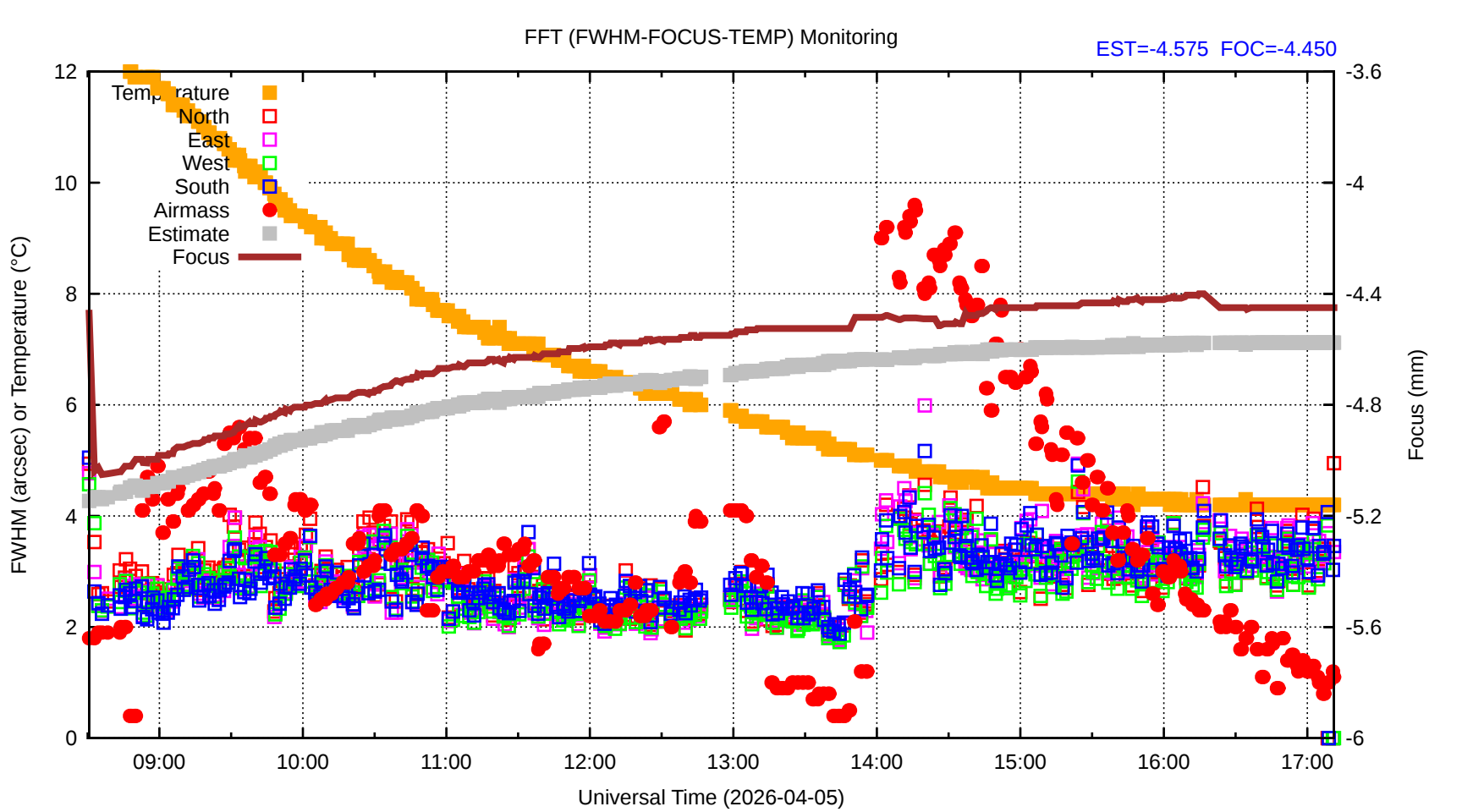
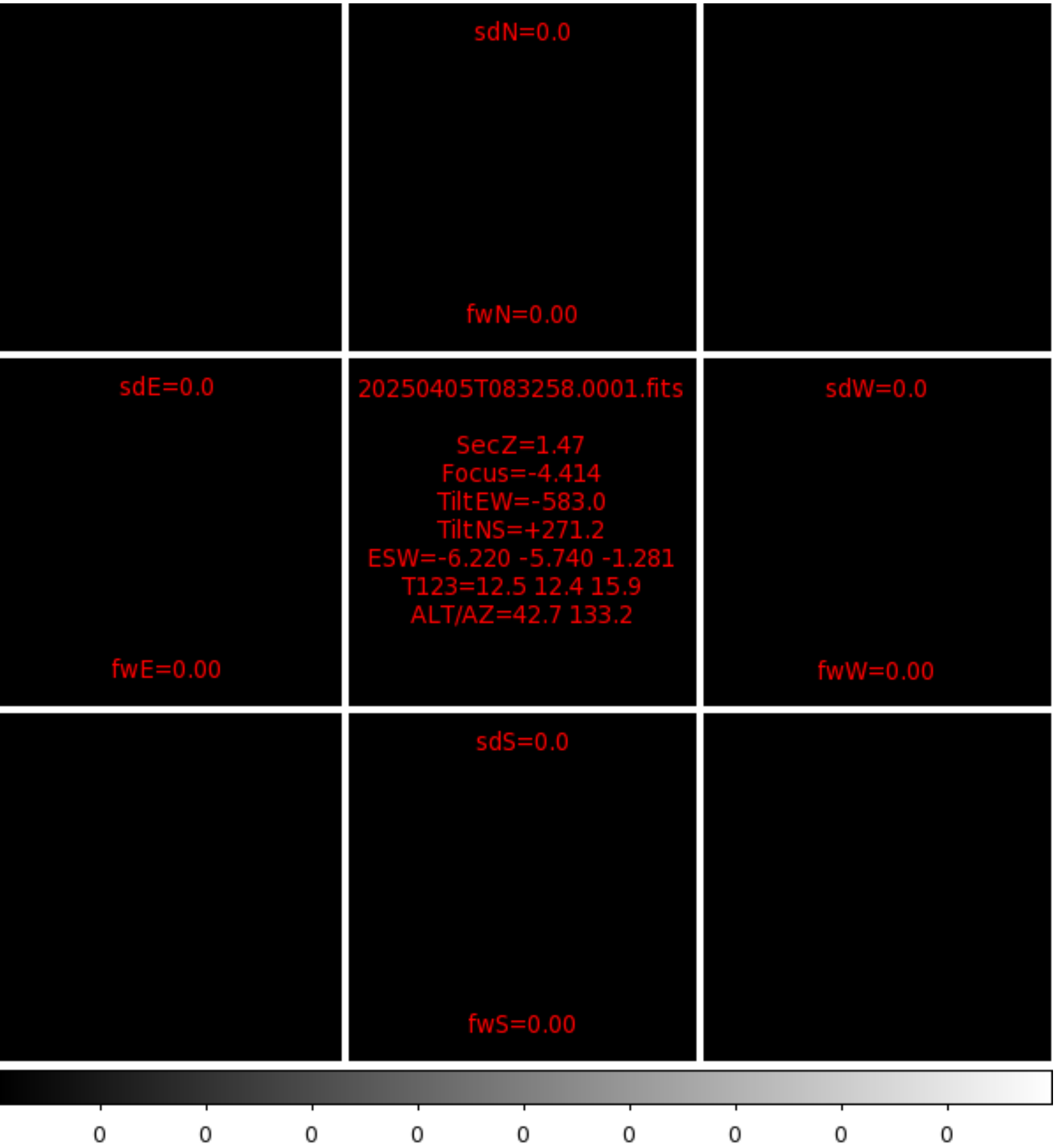

FFT (FWHM-FOCUS-TEMP) Monitoring
EST=-4.575 FOC=-4.450
Temperature
North
East
West
South
Airmass
Estimate
Focus
FWHM (arcsec) or Temperature (°C)
Focus (mm)
Universal Time (2026-04-05)
0
2
4
6
8
10
12
-3.6
-4
-4.4
-4.8
-5.2
-5.6
-6
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00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SecZ=1.47
Focus=-4.414
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.220 -5.740 -1.281
T123=12.5 12.4 15.9
ALT/AZ=42.7 133.2
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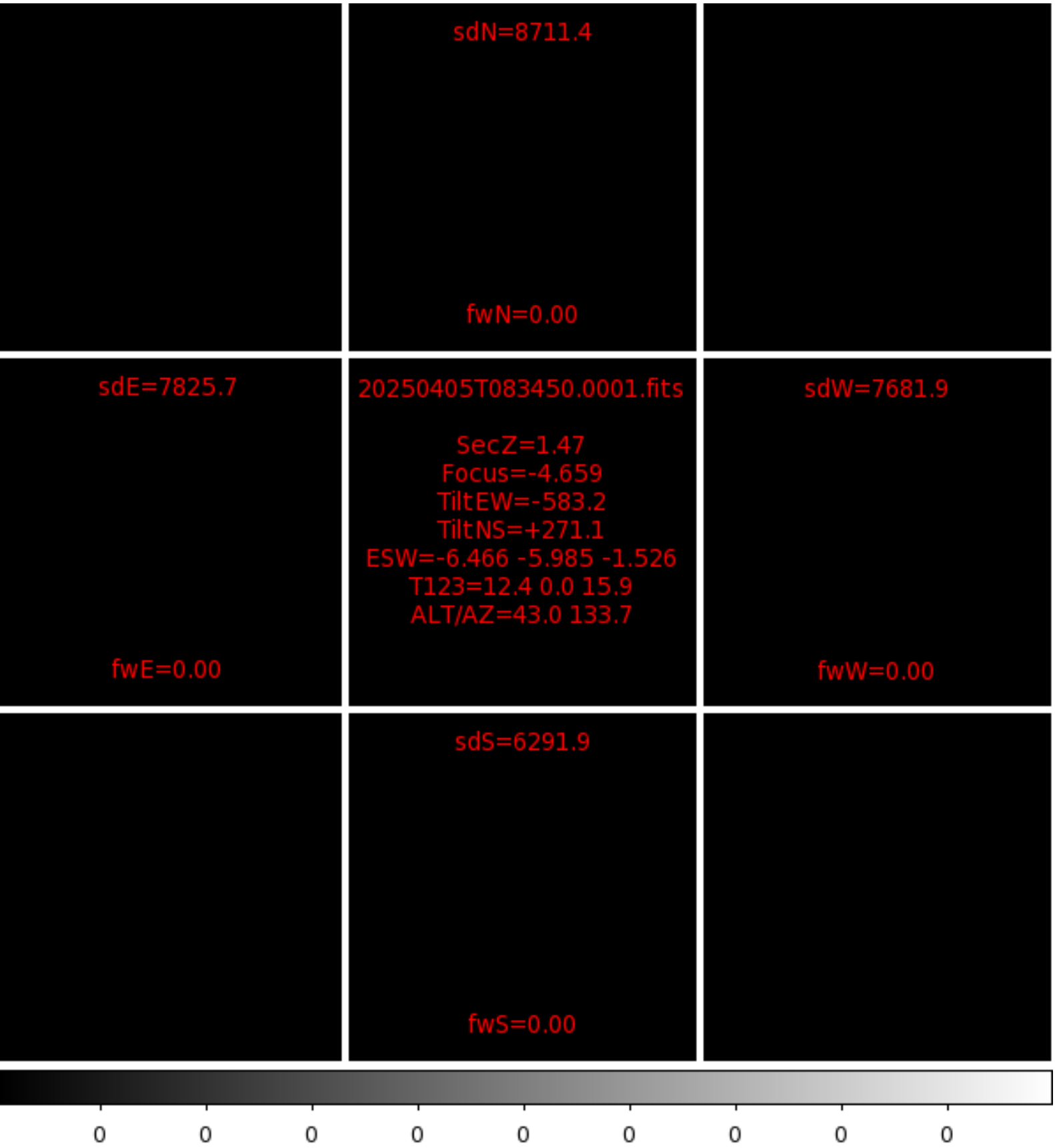
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sdE=7825.7
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SecZ=1.47
Focus=-4.659
TiltEW=-583.2
TiltNS=+271.1
ESW=-6.466 -5.985 -1.526
T123=12.4 0.0 15.9
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sdW=7681.9
fwW=0.00
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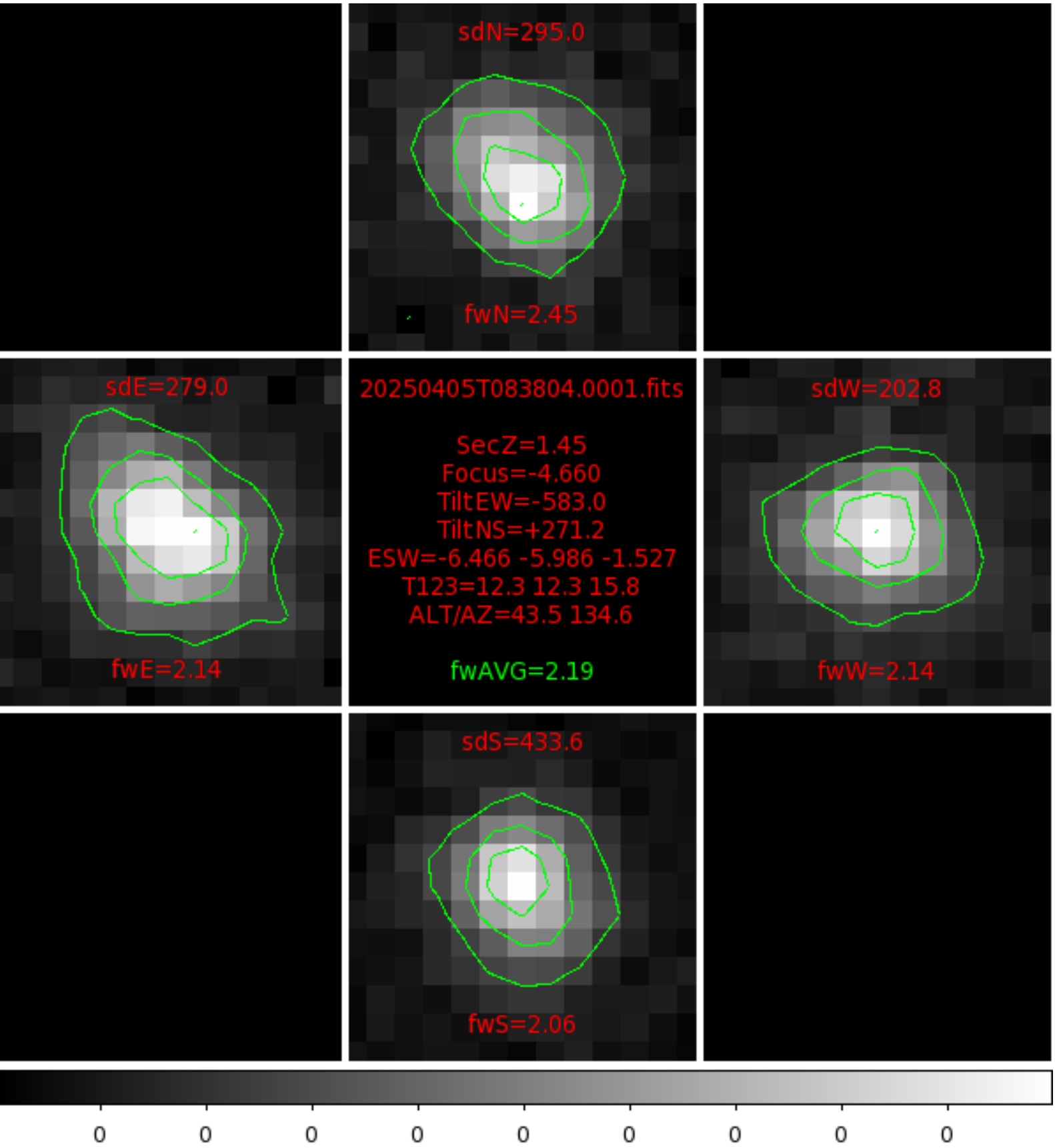
sdN=295.0
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SecZ=1.45
Focus=-4.660
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.466 -5.986 -1.527
T123=12.3 12.3 15.8
ALT/AZ=43.5 134.6
fwAVG=2.19
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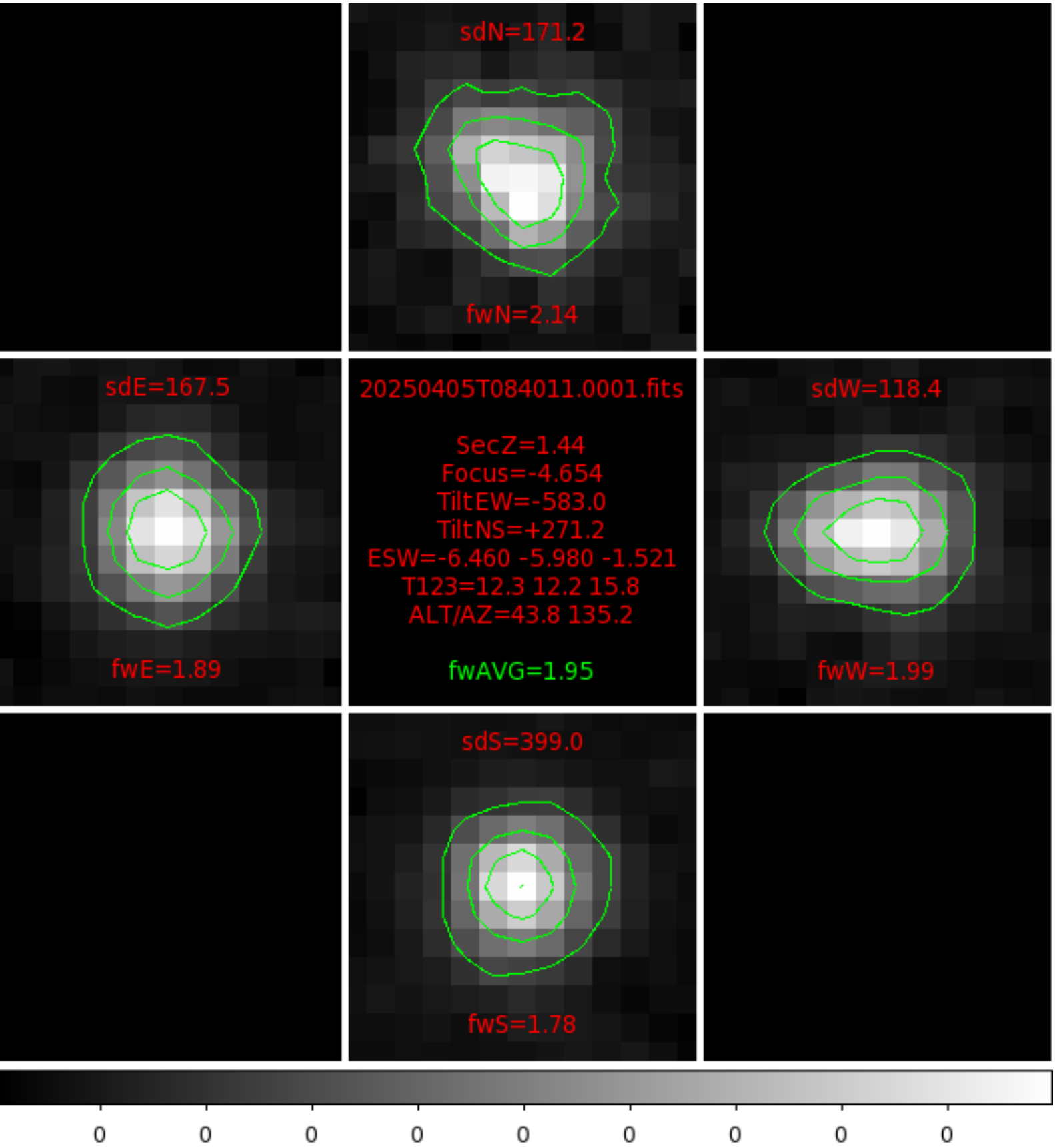
sdN=171.2
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sdE=167.5
fwE=1.89
20250405T084011.0001.fits
SecZ=1.44
Focus=-4.654
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.460 -5.980 -1.521
T123=12.3 12.2 15.8
ALT/AZ=43.8 135.2
fwAVG=1.95
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sdS=399.0
fwS=1.78
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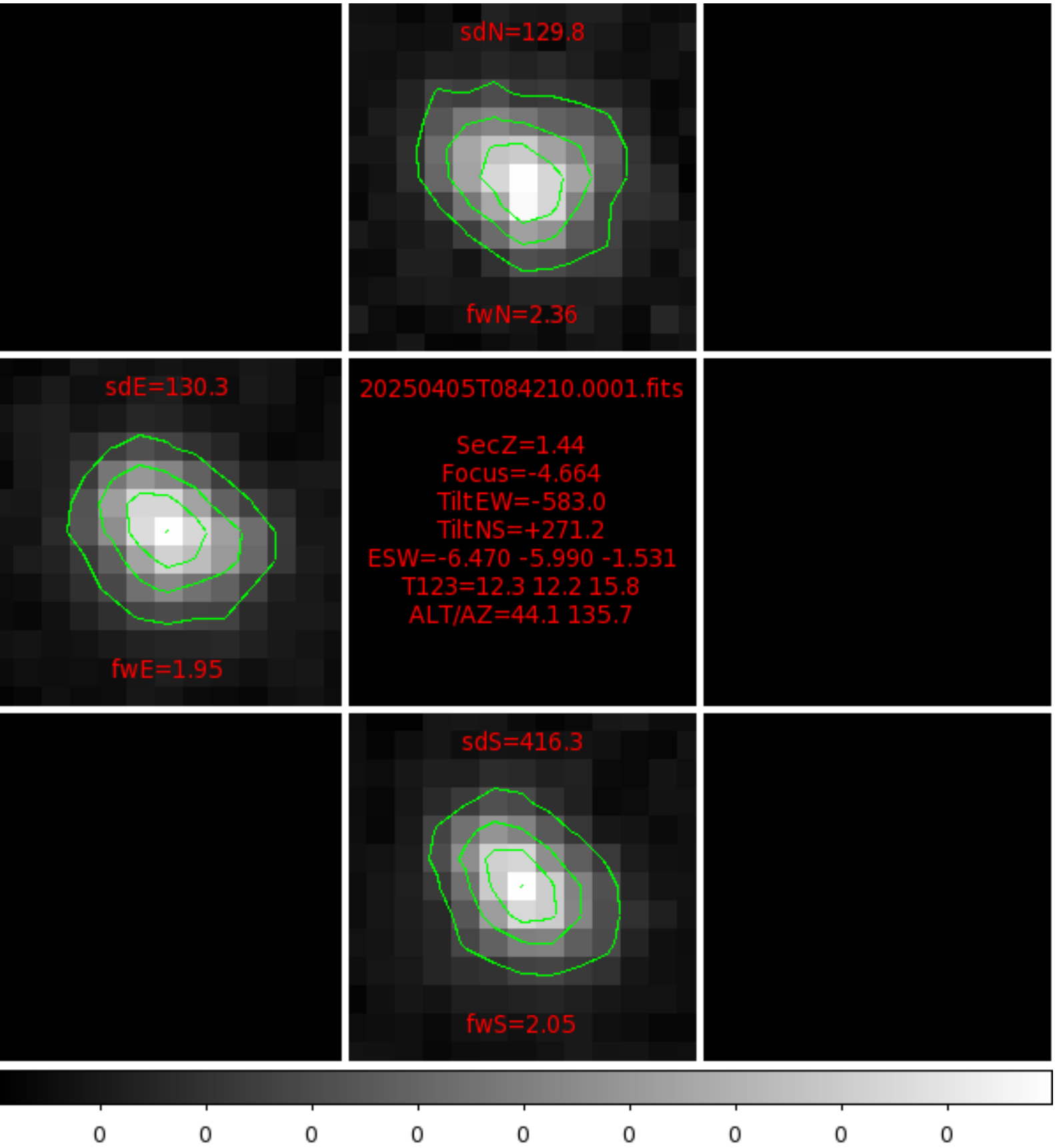
sdN=129.8
fwN=2.36
sdE=130.3
fwE=1.95
20250405T084210.0001.fits
SecZ=1.44
Focus=-4.664
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.470 -5.990 -1.531
T123=12.3 12.2 15.8
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sdS=416.3
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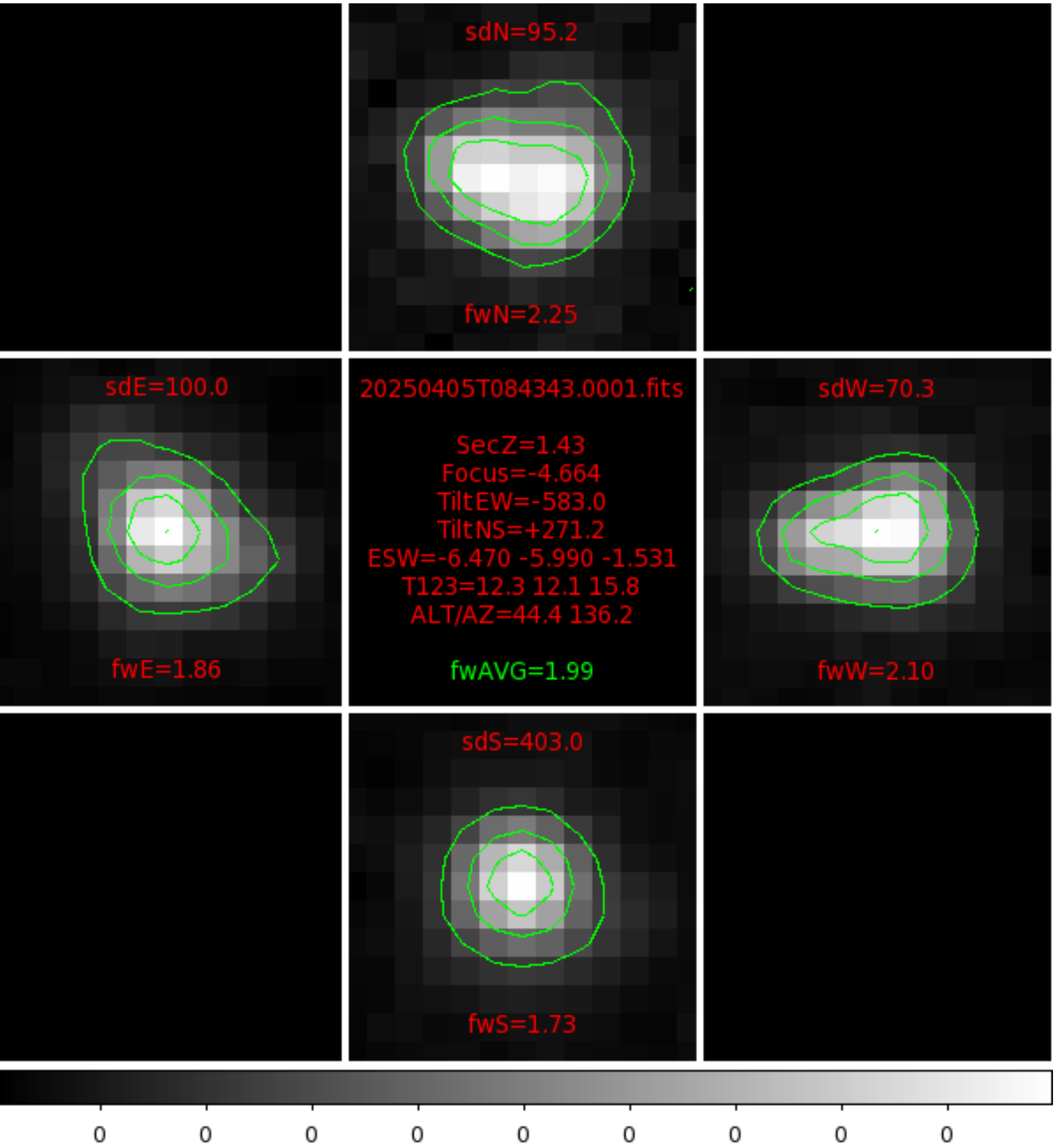
sdN=95.2
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SecZ=1.43
Focus=-4.664
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.470 -5.990 -1.531
T123=12.3 12.1 15.8
ALT/AZ=44.4 136.2
fwAVG=1.99
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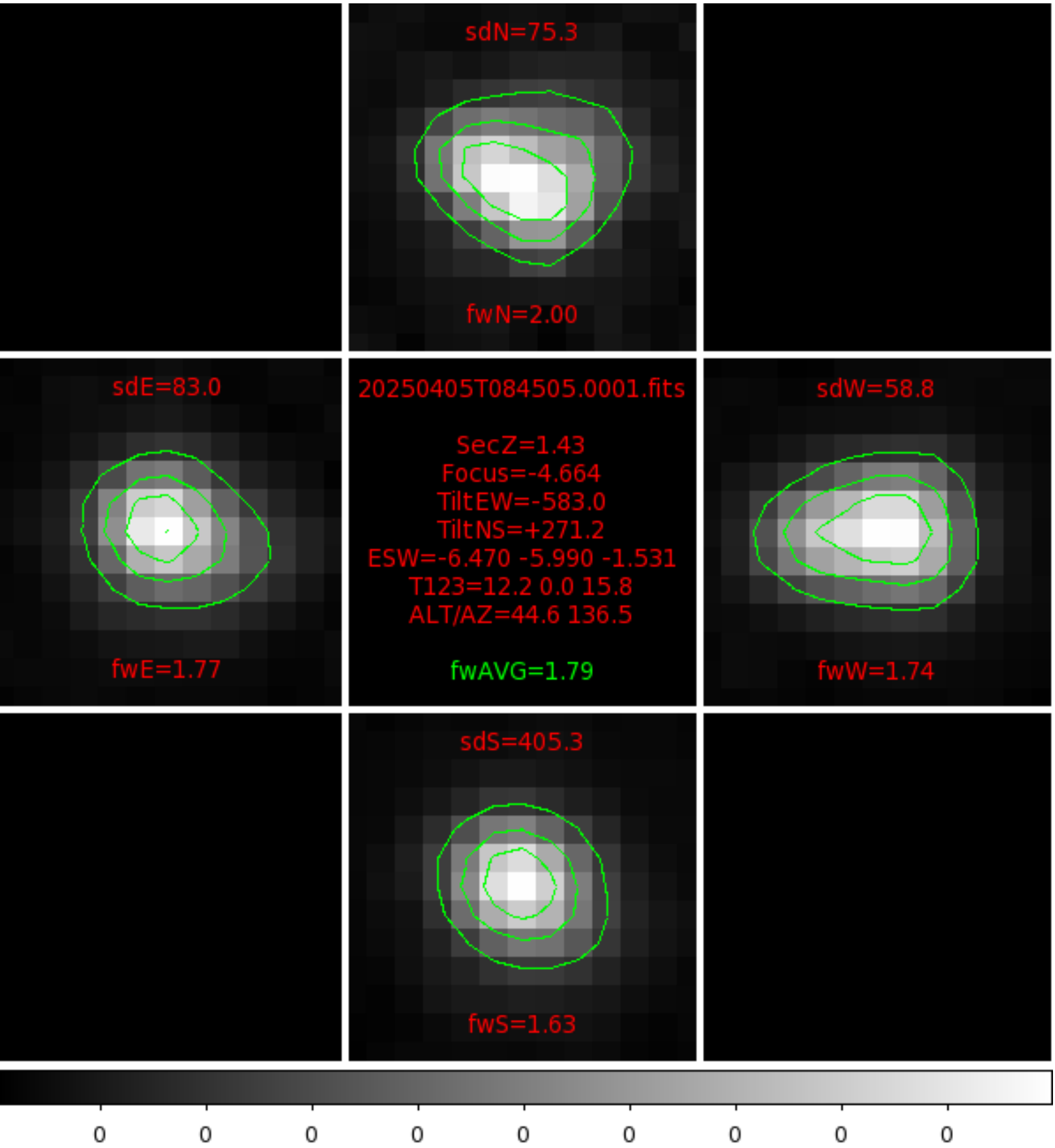
sdN=75.3
fwN=2.00
sdE=83.0
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SecZ=1.43
Focus=-4.664
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.470 -5.990 -1.531
T123=12.2 0.0 15.8
ALT/AZ=44.6 136.5
fwAVG=1.79
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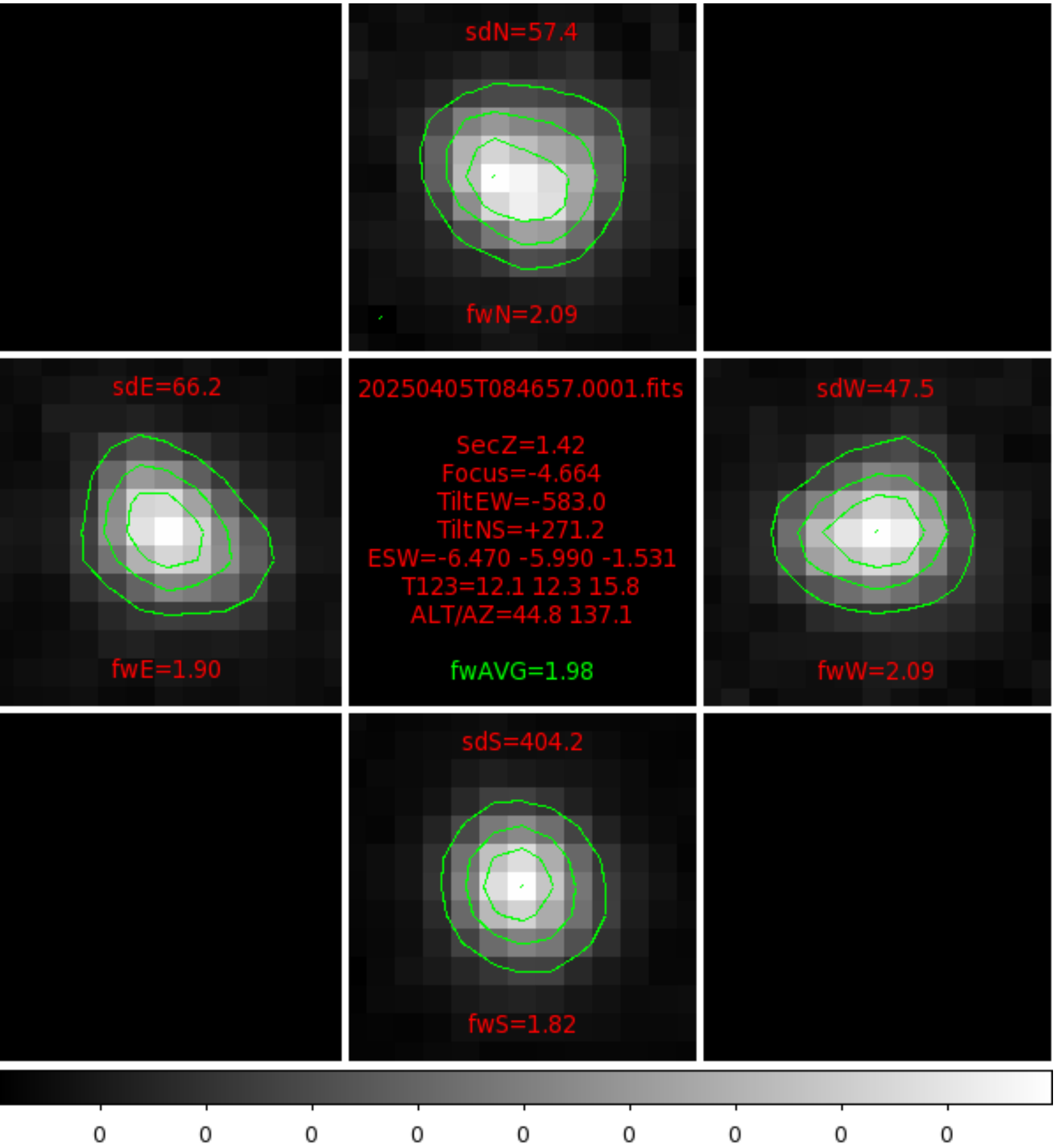
sdN=57.4
fwN=2.09
sdE=66.2
fwE=1.90
20250405T084657.0001.fits
SecZ=1.42
Focus=-4.664
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.470 -5.990 -1.531
T123=12.1 12.3 15.8
ALT/AZ=44.8 137.1
fwAVG=1.98
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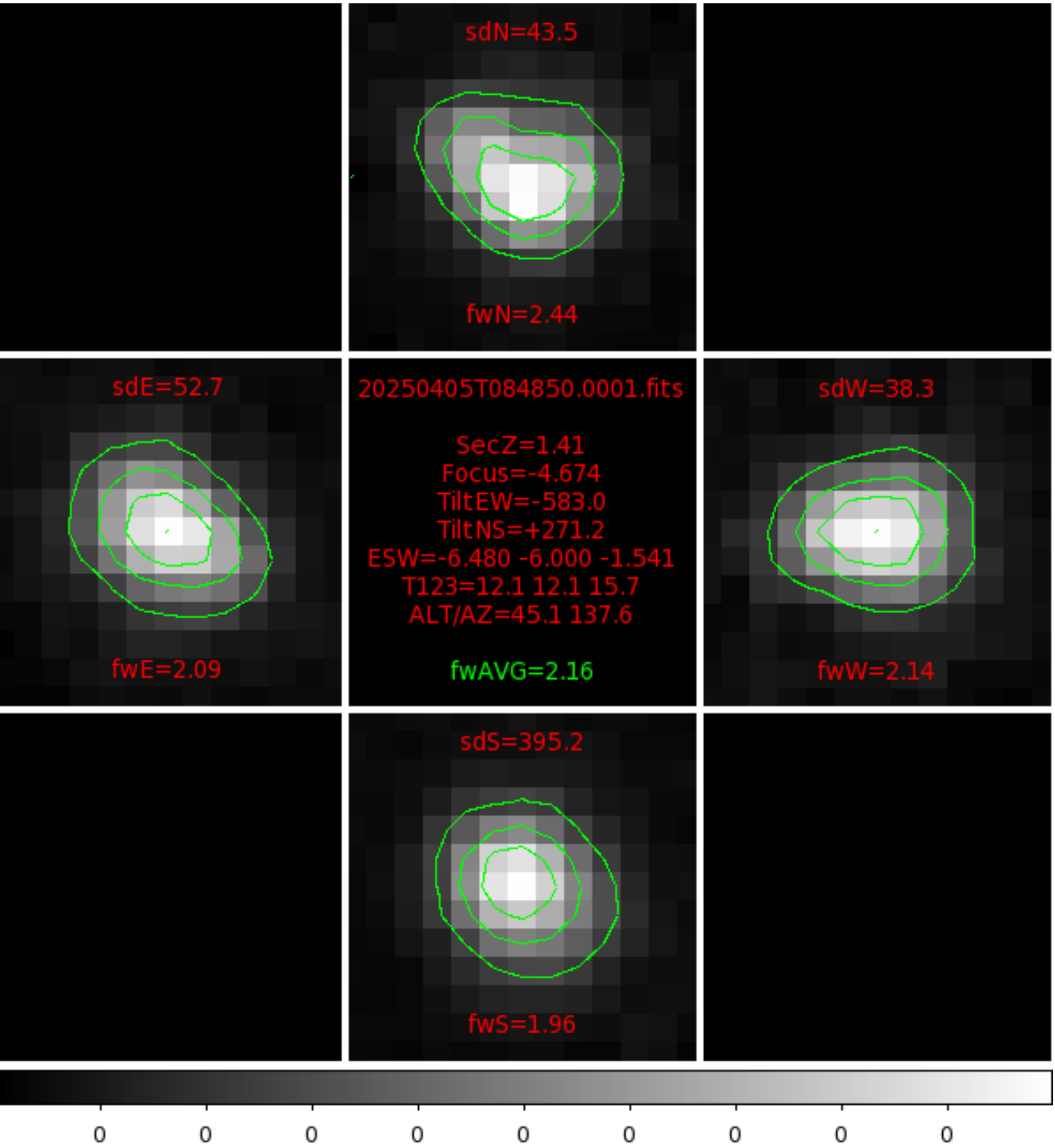
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SecZ=1.41
Focus=-4.674
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.480 -6.000 -1.541
T123=12.1 12.1 15.7
ALT/AZ=45.1 137.6
fwAVG=2.16
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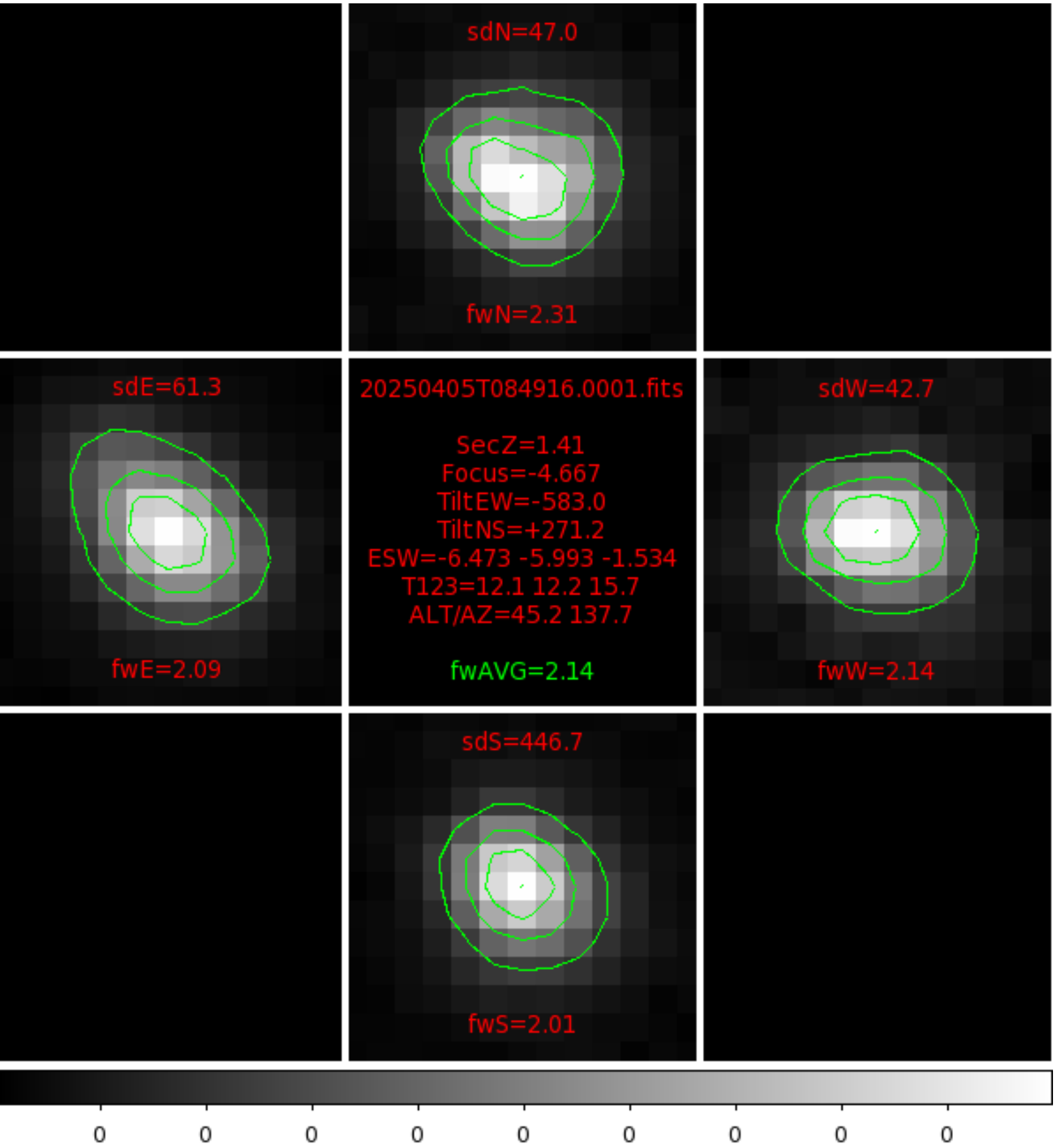
sdN=47.0
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fwE=2.09
20250405T084916.0001.fits
SecZ=1.41
Focus=-4.667
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.473 -5.993 -1.534
T123=12.1 12.2 15.7
ALT/AZ=45.2 137.7
fwAVG=2.14
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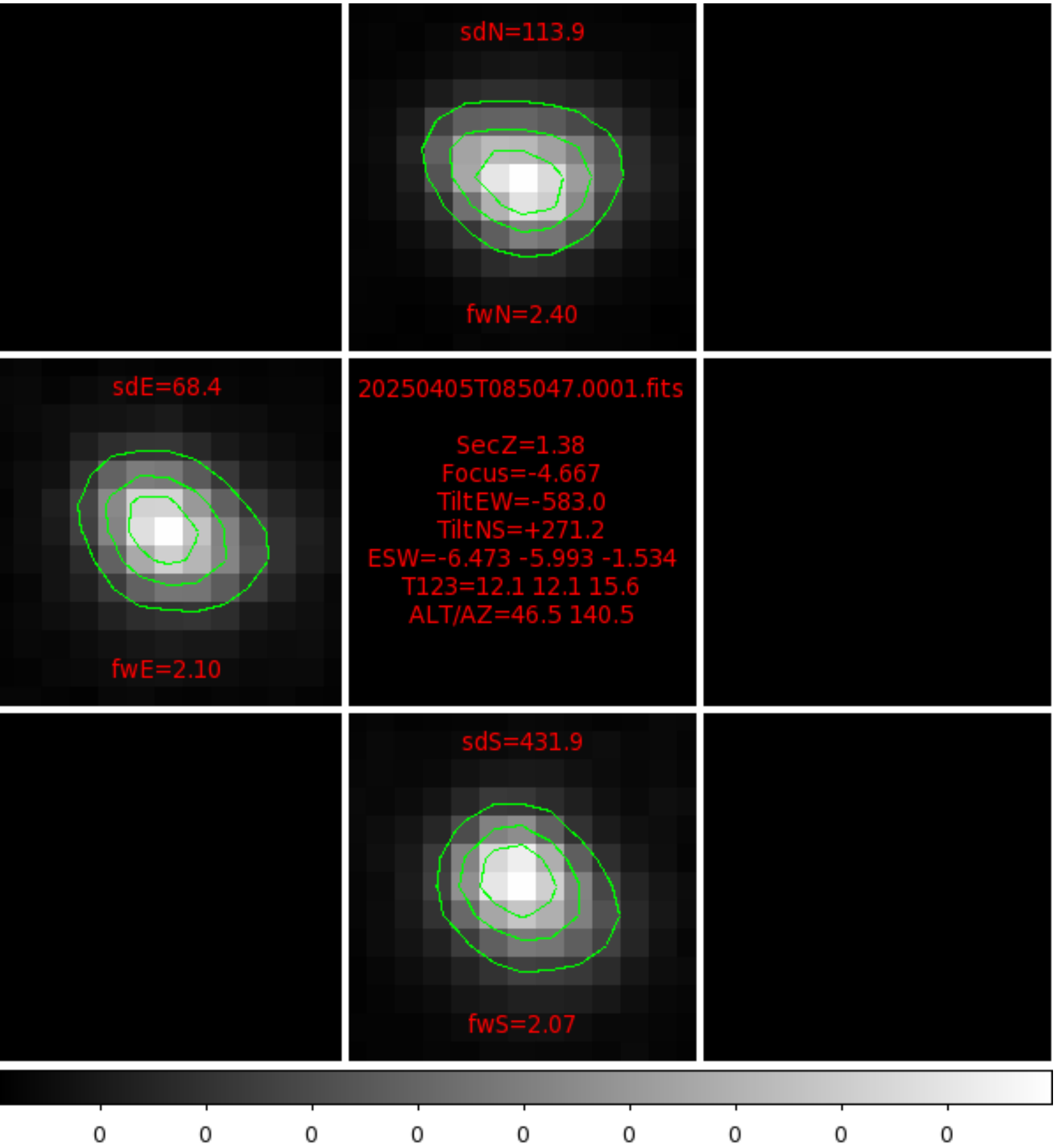
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SecZ=1.38
Focus=-4.667
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.473 -5.993 -1.534
T123=12.1 12.1 15.6
ALT/AZ=46.5 140.5
sdS=431.9
fwS=2.07
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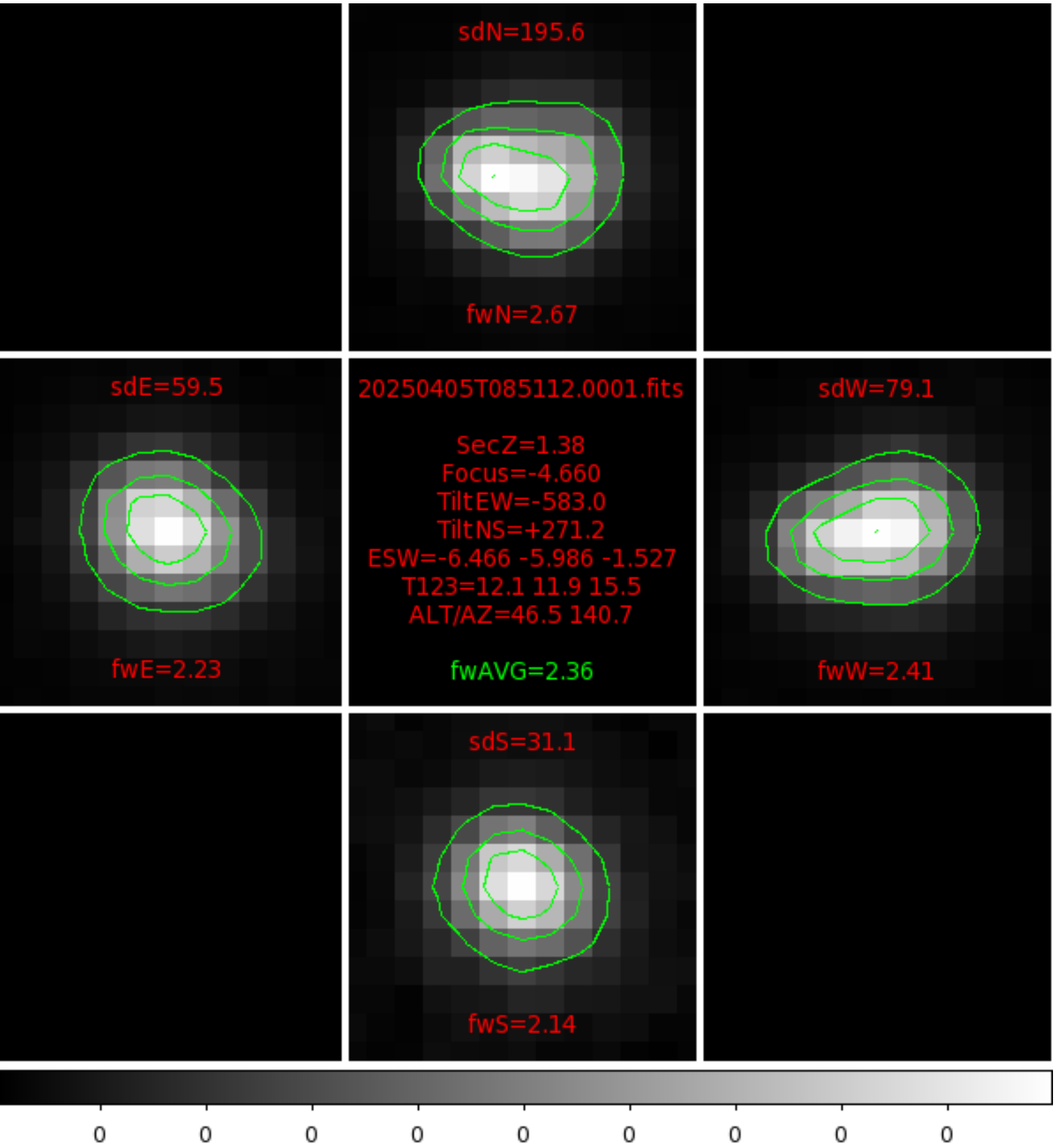
sdN=195.6
fwN=2.67
sdE=59.5
fwE=2.23
20250405T085112.0001.fits
SecZ=1.38
Focus=-4.660
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.466 -5.986 -1.527
T123=12.1 11.9 15.5
ALT/AZ=46.5 140.7
fwAVG=2.36
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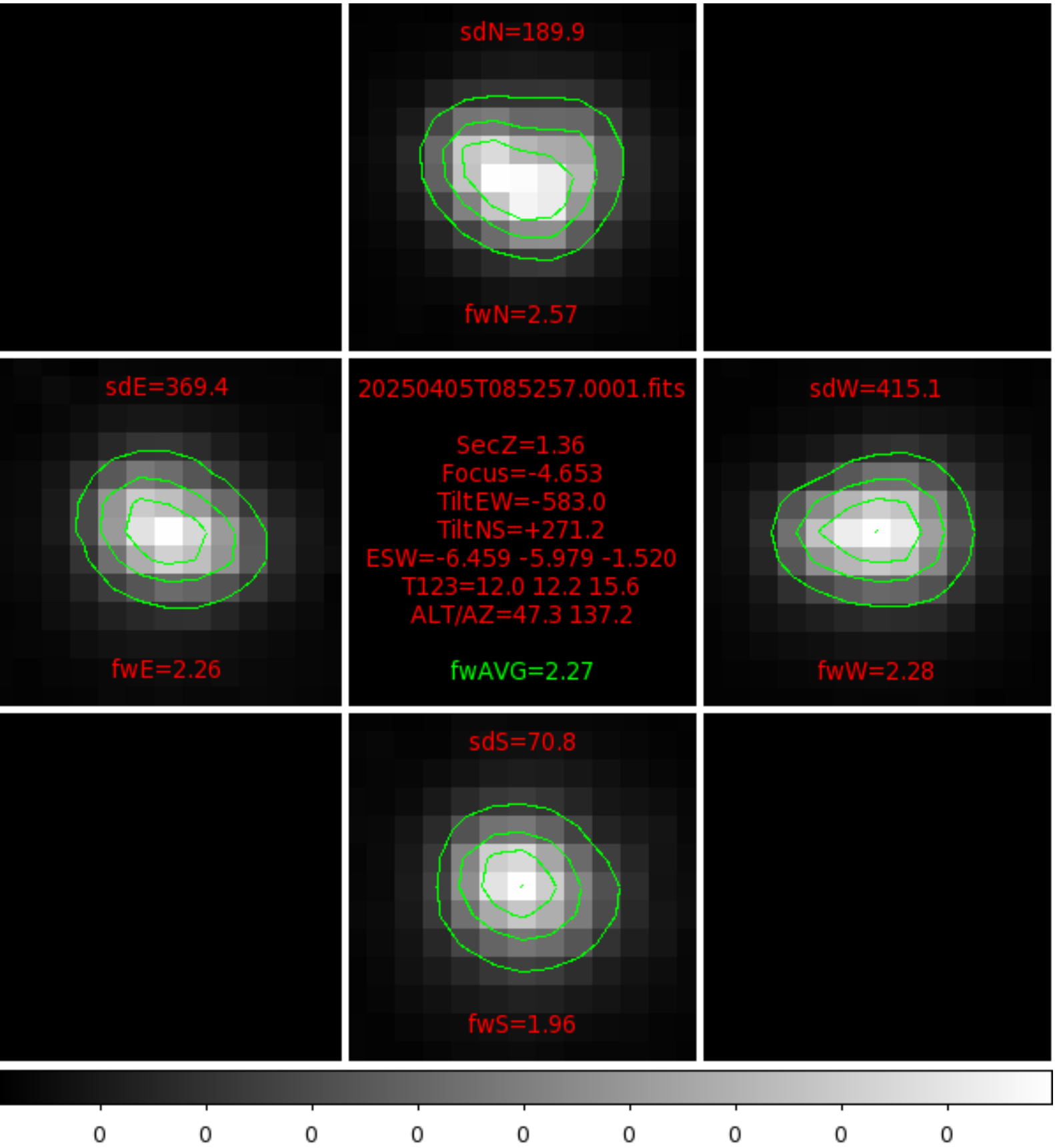
sdN=189.9
fwN=2.57
sdE=369.4
fwE=2.26
20250405T085257.0001.fits
SecZ=1.36
Focus=-4.653
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.459 -5.979 -1.520
T123=12.0 12.2 15.6
ALT/AZ=47.3 137.2
fwAVG=2.27
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sdS=70.8
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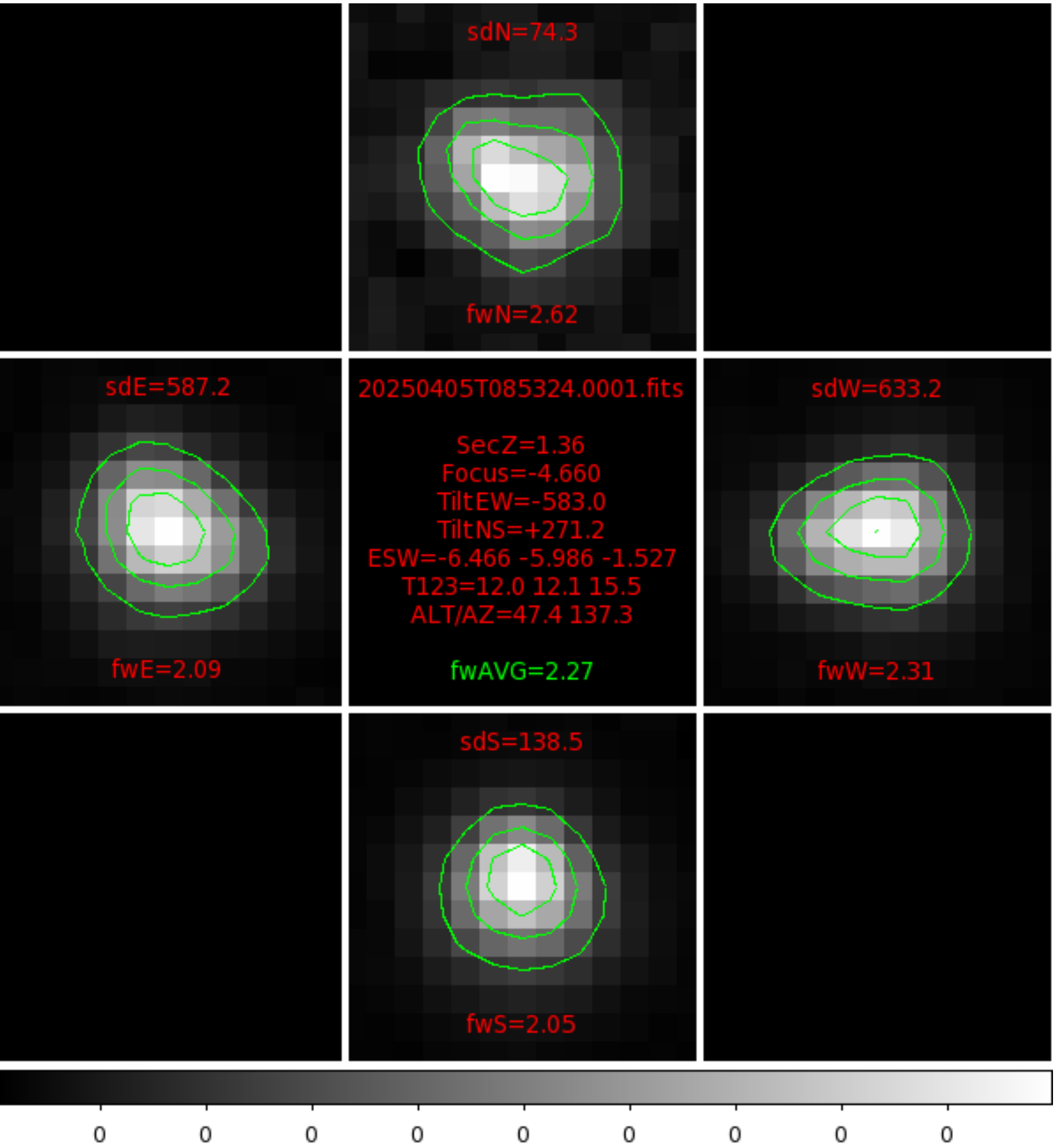
sdN=74.3
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sdE=587.2
fwE=2.09
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SecZ=1.36
Focus=-4.660
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.466 -5.986 -1.527
T123=12.0 12.1 15.5
ALT/AZ=47.4 137.3
fwAVG=2.27
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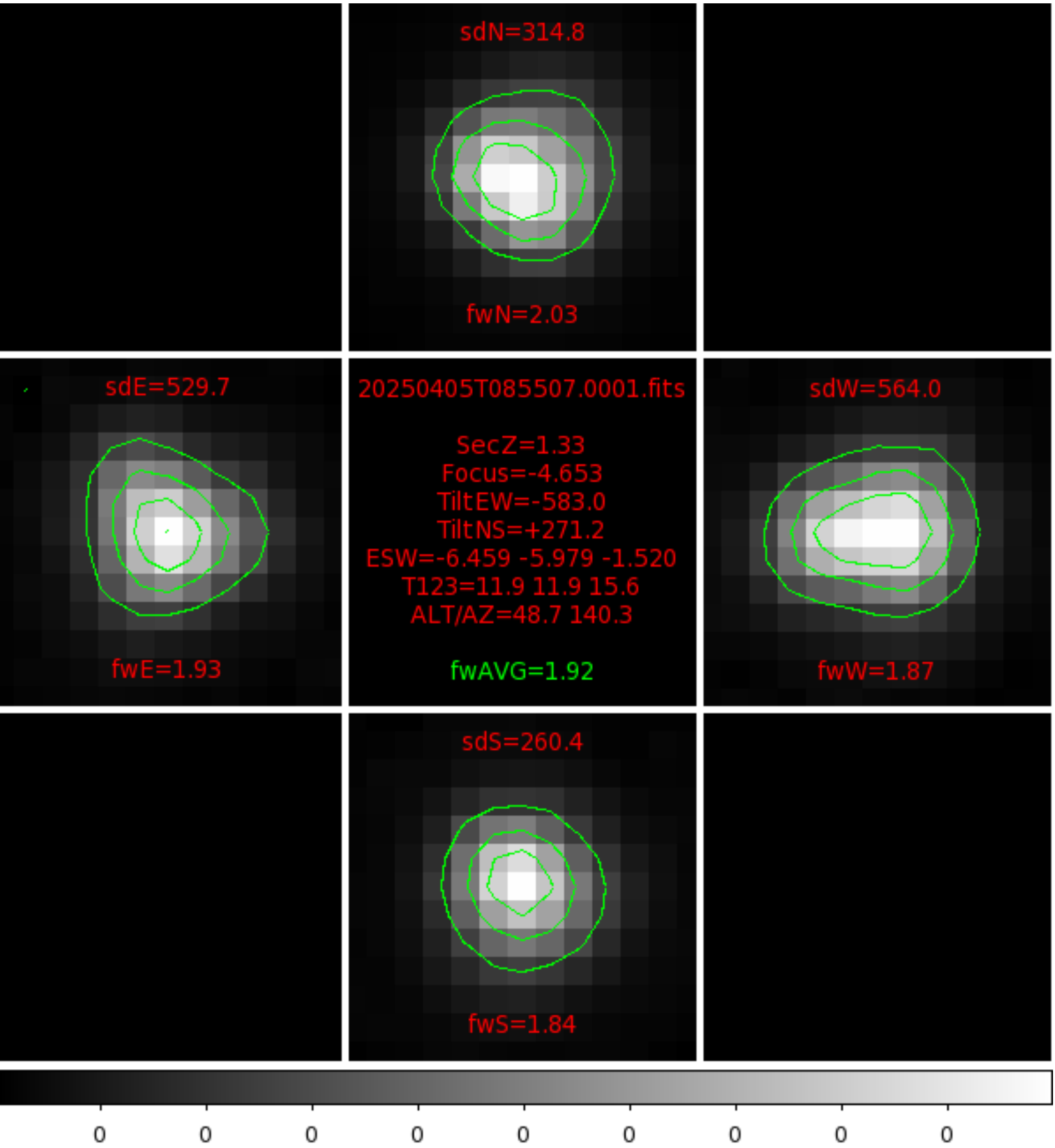
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fwE=1.93
20250405T085507.0001.fits
SecZ=1.33
Focus=-4.653
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.459 -5.979 -1.520
T123=11.9 11.9 15.6
ALT/AZ=48.7 140.3
fwAVG=1.92
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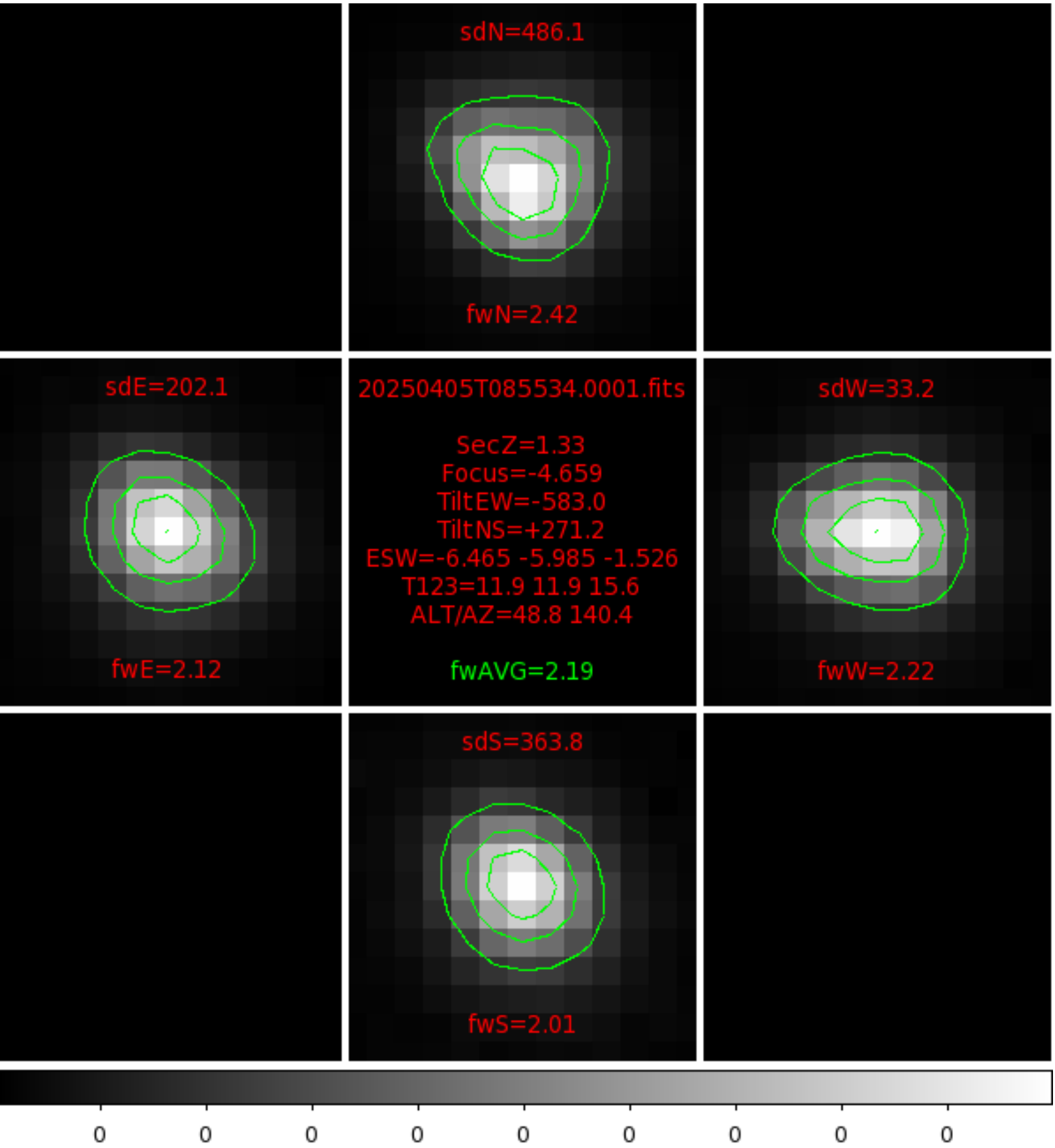
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sdE=202.1
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SecZ=1.33
Focus=-4.659
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.465 -5.985 -1.526
T123=11.9 11.9 15.6
ALT/AZ=48.8 140.4
fwAVG=2.19
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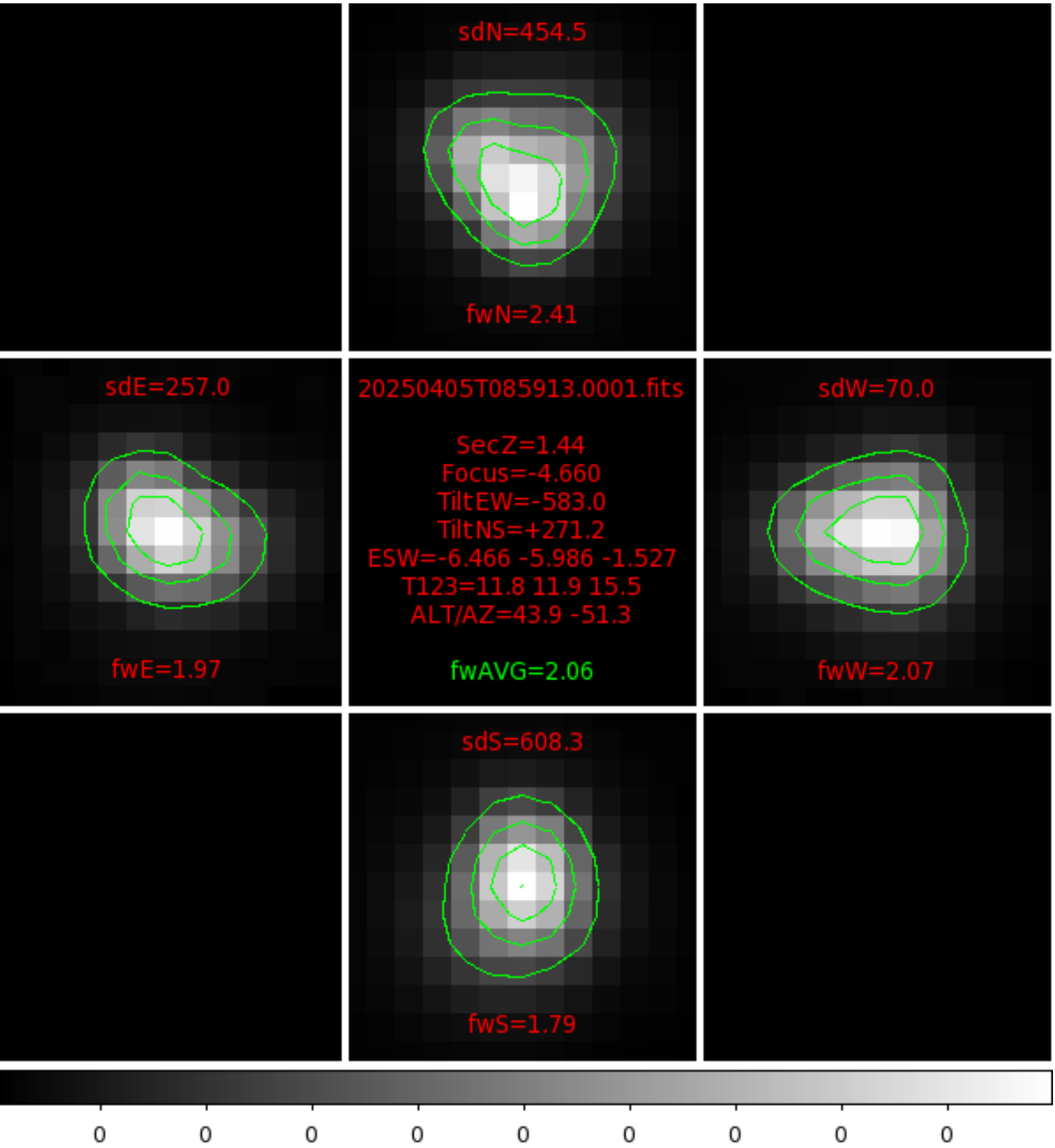
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sdE=257.0
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Focus=-4.660
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.466 -5.986 -1.527
T123=11.8 11.9 15.5
ALT/AZ=43.9 -51.3
fwAVG=2.06
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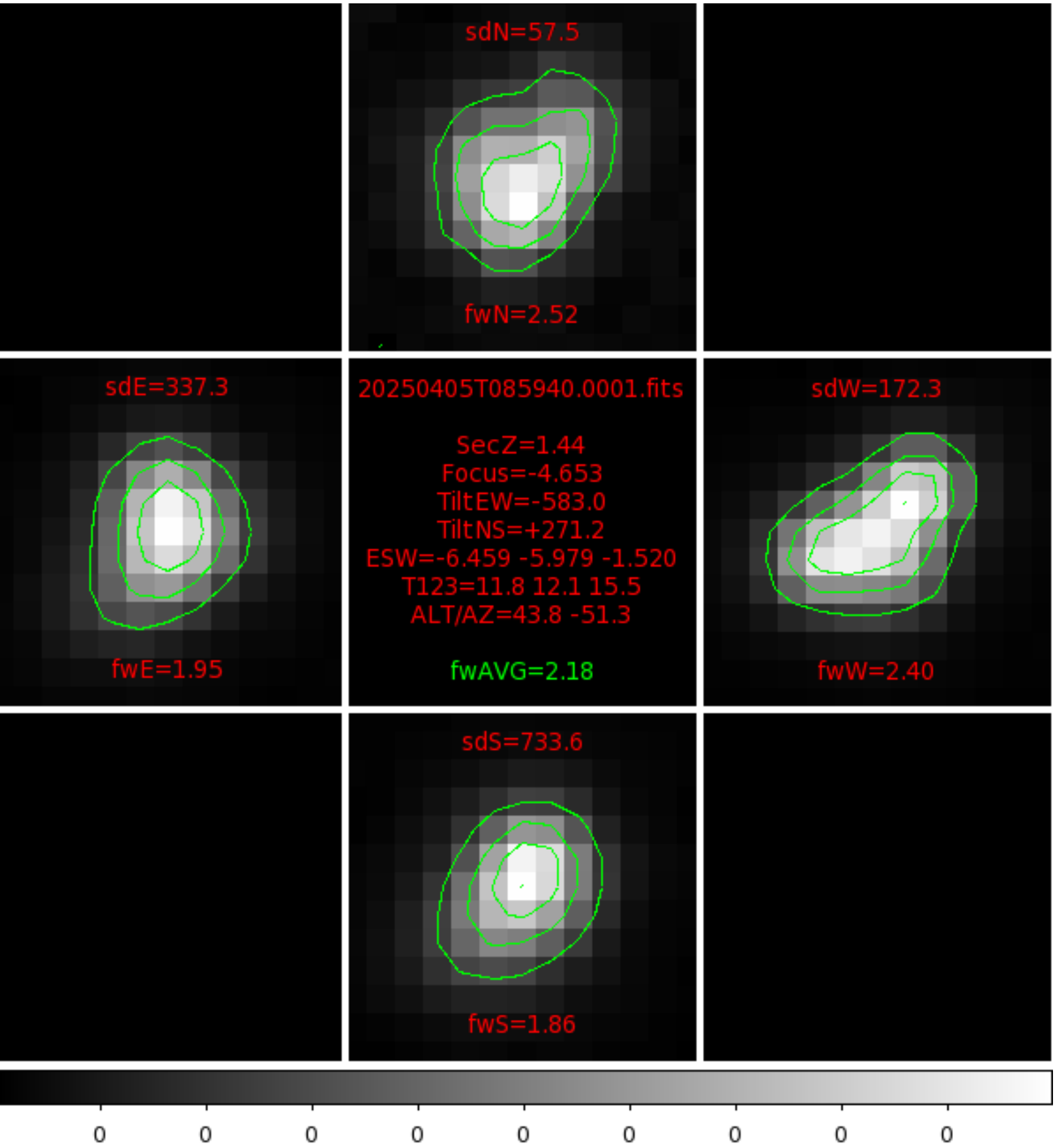
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fwE=1.95
20250405T085940.0001.fits
SecZ=1.44
Focus=-4.653
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.459 -5.979 -1.520
T123=11.8 12.1 15.5
ALT/AZ=43.8 -51.3
fwAVG=2.18
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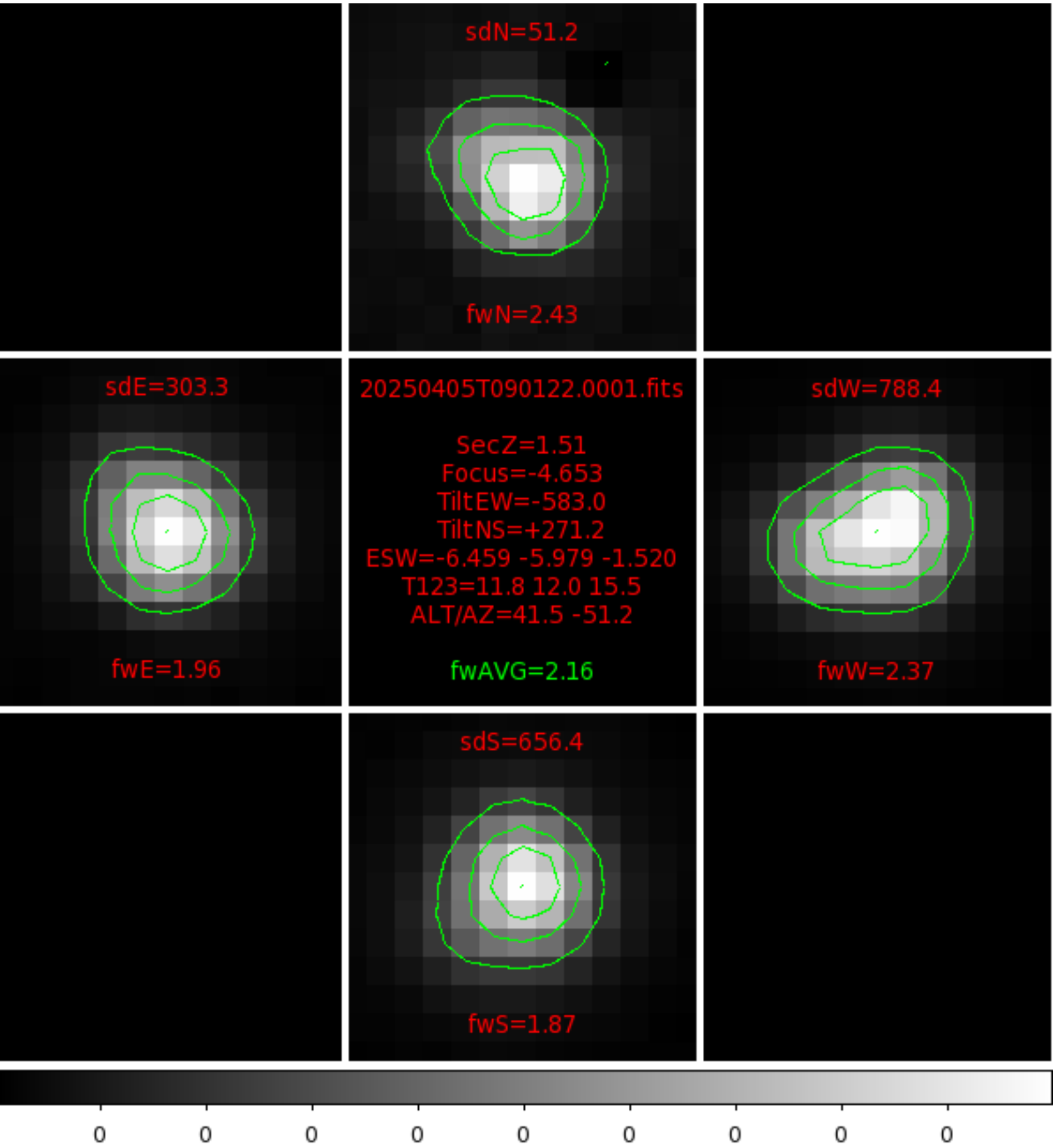
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Focus=-4.653
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.459 -5.979 -1.520
T123=11.8 12.0 15.5
ALT/AZ=41.5 -51.2
fwAVG=2.16
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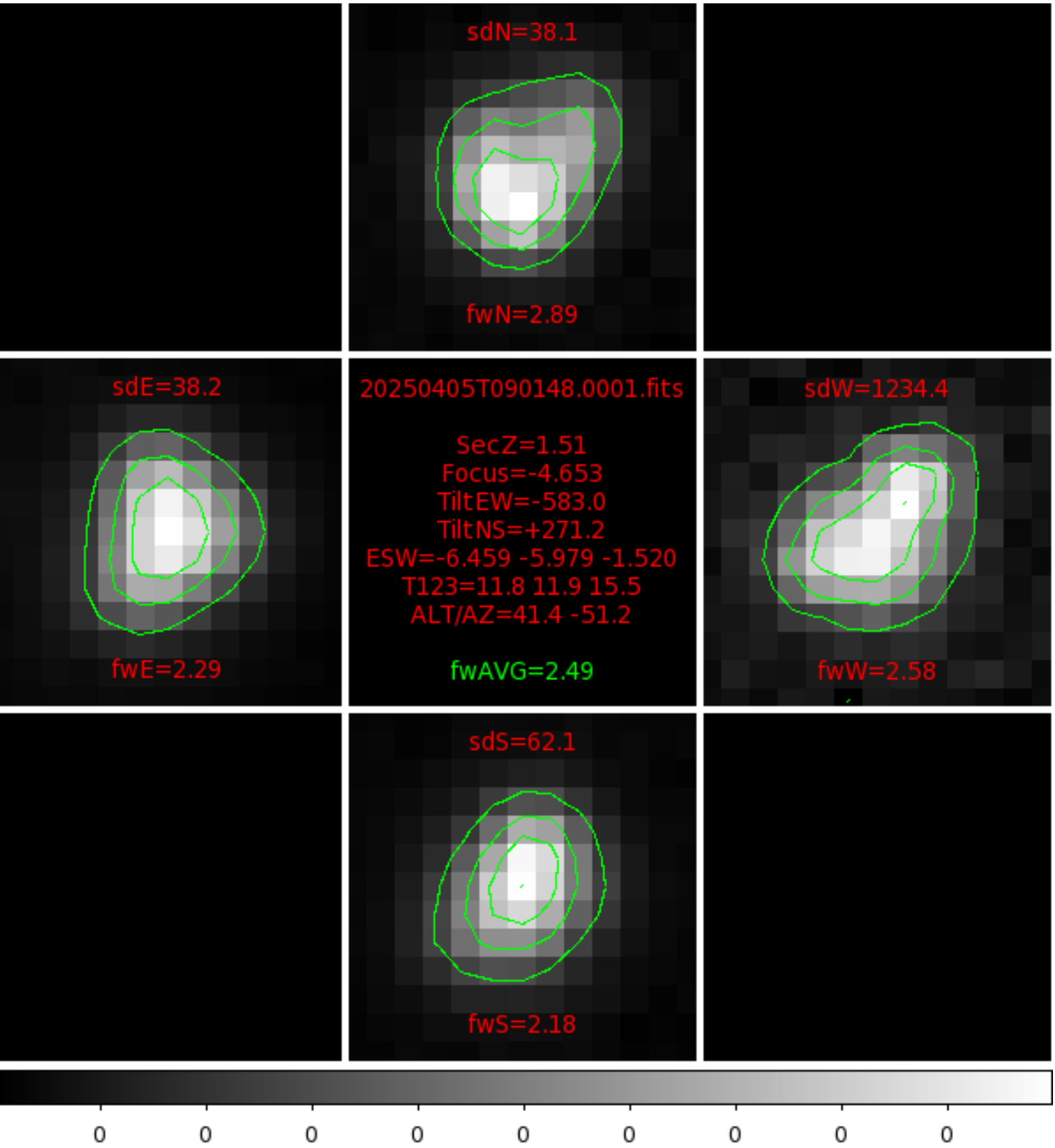
sdN=38.1
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fwE=2.29
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SecZ=1.51
Focus=-4.653
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.459 -5.979 -1.520
T123=11.8 11.9 15.5
ALT/AZ=41.4 -51.2
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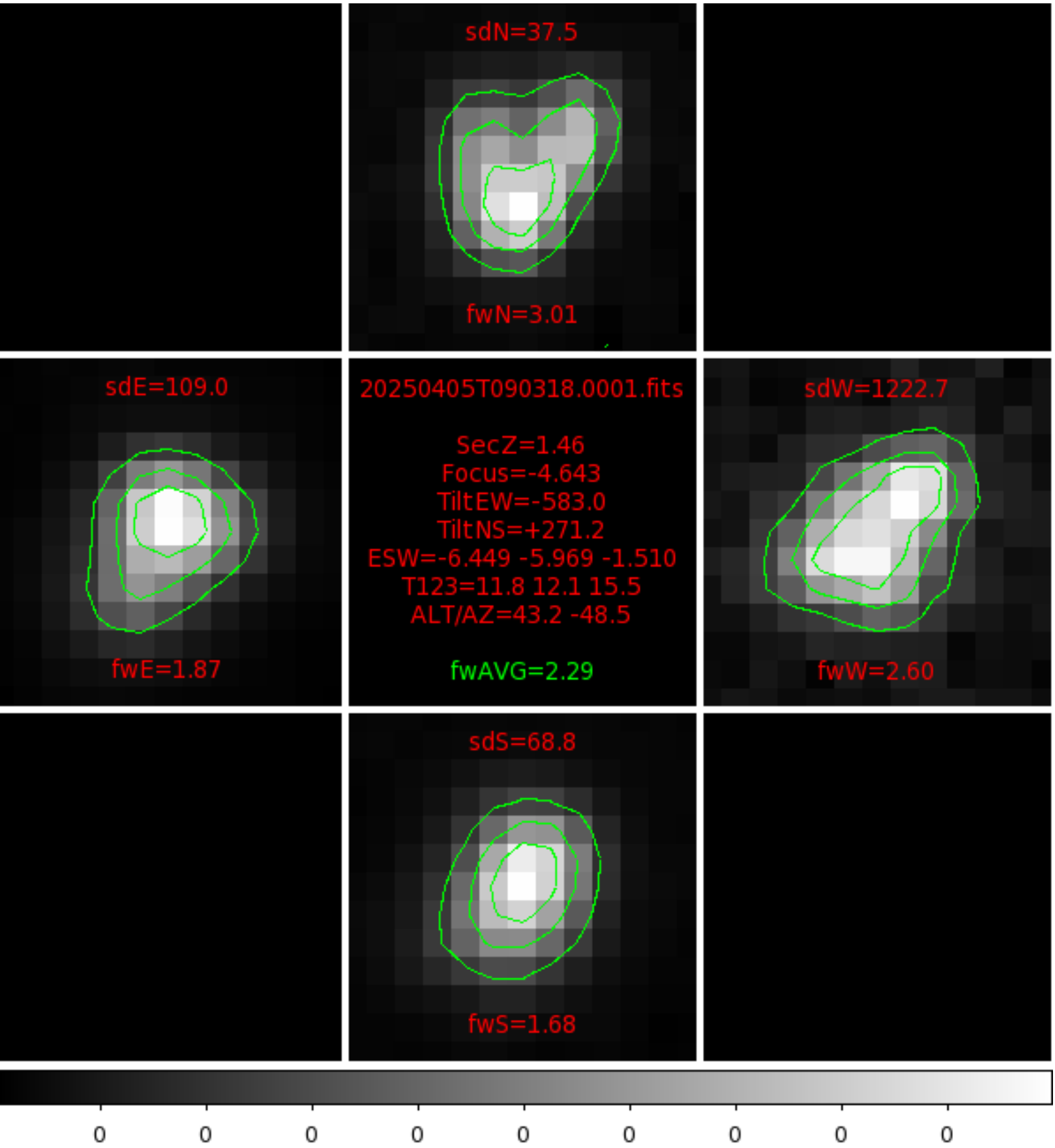
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Focus=-4.643
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.449 -5.969 -1.510
T123=11.8 12.1 15.5
ALT/AZ=43.2 -48.5
fwAVG=2.29
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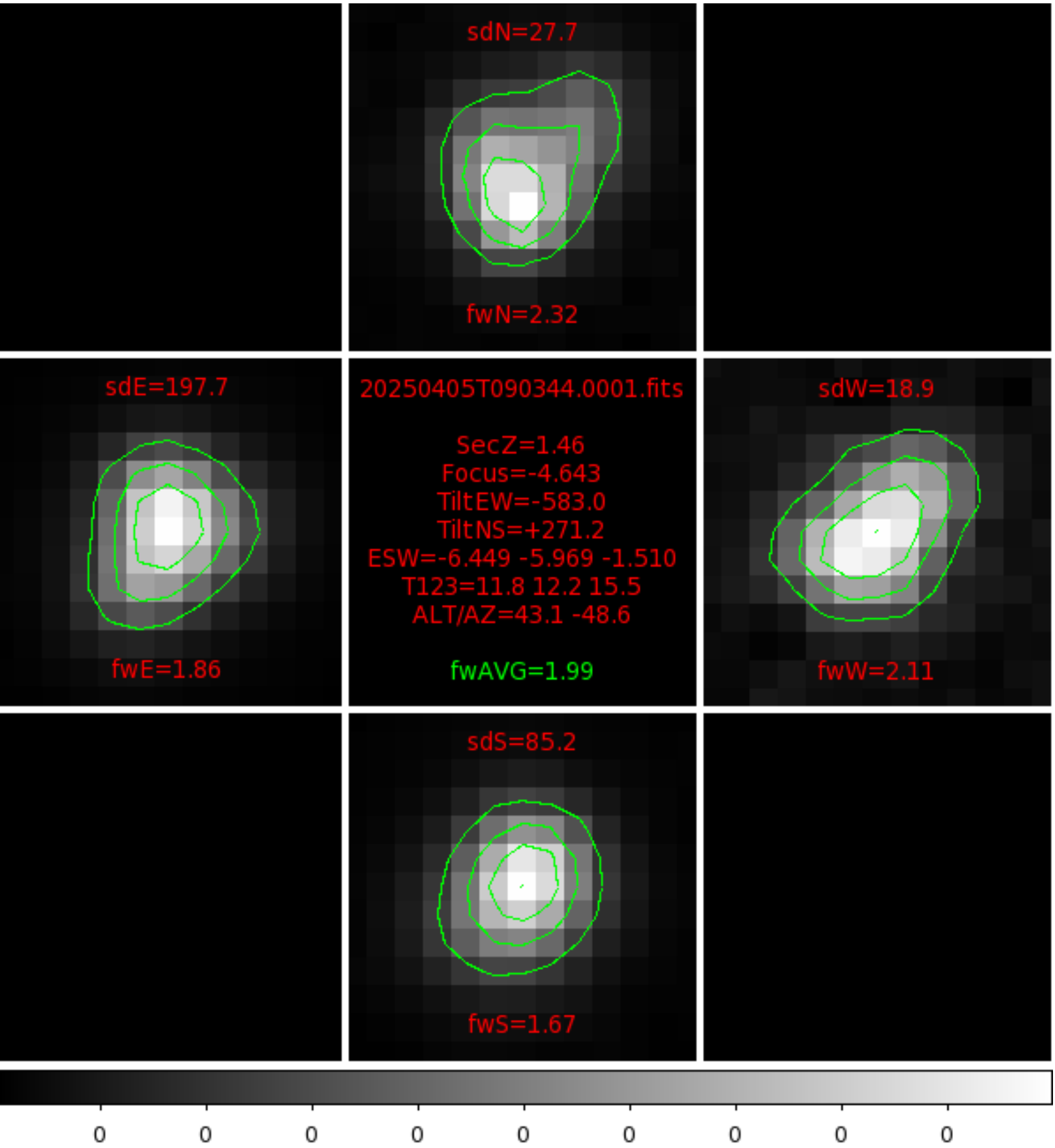
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SecZ=1.46
Focus=-4.643
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.449 -5.969 -1.510
T123=11.8 12.2 15.5
ALT/AZ=43.1 -48.6
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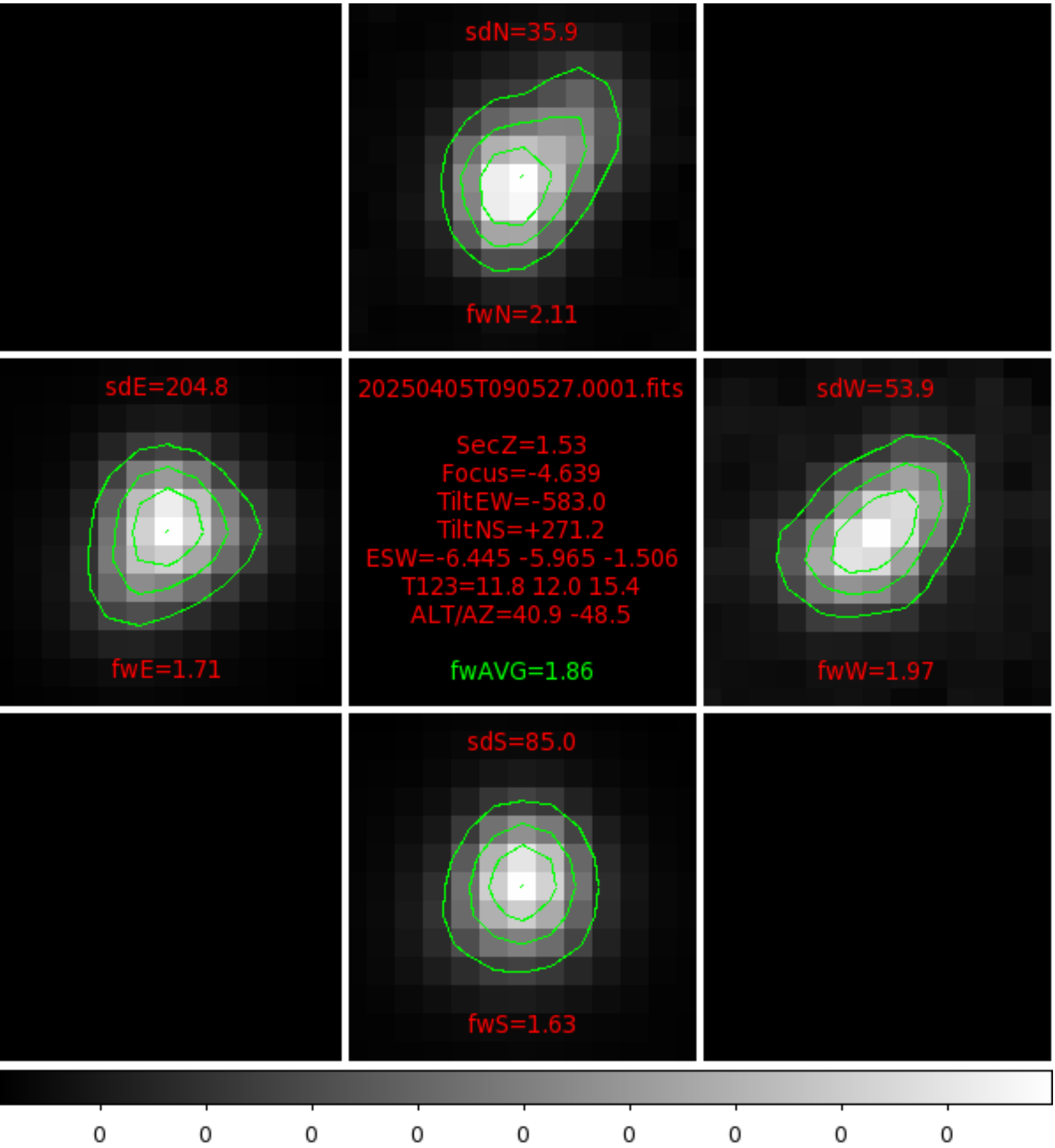
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sdE=204.8
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SecZ=1.53
Focus=-4.639
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.445 -5.965 -1.506
T123=11.8 12.0 15.4
ALT/AZ=40.9 -48.5
fwAVG=1.86
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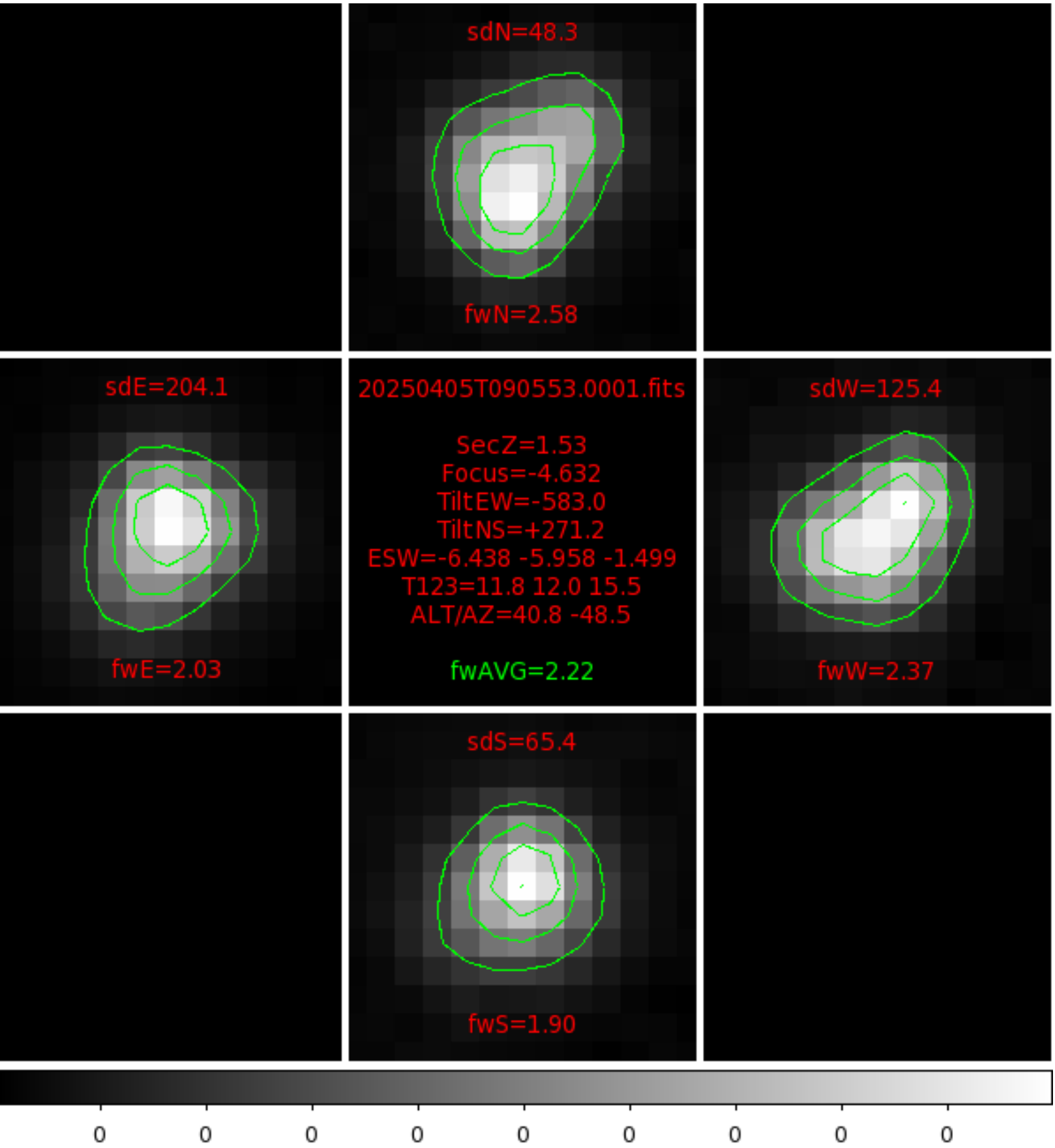
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SecZ=1.53
Focus=-4.632
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.438 -5.958 -1.499
T123=11.8 12.0 15.5
ALT/AZ=40.8 -48.5
fwAVG=2.22
sdW=125.4
fwW=2.37
sdS=65.4
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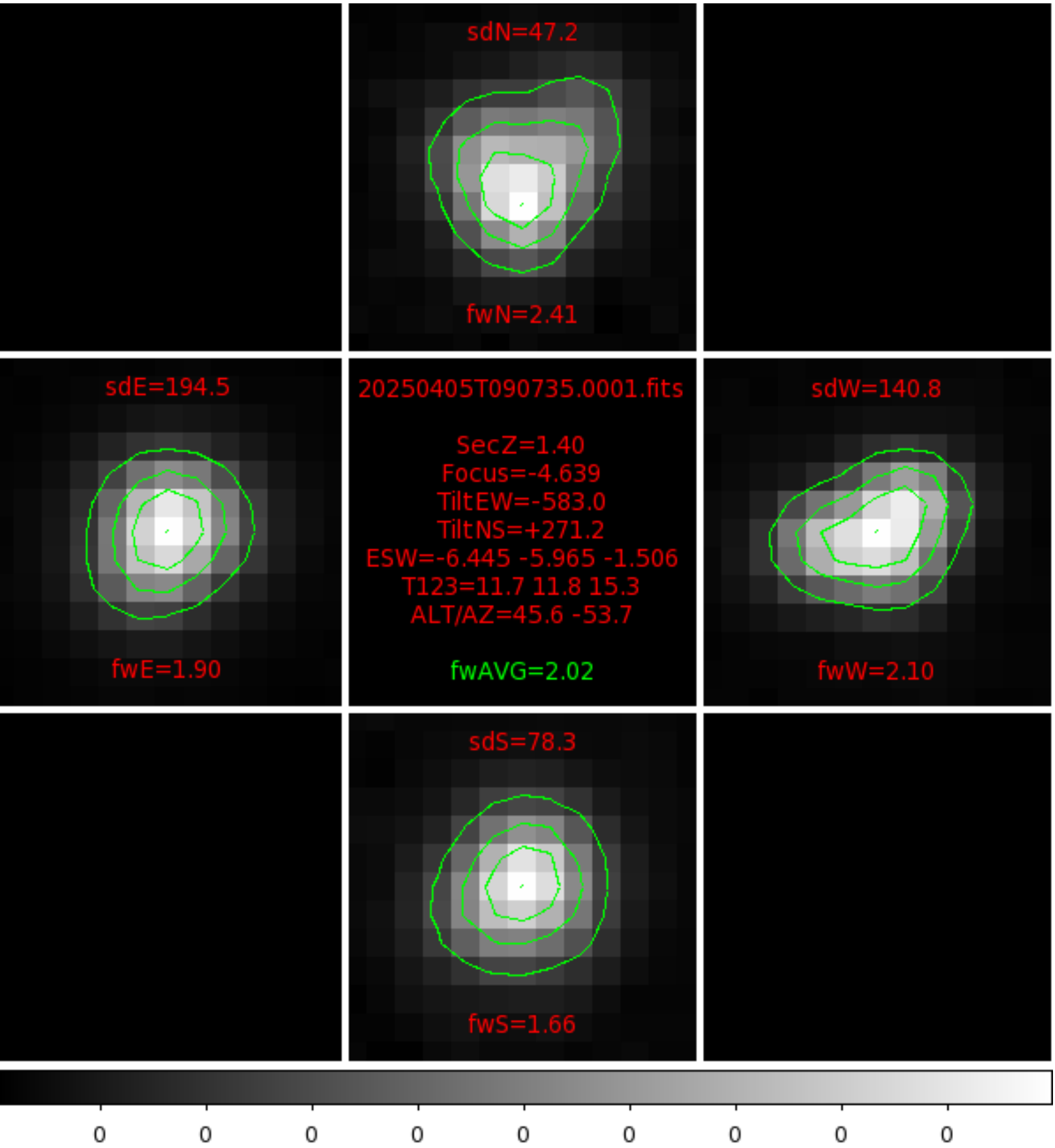
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Focus=-4.639
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.445 -5.965 -1.506
T123=11.7 11.8 15.3
ALT/AZ=45.6 -53.7
fwAVG=2.02
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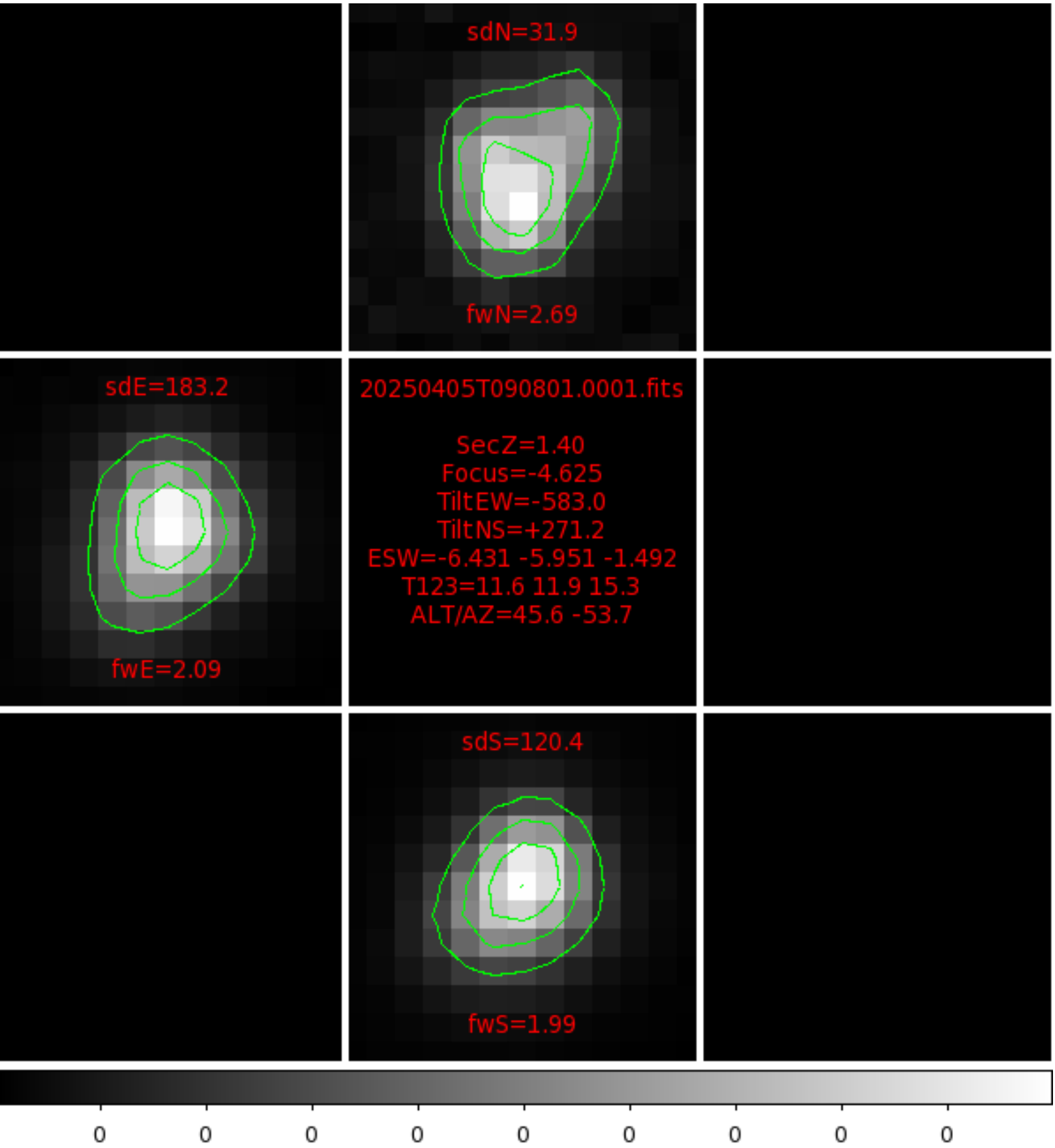
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20250405T090801.0001.fits
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Focus=-4.625
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.431 -5.951 -1.492
T123=11.6 11.9 15.3
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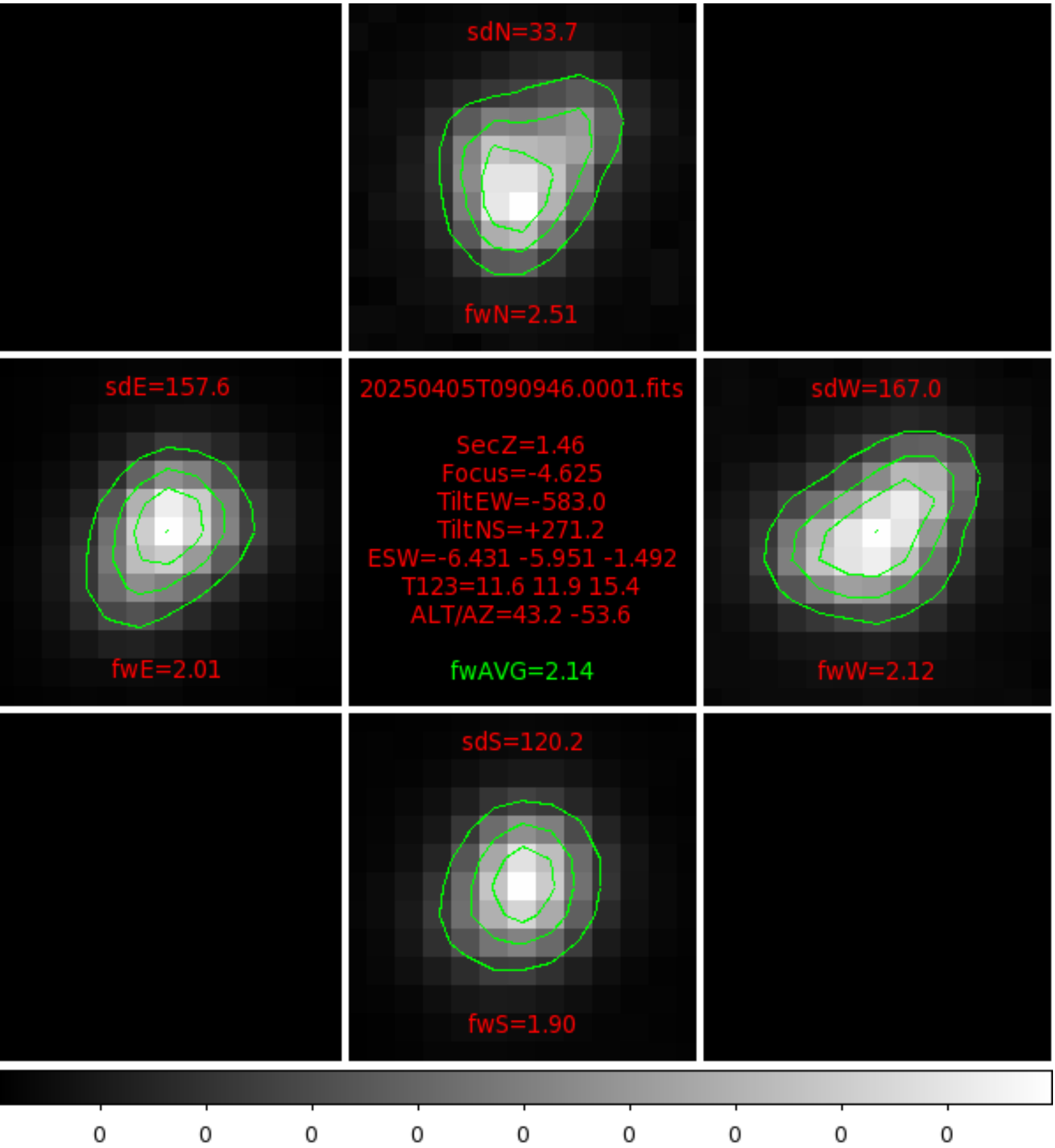
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ESW=-6.431 -5.951 -1.492
T123=11.6 11.9 15.4
ALT/AZ=43.2 -53.6
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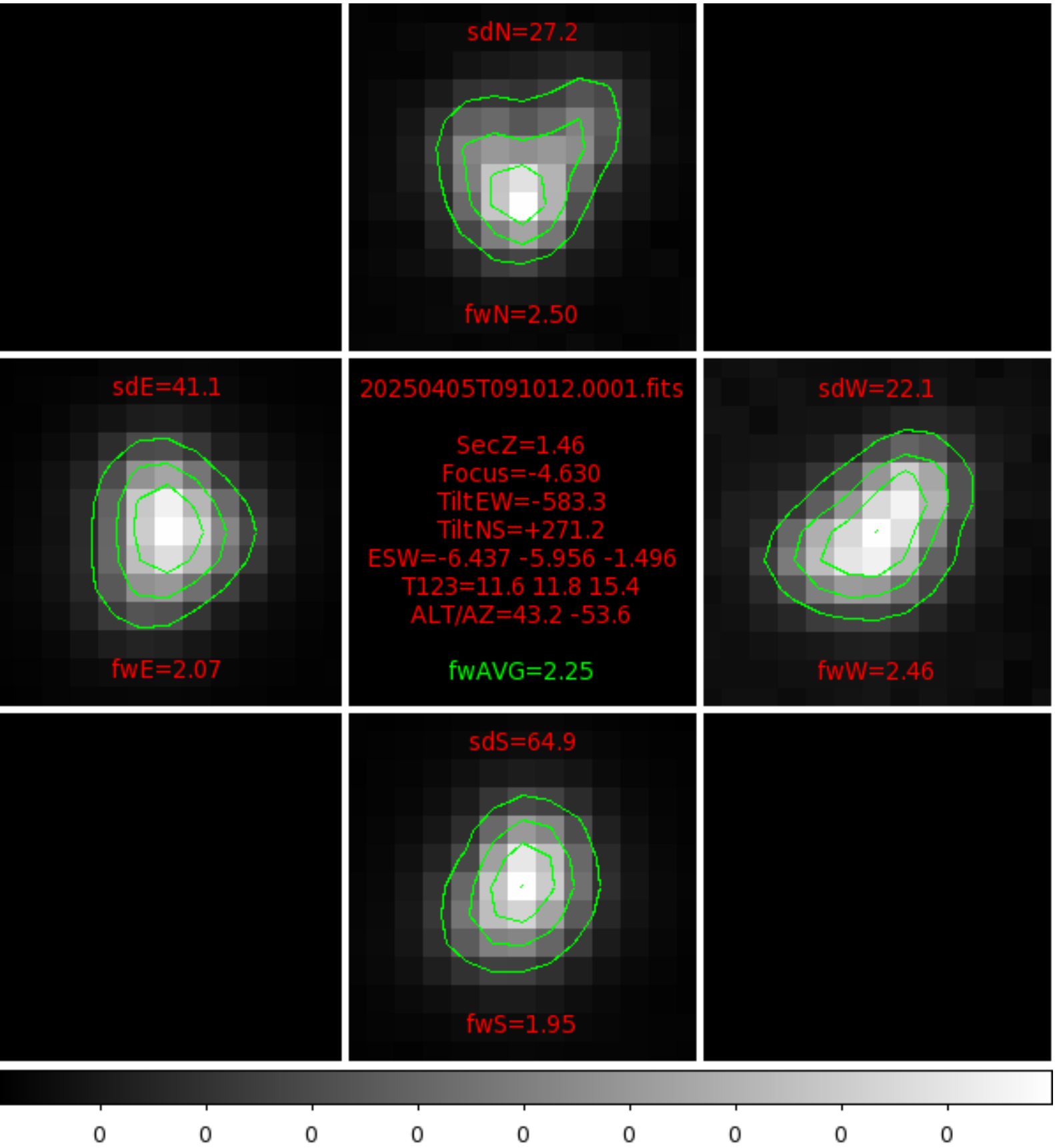
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sdE=41.1
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SecZ=1.46
Focus=-4.630
TiltEW=-583.3
TiltNS=+271.2
ESW=-6.437 -5.956 -1.496
T123=11.6 11.8 15.4
ALT/AZ=43.2 -53.6
fwAVG=2.25
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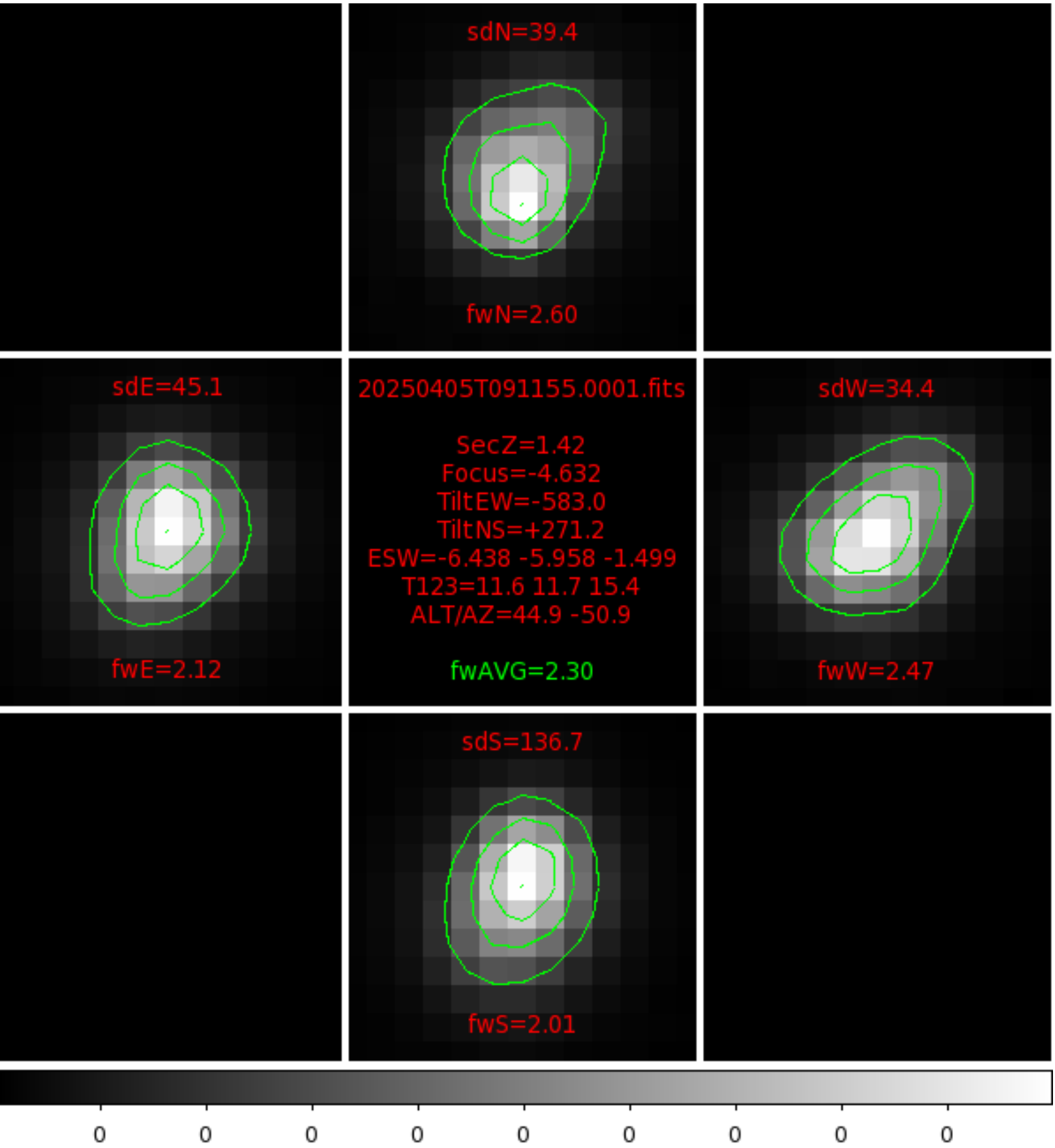
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sdE=45.1
fwE=2.12
20250405T091155.0001.fits
SecZ=1.42
Focus=-4.632
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.438 -5.958 -1.499
T123=11.6 11.7 15.4
ALT/AZ=44.9 -50.9
fwAVG=2.30
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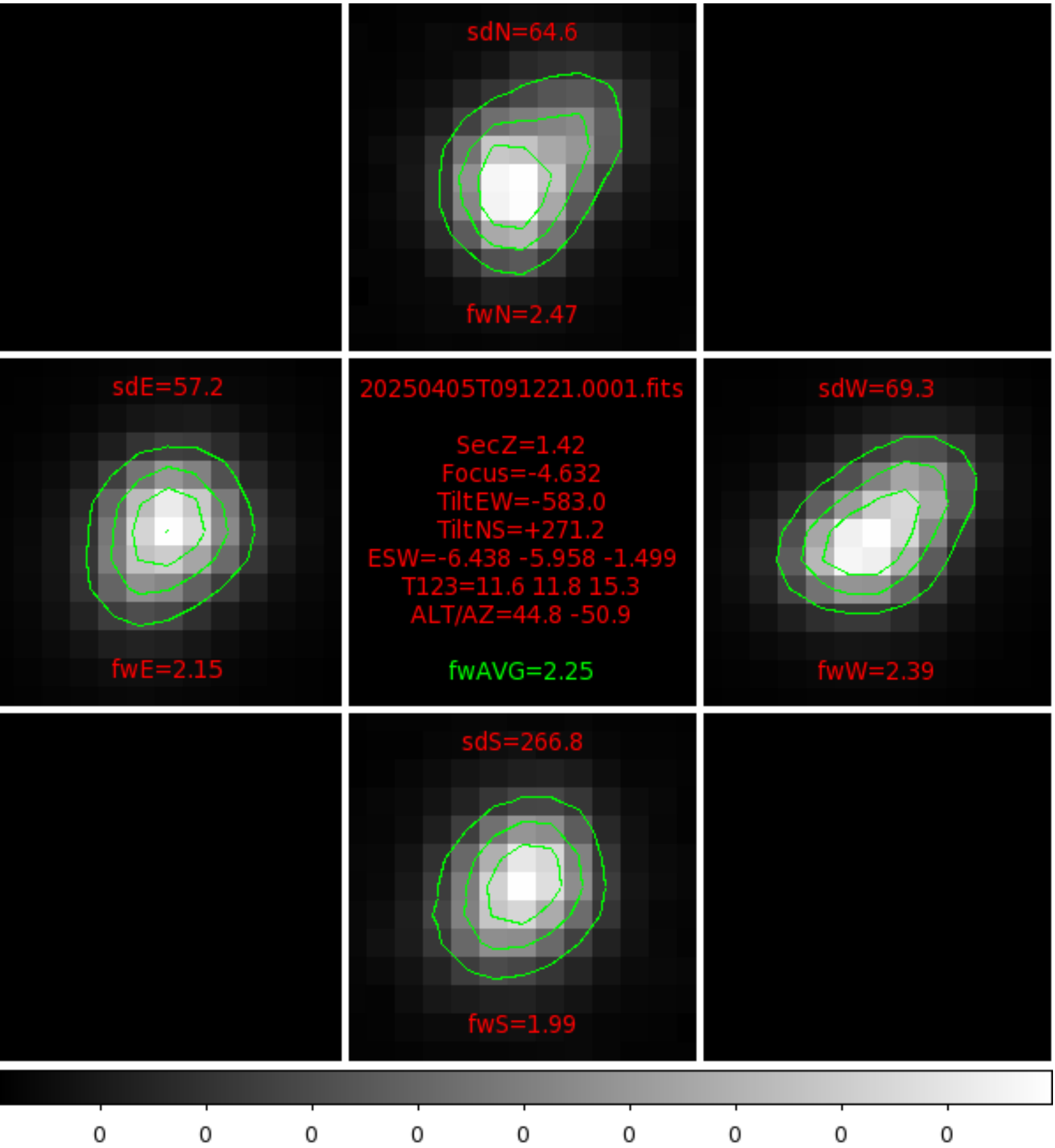
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SecZ=1.42
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TiltNS=+271.2
ESW=-6.438 -5.958 -1.499
T123=11.6 11.8 15.3
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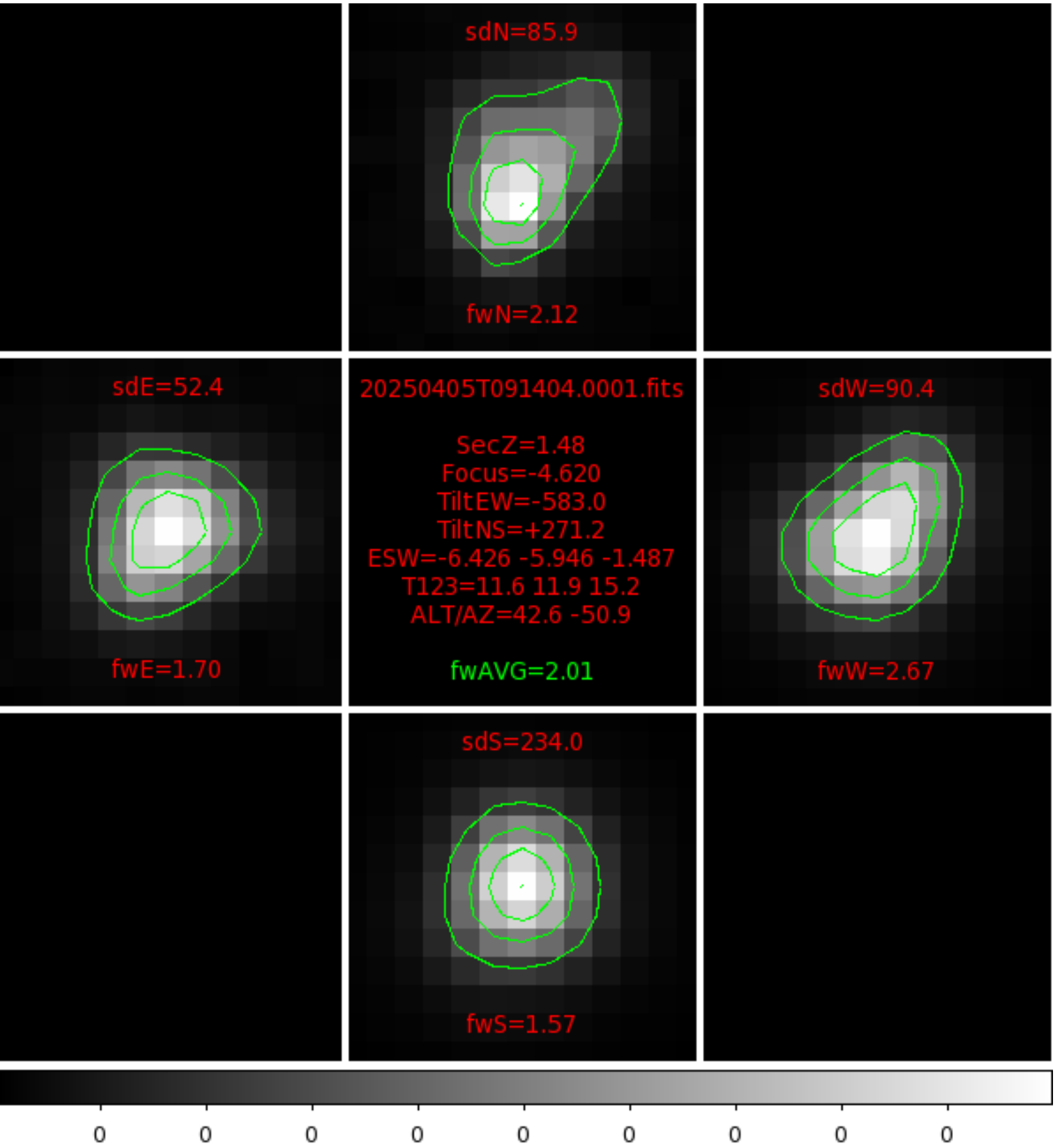
sdN=85.9
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fwE=1.70
20250405T091404.0001.fits
SecZ=1.48
Focus=-4.620
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.426 -5.946 -1.487
T123=11.6 11.9 15.2
ALT/AZ=42.6 -50.9
fwAVG=2.01
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sdS=234.0
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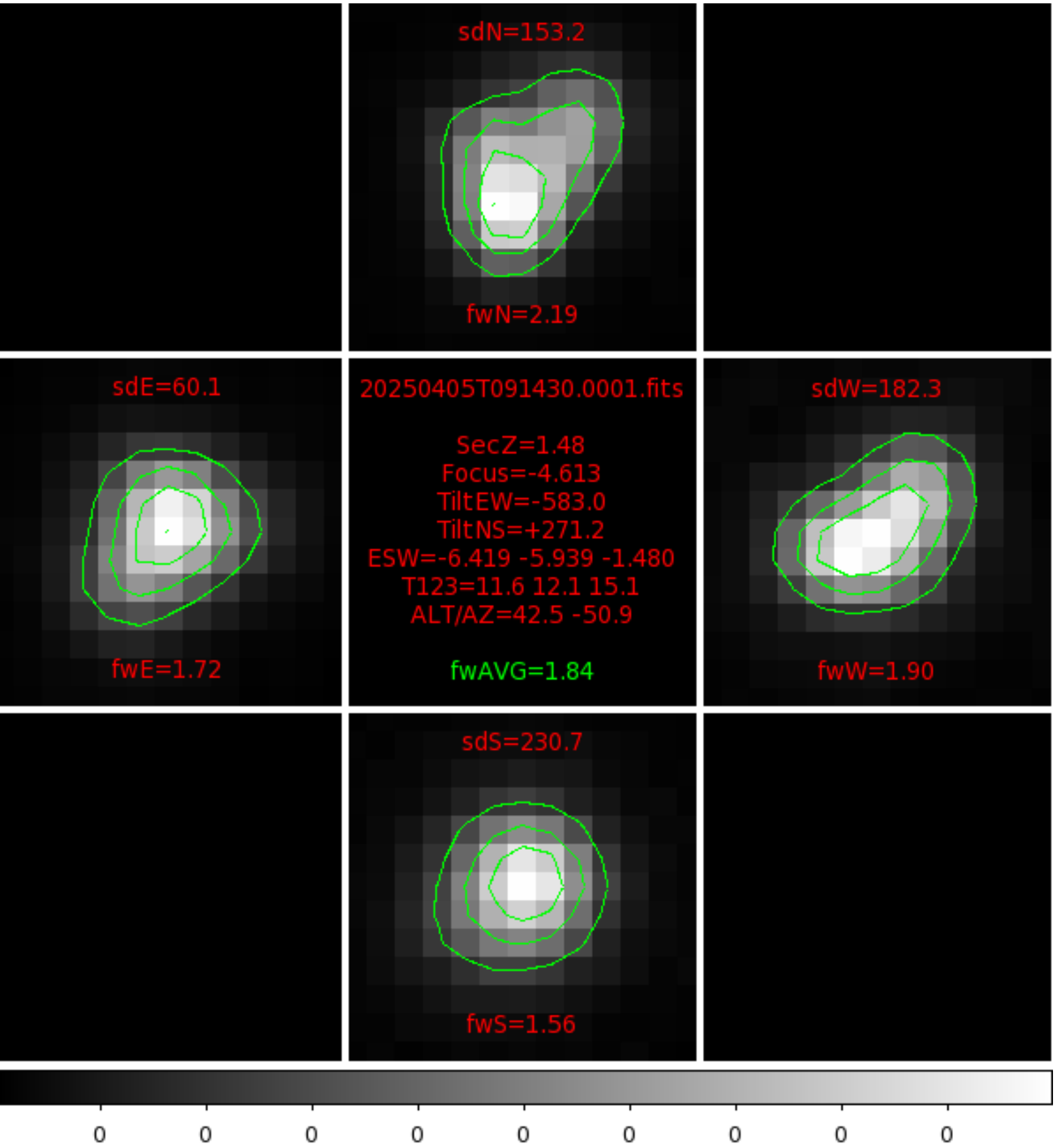
sdN=153.2
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sdE=60.1
fwE=1.72
20250405T091430.0001.fits
SecZ=1.48
Focus=-4.613
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.419 -5.939 -1.480
T123=11.6 12.1 15.1
ALT/AZ=42.5 -50.9
fwAVG=1.84
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sdS=230.7
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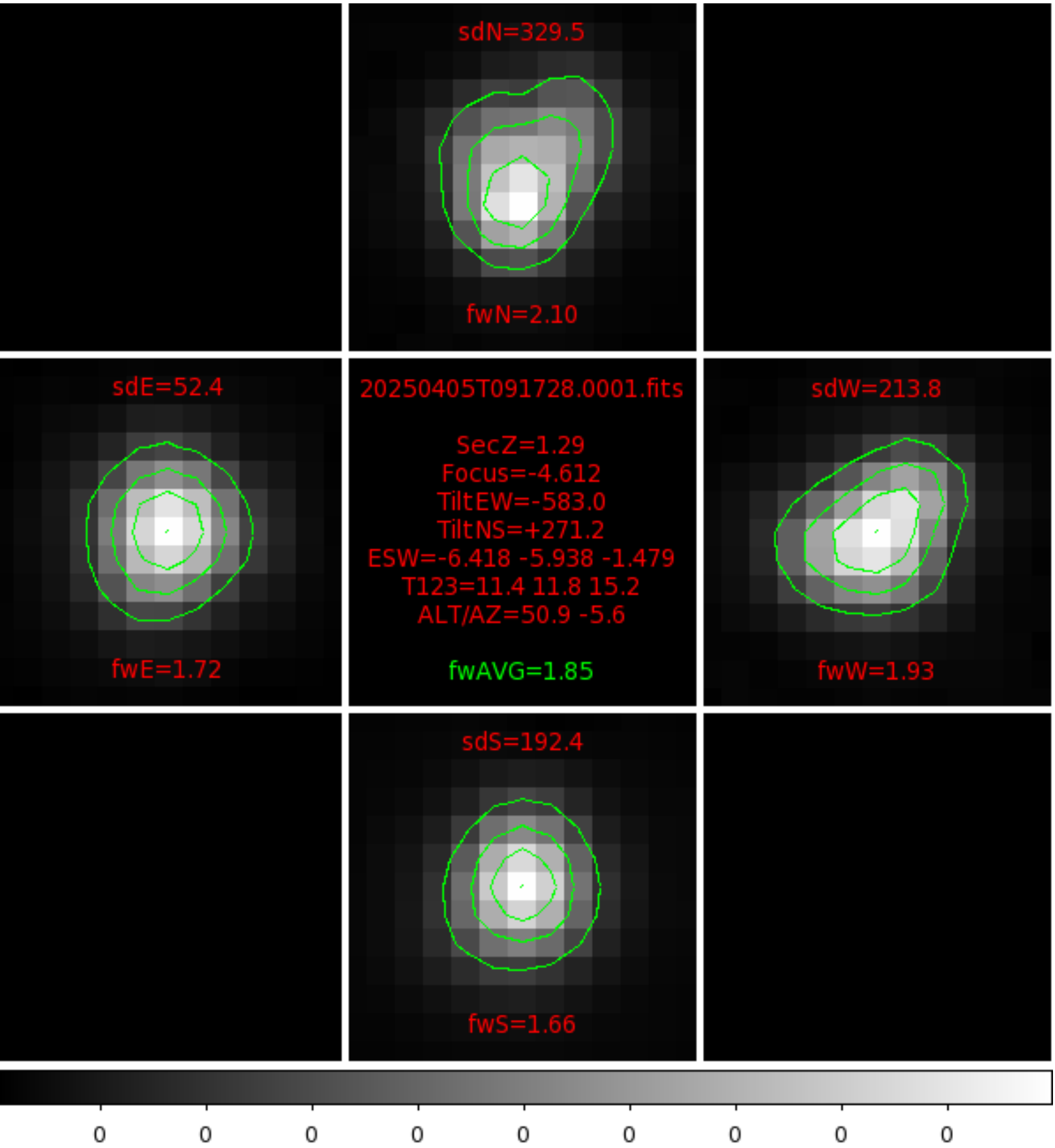
sdN=329.5
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SecZ=1.29
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.418 -5.938 -1.479
T123=11.4 11.8 15.2
ALT/AZ=50.9 -5.6
fwAVG=1.85
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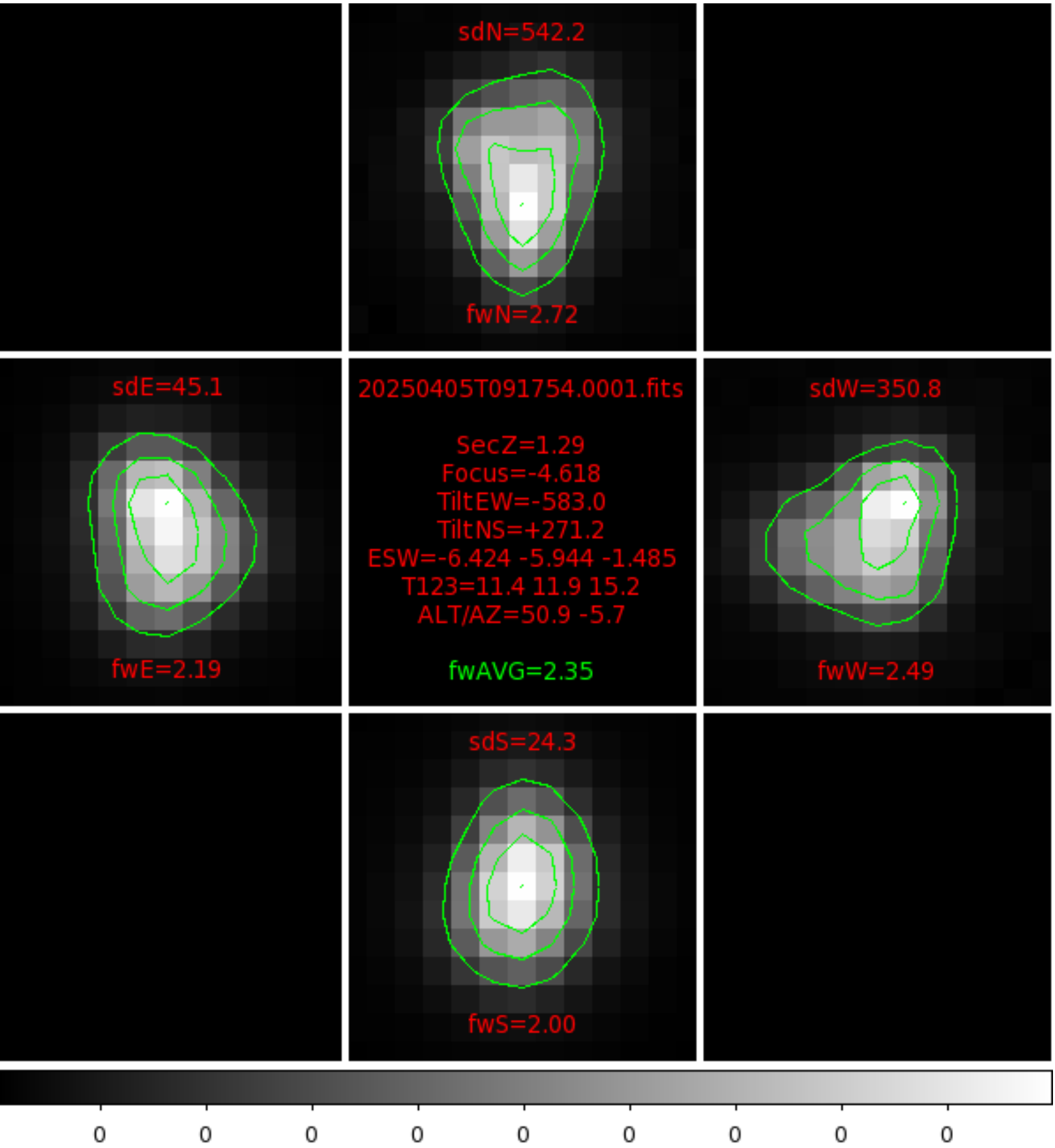
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fwE=2.19
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SecZ=1.29
Focus=-4.618
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.424 -5.944 -1.485
T123=11.4 11.9 15.2
ALT/AZ=50.9 -5.7
fwAVG=2.35
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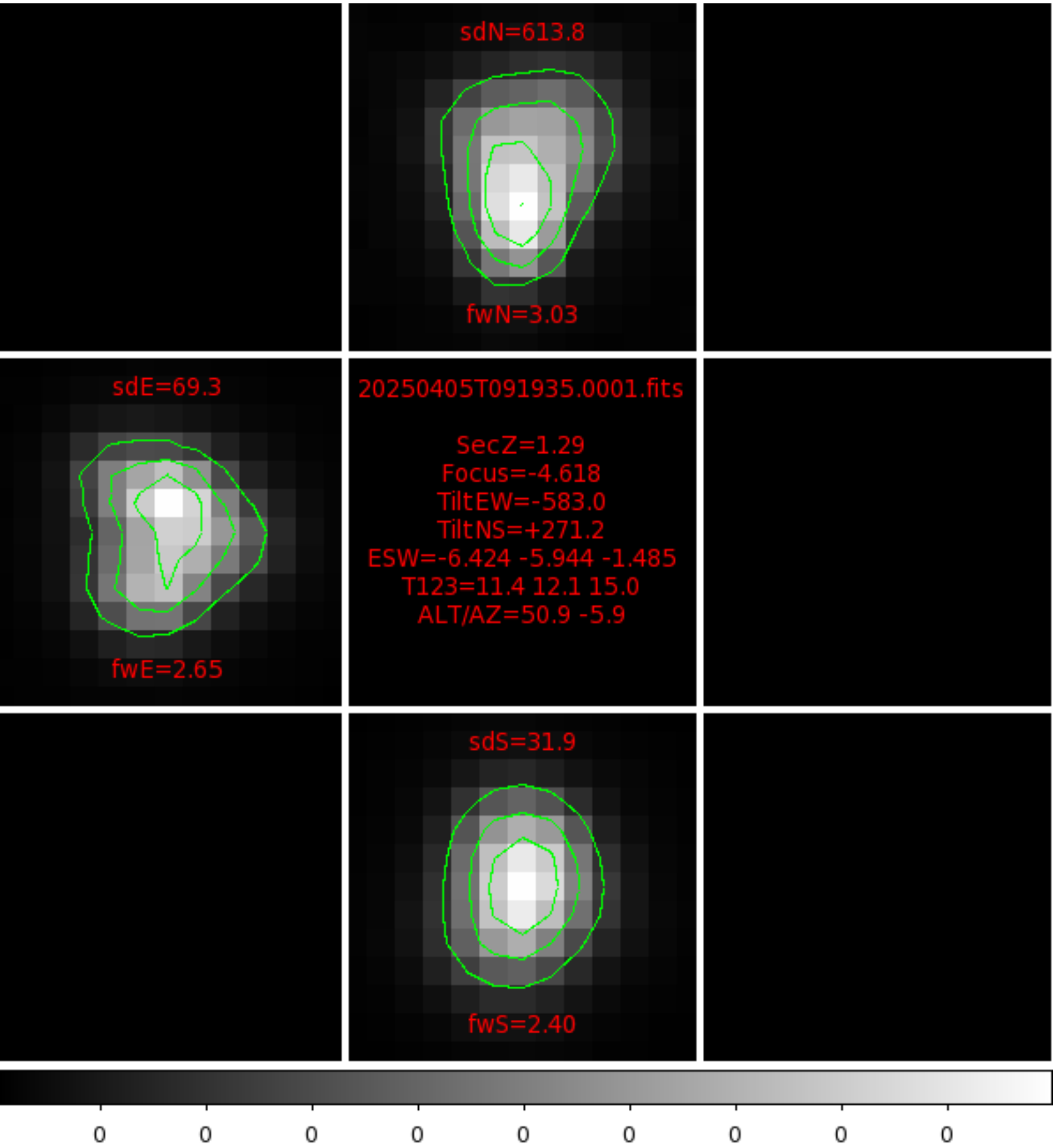
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20250405T091935.0001.fits
SecZ=1.29
Focus=-4.618
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.424 -5.944 -1.485
T123=11.4 12.1 15.0
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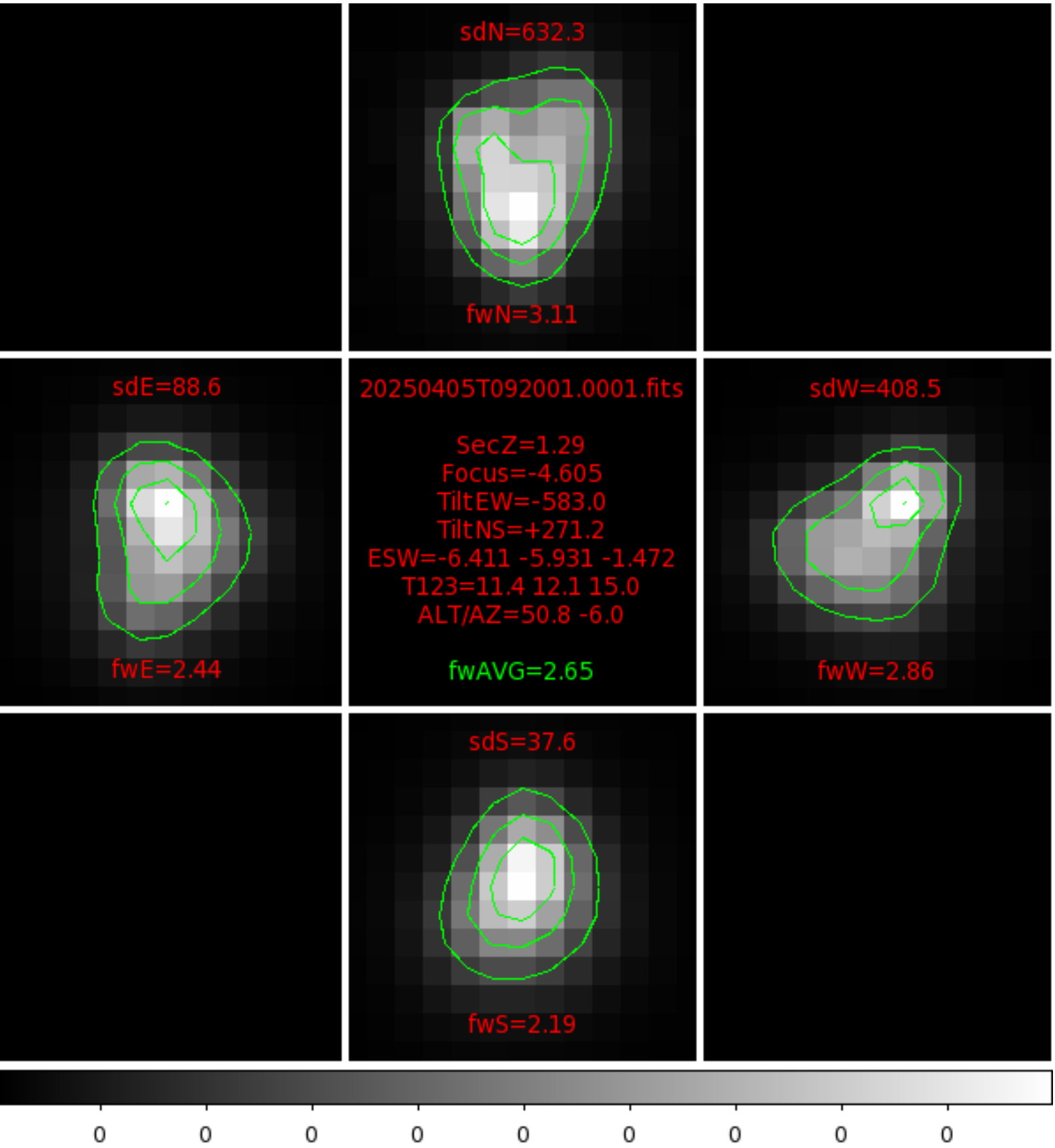
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20250405T092001.0001.fits
SecZ=1.29
Focus=-4.605
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.411 -5.931 -1.472
T123=11.4 12.1 15.0
ALT/AZ=50.8 -6.0
fwAVG=2.65
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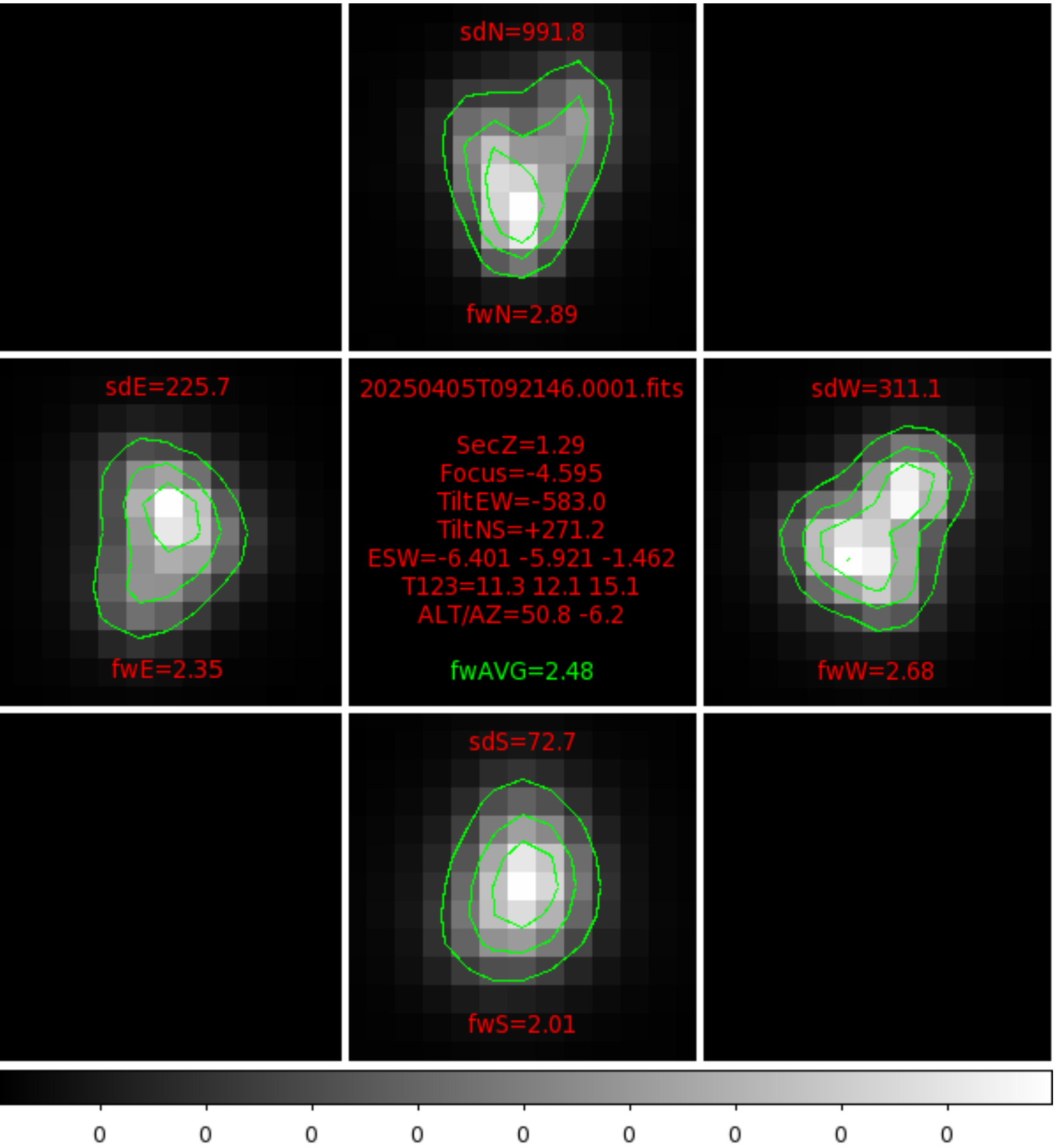
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SecZ=1.29
Focus=-4.595
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.401 -5.921 -1.462
T123=11.3 12.1 15.1
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fwAVG=2.48
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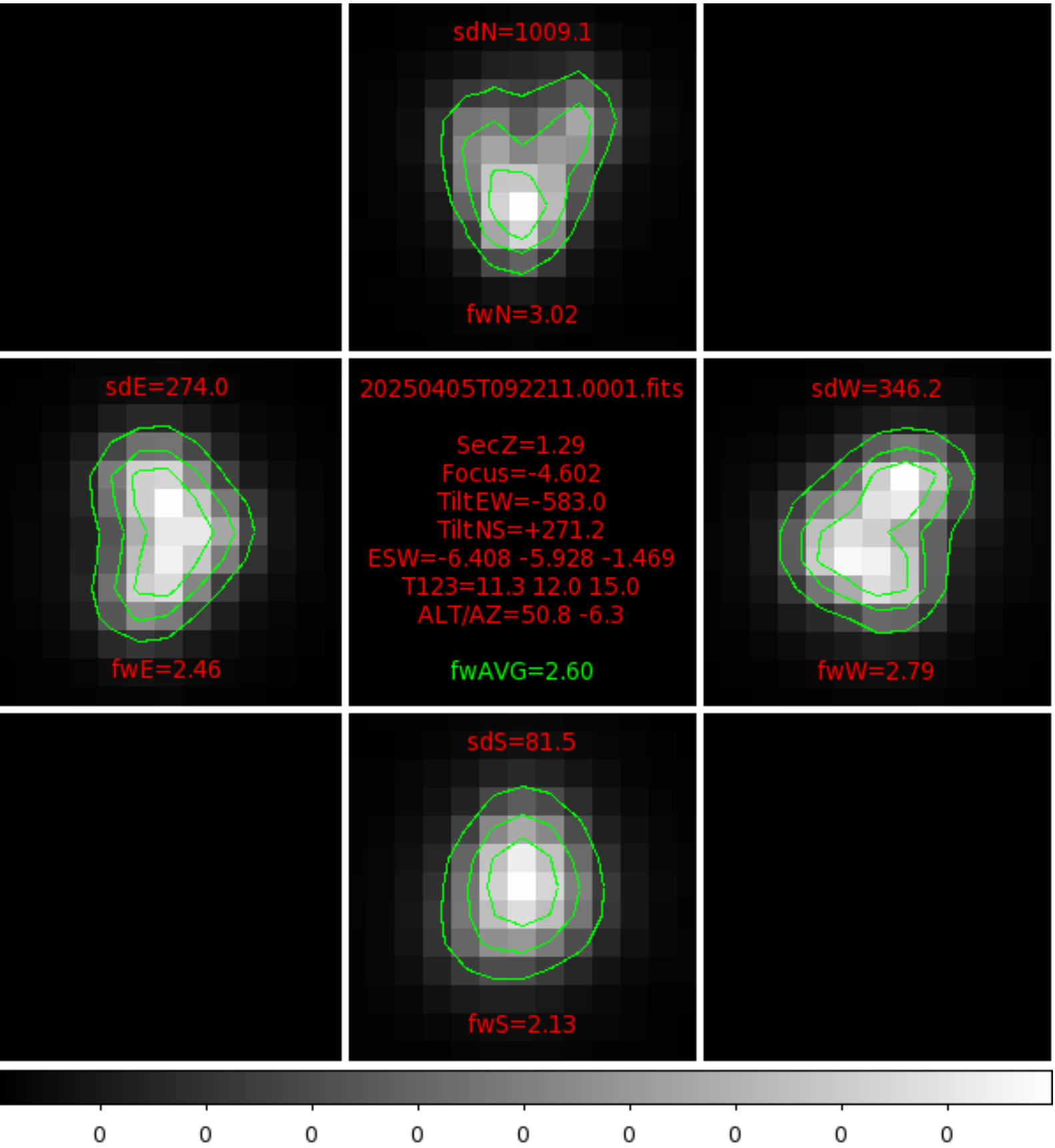
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sdE=274.0
fwE=2.46
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SecZ=1.29
Focus=-4.602
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.408 -5.928 -1.469
T123=11.3 12.0 15.0
ALT/AZ=50.8 -6.3
fwAVG=2.60
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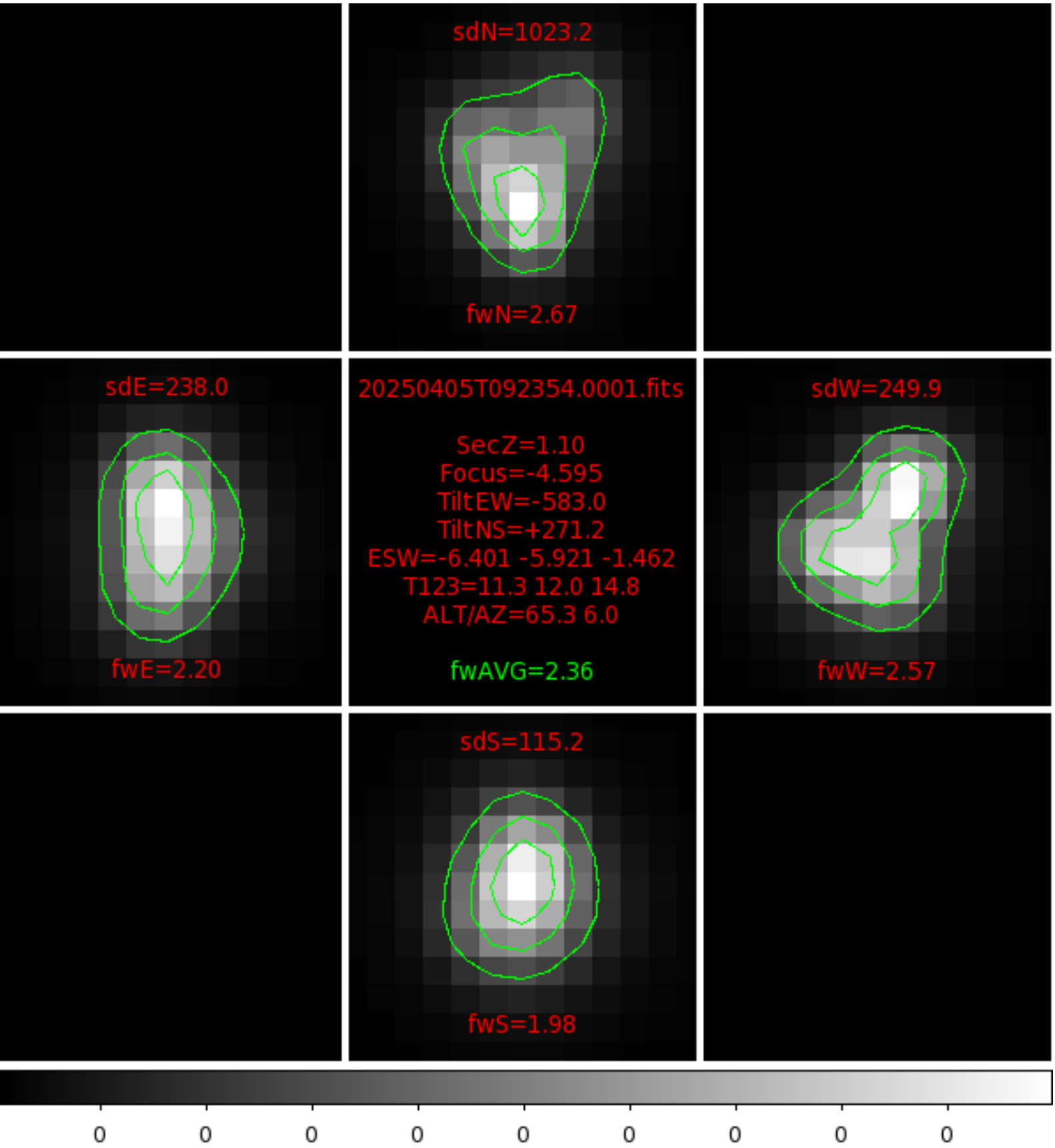
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SecZ=1.10
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TiltEW=-583.0
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ESW=-6.401 -5.921 -1.462
T123=11.3 12.0 14.8
ALT/AZ=65.3 6.0
fwAVG=2.36
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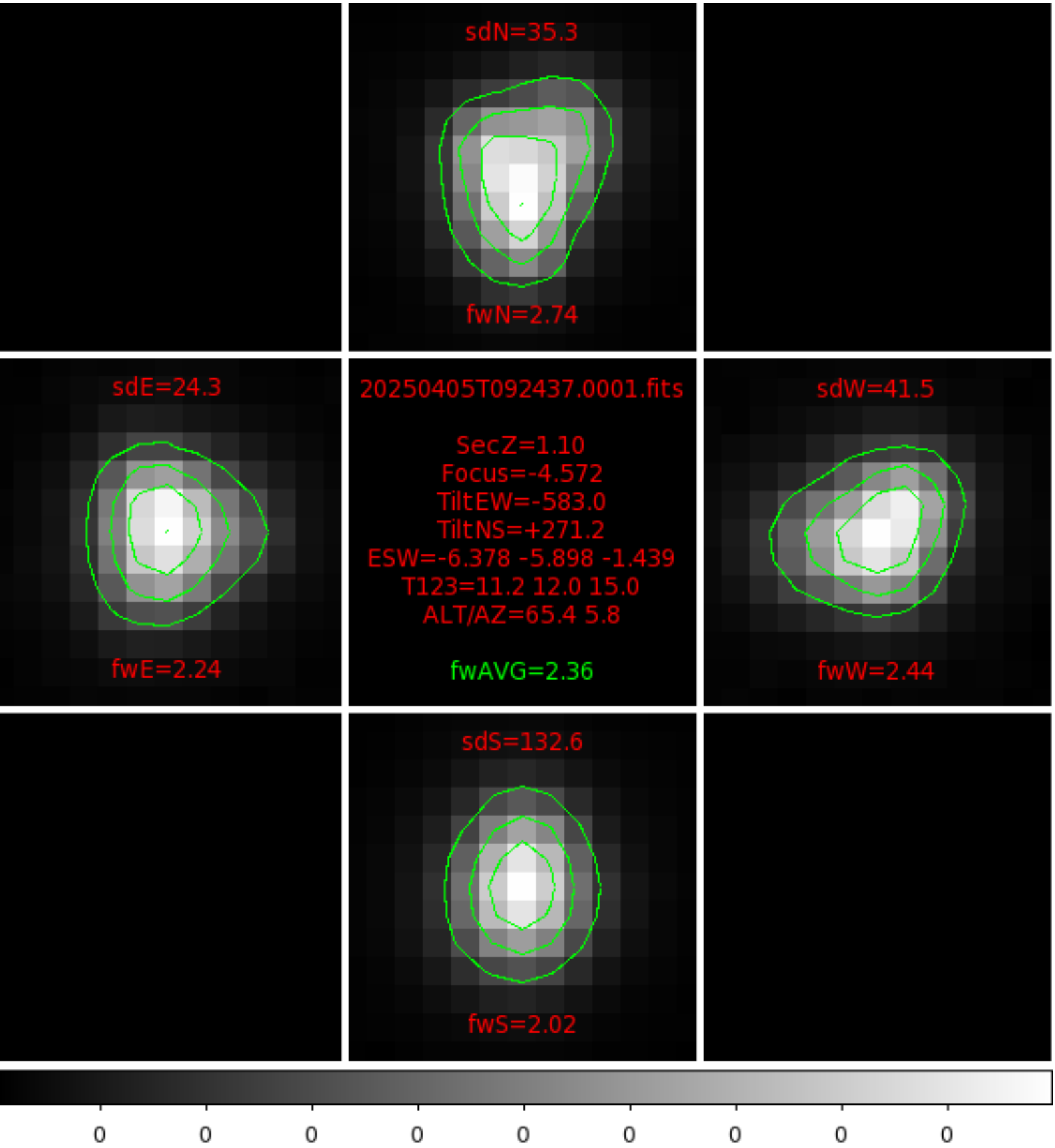
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SecZ=1.10
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ESW=-6.378 -5.898 -1.439
T123=11.2 12.0 15.0
ALT/AZ=65.4 5.8
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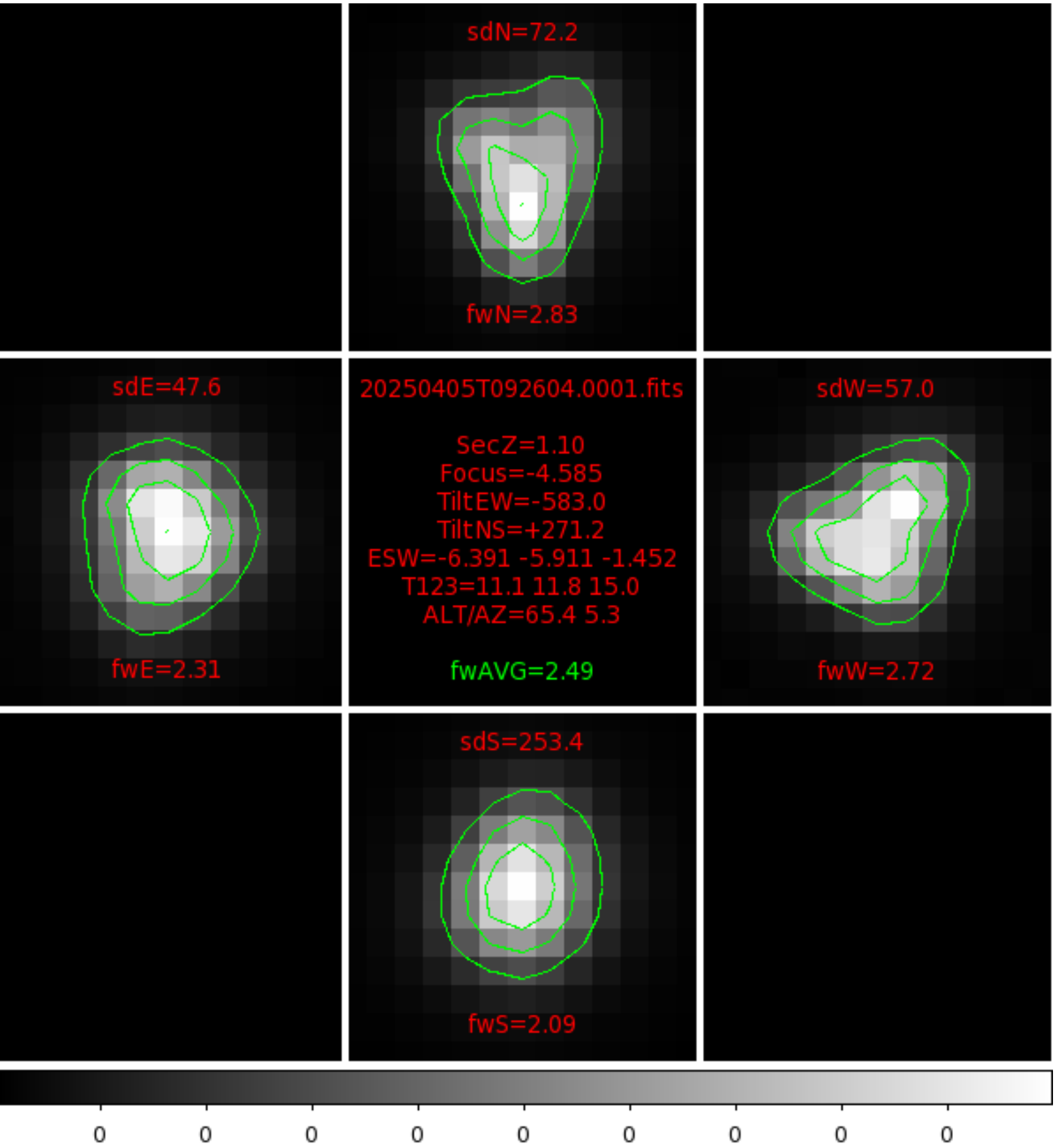
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fwE=2.31
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Focus=-4.585
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.391 -5.911 -1.452
T123=11.1 11.8 15.0
ALT/AZ=65.4 5.3
fwAVG=2.49
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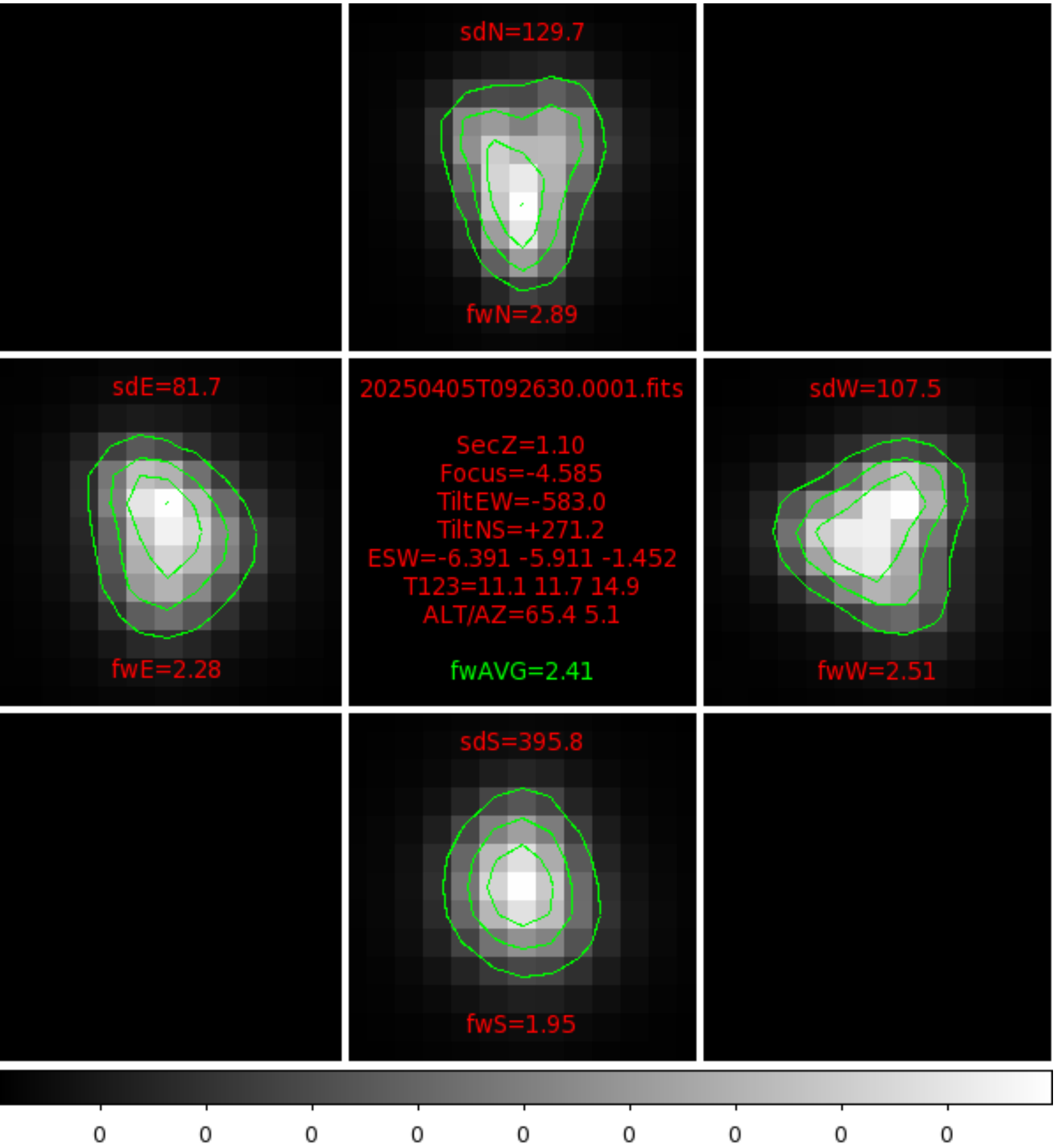
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SecZ=1.10
Focus=-4.585
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.391 -5.911 -1.452
T123=11.1 11.7 14.9
ALT/AZ=65.4 5.1
fwAVG=2.41
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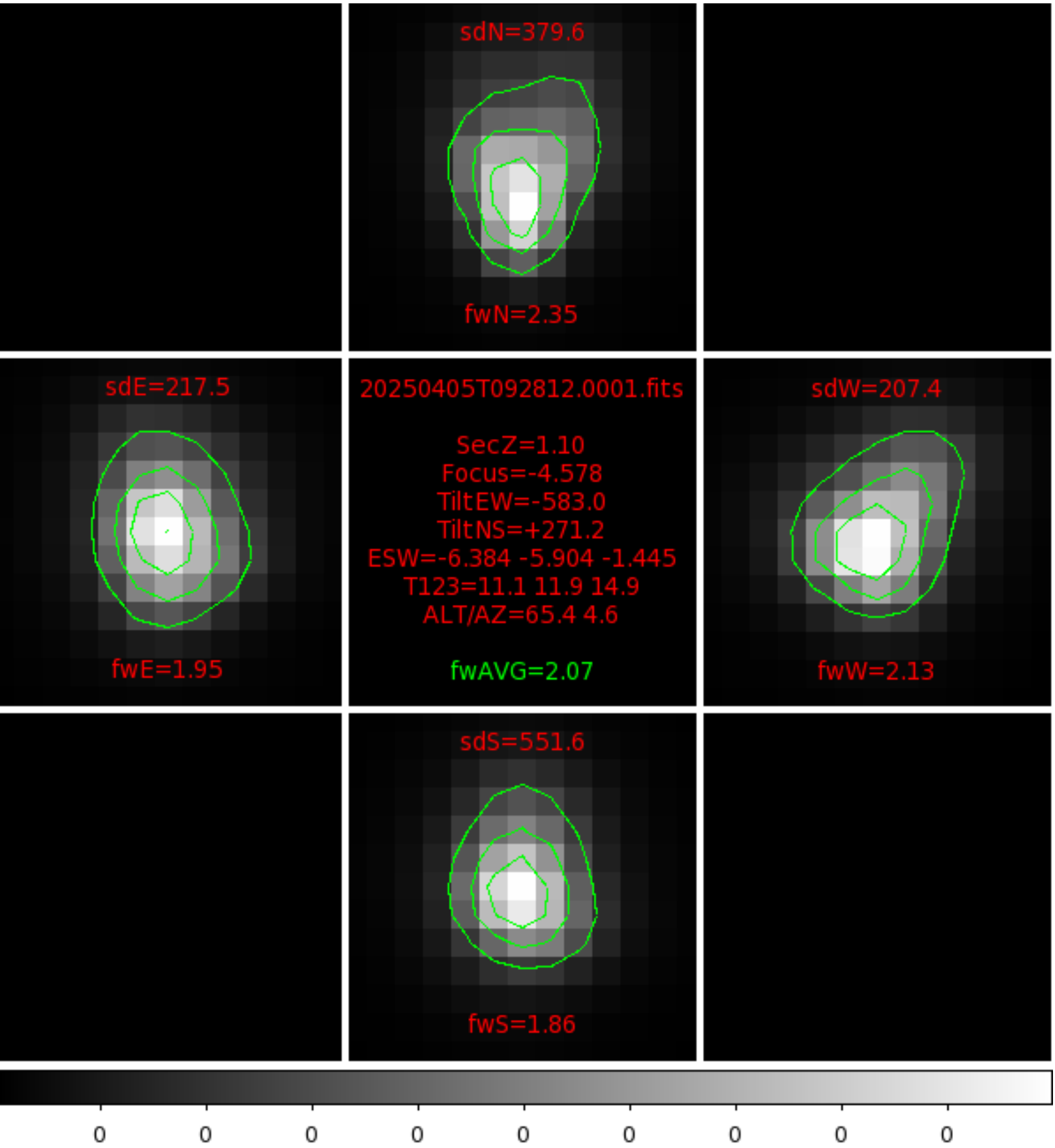
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fwE=1.95
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SecZ=1.10
Focus=-4.578
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.384 -5.904 -1.445
T123=11.1 11.9 14.9
ALT/AZ=65.4 4.6
fwAVG=2.07
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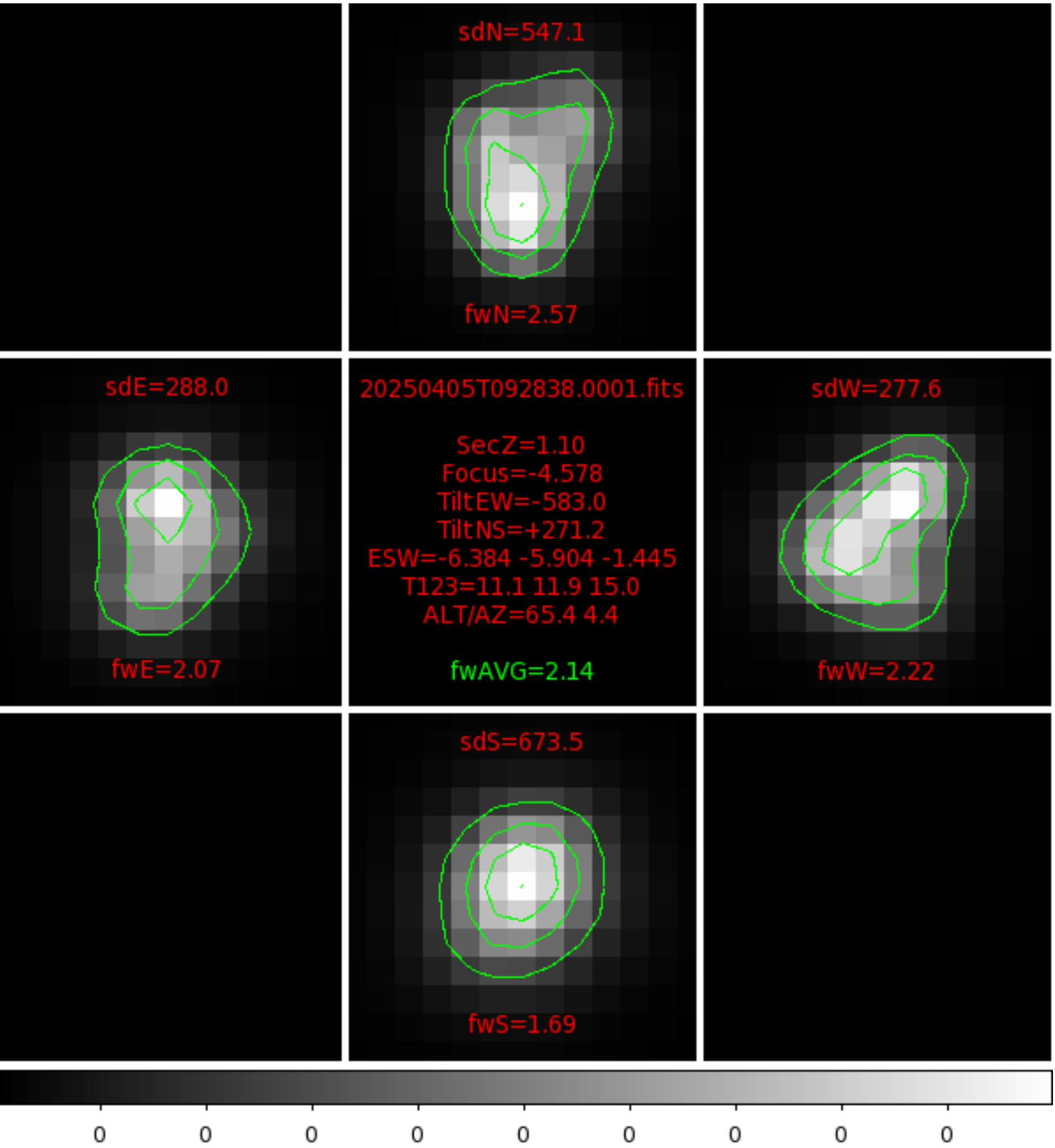
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SecZ=1.10
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TiltNS=+271.2
ESW=-6.384 -5.904 -1.445
T123=11.1 11.9 15.0
ALT/AZ=65.4 4.4
fwAVG=2.14
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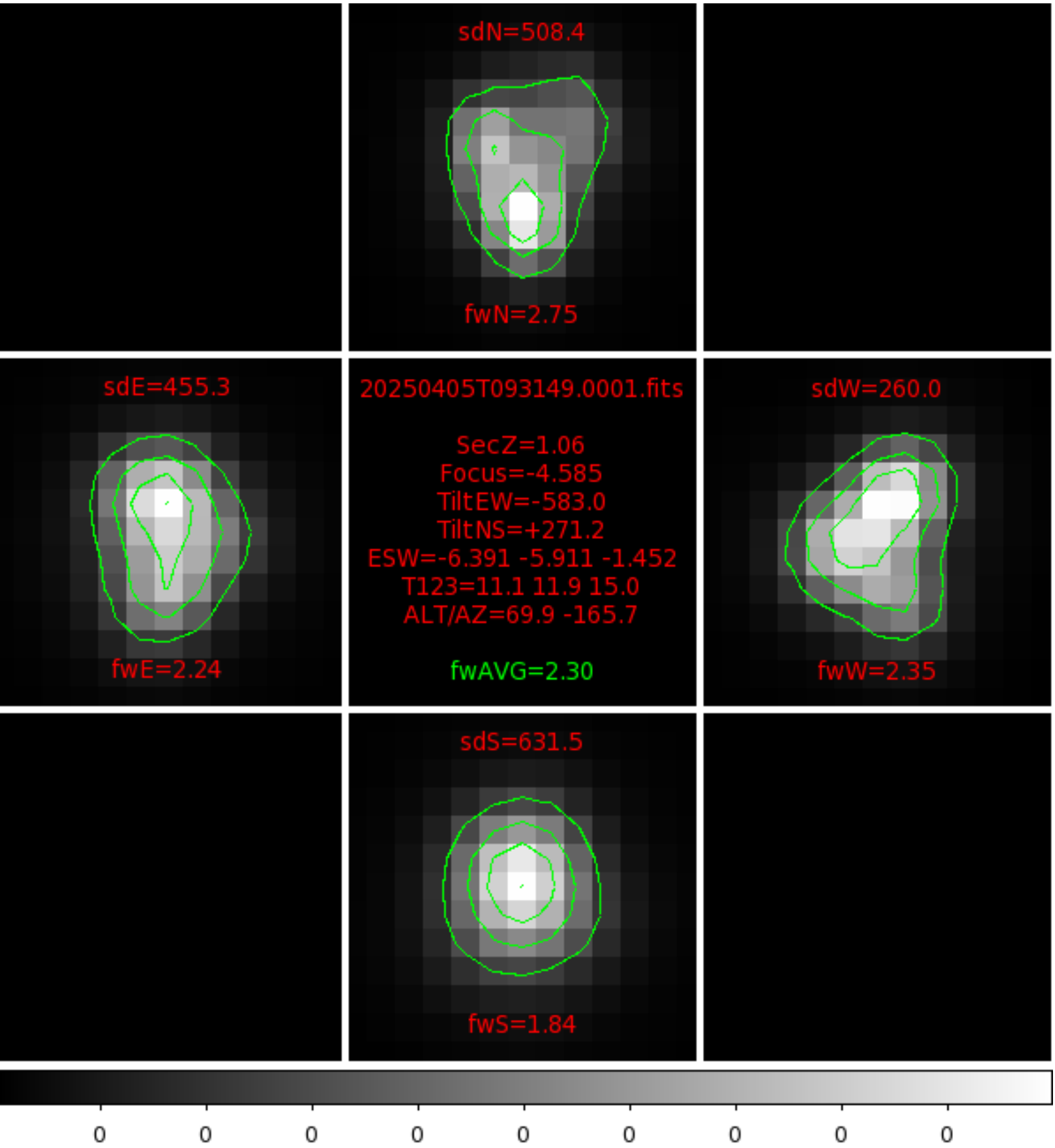
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SecZ=1.06
Focus=-4.585
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.391 -5.911 -1.452
T123=11.1 11.9 15.0
ALT/AZ=69.9 -165.7
fwAVG=2.30
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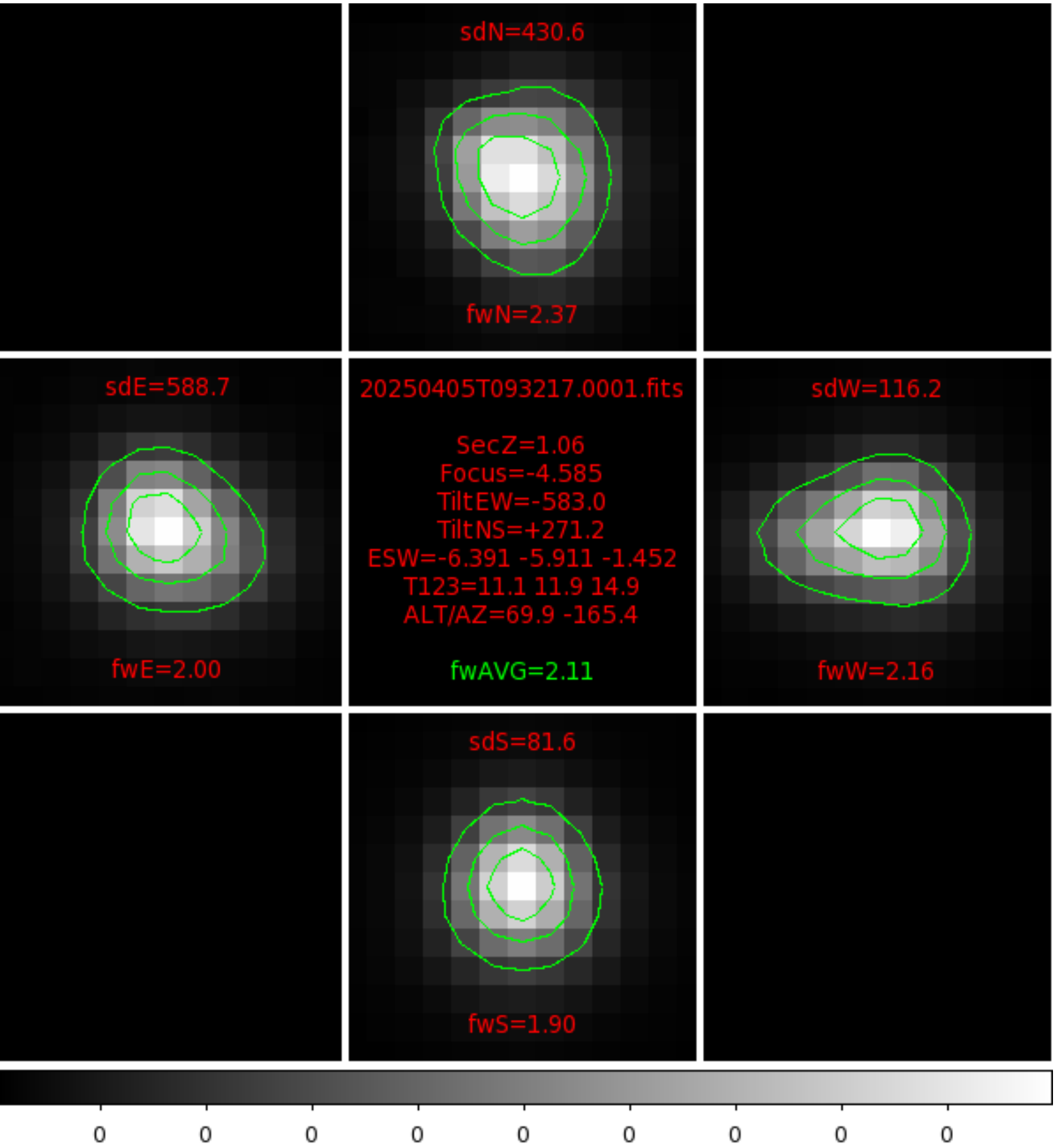
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SecZ=1.06
Focus=-4.585
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.391 -5.911 -1.452
T123=11.1 11.9 14.9
ALT/AZ=69.9 -165.4
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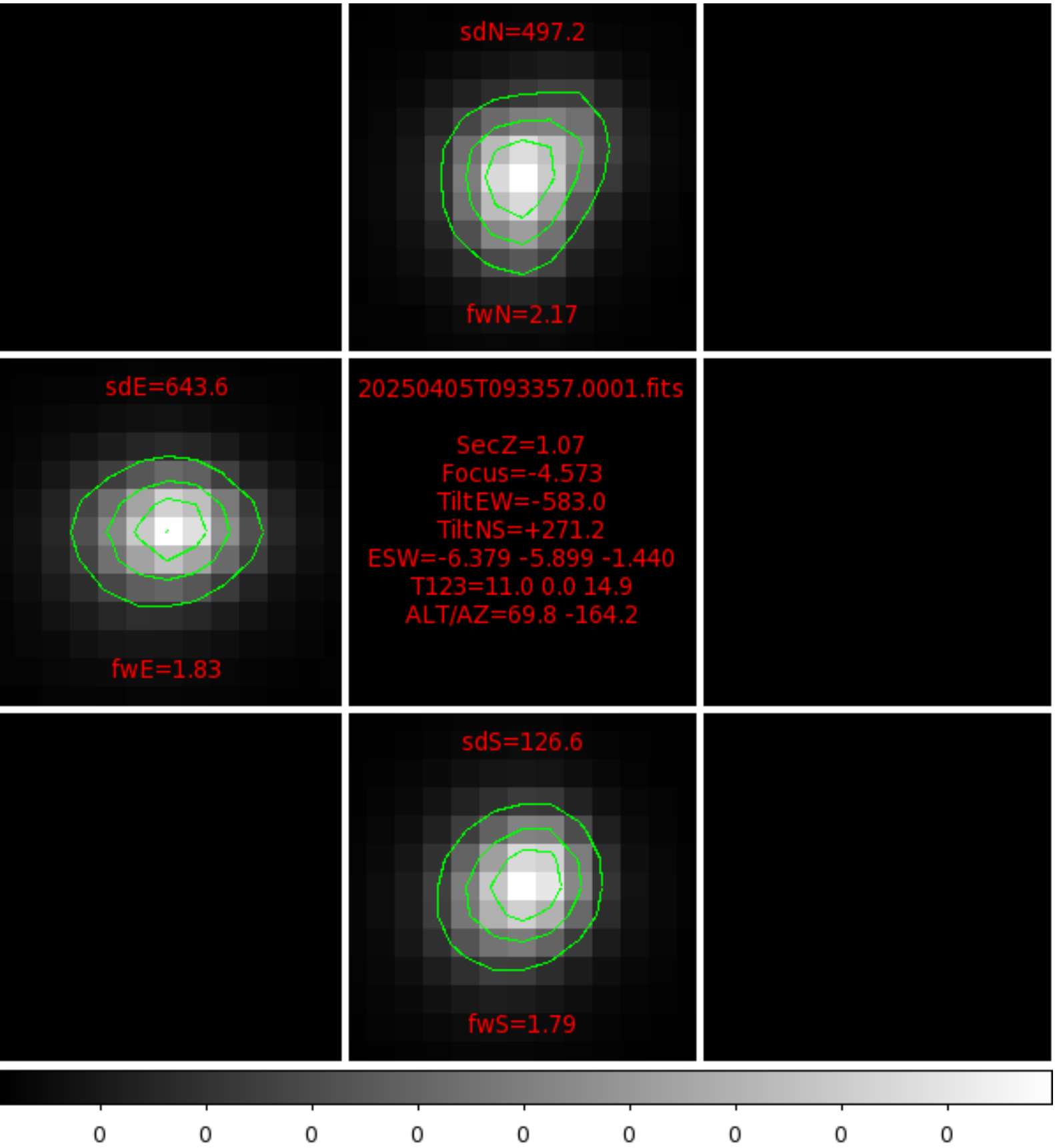
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SecZ=1.07
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.379 -5.899 -1.440
T123=11.0 0.0 14.9
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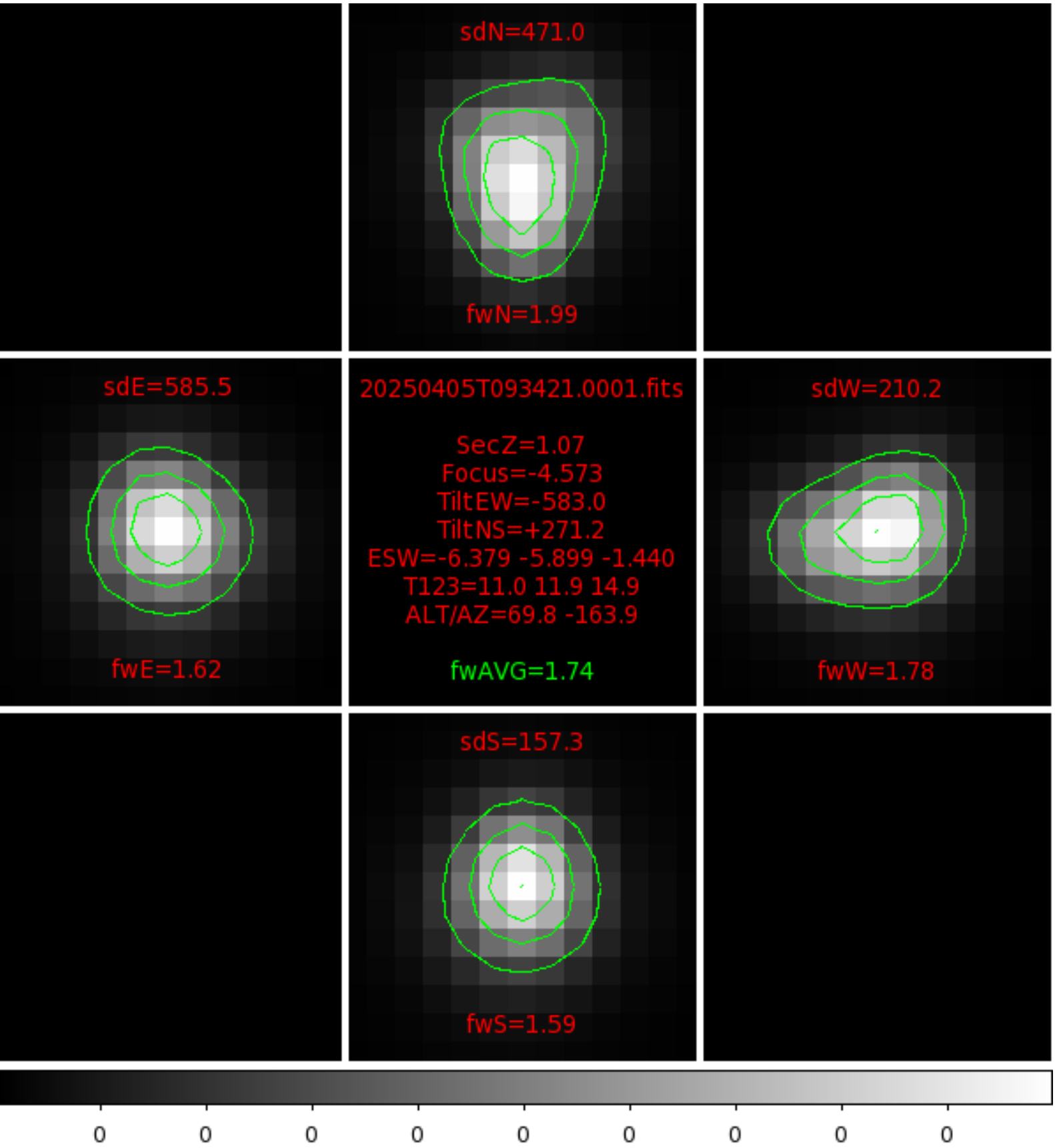
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SecZ=1.07
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TiltNS=+271.2
ESW=-6.379 -5.899 -1.440
T123=11.0 11.9 14.9
ALT/AZ=69.8 -163.9
fwAVG=1.74
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sdS=157.3
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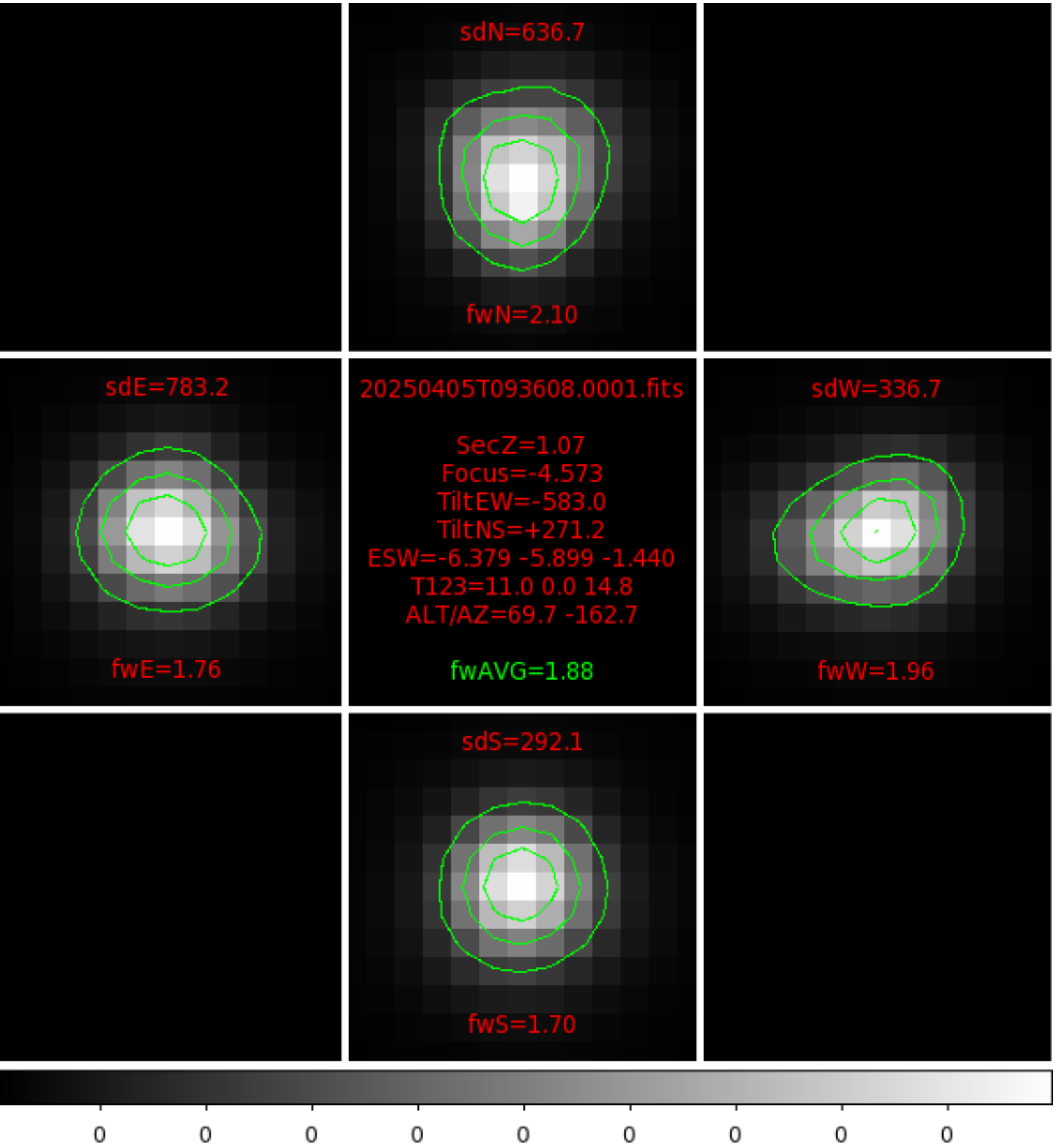
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sdE=783.2
fwE=1.76
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SecZ=1.07
Focus=-4.573
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TiltNS=+271.2
ESW=-6.379 -5.899 -1.440
T123=11.0 0.0 14.8
ALT/AZ=69.7 -162.7
fwAVG=1.88
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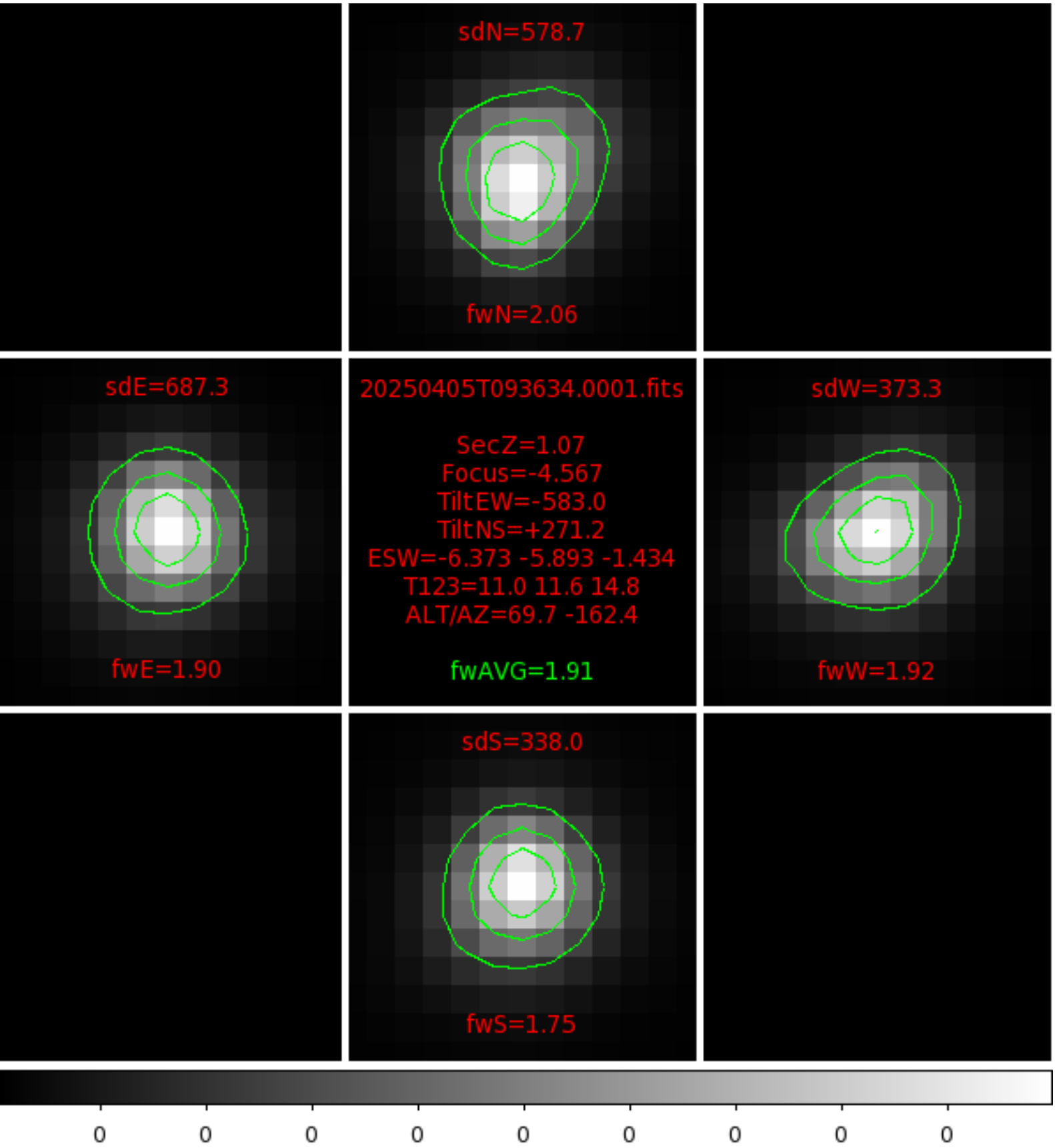
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.373 -5.893 -1.434
T123=11.0 11.6 14.8
ALT/AZ=69.7 -162.4
fwAVG=1.91
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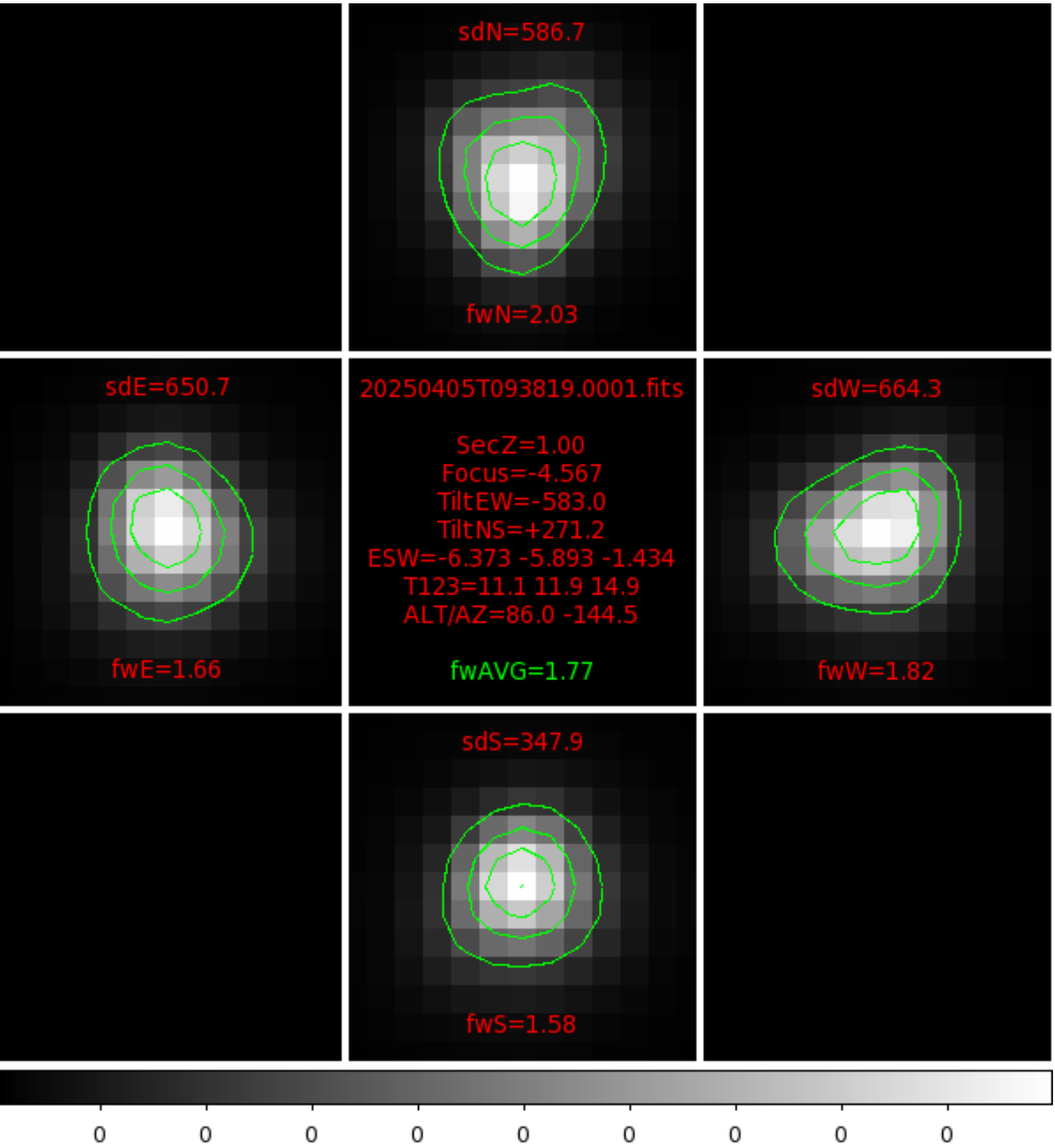
sdN=586.7
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.373 -5.893 -1.434
T123=11.1 11.9 14.9
ALT/AZ=86.0 -144.5
fwAVG=1.77
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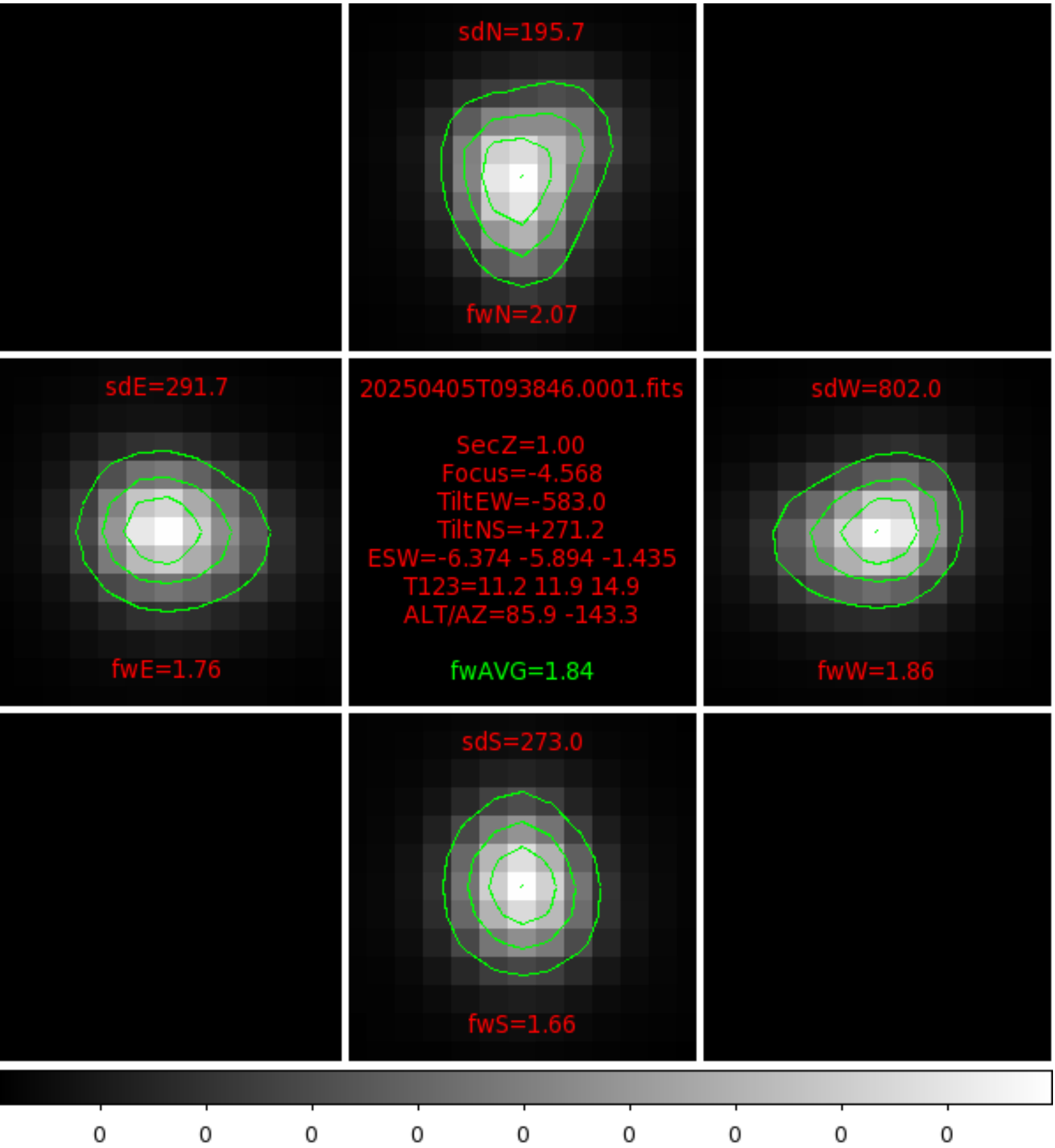
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SecZ=1.00
Focus=-4.568
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.374 -5.894 -1.435
T123=11.2 11.9 14.9
ALT/AZ=85.9 -143.3
fwAVG=1.84
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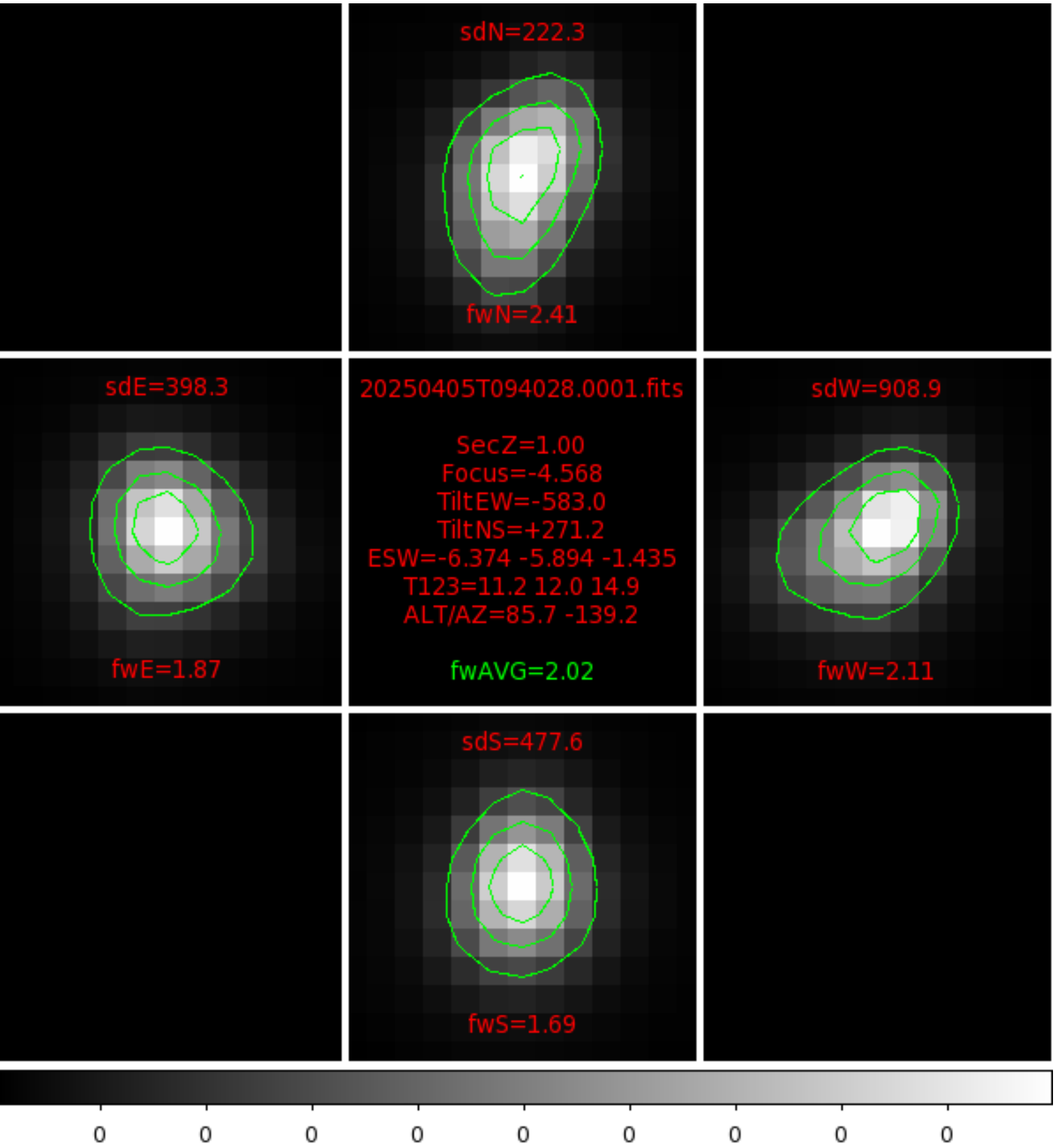
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TiltNS=+271.2
ESW=-6.374 -5.894 -1.435
T123=11.2 12.0 14.9
ALT/AZ=85.7 -139.2
fwAVG=2.02
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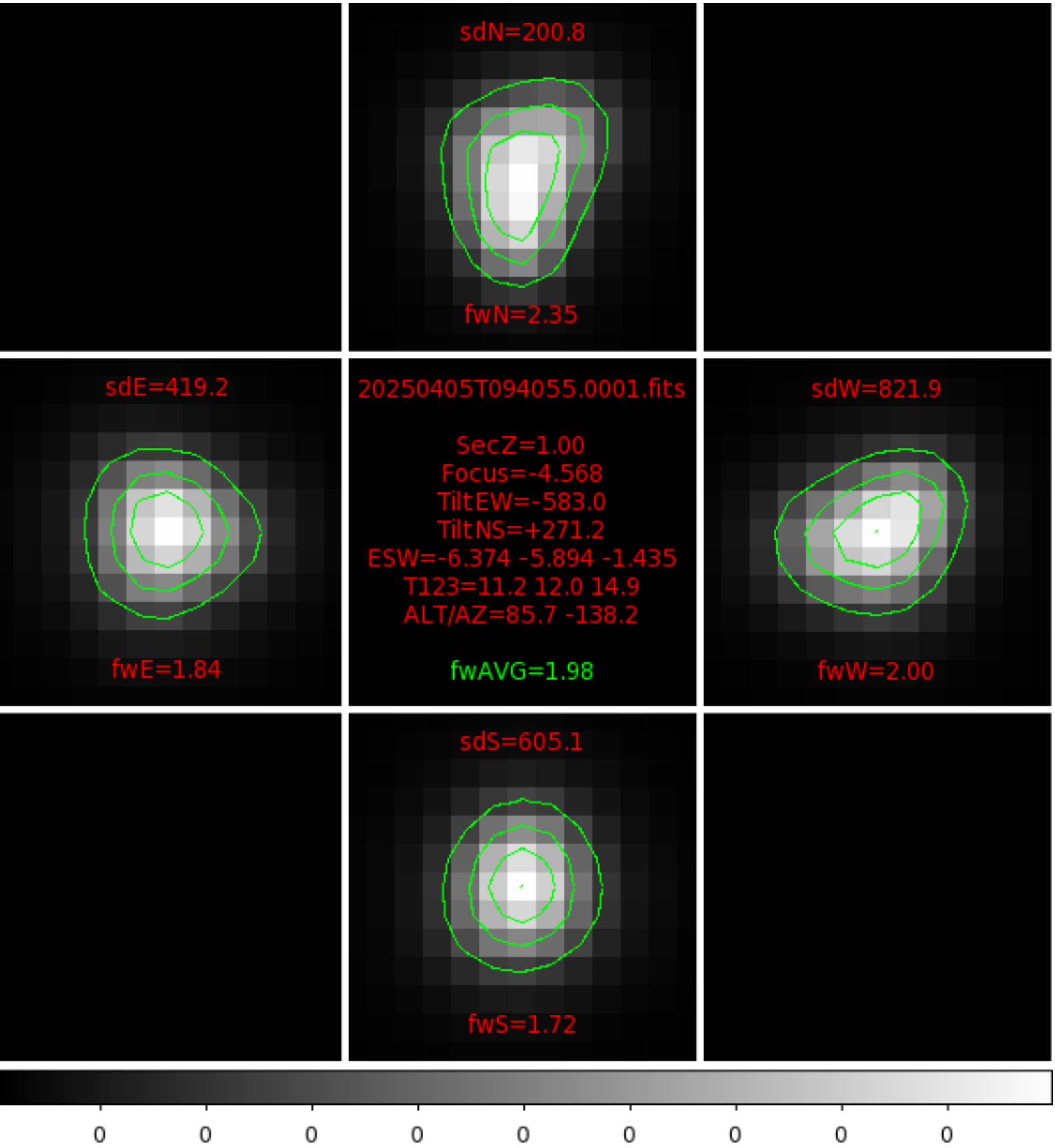
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sdE=419.2
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SecZ=1.00
Focus=-4.568
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.374 -5.894 -1.435
T123=11.2 12.0 14.9
ALT/AZ=85.7 -138.2
fwAVG=1.98
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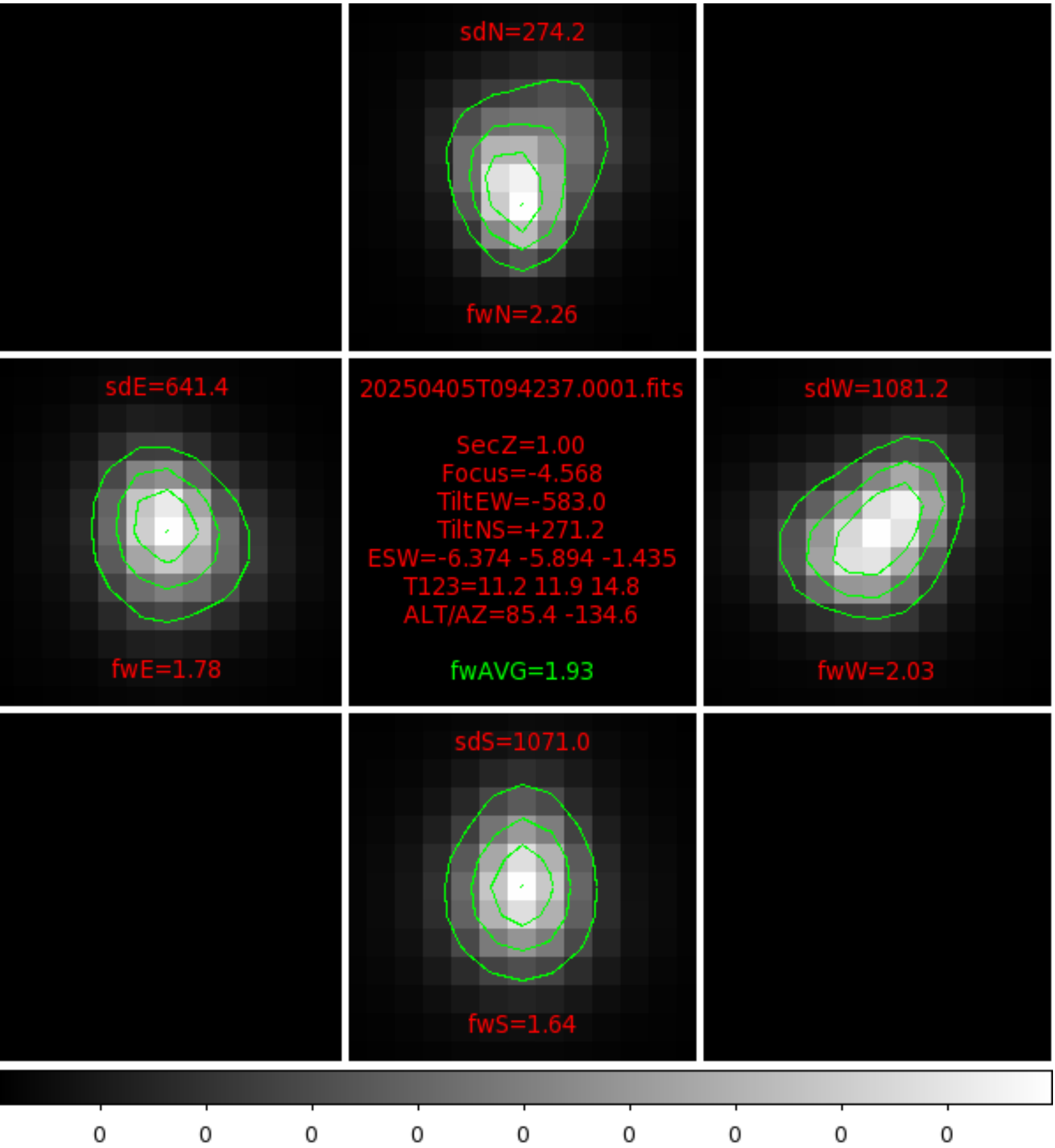
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sdE=641.4
fwE=1.78
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SecZ=1.00
Focus=-4.568
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.374 -5.894 -1.435
T123=11.2 11.9 14.8
ALT/AZ=85.4 -134.6
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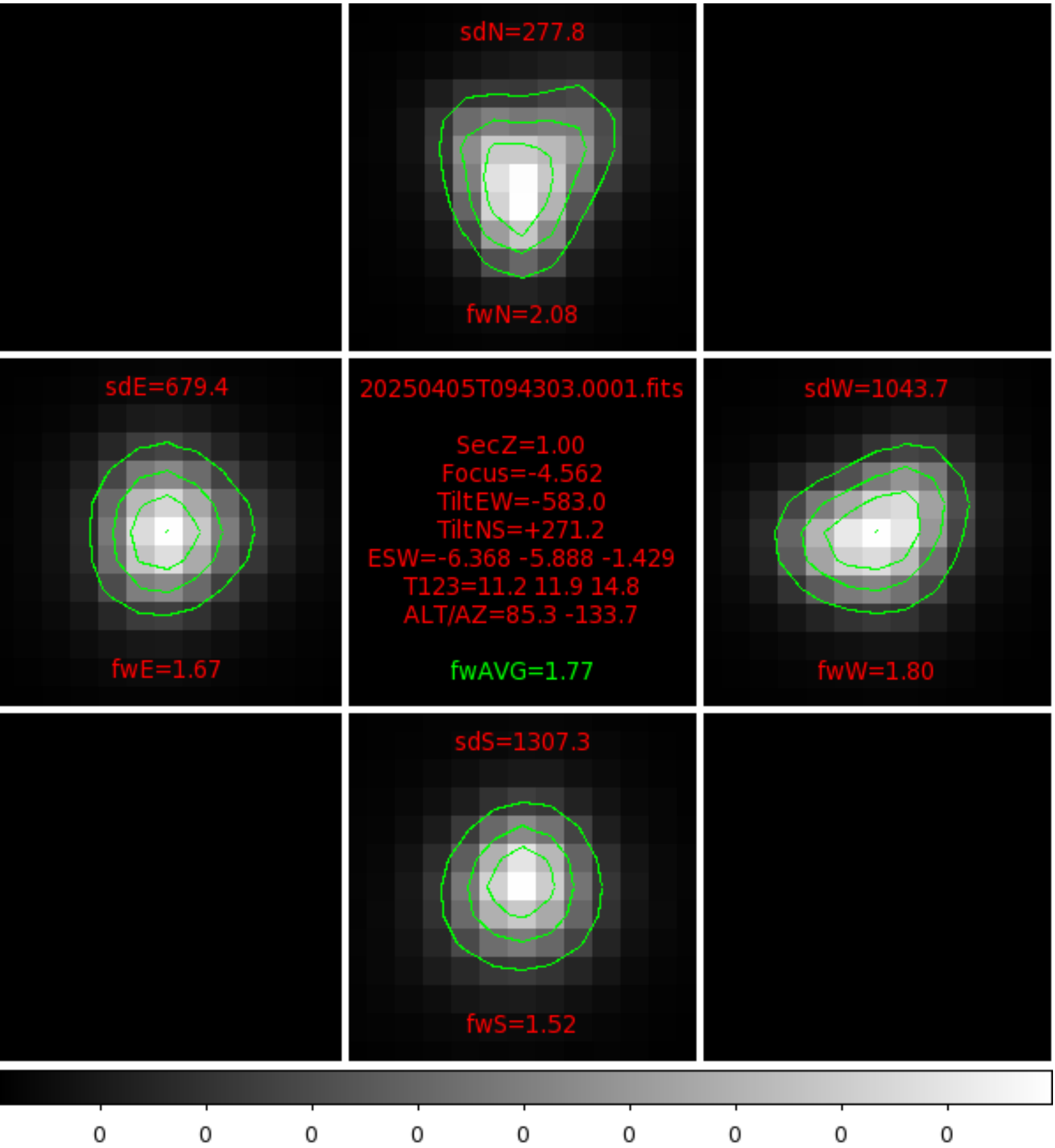
sdN=277.8
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fwE=1.67
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.368 -5.888 -1.429
T123=11.2 11.9 14.8
ALT/AZ=85.3 -133.7
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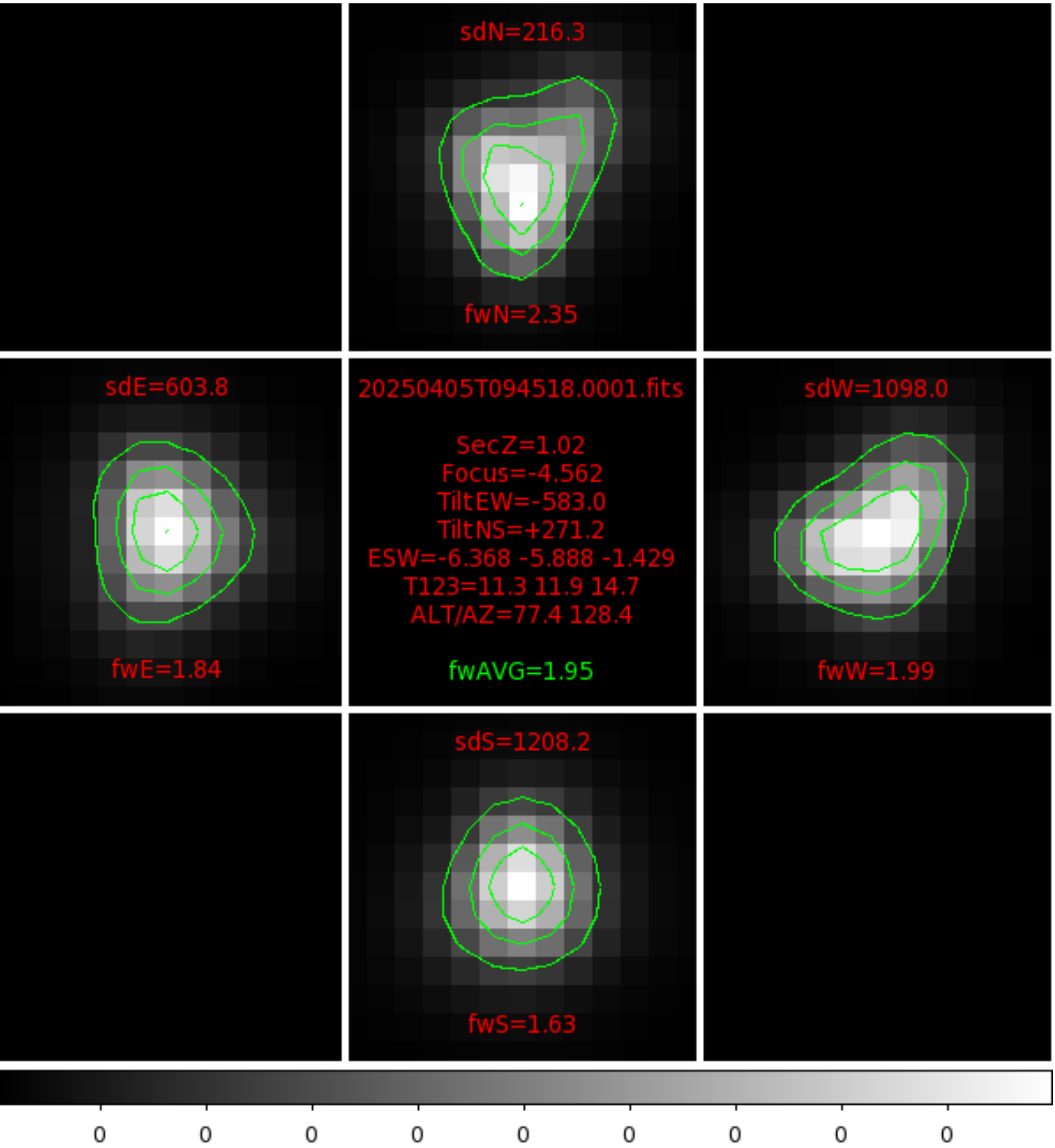
sdN=216.3
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sdE=603.8
fwE=1.84
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SecZ=1.02
Focus=-4.562
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.368 -5.888 -1.429
T123=11.3 11.9 14.7
ALT/AZ=77.4 128.4
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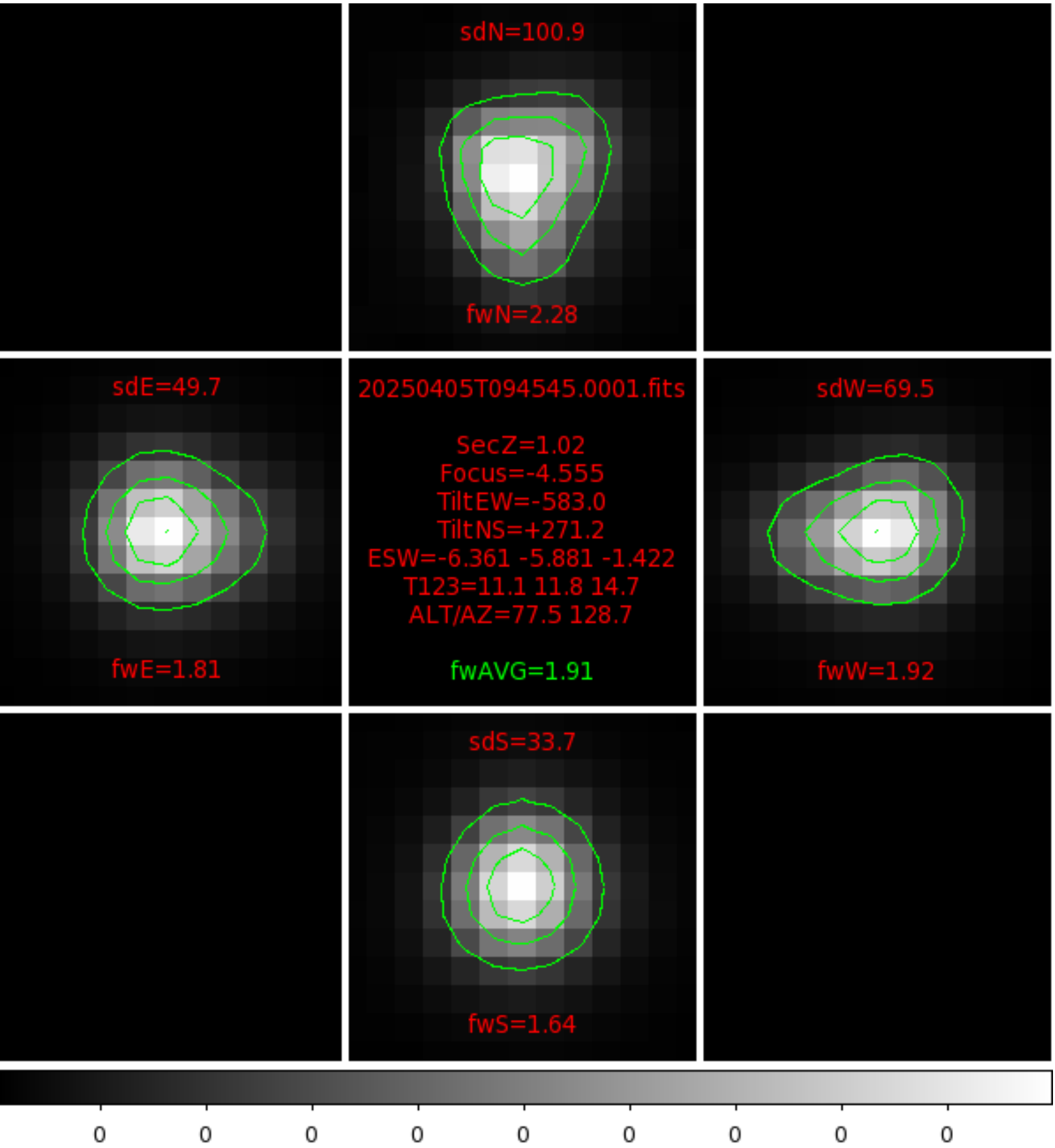
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SecZ=1.02
Focus=-4.555
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.361 -5.881 -1.422
T123=11.1 11.8 14.7
ALT/AZ=77.5 128.7
fwAVG=1.91
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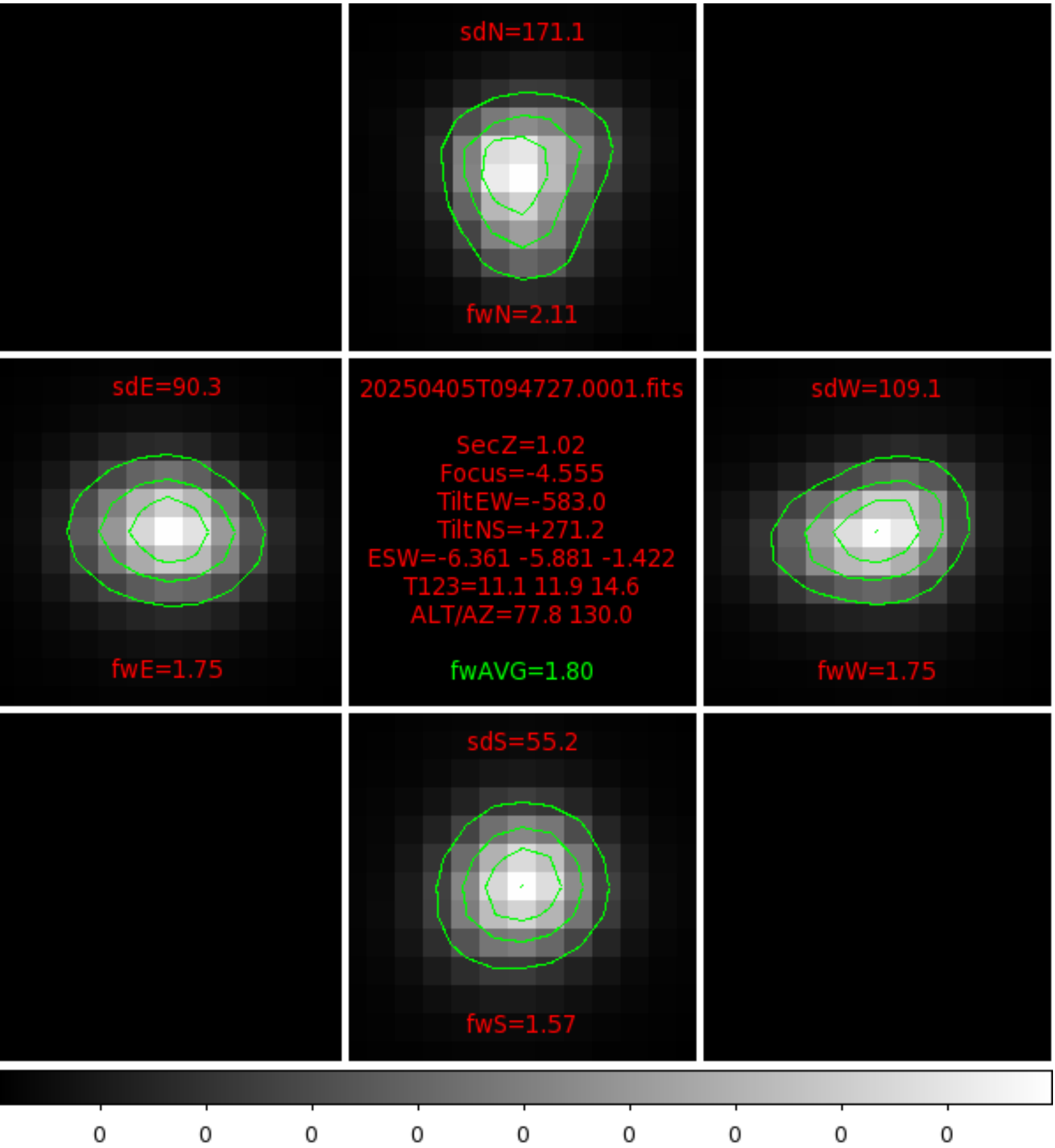
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fwE=1.75
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SecZ=1.02
Focus=-4.555
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.361 -5.881 -1.422
T123=11.1 11.9 14.6
ALT/AZ=77.8 130.0
fwAVG=1.80
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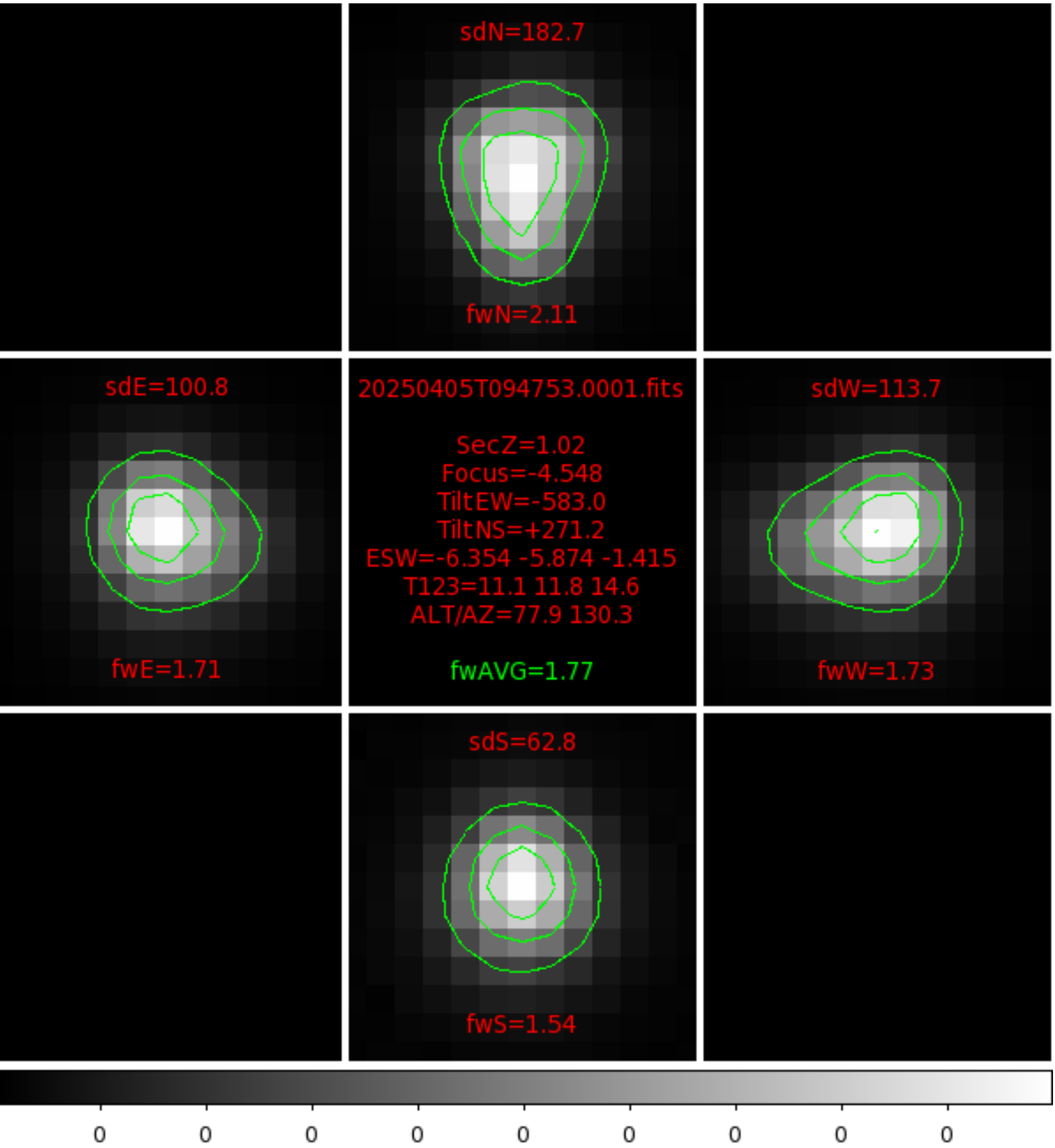
sdN=182.7
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fwE=1.71
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SecZ=1.02
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.354 -5.874 -1.415
T123=11.1 11.8 14.6
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fwAVG=1.77
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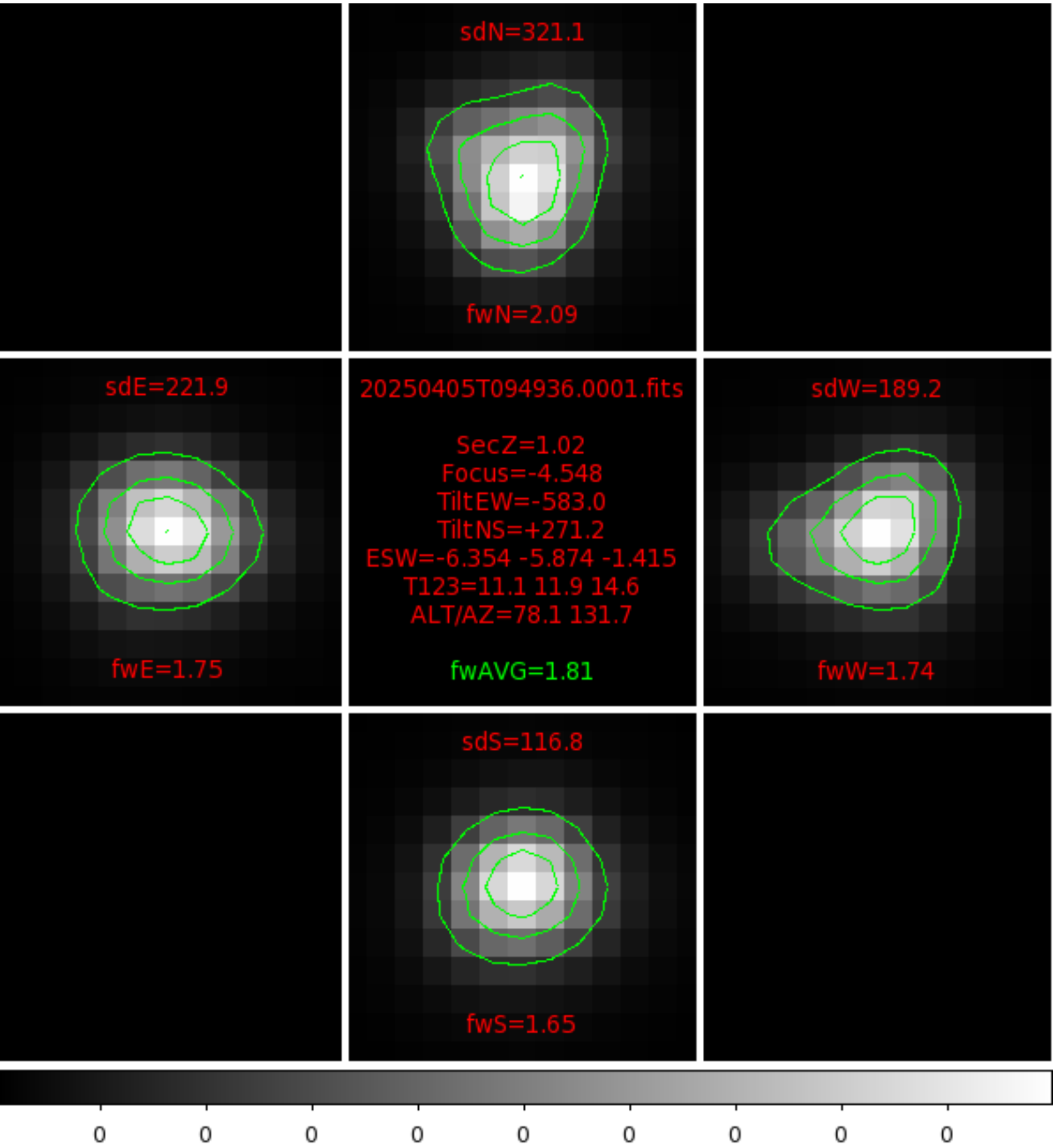
sdN=321.1
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sdE=221.9
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SecZ=1.02
Focus=-4.548
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.354 -5.874 -1.415
T123=11.1 11.9 14.6
ALT/AZ=78.1 131.7
fwAVG=1.81
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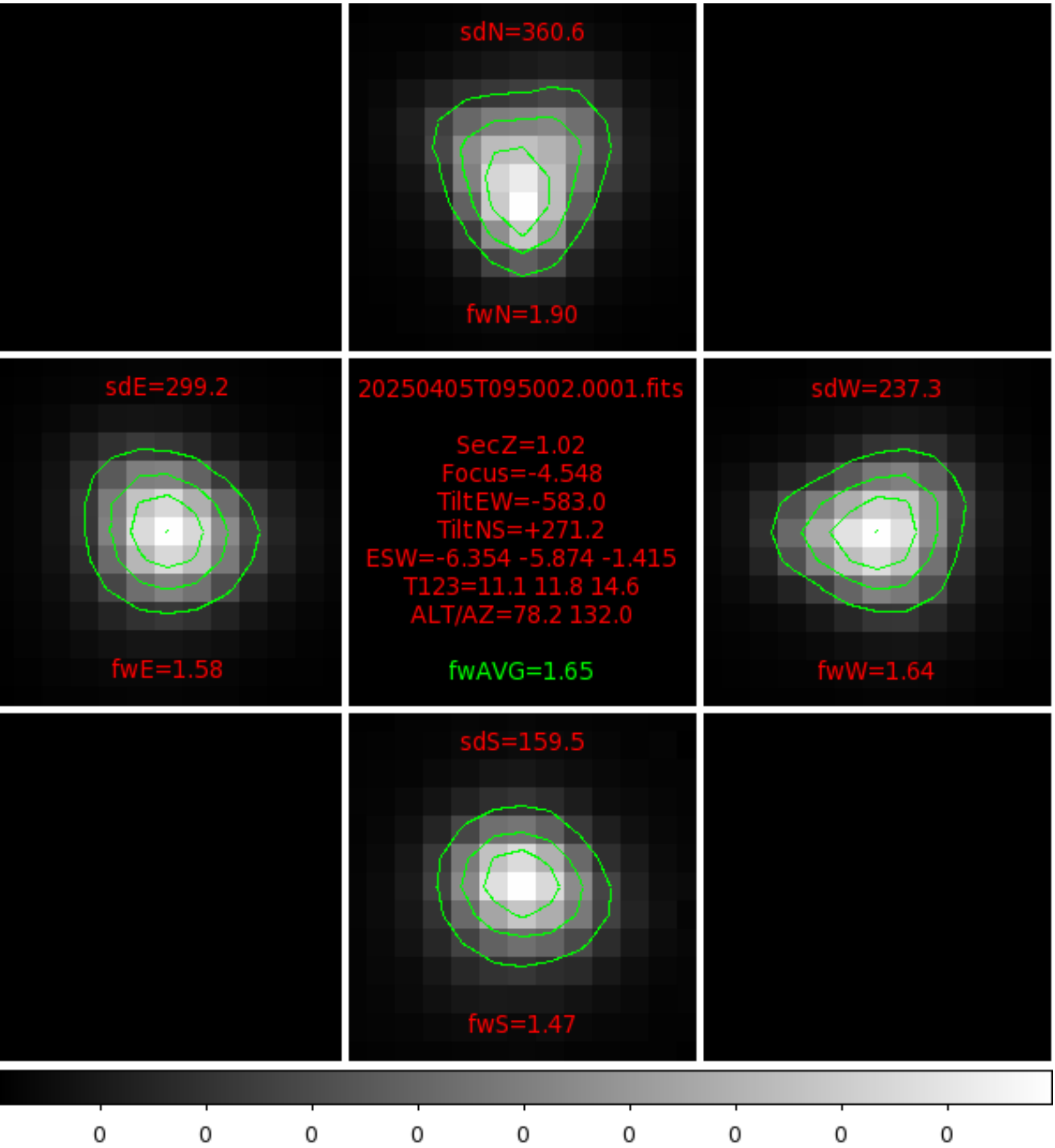
sdN=360.6
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sdE=299.2
fwE=1.58
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SecZ=1.02
Focus=-4.548
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.354 -5.874 -1.415
T123=11.1 11.8 14.6
ALT/AZ=78.2 132.0
fwAVG=1.65
sdW=237.3
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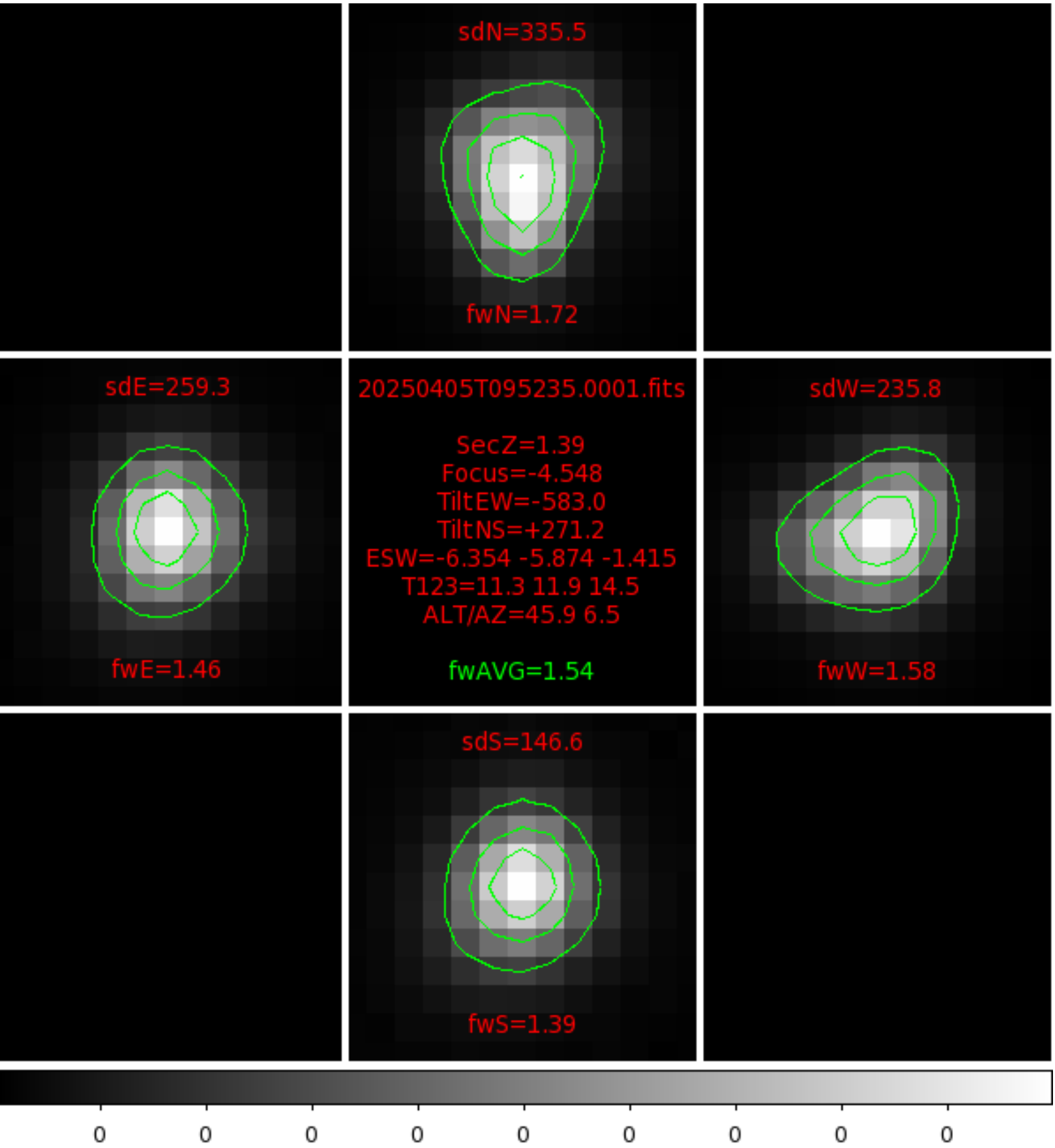
sdN=335.5
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sdE=259.3
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SecZ=1.39
Focus=-4.548
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.354 -5.874 -1.415
T123=11.3 11.9 14.5
ALT/AZ=45.9 6.5
fwAVG=1.54
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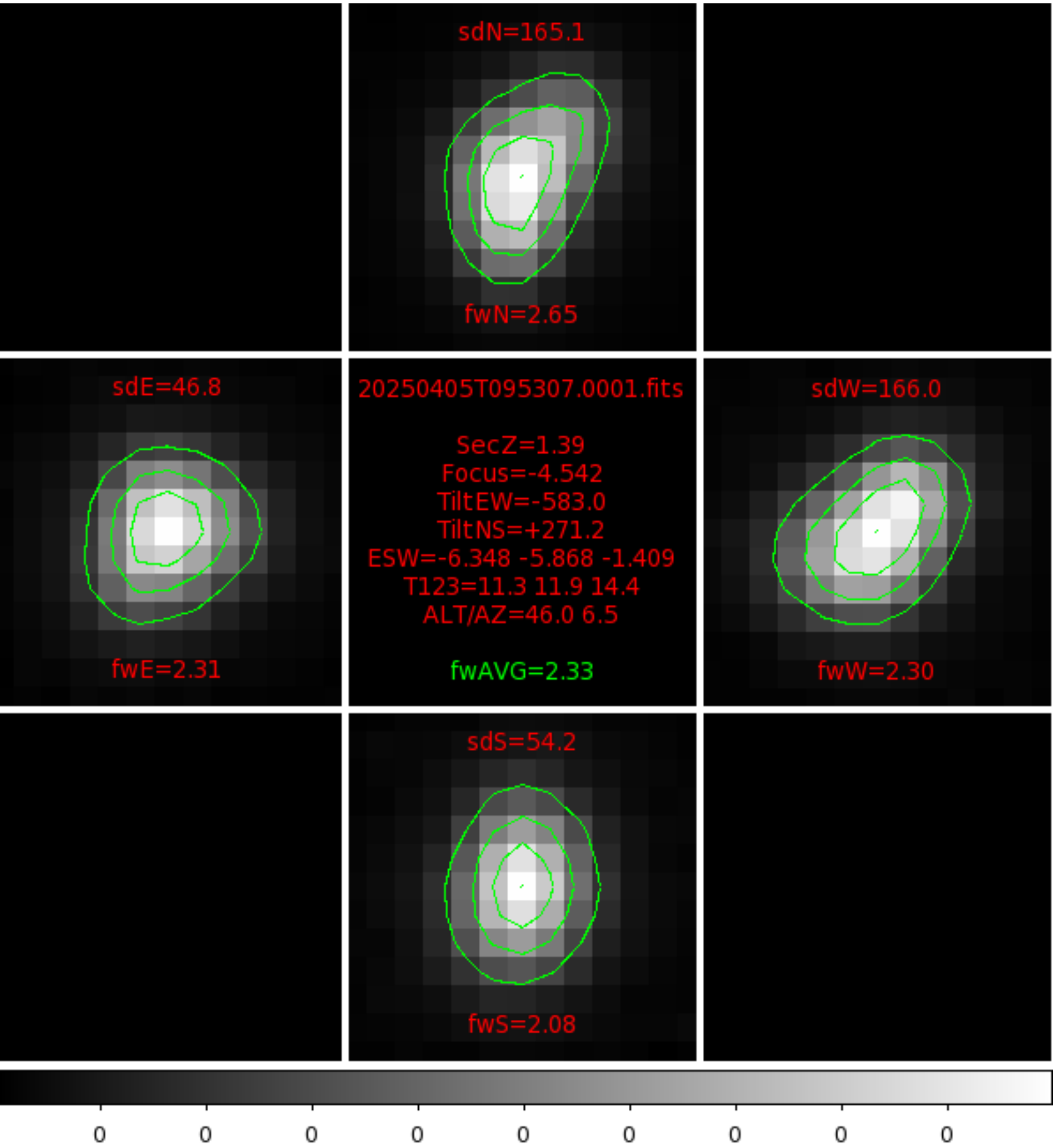
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sdE=46.8
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SecZ=1.39
Focus=-4.542
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.348 -5.868 -1.409
T123=11.3 11.9 14.4
ALT/AZ=46.0 6.5
fwAVG=2.33
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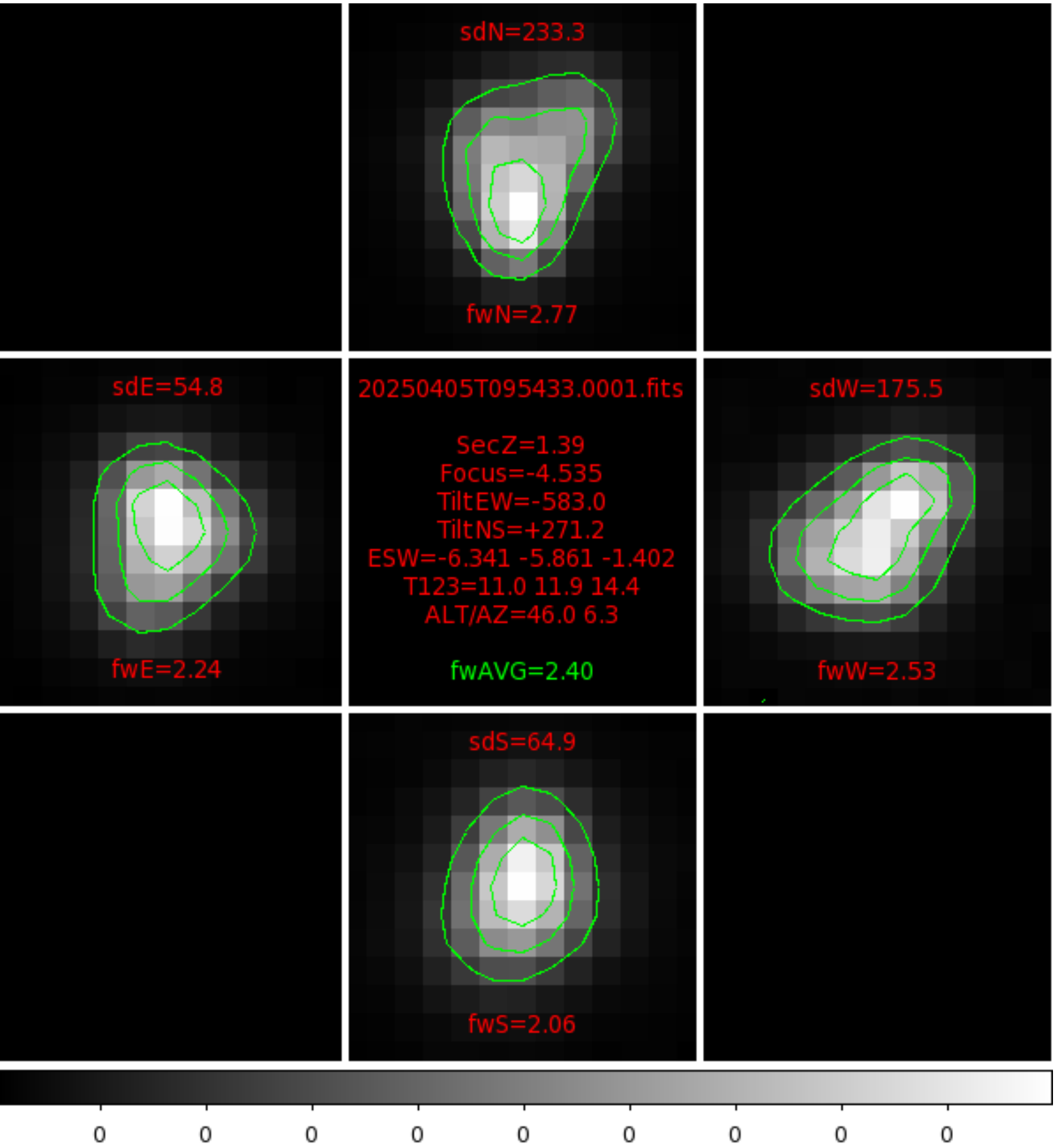
sdN=233.3
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SecZ=1.39
Focus=-4.535
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.341 -5.861 -1.402
T123=11.0 11.9 14.4
ALT/AZ=46.0 6.3
fwAVG=2.40
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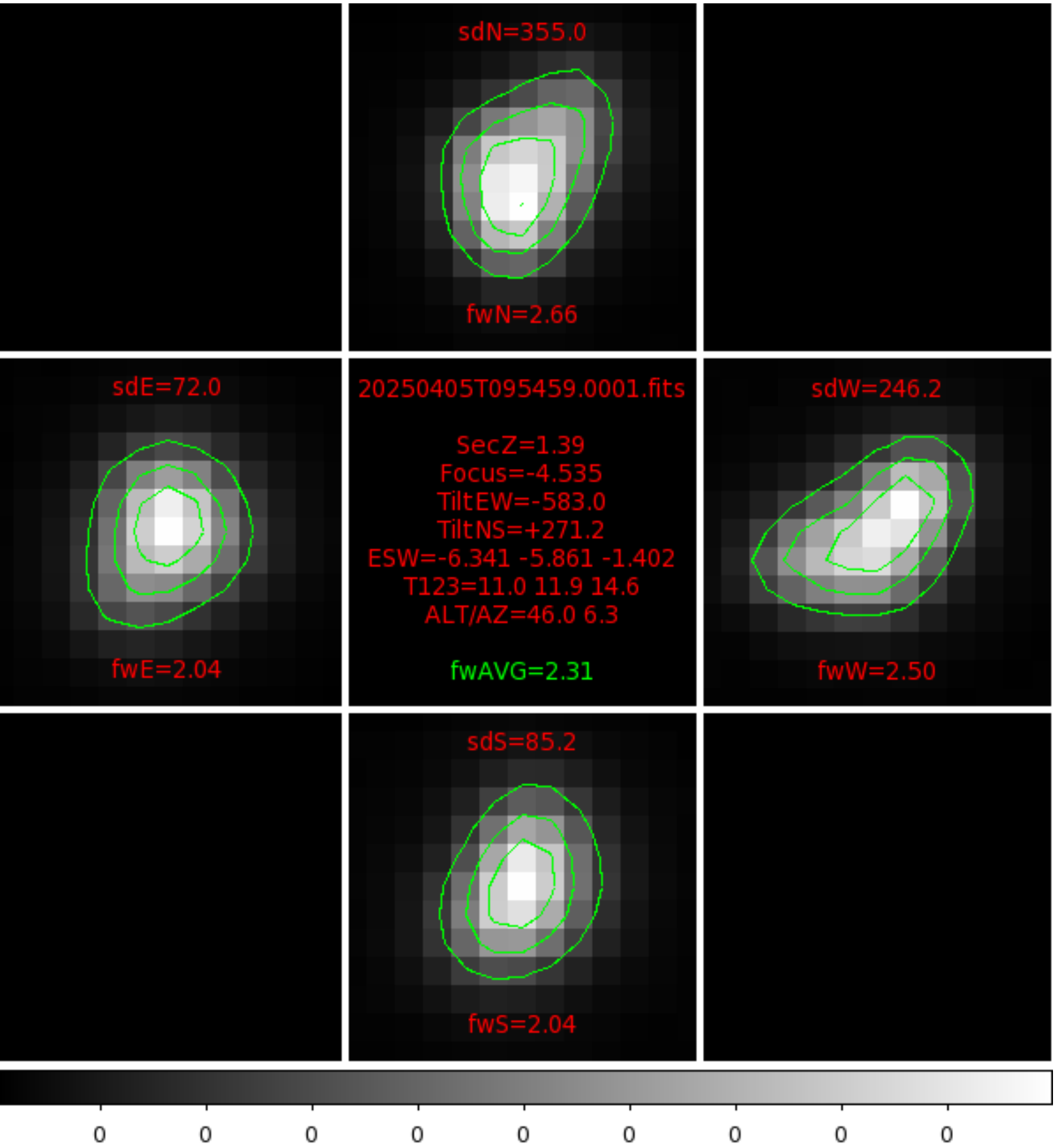
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Focus=-4.535
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.341 -5.861 -1.402
T123=11.0 11.9 14.6
ALT/AZ=46.0 6.3
fwAVG=2.31
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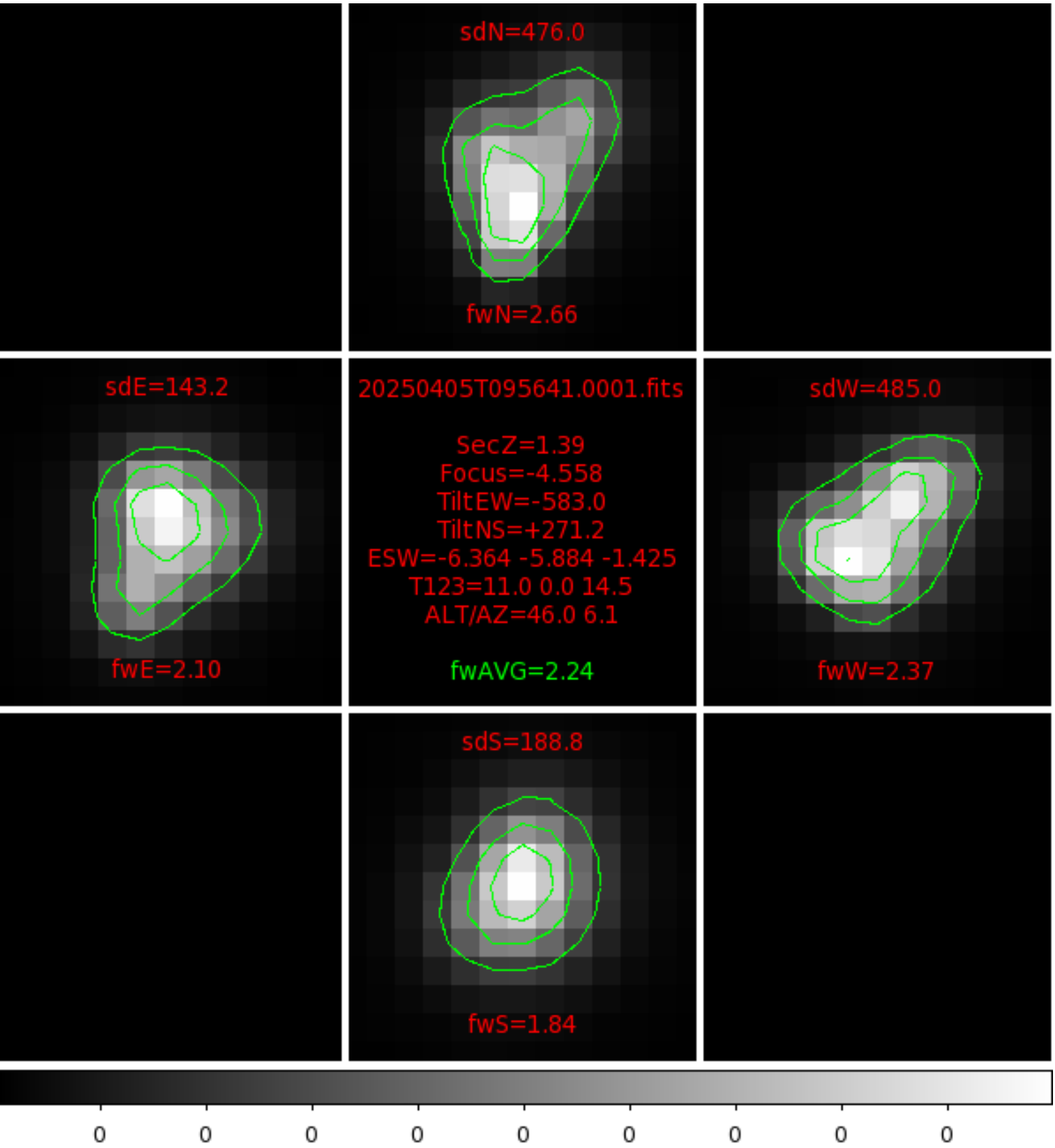
sdN=476.0
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SecZ=1.39
Focus=-4.558
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.364 -5.884 -1.425
T123=11.0 0.0 14.5
ALT/AZ=46.0 6.1
fwAVG=2.24
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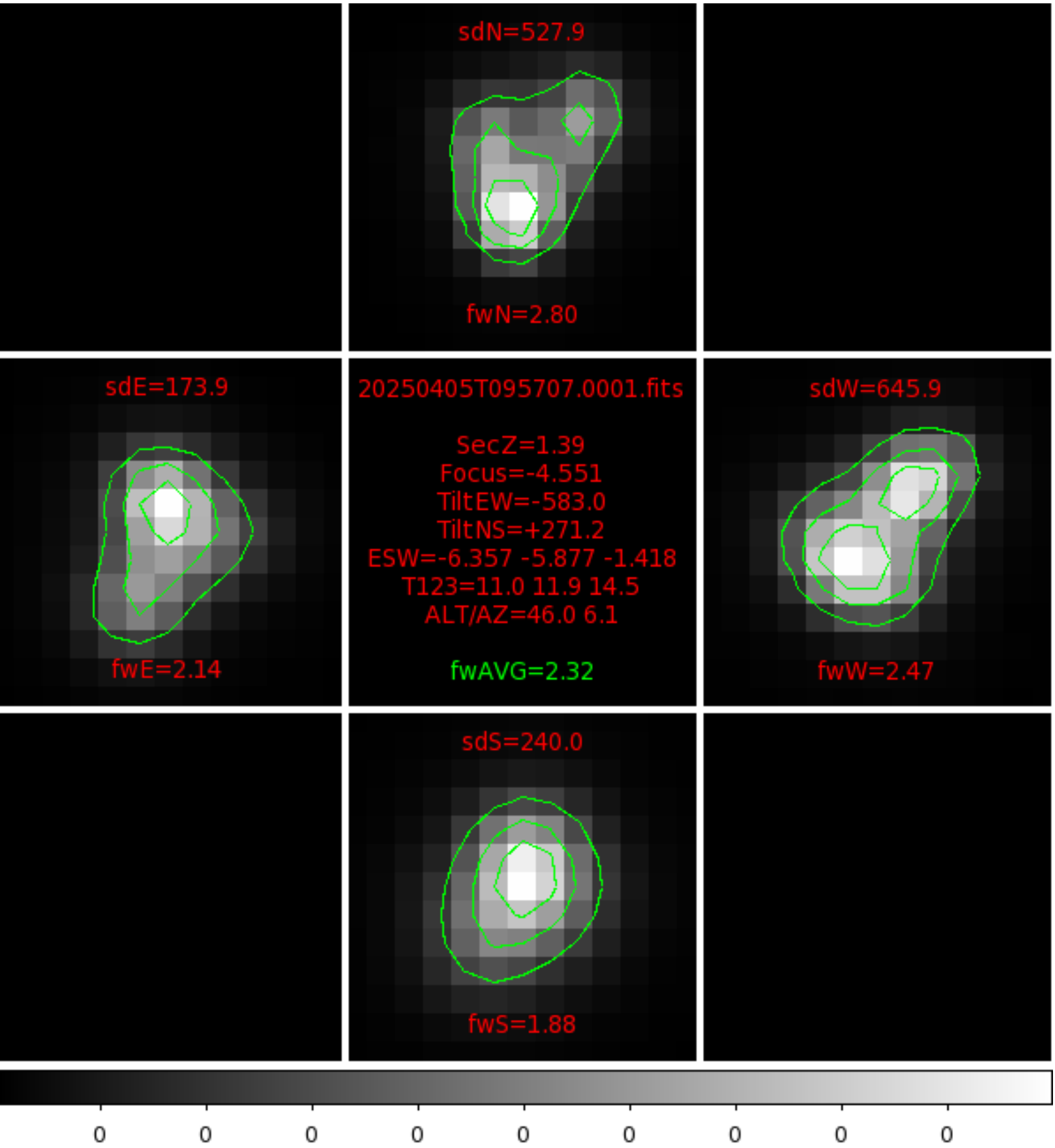
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SecZ=1.39
Focus=-4.551
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.357 -5.877 -1.418
T123=11.0 11.9 14.5
ALT/AZ=46.0 6.1
fwAVG=2.32
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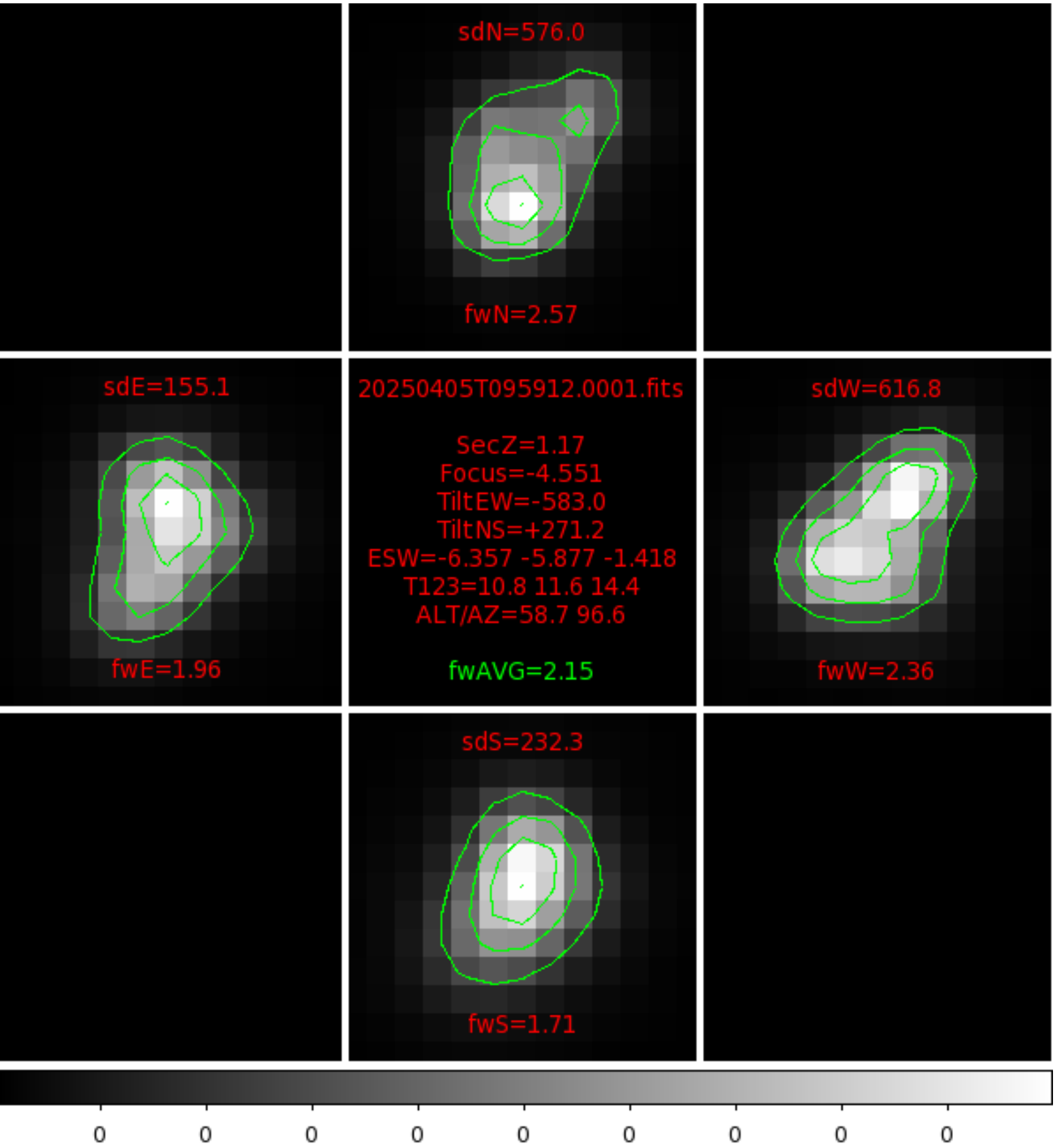
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.357 -5.877 -1.418
T123=10.8 11.6 14.4
ALT/AZ=58.7 96.6
fwAVG=2.15
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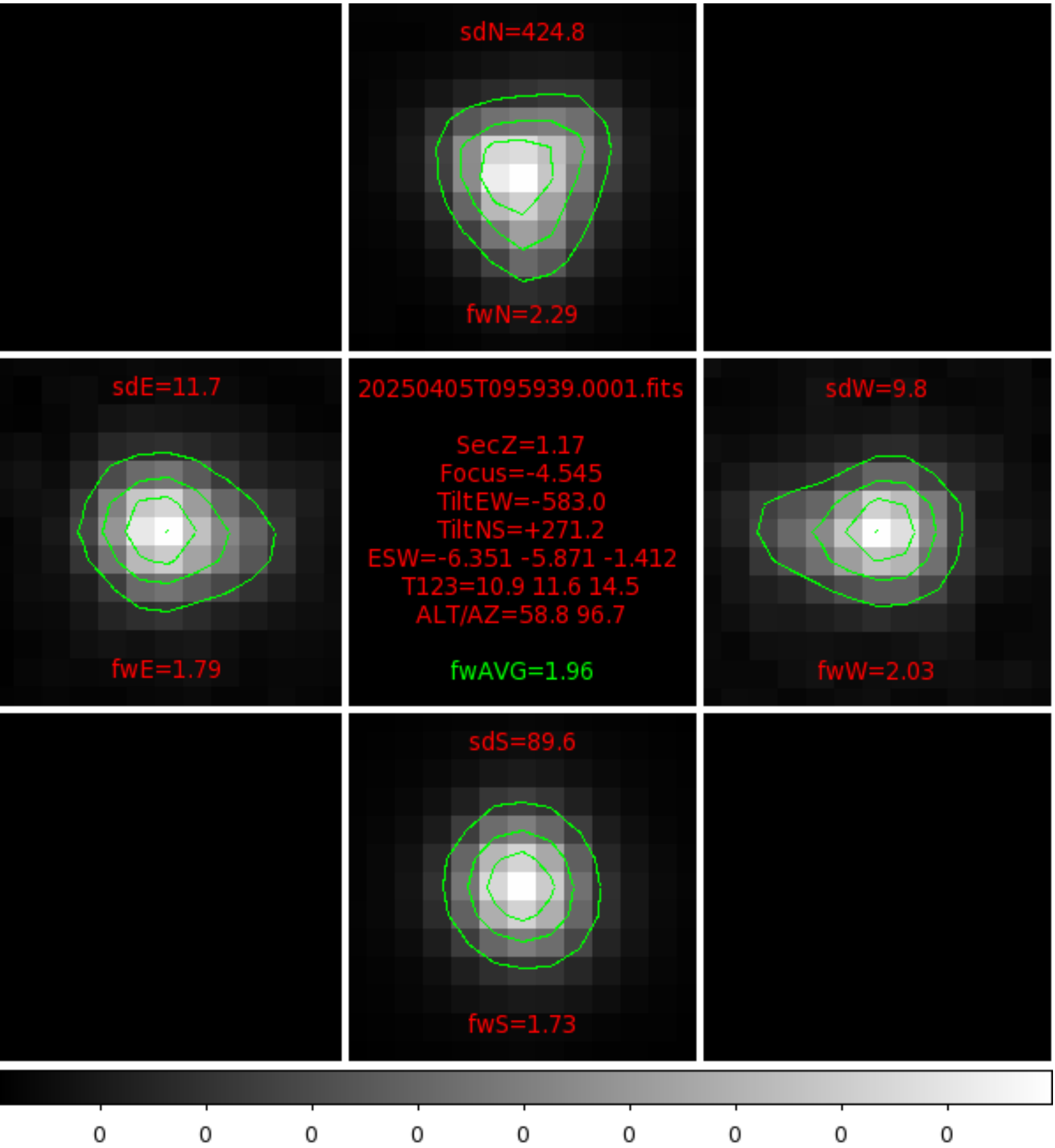
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Focus=-4.545
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.351 -5.871 -1.412
T123=10.9 11.6 14.5
ALT/AZ=58.8 96.7
fwAVG=1.96
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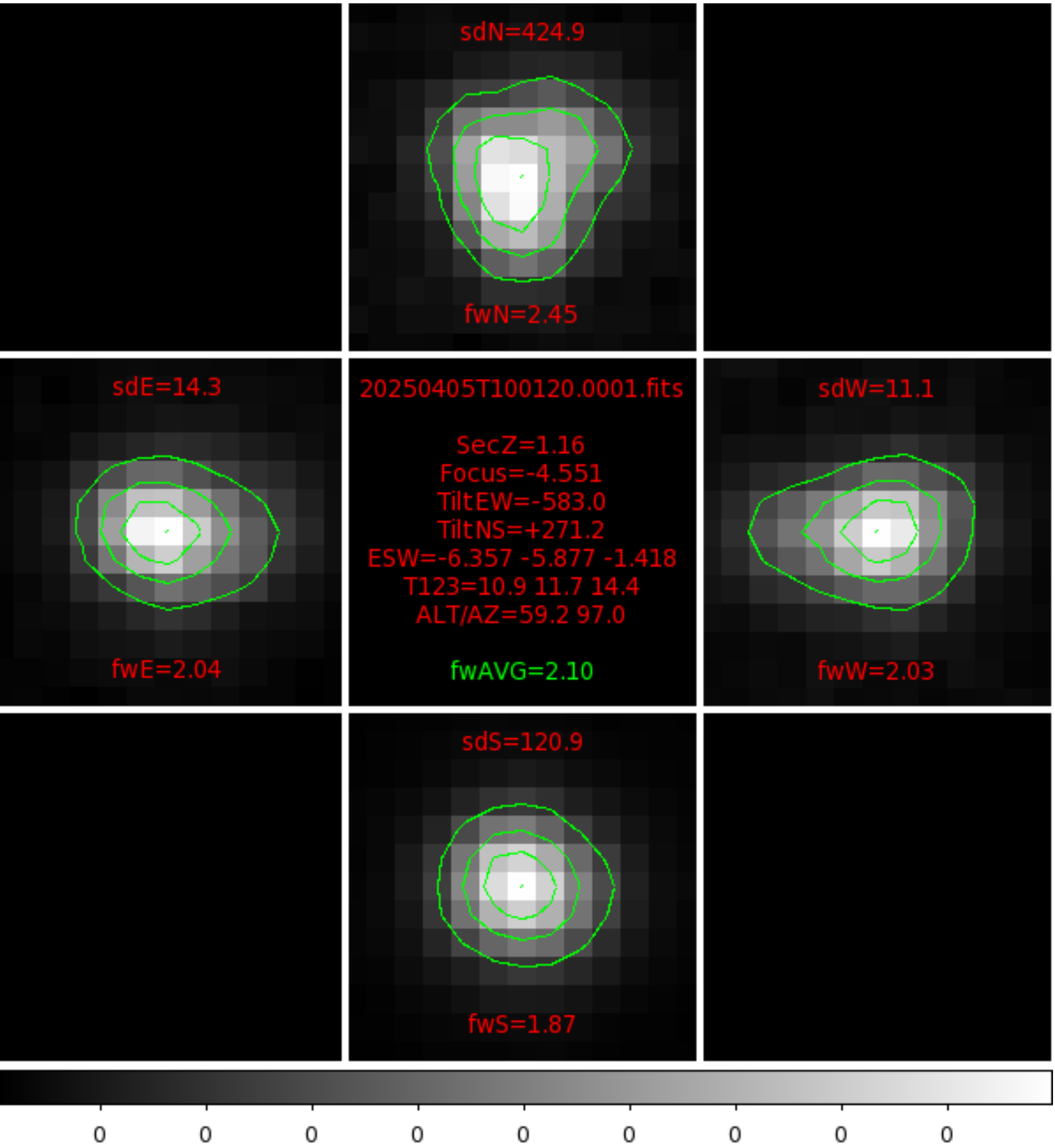
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SecZ=1.16
Focus=-4.551
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.357 -5.877 -1.418
T123=10.9 11.7 14.4
ALT/AZ=59.2 97.0
fwAVG=2.10
sdW=11.1
fwW=2.03
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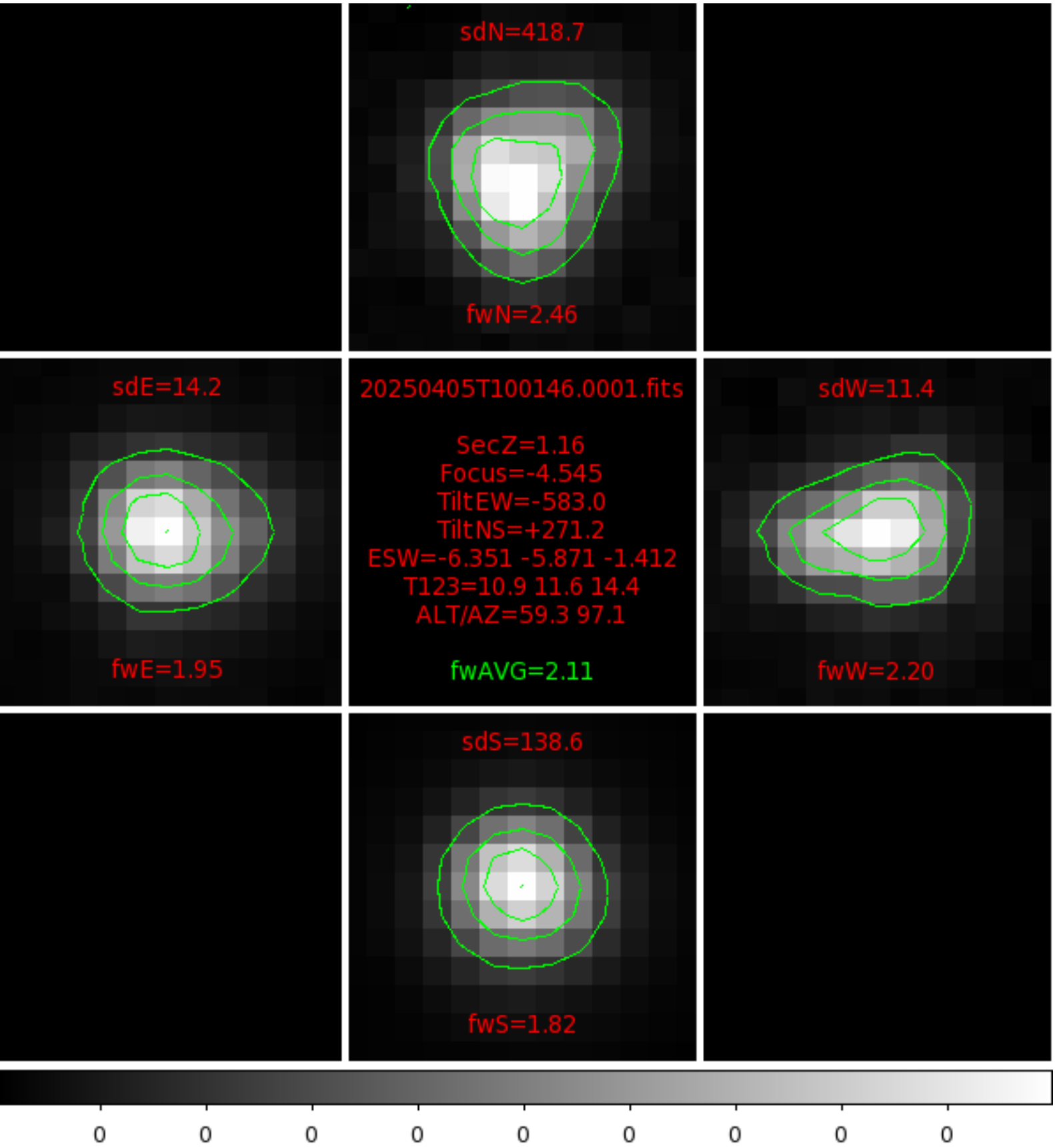
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sdE=14.2
fwE=1.95
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SecZ=1.16
Focus=-4.545
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.351 -5.871 -1.412
T123=10.9 11.6 14.4
ALT/AZ=59.3 97.1
fwAVG=2.11
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sdS=138.6
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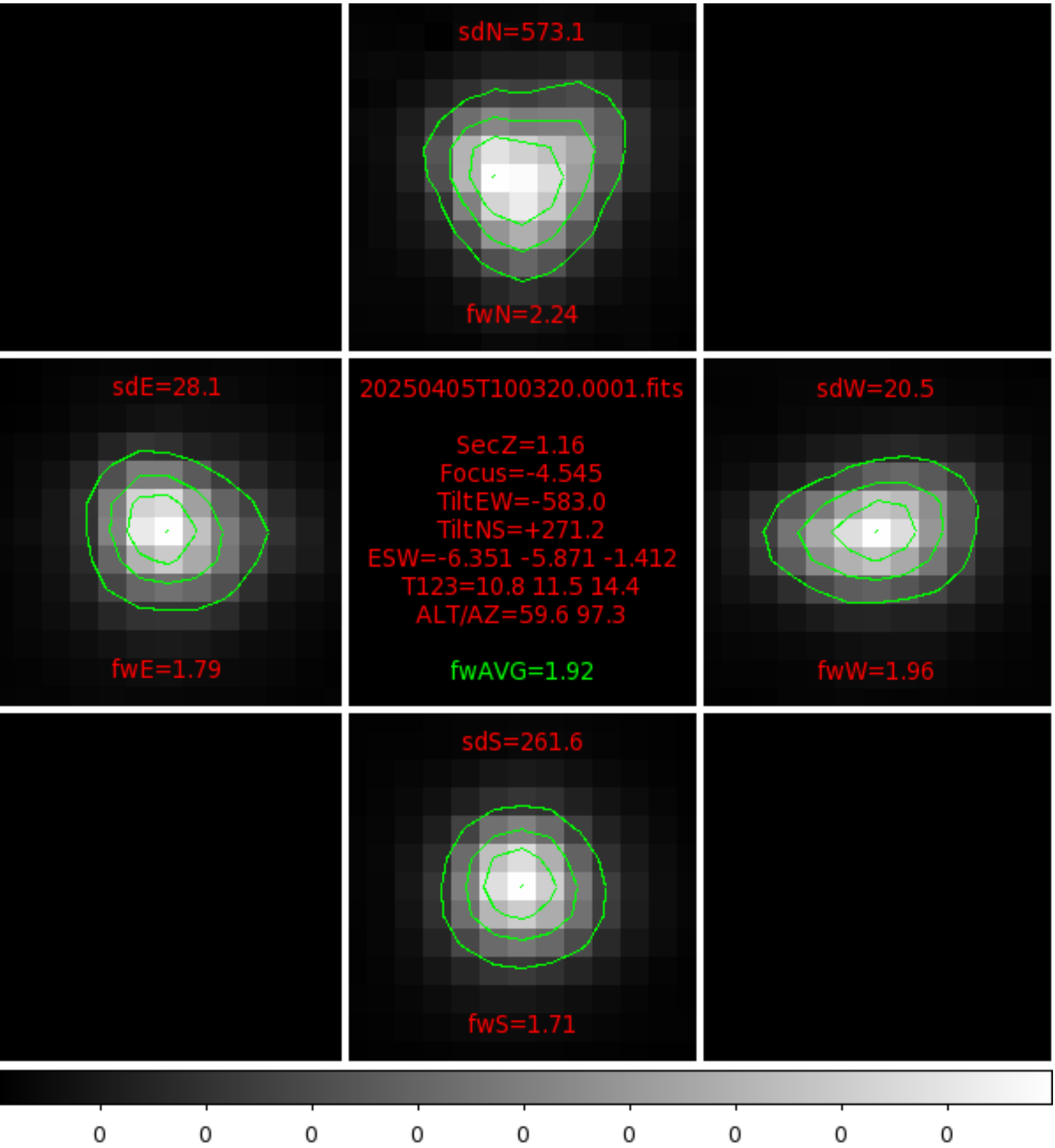
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sdE=28.1
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20250405T100320.0001.fits
SecZ=1.16
Focus=-4.545
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.351 -5.871 -1.412
T123=10.8 11.5 14.4
ALT/AZ=59.6 97.3
fwAVG=1.92
sdW=20.5
fwW=1.96
sdS=261.6
fwS=1.71
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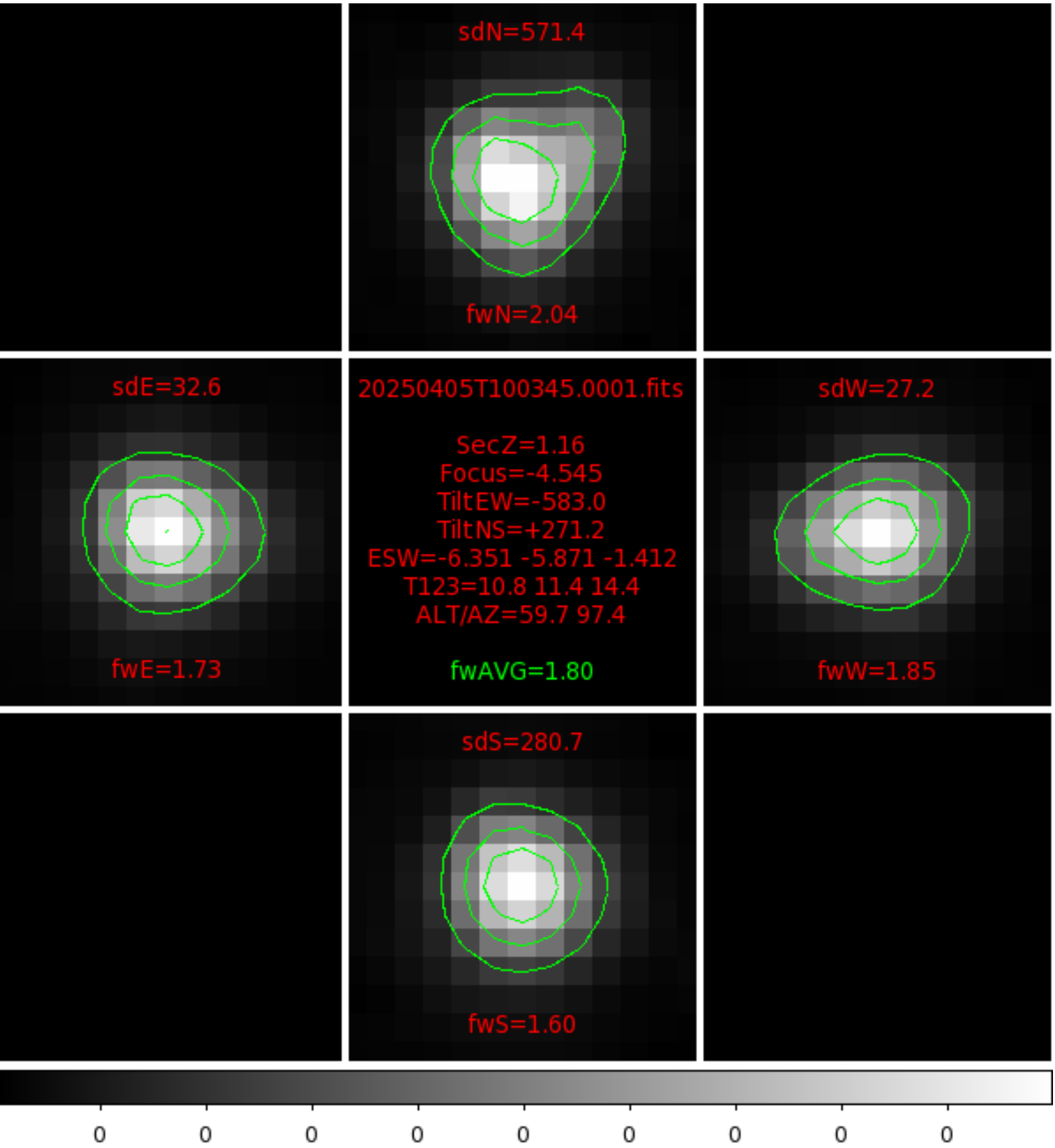
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ESW=-6.351 -5.871 -1.412
T123=10.8 11.4 14.4
ALT/AZ=59.7 97.4
fwAVG=1.80
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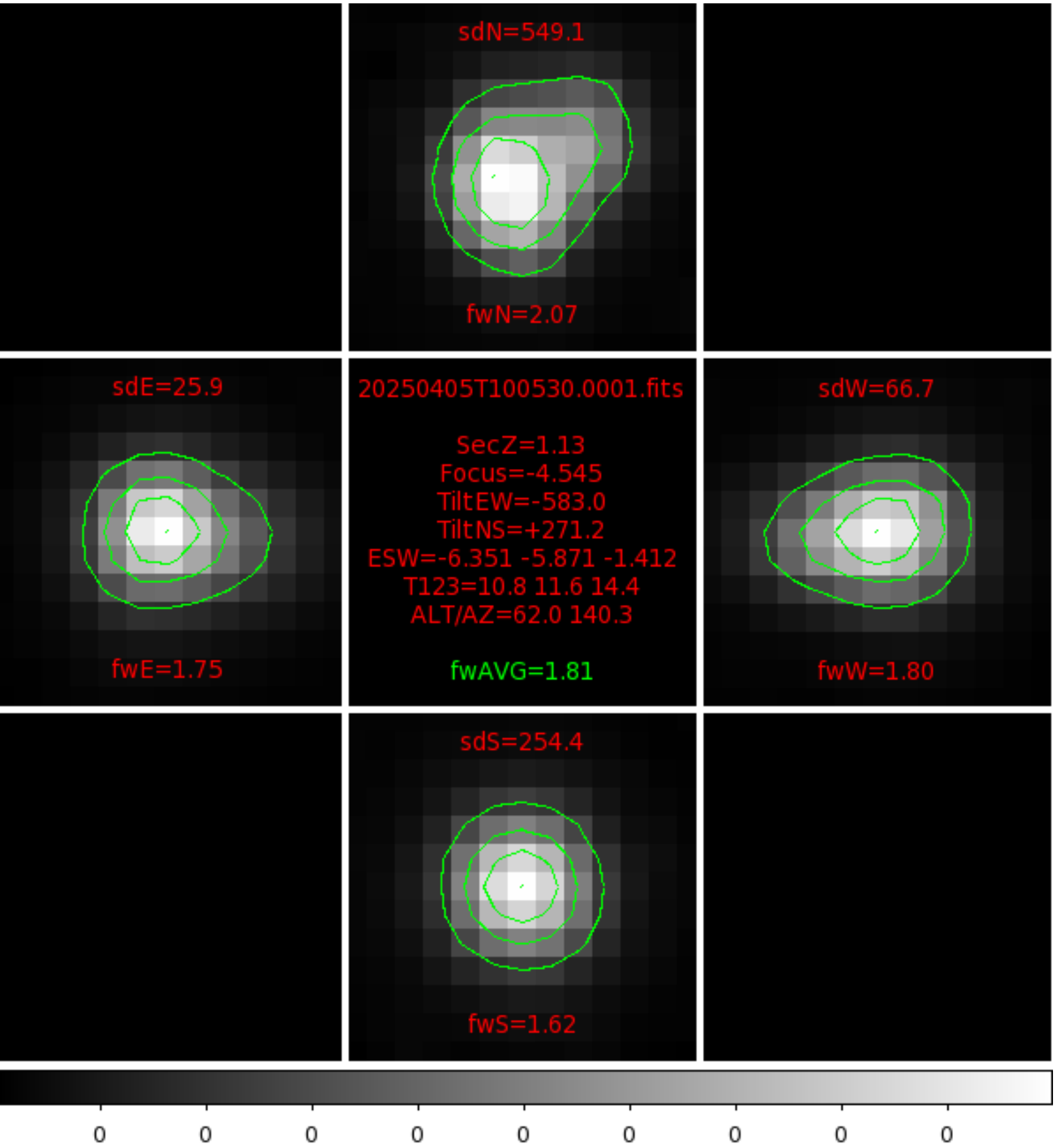
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20250405T100530.0001.fits
SecZ=1.13
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.351 -5.871 -1.412
T123=10.8 11.6 14.4
ALT/AZ=62.0 140.3
fwAVG=1.81
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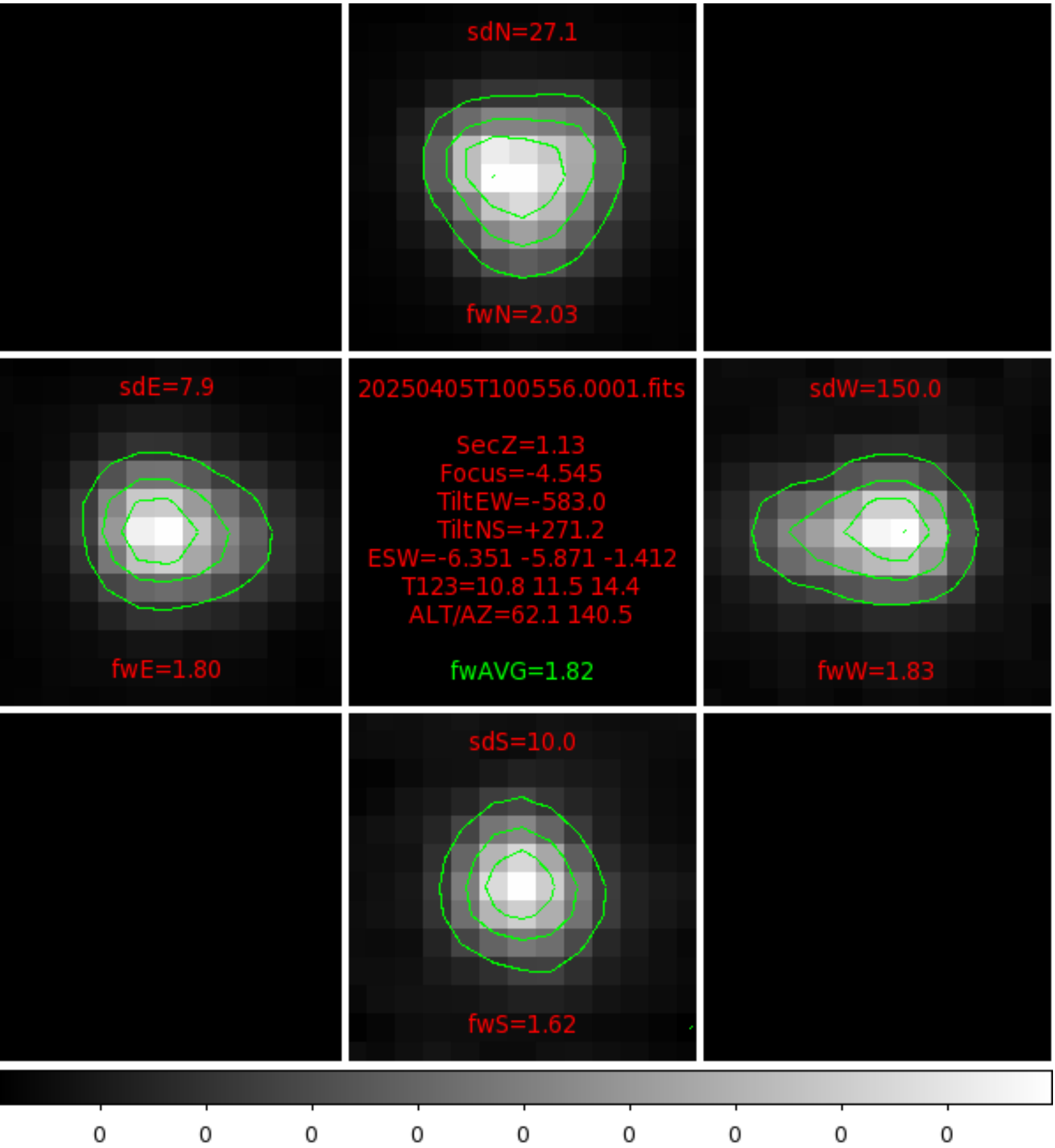
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ESW=-6.351 -5.871 -1.412
T123=10.8 11.5 14.4
ALT/AZ=62.1 140.5
fwAVG=1.82
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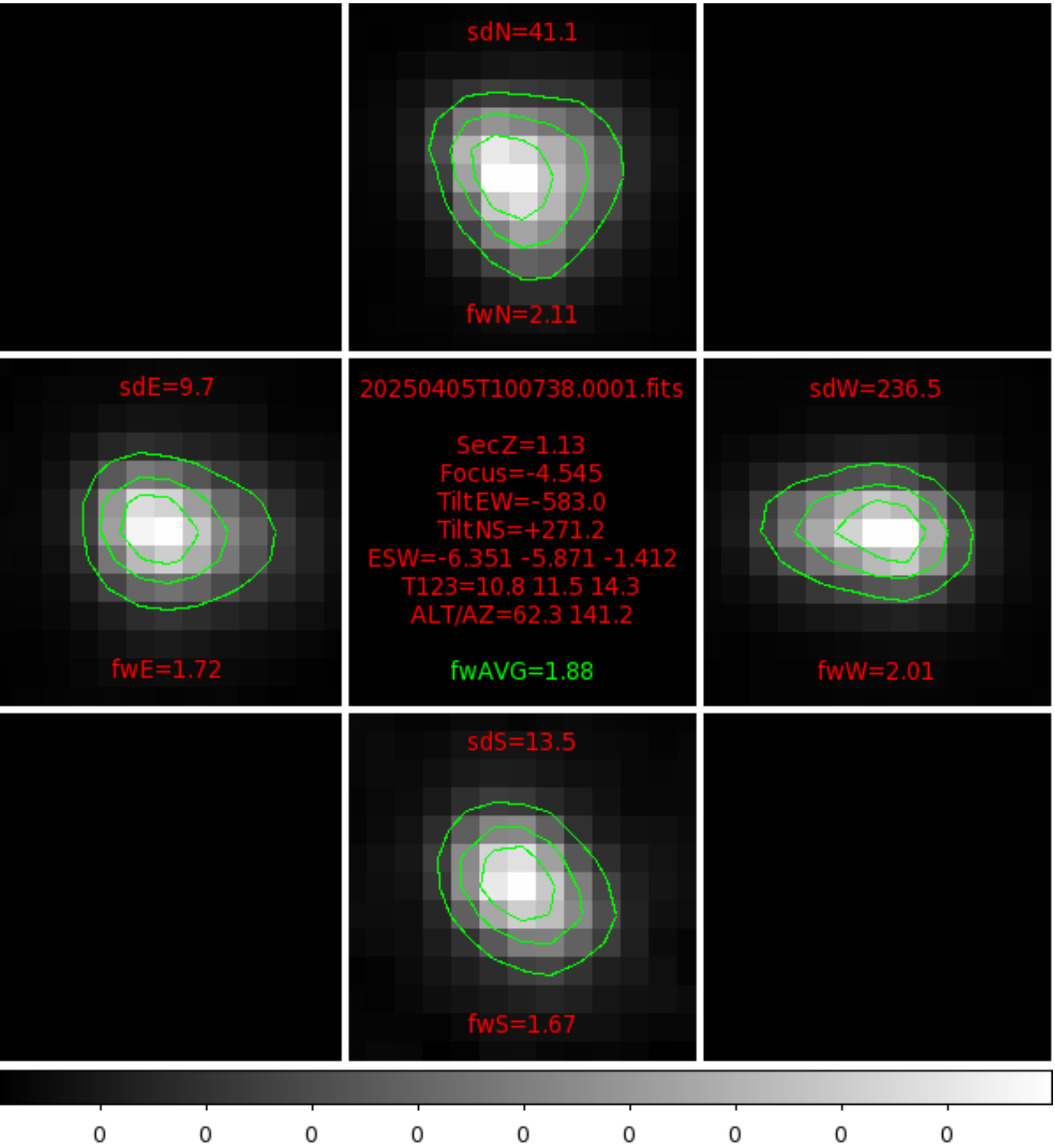
sdN=41.1
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fwE=1.72
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TiltNS=+271.2
ESW=-6.351 -5.871 -1.412
T123=10.8 11.5 14.3
ALT/AZ=62.3 141.2
fwAVG=1.88
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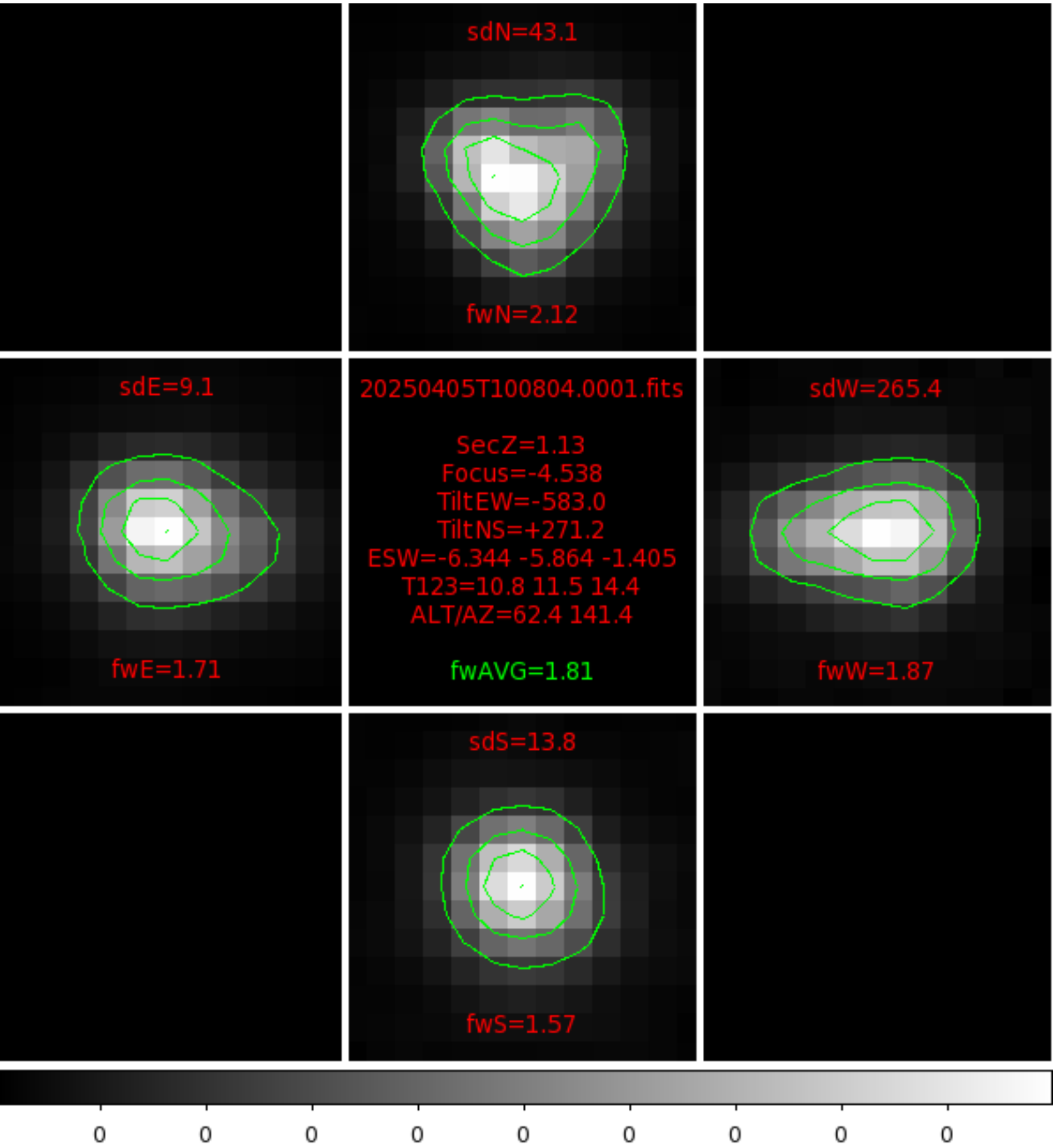
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fwE=1.71
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.344 -5.864 -1.405
T123=10.8 11.5 14.4
ALT/AZ=62.4 141.4
fwAVG=1.81
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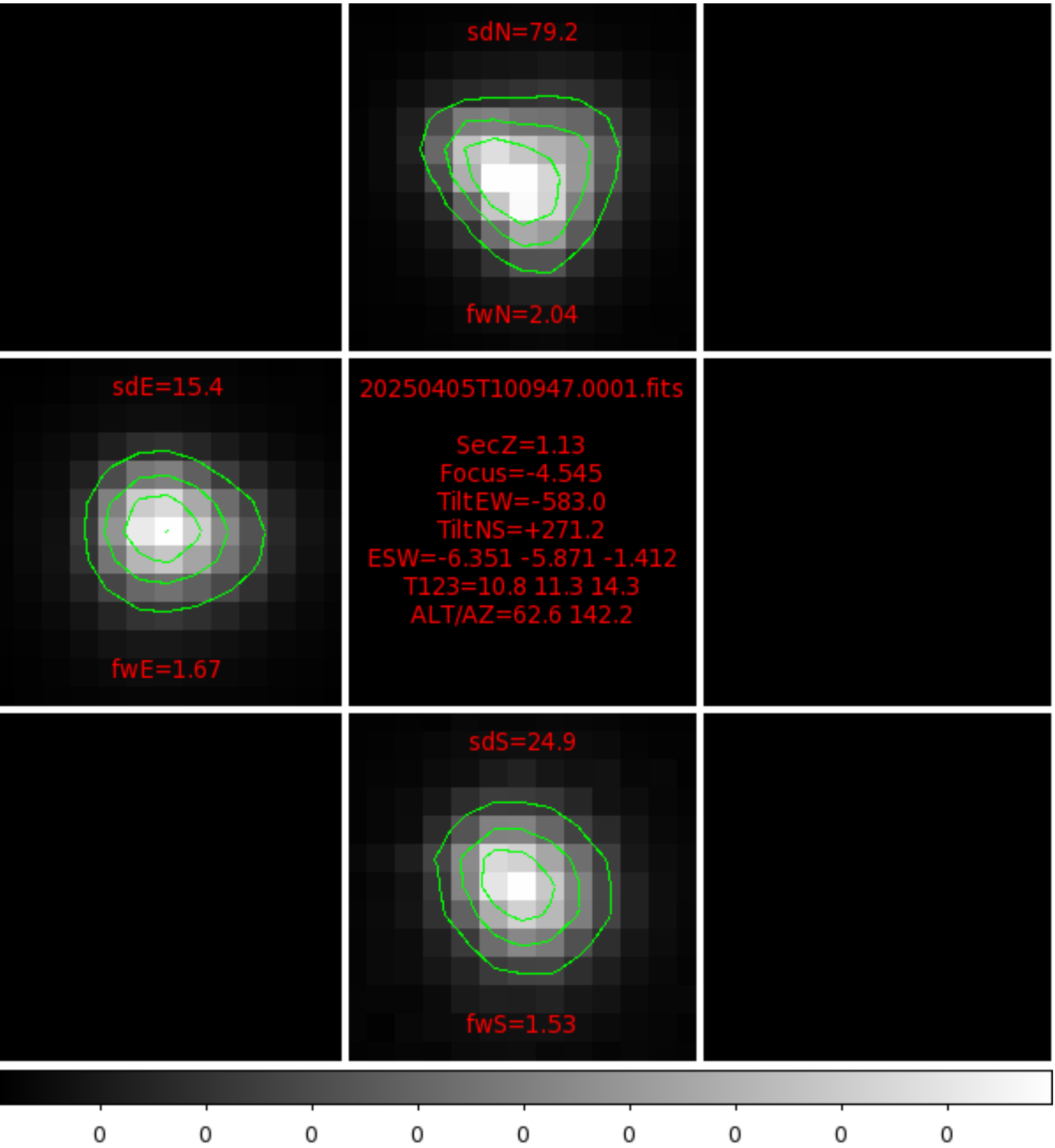
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.351 -5.871 -1.412
T123=10.8 11.3 14.3
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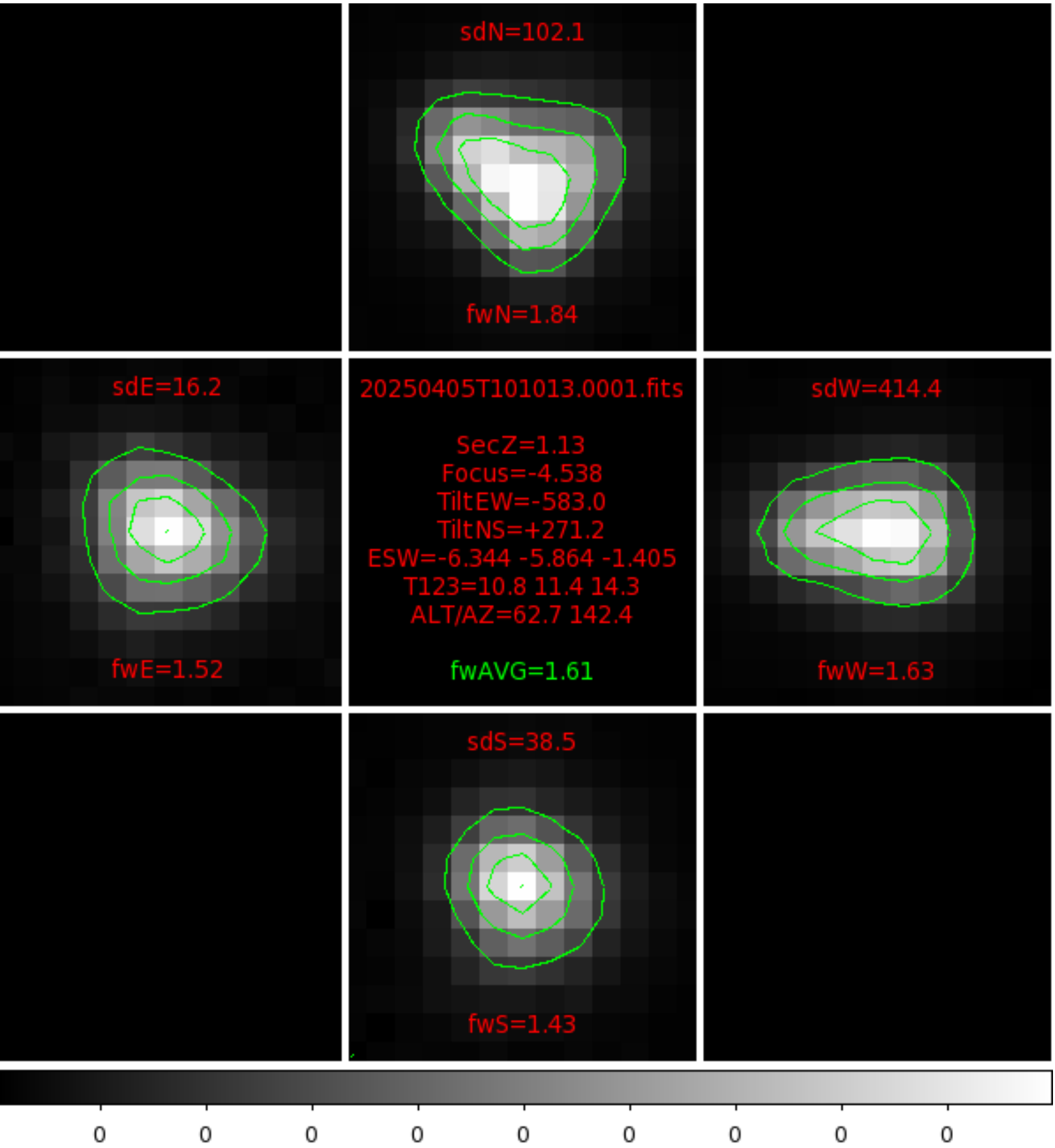
sdN=102.1
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SecZ=1.13
Focus=-4.538
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.344 -5.864 -1.405
T123=10.8 11.4 14.3
ALT/AZ=62.7 142.4
fwAVG=1.61
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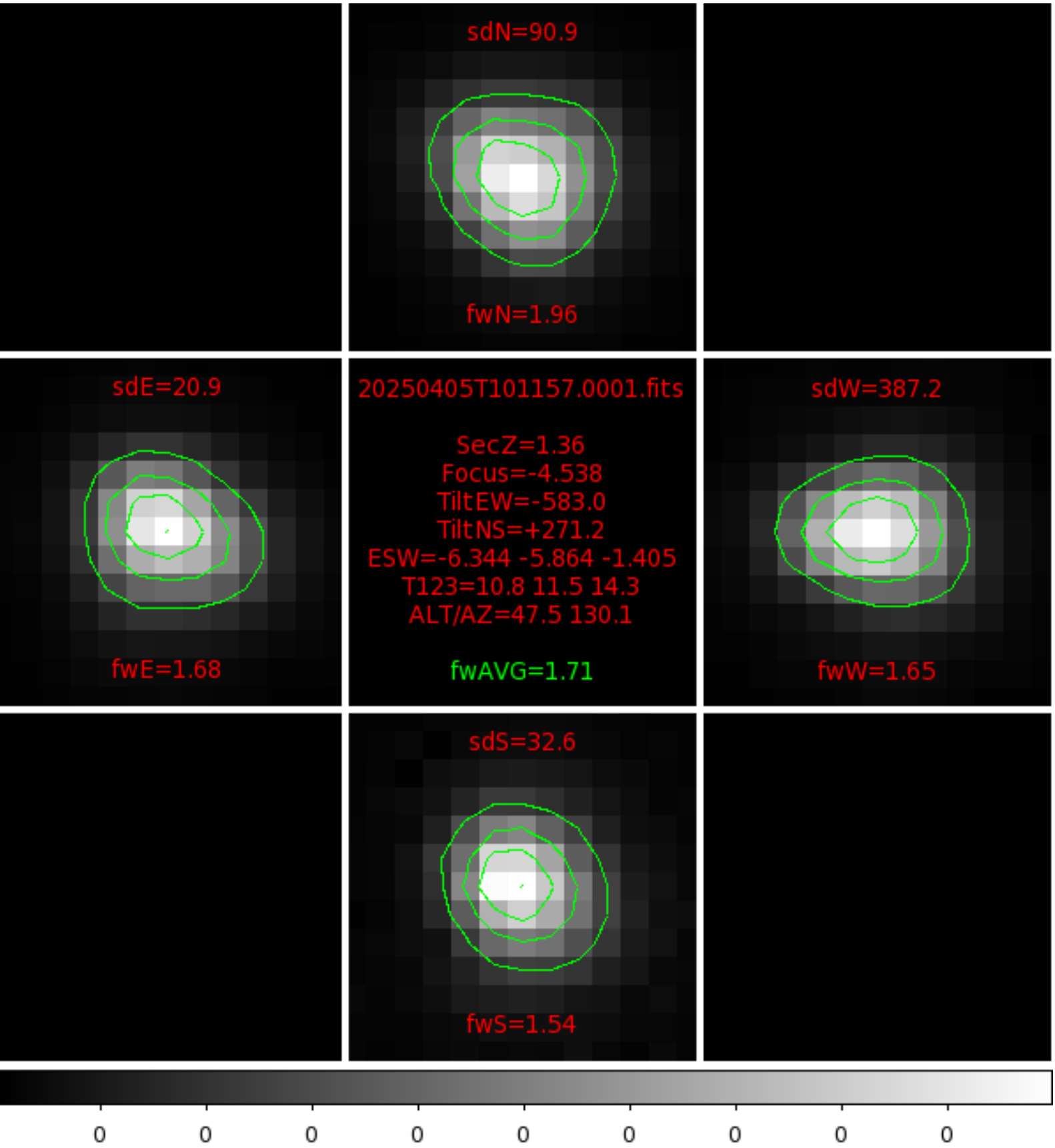
sdN=90.9
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fwE=1.68
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SecZ=1.36
Focus=-4.538
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.344 -5.864 -1.405
T123=10.8 11.5 14.3
ALT/AZ=47.5 130.1
fwAVG=1.71
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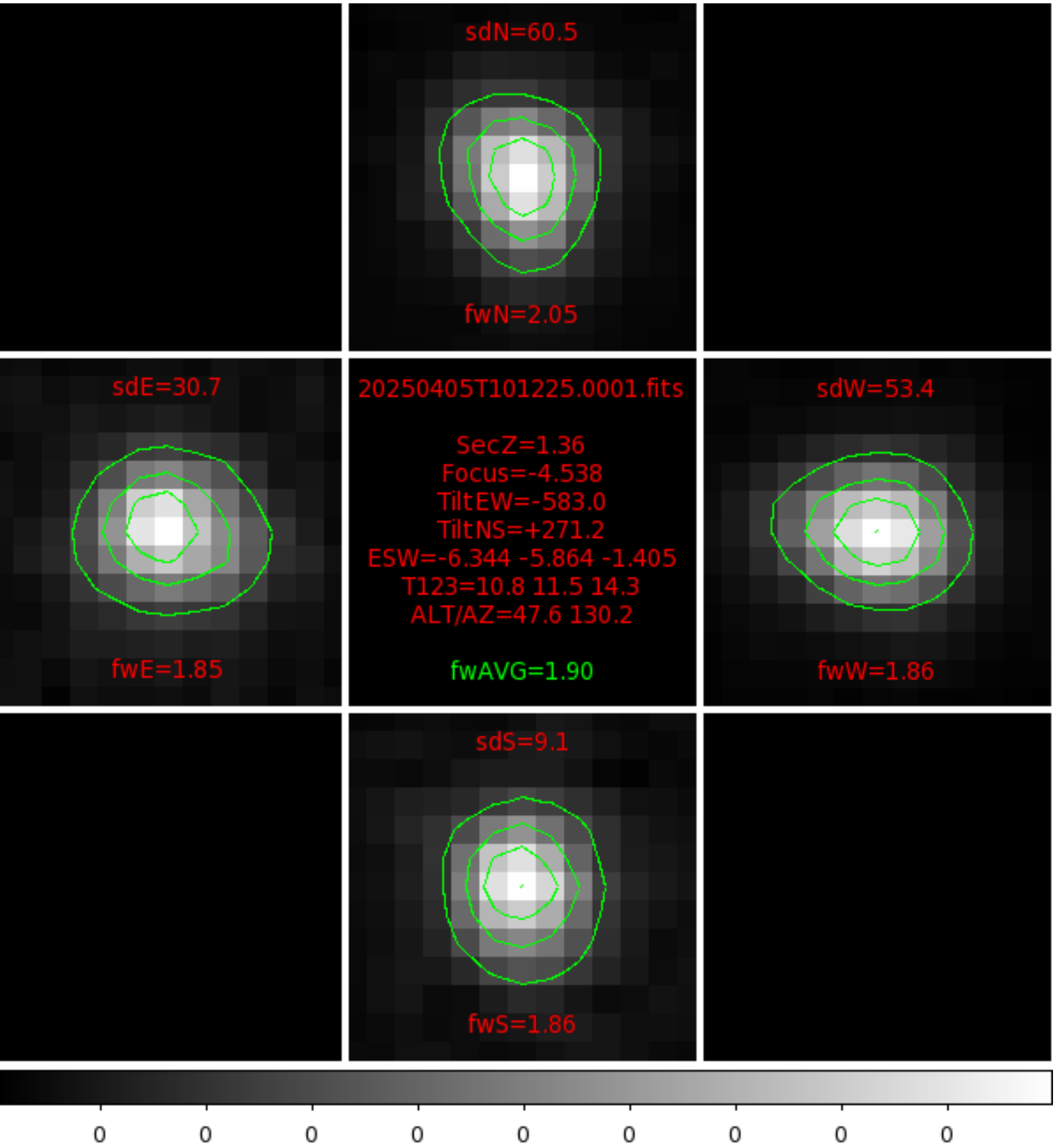
sdN=60.5
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SecZ=1.36
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.344 -5.864 -1.405
T123=10.8 11.5 14.3
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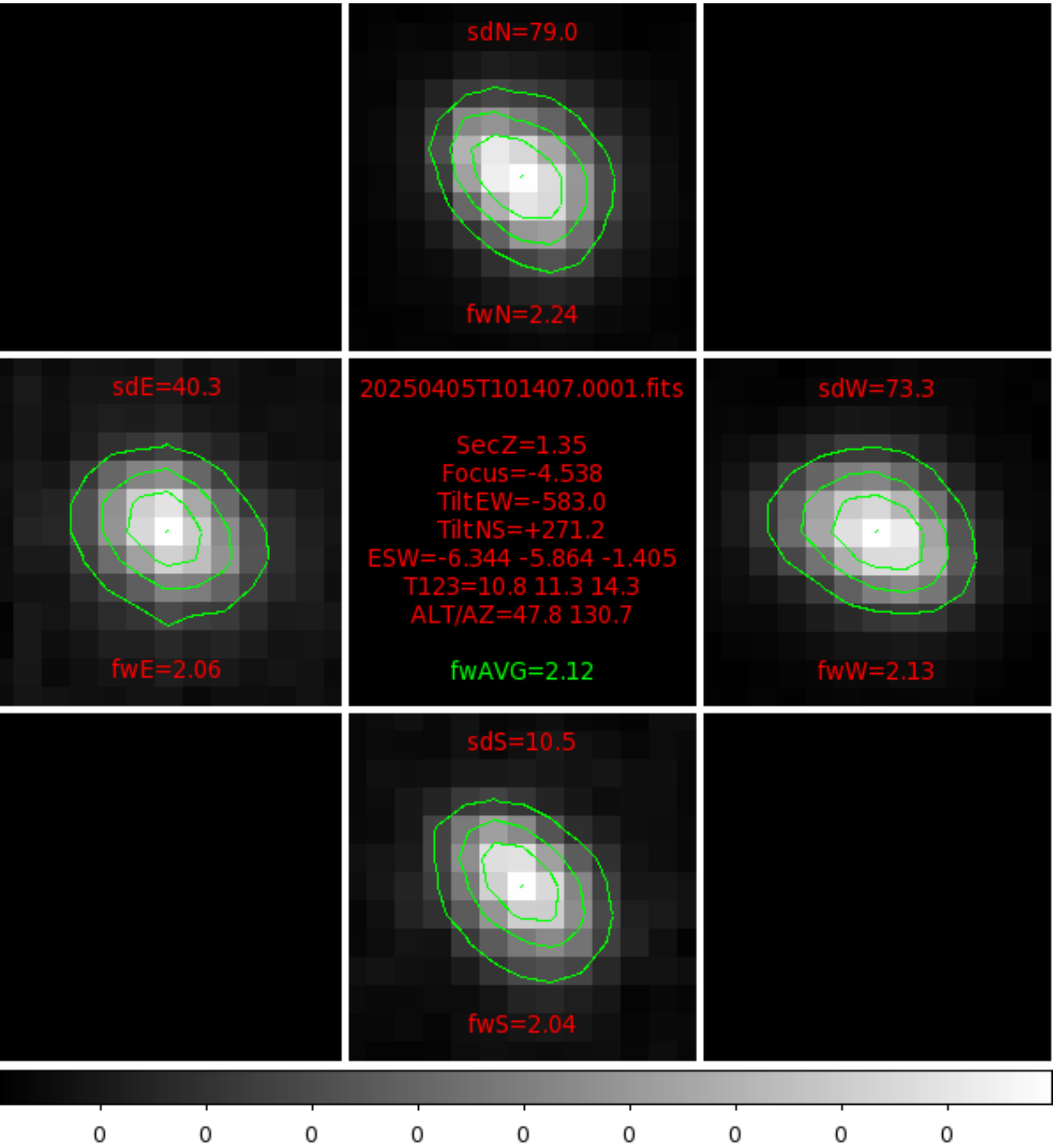
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SecZ=1.35
Focus=-4.538
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.344 -5.864 -1.405
T123=10.8 11.3 14.3
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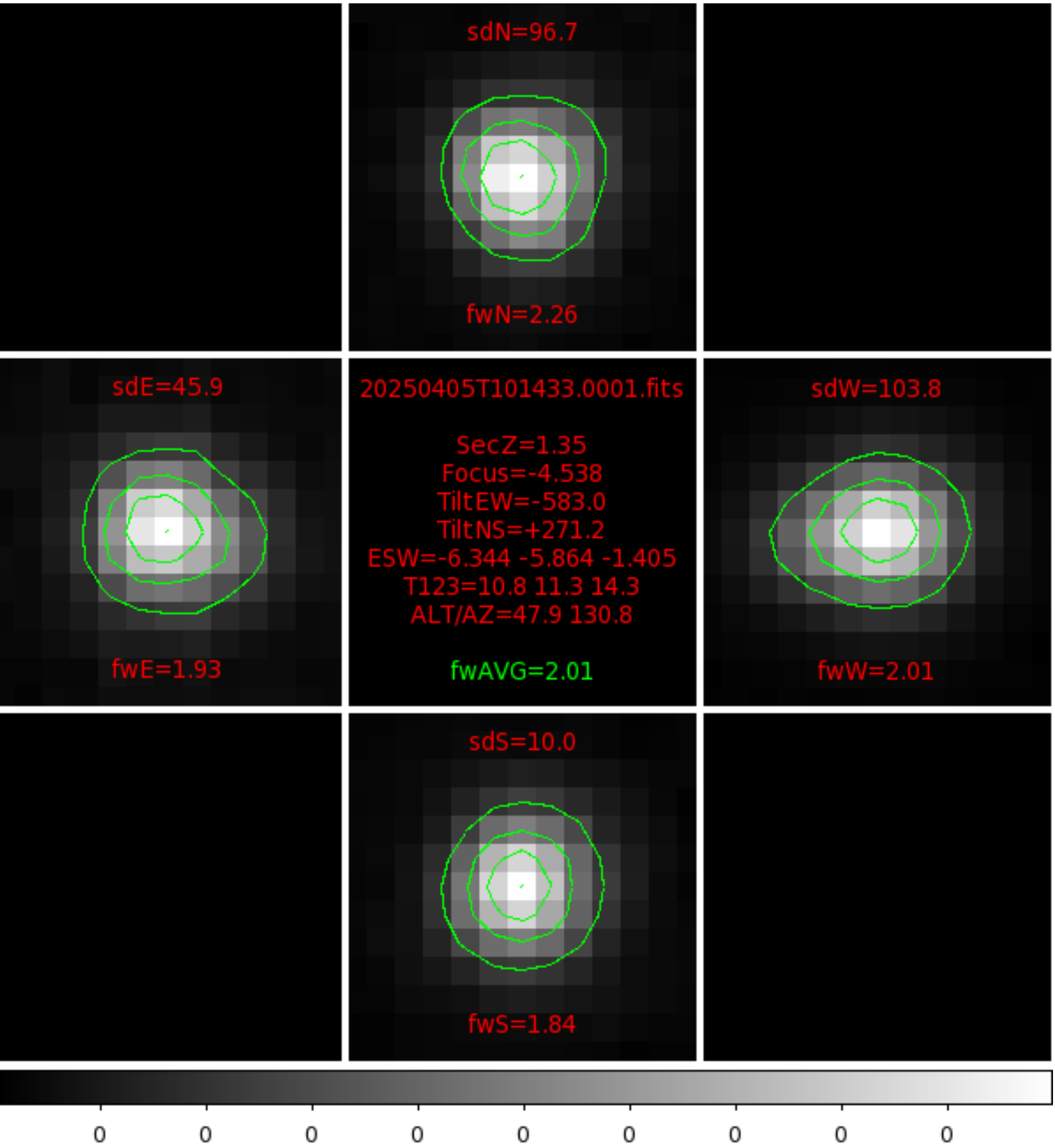
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sdE=45.9
fwE=1.93
20250405T101433.0001.fits
SecZ=1.35
Focus=-4.538
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.344 -5.864 -1.405
T123=10.8 11.3 14.3
ALT/AZ=47.9 130.8
fwAVG=2.01
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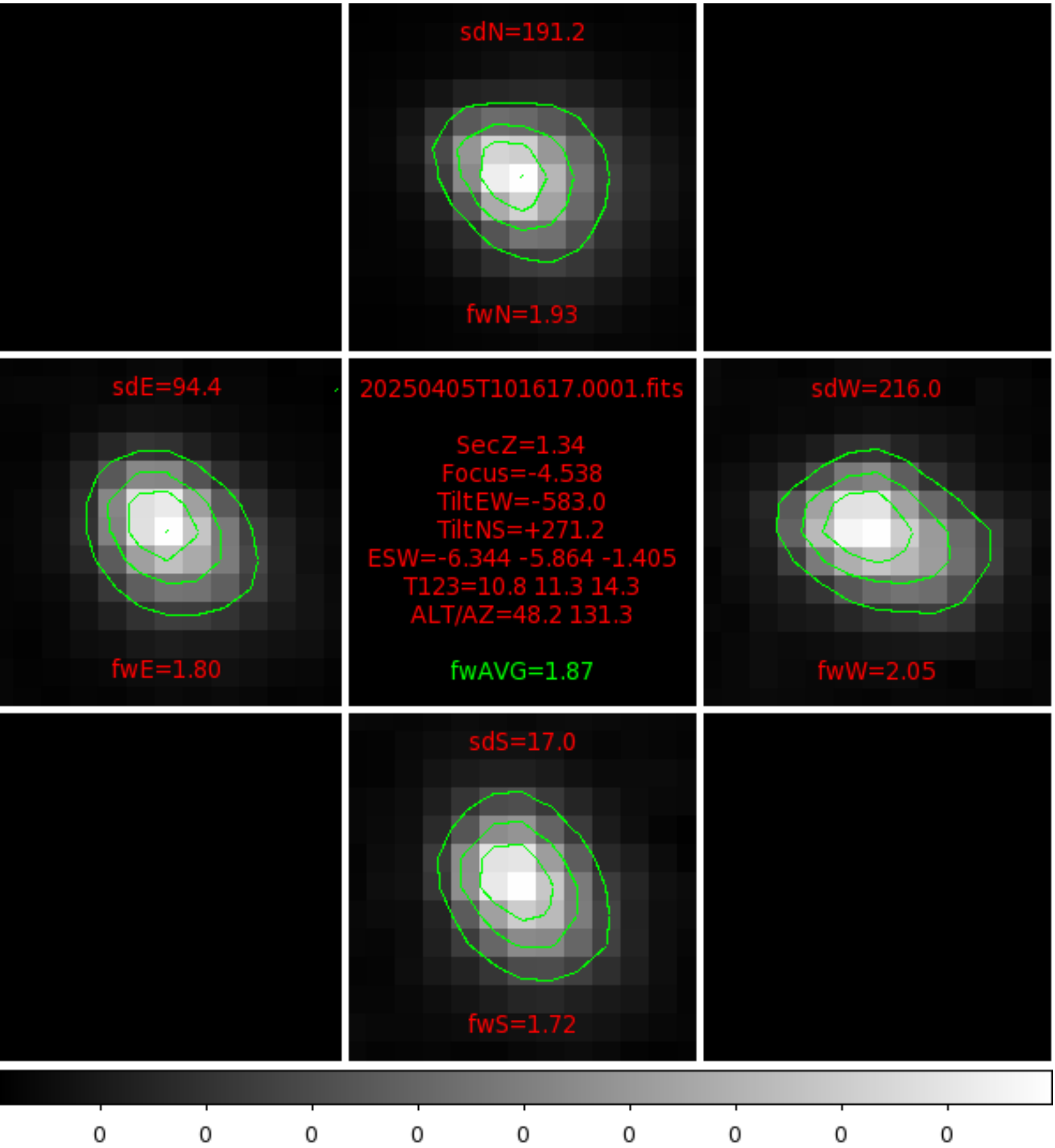
sdN=191.2
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fwE=1.80
20250405T101617.0001.fits
SecZ=1.34
Focus=-4.538
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.344 -5.864 -1.405
T123=10.8 11.3 14.3
ALT/AZ=48.2 131.3
fwAVG=1.87
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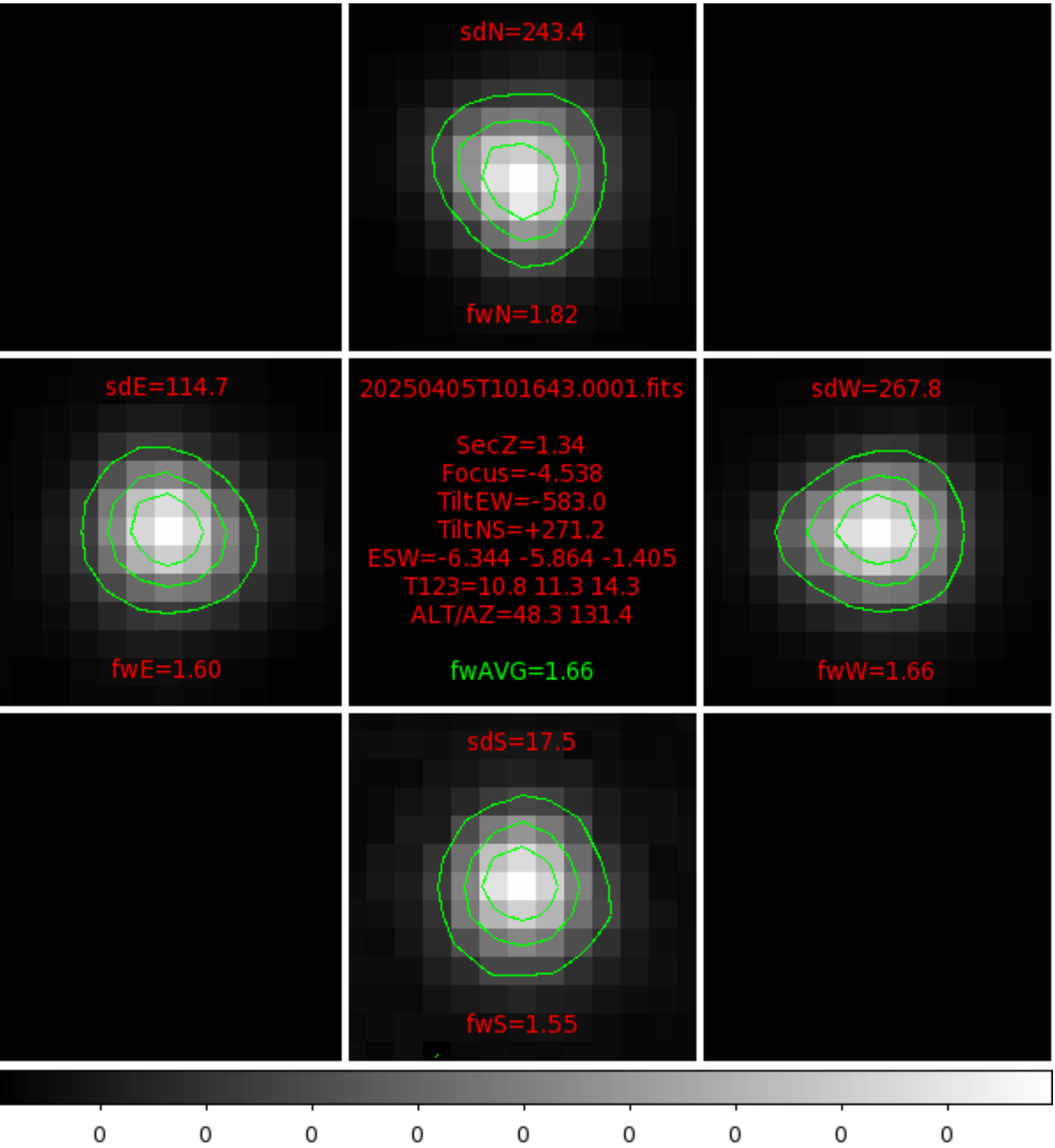
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SecZ=1.34
Focus=-4.538
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.344 -5.864 -1.405
T123=10.8 11.3 14.3
ALT/AZ=48.3 131.4
fwAVG=1.66
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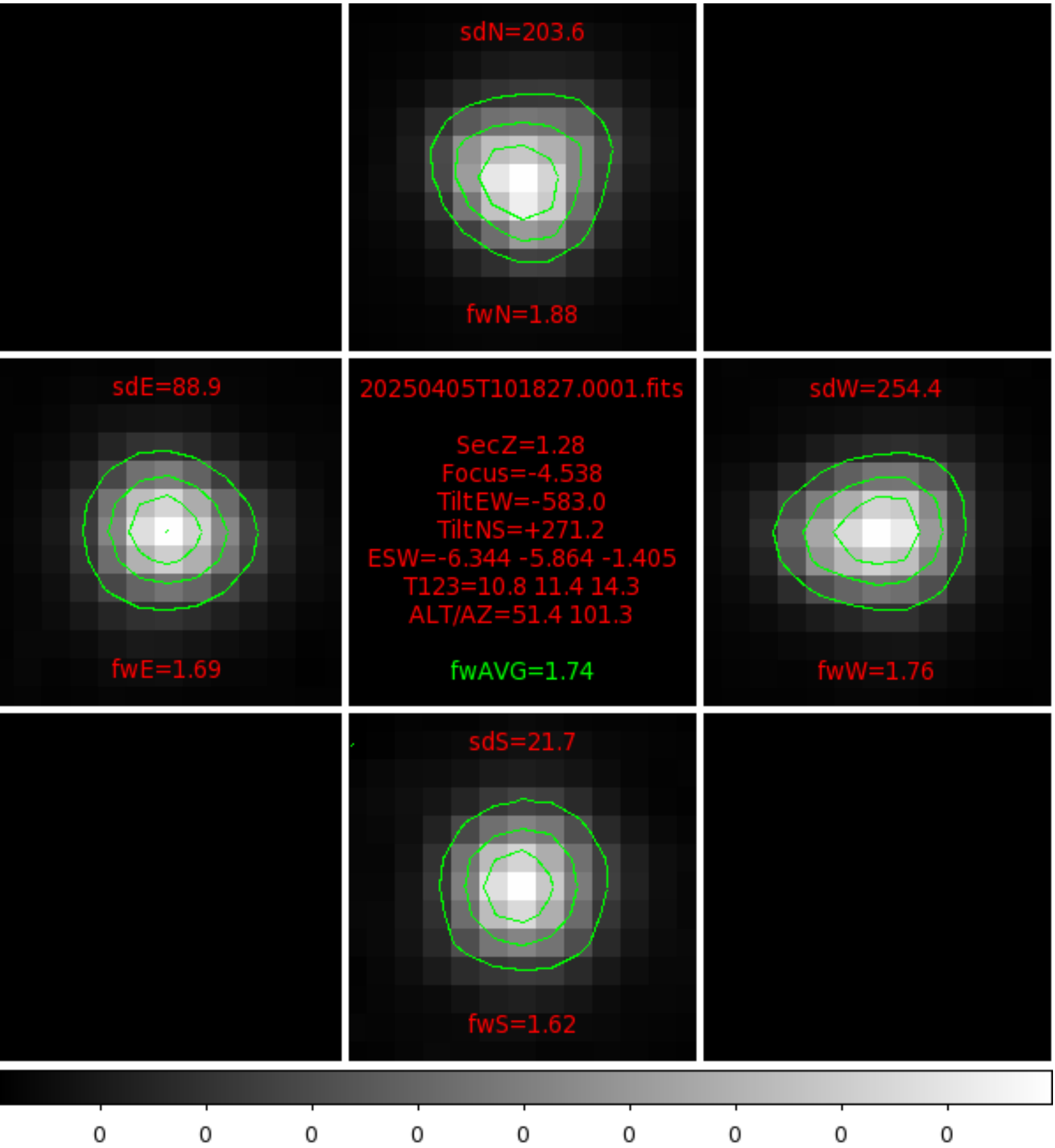
sdN=203.6
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sdE=88.9
fwE=1.69
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SecZ=1.28
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.344 -5.864 -1.405
T123=10.8 11.4 14.3
ALT/AZ=51.4 101.3
fwAVG=1.74
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sdS=21.7
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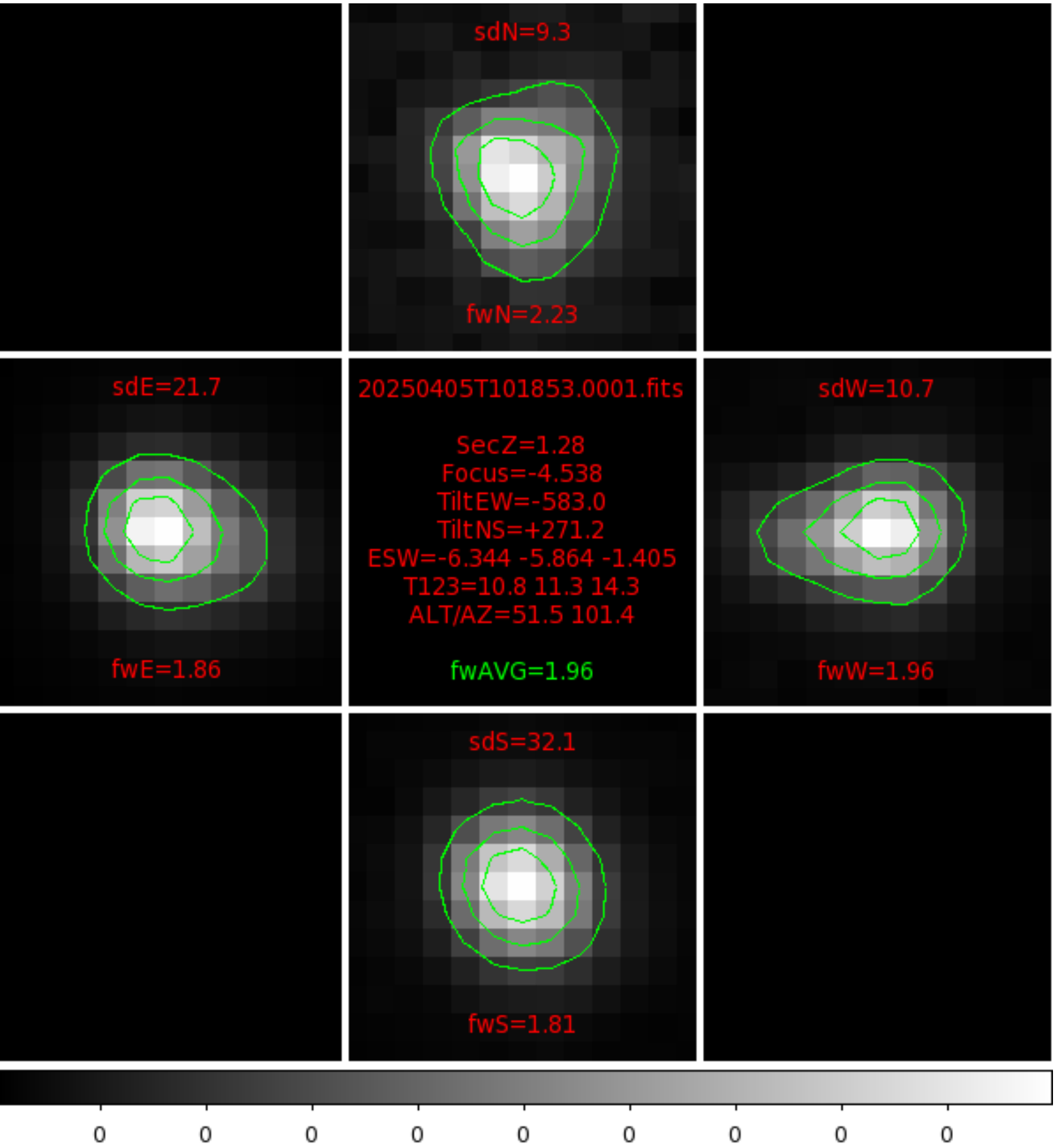
sdN=9.3
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sdE=21.7
fwE=1.86
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SecZ=1.28
Focus=-4.538
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.344 -5.864 -1.405
T123=10.8 11.3 14.3
ALT/AZ=51.5 101.4
fwAVG=1.96
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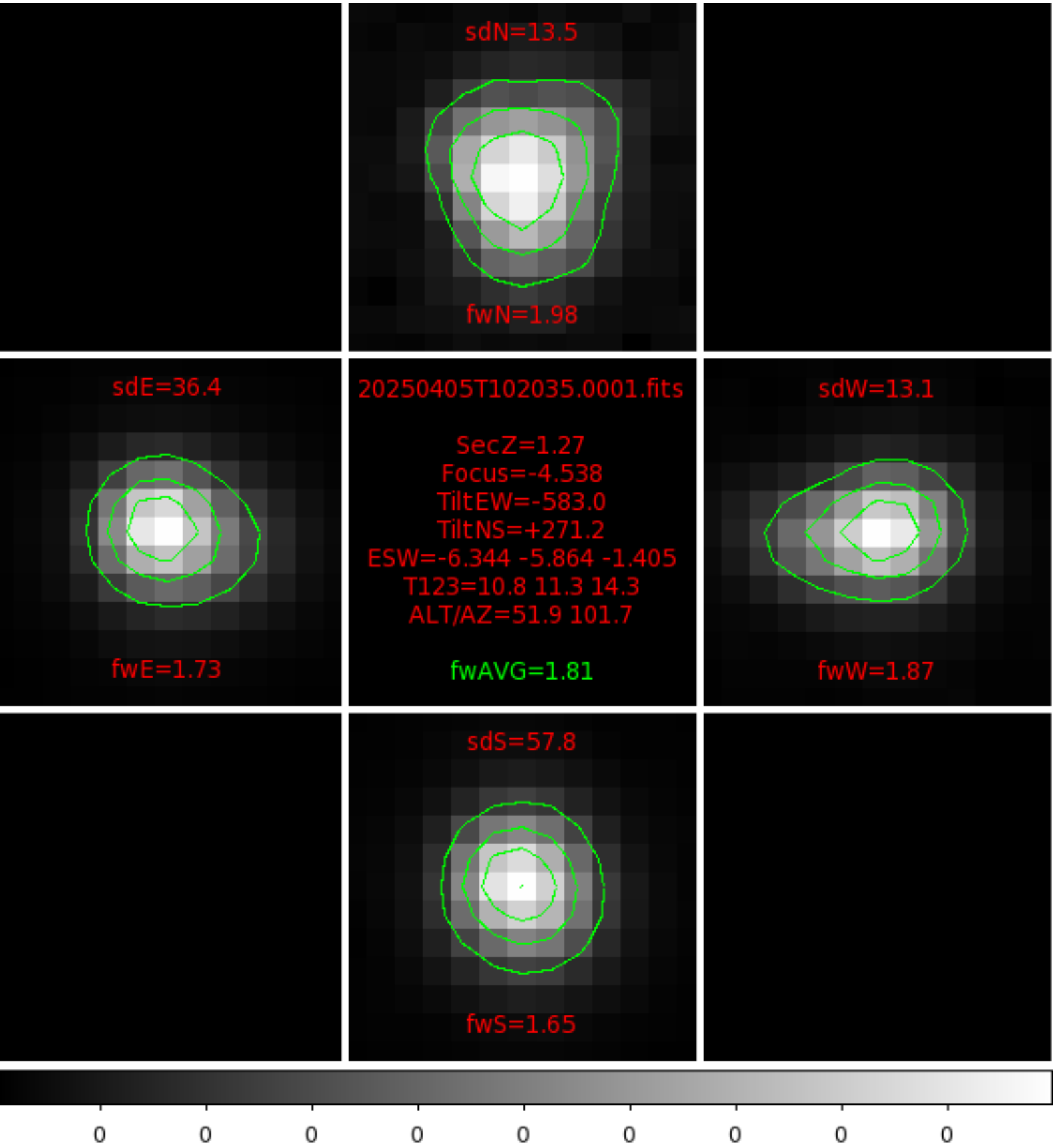
sdN=13.5
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sdE=36.4
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Focus=-4.538
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.344 -5.864 -1.405
T123=10.8 11.3 14.3
ALT/AZ=51.9 101.7
fwAVG=1.81
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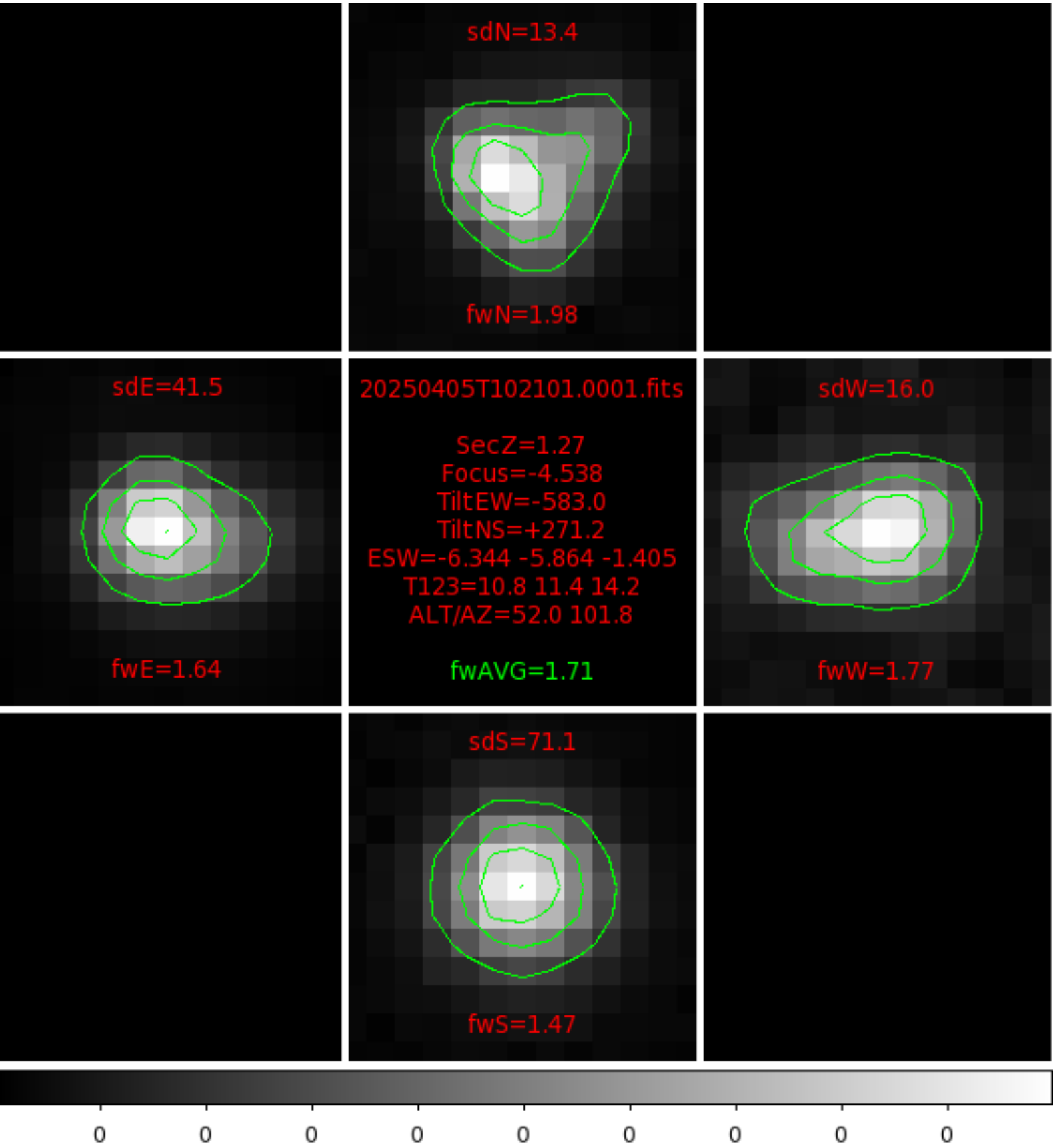
sdN=13.4
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sdE=41.5
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SecZ=1.27
Focus=-4.538
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.344 -5.864 -1.405
T123=10.8 11.4 14.2
ALT/AZ=52.0 101.8
fwAVG=1.71
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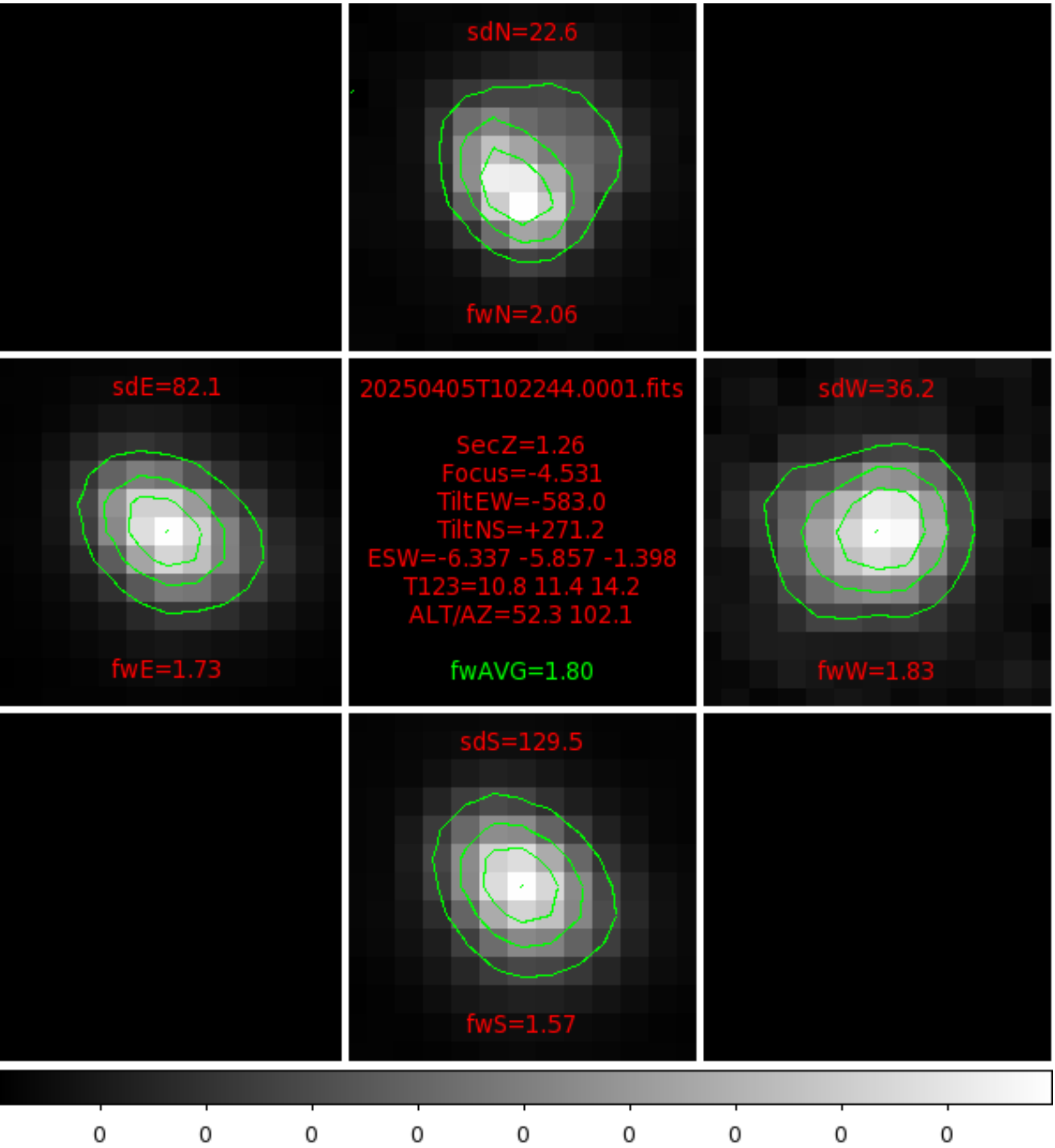
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sdE=82.1
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SecZ=1.26
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.337 -5.857 -1.398
T123=10.8 11.4 14.2
ALT/AZ=52.3 102.1
fwAVG=1.80
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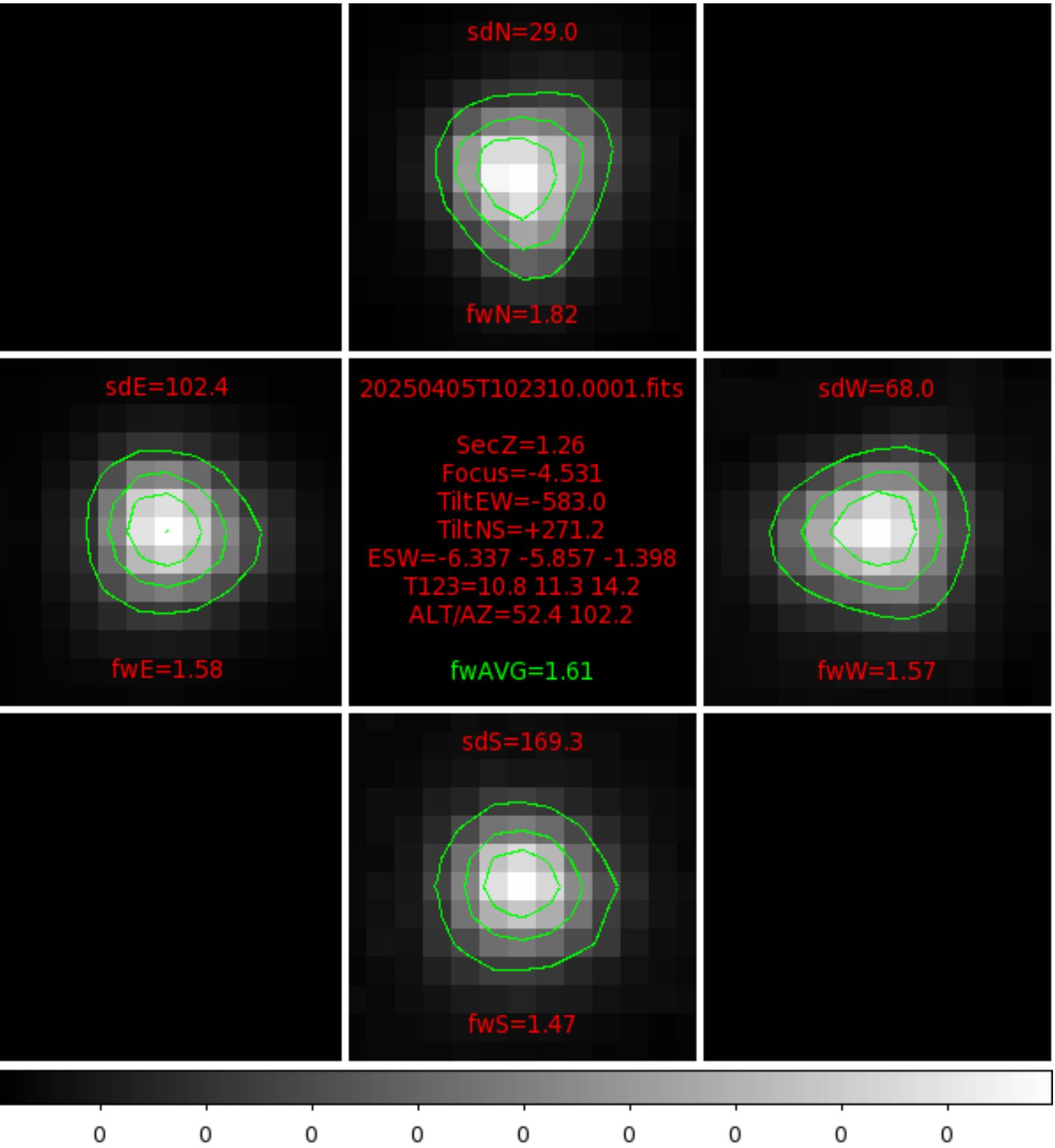
sdN=29.0
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fwE=1.58
20250405T102310.0001.fits
SecZ=1.26
Focus=-4.531
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.337 -5.857 -1.398
T123=10.8 11.3 14.2
ALT/AZ=52.4 102.2
fwAVG=1.61
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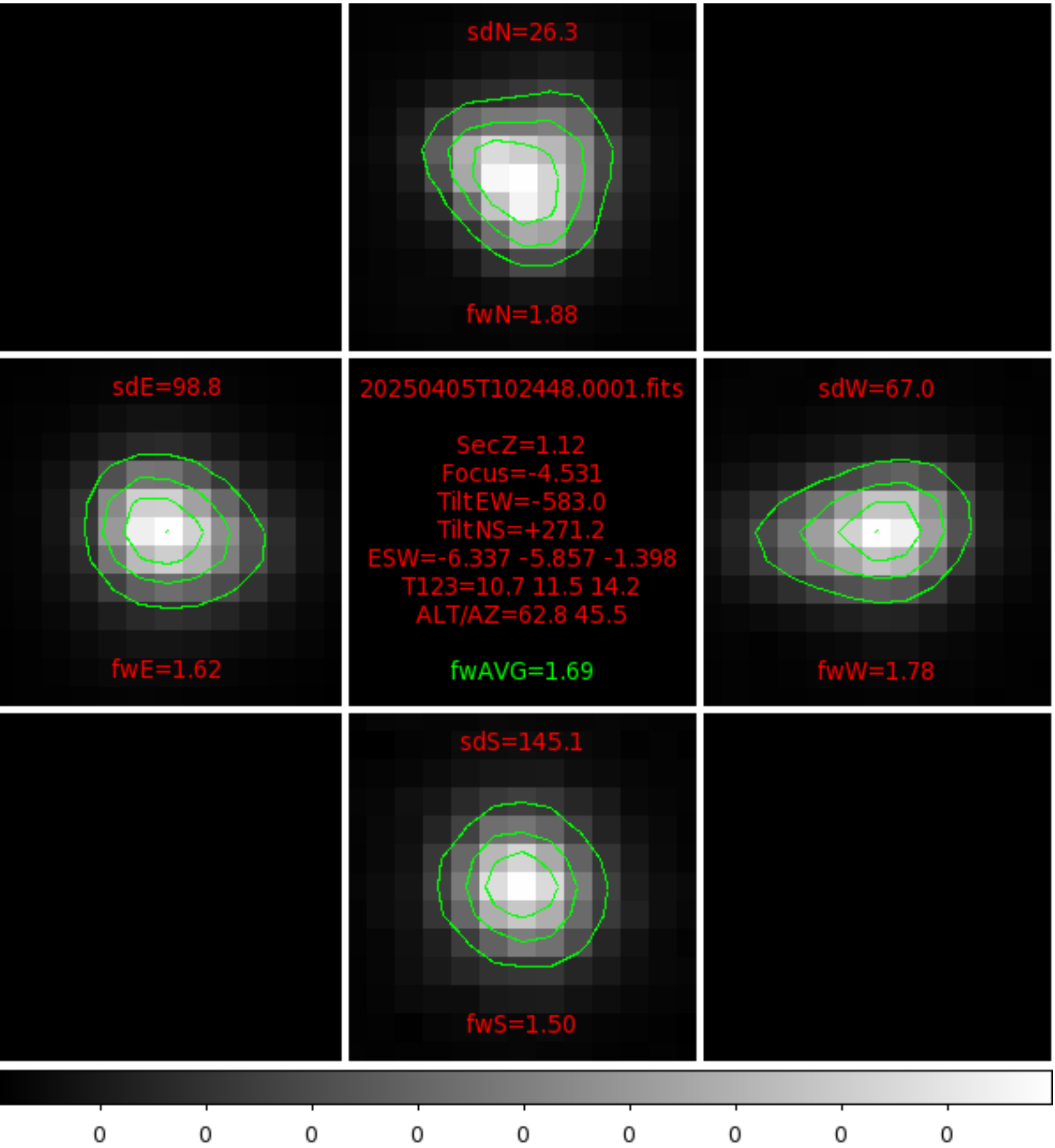
sdN=26.3
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sdE=98.8
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20250405T102448.0001.fits
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TiltNS=+271.2
ESW=-6.337 -5.857 -1.398
T123=10.7 11.5 14.2
ALT/AZ=62.8 45.5
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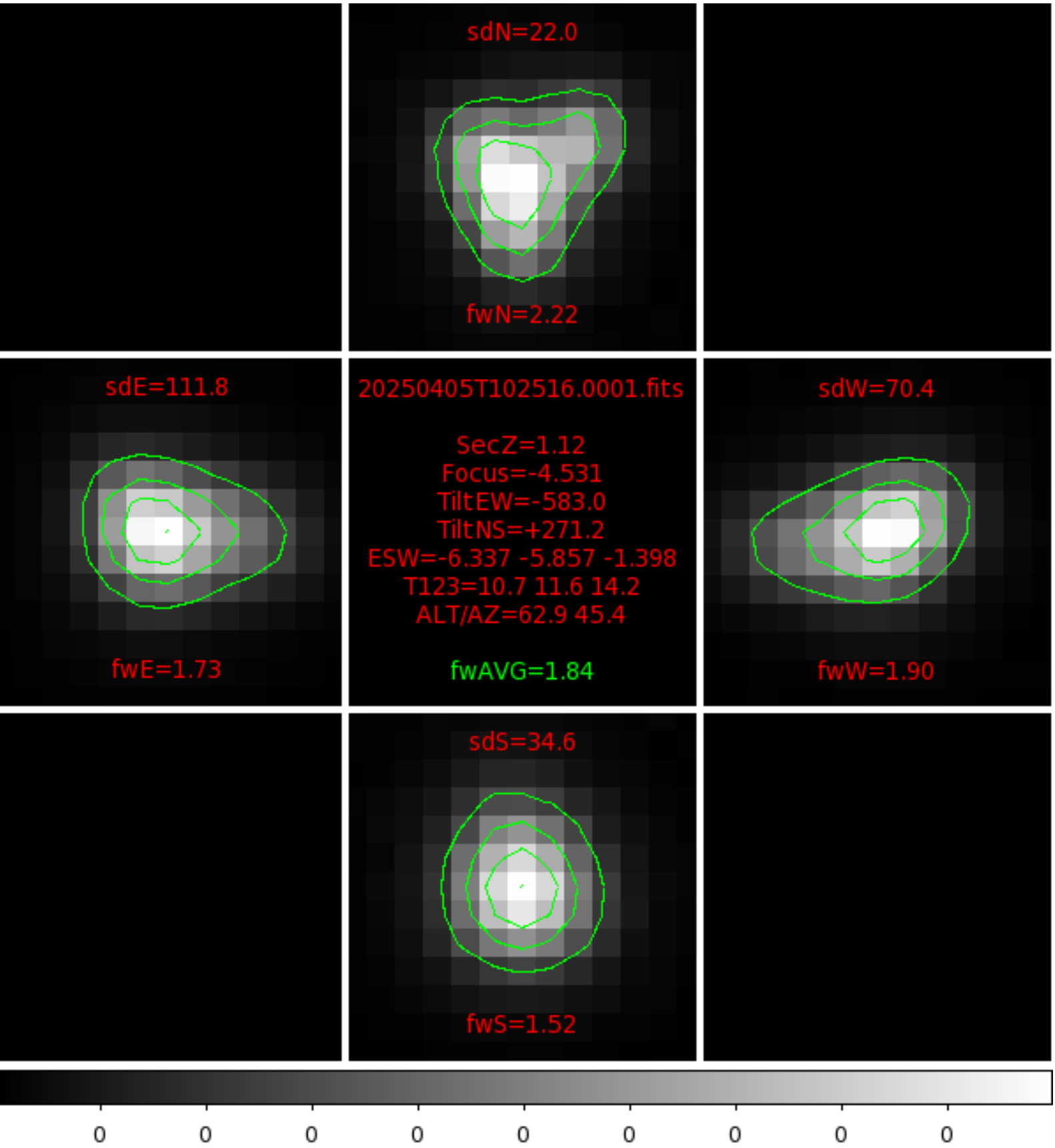
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20250405T102516.0001.fits
SecZ=1.12
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.337 -5.857 -1.398
T123=10.7 11.6 14.2
ALT/AZ=62.9 45.4
fwAVG=1.84
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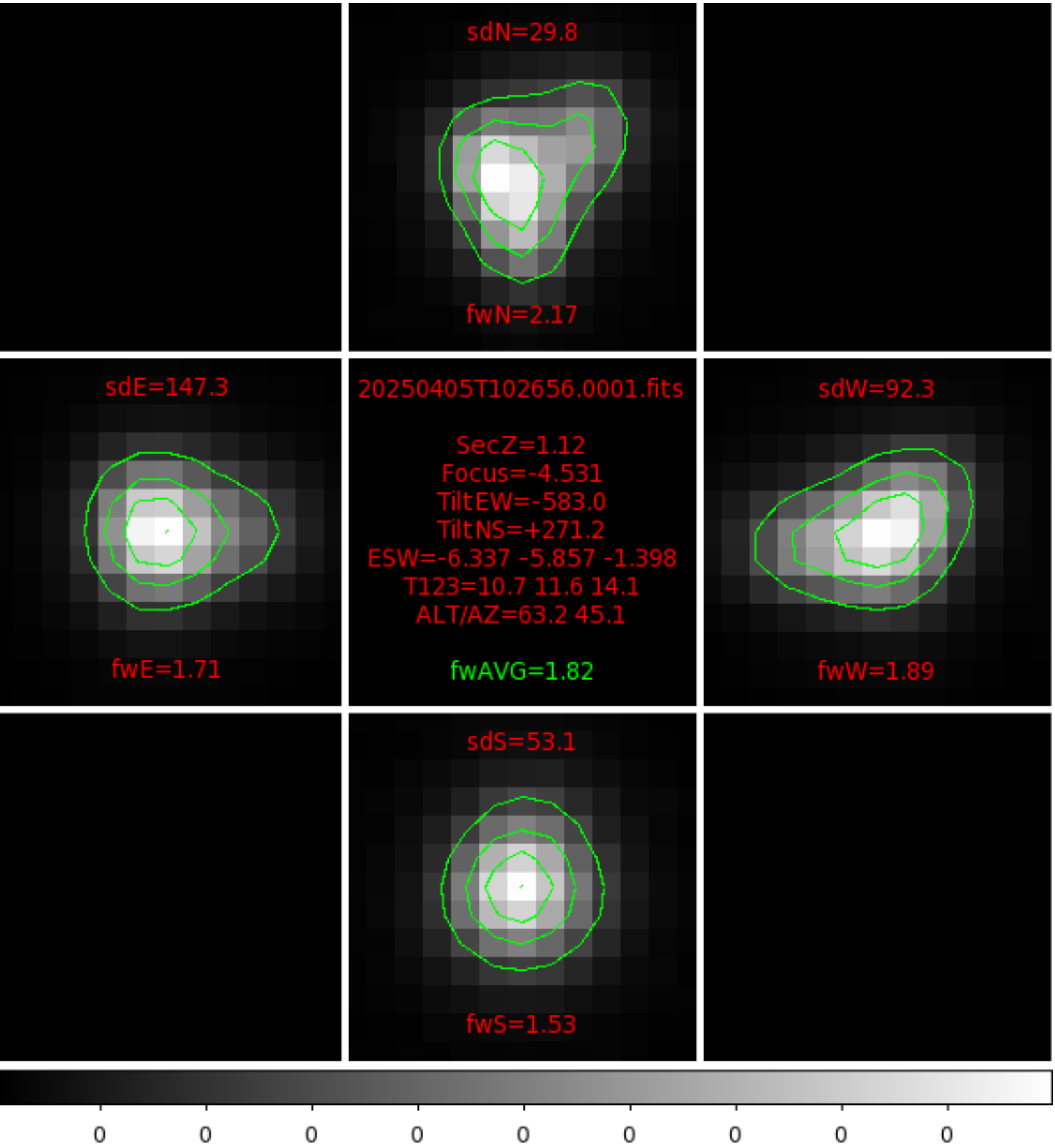
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fwE=1.71
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SecZ=1.12
Focus=-4.531
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.337 -5.857 -1.398
T123=10.7 11.6 14.1
ALT/AZ=63.2 45.1
fwAVG=1.82
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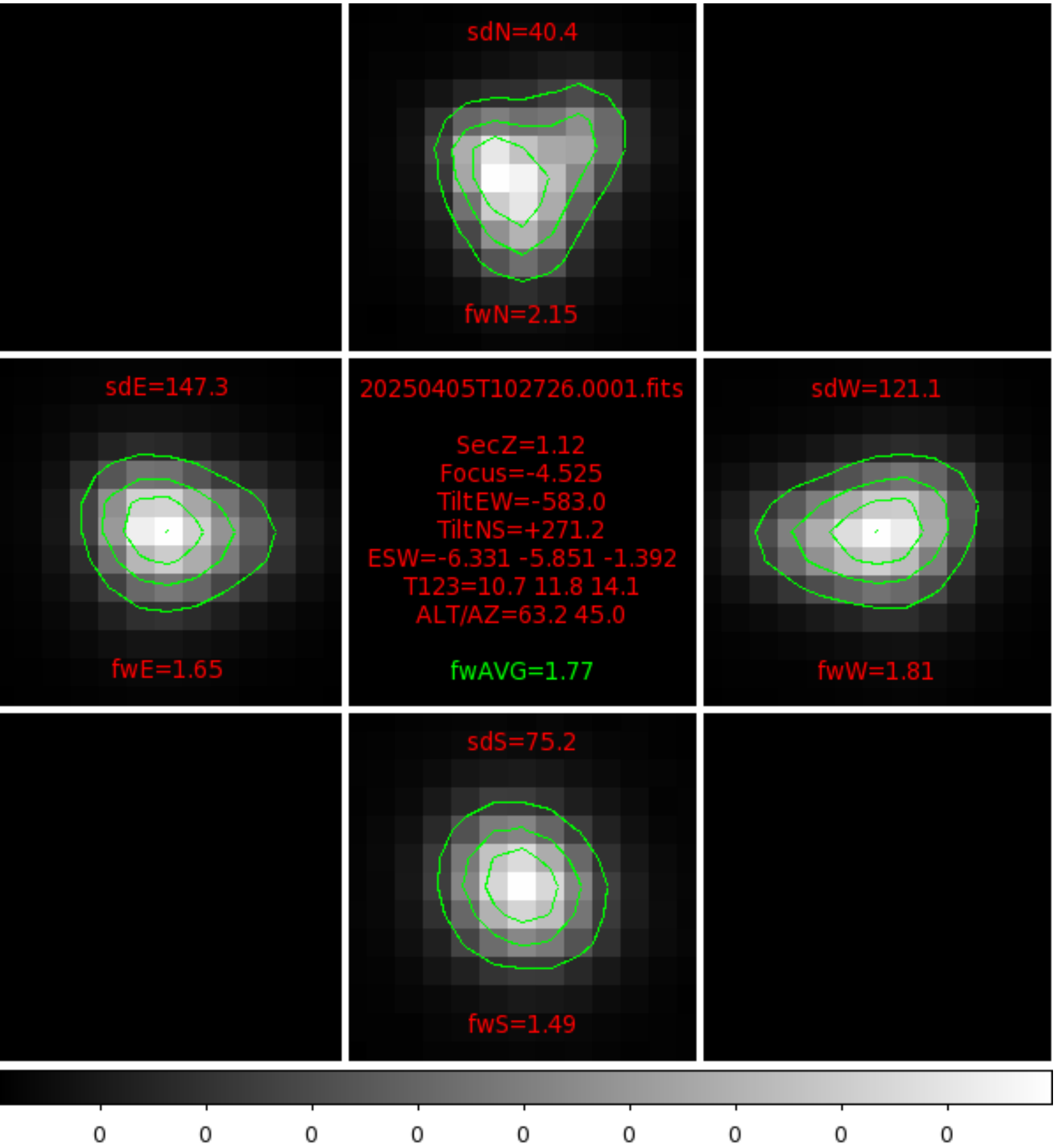
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SecZ=1.12
Focus=-4.525
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.331 -5.851 -1.392
T123=10.7 11.8 14.1
ALT/AZ=63.2 45.0
fwAVG=1.77
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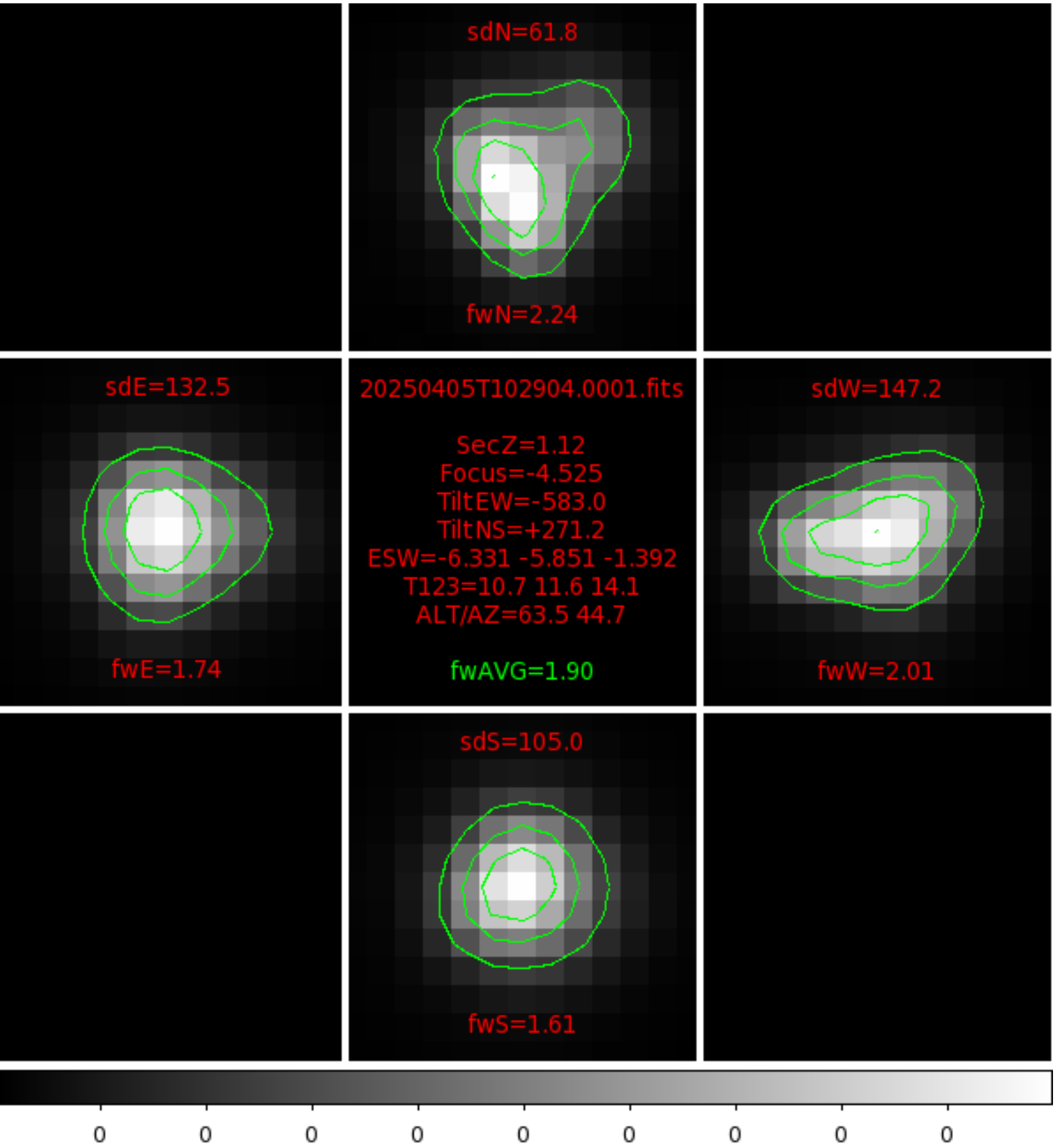
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.331 -5.851 -1.392
T123=10.7 11.6 14.1
ALT/AZ=63.5 44.7
fwAVG=1.90
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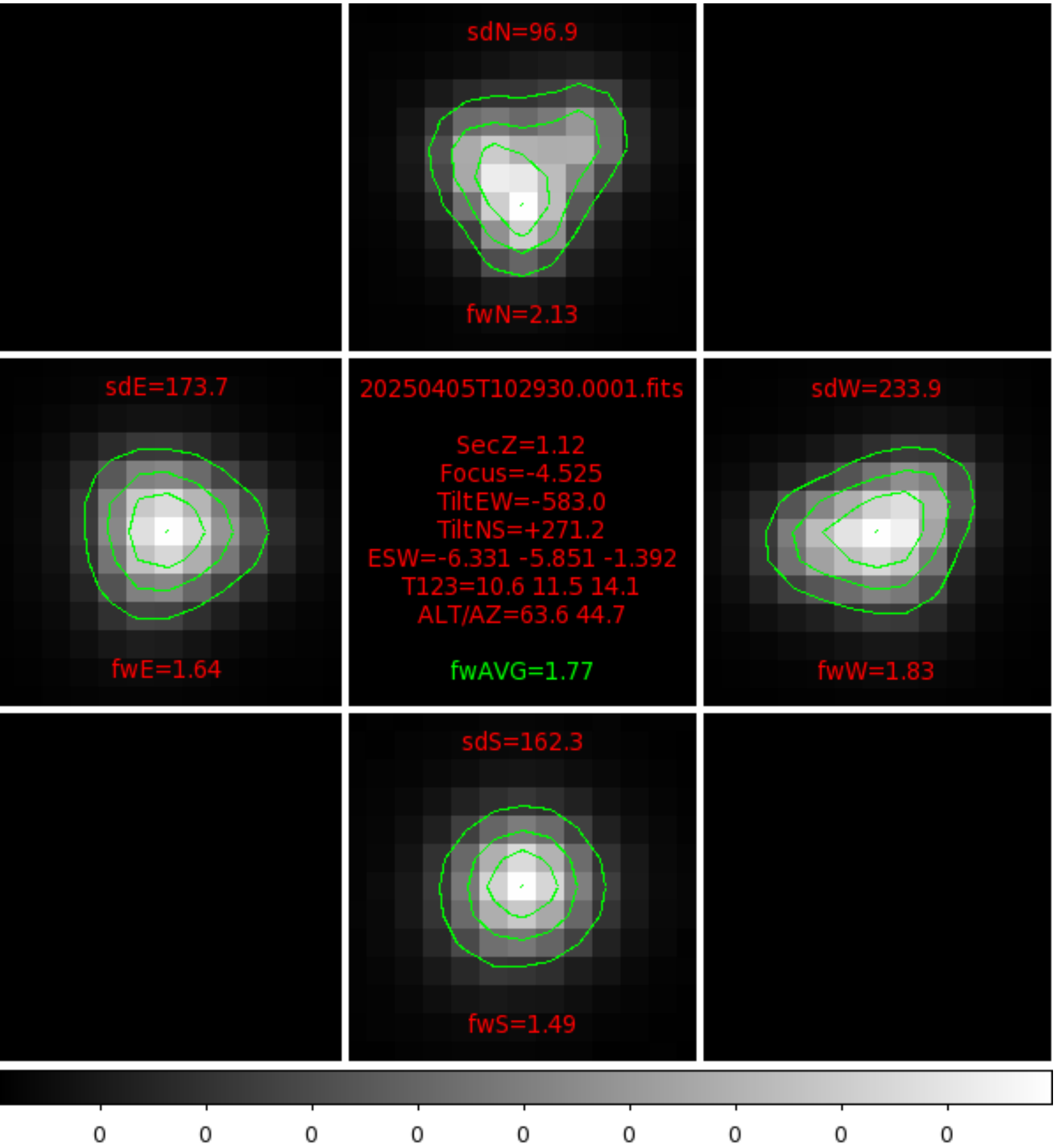
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fwN=2.13
sdE=173.7
fwE=1.64
20250405T102930.0001.fits
SecZ=1.12
Focus=-4.525
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TiltNS=+271.2
ESW=-6.331 -5.851 -1.392
T123=10.6 11.5 14.1
ALT/AZ=63.6 44.7
fwAVG=1.77
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fwW=1.83
sdS=162.3
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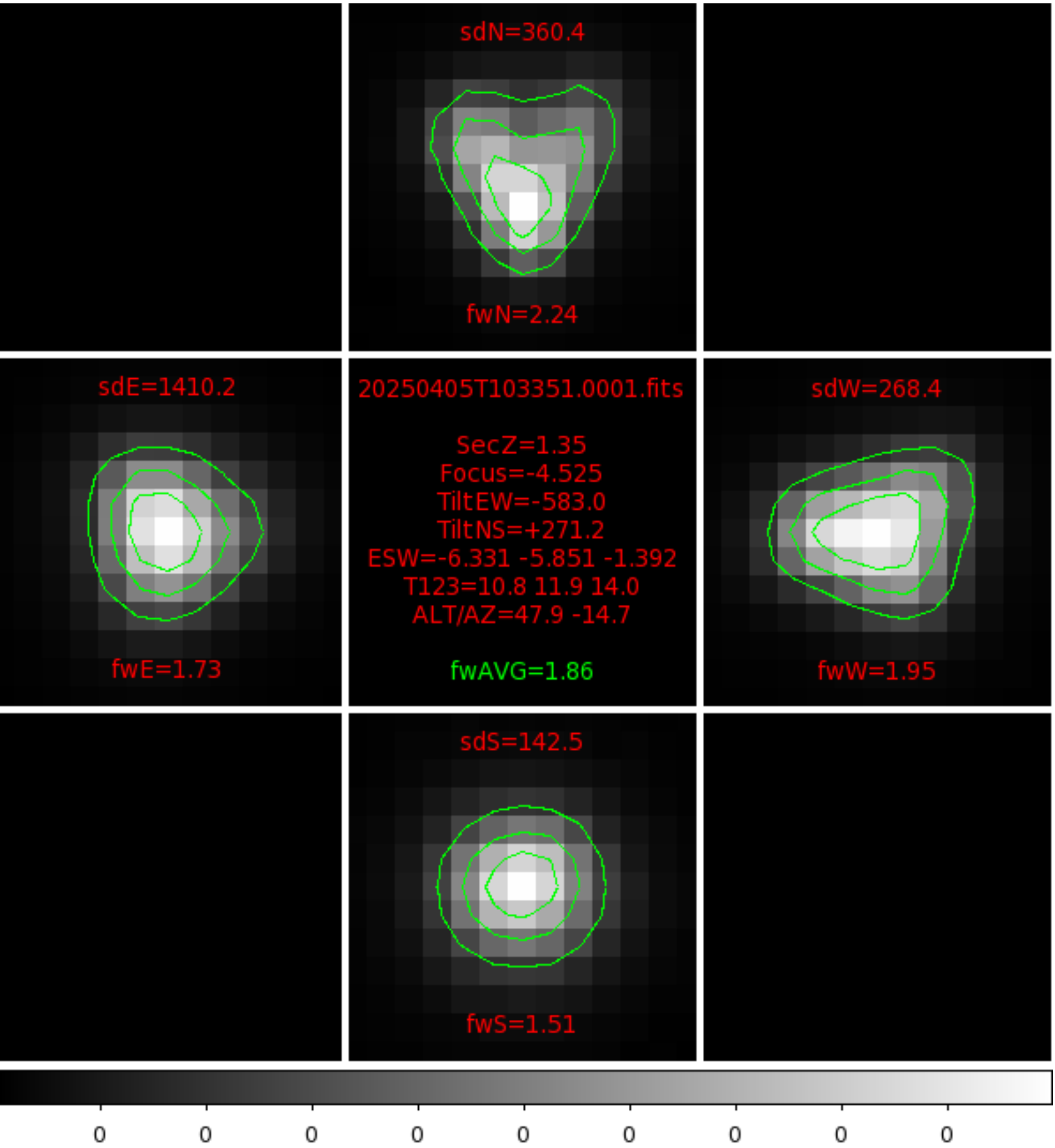
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.331 -5.851 -1.392
T123=10.8 11.9 14.0
ALT/AZ=47.9 -14.7
fwAVG=1.86
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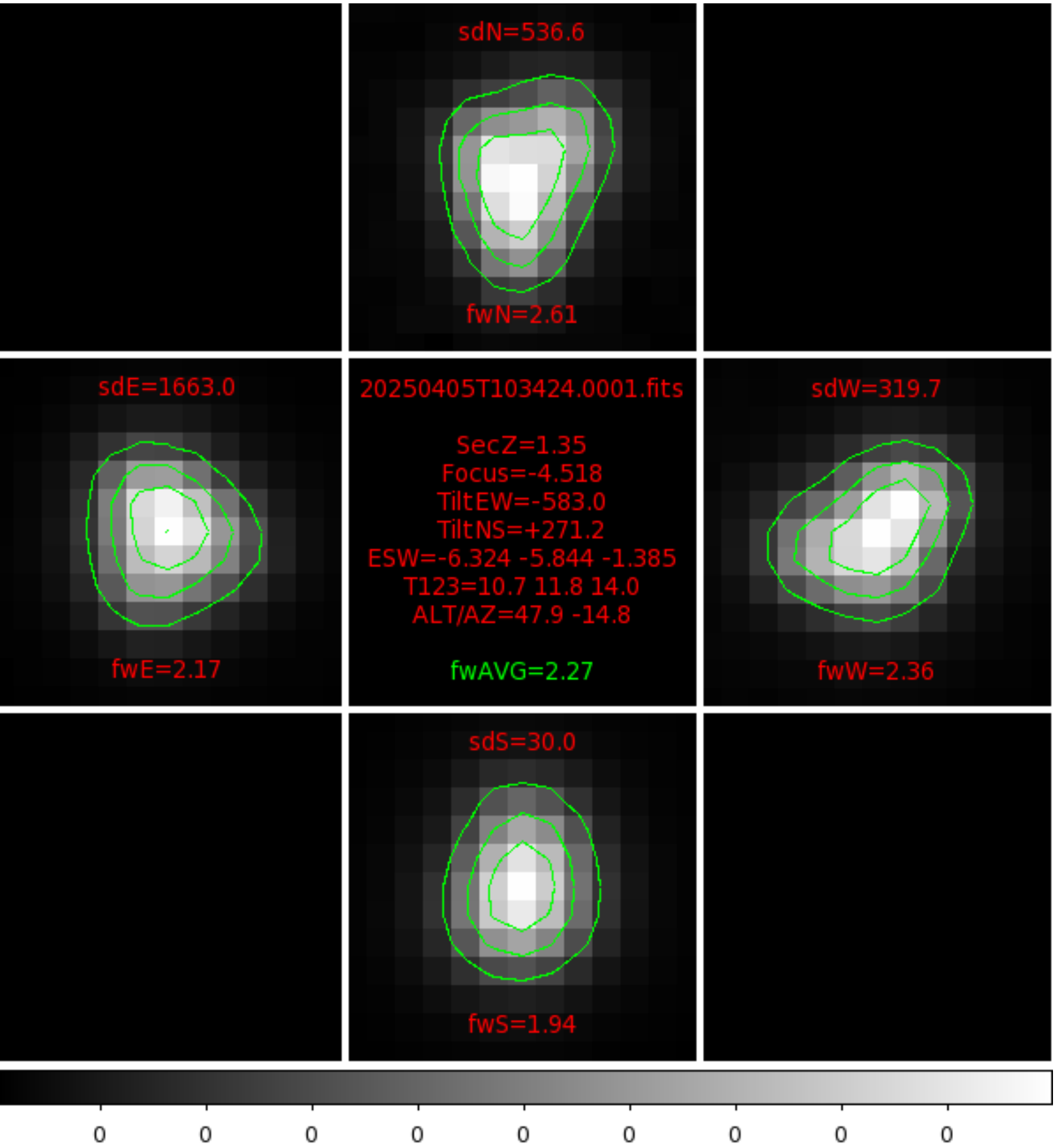
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SecZ=1.35
Focus=-4.518
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.324 -5.844 -1.385
T123=10.7 11.8 14.0
ALT/AZ=47.9 -14.8
fwAVG=2.27
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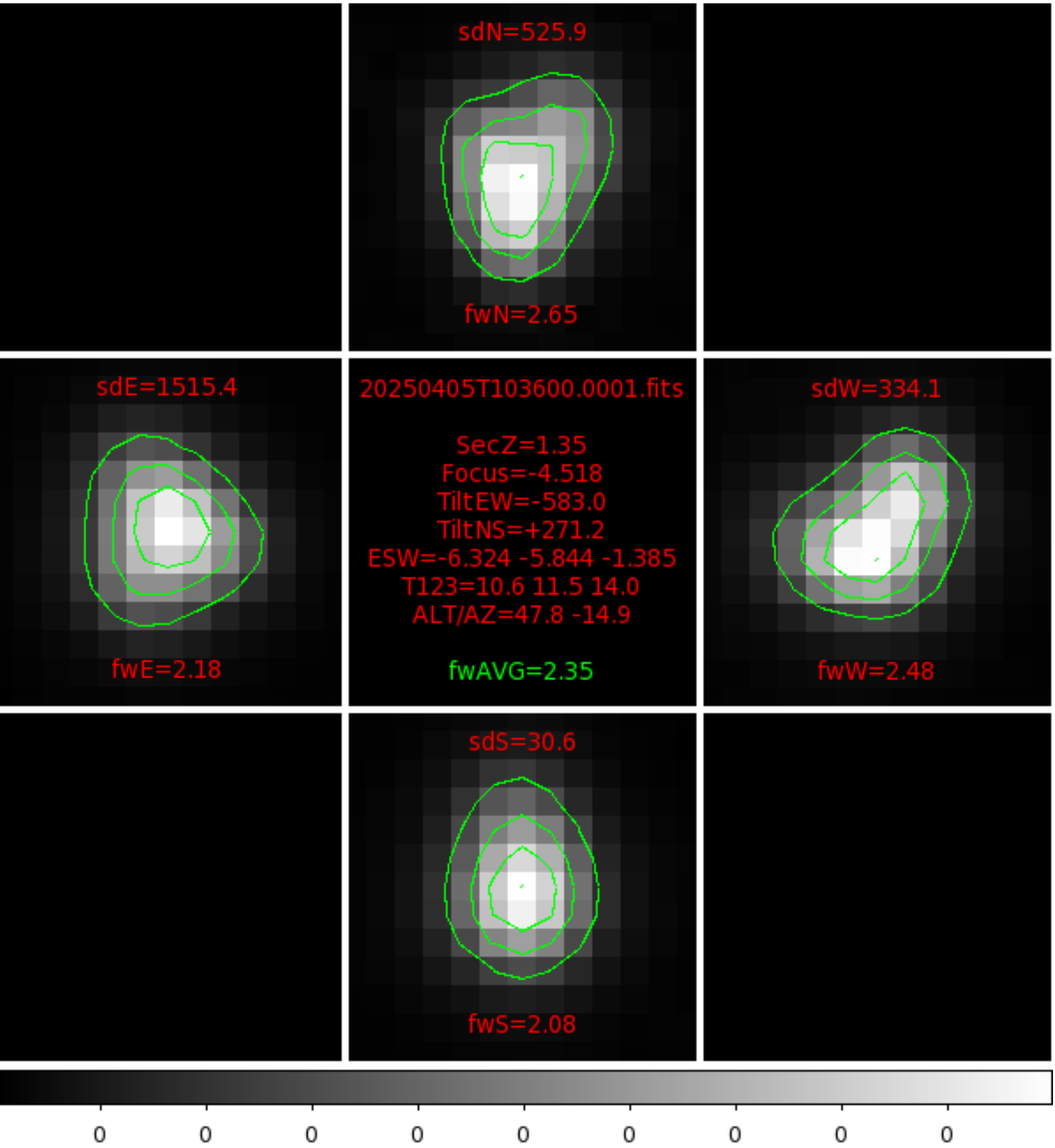
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sdE=1515.4
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SecZ=1.35
Focus=-4.518
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.324 -5.844 -1.385
T123=10.6 11.5 14.0
ALT/AZ=47.8 -14.9
fwAVG=2.35
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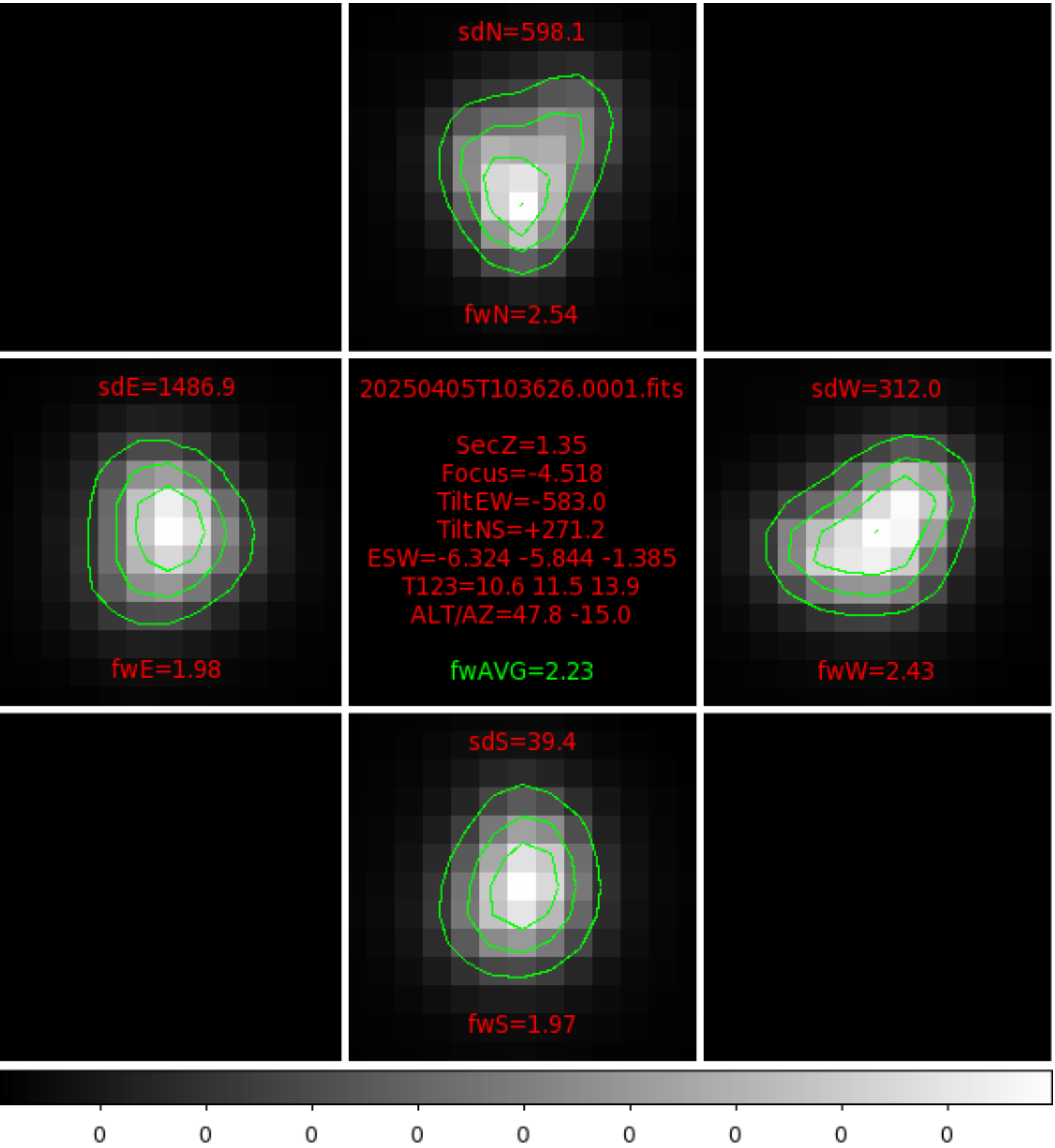
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fwE=1.98
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SecZ=1.35
Focus=-4.518
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.324 -5.844 -1.385
T123=10.6 11.5 13.9
ALT/AZ=47.8 -15.0
fwAVG=2.23
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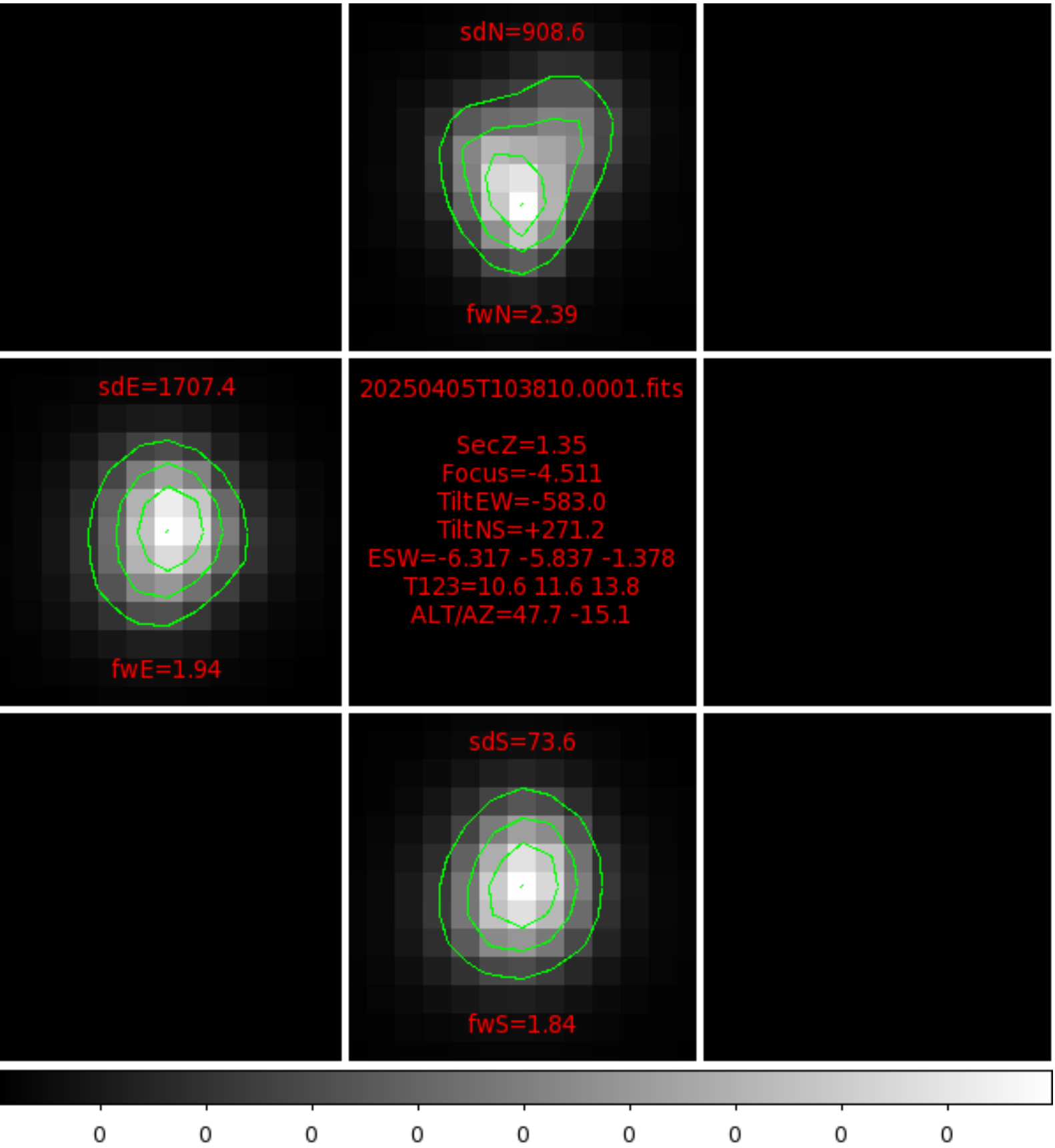
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sdE=1707.4
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20250405T103810.0001.fits
SecZ=1.35
Focus=-4.511
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.317 -5.837 -1.378
T123=10.6 11.6 13.8
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sdS=73.6
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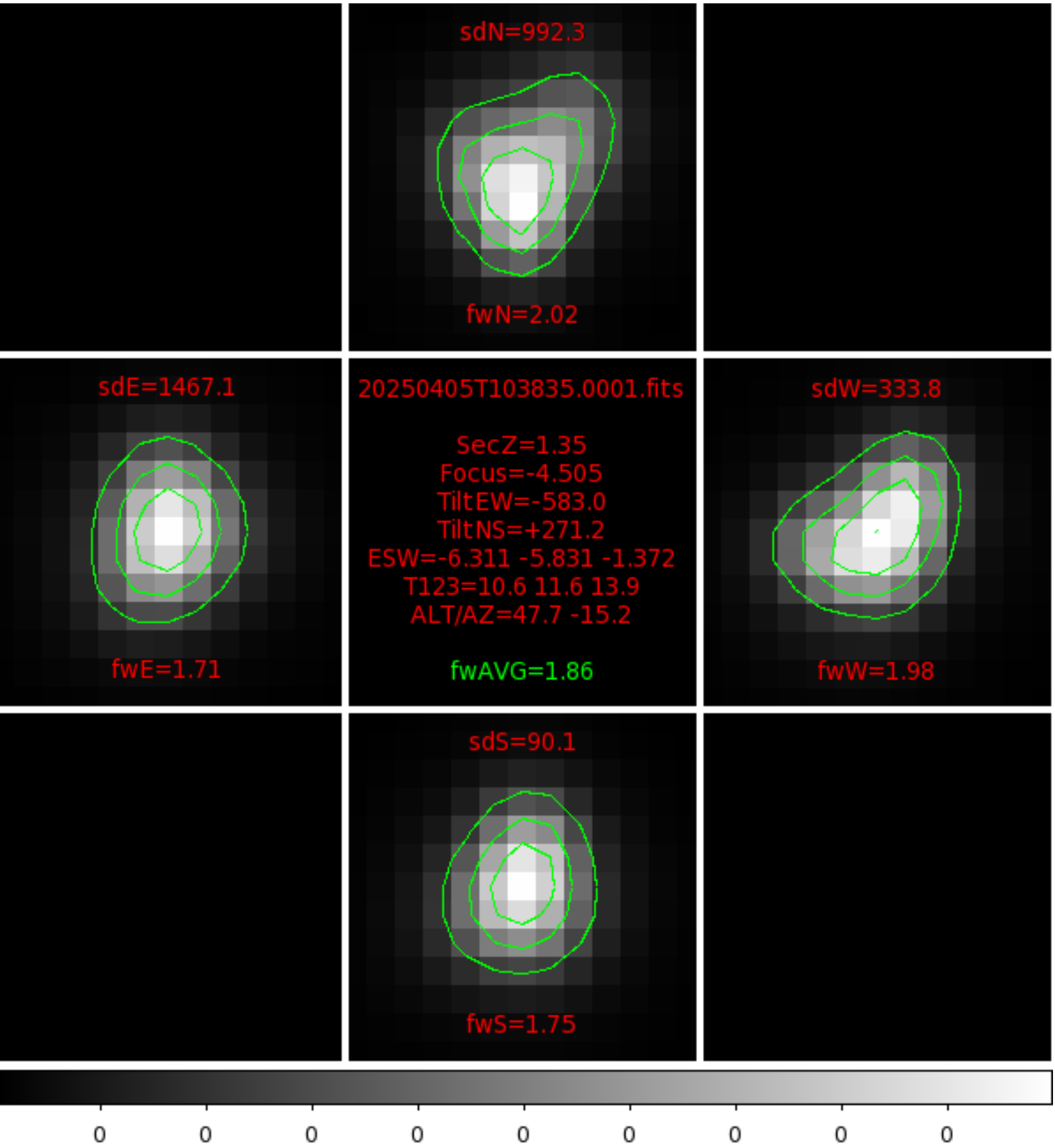
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SecZ=1.35
Focus=-4.505
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.311 -5.831 -1.372
T123=10.6 11.6 13.9
ALT/AZ=47.7 -15.2
fwAVG=1.86
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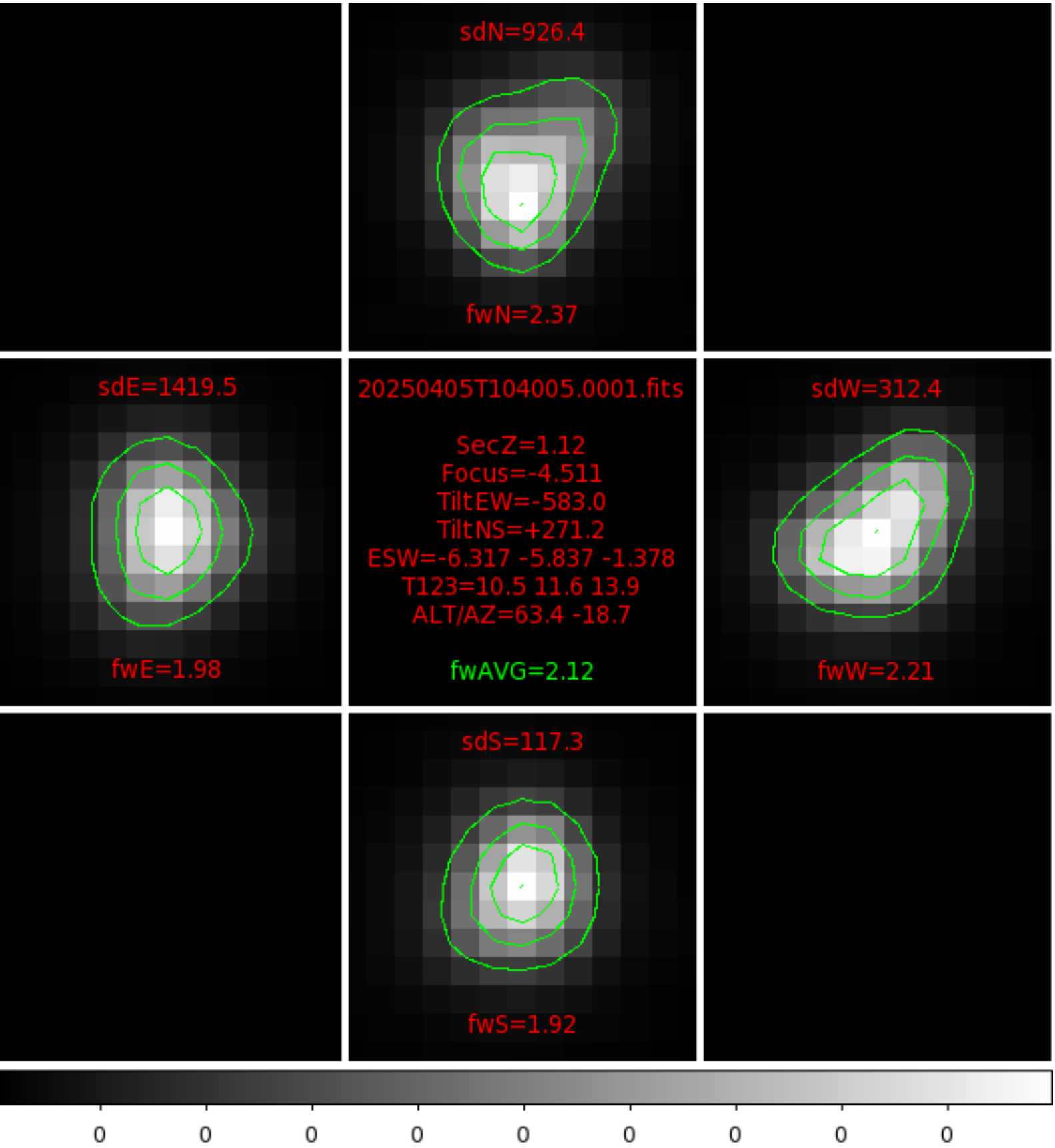
sdN=926.4
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sdE=1419.5
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SecZ=1.12
Focus=-4.511
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.317 -5.837 -1.378
T123=10.5 11.6 13.9
ALT/AZ=63.4 -18.7
fwAVG=2.12
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sdS=117.3
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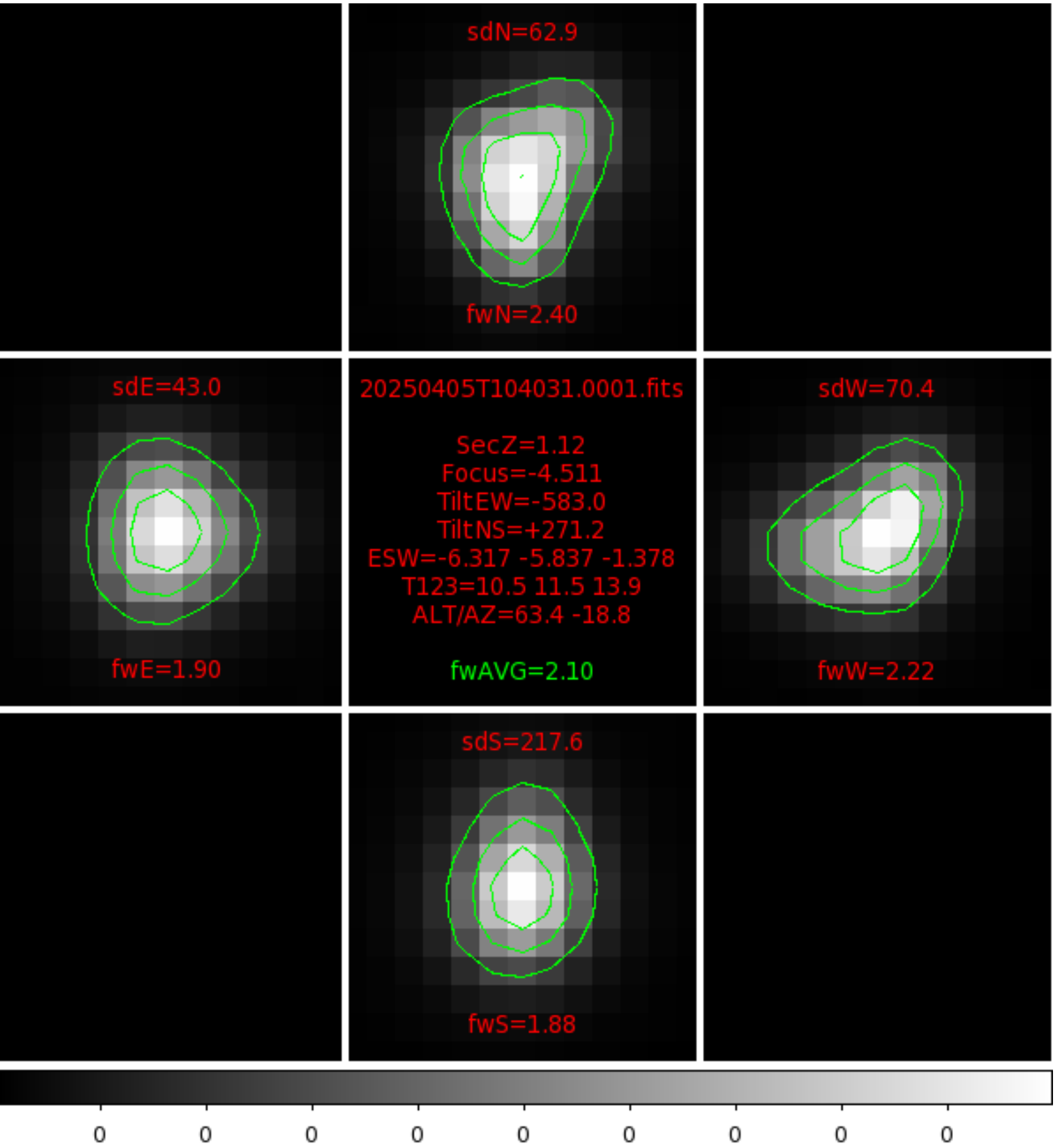
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SecZ=1.12
Focus=-4.511
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.317 -5.837 -1.378
T123=10.5 11.5 13.9
ALT/AZ=63.4 -18.8
fwAVG=2.10
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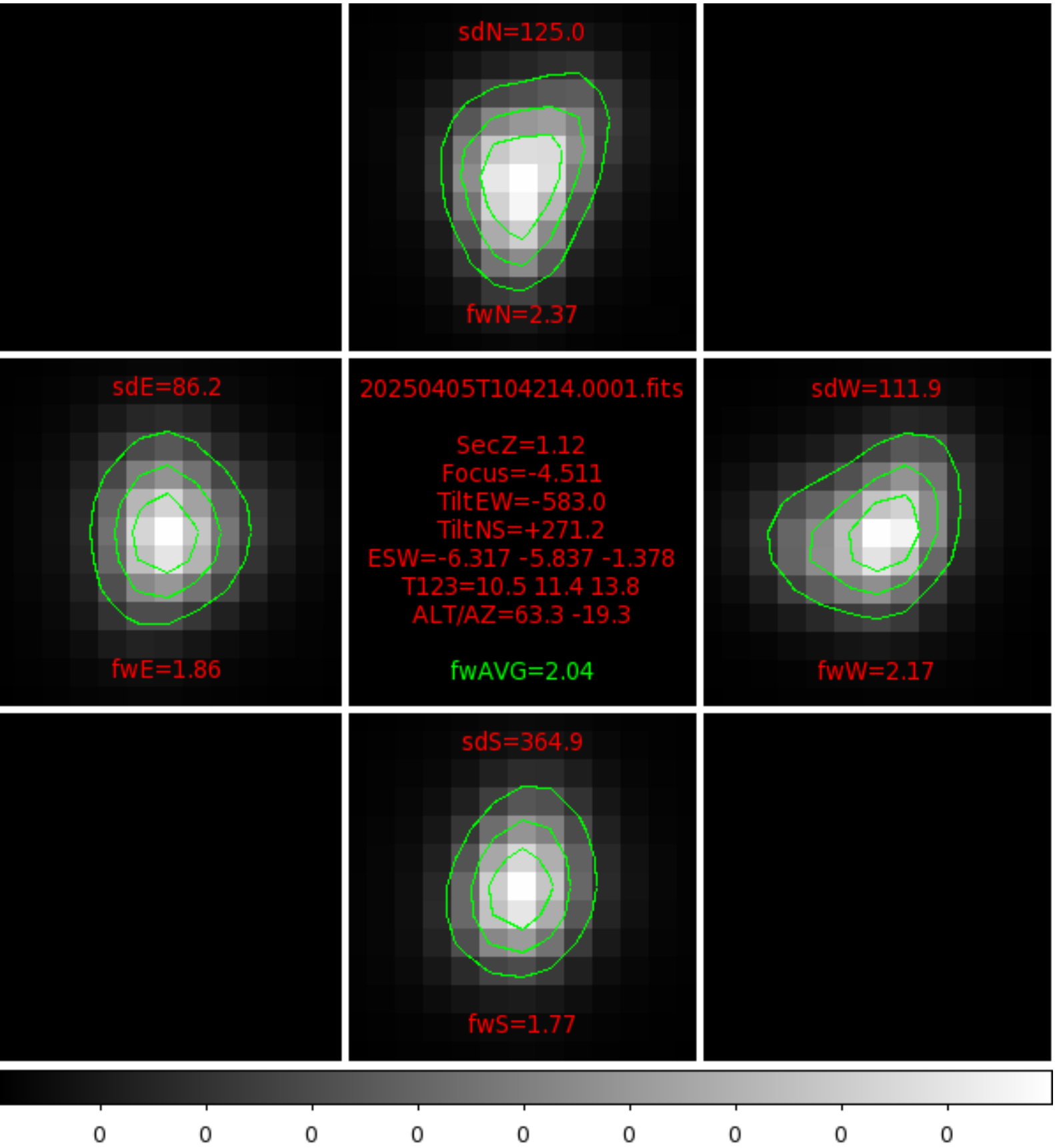
sdN=125.0
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fwE=1.86
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SecZ=1.12
Focus=-4.511
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.317 -5.837 -1.378
T123=10.5 11.4 13.8
ALT/AZ=63.3 -19.3
fwAVG=2.04
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sdS=364.9
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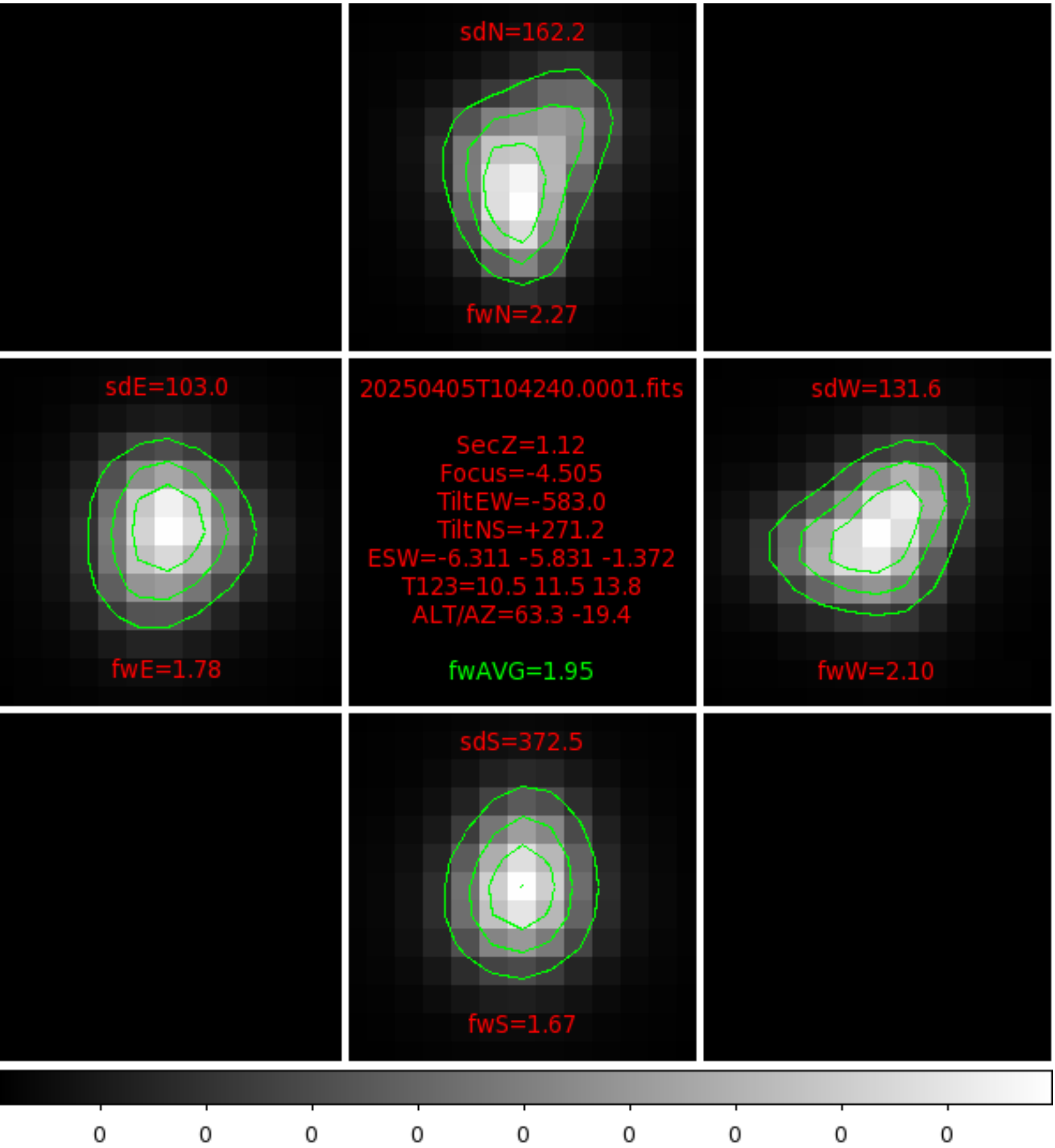
sdN=162.2
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sdE=103.0
fwE=1.78
20250405T104240.0001.fits
SecZ=1.12
Focus=-4.505
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.311 -5.831 -1.372
T123=10.5 11.5 13.8
ALT/AZ=63.3 -19.4
fwAVG=1.95
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sdS=372.5
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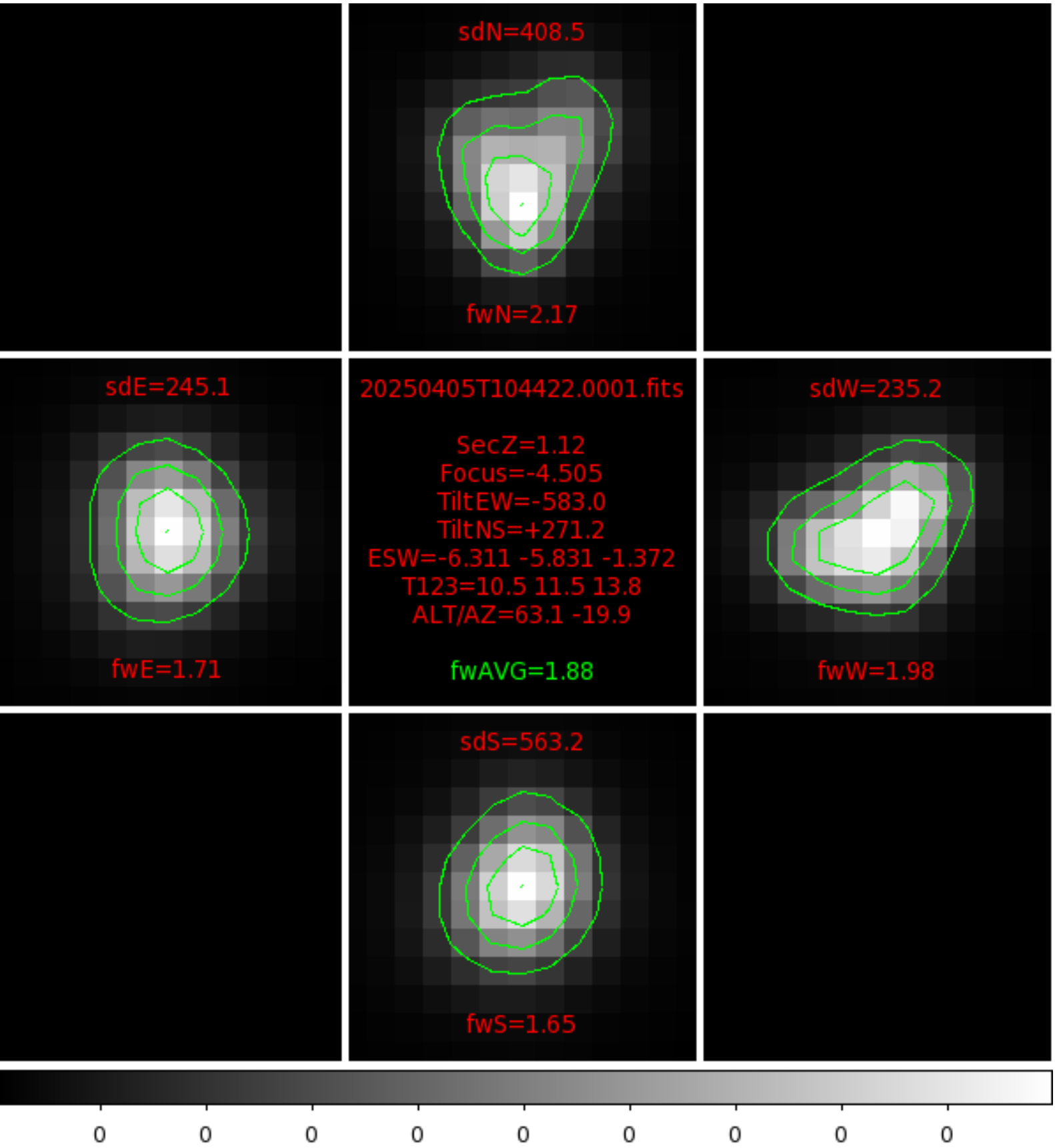
sdN=408.5
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sdE=245.1
fwE=1.71
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SecZ=1.12
Focus=-4.505
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.311 -5.831 -1.372
T123=10.5 11.5 13.8
ALT/AZ=63.1 -19.9
fwAVG=1.88
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sdS=563.2
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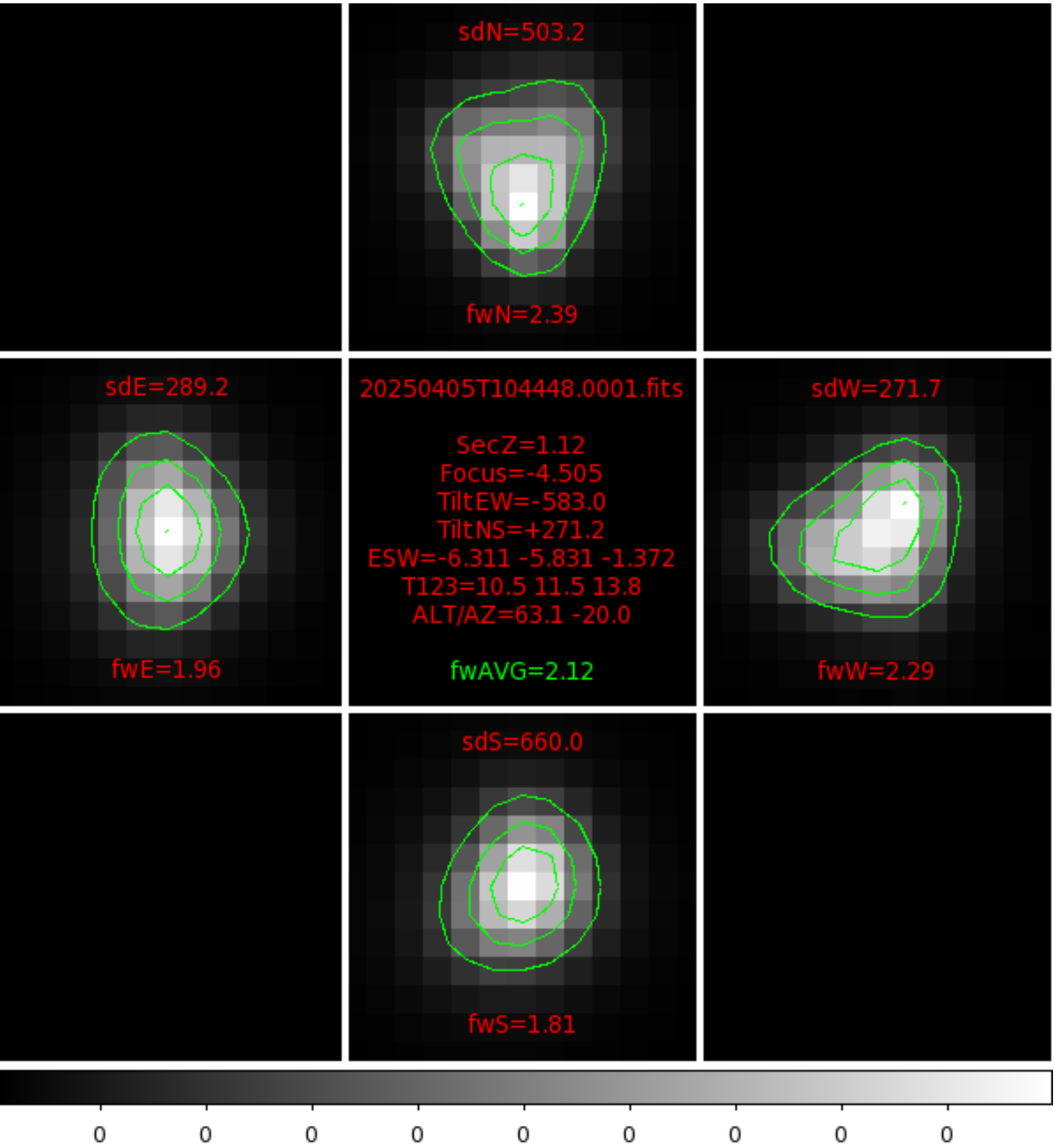
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SecZ=1.12
Focus=-4.505
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.311 -5.831 -1.372
T123=10.5 11.5 13.8
ALT/AZ=63.1 -20.0
fwAVG=2.12
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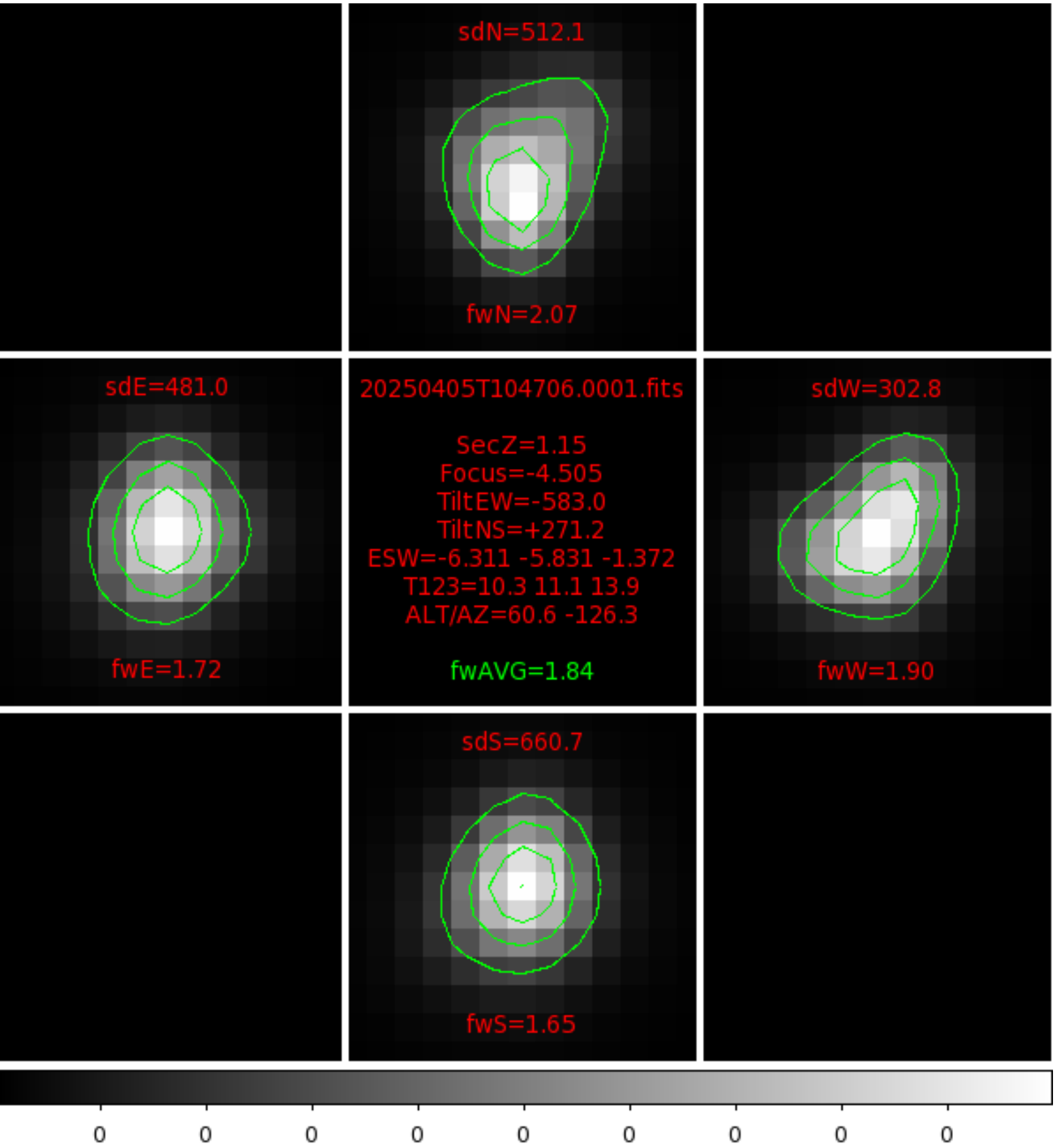
sdN=512.1
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fwE=1.72
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SecZ=1.15
Focus=-4.505
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.311 -5.831 -1.372
T123=10.3 11.1 13.9
ALT/AZ=60.6 -126.3
fwAVG=1.84
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sdS=660.7
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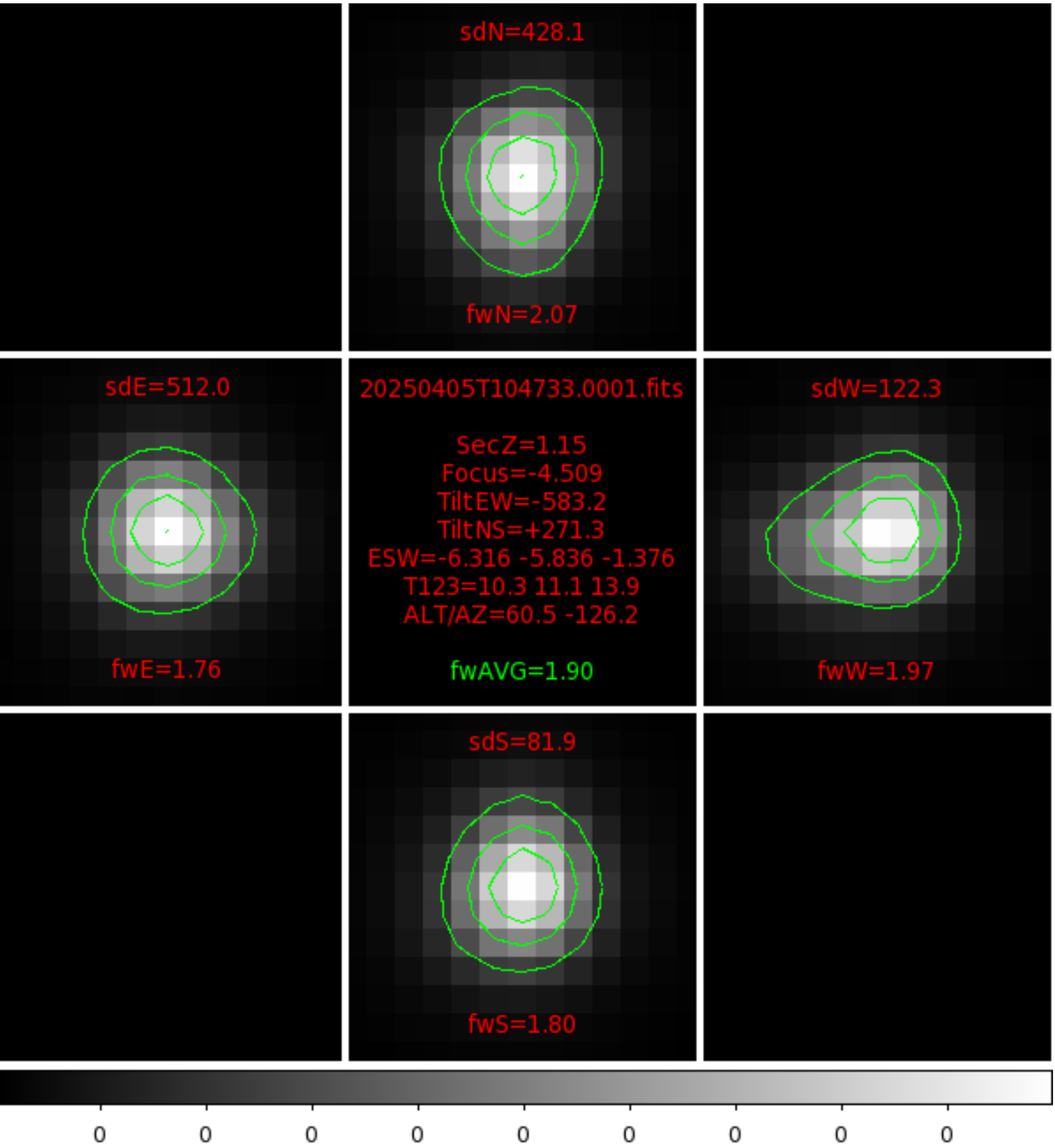
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fwE=1.76
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SecZ=1.15
Focus=-4.509
TiltEW=-583.2
TiltNS=+271.3
ESW=-6.316 -5.836 -1.376
T123=10.3 11.1 13.9
ALT/AZ=60.5 -126.2
fwAVG=1.90
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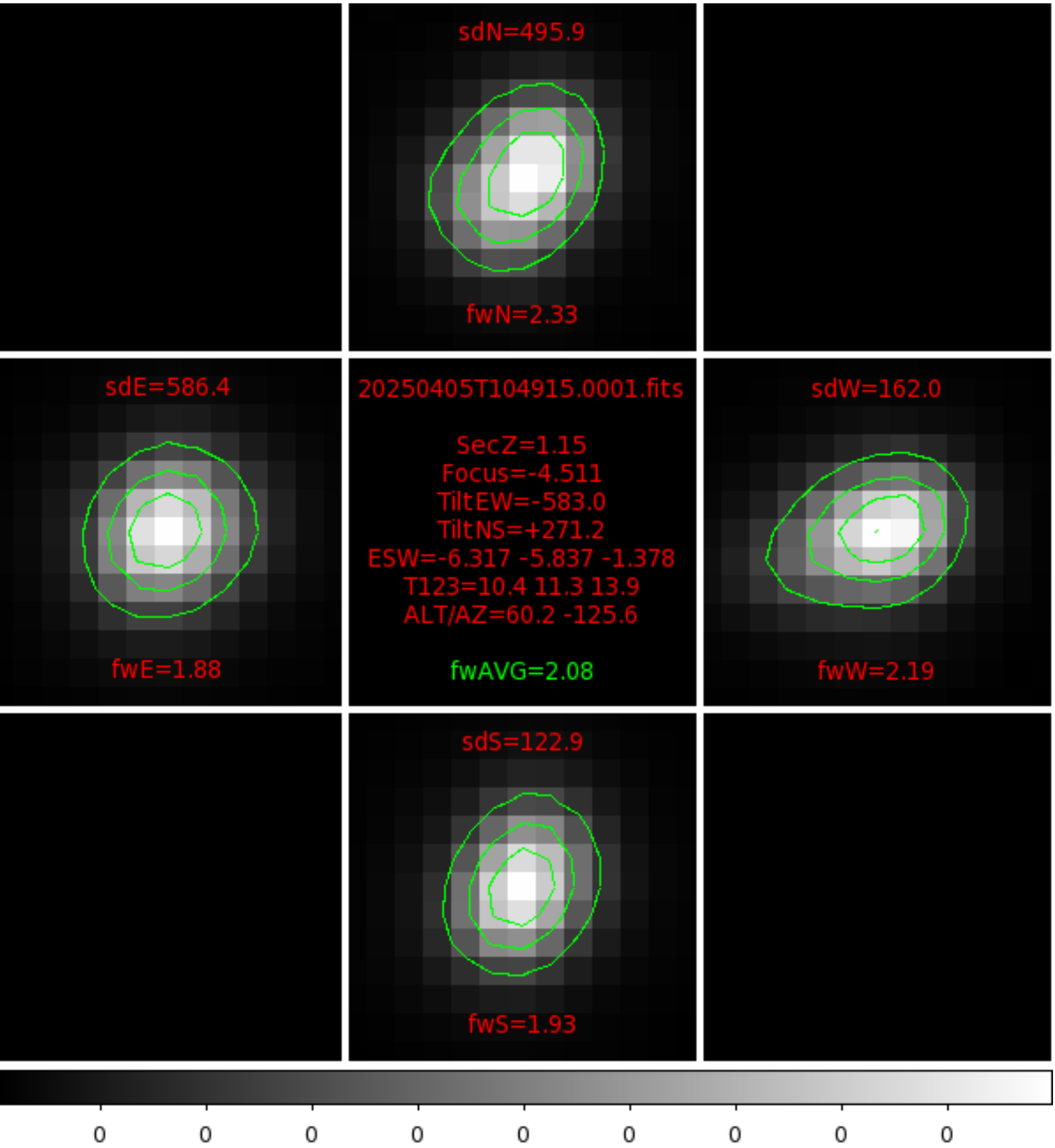
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sdE=586.4
fwE=1.88
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SecZ=1.15
Focus=-4.511
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.317 -5.837 -1.378
T123=10.4 11.3 13.9
ALT/AZ=60.2 -125.6
fwAVG=2.08
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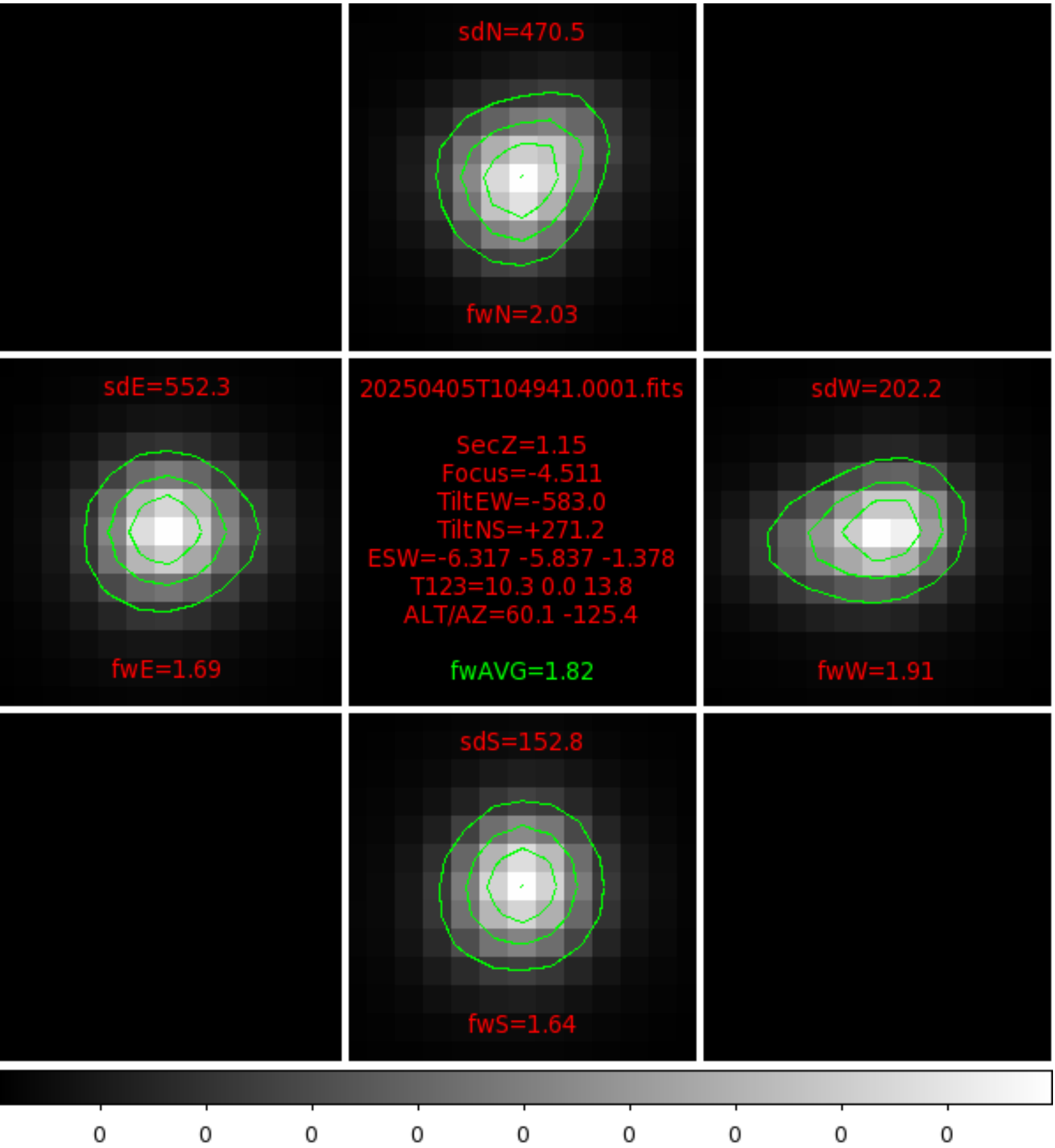
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TiltNS=+271.2
ESW=-6.317 -5.837 -1.378
T123=10.3 0.0 13.8
ALT/AZ=60.1 -125.4
fwAVG=1.82
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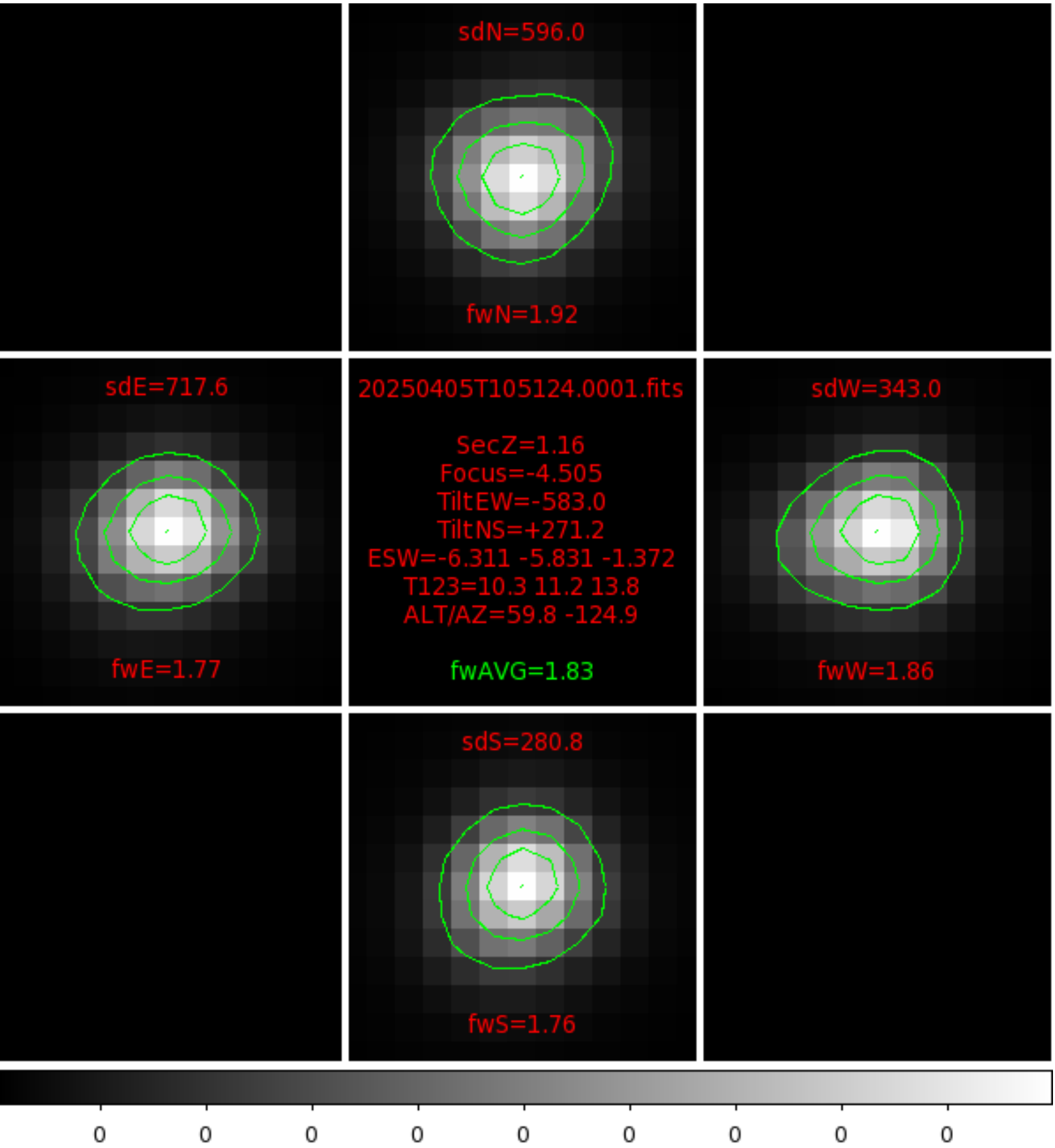
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sdE=717.6
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SecZ=1.16
Focus=-4.505
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.311 -5.831 -1.372
T123=10.3 11.2 13.8
ALT/AZ=59.8 -124.9
fwAVG=1.83
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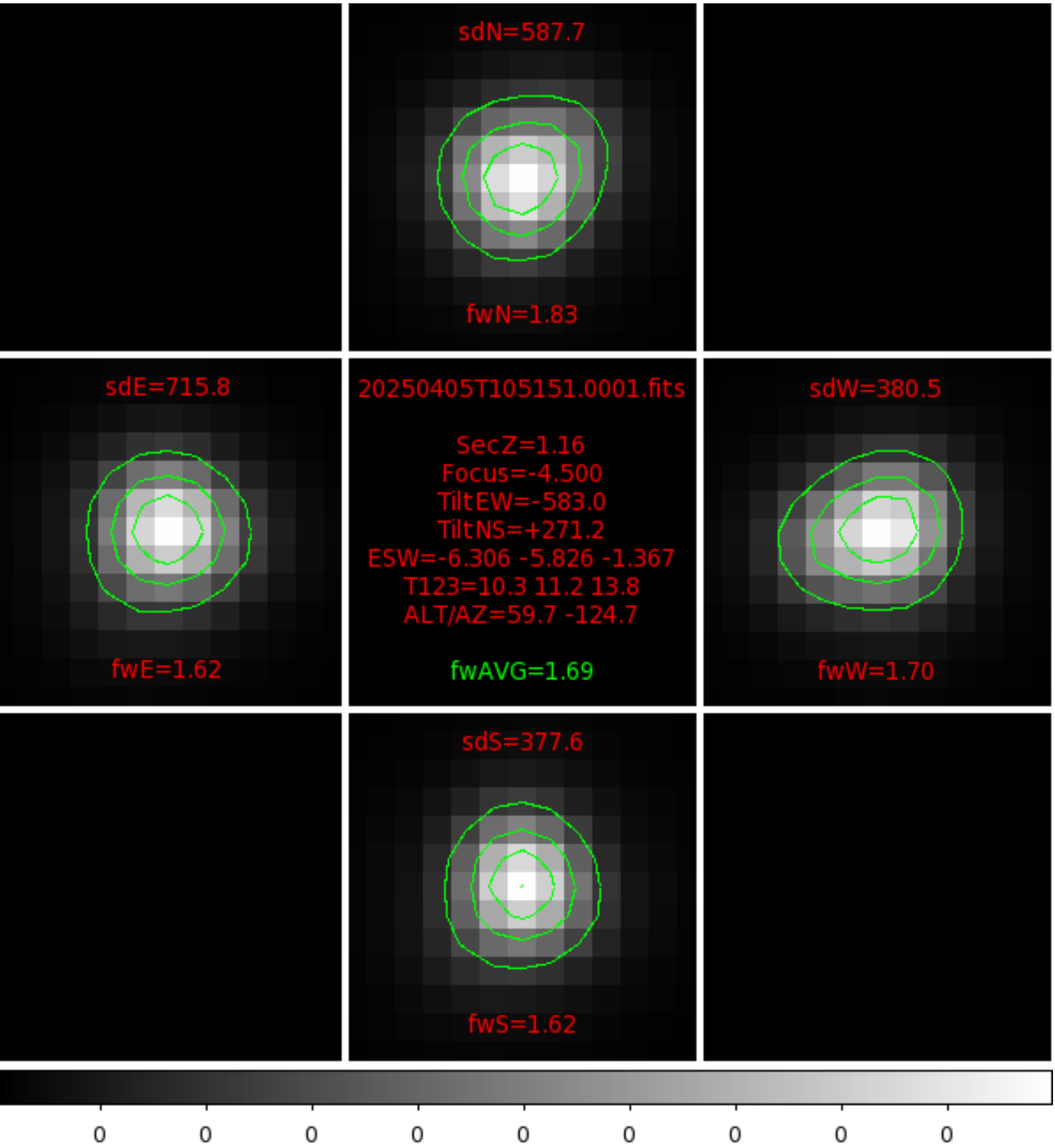
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sdE=715.8
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SecZ=1.16
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.306 -5.826 -1.367
T123=10.3 11.2 13.8
ALT/AZ=59.7 -124.7
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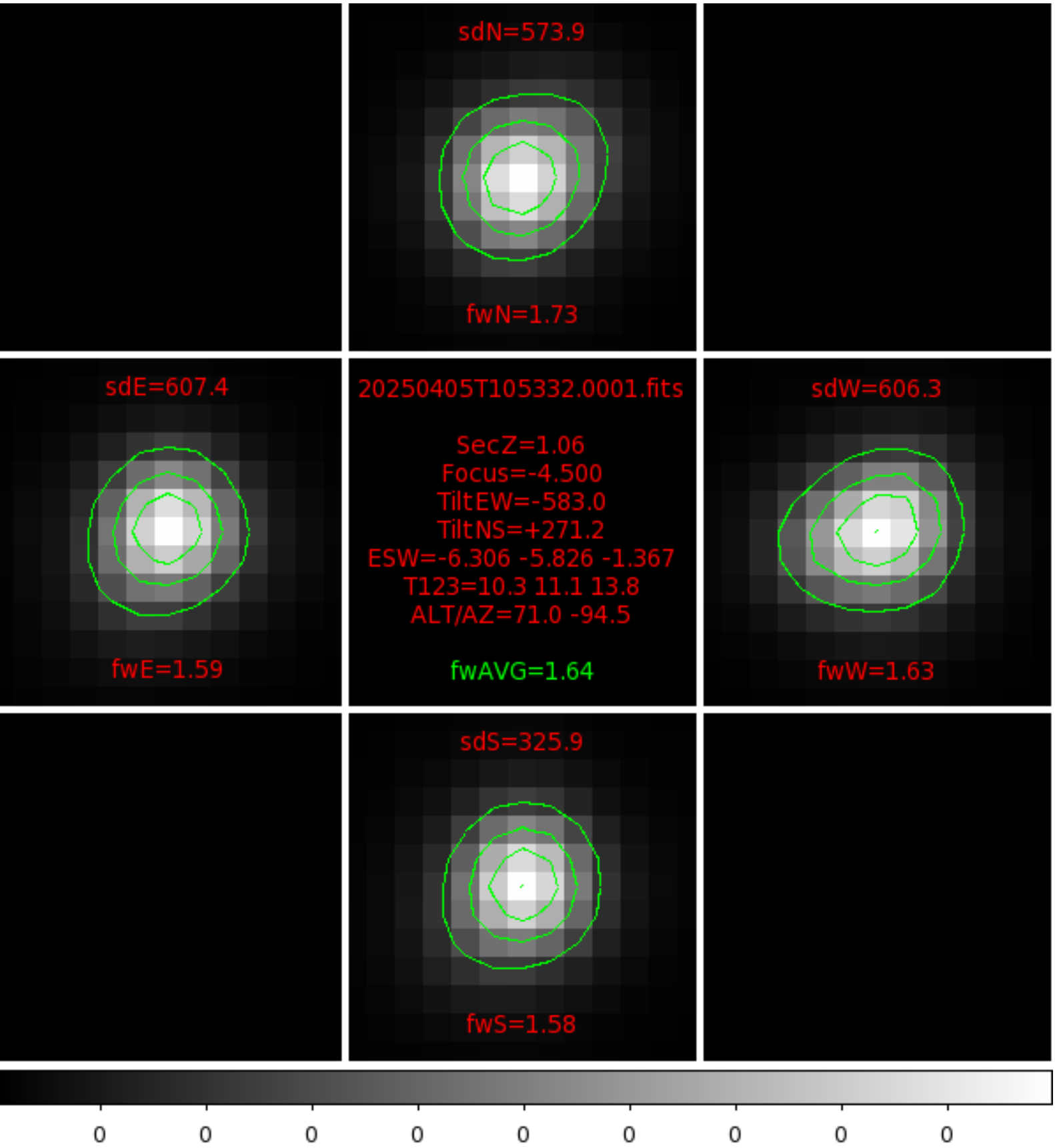
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SecZ=1.06
Focus=-4.500
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.306 -5.826 -1.367
T123=10.3 11.1 13.8
ALT/AZ=71.0 -94.5
fwAVG=1.64
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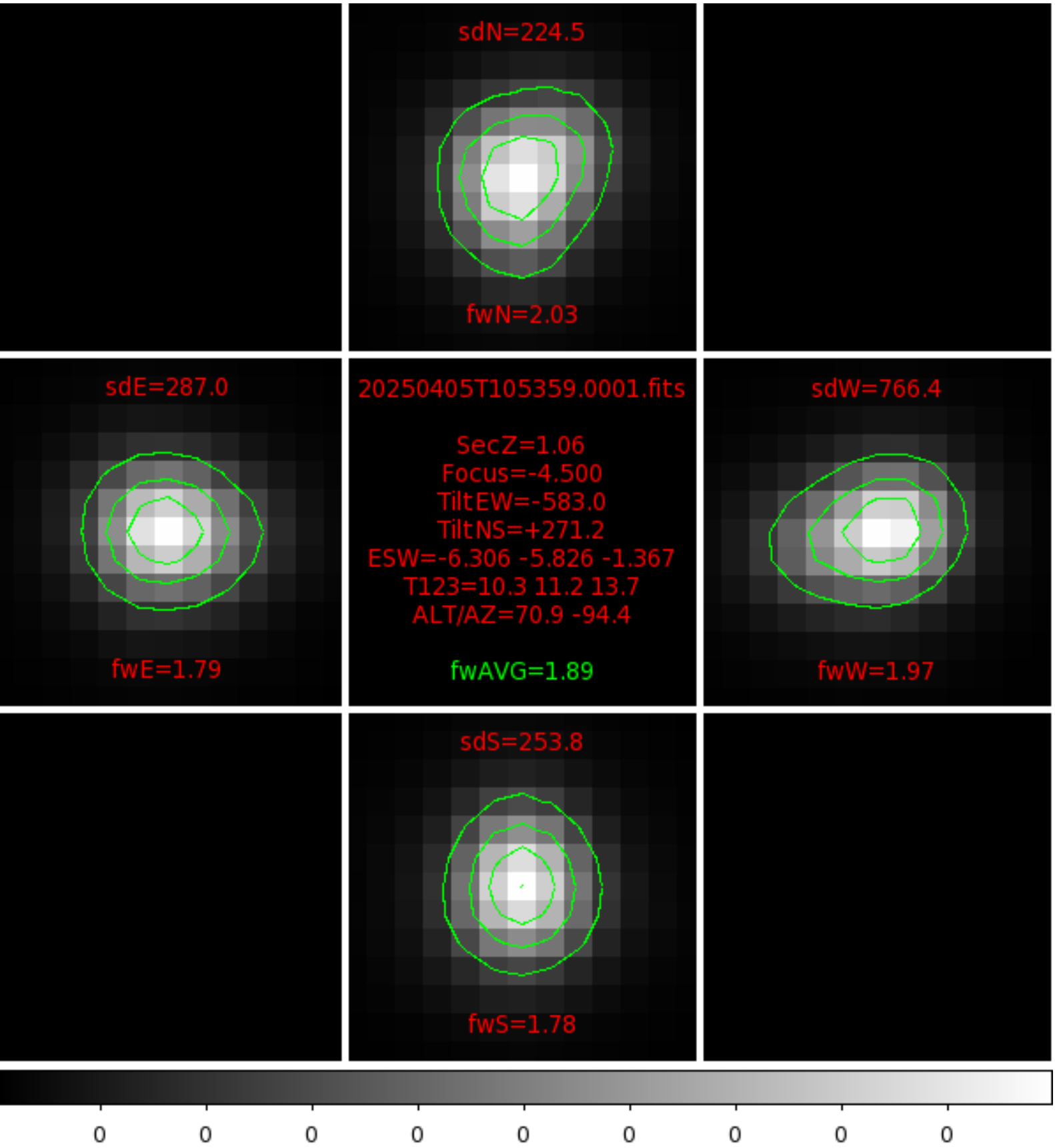
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SecZ=1.06
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.306 -5.826 -1.367
T123=10.3 11.2 13.7
ALT/AZ=70.9 -94.4
fwAVG=1.89
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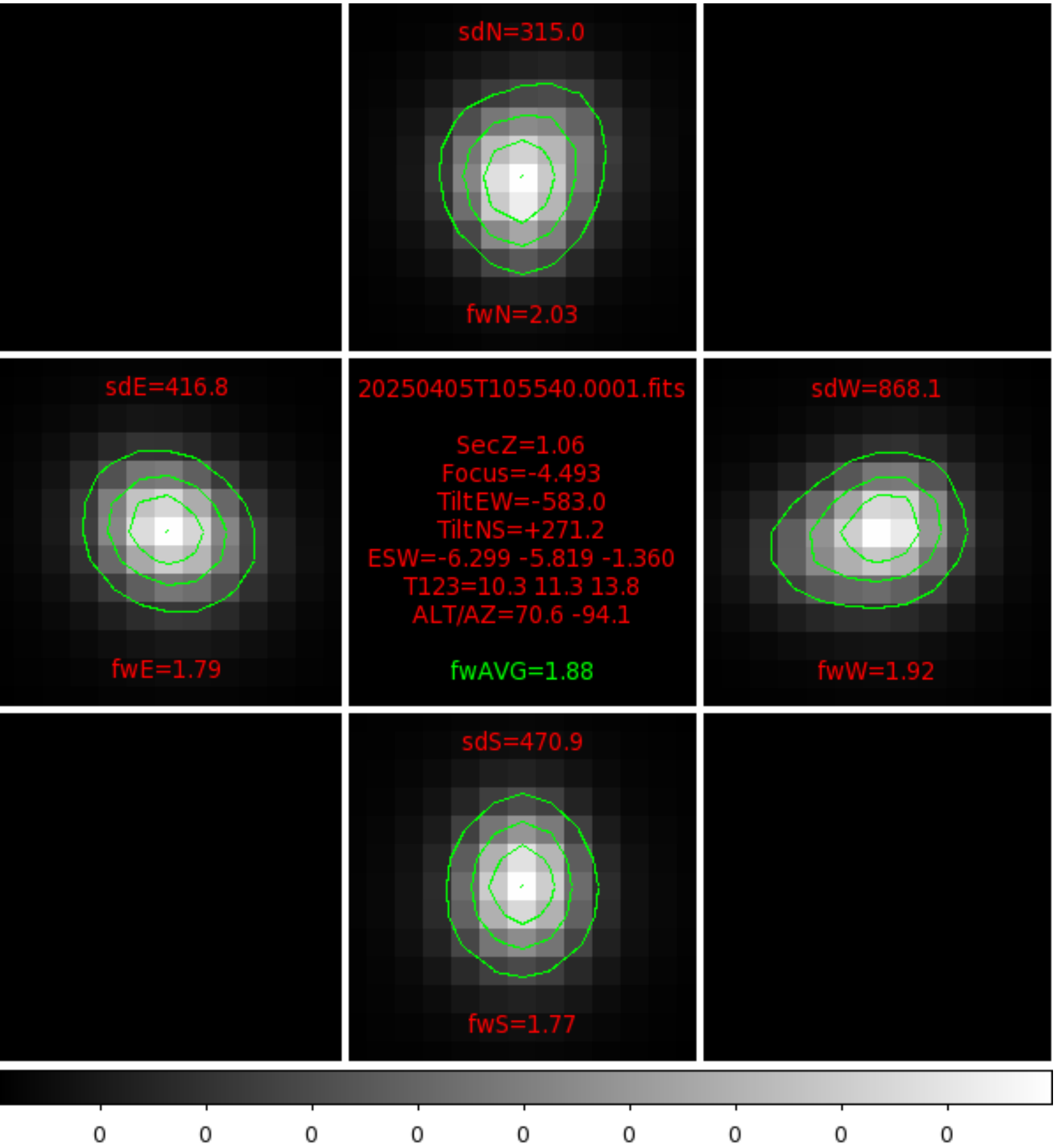
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sdE=416.8
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SecZ=1.06
Focus=-4.493
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.299 -5.819 -1.360
T123=10.3 11.3 13.8
ALT/AZ=70.6 -94.1
fwAVG=1.88
sdW=868.1
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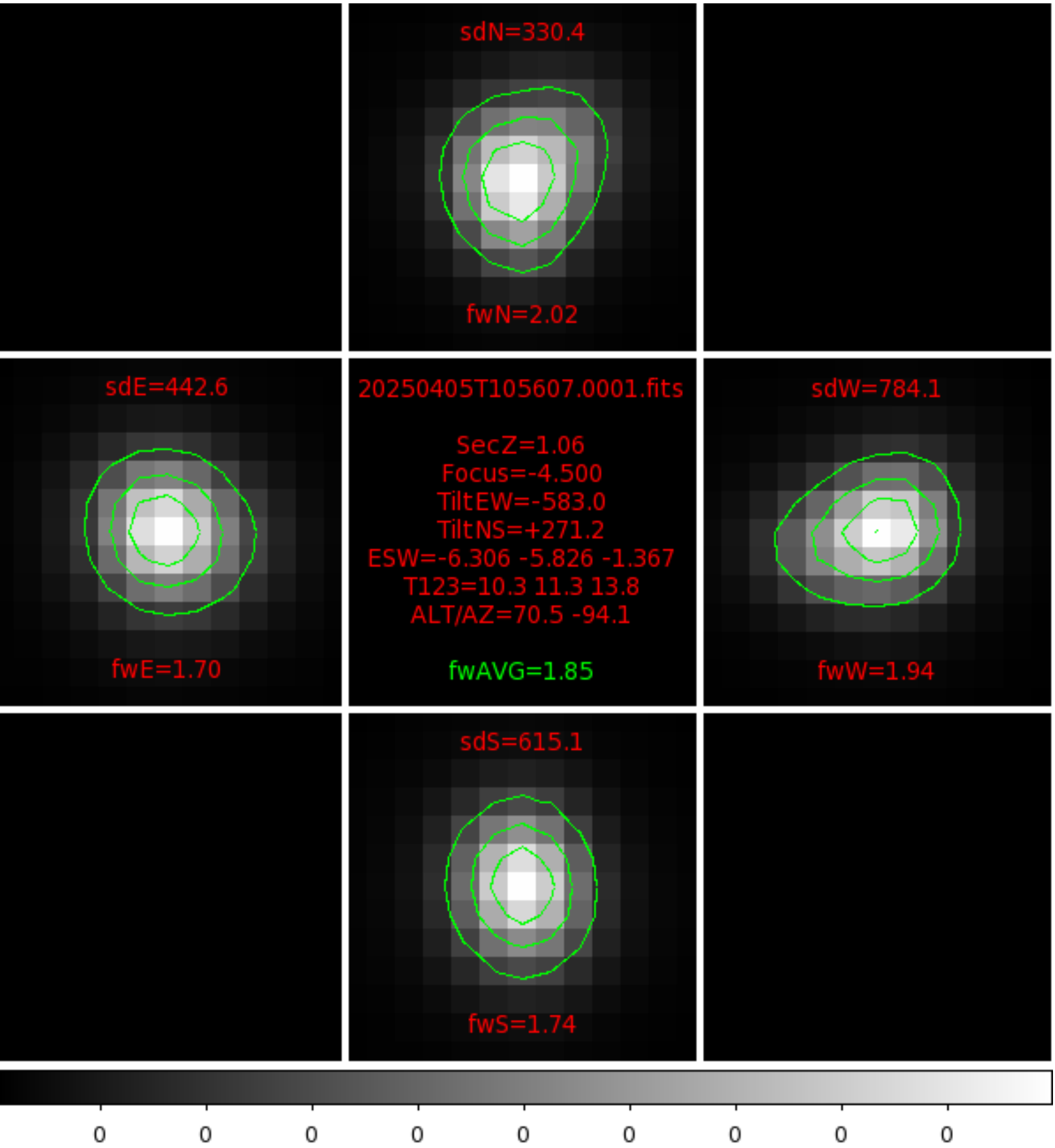
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sdE=442.6
fwE=1.70
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SecZ=1.06
Focus=-4.500
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.306 -5.826 -1.367
T123=10.3 11.3 13.8
ALT/AZ=70.5 -94.1
fwAVG=1.85
sdW=784.1
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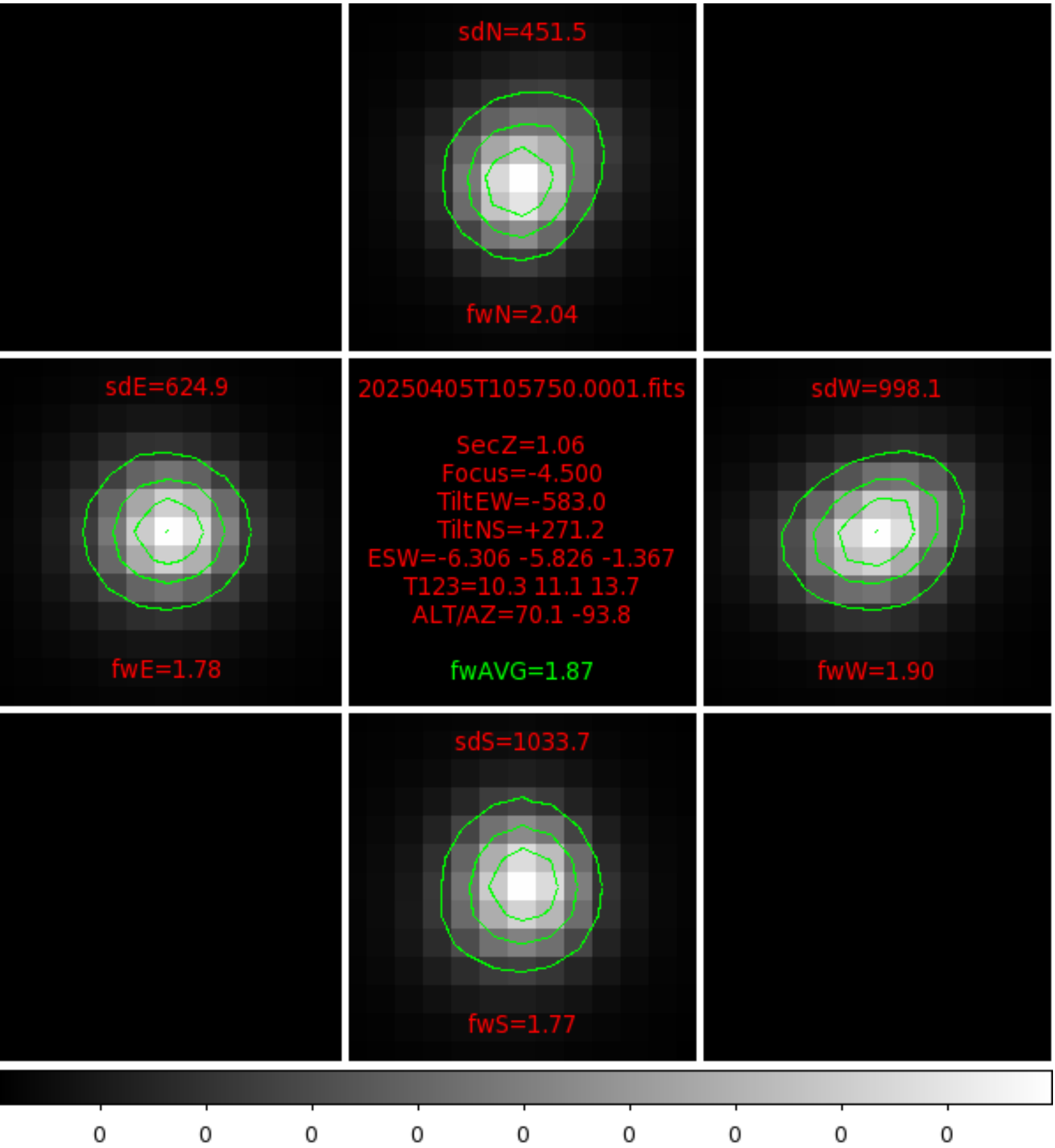
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sdE=624.9
fwE=1.78
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SecZ=1.06
Focus=-4.500
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.306 -5.826 -1.367
T123=10.3 11.1 13.7
ALT/AZ=70.1 -93.8
fwAVG=1.87
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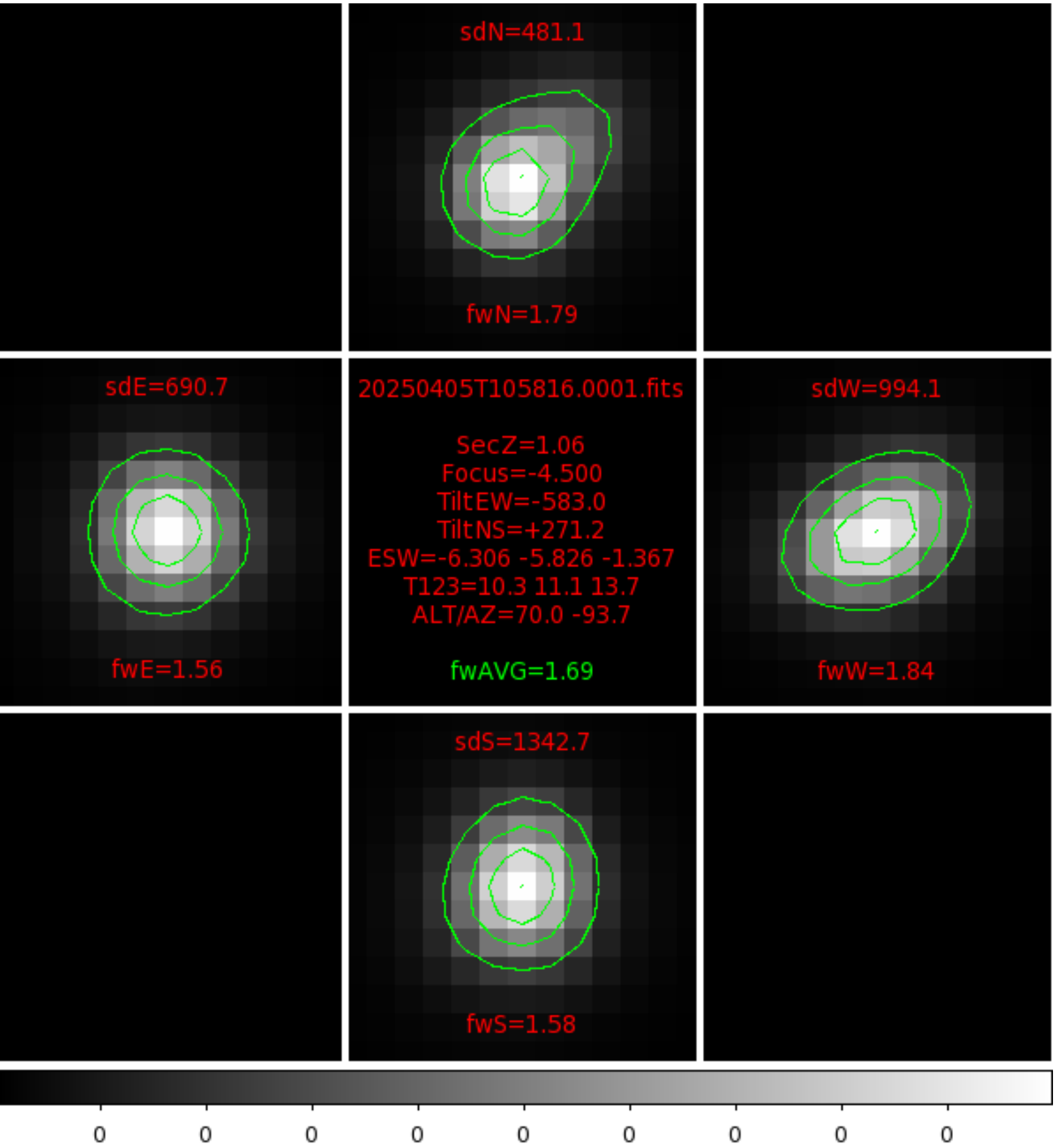
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fwE=1.56
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SecZ=1.06
Focus=-4.500
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.306 -5.826 -1.367
T123=10.3 11.1 13.7
ALT/AZ=70.0 -93.7
fwAVG=1.69
sdW=994.1
fwW=1.84
sdS=1342.7
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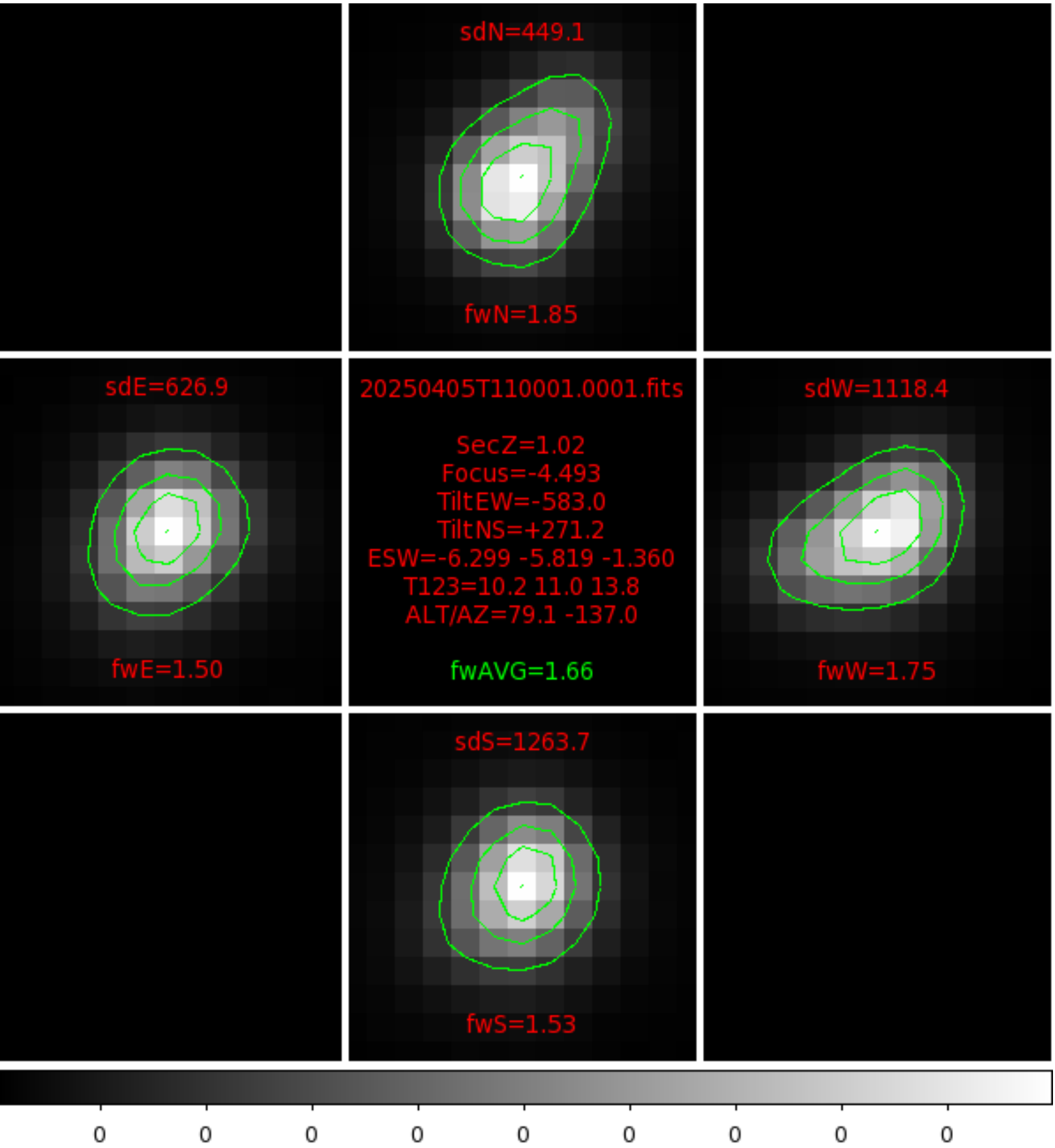
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Focus=-4.493
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TiltNS=+271.2
ESW=-6.299 -5.819 -1.360
T123=10.2 11.0 13.8
ALT/AZ=79.1 -137.0
fwAVG=1.66
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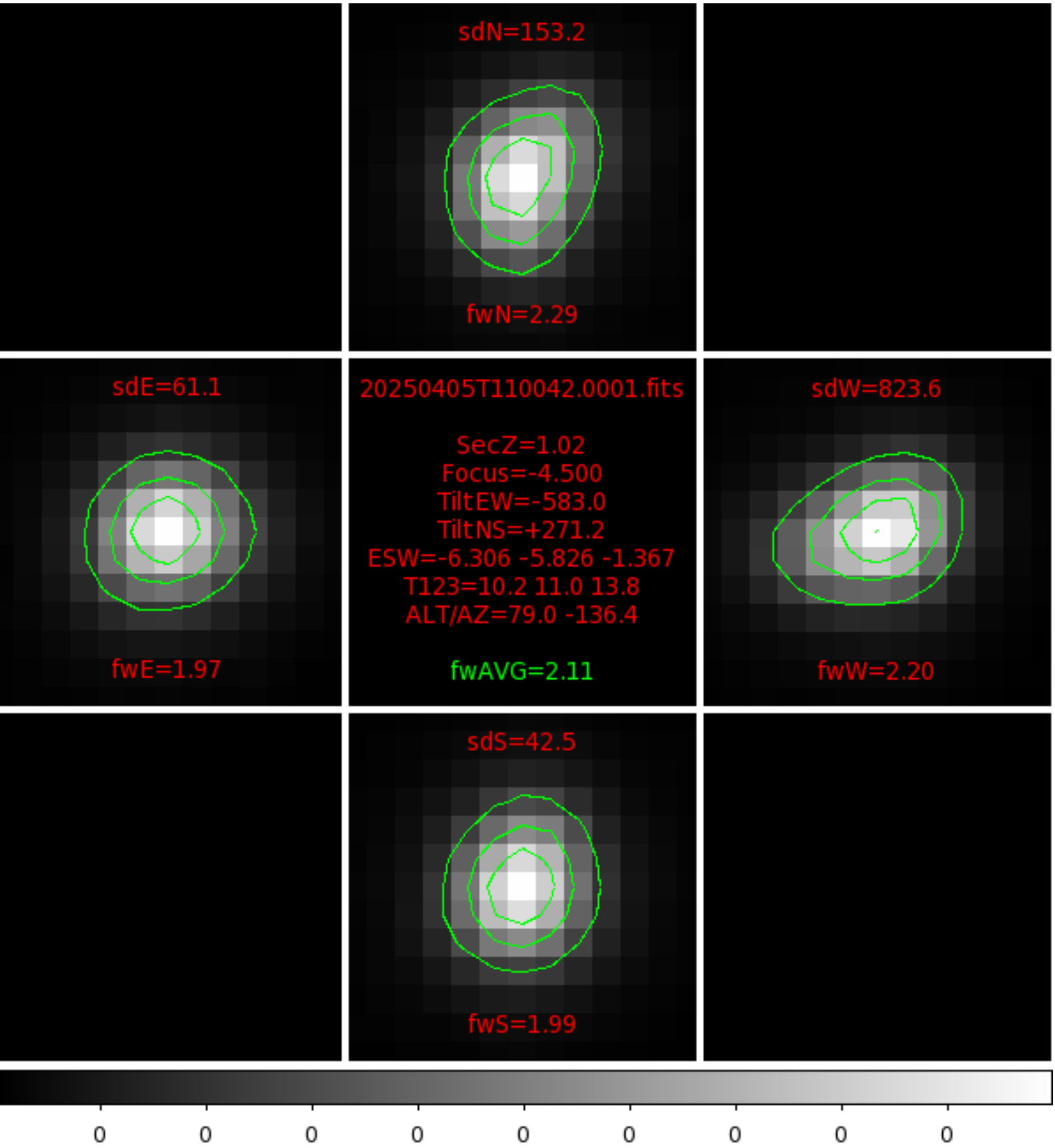
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.306 -5.826 -1.367
T123=10.2 11.0 13.8
ALT/AZ=79.0 -136.4
fwAVG=2.11
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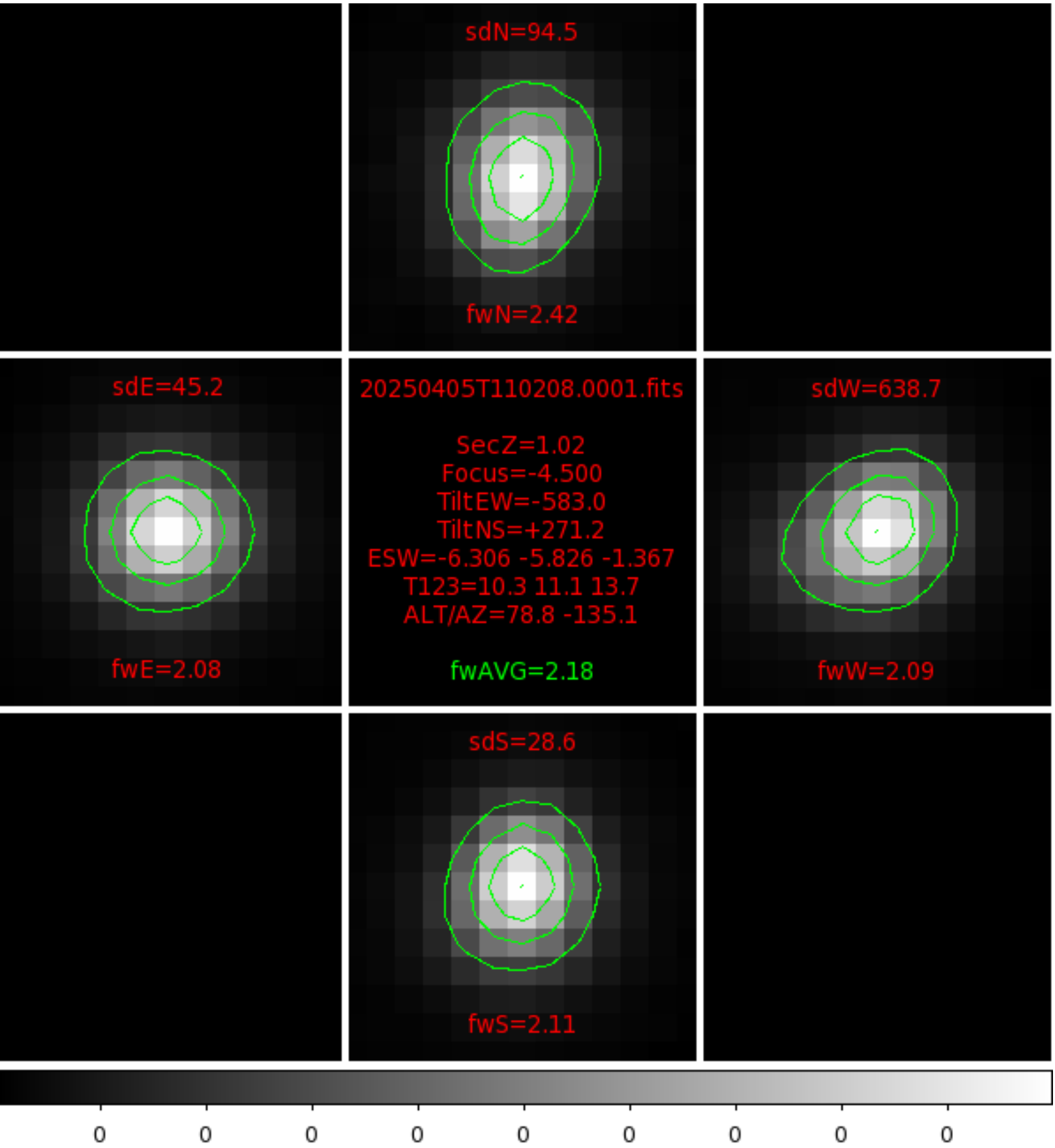
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.306 -5.826 -1.367
T123=10.3 11.1 13.7
ALT/AZ=78.8 -135.1
fwAVG=2.18
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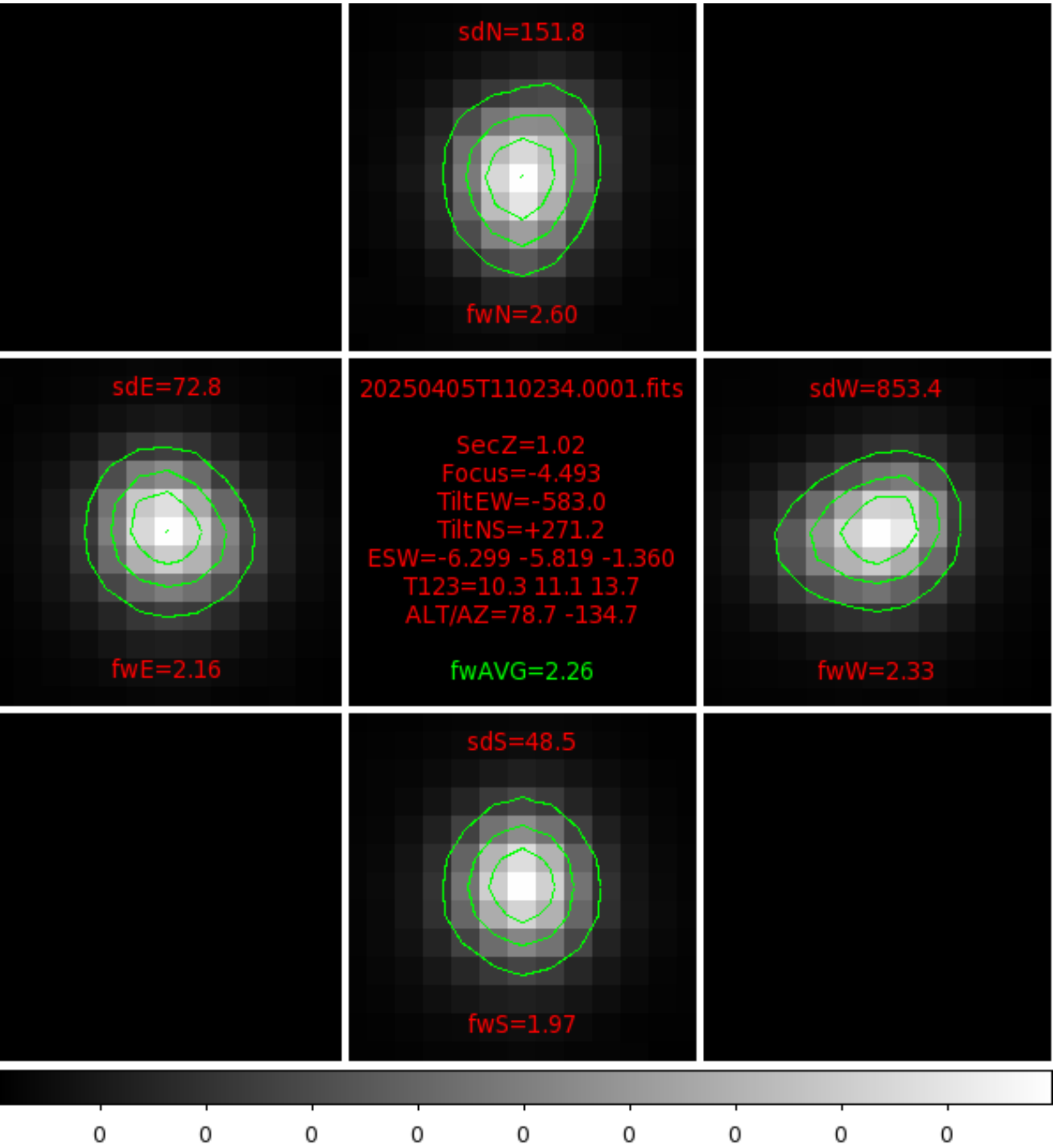
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Focus=-4.493
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.299 -5.819 -1.360
T123=10.3 11.1 13.7
ALT/AZ=78.7 -134.7
fwAVG=2.26
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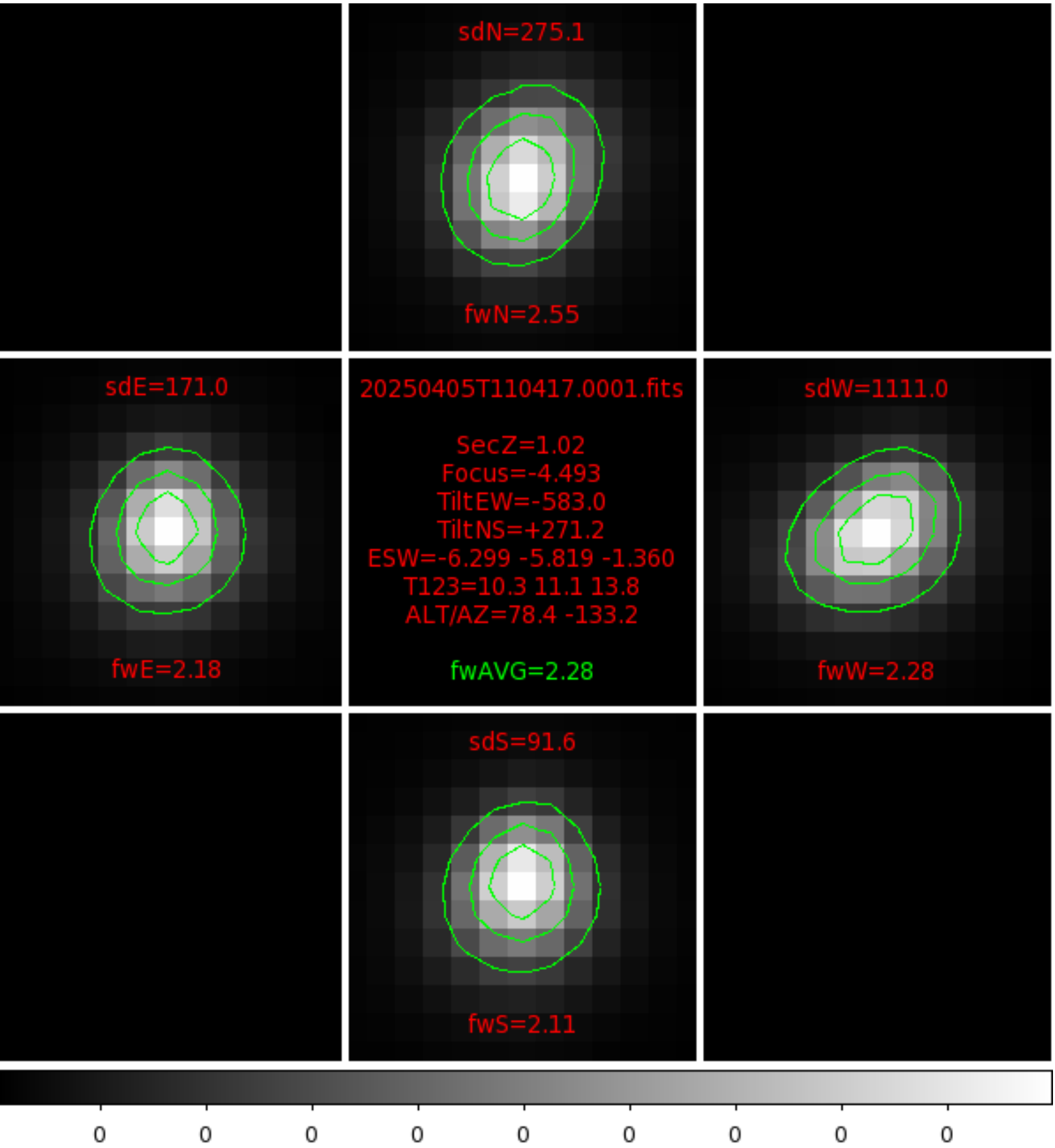
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sdE=171.0
fwE=2.18
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SecZ=1.02
Focus=-4.493
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.299 -5.819 -1.360
T123=10.3 11.1 13.8
ALT/AZ=78.4 -133.2
fwAVG=2.28
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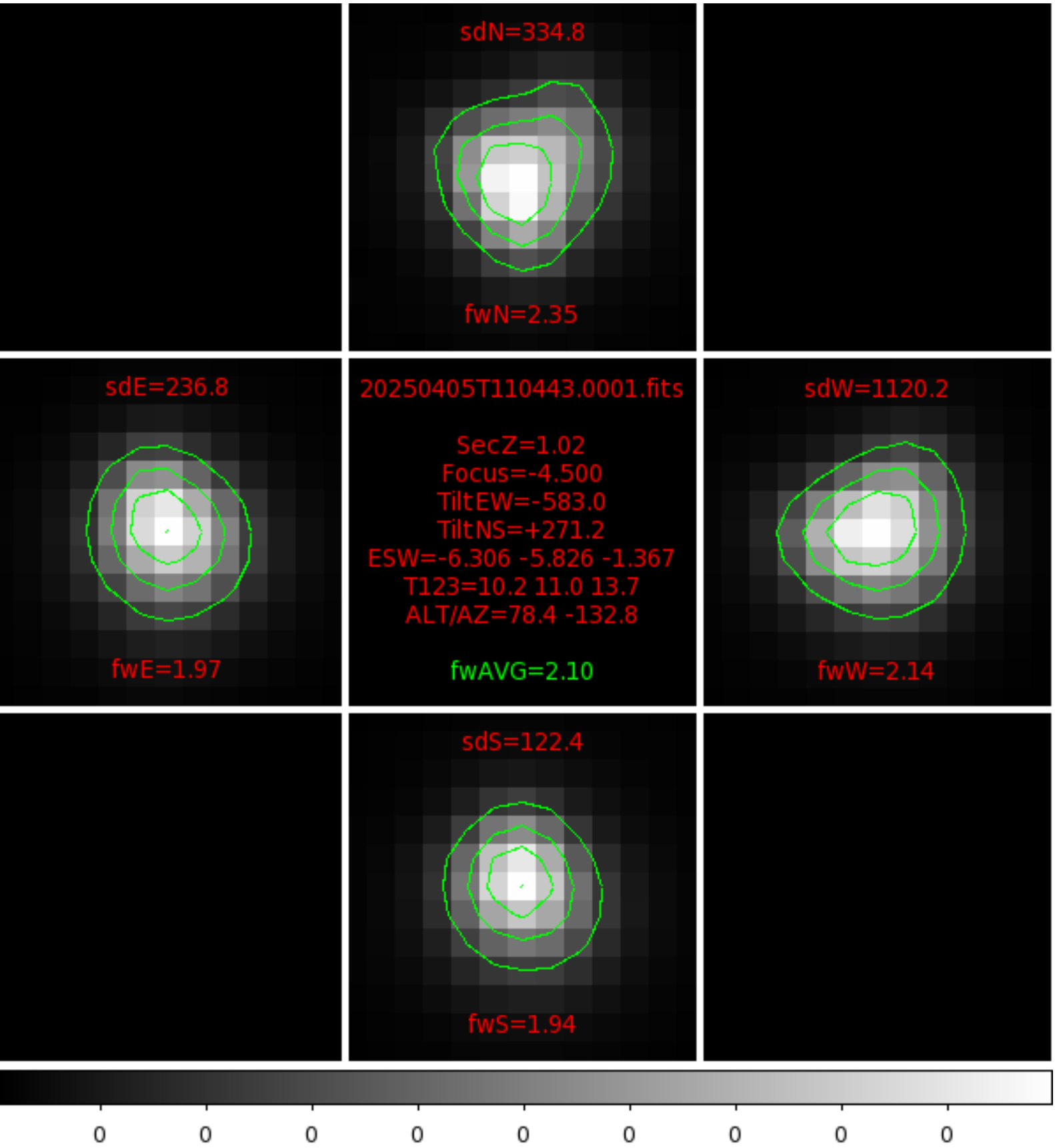
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Focus=-4.500
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.306 -5.826 -1.367
T123=10.2 11.0 13.7
ALT/AZ=78.4 -132.8
fwAVG=2.10
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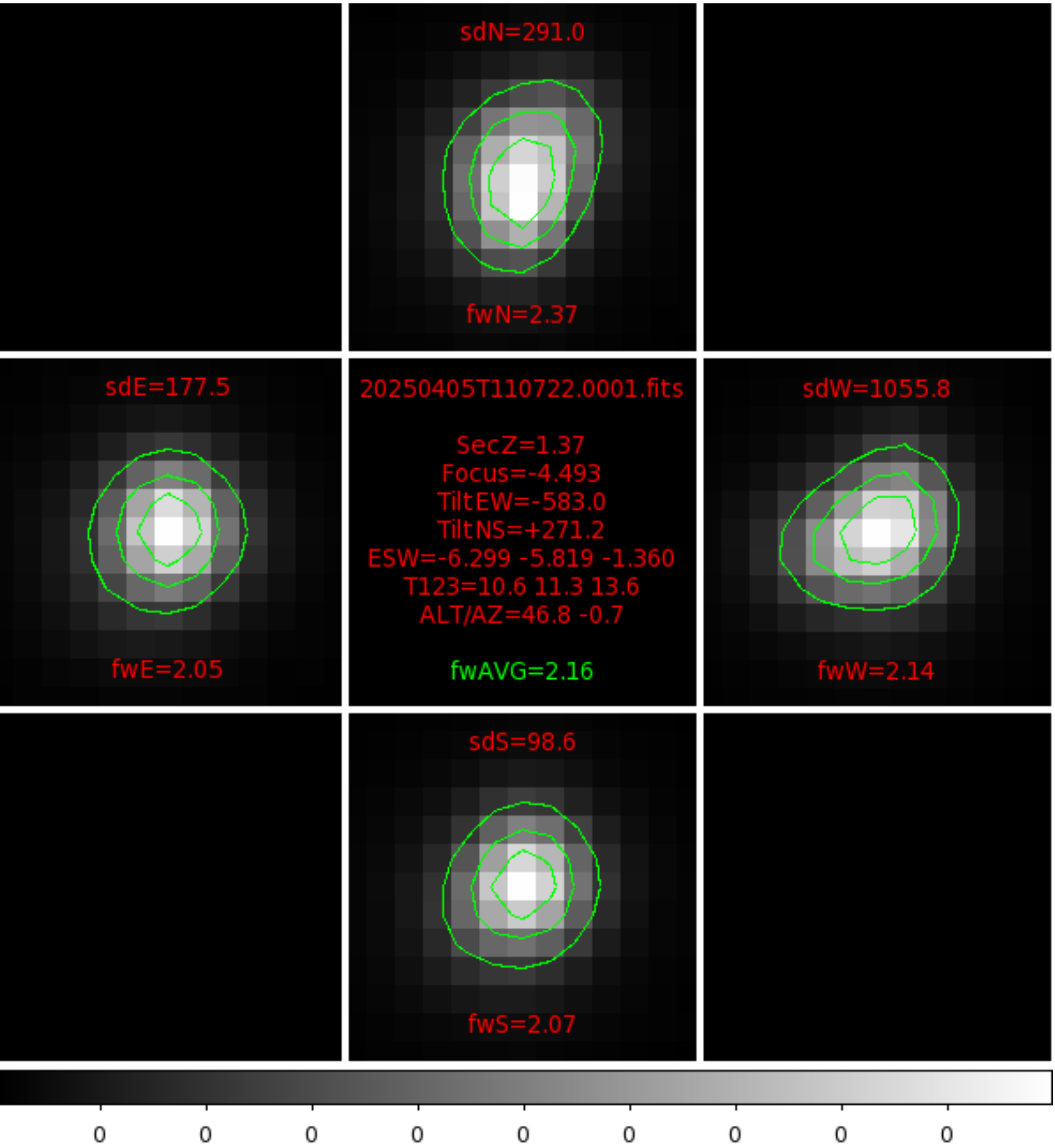
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SecZ=1.37
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.299 -5.819 -1.360
T123=10.6 11.3 13.6
ALT/AZ=46.8 -0.7
fwAVG=2.16
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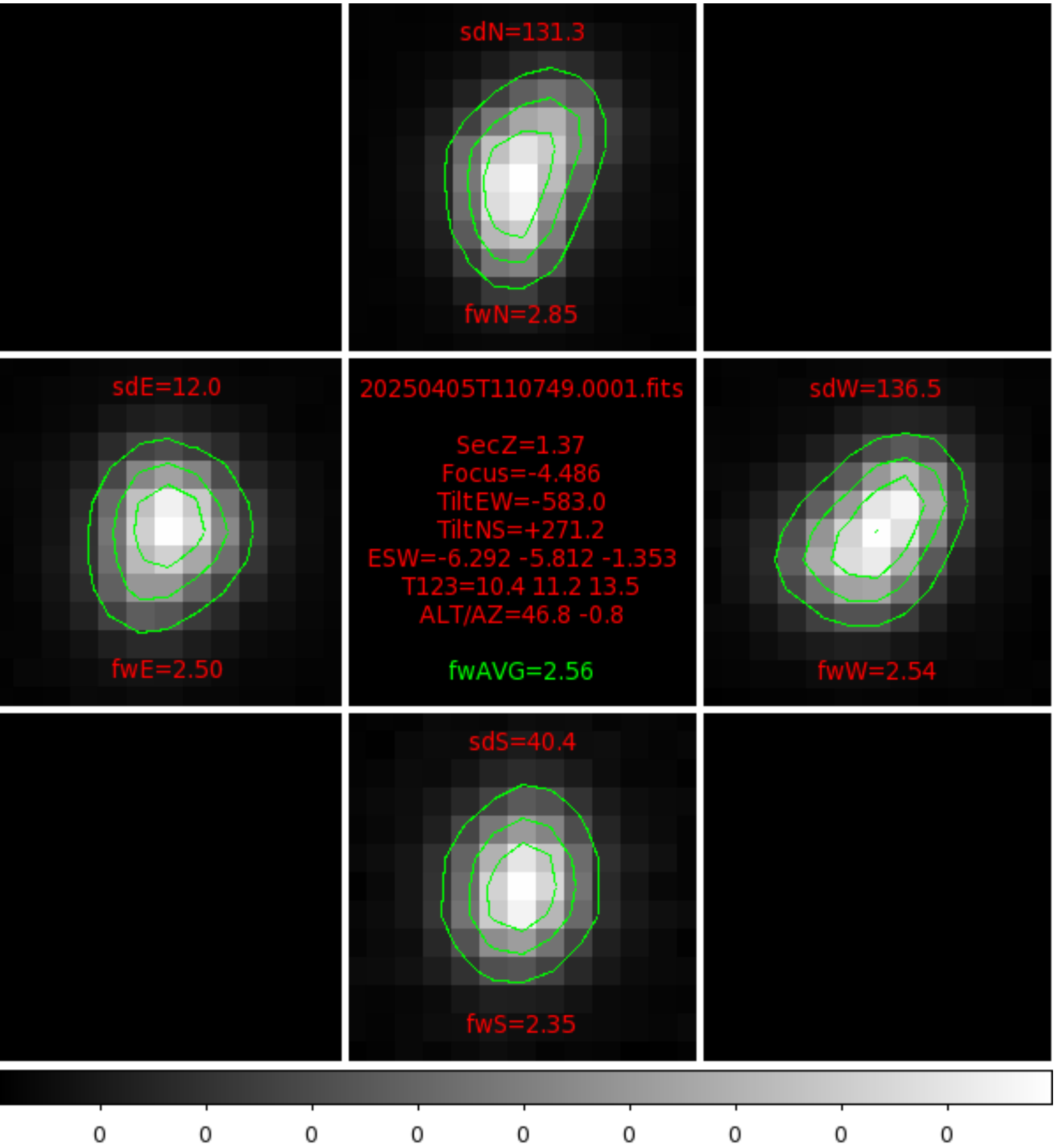
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Focus=-4.486
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.292 -5.812 -1.353
T123=10.4 11.2 13.5
ALT/AZ=46.8 -0.8
fwAVG=2.56
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sdS=40.4
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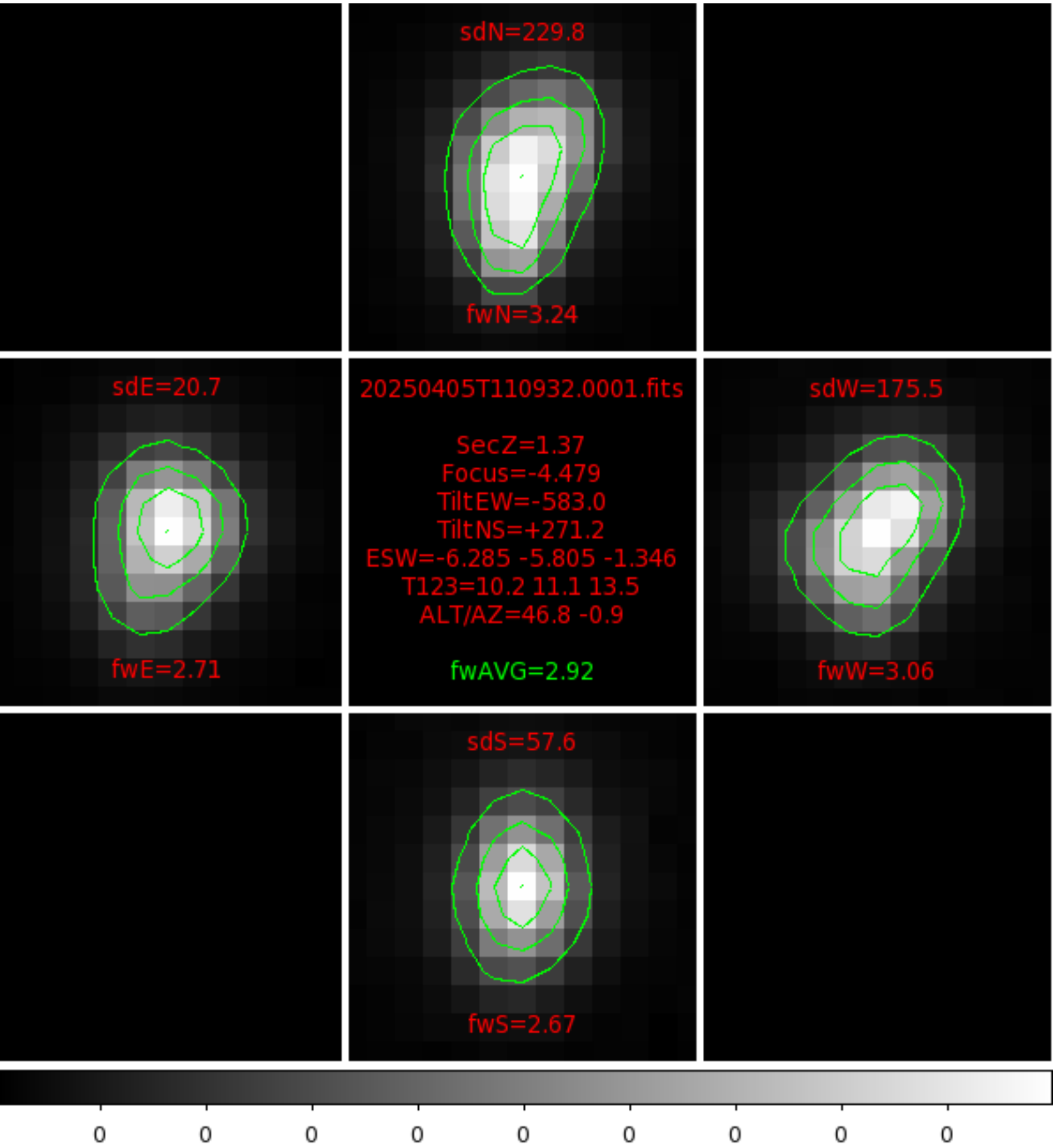
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Focus=-4.479
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.285 -5.805 -1.346
T123=10.2 11.1 13.5
ALT/AZ=46.8 -0.9
fwAVG=2.92
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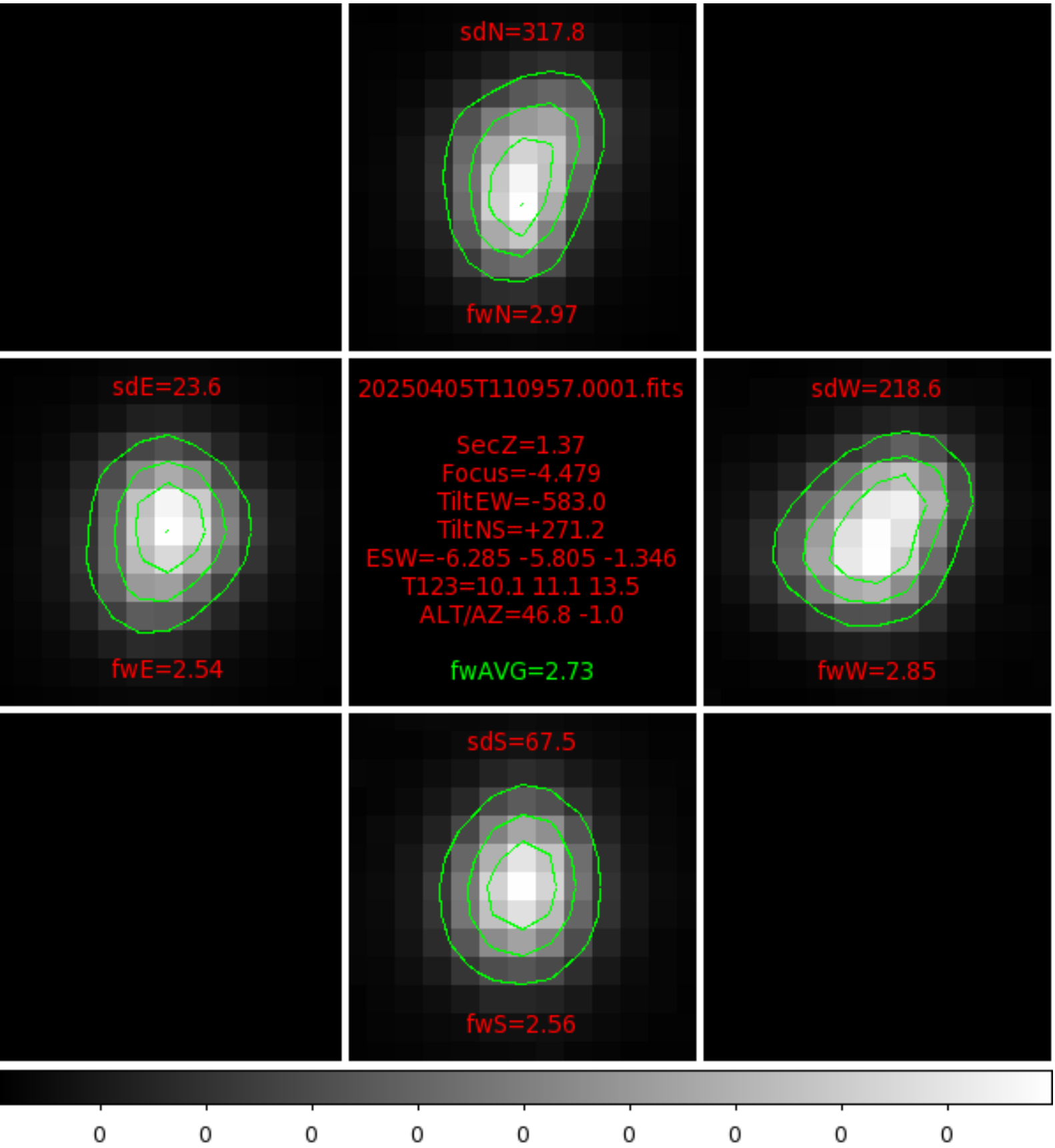
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sdE=23.6
fwE=2.54
20250405T110957.0001.fits
SecZ=1.37
Focus=-4.479
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.285 -5.805 -1.346
T123=10.1 11.1 13.5
ALT/AZ=46.8 -1.0
fwAVG=2.73
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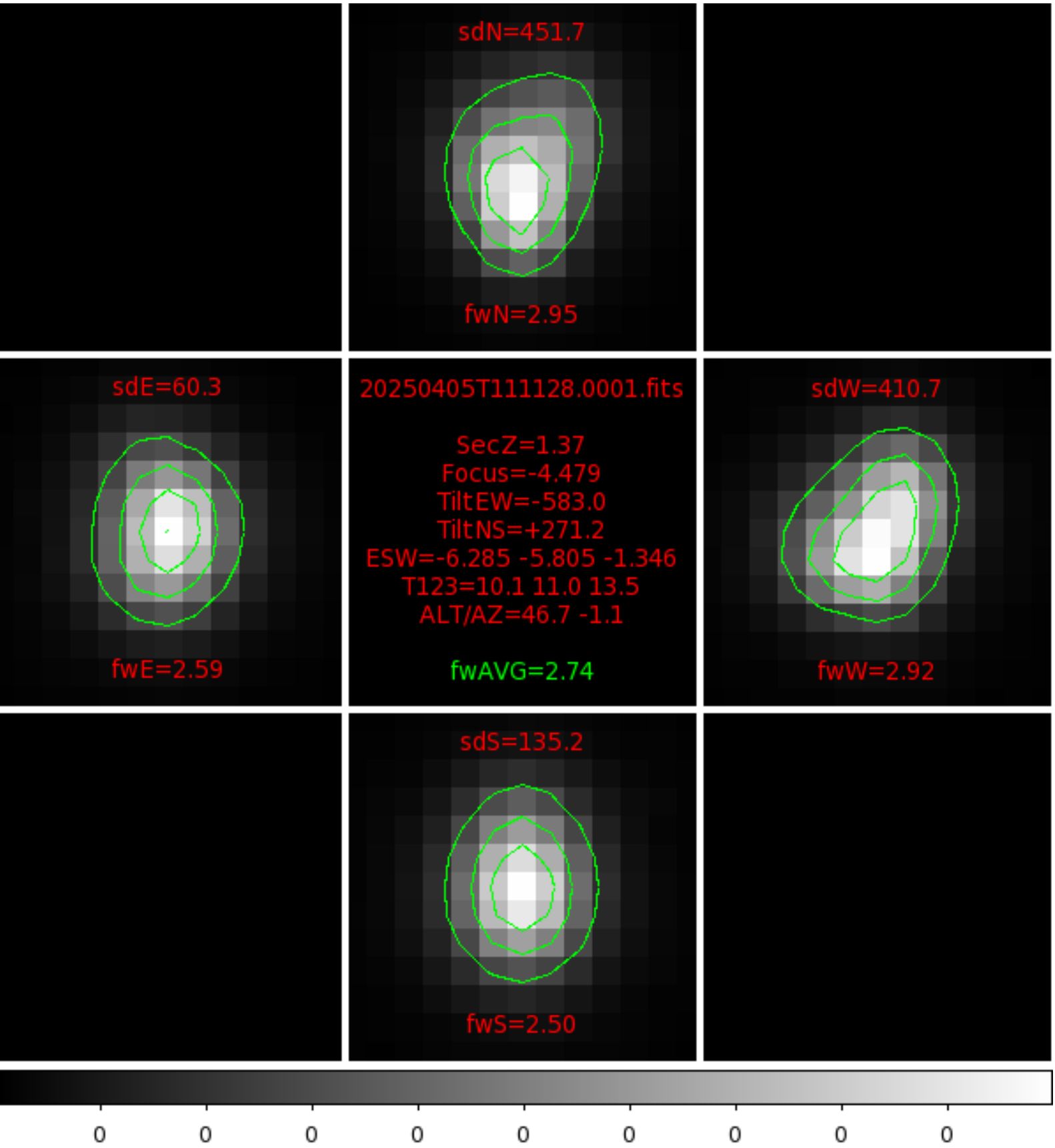
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20250405T111128.0001.fits
SecZ=1.37
Focus=-4.479
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.285 -5.805 -1.346
T123=10.1 11.0 13.5
ALT/AZ=46.7 -1.1
fwAVG=2.74
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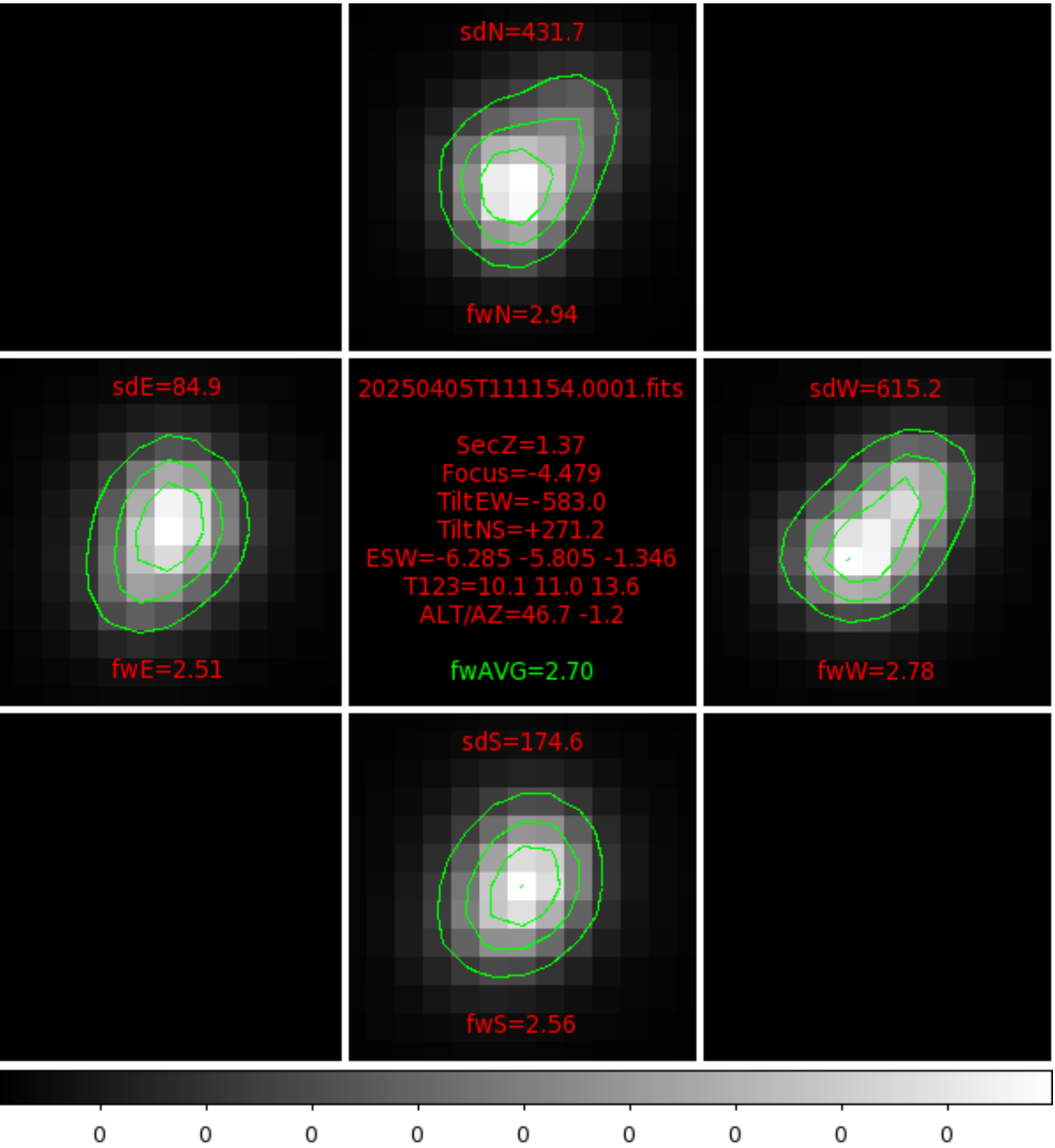
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SecZ=1.37
Focus=-4.479
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.285 -5.805 -1.346
T123=10.1 11.0 13.6
ALT/AZ=46.7 -1.2
fwAVG=2.70
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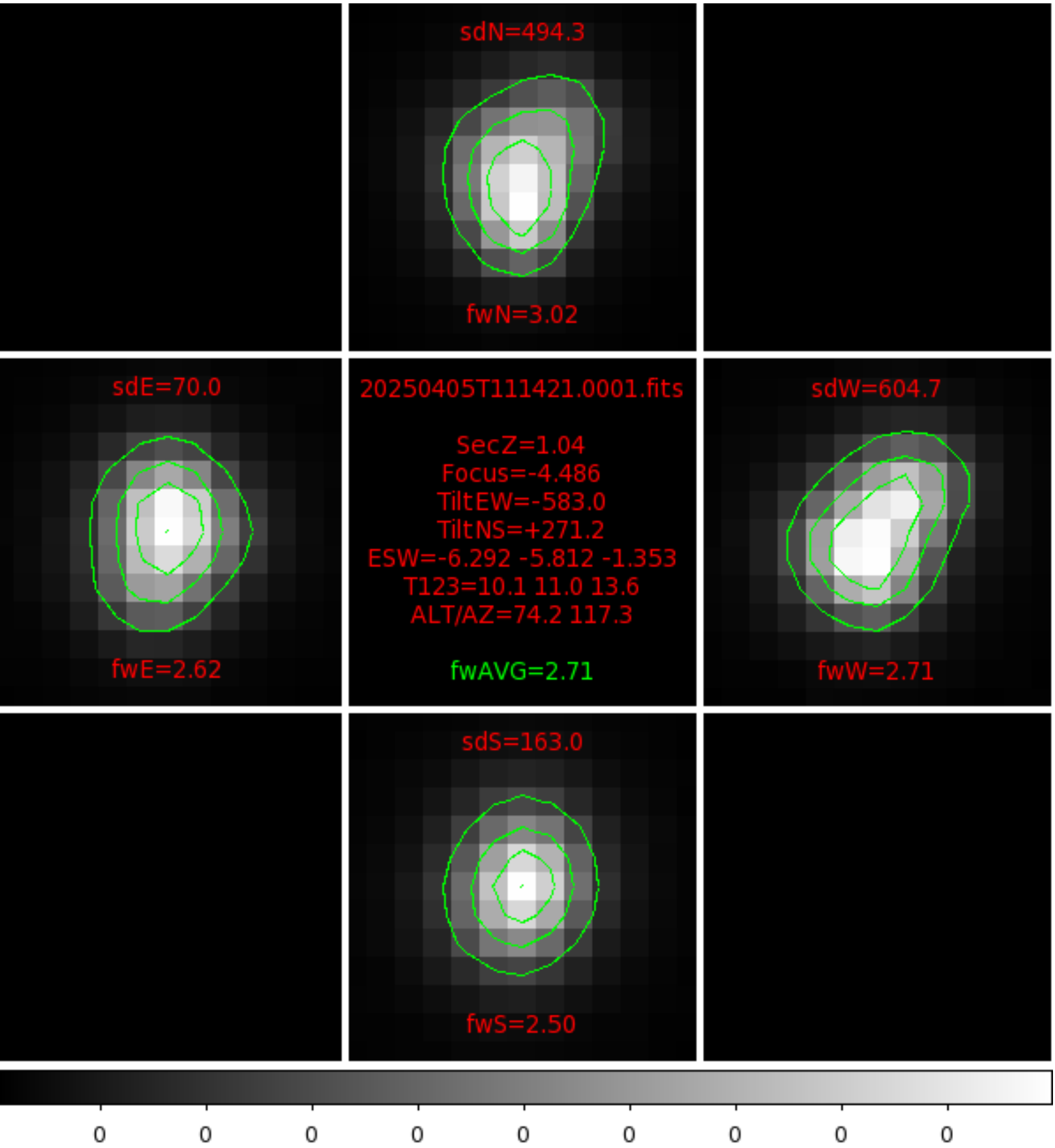
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.292 -5.812 -1.353
T123=10.1 11.0 13.6
ALT/AZ=74.2 117.3
fwAVG=2.71
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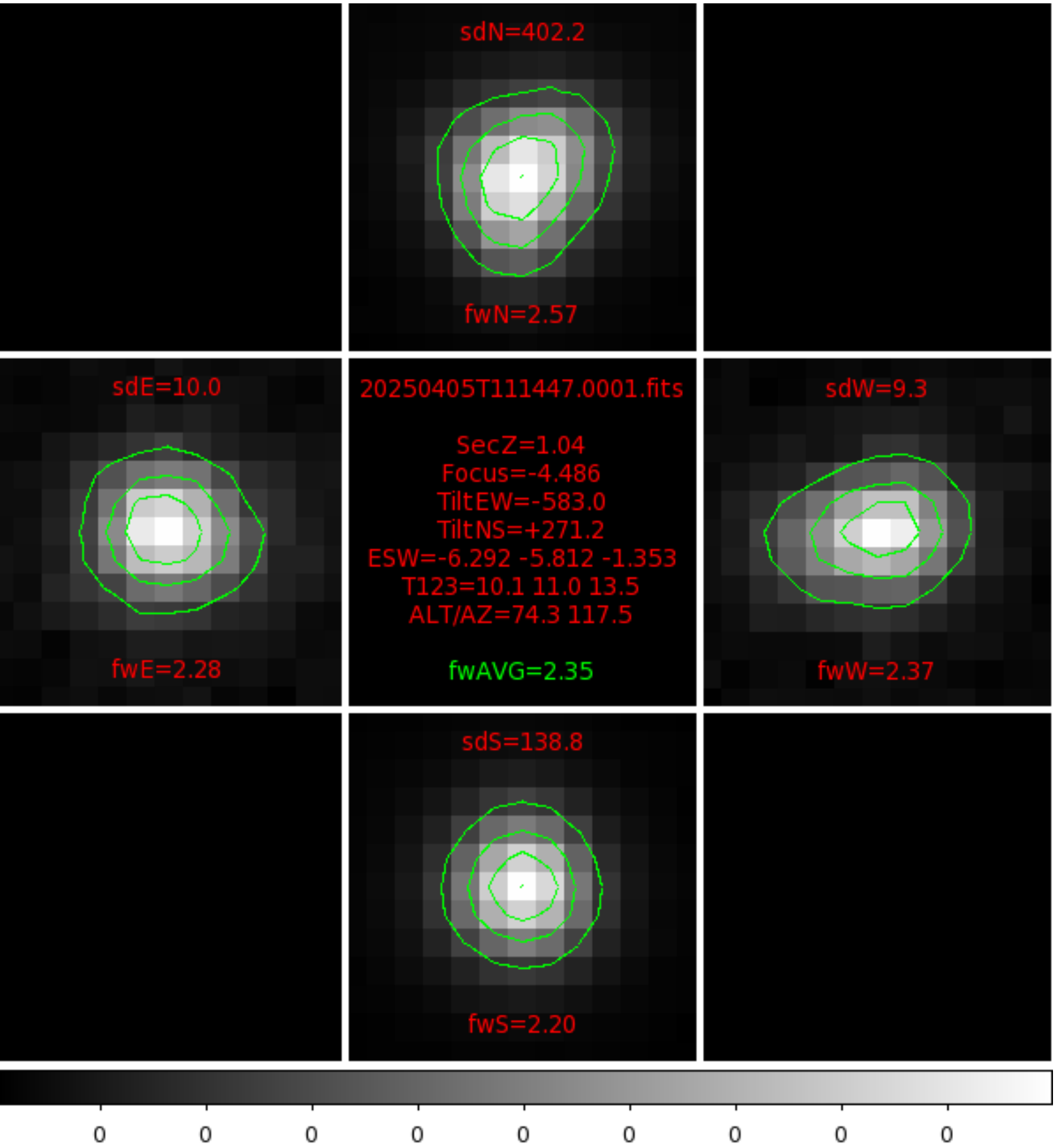
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fwE=2.28
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SecZ=1.04
Focus=-4.486
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.292 -5.812 -1.353
T123=10.1 11.0 13.5
ALT/AZ=74.3 117.5
fwAVG=2.35
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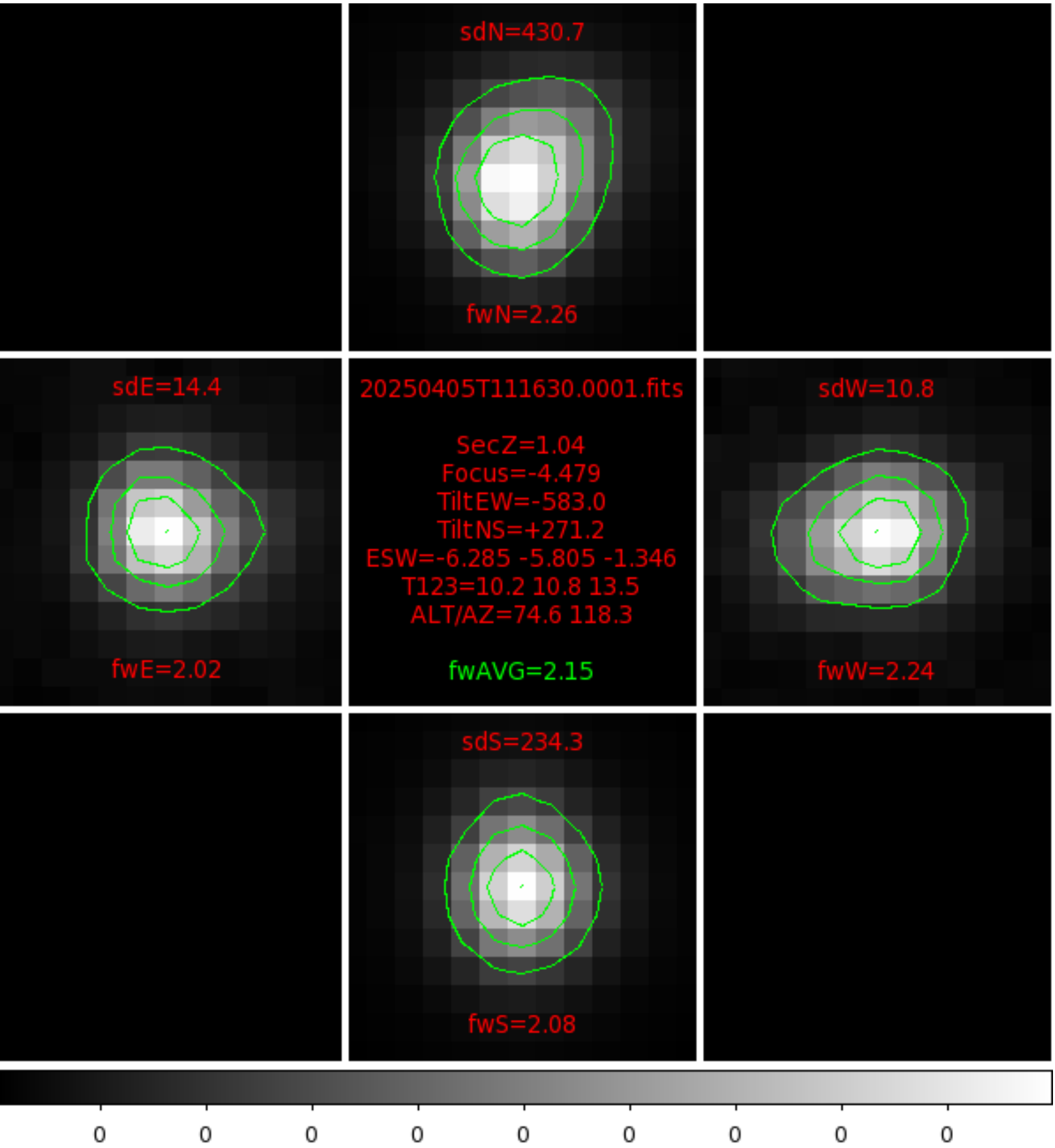
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SecZ=1.04
Focus=-4.479
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.285 -5.805 -1.346
T123=10.2 10.8 13.5
ALT/AZ=74.6 118.3
fwAVG=2.15
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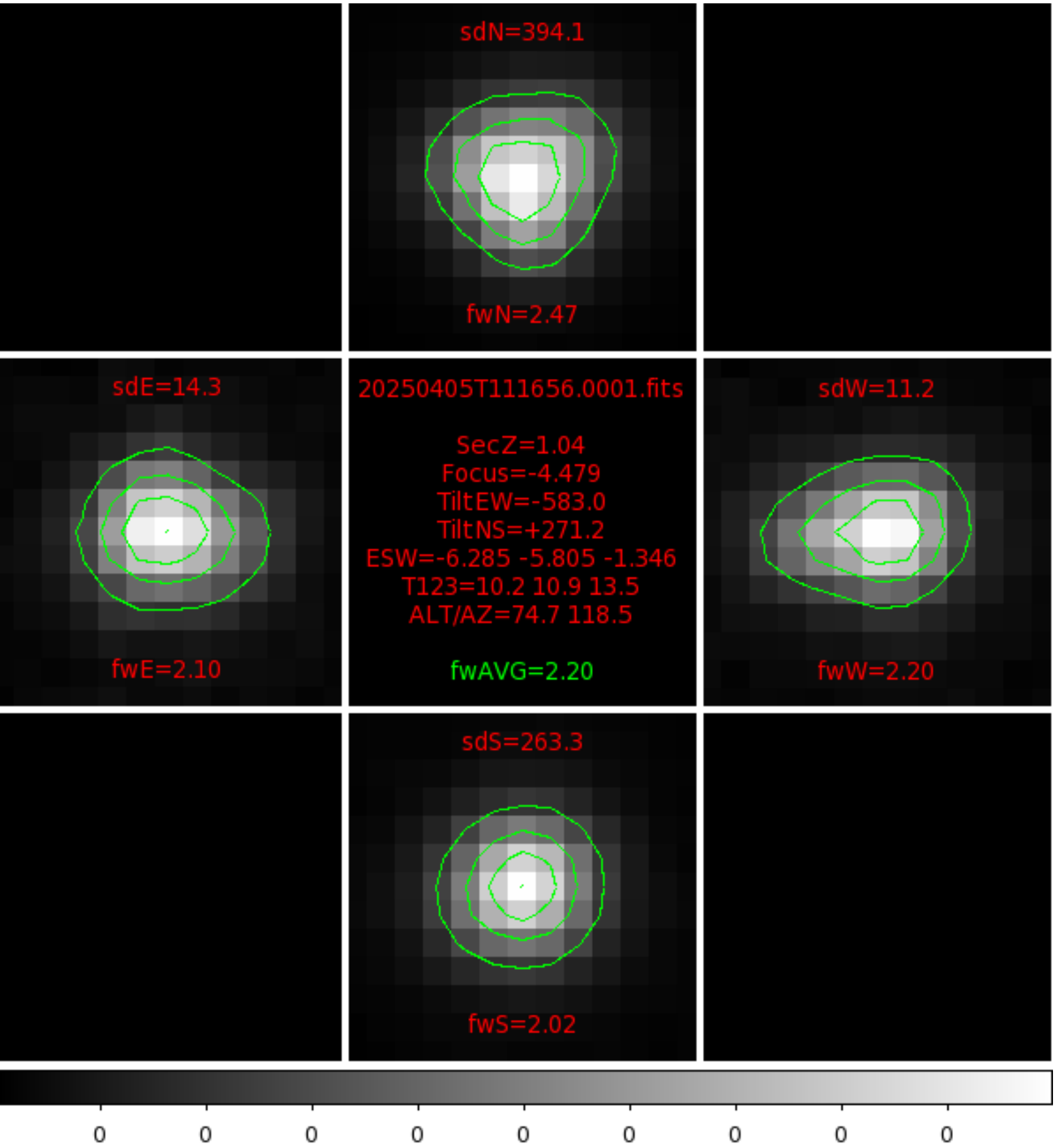
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.285 -5.805 -1.346
T123=10.2 10.9 13.5
ALT/AZ=74.7 118.5
fwAVG=2.20
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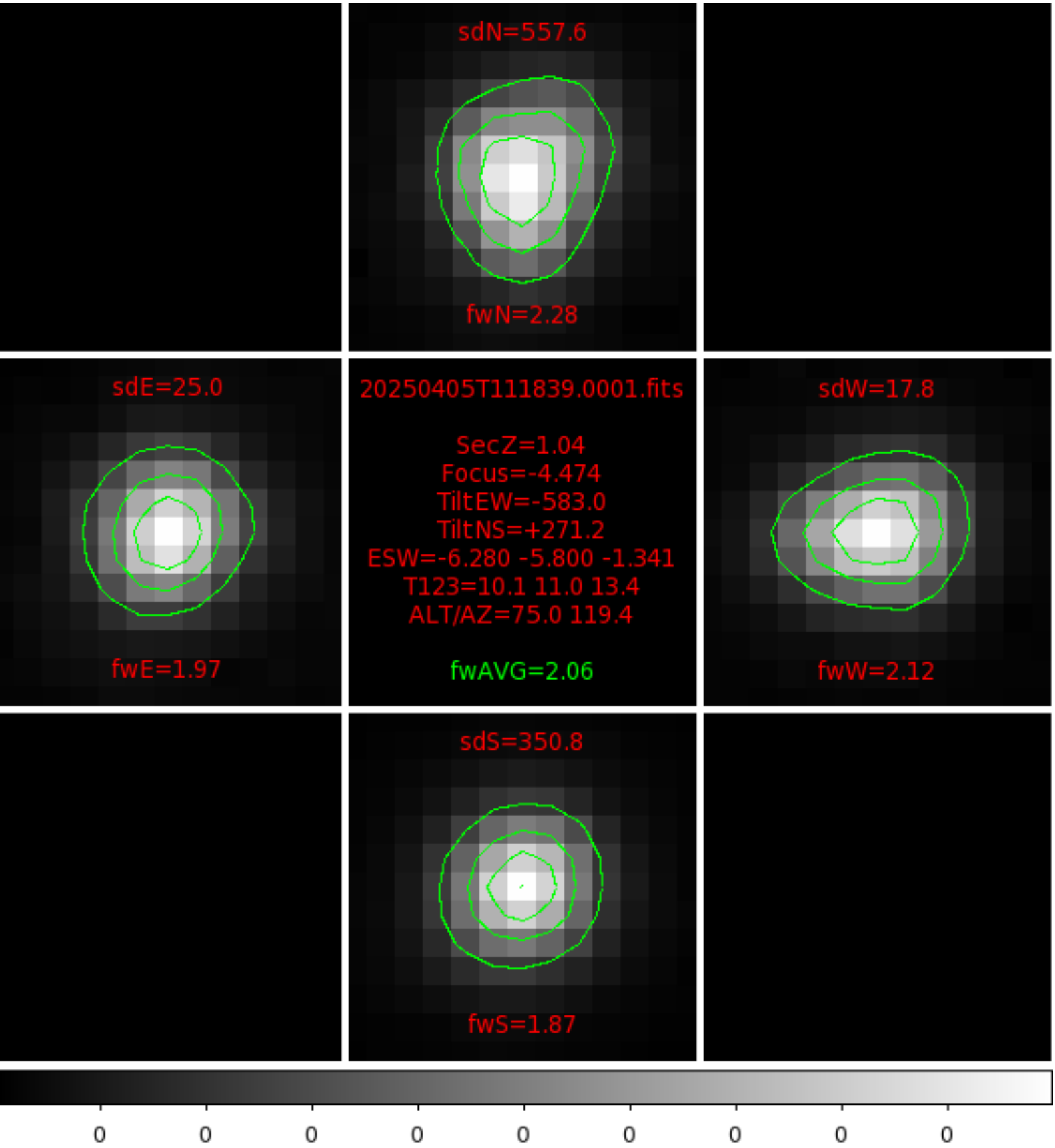
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fwE=1.97
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Focus=-4.474
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.280 -5.800 -1.341
T123=10.1 11.0 13.4
ALT/AZ=75.0 119.4
fwAVG=2.06
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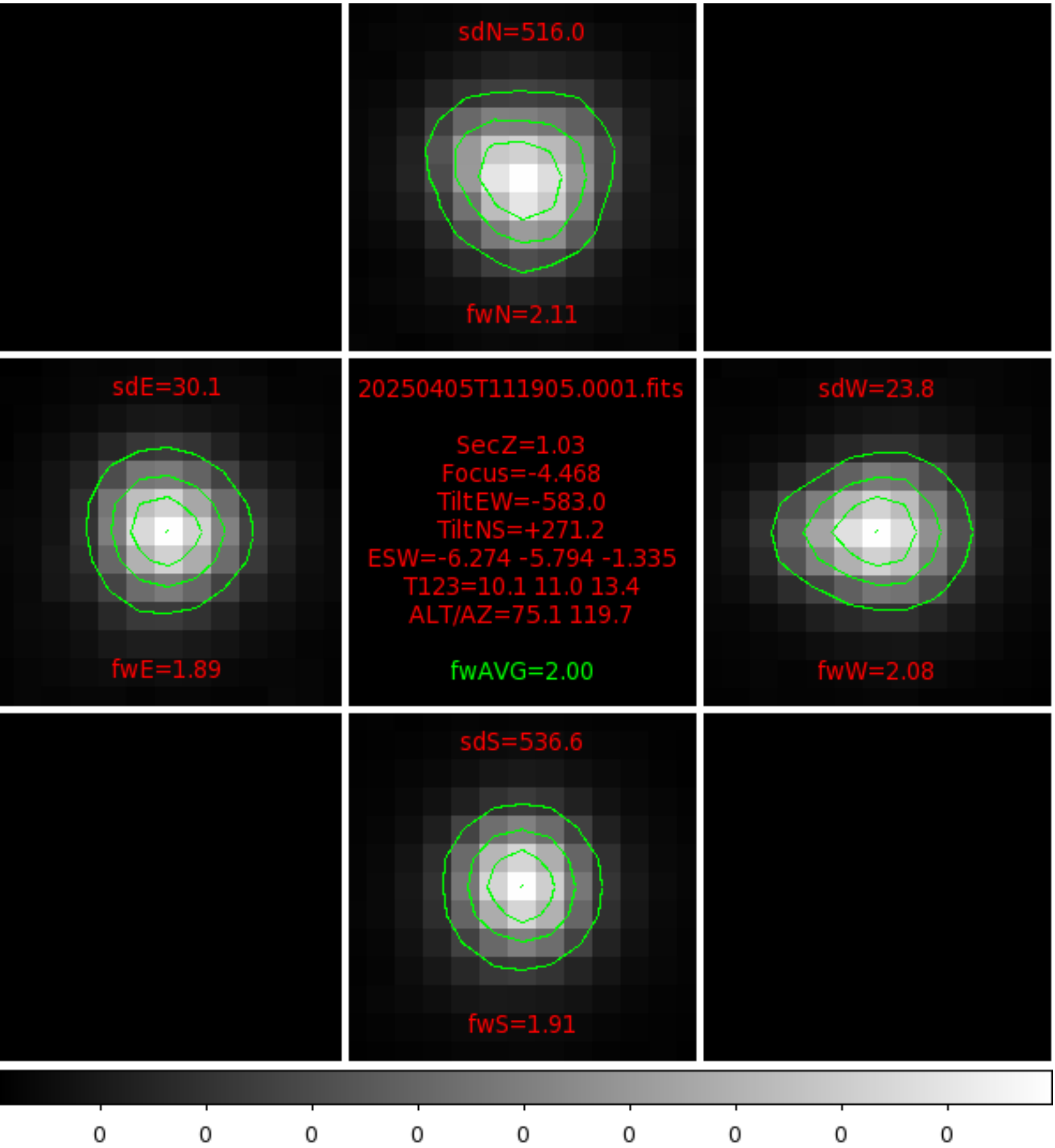
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fwE=1.89
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SecZ=1.03
Focus=-4.468
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.274 -5.794 -1.335
T123=10.1 11.0 13.4
ALT/AZ=75.1 119.7
fwAVG=2.00
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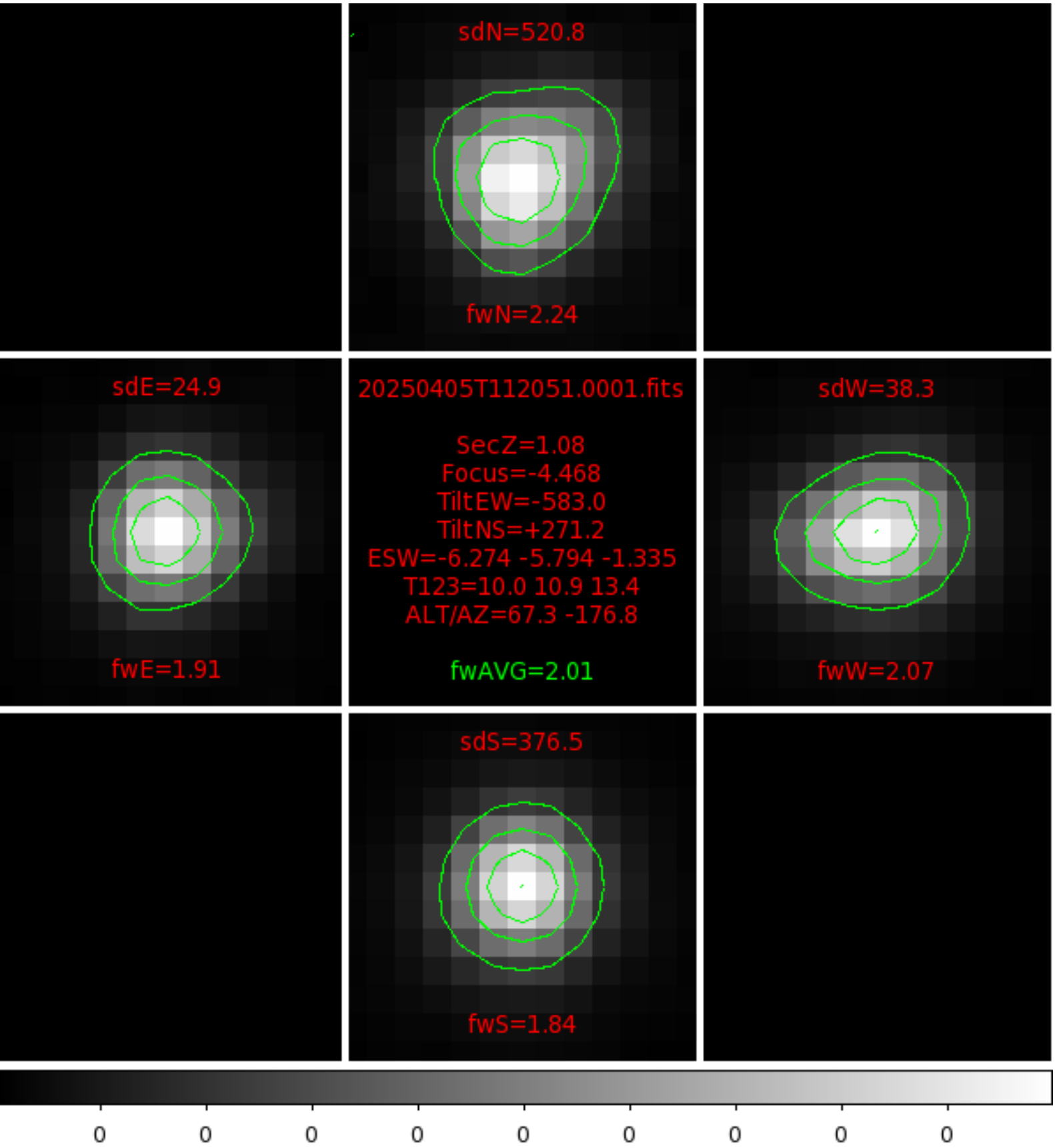
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fwE=1.91
20250405T112051.0001.fits
SecZ=1.08
Focus=-4.468
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.274 -5.794 -1.335
T123=10.0 10.9 13.4
ALT/AZ=67.3 -176.8
fwAVG=2.01
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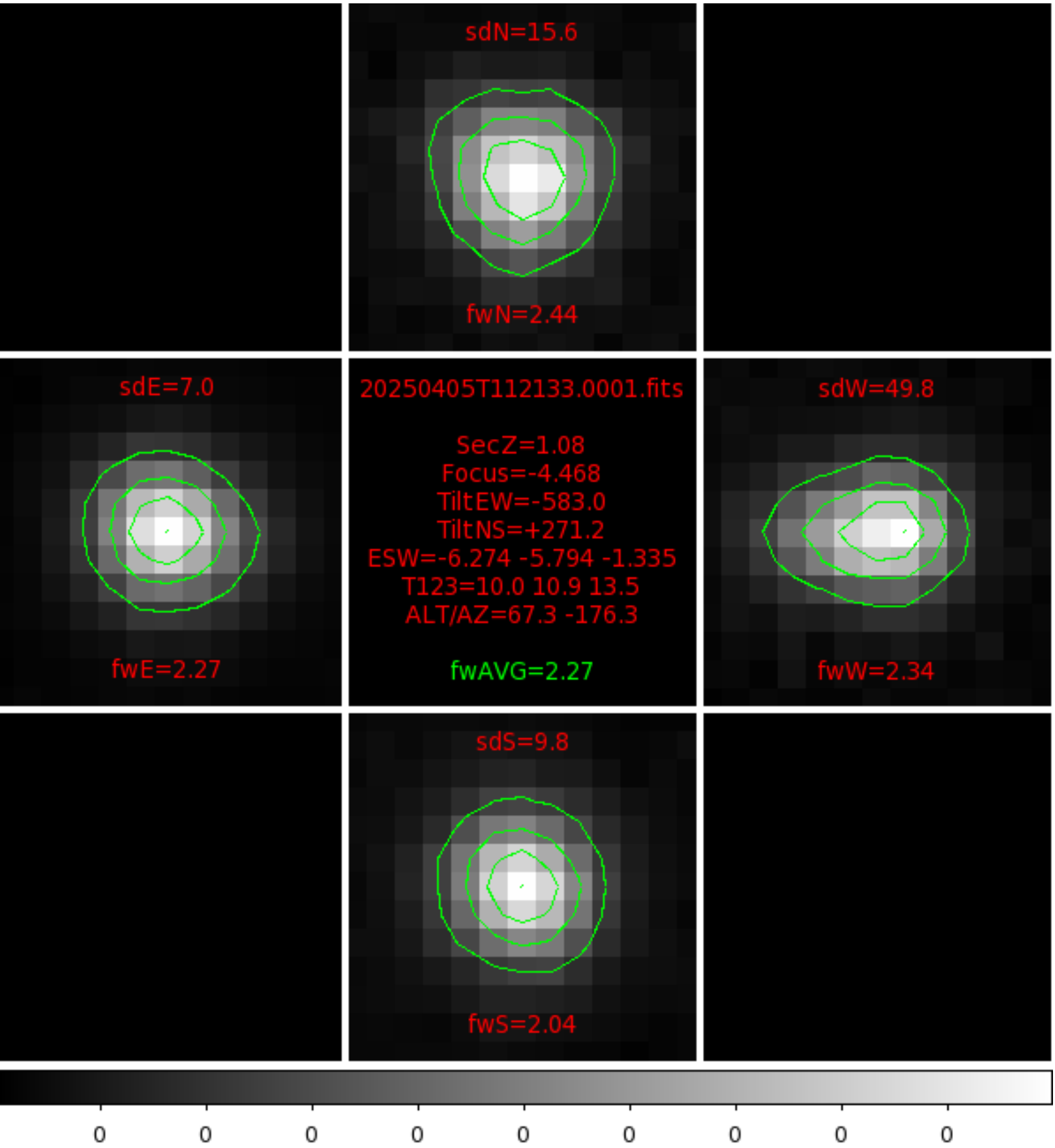
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SecZ=1.08
Focus=-4.468
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.274 -5.794 -1.335
T123=10.0 10.9 13.5
ALT/AZ=67.3 -176.3
fwAVG=2.27
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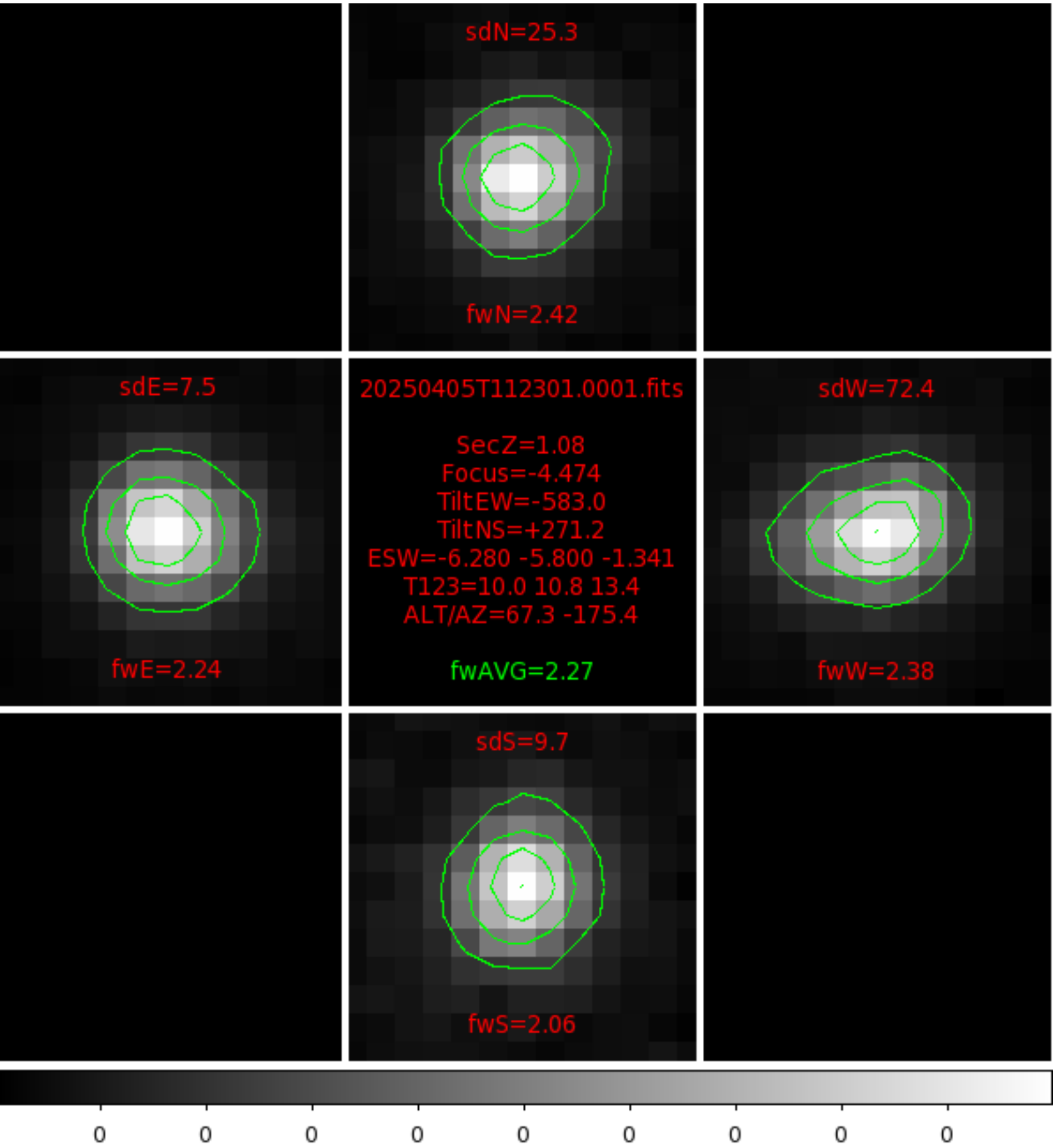
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sdE=7.5
fwE=2.24
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SecZ=1.08
Focus=-4.474
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.280 -5.800 -1.341
T123=10.0 10.8 13.4
ALT/AZ=67.3 -175.4
fwAVG=2.27
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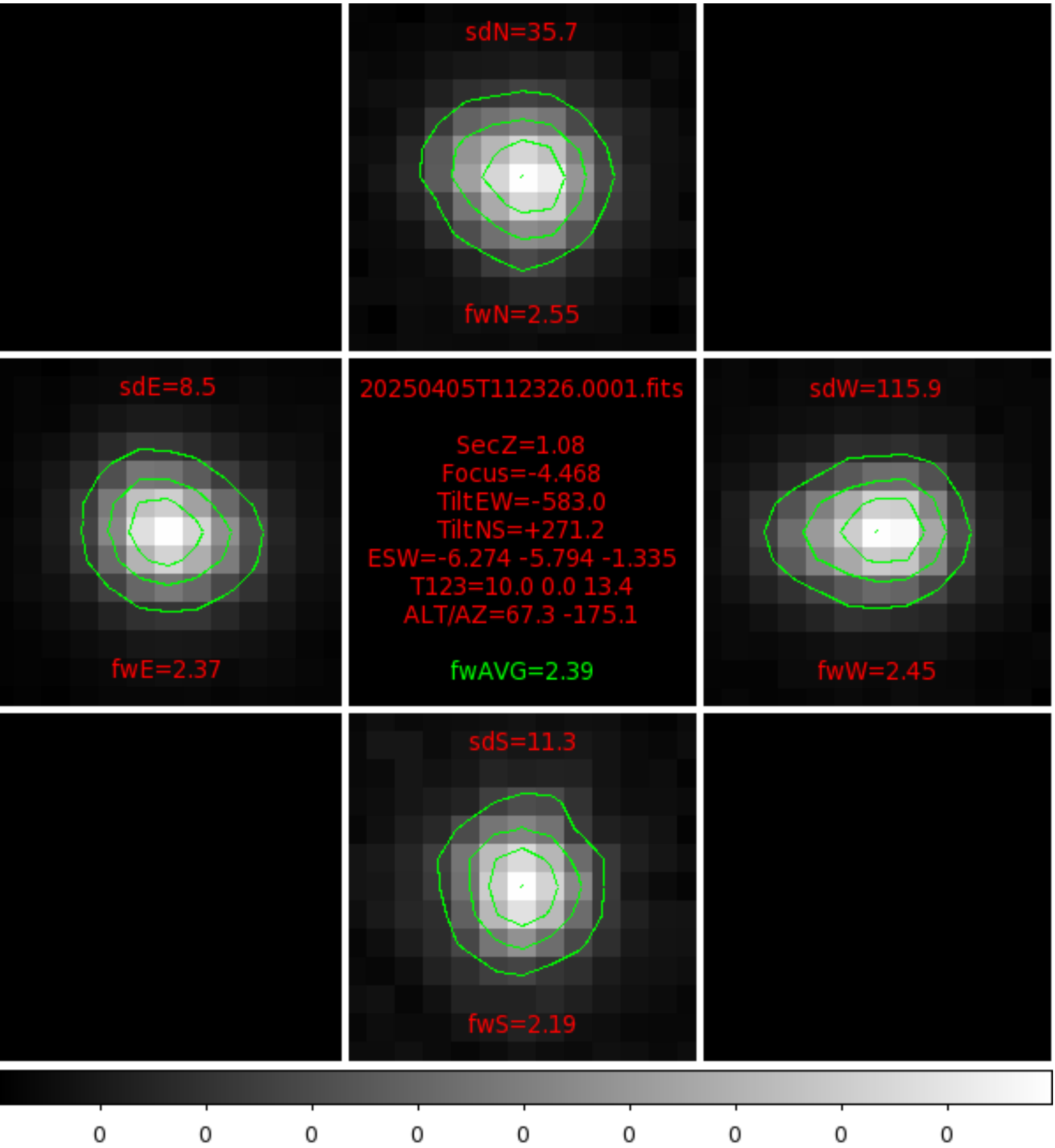
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fwE=2.37
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SecZ=1.08
Focus=-4.468
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.274 -5.794 -1.335
T123=10.0 0.0 13.4
ALT/AZ=67.3 -175.1
fwAVG=2.39
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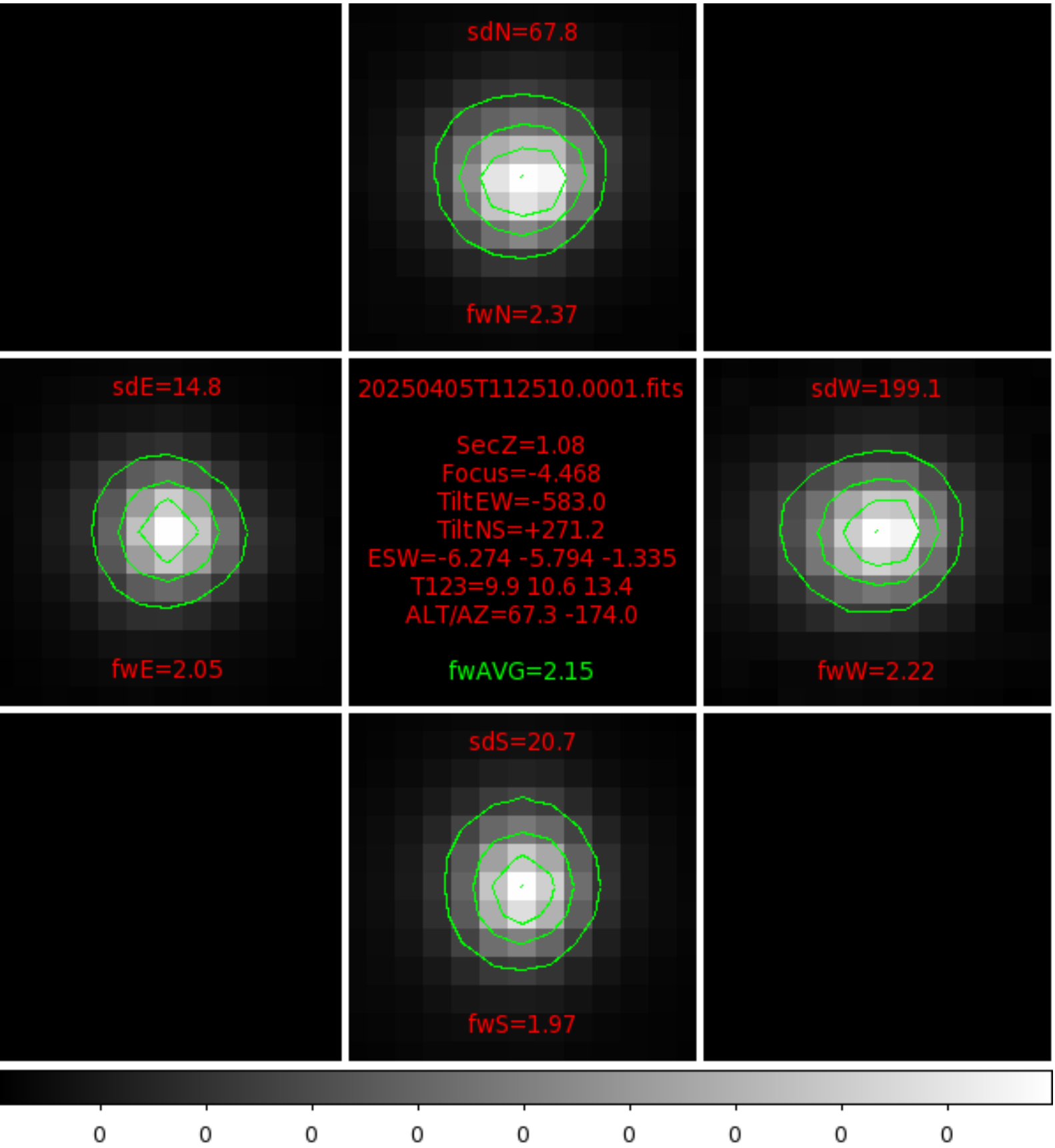
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SecZ=1.08
Focus=-4.468
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.274 -5.794 -1.335
T123=9.9 10.6 13.4
ALT/AZ=67.3 -174.0
fwAVG=2.15
sdW=199.1
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sdS=20.7
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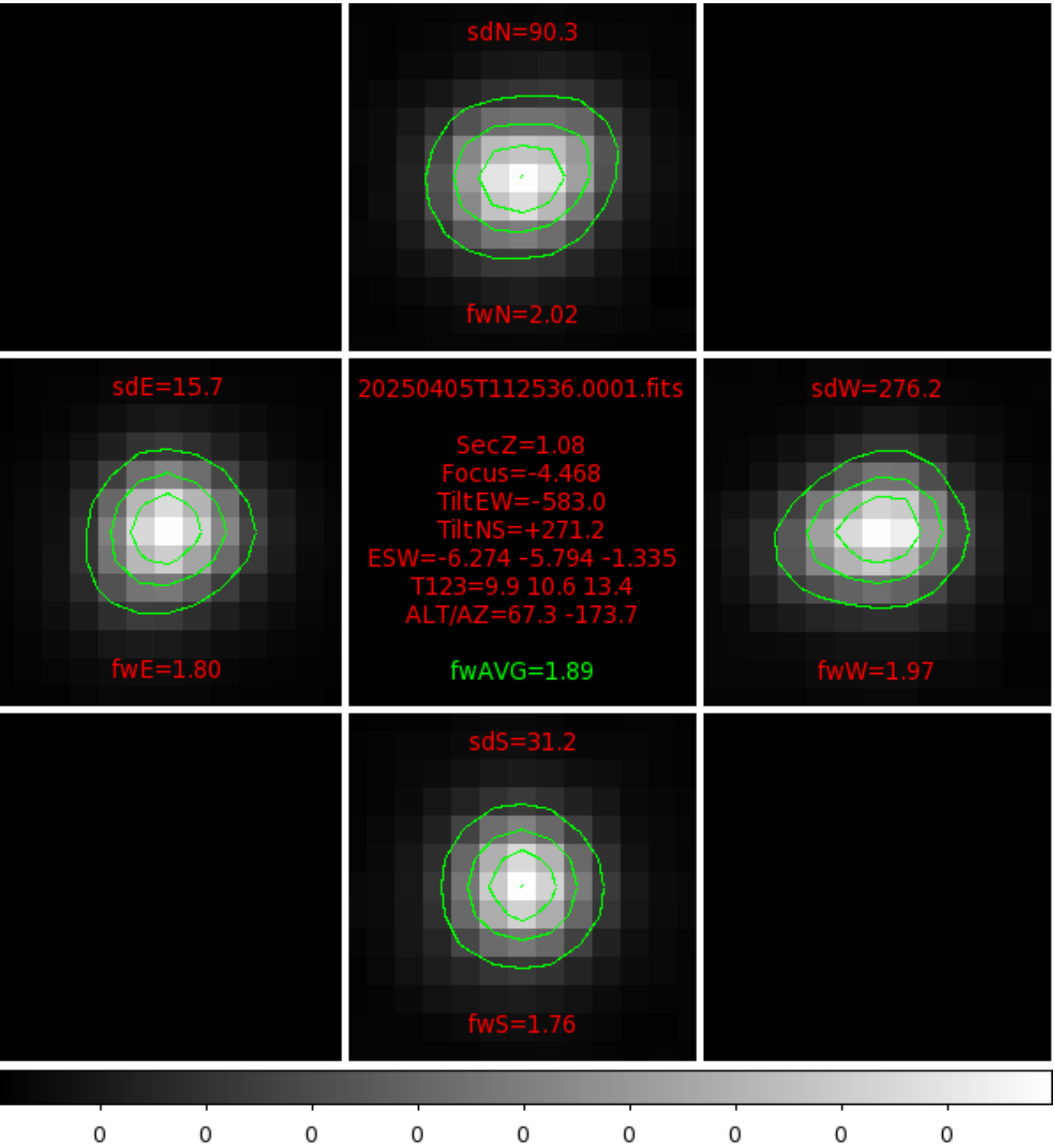
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SecZ=1.08
Focus=-4.468
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.274 -5.794 -1.335
T123=9.9 10.6 13.4
ALT/AZ=67.3 -173.7
fwAVG=1.89
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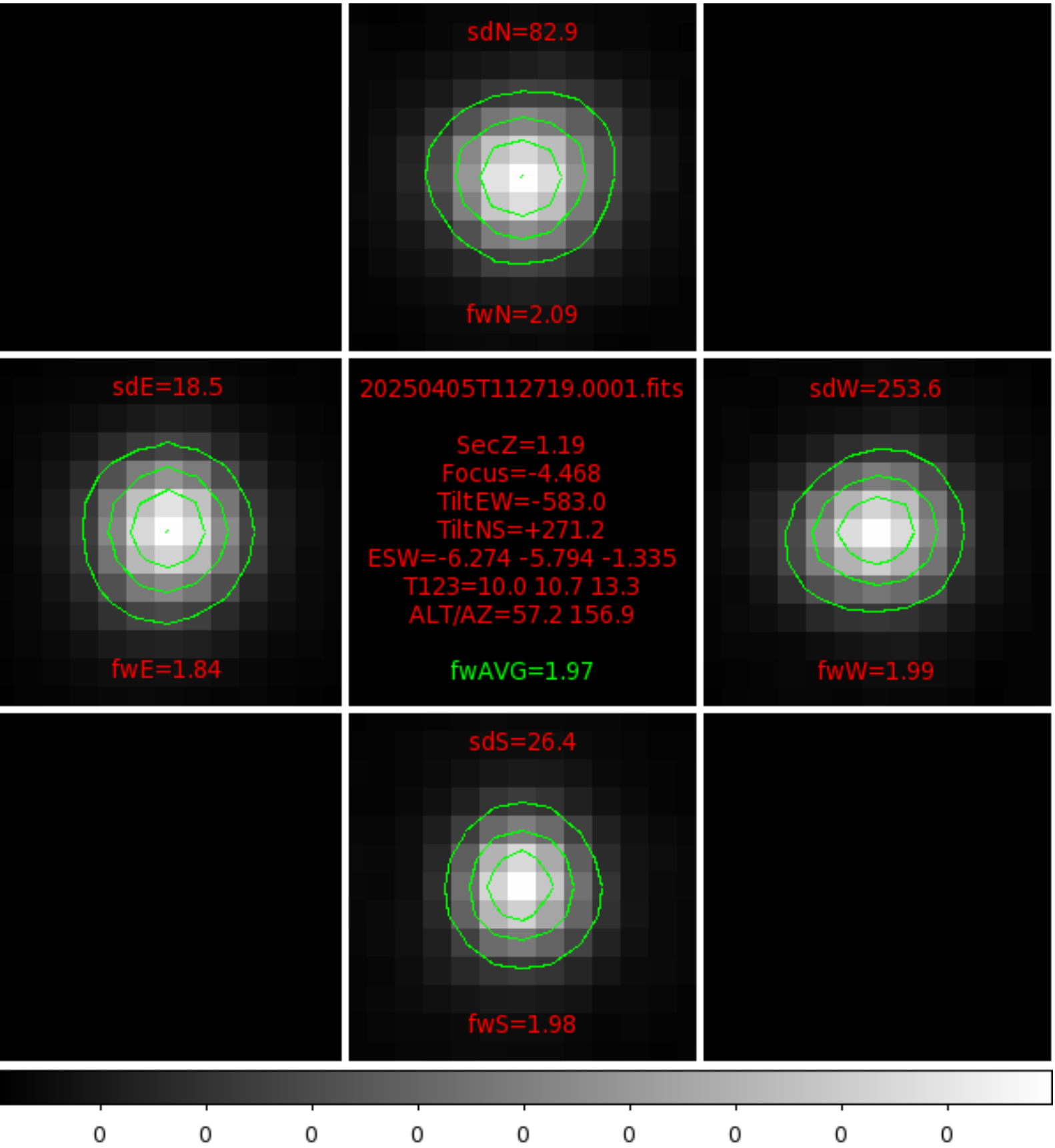
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sdE=18.5
fwE=1.84
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SecZ=1.19
Focus=-4.468
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.274 -5.794 -1.335
T123=10.0 10.7 13.3
ALT/AZ=57.2 156.9
fwAVG=1.97
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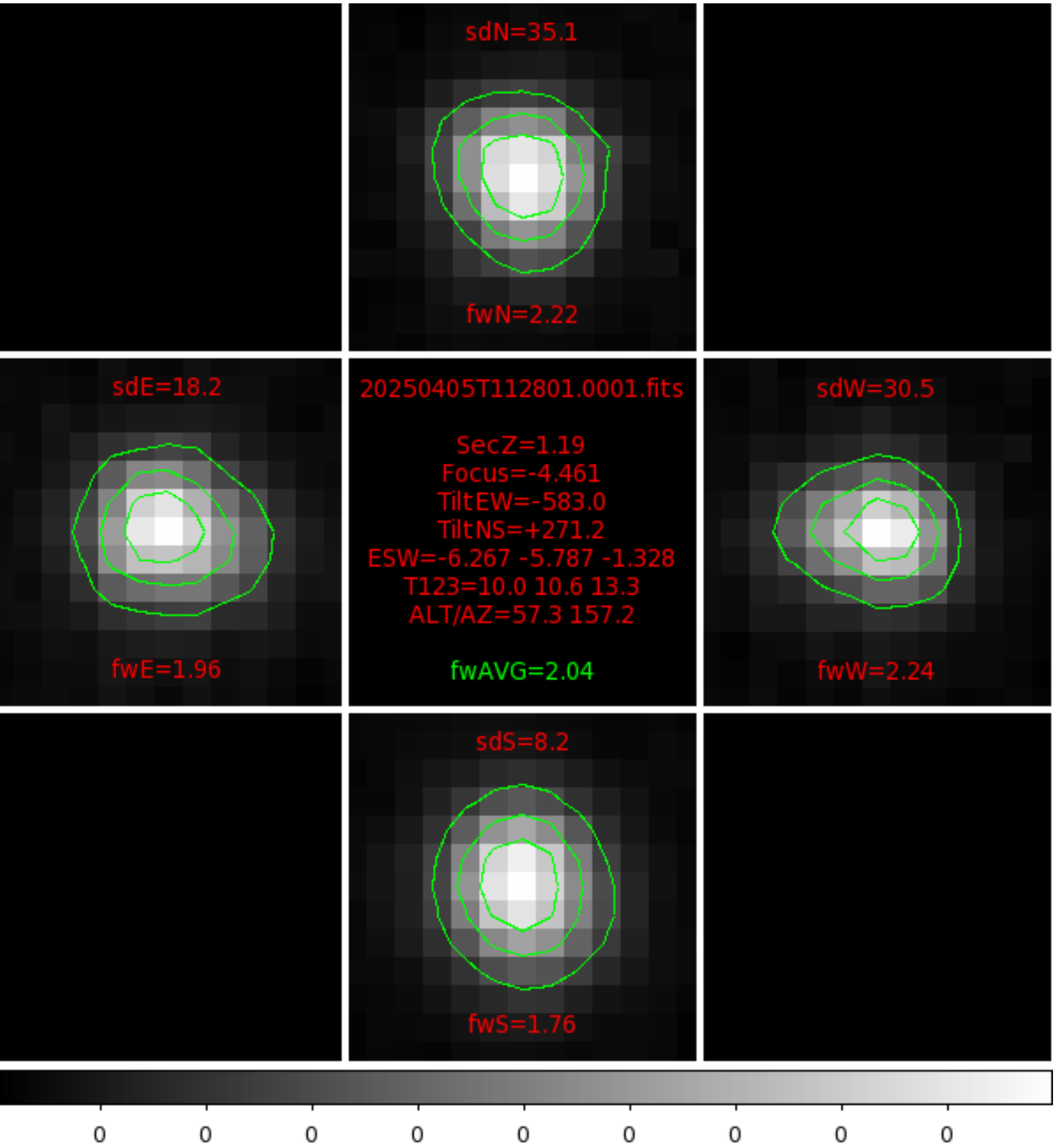
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Focus=-4.461
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.267 -5.787 -1.328
T123=10.0 10.6 13.3
ALT/AZ=57.3 157.2
fwAVG=2.04
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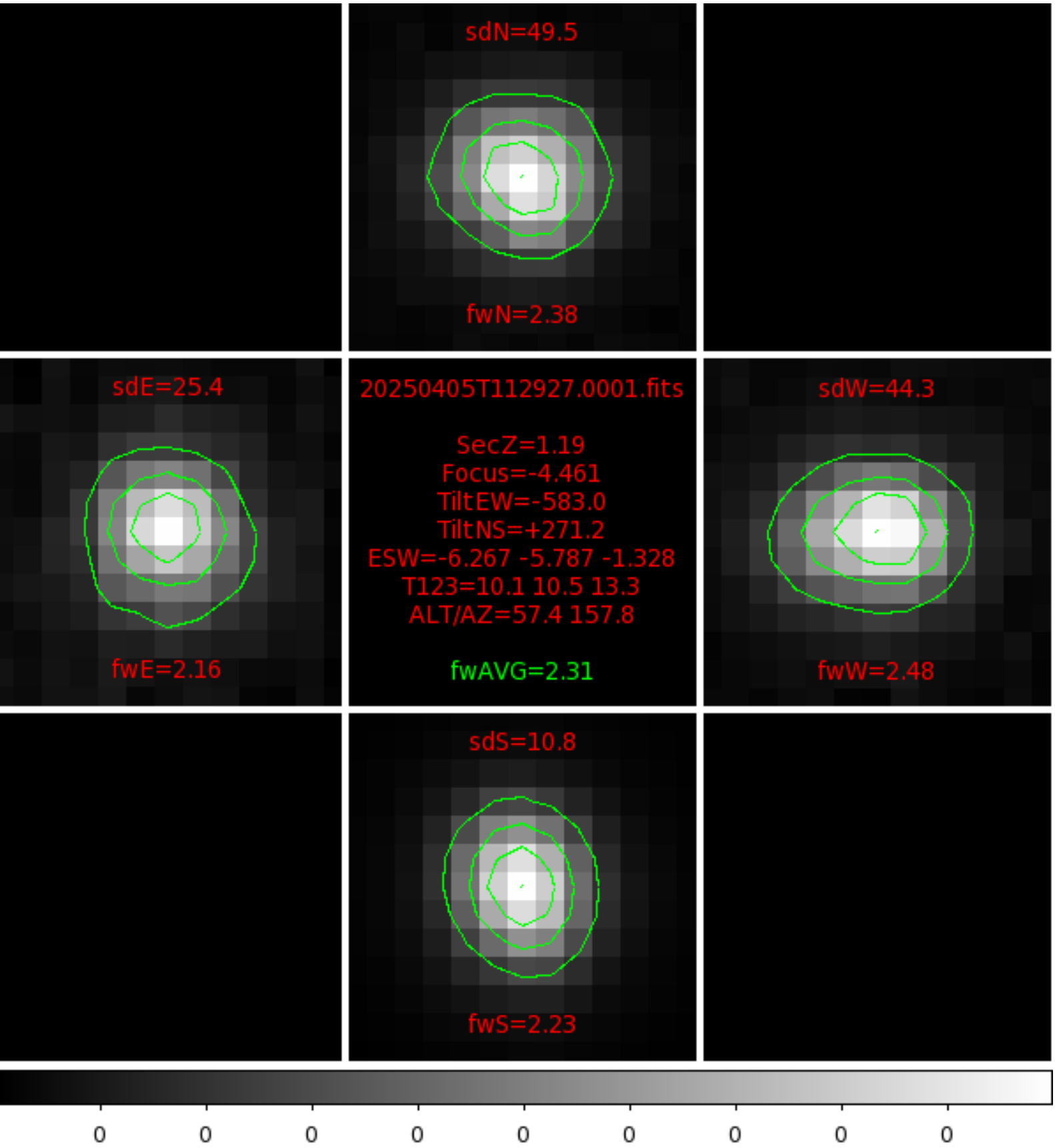
sdN=49.5
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20250405T112927.0001.fits
SecZ=1.19
Focus=-4.461
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.267 -5.787 -1.328
T123=10.1 10.5 13.3
ALT/AZ=57.4 157.8
fwAVG=2.31
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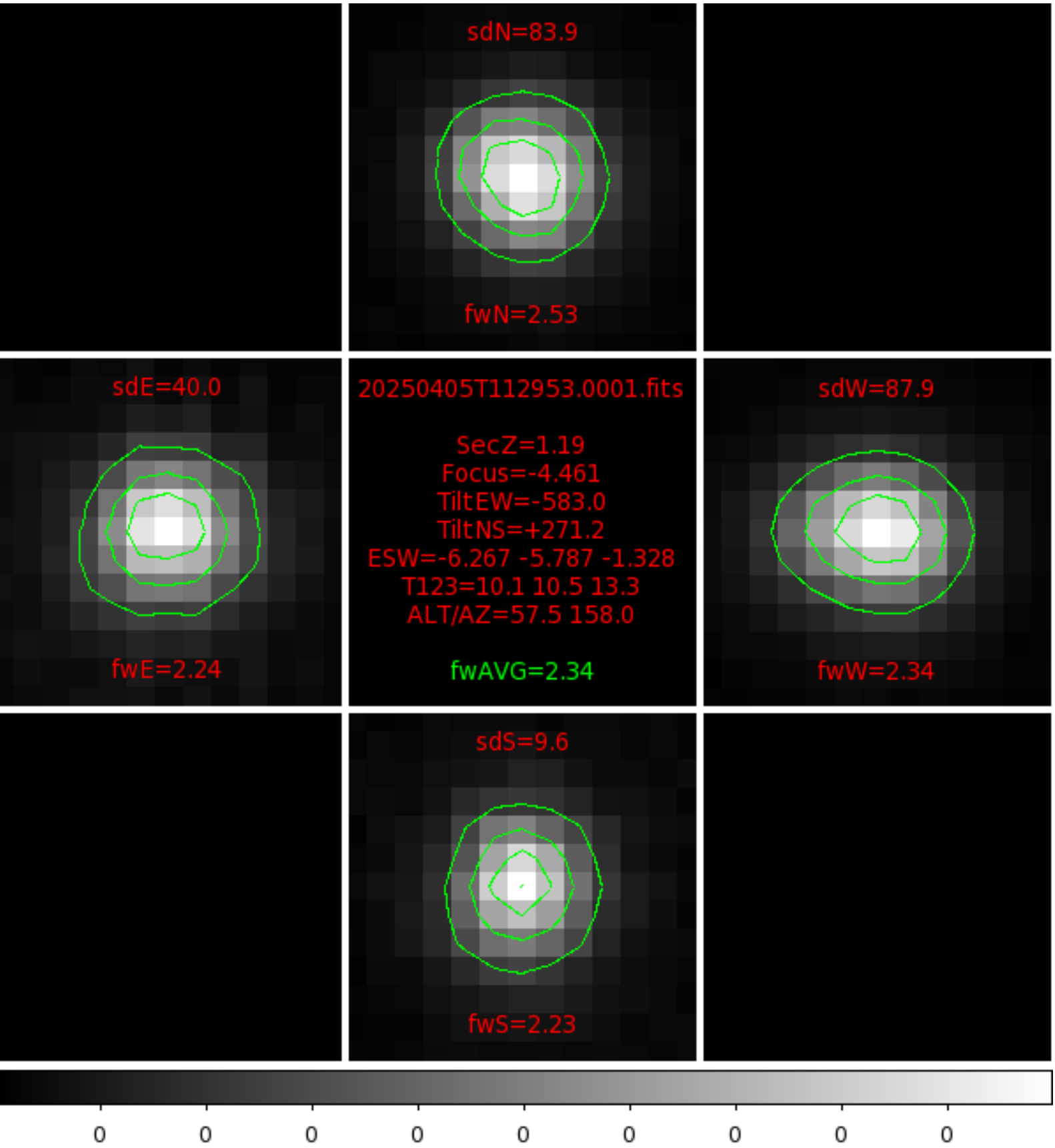
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SecZ=1.19
Focus=-4.461
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.267 -5.787 -1.328
T123=10.1 10.5 13.3
ALT/AZ=57.5 158.0
fwAVG=2.34
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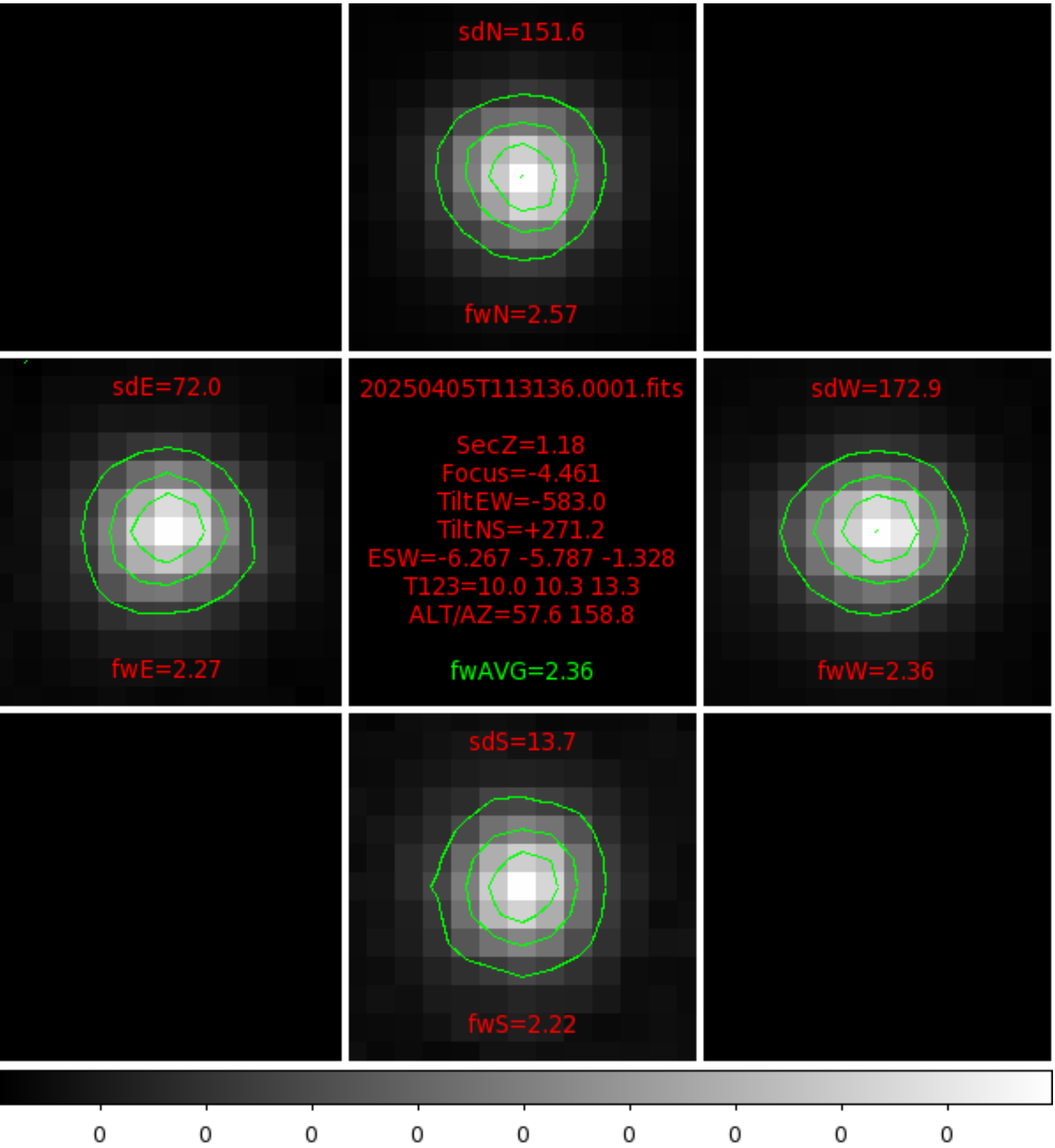
sdN=151.6
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fwE=2.27
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SecZ=1.18
Focus=-4.461
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.267 -5.787 -1.328
T123=10.0 10.3 13.3
ALT/AZ=57.6 158.8
fwAVG=2.36
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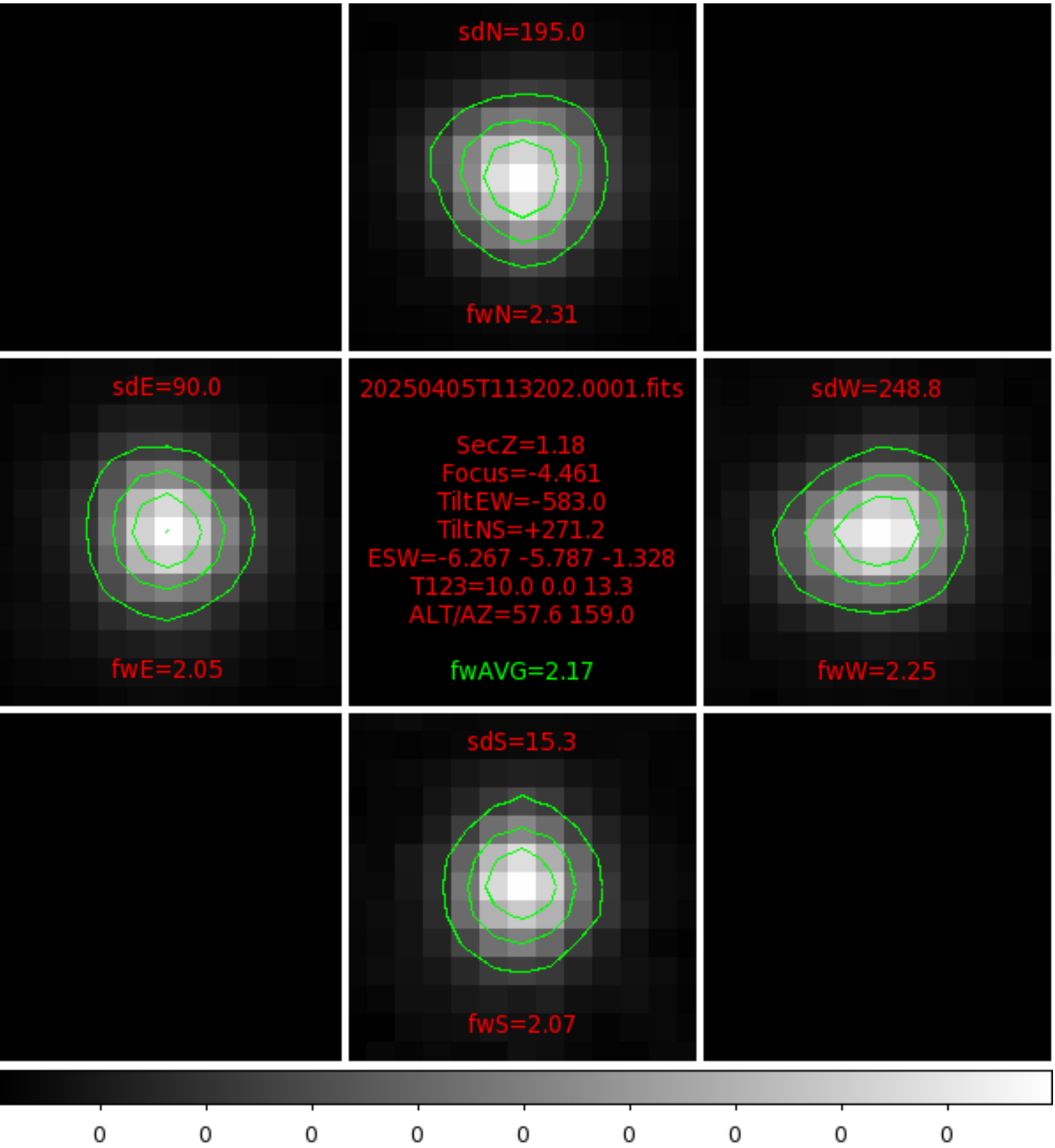
sdN=195.0
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SecZ=1.18
Focus=-4.461
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.267 -5.787 -1.328
T123=10.0 0.0 13.3
ALT/AZ=57.6 159.0
fwAVG=2.17
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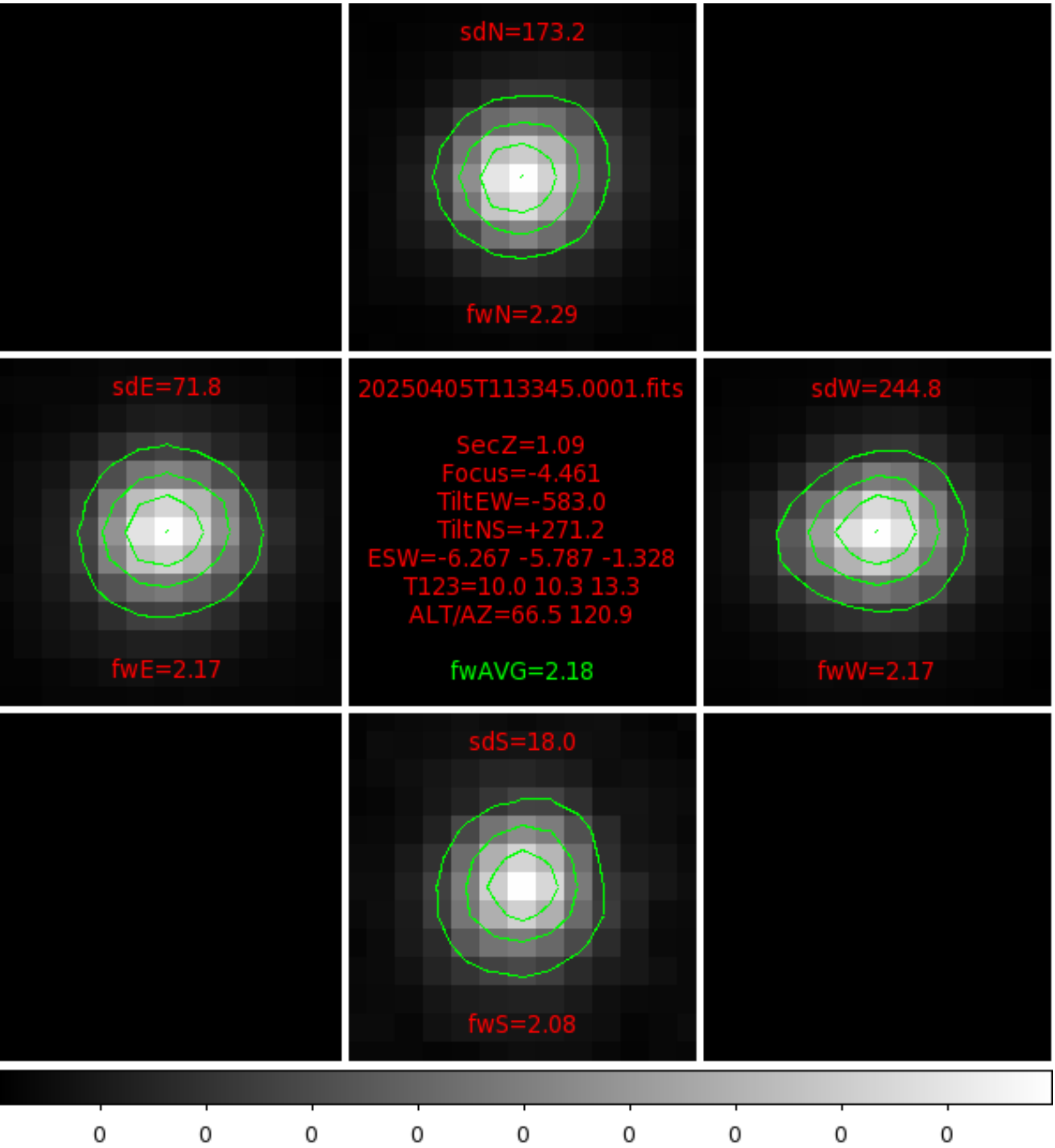
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sdE=71.8
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SecZ=1.09
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.267 -5.787 -1.328
T123=10.0 10.3 13.3
ALT/AZ=66.5 120.9
fwAVG=2.18
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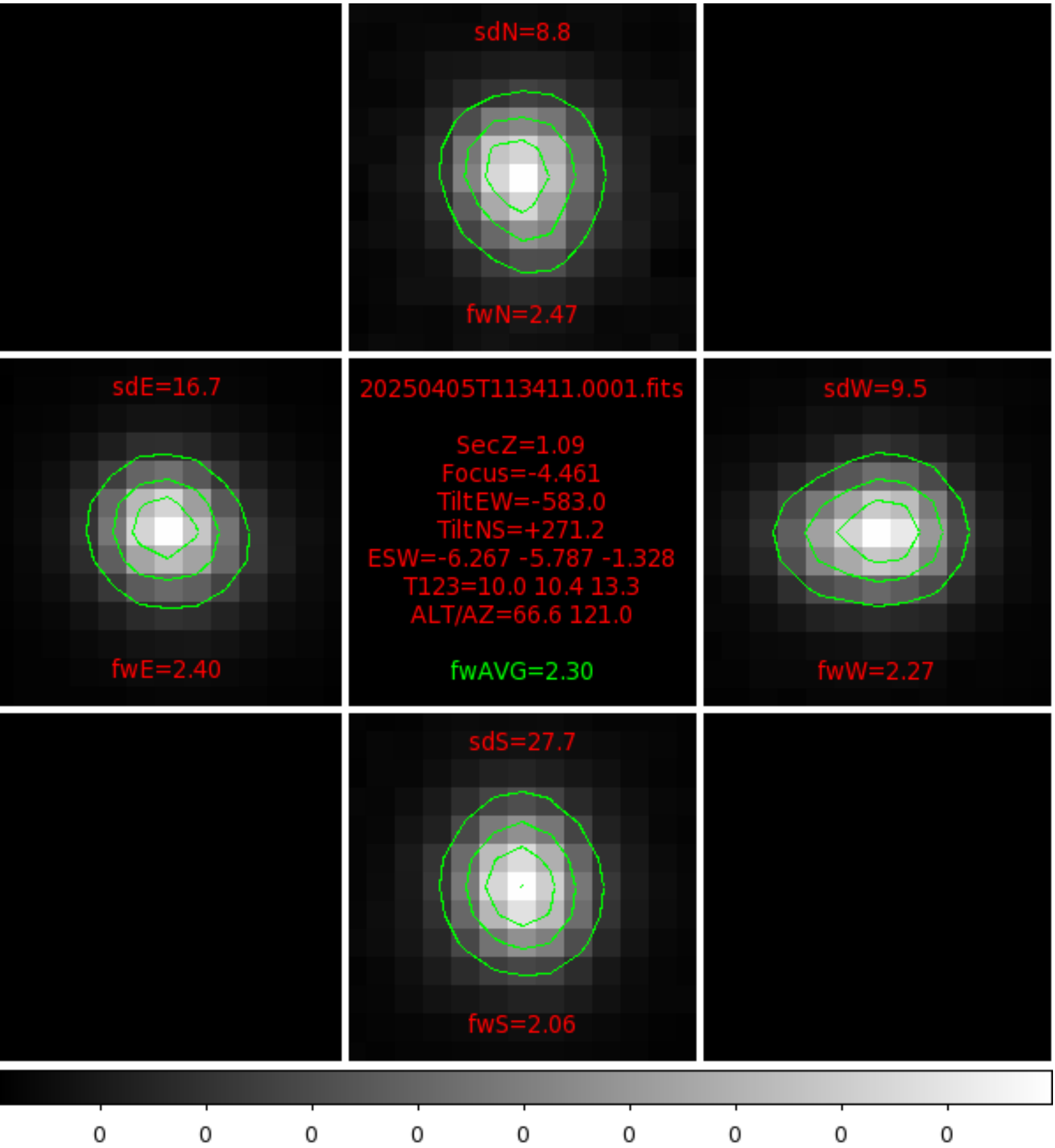
sdN=8.8
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sdE=16.7
fwE=2.40
20250405T113411.0001.fits
SecZ=1.09
Focus=-4.461
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.267 -5.787 -1.328
T123=10.0 10.4 13.3
ALT/AZ=66.6 121.0
fwAVG=2.30
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sdS=27.7
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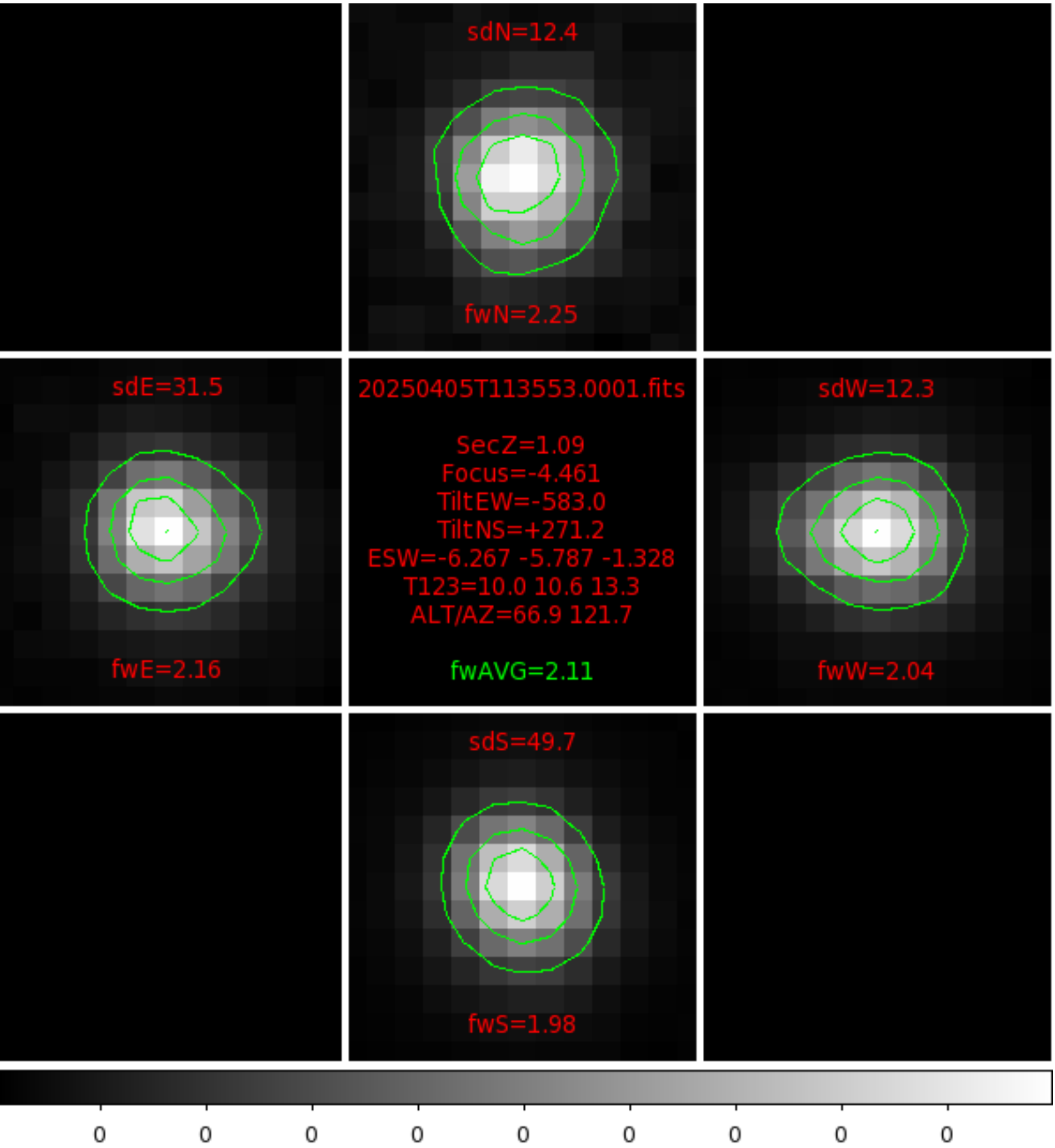
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SecZ=1.09
Focus=-4.461
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.267 -5.787 -1.328
T123=10.0 10.6 13.3
ALT/AZ=66.9 121.7
fwAVG=2.11
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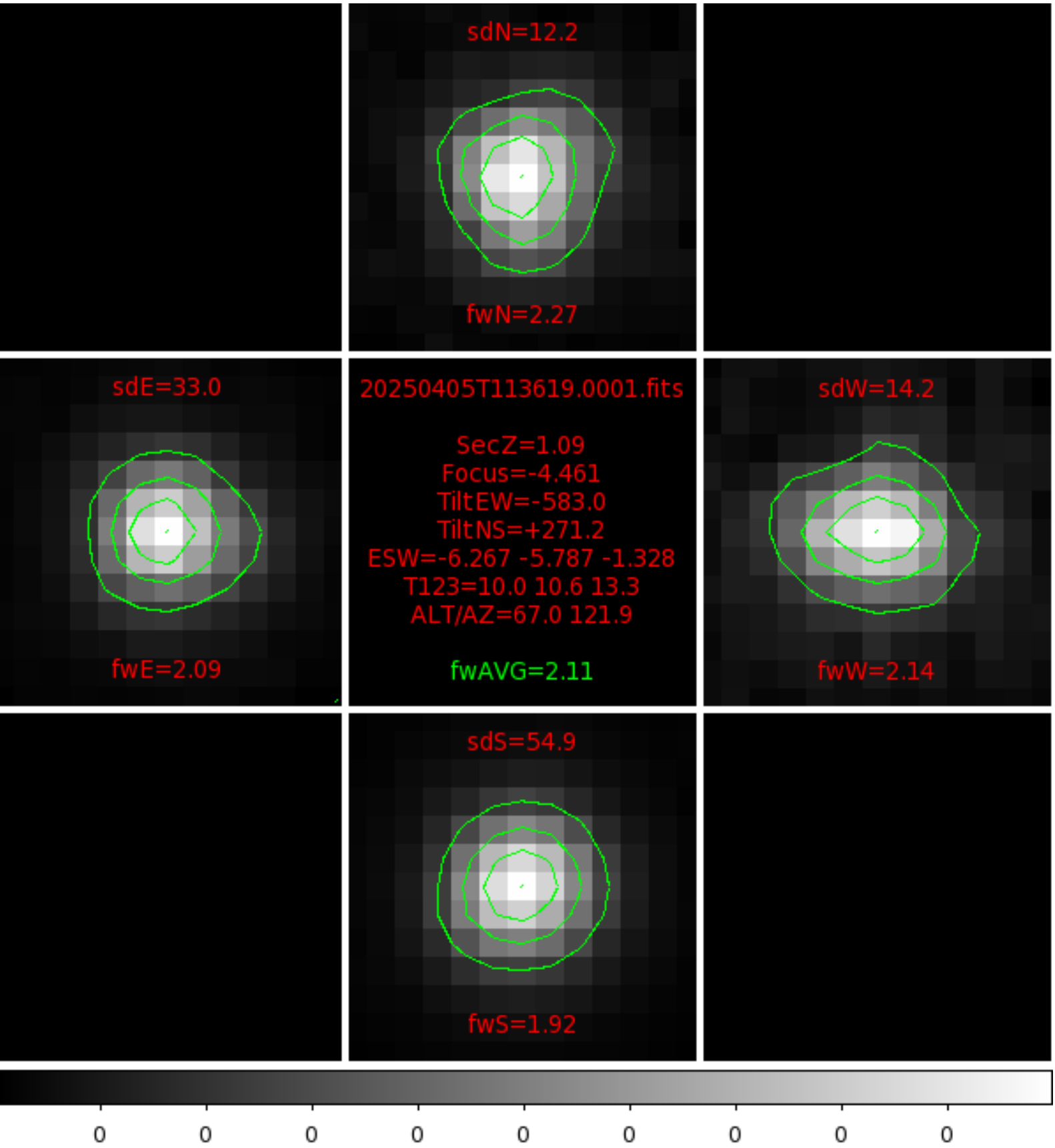
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SecZ=1.09
Focus=-4.461
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.267 -5.787 -1.328
T123=10.0 10.6 13.3
ALT/AZ=67.0 121.9
fwAVG=2.11
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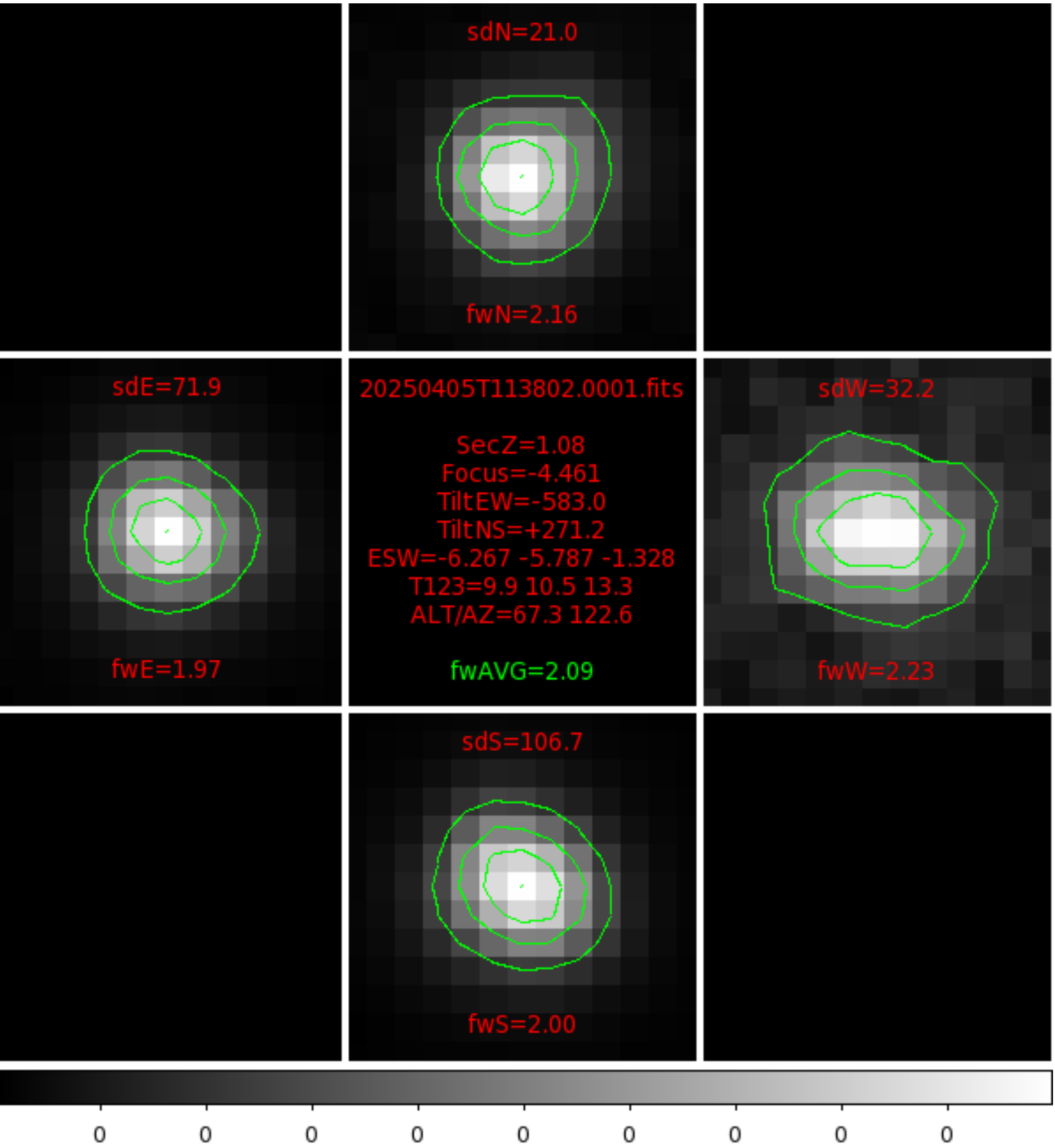
sdN=21.0
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sdE=71.9
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SecZ=1.08
Focus=-4.461
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.267 -5.787 -1.328
T123=9.9 10.5 13.3
ALT/AZ=67.3 122.6
fwAVG=2.09
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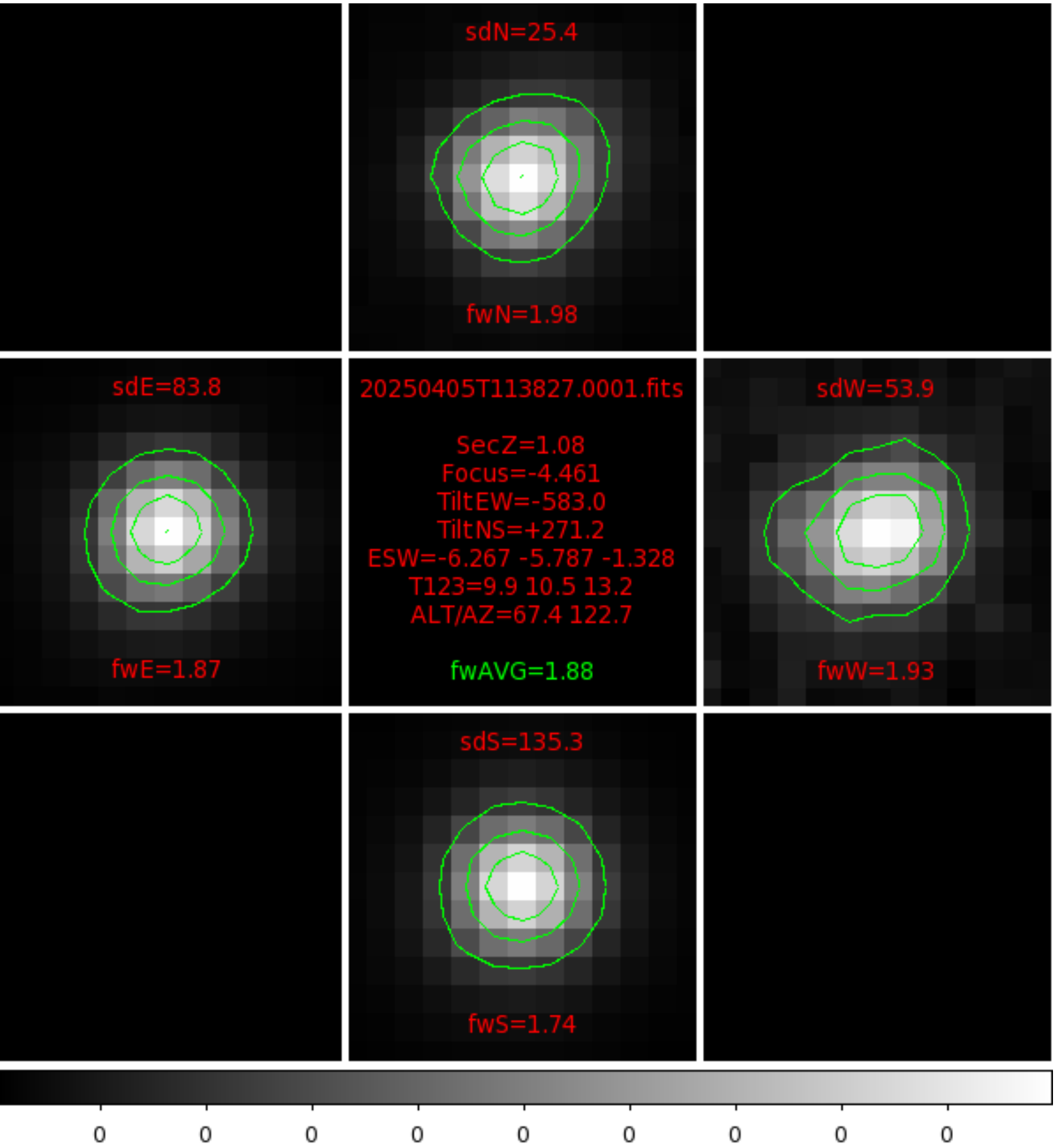
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fwE=1.87
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SecZ=1.08
Focus=-4.461
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.267 -5.787 -1.328
T123=9.9 10.5 13.2
ALT/AZ=67.4 122.7
fwAVG=1.88
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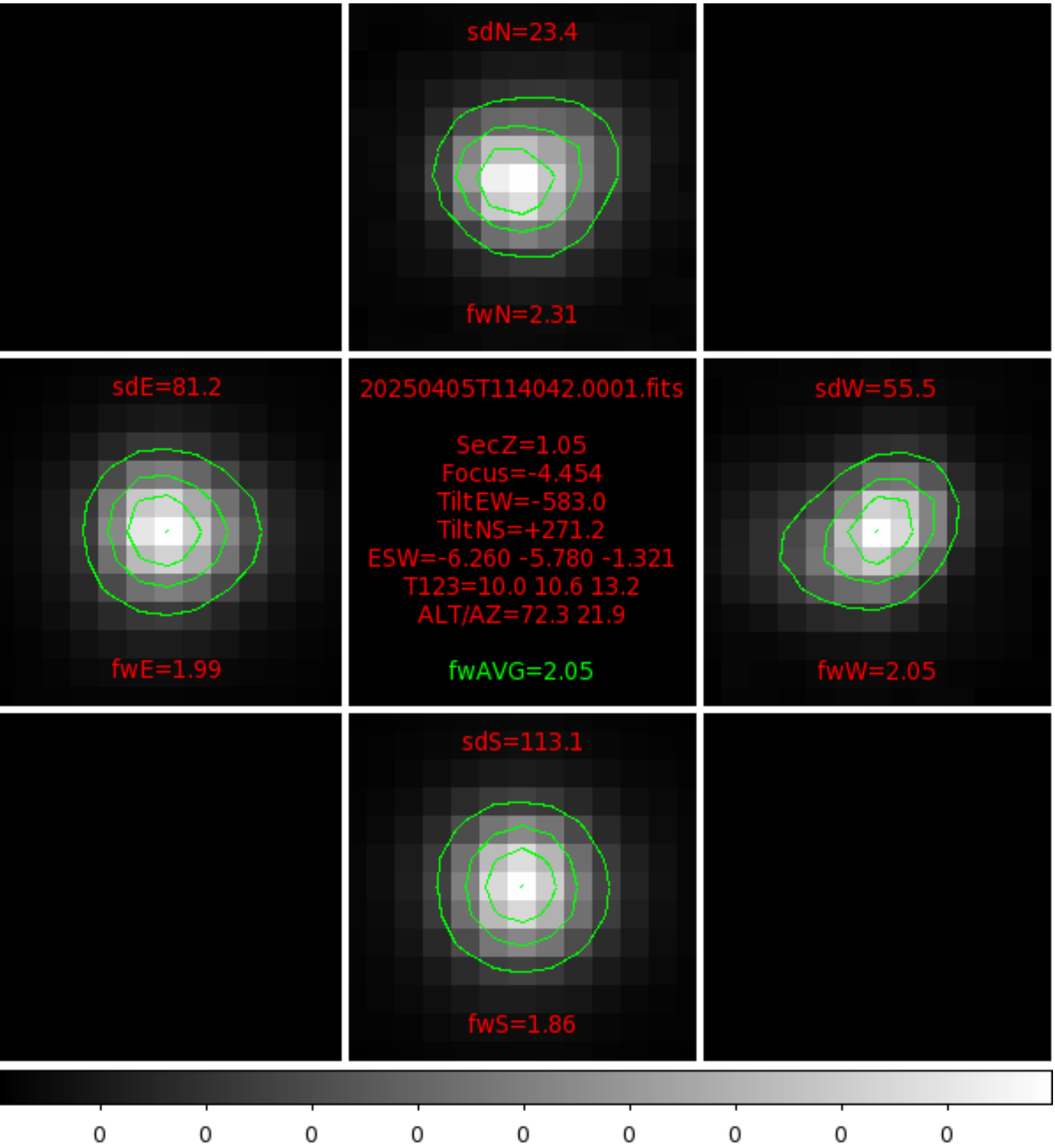
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SecZ=1.05
Focus=-4.454
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.260 -5.780 -1.321
T123=10.0 10.6 13.2
ALT/AZ=72.3 21.9
fwAVG=2.05
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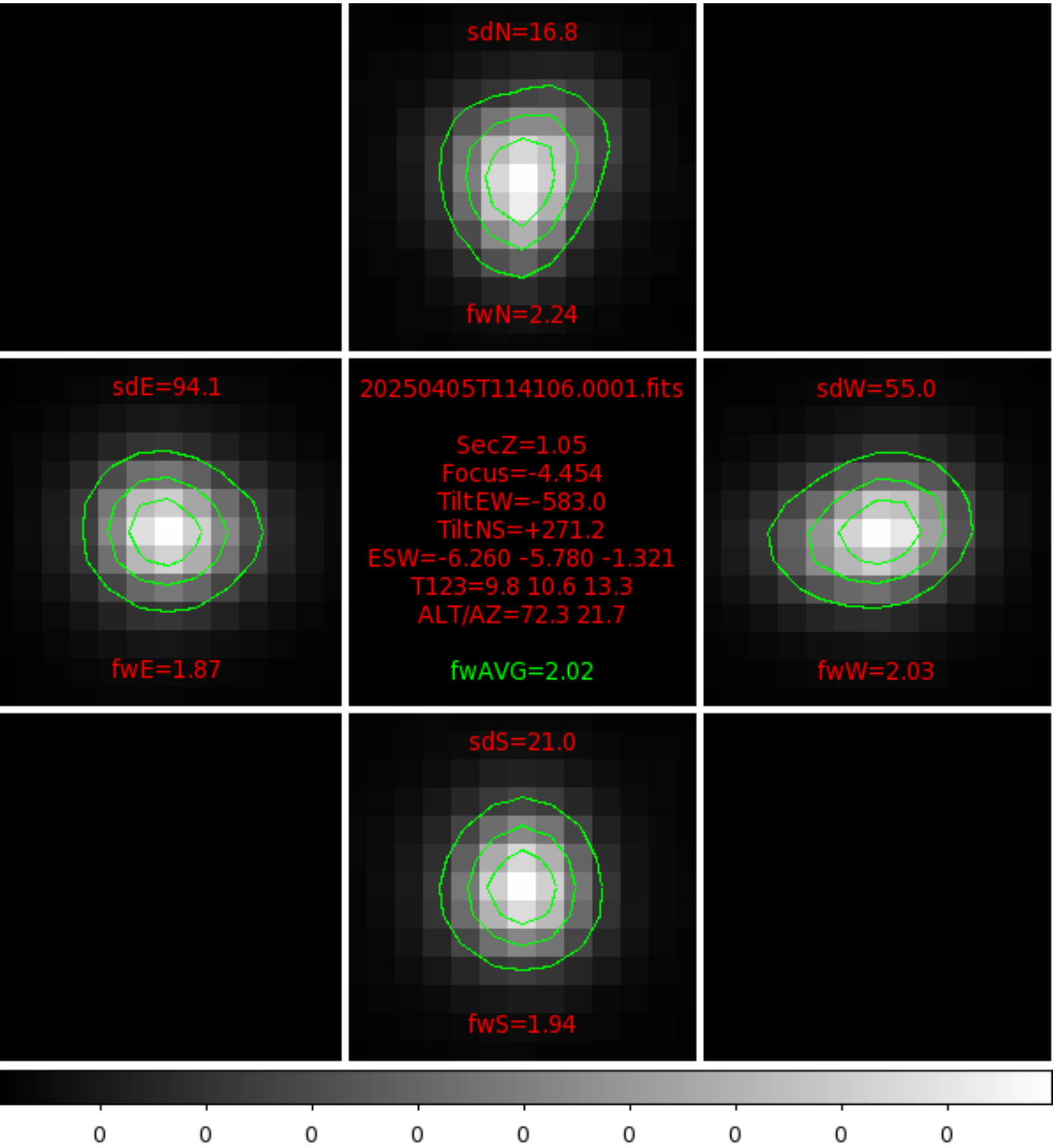
sdN=16.8
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fwE=1.87
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SecZ=1.05
Focus=-4.454
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.260 -5.780 -1.321
T123=9.8 10.6 13.3
ALT/AZ=72.3 21.7
fwAVG=2.02
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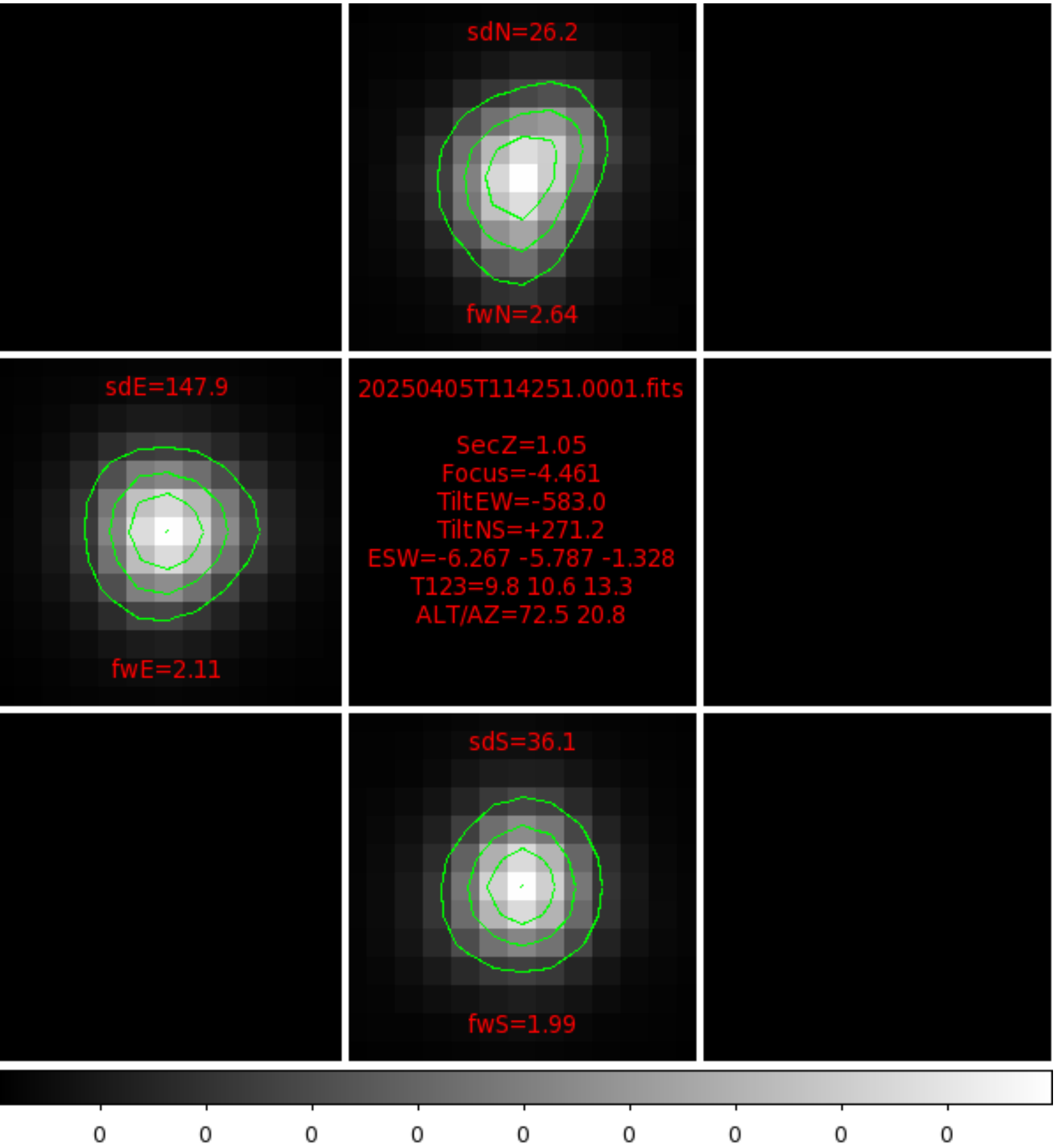
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20250405T114251.0001.fits
SecZ=1.05
Focus=-4.461
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.267 -5.787 -1.328
T123=9.8 10.6 13.3
ALT/AZ=72.5 20.8
sdS=36.1
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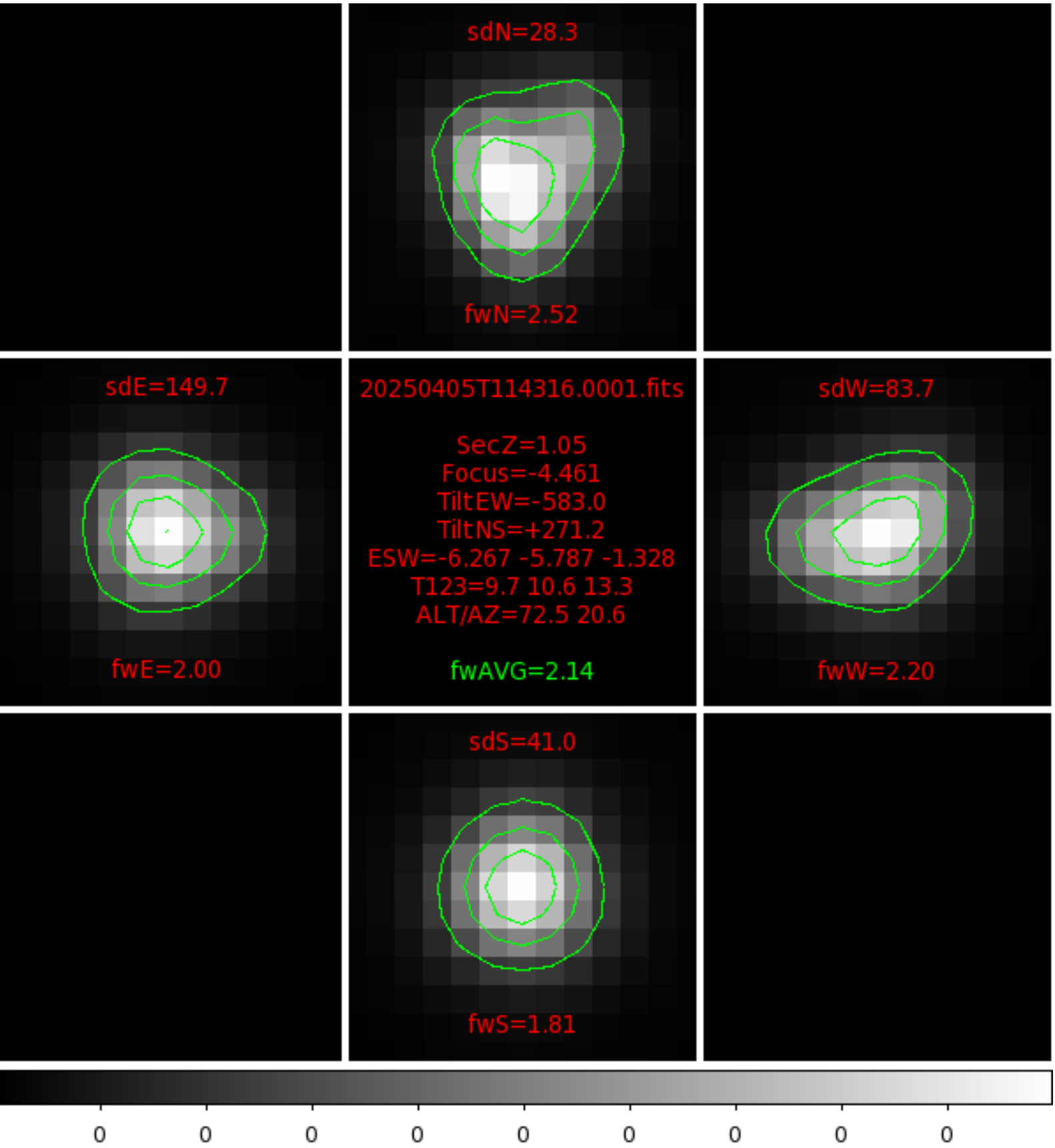
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sdE=149.7
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SecZ=1.05
Focus=-4.461
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.267 -5.787 -1.328
T123=9.7 10.6 13.3
ALT/AZ=72.5 20.6
fwAVG=2.14
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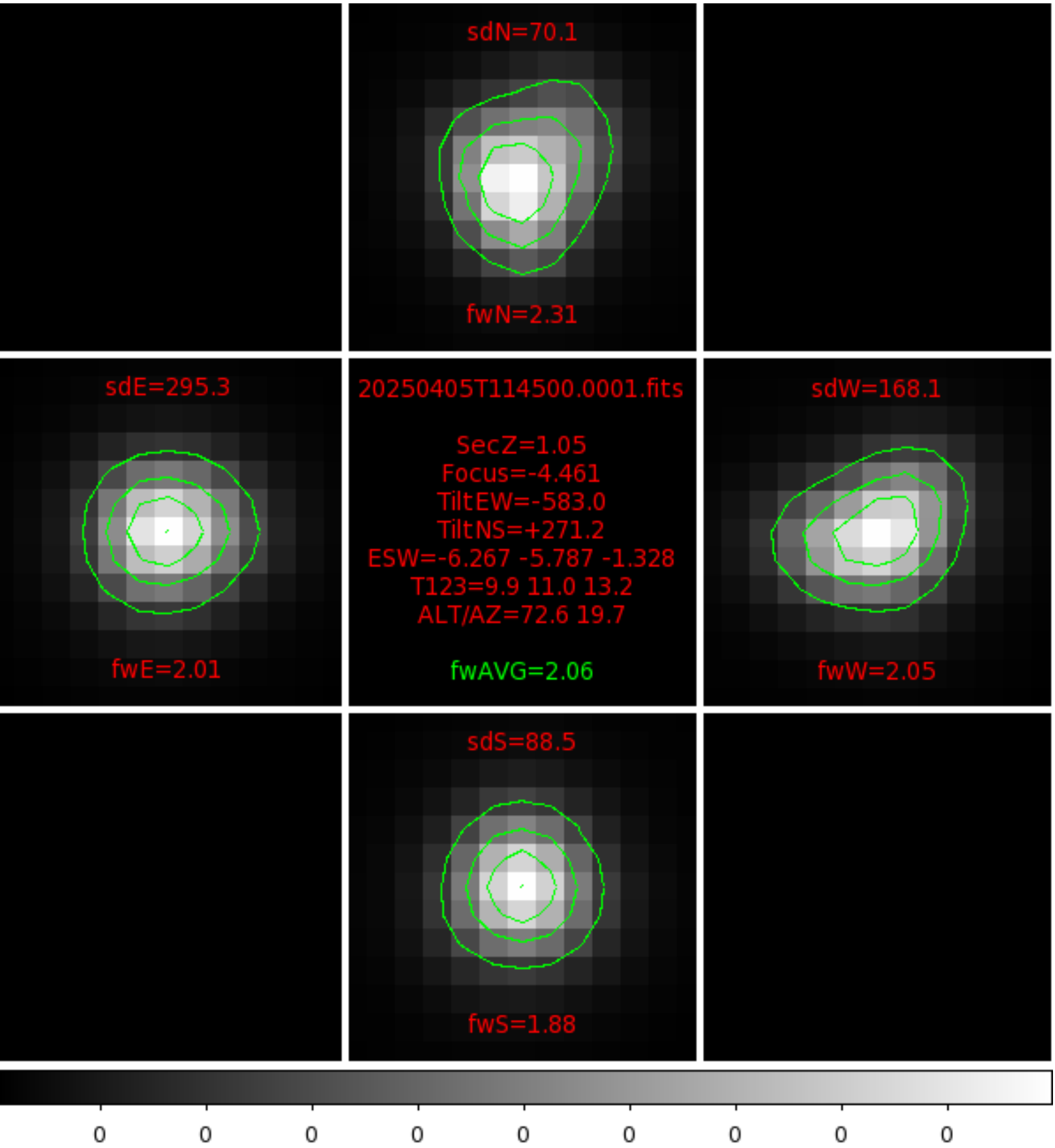
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sdE=295.3
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SecZ=1.05
Focus=-4.461
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.267 -5.787 -1.328
T123=9.9 11.0 13.2
ALT/AZ=72.6 19.7
fwAVG=2.06
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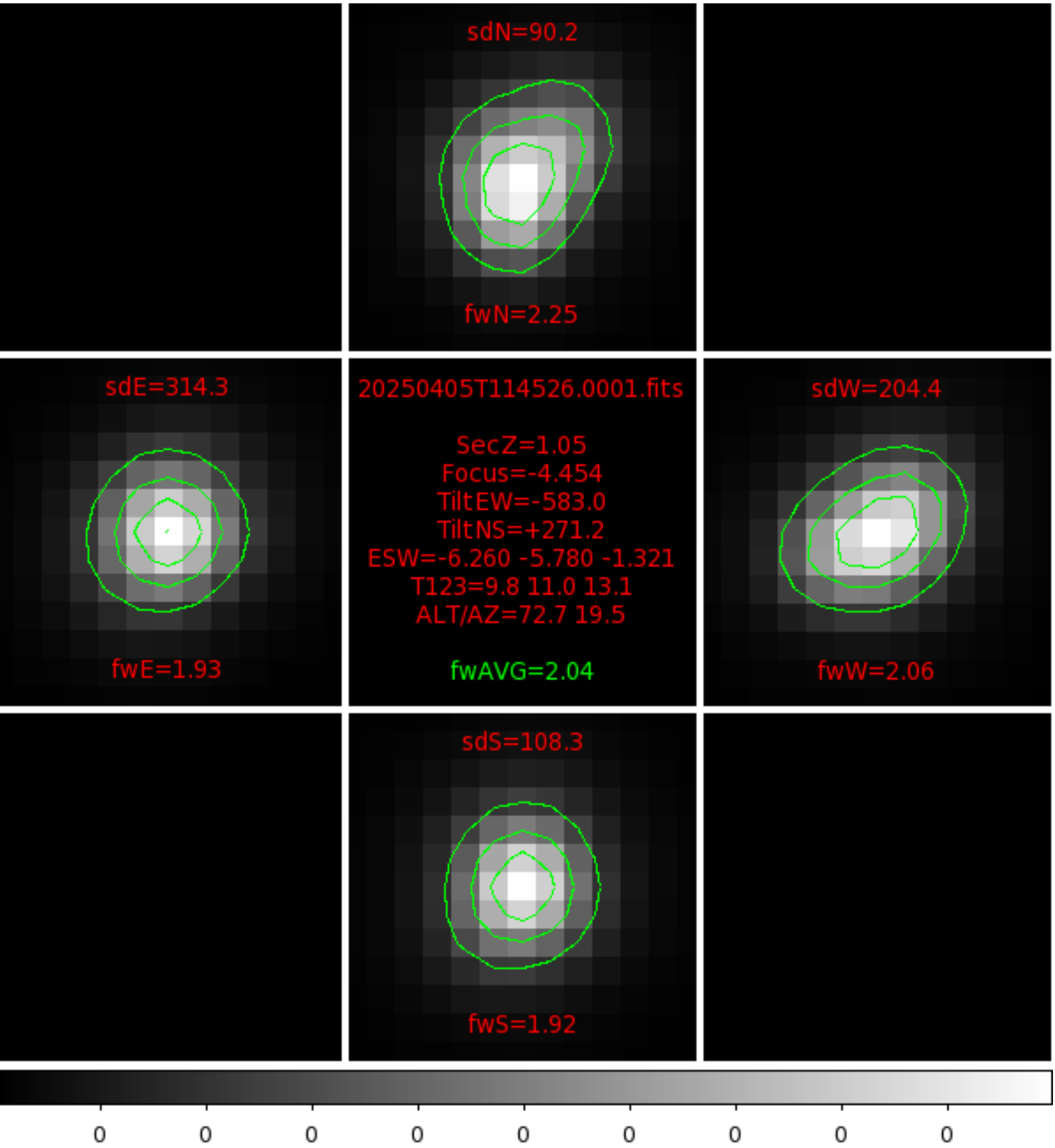
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sdE=314.3
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Focus=-4.454
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.260 -5.780 -1.321
T123=9.8 11.0 13.1
ALT/AZ=72.7 19.5
fwAVG=2.04
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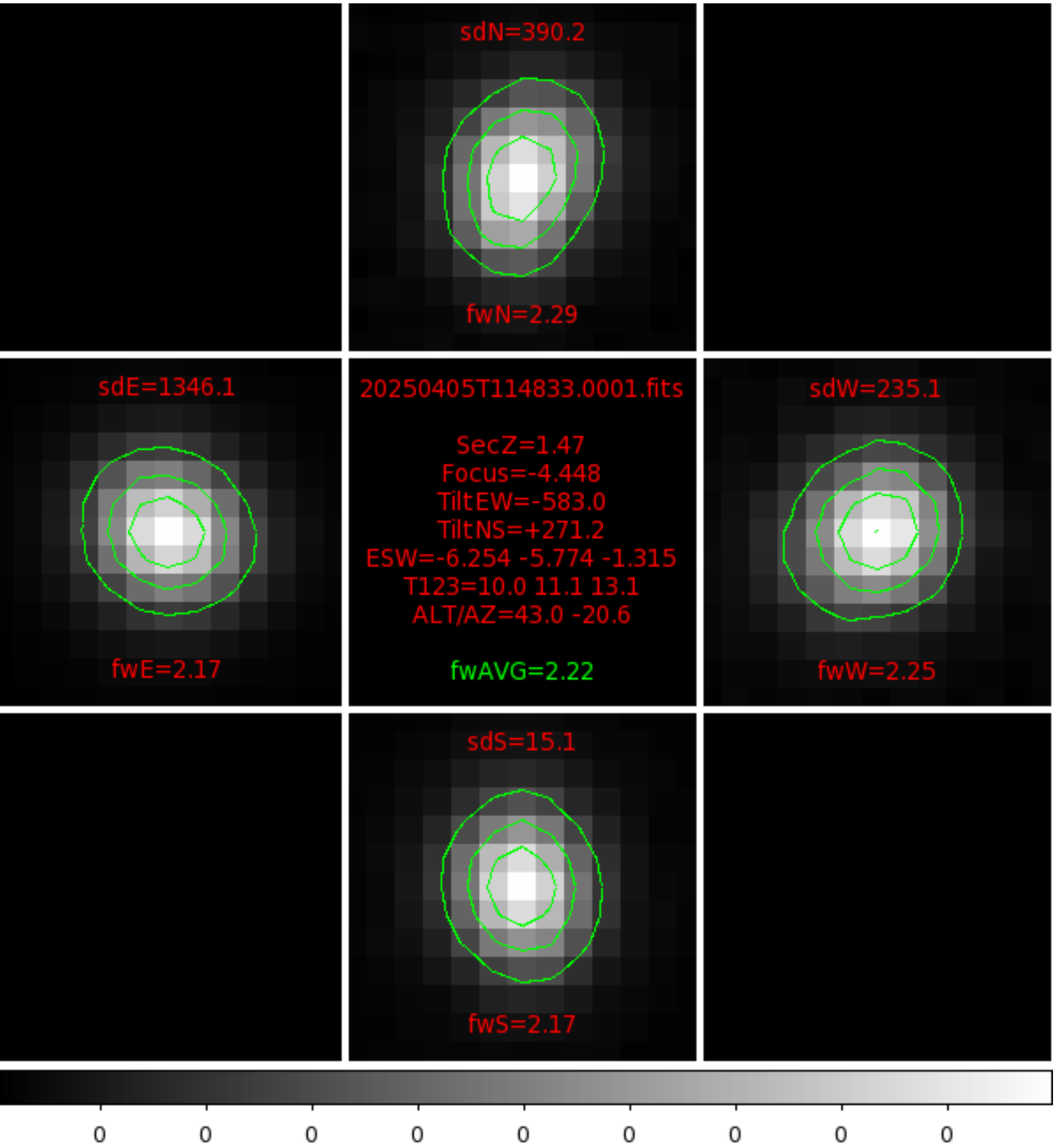
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SecZ=1.47
Focus=-4.448
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.254 -5.774 -1.315
T123=10.0 11.1 13.1
ALT/AZ=43.0 -20.6
fwAVG=2.22
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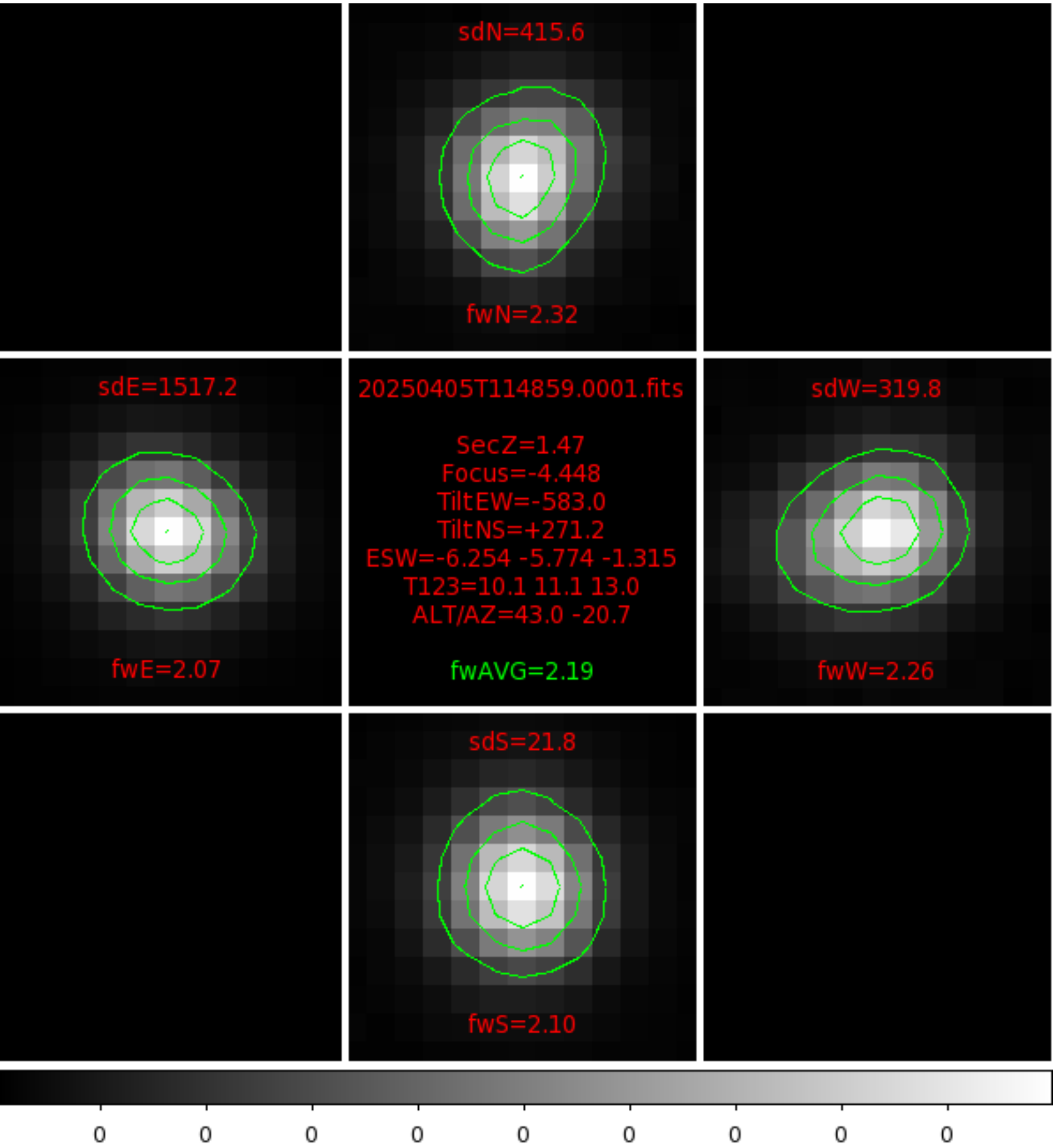
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sdE=1517.2
fwE=2.07
20250405T114859.0001.fits
SecZ=1.47
Focus=-4.448
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.254 -5.774 -1.315
T123=10.1 11.1 13.0
ALT/AZ=43.0 -20.7
fwAVG=2.19
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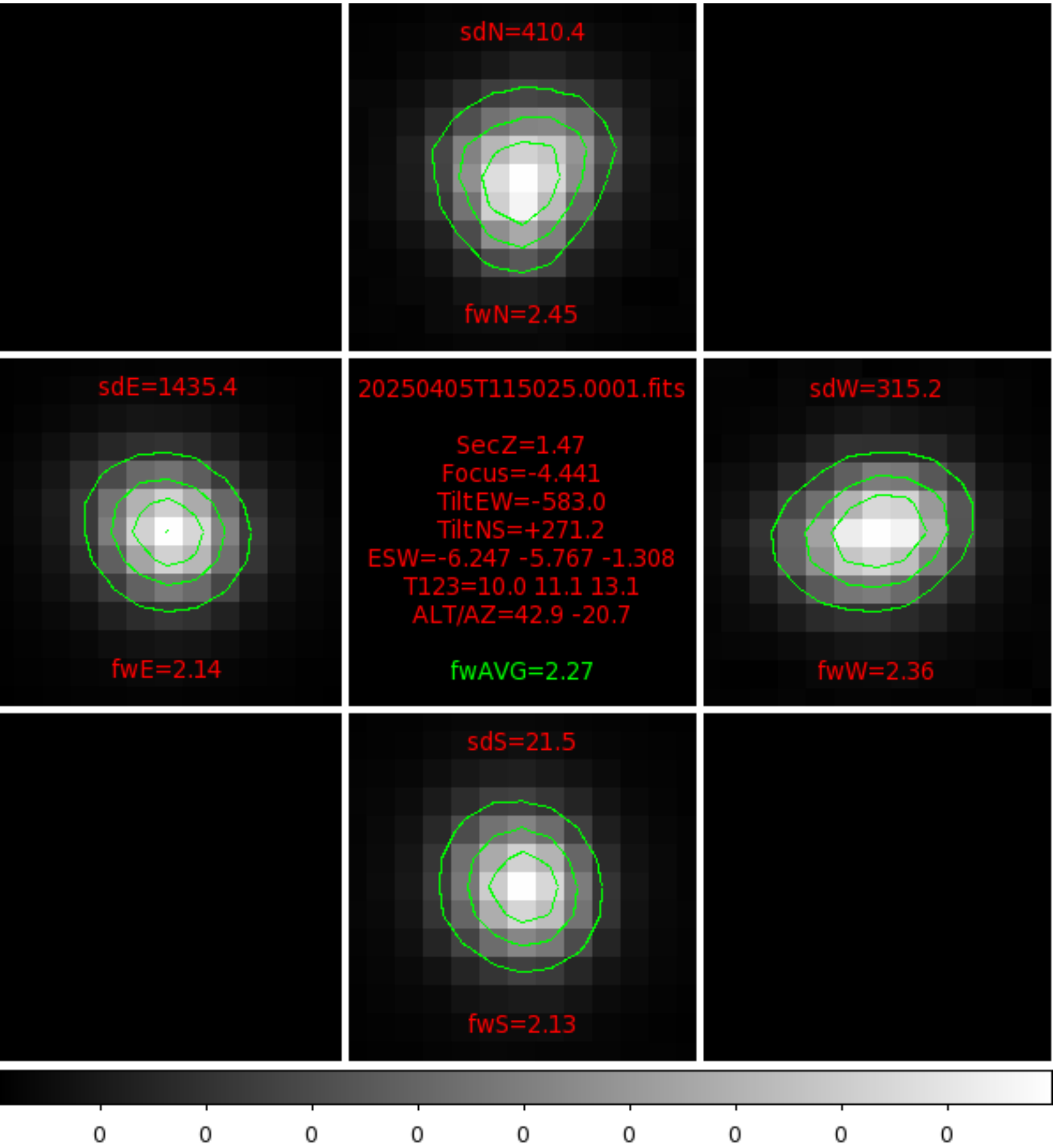
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SecZ=1.47
Focus=-4.441
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.247 -5.767 -1.308
T123=10.0 11.1 13.1
ALT/AZ=42.9 -20.7
fwAVG=2.27
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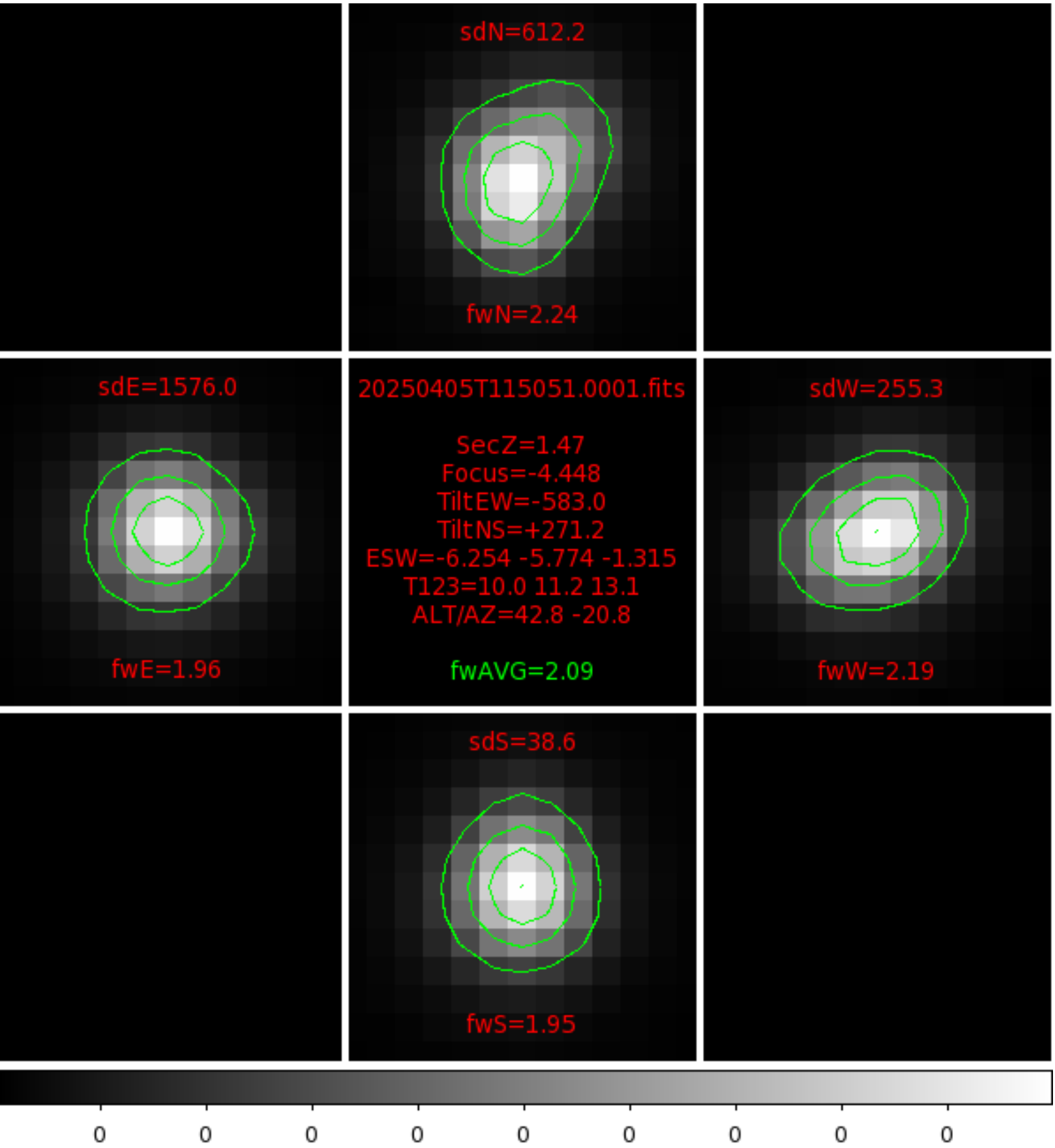
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SecZ=1.47
Focus=-4.448
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.254 -5.774 -1.315
T123=10.0 11.2 13.1
ALT/AZ=42.8 -20.8
fwAVG=2.09
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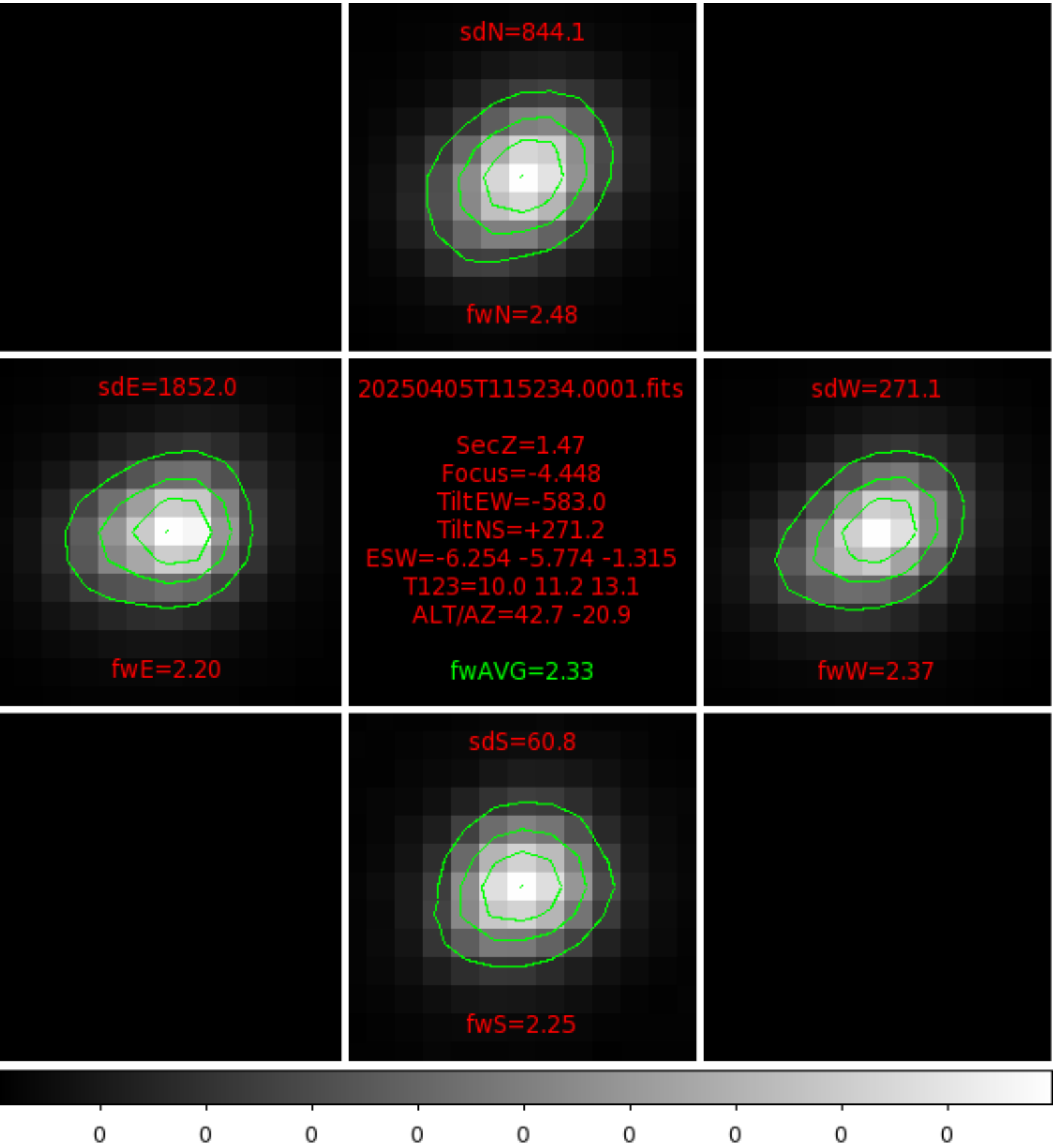
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sdE=1852.0
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SecZ=1.47
Focus=-4.448
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.254 -5.774 -1.315
T123=10.0 11.2 13.1
ALT/AZ=42.7 -20.9
fwAVG=2.33
sdW=271.1
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sdS=60.8
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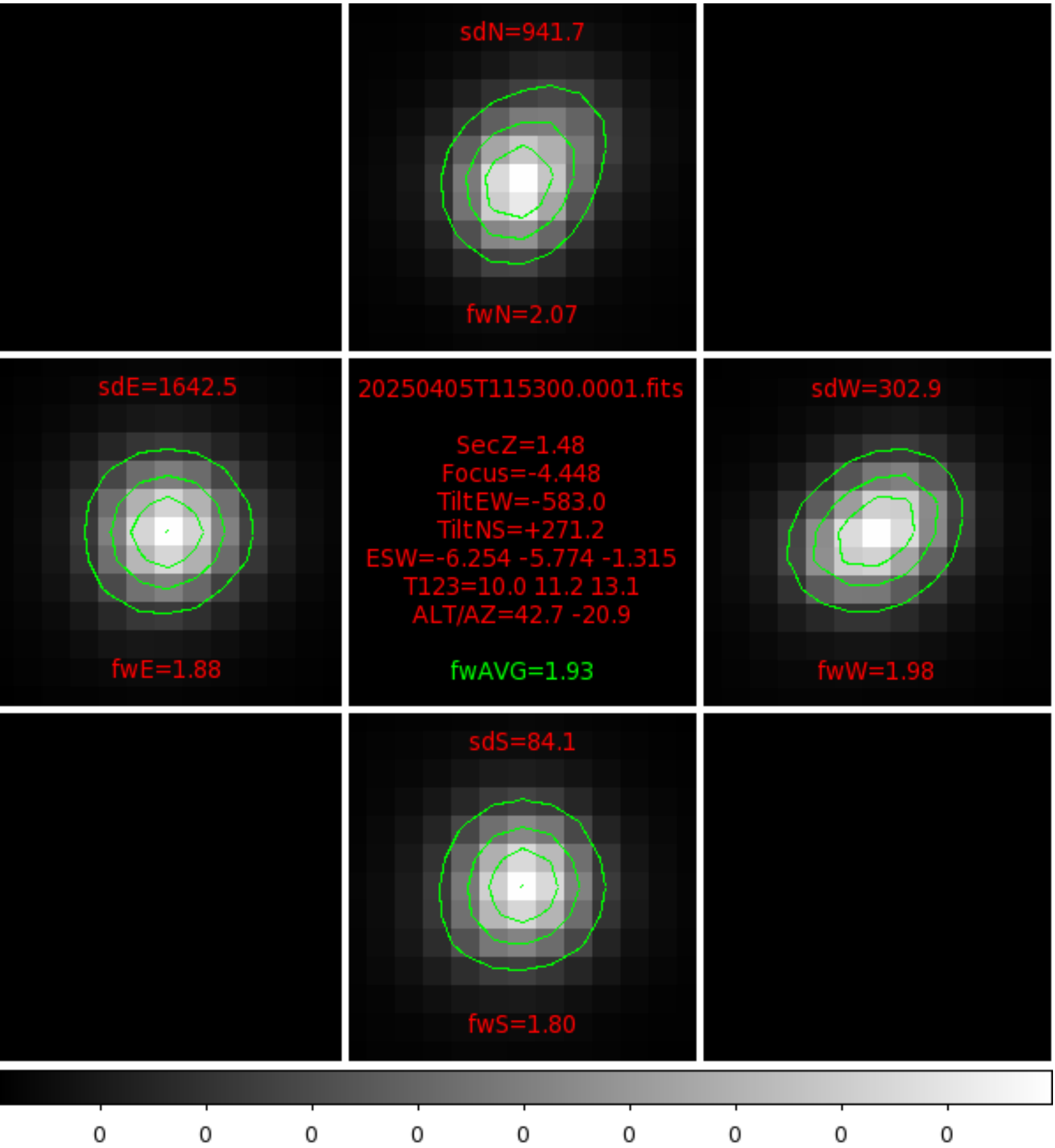
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SecZ=1.48
Focus=-4.448
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.254 -5.774 -1.315
T123=10.0 11.2 13.1
ALT/AZ=42.7 -20.9
fwAVG=1.93
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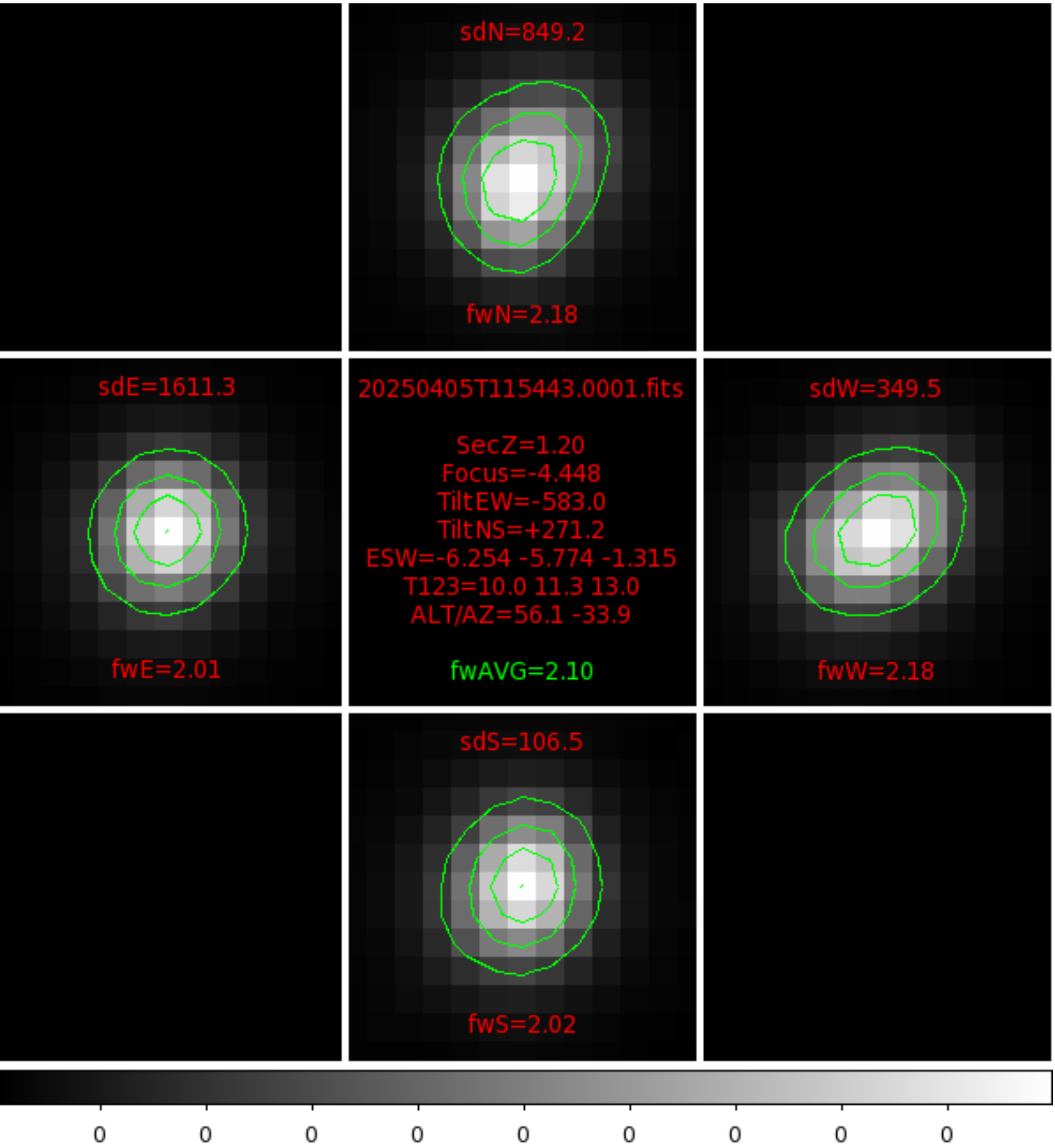
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sdE=1611.3
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SecZ=1.20
Focus=-4.448
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.254 -5.774 -1.315
T123=10.0 11.3 13.0
ALT/AZ=56.1 -33.9
fwAVG=2.10
sdW=349.5
fwW=2.18
sdS=106.5
fwS=2.02
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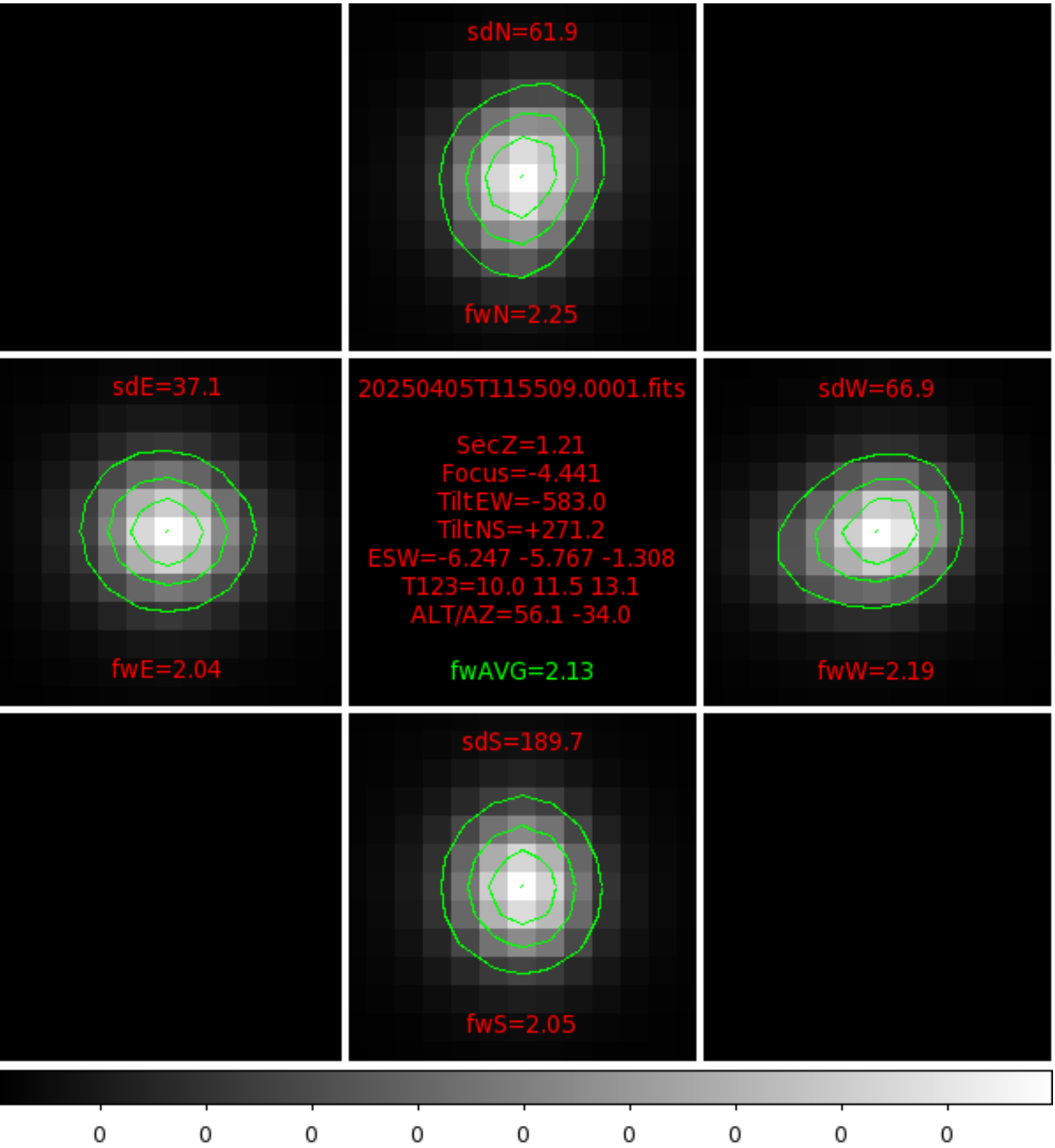
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TiltNS=+271.2
ESW=-6.247 -5.767 -1.308
T123=10.0 11.5 13.1
ALT/AZ=56.1 -34.0
fwAVG=2.13
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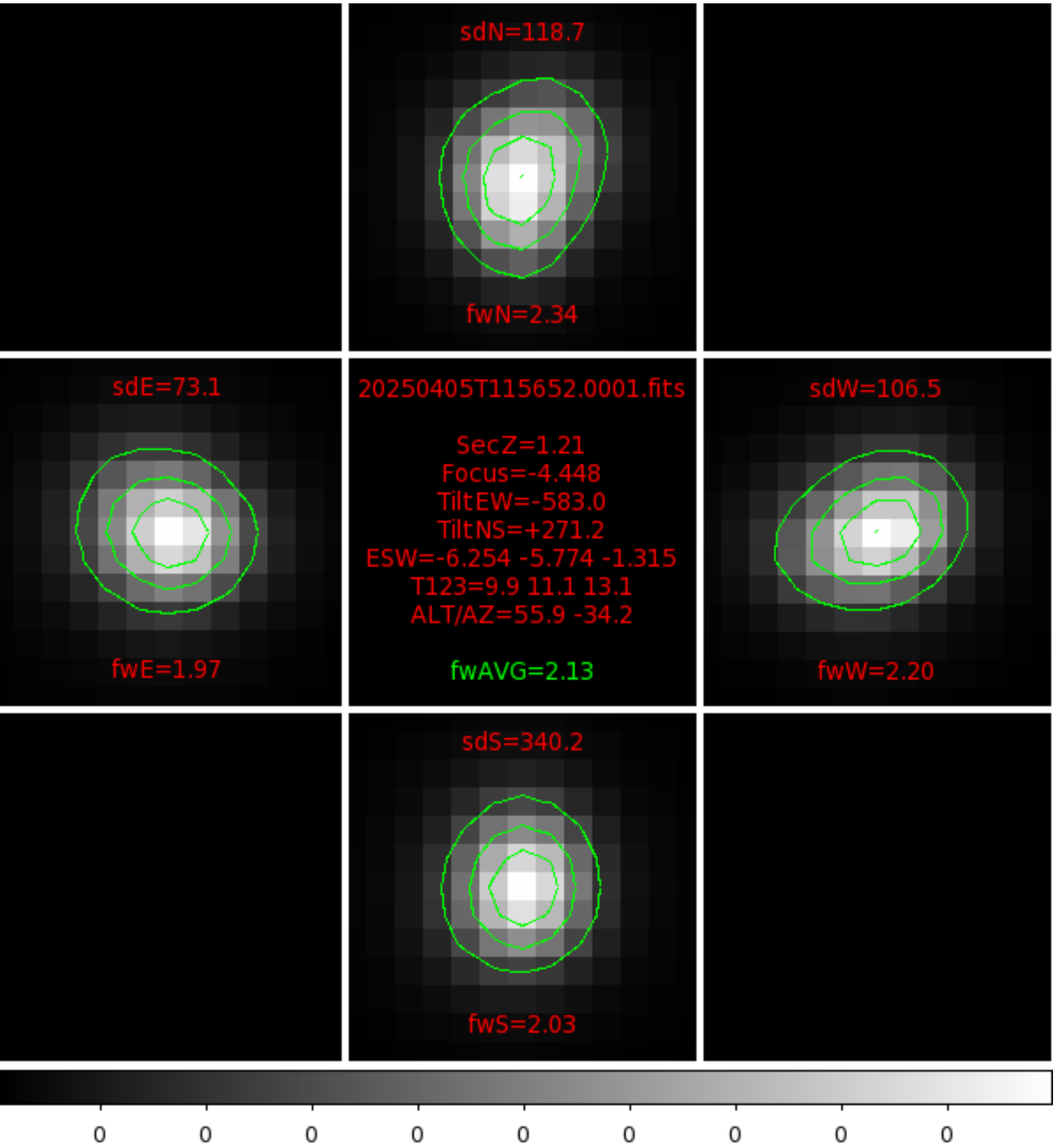
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TiltNS=+271.2
ESW=-6.254 -5.774 -1.315
T123=9.9 11.1 13.1
ALT/AZ=55.9 -34.2
fwAVG=2.13
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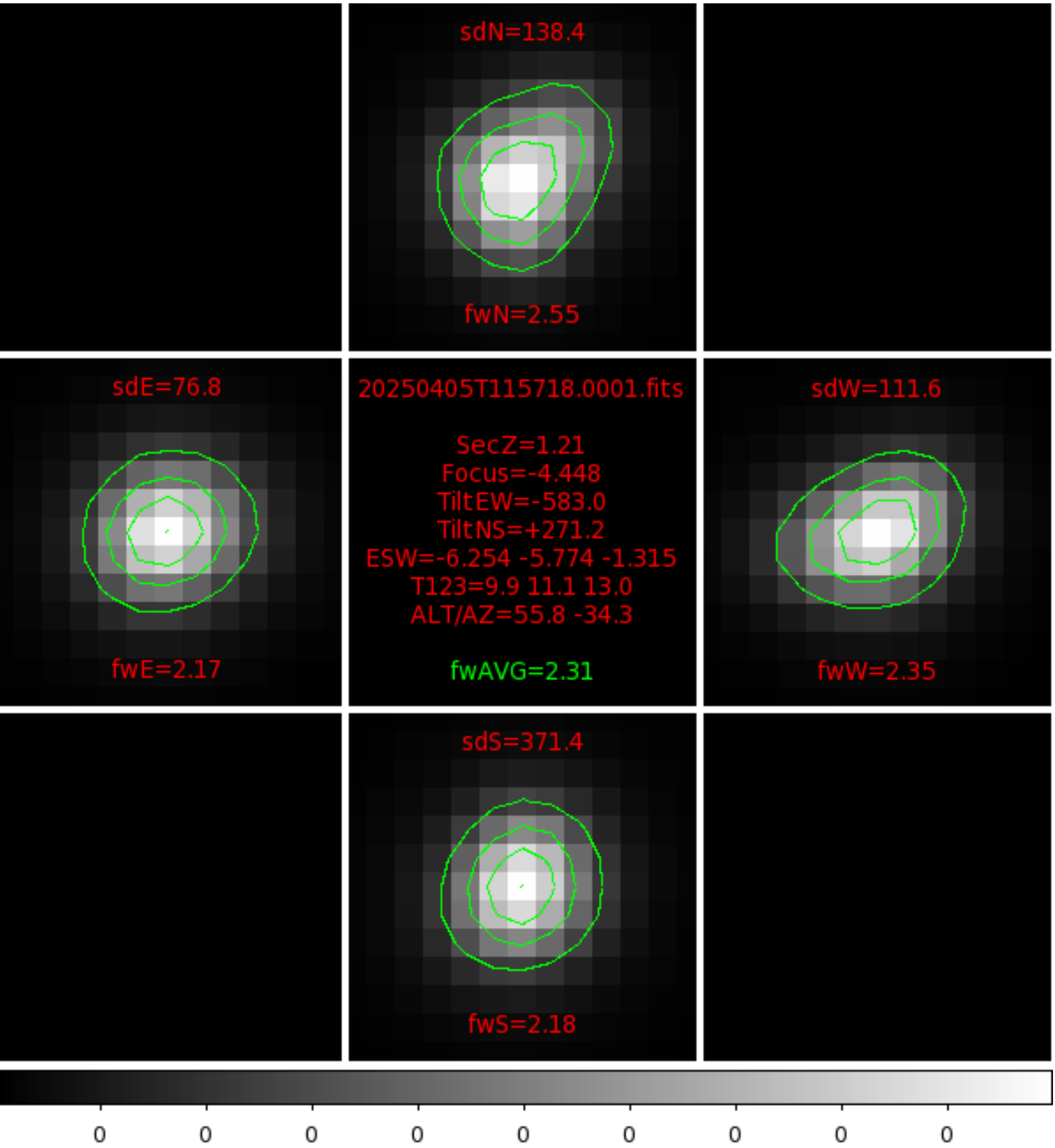
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T123=9.9 11.1 13.0
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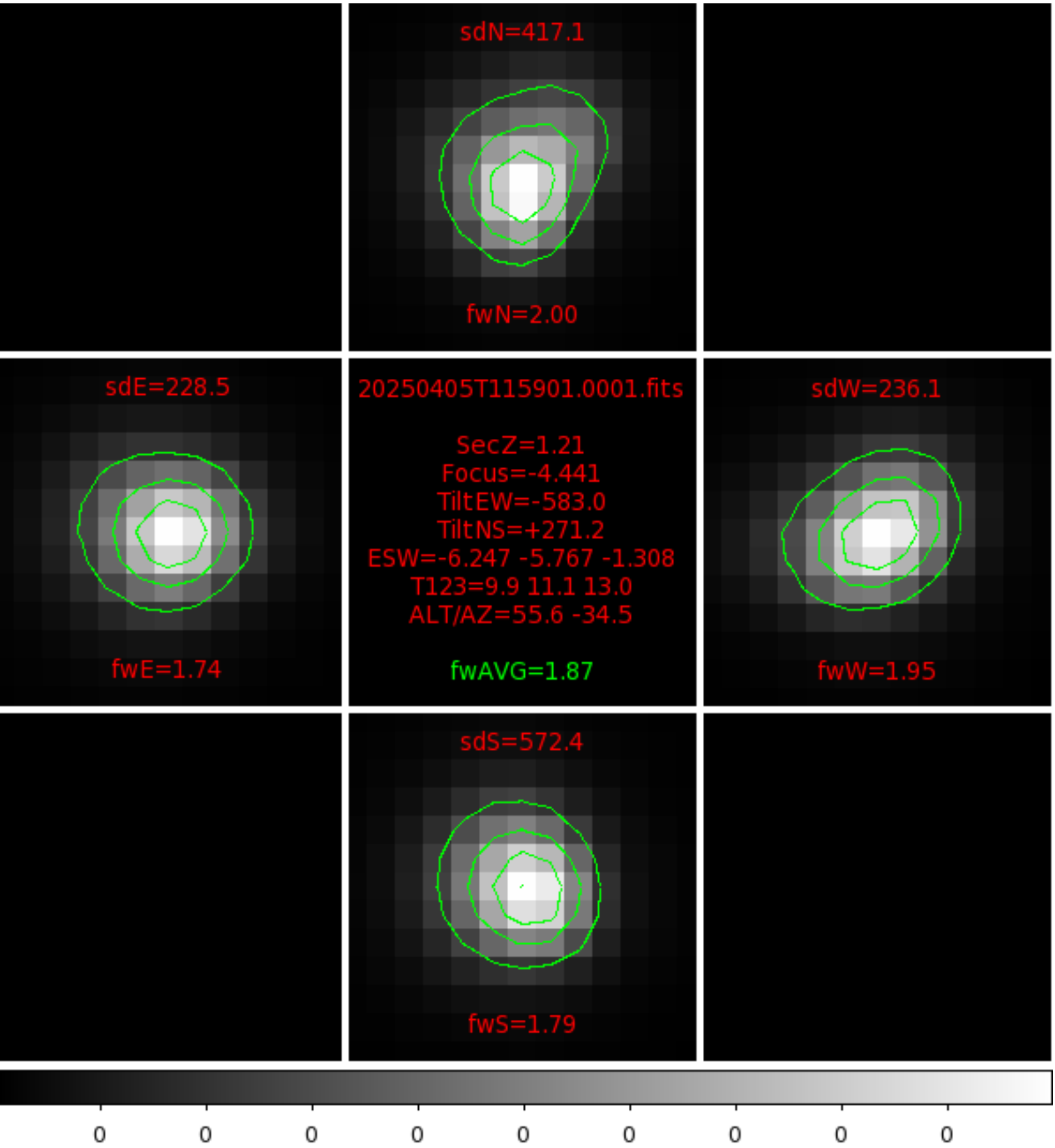
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SecZ=1.21
Focus=-4.441
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TiltNS=+271.2
ESW=-6.247 -5.767 -1.308
T123=9.9 11.1 13.0
ALT/AZ=55.6 -34.5
fwAVG=1.87
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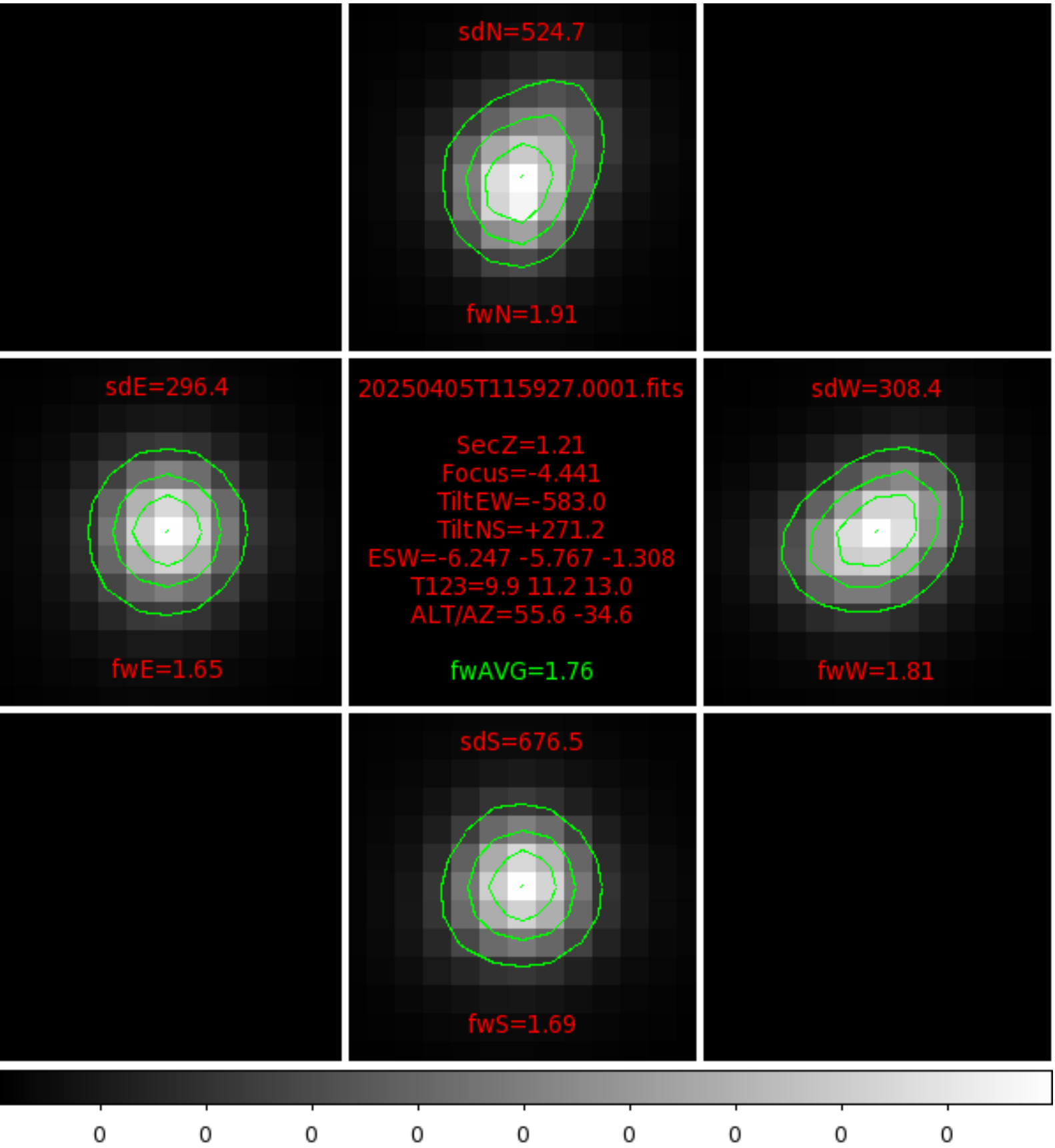
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sdE=296.4
fwE=1.65
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SecZ=1.21
Focus=-4.441
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.247 -5.767 -1.308
T123=9.9 11.2 13.0
ALT/AZ=55.6 -34.6
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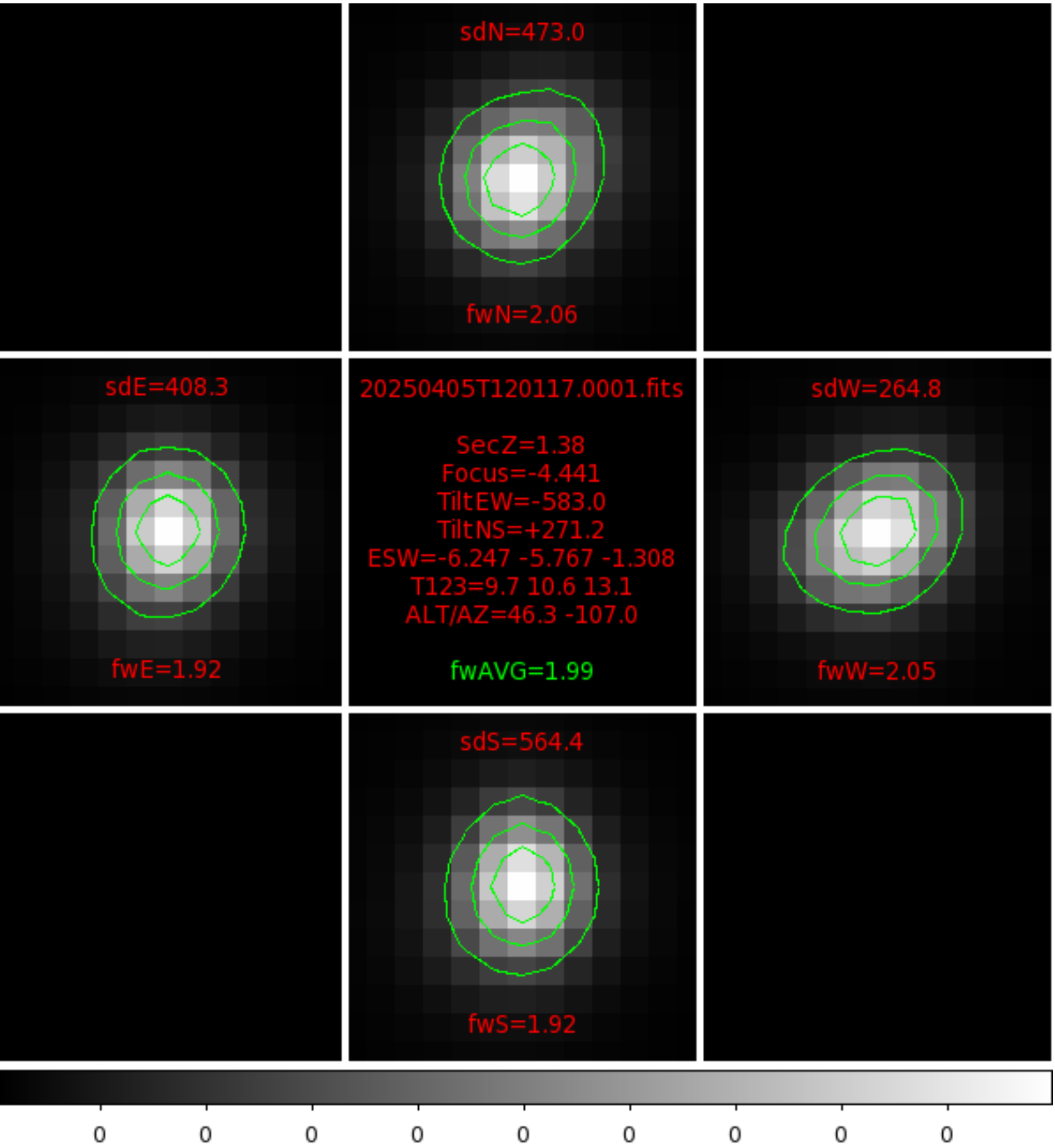
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SecZ=1.38
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TiltNS=+271.2
ESW=-6.247 -5.767 -1.308
T123=9.7 10.6 13.1
ALT/AZ=46.3 -107.0
fwAVG=1.99
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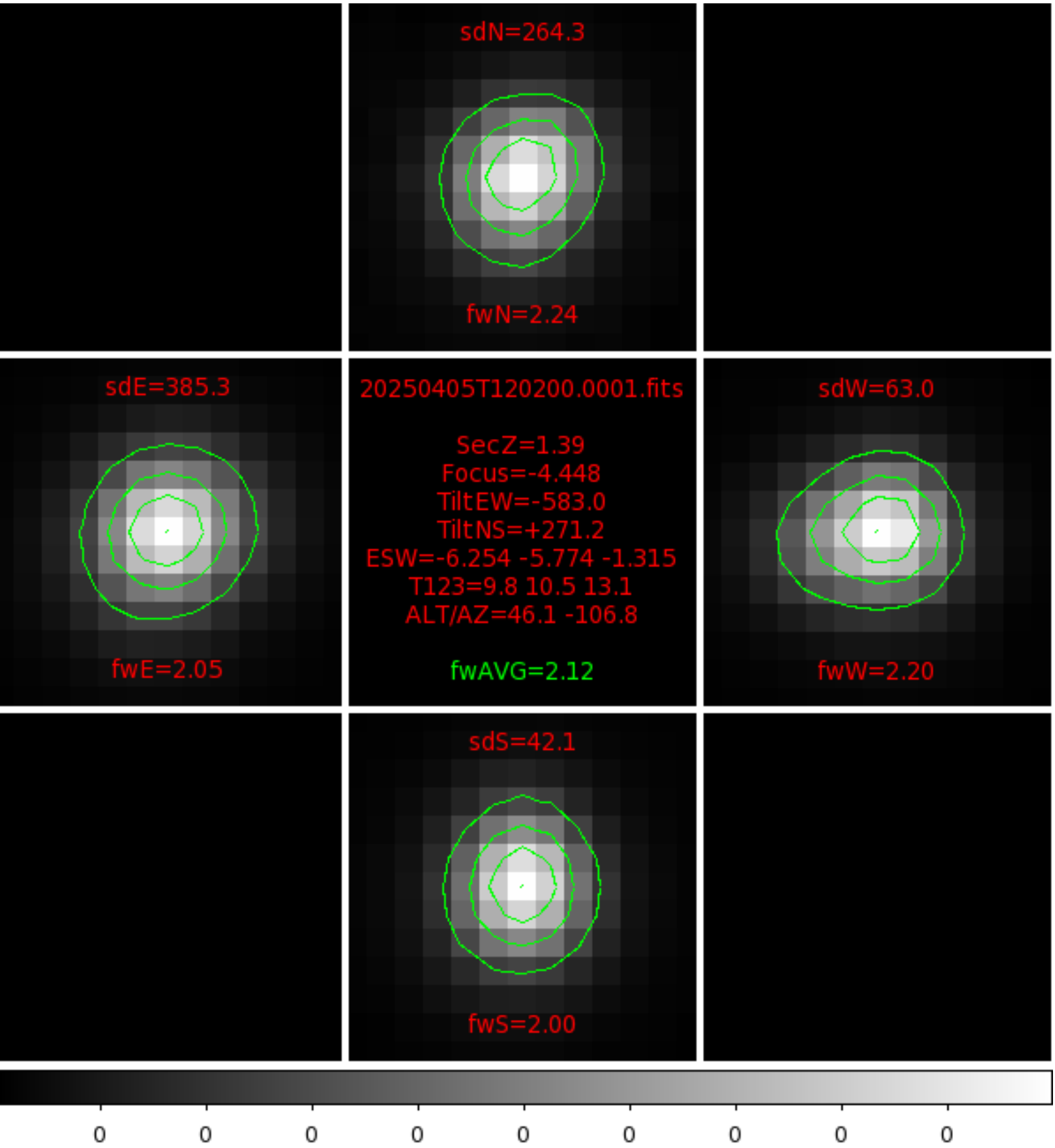
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.254 -5.774 -1.315
T123=9.8 10.5 13.1
ALT/AZ=46.1 -106.8
fwAVG=2.12
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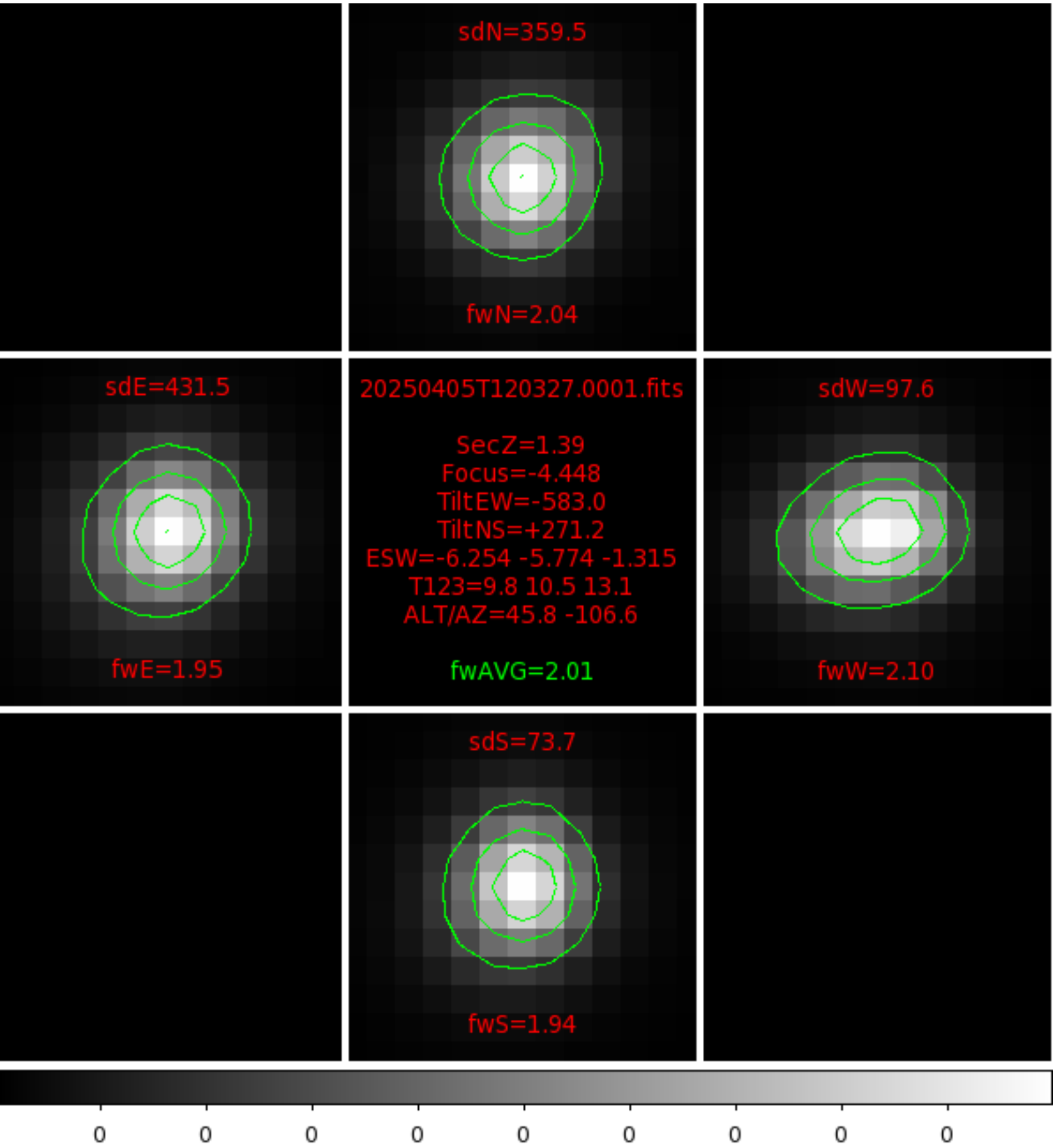
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sdE=431.5
fwE=1.95
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SecZ=1.39
Focus=-4.448
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.254 -5.774 -1.315
T123=9.8 10.5 13.1
ALT/AZ=45.8 -106.6
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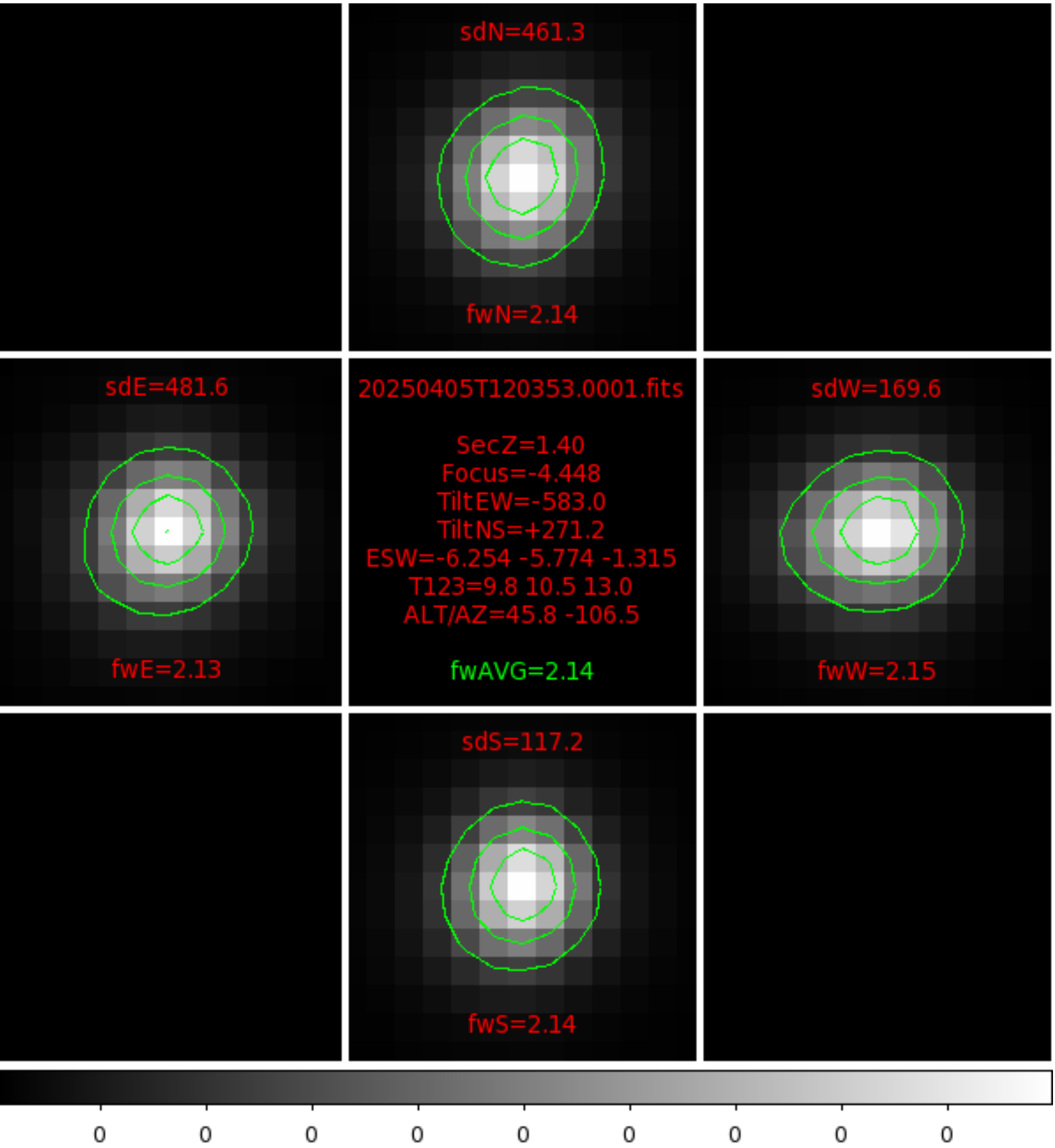
sdN=461.3
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SecZ=1.40
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.254 -5.774 -1.315
T123=9.8 10.5 13.0
ALT/AZ=45.8 -106.5
fwAVG=2.14
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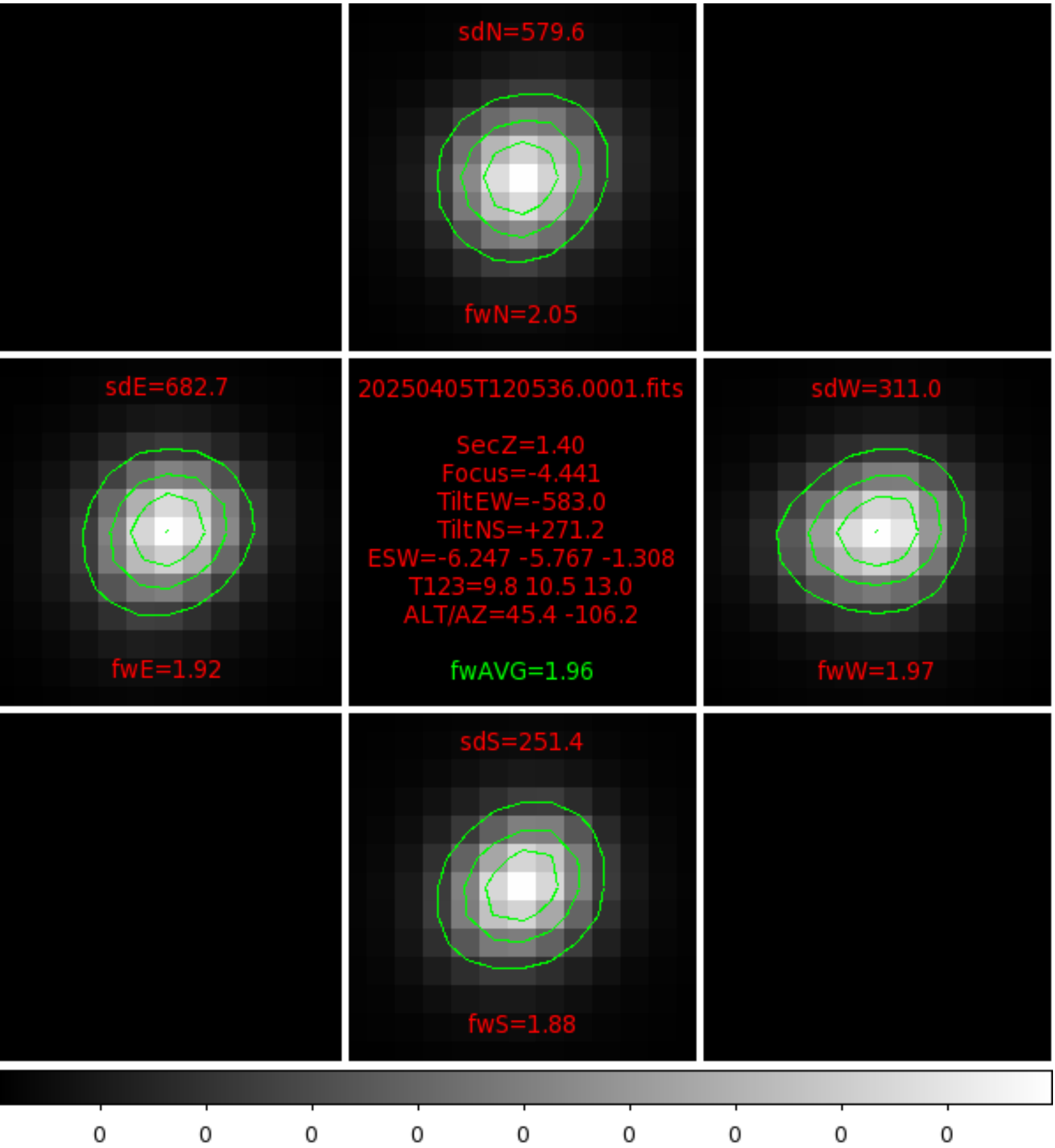
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fwE=1.92
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.247 -5.767 -1.308
T123=9.8 10.5 13.0
ALT/AZ=45.4 -106.2
fwAVG=1.96
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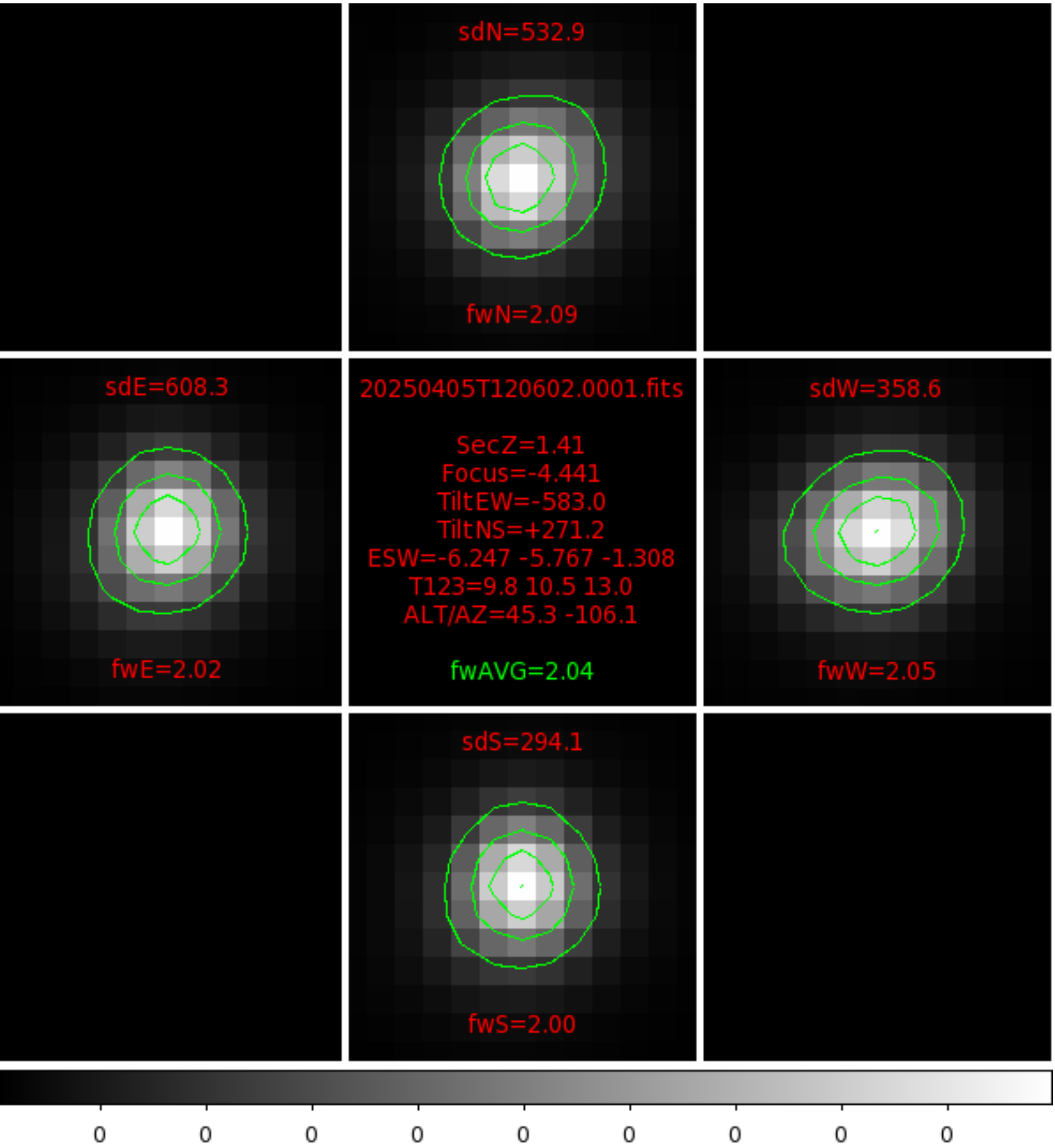
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SecZ=1.41
Focus=-4.441
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.247 -5.767 -1.308
T123=9.8 10.5 13.0
ALT/AZ=45.3 -106.1
fwAVG=2.04
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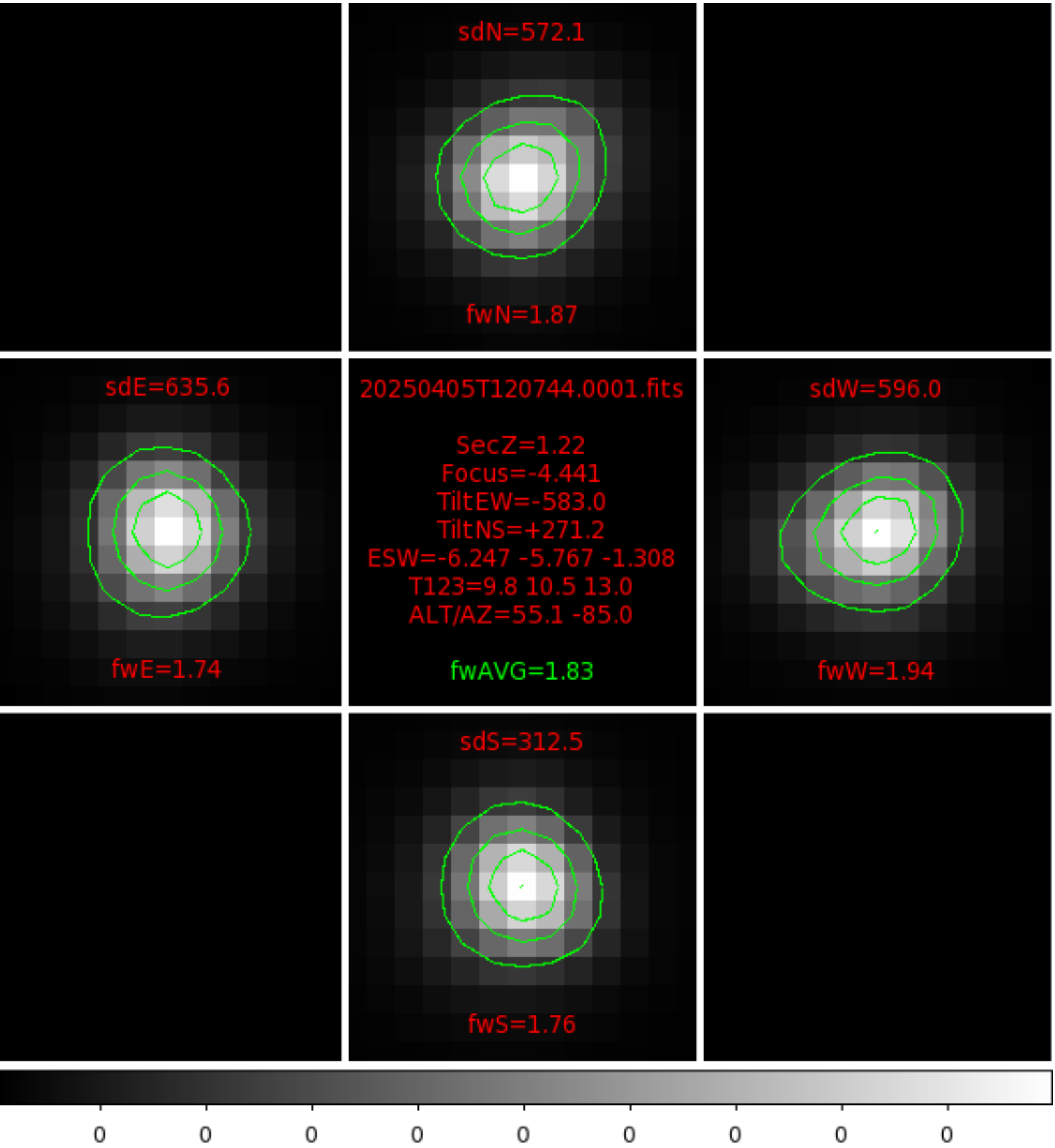
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SecZ=1.22
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TiltEW=-583.0
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ESW=-6.247 -5.767 -1.308
T123=9.8 10.5 13.0
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fwAVG=1.83
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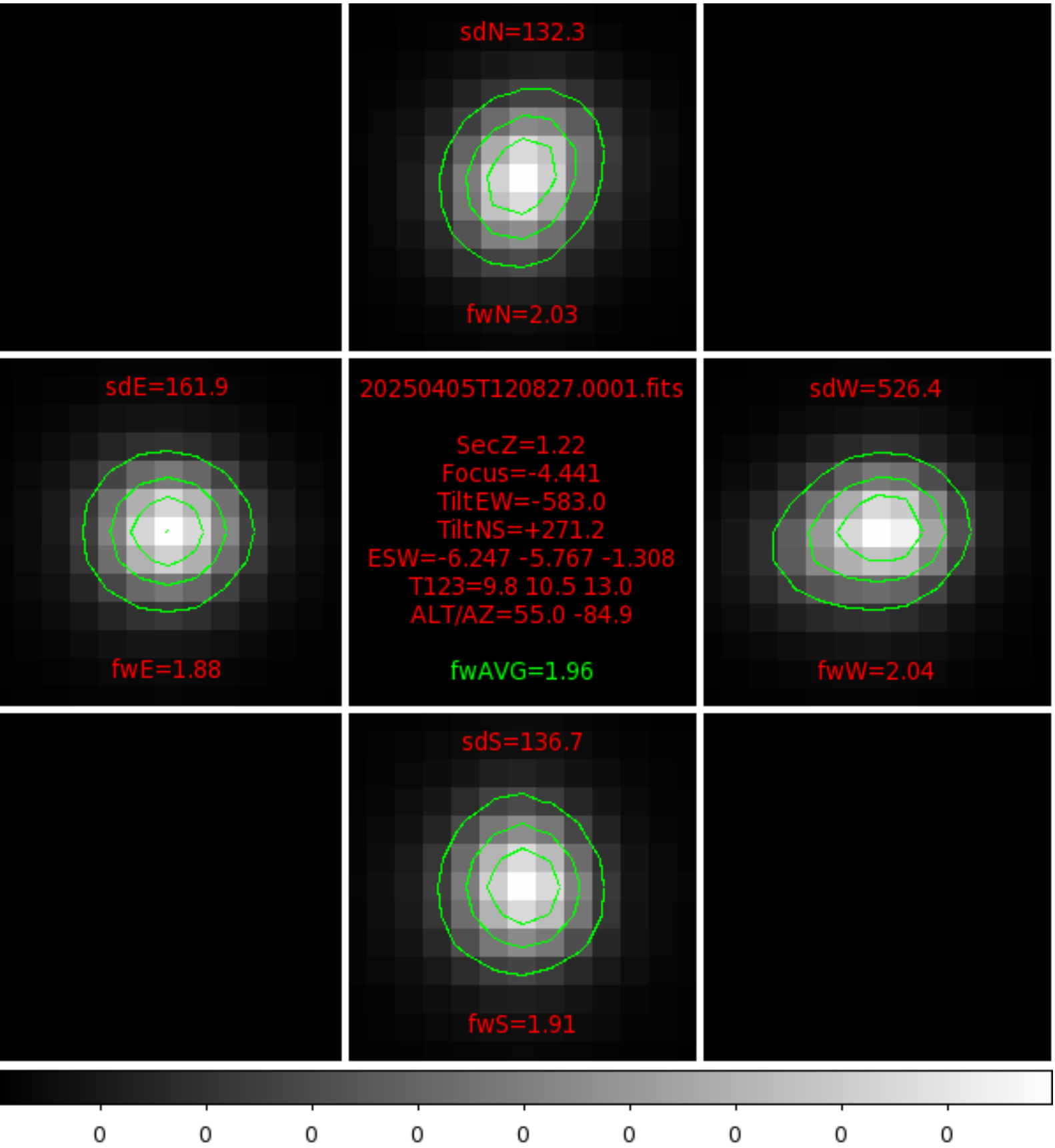
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SecZ=1.22
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TiltNS=+271.2
ESW=-6.247 -5.767 -1.308
T123=9.8 10.5 13.0
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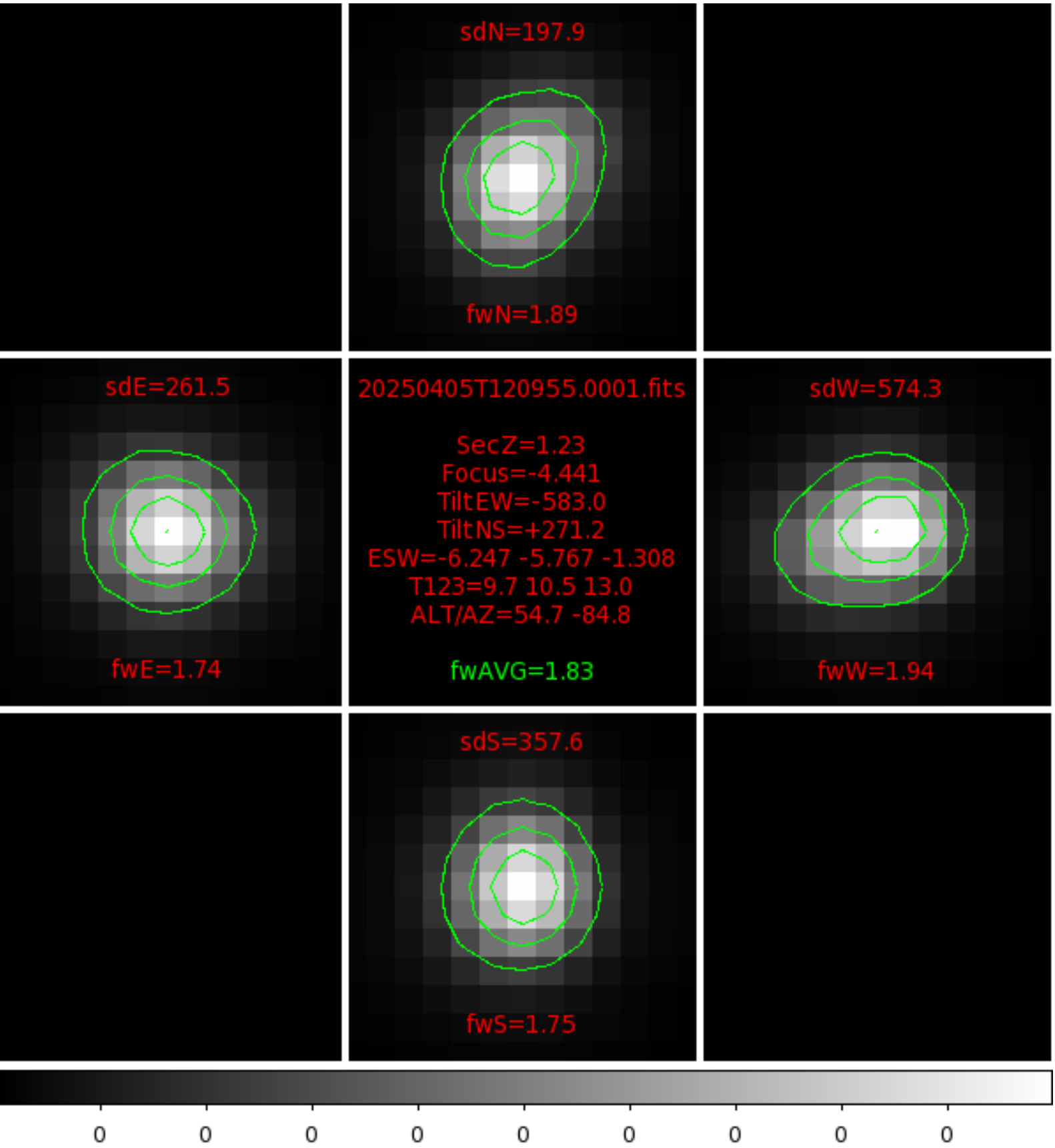
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SecZ=1.23
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TiltNS=+271.2
ESW=-6.247 -5.767 -1.308
T123=9.7 10.5 13.0
ALT/AZ=54.7 -84.8
fwAVG=1.83
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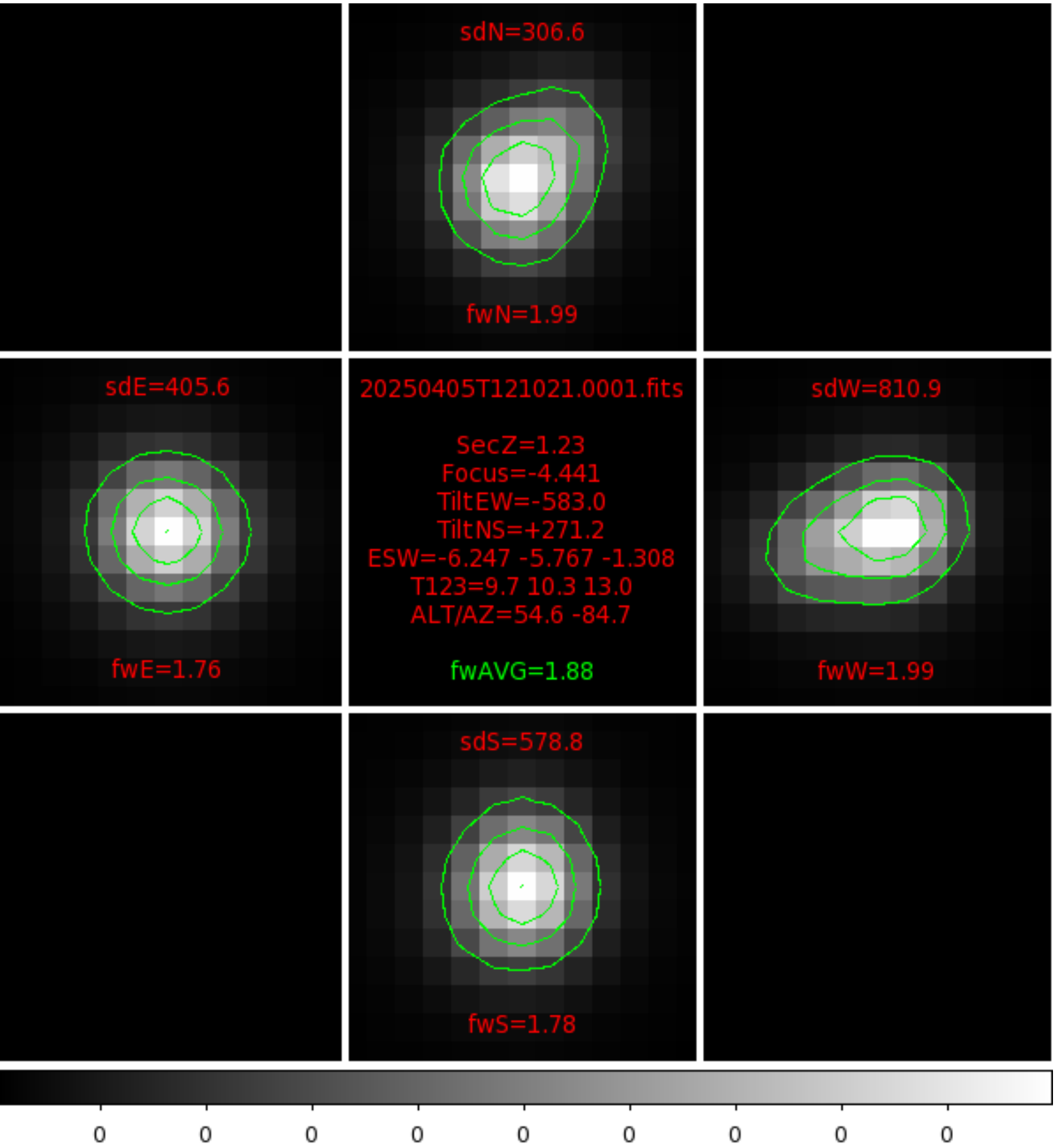
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TiltNS=+271.2
ESW=-6.247 -5.767 -1.308
T123=9.7 10.3 13.0
ALT/AZ=54.6 -84.7
fwAVG=1.88
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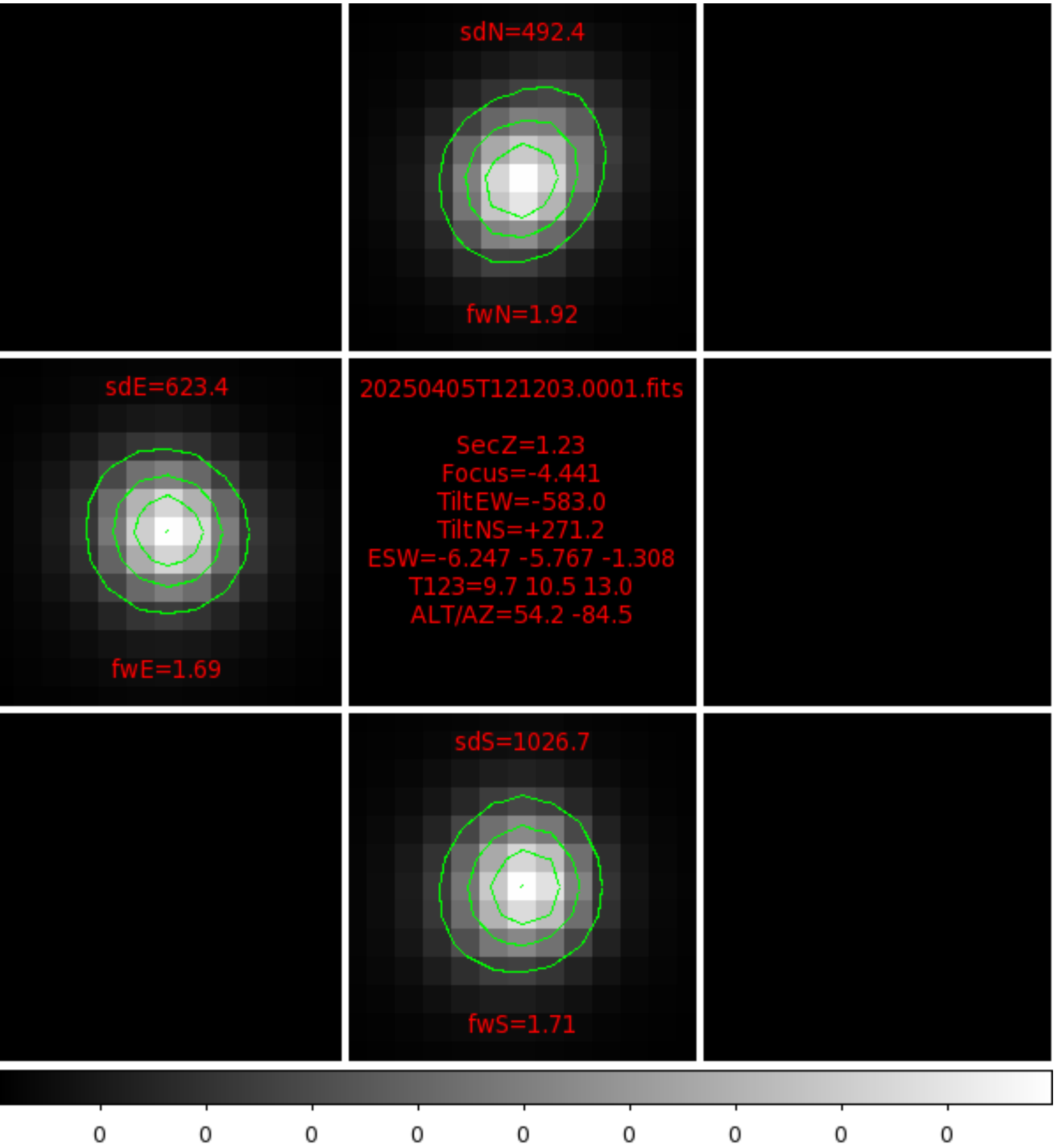
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.247 -5.767 -1.308
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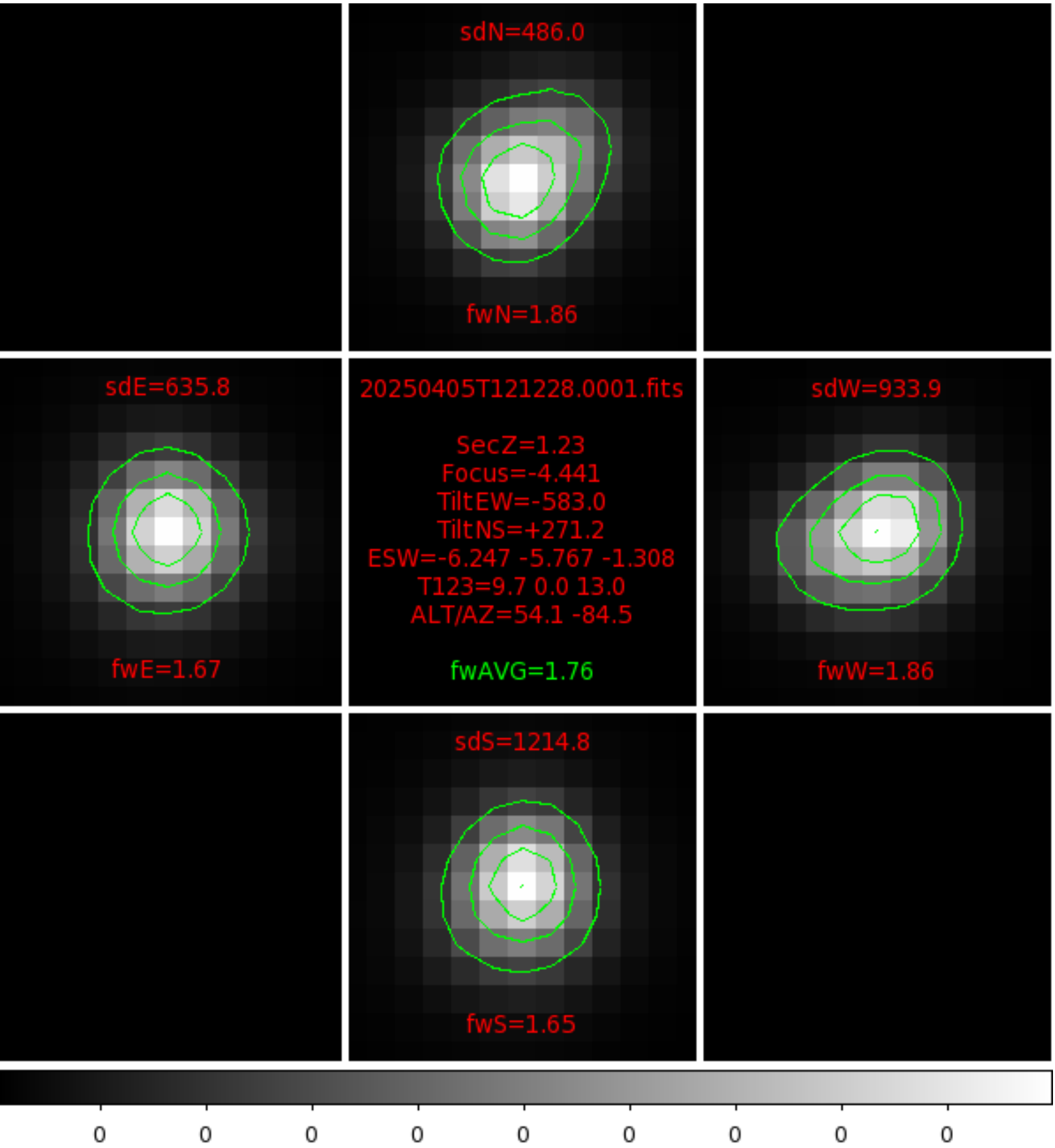
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SecZ=1.23
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TiltNS=+271.2
ESW=-6.247 -5.767 -1.308
T123=9.7 0.0 13.0
ALT/AZ=54.1 -84.5
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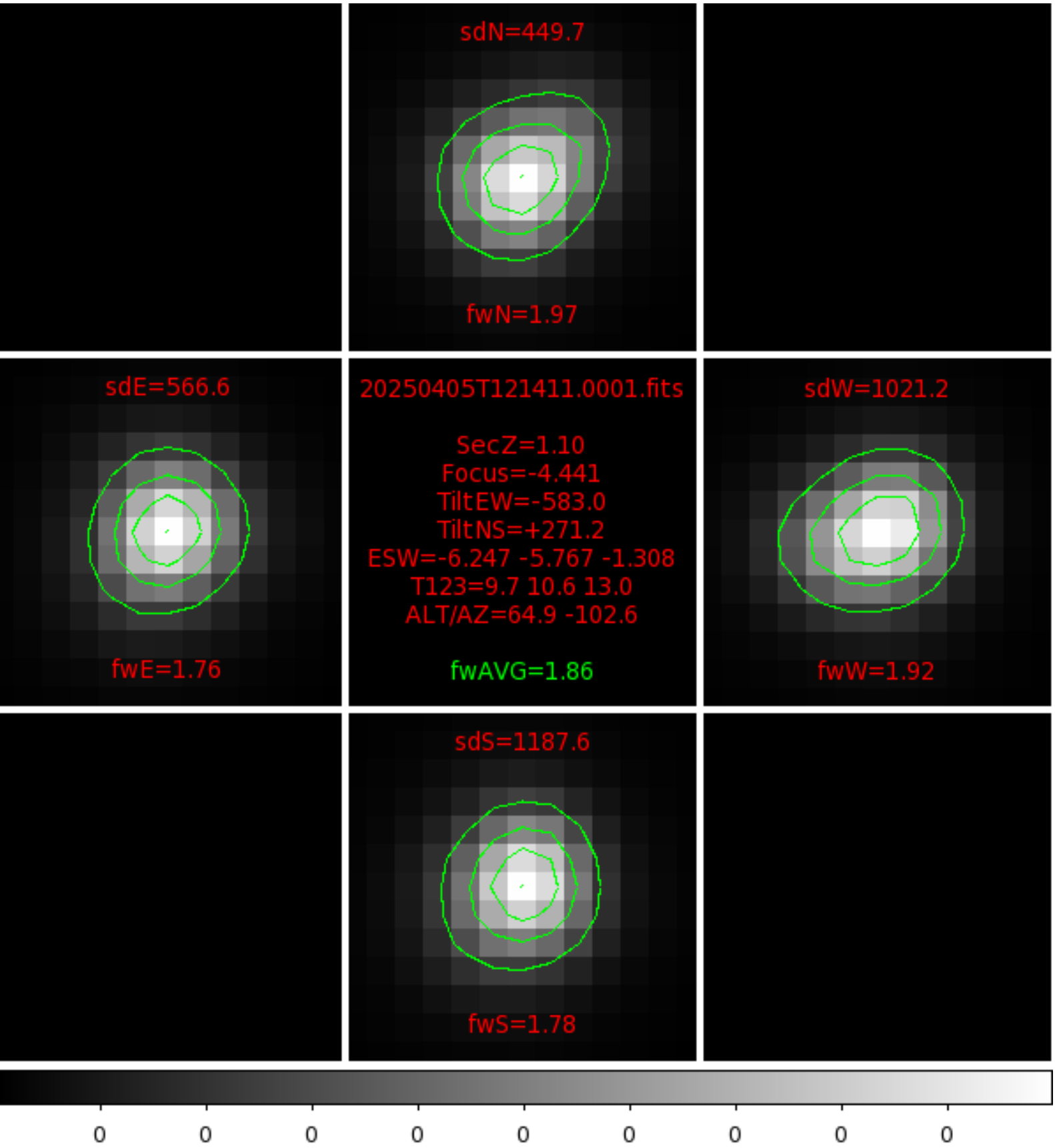
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SecZ=1.10
Focus=-4.441
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TiltNS=+271.2
ESW=-6.247 -5.767 -1.308
T123=9.7 10.6 13.0
ALT/AZ=64.9 -102.6
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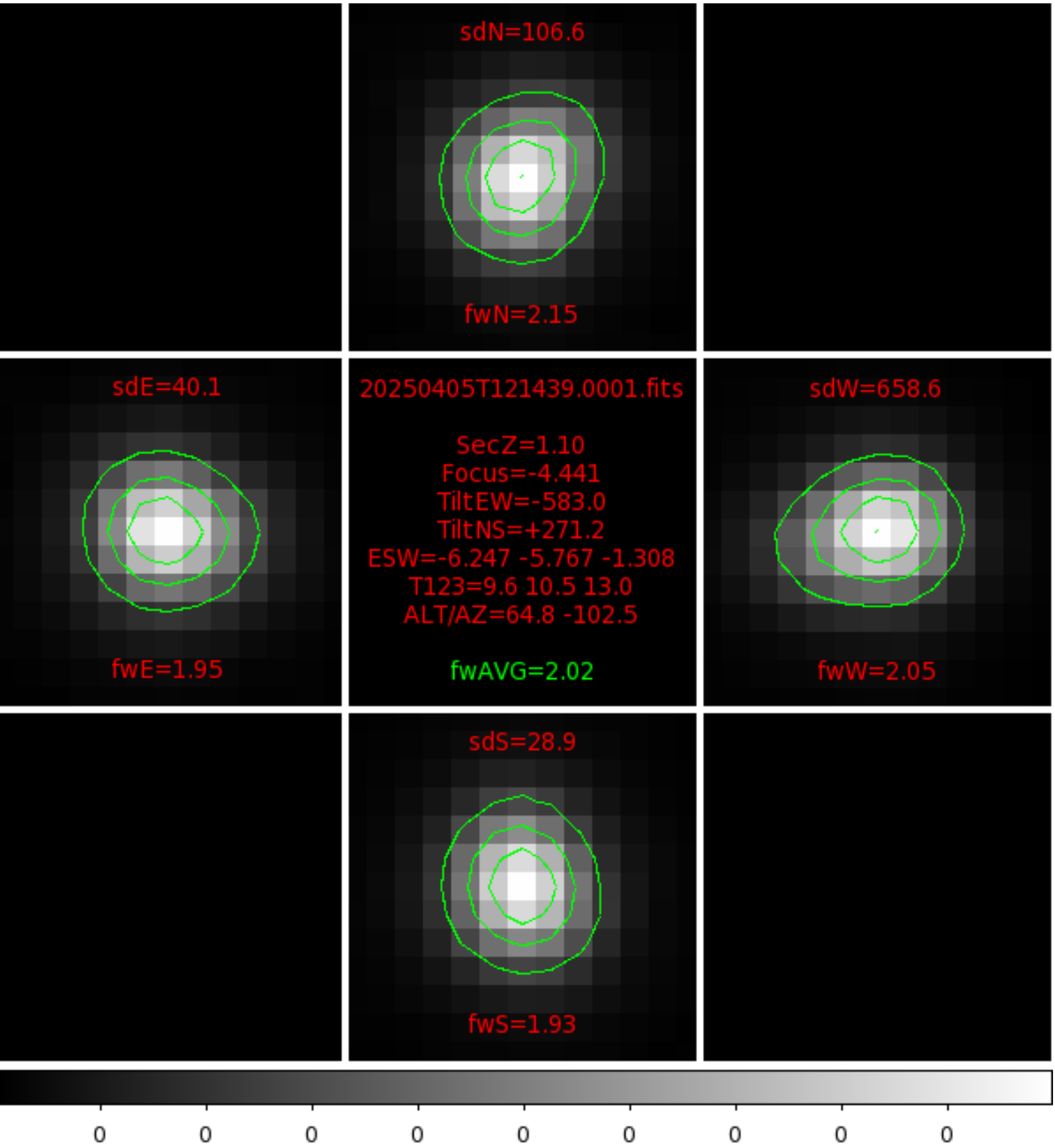
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SecZ=1.10
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.247 -5.767 -1.308
T123=9.6 10.5 13.0
ALT/AZ=64.8 -102.5
fwAVG=2.02
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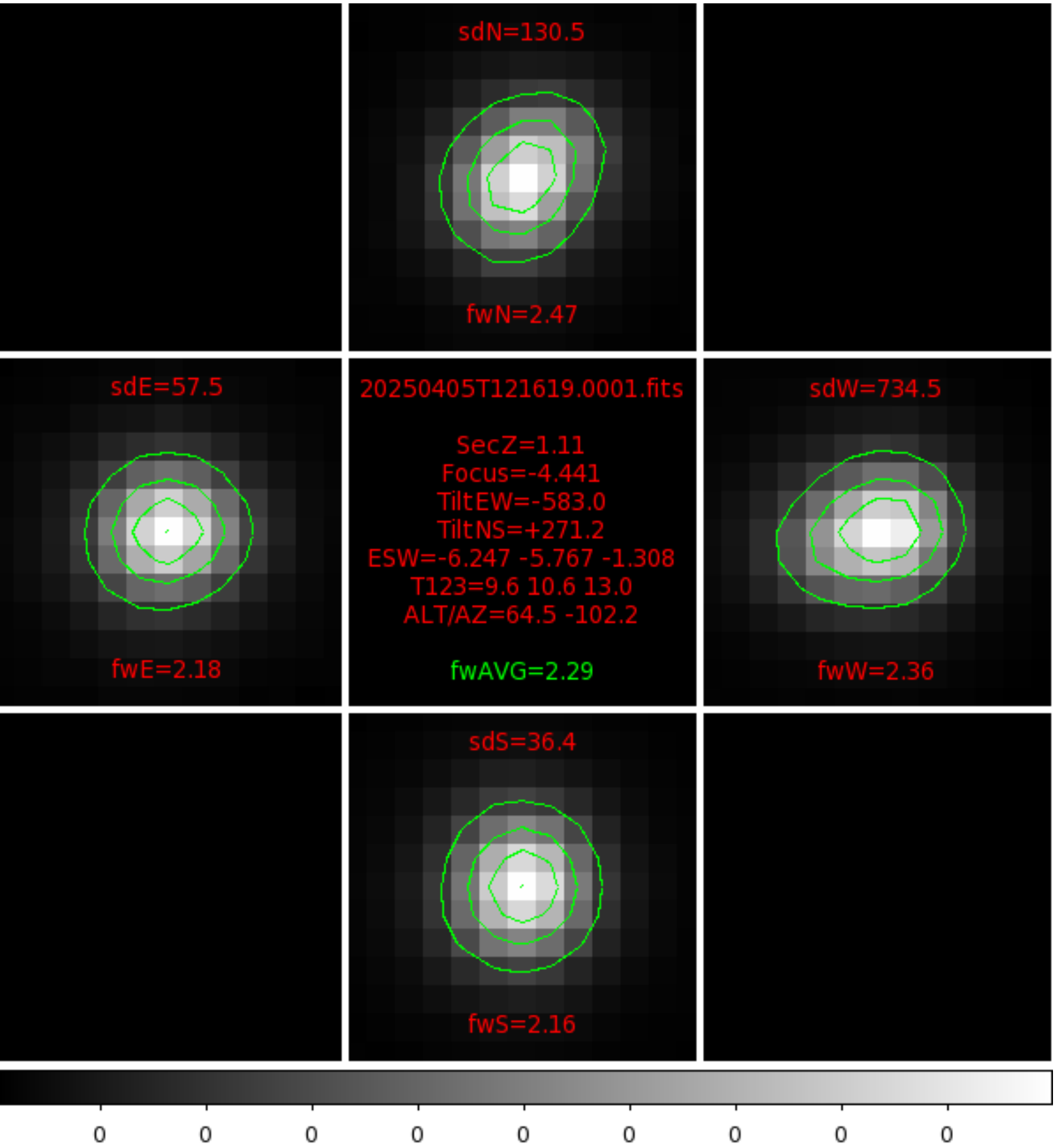
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TiltNS=+271.2
ESW=-6.247 -5.767 -1.308
T123=9.6 10.6 13.0
ALT/AZ=64.5 -102.2
fwAVG=2.29
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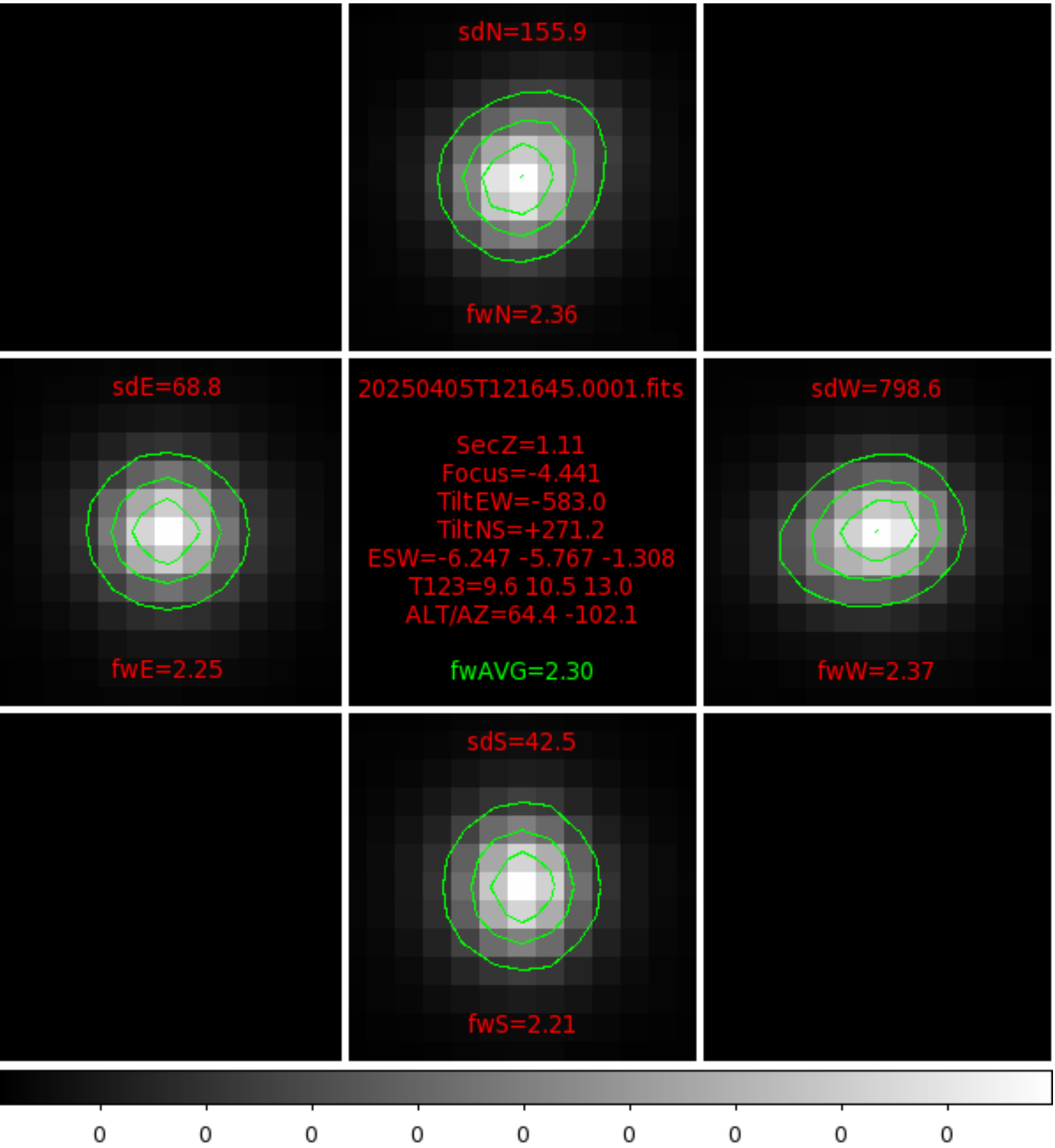
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.247 -5.767 -1.308
T123=9.6 10.5 13.0
ALT/AZ=64.4 -102.1
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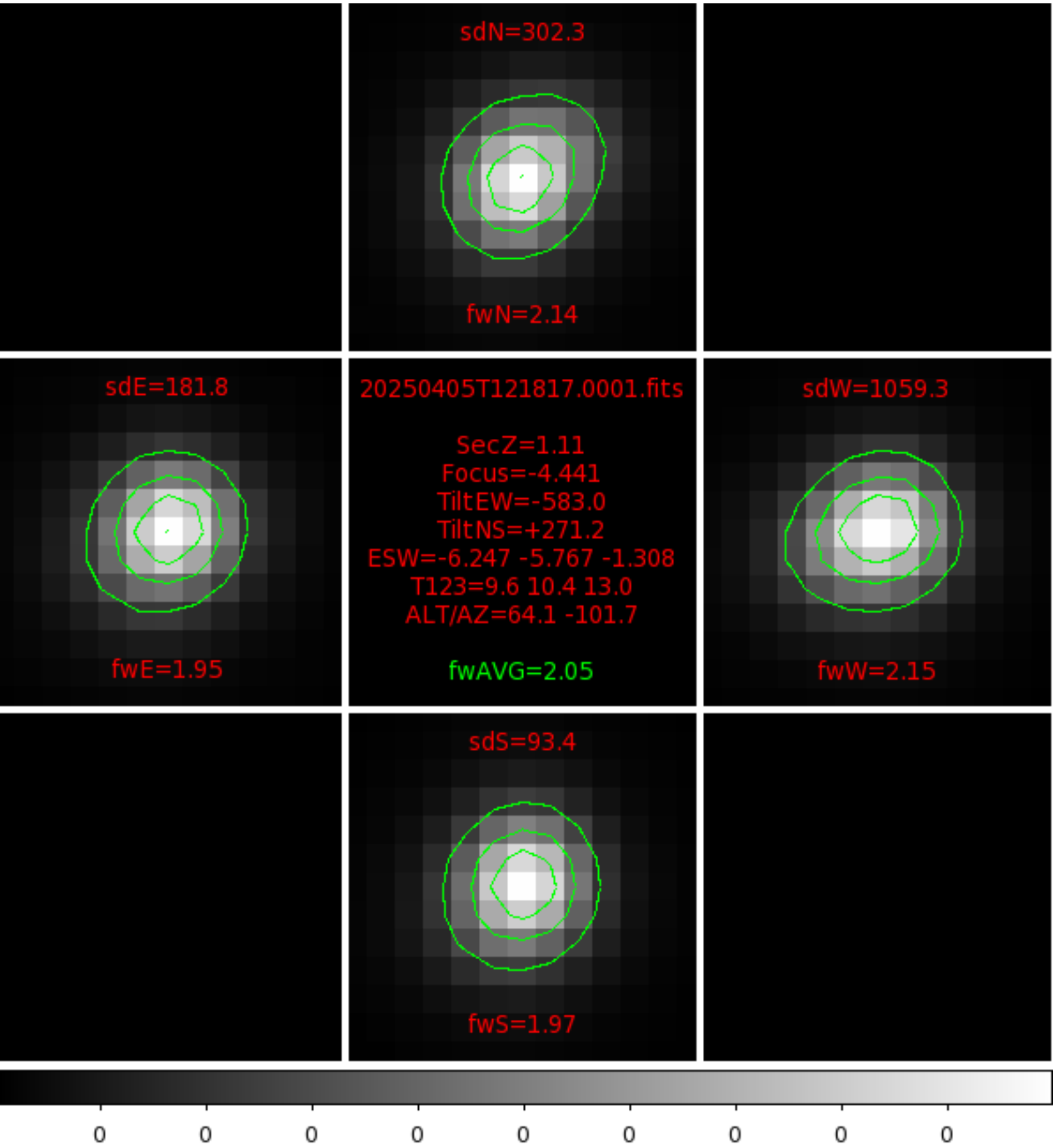
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Focus=-4.441
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TiltNS=+271.2
ESW=-6.247 -5.767 -1.308
T123=9.6 10.4 13.0
ALT/AZ=64.1 -101.7
fwAVG=2.05
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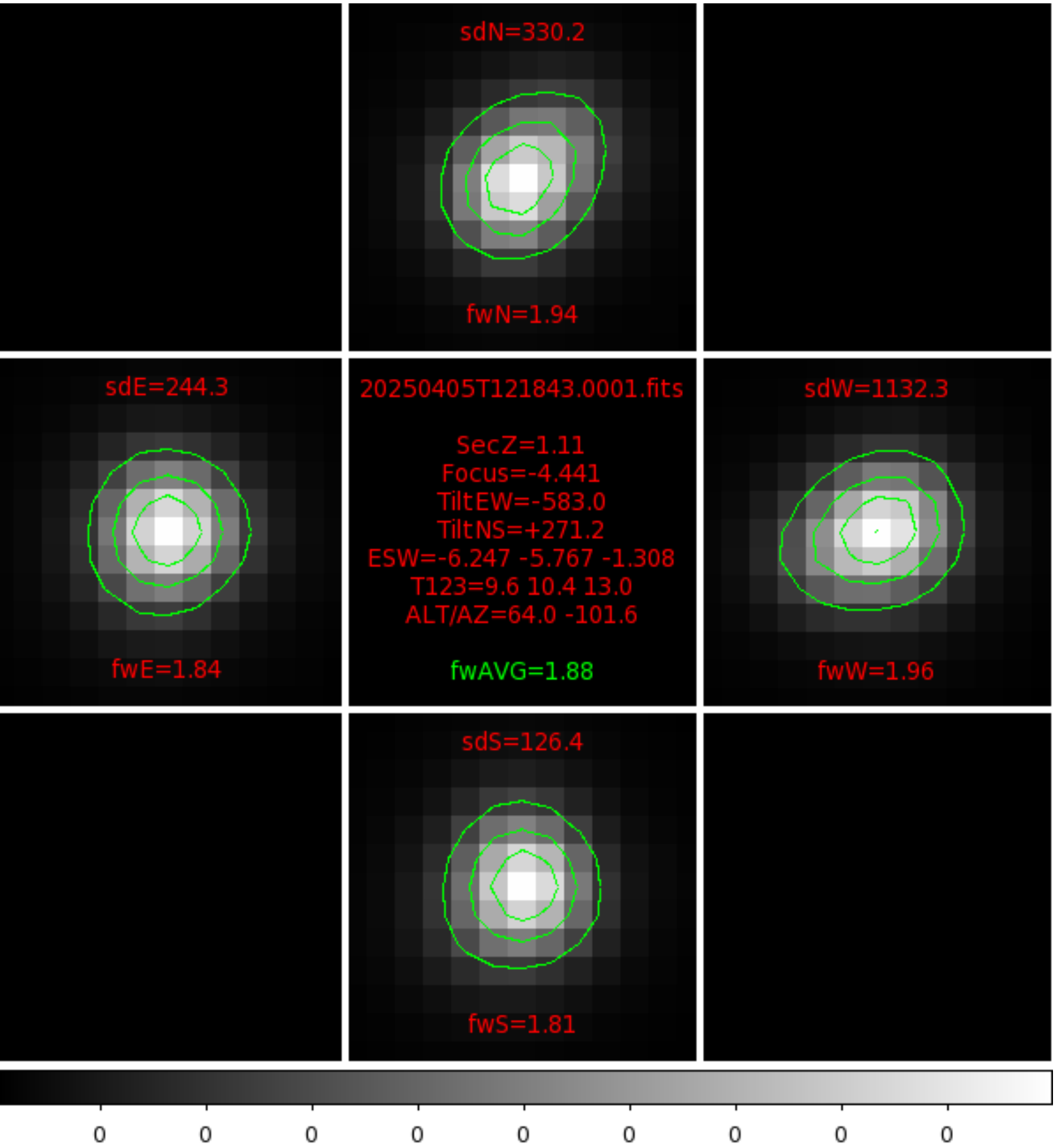
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TiltNS=+271.2
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T123=9.6 10.4 13.0
ALT/AZ=64.0 -101.6
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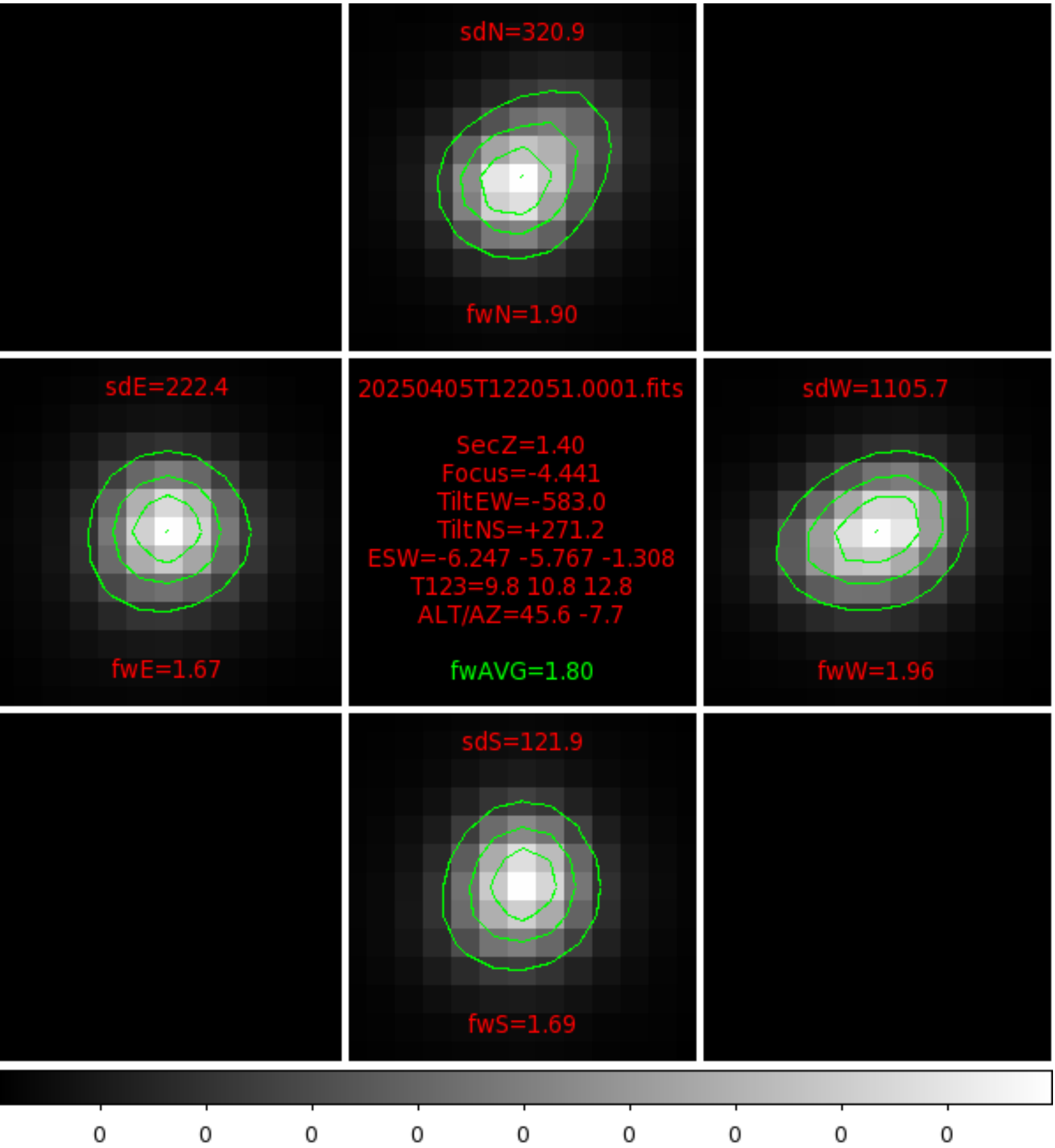
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.247 -5.767 -1.308
T123=9.8 10.8 12.8
ALT/AZ=45.6 -7.7
fwAVG=1.80
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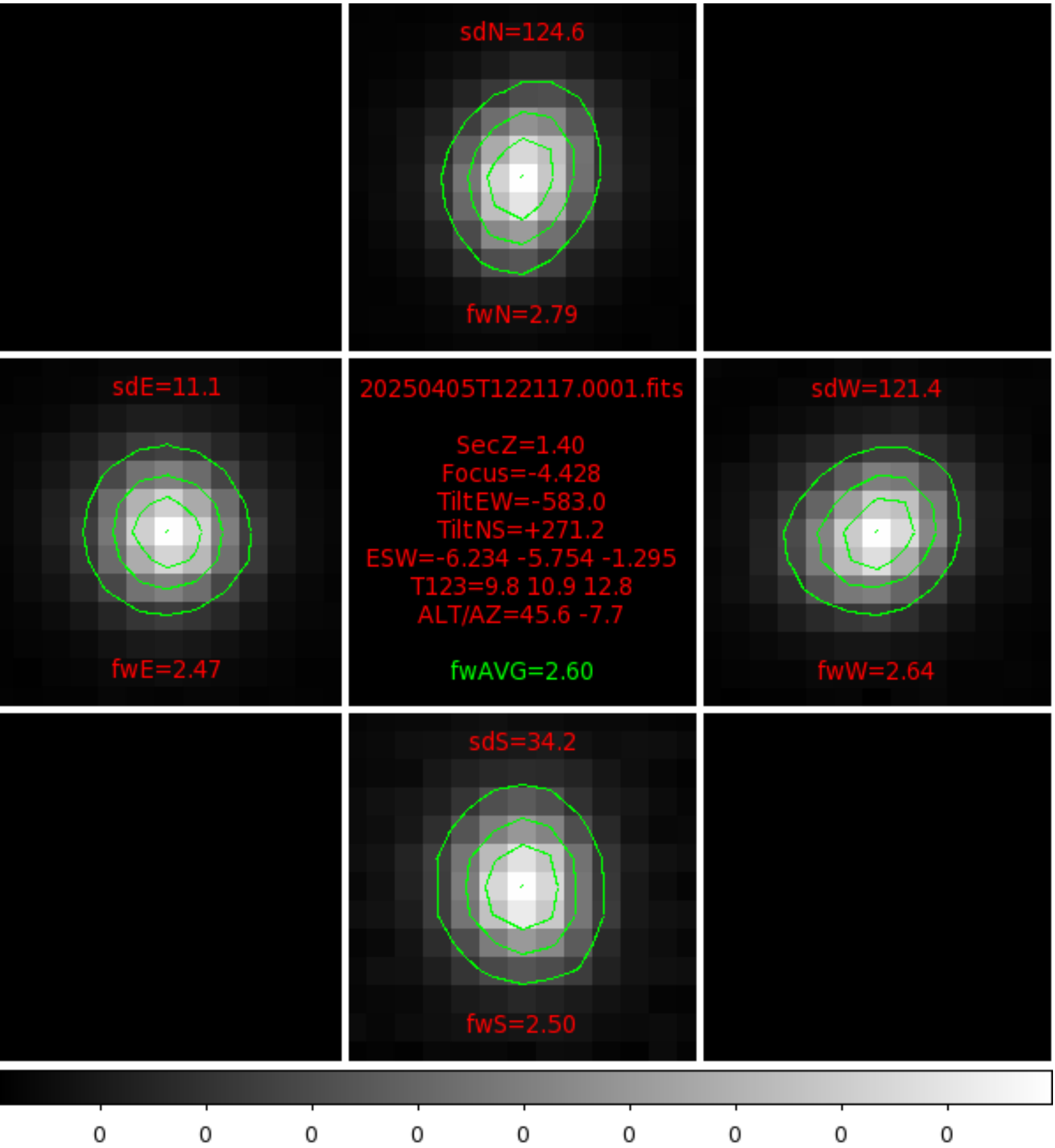
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sdE=11.1
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SecZ=1.40
Focus=-4.428
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TiltNS=+271.2
ESW=-6.234 -5.754 -1.295
T123=9.8 10.9 12.8
ALT/AZ=45.6 -7.7
fwAVG=2.60
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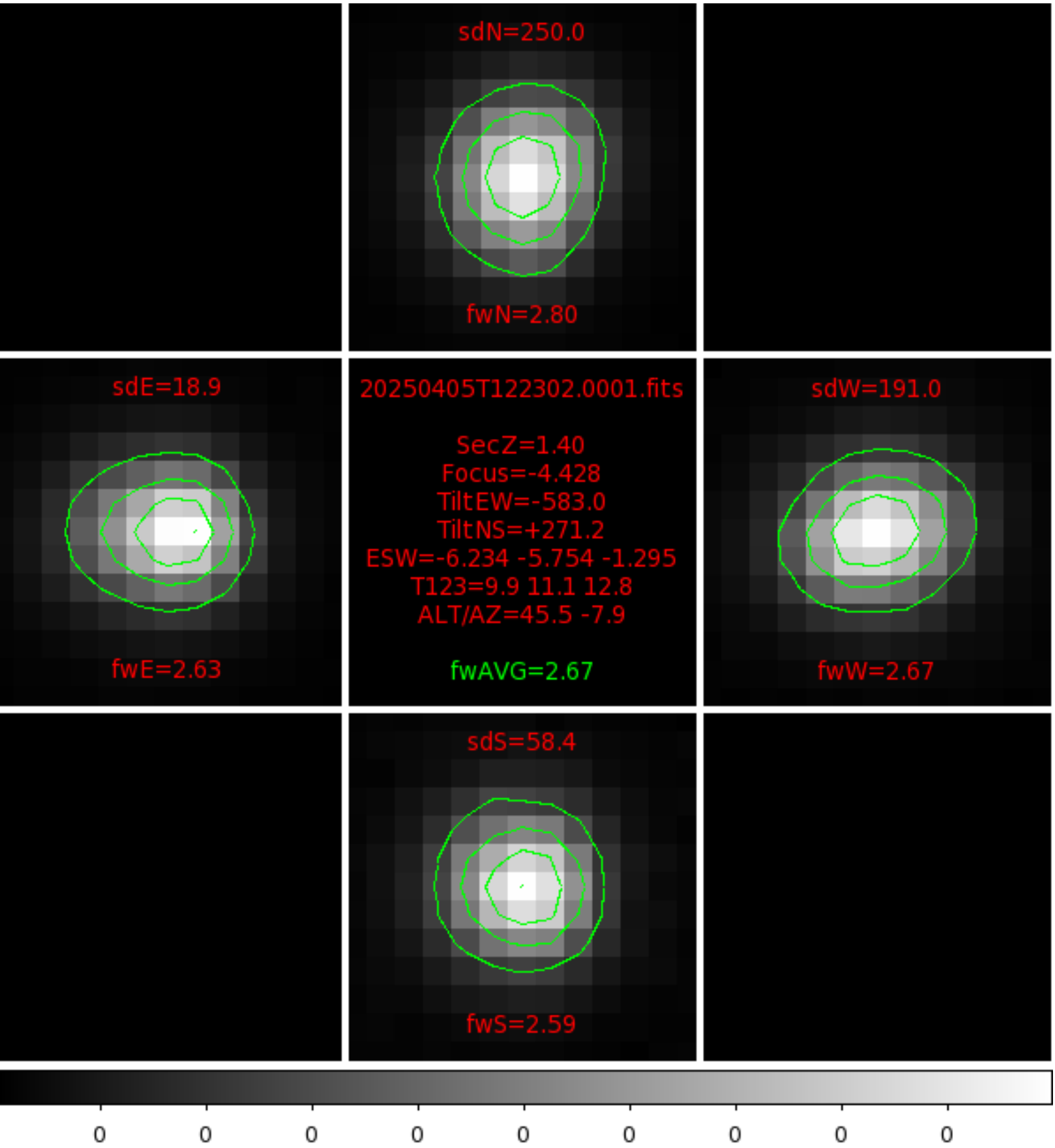
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SecZ=1.40
Focus=-4.428
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.234 -5.754 -1.295
T123=9.9 11.1 12.8
ALT/AZ=45.5 -7.9
fwAVG=2.67
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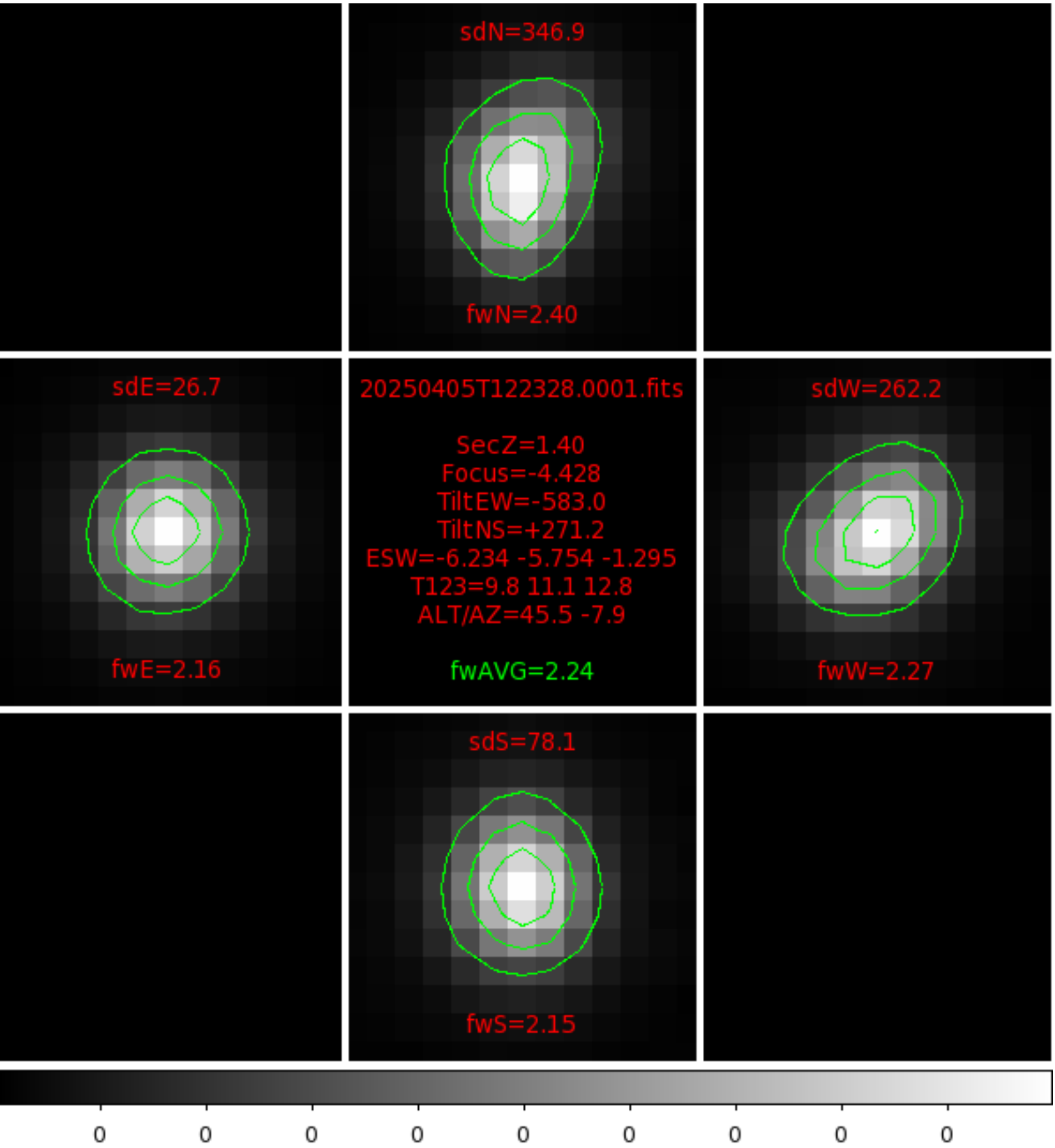
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SecZ=1.40
Focus=-4.428
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.234 -5.754 -1.295
T123=9.8 11.1 12.8
ALT/AZ=45.5 -7.9
fwAVG=2.24
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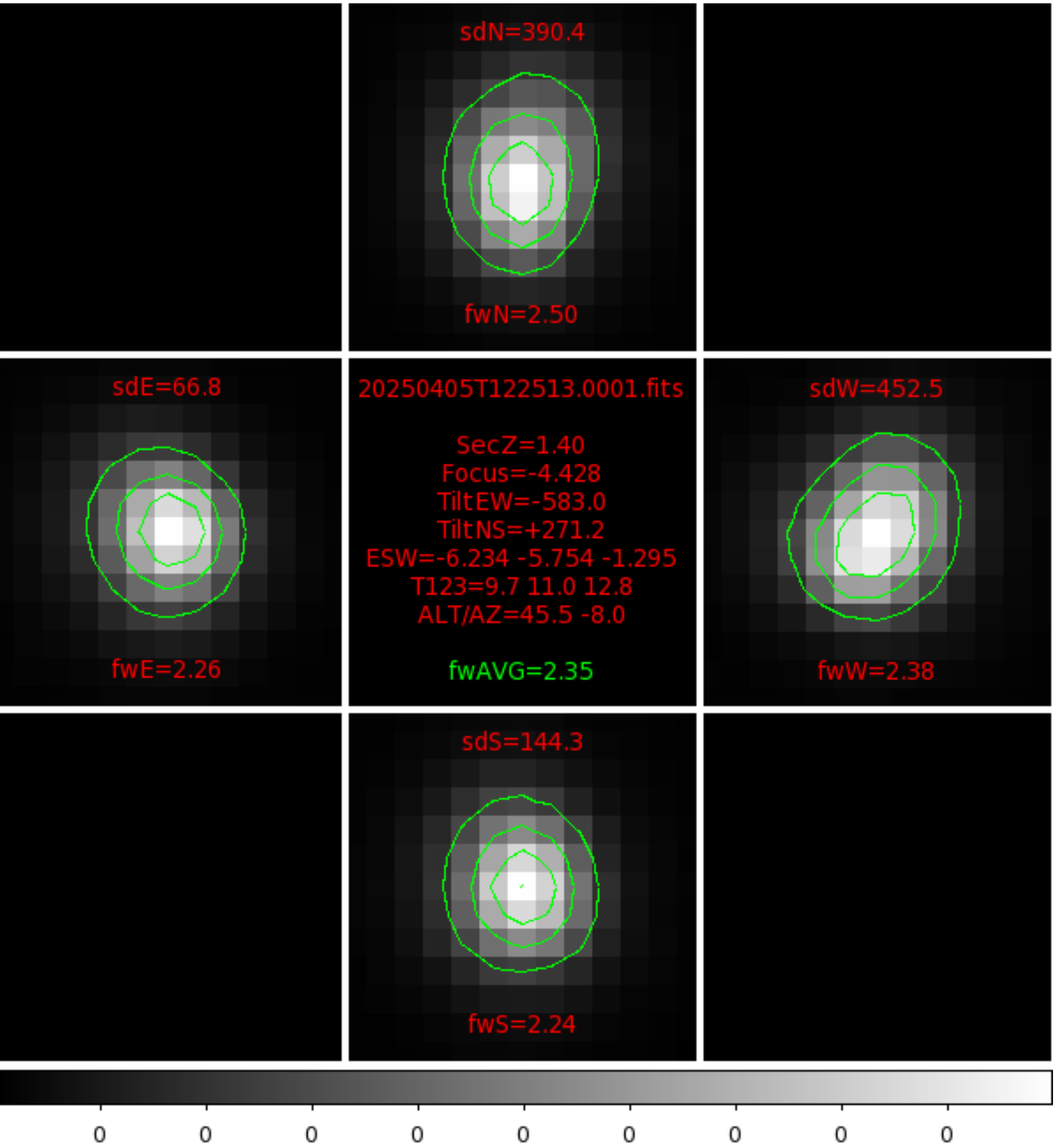
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20250405T122513.0001.fits
SecZ=1.40
Focus=-4.428
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.234 -5.754 -1.295
T123=9.7 11.0 12.8
ALT/AZ=45.5 -8.0
fwAVG=2.35
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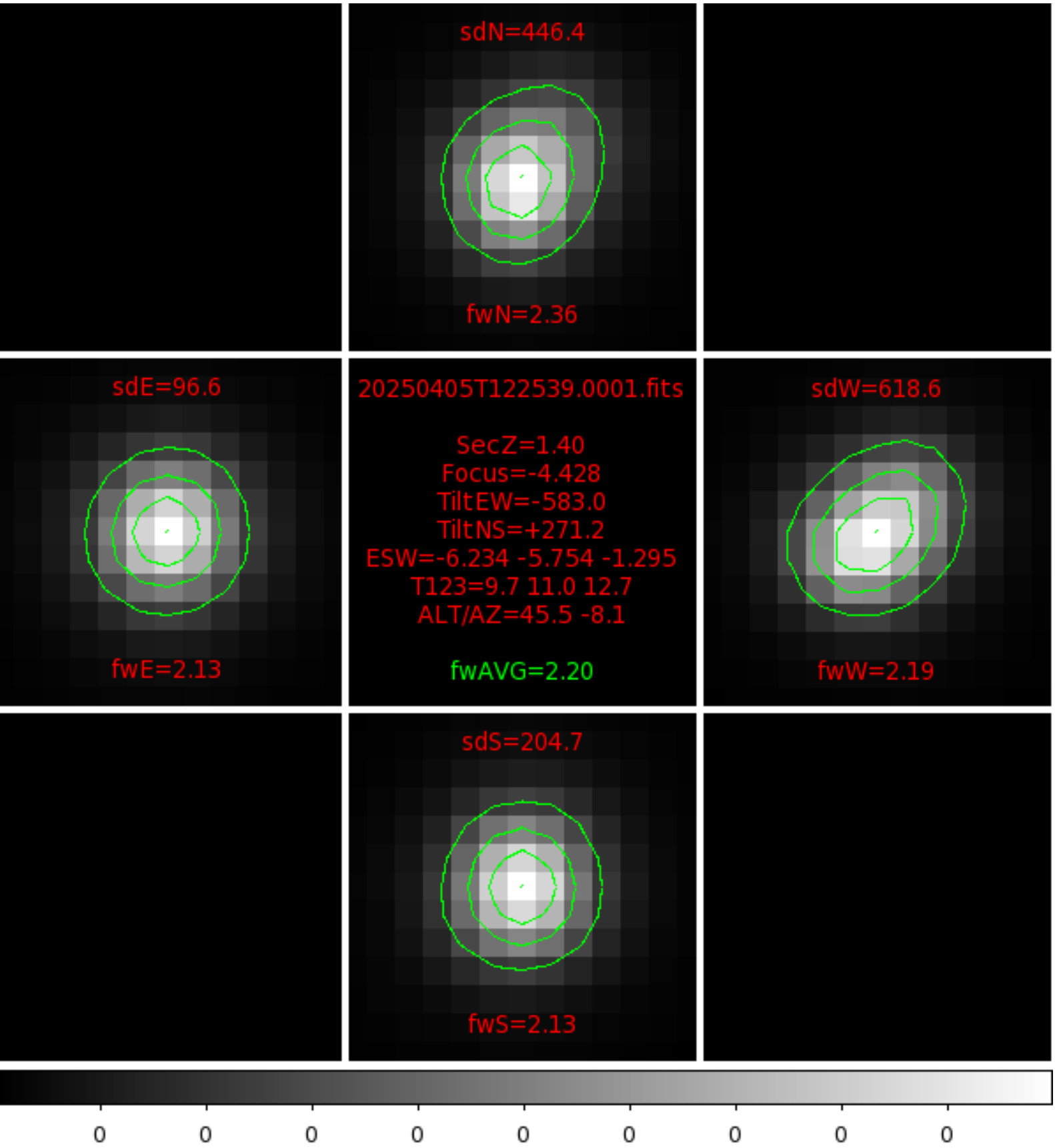
sdN=446.4
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SecZ=1.40
Focus=-4.428
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.234 -5.754 -1.295
T123=9.7 11.0 12.7
ALT/AZ=45.5 -8.1
fwAVG=2.20
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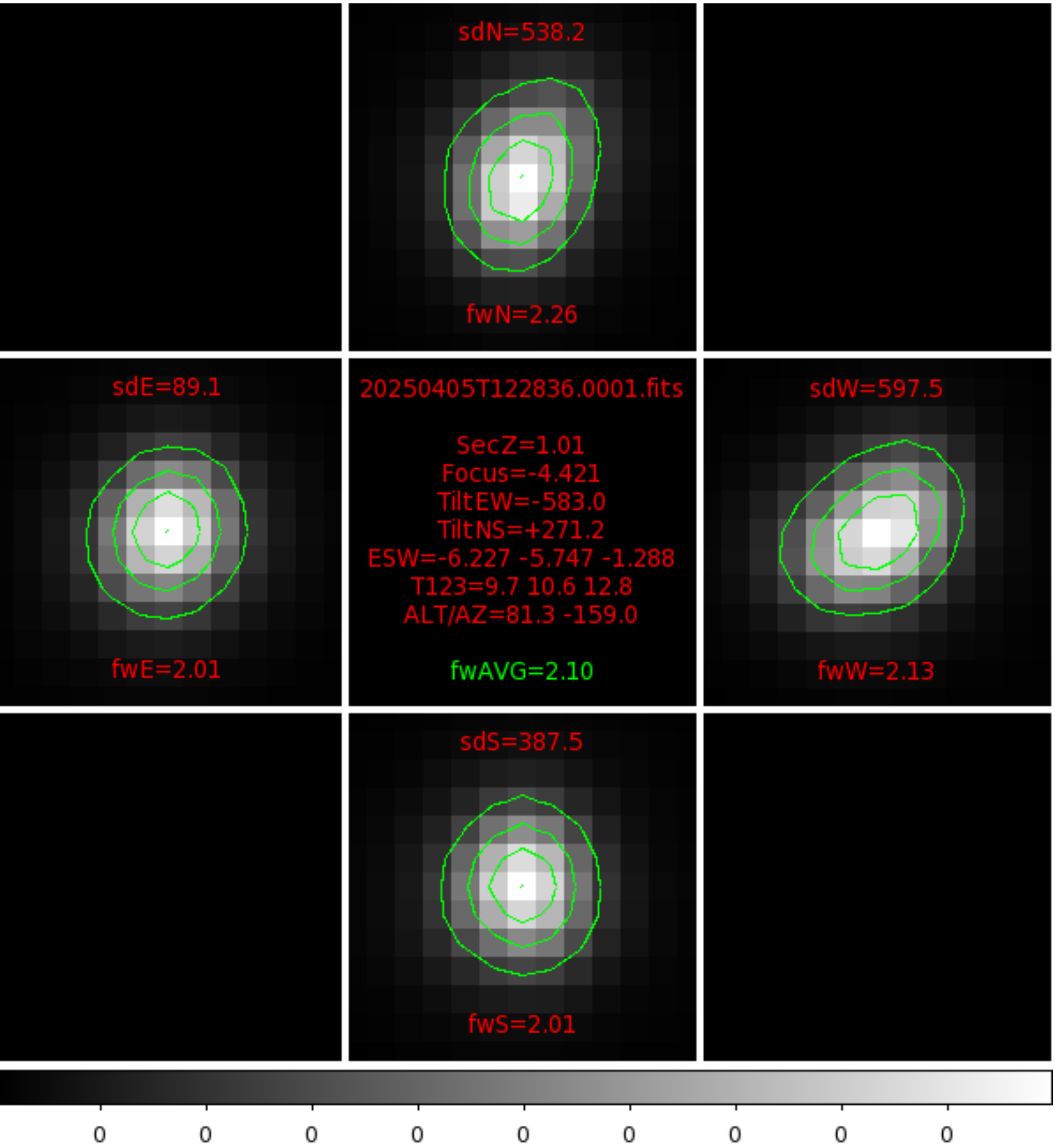
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Focus=-4.421
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.227 -5.747 -1.288
T123=9.7 10.6 12.8
ALT/AZ=81.3 -159.0
fwAVG=2.10
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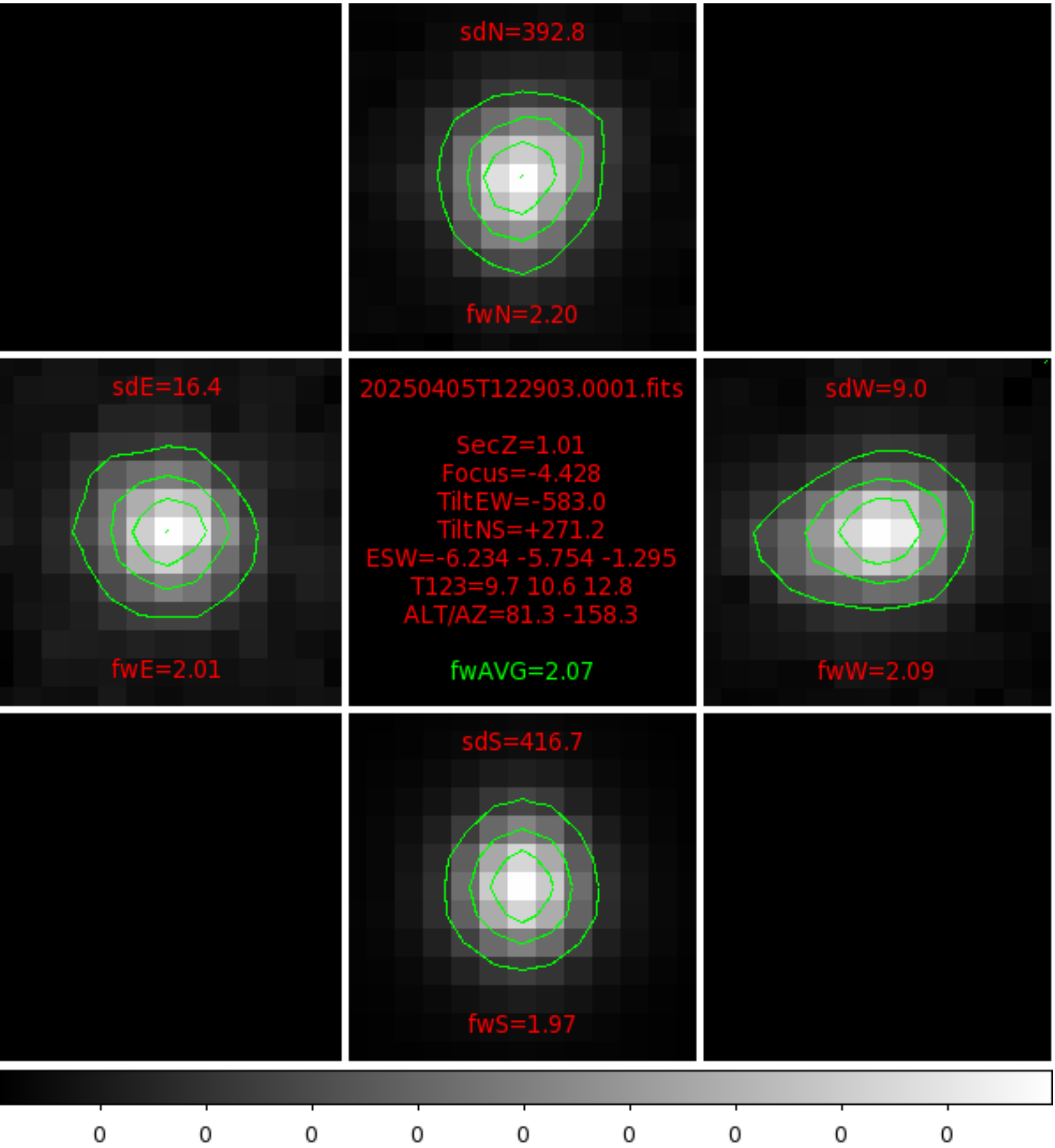
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SecZ=1.01
Focus=-4.428
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.234 -5.754 -1.295
T123=9.7 10.6 12.8
ALT/AZ=81.3 -158.3
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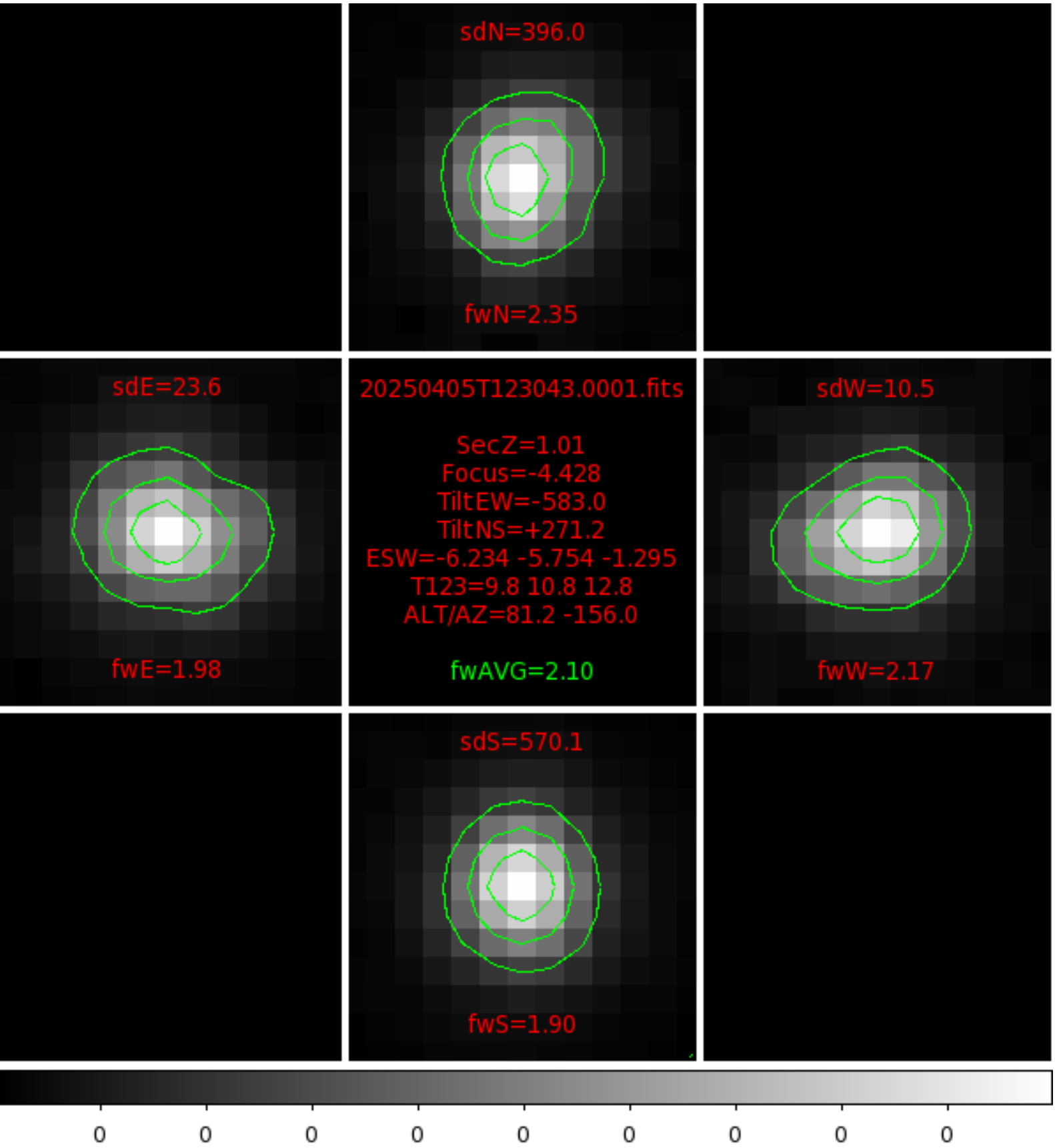
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sdE=23.6
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SecZ=1.01
Focus=-4.428
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.234 -5.754 -1.295
T123=9.8 10.8 12.8
ALT/AZ=81.2 -156.0
fwAVG=2.10
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sdS=570.1
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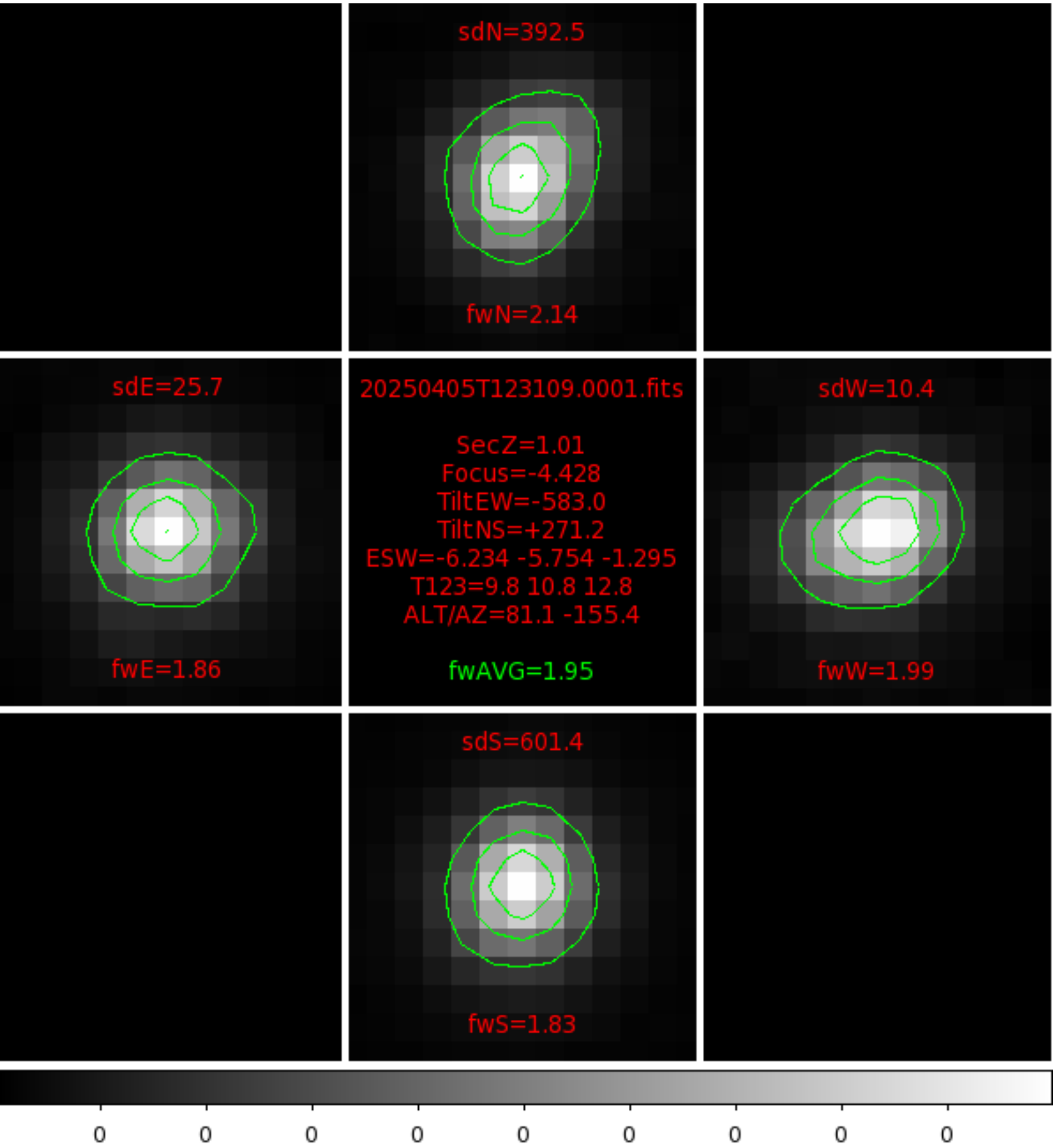
sdN=392.5
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SecZ=1.01
Focus=-4.428
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.234 -5.754 -1.295
T123=9.8 10.8 12.8
ALT/AZ=81.1 -155.4
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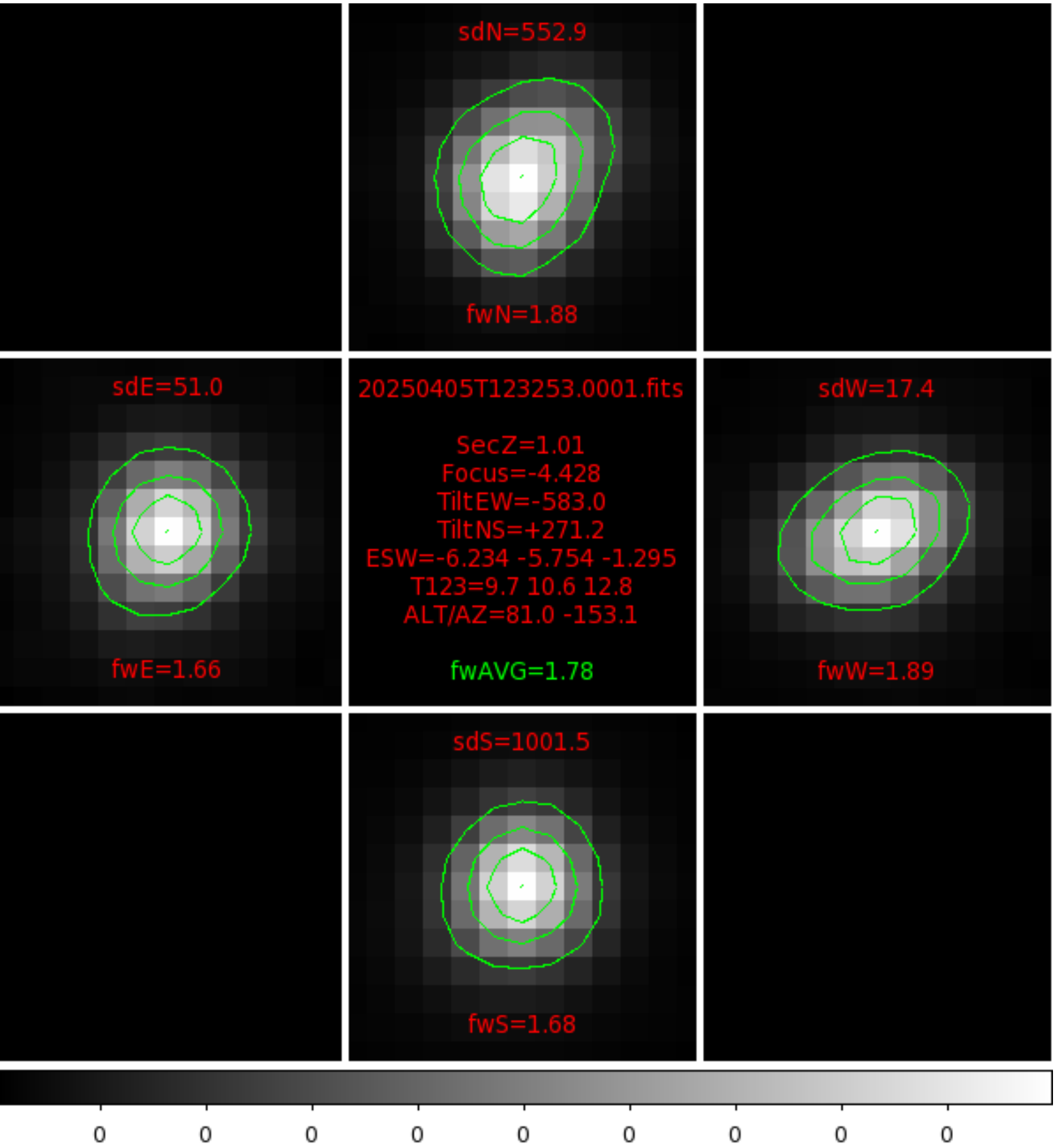
sdN=552.9
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SecZ=1.01
Focus=-4.428
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.234 -5.754 -1.295
T123=9.7 10.6 12.8
ALT/AZ=81.0 -153.1
fwAVG=1.78
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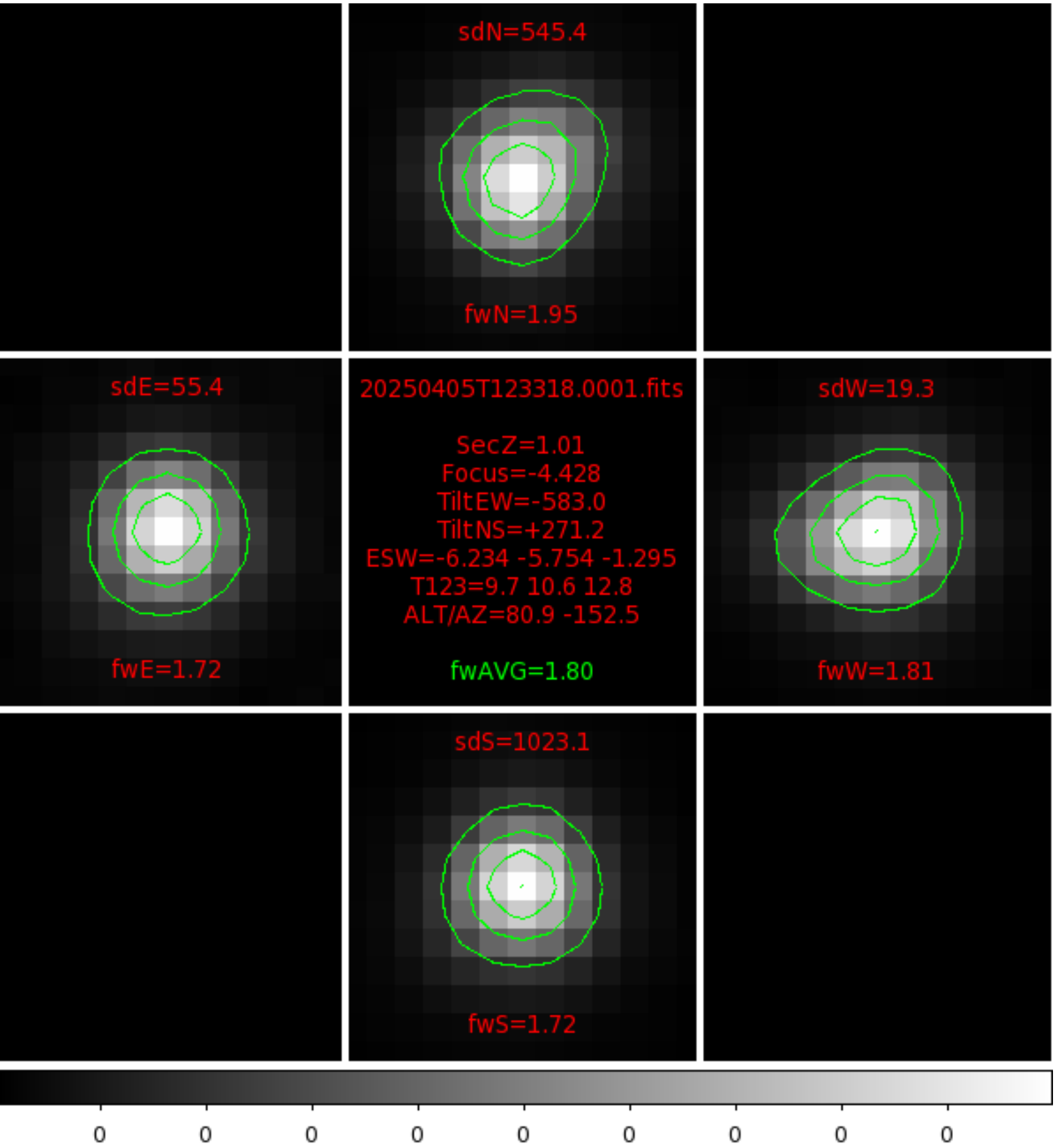
sdN=545.4
fwN=1.95
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fwE=1.72
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SecZ=1.01
Focus=-4.428
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.234 -5.754 -1.295
T123=9.7 10.6 12.8
ALT/AZ=80.9 -152.5
fwAVG=1.80
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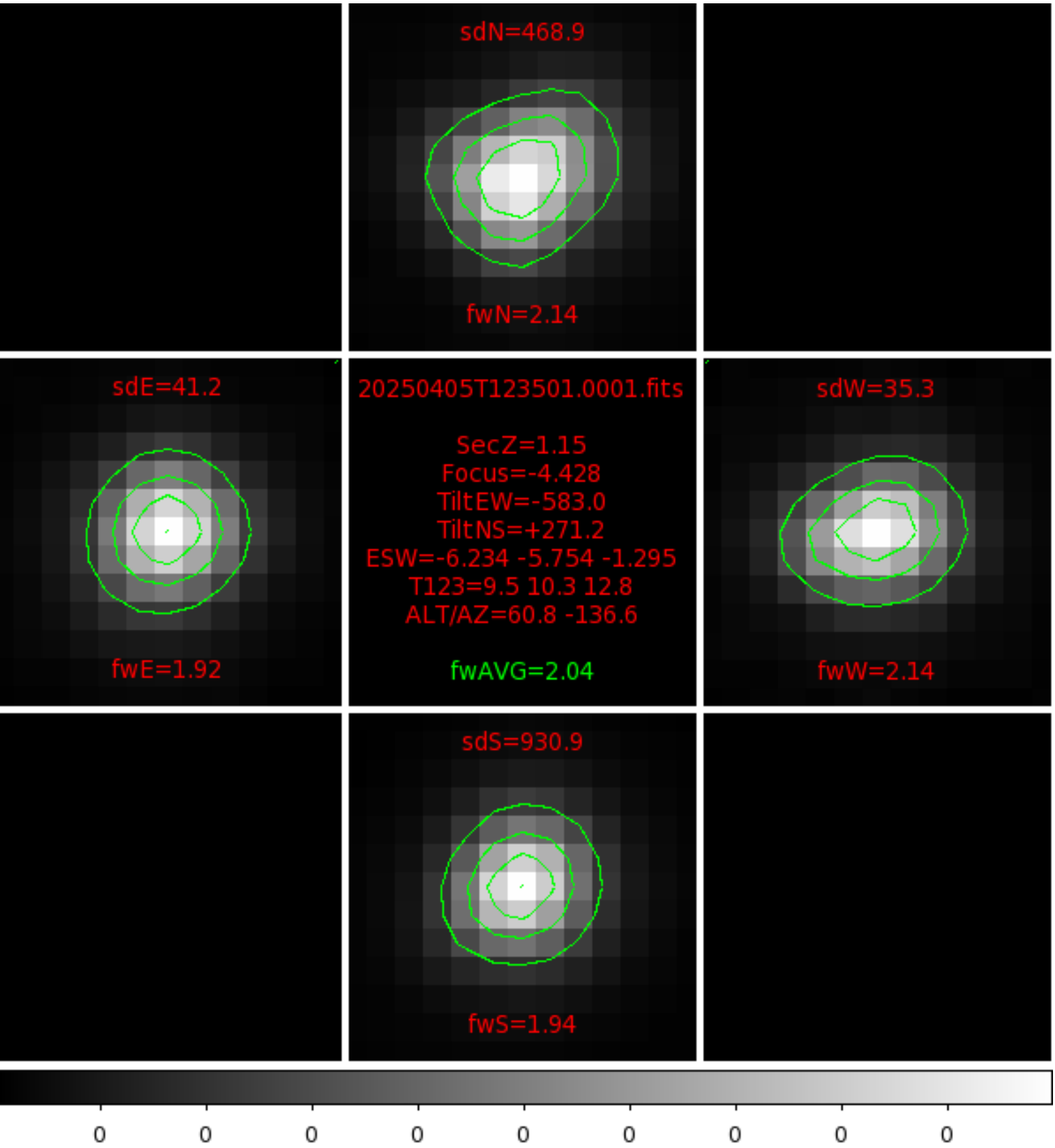
sdN=468.9
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fwE=1.92
20250405T123501.0001.fits
SecZ=1.15
Focus=-4.428
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.234 -5.754 -1.295
T123=9.5 10.3 12.8
ALT/AZ=60.8 -136.6
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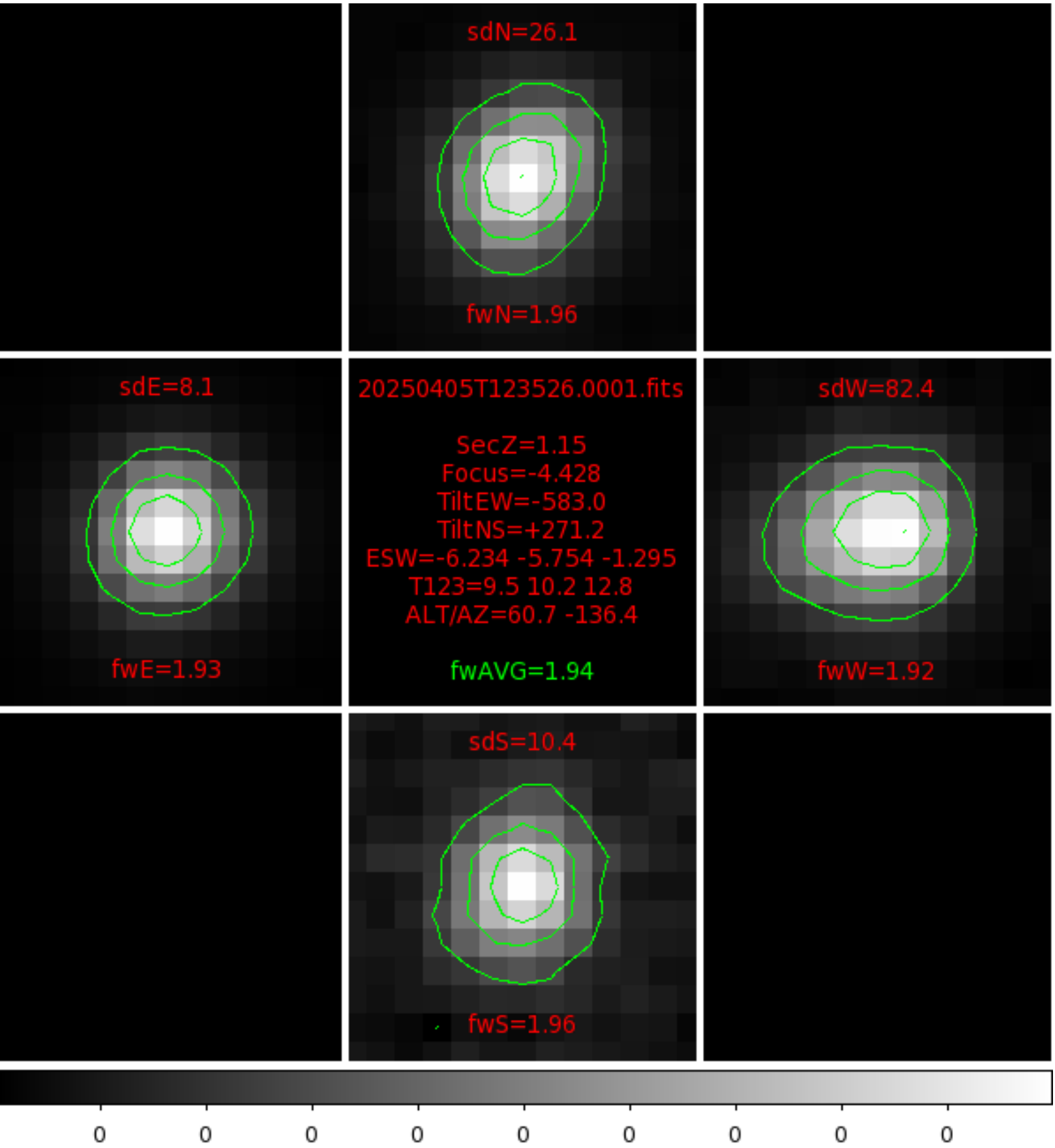
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sdE=8.1
fwE=1.93
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SecZ=1.15
Focus=-4.428
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.234 -5.754 -1.295
T123=9.5 10.2 12.8
ALT/AZ=60.7 -136.4
fwAVG=1.94
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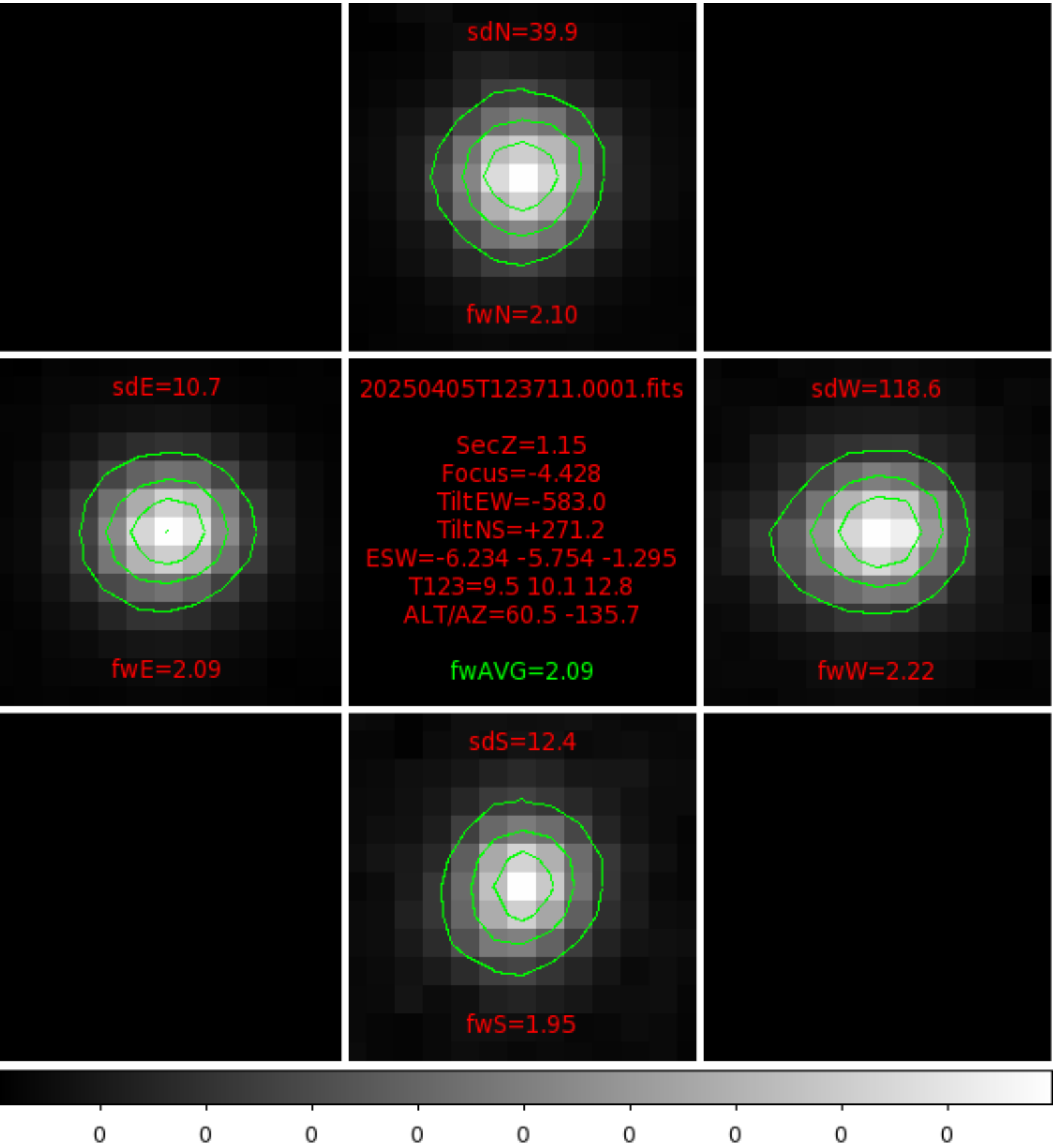
sdN=39.9
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fwE=2.09
20250405T123711.0001.fits
SecZ=1.15
Focus=-4.428
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.234 -5.754 -1.295
T123=9.5 10.1 12.8
ALT/AZ=60.5 -135.7
fwAVG=2.09
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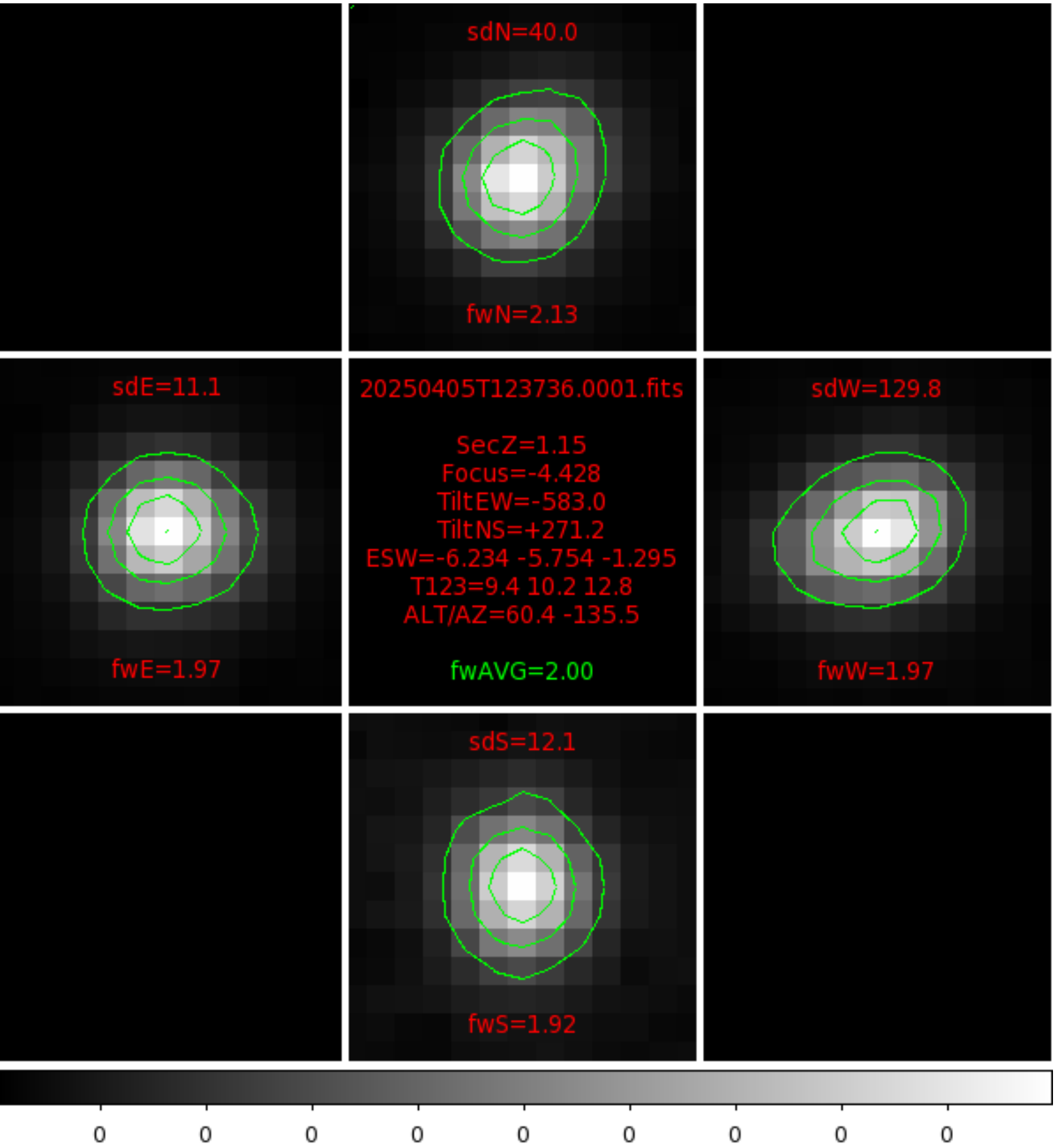
sdN=40.0
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fwE=1.97
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SecZ=1.15
Focus=-4.428
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.234 -5.754 -1.295
T123=9.4 10.2 12.8
ALT/AZ=60.4 -135.5
fwAVG=2.00
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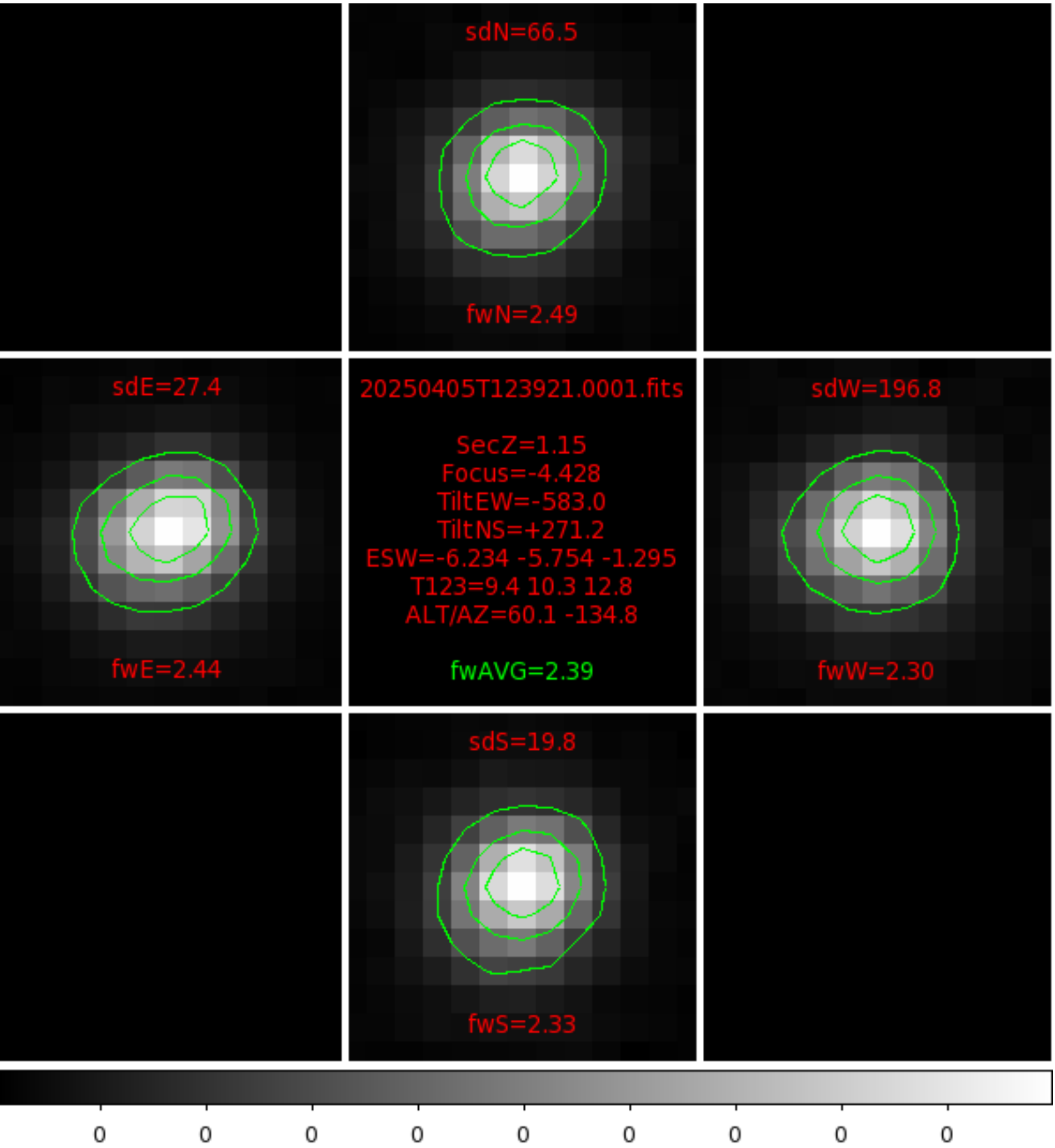
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.234 -5.754 -1.295
T123=9.4 10.3 12.8
ALT/AZ=60.1 -134.8
fwAVG=2.39
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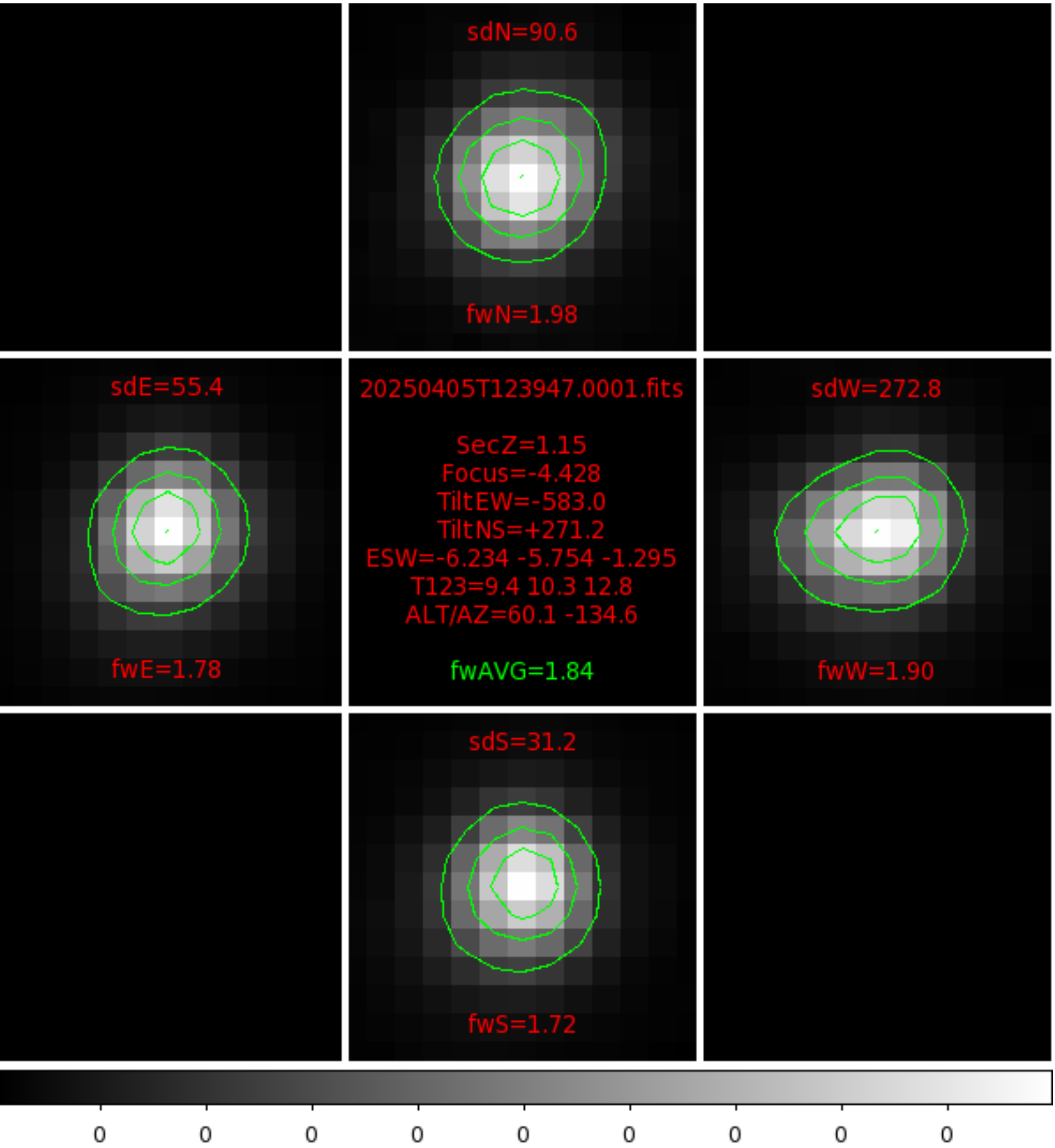
sdN=90.6
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SecZ=1.15
Focus=-4.428
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.234 -5.754 -1.295
T123=9.4 10.3 12.8
ALT/AZ=60.1 -134.6
fwAVG=1.84
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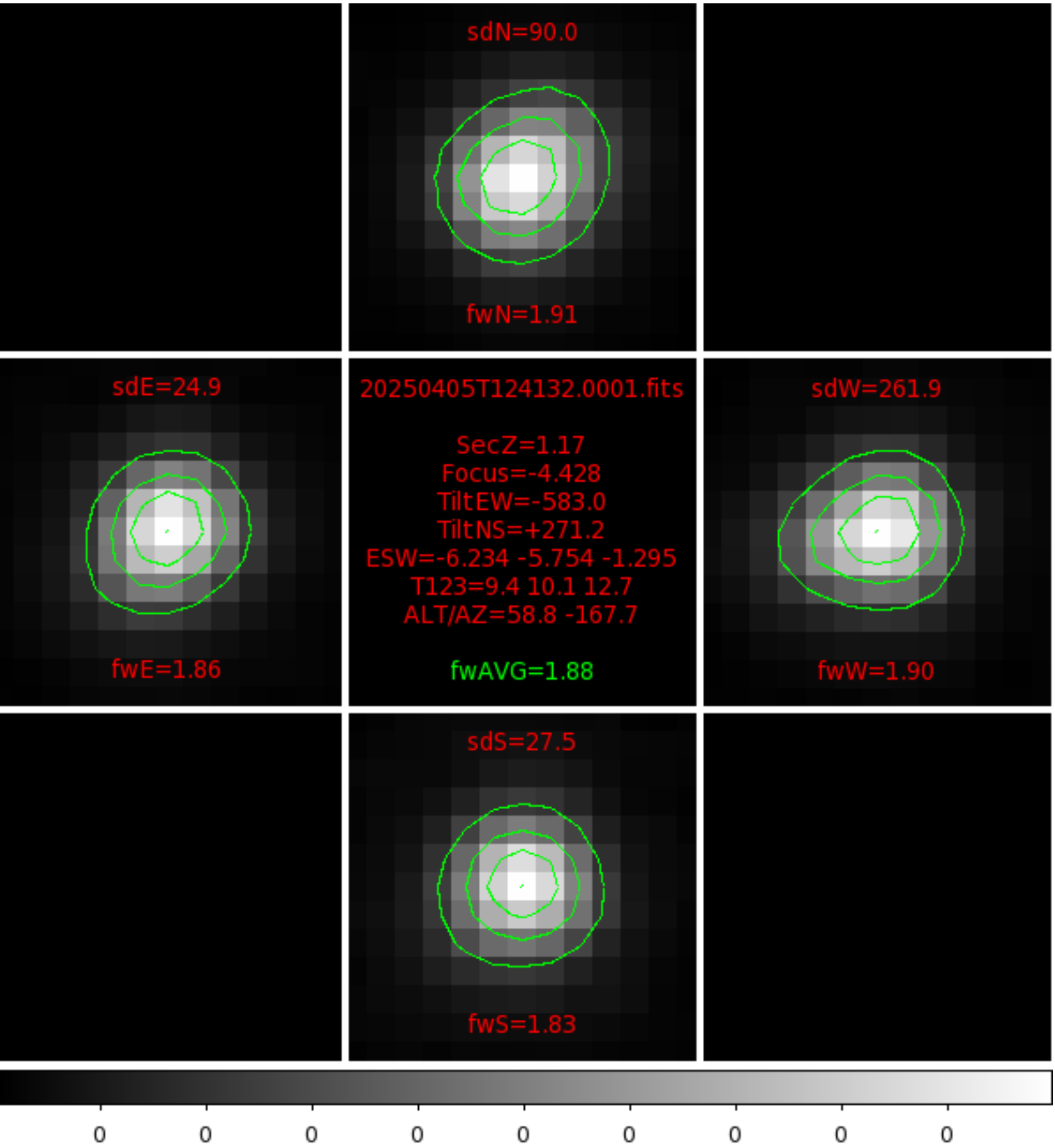
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fwE=1.86
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SecZ=1.17
Focus=-4.428
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.234 -5.754 -1.295
T123=9.4 10.1 12.7
ALT/AZ=58.8 -167.7
fwAVG=1.88
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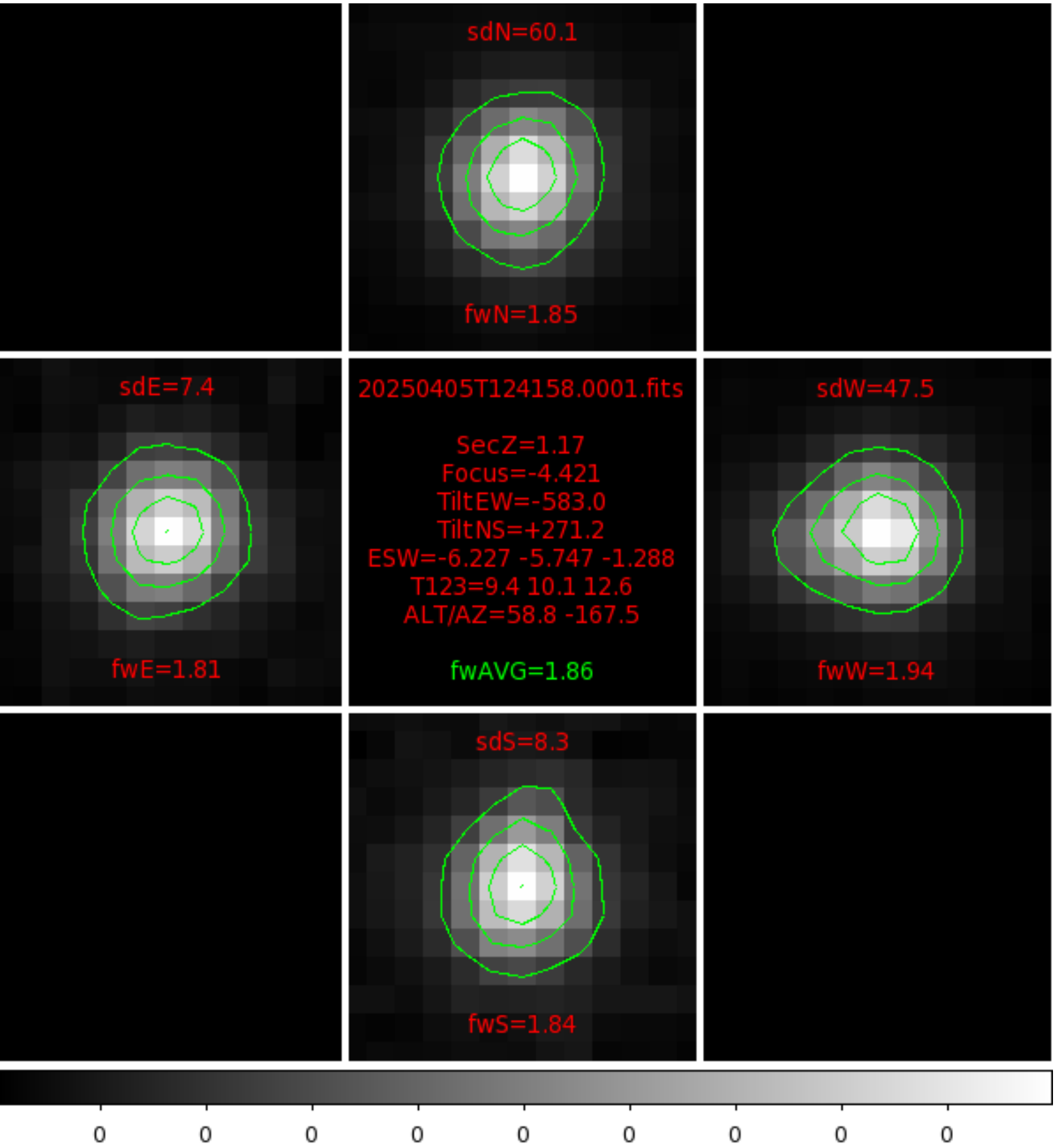
sdN=60.1
fwN=1.85
sdE=7.4
fwE=1.81
20250405T124158.0001.fits
SecZ=1.17
Focus=-4.421
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.227 -5.747 -1.288
T123=9.4 10.1 12.6
ALT/AZ=58.8 -167.5
fwAVG=1.86
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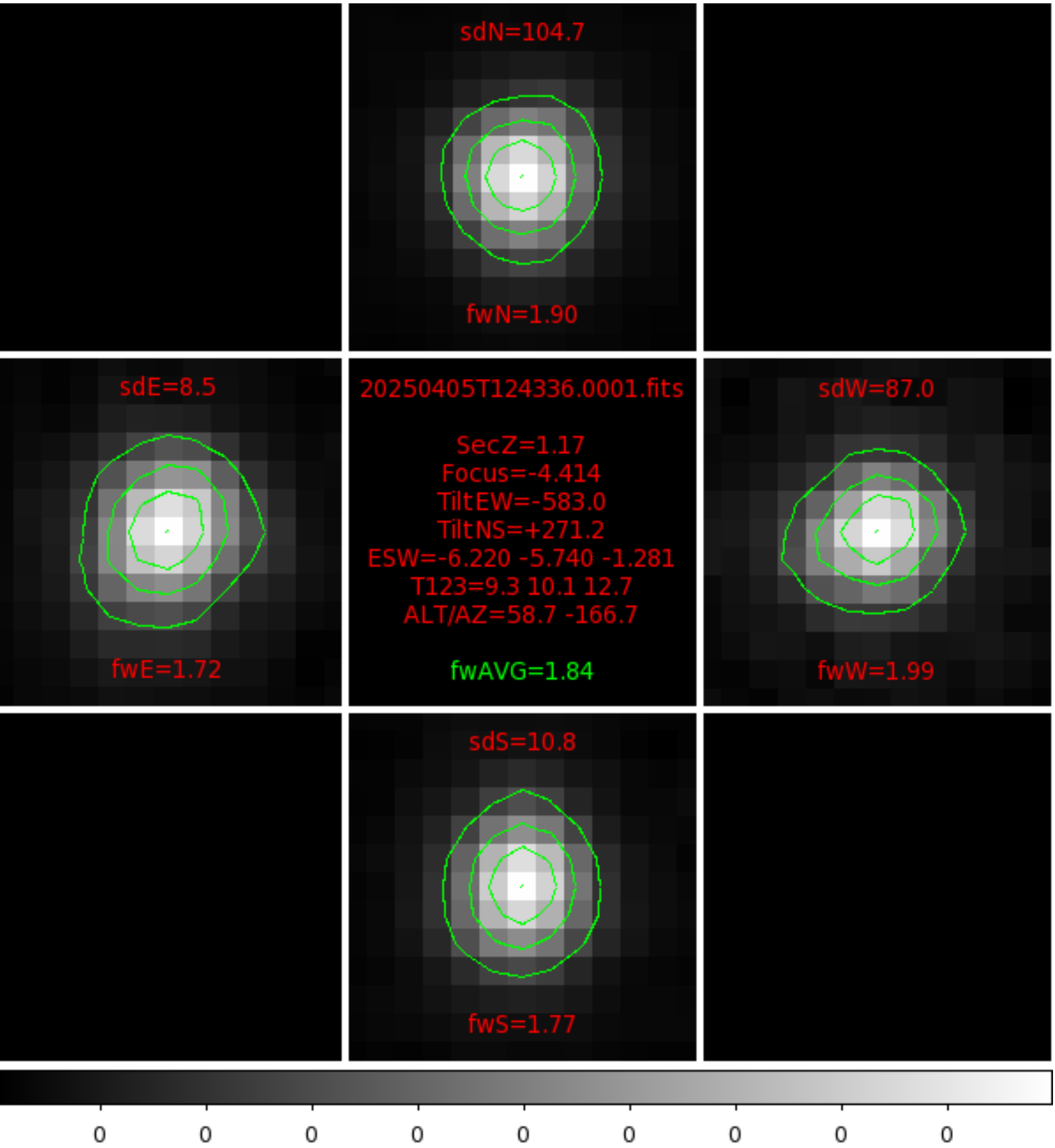
sdN=104.7
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sdE=8.5
fwE=1.72
20250405T124336.0001.fits
SecZ=1.17
Focus=-4.414
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.220 -5.740 -1.281
T123=9.3 10.1 12.7
ALT/AZ=58.7 -166.7
fwAVG=1.84
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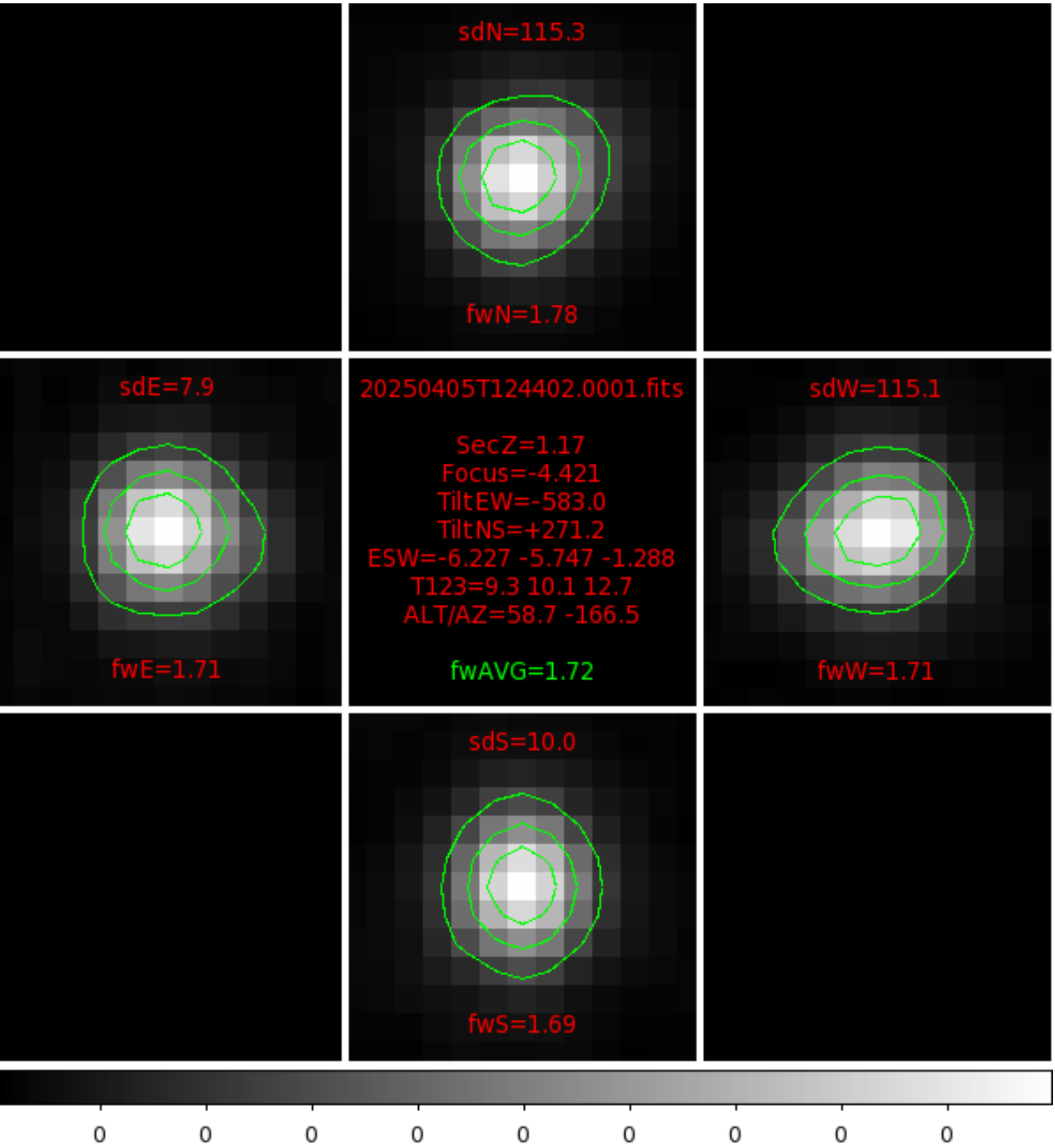
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SecZ=1.17
Focus=-4.421
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.227 -5.747 -1.288
T123=9.3 10.1 12.7
ALT/AZ=58.7 -166.5
fwAVG=1.72
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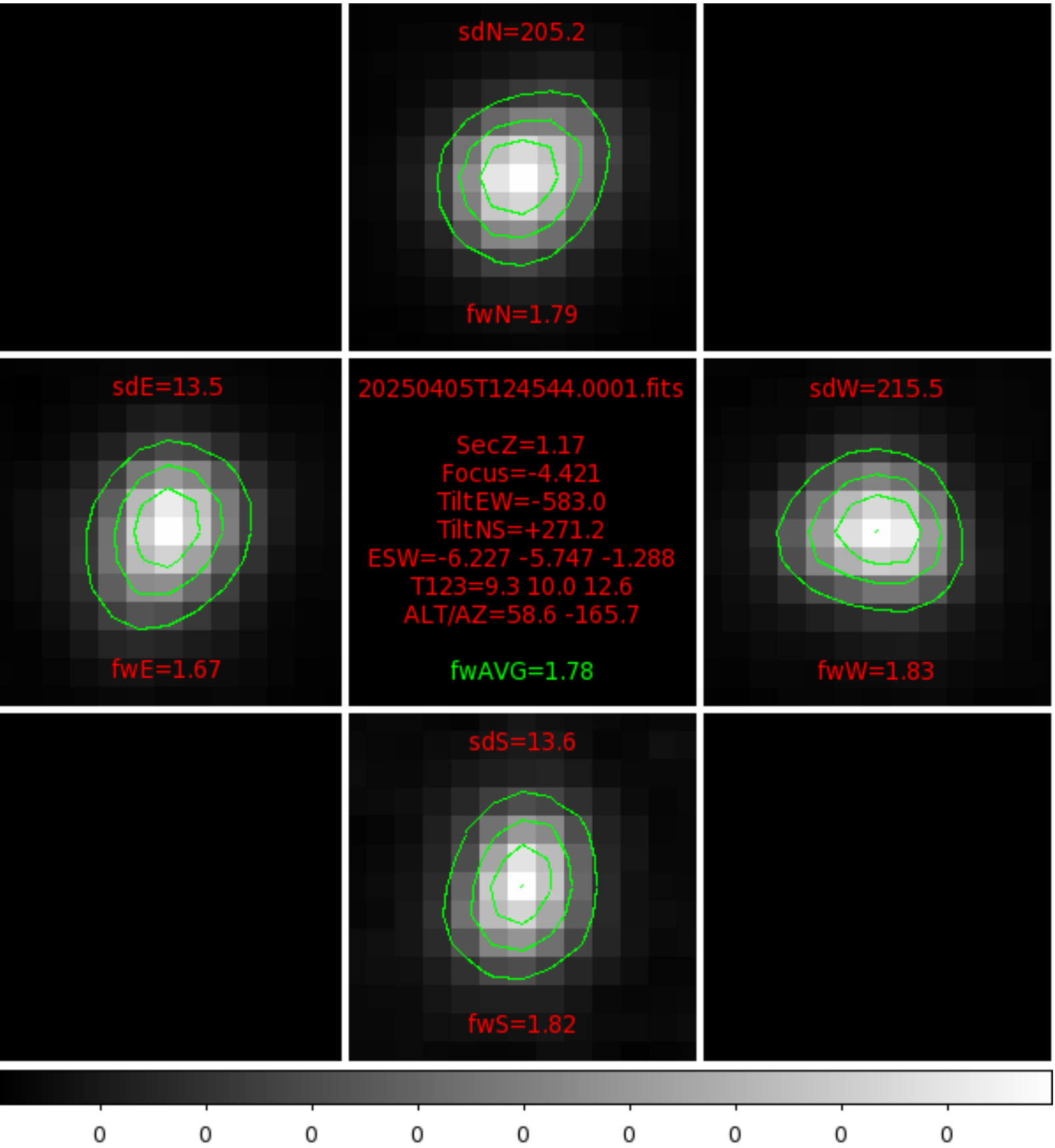
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sdE=13.5
fwE=1.67
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SecZ=1.17
Focus=-4.421
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.227 -5.747 -1.288
T123=9.3 10.0 12.6
ALT/AZ=58.6 -165.7
fwAVG=1.78
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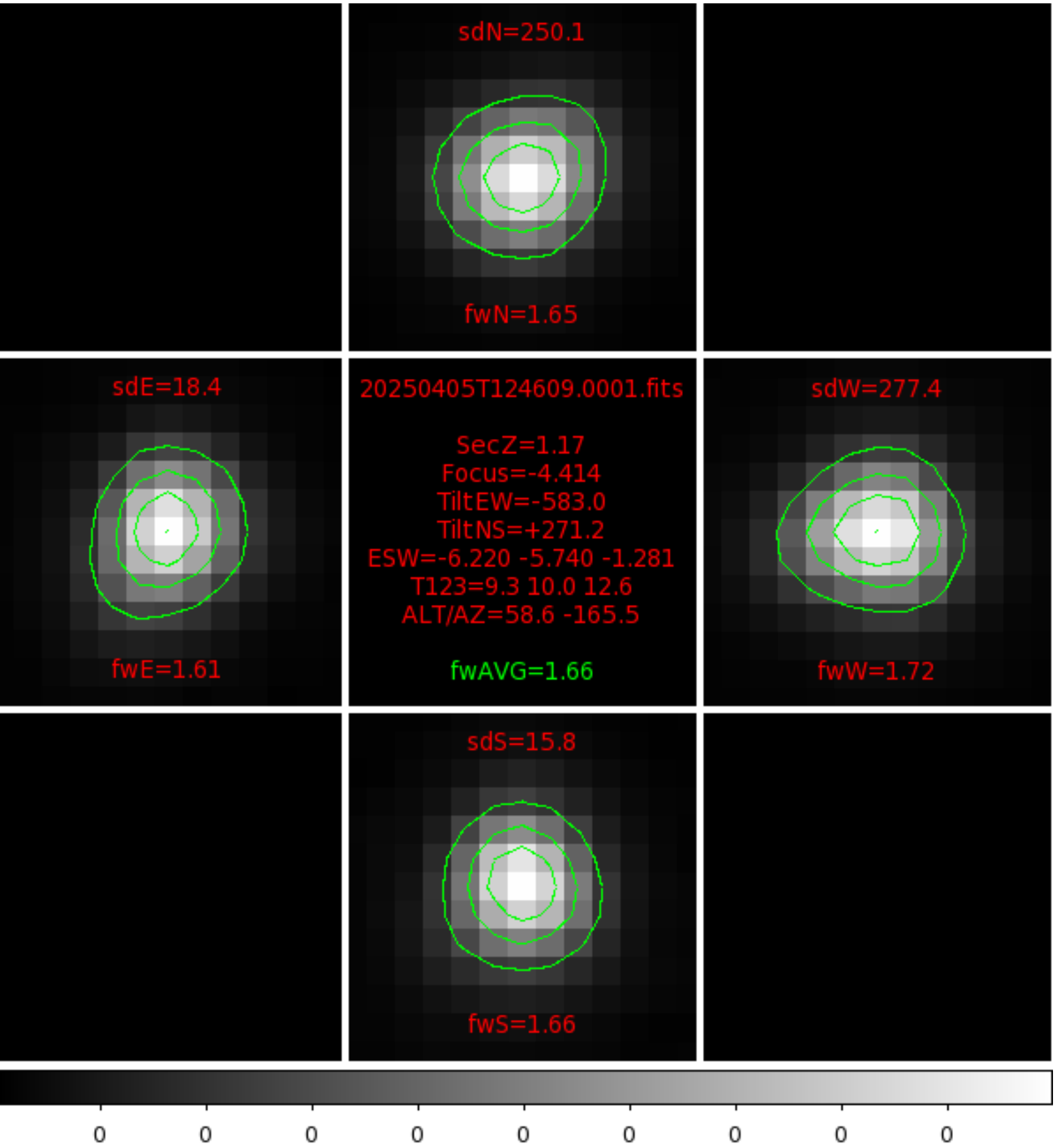
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sdE=18.4
fwE=1.61
20250405T124609.0001.fits
SecZ=1.17
Focus=-4.414
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.220 -5.740 -1.281
T123=9.3 10.0 12.6
ALT/AZ=58.6 -165.5
fwAVG=1.66
sdW=277.4
fwW=1.72
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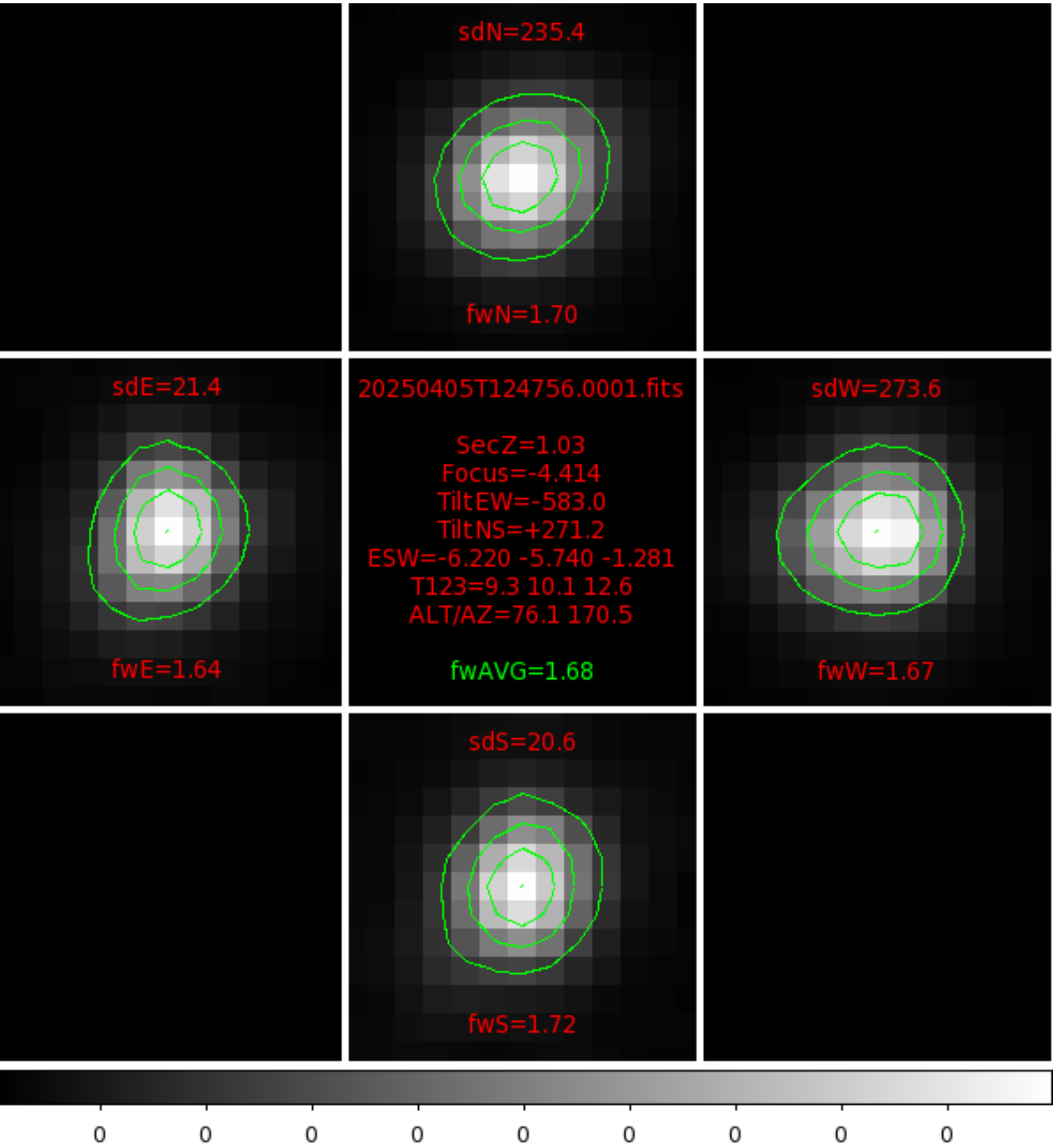
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sdE=21.4
fwE=1.64
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SecZ=1.03
Focus=-4.414
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.220 -5.740 -1.281
T123=9.3 10.1 12.6
ALT/AZ=76.1 170.5
fwAVG=1.68
sdW=273.6
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sdS=20.6
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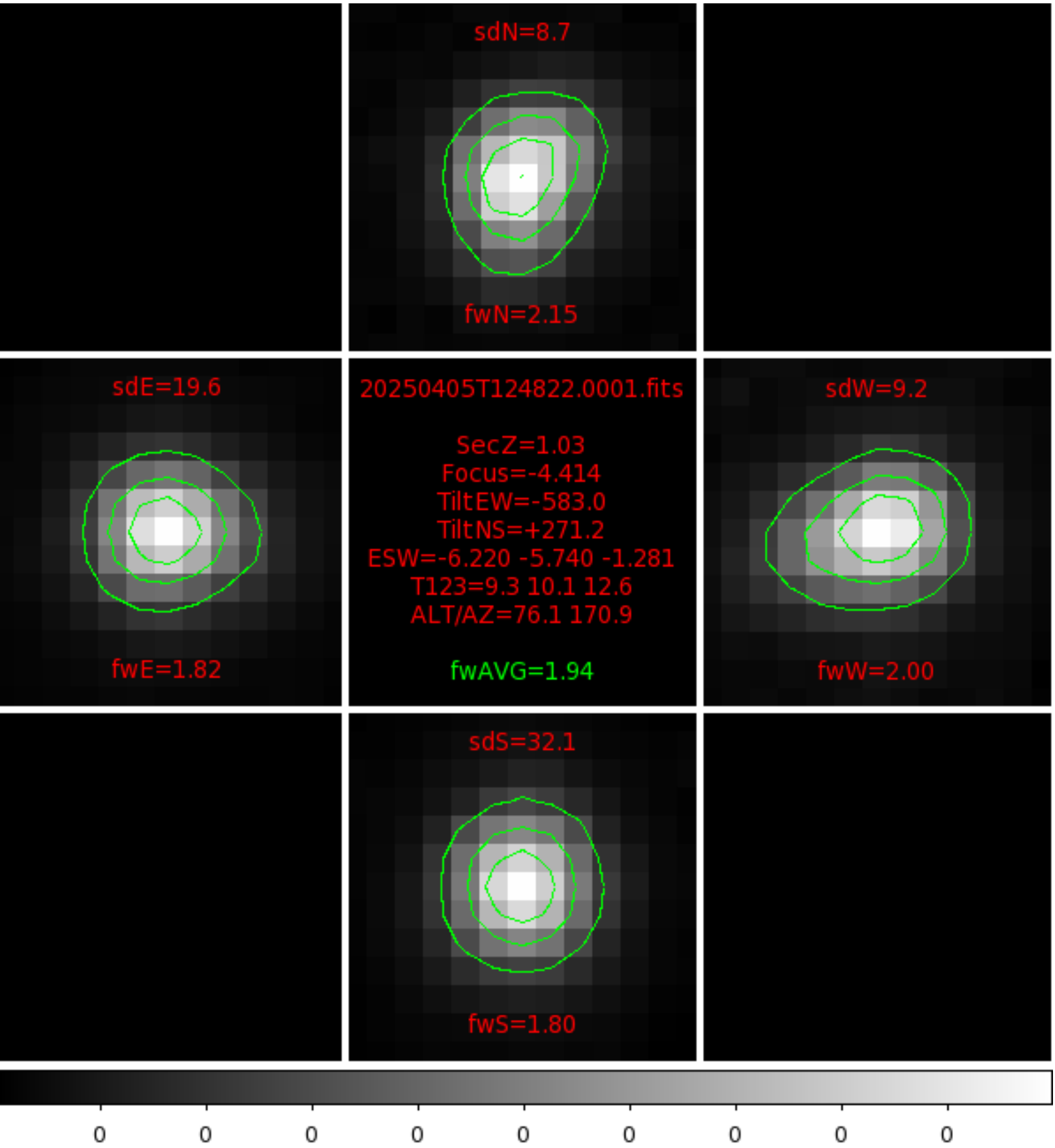
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sdE=19.6
fwE=1.82
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SecZ=1.03
Focus=-4.414
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.220 -5.740 -1.281
T123=9.3 10.1 12.6
ALT/AZ=76.1 170.9
fwAVG=1.94
sdW=9.2
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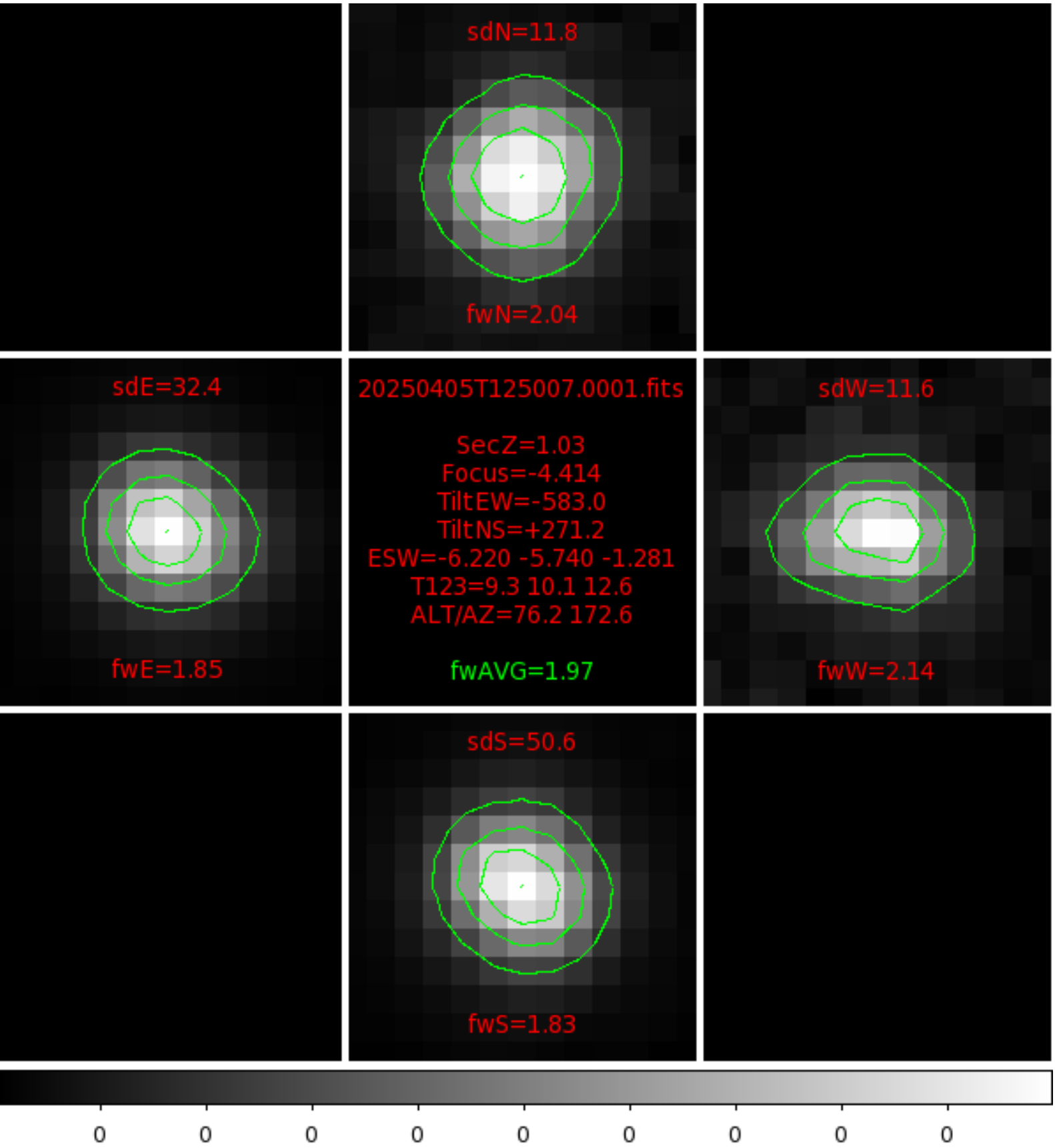
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ESW=-6.220 -5.740 -1.281
T123=9.3 10.1 12.6
ALT/AZ=76.2 172.6
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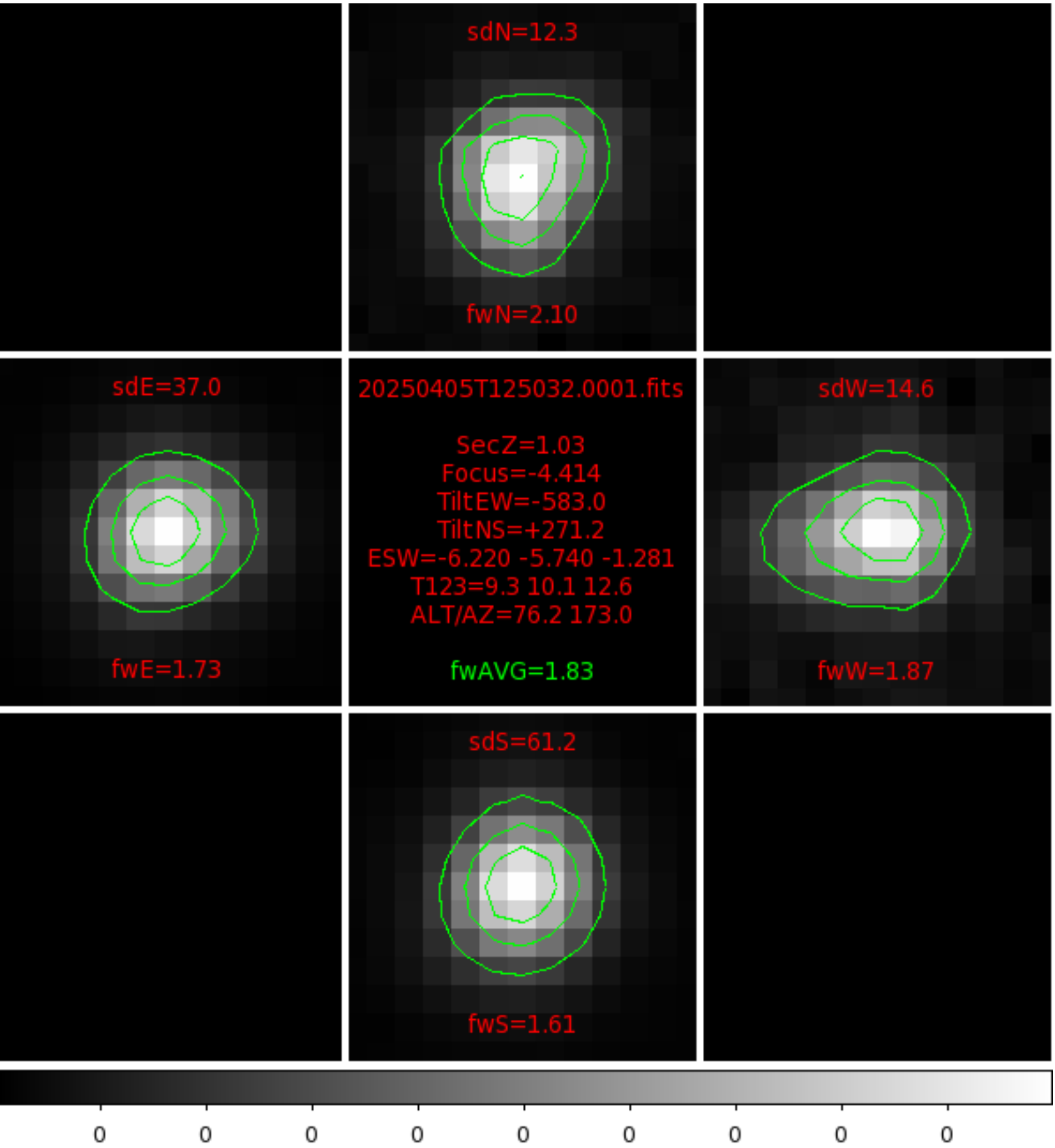
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T123=9.3 10.1 12.6
ALT/AZ=76.2 173.0
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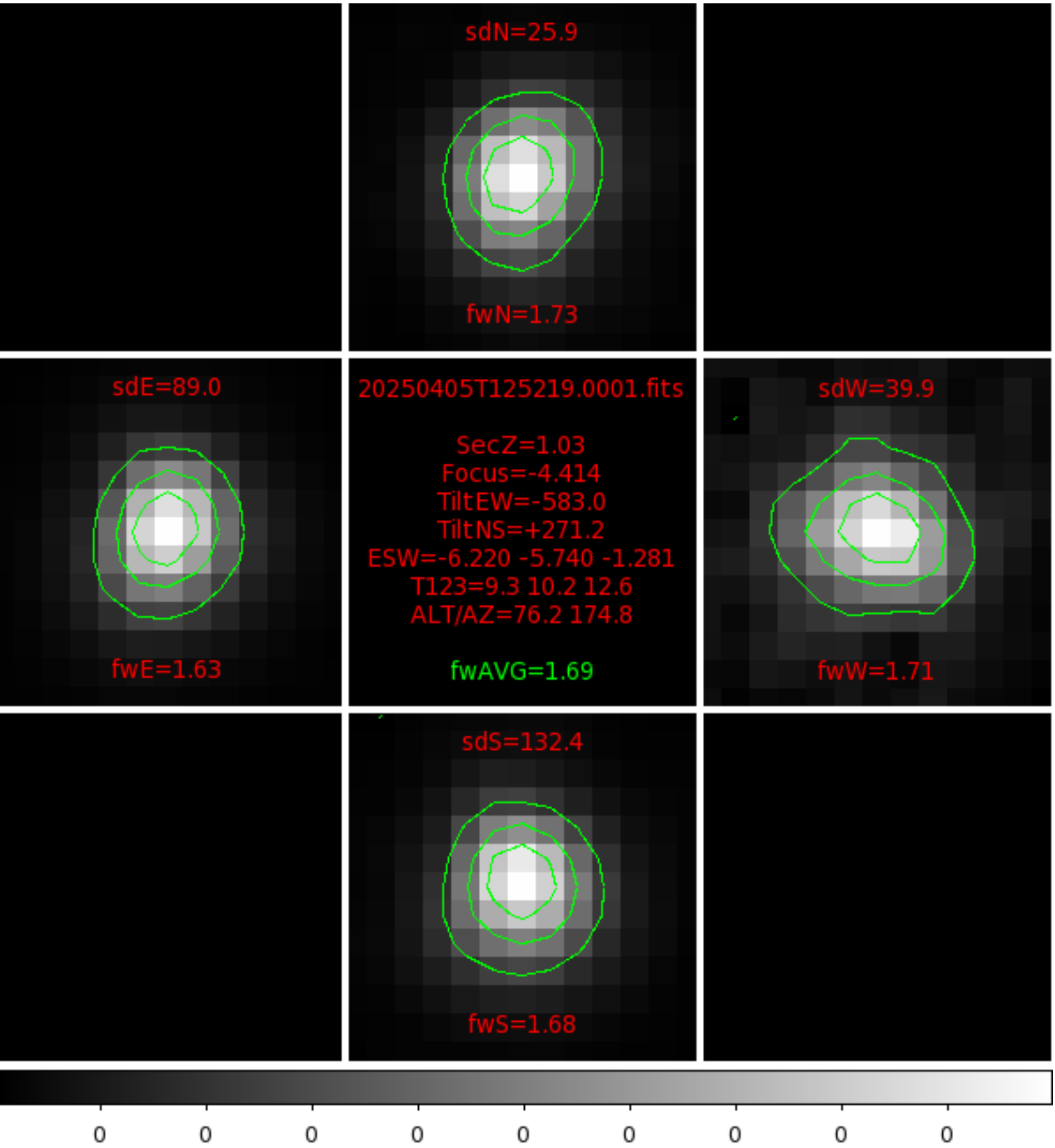
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T123=9.3 10.2 12.6
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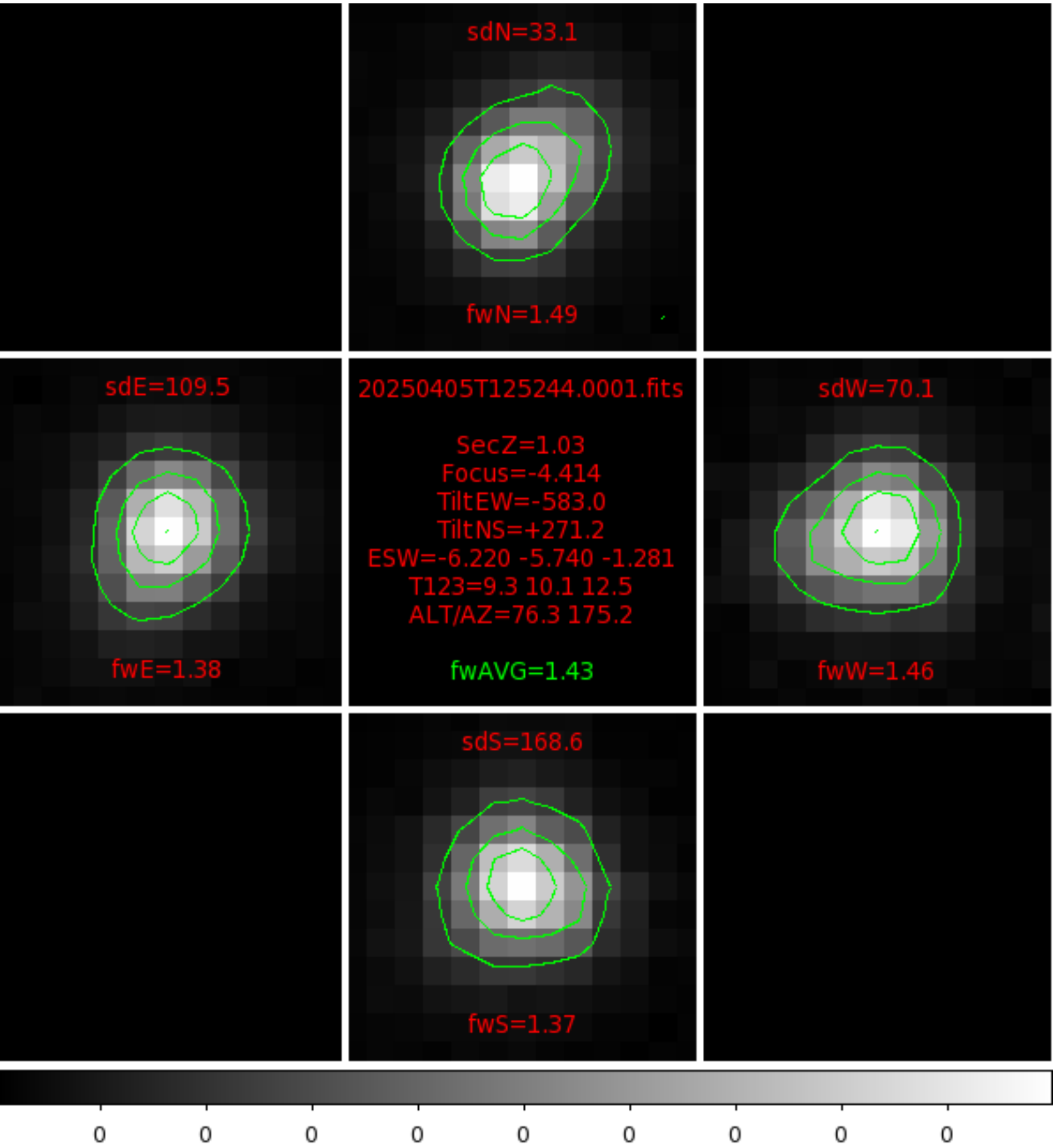
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ESW=-6.220 -5.740 -1.281
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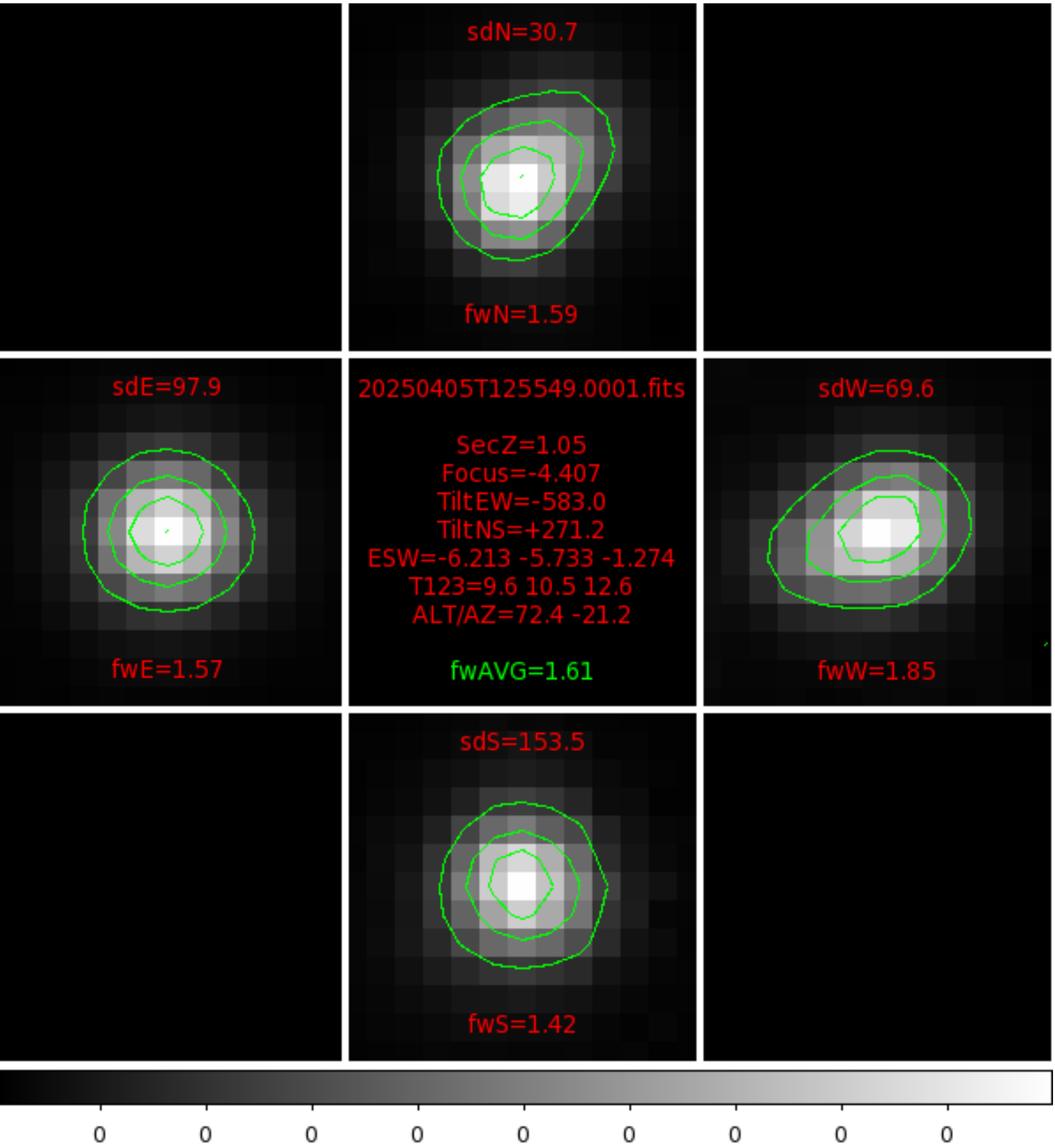
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TiltNS=+271.2
ESW=-6.213 -5.733 -1.274
T123=9.6 10.5 12.6
ALT/AZ=72.4 -21.2
fwAVG=1.61
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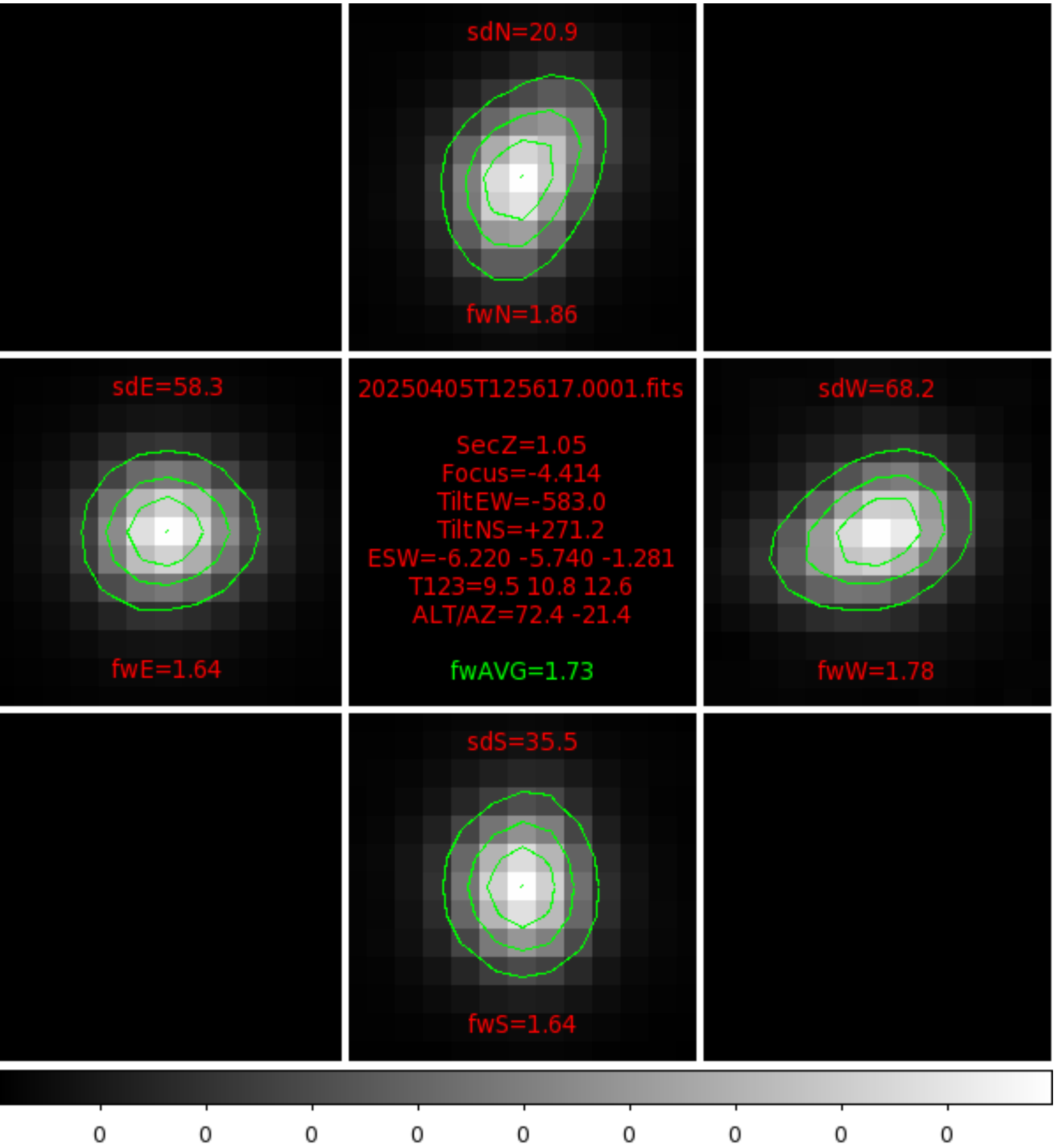
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TiltNS=+271.2
ESW=-6.220 -5.740 -1.281
T123=9.5 10.8 12.6
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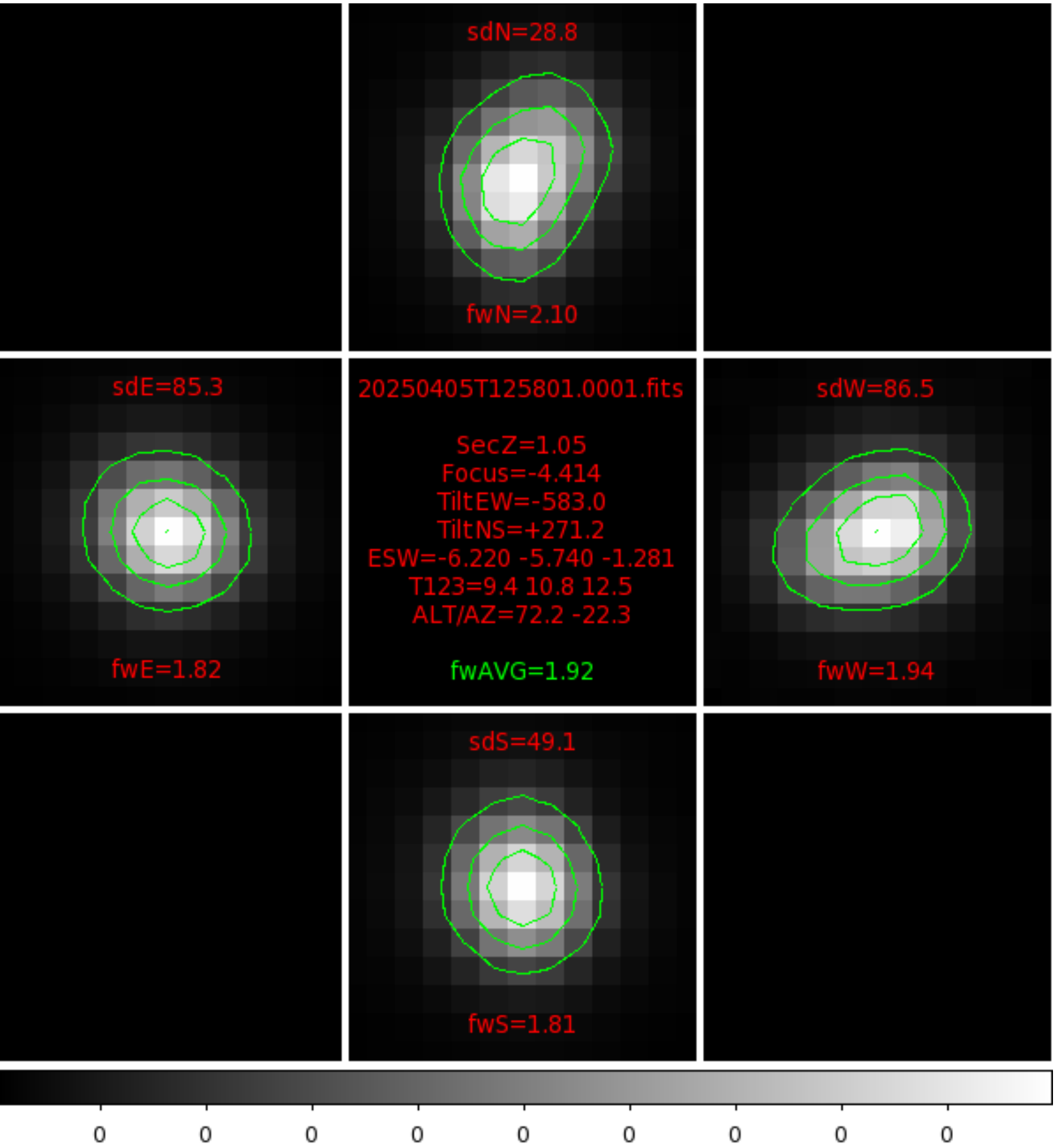
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SecZ=1.05
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.220 -5.740 -1.281
T123=9.4 10.8 12.5
ALT/AZ=72.2 -22.3
fwAVG=1.92
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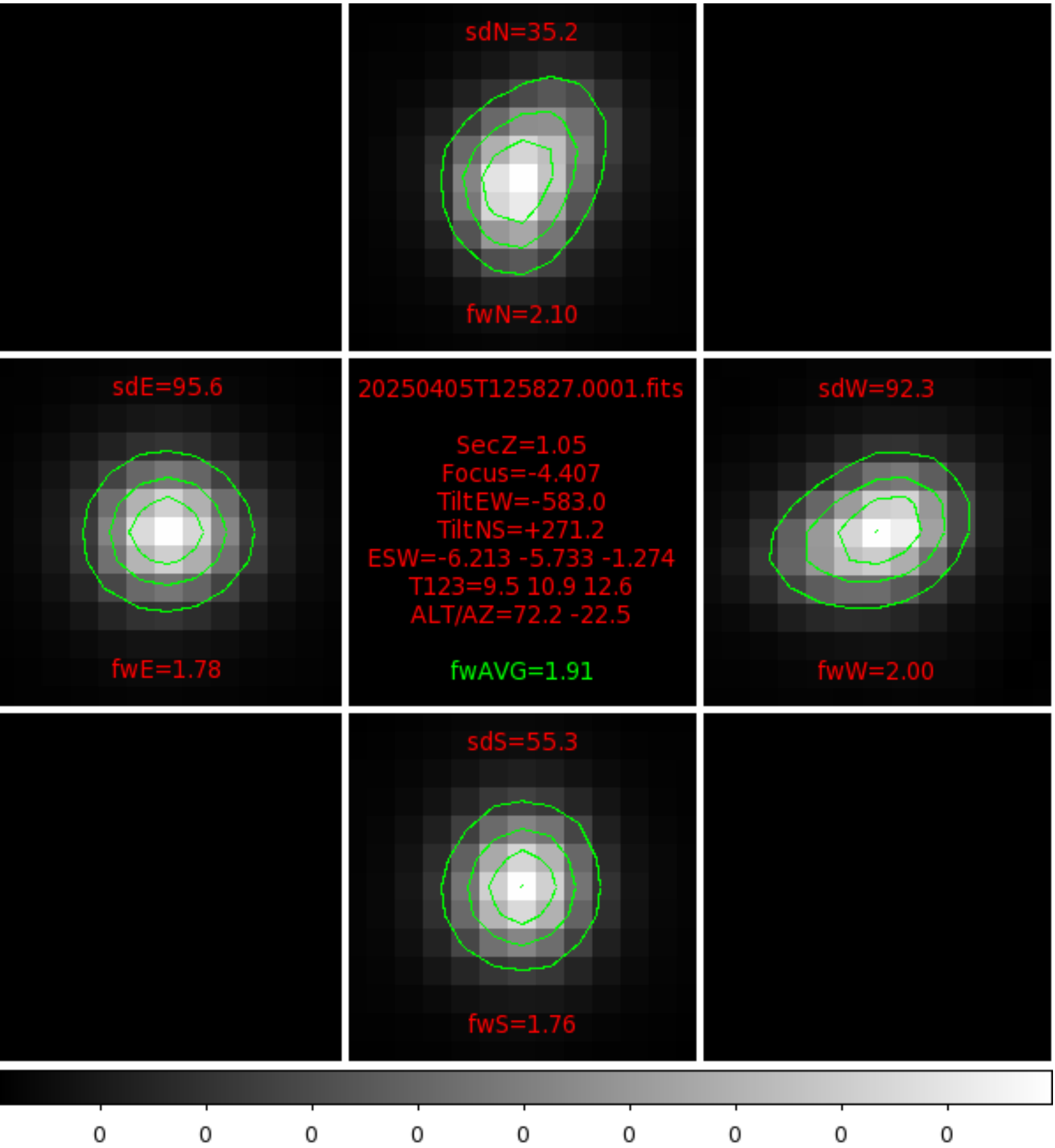
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SecZ=1.05
Focus=-4.407
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.213 -5.733 -1.274
T123=9.5 10.9 12.6
ALT/AZ=72.2 -22.5
fwAVG=1.91
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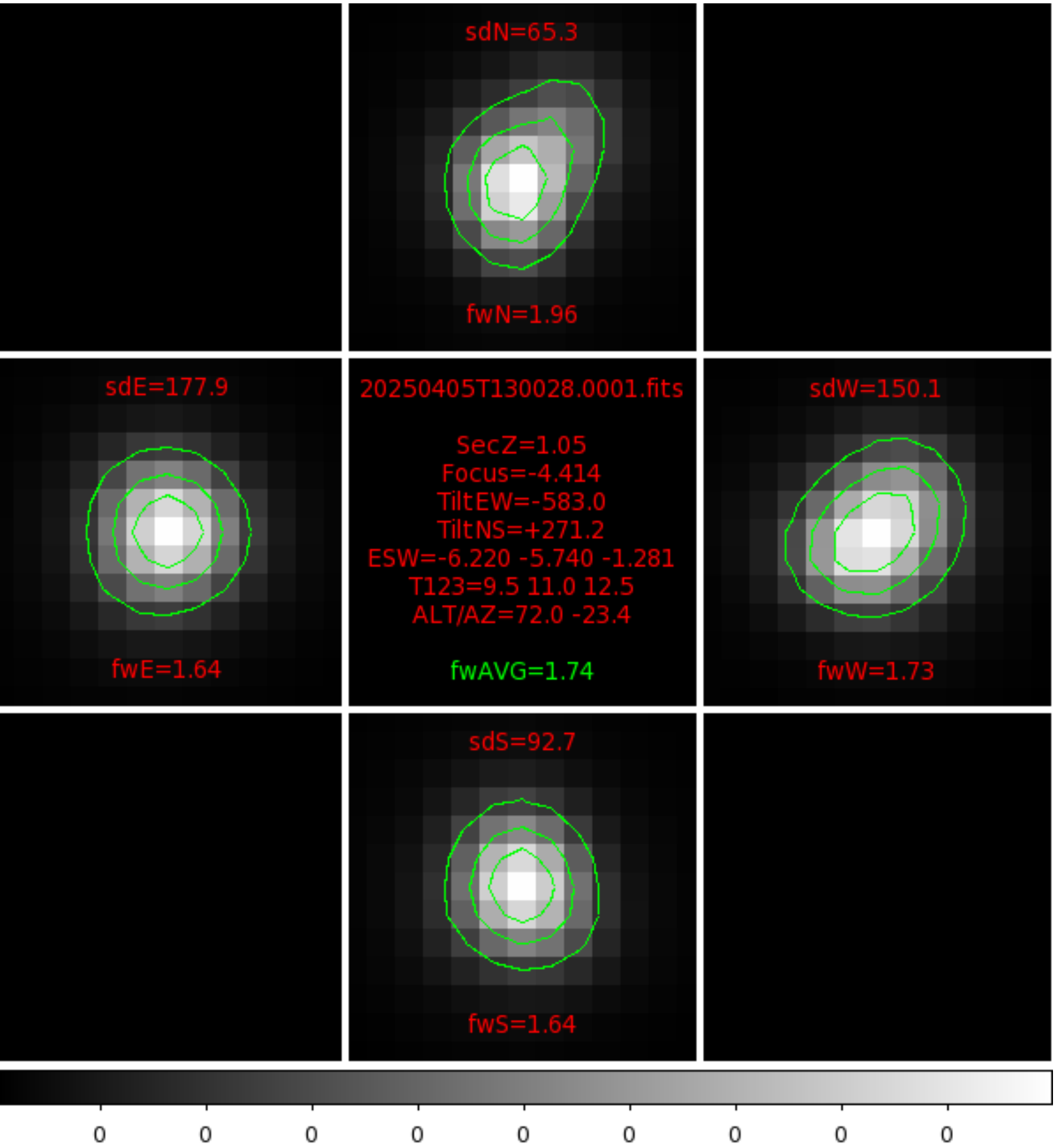
sdN=65.3
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SecZ=1.05
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.220 -5.740 -1.281
T123=9.5 11.0 12.5
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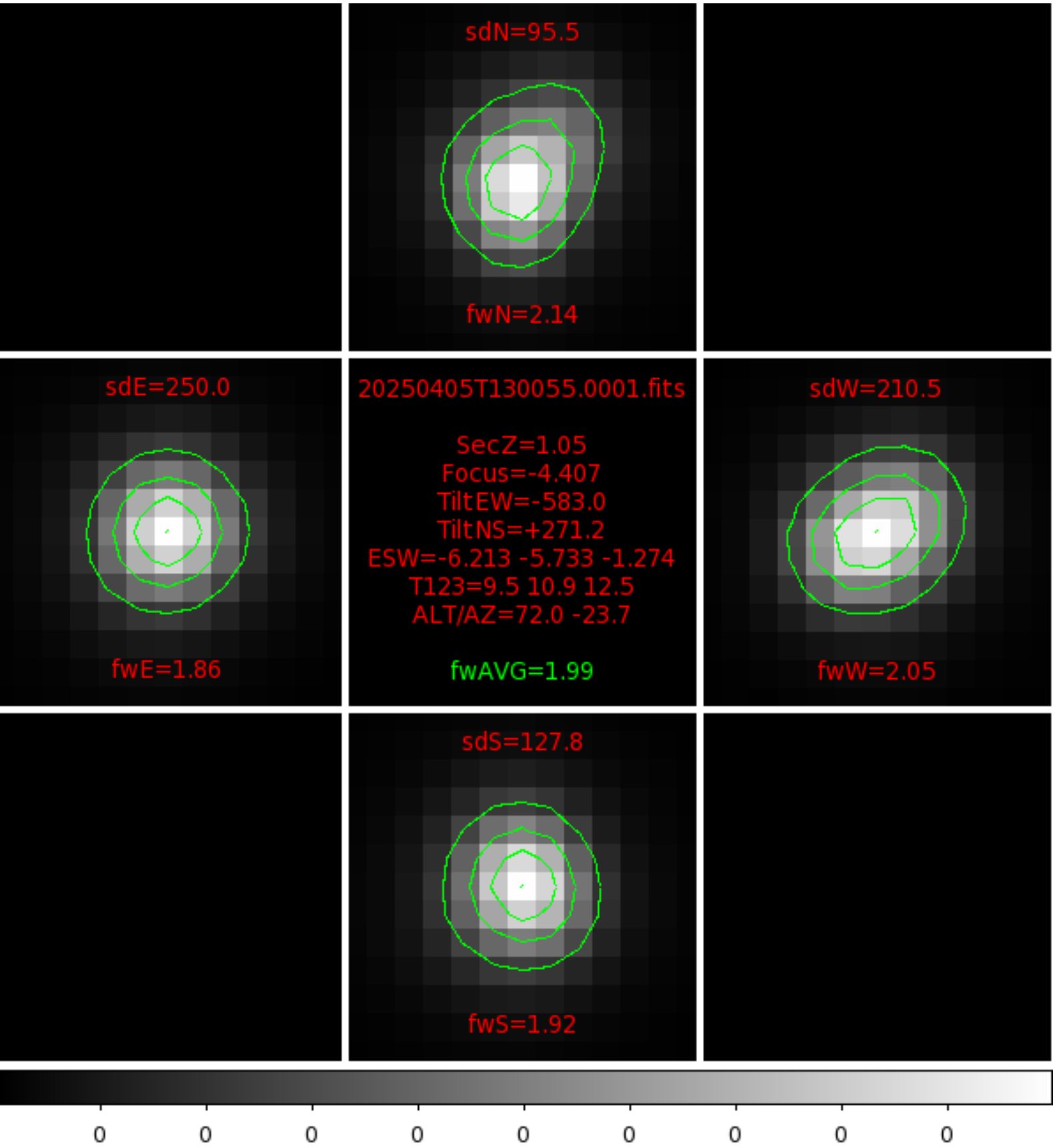
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T123=9.5 10.9 12.5
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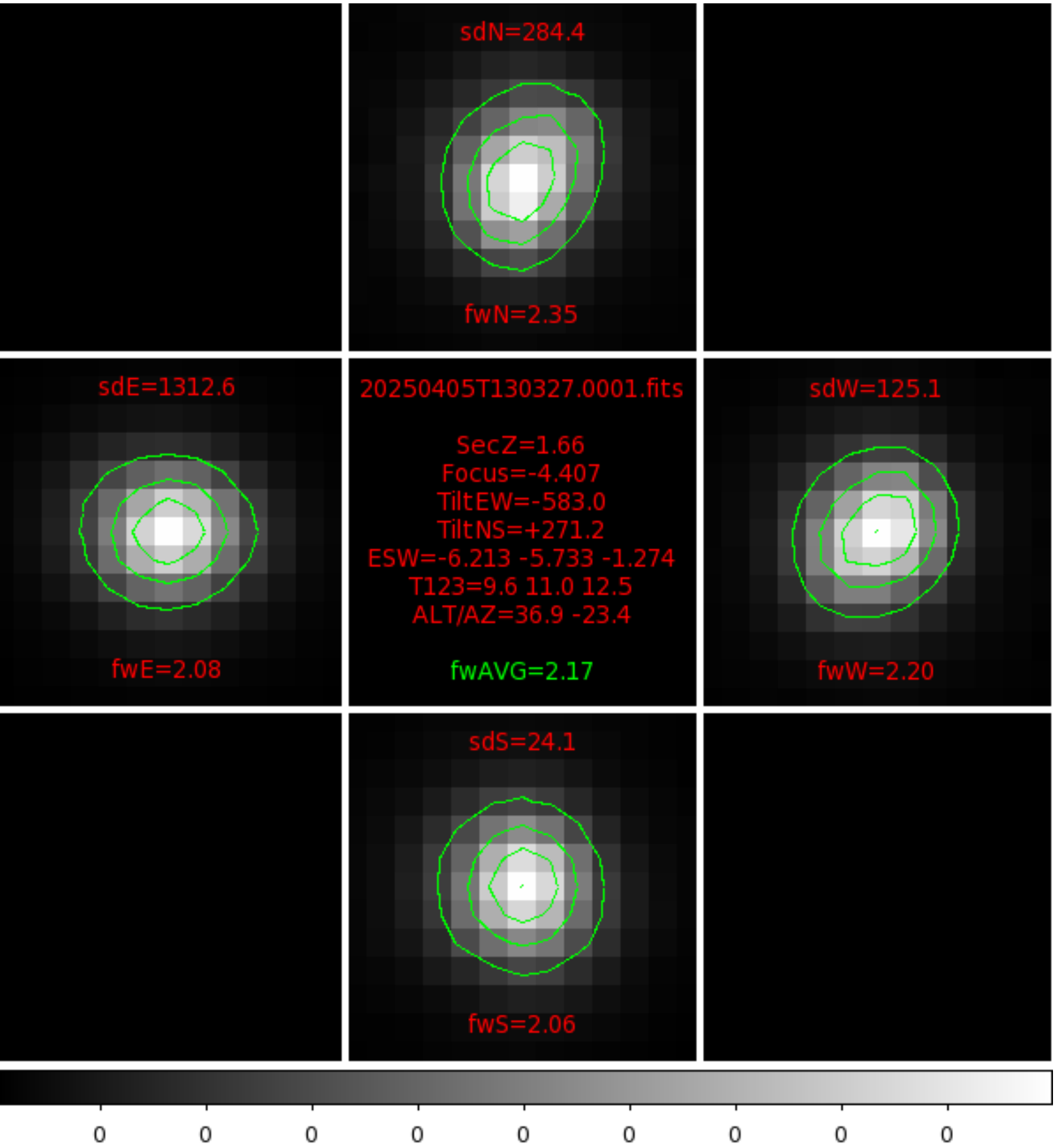
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SecZ=1.66
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.213 -5.733 -1.274
T123=9.6 11.0 12.5
ALT/AZ=36.9 -23.4
fwAVG=2.17
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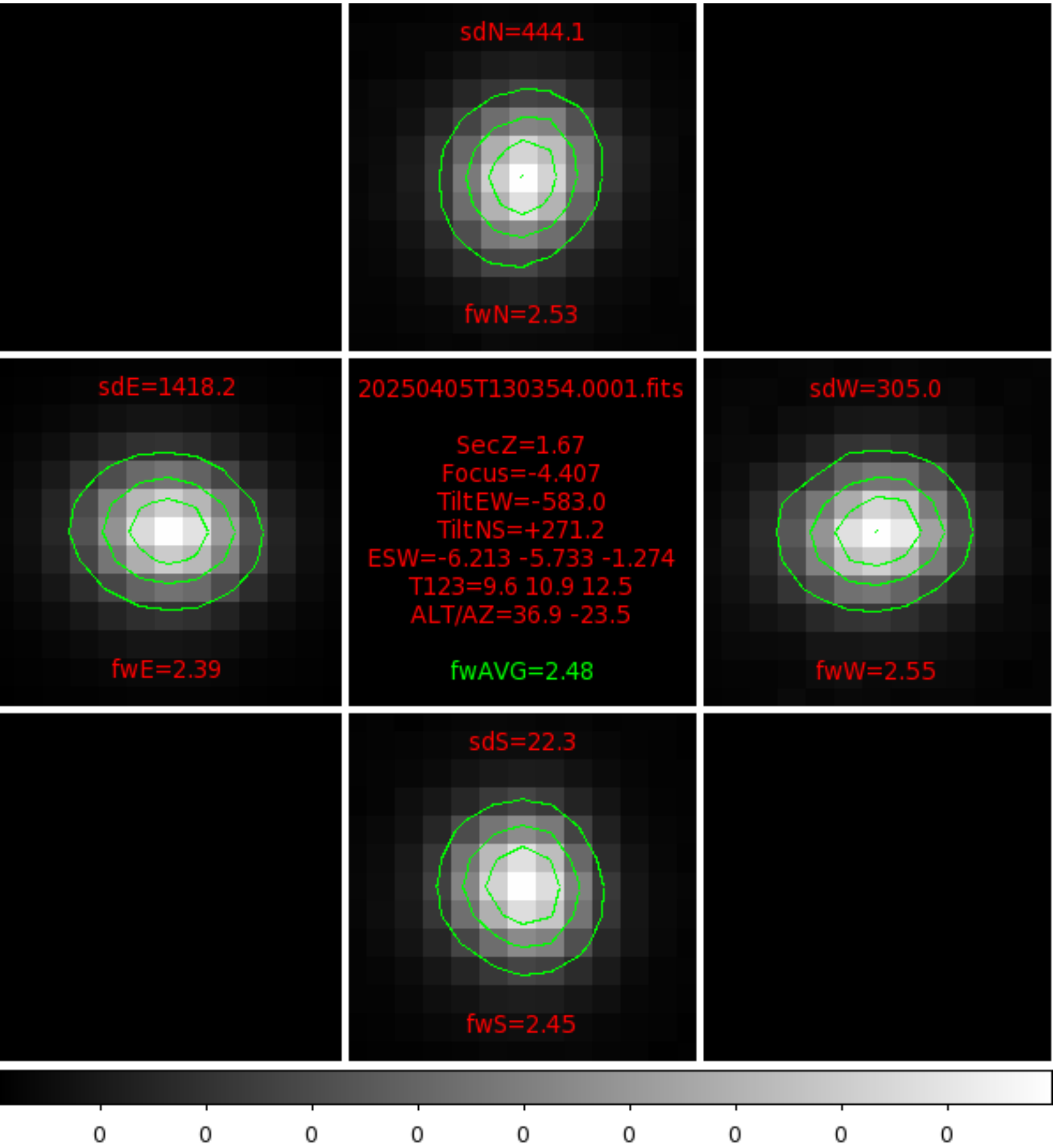
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SecZ=1.67
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.213 -5.733 -1.274
T123=9.6 10.9 12.5
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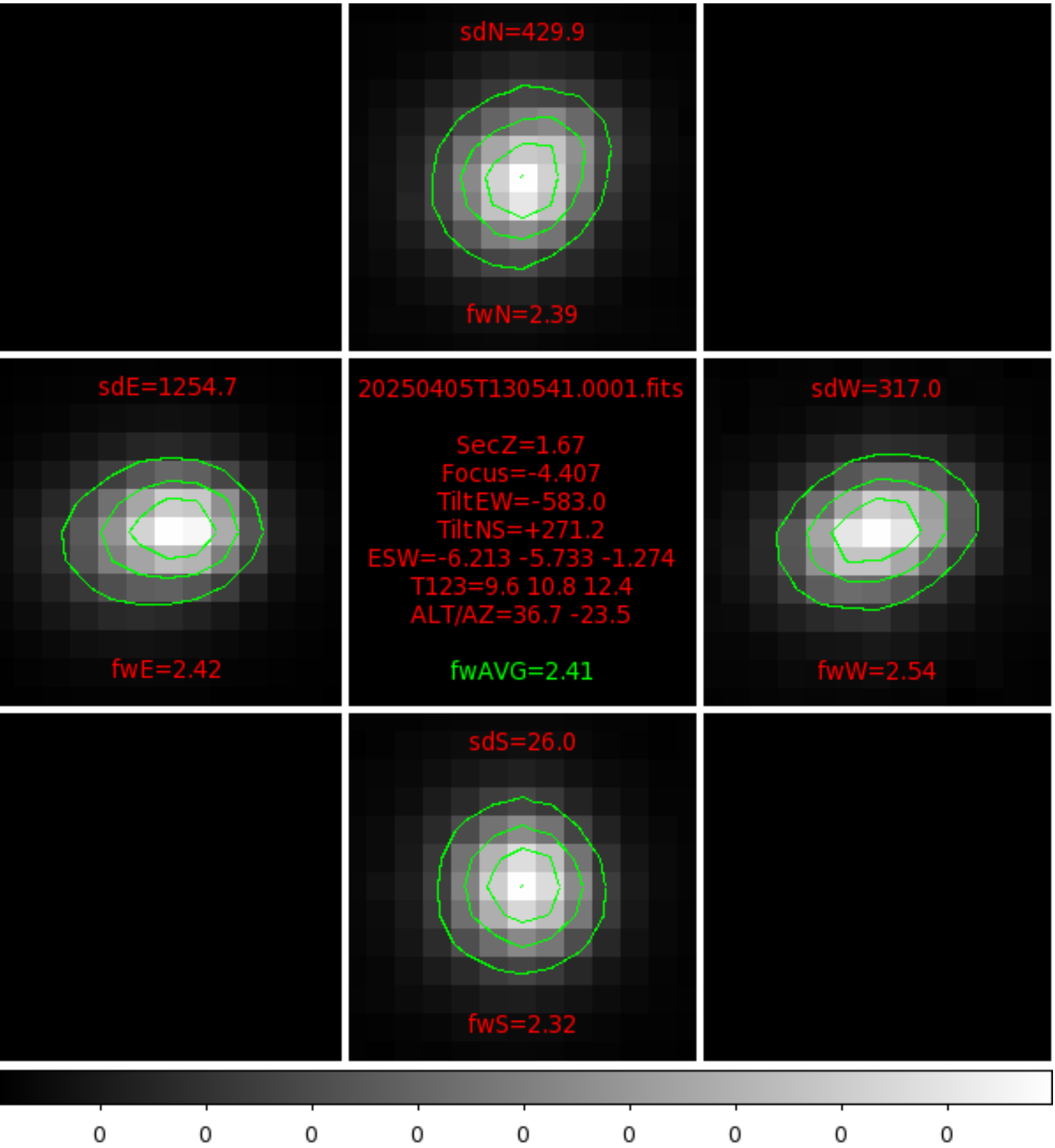
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.213 -5.733 -1.274
T123=9.6 10.8 12.4
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fwAVG=2.41
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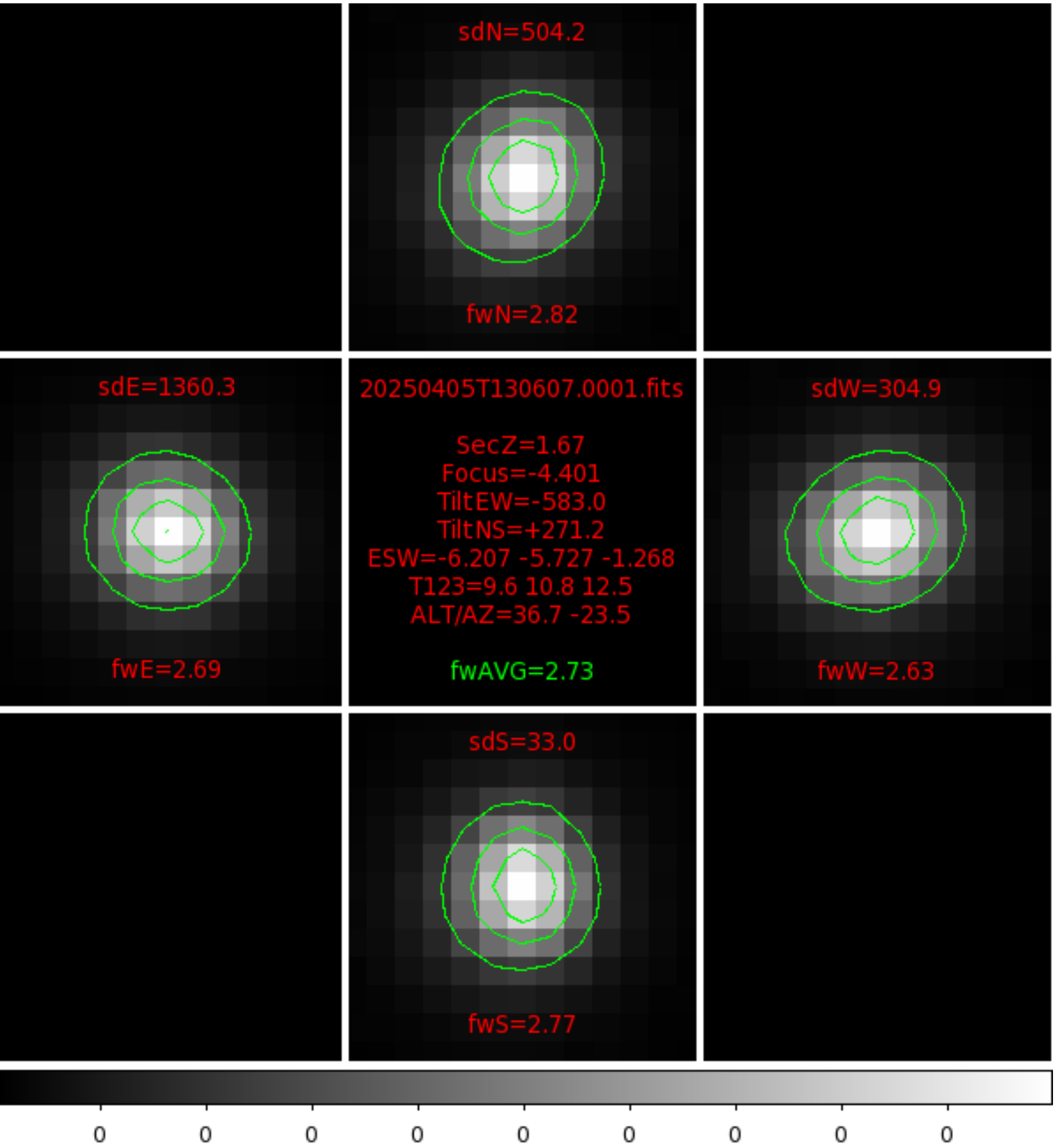
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SecZ=1.67
Focus=-4.401
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.207 -5.727 -1.268
T123=9.6 10.8 12.5
ALT/AZ=36.7 -23.5
fwAVG=2.73
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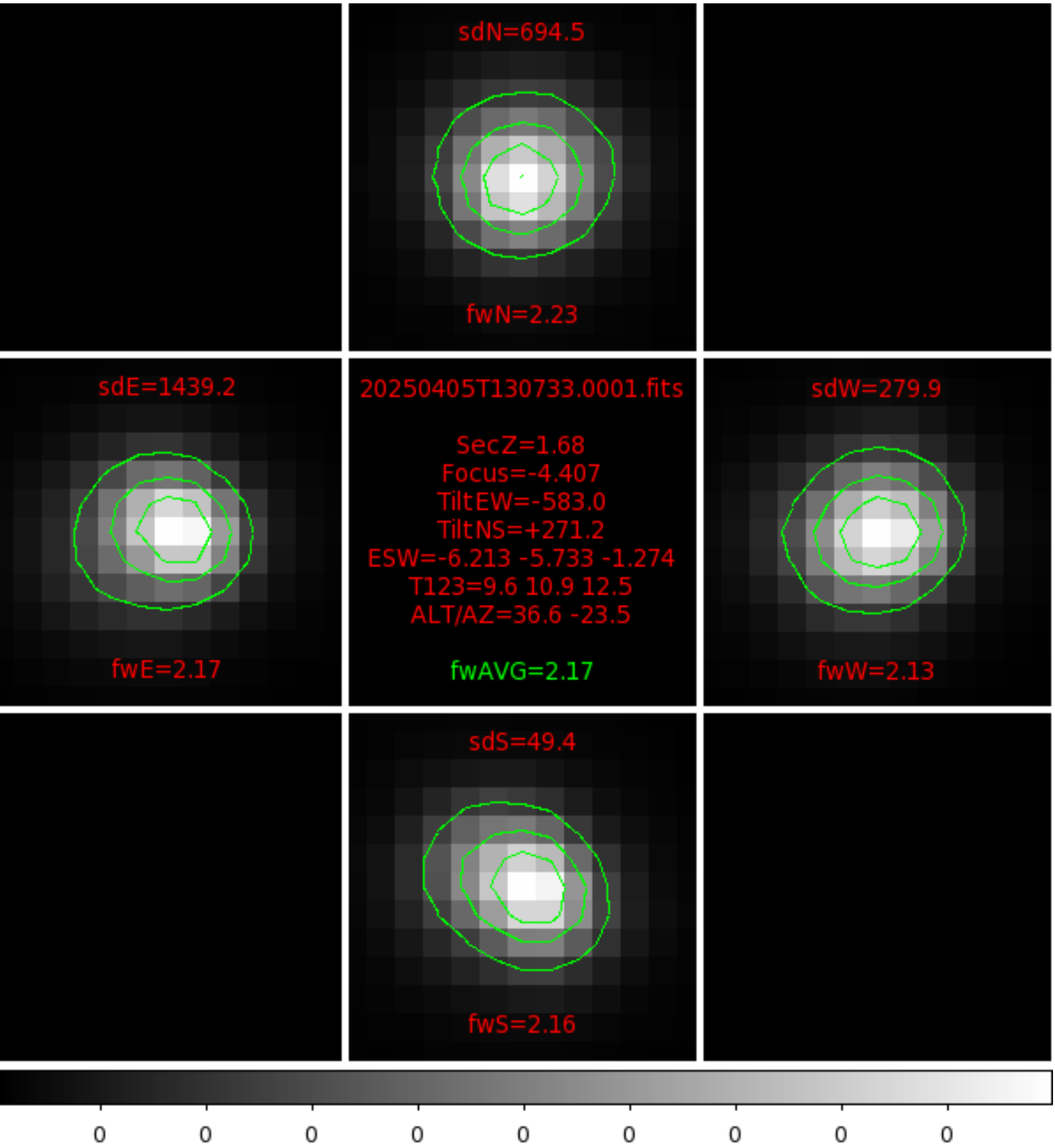
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.213 -5.733 -1.274
T123=9.6 10.9 12.5
ALT/AZ=36.6 -23.5
fwAVG=2.17
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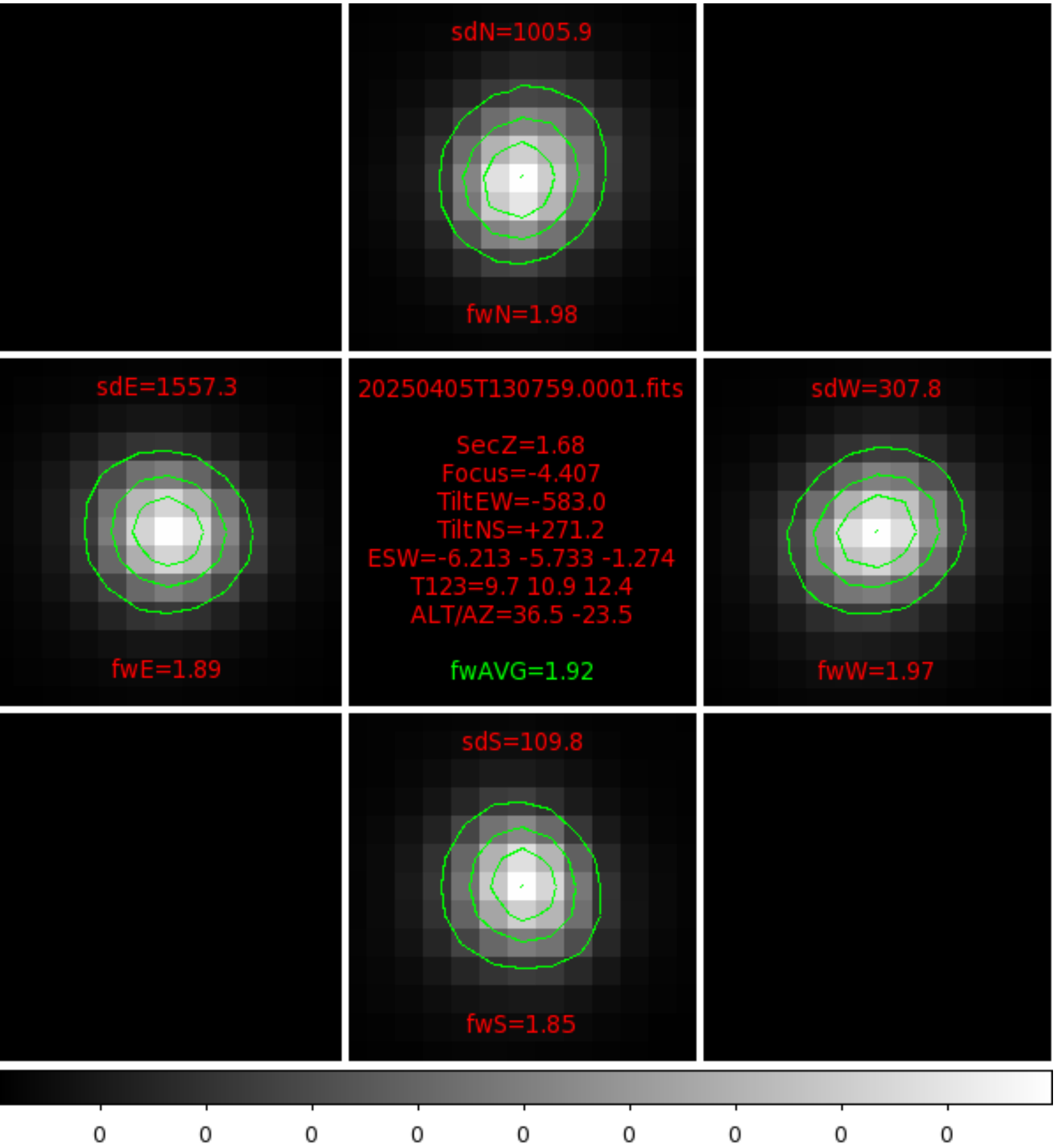
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TiltNS=+271.2
ESW=-6.213 -5.733 -1.274
T123=9.7 10.9 12.4
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fwAVG=1.92
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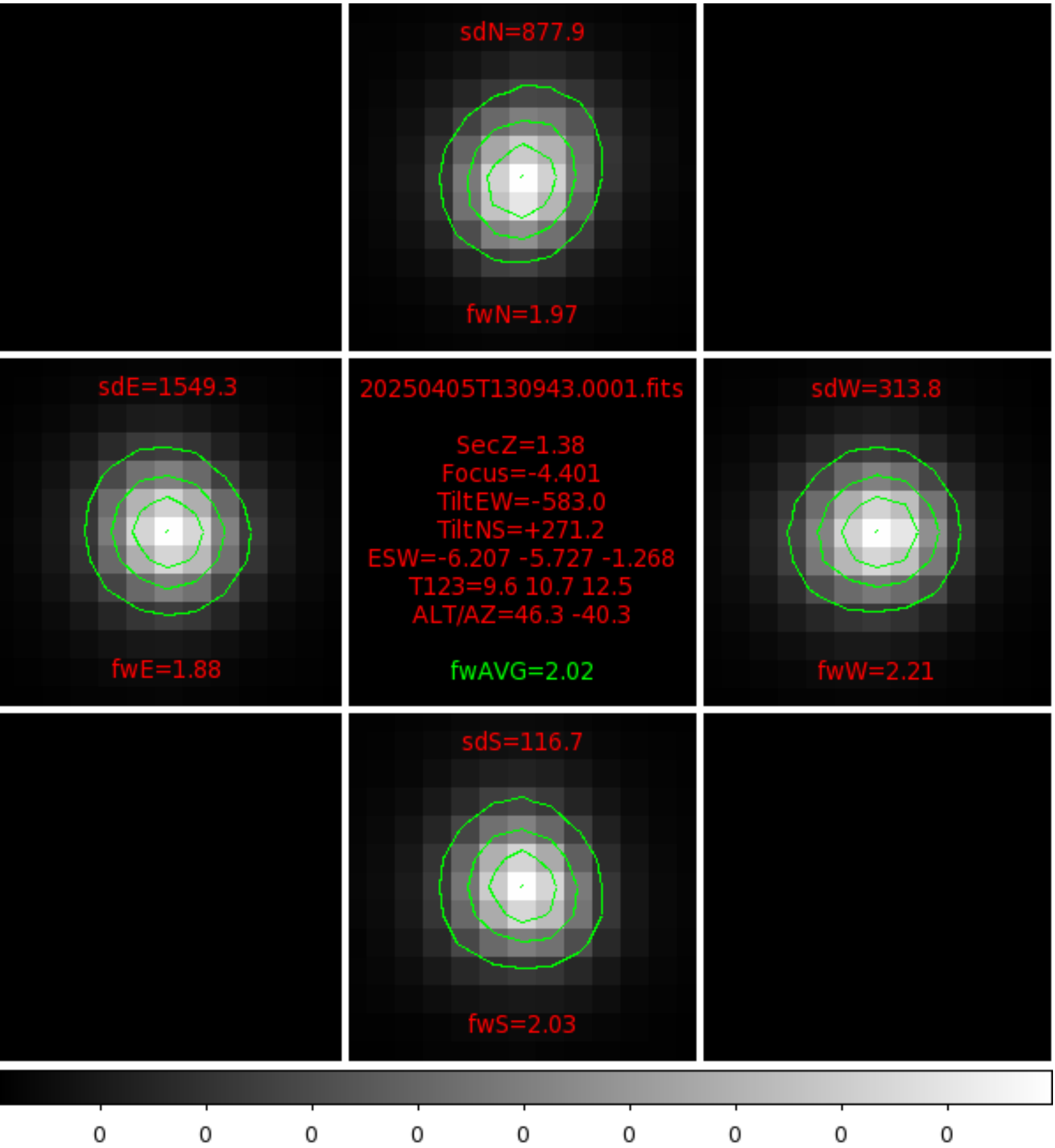
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TiltNS=+271.2
ESW=-6.207 -5.727 -1.268
T123=9.6 10.7 12.5
ALT/AZ=46.3 -40.3
fwAVG=2.02
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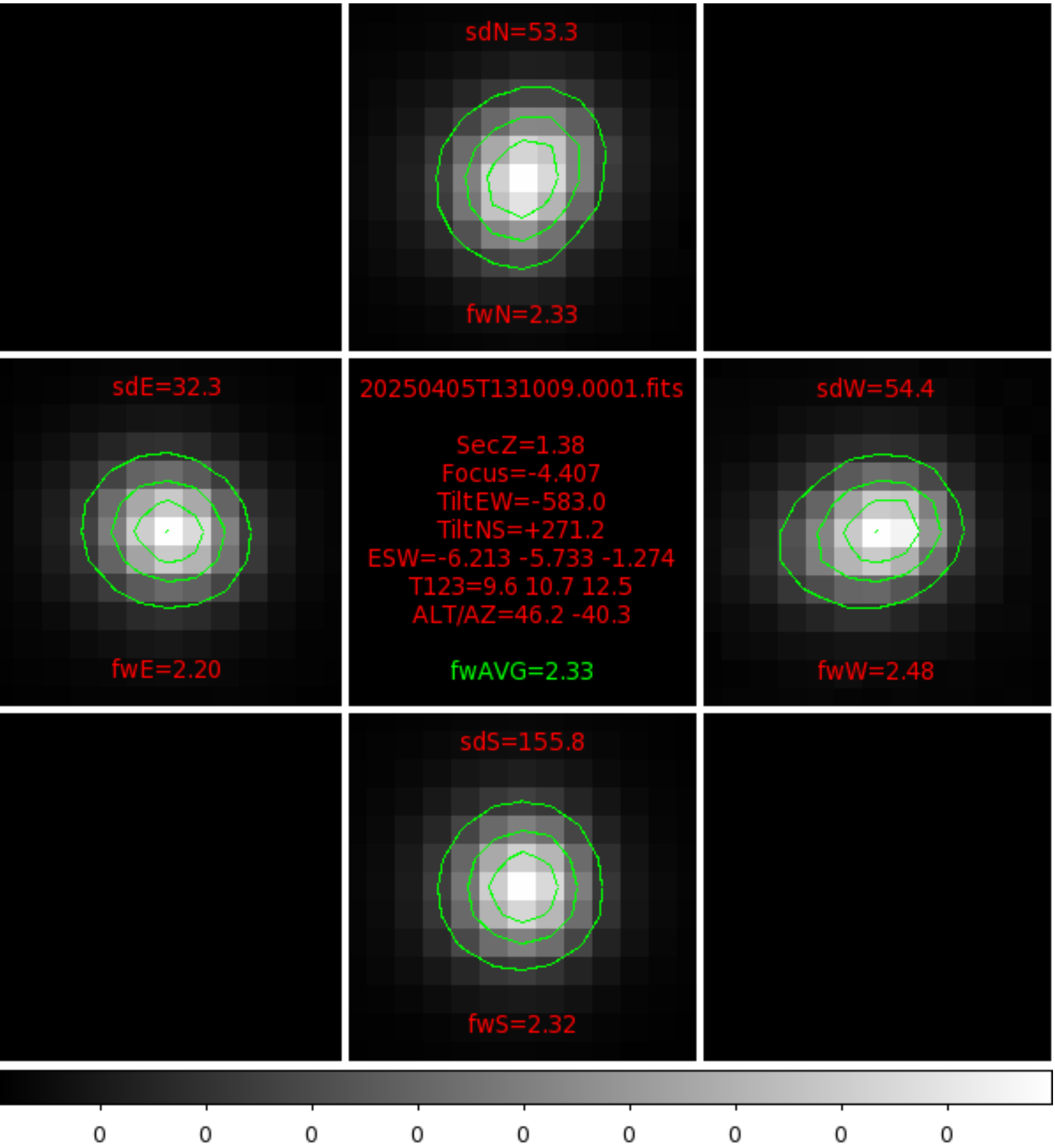
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Focus=-4.407
TiltEW=-583.0
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ESW=-6.213 -5.733 -1.274
T123=9.6 10.7 12.5
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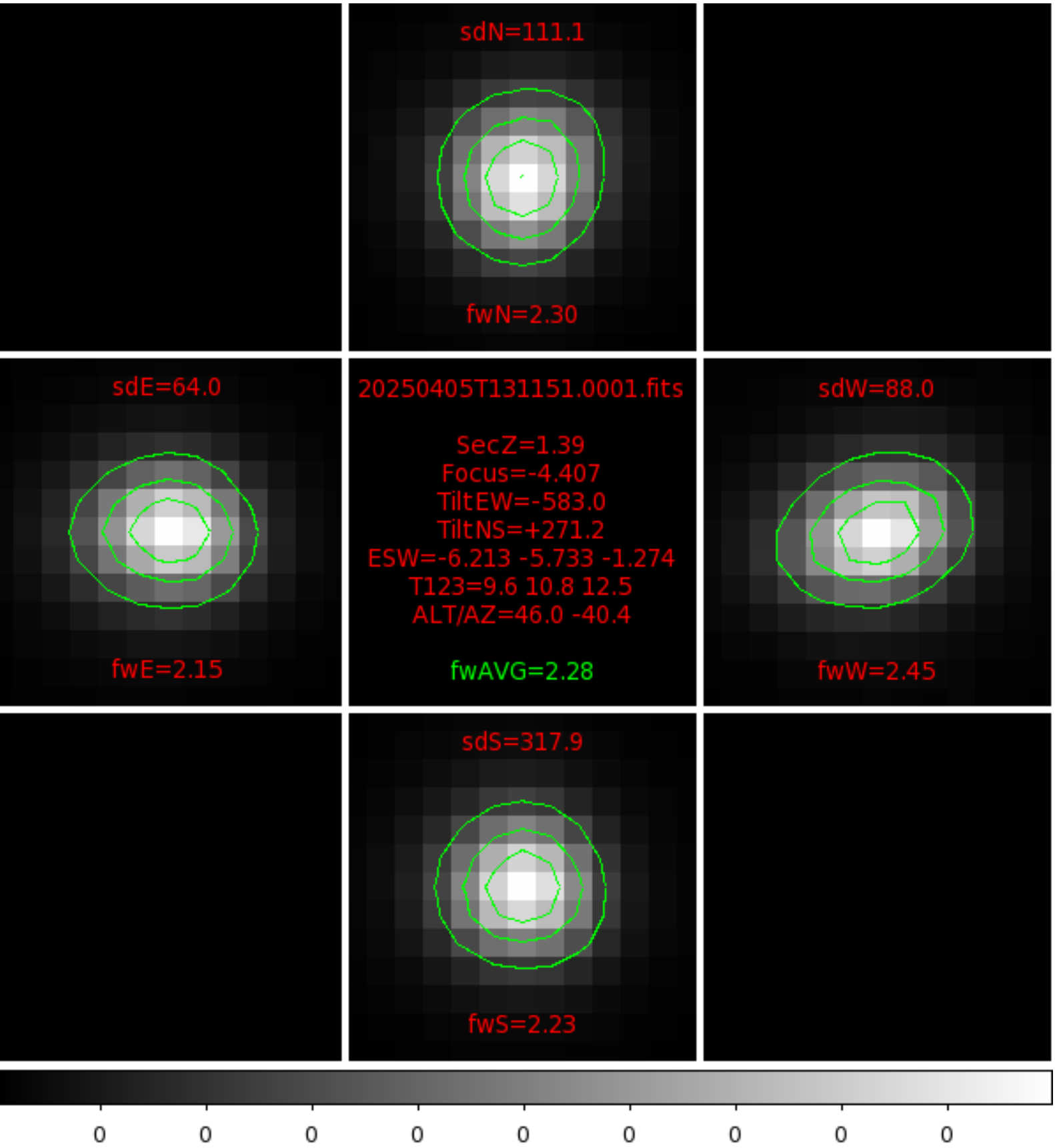
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.213 -5.733 -1.274
T123=9.6 10.8 12.5
ALT/AZ=46.0 -40.4
fwAVG=2.28
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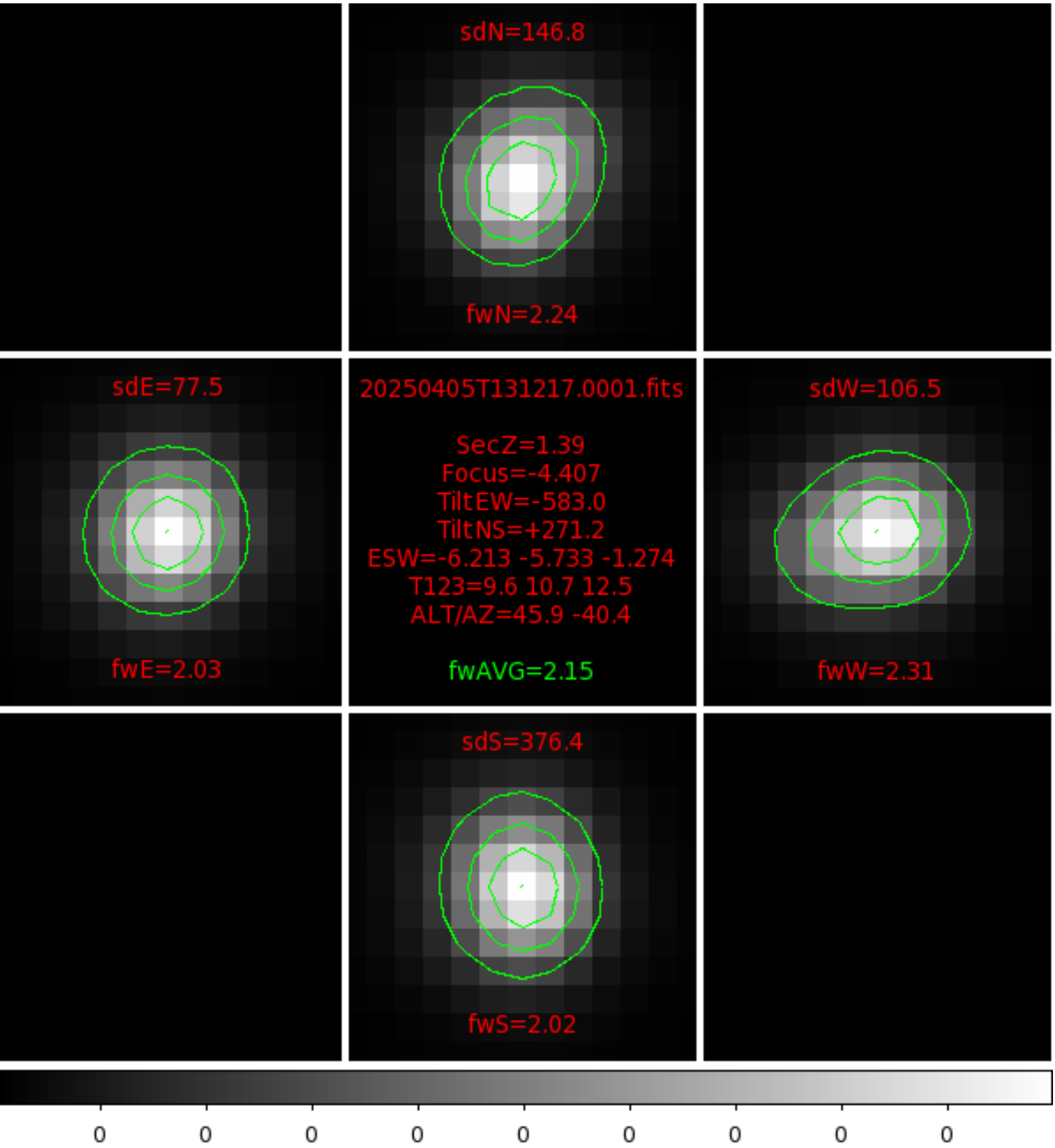
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.213 -5.733 -1.274
T123=9.6 10.7 12.5
ALT/AZ=45.9 -40.4
fwAVG=2.15
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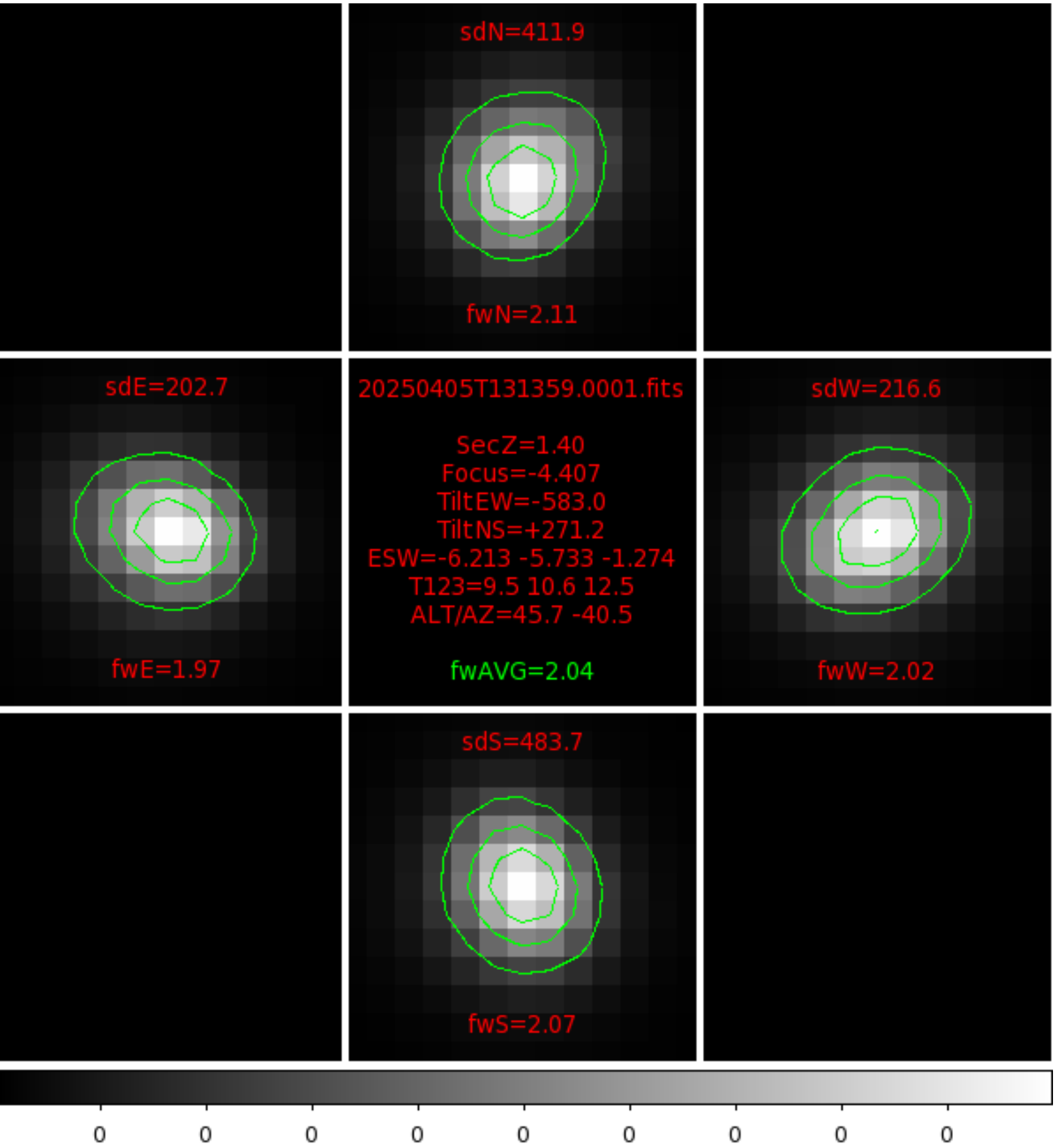
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.213 -5.733 -1.274
T123=9.5 10.6 12.5
ALT/AZ=45.7 -40.5
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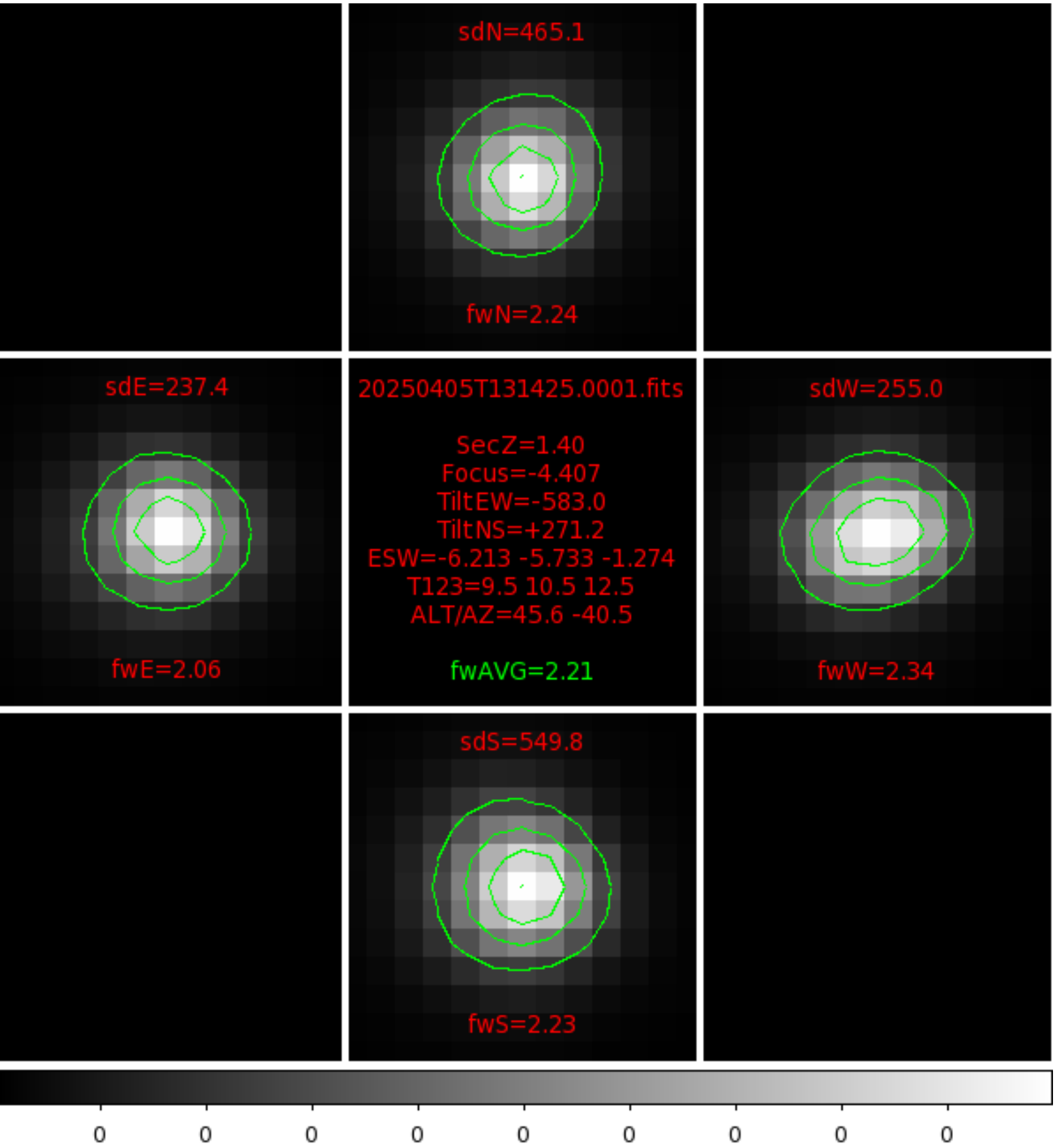
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SecZ=1.40
Focus=-4.407
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.213 -5.733 -1.274
T123=9.5 10.5 12.5
ALT/AZ=45.6 -40.5
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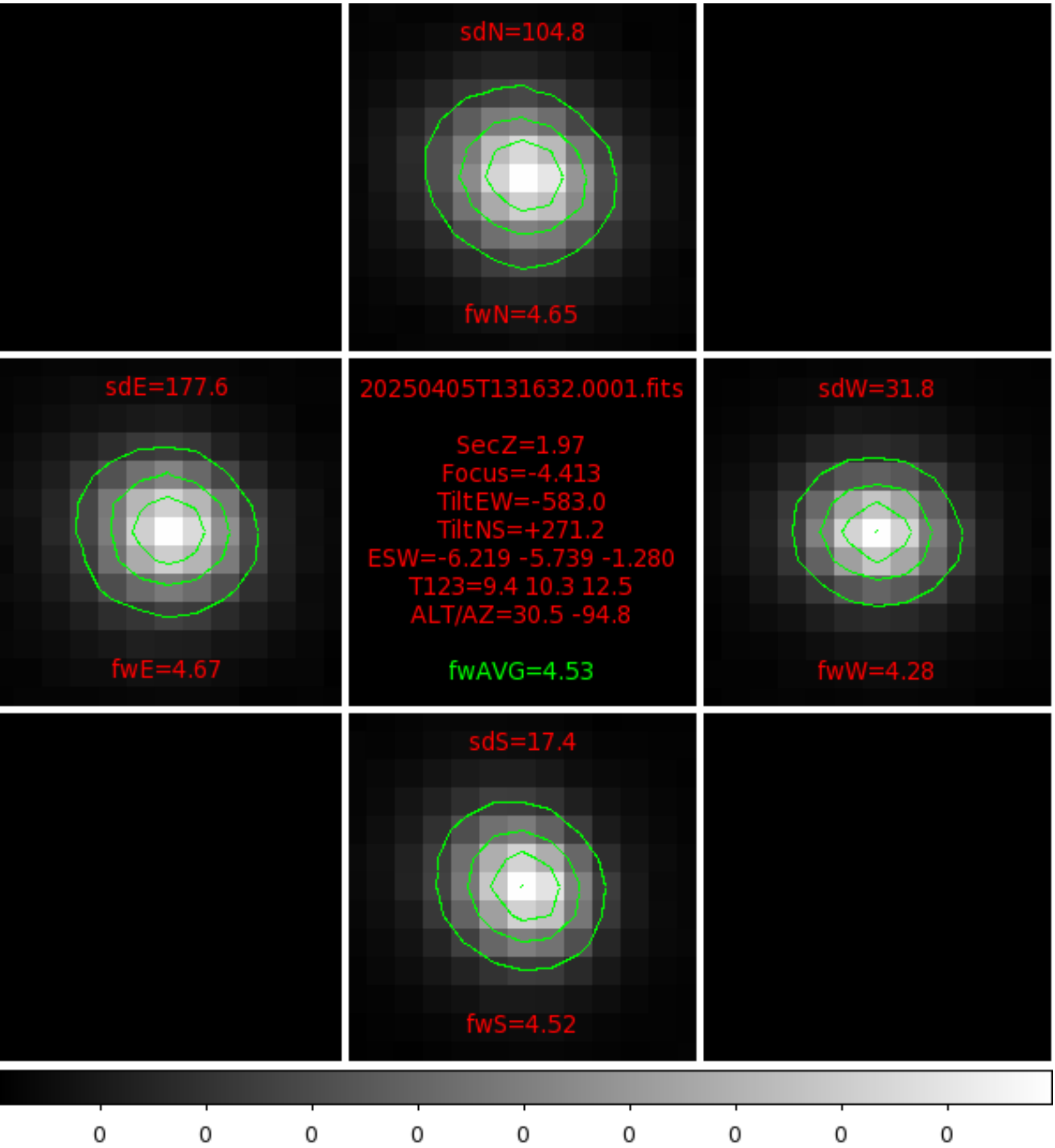
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sdE=177.6
fwE=4.67
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SecZ=1.97
Focus=-4.413
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TiltNS=+271.2
ESW=-6.219 -5.739 -1.280
T123=9.4 10.3 12.5
ALT/AZ=30.5 -94.8
fwAVG=4.53
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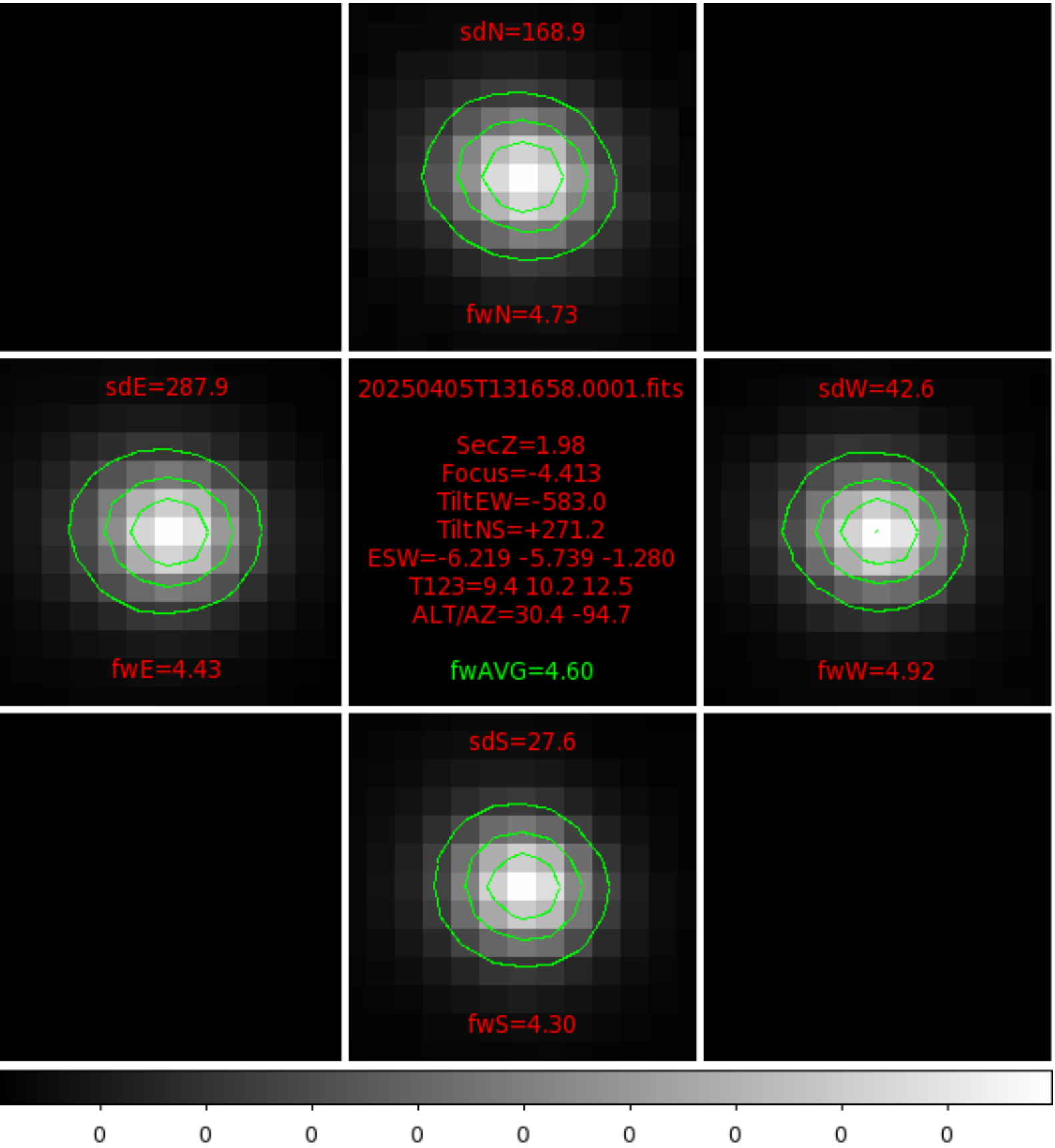
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SecZ=1.98
Focus=-4.413
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.219 -5.739 -1.280
T123=9.4 10.2 12.5
ALT/AZ=30.4 -94.7
fwAVG=4.60
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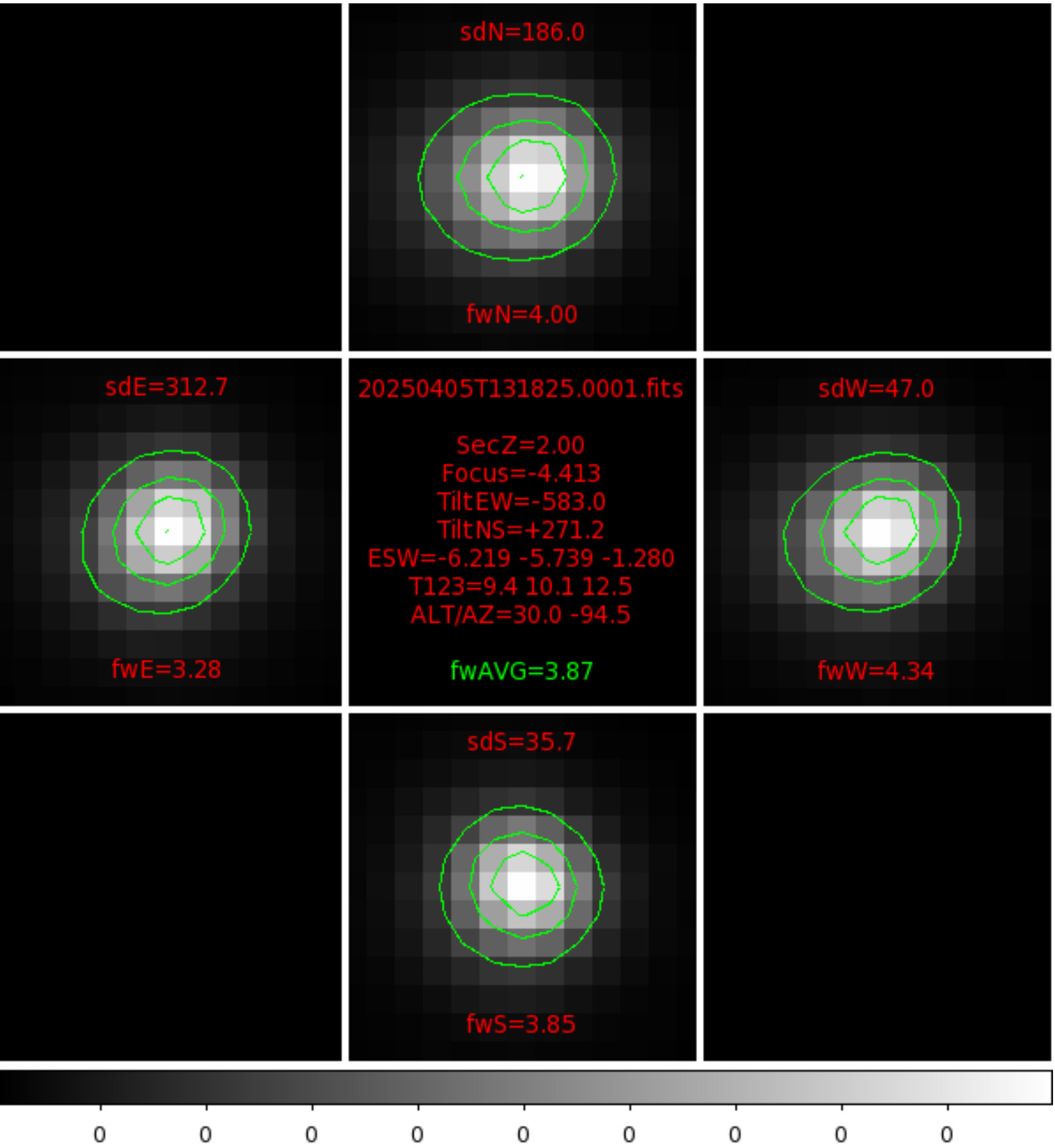
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sdE=312.7
fwE=3.28
20250405T131825.0001.fits
SecZ=2.00
Focus=-4.413
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.219 -5.739 -1.280
T123=9.4 10.1 12.5
ALT/AZ=30.0 -94.5
fwAVG=3.87
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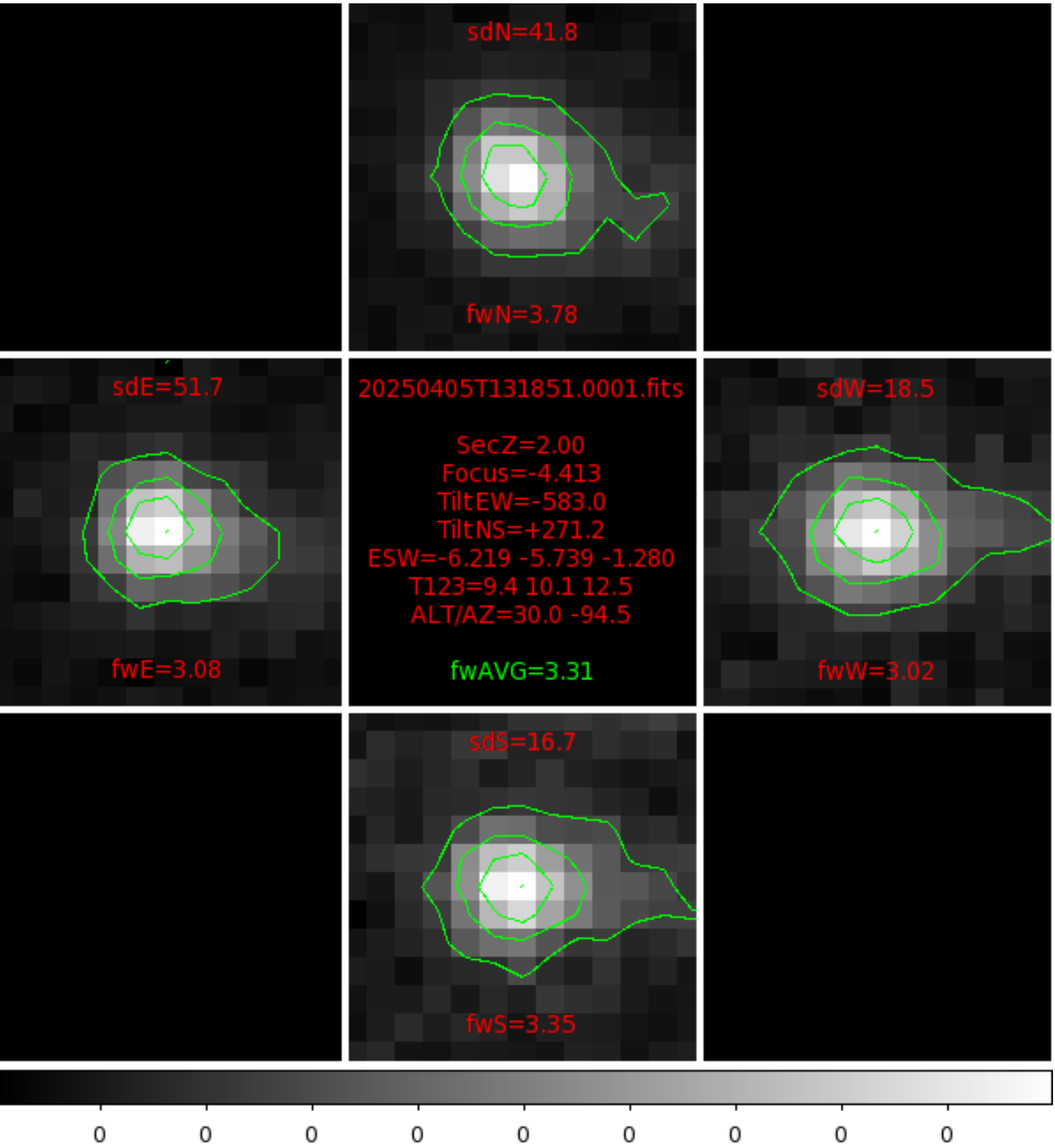
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SecZ=2.00
Focus=-4.413
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.219 -5.739 -1.280
T123=9.4 10.1 12.5
ALT/AZ=30.0 -94.5
fwAVG=3.31
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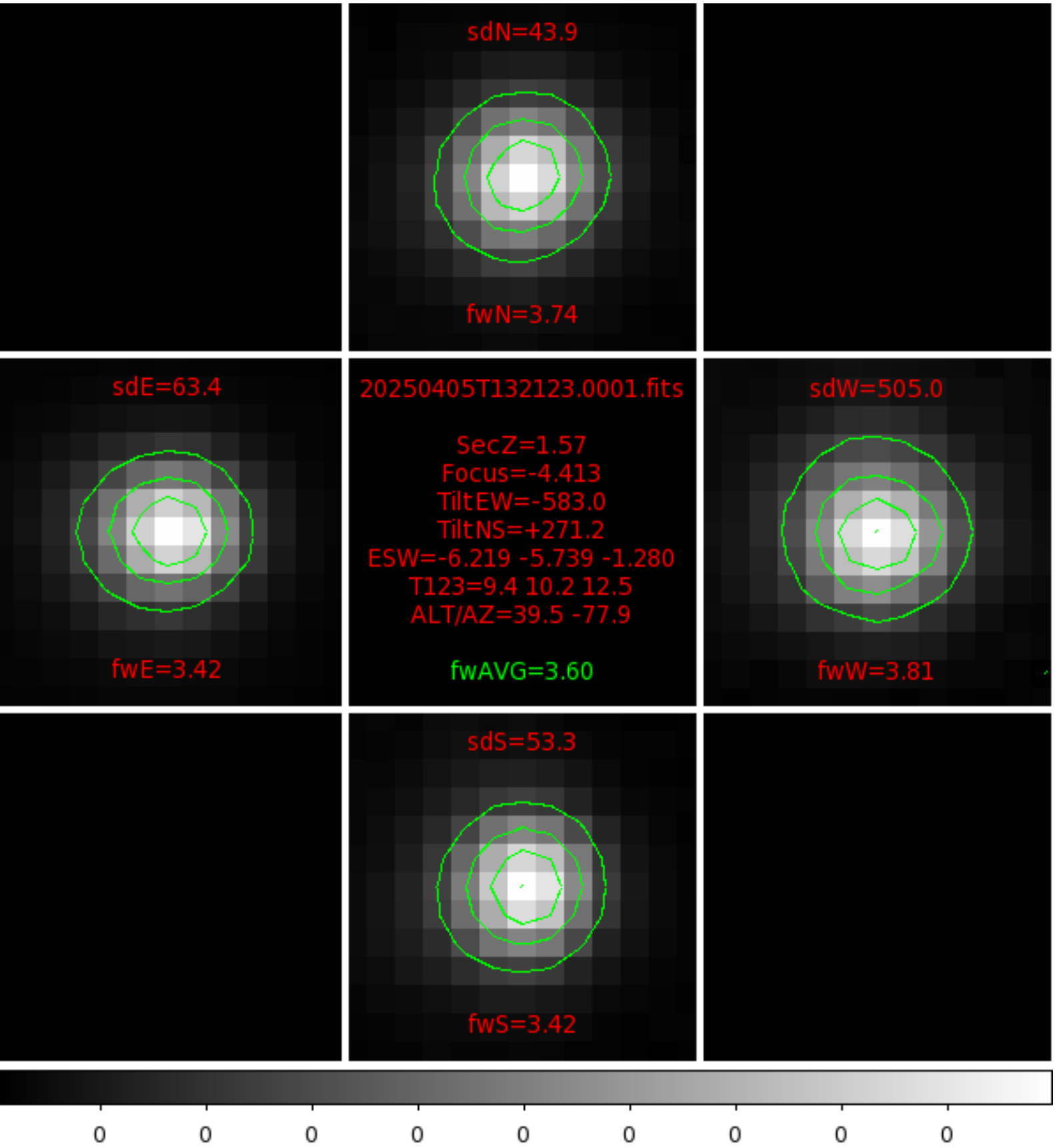
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sdE=63.4
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SecZ=1.57
Focus=-4.413
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.219 -5.739 -1.280
T123=9.4 10.2 12.5
ALT/AZ=39.5 -77.9
fwAVG=3.60
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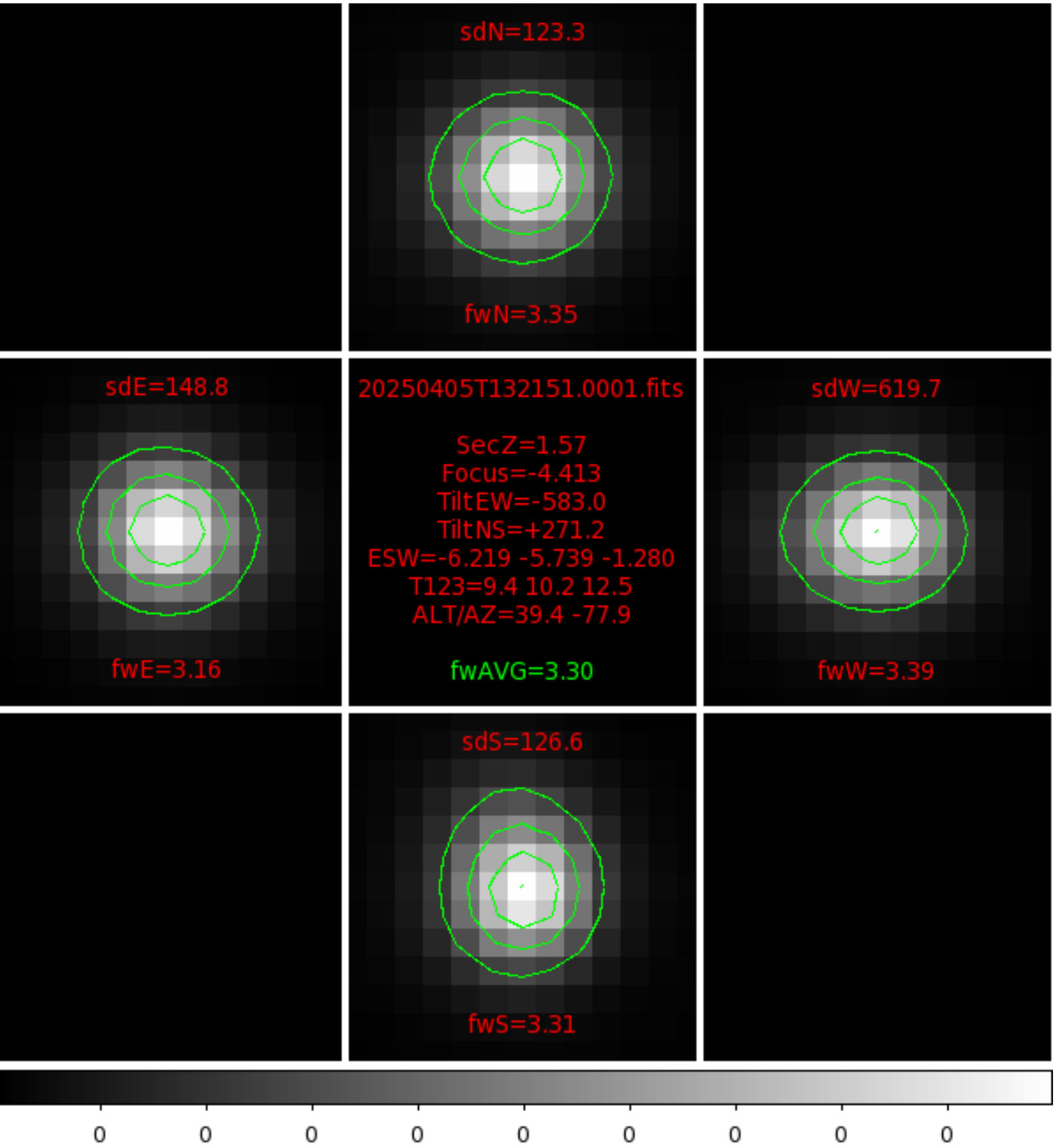
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sdE=148.8
fwE=3.16
20250405T132151.0001.fits
SecZ=1.57
Focus=-4.413
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.219 -5.739 -1.280
T123=9.4 10.2 12.5
ALT/AZ=39.4 -77.9
fwAVG=3.30
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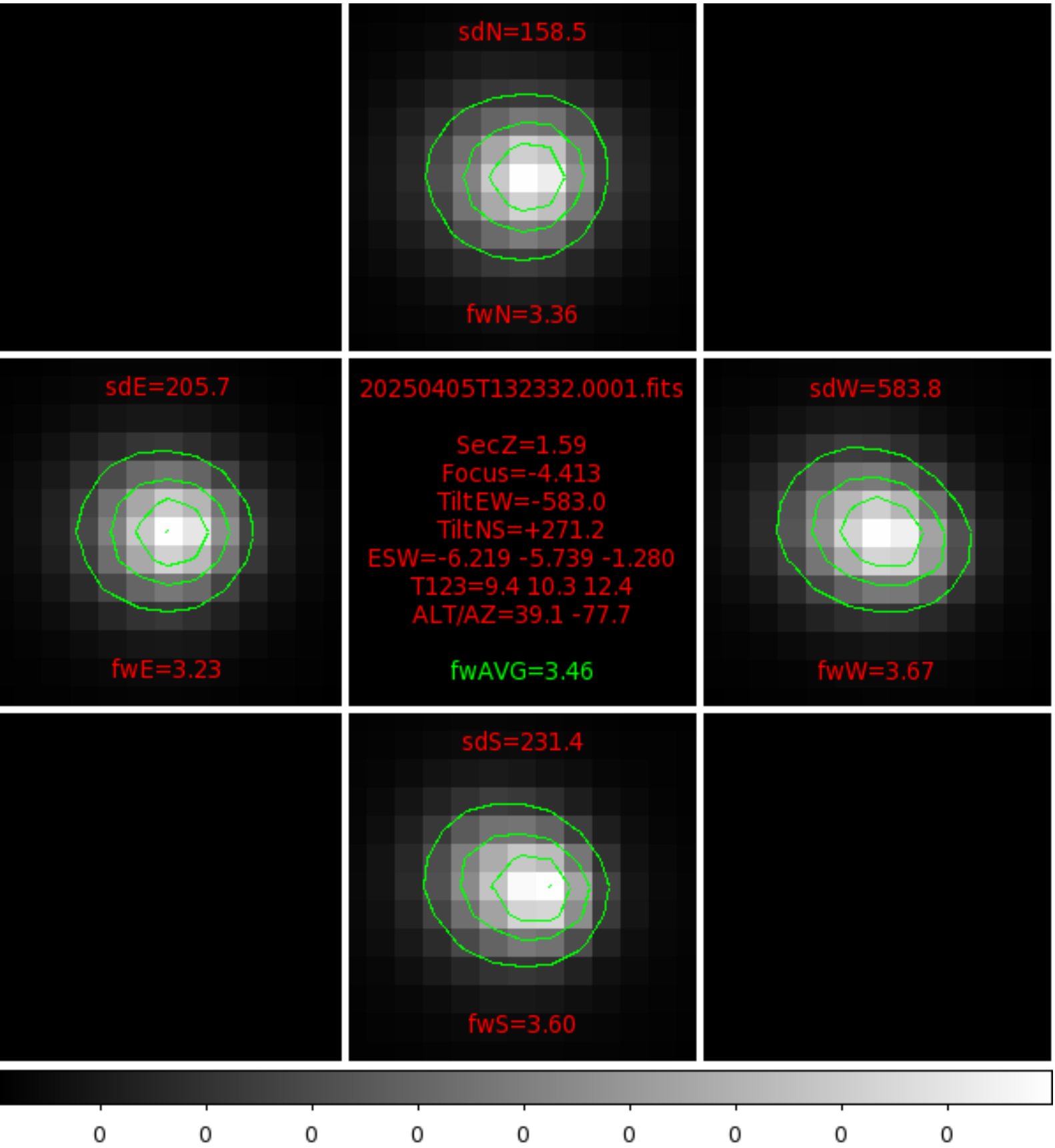
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sdE=205.7
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SecZ=1.59
Focus=-4.413
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.219 -5.739 -1.280
T123=9.4 10.3 12.4
ALT/AZ=39.1 -77.7
fwAVG=3.46
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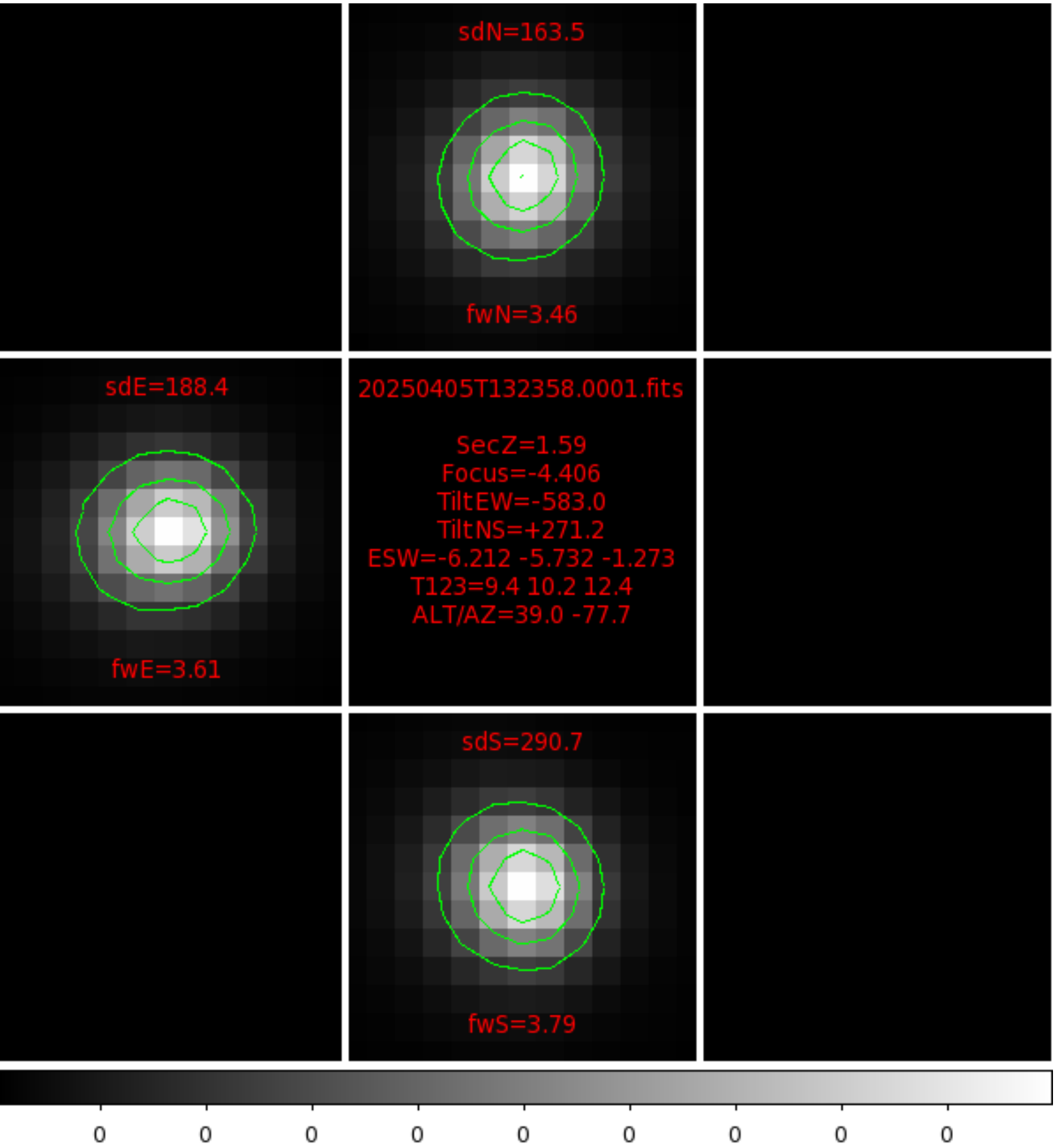
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sdE=188.4
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SecZ=1.59
Focus=-4.406
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.212 -5.732 -1.273
T123=9.4 10.2 12.4
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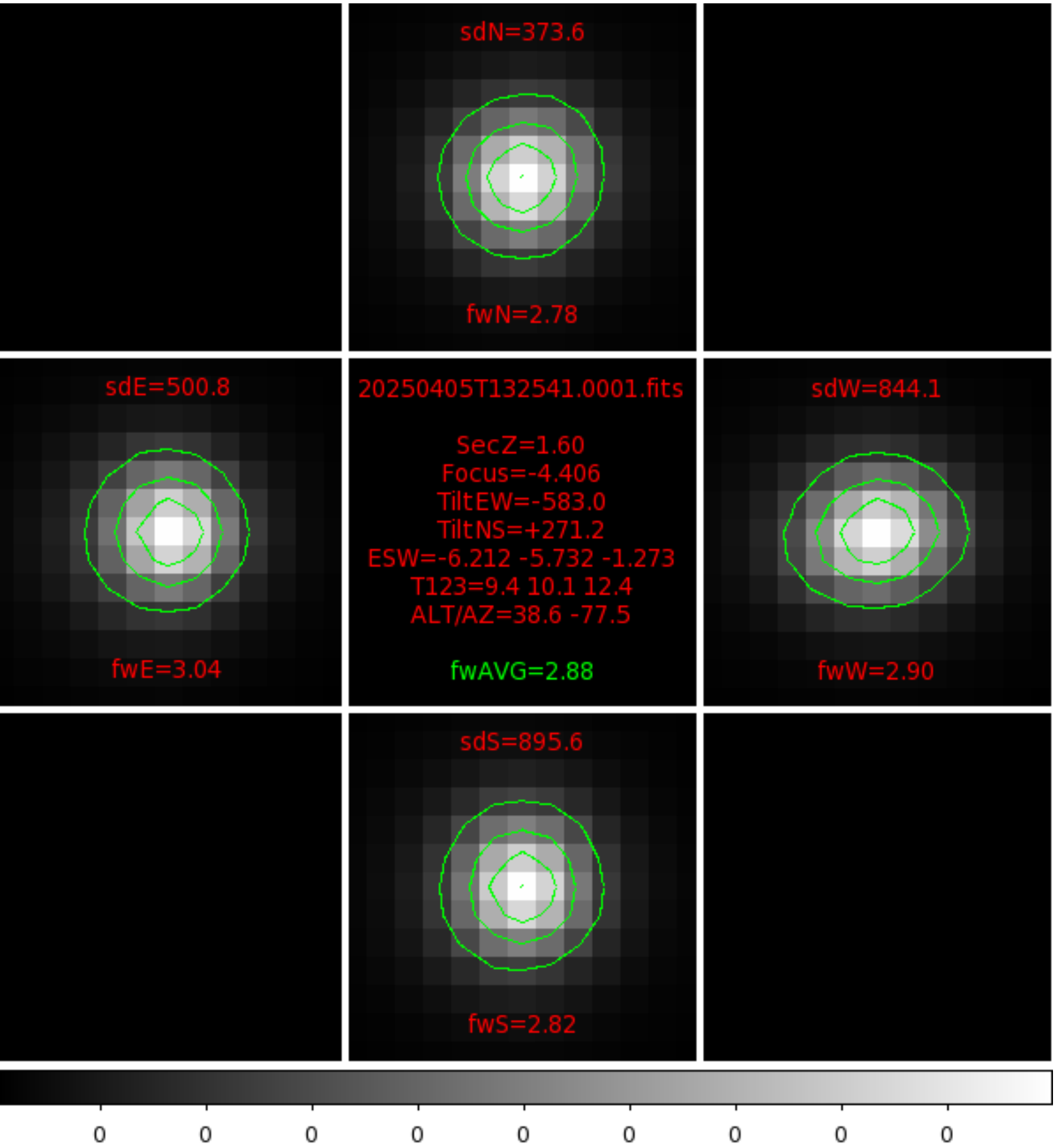
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SecZ=1.60
Focus=-4.406
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.212 -5.732 -1.273
T123=9.4 10.1 12.4
ALT/AZ=38.6 -77.5
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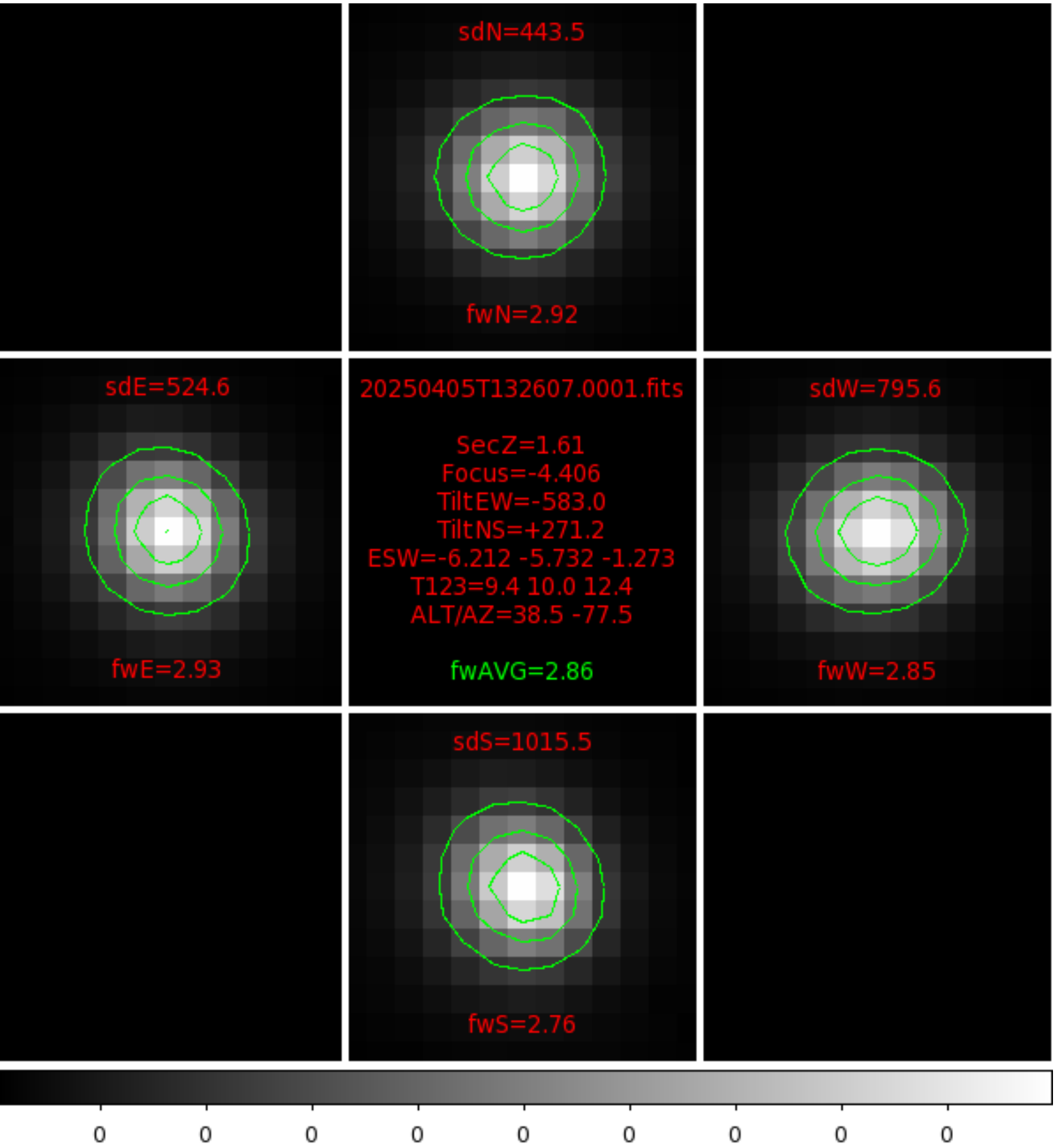
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fwE=2.93
20250405T132607.0001.fits
SecZ=1.61
Focus=-4.406
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.212 -5.732 -1.273
T123=9.4 10.0 12.4
ALT/AZ=38.5 -77.5
fwAVG=2.86
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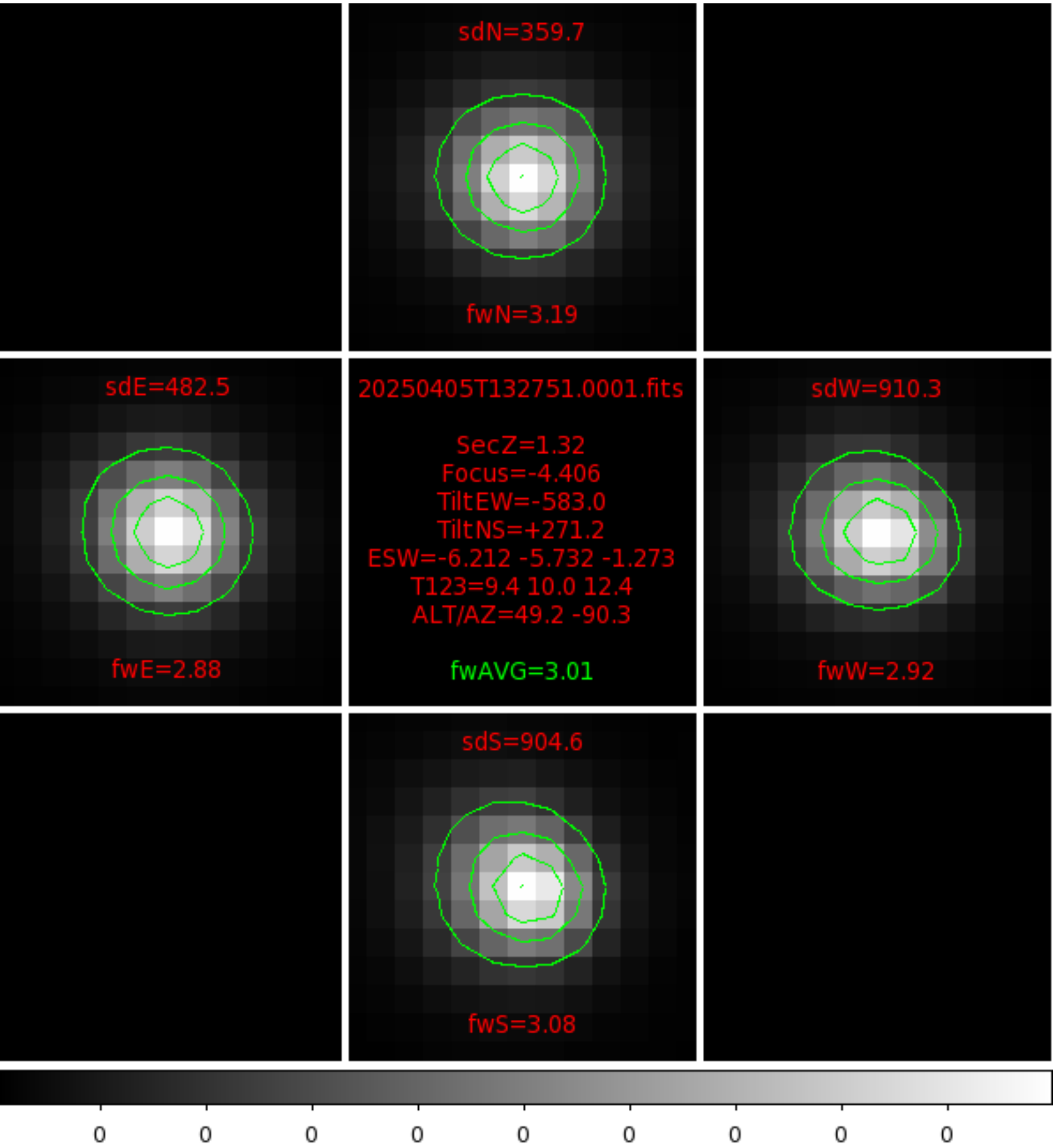
sdN=359.7
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SecZ=1.32
Focus=-4.406
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.212 -5.732 -1.273
T123=9.4 10.0 12.4
ALT/AZ=49.2 -90.3
fwAVG=3.01
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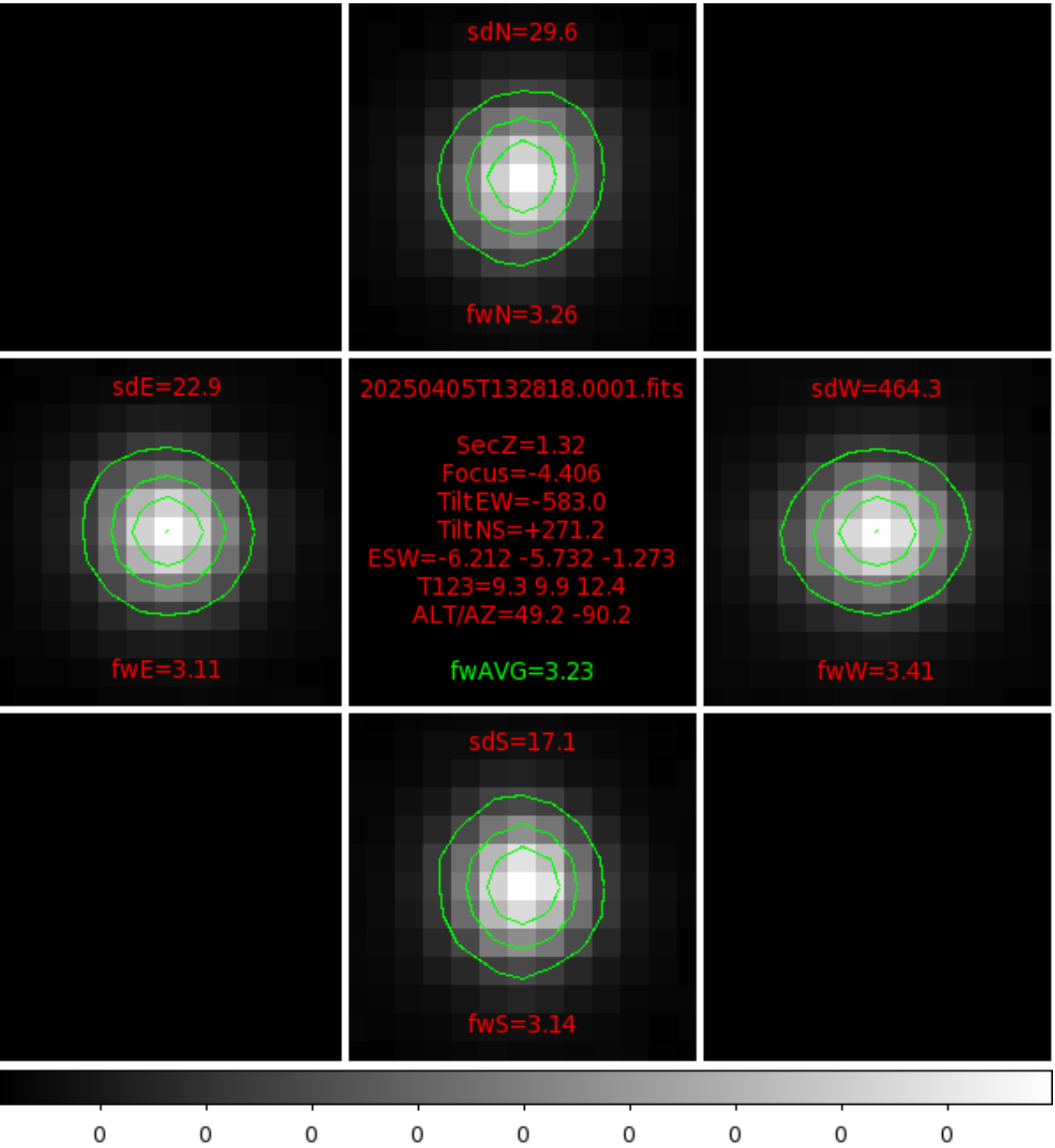
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SecZ=1.32
Focus=-4.406
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.212 -5.732 -1.273
T123=9.3 9.9 12.4
ALT/AZ=49.2 -90.2
fwAVG=3.23
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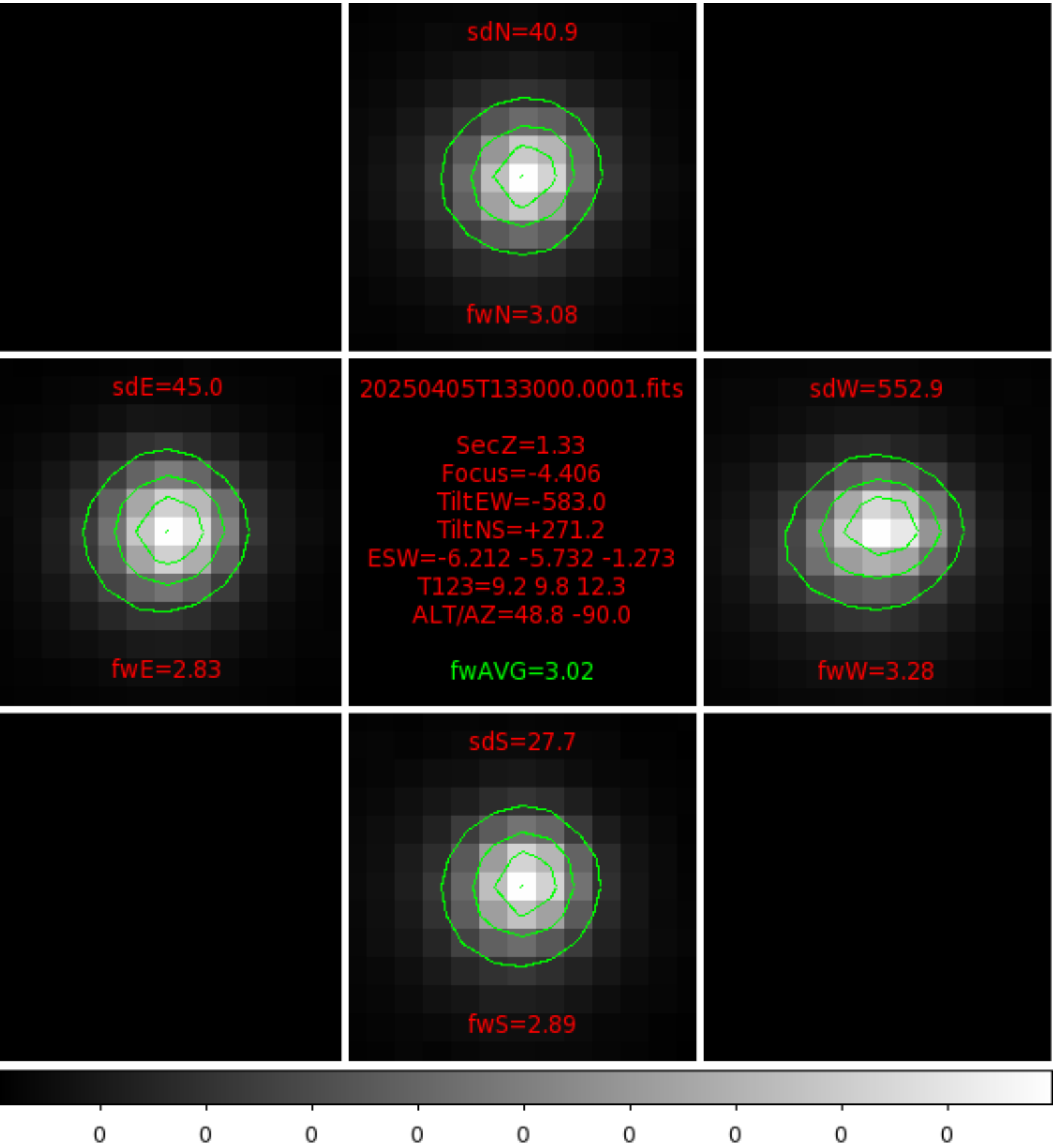
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SecZ=1.33
Focus=-4.406
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.212 -5.732 -1.273
T123=9.2 9.8 12.3
ALT/AZ=48.8 -90.0
fwAVG=3.02
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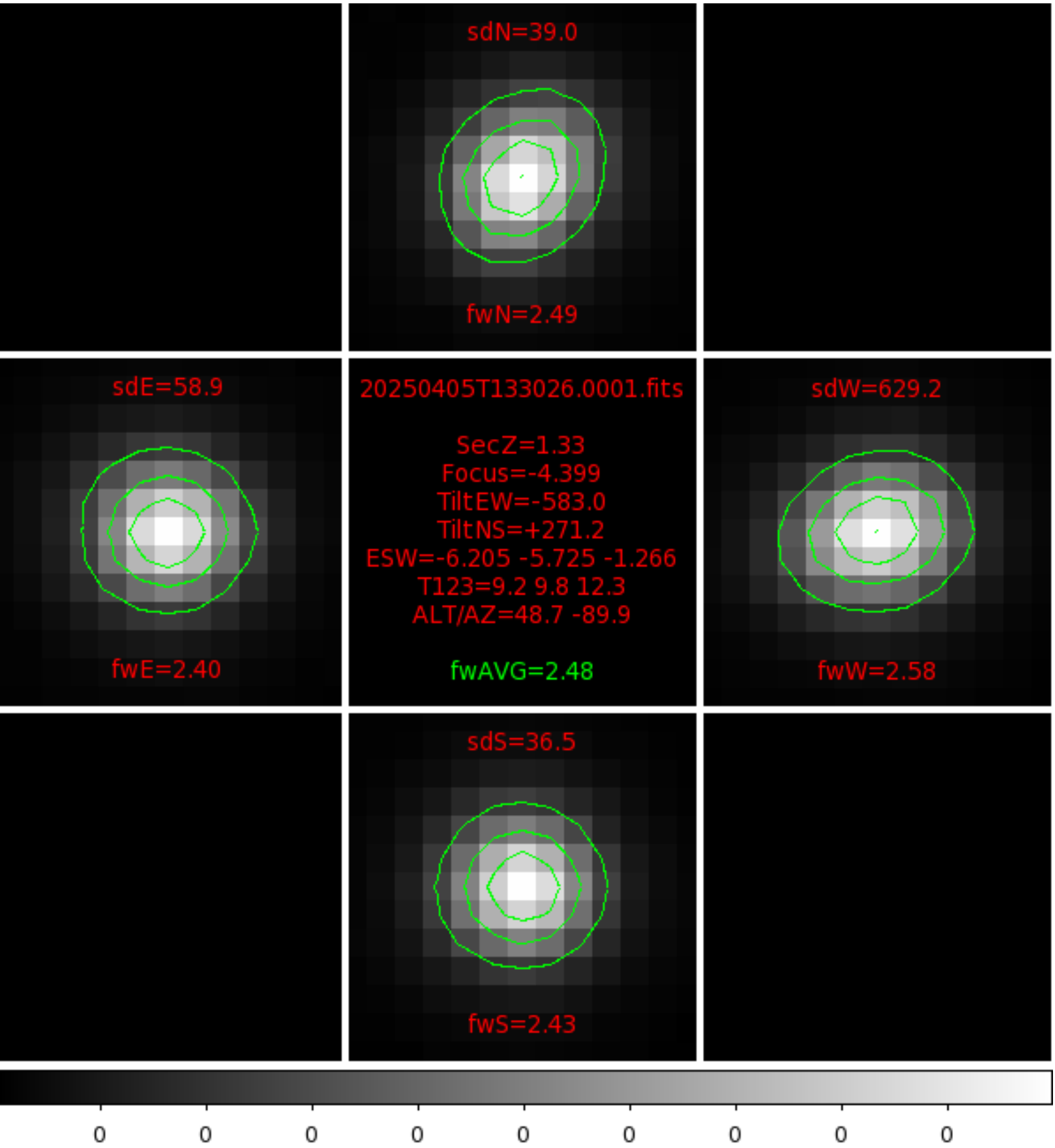
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SecZ=1.33
Focus=-4.399
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.2 9.8 12.3
ALT/AZ=48.7 -89.9
fwAVG=2.48
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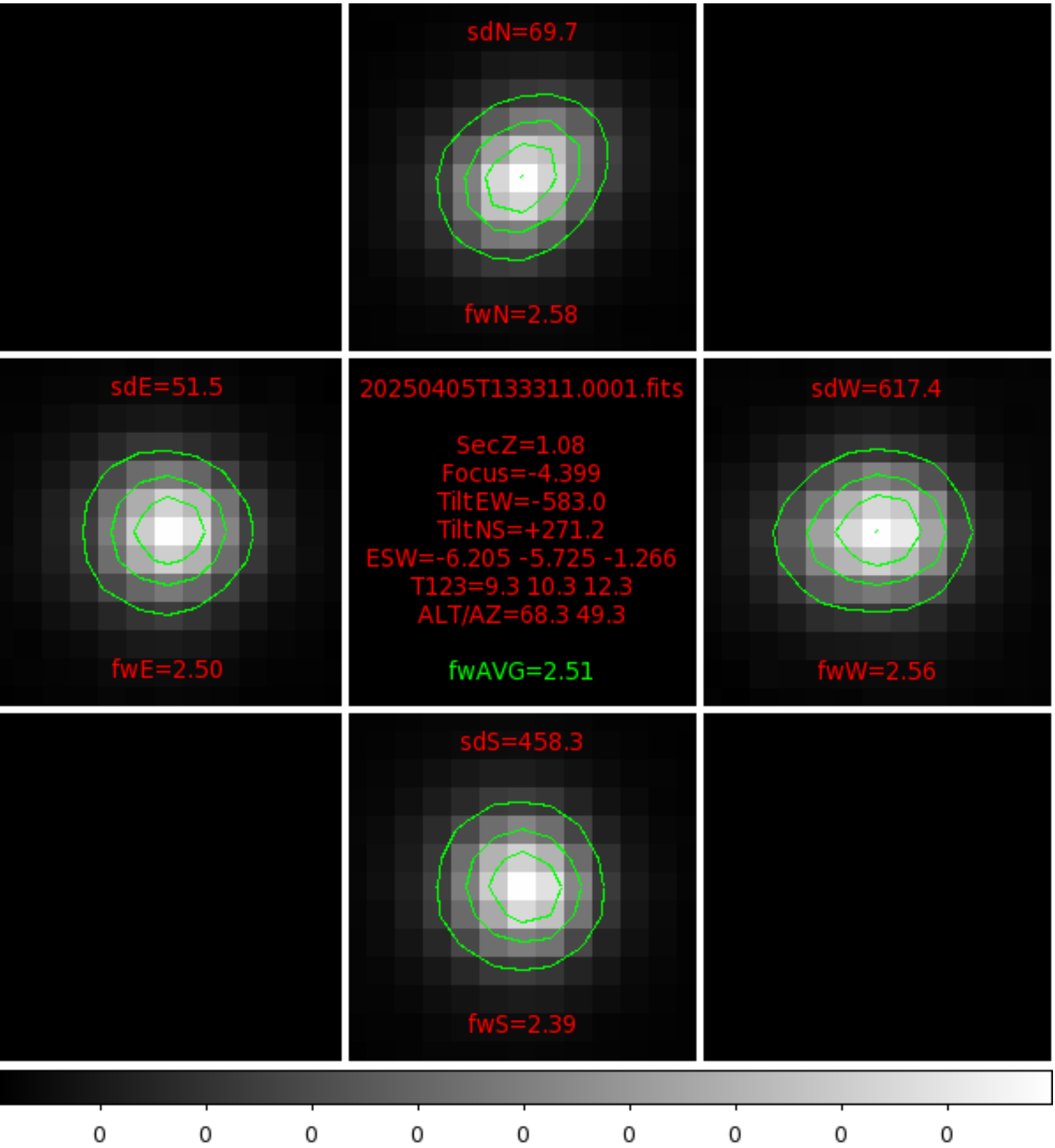
sdN=69.7
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20250405T133311.0001.fits
SecZ=1.08
Focus=-4.399
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 10.3 12.3
ALT/AZ=68.3 49.3
fwAVG=2.51
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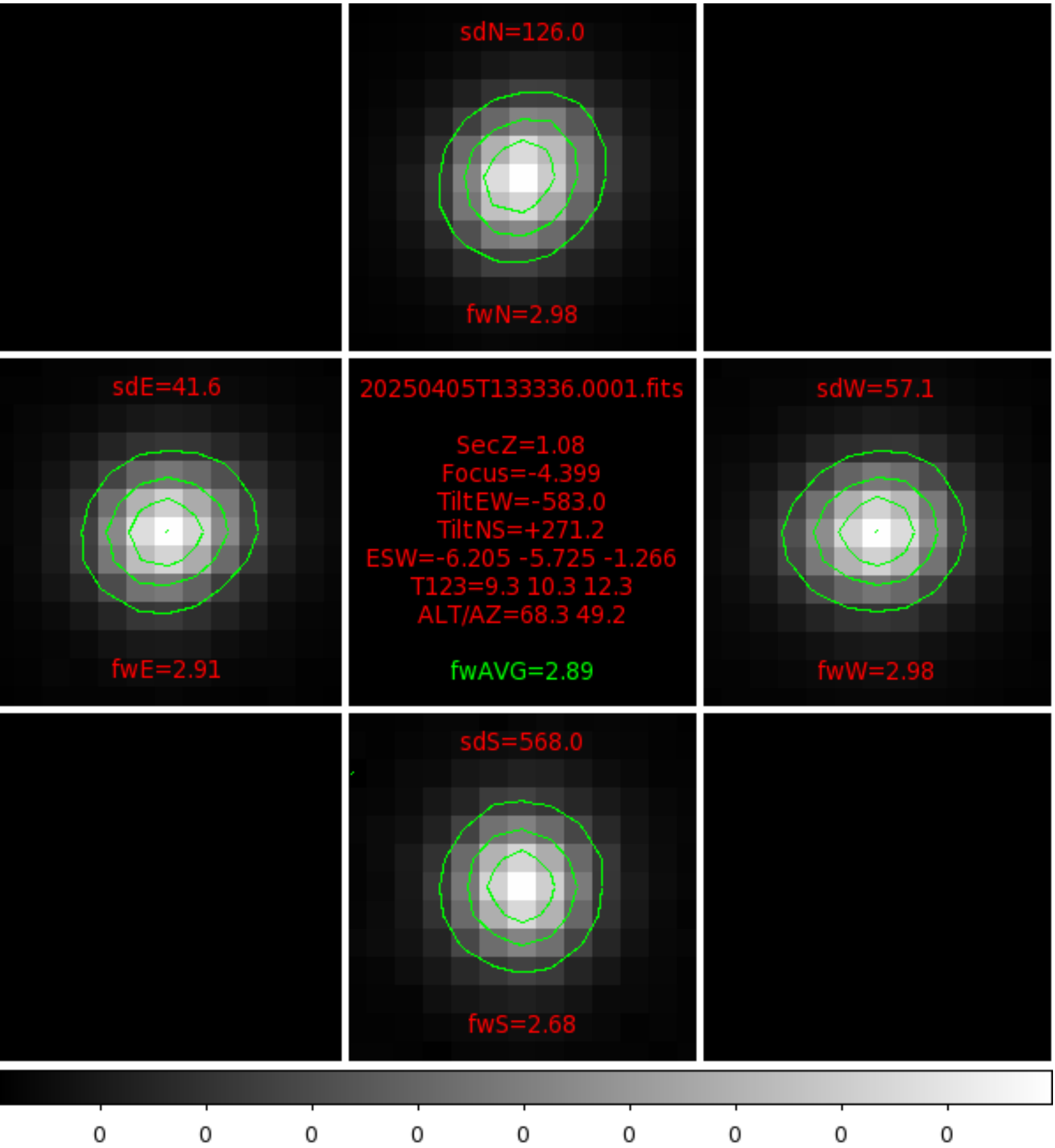
sdN=126.0
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SecZ=1.08
Focus=-4.399
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 10.3 12.3
ALT/AZ=68.3 49.2
fwAVG=2.89
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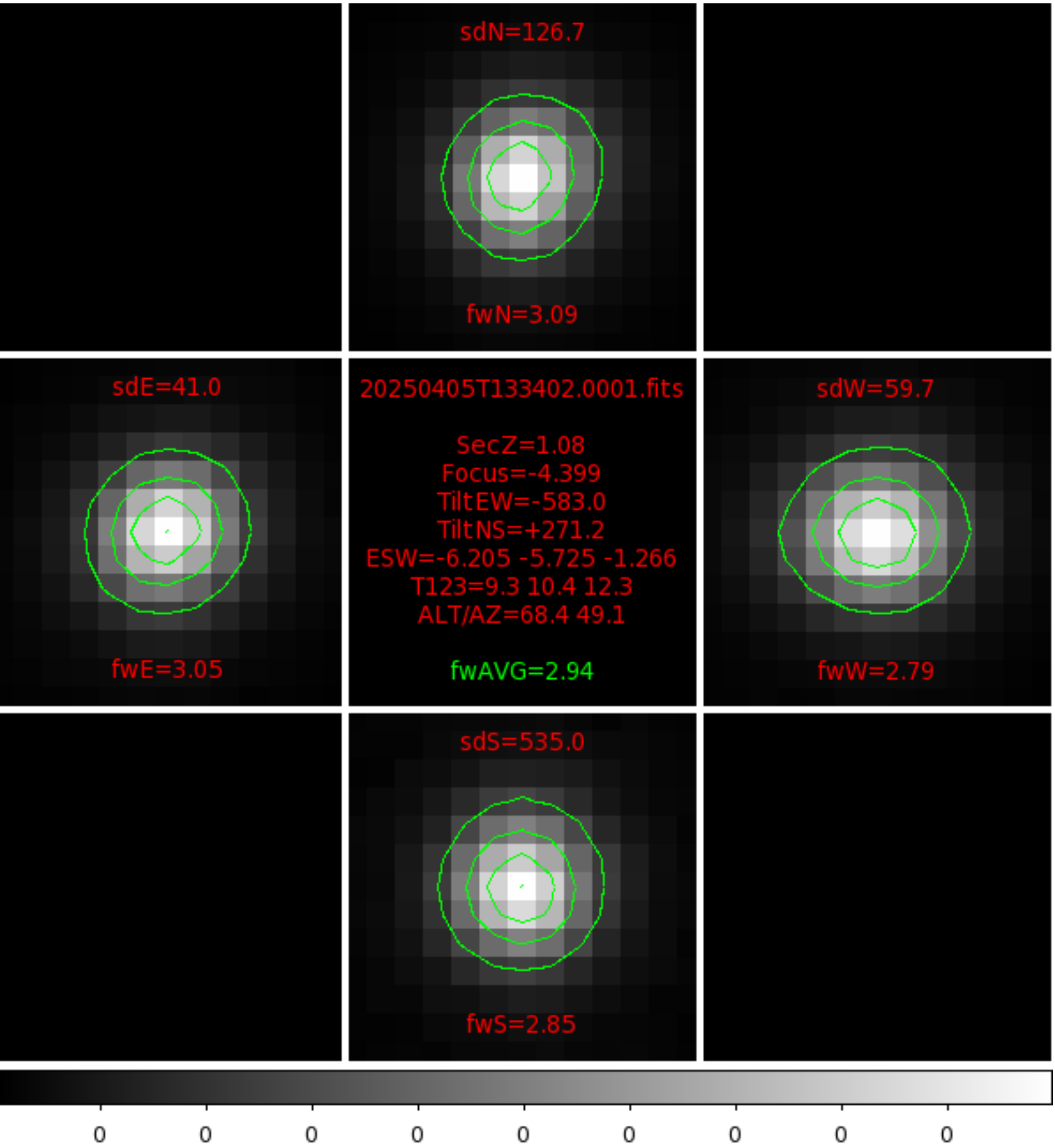
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SecZ=1.08
Focus=-4.399
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 10.4 12.3
ALT/AZ=68.4 49.1
fwAVG=2.94
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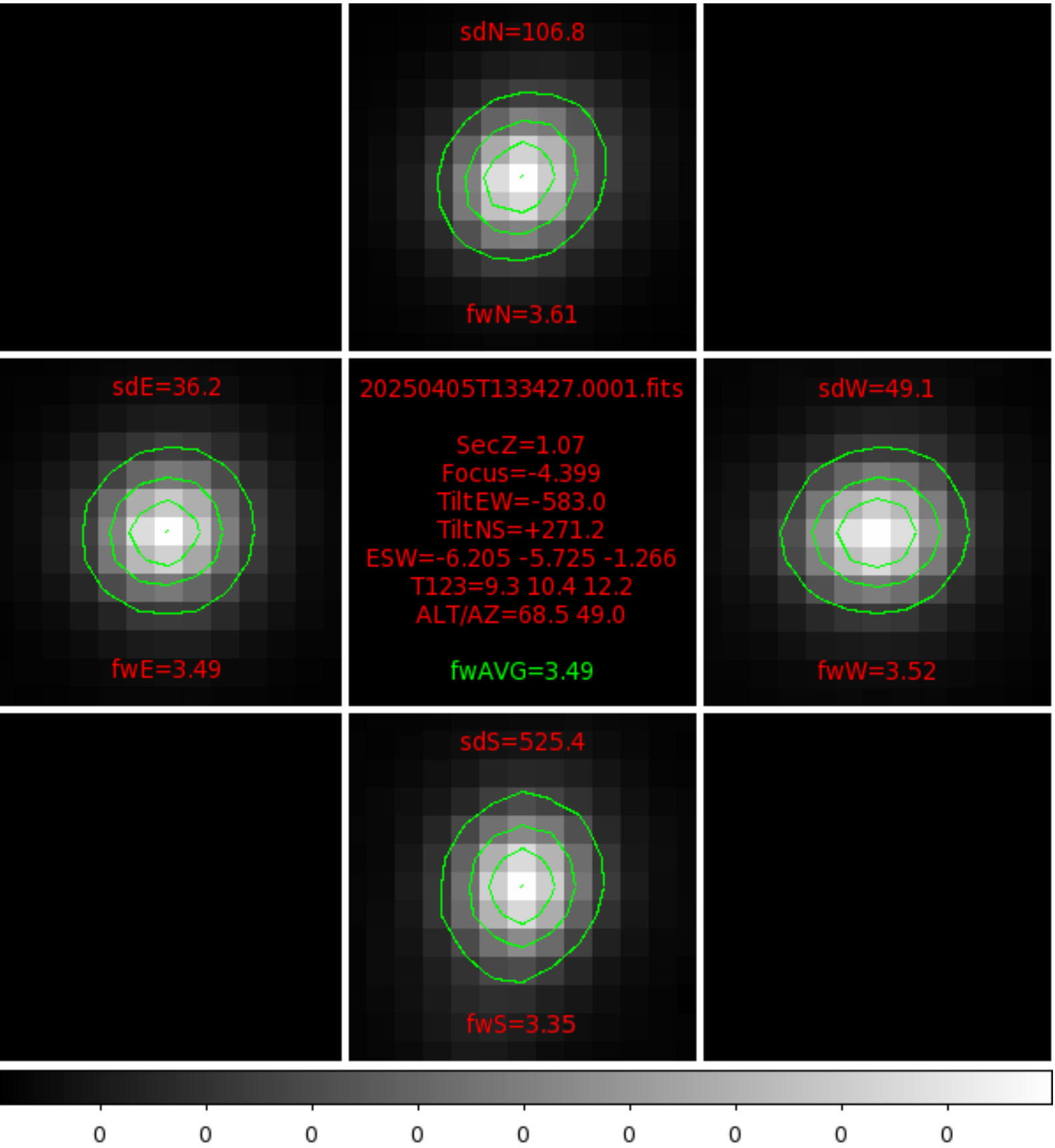
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sdE=36.2
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SecZ=1.07
Focus=-4.399
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 10.4 12.2
ALT/AZ=68.5 49.0
fwAVG=3.49
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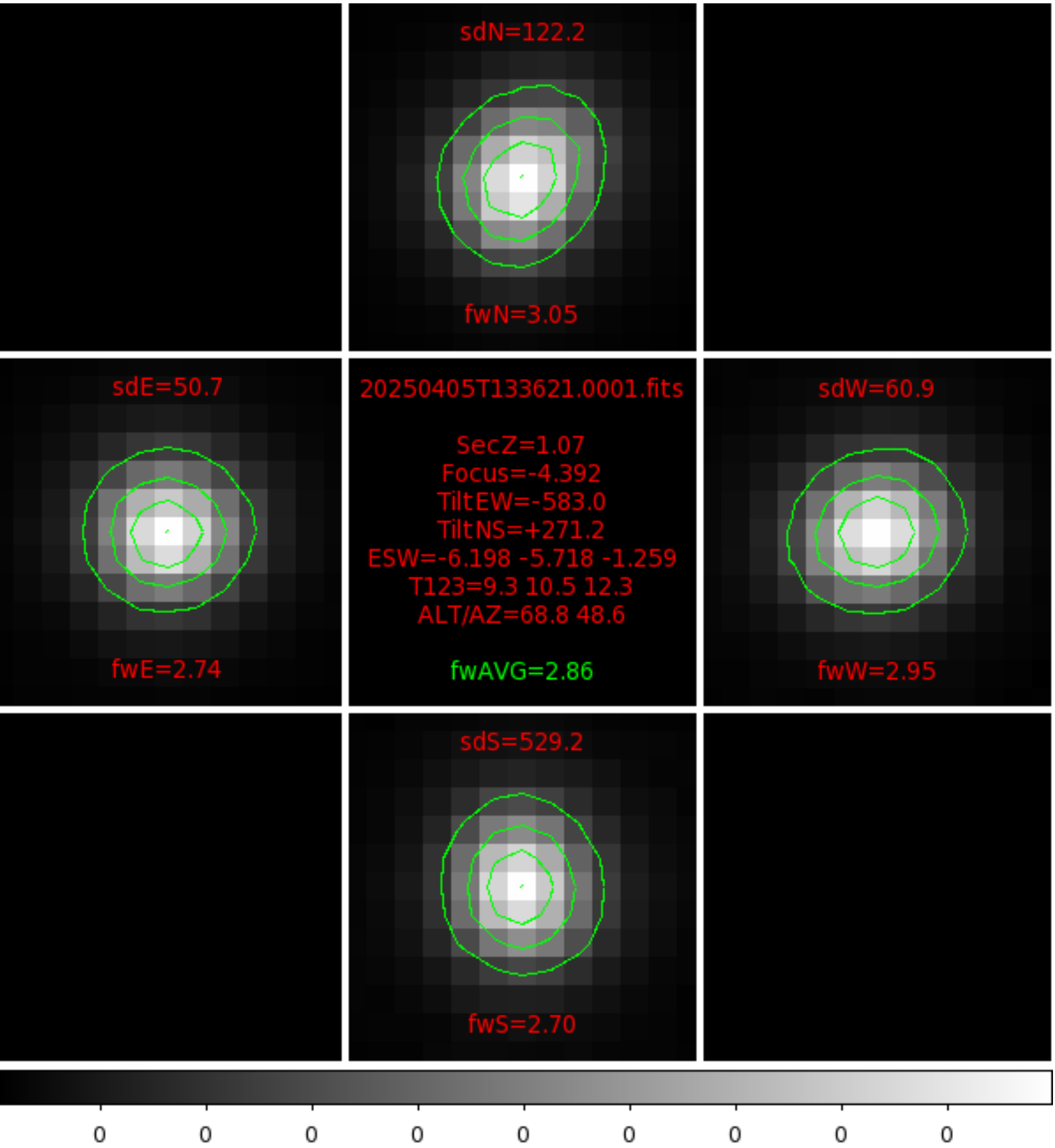
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SecZ=1.07
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TiltNS=+271.2
ESW=-6.198 -5.718 -1.259
T123=9.3 10.5 12.3
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fwAVG=2.86
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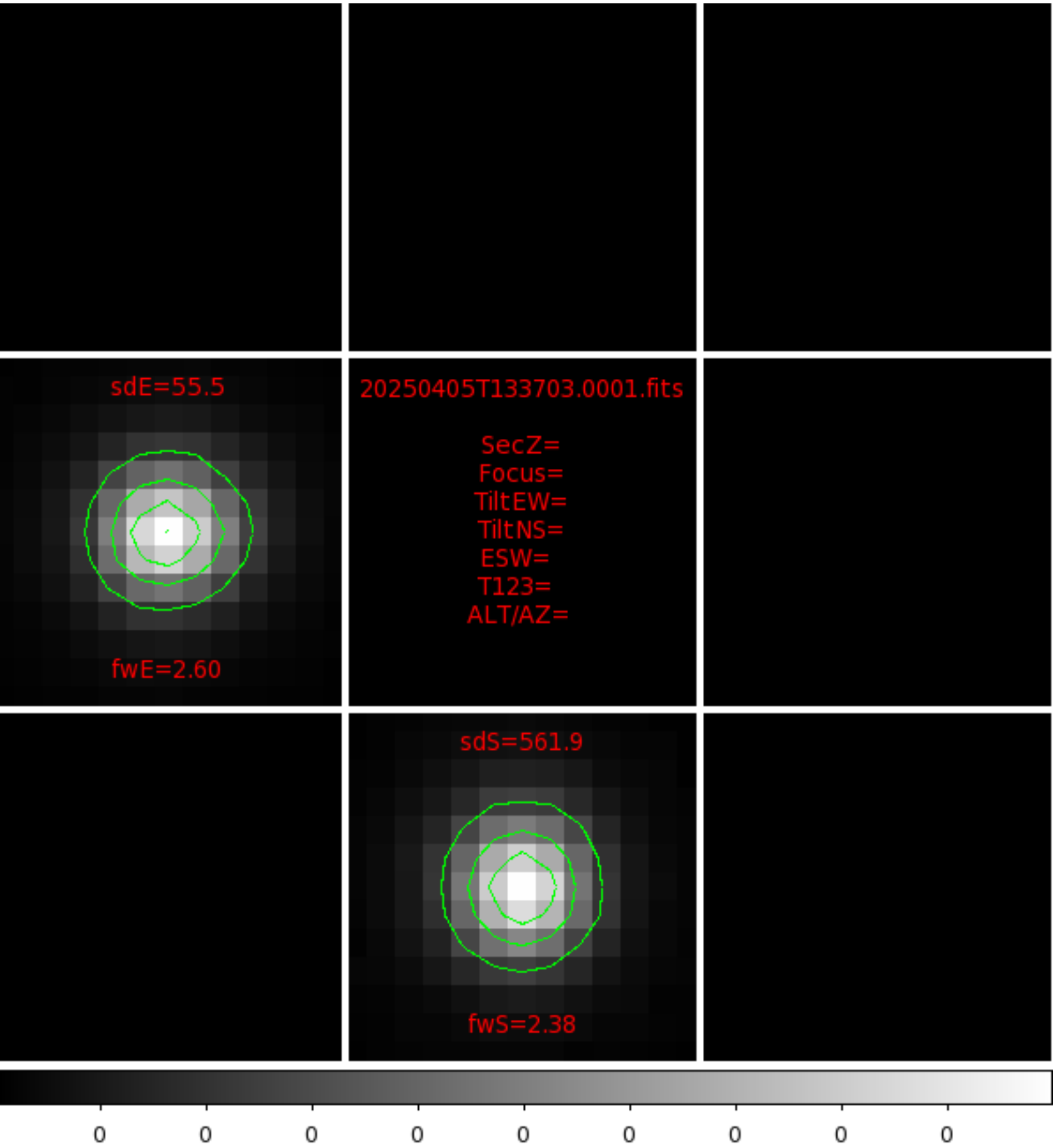
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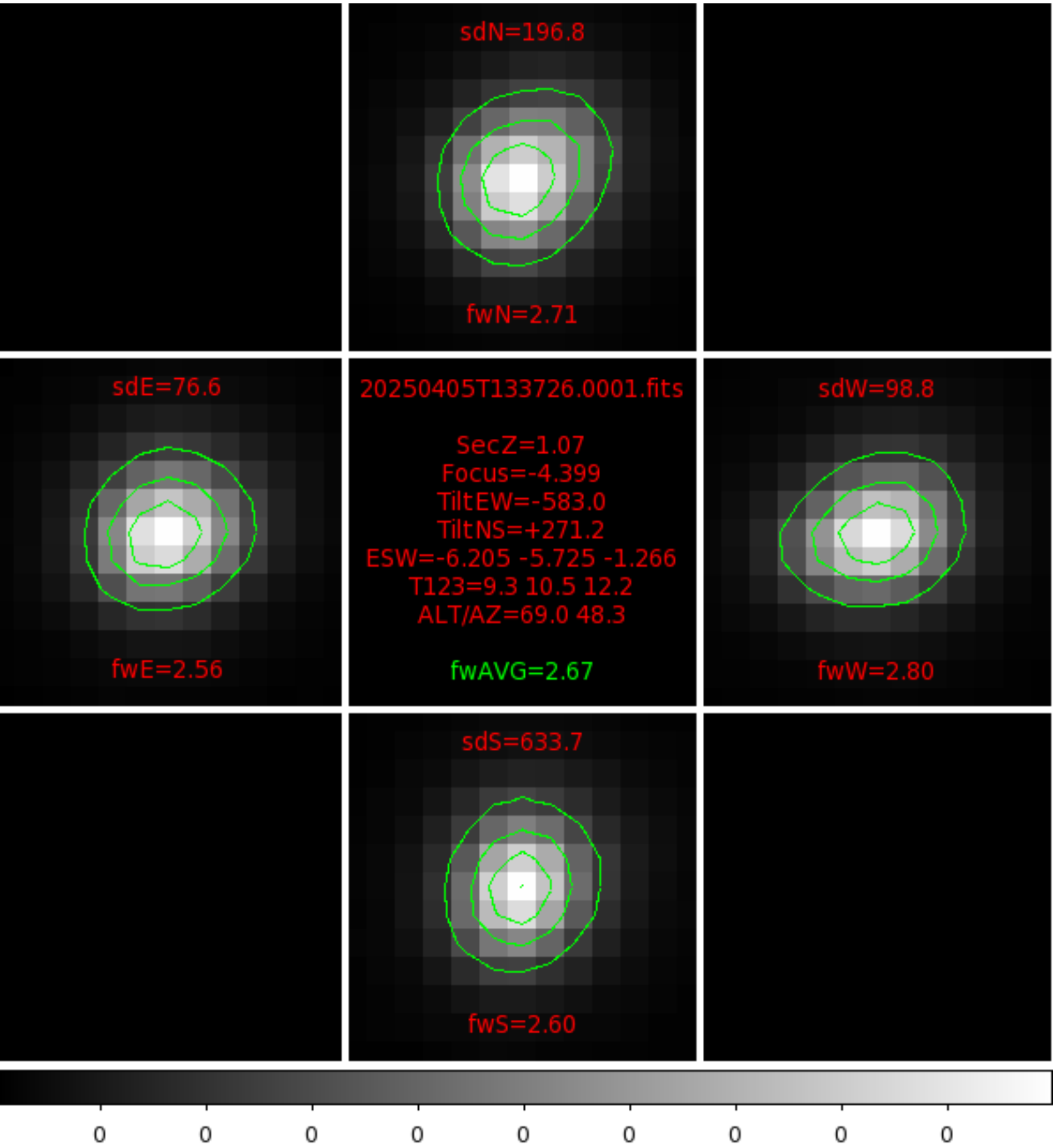
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SecZ=1.07
Focus=-4.399
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 10.5 12.2
ALT/AZ=69.0 48.3
fwAVG=2.67
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sdS=633.7
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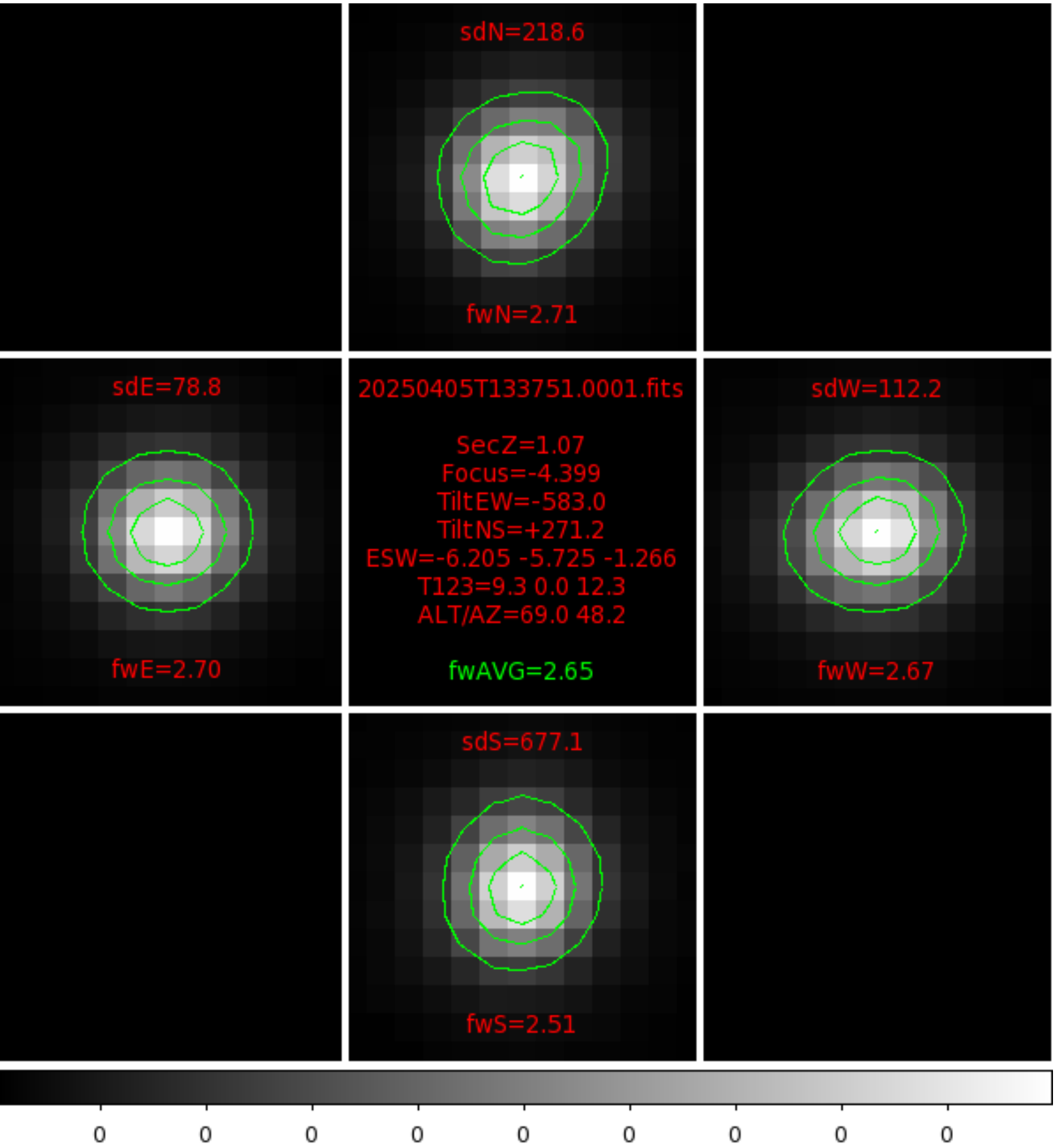
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SecZ=1.07
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 0.0 12.3
ALT/AZ=69.0 48.2
fwAVG=2.65
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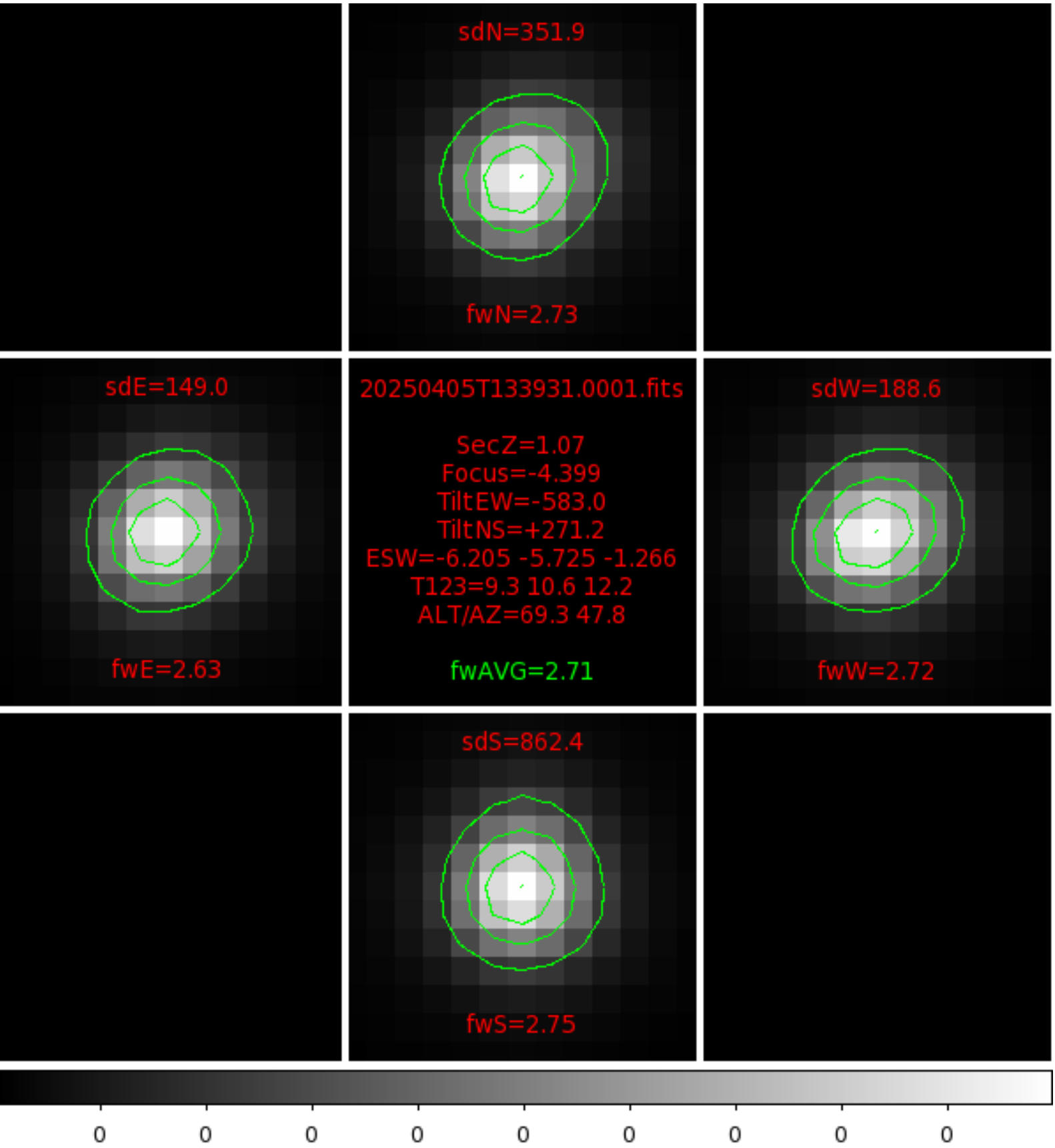
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SecZ=1.07
Focus=-4.399
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 10.6 12.2
ALT/AZ=69.3 47.8
fwAVG=2.71
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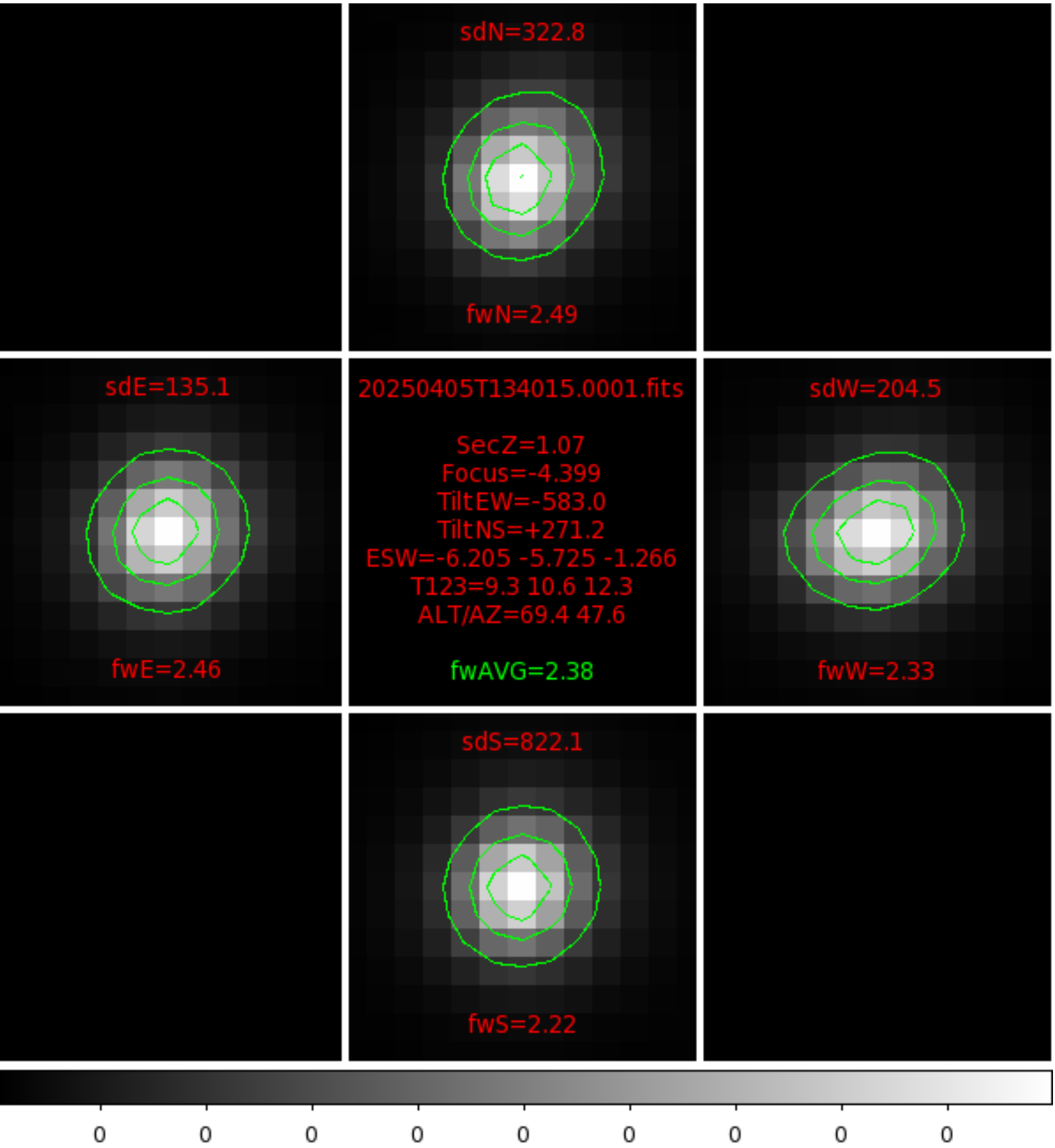
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Focus=-4.399
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 10.6 12.3
ALT/AZ=69.4 47.6
fwAVG=2.38
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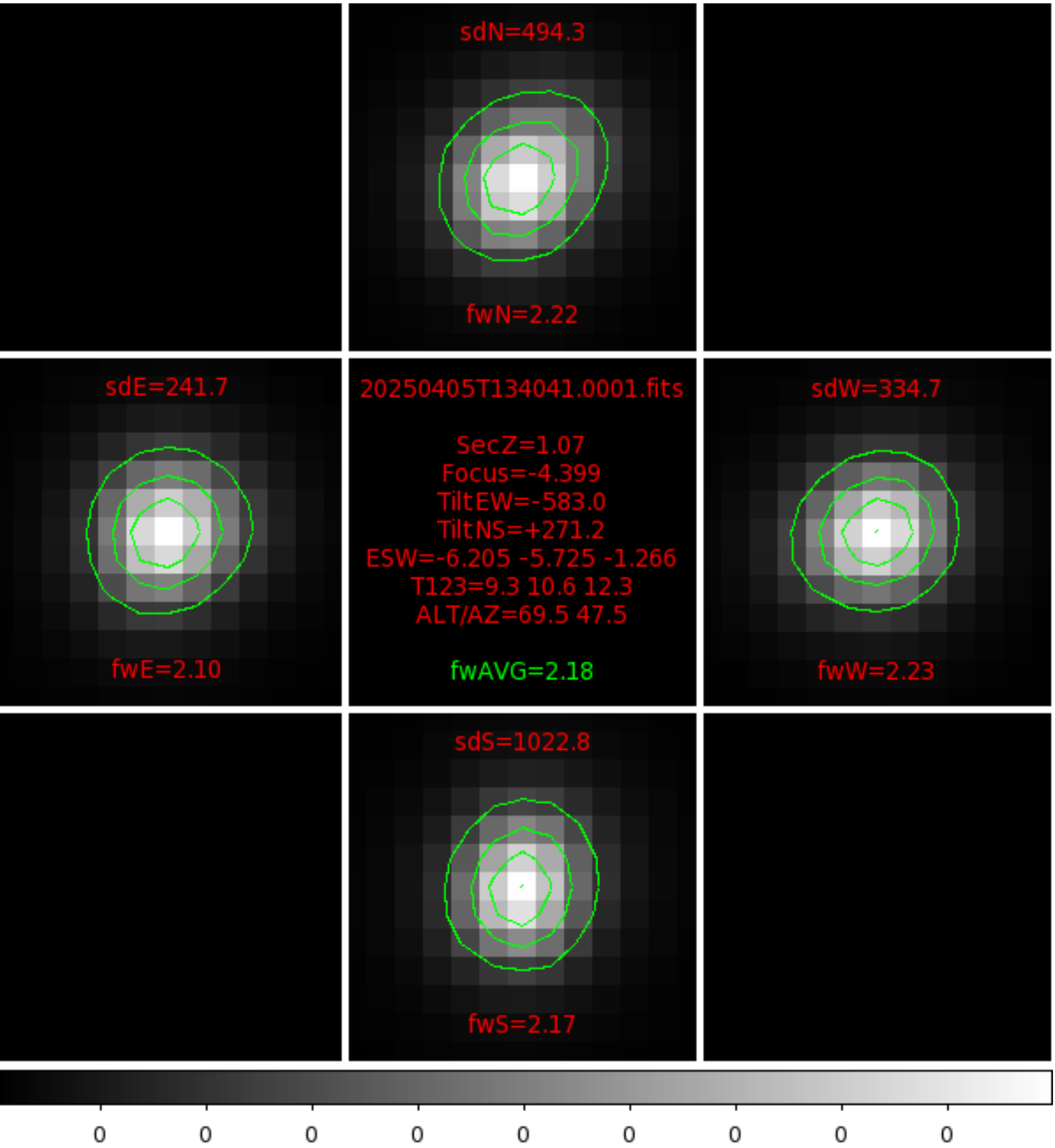
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SecZ=1.07
Focus=-4.399
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 10.6 12.3
ALT/AZ=69.5 47.5
fwAVG=2.18
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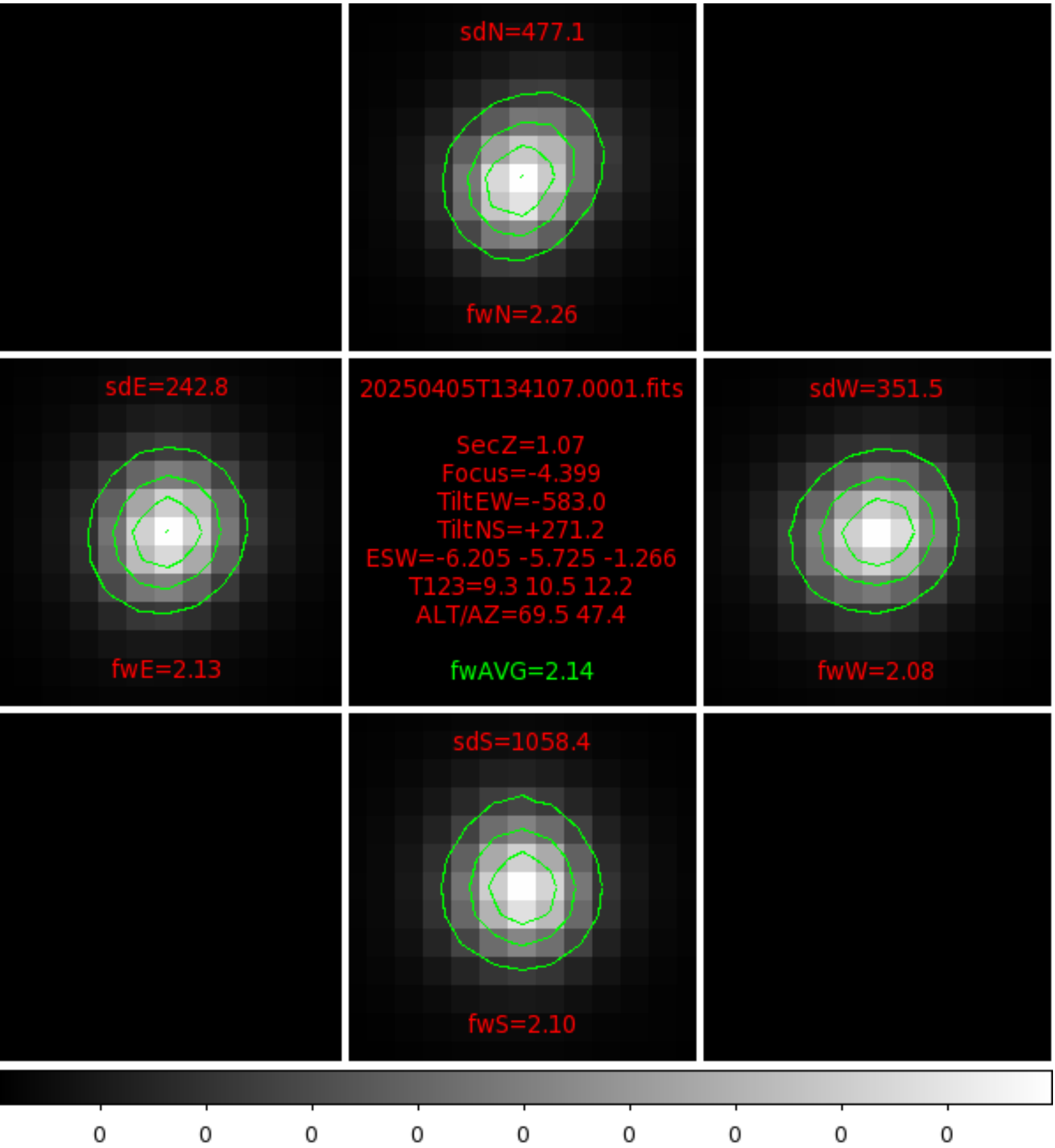
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SecZ=1.07
Focus=-4.399
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 10.5 12.2
ALT/AZ=69.5 47.4
fwAVG=2.14
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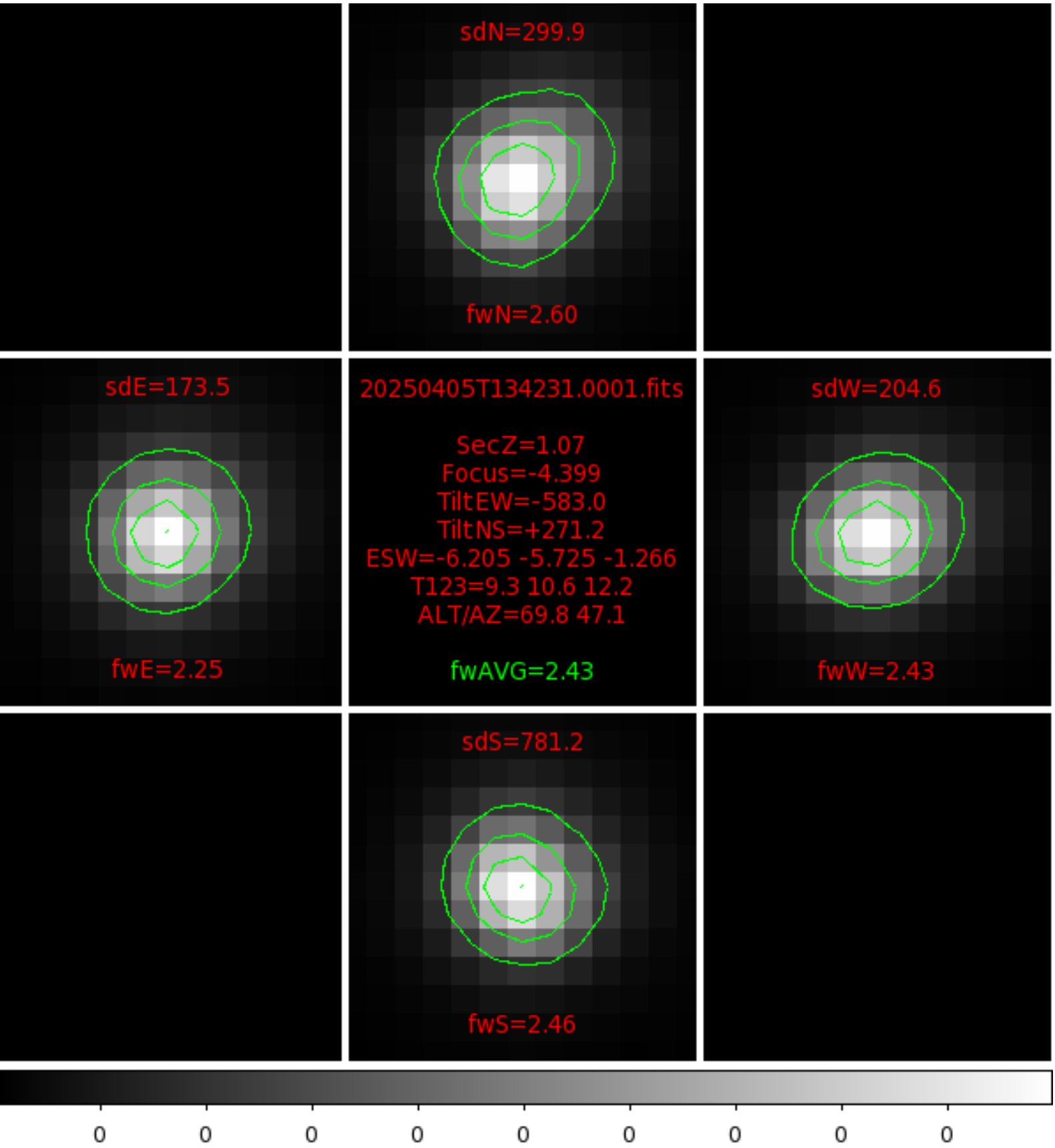
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sdE=173.5
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20250405T134231.0001.fits
SecZ=1.07
Focus=-4.399
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TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 10.6 12.2
ALT/AZ=69.8 47.1
fwAVG=2.43
sdW=204.6
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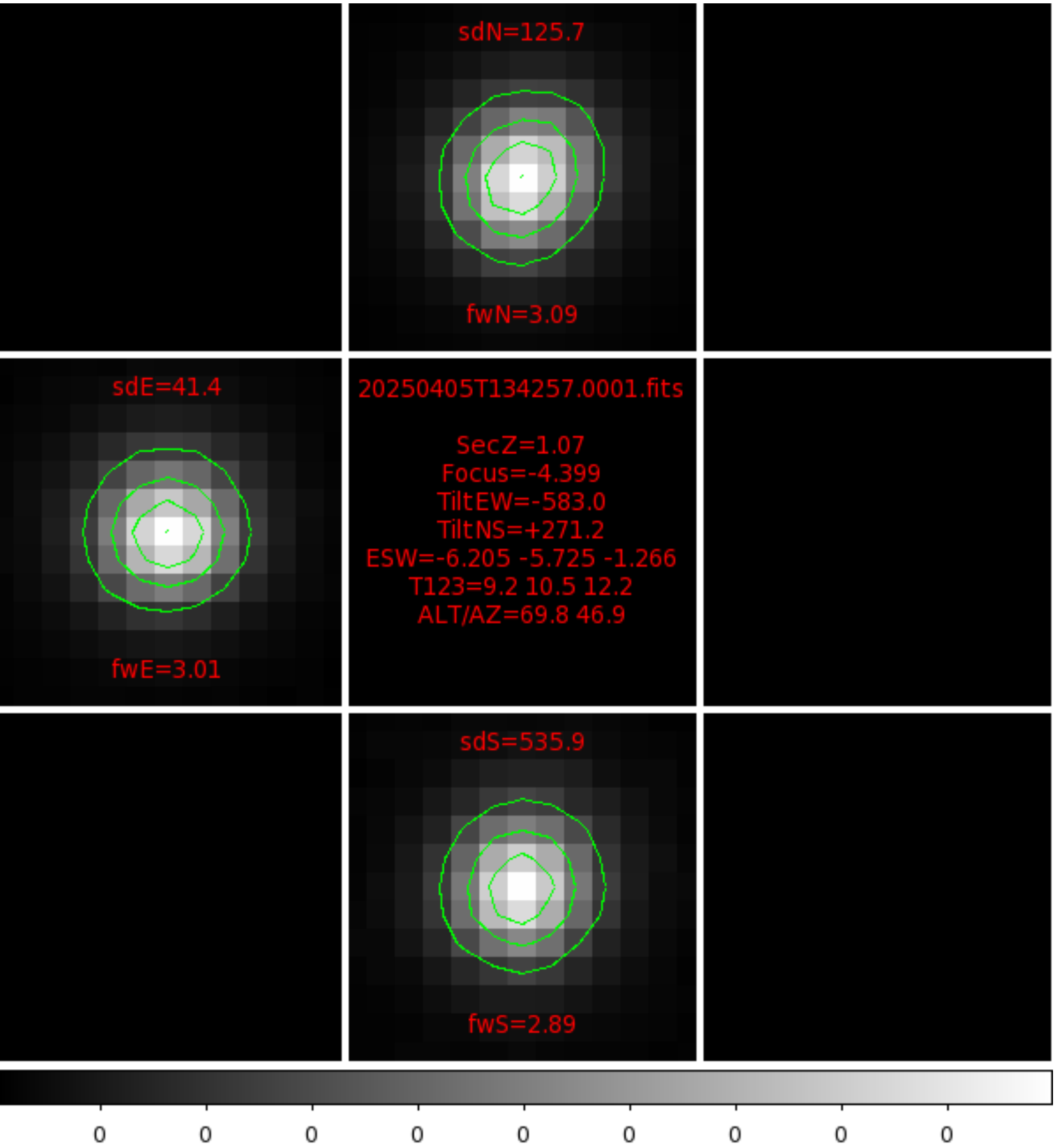
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ESW=-6.205 -5.725 -1.266
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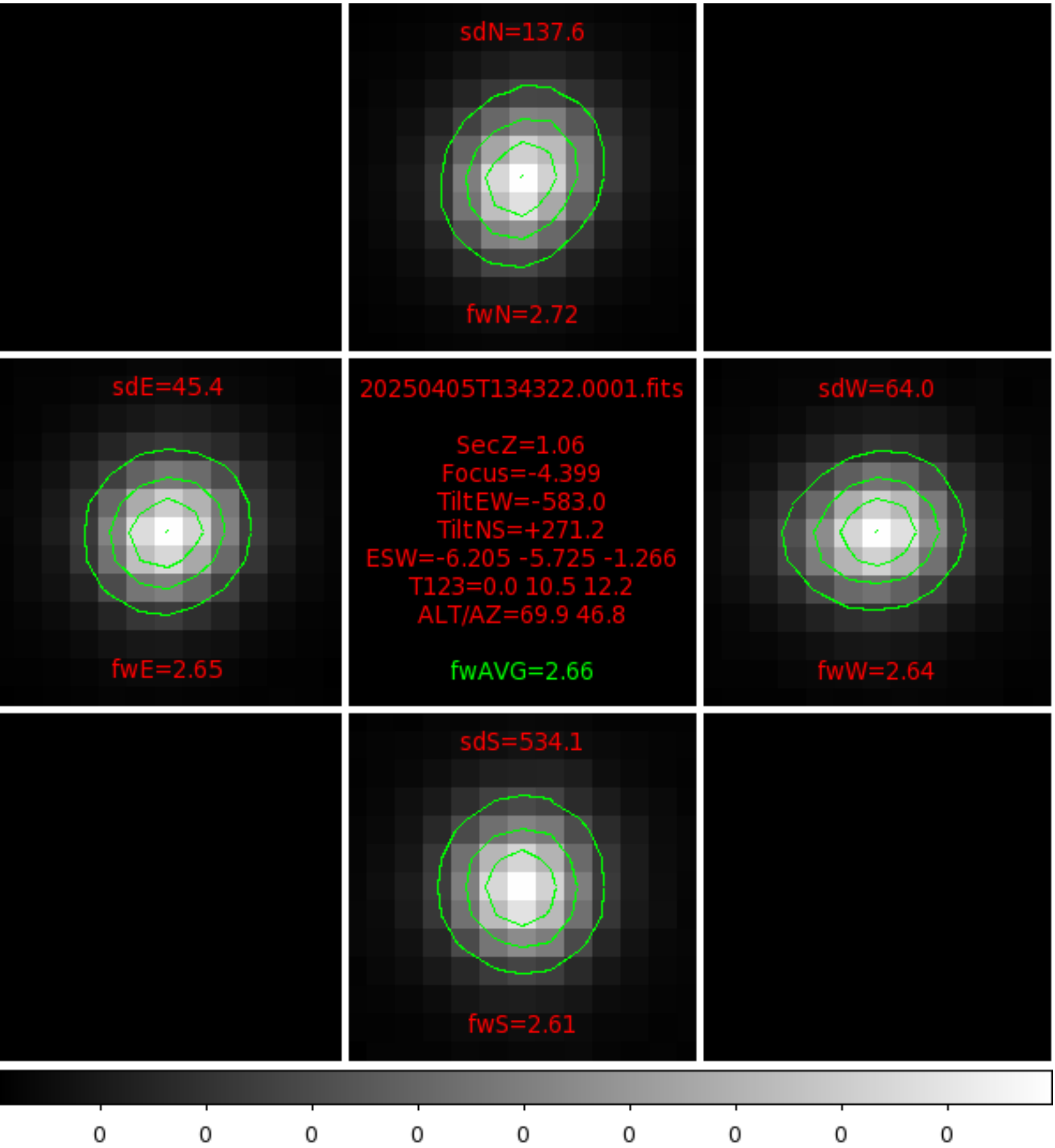
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SecZ=1.06
Focus=-4.399
TiltEW=-583.0
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T123=0.0 10.5 12.2
ALT/AZ=69.9 46.8
fwAVG=2.66
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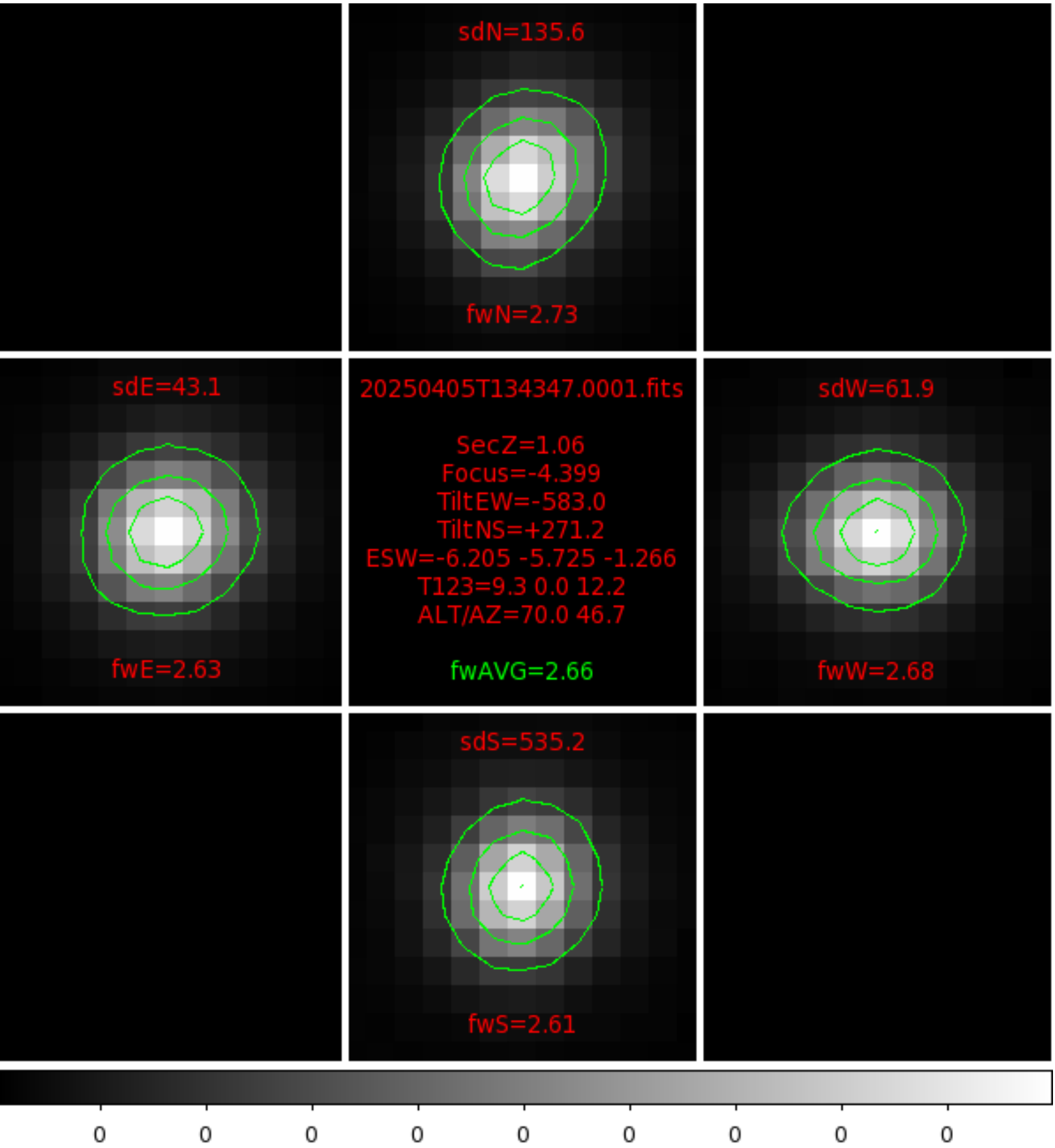
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SecZ=1.06
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fwAVG=2.66
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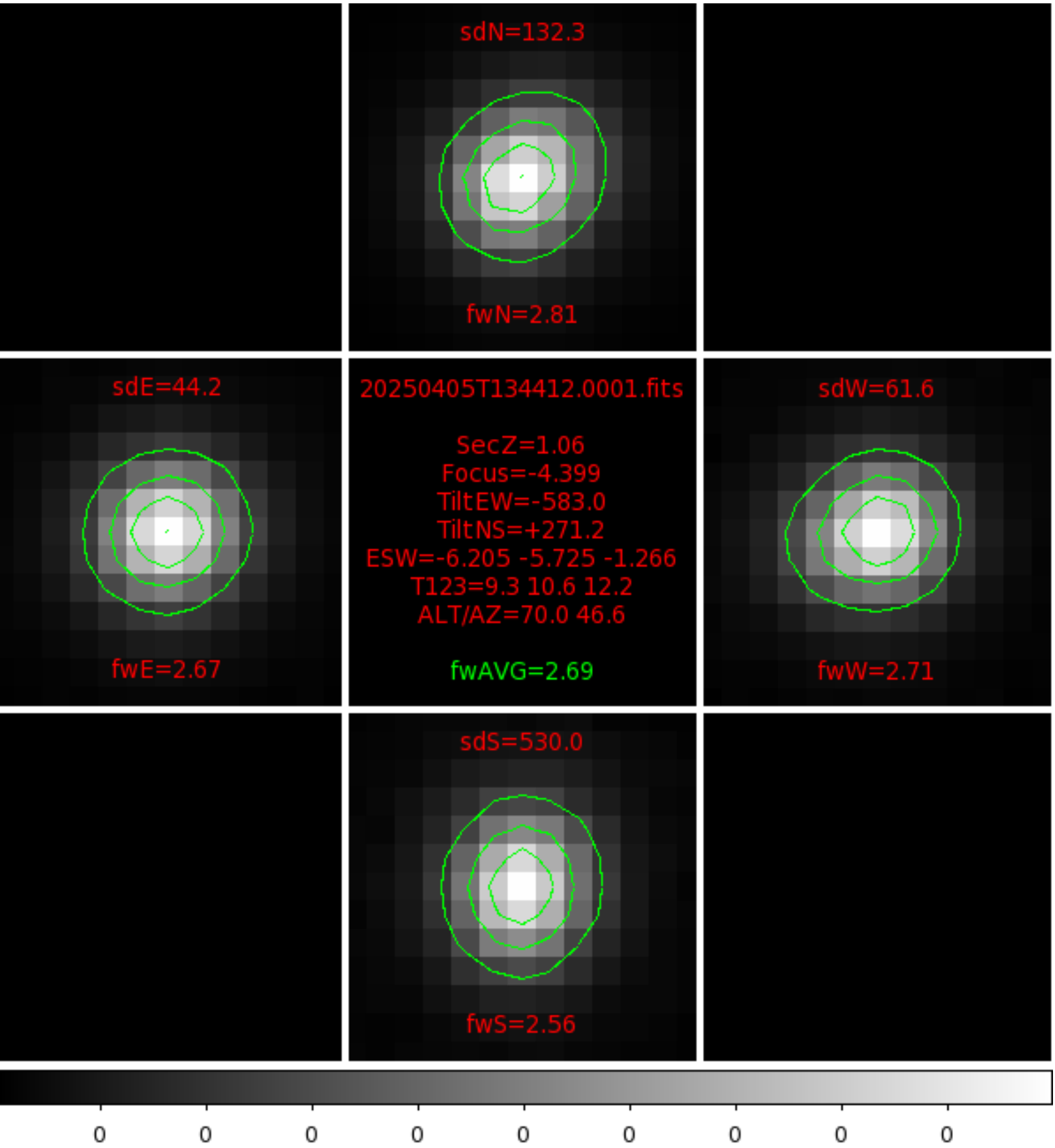
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SecZ=1.06
Focus=-4.399
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 10.6 12.2
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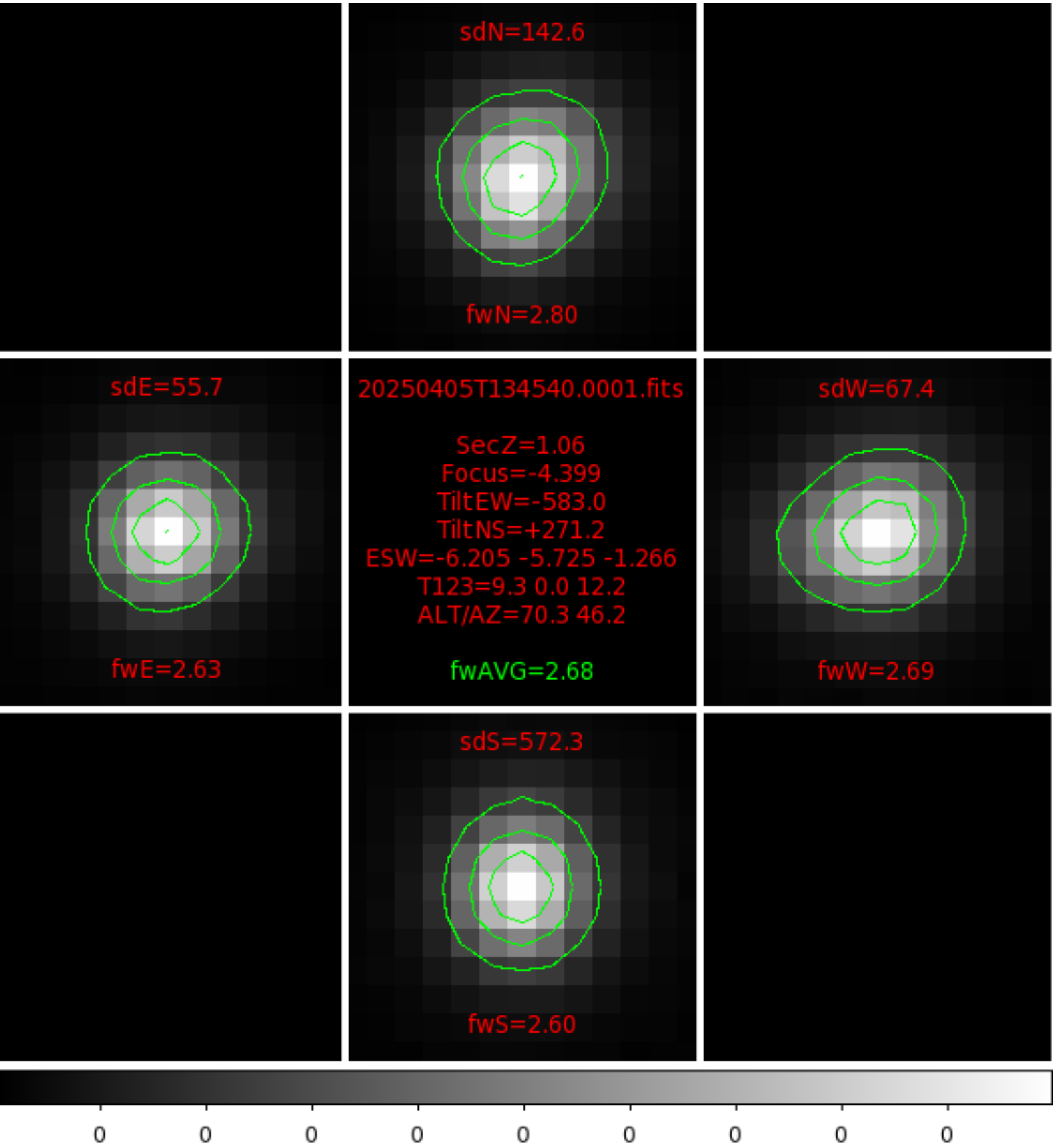
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fwE=2.63
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SecZ=1.06
Focus=-4.399
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 0.0 12.2
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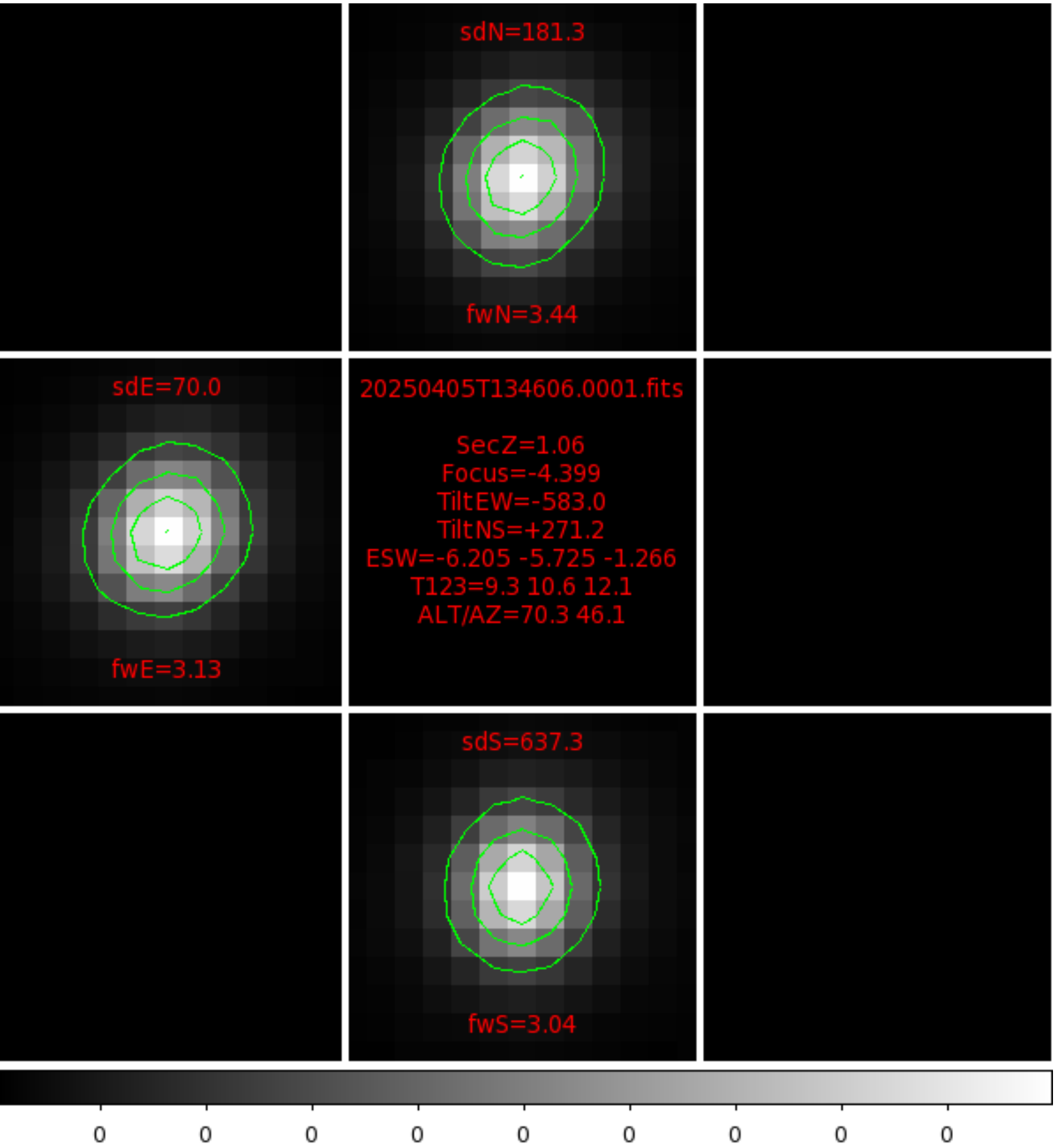
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SecZ=1.06
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TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 10.6 12.1
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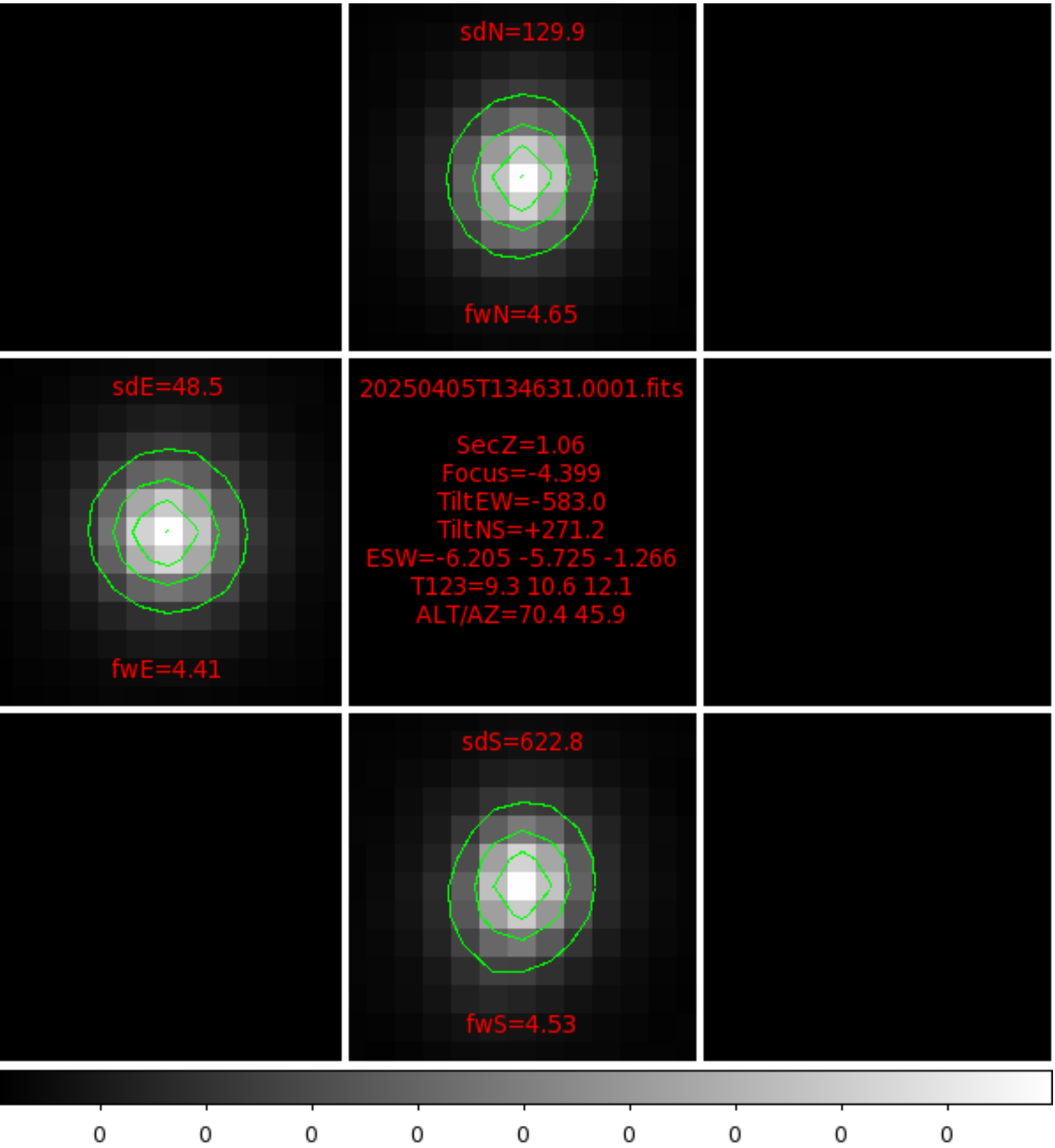
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SecZ=1.06
Focus=-4.399
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 10.6 12.1
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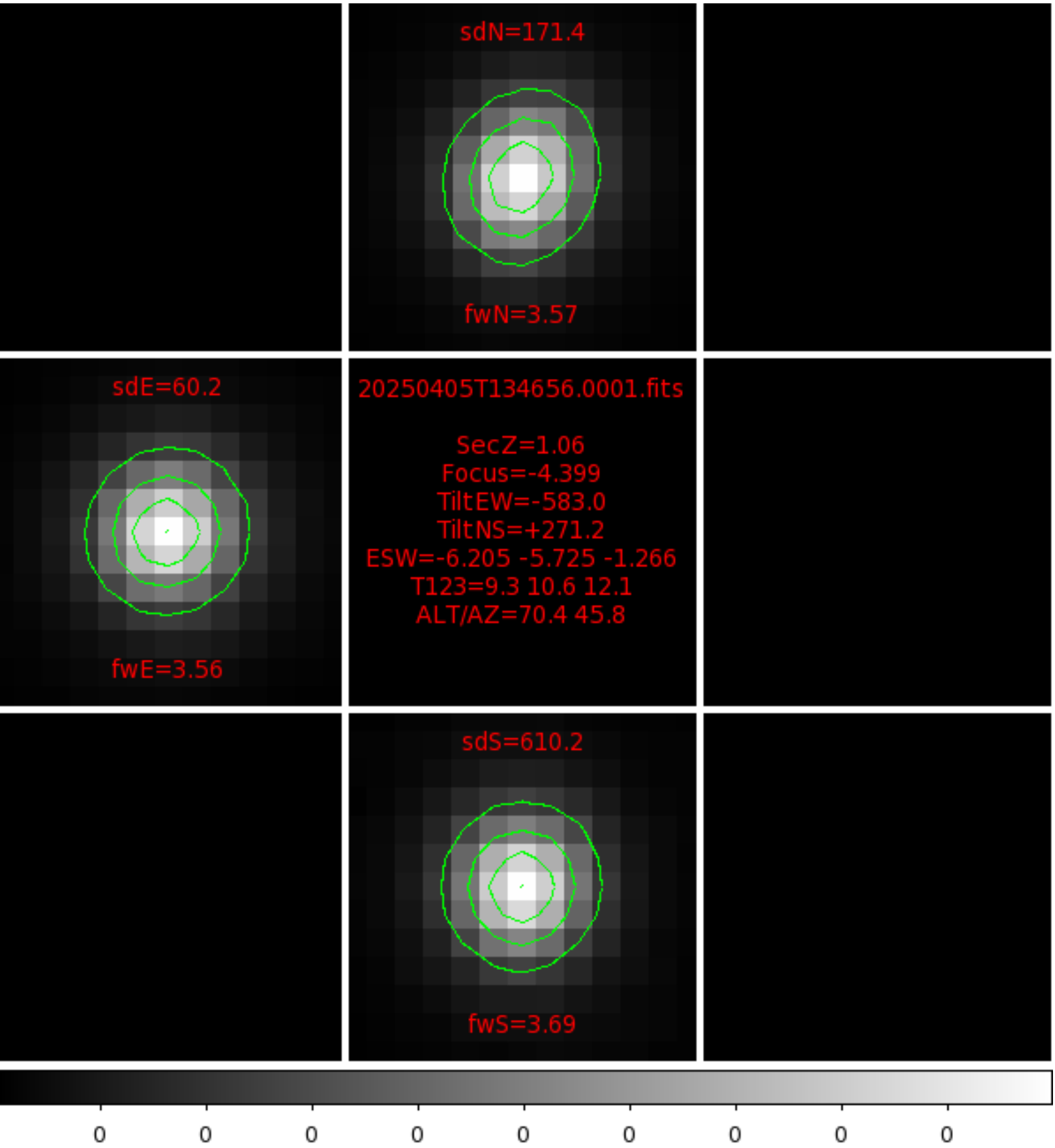
sdN=171.4
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fwE=3.56
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SecZ=1.06
Focus=-4.399
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 10.6 12.1
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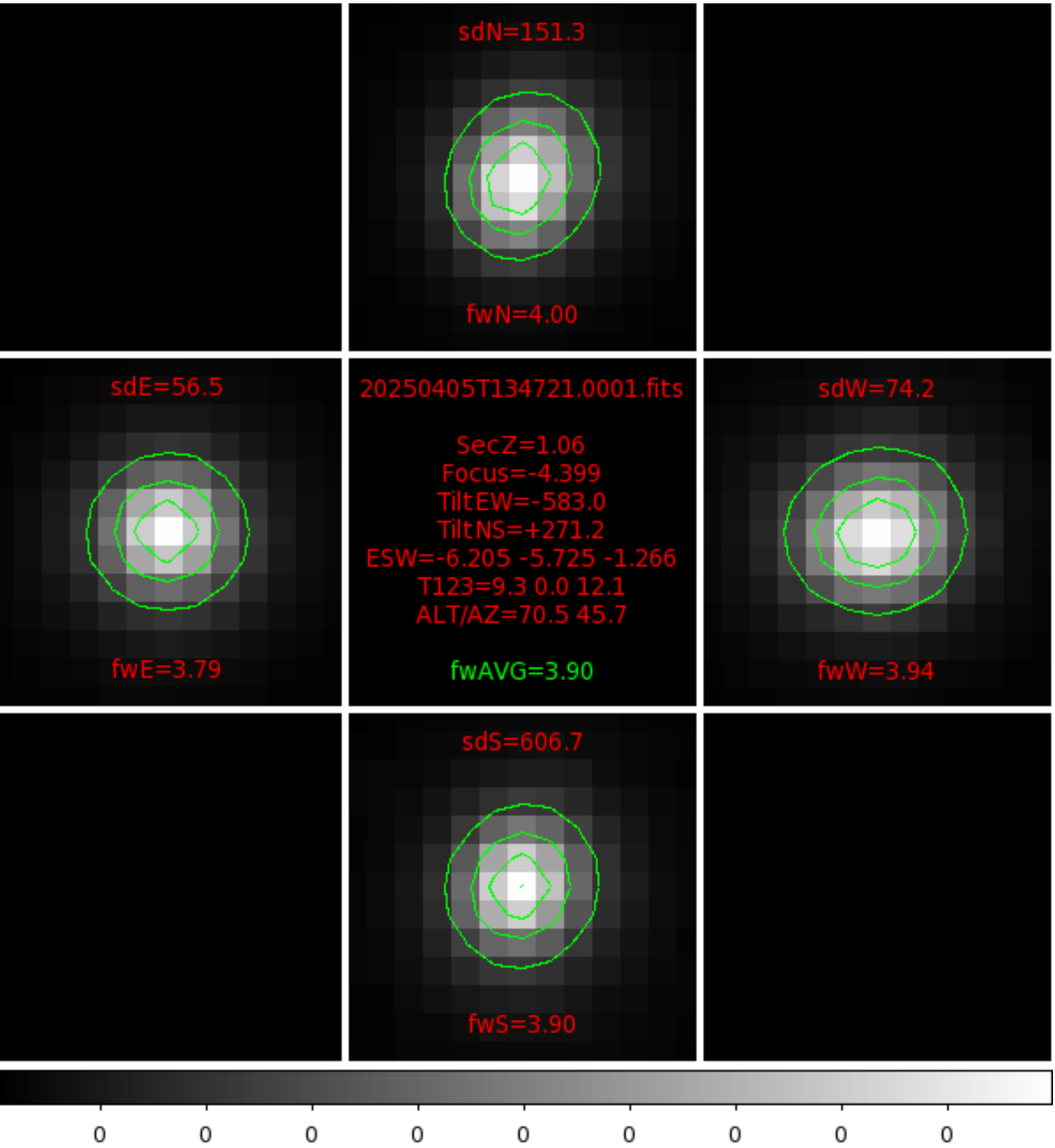
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SecZ=1.06
Focus=-4.399
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 0.0 12.1
ALT/AZ=70.5 45.7
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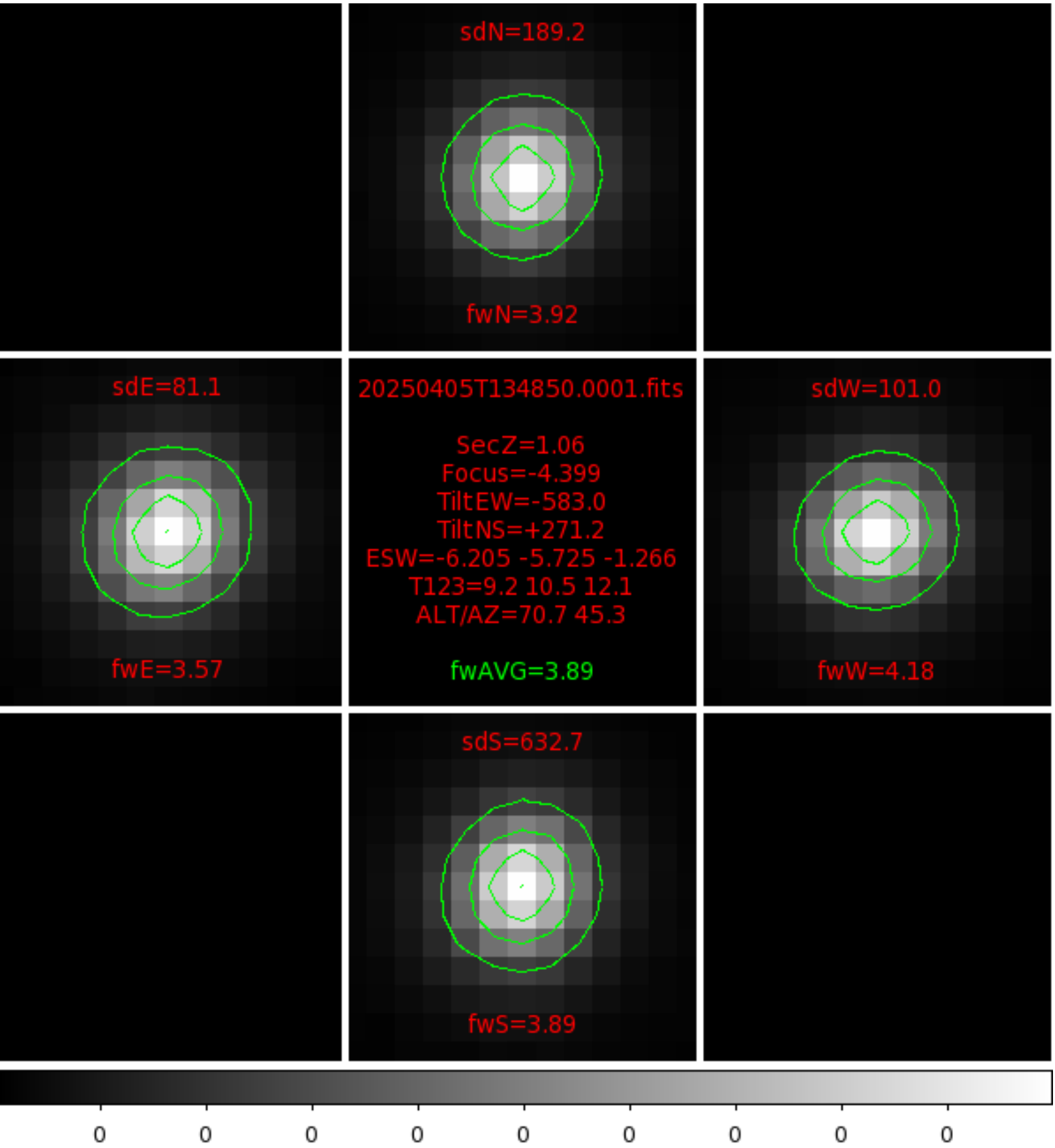
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SecZ=1.06
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TiltNS=+271.2
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T123=9.2 10.5 12.1
ALT/AZ=70.7 45.3
fwAVG=3.89
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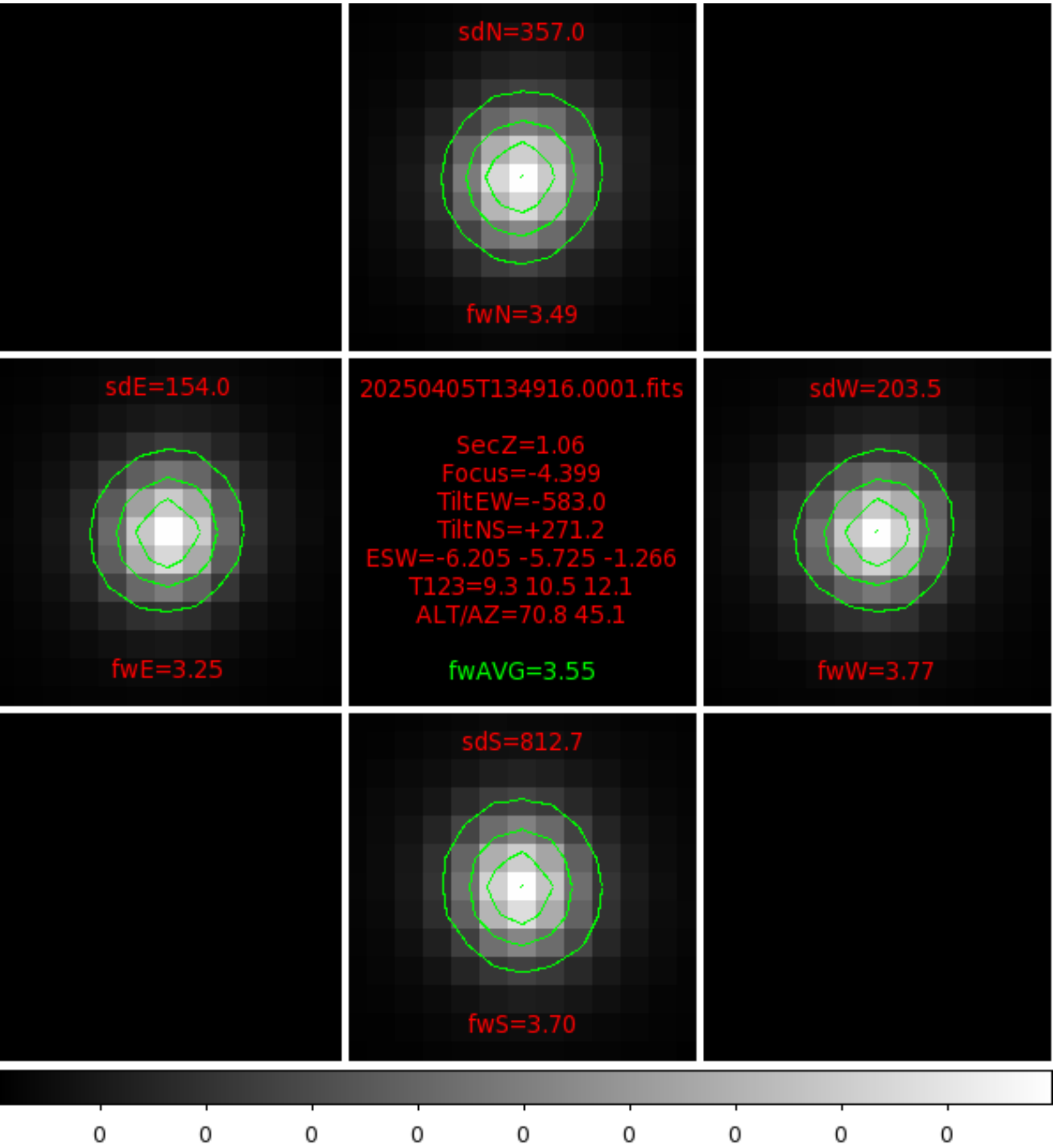
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SecZ=1.06
Focus=-4.399
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 10.5 12.1
ALT/AZ=70.8 45.1
fwAVG=3.55
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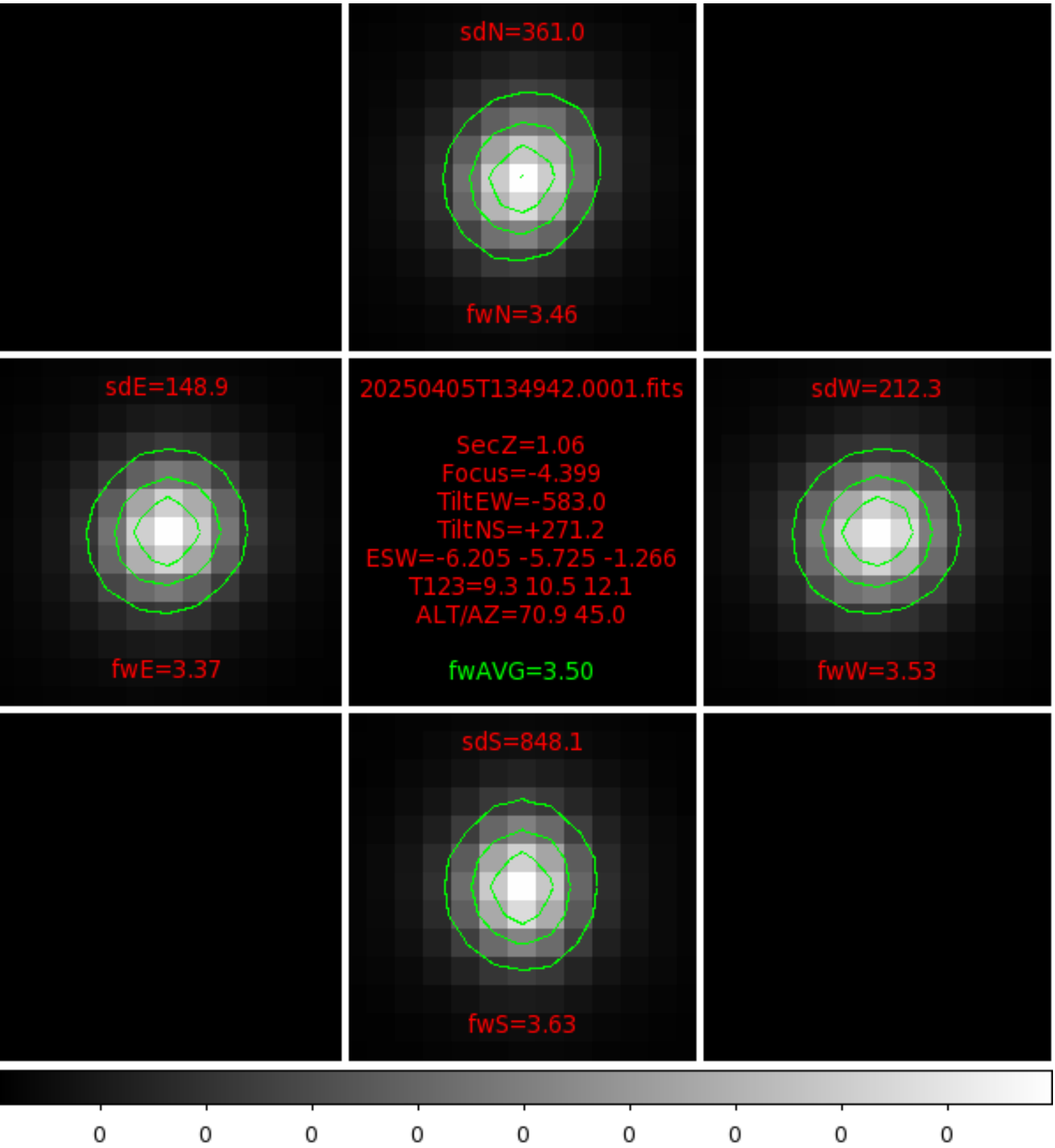
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SecZ=1.06
Focus=-4.399
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 10.5 12.1
ALT/AZ=70.9 45.0
fwAVG=3.50
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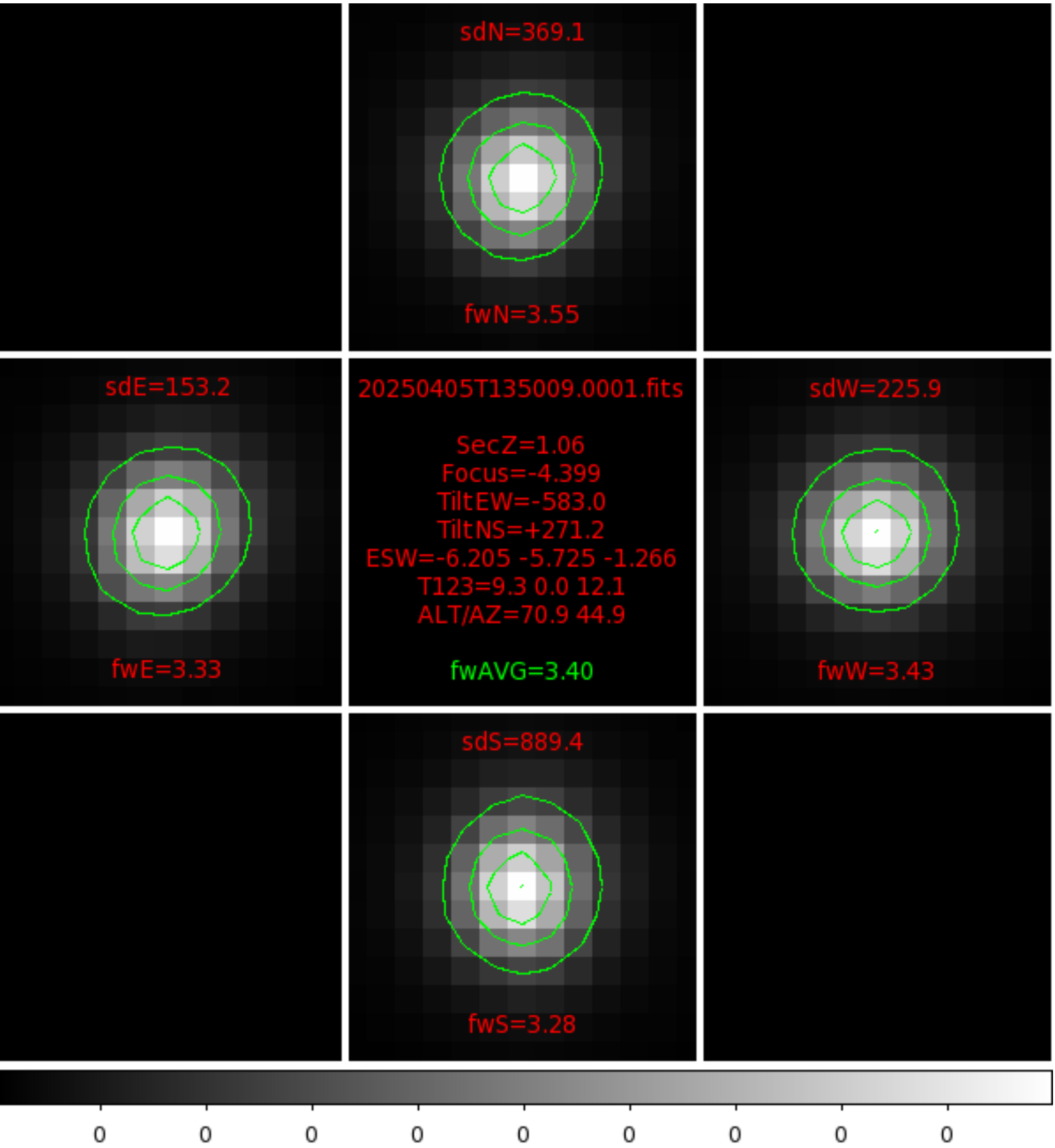
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SecZ=1.06
Focus=-4.399
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.205 -5.725 -1.266
T123=9.3 0.0 12.1
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fwAVG=3.40
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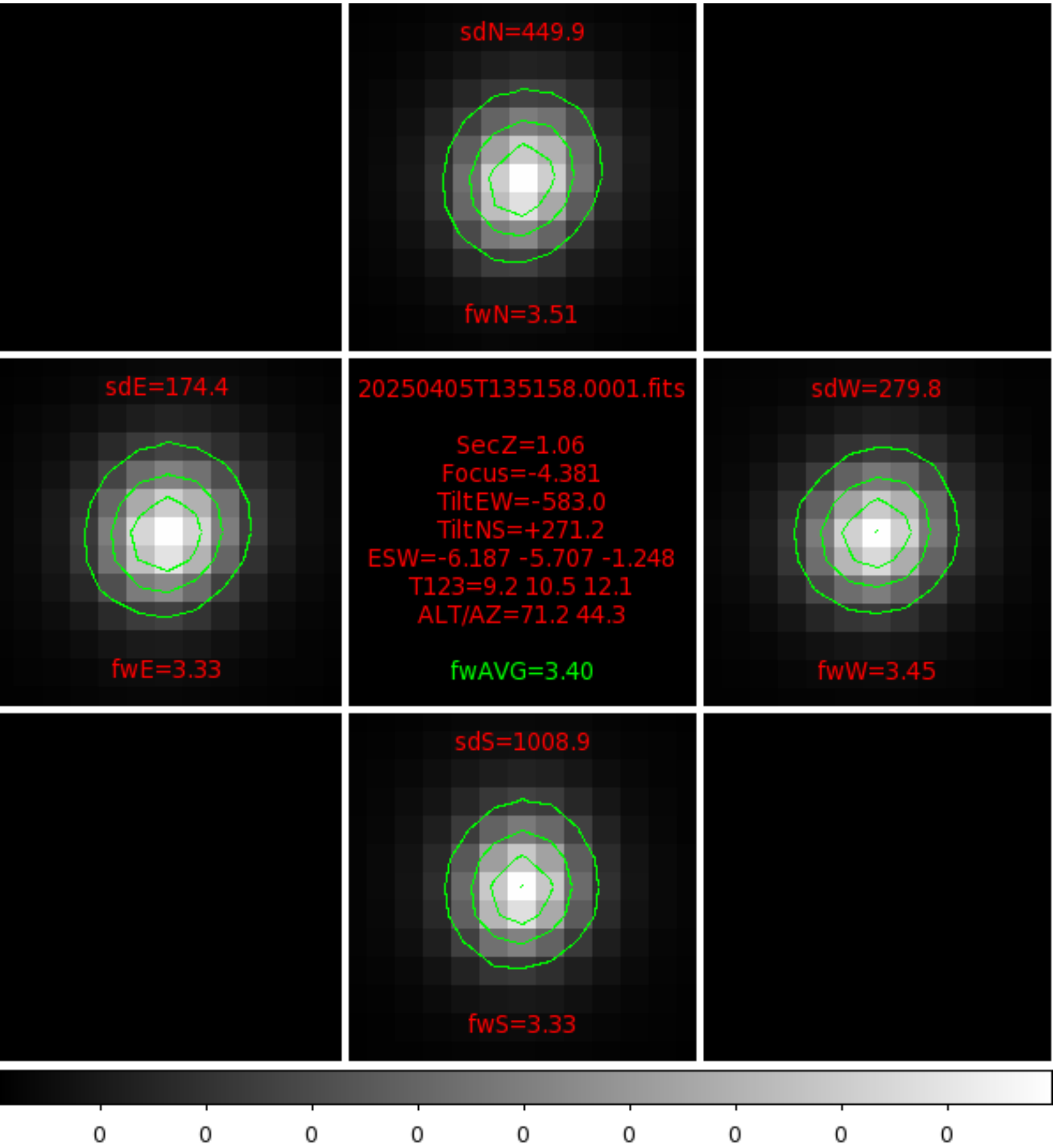
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.187 -5.707 -1.248
T123=9.2 10.5 12.1
ALT/AZ=71.2 44.3
fwAVG=3.40
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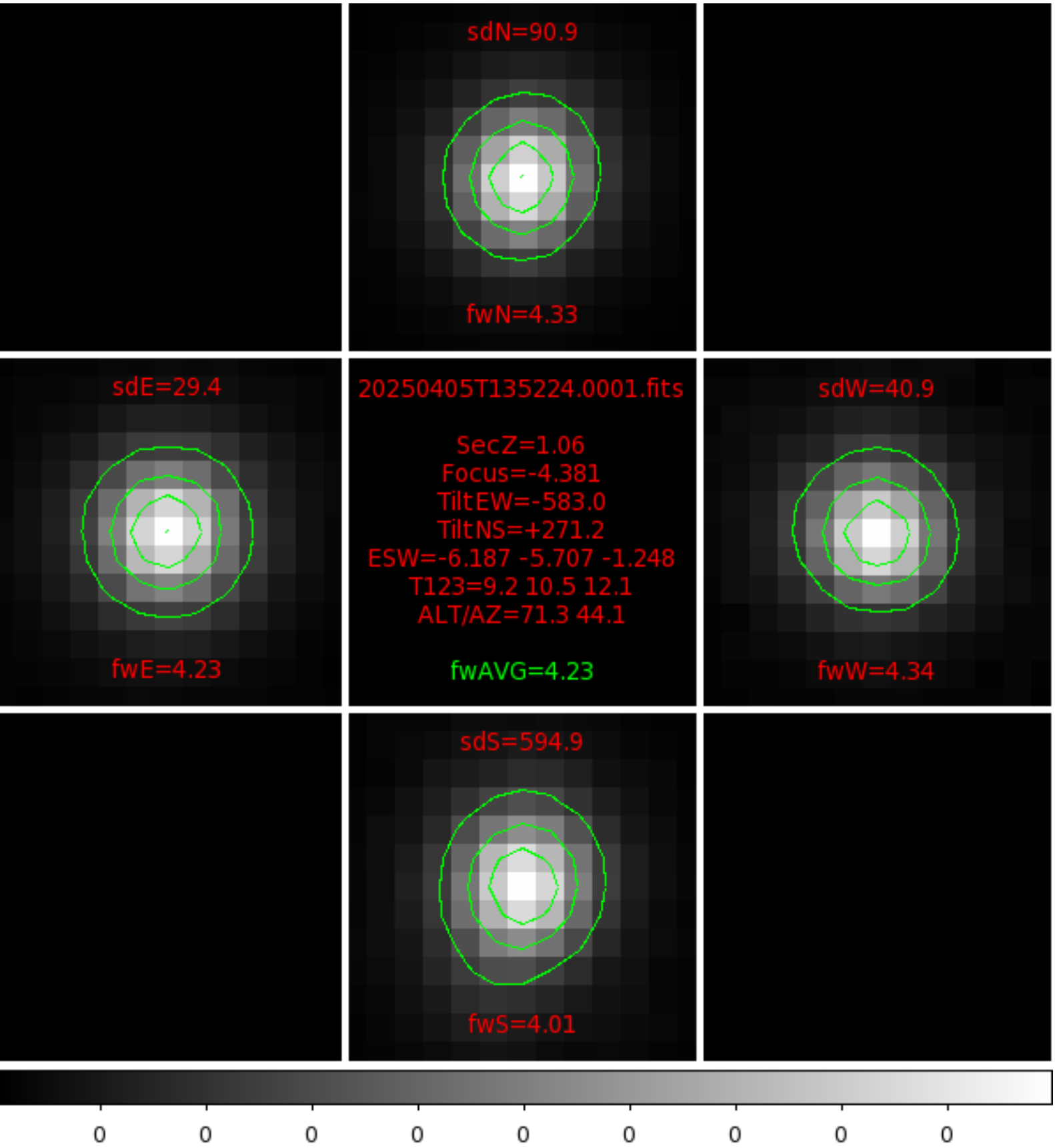
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SecZ=1.06
Focus=-4.381
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.187 -5.707 -1.248
T123=9.2 10.5 12.1
ALT/AZ=71.3 44.1
fwAVG=4.23
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sdS=594.9
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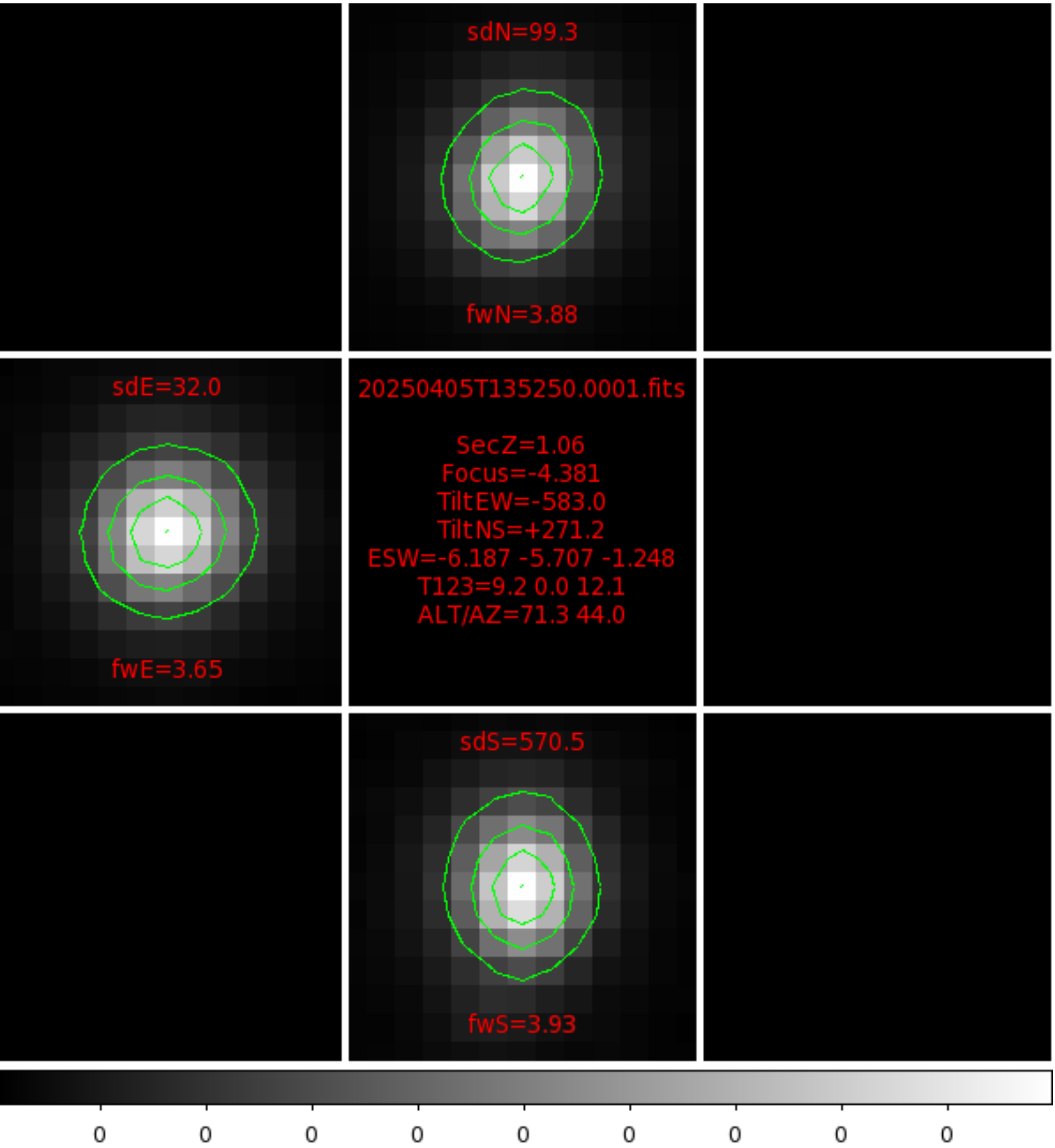
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SecZ=1.06
Focus=-4.381
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.187 -5.707 -1.248
T123=9.2 0.0 12.1
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sdS=570.5
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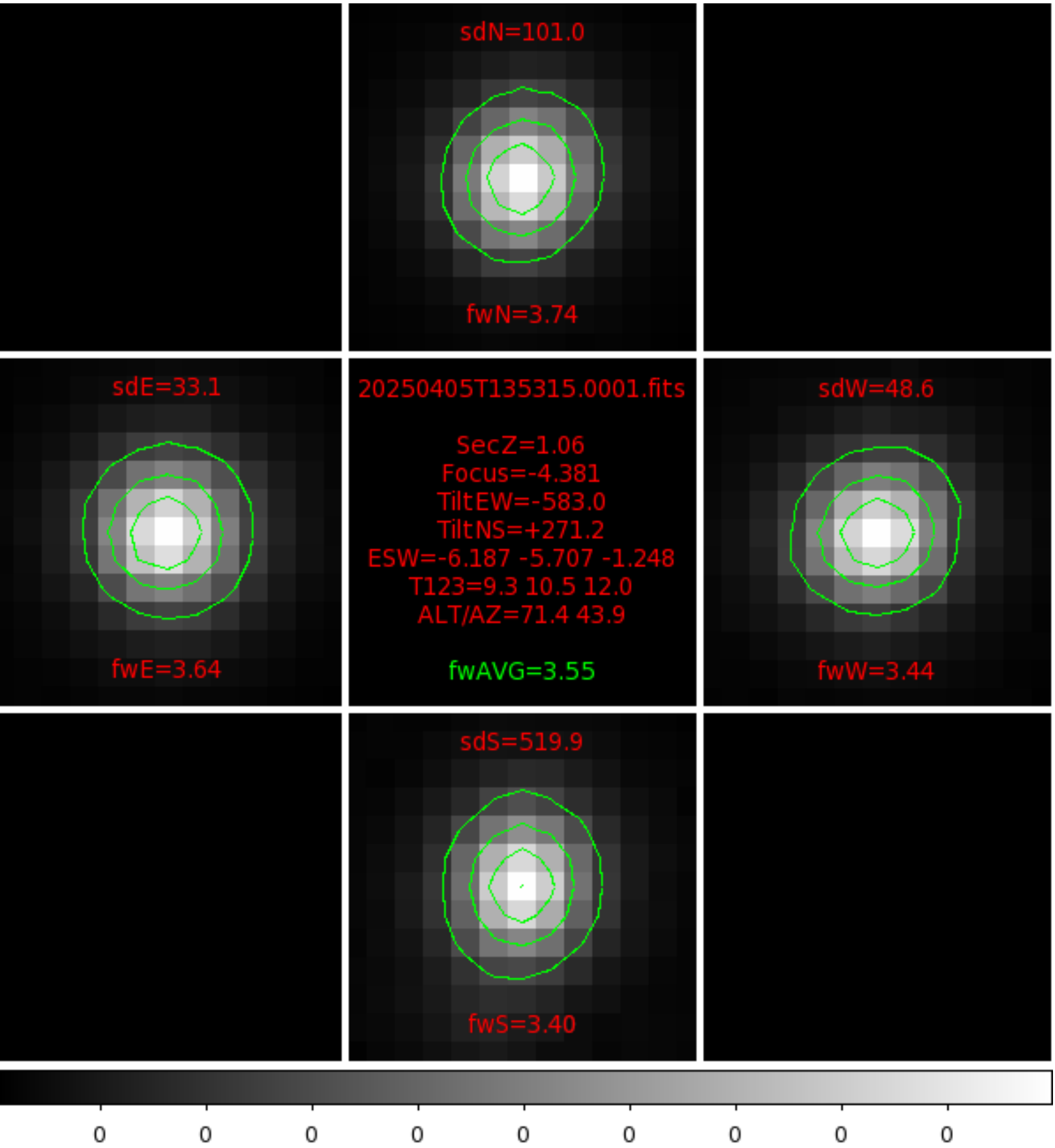
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Focus=-4.381
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.187 -5.707 -1.248
T123=9.3 10.5 12.0
ALT/AZ=71.4 43.9
fwAVG=3.55
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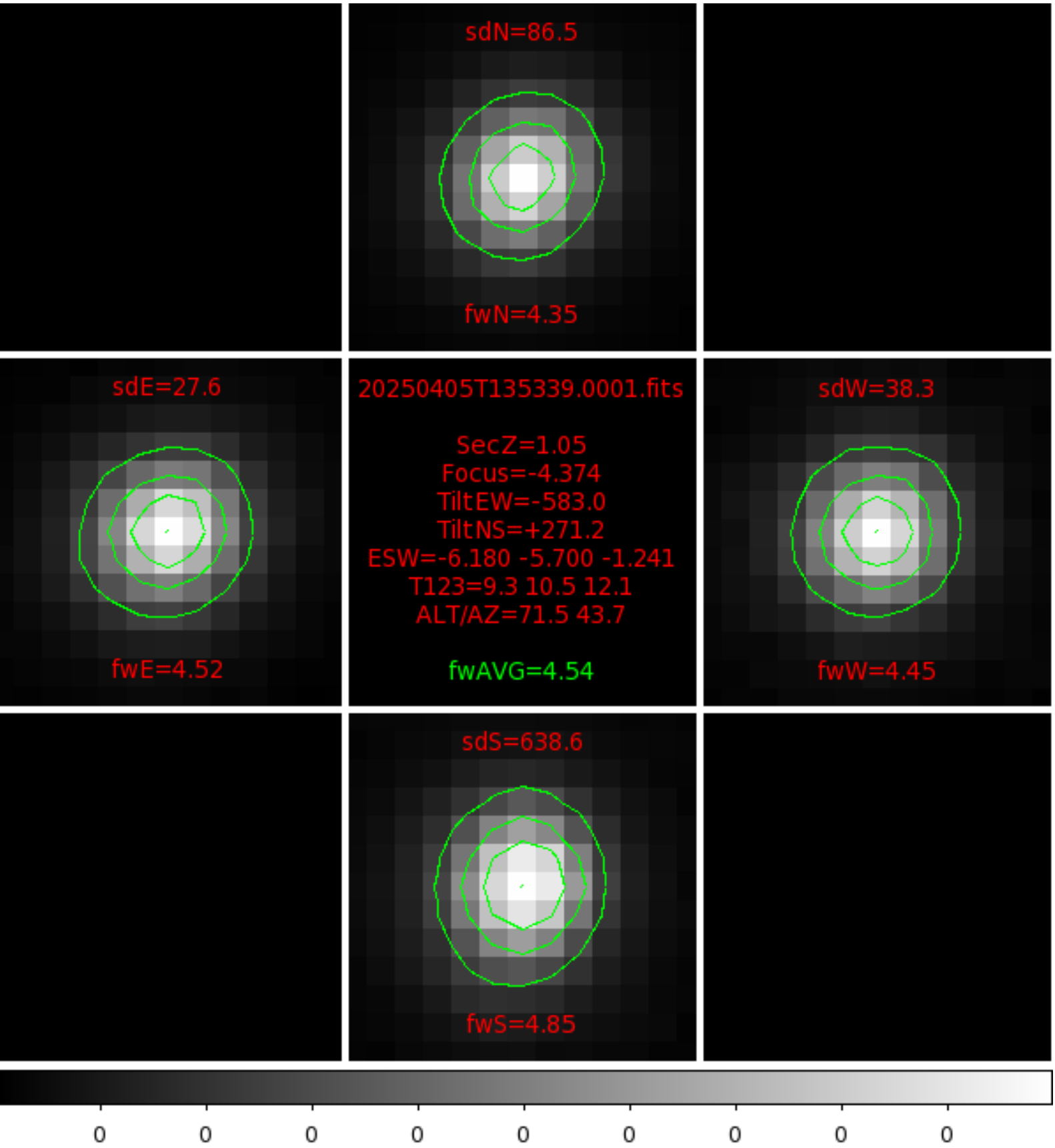
sdN=86.5
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sdE=27.6
fwE=4.52
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SecZ=1.05
Focus=-4.374
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.180 -5.700 -1.241
T123=9.3 10.5 12.1
ALT/AZ=71.5 43.7
fwAVG=4.54
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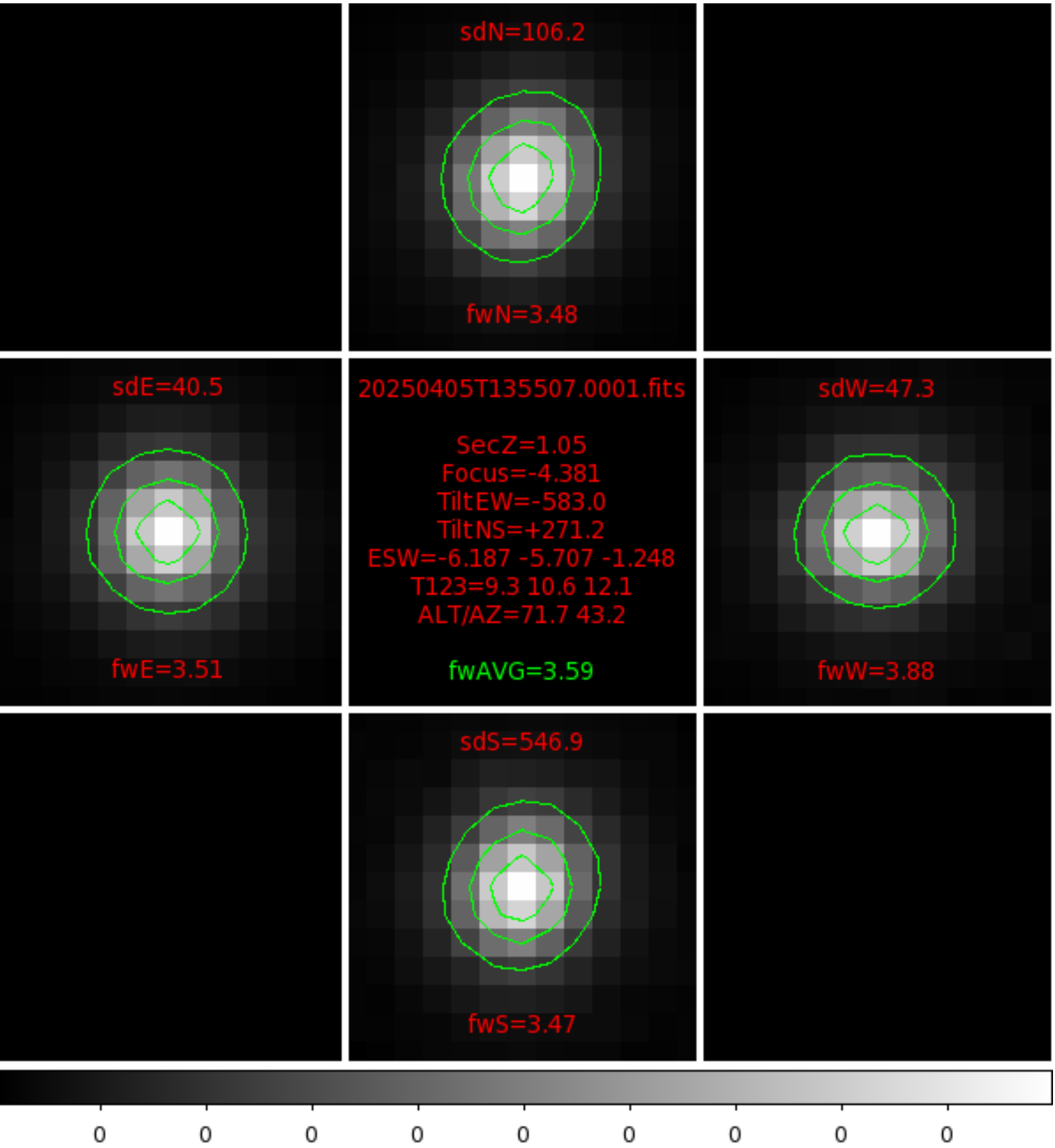
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sdE=40.5
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20250405T135507.0001.fits
SecZ=1.05
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TiltNS=+271.2
ESW=-6.187 -5.707 -1.248
T123=9.3 10.6 12.1
ALT/AZ=71.7 43.2
fwAVG=3.59
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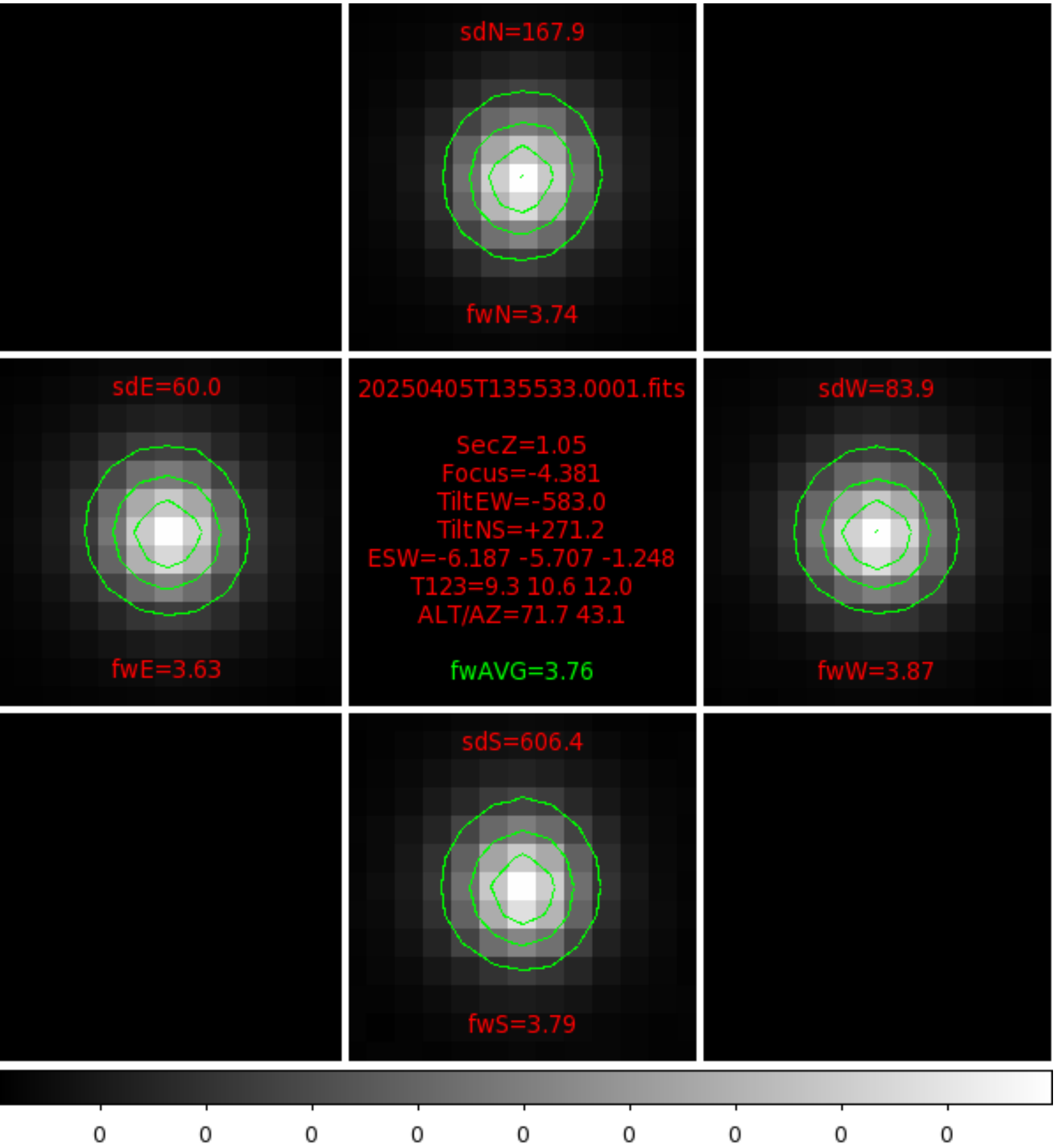
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SecZ=1.05
Focus=-4.381
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.187 -5.707 -1.248
T123=9.3 10.6 12.0
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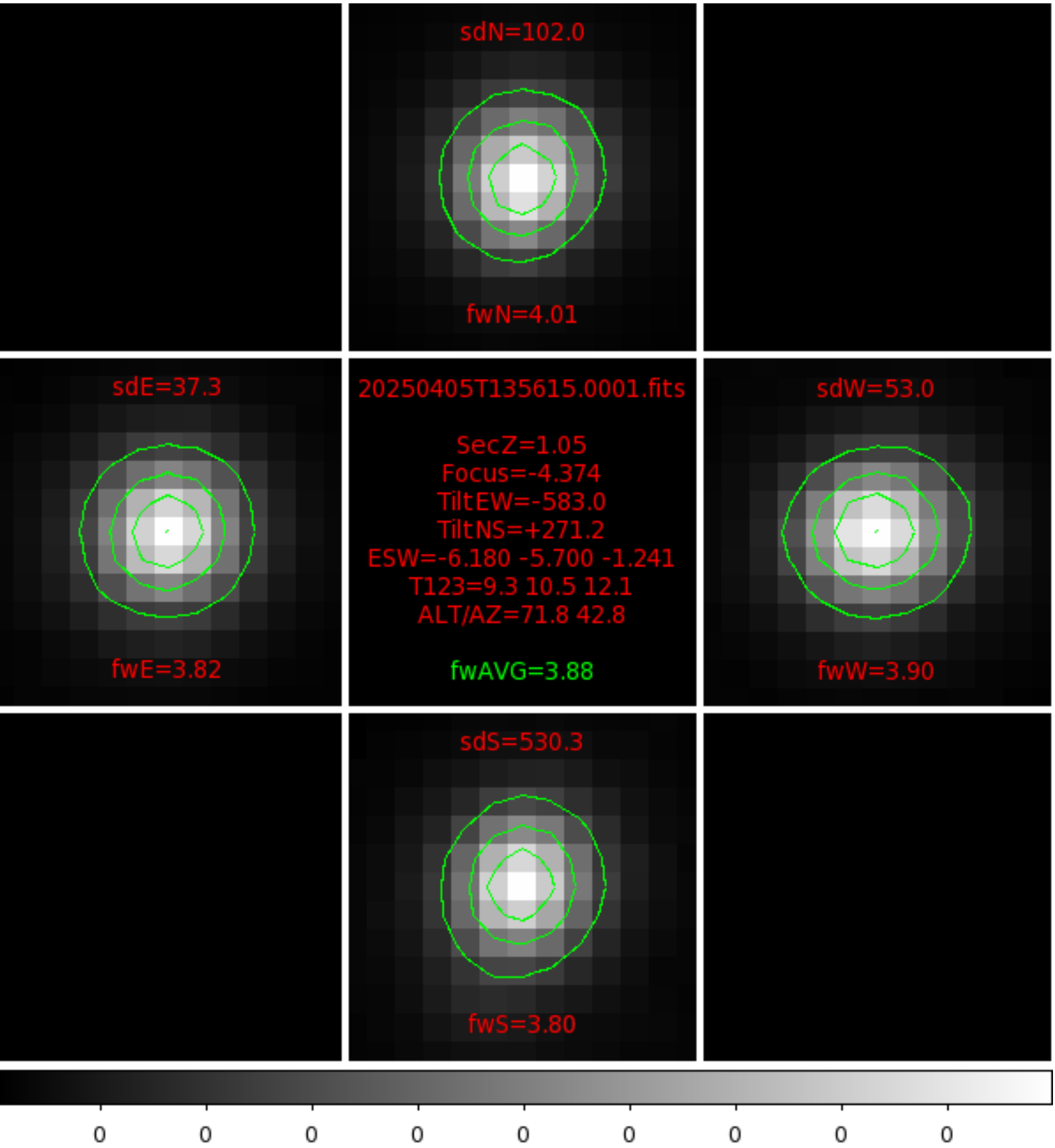
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Focus=-4.374
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.180 -5.700 -1.241
T123=9.3 10.5 12.1
ALT/AZ=71.8 42.8
fwAVG=3.88
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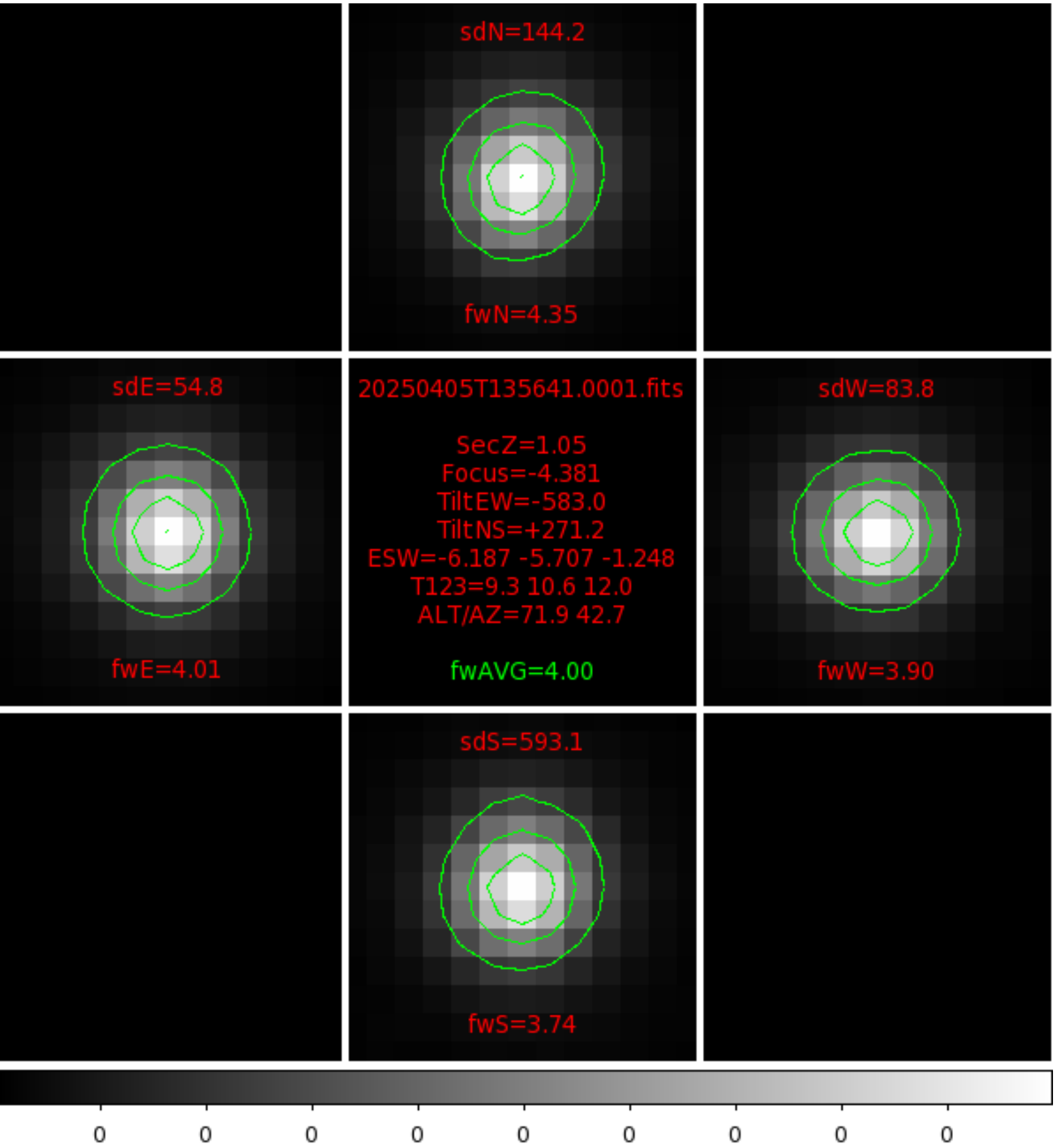
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20250405T135641.0001.fits
SecZ=1.05
Focus=-4.381
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.187 -5.707 -1.248
T123=9.3 10.6 12.0
ALT/AZ=71.9 42.7
fwAVG=4.00
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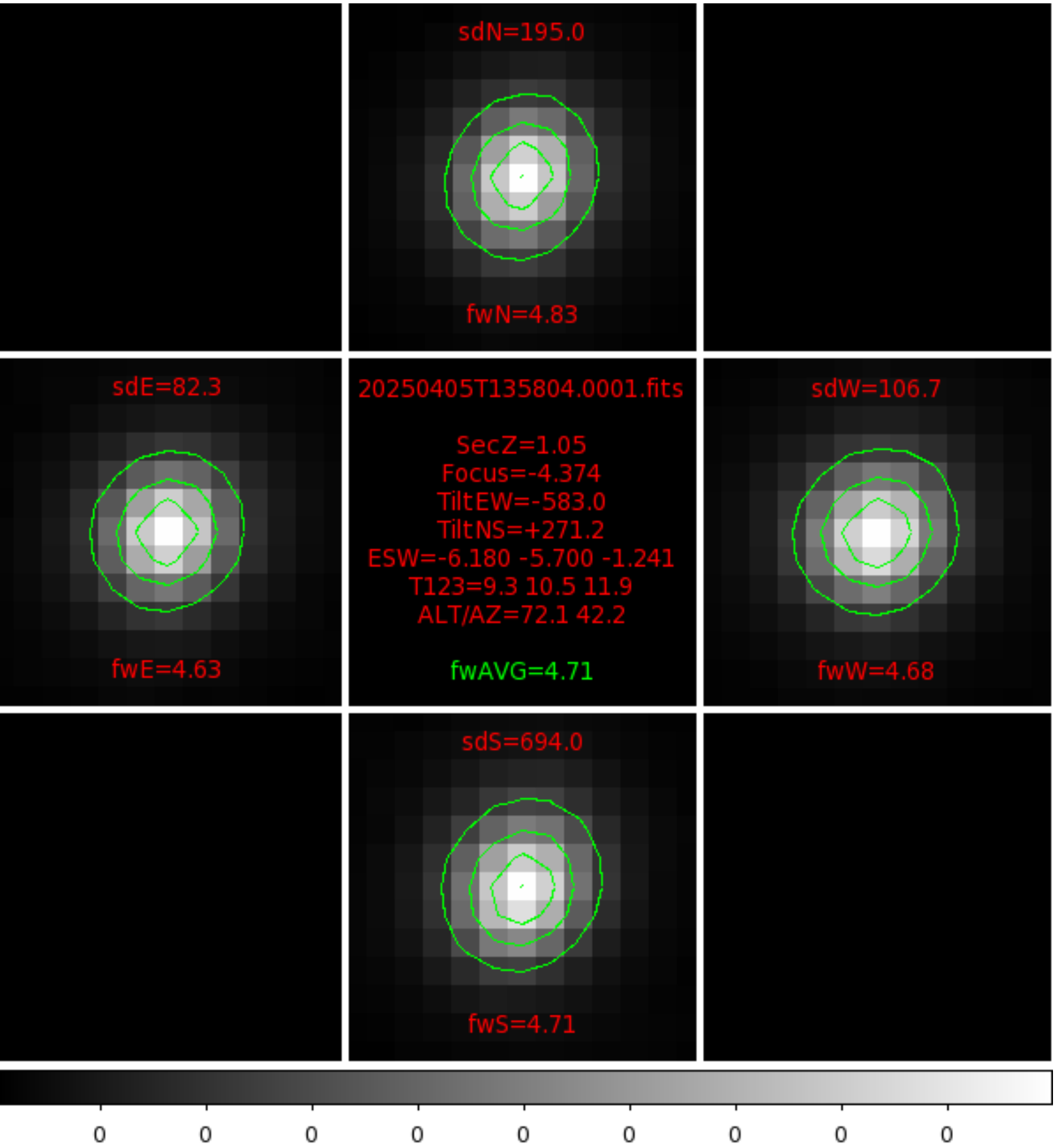
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20250405T135804.0001.fits
SecZ=1.05
Focus=-4.374
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.180 -5.700 -1.241
T123=9.3 10.5 11.9
ALT/AZ=72.1 42.2
fwAVG=4.71
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sdS=694.0
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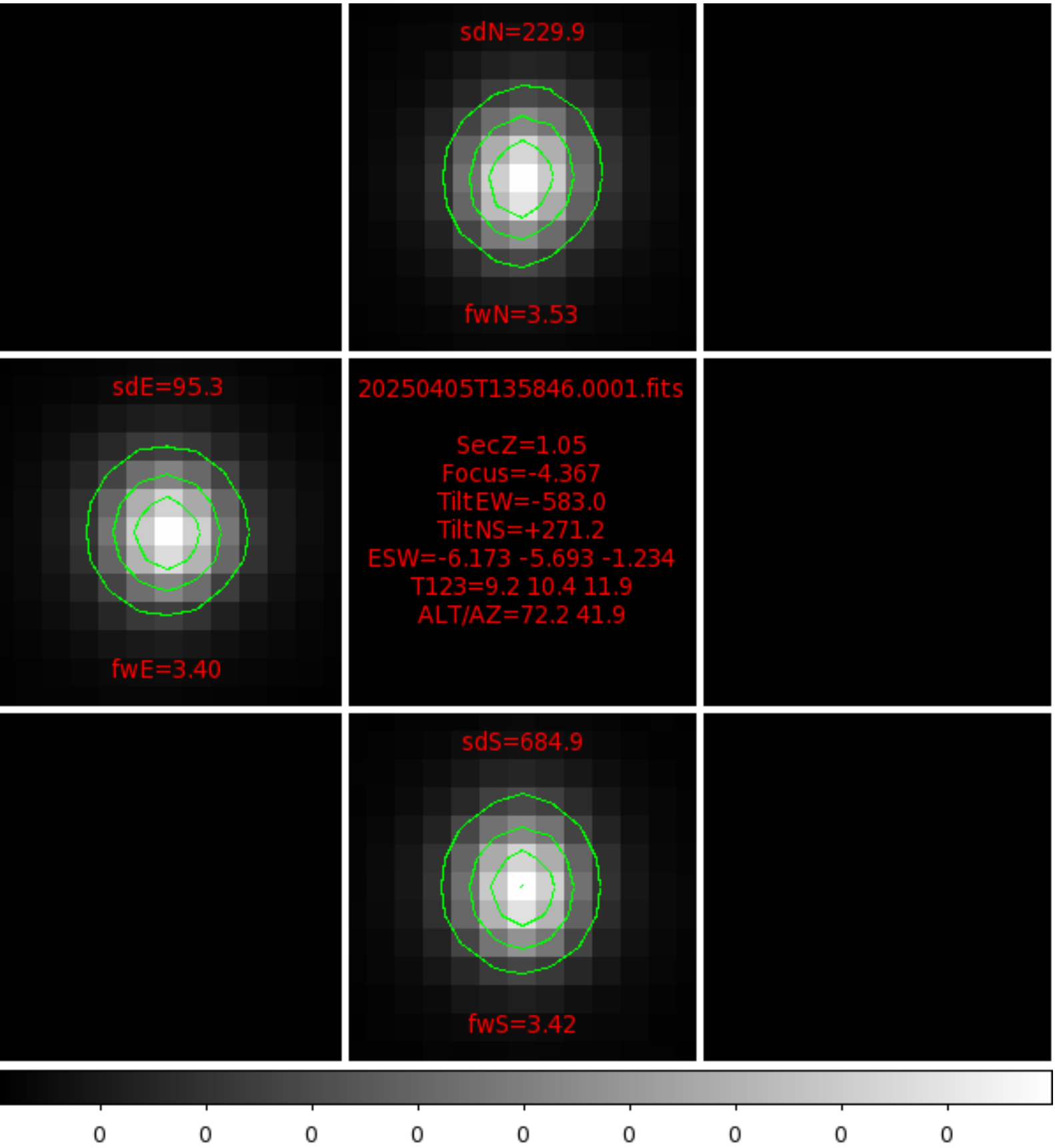
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fwN=3.53
sdE=95.3
fwE=3.40
20250405T135846.0001.fits
SecZ=1.05
Focus=-4.367
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.173 -5.693 -1.234
T123=9.2 10.4 11.9
ALT/AZ=72.2 41.9
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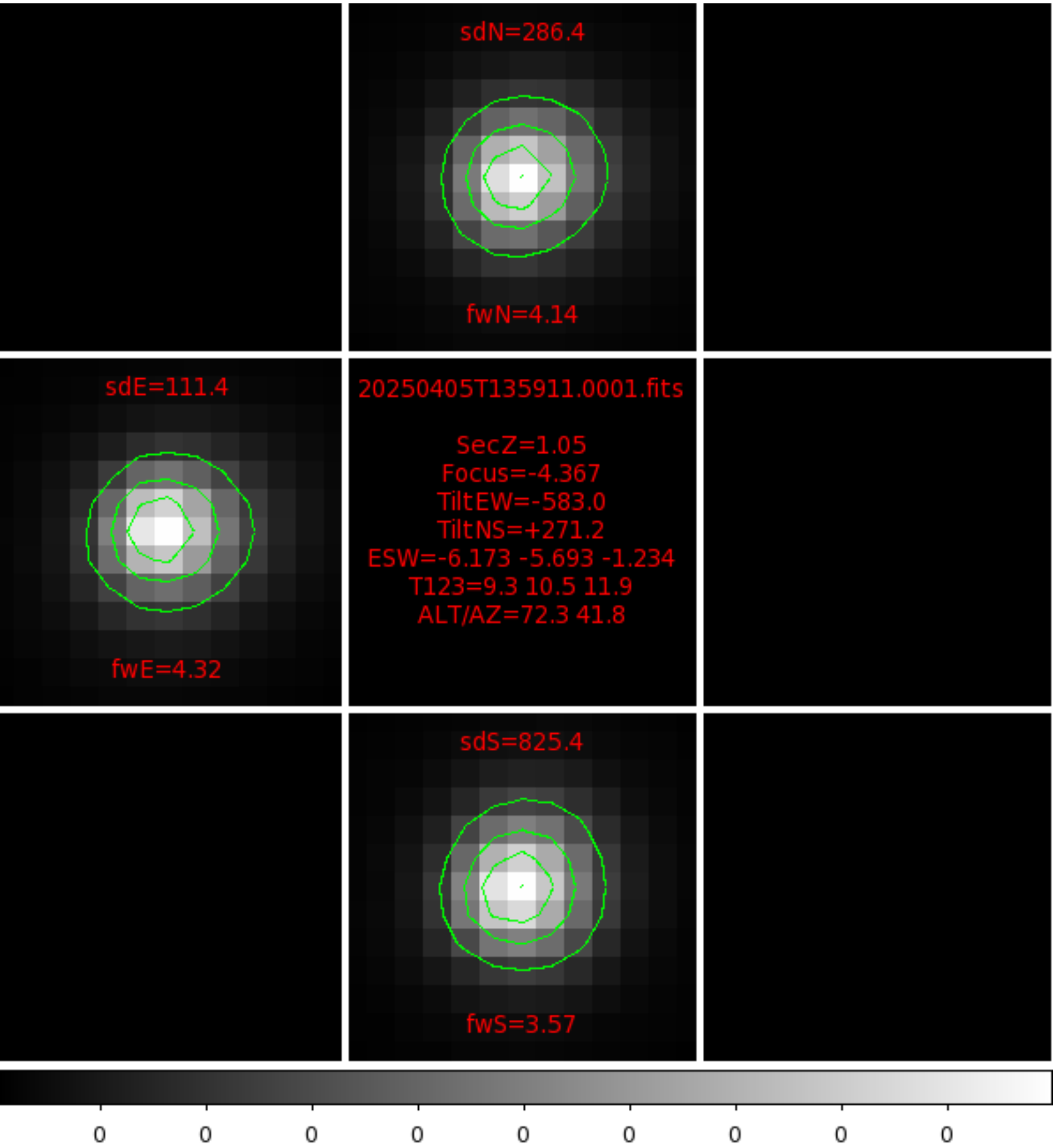
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SecZ=1.05
Focus=-4.367
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.173 -5.693 -1.234
T123=9.3 10.5 11.9
ALT/AZ=72.3 41.8
sdS=825.4
fwS=3.57
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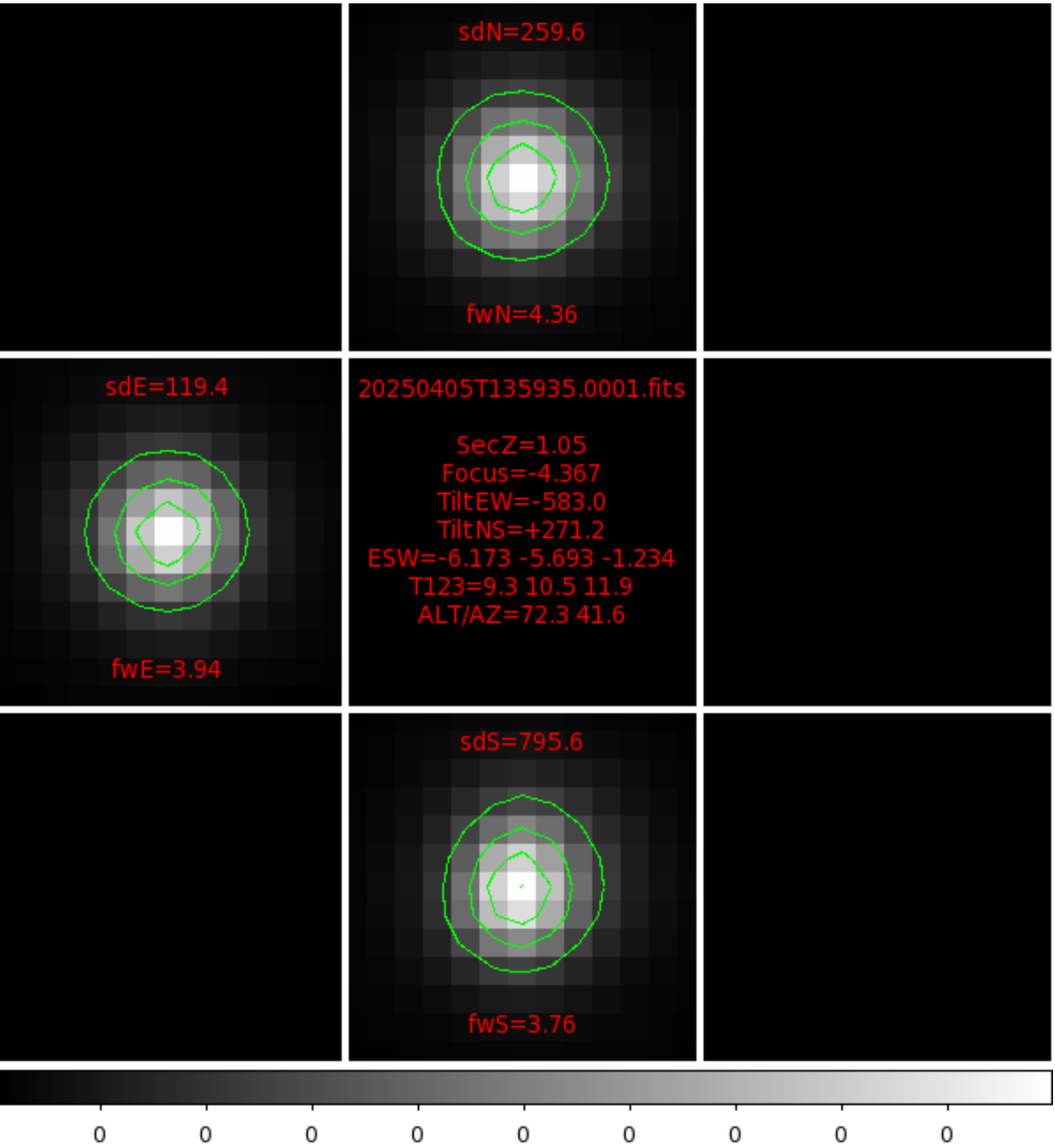
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ESW=-6.173 -5.693 -1.234
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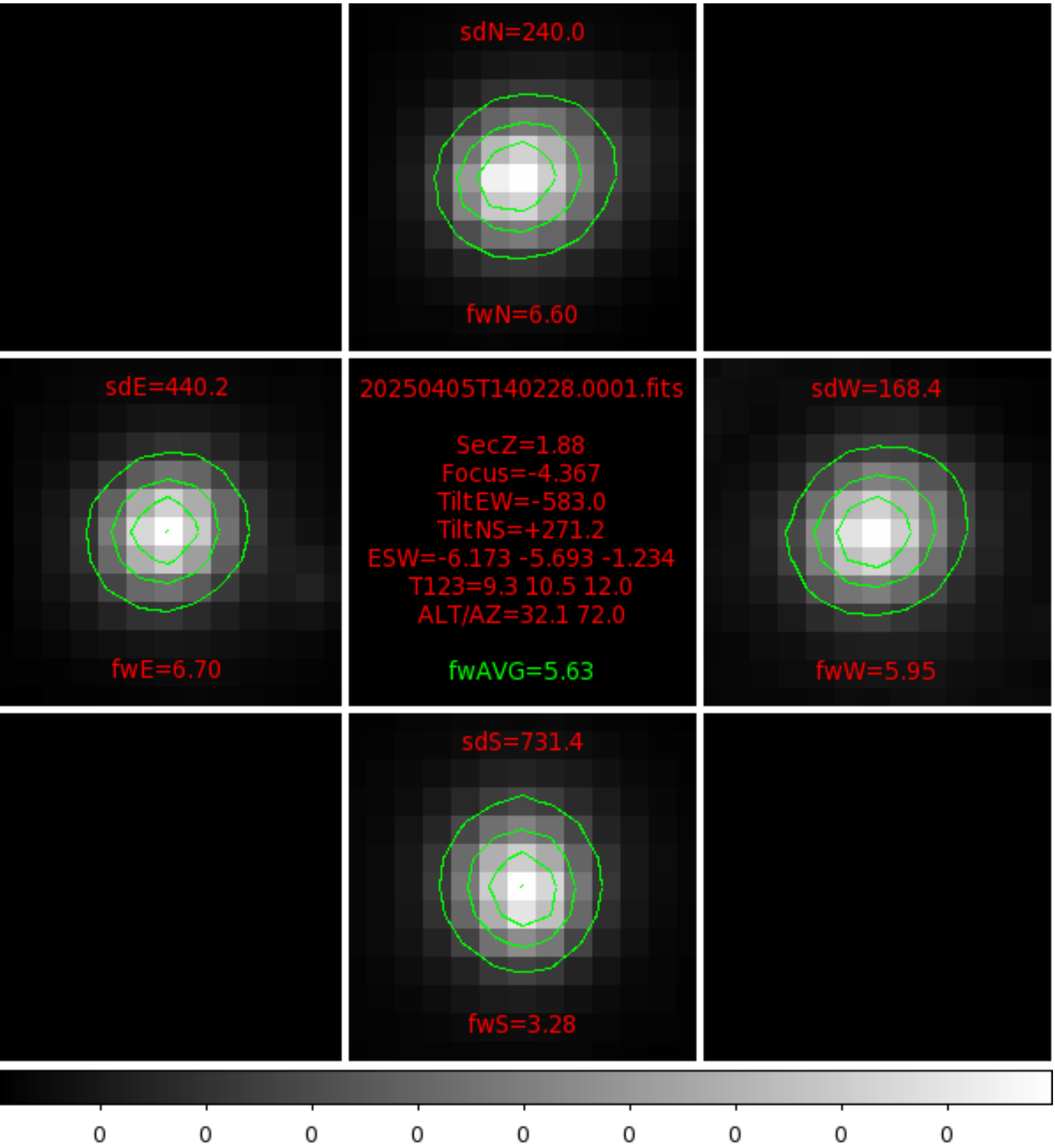
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T123=9.3 10.5 12.0
ALT/AZ=32.1 72.0
fwAVG=5.63
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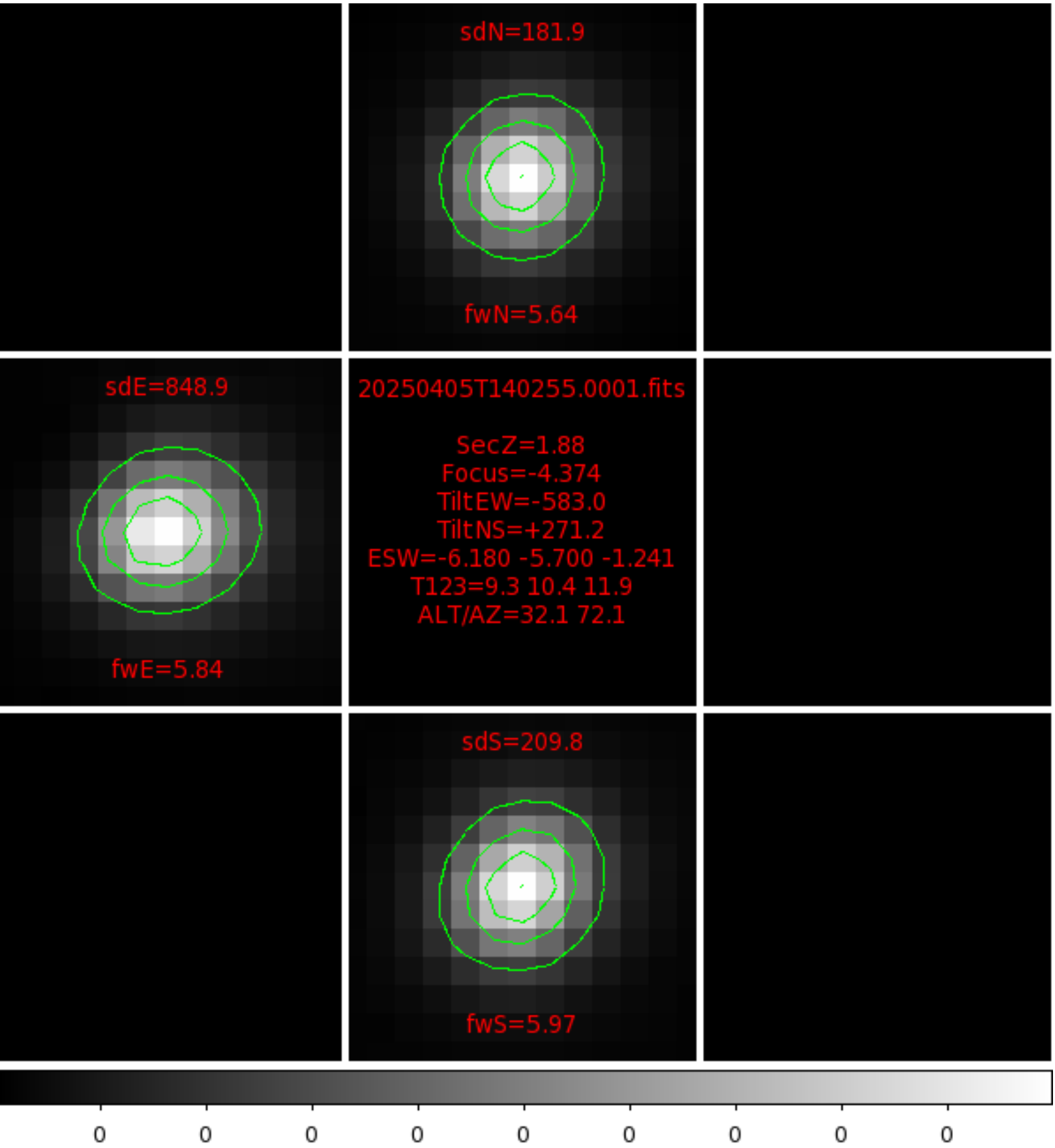
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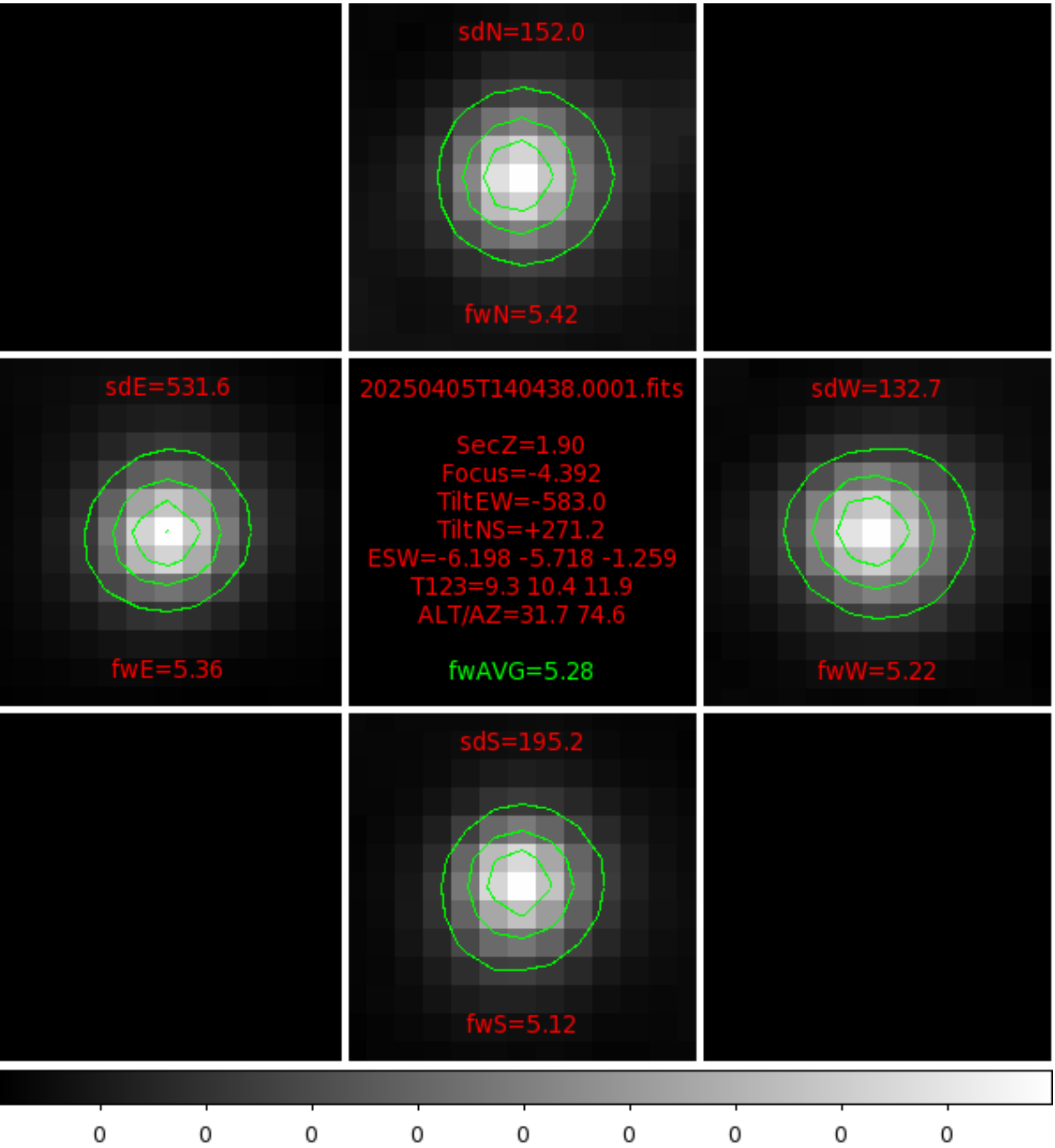
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TiltEW=-583.0
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ESW=-6.198 -5.718 -1.259
T123=9.3 10.4 11.9
ALT/AZ=31.7 74.6
fwAVG=5.28
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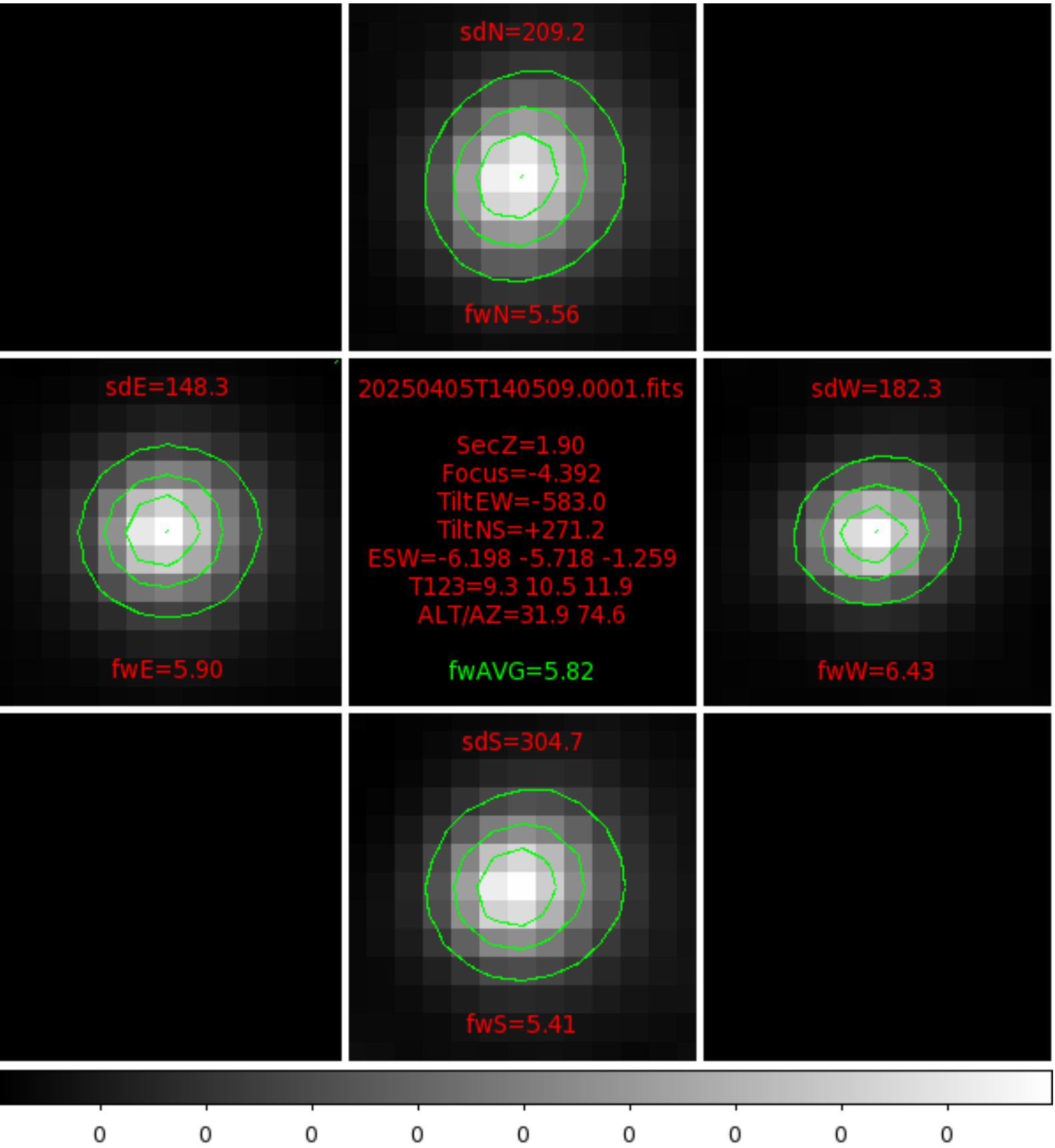
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SecZ=1.90
Focus=-4.392
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TiltNS=+271.2
ESW=-6.198 -5.718 -1.259
T123=9.3 10.5 11.9
ALT/AZ=31.9 74.6
fwAVG=5.82
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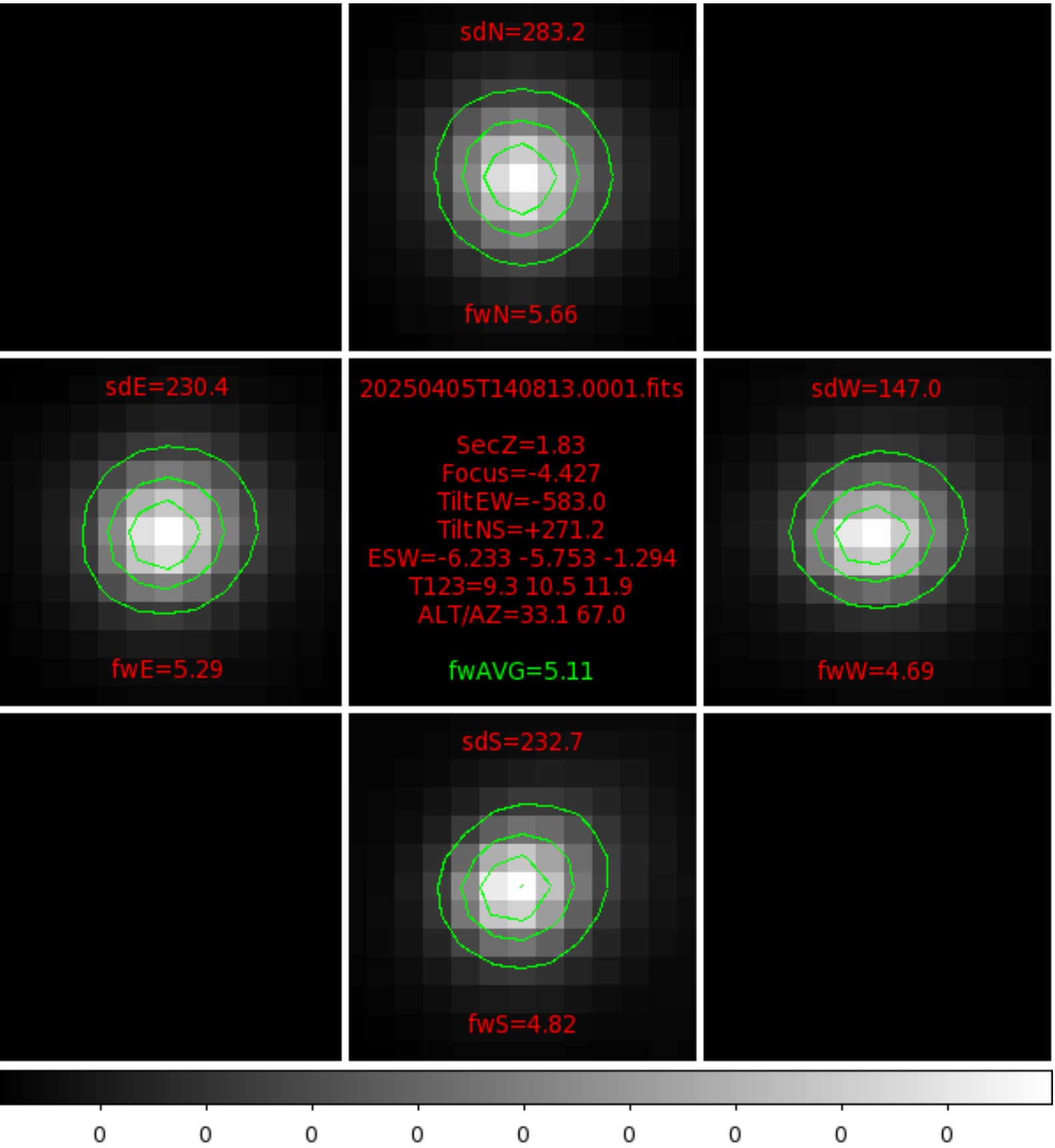
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Focus=-4.427
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.233 -5.753 -1.294
T123=9.3 10.5 11.9
ALT/AZ=33.1 67.0
fwAVG=5.11
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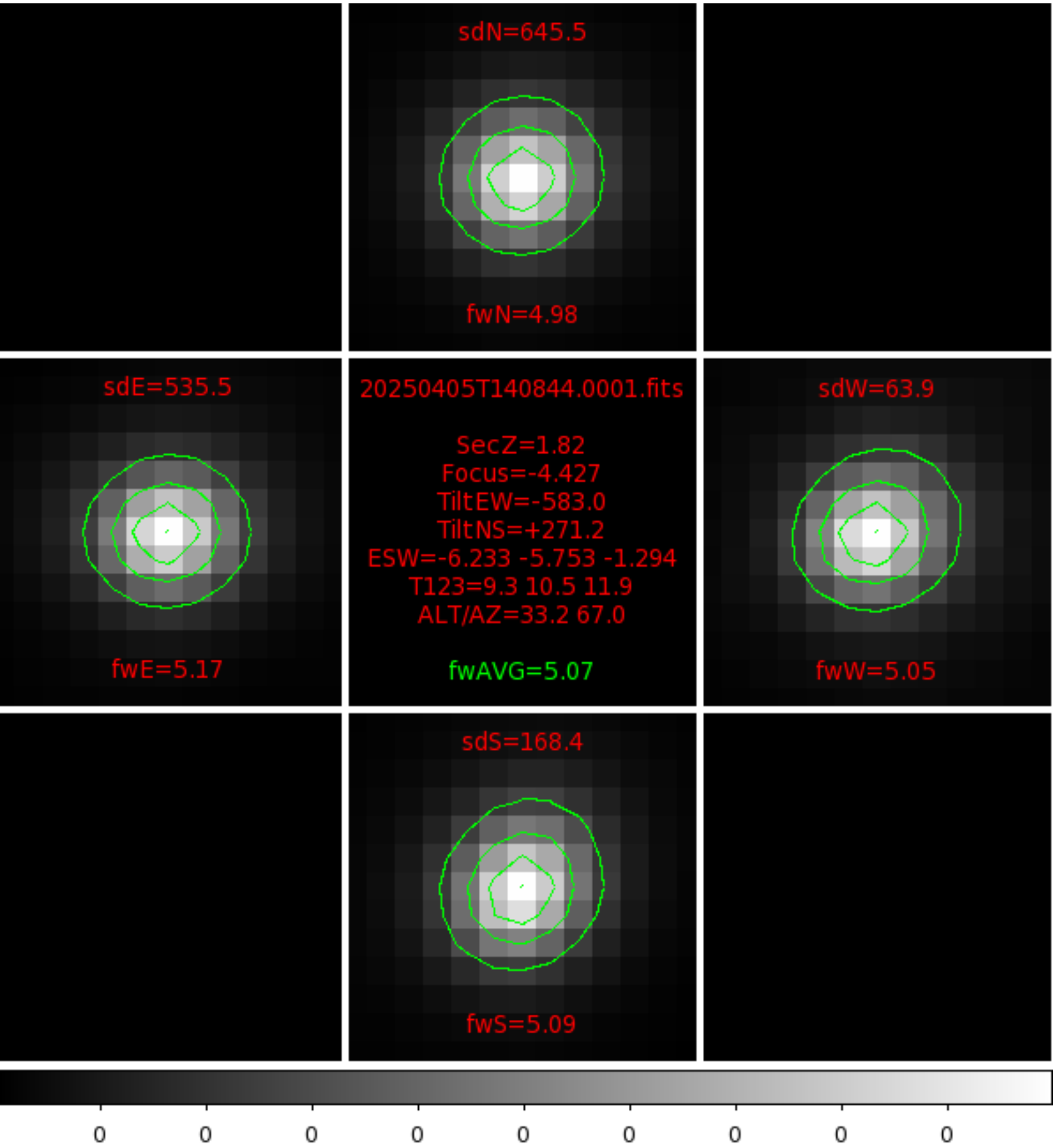
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TiltNS=+271.2
ESW=-6.233 -5.753 -1.294
T123=9.3 10.5 11.9
ALT/AZ=33.2 67.0
fwAVG=5.07
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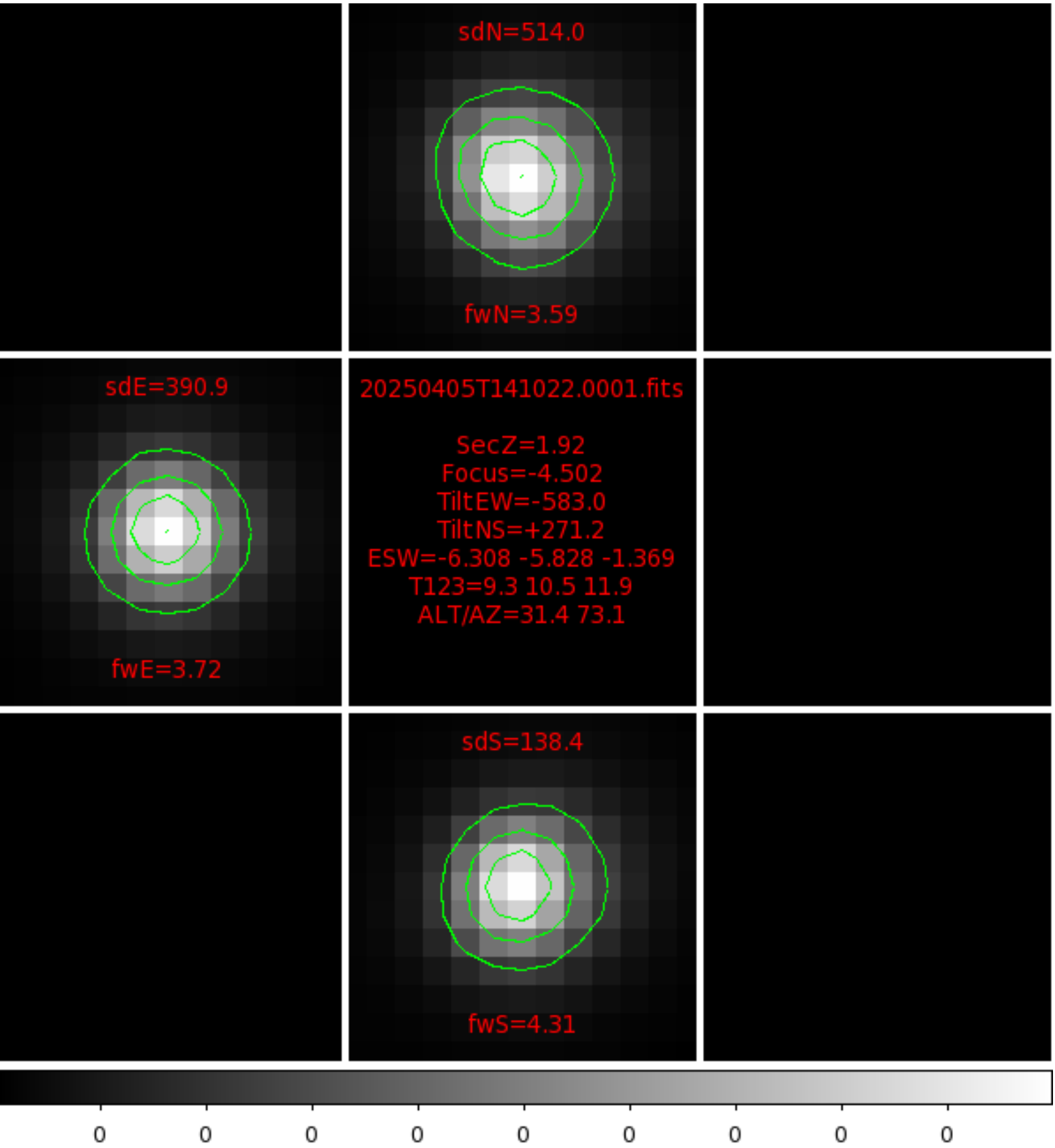
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.308 -5.828 -1.369
T123=9.3 10.5 11.9
ALT/AZ=31.4 73.1
sdS=138.4
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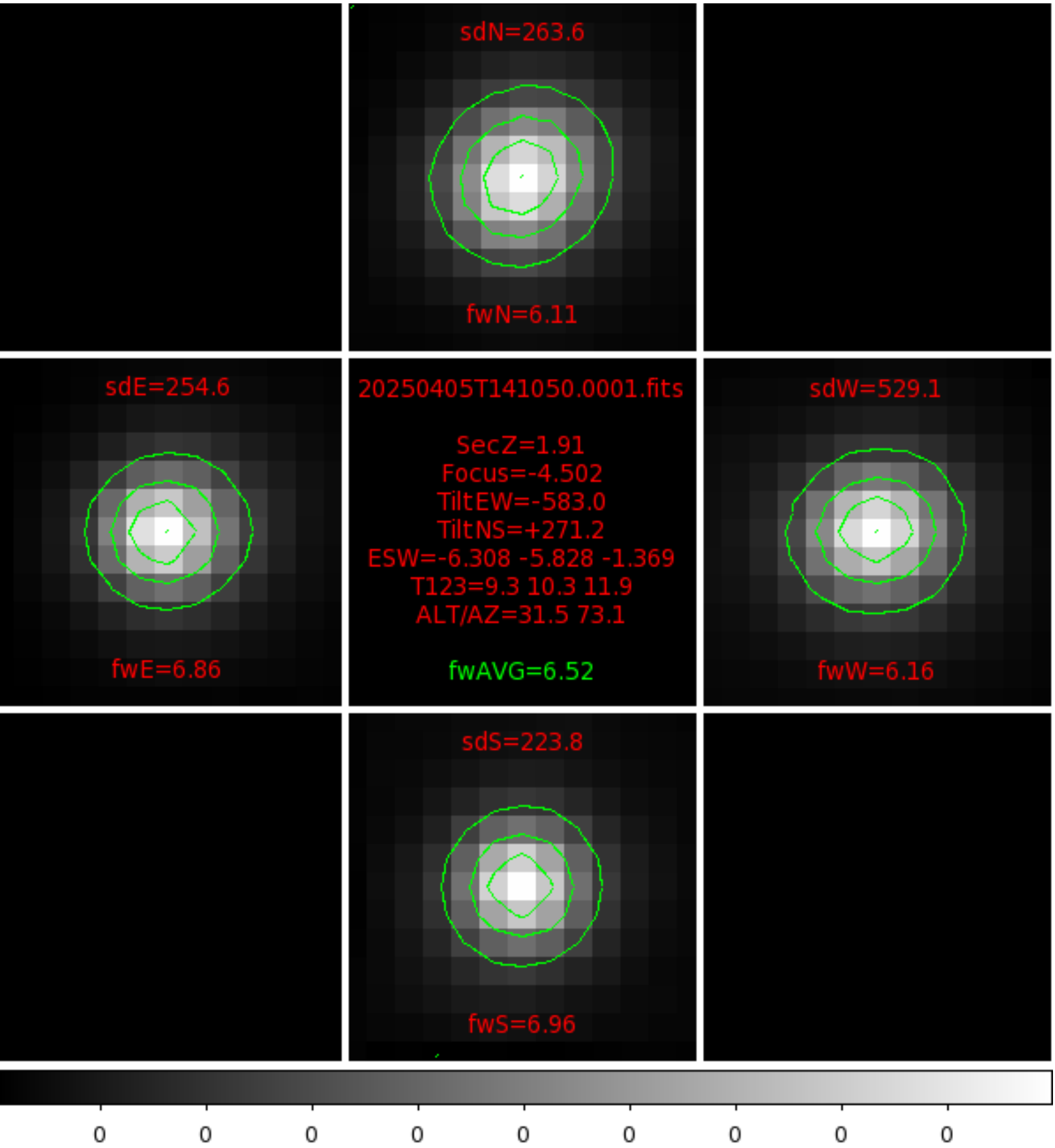
sdN=263.6
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sdE=254.6
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SecZ=1.91
Focus=-4.502
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.308 -5.828 -1.369
T123=9.3 10.3 11.9
ALT/AZ=31.5 73.1
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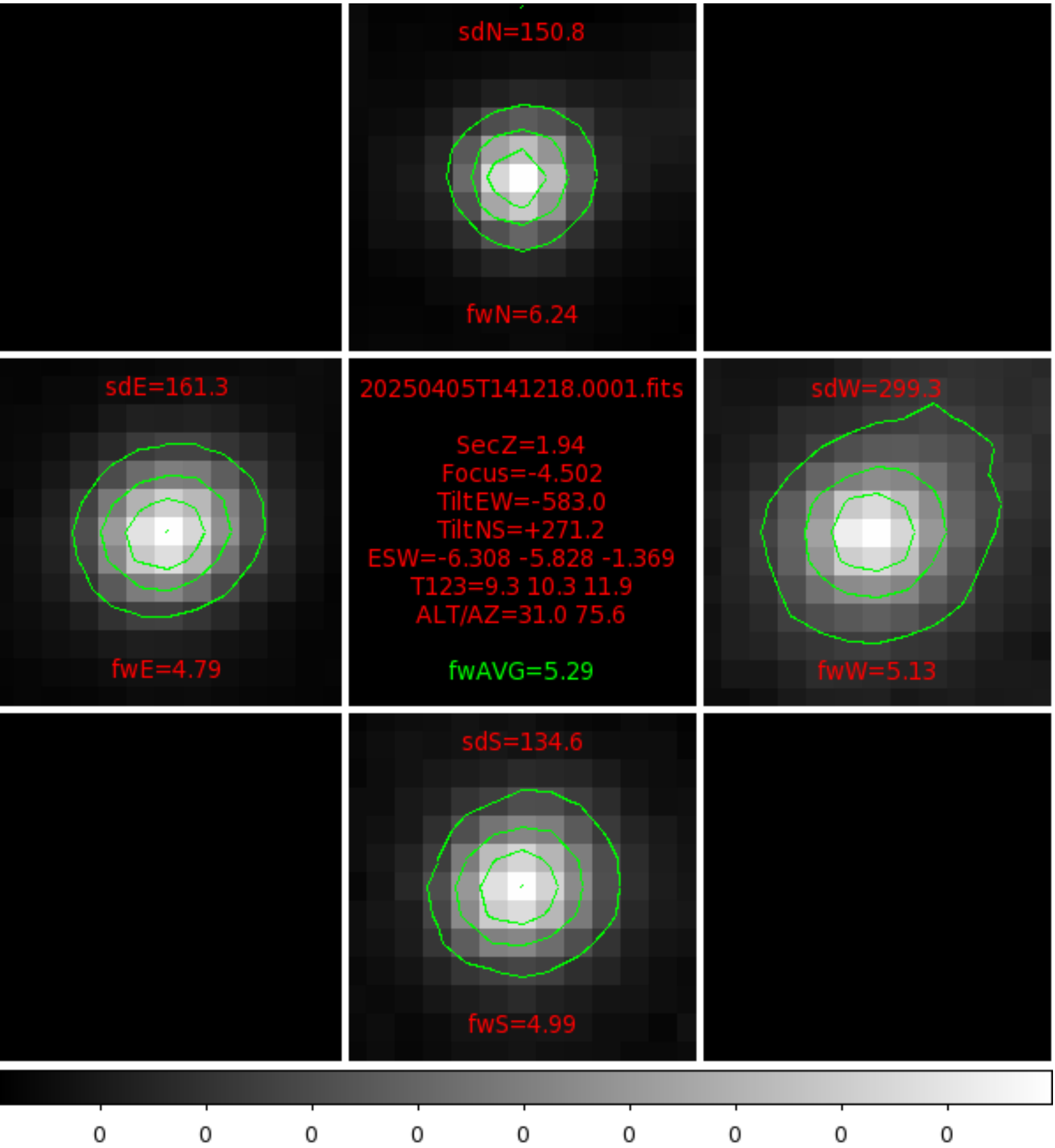
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SecZ=1.94
Focus=-4.502
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.308 -5.828 -1.369
T123=9.3 10.3 11.9
ALT/AZ=31.0 75.6
fwAVG=5.29
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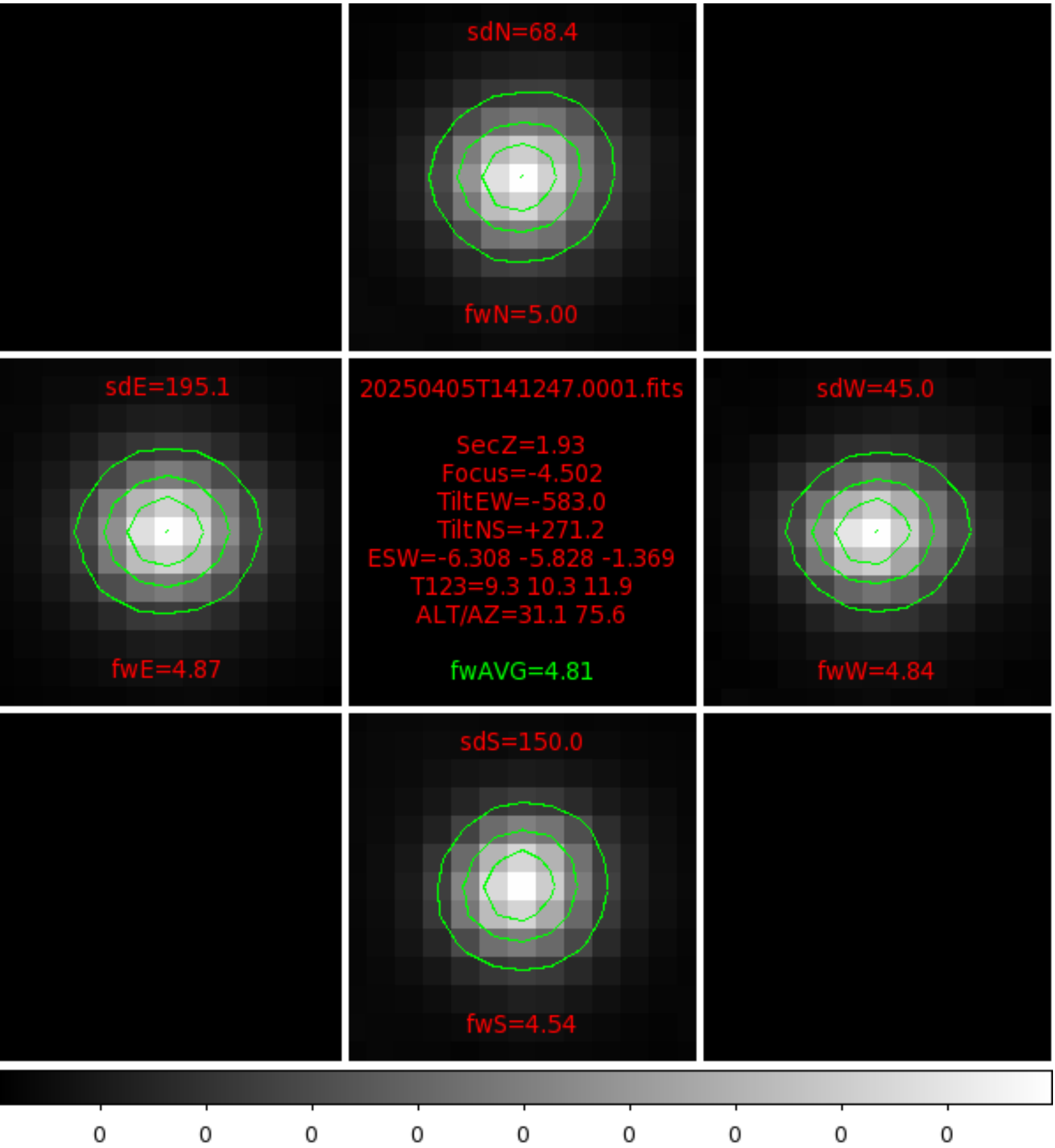
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fwE=4.87
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SecZ=1.93
Focus=-4.502
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.308 -5.828 -1.369
T123=9.3 10.3 11.9
ALT/AZ=31.1 75.6
fwAVG=4.81
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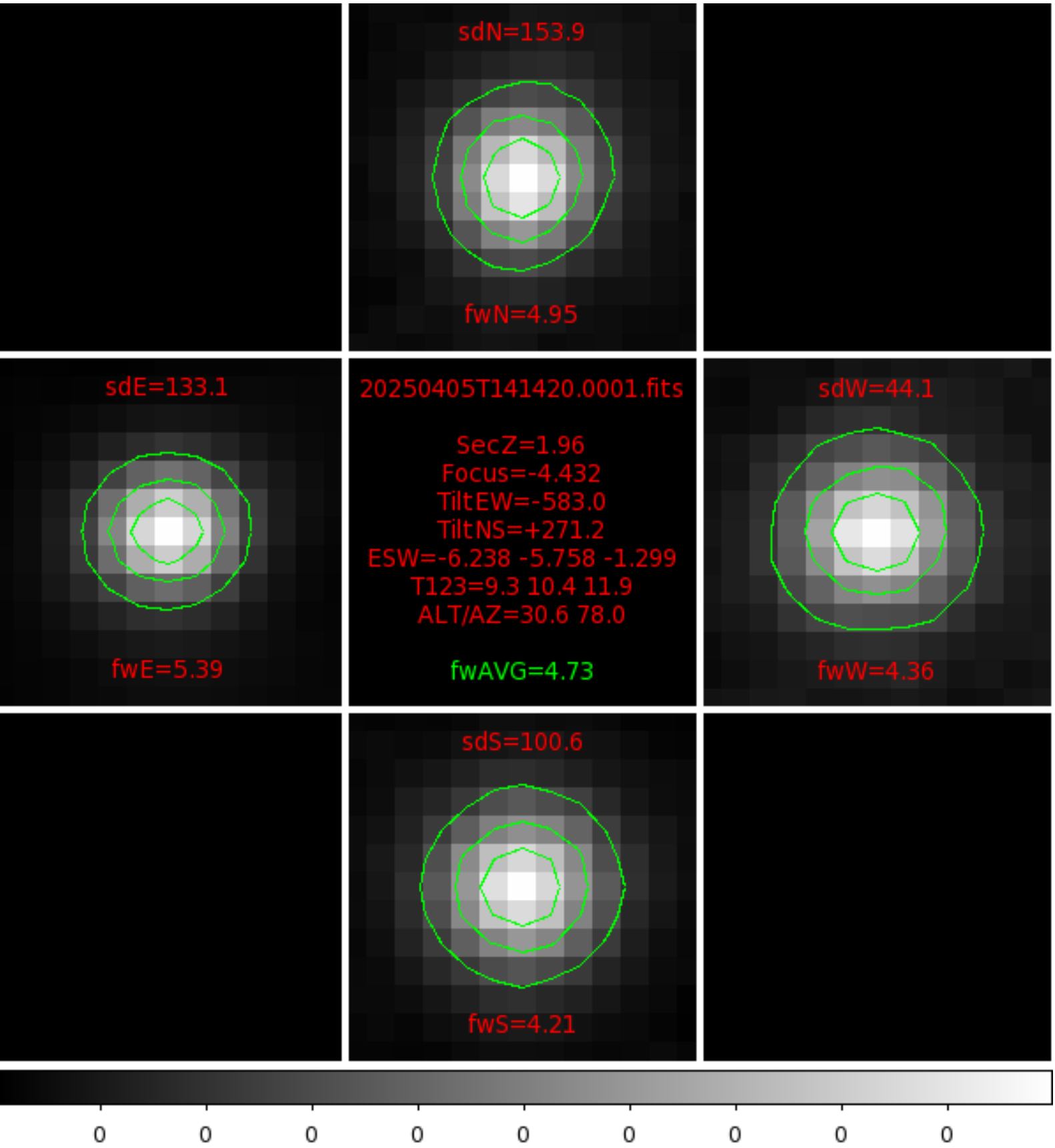
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fwE=5.39
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SecZ=1.96
Focus=-4.432
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.238 -5.758 -1.299
T123=9.3 10.4 11.9
ALT/AZ=30.6 78.0
fwAVG=4.73
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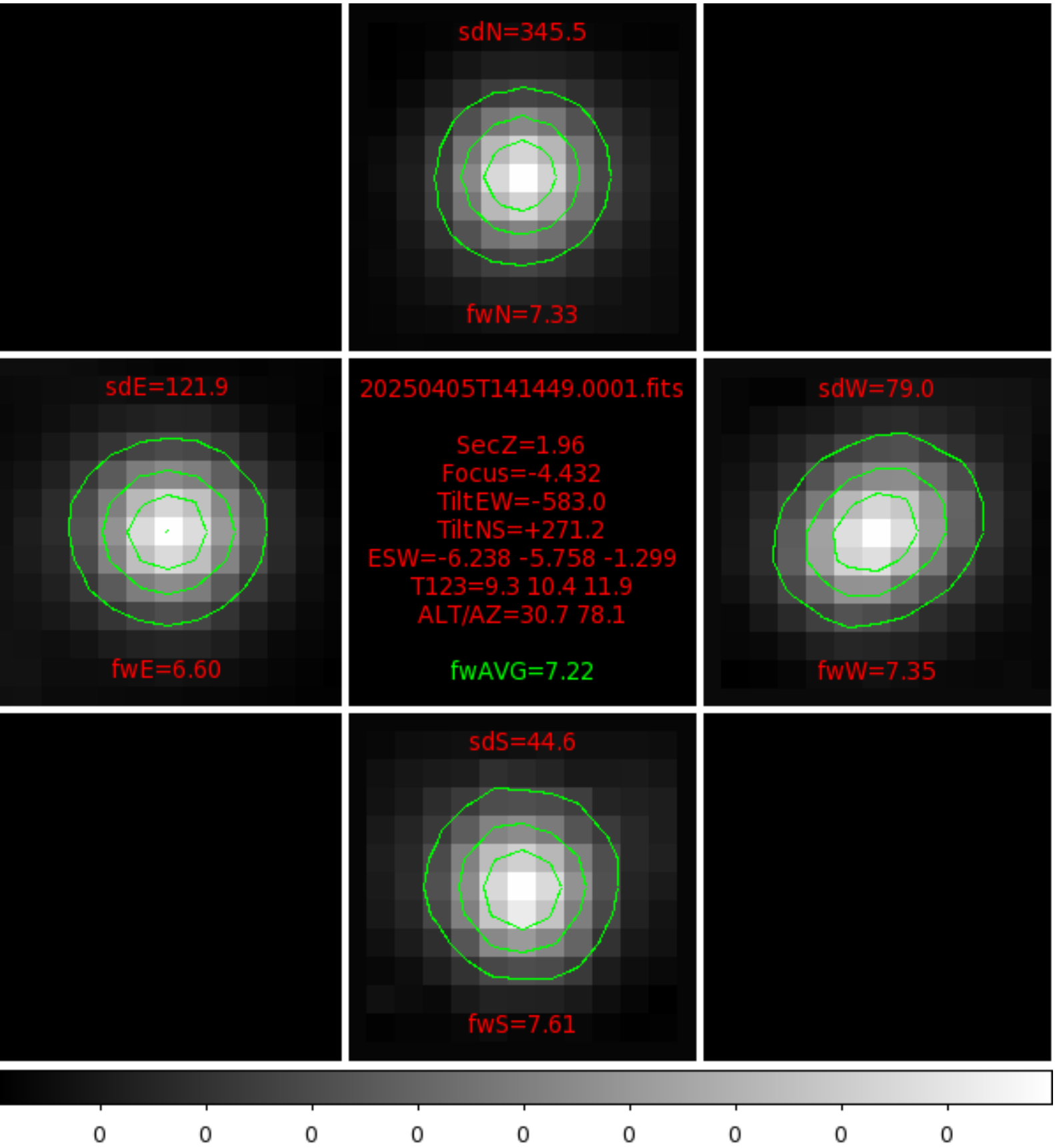
sdN=345.5
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SecZ=1.96
Focus=-4.432
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.238 -5.758 -1.299
T123=9.3 10.4 11.9
ALT/AZ=30.7 78.1
fwAVG=7.22
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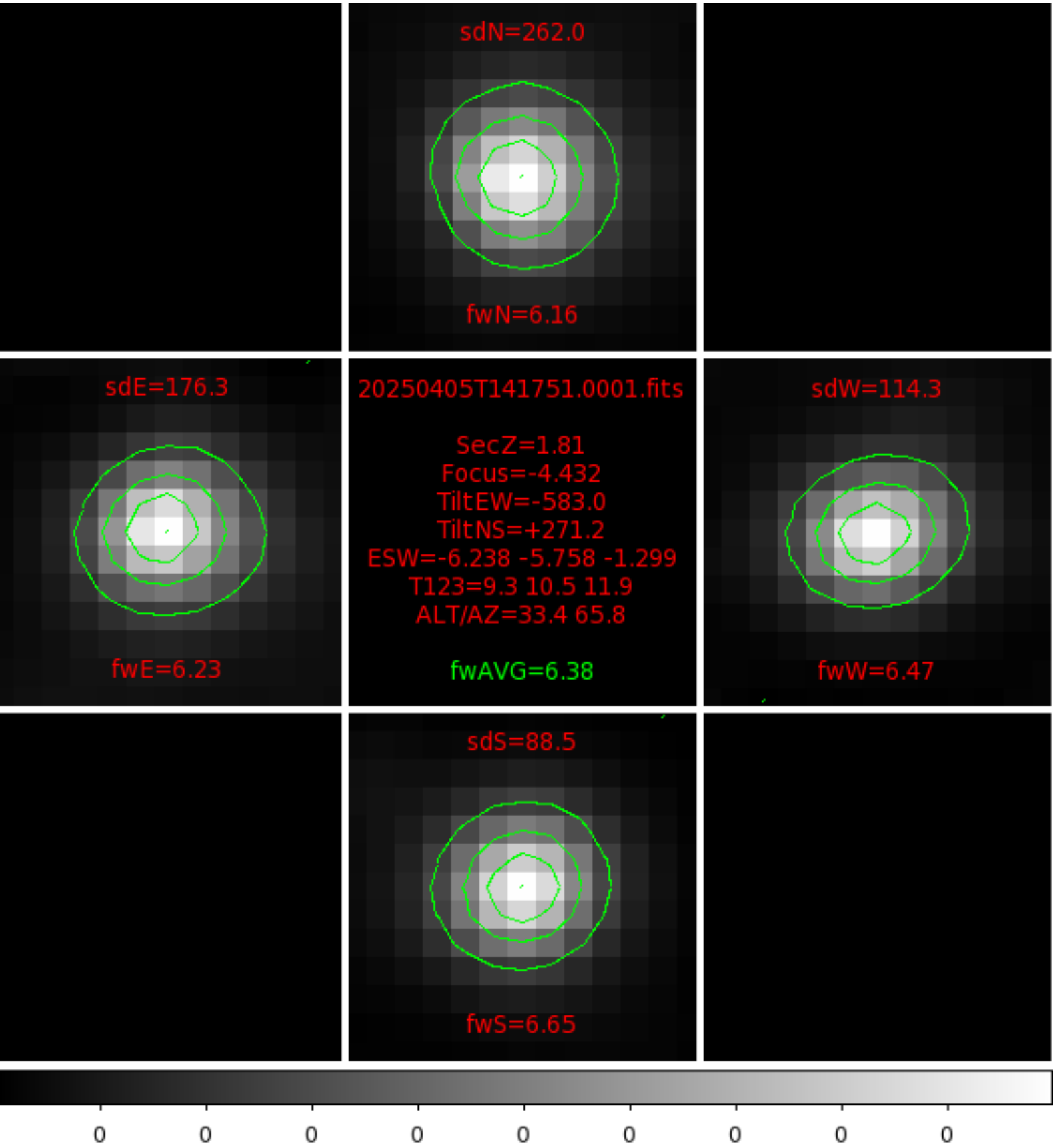
sdN=262.0
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SecZ=1.81
Focus=-4.432
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.238 -5.758 -1.299
T123=9.3 10.5 11.9
ALT/AZ=33.4 65.8
fwAVG=6.38
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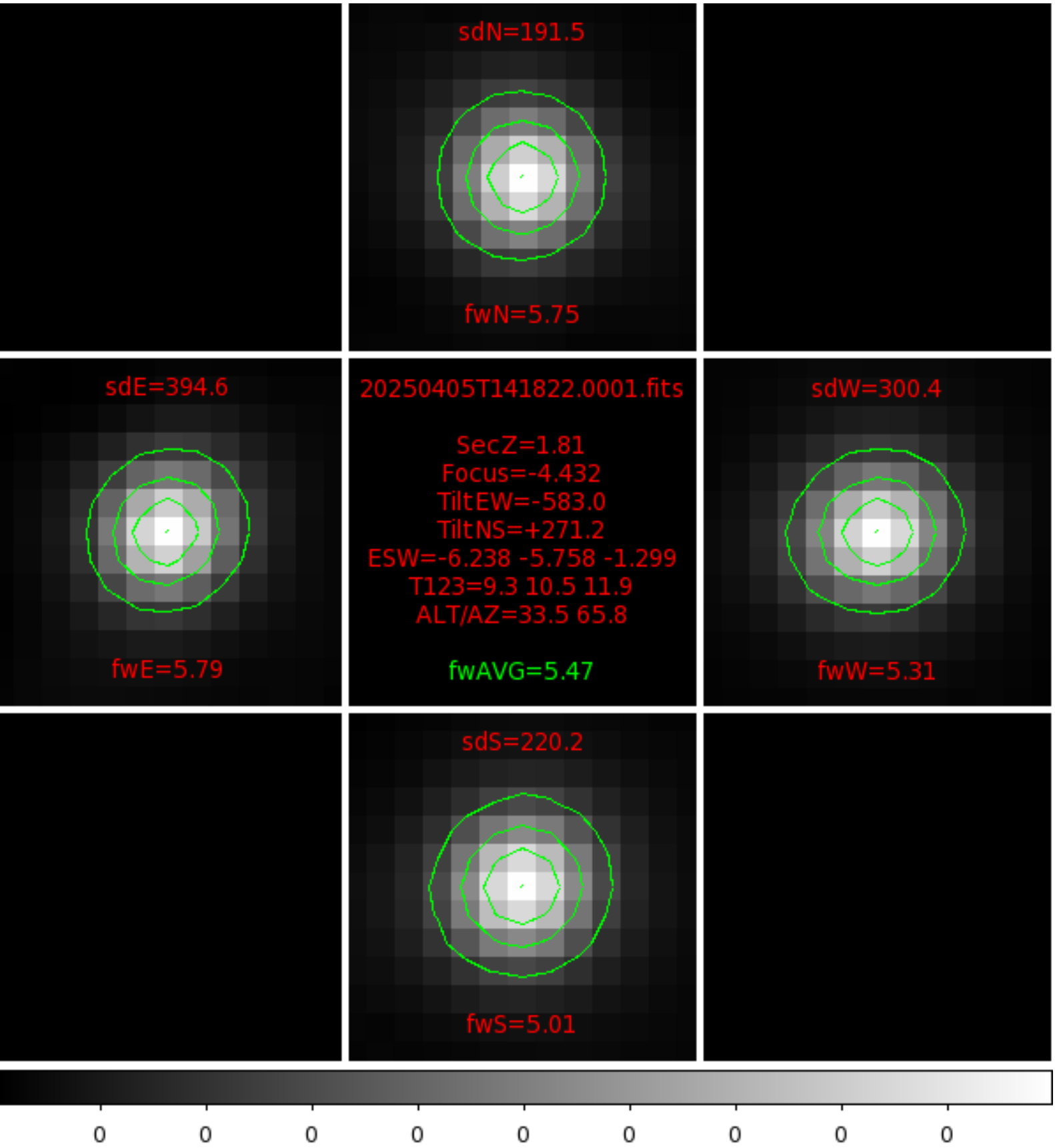
sdN=191.5
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sdE=394.6
fwE=5.79
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SecZ=1.81
Focus=-4.432
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.238 -5.758 -1.299
T123=9.3 10.5 11.9
ALT/AZ=33.5 65.8
fwAVG=5.47
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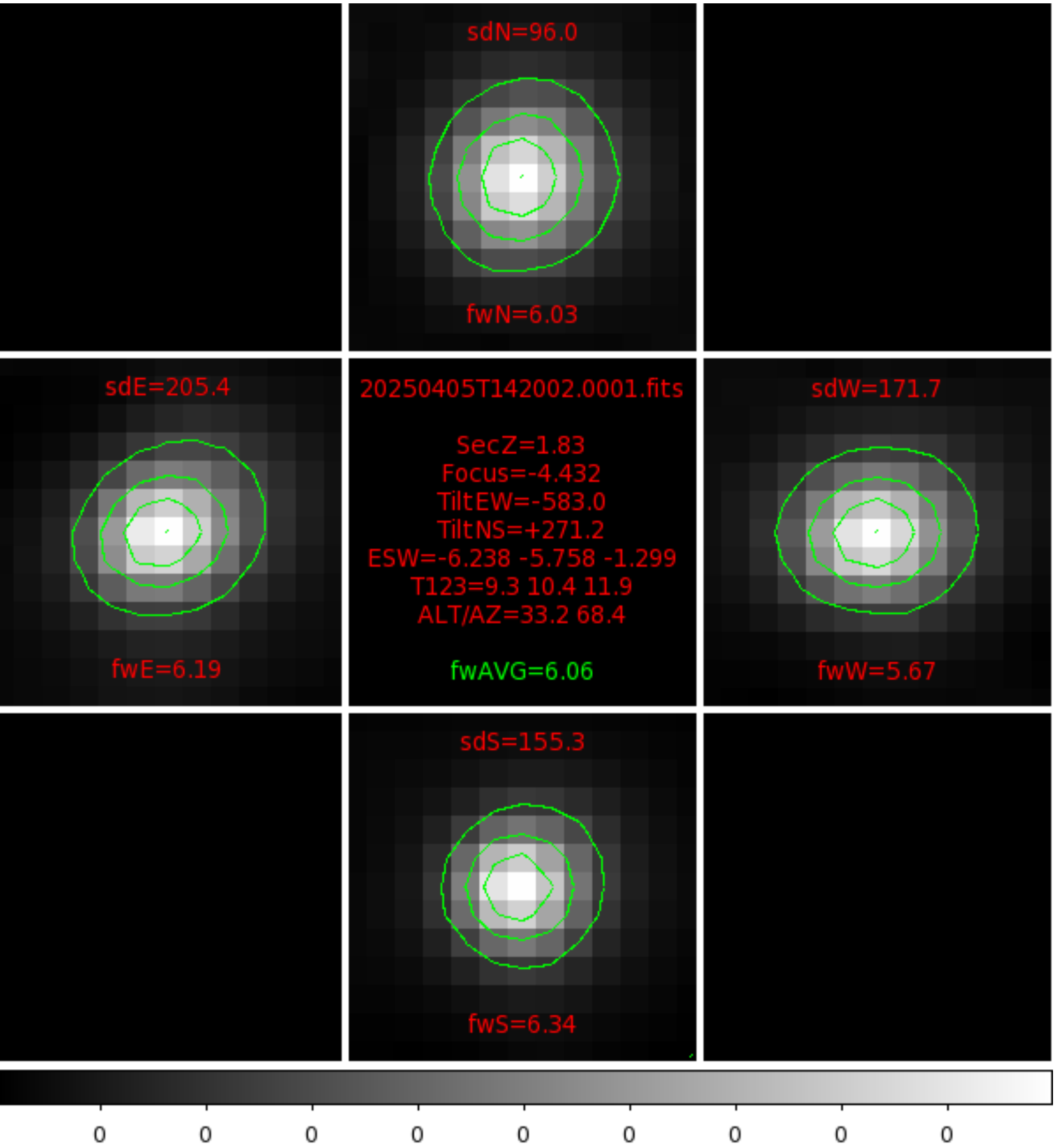
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SecZ=1.83
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.238 -5.758 -1.299
T123=9.3 10.4 11.9
ALT/AZ=33.2 68.4
fwAVG=6.06
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sdS=155.3
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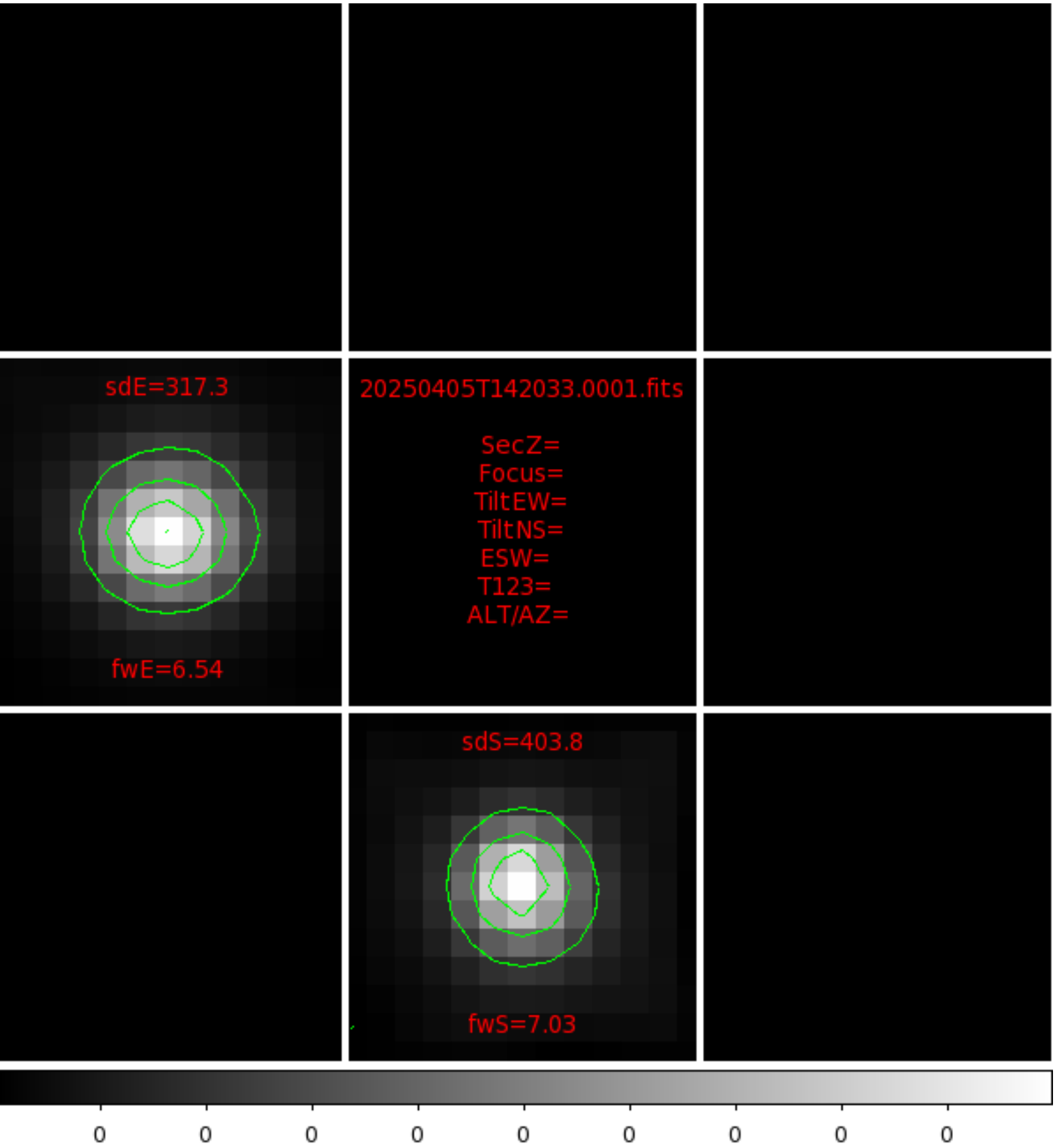
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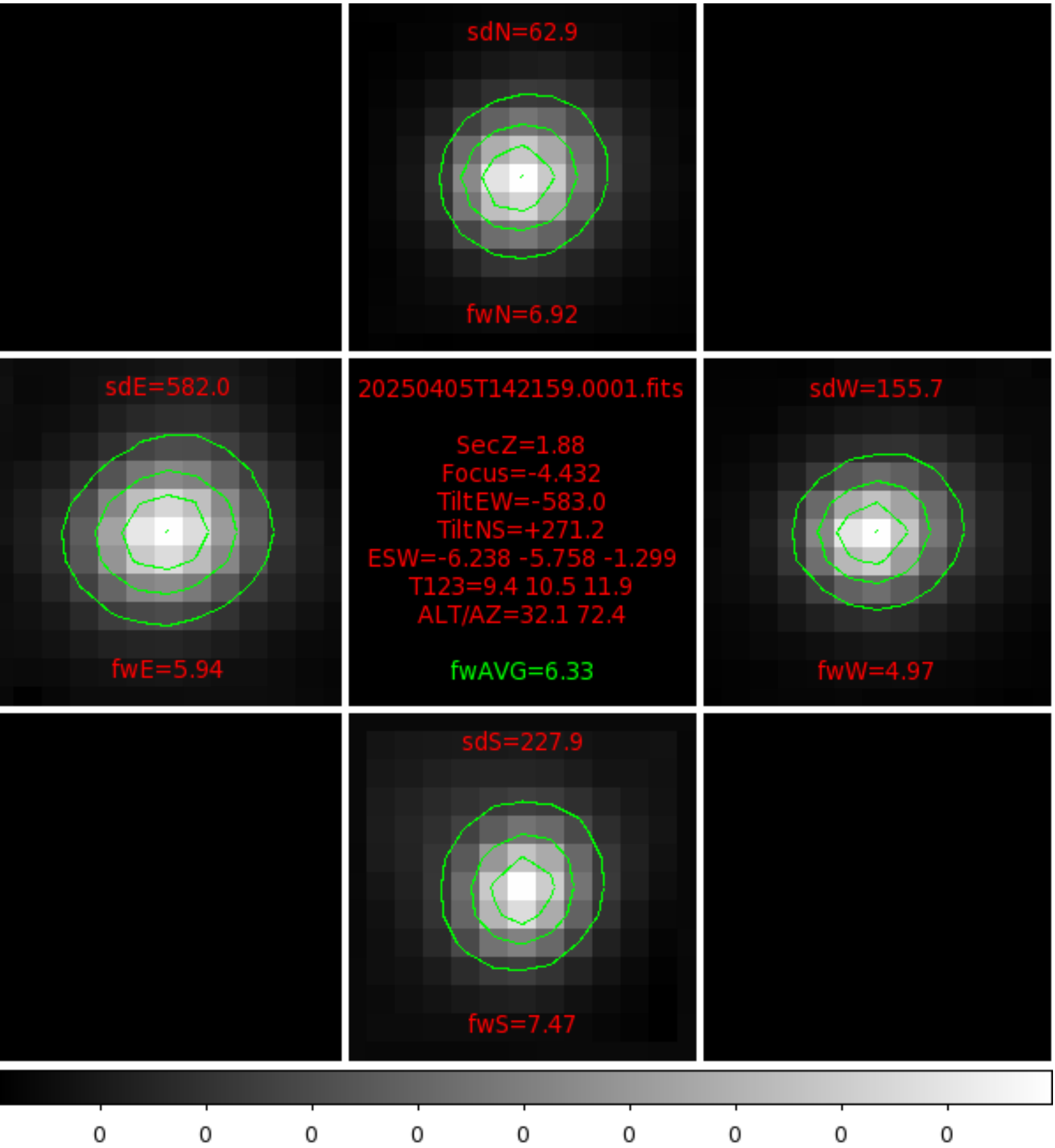
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.238 -5.758 -1.299
T123=9.4 10.5 11.9
ALT/AZ=32.1 72.4
fwAVG=6.33
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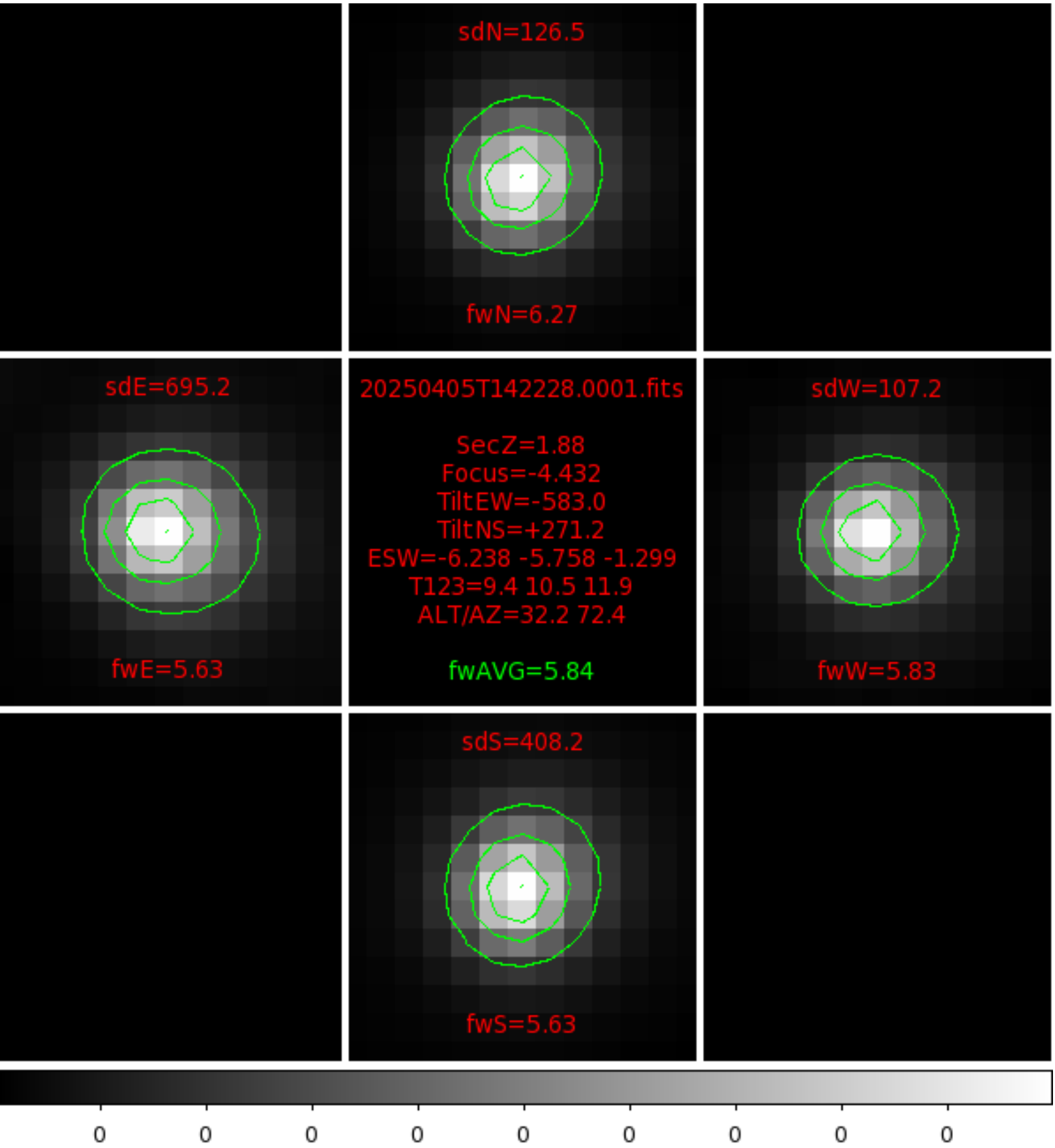
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SecZ=1.88
Focus=-4.432
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.238 -5.758 -1.299
T123=9.4 10.5 11.9
ALT/AZ=32.2 72.4
fwAVG=5.84
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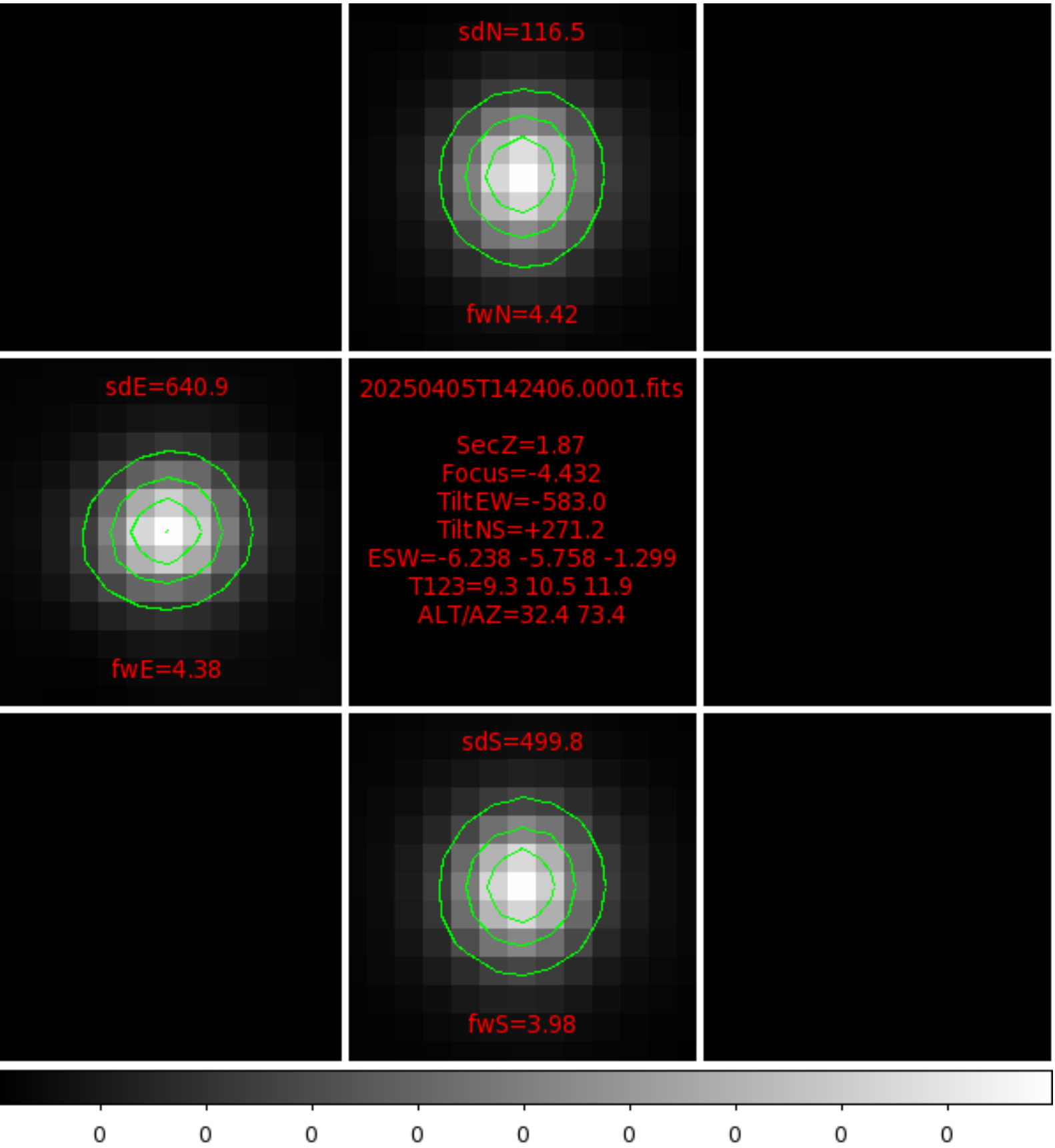
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TiltNS=+271.2
ESW=-6.238 -5.758 -1.299
T123=9.3 10.5 11.9
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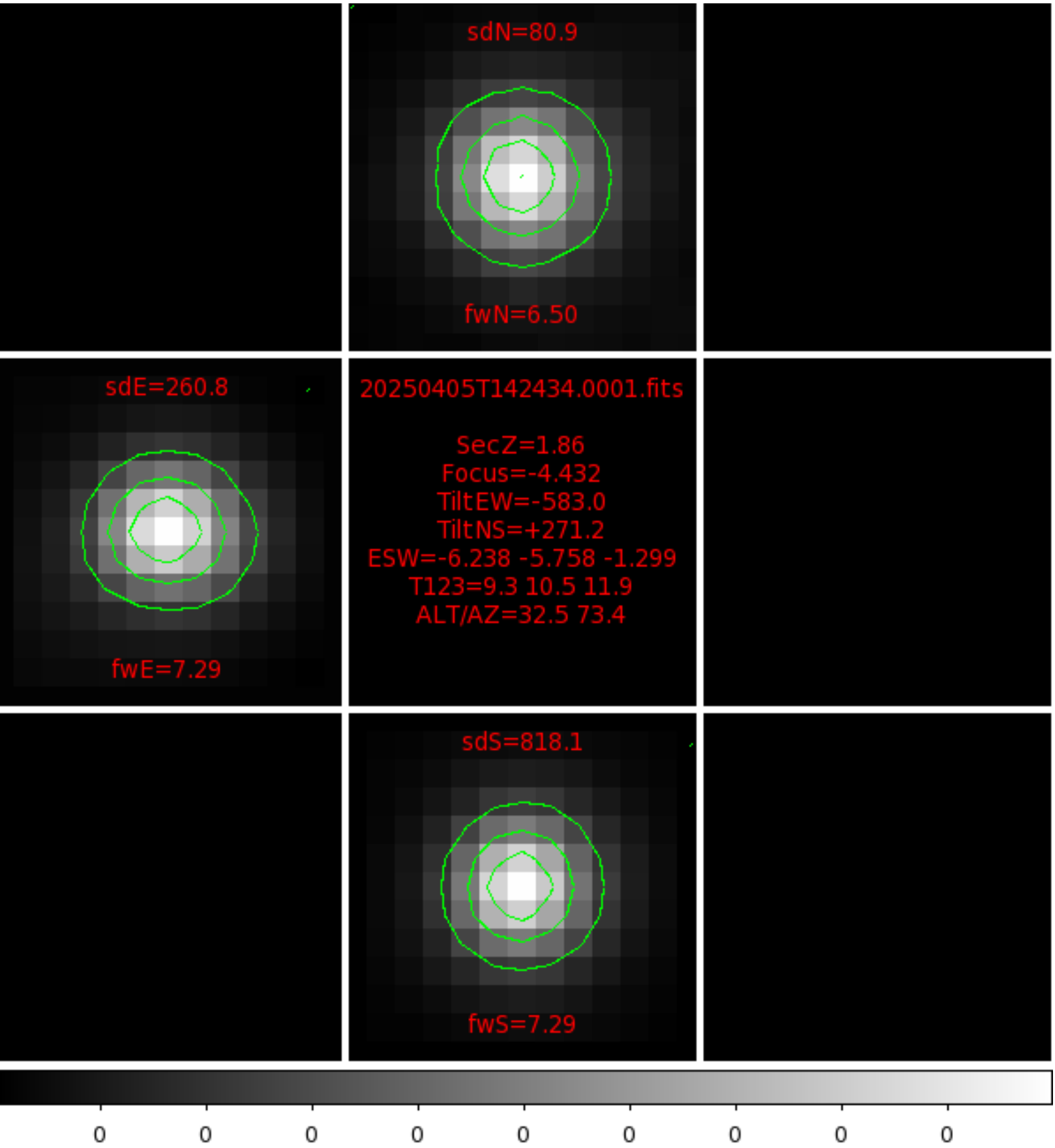
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SecZ=1.86
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TiltNS=+271.2
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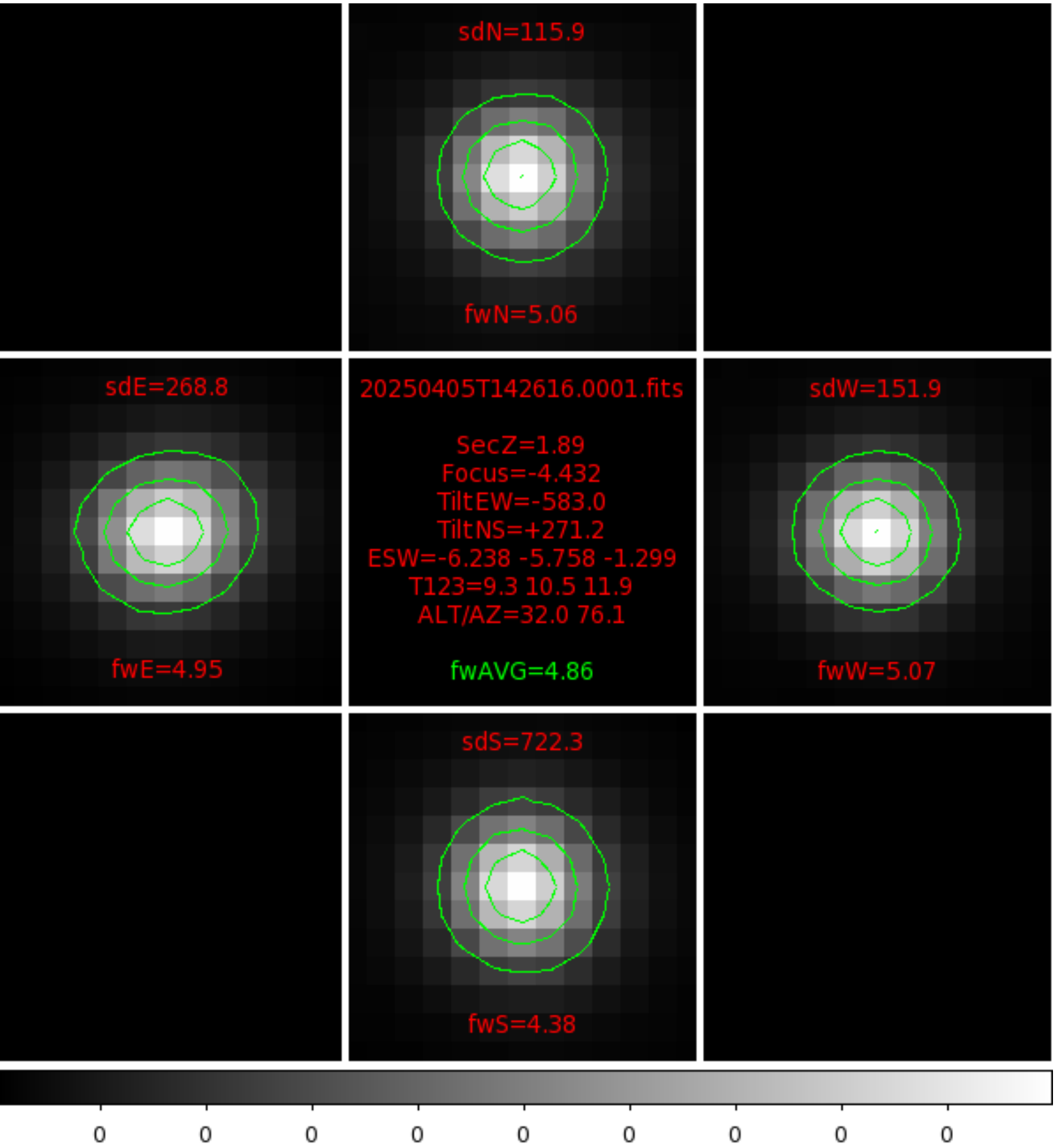
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sdE=268.8
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SecZ=1.89
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.238 -5.758 -1.299
T123=9.3 10.5 11.9
ALT/AZ=32.0 76.1
fwAVG=4.86
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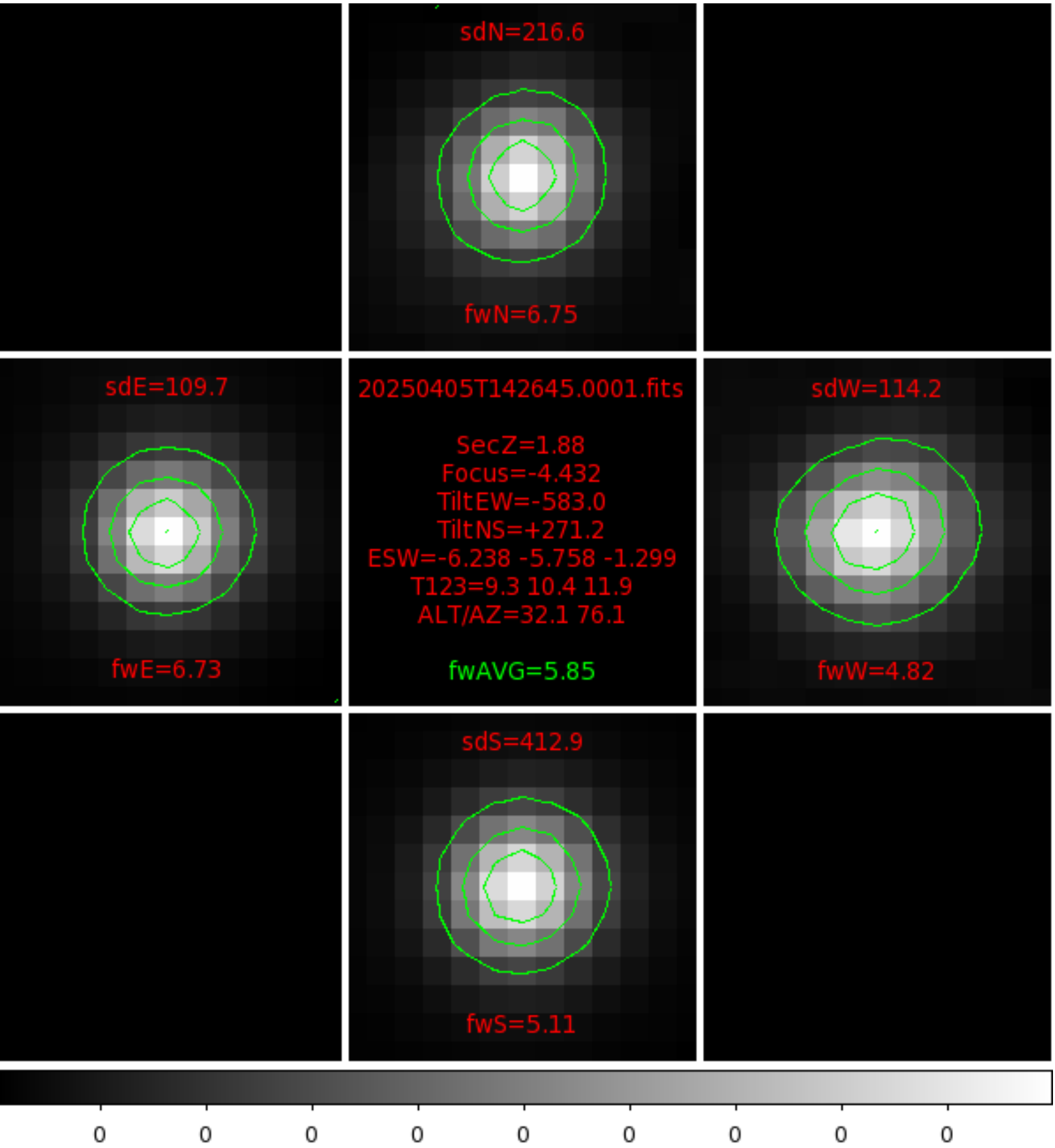
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SecZ=1.88
Focus=-4.432
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.238 -5.758 -1.299
T123=9.3 10.4 11.9
ALT/AZ=32.1 76.1
fwAVG=5.85
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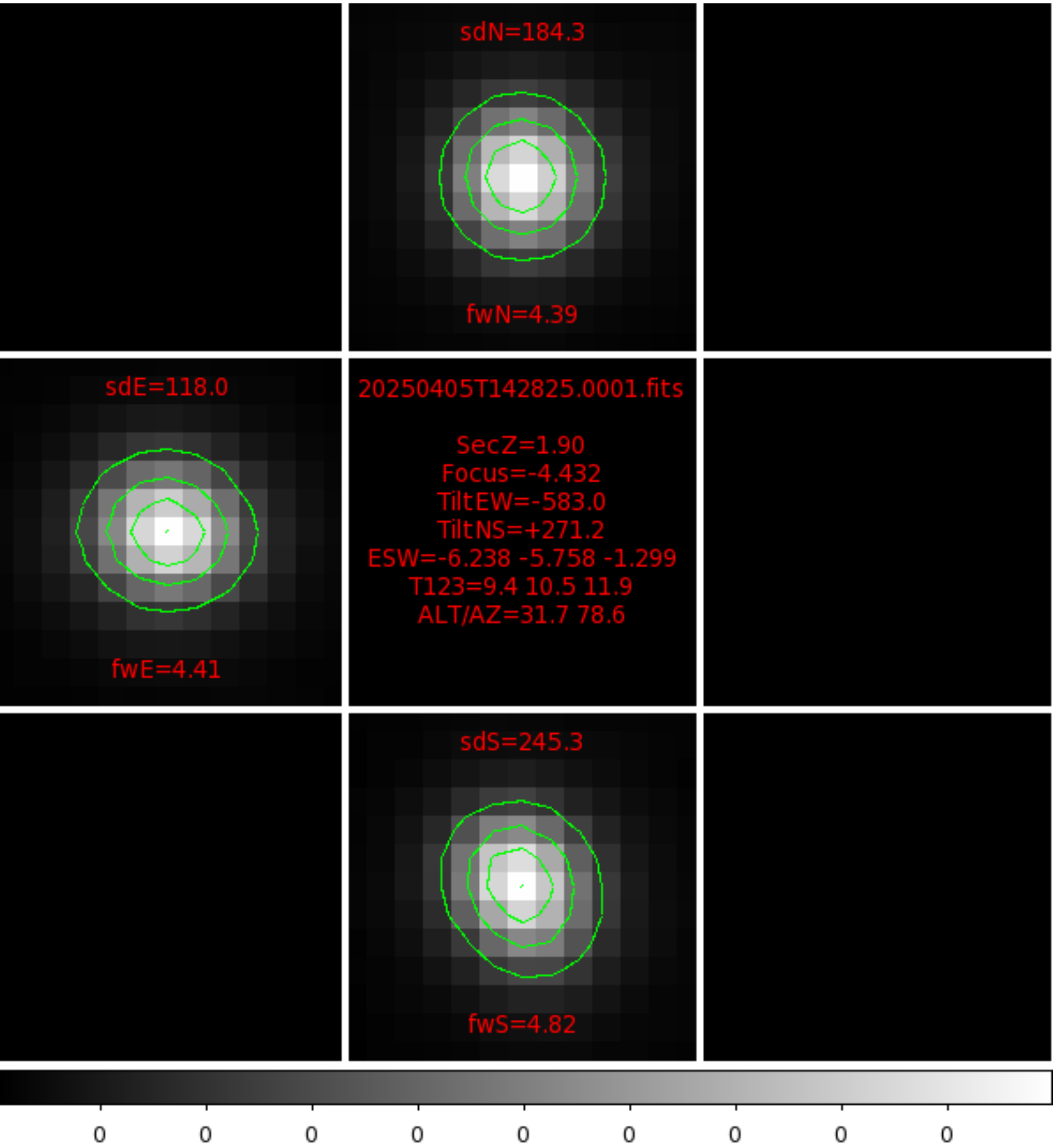
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sdE=118.0
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20250405T142825.0001.fits
SecZ=1.90
Focus=-4.432
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.238 -5.758 -1.299
T123=9.4 10.5 11.9
ALT/AZ=31.7 78.6
sdS=245.3
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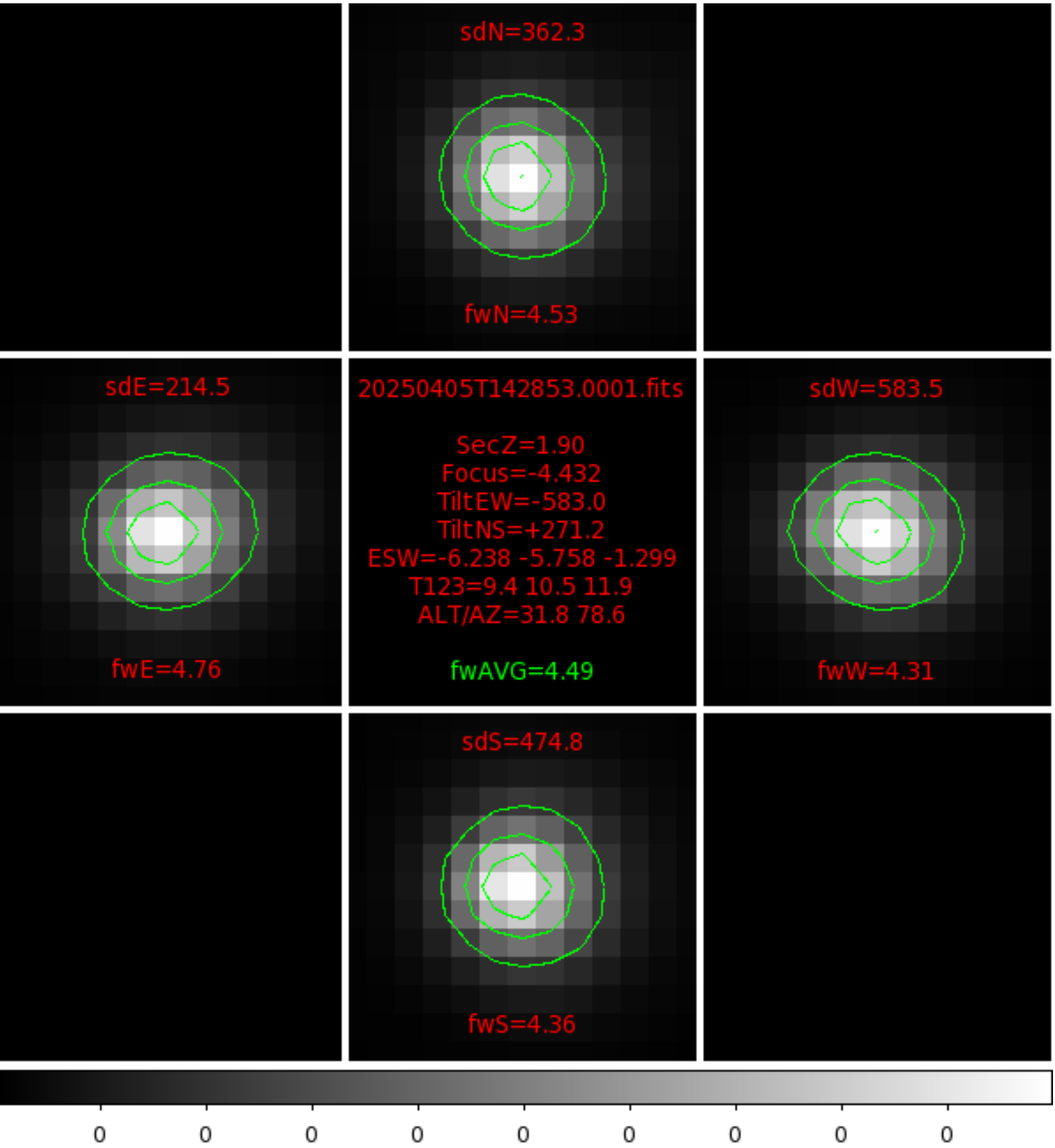
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SecZ=1.90
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.238 -5.758 -1.299
T123=9.4 10.5 11.9
ALT/AZ=31.8 78.6
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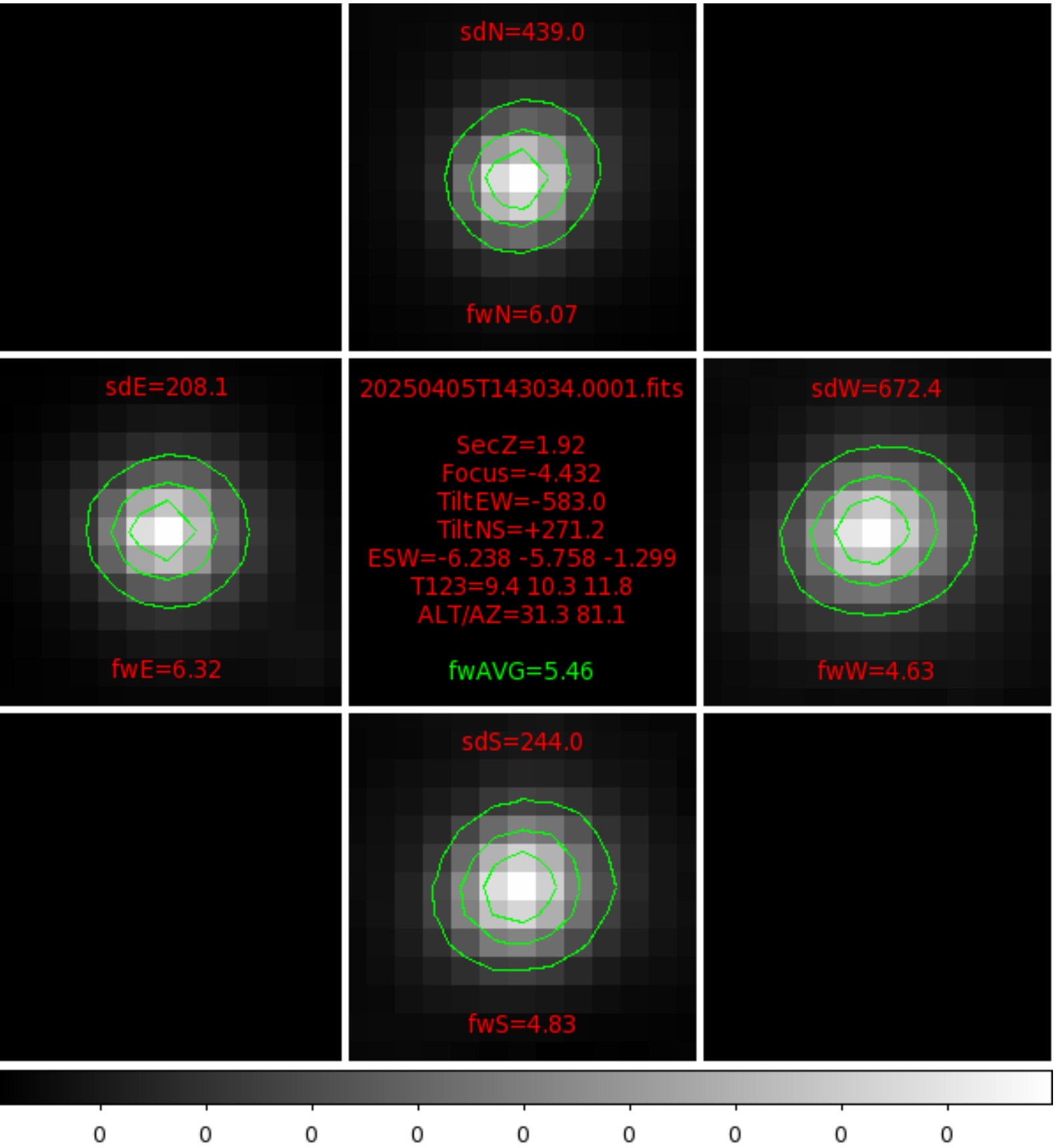
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TiltNS=+271.2
ESW=-6.238 -5.758 -1.299
T123=9.4 10.3 11.8
ALT/AZ=31.3 81.1
fwAVG=5.46
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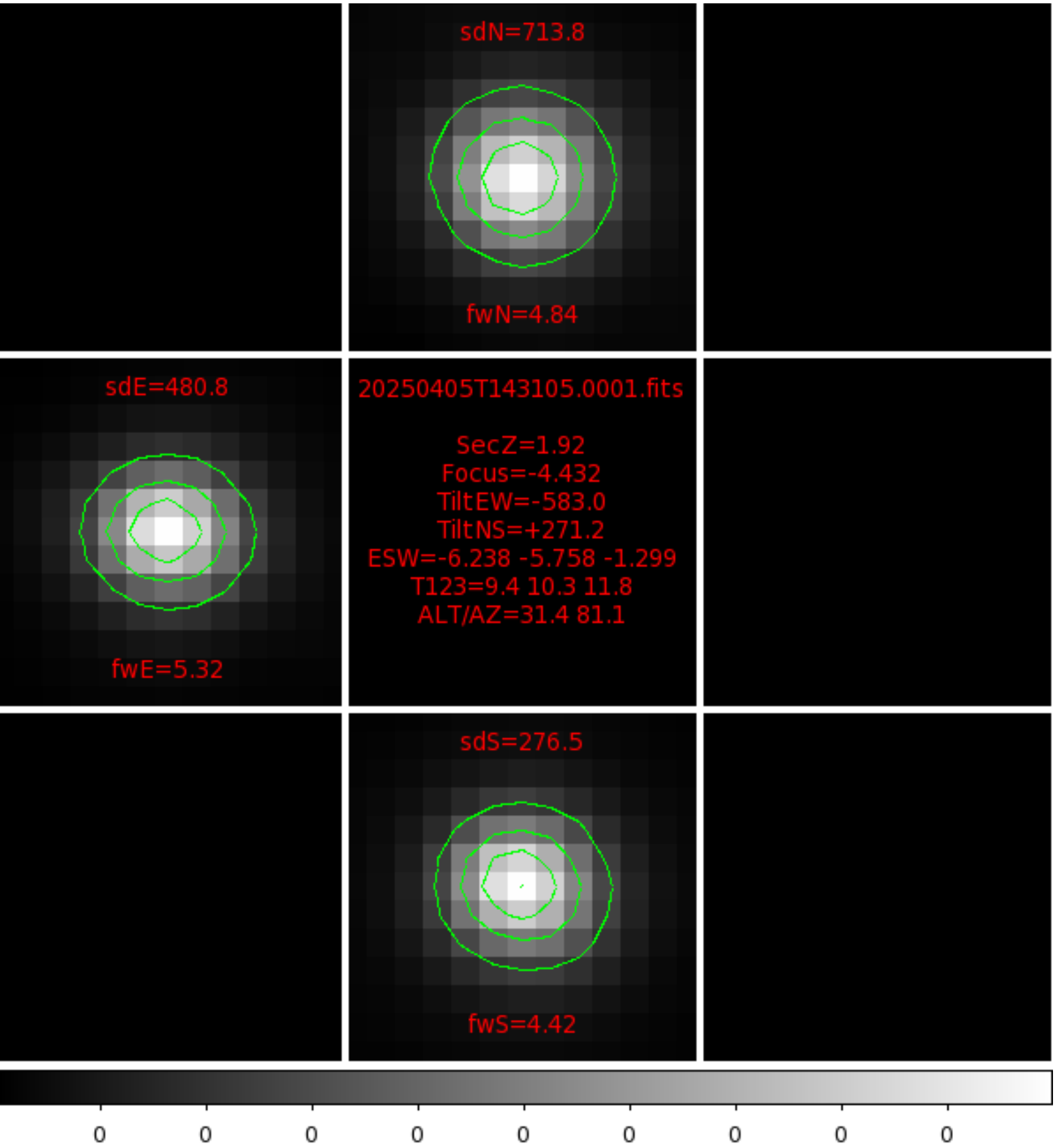
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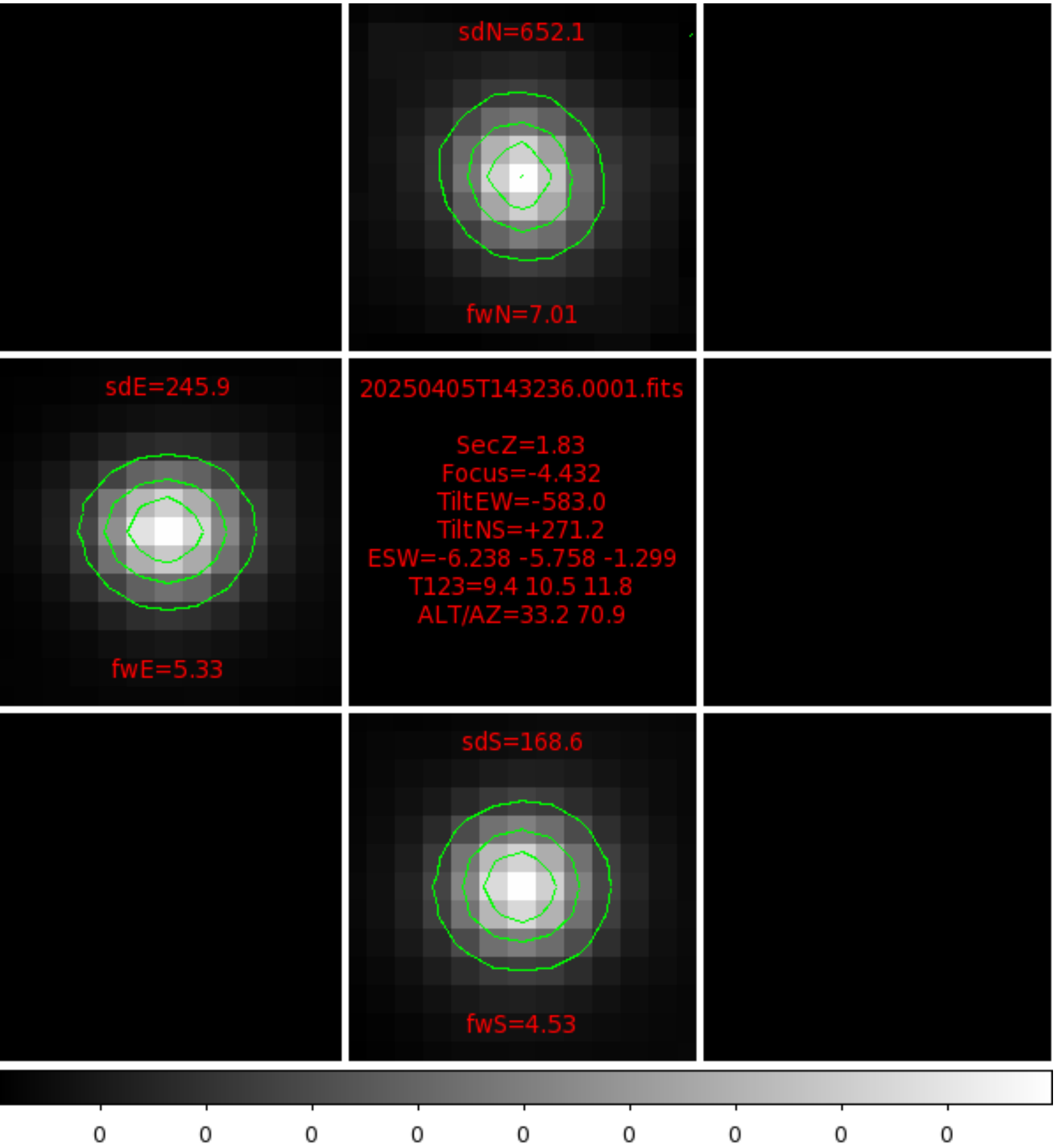
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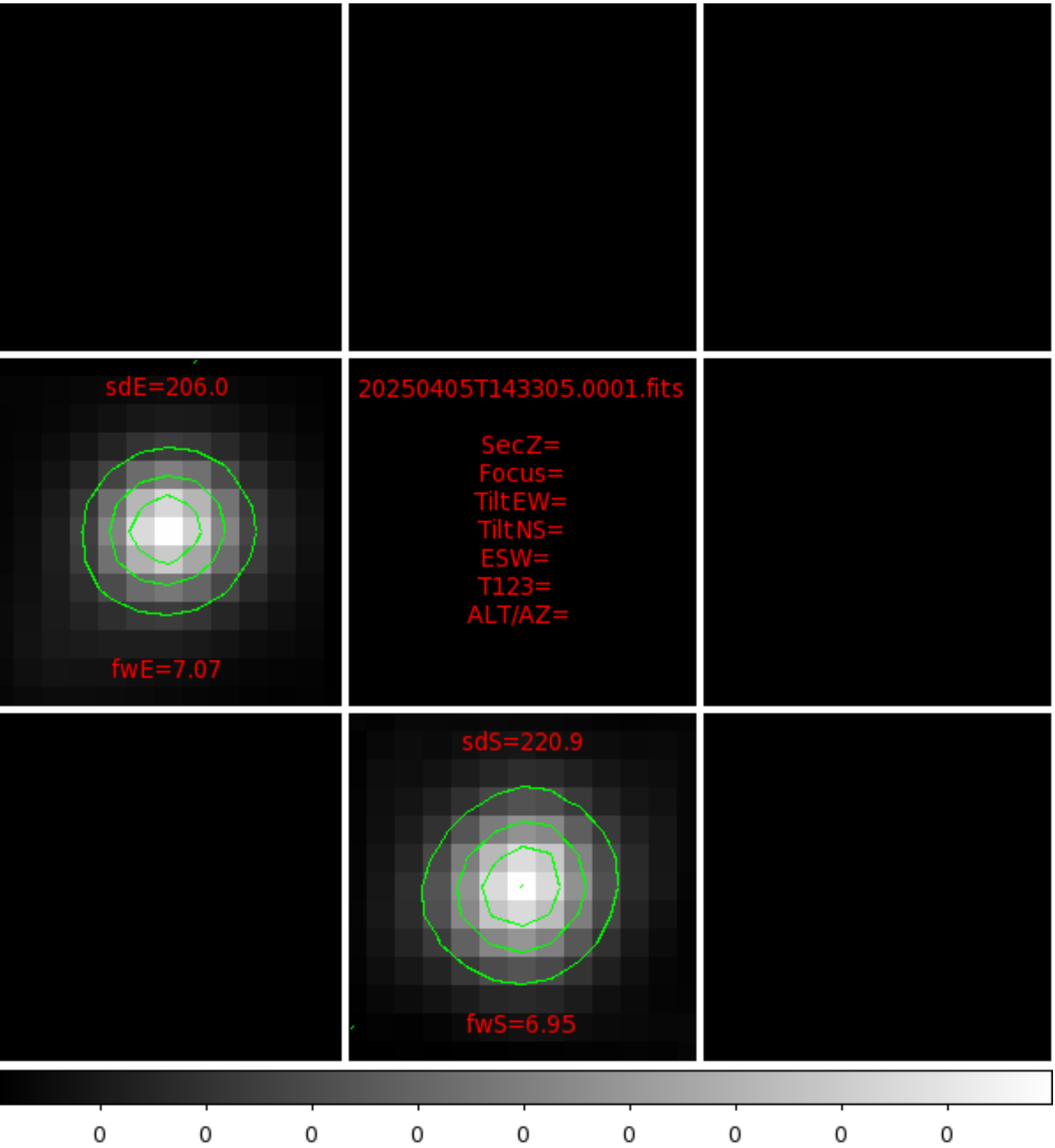
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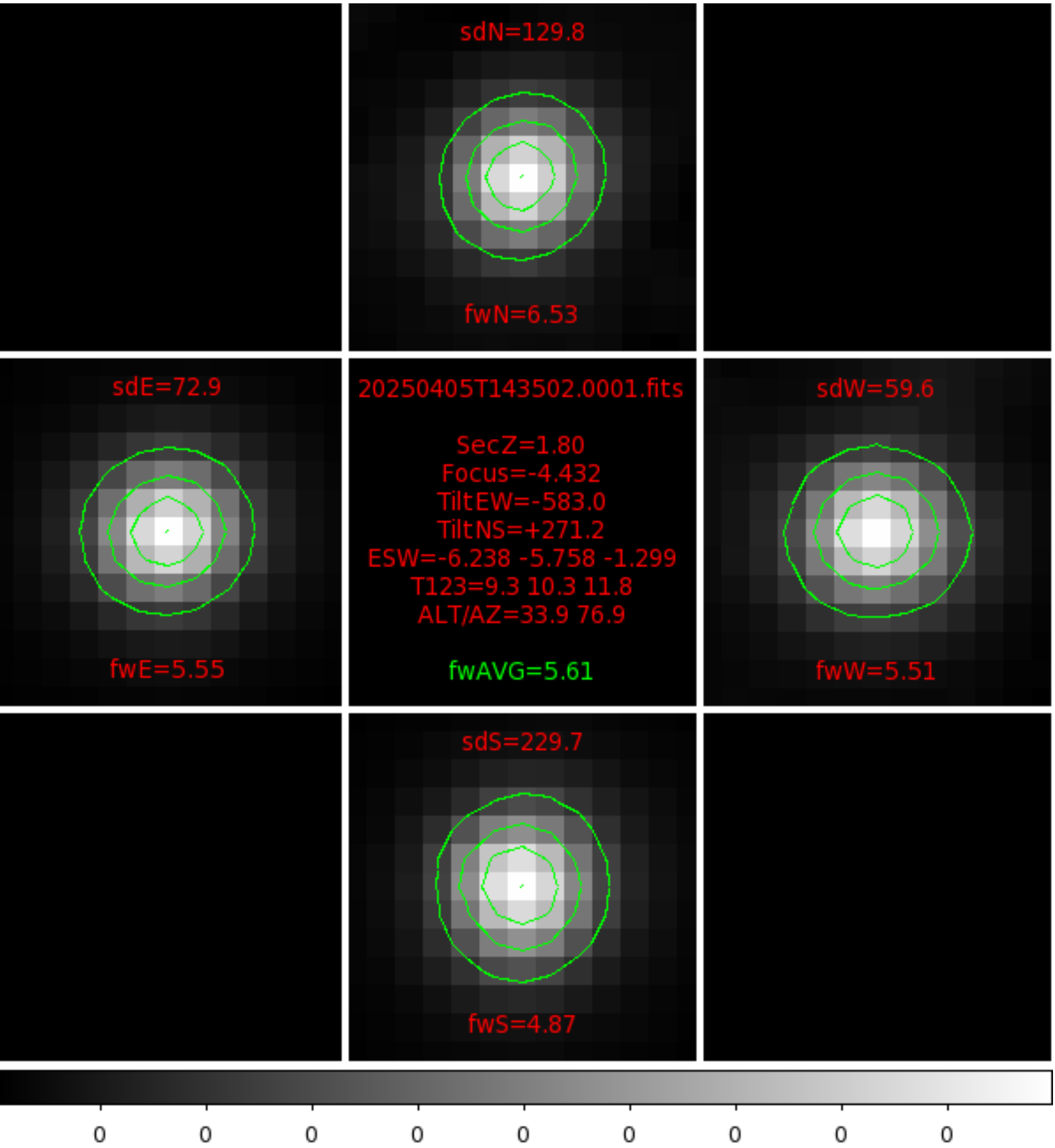
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TiltNS=+271.2
ESW=-6.238 -5.758 -1.299
T123=9.3 10.3 11.8
ALT/AZ=33.9 76.9
fwAVG=5.61
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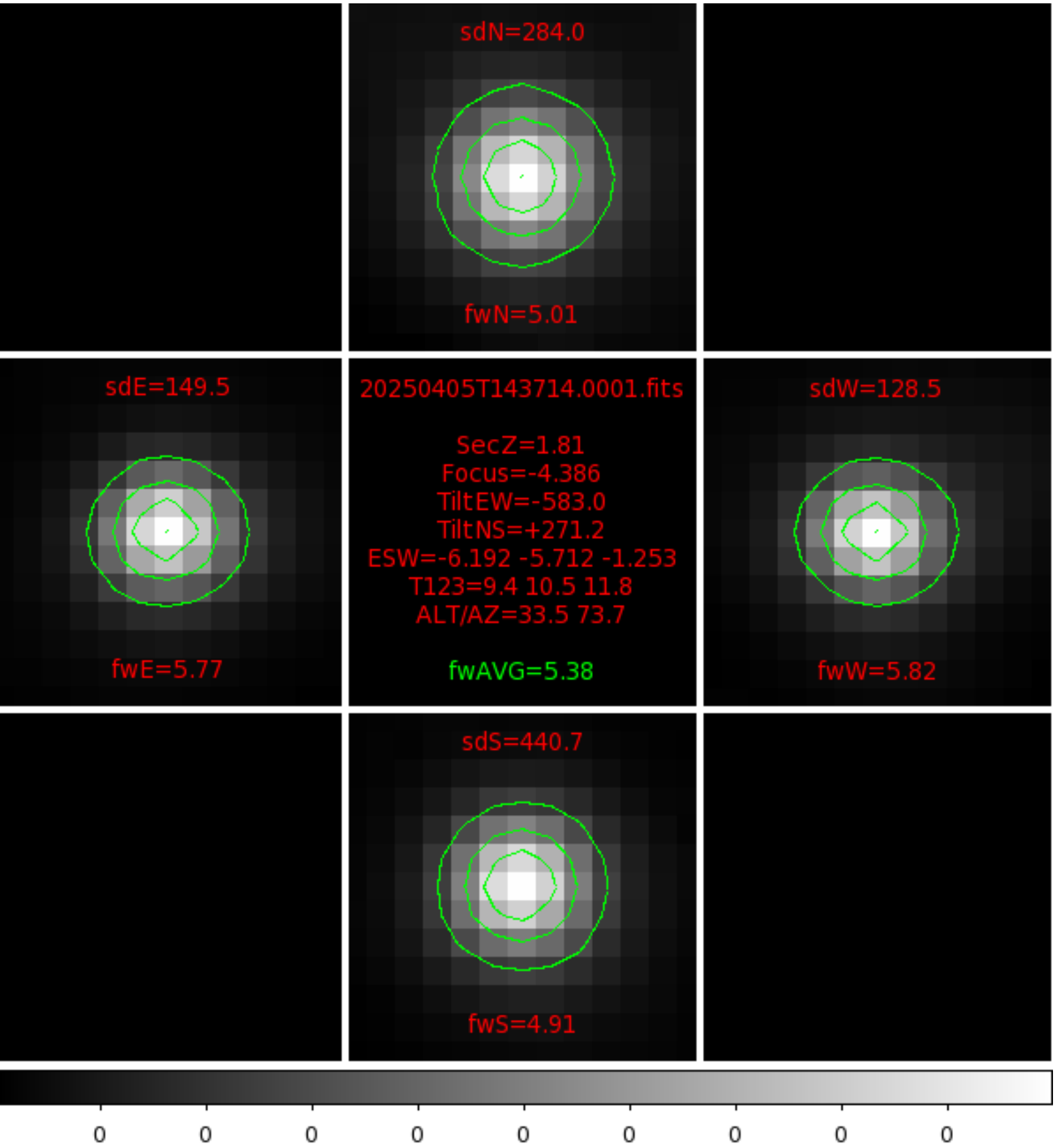
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TiltNS=+271.2
ESW=-6.192 -5.712 -1.253
T123=9.4 10.5 11.8
ALT/AZ=33.5 73.7
fwAVG=5.38
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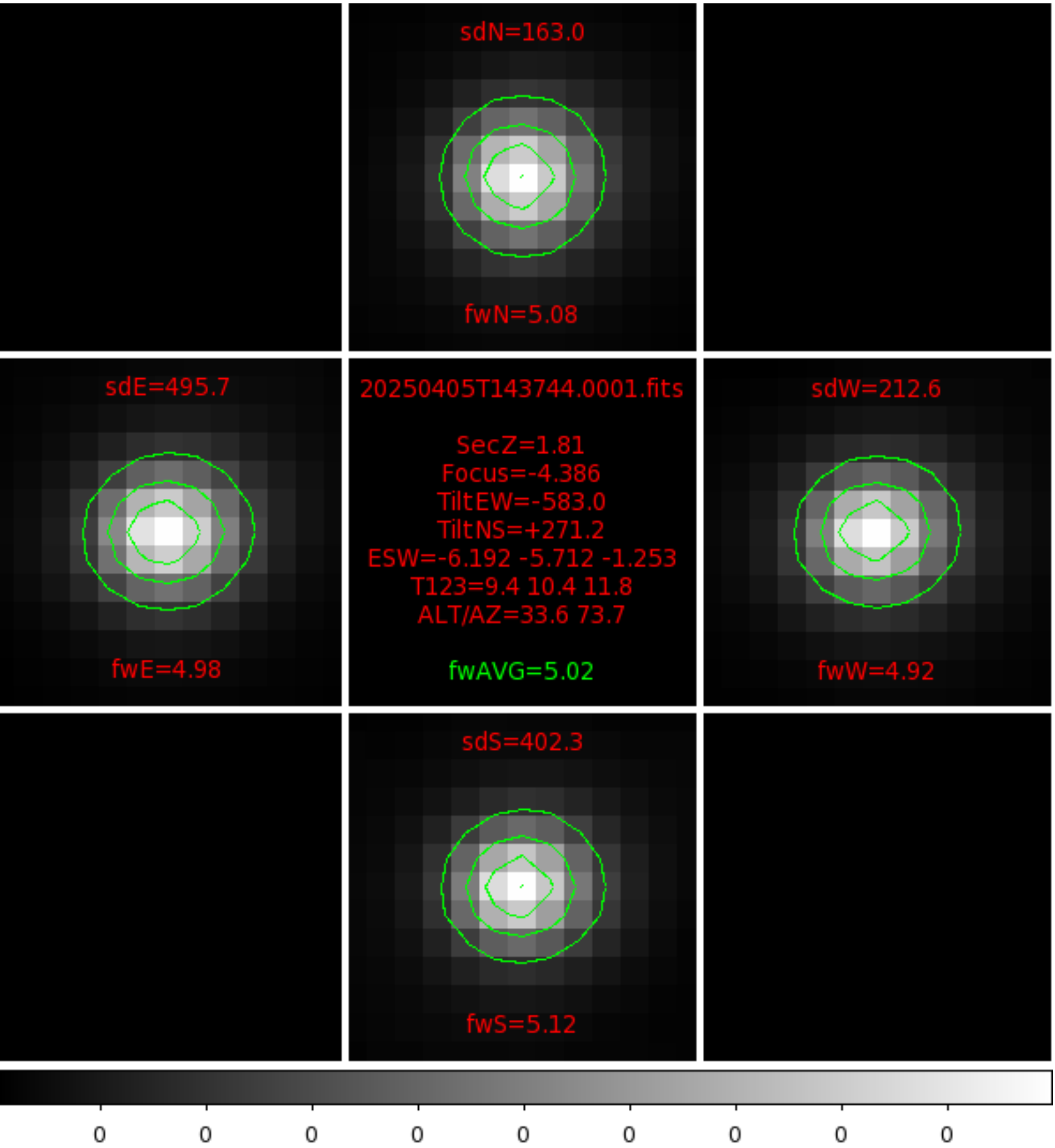
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SecZ=1.81
Focus=-4.386
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.192 -5.712 -1.253
T123=9.4 10.4 11.8
ALT/AZ=33.6 73.7
fwAVG=5.02
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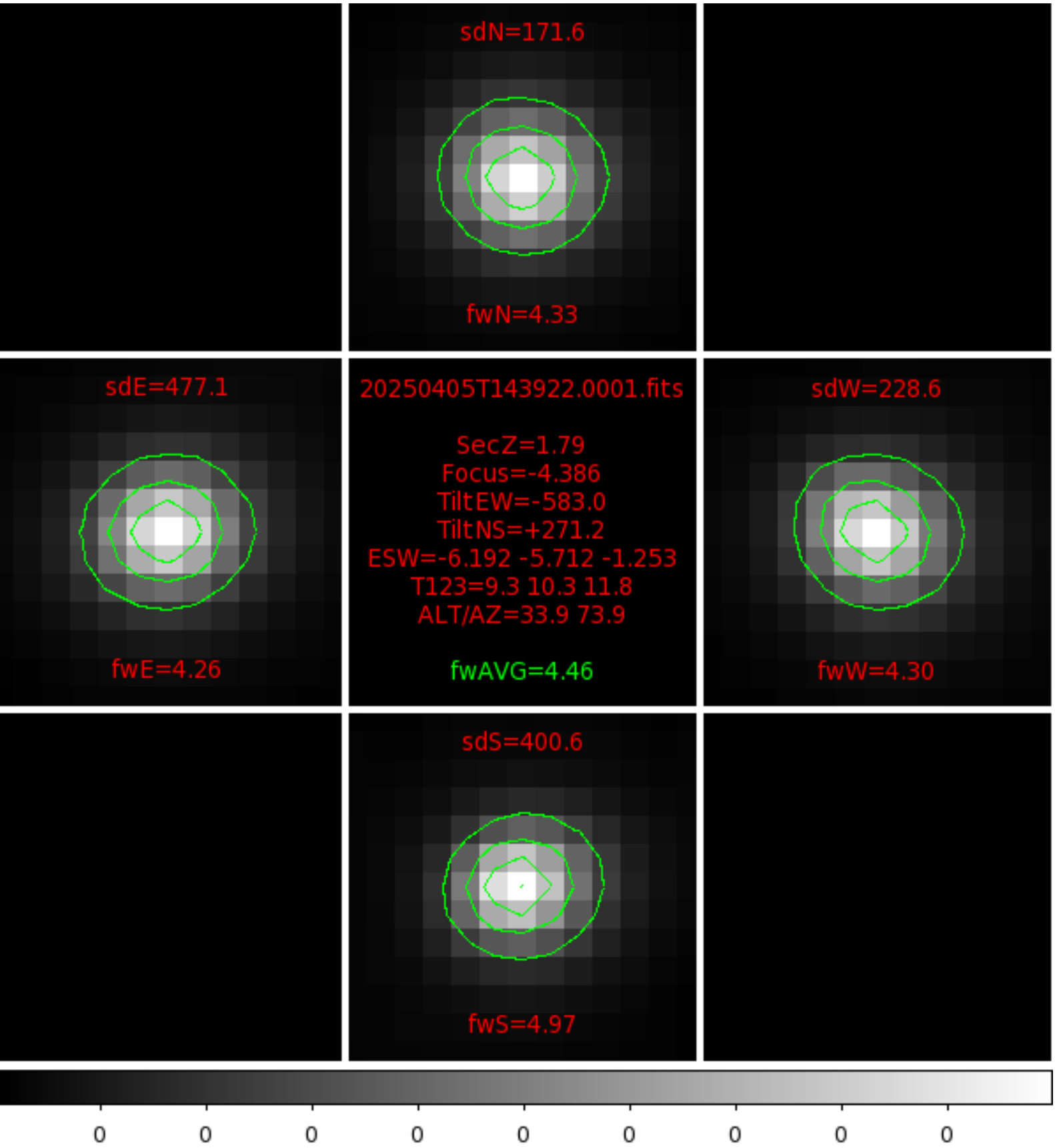
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20250405T143922.0001.fits
SecZ=1.79
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.192 -5.712 -1.253
T123=9.3 10.3 11.8
ALT/AZ=33.9 73.9
fwAVG=4.46
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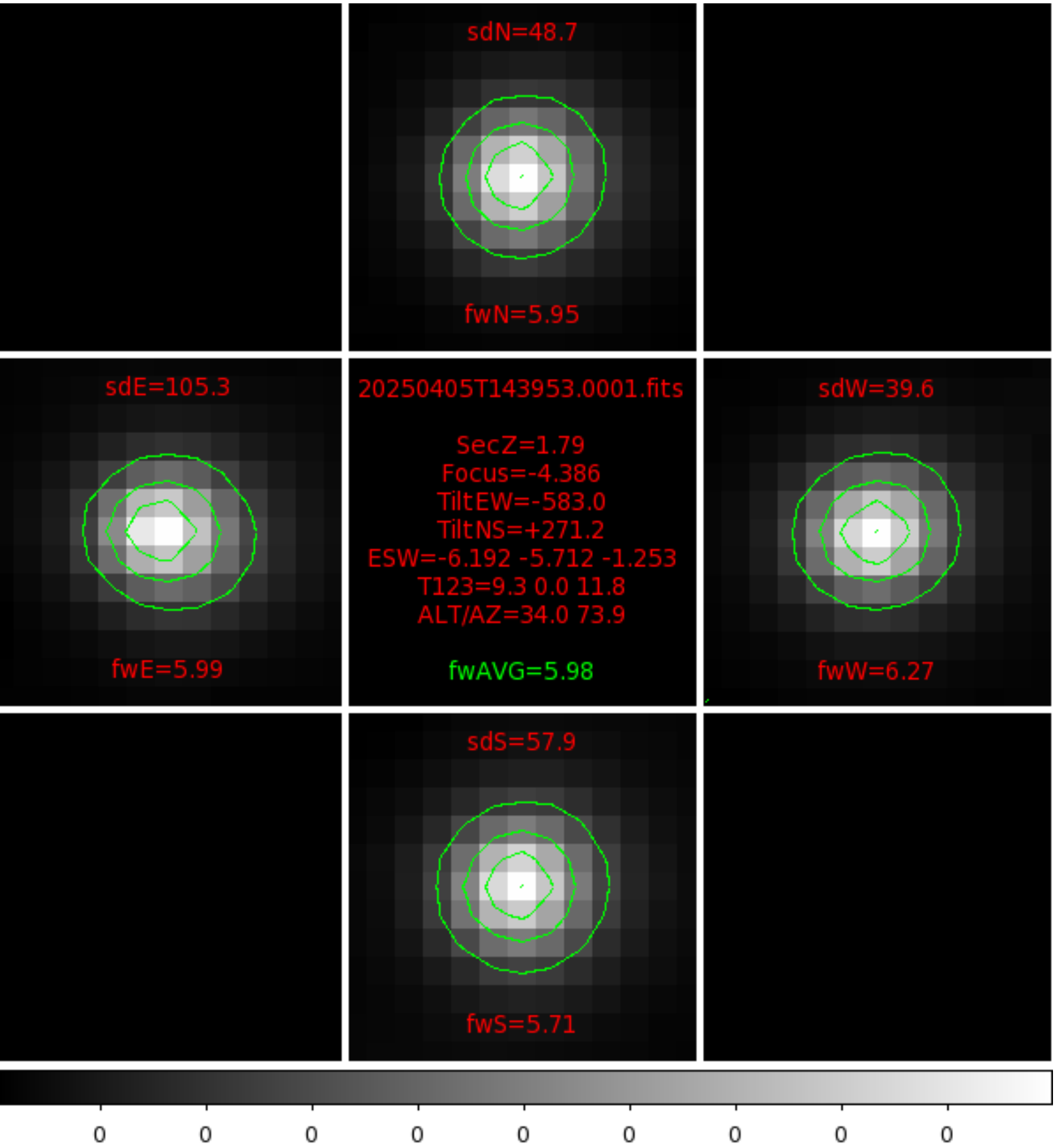
sdN=48.7
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20250405T143953.0001.fits
SecZ=1.79
Focus=-4.386
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.192 -5.712 -1.253
T123=9.3 0.0 11.8
ALT/AZ=34.0 73.9
fwAVG=5.98
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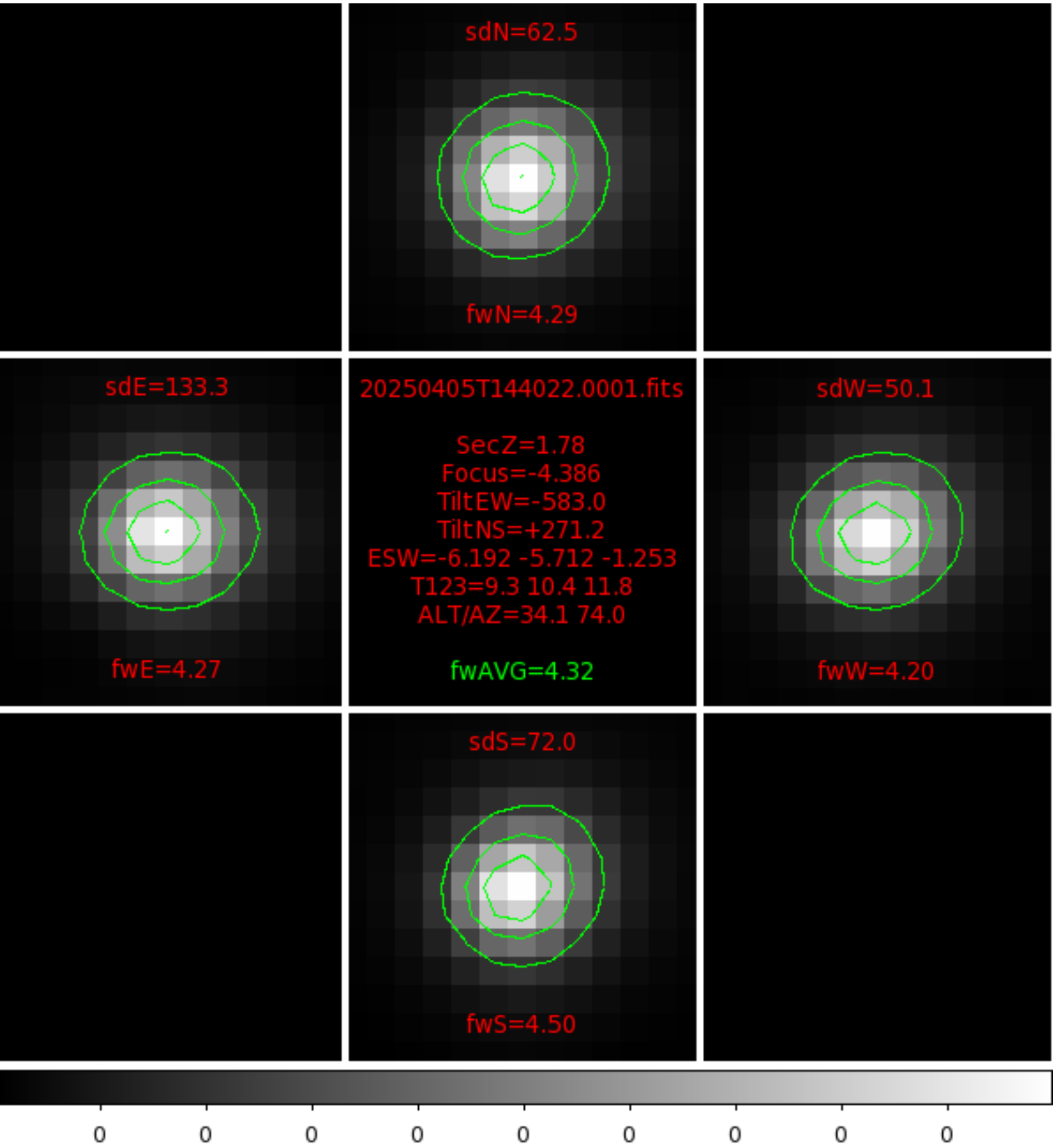
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SecZ=1.78
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TiltNS=+271.2
ESW=-6.192 -5.712 -1.253
T123=9.3 10.4 11.8
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fwAVG=4.32
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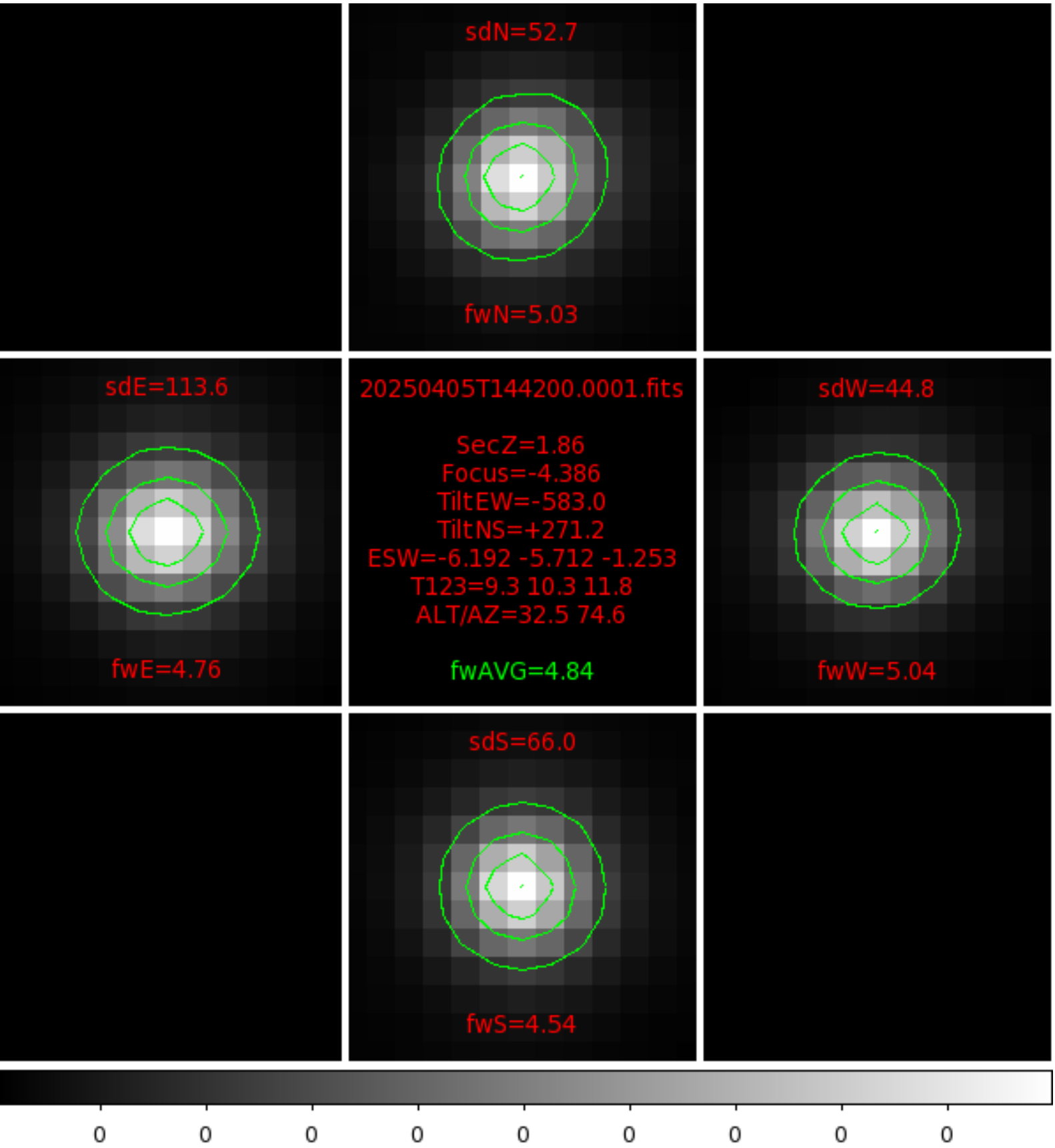
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SecZ=1.86
Focus=-4.386
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TiltNS=+271.2
ESW=-6.192 -5.712 -1.253
T123=9.3 10.3 11.8
ALT/AZ=32.5 74.6
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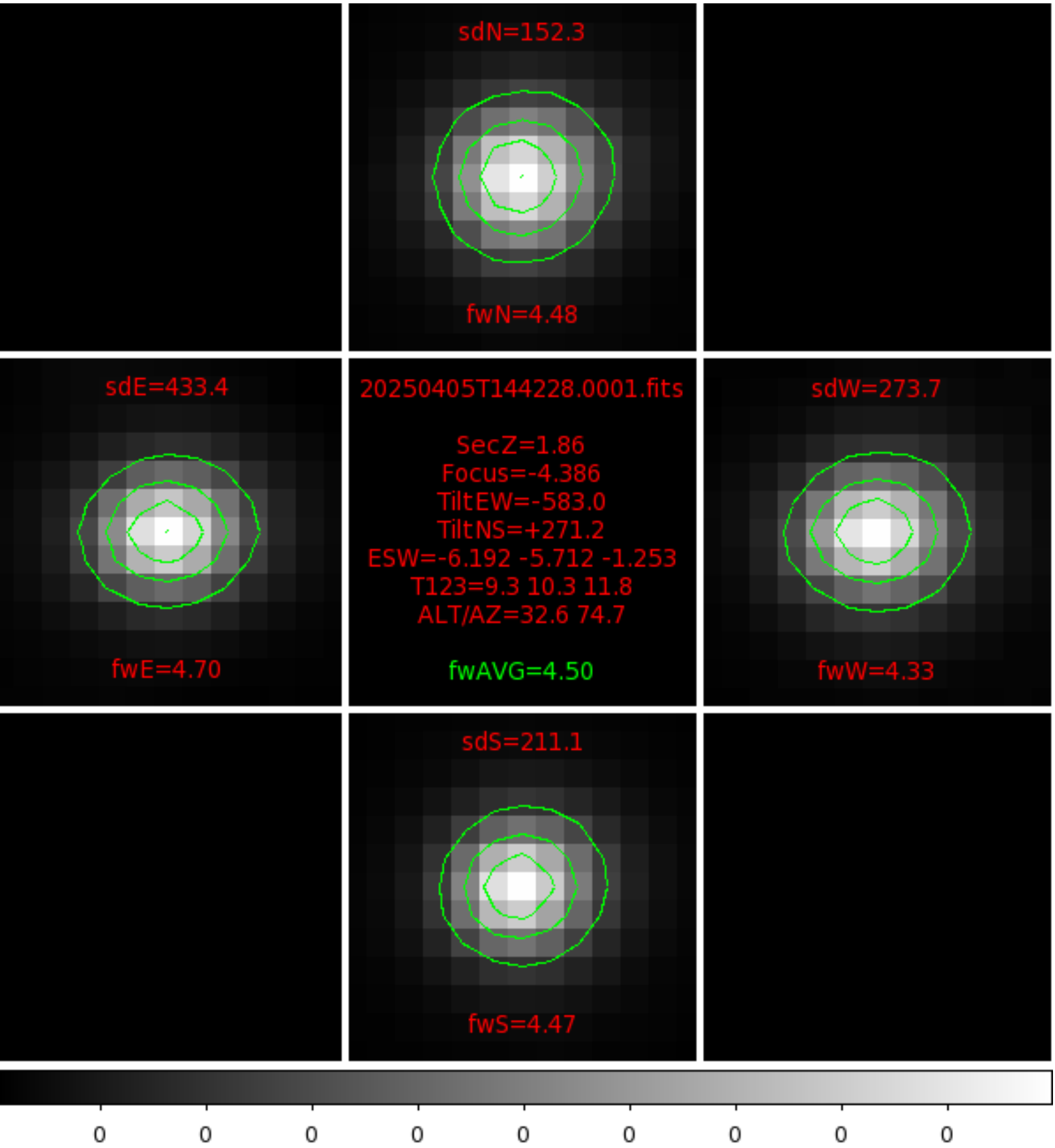
sdN=152.3
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SecZ=1.86
Focus=-4.386
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TiltNS=+271.2
ESW=-6.192 -5.712 -1.253
T123=9.3 10.3 11.8
ALT/AZ=32.6 74.7
fwAVG=4.50
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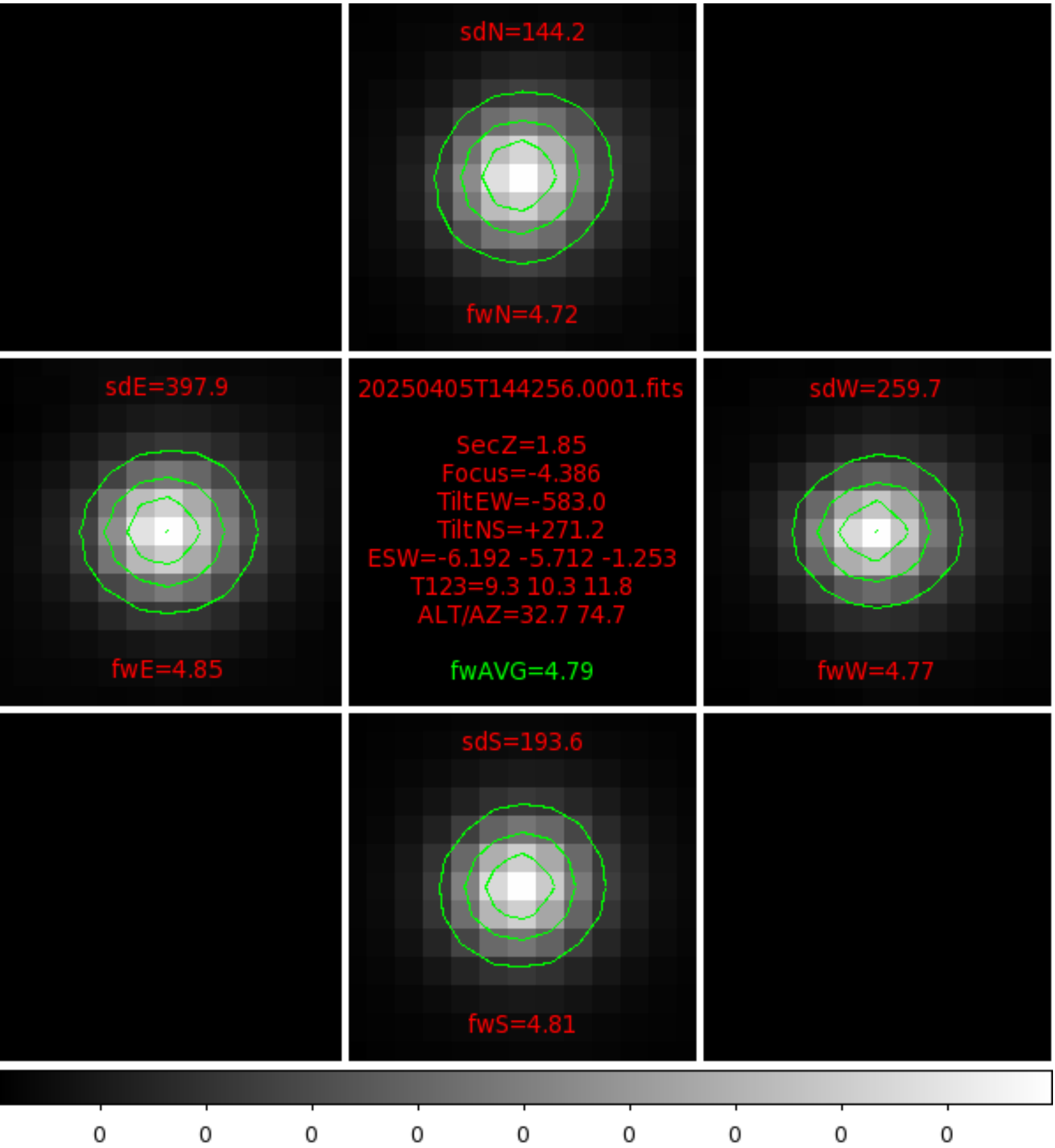
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ESW=-6.192 -5.712 -1.253
T123=9.3 10.3 11.8
ALT/AZ=32.7 74.7
fwAVG=4.79
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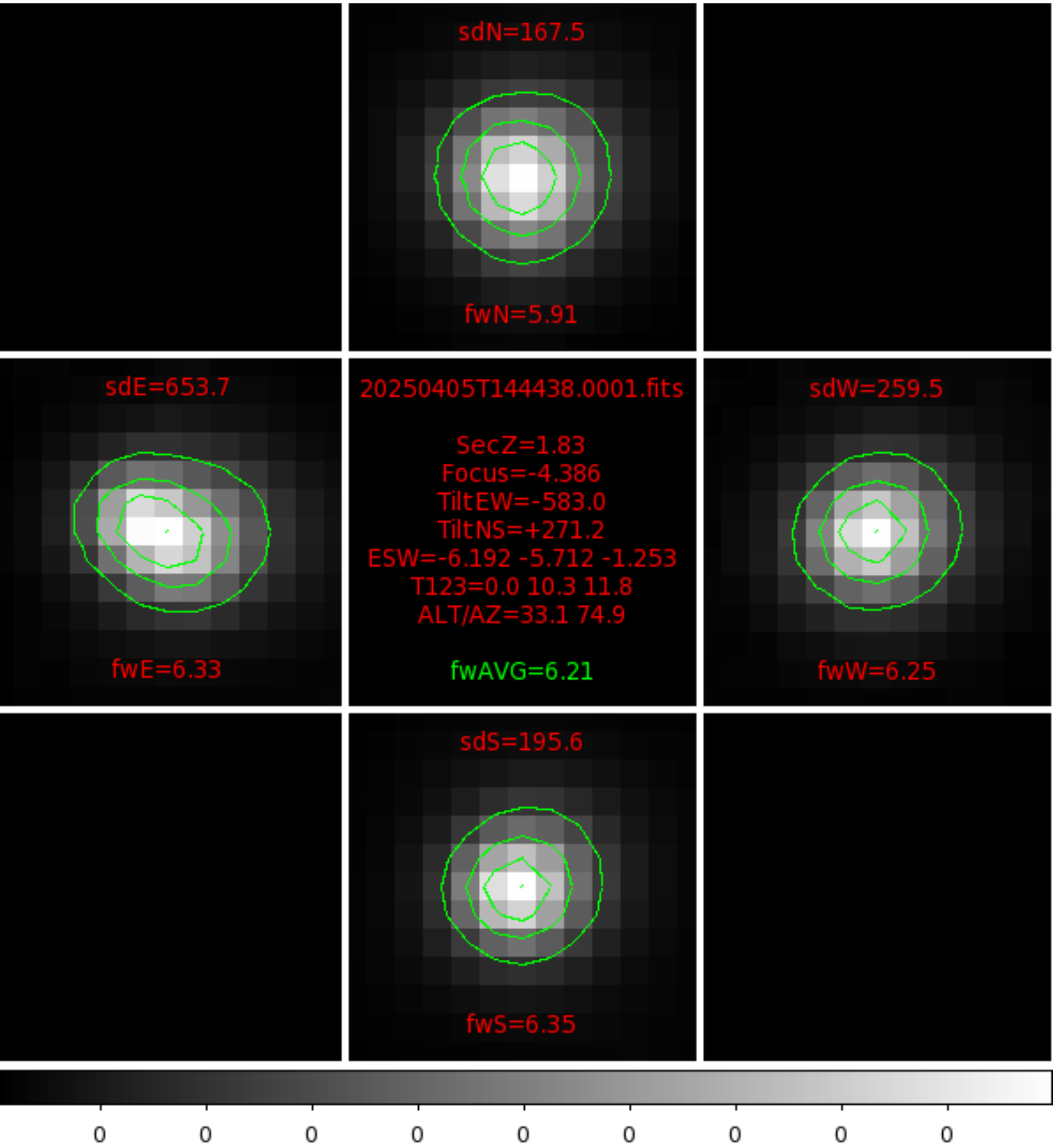
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Focus=-4.386
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.192 -5.712 -1.253
T123=0.0 10.3 11.8
ALT/AZ=33.1 74.9
fwAVG=6.21
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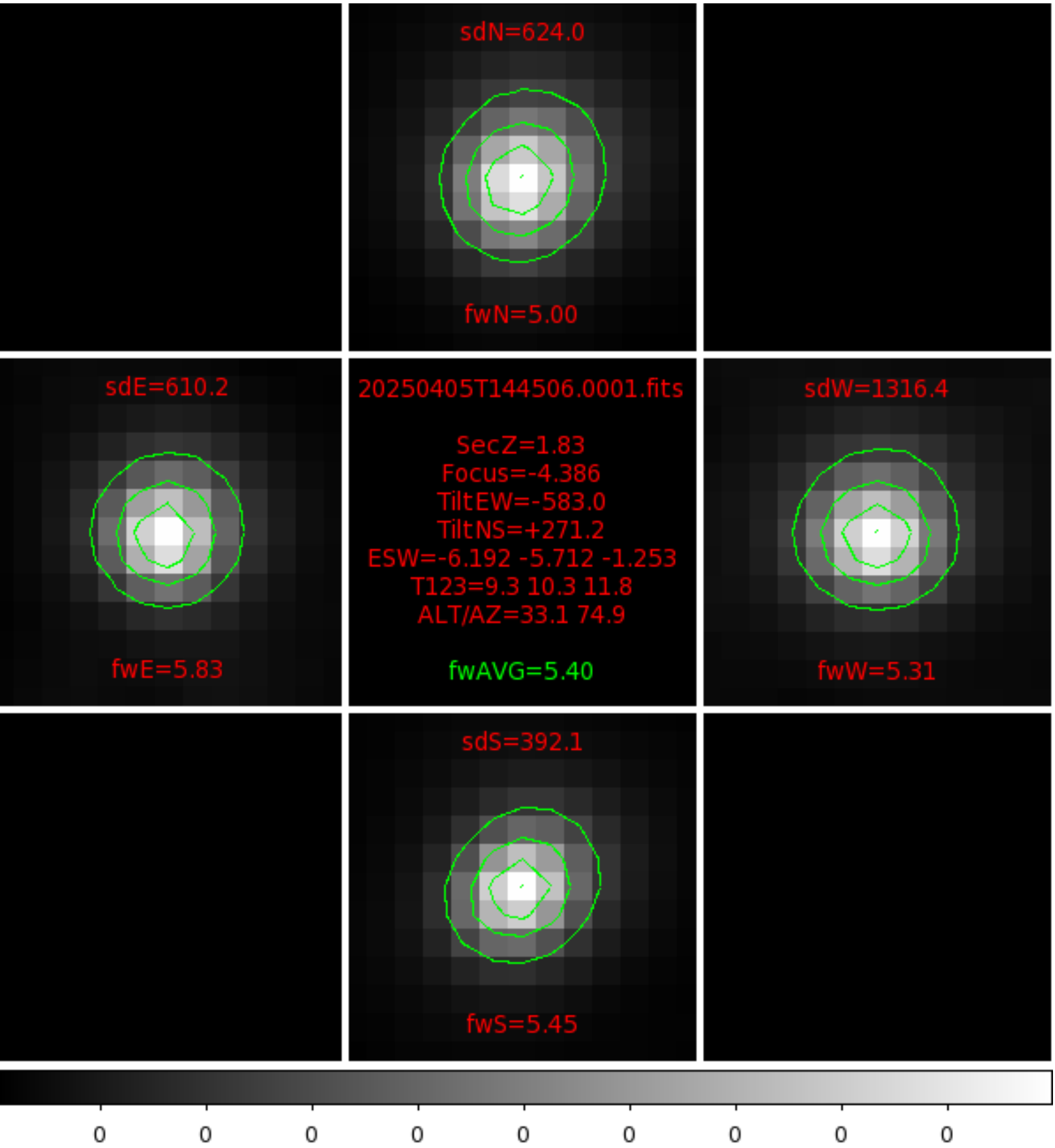
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fwE=5.83
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SecZ=1.83
Focus=-4.386
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.192 -5.712 -1.253
T123=9.3 10.3 11.8
ALT/AZ=33.1 74.9
fwAVG=5.40
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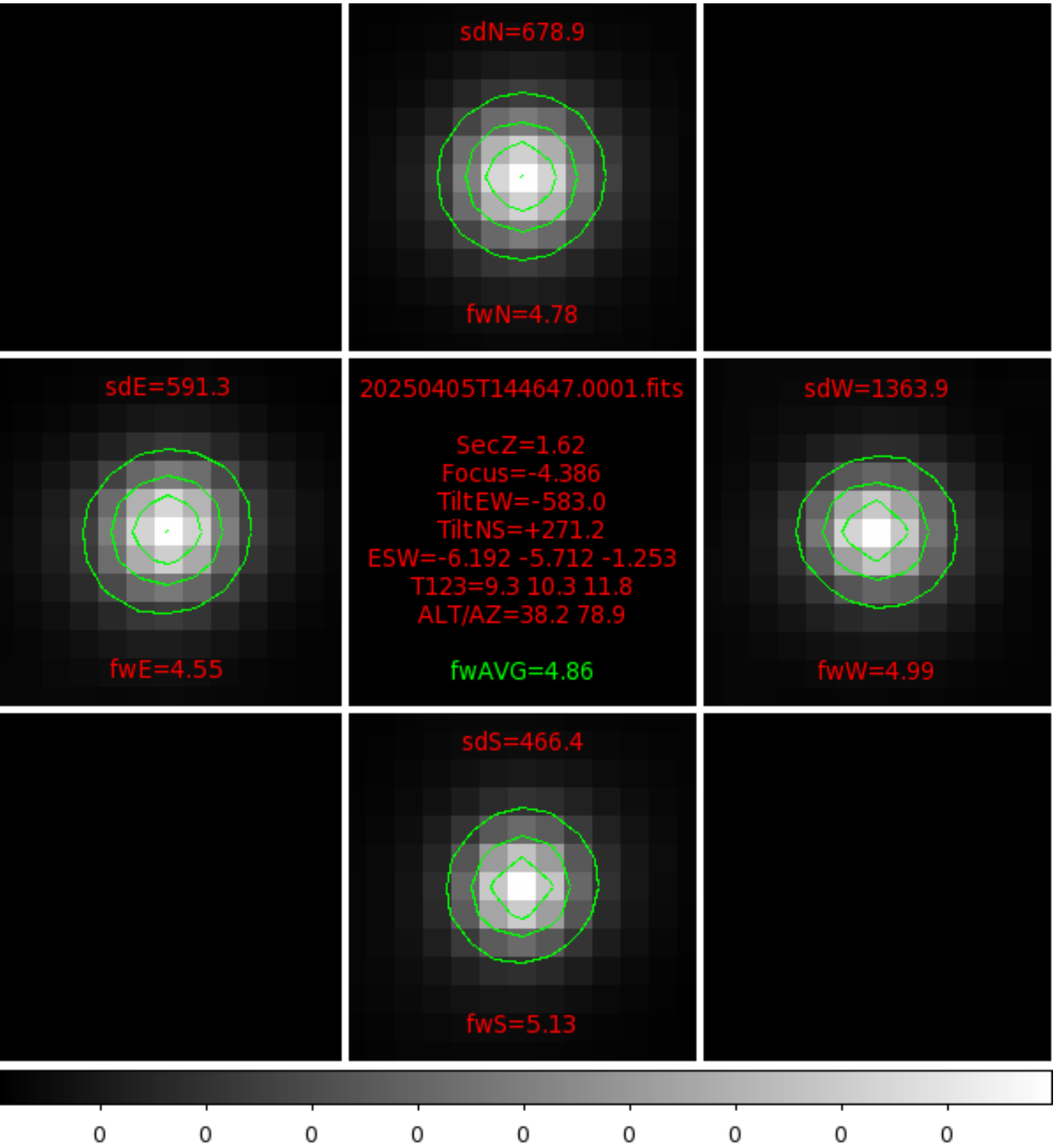
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SecZ=1.62
Focus=-4.386
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ESW=-6.192 -5.712 -1.253
T123=9.3 10.3 11.8
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fwAVG=4.86
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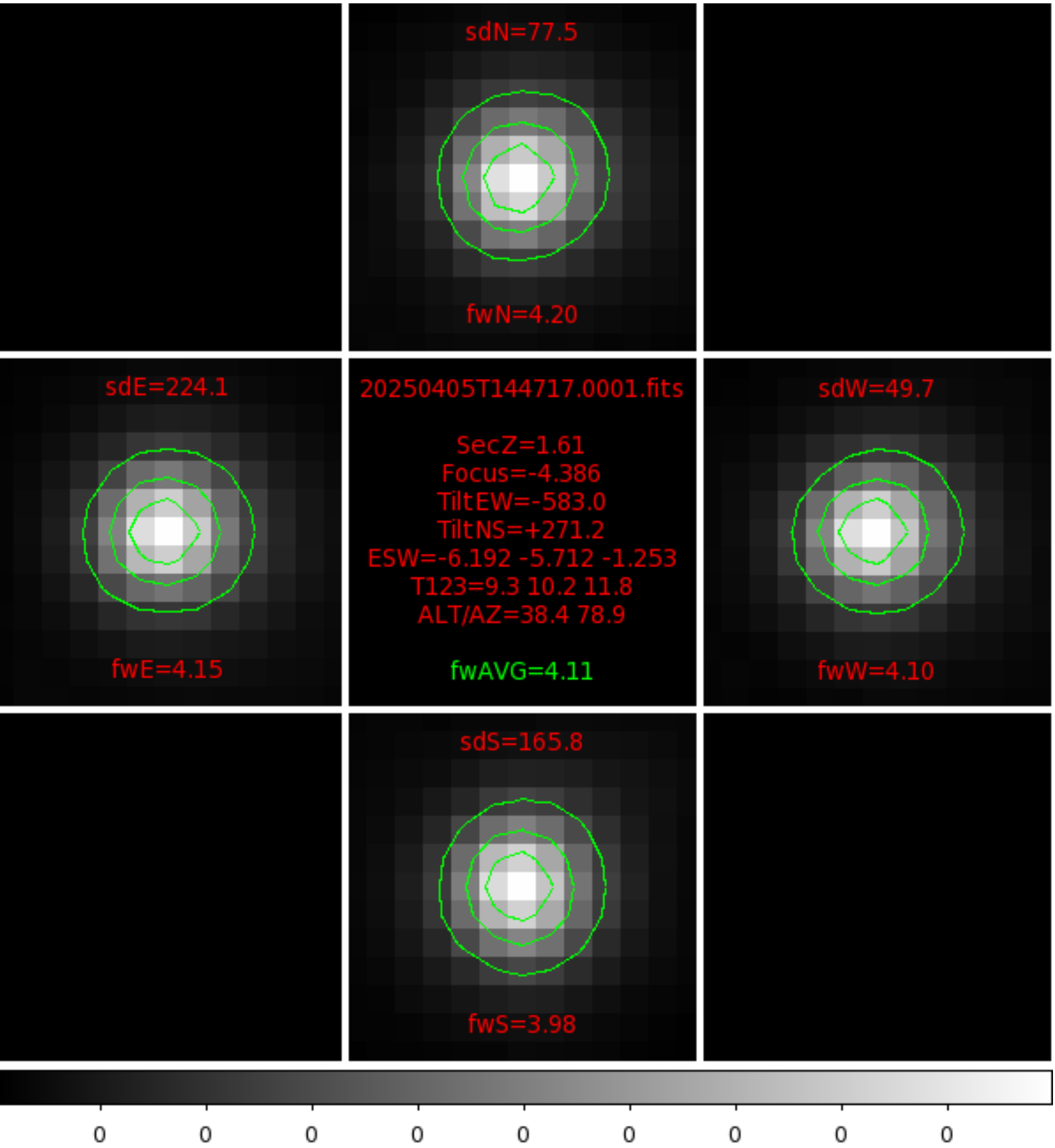
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TiltNS=+271.2
ESW=-6.192 -5.712 -1.253
T123=9.3 10.2 11.8
ALT/AZ=38.4 78.9
fwAVG=4.11
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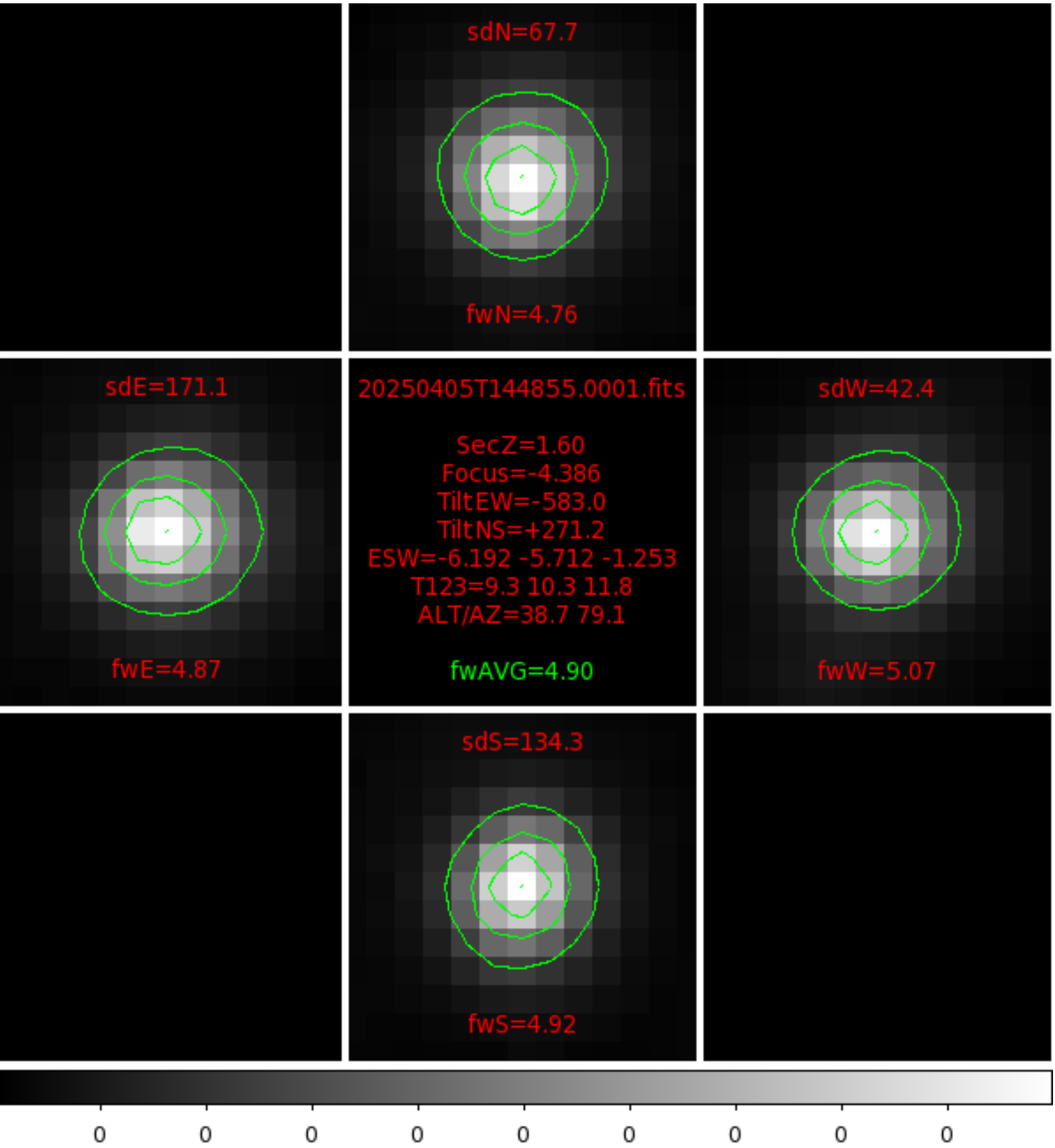
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.192 -5.712 -1.253
T123=9.3 10.3 11.8
ALT/AZ=38.7 79.1
fwAVG=4.90
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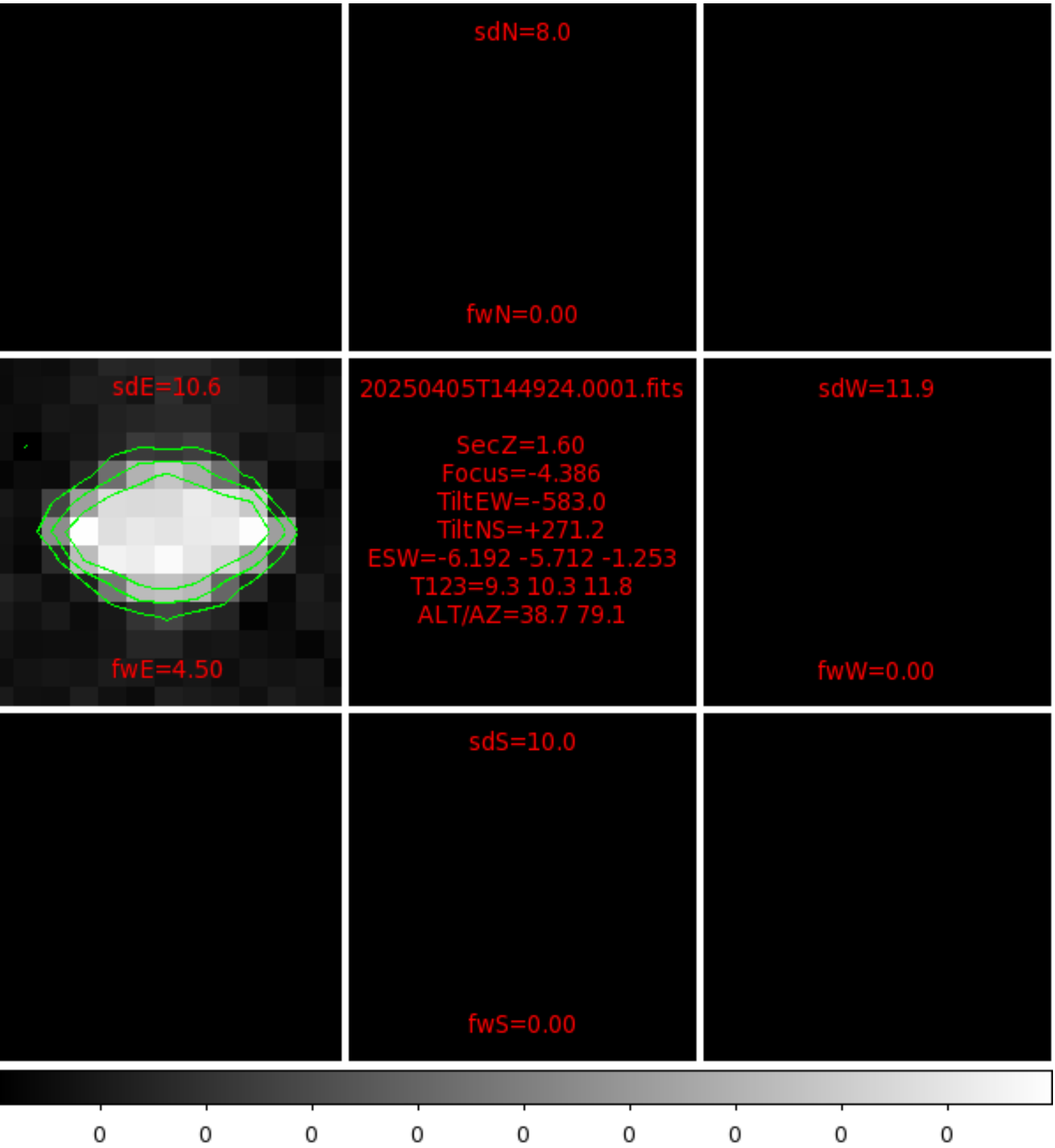
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T123=9.3 10.3 11.8
ALT/AZ=38.7 79.1
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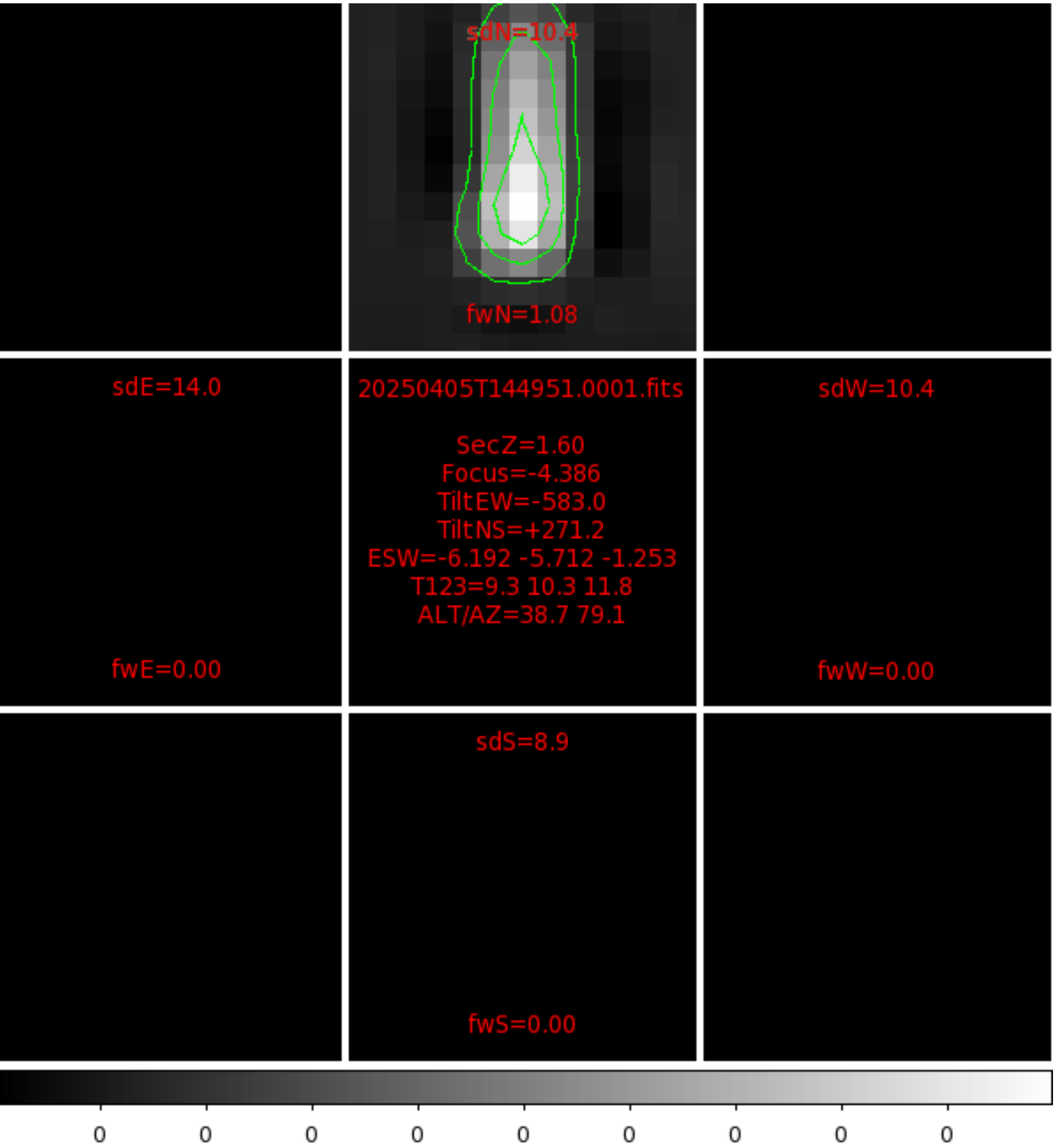
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Focus=-4.386
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TiltNS=+271.2
ESW=-6.192 -5.712 -1.253
T123=9.3 10.3 11.8
ALT/AZ=38.7 79.1
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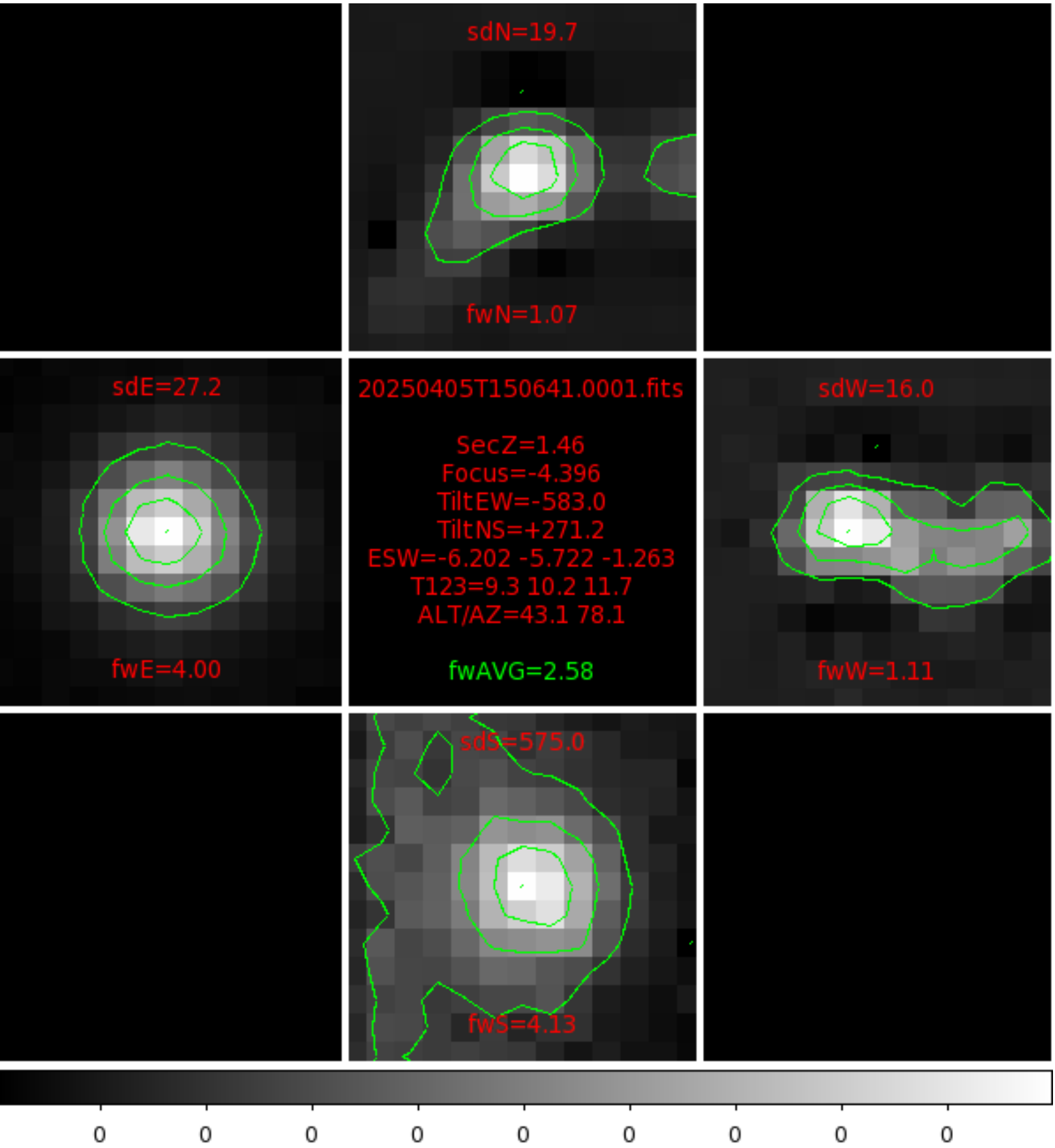
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sdE=27.2
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20250405T150641.0001.fits
SecZ=1.46
Focus=-4.396
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.202 -5.722 -1.263
T123=9.3 10.2 11.7
ALT/AZ=43.1 78.1
fwAVG=2.58
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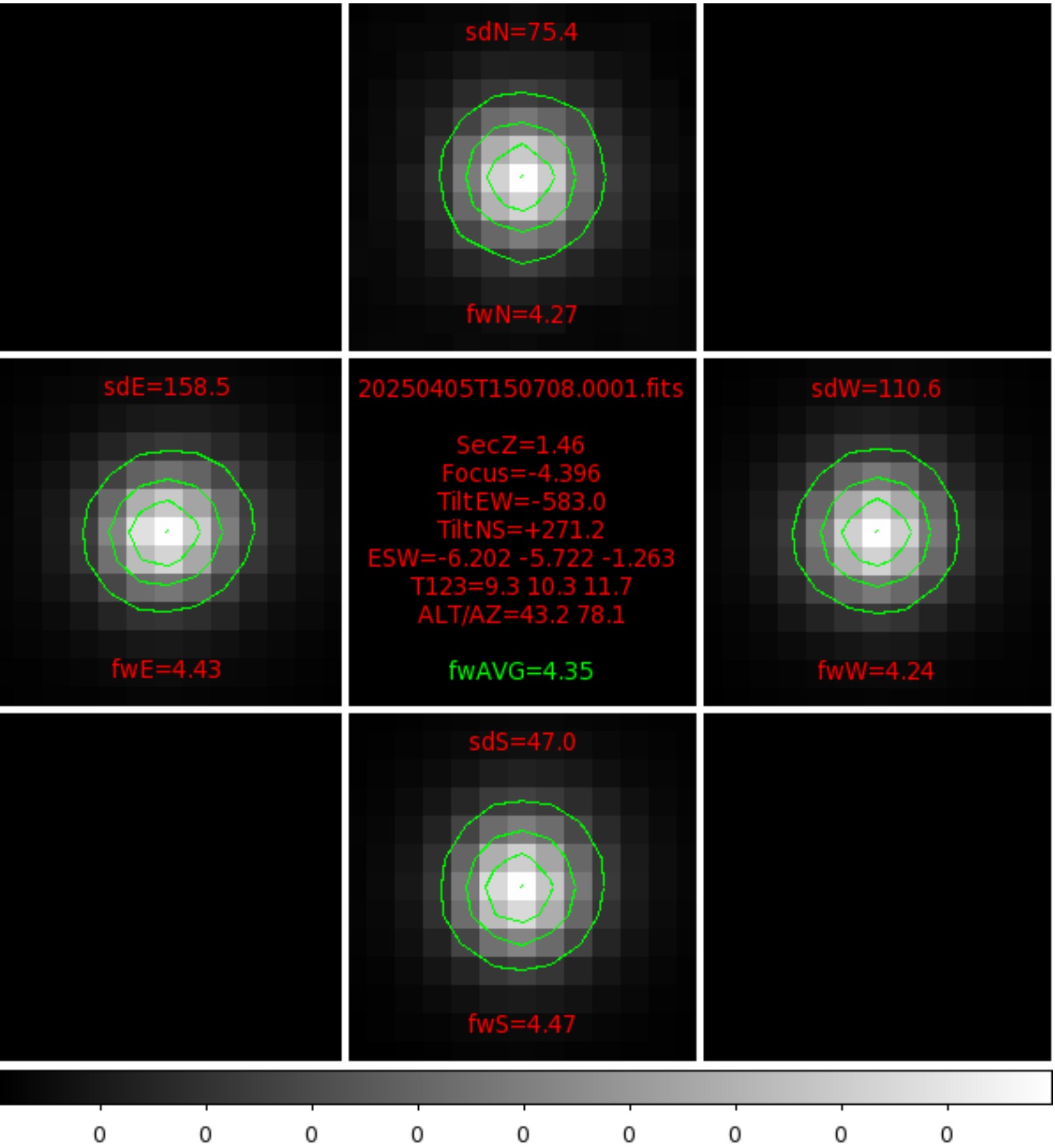
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sdE=158.5
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SecZ=1.46
Focus=-4.396
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.202 -5.722 -1.263
T123=9.3 10.3 11.7
ALT/AZ=43.2 78.1
fwAVG=4.35
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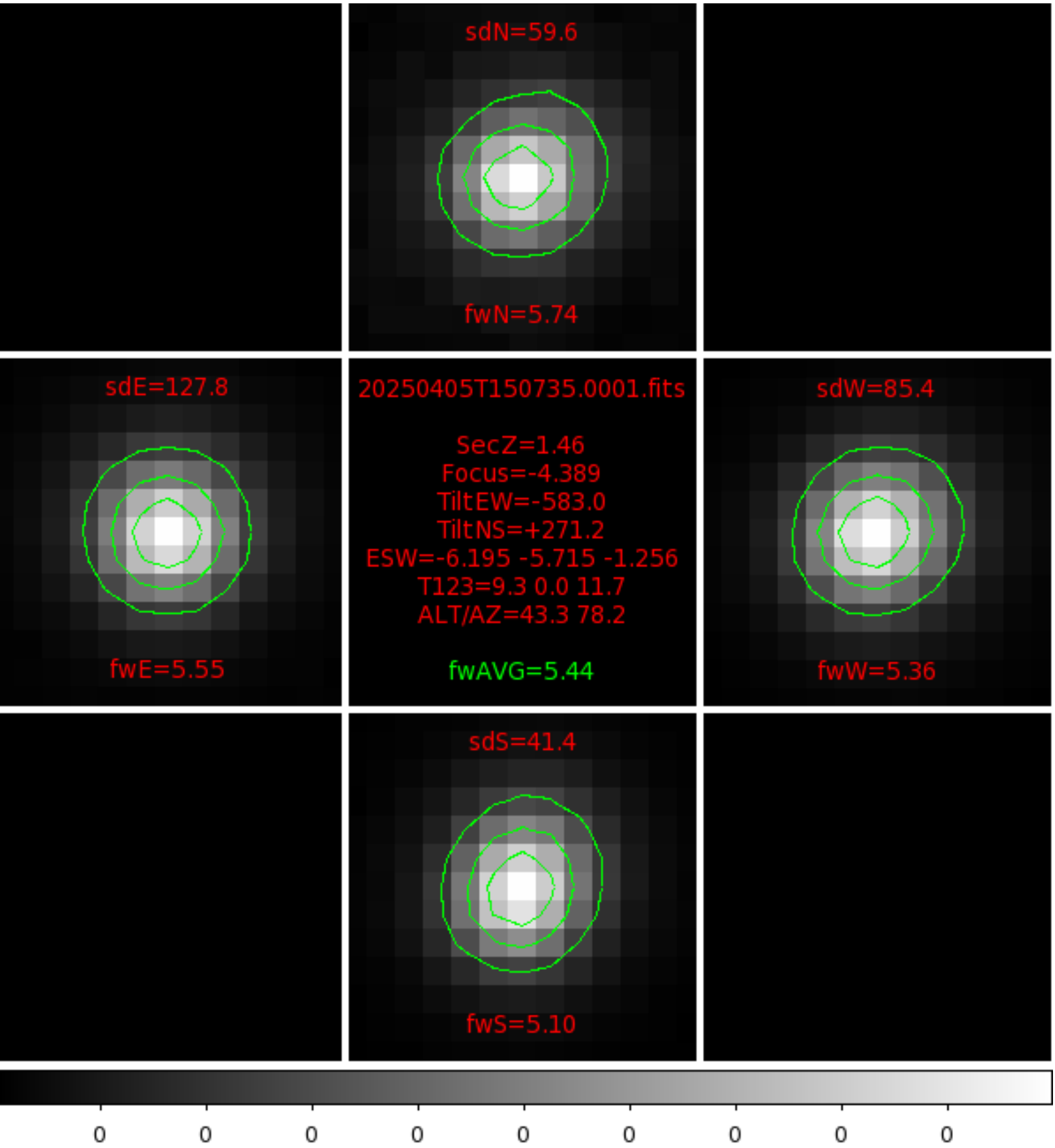
sdN=59.6
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sdE=127.8
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SecZ=1.46
Focus=-4.389
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.195 -5.715 -1.256
T123=9.3 0.0 11.7
ALT/AZ=43.3 78.2
fwAVG=5.44
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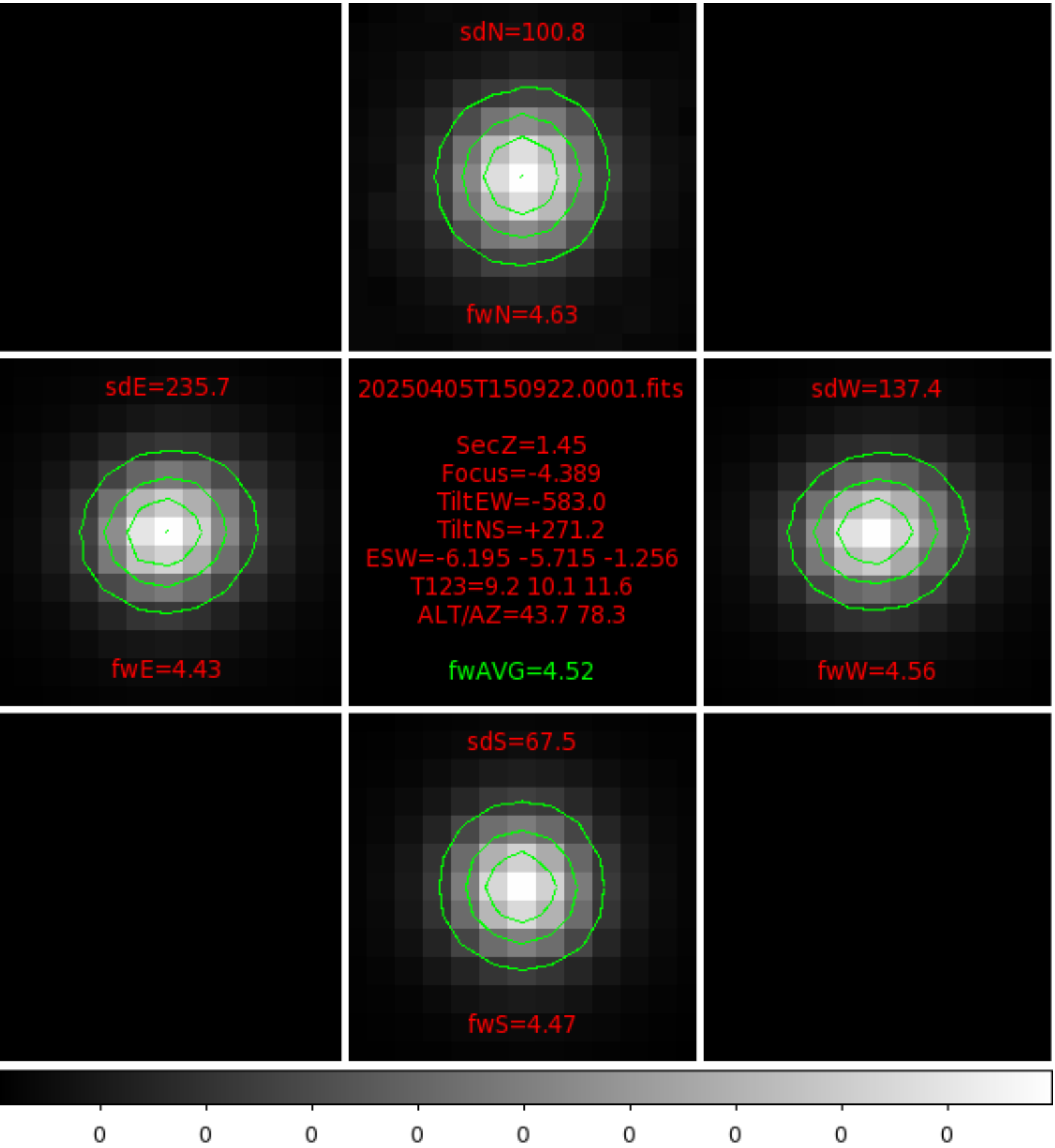
sdN=100.8
fwN=4.63
sdE=235.7
fwE=4.43
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SecZ=1.45
Focus=-4.389
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.195 -5.715 -1.256
T123=9.2 10.1 11.6
ALT/AZ=43.7 78.3
fwAVG=4.52
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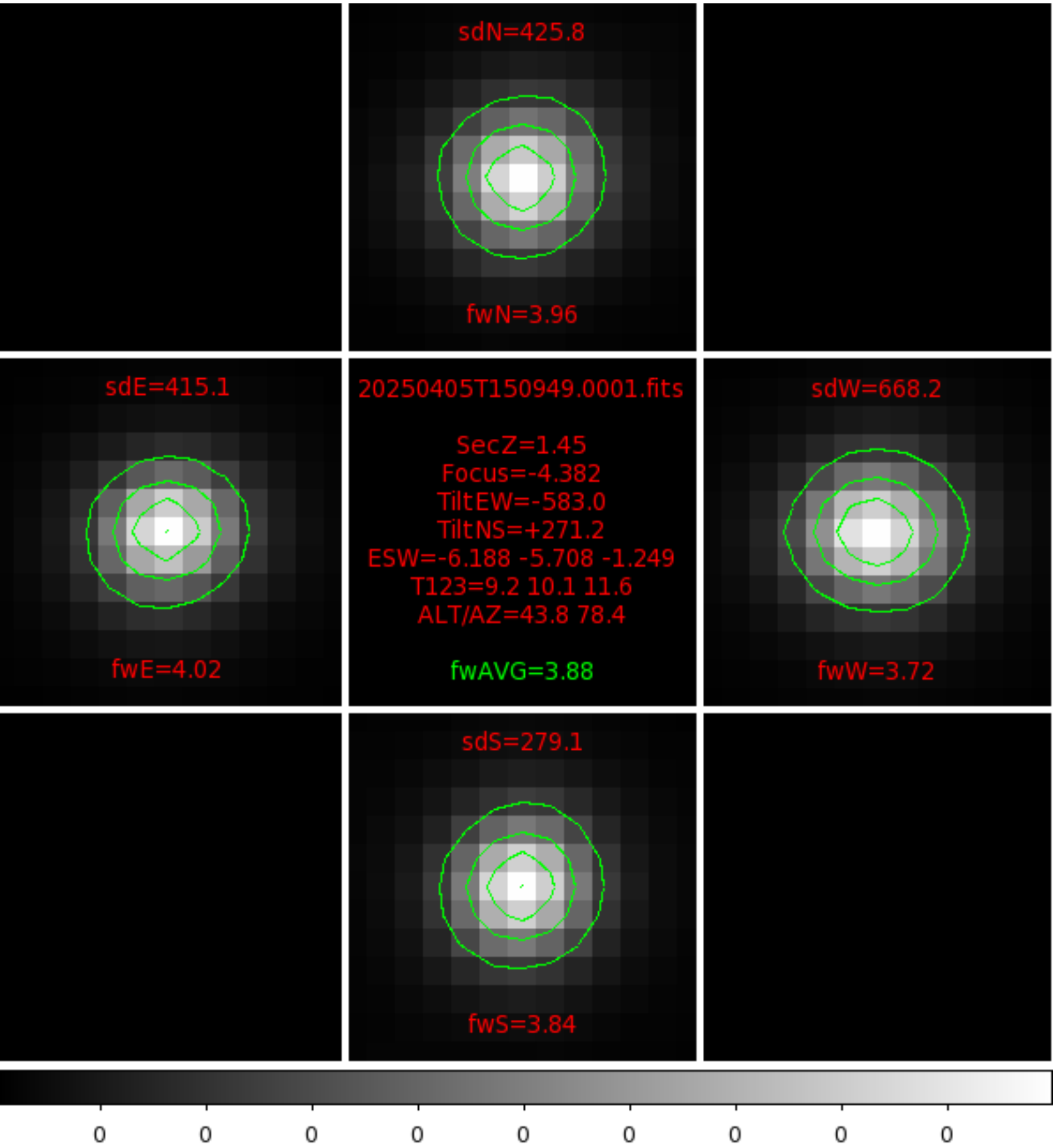
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sdE=415.1
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20250405T150949.0001.fits
SecZ=1.45
Focus=-4.382
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.188 -5.708 -1.249
T123=9.2 10.1 11.6
ALT/AZ=43.8 78.4
fwAVG=3.88
sdW=668.2
fwW=3.72
sdS=279.1
fwS=3.84
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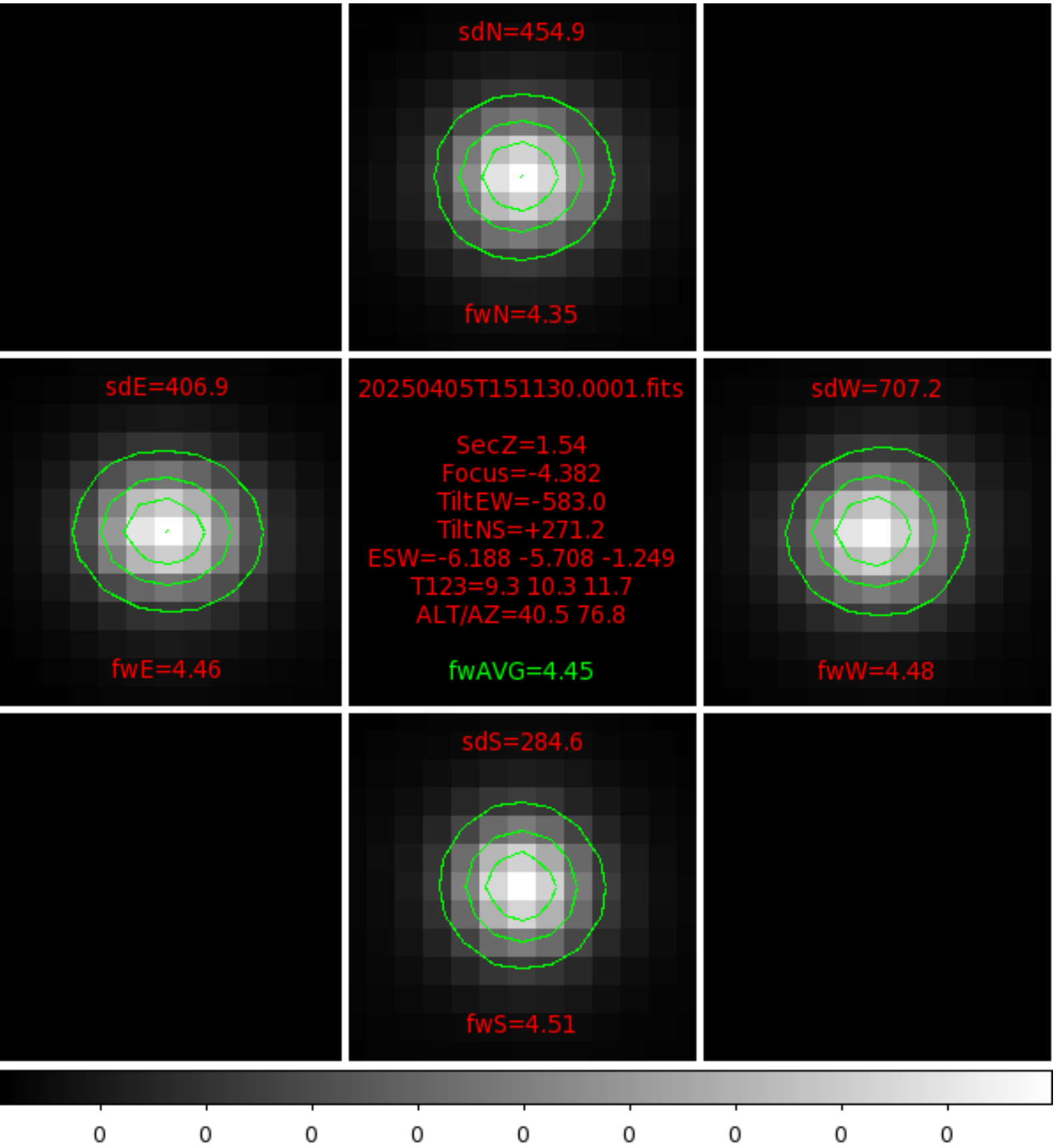
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T123=9.3 10.3 11.7
ALT/AZ=40.5 76.8
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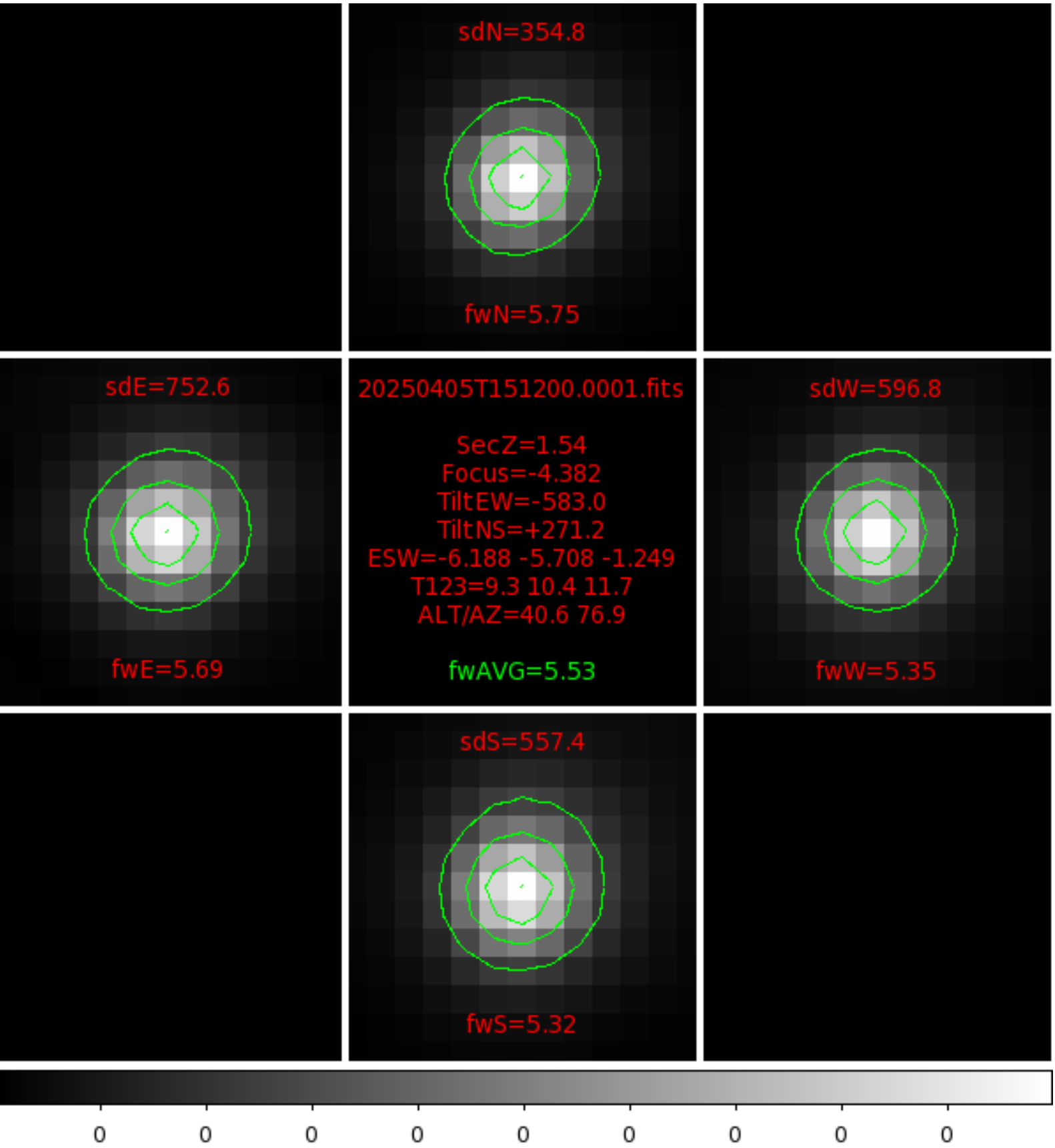
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ALT/AZ=40.6 76.9
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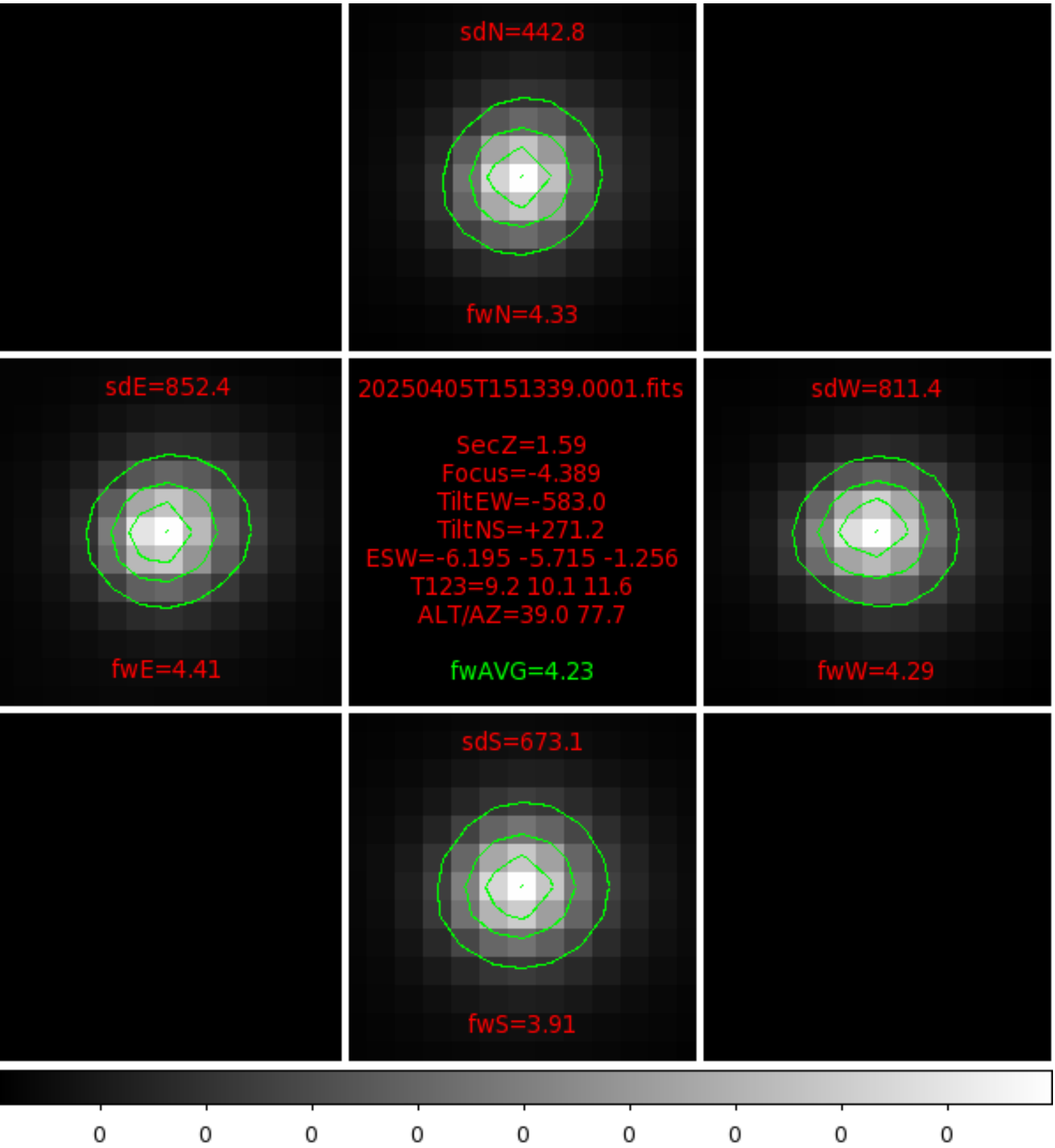
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T123=9.2 10.1 11.6
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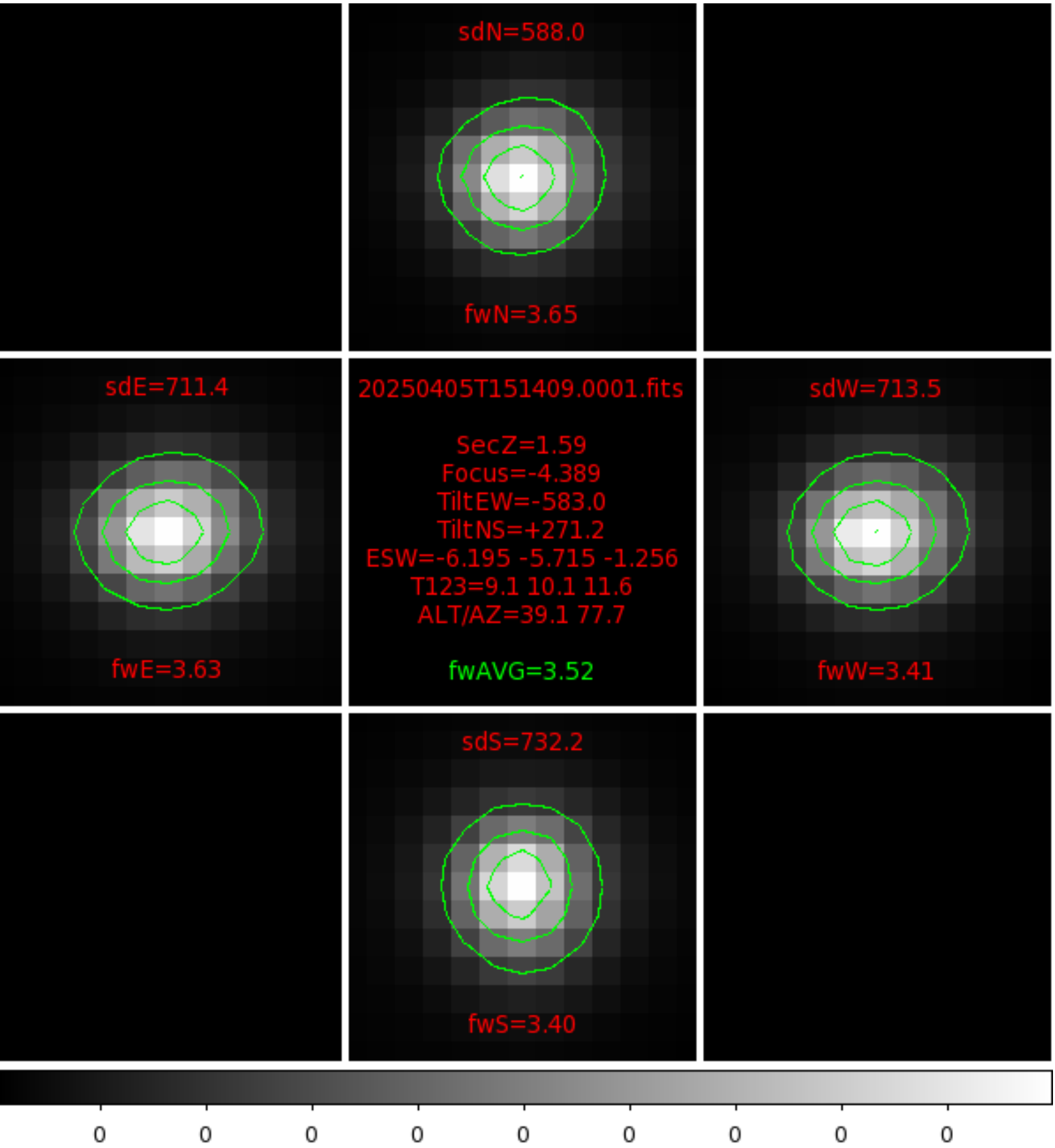
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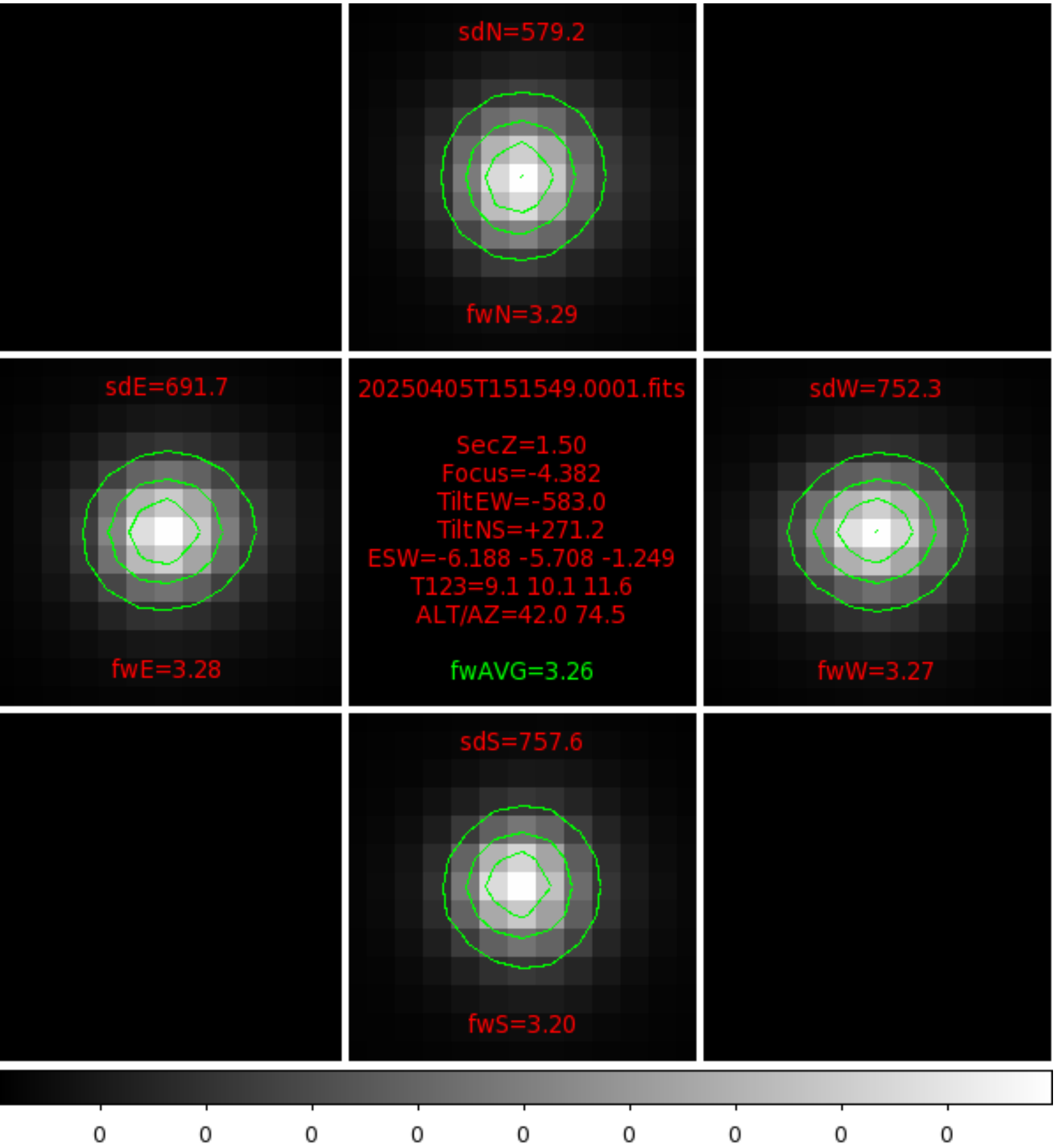
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Focus=-4.382
TiltEW=-583.0
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ESW=-6.188 -5.708 -1.249
T123=9.1 10.1 11.6
ALT/AZ=42.0 74.5
fwAVG=3.26
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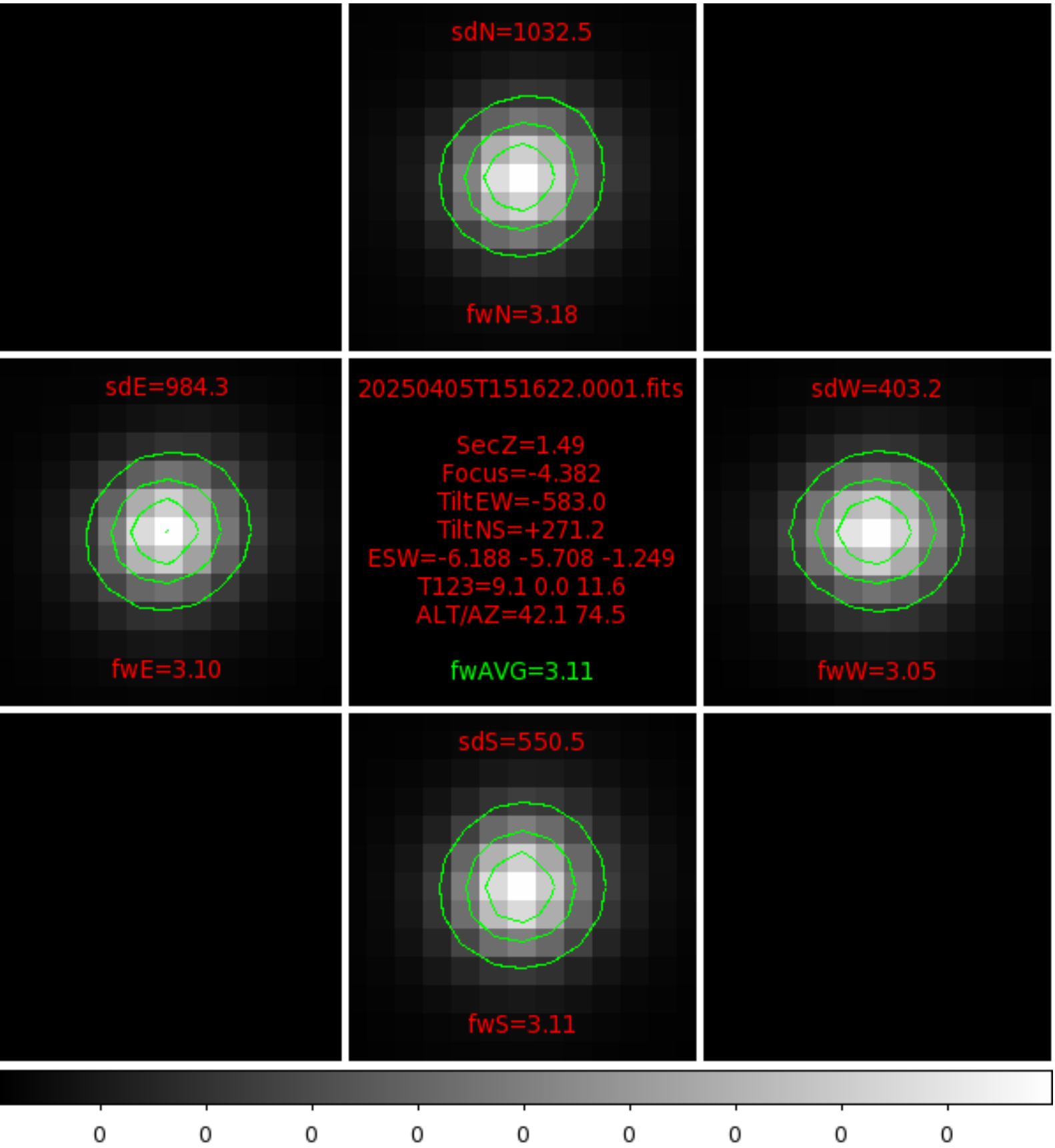
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Focus=-4.382
TiltEW=-583.0
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T123=9.1 0.0 11.6
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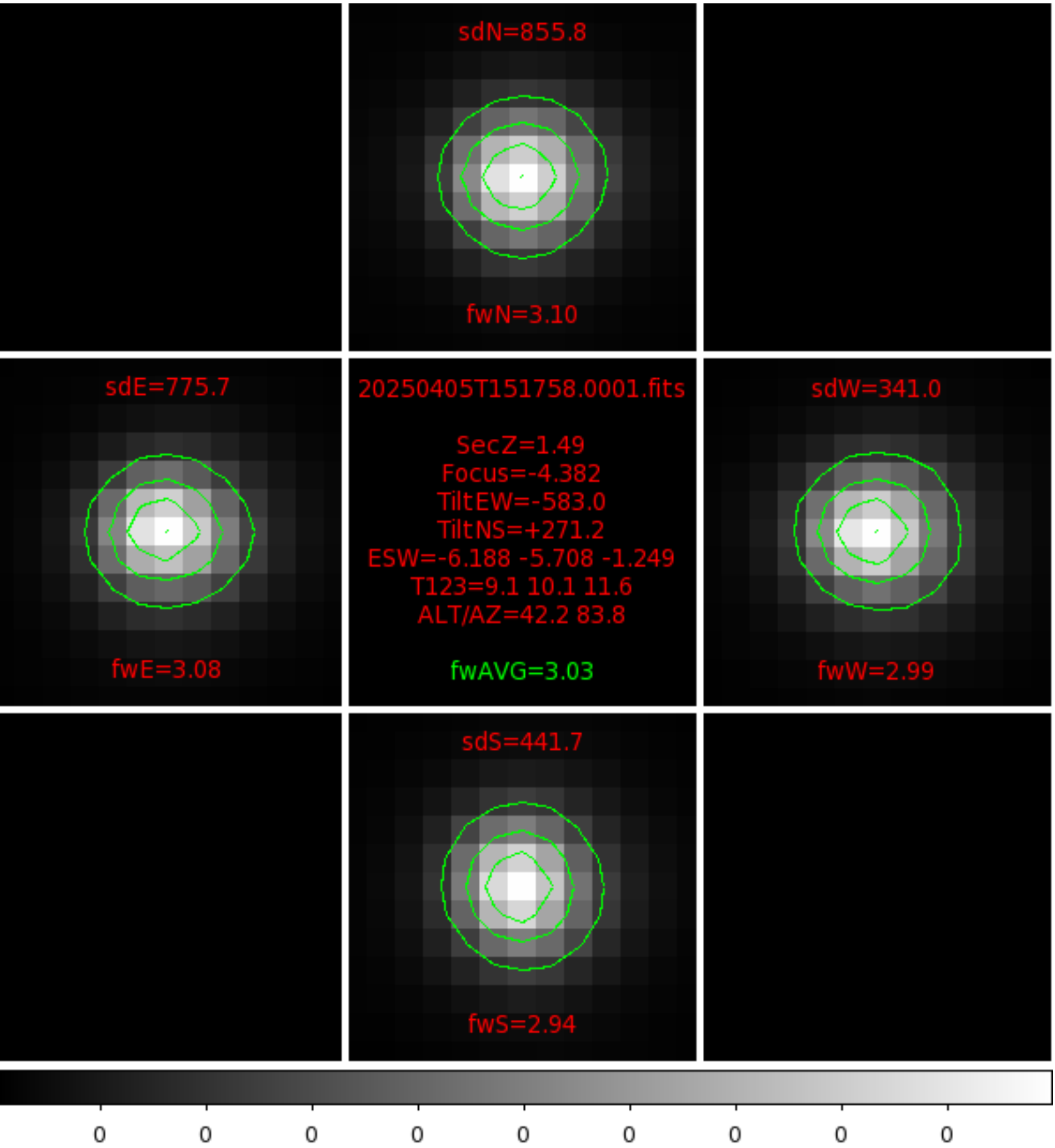
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.188 -5.708 -1.249
T123=9.1 10.1 11.6
ALT/AZ=42.2 83.8
fwAVG=3.03
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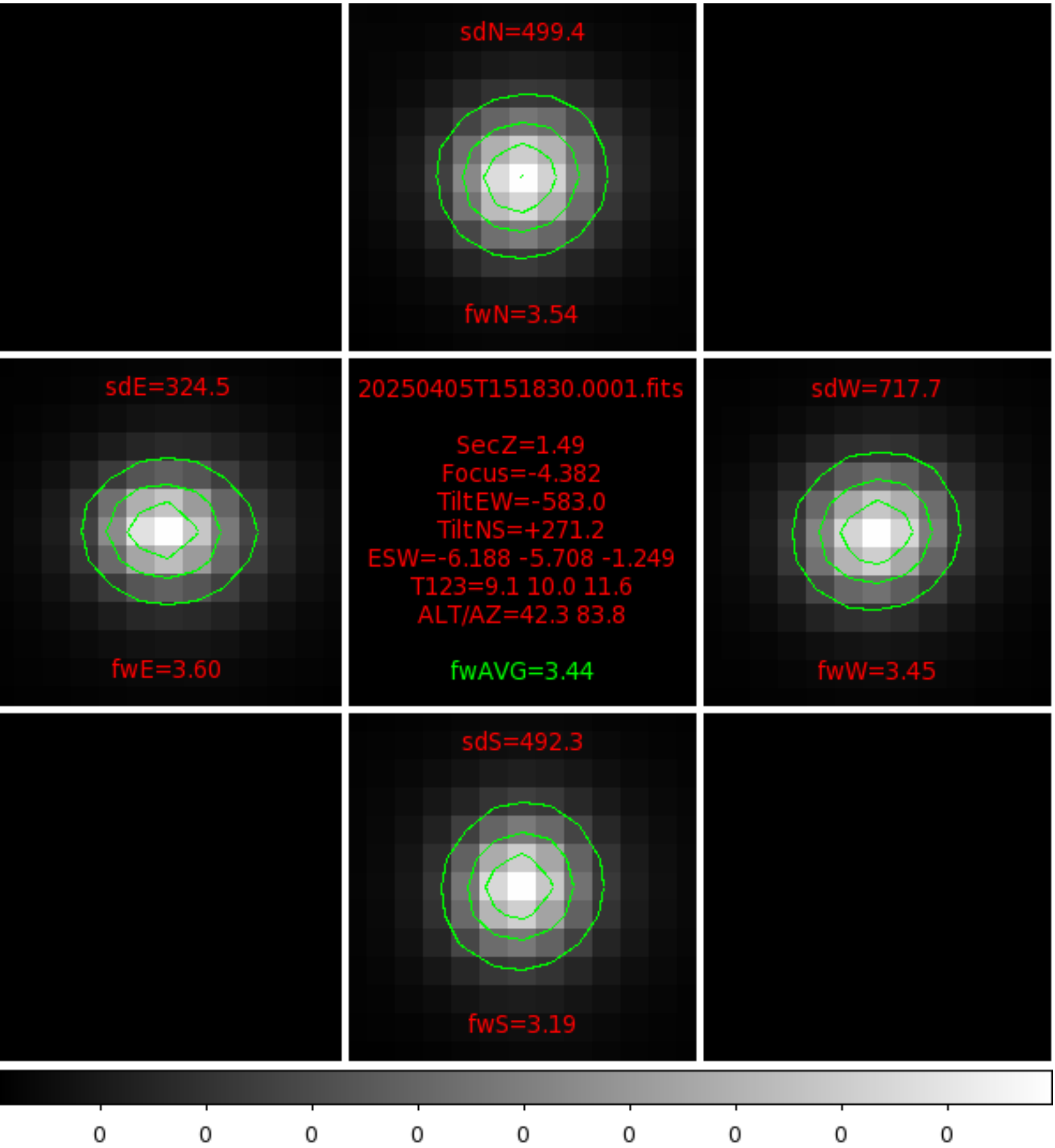
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TiltNS=+271.2
ESW=-6.188 -5.708 -1.249
T123=9.1 10.0 11.6
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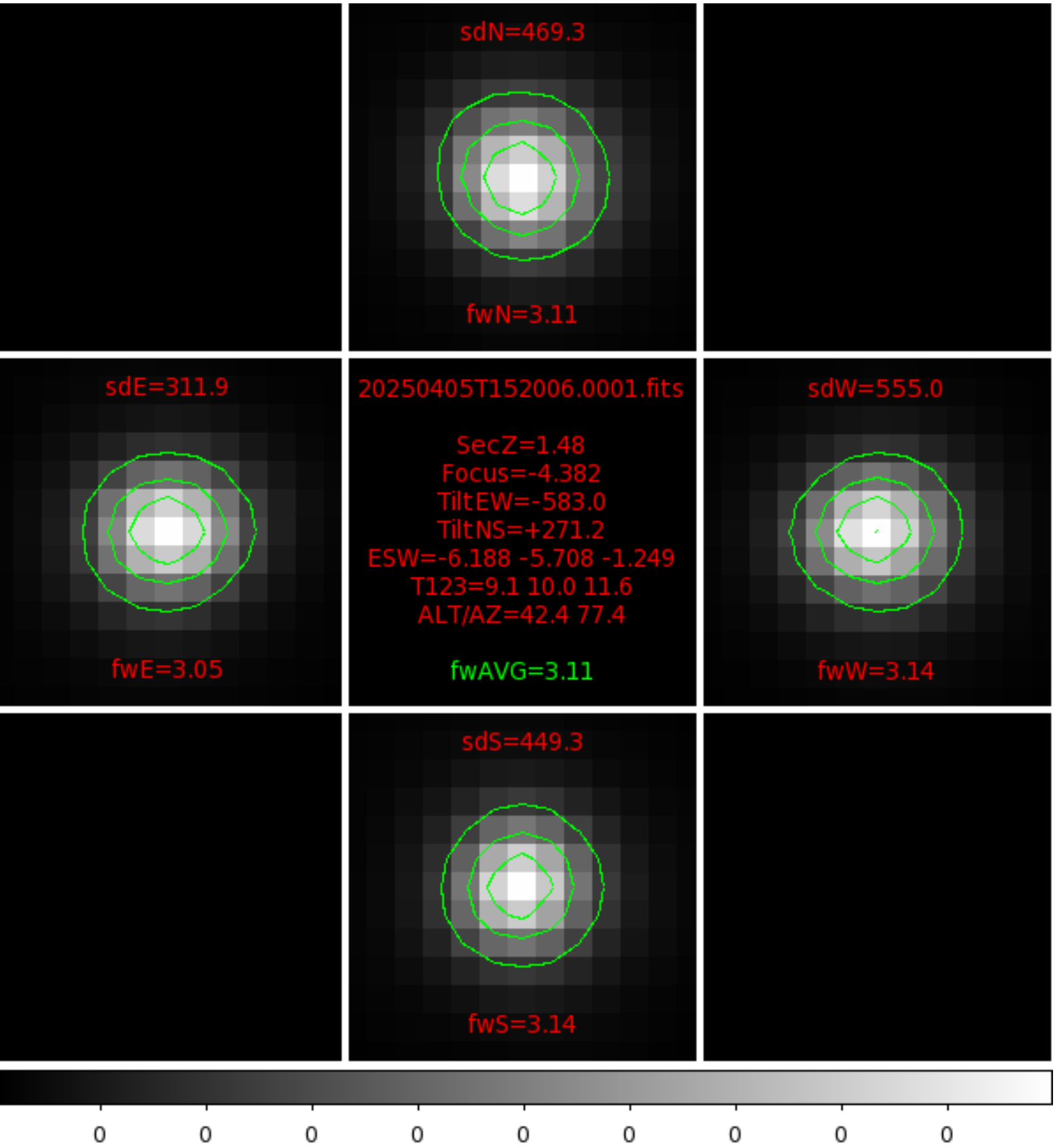
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.188 -5.708 -1.249
T123=9.1 10.0 11.6
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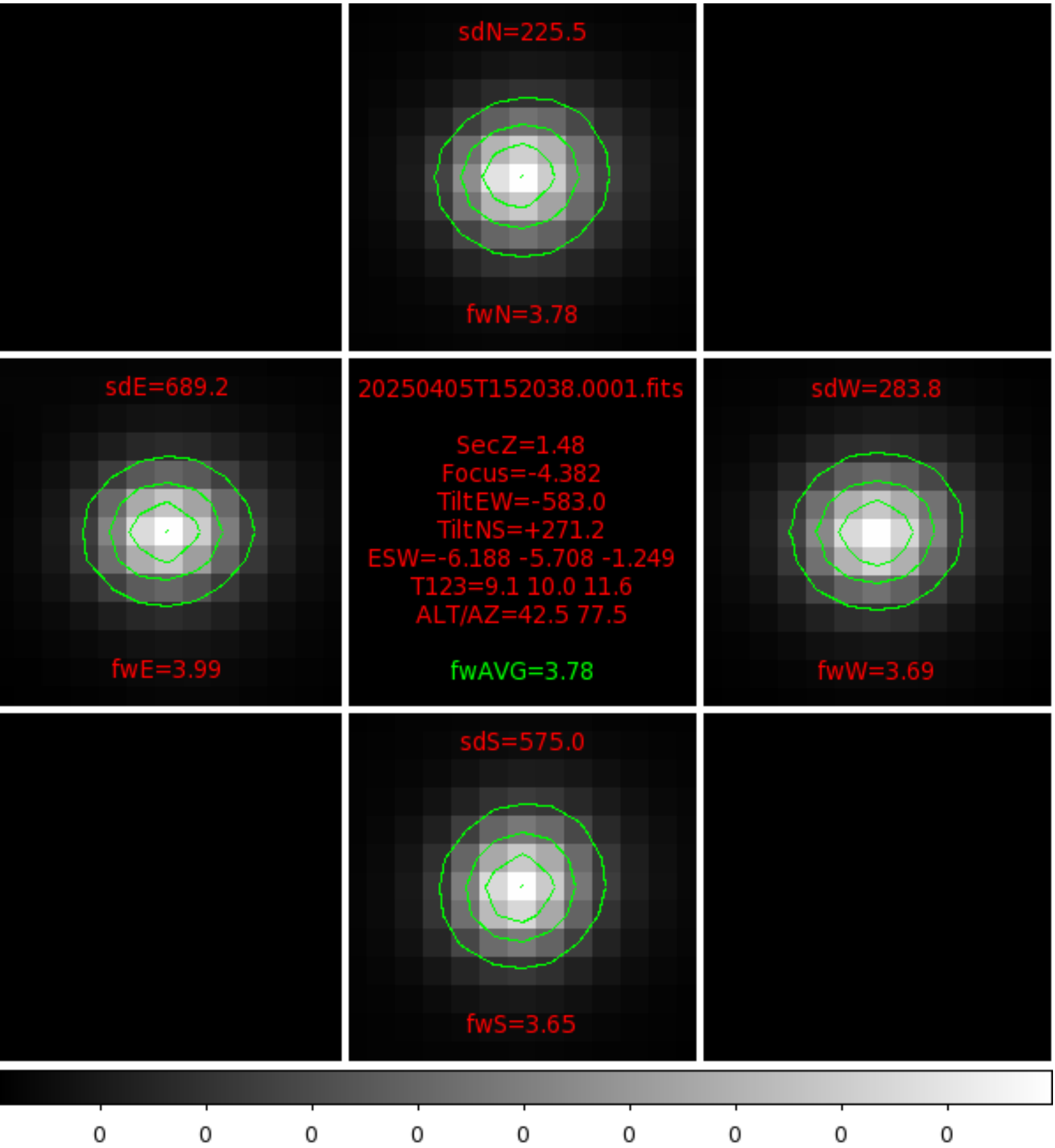
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SecZ=1.48
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ESW=-6.188 -5.708 -1.249
T123=9.1 10.0 11.6
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fwAVG=3.78
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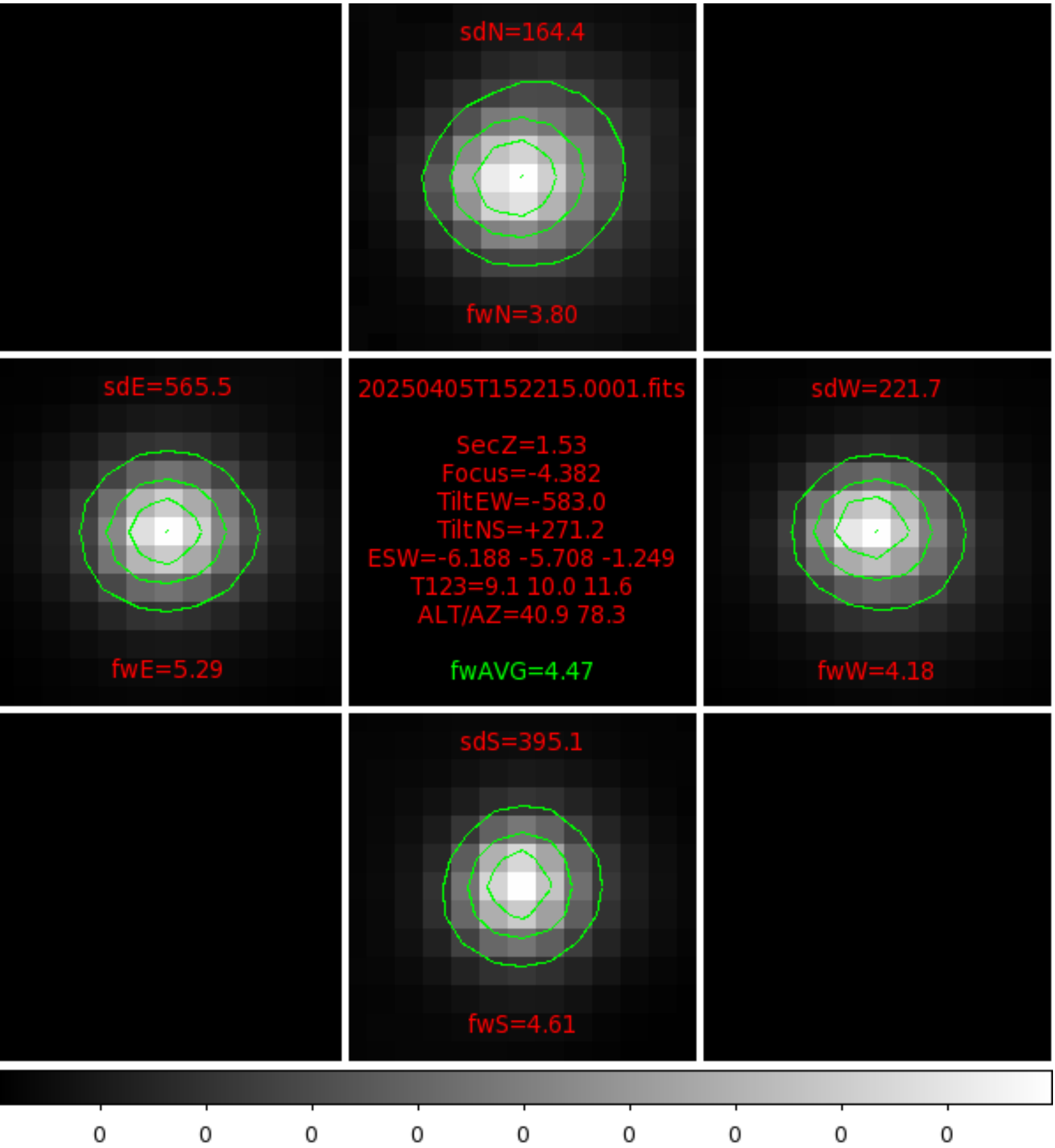
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.188 -5.708 -1.249
T123=9.1 10.0 11.6
ALT/AZ=40.9 78.3
fwAVG=4.47
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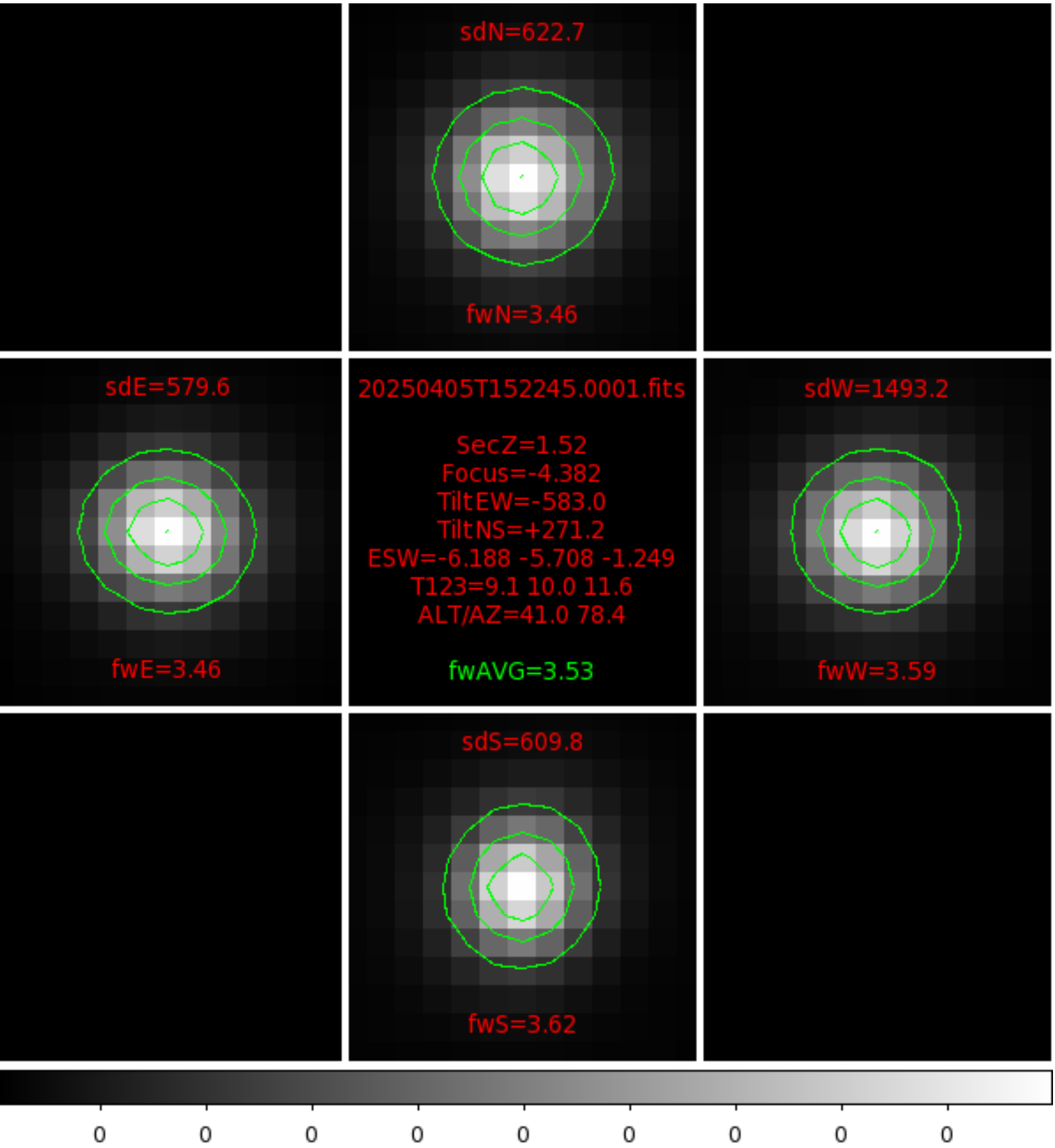
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ESW=-6.188 -5.708 -1.249
T123=9.1 10.0 11.6
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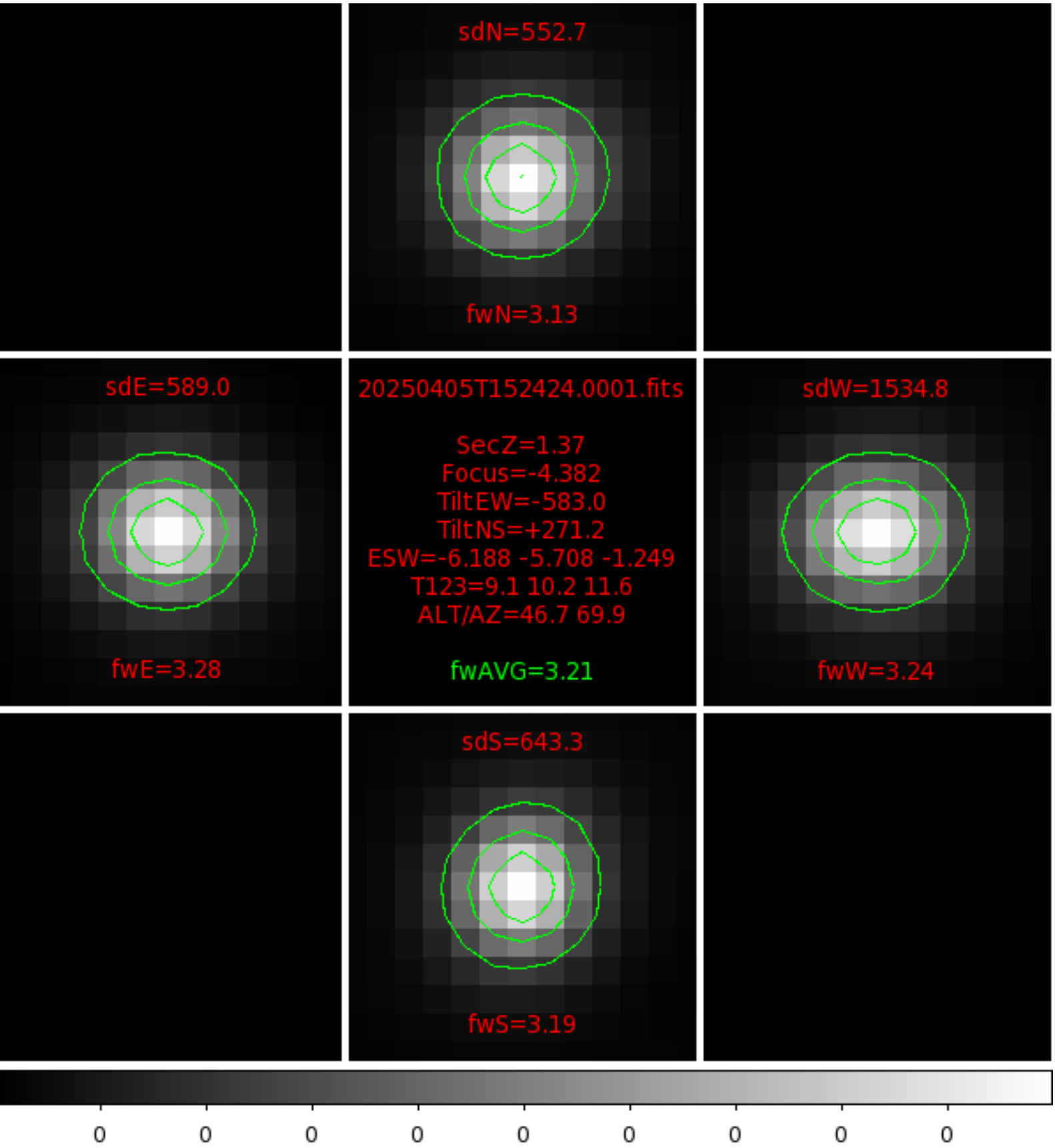
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T123=9.1 10.2 11.6
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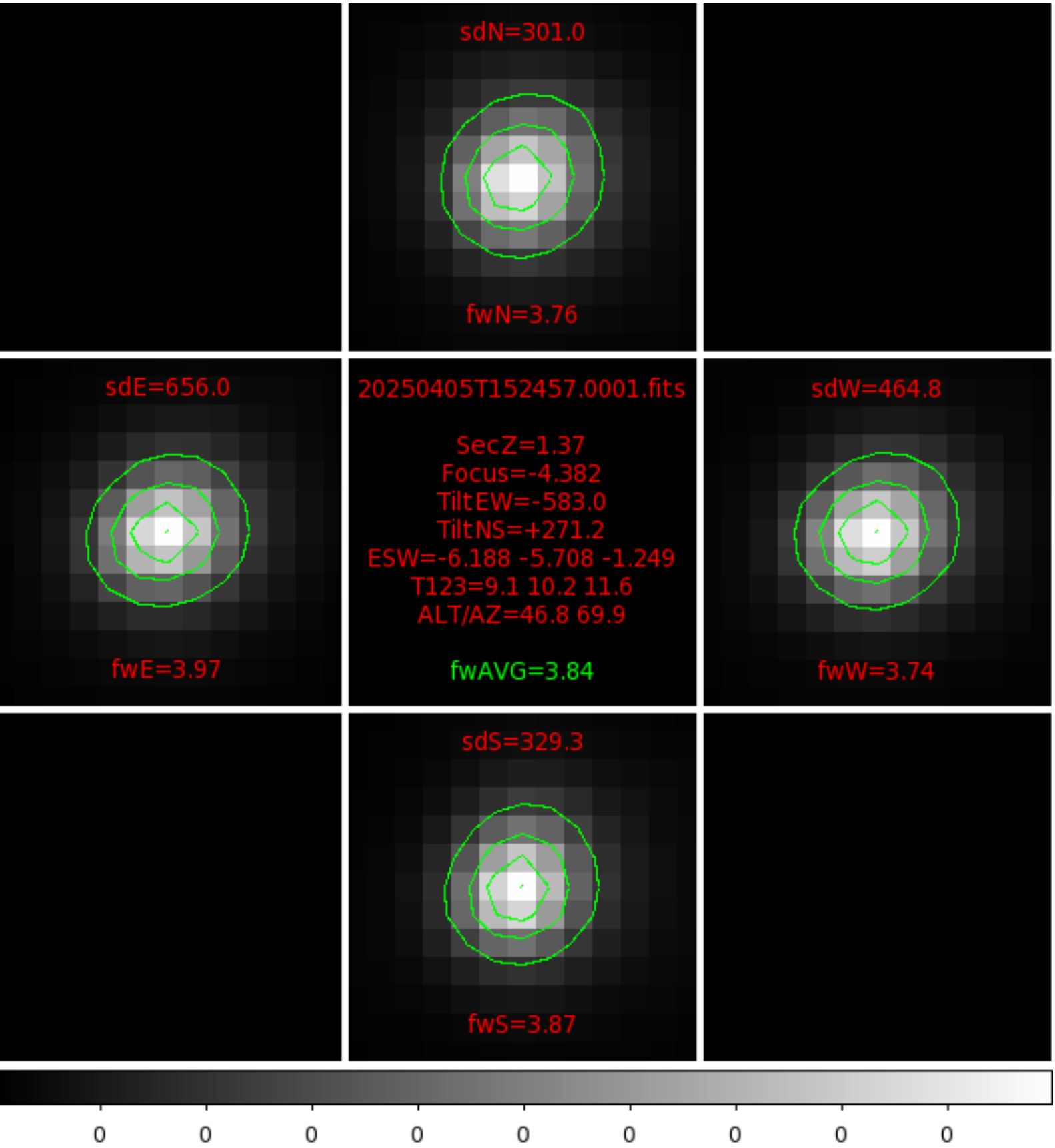
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TiltNS=+271.2
ESW=-6.188 -5.708 -1.249
T123=9.1 10.2 11.6
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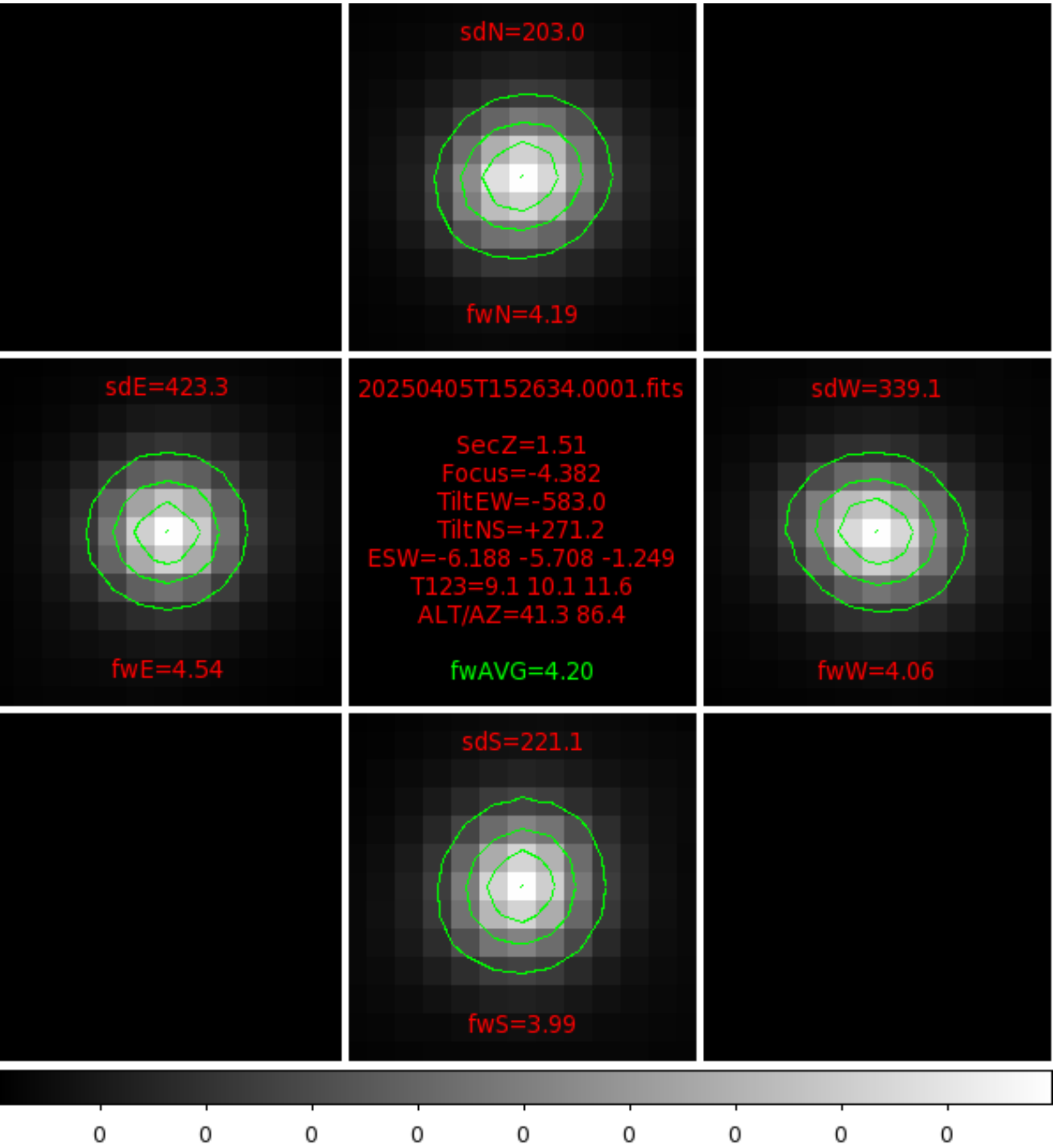
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.188 -5.708 -1.249
T123=9.1 10.1 11.6
ALT/AZ=41.3 86.4
fwAVG=4.20
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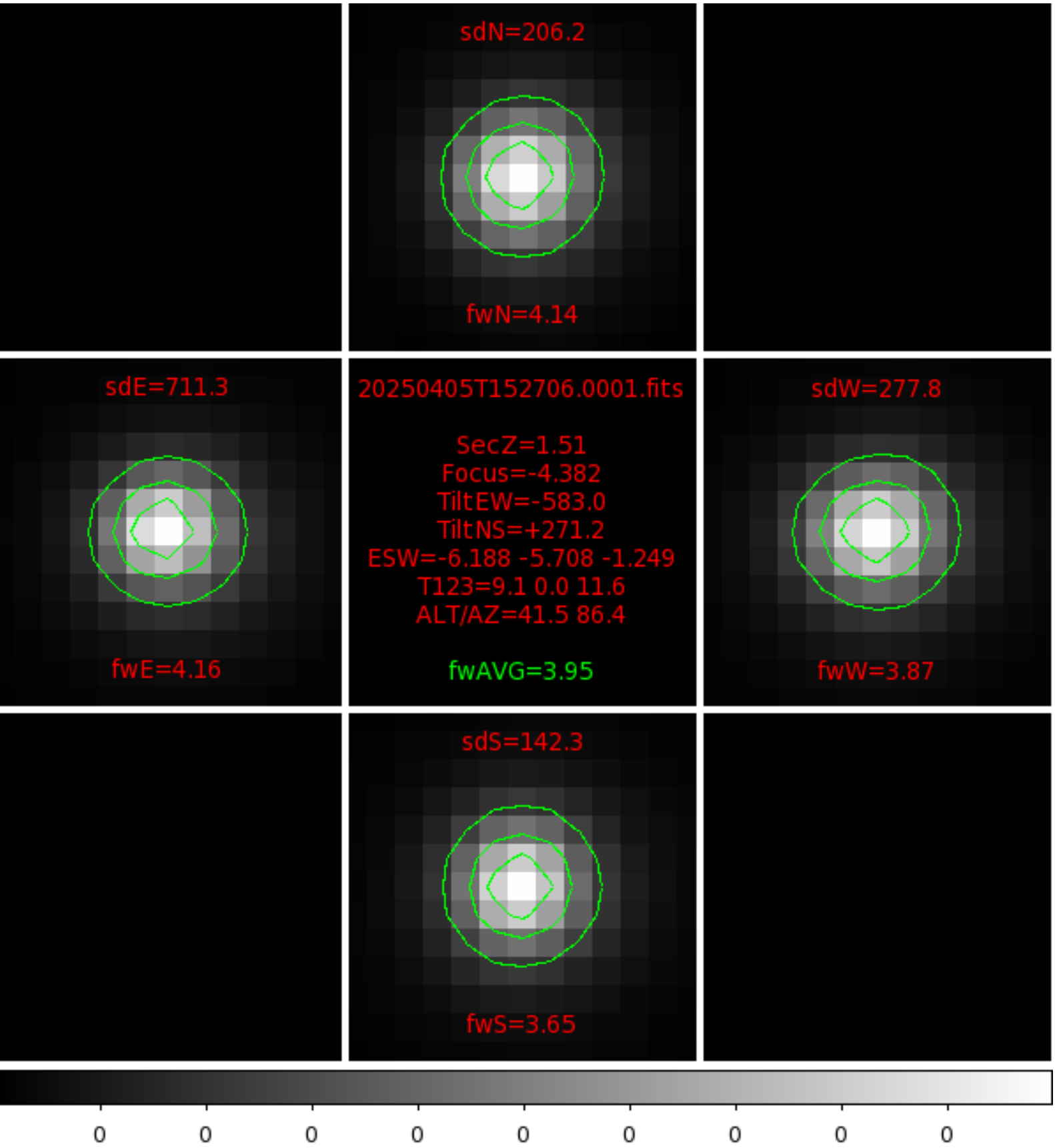
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TiltNS=+271.2
ESW=-6.188 -5.708 -1.249
T123=9.1 0.0 11.6
ALT/AZ=41.5 86.4
fwAVG=3.95
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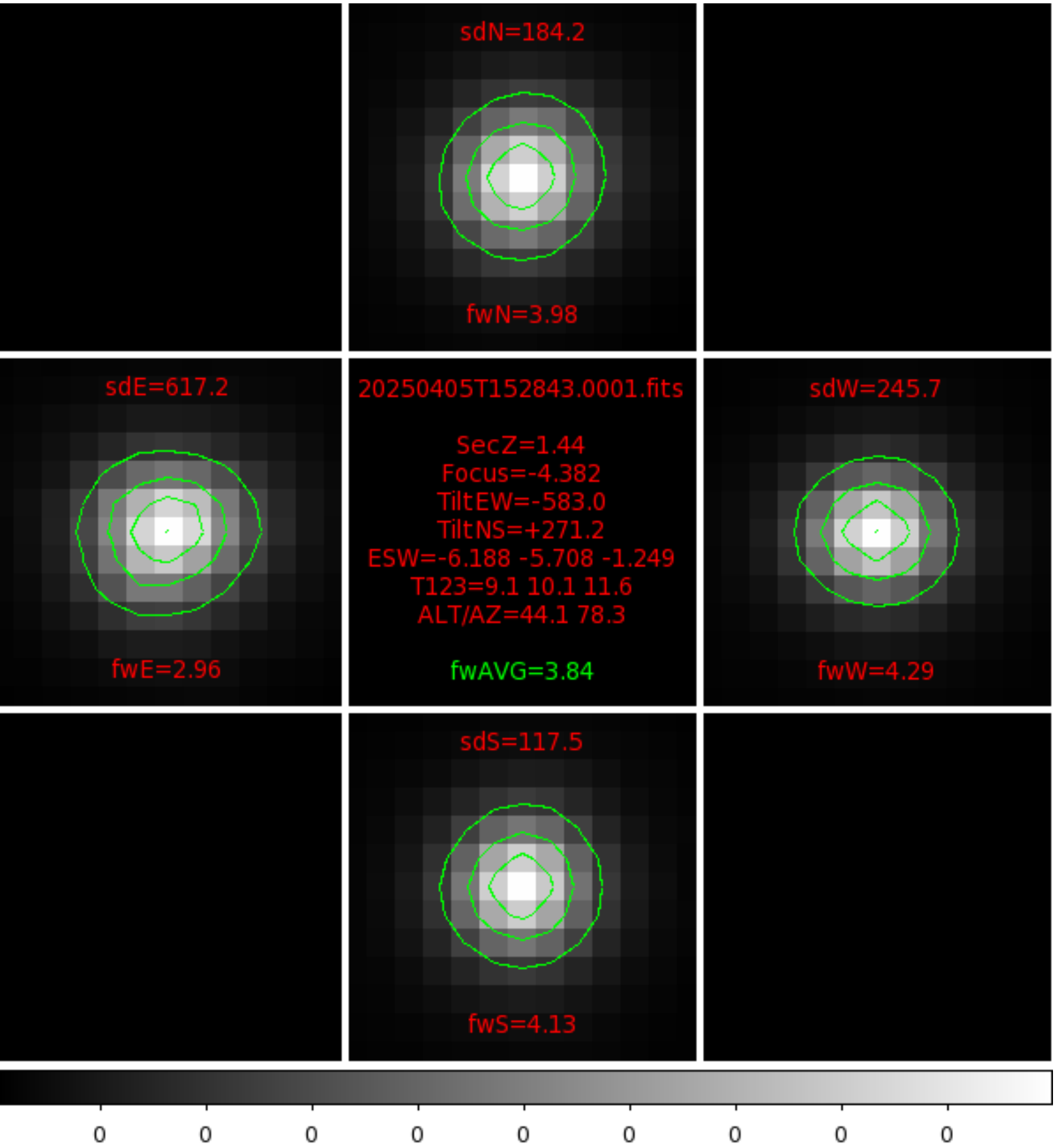
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ESW=-6.188 -5.708 -1.249
T123=9.1 10.1 11.6
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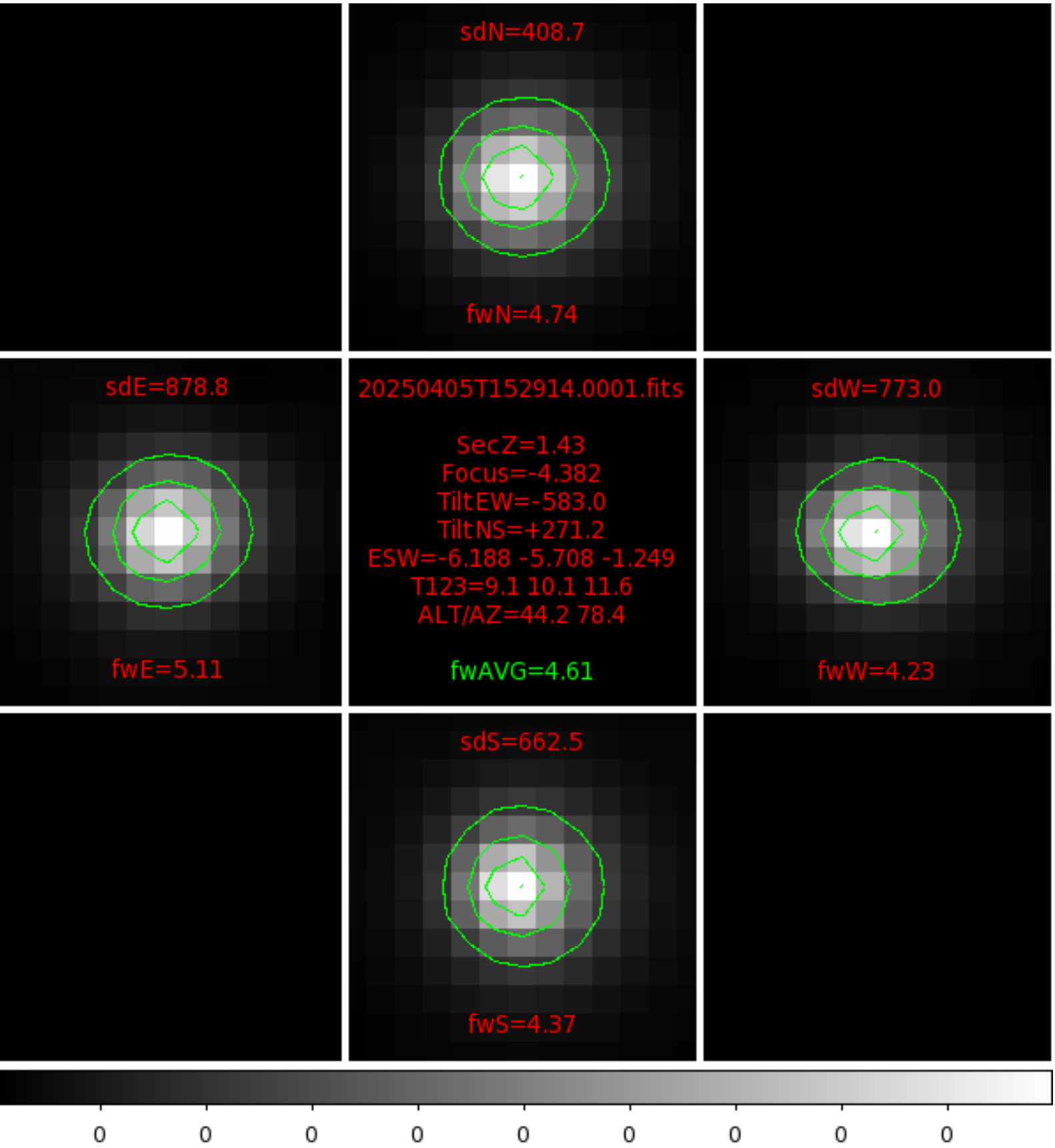
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TiltNS=+271.2
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T123=9.1 10.1 11.6
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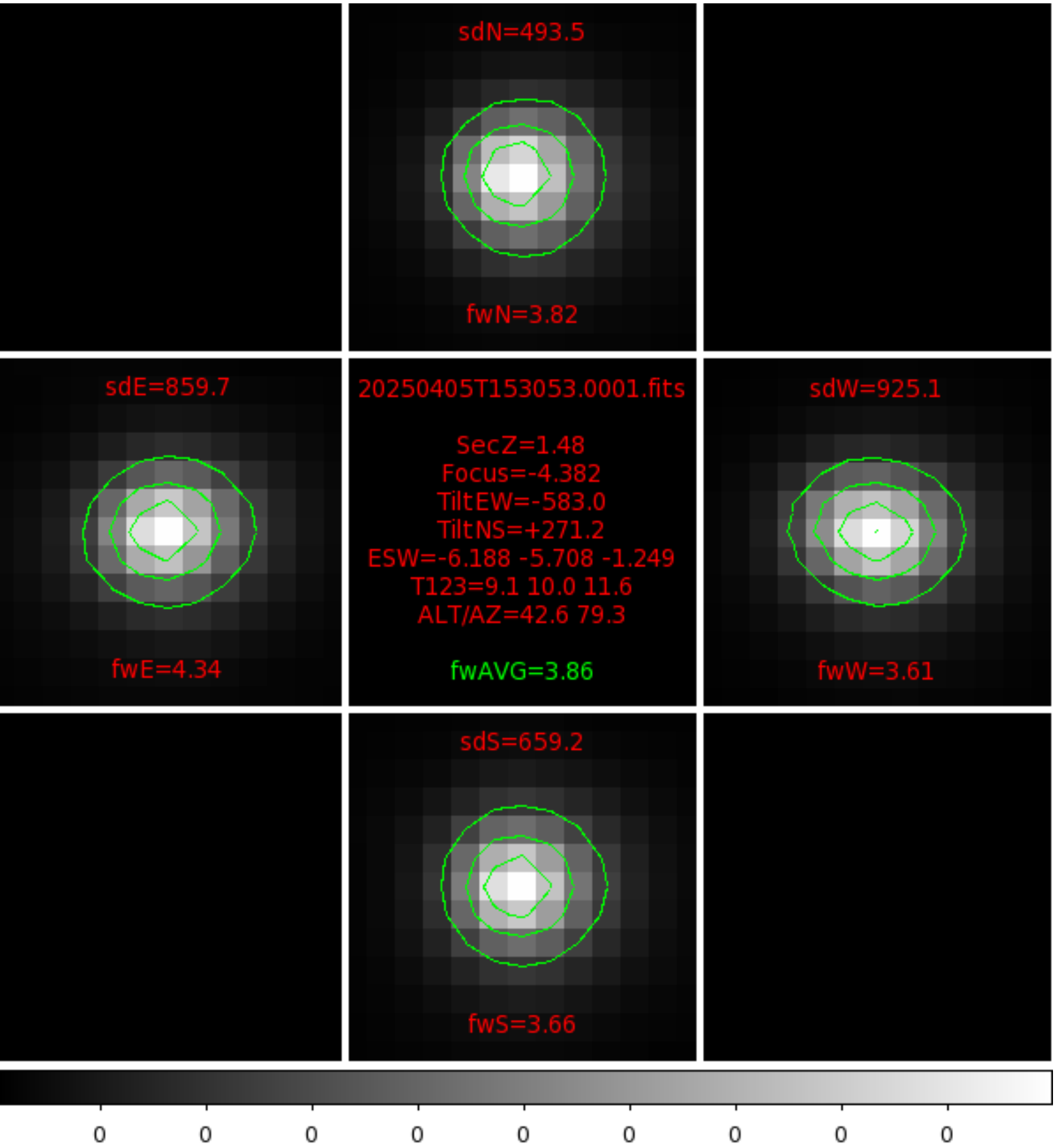
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TiltNS=+271.2
ESW=-6.188 -5.708 -1.249
T123=9.1 10.0 11.6
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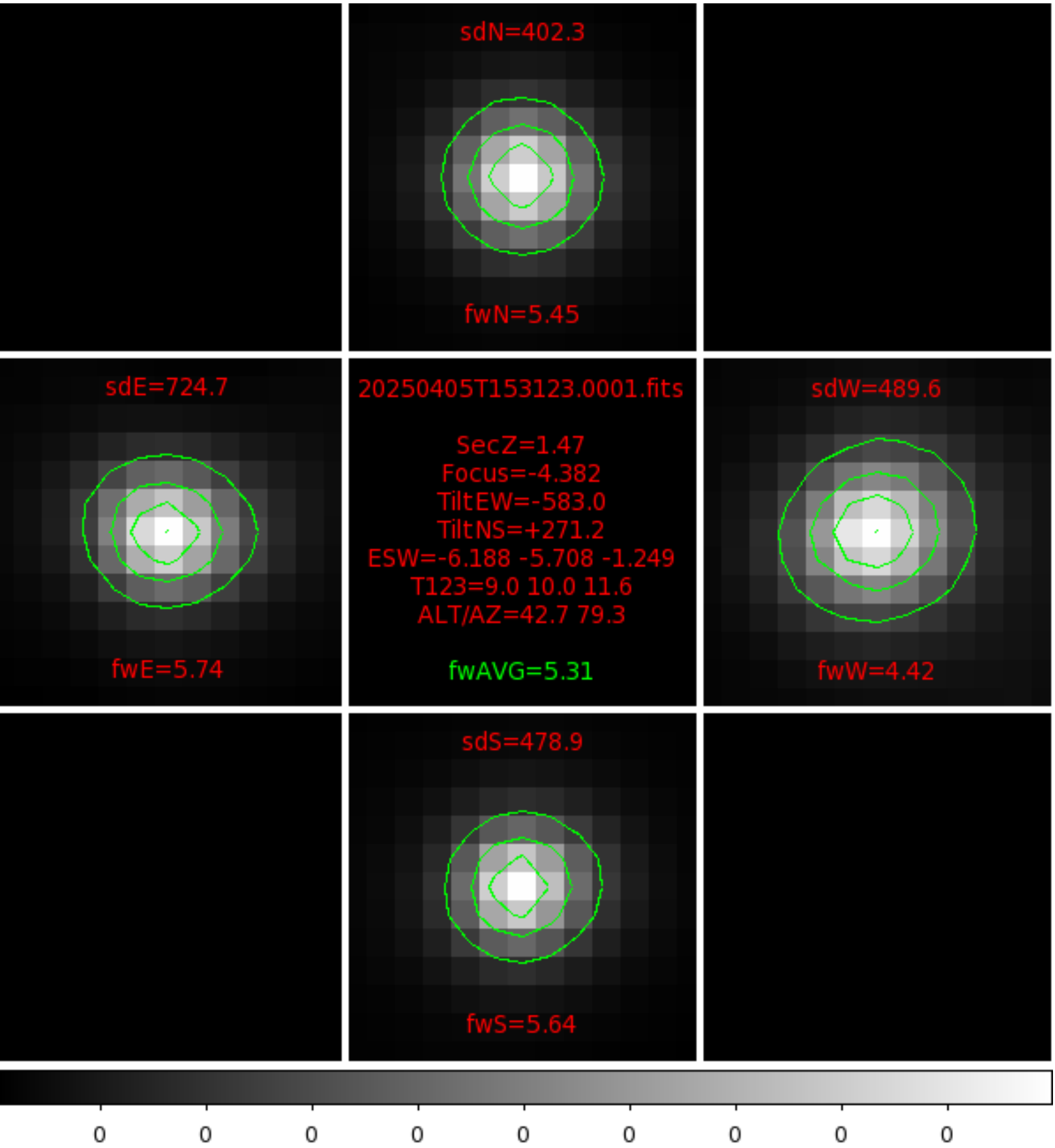
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TiltNS=+271.2
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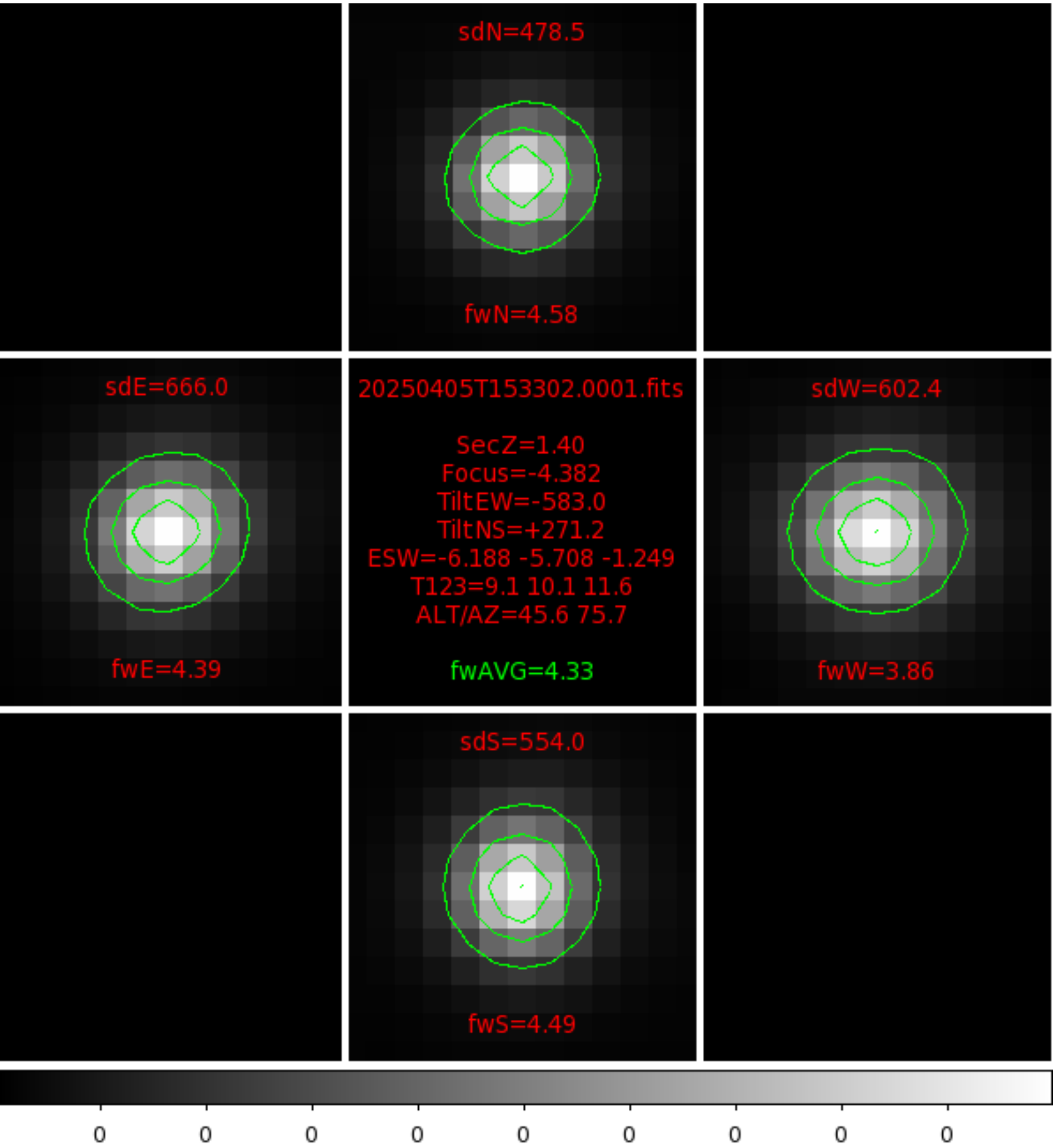
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TiltNS=+271.2
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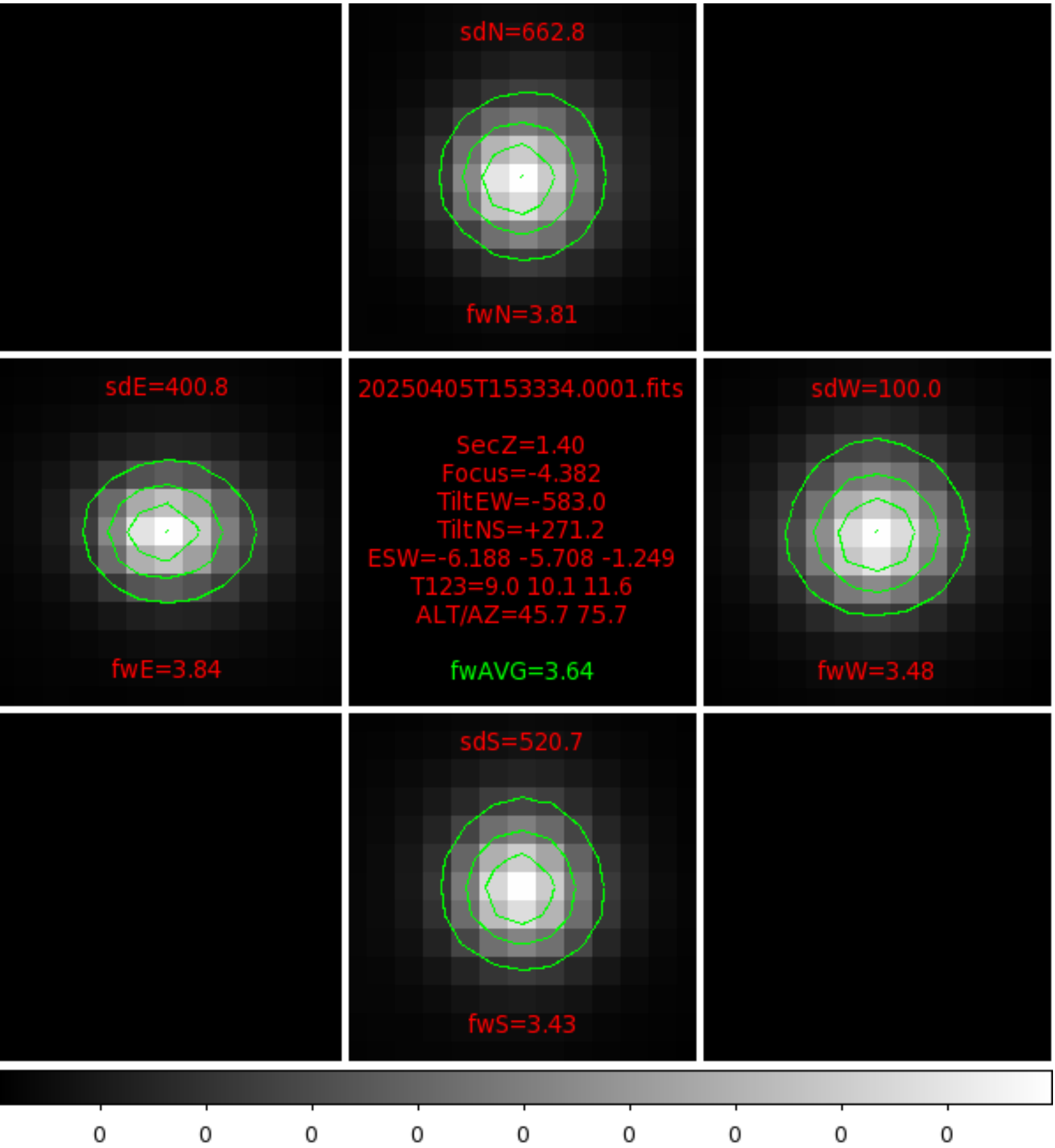
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TiltNS=+271.2
ESW=-6.188 -5.708 -1.249
T123=9.0 10.1 11.6
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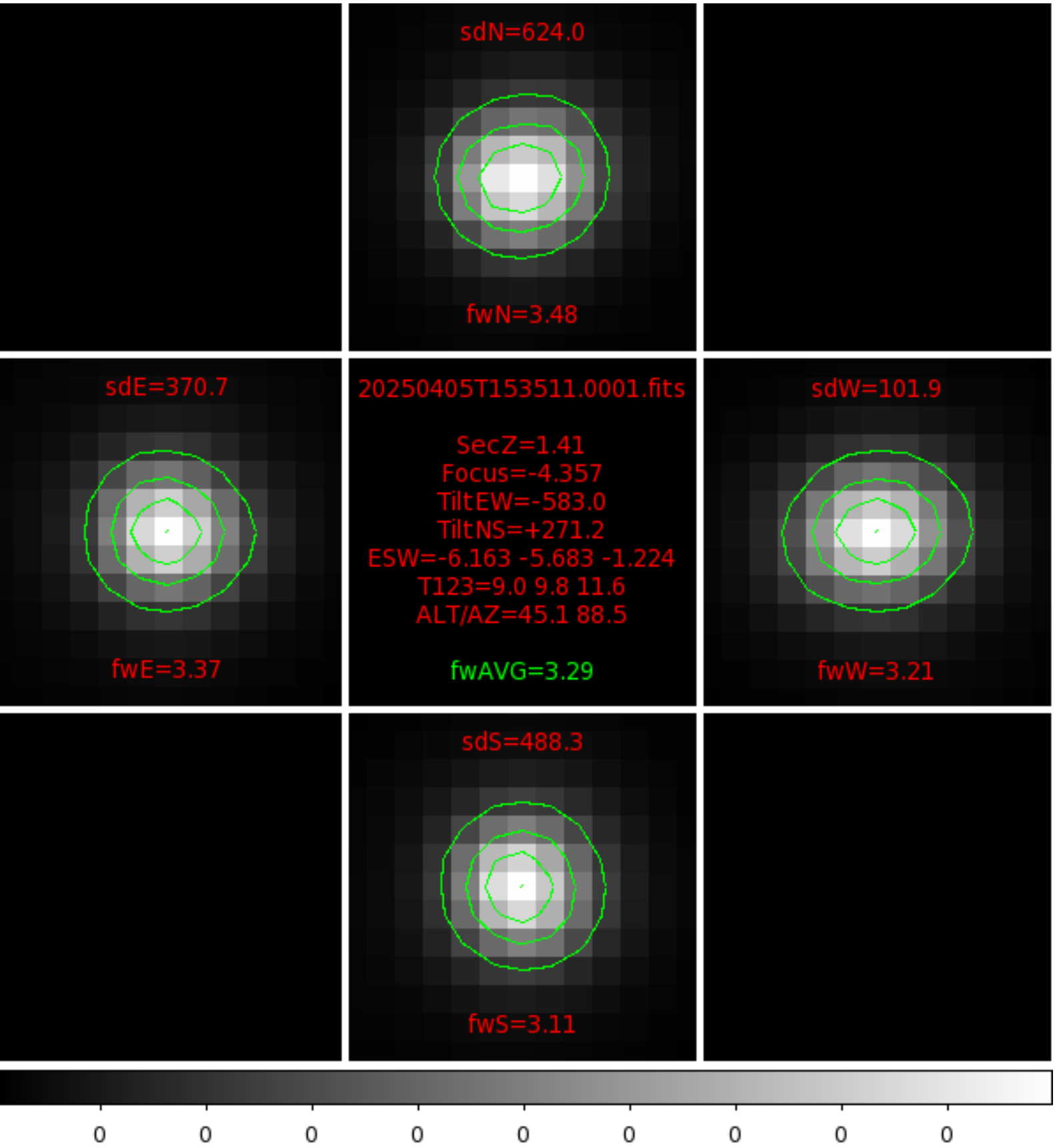
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TiltNS=+271.2
ESW=-6.163 -5.683 -1.224
T123=9.0 9.8 11.6
ALT/AZ=45.1 88.5
fwAVG=3.29
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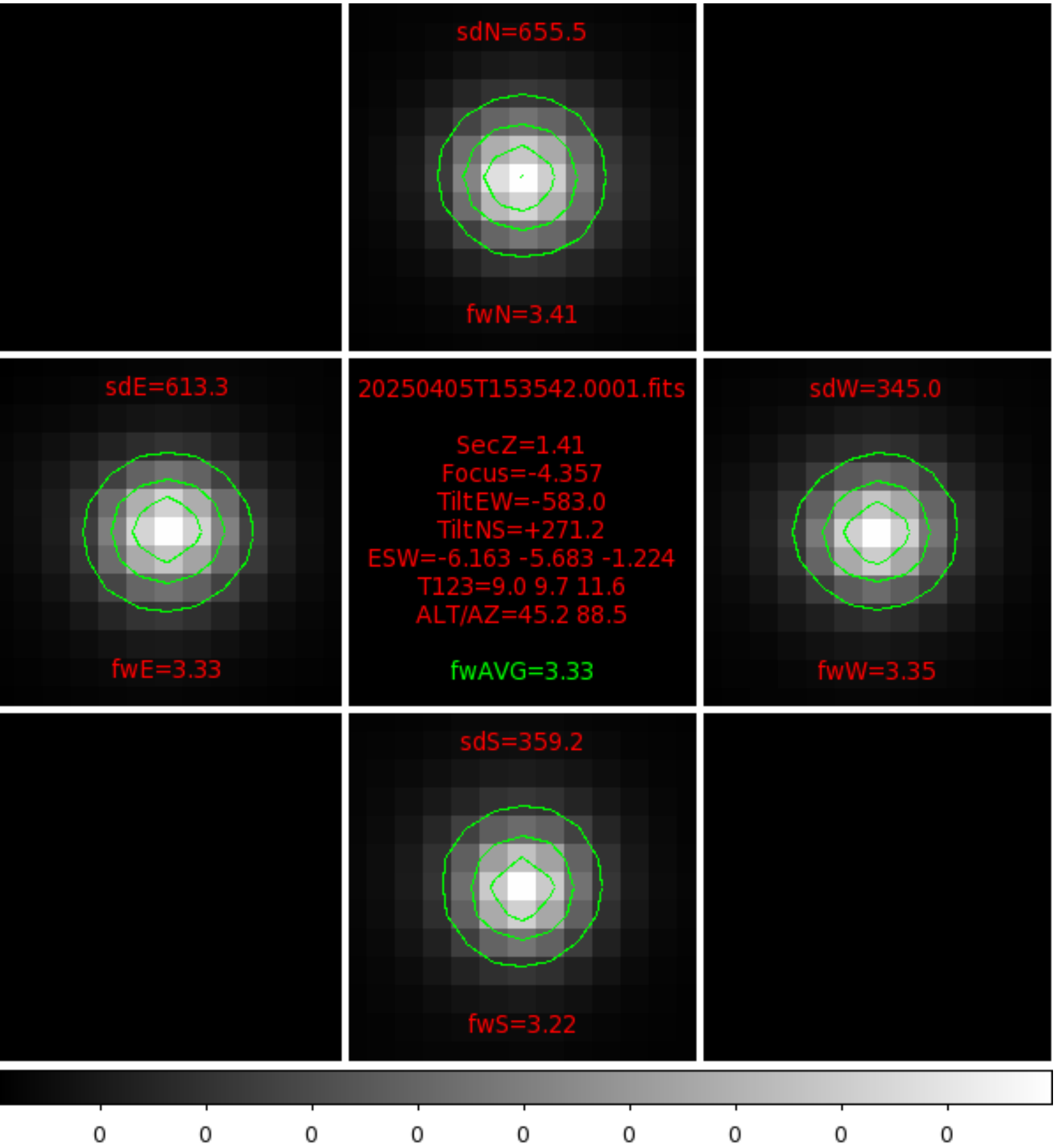
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T123=9.0 9.7 11.6
ALT/AZ=45.2 88.5
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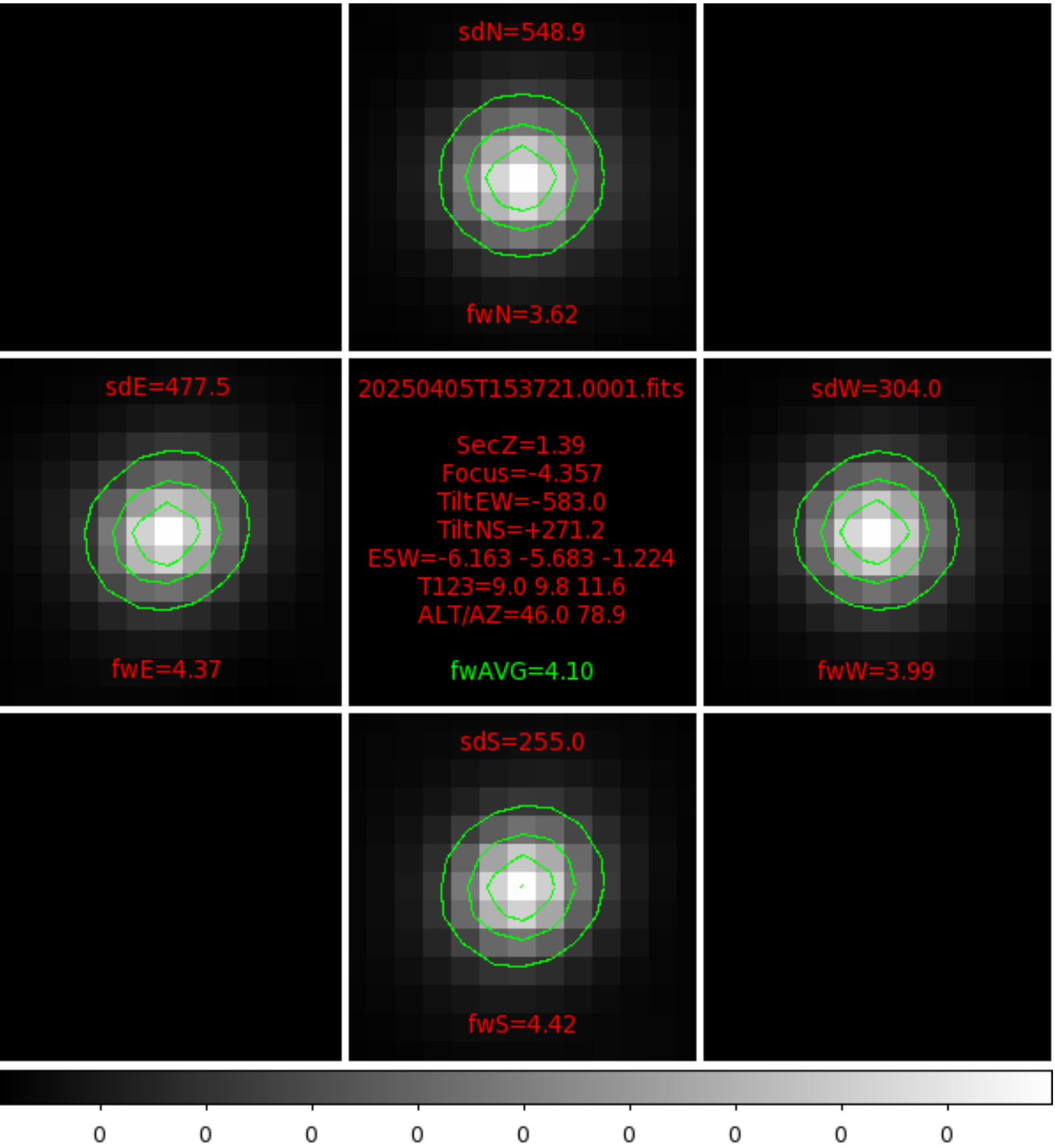
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Focus=-4.357
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.163 -5.683 -1.224
T123=9.0 9.8 11.6
ALT/AZ=46.0 78.9
fwAVG=4.10
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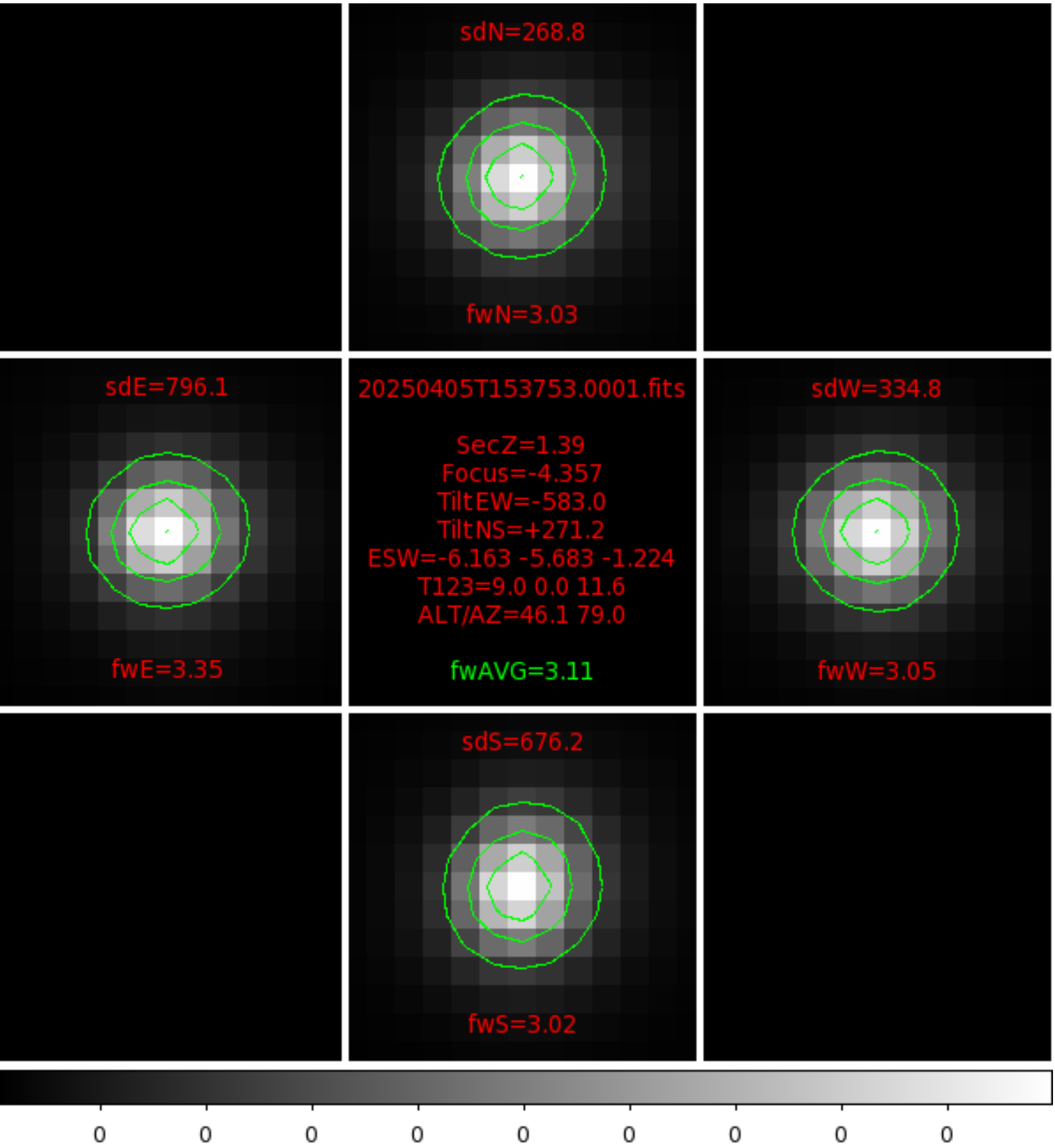
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TiltNS=+271.2
ESW=-6.163 -5.683 -1.224
T123=9.0 0.0 11.6
ALT/AZ=46.1 79.0
fwAVG=3.11
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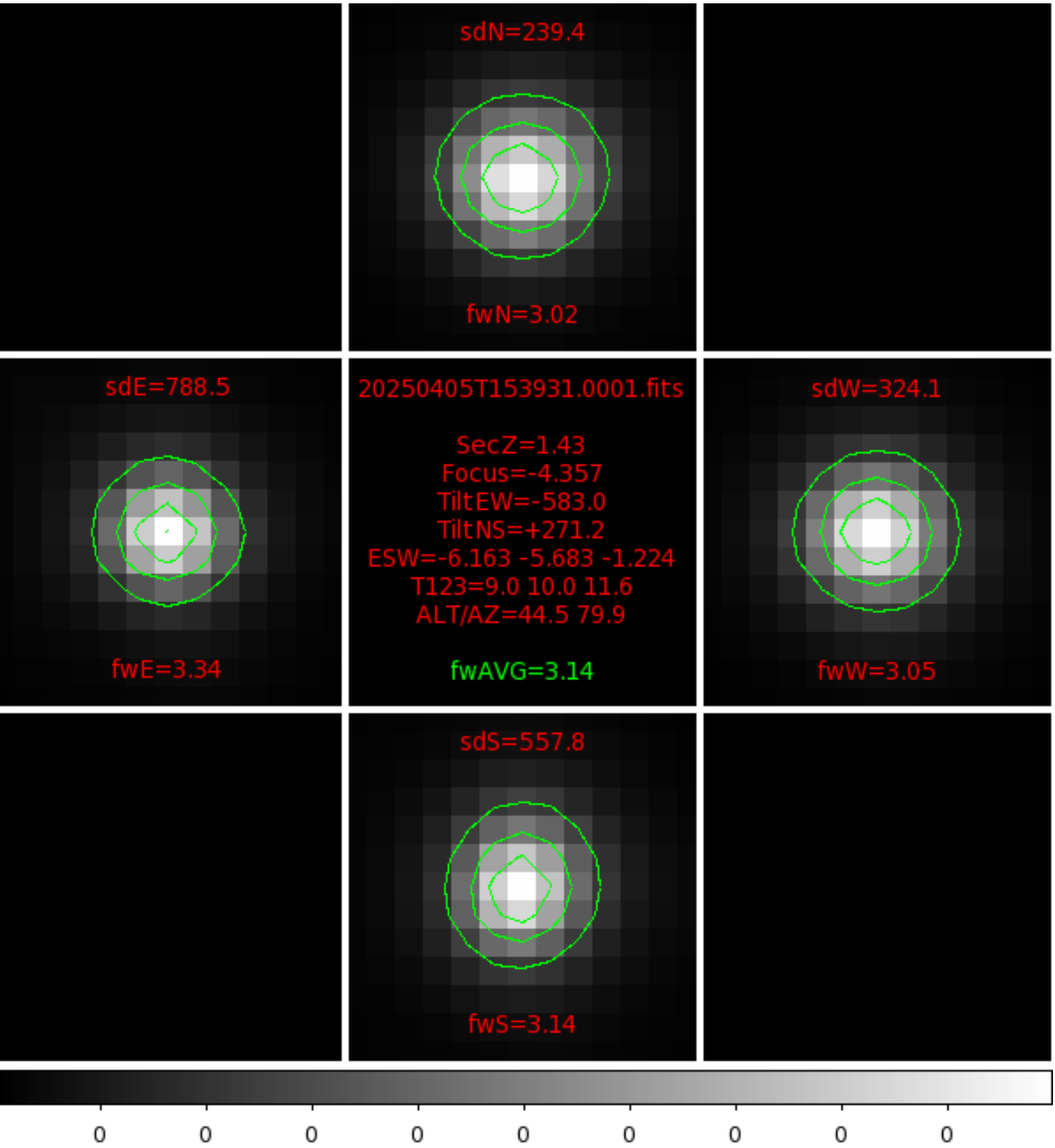
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ESW=-6.163 -5.683 -1.224
T123=9.0 10.0 11.6
ALT/AZ=44.5 79.9
fwAVG=3.14
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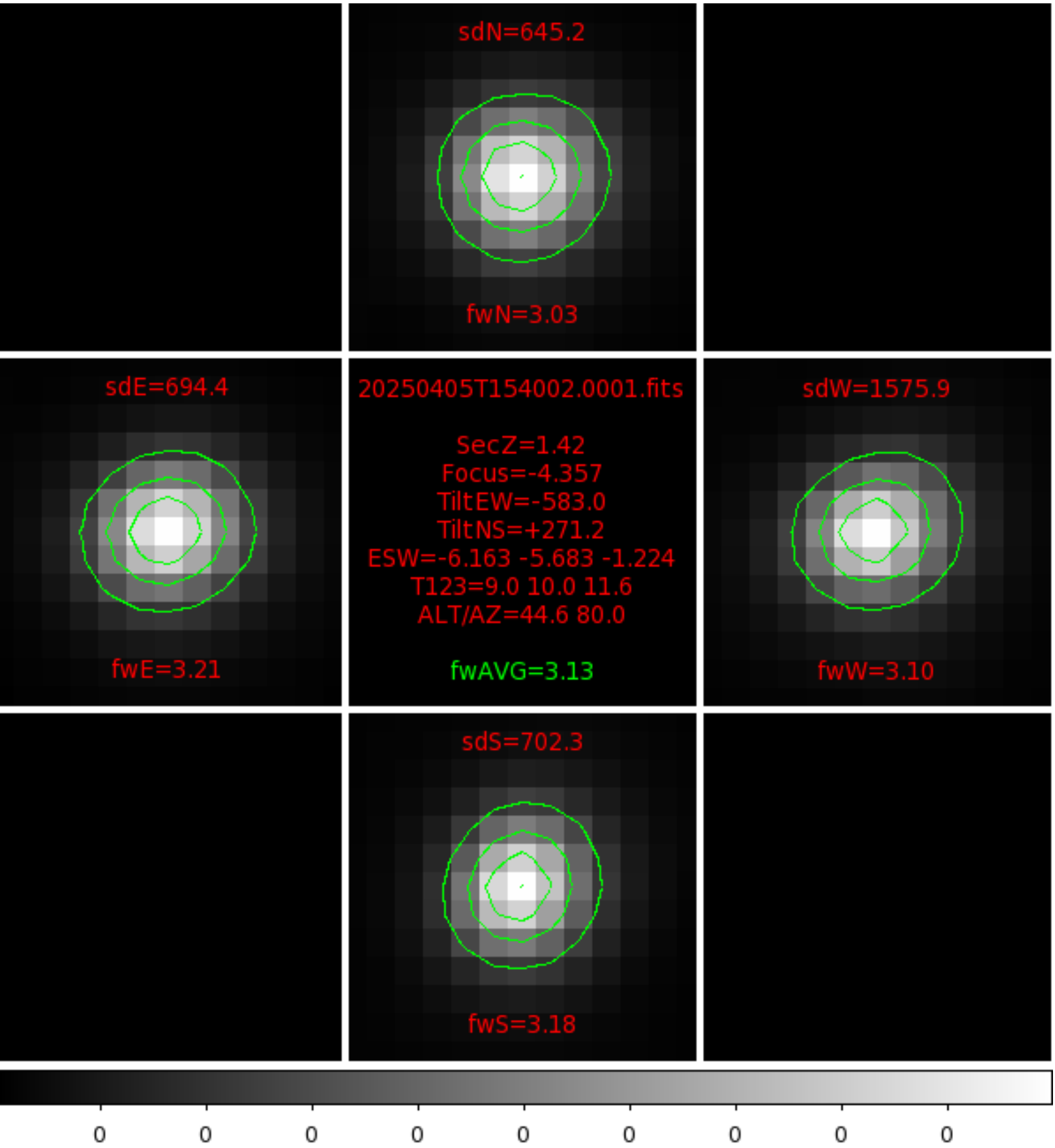
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sdE=694.4
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SecZ=1.42
Focus=-4.357
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.163 -5.683 -1.224
T123=9.0 10.0 11.6
ALT/AZ=44.6 80.0
fwAVG=3.13
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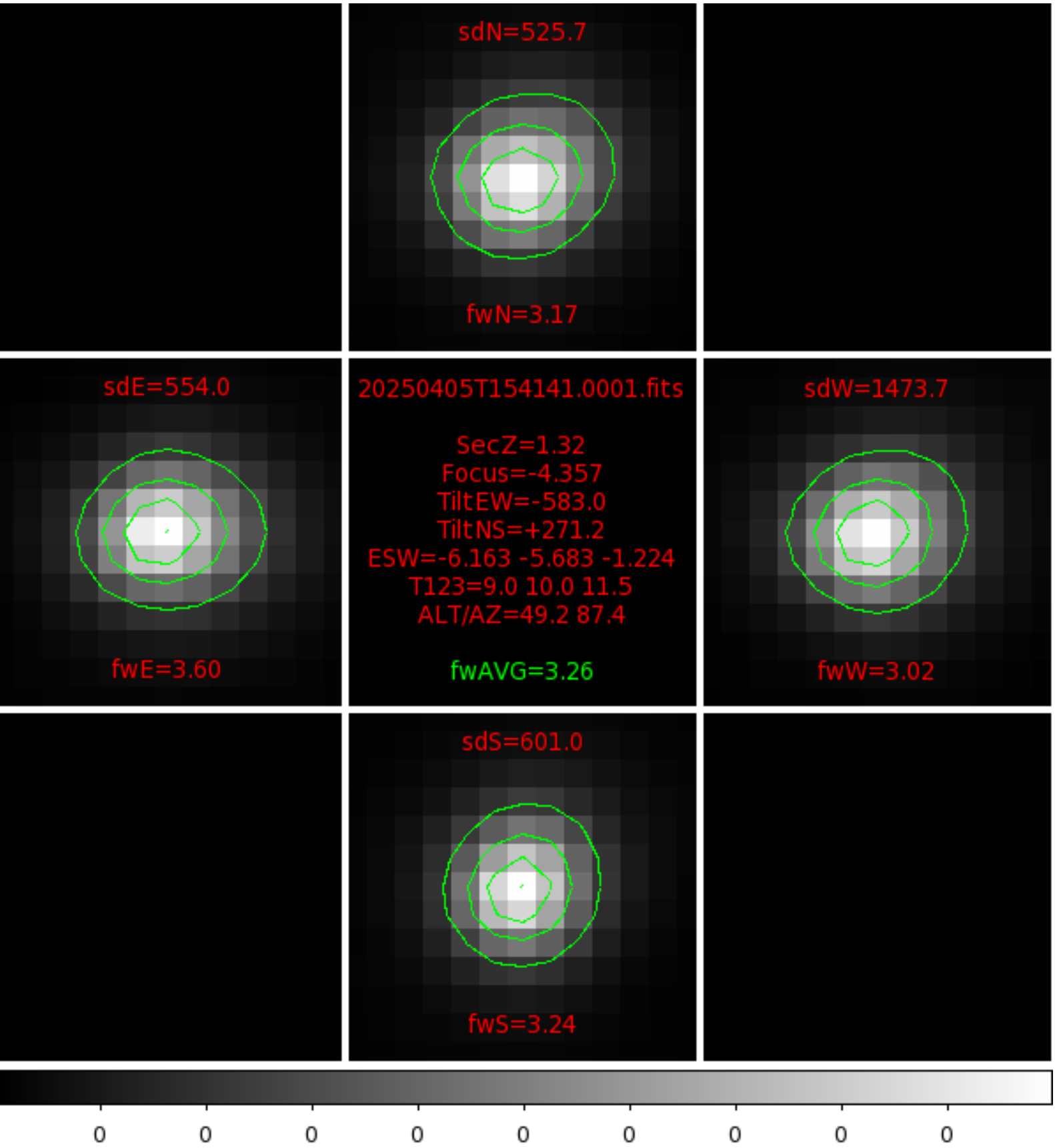
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SecZ=1.32
Focus=-4.357
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.163 -5.683 -1.224
T123=9.0 10.0 11.5
ALT/AZ=49.2 87.4
fwAVG=3.26
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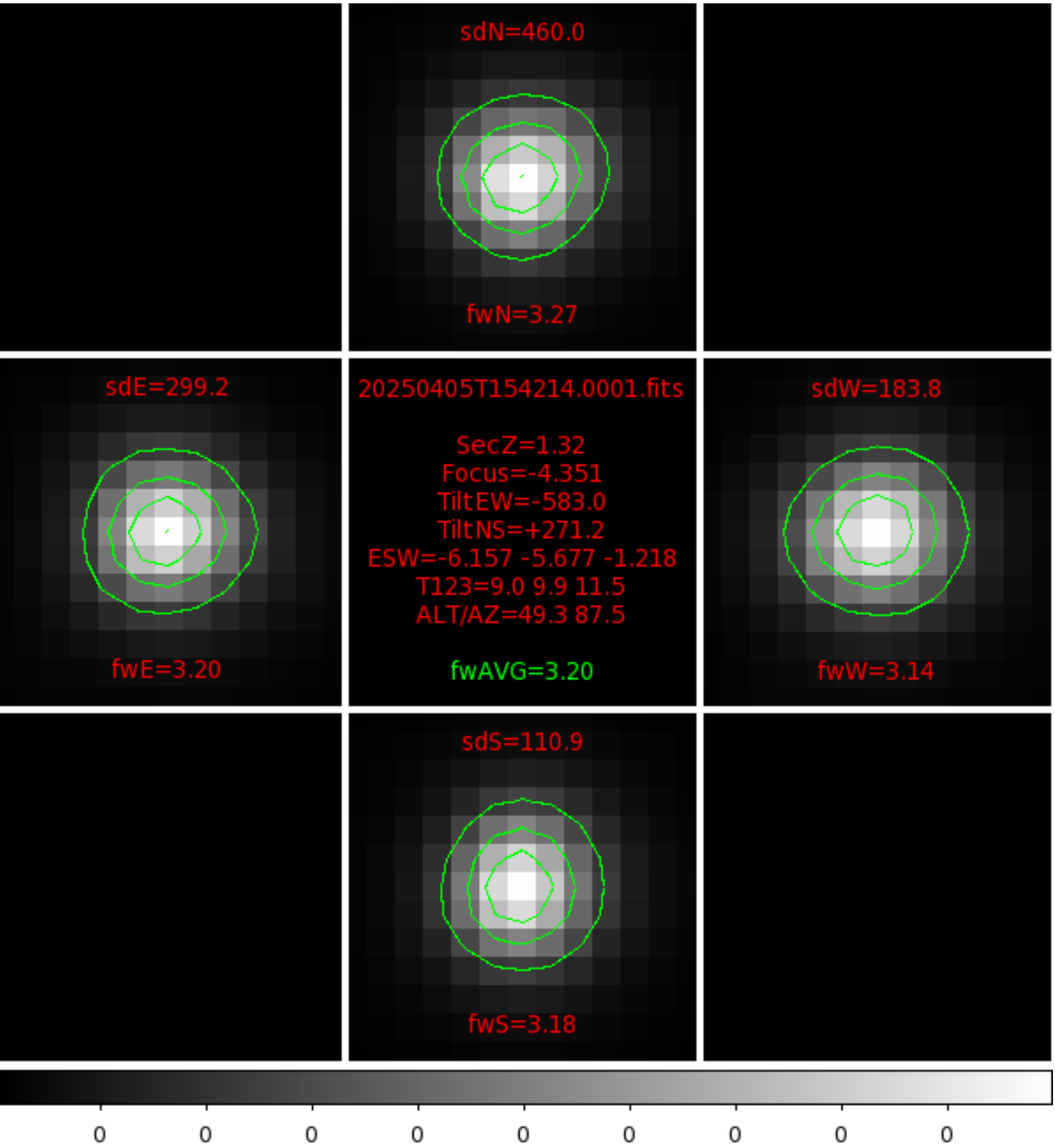
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Focus=-4.351
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.157 -5.677 -1.218
T123=9.0 9.9 11.5
ALT/AZ=49.3 87.5
fwAVG=3.20
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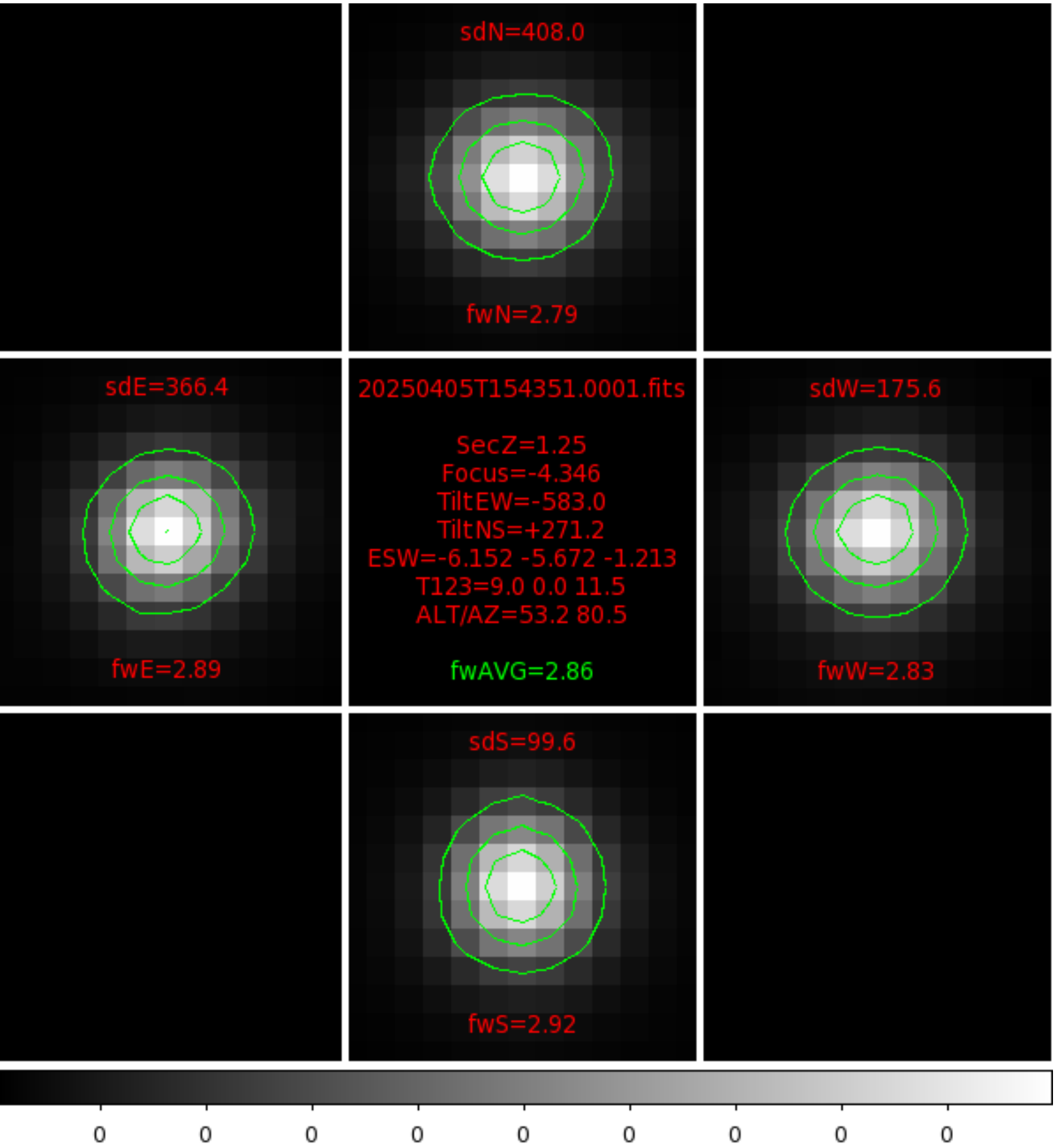
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Focus=-4.346
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=9.0 0.0 11.5
ALT/AZ=53.2 80.5
fwAVG=2.86
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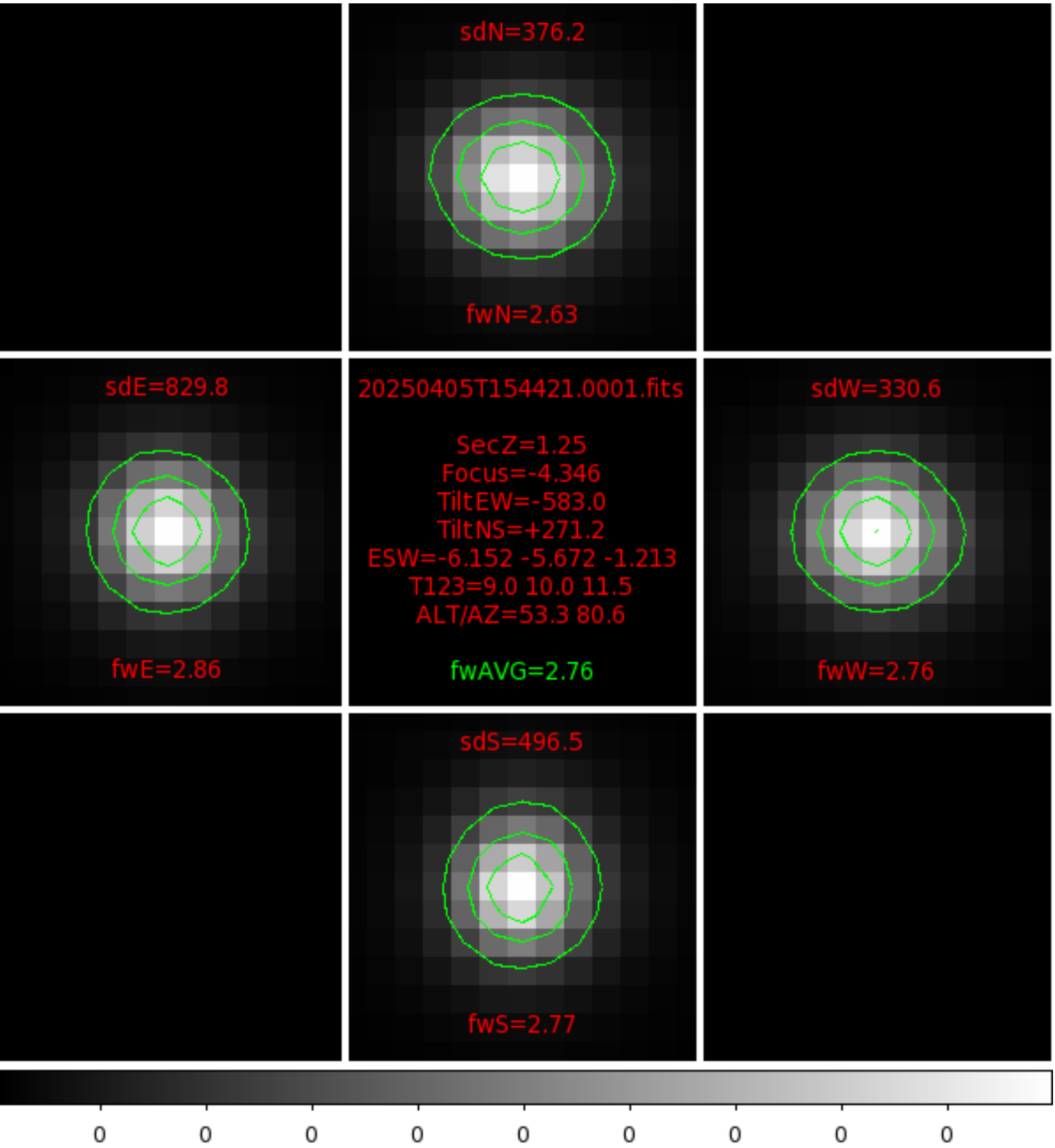
sdN=376.2
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20250405T154421.0001.fits
SecZ=1.25
Focus=-4.346
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=9.0 10.0 11.5
ALT/AZ=53.3 80.6
fwAVG=2.76
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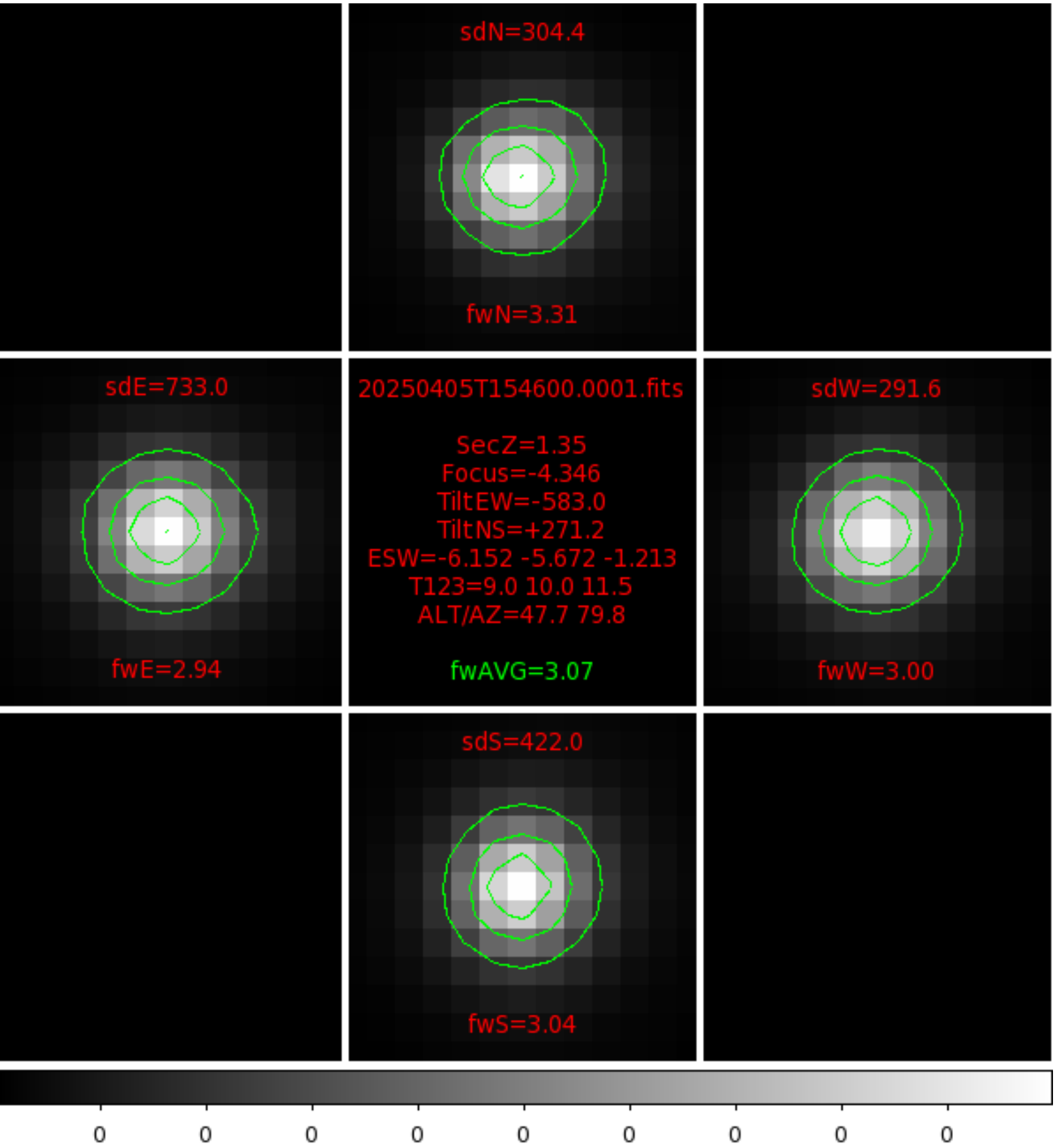
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SecZ=1.35
Focus=-4.346
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=9.0 10.0 11.5
ALT/AZ=47.7 79.8
fwAVG=3.07
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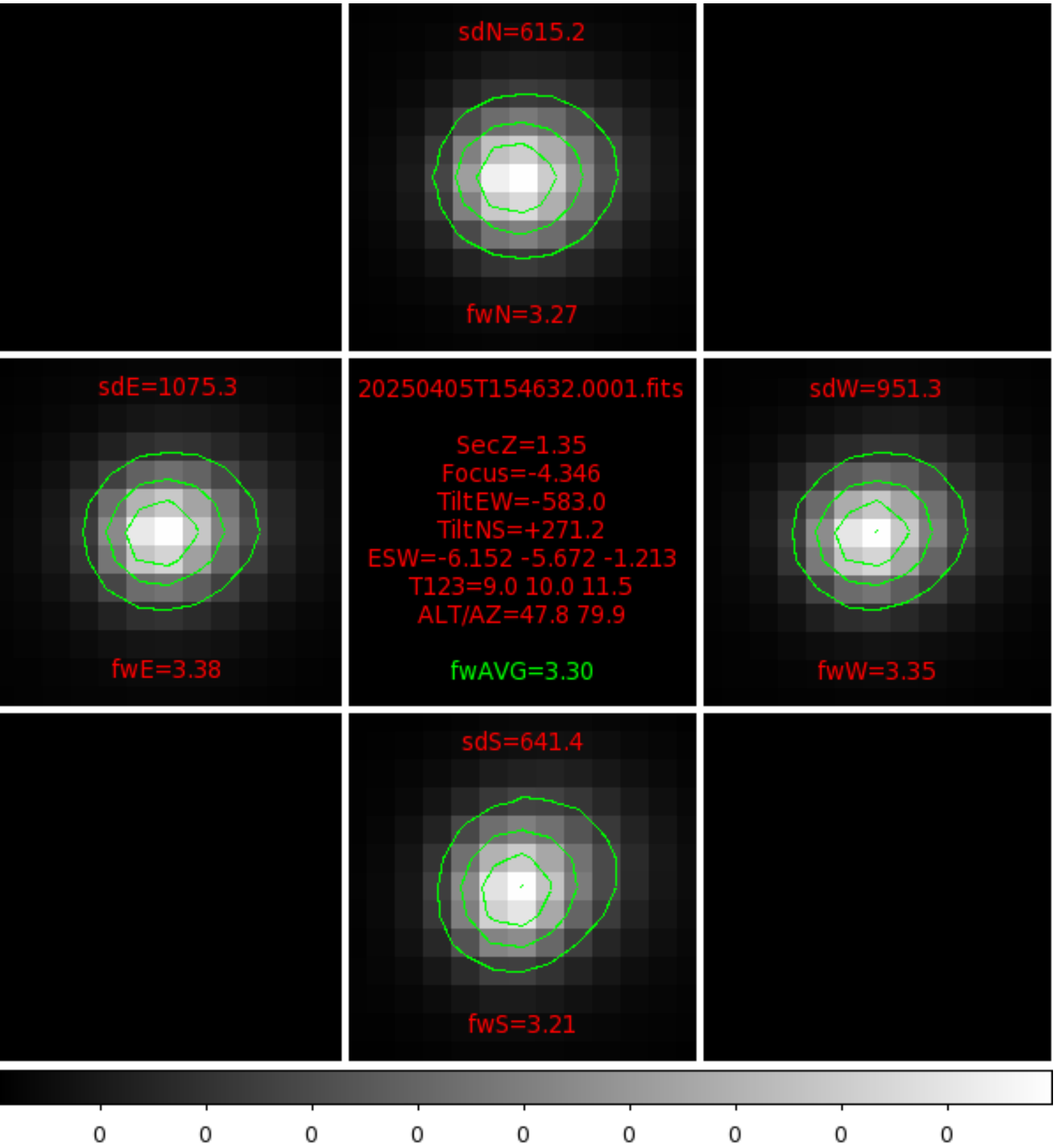
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=9.0 10.0 11.5
ALT/AZ=47.8 79.9
fwAVG=3.30
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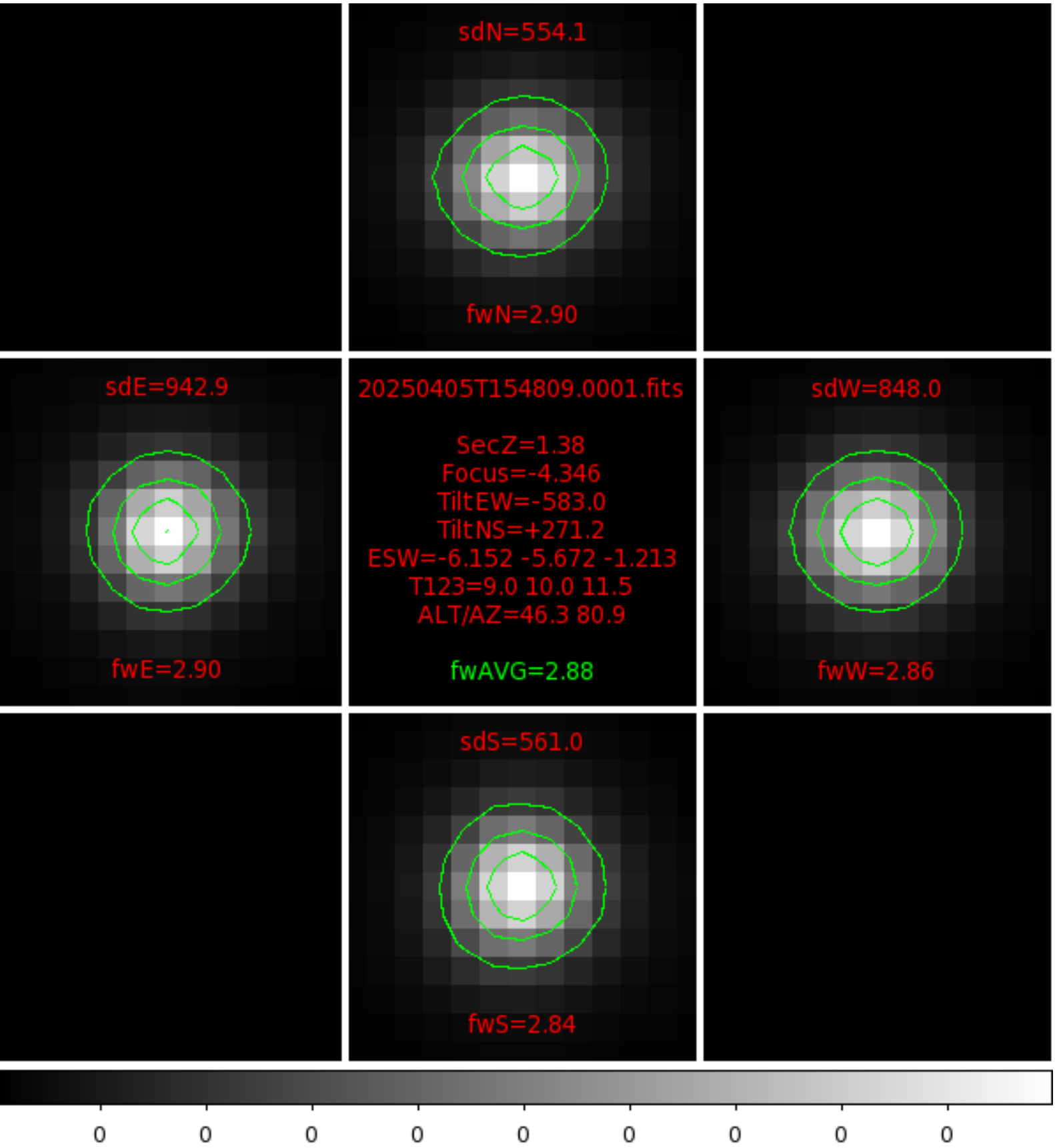
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SecZ=1.38
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=9.0 10.0 11.5
ALT/AZ=46.3 80.9
fwAVG=2.88
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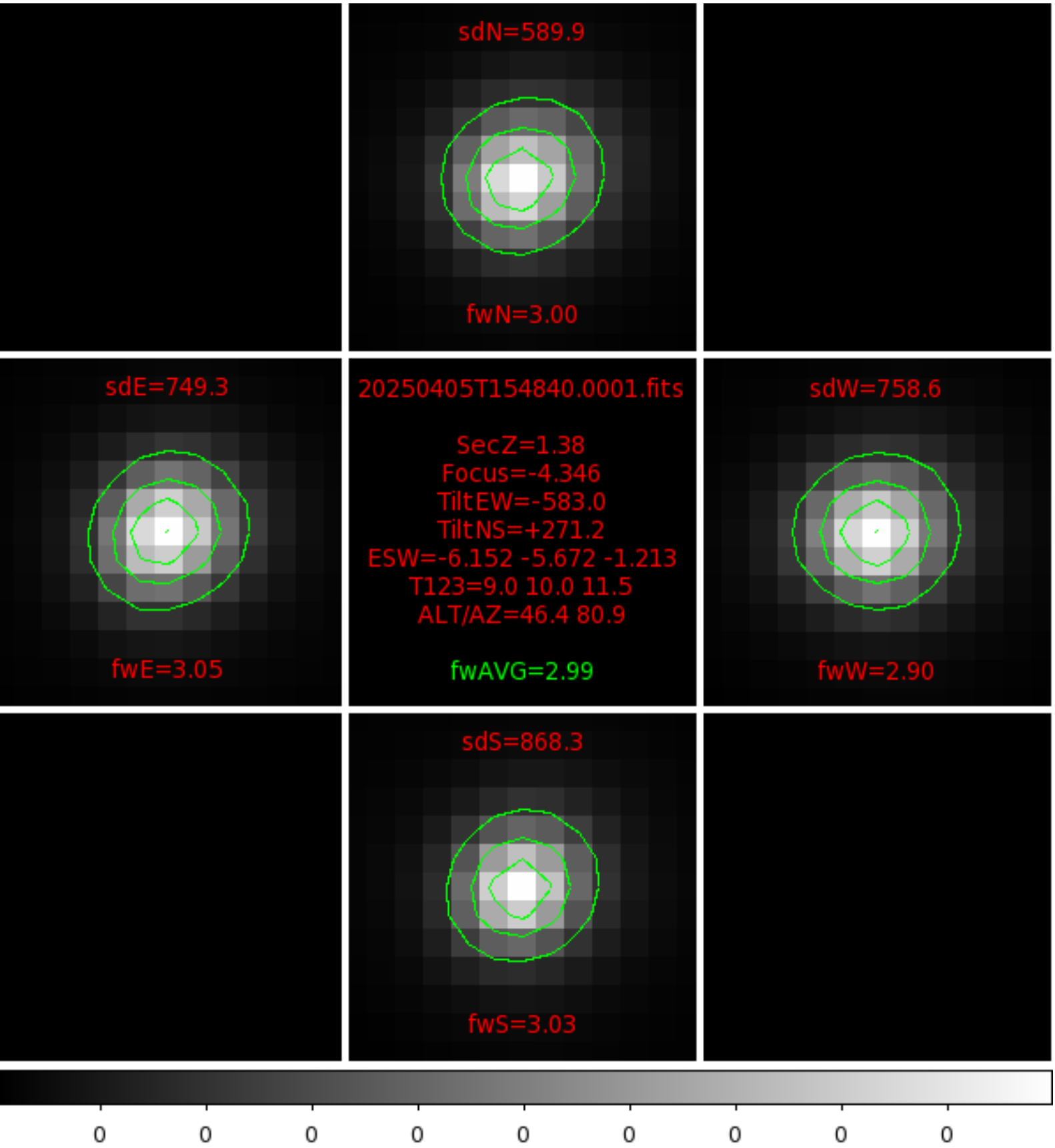
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SecZ=1.38
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=9.0 10.0 11.5
ALT/AZ=46.4 80.9
fwAVG=2.99
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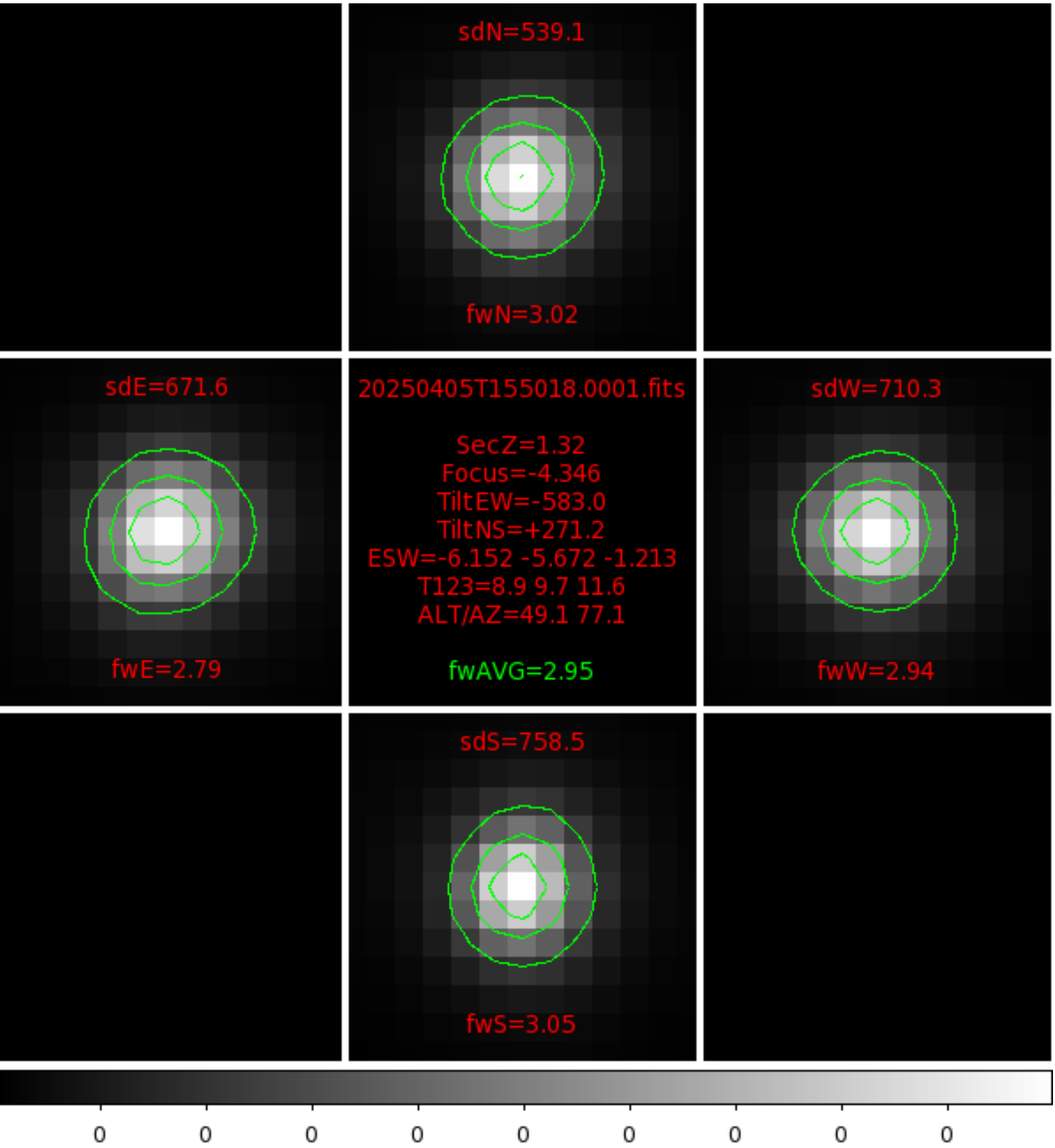
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Focus=-4.346
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TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=8.9 9.7 11.6
ALT/AZ=49.1 77.1
fwAVG=2.95
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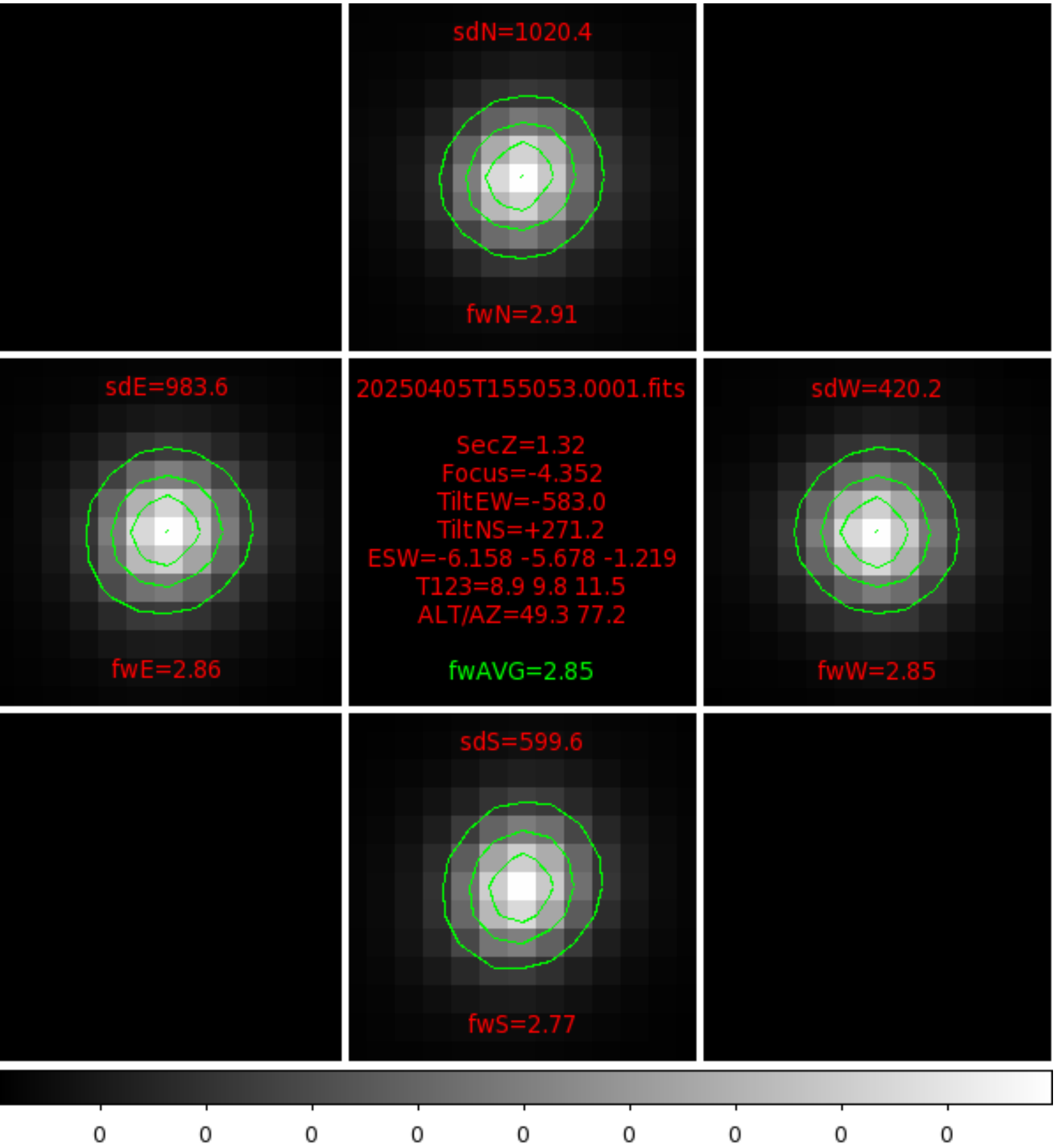
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SecZ=1.32
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.158 -5.678 -1.219
T123=8.9 9.8 11.5
ALT/AZ=49.3 77.2
fwAVG=2.85
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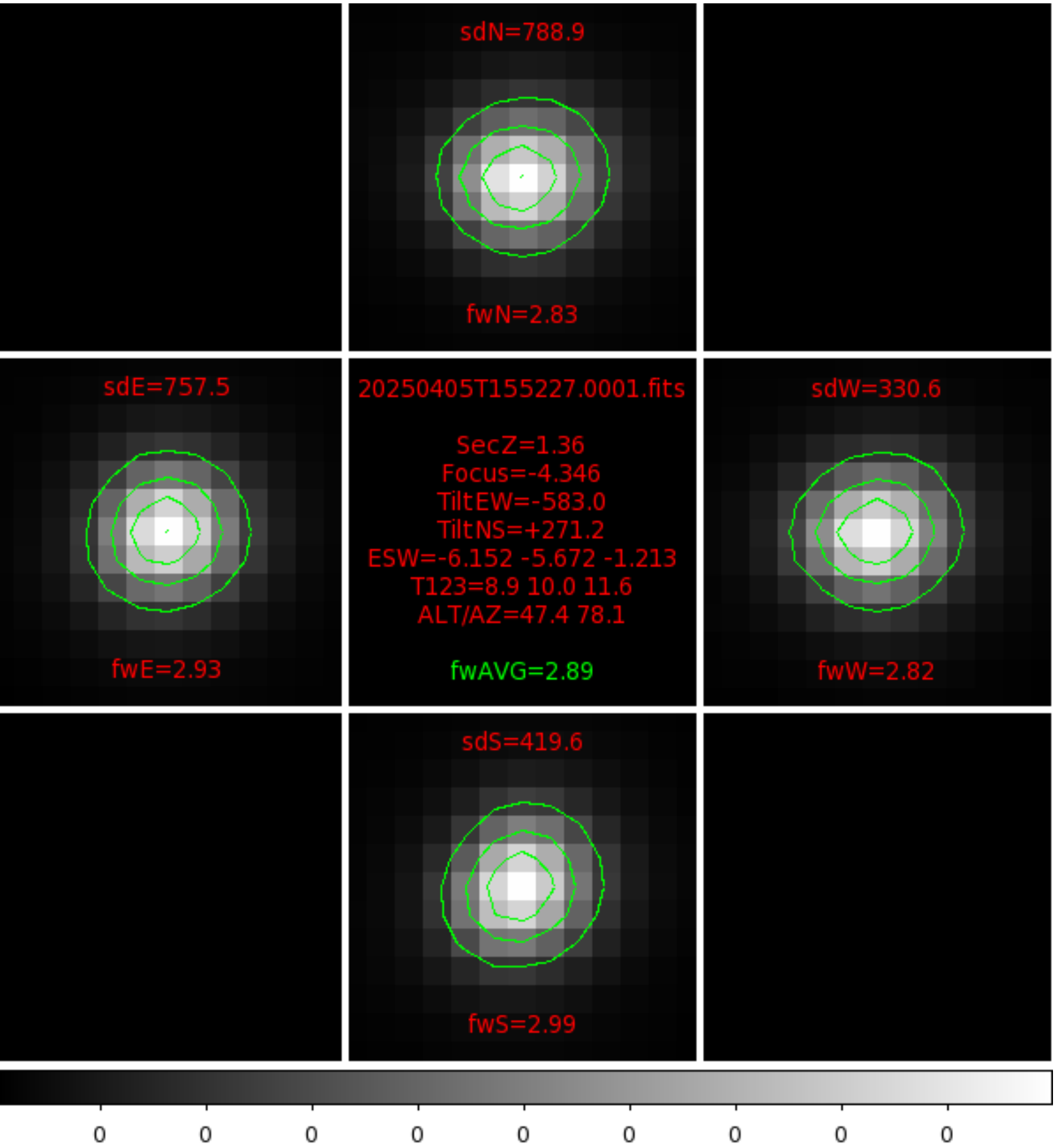
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TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=8.9 10.0 11.6
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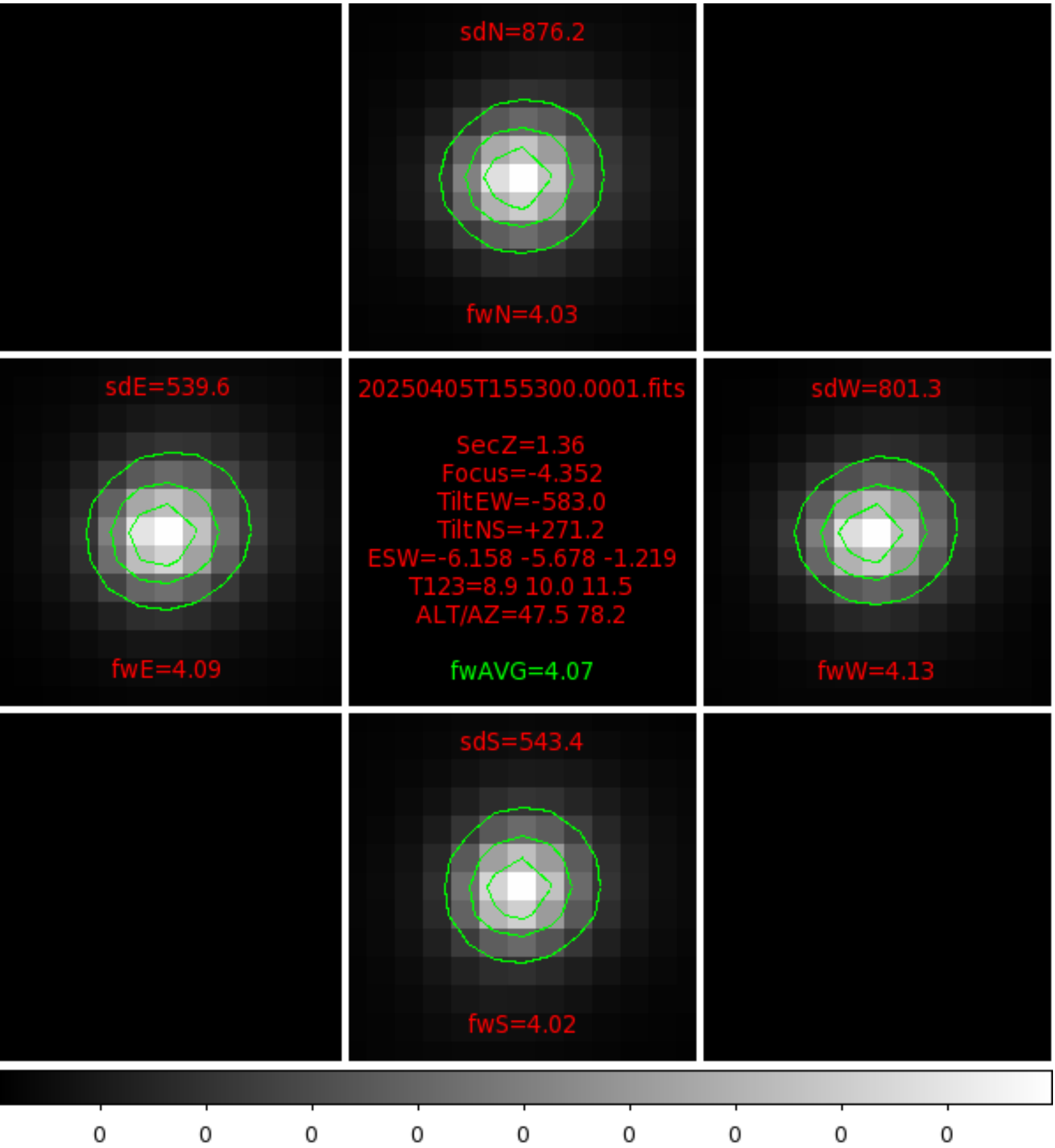
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SecZ=1.36
Focus=-4.352
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.158 -5.678 -1.219
T123=8.9 10.0 11.5
ALT/AZ=47.5 78.2
fwAVG=4.07
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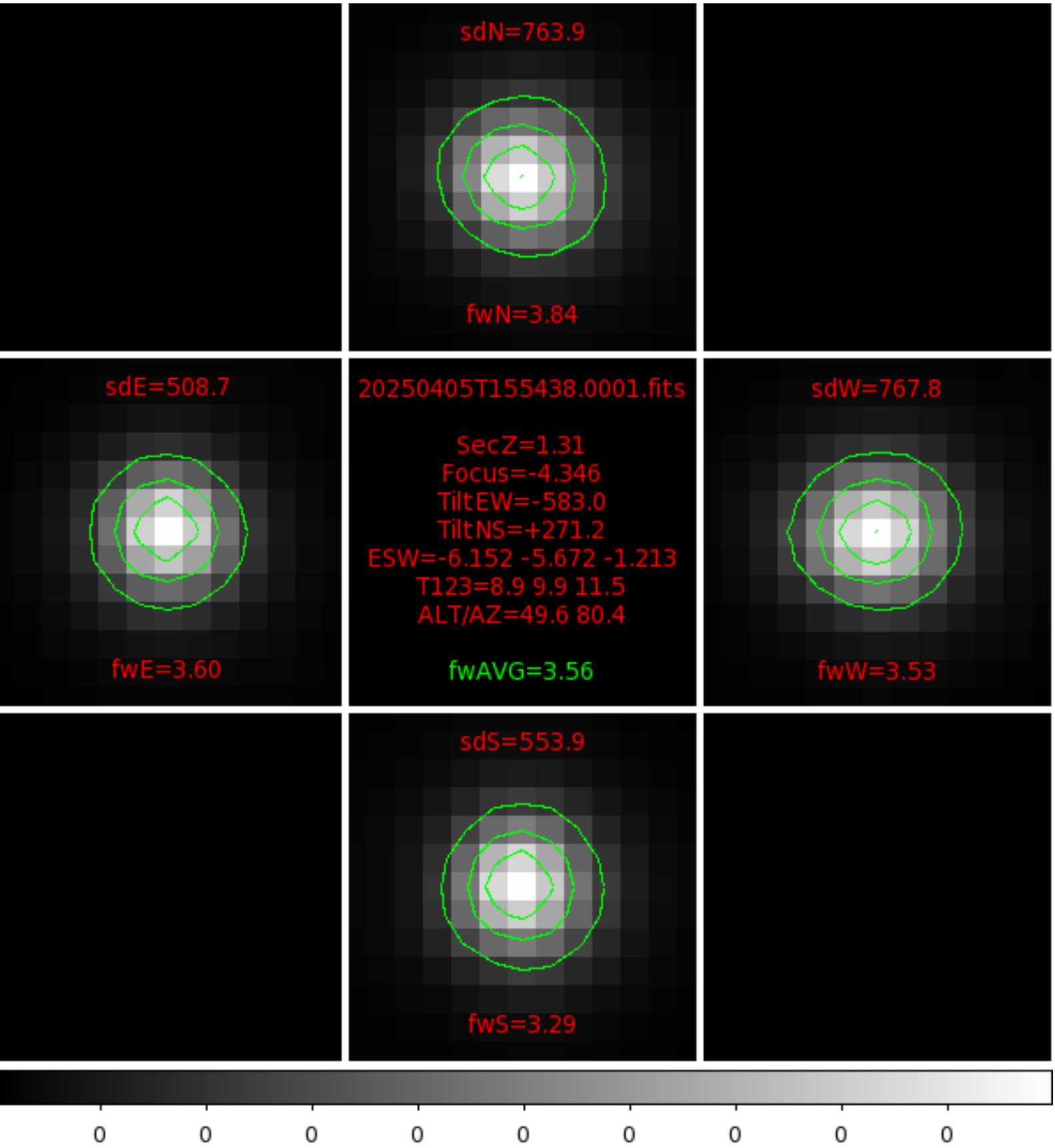
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TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=8.9 9.9 11.5
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fwAVG=3.56
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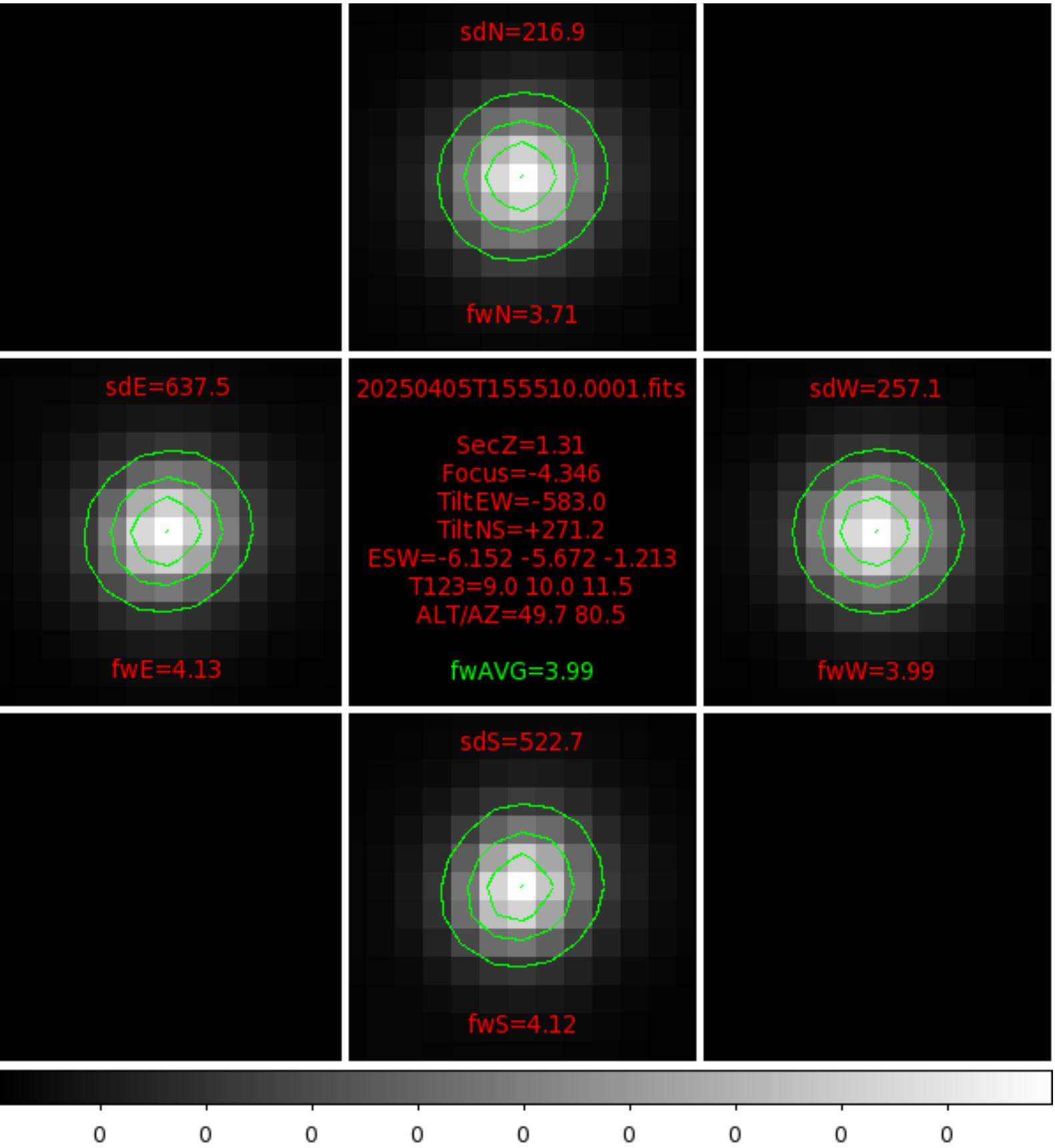
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SecZ=1.31
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=9.0 10.0 11.5
ALT/AZ=49.7 80.5
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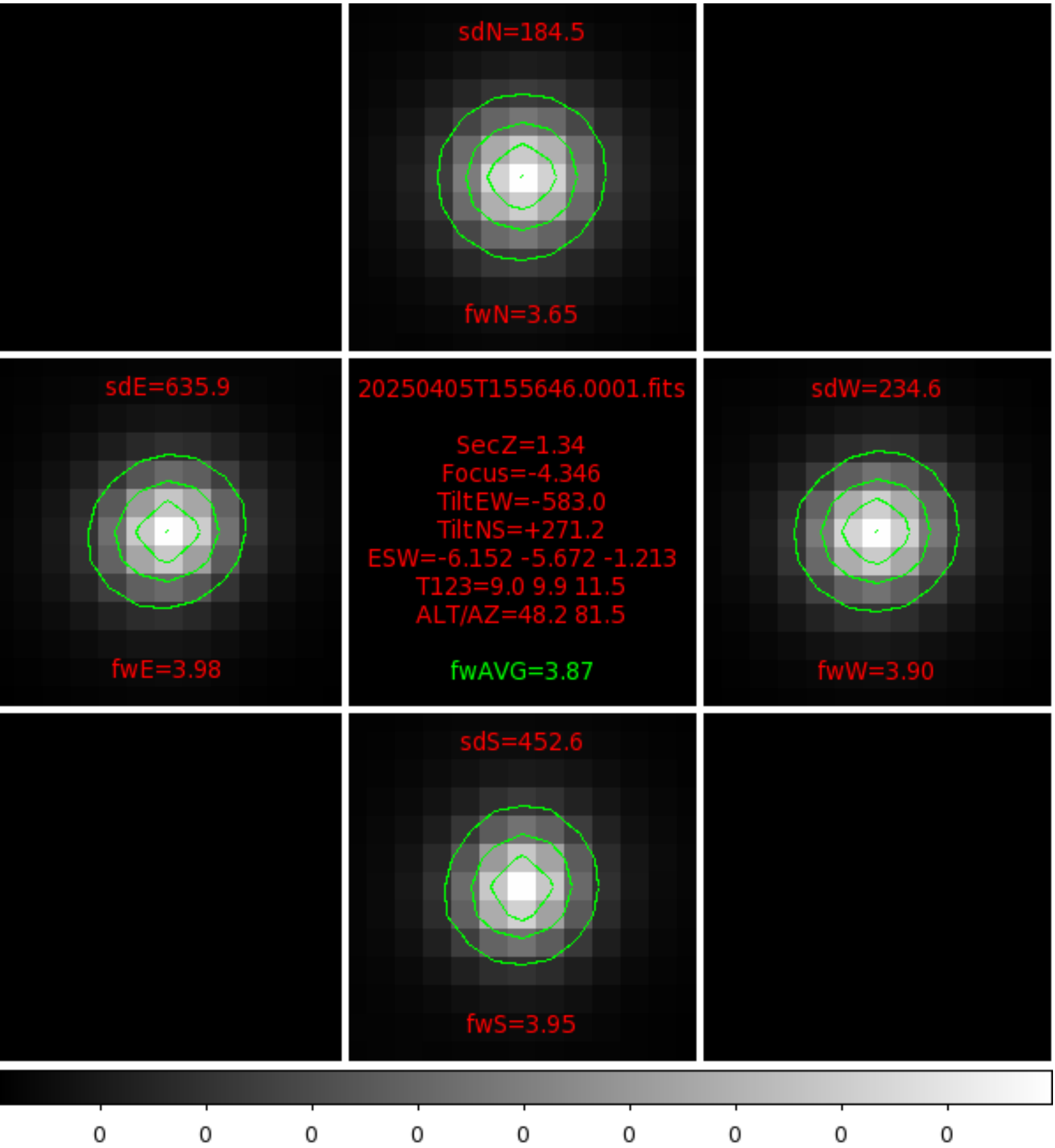
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sdE=635.9
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SecZ=1.34
Focus=-4.346
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=9.0 9.9 11.5
ALT/AZ=48.2 81.5
fwAVG=3.87
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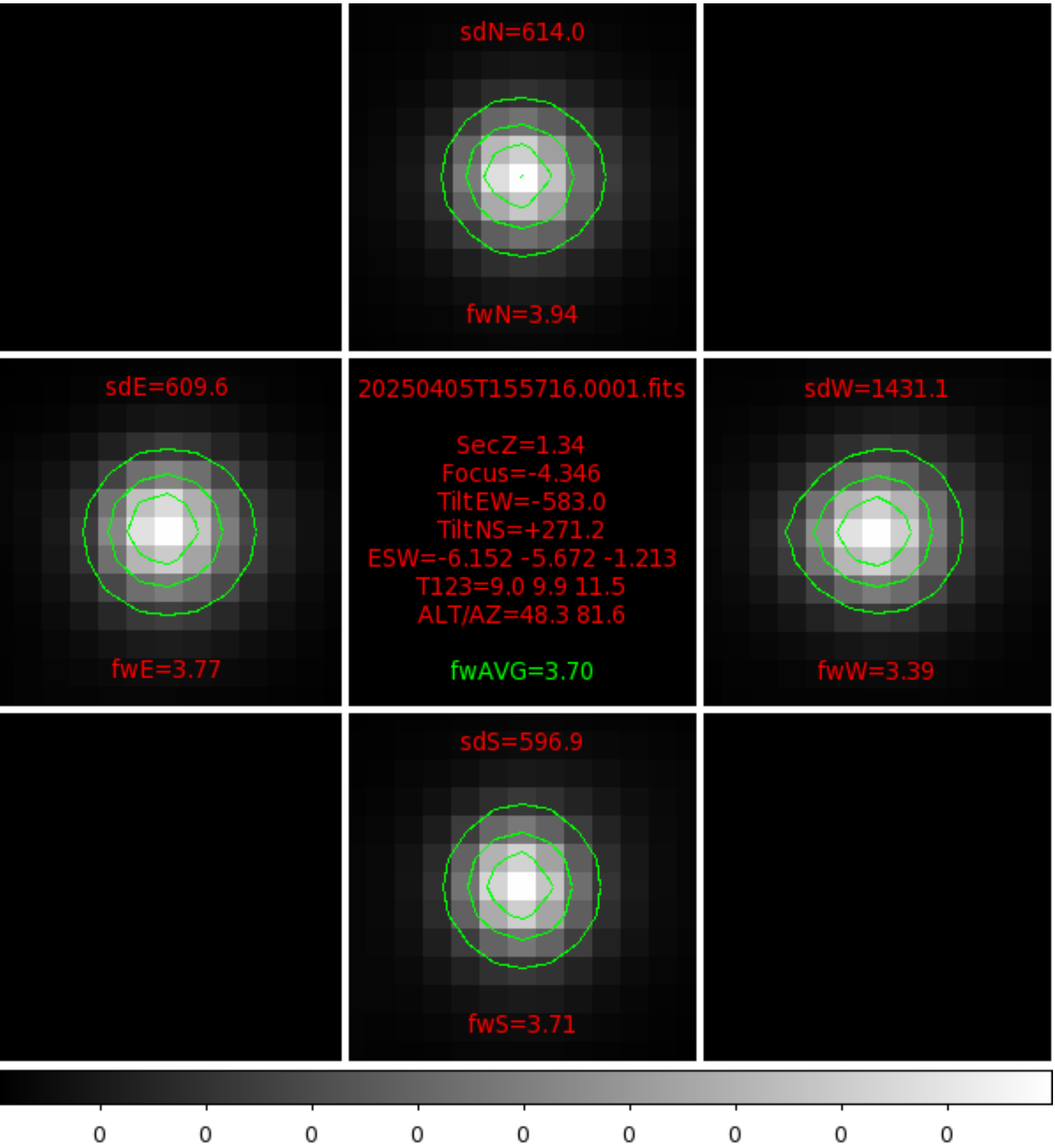
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Focus=-4.346
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=9.0 9.9 11.5
ALT/AZ=48.3 81.6
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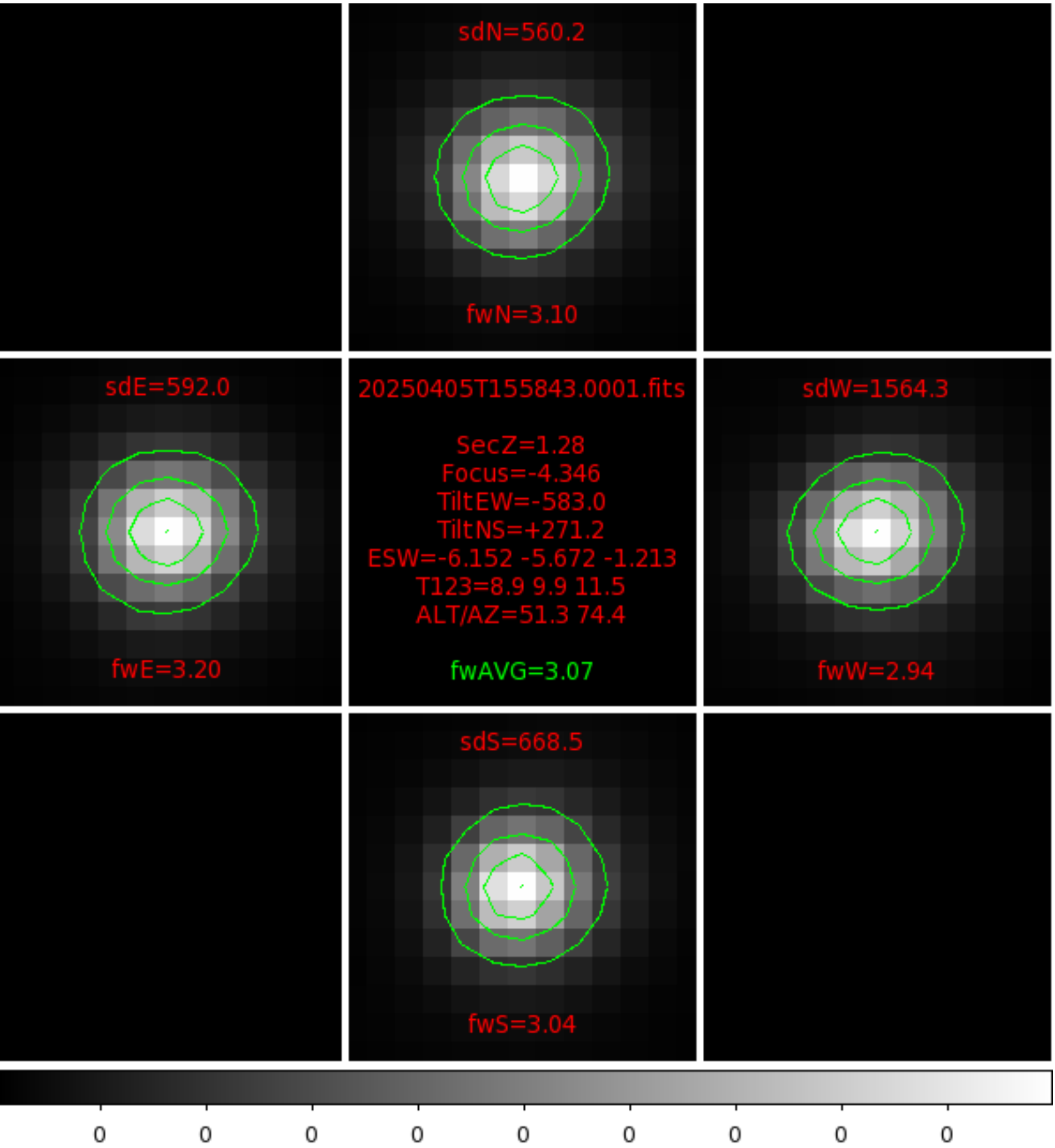
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TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=8.9 9.9 11.5
ALT/AZ=51.3 74.4
fwAVG=3.07
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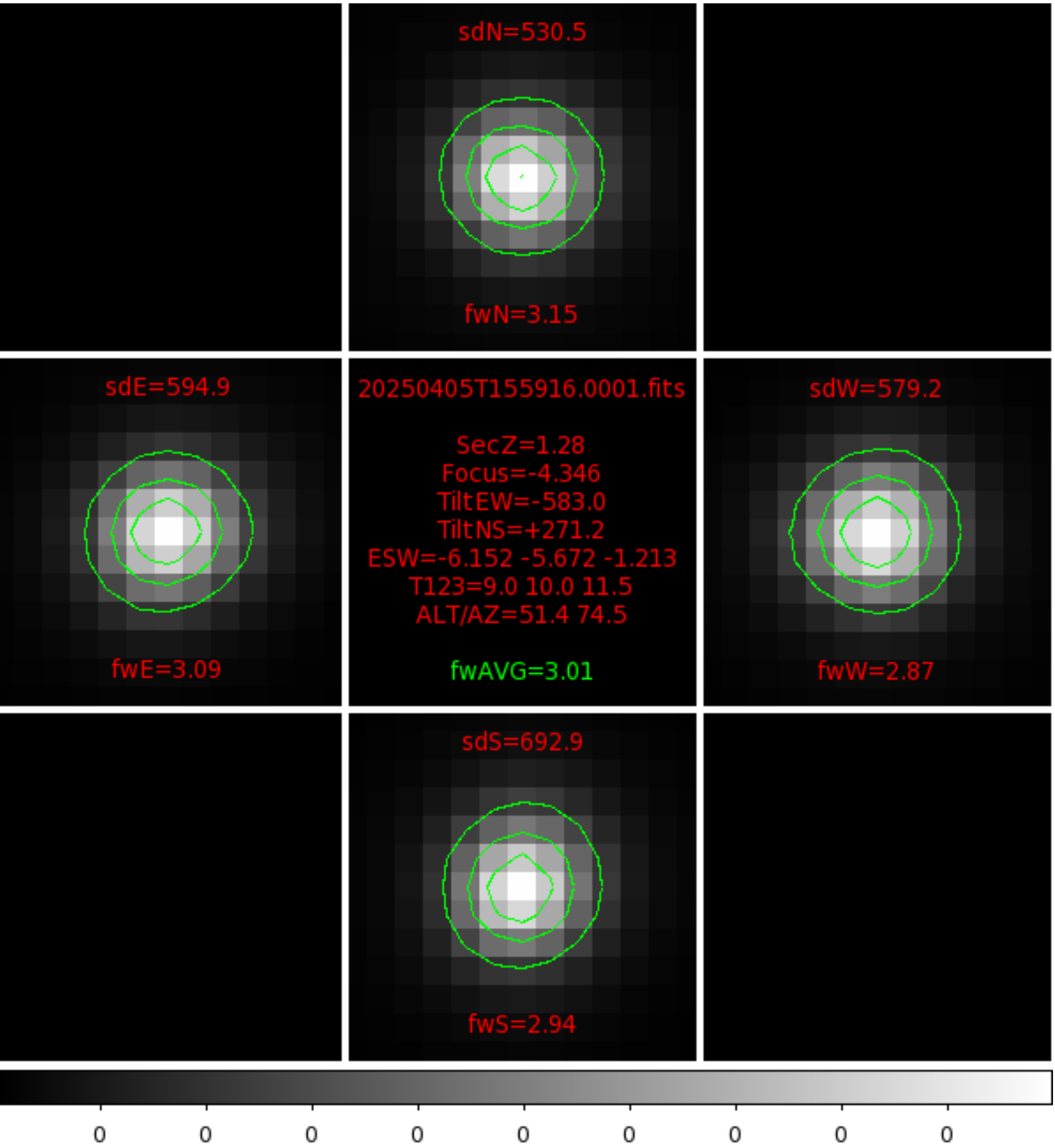
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sdE=594.9
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SecZ=1.28
Focus=-4.346
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=9.0 10.0 11.5
ALT/AZ=51.4 74.5
fwAVG=3.01
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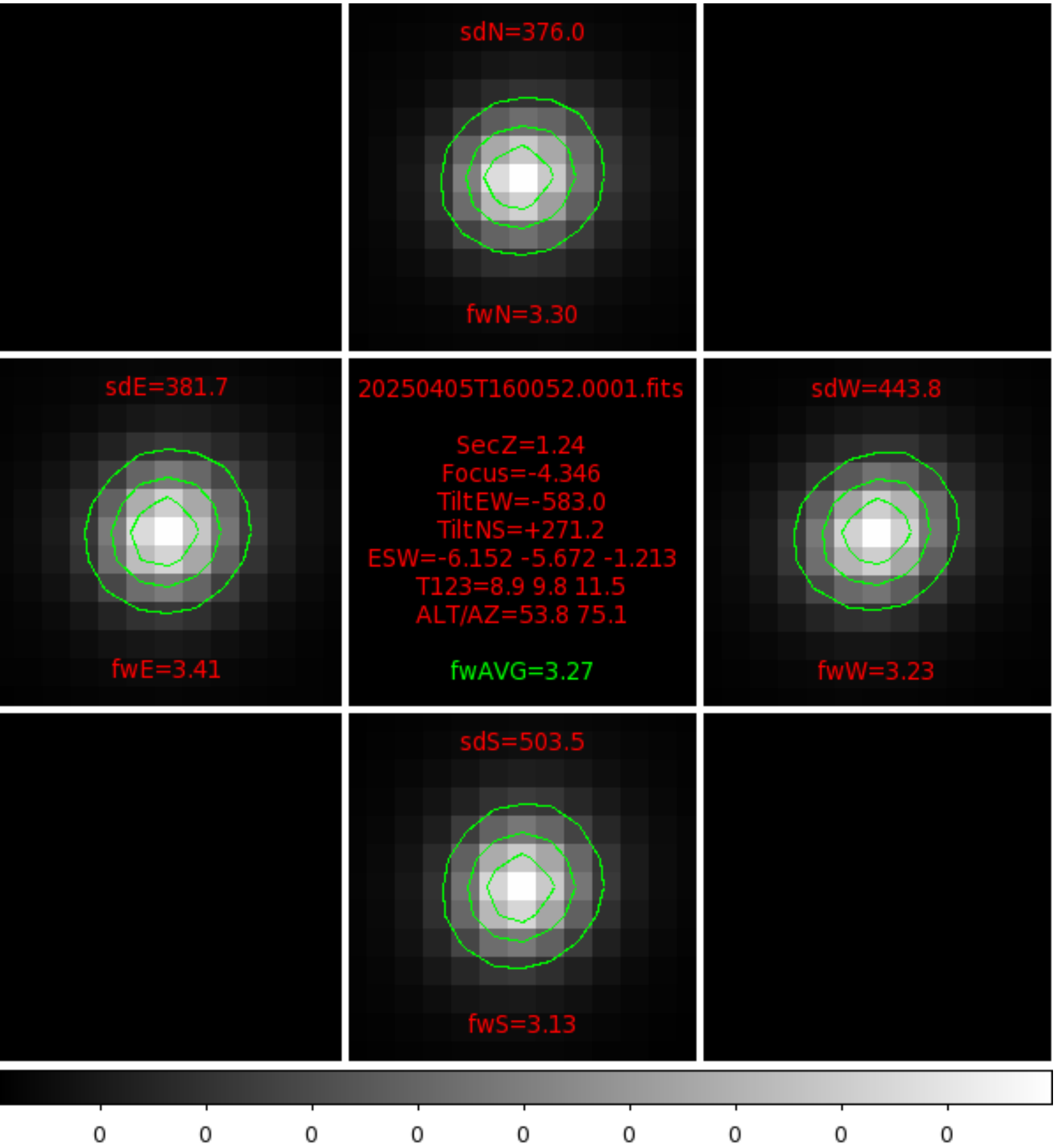
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sdE=381.7
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SecZ=1.24
Focus=-4.346
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=8.9 9.8 11.5
ALT/AZ=53.8 75.1
fwAVG=3.27
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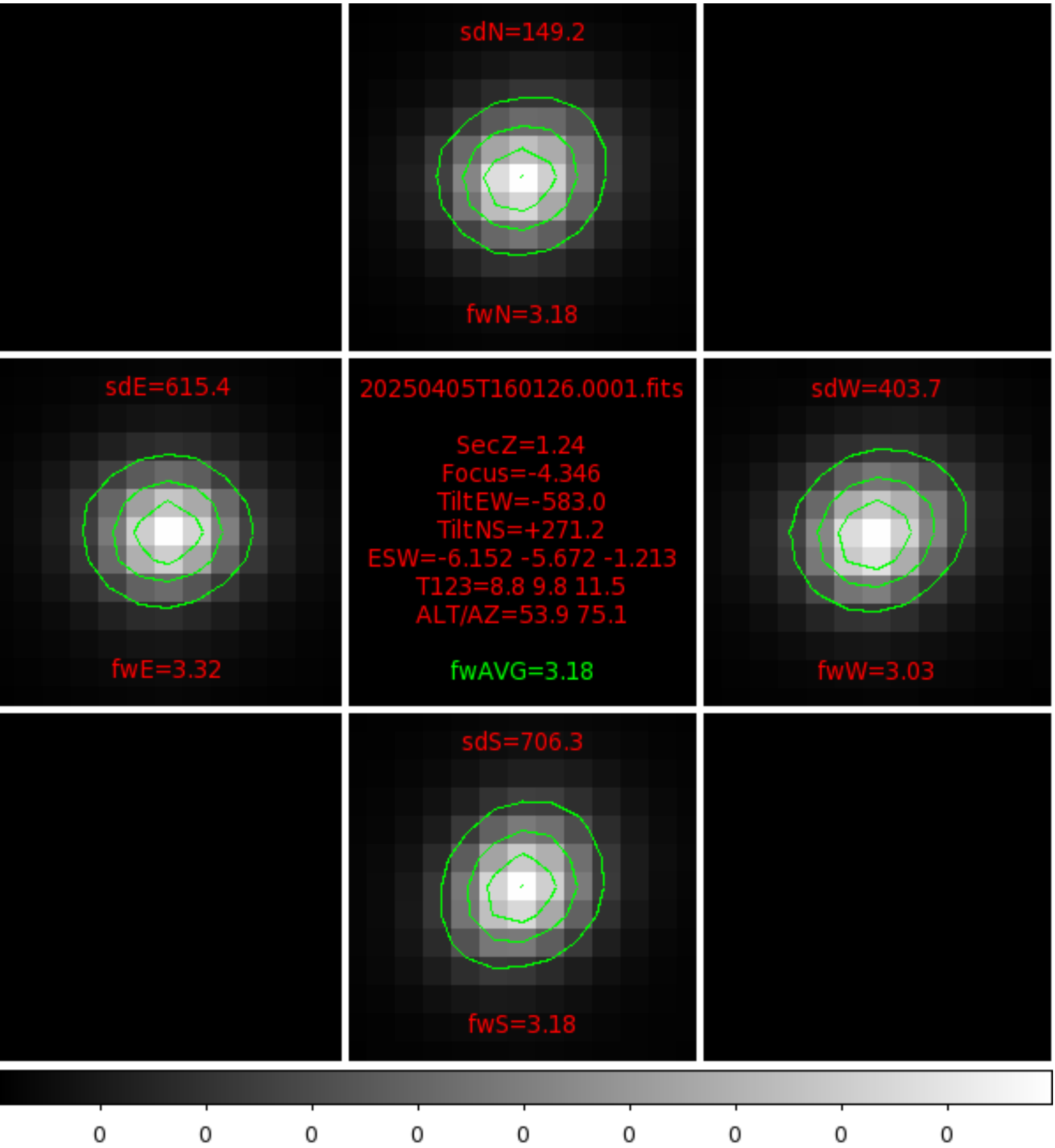
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sdE=615.4
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SecZ=1.24
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TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=8.8 9.8 11.5
ALT/AZ=53.9 75.1
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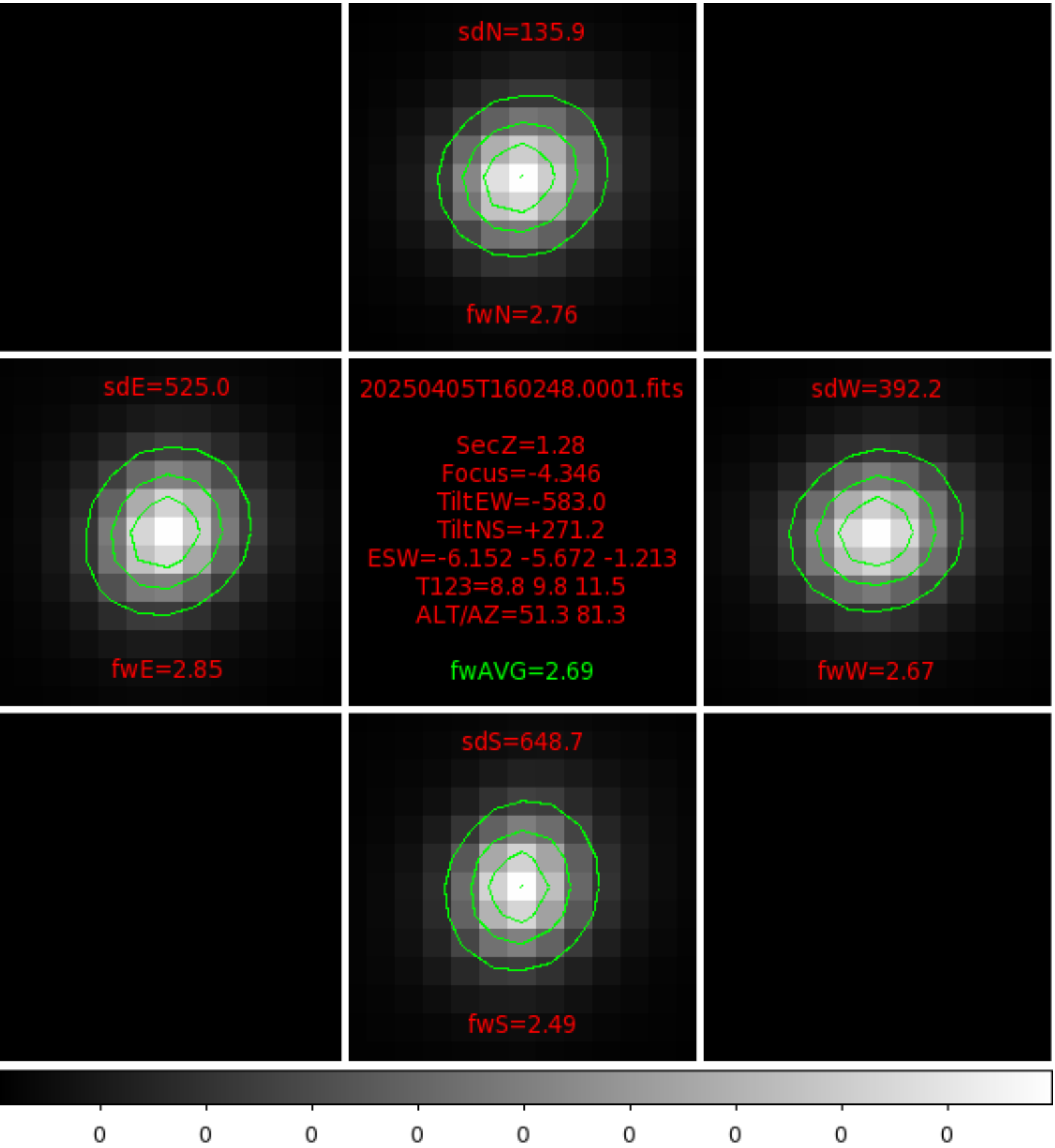
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sdE=525.0
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Focus=-4.346
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=8.8 9.8 11.5
ALT/AZ=51.3 81.3
fwAVG=2.69
sdW=392.2
fwW=2.67
sdS=648.7
fwS=2.49
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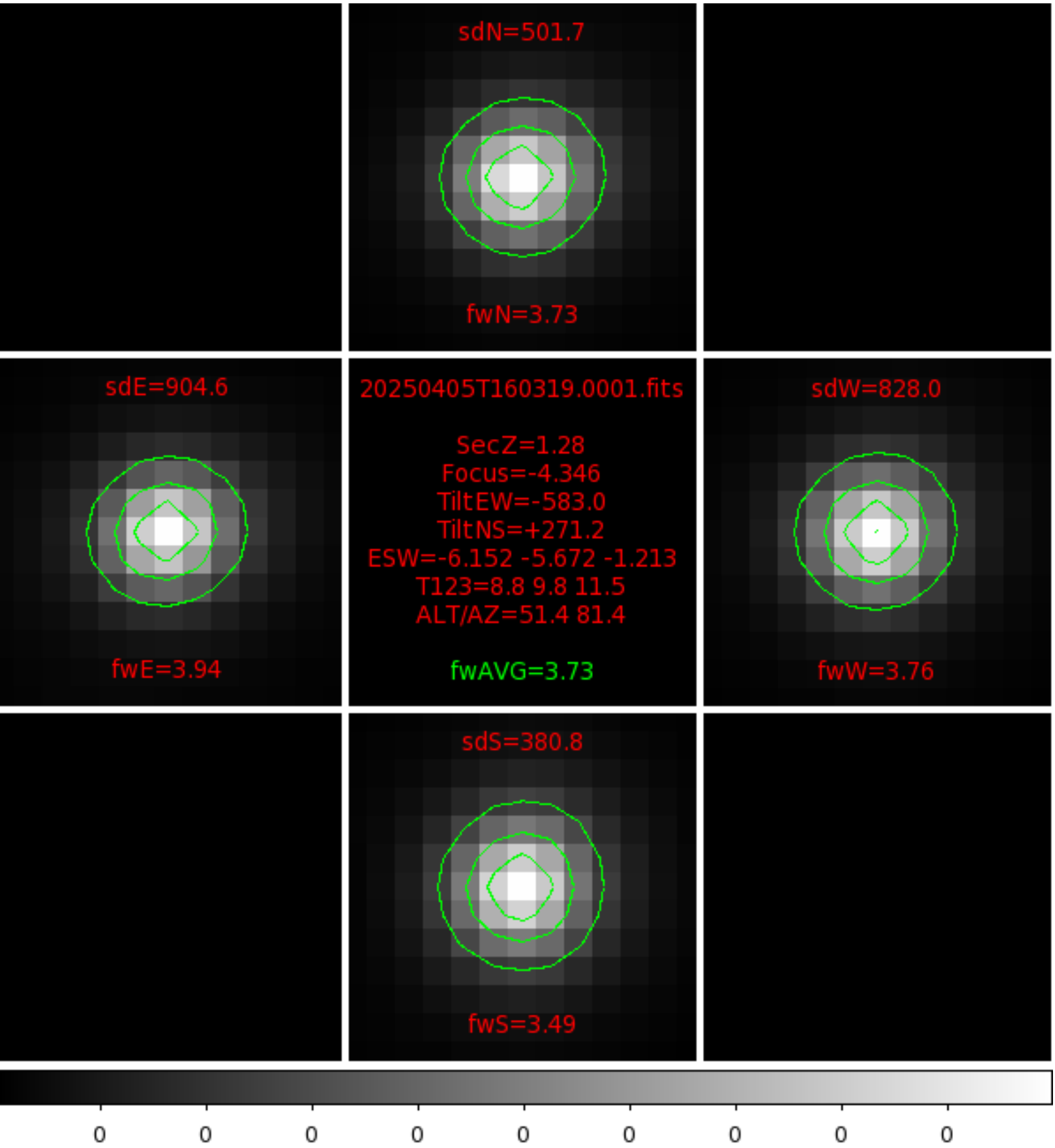
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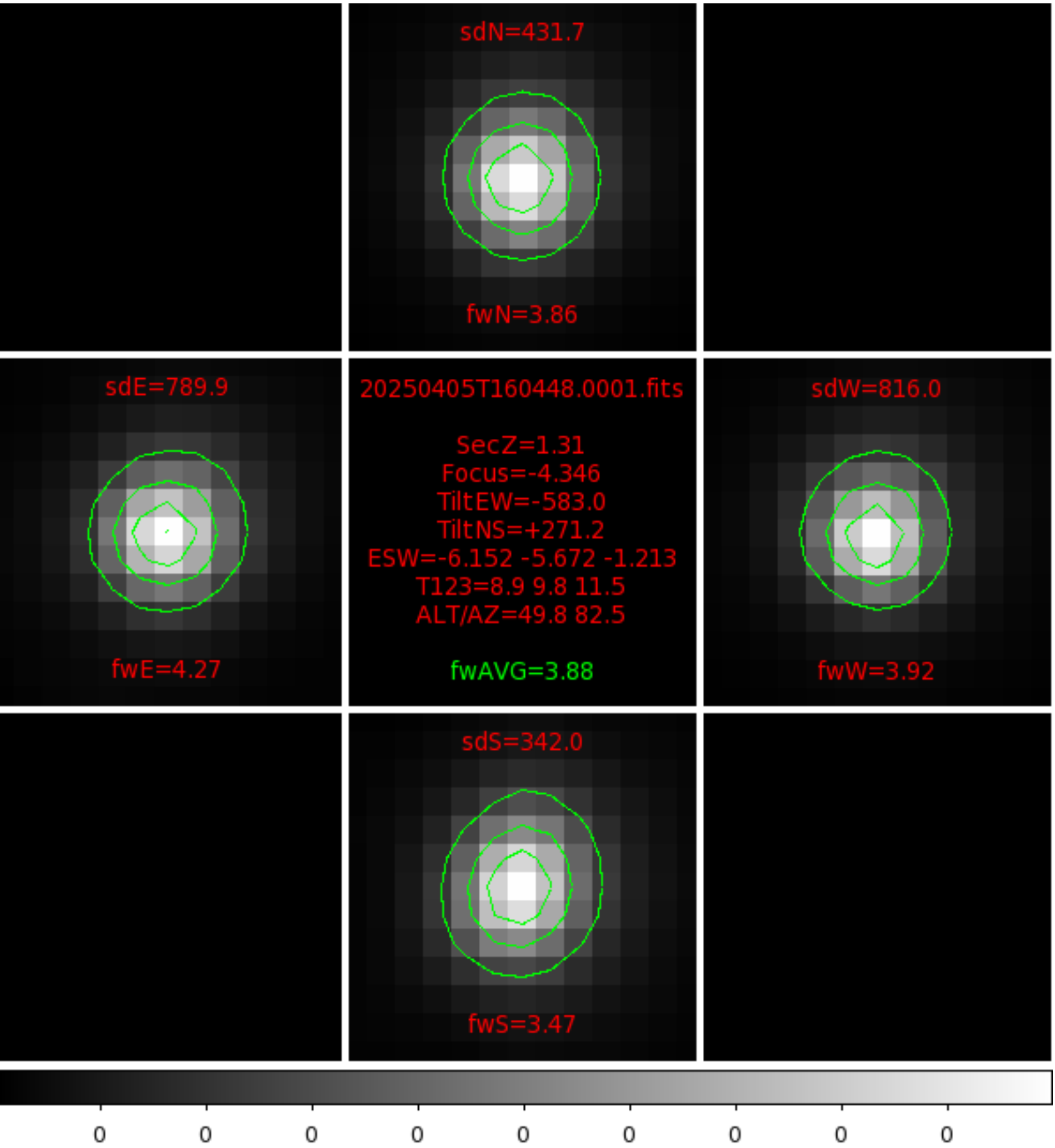
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T123=8.9 9.8 11.5
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fwAVG=3.88
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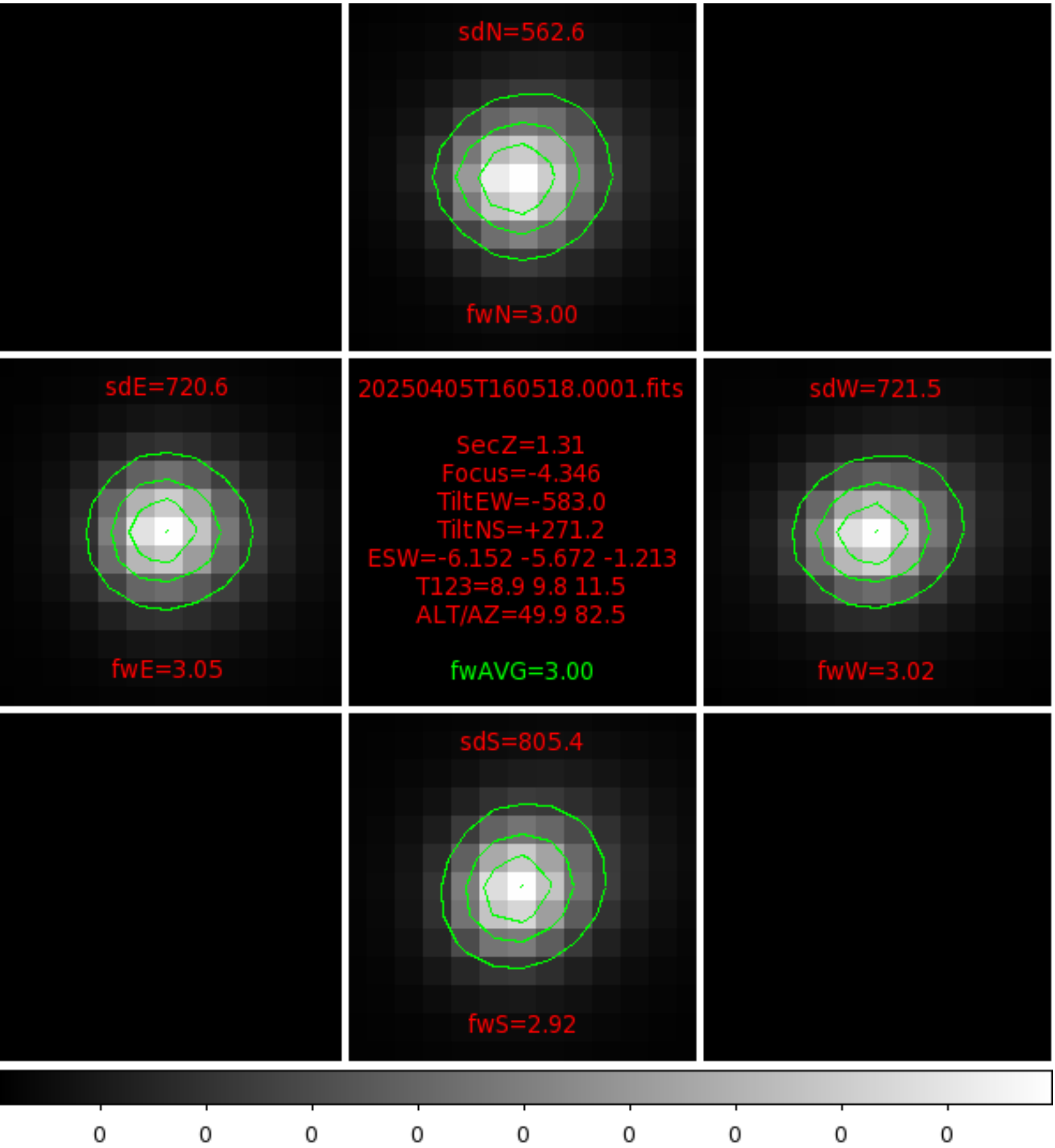
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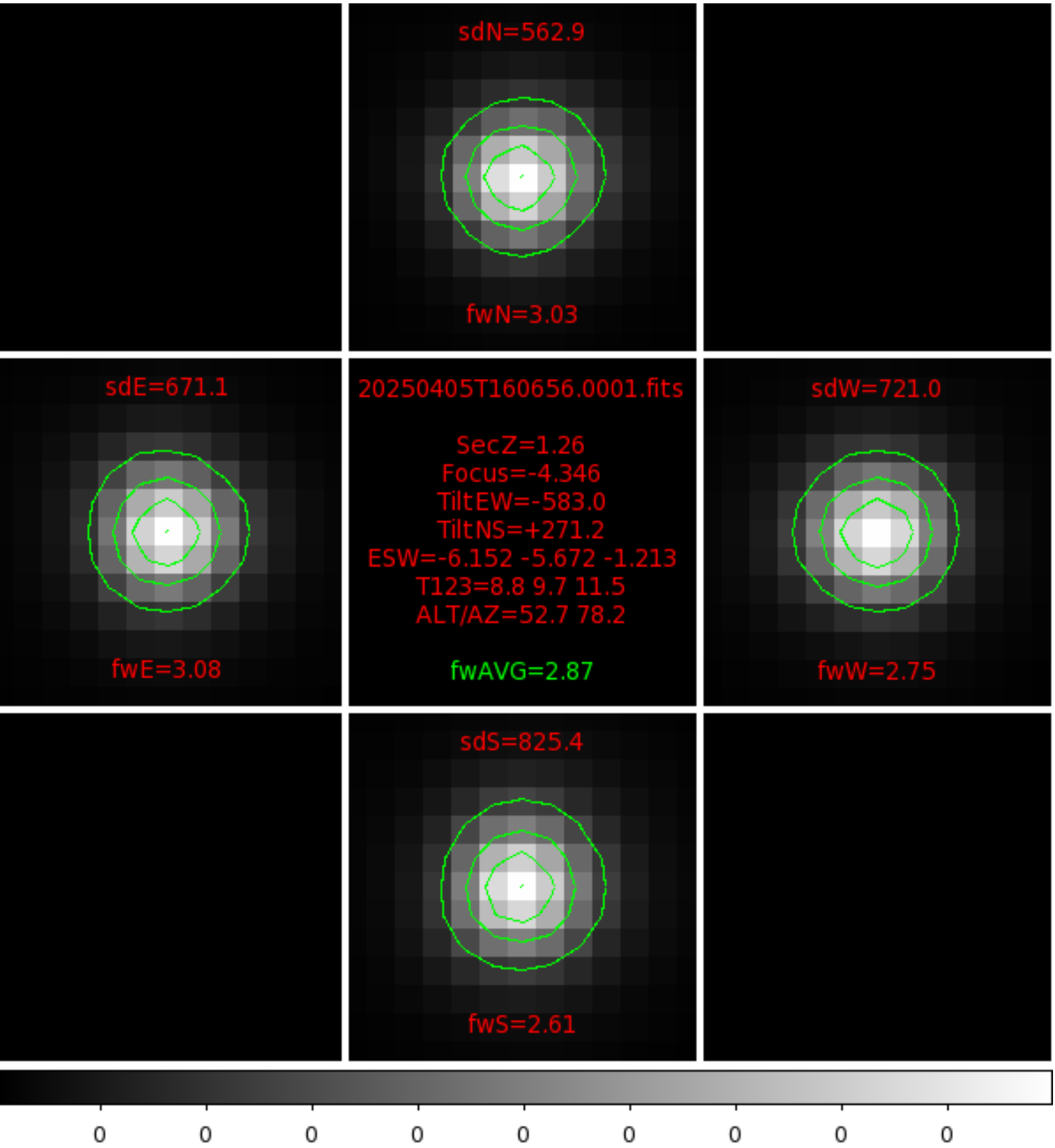
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T123=8.8 9.7 11.5
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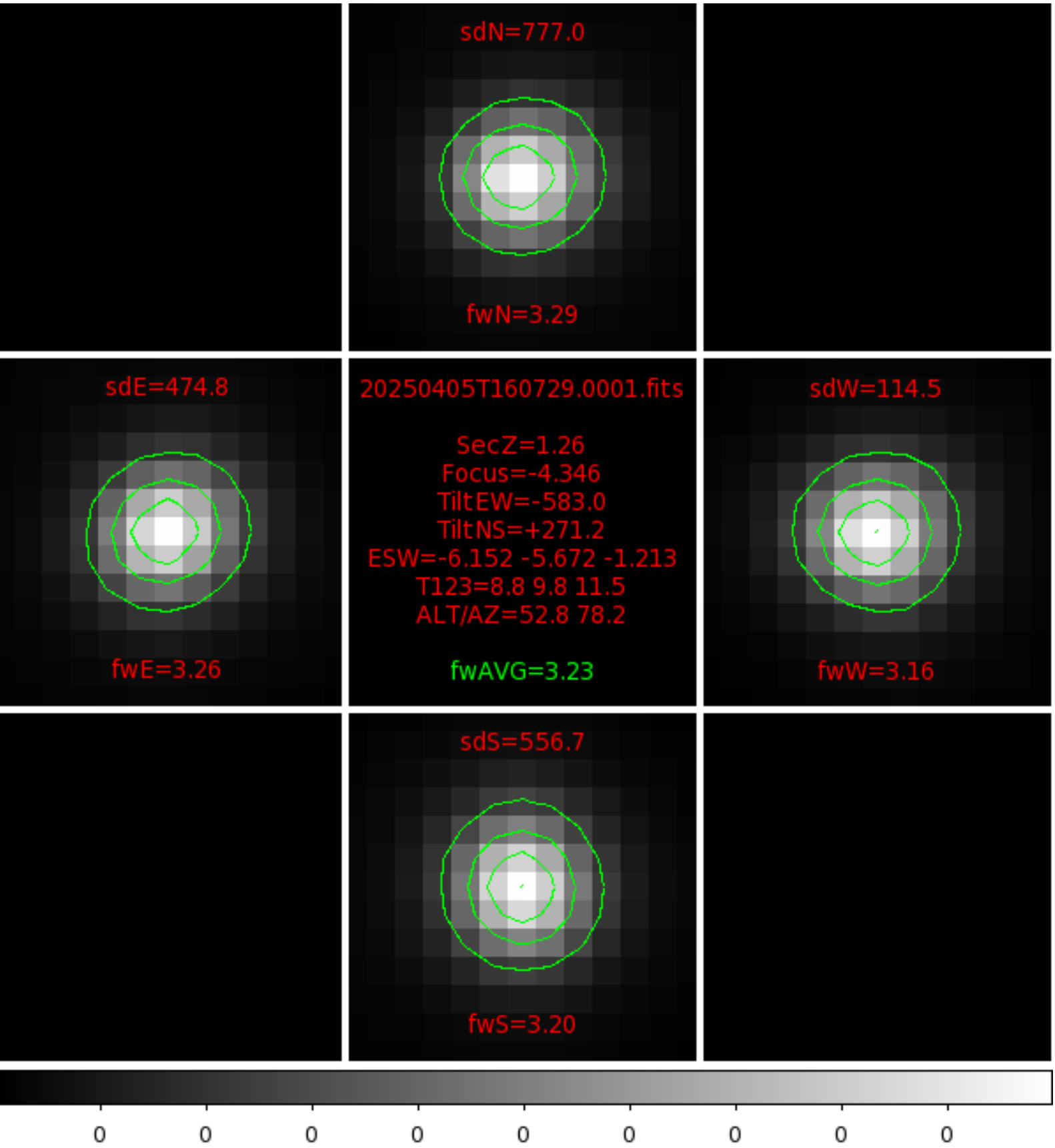
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T123=8.8 9.8 11.5
ALT/AZ=52.8 78.2
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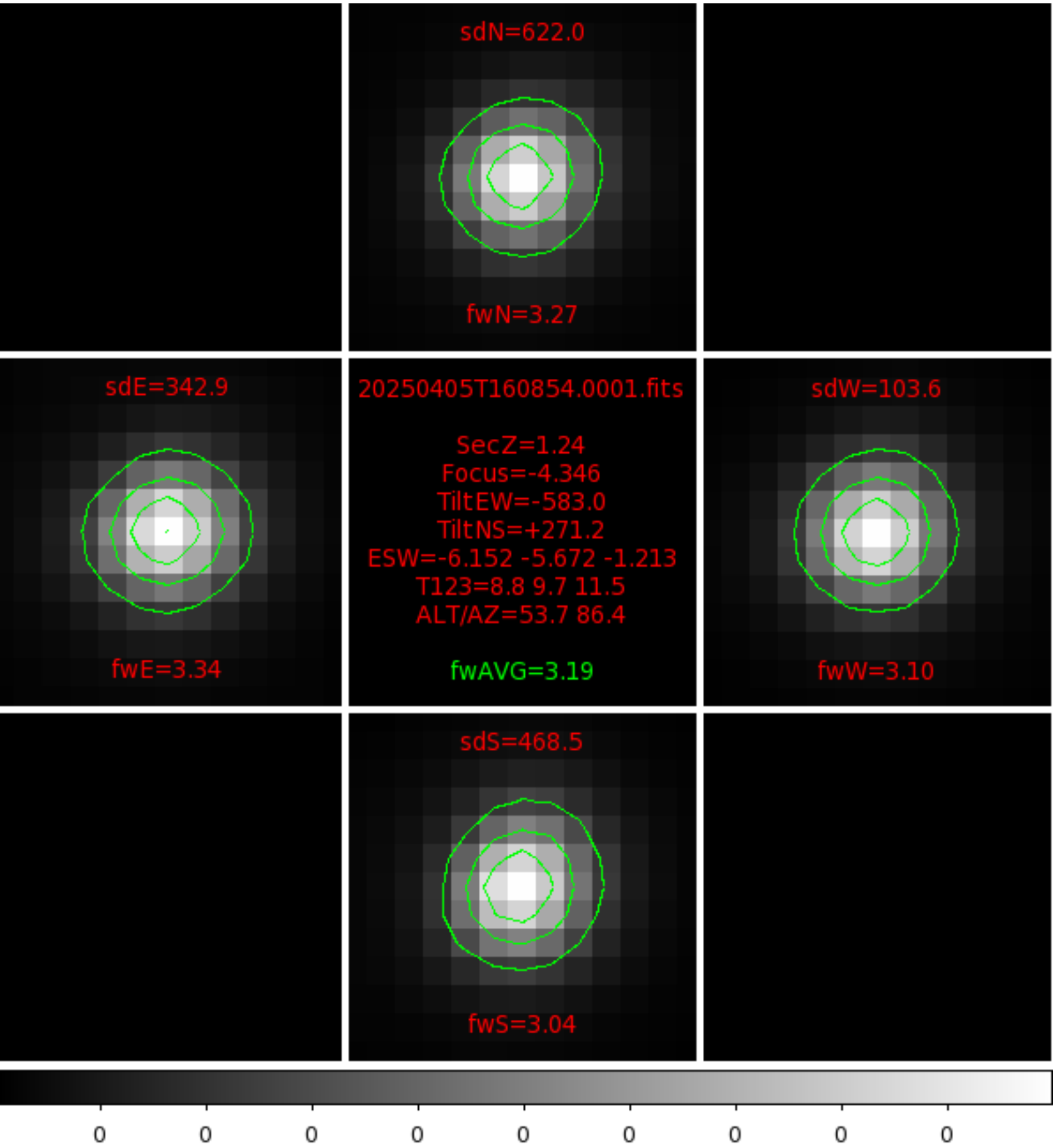
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ESW=-6.152 -5.672 -1.213
T123=8.8 9.7 11.5
ALT/AZ=53.7 86.4
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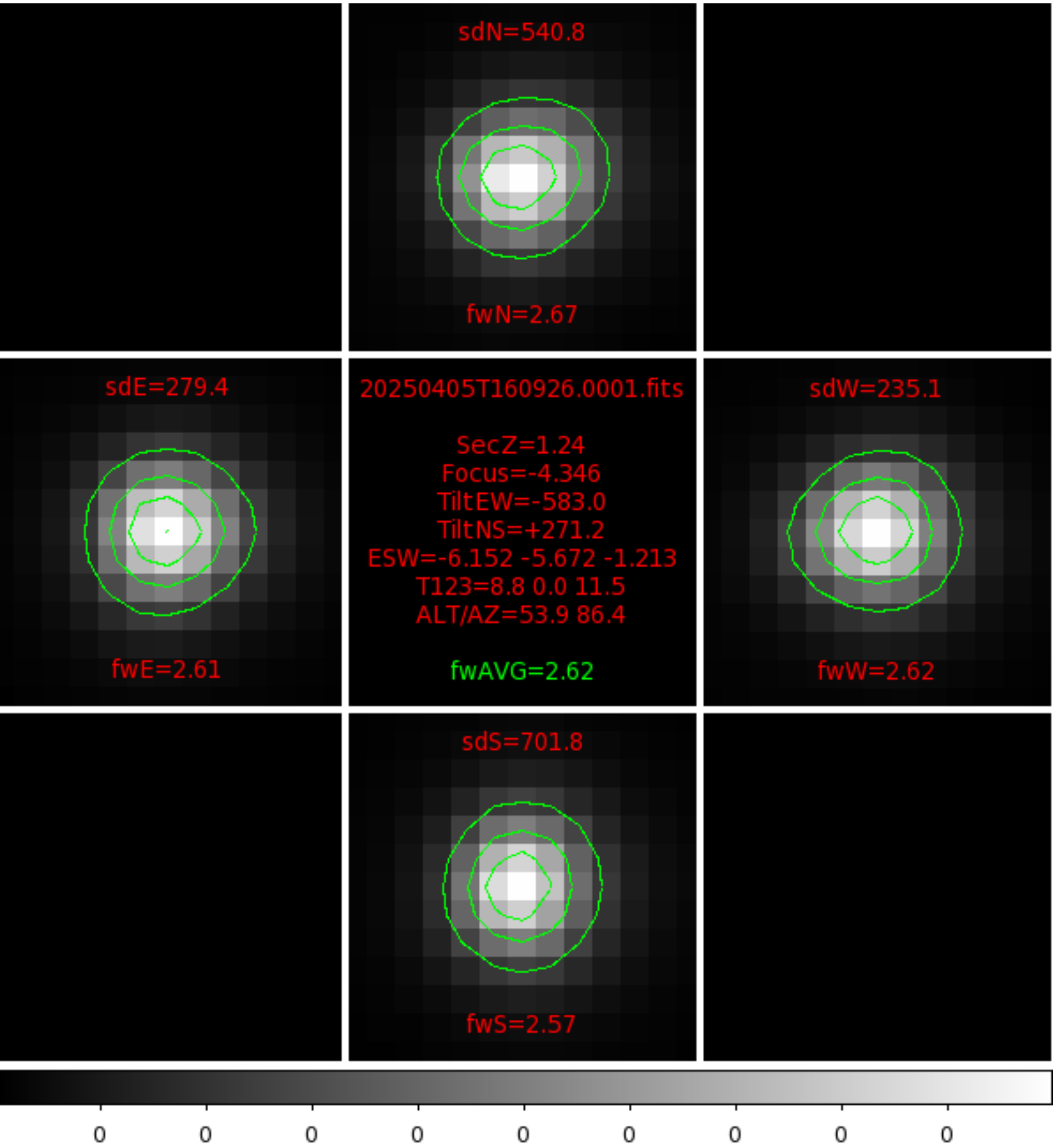
sdN=540.8
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SecZ=1.24
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TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=8.8 0.0 11.5
ALT/AZ=53.9 86.4
fwAVG=2.62
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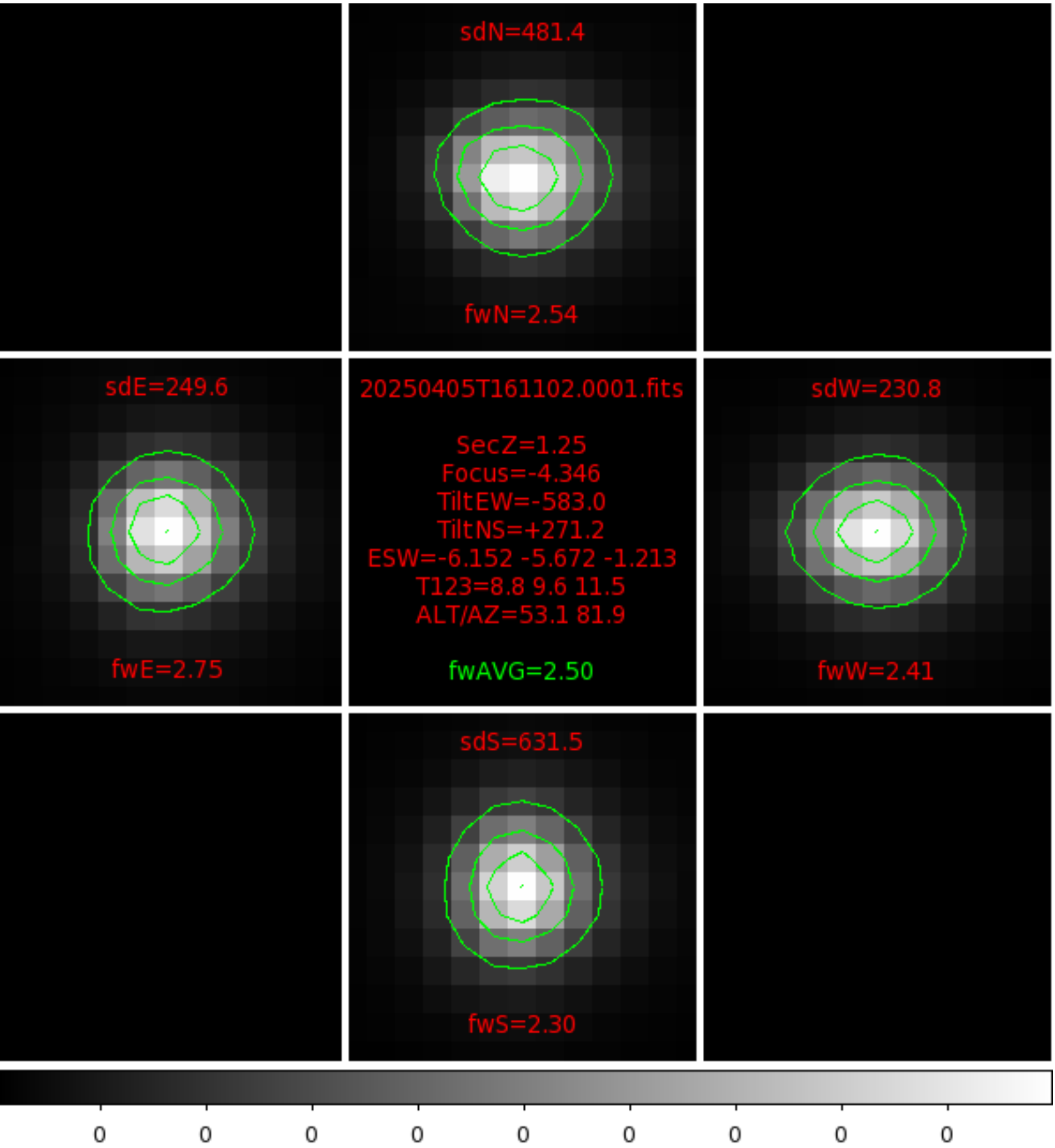
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Focus=-4.346
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=8.8 9.6 11.5
ALT/AZ=53.1 81.9
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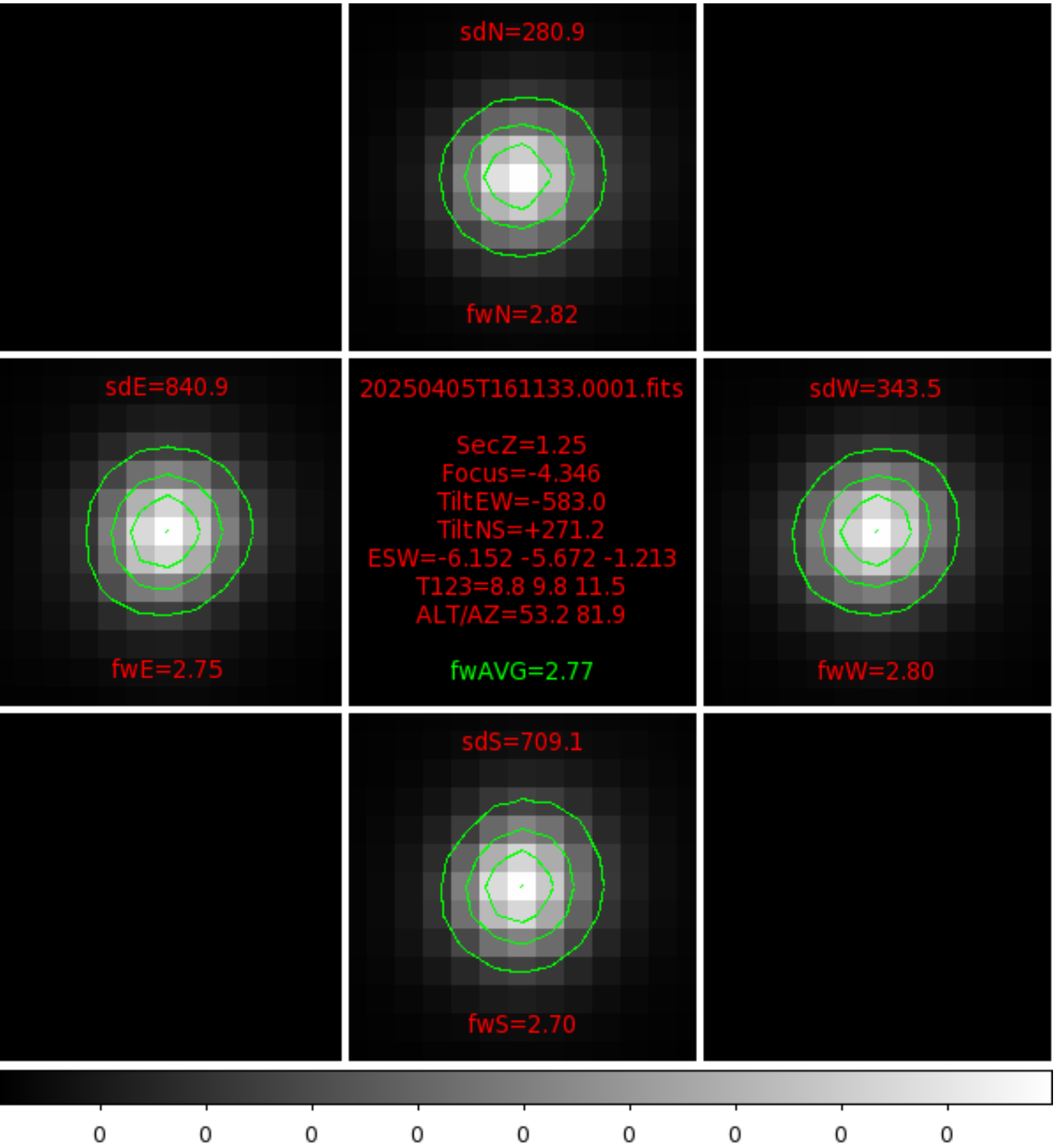
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=8.8 9.8 11.5
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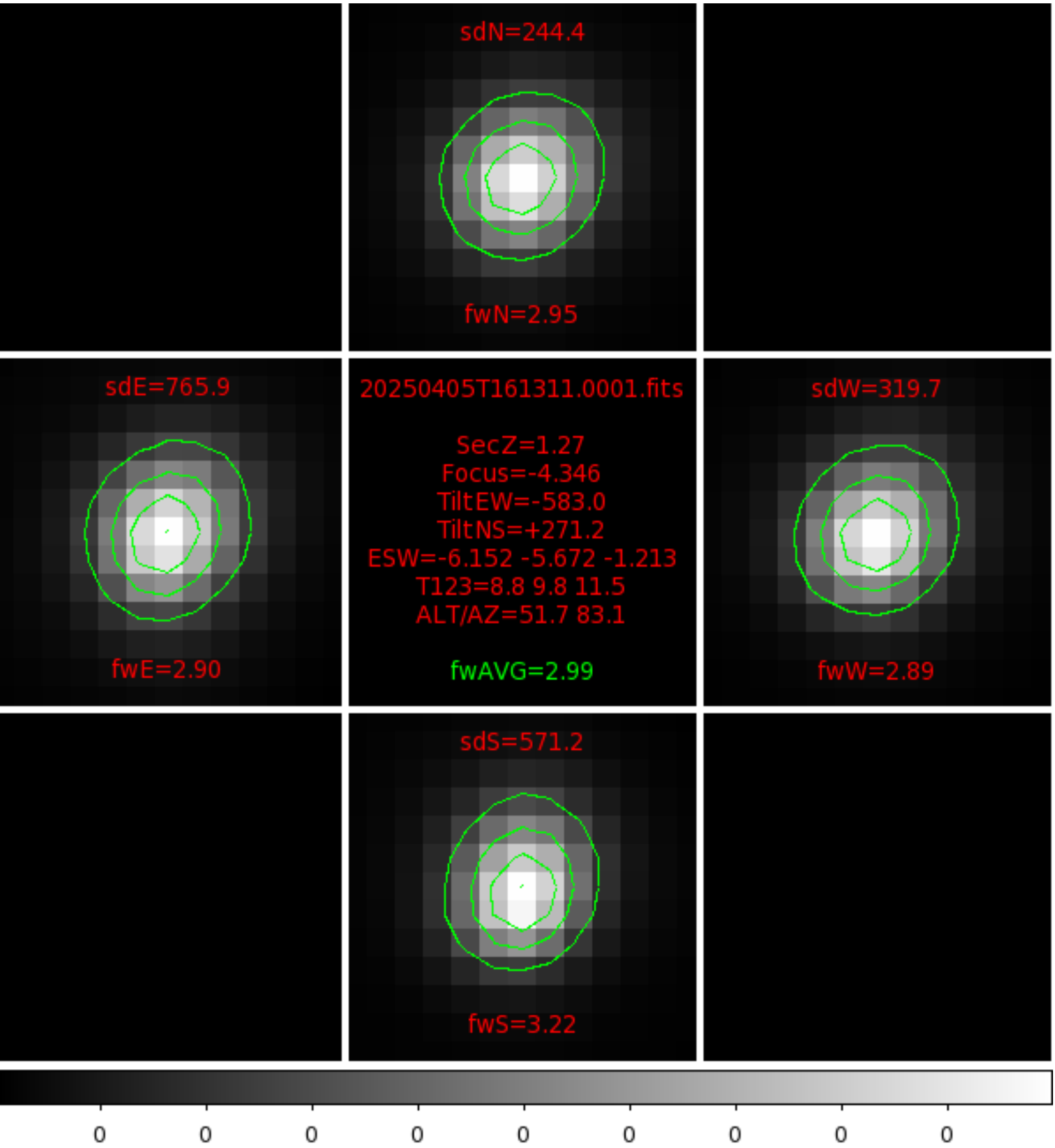
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Focus=-4.346
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=8.8 9.8 11.5
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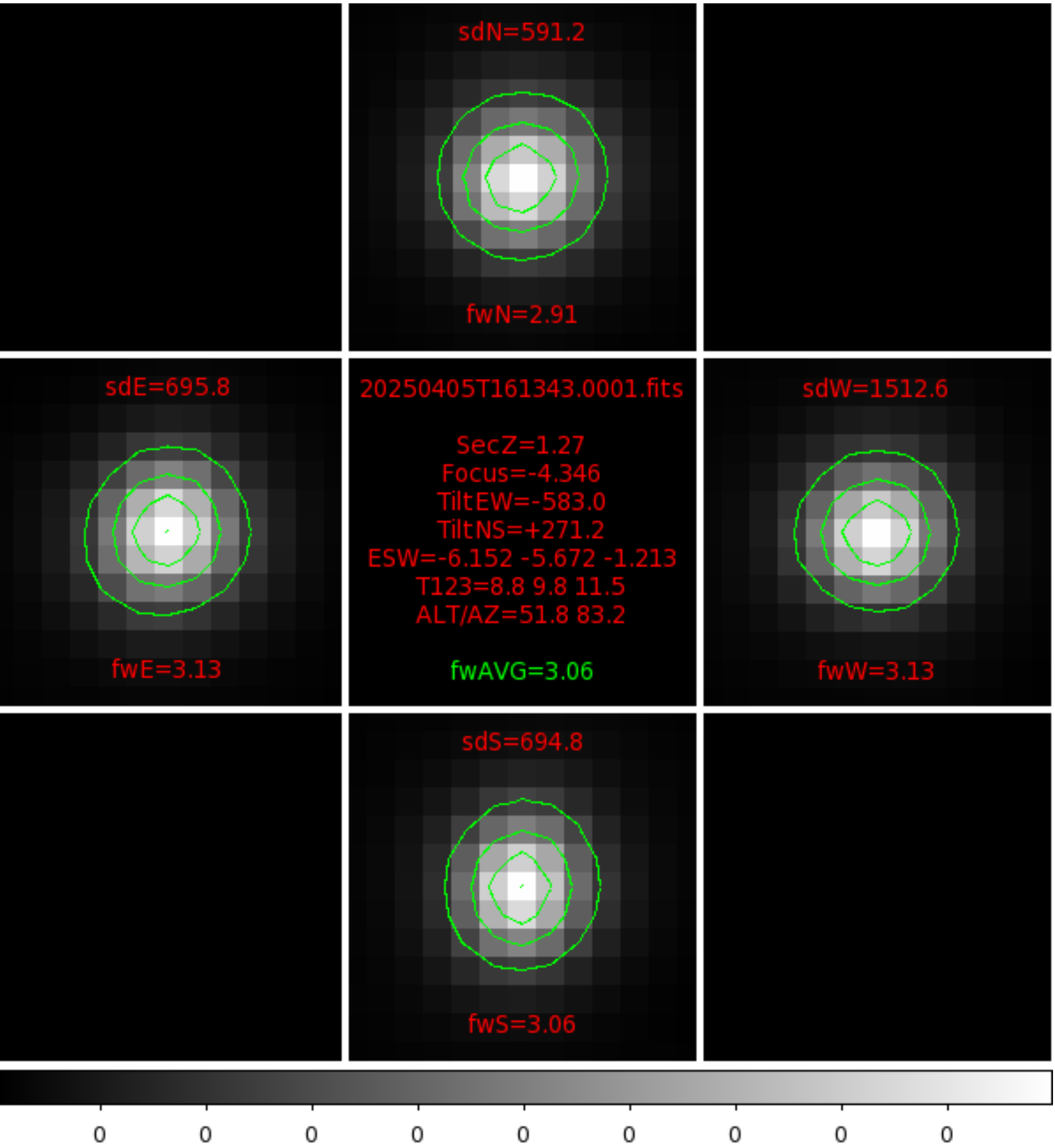
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SecZ=1.27
Focus=-4.346
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=8.8 9.8 11.5
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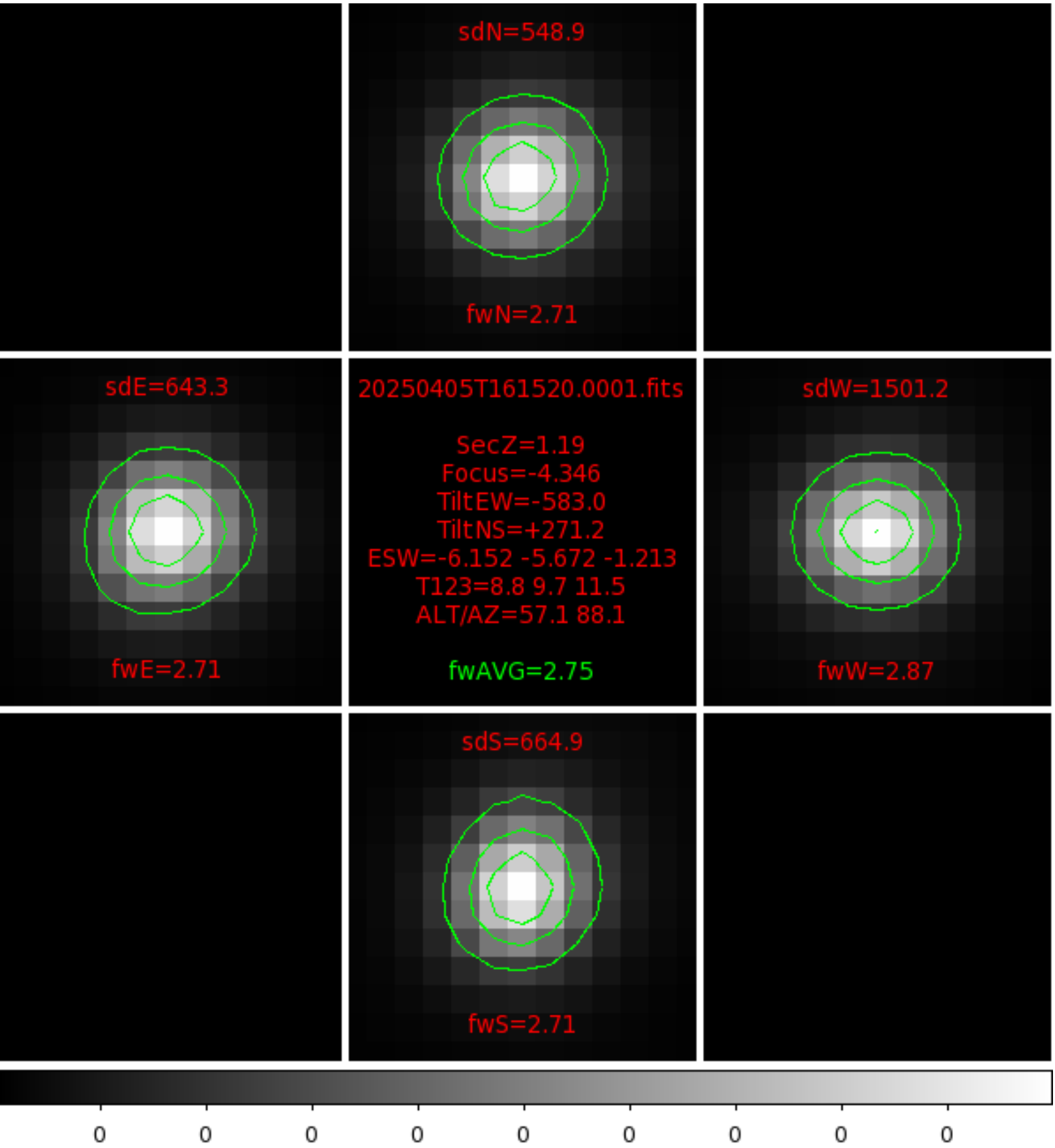
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=8.8 9.7 11.5
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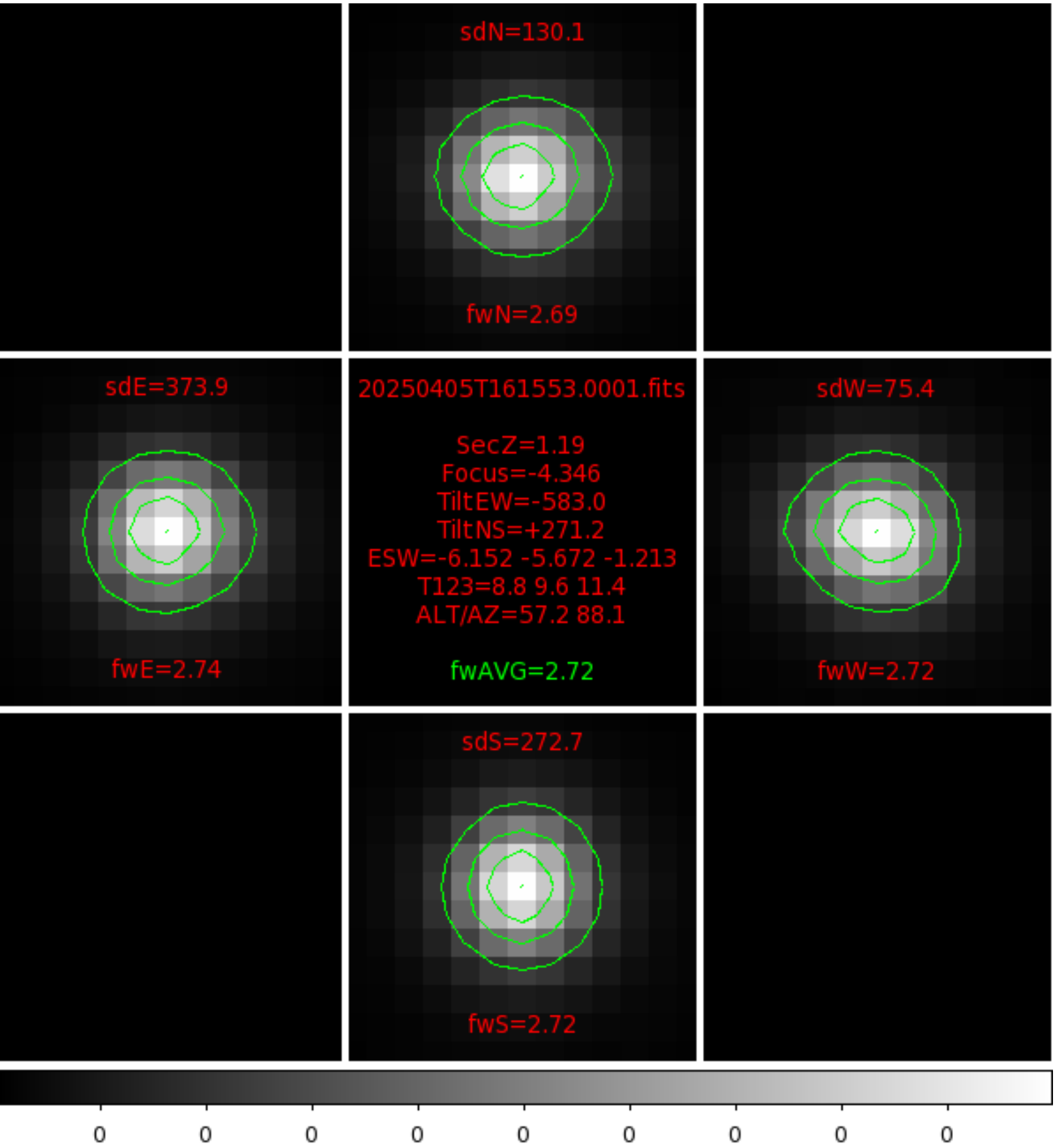
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=8.8 9.6 11.4
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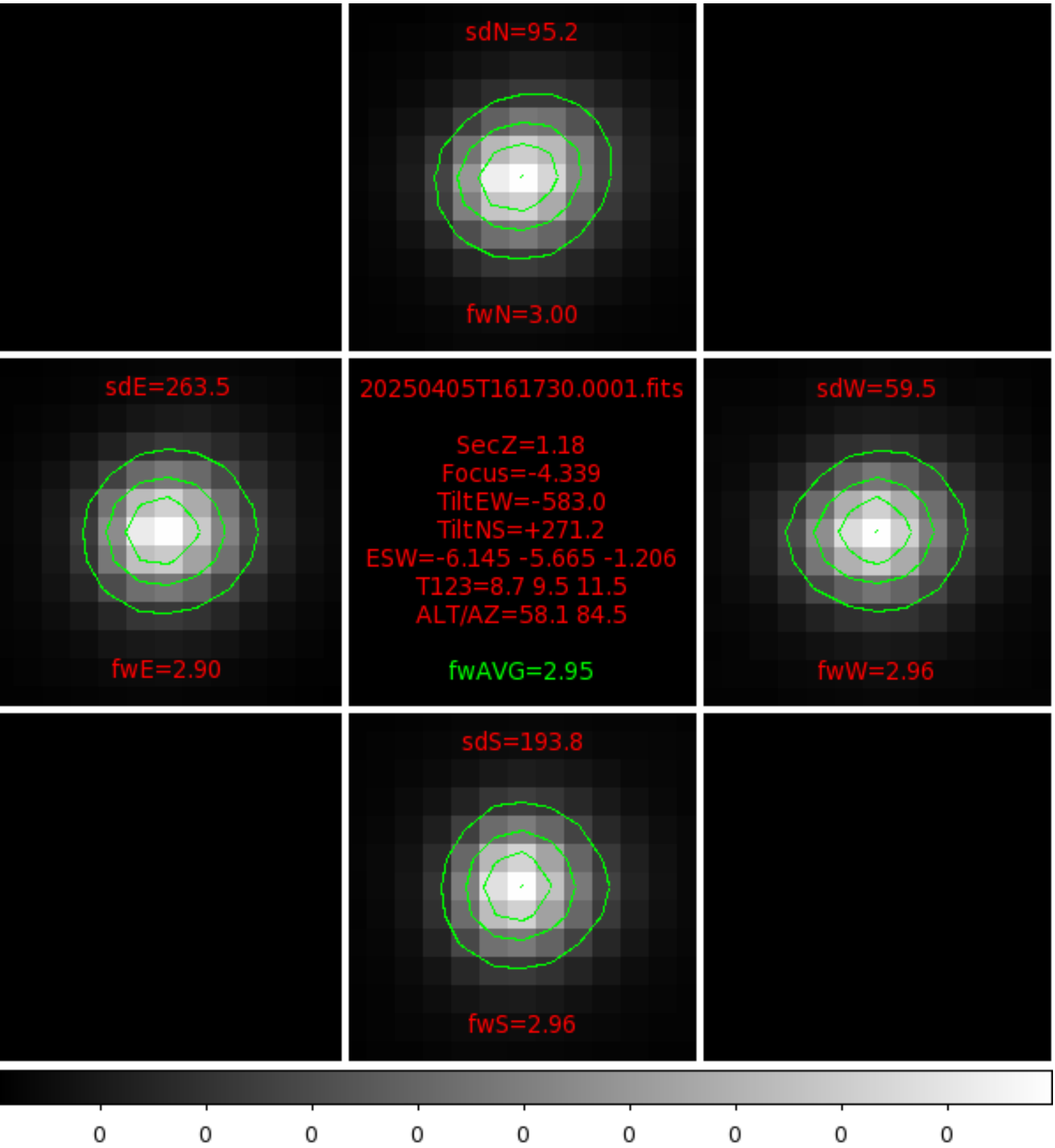
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Focus=-4.339
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.145 -5.665 -1.206
T123=8.7 9.5 11.5
ALT/AZ=58.1 84.5
fwAVG=2.95
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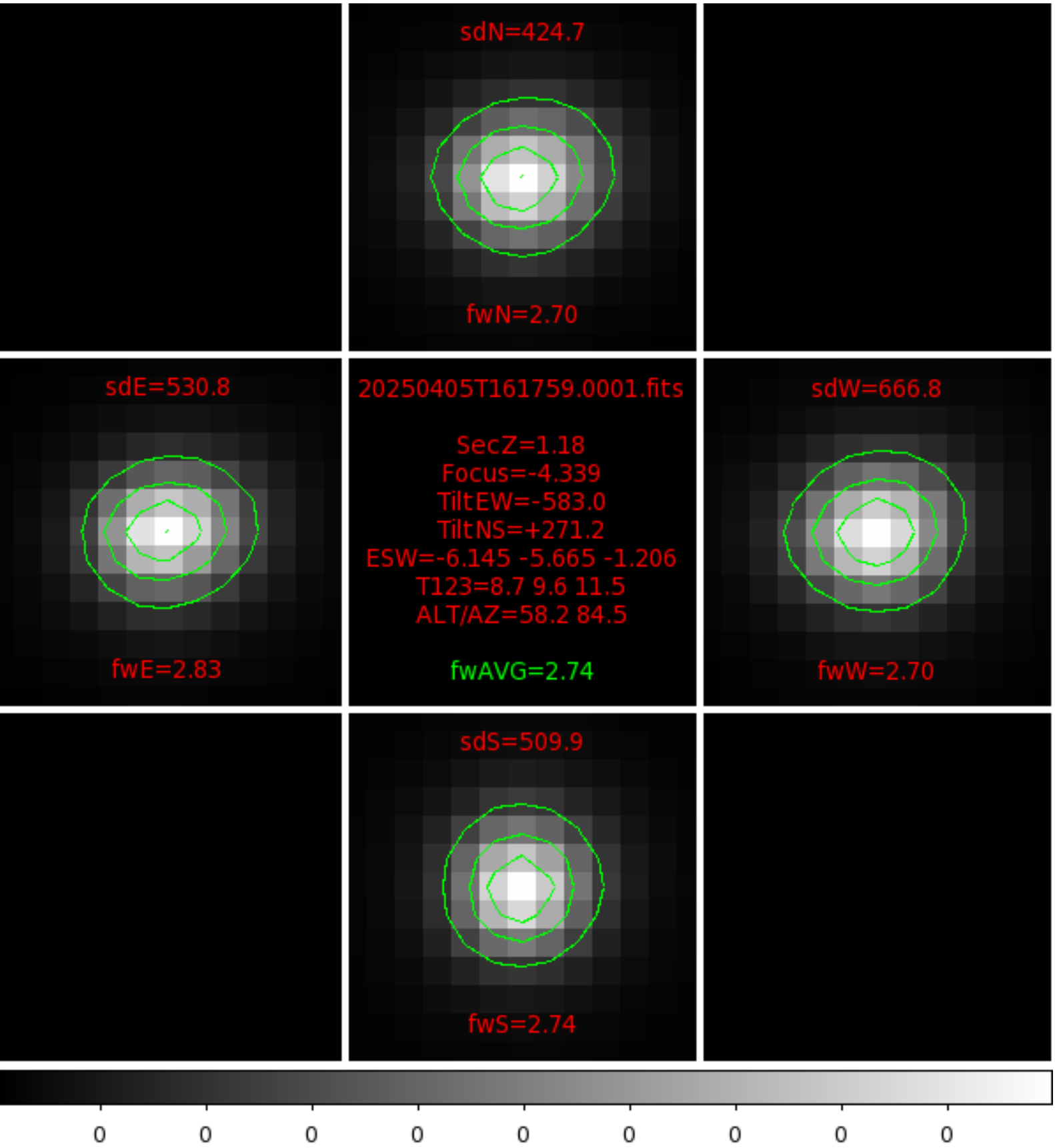
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TiltNS=+271.2
ESW=-6.145 -5.665 -1.206
T123=8.7 9.6 11.5
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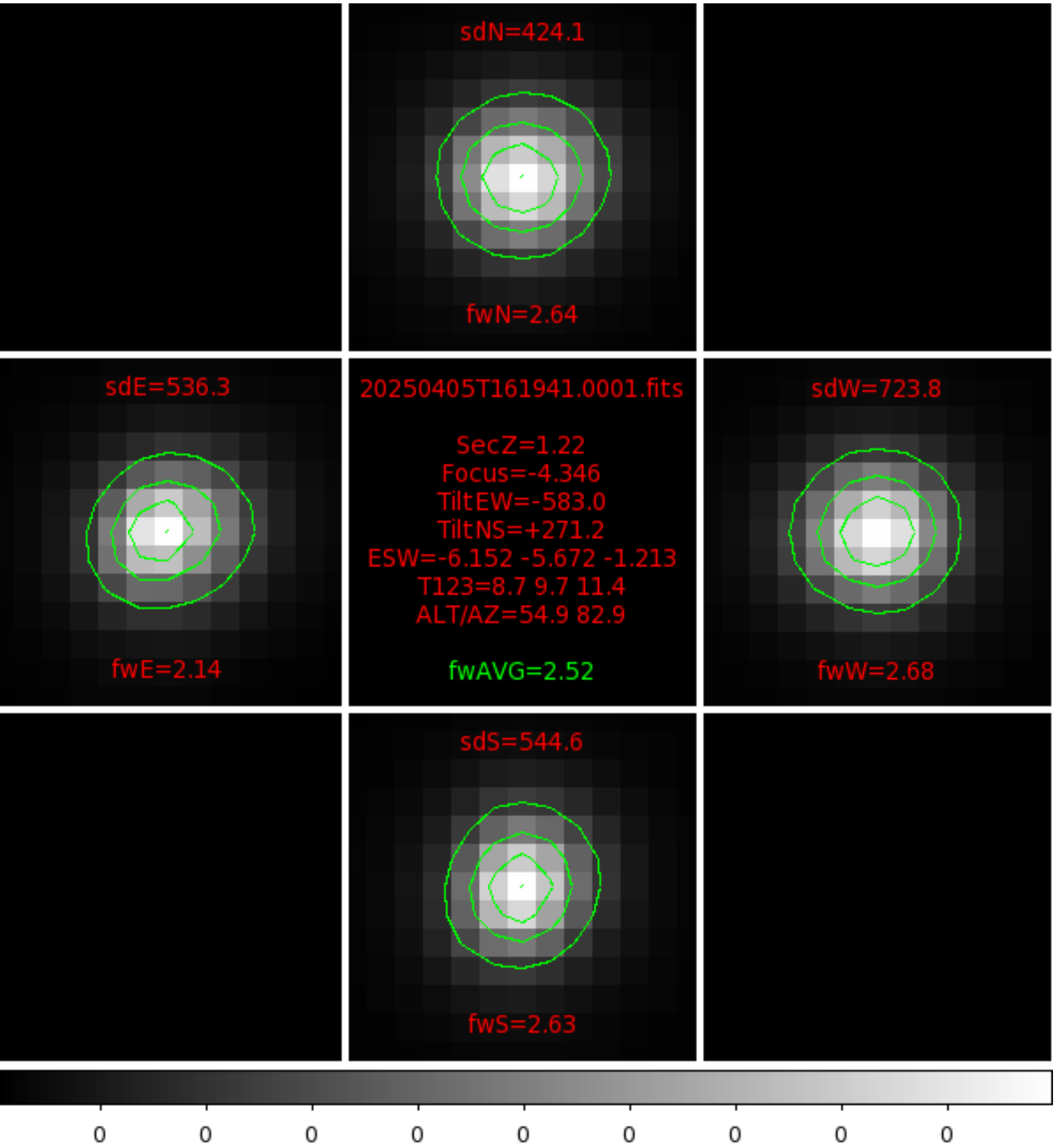
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TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=8.7 9.7 11.4
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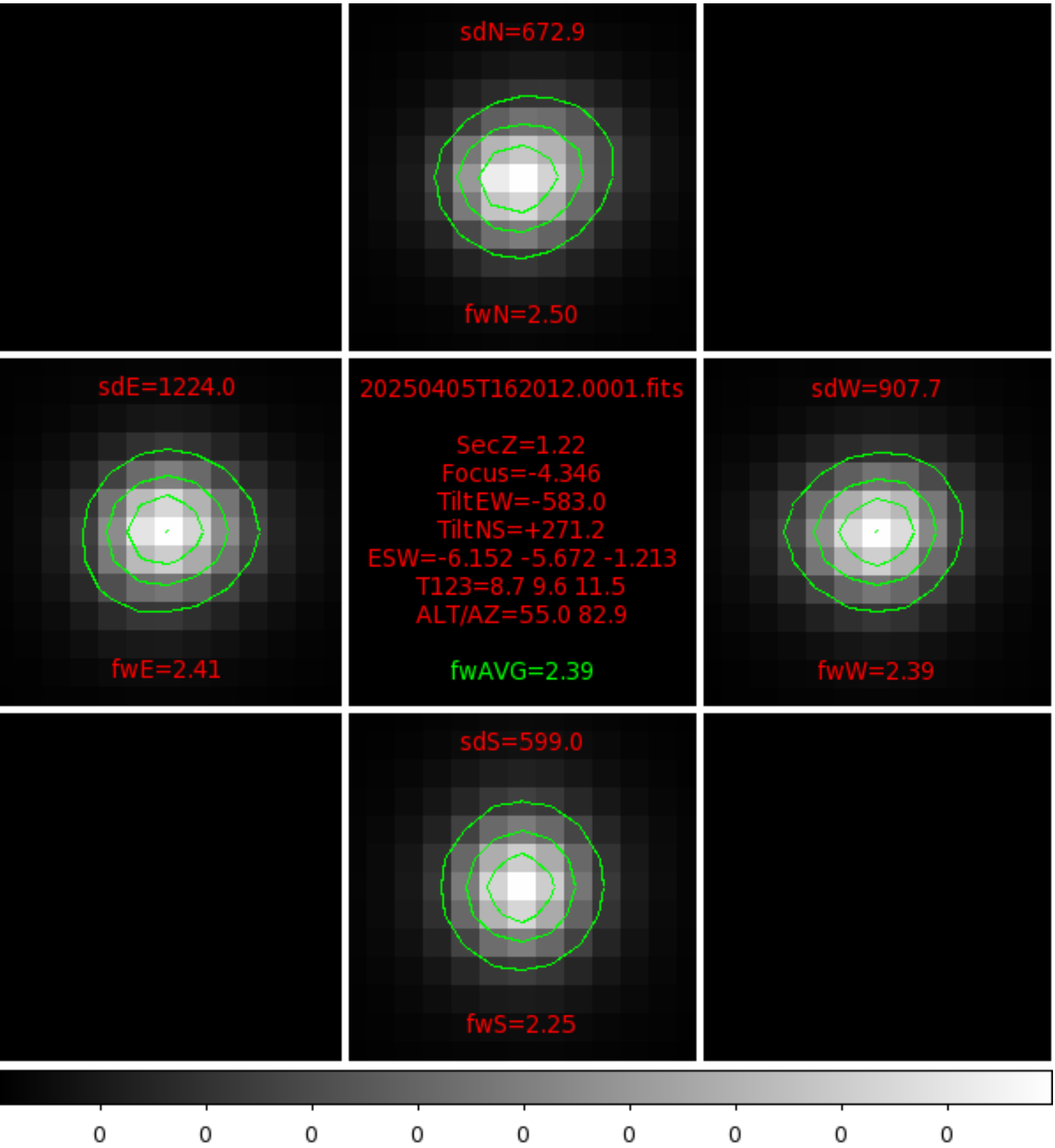
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ESW=-6.152 -5.672 -1.213
T123=8.7 9.6 11.5
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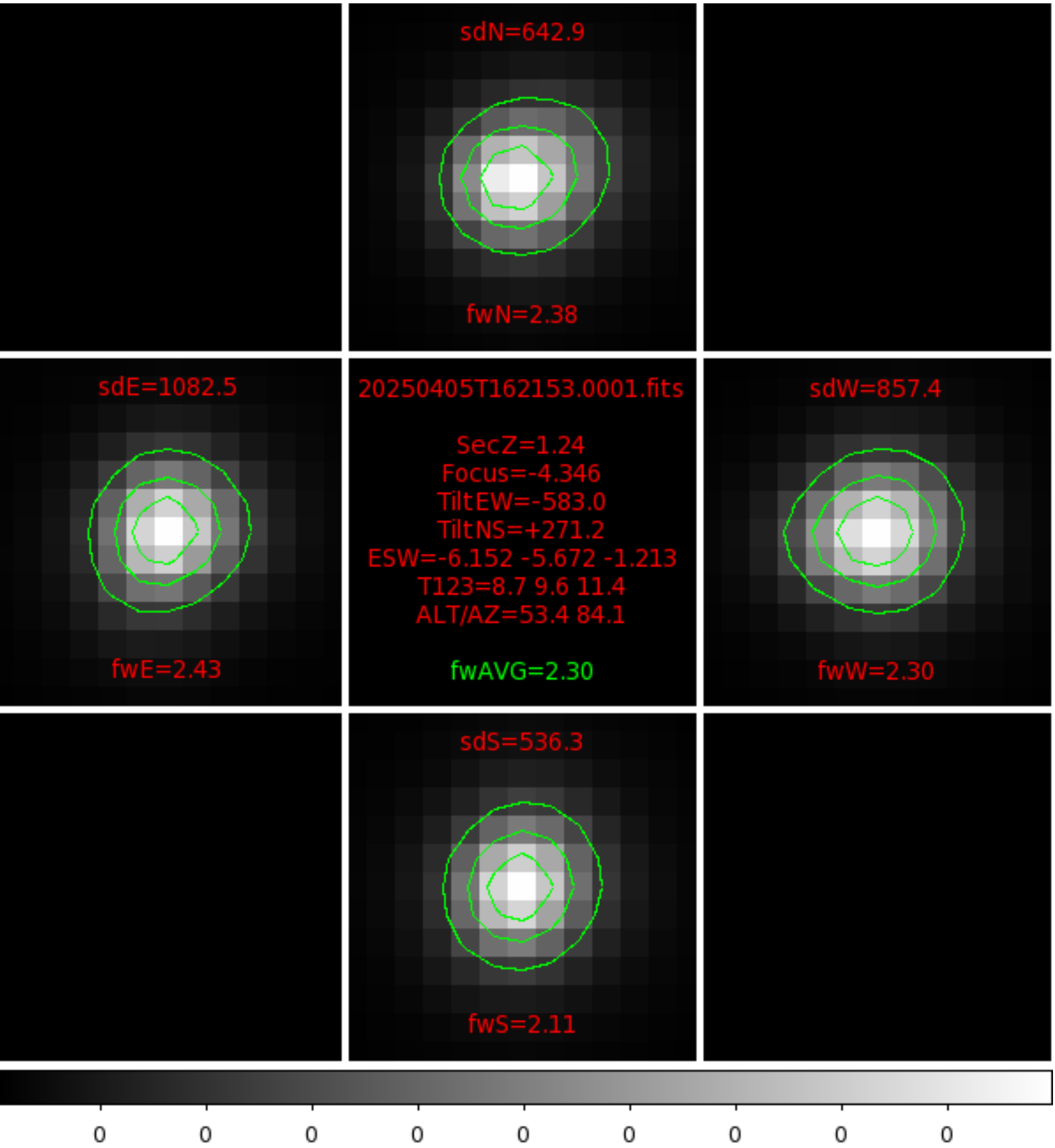
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Focus=-4.346
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TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=8.7 9.6 11.4
ALT/AZ=53.4 84.1
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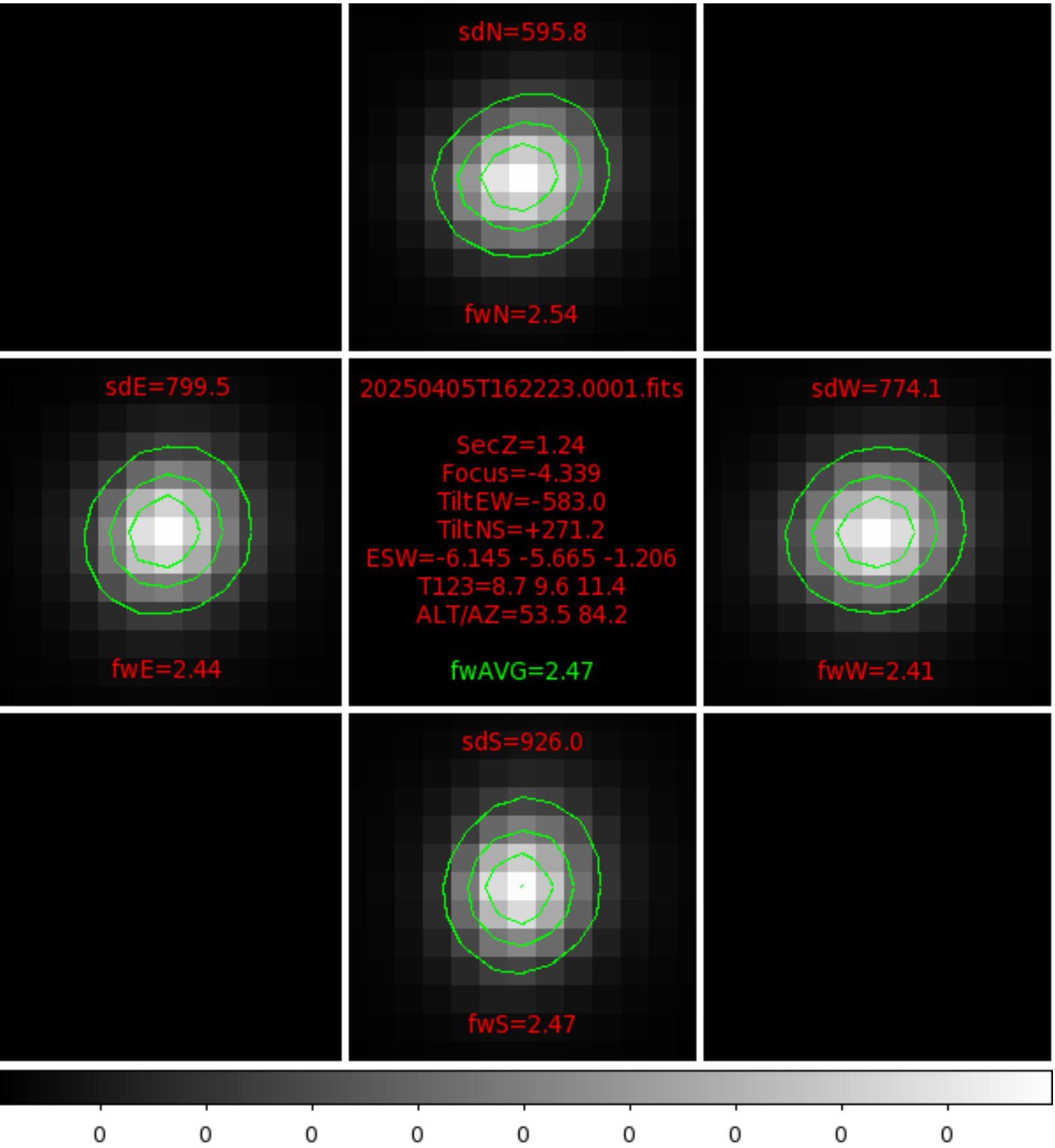
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TiltNS=+271.2
ESW=-6.145 -5.665 -1.206
T123=8.7 9.6 11.4
ALT/AZ=53.5 84.2
fwAVG=2.47
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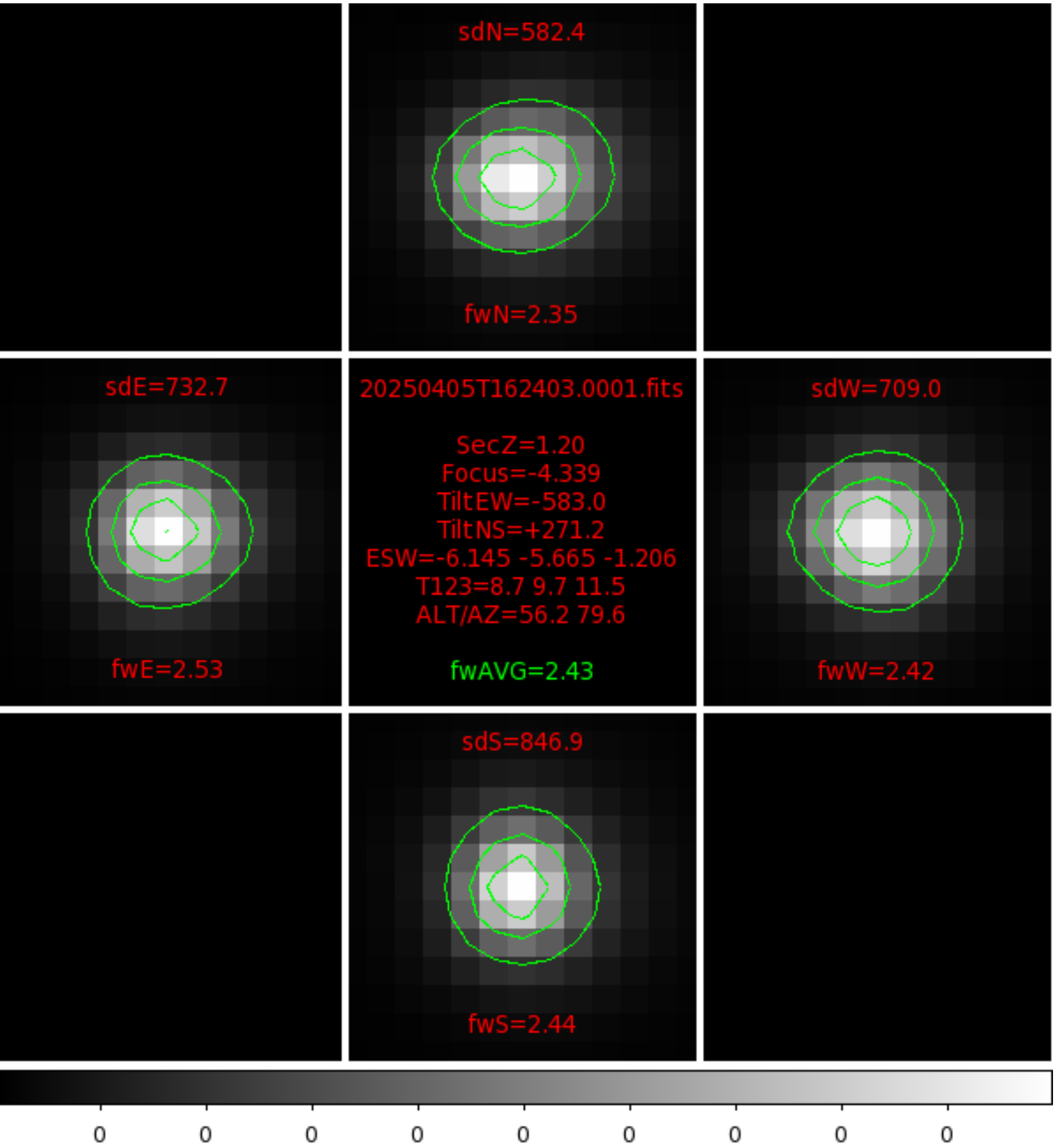
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SecZ=1.20
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TiltNS=+271.2
ESW=-6.145 -5.665 -1.206
T123=8.7 9.7 11.5
ALT/AZ=56.2 79.6
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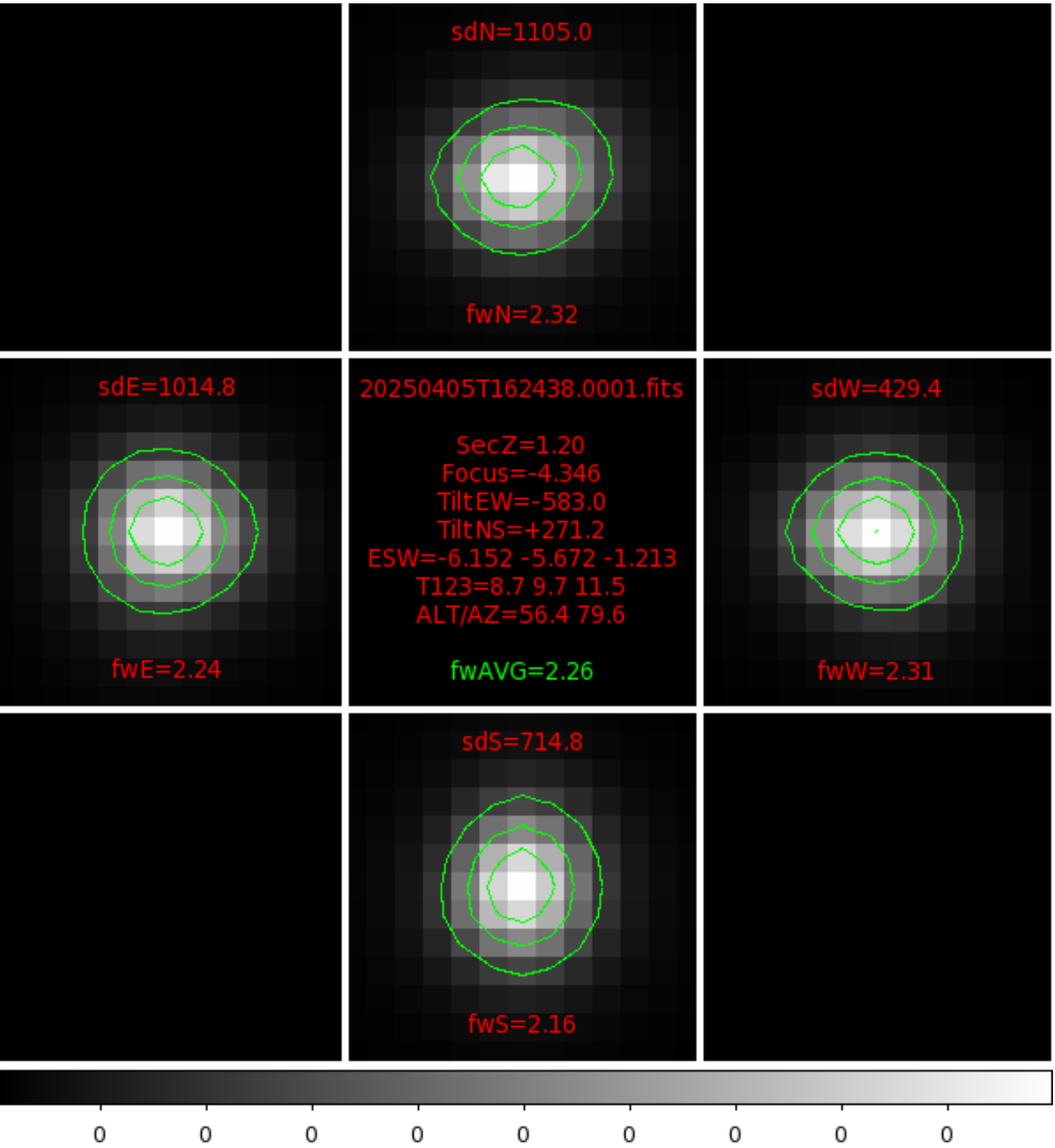
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TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=8.7 9.7 11.5
ALT/AZ=56.4 79.6
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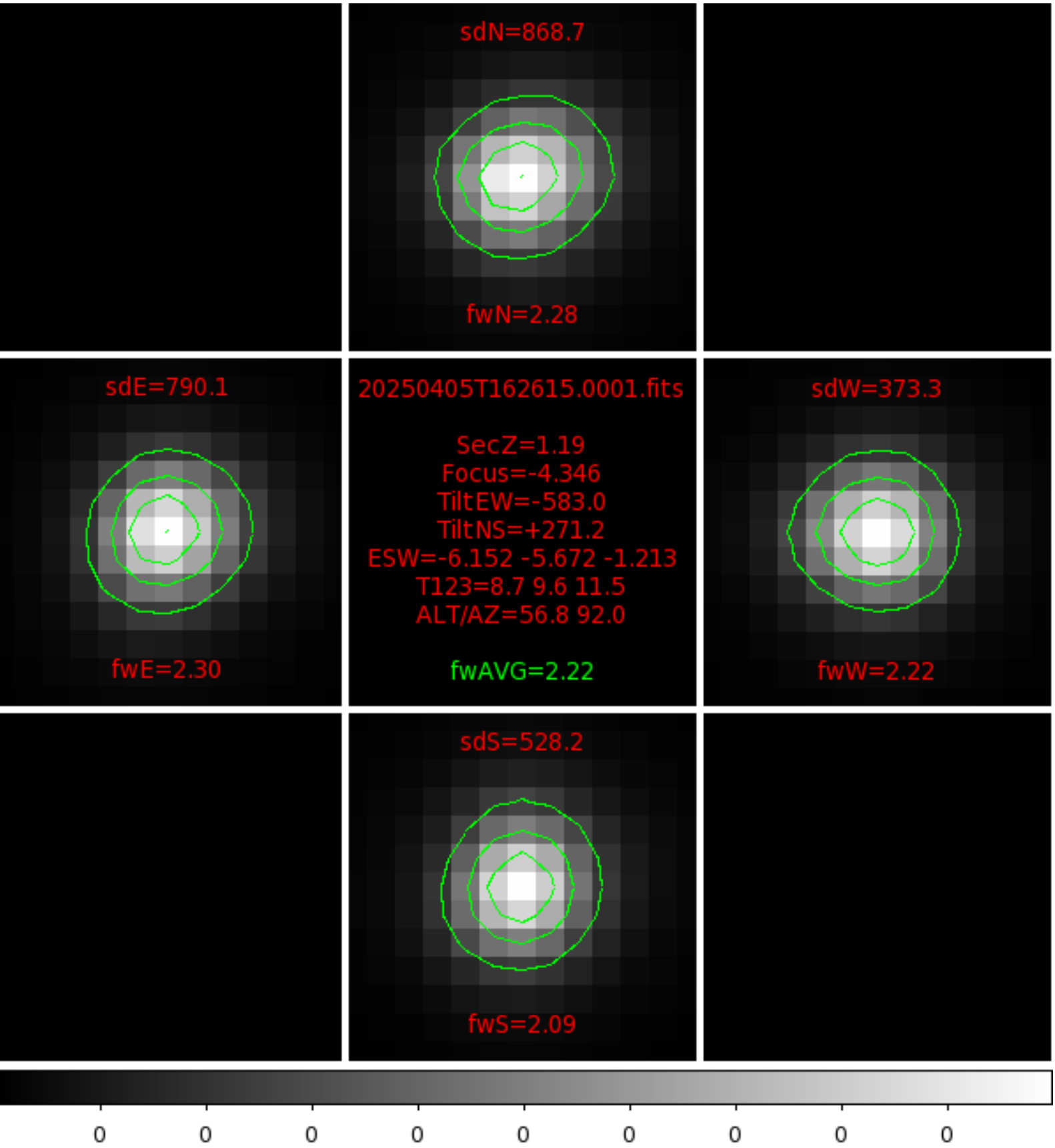
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TiltNS=+271.2
ESW=-6.152 -5.672 -1.213
T123=8.7 9.6 11.5
ALT/AZ=56.8 92.0
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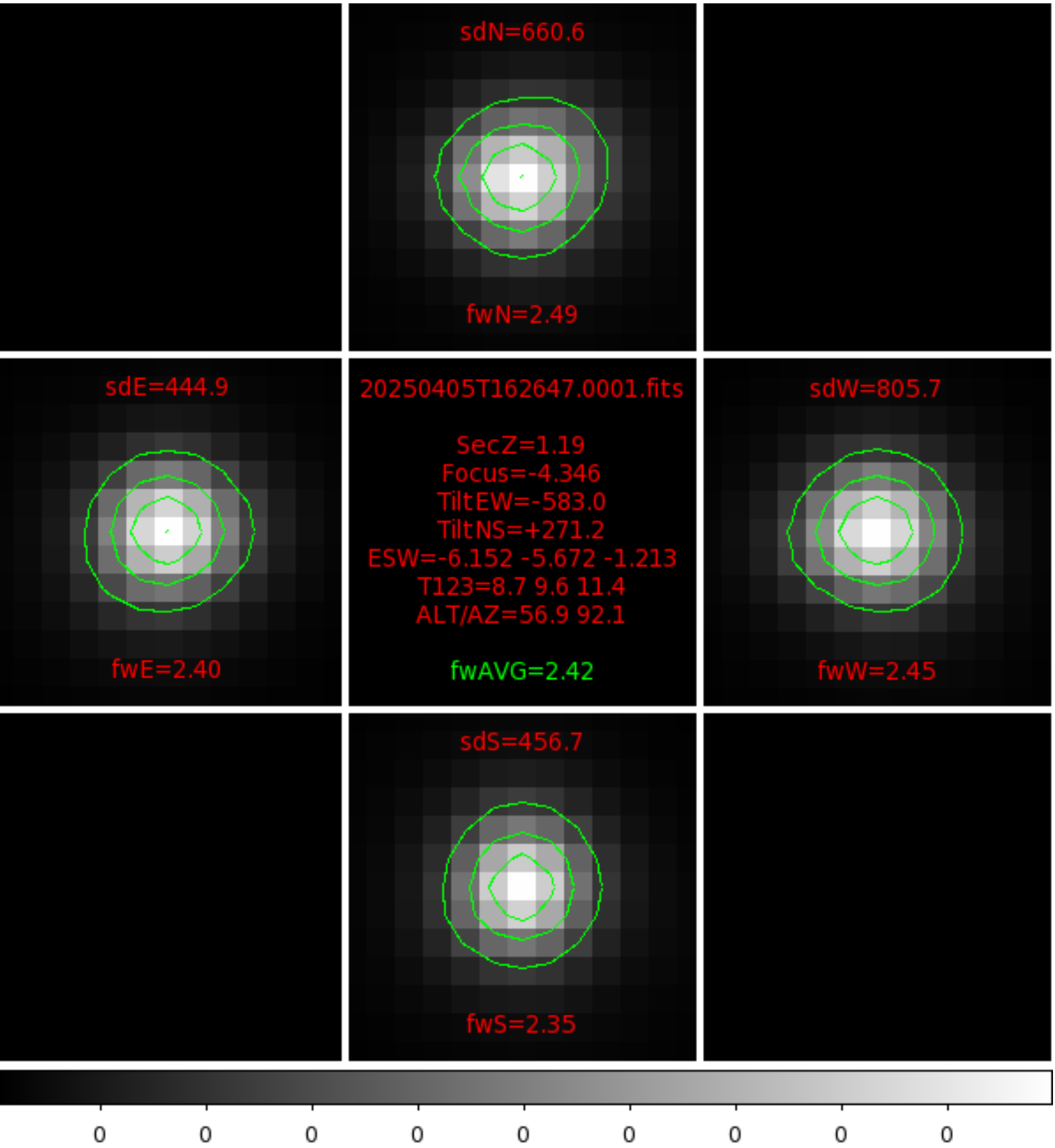
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TiltNS=+271.2
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ALT/AZ=56.9 92.1
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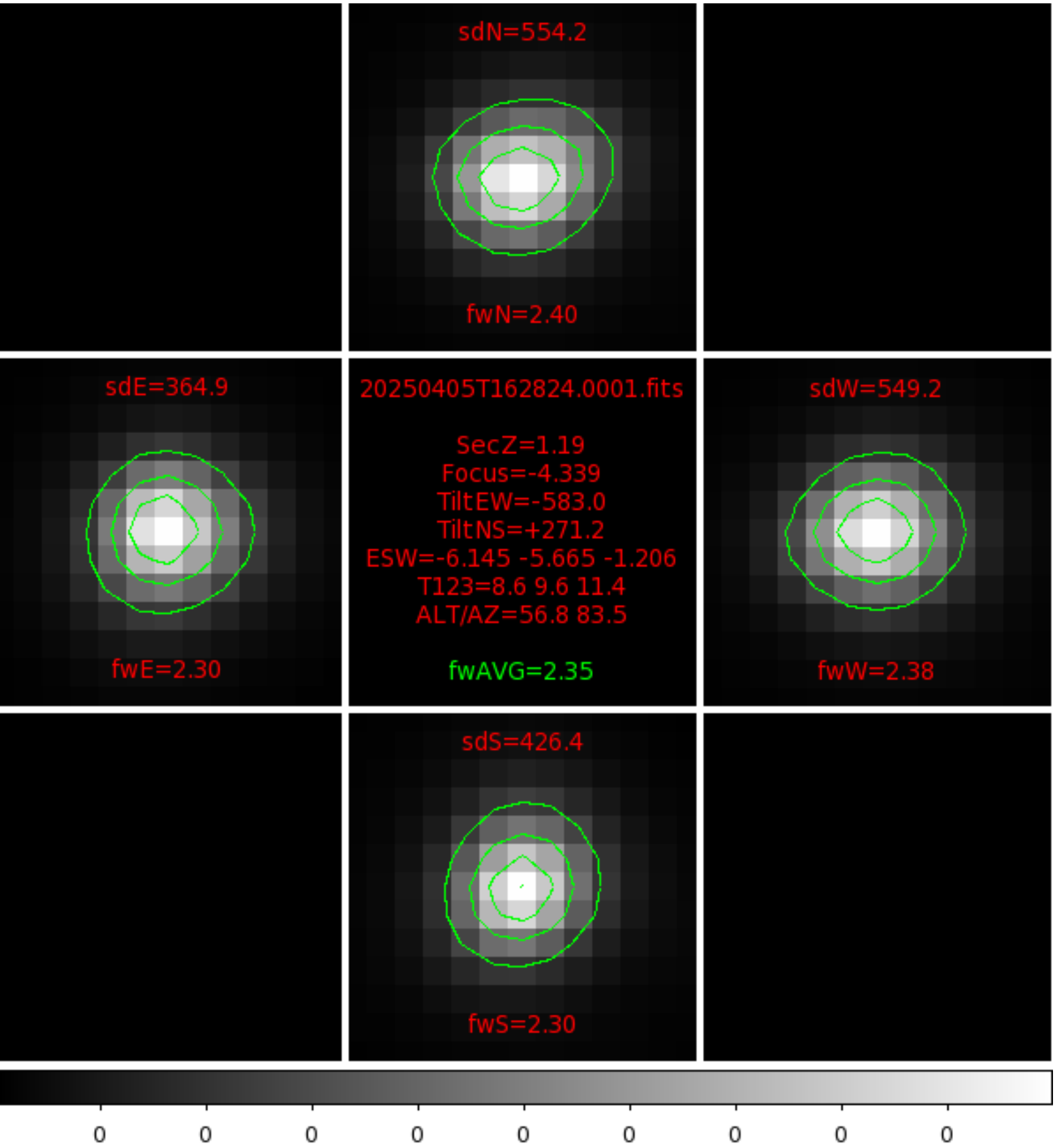
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TiltNS=+271.2
ESW=-6.145 -5.665 -1.206
T123=8.6 9.6 11.4
ALT/AZ=56.8 83.5
fwAVG=2.35
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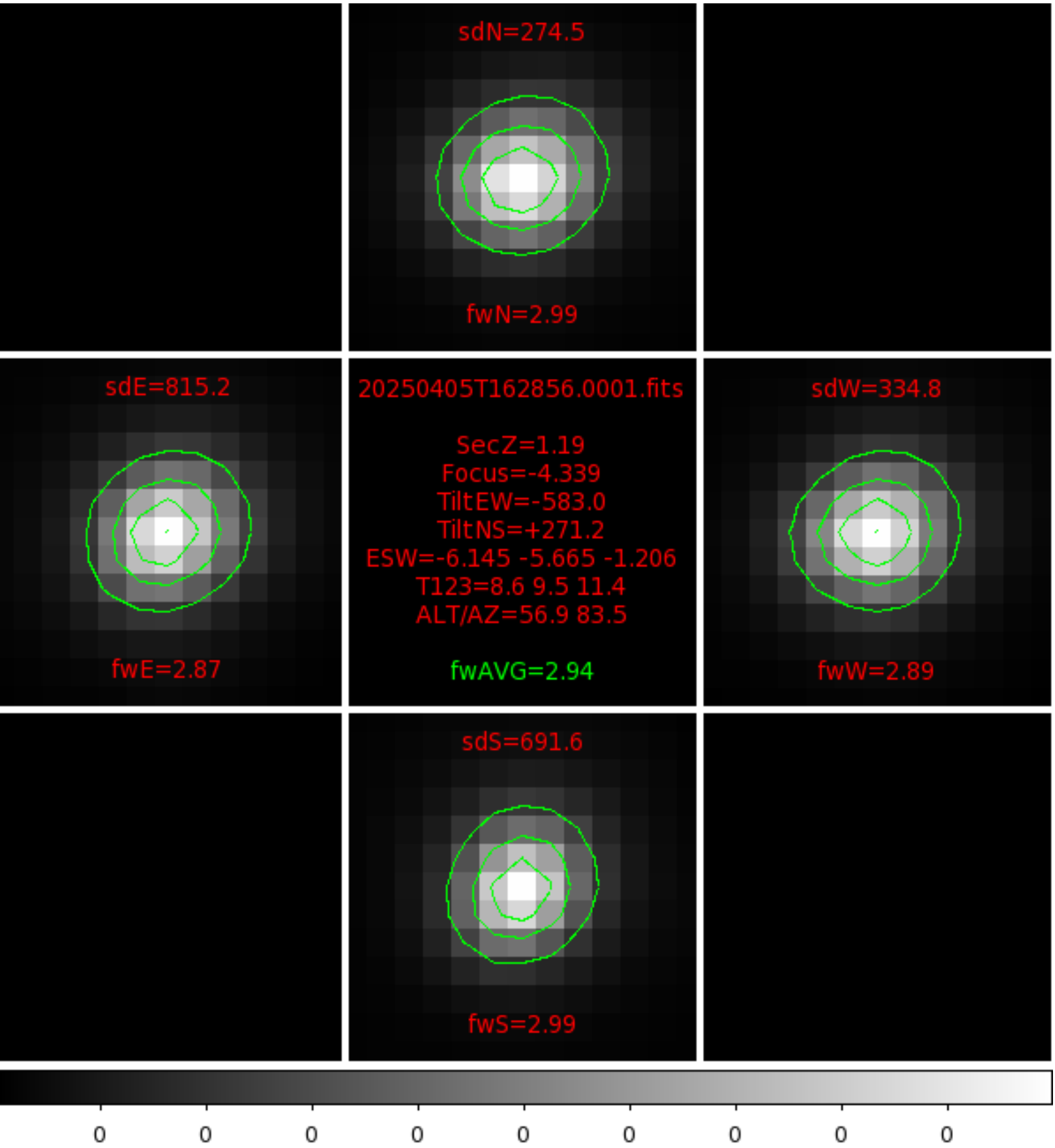
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SecZ=1.19
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.145 -5.665 -1.206
T123=8.6 9.5 11.4
ALT/AZ=56.9 83.5
fwAVG=2.94
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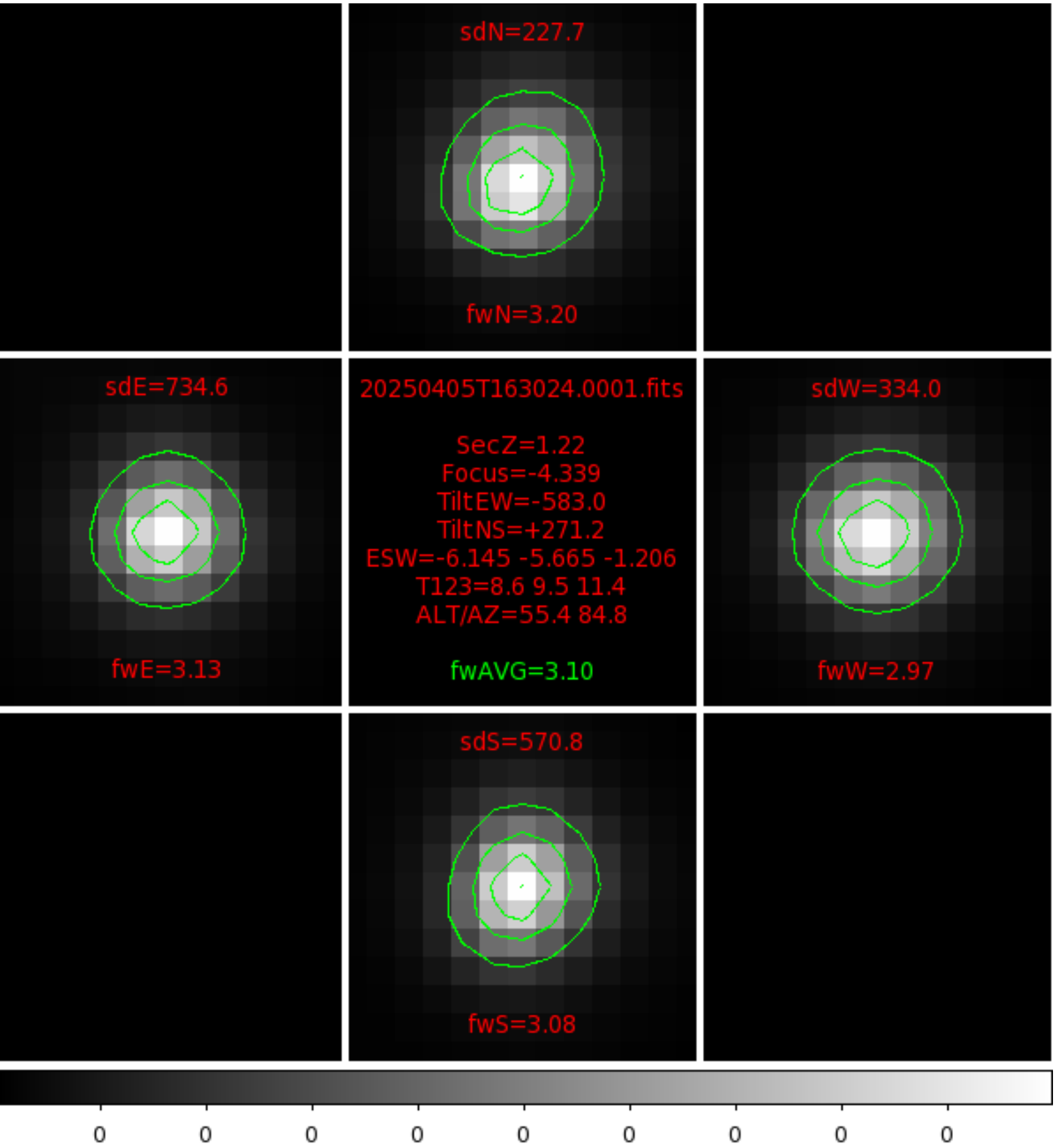
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fwAVG=3.10
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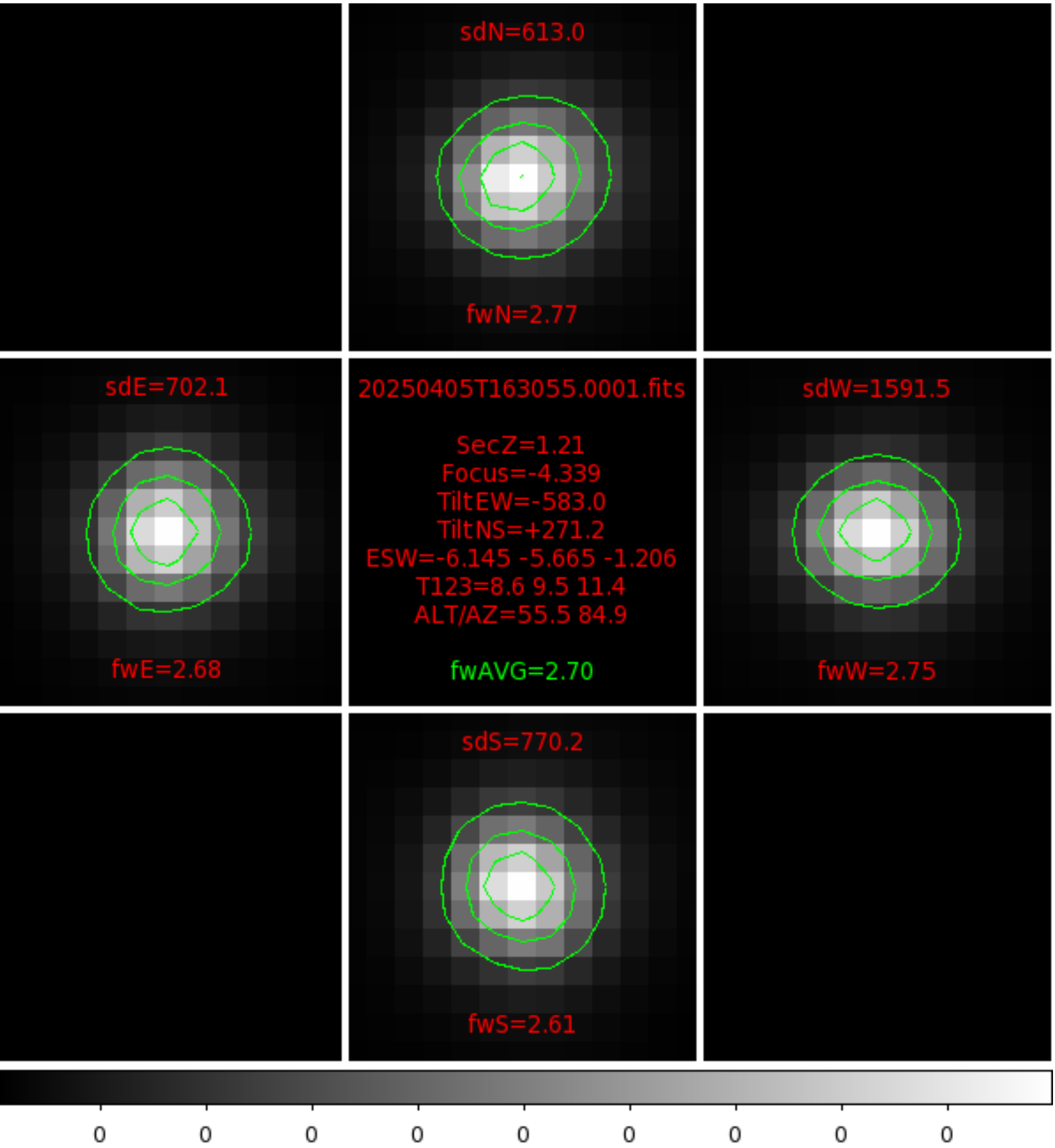
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TiltNS=+271.2
ESW=-6.145 -5.665 -1.206
T123=8.6 9.5 11.4
ALT/AZ=55.5 84.9
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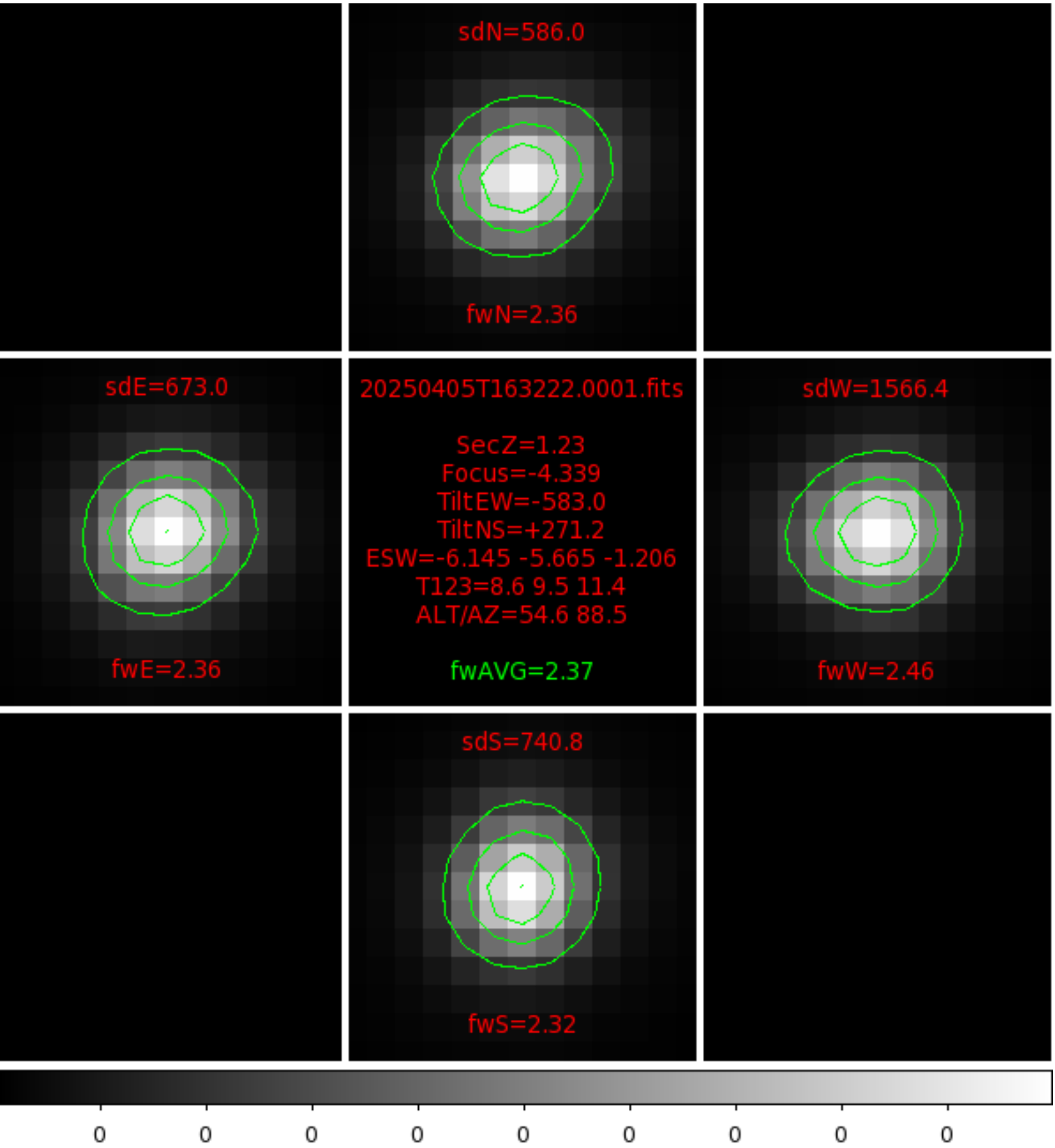
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.145 -5.665 -1.206
T123=8.6 9.5 11.4
ALT/AZ=54.6 88.5
fwAVG=2.37
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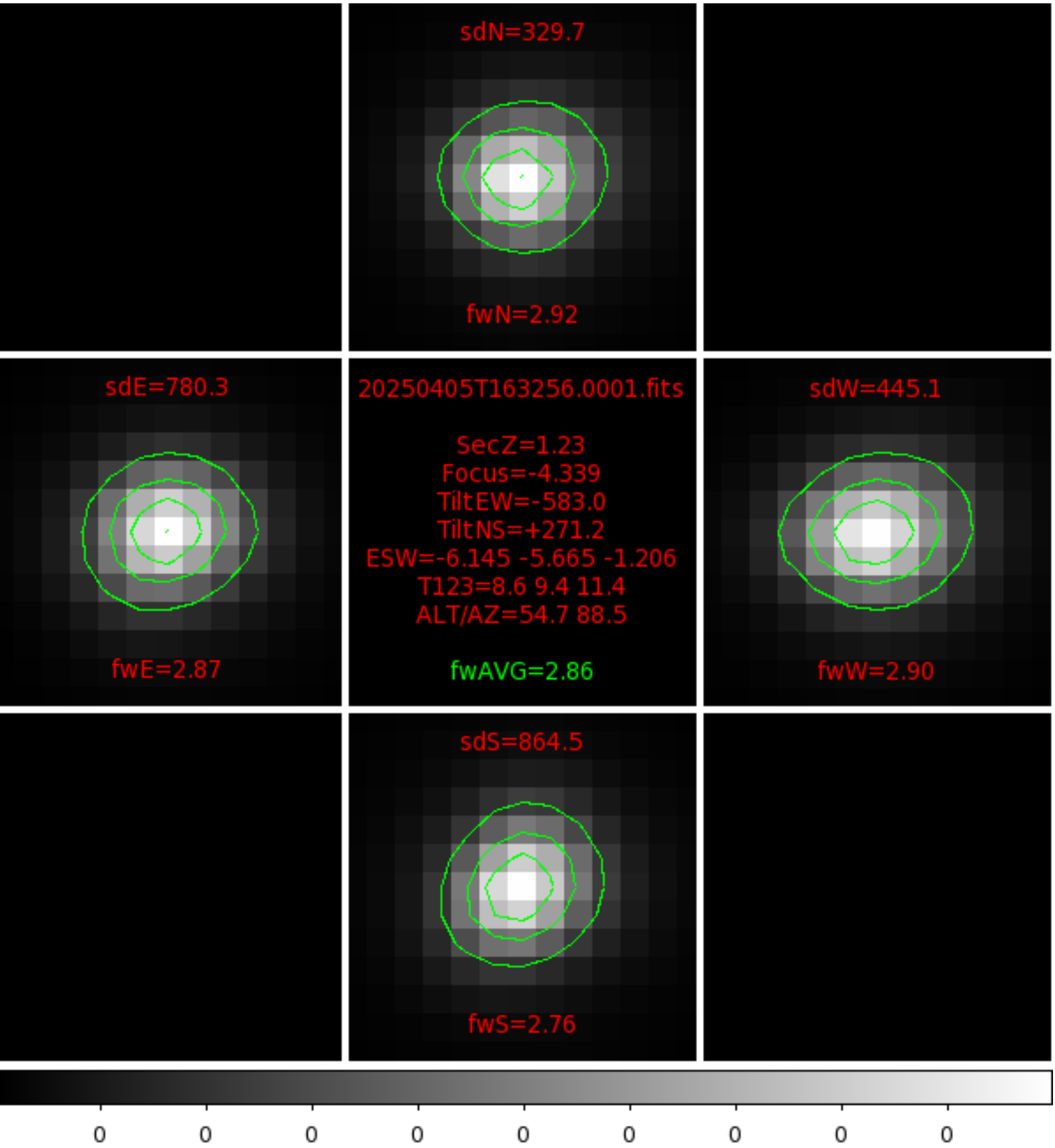
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TiltNS=+271.2
ESW=-6.145 -5.665 -1.206
T123=8.6 9.4 11.4
ALT/AZ=54.7 88.5
fwAVG=2.86
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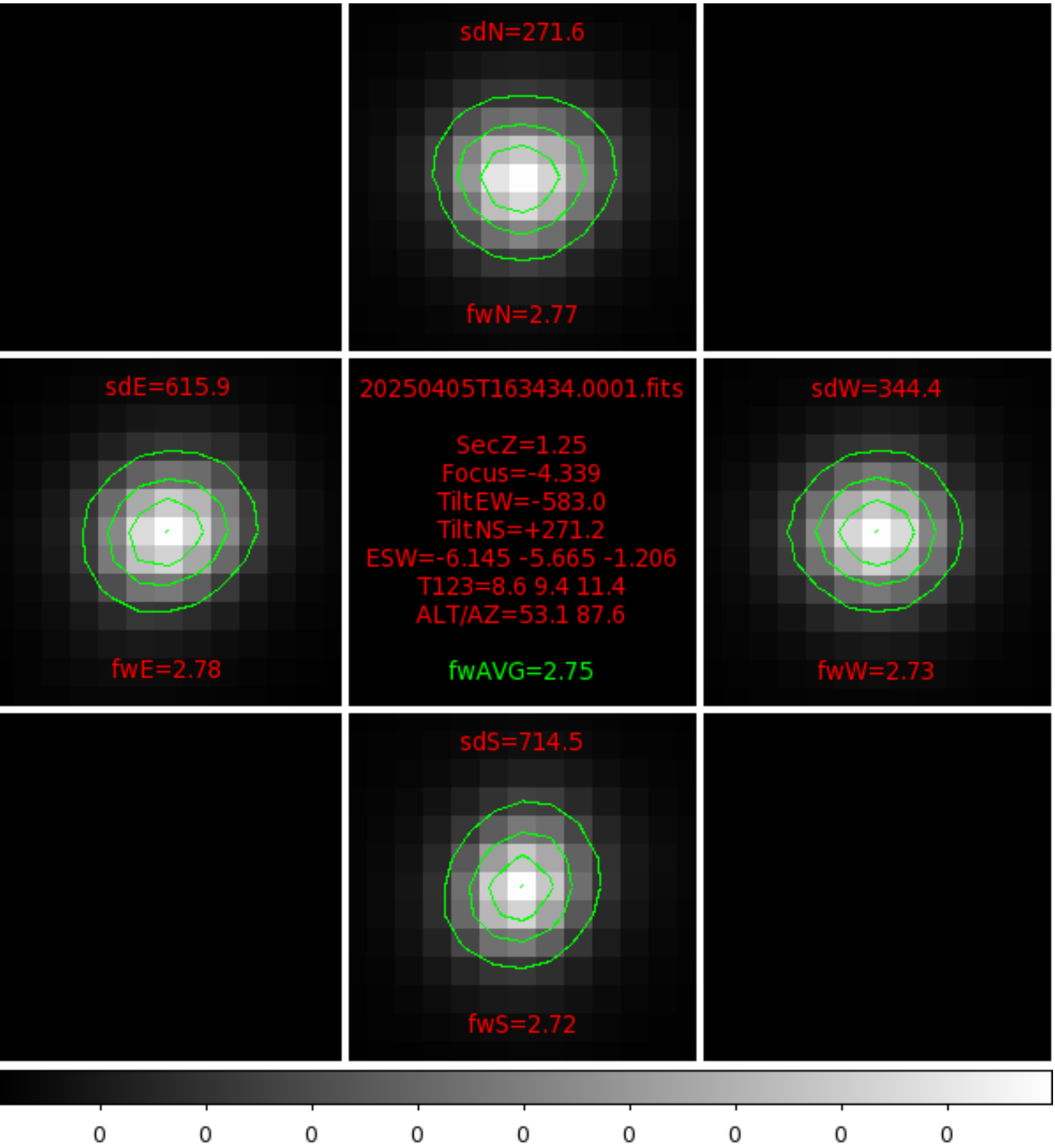
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SecZ=1.25
Focus=-4.339
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.145 -5.665 -1.206
T123=8.6 9.4 11.4
ALT/AZ=53.1 87.6
fwAVG=2.75
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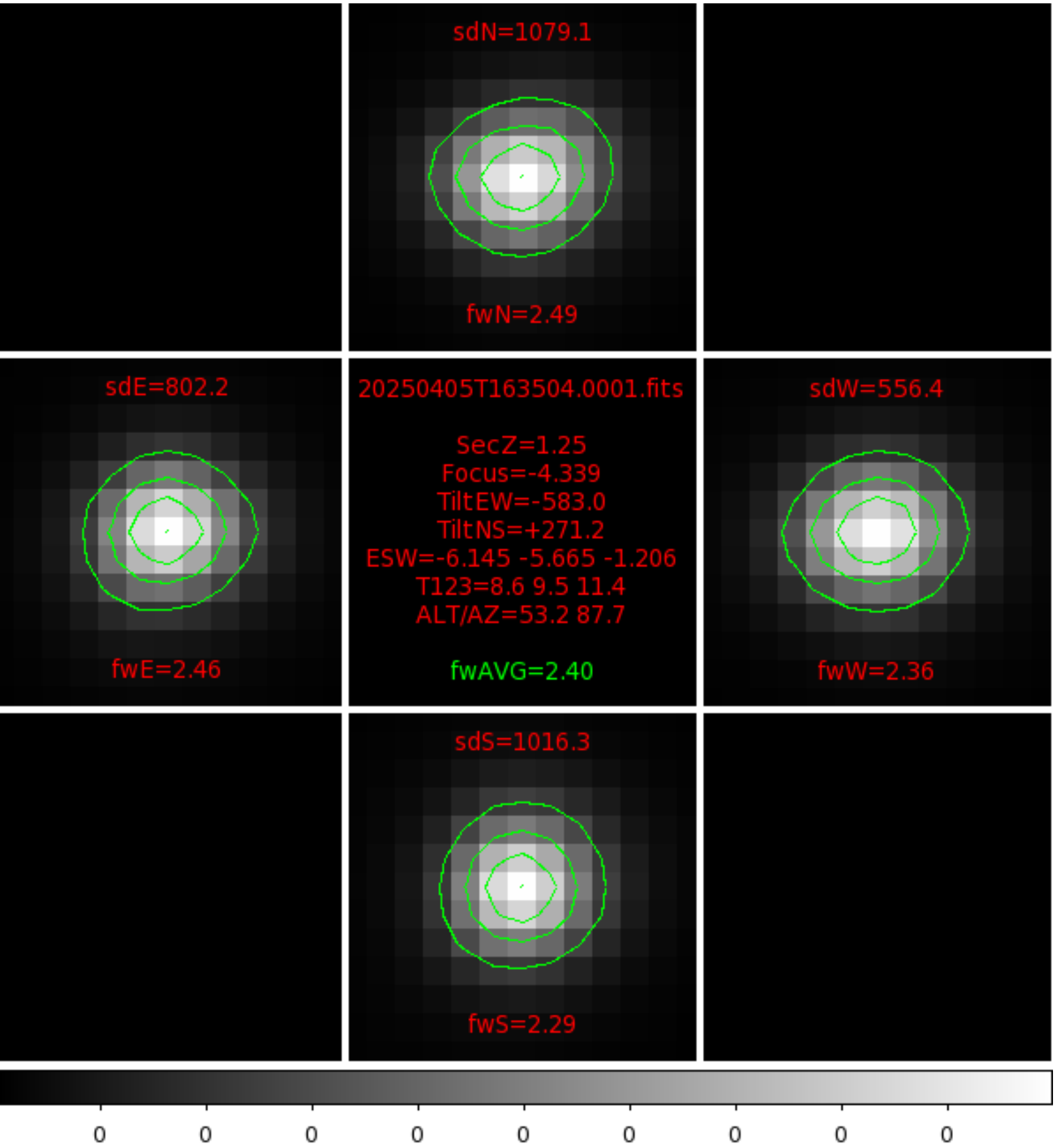
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SecZ=1.25
Focus=-4.339
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.145 -5.665 -1.206
T123=8.6 9.5 11.4
ALT/AZ=53.2 87.7
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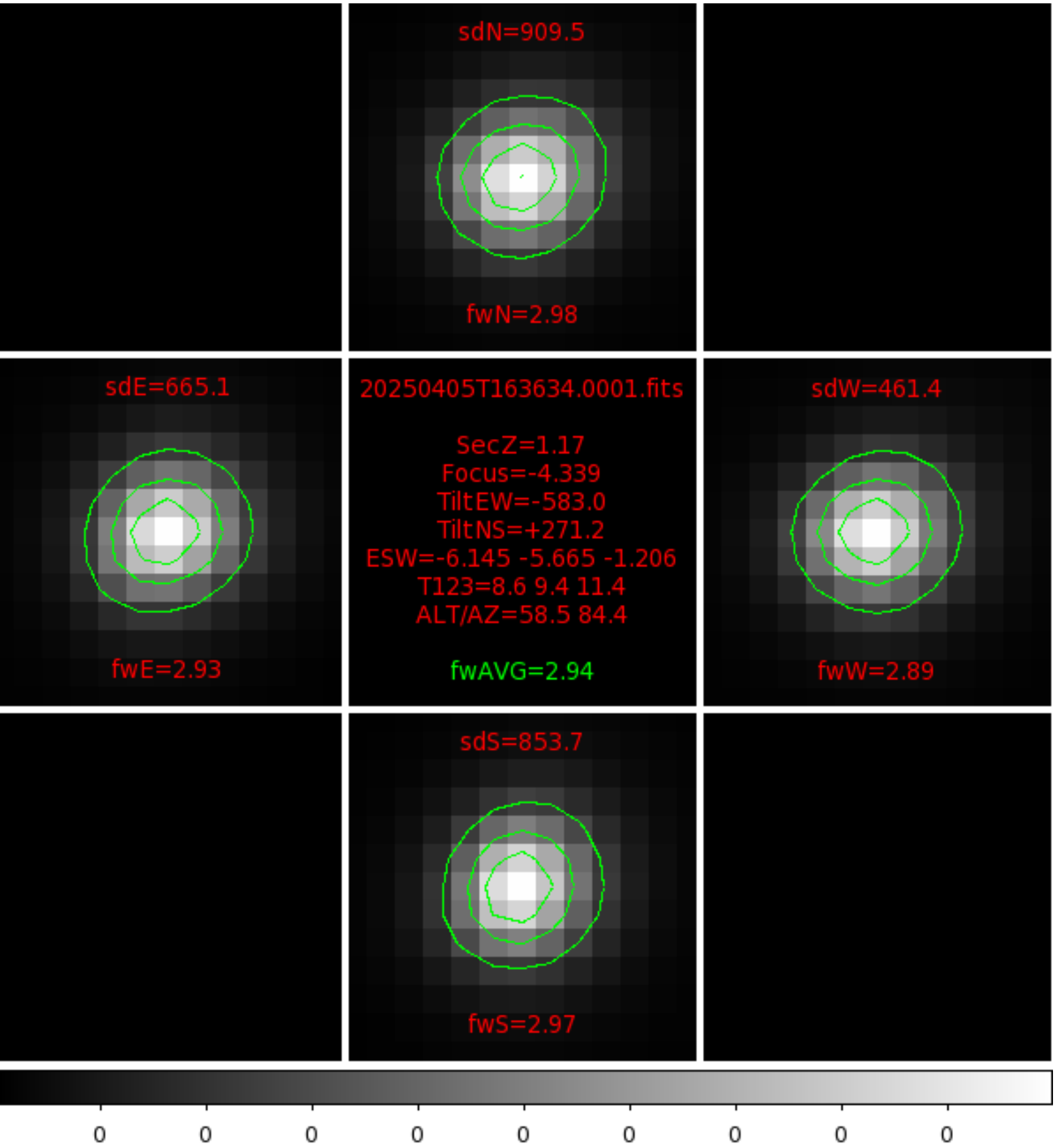
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SecZ=1.17
Focus=-4.339
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.145 -5.665 -1.206
T123=8.6 9.4 11.4
ALT/AZ=58.5 84.4
fwAVG=2.94
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sdS=853.7
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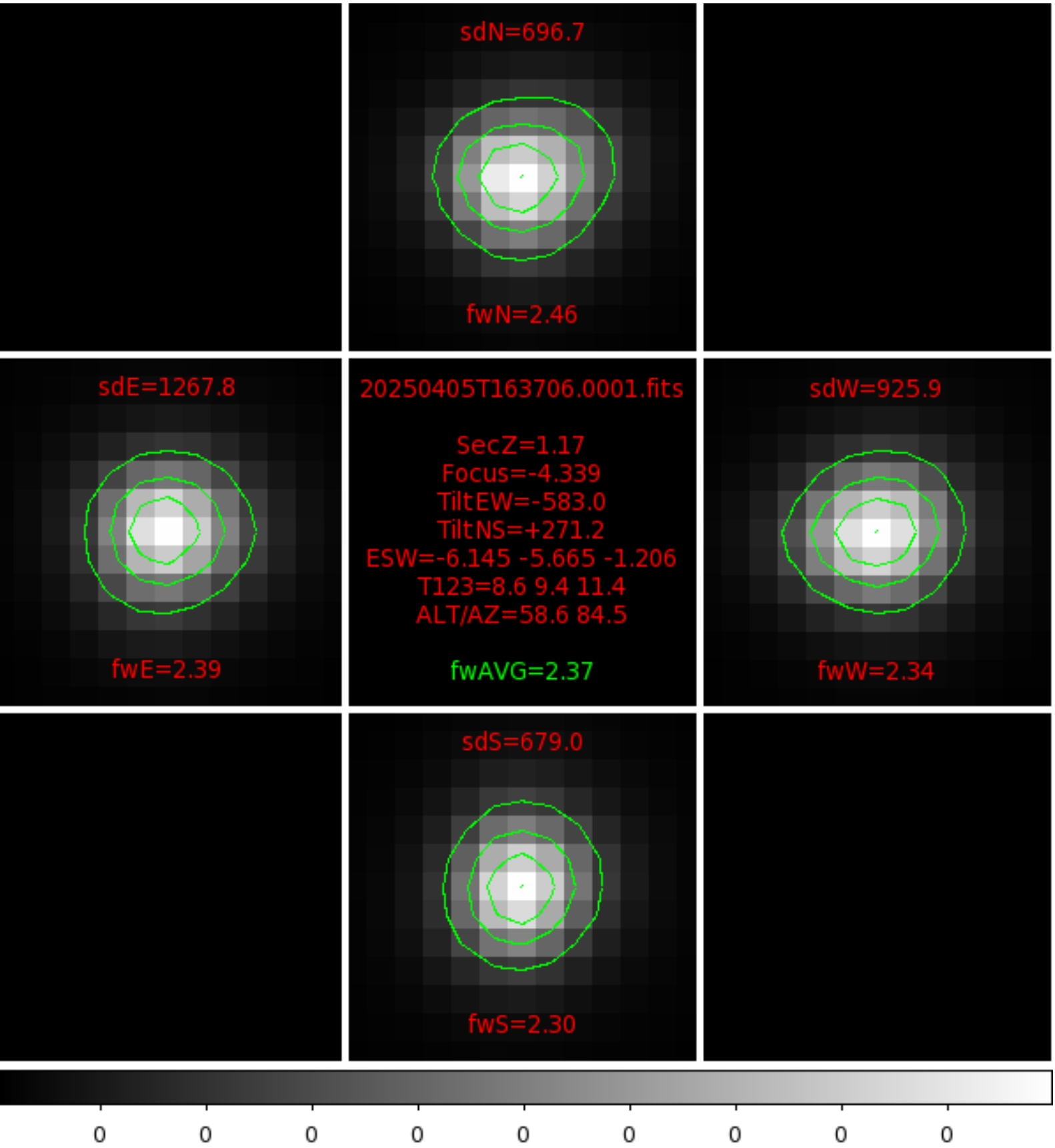
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SecZ=1.17
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TiltNS=+271.2
ESW=-6.145 -5.665 -1.206
T123=8.6 9.4 11.4
ALT/AZ=58.6 84.5
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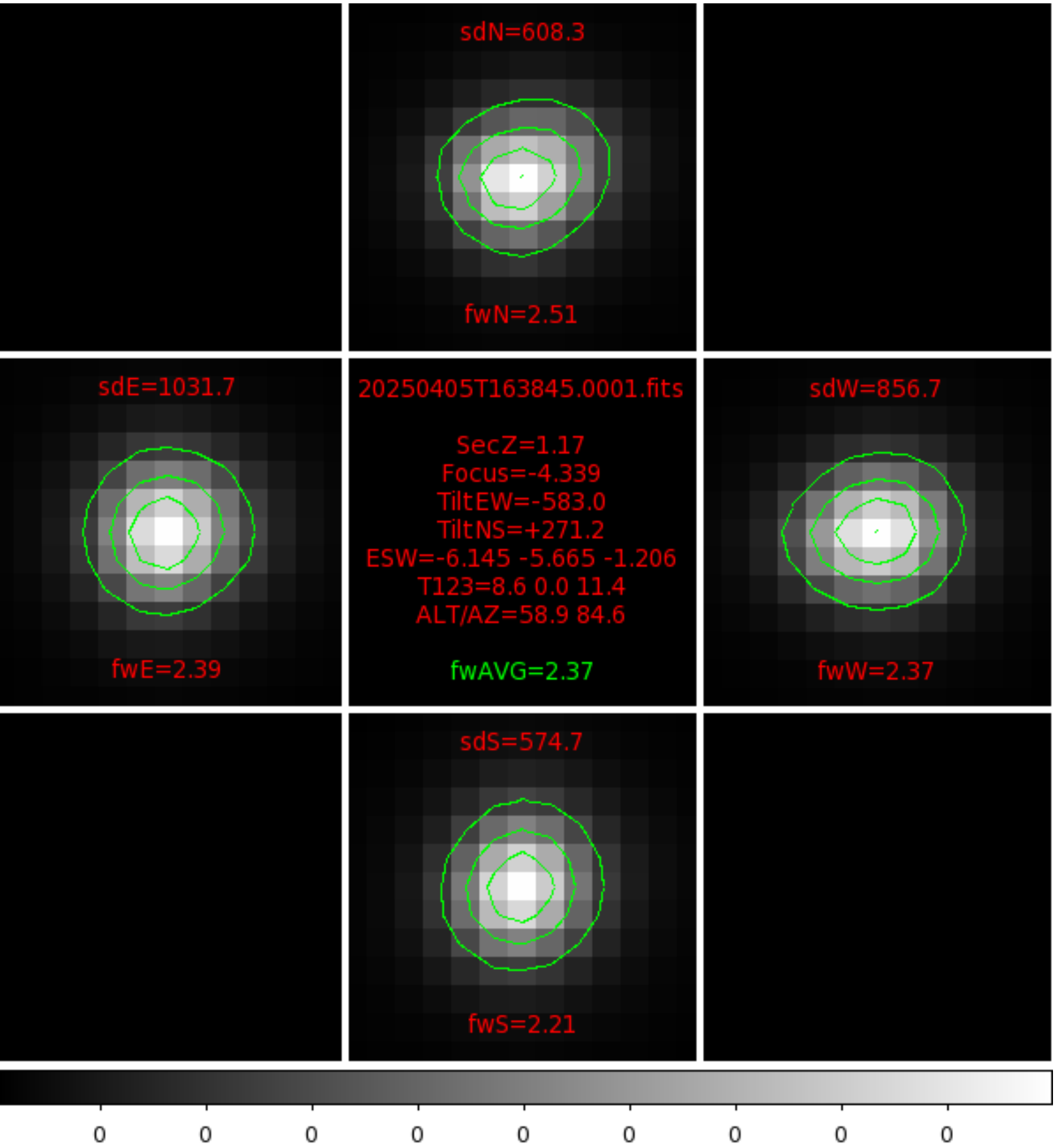
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.145 -5.665 -1.206
T123=8.6 0.0 11.4
ALT/AZ=58.9 84.6
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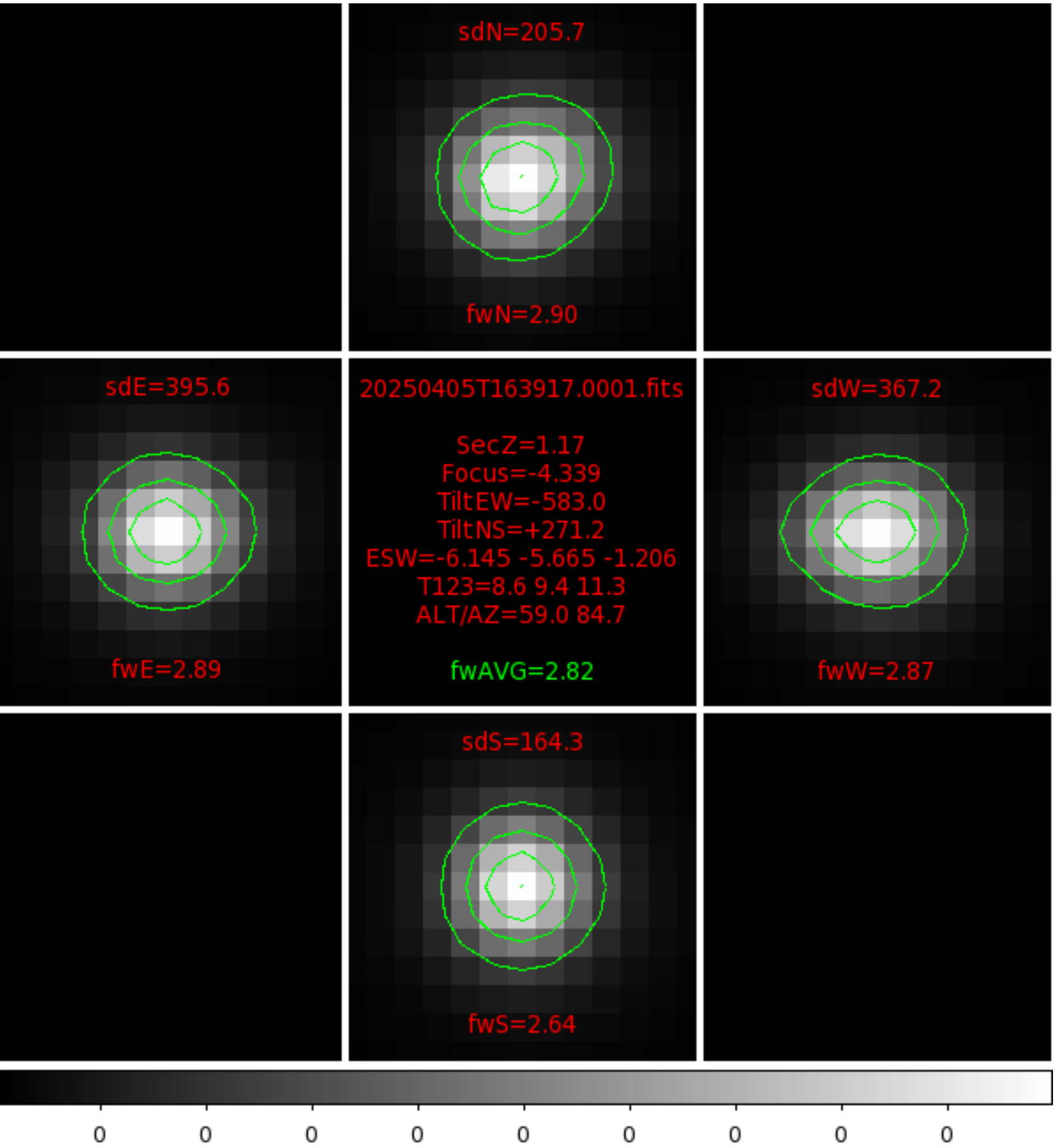
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SecZ=1.17
Focus=-4.339
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.145 -5.665 -1.206
T123=8.6 9.4 11.3
ALT/AZ=59.0 84.7
fwAVG=2.82
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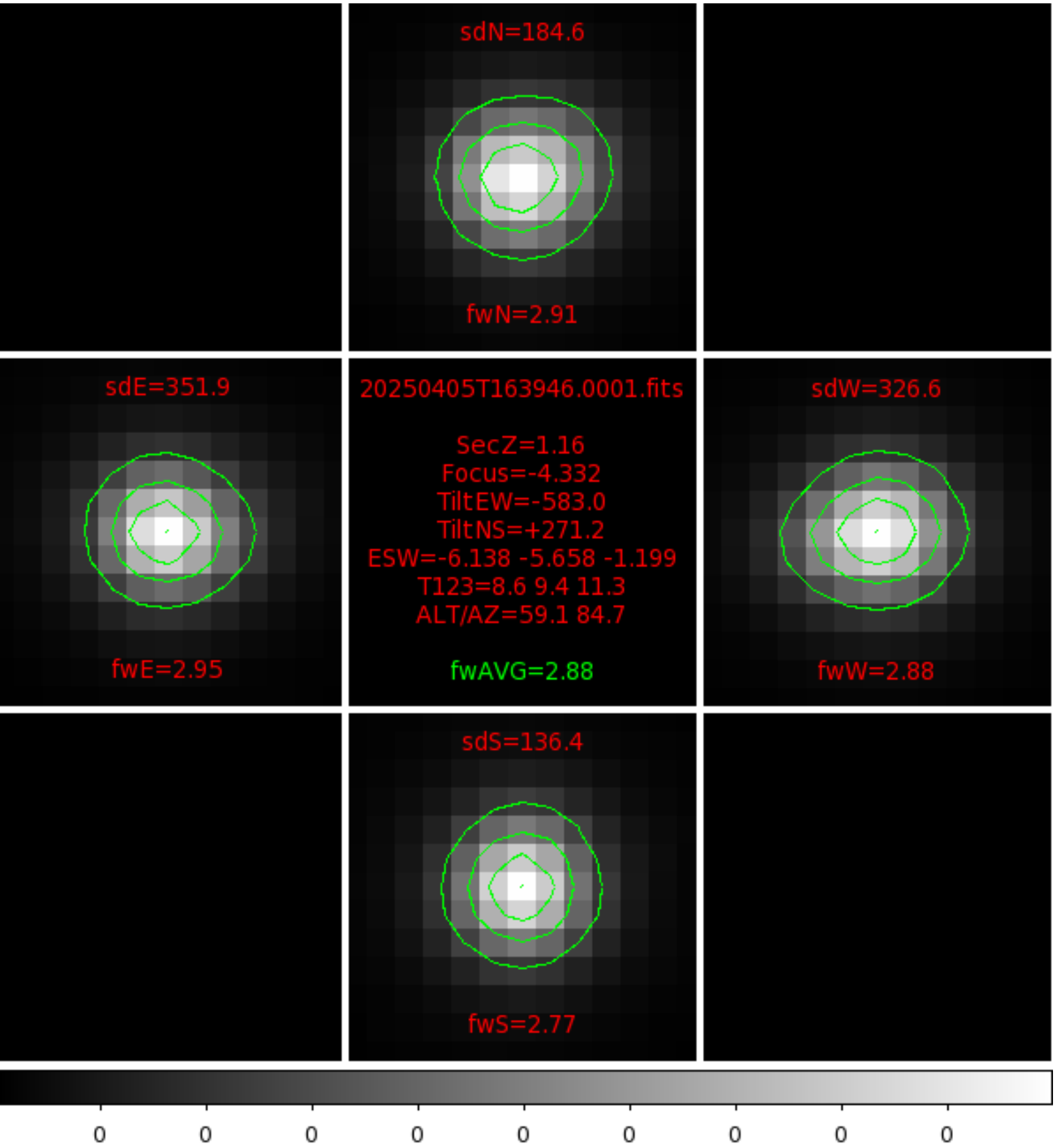
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SecZ=1.16
Focus=-4.332
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.138 -5.658 -1.199
T123=8.6 9.4 11.3
ALT/AZ=59.1 84.7
fwAVG=2.88
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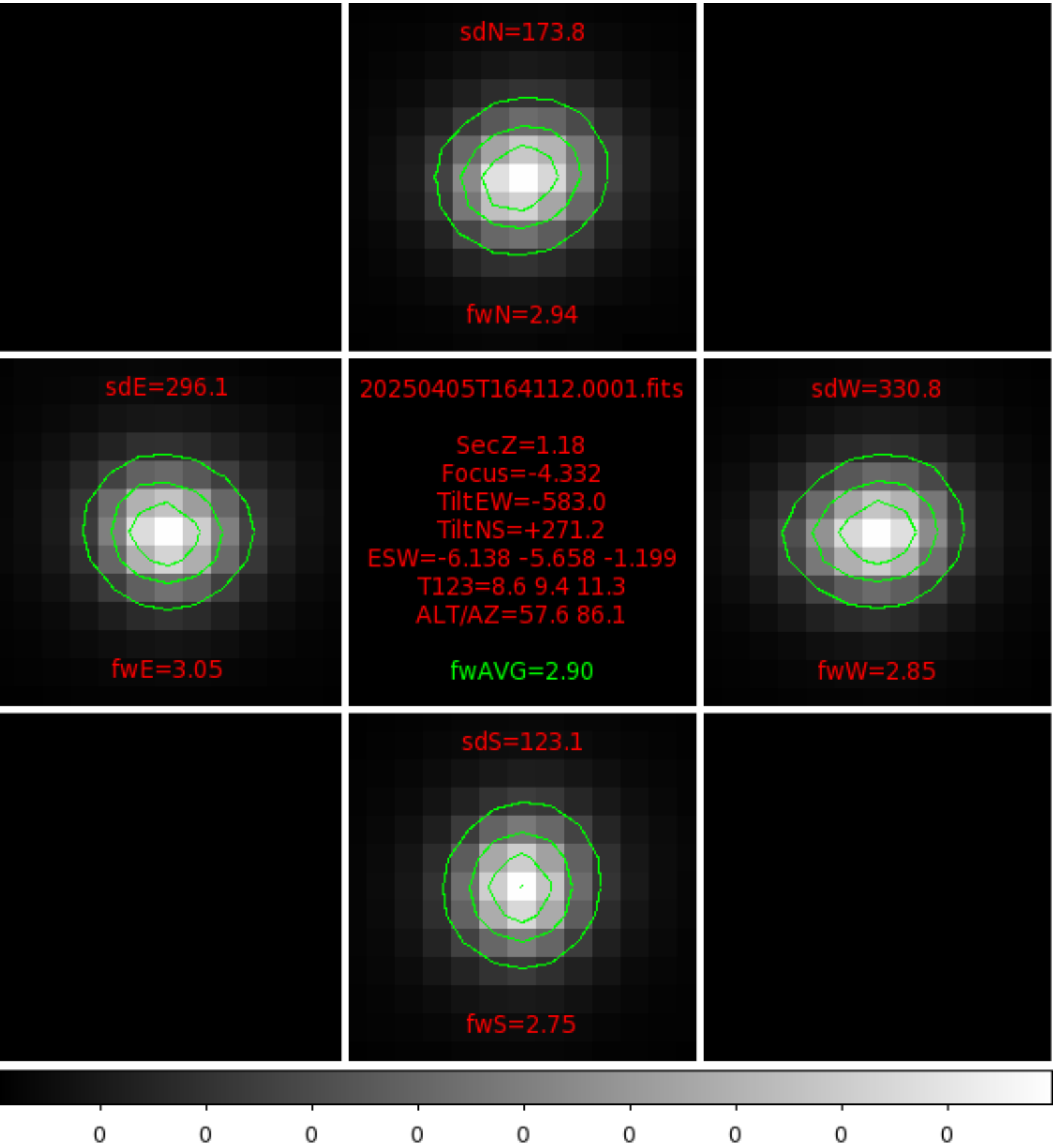
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Focus=-4.332
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.138 -5.658 -1.199
T123=8.6 9.4 11.3
ALT/AZ=57.6 86.1
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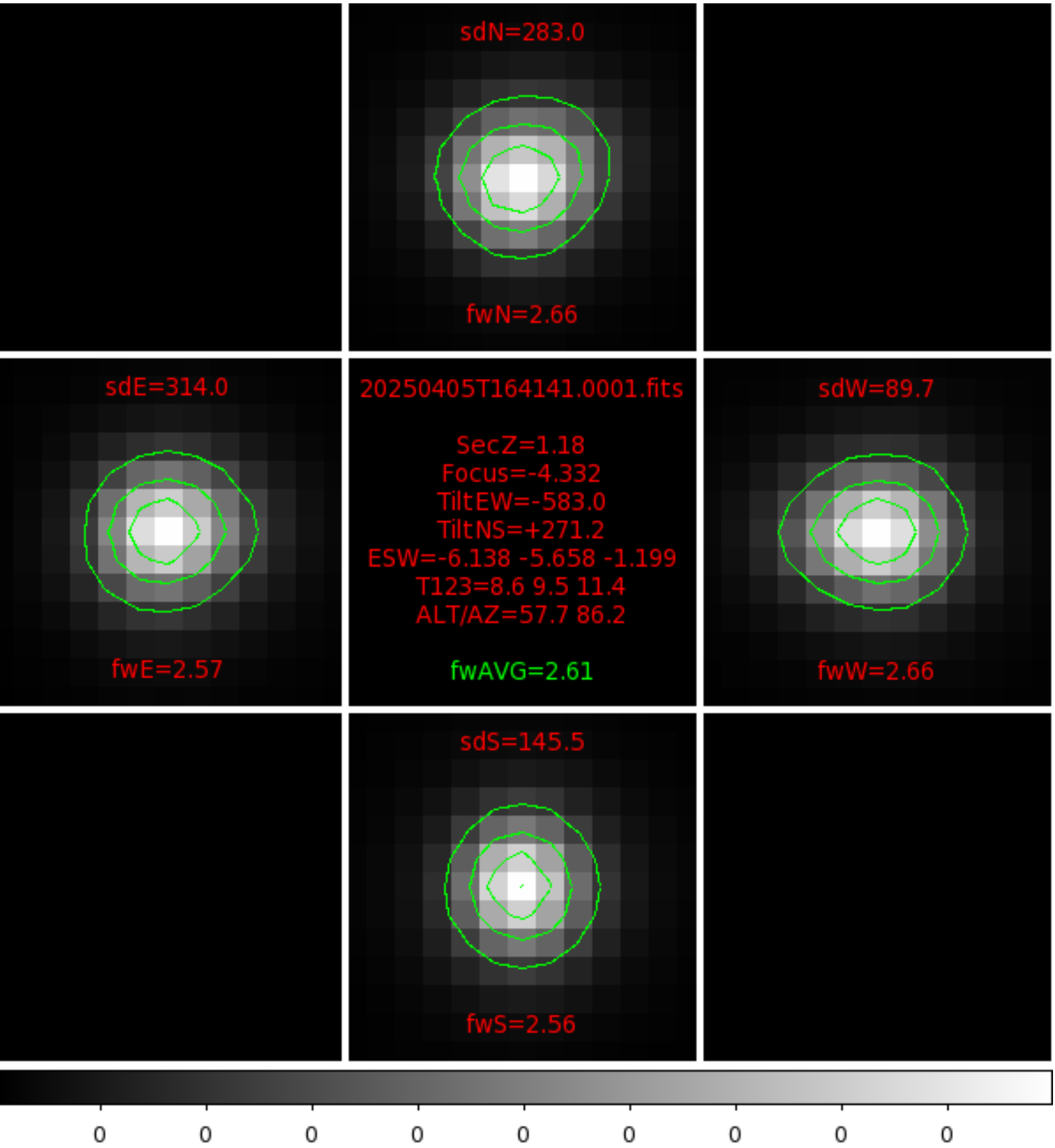
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Focus=-4.332
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.138 -5.658 -1.199
T123=8.6 9.5 11.4
ALT/AZ=57.7 86.2
fwAVG=2.61
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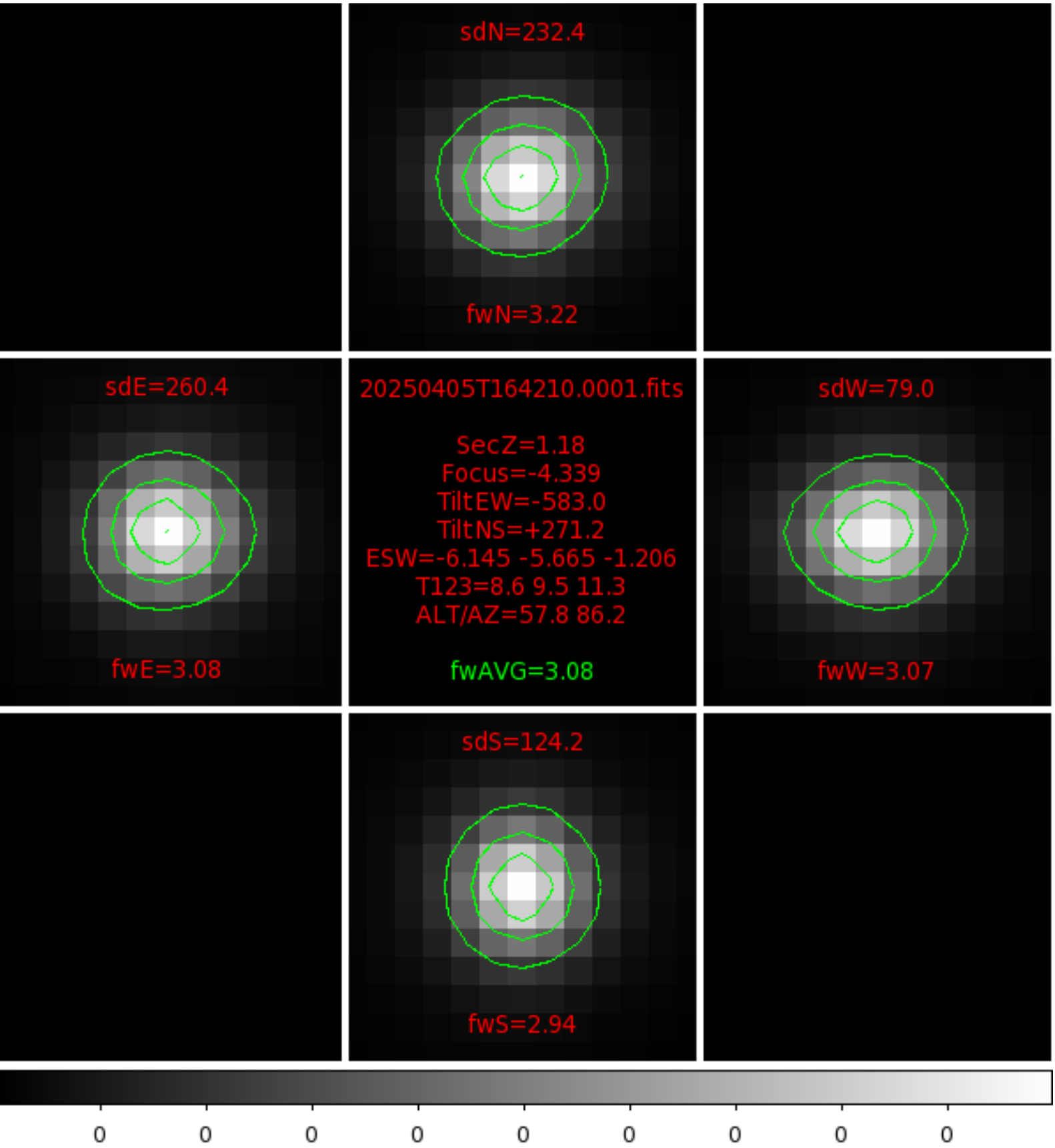
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SecZ=1.18
Focus=-4.339
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.145 -5.665 -1.206
T123=8.6 9.5 11.3
ALT/AZ=57.8 86.2
fwAVG=3.08
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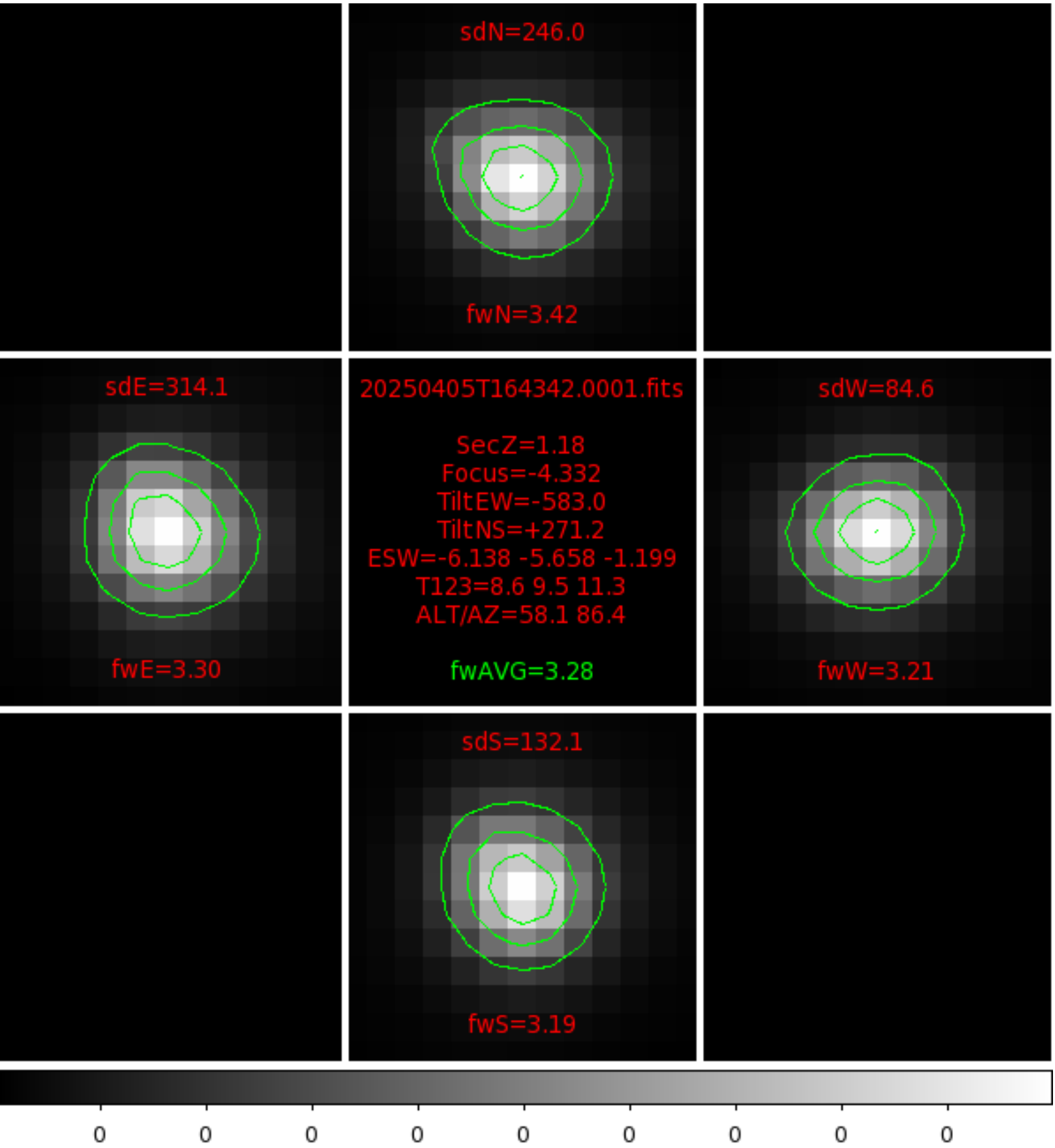
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Focus=-4.332
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.138 -5.658 -1.199
T123=8.6 9.5 11.3
ALT/AZ=58.1 86.4
fwAVG=3.28
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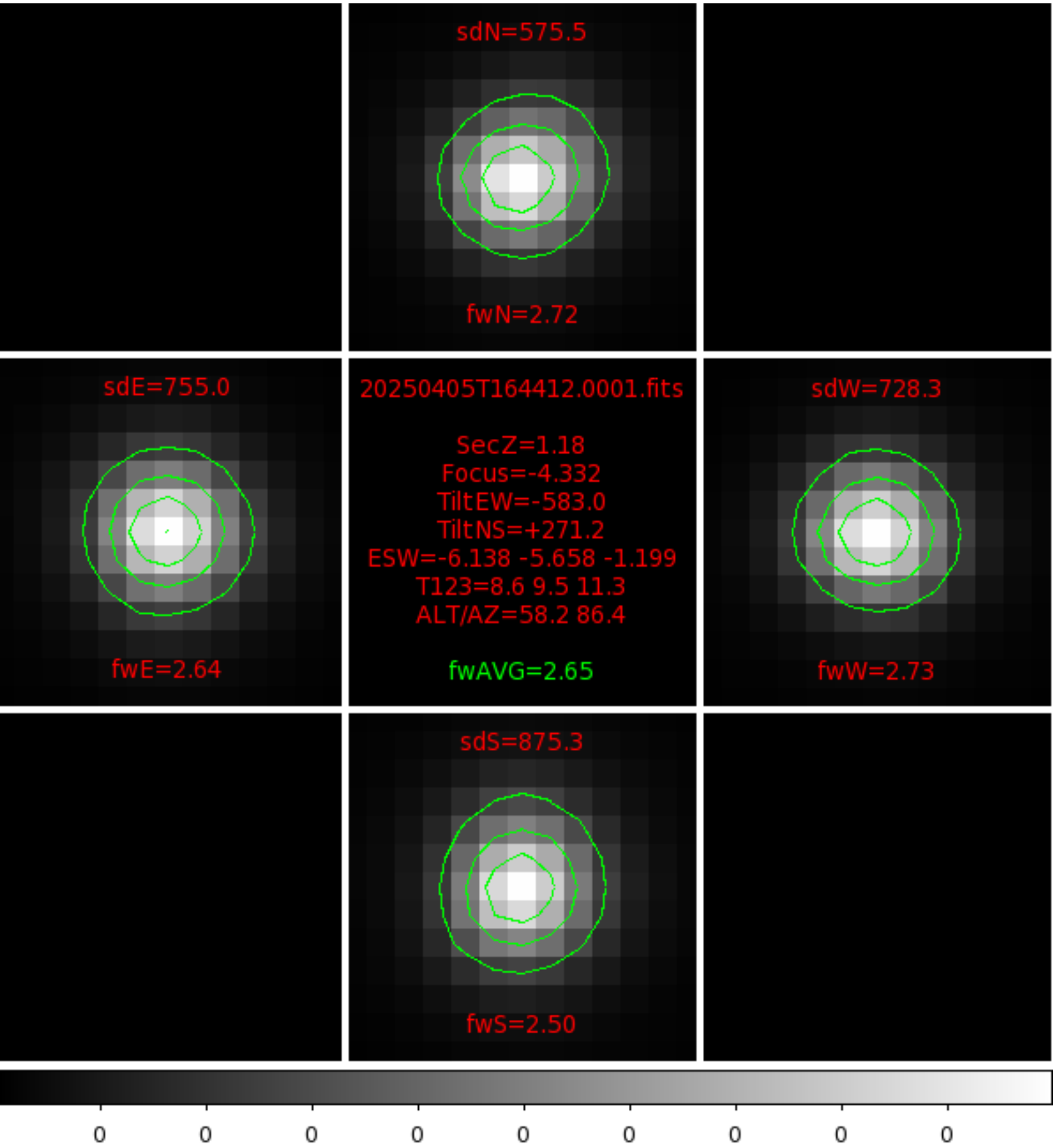
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T123=8.6 9.5 11.3
ALT/AZ=58.2 86.4
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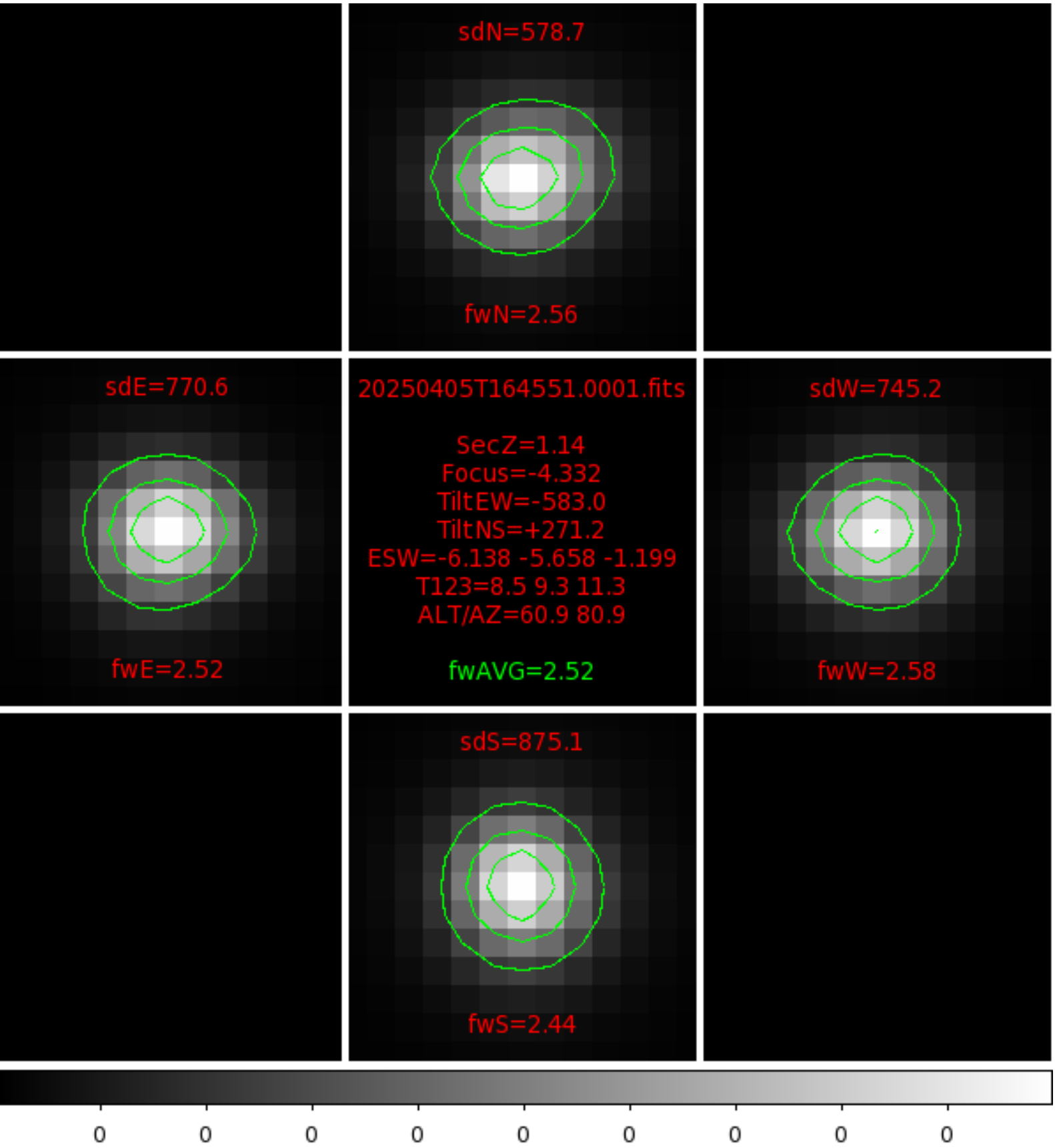
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.138 -5.658 -1.199
T123=8.5 9.3 11.3
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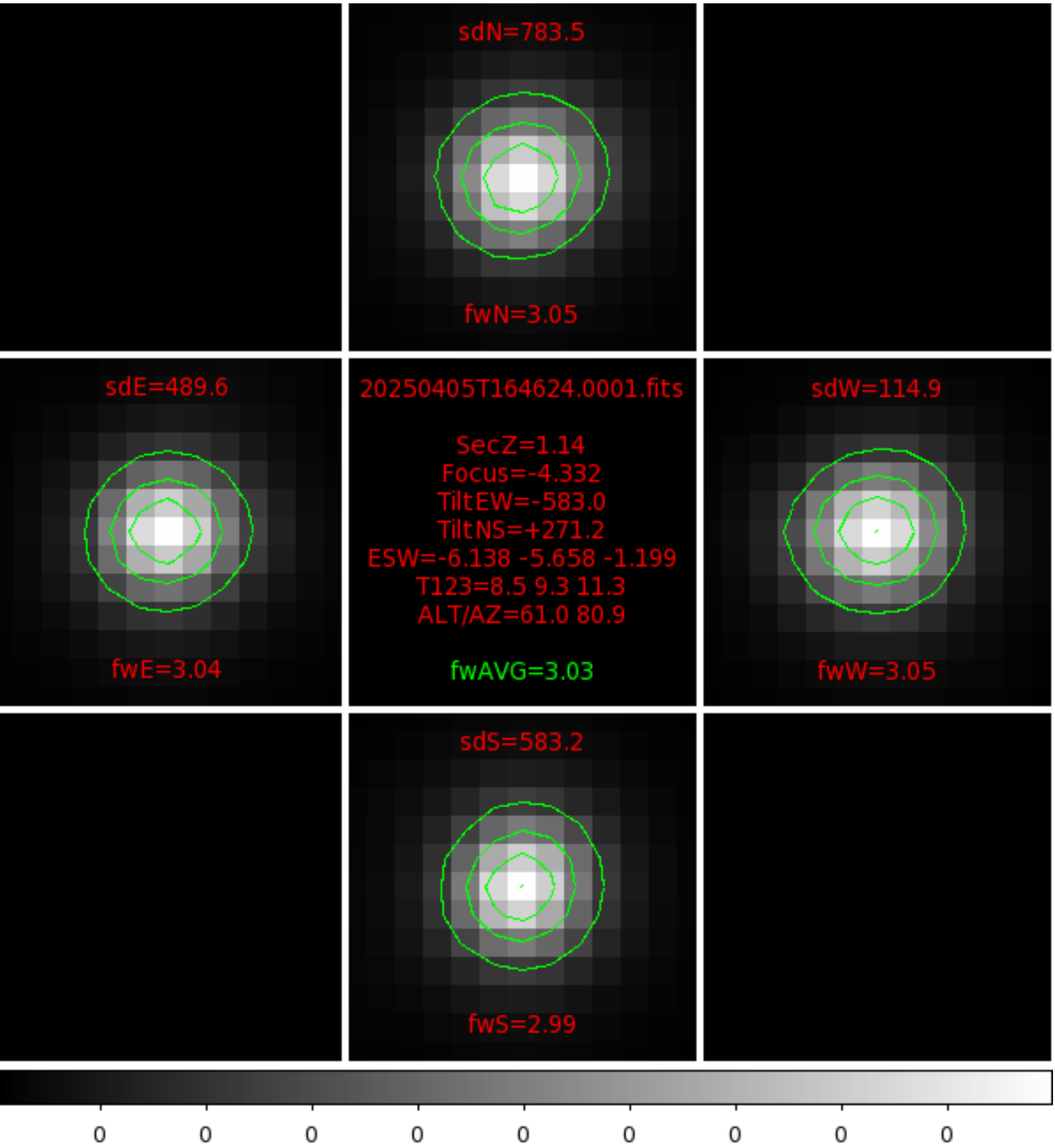
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Focus=-4.332
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.138 -5.658 -1.199
T123=8.5 9.3 11.3
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fwAVG=3.03
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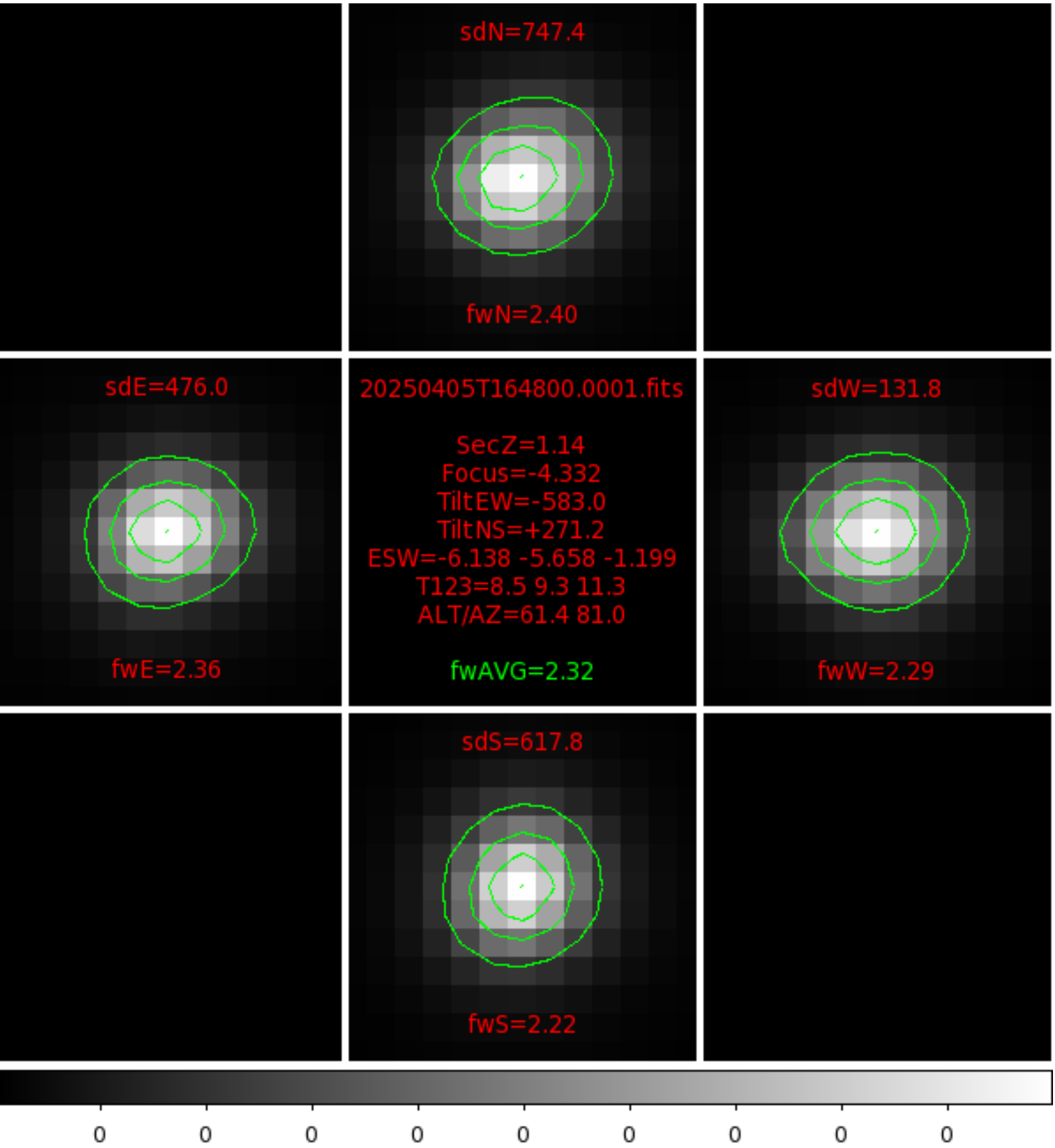
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.138 -5.658 -1.199
T123=8.5 9.3 11.3
ALT/AZ=61.4 81.0
fwAVG=2.32
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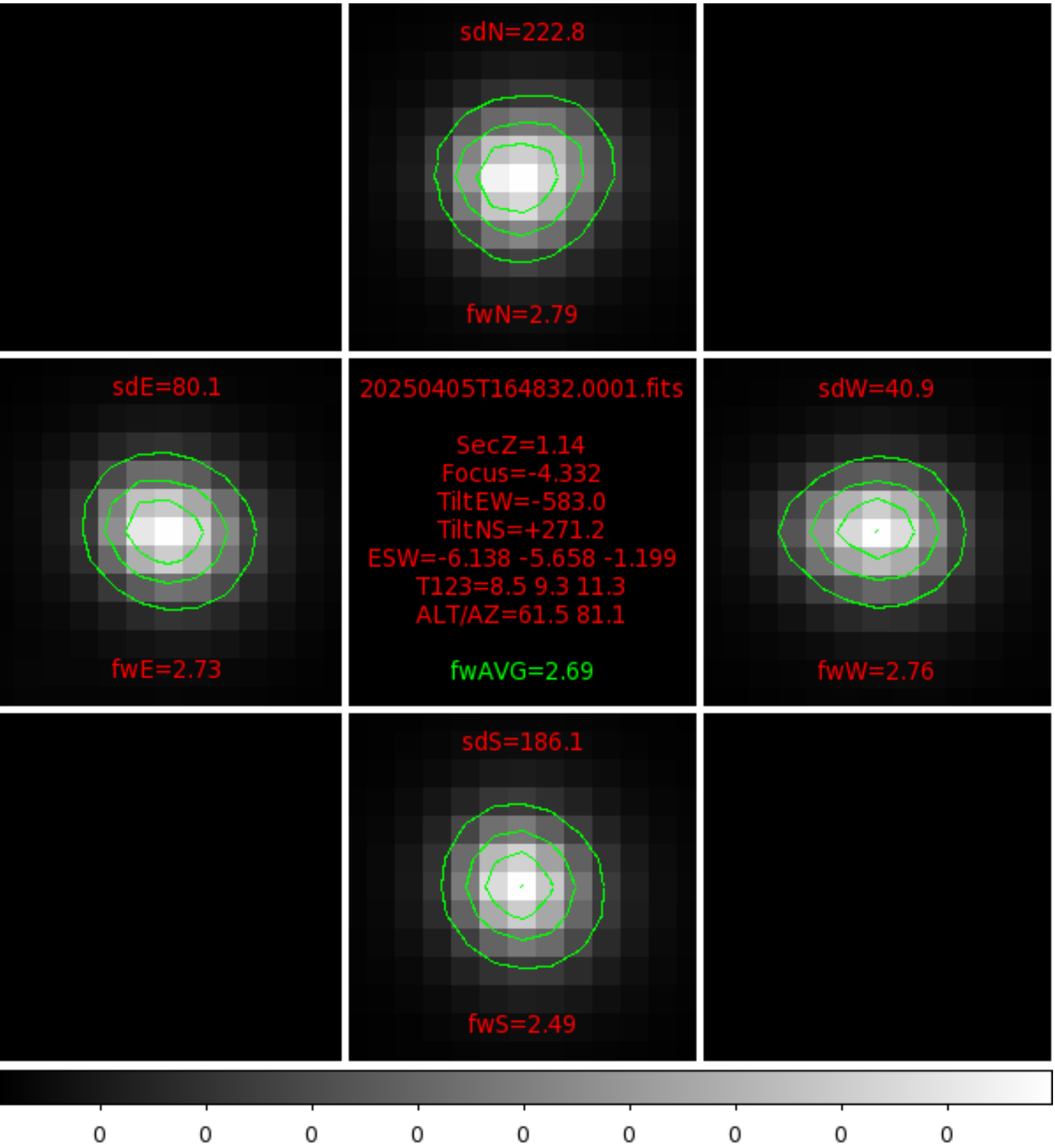
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SecZ=1.14
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.138 -5.658 -1.199
T123=8.5 9.3 11.3
ALT/AZ=61.5 81.1
fwAVG=2.69
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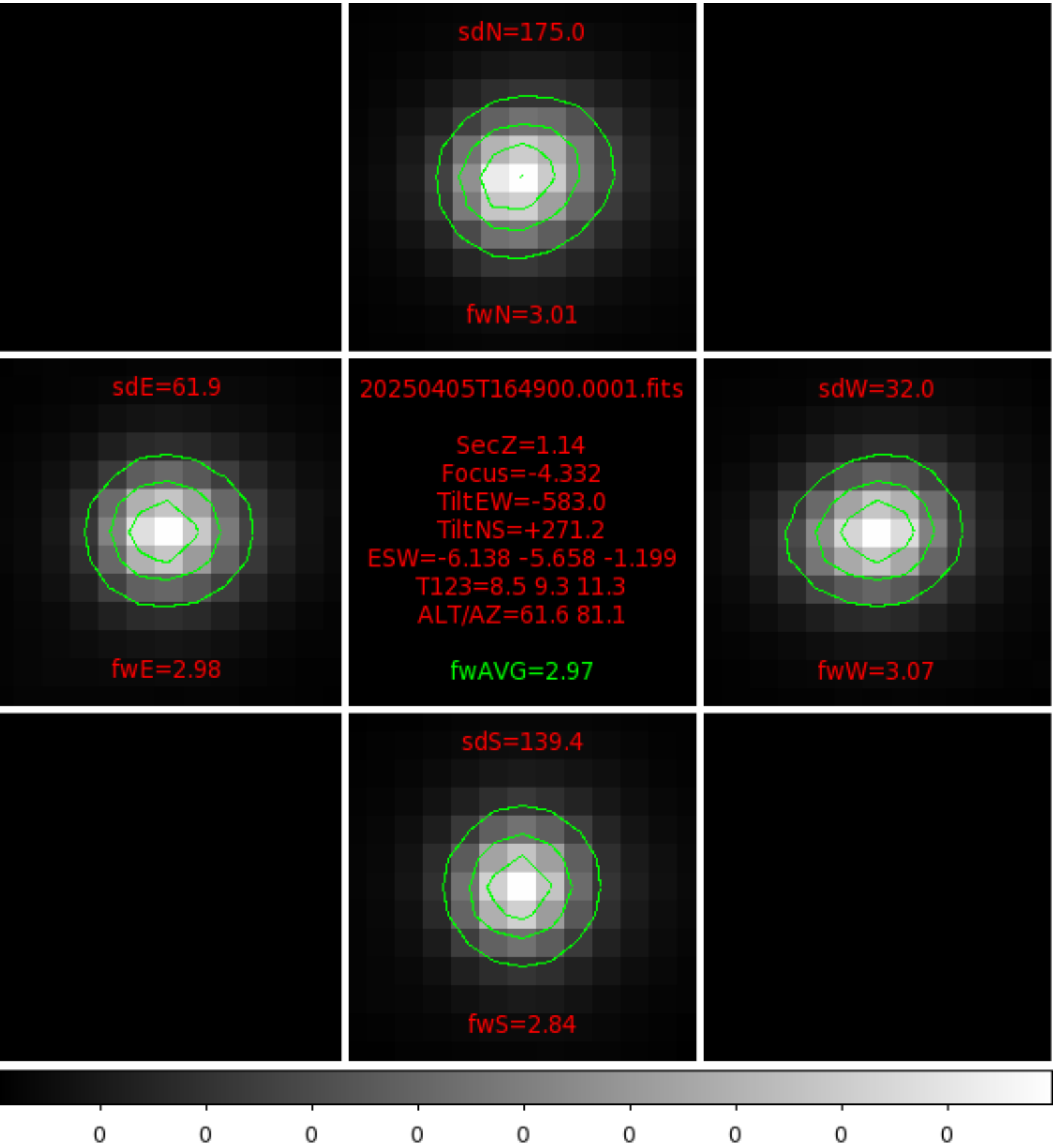
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.138 -5.658 -1.199
T123=8.5 9.3 11.3
ALT/AZ=61.6 81.1
fwAVG=2.97
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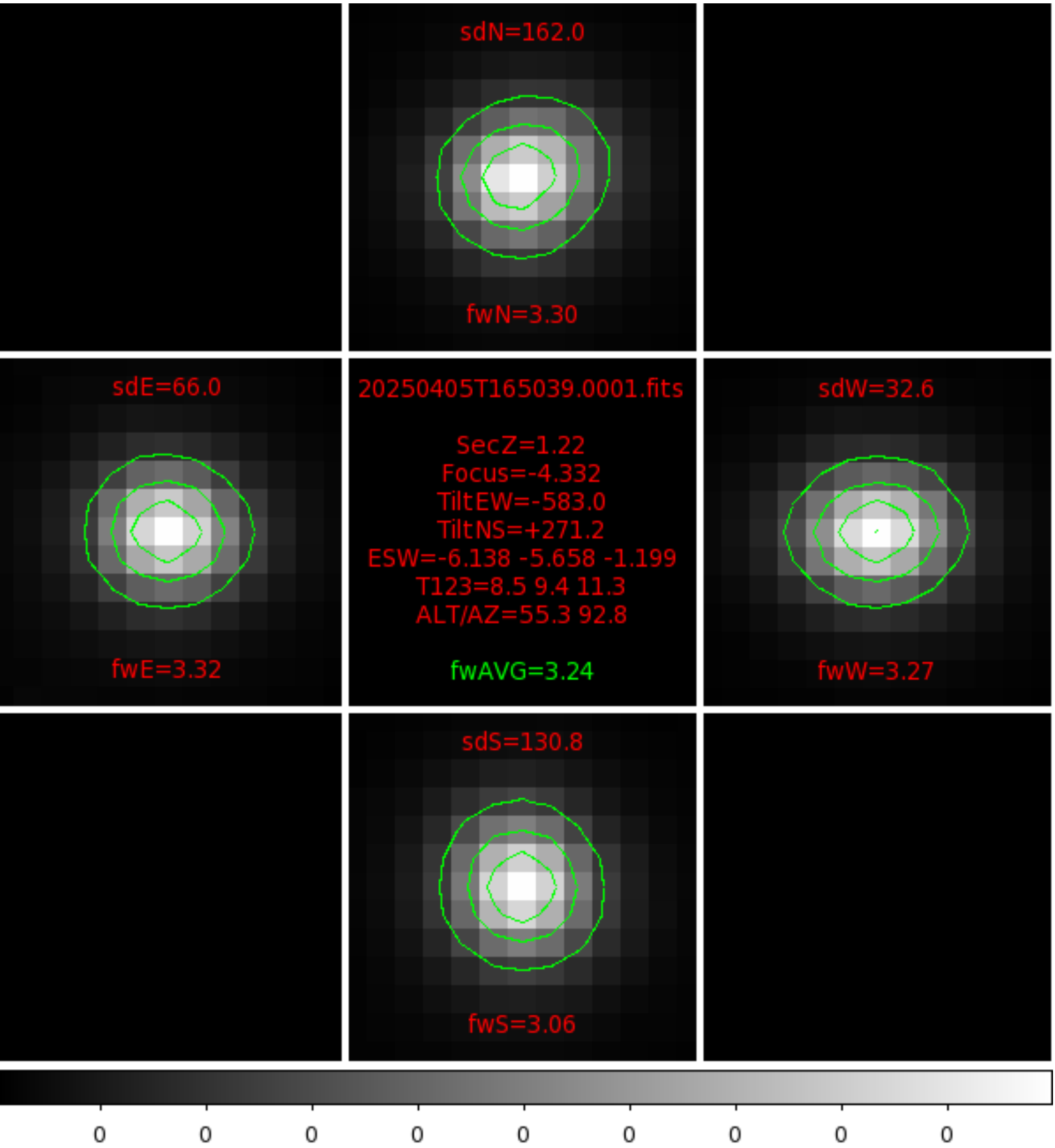
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SecZ=1.22
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.138 -5.658 -1.199
T123=8.5 9.4 11.3
ALT/AZ=55.3 92.8
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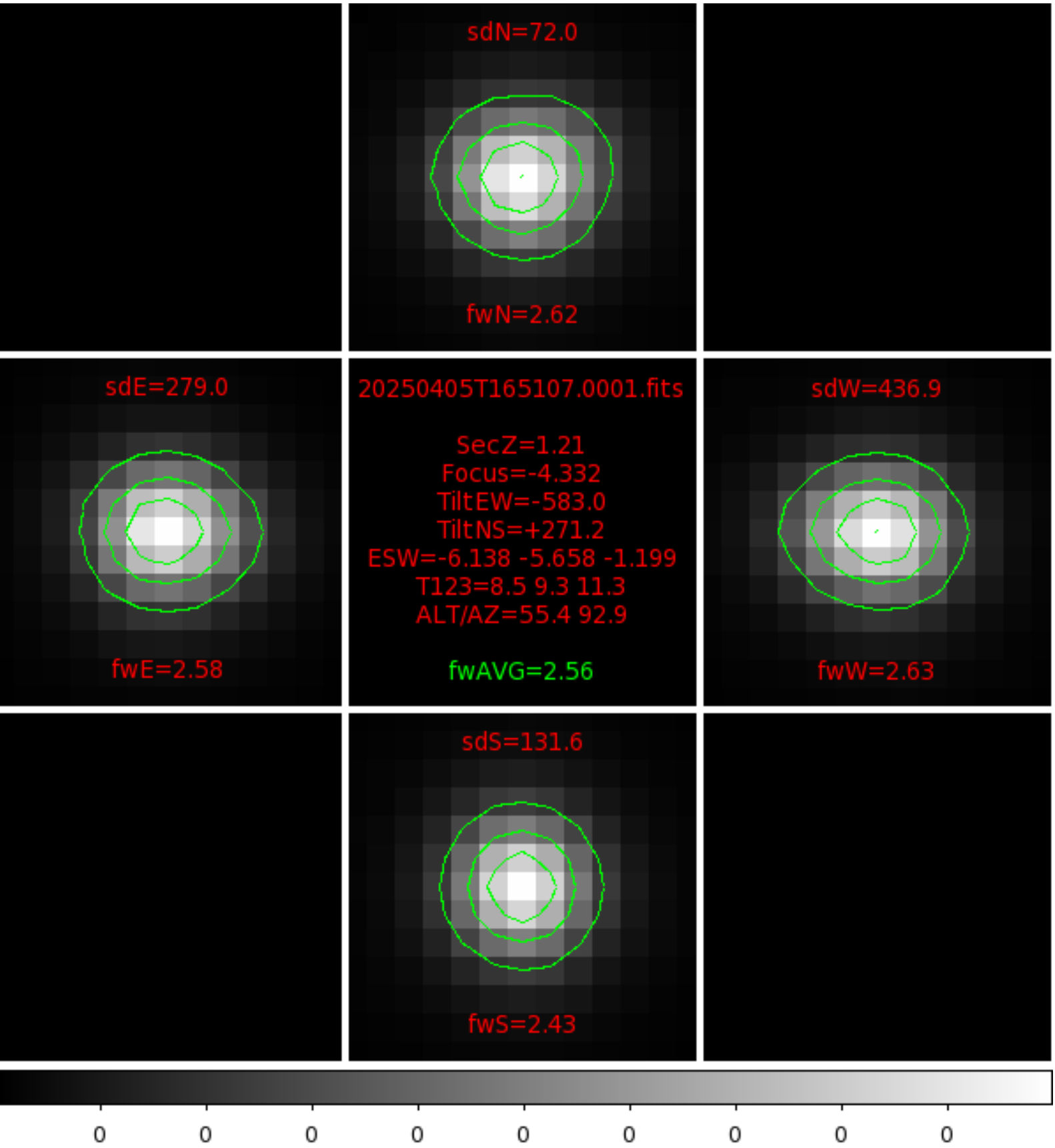
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TiltNS=+271.2
ESW=-6.138 -5.658 -1.199
T123=8.5 9.3 11.3
ALT/AZ=55.4 92.9
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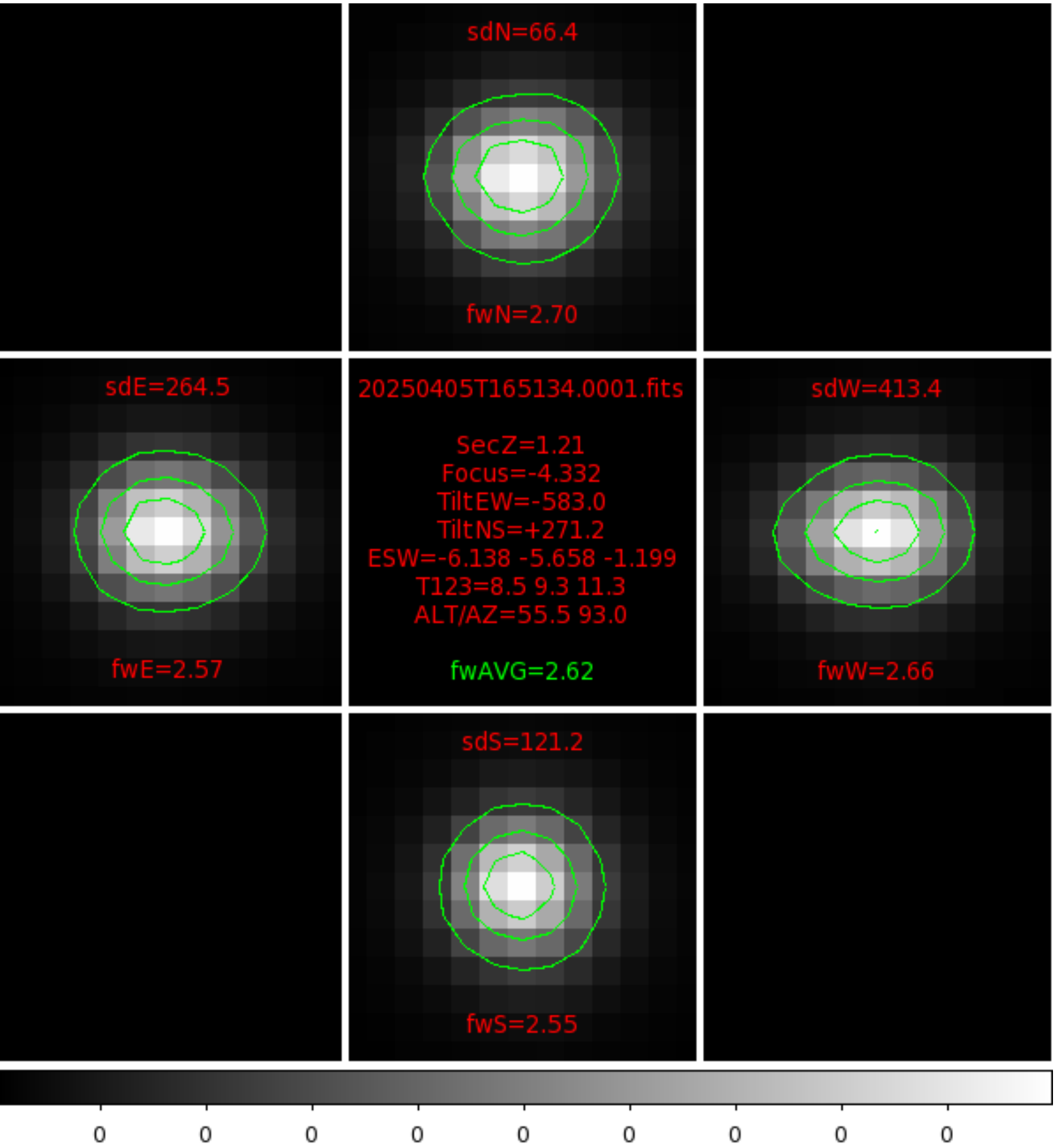
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TiltNS=+271.2
ESW=-6.138 -5.658 -1.199
T123=8.5 9.3 11.3
ALT/AZ=55.5 93.0
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fwW=2.66
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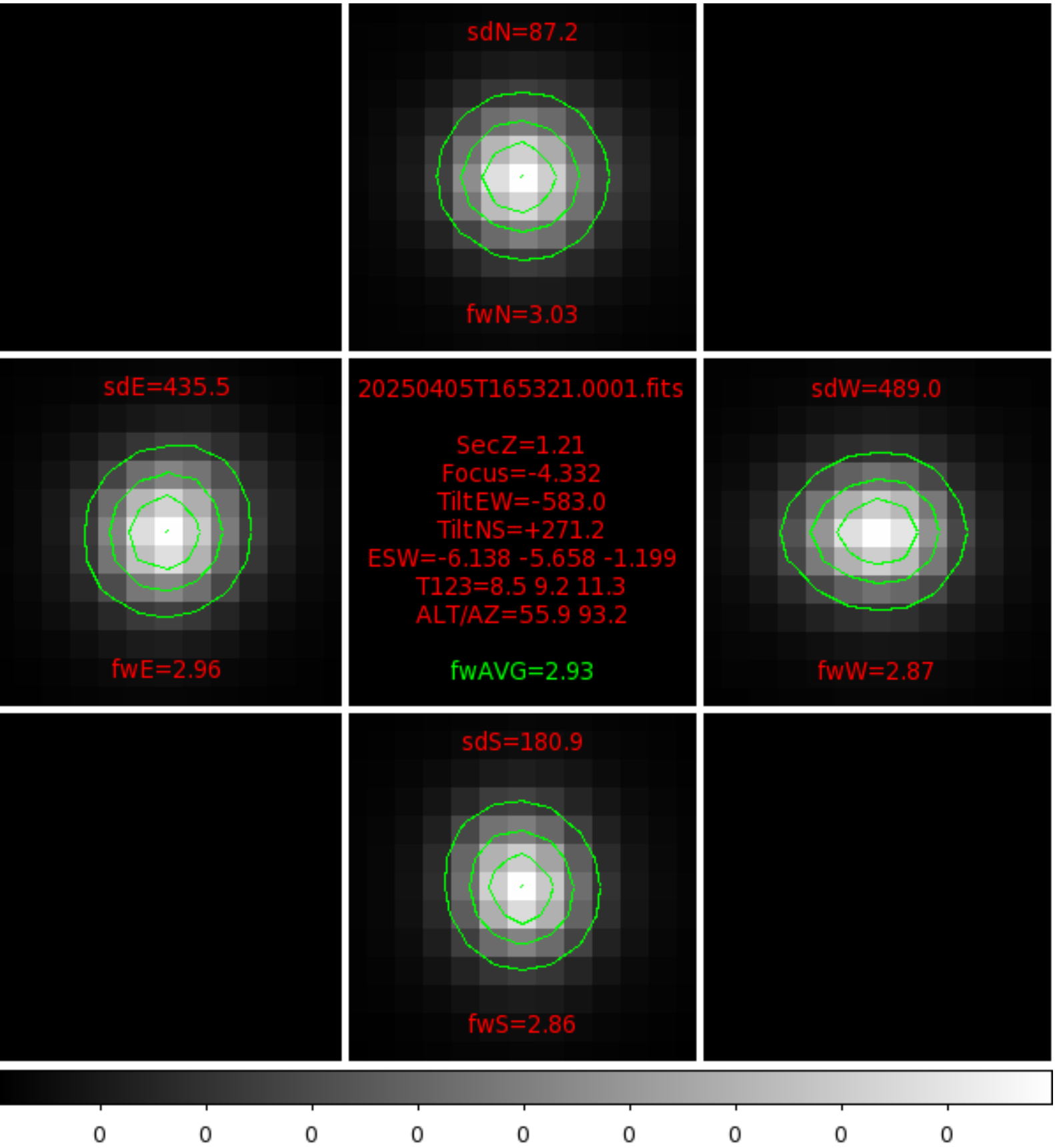
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T123=8.5 9.2 11.3
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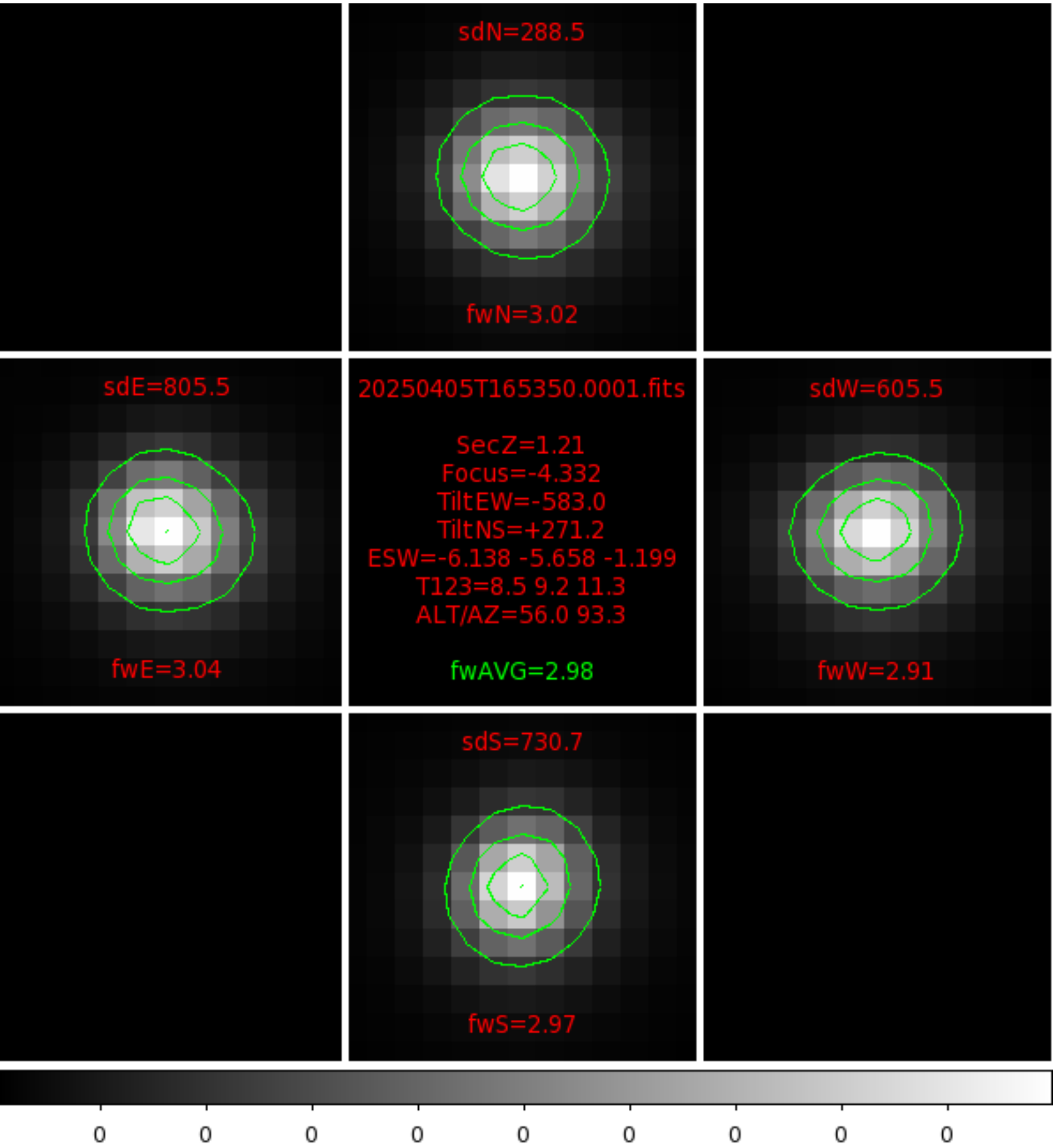
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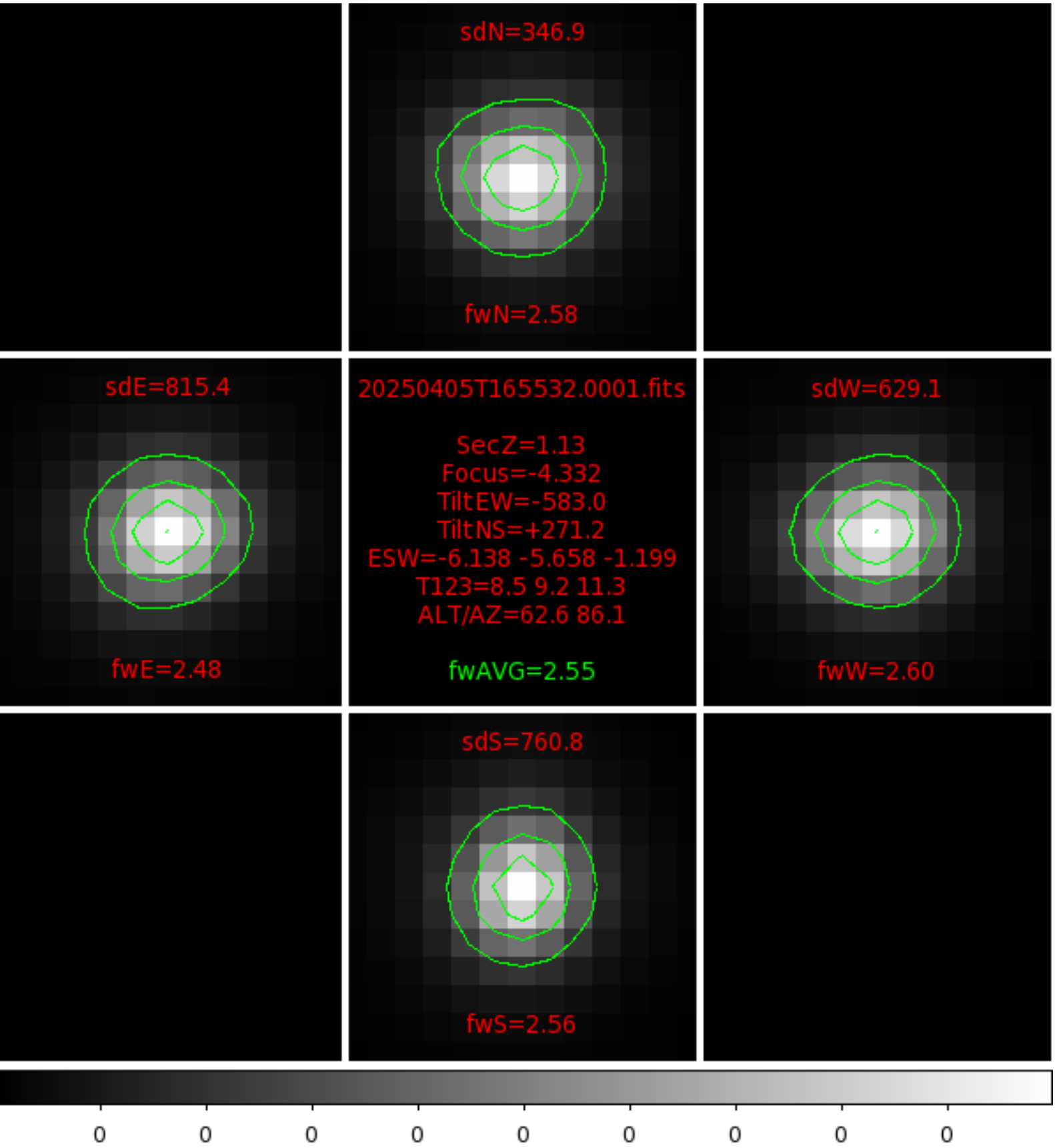
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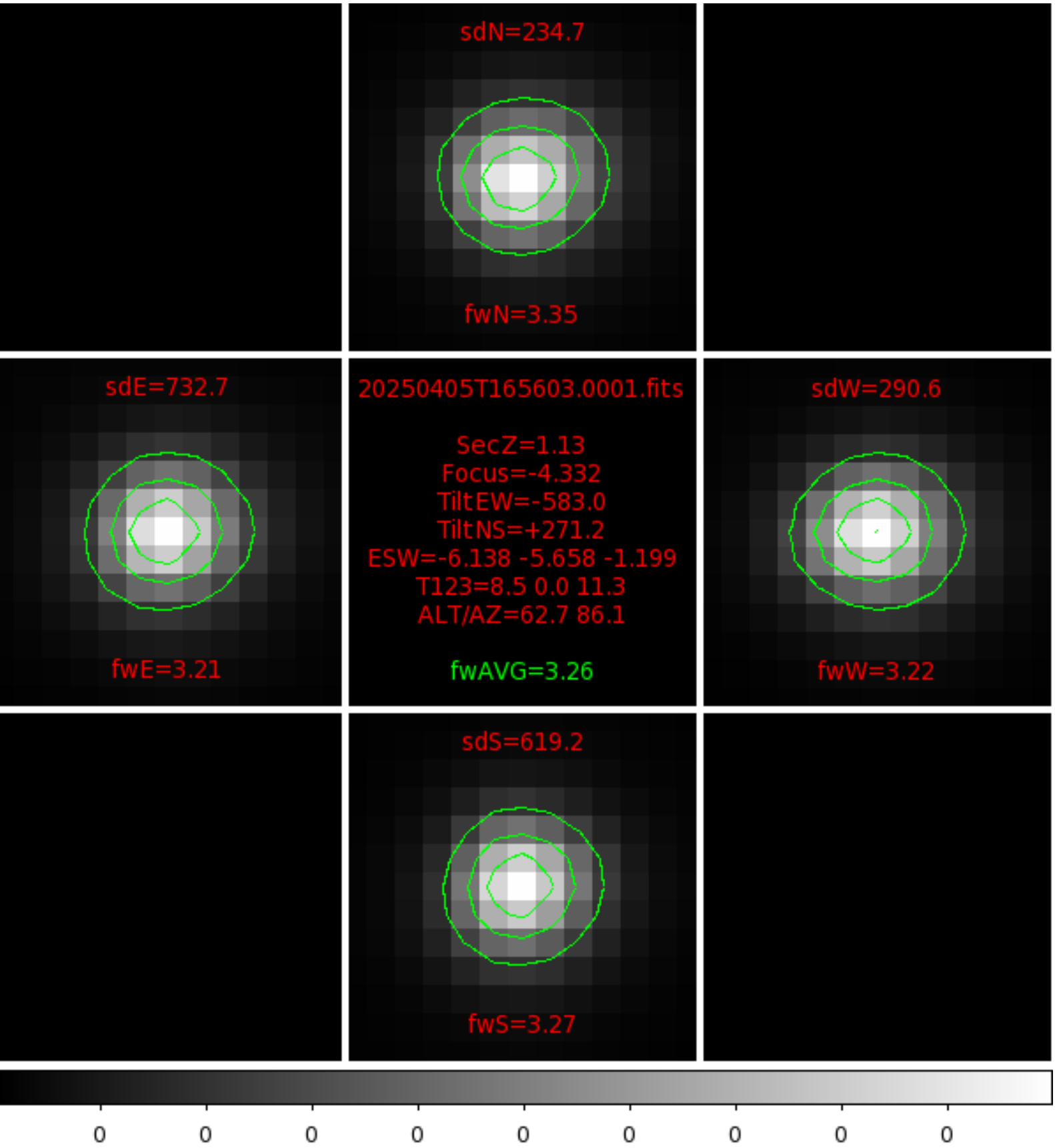
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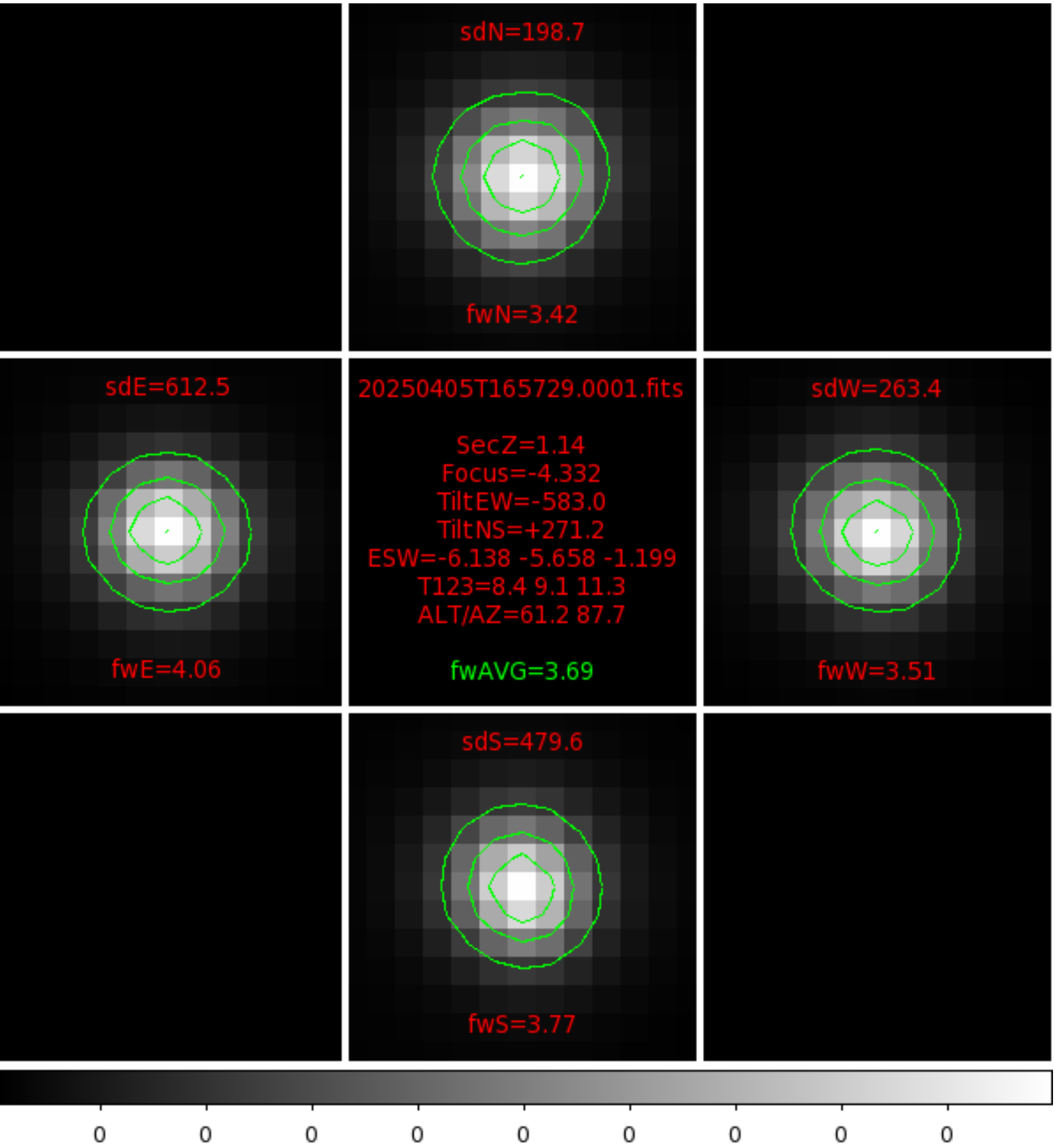
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Focus=-4.332
TiltEW=-583.0
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T123=8.4 9.1 11.3
ALT/AZ=61.2 87.7
fwAVG=3.69
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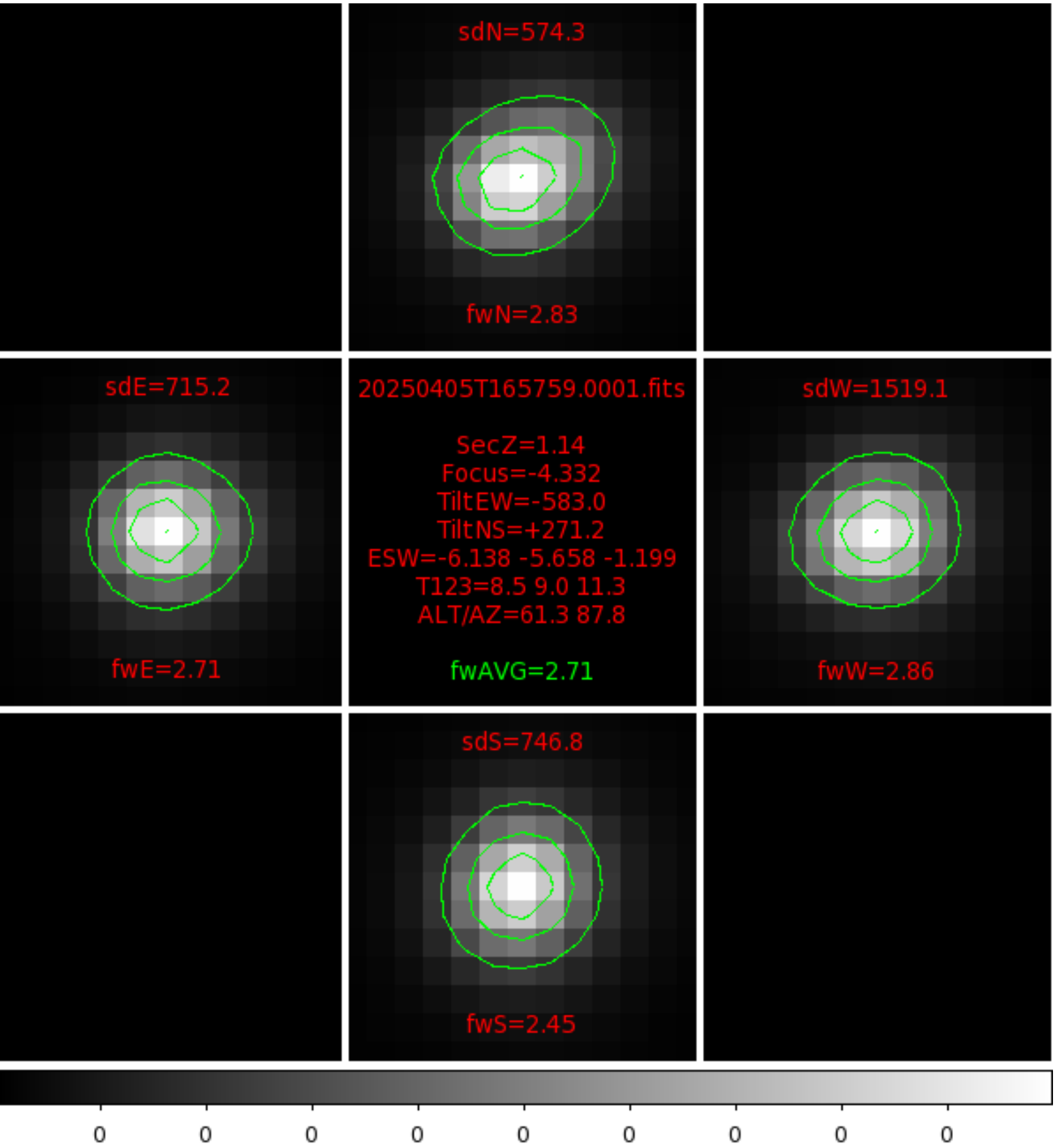
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TiltEW=-583.0
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T123=8.5 9.0 11.3
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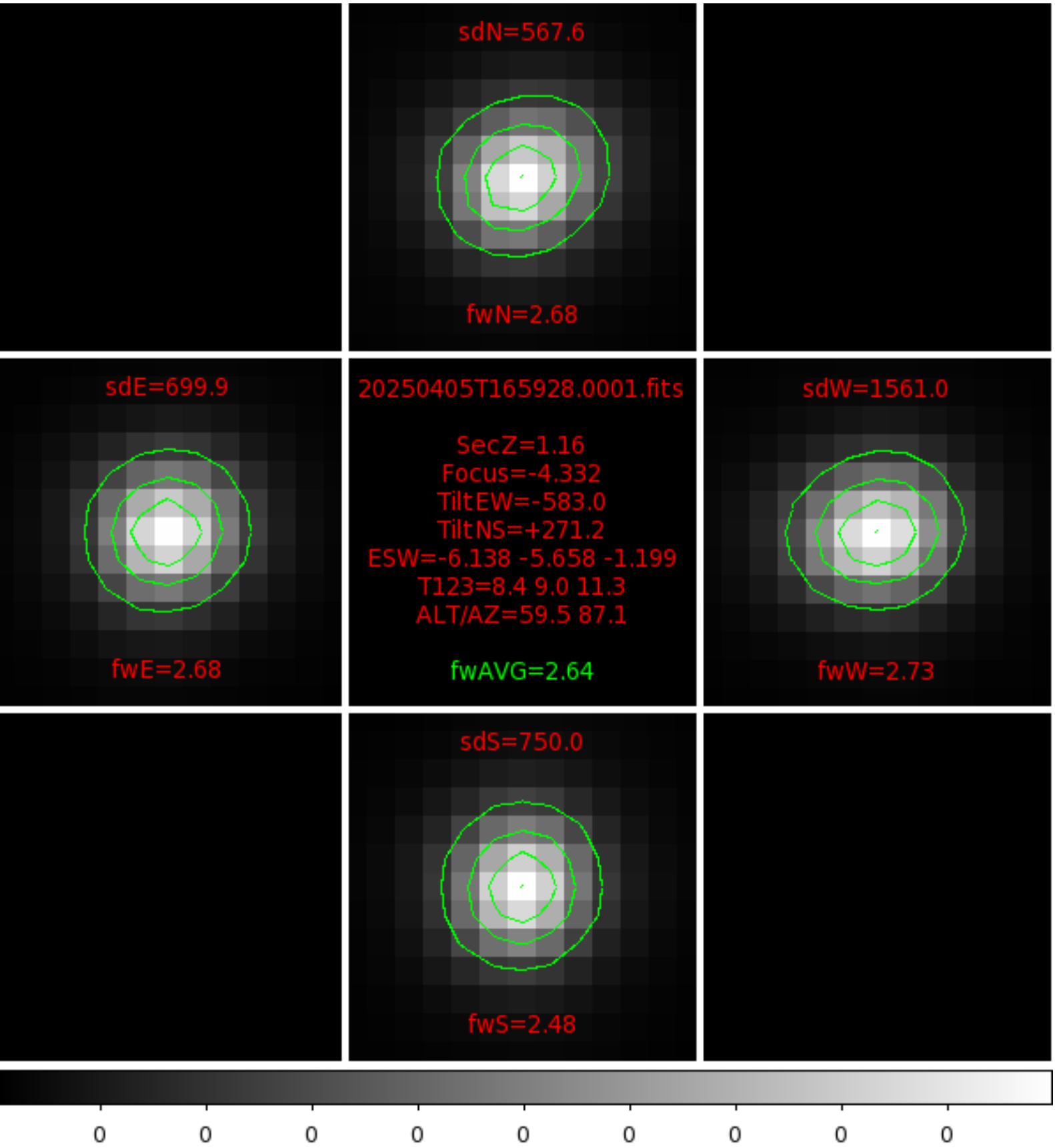
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ESW=-6.138 -5.658 -1.199
T123=8.4 9.0 11.3
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fwAVG=2.64
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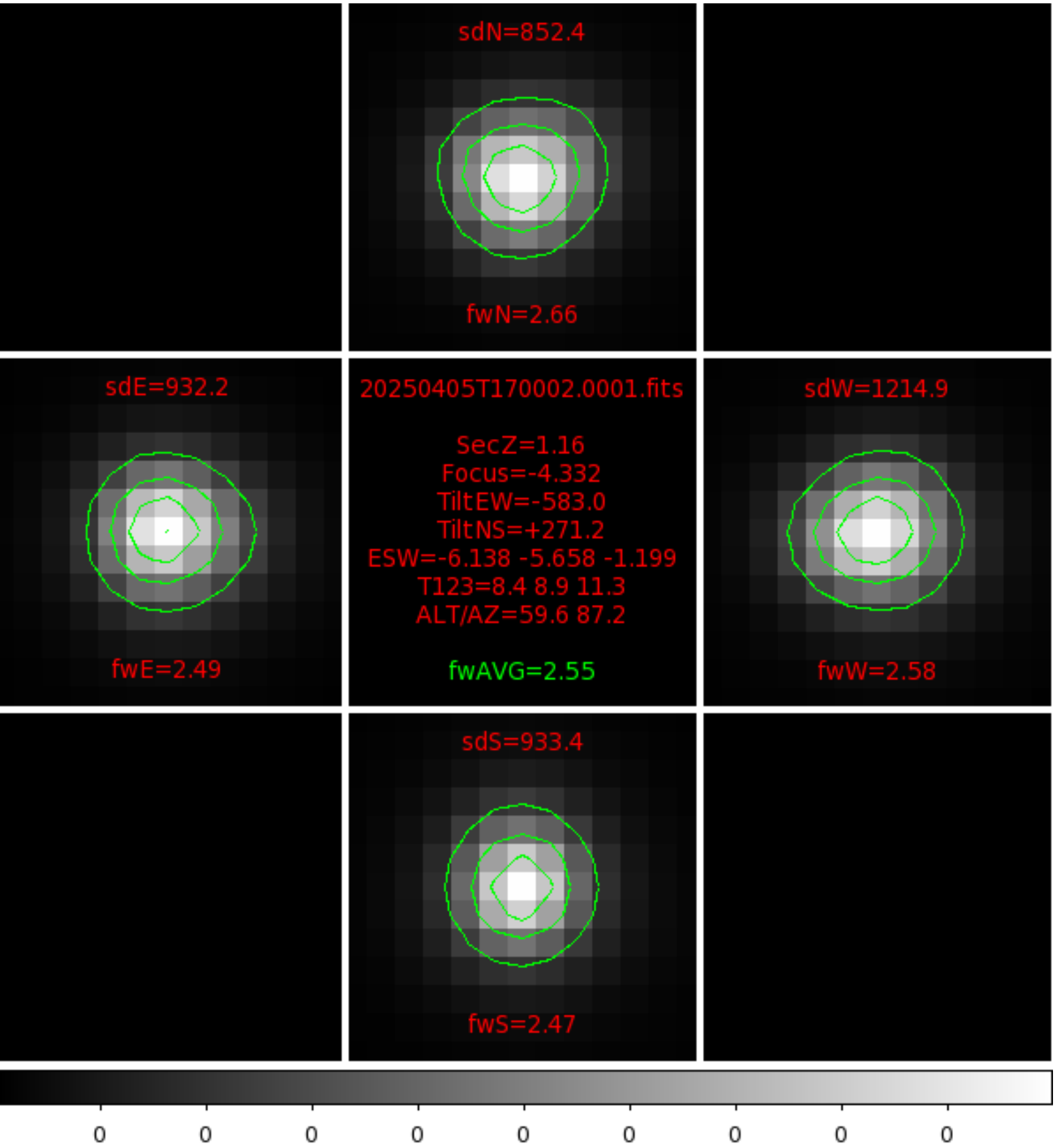
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SecZ=1.16
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.138 -5.658 -1.199
T123=8.4 8.9 11.3
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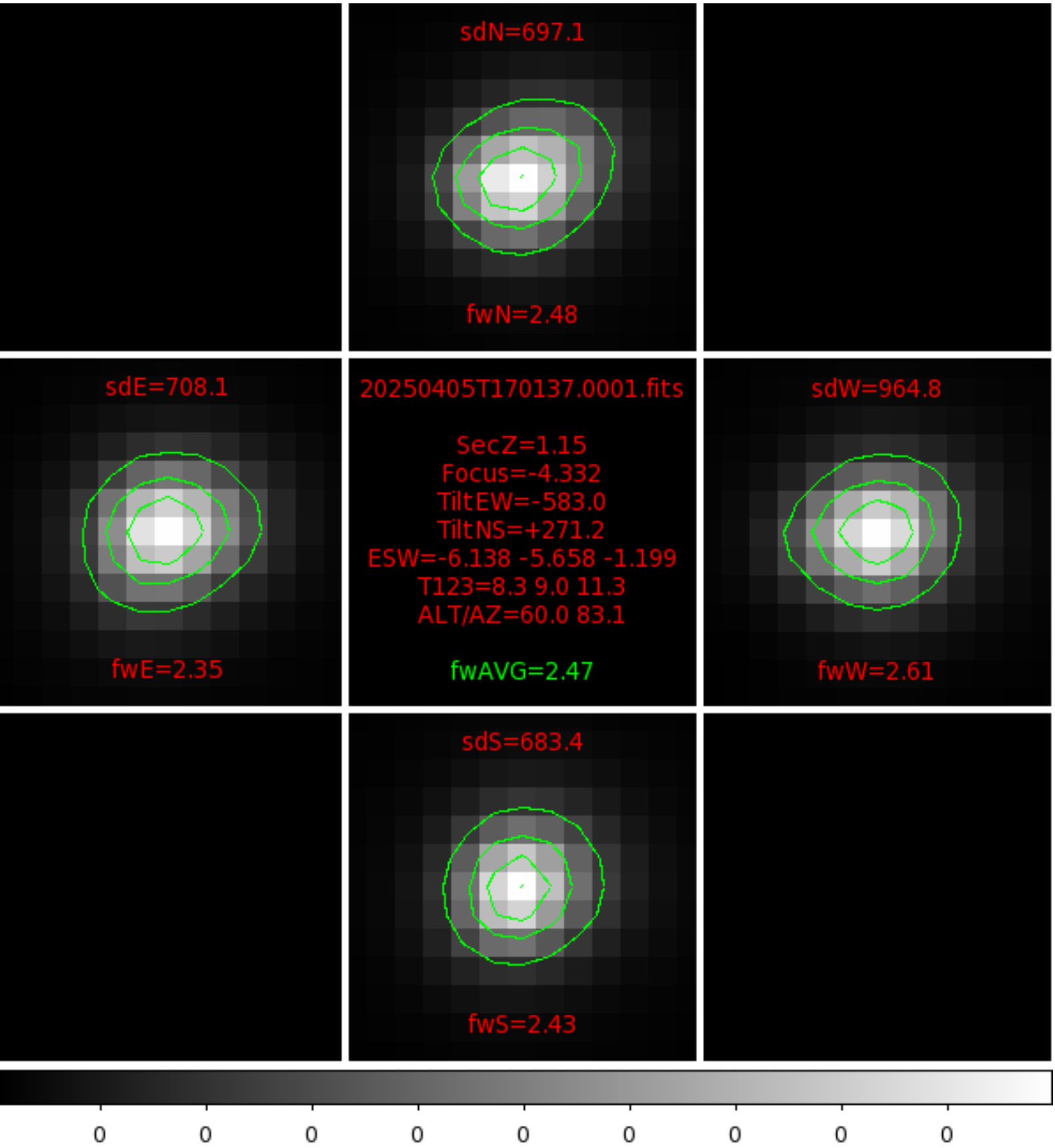
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ESW=-6.138 -5.658 -1.199
T123=8.3 9.0 11.3
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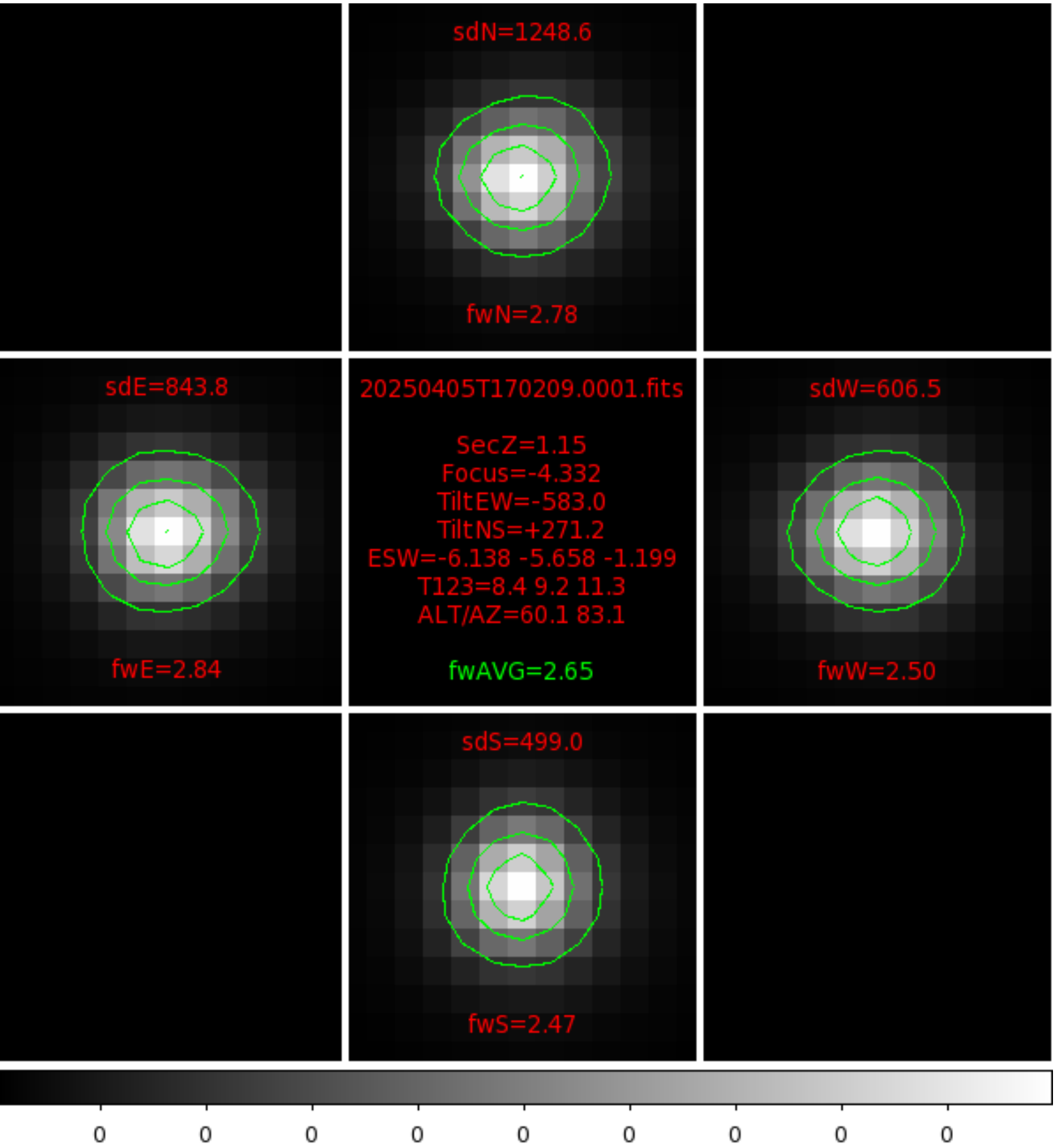
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T123=8.4 9.2 11.3
ALT/AZ=60.1 83.1
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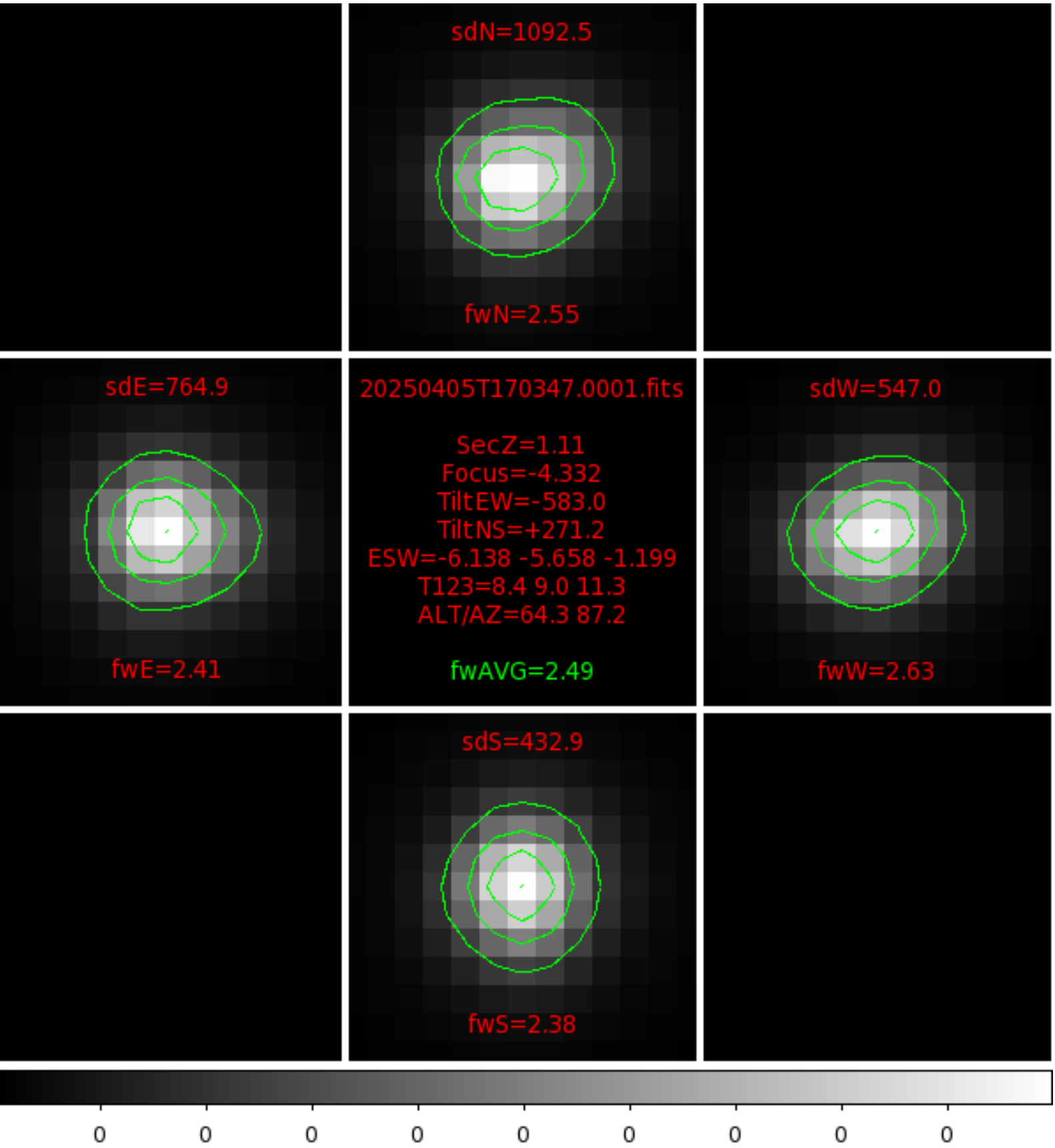
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Focus=-4.332
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.138 -5.658 -1.199
T123=8.4 9.0 11.3
ALT/AZ=64.3 87.2
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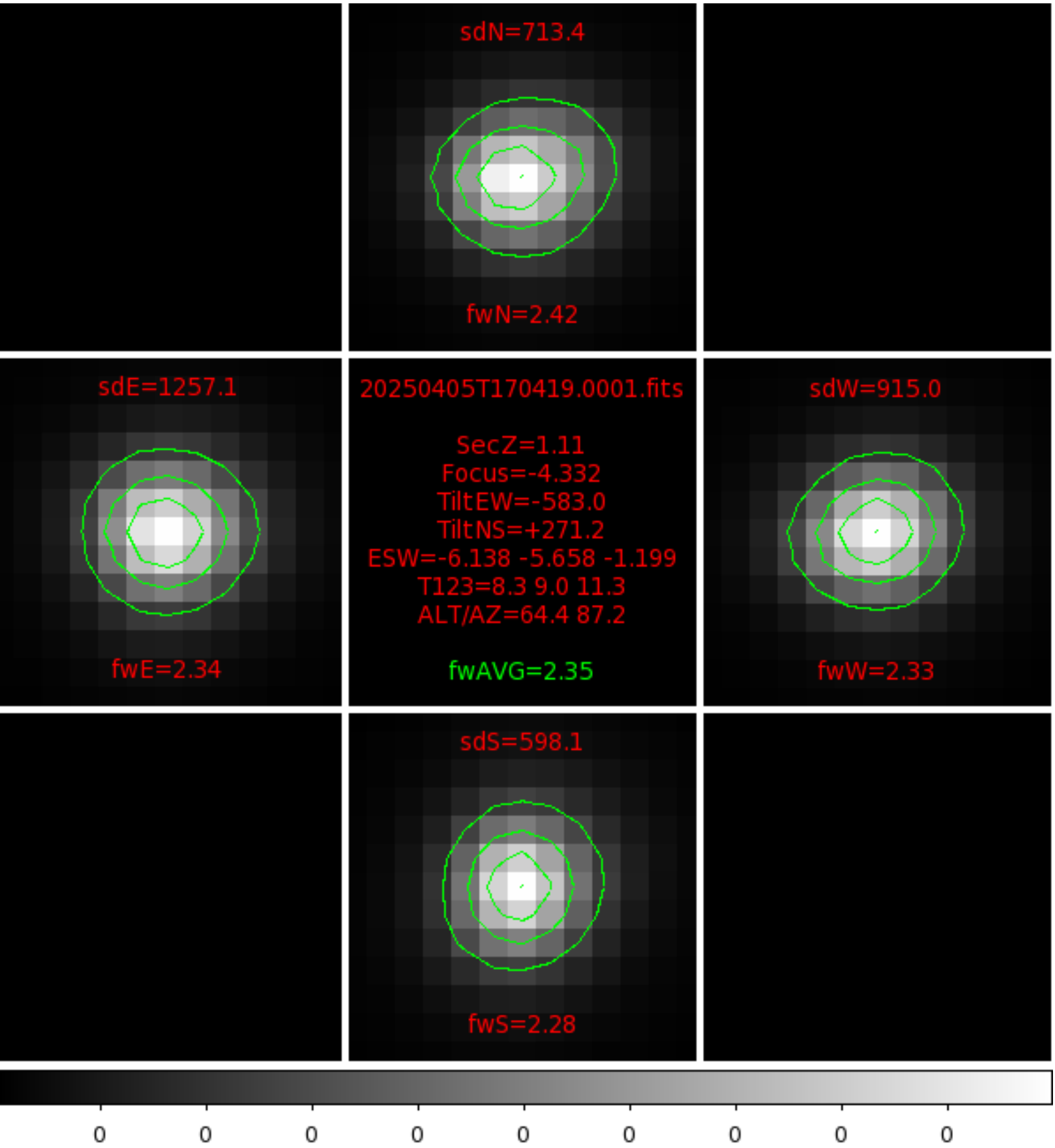
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Focus=-4.332
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TiltNS=+271.2
ESW=-6.138 -5.658 -1.199
T123=8.3 9.0 11.3
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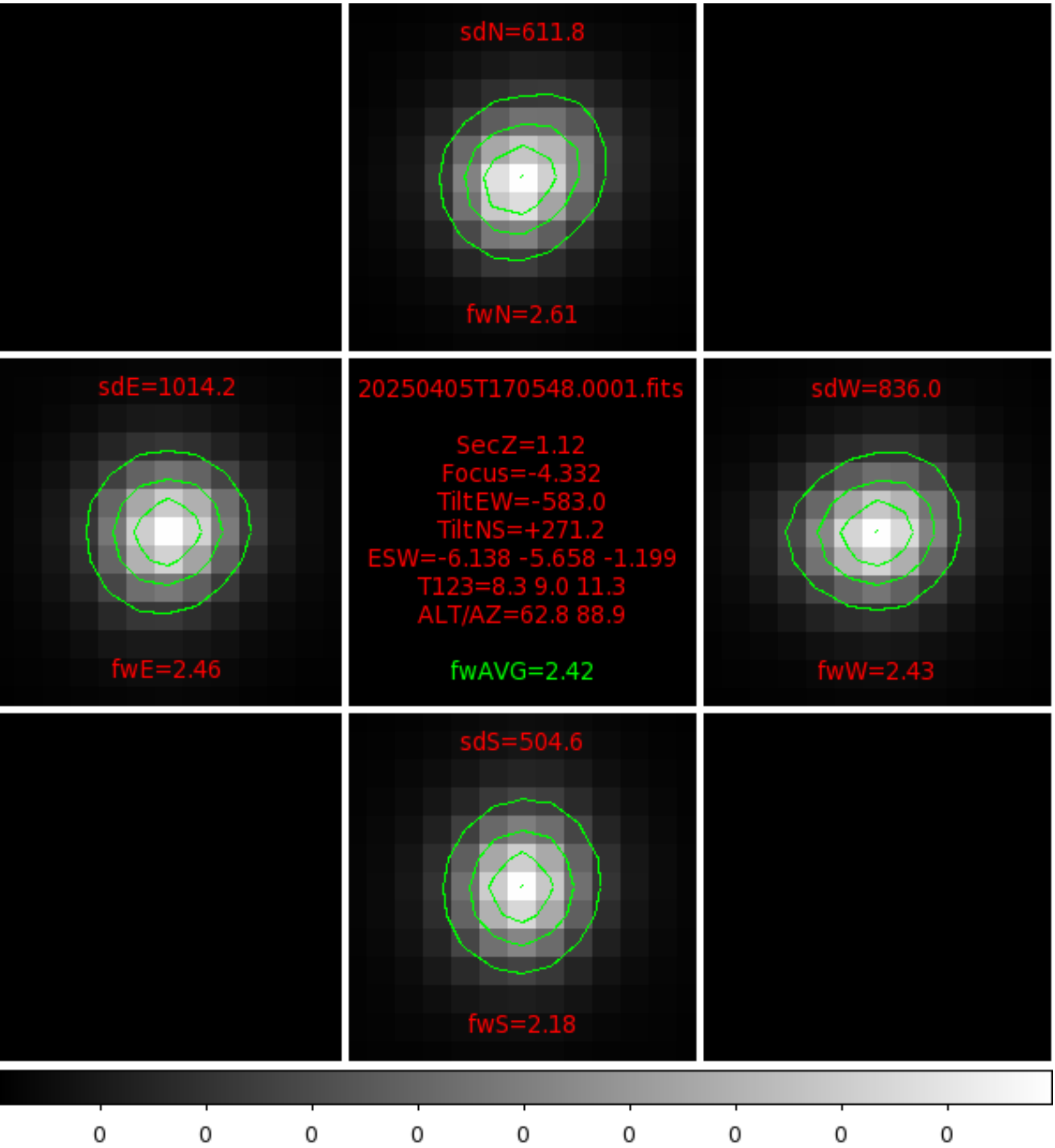
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ESW=-6.138 -5.658 -1.199
T123=8.3 9.0 11.3
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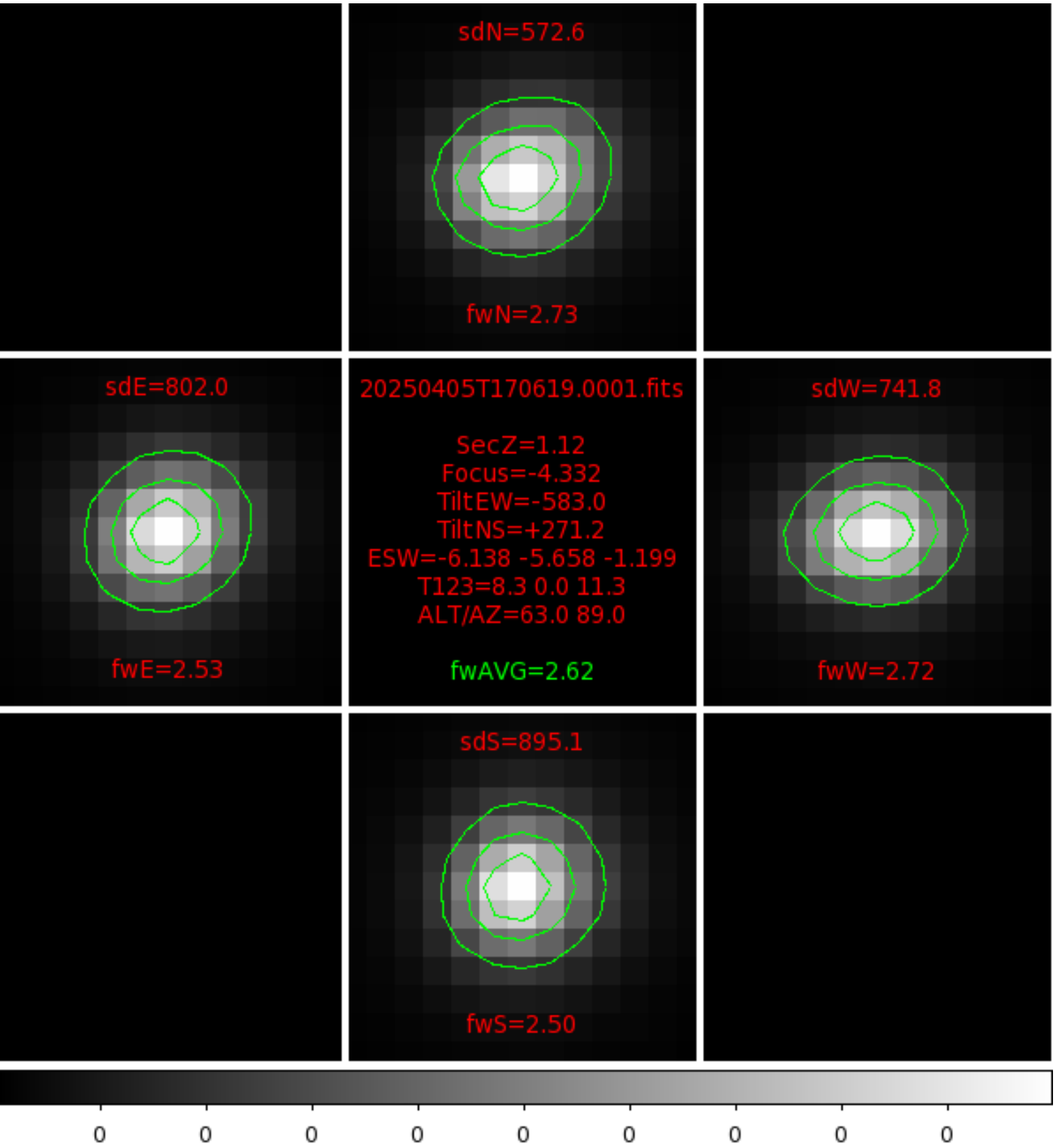
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TiltNS=+271.2
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T123=8.3 0.0 11.3
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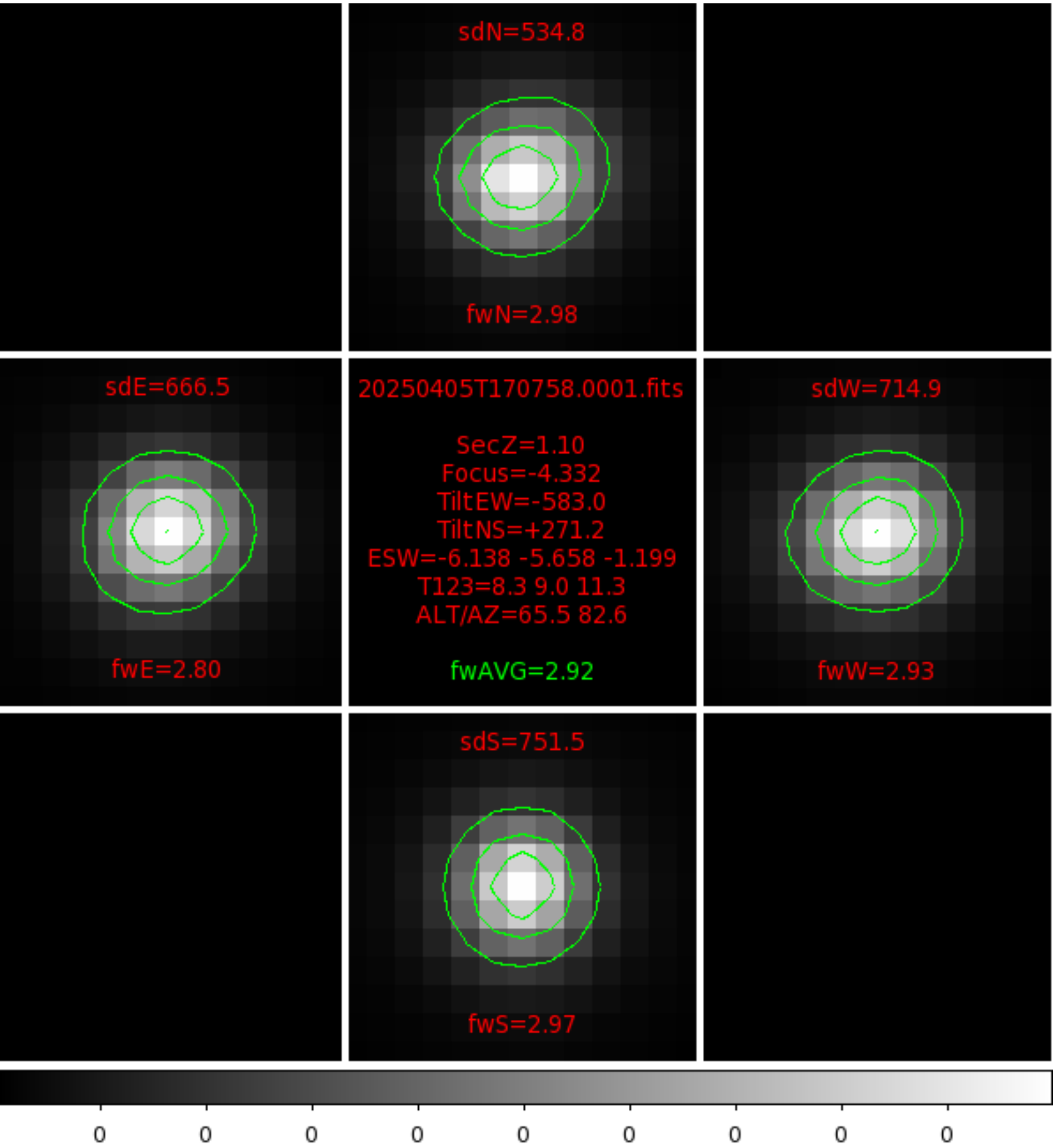
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TiltNS=+271.2
ESW=-6.138 -5.658 -1.199
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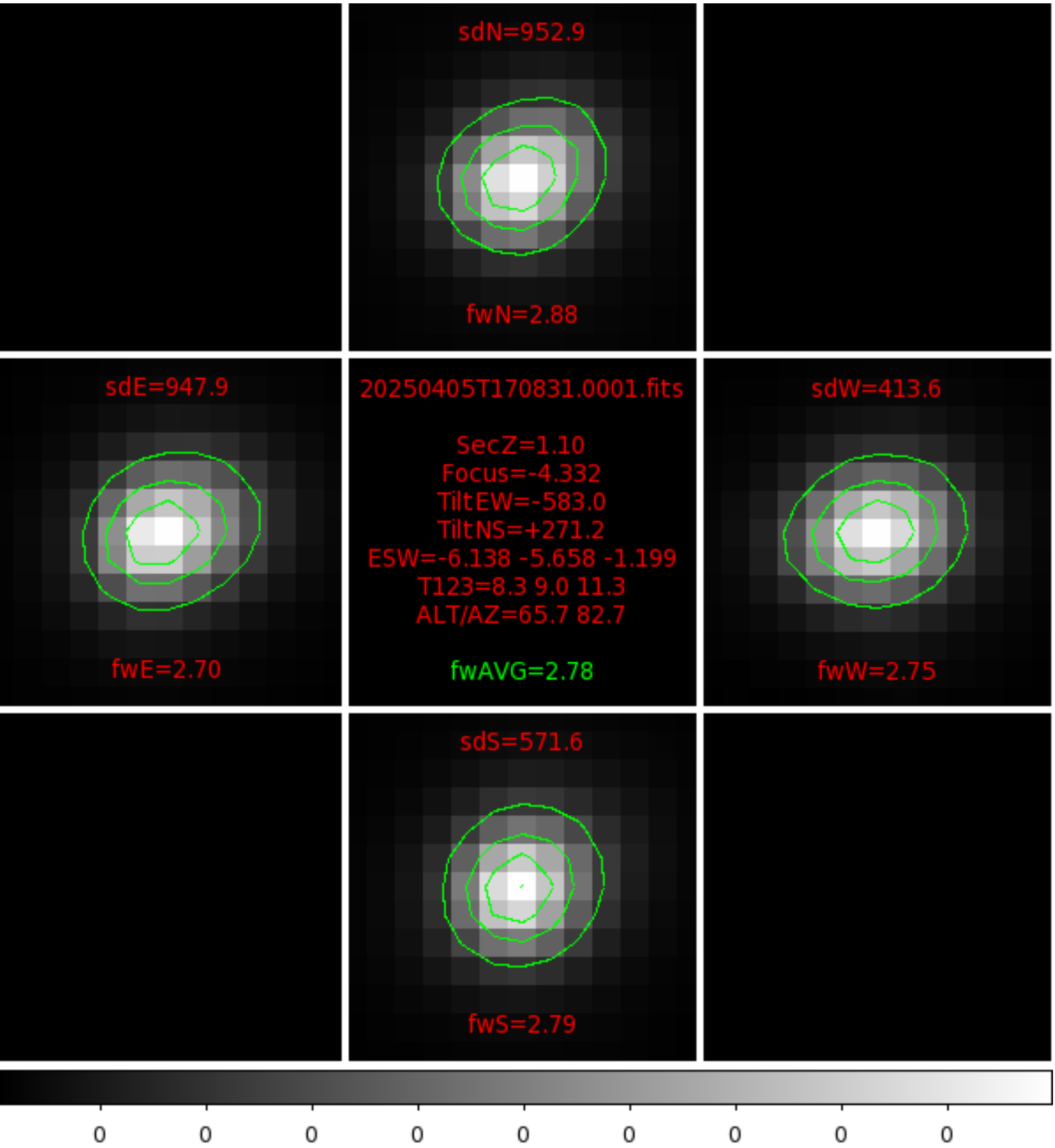
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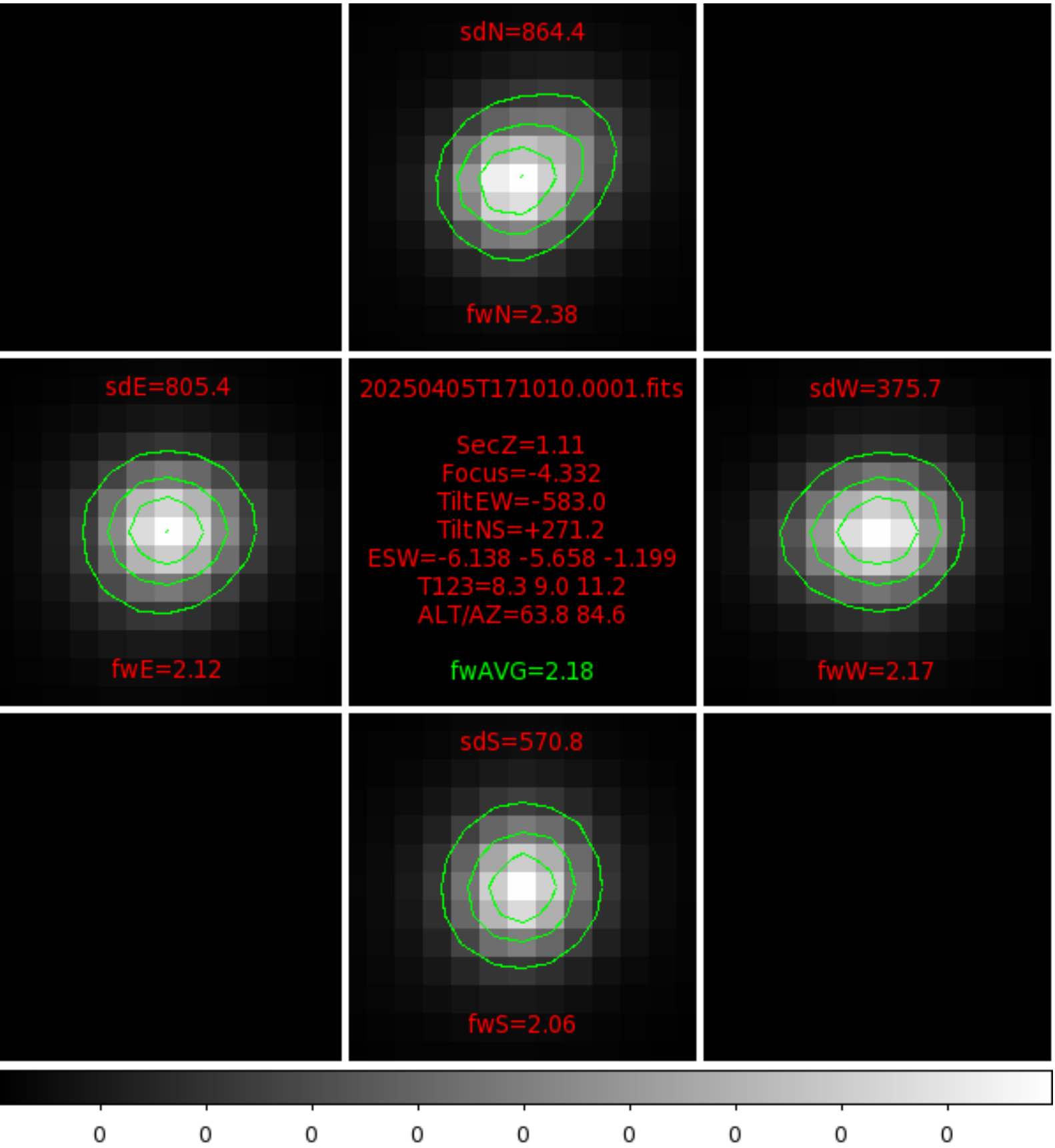
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ESW=-6.138 -5.658 -1.199
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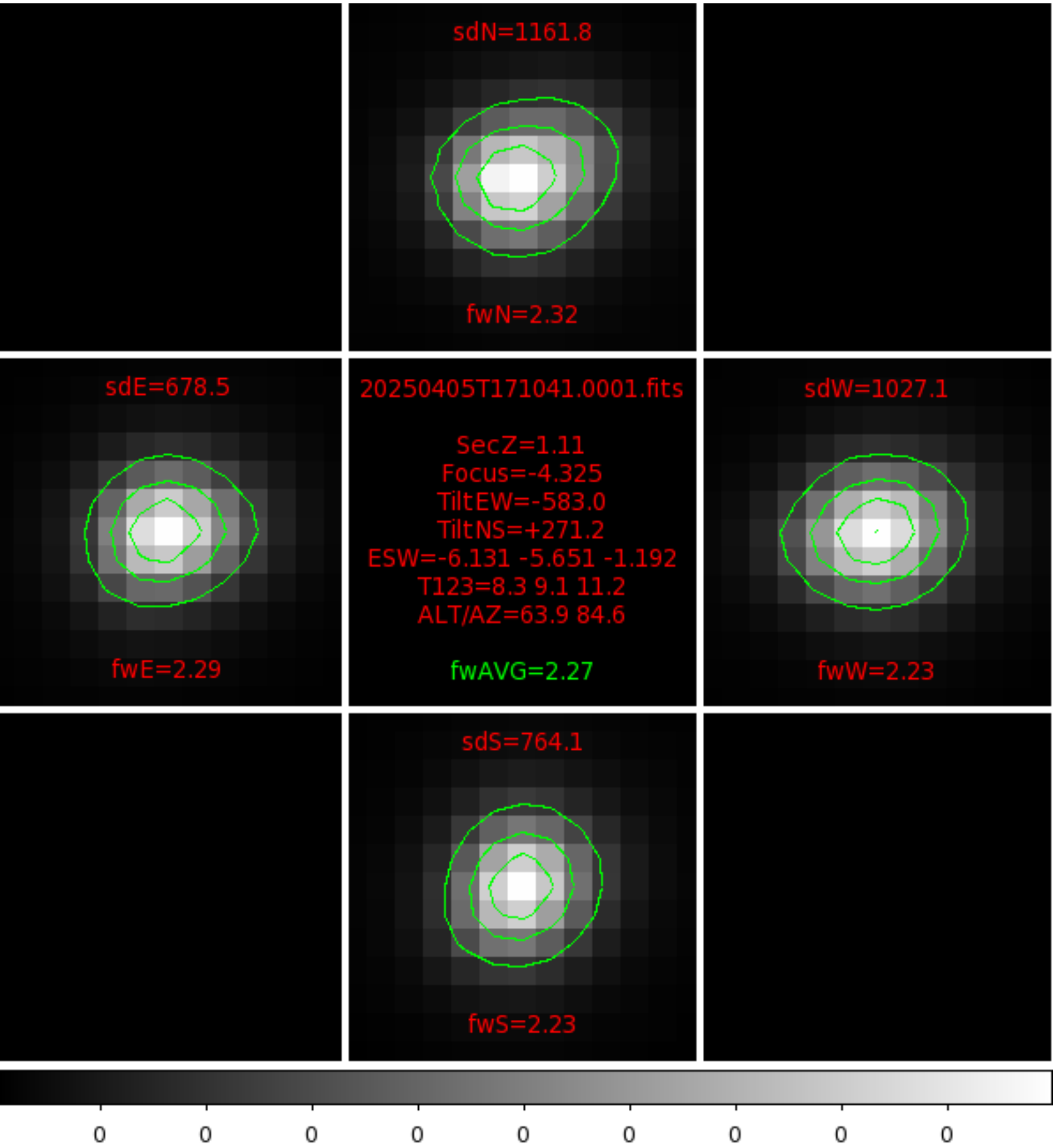
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.131 -5.651 -1.192
T123=8.3 9.1 11.2
ALT/AZ=63.9 84.6
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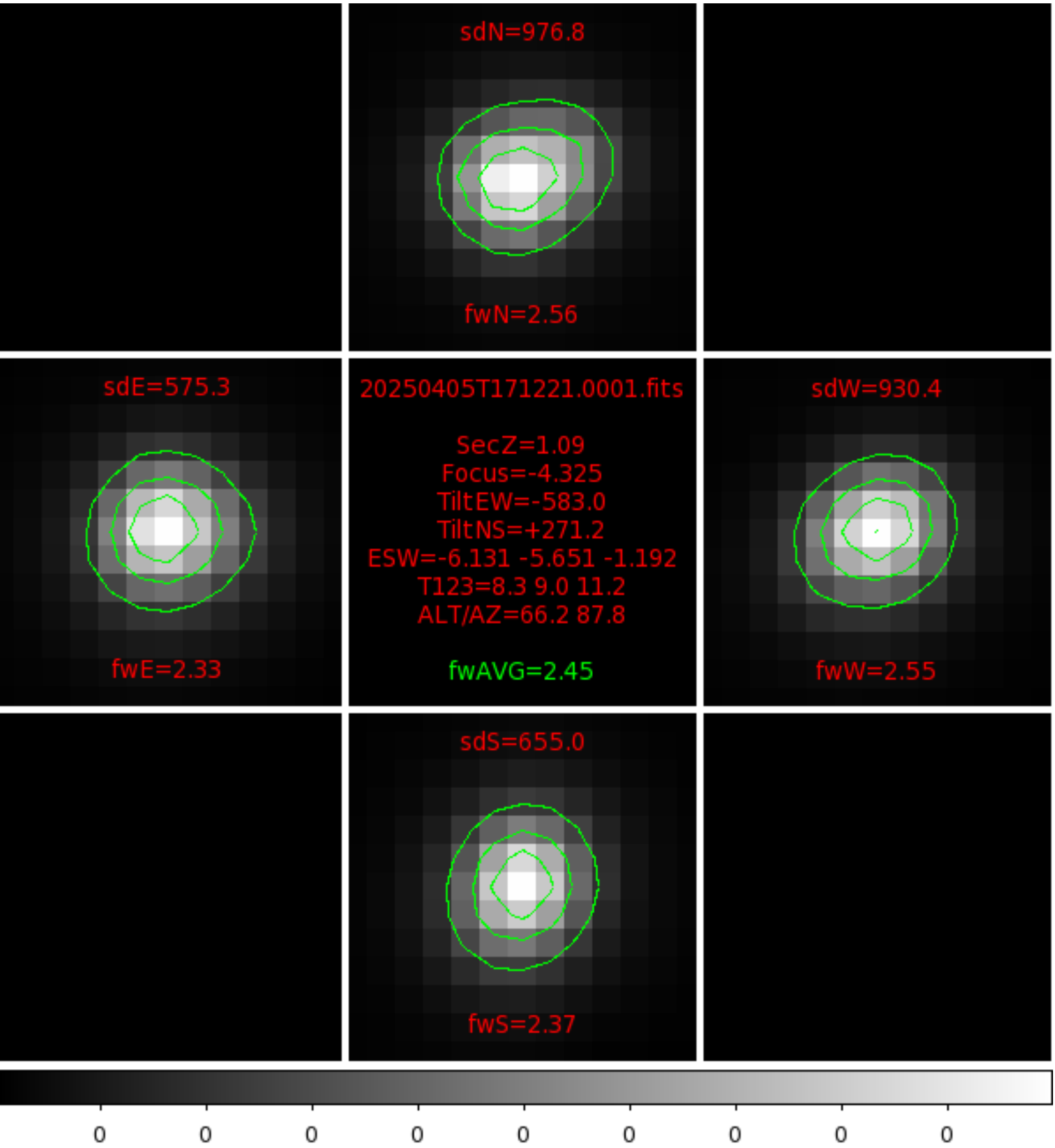
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TiltNS=+271.2
ESW=-6.131 -5.651 -1.192
T123=8.3 9.0 11.2
ALT/AZ=66.2 87.8
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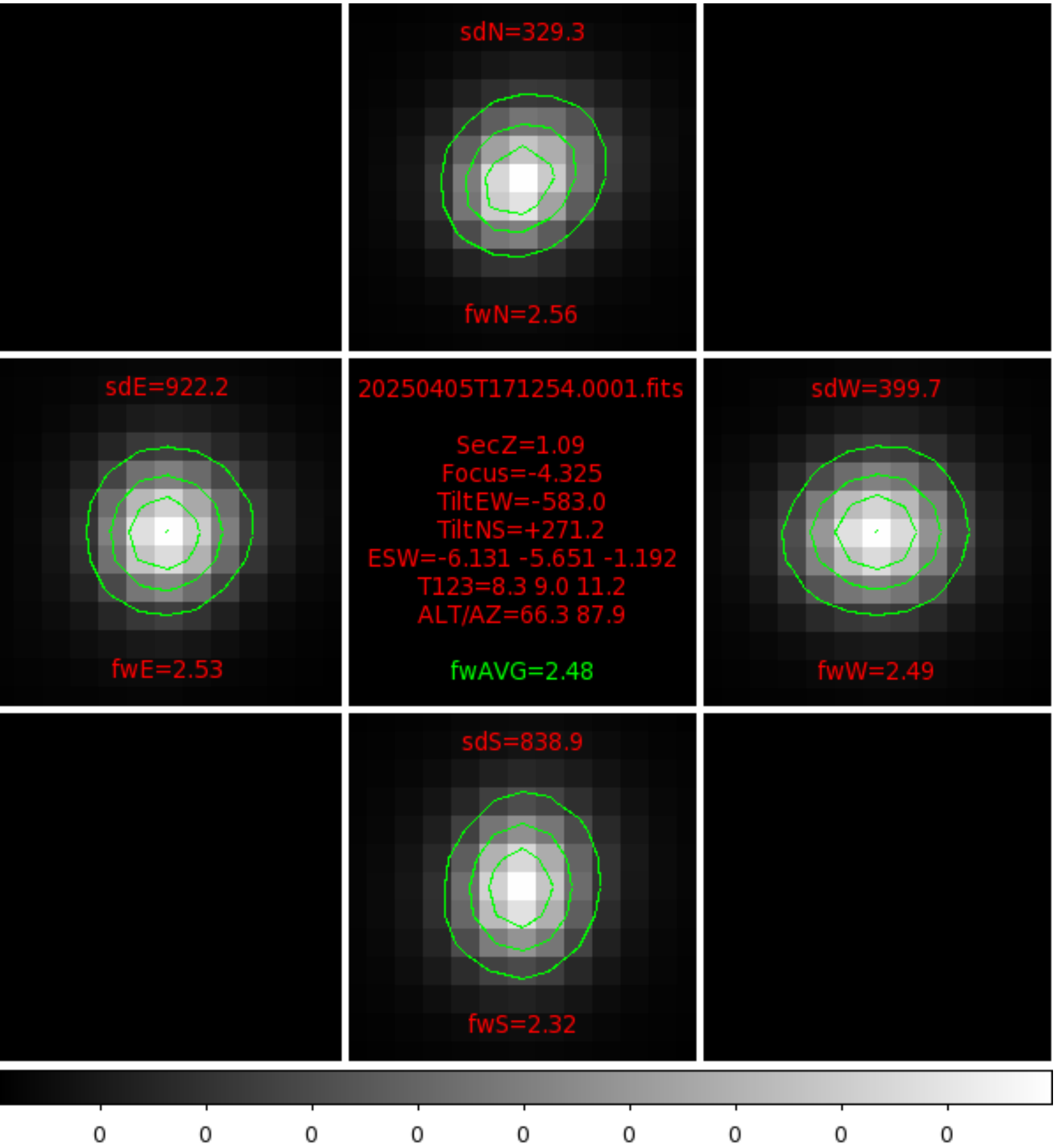
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.131 -5.651 -1.192
T123=8.3 9.0 11.2
ALT/AZ=66.3 87.9
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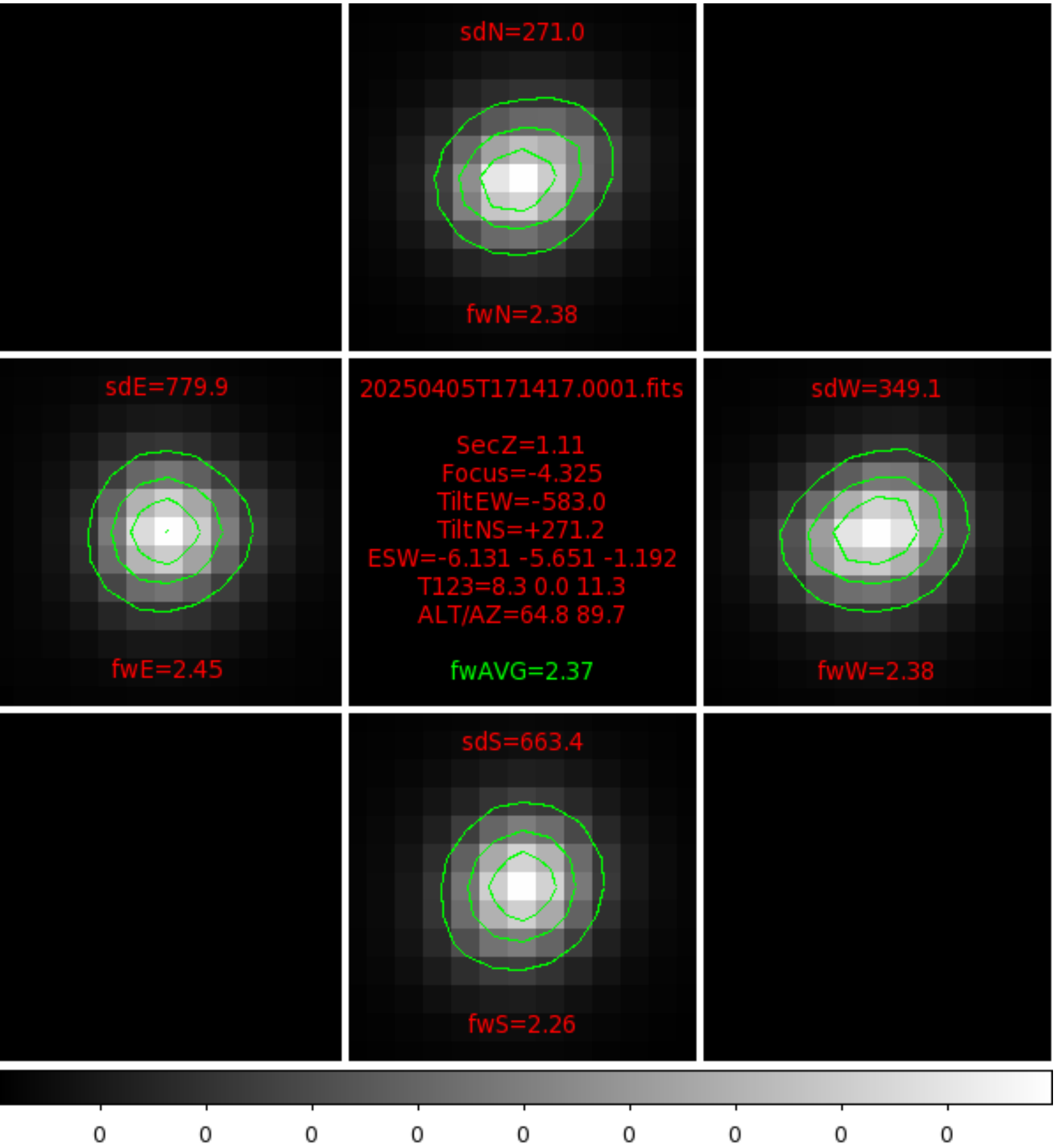
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.131 -5.651 -1.192
T123=8.3 0.0 11.3
ALT/AZ=64.8 89.7
fwAVG=2.37
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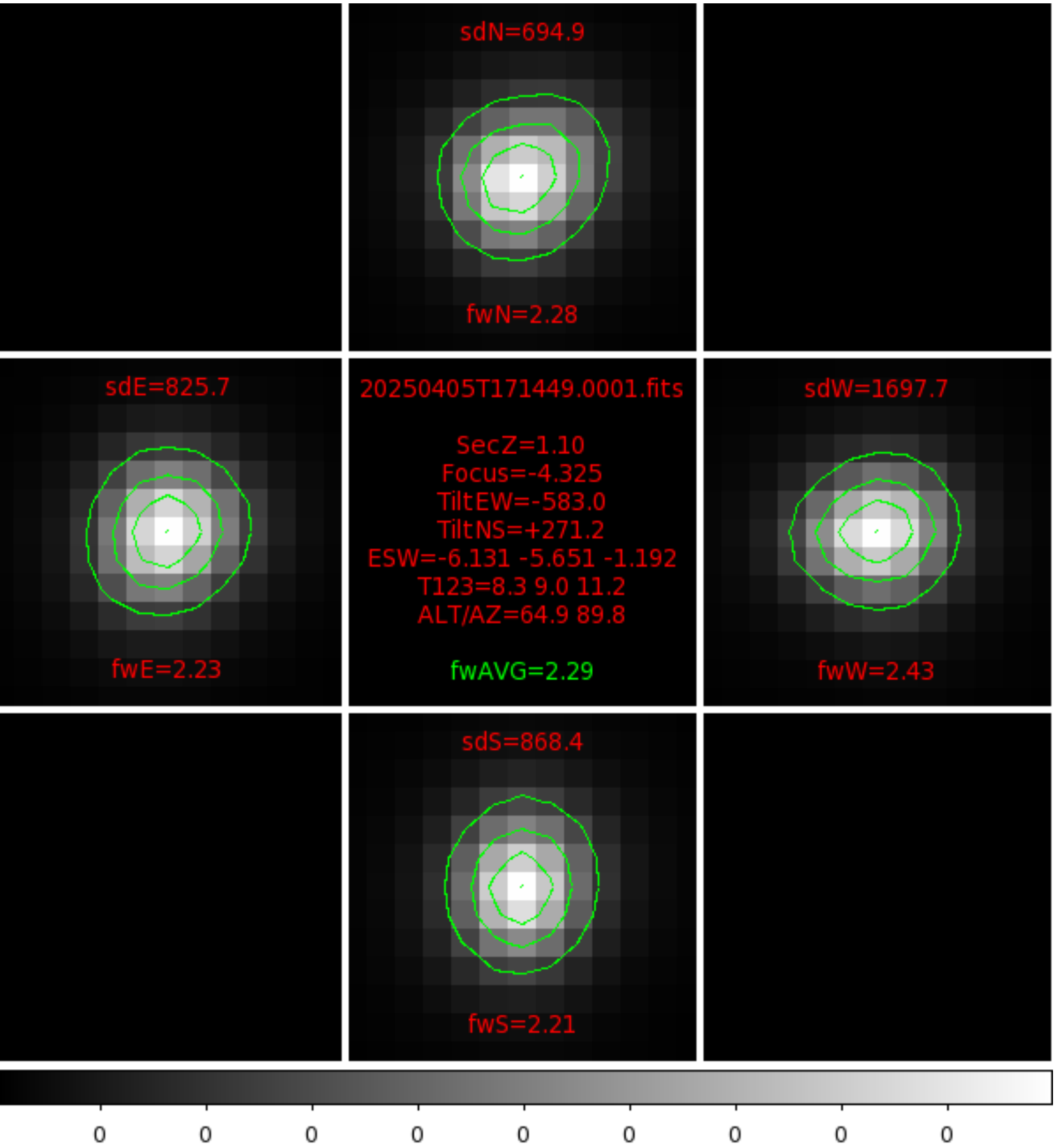
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SecZ=1.10
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TiltNS=+271.2
ESW=-6.131 -5.651 -1.192
T123=8.3 9.0 11.2
ALT/AZ=64.9 89.8
fwAVG=2.29
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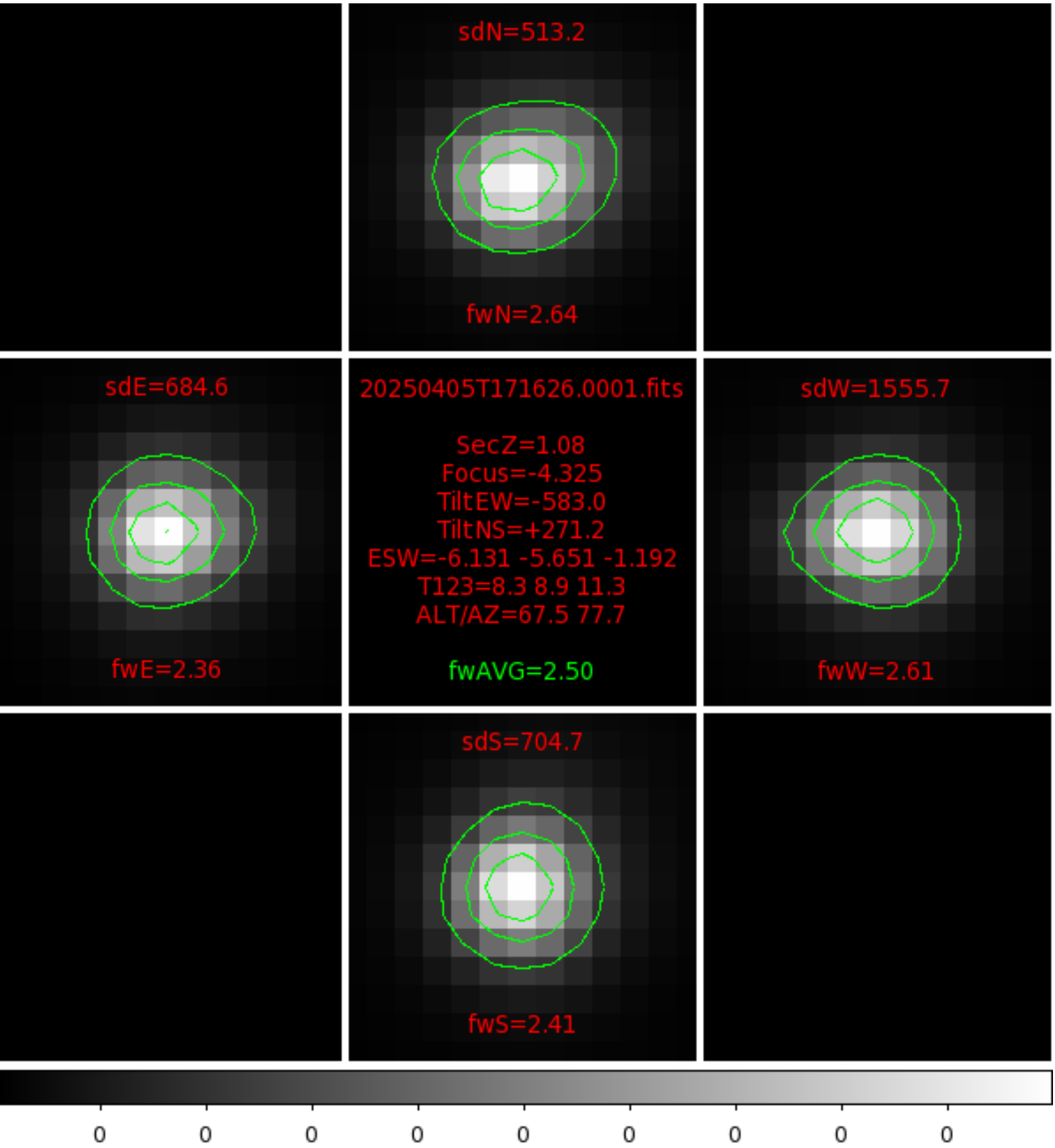
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TiltNS=+271.2
ESW=-6.131 -5.651 -1.192
T123=8.3 8.9 11.3
ALT/AZ=67.5 77.7
fwAVG=2.50
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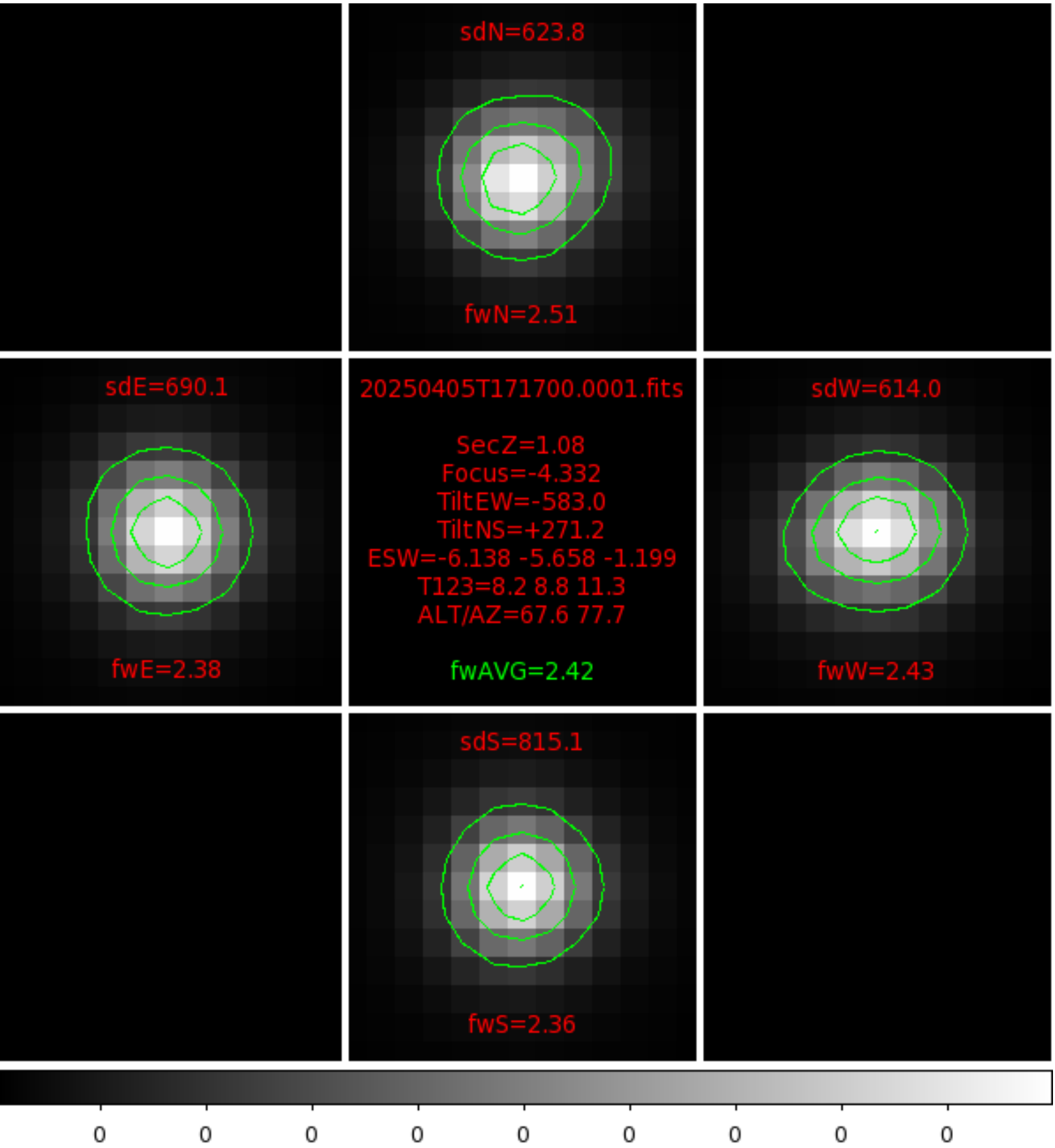
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SecZ=1.08
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TiltNS=+271.2
ESW=-6.138 -5.658 -1.199
T123=8.2 8.8 11.3
ALT/AZ=67.6 77.7
fwAVG=2.42
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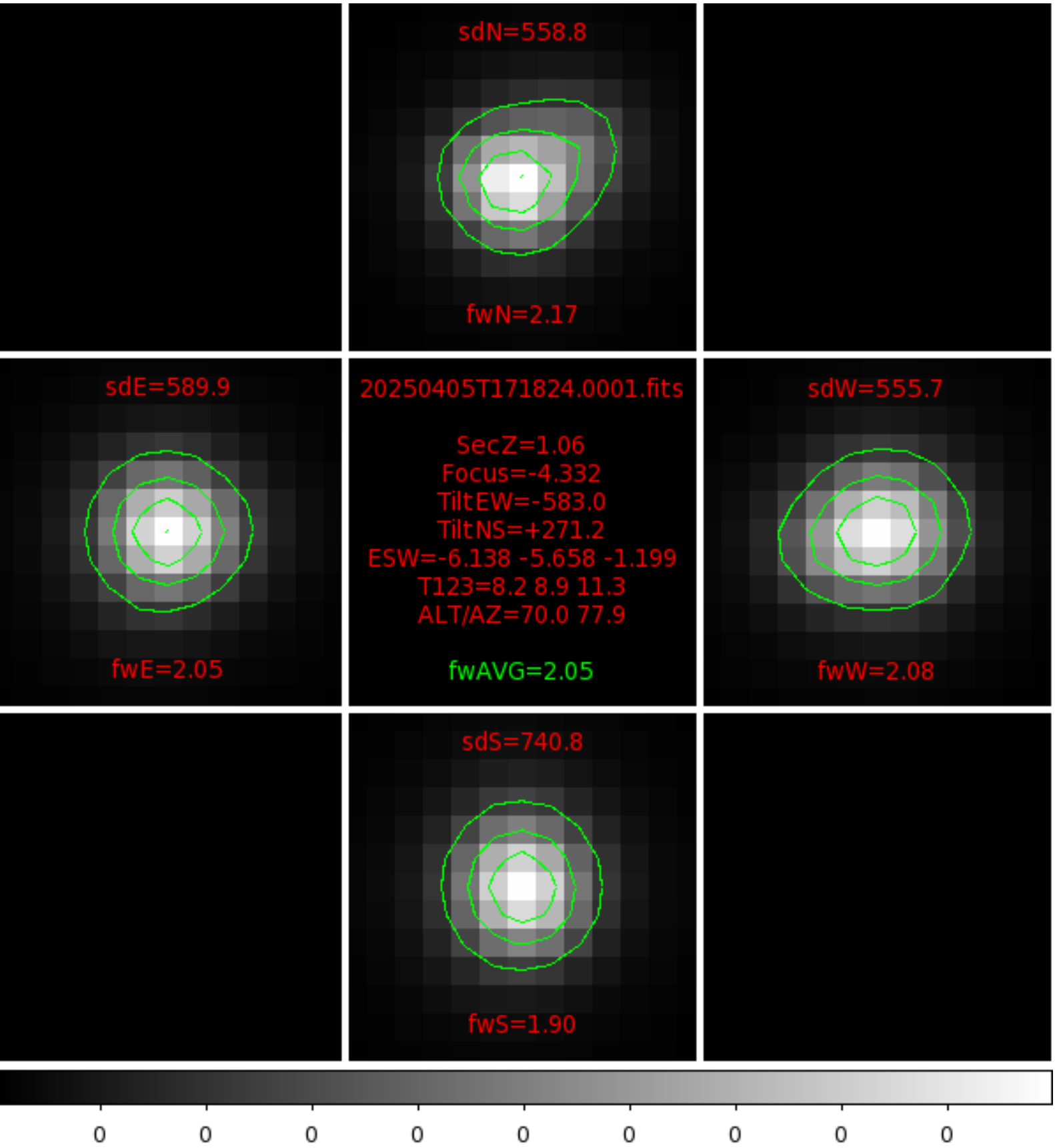
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SecZ=1.06
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ESW=-6.138 -5.658 -1.199
T123=8.2 8.9 11.3
ALT/AZ=70.0 77.9
fwAVG=2.05
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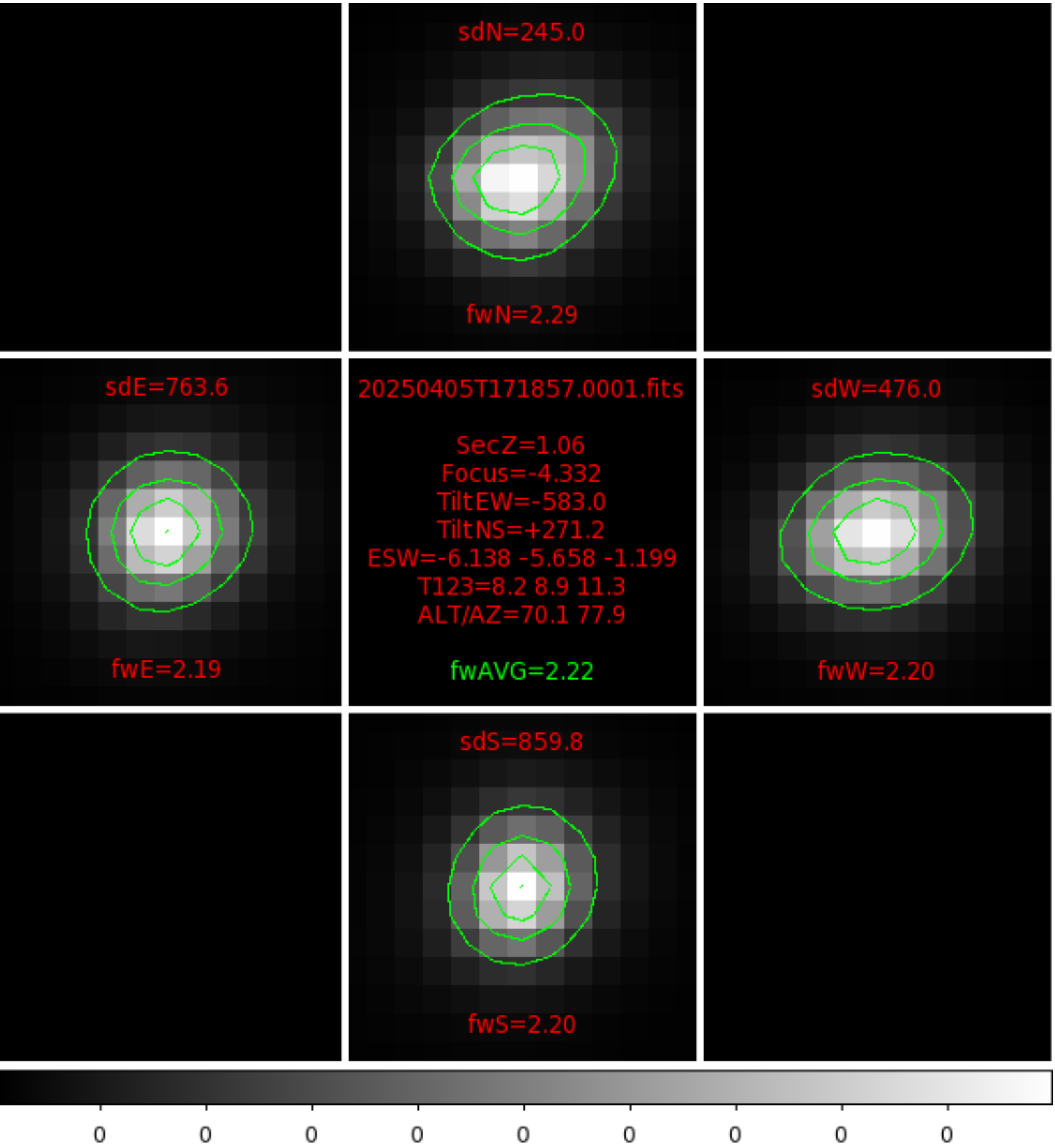
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ESW=-6.138 -5.658 -1.199
T123=8.2 8.9 11.3
ALT/AZ=70.1 77.9
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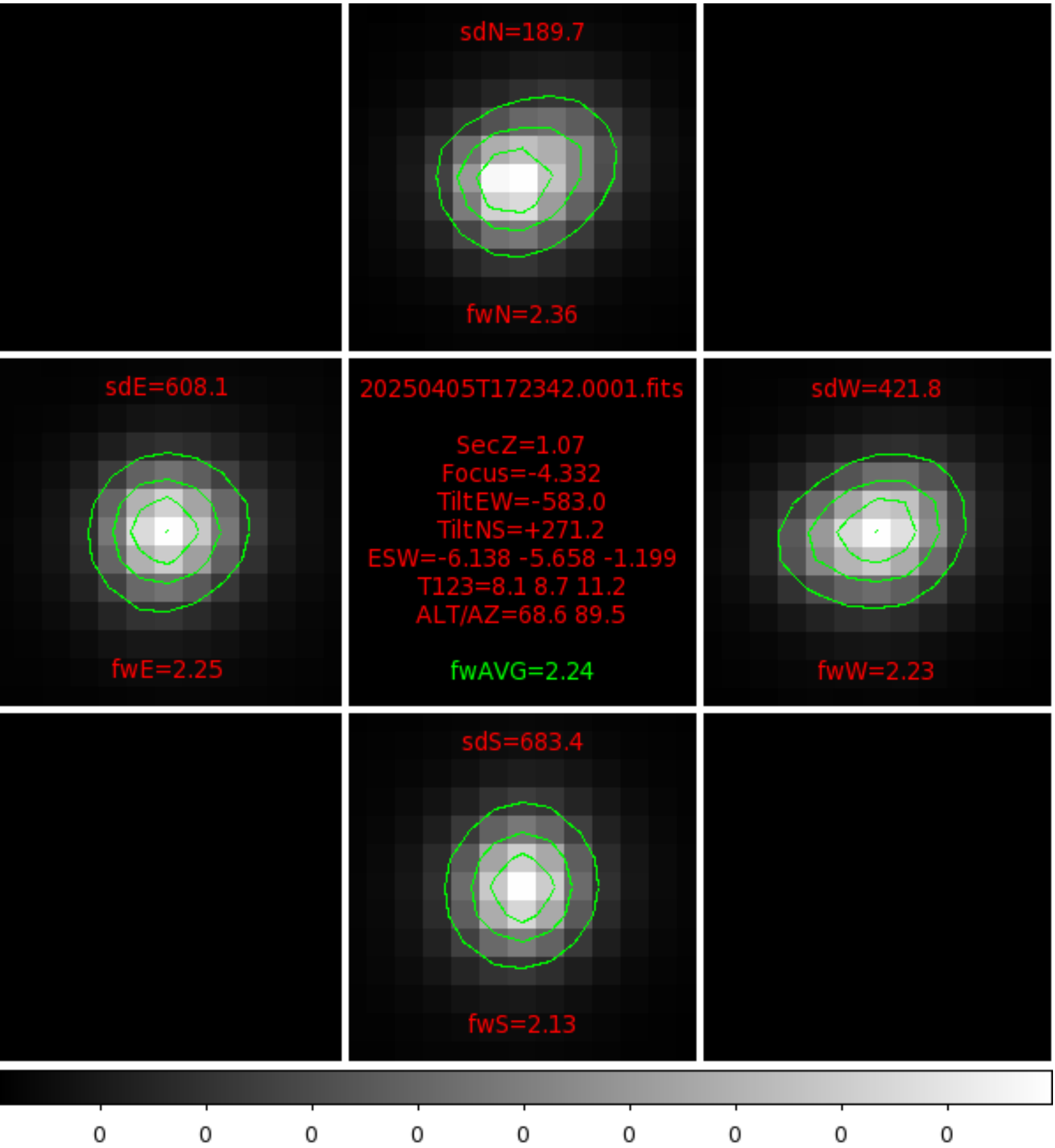
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SecZ=1.07
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TiltNS=+271.2
ESW=-6.138 -5.658 -1.199
T123=8.1 8.7 11.2
ALT/AZ=68.6 89.5
fwAVG=2.24
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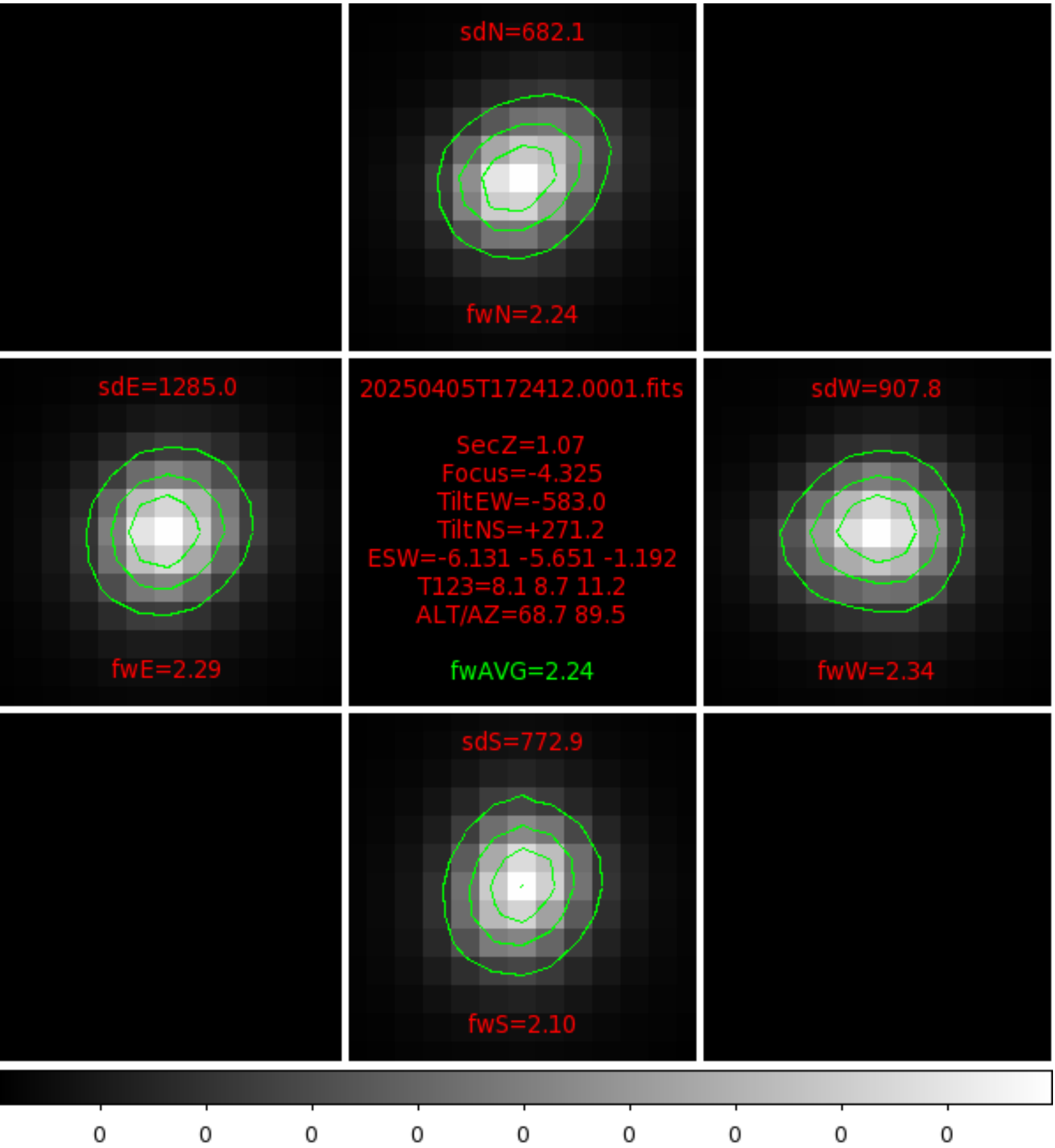
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TiltNS=+271.2
ESW=-6.131 -5.651 -1.192
T123=8.1 8.7 11.2
ALT/AZ=68.7 89.5
fwAVG=2.24
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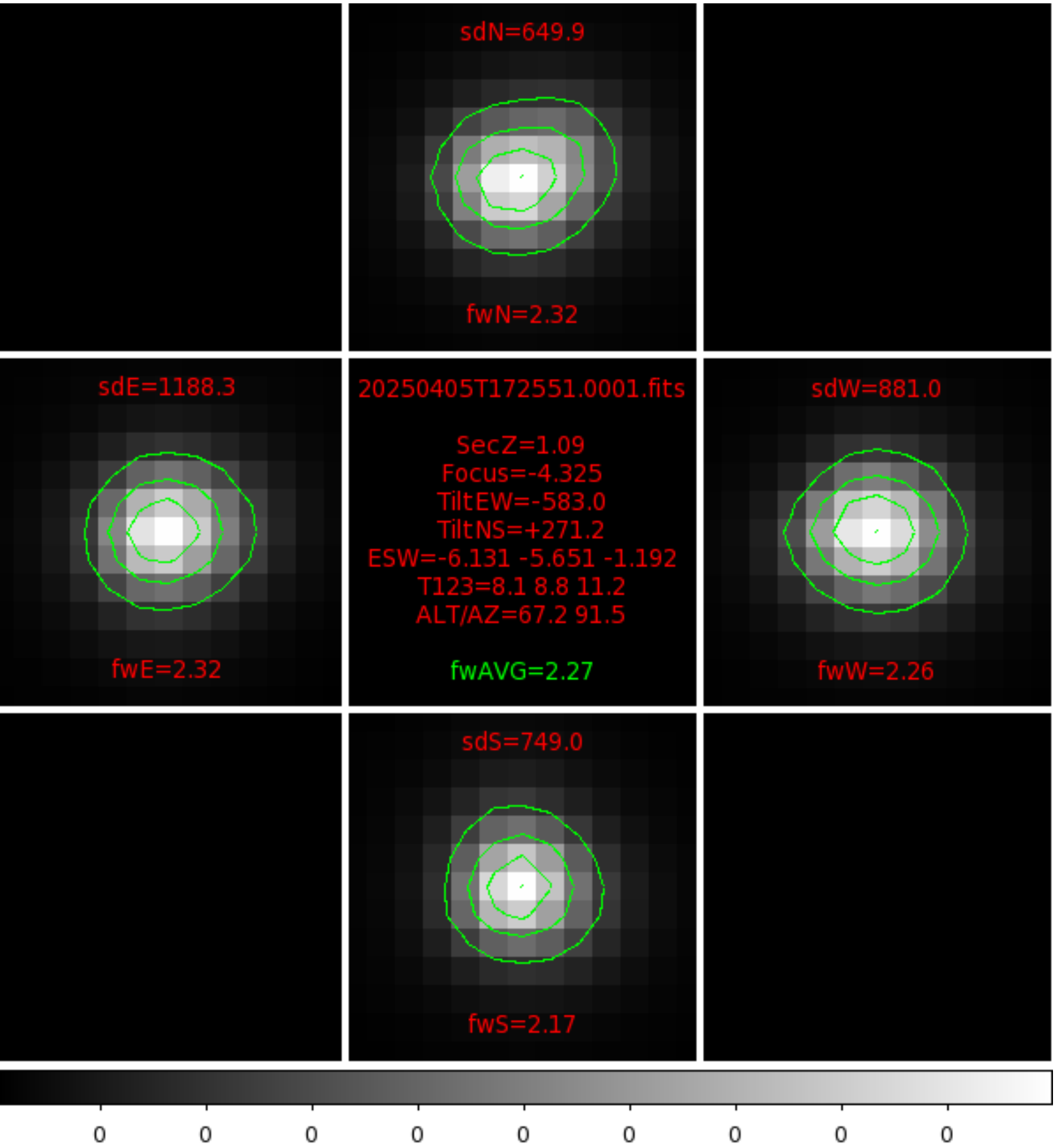
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SecZ=1.09
Focus=-4.325
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.131 -5.651 -1.192
T123=8.1 8.8 11.2
ALT/AZ=67.2 91.5
fwAVG=2.27
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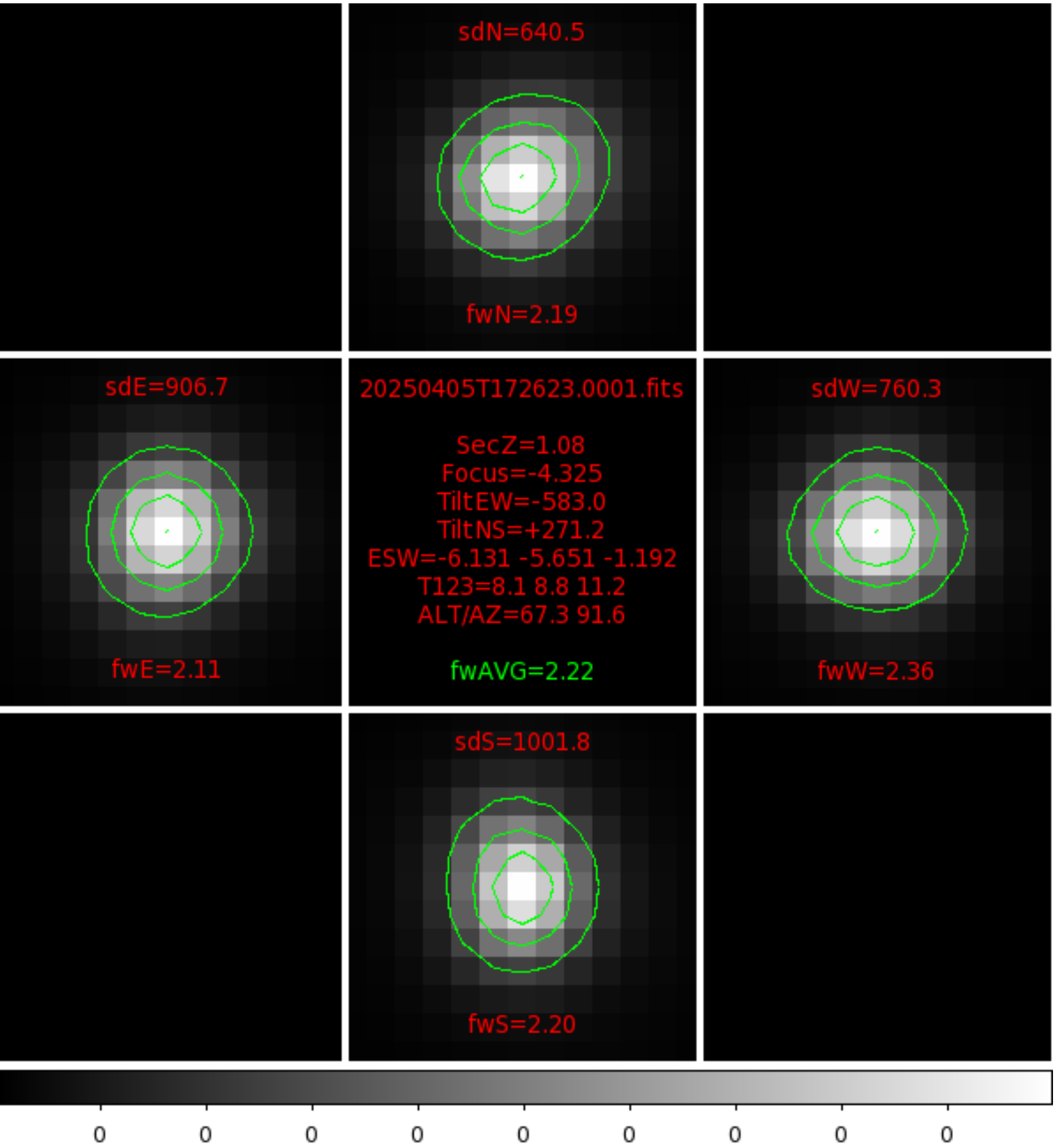
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Focus=-4.325
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.131 -5.651 -1.192
T123=8.1 8.8 11.2
ALT/AZ=67.3 91.6
fwAVG=2.22
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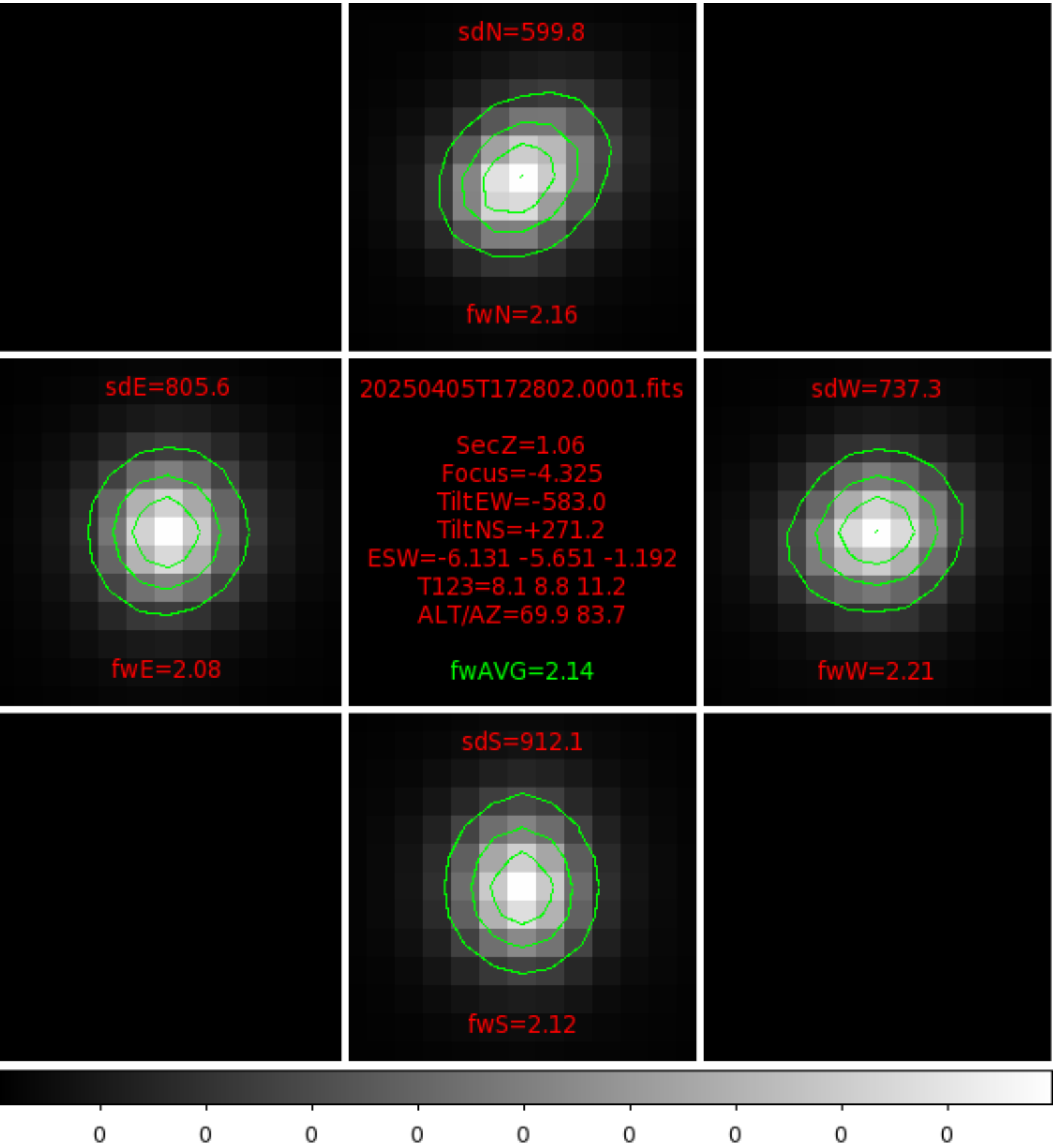
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SecZ=1.06
Focus=-4.325
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.131 -5.651 -1.192
T123=8.1 8.8 11.2
ALT/AZ=69.9 83.7
fwAVG=2.14
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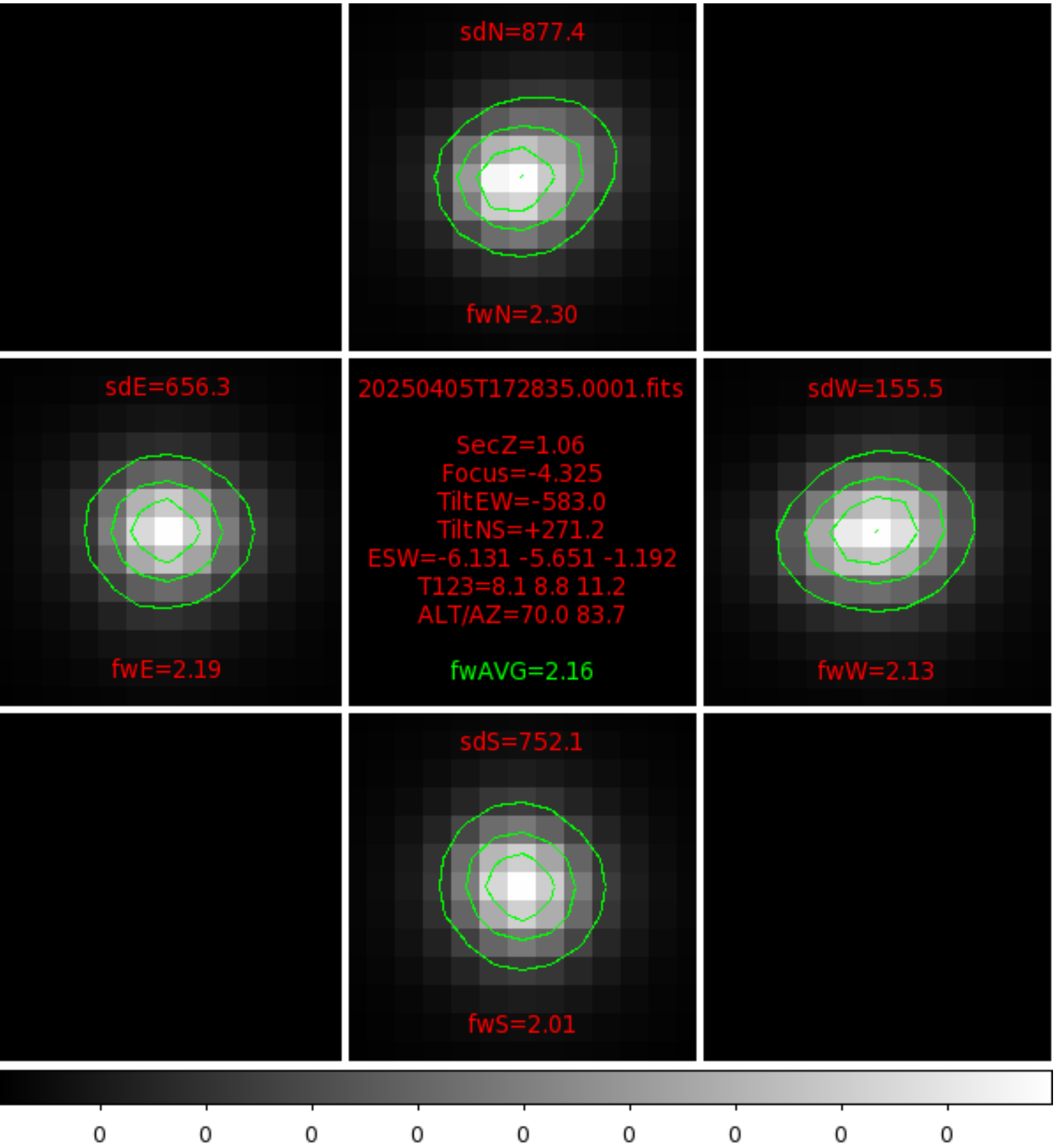
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SecZ=1.06
Focus=-4.325
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.131 -5.651 -1.192
T123=8.1 8.8 11.2
ALT/AZ=70.0 83.7
fwAVG=2.16
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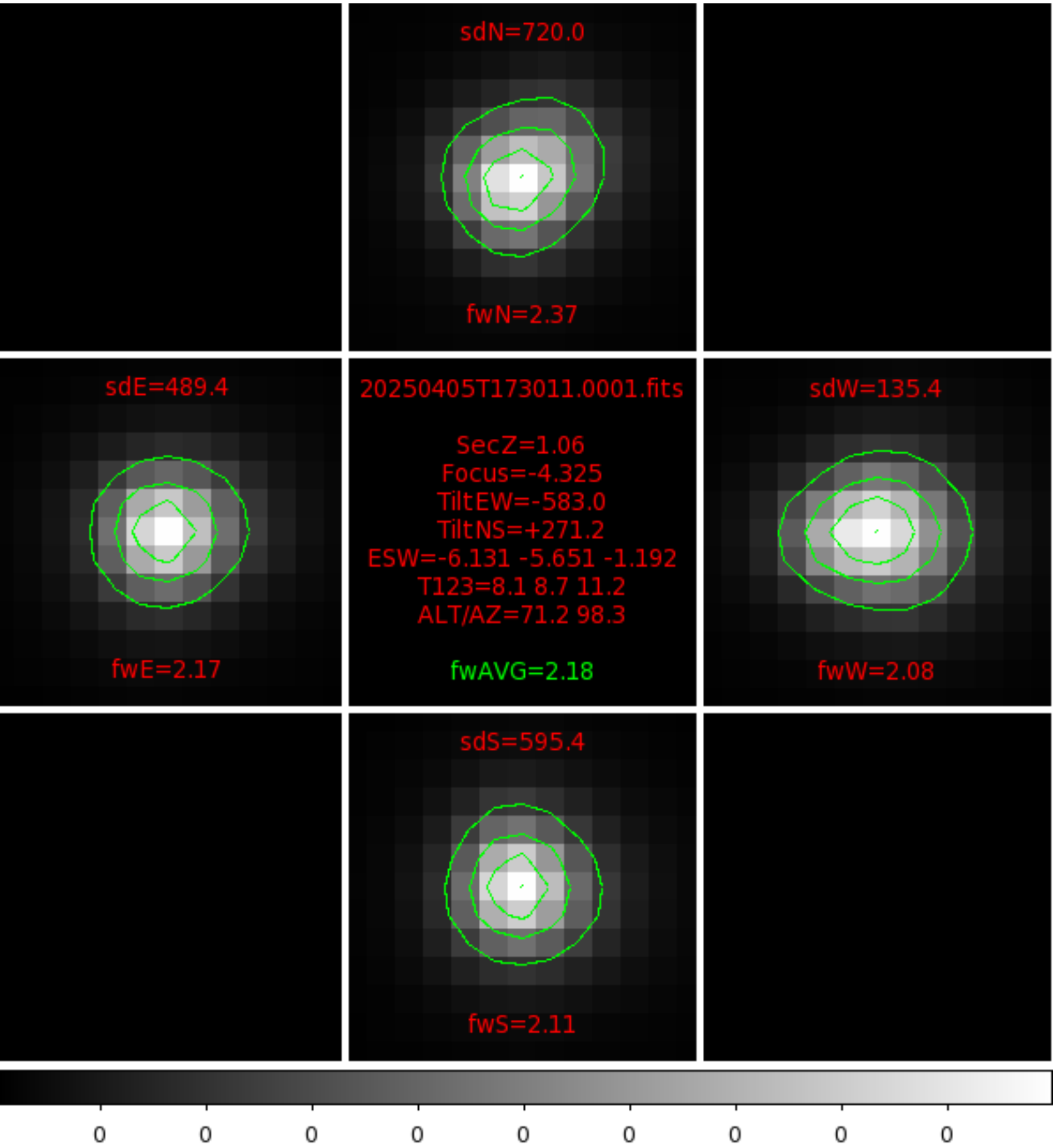
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SecZ=1.06
Focus=-4.325
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.131 -5.651 -1.192
T123=8.1 8.7 11.2
ALT/AZ=71.2 98.3
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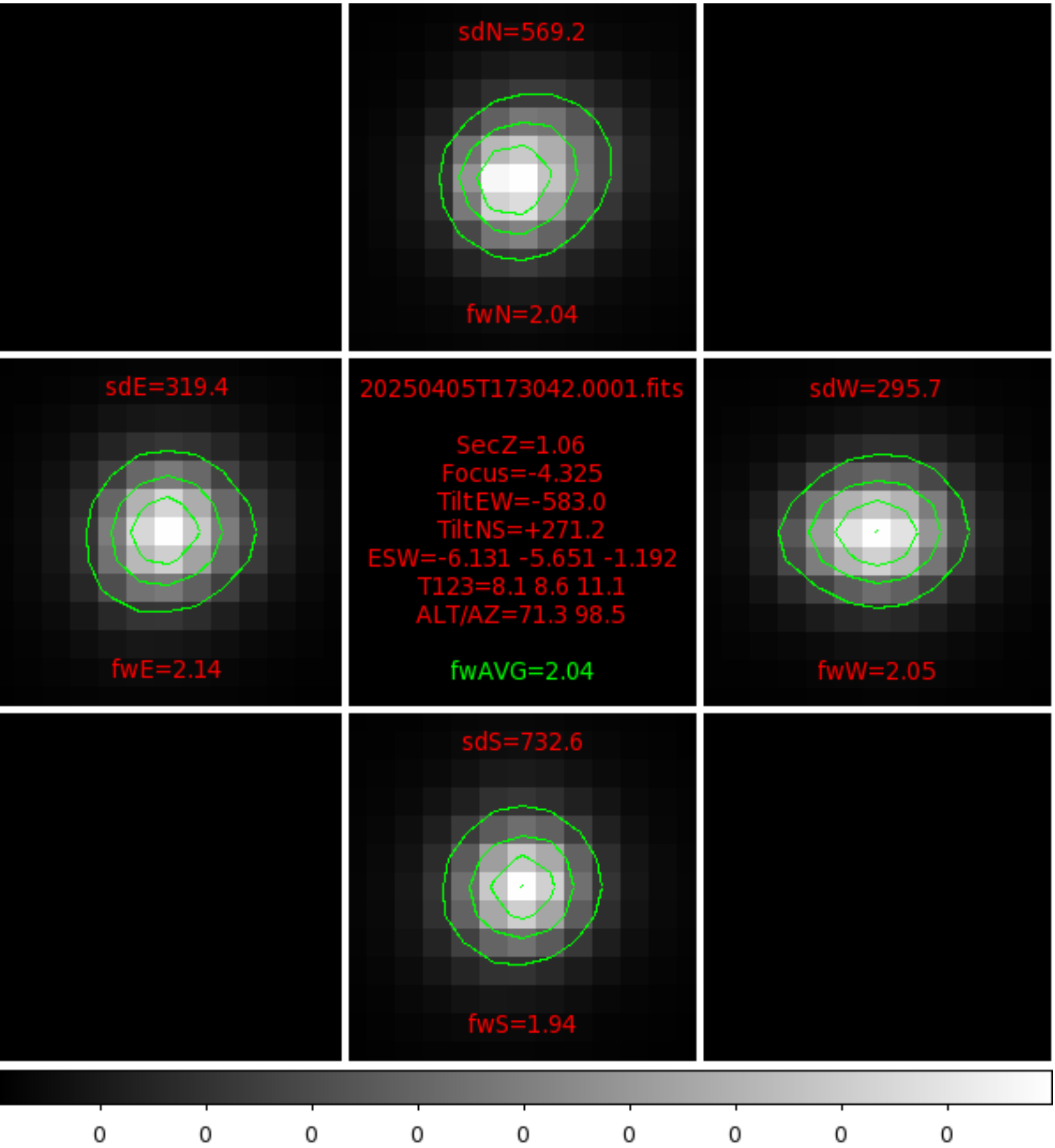
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SecZ=1.06
Focus=-4.325
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.131 -5.651 -1.192
T123=8.1 8.6 11.1
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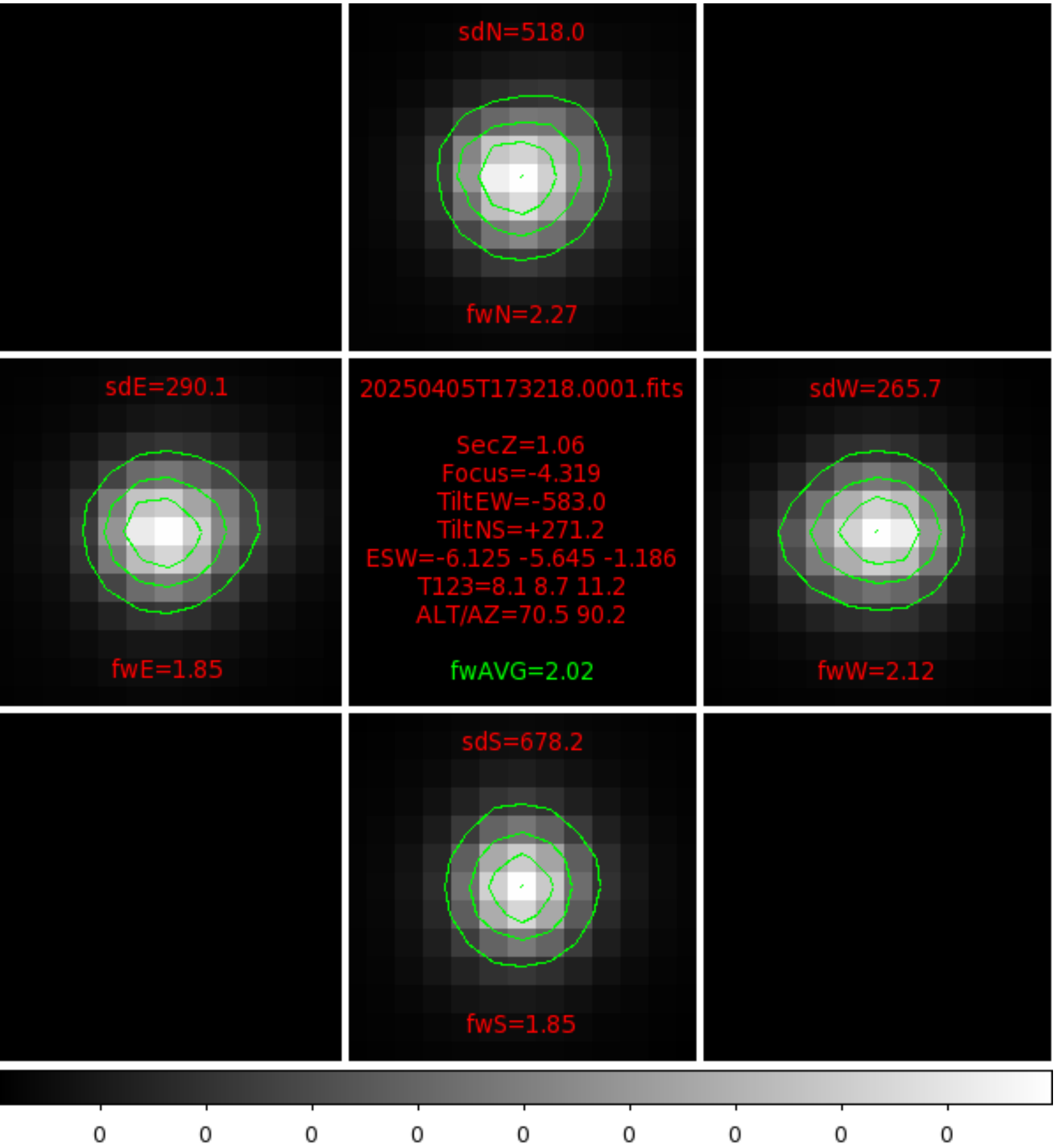
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fwE=1.85
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.1 8.7 11.2
ALT/AZ=70.5 90.2
fwAVG=2.02
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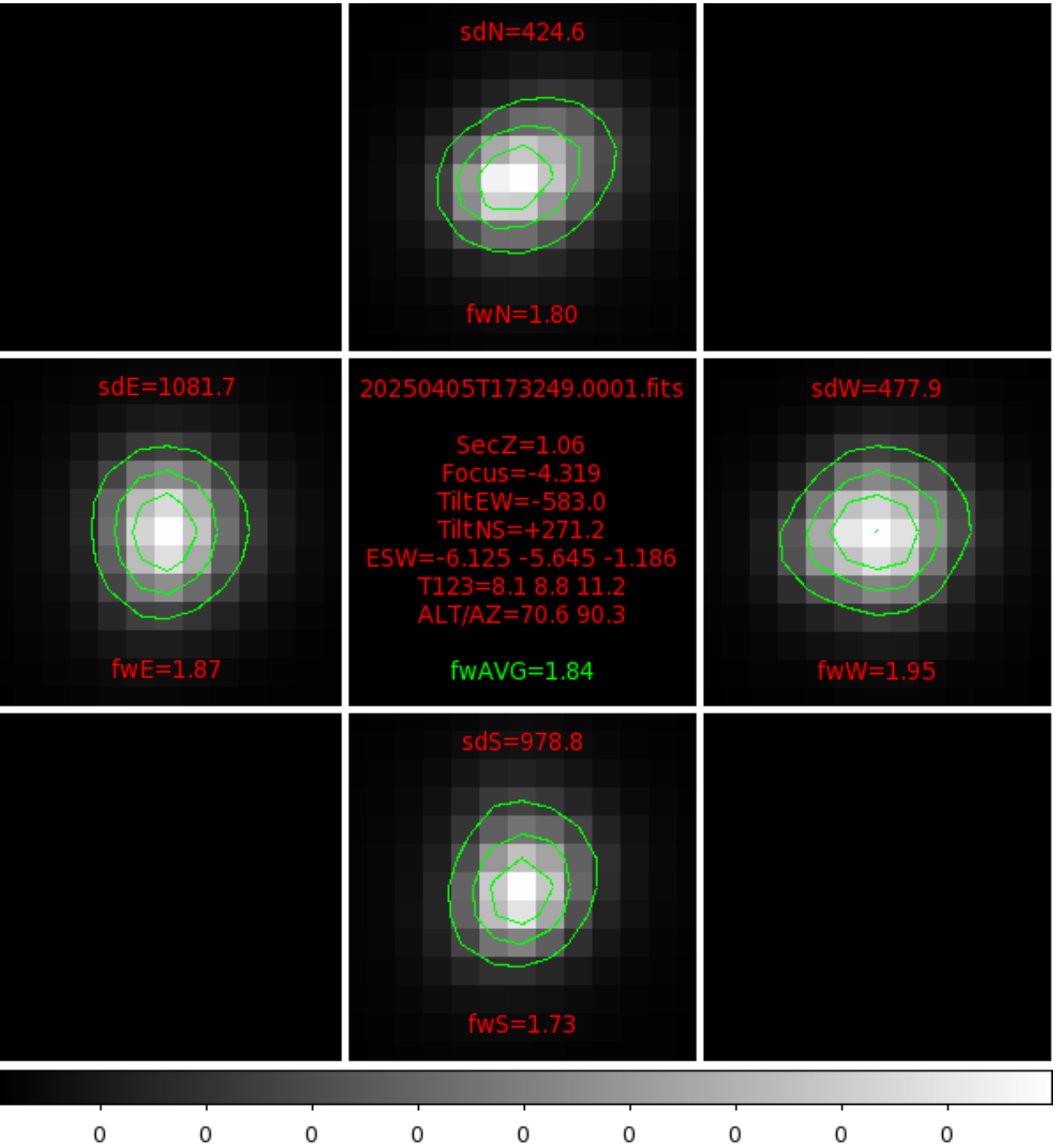
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Focus=-4.319
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.1 8.8 11.2
ALT/AZ=70.6 90.3
fwAVG=1.84
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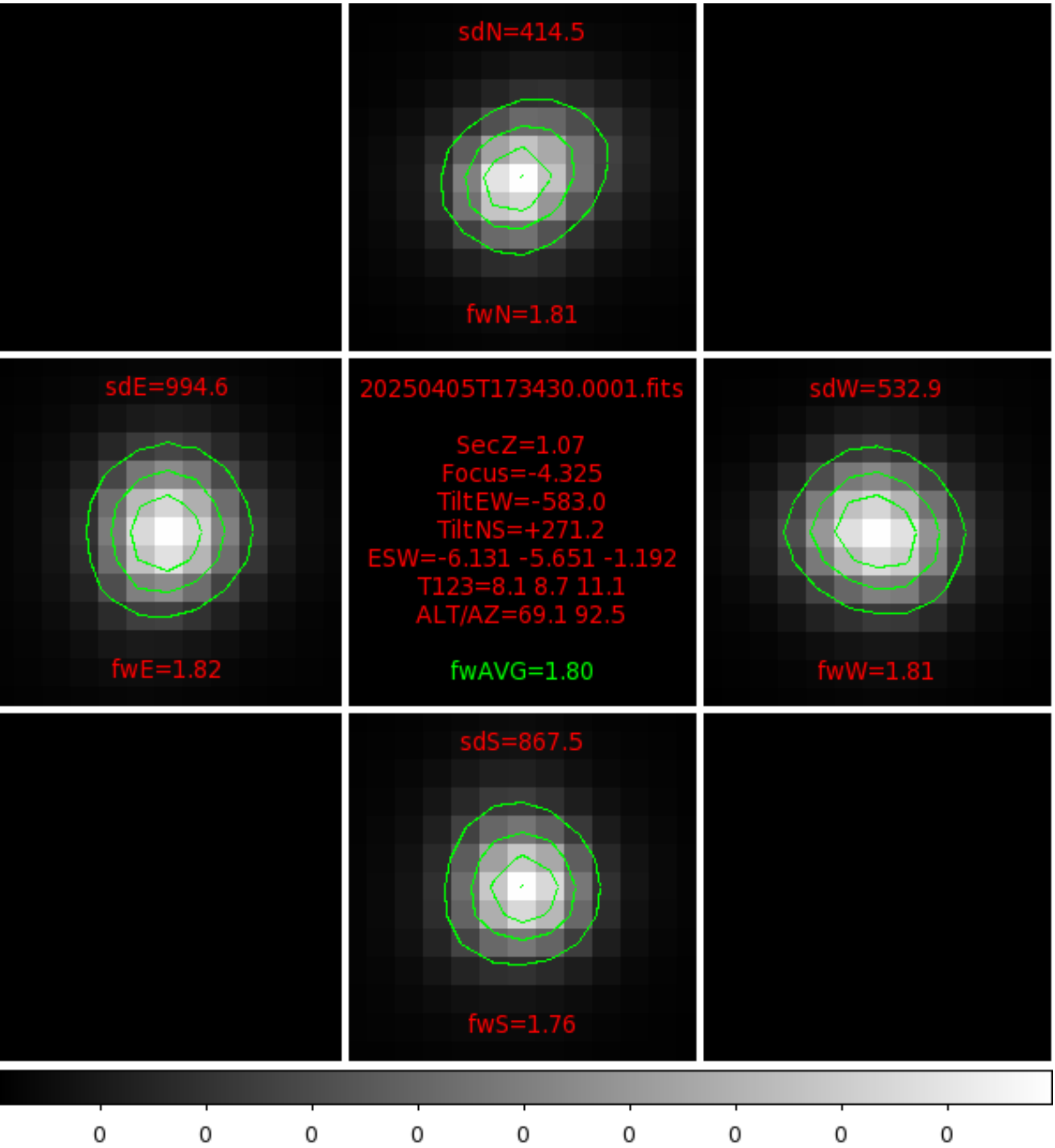
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Focus=-4.325
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.131 -5.651 -1.192
T123=8.1 8.7 11.1
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fwAVG=1.80
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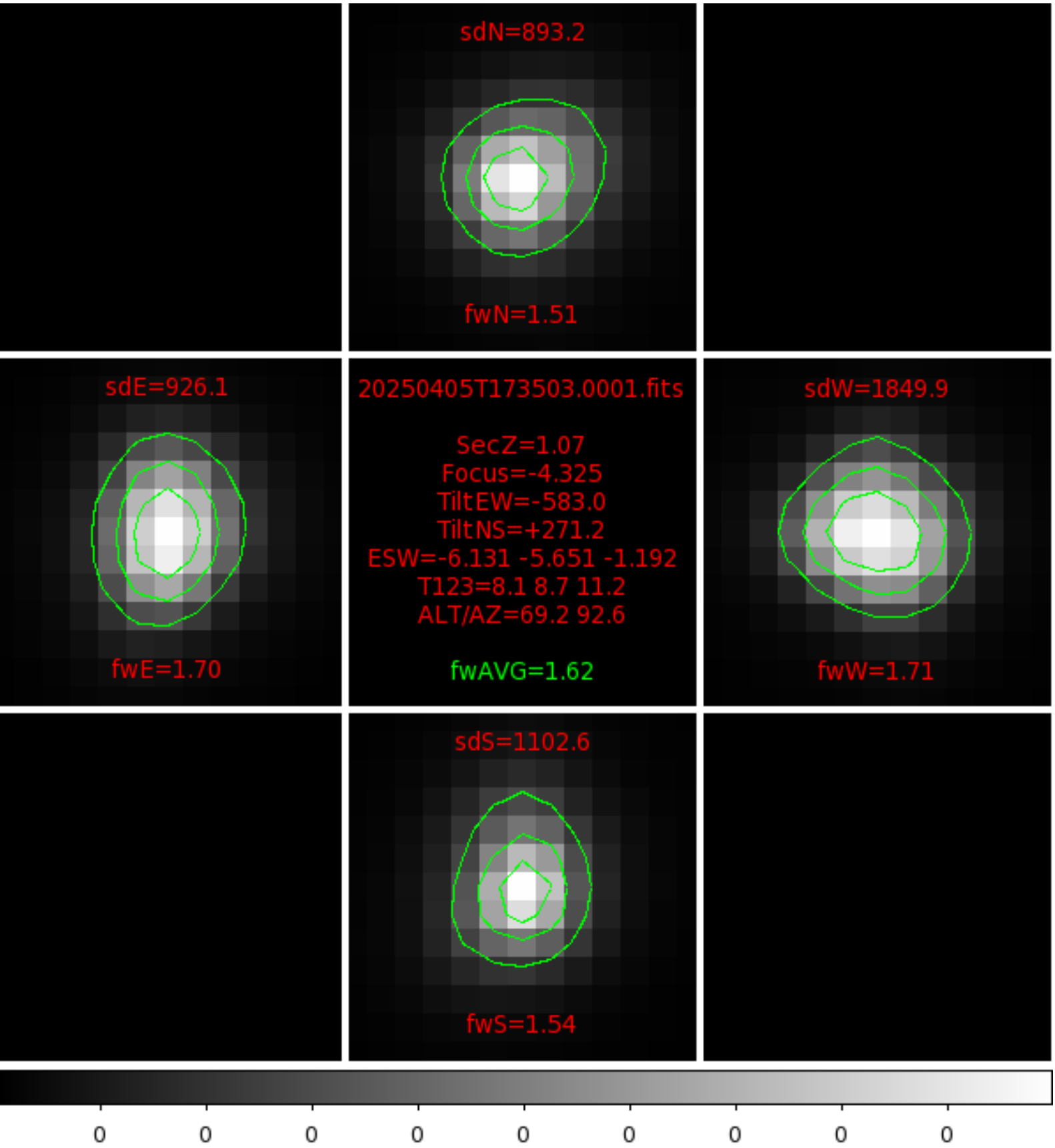
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SecZ=1.07
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.131 -5.651 -1.192
T123=8.1 8.7 11.2
ALT/AZ=69.2 92.6
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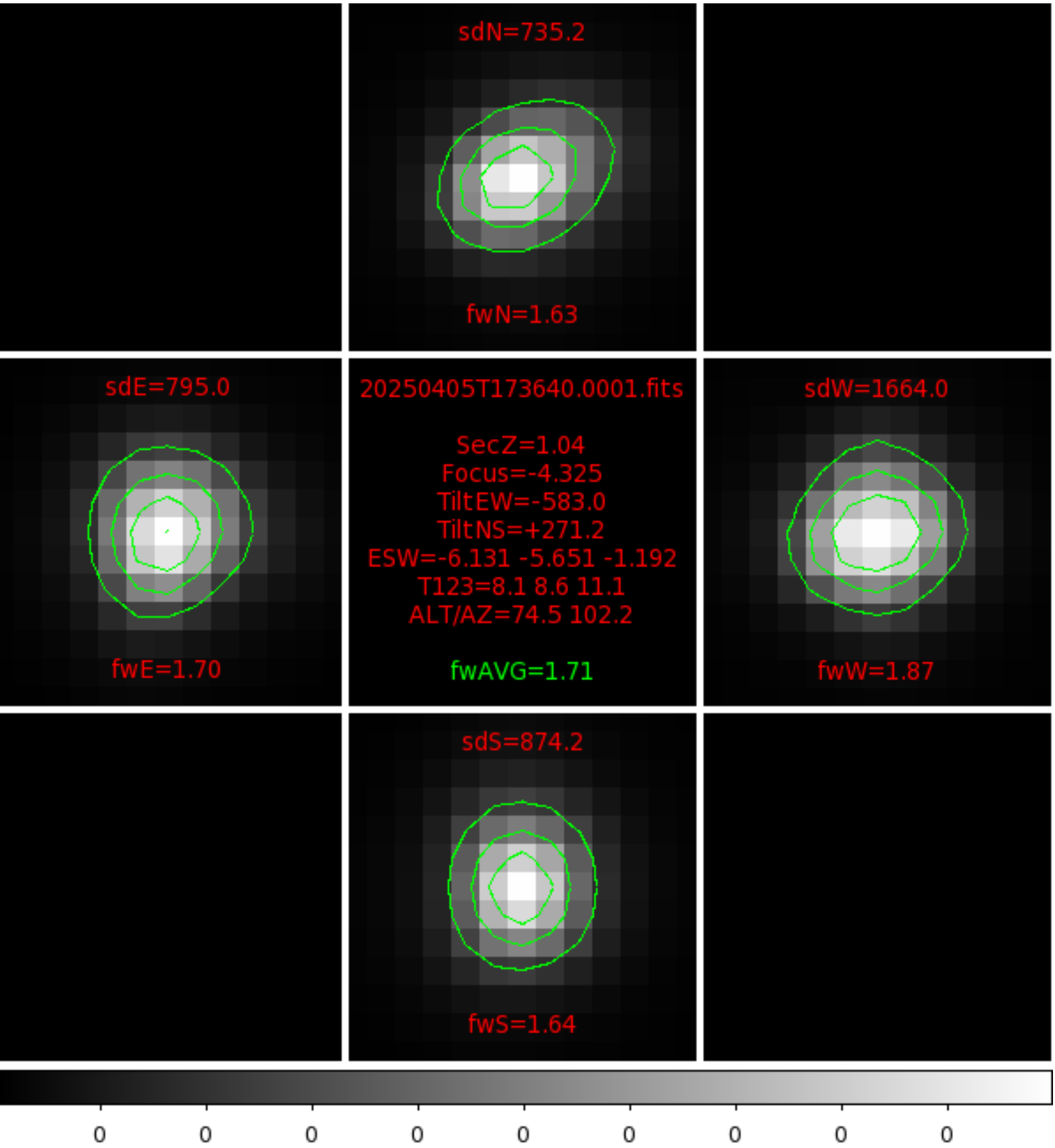
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SecZ=1.04
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.131 -5.651 -1.192
T123=8.1 8.6 11.1
ALT/AZ=74.5 102.2
fwAVG=1.71
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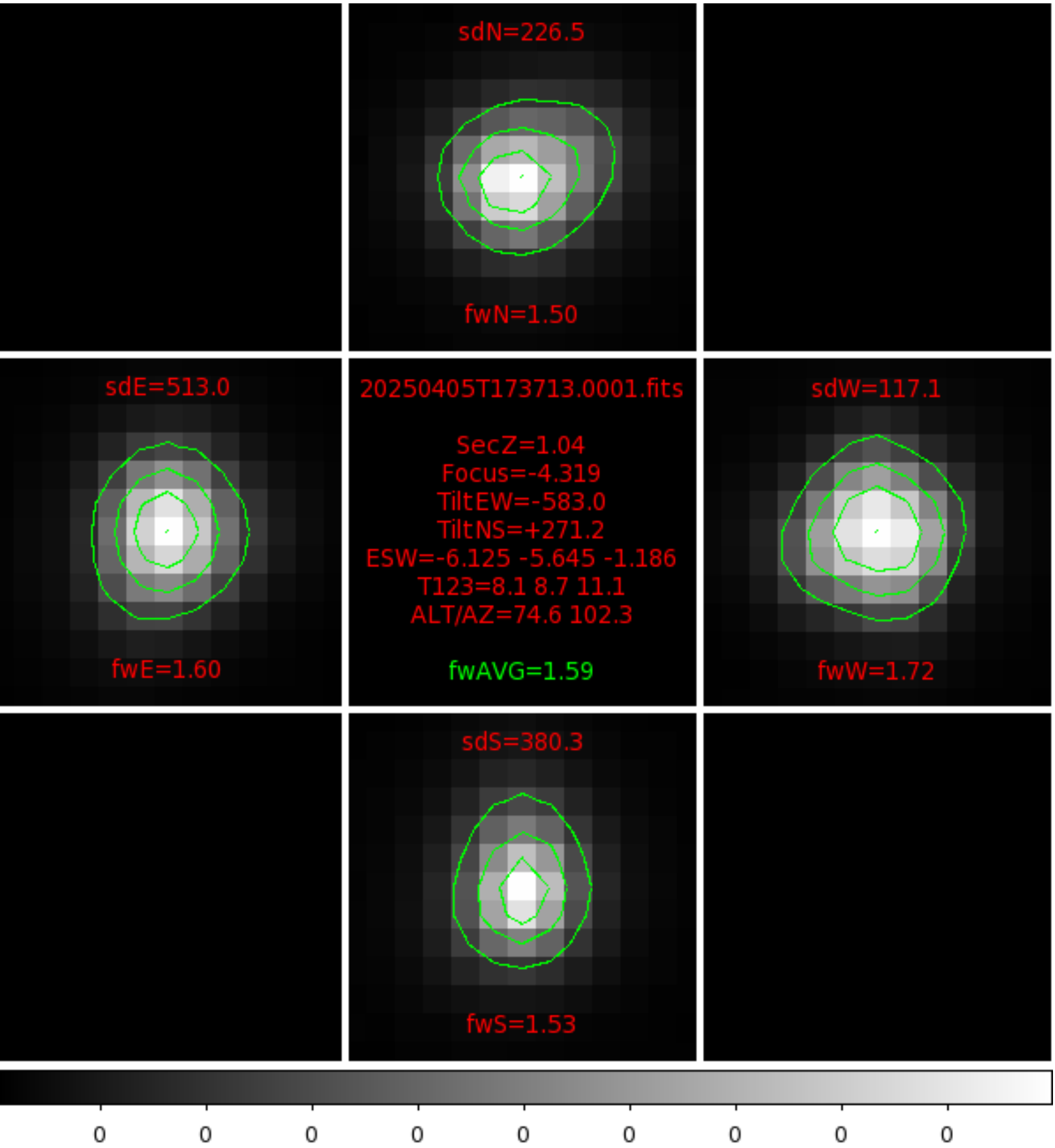
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TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.1 8.7 11.1
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fwAVG=1.59
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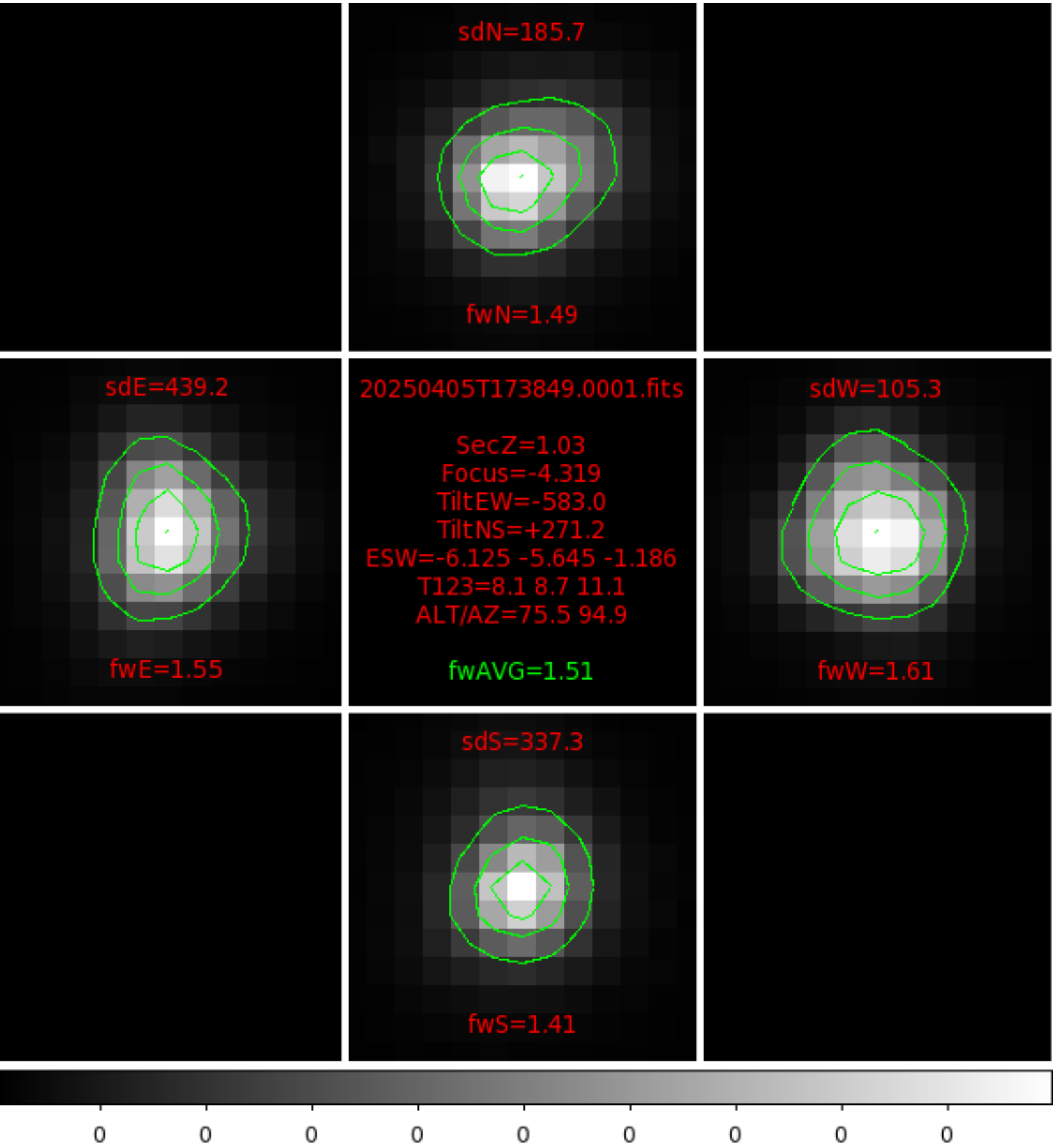
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TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.1 8.7 11.1
ALT/AZ=75.5 94.9
fwAVG=1.51
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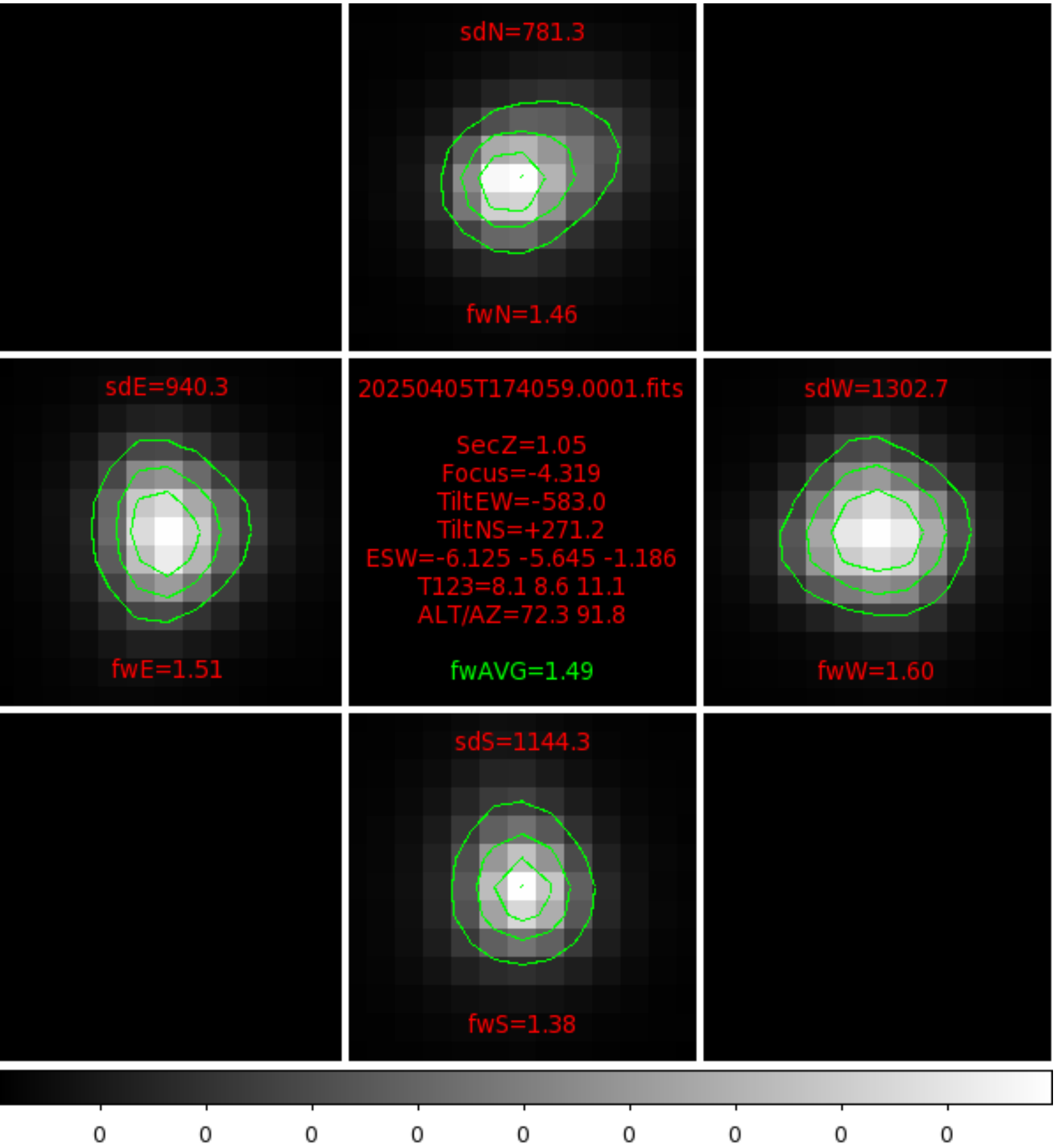
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.1 8.6 11.1
ALT/AZ=72.3 91.8
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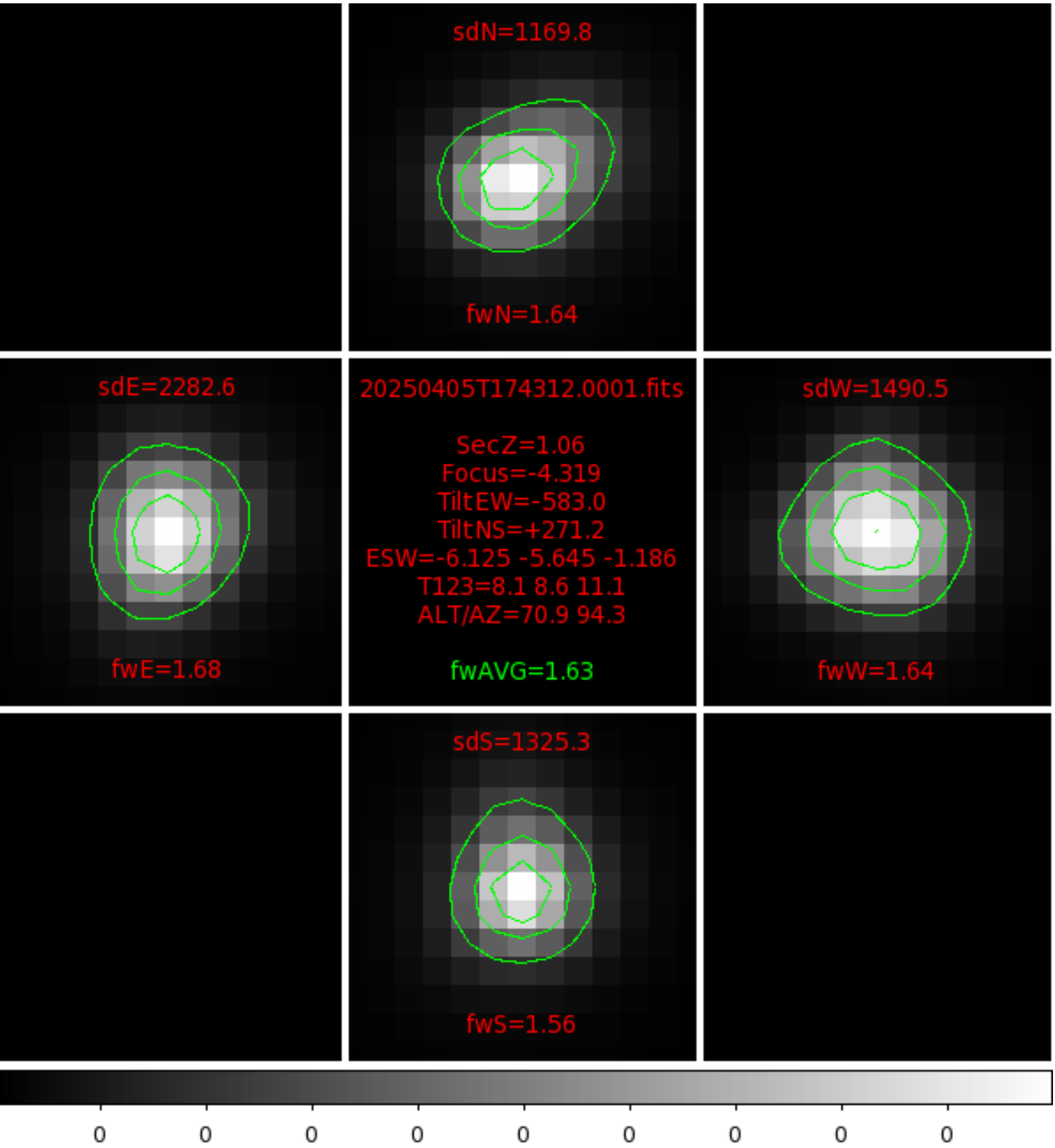
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sdE=2282.6
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TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.1 8.6 11.1
ALT/AZ=70.9 94.3
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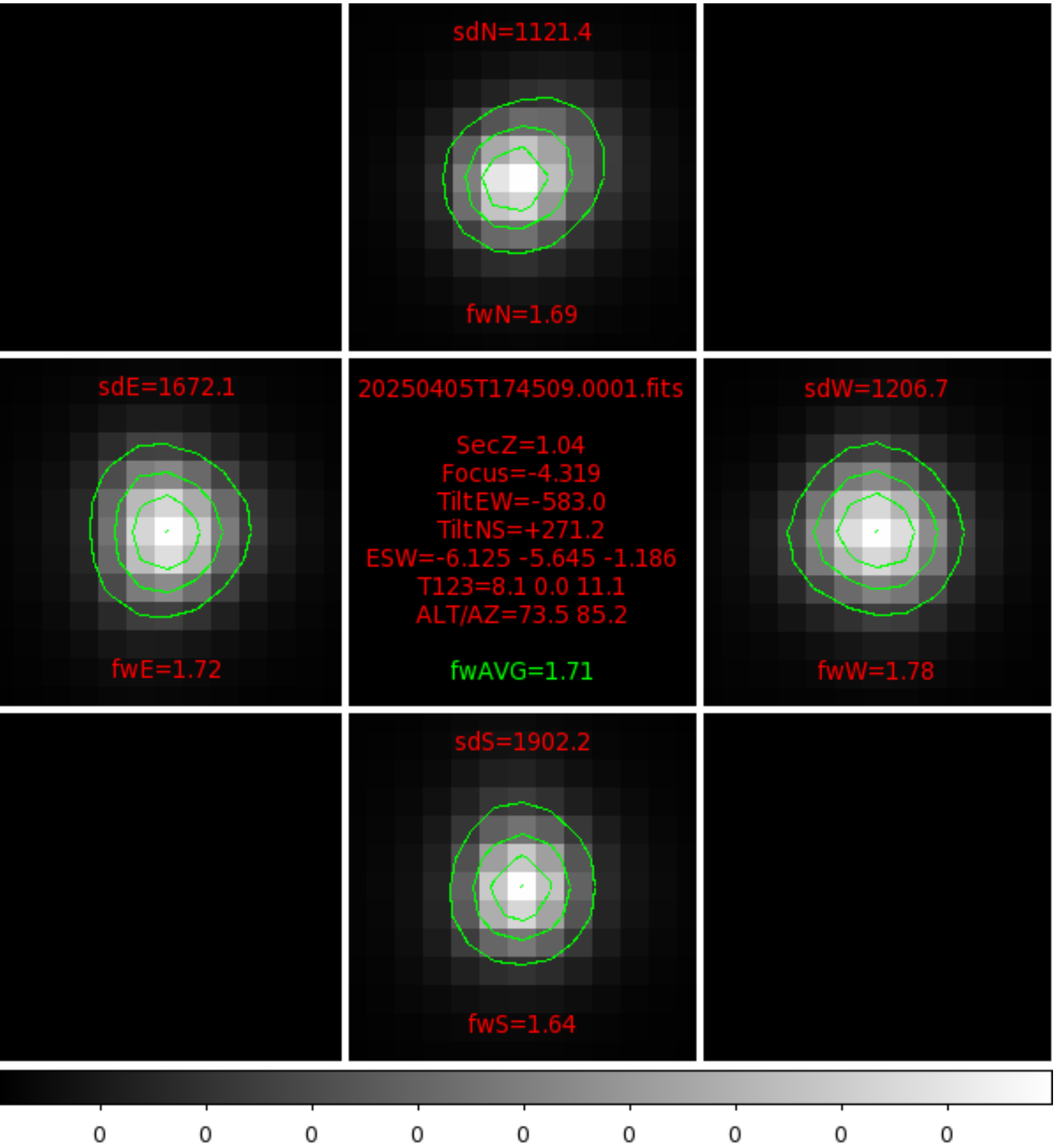
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SecZ=1.04
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TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.1 0.0 11.1
ALT/AZ=73.5 85.2
fwAVG=1.71
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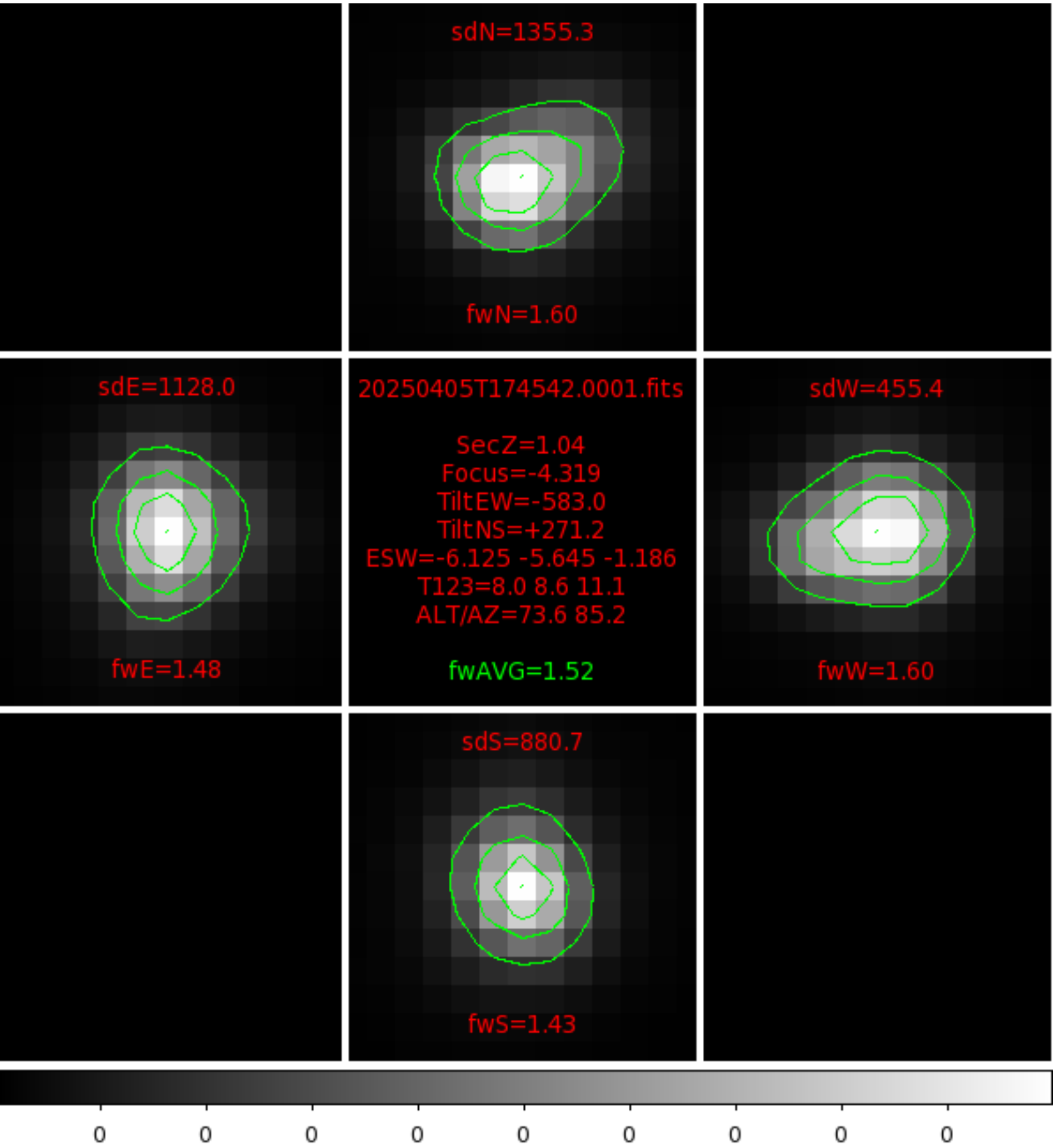
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TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.0 8.6 11.1
ALT/AZ=73.6 85.2
fwAVG=1.52
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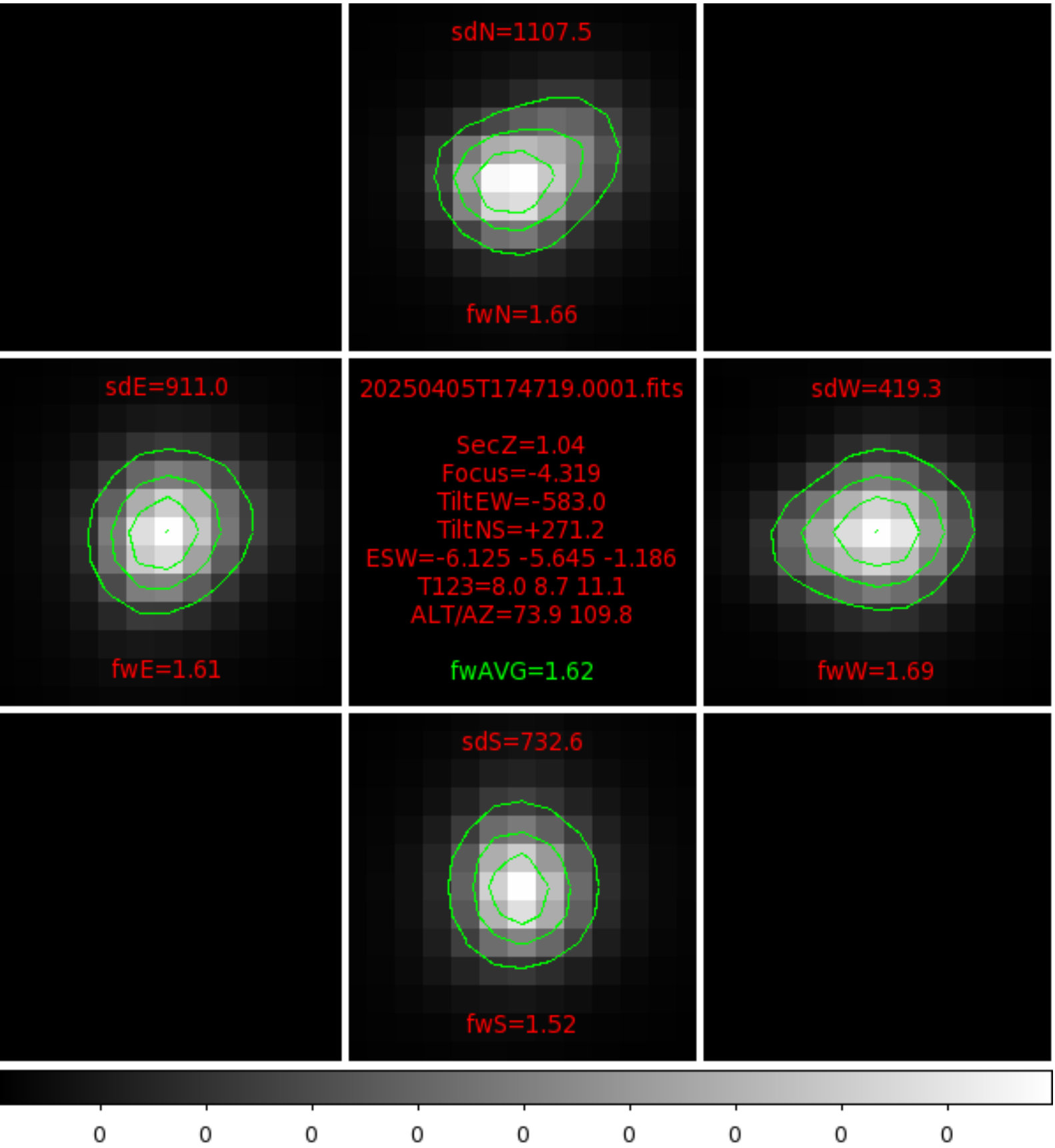
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SecZ=1.04
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.0 8.7 11.1
ALT/AZ=73.9 109.8
fwAVG=1.62
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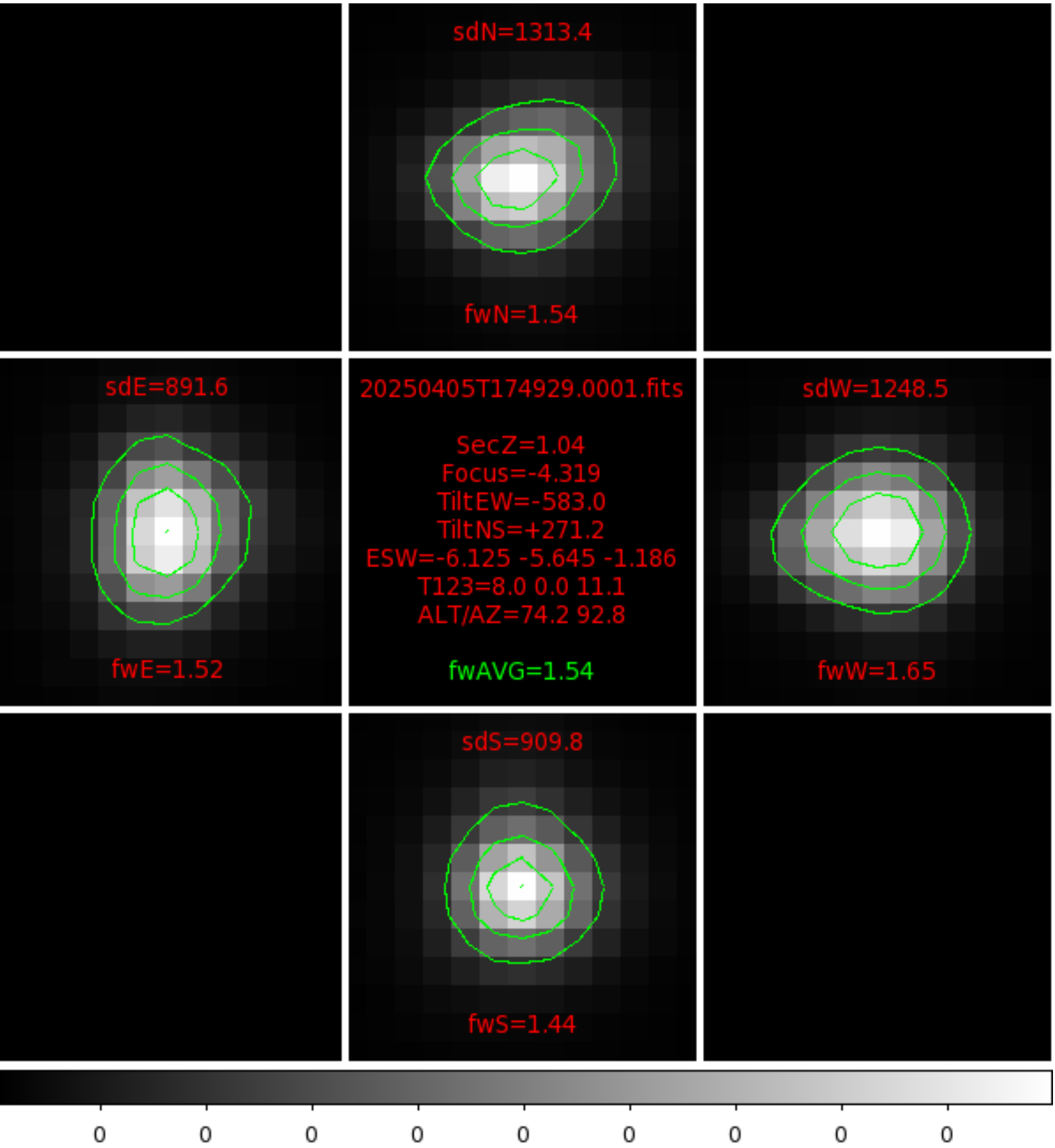
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SecZ=1.04
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.0 0.0 11.1
ALT/AZ=74.2 92.8
fwAVG=1.54
sdW=1248.5
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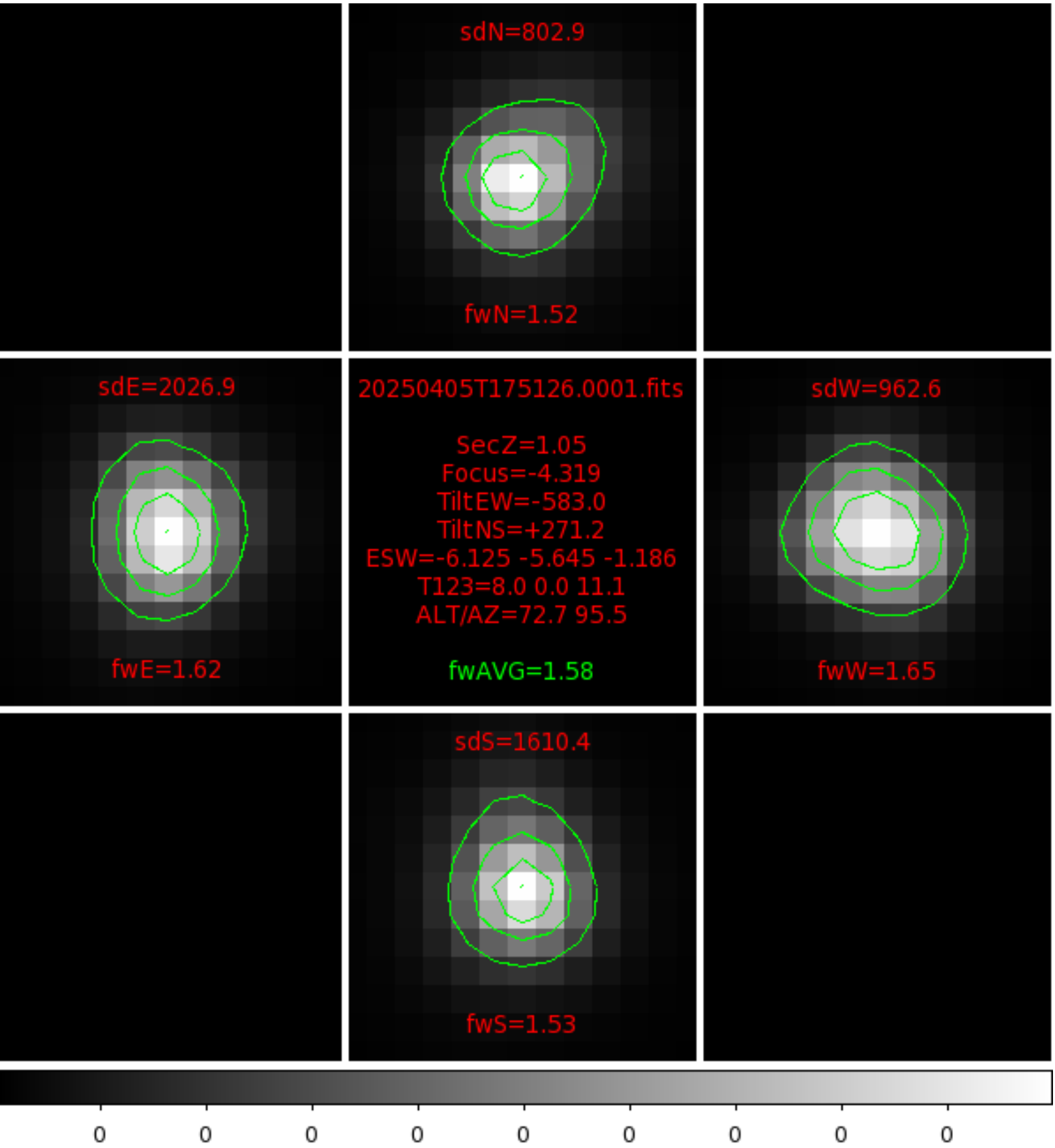
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TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.0 0.0 11.1
ALT/AZ=72.7 95.5
fwAVG=1.58
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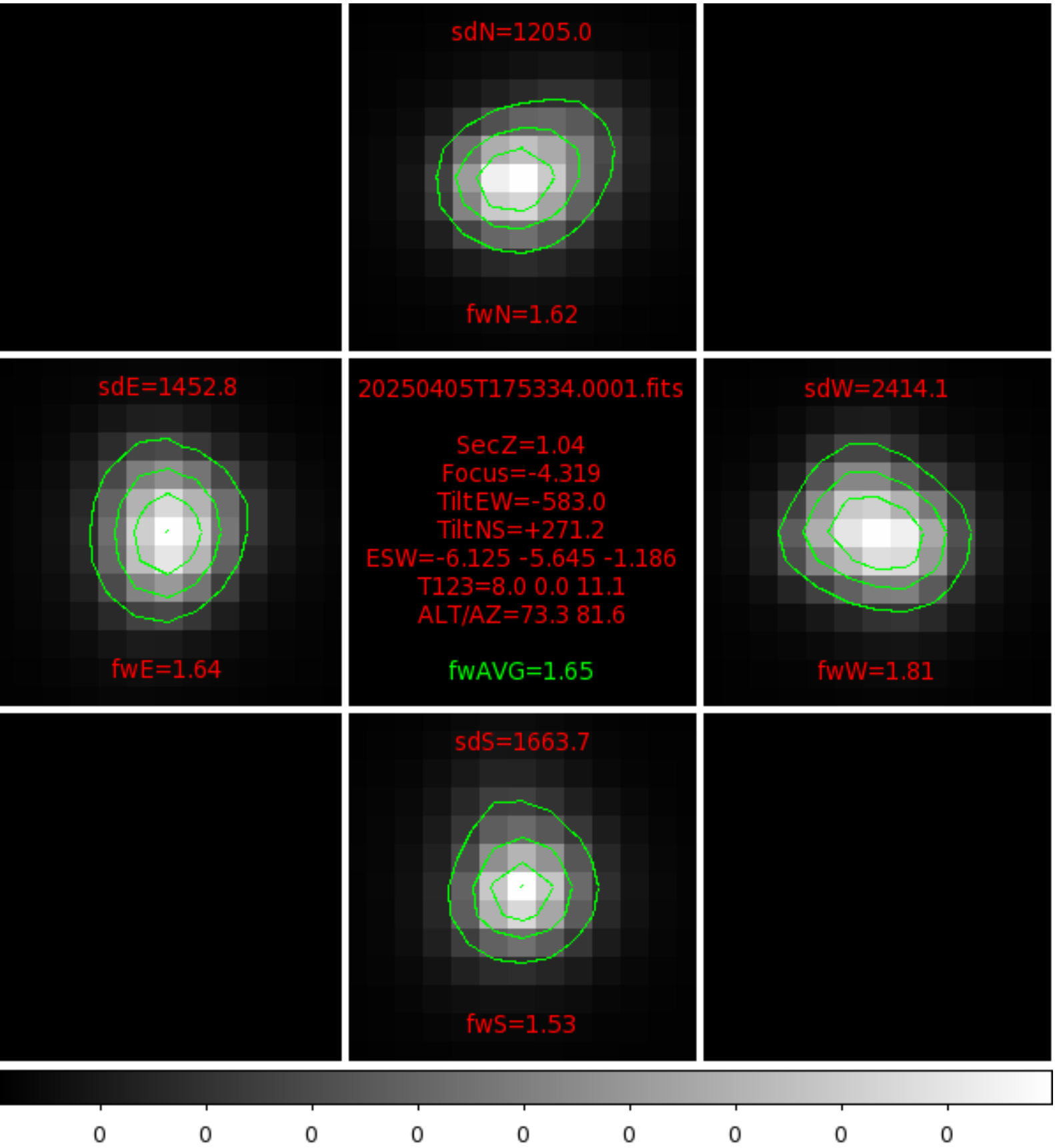
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TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.0 0.0 11.1
ALT/AZ=73.3 81.6
fwAVG=1.65
sdW=2414.1
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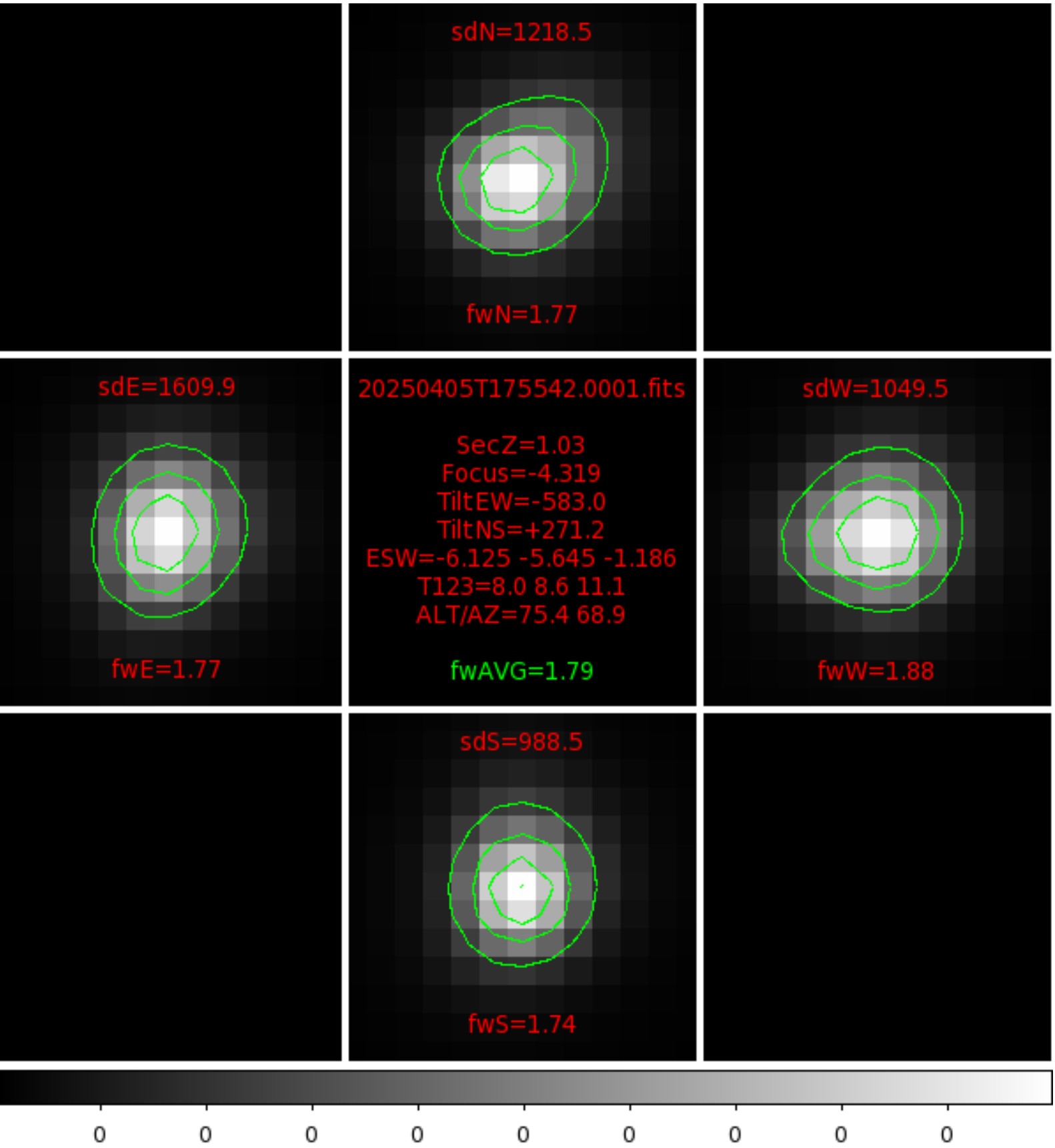
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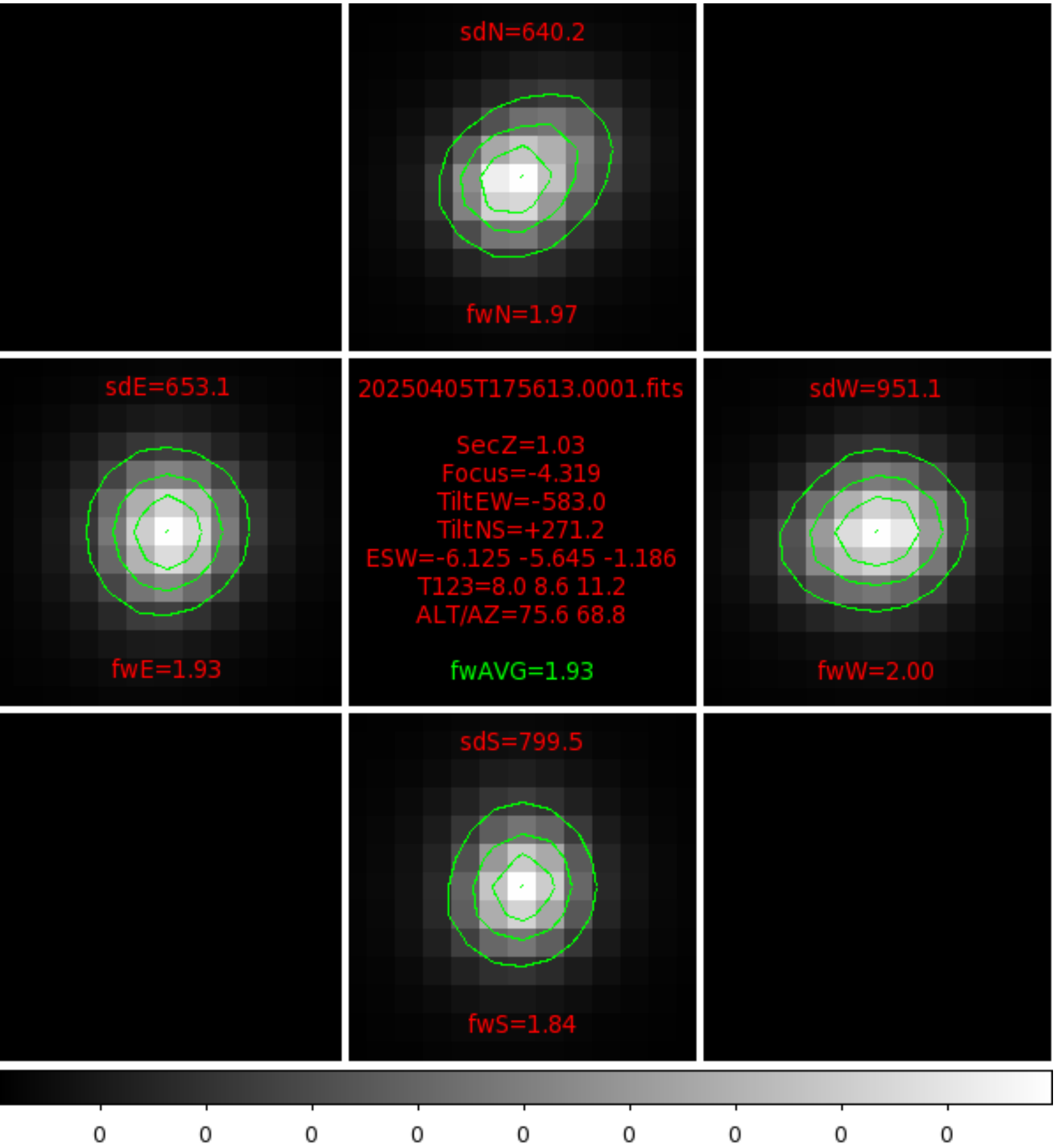
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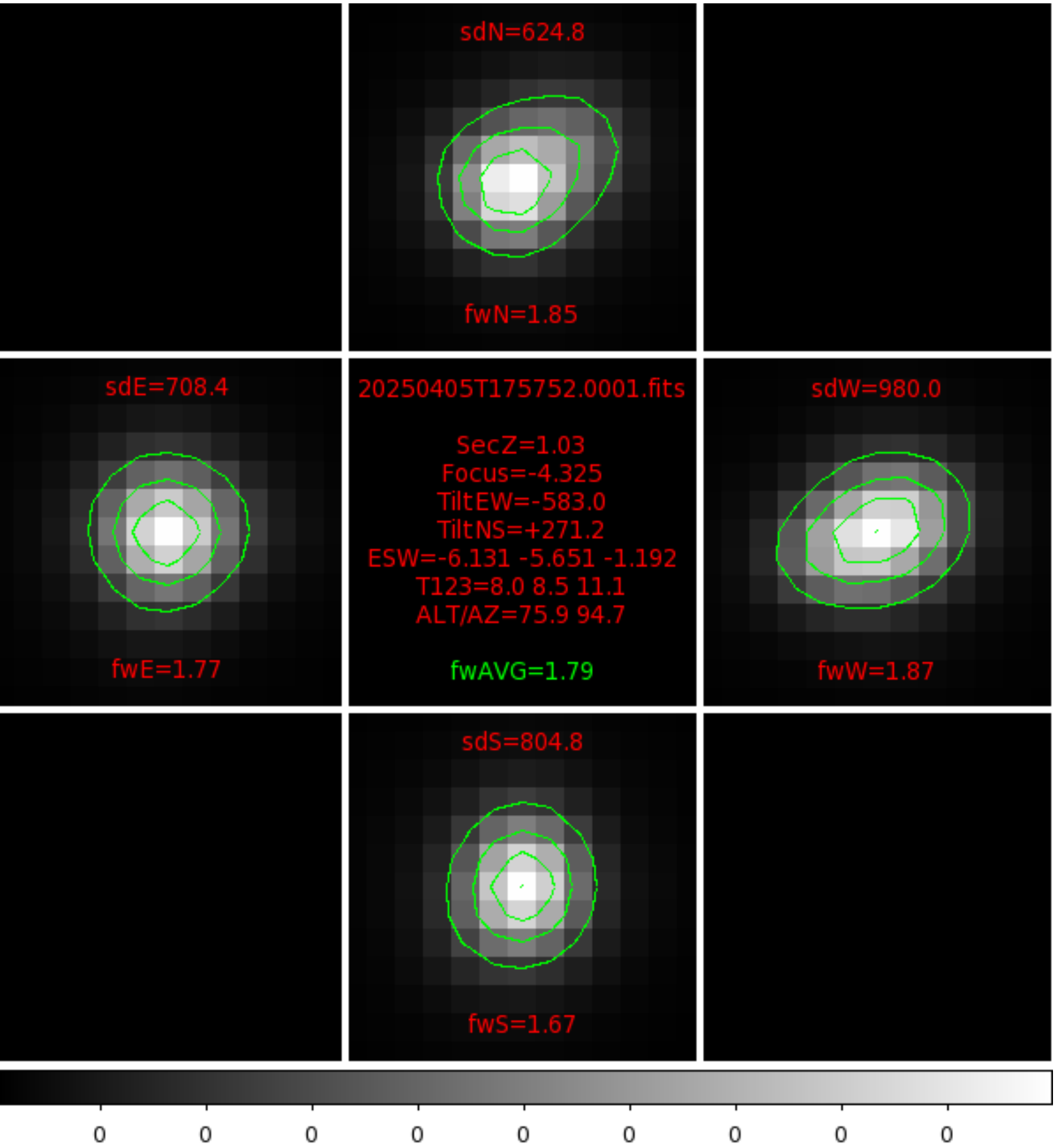
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T123=8.0 8.5 11.1
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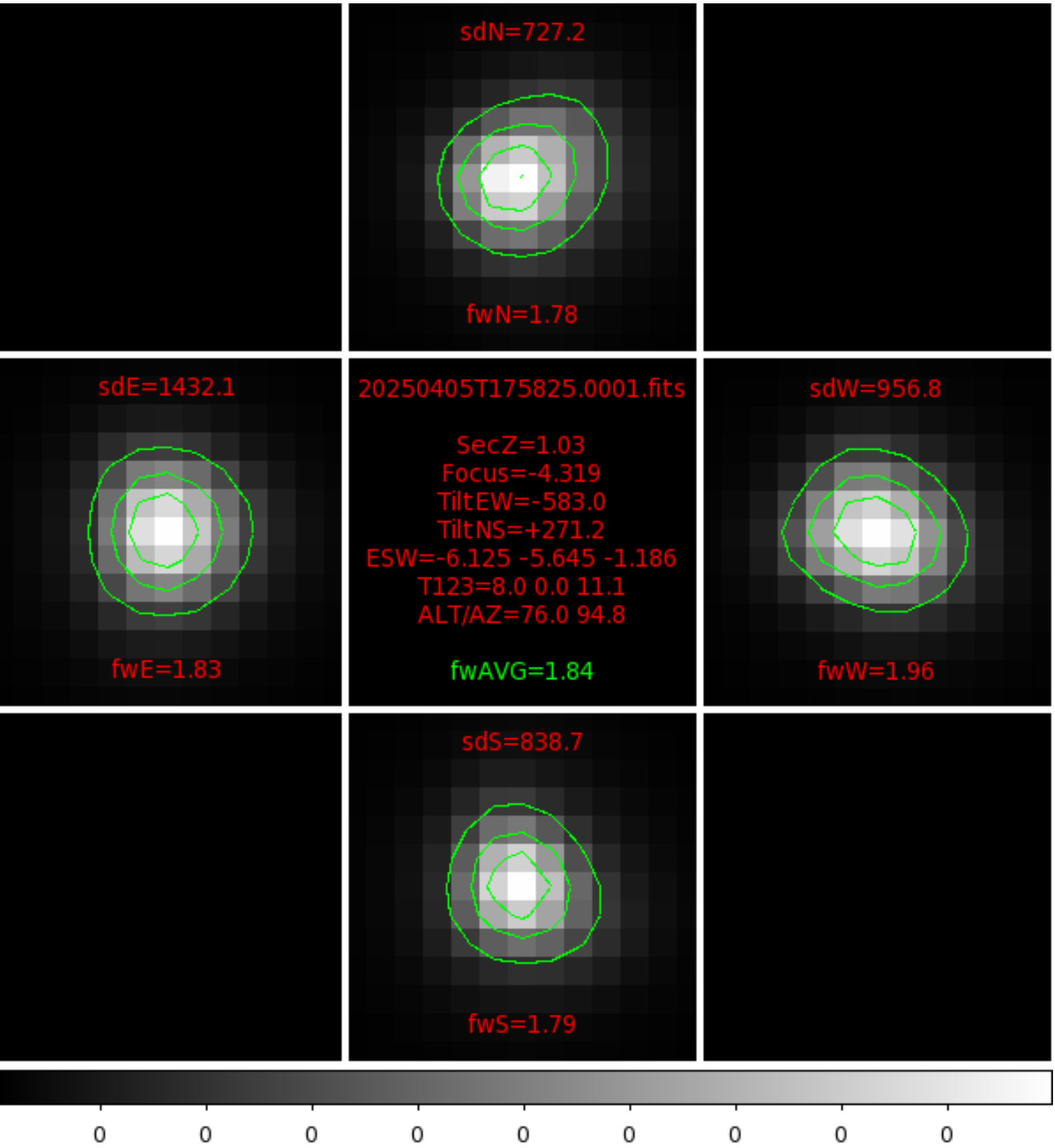
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ESW=-6.125 -5.645 -1.186
T123=8.0 0.0 11.1
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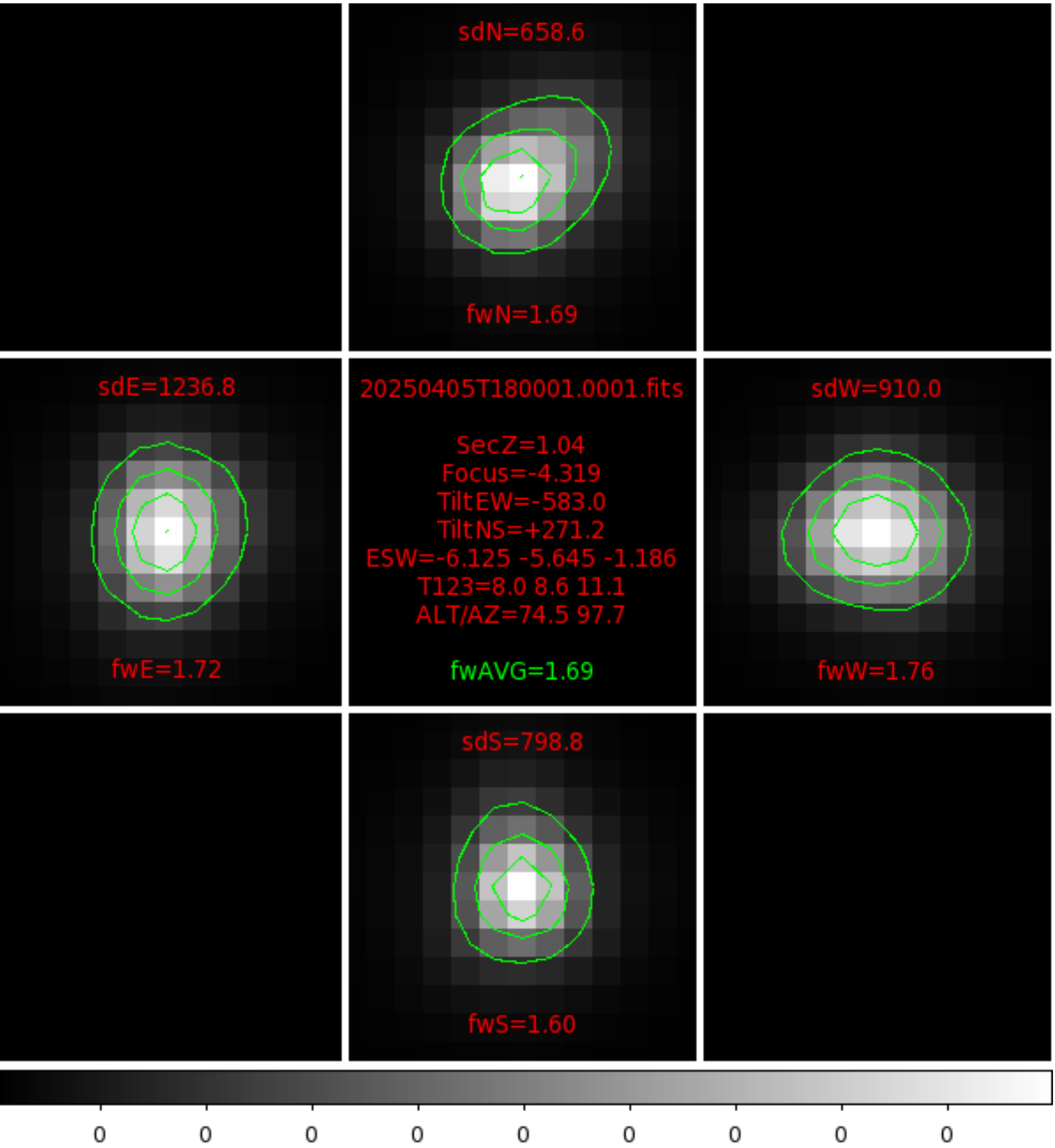
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T123=8.0 8.6 11.1
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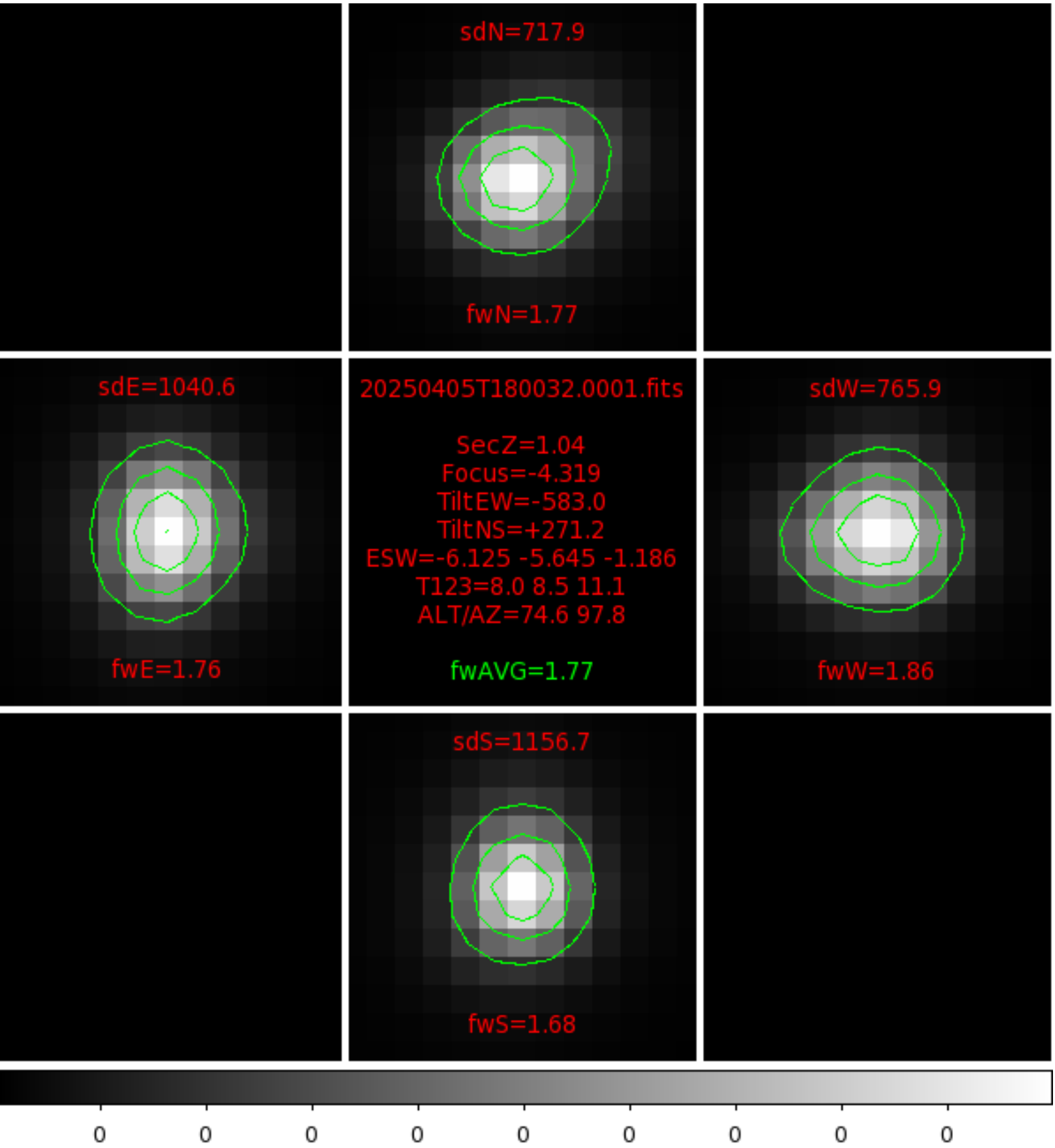
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T123=8.0 8.5 11.1
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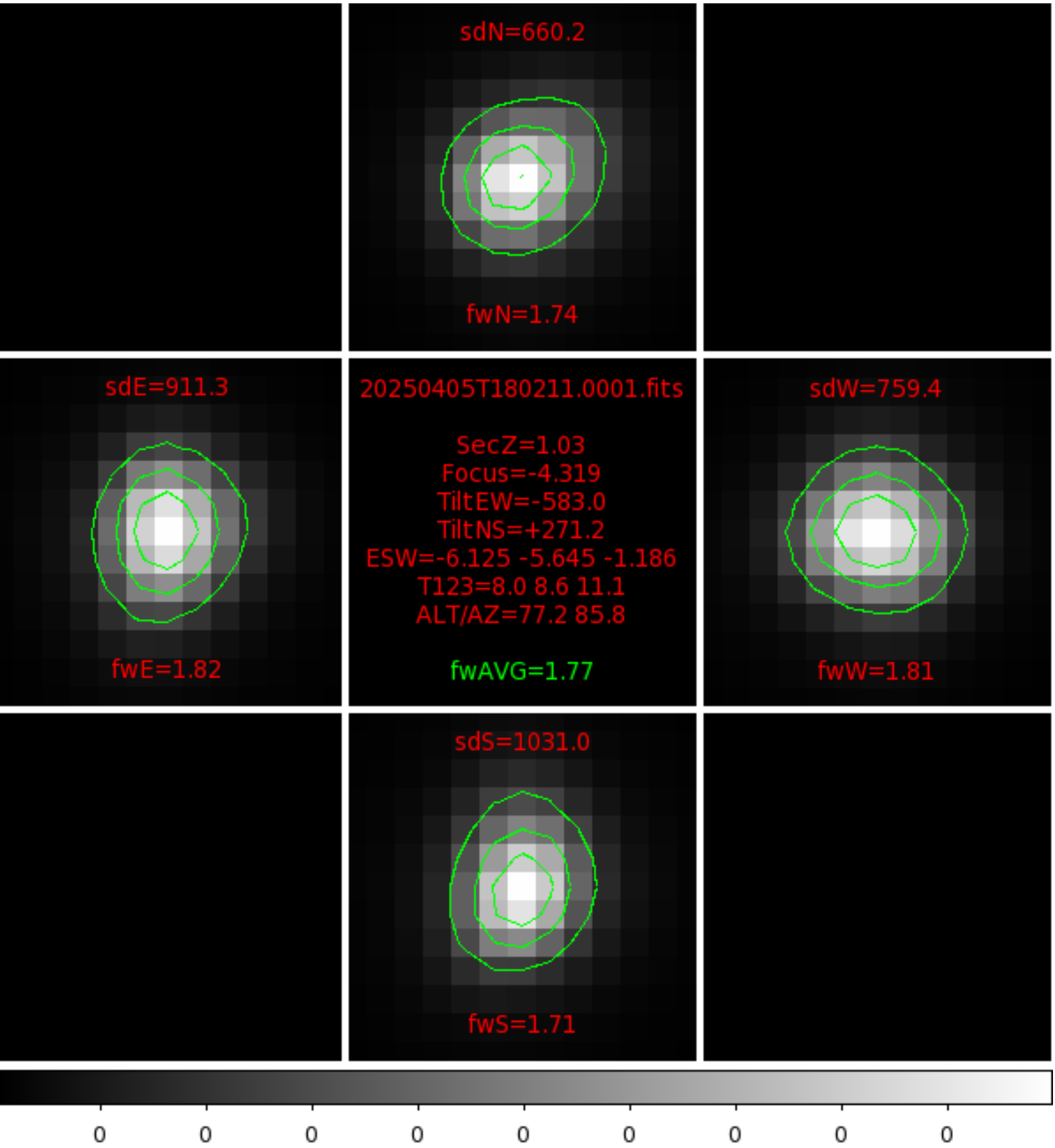
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SecZ=1.03
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TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.0 8.6 11.1
ALT/AZ=77.2 85.8
fwAVG=1.77
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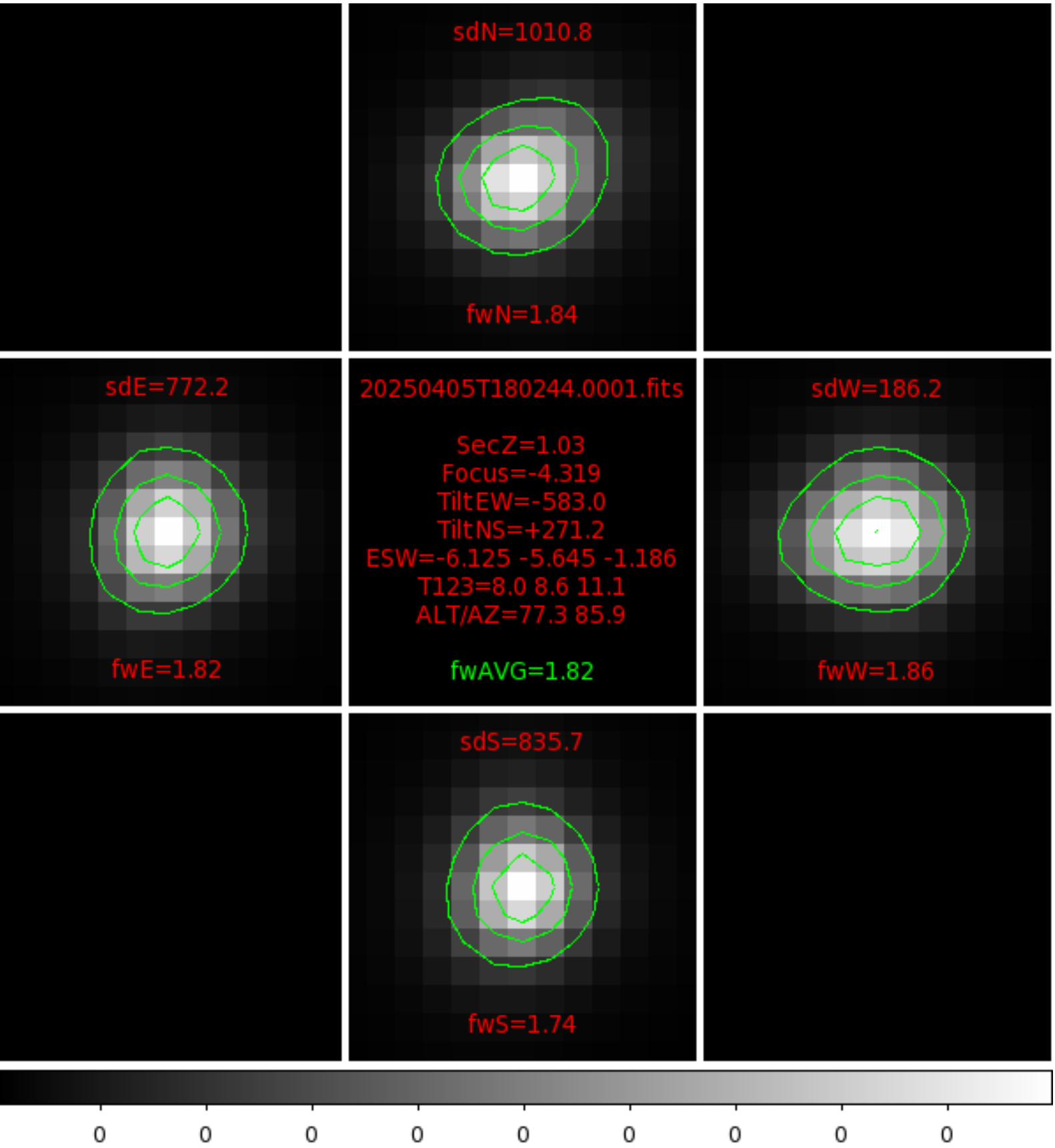
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T123=8.0 8.6 11.1
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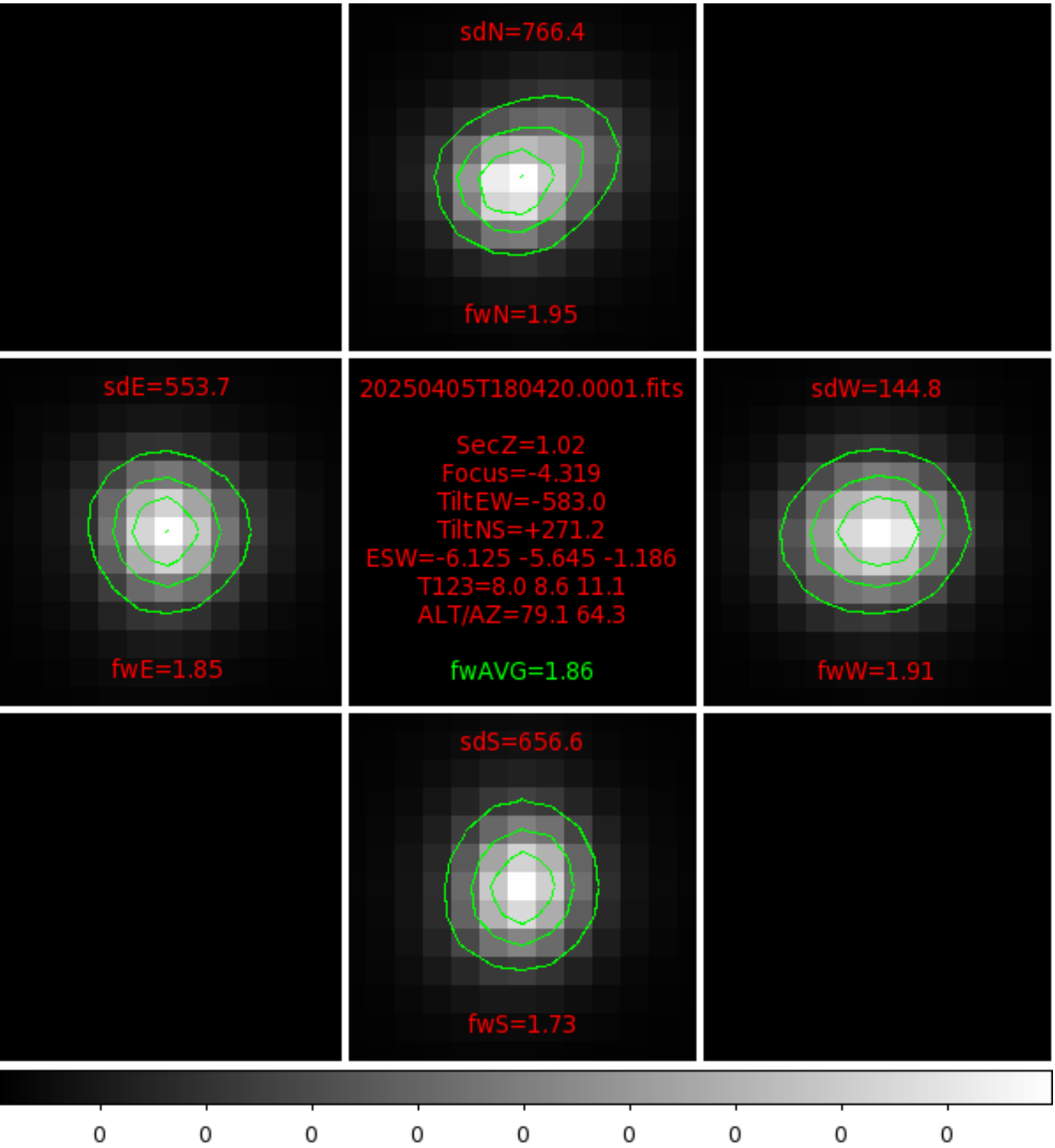
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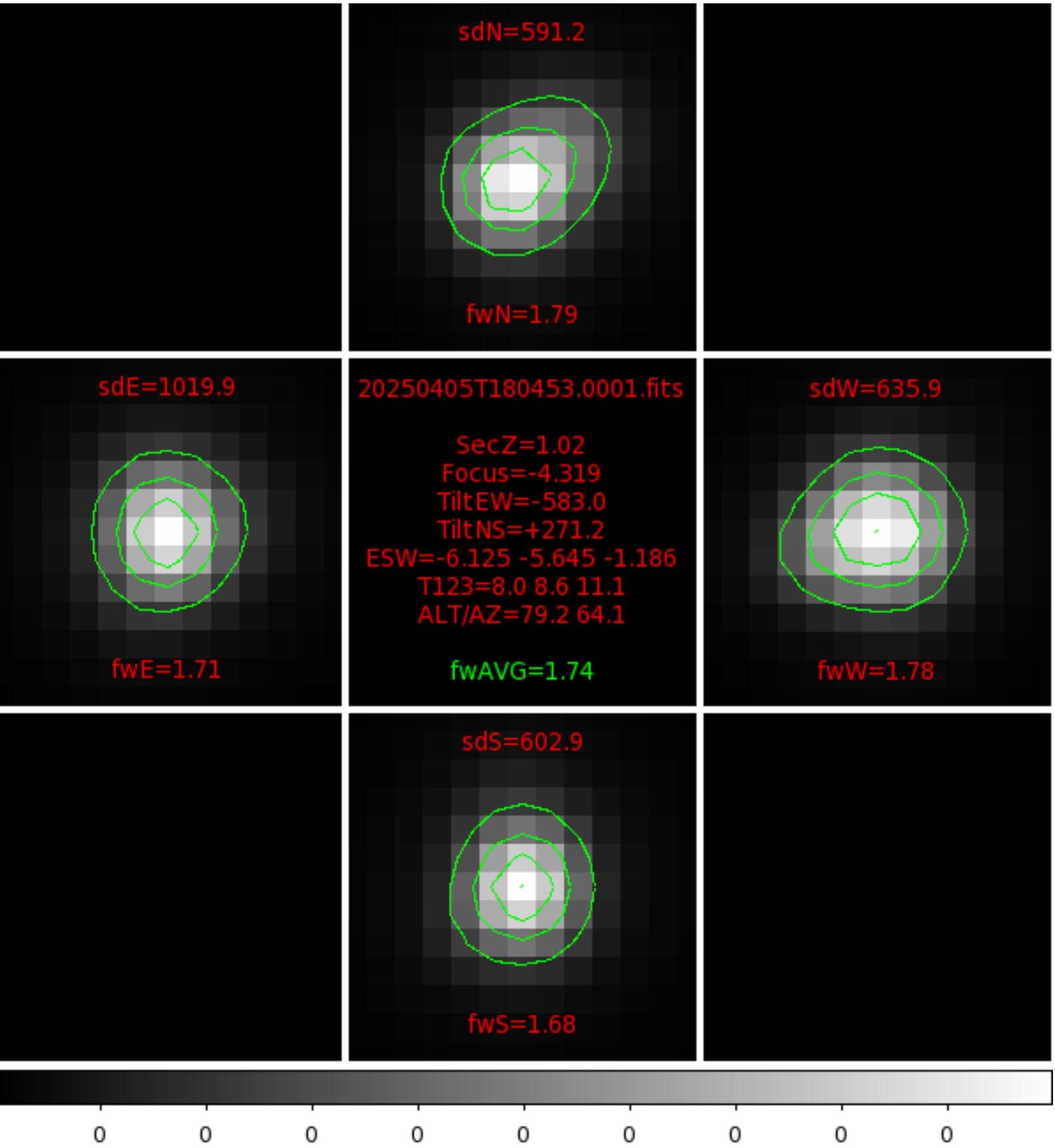
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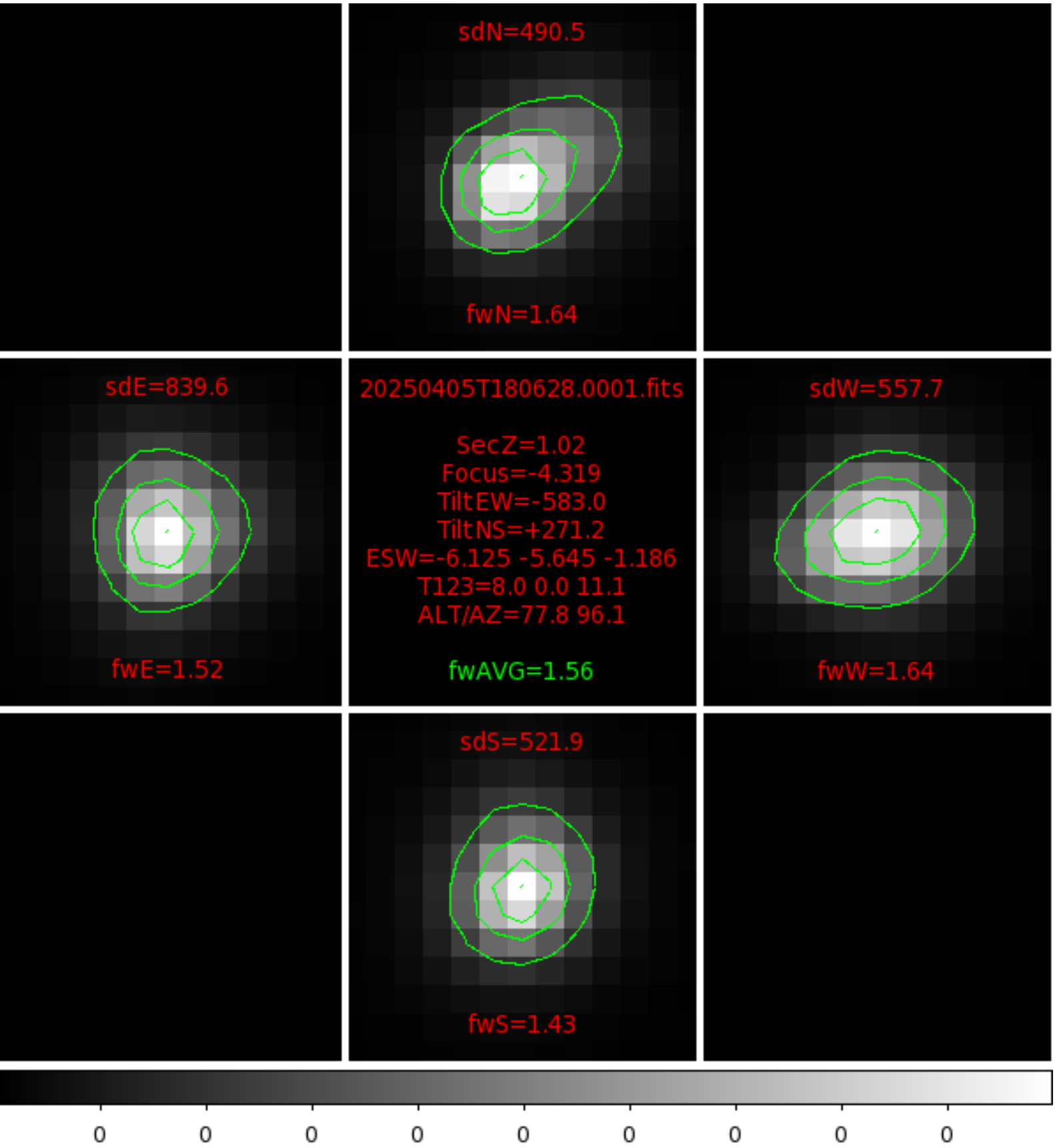
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T123=8.0 0.0 11.1
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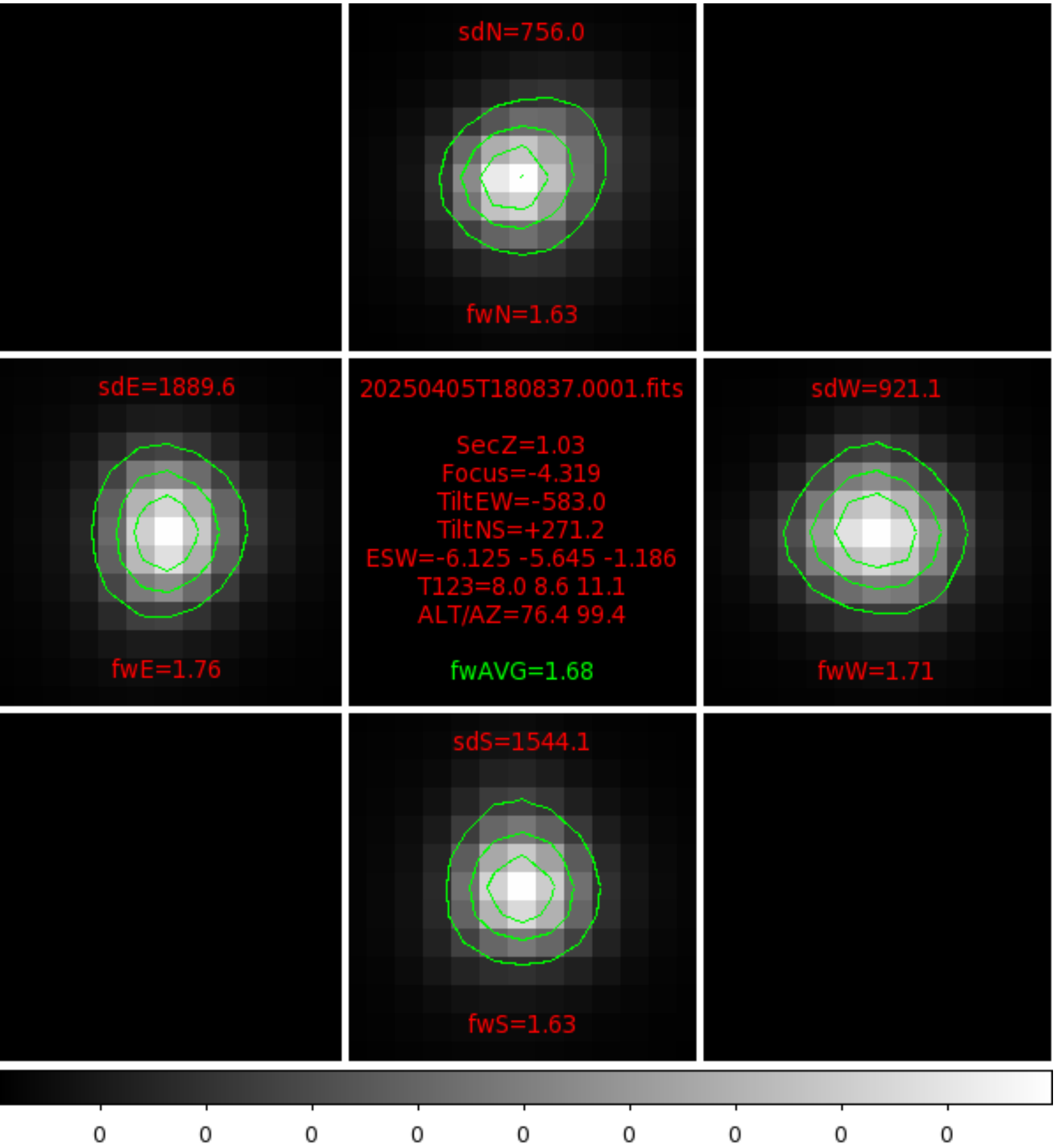
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T123=8.0 8.6 11.1
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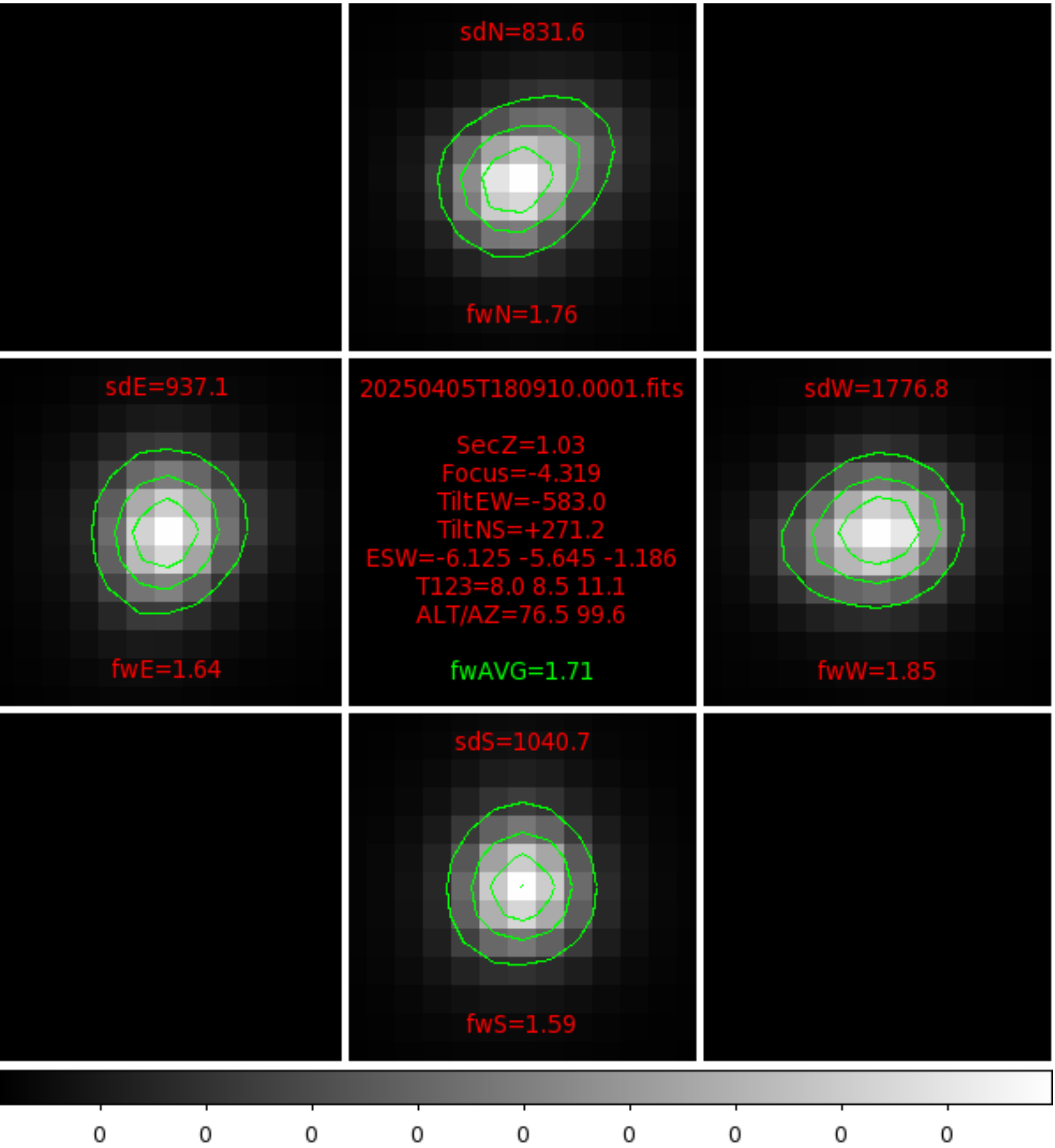
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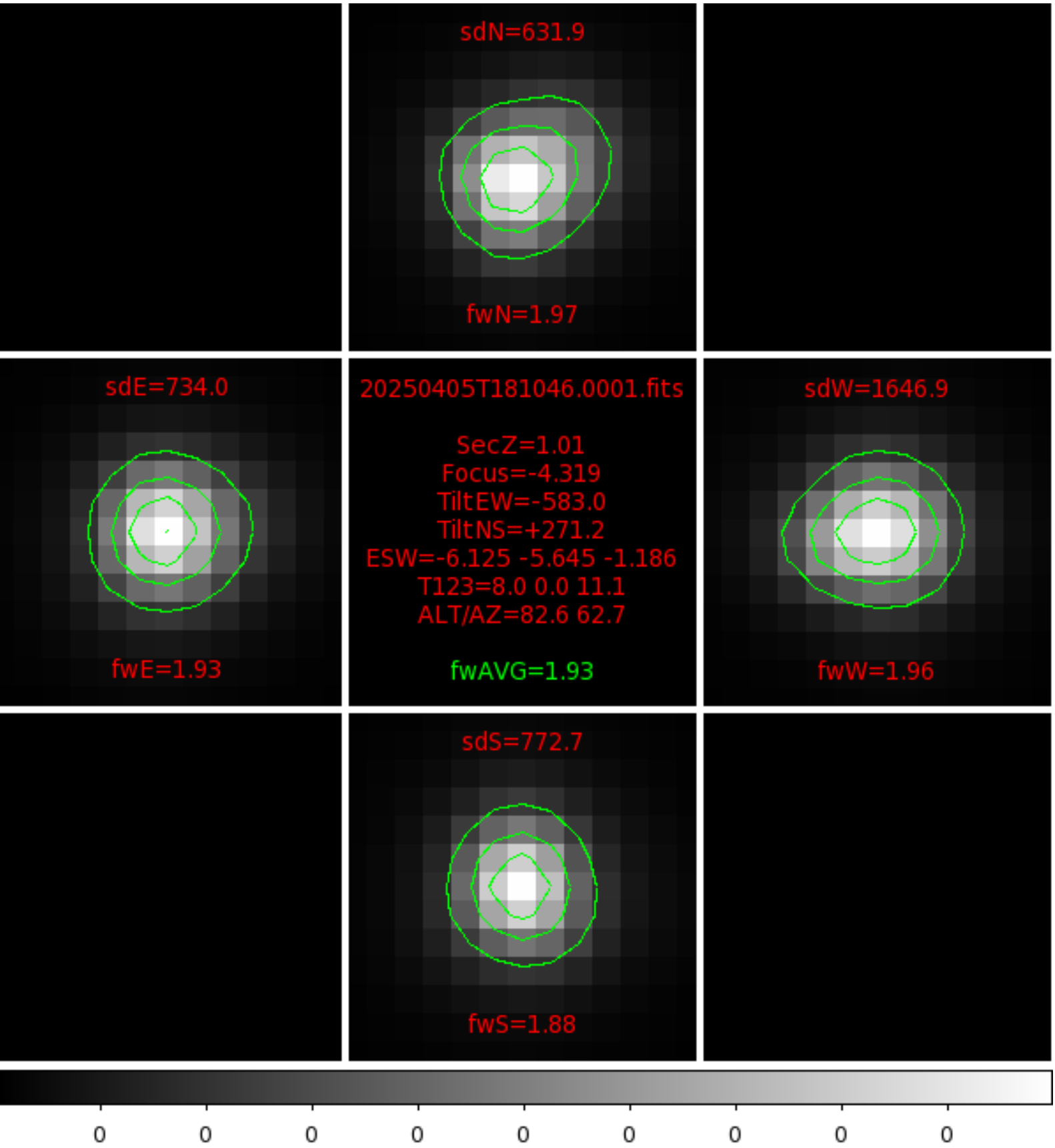
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TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.0 0.0 11.1
ALT/AZ=82.6 62.7
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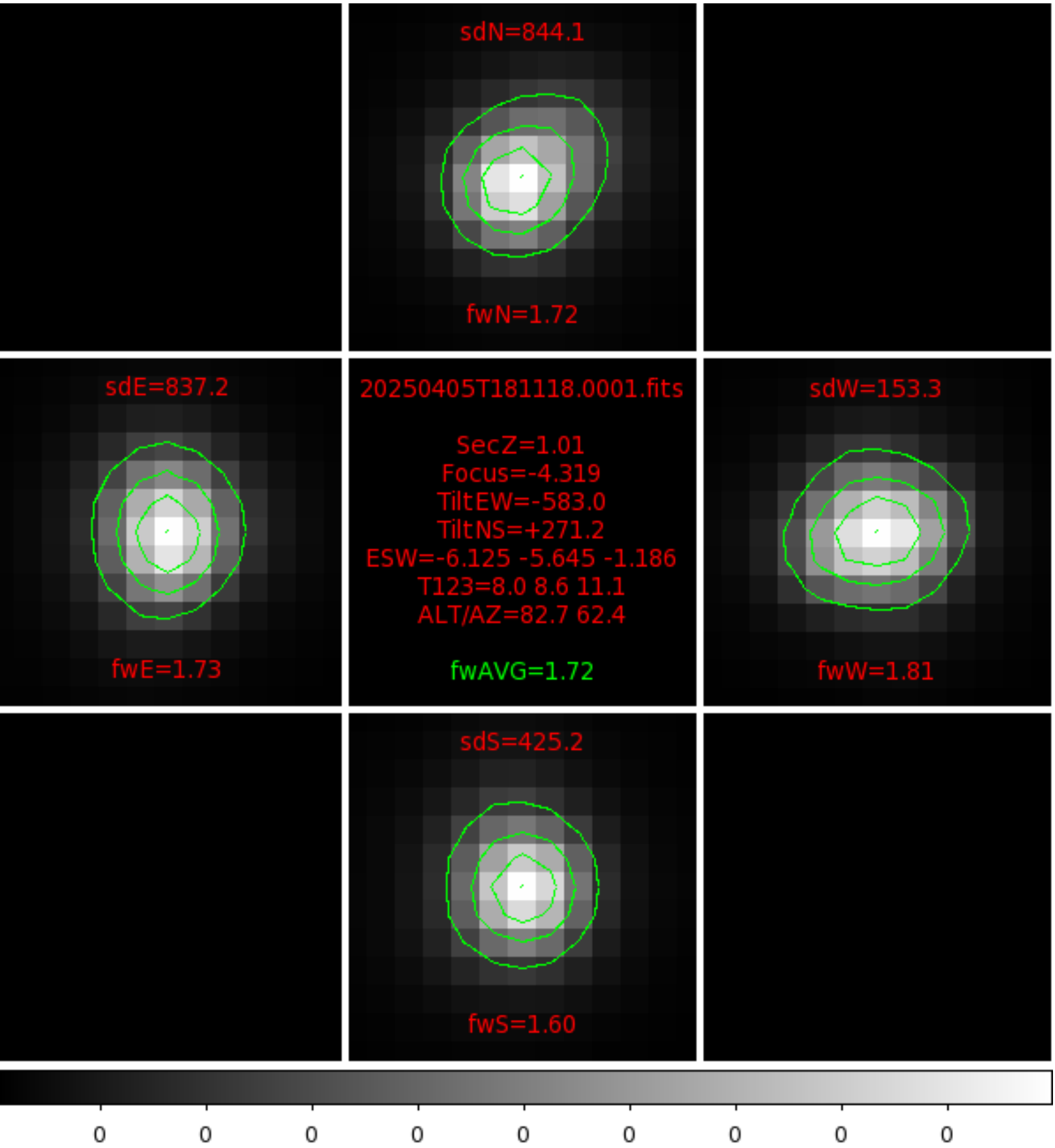
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T123=8.0 8.6 11.1
ALT/AZ=82.7 62.4
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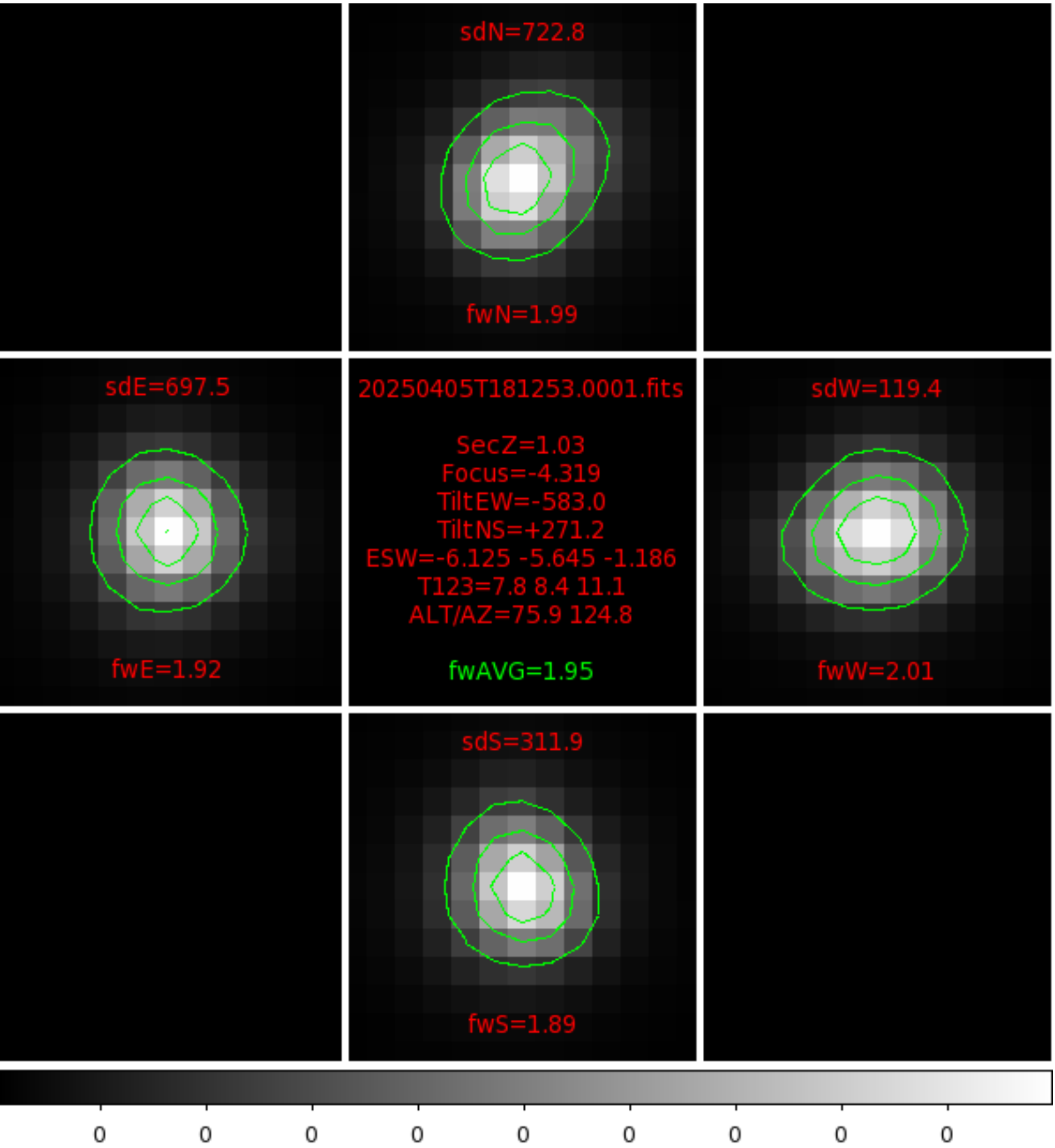
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T123=7.8 8.4 11.1
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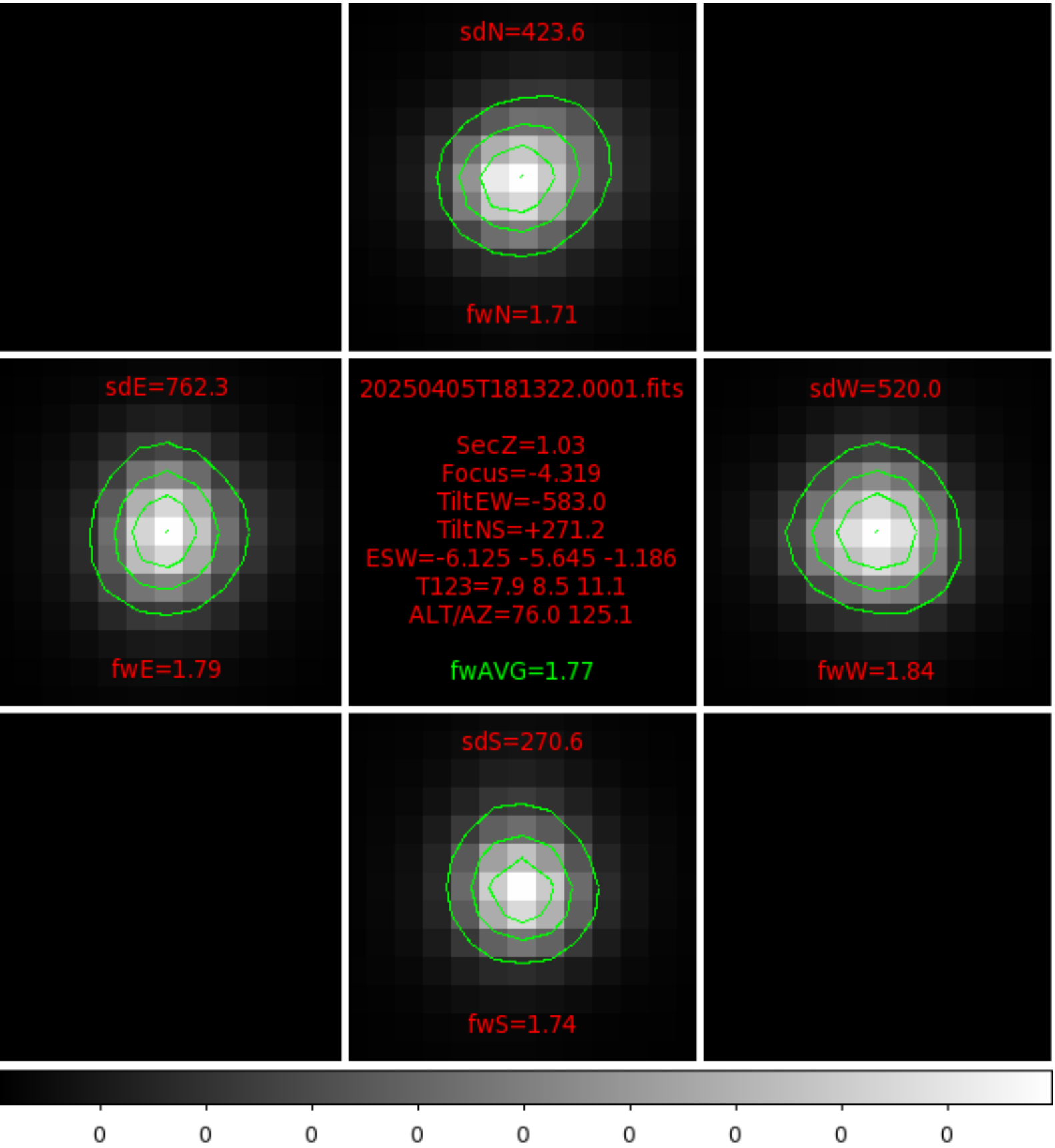
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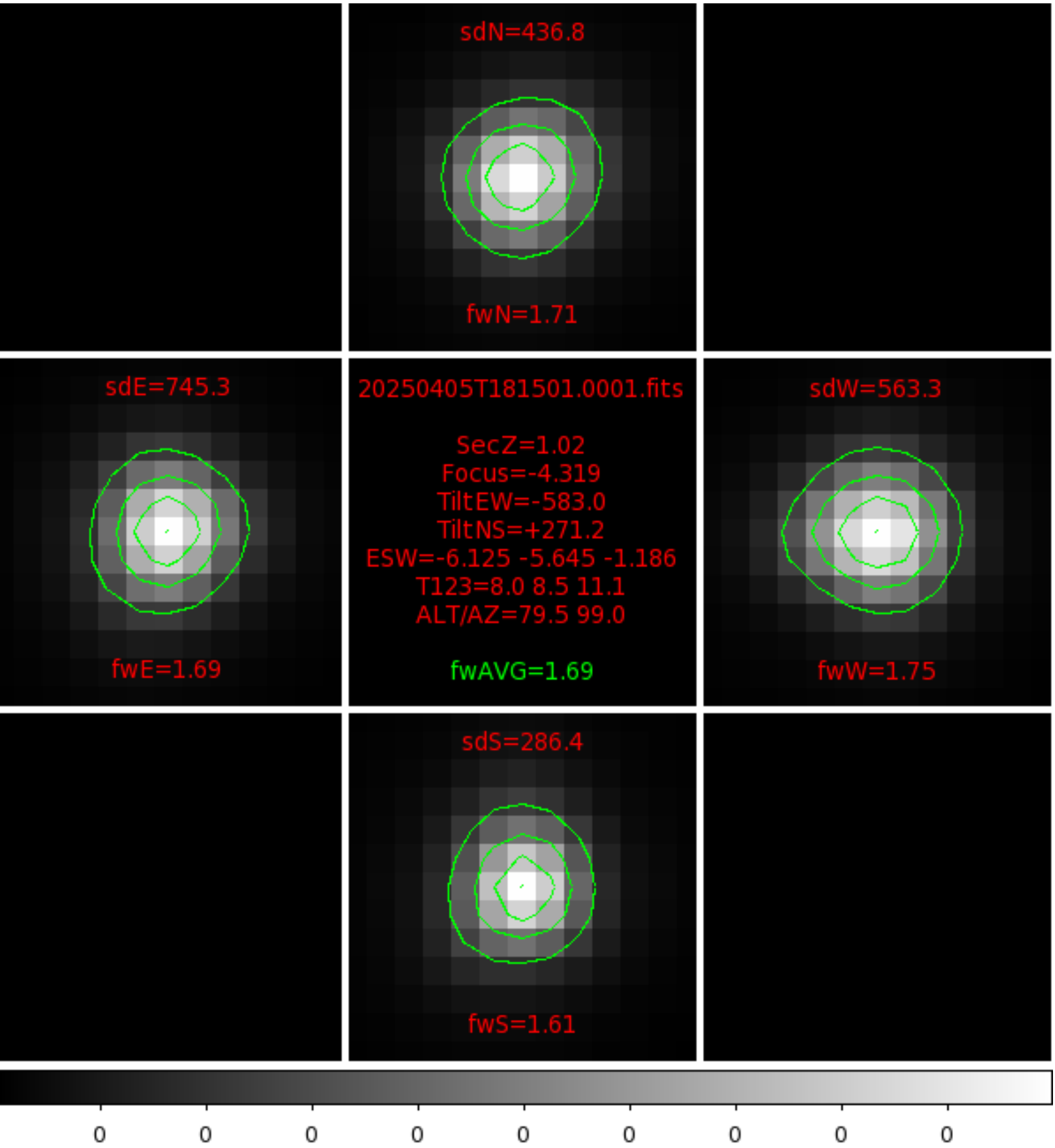
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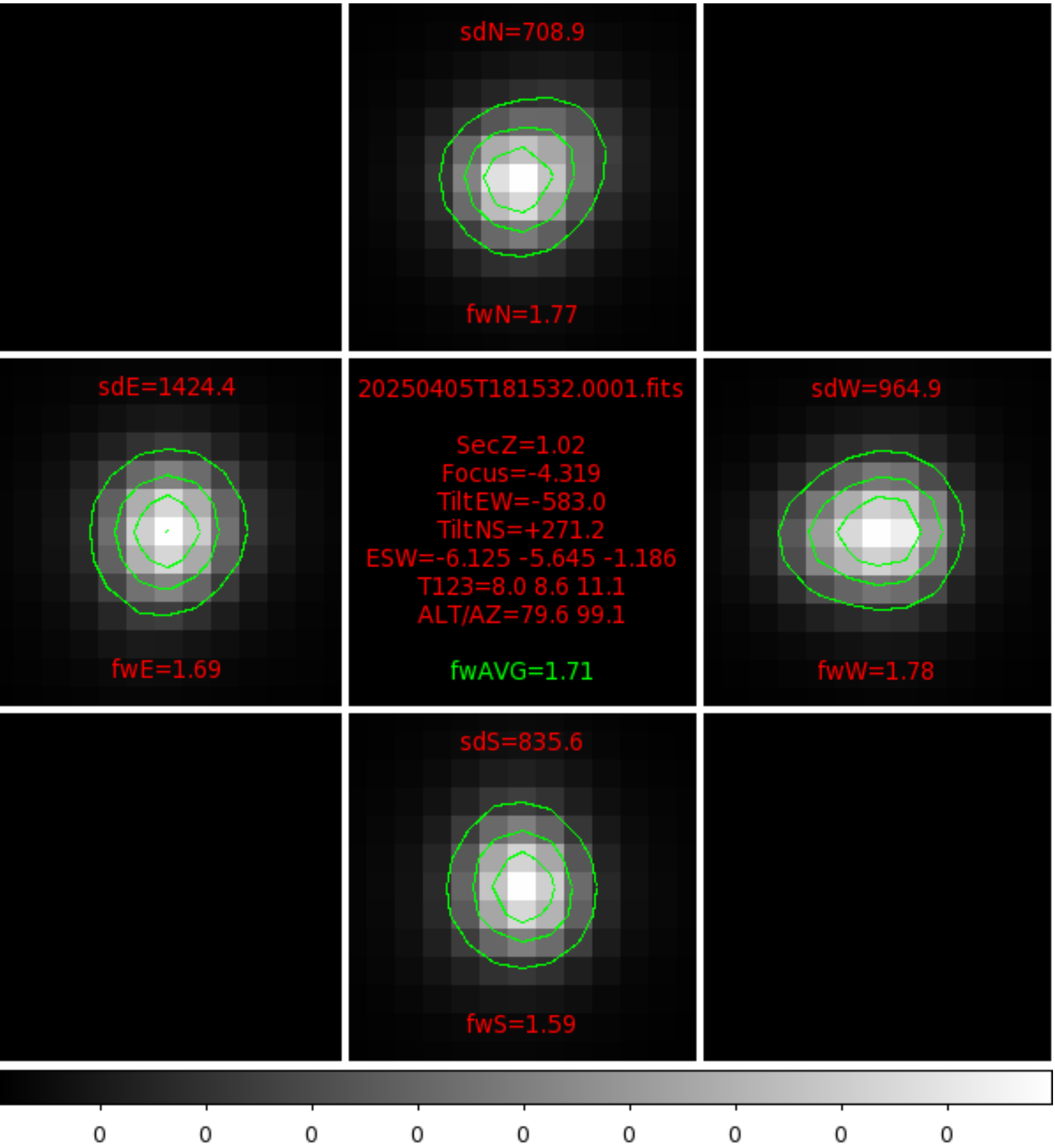
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TiltNS=+271.2
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T123=8.0 8.6 11.1
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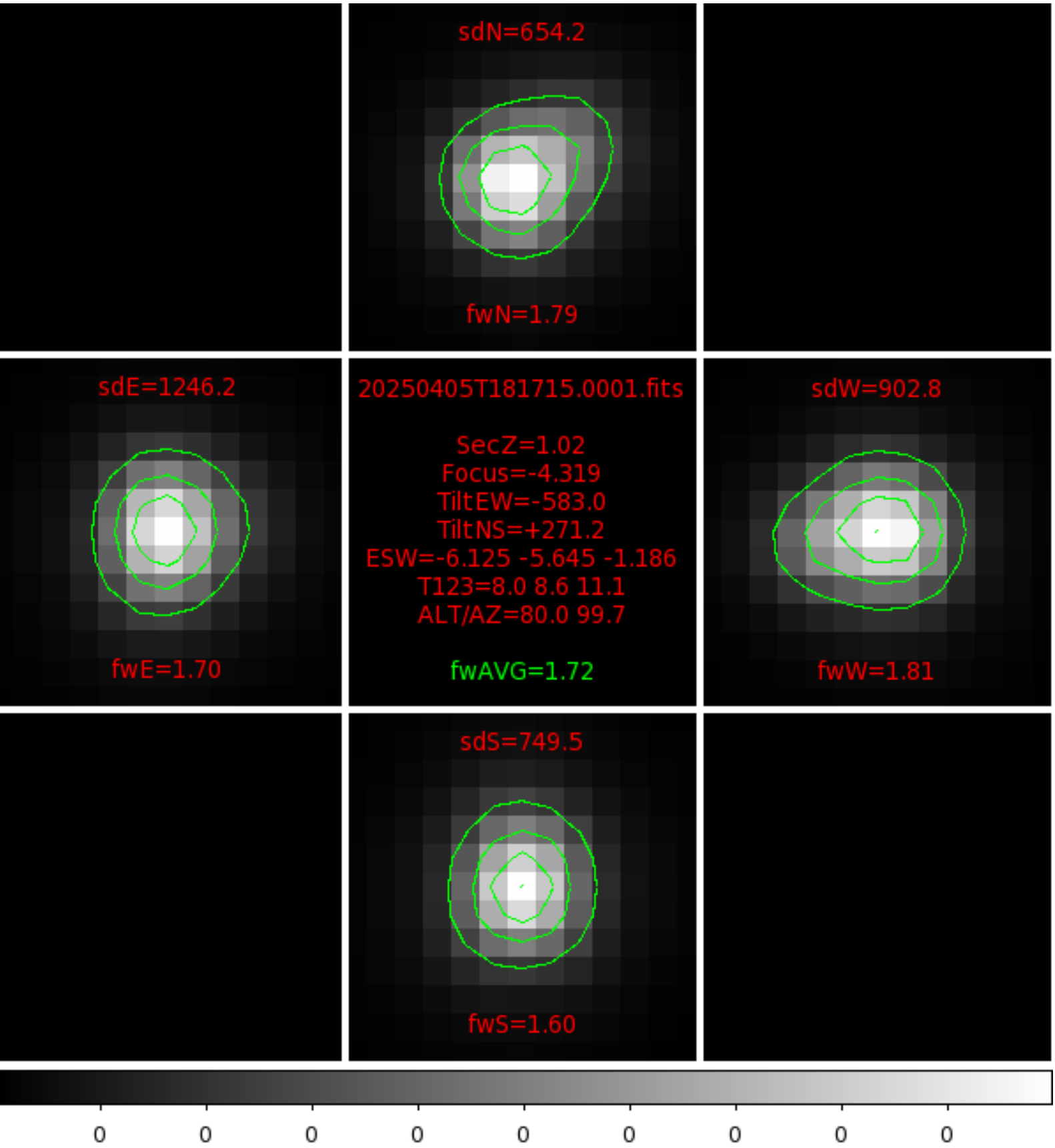
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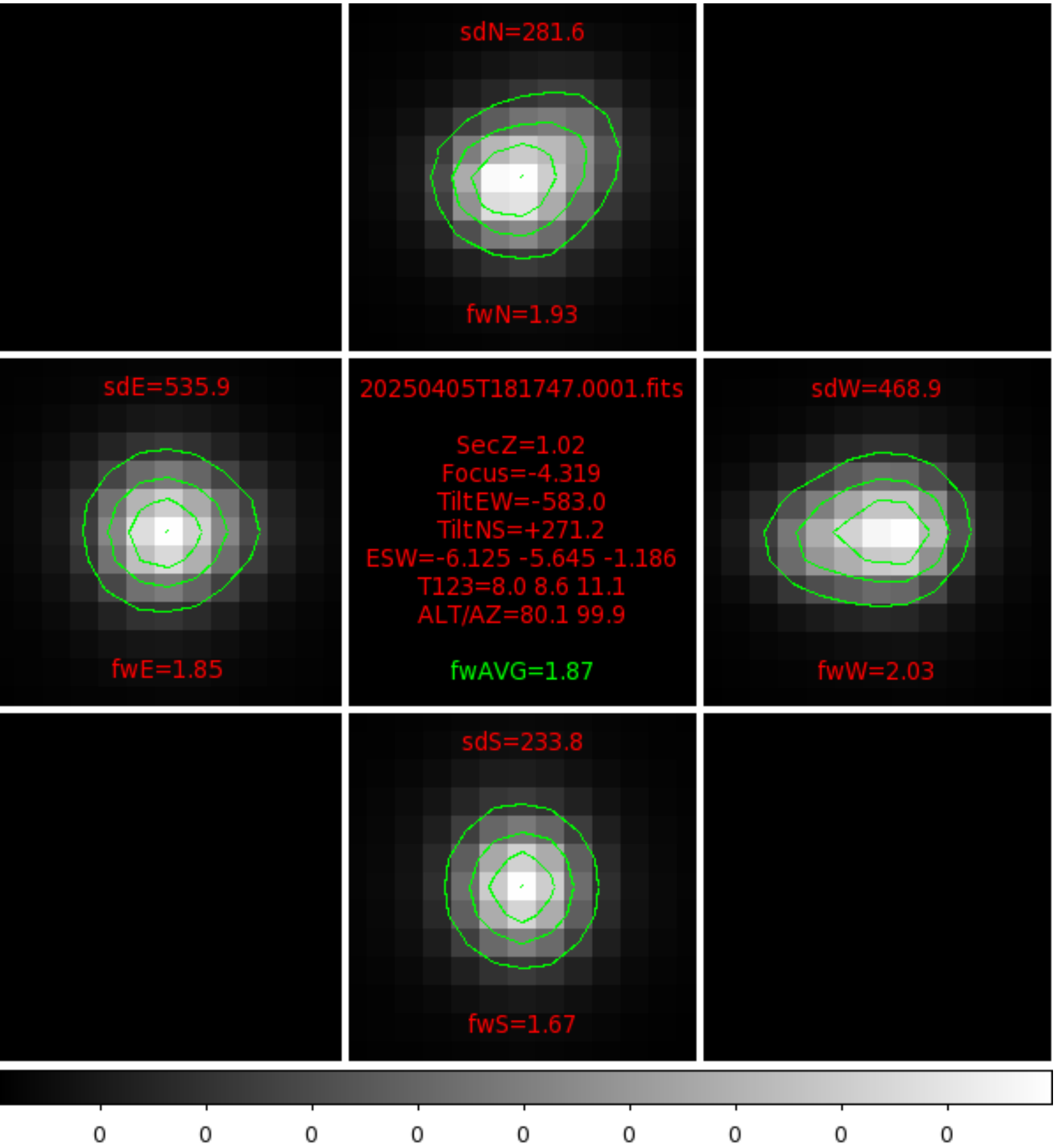
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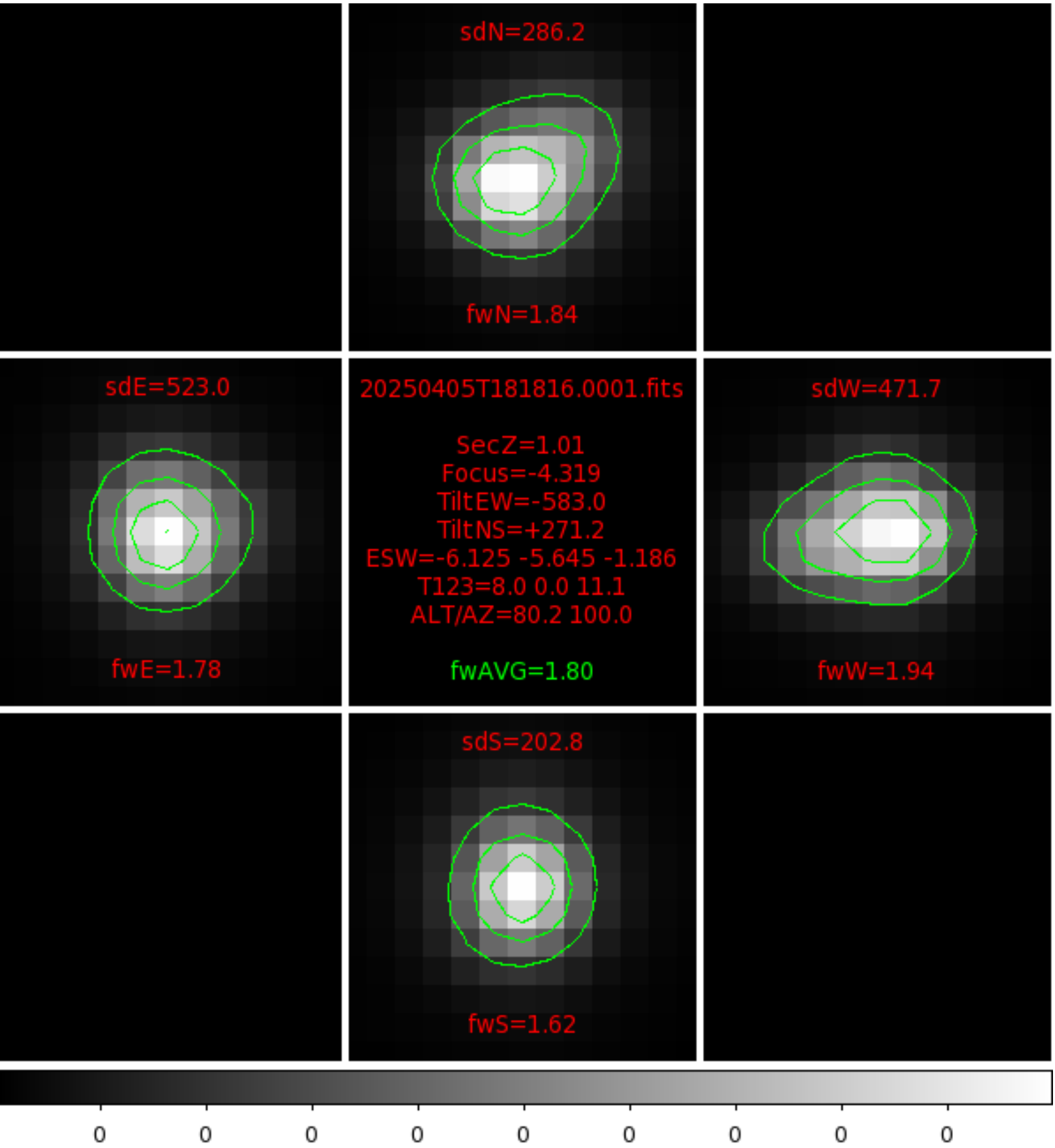
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TiltNS=+271.2
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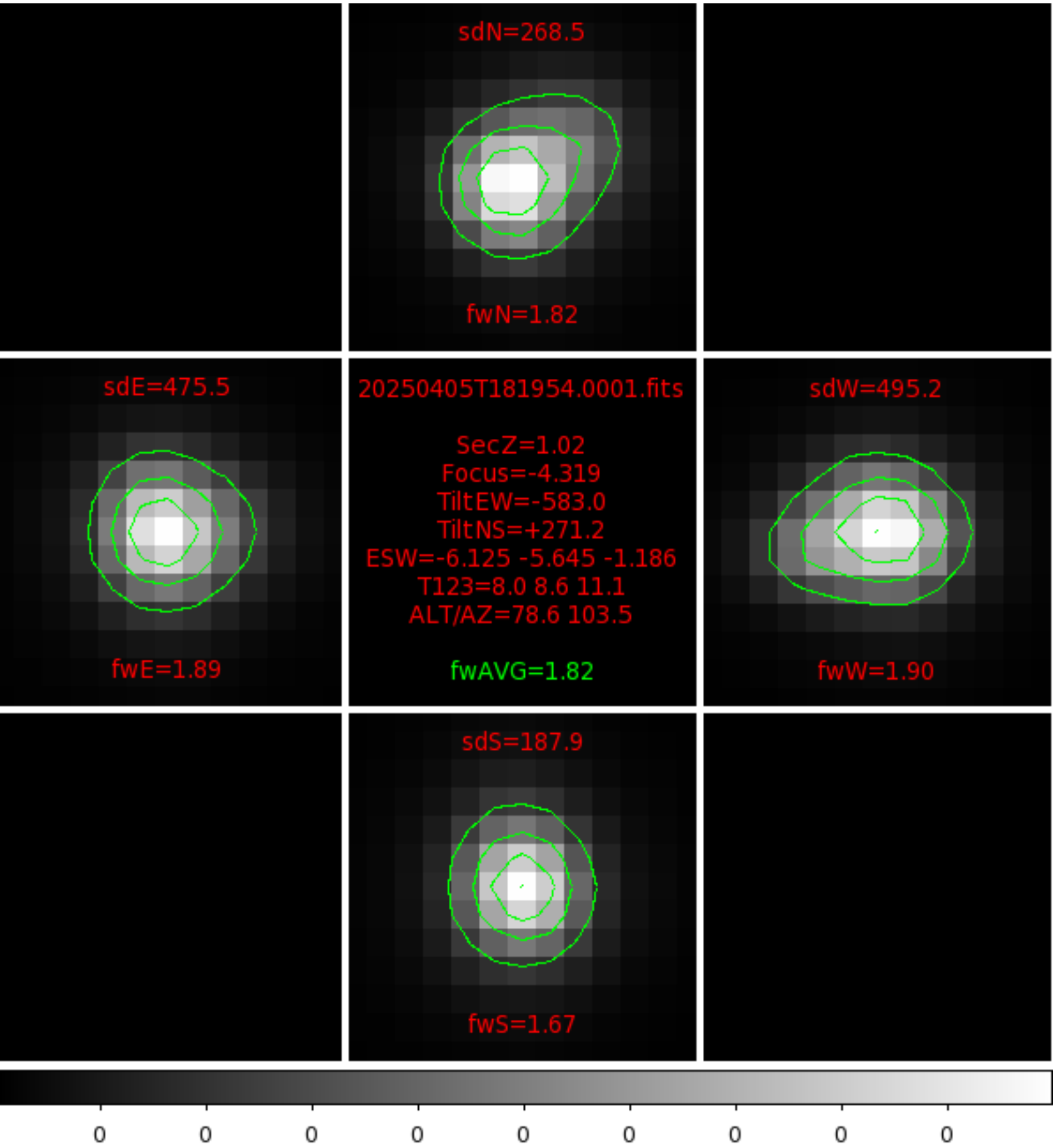
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TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.0 8.6 11.1
ALT/AZ=78.6 103.5
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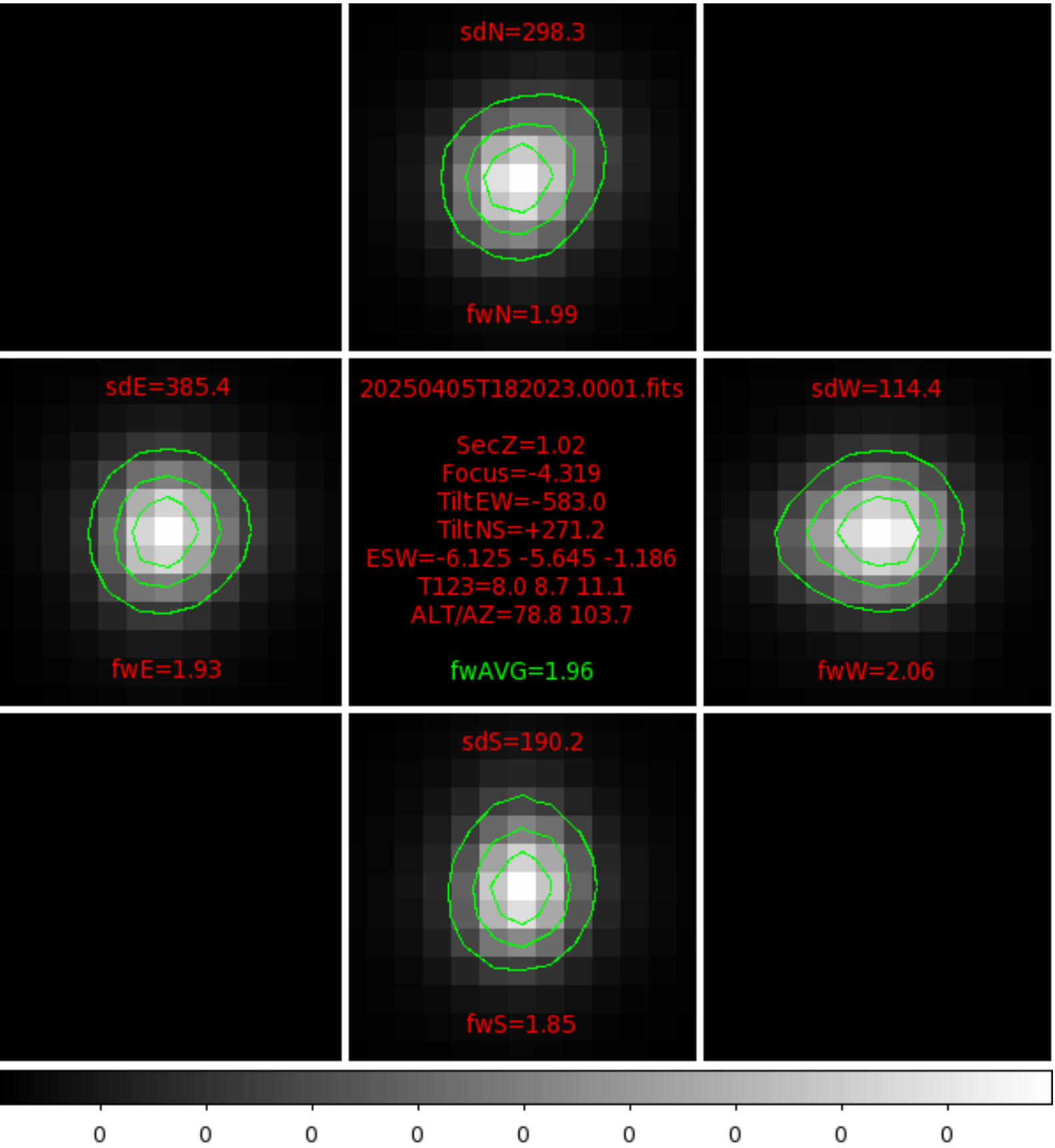
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TiltNS=+271.2
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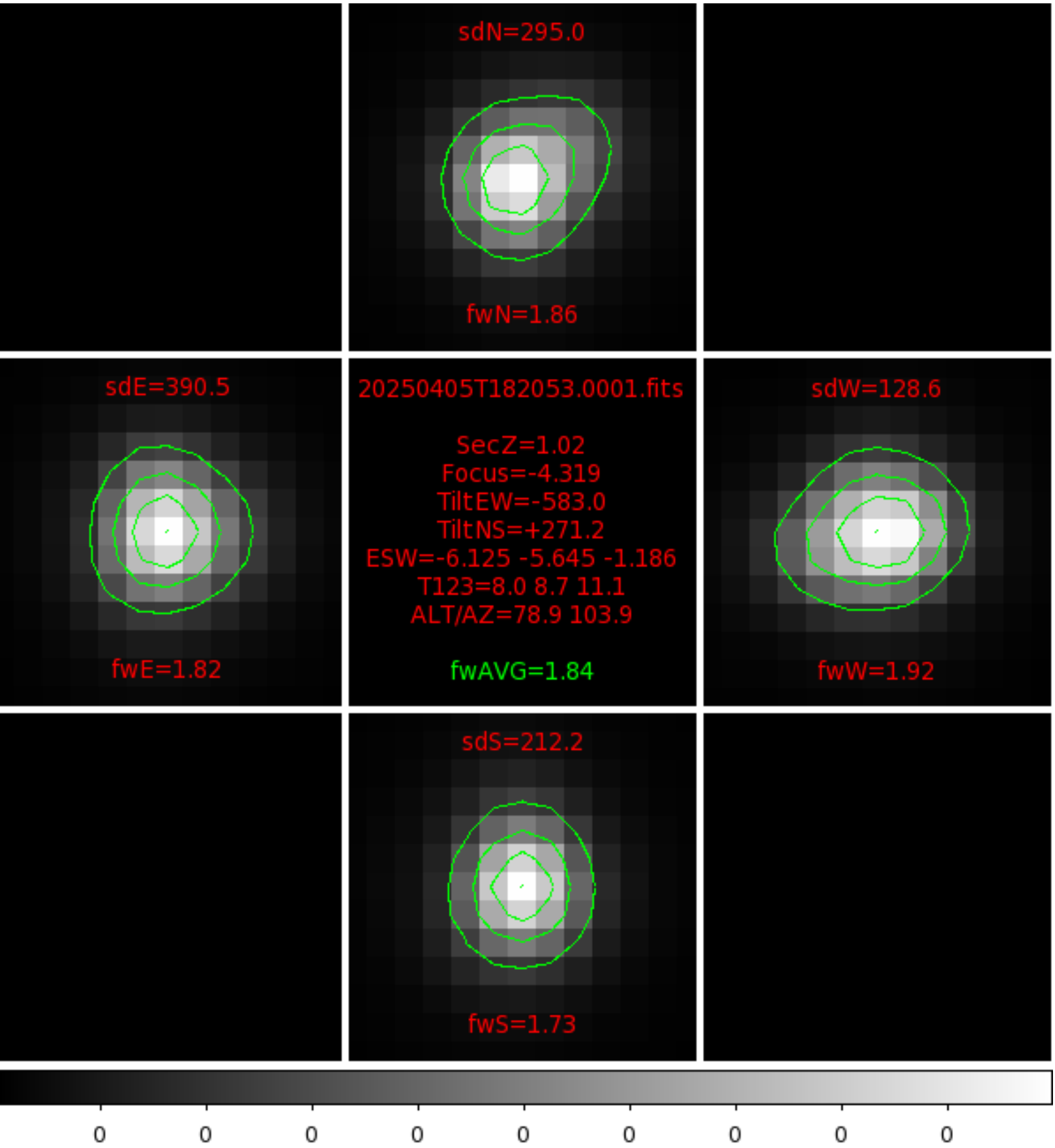
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Focus=-4.319
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.0 8.7 11.1
ALT/AZ=78.9 103.9
fwAVG=1.84
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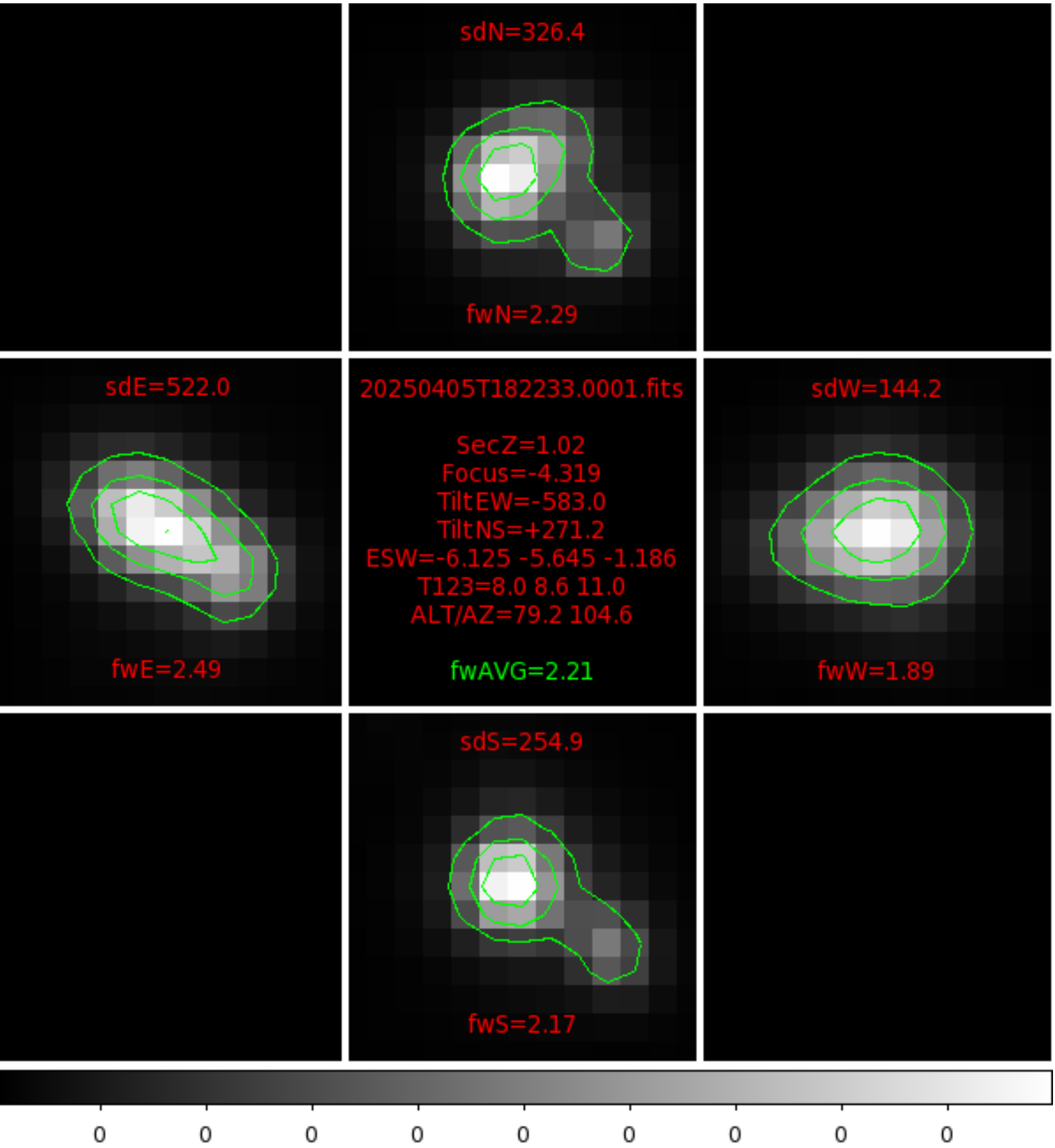
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T123=8.0 8.6 11.0
ALT/AZ=79.2 104.6
fwAVG=2.21
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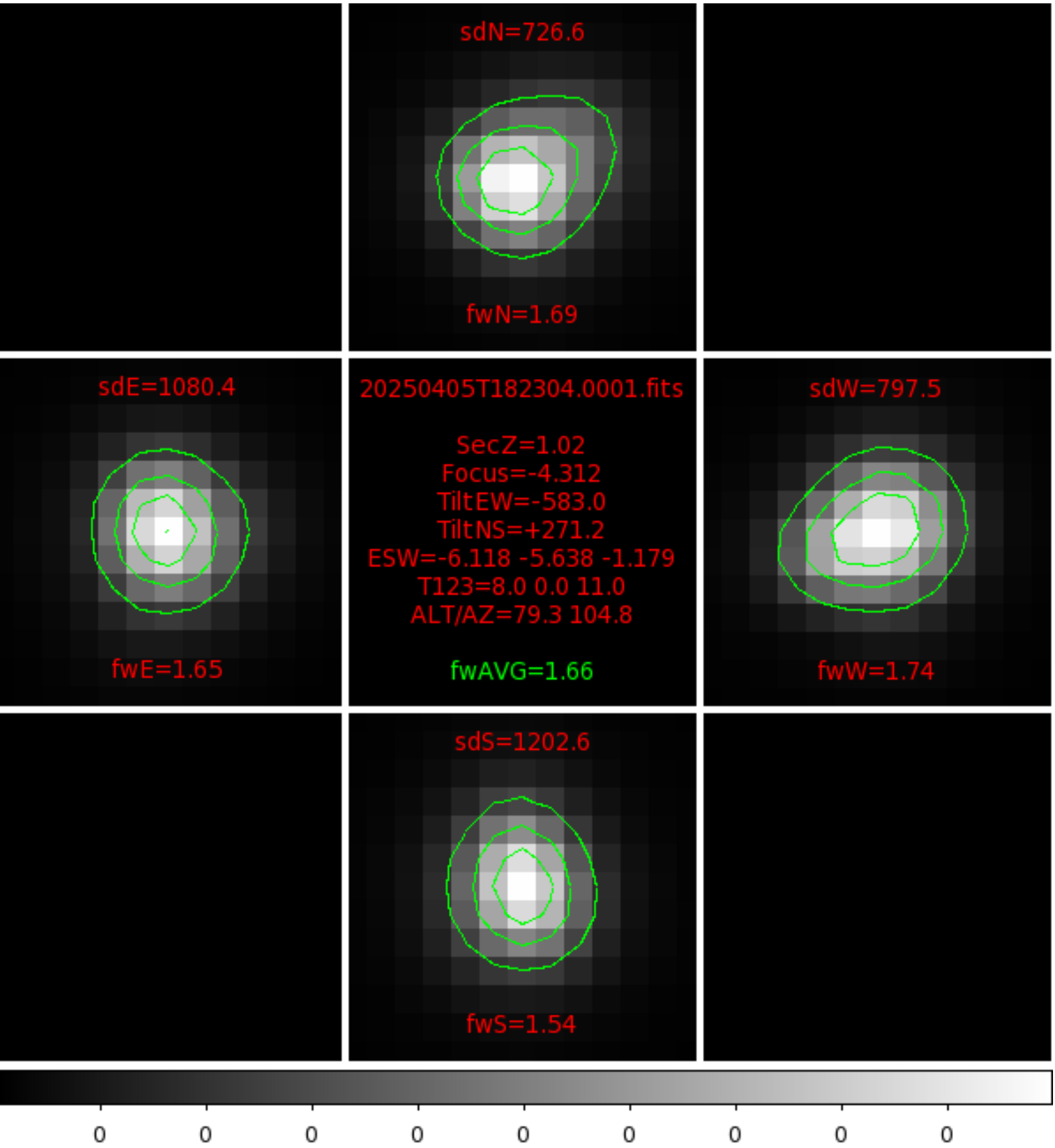
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SecZ=1.02
Focus=-4.312
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.118 -5.638 -1.179
T123=8.0 0.0 11.0
ALT/AZ=79.3 104.8
fwAVG=1.66
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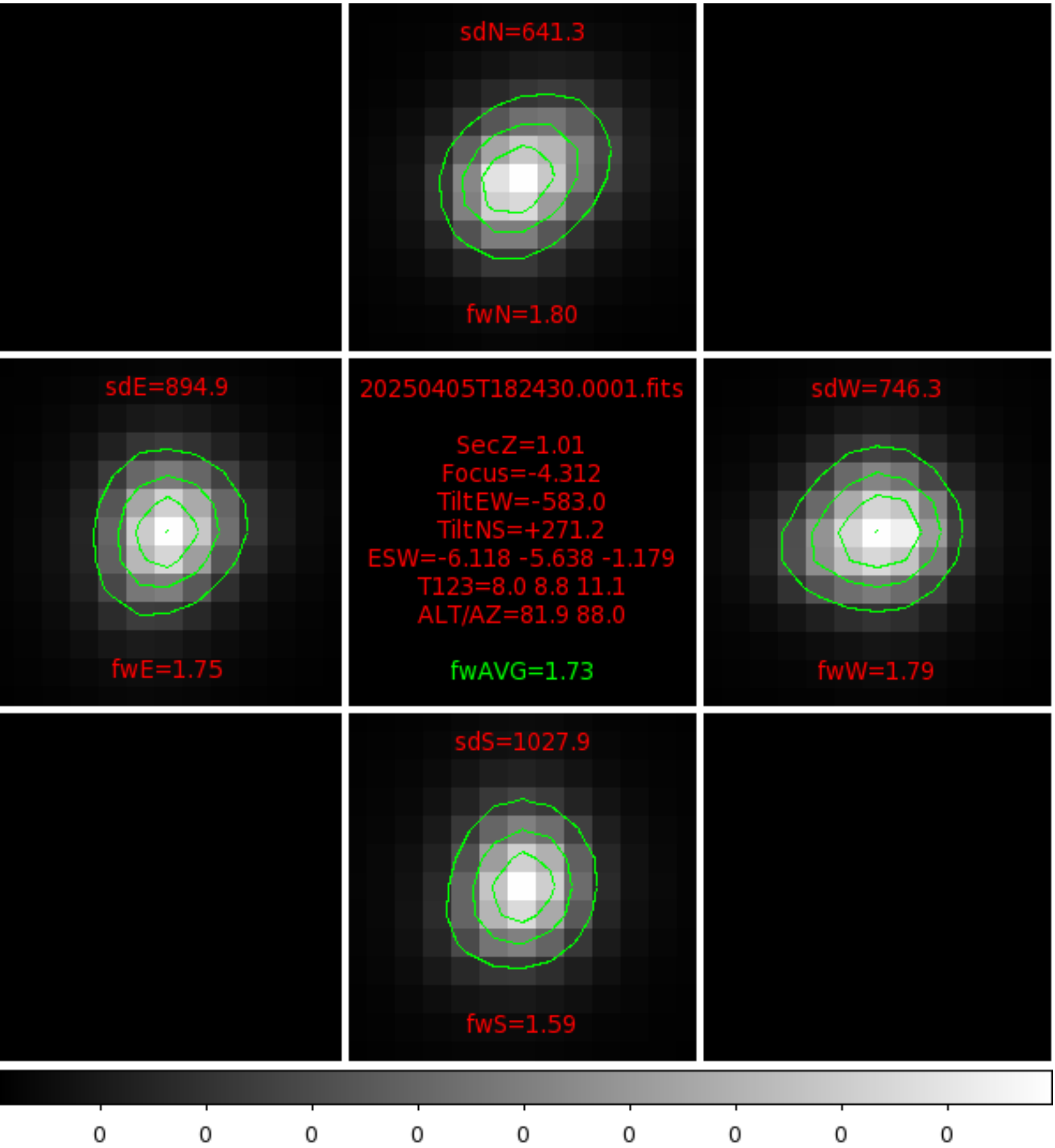
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TiltNS=+271.2
ESW=-6.118 -5.638 -1.179
T123=8.0 8.8 11.1
ALT/AZ=81.9 88.0
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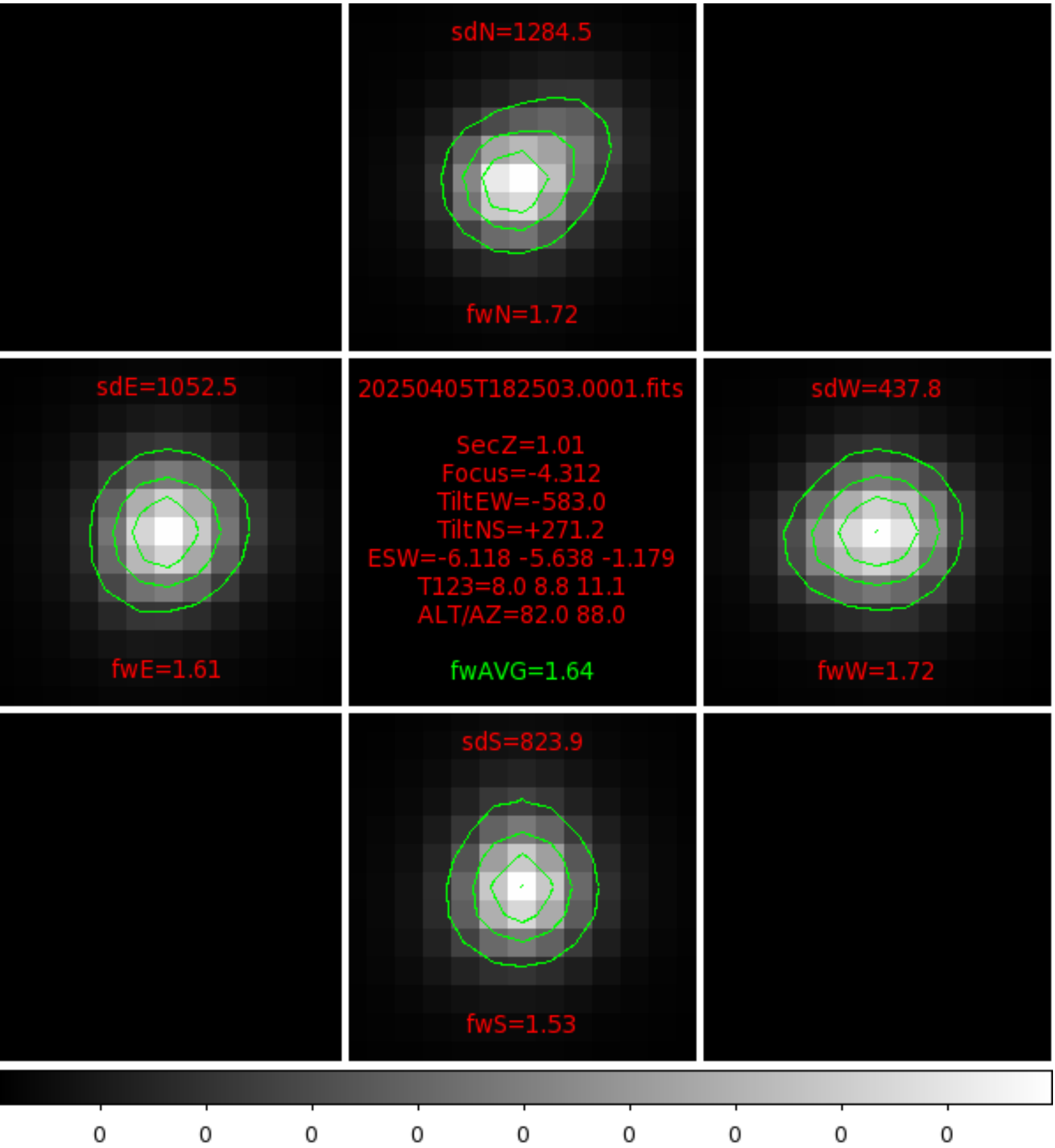
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SecZ=1.01
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TiltNS=+271.2
ESW=-6.118 -5.638 -1.179
T123=8.0 8.8 11.1
ALT/AZ=82.0 88.0
fwAVG=1.64
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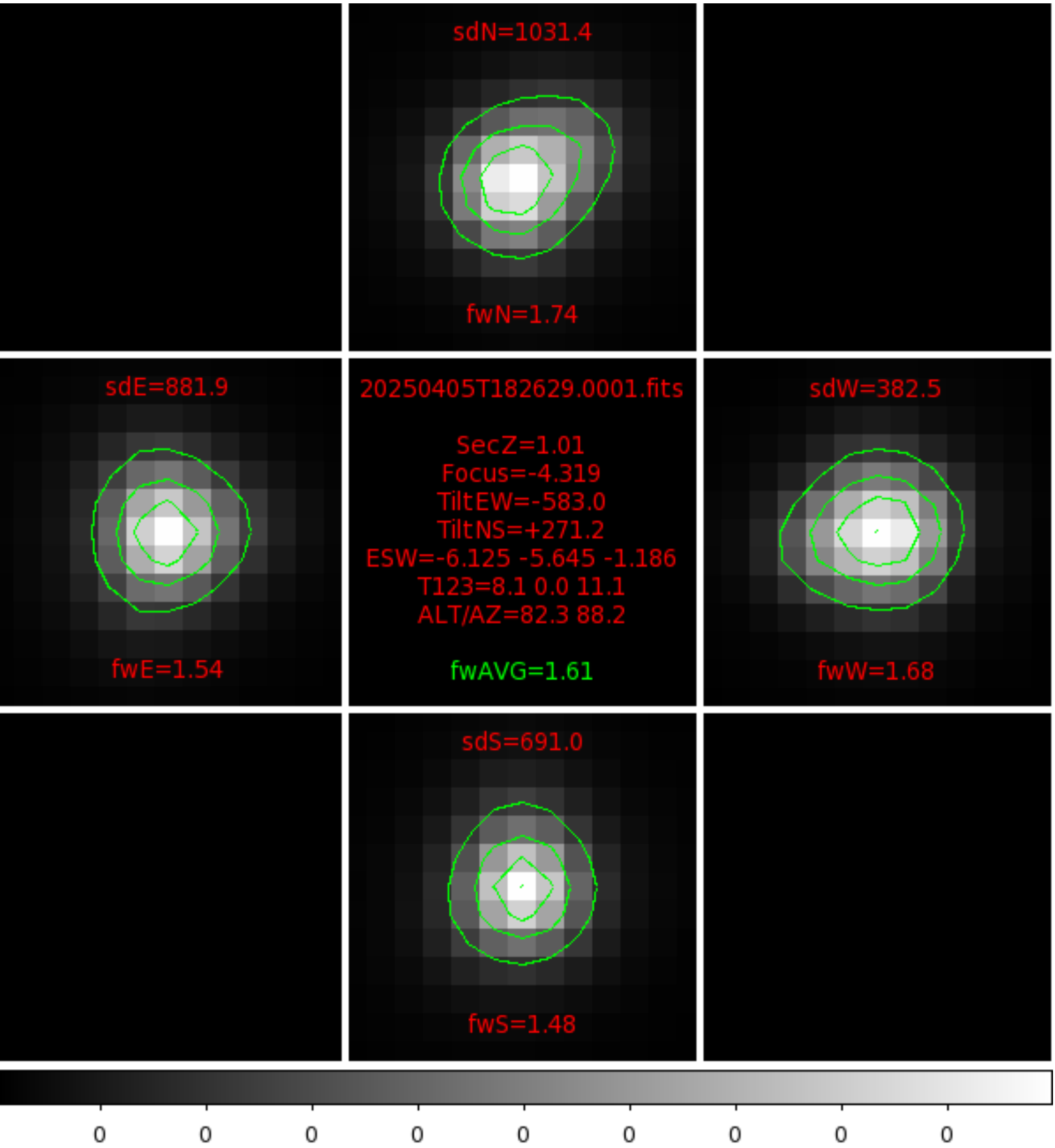
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SecZ=1.01
Focus=-4.319
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.1 0.0 11.1
ALT/AZ=82.3 88.2
fwAVG=1.61
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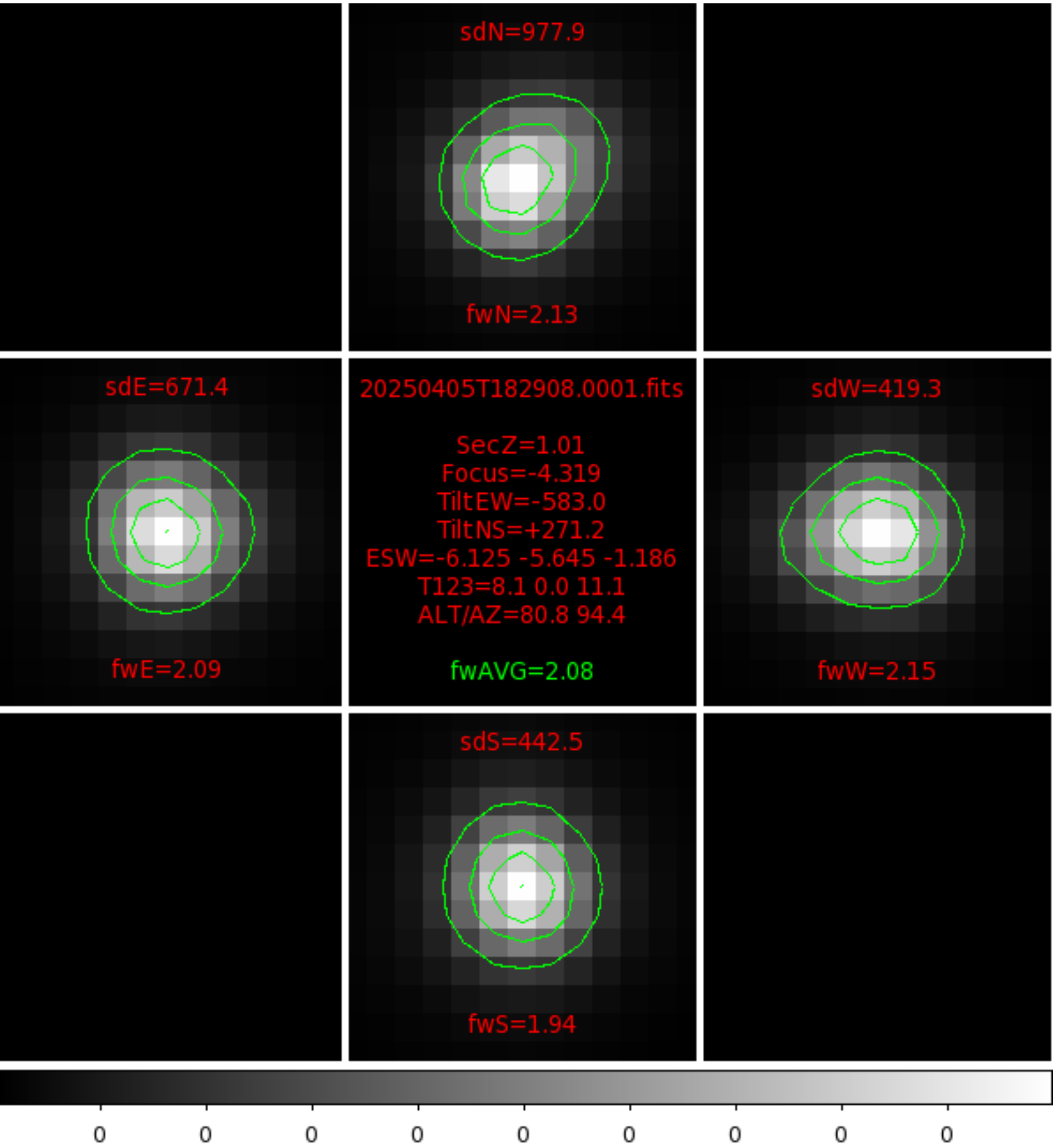
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TiltEW=-583.0
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ESW=-6.125 -5.645 -1.186
T123=8.1 0.0 11.1
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fwAVG=2.08
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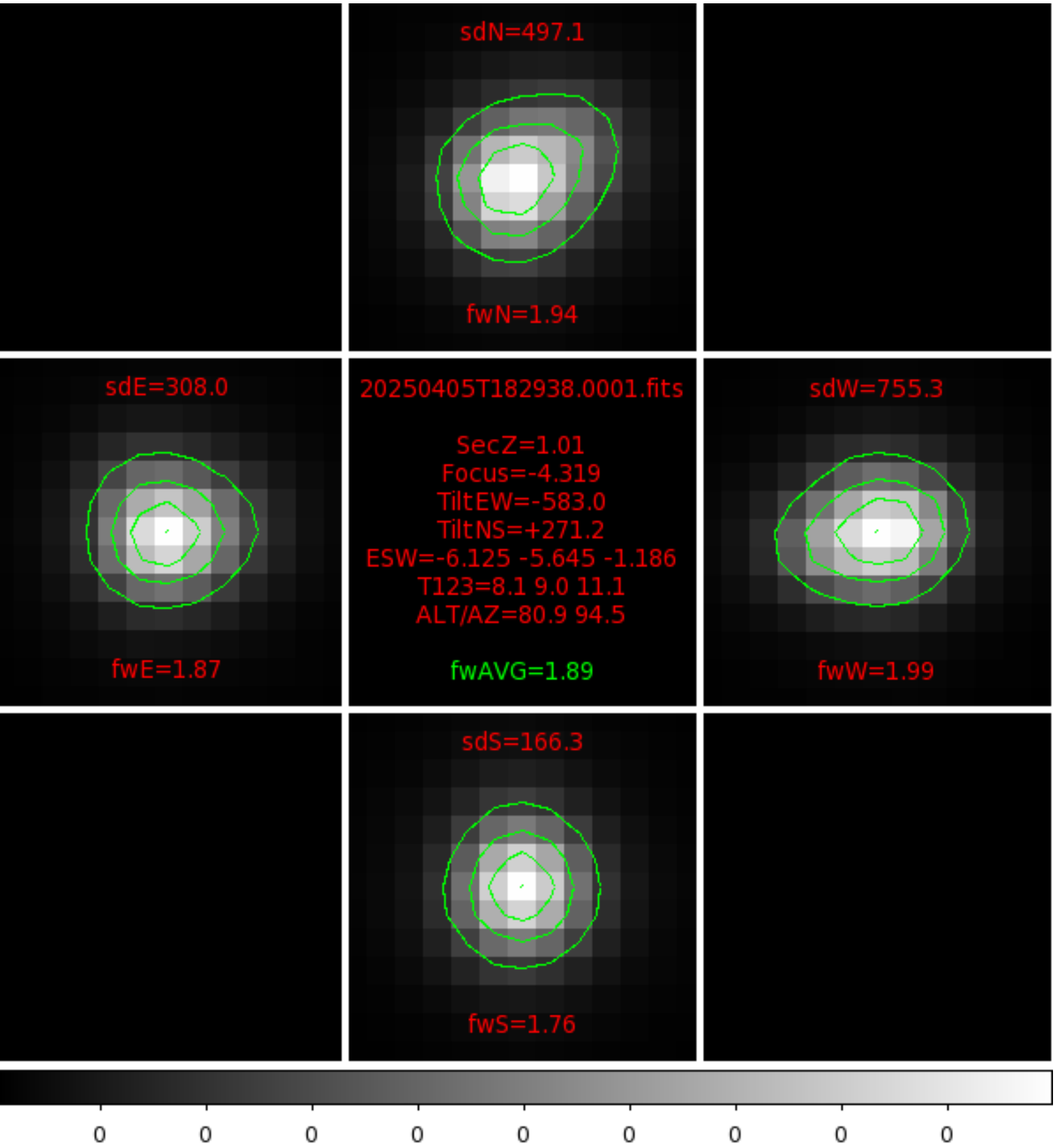
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SecZ=1.01
Focus=-4.319
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.1 9.0 11.1
ALT/AZ=80.9 94.5
fwAVG=1.89
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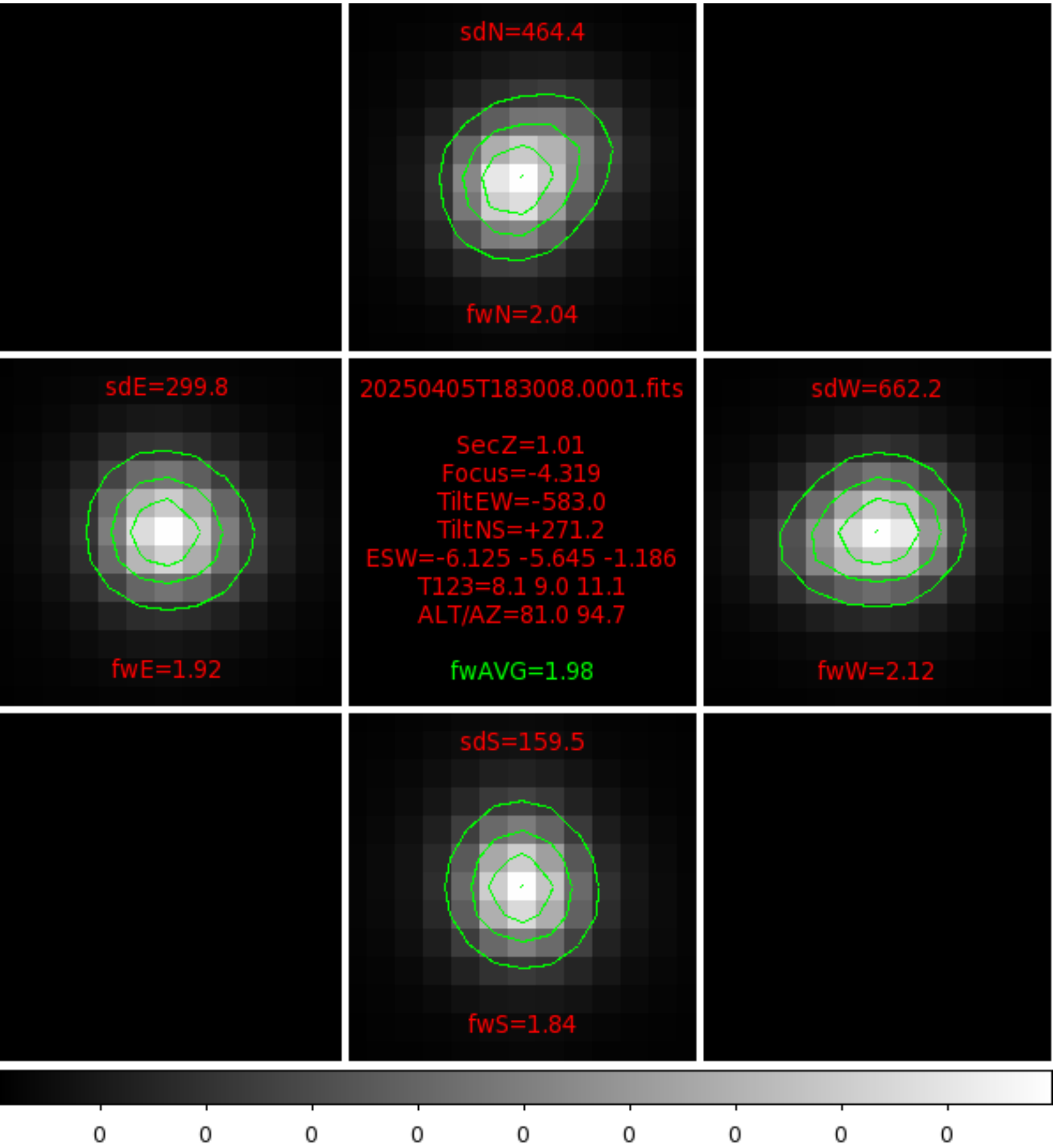
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.1 9.0 11.1
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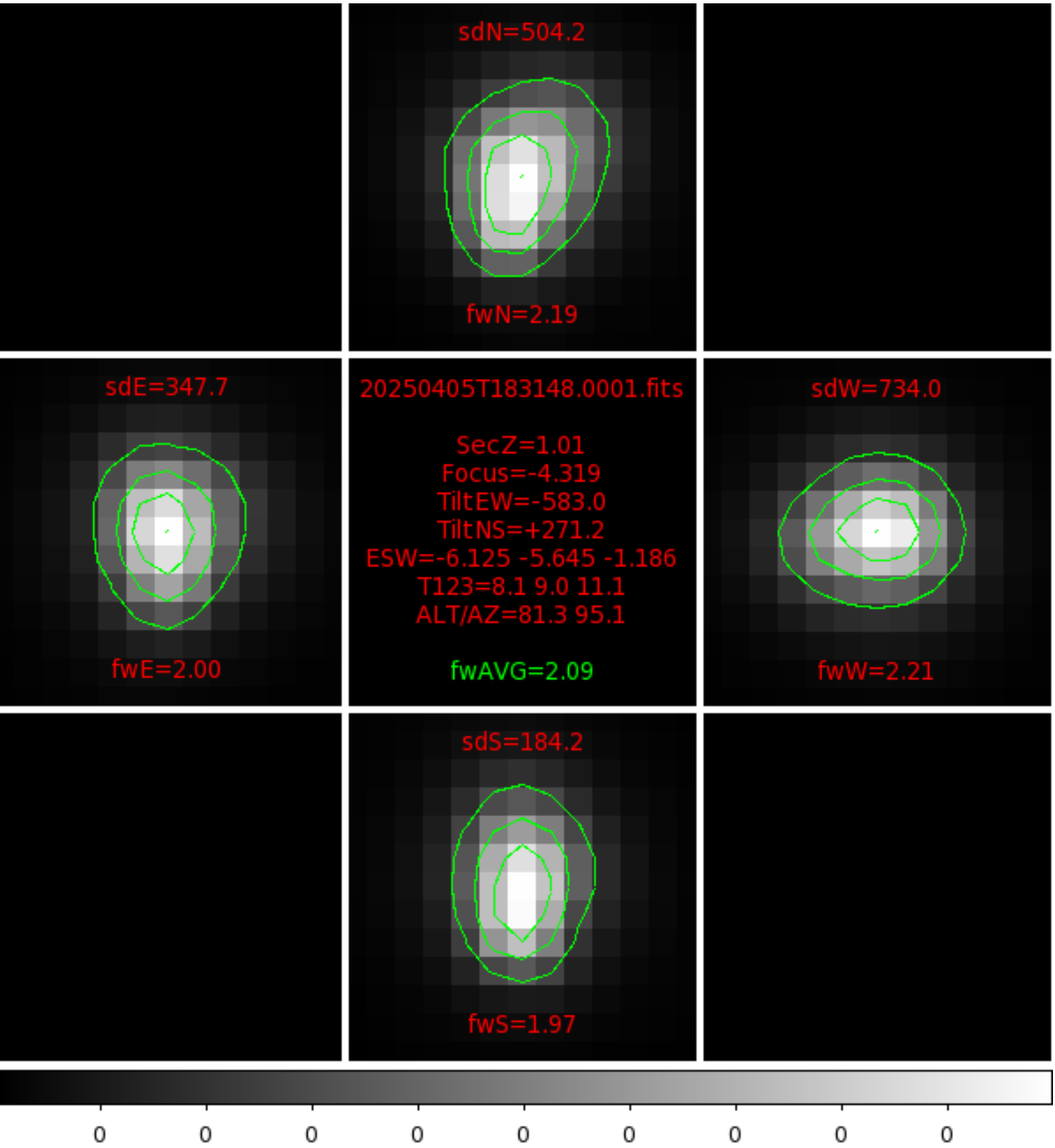
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SecZ=1.01
Focus=-4.319
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.1 9.0 11.1
ALT/AZ=81.3 95.1
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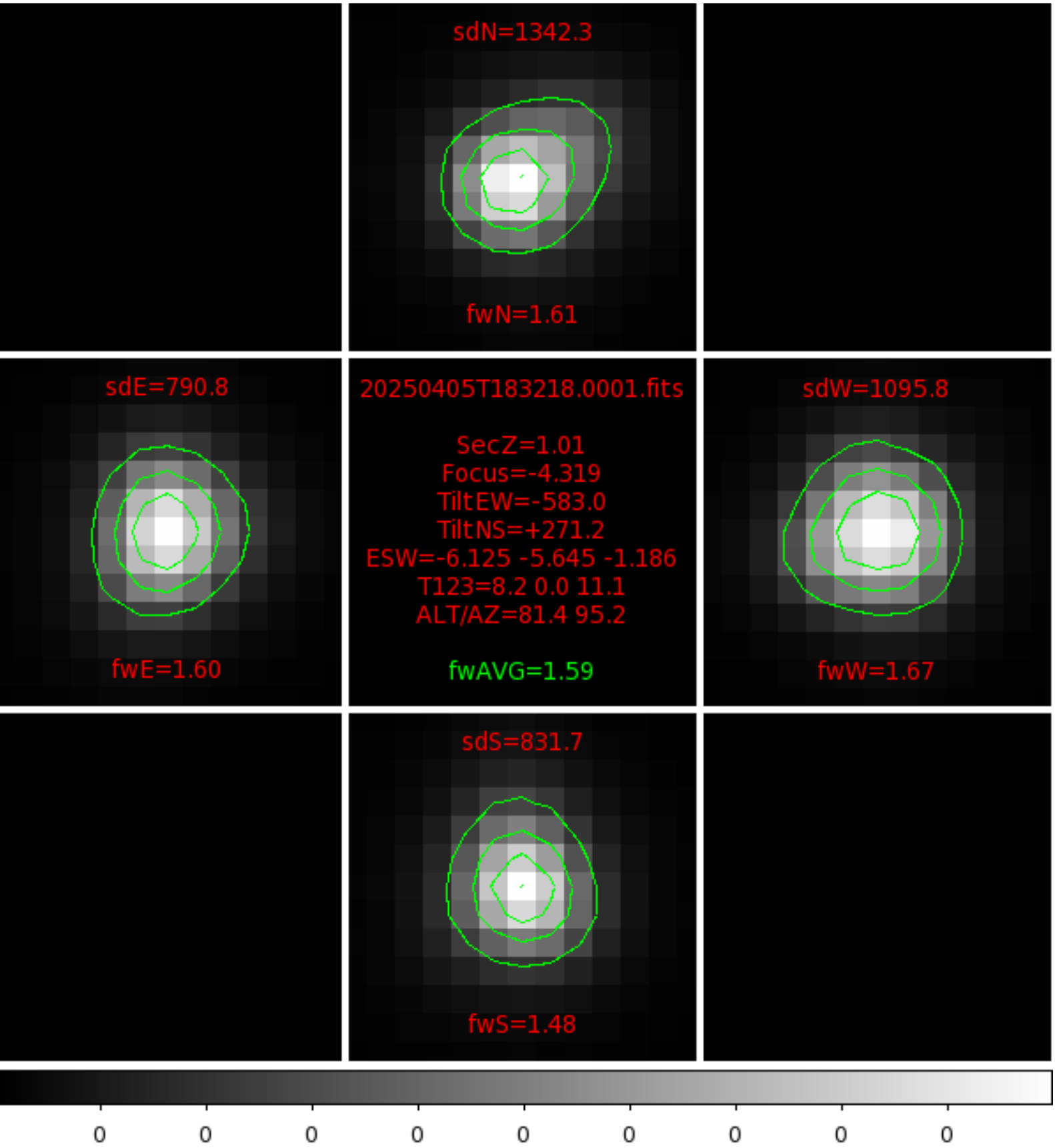
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SecZ=1.01
Focus=-4.319
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.2 0.0 11.1
ALT/AZ=81.4 95.2
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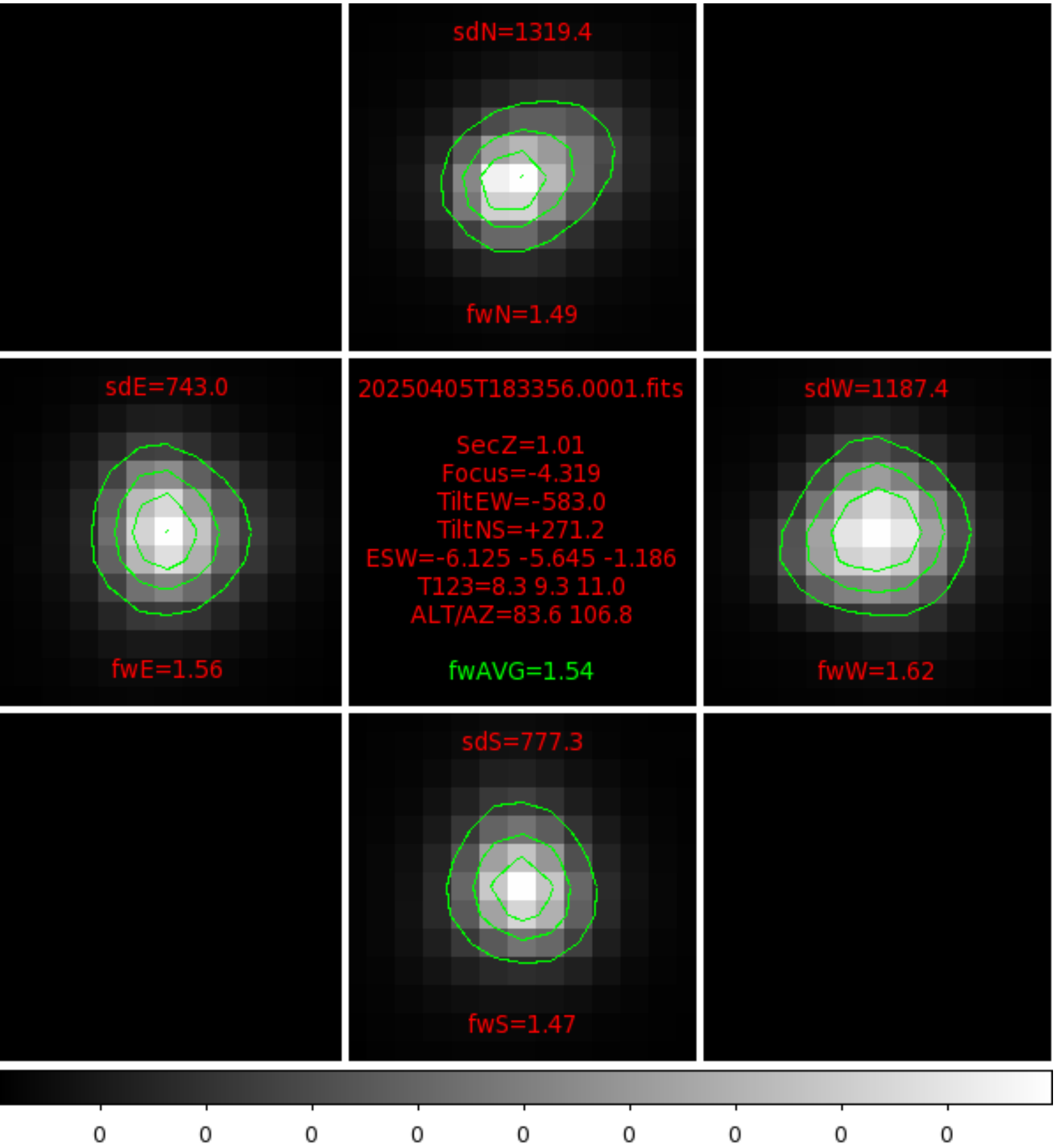
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.3 9.3 11.0
ALT/AZ=83.6 106.8
fwAVG=1.54
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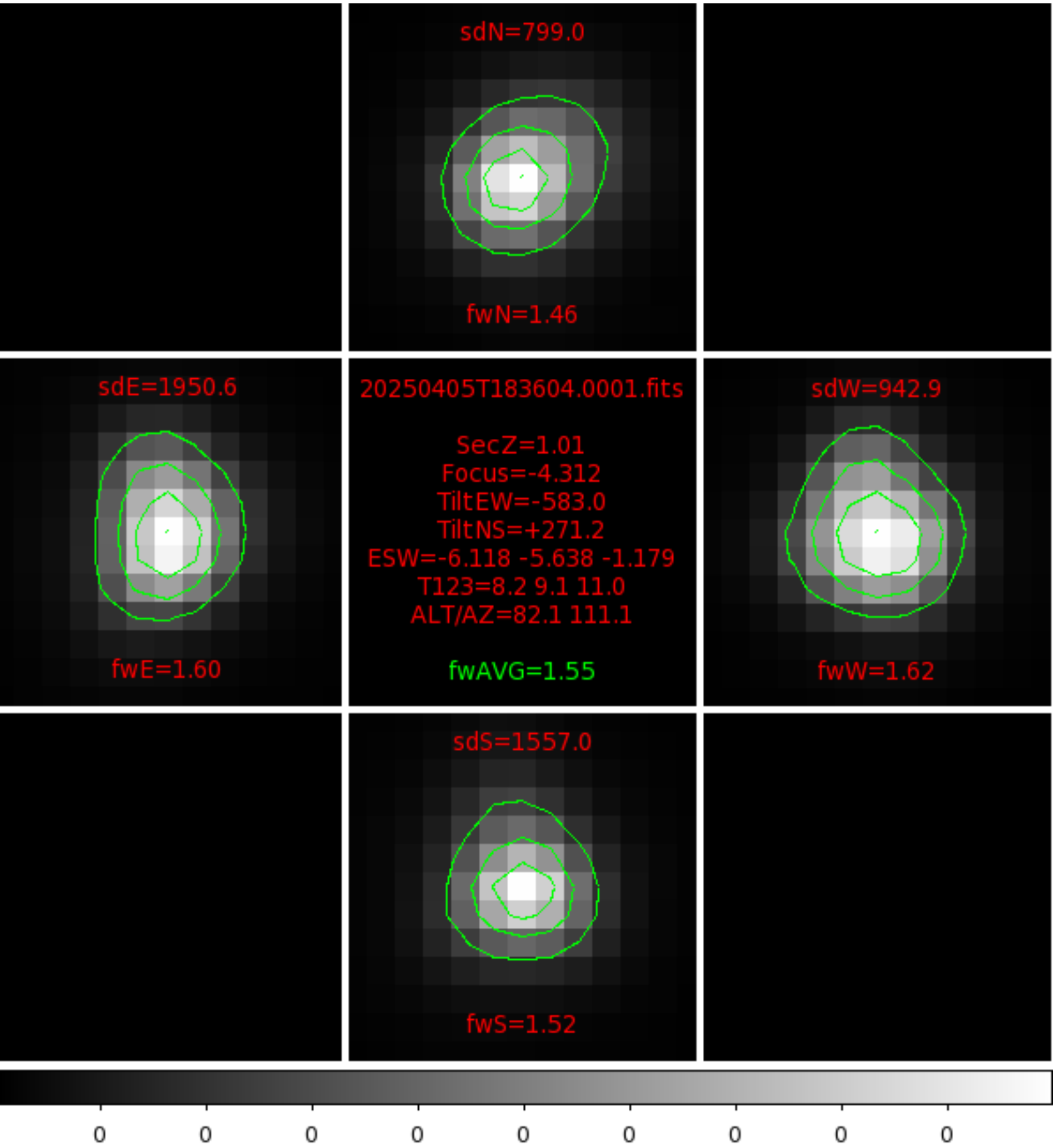
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TiltNS=+271.2
ESW=-6.118 -5.638 -1.179
T123=8.2 9.1 11.0
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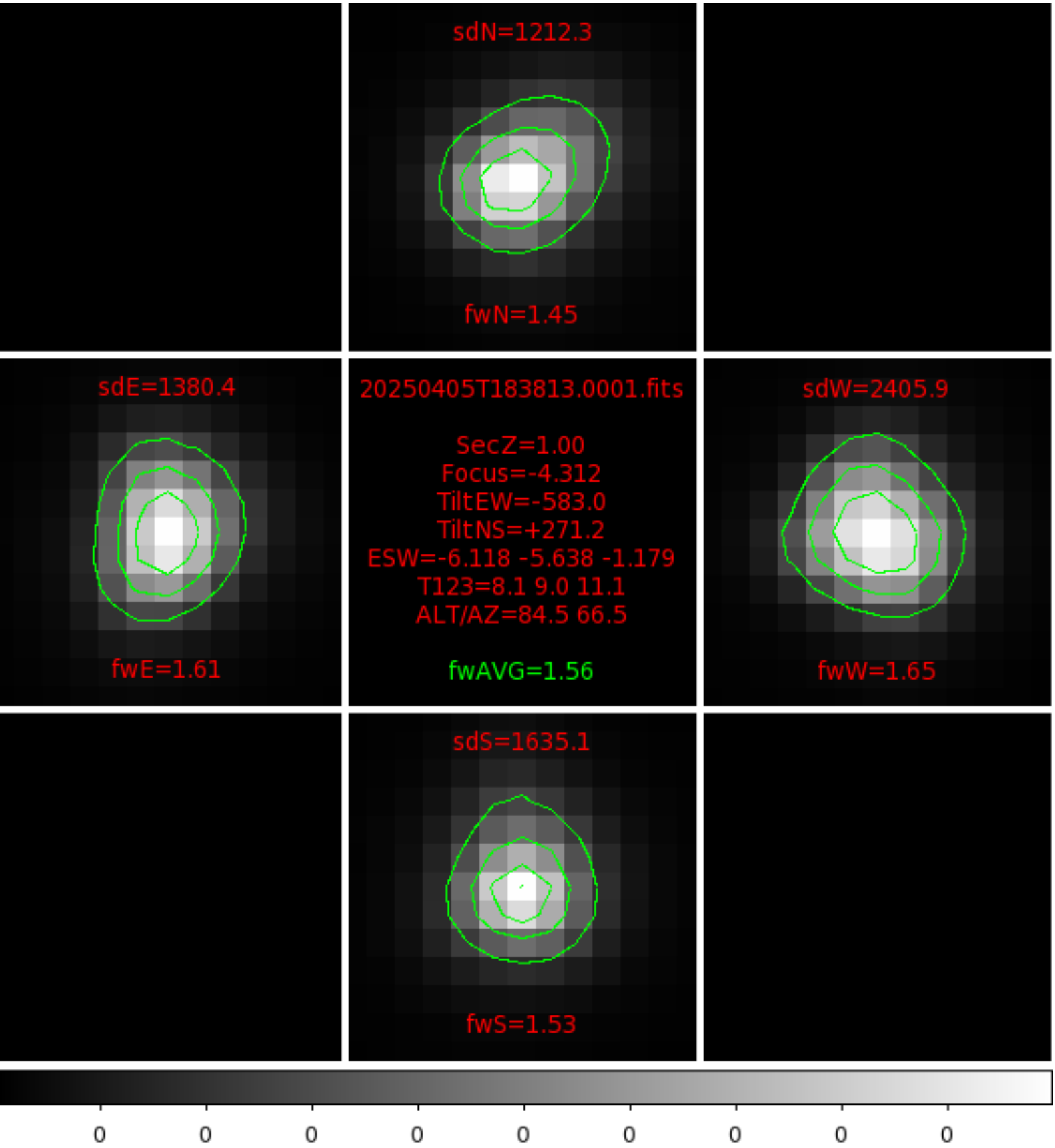
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TiltNS=+271.2
ESW=-6.118 -5.638 -1.179
T123=8.1 9.0 11.1
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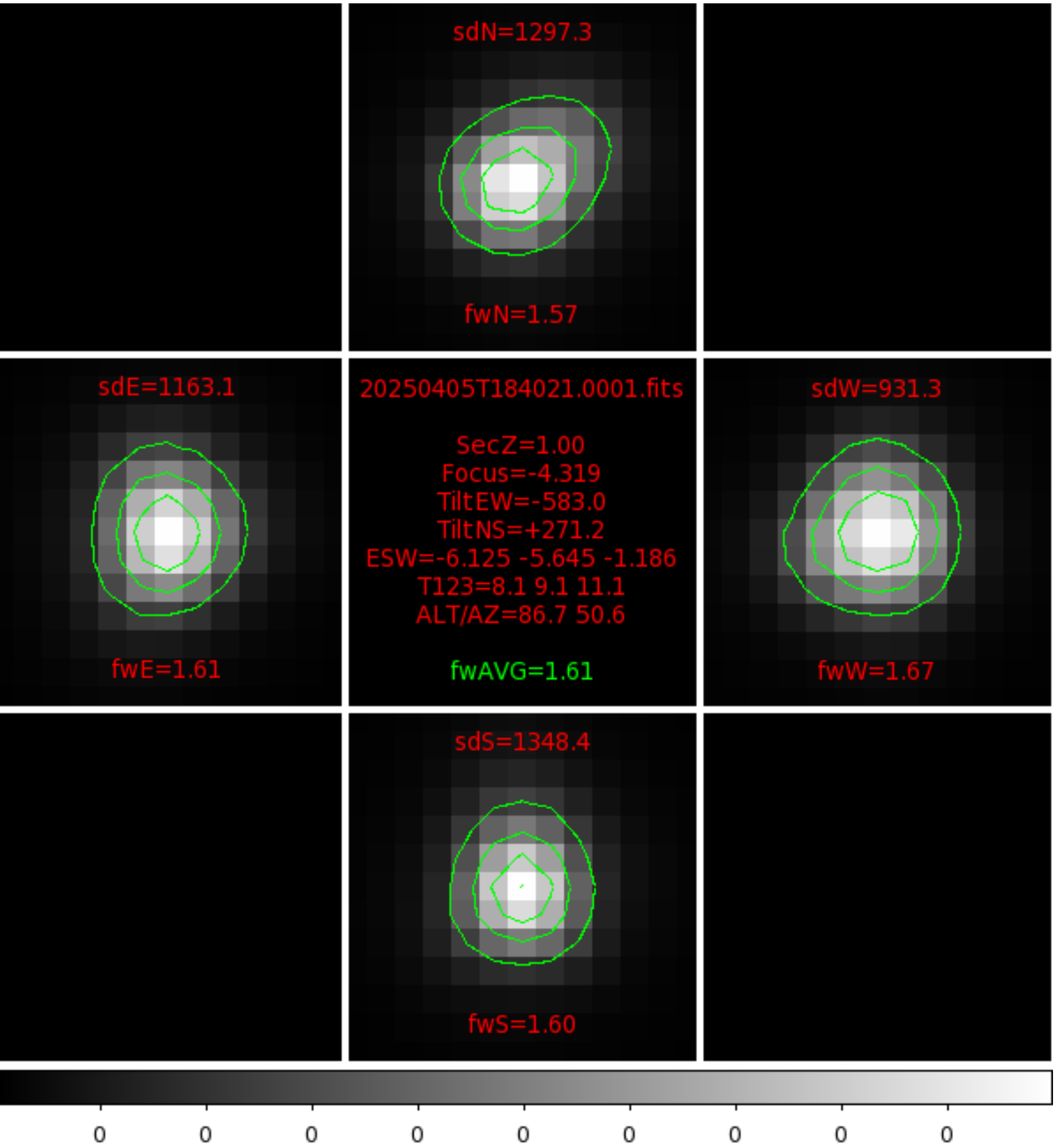
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TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.1 9.1 11.1
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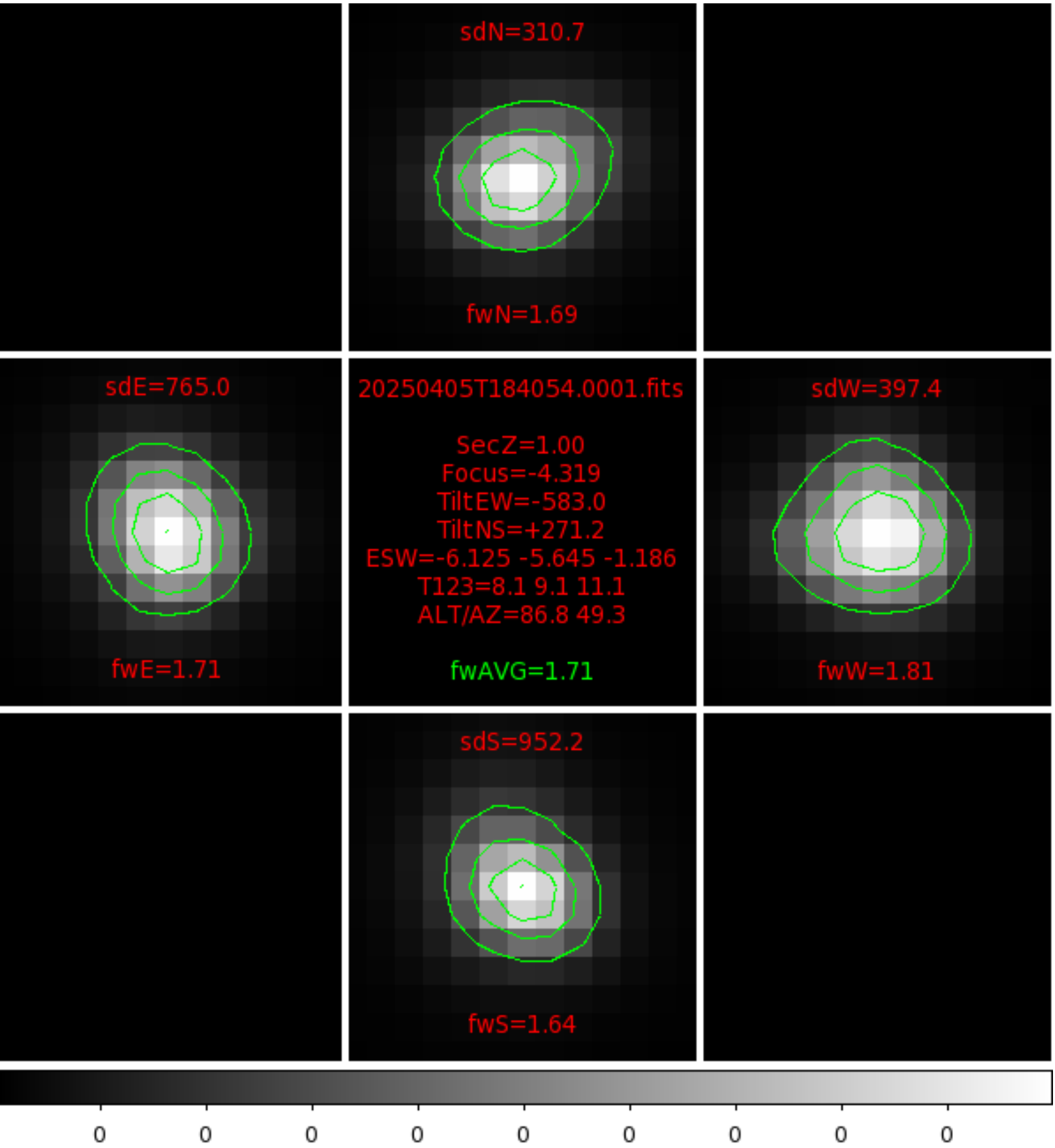
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T123=8.1 9.1 11.1
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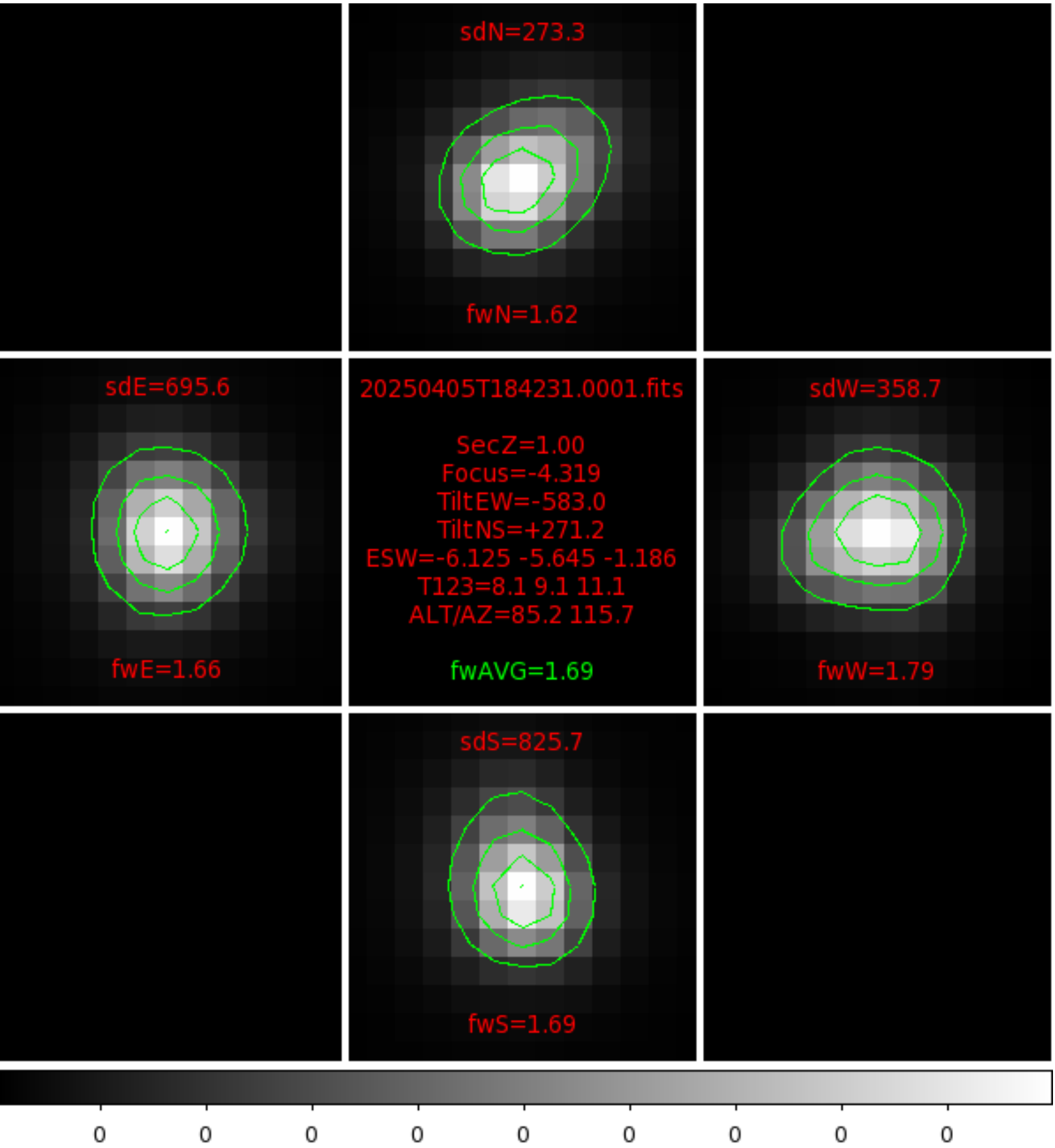
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T123=8.1 9.1 11.1
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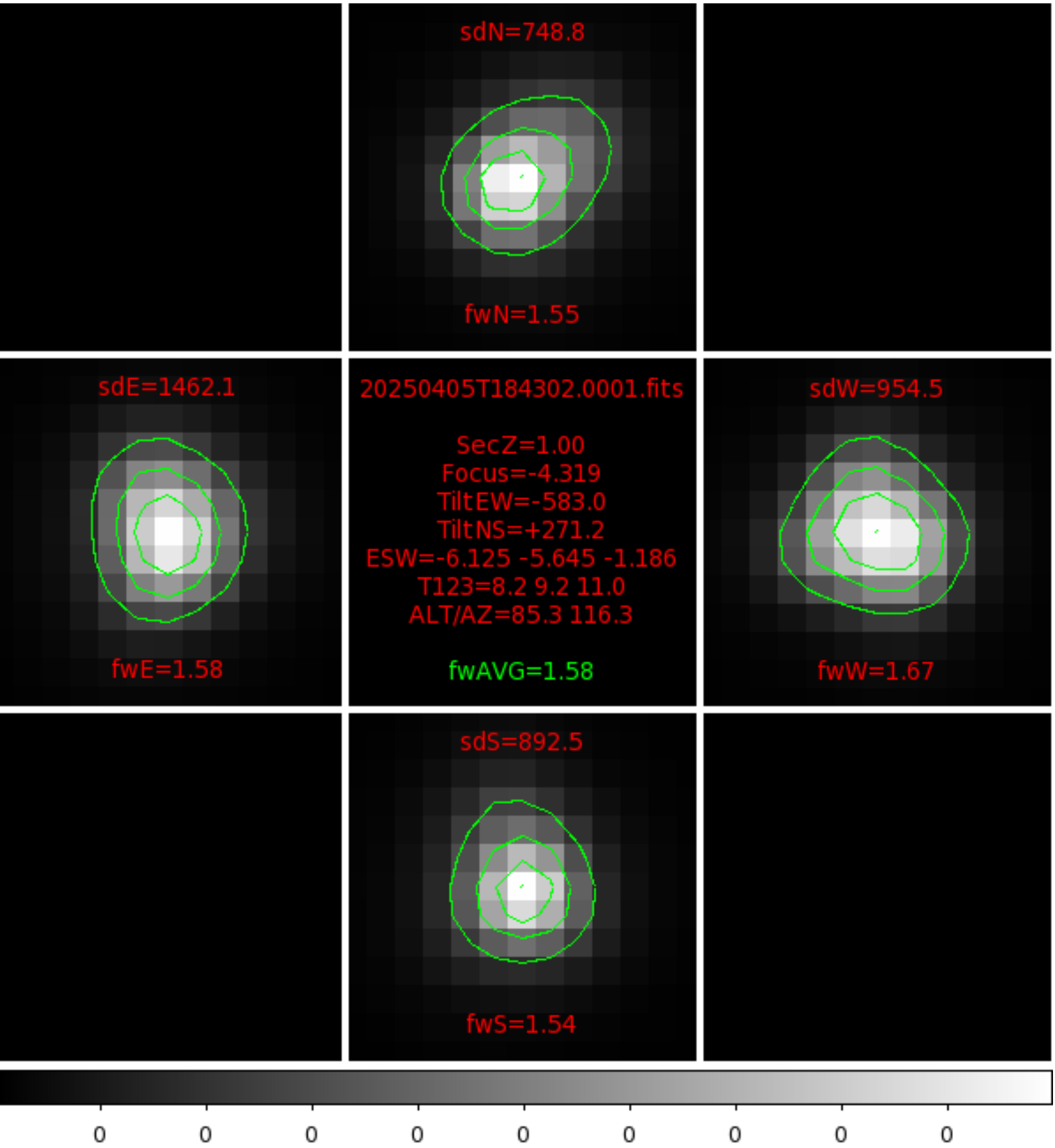
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ESW=-6.125 -5.645 -1.186
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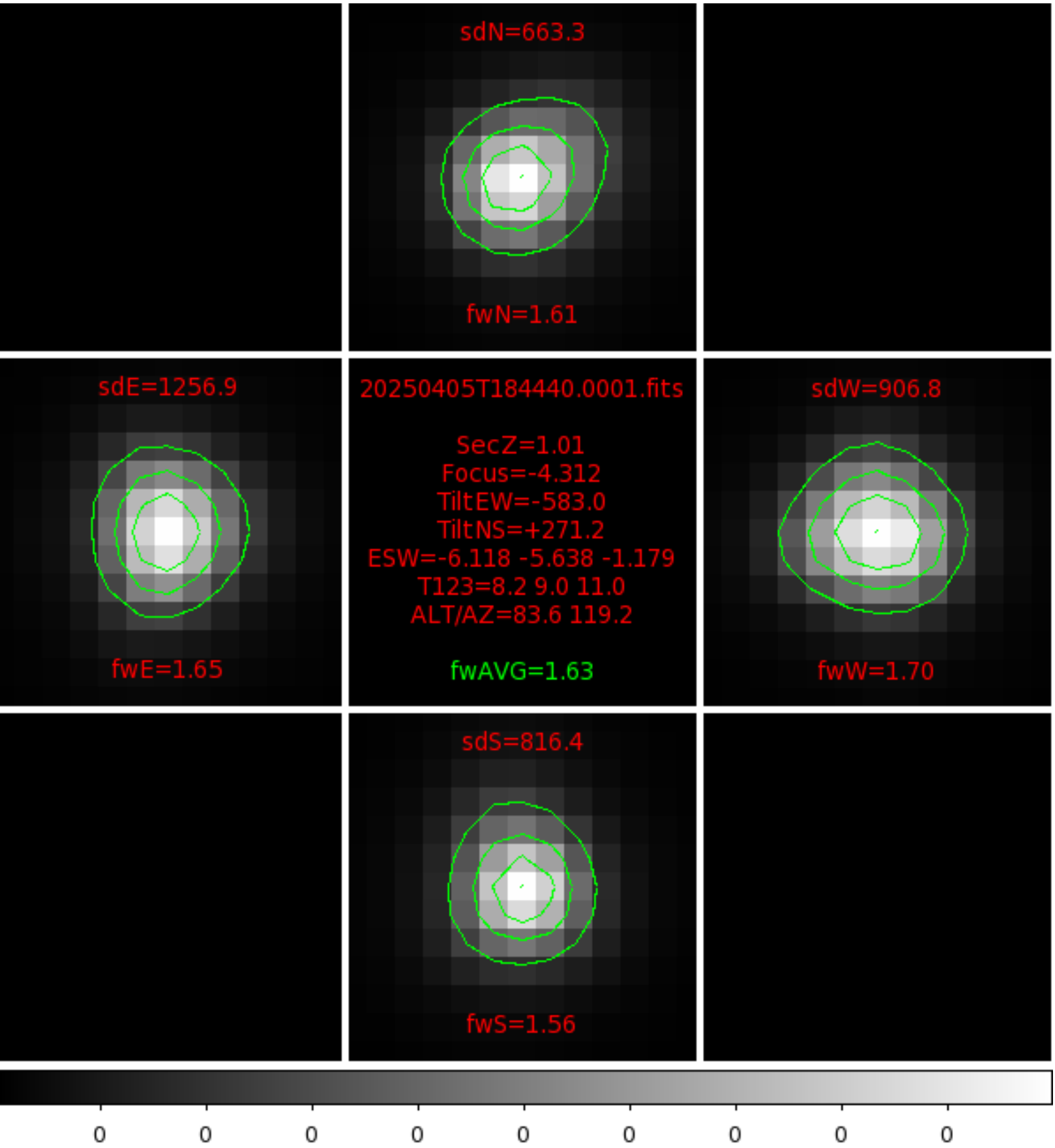
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TiltNS=+271.2
ESW=-6.118 -5.638 -1.179
T123=8.2 9.0 11.0
ALT/AZ=83.6 119.2
fwAVG=1.63
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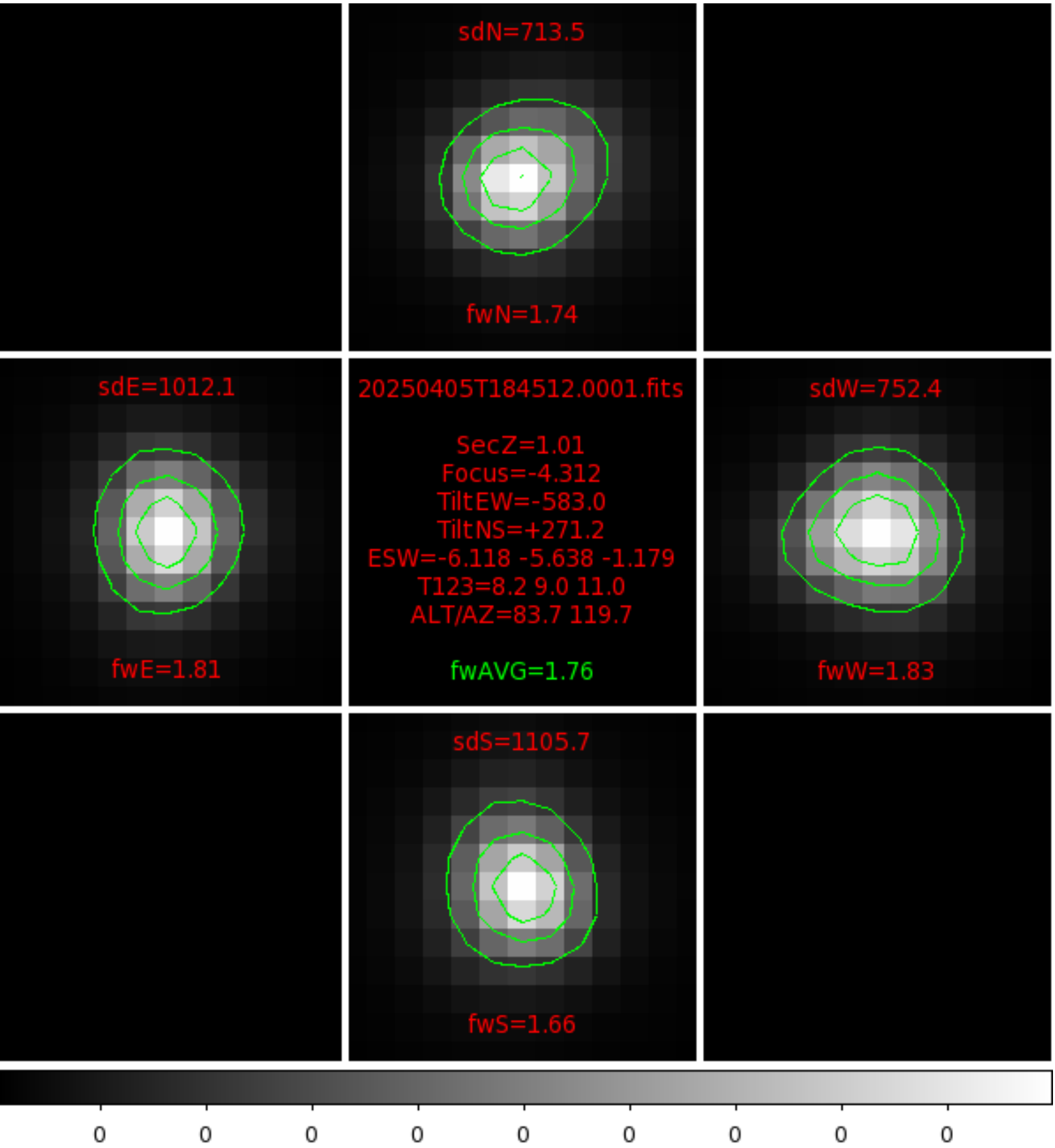
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TiltNS=+271.2
ESW=-6.118 -5.638 -1.179
T123=8.2 9.0 11.0
ALT/AZ=83.7 119.7
fwAVG=1.76
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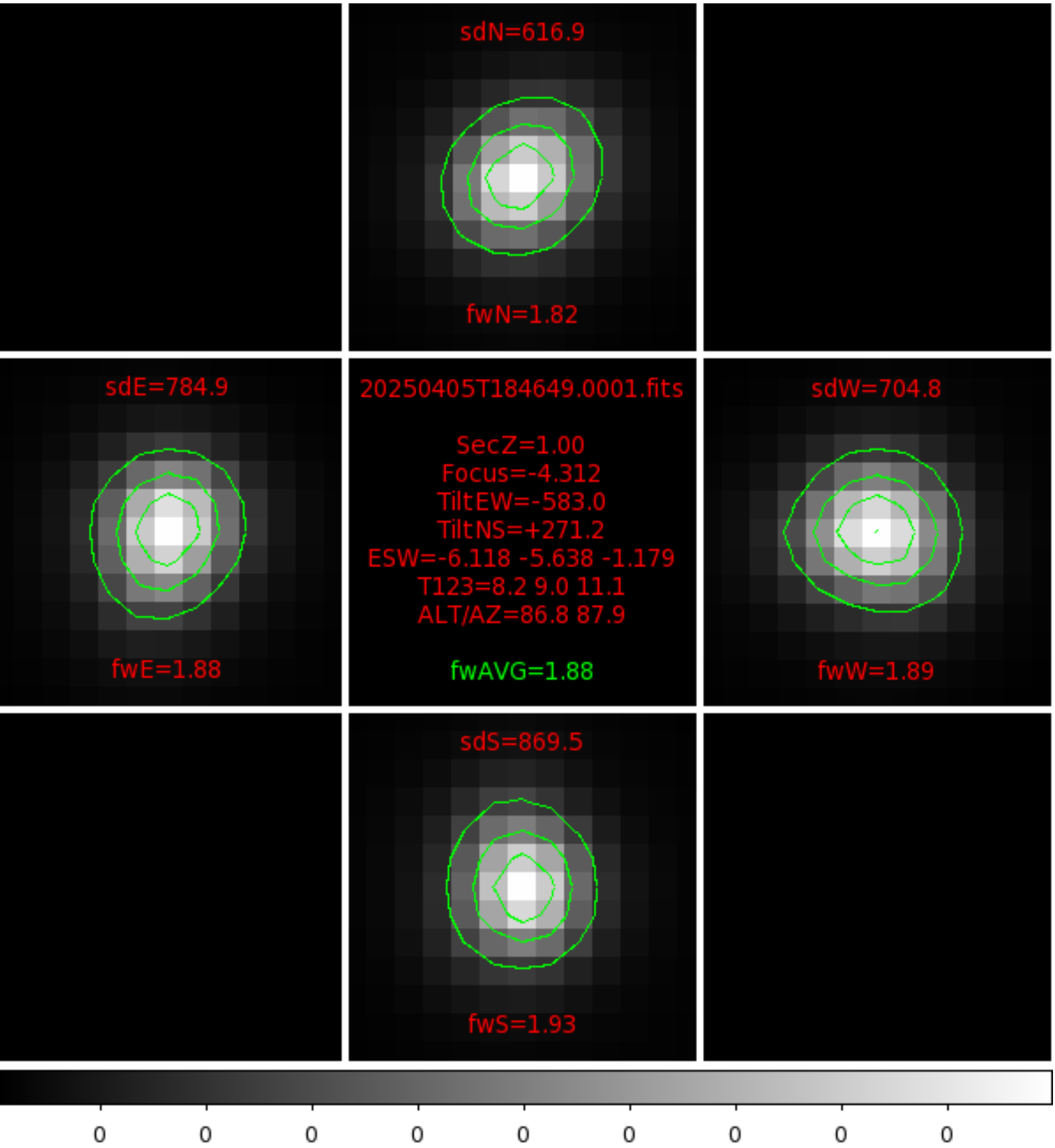
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TiltNS=+271.2
ESW=-6.118 -5.638 -1.179
T123=8.2 9.0 11.1
ALT/AZ=86.8 87.9
fwAVG=1.88
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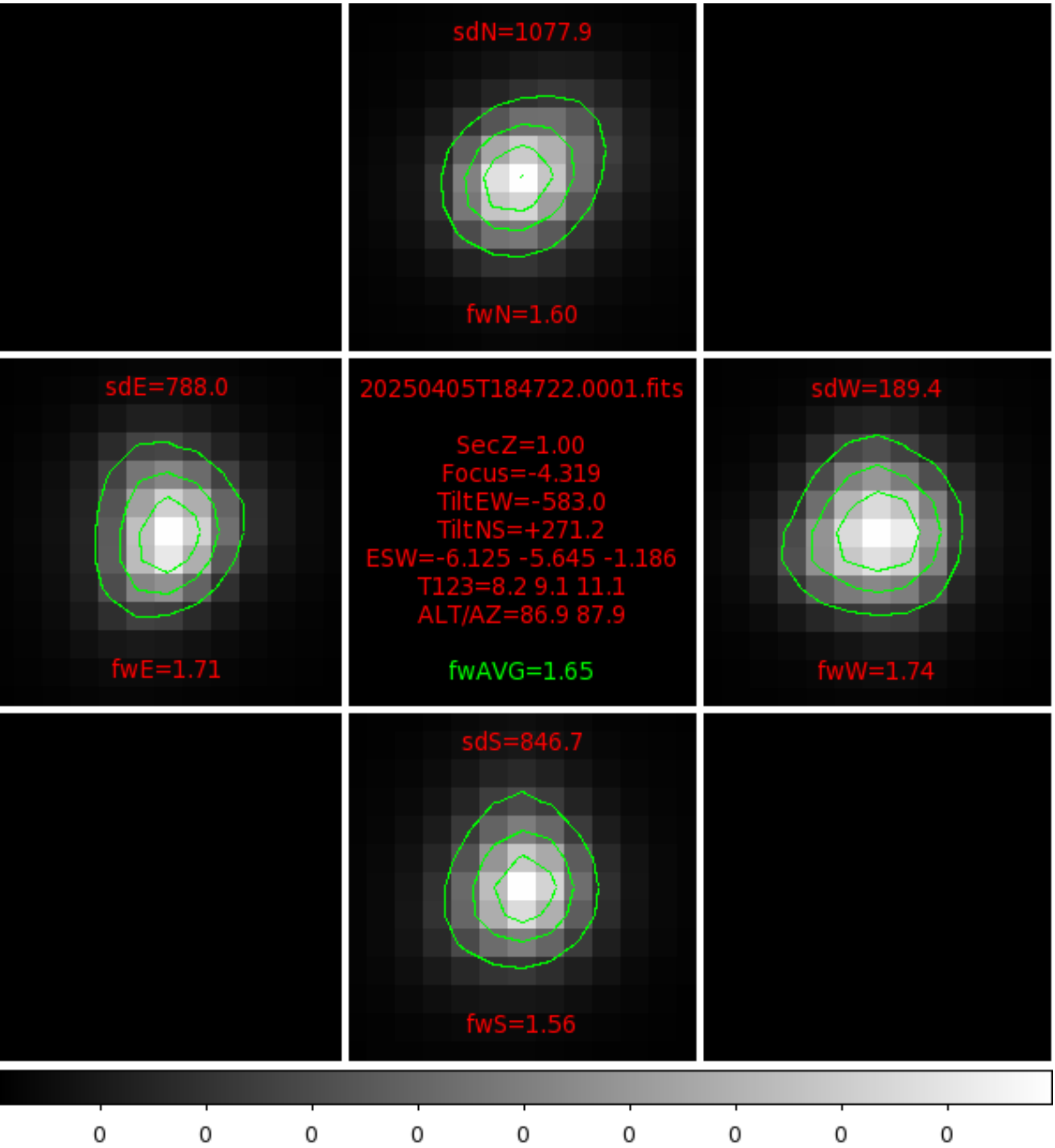
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TiltEW=-583.0
TiltNS=+271.2
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T123=8.2 9.1 11.1
ALT/AZ=86.9 87.9
fwAVG=1.65
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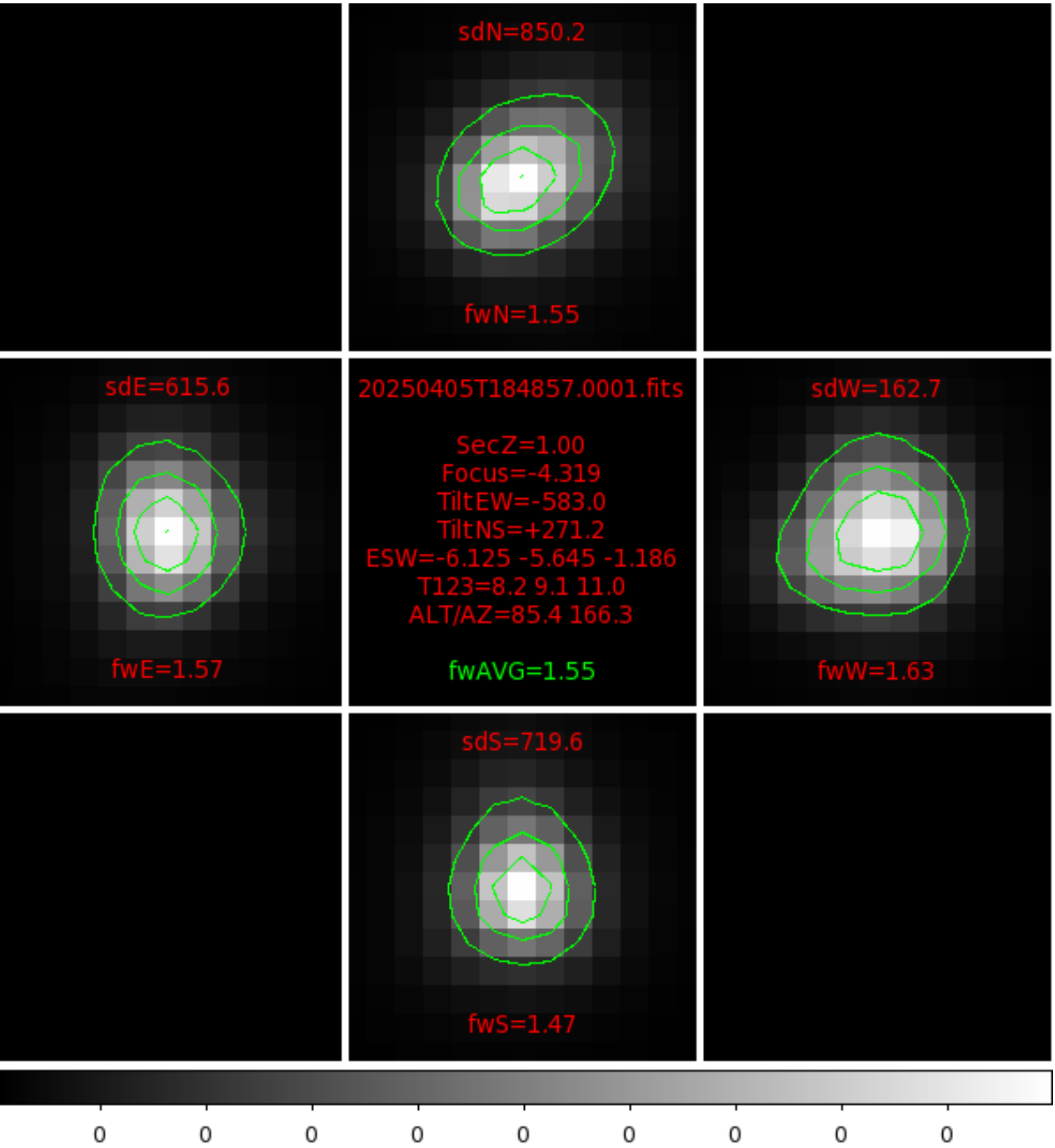
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TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.2 9.1 11.0
ALT/AZ=85.4 166.3
fwAVG=1.55
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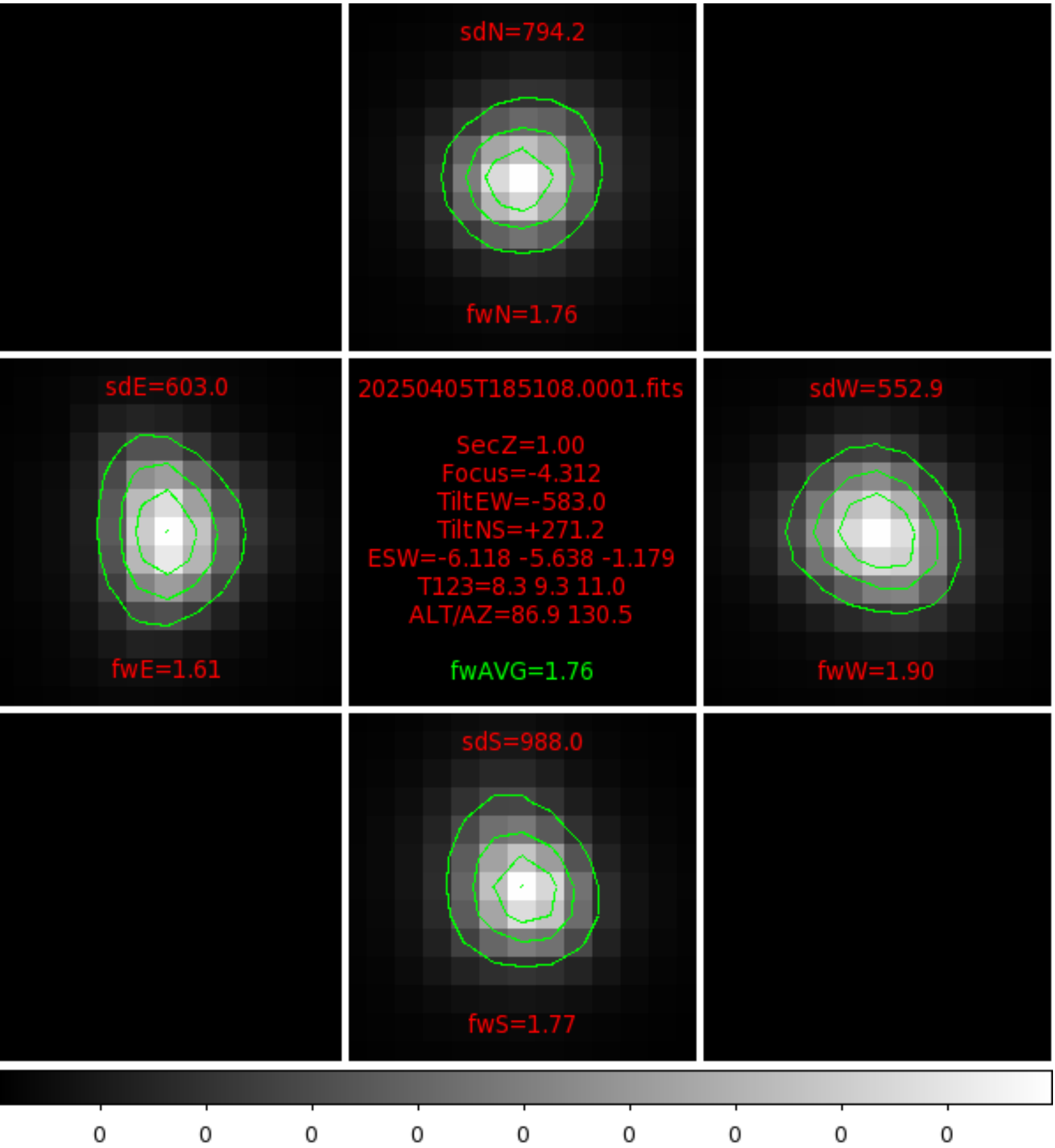
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.118 -5.638 -1.179
T123=8.3 9.3 11.0
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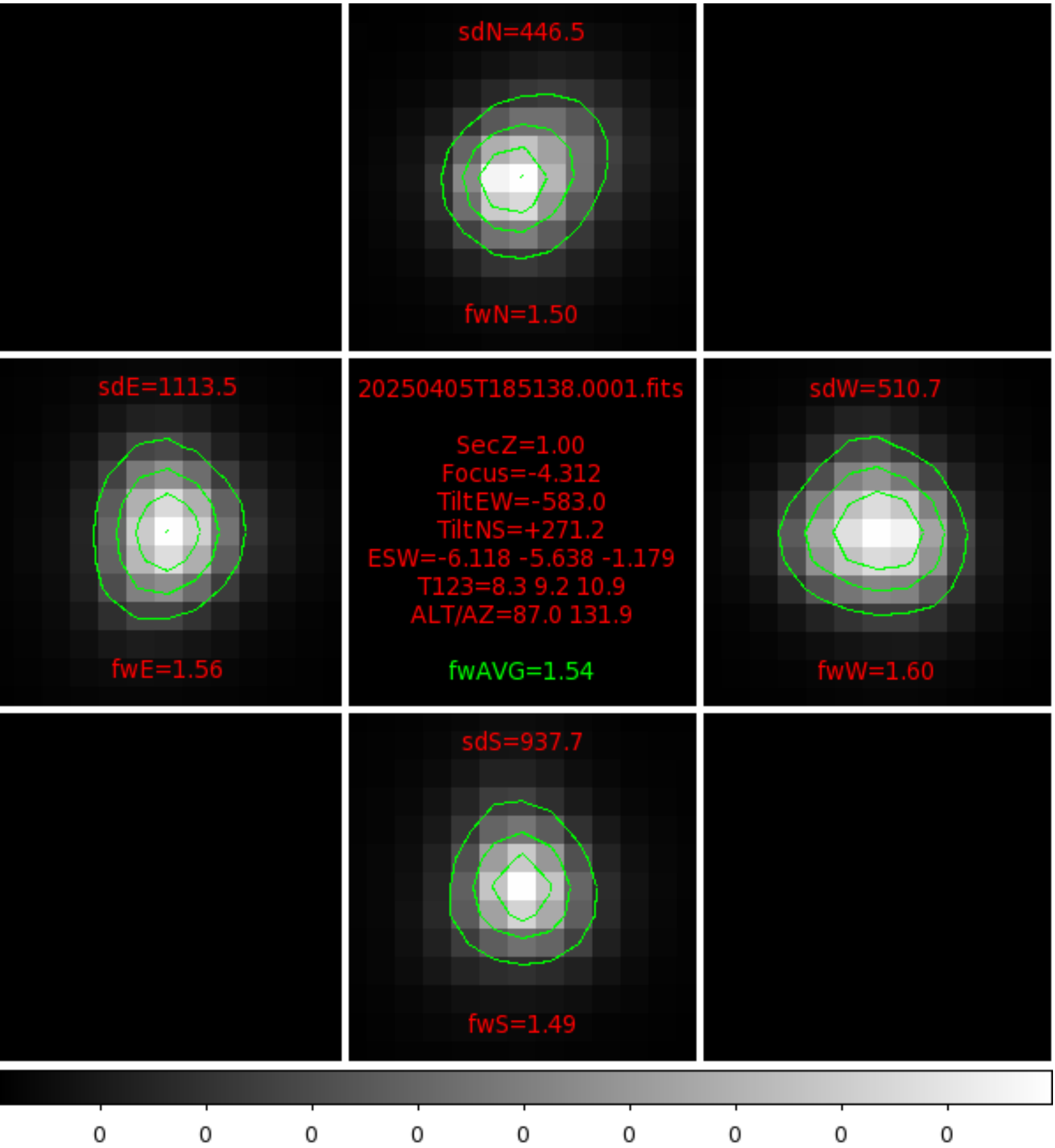
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TiltNS=+271.2
ESW=-6.118 -5.638 -1.179
T123=8.3 9.2 10.9
ALT/AZ=87.0 131.9
fwAVG=1.54
sdW=510.7
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sdS=937.7
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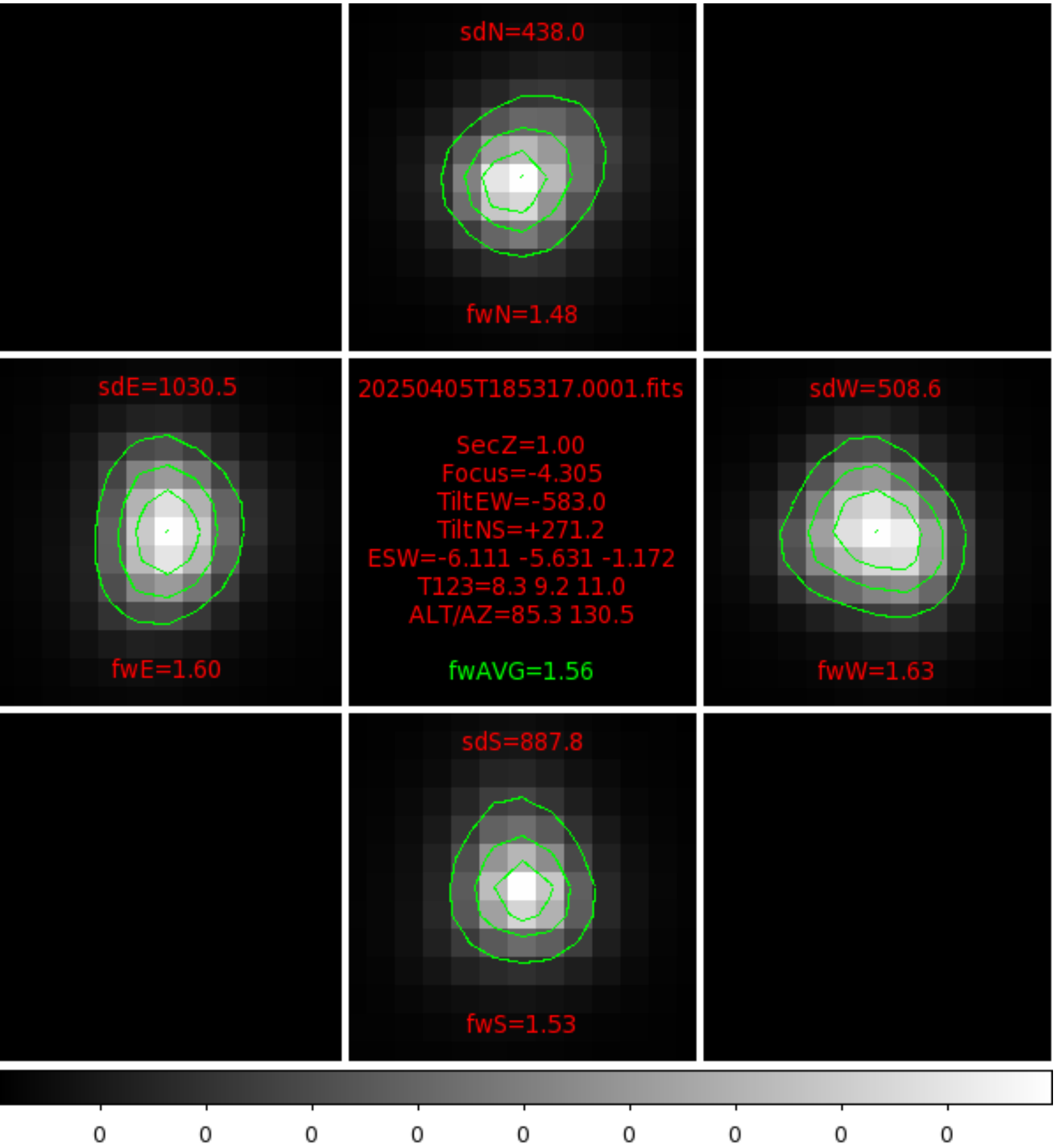
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T123=8.3 9.2 11.0
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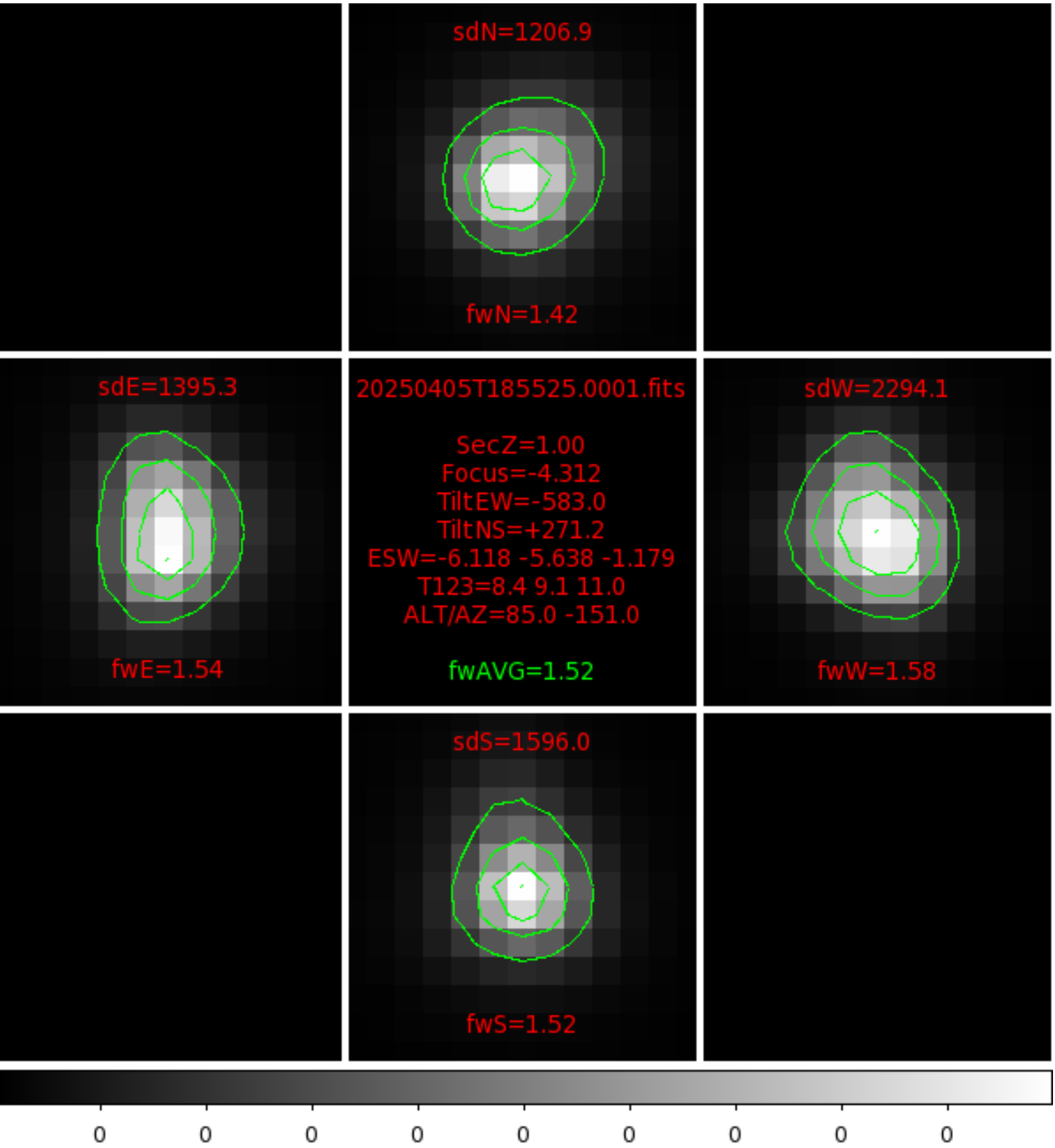
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T123=8.4 9.1 11.0
ALT/AZ=85.0 -151.0
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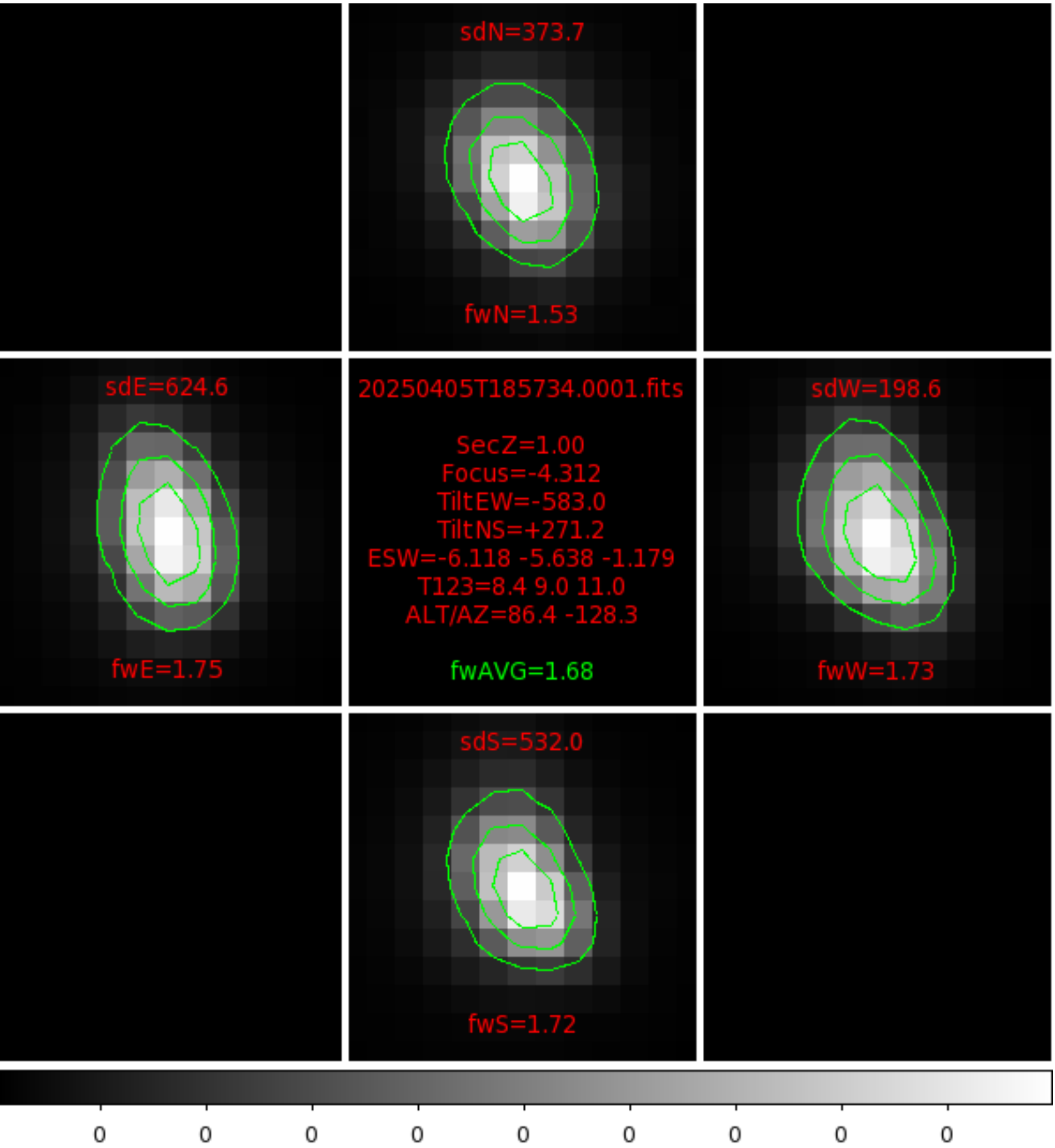
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T123=8.4 9.0 11.0
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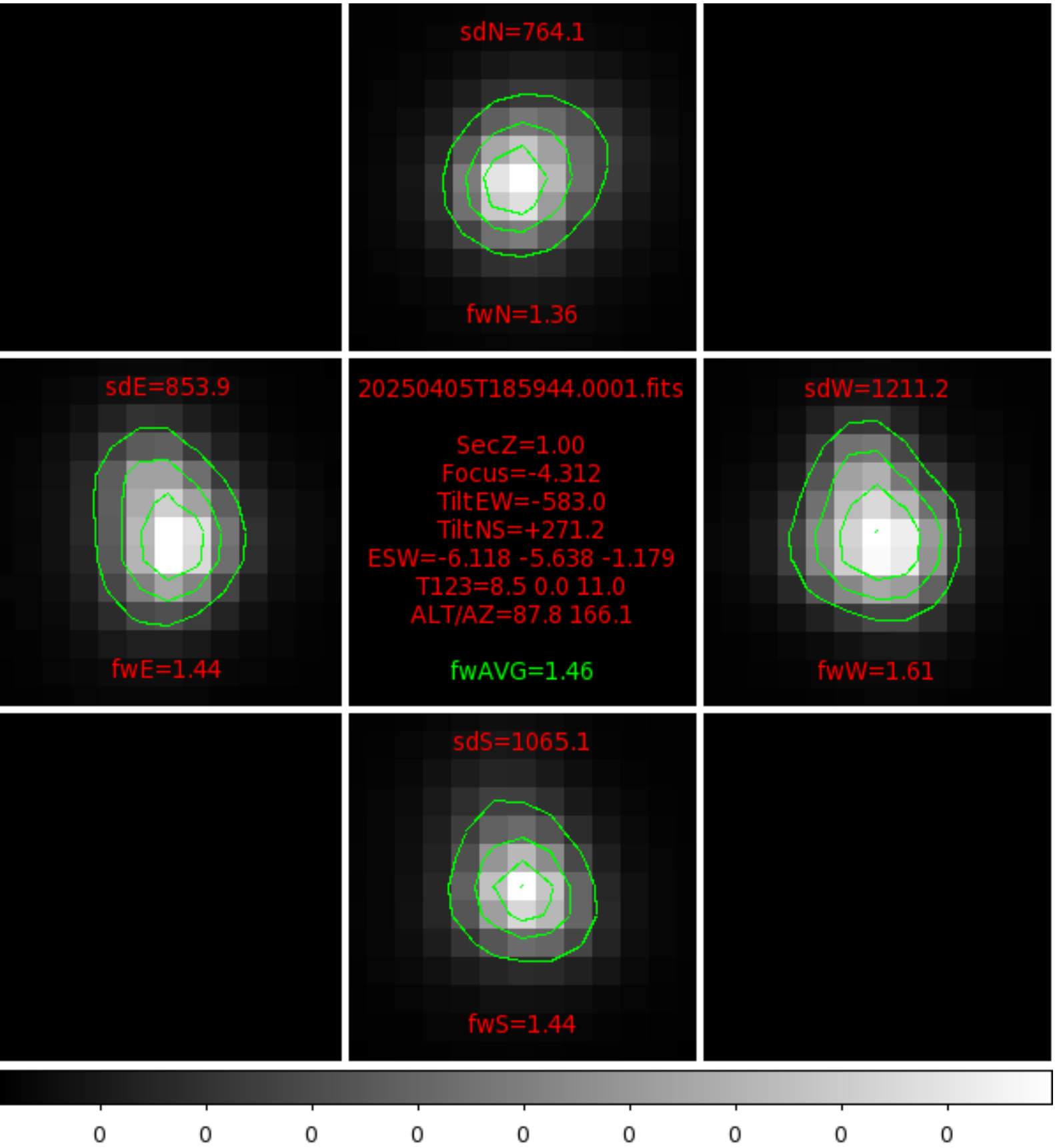
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SecZ=1.00
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TiltNS=+271.2
ESW=-6.118 -5.638 -1.179
T123=8.5 0.0 11.0
ALT/AZ=87.8 166.1
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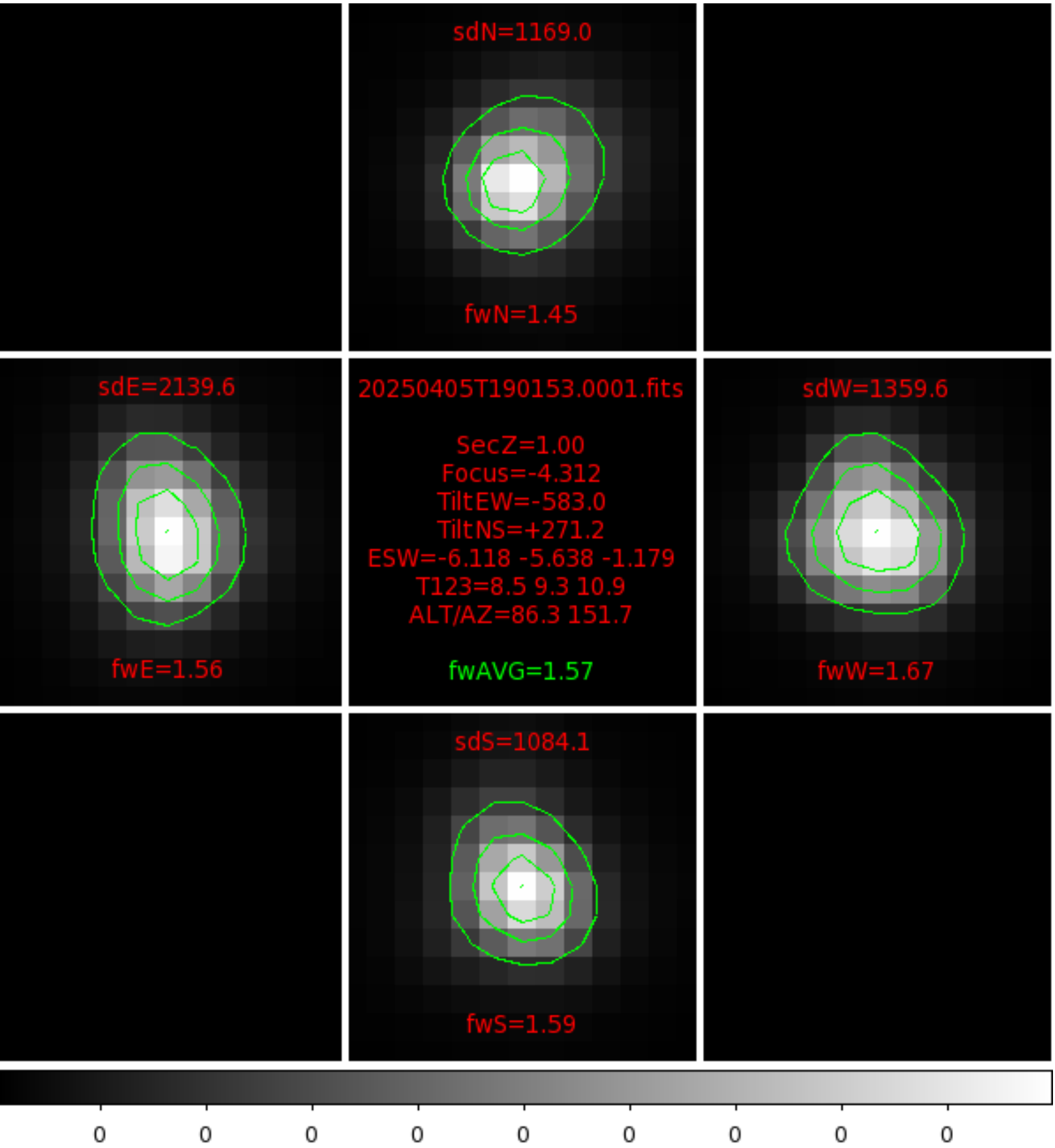
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SecZ=1.00
Focus=-4.312
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TiltNS=+271.2
ESW=-6.118 -5.638 -1.179
T123=8.5 9.3 10.9
ALT/AZ=86.3 151.7
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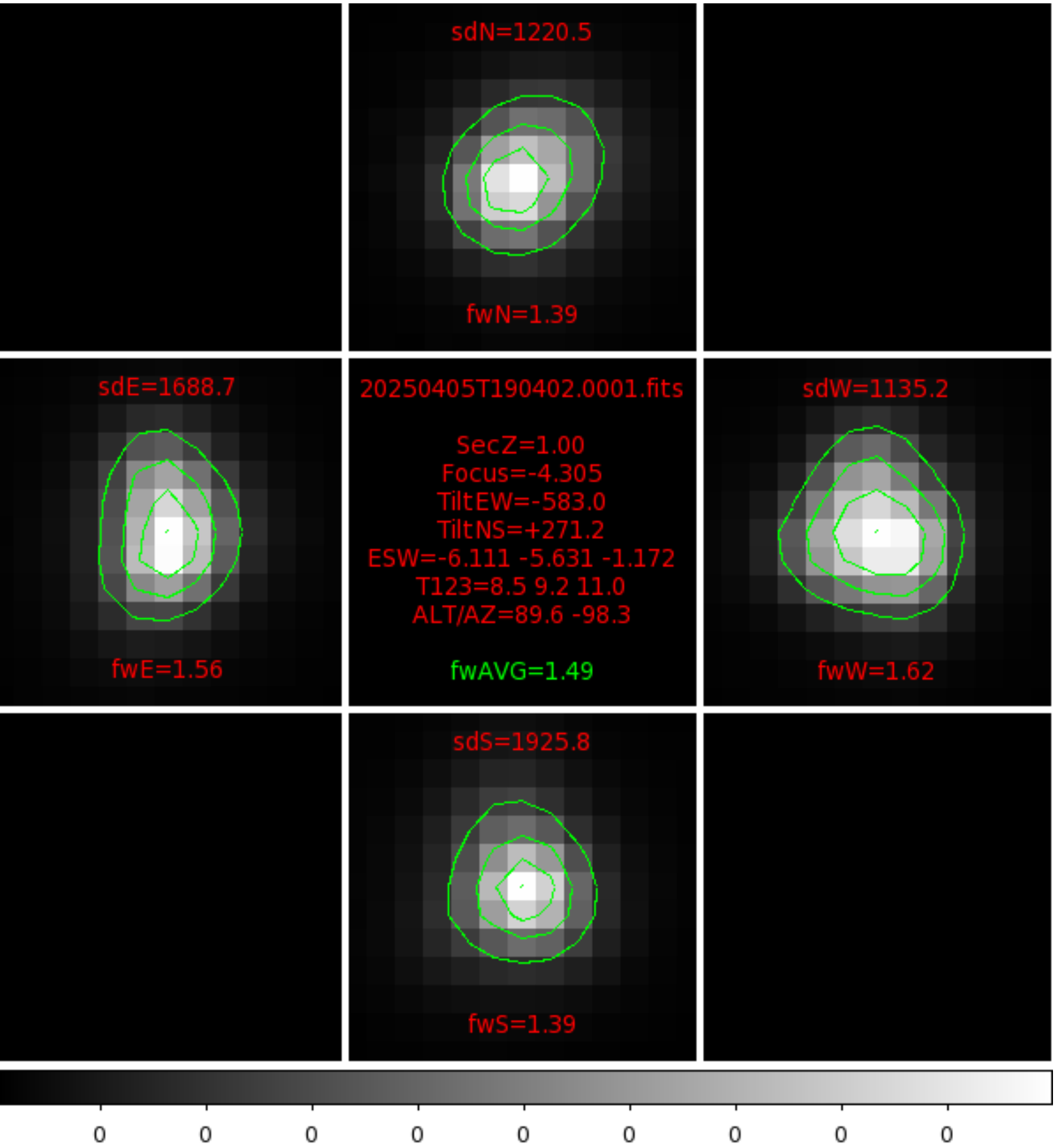
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TiltNS=+271.2
ESW=-6.111 -5.631 -1.172
T123=8.5 9.2 11.0
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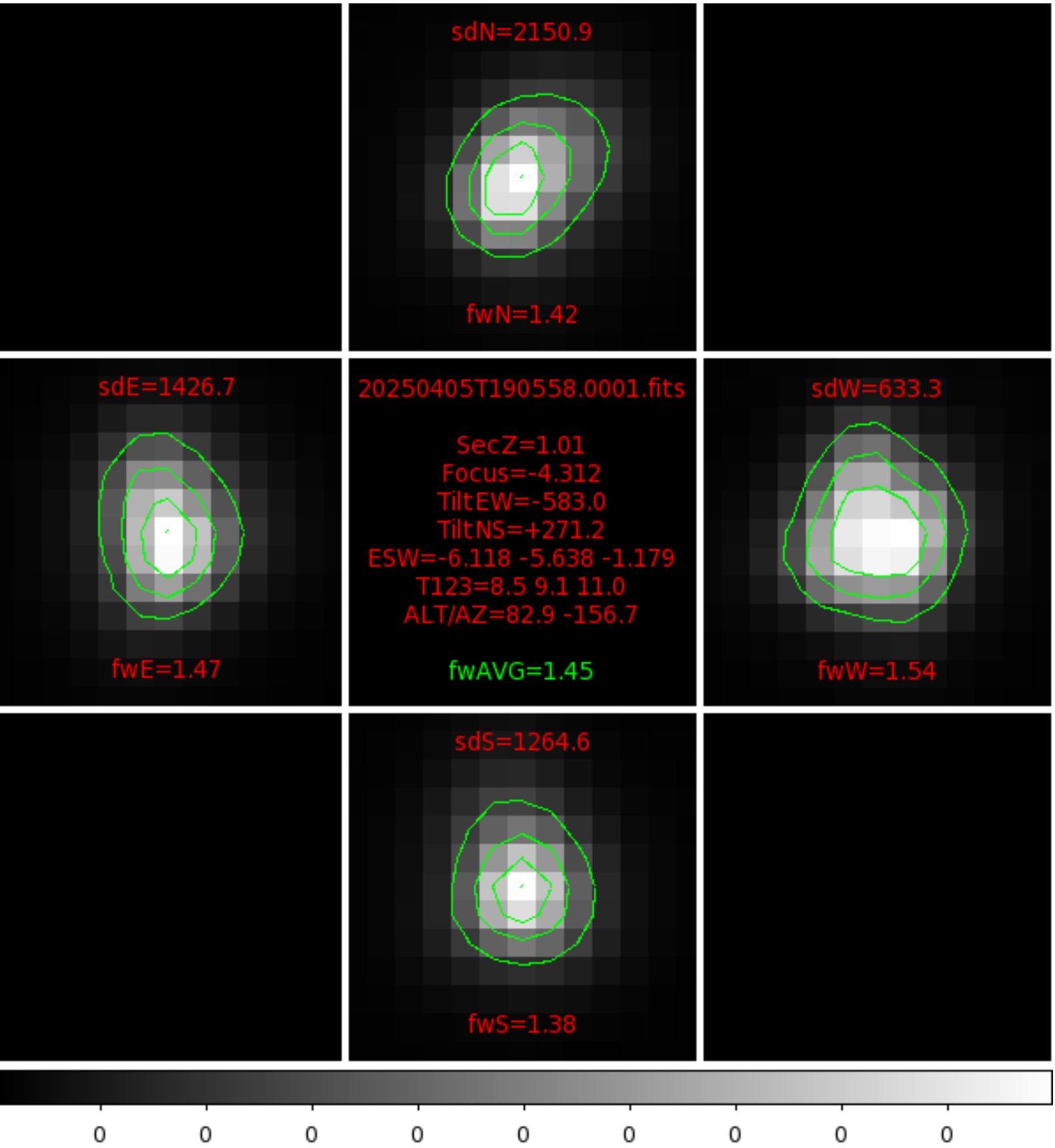
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SecZ=1.01
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TiltNS=+271.2
ESW=-6.118 -5.638 -1.179
T123=8.5 9.1 11.0
ALT/AZ=82.9 -156.7
fwAVG=1.45
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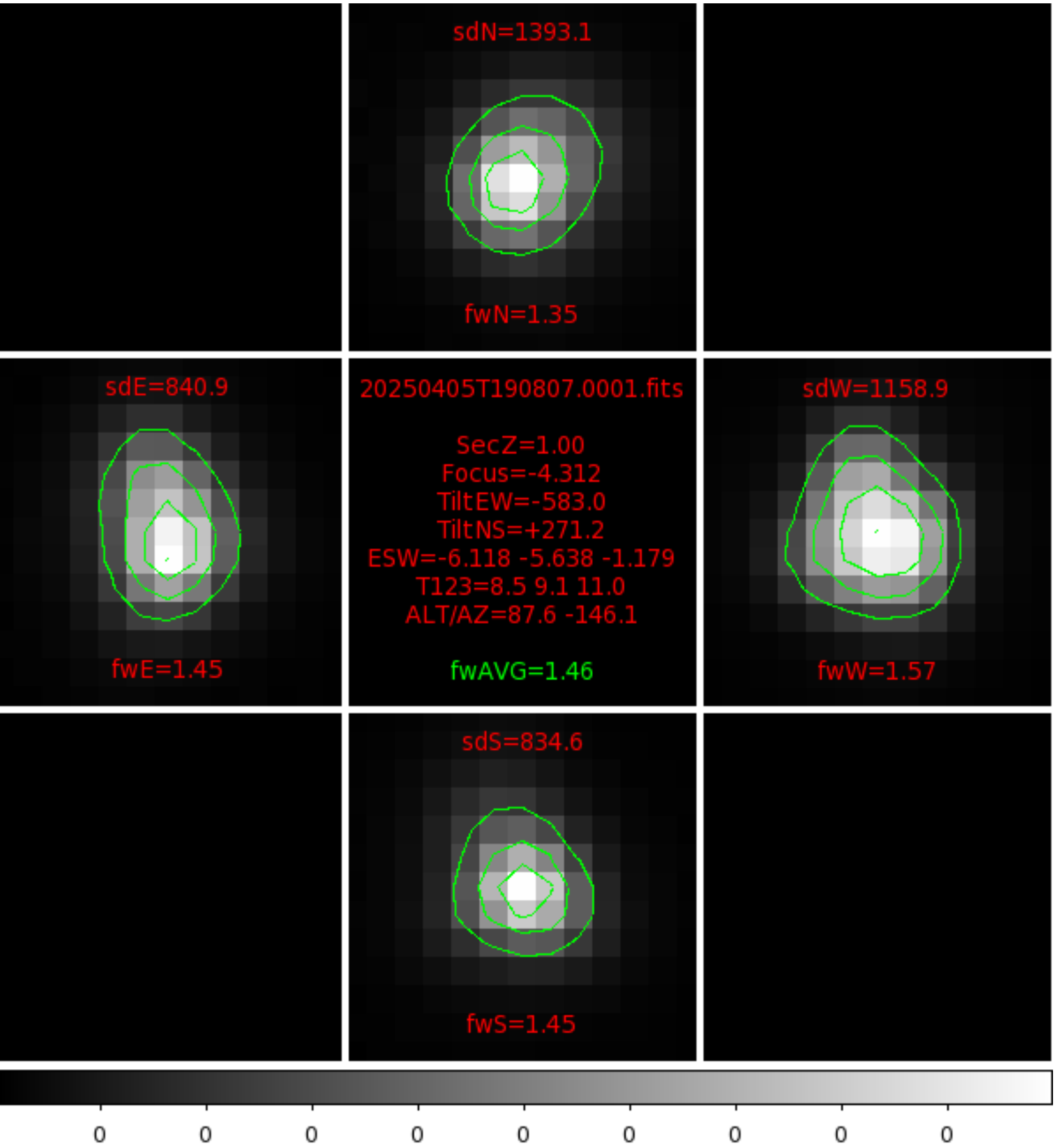
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SecZ=1.00
Focus=-4.312
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.118 -5.638 -1.179
T123=8.5 9.1 11.0
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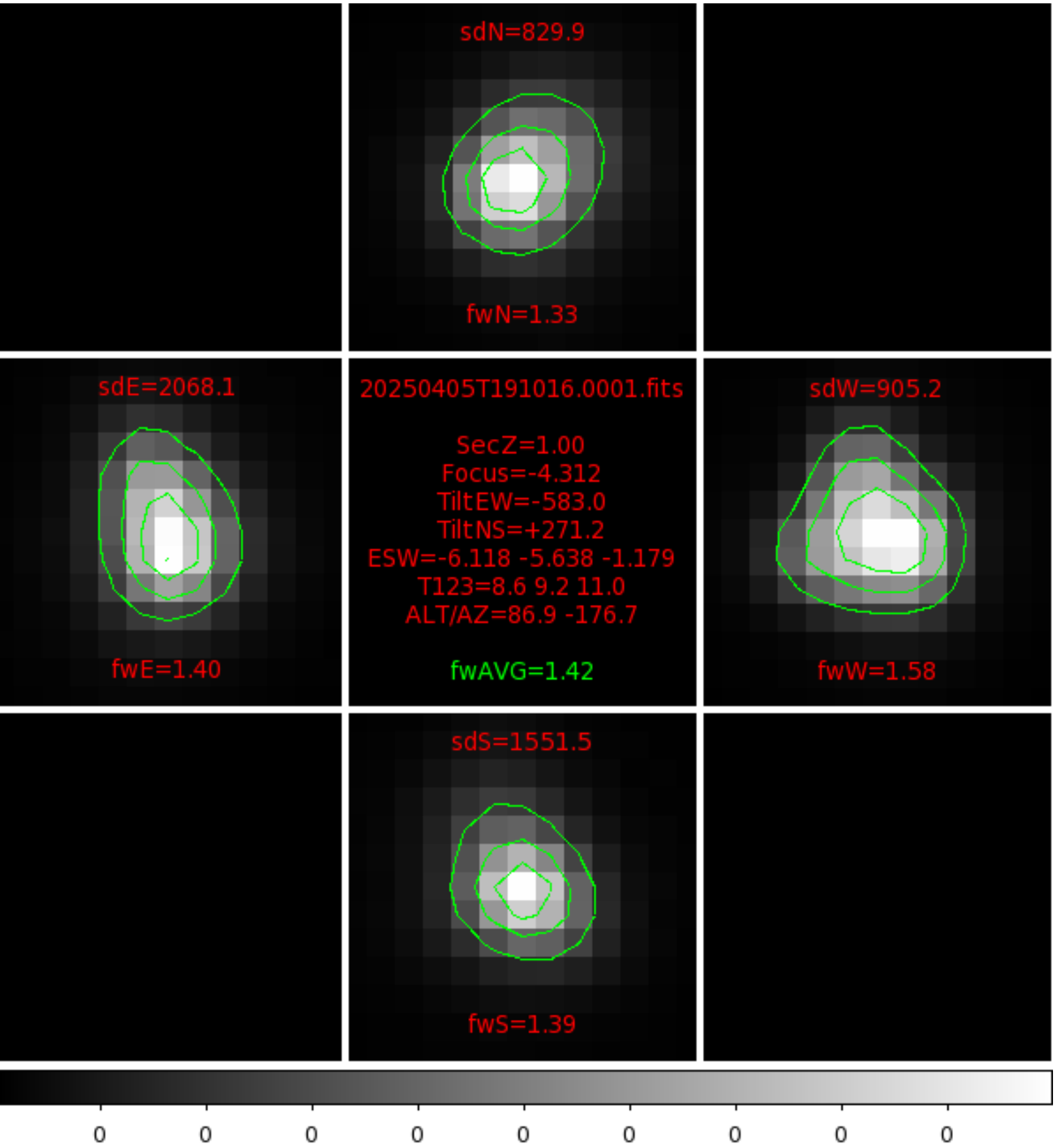
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SecZ=1.00
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TiltEW=-583.0
TiltNS=+271.2
ESW=-6.118 -5.638 -1.179
T123=8.6 9.2 11.0
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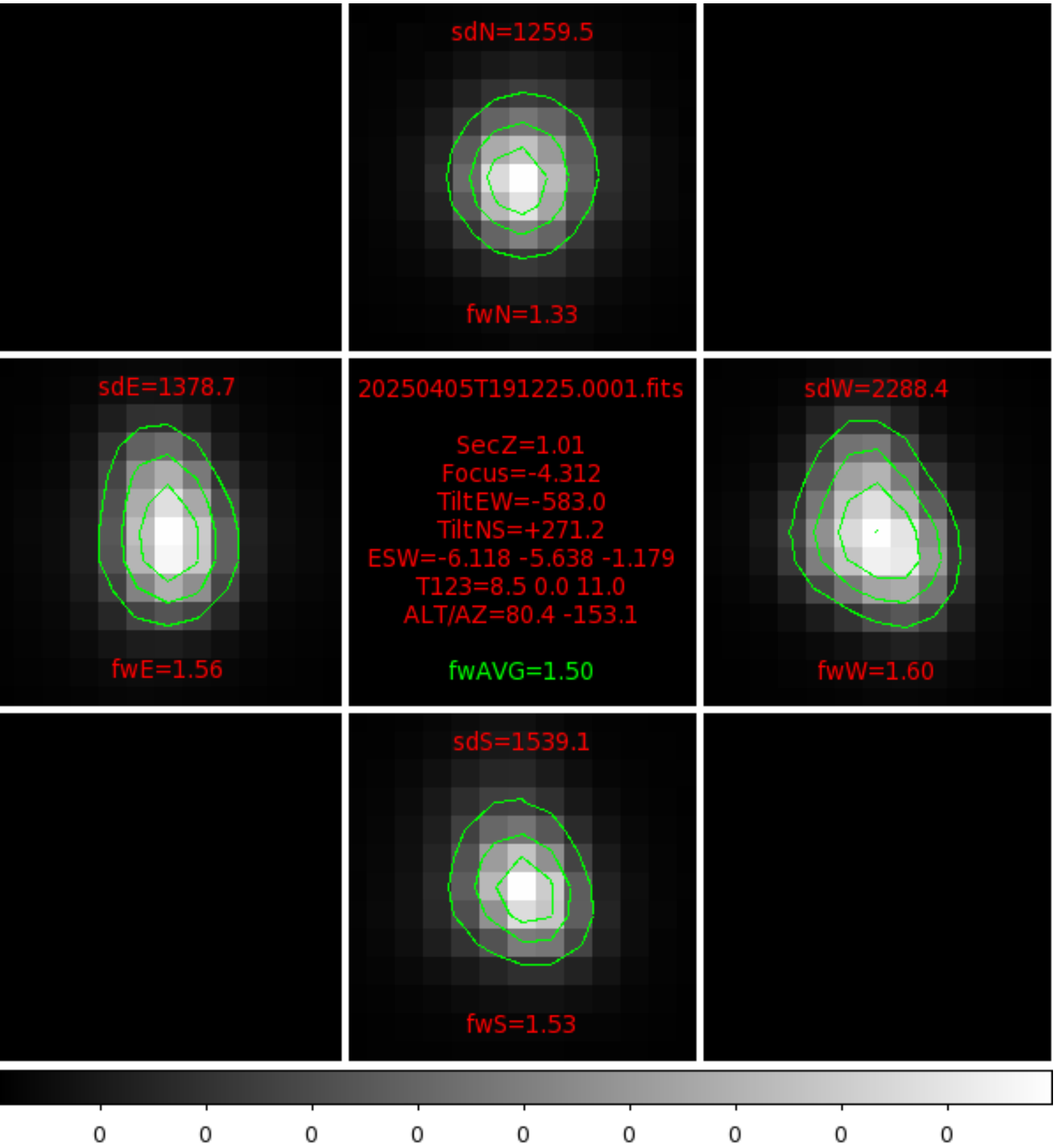
sdN=1259.5
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sdE=1378.7
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SecZ=1.01
Focus=-4.312
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.118 -5.638 -1.179
T123=8.5 0.0 11.0
ALT/AZ=80.4 -153.1
fwAVG=1.50
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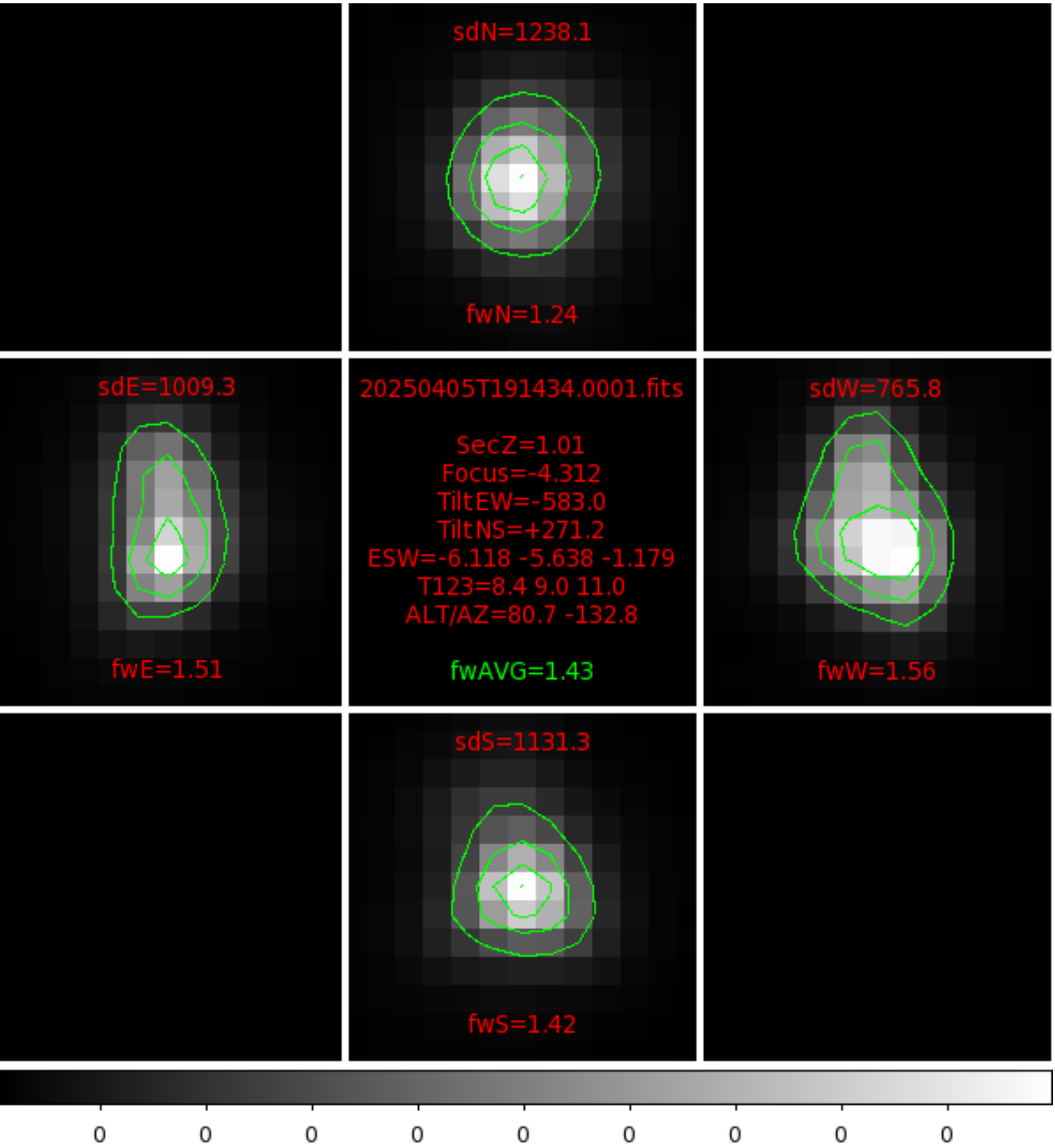
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Focus=-4.312
TiltEW=-583.0
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ESW=-6.118 -5.638 -1.179
T123=8.4 9.0 11.0
ALT/AZ=80.7 -132.8
fwAVG=1.43
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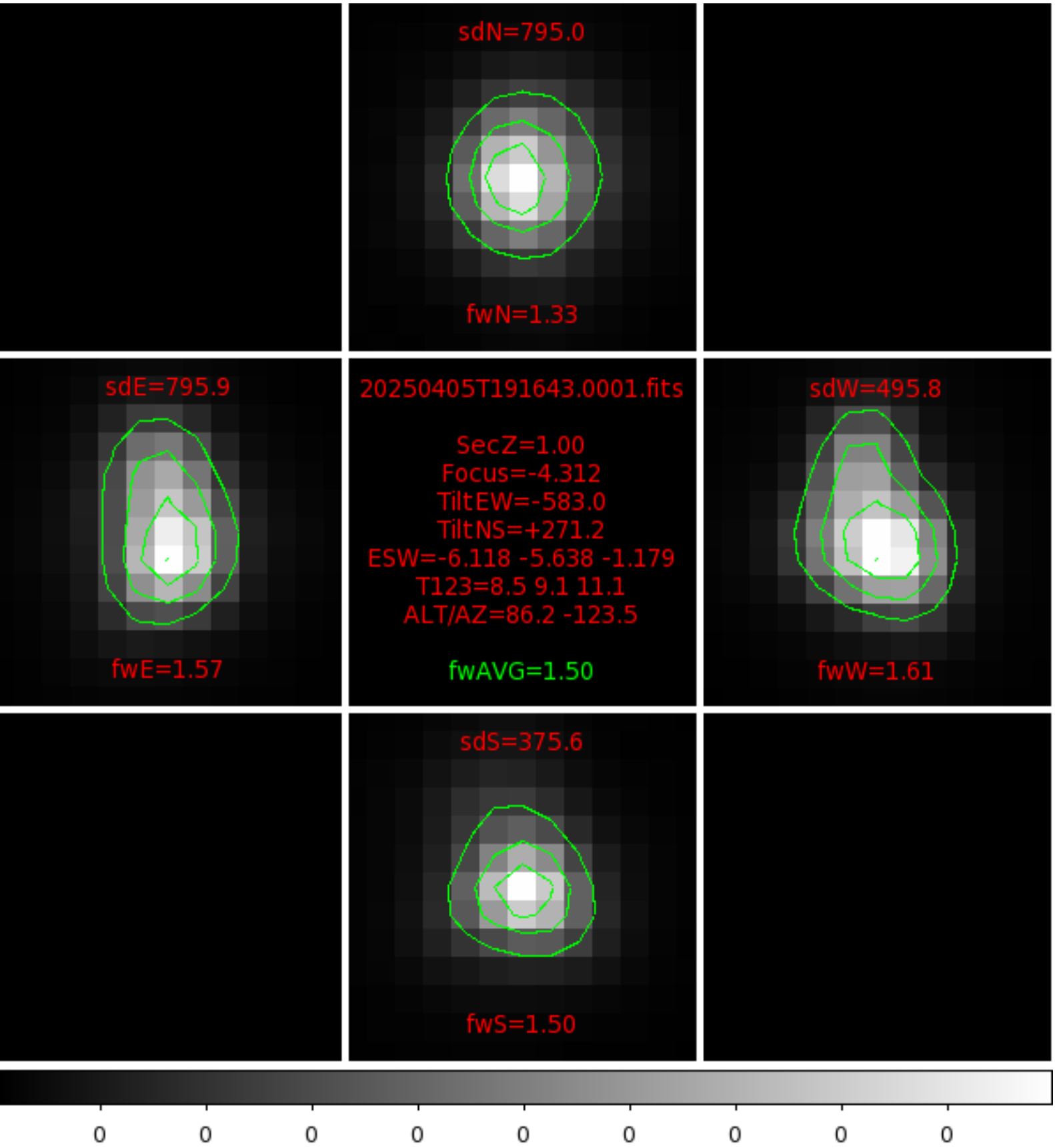
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SecZ=1.00
Focus=-4.312
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.118 -5.638 -1.179
T123=8.5 9.1 11.1
ALT/AZ=86.2 -123.5
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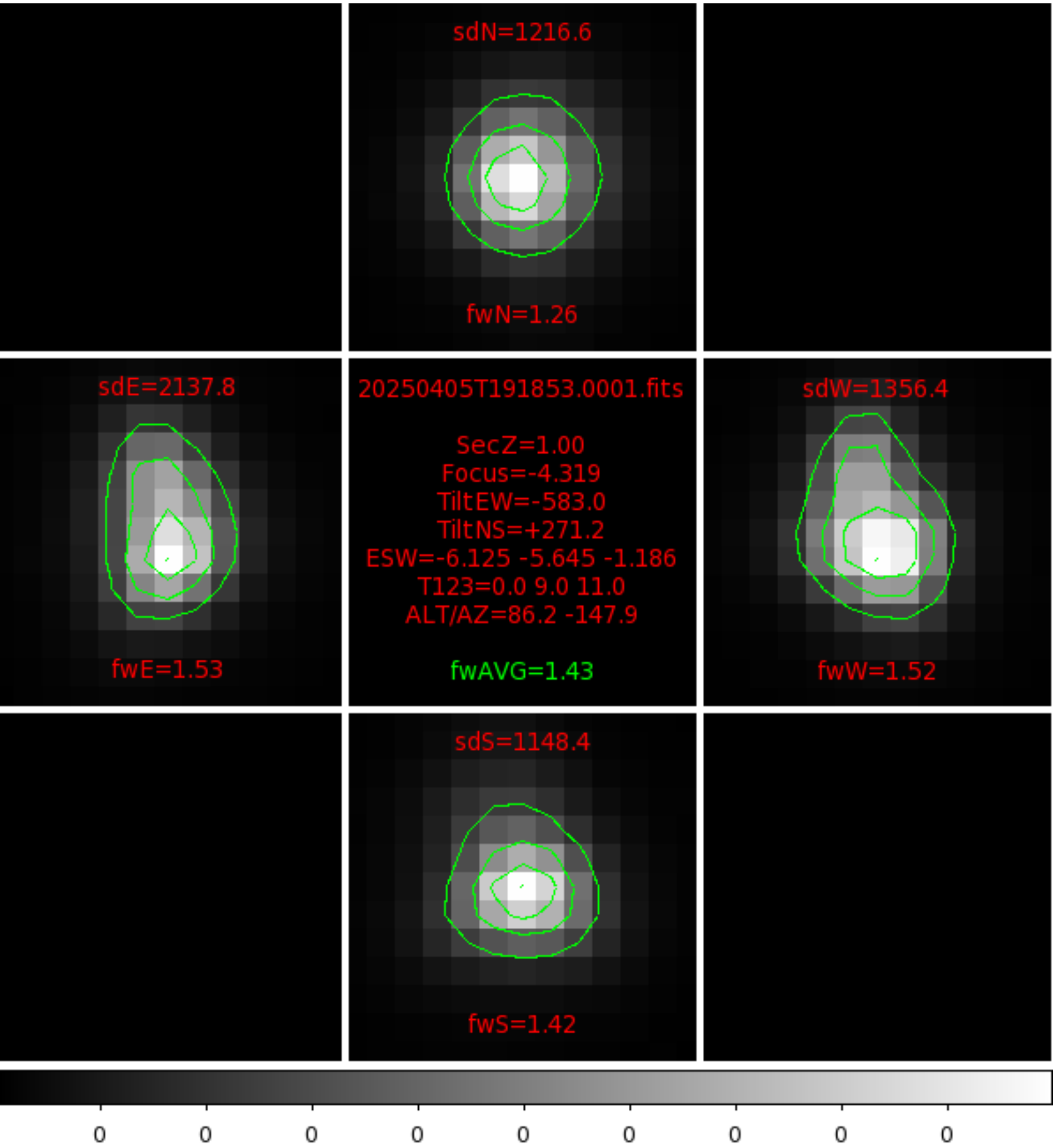
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SecZ=1.00
Focus=-4.319
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=0.0 9.0 11.0
ALT/AZ=86.2 -147.9
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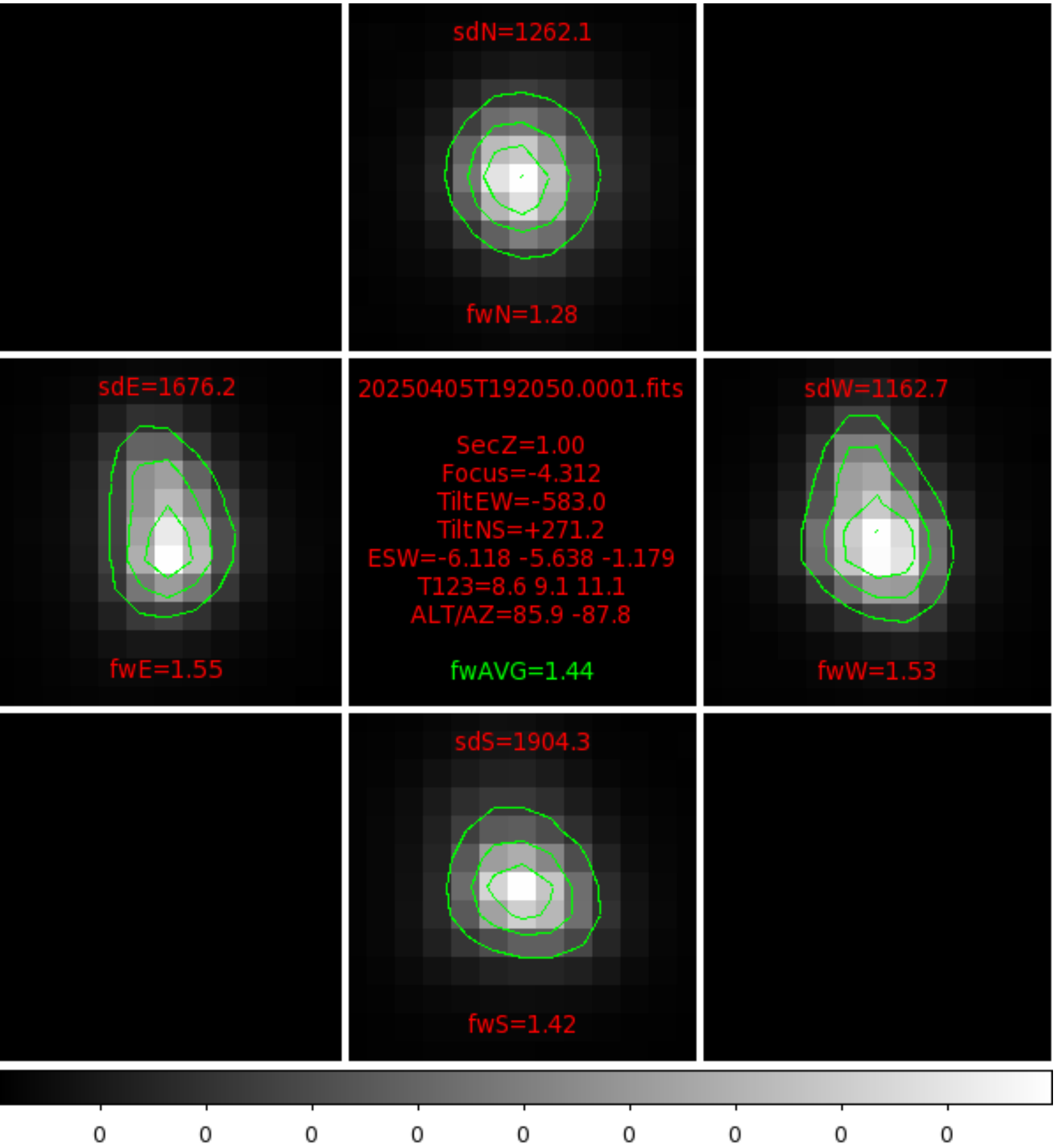
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sdE=1676.2
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20250405T192050.0001.fits
SecZ=1.00
Focus=-4.312
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.118 -5.638 -1.179
T123=8.6 9.1 11.1
ALT/AZ=85.9 -87.8
fwAVG=1.44
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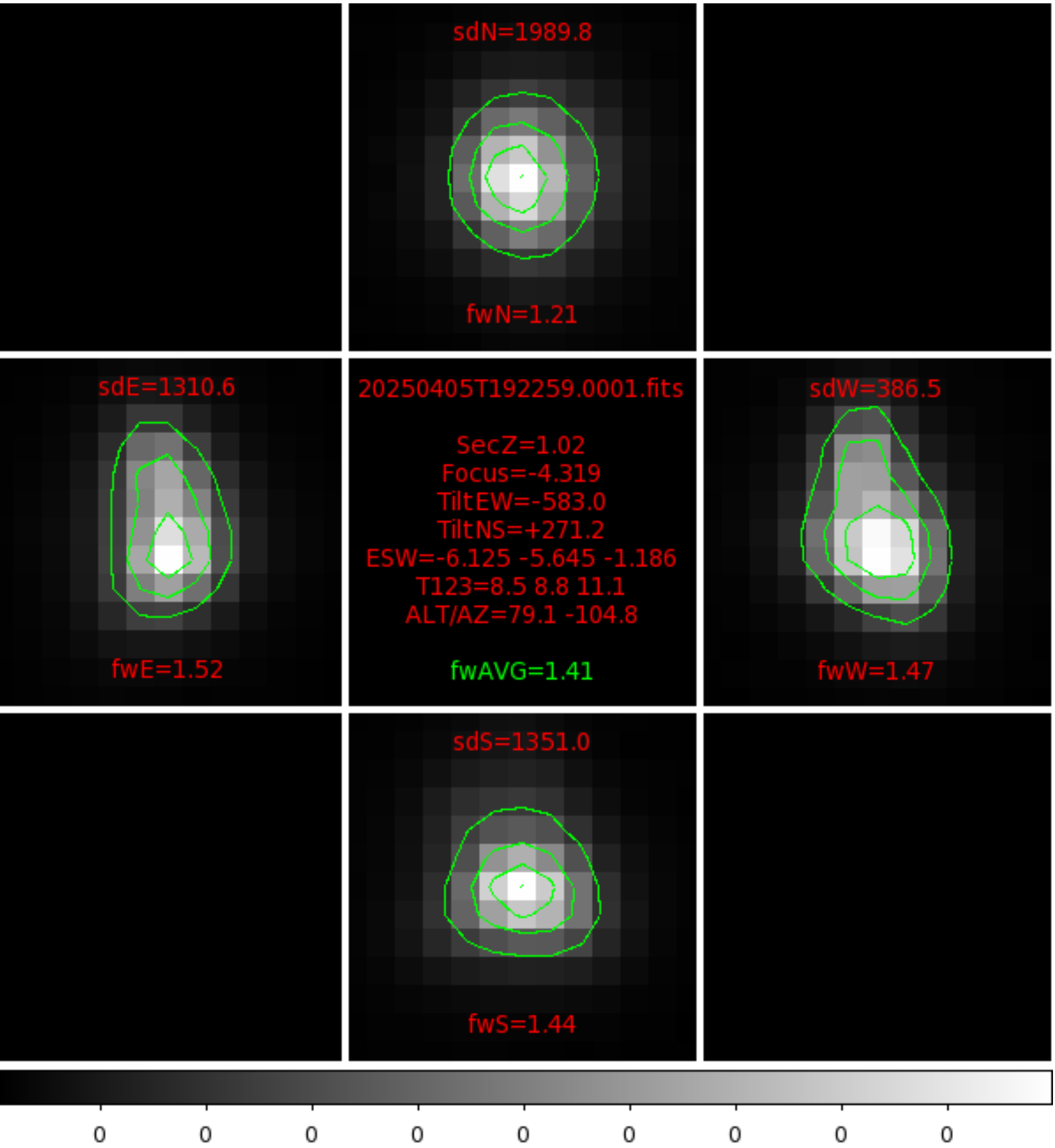
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Focus=-4.319
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.5 8.8 11.1
ALT/AZ=79.1 -104.8
fwAVG=1.41
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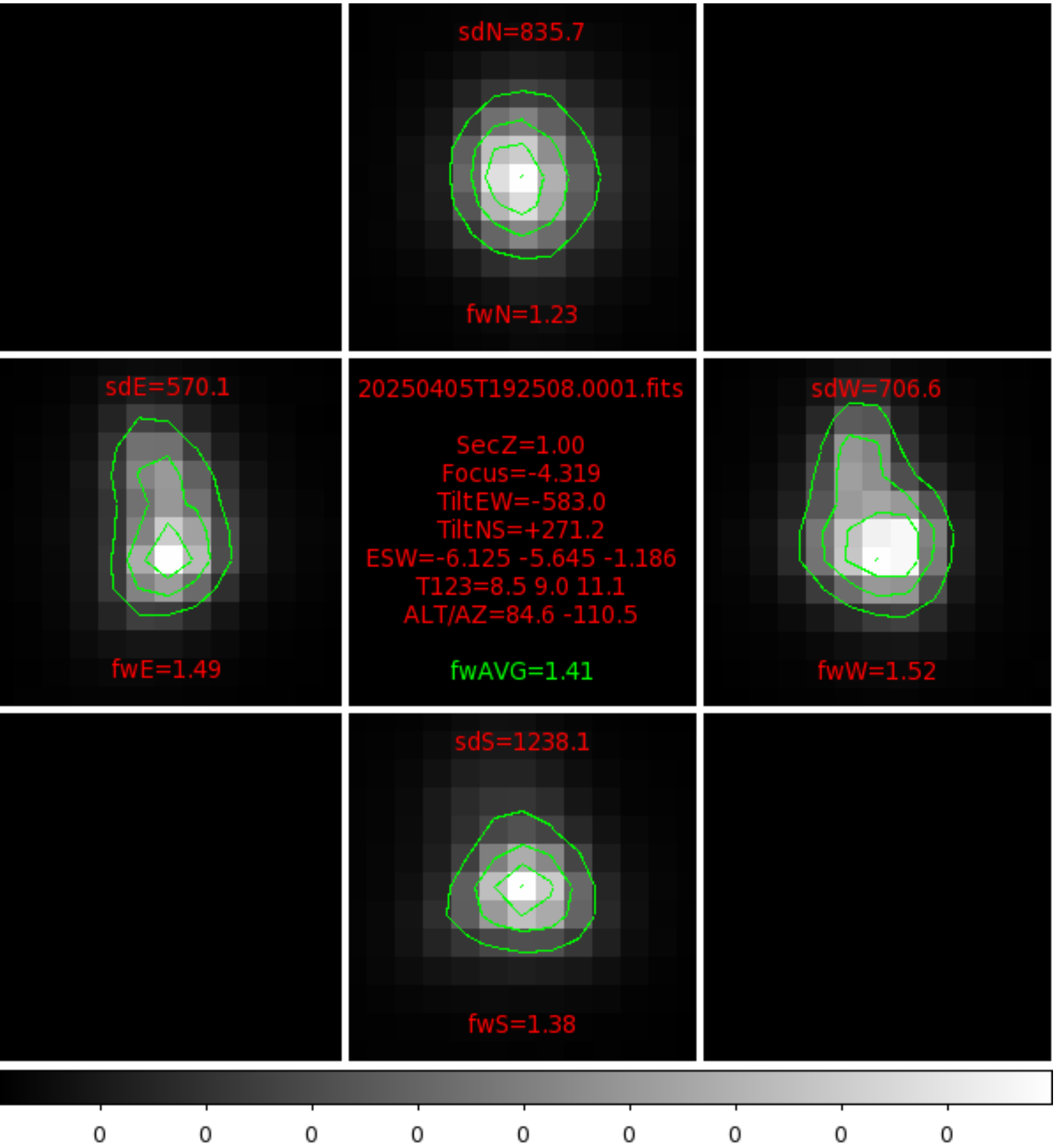
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Focus=-4.319
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.5 9.0 11.1
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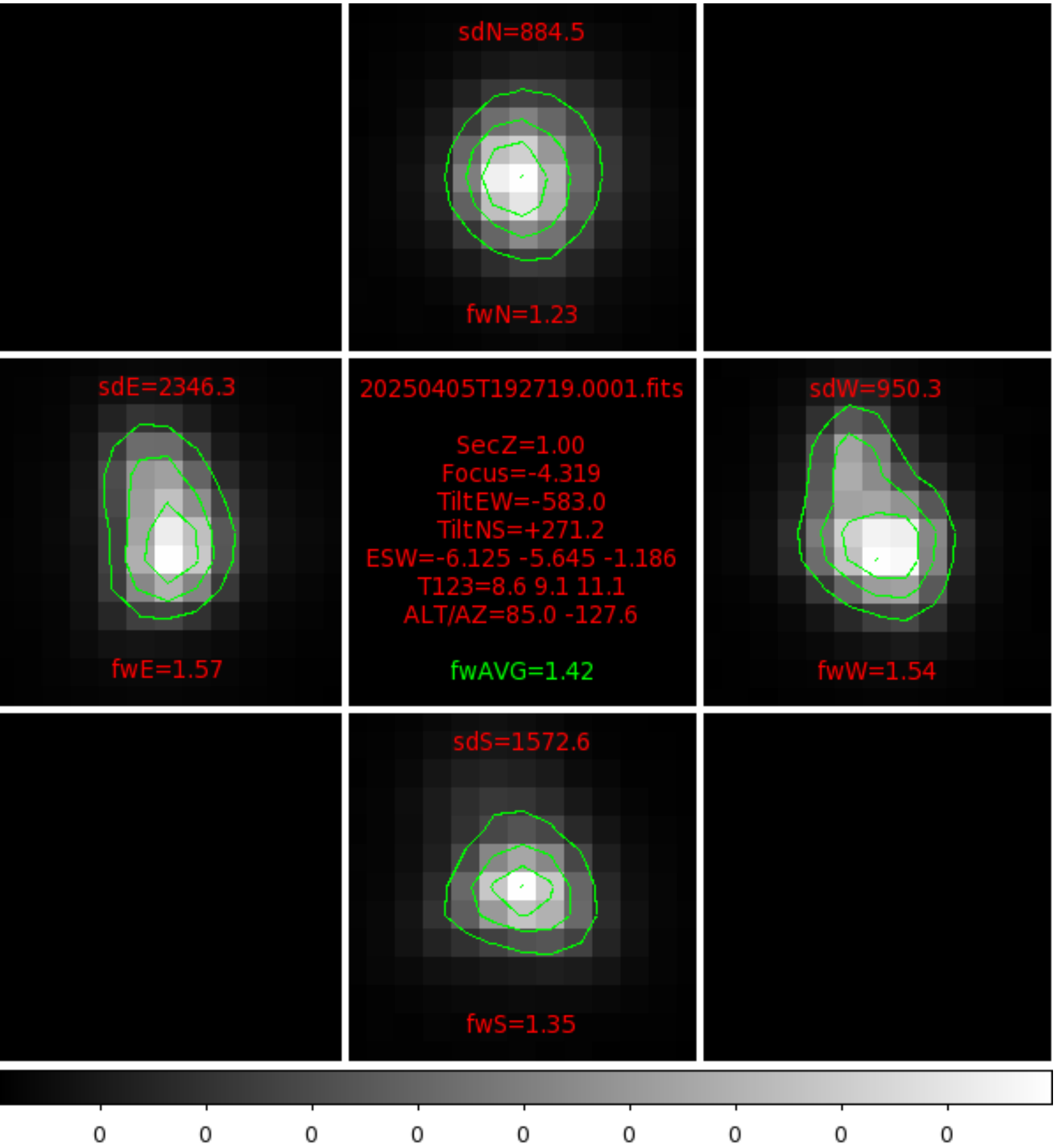
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SecZ=1.00
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TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.6 9.1 11.1
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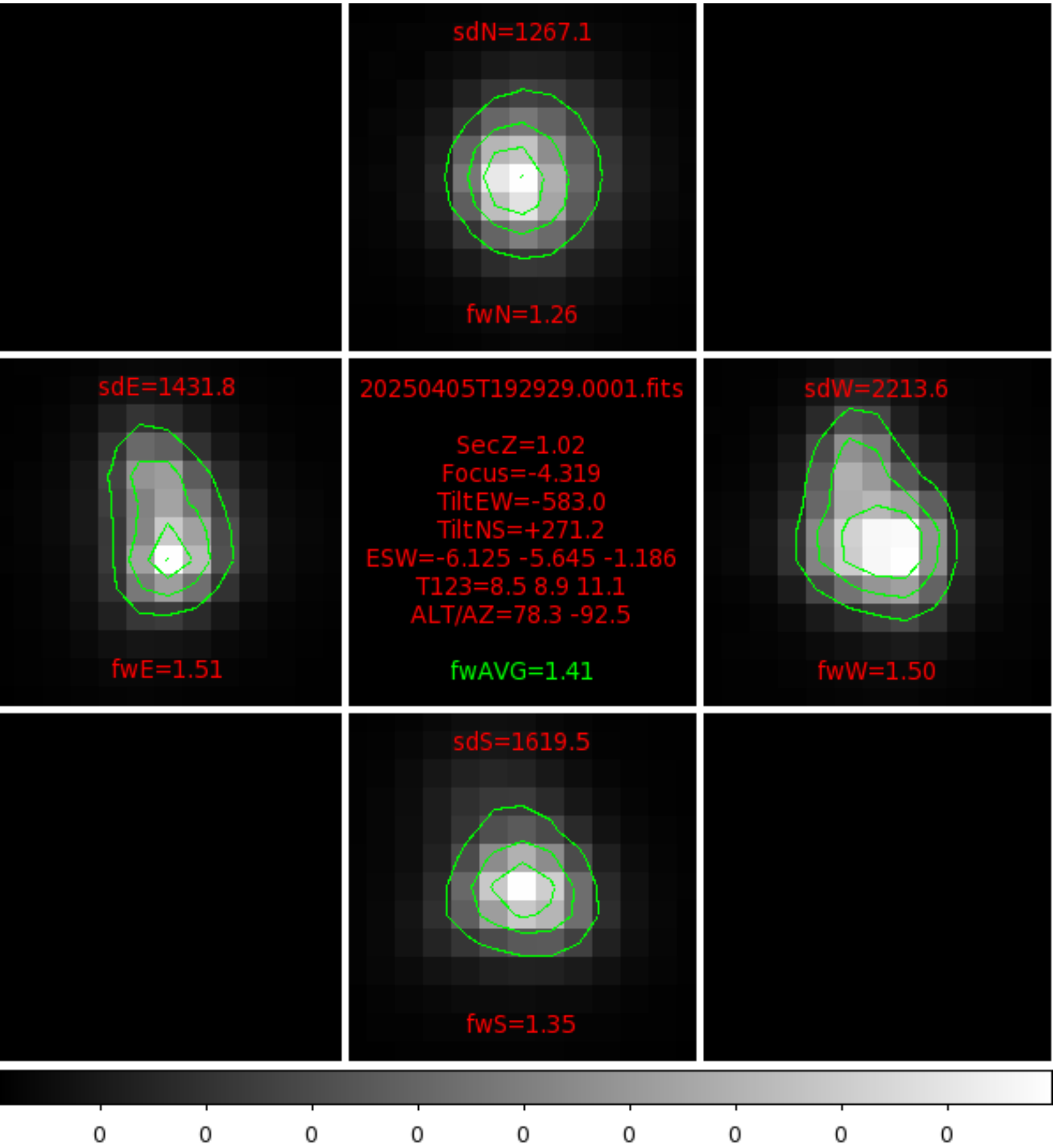
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sdE=1431.8
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Focus=-4.319
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.125 -5.645 -1.186
T123=8.5 8.9 11.1
ALT/AZ=78.3 -92.5
fwAVG=1.41
sdW=2213.6
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sdS=1619.5
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