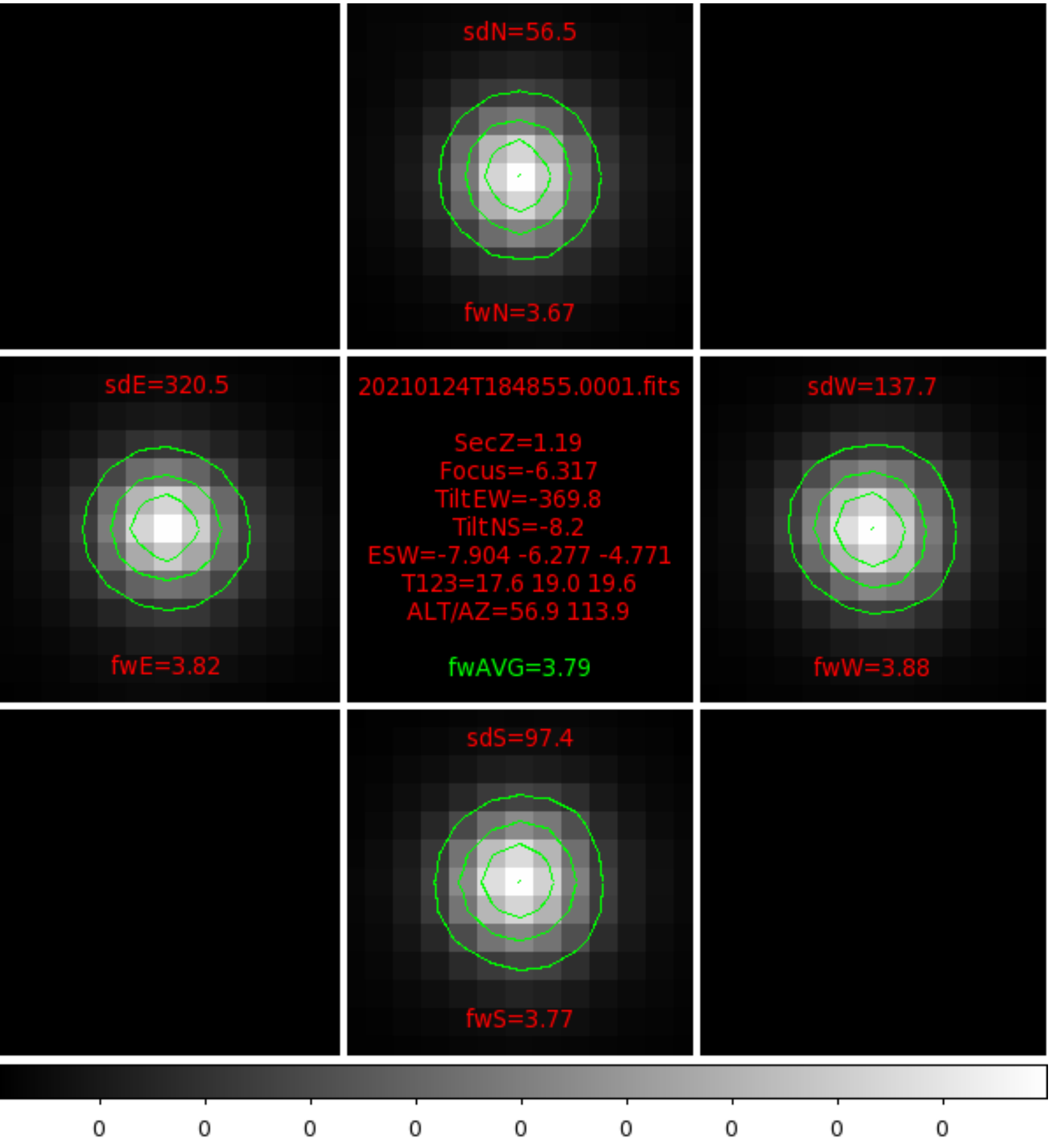
sdN=56.5
fwN=3.67
sdE=320.5
fwE=3.82
20210124T184855.0001.fits
SecZ=1.19
Focus=-6.317
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.904 -6.277 -4.771
T123=17.6 19.0 19.6
ALT/AZ=56.9 113.9
fwAVG=3.79
sdW=137.7
fwW=3.88
sdS=97.4
fwS=3.77
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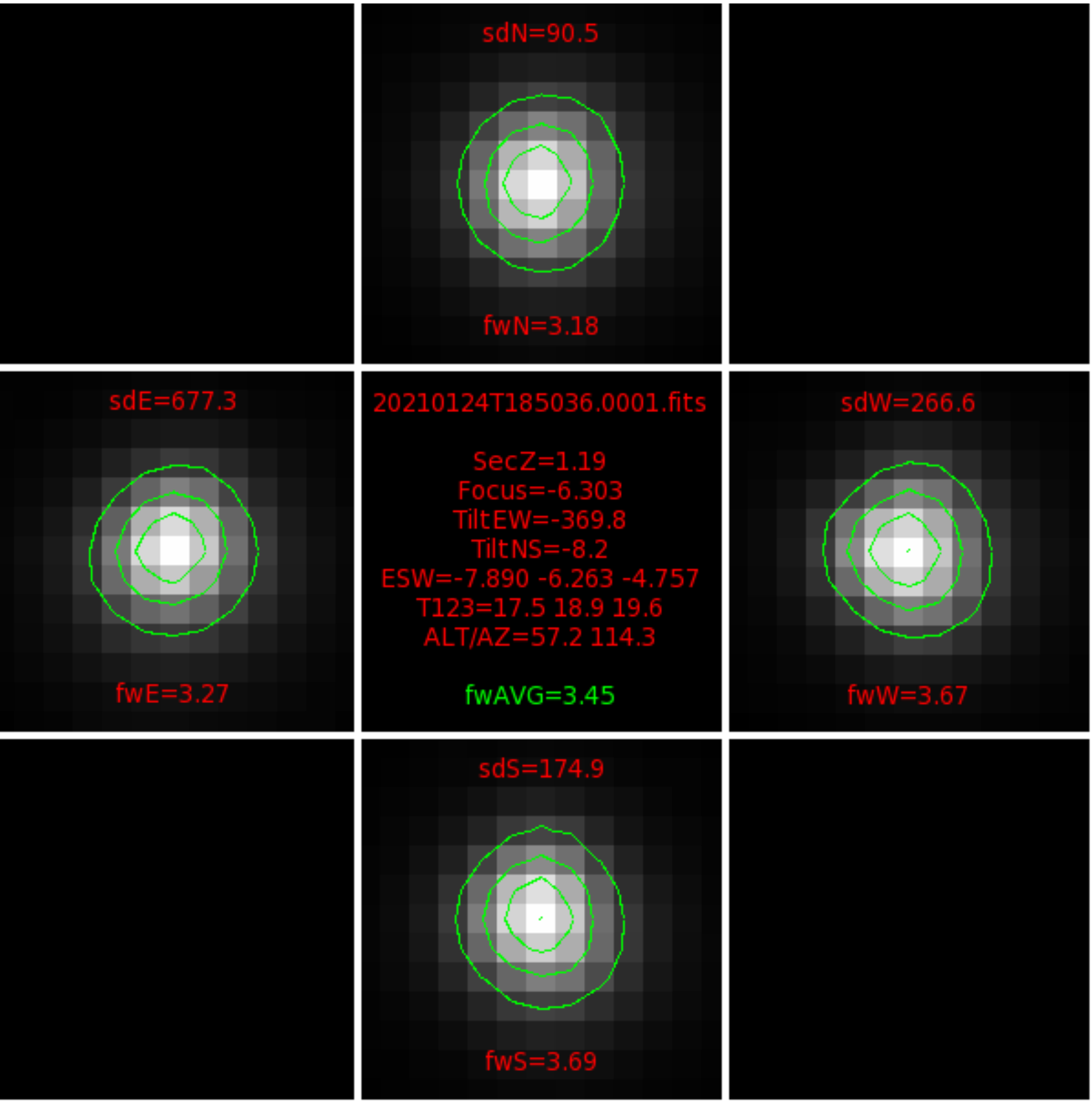
sdN=90.5
fwN=3.18
sdE=677.3
fwE=3.27
20210124T185036.0001.fits
SecZ=1.19
Focus=-6.303
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.890 -6.263 -4.757
T123=17.5 18.9 19.6
ALT/AZ=57.2 114.3
fwAVG=3.45
sdW=266.6
fwW=3.67
sdS=174.9
fwS=3.69
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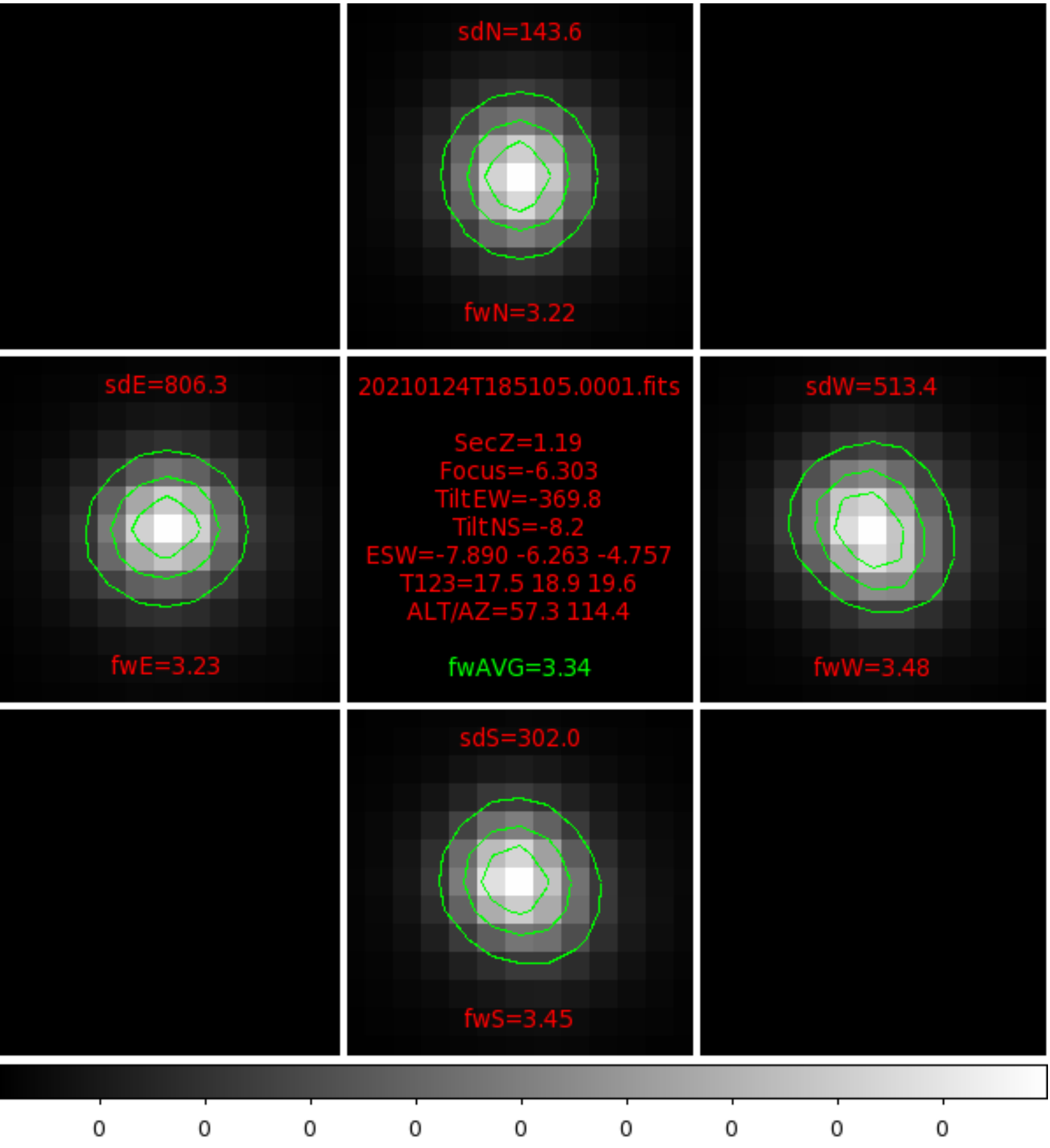
sdN=143.6
fwN=3.22
sdE=806.3
fwE=3.23
20210124T185105.0001.fits
SecZ=1.19
Focus=-6.303
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.890 -6.263 -4.757
T123=17.5 18.9 19.6
ALT/AZ=57.3 114.4
fwAVG=3.34
sdW=513.4
fwW=3.48
sdS=302.0
fwS=3.45
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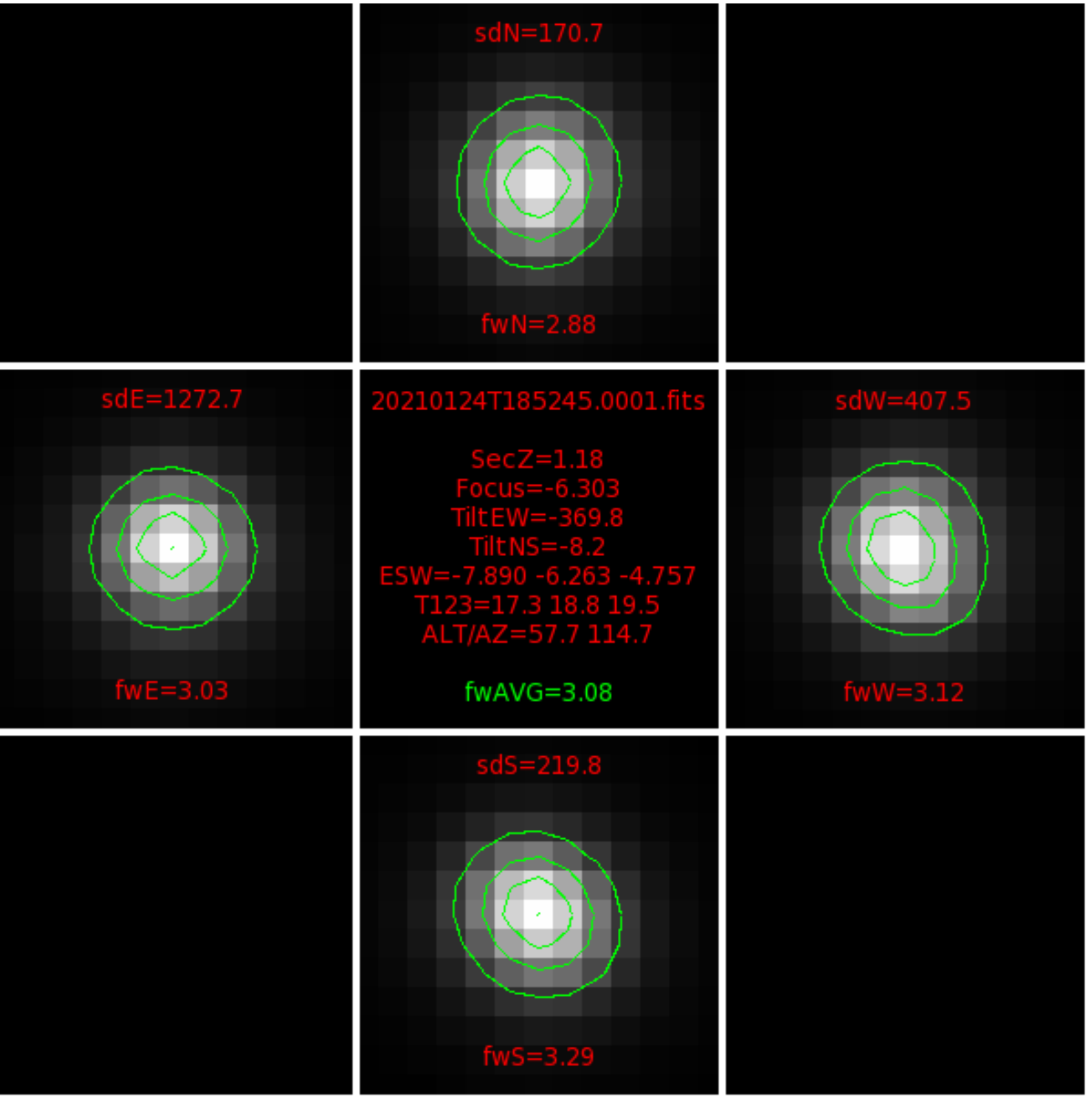
sdN=170.7
fwN=2.88
sdE=1272.7
fwE=3.03
20210124T185245.0001.fits
SecZ=1.18
Focus=-6.303
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.890 -6.263 -4.757
T123=17.3 18.8 19.5
ALT/AZ=57.7 114.7
fwAVG=3.08
sdW=407.5
fwW=3.12
sdS=219.8
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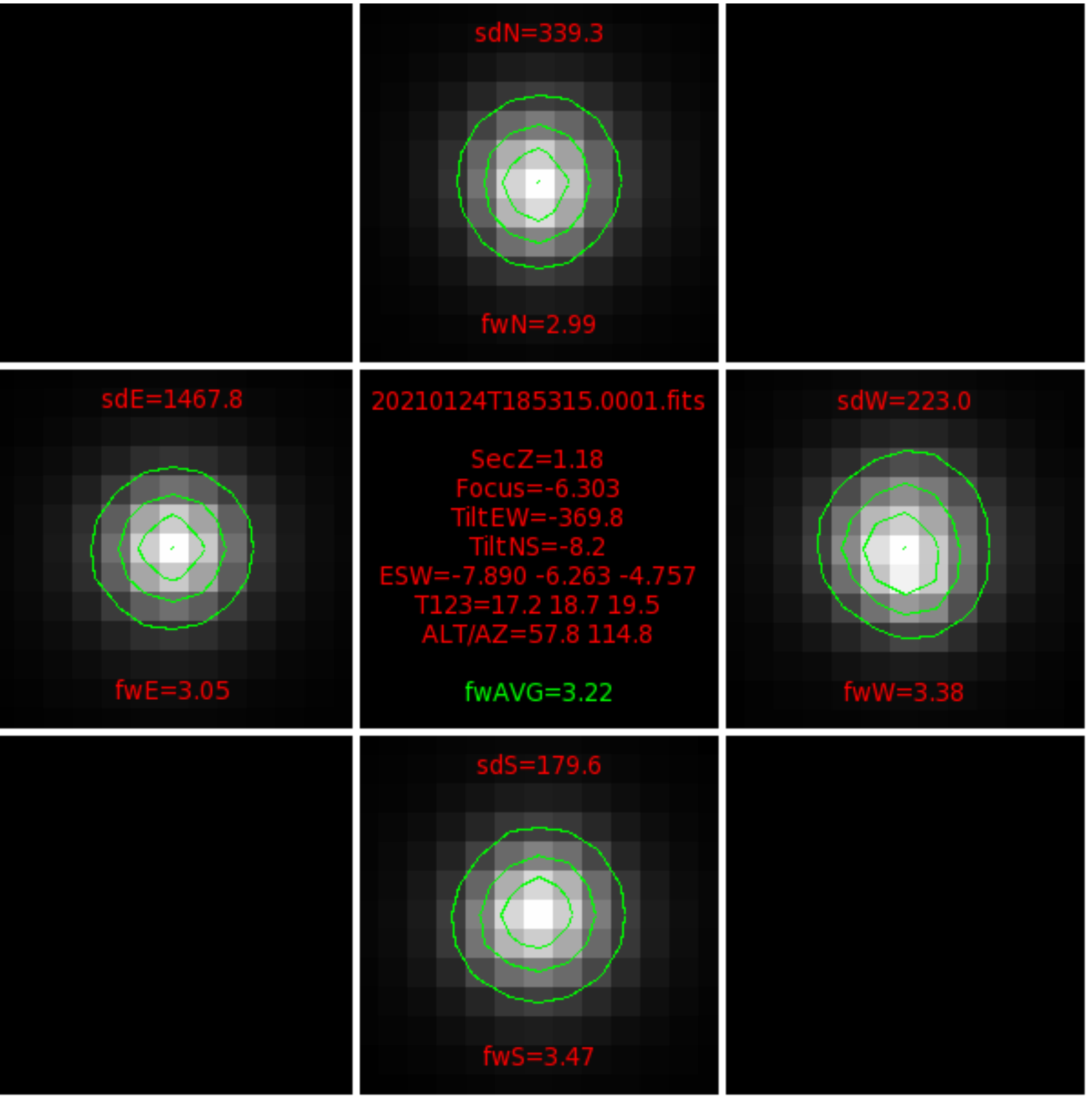
sdN=339.3
fwN=2.99
sdE=1467.8
fwE=3.05
20210124T185315.0001.fits
SecZ=1.18
Focus=-6.303
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.890 -6.263 -4.757
T123=17.2 18.7 19.5
ALT/AZ=57.8 114.8
fwAVG=3.22
sdW=223.0
fwW=3.38
sdS=179.6
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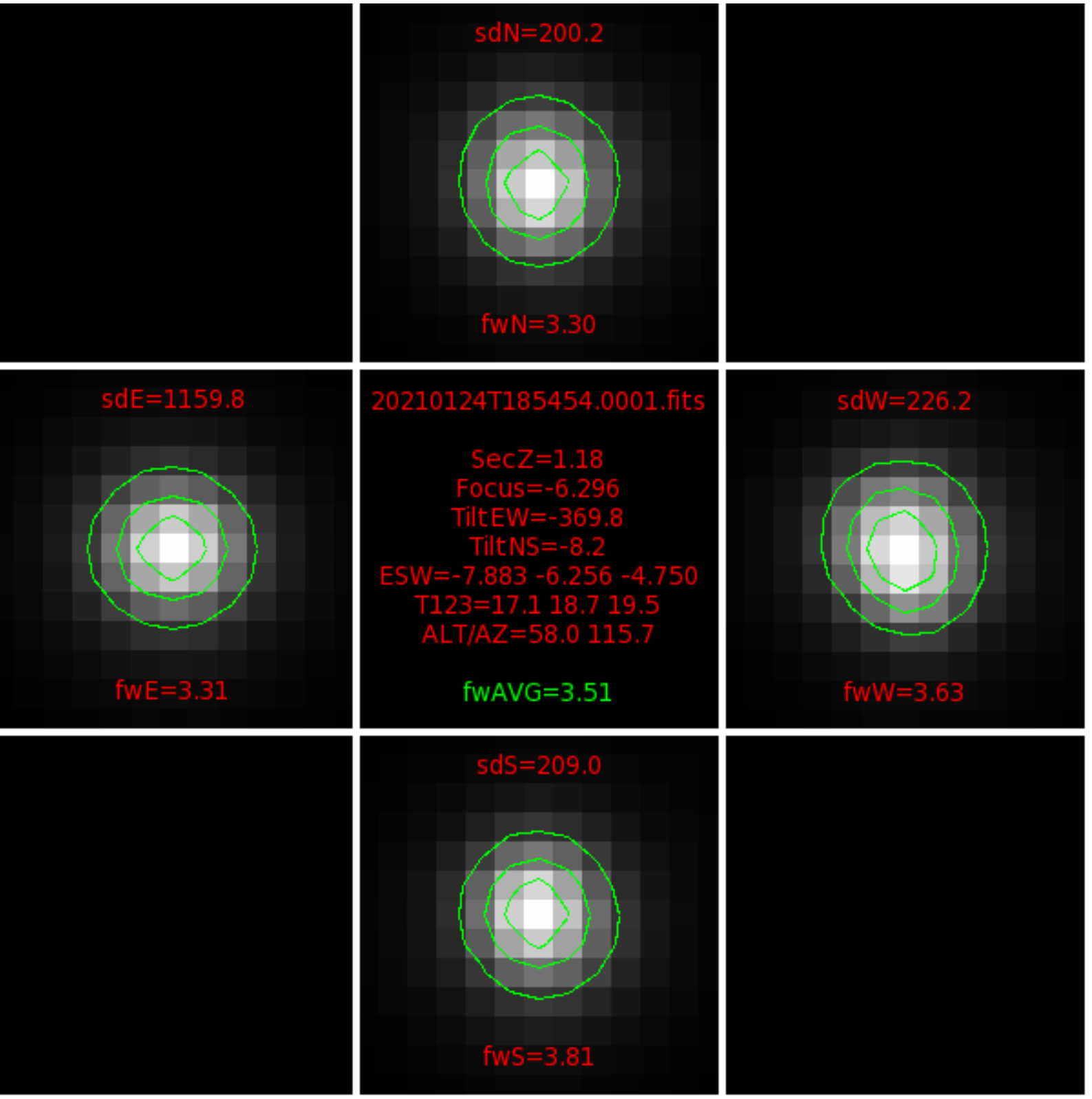
sdN=200.2
fwN=3.30
sdE=1159.8
fwE=3.31
20210124T185454.0001.fits
SecZ=1.18
Focus=-6.296
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.883 -6.256 -4.750
T123=17.1 18.7 19.5
ALT/AZ=58.0 115.7
fwAVG=3.51
sdW=226.2
fwW=3.63
sdS=209.0
fwS=3.81
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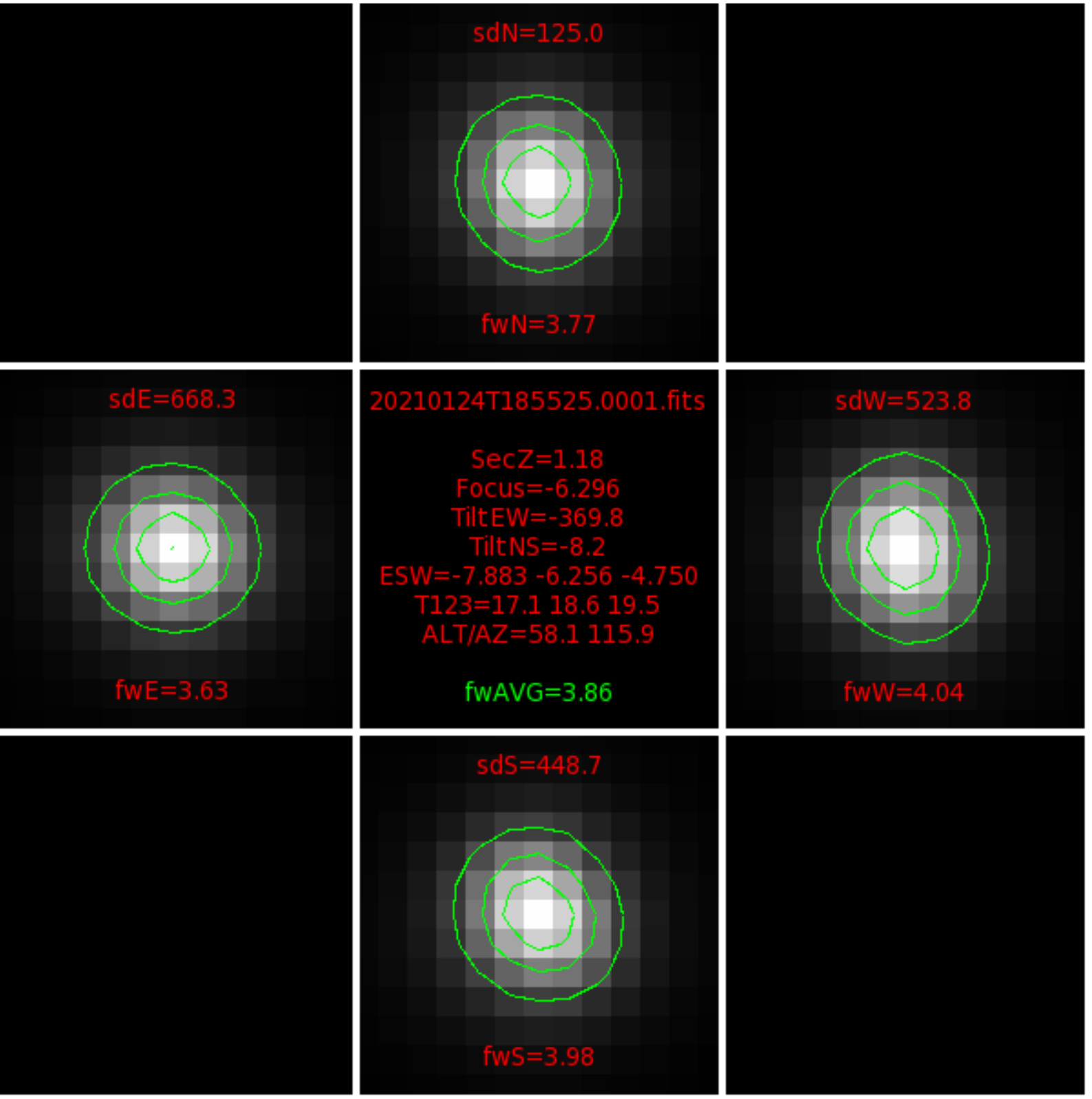
sdN=125.0
fwN=3.77
sdE=668.3
fwE=3.63
20210124T185525.0001.fits
SecZ=1.18
Focus=-6.296
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.883 -6.256 -4.750
T123=17.1 18.6 19.5
ALT/AZ=58.1 115.9
fwAVG=3.86
sdW=523.8
fwW=4.04
sdS=448.7
fwS=3.98
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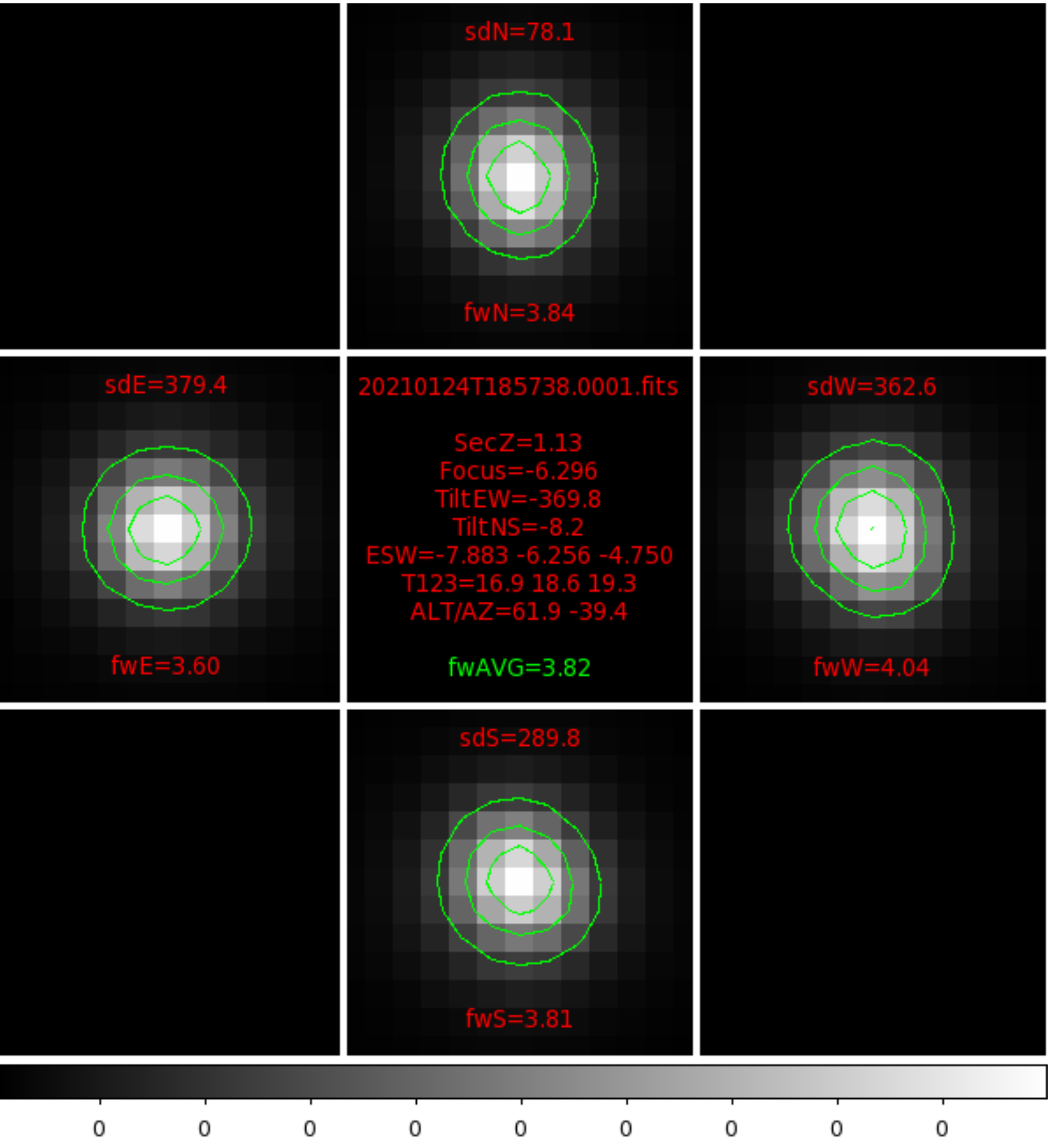
sdN=78.1
fwN=3.84
sdE=379.4
fwE=3.60
20210124T185738.0001.fits
SecZ=1.13
Focus=-6.296
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.883 -6.256 -4.750
T123=16.9 18.6 19.3
ALT/AZ=61.9 -39.4
fwAVG=3.82
sdW=362.6
fwW=4.04
sdS=289.8
fwS=3.81
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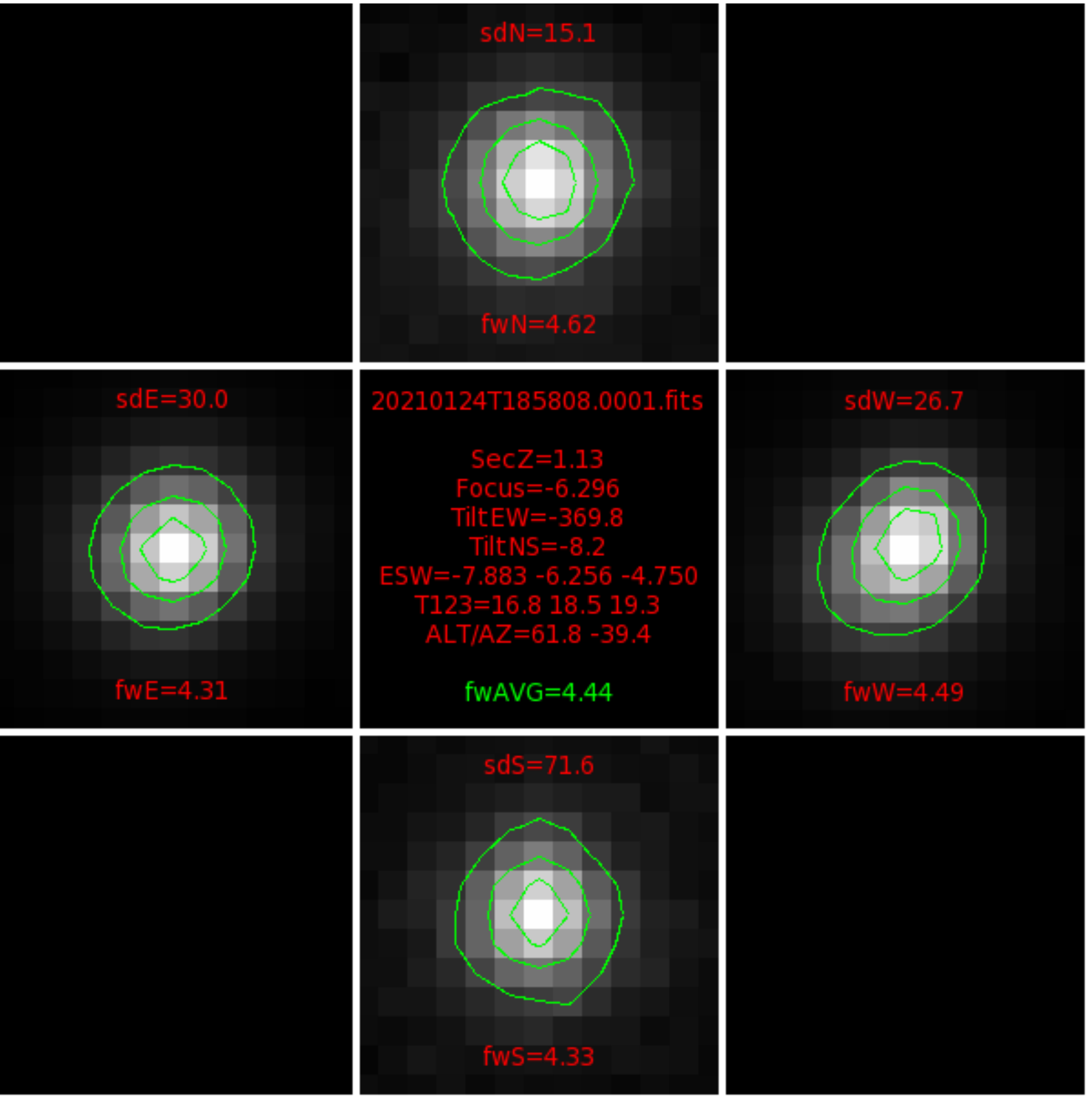
sdN=15.1
fwN=4.62
sdE=30.0
fwE=4.31
20210124T185808.0001.fits
SecZ=1.13
Focus=-6.296
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.883 -6.256 -4.750
T123=16.8 18.5 19.3
ALT/AZ=61.8 -39.4
fwAVG=4.44
sdW=26.7
fwW=4.49
sdS=71.6
fwS=4.33
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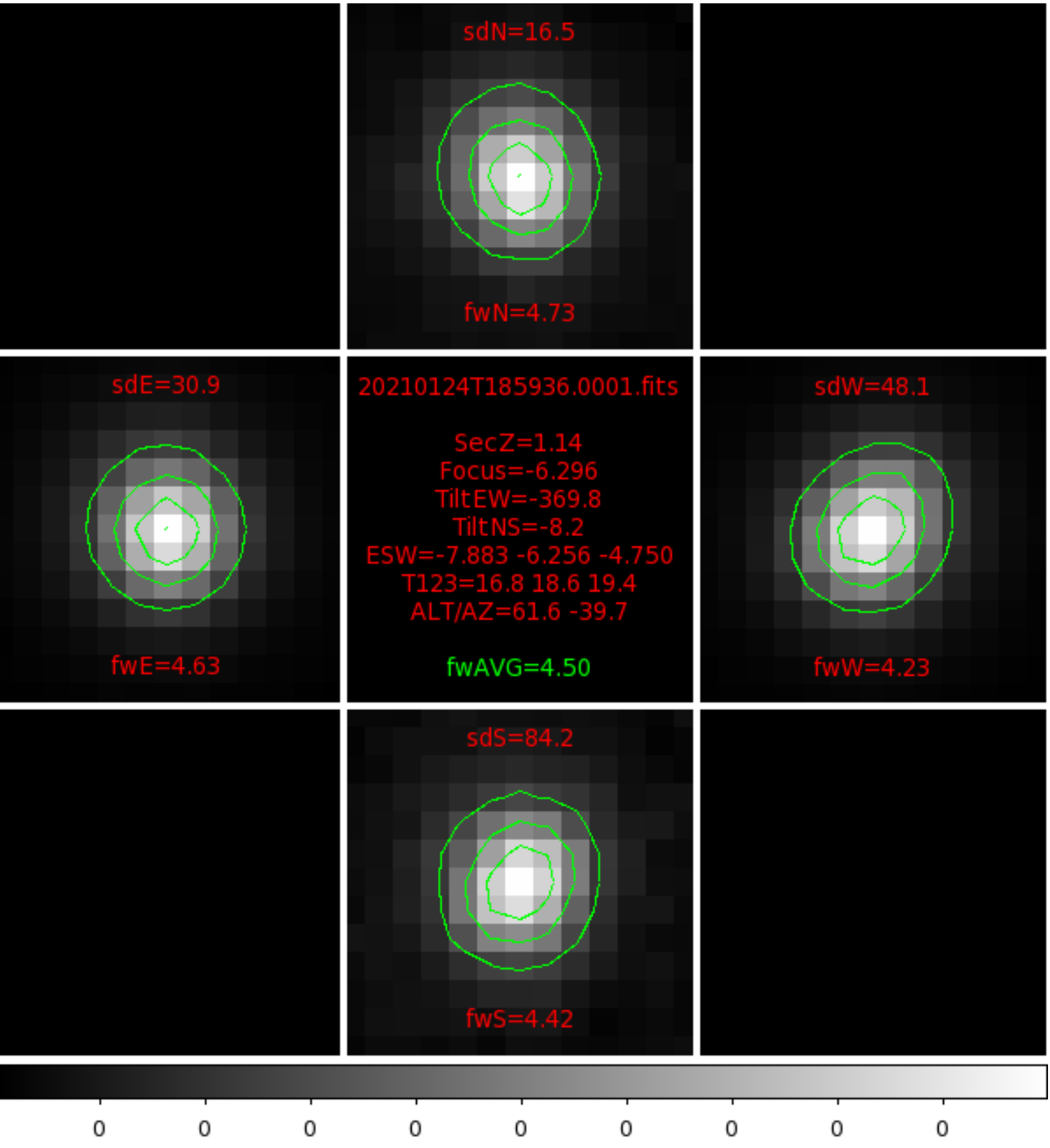
sdN=16.5
fwN=4.73
sdE=30.9
fwE=4.63
20210124T185936.0001.fits
SecZ=1.14
Focus=-6.296
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.883 -6.256 -4.750
T123=16.8 18.6 19.4
ALT/AZ=61.6 -39.7
fwAVG=4.50
sdW=48.1
fwW=4.23
sdS=84.2
fwS=4.42
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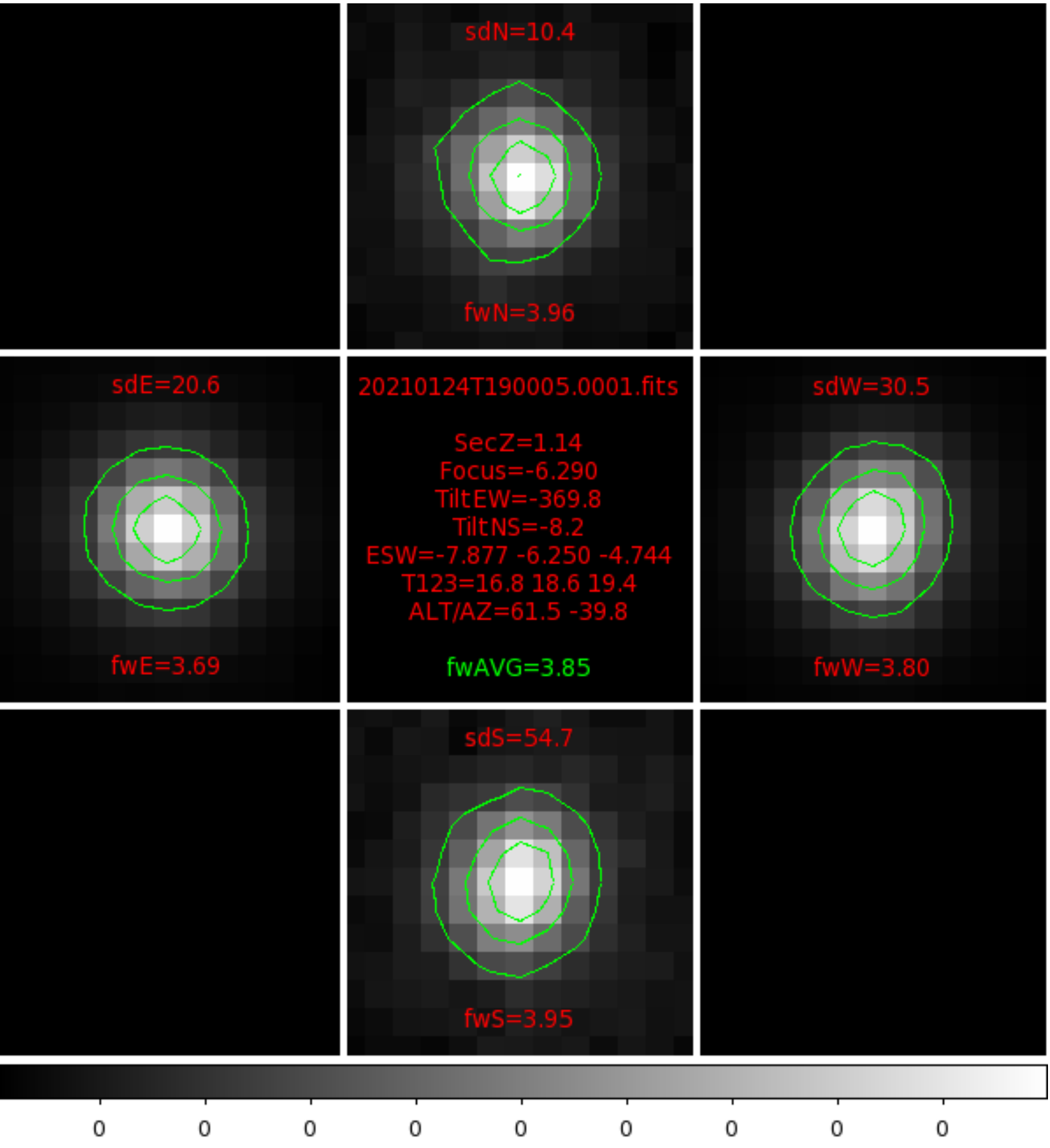
sdN=10.4
fwN=3.96
sdE=20.6
fwE=3.69
20210124T190005.0001.fits
SecZ=1.14
Focus=-6.290
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.877 -6.250 -4.744
T123=16.8 18.6 19.4
ALT/AZ=61.5 -39.8
fwAVG=3.85
sdW=30.5
fwW=3.80
sdS=54.7
fwS=3.95
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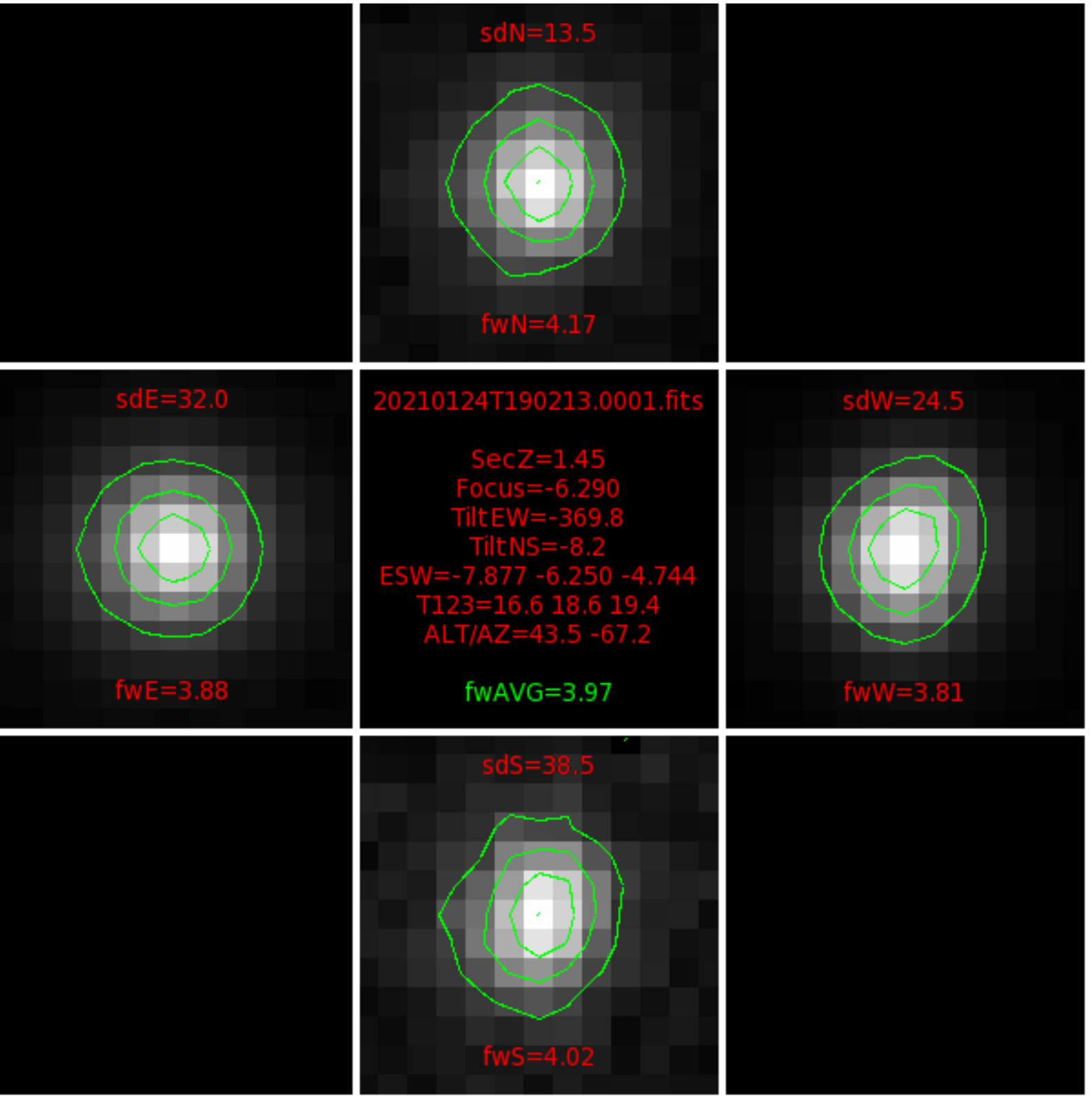
sdN=13.5
fwN=4.17
sdE=32.0
fwE=3.88
20210124T190213.0001.fits
SecZ=1.45
Focus=-6.290
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.877 -6.250 -4.744
T123=16.6 18.6 19.4
ALT/AZ=43.5 -67.2
fwAVG=3.97
sdW=24.5
fwW=3.81
sdS=38.5
fwS=4.02
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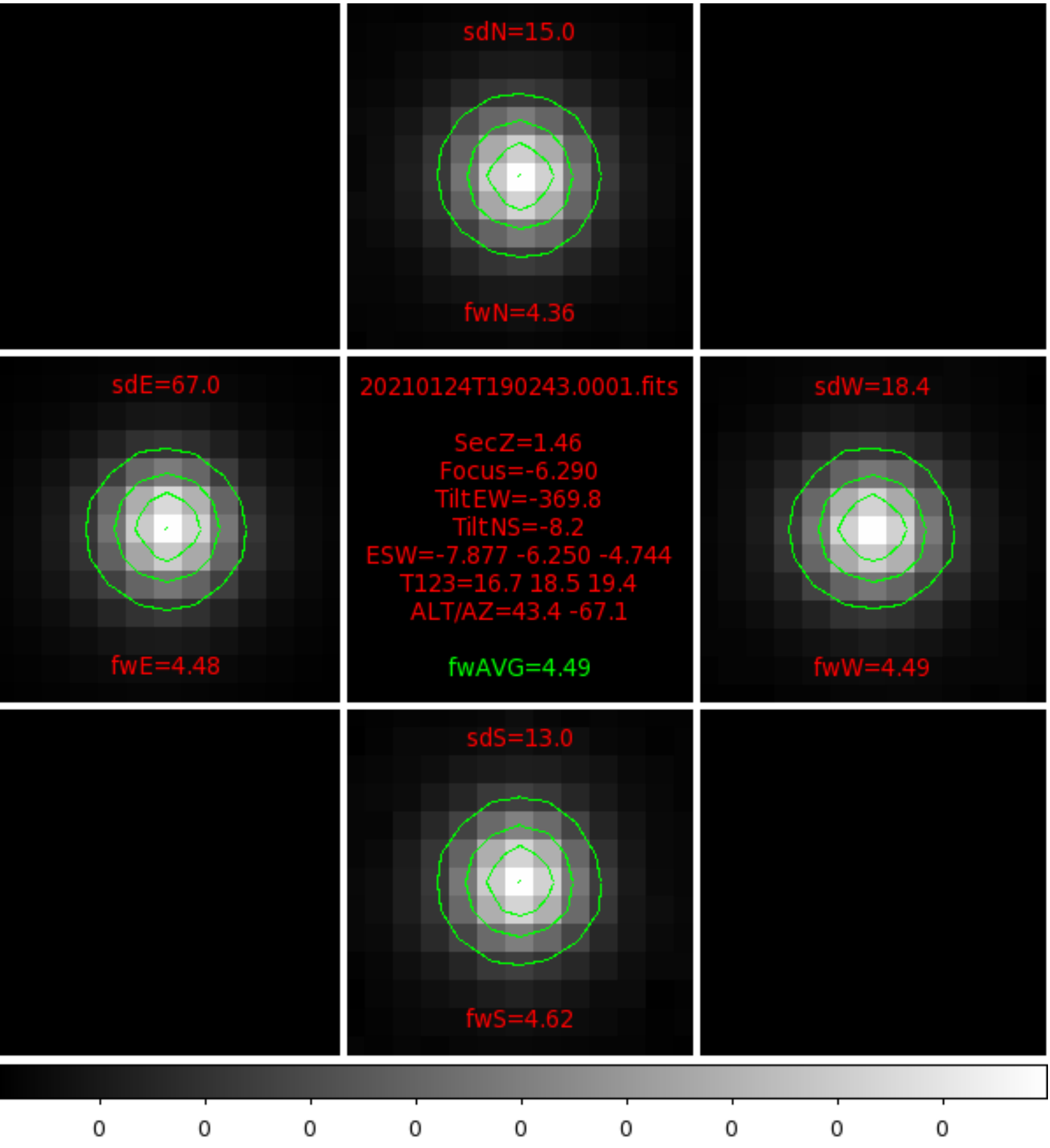
sdN=15.0
fwN=4.36
sdE=67.0
fwE=4.48
20210124T190243.0001.fits
SecZ=1.46
Focus=-6.290
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.877 -6.250 -4.744
T123=16.7 18.5 19.4
ALT/AZ=43.4 -67.1
fwAVG=4.49
sdW=18.4
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sdS=13.0
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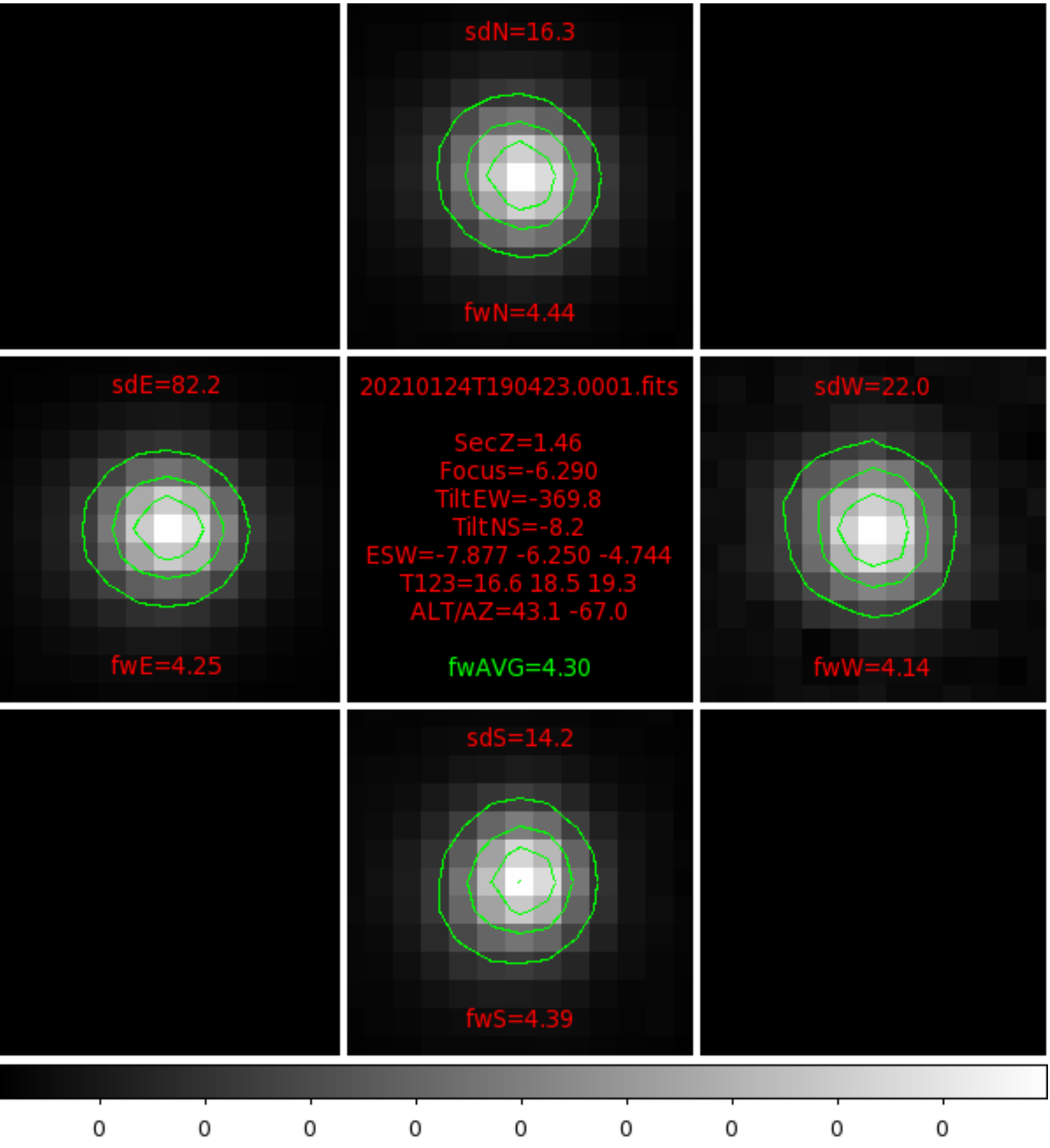
sdN=16.3
fwN=4.44
sdE=82.2
fwE=4.25
20210124T190423.0001.fits
SecZ=1.46
Focus=-6.290
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.877 -6.250 -4.744
T123=16.6 18.5 19.3
ALT/AZ=43.1 -67.0
fwAVG=4.30
sdW=22.0
fwW=4.14
sdS=14.2
fwS=4.39
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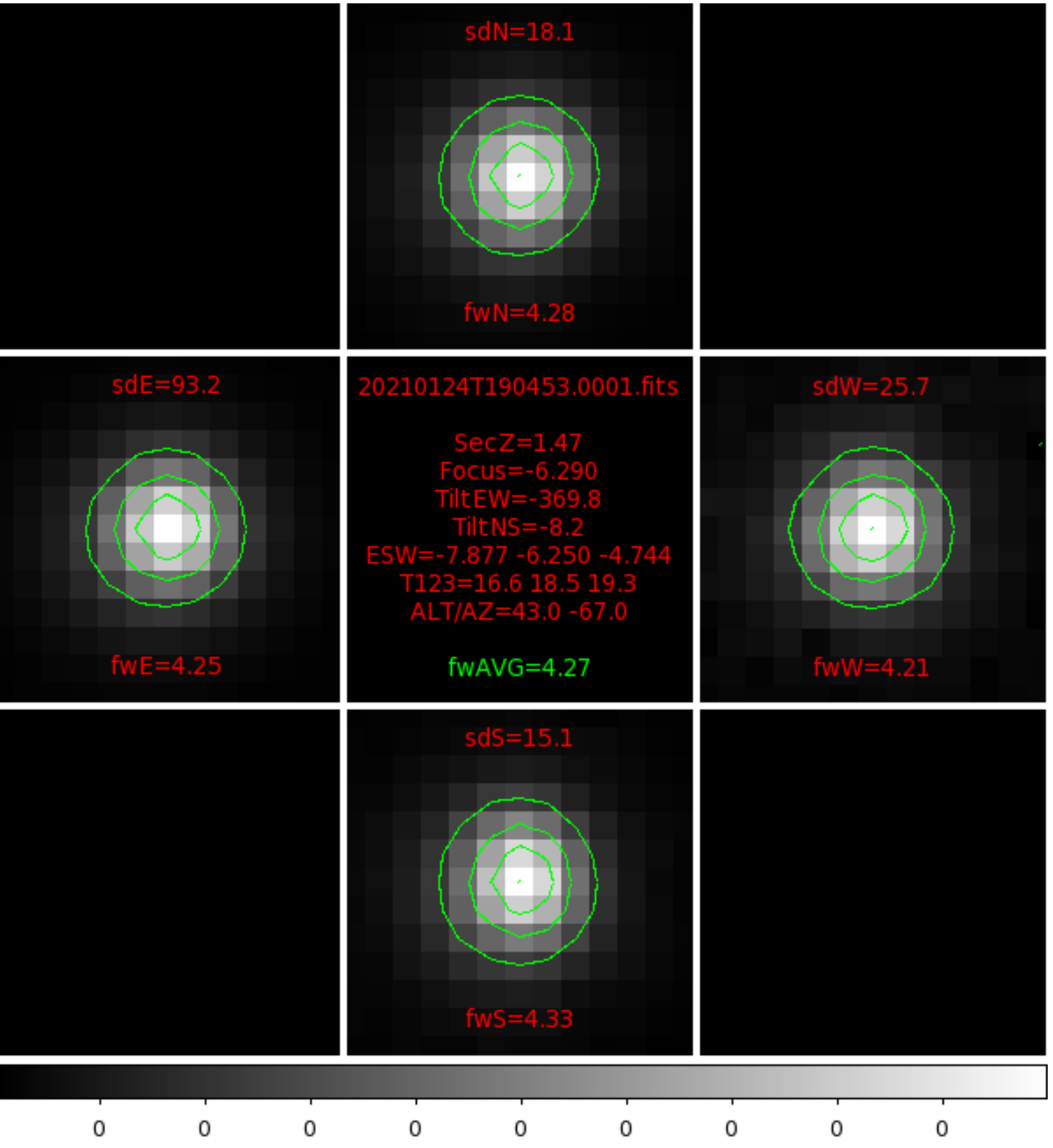
sdN=18.1
fwN=4.28
sdE=93.2
fwE=4.25
20210124T190453.0001.fits
SecZ=1.47
Focus=-6.290
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.877 -6.250 -4.744
T123=16.6 18.5 19.3
ALT/AZ=43.0 -67.0
fwAVG=4.27
sdW=25.7
fwW=4.21
sdS=15.1
fwS=4.33
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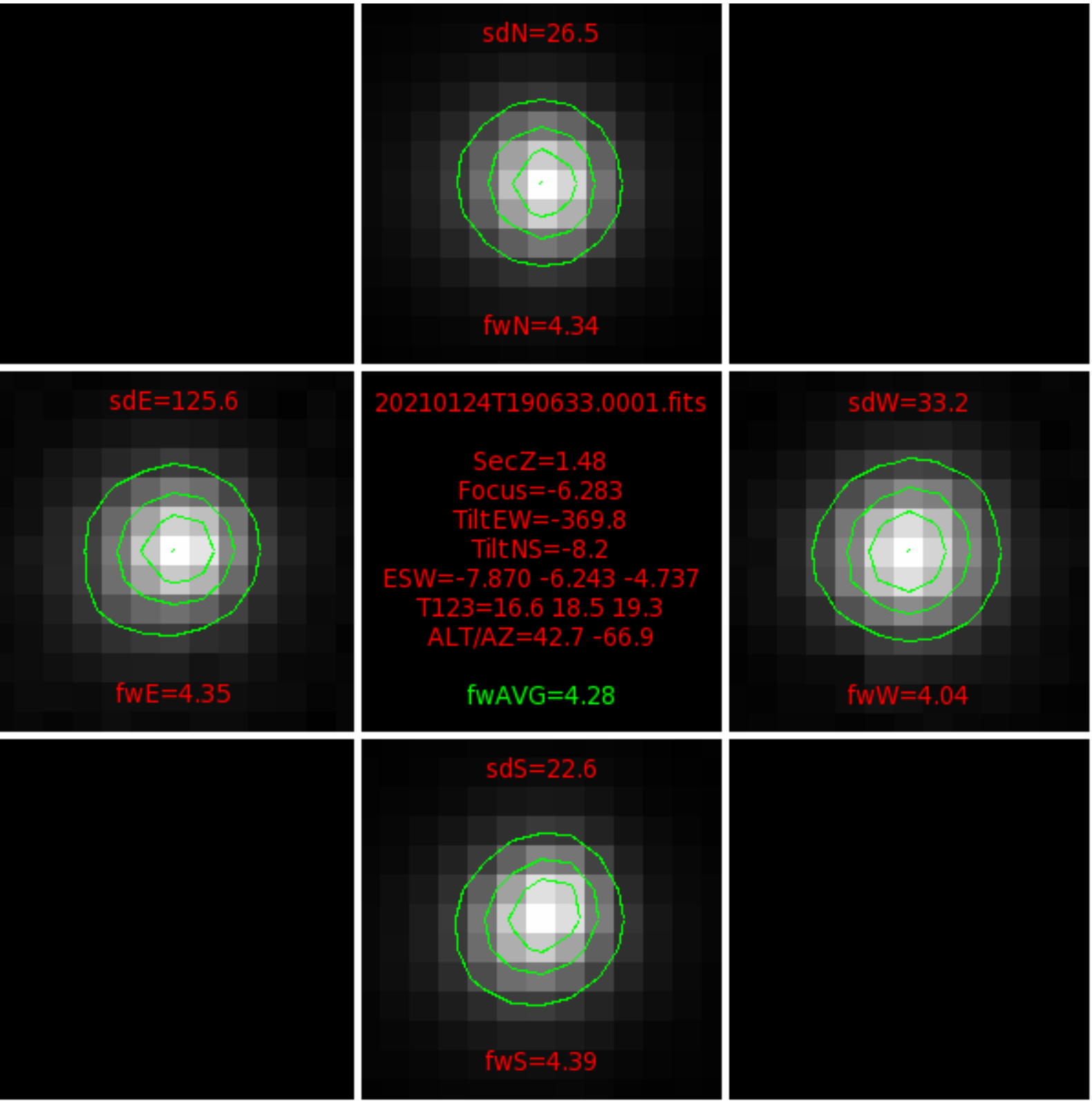
sdN=26.5
fwN=4.34
sdE=125.6
fwE=4.35
20210124T190633.0001.fits
SecZ=1.48
Focus=-6.283
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.870 -6.243 -4.737
T123=16.6 18.5 19.3
ALT/AZ=42.7 -66.9
fwAVG=4.28
sdW=33.2
fwW=4.04
sdS=22.6
fwS=4.39
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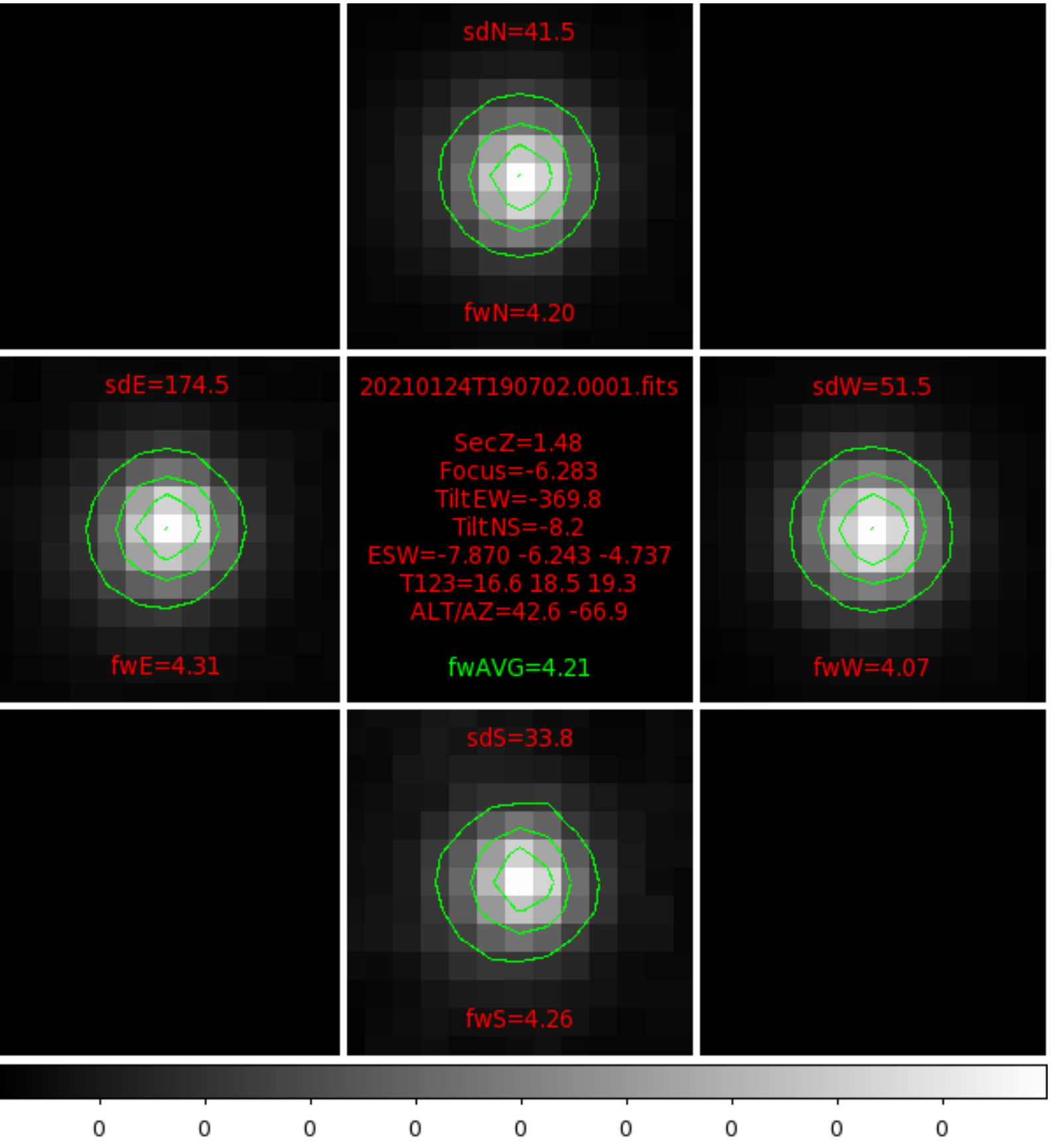
sdN=41.5
fwN=4.20
sdE=174.5
fwE=4.31
20210124T190702.0001.fits
SecZ=1.48
Focus=-6.283
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.870 -6.243 -4.737
T123=16.6 18.5 19.3
ALT/AZ=42.6 -66.9
fwAVG=4.21
sdW=51.5
fwW=4.07
sdS=33.8
fwS=4.26
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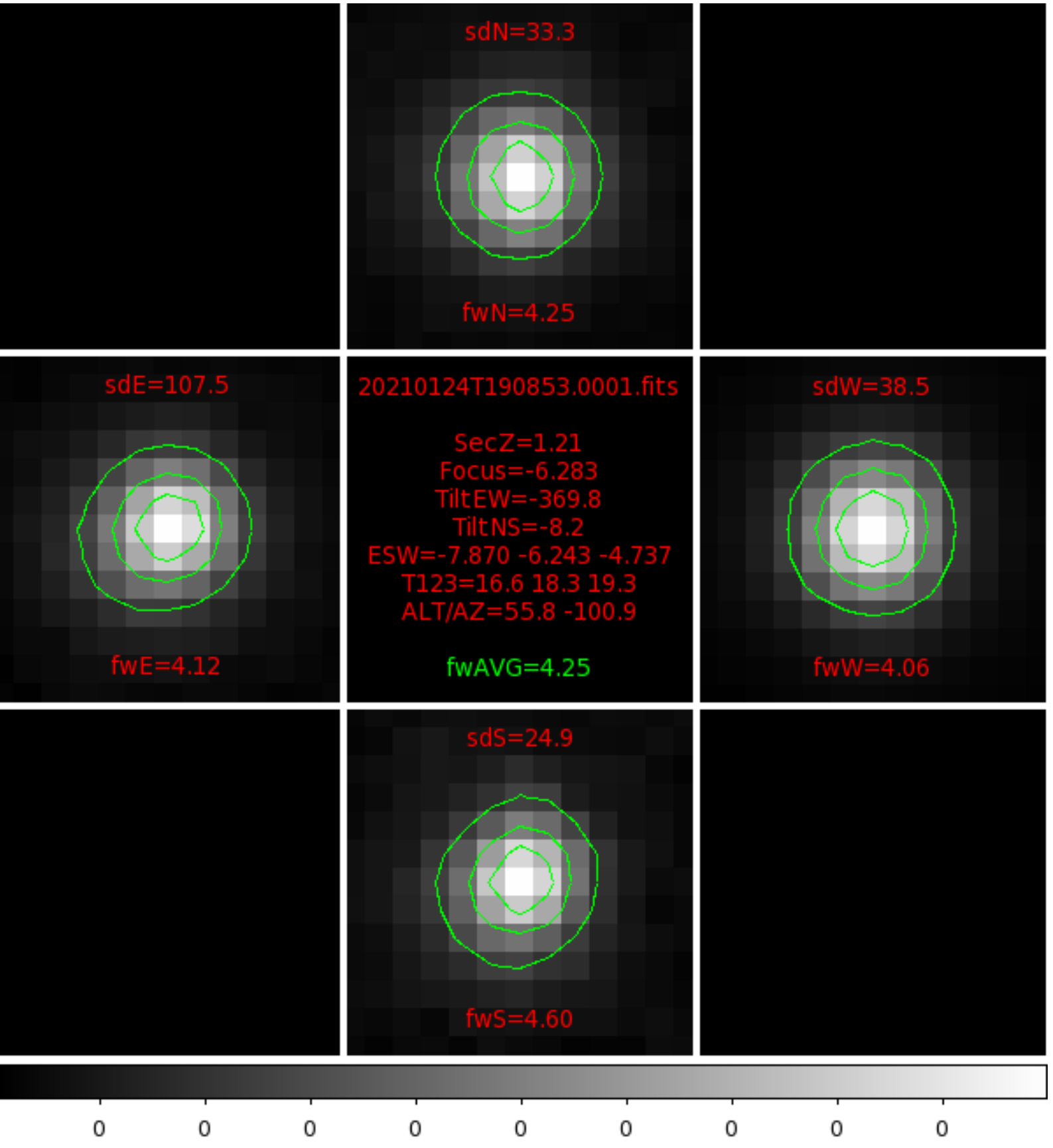
sdN=33.3
fwN=4.25
sdE=107.5
fwE=4.12
20210124T190853.0001.fits
SecZ=1.21
Focus=-6.283
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.870 -6.243 -4.737
T123=16.6 18.3 19.3
ALT/AZ=55.8 -100.9
fwAVG=4.25
sdW=38.5
fwW=4.06
sdS=24.9
fwS=4.60
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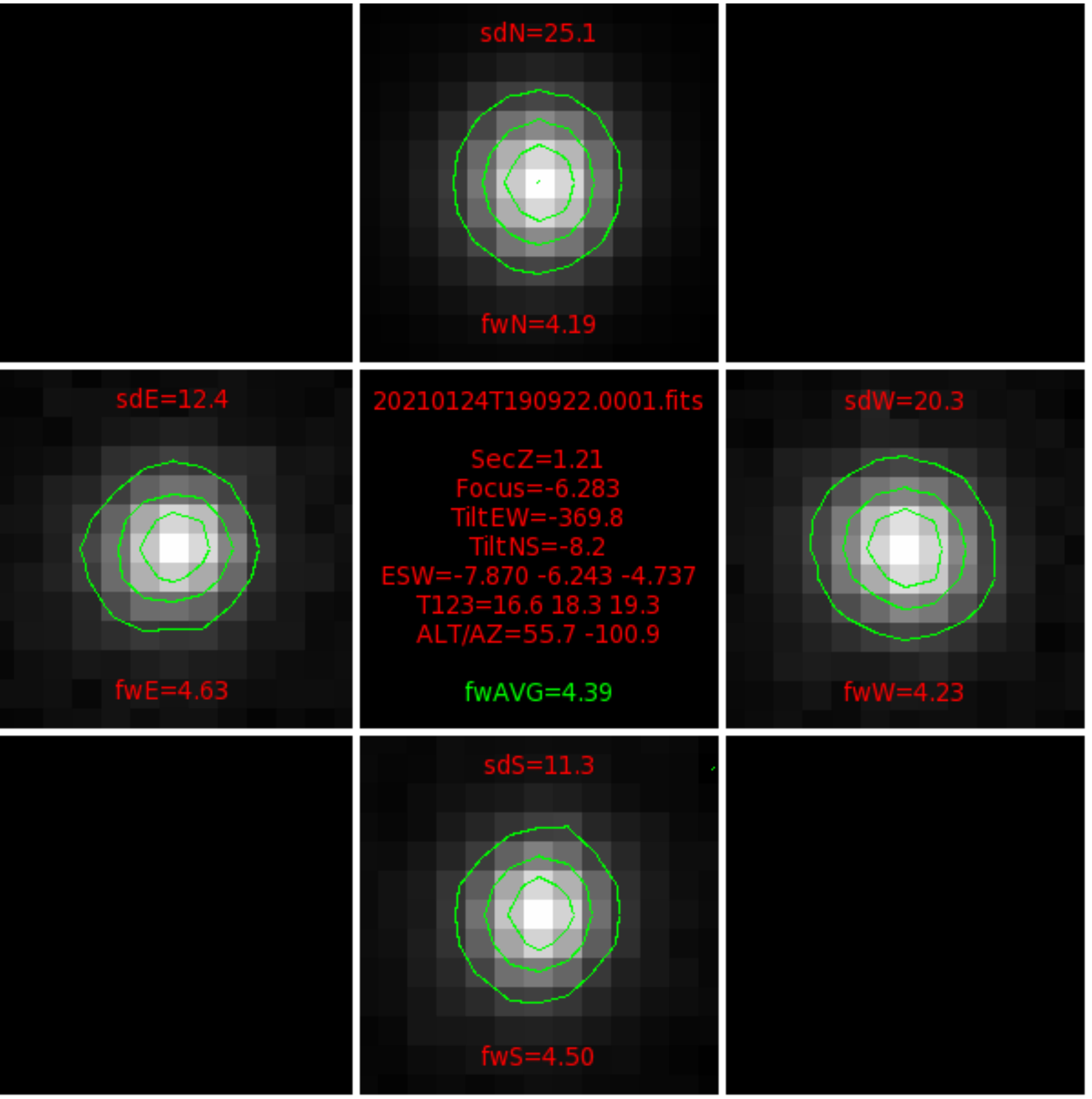
sdN=25.1
fwN=4.19
sdE=12.4
fwE=4.63
20210124T190922.0001.fits
SecZ=1.21
Focus=-6.283
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.870 -6.243 -4.737
T123=16.6 18.3 19.3
ALT/AZ=55.7 -100.9
fwAVG=4.39
sdW=20.3
fwW=4.23
sdS=11.3
fwS=4.50
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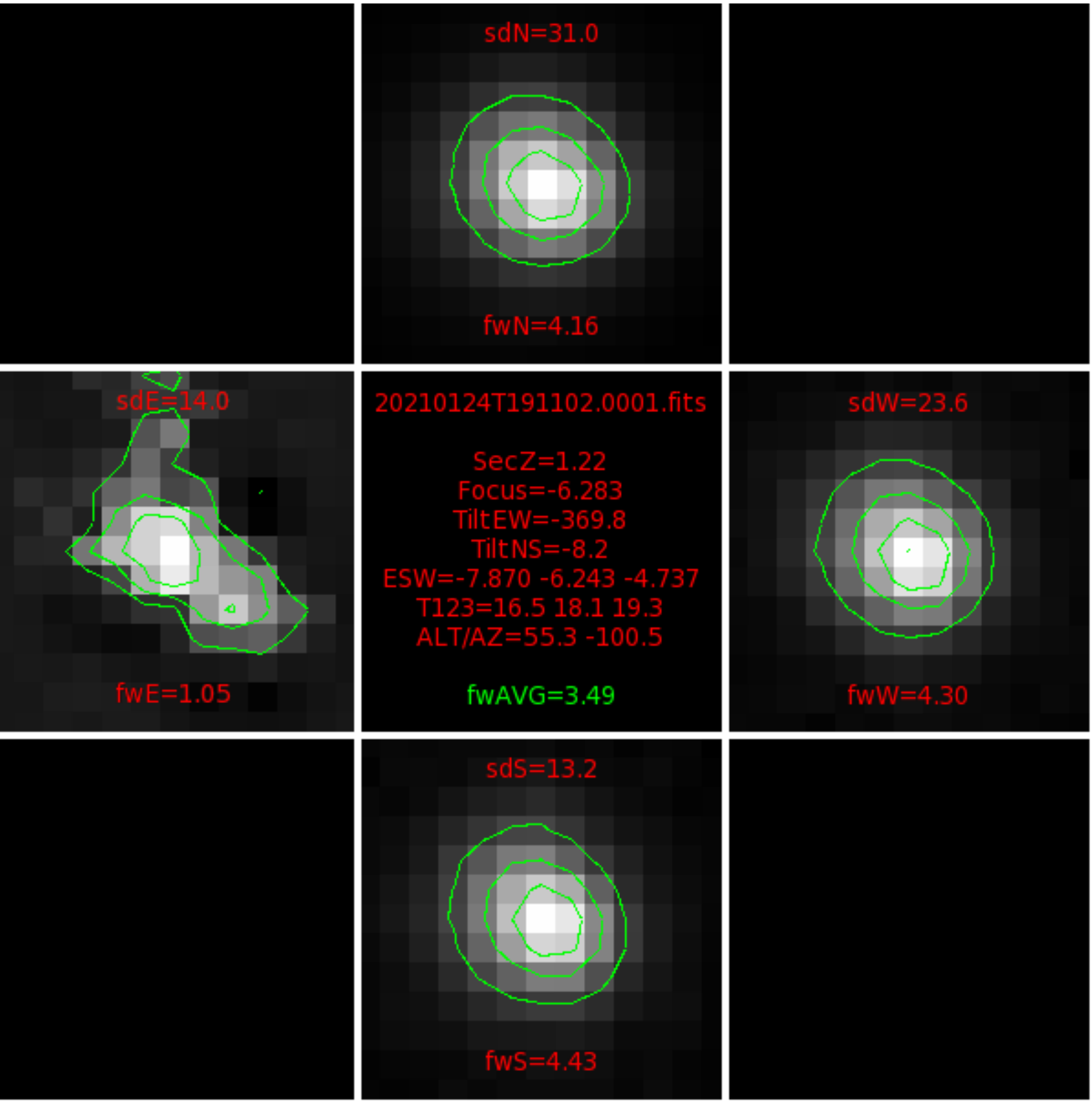
sdN=31.0
fwN=4.16
sdE=14.0
fwE=1.05
20210124T191102.0001.fits
SecZ=1.22
Focus=-6.283
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.870 -6.243 -4.737
T123=16.5 18.1 19.3
ALT/AZ=55.3 -100.5
fwAVG=3.49
sdW=23.6
fwW=4.30
sdS=13.2
fwS=4.43
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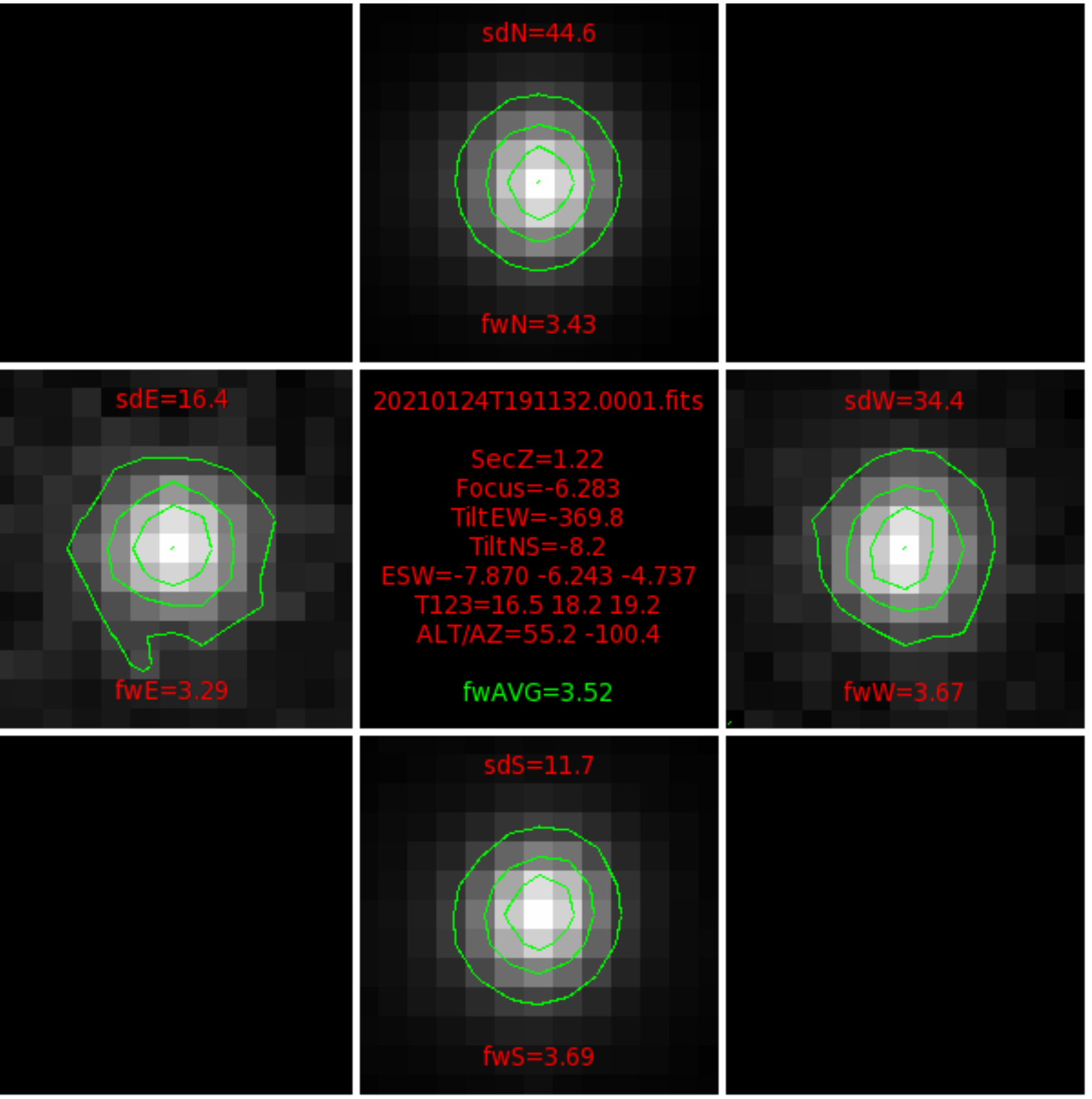
sdN=44.6
fwN=3.43
sdE=16.4
fwE=3.29
20210124T191132.0001.fits
SecZ=1.22
Focus=-6.283
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.870 -6.243 -4.737
T123=16.5 18.2 19.2
ALT/AZ=55.2 -100.4
fwAVG=3.52
sdW=34.4
fwW=3.67
sdS=11.7
fwS=3.69
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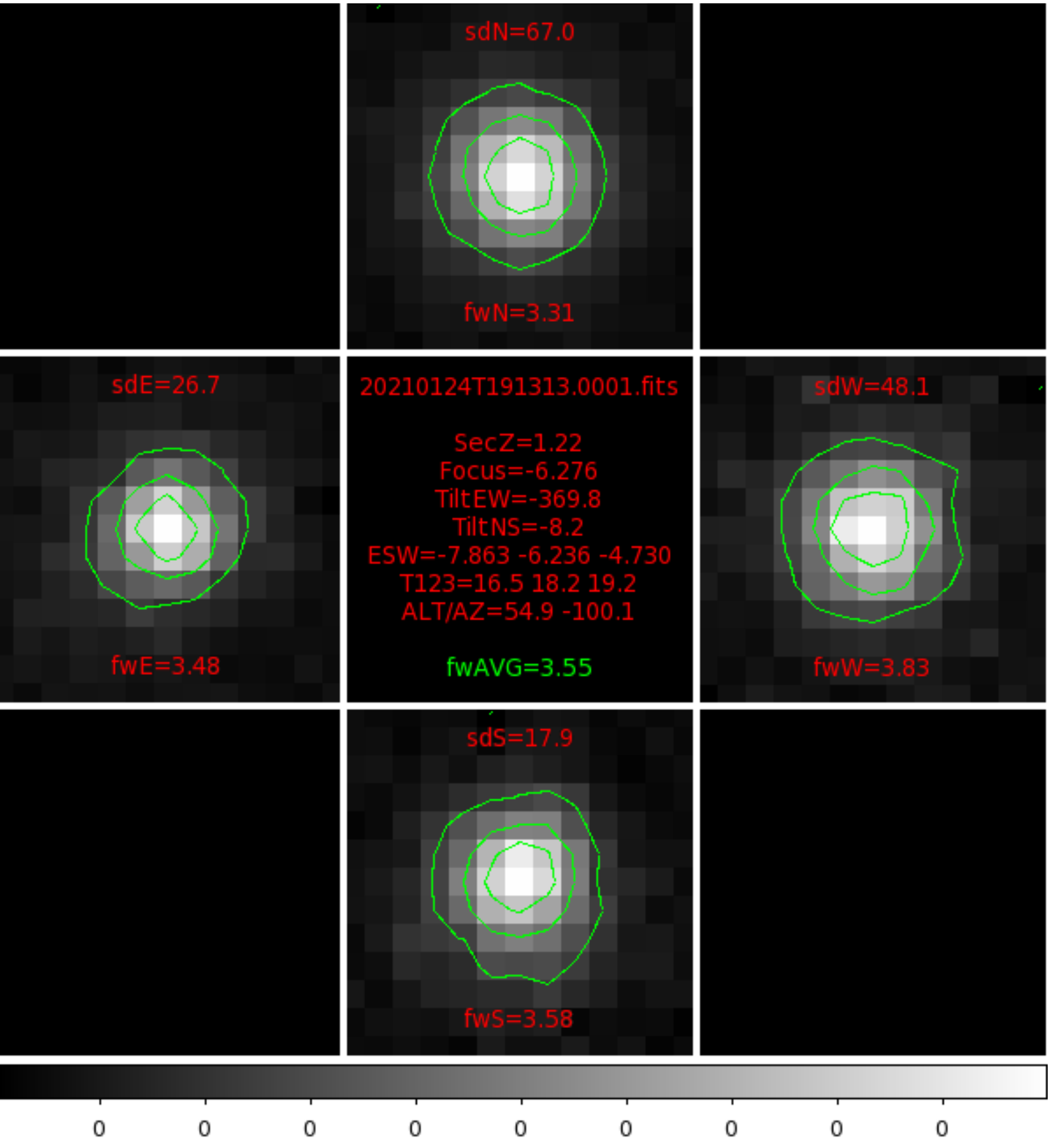
sdN=67.0
fwN=3.31
sdE=26.7
fwE=3.48
20210124T191313.0001.fits
SecZ=1.22
Focus=-6.276
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.863 -6.236 -4.730
T123=16.5 18.2 19.2
ALT/AZ=54.9 -100.1
fwAVG=3.55
sdW=48.1
fwW=3.83
sdS=17.9
fwS=3.58
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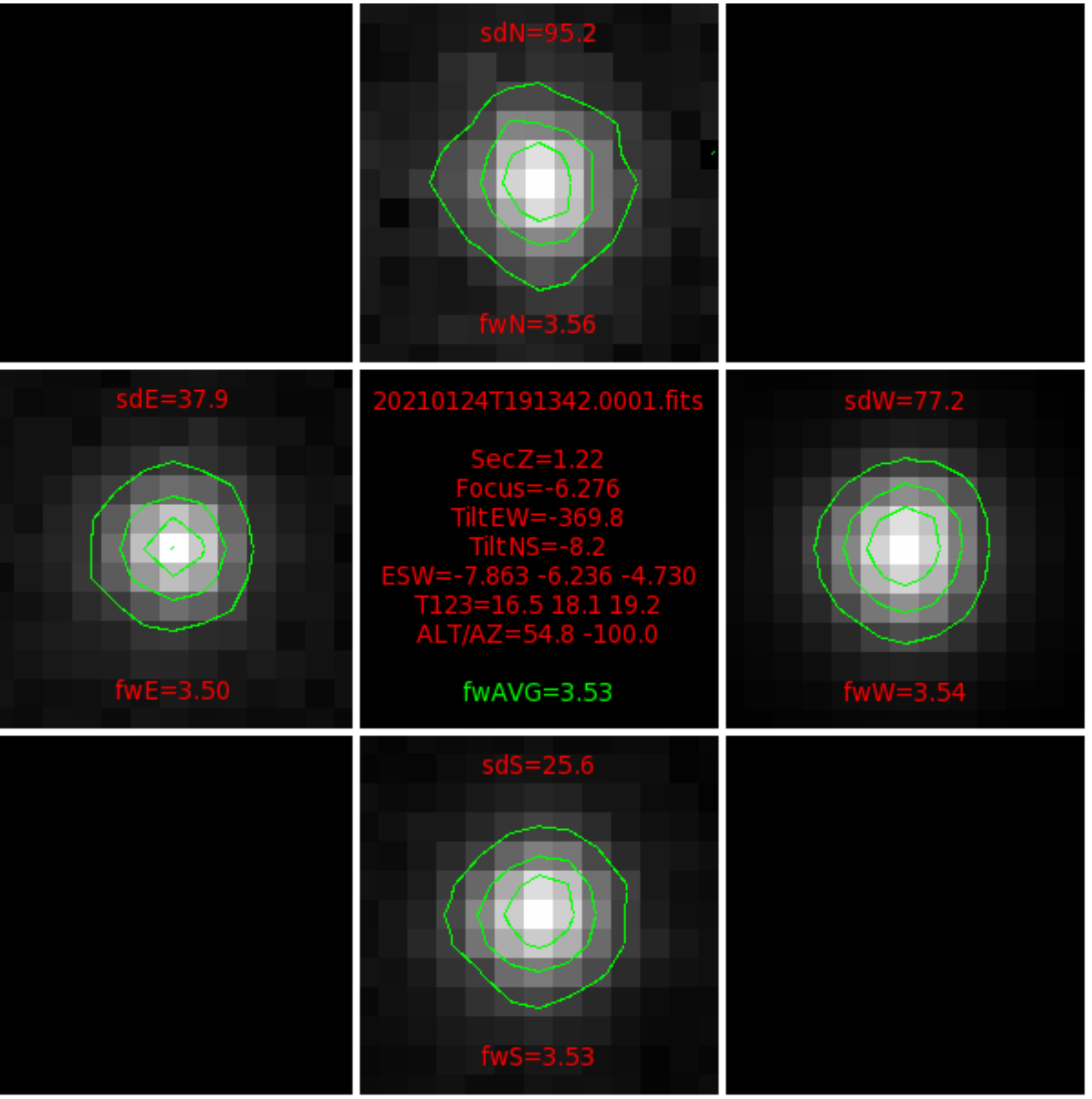
sdN=95.2
fwN=3.56
sdE=37.9
fwE=3.50
20210124T191342.0001.fits
SecZ=1.22
Focus=-6.276
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.863 -6.236 -4.730
T123=16.5 18.1 19.2
ALT/AZ=54.8 -100.0
fwAVG=3.53
sdW=77.2
fwW=3.54
sdS=25.6
fwS=3.53
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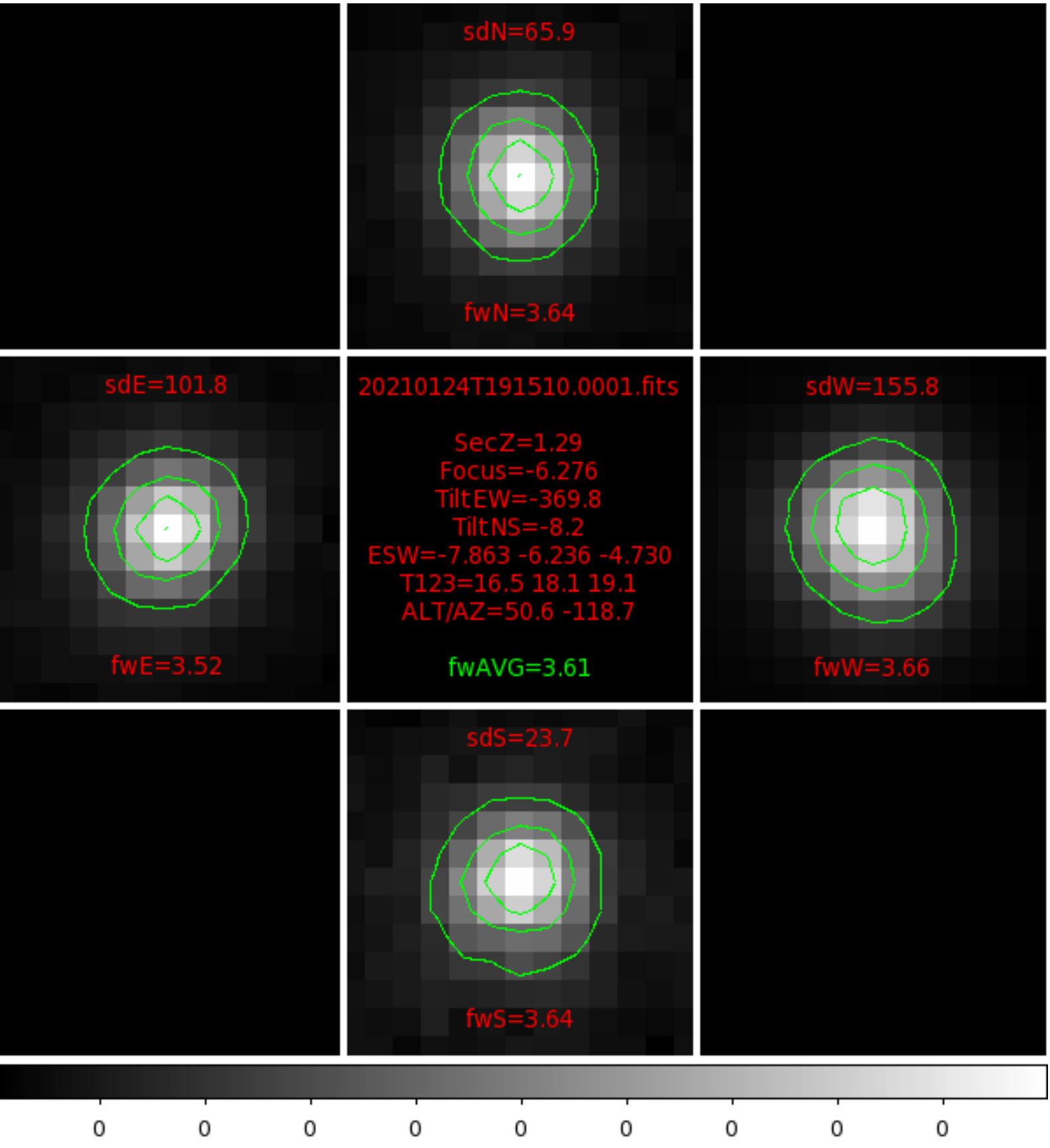
sdN=65.9
fwN=3.64
sdE=101.8
fwE=3.52
20210124T191510.0001.fits
SecZ=1.29
Focus=-6.276
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.863 -6.236 -4.730
T123=16.5 18.1 19.1
ALT/AZ=50.6 -118.7
fwAVG=3.61
sdW=155.8
fwW=3.66
sdS=23.7
fwS=3.64
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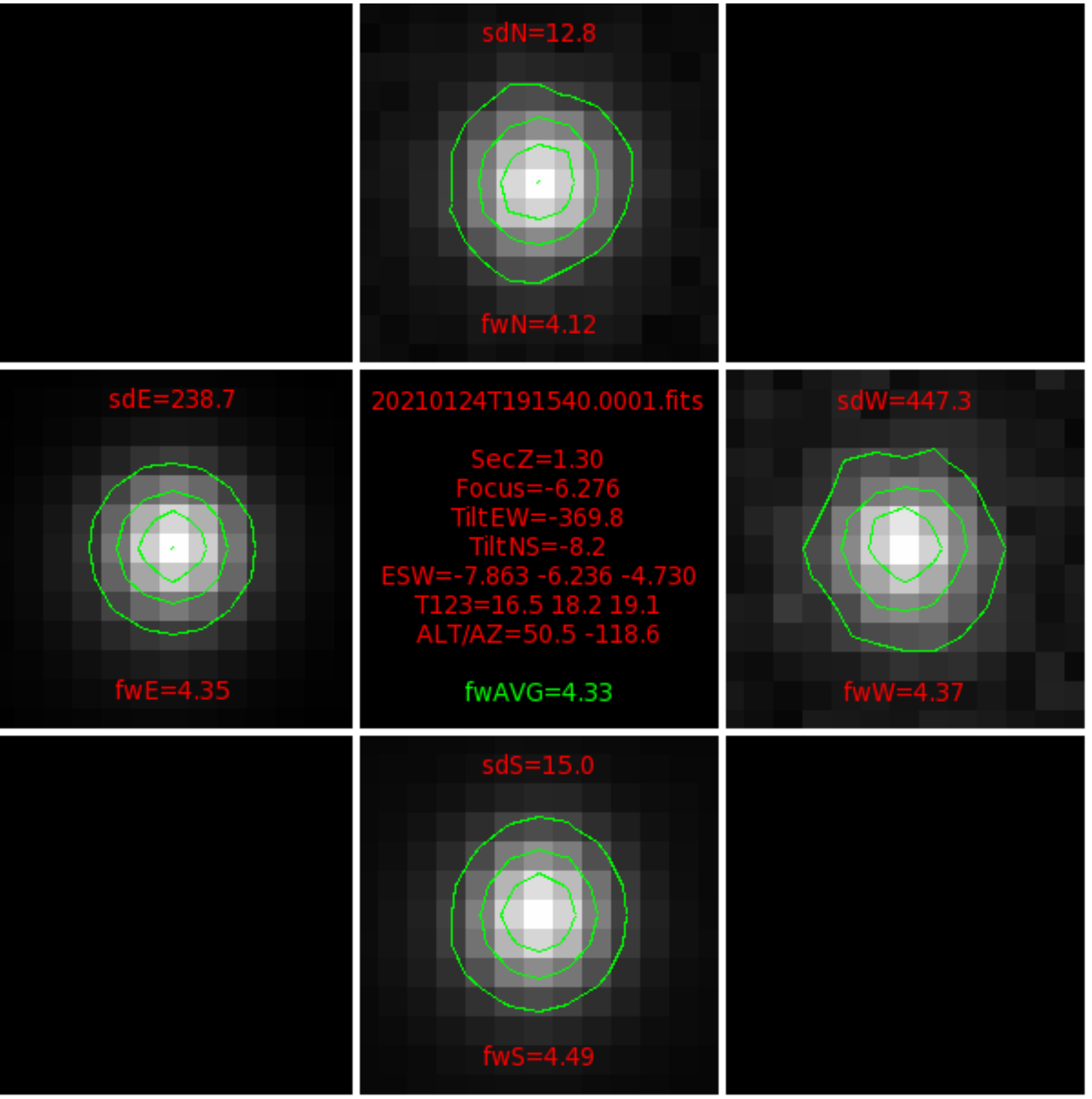
sdN=12.8
fwN=4.12
sdE=238.7
fwE=4.35
20210124T191540.0001.fits
SecZ=1.30
Focus=-6.276
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.863 -6.236 -4.730
T123=16.5 18.2 19.1
ALT/AZ=50.5 -118.6
fwAVG=4.33
sdW=447.3
fwW=4.37
sdS=15.0
fwS=4.49
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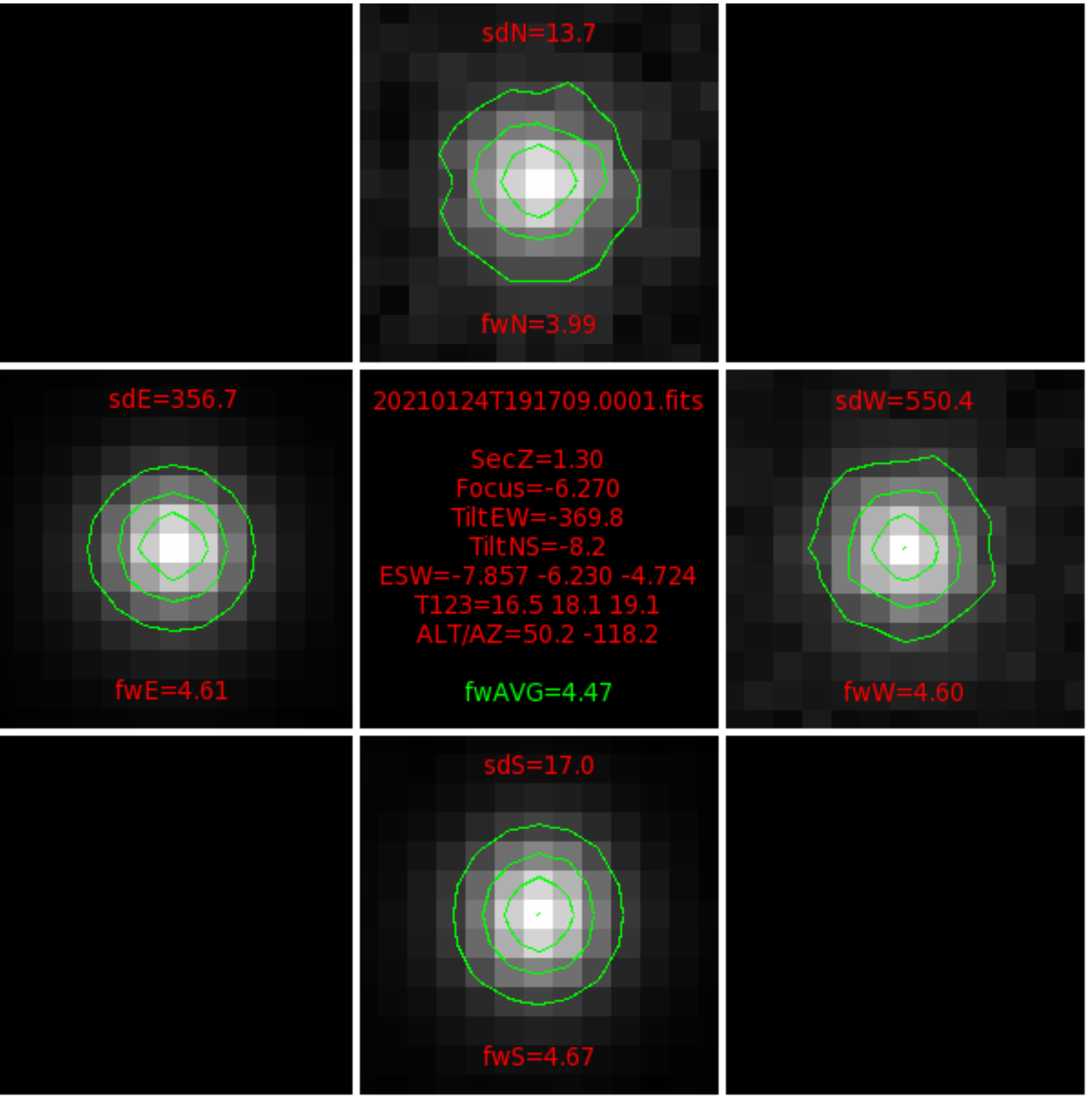
sdN=13.7
fwN=3.99
sdE=356.7
fwE=4.61
20210124T191709.0001.fits
SecZ=1.30
Focus=-6.270
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.857 -6.230 -4.724
T123=16.5 18.1 19.1
ALT/AZ=50.2 -118.2
fwAVG=4.47
sdW=550.4
fwW=4.60
sdS=17.0
fwS=4.67
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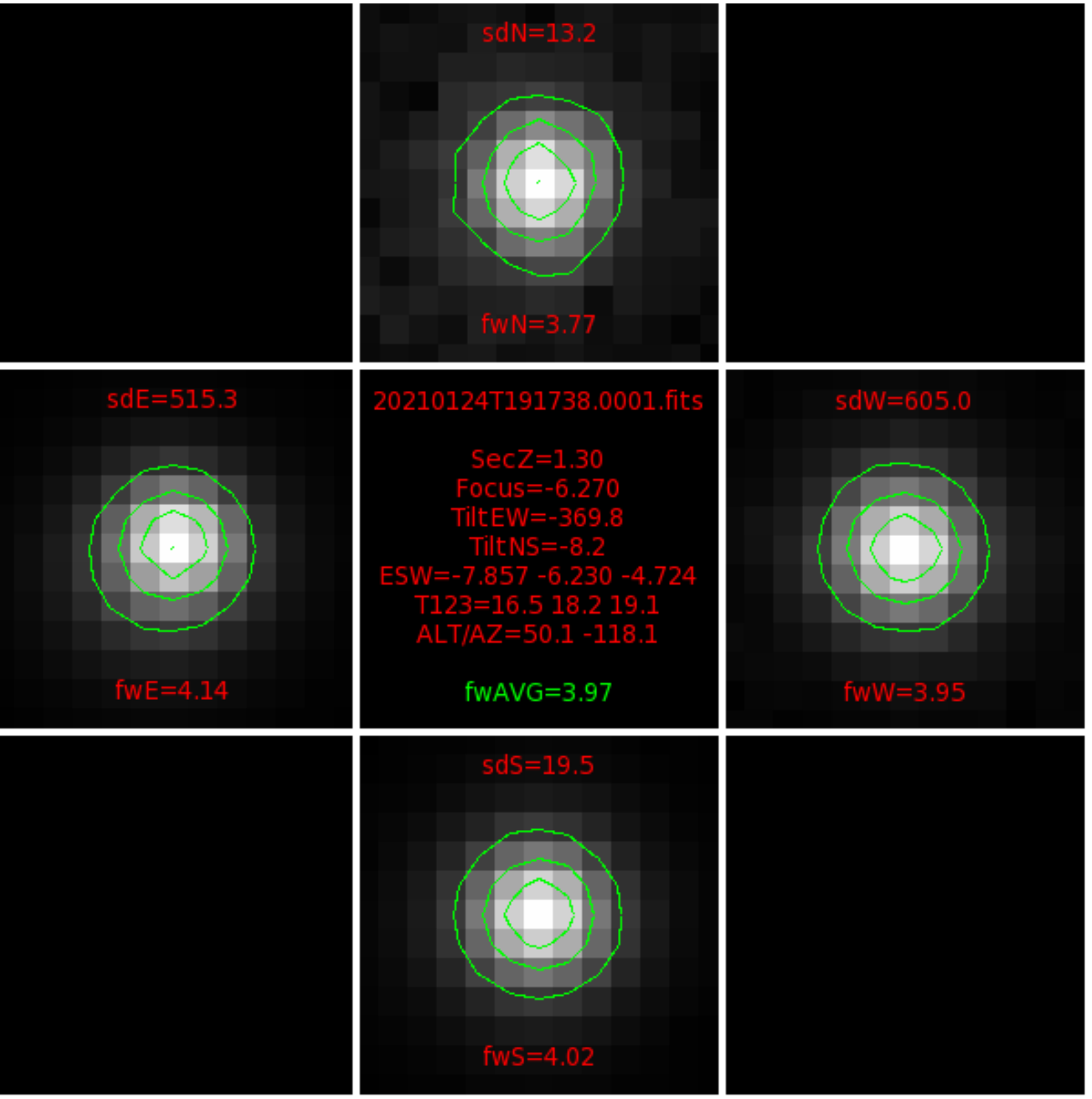
sdN=13.2
fwN=3.77
sdE=515.3
fwE=4.14
20210124T191738.0001.fits
SecZ=1.30
Focus=-6.270
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.857 -6.230 -4.724
T123=16.5 18.2 19.1
ALT/AZ=50.1 -118.1
fwAVG=3.97
sdW=605.0
fwW=3.95
sdS=19.5
fwS=4.02
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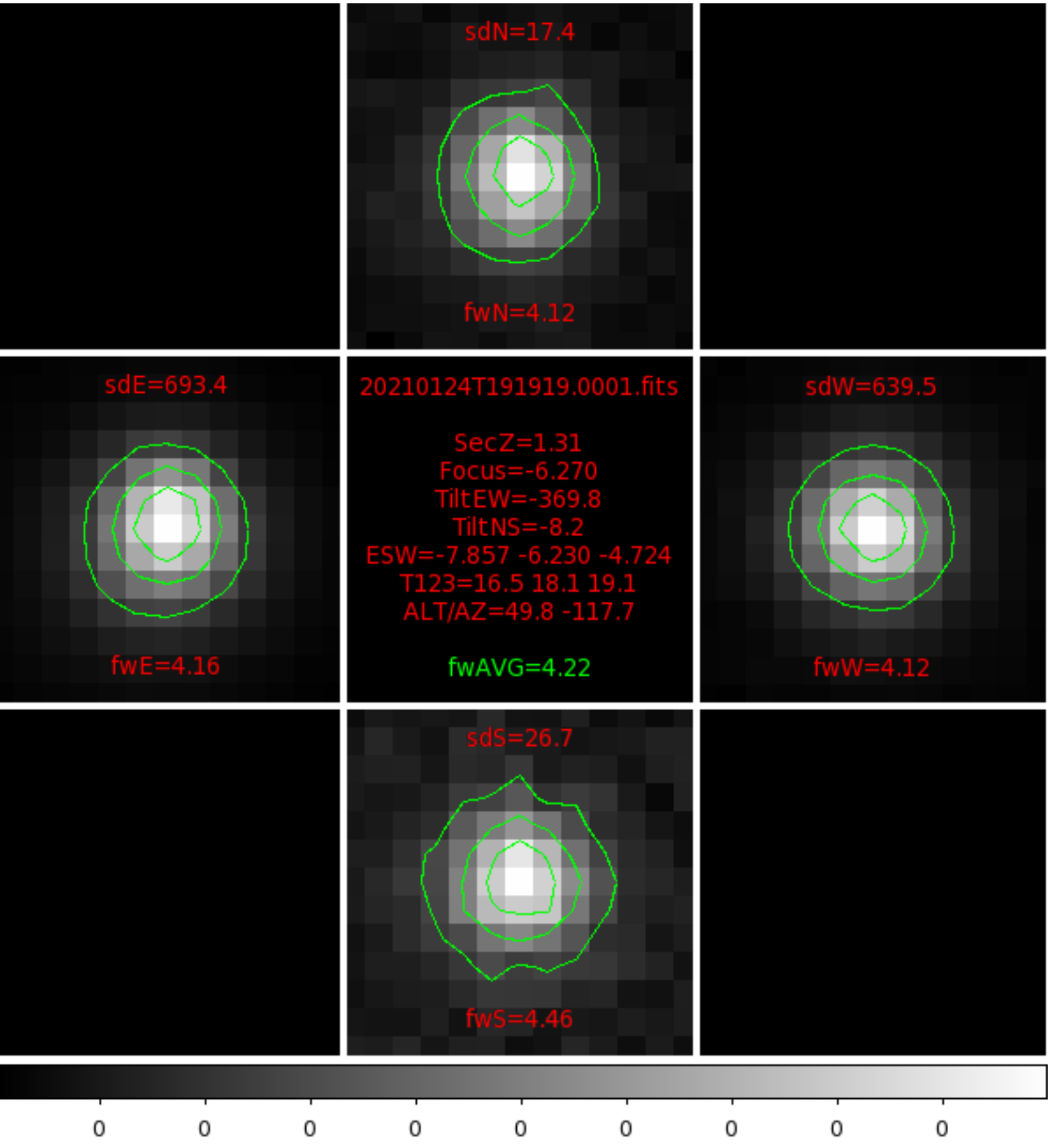
sdN=17.4
fwN=4.12
sdE=693.4
fwE=4.16
20210124T191919.0001.fits
SecZ=1.31
Focus=-6.270
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.857 -6.230 -4.724
T123=16.5 18.1 19.1
ALT/AZ=49.8 -117.7
fwAVG=4.22
sdW=639.5
fwW=4.12
sdS=26.7
fwS=4.46
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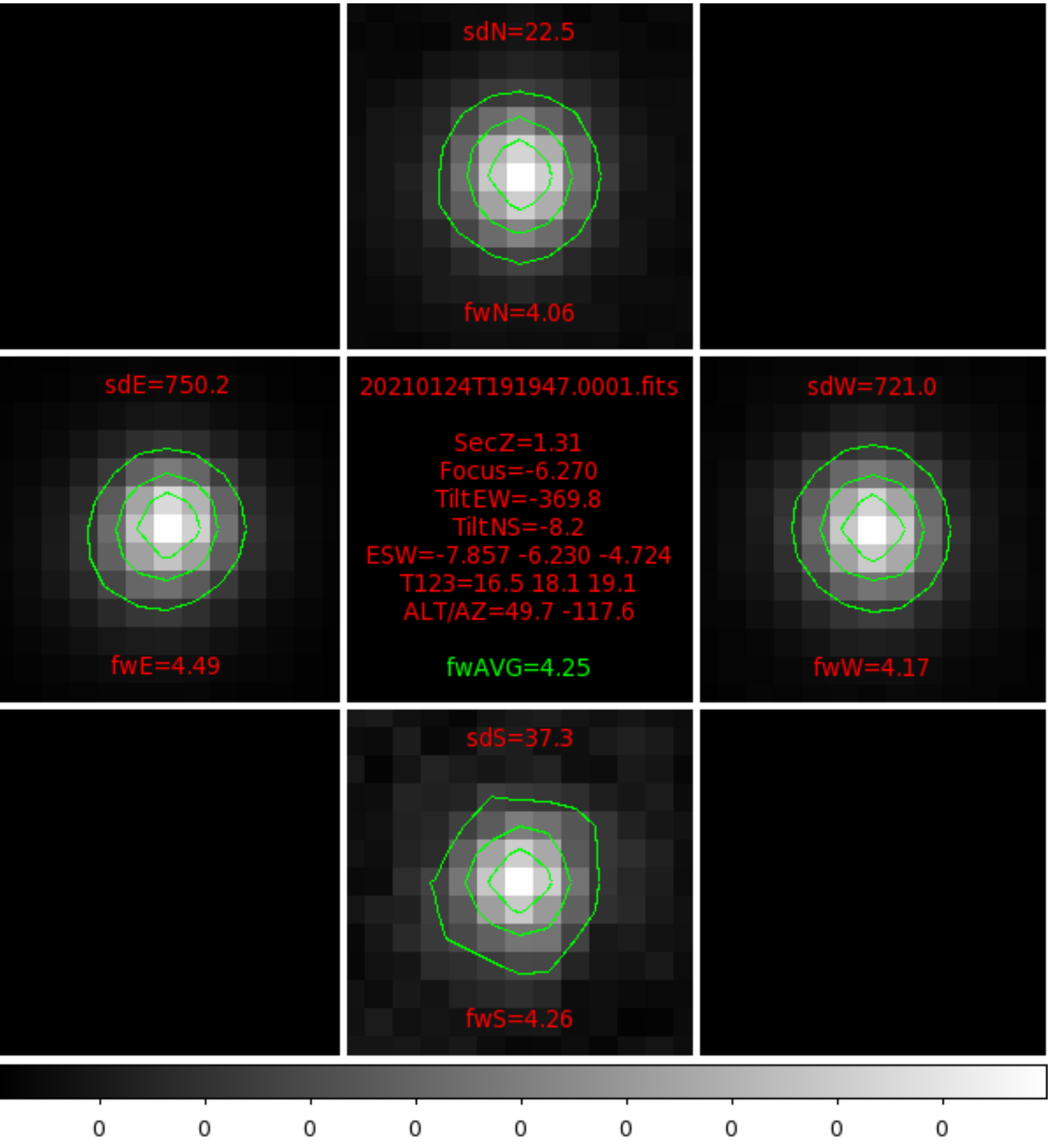
sdN=22.5
fwN=4.06
sdE=750.2
fwE=4.49
20210124T191947.0001.fits
SecZ=1.31
Focus=-6.270
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.857 -6.230 -4.724
T123=16.5 18.1 19.1
ALT/AZ=49.7 -117.6
fwAVG=4.25
sdW=721.0
fwW=4.17
sdS=37.3
fwS=4.26
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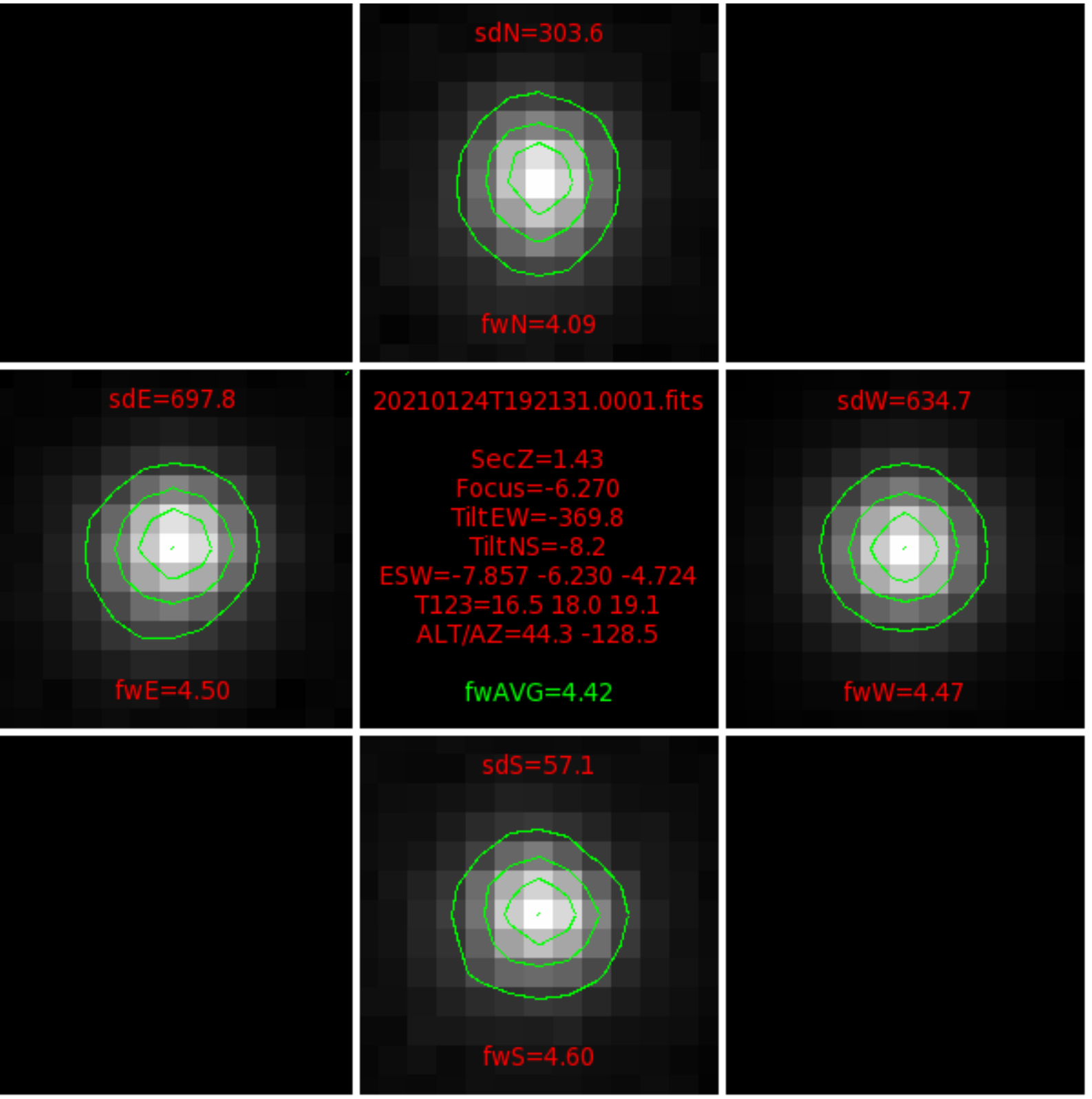
sdN=303.6
fwN=4.09
sdE=697.8
fwE=4.50
20210124T192131.0001.fits
SecZ=1.43
Focus=-6.270
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.857 -6.230 -4.724
T123=16.5 18.0 19.1
ALT/AZ=44.3 -128.5
fwAVG=4.42
sdW=634.7
fwW=4.47
sdS=57.1
fwS=4.60
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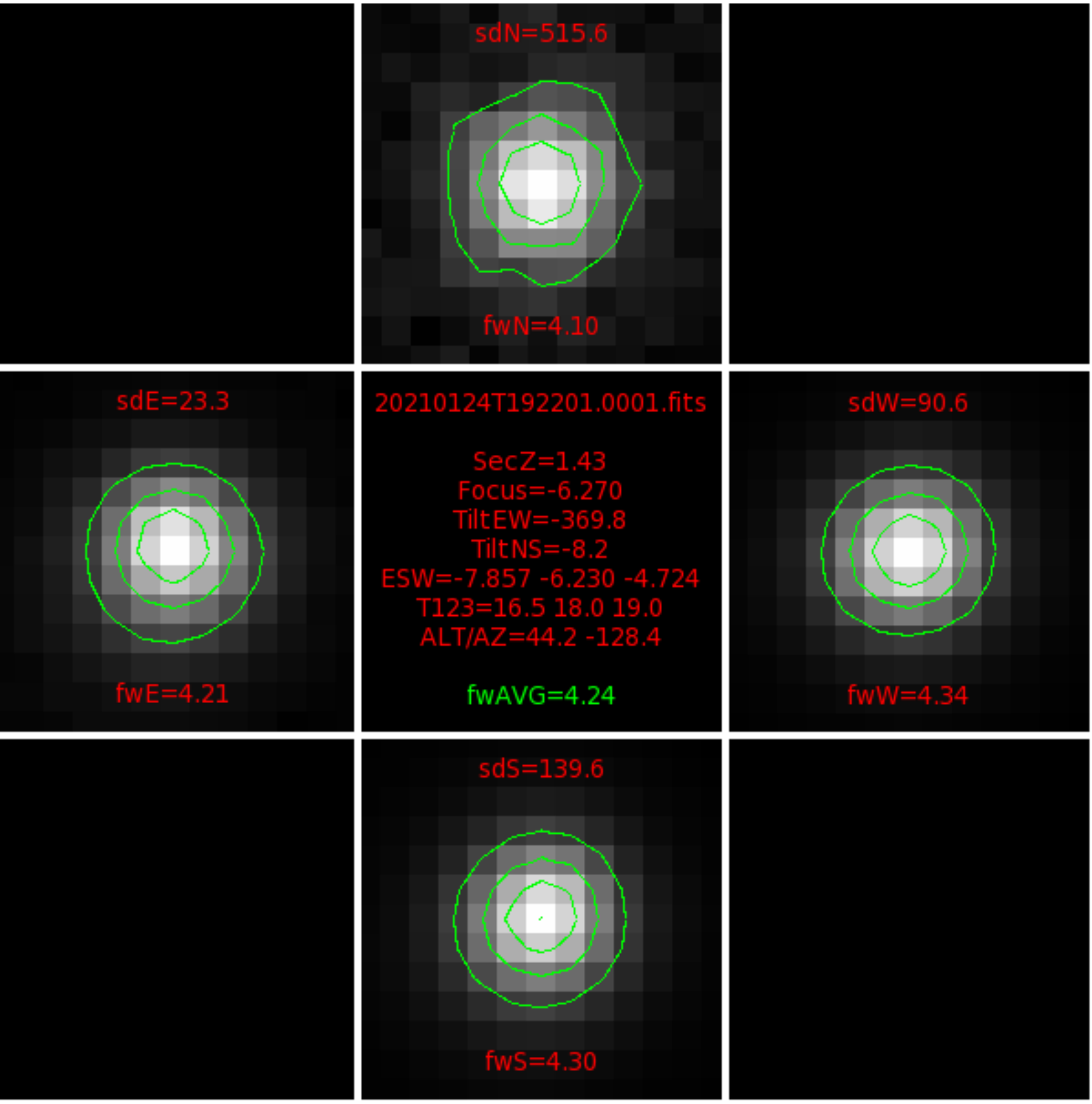
sdN=515.6
fwN=4.10
sdE=23.3
fwE=4.21
20210124T192201.0001.fits
SecZ=1.43
Focus=-6.270
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.857 -6.230 -4.724
T123=16.5 18.0 19.0
ALT/AZ=44.2 -128.4
fwAVG=4.24
sdW=90.6
fwW=4.34
sdS=139.6
fwS=4.30
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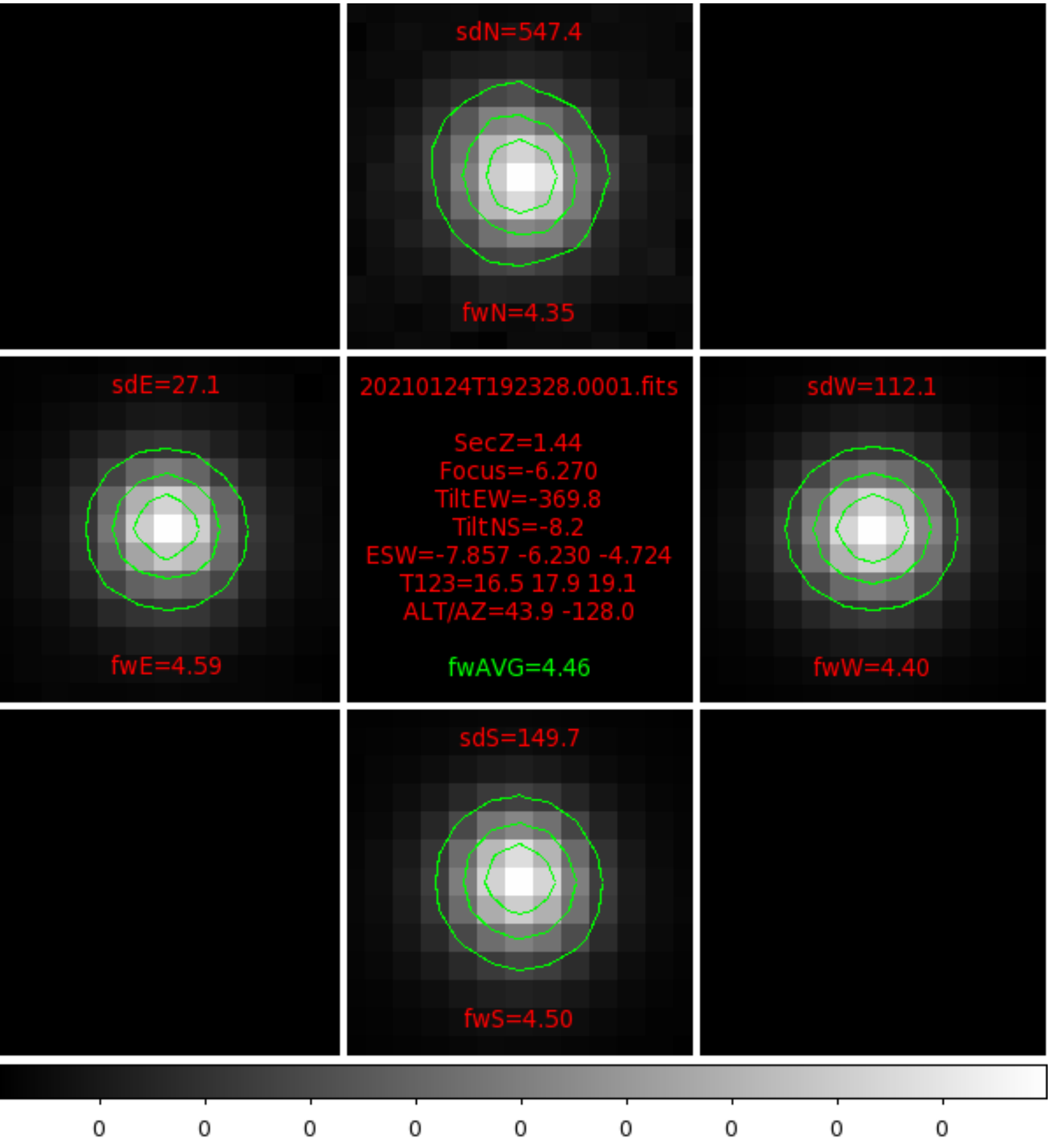
sdN=547.4
fwN=4.35
sdE=27.1
fwE=4.59
20210124T192328.0001.fits
SecZ=1.44
Focus=-6.270
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.857 -6.230 -4.724
T123=16.5 17.9 19.1
ALT/AZ=43.9 -128.0
fwAVG=4.46
sdW=112.1
fwW=4.40
sdS=149.7
fwS=4.50
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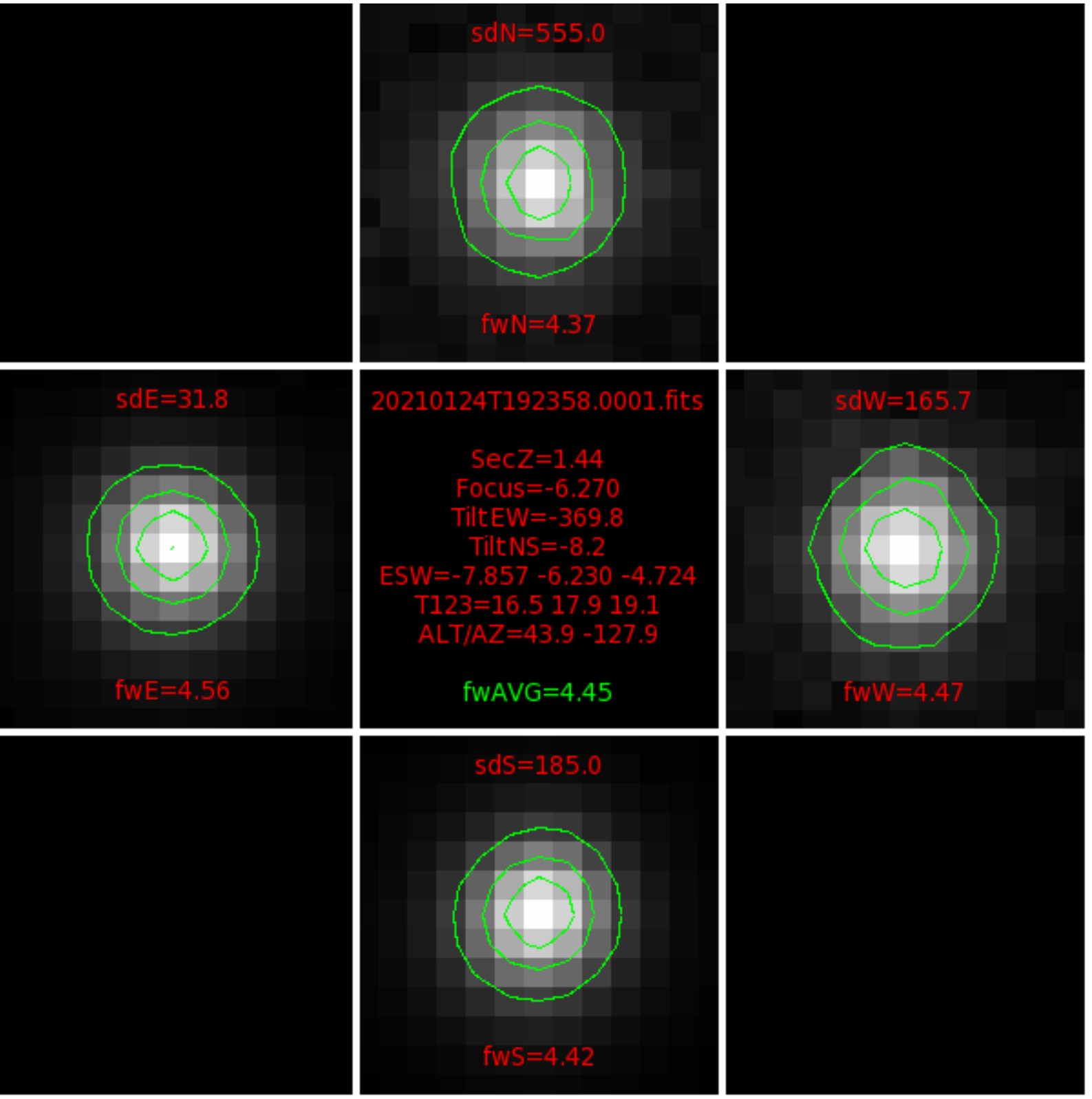
sdN=555.0
fwN=4.37
sdE=31.8
fwE=4.56
20210124T192358.0001.fits
SecZ=1.44
Focus=-6.270
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.857 -6.230 -4.724
T123=16.5 17.9 19.1
ALT/AZ=43.9 -127.9
fwAVG=4.45
sdW=165.7
fwW=4.47
sdS=185.0
fwS=4.42
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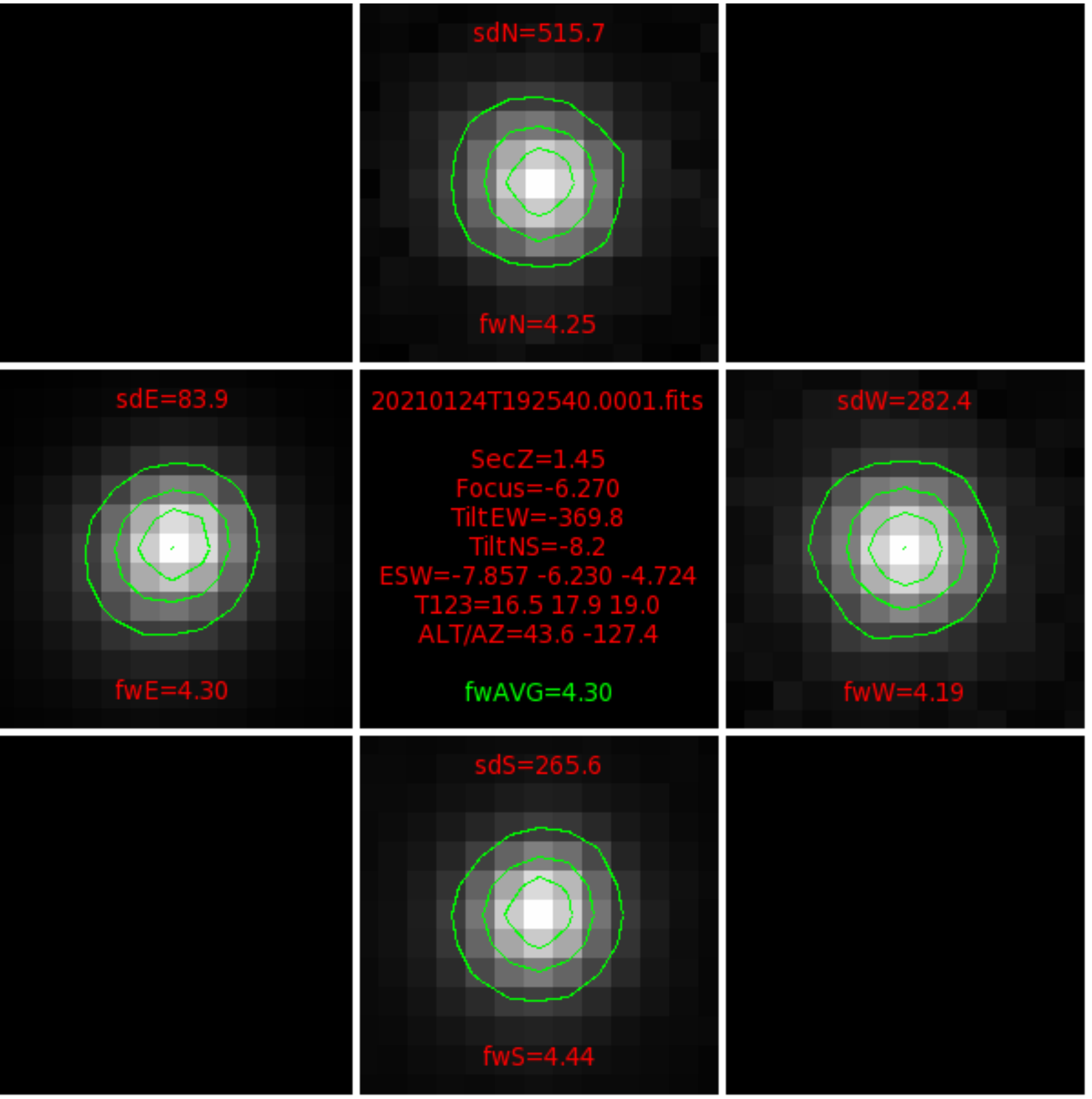
sdN=515.7
fwN=4.25
sdE=83.9
fwE=4.30
20210124T192540.0001.fits
SecZ=1.45
Focus=-6.270
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.857 -6.230 -4.724
T123=16.5 17.9 19.0
ALT/AZ=43.6 -127.4
fwAVG=4.30
sdW=282.4
fwW=4.19
sdS=265.6
fwS=4.44
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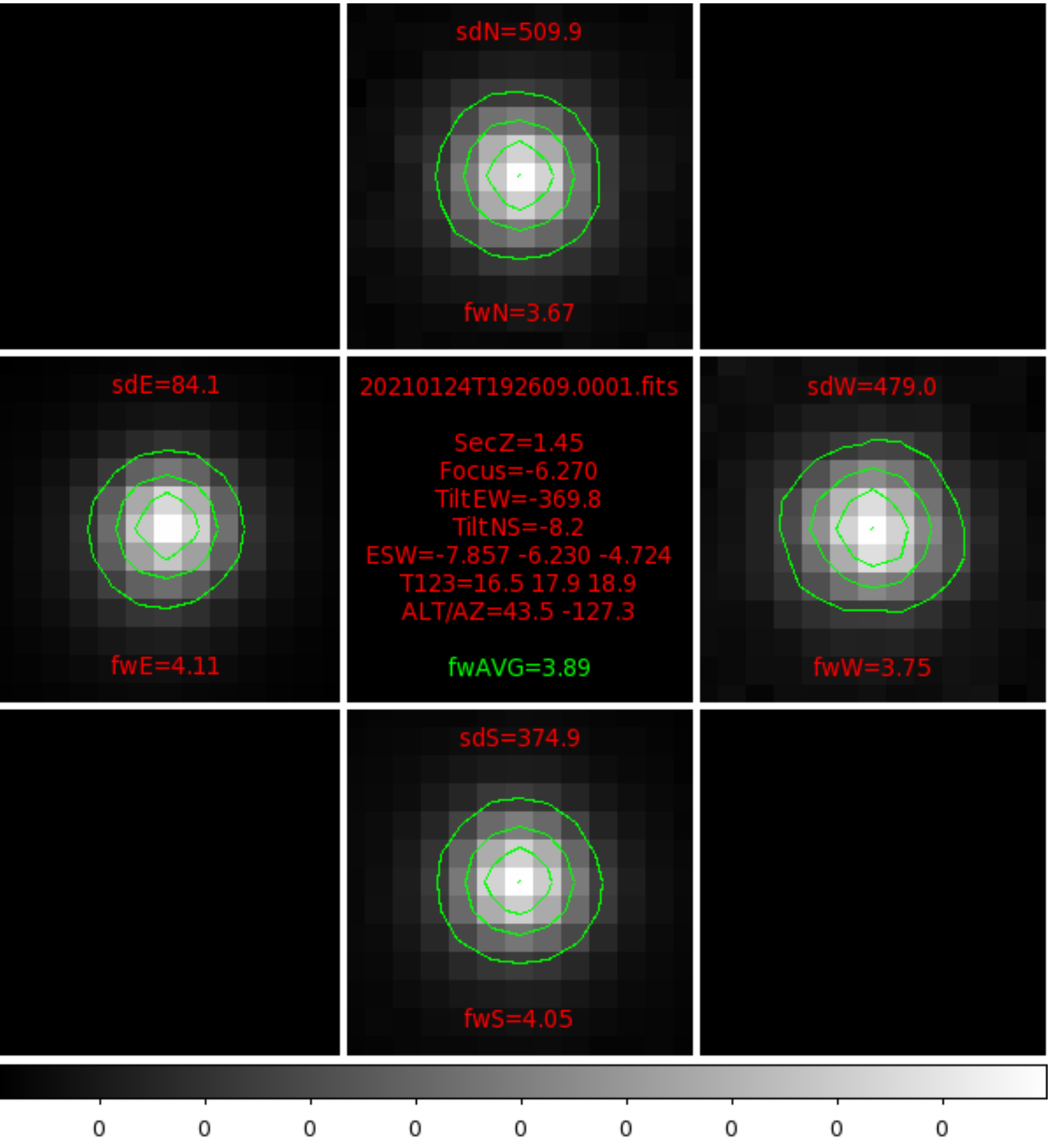
sdN=509.9
fwN=3.67
sdE=84.1
fwE=4.11
20210124T192609.0001.fits
SecZ=1.45
Focus=-6.270
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.857 -6.230 -4.724
T123=16.5 17.9 18.9
ALT/AZ=43.5 -127.3
fwAVG=3.89
sdW=479.0
fwW=3.75
sdS=374.9
fwS=4.05
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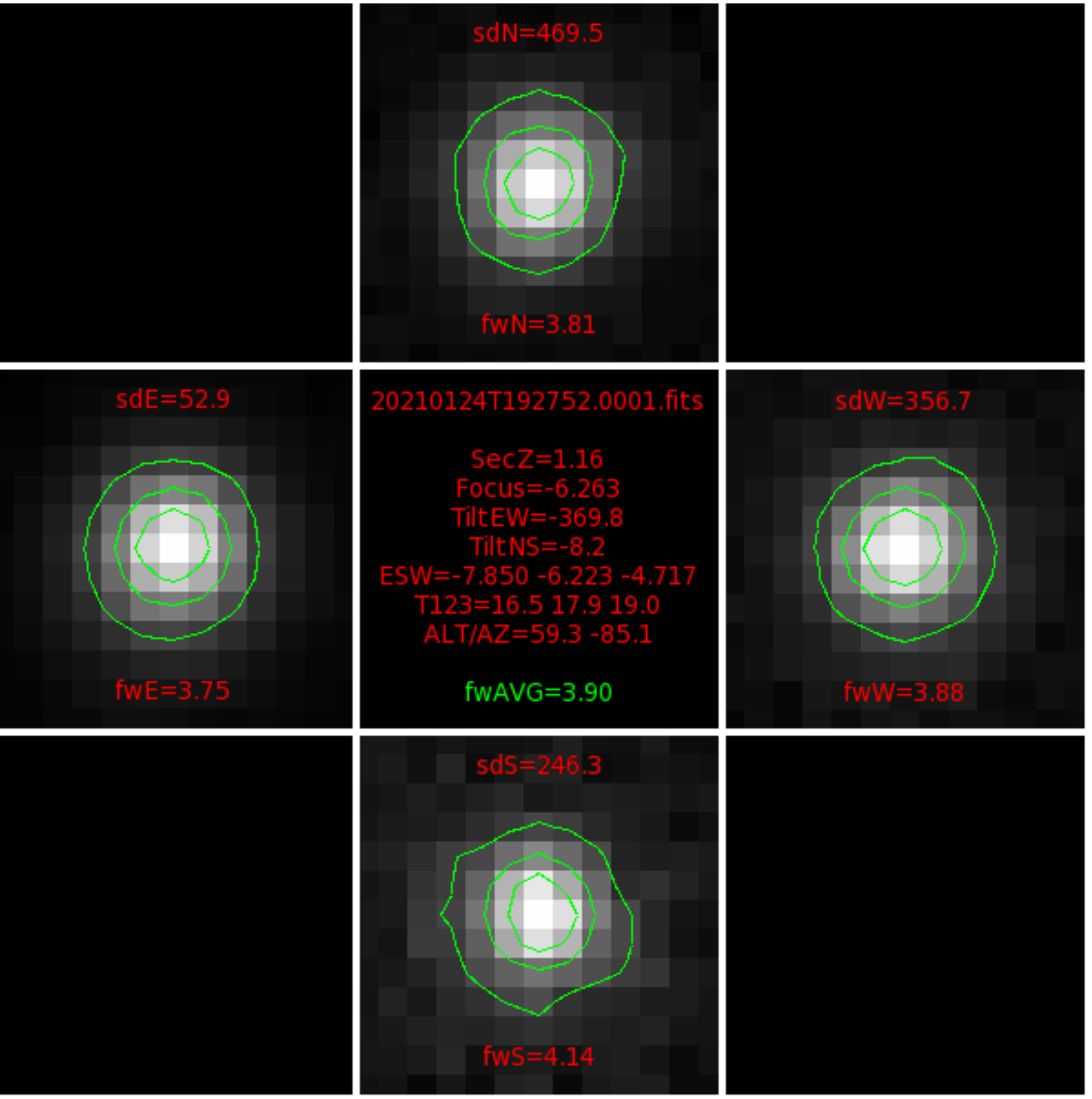
sdN=469.5
fwN=3.81
sdE=52.9
fwE=3.75
20210124T192752.0001.fits
SecZ=1.16
Focus=-6.263
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.850 -6.223 -4.717
T123=16.5 17.9 19.0
ALT/AZ=59.3 -85.1
fwAVG=3.90
sdW=356.7
fwW=3.88
sdS=246.3
fwS=4.14
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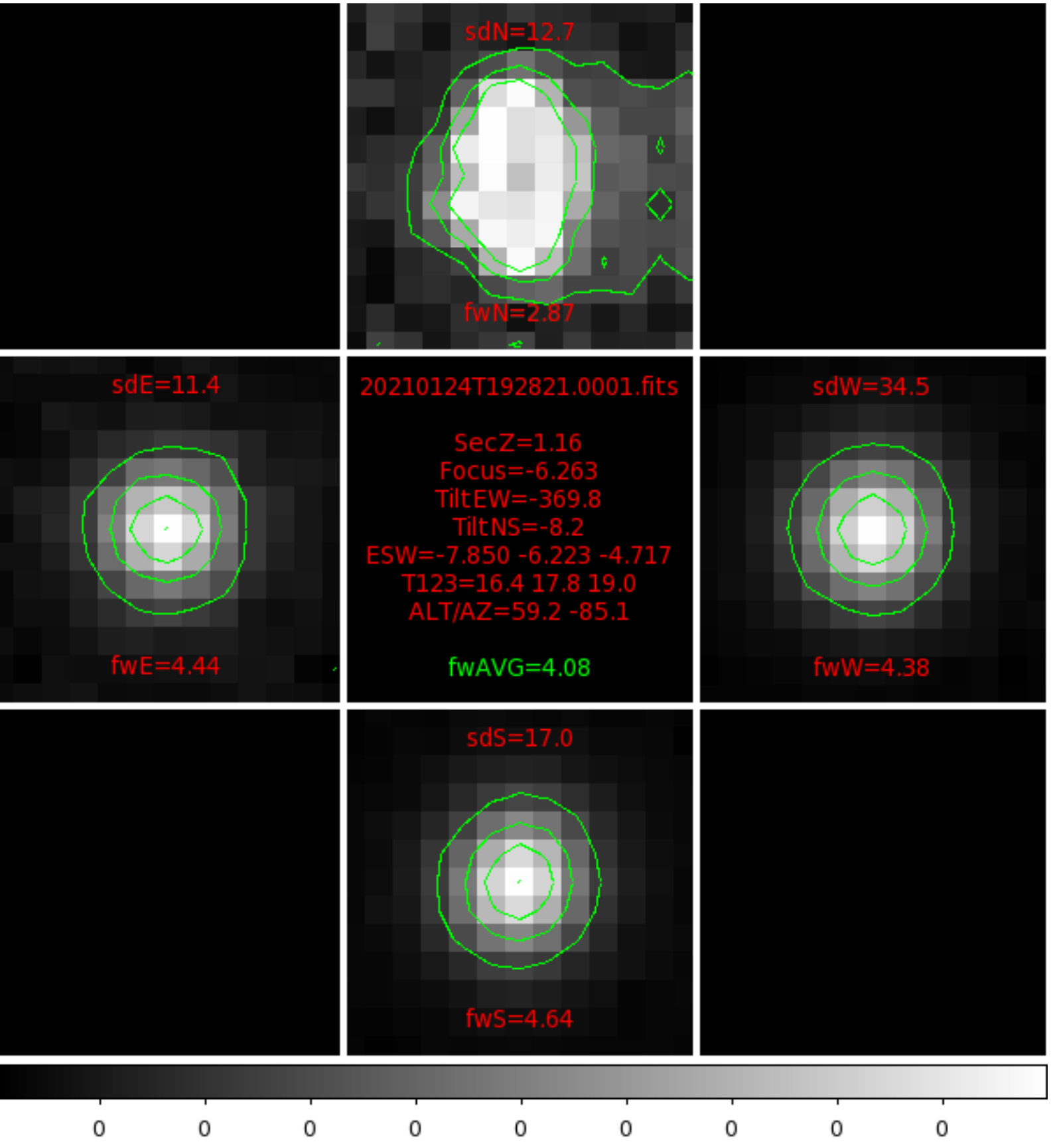
sdN=12.7
fwN=2.87
sdE=11.4
fwE=4.44
20210124T192821.0001.fits
SecZ=1.16
Focus=-6.263
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.850 -6.223 -4.717
T123=16.4 17.8 19.0
ALT/AZ=59.2 -85.1
fwAVG=4.08
sdW=34.5
fwW=4.38
sdS=17.0
fwS=4.64
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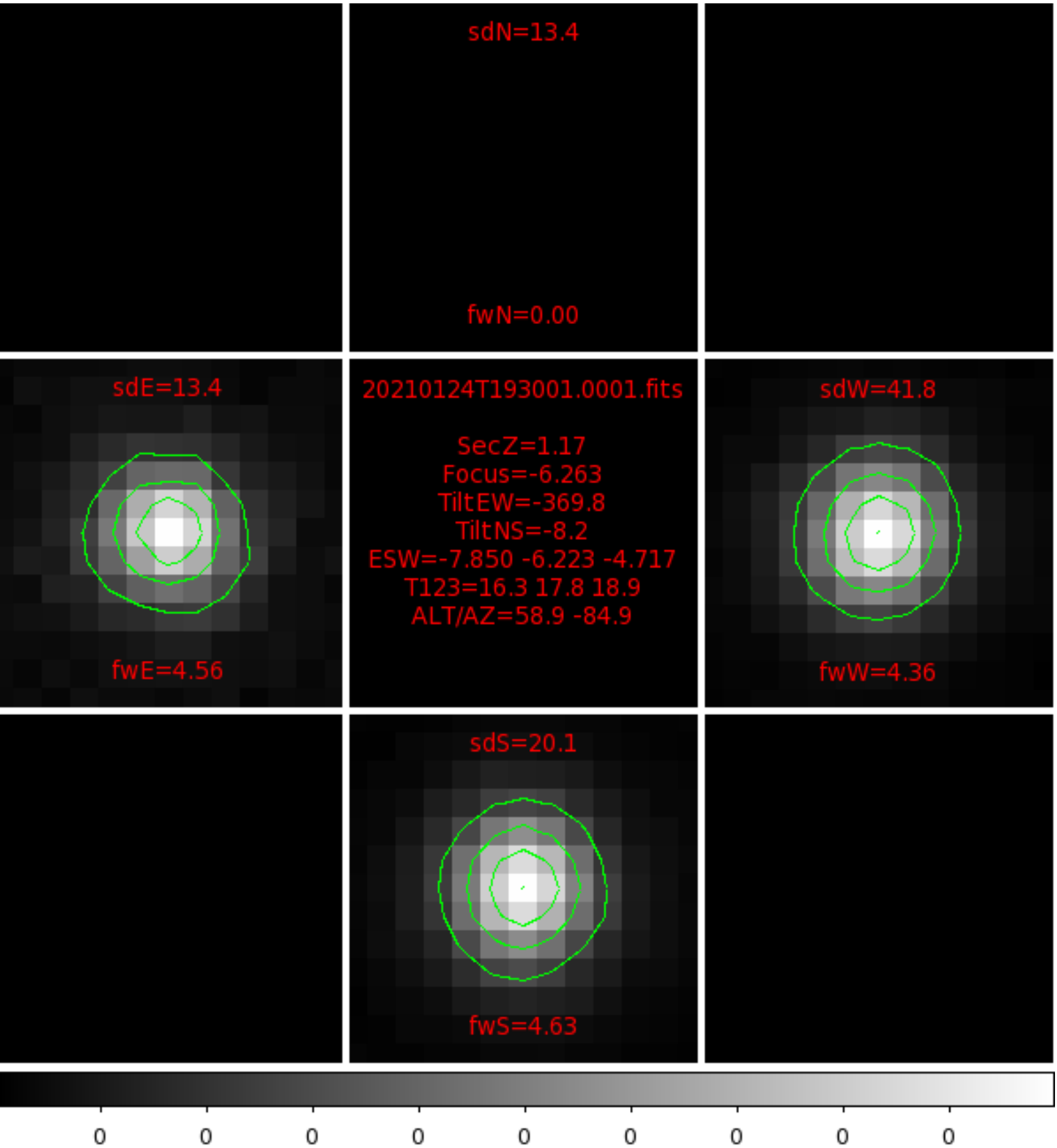
sdN=13.4
fwN=0.00
sdE=13.4
fwE=4.56
20210124T193001.0001.fits
SecZ=1.17
Focus=-6.263
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.850 -6.223 -4.717
T123=16.3 17.8 18.9
ALT/AZ=58.9 -84.9
sdW=41.8
fwW=4.36
sdS=20.1
fwS=4.63
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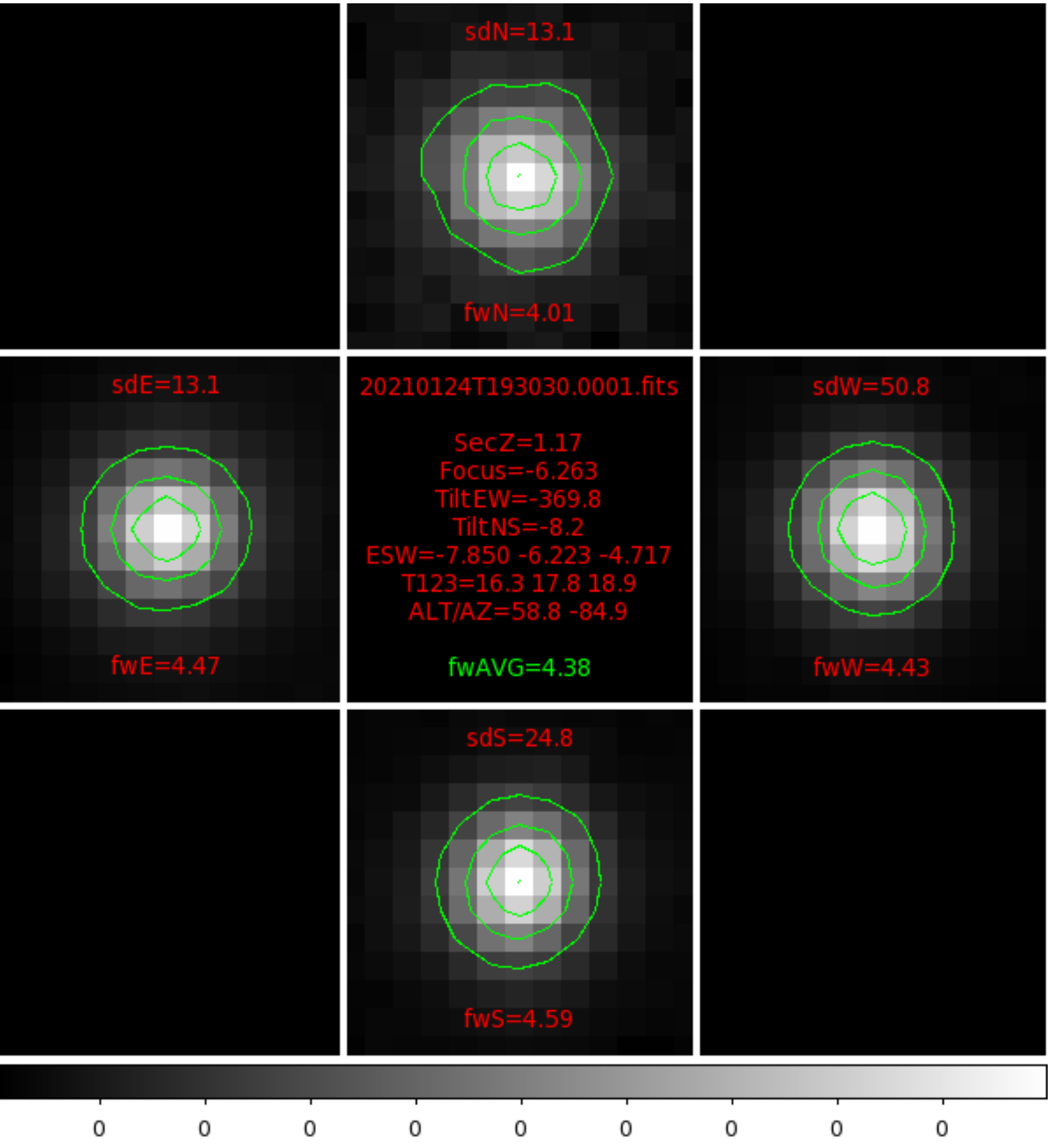
sdN=13.1
fwN=4.01
sdE=13.1
fwE=4.47
20210124T193030.0001.fits
SecZ=1.17
Focus=-6.263
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.850 -6.223 -4.717
T123=16.3 17.8 18.9
ALT/AZ=58.8 -84.9
fwAVG=4.38
sdW=50.8
fwW=4.43
sdS=24.8
fwS=4.59
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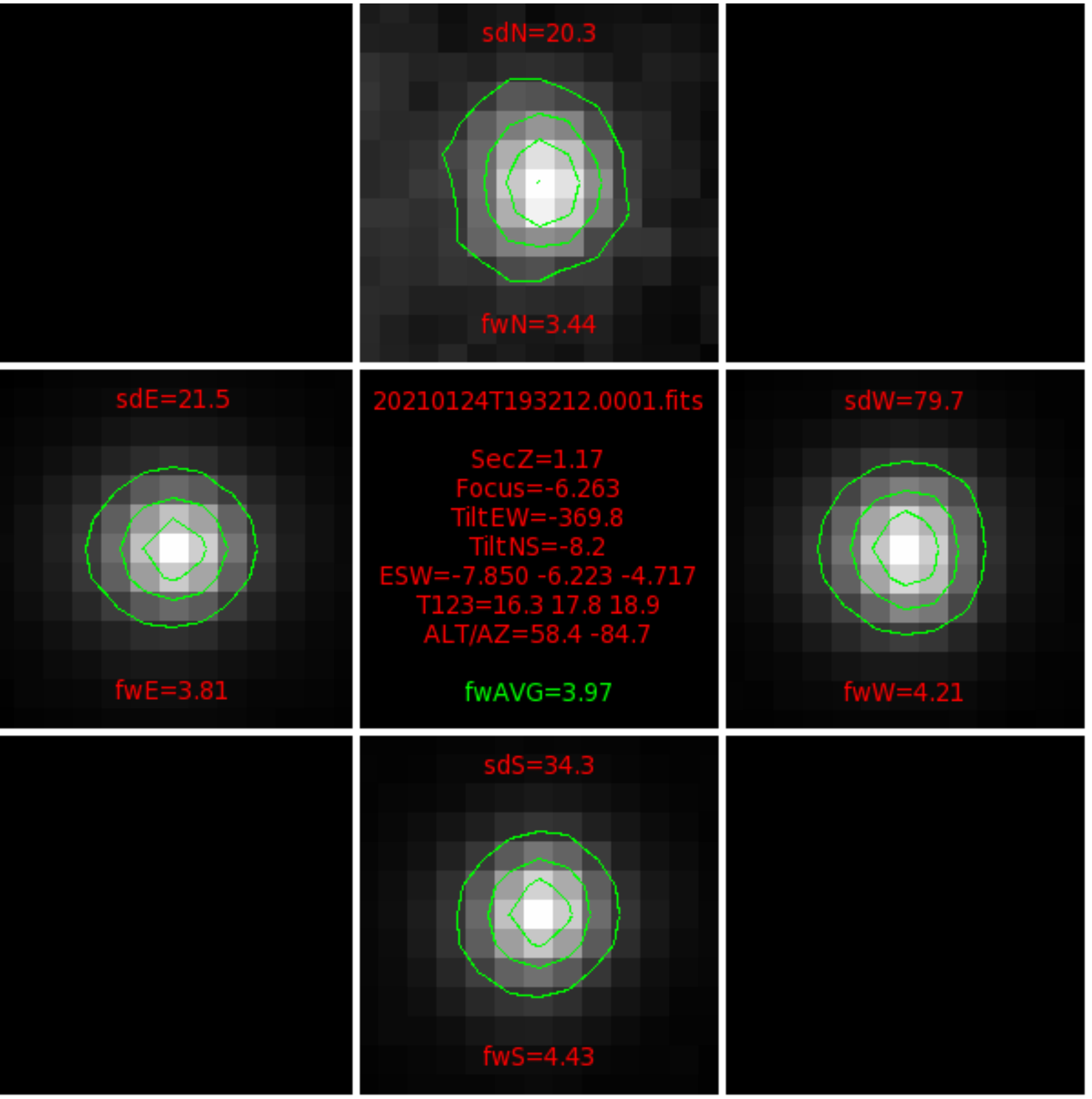
sdN=20.3
fwN=3.44
sdE=21.5
fwE=3.81
20210124T193212.0001.fits
SecZ=1.17
Focus=-6.263
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.850 -6.223 -4.717
T123=16.3 17.8 18.9
ALT/AZ=58.4 -84.7
fwAVG=3.97
sdW=79.7
fwW=4.21
sdS=34.3
fwS=4.43
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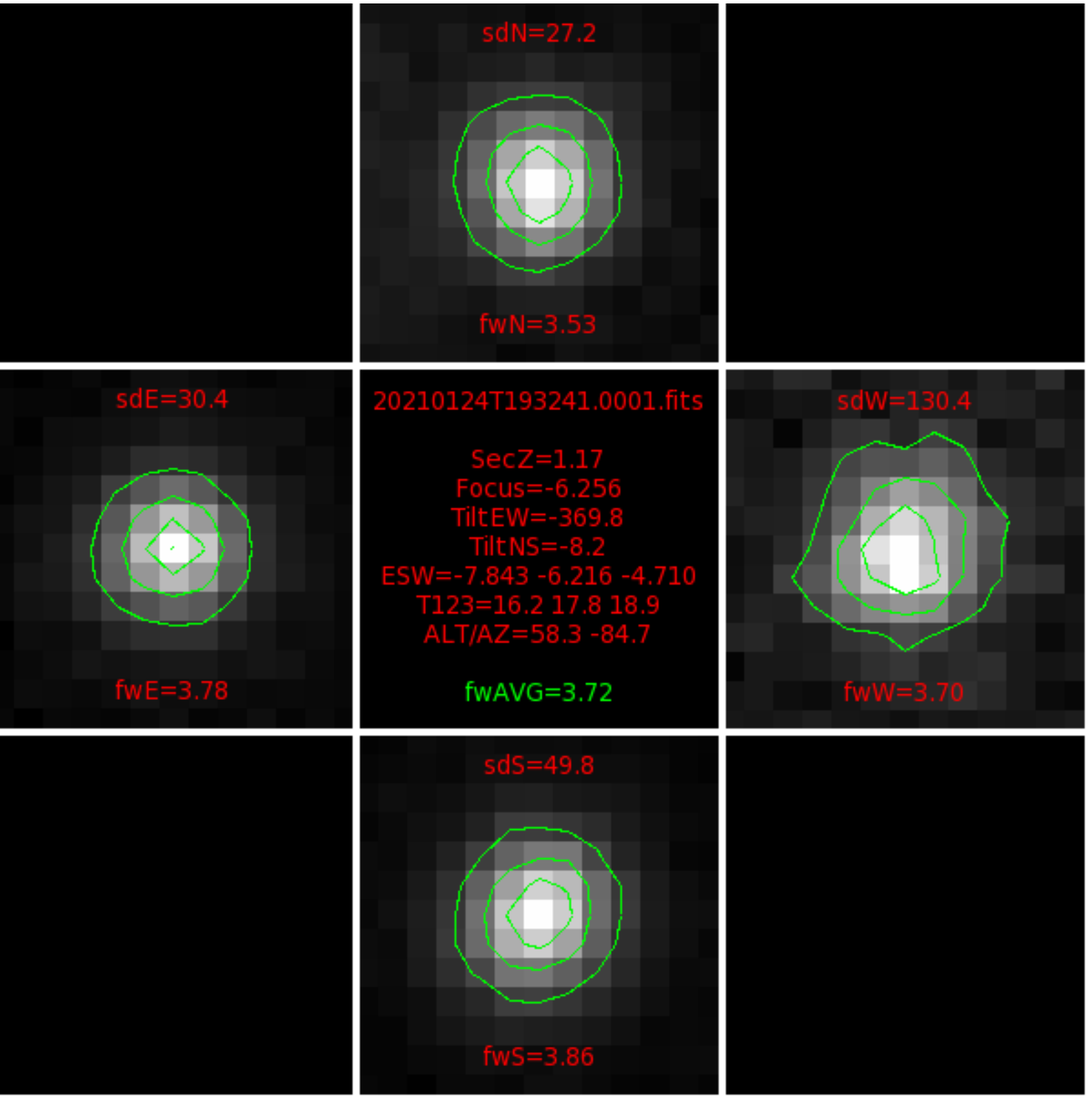
sdN=27.2
fwN=3.53
sdE=30.4
fwE=3.78
20210124T193241.0001.fits
SecZ=1.17
Focus=-6.256
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.843 -6.216 -4.710
T123=16.2 17.8 18.9
ALT/AZ=58.3 -84.7
fwAVG=3.72
sdW=130.4
fwW=3.70
sdS=49.8
fwS=3.86
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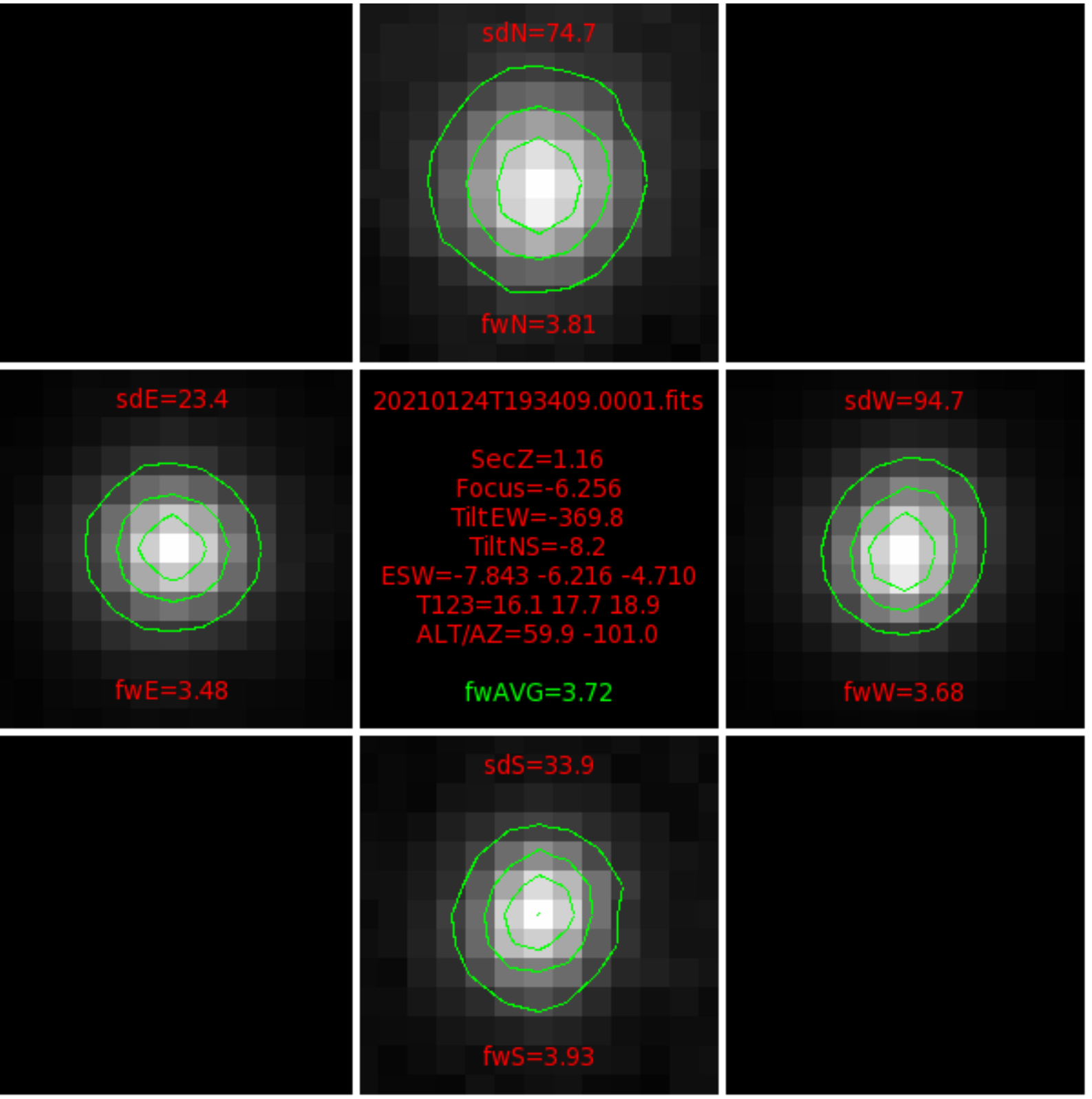
sdN=74.7
fwN=3.81
sdE=23.4
fwE=3.48
20210124T193409.0001.fits
SecZ=1.16
Focus=-6.256
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.843 -6.216 -4.710
T123=16.1 17.7 18.9
ALT/AZ=59.9 -101.0
fwAVG=3.72
sdW=94.7
fwW=3.68
sdS=33.9
fwS=3.93
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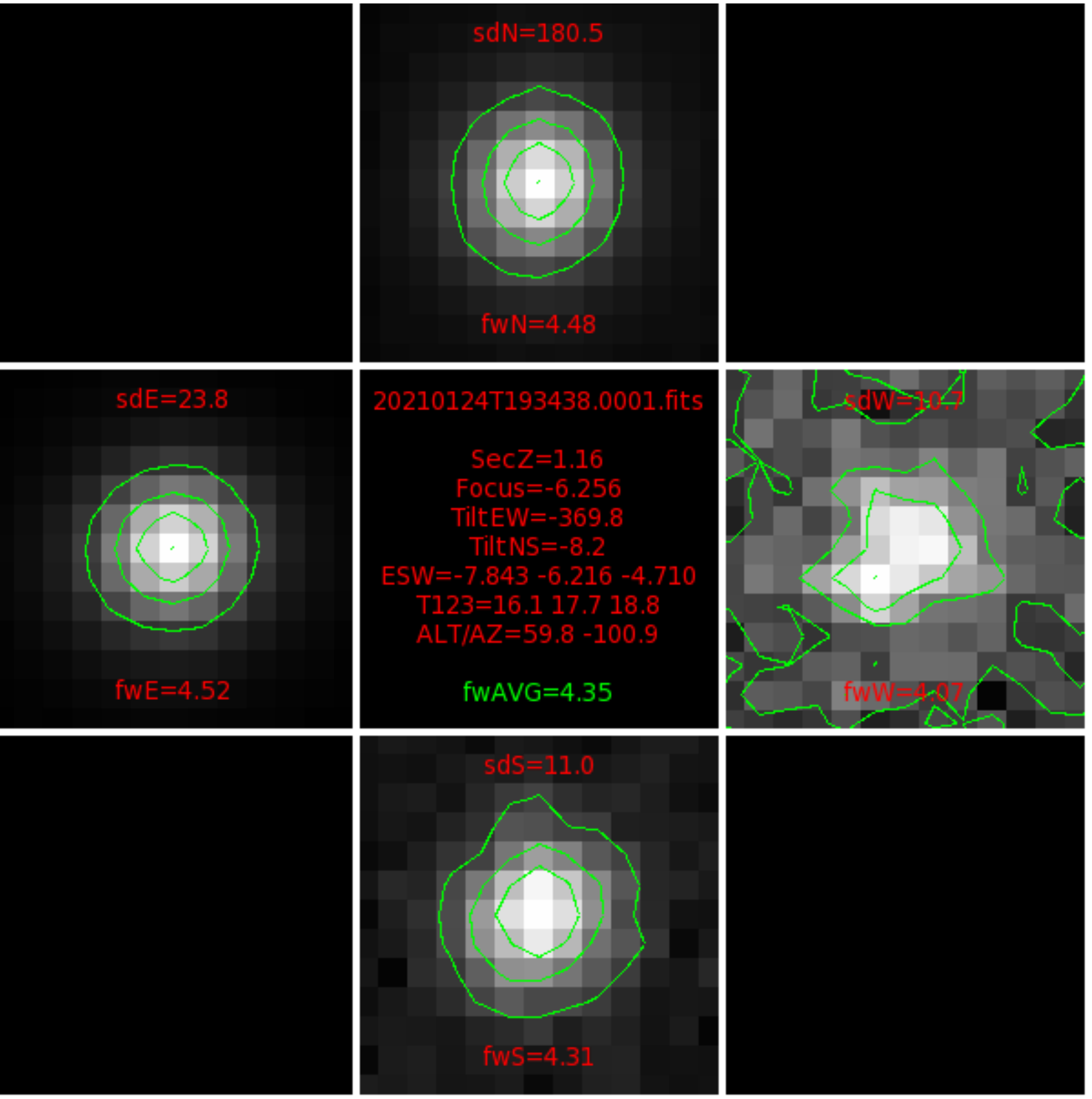
sdN=180.5
fwN=4.48
sdE=23.8
fwE=4.52
20210124T193438.0001.fits
SecZ=1.16
Focus=-6.256
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.843 -6.216 -4.710
T123=16.1 17.7 18.8
ALT/AZ=59.8 -100.9
fwAVG=4.35
sdW=10.7
fwW=4.07
sdS=11.0
fwS=4.31
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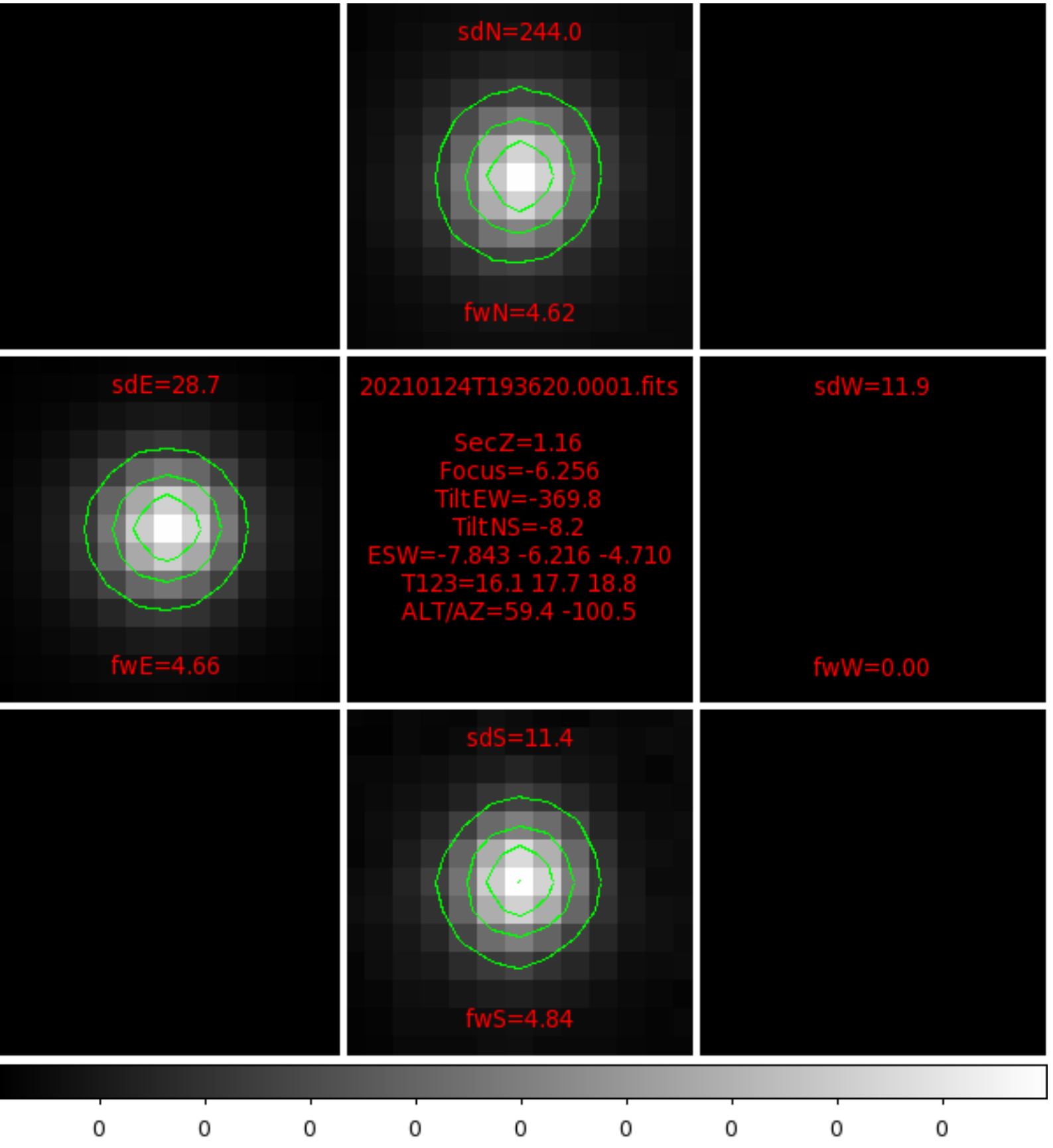
sdN=244.0
fwN=4.62
sdE=28.7
fwE=4.66
20210124T193620.0001.fits
SecZ=1.16
Focus=-6.256
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.843 -6.216 -4.710
T123=16.1 17.7 18.8
ALT/AZ=59.4 -100.5
sdW=11.9
fwW=0.00
sdS=11.4
fwS=4.84
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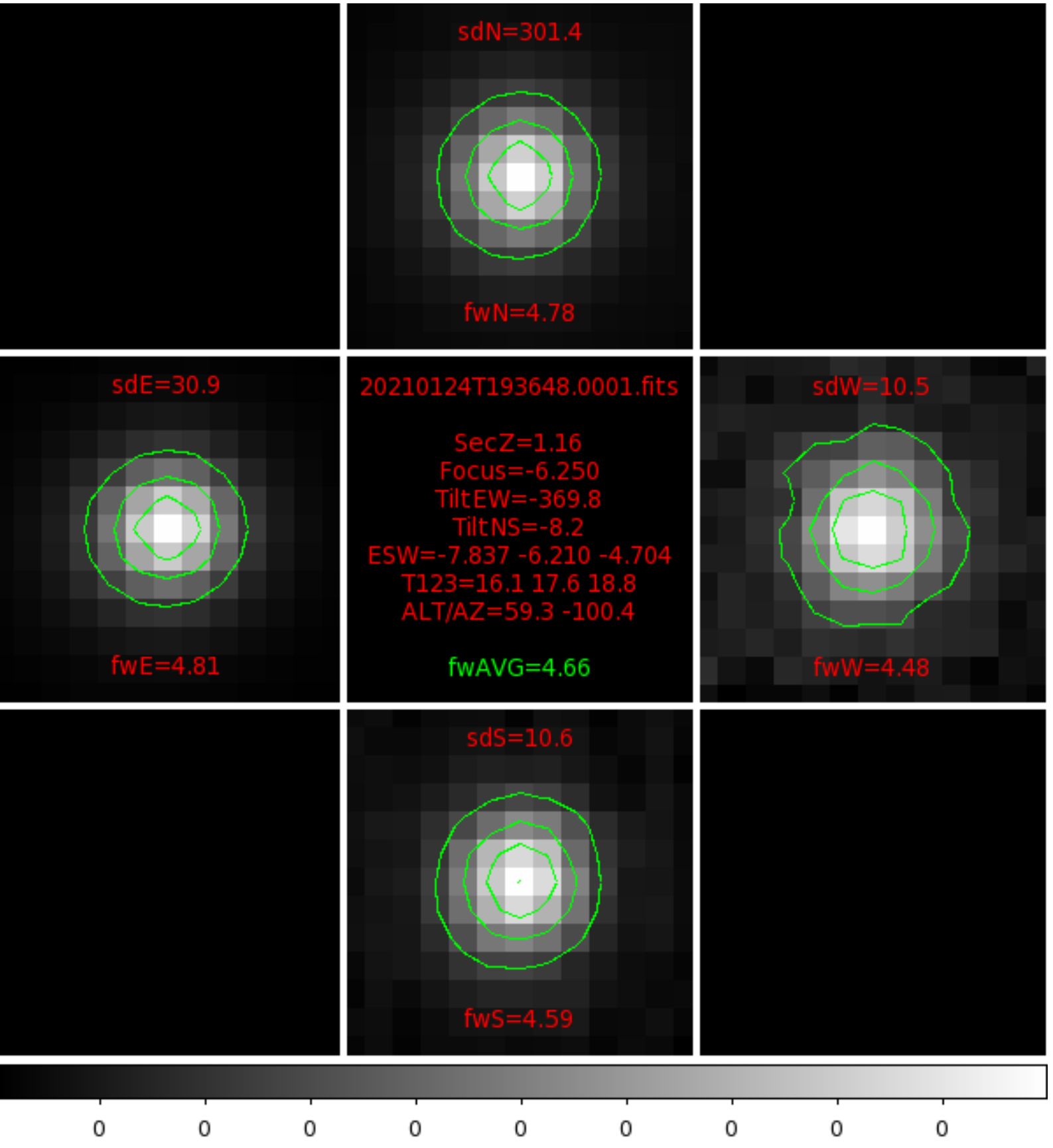
sdN=301.4
fwN=4.78
sdE=30.9
fwE=4.81
20210124T193648.0001.fits
SecZ=1.16
Focus=-6.250
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.837 -6.210 -4.704
T123=16.1 17.6 18.8
ALT/AZ=59.3 -100.4
fwAVG=4.66
sdW=10.5
fwW=4.48
sdS=10.6
fwS=4.59
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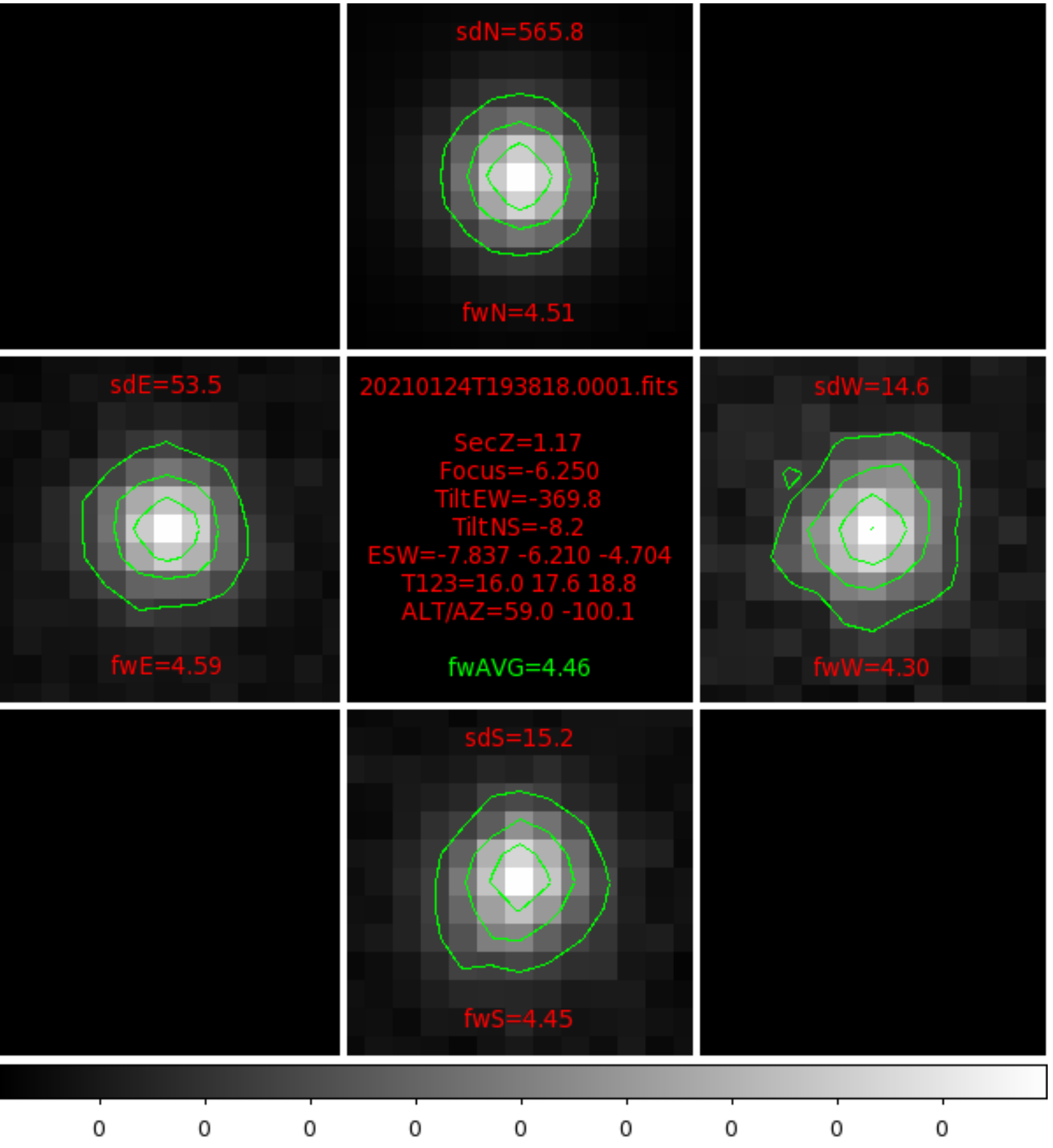
sdN=565.8
fwN=4.51
sdE=53.5
fwE=4.59
20210124T193818.0001.fits
SecZ=1.17
Focus=-6.250
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.837 -6.210 -4.704
T123=16.0 17.6 18.8
ALT/AZ=59.0 -100.1
fwAVG=4.46
sdW=14.6
fwW=4.30
sdS=15.2
fwS=4.45
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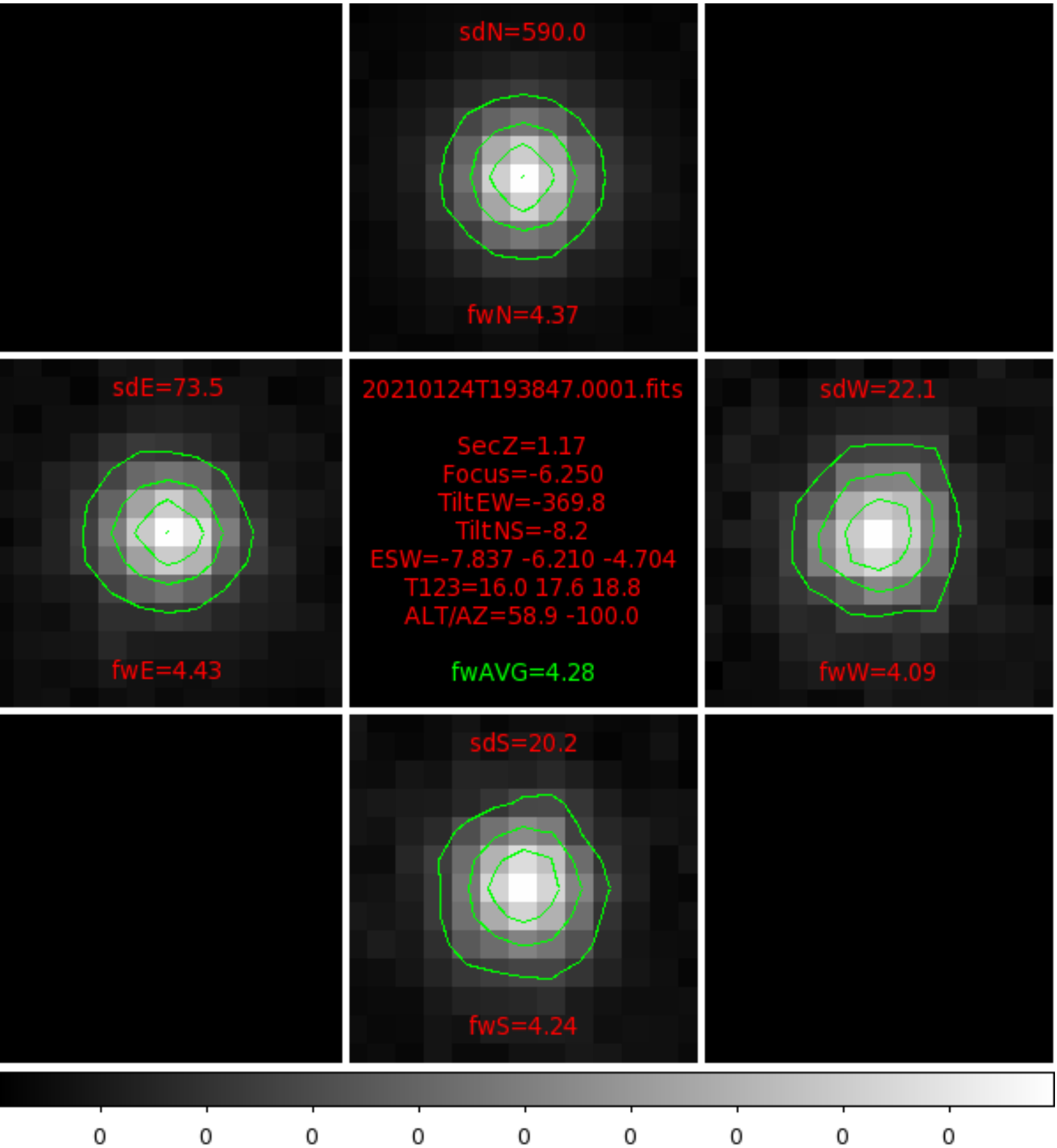
sdN=590.0
fwN=4.37
sdE=73.5
fwE=4.43
20210124T193847.0001.fits
SecZ=1.17
Focus=-6.250
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.837 -6.210 -4.704
T123=16.0 17.6 18.8
ALT/AZ=58.9 -100.0
fwAVG=4.28
sdW=22.1
fwW=4.09
sdS=20.2
fwS=4.24
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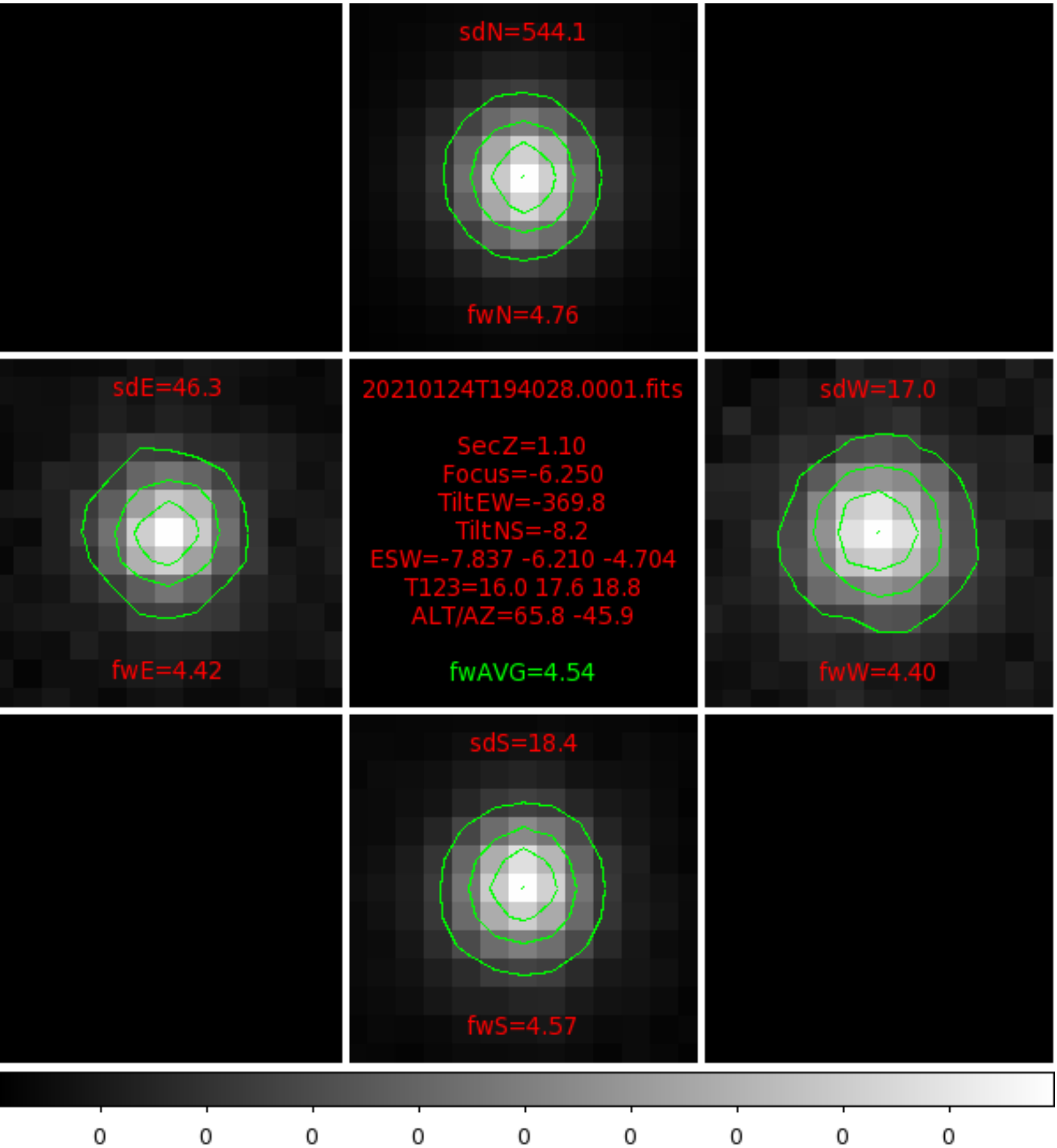
sdN=544.1
fwN=4.76
sdE=46.3
fwE=4.42
20210124T194028.0001.fits
SecZ=1.10
Focus=-6.250
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.837 -6.210 -4.704
T123=16.0 17.6 18.8
ALT/AZ=65.8 -45.9
fwAVG=4.54
sdW=17.0
fwW=4.40
sdS=18.4
fwS=4.57
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sdN=12.0
fwN=0.00
sdE=12.1
20210124T194058.0001.fits
SecZ=1.10
Focus=-6.250
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.837 -6.210 -4.704
T123=16.0 17.6 18.7
ALT/AZ=65.8 -46.0
sdW=13.1
fwE=0.00
fwW=0.00
sdS=10.2
fwS=0.00
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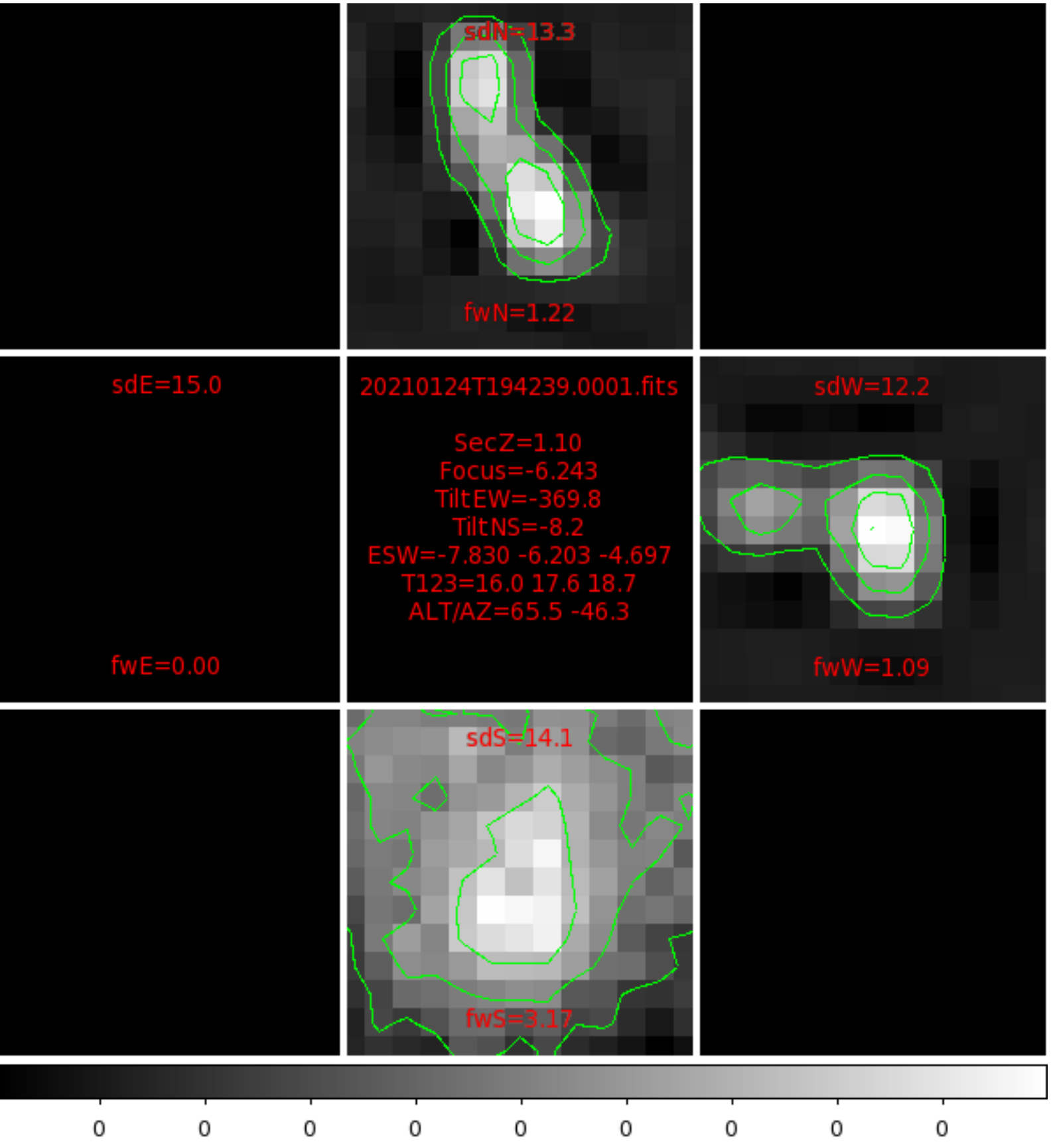
sdN=13.3
fwN=1.22
sdE=15.0
fwE=0.00
20210124T194239.0001.fits
SecZ=1.10
Focus=-6.243
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.830 -6.203 -4.697
T123=16.0 17.6 18.7
ALT/AZ=65.5 -46.3
sdW=12.2
fwW=1.09
sdS=14.1
fwS=3.17
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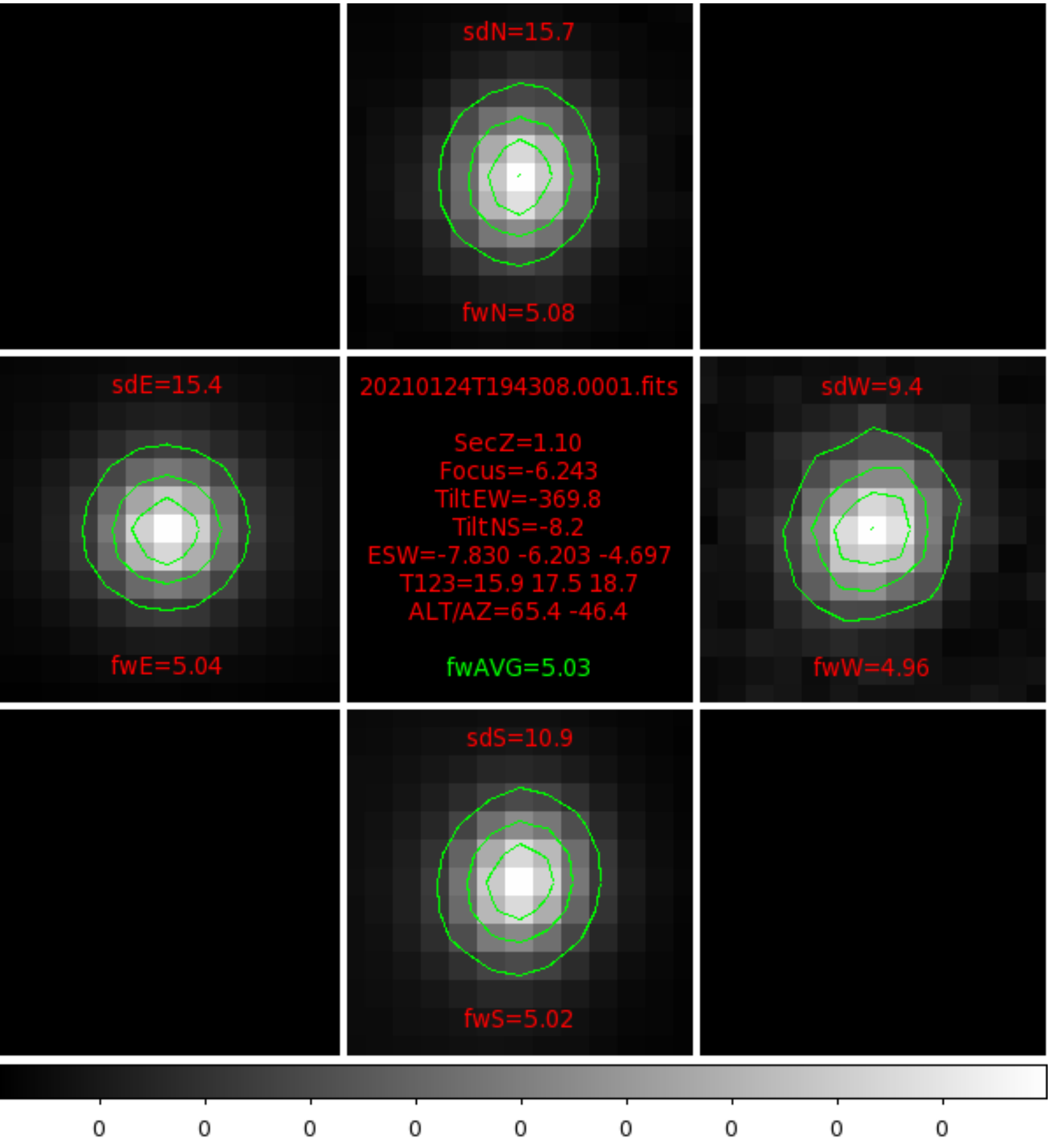
sdN=15.7
fwN=5.08
sdE=15.4
fwE=5.04
20210124T194308.0001.fits
SecZ=1.10
Focus=-6.243
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.830 -6.203 -4.697
T123=15.9 17.5 18.7
ALT/AZ=65.4 -46.4
fwAVG=5.03
sdW=9.4
fwW=4.96
sdS=10.9
fwS=5.02
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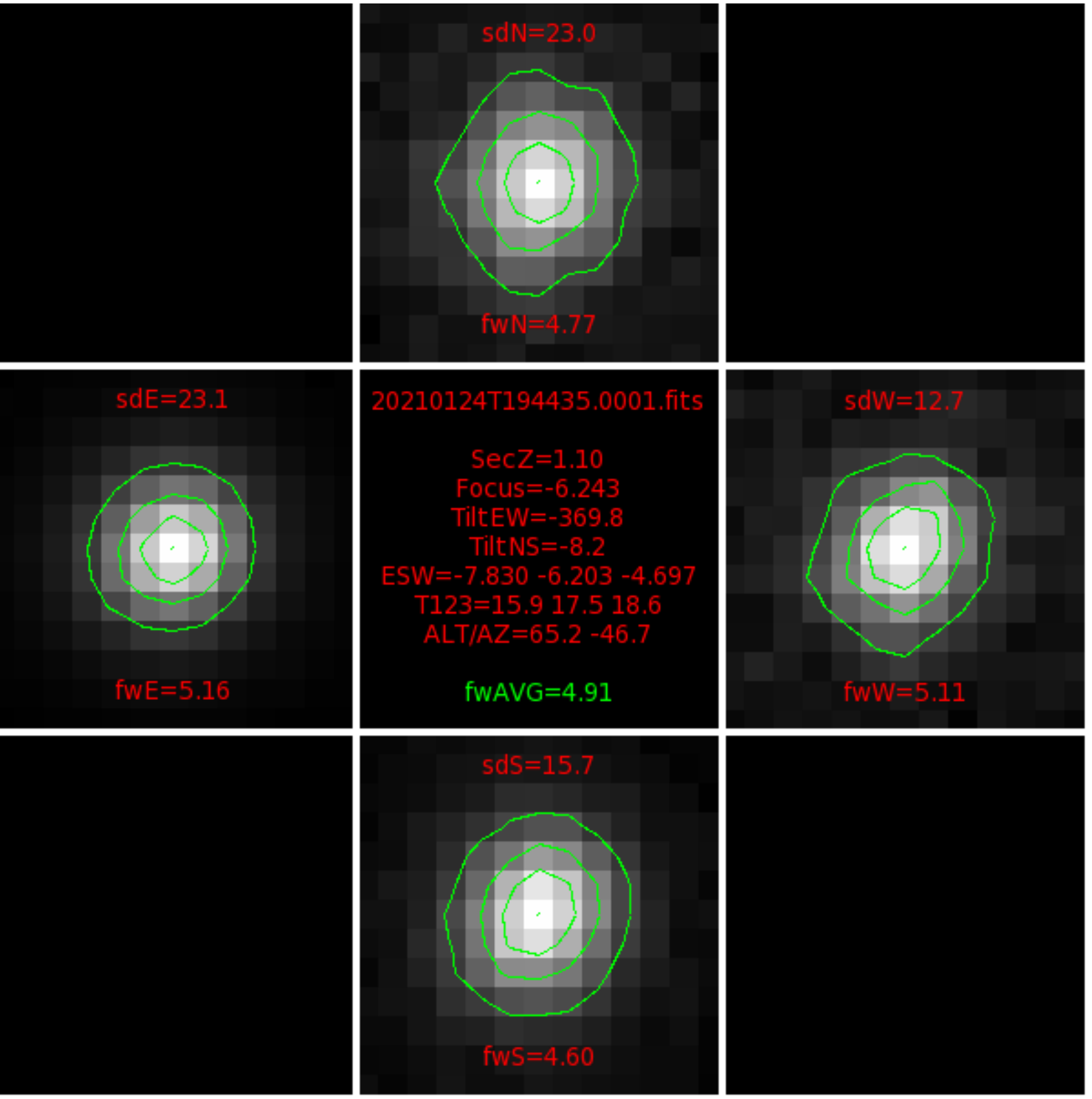
sdN=23.0
fwN=4.77
sdE=23.1
fwE=5.16
20210124T194435.0001.fits
SecZ=1.10
Focus=-6.243
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.830 -6.203 -4.697
T123=15.9 17.5 18.6
ALT/AZ=65.2 -46.7
fwAVG=4.91
sdW=12.7
fwW=5.11
sdS=15.7
fwS=4.60
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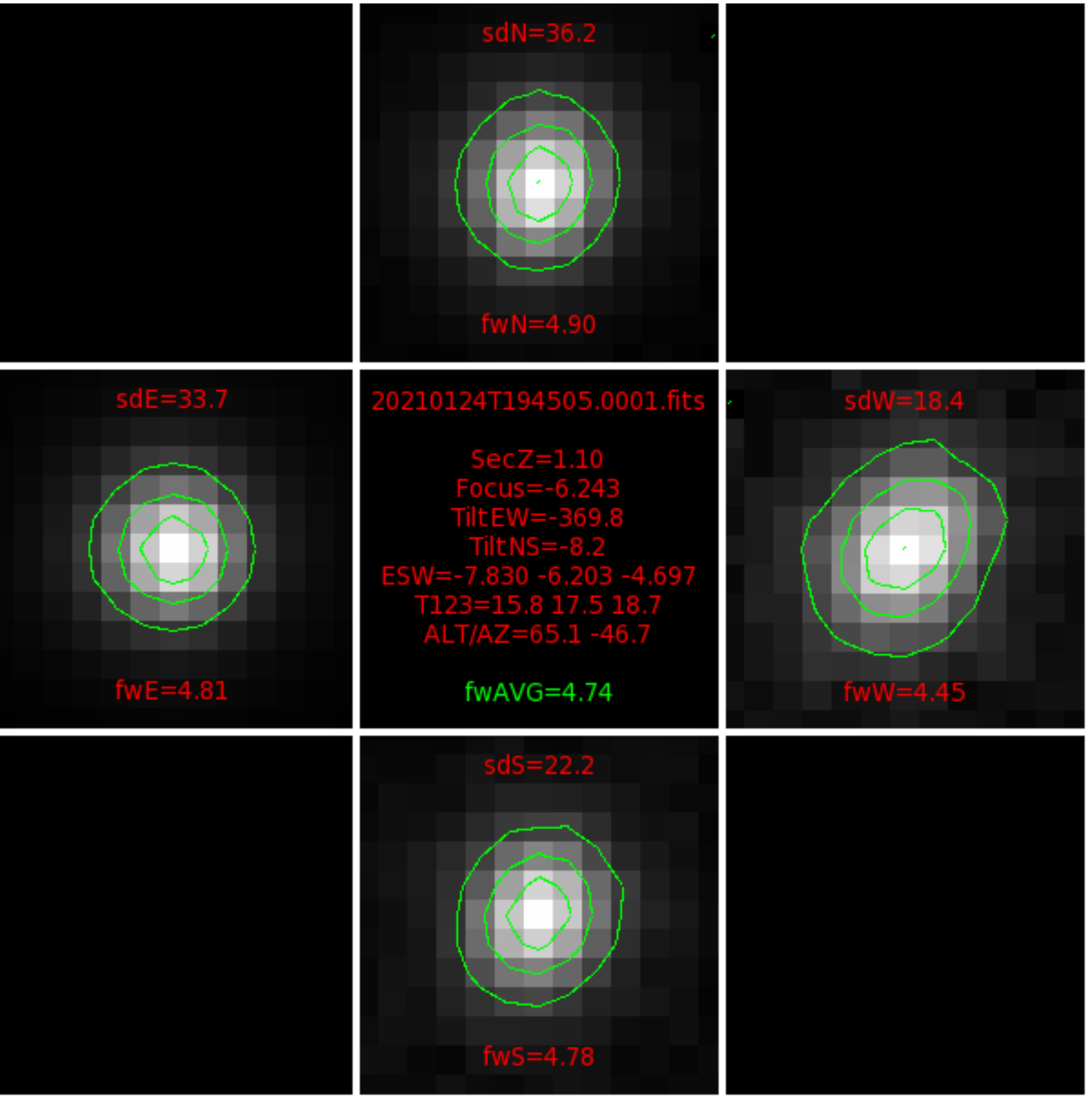
sdN=36.2
fwN=4.90
sdE=33.7
fwE=4.81
20210124T194505.0001.fits
SecZ=1.10
Focus=-6.243
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.830 -6.203 -4.697
T123=15.8 17.5 18.7
ALT/AZ=65.1 -46.7
fwAVG=4.74
sdW=18.4
fwW=4.45
sdS=22.2
fwS=4.78
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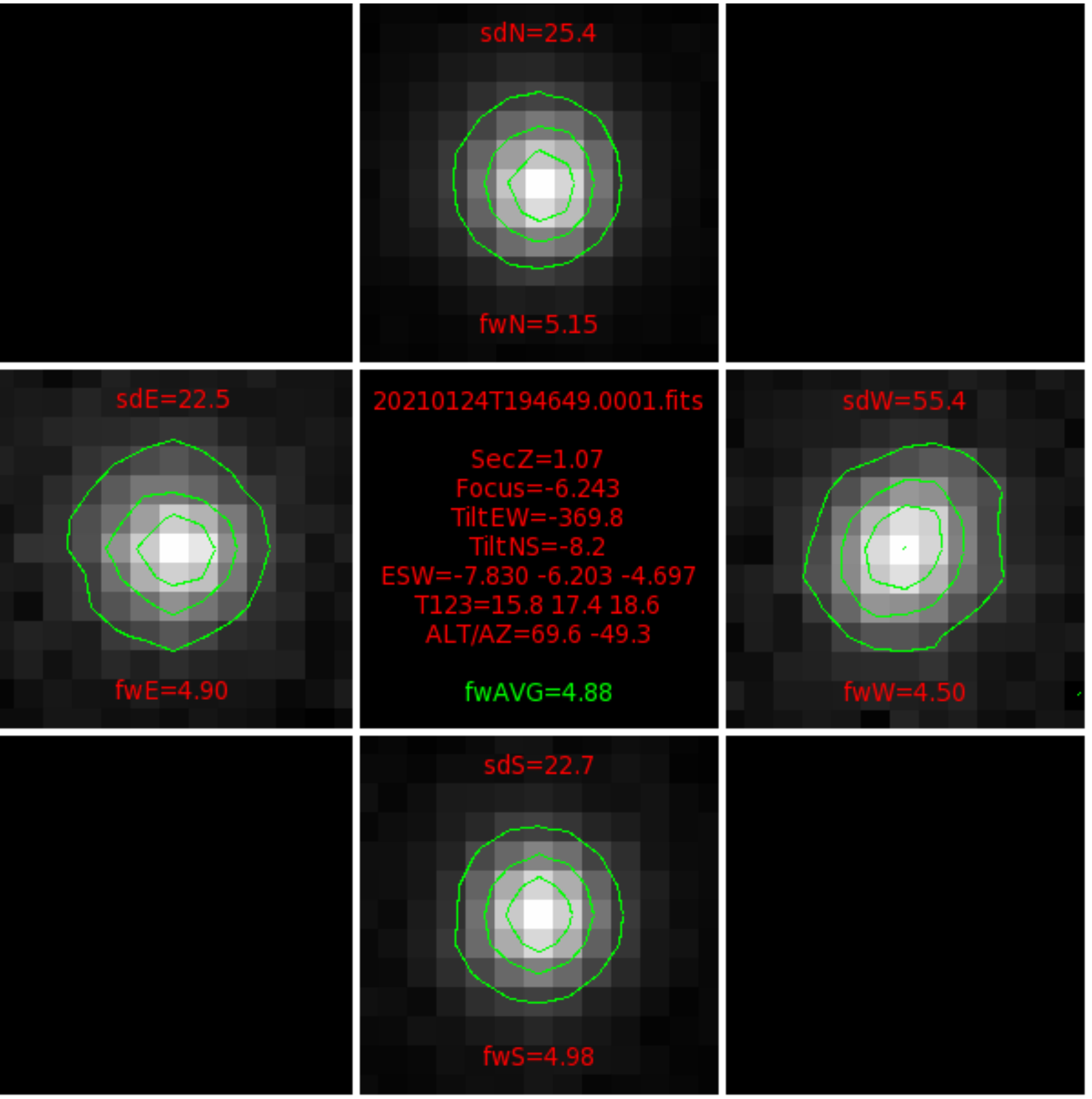
sdN=25.4
fwN=5.15
sdE=22.5
fwE=4.90
20210124T194649.0001.fits
SecZ=1.07
Focus=-6.243
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.830 -6.203 -4.697
T123=15.8 17.4 18.6
ALT/AZ=69.6 -49.3
fwAVG=4.88
sdW=55.4
fwW=4.50
sdS=22.7
fwS=4.98
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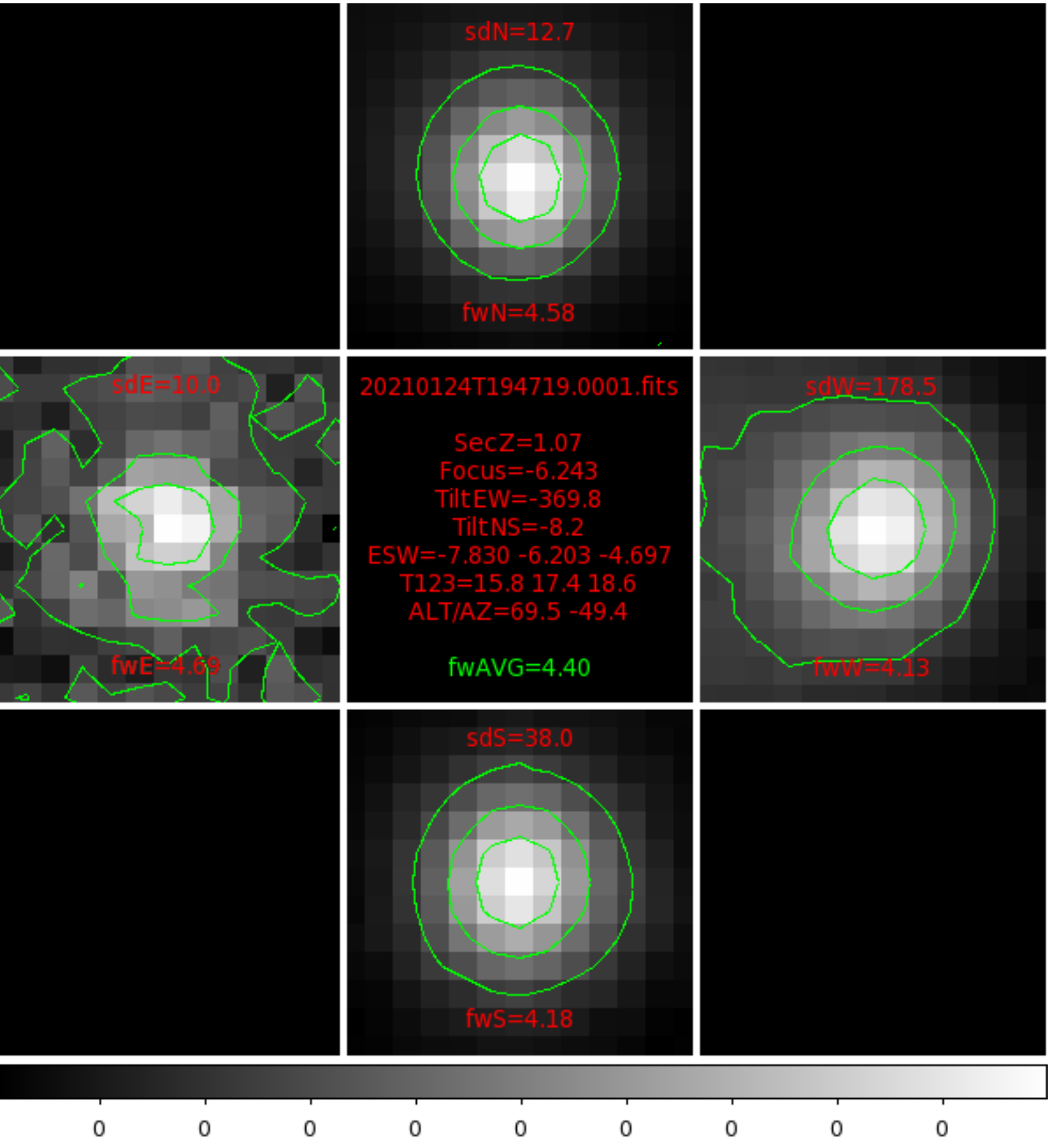
sdN=12.7
fwN=4.58
sdE=10.0
fwE=4.69
20210124T194719.0001.fits
SecZ=1.07
Focus=-6.243
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.830 -6.203 -4.697
T123=15.8 17.4 18.6
ALT/AZ=69.5 -49.4
fwAVG=4.40
sdW=178.5
fwW=4.13
sdS=38.0
fwS=4.18
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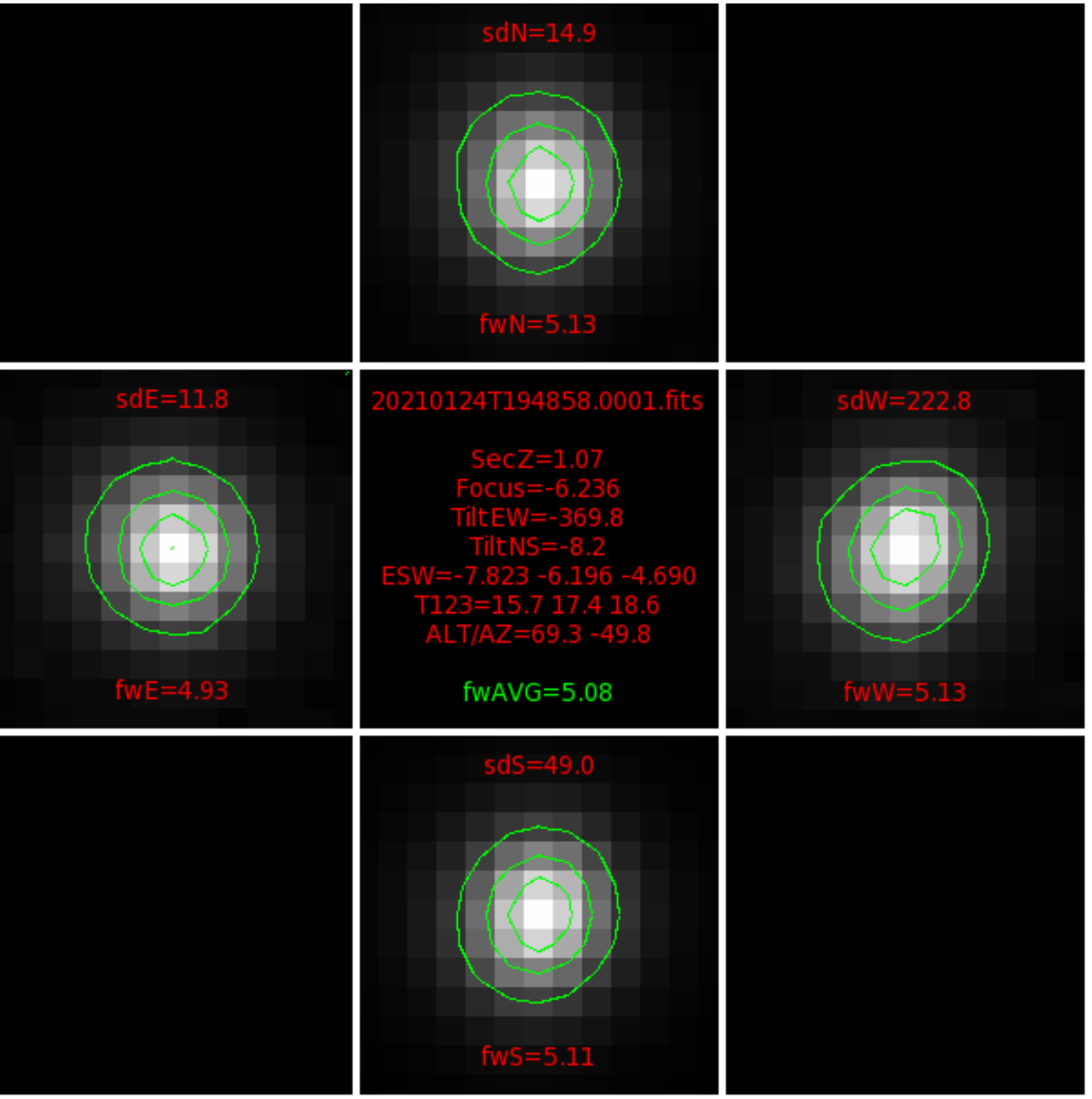
sdN=14.9
fwN=5.13
sdE=11.8
fwE=4.93
20210124T194858.0001.fits
SecZ=1.07
Focus=-6.236
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.823 -6.196 -4.690
T123=15.7 17.4 18.6
ALT/AZ=69.3 -49.8
fwAVG=5.08
sdW=222.8
fwW=5.13
sdS=49.0
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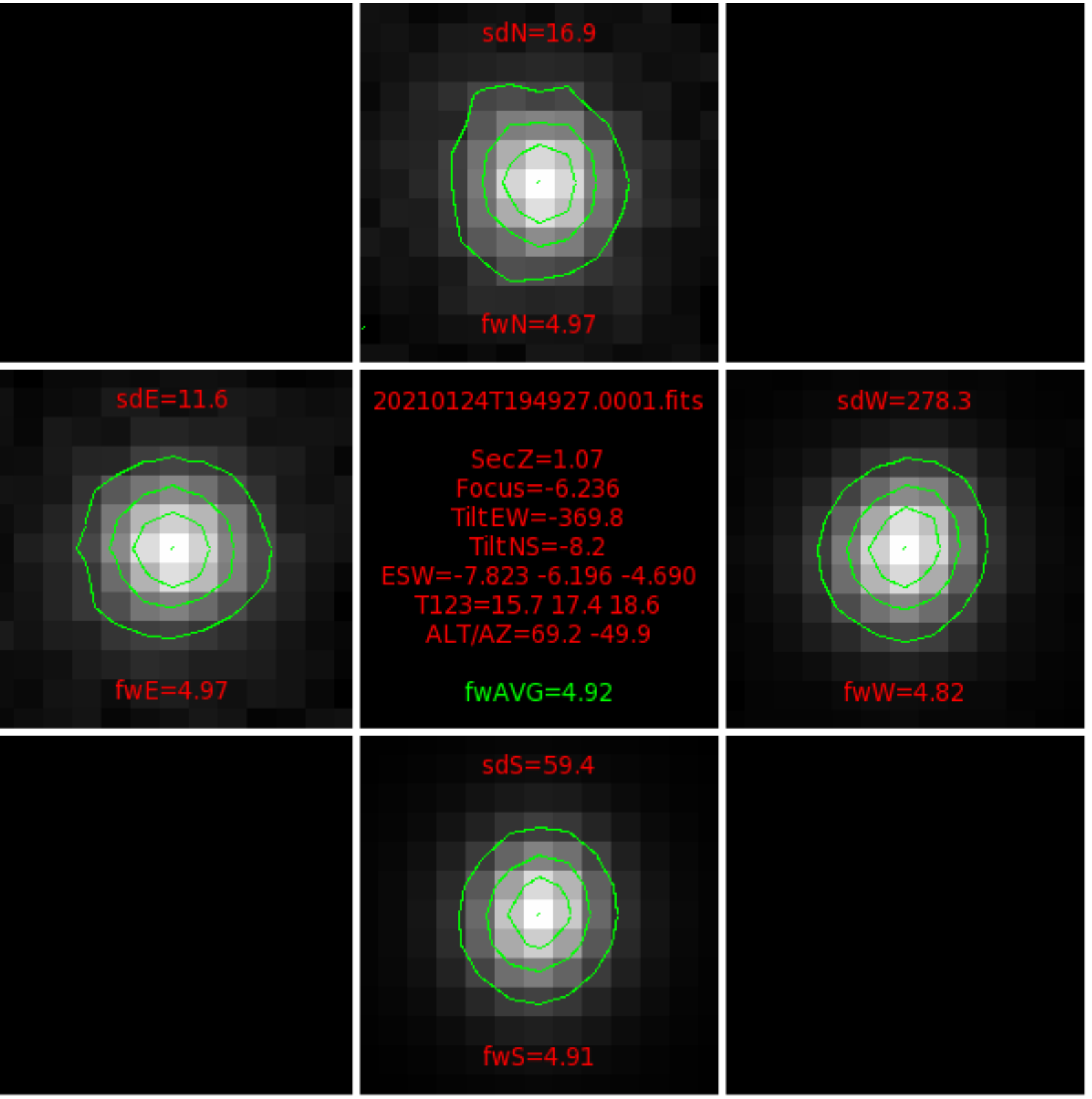
sdN=16.9
fwN=4.97
sdE=11.6
fwE=4.97
20210124T194927.0001.fits
SecZ=1.07
Focus=-6.236
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.823 -6.196 -4.690
T123=15.7 17.4 18.6
ALT/AZ=69.2 -49.9
fwAVG=4.92
sdW=278.3
fwW=4.82
sdS=59.4
fwS=4.91
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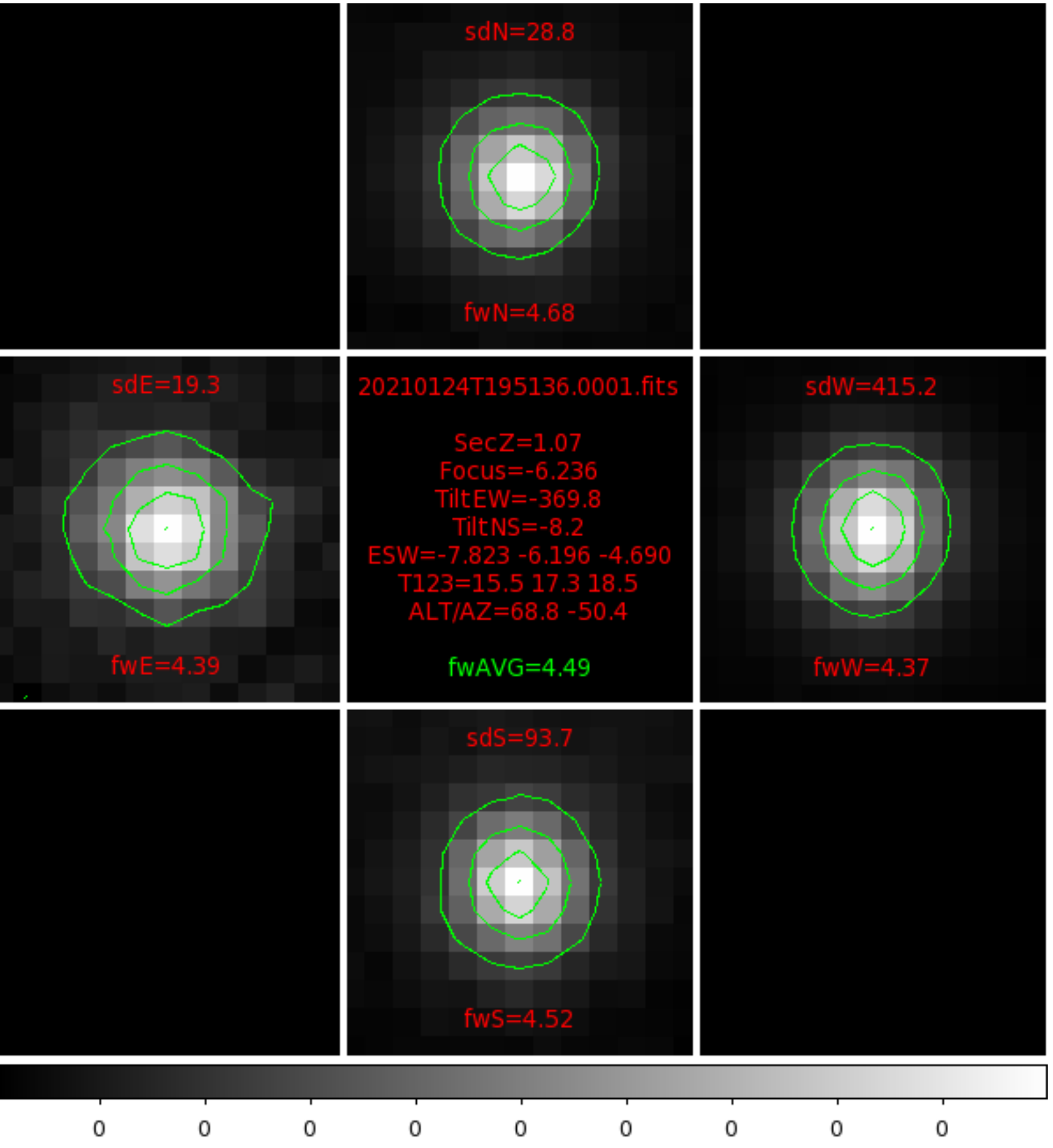
sdN=28.8
fwN=4.68
sdE=19.3
fwE=4.39
20210124T195136.0001.fits
SecZ=1.07
Focus=-6.236
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.823 -6.196 -4.690
T123=15.5 17.3 18.5
ALT/AZ=68.8 -50.4
fwAVG=4.49
sdW=415.2
fwW=4.37
sdS=93.7
fwS=4.52
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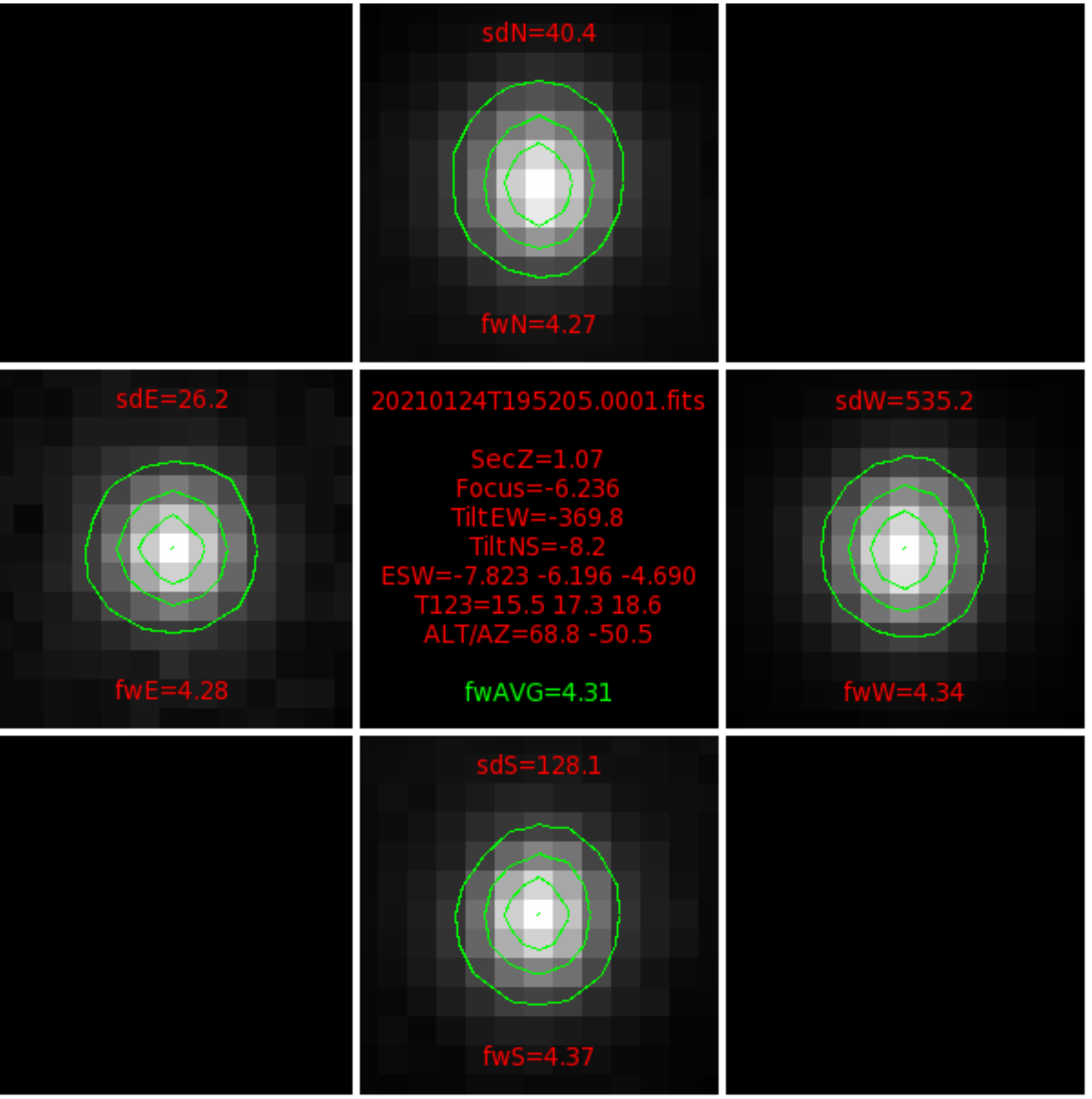
sdN=40.4
fwN=4.27
sdE=26.2
fwE=4.28
20210124T195205.0001.fits
SecZ=1.07
Focus=-6.236
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.823 -6.196 -4.690
T123=15.5 17.3 18.6
ALT/AZ=68.8 -50.5
fwAVG=4.31
sdW=535.2
fwW=4.34
sdS=128.1
fwS=4.37
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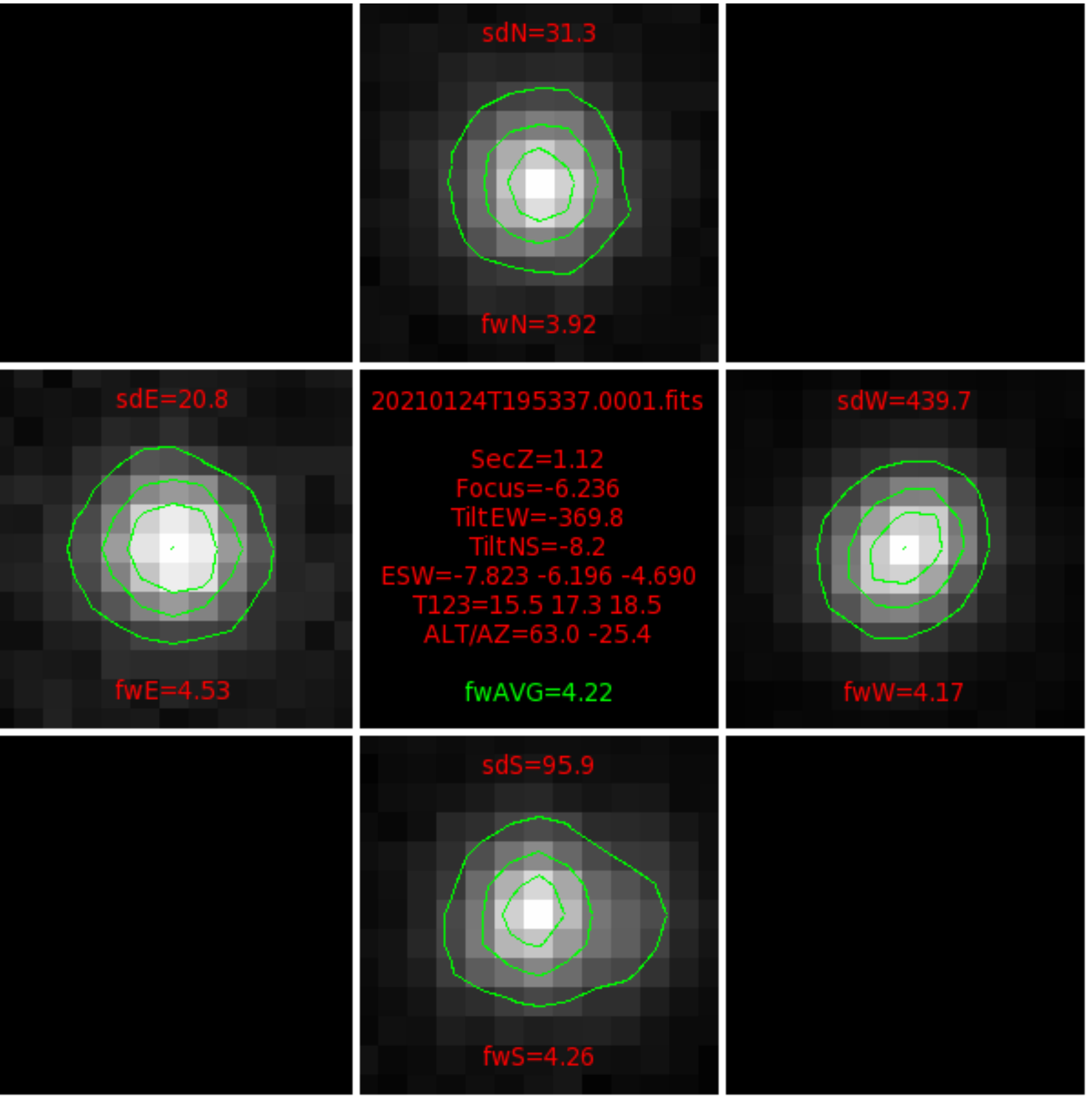
sdN=31.3
fwN=3.92
sdE=20.8
fwE=4.53
20210124T195337.0001.fits
SecZ=1.12
Focus=-6.236
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.823 -6.196 -4.690
T123=15.5 17.3 18.5
ALT/AZ=63.0 -25.4
fwAVG=4.22
sdW=439.7
fwW=4.17
sdS=95.9
fwS=4.26
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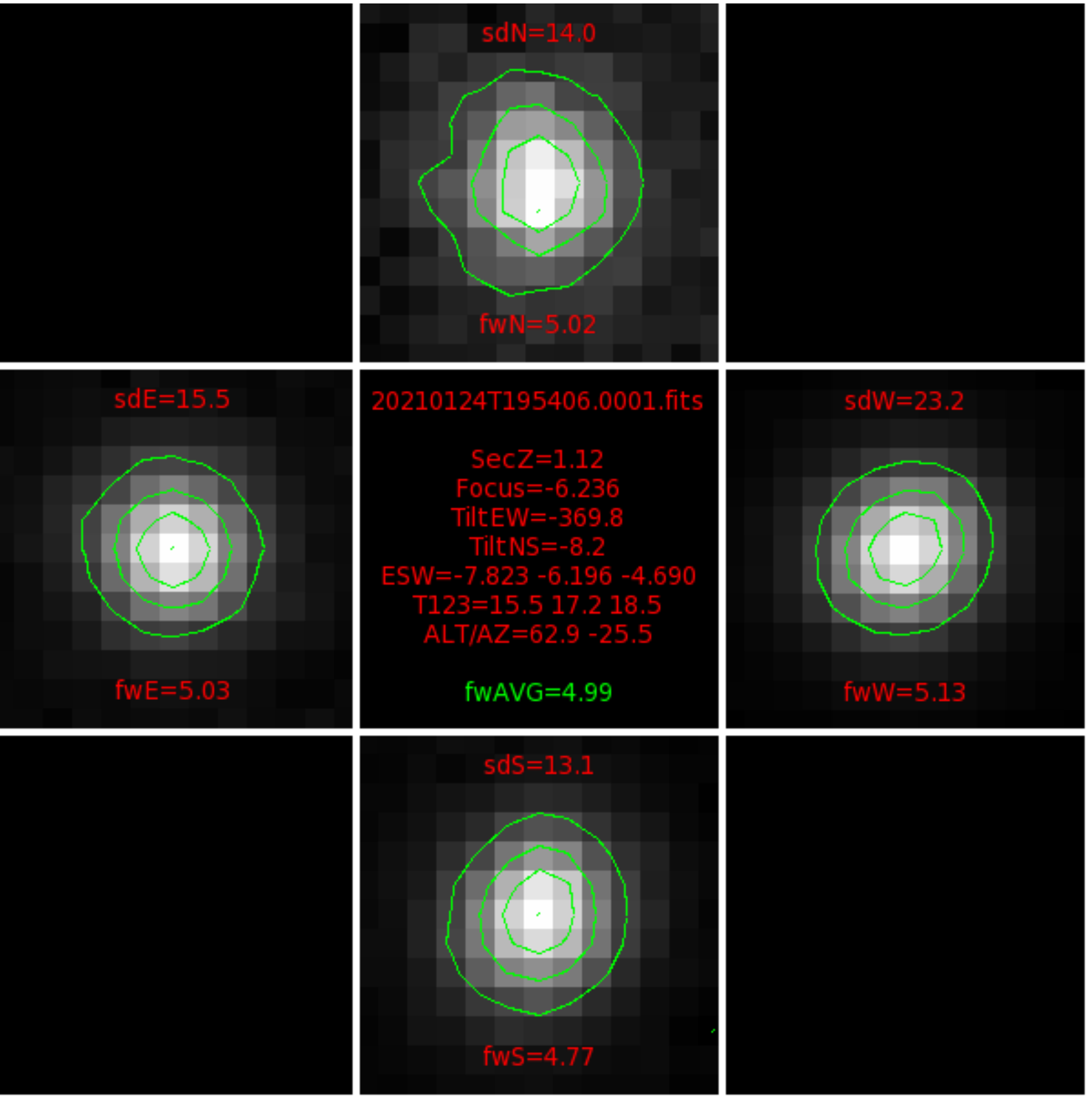
sdN=14.0
fwN=5.02
sdE=15.5
fwE=5.03
20210124T195406.0001.fits
SecZ=1.12
Focus=-6.236
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.823 -6.196 -4.690
T123=15.5 17.2 18.5
ALT/AZ=62.9 -25.5
fwAVG=4.99
sdW=23.2
fwW=5.13
sdS=13.1
fwS=4.77
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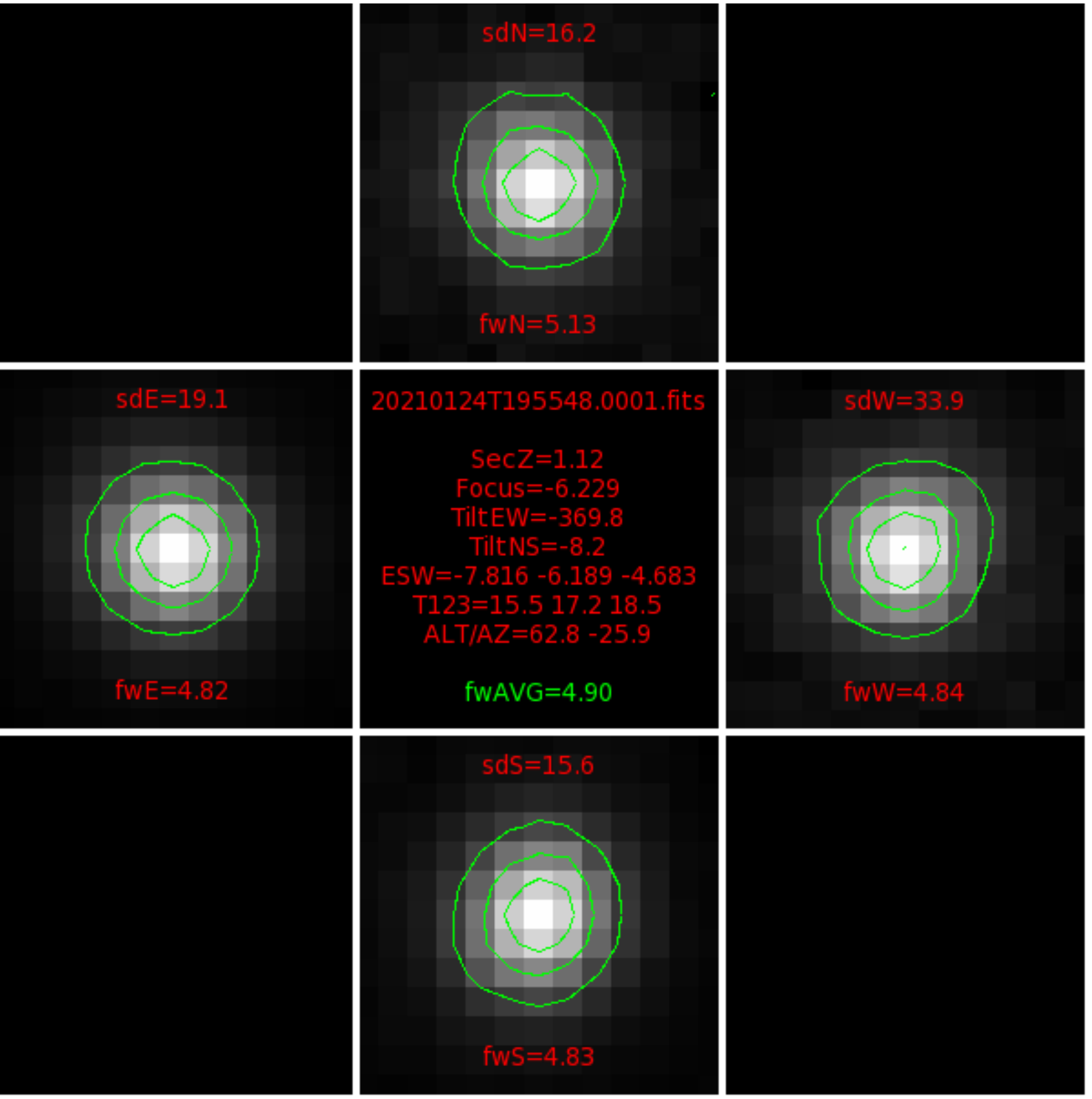
sdN=16.2
fwN=5.13
sdE=19.1
fwE=4.82
20210124T195548.0001.fits
SecZ=1.12
Focus=-6.229
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.816 -6.189 -4.683
T123=15.5 17.2 18.5
ALT/AZ=62.8 -25.9
fwAVG=4.90
sdW=33.9
fwW=4.84
sdS=15.6
fwS=4.83
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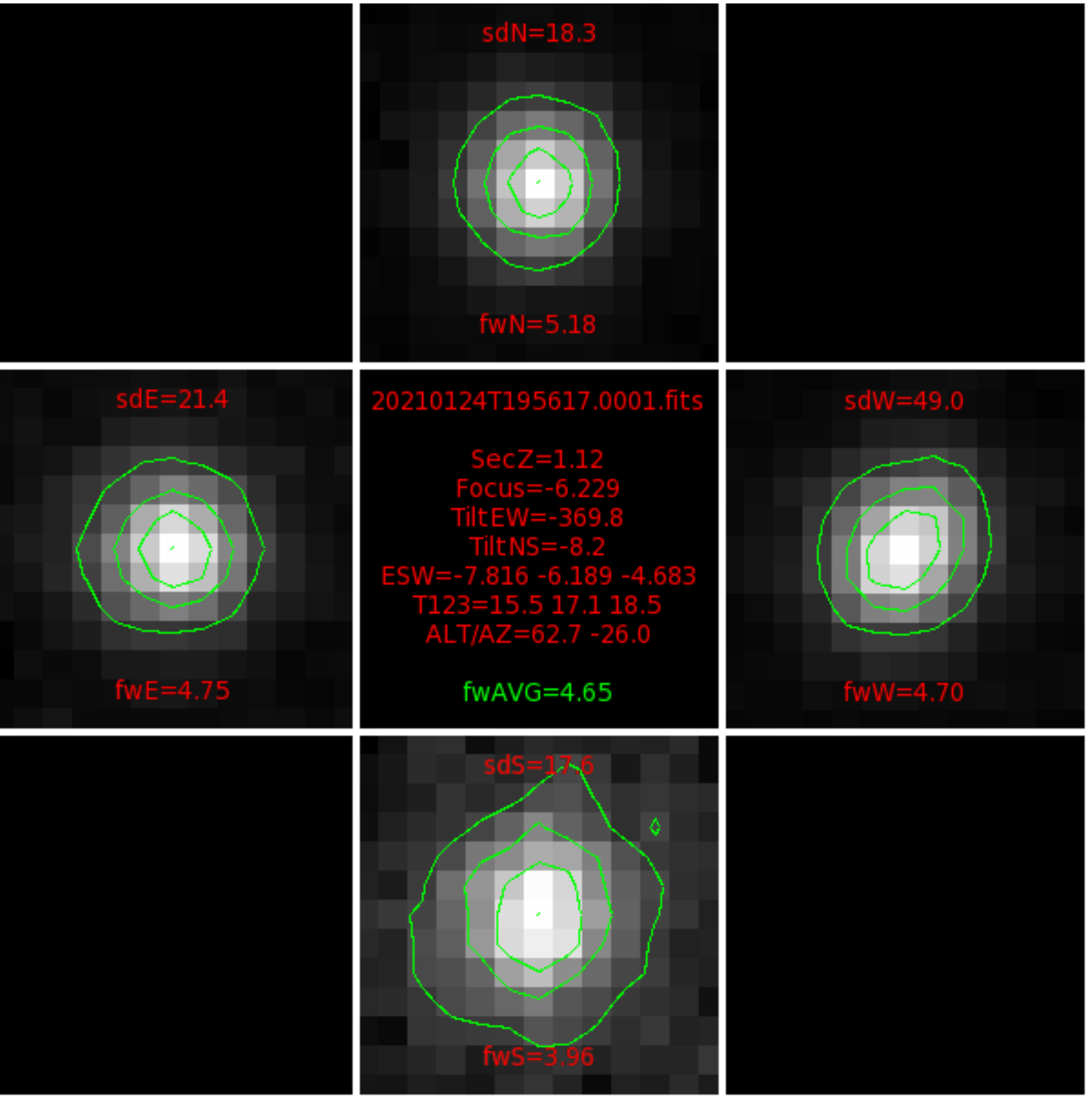
sdN=18.3
fwN=5.18
sdE=21.4
fwE=4.75
20210124T195617.0001.fits
SecZ=1.12
Focus=-6.229
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.816 -6.189 -4.683
T123=15.5 17.1 18.5
ALT/AZ=62.7 -26.0
fwAVG=4.65
sdW=49.0
fwW=4.70
sdS=17.6
fwS=3.96
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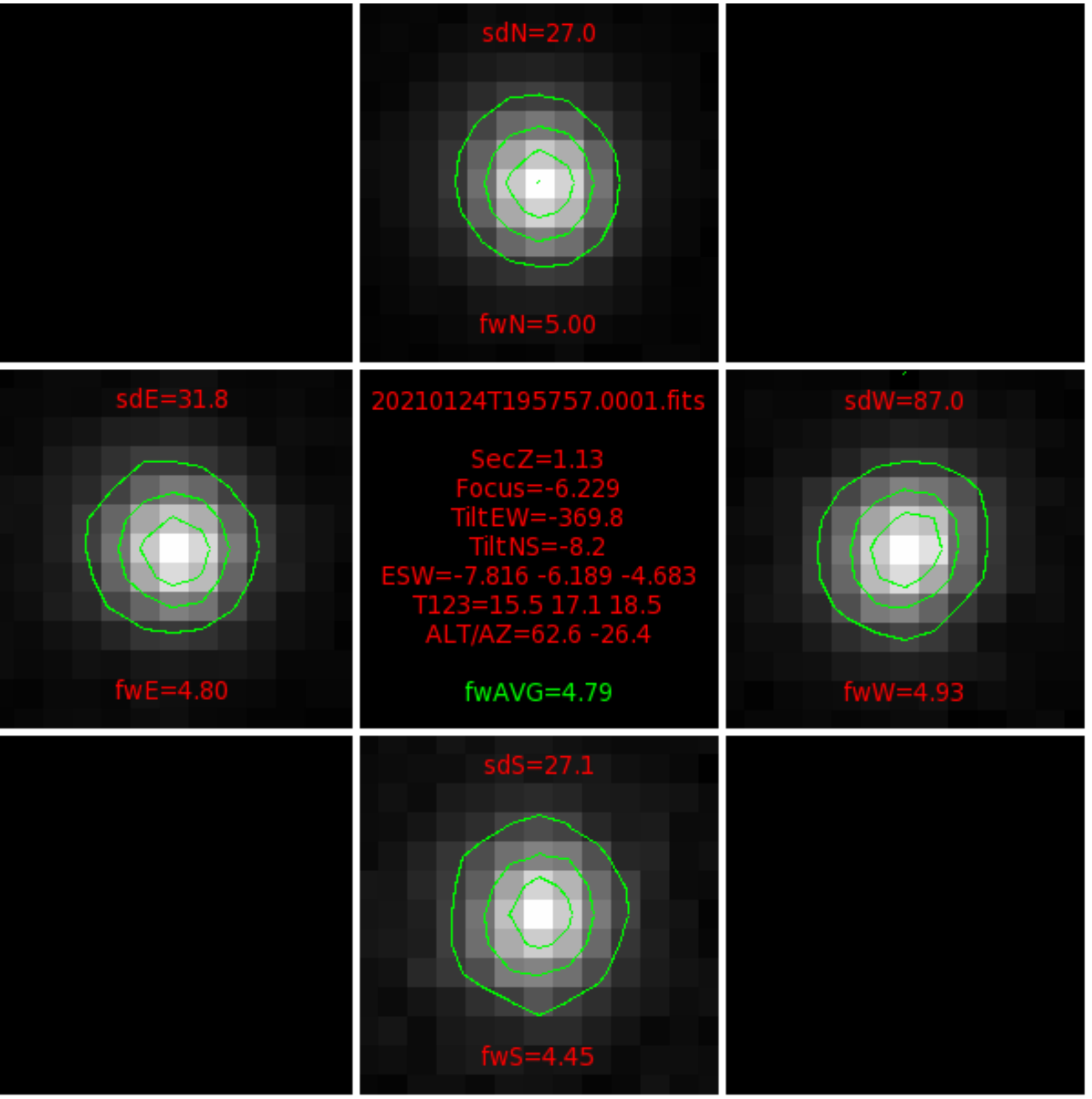
sdN=27.0
fwN=5.00
sdE=31.8
fwE=4.80
20210124T195757.0001.fits
SecZ=1.13
Focus=-6.229
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.816 -6.189 -4.683
T123=15.5 17.1 18.5
ALT/AZ=62.6 -26.4
fwAVG=4.79
sdW=87.0
fwW=4.93
sdS=27.1
fwS=4.45
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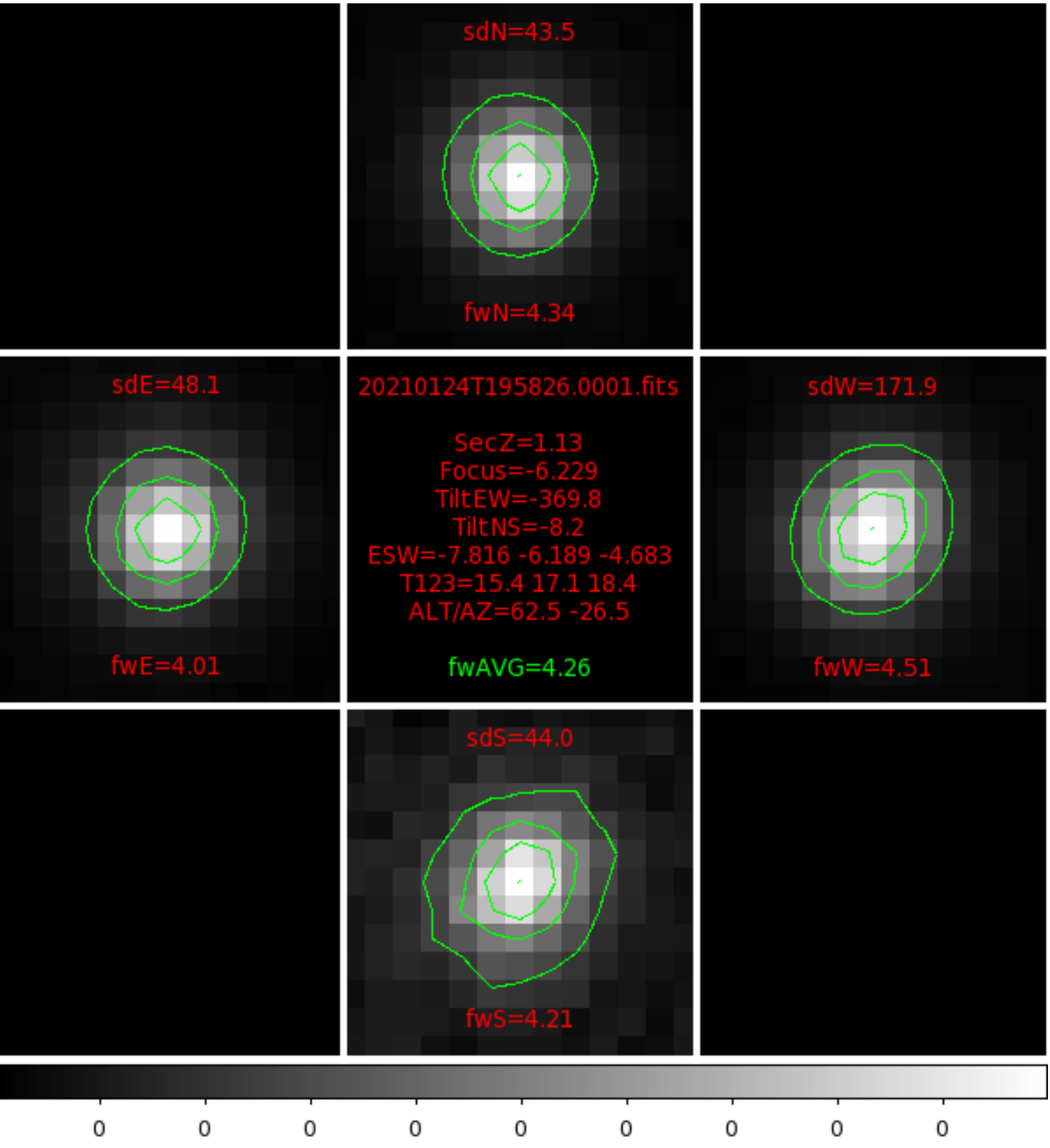
sdN=43.5
fwN=4.34
sdE=48.1
fwE=4.01
20210124T195826.0001.fits
SecZ=1.13
Focus=-6.229
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.816 -6.189 -4.683
T123=15.4 17.1 18.4
ALT/AZ=62.5 -26.5
fwAVG=4.26
sdW=171.9
fwW=4.51
sdS=44.0
fwS=4.21
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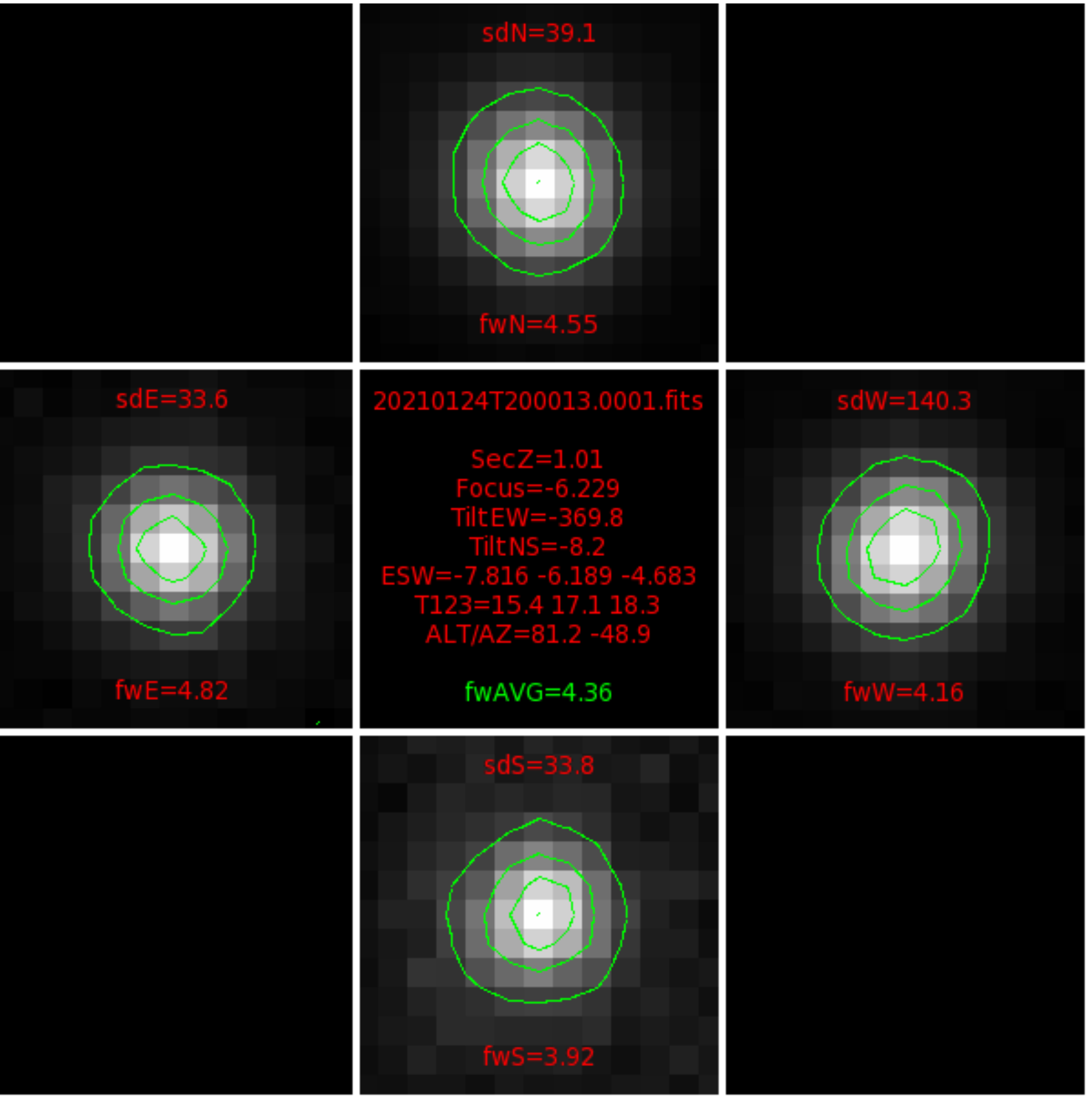
sdN=39.1
fwN=4.55
sdE=33.6
fwE=4.82
20210124T200013.0001.fits
SecZ=1.01
Focus=-6.229
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.816 -6.189 -4.683
T123=15.4 17.1 18.3
ALT/AZ=81.2 -48.9
fwAVG=4.36
sdW=140.3
fwW=4.16
sdS=33.8
fwS=3.92
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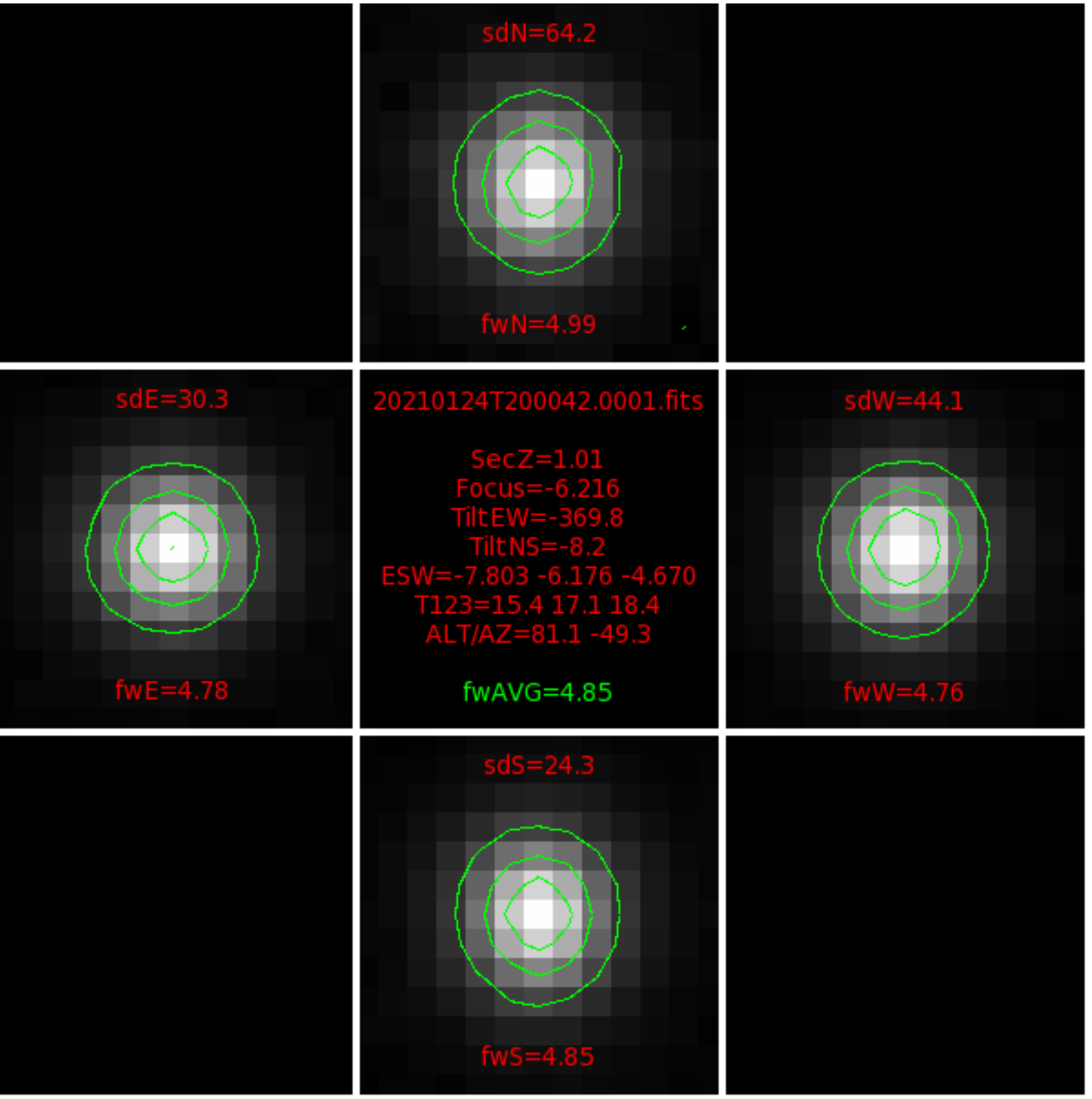
sdN=64.2
fwN=4.99
sdE=30.3
fwE=4.78
20210124T200042.0001.fits
SecZ=1.01
Focus=-6.216
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.803 -6.176 -4.670
T123=15.4 17.1 18.4
ALT/AZ=81.1 -49.3
fwAVG=4.85
sdW=44.1
fwW=4.76
sdS=24.3
fwS=4.85
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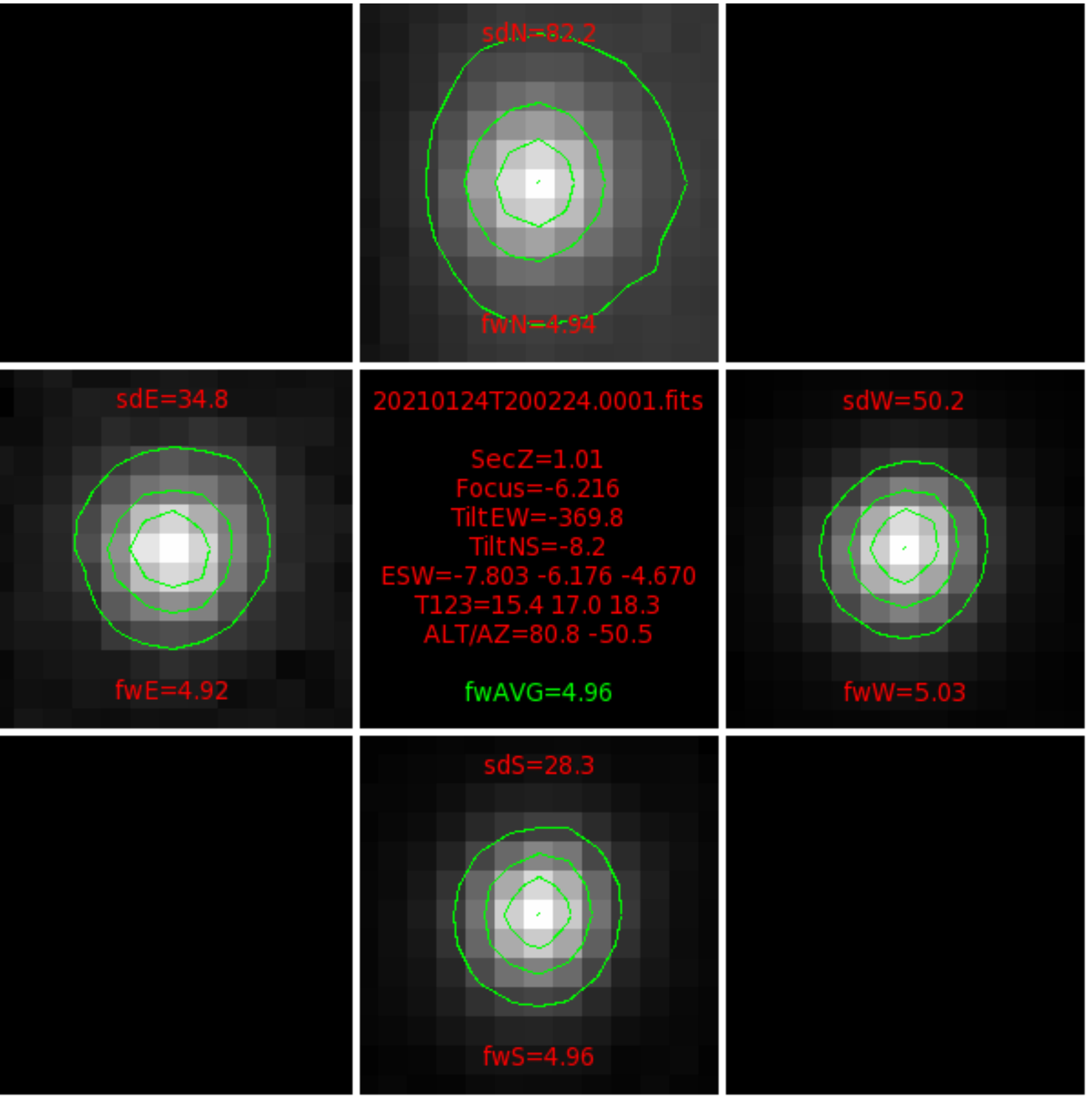
sdN=82.2
fwN=4.94
sdE=34.8
fwE=4.92
20210124T200224.0001.fits
SecZ=1.01
Focus=-6.216
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.803 -6.176 -4.670
T123=15.4 17.0 18.3
ALT/AZ=80.8 -50.5
fwAVG=4.96
sdW=50.2
fwW=5.03
sdS=28.3
fwS=4.96
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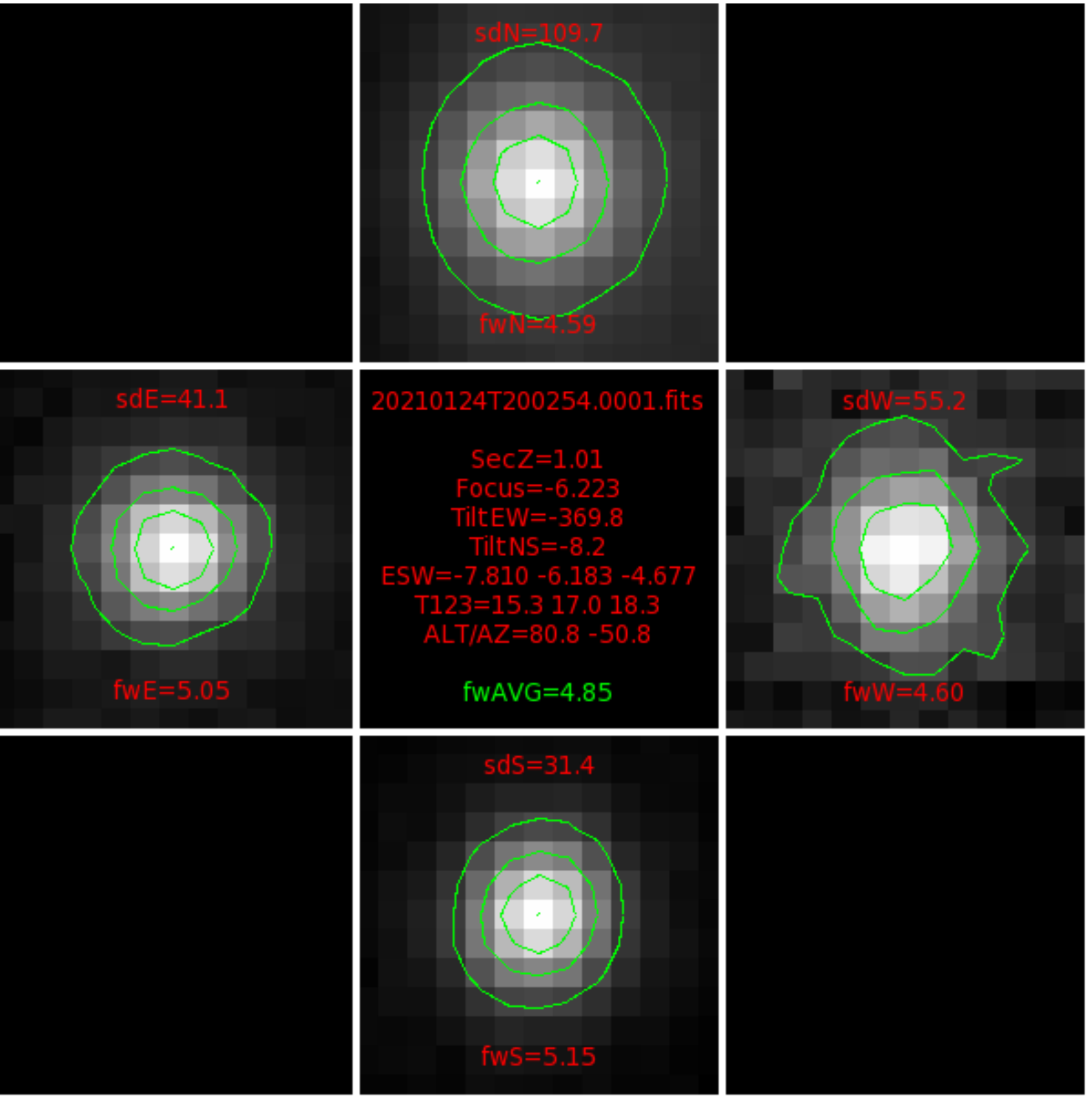
sdN=109.7
fwN=4.59
sdE=41.1
fwE=5.05
20210124T200254.0001.fits
SecZ=1.01
Focus=-6.223
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.810 -6.183 -4.677
T123=15.3 17.0 18.3
ALT/AZ=80.8 -50.8
fwAVG=4.85
sdW=55.2
fwW=4.60
sdS=31.4
fwS=5.15
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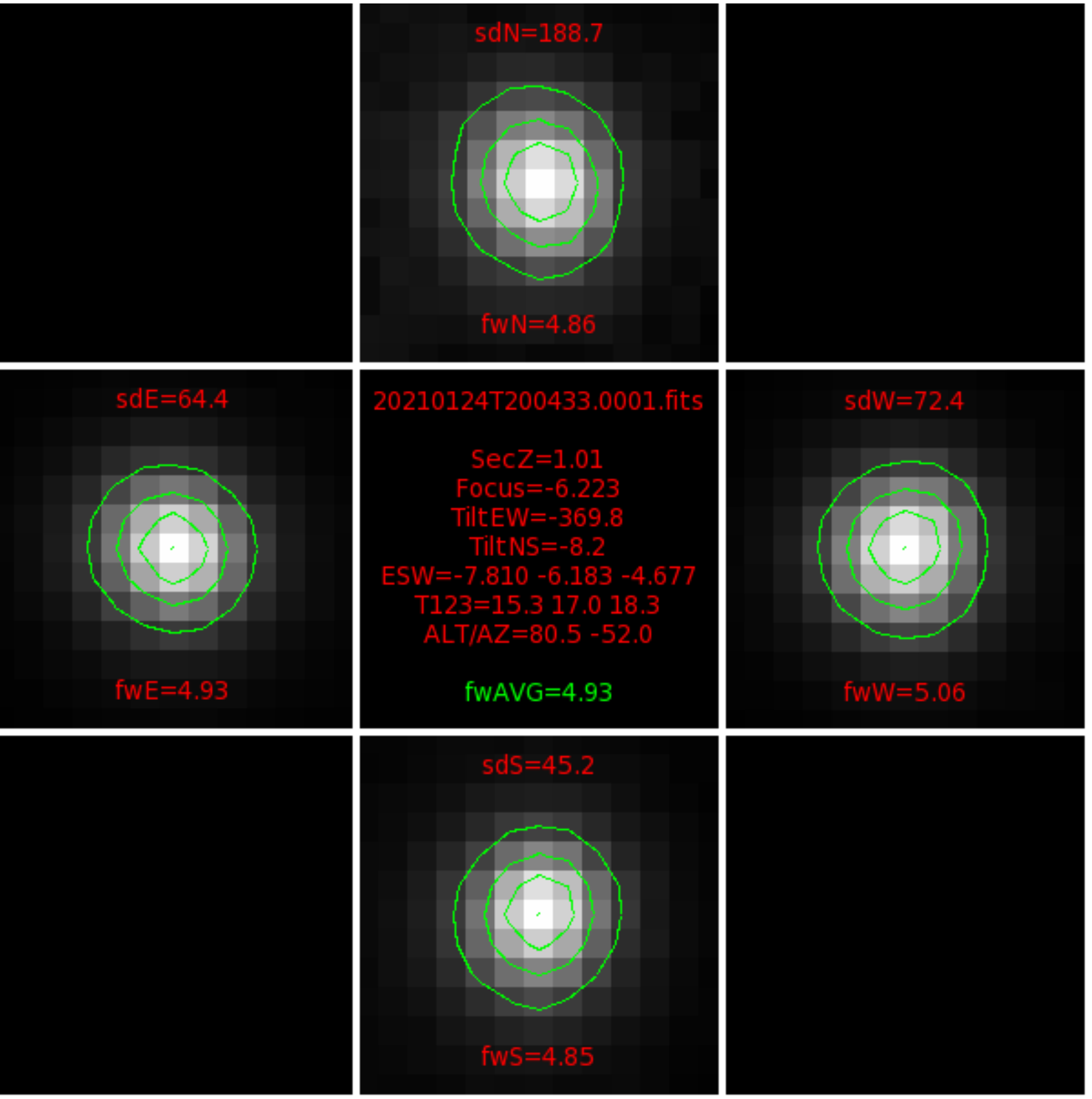
sdN=188.7
fwN=4.86
sdE=64.4
fwE=4.93
20210124T200433.0001.fits
SecZ=1.01
Focus=-6.223
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.810 -6.183 -4.677
T123=15.3 17.0 18.3
ALT/AZ=80.5 -52.0
fwAVG=4.93
sdW=72.4
fwW=5.06
sdS=45.2
fwS=4.85
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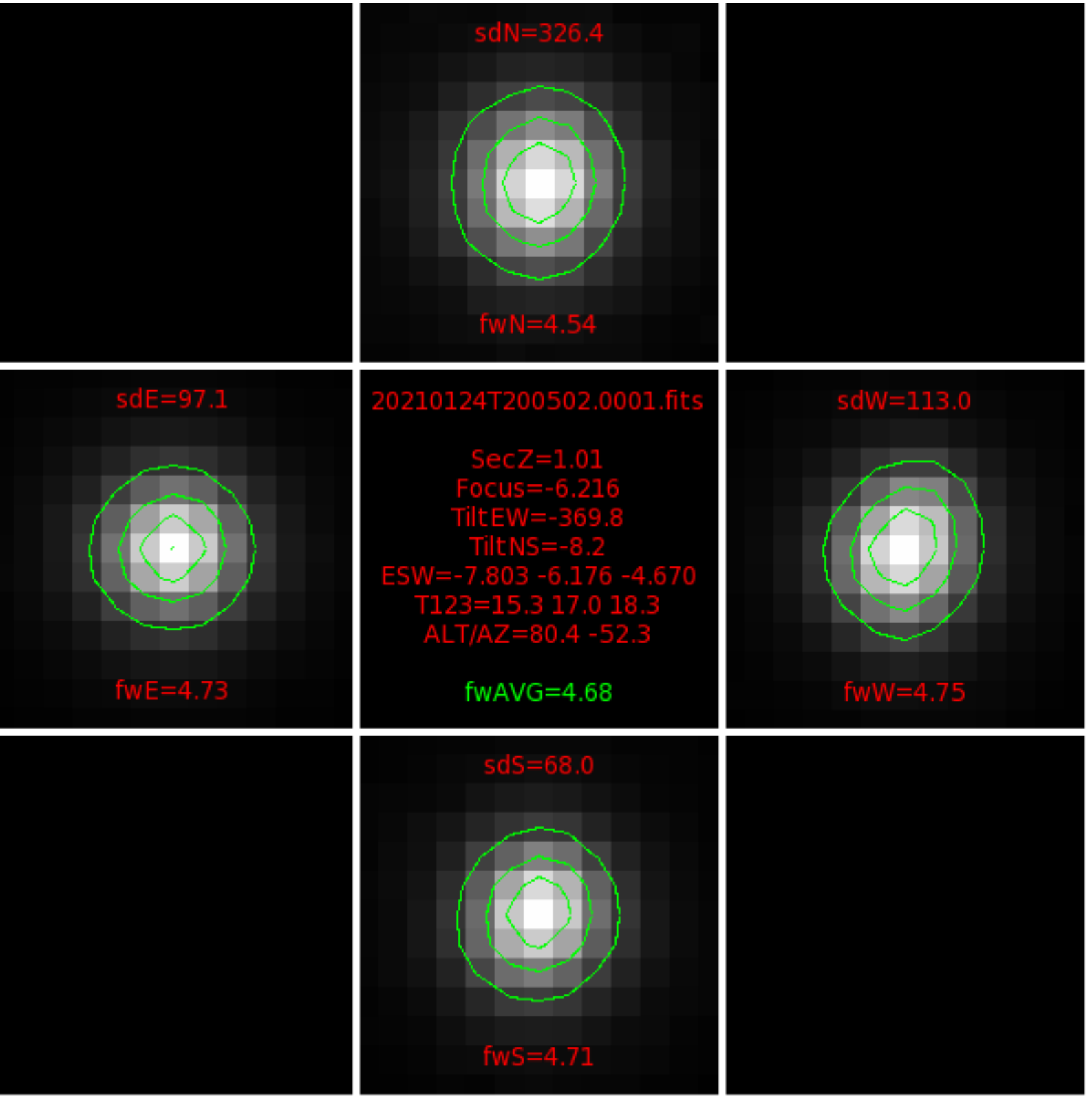
sdN=326.4
fwN=4.54
sdE=97.1
fwE=4.73
20210124T200502.0001.fits
SecZ=1.01
Focus=-6.216
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.803 -6.176 -4.670
T123=15.3 17.0 18.3
ALT/AZ=80.4 -52.3
fwAVG=4.68
sdW=113.0
fwW=4.75
sdS=68.0
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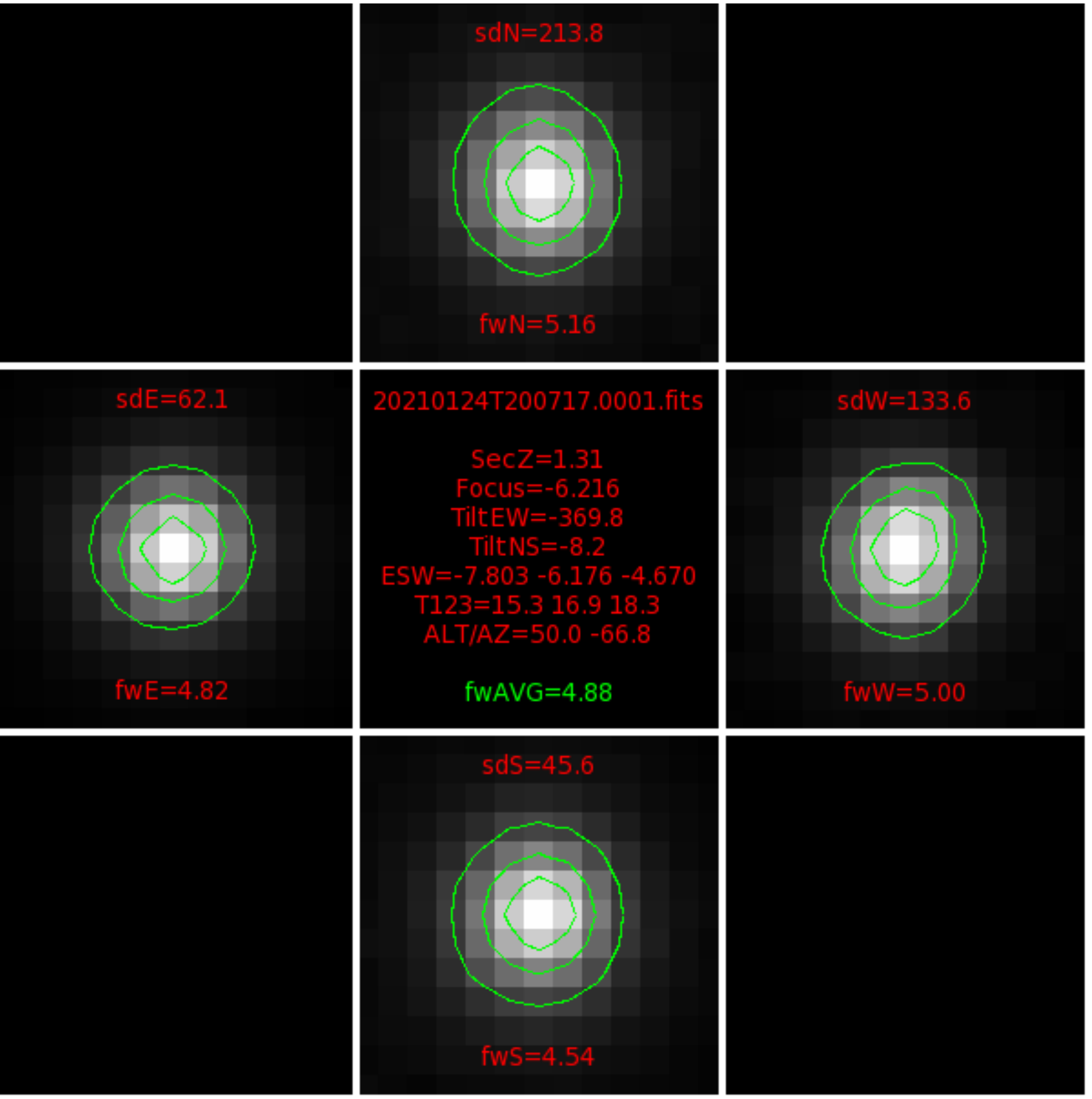
sdN=213.8
fwN=5.16
sdE=62.1
fwE=4.82
20210124T200717.0001.fits
SecZ=1.31
Focus=-6.216
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.803 -6.176 -4.670
T123=15.3 16.9 18.3
ALT/AZ=50.0 -66.8
fwAVG=4.88
sdW=133.6
fwW=5.00
sdS=45.6
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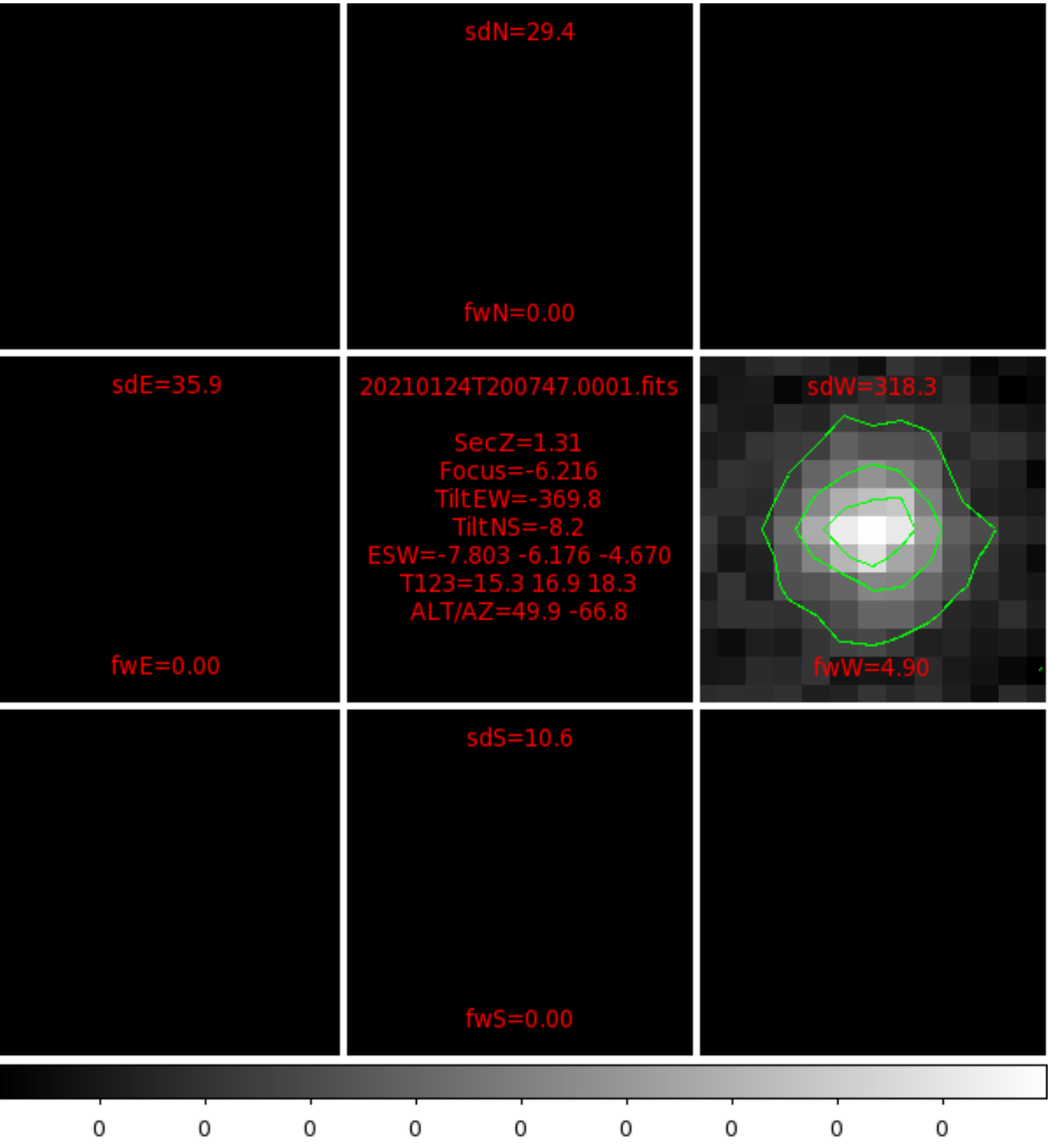
sdN=29.4
fwN=0.00
sdE=35.9
20210124T200747.0001.fits
SecZ=1.31
Focus=-6.216
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.803 -6.176 -4.670
T123=15.3 16.9 18.3
ALT/AZ=49.9 -66.8
sdW=318.3
fwE=0.00
fwW=4.90
sdS=10.6
fwS=0.00
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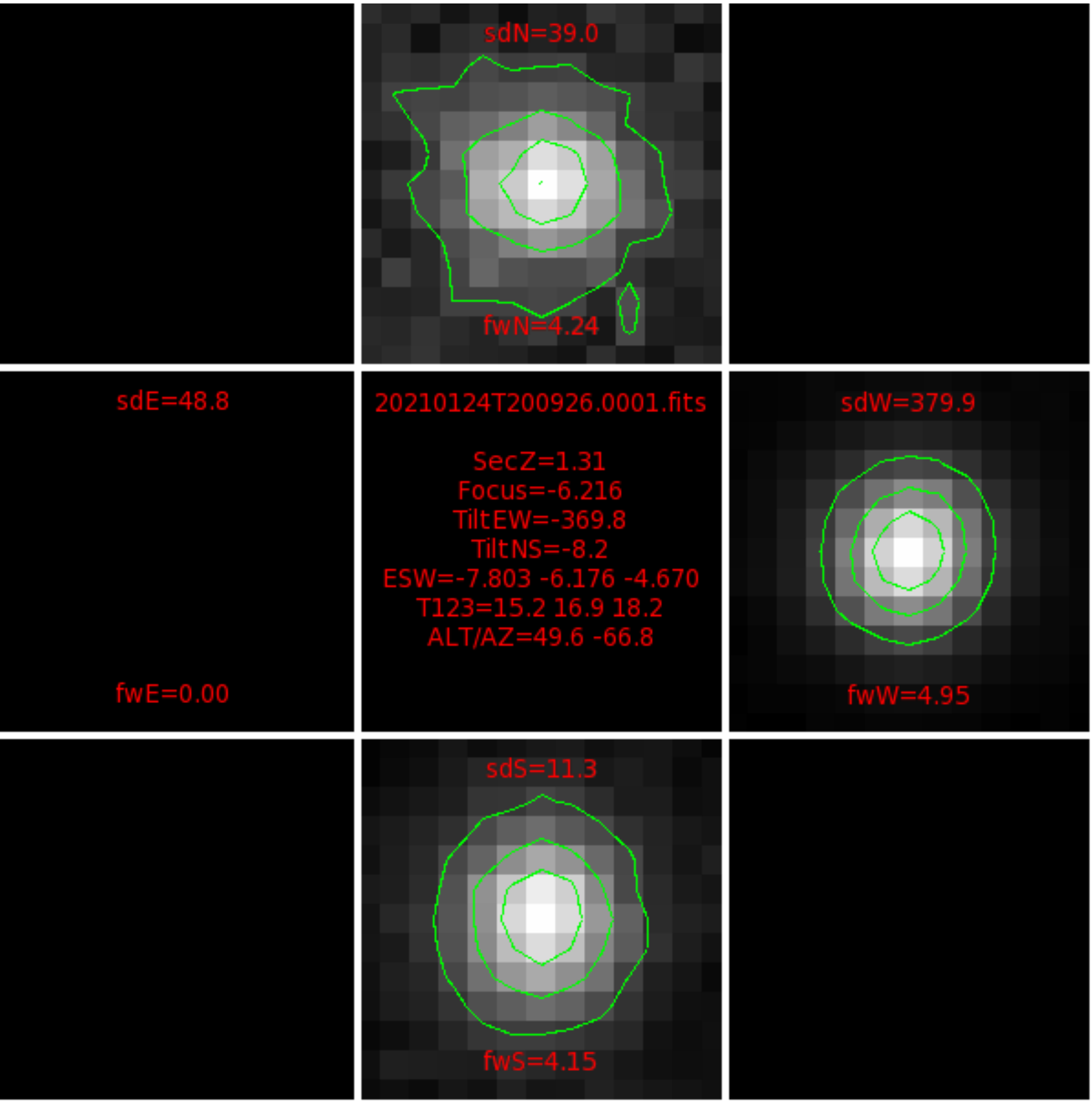
sdN=39.0
fwN=4.24
sdE=48.8
fwE=0.00
20210124T200926.0001.fits
SecZ=1.31
Focus=-6.216
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.803 -6.176 -4.670
T123=15.2 16.9 18.2
ALT/AZ=49.6 -66.8
sdW=379.9
fwW=4.95
sdS=11.3
fwS=4.15
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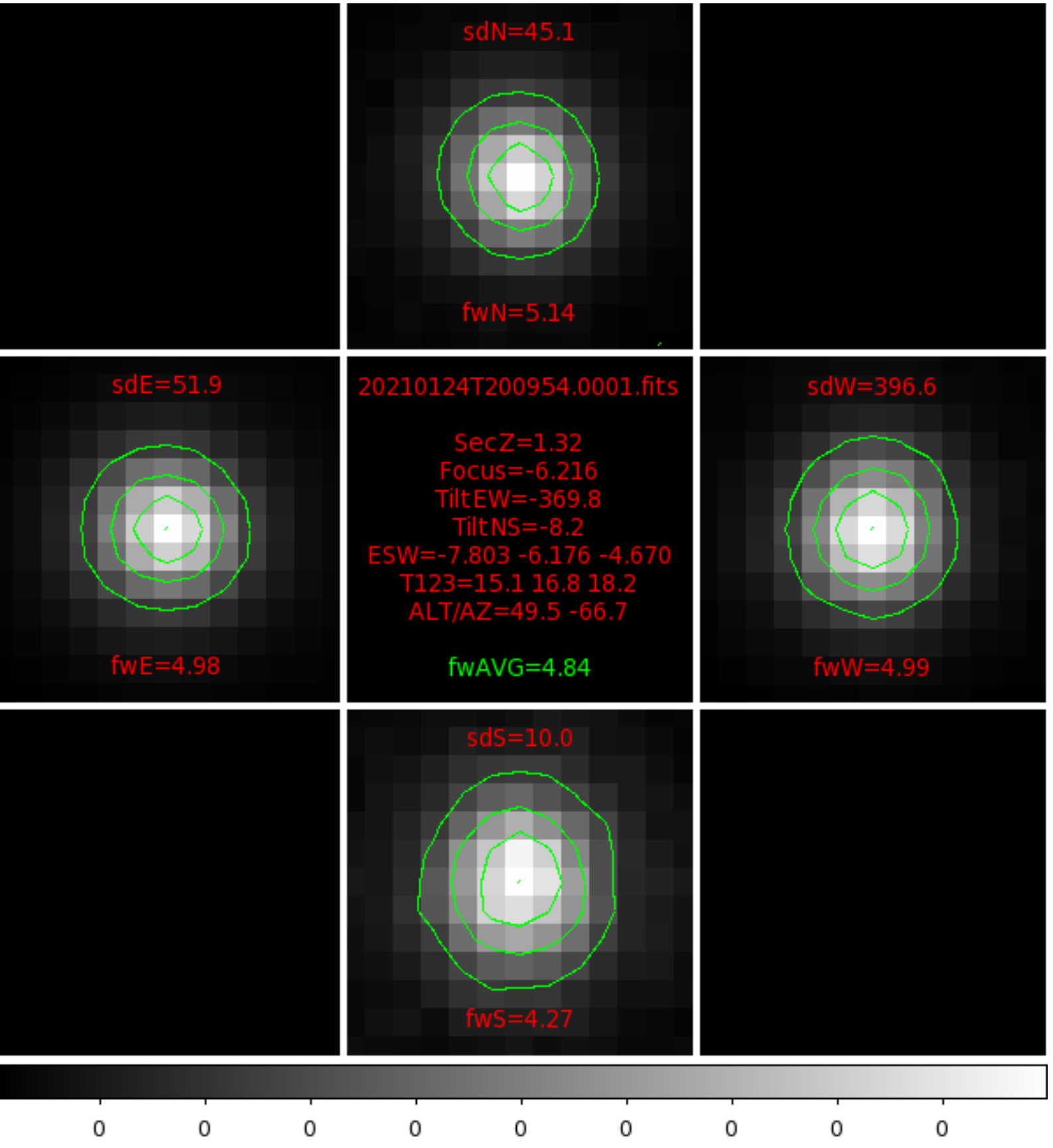
sdN=45.1
fwN=5.14
sdE=51.9
fwE=4.98
20210124T200954.0001.fits
SecZ=1.32
Focus=-6.216
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.803 -6.176 -4.670
T123=15.1 16.8 18.2
ALT/AZ=49.5 -66.7
fwAVG=4.84
sdW=396.6
fwW=4.99
sdS=10.0
fwS=4.27
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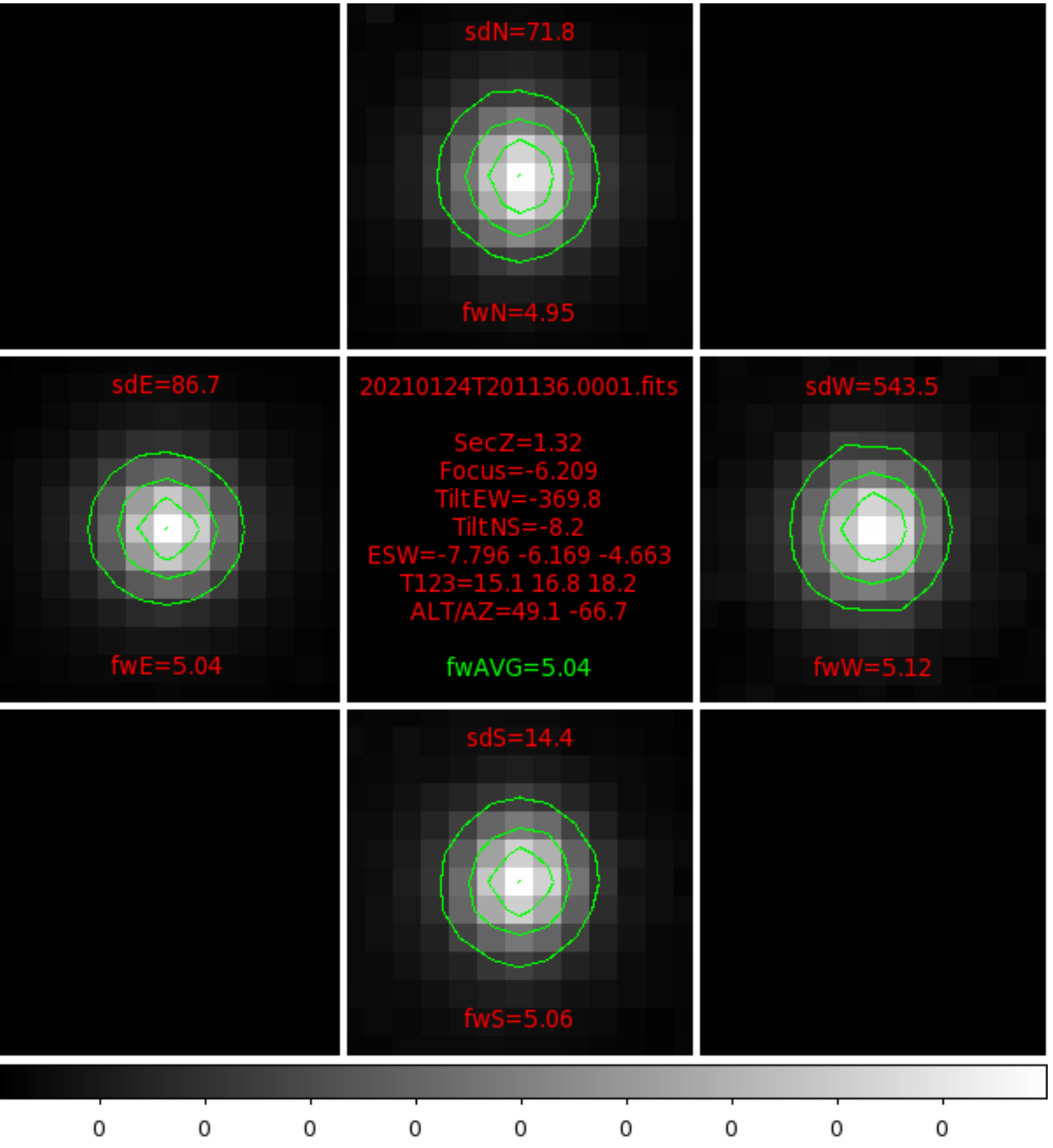
sdN=71.8
fwN=4.95
sdE=86.7
fwE=5.04
20210124T201136.0001.fits
SecZ=1.32
Focus=-6.209
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.796 -6.169 -4.663
T123=15.1 16.8 18.2
ALT/AZ=49.1 -66.7
fwAVG=5.04
sdW=543.5
fwW=5.12
sdS=14.4
fwS=5.06
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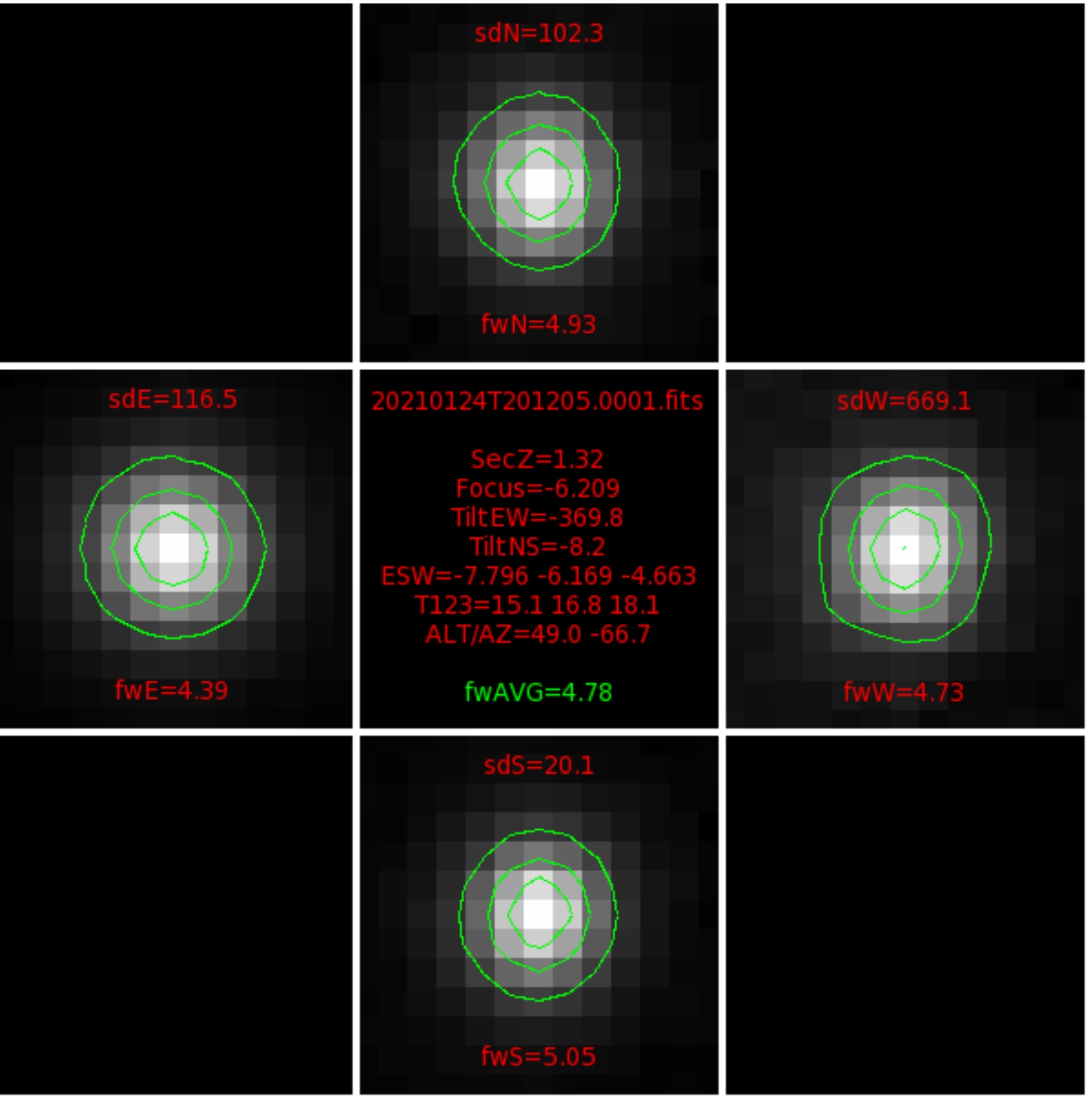
sdN=102.3
fwN=4.93
sdE=116.5
fwE=4.39
20210124T201205.0001.fits
SecZ=1.32
Focus=-6.209
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.796 -6.169 -4.663
T123=15.1 16.8 18.1
ALT/AZ=49.0 -66.7
fwAVG=4.78
sdW=669.1
fwW=4.73
sdS=20.1
fwS=5.05
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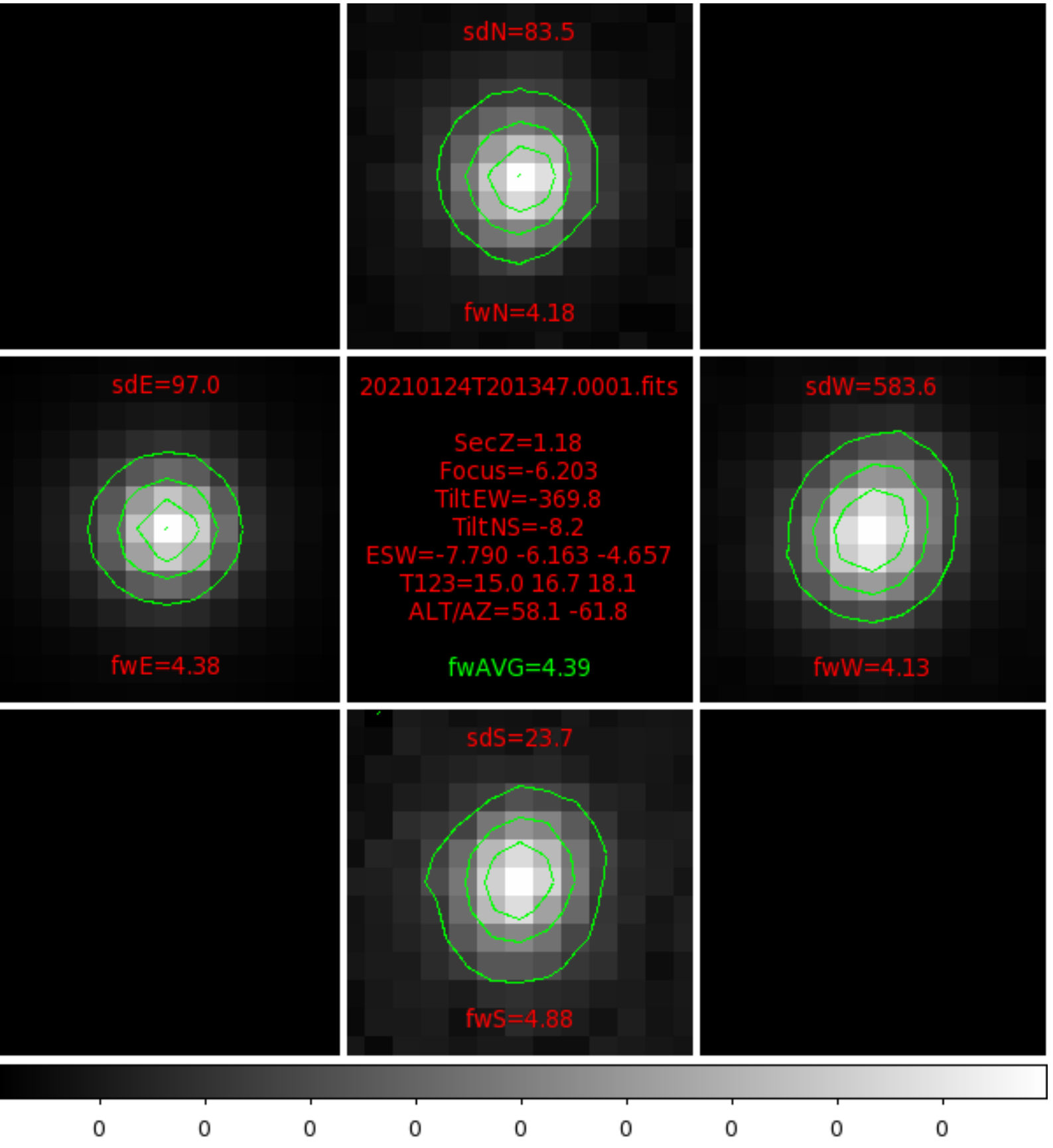
sdN=83.5
fwN=4.18
sdE=97.0
fwE=4.38
20210124T201347.0001.fits
SecZ=1.18
Focus=-6.203
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.790 -6.163 -4.657
T123=15.0 16.7 18.1
ALT/AZ=58.1 -61.8
fwAVG=4.39
sdW=583.6
fwW=4.13
sdS=23.7
fwS=4.88
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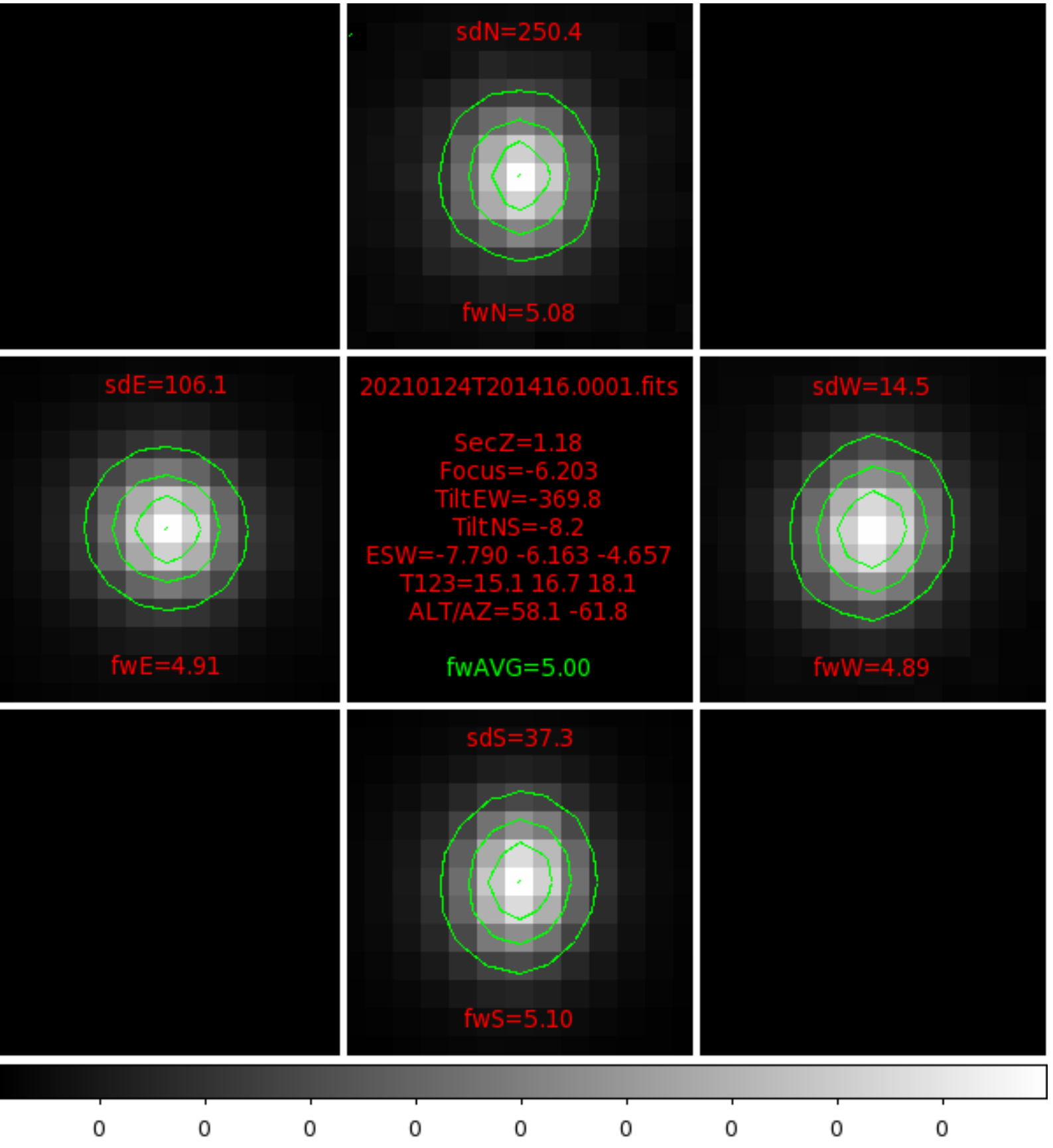
sdN=250.4
fwN=5.08
sdE=106.1
fwE=4.91
20210124T201416.0001.fits
SecZ=1.18
Focus=-6.203
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.790 -6.163 -4.657
T123=15.1 16.7 18.1
ALT/AZ=58.1 -61.8
fwAVG=5.00
sdW=14.5
fwW=4.89
sdS=37.3
fwS=5.10
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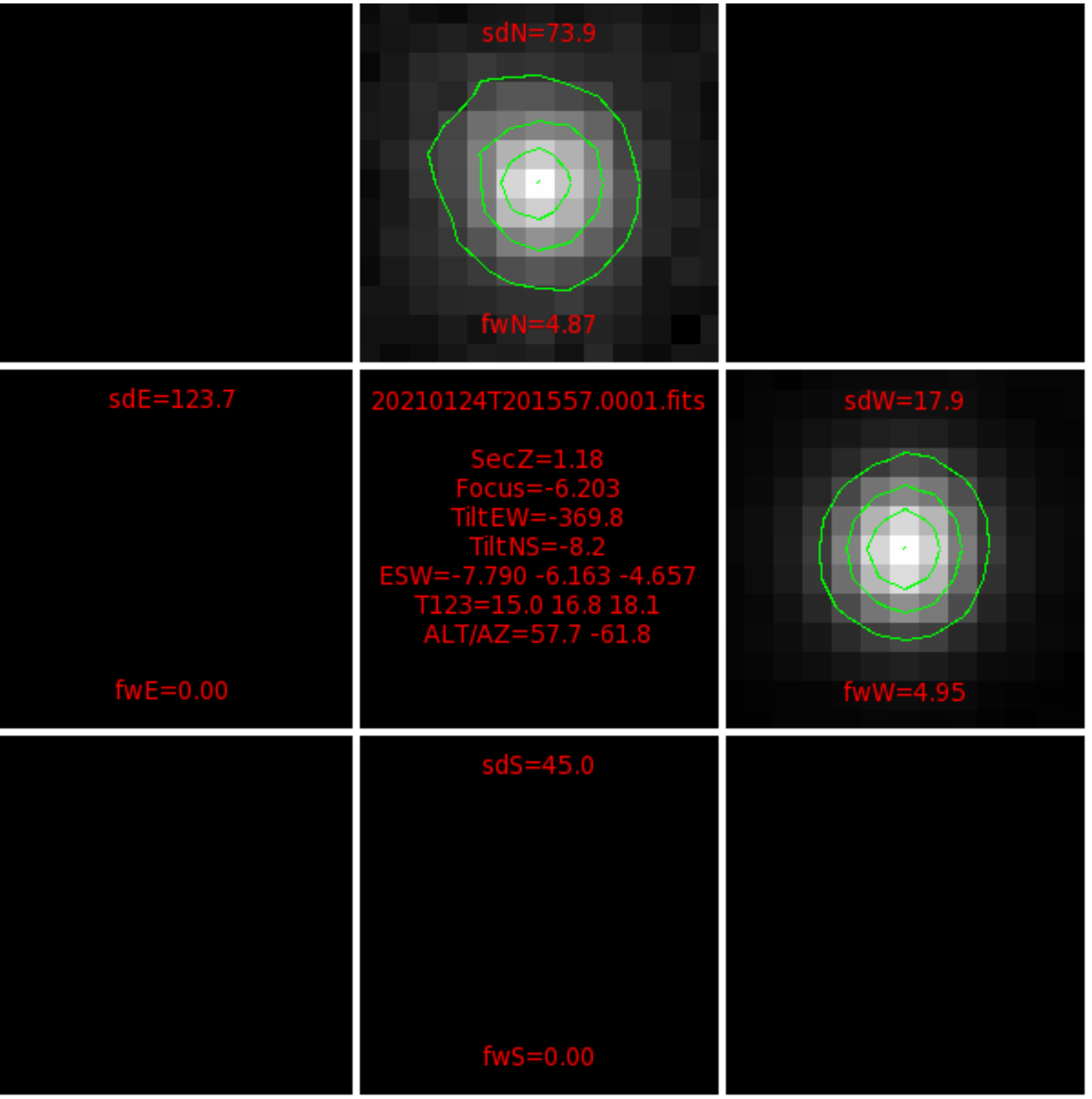
sdN=73.9
fwN=4.87
sdE=123.7
fwE=0.00
20210124T201557.0001.fits
SecZ=1.18
Focus=-6.203
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.790 -6.163 -4.657
T123=15.0 16.8 18.1
ALT/AZ=57.7 -61.8
sdW=17.9
fwW=4.95
sdS=45.0
fwS=0.00
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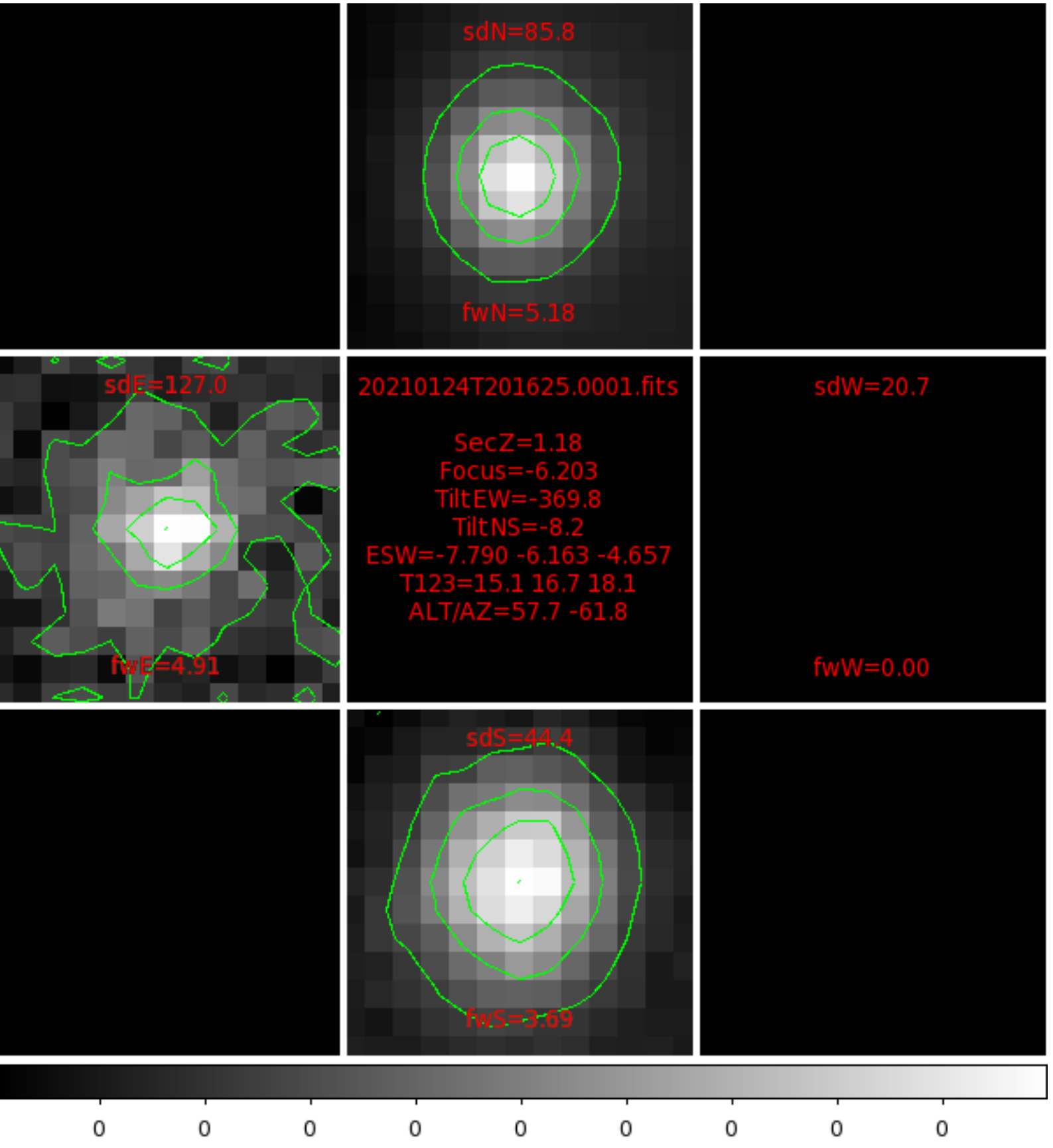
sdN=85.8
fwN=5.18
sdE=127.0
fwE=4.91
20210124T201625.0001.fits
SecZ=1.18
Focus=-6.203
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.790 -6.163 -4.657
T123=15.1 16.7 18.1
ALT/AZ=57.7 -61.8
sdW=20.7
fwW=0.00
sdS=44.4
fwS=3.69
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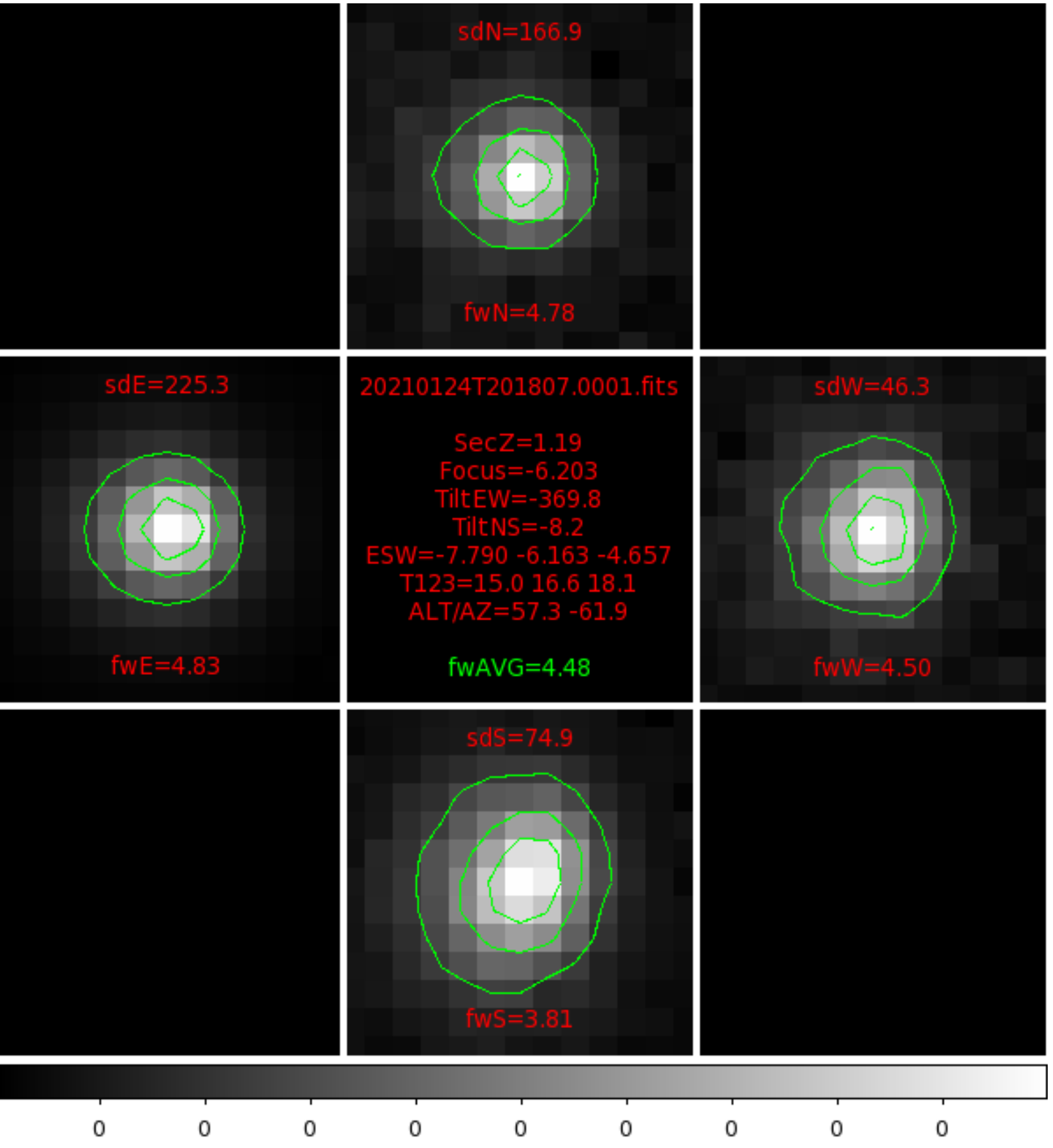
sdN=166.9
fwN=4.78
sdE=225.3
fwE=4.83
20210124T201807.0001.fits
SecZ=1.19
Focus=-6.203
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.790 -6.163 -4.657
T123=15.0 16.6 18.1
ALT/AZ=57.3 -61.9
fwAVG=4.48
sdW=46.3
fwW=4.50
sdS=74.9
fwS=3.81
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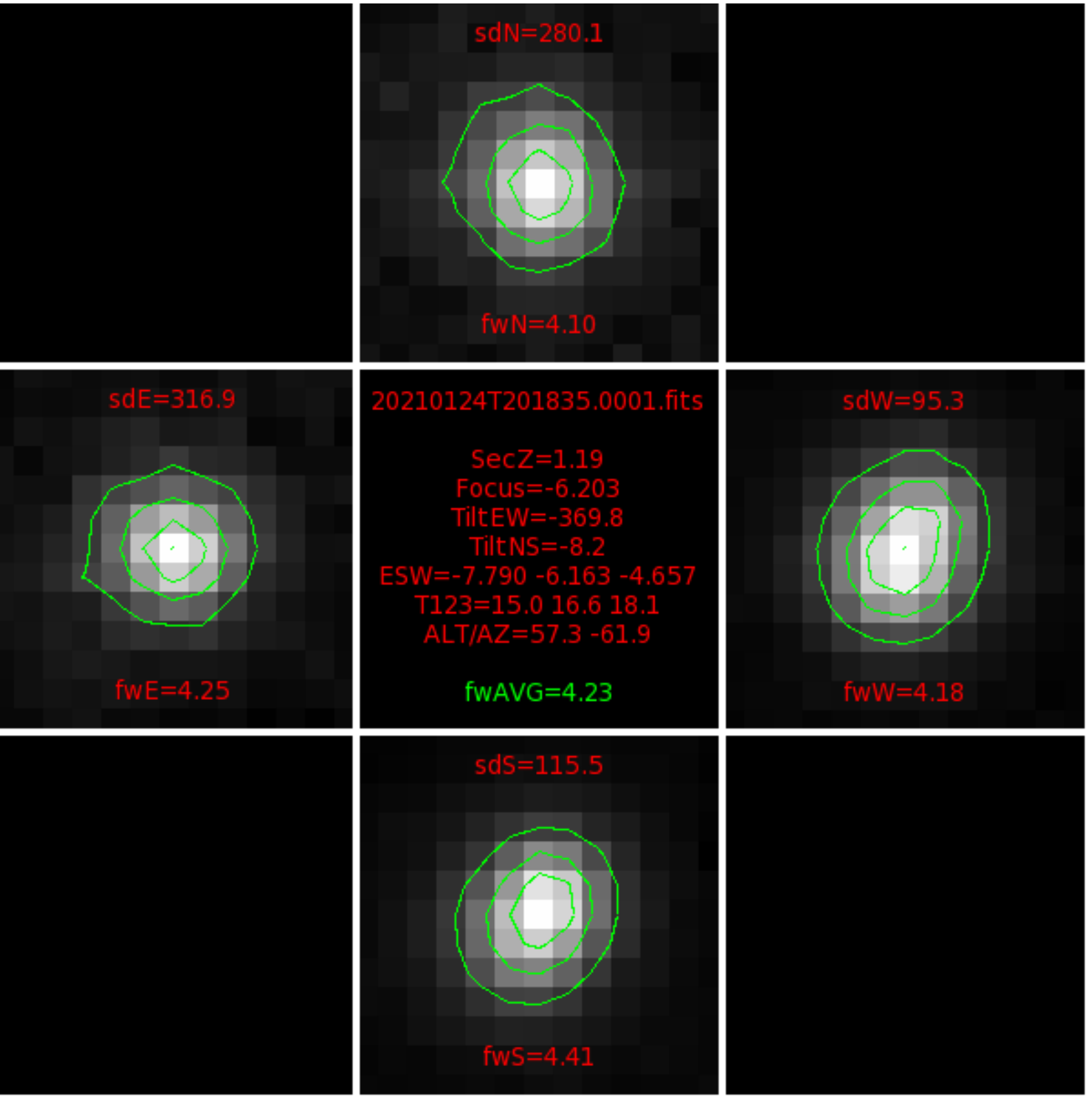
sdN=280.1
fwN=4.10
sdE=316.9
fwE=4.25
20210124T201835.0001.fits
SecZ=1.19
Focus=-6.203
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.790 -6.163 -4.657
T123=15.0 16.6 18.1
ALT/AZ=57.3 -61.9
fwAVG=4.23
sdW=95.3
fwW=4.18
sdS=115.5
fwS=4.41
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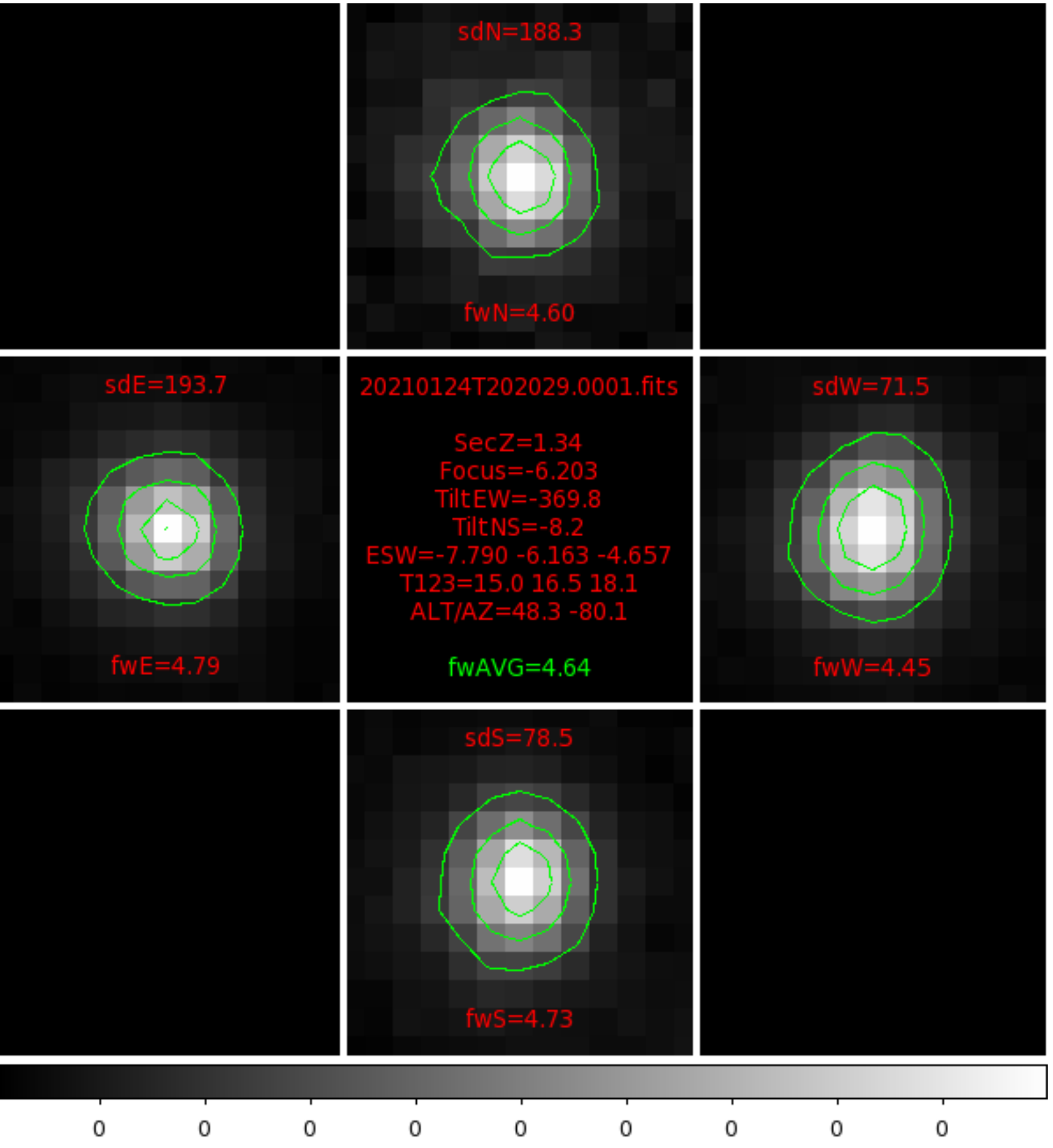
sdN=188.3
fwN=4.60
sdE=193.7
fwE=4.79
20210124T202029.0001.fits
SecZ=1.34
Focus=-6.203
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.790 -6.163 -4.657
T123=15.0 16.5 18.1
ALT/AZ=48.3 -80.1
fwAVG=4.64
sdW=71.5
fwW=4.45
sdS=78.5
fwS=4.73
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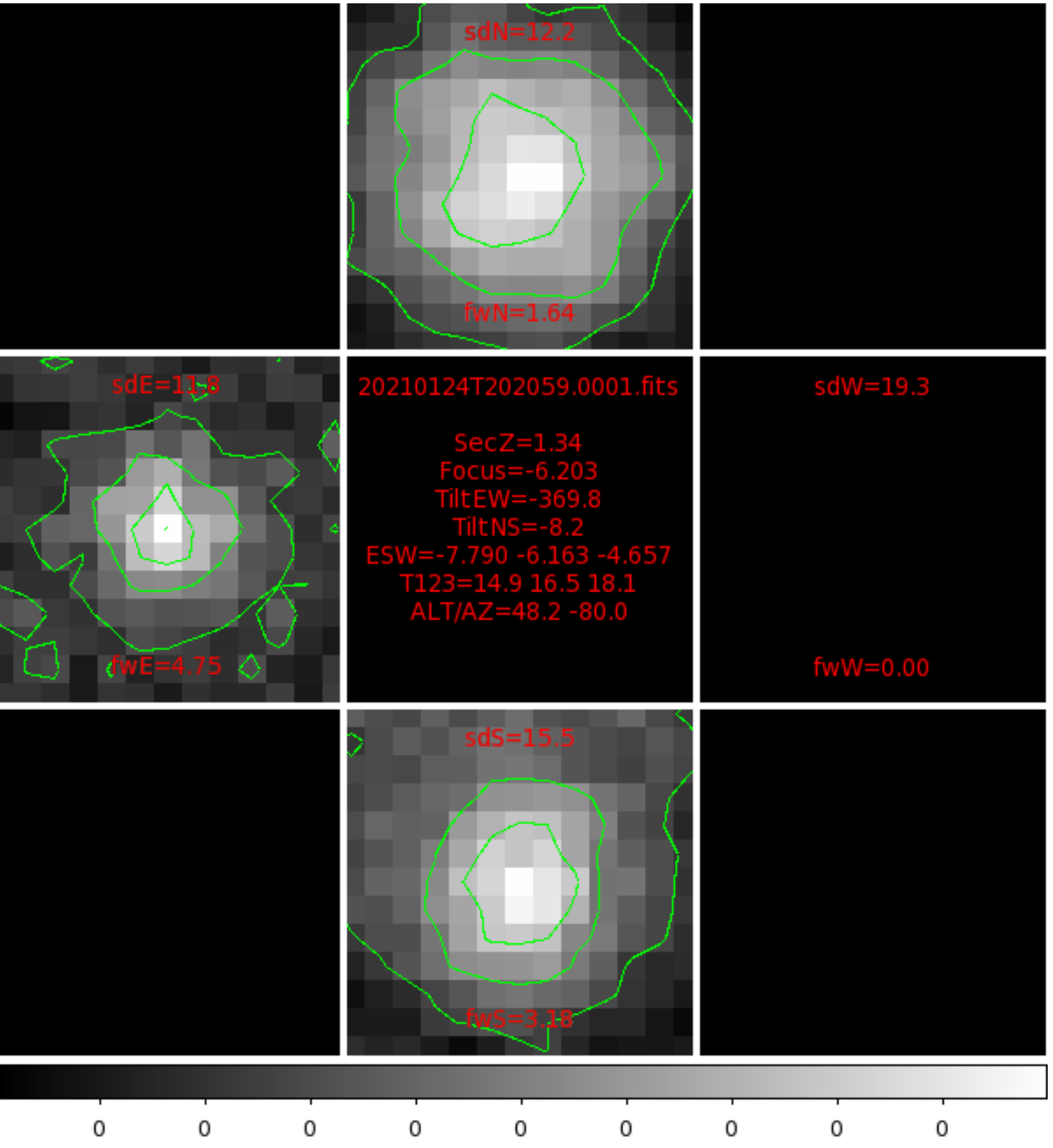
sdN=12.2
fwN=1.64
sdE=11.8
fwE=4.75
20210124T202059.0001.fits
SecZ=1.34
Focus=-6.203
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.790 -6.163 -4.657
T123=14.9 16.5 18.1
ALT/AZ=48.2 -80.0
sdW=19.3
fwW=0.00
sdS=15.5
fwS=3.18
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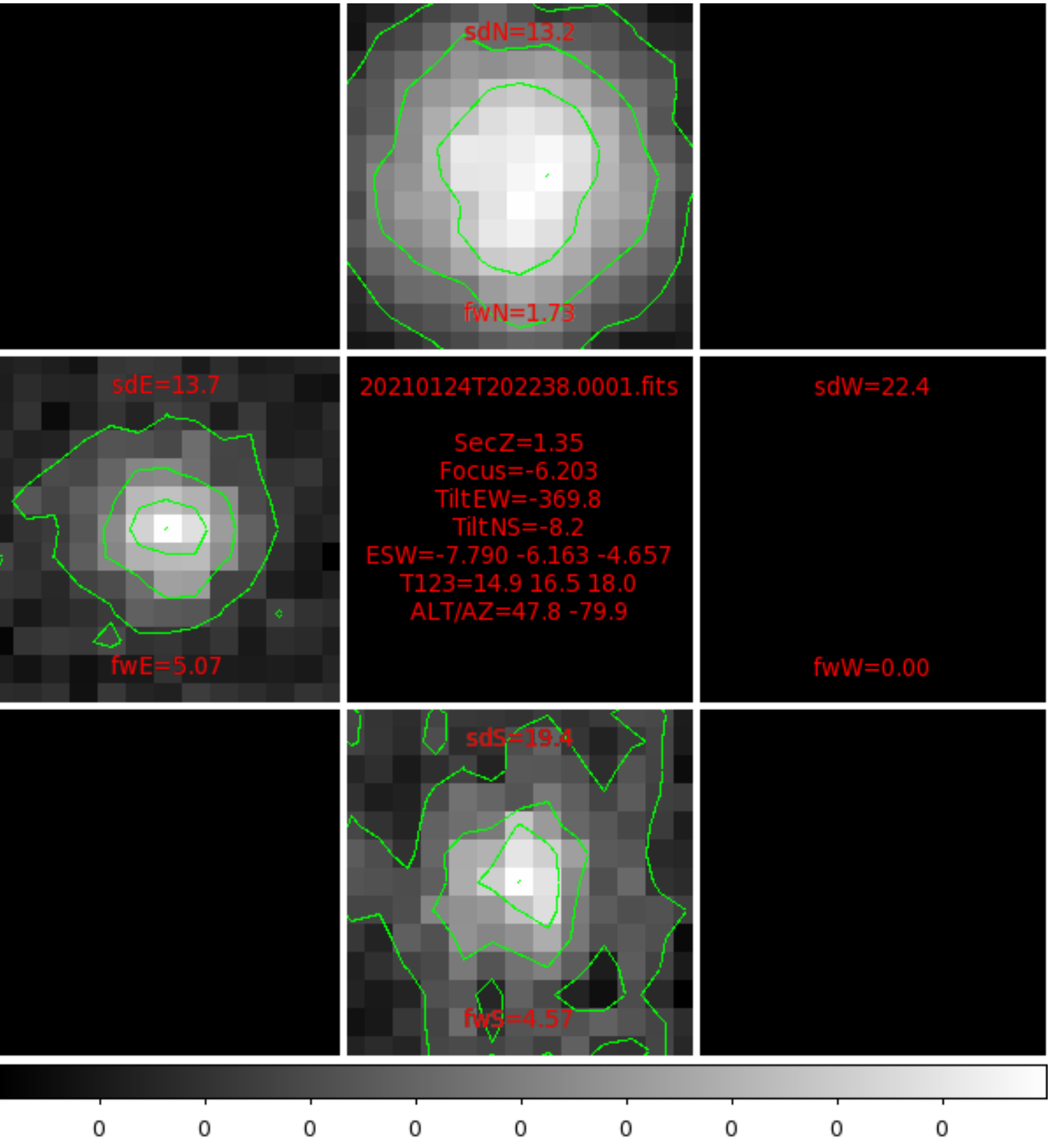
sdN=13.2
fwN=1.73
sdE=13.7
fwE=5.07
20210124T202238.0001.fits
SecZ=1.35
Focus=-6.203
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.790 -6.163 -4.657
T123=14.9 16.5 18.0
ALT/AZ=47.8 -79.9
sdW=22.4
fwW=0.00
sdS=19.4
fwS=4.57
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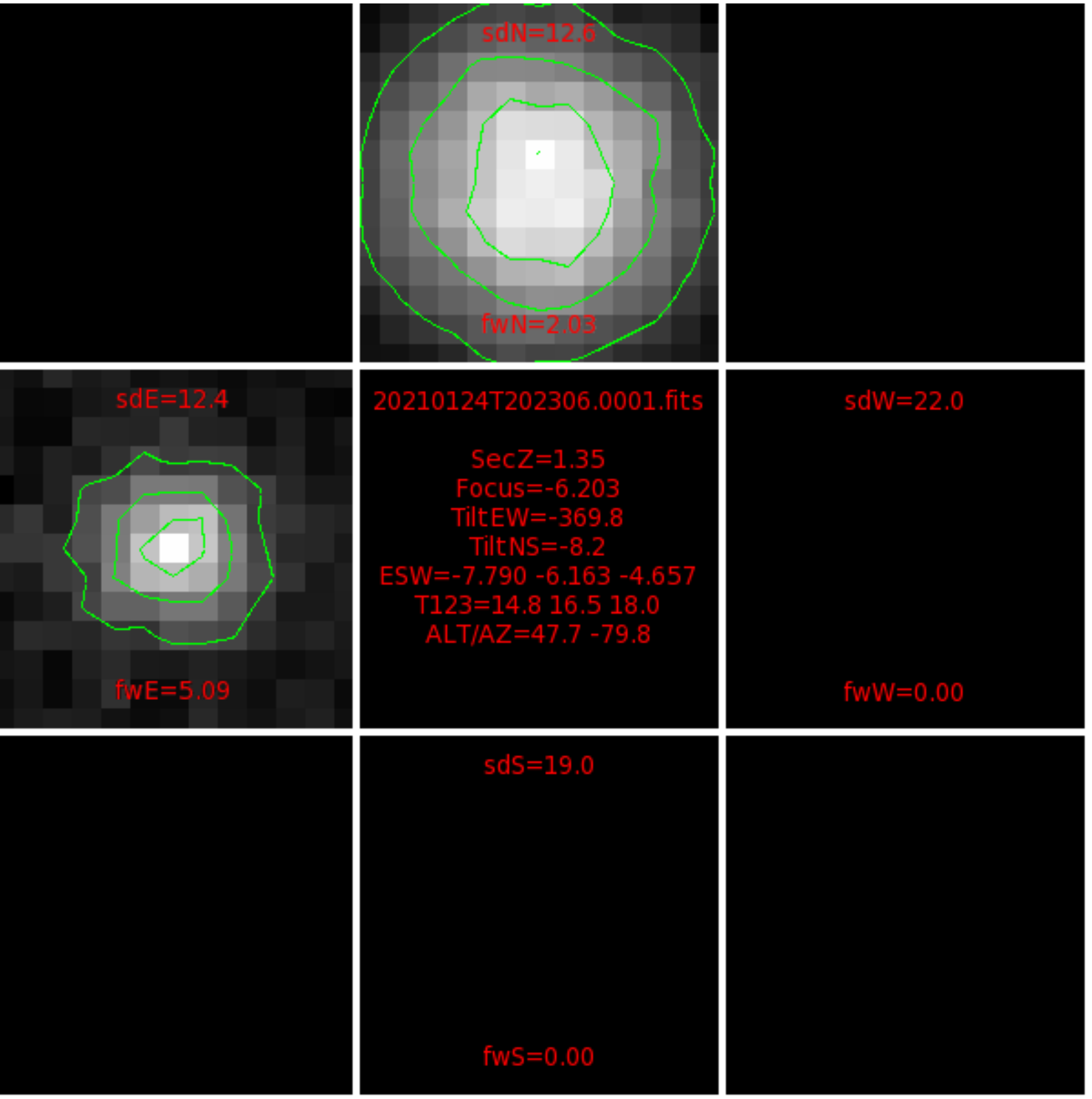
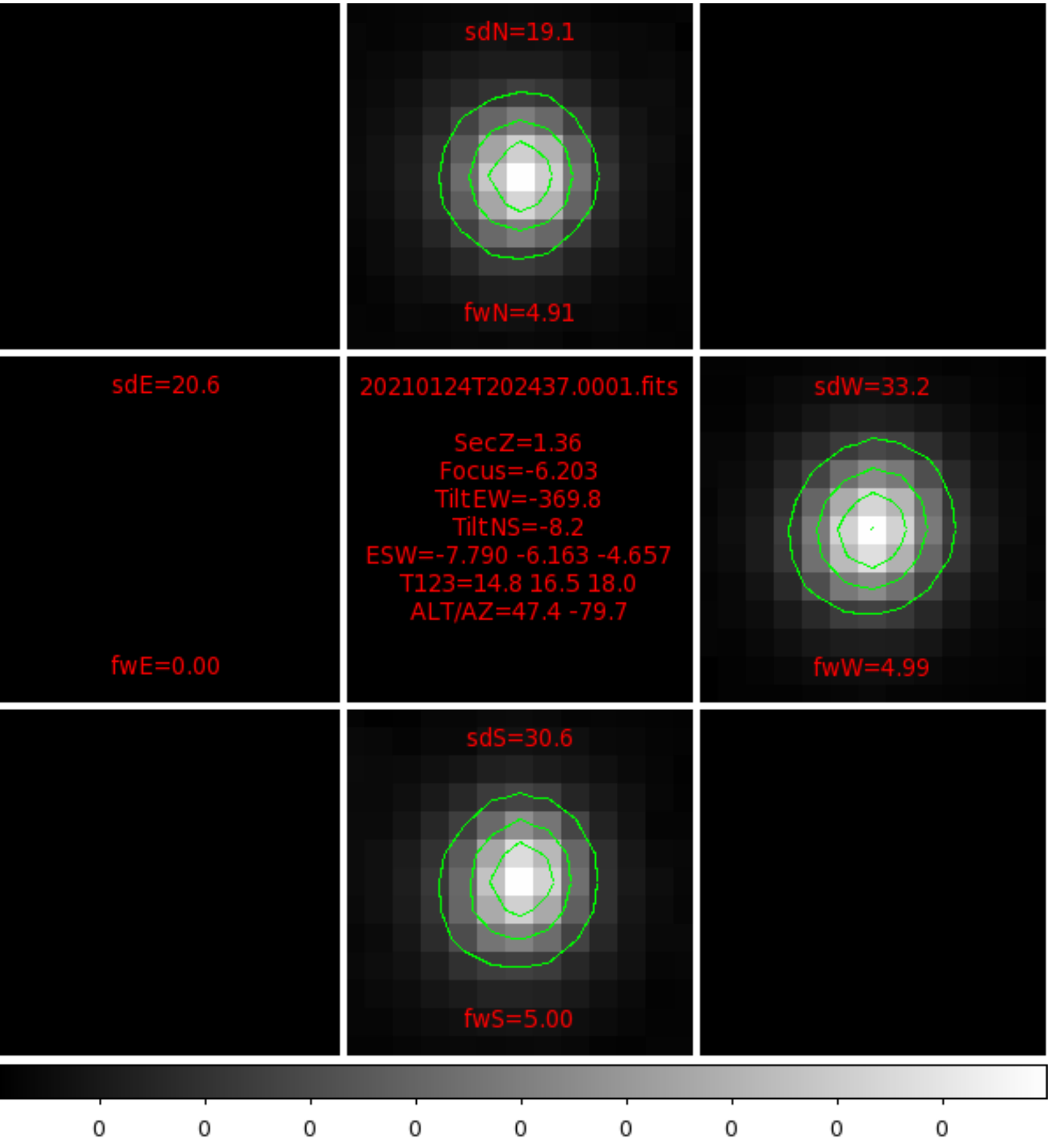

sdN=12.6
fwN=2.03
sdE=12.4
fwE=5.09
20210124T202306.0001.fits
SecZ=1.35
Focus=-6.203
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.790 -6.163 -4.657
T123=14.8 16.5 18.0
ALT/AZ=47.7 -79.8
sdW=22.0
fwW=0.00
sdS=19.0
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=19.1
fwN=4.91
sdE=20.6
fwE=0.00
20210124T202437.0001.fits
SecZ=1.36
Focus=-6.203
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.790 -6.163 -4.657
T123=14.8 16.5 18.0
ALT/AZ=47.4 -79.7
sdW=33.2
fwW=4.99
sdS=30.6
fwS=5.00
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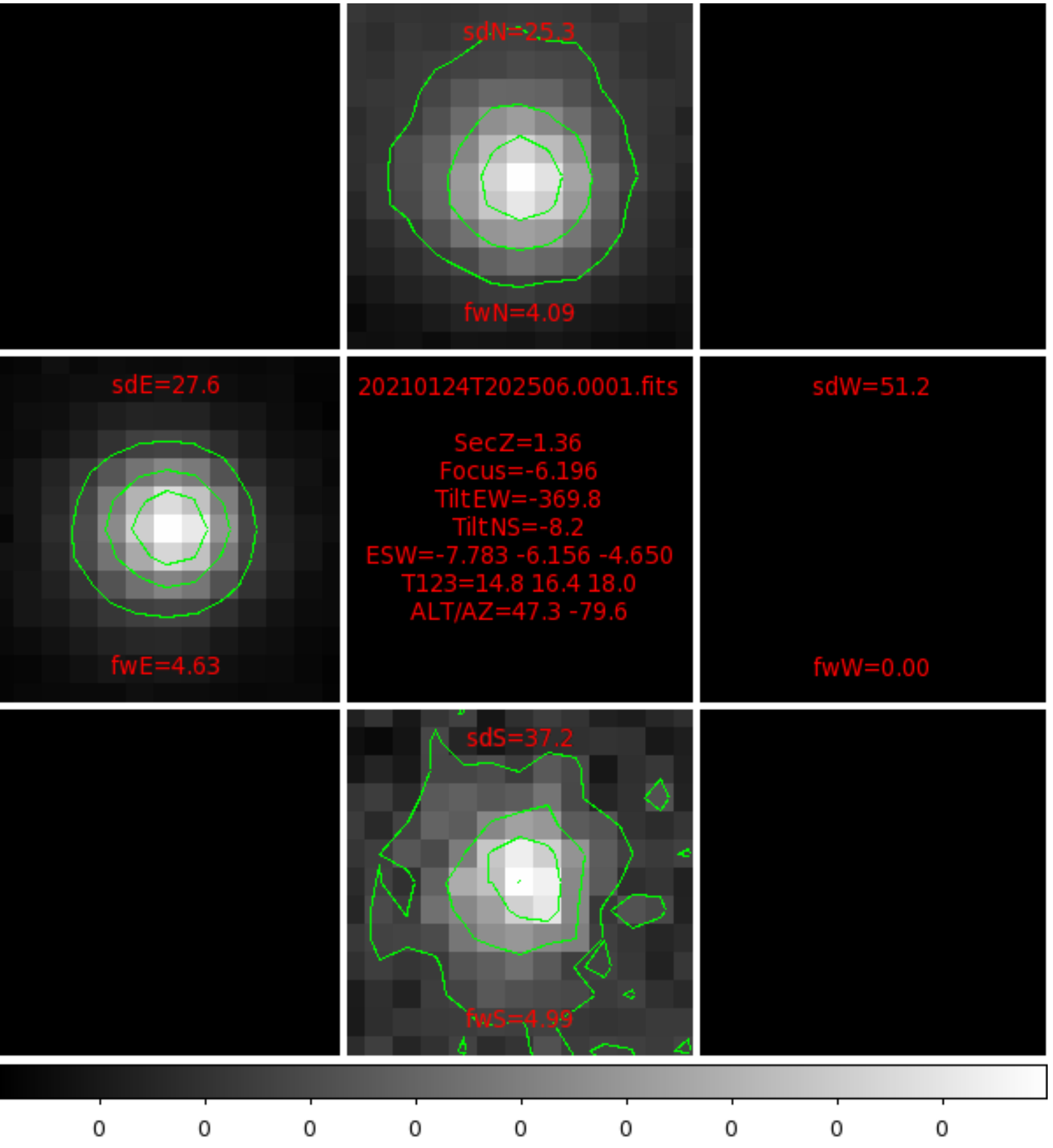
sdN=25.3
fwN=4.09
sdE=27.6
fwE=4.63
20210124T202506.0001.fits
SecZ=1.36
Focus=-6.196
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.783 -6.156 -4.650
T123=14.8 16.4 18.0
ALT/AZ=47.3 -79.6
sdW=51.2
fwW=0.00
sdS=37.2
fwS=4.99
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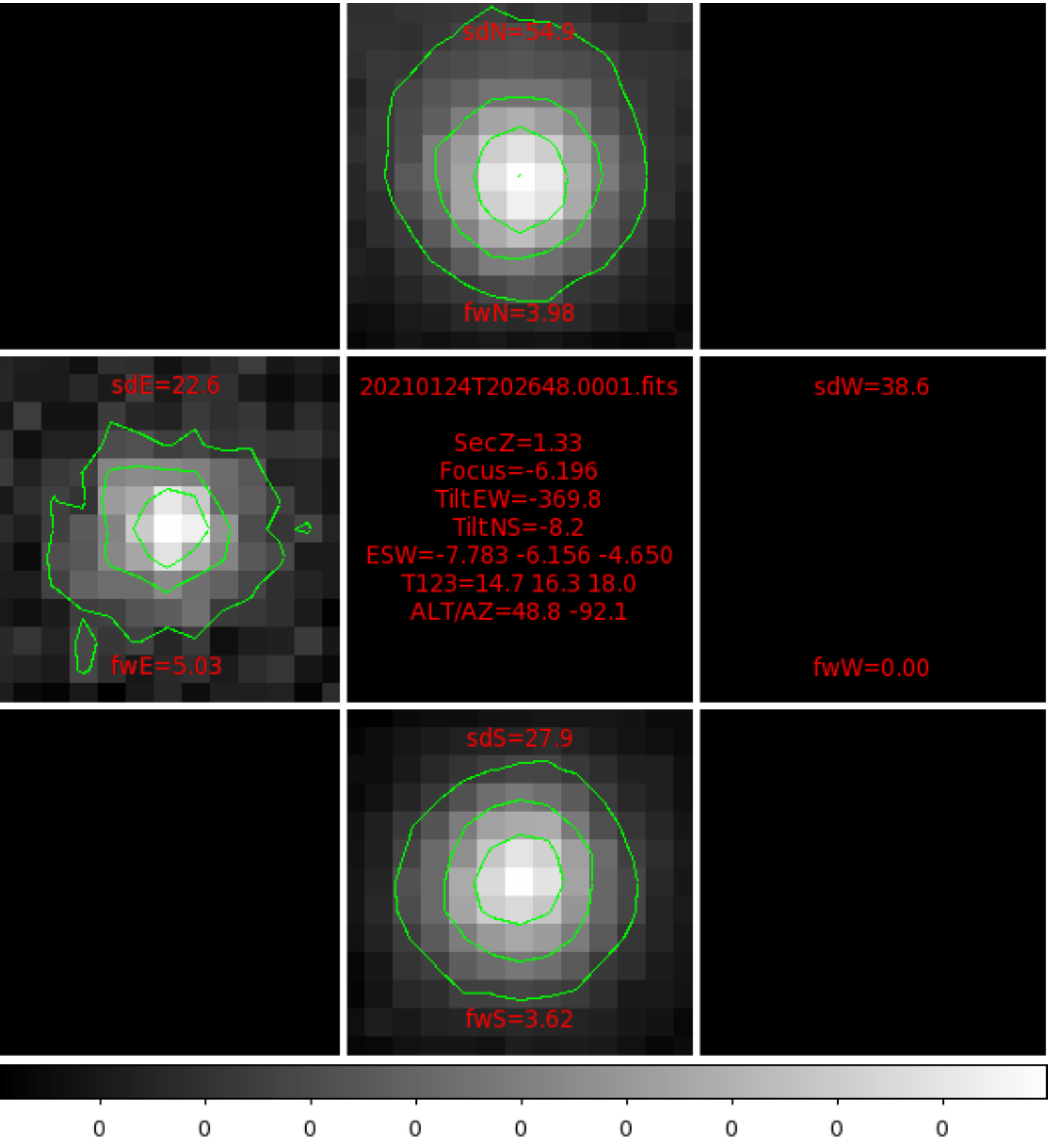
sdN=54.9
fwN=3.98
sdE=22.6
fwE=5.03
20210124T202648.0001.fits
SecZ=1.33
Focus=-6.196
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.783 -6.156 -4.650
T123=14.7 16.3 18.0
ALT/AZ=48.8 -92.1
sdW=38.6
fwW=0.00
sdS=27.9
fwS=3.62
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sdN=130.8
fwN=4.92
sdE=26.6
fwE=0.00
20210124T202717.0001.fits
SecZ=1.33
Focus=-6.196
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.783 -6.156 -4.650
T123=14.7 16.4 18.0
ALT/AZ=48.7 -92.1
sdW=11.6
fwW=0.00
sdS=11.7
fwS=0.00
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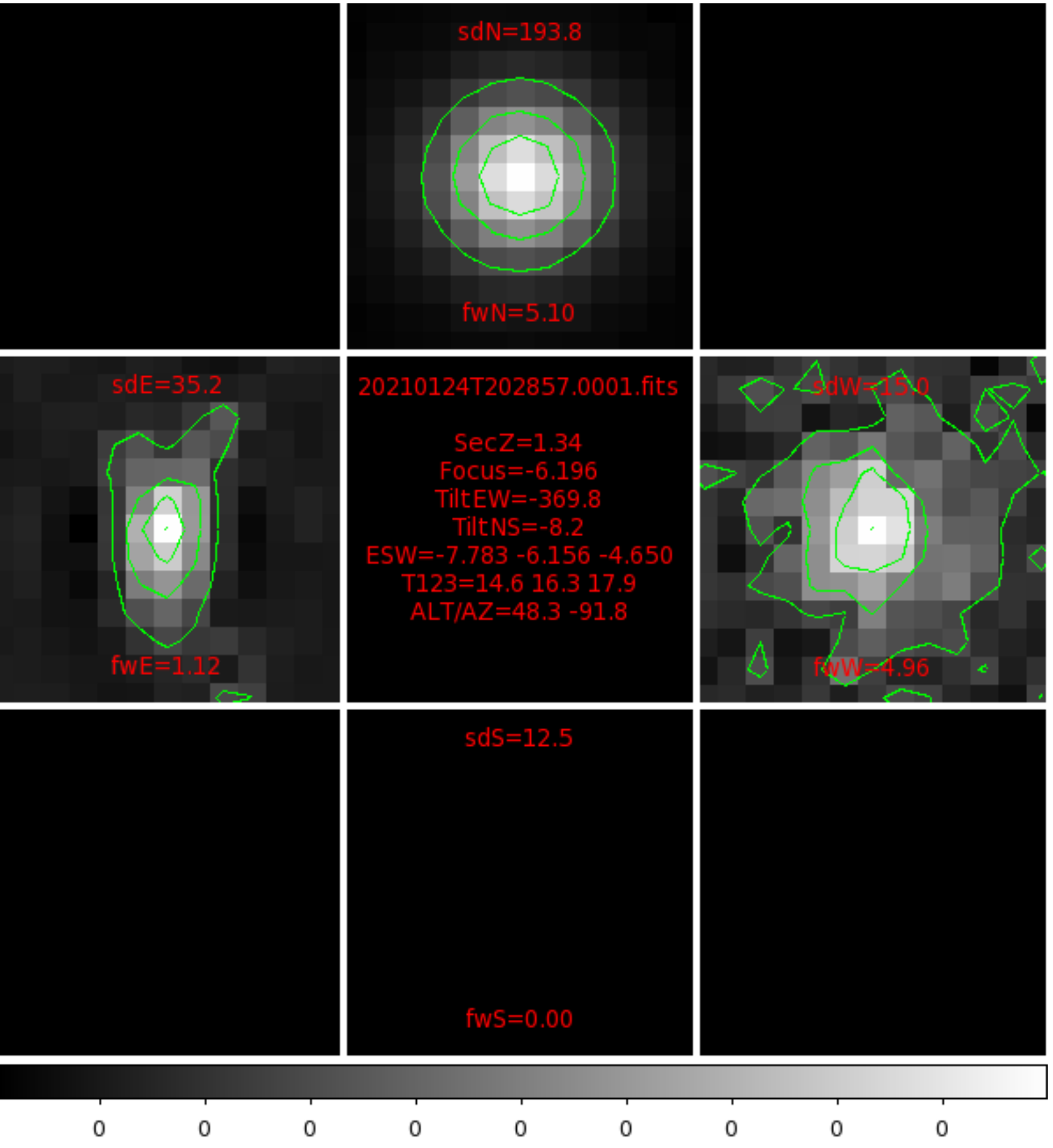
sdN=193.8
fwN=5.10
sdE=35.2
fwE=1.12
20210124T202857.0001.fits
SecZ=1.34
Focus=-6.196
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.783 -6.156 -4.650
T123=14.6 16.3 17.9
ALT/AZ=48.3 -91.8
sdW=15.0
fwW=4.96
sdS=12.5
fwS=0.00
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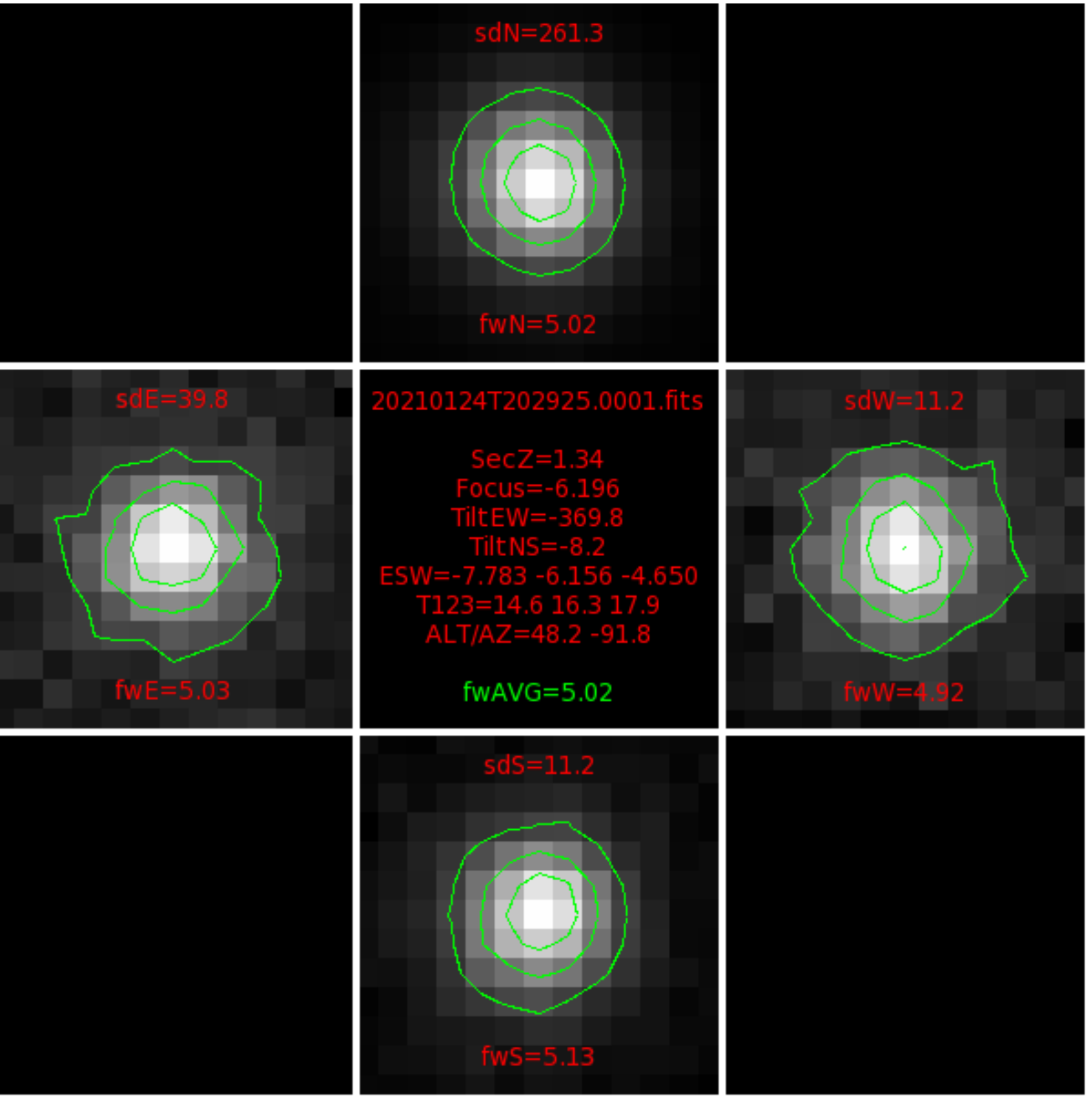
sdN=261.3
fwN=5.02
sdE=39.8
fwE=5.03
20210124T202925.0001.fits
SecZ=1.34
Focus=-6.196
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.783 -6.156 -4.650
T123=14.6 16.3 17.9
ALT/AZ=48.2 -91.8
fwAVG=5.02
sdW=11.2
fwW=4.92
sdS=11.2
fwS=5.13
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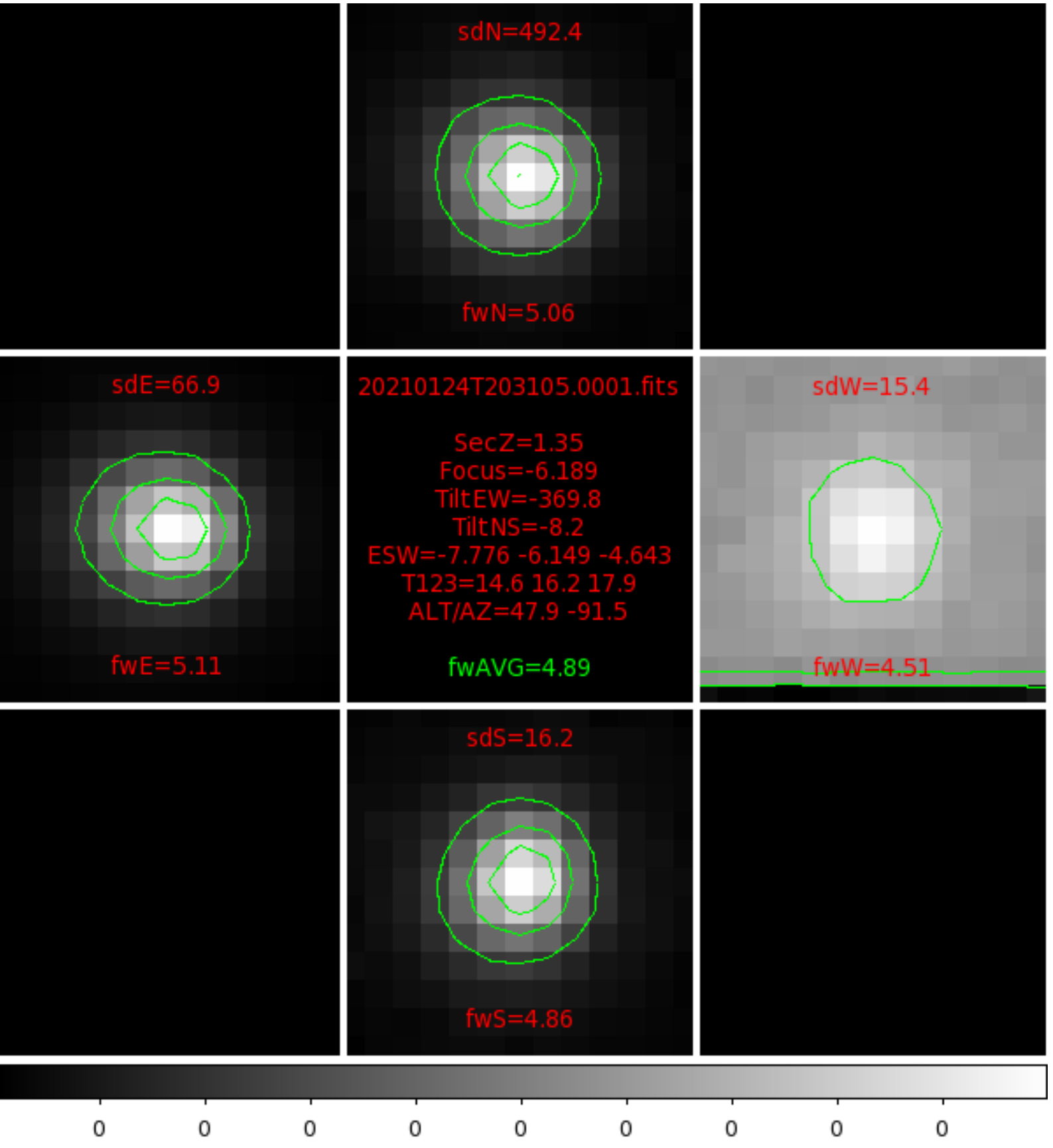
sdN=492.4
fwN=5.06
sdE=66.9
fwE=5.11
20210124T203105.0001.fits
SecZ=1.35
Focus=-6.189
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.776 -6.149 -4.643
T123=14.6 16.2 17.9
ALT/AZ=47.9 -91.5
fwAVG=4.89
sdW=15.4
fwW=4.51
sdS=16.2
fwS=4.86
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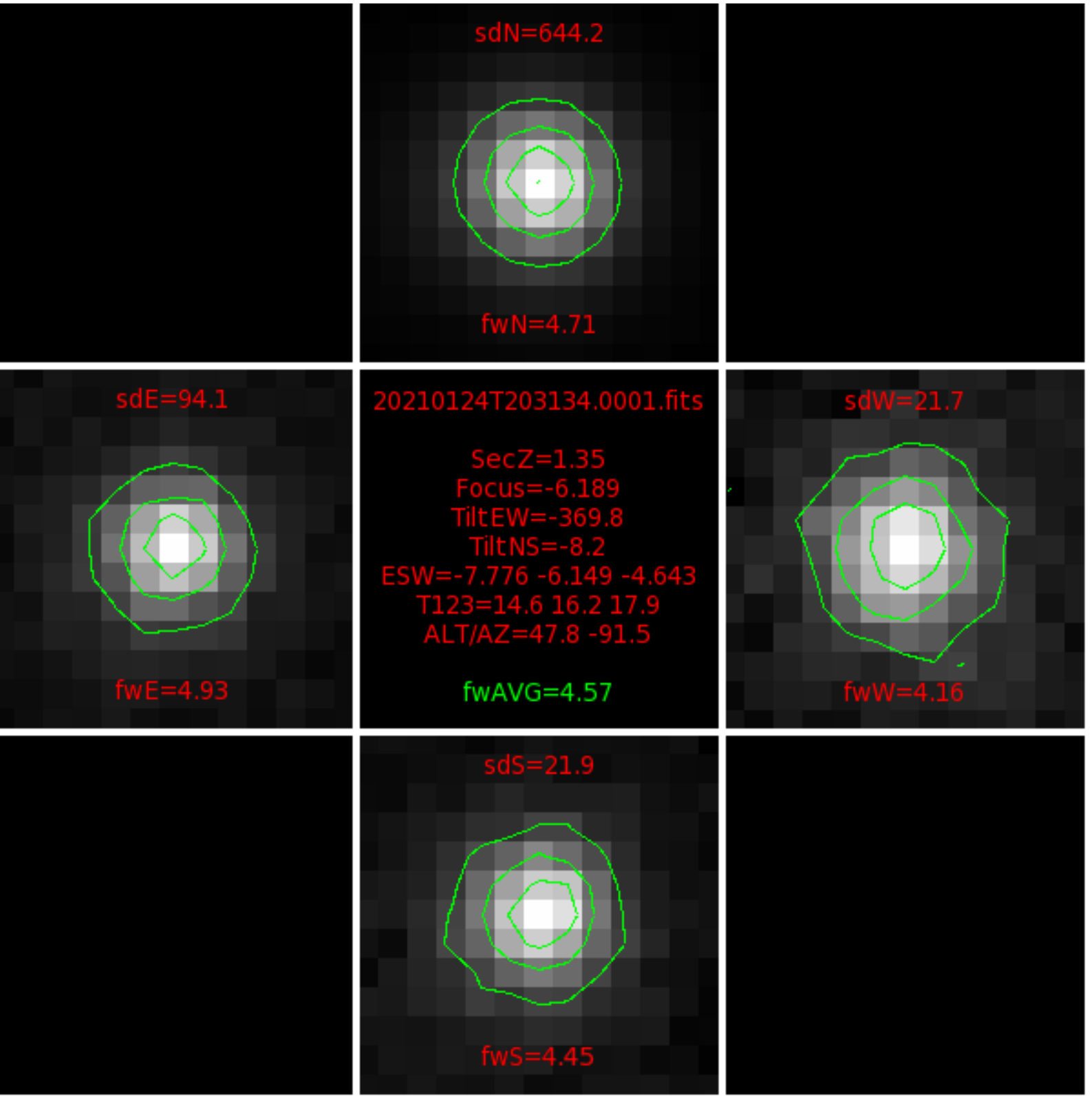
sdN=644.2
fwN=4.71
sdE=94.1
fwE=4.93
20210124T203134.0001.fits
SecZ=1.35
Focus=-6.189
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.776 -6.149 -4.643
T123=14.6 16.2 17.9
ALT/AZ=47.8 -91.5
fwAVG=4.57
sdW=21.7
fwW=4.16
sdS=21.9
fwS=4.45
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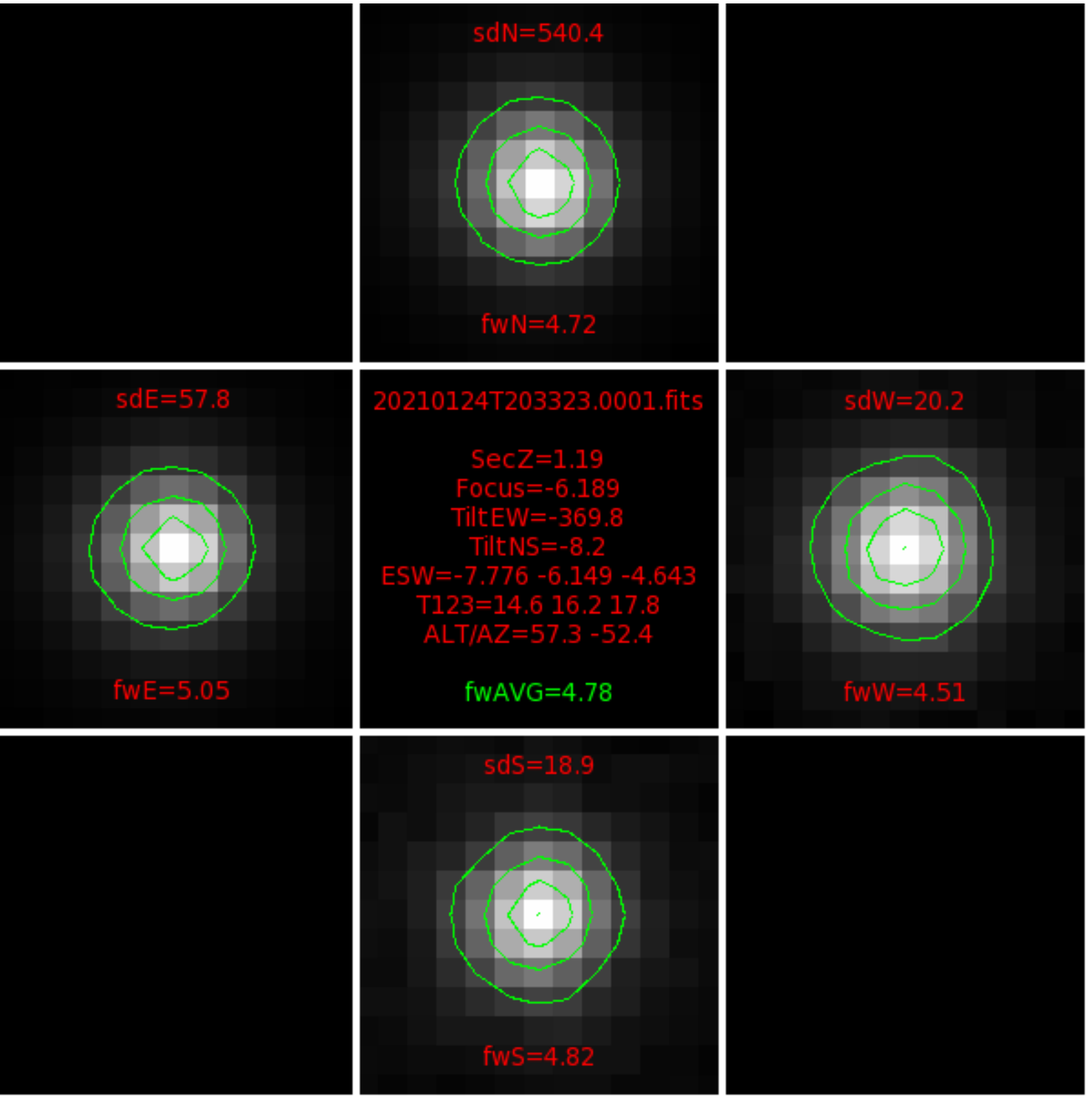
sdN=540.4
fwN=4.72
sdE=57.8
fwE=5.05
20210124T203323.0001.fits
SecZ=1.19
Focus=-6.189
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.776 -6.149 -4.643
T123=14.6 16.2 17.8
ALT/AZ=57.3 -52.4
fwAVG=4.78
sdW=20.2
fwW=4.51
sdS=18.9
fwS=4.82
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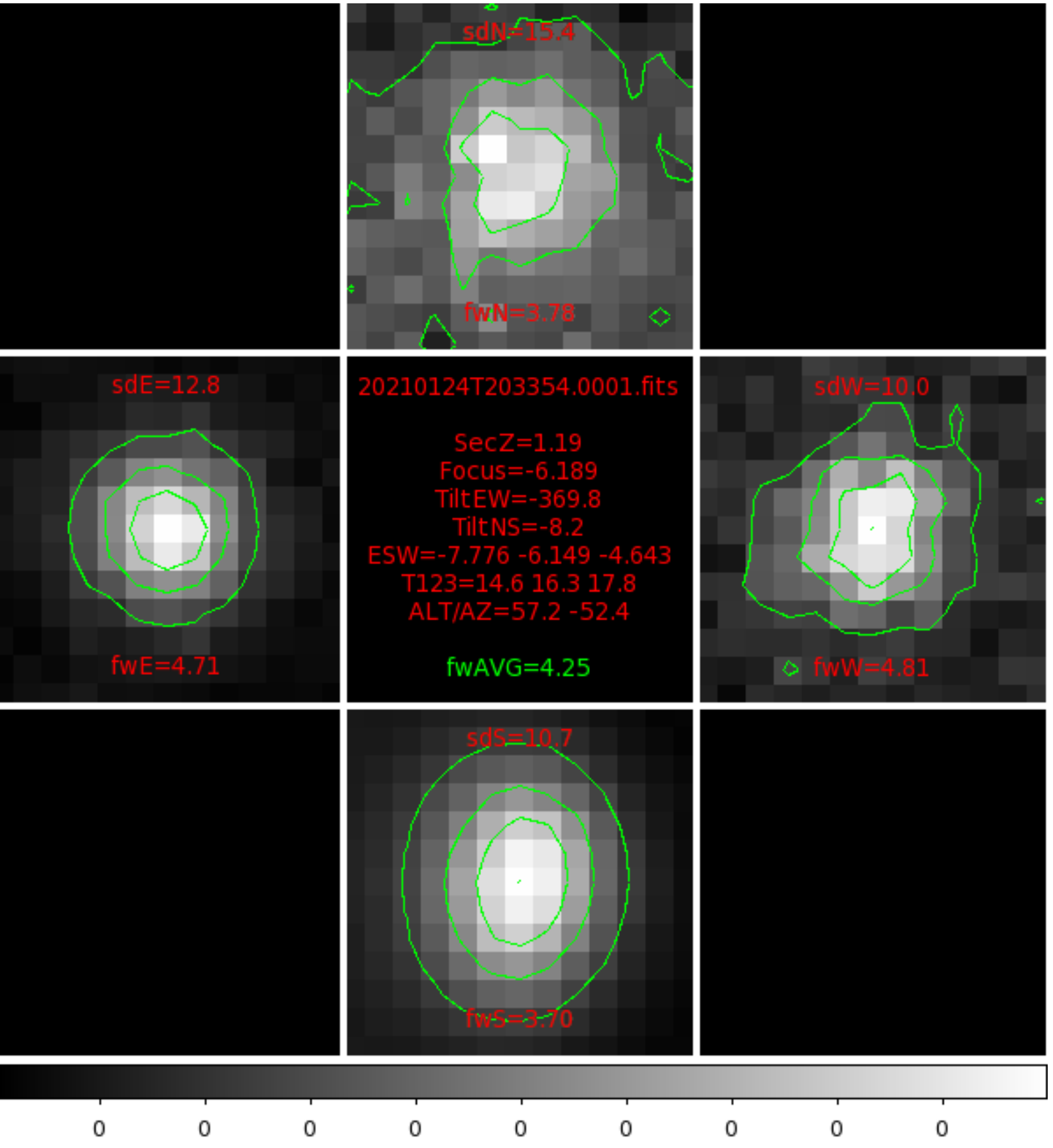
sdN=15.4
fwN=3.78
sdE=12.8
fwE=4.71
20210124T203354.0001.fits
SecZ=1.19
Focus=-6.189
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.776 -6.149 -4.643
T123=14.6 16.3 17.8
ALT/AZ=57.2 -52.4
fwAVG=4.25
sdW=10.0
fwW=4.81
sdS=10.7
fwS=3.70
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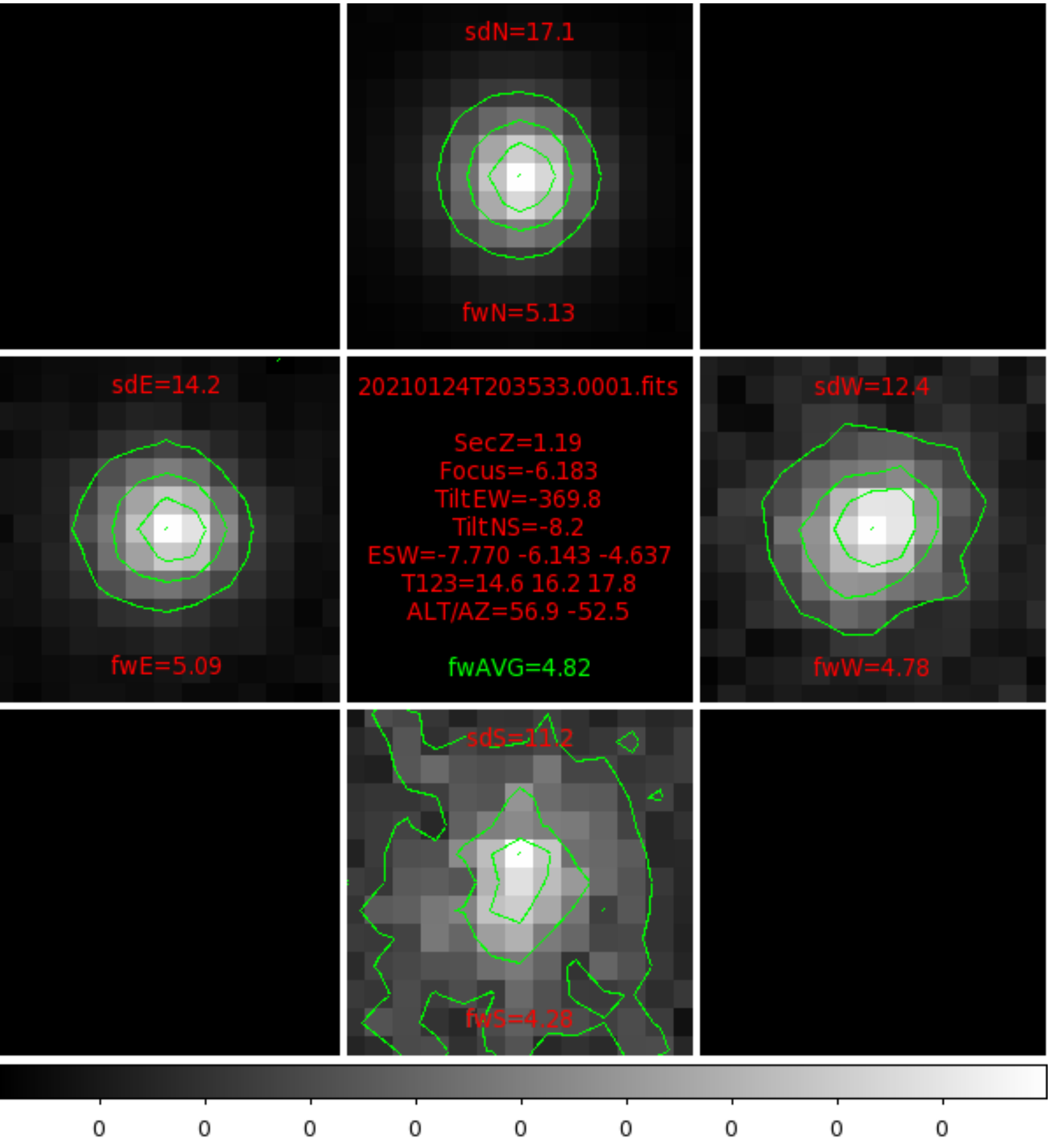
sdN=17.1
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sdE=14.2
fwE=5.09
20210124T203533.0001.fits
SecZ=1.19
Focus=-6.183
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.770 -6.143 -4.637
T123=14.6 16.2 17.8
ALT/AZ=56.9 -52.5
fwAVG=4.82
sdW=12.4
fwW=4.78
sdS=11.2
fwS=4.28
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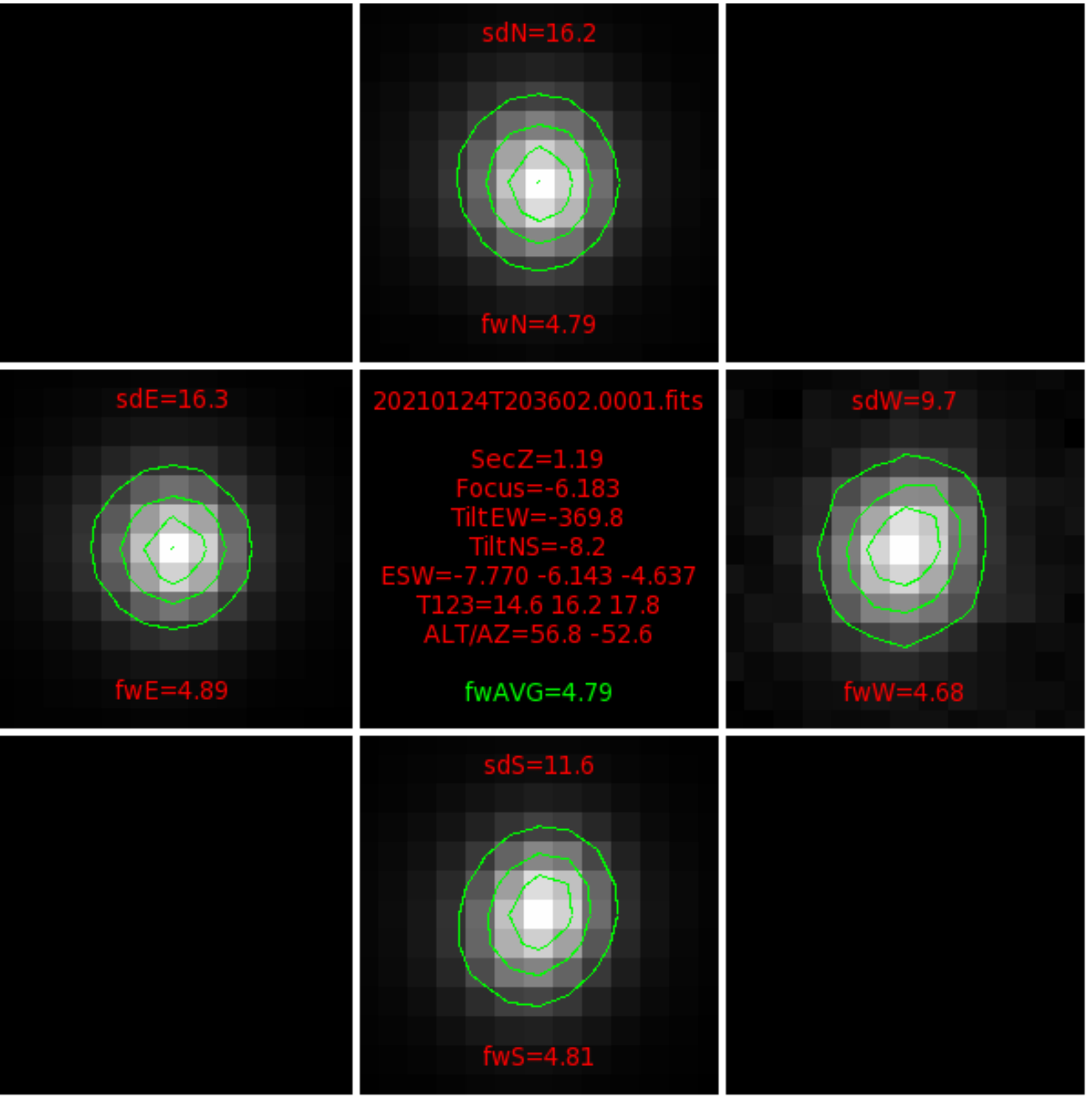
sdN=16.2
fwN=4.79
sdE=16.3
fwE=4.89
20210124T203602.0001.fits
SecZ=1.19
Focus=-6.183
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.770 -6.143 -4.637
T123=14.6 16.2 17.8
ALT/AZ=56.8 -52.6
fwAVG=4.79
sdW=9.7
fwW=4.68
sdS=11.6
fwS=4.81
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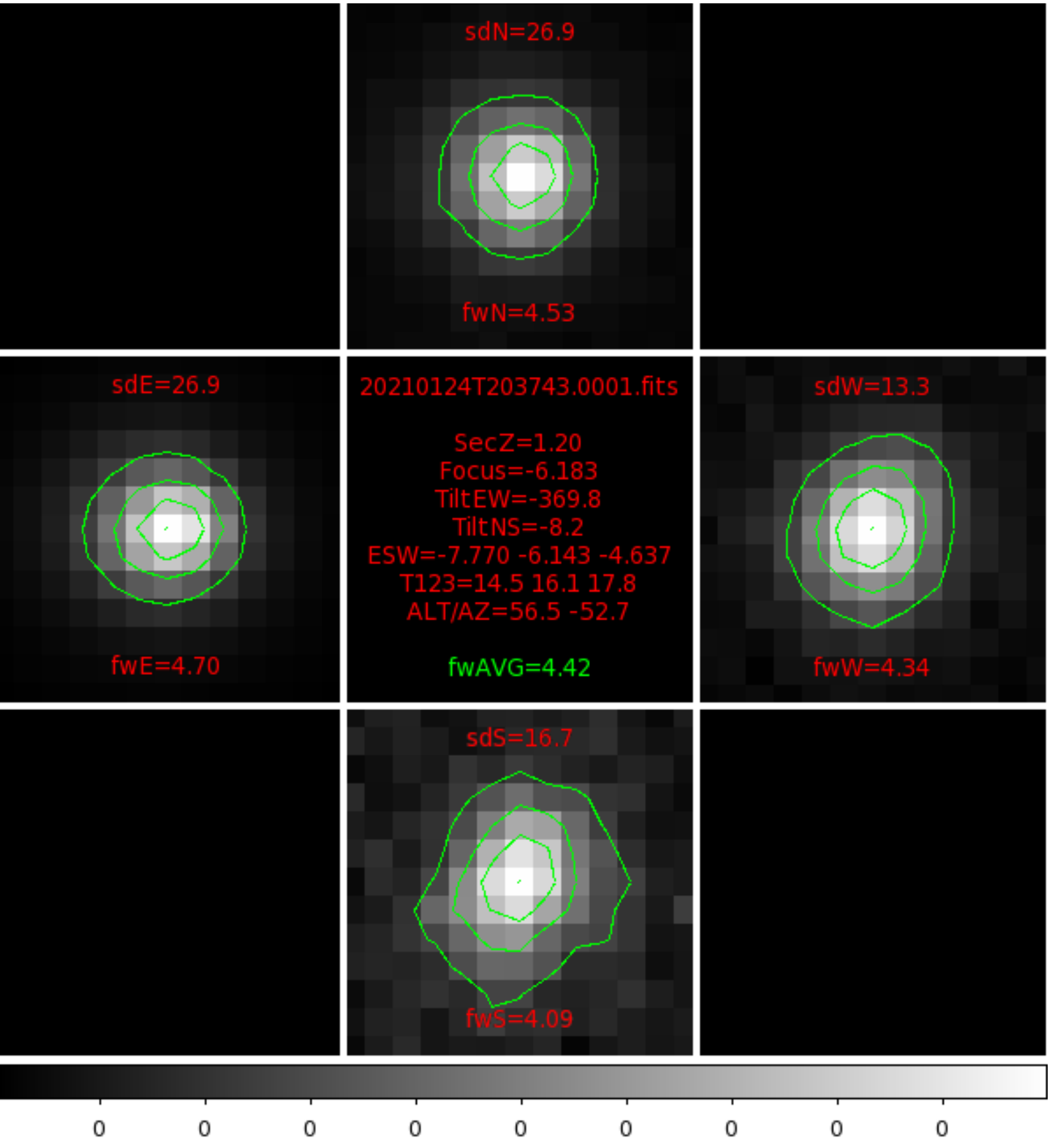
sdN=26.9
fwN=4.53
sdE=26.9
fwE=4.70
20210124T203743.0001.fits
SecZ=1.20
Focus=-6.183
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.770 -6.143 -4.637
T123=14.5 16.1 17.8
ALT/AZ=56.5 -52.7
fwAVG=4.42
sdW=13.3
fwW=4.34
sdS=16.7
fwS=4.09
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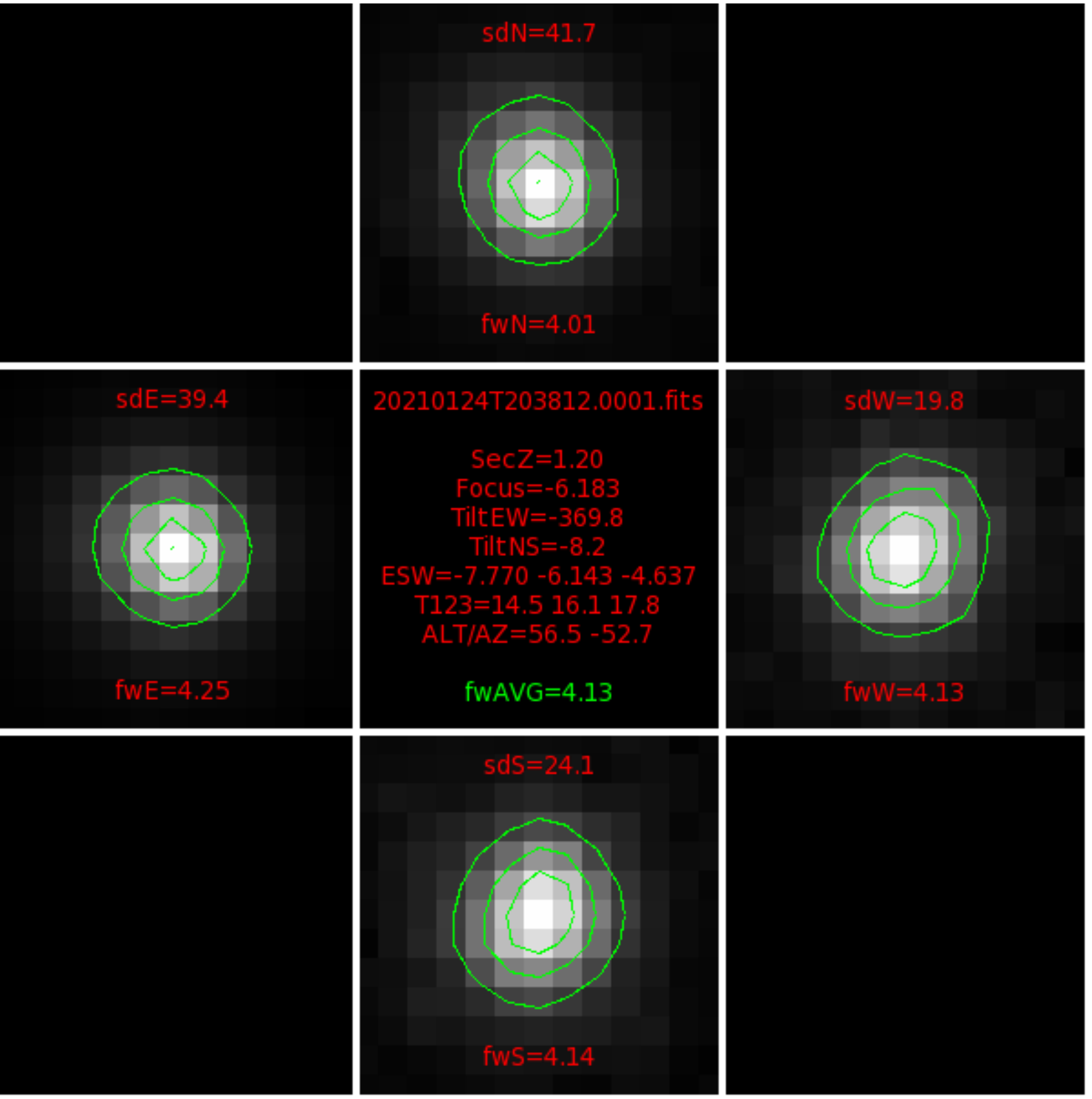
sdN=41.7
fwN=4.01
sdE=39.4
fwE=4.25
20210124T203812.0001.fits
SecZ=1.20
Focus=-6.183
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.770 -6.143 -4.637
T123=14.5 16.1 17.8
ALT/AZ=56.5 -52.7
fwAVG=4.13
sdW=19.8
fwW=4.13
sdS=24.1
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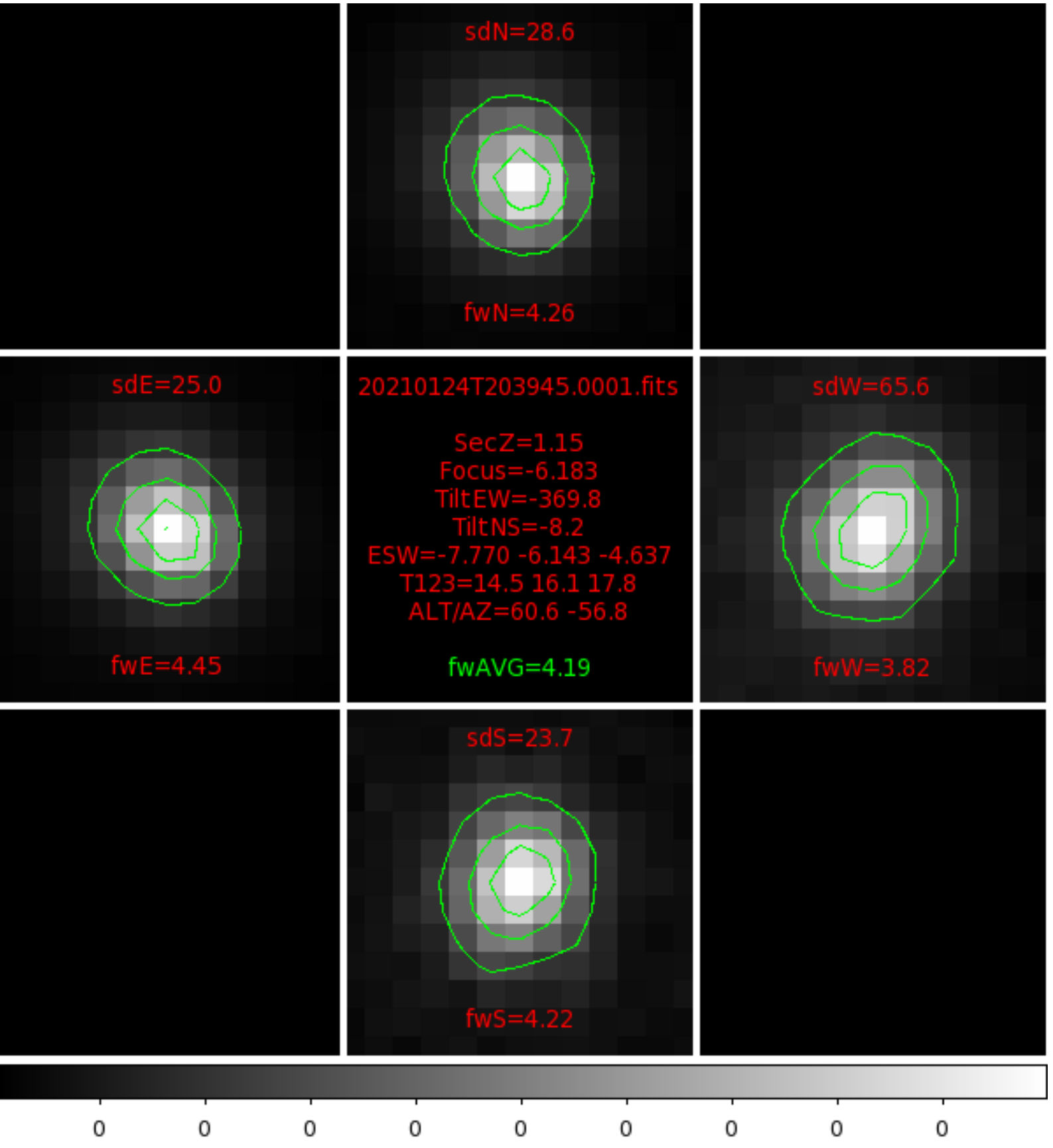
sdN=28.6
fwN=4.26
sdE=25.0
fwE=4.45
20210124T203945.0001.fits
SecZ=1.15
Focus=-6.183
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.770 -6.143 -4.637
T123=14.5 16.1 17.8
ALT/AZ=60.6 -56.8
fwAVG=4.19
sdW=65.6
fwW=3.82
sdS=23.7
fwS=4.22
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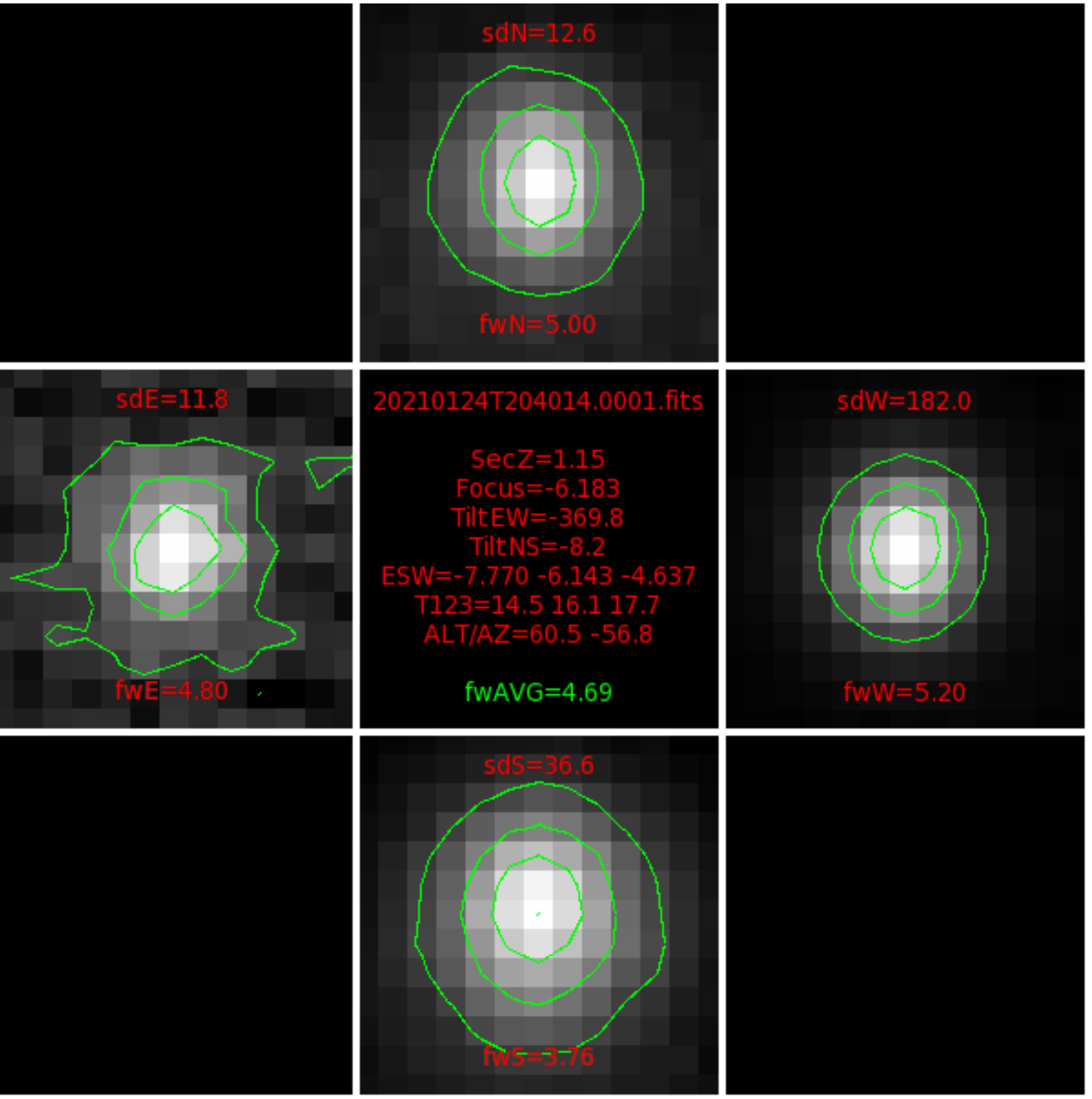
sdN=12.6
fwN=5.00
sdE=11.8
fwE=4.80
20210124T204014.0001.fits
SecZ=1.15
Focus=-6.183
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.770 -6.143 -4.637
T123=14.5 16.1 17.7
ALT/AZ=60.5 -56.8
fwAVG=4.69
sdW=182.0
fwW=5.20
sdS=36.6
fwS=3.76
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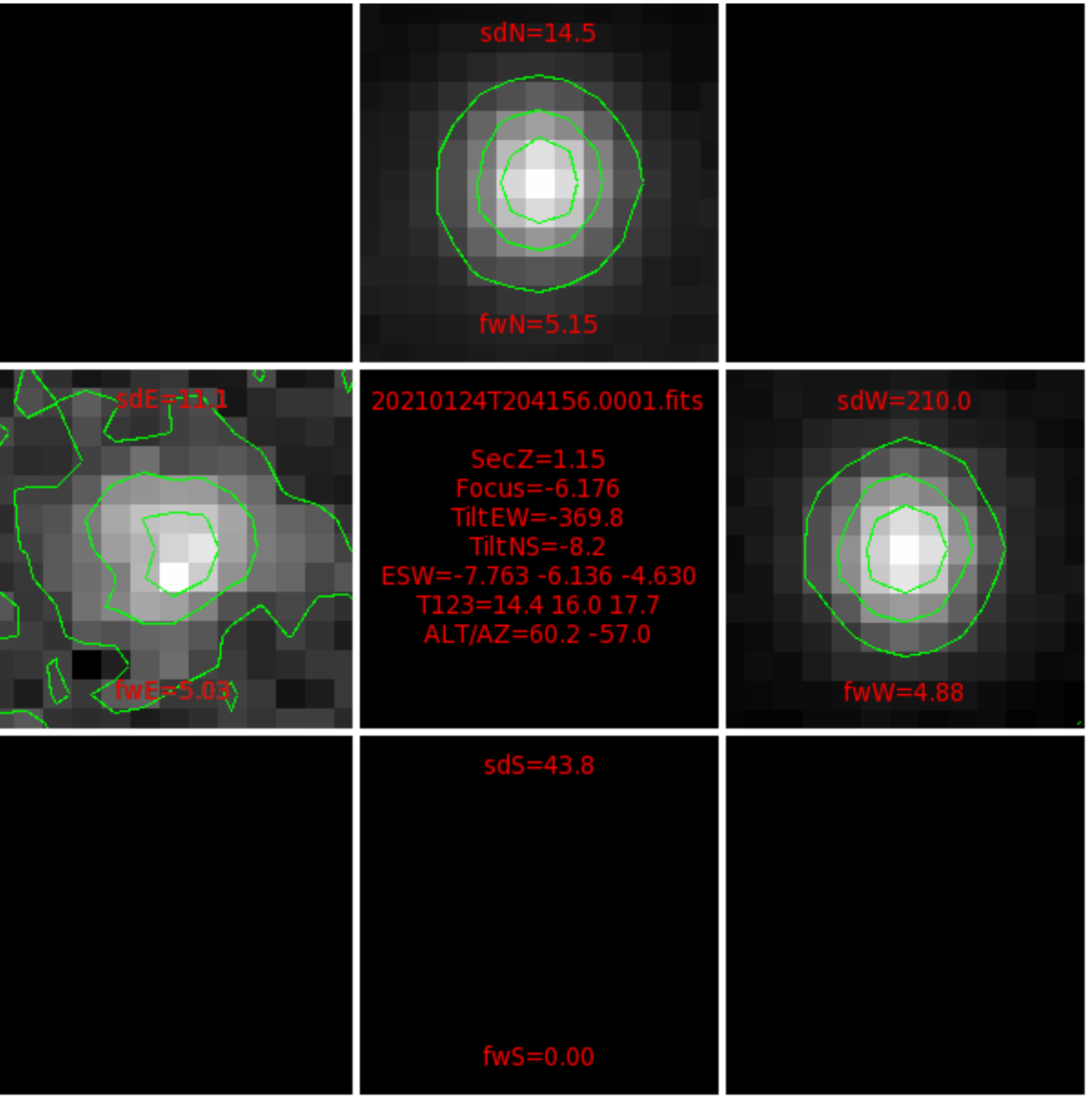
sdN=14.5
fwN=5.15
sdE=11.1
fwE=5.03
20210124T204156.0001.fits
SecZ=1.15
Focus=-6.176
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.763 -6.136 -4.630
T123=14.4 16.0 17.7
ALT/AZ=60.2 -57.0
sdW=210.0
fwW=4.88
sdS=43.8
fwS=0.00
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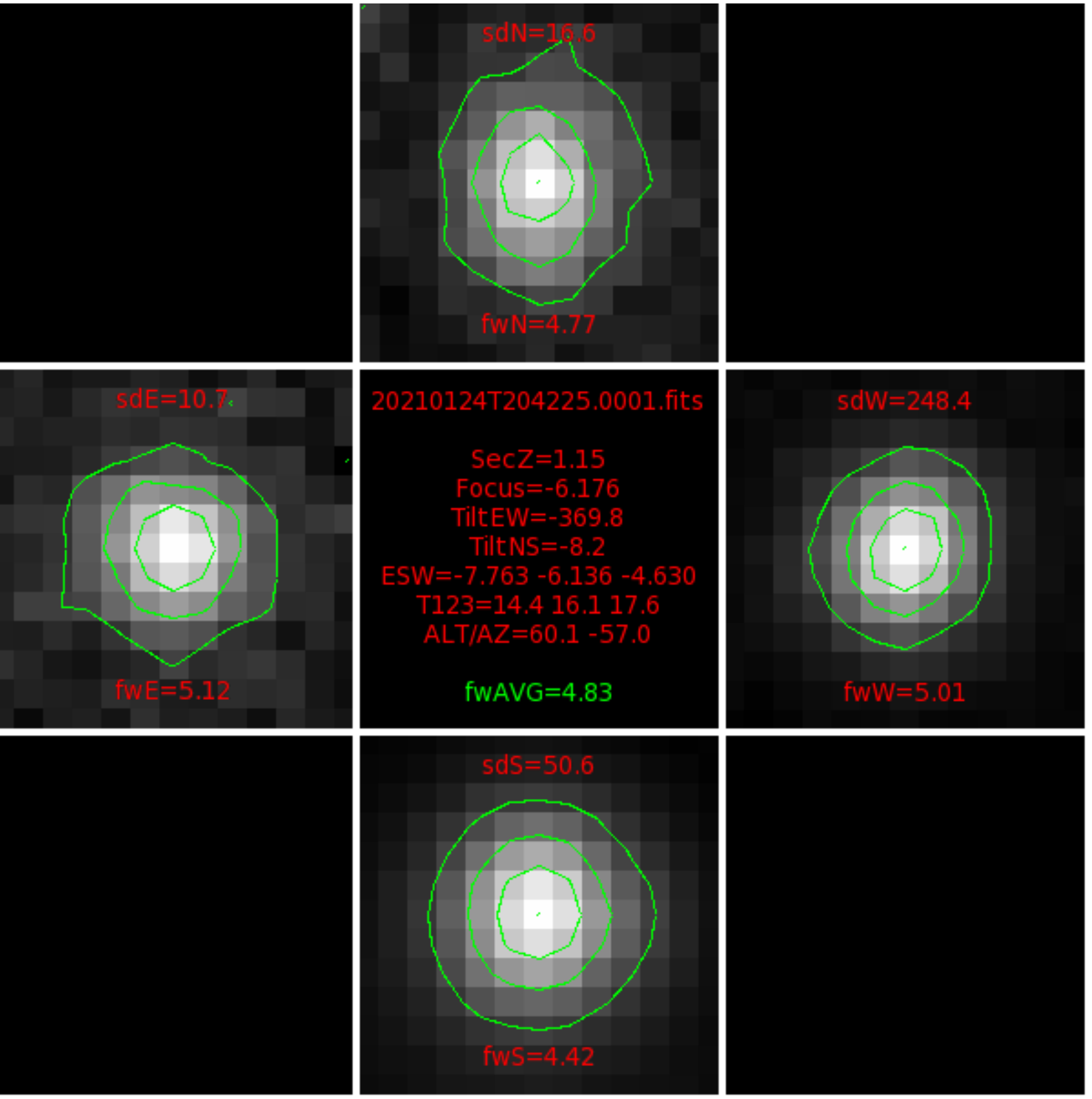
sdN=16.6
fwN=4.77
sdE=10.7
fwE=5.12
20210124T204225.0001.fits
SecZ=1.15
Focus=-6.176
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.763 -6.136 -4.630
T123=14.4 16.1 17.6
ALT/AZ=60.1 -57.0
fwAVG=4.83
sdW=248.4
fwW=5.01
sdS=50.6
fwS=4.42
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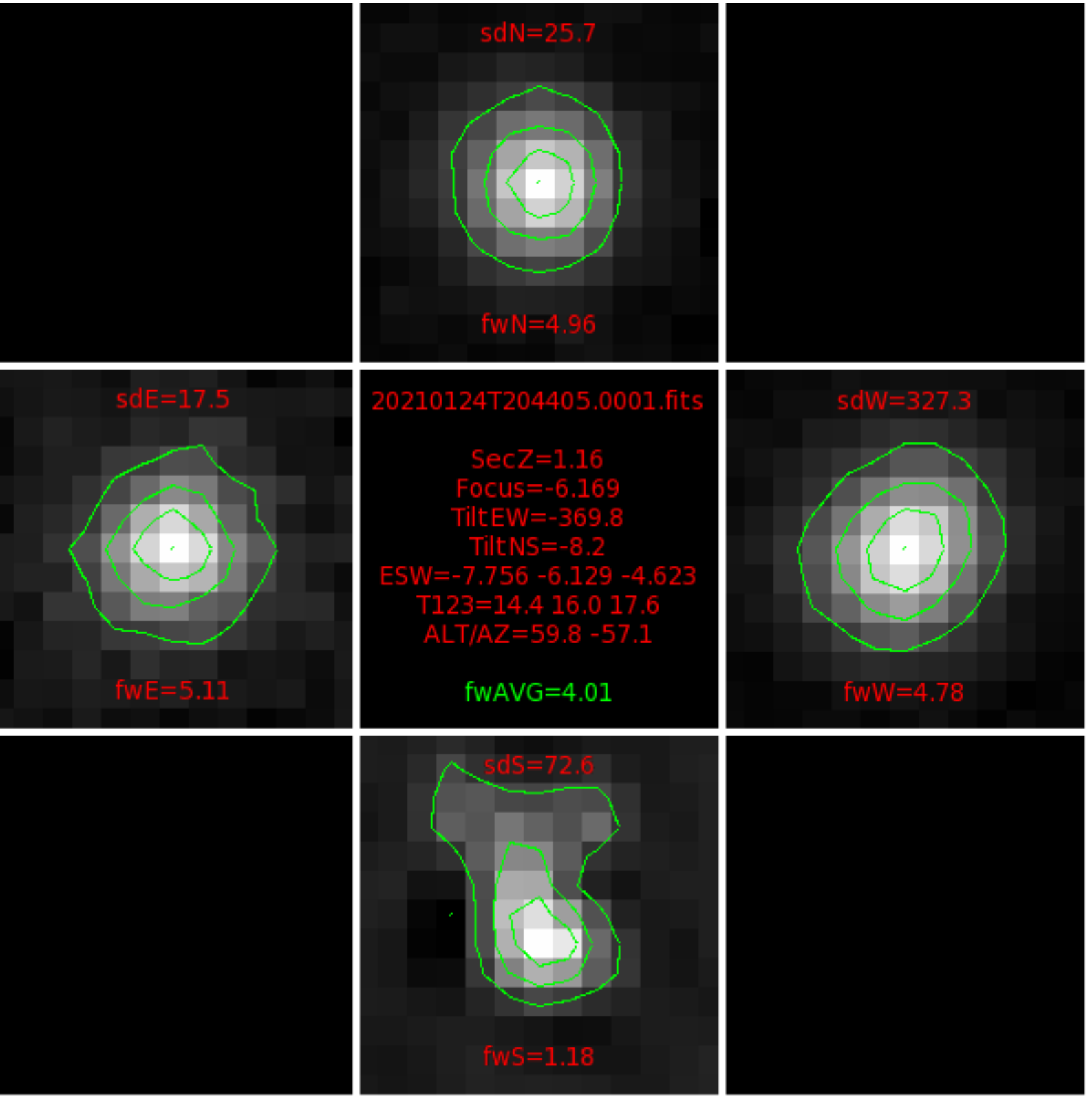
sdN=25.7
fwN=4.96
sdE=17.5
fwE=5.11
20210124T204405.0001.fits
SecZ=1.16
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=14.4 16.0 17.6
ALT/AZ=59.8 -57.1
fwAVG=4.01
sdW=327.3
fwW=4.78
sdS=72.6
fwS=1.18
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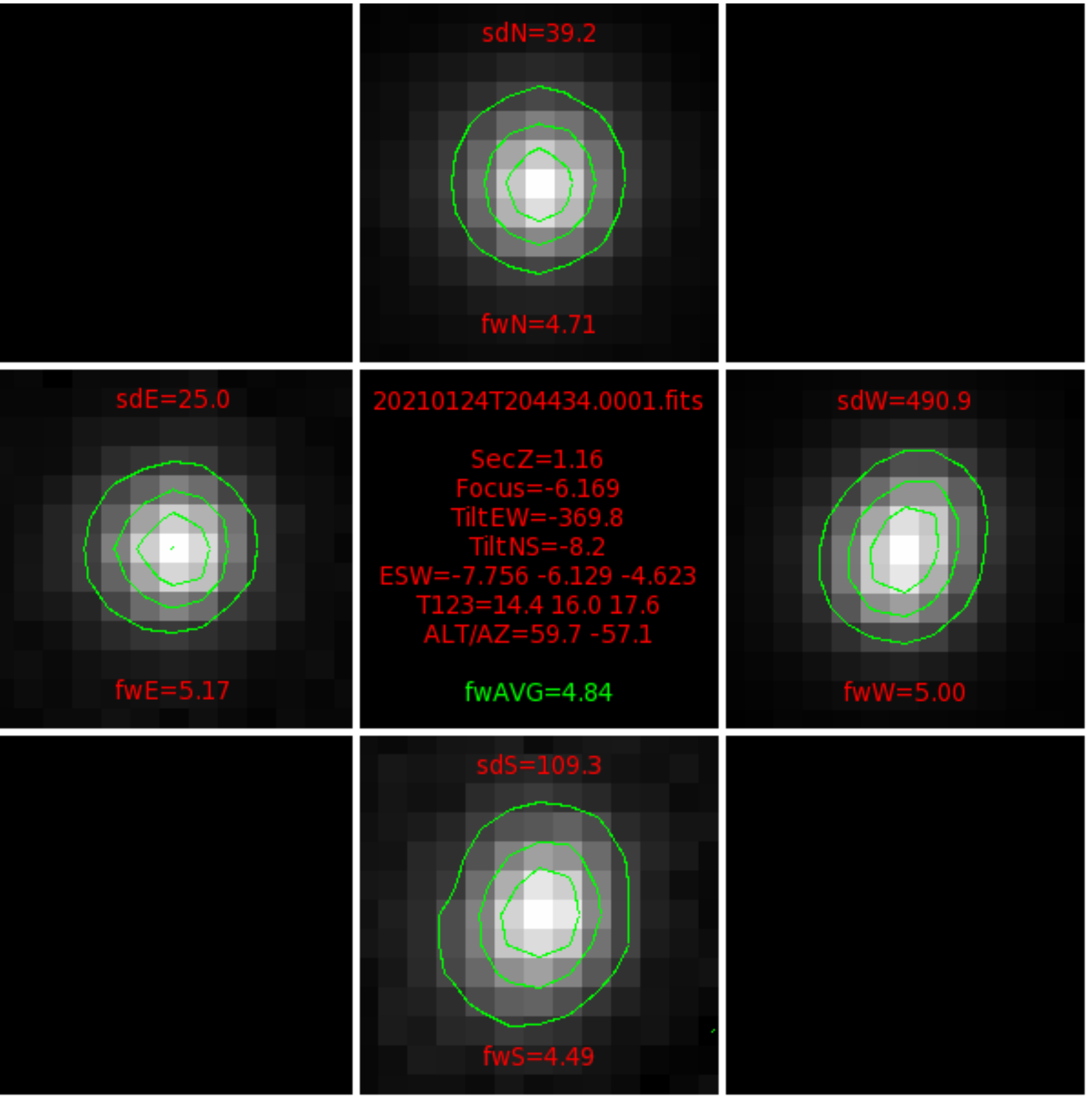
sdN=39.2
fwN=4.71
sdE=25.0
fwE=5.17
20210124T204434.0001.fits
SecZ=1.16
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=14.4 16.0 17.6
ALT/AZ=59.7 -57.1
fwAVG=4.84
sdW=490.9
fwW=5.00
sdS=109.3
fwS=4.49
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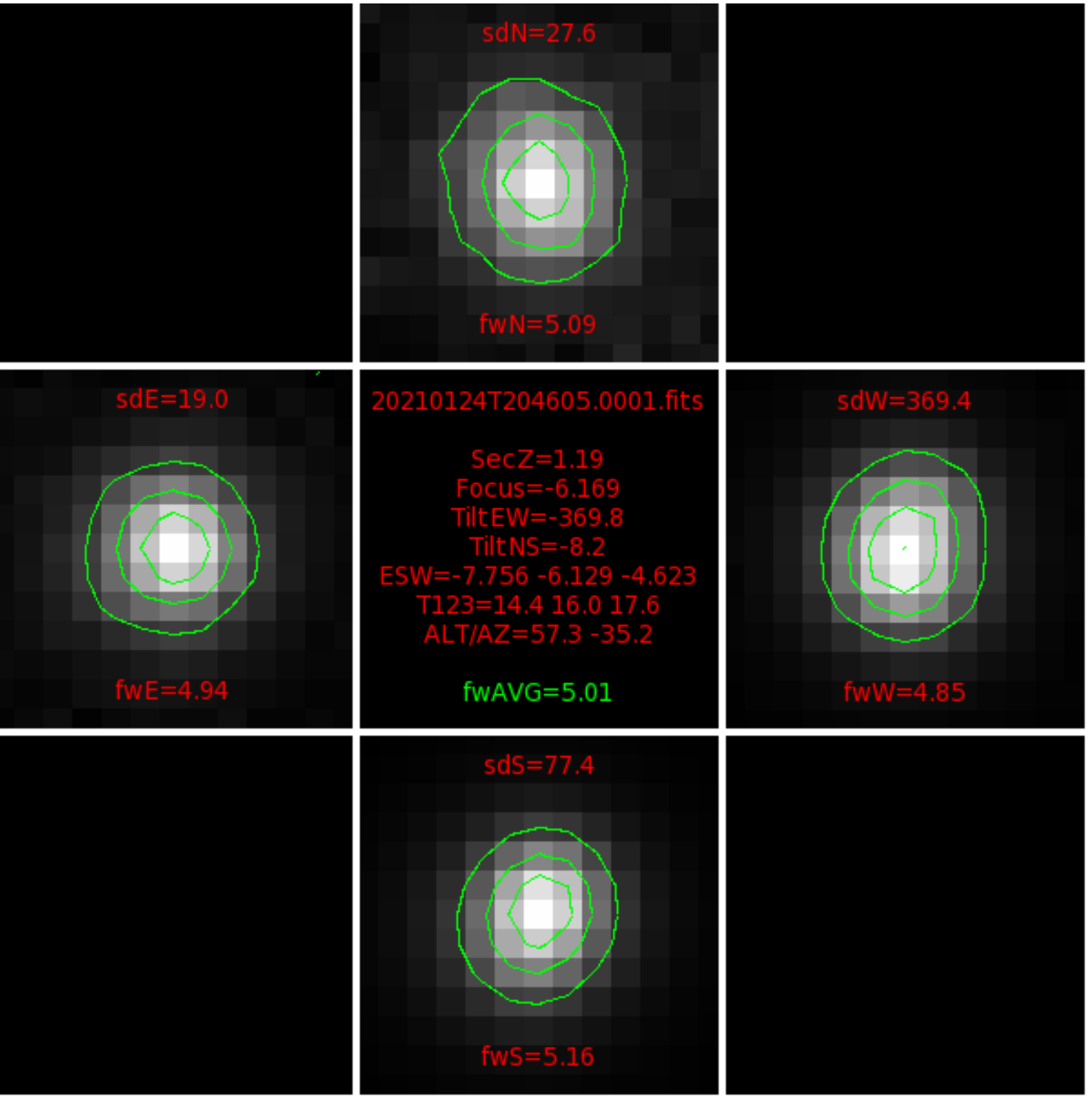
sdN=27.6
fwN=5.09
sdE=19.0
fwE=4.94
20210124T204605.0001.fits
SecZ=1.19
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=14.4 16.0 17.6
ALT/AZ=57.3 -35.2
fwAVG=5.01
sdW=369.4
fwW=4.85
sdS=77.4
fwS=5.16
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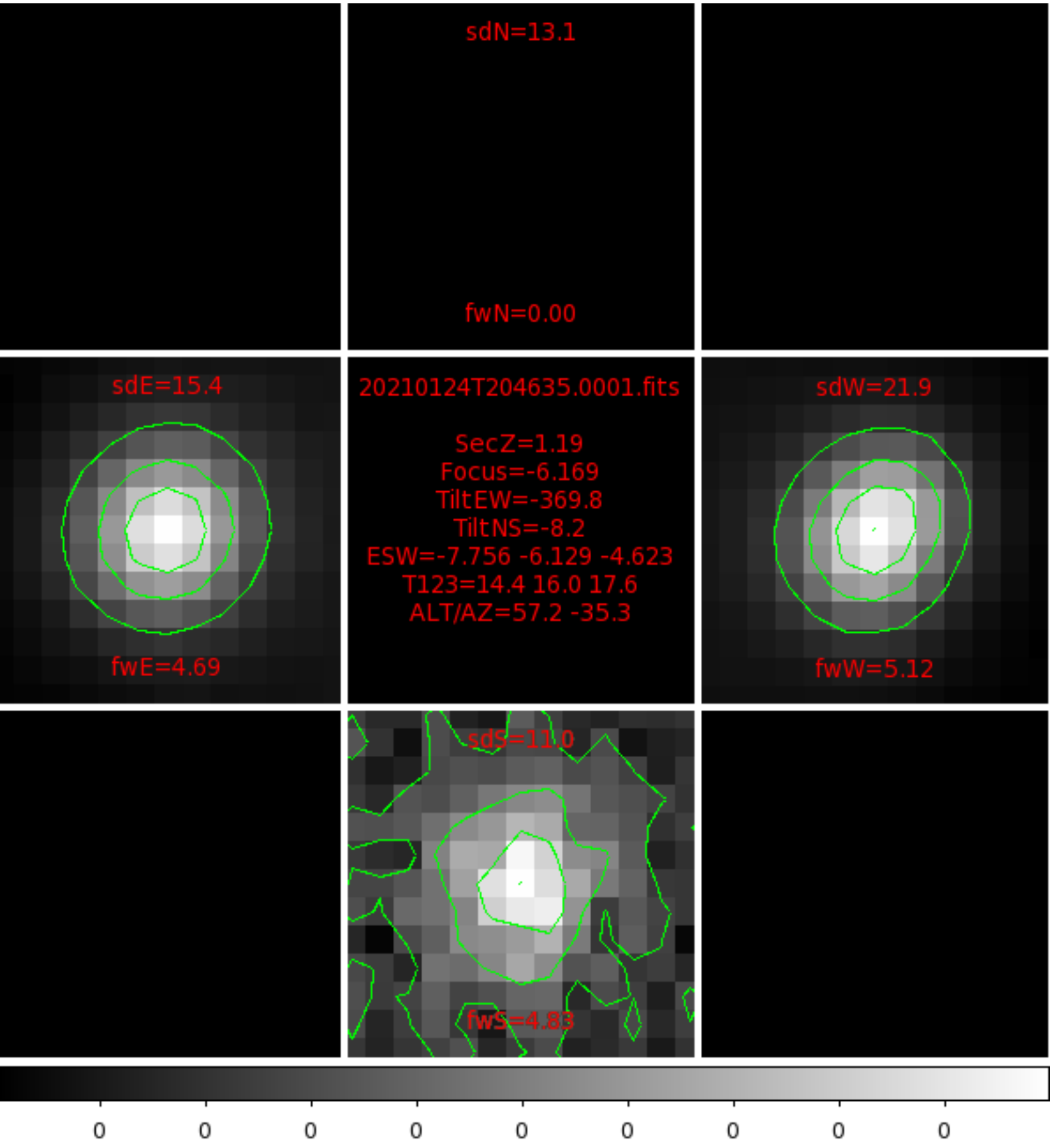
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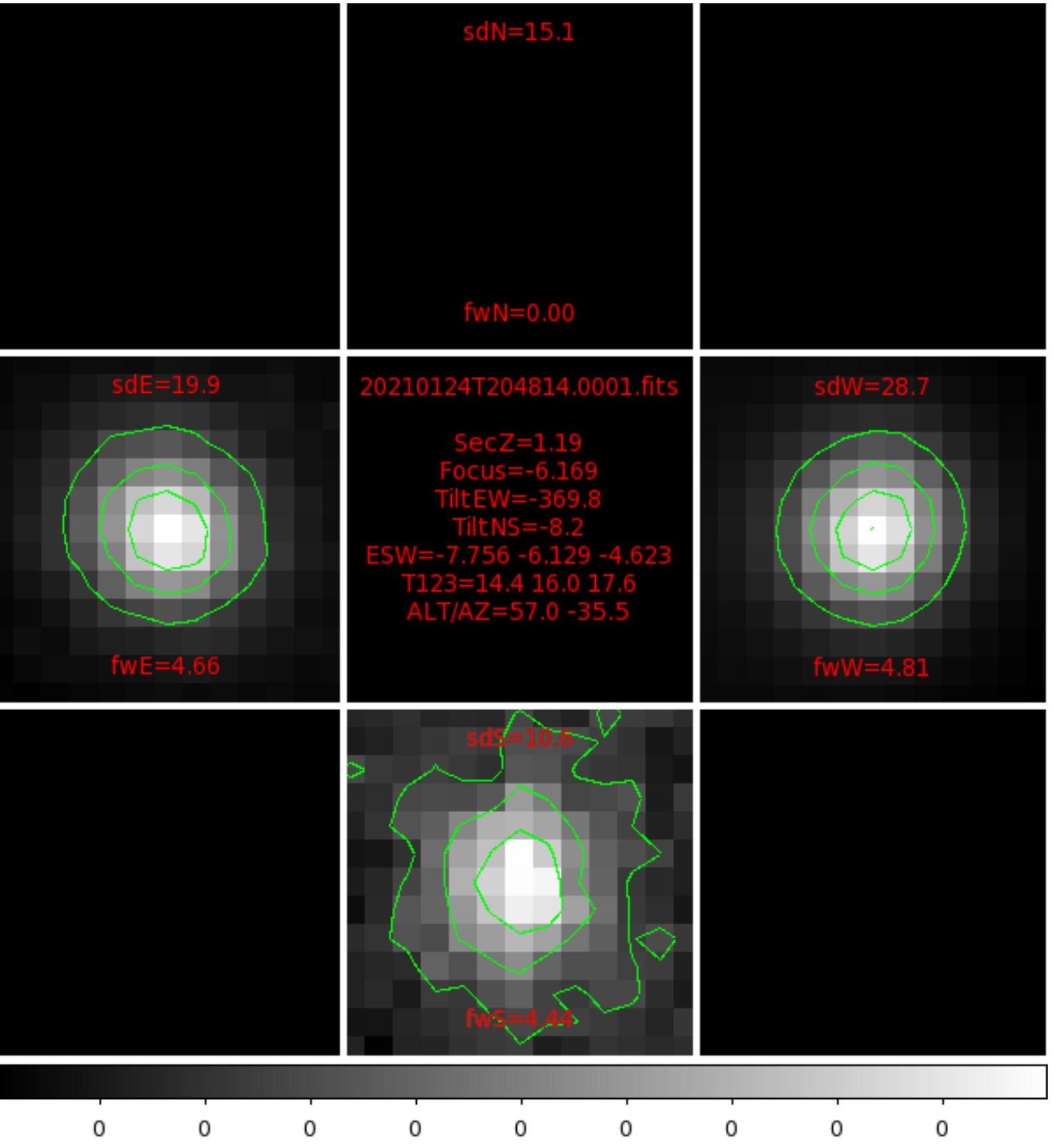
fwN=0.00
sdE=15.4
fwE=4.69
20210124T204635.0001.fits
SecZ=1.19
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=14.4 16.0 17.6
ALT/AZ=57.2 -35.3
sdW=21.9
fwW=5.12
sdS=11.0
fwS=4.83
0 0 0 0 0 0 0 0 0


sdN=15.1
fwN=0.00
sdE=19.9
fwE=4.66
20210124T204814.0001.fits
SecZ=1.19
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=14.4 16.0 17.6
ALT/AZ=57.0 -35.5
sdW=28.7
fwW=4.81
sdS=10.6
fwS=4.44
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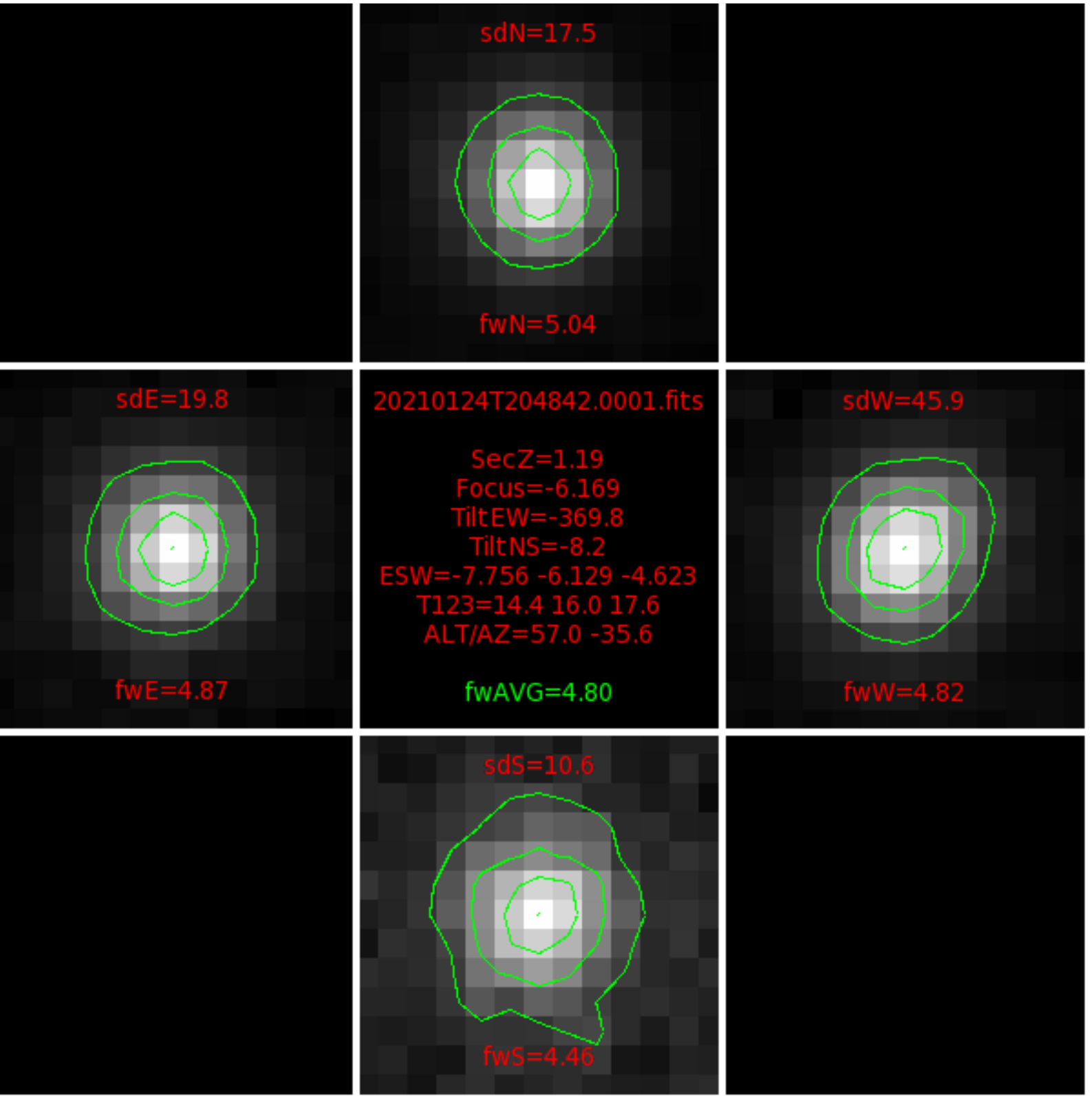
sdN=17.5
fwN=5.04
sdE=19.8
fwE=4.87
20210124T204842.0001.fits
SecZ=1.19
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=14.4 16.0 17.6
ALT/AZ=57.0 -35.6
fwAVG=4.80
sdW=45.9
fwW=4.82
sdS=10.6
fwS=4.46
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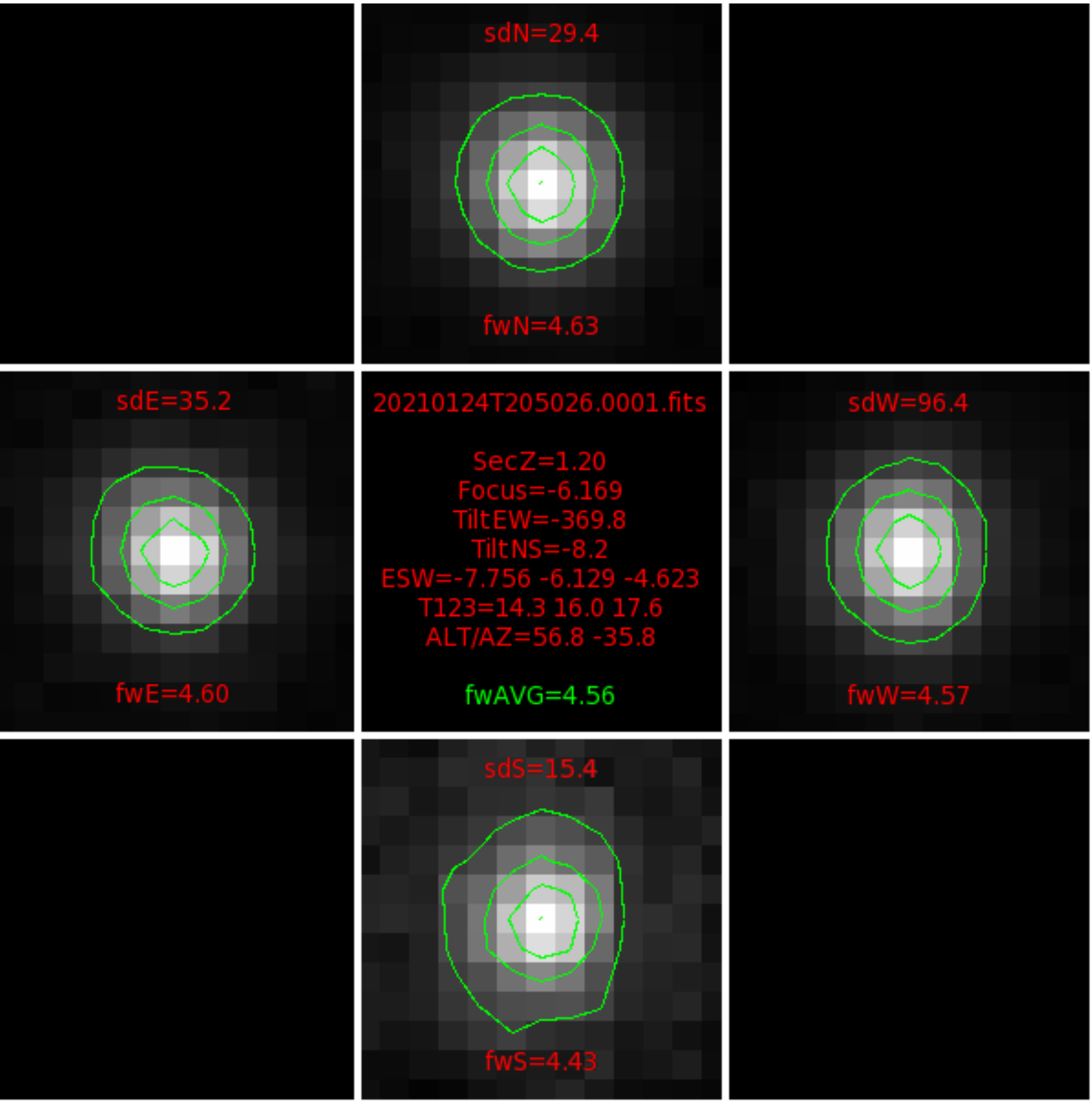
sdN=29.4
fwN=4.63
sdE=35.2
fwE=4.60
20210124T205026.0001.fits
SecZ=1.20
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=14.3 16.0 17.6
ALT/AZ=56.8 -35.8
fwAVG=4.56
sdW=96.4
fwW=4.57
sdS=15.4
fwS=4.43
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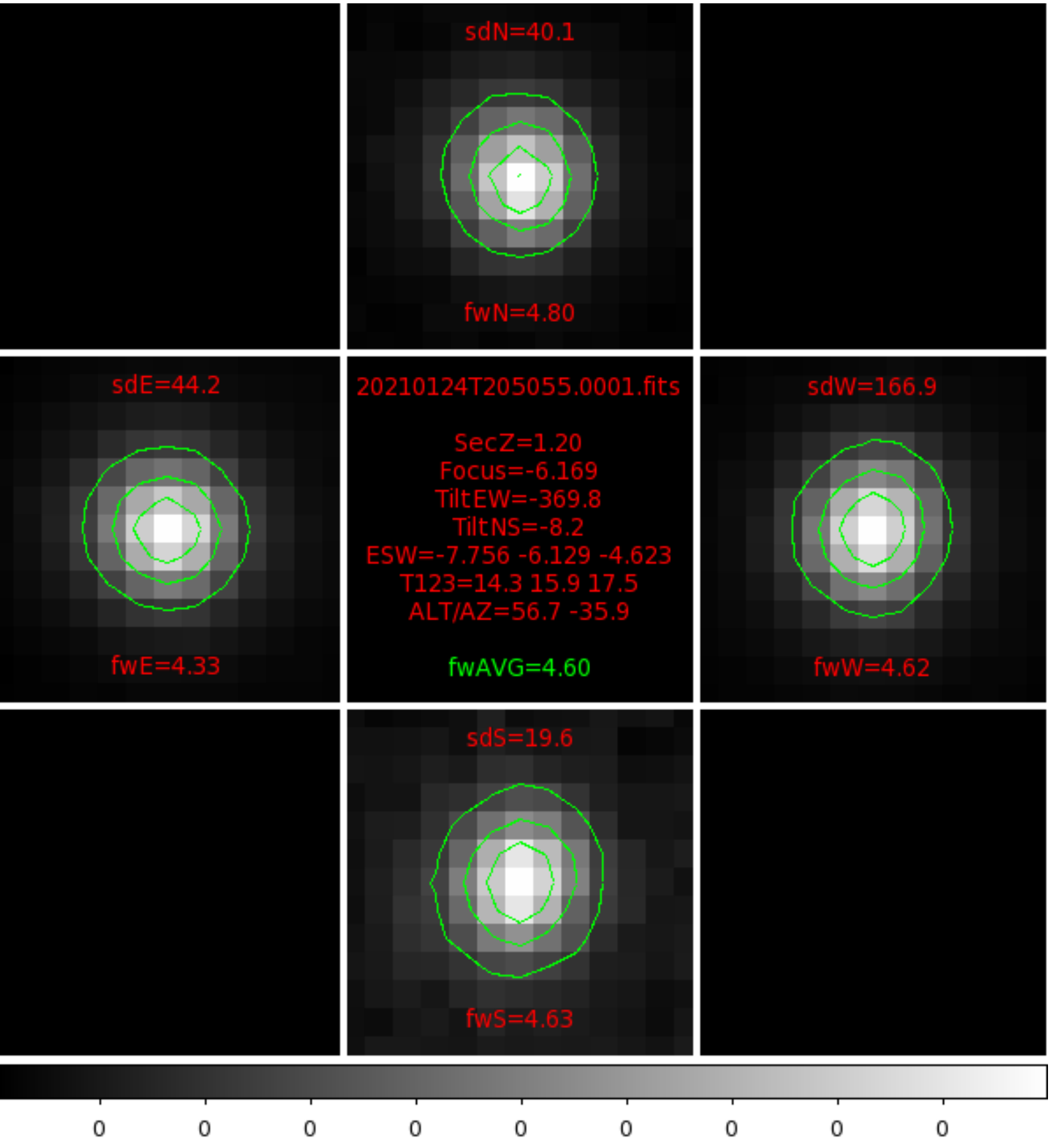
sdN=40.1
fwN=4.80
sdE=44.2
fwE=4.33
20210124T205055.0001.fits
SecZ=1.20
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=14.3 15.9 17.5
ALT/AZ=56.7 -35.9
fwAVG=4.60
sdW=166.9
fwW=4.62
sdS=19.6
fwS=4.63
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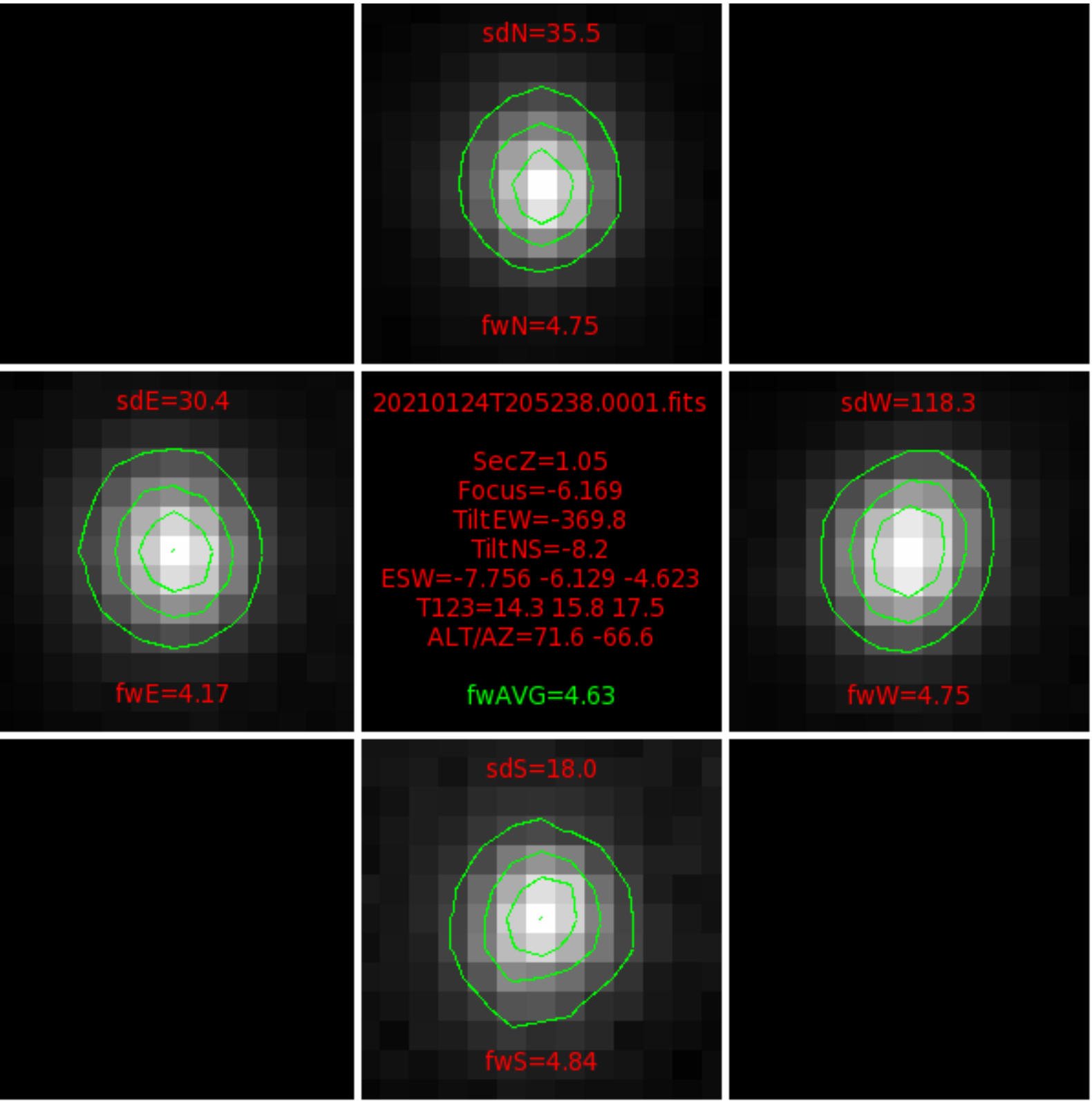
sdN=35.5
fwN=4.75
sdE=30.4
fwE=4.17
20210124T205238.0001.fits
SecZ=1.05
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=14.3 15.8 17.5
ALT/AZ=71.6 -66.6
fwAVG=4.63
sdW=118.3
fwW=4.75
sdS=18.0
fwS=4.84
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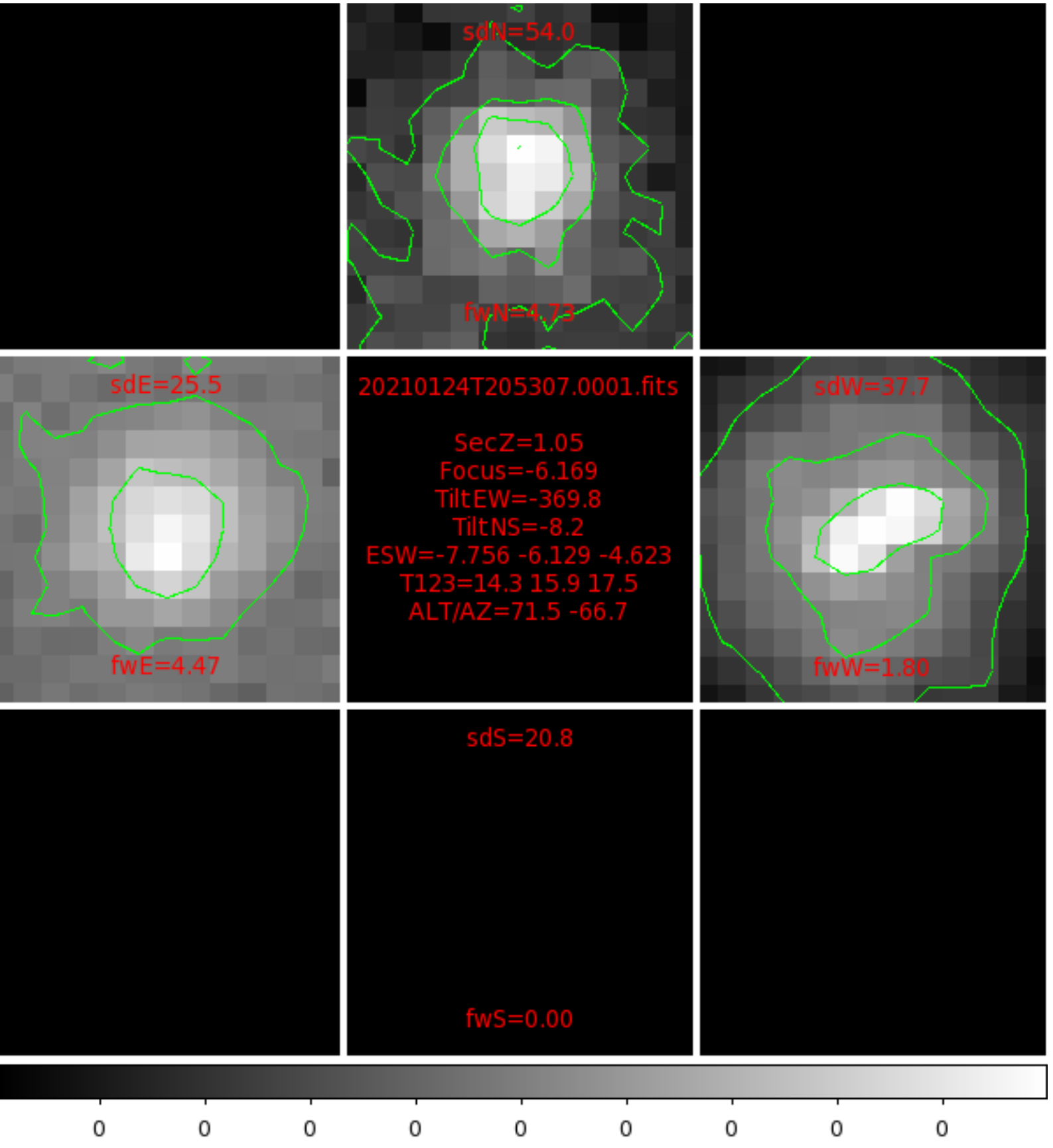
sdN=54.0
fwN=4.73
sdE=25.5
fwE=4.47
20210124T205307.0001.fits
SecZ=1.05
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=14.3 15.9 17.5
ALT/AZ=71.5 -66.7
sdW=37.7
fwW=1.80
sdS=20.8
fwS=0.00
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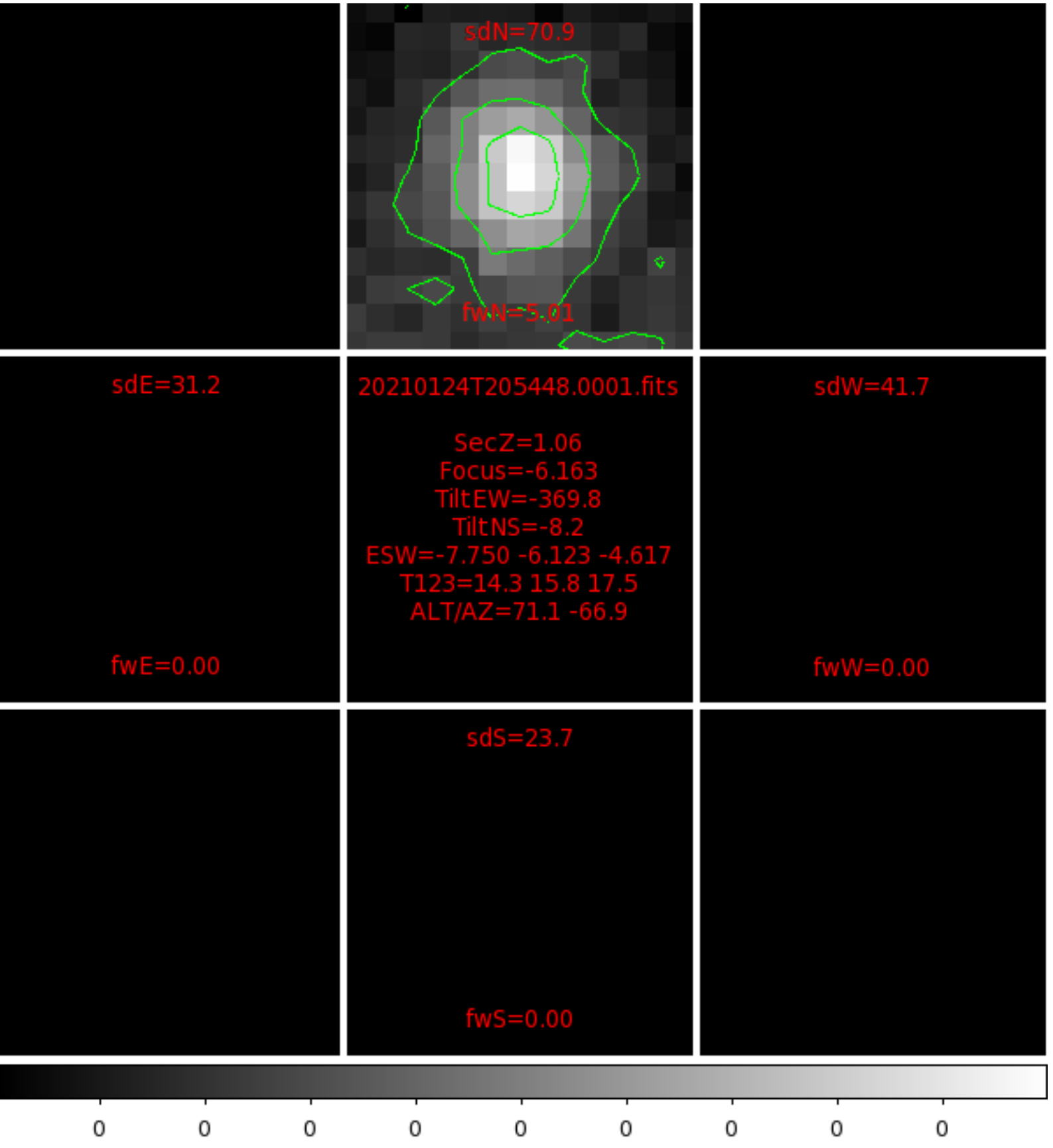
sdN=70.9
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sdE=31.2
20210124T205448.0001.fits
SecZ=1.06
Focus=-6.163
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.750 -6.123 -4.617
T123=14.3 15.8 17.5
ALT/AZ=71.1 -66.9
sdW=41.7
fwE=0.00
fwW=0.00
sdS=23.7
fwS=0.00
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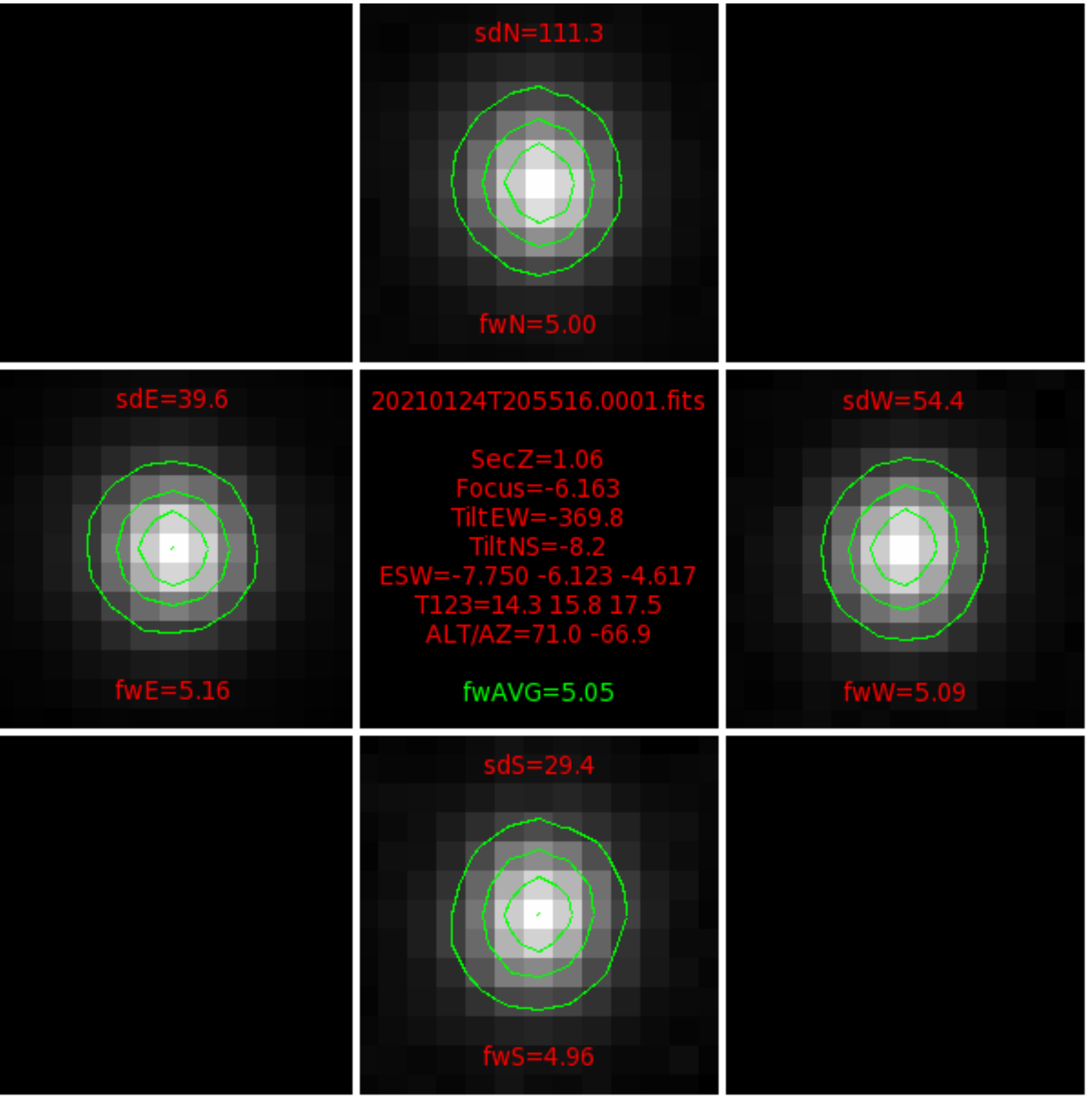
sdN=111.3
fwN=5.00
sdE=39.6
fwE=5.16
20210124T205516.0001.fits
SecZ=1.06
Focus=-6.163
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.750 -6.123 -4.617
T123=14.3 15.8 17.5
ALT/AZ=71.0 -66.9
fwAVG=5.05
sdW=54.4
fwW=5.09
sdS=29.4
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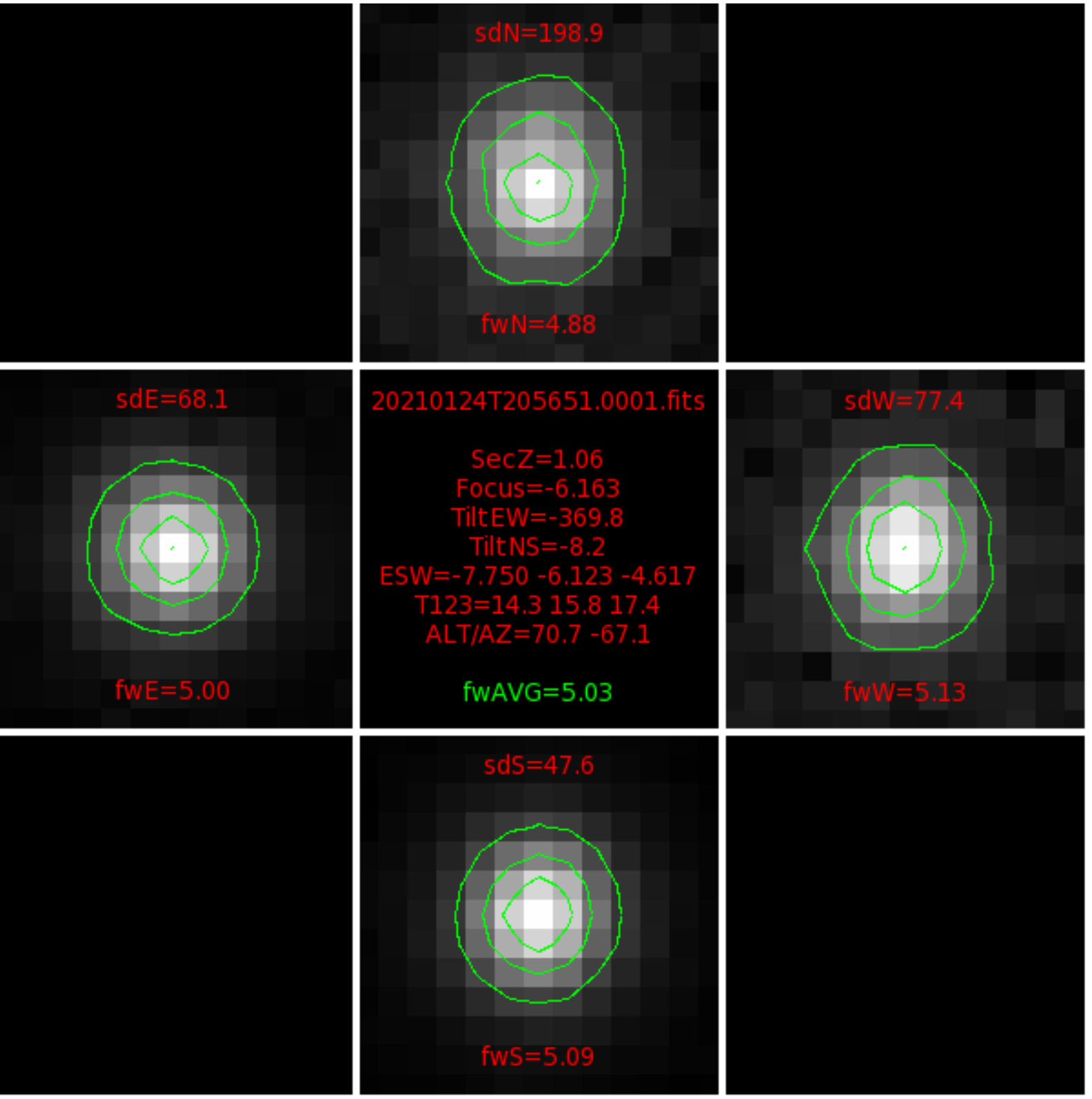
sdN=198.9
fwN=4.88
sdE=68.1
fwE=5.00
20210124T205651.0001.fits
SecZ=1.06
Focus=-6.163
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.750 -6.123 -4.617
T123=14.3 15.8 17.4
ALT/AZ=70.7 -67.1
fwAVG=5.03
sdW=77.4
fwW=5.13
sdS=47.6
fwS=5.09
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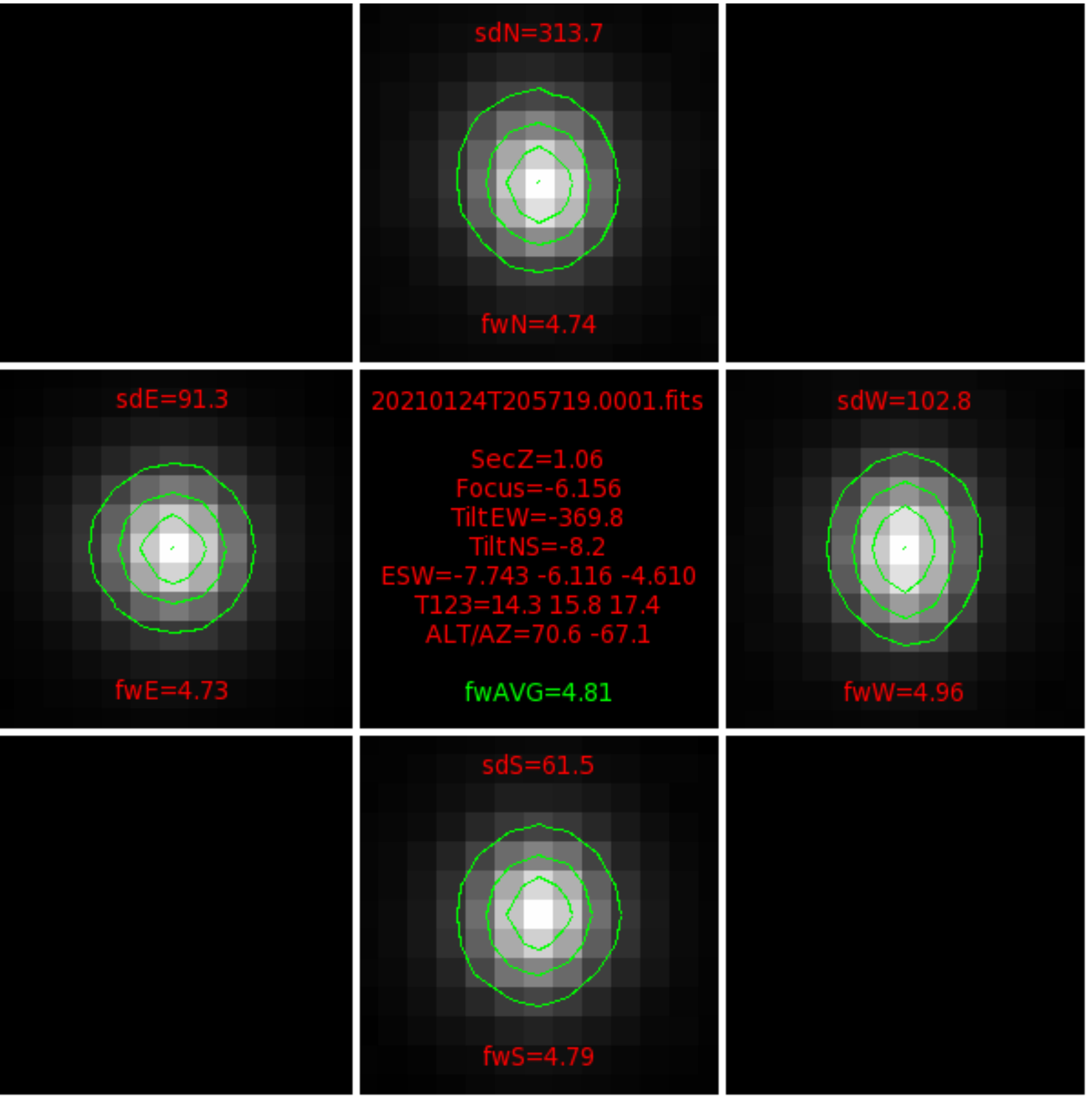
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fwN=4.74
sdE=91.3
fwE=4.73
20210124T205719.0001.fits
SecZ=1.06
Focus=-6.156
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.743 -6.116 -4.610
T123=14.3 15.8 17.4
ALT/AZ=70.6 -67.1
fwAVG=4.81
sdW=102.8
fwW=4.96
sdS=61.5
fwS=4.79
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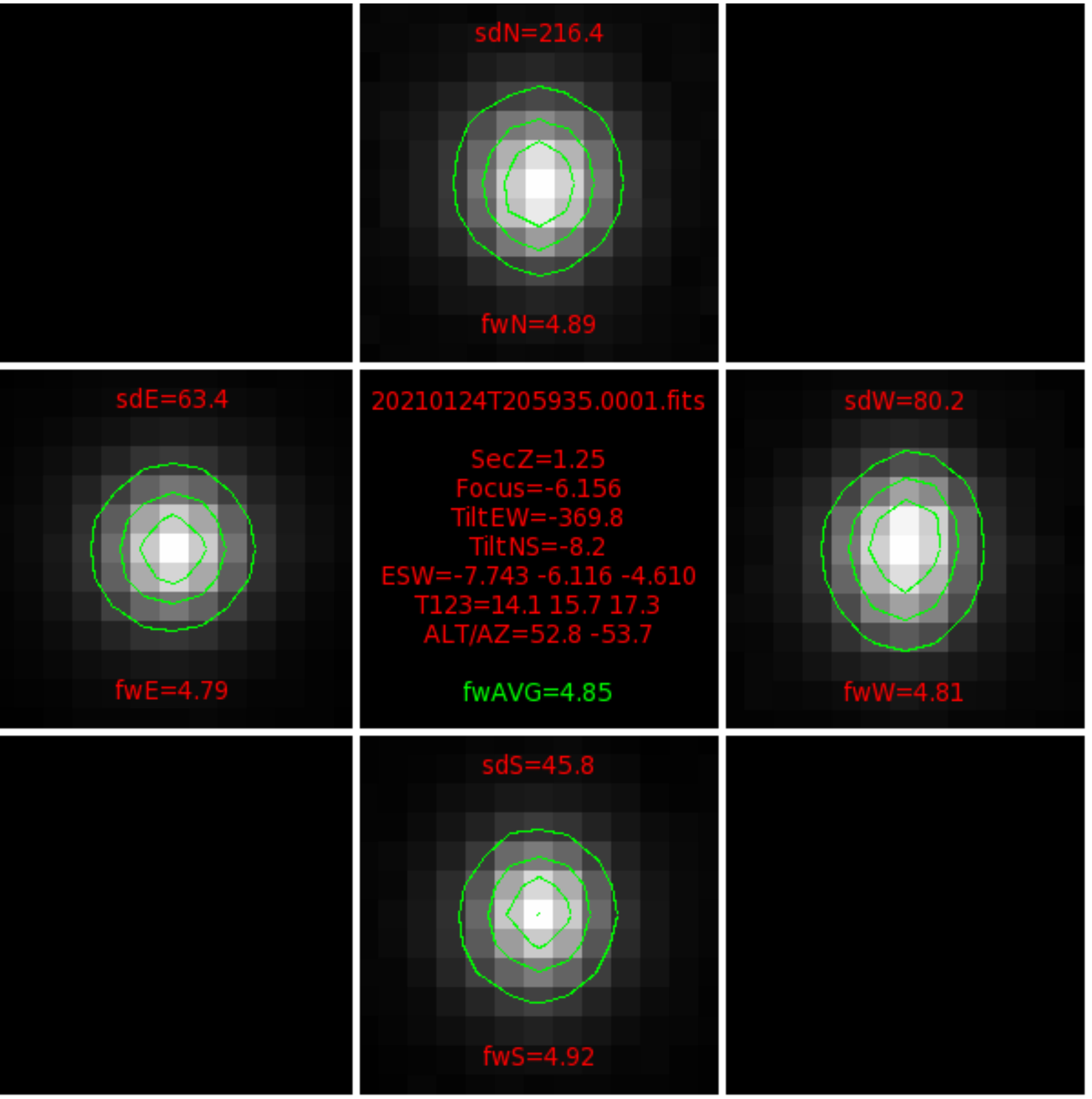
sdN=216.4
fwN=4.89
sdE=63.4
fwE=4.79
20210124T205935.0001.fits
SecZ=1.25
Focus=-6.156
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.743 -6.116 -4.610
T123=14.1 15.7 17.3
ALT/AZ=52.8 -53.7
fwAVG=4.85
sdW=80.2
fwW=4.81
sdS=45.8
fwS=4.92
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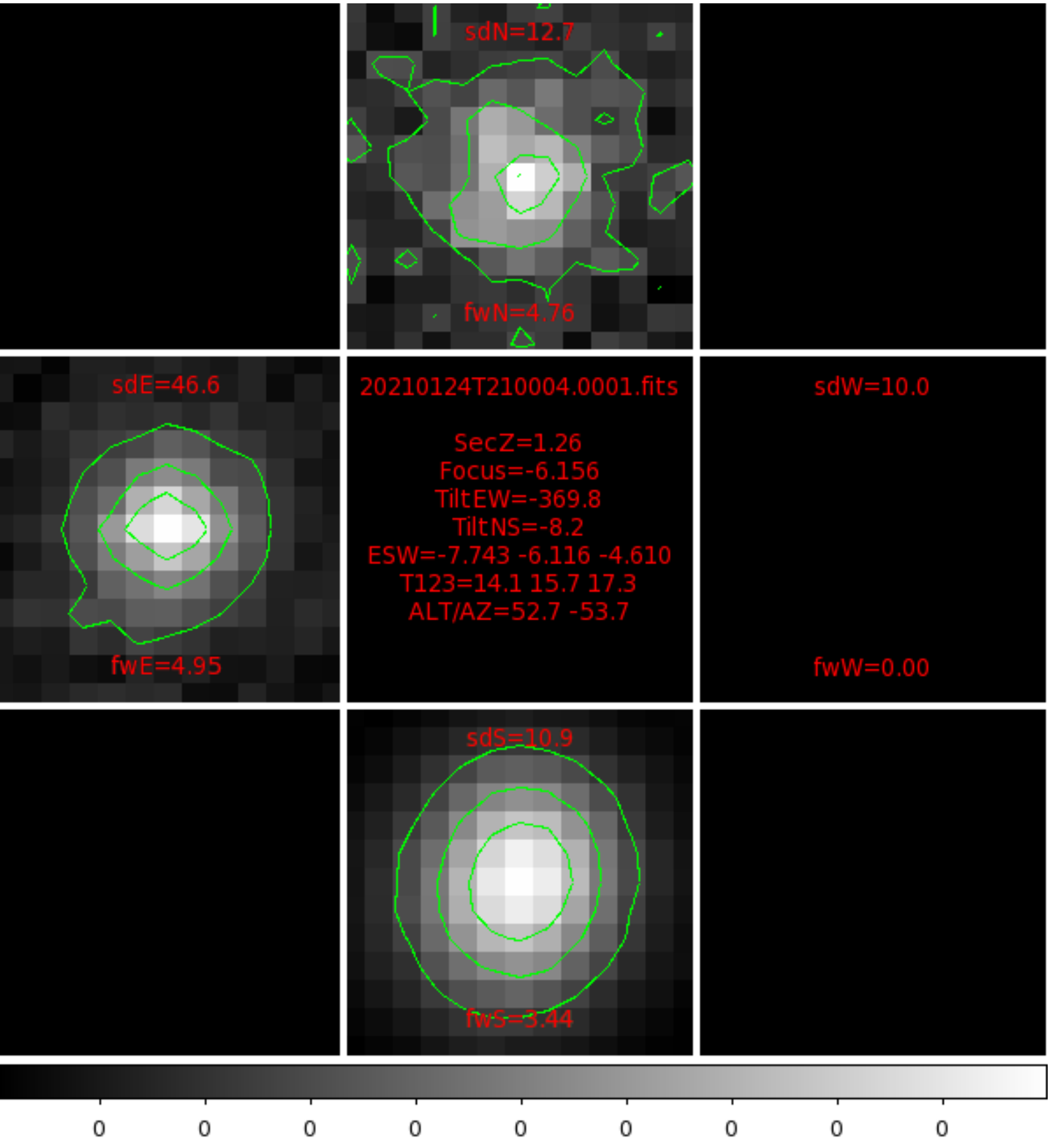
sdN=12.7
fwN=4.76
sdE=46.6
fwE=4.95
20210124T210004.0001.fits
SecZ=1.26
Focus=-6.156
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.743 -6.116 -4.610
T123=14.1 15.7 17.3
ALT/AZ=52.7 -53.7
sdW=10.0
fwW=0.00
sdS=10.9
fwS=3.44
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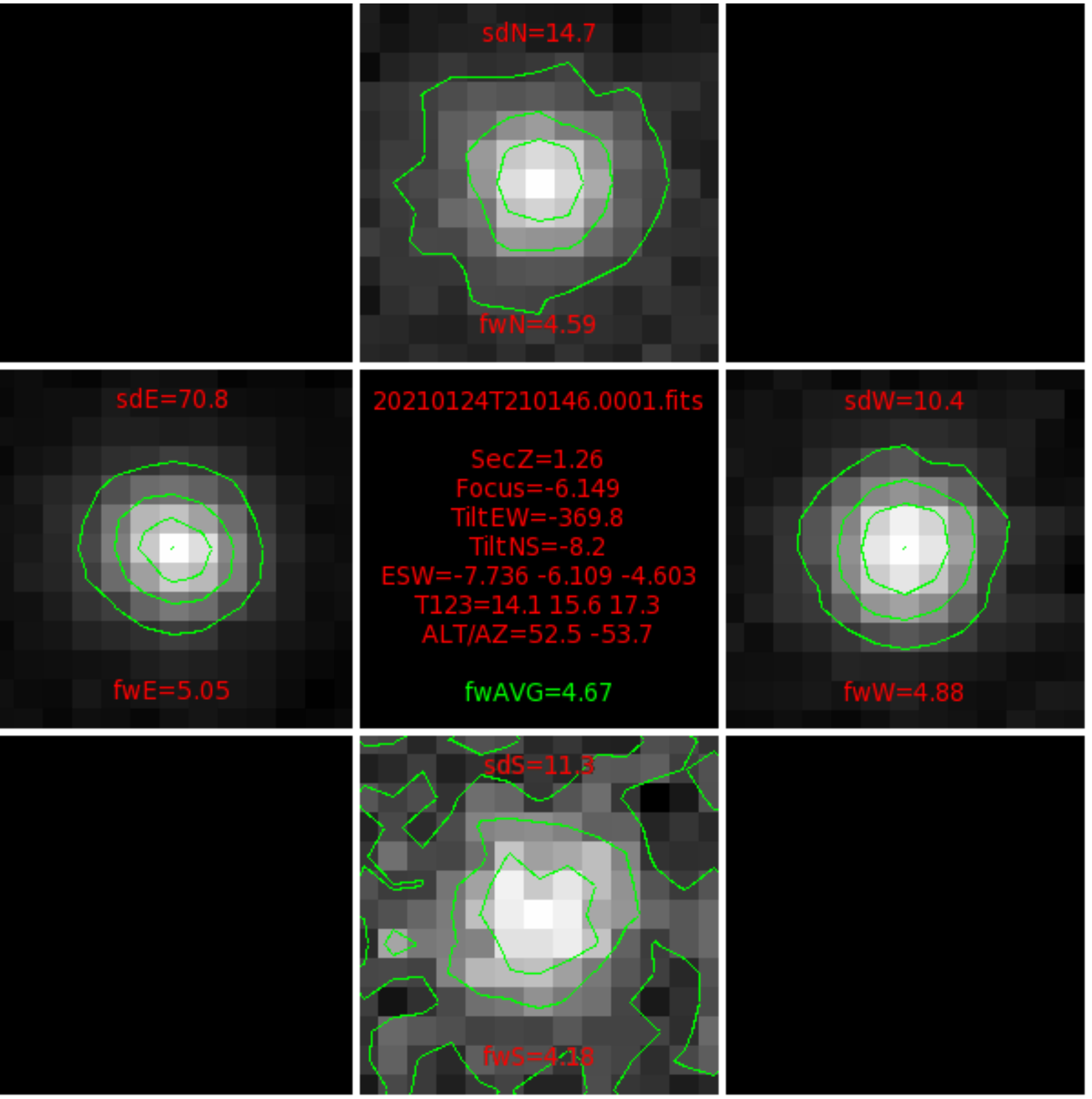
sdN=14.7
fwN=4.59
sdE=70.8
fwE=5.05
20210124T210146.0001.fits
SecZ=1.26
Focus=-6.149
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.736 -6.109 -4.603
T123=14.1 15.6 17.3
ALT/AZ=52.5 -53.7
fwAVG=4.67
sdW=10.4
fwW=4.88
sdS=11.3
fwS=4.18
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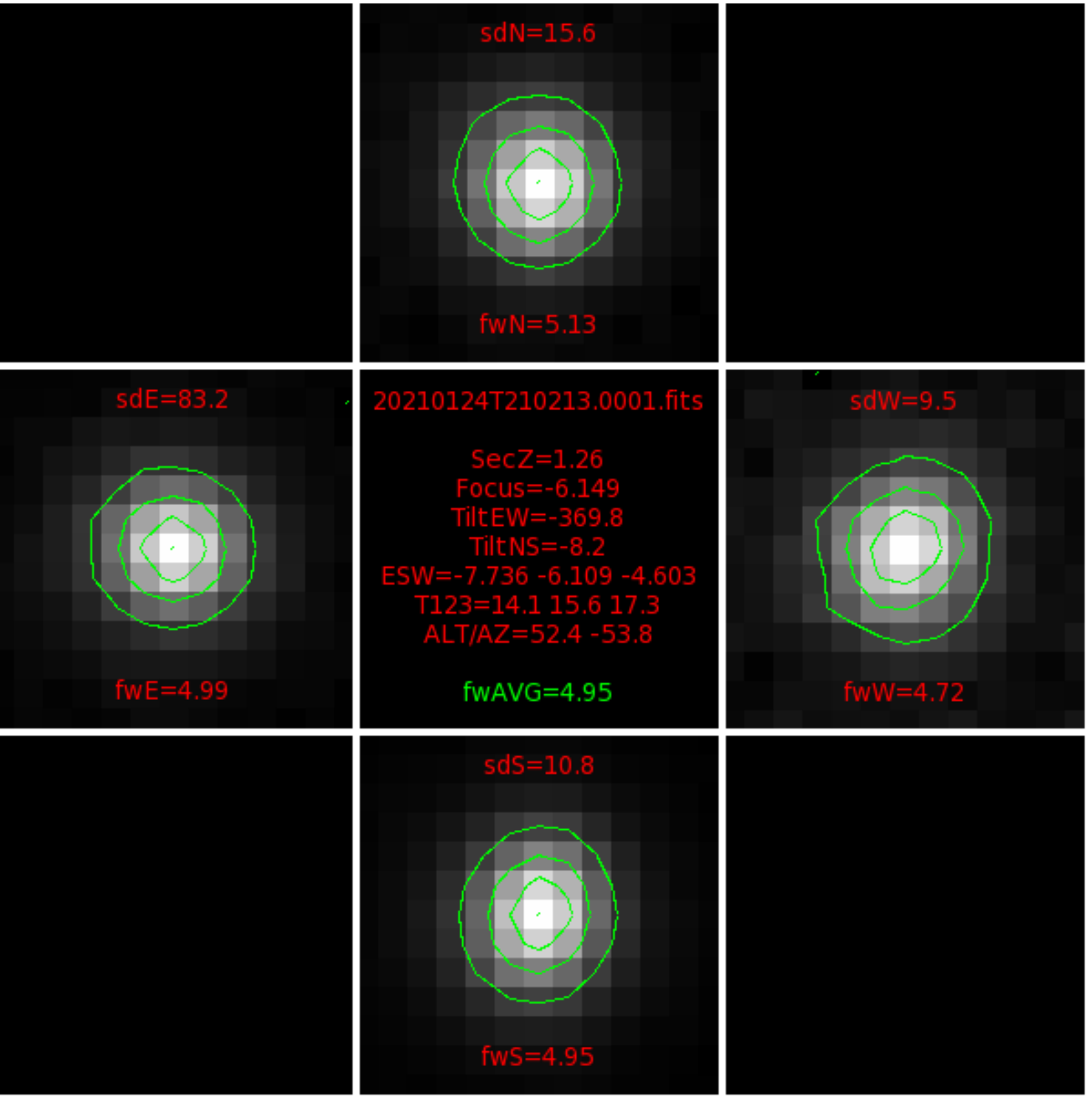
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fwN=5.13
sdE=83.2
fwE=4.99
20210124T210213.0001.fits
SecZ=1.26
Focus=-6.149
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.736 -6.109 -4.603
T123=14.1 15.6 17.3
ALT/AZ=52.4 -53.8
fwAVG=4.95
sdW=9.5
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sdS=10.8
fwS=4.95
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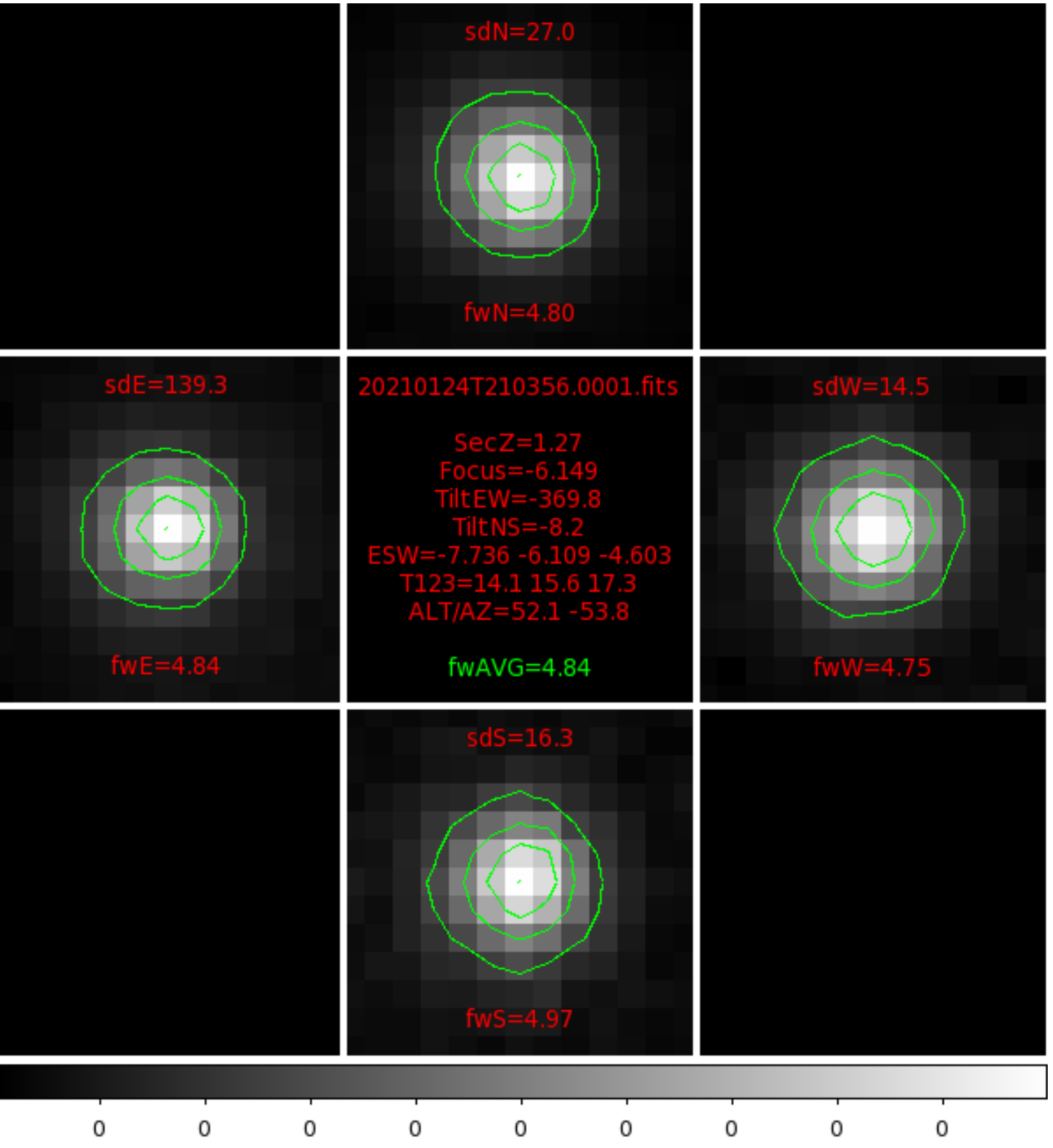
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fwN=4.80
sdE=139.3
fwE=4.84
20210124T210356.0001.fits
SecZ=1.27
Focus=-6.149
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.736 -6.109 -4.603
T123=14.1 15.6 17.3
ALT/AZ=52.1 -53.8
fwAVG=4.84
sdW=14.5
fwW=4.75
sdS=16.3
fwS=4.97
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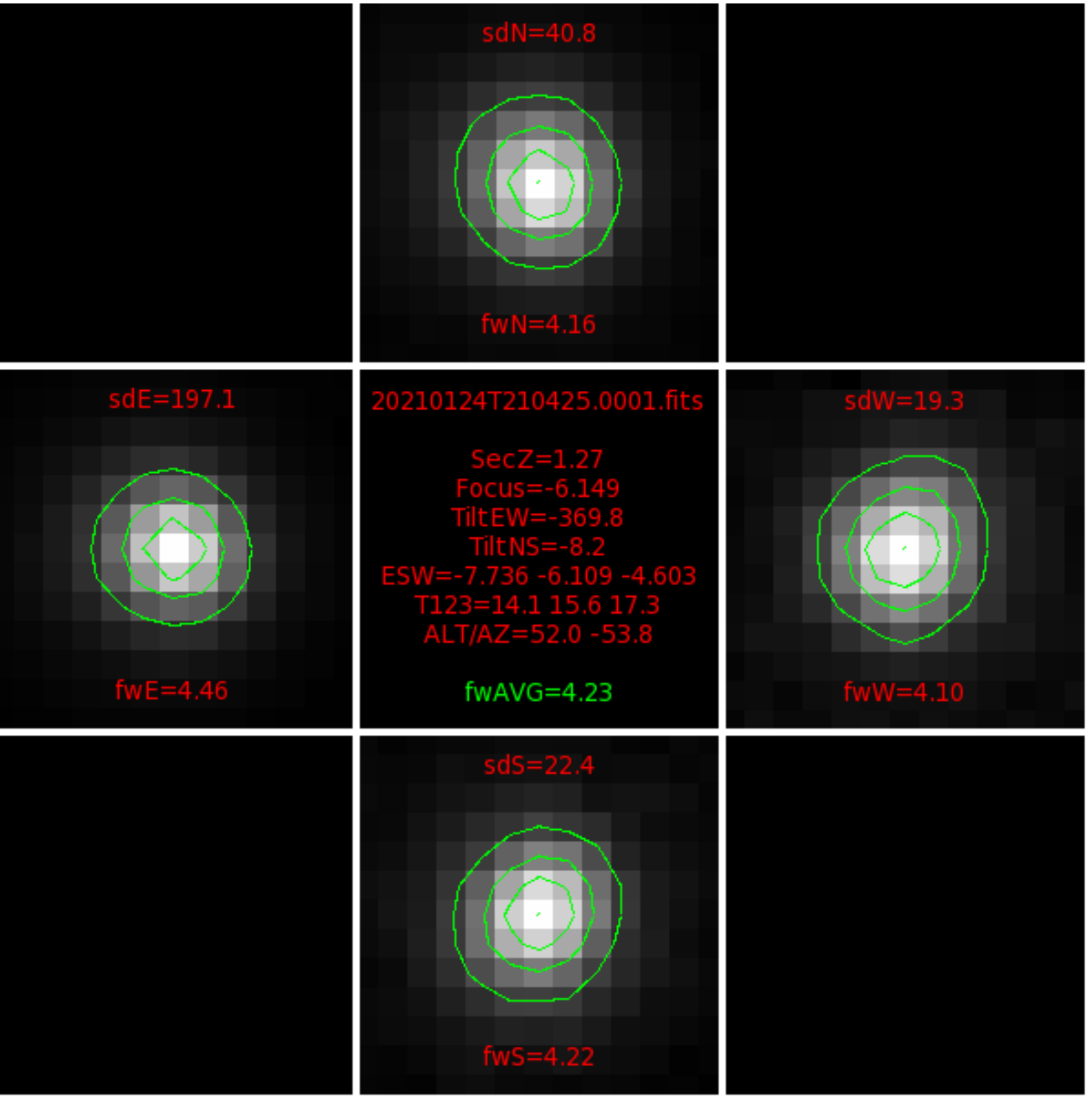
sdN=40.8
fwN=4.16
sdE=197.1
fwE=4.46
20210124T210425.0001.fits
SecZ=1.27
Focus=-6.149
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.736 -6.109 -4.603
T123=14.1 15.6 17.3
ALT/AZ=52.0 -53.8
fwAVG=4.23
sdW=19.3
fwW=4.10
sdS=22.4
fwS=4.22
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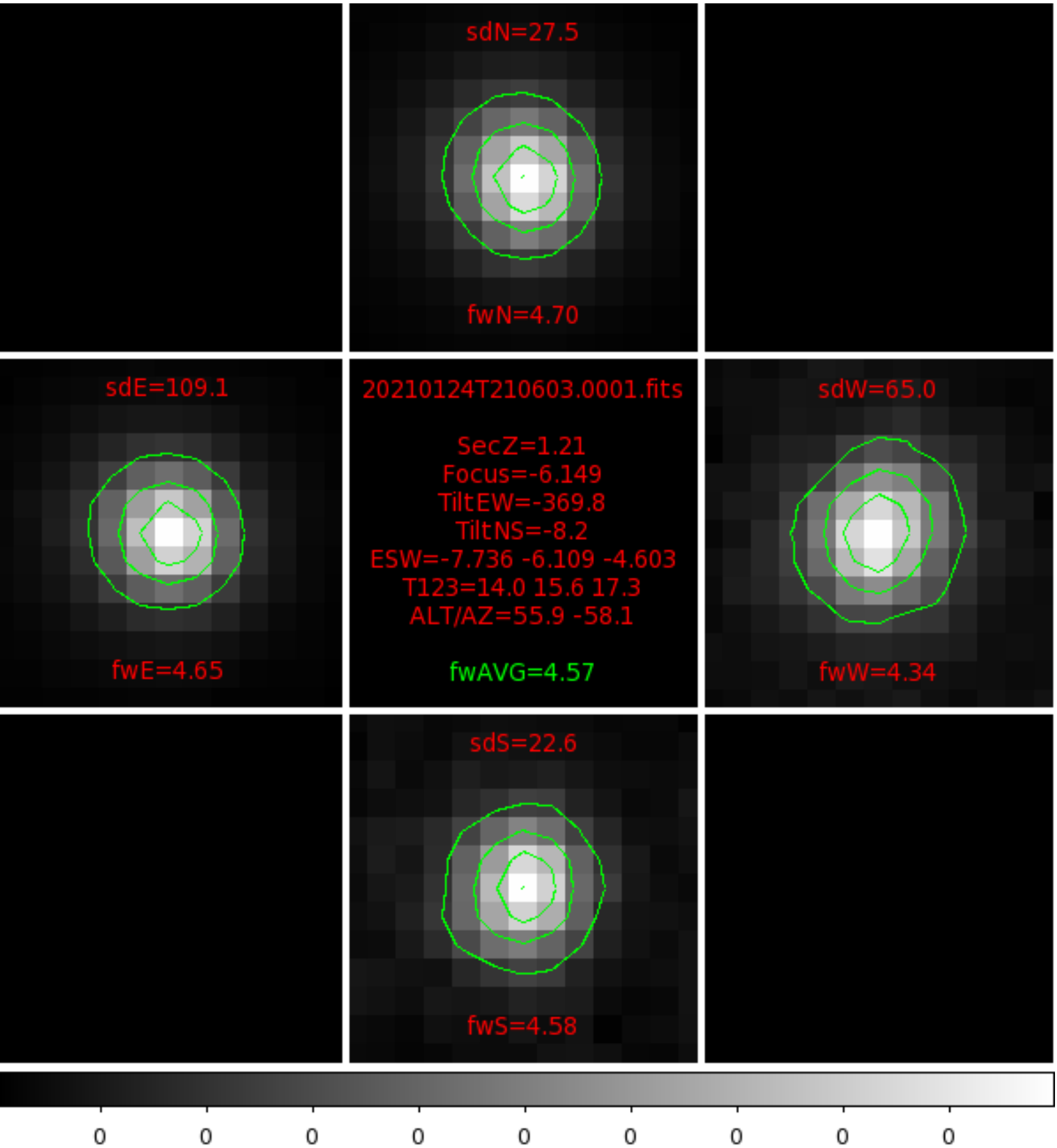
sdN=27.5
fwN=4.70
sdE=109.1
fwE=4.65
20210124T210603.0001.fits
SecZ=1.21
Focus=-6.149
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.736 -6.109 -4.603
T123=14.0 15.6 17.3
ALT/AZ=55.9 -58.1
fwAVG=4.57
sdW=65.0
fwW=4.34
sdS=22.6
fwS=4.58
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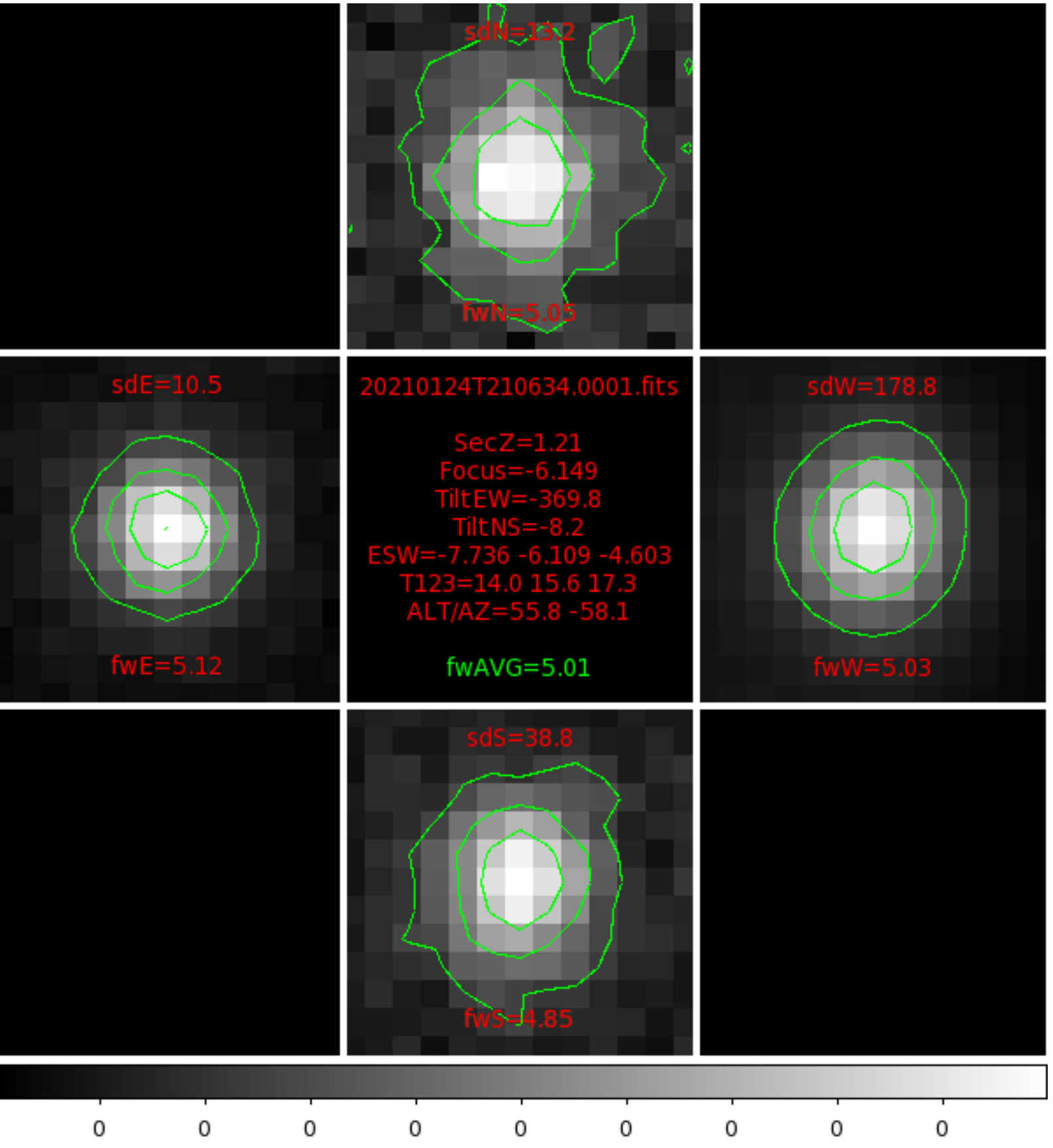
sdN=13.2
fwN=5.05
sdE=10.5
fwE=5.12
20210124T210634.0001.fits
SecZ=1.21
Focus=-6.149
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.736 -6.109 -4.603
T123=14.0 15.6 17.3
ALT/AZ=55.8 -58.1
fwAVG=5.01
sdW=178.8
fwW=5.03
sdS=38.8
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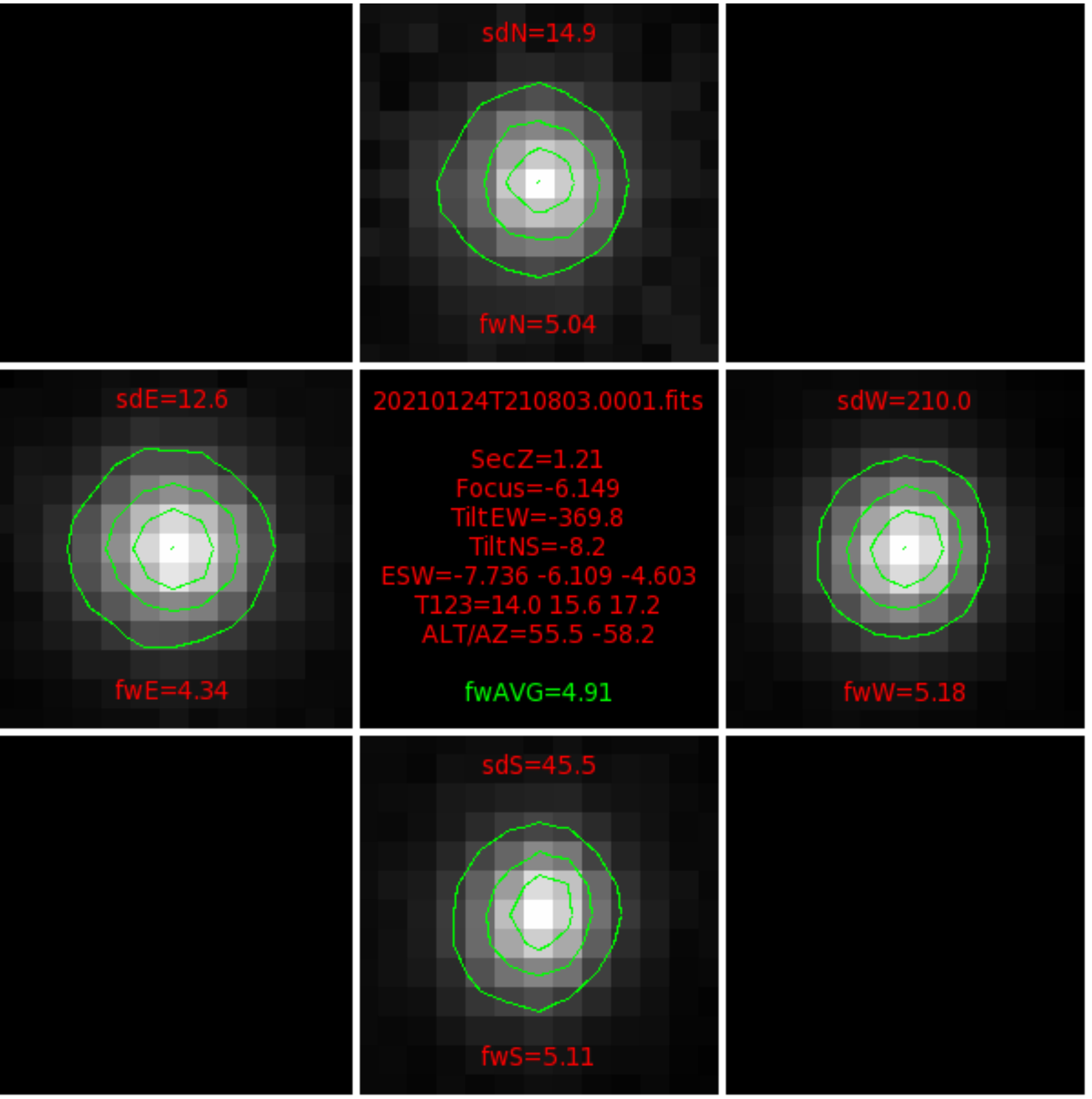
sdN=14.9
fwN=5.04
sdE=12.6
fwE=4.34
20210124T210803.0001.fits
SecZ=1.21
Focus=-6.149
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.736 -6.109 -4.603
T123=14.0 15.6 17.2
ALT/AZ=55.5 -58.2
fwAVG=4.91
sdW=210.0
fwW=5.18
sdS=45.5
fwS=5.11
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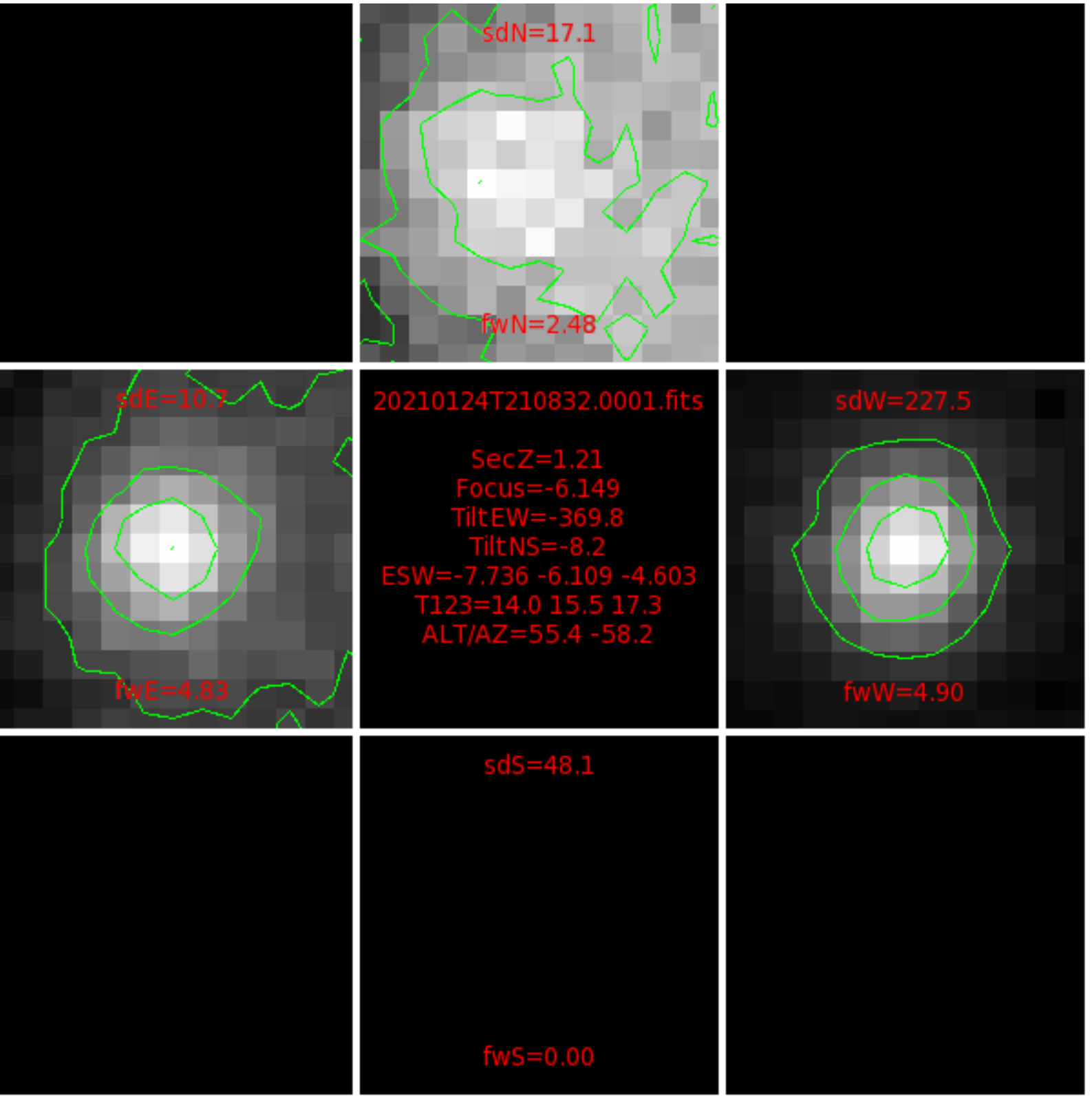
sdN=17.1
fwN=2.48
sdE=10.7
fwE=4.83
20210124T210832.0001.fits
SecZ=1.21
Focus=-6.149
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.736 -6.109 -4.603
T123=14.0 15.5 17.3
ALT/AZ=55.4 -58.2
sdW=227.5
fwW=4.90
sdS=48.1
fwS=0.00
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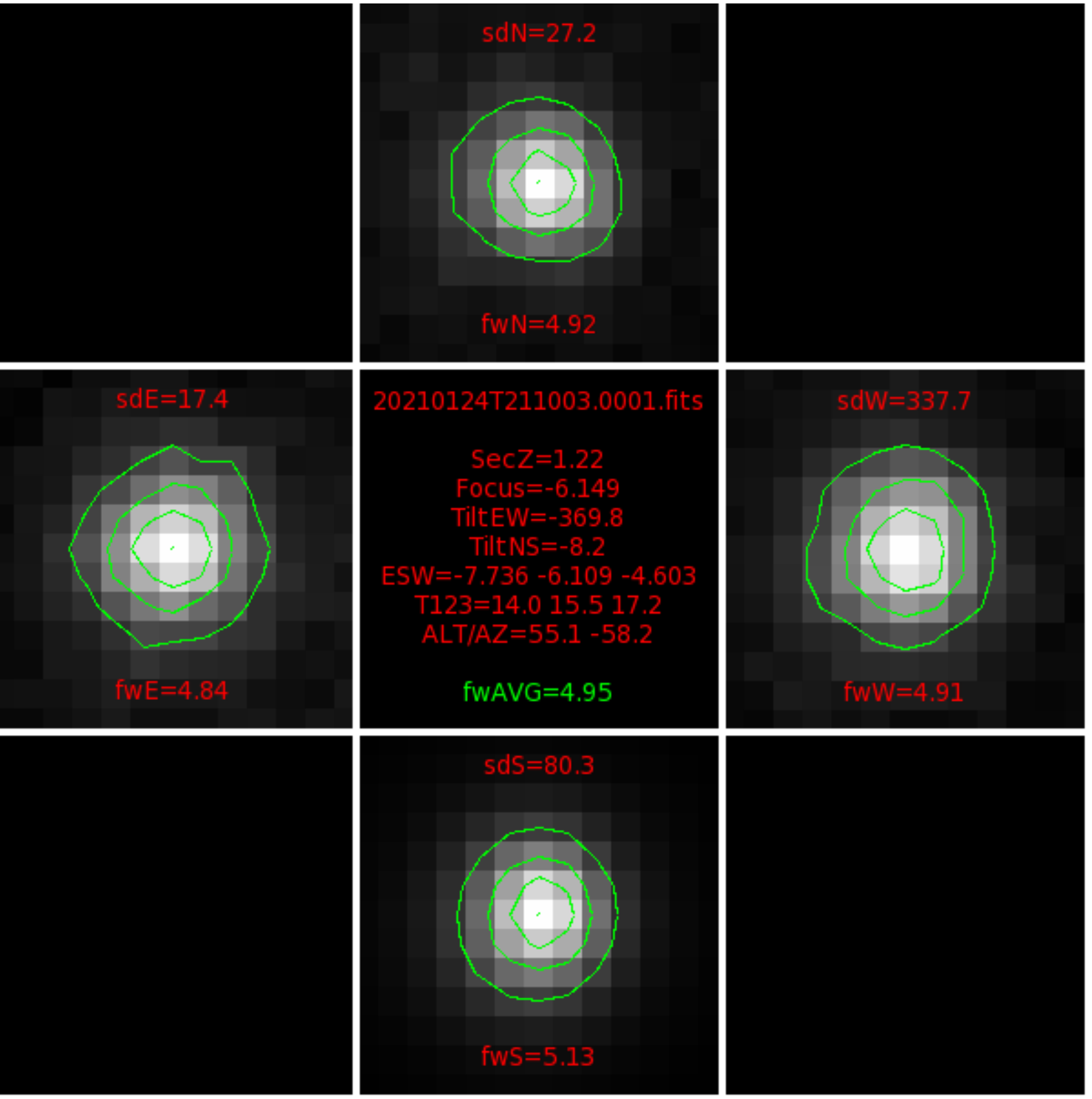
sdN=27.2
fwN=4.92
sdE=17.4
fwE=4.84
20210124T211003.0001.fits
SecZ=1.22
Focus=-6.149
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.736 -6.109 -4.603
T123=14.0 15.5 17.2
ALT/AZ=55.1 -58.2
fwAVG=4.95
sdW=337.7
fwW=4.91
sdS=80.3
fwS=5.13
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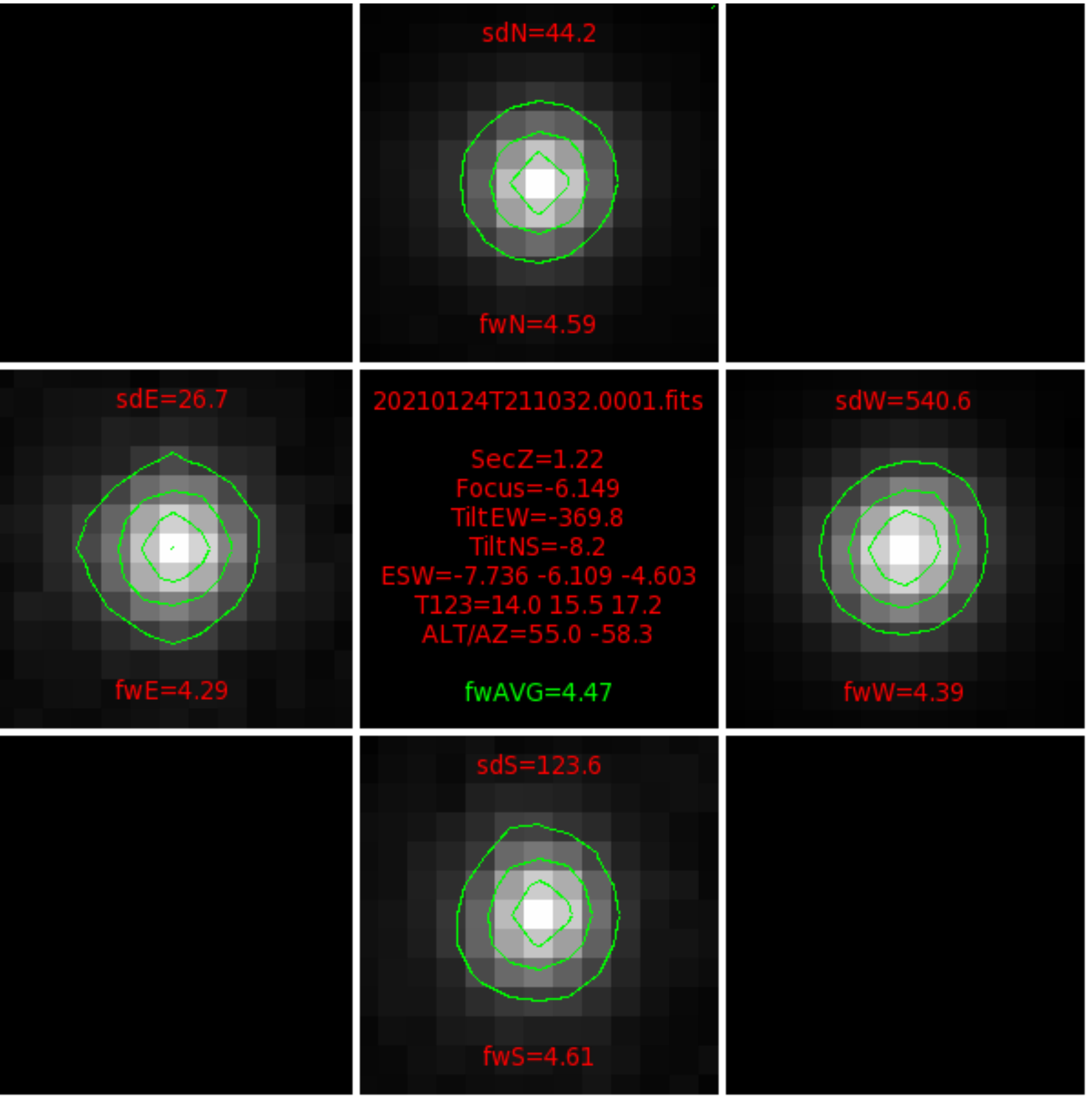
sdN=44.2
fwN=4.59
sdE=26.7
fwE=4.29
20210124T211032.0001.fits
SecZ=1.22
Focus=-6.149
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.736 -6.109 -4.603
T123=14.0 15.5 17.2
ALT/AZ=55.0 -58.3
fwAVG=4.47
sdW=540.6
fwW=4.39
sdS=123.6
fwS=4.61
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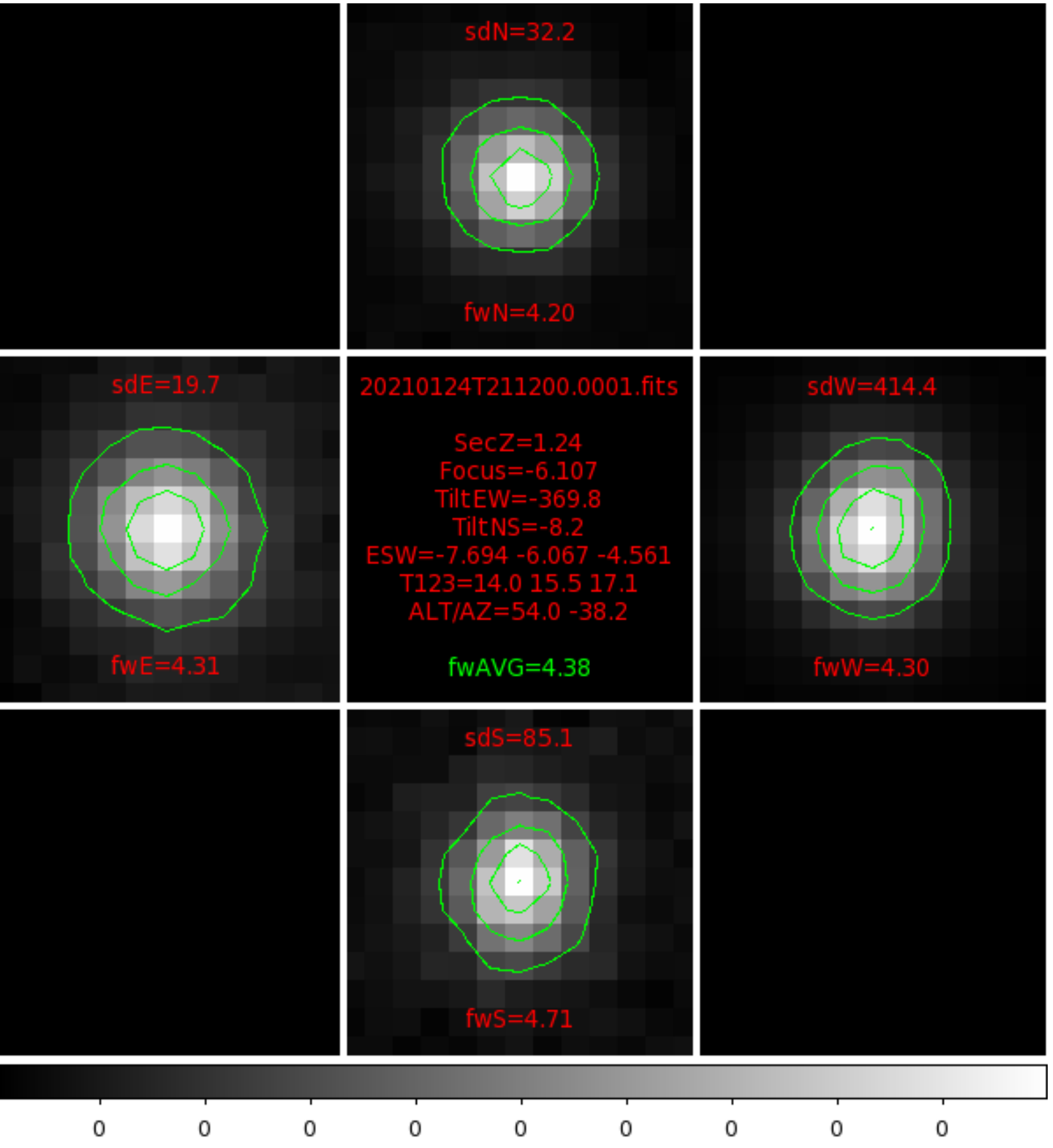
sdN=32.2
fwN=4.20
sdE=19.7
fwE=4.31
20210124T211200.0001.fits
SecZ=1.24
Focus=-6.107
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.694 -6.067 -4.561
T123=14.0 15.5 17.1
ALT/AZ=54.0 -38.2
fwAVG=4.38
sdW=414.4
fwW=4.30
sdS=85.1
fwS=4.71
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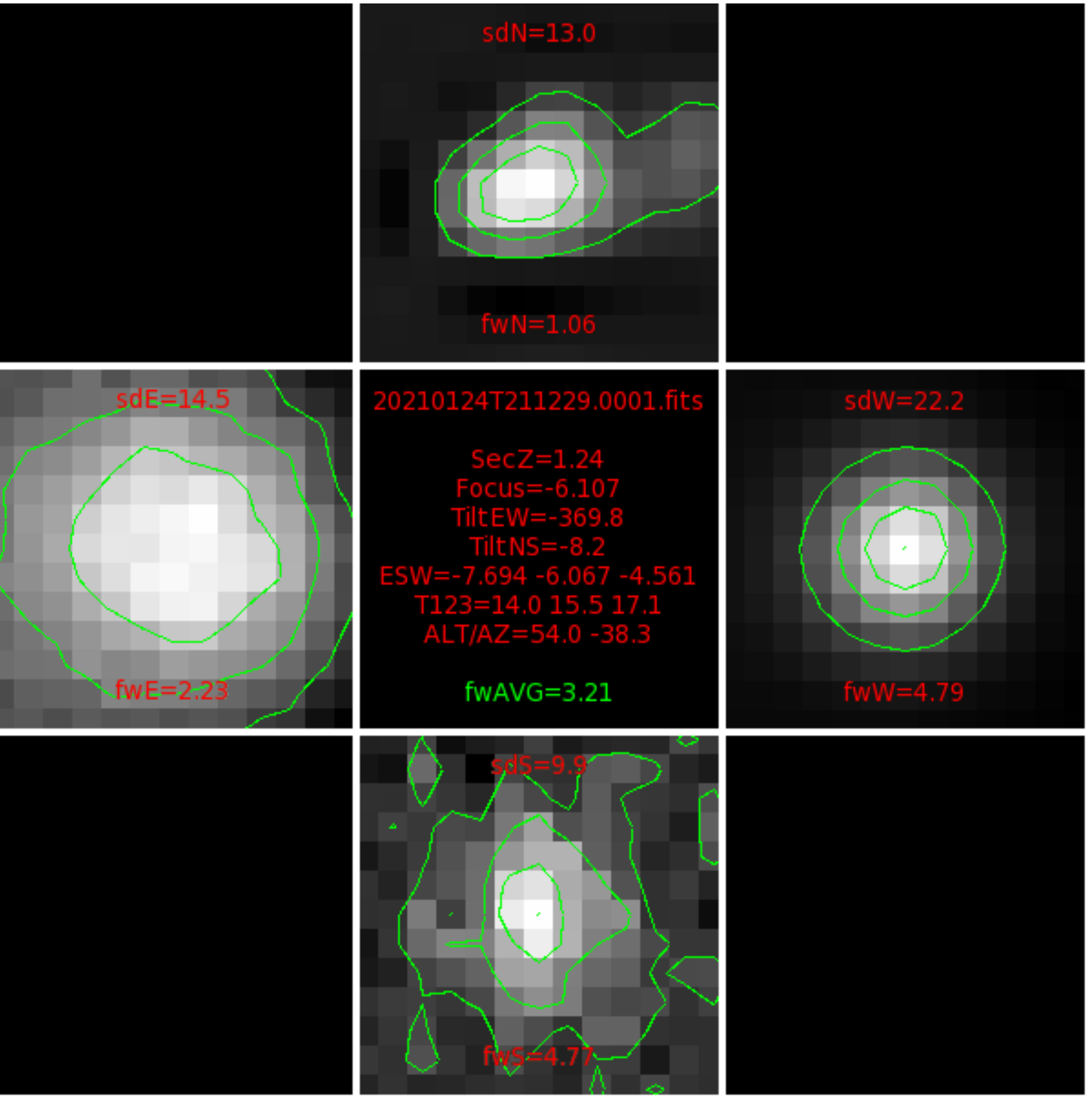
sdN=13.0
fwN=1.06
sdE=14.5
fwE=2.23
20210124T211229.0001.fits
SecZ=1.24
Focus=-6.107
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.694 -6.067 -4.561
T123=14.0 15.5 17.1
ALT/AZ=54.0 -38.3
fwAVG=3.21
sdW=22.2
fwW=4.79
sdS=9.9
fwS=4.77
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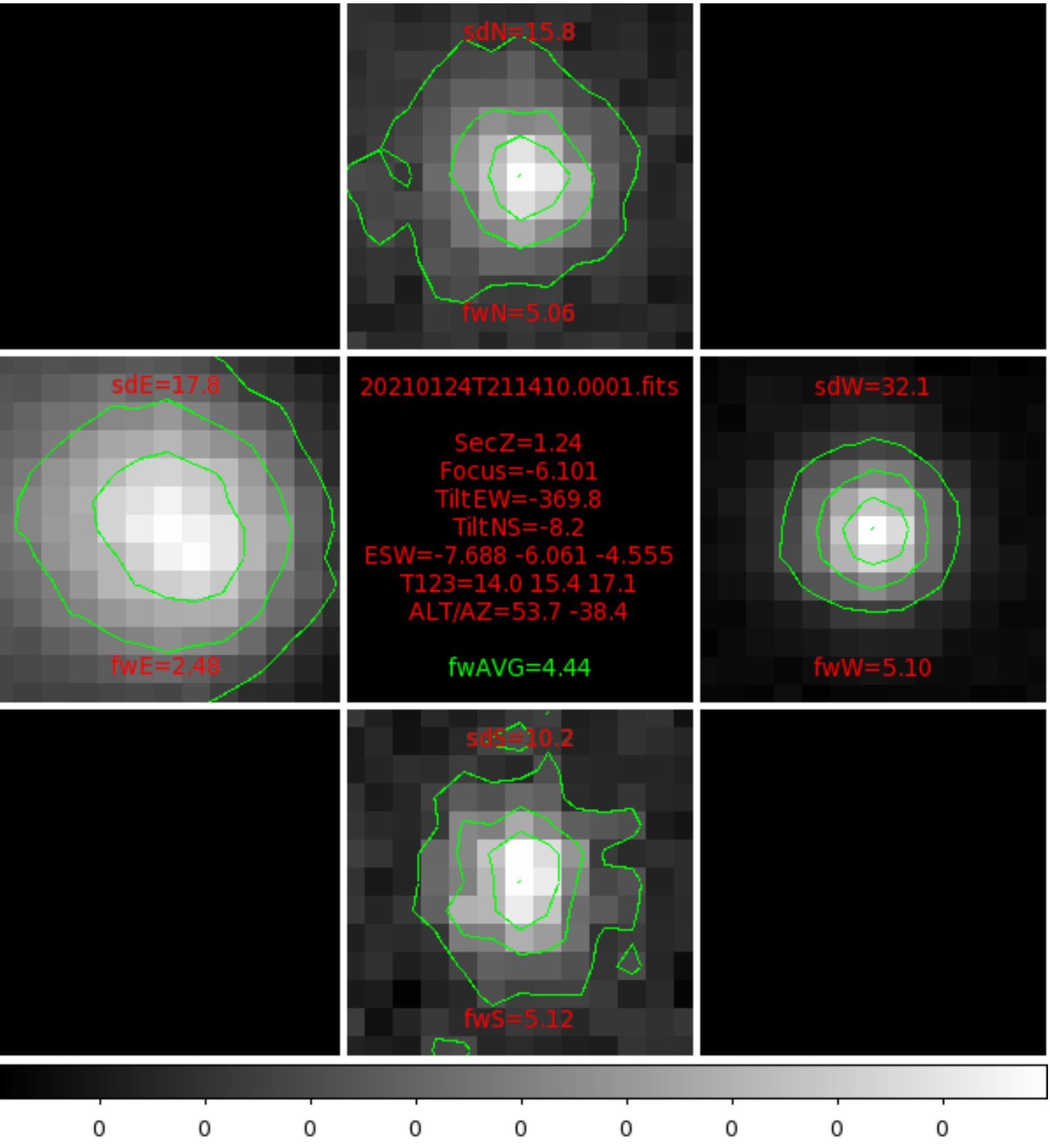
sdN=15.8
fwN=5.06
sdE=17.8
fwE=2.48
20210124T211410.0001.fits
SecZ=1.24
Focus=-6.101
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.688 -6.061 -4.555
T123=14.0 15.4 17.1
ALT/AZ=53.7 -38.4
fwAVG=4.44
sdW=32.1
fwW=5.10
sdS=10.2
fwS=5.12
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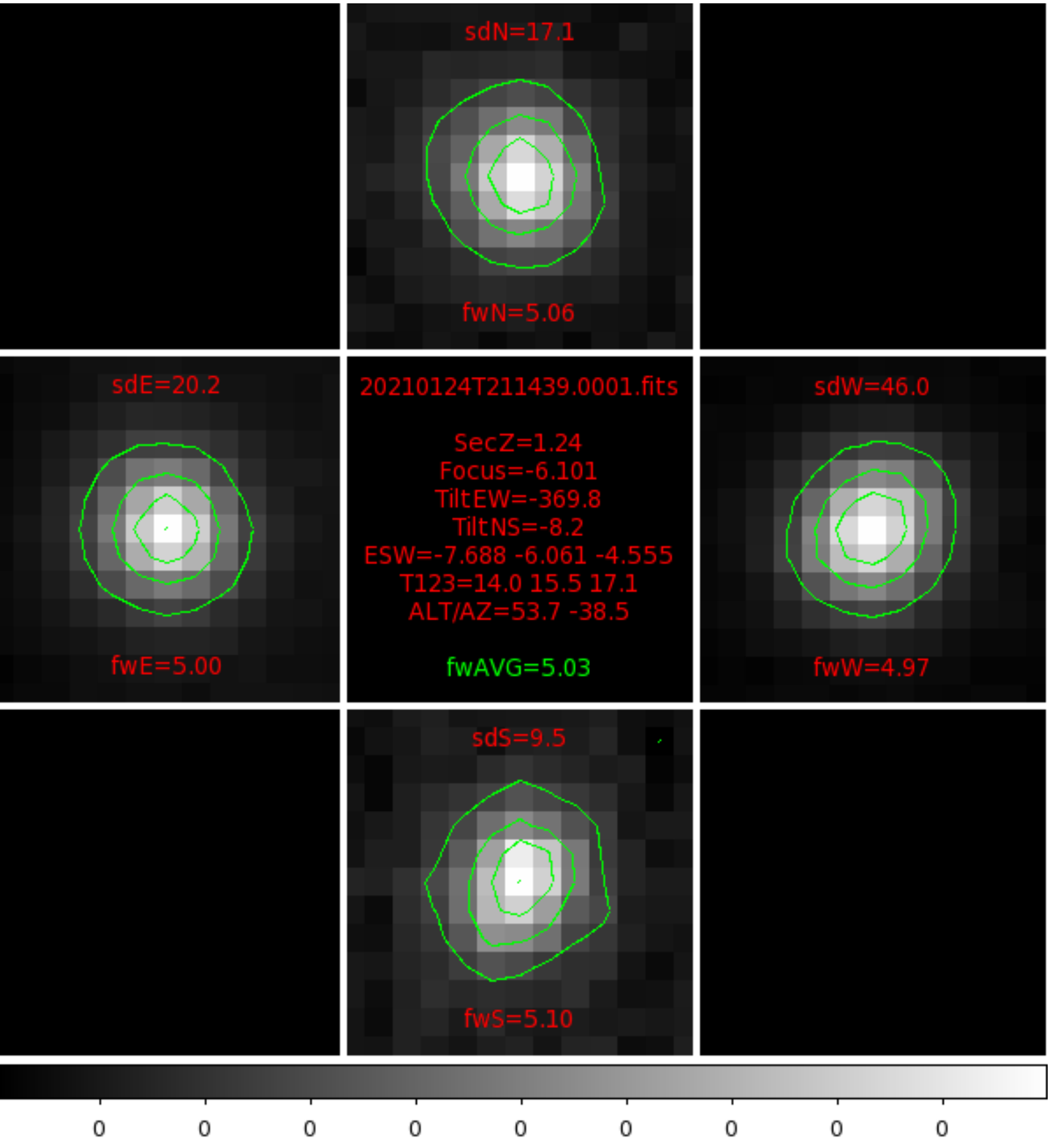
sdN=17.1
fwN=5.06
sdE=20.2
fwE=5.00
20210124T211439.0001.fits
SecZ=1.24
Focus=-6.101
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.688 -6.061 -4.555
T123=14.0 15.5 17.1
ALT/AZ=53.7 -38.5
fwAVG=5.03
sdW=46.0
fwW=4.97
sdS=9.5
fwS=5.10
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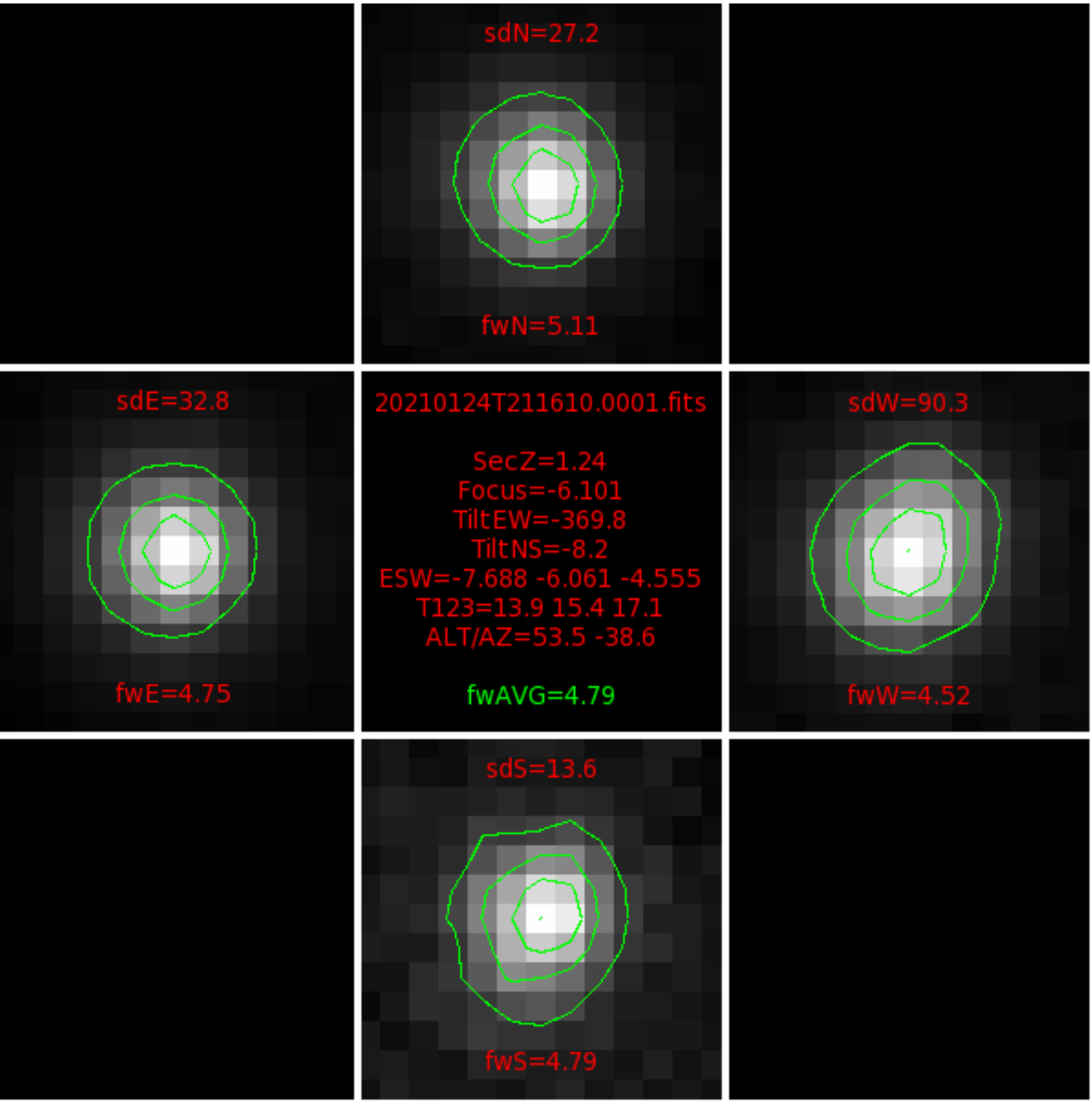
sdN=27.2
fwN=5.11
sdE=32.8
fwE=4.75
20210124T211610.0001.fits
SecZ=1.24
Focus=-6.101
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.688 -6.061 -4.555
T123=13.9 15.4 17.1
ALT/AZ=53.5 -38.6
fwAVG=4.79
sdW=90.3
fwW=4.52
sdS=13.6
fwS=4.79
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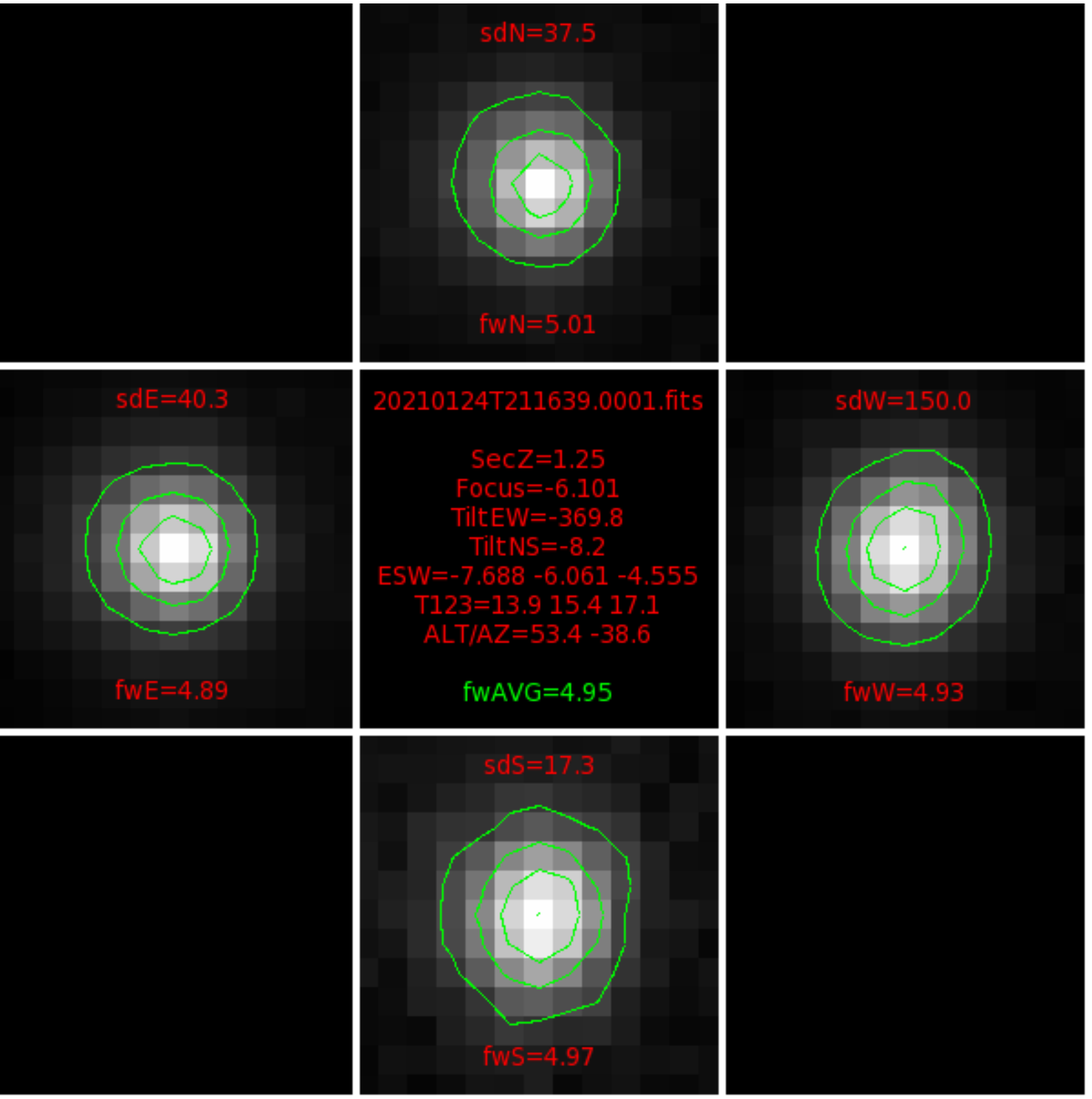
sdN=37.5
fwN=5.01
sdE=40.3
fwE=4.89
20210124T211639.0001.fits
SecZ=1.25
Focus=-6.101
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.688 -6.061 -4.555
T123=13.9 15.4 17.1
ALT/AZ=53.4 -38.6
fwAVG=4.95
sdW=150.0
fwW=4.93
sdS=17.3
fwS=4.97
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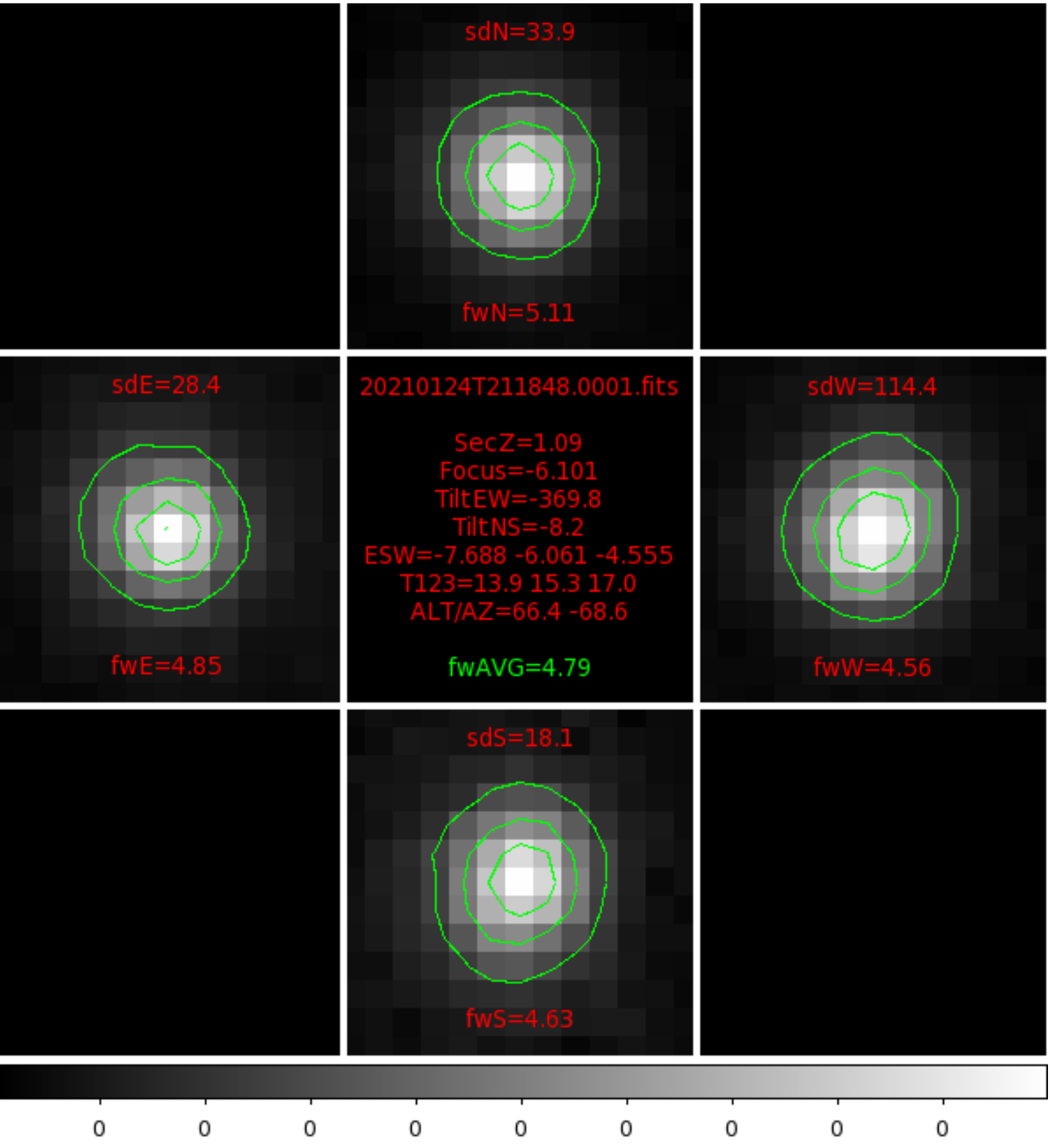
sdN=33.9
fwN=5.11
sdE=28.4
fwE=4.85
20210124T211848.0001.fits
SecZ=1.09
Focus=-6.101
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.688 -6.061 -4.555
T123=13.9 15.3 17.0
ALT/AZ=66.4 -68.6
fwAVG=4.79
sdW=114.4
fwW=4.56
sdS=18.1
fwS=4.63
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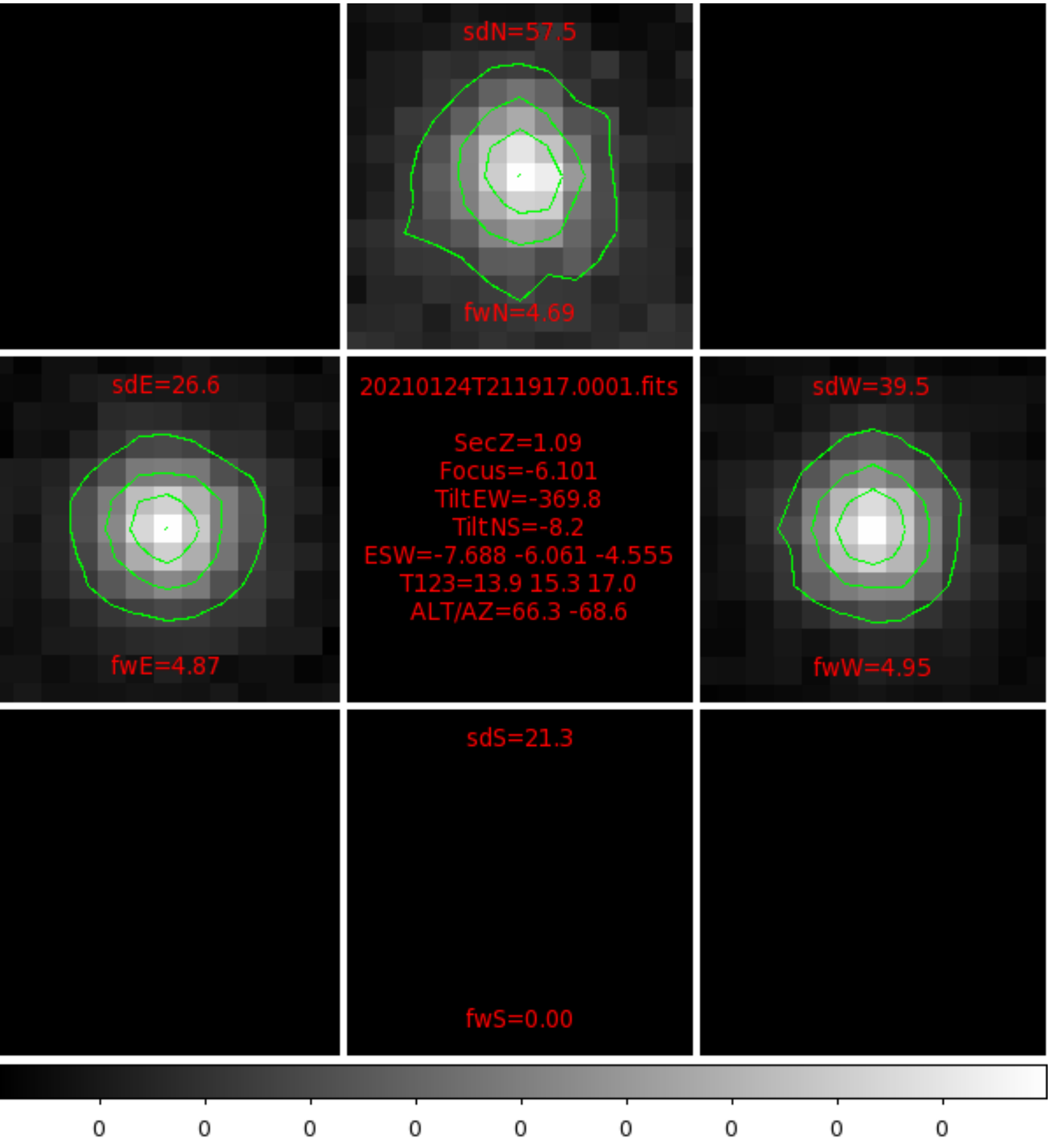
sdN=57.5
fwN=4.69
sdE=26.6
fwE=4.87
20210124T211917.0001.fits
SecZ=1.09
Focus=-6.101
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.688 -6.061 -4.555
T123=13.9 15.3 17.0
ALT/AZ=66.3 -68.6
sdW=39.5
fwW=4.95
sdS=21.3
fwS=0.00
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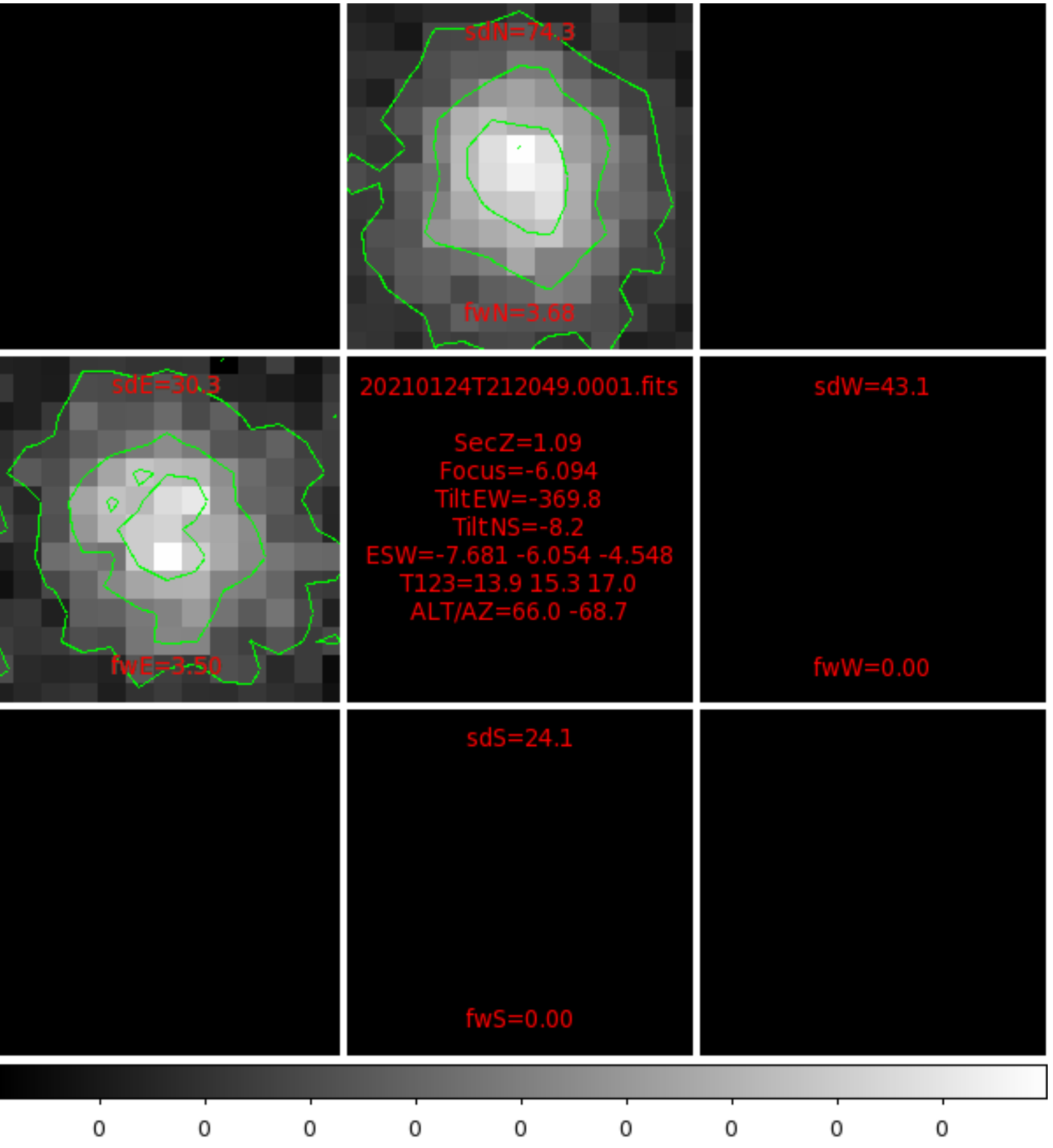
sdN=74.3
fwN=3.68
sdE=30.3
fwE=3.50
20210124T212049.0001.fits
SecZ=1.09
Focus=-6.094
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.681 -6.054 -4.548
T123=13.9 15.3 17.0
ALT/AZ=66.0 -68.7
sdW=43.1
fwW=0.00
sdS=24.1
fwS=0.00
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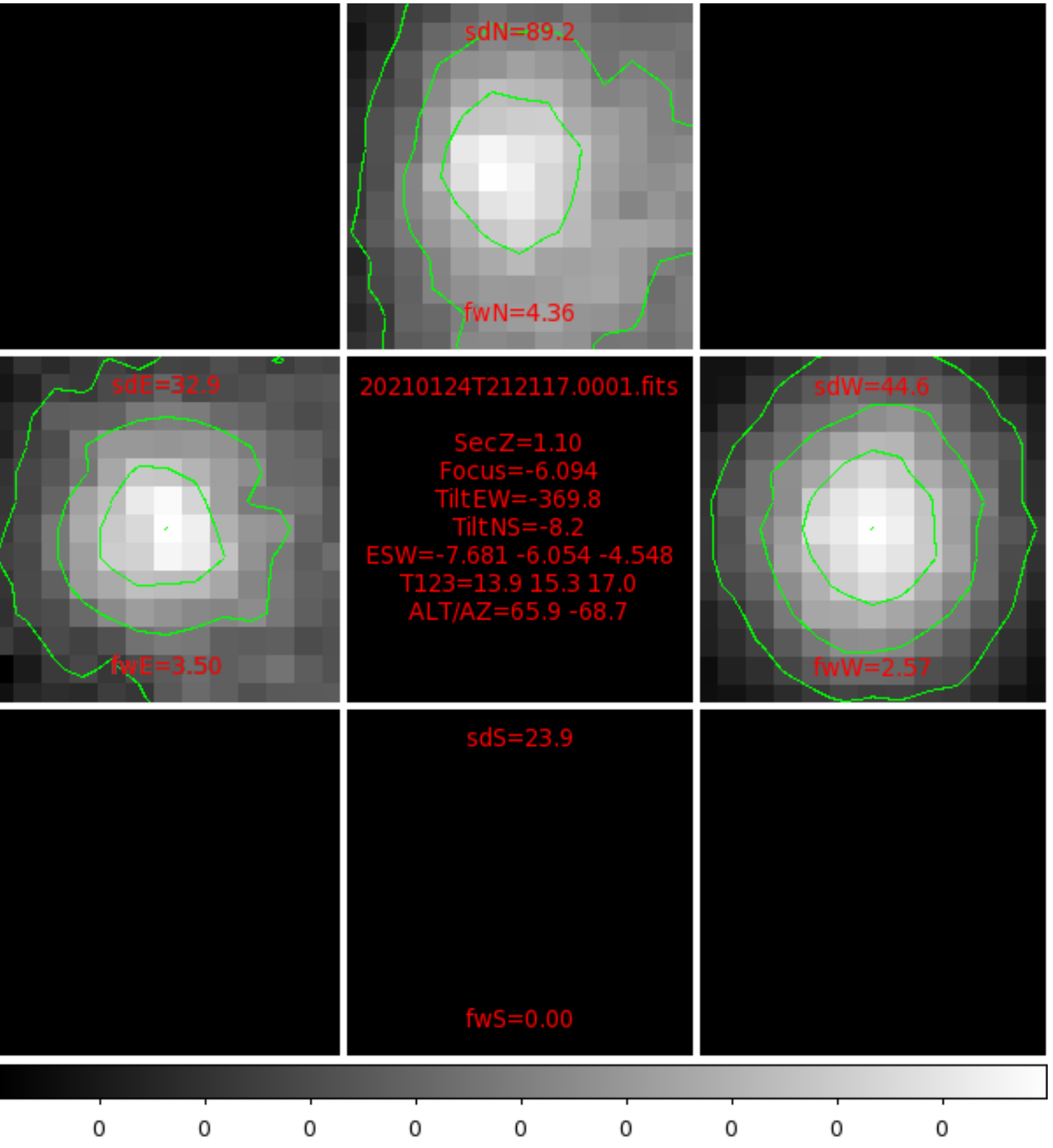
sdN=89.2
fwN=4.36
sdE=32.9
fwE=3.50
20210124T212117.0001.fits
SecZ=1.10
Focus=-6.094
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.681 -6.054 -4.548
T123=13.9 15.3 17.0
ALT/AZ=65.9 -68.7
sdW=44.6
fwW=2.57
sdS=23.9
fwS=0.00
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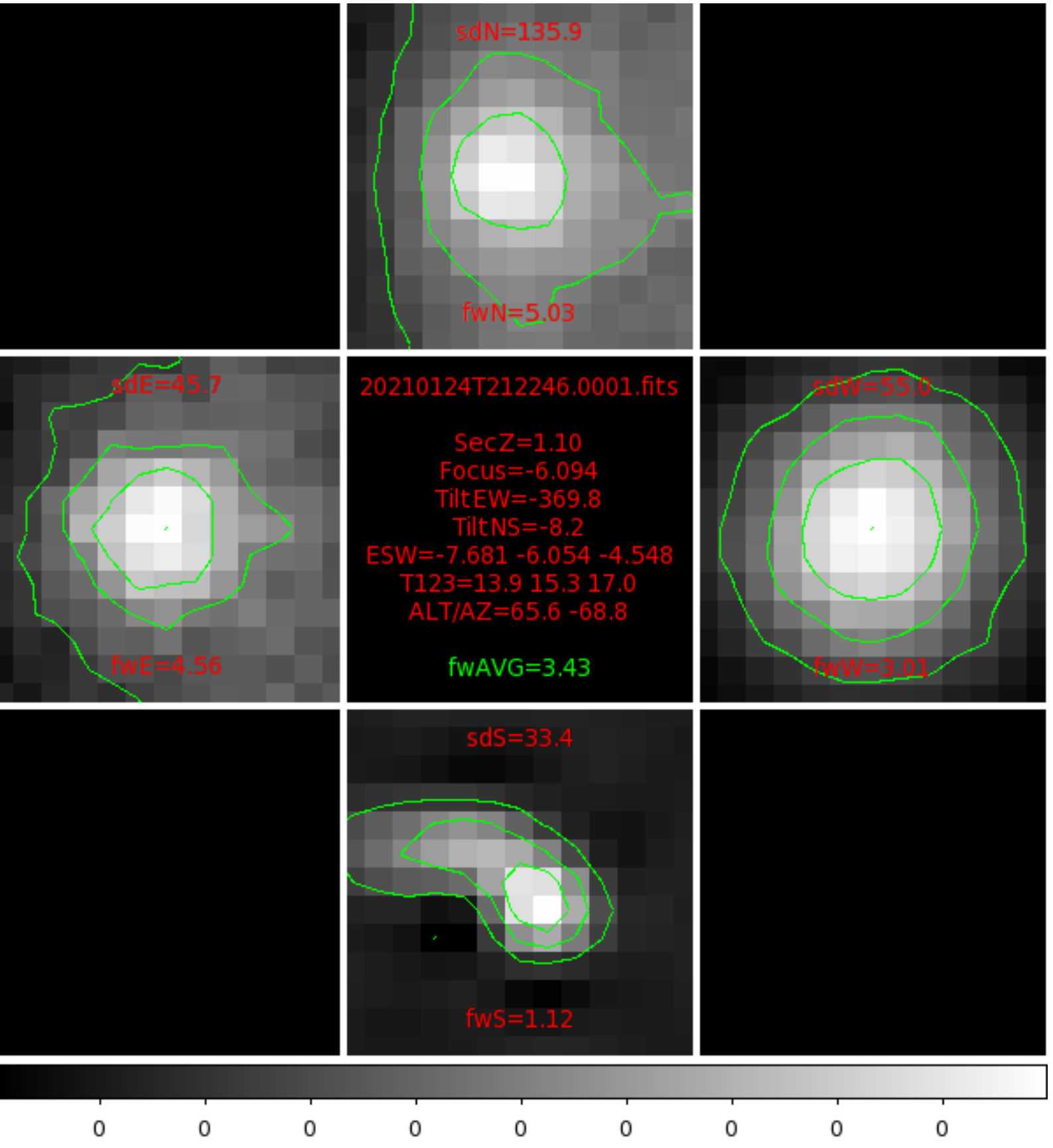
sdN=135.9
fwN=5.03
sdE=45.7
fwE=4.56
20210124T212246.0001.fits
SecZ=1.10
Focus=-6.094
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.681 -6.054 -4.548
T123=13.9 15.3 17.0
ALT/AZ=65.6 -68.8
fwAVG=3.43
sdW=55.0
fwW=3.01
sdS=33.4
fwS=1.12
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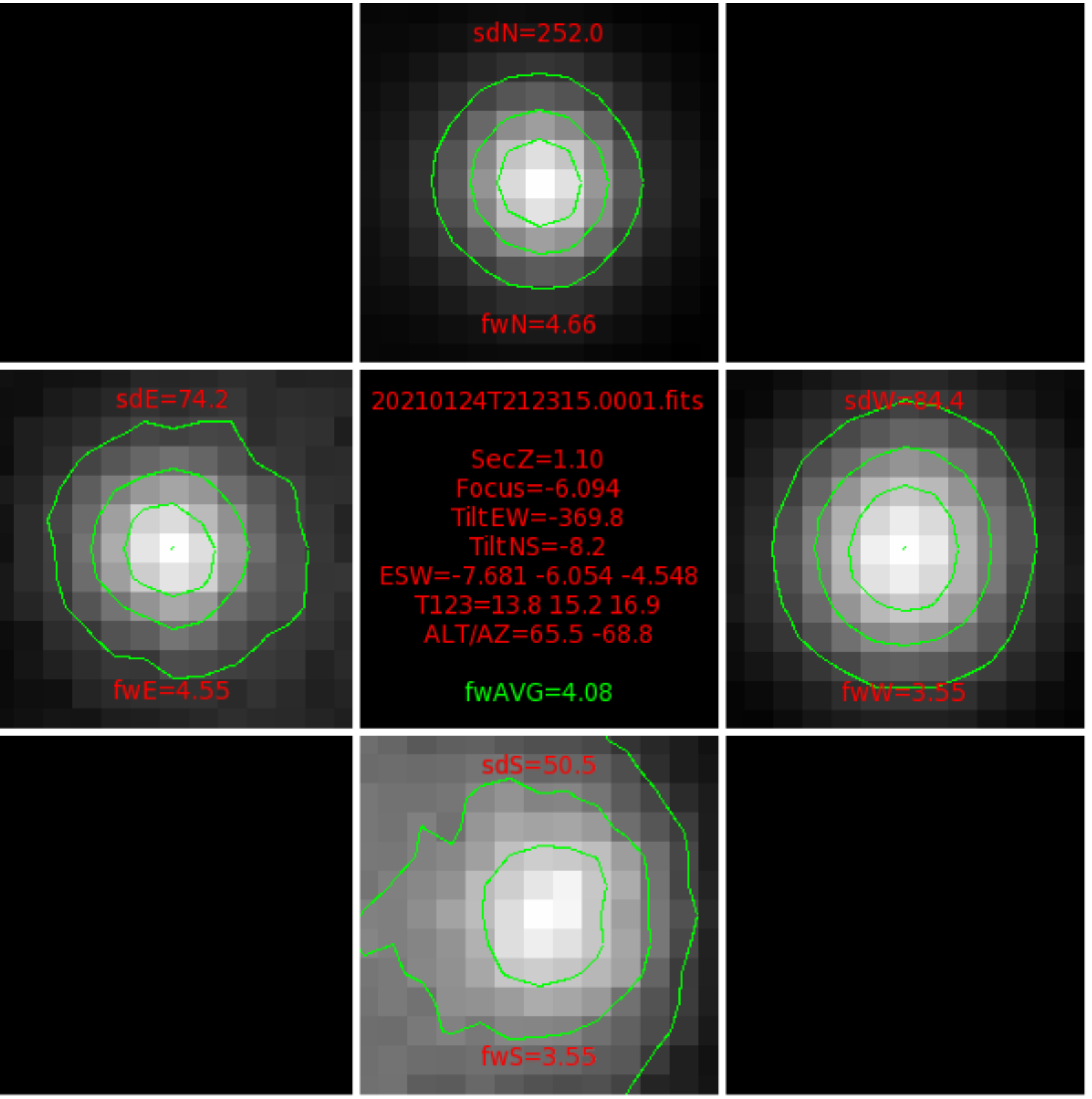
sdN=252.0
fwN=4.66
sdE=74.2
fwE=4.55
20210124T212315.0001.fits
SecZ=1.10
Focus=-6.094
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.681 -6.054 -4.548
T123=13.8 15.2 16.9
ALT/AZ=65.5 -68.8
fwAVG=4.08
sdW=84.4
fwW=3.55
sdS=50.5
fwS=3.55
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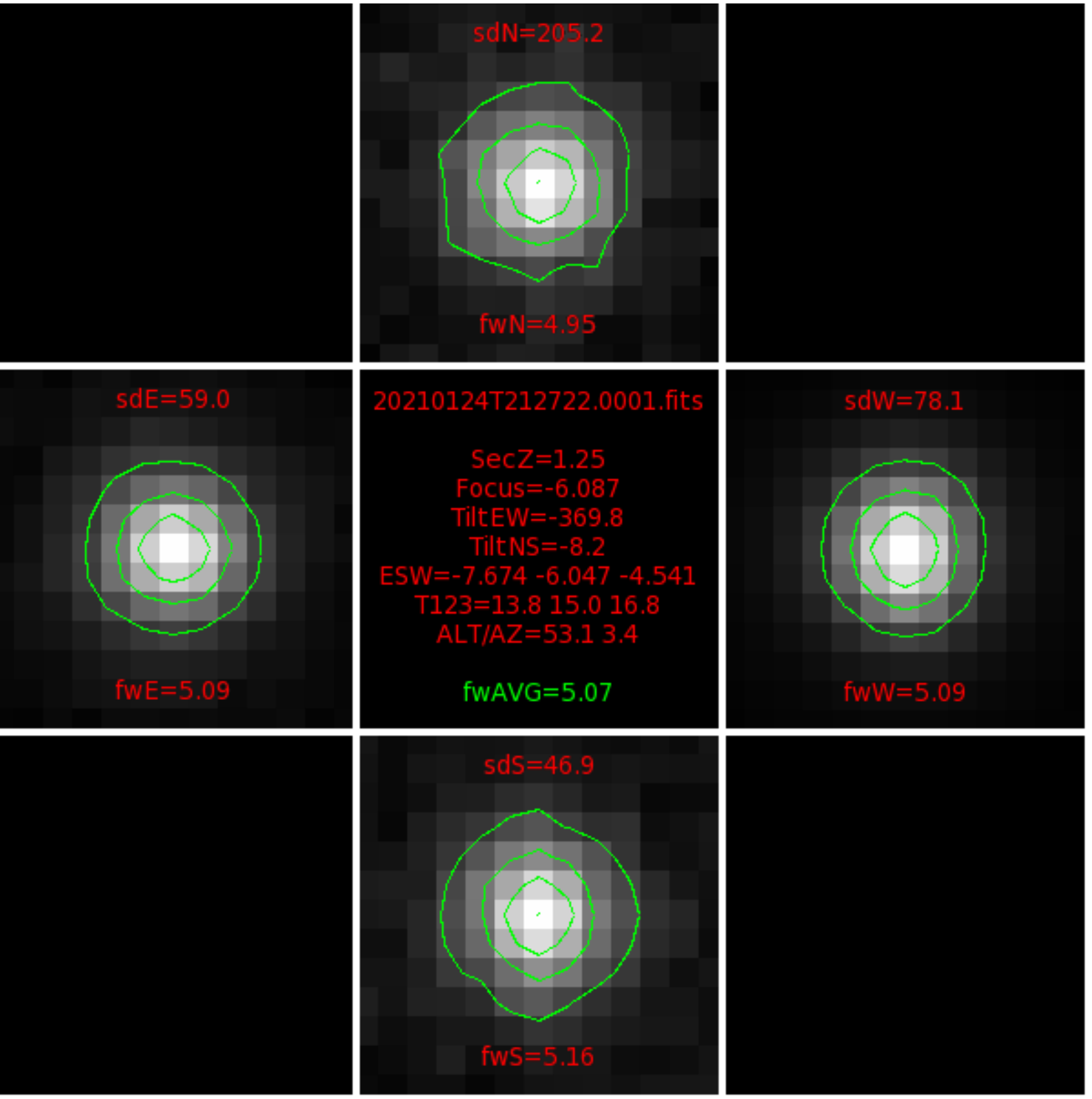
sdN=205.2
fwN=4.95
sdE=59.0
fwE=5.09
20210124T212722.0001.fits
SecZ=1.25
Focus=-6.087
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.674 -6.047 -4.541
T123=13.8 15.0 16.8
ALT/AZ=53.1 3.4
fwAVG=5.07
sdW=78.1
fwW=5.09
sdS=46.9
fwS=5.16
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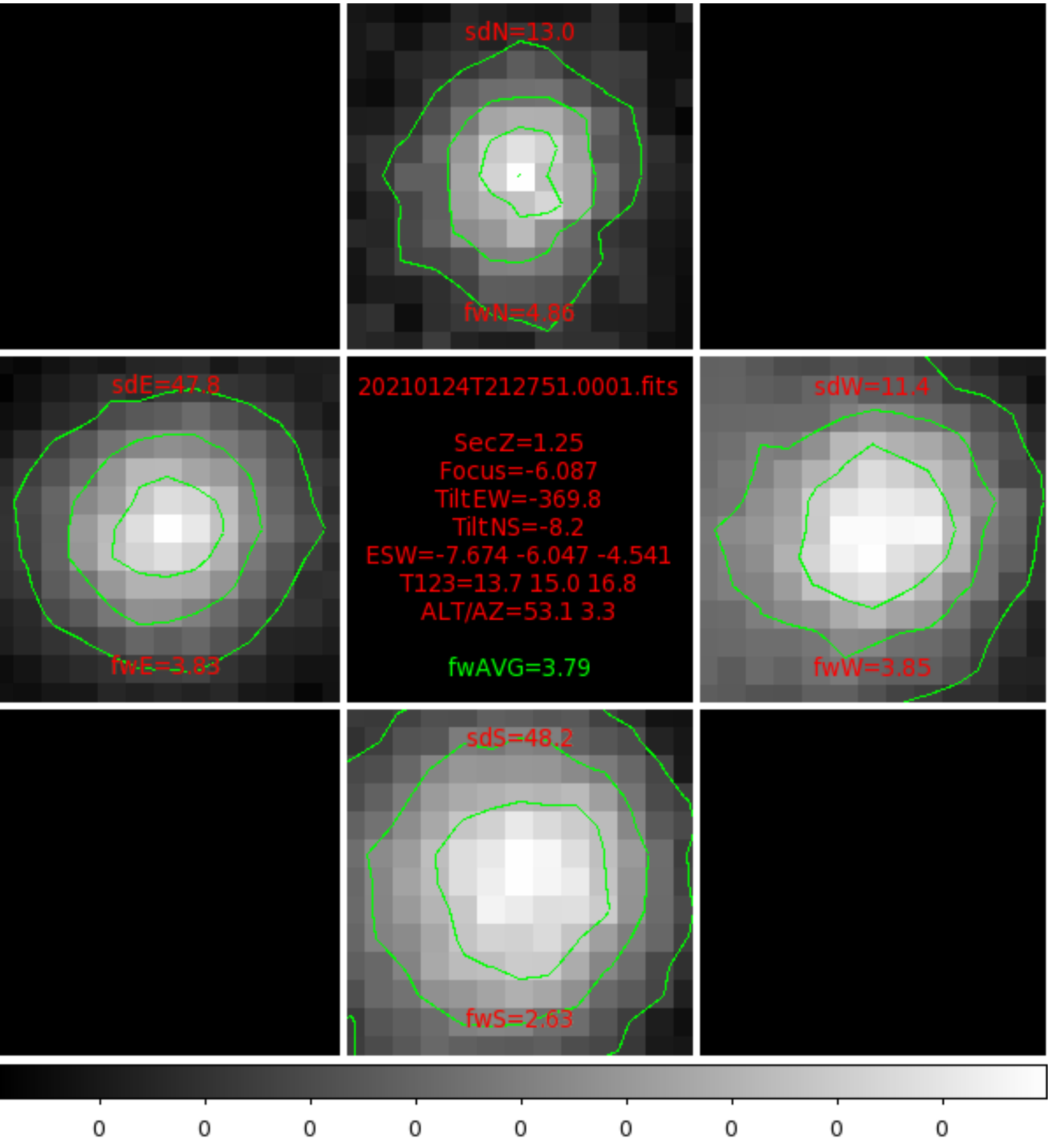
sdN=13.0
fwN=4.86
sdE=47.8
fwE=3.83
20210124T212751.0001.fits
SecZ=1.25
Focus=-6.087
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.674 -6.047 -4.541
T123=13.7 15.0 16.8
ALT/AZ=53.1 3.3
fwAVG=3.79
sdW=11.4
fwW=3.85
sdS=48.2
fwS=2.63
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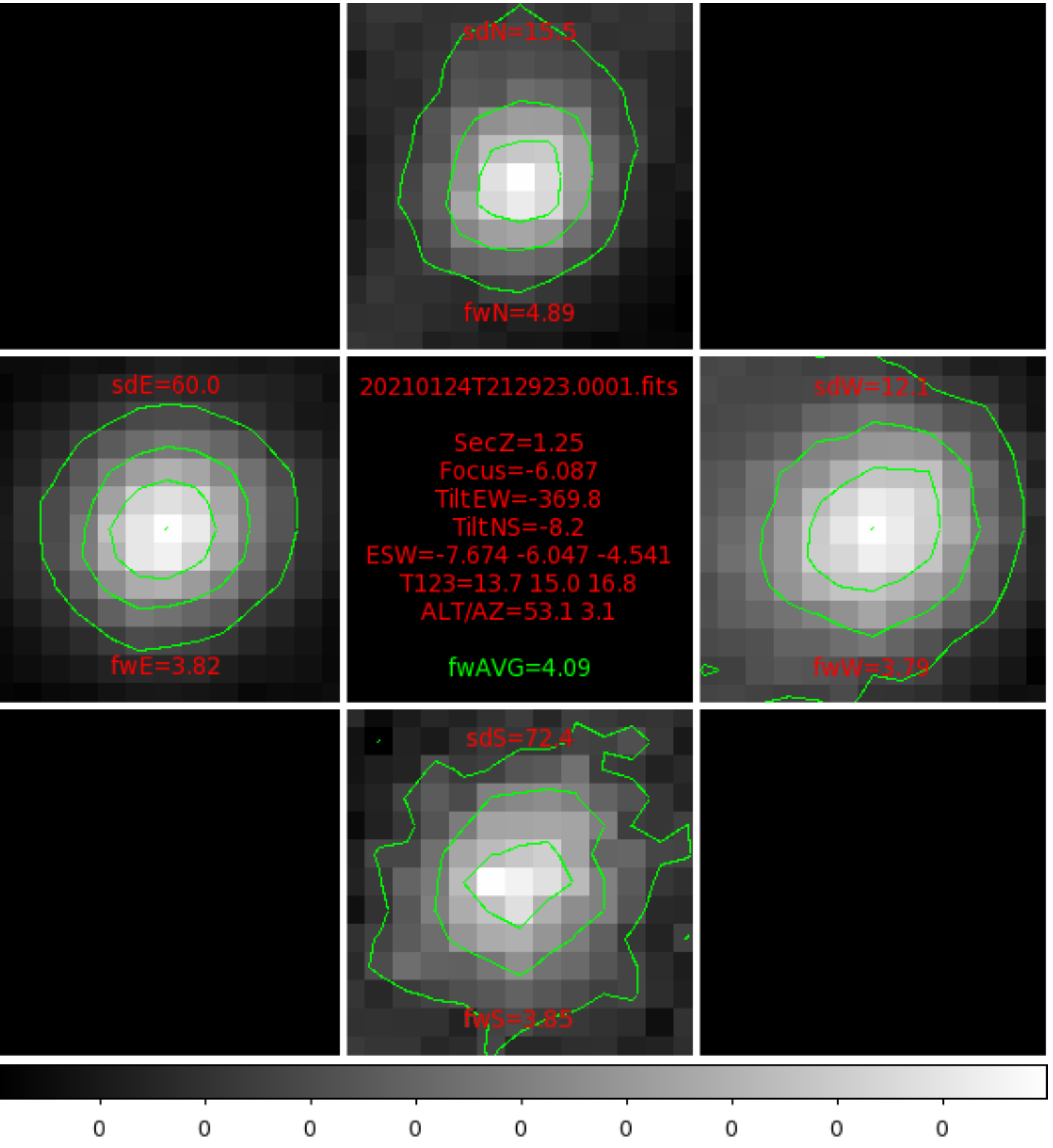
sdN=15.5
fwN=4.89
sdE=60.0
fwE=3.82
20210124T212923.0001.fits
SecZ=1.25
Focus=-6.087
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.674 -6.047 -4.541
T123=13.7 15.0 16.8
ALT/AZ=53.1 3.1
fwAVG=4.09
sdW=12.1
fwW=3.79
sdS=72.4
fwS=3.85
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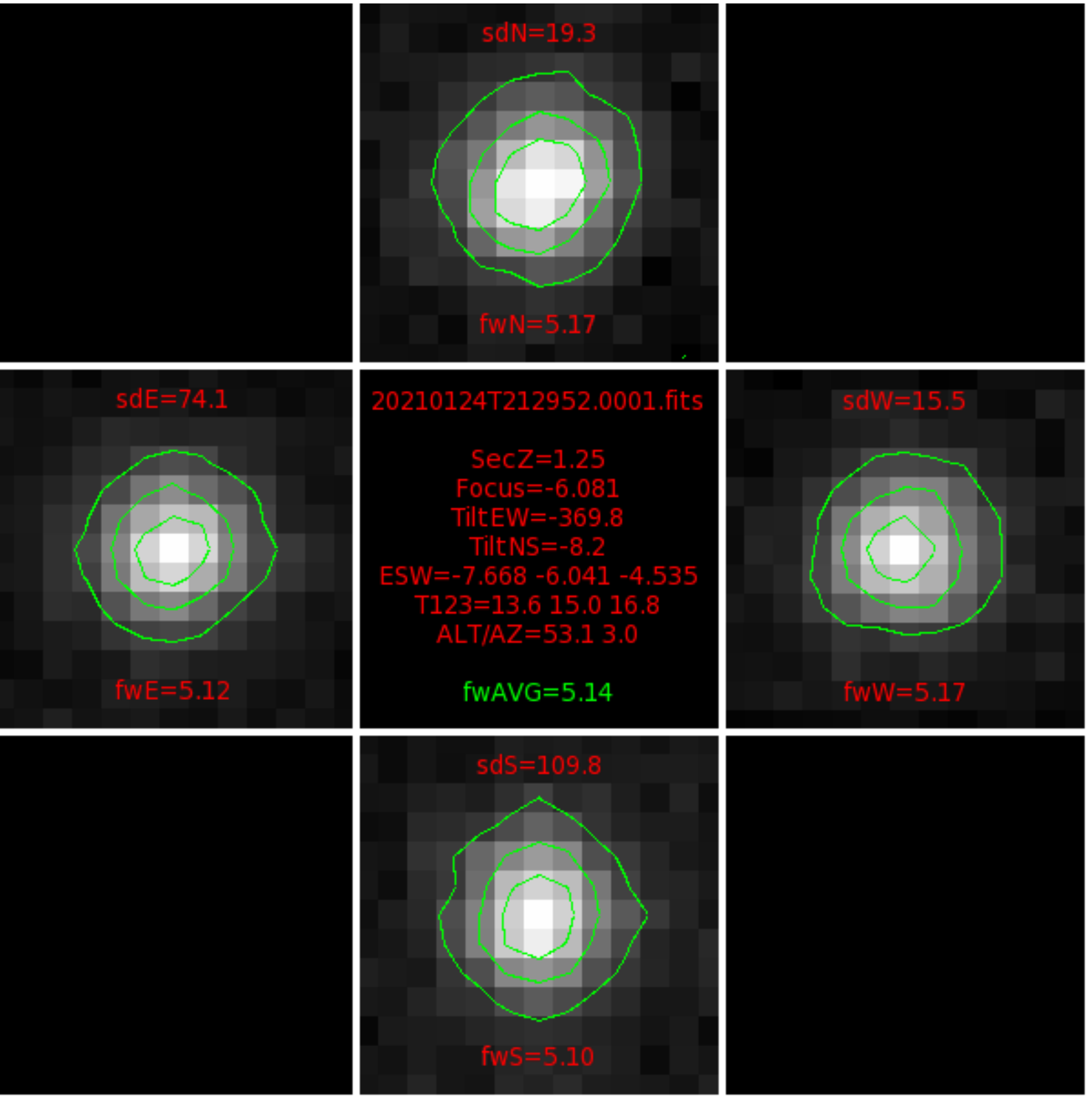
sdN=19.3
fwN=5.17
sdE=74.1
fwE=5.12
20210124T212952.0001.fits
SecZ=1.25
Focus=-6.081
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.668 -6.041 -4.535
T123=13.6 15.0 16.8
ALT/AZ=53.1 3.0
fwAVG=5.14
sdW=15.5
fwW=5.17
sdS=109.8
fwS=5.10
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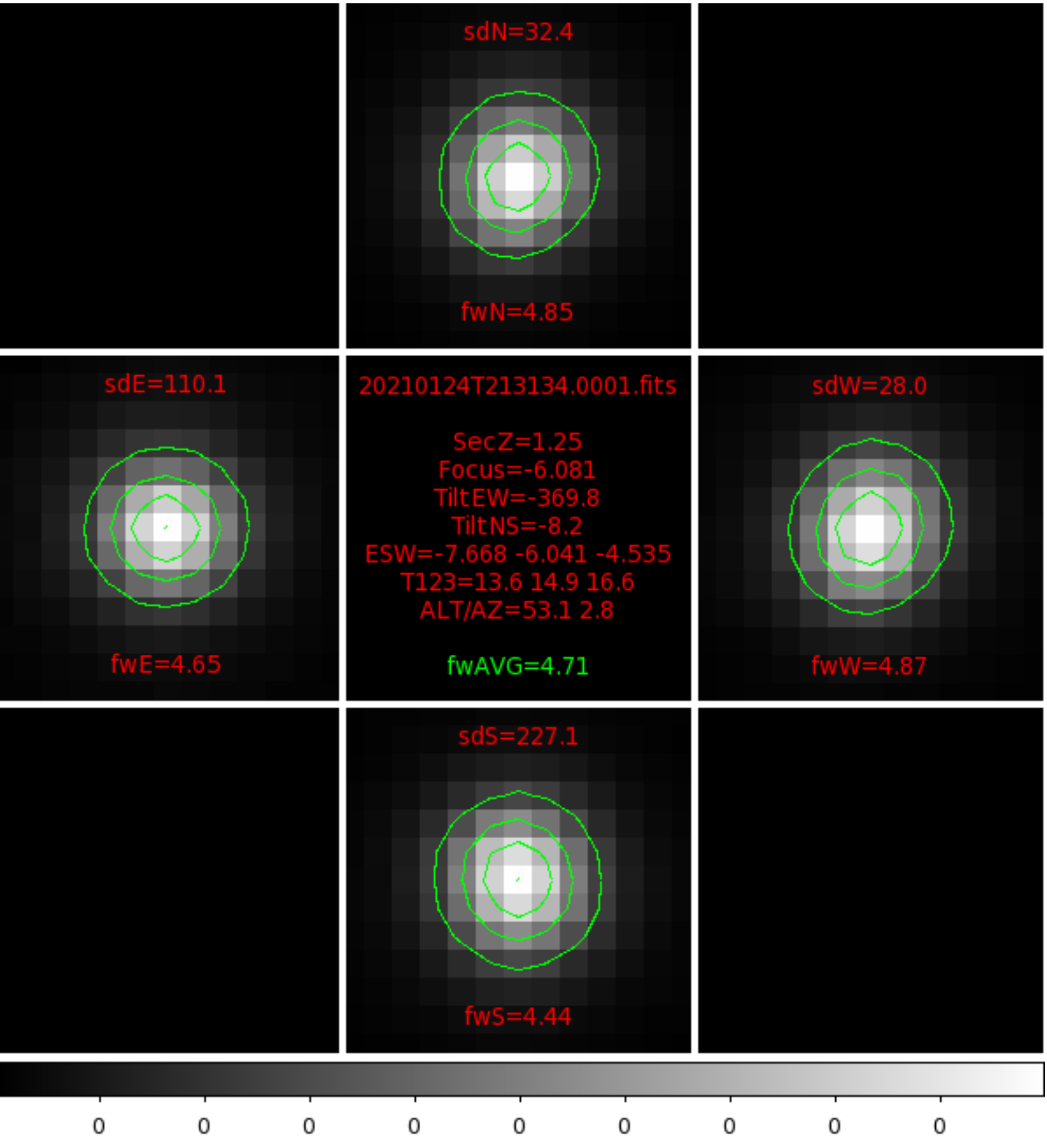
sdN=32.4
fwN=4.85
sdE=110.1
fwE=4.65
20210124T213134.0001.fits
SecZ=1.25
Focus=-6.081
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.668 -6.041 -4.535
T123=13.6 14.9 16.6
ALT/AZ=53.1 2.8
fwAVG=4.71
sdW=28.0
fwW=4.87
sdS=227.1
fwS=4.44
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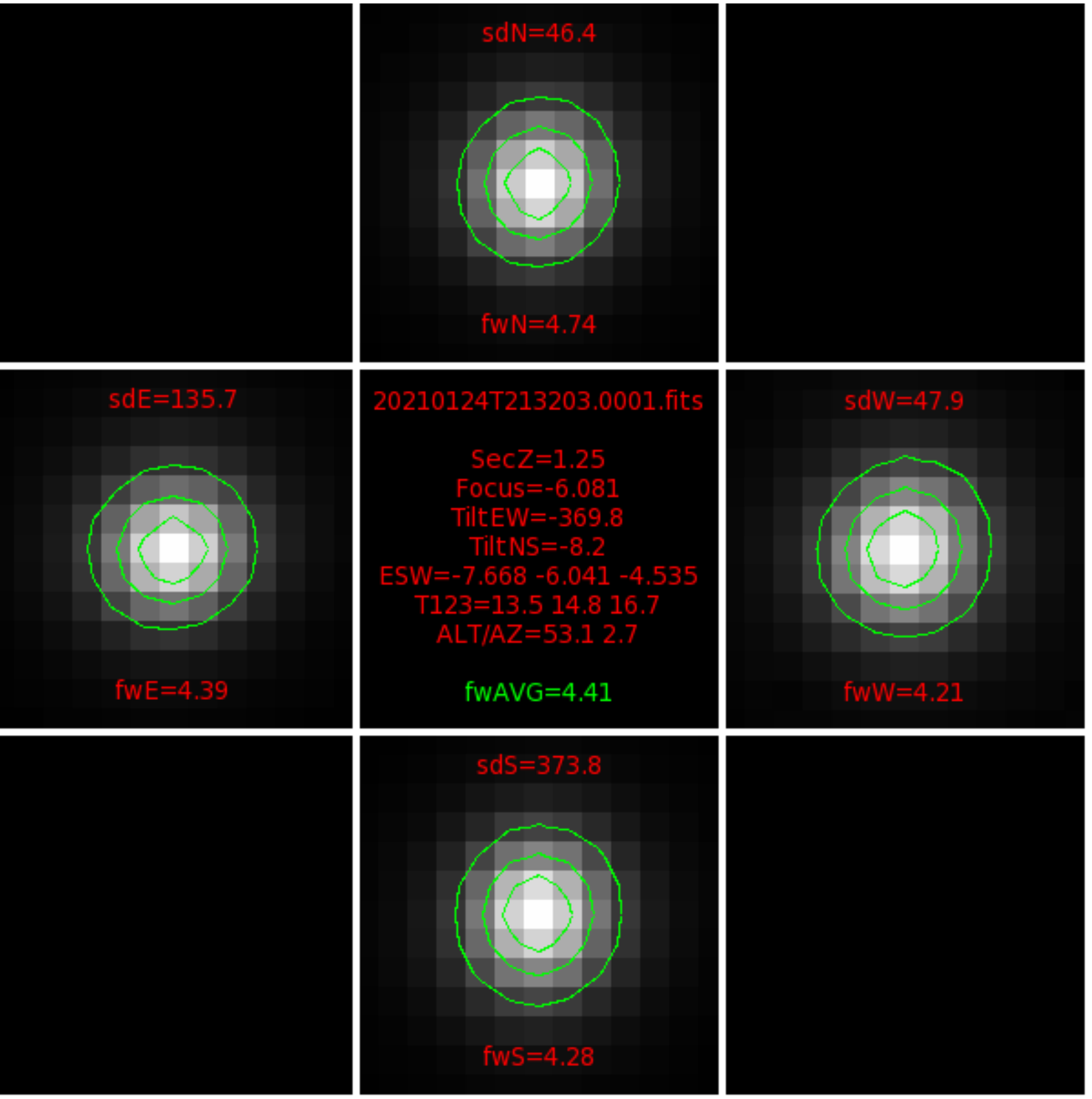
sdN=46.4
fwN=4.74
sdE=135.7
fwE=4.39
20210124T213203.0001.fits
SecZ=1.25
Focus=-6.081
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.668 -6.041 -4.535
T123=13.5 14.8 16.7
ALT/AZ=53.1 2.7
fwAVG=4.41
sdW=47.9
fwW=4.21
sdS=373.8
fwS=4.28
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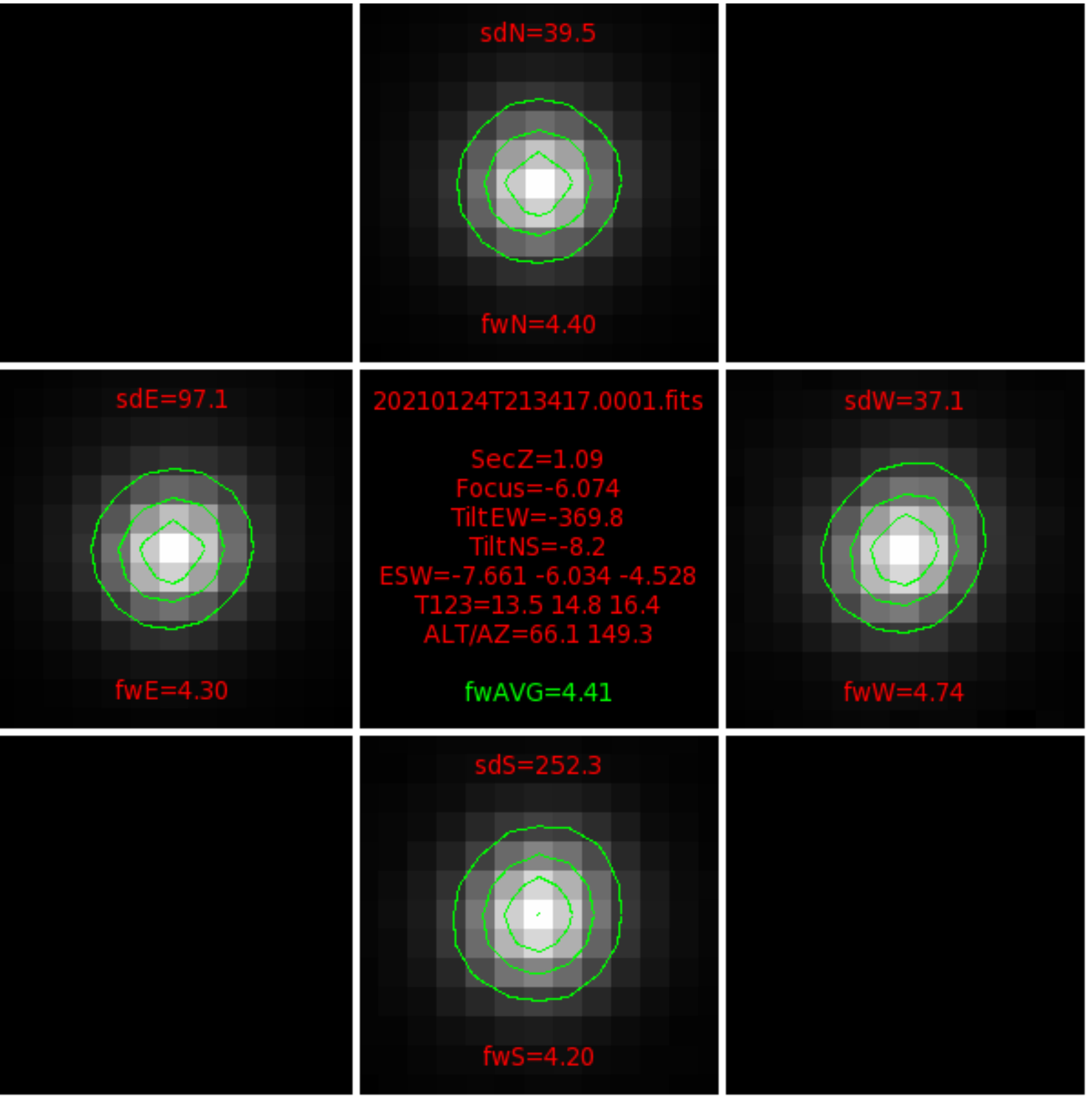
sdN=39.5
fwN=4.40
sdE=97.1
fwE=4.30
20210124T213417.0001.fits
SecZ=1.09
Focus=-6.074
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.661 -6.034 -4.528
T123=13.5 14.8 16.4
ALT/AZ=66.1 149.3
fwAVG=4.41
sdW=37.1
fwW=4.74
sdS=252.3
fwS=4.20
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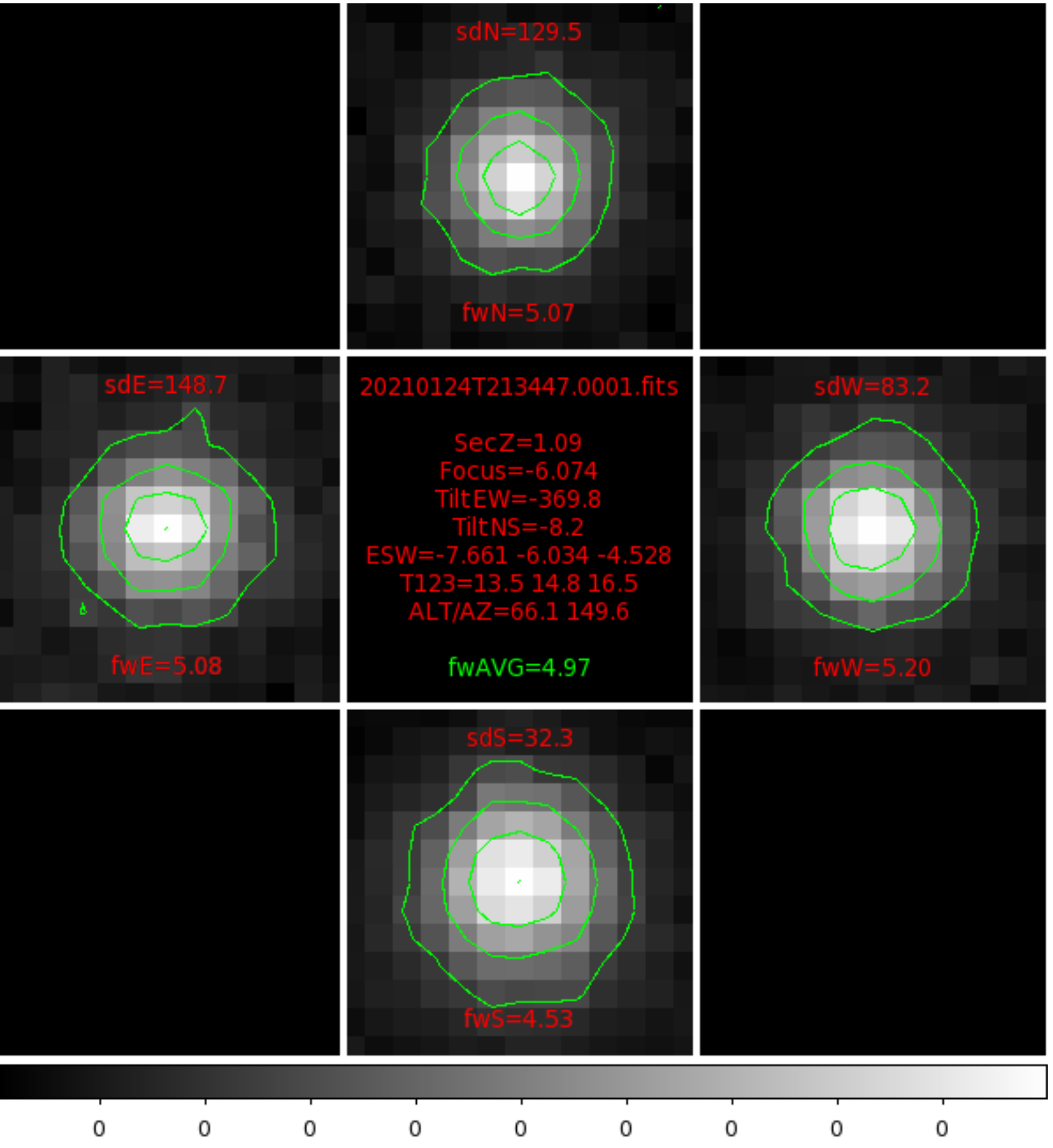
sdN=129.5
fwN=5.07
sdE=148.7
fwE=5.08
20210124T213447.0001.fits
SecZ=1.09
Focus=-6.074
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.661 -6.034 -4.528
T123=13.5 14.8 16.5
ALT/AZ=66.1 149.6
fwAVG=4.97
sdW=83.2
fwW=5.20
sdS=32.3
fwS=4.53
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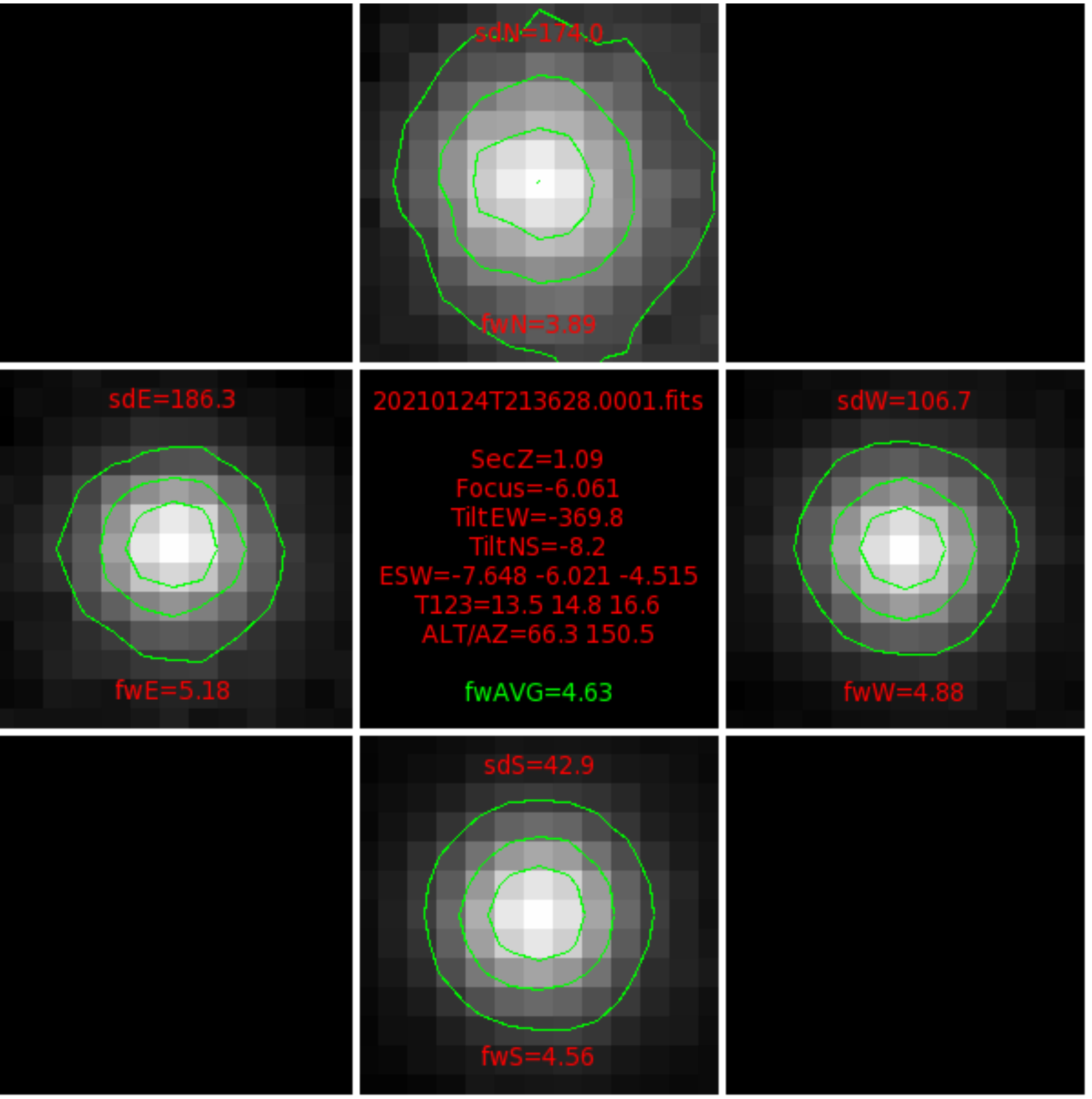
sdN=174.0
fwN=3.89
sdE=186.3
fwE=5.18
20210124T213628.0001.fits
SecZ=1.09
Focus=-6.061
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.648 -6.021 -4.515
T123=13.5 14.8 16.6
ALT/AZ=66.3 150.5
fwAVG=4.63
sdW=106.7
fwW=4.88
sdS=42.9
fwS=4.56
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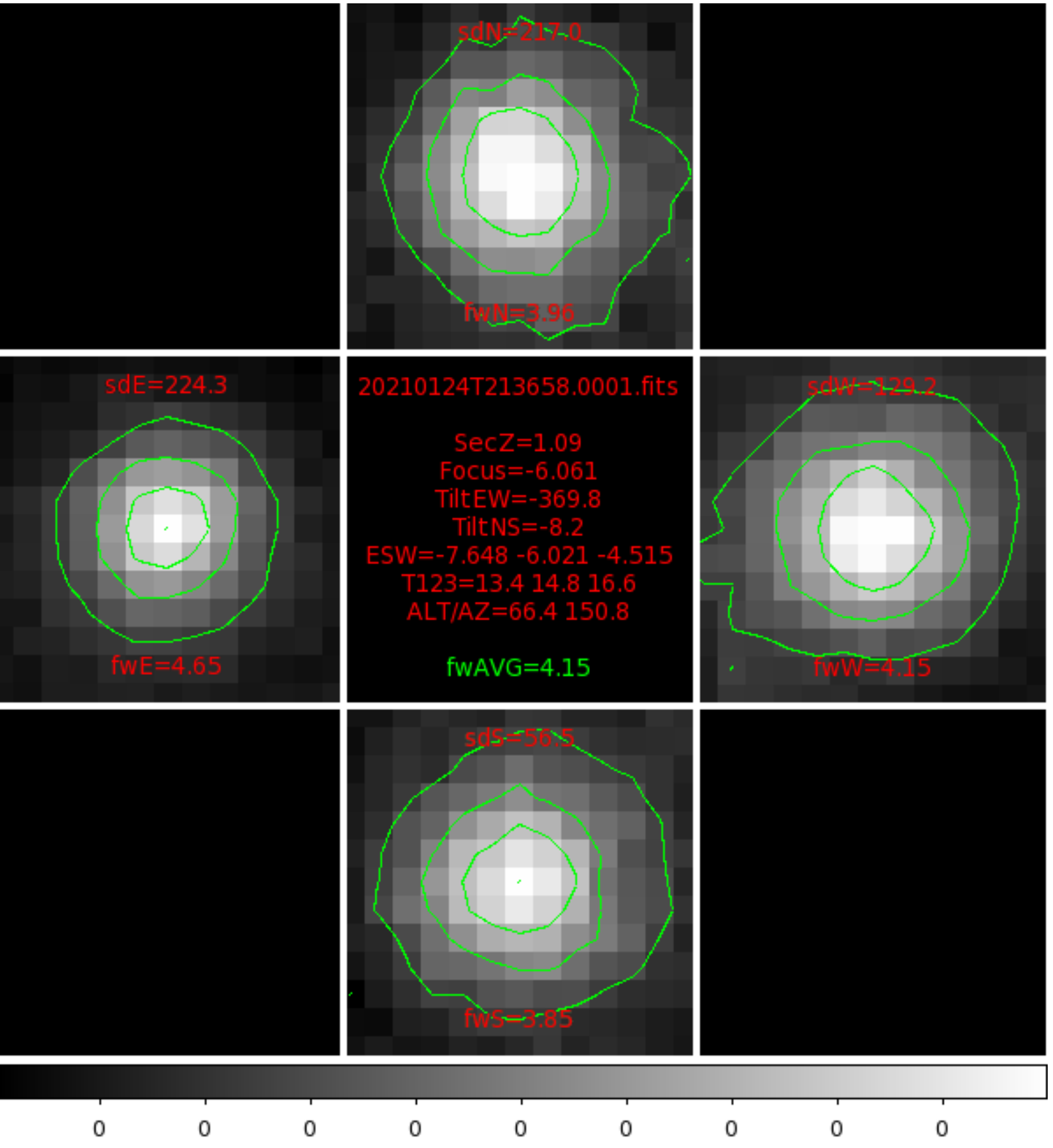
sdN=217.0
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sdE=224.3
fwE=4.65
20210124T213658.0001.fits
SecZ=1.09
Focus=-6.061
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.648 -6.021 -4.515
T123=13.4 14.8 16.6
ALT/AZ=66.4 150.8
fwAVG=4.15
sdW=129.2
fwW=4.15
sdS=56.5
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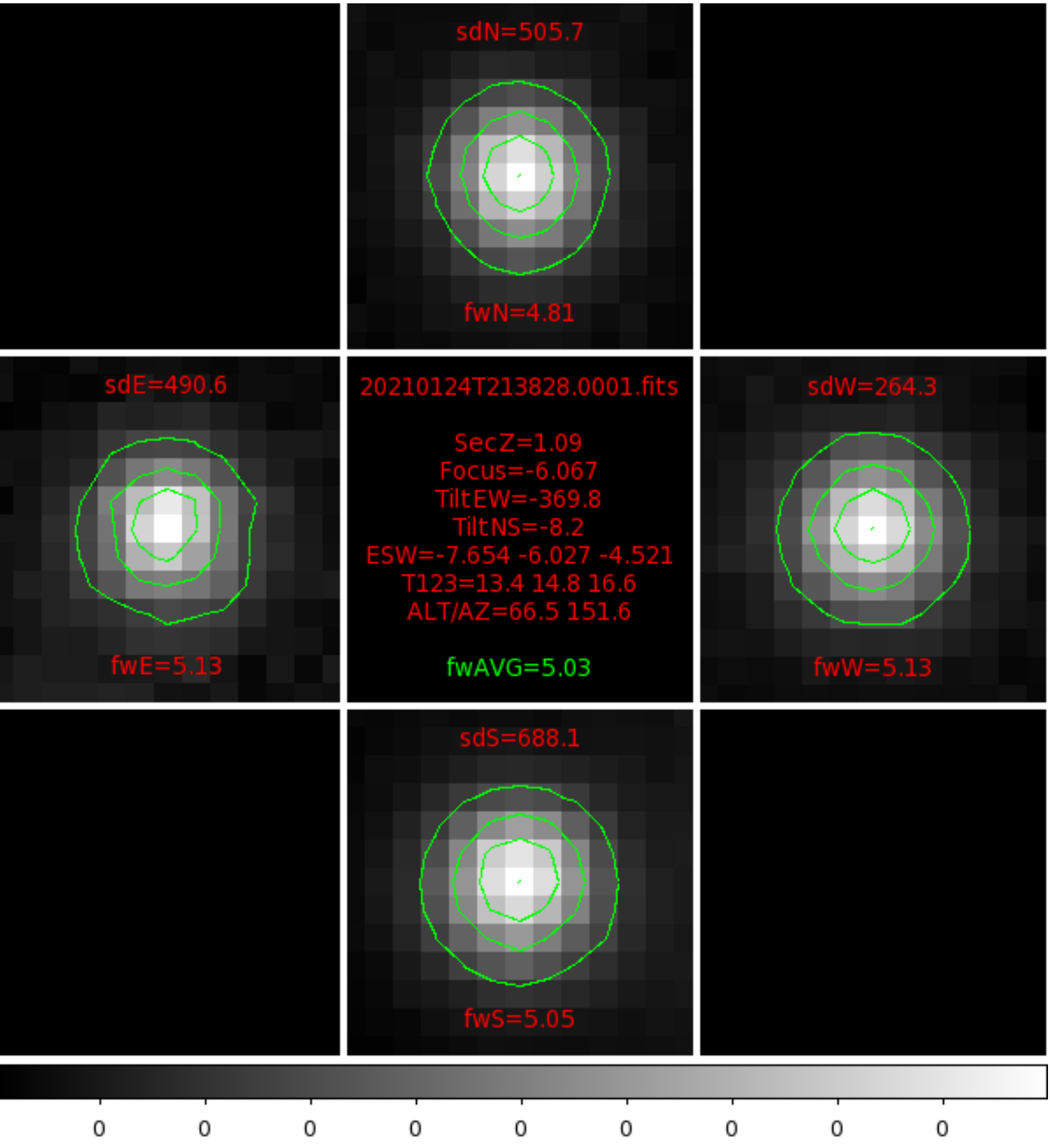
sdN=505.7
fwN=4.81
sdE=490.6
fwE=5.13
20210124T213828.0001.fits
SecZ=1.09
Focus=-6.067
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.654 -6.027 -4.521
T123=13.4 14.8 16.6
ALT/AZ=66.5 151.6
fwAVG=5.03
sdW=264.3
fwW=5.13
sdS=688.1
fwS=5.05
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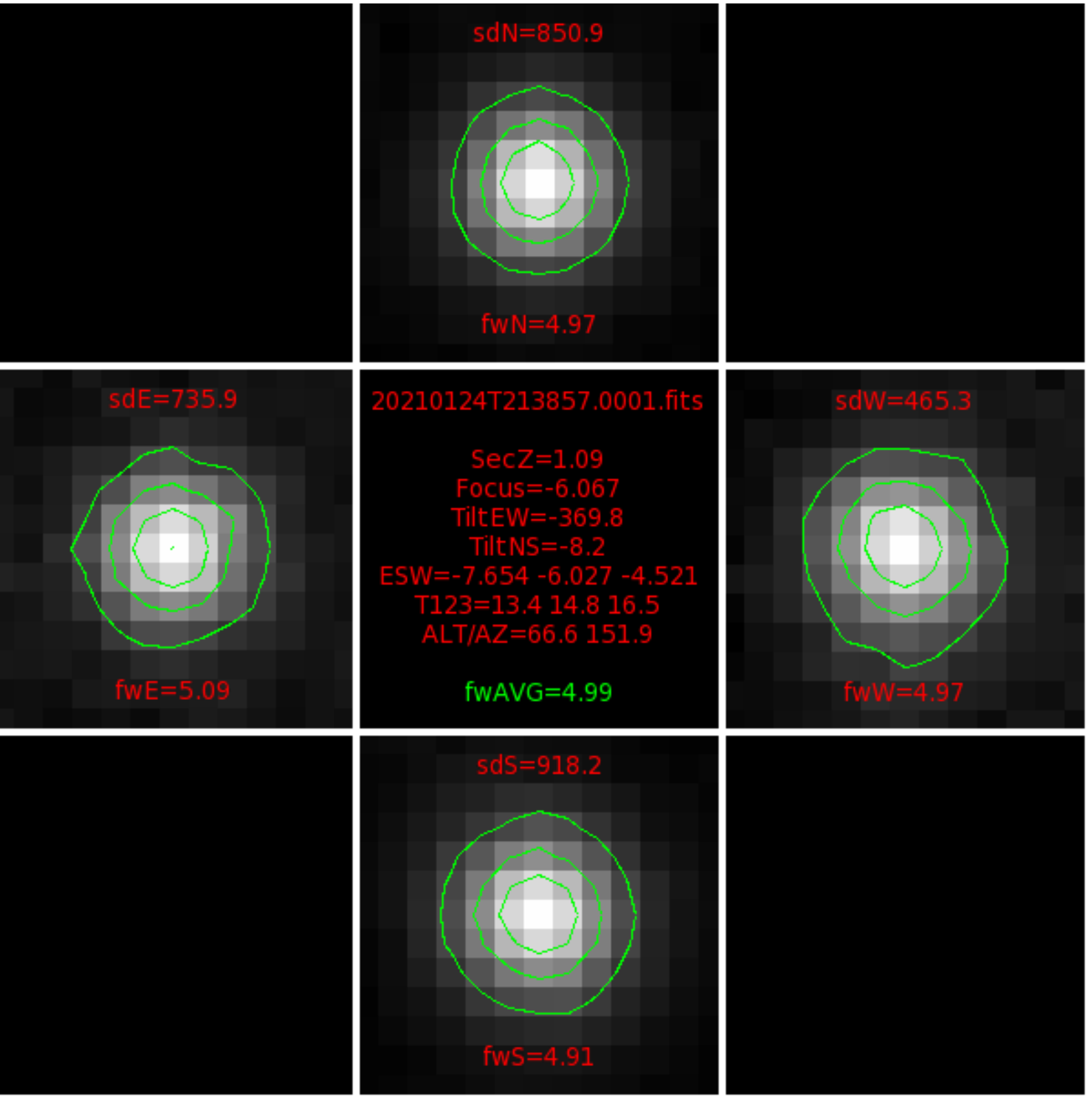
sdN=850.9
fwN=4.97
sdE=735.9
fwE=5.09
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SecZ=1.09
Focus=-6.067
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.654 -6.027 -4.521
T123=13.4 14.8 16.5
ALT/AZ=66.6 151.9
fwAVG=4.99
sdW=465.3
fwW=4.97
sdS=918.2
fwS=4.91
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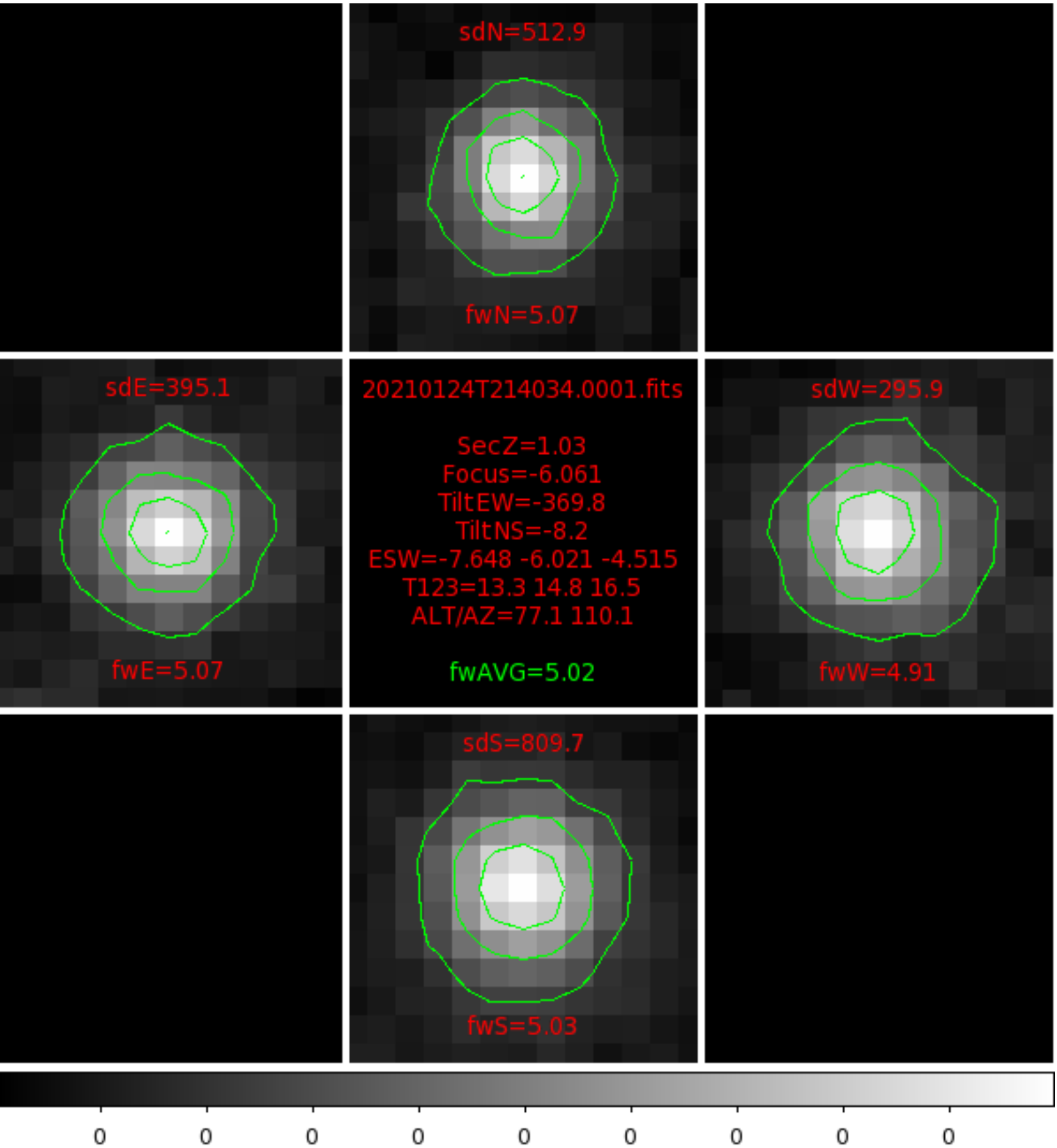
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sdE=395.1
fwE=5.07
20210124T214034.0001.fits
SecZ=1.03
Focus=-6.061
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.648 -6.021 -4.515
T123=13.3 14.8 16.5
ALT/AZ=77.1 110.1
fwAVG=5.02
sdW=295.9
fwW=4.91
sdS=809.7
fwS=5.03
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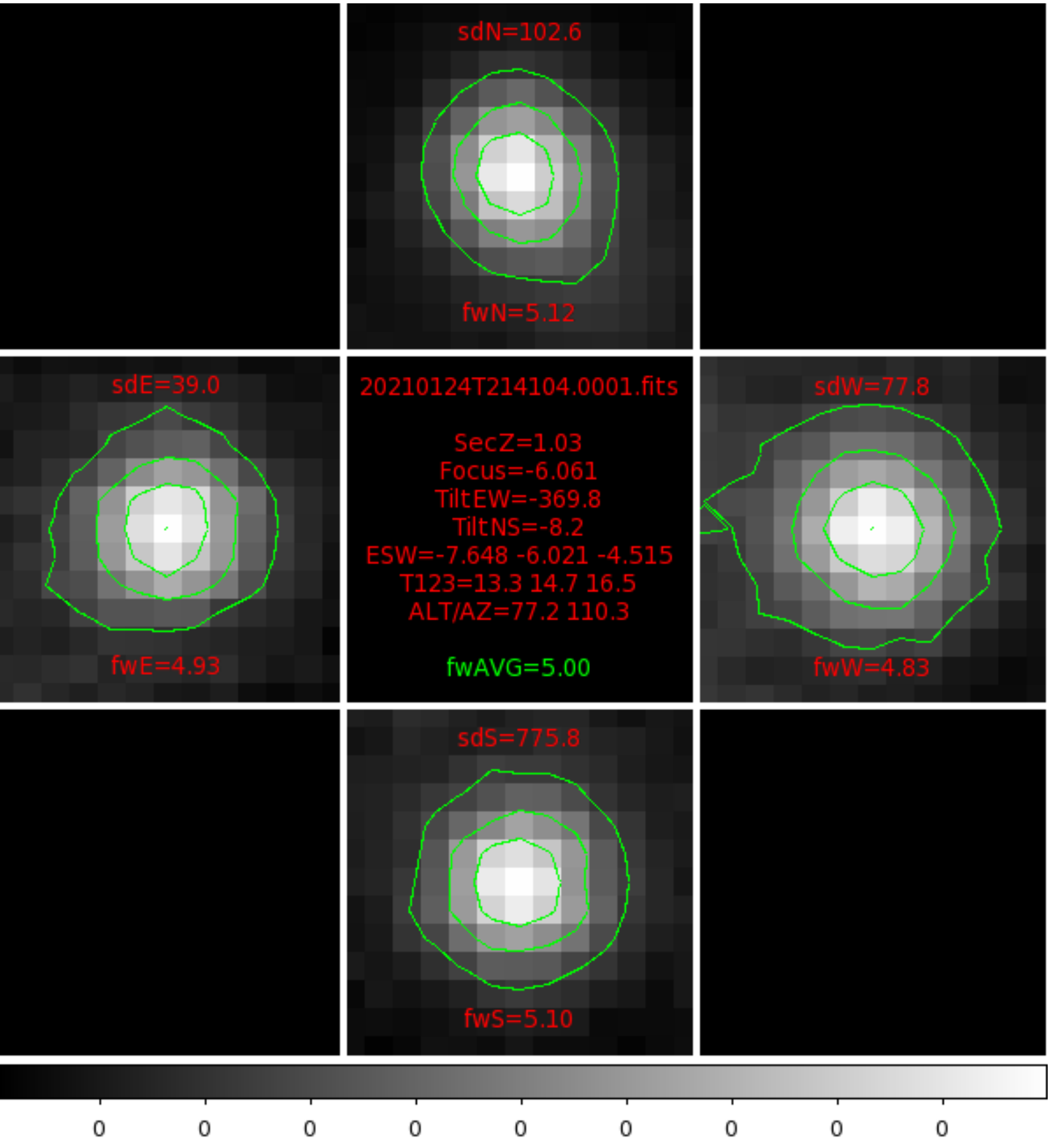
sdN=102.6
fwN=5.12
sdE=39.0
fwE=4.93
20210124T214104.0001.fits
SecZ=1.03
Focus=-6.061
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.648 -6.021 -4.515
T123=13.3 14.7 16.5
ALT/AZ=77.2 110.3
fwAVG=5.00
sdW=77.8
fwW=4.83
sdS=775.8
fwS=5.10
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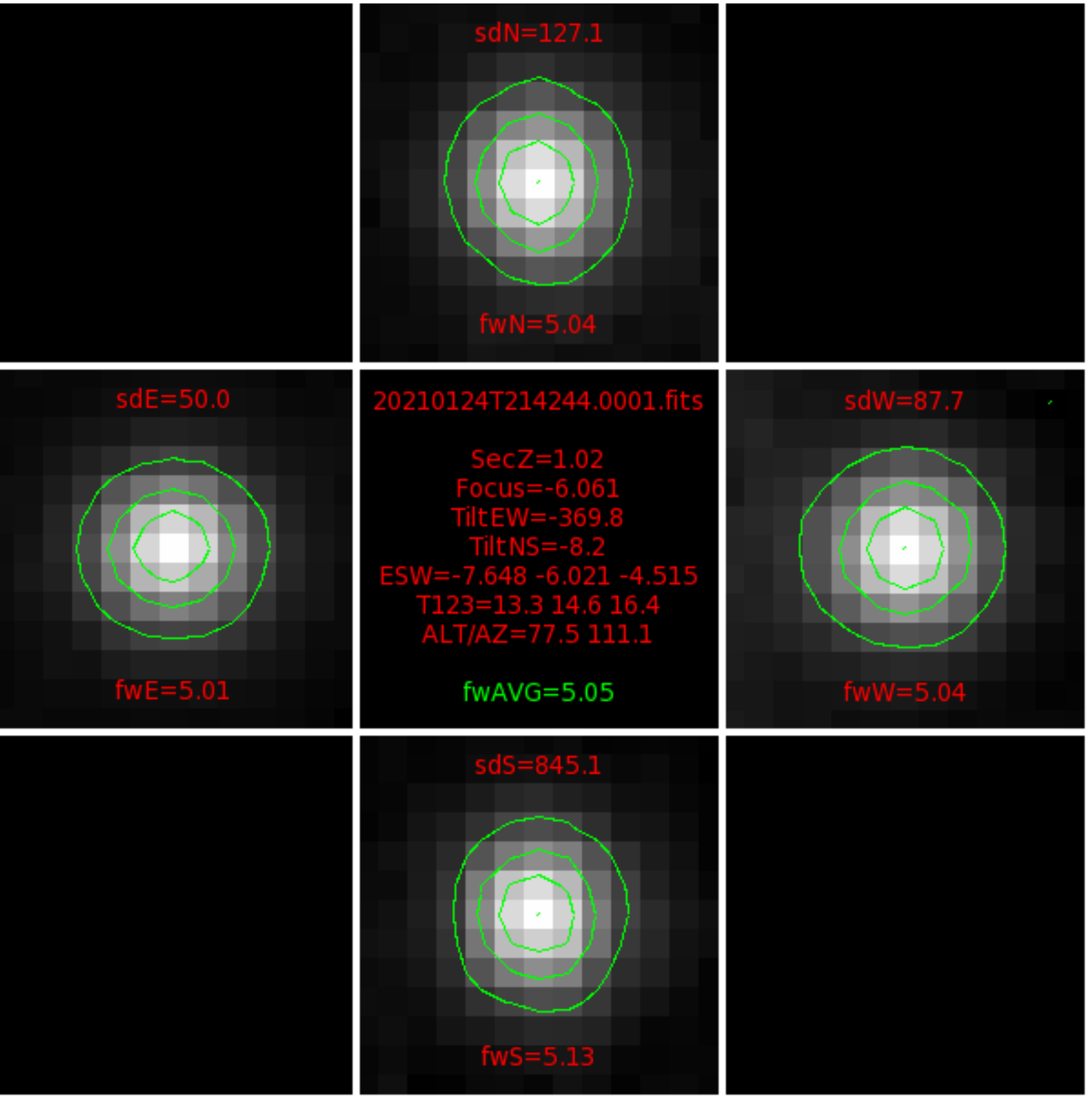
sdN=127.1
fwN=5.04
sdE=50.0
fwE=5.01
20210124T214244.0001.fits
SecZ=1.02
Focus=-6.061
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.648 -6.021 -4.515
T123=13.3 14.6 16.4
ALT/AZ=77.5 111.1
fwAVG=5.05
sdW=87.7
fwW=5.04
sdS=845.1
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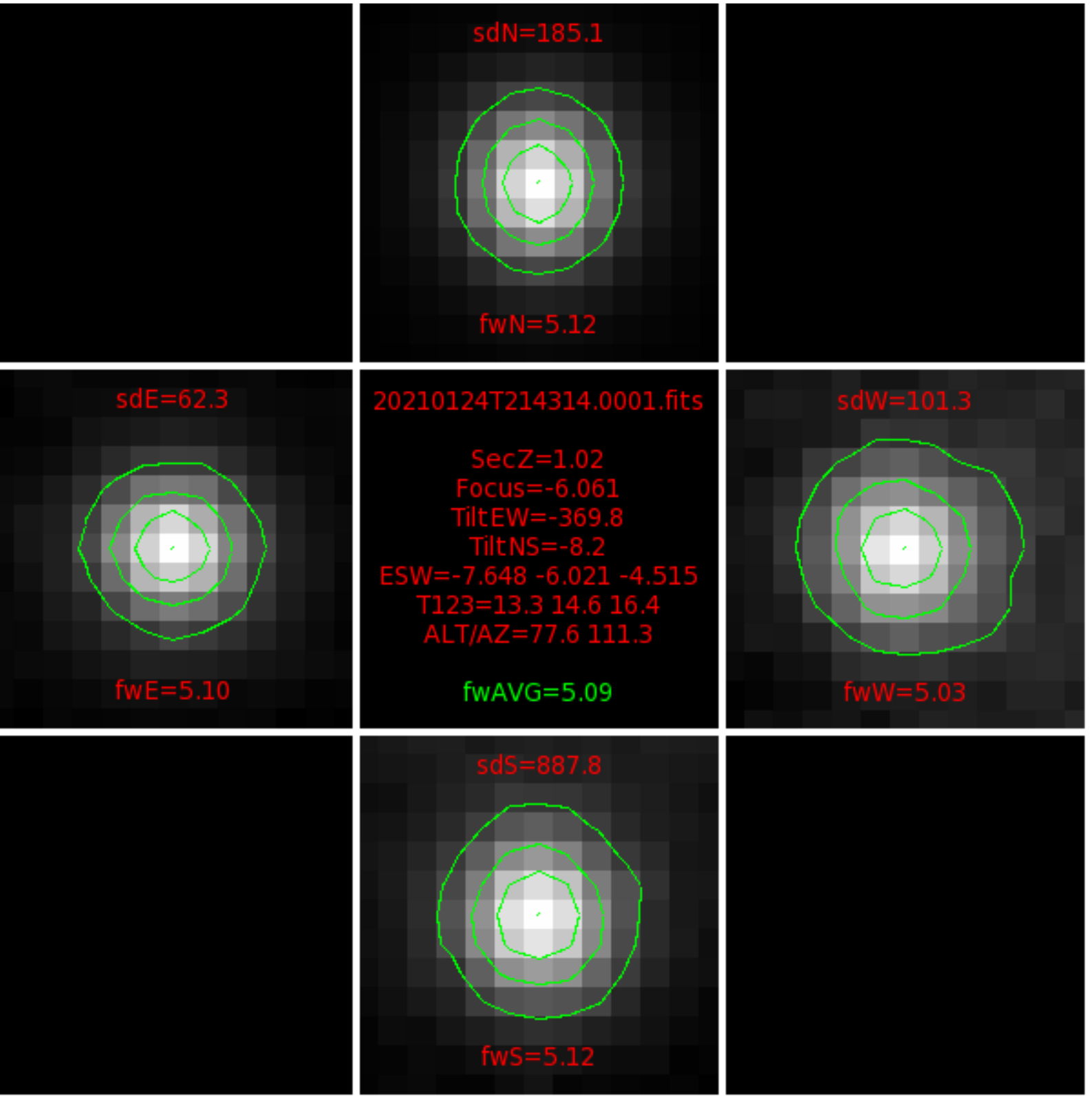
sdN=185.1
fwN=5.12
sdE=62.3
fwE=5.10
20210124T214314.0001.fits
SecZ=1.02
Focus=-6.061
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.648 -6.021 -4.515
T123=13.3 14.6 16.4
ALT/AZ=77.6 111.3
fwAVG=5.09
sdW=101.3
fwW=5.03
sdS=887.8
fwS=5.12
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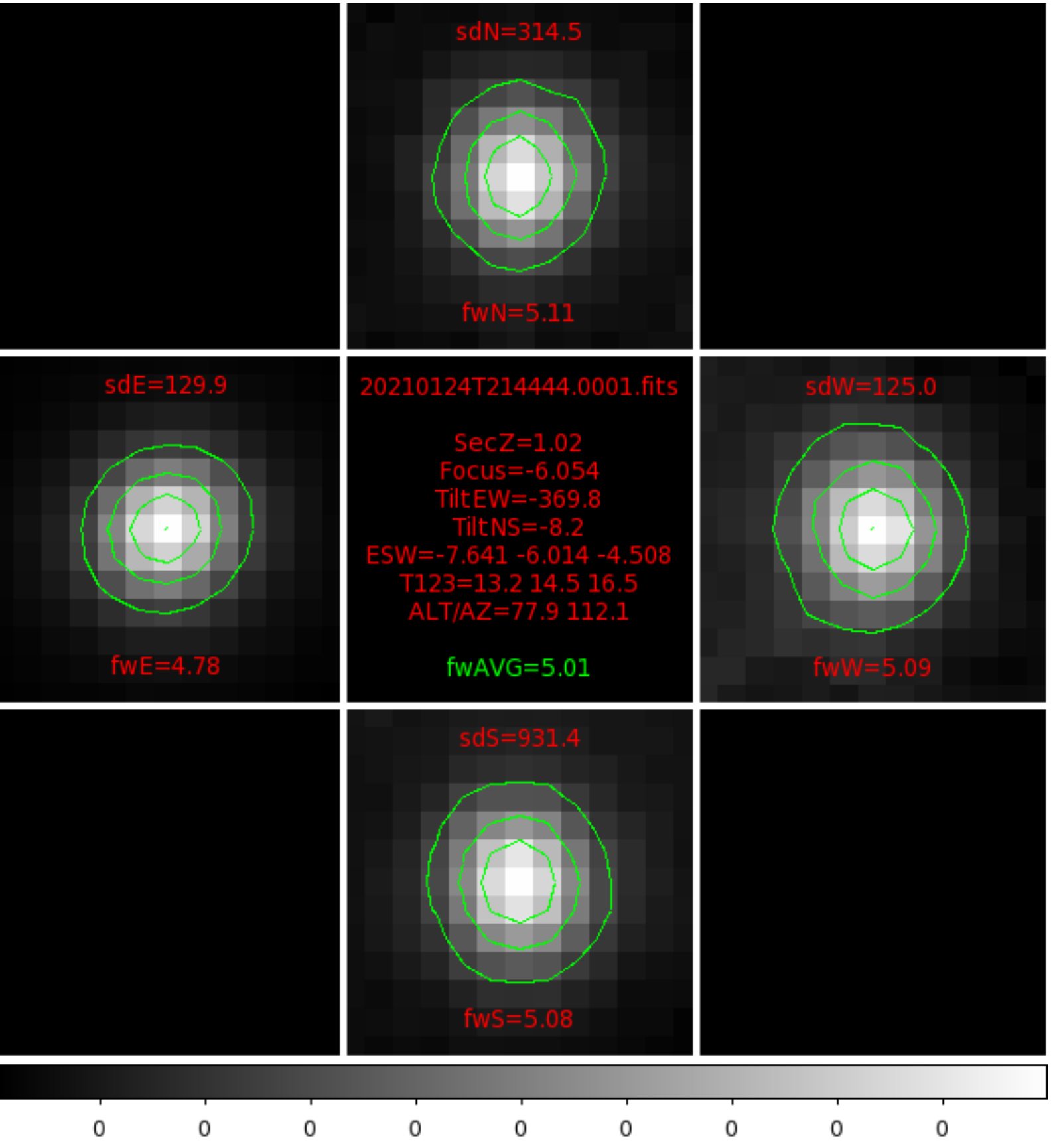
sdN=314.5
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sdE=129.9
fwE=4.78
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SecZ=1.02
Focus=-6.054
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.641 -6.014 -4.508
T123=13.2 14.5 16.5
ALT/AZ=77.9 112.1
fwAVG=5.01
sdW=125.0
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fwS=5.08
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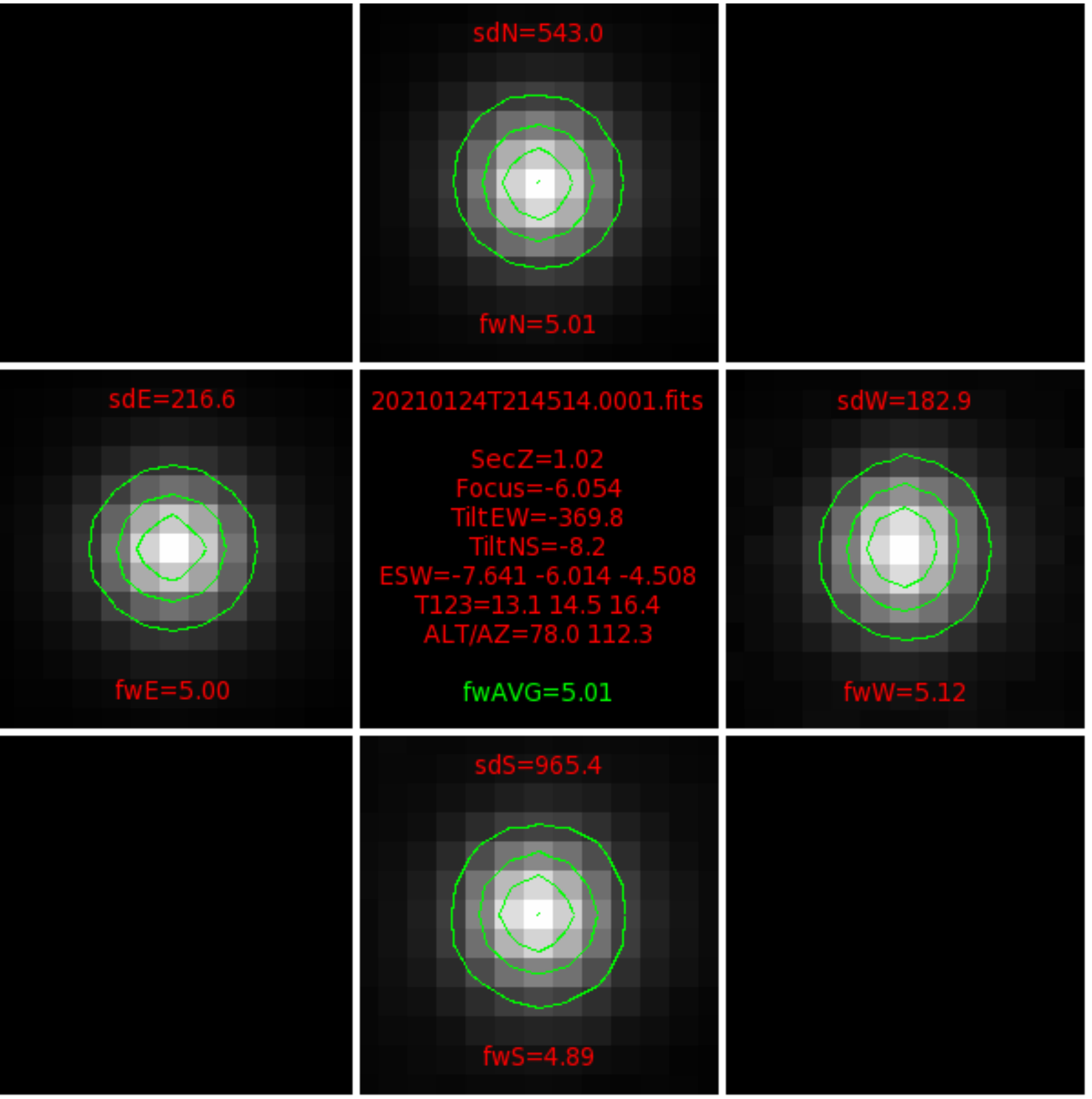
sdN=543.0
fwN=5.01
sdE=216.6
fwE=5.00
20210124T214514.0001.fits
SecZ=1.02
Focus=-6.054
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.641 -6.014 -4.508
T123=13.1 14.5 16.4
ALT/AZ=78.0 112.3
fwAVG=5.01
sdW=182.9
fwW=5.12
sdS=965.4
fwS=4.89
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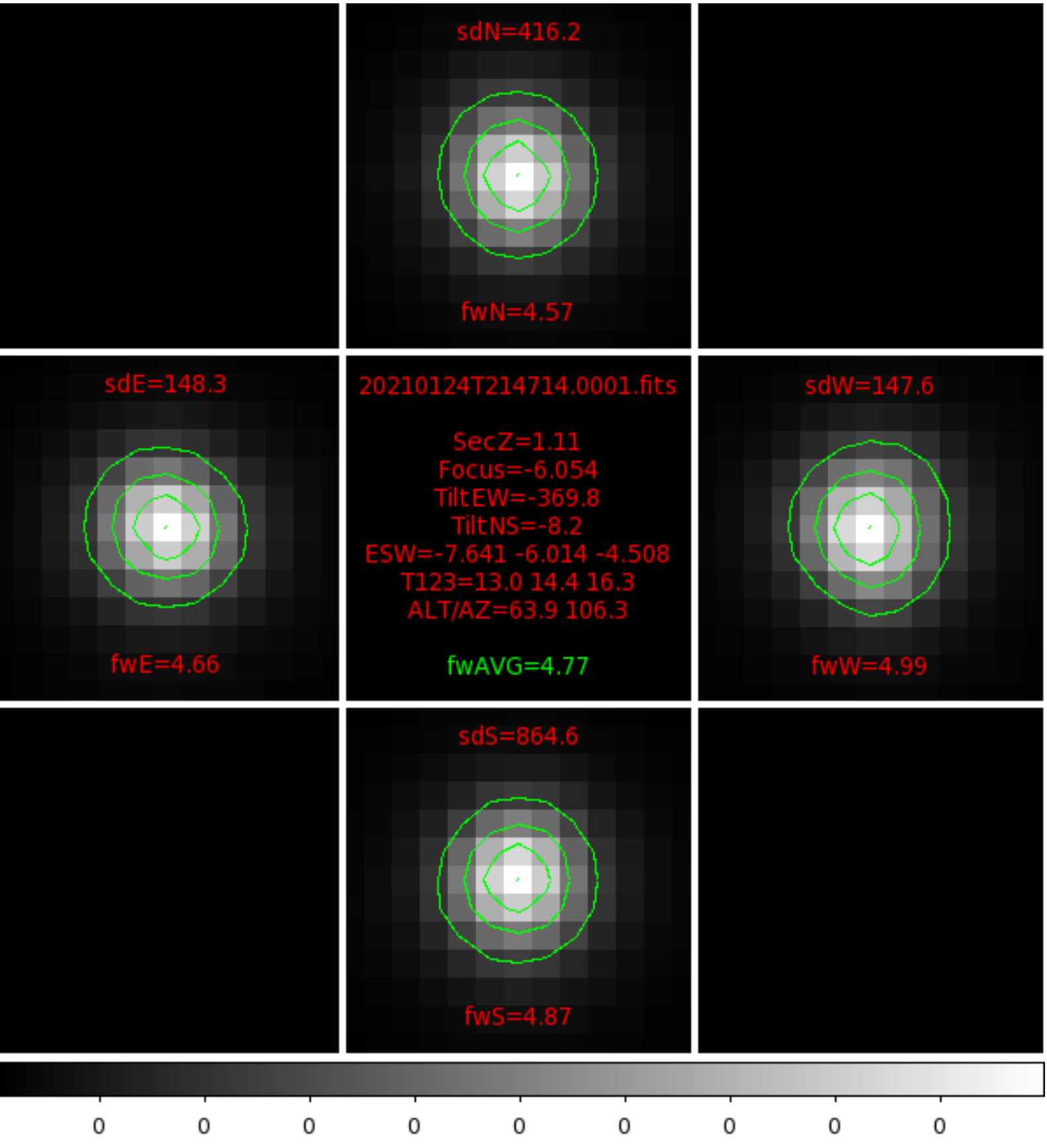
sdN=416.2
fwN=4.57
sdE=148.3
fwE=4.66
20210124T214714.0001.fits
SecZ=1.11
Focus=-6.054
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.641 -6.014 -4.508
T123=13.0 14.4 16.3
ALT/AZ=63.9 106.3
fwAVG=4.77
sdW=147.6
fwW=4.99
sdS=864.6
fwS=4.87
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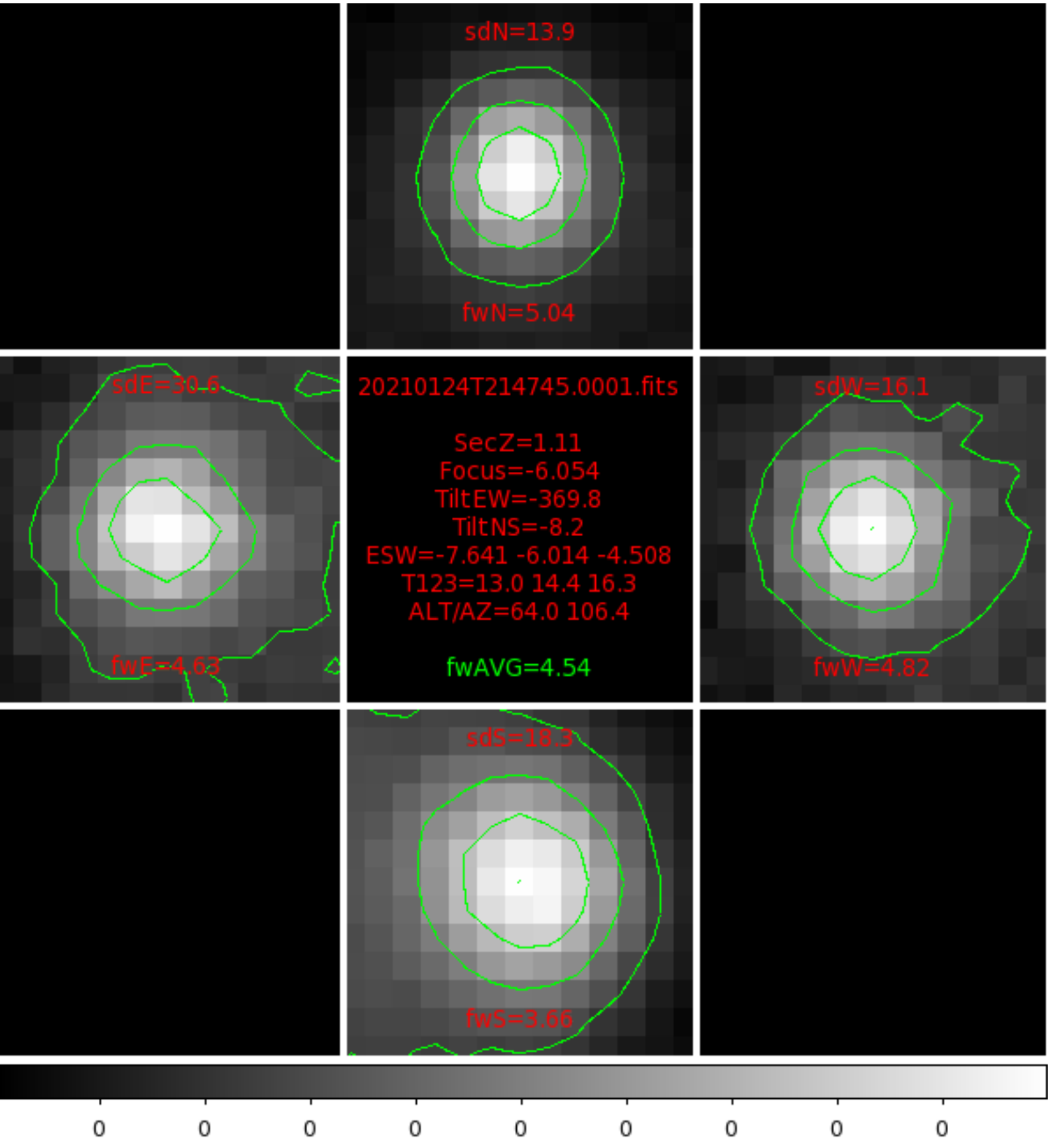
sdN=13.9
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sdE=30.6
fwE=4.63
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SecZ=1.11
Focus=-6.054
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.641 -6.014 -4.508
T123=13.0 14.4 16.3
ALT/AZ=64.0 106.4
fwAVG=4.54
sdW=16.1
fwW=4.82
sdS=18.3
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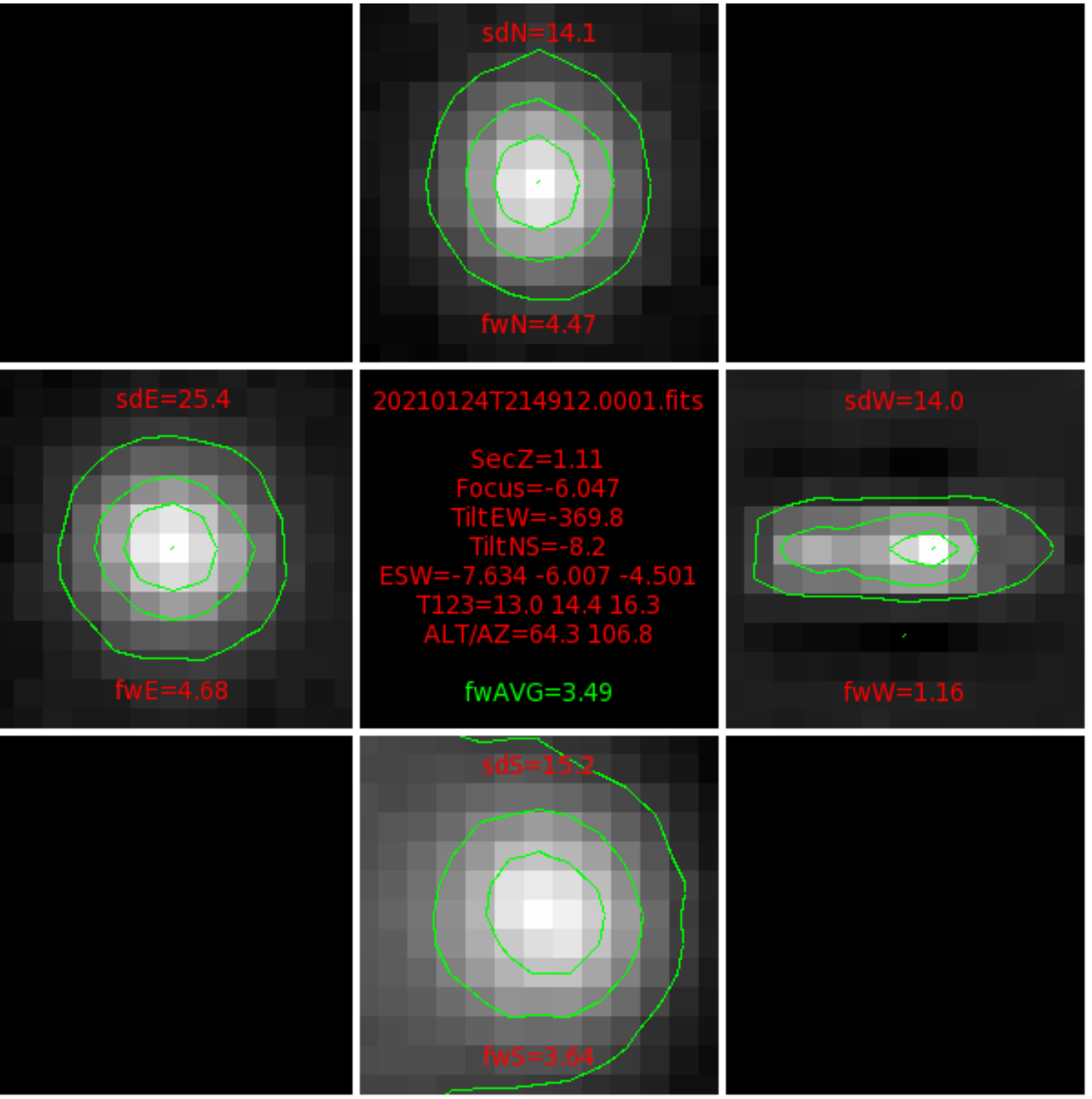
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sdE=25.4
fwE=4.68
20210124T214912.0001.fits
SecZ=1.11
Focus=-6.047
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.634 -6.007 -4.501
T123=13.0 14.4 16.3
ALT/AZ=64.3 106.8
fwAVG=3.49
sdW=14.0
fwW=1.16
sdS=15.2
fwS=3.64
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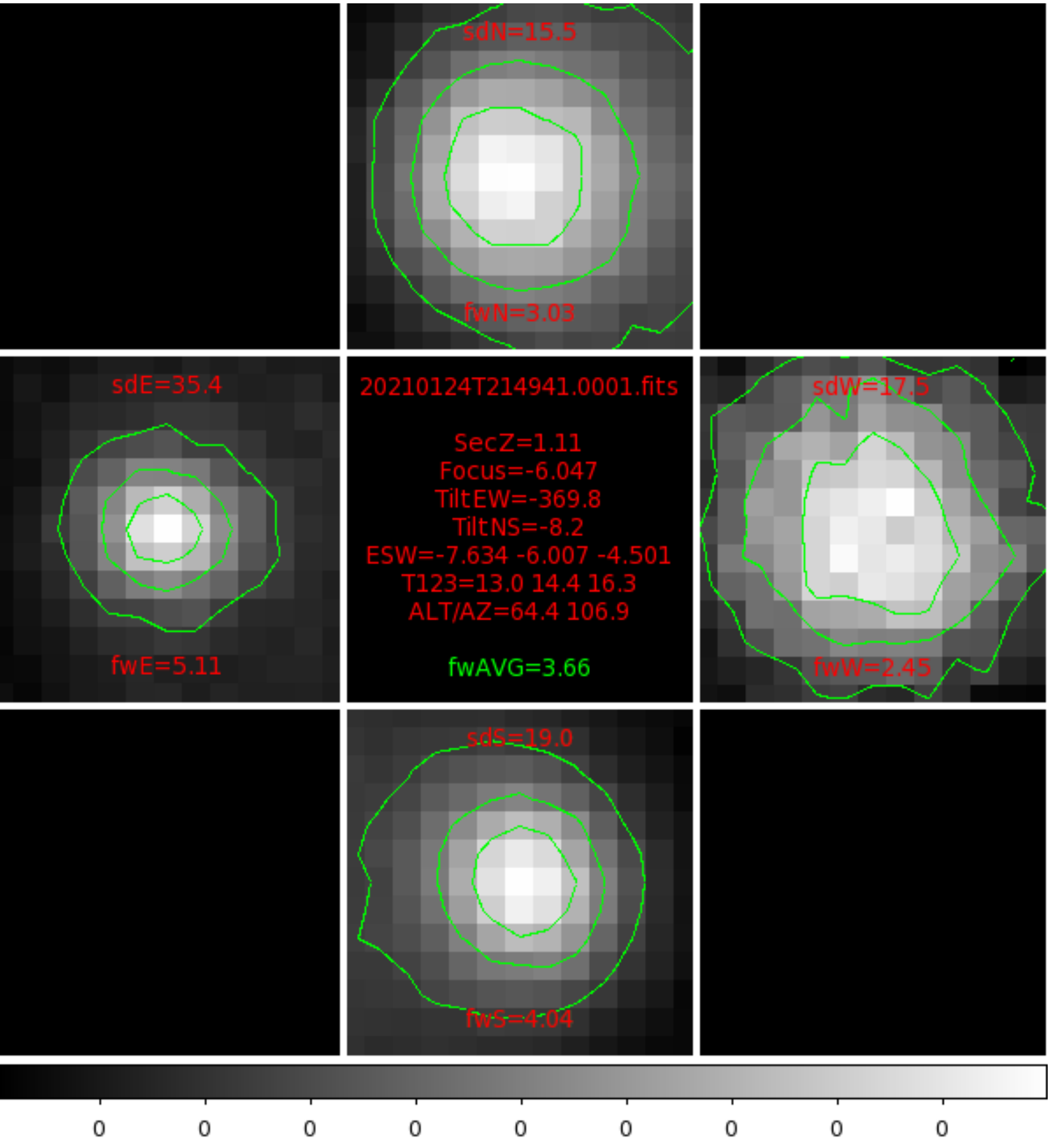
sdN=15.5
fwN=3.03
sdE=35.4
fwE=5.11
20210124T214941.0001.fits
SecZ=1.11
Focus=-6.047
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.634 -6.007 -4.501
T123=13.0 14.4 16.3
ALT/AZ=64.4 106.9
fwAVG=3.66
sdW=17.5
fwW=2.45
sdS=19.0
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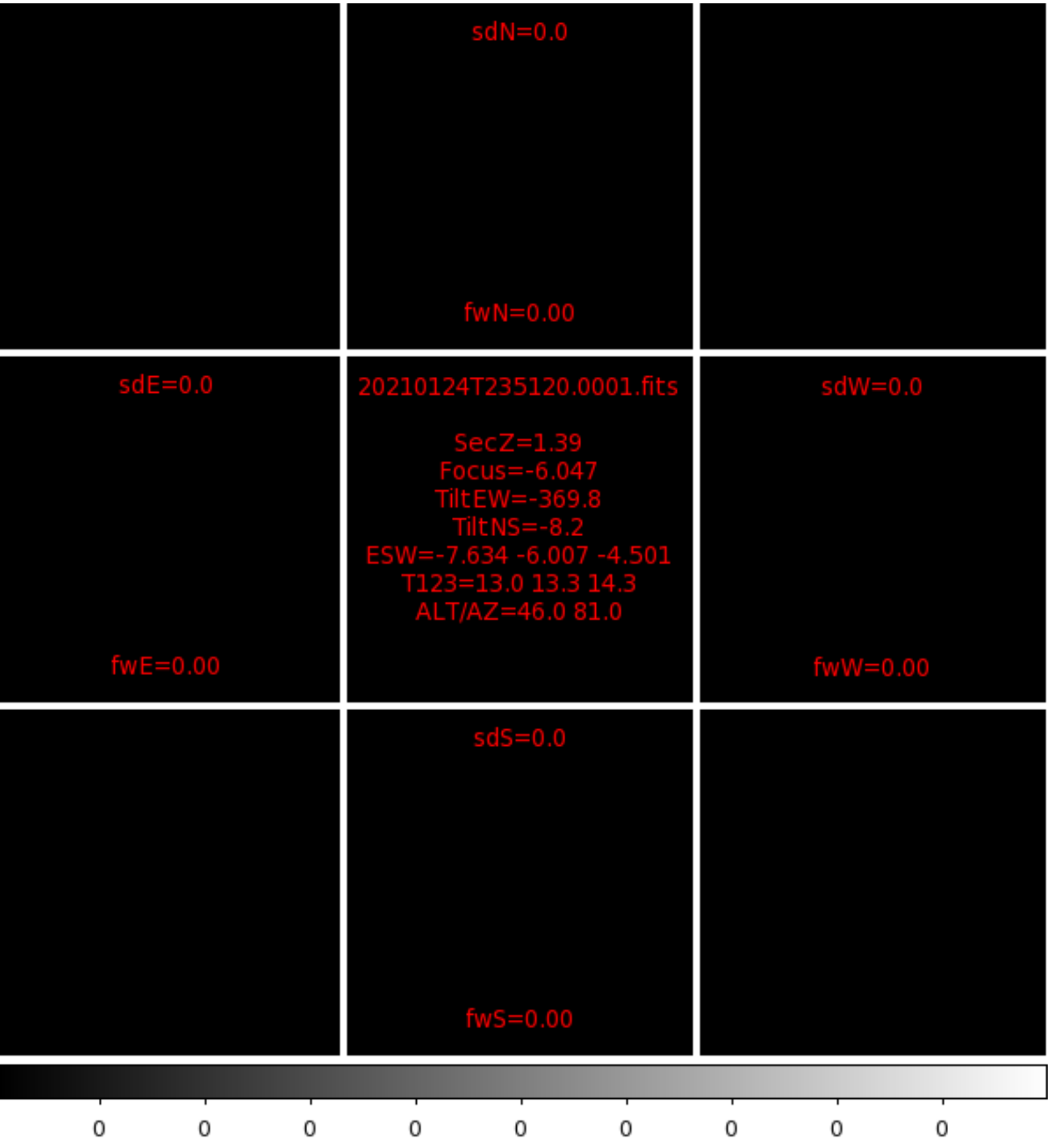
sdN=0.0
fwN=0.00
sdE=0.0
20210124T235120.0001.fits
SecZ=1.39
Focus=-6.047
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.634 -6.007 -4.501
T123=13.0 13.3 14.3
ALT/AZ=46.0 81.0
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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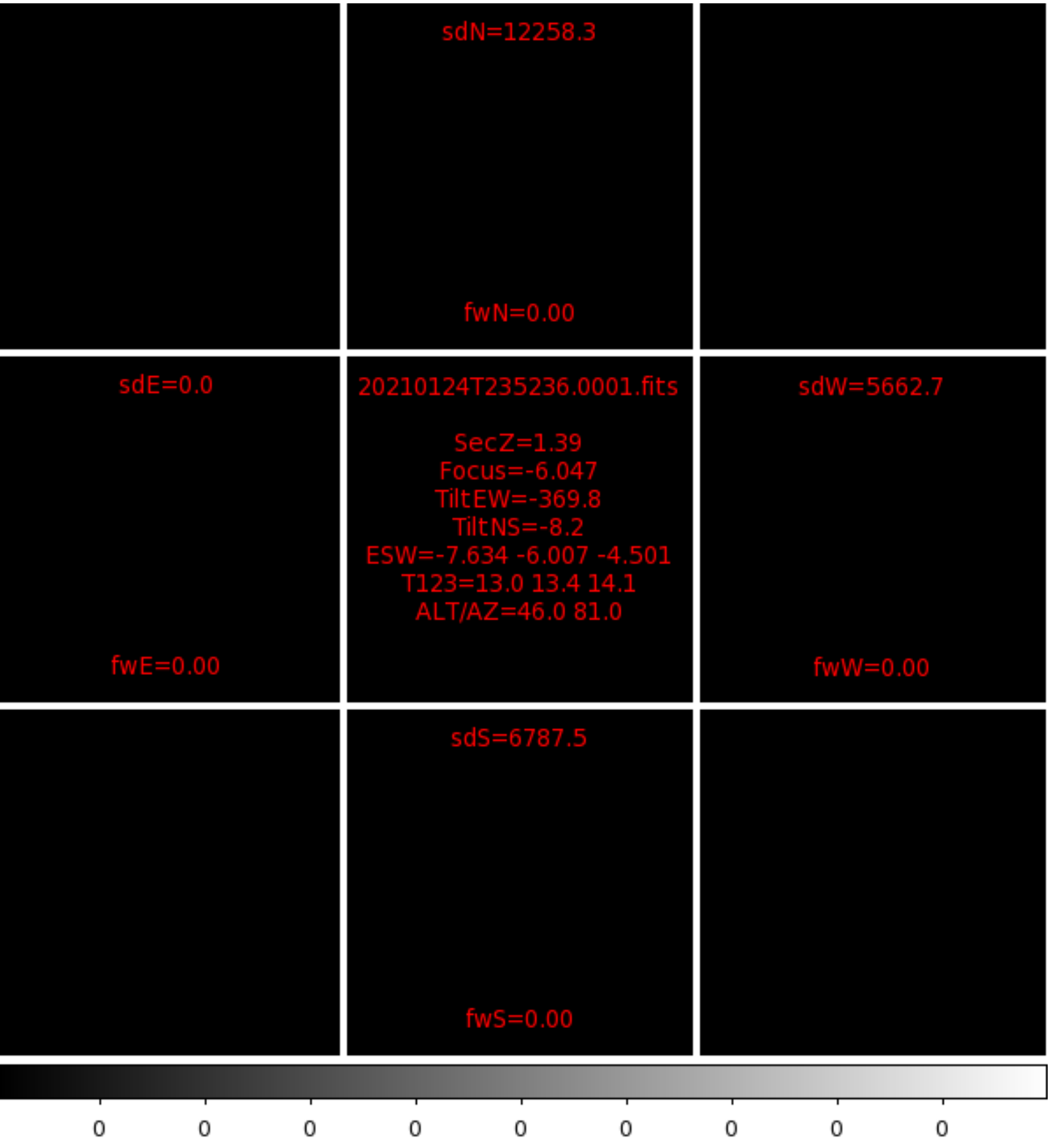
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fwN=0.00
sdE=0.0
20210124T235236.0001.fits
SecZ=1.39
Focus=-6.047
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.634 -6.007 -4.501
T123=13.0 13.4 14.1
ALT/AZ=46.0 81.0
sdW=5662.7
fwE=0.00
fwW=0.00
sdS=6787.5
fwS=0.00
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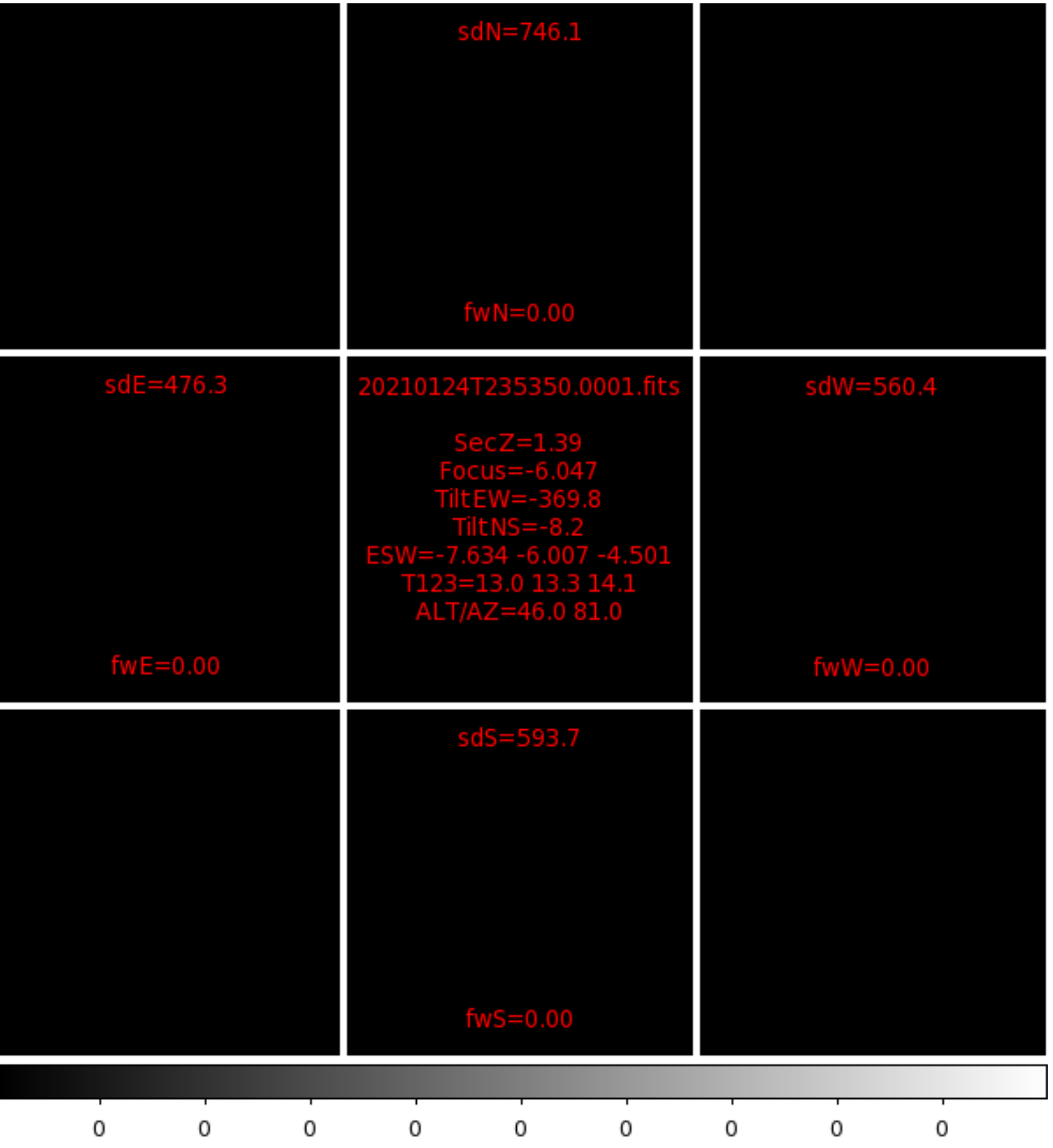
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fwN=0.00
sdE=476.3
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20210124T235350.0001.fits
SecZ=1.39
Focus=-6.047
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.634 -6.007 -4.501
T123=13.0 13.3 14.1
ALT/AZ=46.0 81.0
sdW=560.4
fwW=0.00
sdS=593.7
fwS=0.00
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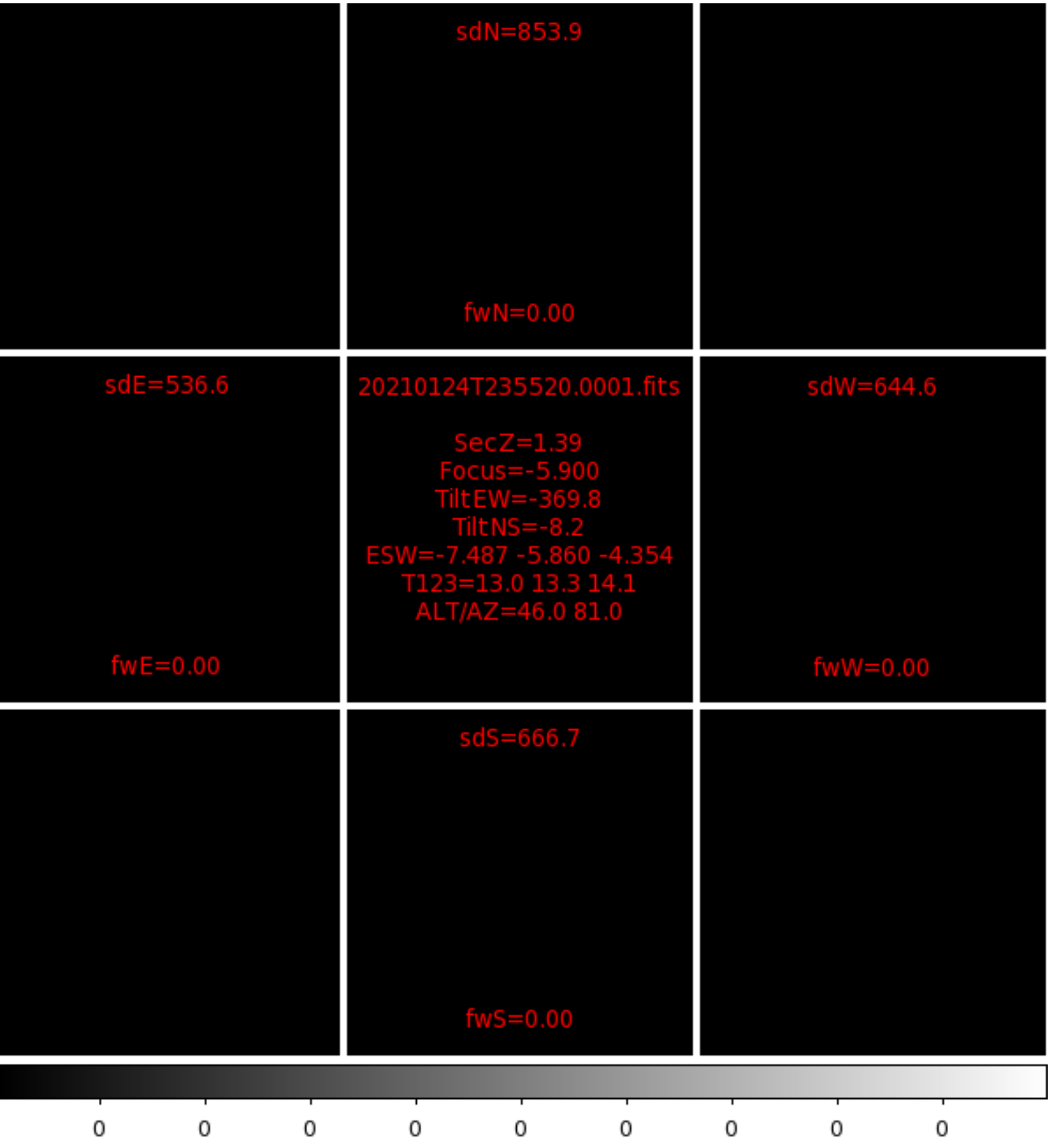
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fwN=0.00
sdE=536.6
fwE=0.00
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SecZ=1.39
Focus=-5.900
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.487 -5.860 -4.354
T123=13.0 13.3 14.1
ALT/AZ=46.0 81.0
sdW=644.6
fwW=0.00
sdS=666.7
fwS=0.00
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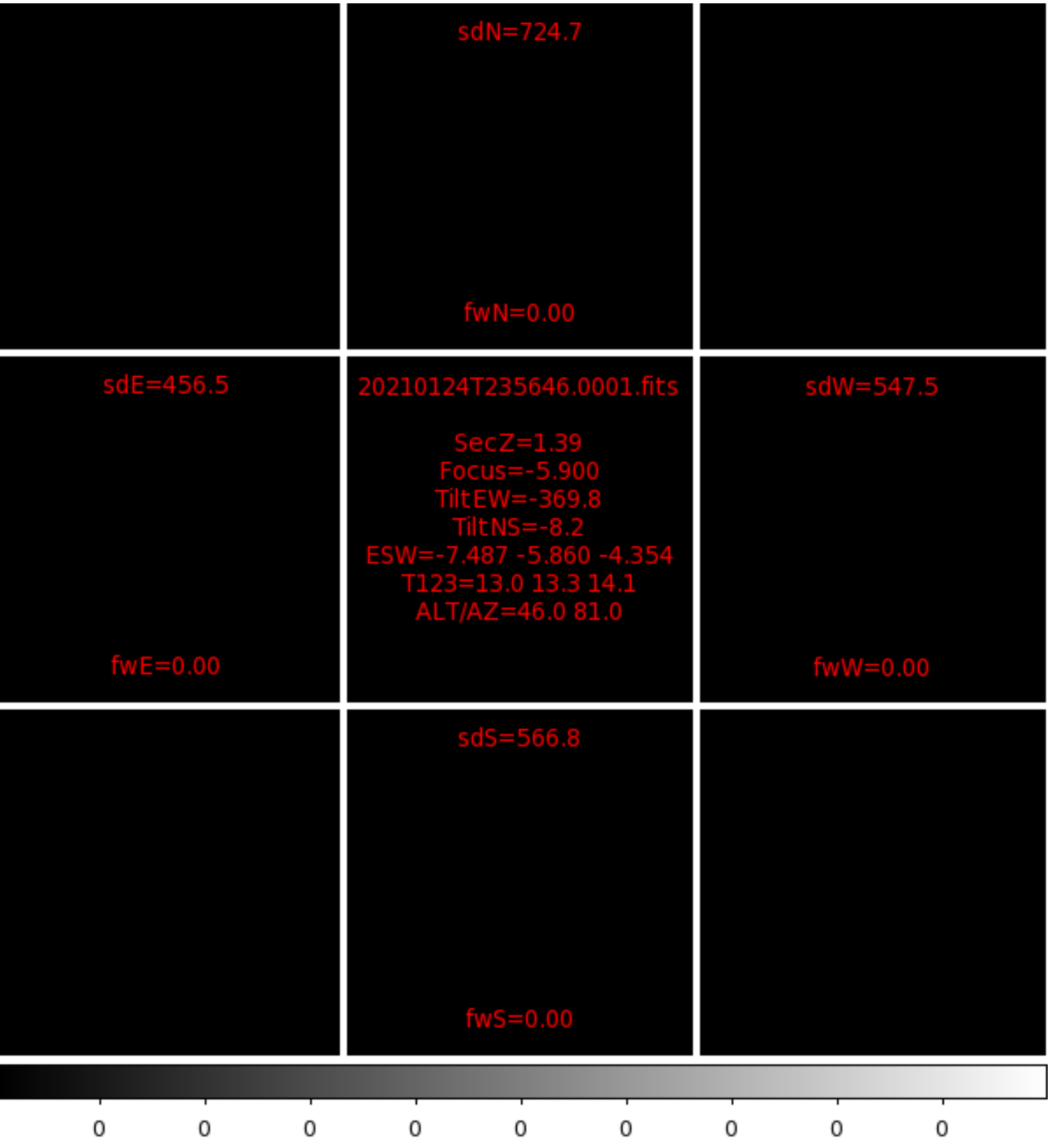
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fwN=0.00
sdE=456.5
fwE=0.00
20210124T235646.0001.fits
SecZ=1.39
Focus=-5.900
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.487 -5.860 -4.354
T123=13.0 13.3 14.1
ALT/AZ=46.0 81.0
sdW=547.5
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fwS=0.00
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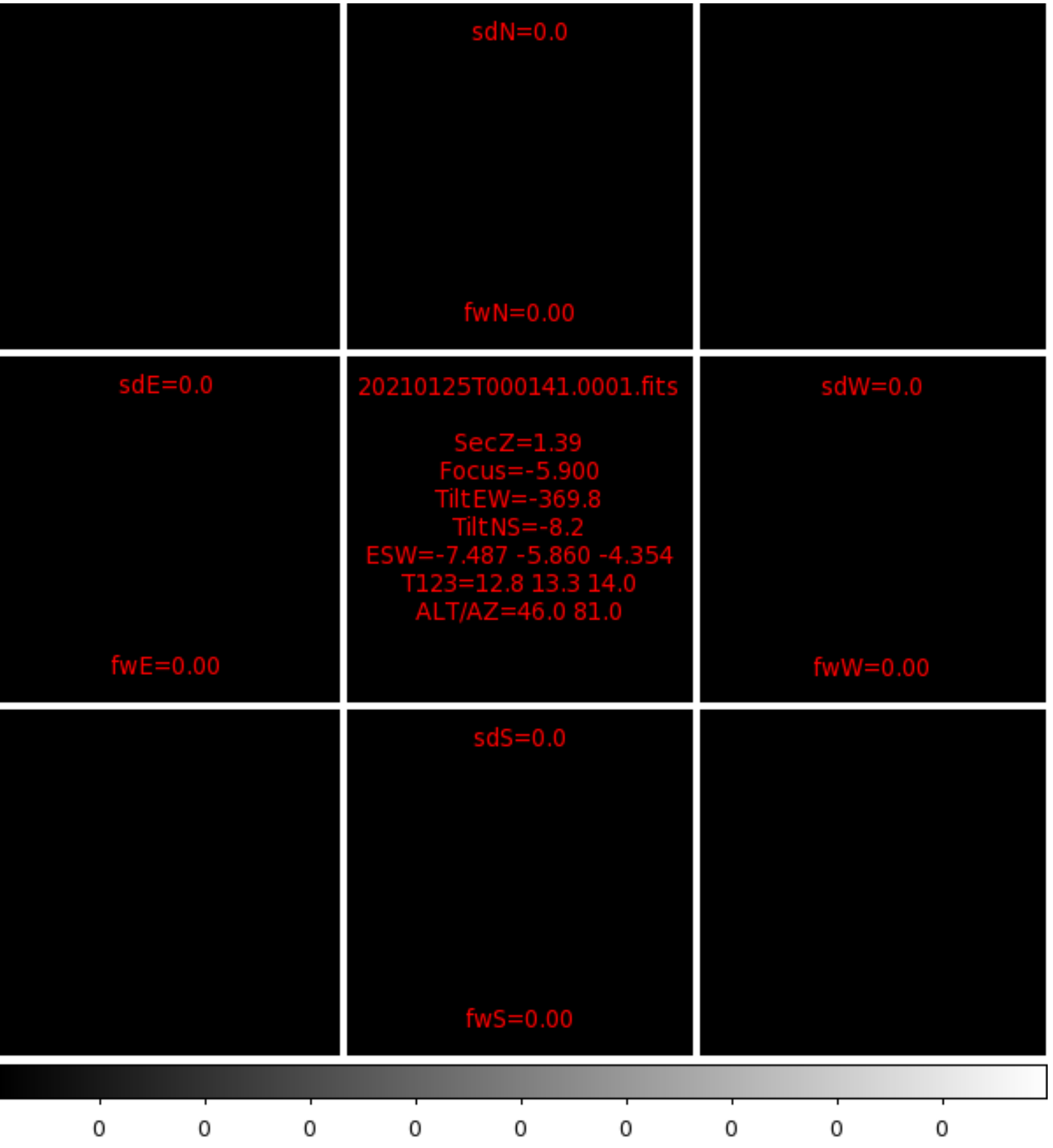
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sdE=0.0
20210125T000141.0001.fits
SecZ=1.39
Focus=-5.900
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.487 -5.860 -4.354
T123=12.8 13.3 14.0
ALT/AZ=46.0 81.0
sdW=0.0
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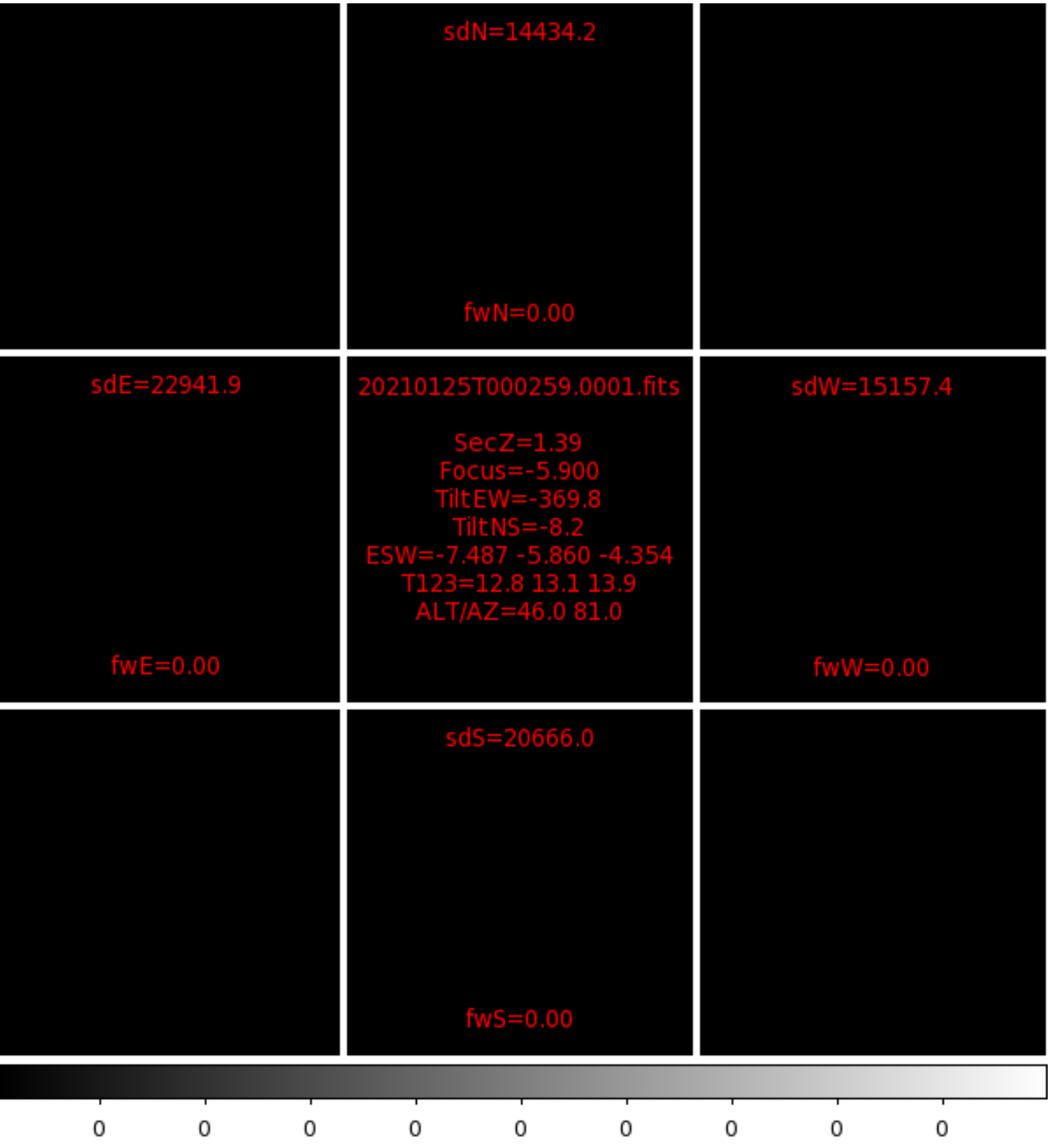
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fwE=0.00
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SecZ=1.39
Focus=-5.900
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.487 -5.860 -4.354
T123=12.8 13.1 13.9
ALT/AZ=46.0 81.0
sdW=15157.4
fwW=0.00
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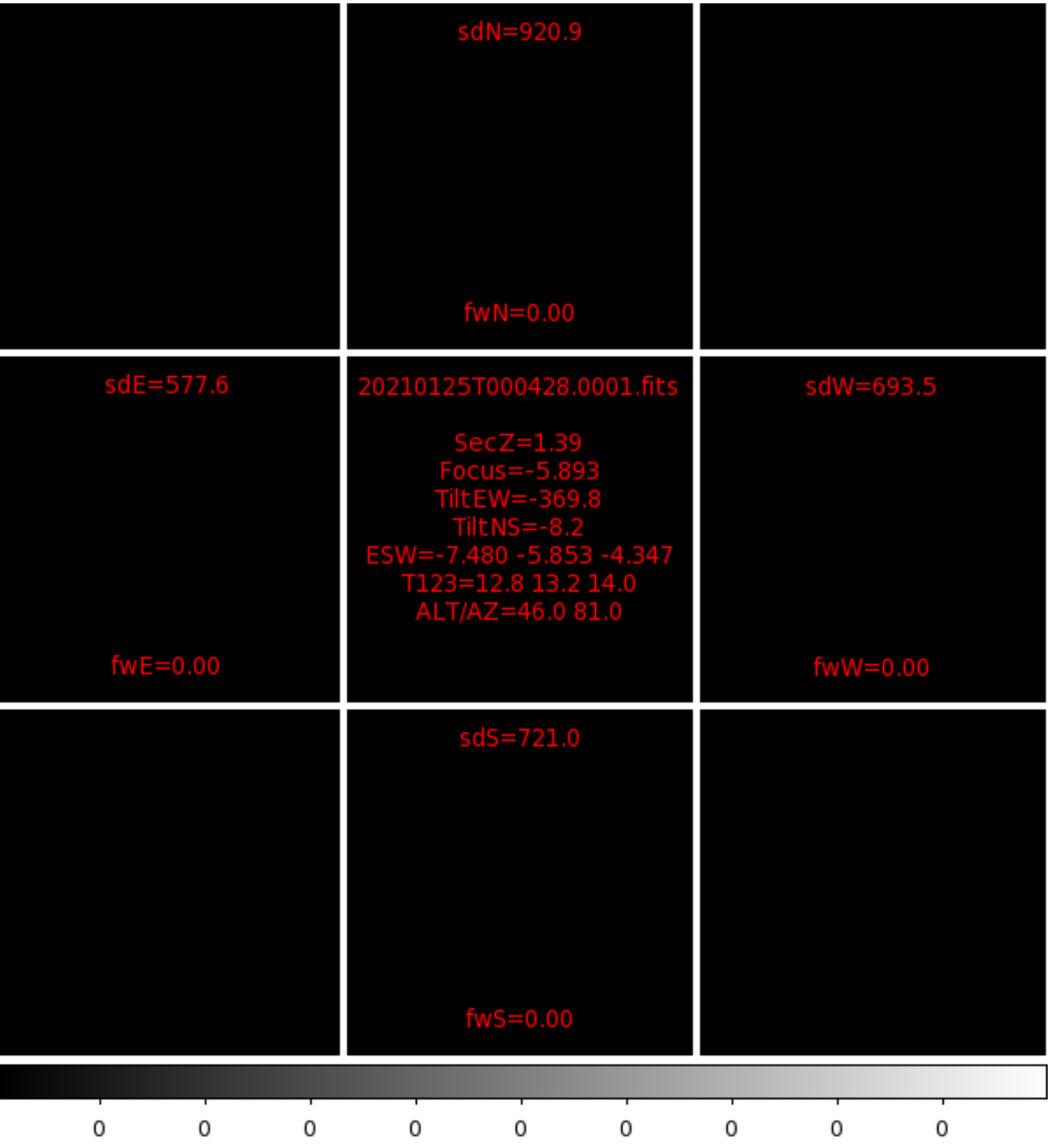
sdN=920.9
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sdE=577.6
fwE=0.00
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SecZ=1.39
Focus=-5.893
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.480 -5.853 -4.347
T123=12.8 13.2 14.0
ALT/AZ=46.0 81.0
sdW=693.5
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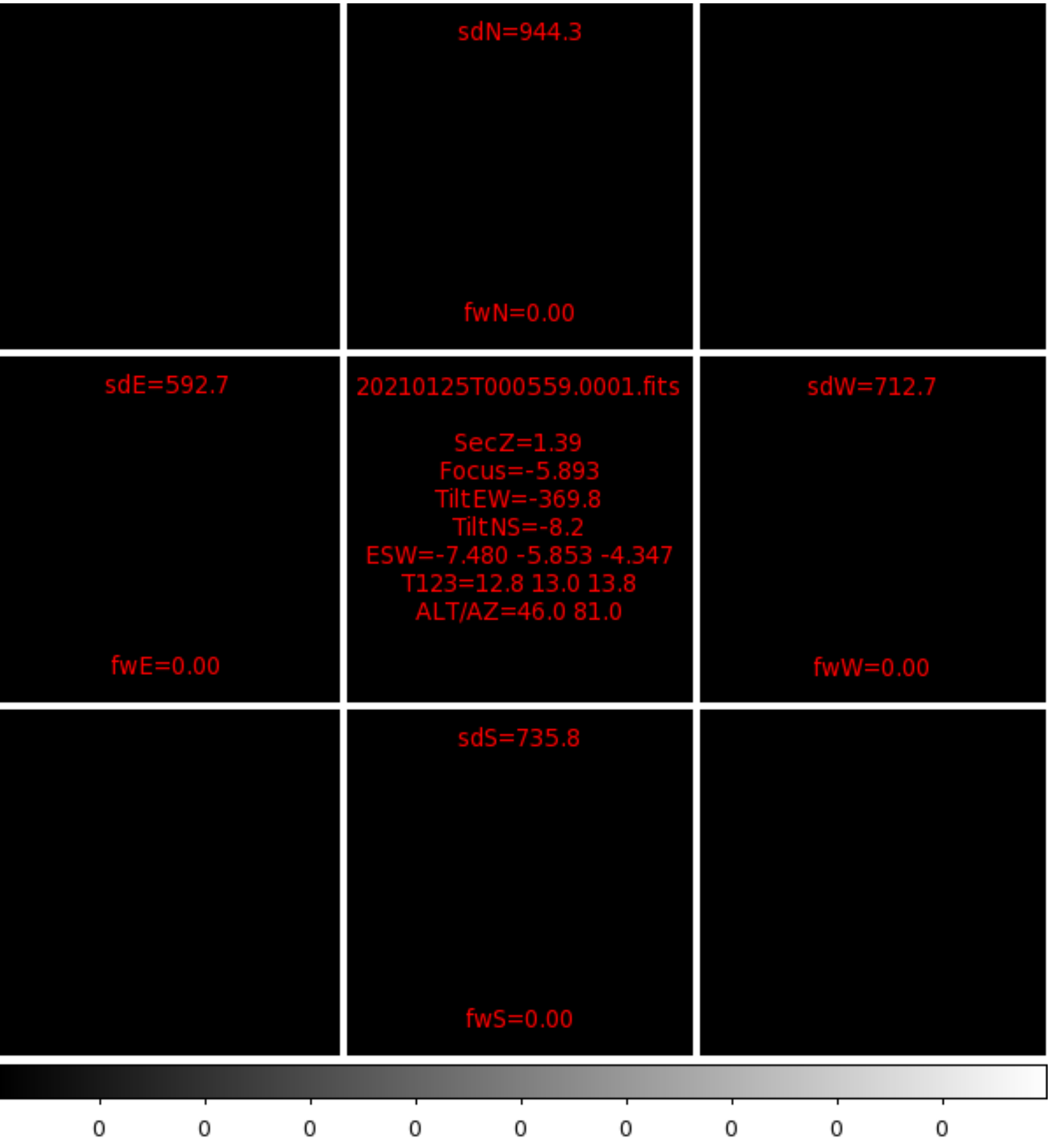
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fwN=0.00
sdE=592.7
fwE=0.00
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SecZ=1.39
Focus=-5.893
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.480 -5.853 -4.347
T123=12.8 13.0 13.8
ALT/AZ=46.0 81.0
sdW=712.7
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sdS=735.8
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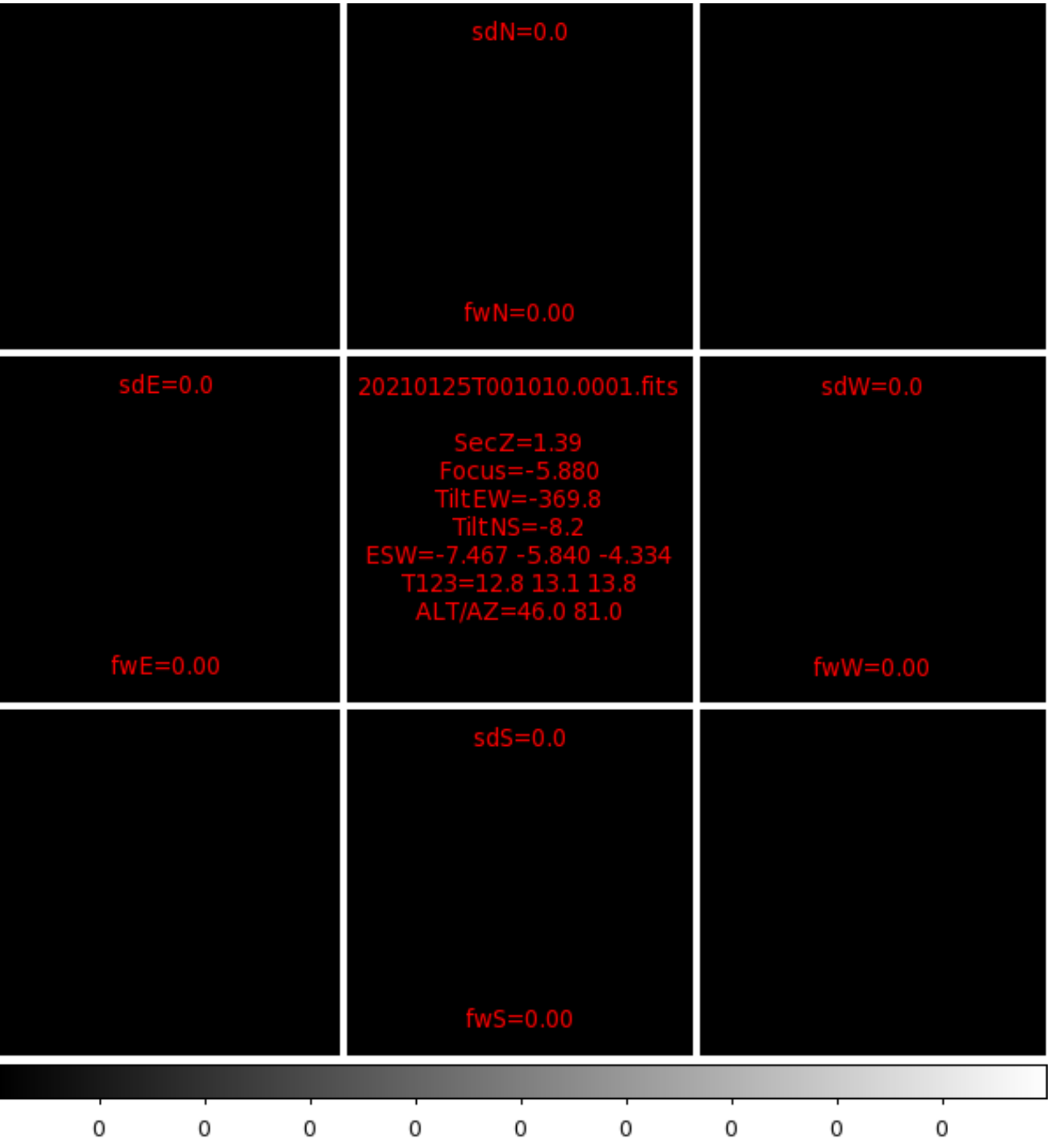
sdN=0.0
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sdE=0.0
20210125T001010.0001.fits
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Focus=-5.880
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.467 -5.840 -4.334
T123=12.8 13.1 13.8
ALT/AZ=46.0 81.0
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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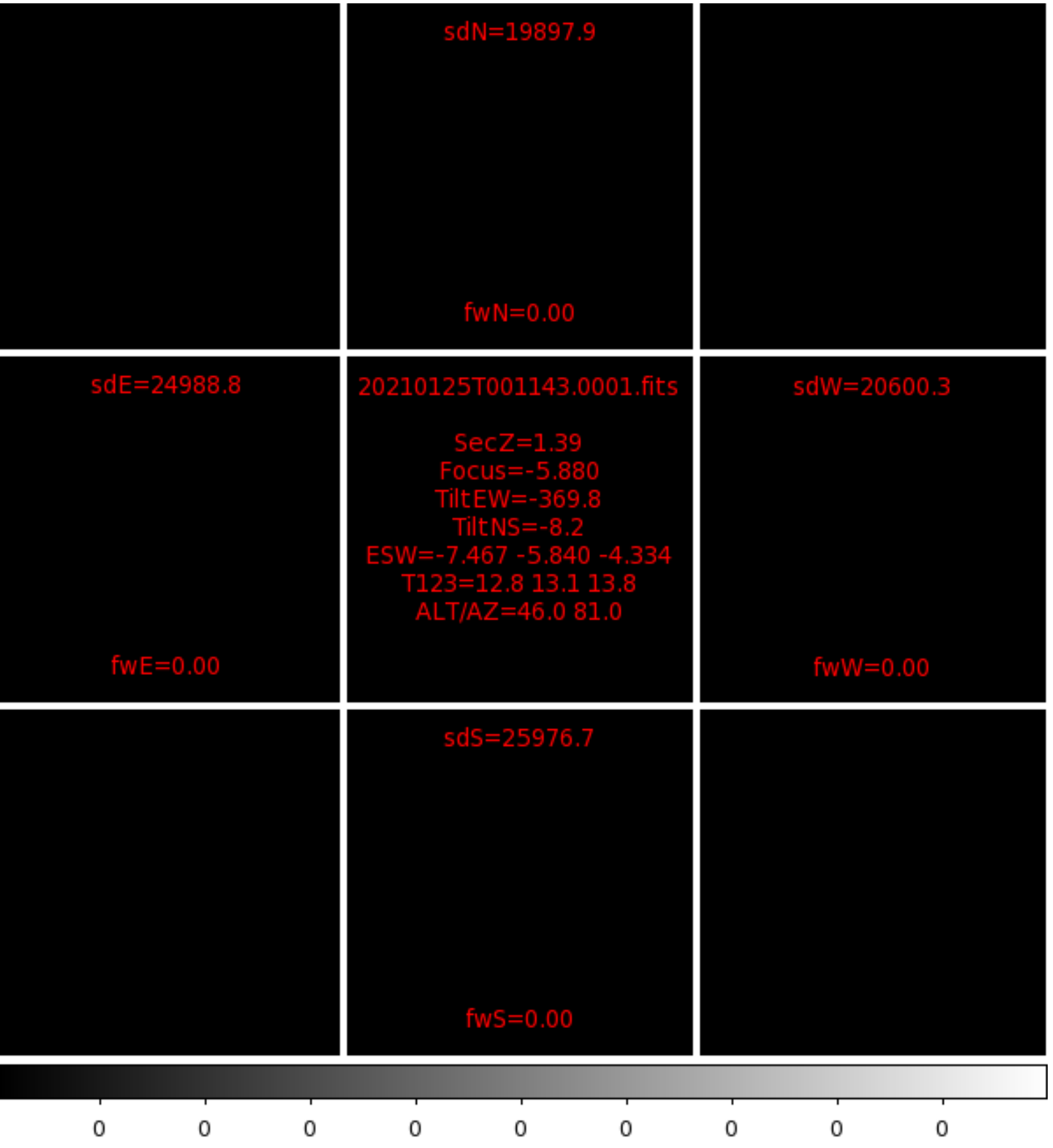
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sdE=24988.8
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SecZ=1.39
Focus=-5.880
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.467 -5.840 -4.334
T123=12.8 13.1 13.8
ALT/AZ=46.0 81.0
sdW=20600.3
fwW=0.00
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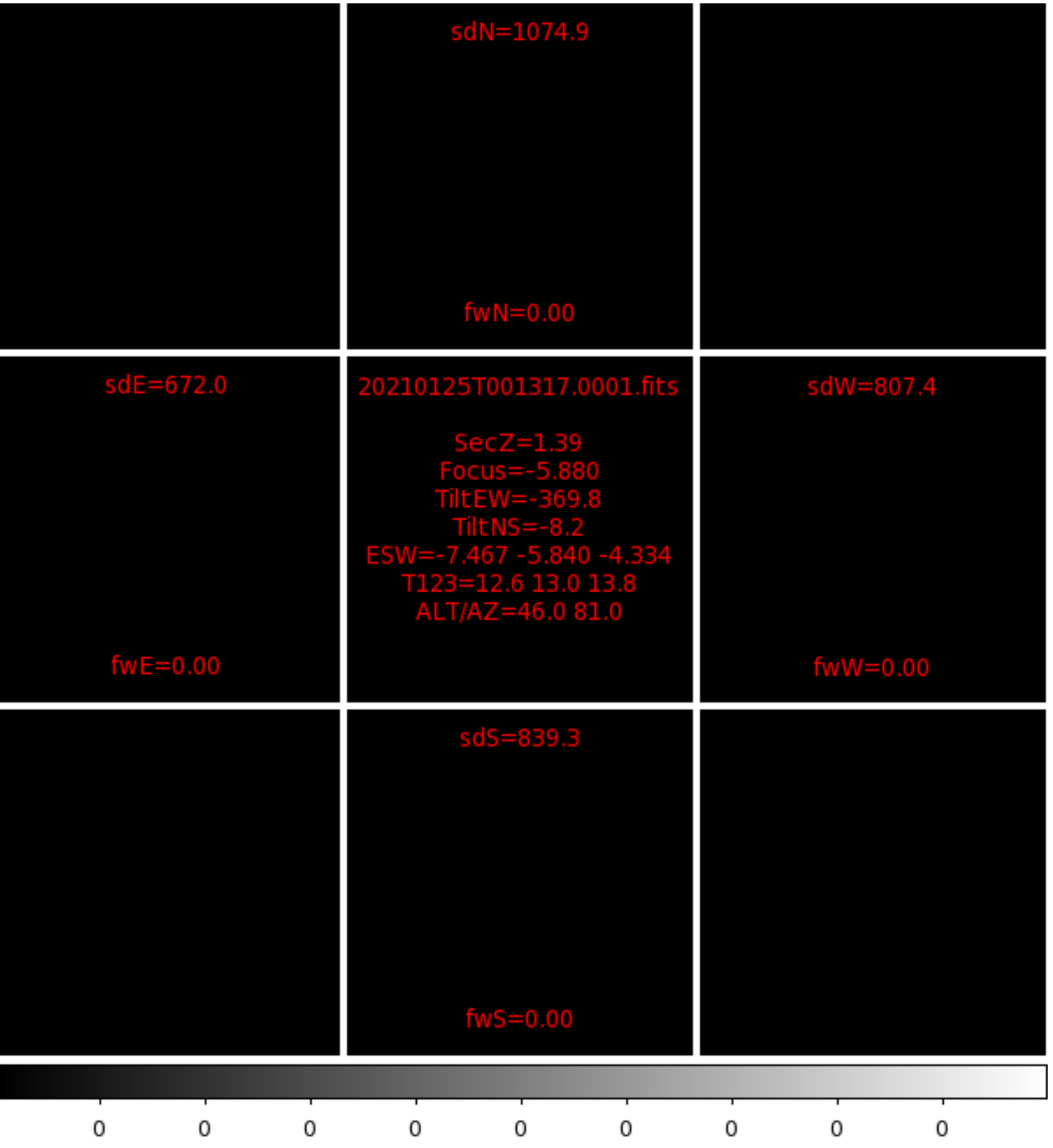
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sdE=672.0
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SecZ=1.39
Focus=-5.880
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.467 -5.840 -4.334
T123=12.6 13.0 13.8
ALT/AZ=46.0 81.0
sdW=807.4
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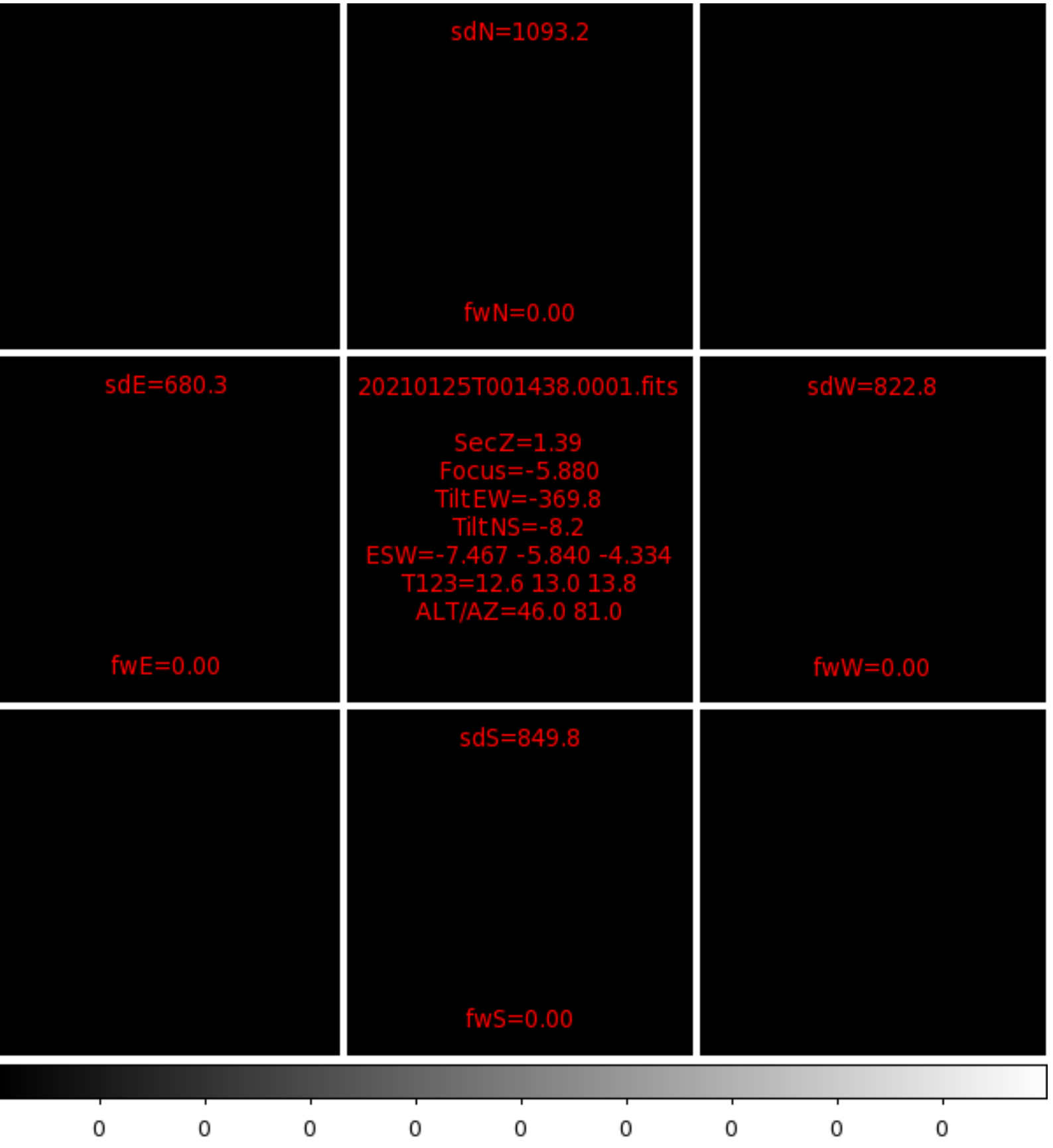
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T123=12.6 13.0 13.8
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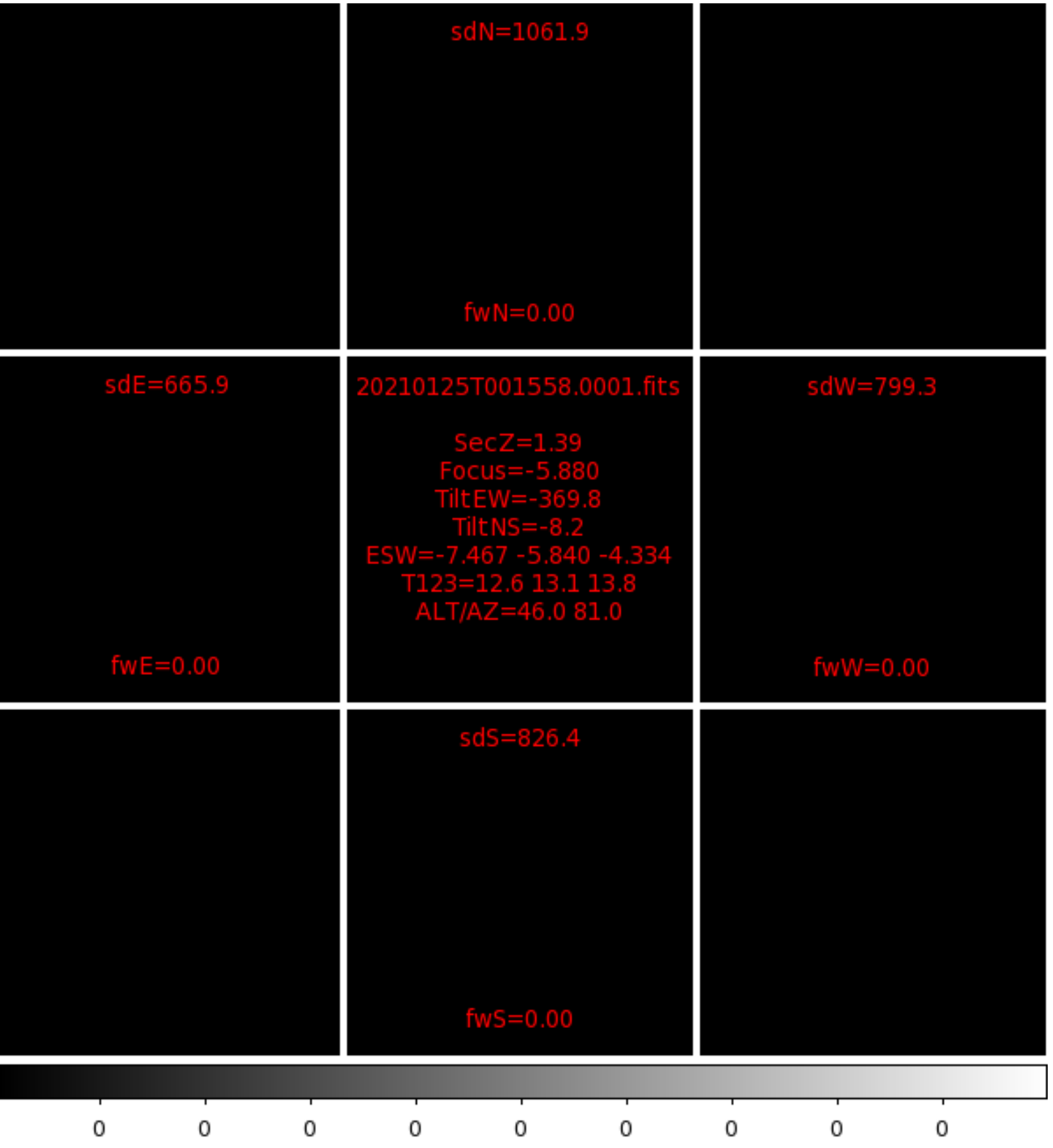
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fwN=0.00
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fwE=0.00
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SecZ=1.39
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TiltNS=-8.2
ESW=-7.467 -5.840 -4.334
T123=12.6 13.1 13.8
ALT/AZ=46.0 81.0
sdW=799.3
fwW=0.00
sdS=826.4
fwS=0.00
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