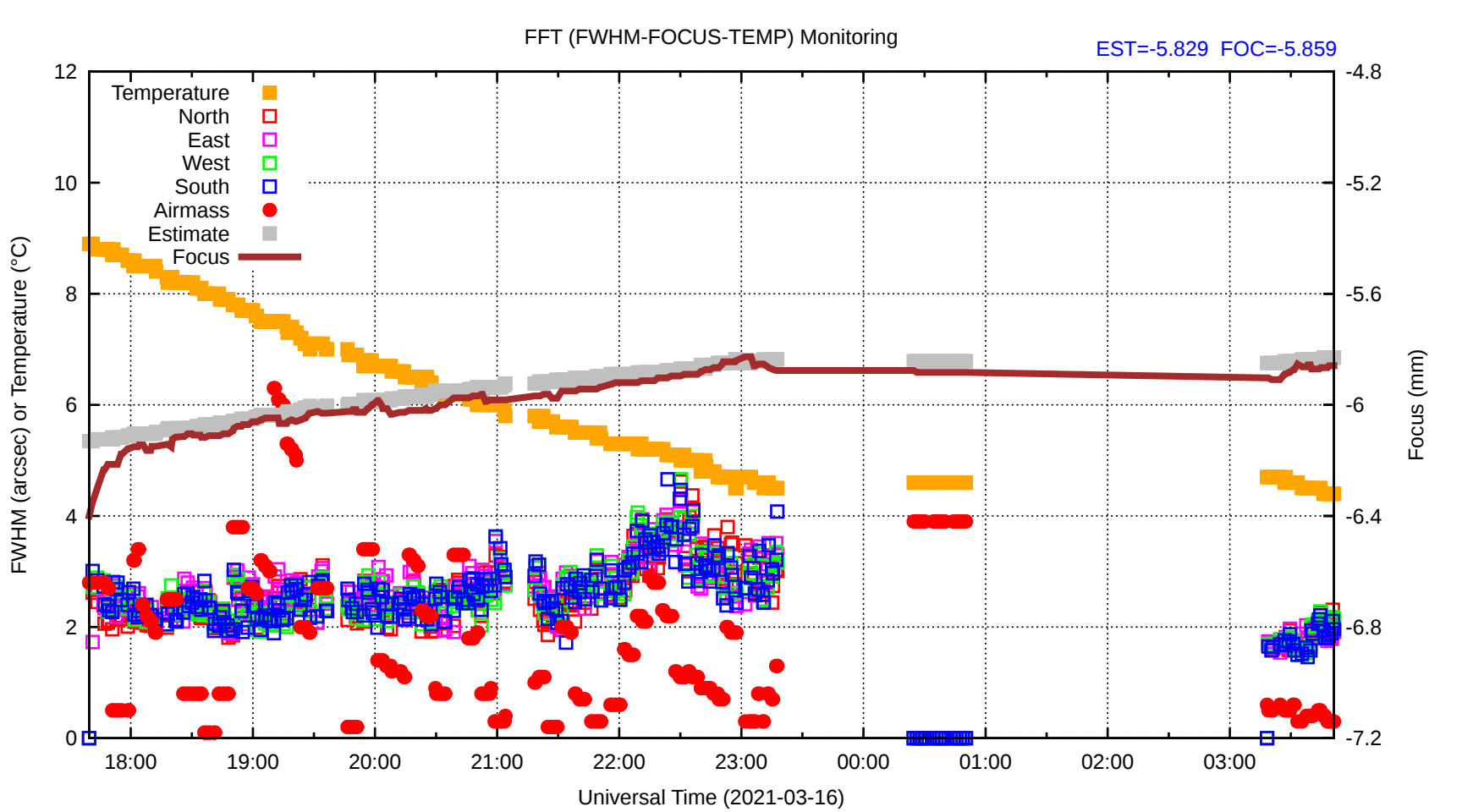
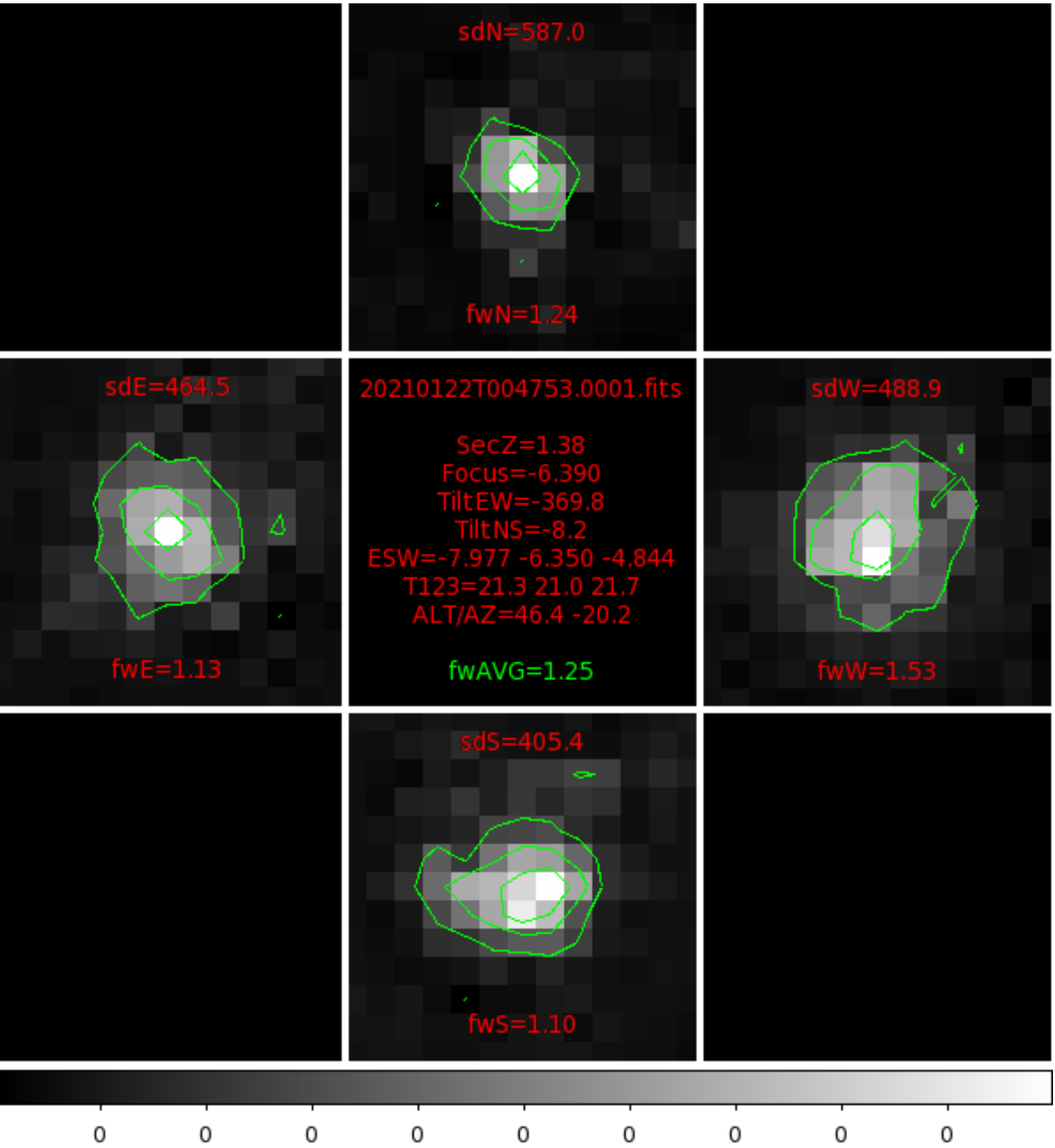

FFT (FWHM-FOCUS-TEMP) Monitoring
EST=-5.829 FOC=-5.859
Temperature
North
East
West
South
Airmass
Estimate
Focus
FWHM (arcsec) or Temperature (°C)
Focus (mm)
Universal Time (2021-03-16)
12
10
8
6
4
2
0
-4.8
-5.2
-5.6
-6
-6.4
-6.8
-7.2
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
03:00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fwE=1.13
20210122T004753.0001.fits
SecZ=1.38
Focus=-6.390
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.977 -6.350 -4.844
T123=21.3 21.0 21.7
ALT/AZ=46.4 -20.2
fwAVG=1.25
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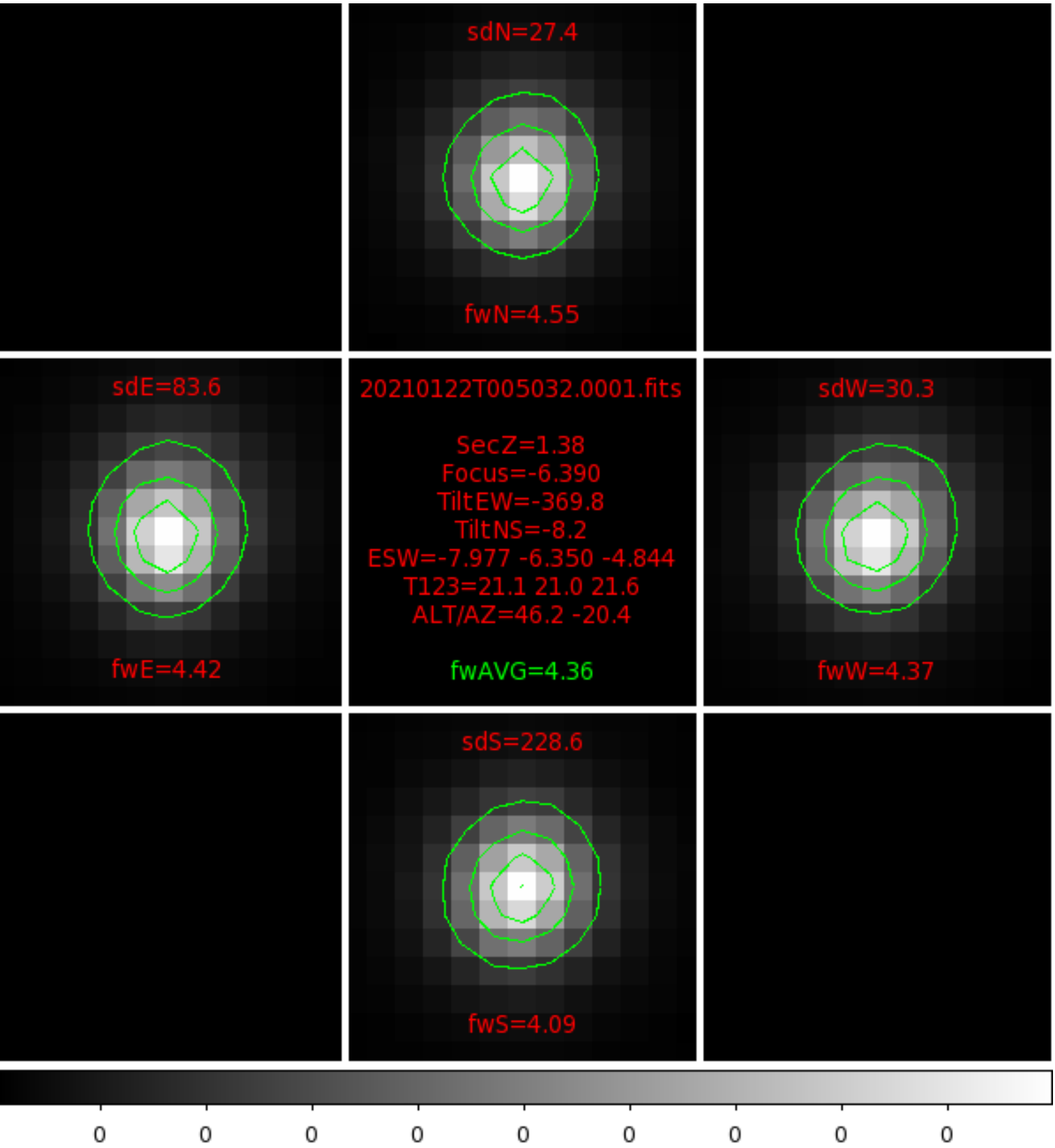
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fwE=4.42
20210122T005032.0001.fits
SecZ=1.38
Focus=-6.390
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.977 -6.350 -4.844
T123=21.1 21.0 21.6
ALT/AZ=46.2 -20.4
fwAVG=4.36
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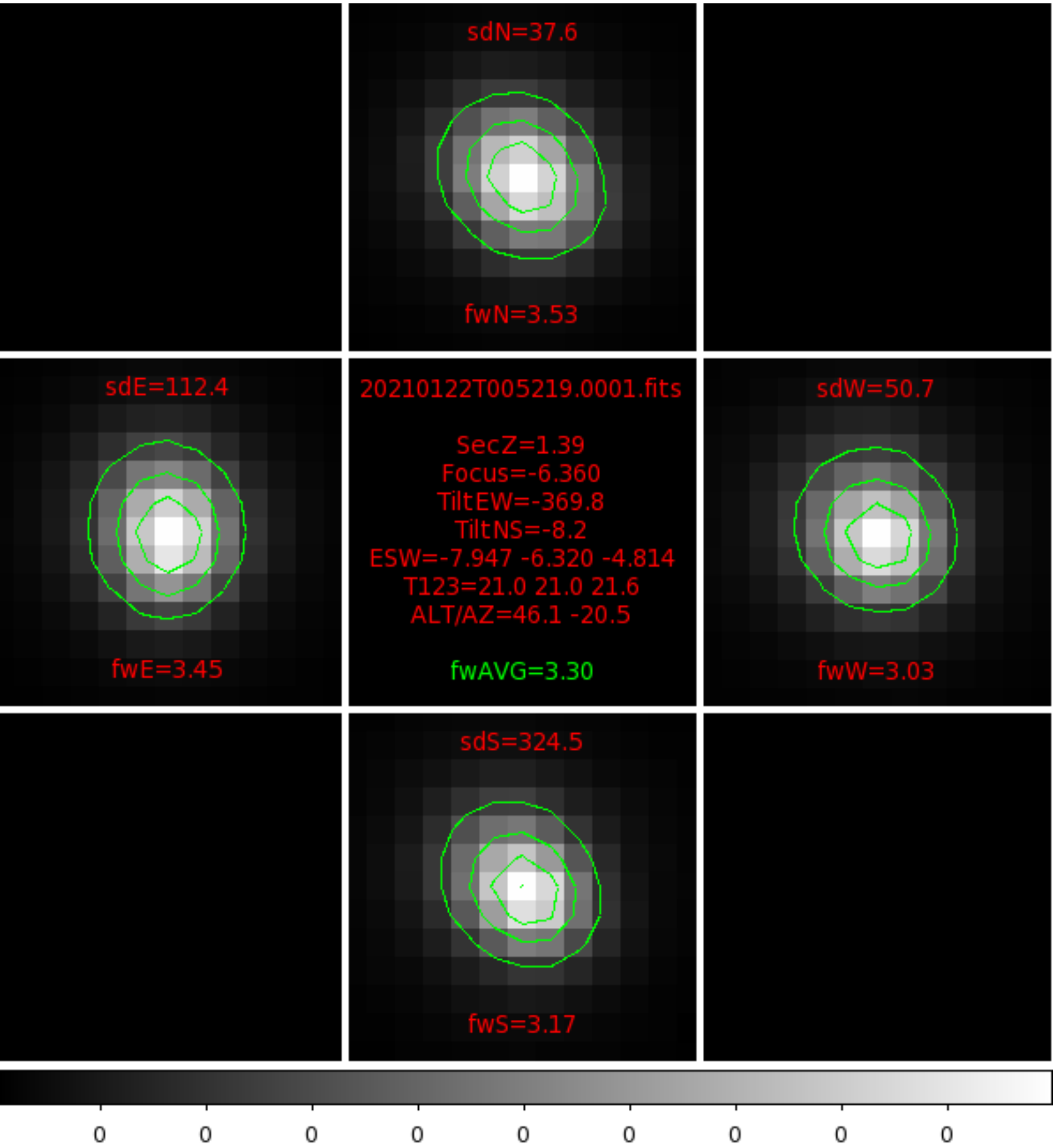
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sdE=112.4
fwE=3.45
20210122T005219.0001.fits
SecZ=1.39
Focus=-6.360
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.947 -6.320 -4.814
T123=21.0 21.0 21.6
ALT/AZ=46.1 -20.5
fwAVG=3.30
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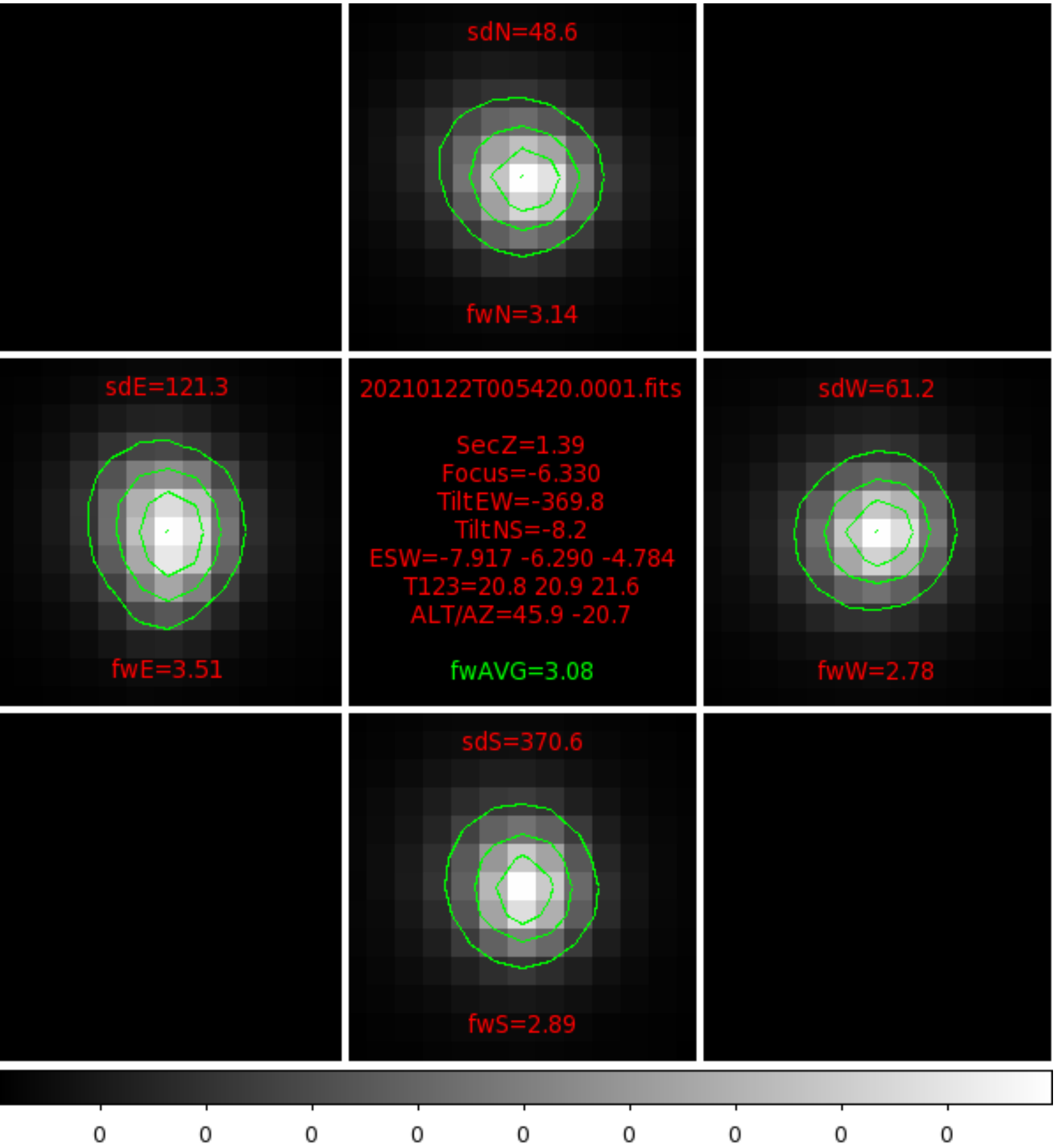
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20210122T005420.0001.fits
SecZ=1.39
Focus=-6.330
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.917 -6.290 -4.784
T123=20.8 20.9 21.6
ALT/AZ=45.9 -20.7
fwAVG=3.08
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sdS=370.6
fwS=2.89
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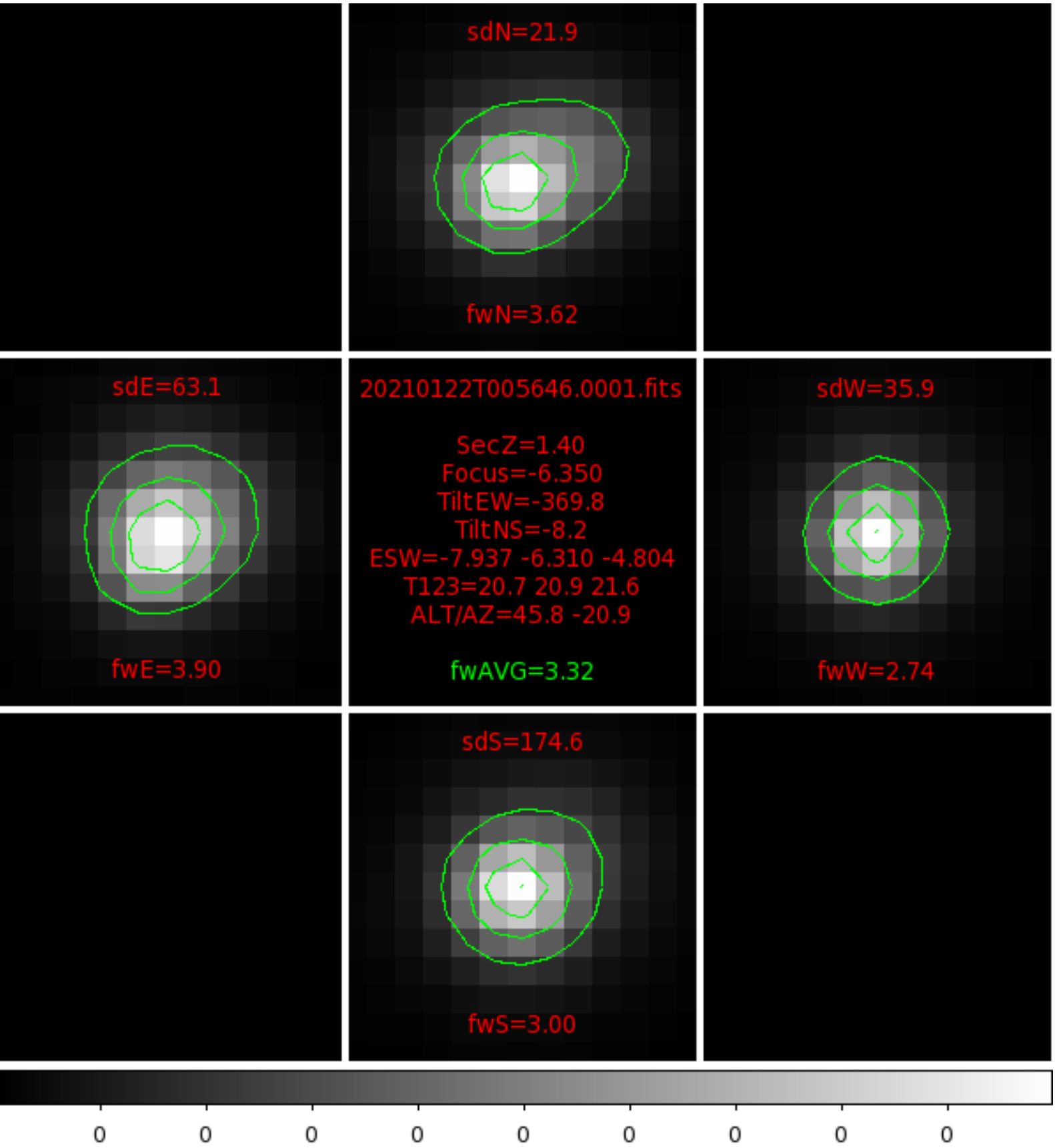
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Focus=-6.350
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.937 -6.310 -4.804
T123=20.7 20.9 21.6
ALT/AZ=45.8 -20.9
fwAVG=3.32
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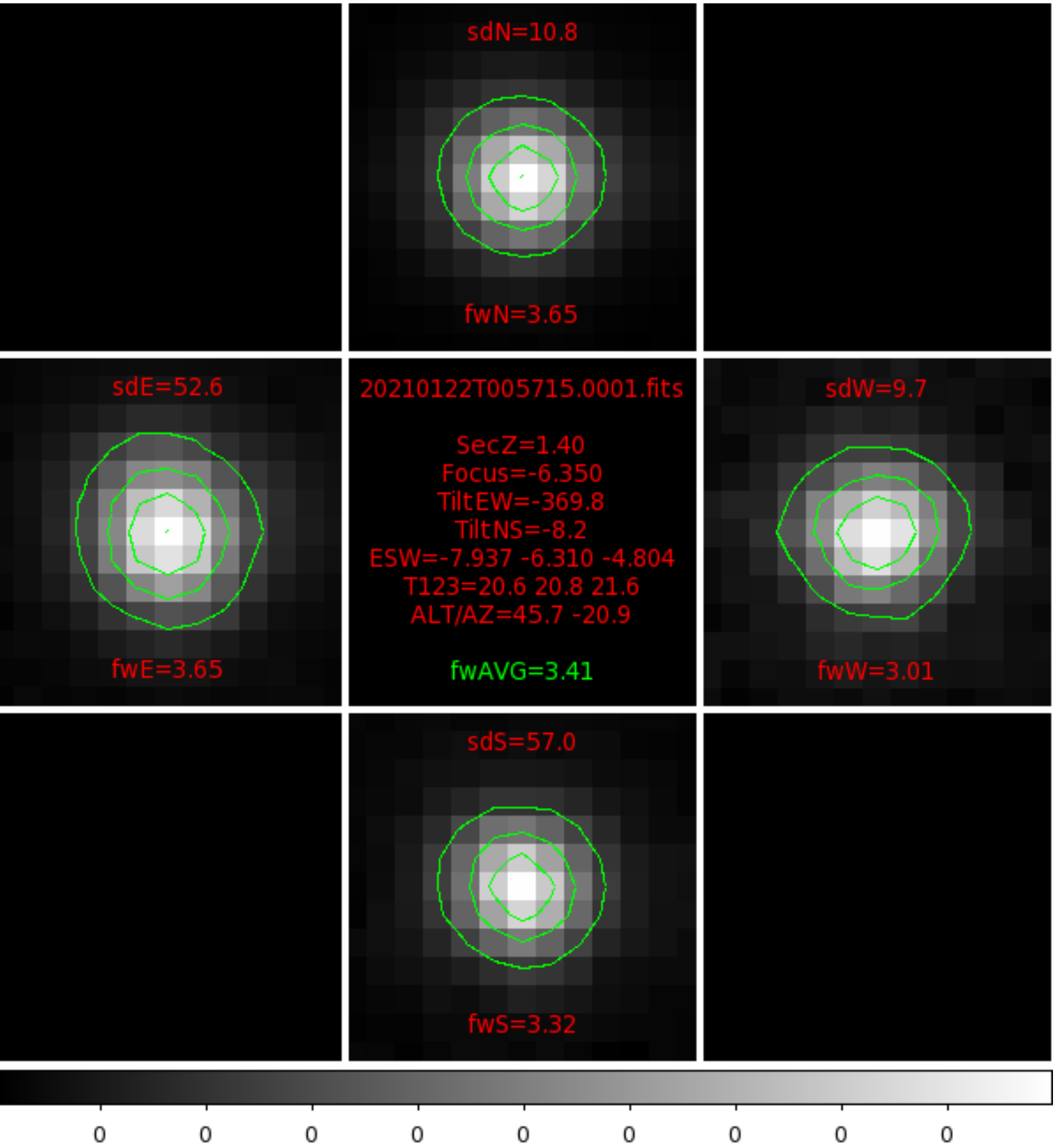
sdN=10.8
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fwE=3.65
20210122T005715.0001.fits
SecZ=1.40
Focus=-6.350
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.937 -6.310 -4.804
T123=20.6 20.8 21.6
ALT/AZ=45.7 -20.9
fwAVG=3.41
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sdS=57.0
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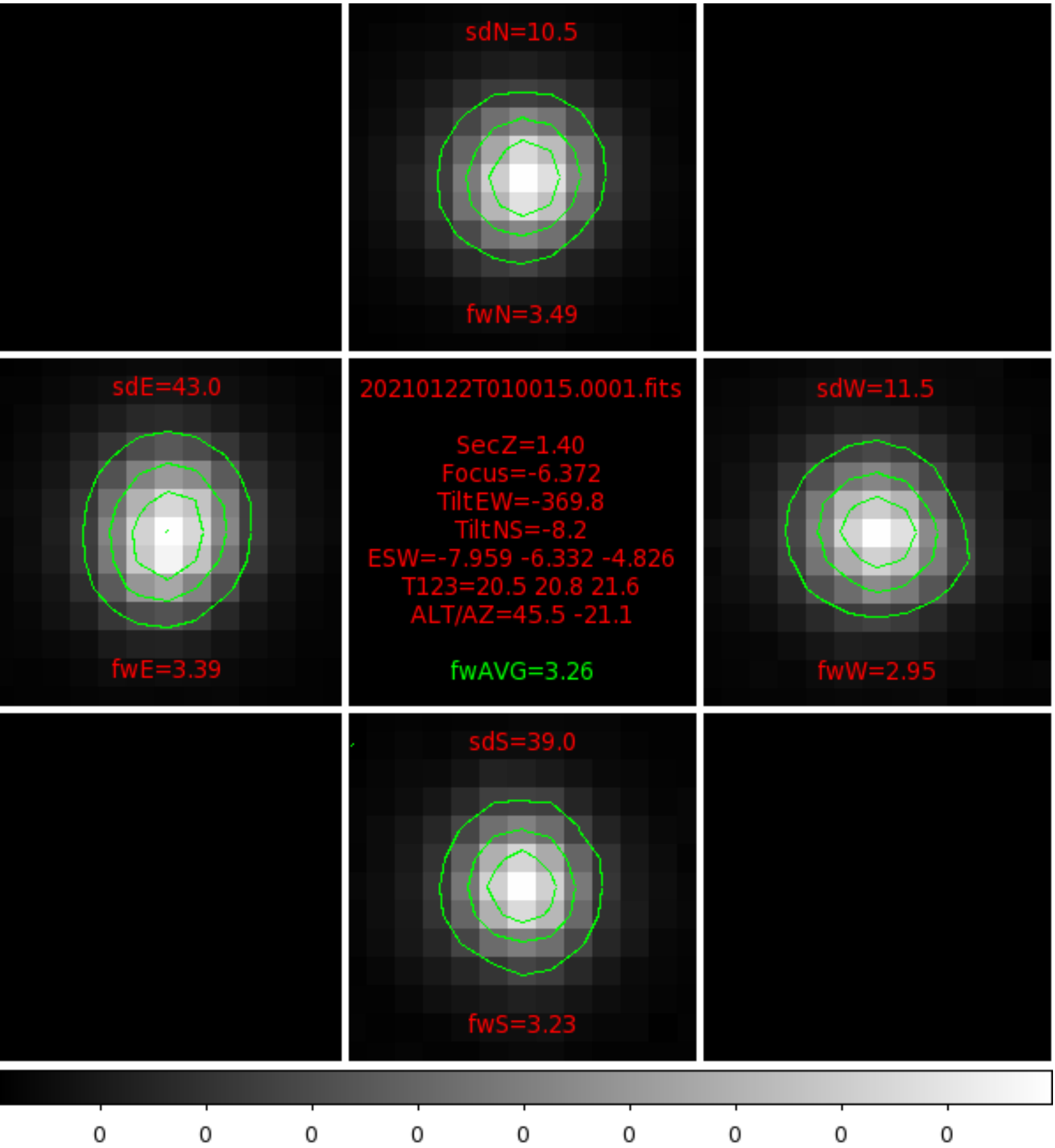
sdN=10.5
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SecZ=1.40
Focus=-6.372
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.959 -6.332 -4.826
T123=20.5 20.8 21.6
ALT/AZ=45.5 -21.1
fwAVG=3.26
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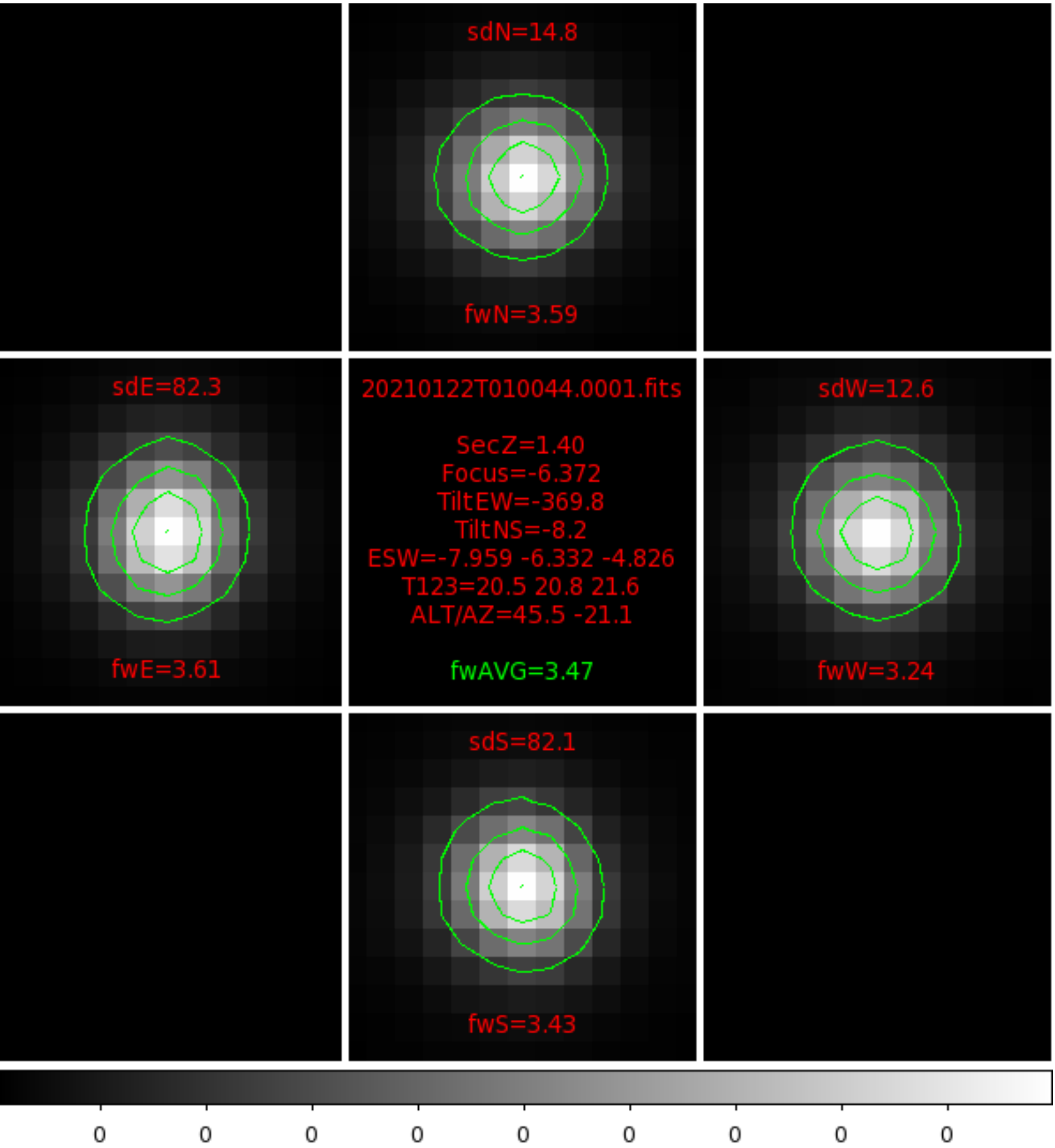
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sdE=82.3
fwE=3.61
20210122T010044.0001.fits
SecZ=1.40
Focus=-6.372
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.959 -6.332 -4.826
T123=20.5 20.8 21.6
ALT/AZ=45.5 -21.1
fwAVG=3.47
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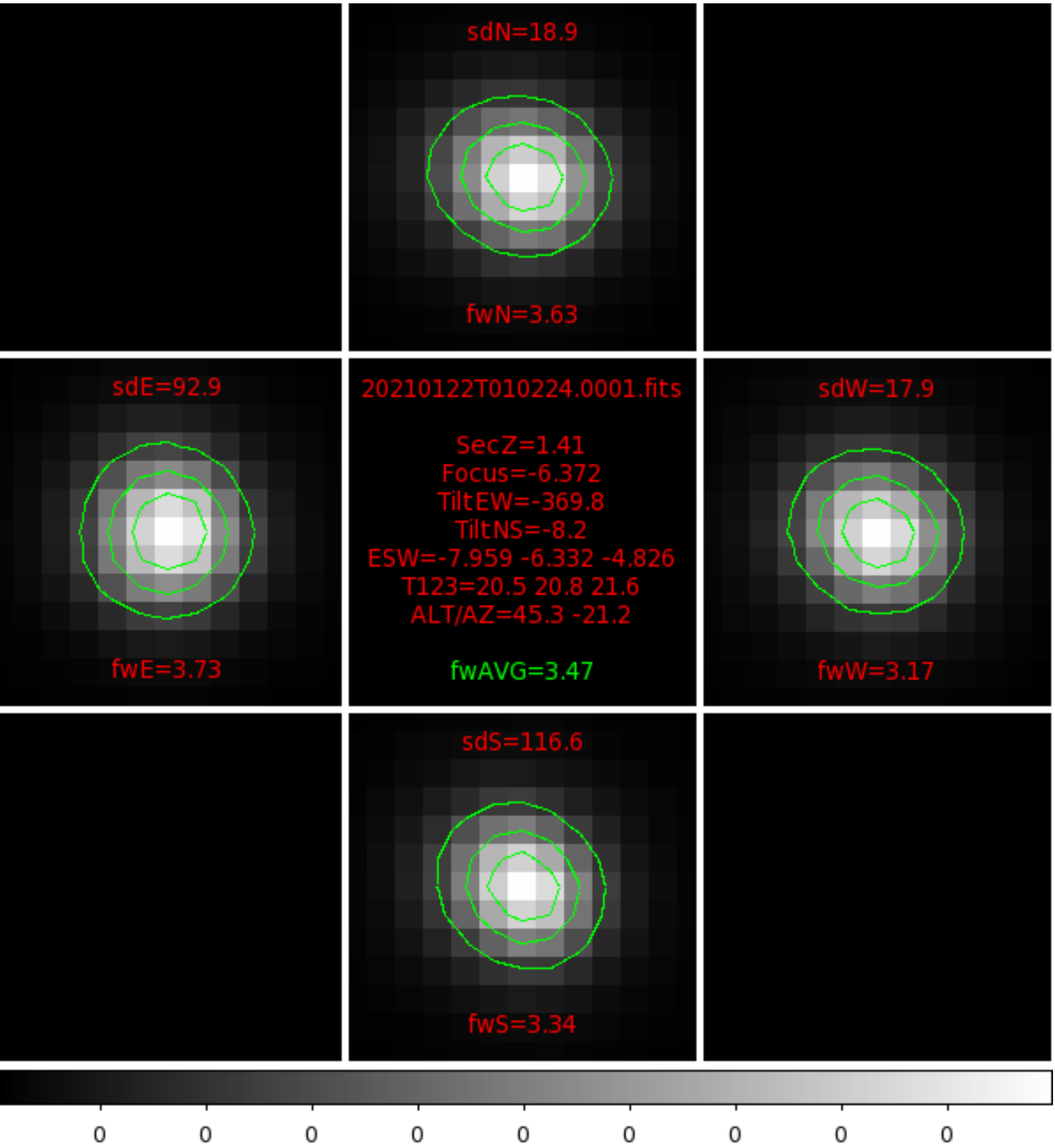
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fwE=3.73
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SecZ=1.41
Focus=-6.372
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.959 -6.332 -4.826
T123=20.5 20.8 21.6
ALT/AZ=45.3 -21.2
fwAVG=3.47
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sdS=116.6
fwS=3.34
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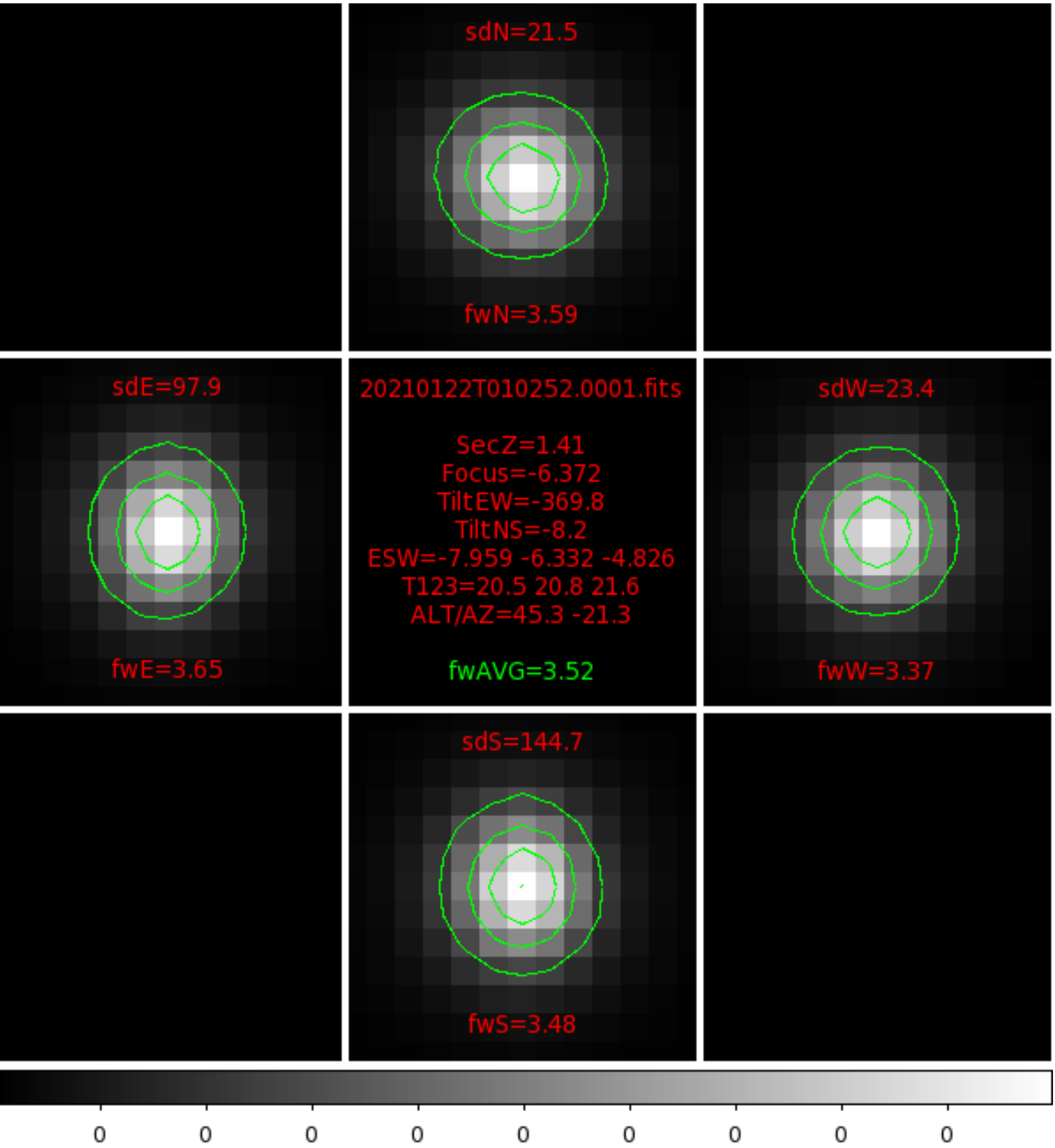
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fwE=3.65
20210122T010252.0001.fits
SecZ=1.41
Focus=-6.372
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.959 -6.332 -4.826
T123=20.5 20.8 21.6
ALT/AZ=45.3 -21.3
fwAVG=3.52
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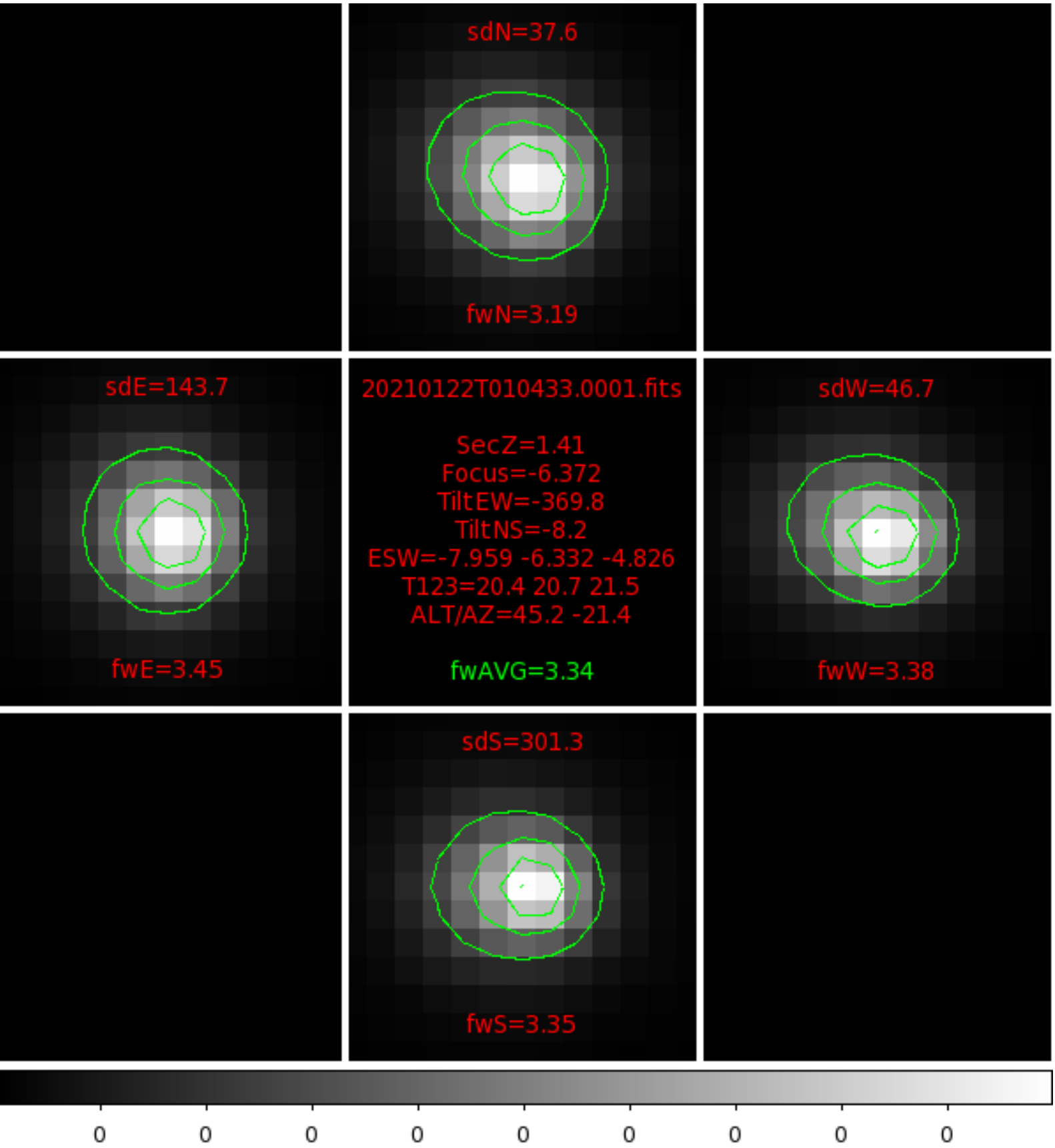
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20210122T010433.0001.fits
SecZ=1.41
Focus=-6.372
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.959 -6.332 -4.826
T123=20.4 20.7 21.5
ALT/AZ=45.2 -21.4
fwAVG=3.34
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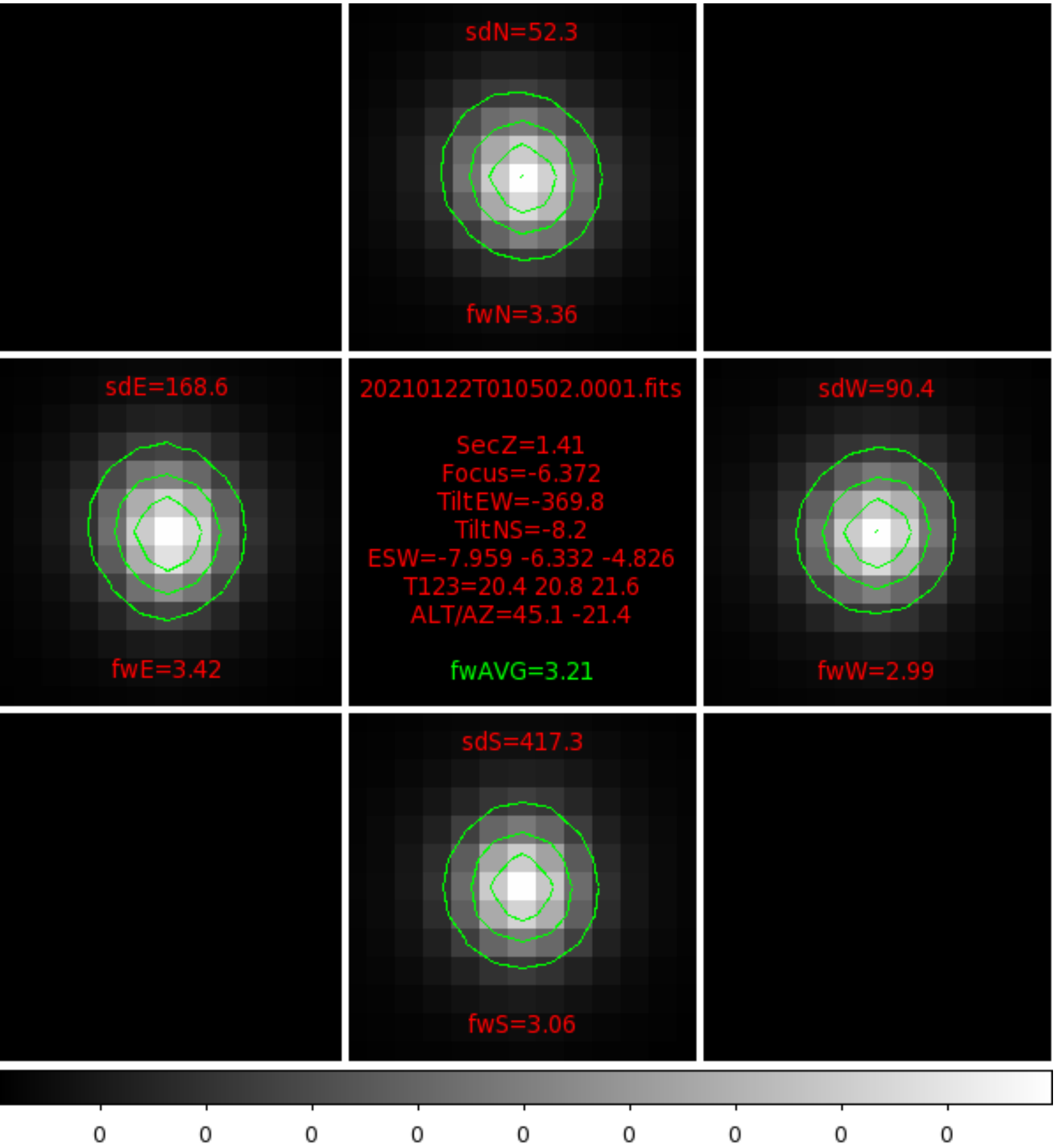
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SecZ=1.41
Focus=-6.372
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.959 -6.332 -4.826
T123=20.4 20.8 21.6
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fwAVG=3.21
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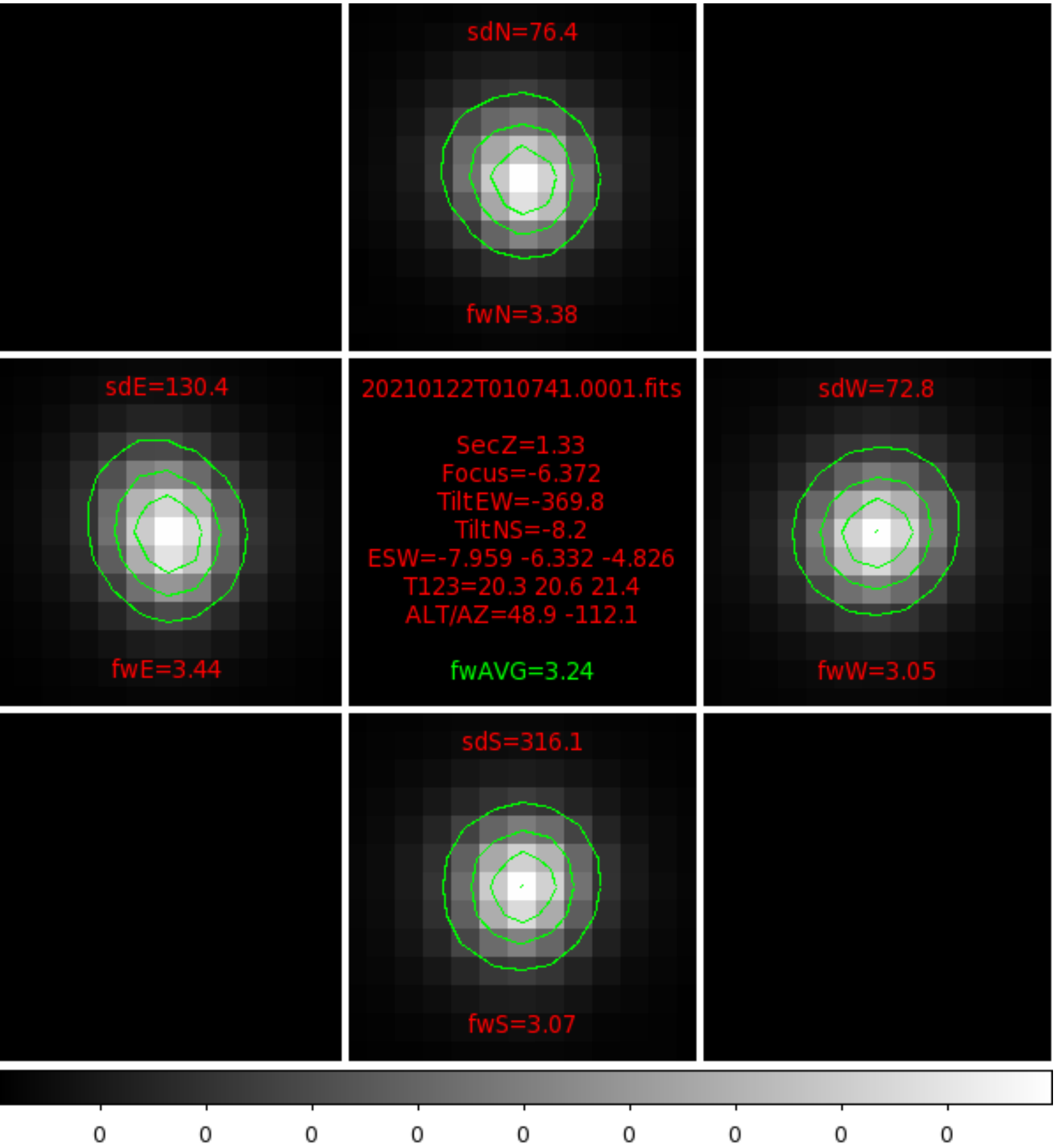
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SecZ=1.33
Focus=-6.372
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.959 -6.332 -4.826
T123=20.3 20.6 21.4
ALT/AZ=48.9 -112.1
fwAVG=3.24
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fwW=3.05
sdS=316.1
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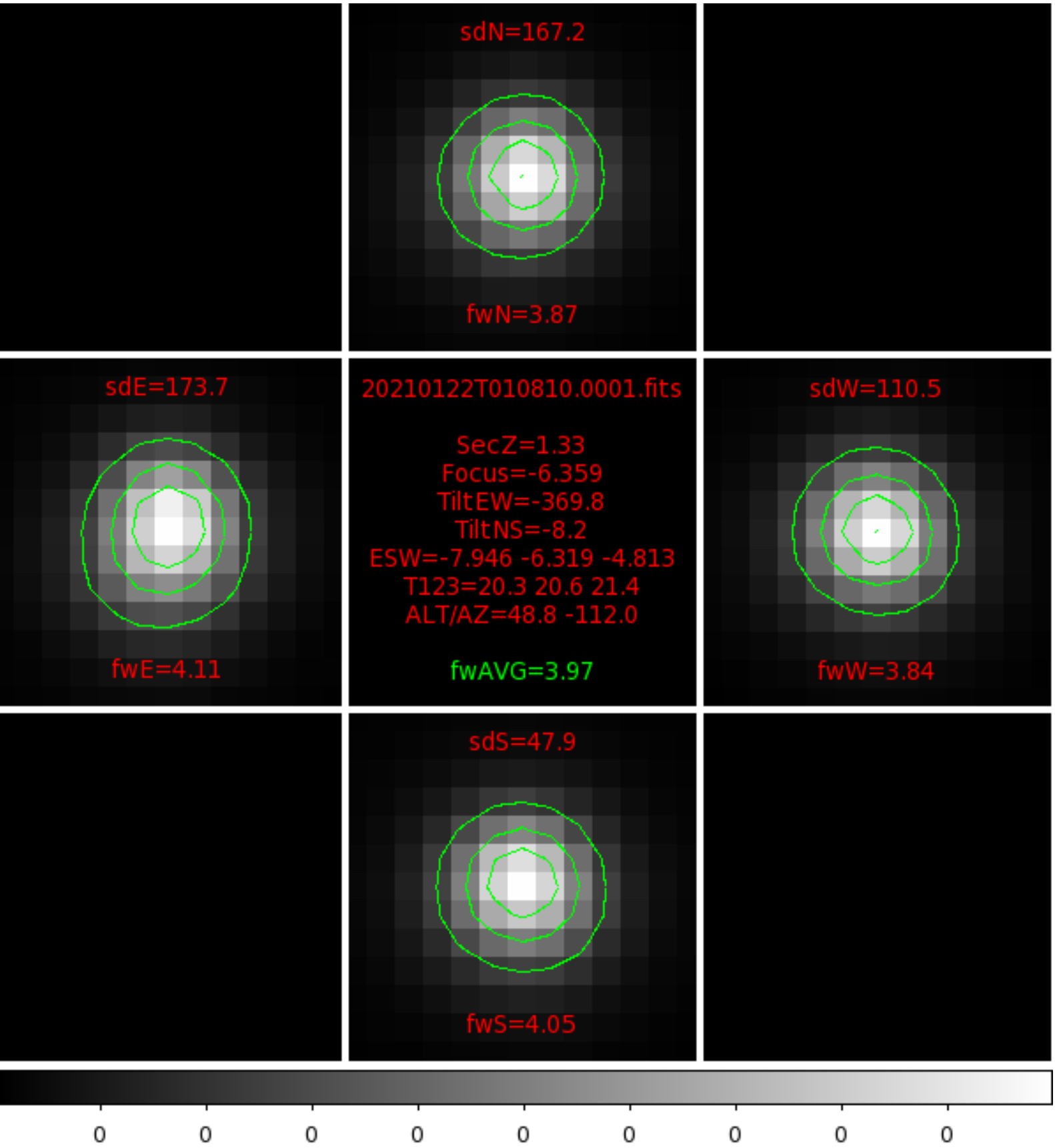
sdN=167.2
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sdE=173.7
fwE=4.11
20210122T010810.0001.fits
SecZ=1.33
Focus=-6.359
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.946 -6.319 -4.813
T123=20.3 20.6 21.4
ALT/AZ=48.8 -112.0
fwAVG=3.97
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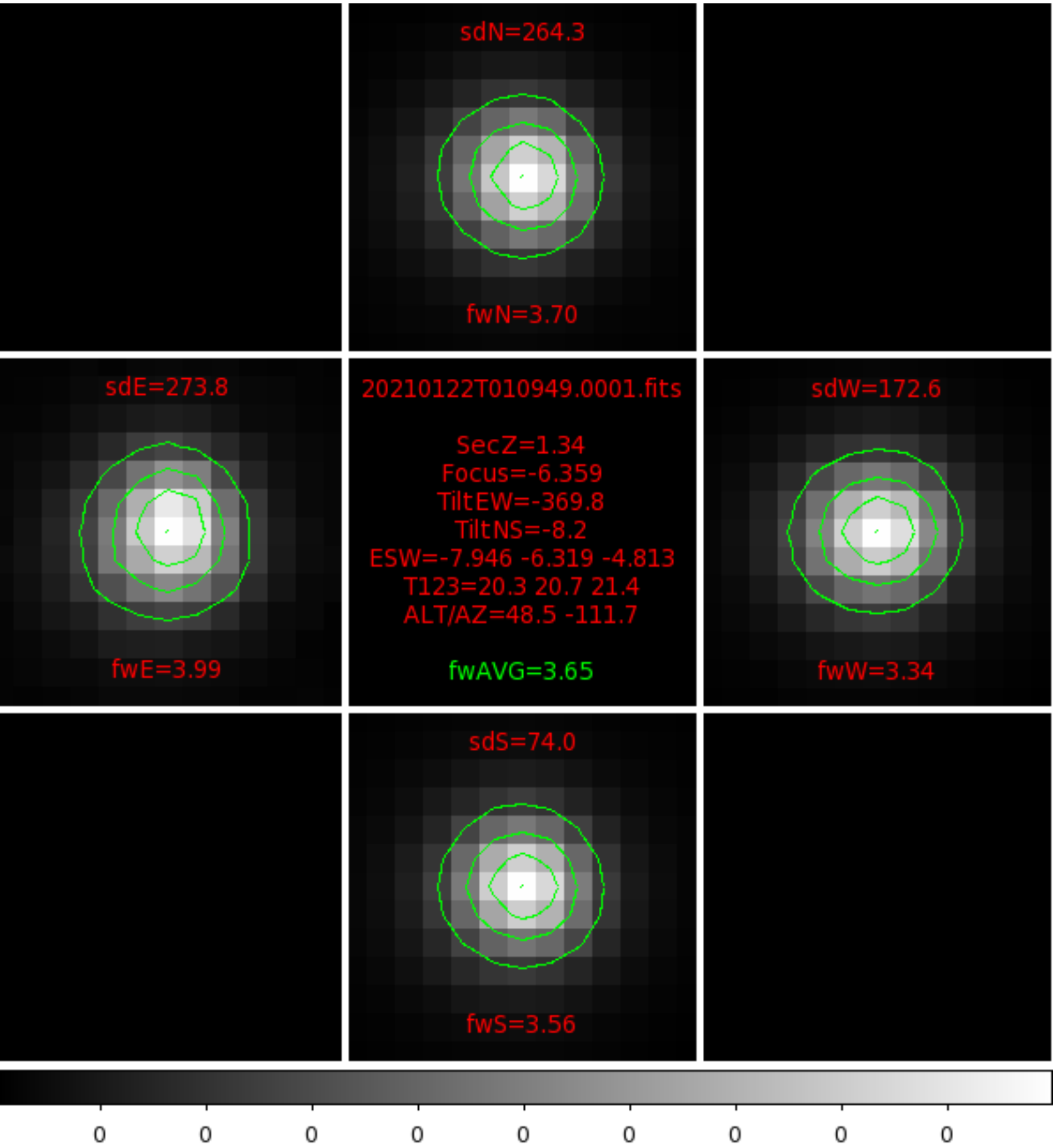
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20210122T010949.0001.fits
SecZ=1.34
Focus=-6.359
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.946 -6.319 -4.813
T123=20.3 20.7 21.4
ALT/AZ=48.5 -111.7
fwAVG=3.65
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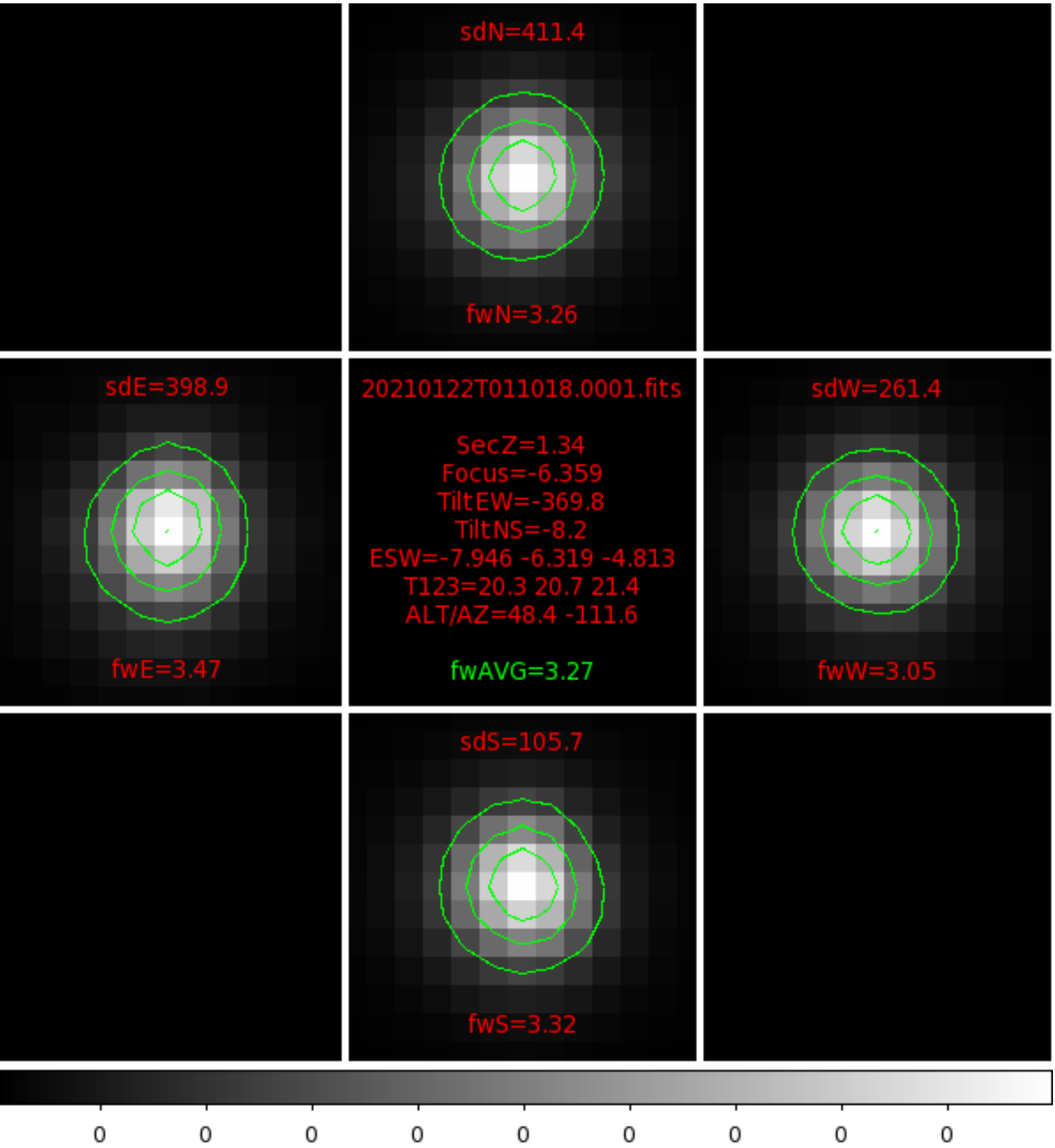
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SecZ=1.34
Focus=-6.359
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.946 -6.319 -4.813
T123=20.3 20.7 21.4
ALT/AZ=48.4 -111.6
fwAVG=3.27
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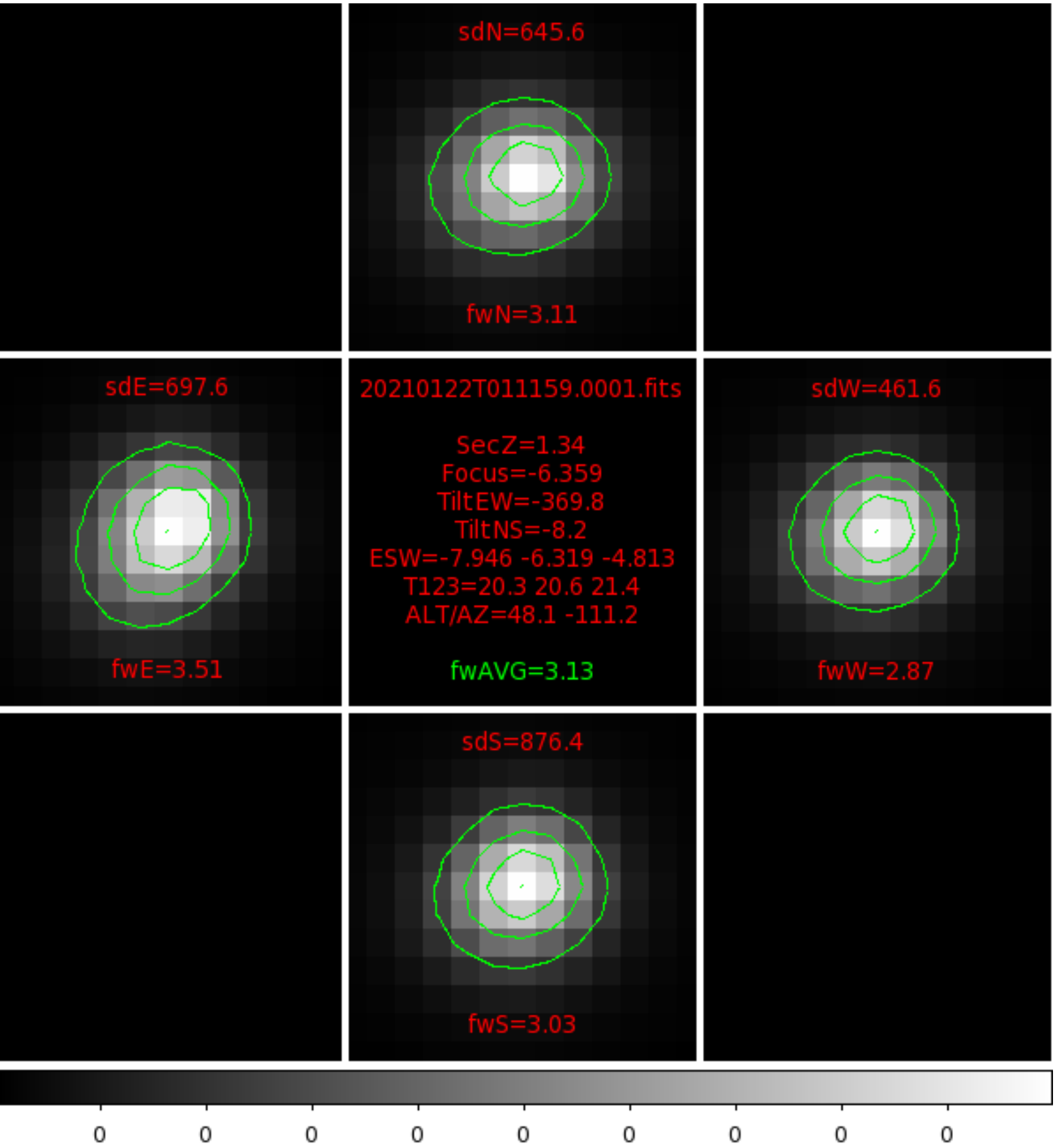
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Focus=-6.359
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.946 -6.319 -4.813
T123=20.3 20.6 21.4
ALT/AZ=48.1 -111.2
fwAVG=3.13
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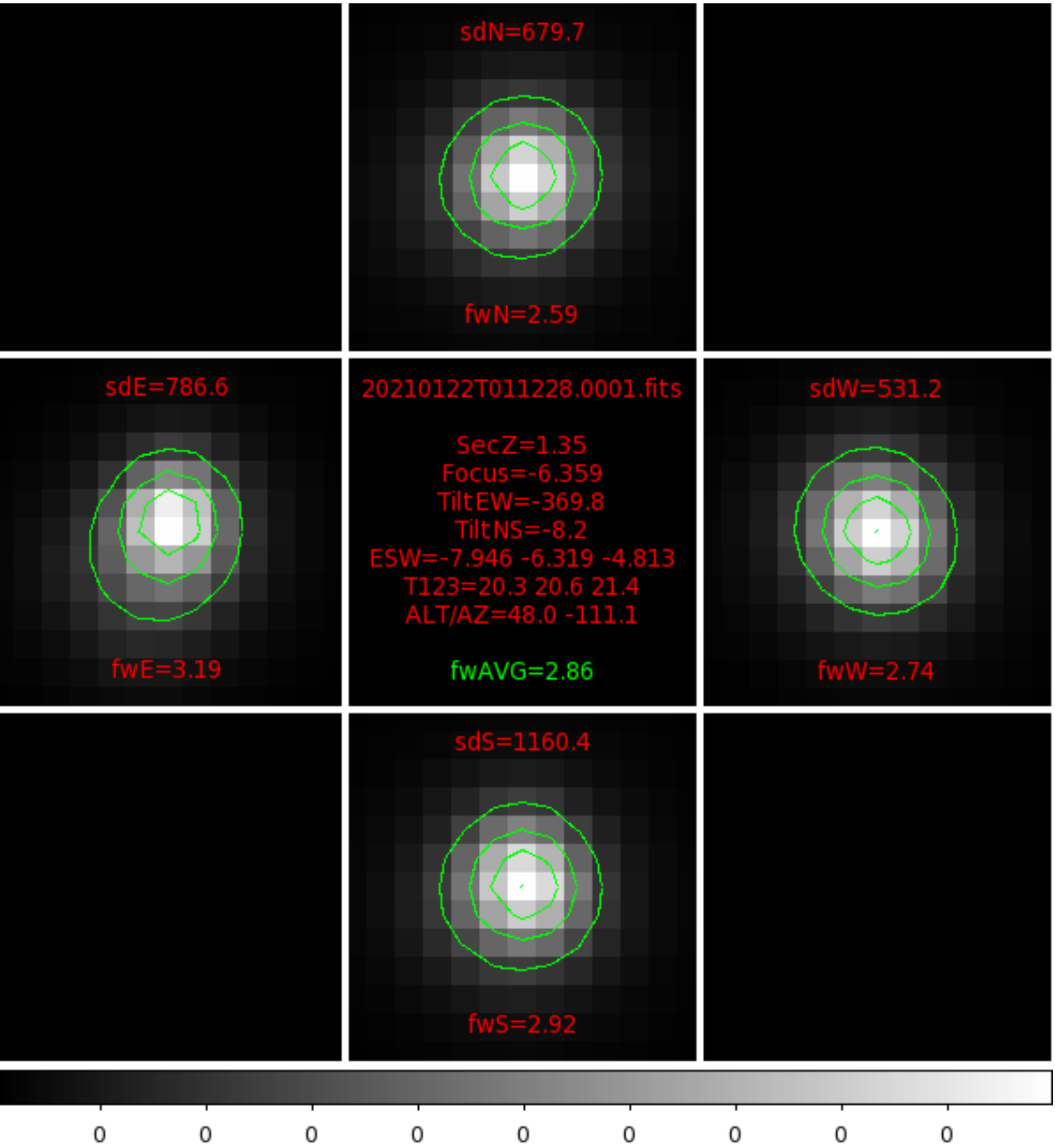
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SecZ=1.35
Focus=-6.359
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.946 -6.319 -4.813
T123=20.3 20.6 21.4
ALT/AZ=48.0 -111.1
fwAVG=2.86
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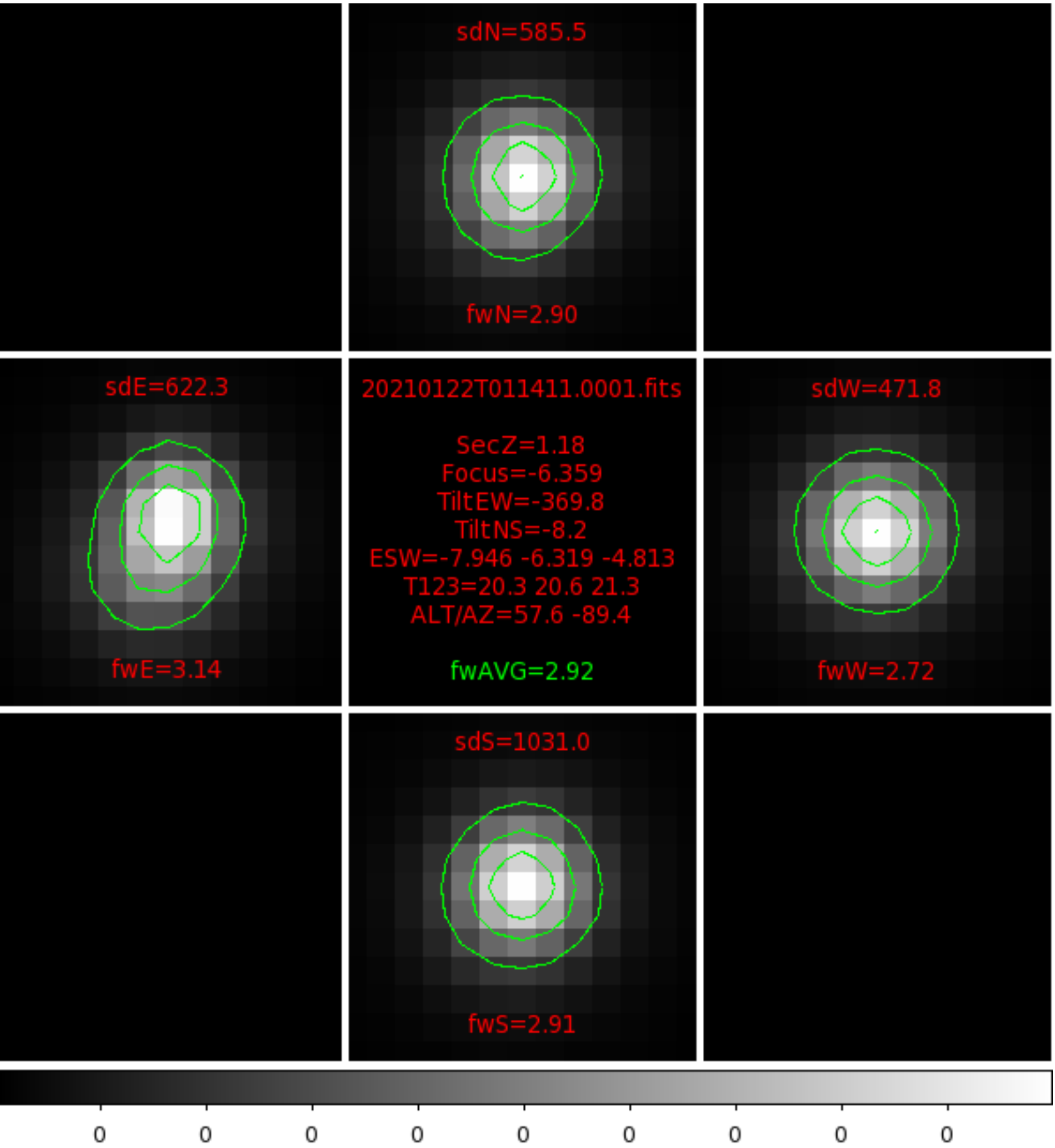
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Focus=-6.359
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.946 -6.319 -4.813
T123=20.3 20.6 21.3
ALT/AZ=57.6 -89.4
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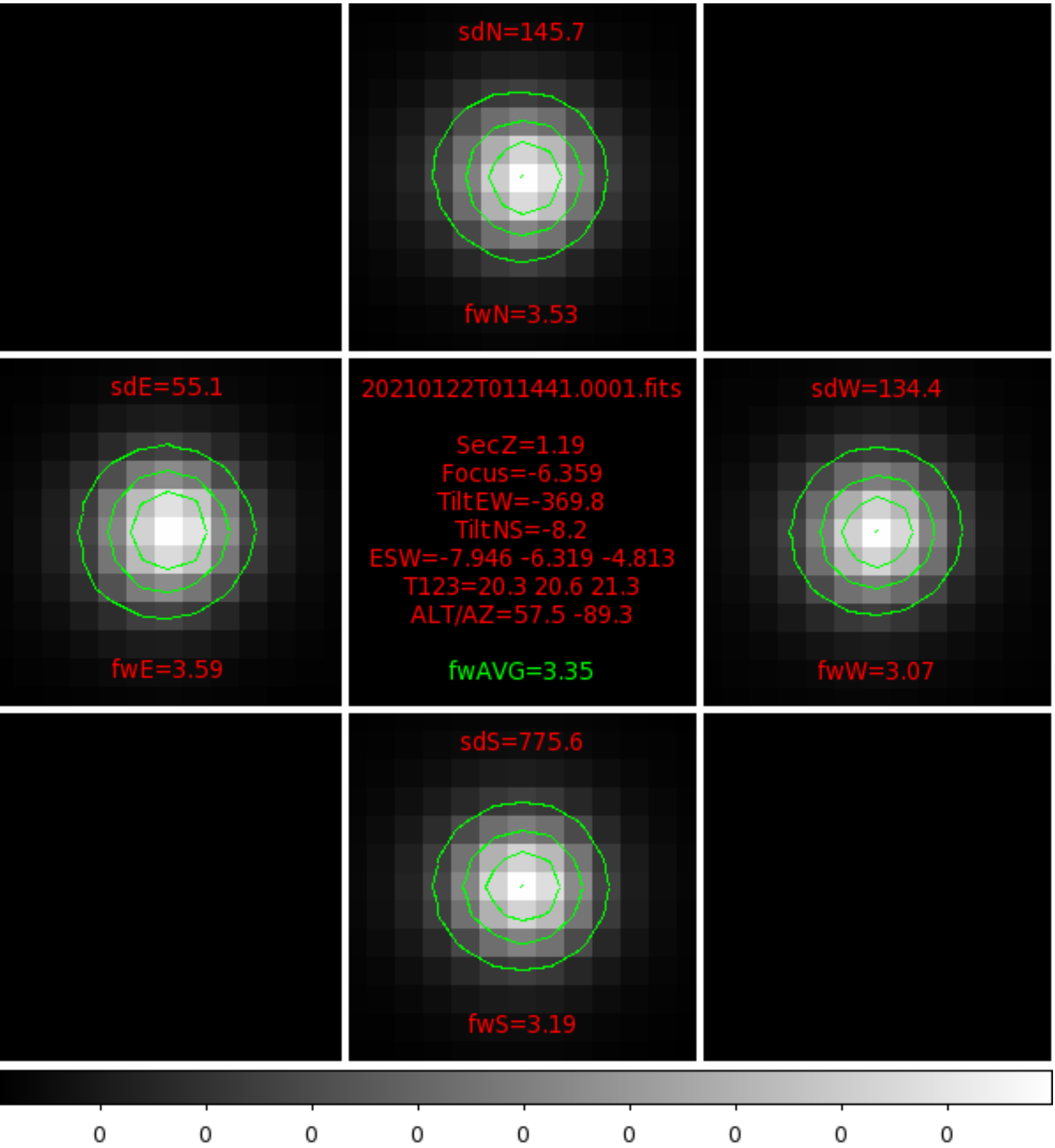
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SecZ=1.19
Focus=-6.359
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.946 -6.319 -4.813
T123=20.3 20.6 21.3
ALT/AZ=57.5 -89.3
fwAVG=3.35
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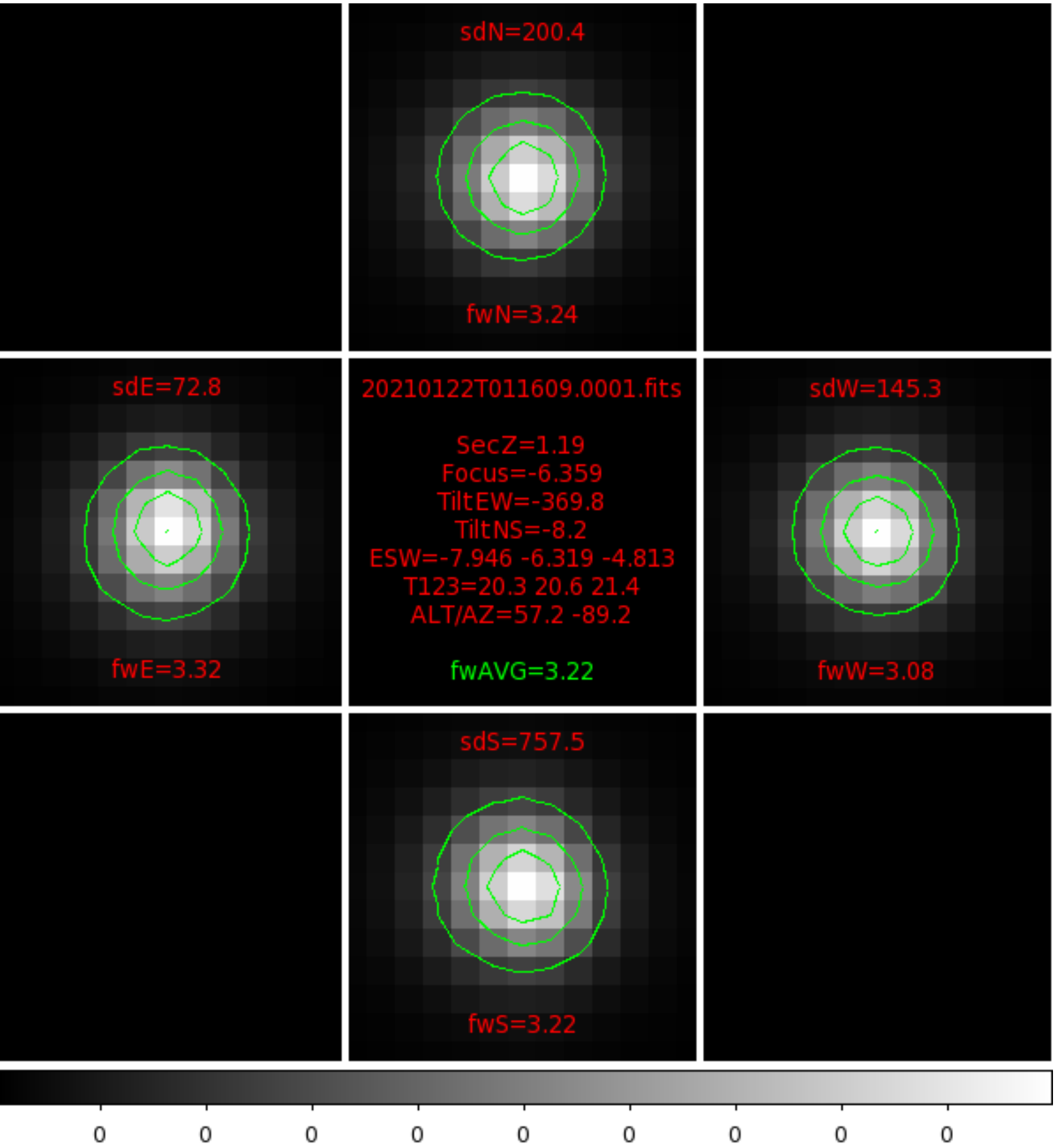
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Focus=-6.359
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.946 -6.319 -4.813
T123=20.3 20.6 21.4
ALT/AZ=57.2 -89.2
fwAVG=3.22
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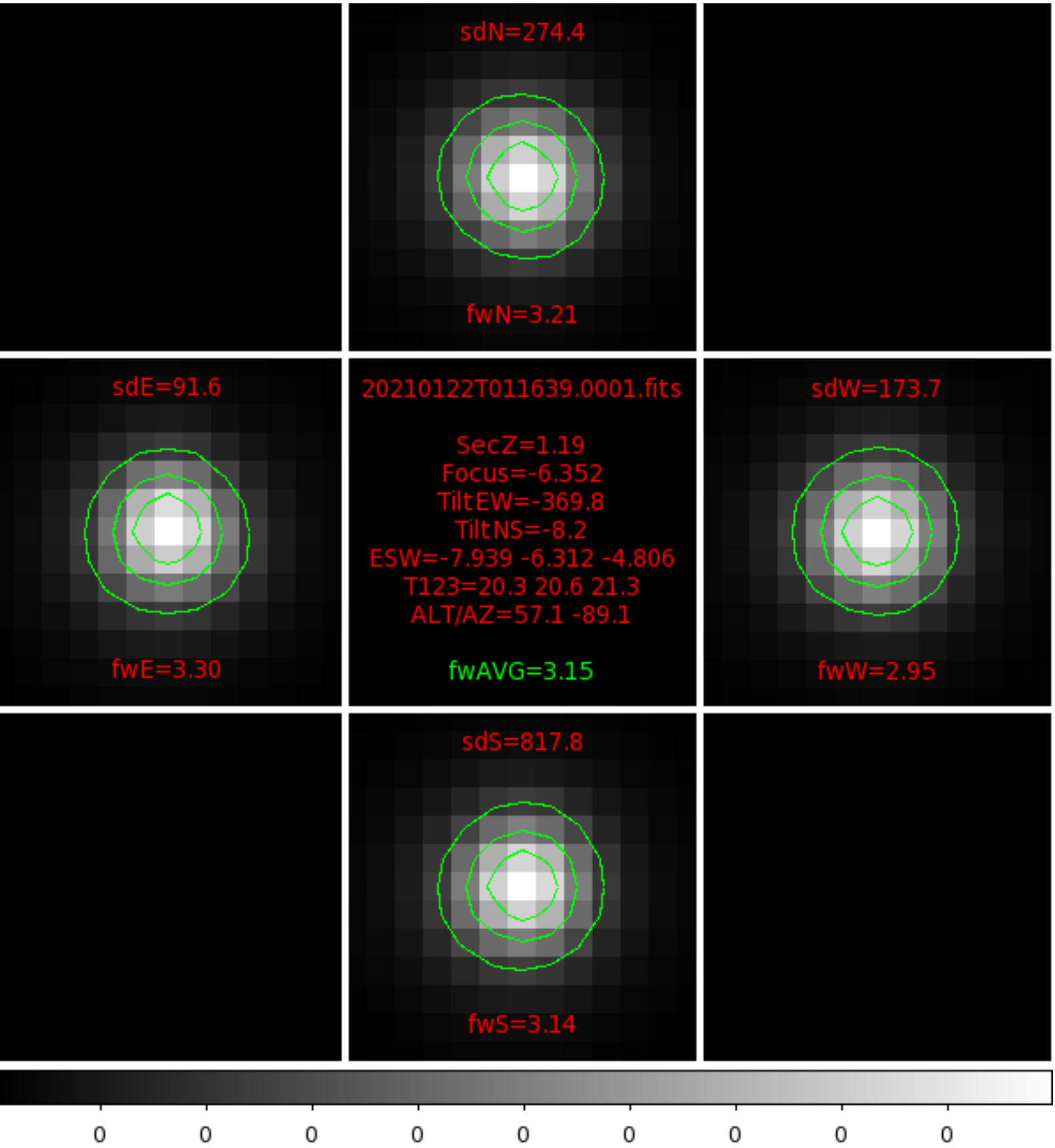
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sdE=91.6
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SecZ=1.19
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.3 20.6 21.3
ALT/AZ=57.1 -89.1
fwAVG=3.15
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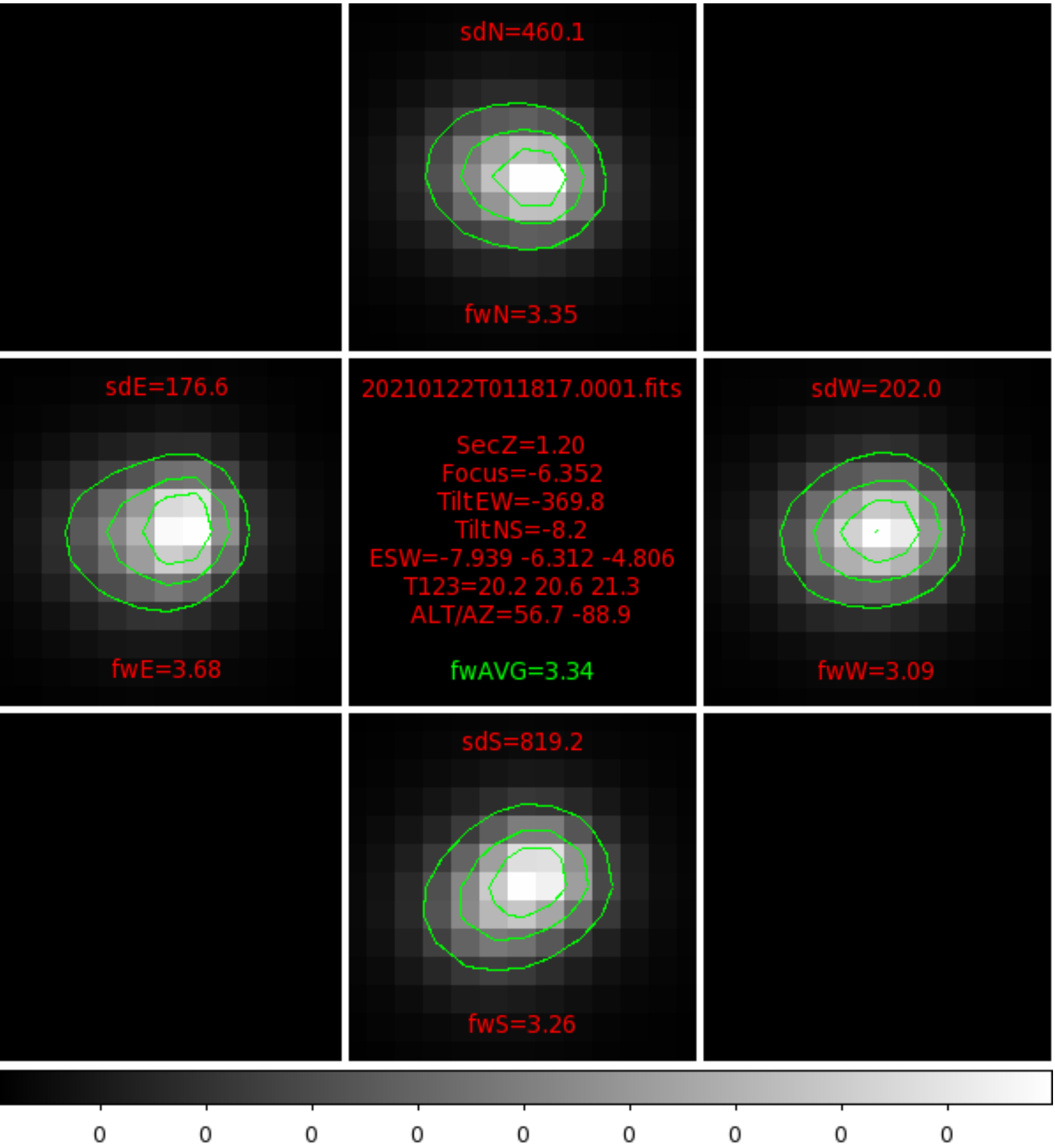
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sdE=176.6
fwE=3.68
20210122T011817.0001.fits
SecZ=1.20
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.2 20.6 21.3
ALT/AZ=56.7 -88.9
fwAVG=3.34
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sdS=819.2
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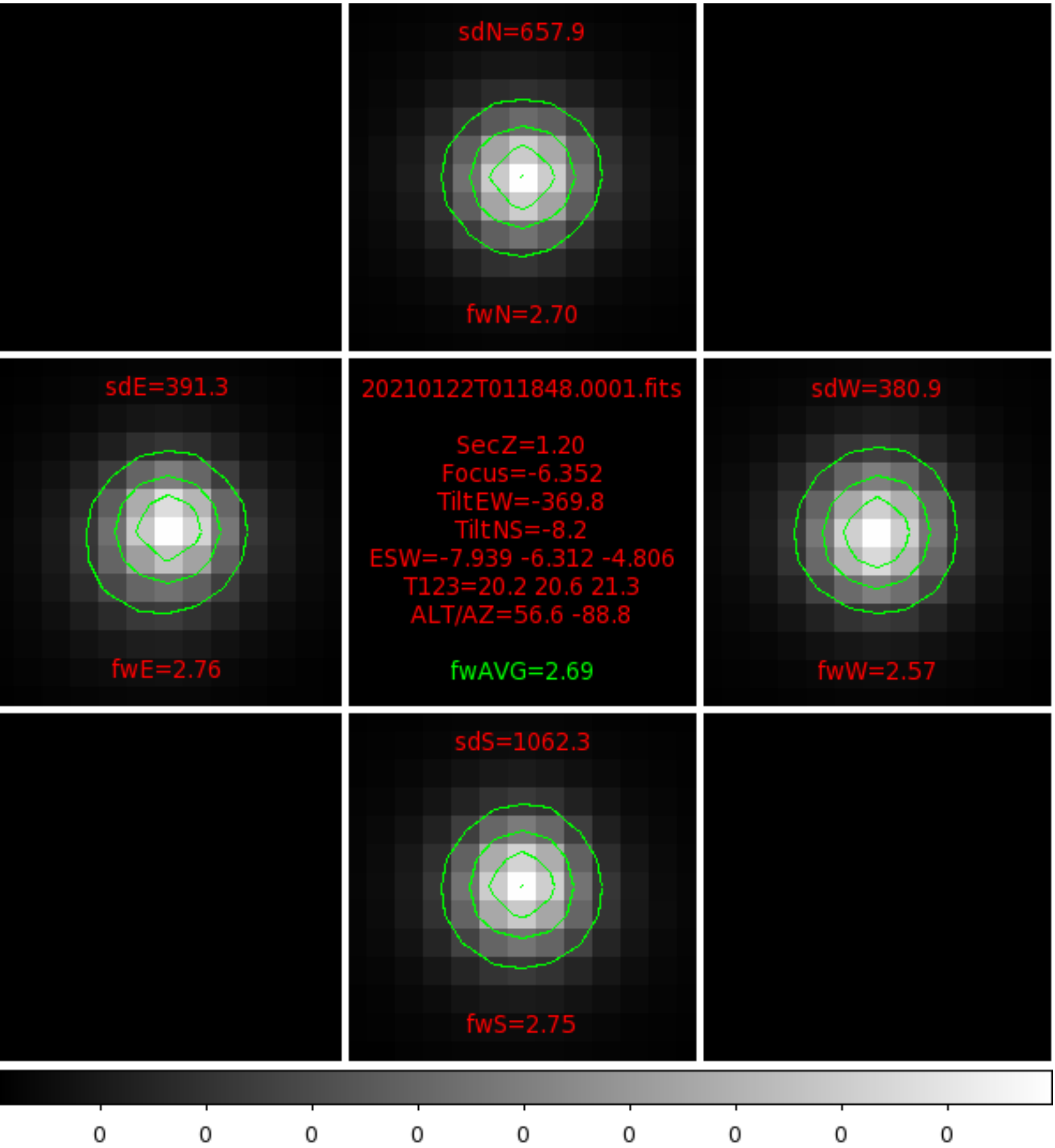
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SecZ=1.20
Focus=-6.352
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TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.2 20.6 21.3
ALT/AZ=56.6 -88.8
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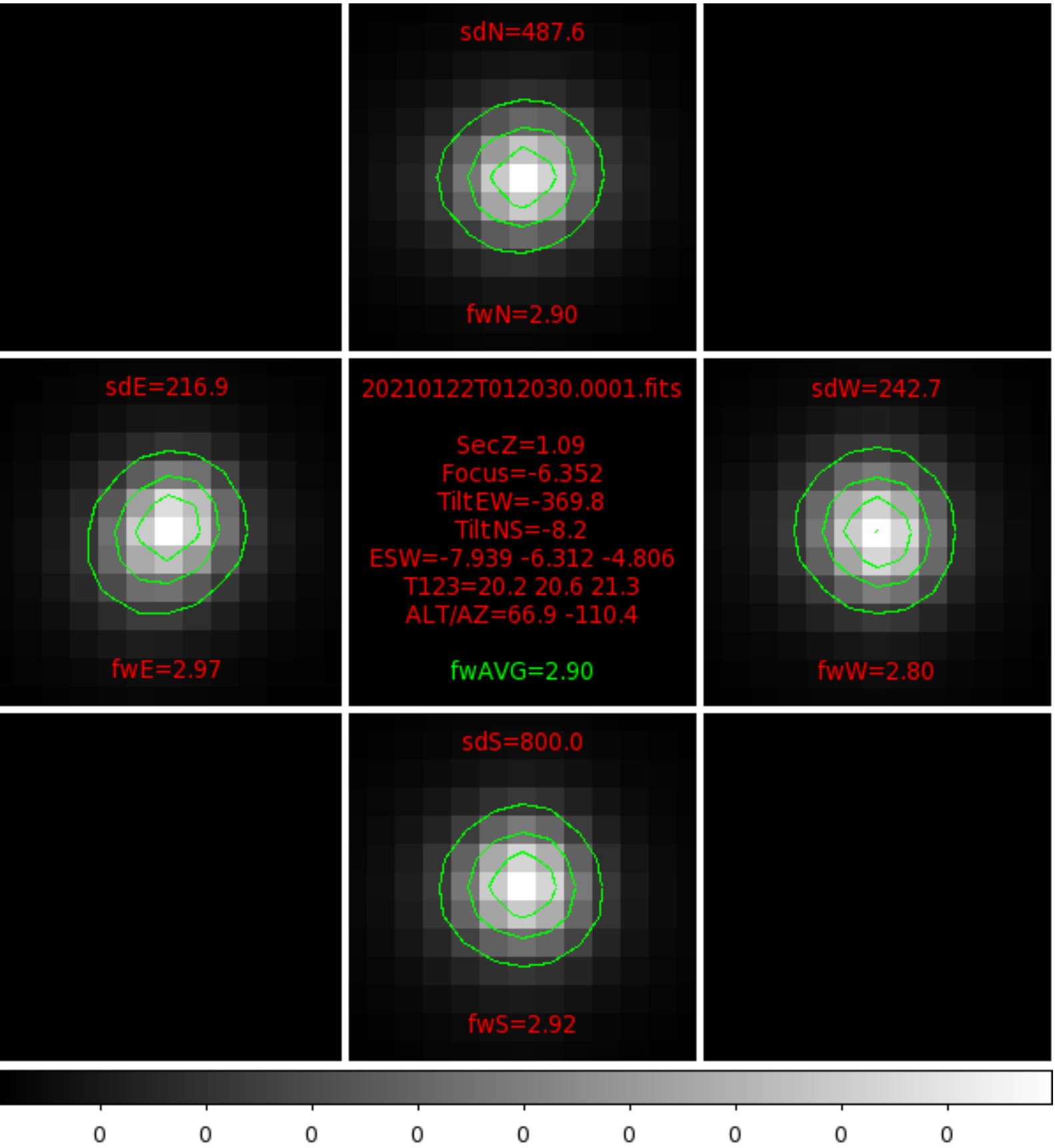
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SecZ=1.09
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TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.2 20.6 21.3
ALT/AZ=66.9 -110.4
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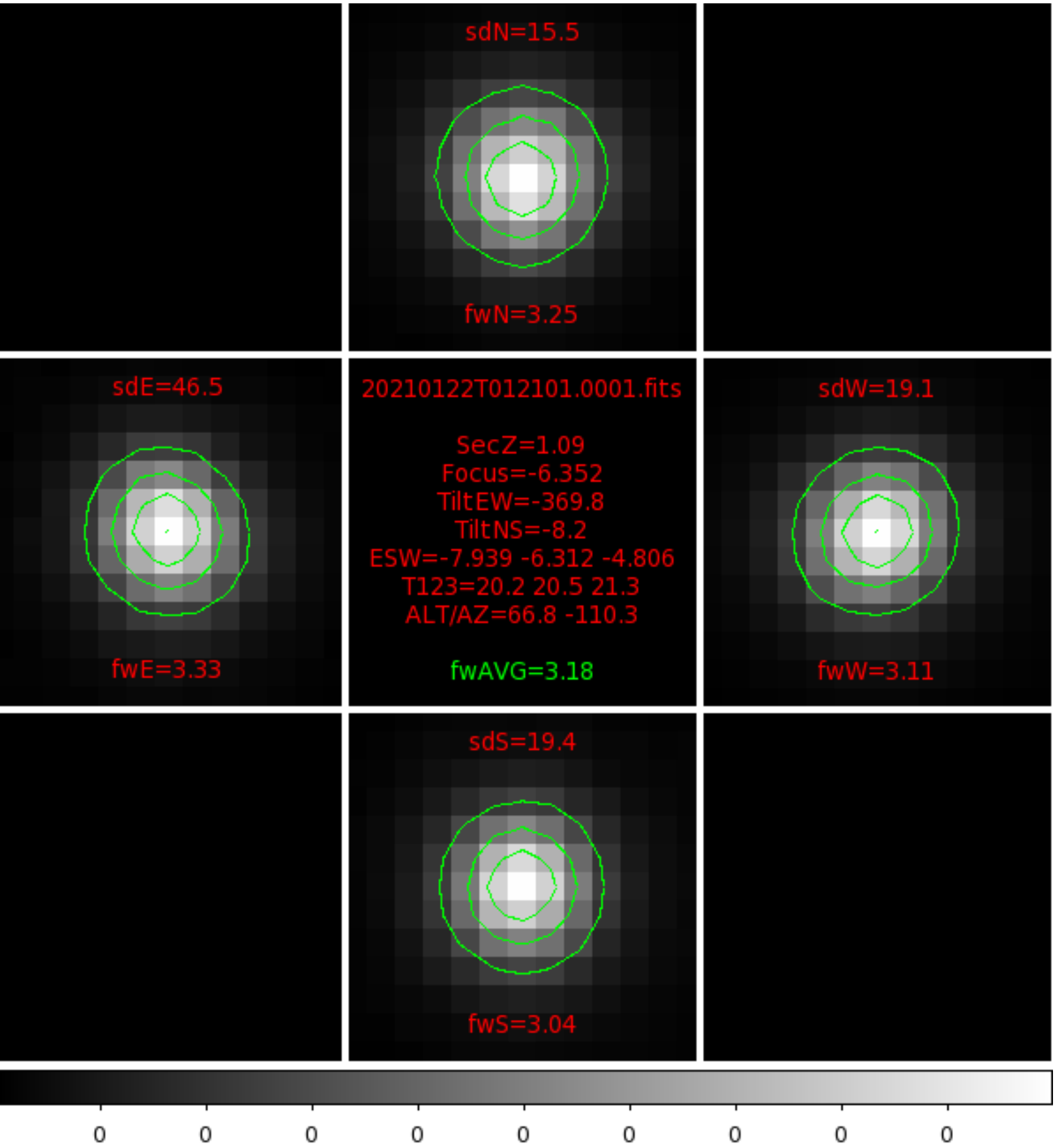
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ESW=-7.939 -6.312 -4.806
T123=20.2 20.5 21.3
ALT/AZ=66.8 -110.3
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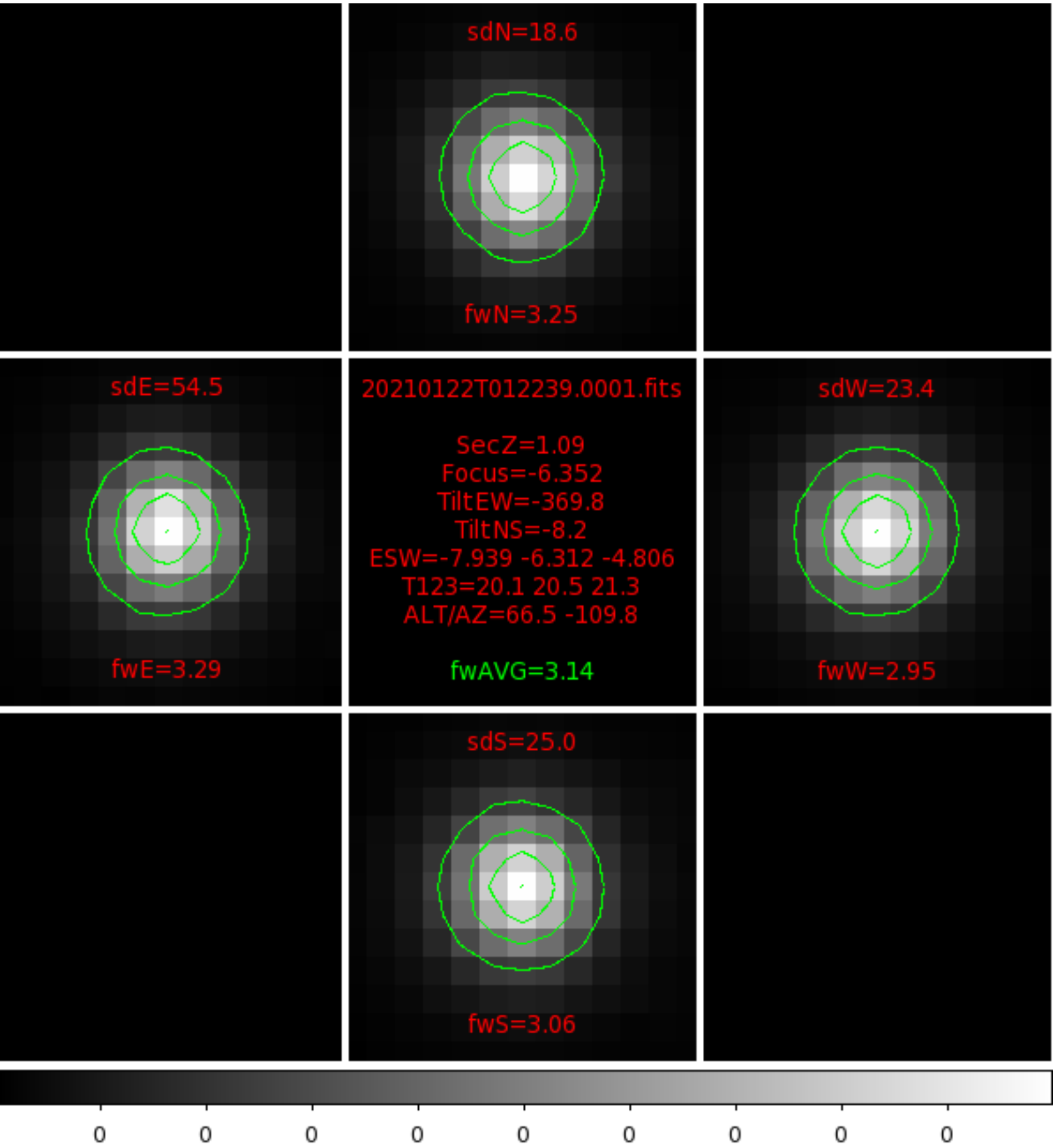
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sdE=54.5
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SecZ=1.09
Focus=-6.352
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TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.1 20.5 21.3
ALT/AZ=66.5 -109.8
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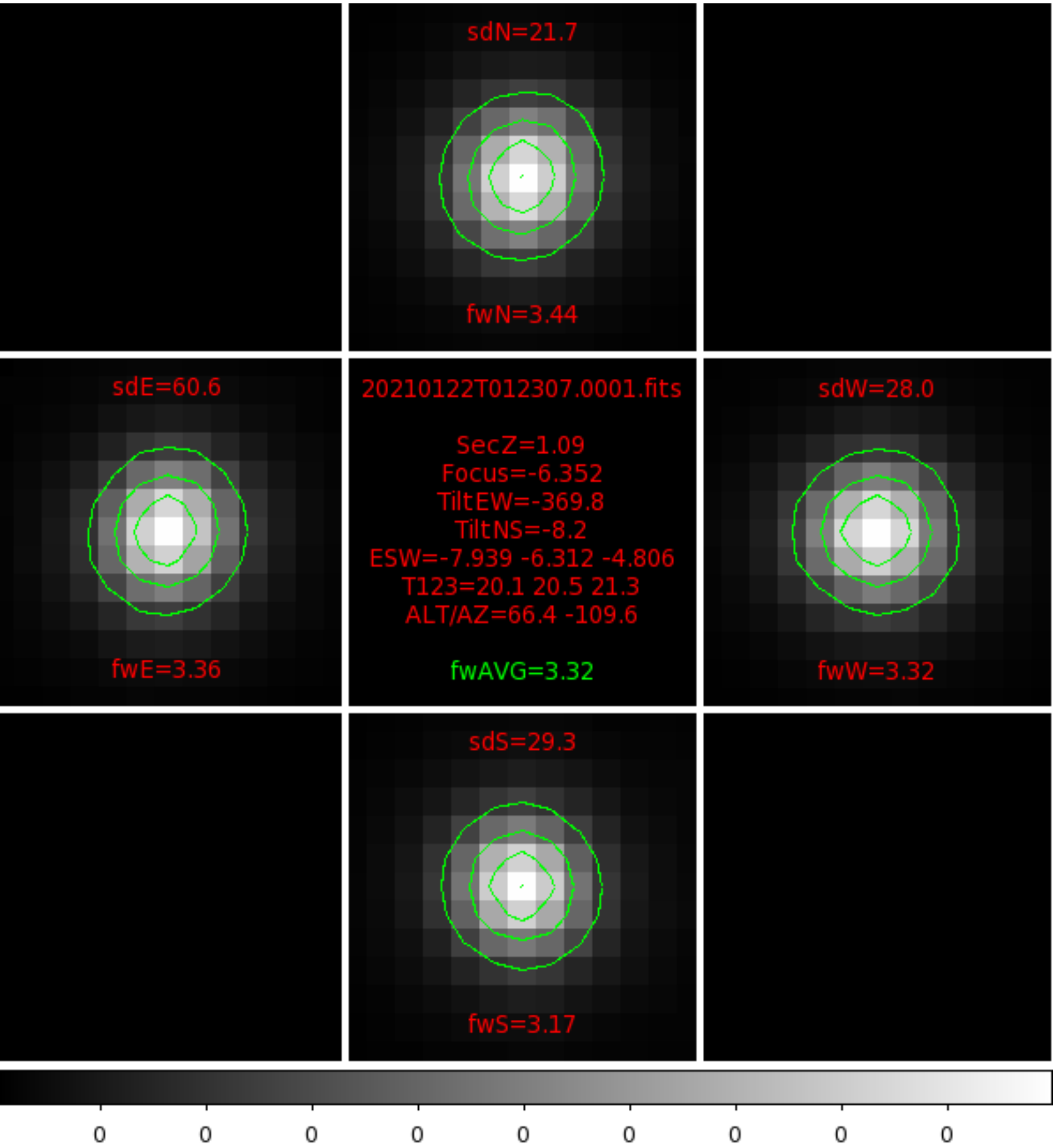
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SecZ=1.09
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TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.1 20.5 21.3
ALT/AZ=66.4 -109.6
fwAVG=3.32
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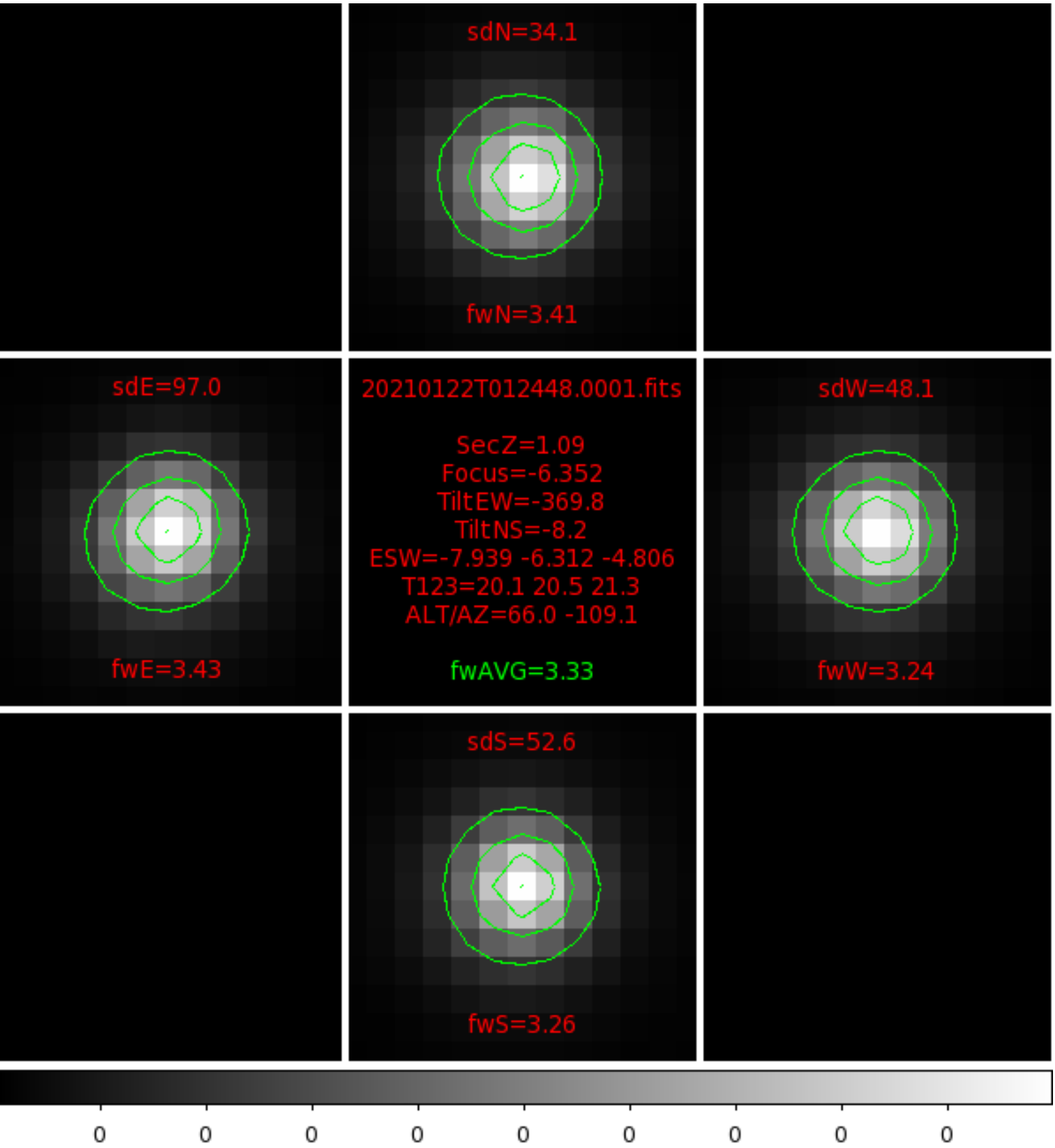
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SecZ=1.09
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ESW=-7.939 -6.312 -4.806
T123=20.1 20.5 21.3
ALT/AZ=66.0 -109.1
fwAVG=3.33
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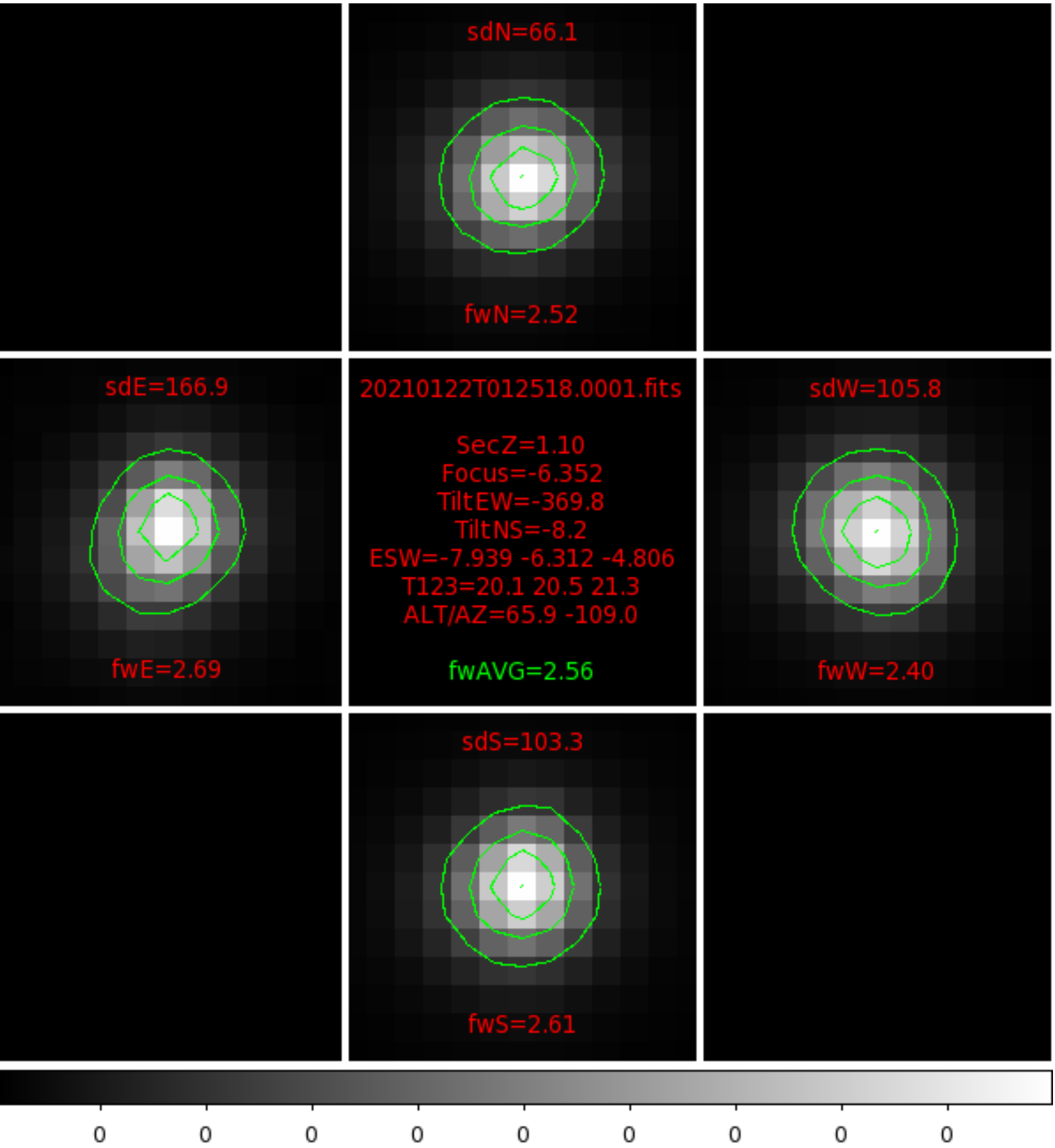
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ESW=-7.939 -6.312 -4.806
T123=20.1 20.5 21.3
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fwAVG=2.56
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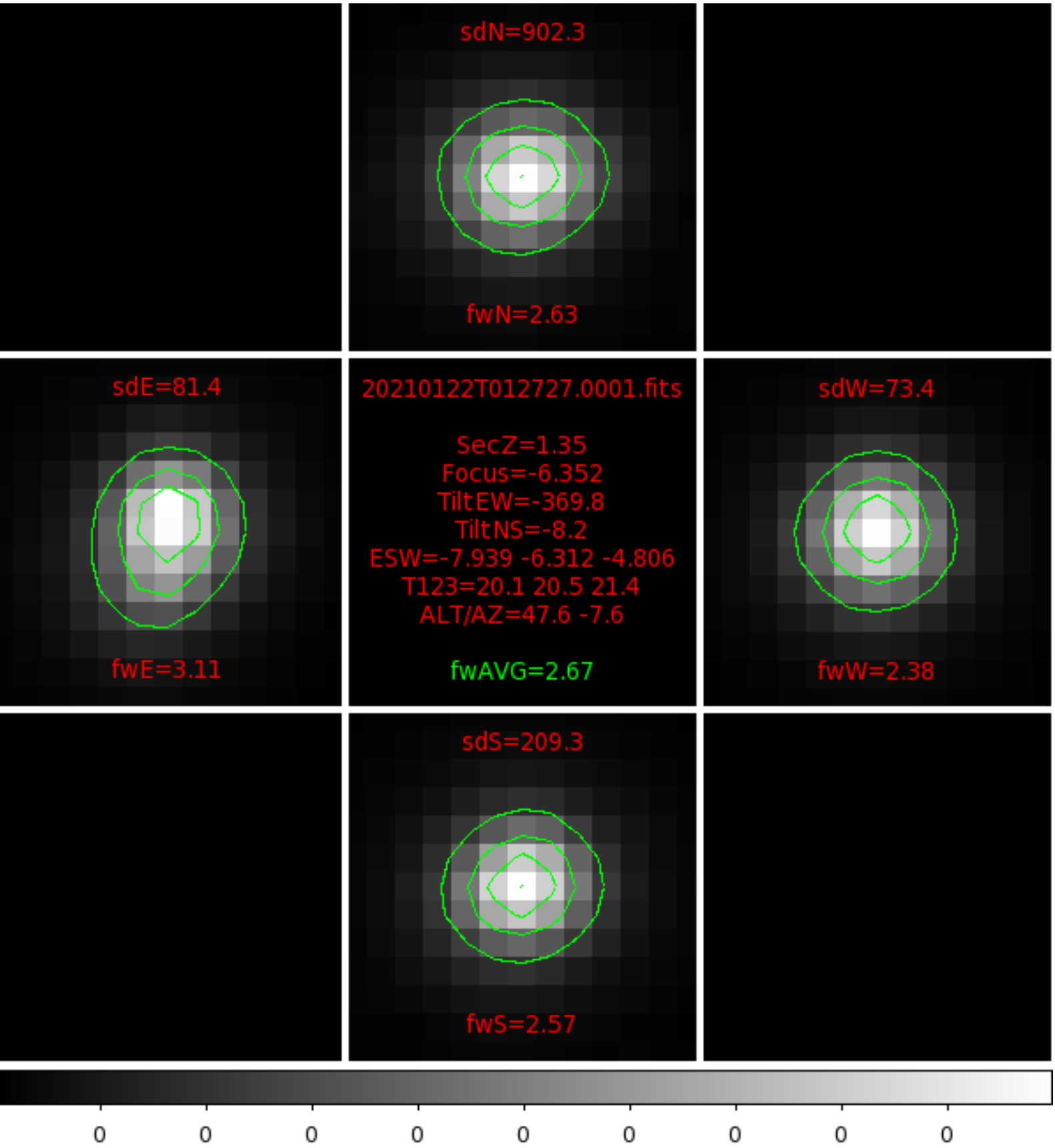
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SecZ=1.35
Focus=-6.352
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ESW=-7.939 -6.312 -4.806
T123=20.1 20.5 21.4
ALT/AZ=47.6 -7.6
fwAVG=2.67
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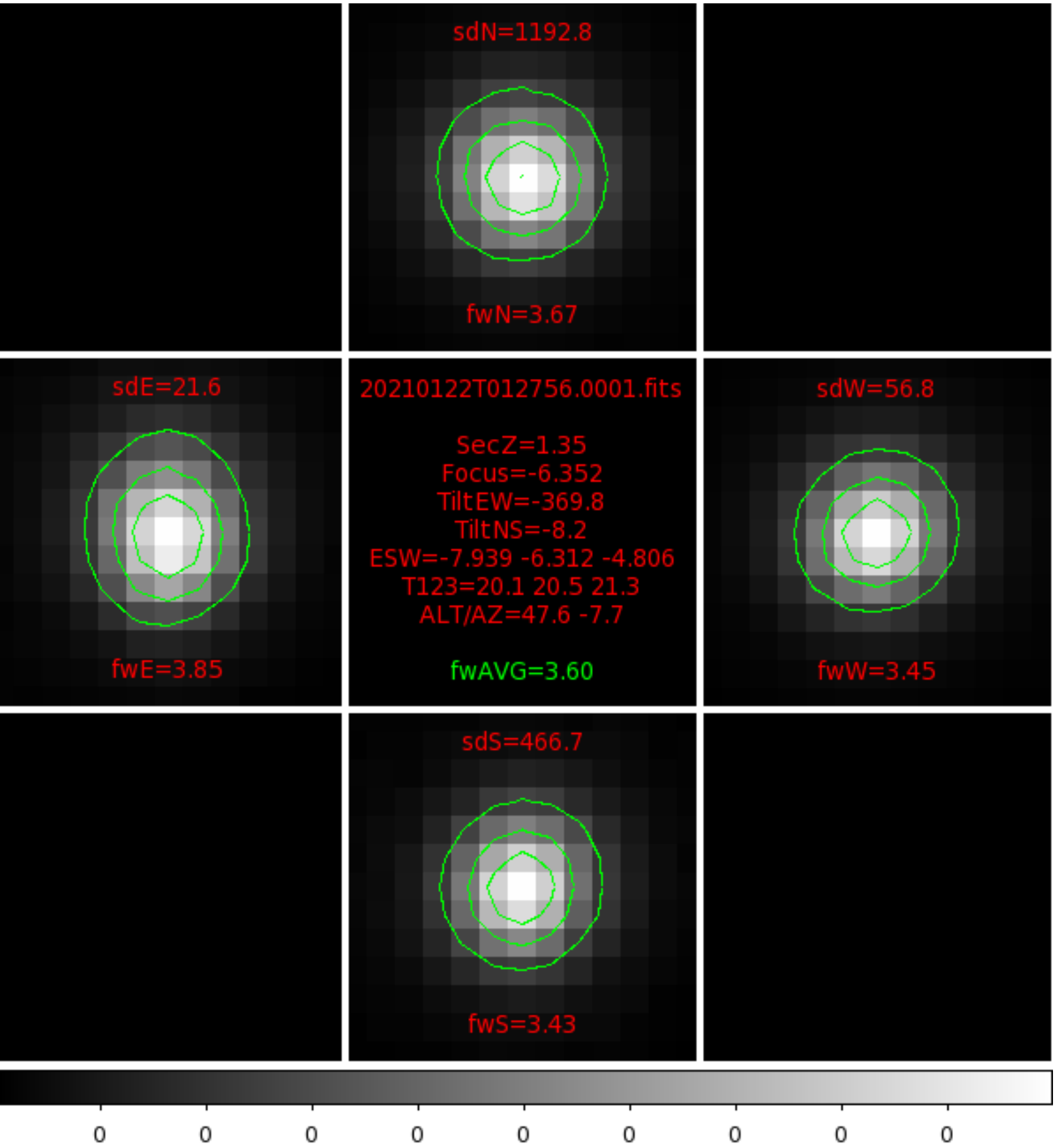
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ESW=-7.939 -6.312 -4.806
T123=20.1 20.5 21.3
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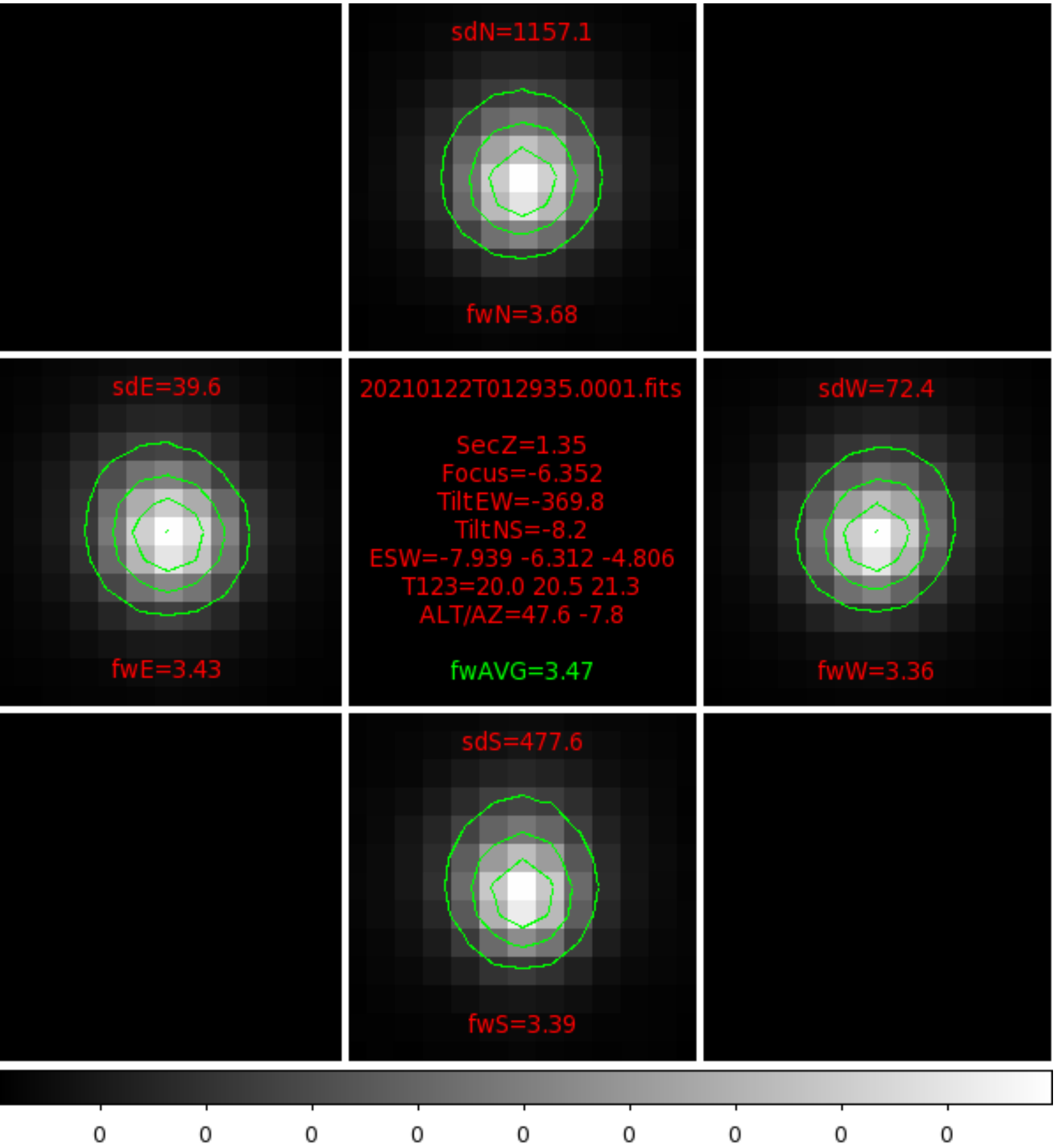
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ESW=-7.939 -6.312 -4.806
T123=20.0 20.5 21.3
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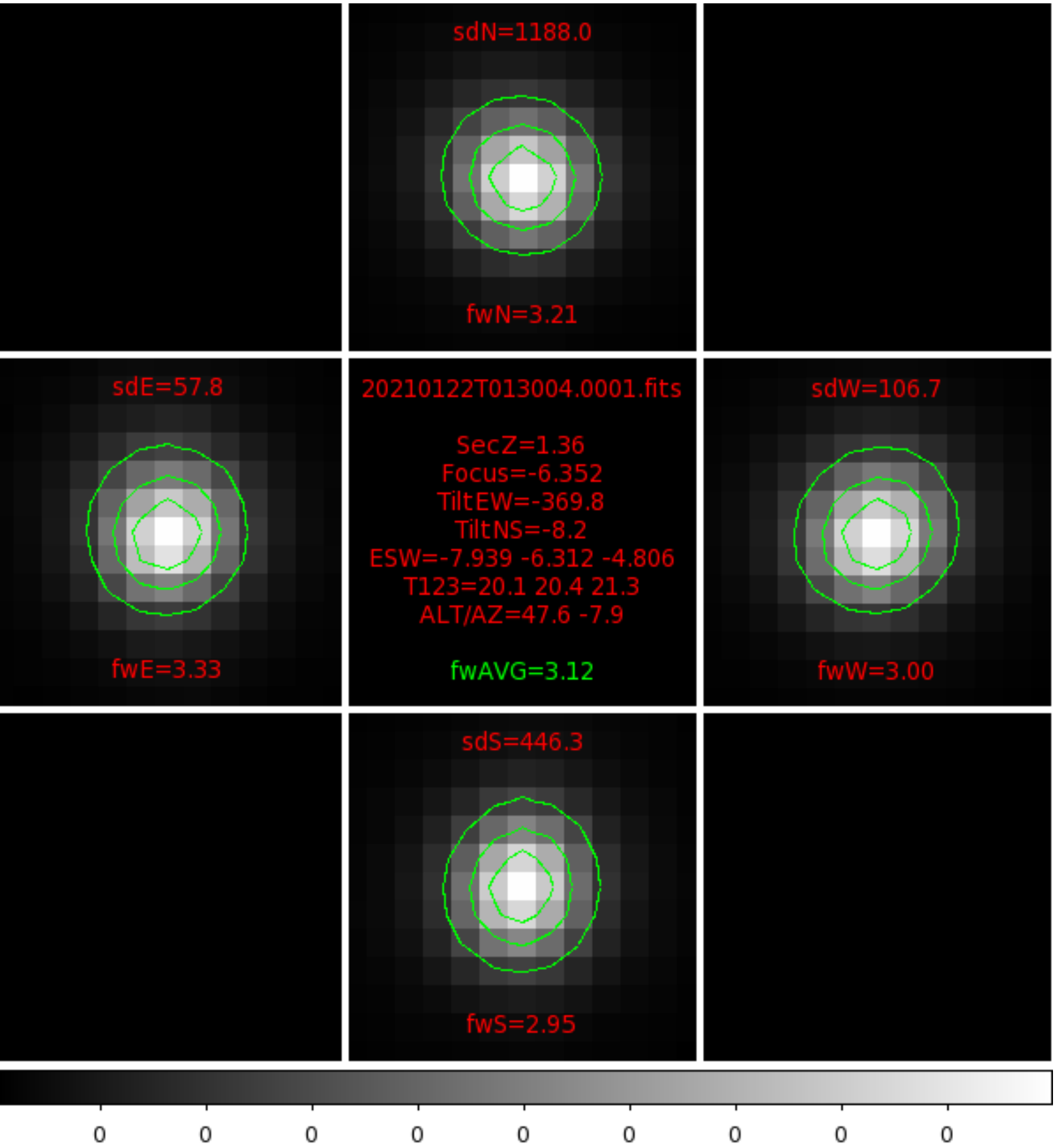
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SecZ=1.36
Focus=-6.352
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TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.1 20.4 21.3
ALT/AZ=47.6 -7.9
fwAVG=3.12
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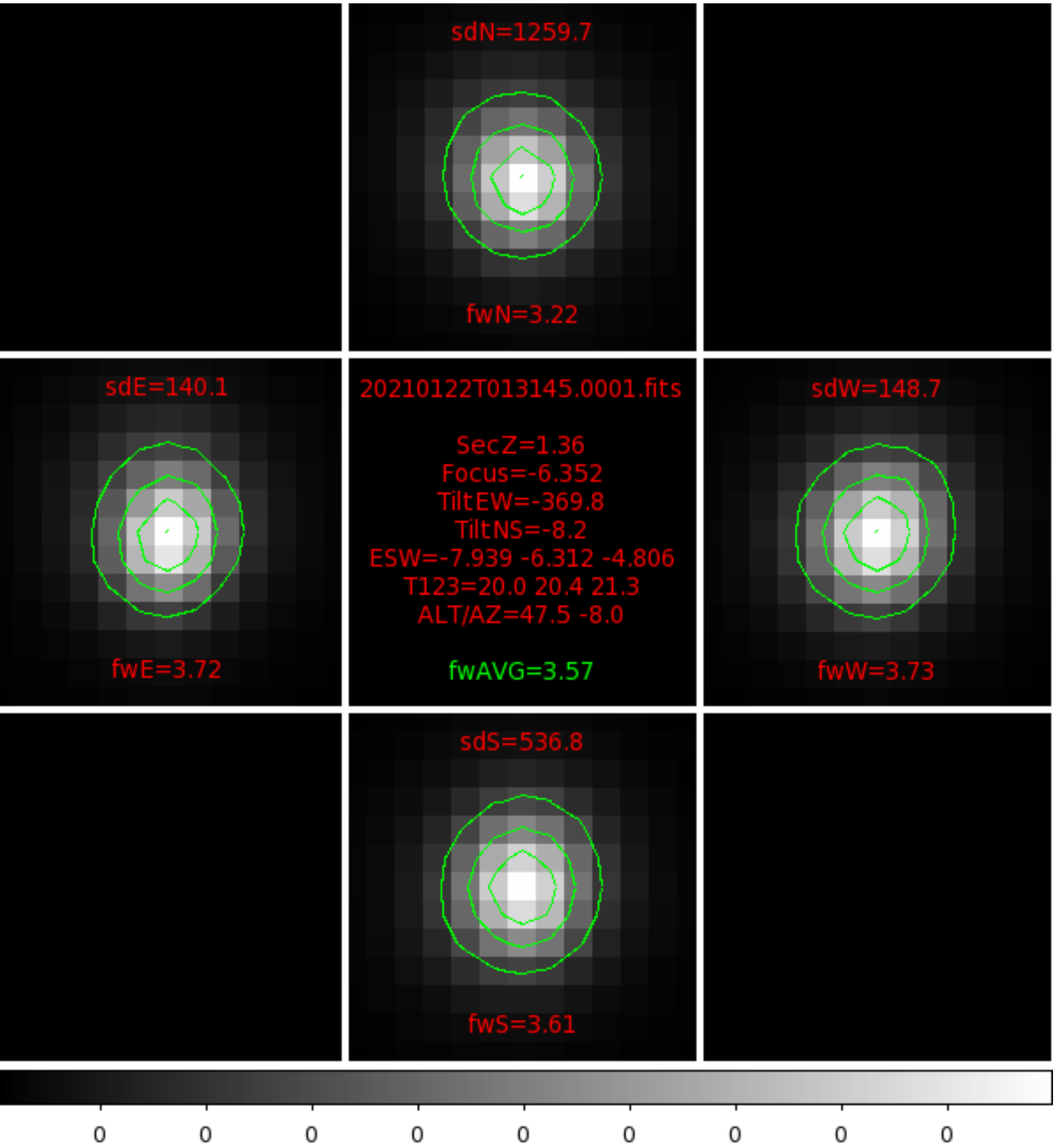
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SecZ=1.36
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ESW=-7.939 -6.312 -4.806
T123=20.0 20.4 21.3
ALT/AZ=47.5 -8.0
fwAVG=3.57
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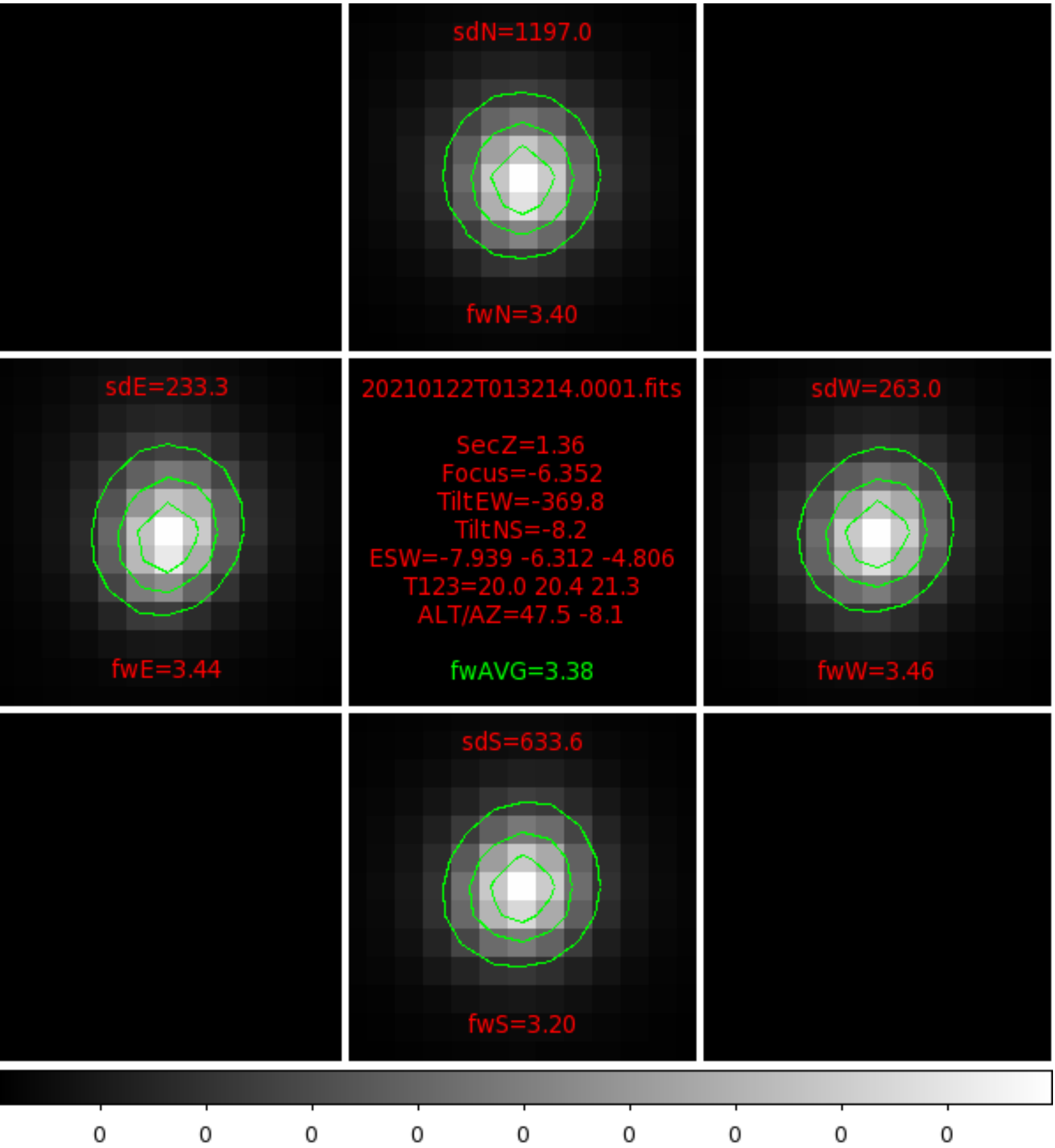
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SecZ=1.36
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TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.0 20.4 21.3
ALT/AZ=47.5 -8.1
fwAVG=3.38
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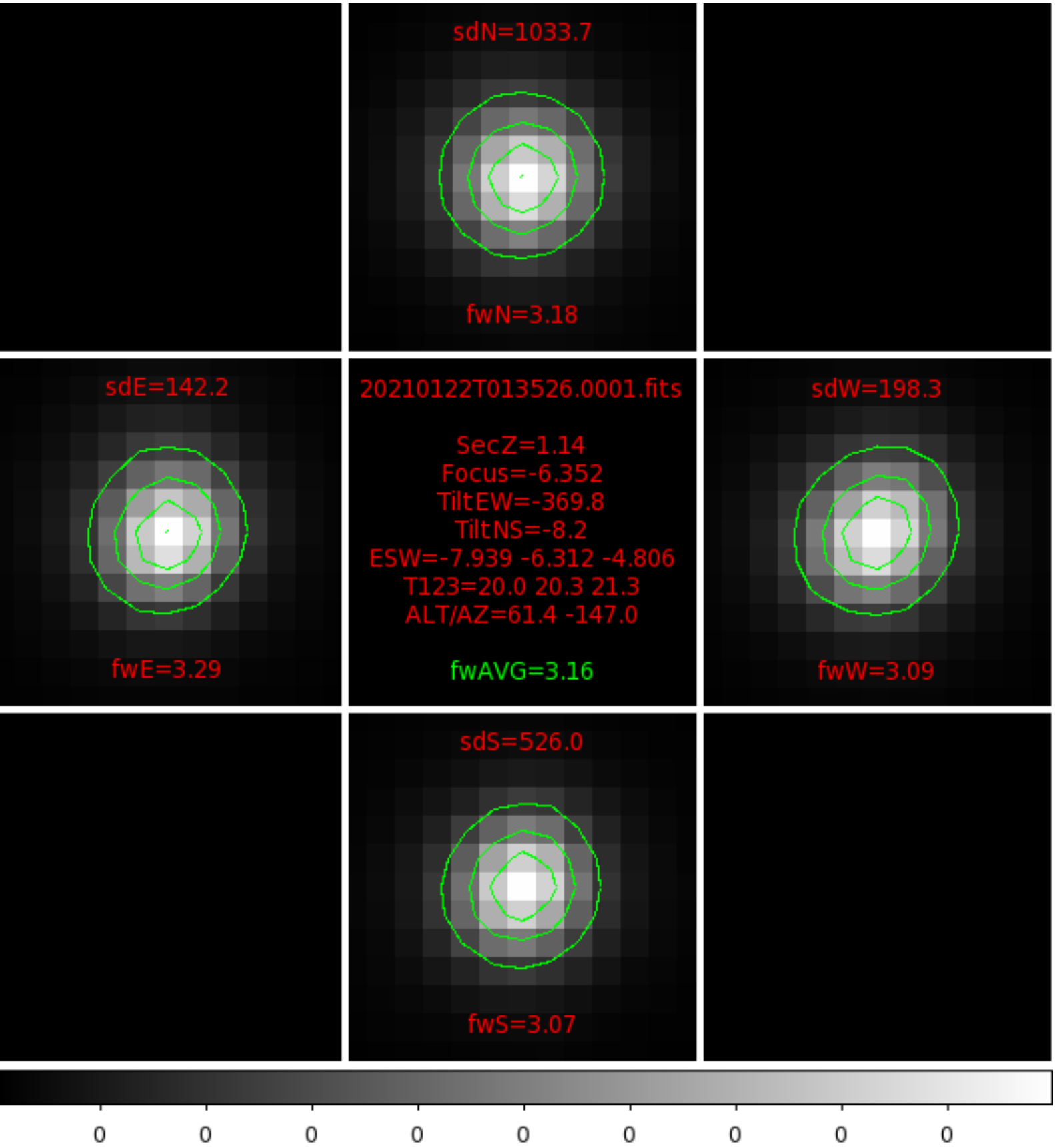
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SecZ=1.14
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.0 20.3 21.3
ALT/AZ=61.4 -147.0
fwAVG=3.16
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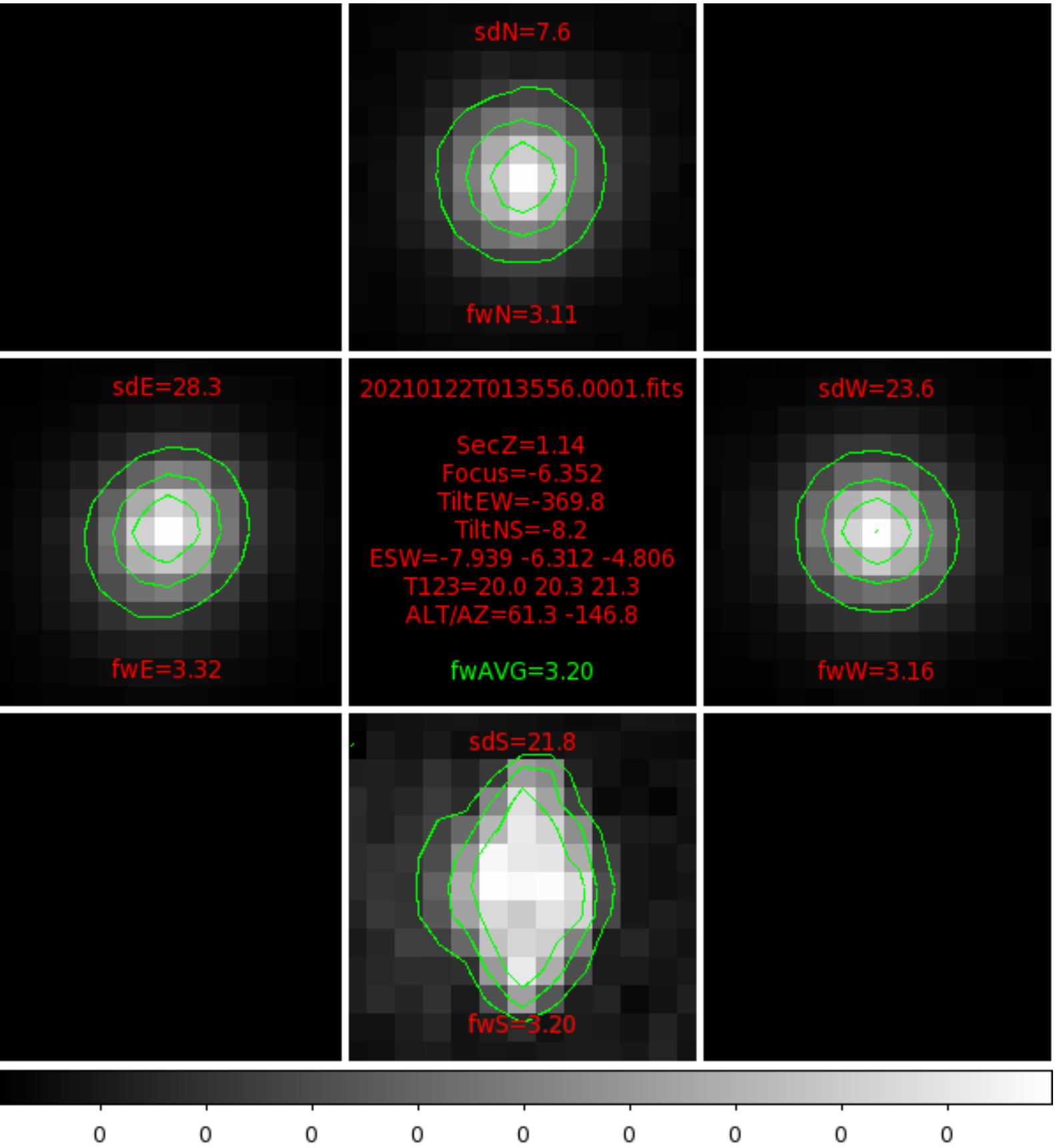
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SecZ=1.14
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.0 20.3 21.3
ALT/AZ=61.3 -146.8
fwAVG=3.20
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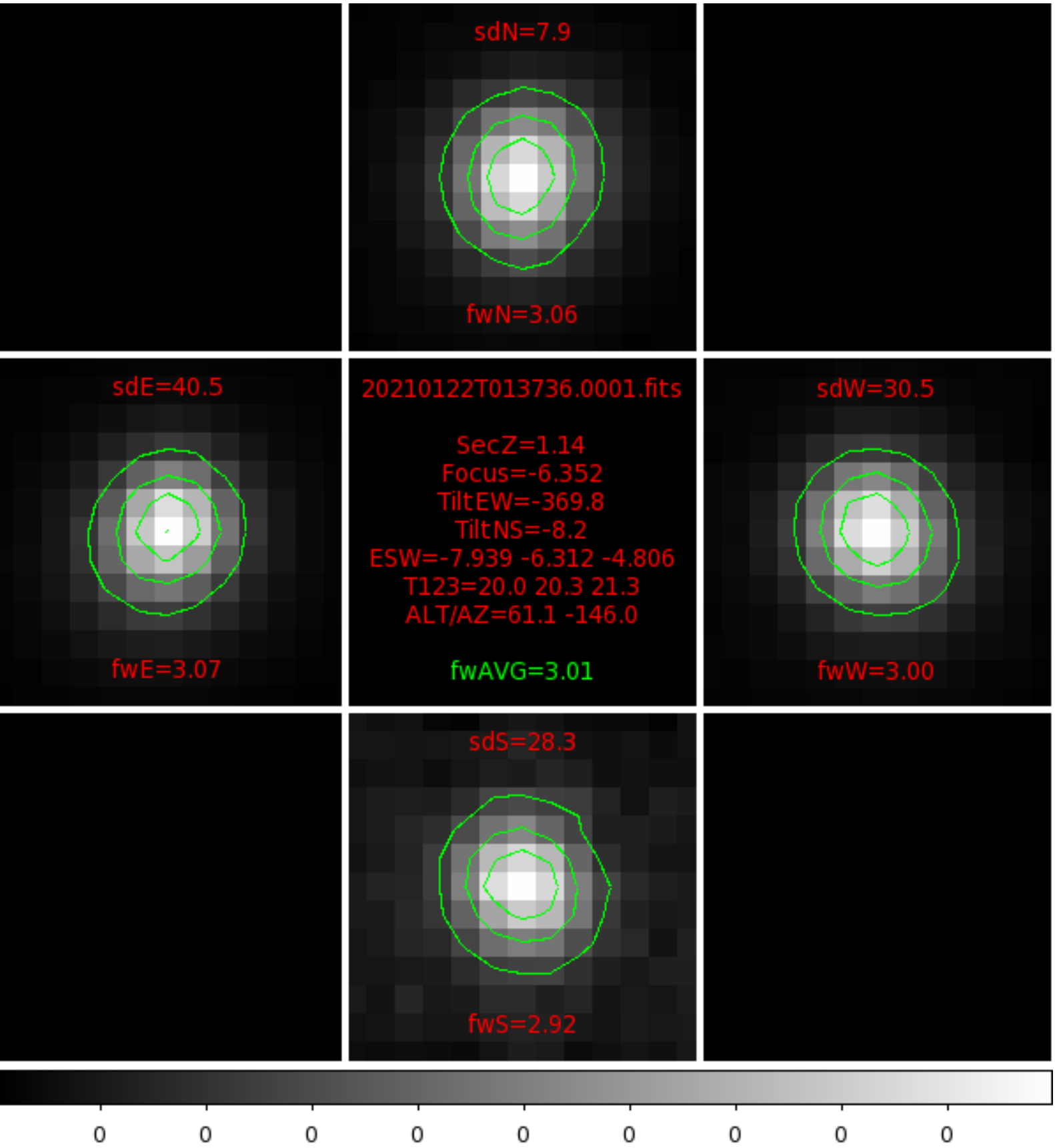
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SecZ=1.14
Focus=-6.352
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.0 20.3 21.3
ALT/AZ=61.1 -146.0
fwAVG=3.01
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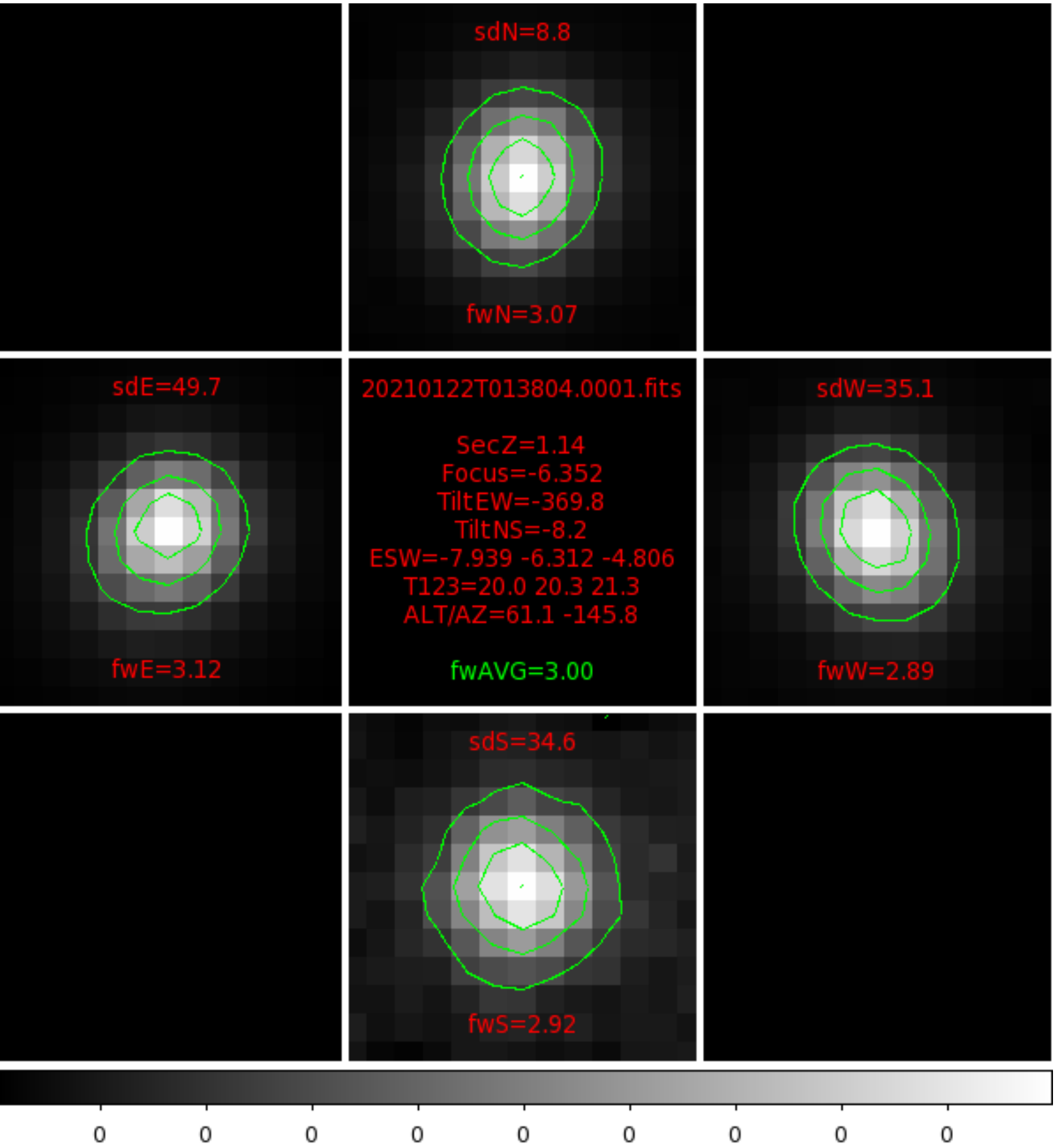
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SecZ=1.14
Focus=-6.352
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TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=20.0 20.3 21.3
ALT/AZ=61.1 -145.8
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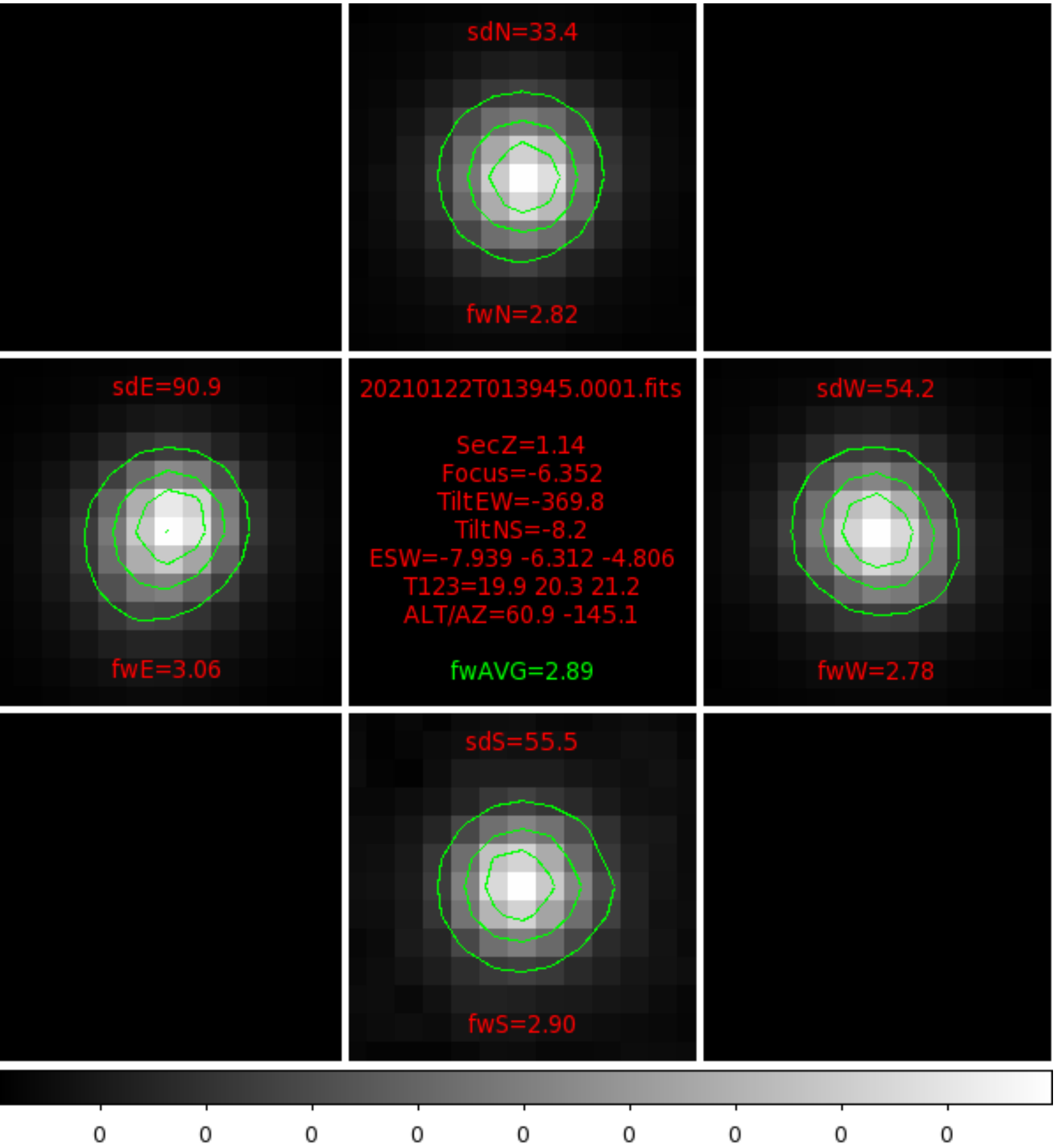
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TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=19.9 20.3 21.2
ALT/AZ=60.9 -145.1
fwAVG=2.89
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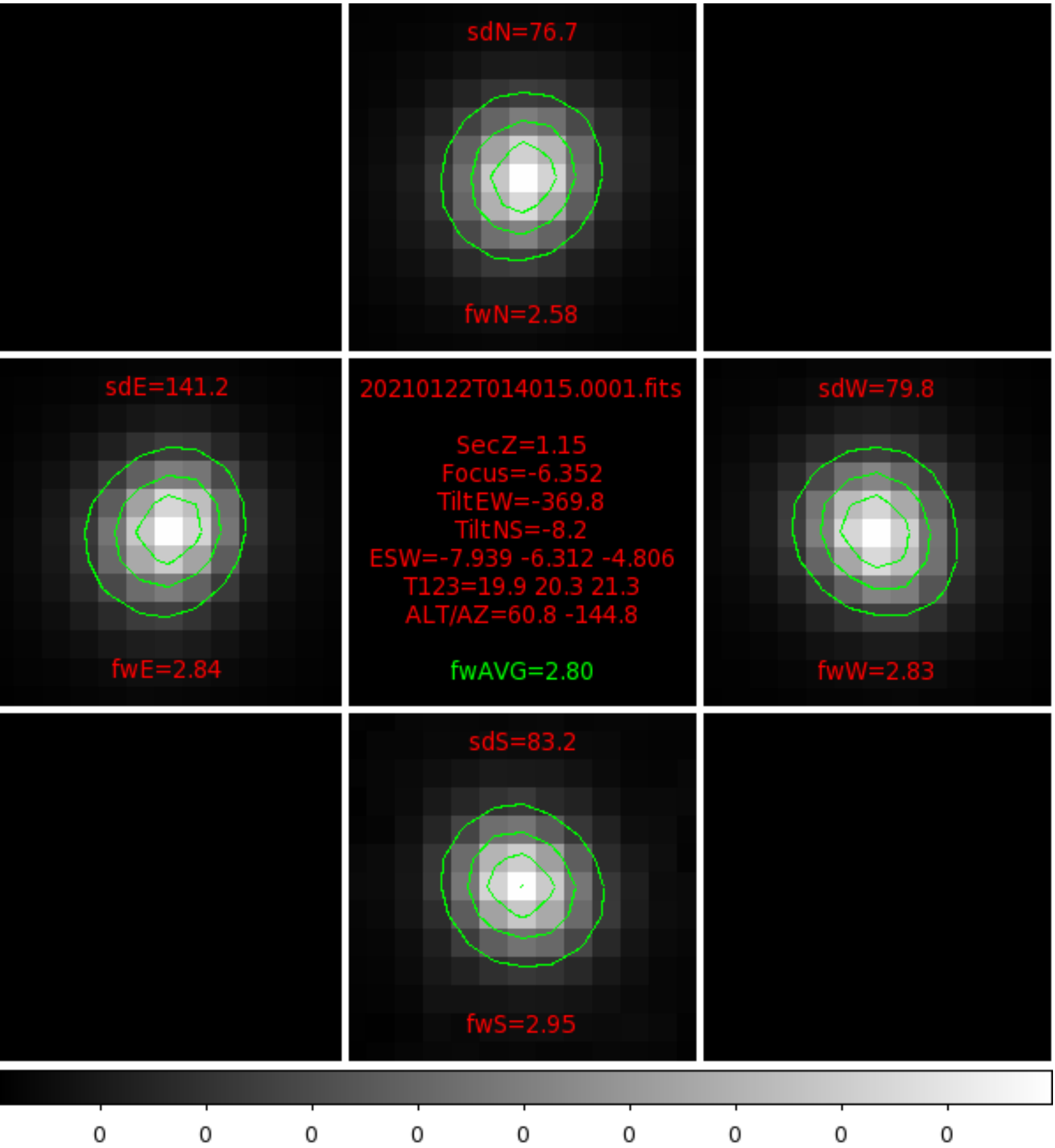
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SecZ=1.15
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TiltNS=-8.2
ESW=-7.939 -6.312 -4.806
T123=19.9 20.3 21.3
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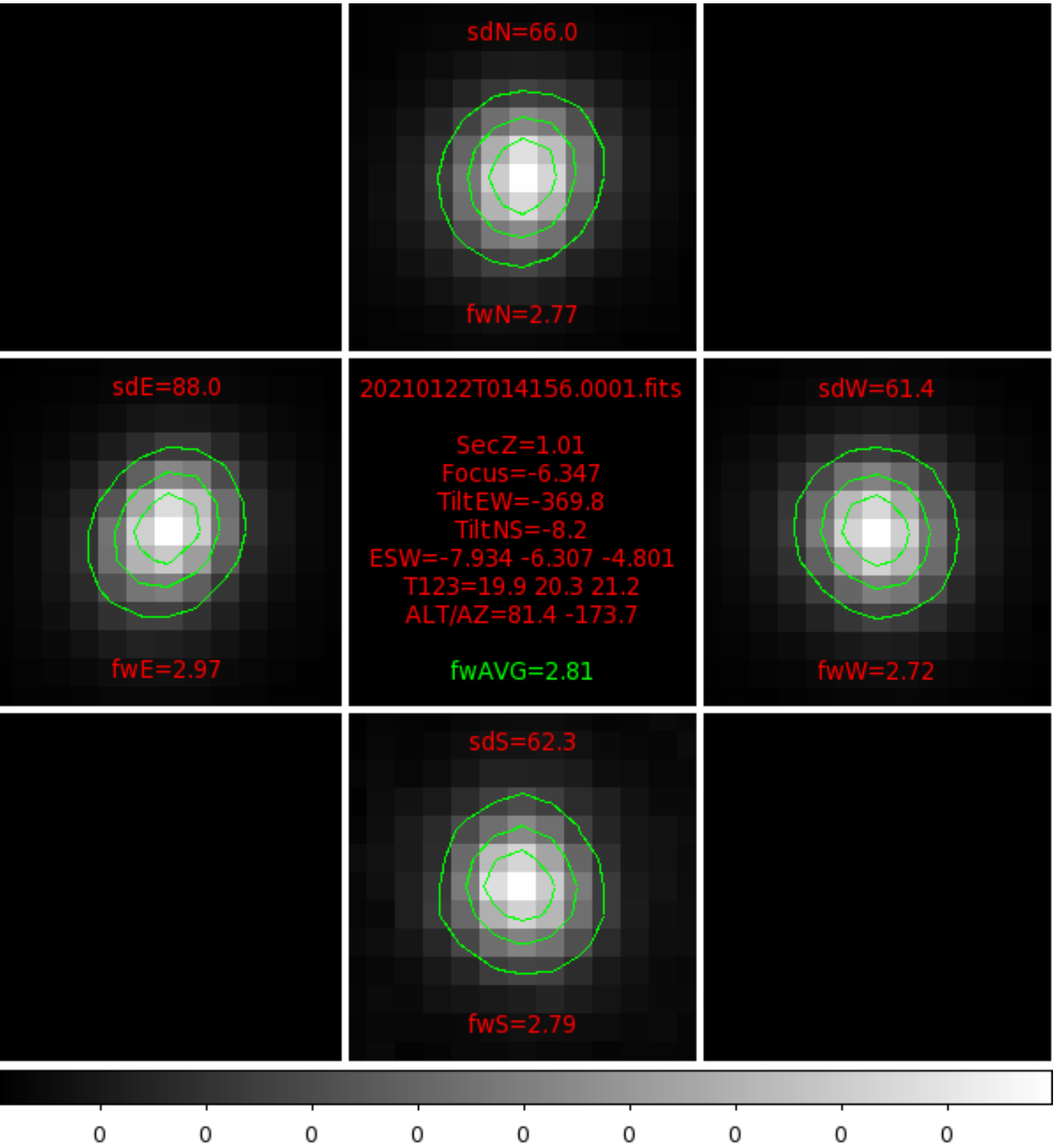
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.934 -6.307 -4.801
T123=19.9 20.3 21.2
ALT/AZ=81.4 -173.7
fwAVG=2.81
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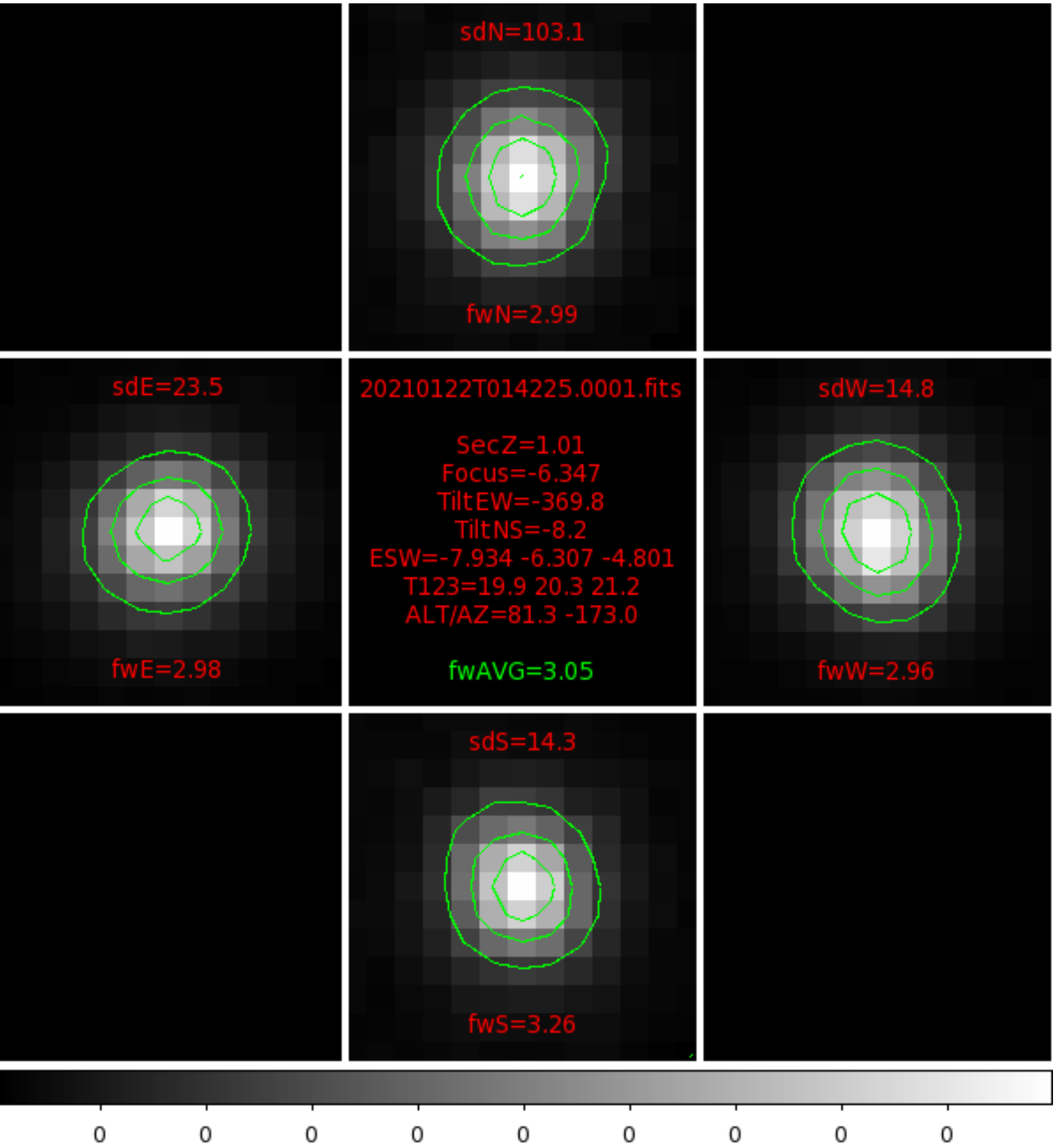
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.934 -6.307 -4.801
T123=19.9 20.3 21.2
ALT/AZ=81.3 -173.0
fwAVG=3.05
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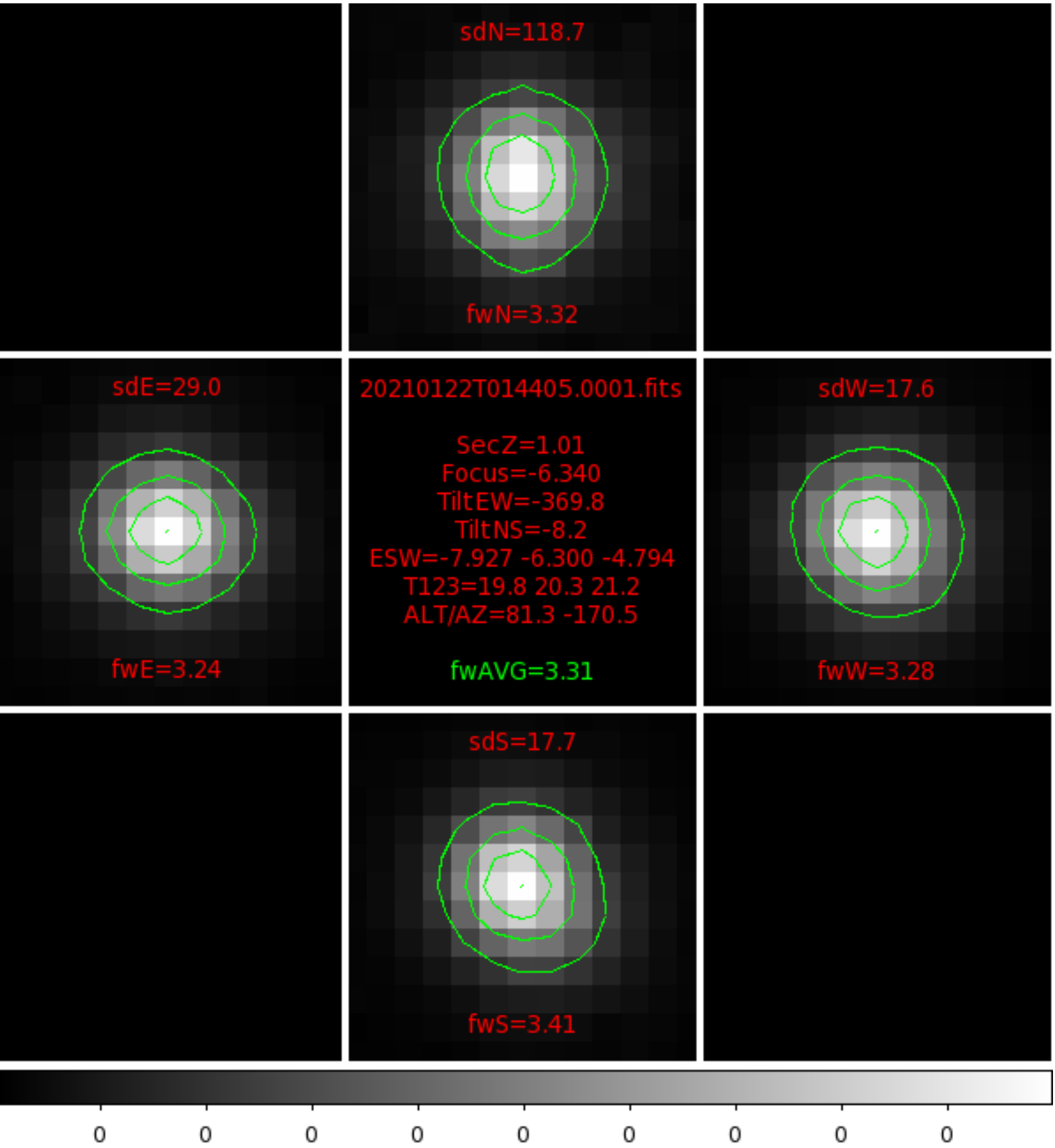
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SecZ=1.01
Focus=-6.340
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.927 -6.300 -4.794
T123=19.8 20.3 21.2
ALT/AZ=81.3 -170.5
fwAVG=3.31
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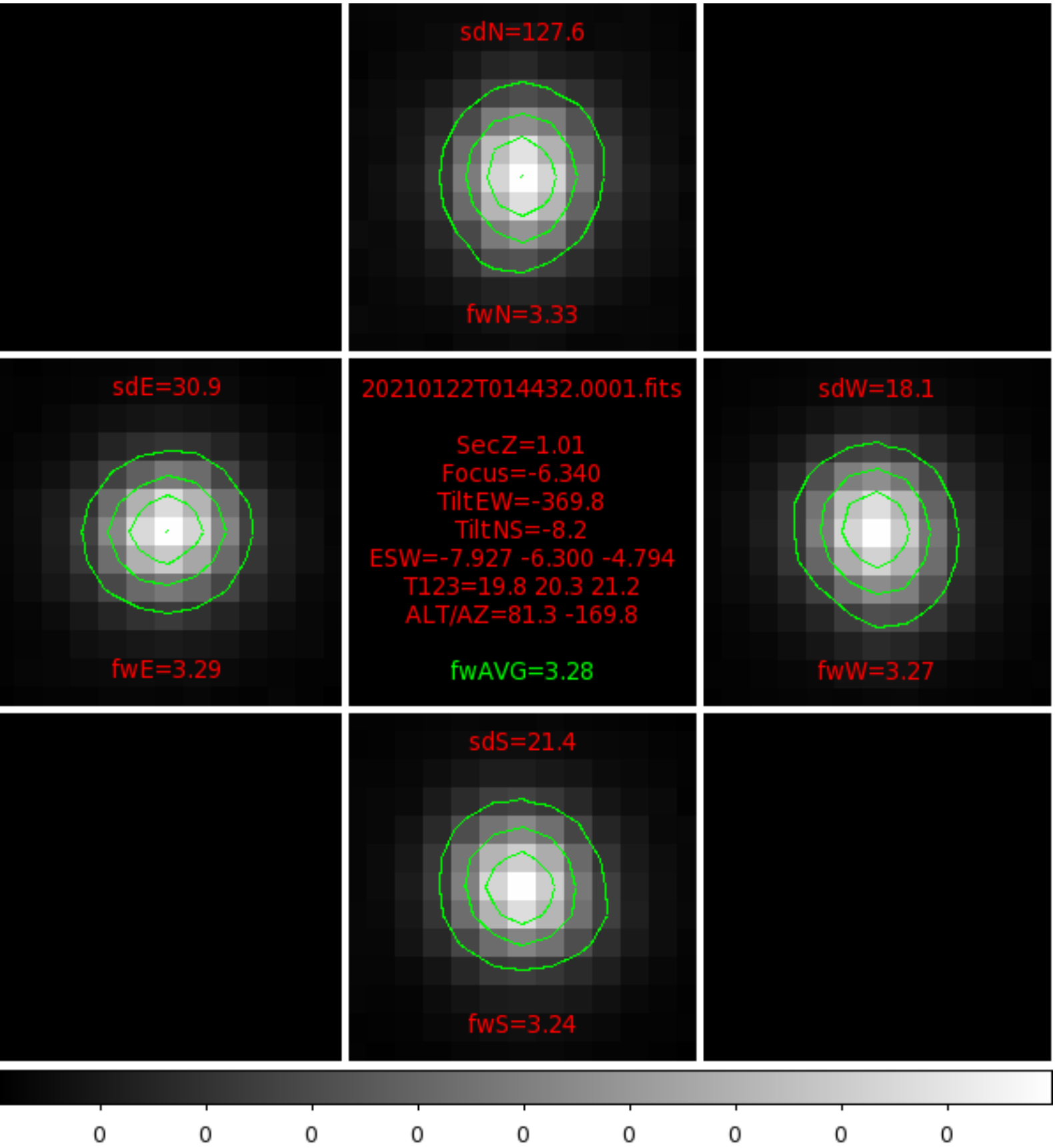
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SecZ=1.01
Focus=-6.340
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.927 -6.300 -4.794
T123=19.8 20.3 21.2
ALT/AZ=81.3 -169.8
fwAVG=3.28
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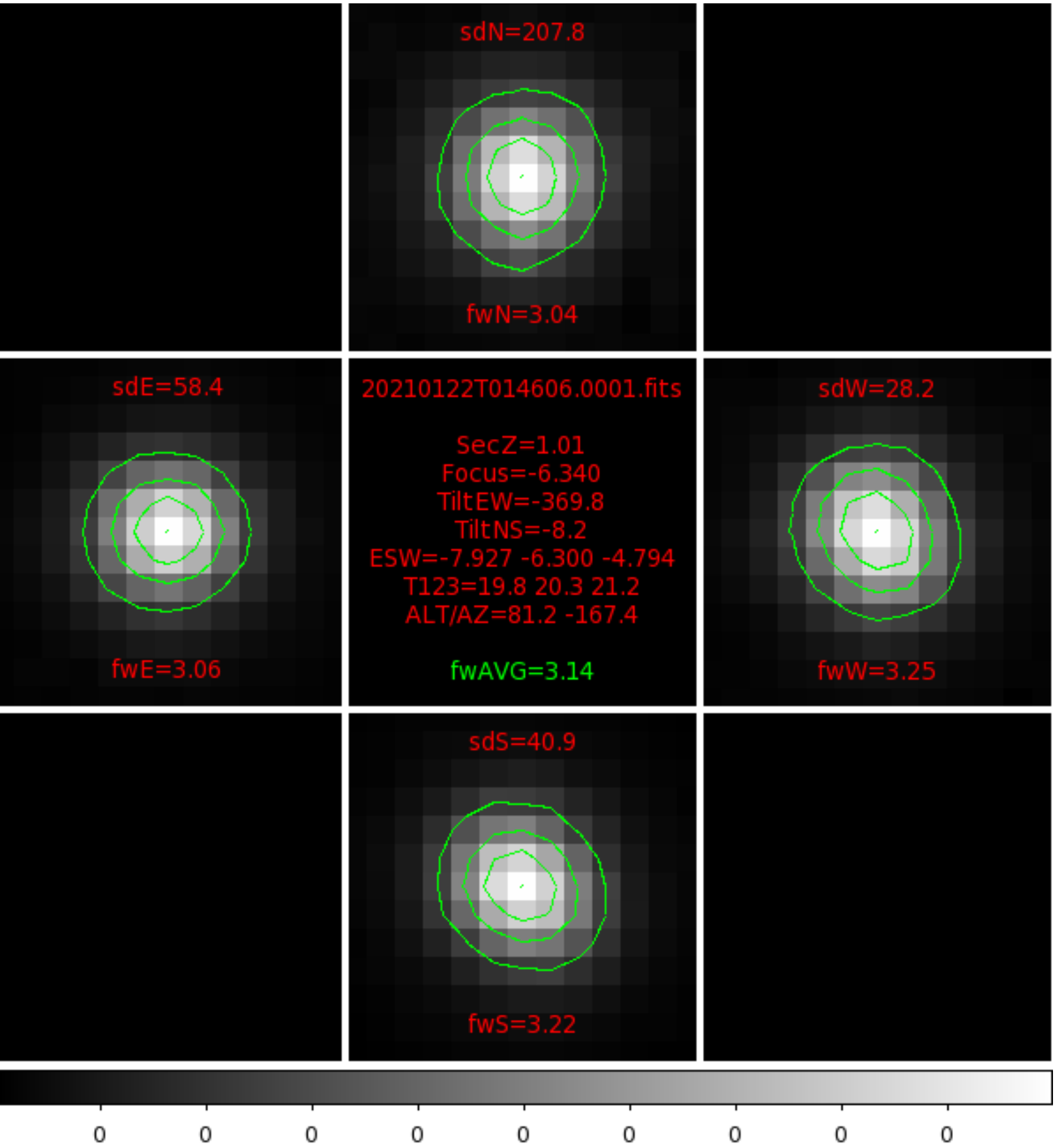
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SecZ=1.01
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TiltNS=-8.2
ESW=-7.927 -6.300 -4.794
T123=19.8 20.3 21.2
ALT/AZ=81.2 -167.4
fwAVG=3.14
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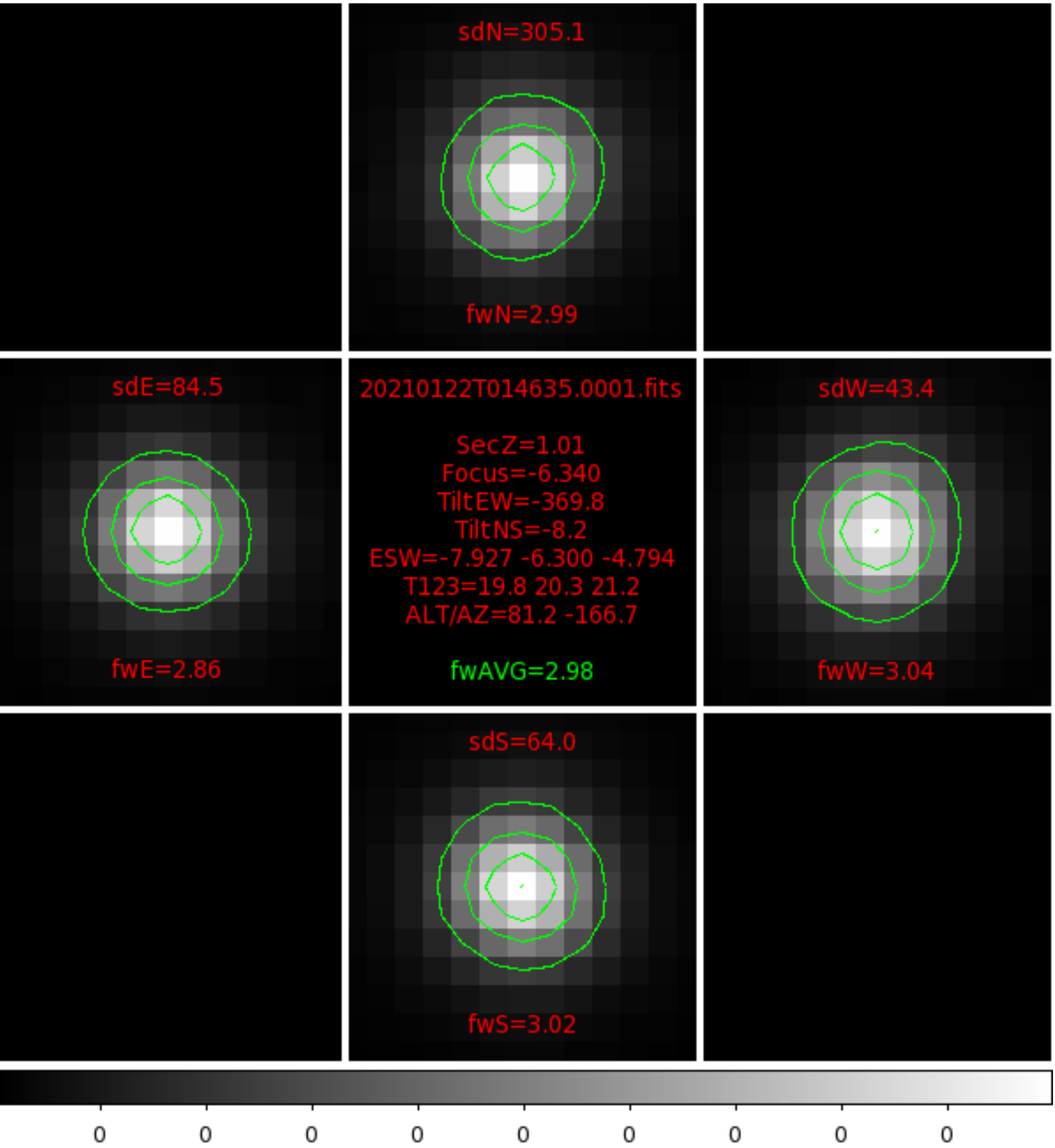
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TiltNS=-8.2
ESW=-7.927 -6.300 -4.794
T123=19.8 20.3 21.2
ALT/AZ=81.2 -166.7
fwAVG=2.98
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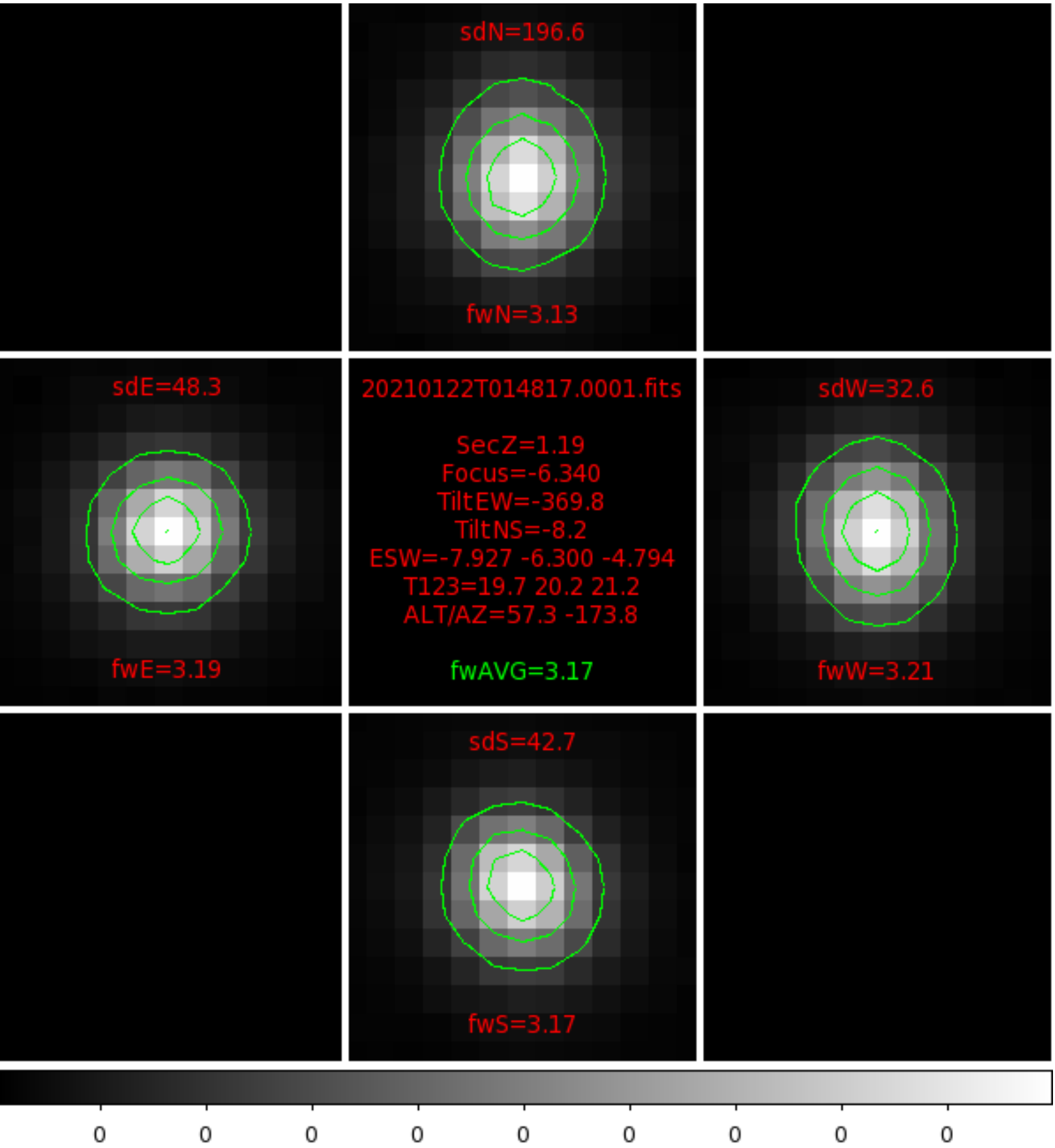
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TiltNS=-8.2
ESW=-7.927 -6.300 -4.794
T123=19.7 20.2 21.2
ALT/AZ=57.3 -173.8
fwAVG=3.17
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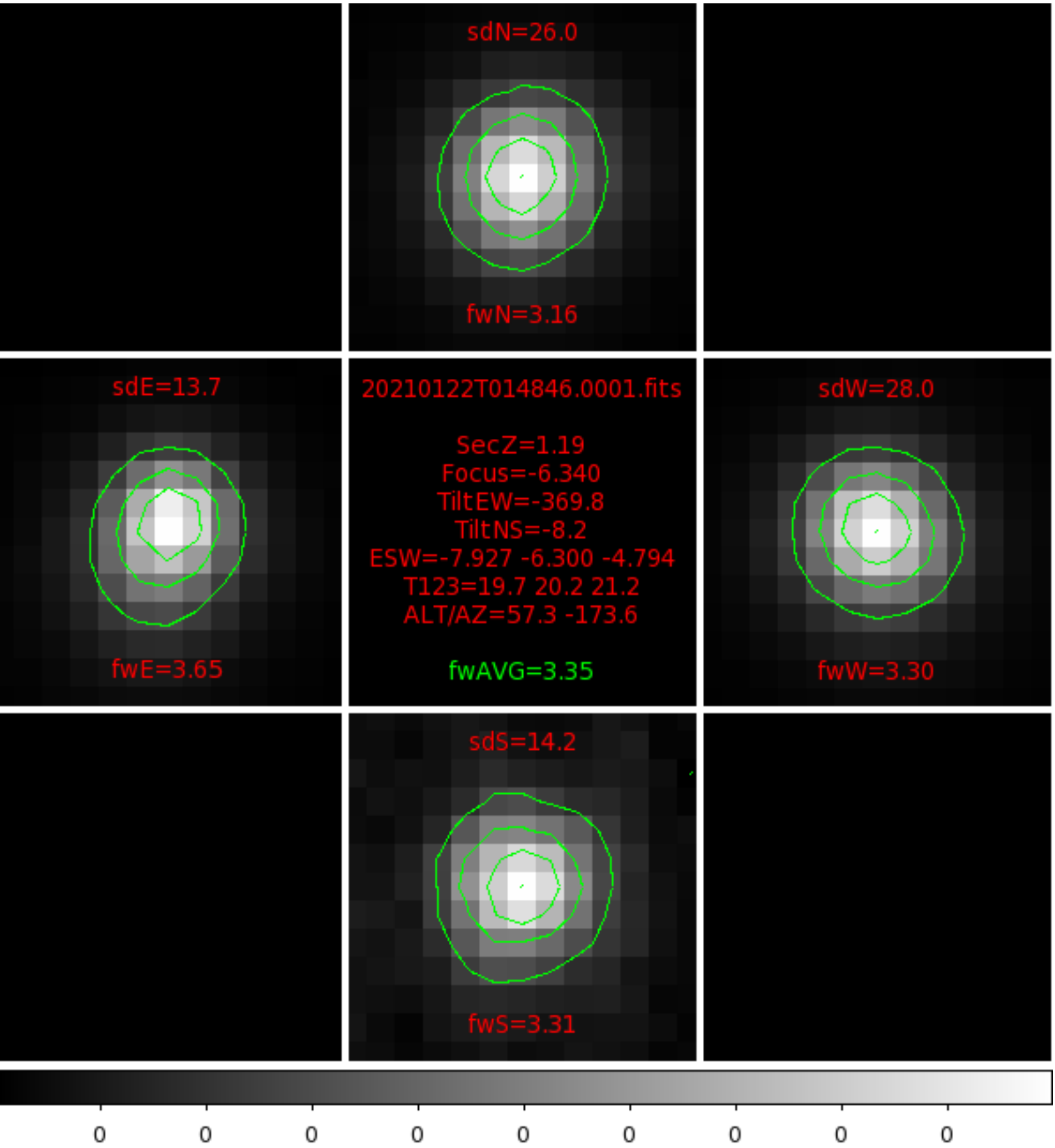
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20210122T014846.0001.fits
SecZ=1.19
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ESW=-7.927 -6.300 -4.794
T123=19.7 20.2 21.2
ALT/AZ=57.3 -173.6
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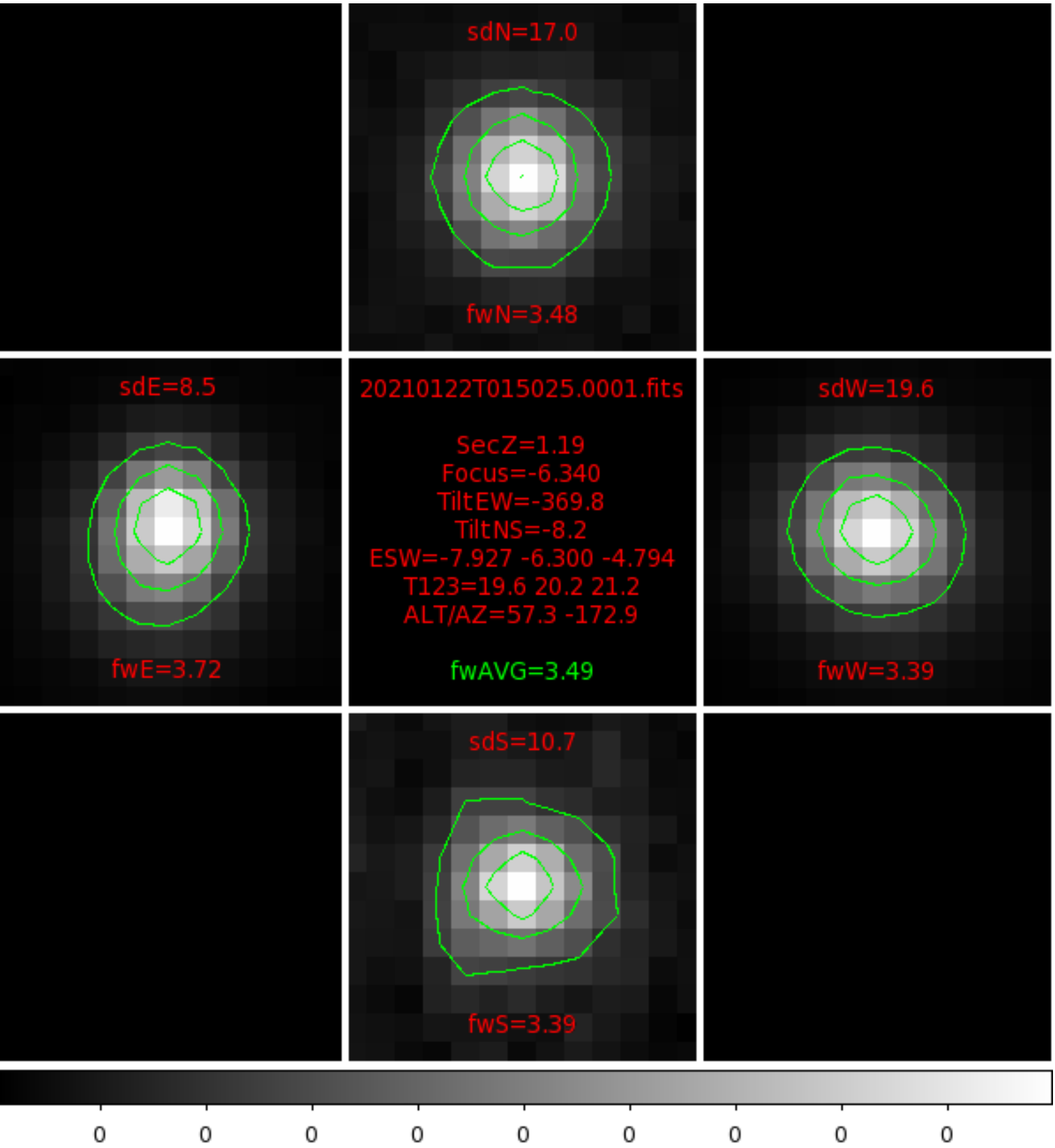
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Focus=-6.340
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.927 -6.300 -4.794
T123=19.6 20.2 21.2
ALT/AZ=57.3 -172.9
fwAVG=3.49
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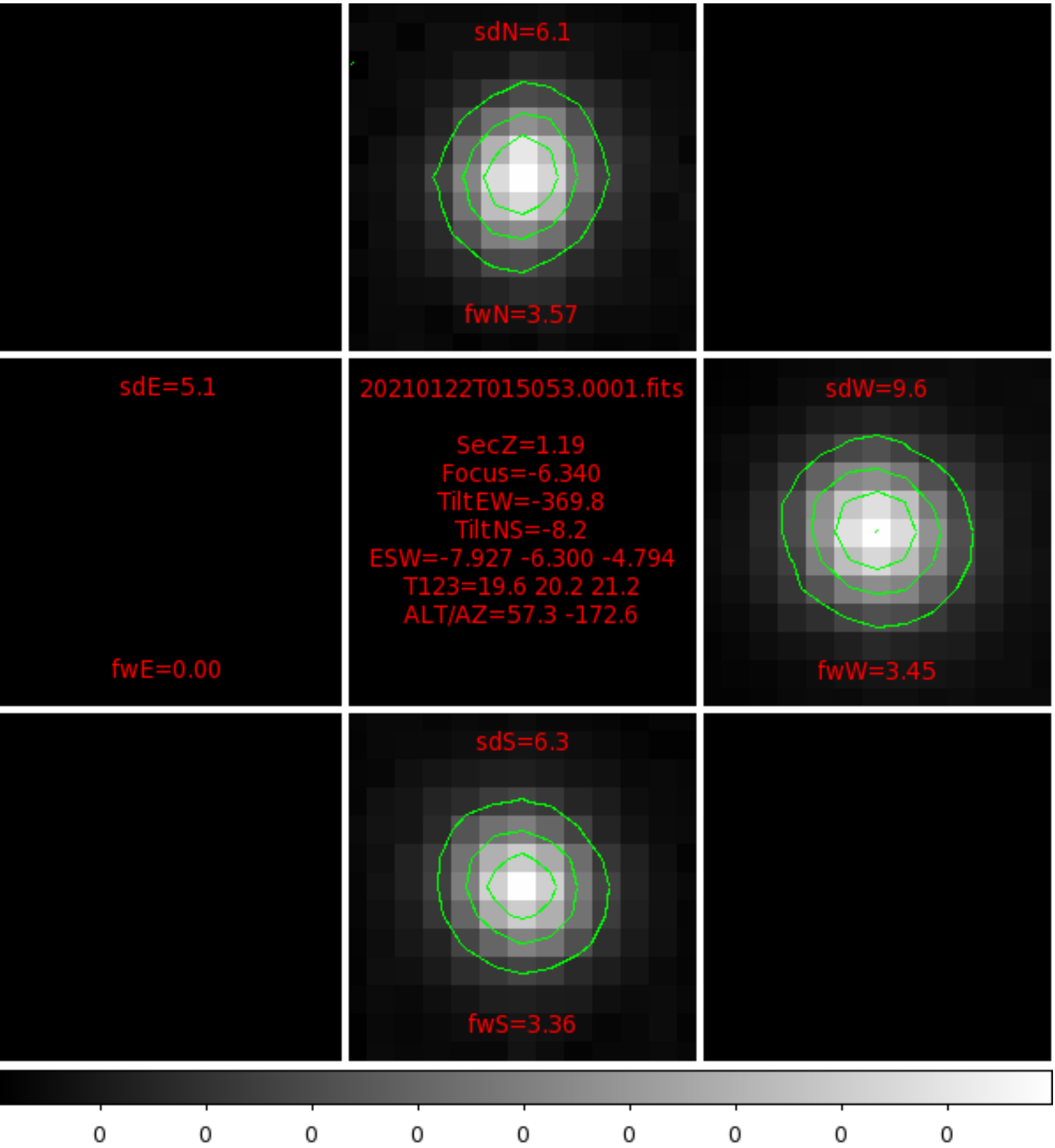
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SecZ=1.19
Focus=-6.340
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.927 -6.300 -4.794
T123=19.6 20.2 21.2
ALT/AZ=57.3 -172.6
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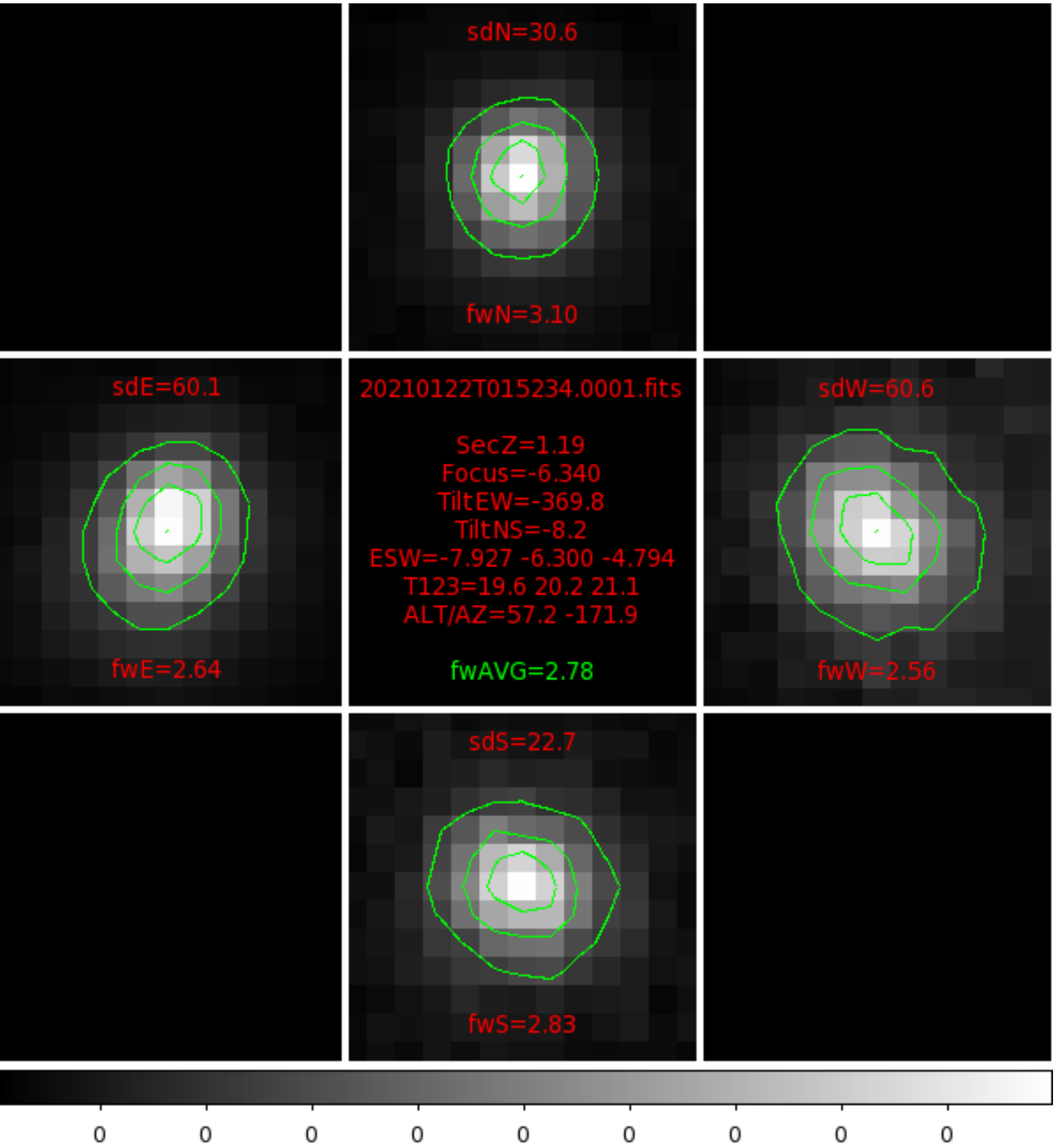
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sdE=60.1
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Focus=-6.340
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TiltNS=-8.2
ESW=-7.927 -6.300 -4.794
T123=19.6 20.2 21.1
ALT/AZ=57.2 -171.9
fwAVG=2.78
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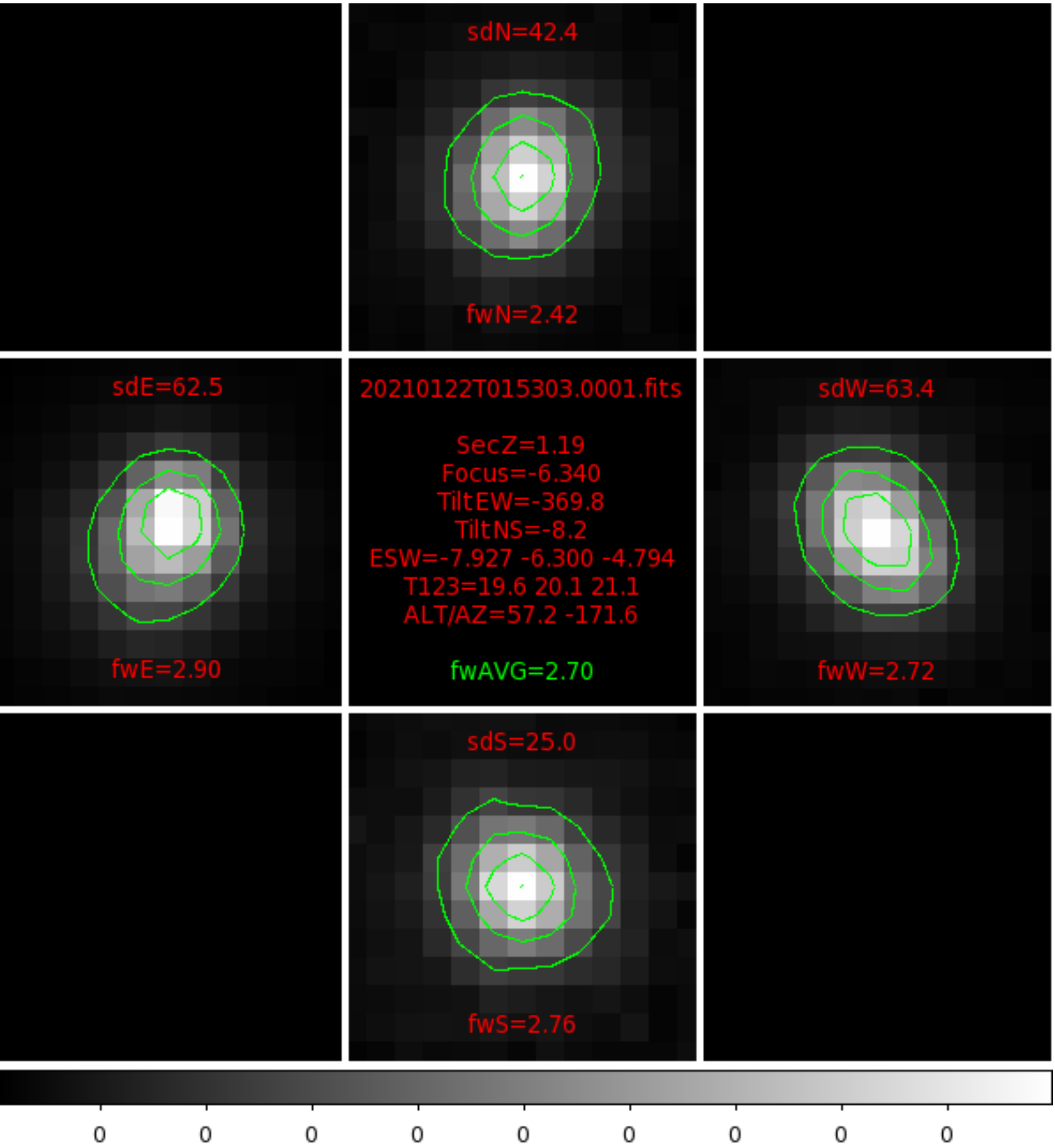
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TiltNS=-8.2
ESW=-7.927 -6.300 -4.794
T123=19.6 20.1 21.1
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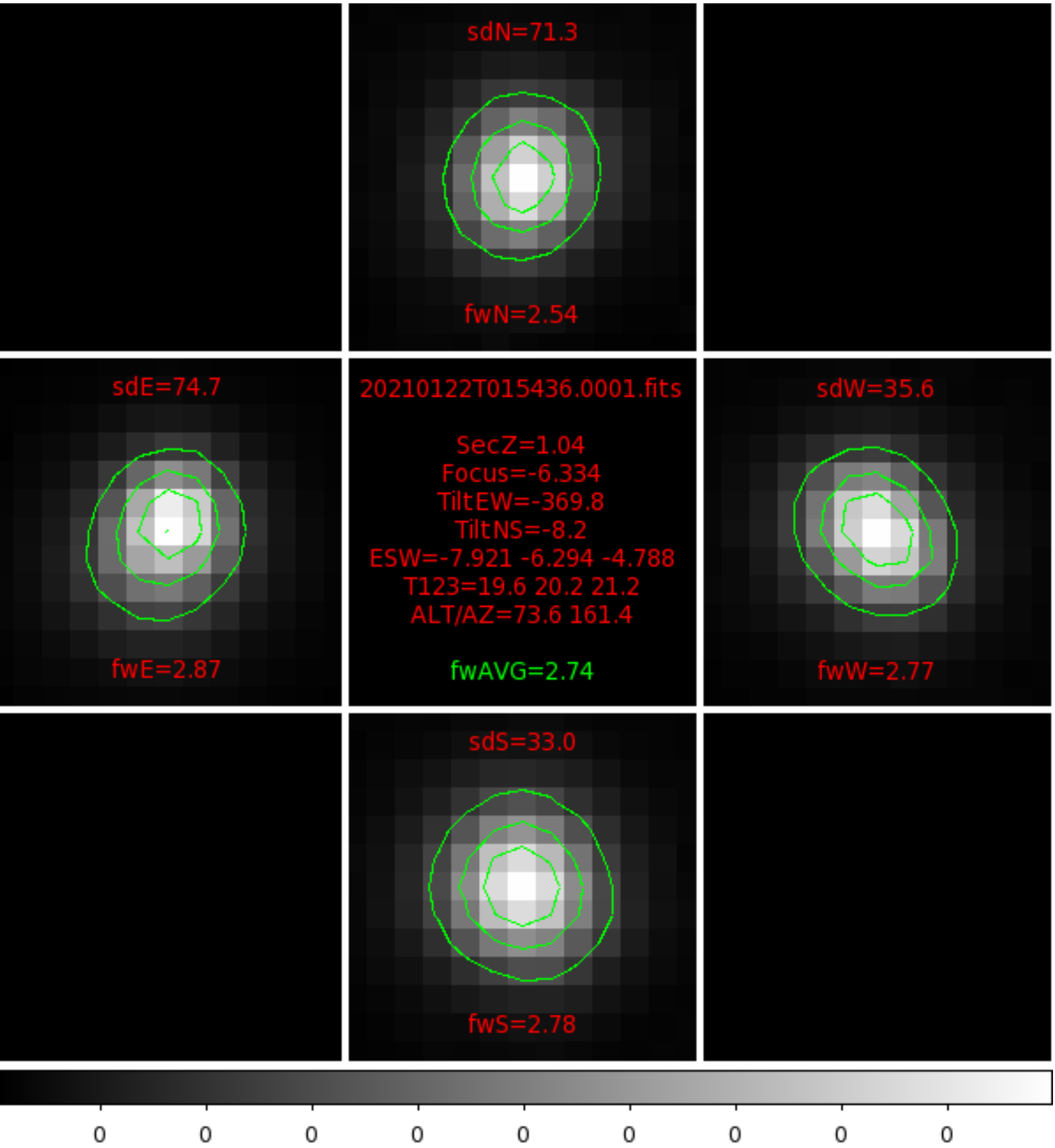
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TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.6 20.2 21.2
ALT/AZ=73.6 161.4
fwAVG=2.74
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sdS=33.0
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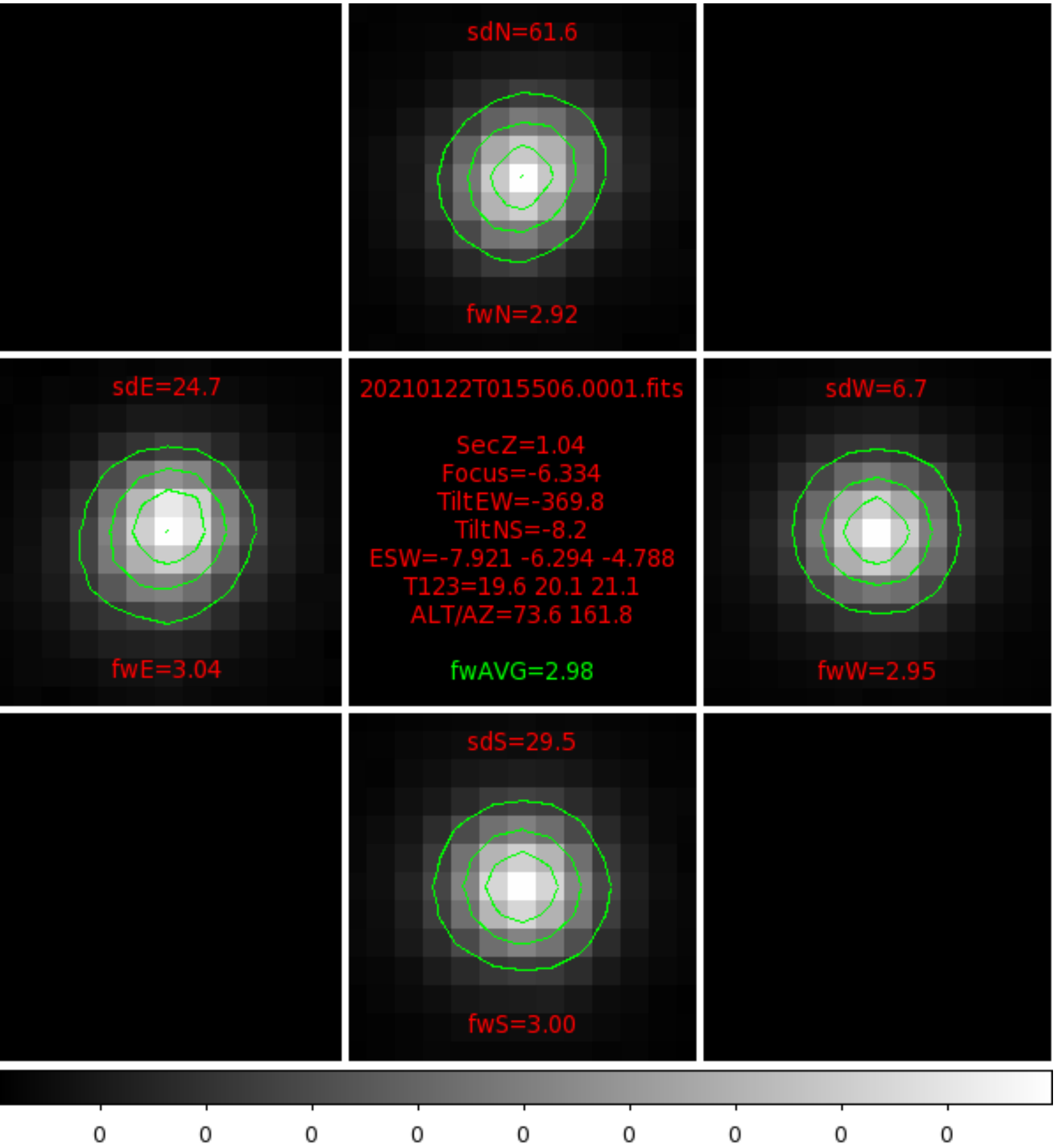
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Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.6 20.1 21.1
ALT/AZ=73.6 161.8
fwAVG=2.98
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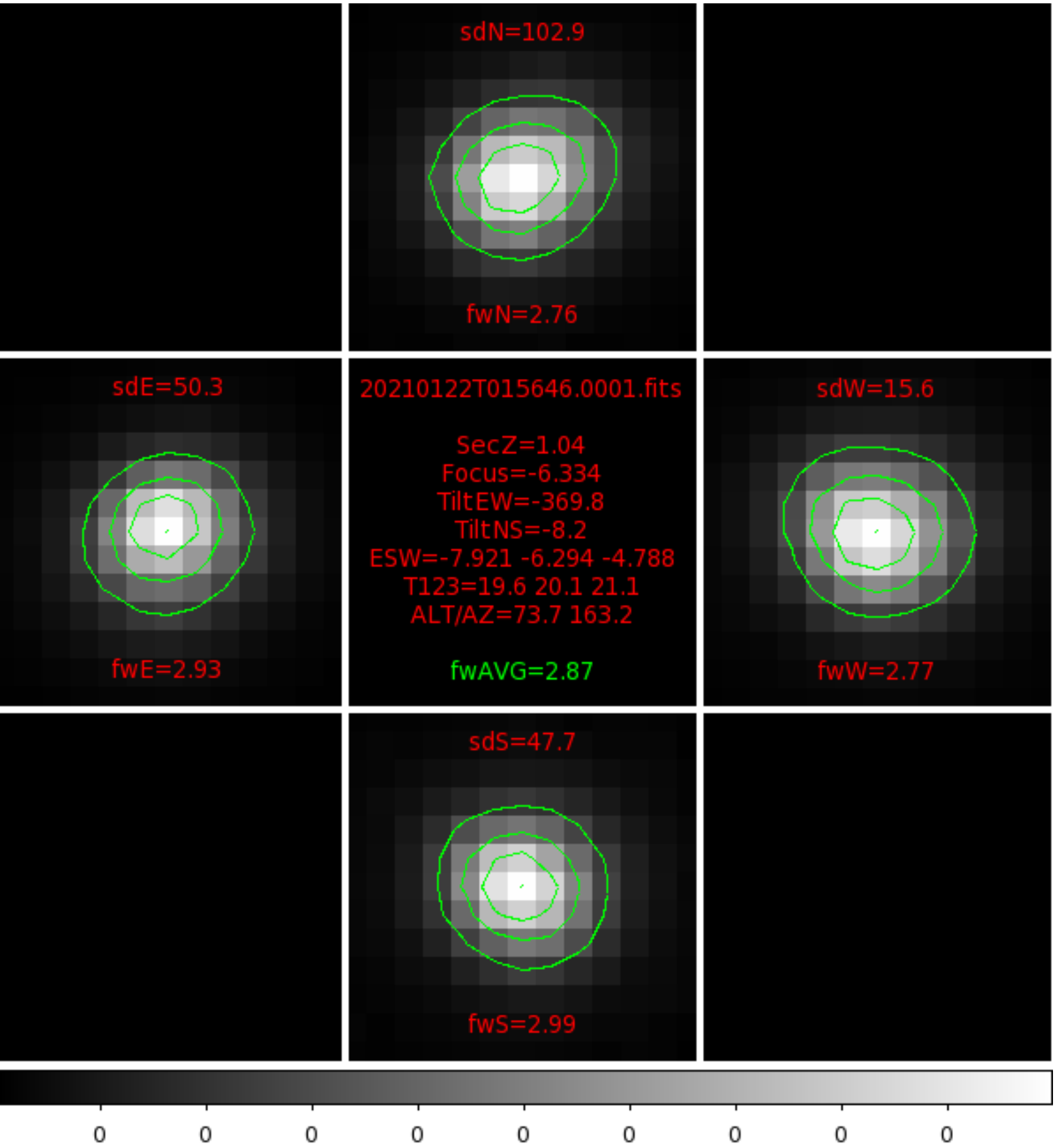
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SecZ=1.04
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.6 20.1 21.1
ALT/AZ=73.7 163.2
fwAVG=2.87
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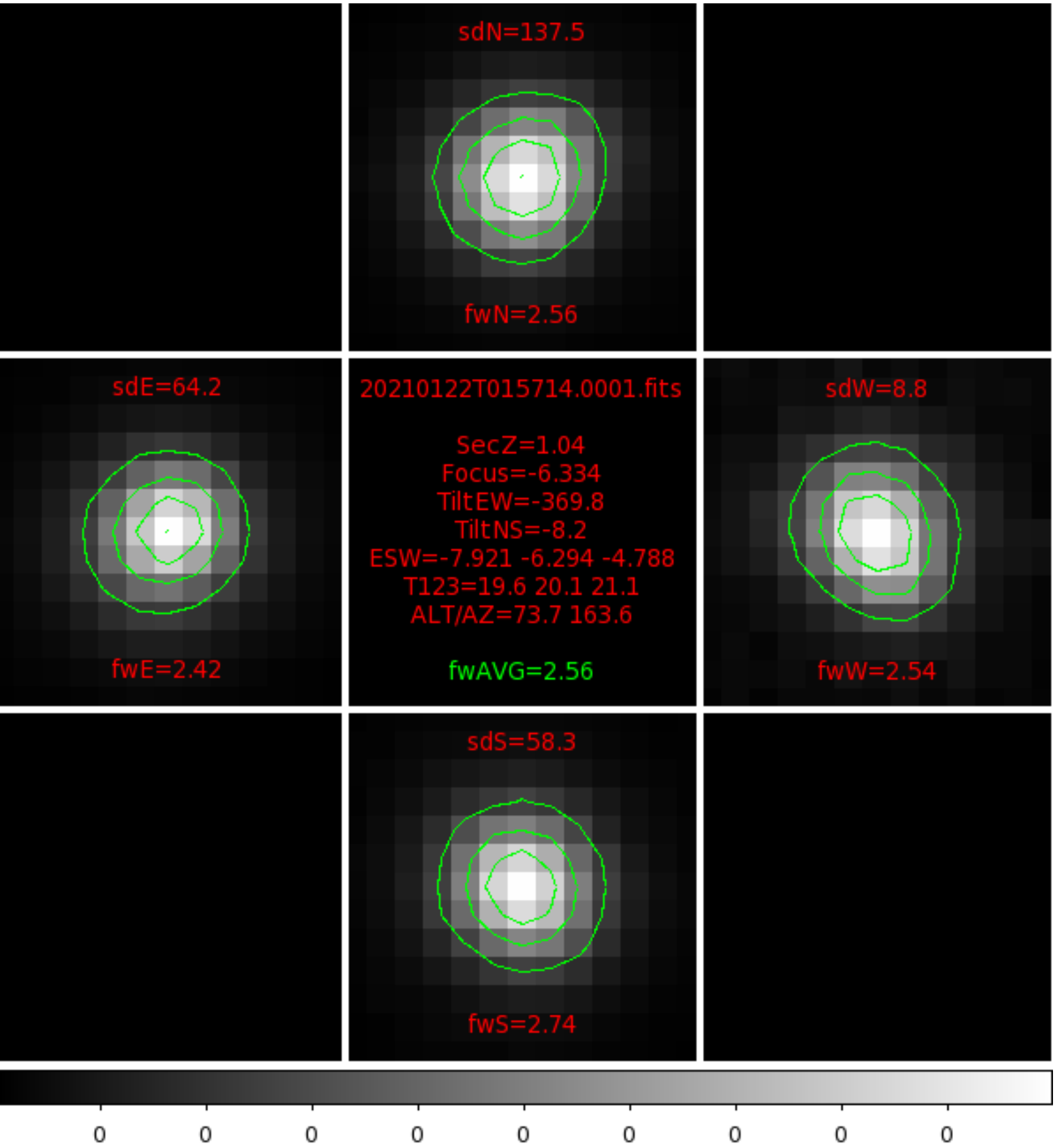
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SecZ=1.04
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.6 20.1 21.1
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fwAVG=2.56
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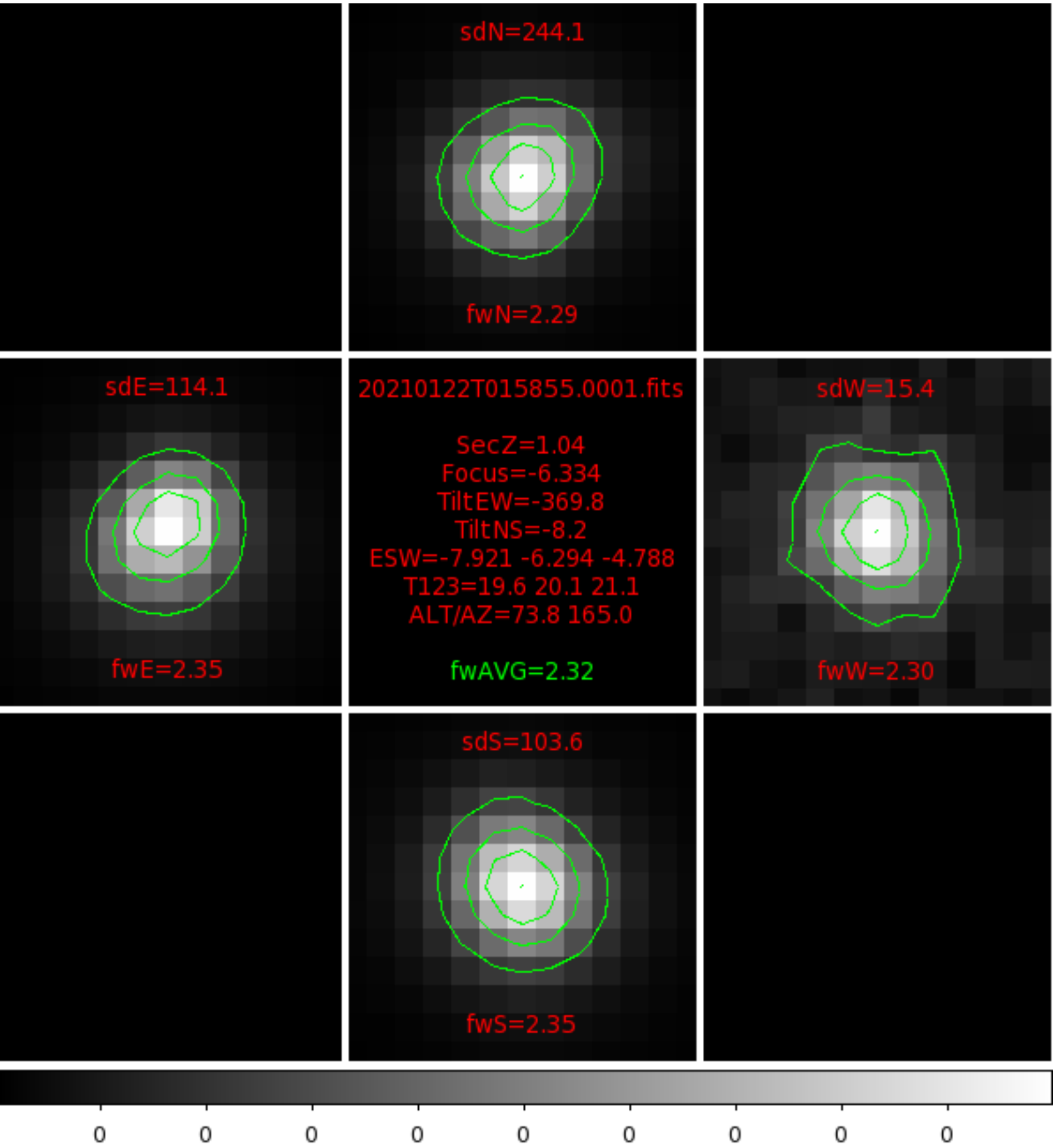
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fwE=2.35
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SecZ=1.04
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.6 20.1 21.1
ALT/AZ=73.8 165.0
fwAVG=2.32
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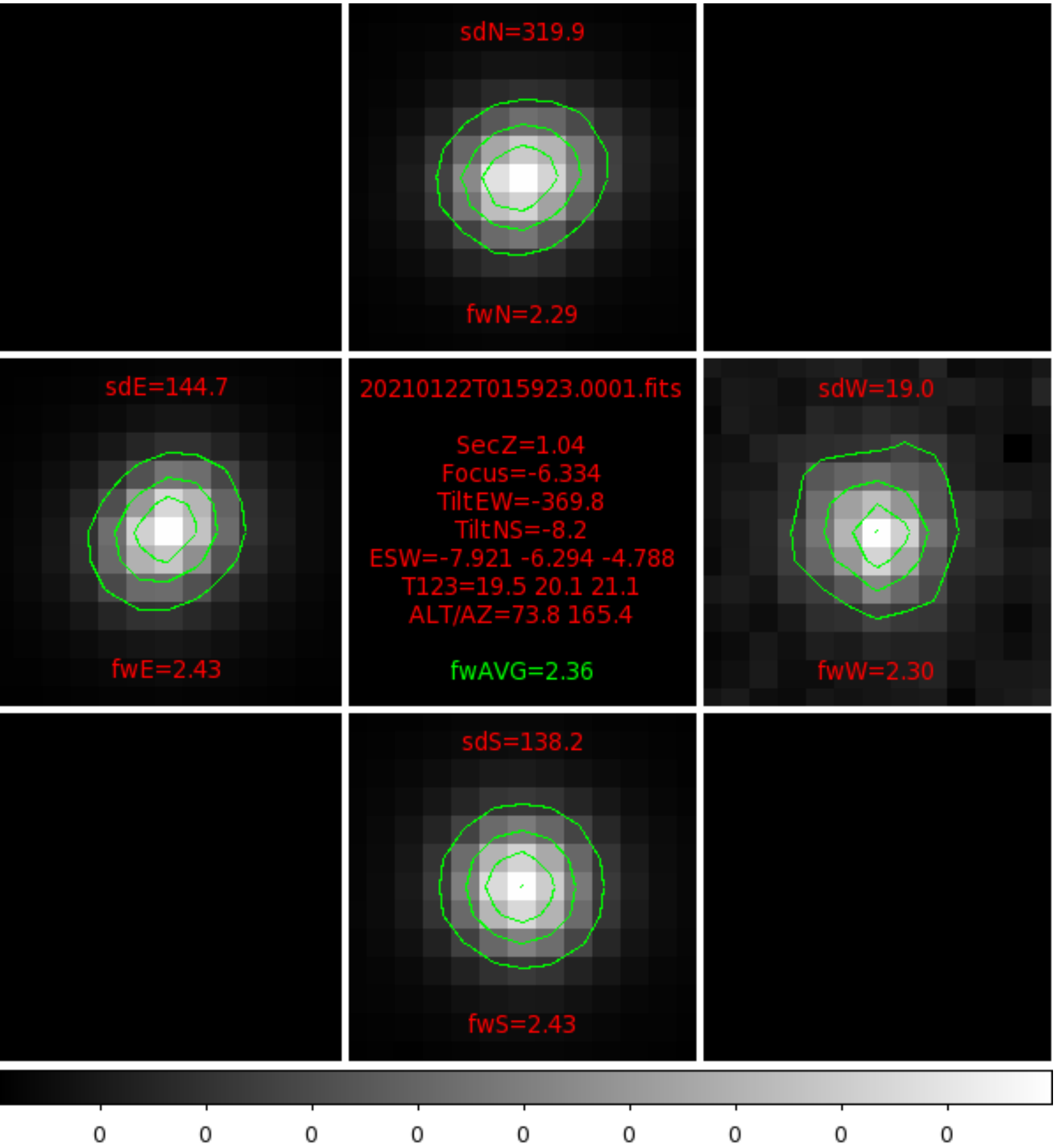
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SecZ=1.04
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.5 20.1 21.1
ALT/AZ=73.8 165.4
fwAVG=2.36
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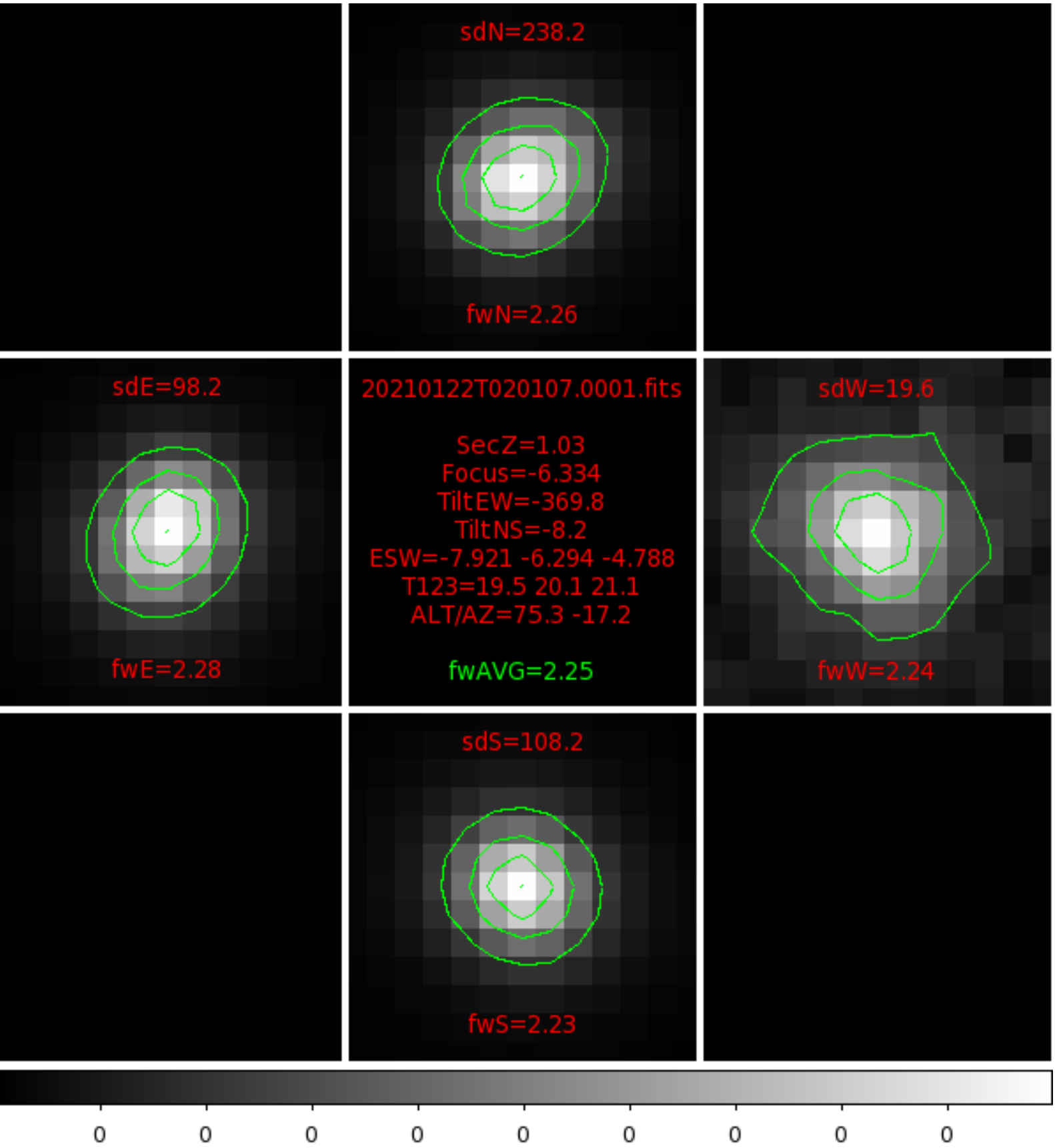
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SecZ=1.03
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.5 20.1 21.1
ALT/AZ=75.3 -17.2
fwAVG=2.25
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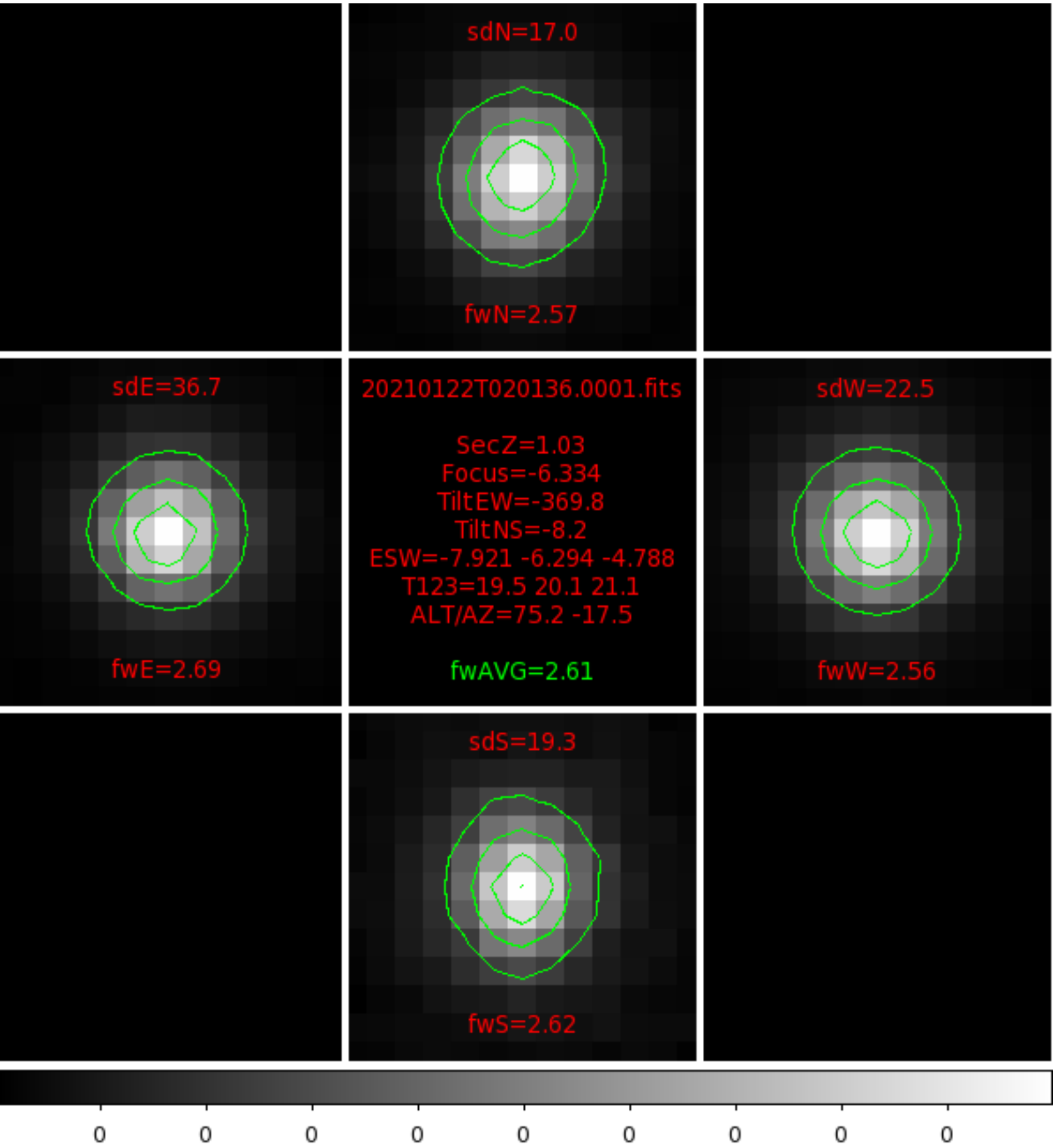
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.5 20.1 21.1
ALT/AZ=75.2 -17.5
fwAVG=2.61
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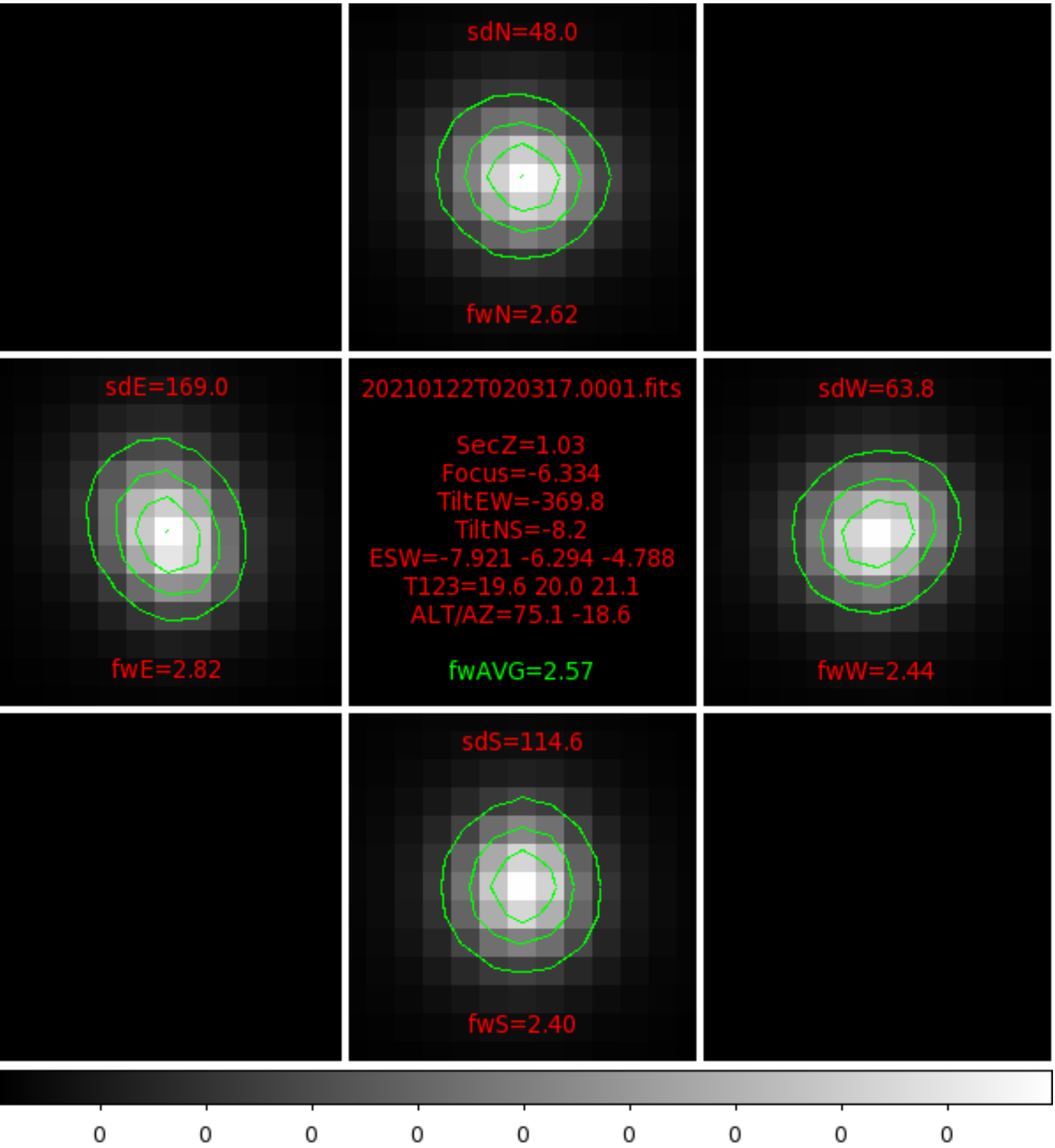
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SecZ=1.03
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.6 20.0 21.1
ALT/AZ=75.1 -18.6
fwAVG=2.57
sdW=63.8
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sdS=114.6
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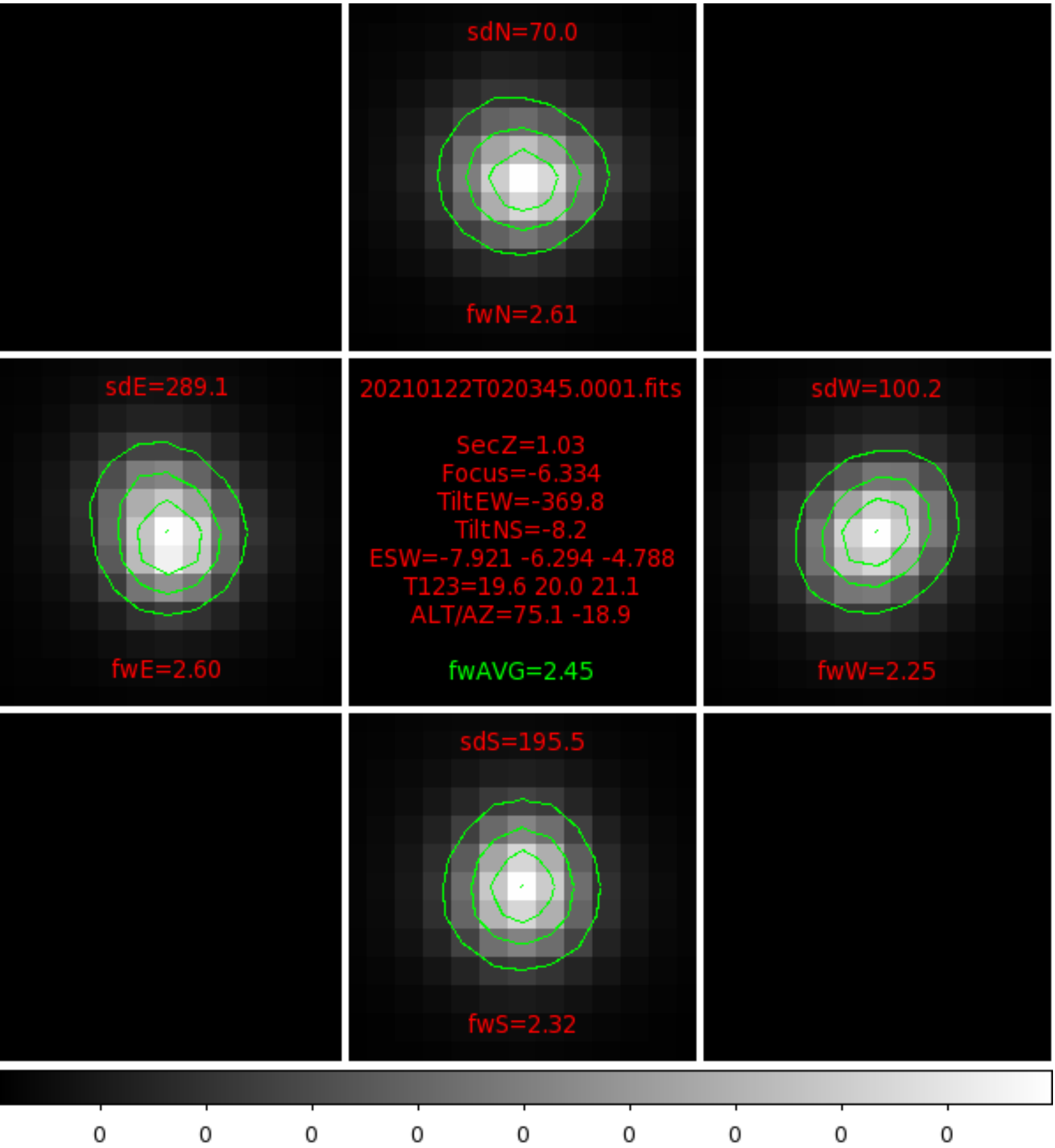
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SecZ=1.03
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.6 20.0 21.1
ALT/AZ=75.1 -18.9
fwAVG=2.45
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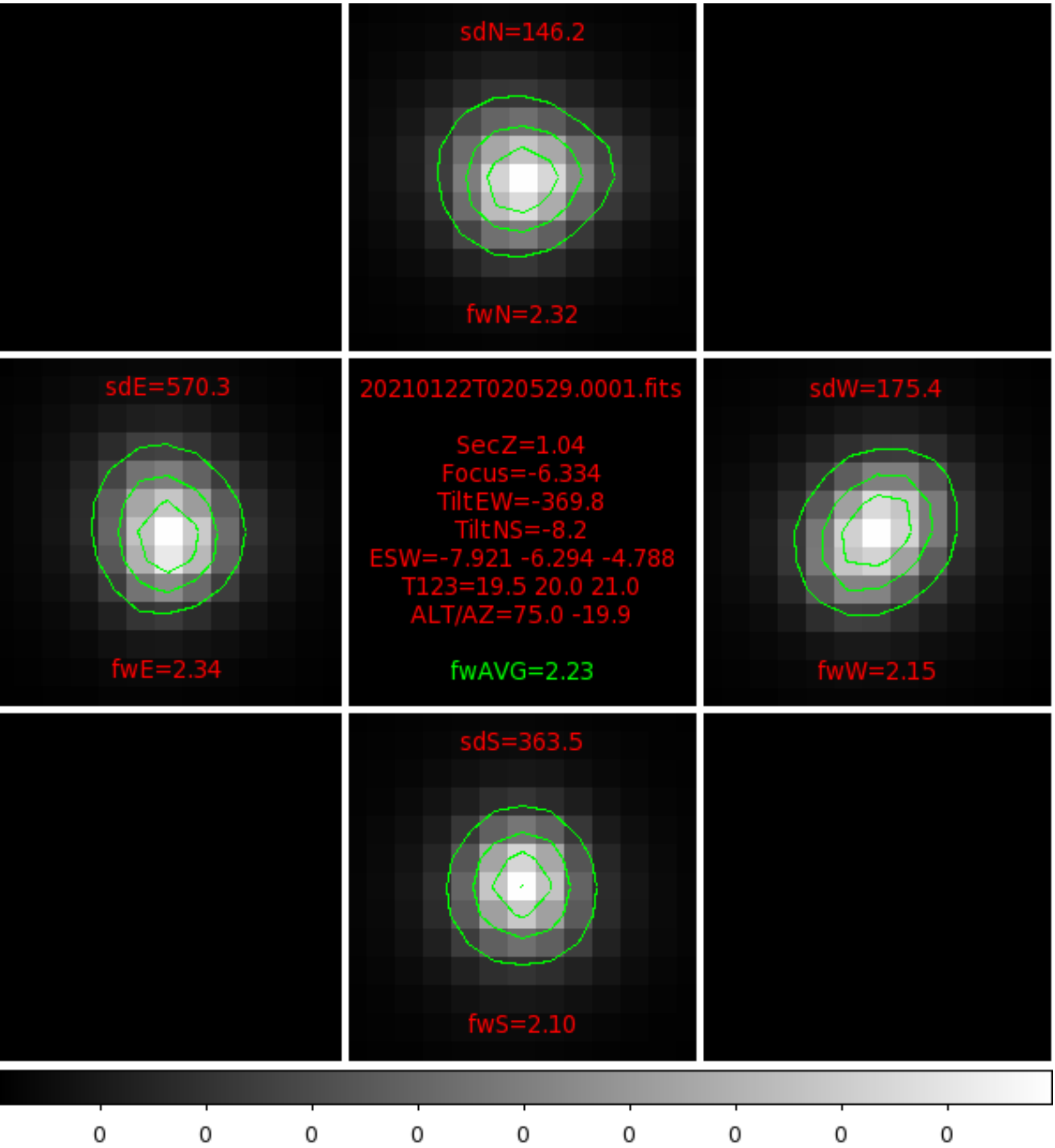
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SecZ=1.04
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.5 20.0 21.0
ALT/AZ=75.0 -19.9
fwAVG=2.23
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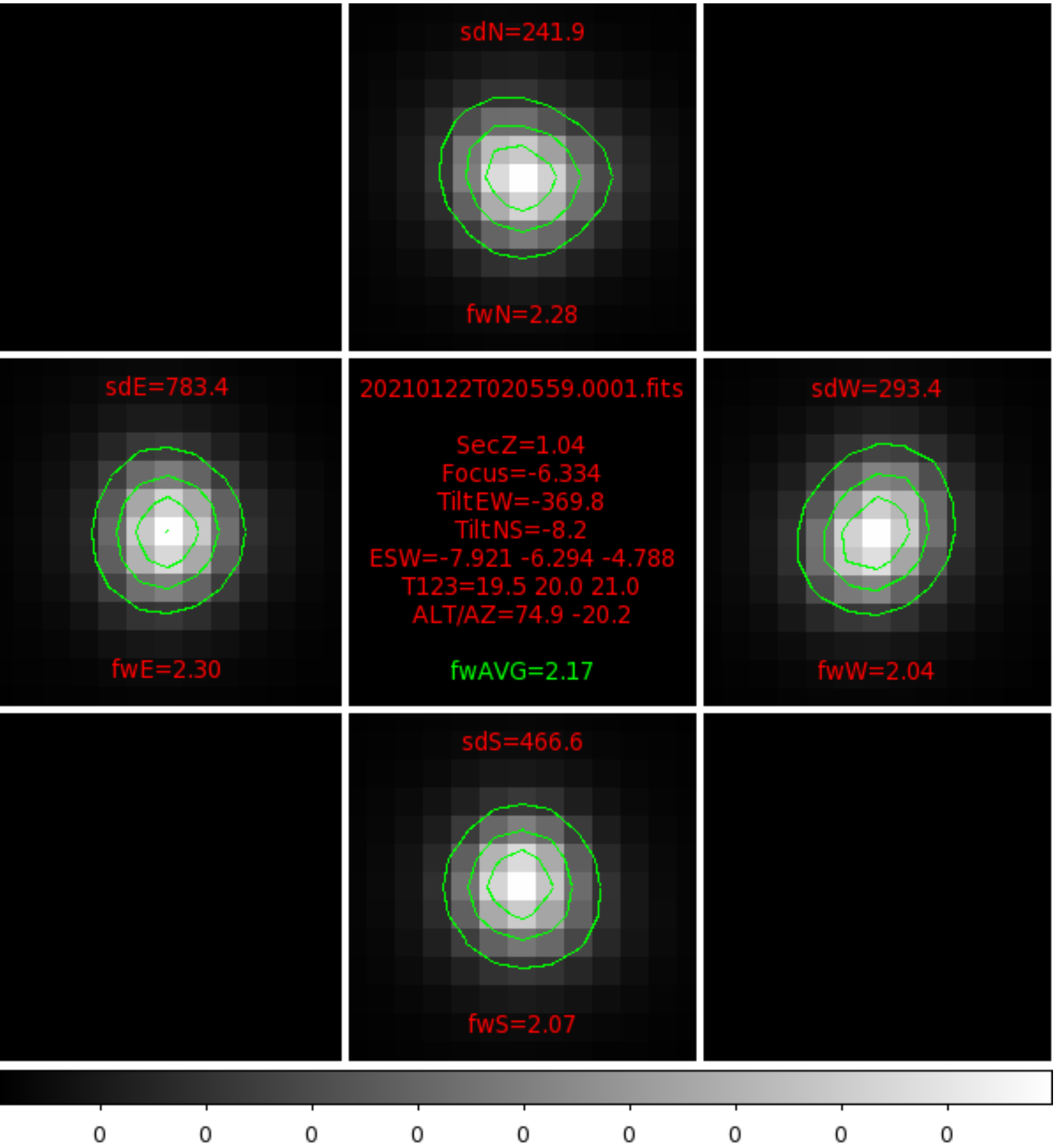
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SecZ=1.04
Focus=-6.334
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.921 -6.294 -4.788
T123=19.5 20.0 21.0
ALT/AZ=74.9 -20.2
fwAVG=2.17
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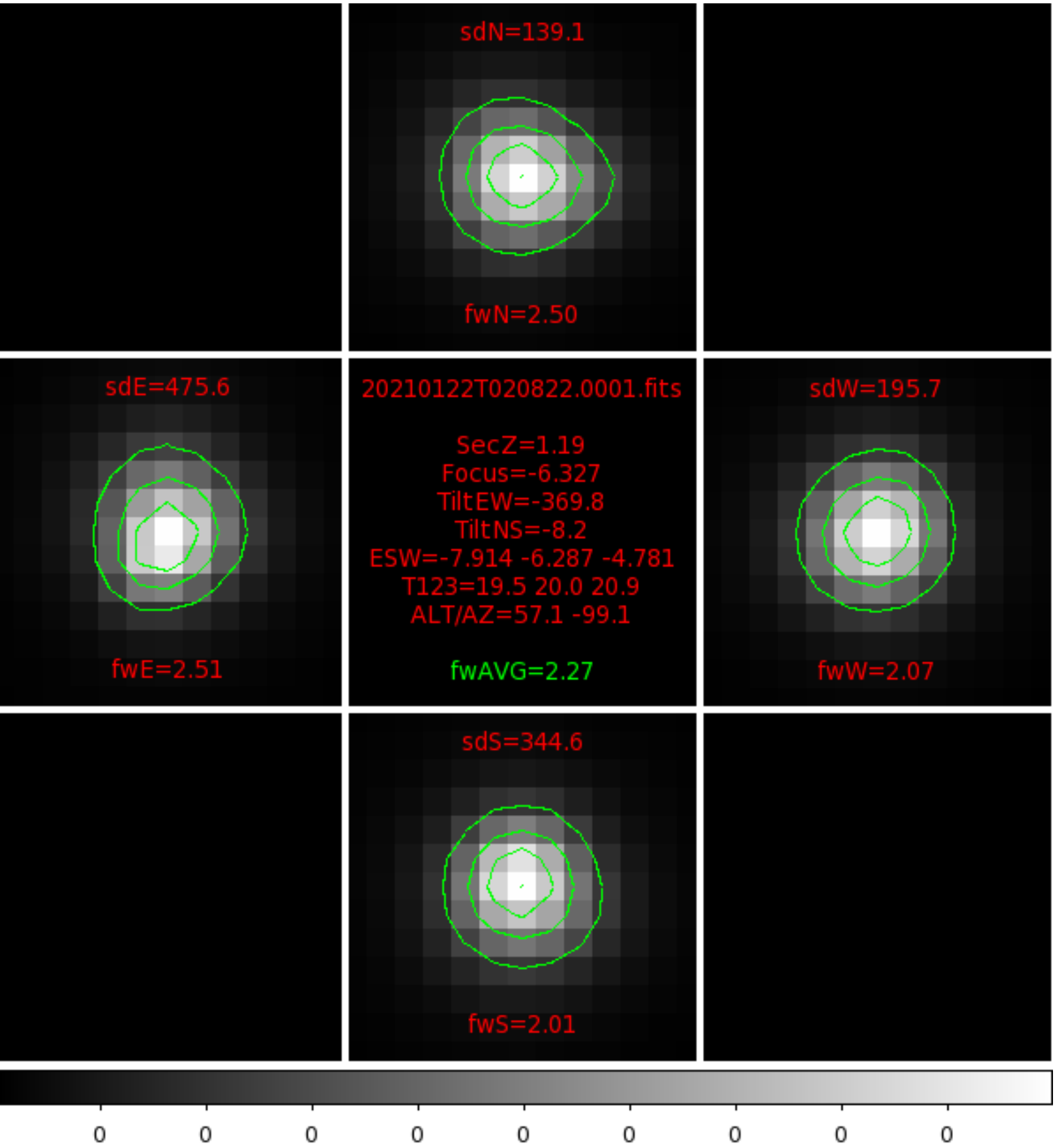
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sdE=475.6
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20210122T020822.0001.fits
SecZ=1.19
Focus=-6.327
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.914 -6.287 -4.781
T123=19.5 20.0 20.9
ALT/AZ=57.1 -99.1
fwAVG=2.27
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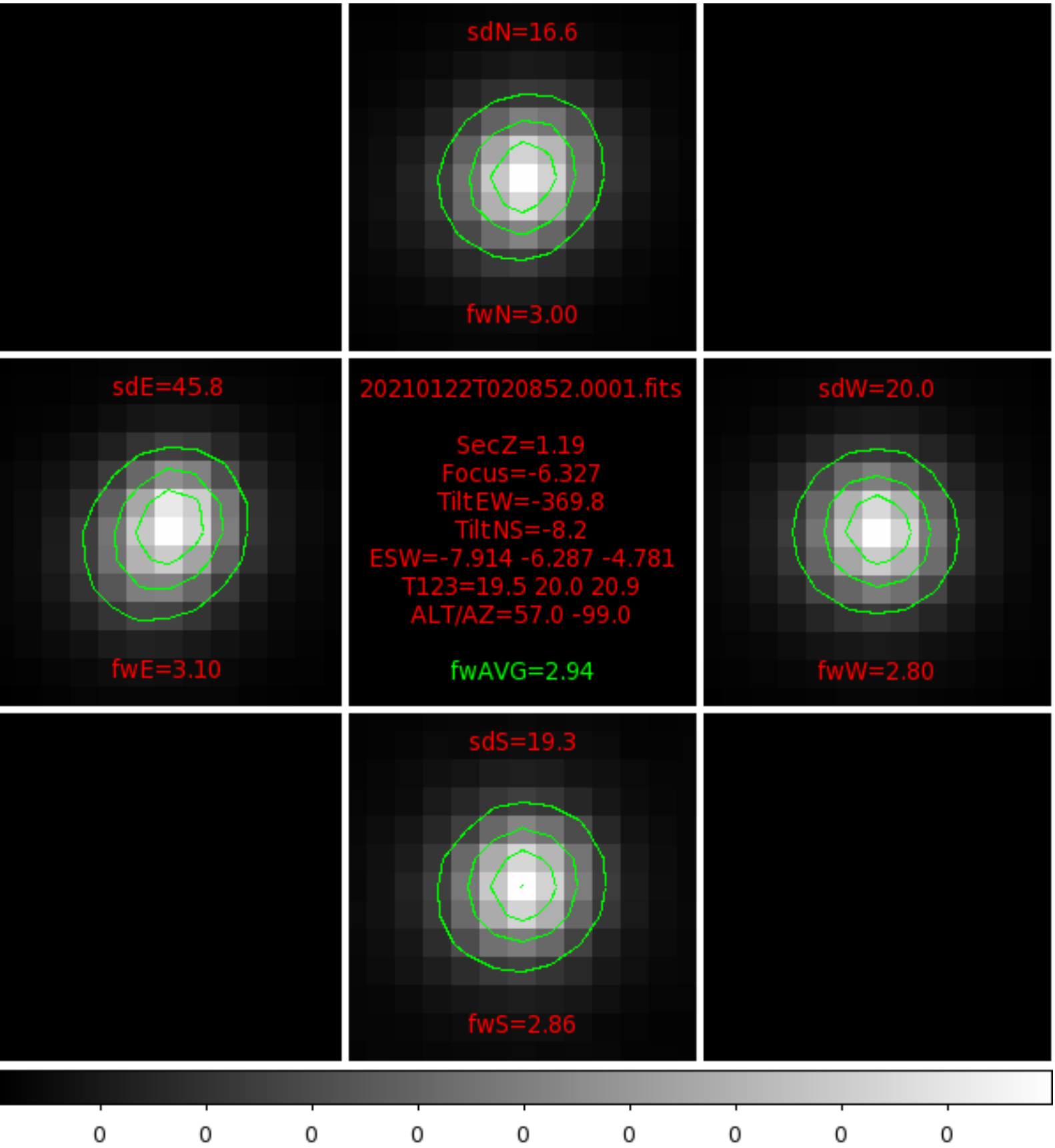
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SecZ=1.19
Focus=-6.327
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.914 -6.287 -4.781
T123=19.5 20.0 20.9
ALT/AZ=57.0 -99.0
fwAVG=2.94
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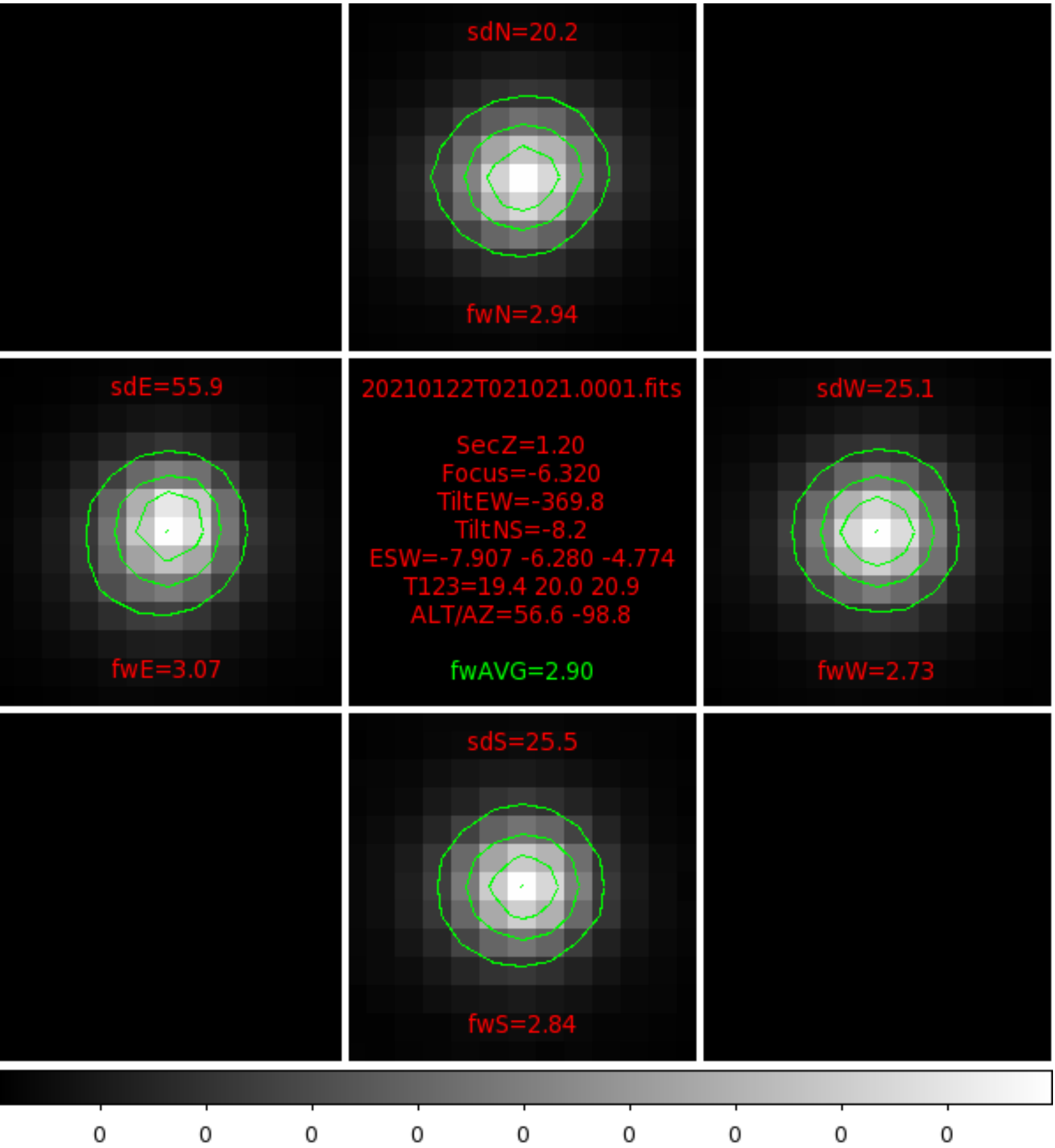
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sdE=55.9
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SecZ=1.20
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.4 20.0 20.9
ALT/AZ=56.6 -98.8
fwAVG=2.90
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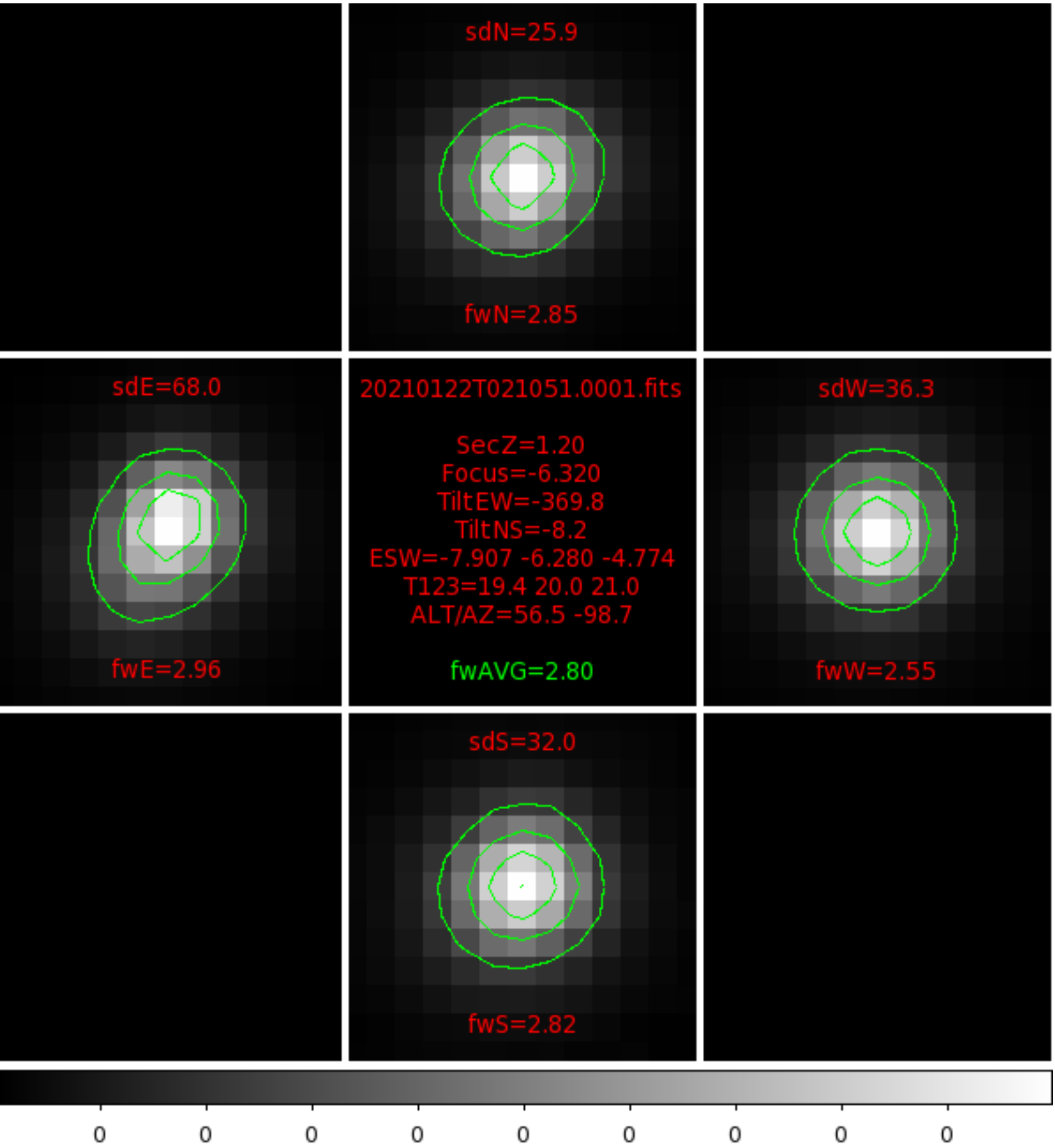
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SecZ=1.20
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.4 20.0 21.0
ALT/AZ=56.5 -98.7
fwAVG=2.80
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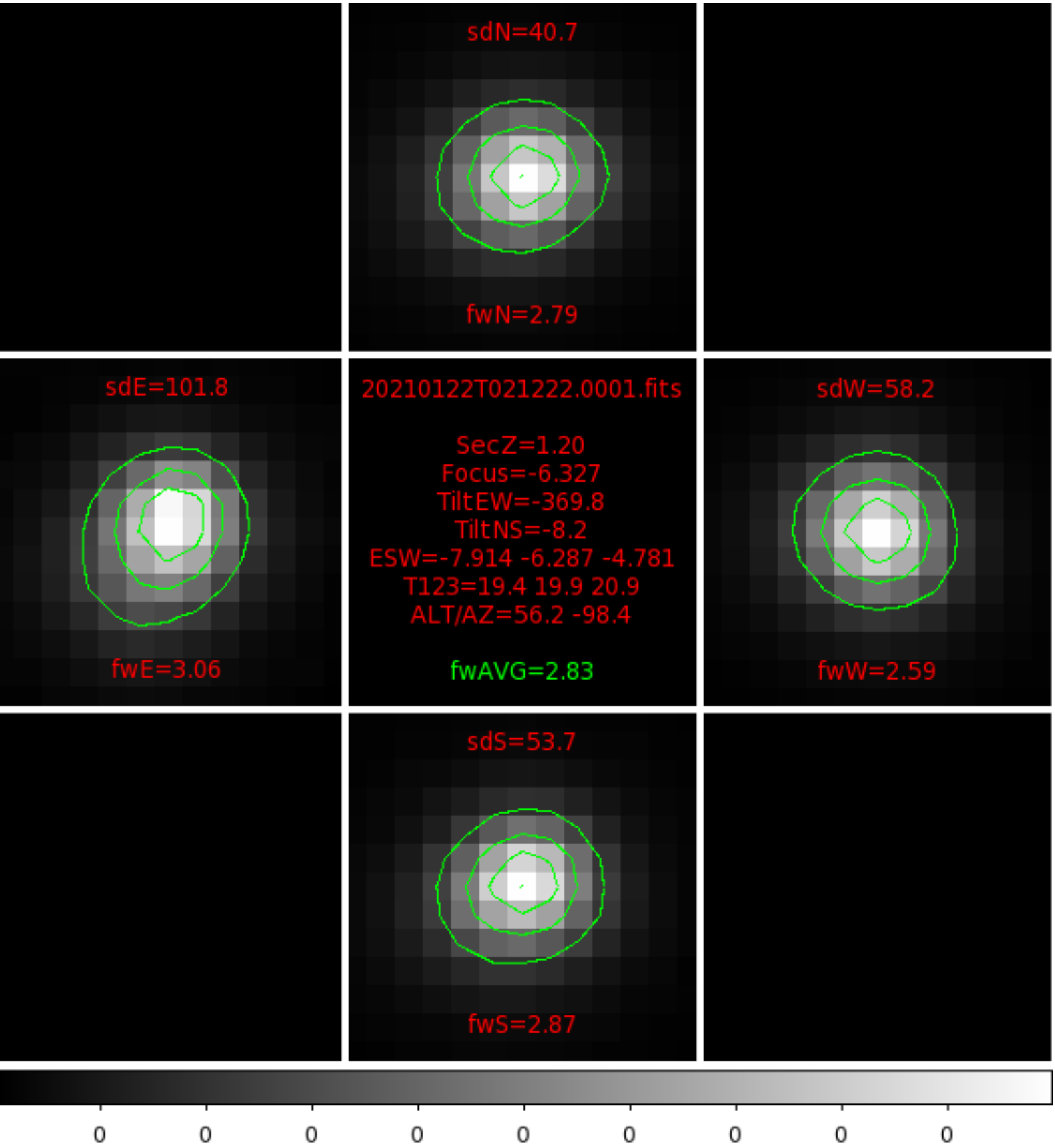
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SecZ=1.20
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.914 -6.287 -4.781
T123=19.4 19.9 20.9
ALT/AZ=56.2 -98.4
fwAVG=2.83
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sdS=53.7
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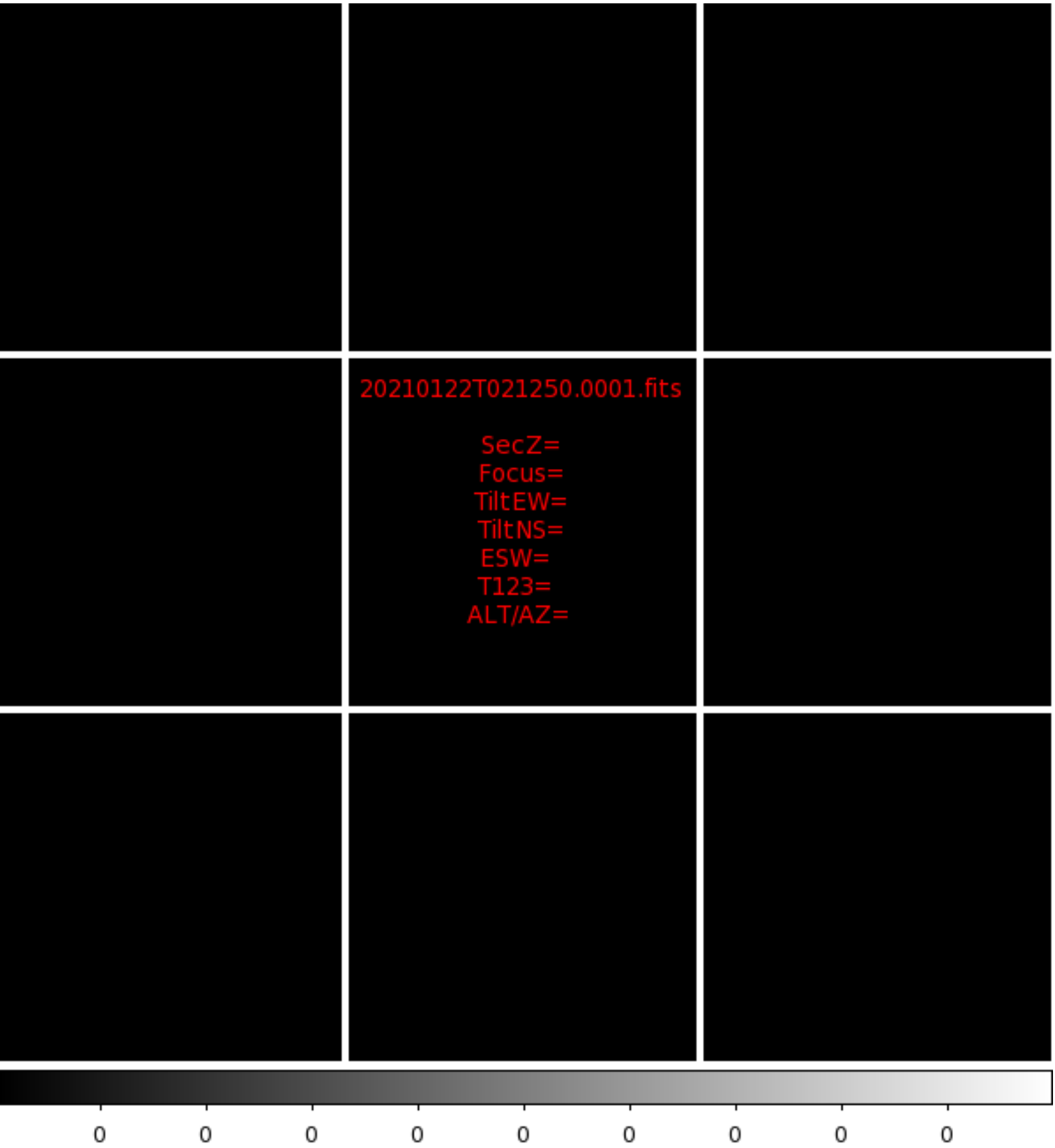
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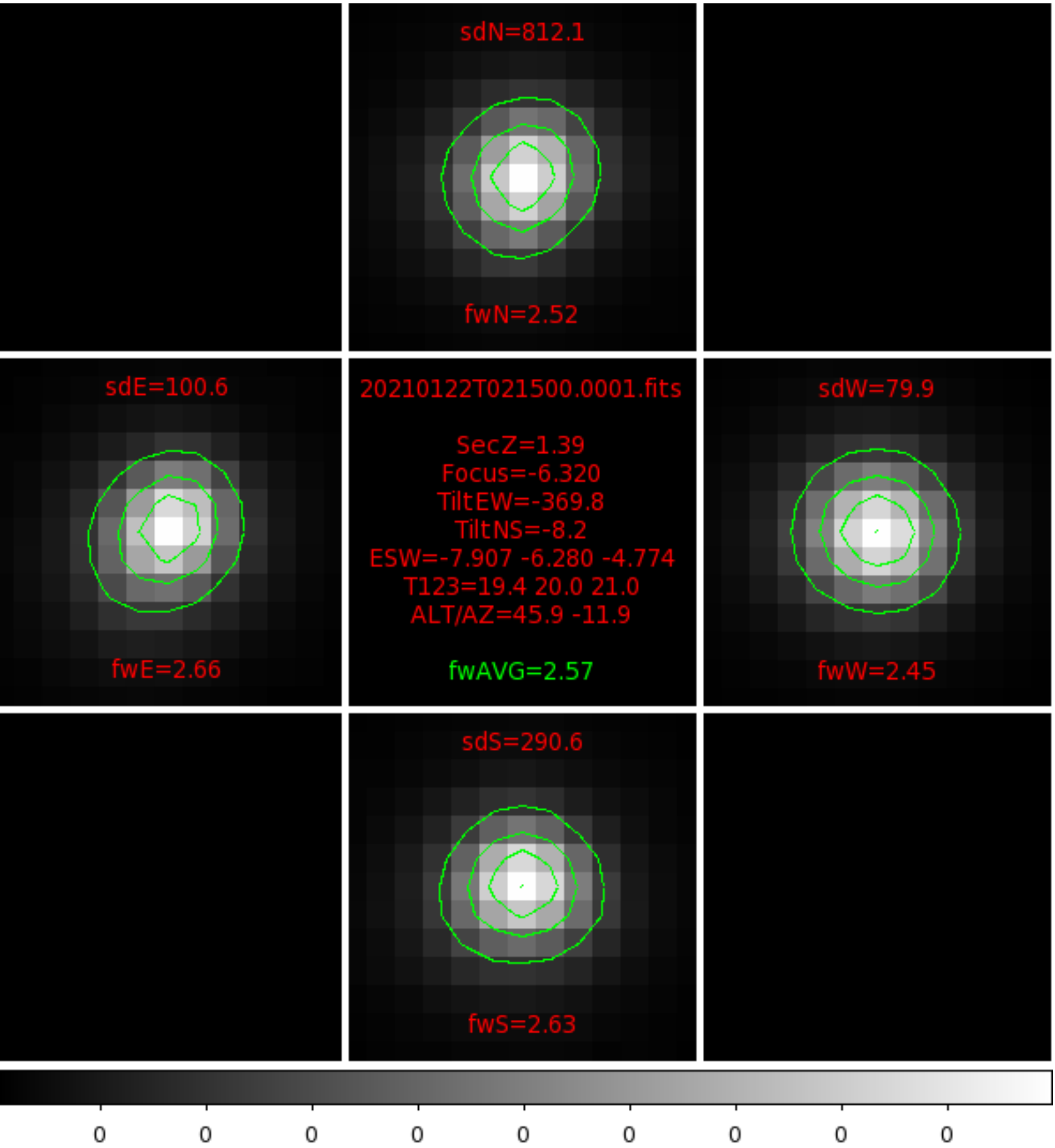
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Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.4 20.0 21.0
ALT/AZ=45.9 -11.9
fwAVG=2.57
sdW=79.9
fwW=2.45
sdS=290.6
fwS=2.63
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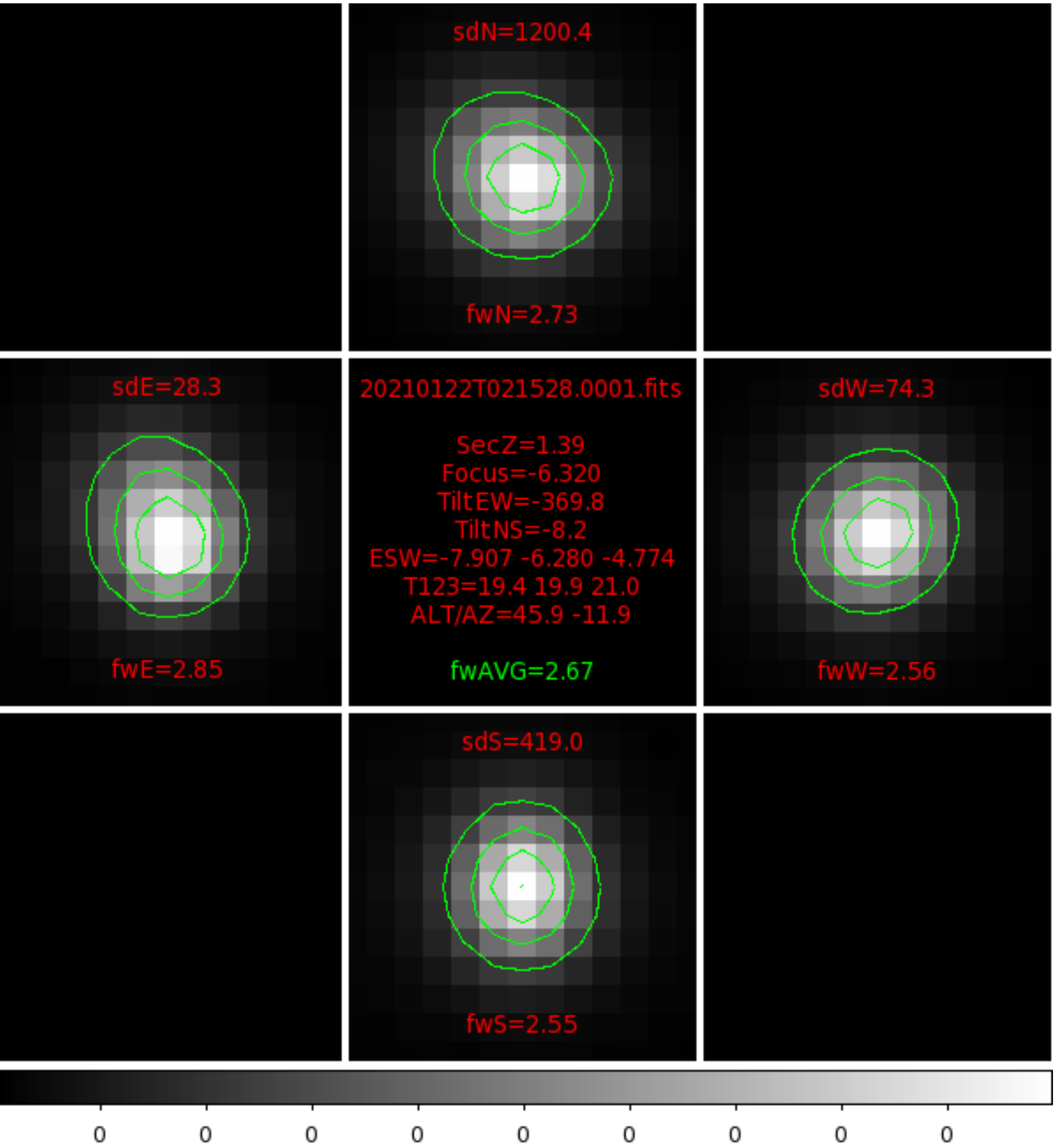
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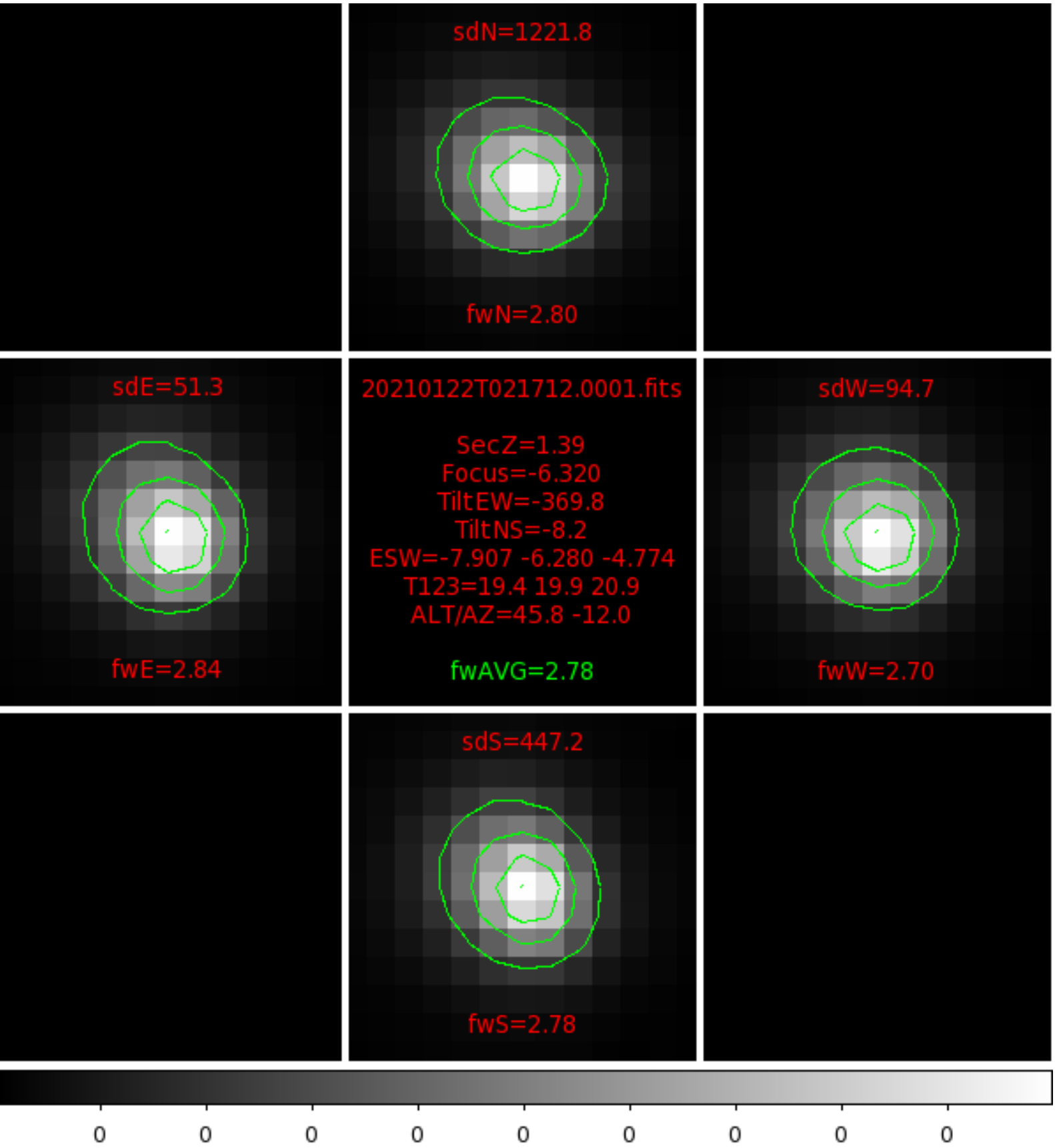
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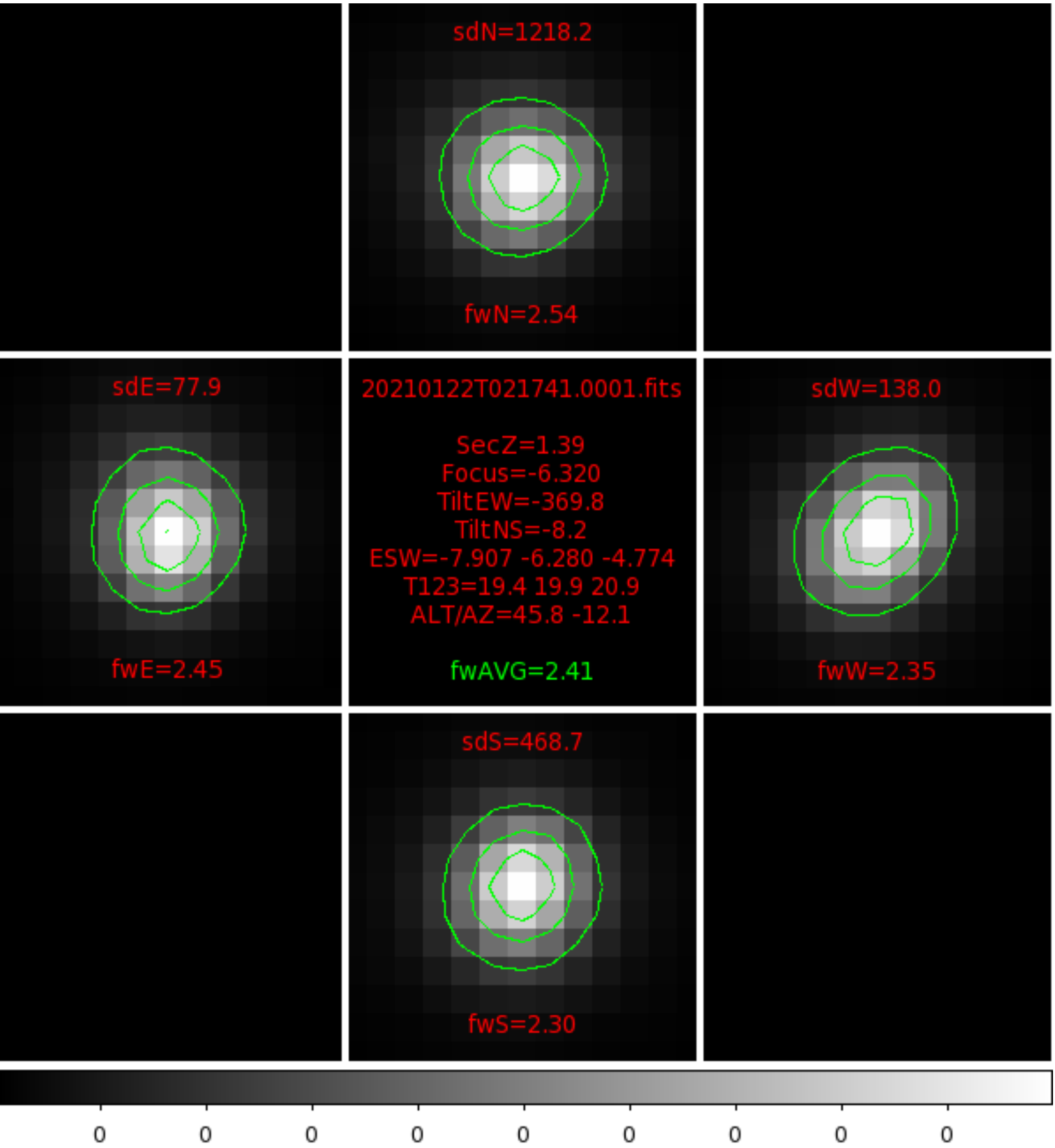
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ESW=-7.907 -6.280 -4.774
T123=19.4 19.9 20.9
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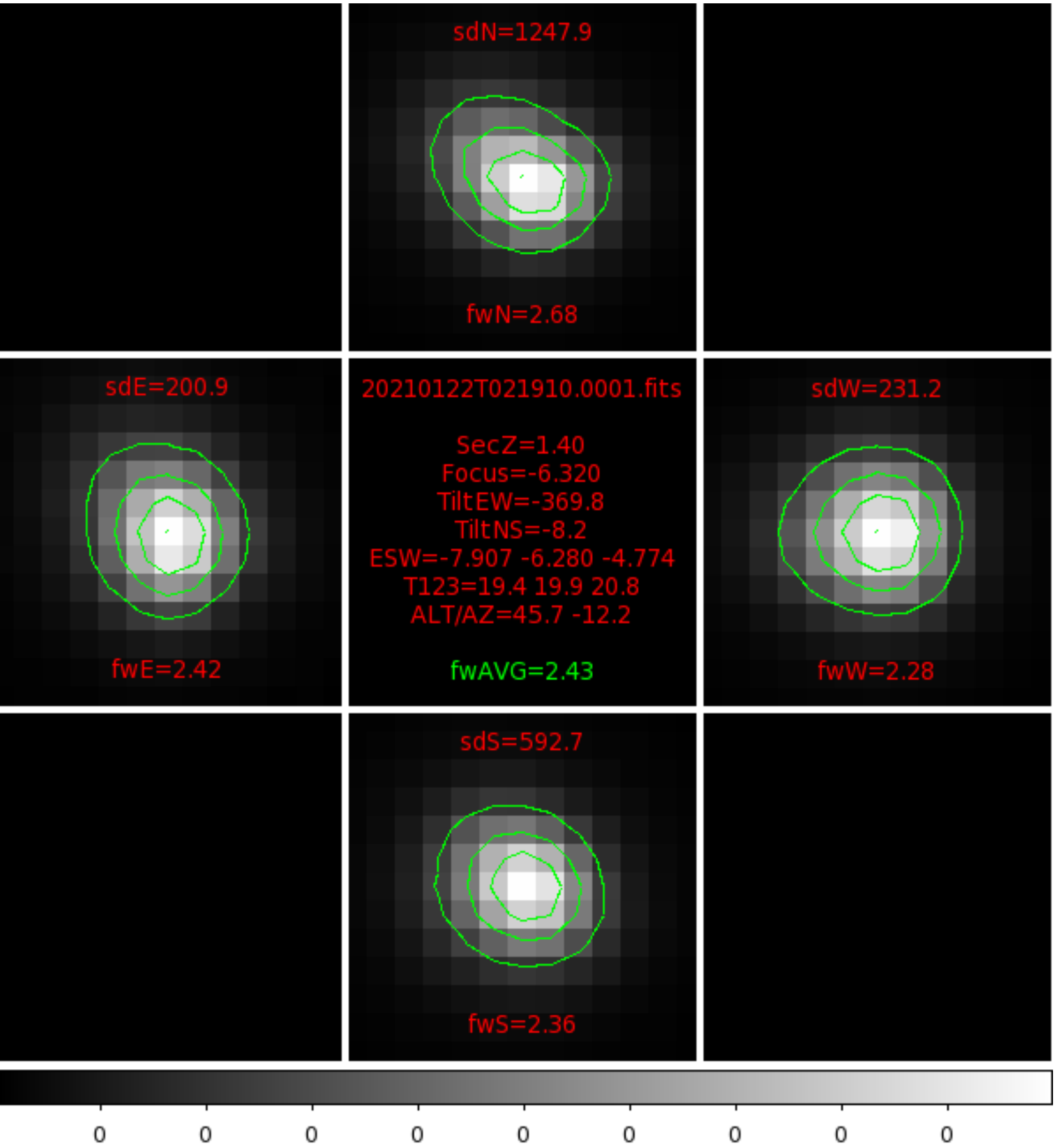
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ESW=-7.907 -6.280 -4.774
T123=19.4 19.9 20.8
ALT/AZ=45.7 -12.2
fwAVG=2.43
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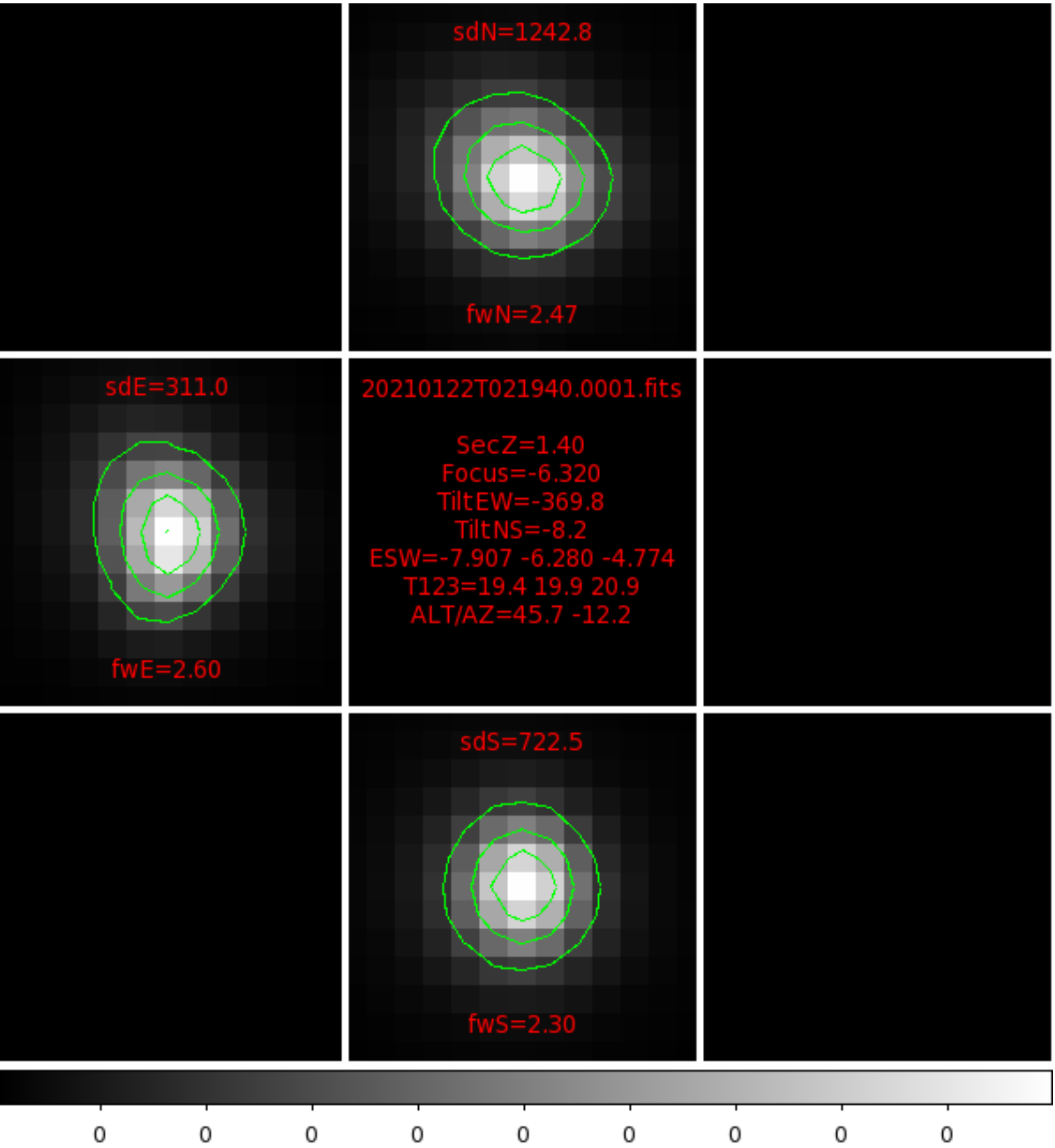
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TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.4 19.9 20.9
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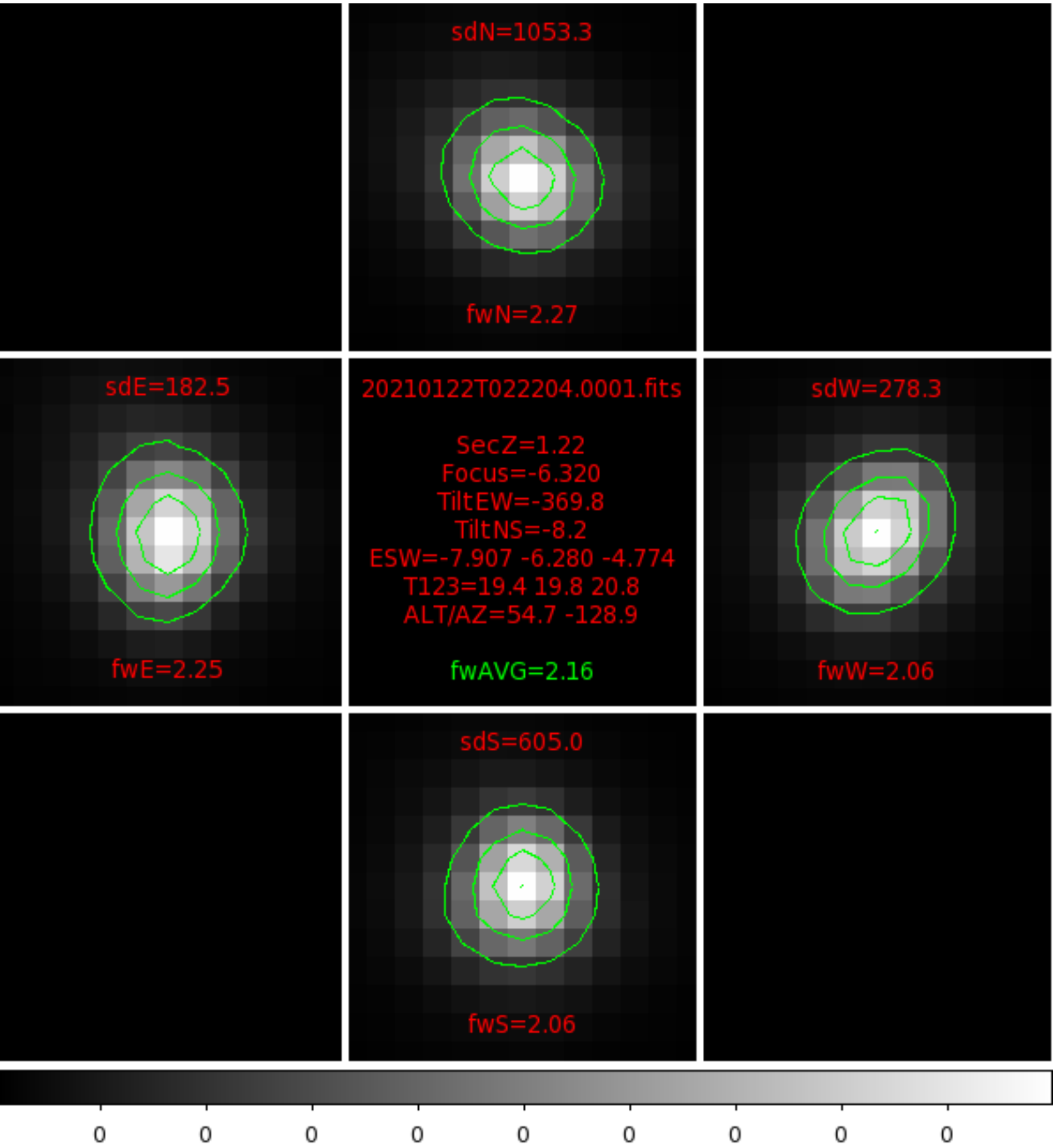
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ESW=-7.907 -6.280 -4.774
T123=19.4 19.8 20.8
ALT/AZ=54.7 -128.9
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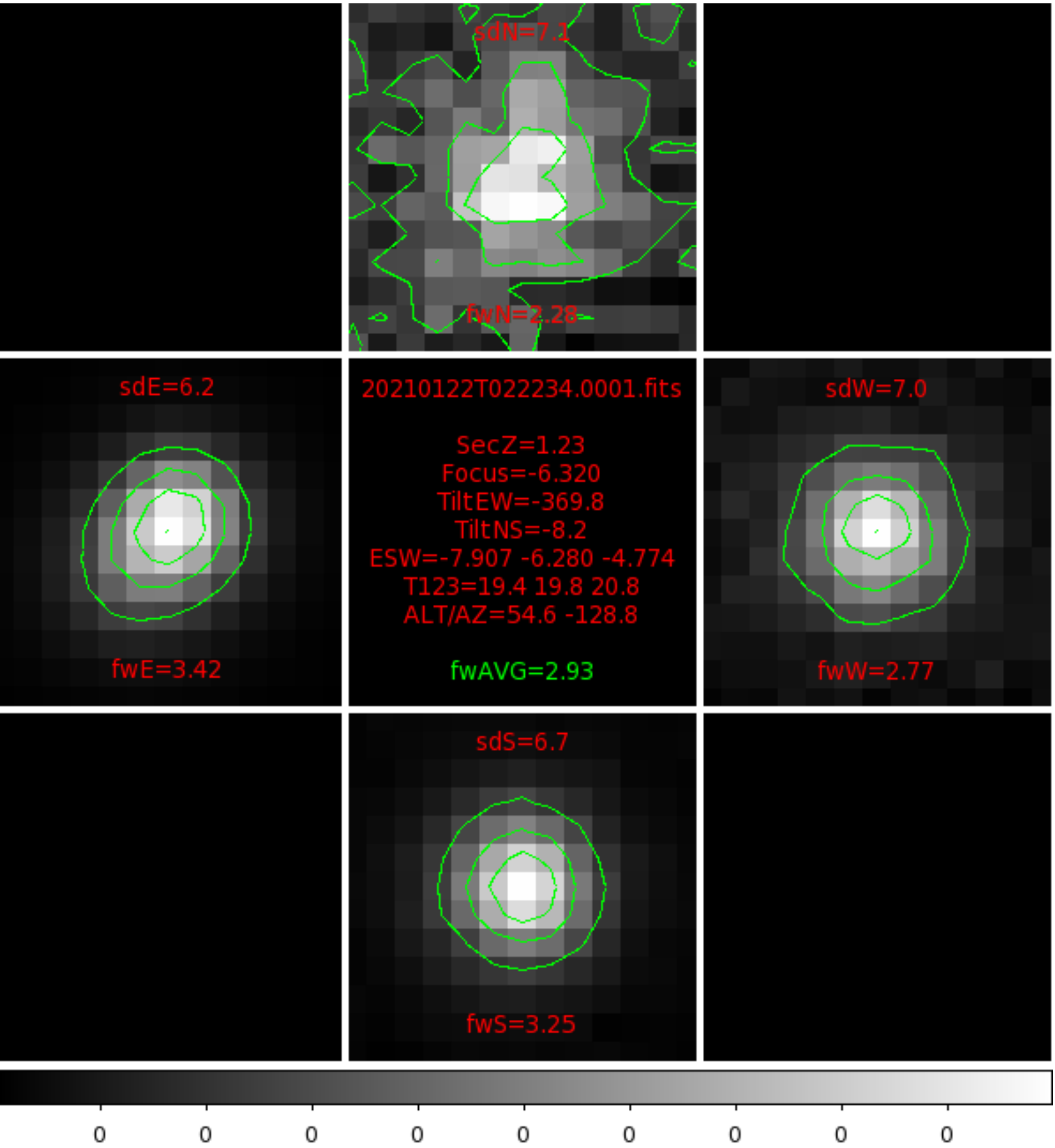
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fwE=3.42
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SecZ=1.23
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TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.4 19.8 20.8
ALT/AZ=54.6 -128.8
fwAVG=2.93
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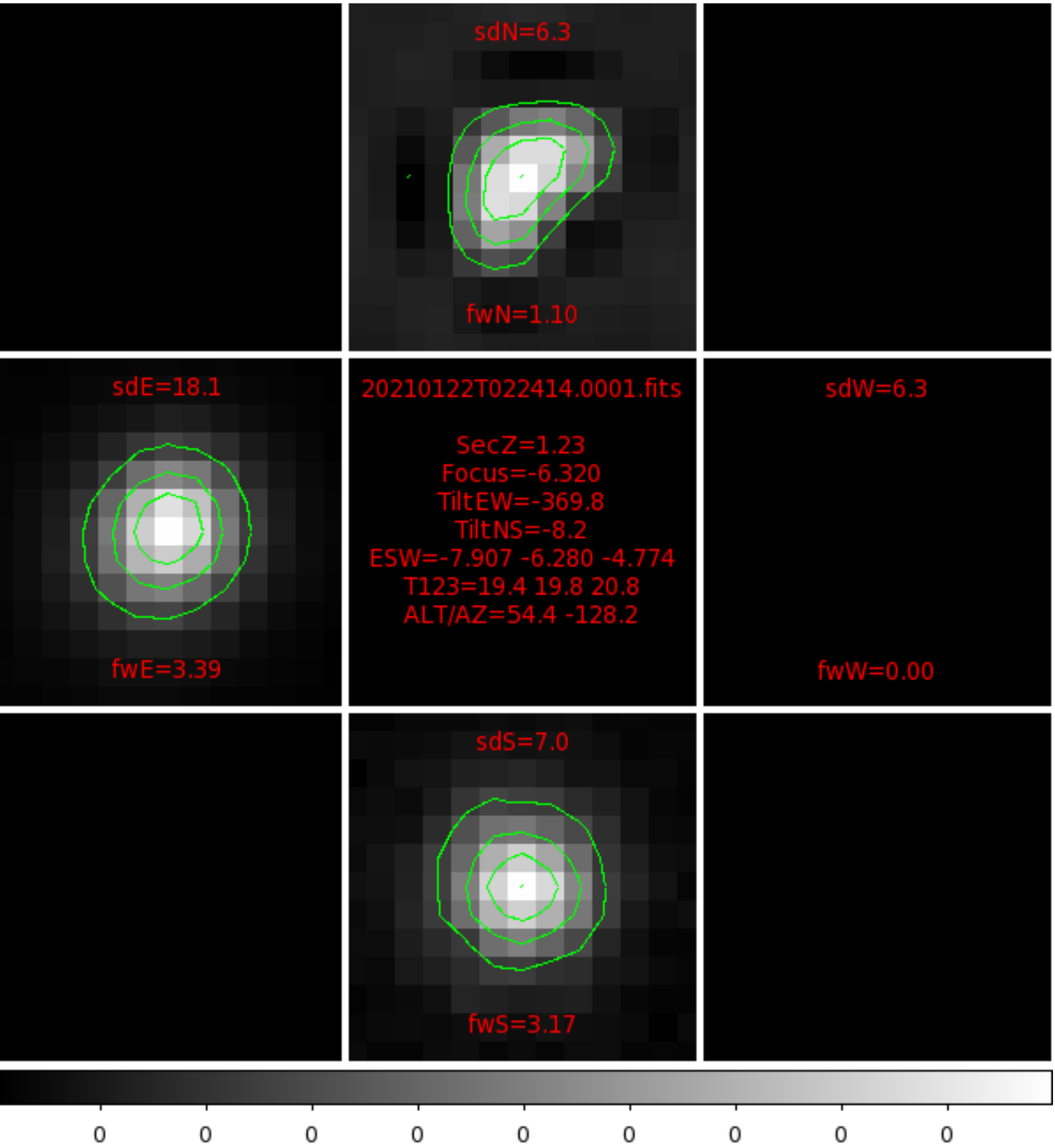
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TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.4 19.8 20.8
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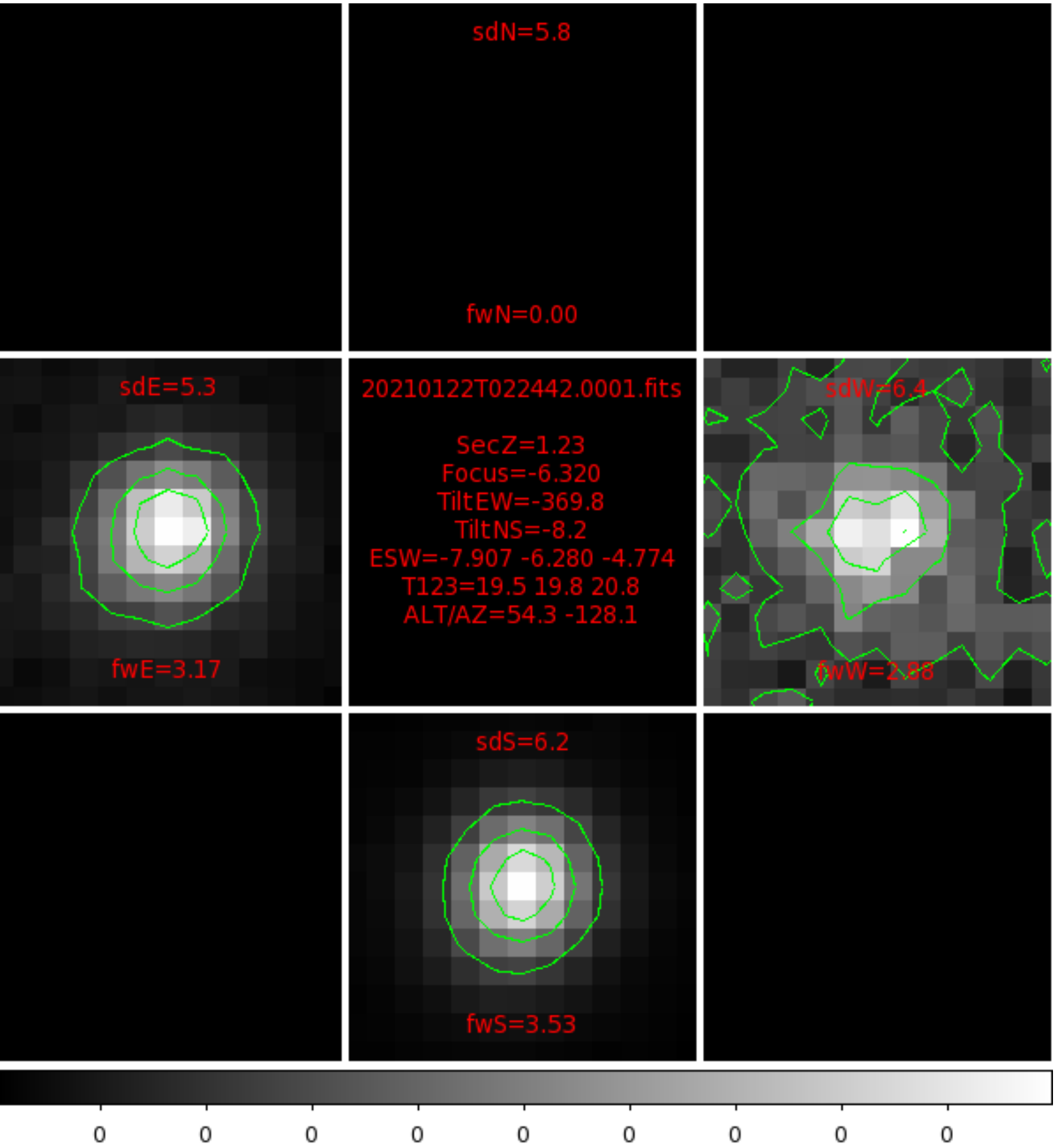
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.5 19.8 20.8
ALT/AZ=54.3 -128.1
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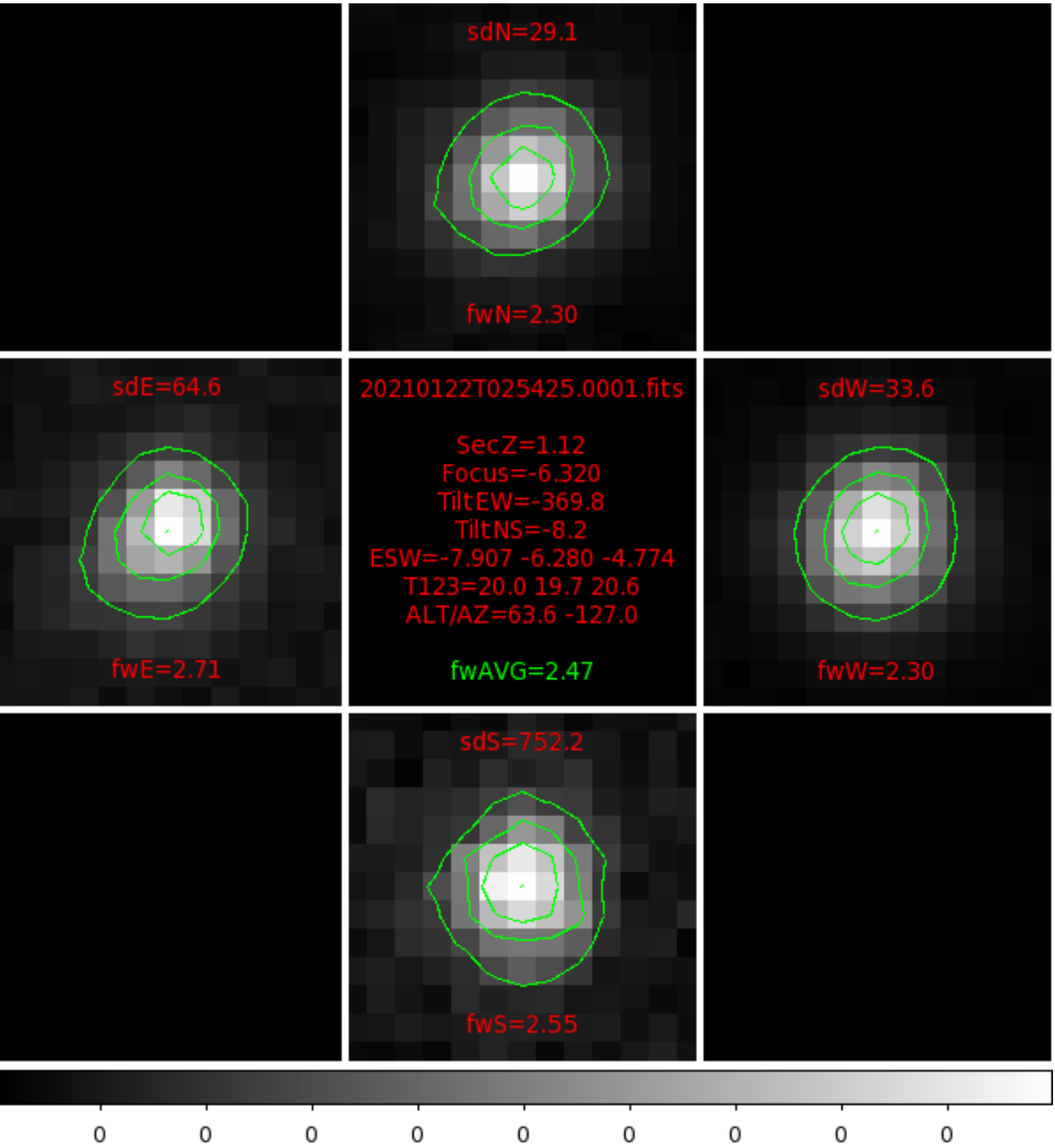
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sdE=64.6
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SecZ=1.12
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TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=20.0 19.7 20.6
ALT/AZ=63.6 -127.0
fwAVG=2.47
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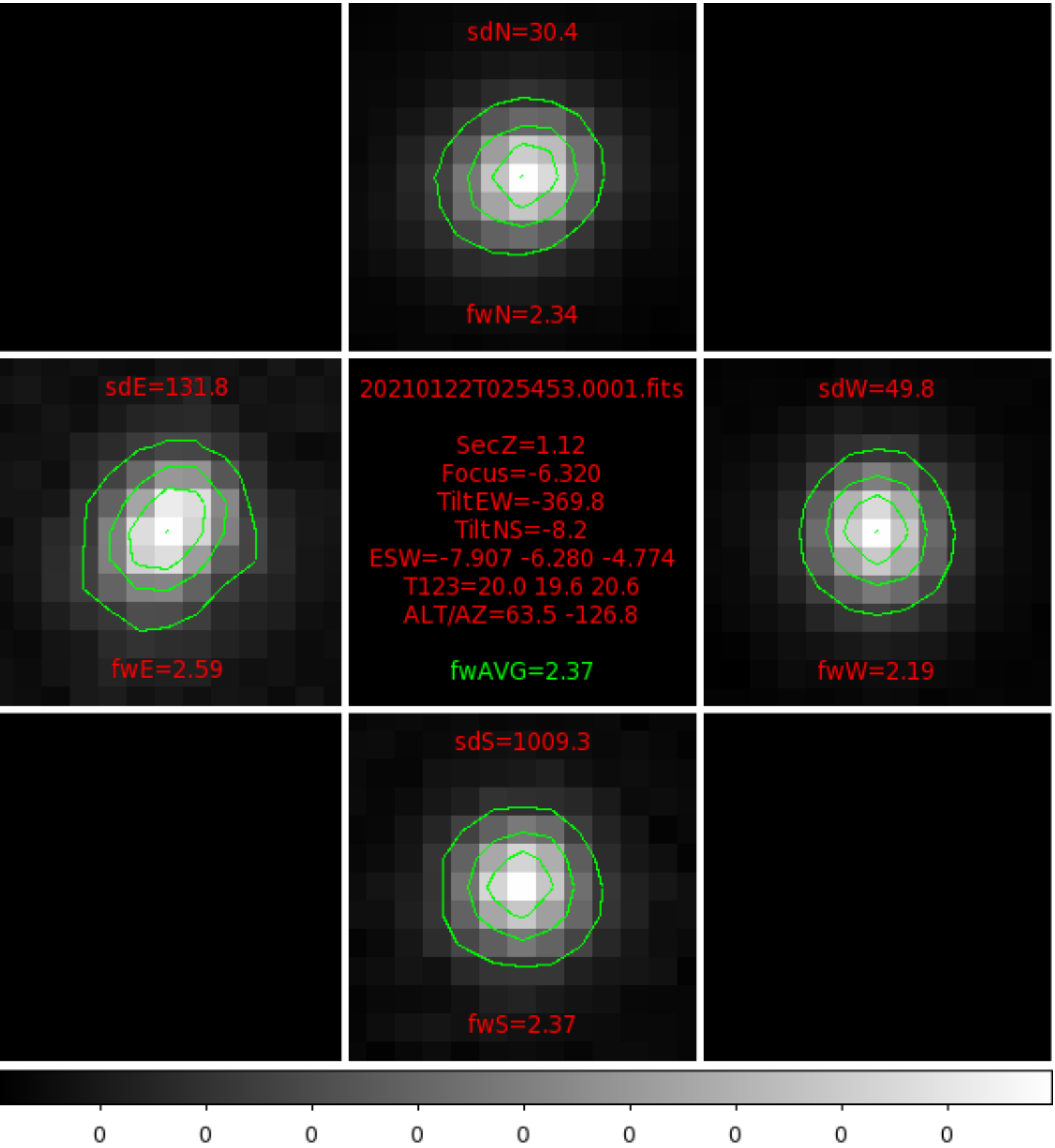
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sdE=131.8
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SecZ=1.12
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=20.0 19.6 20.6
ALT/AZ=63.5 -126.8
fwAVG=2.37
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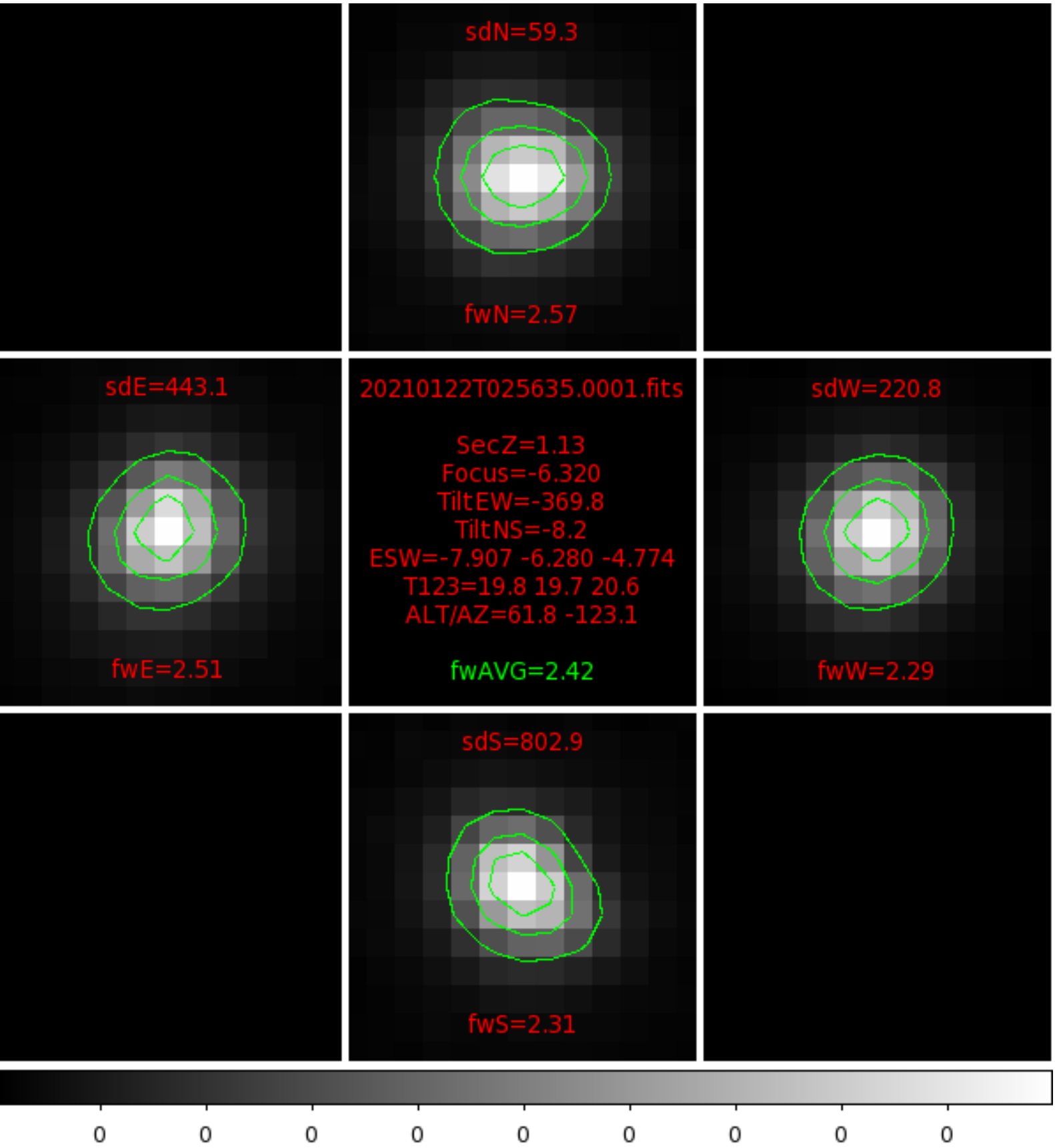
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SecZ=1.13
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TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.8 19.7 20.6
ALT/AZ=61.8 -123.1
fwAVG=2.42
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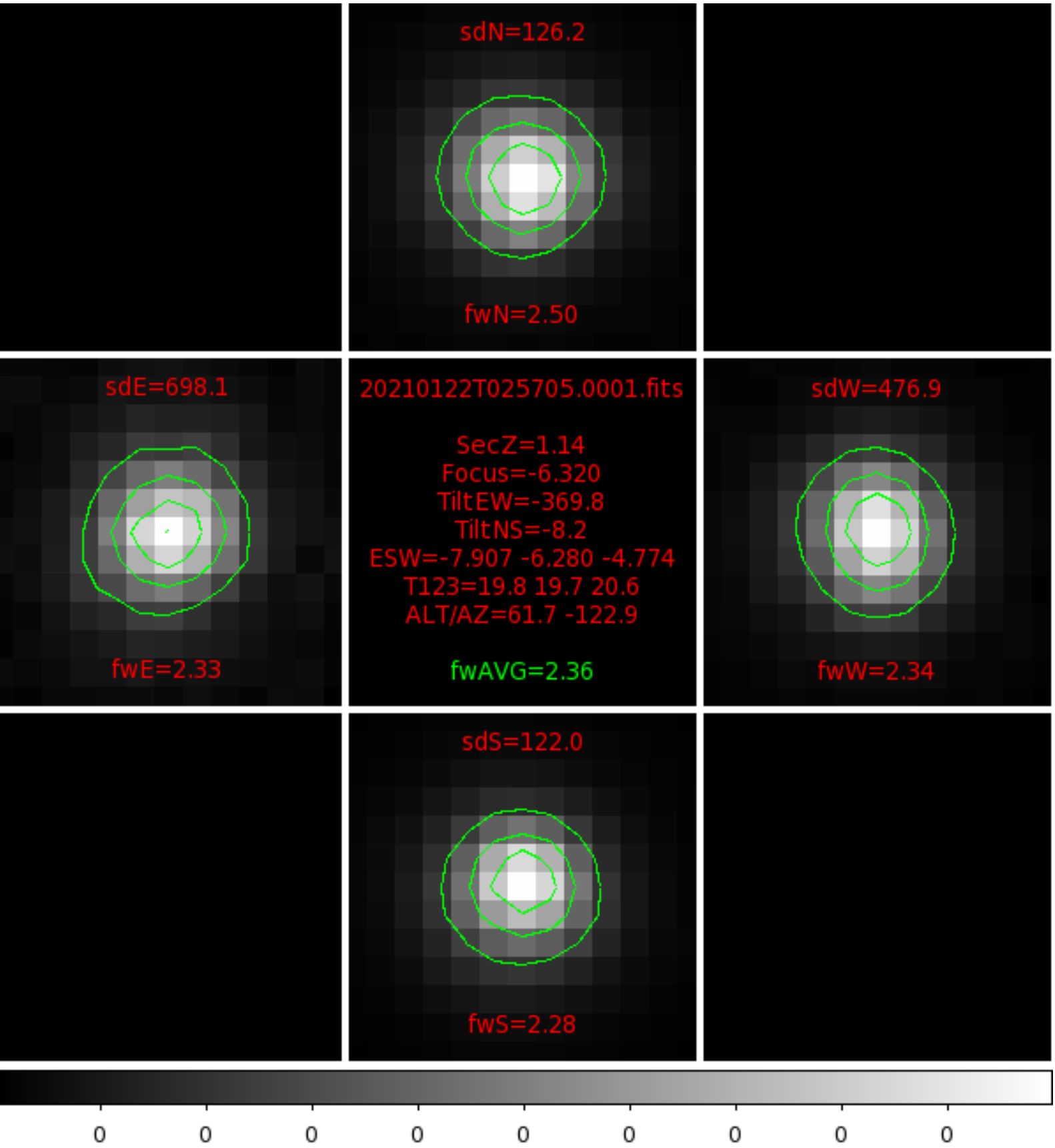
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SecZ=1.14
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TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.8 19.7 20.6
ALT/AZ=61.7 -122.9
fwAVG=2.36
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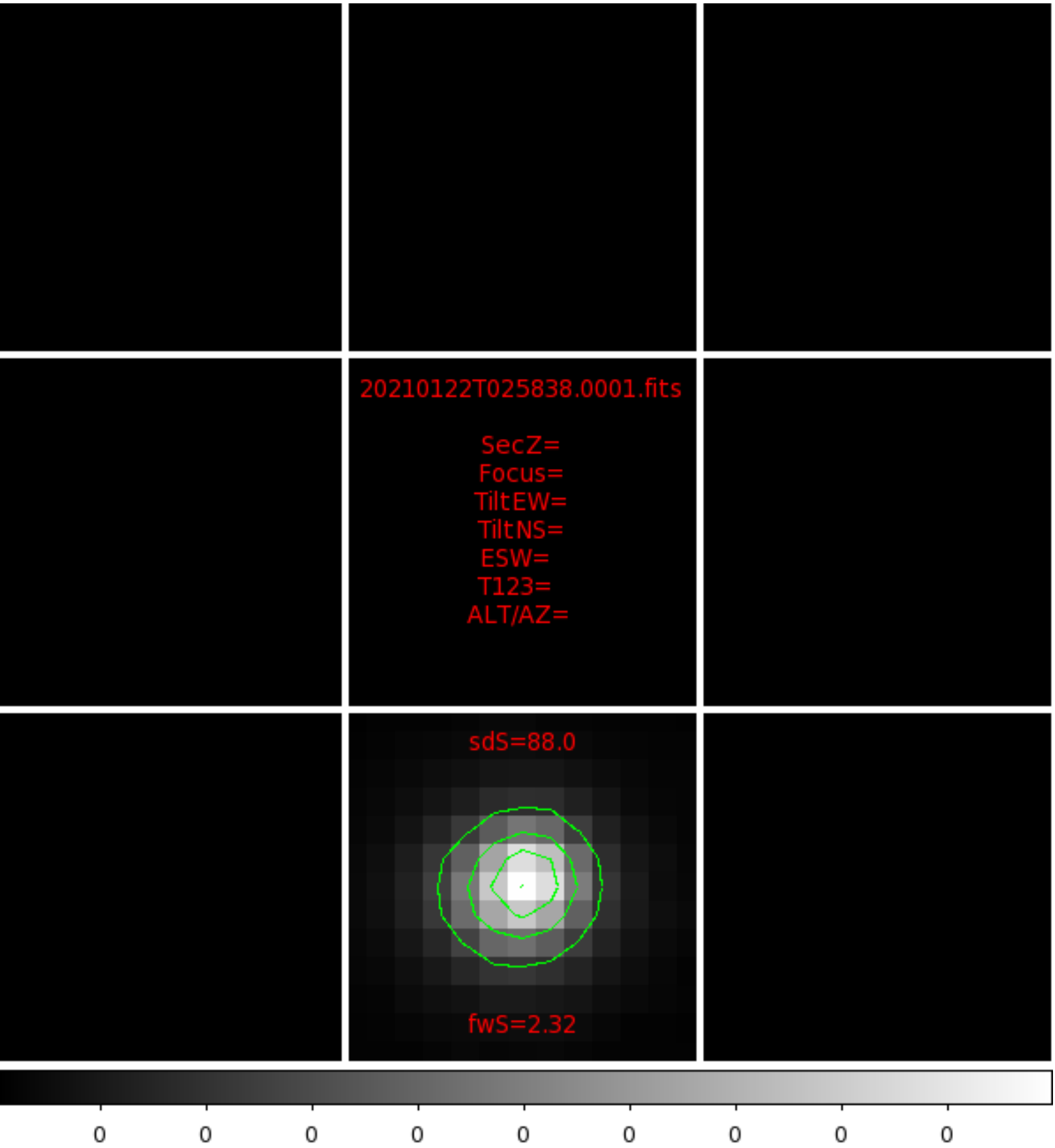
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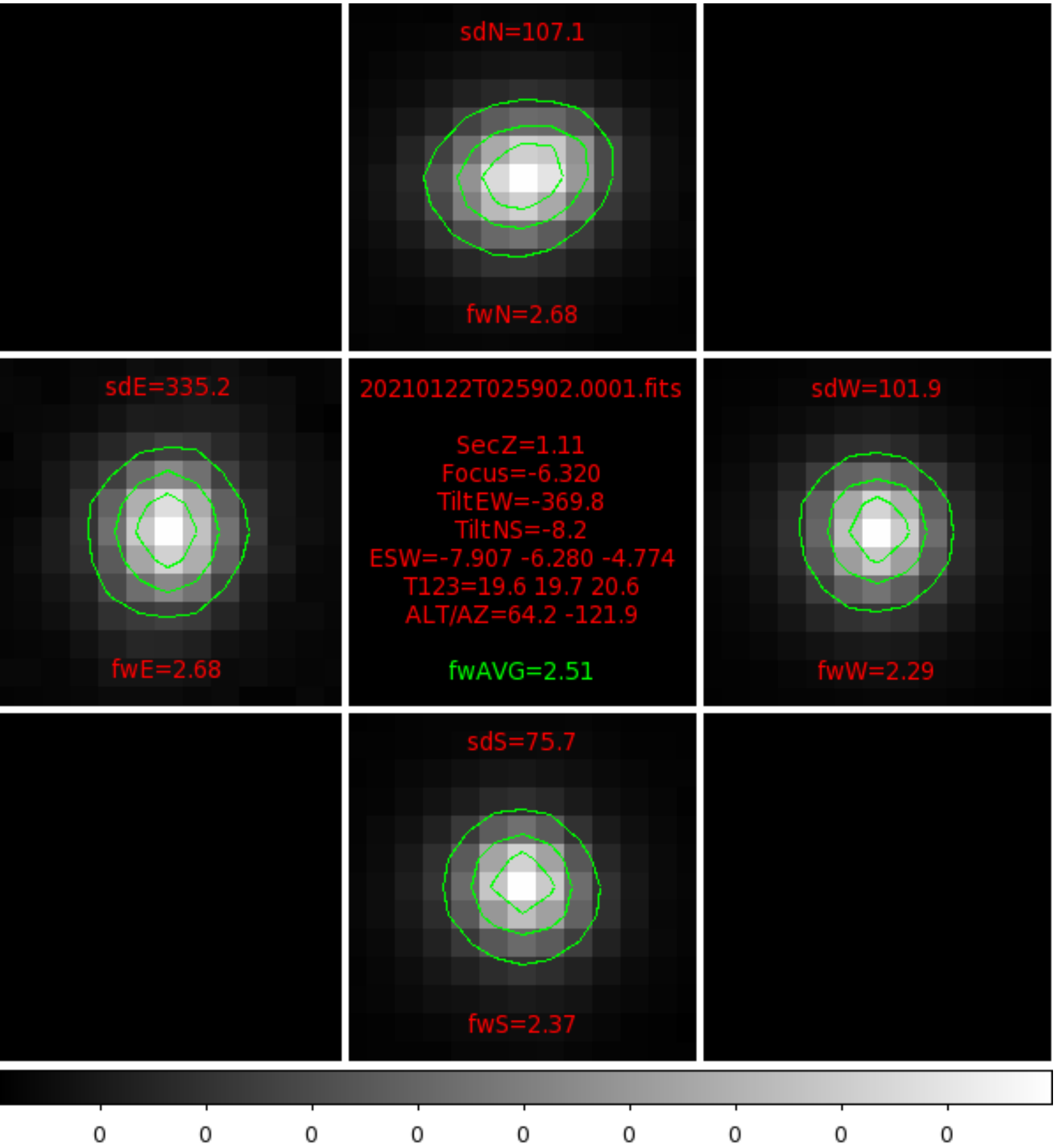
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sdE=335.2
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SecZ=1.11
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.6 19.7 20.6
ALT/AZ=64.2 -121.9
fwAVG=2.51
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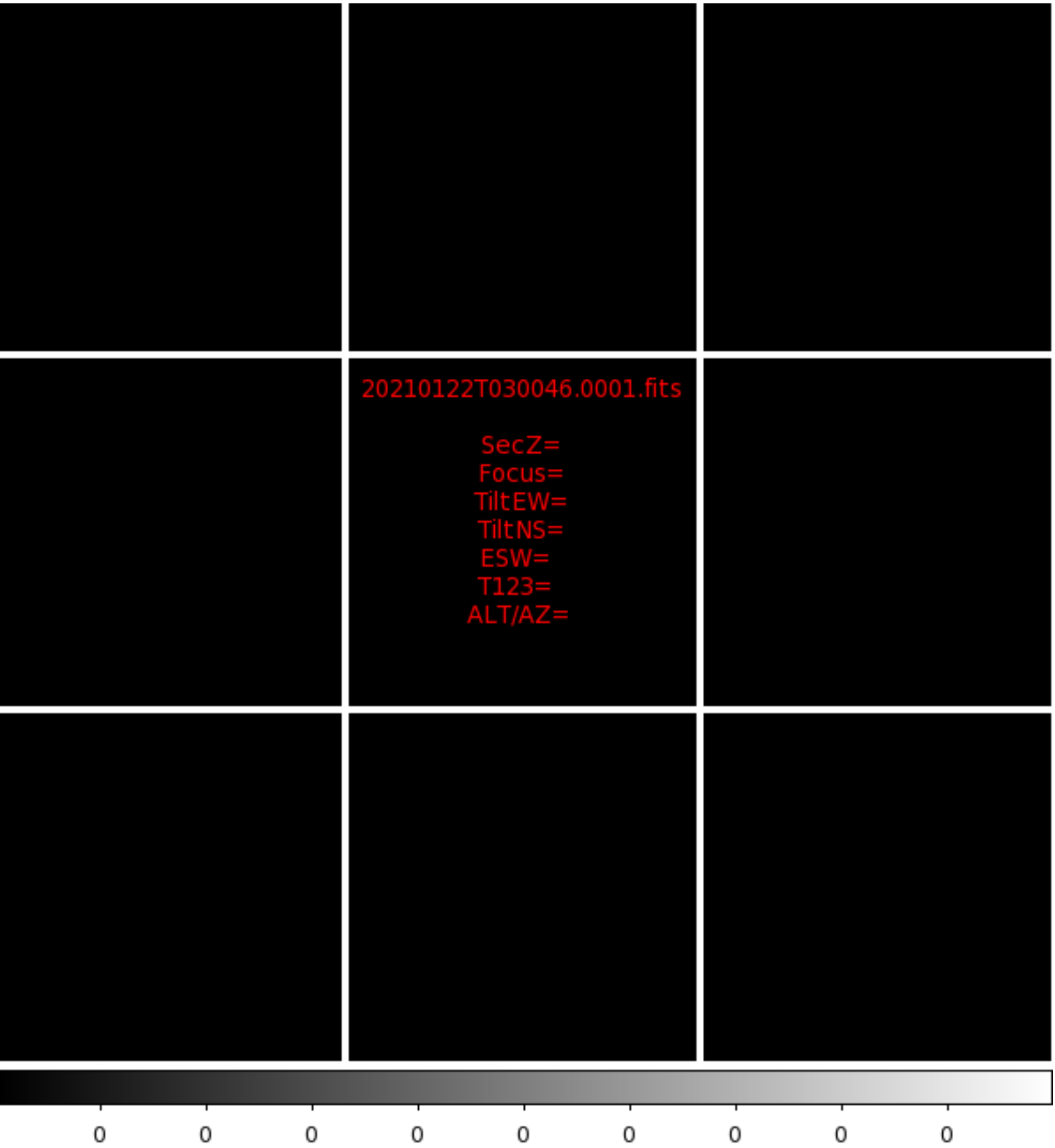
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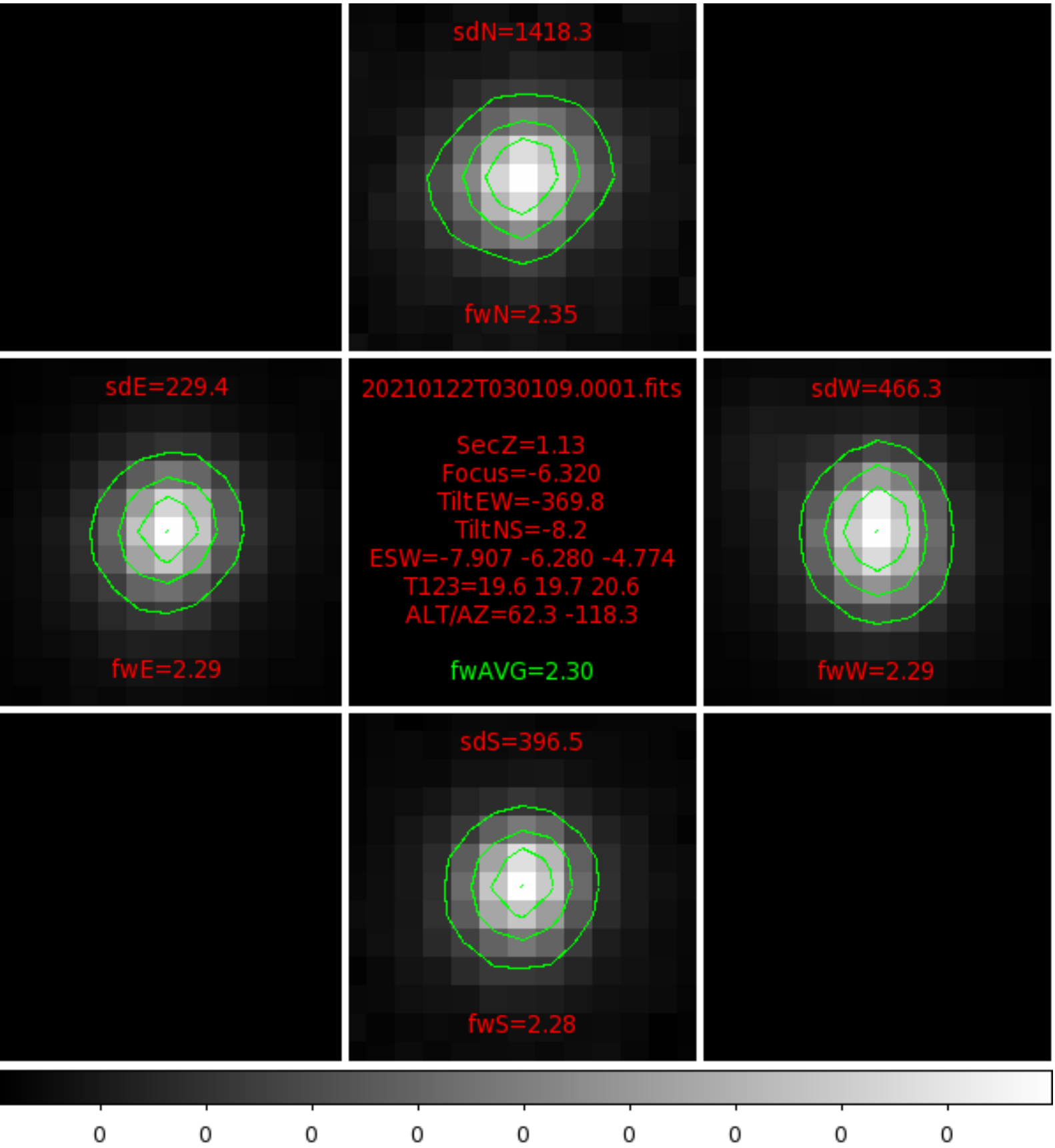
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SecZ=1.13
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ESW=-7.907 -6.280 -4.774
T123=19.6 19.7 20.6
ALT/AZ=62.3 -118.3
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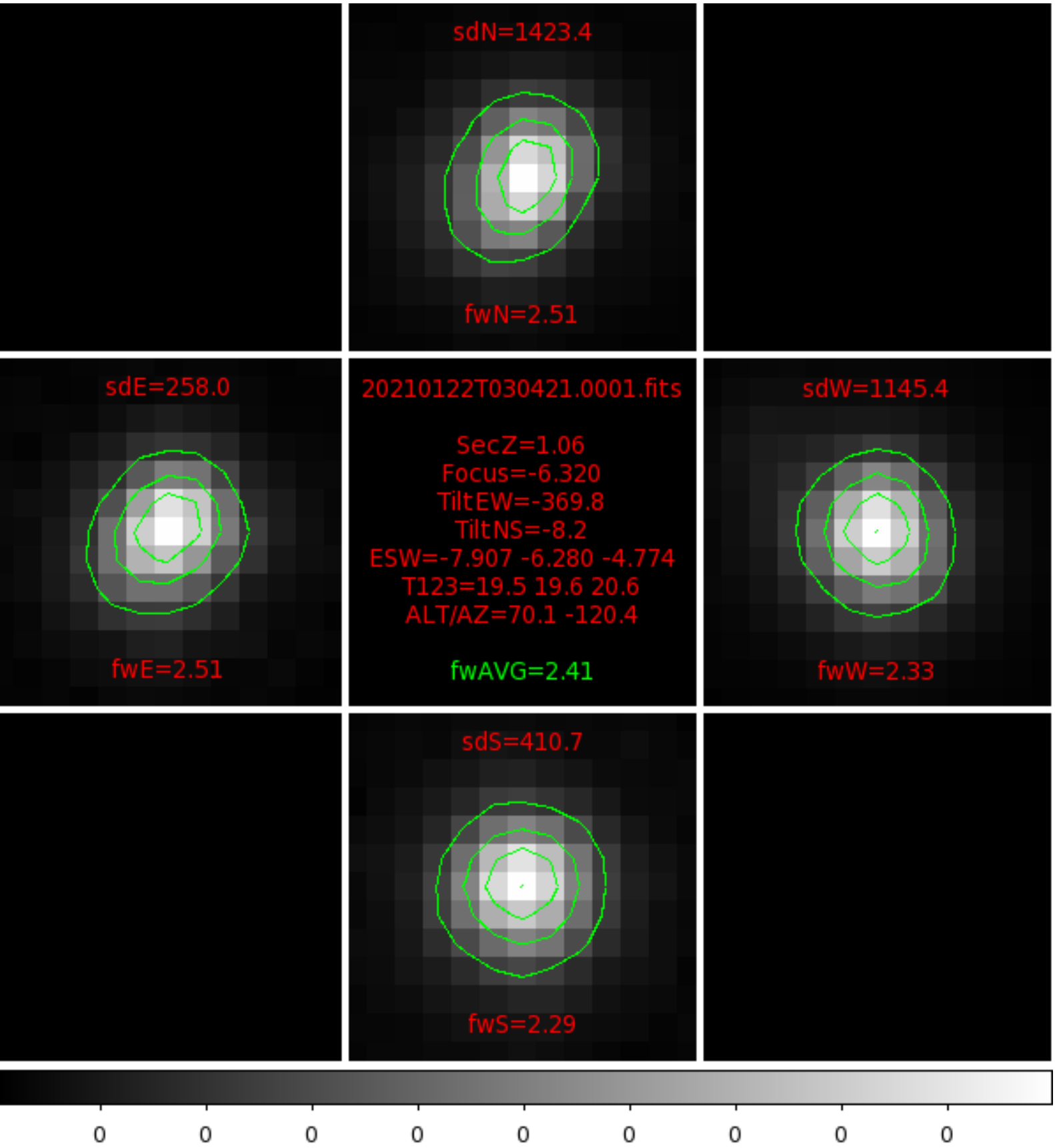
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TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.5 19.6 20.6
ALT/AZ=70.1 -120.4
fwAVG=2.41
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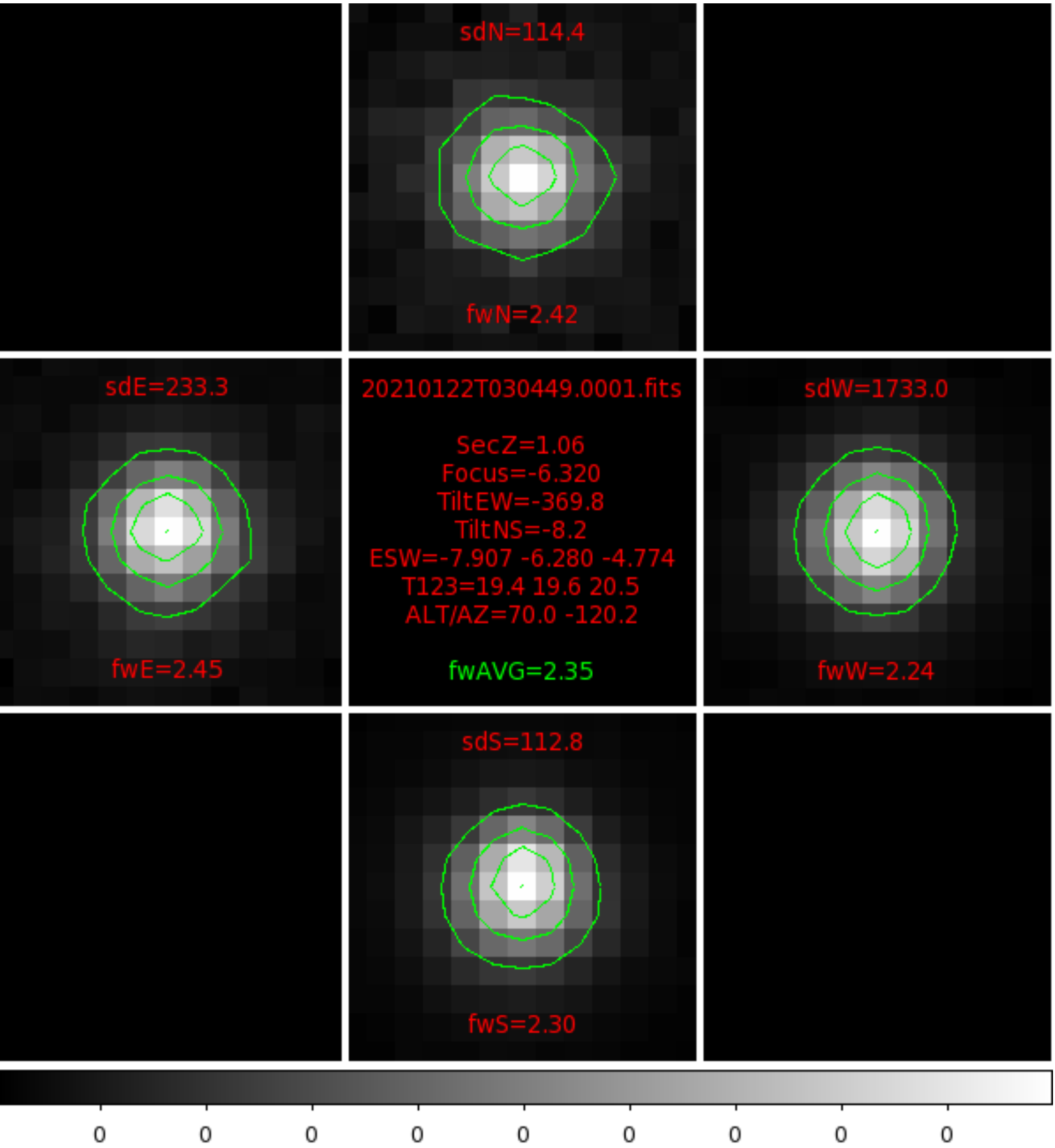
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SecZ=1.06
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TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.4 19.6 20.5
ALT/AZ=70.0 -120.2
fwAVG=2.35
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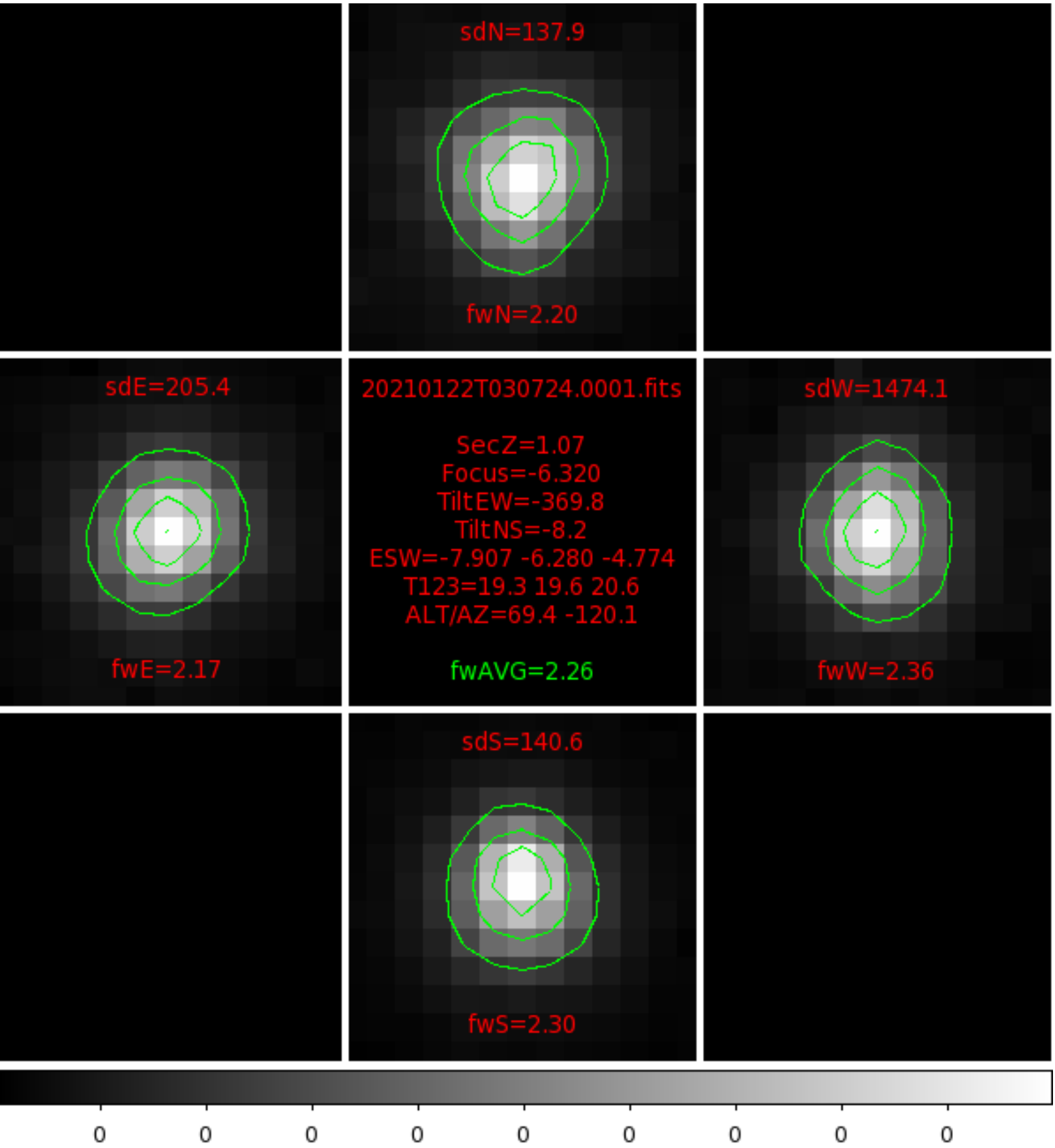
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TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.3 19.6 20.6
ALT/AZ=69.4 -120.1
fwAVG=2.26
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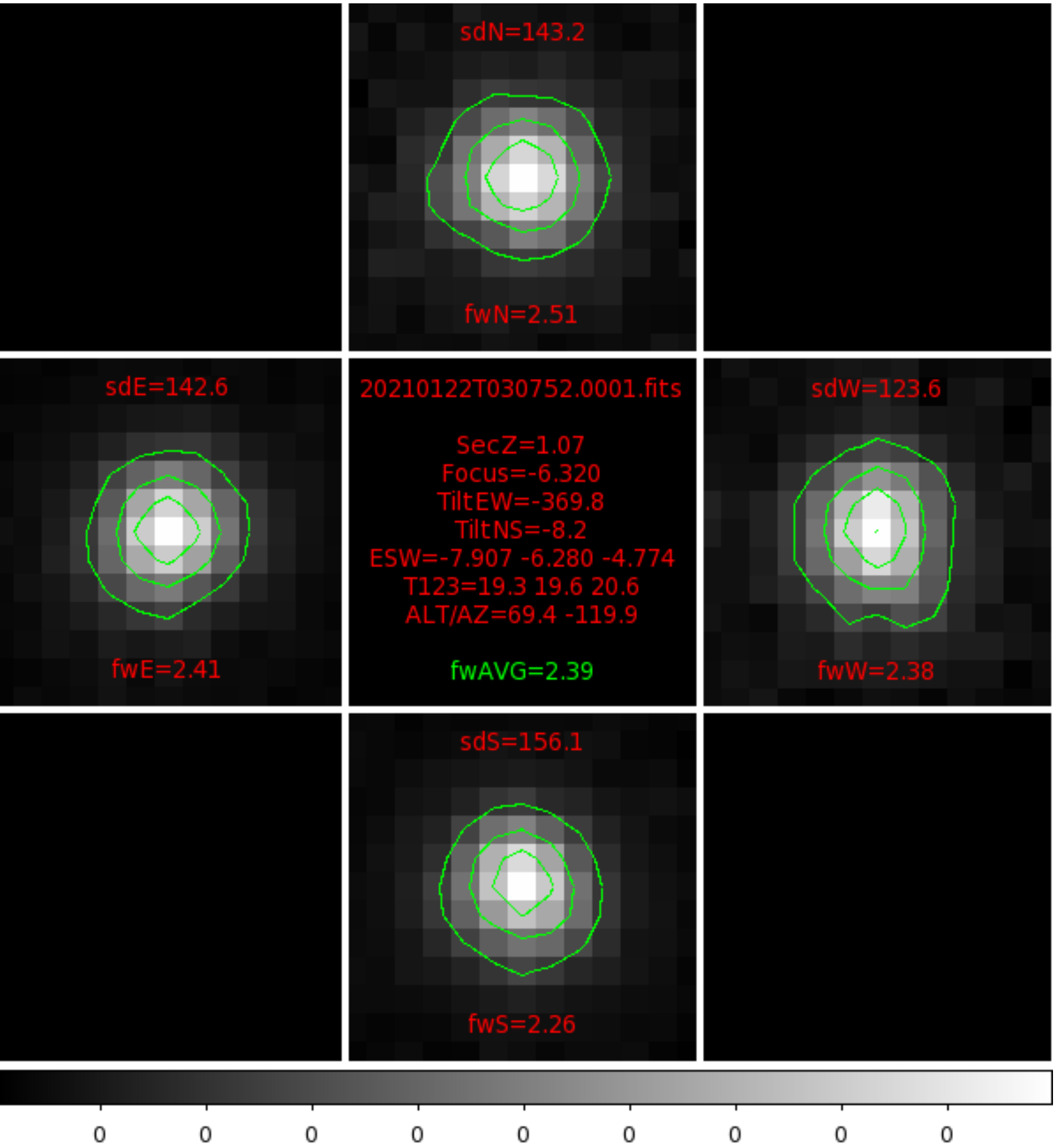
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sdE=142.6
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SecZ=1.07
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TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.3 19.6 20.6
ALT/AZ=69.4 -119.9
fwAVG=2.39
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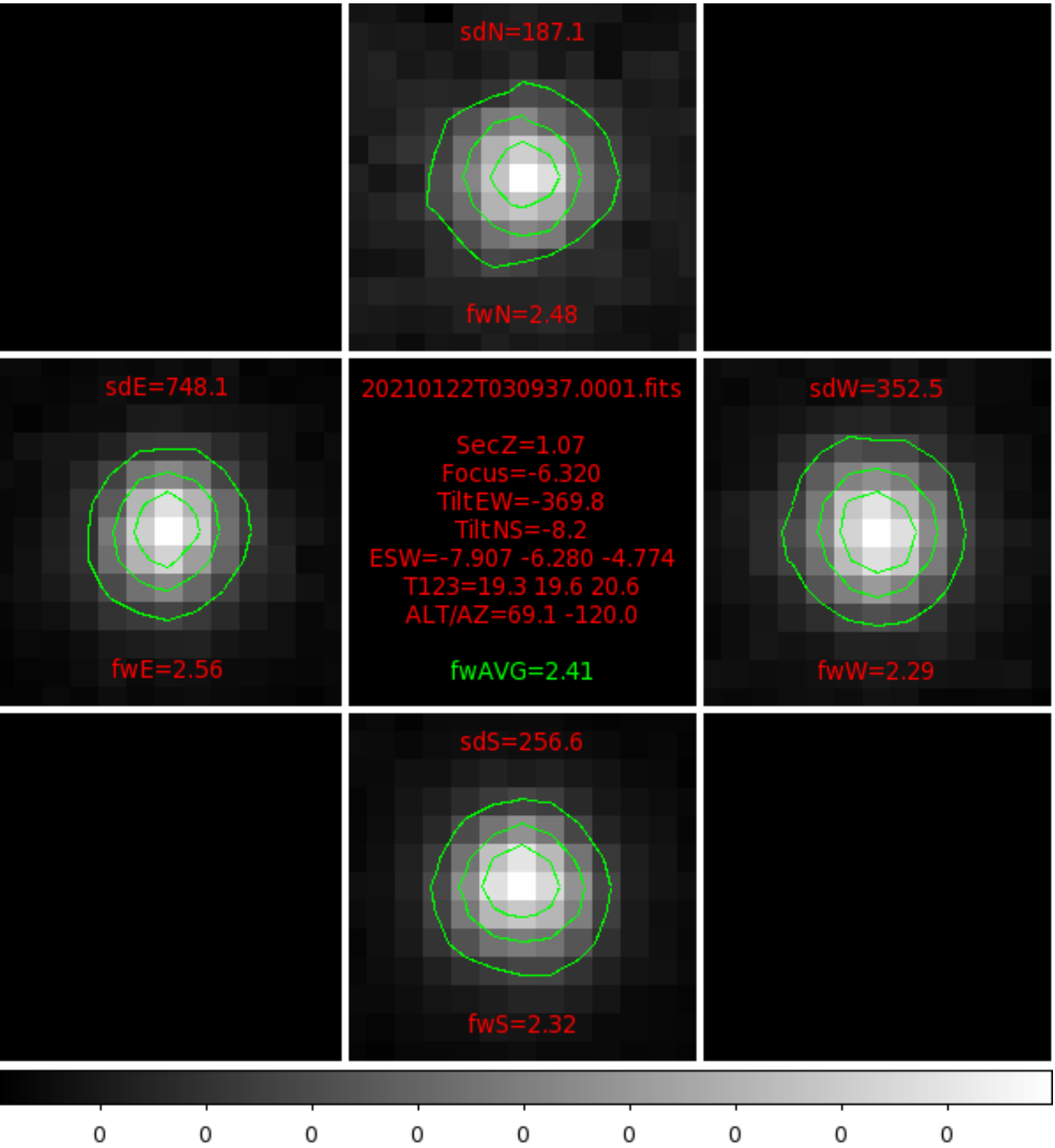
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SecZ=1.07
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.3 19.6 20.6
ALT/AZ=69.1 -120.0
fwAVG=2.41
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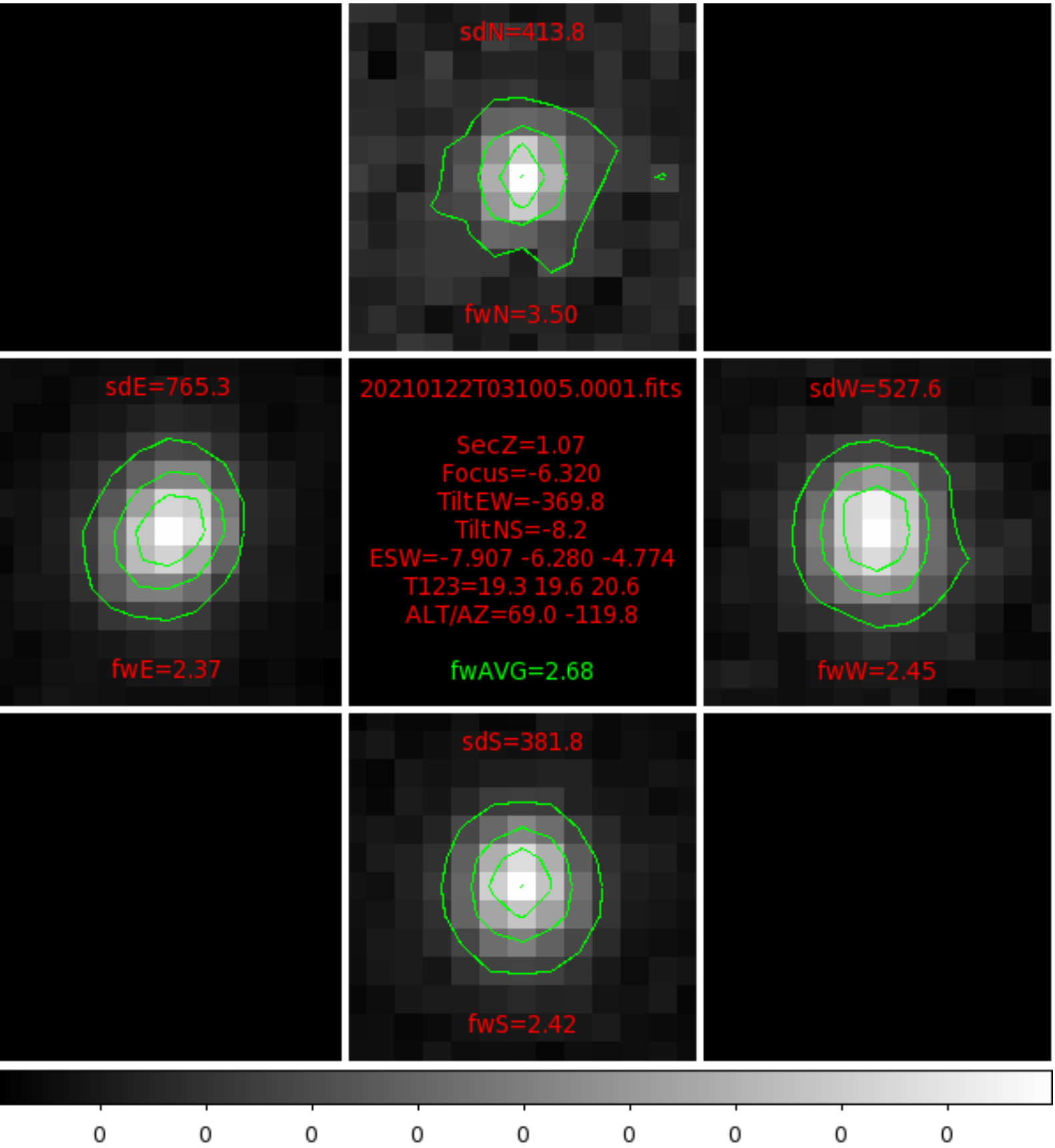
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sdE=765.3
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SecZ=1.07
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.3 19.6 20.6
ALT/AZ=69.0 -119.8
fwAVG=2.68
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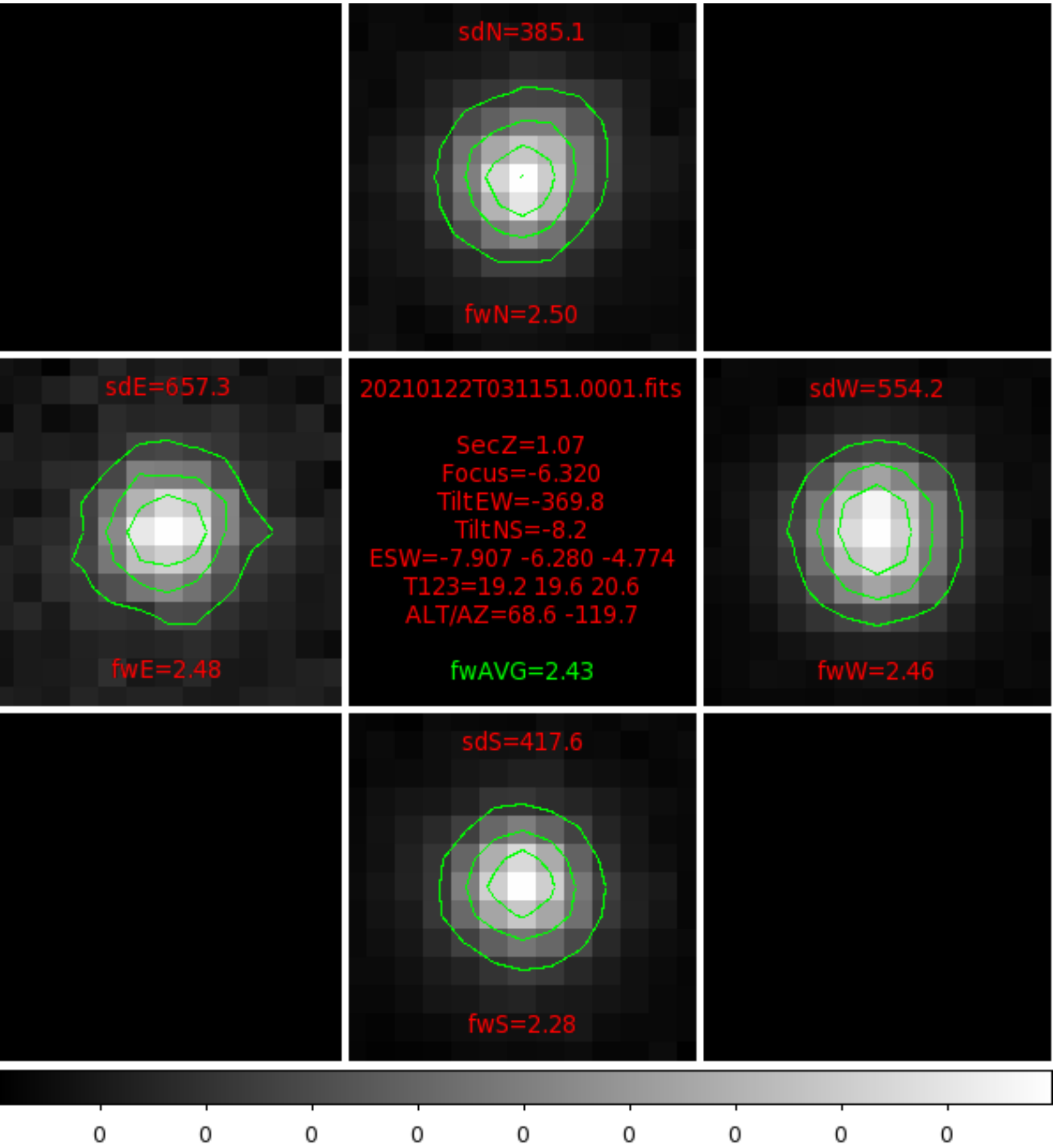
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SecZ=1.07
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.2 19.6 20.6
ALT/AZ=68.6 -119.7
fwAVG=2.43
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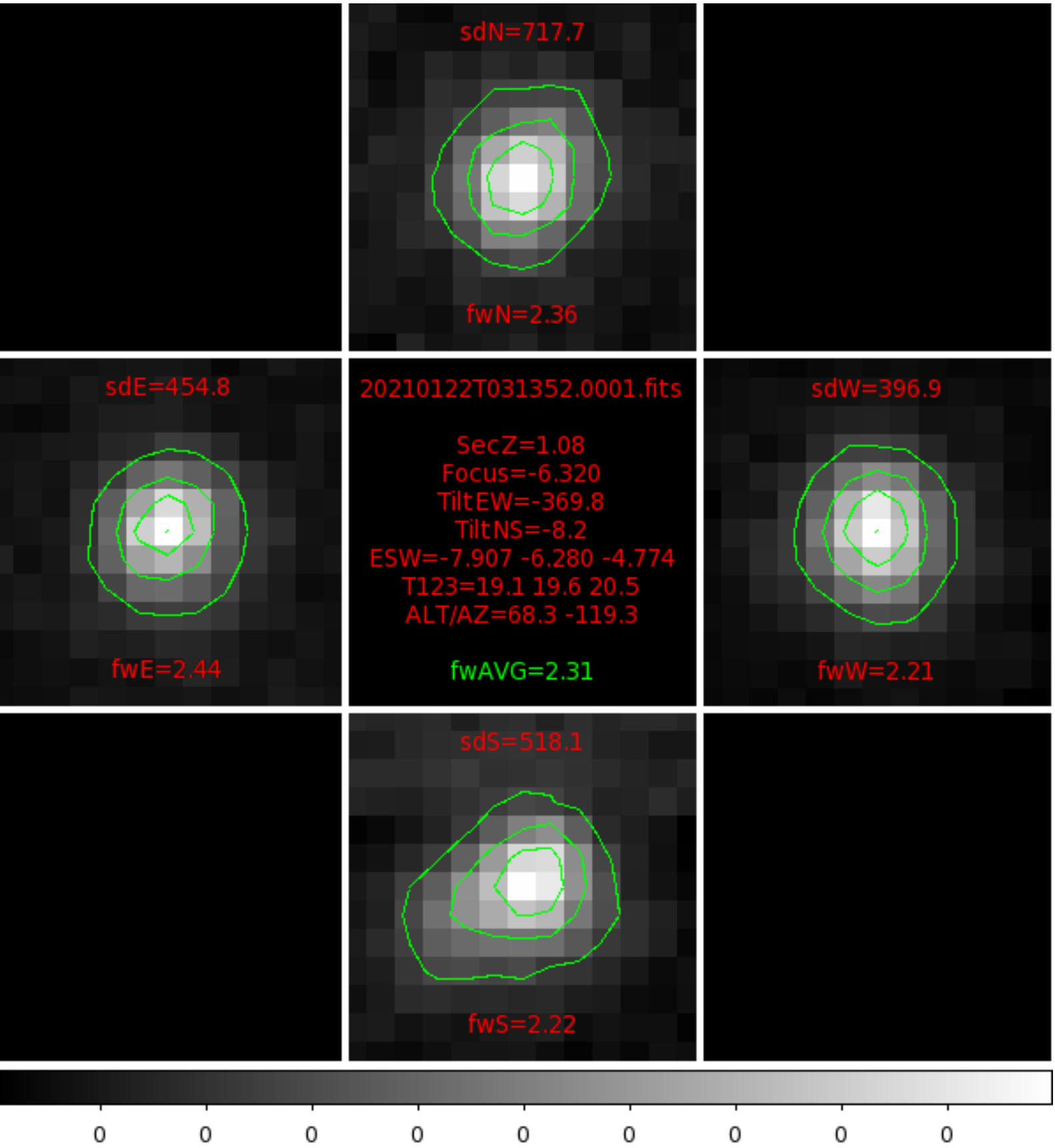
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TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.1 19.6 20.5
ALT/AZ=68.3 -119.3
fwAVG=2.31
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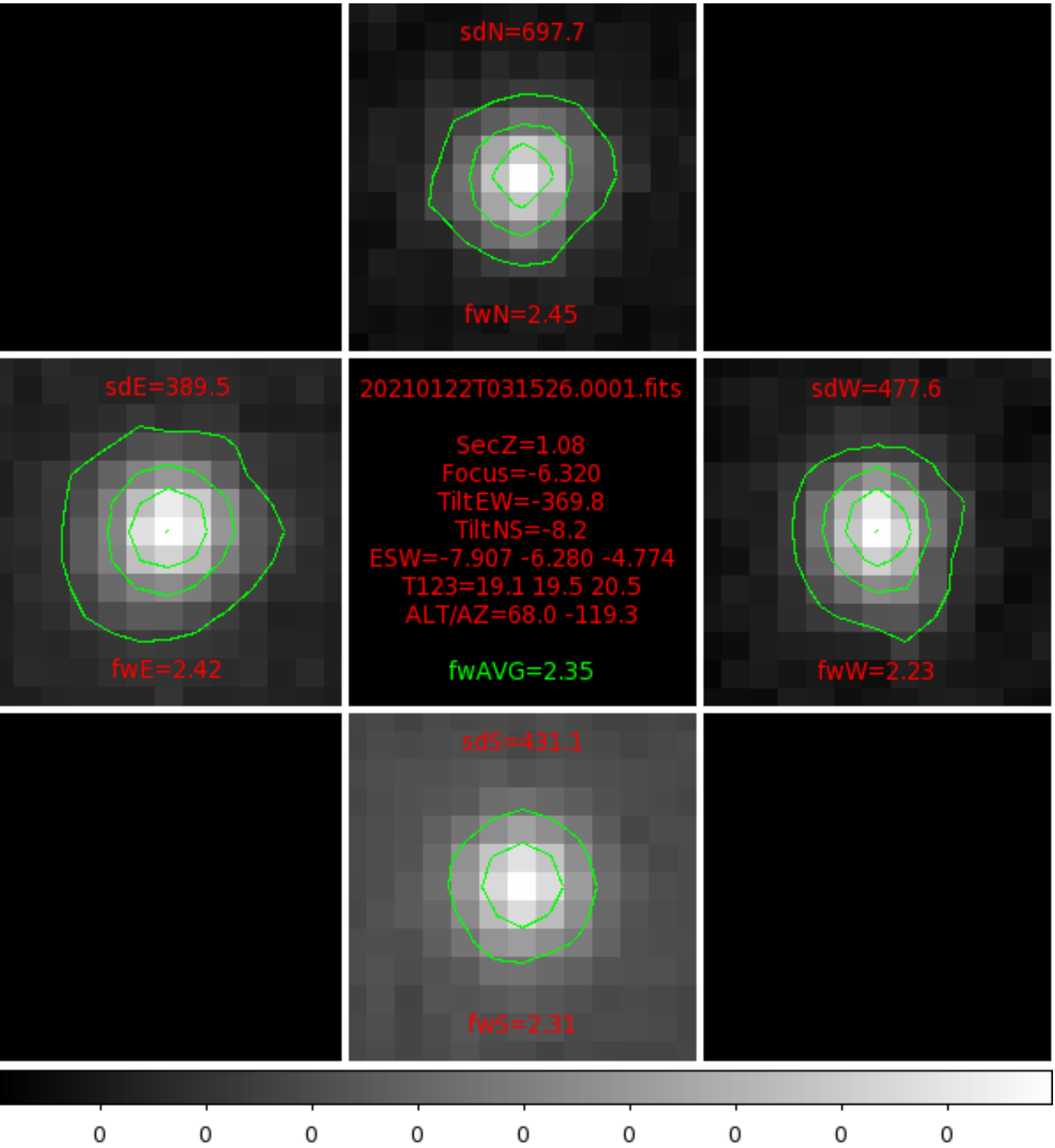
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sdE=389.5
fwE=2.42
20210122T031526.0001.fits
SecZ=1.08
Focus=-6.320
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.1 19.5 20.5
ALT/AZ=68.0 -119.3
fwAVG=2.35
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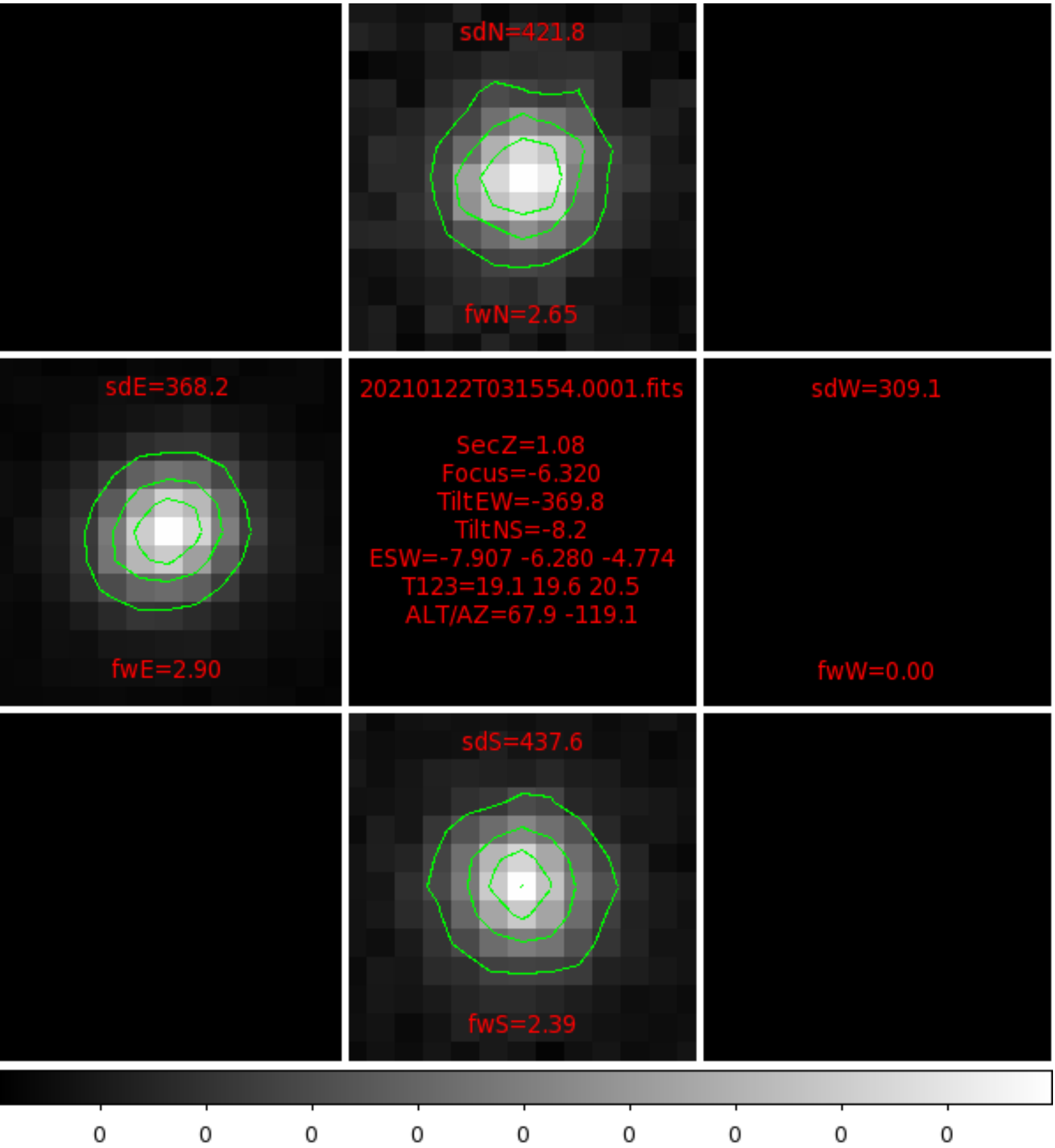
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20210122T031554.0001.fits
SecZ=1.08
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ESW=-7.907 -6.280 -4.774
T123=19.1 19.6 20.5
ALT/AZ=67.9 -119.1
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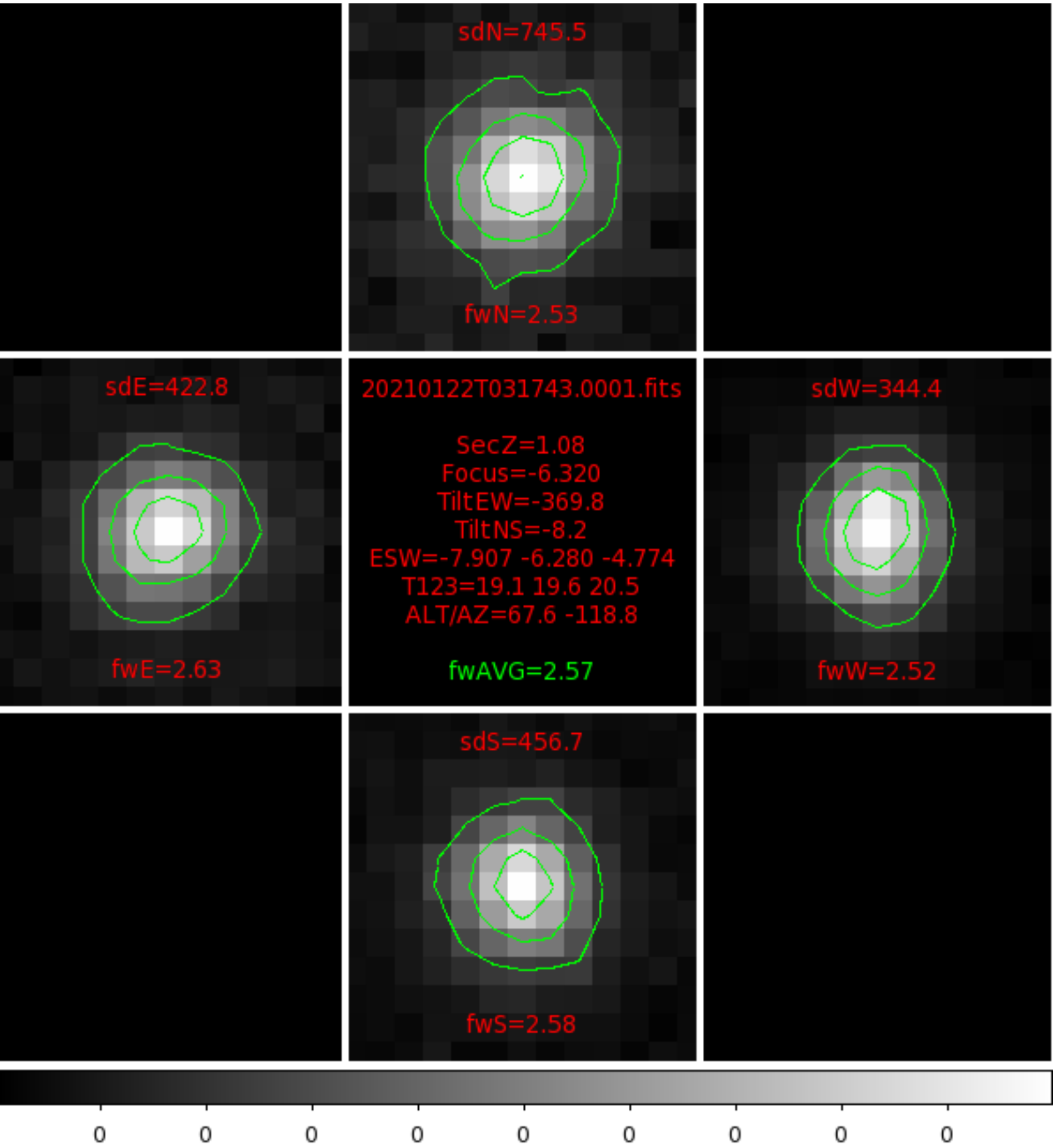
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SecZ=1.08
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.1 19.6 20.5
ALT/AZ=67.6 -118.8
fwAVG=2.57
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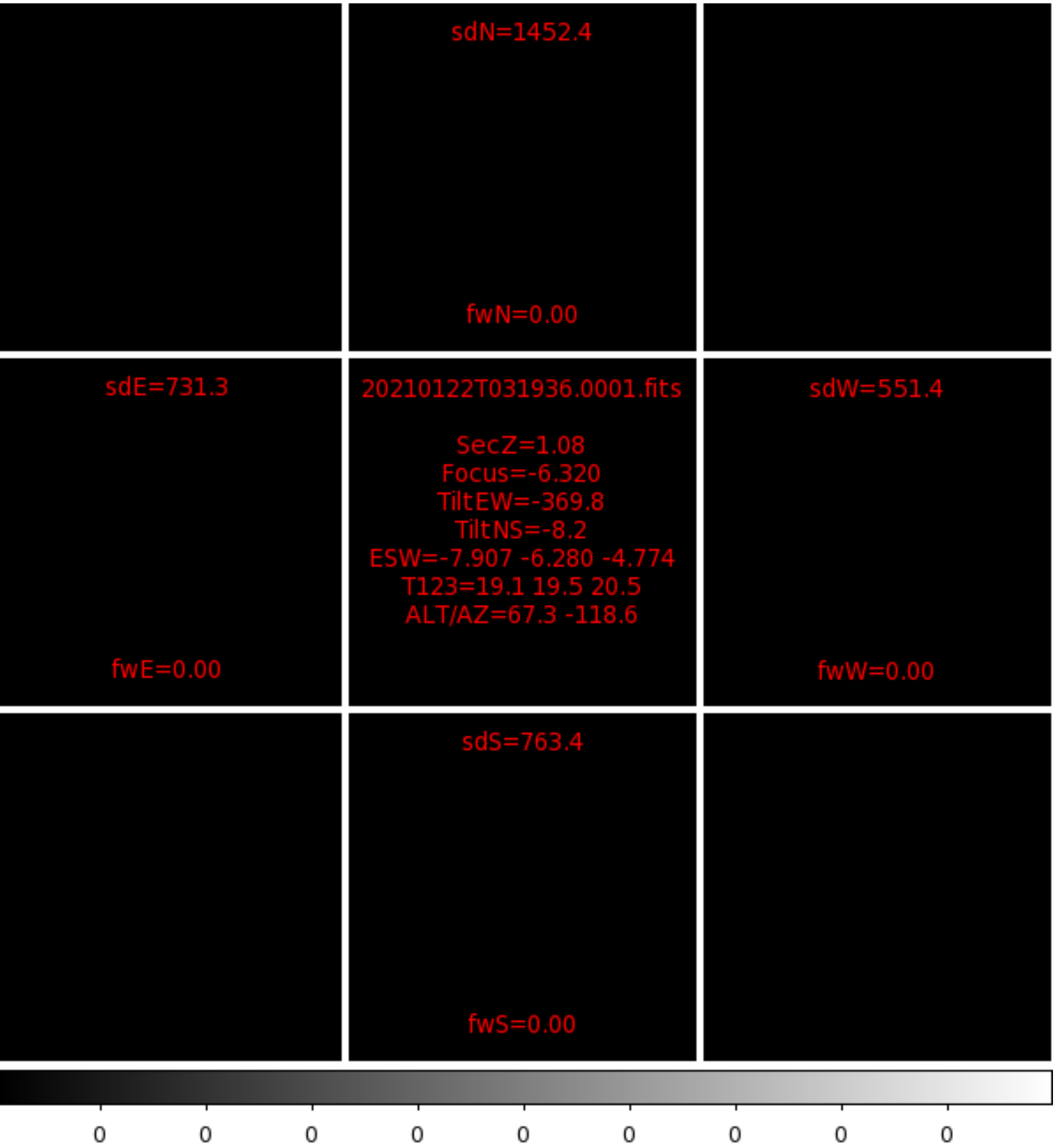
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SecZ=1.08
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TiltNS=-8.2
ESW=-7.907 -6.280 -4.774
T123=19.1 19.5 20.5
ALT/AZ=67.3 -118.6
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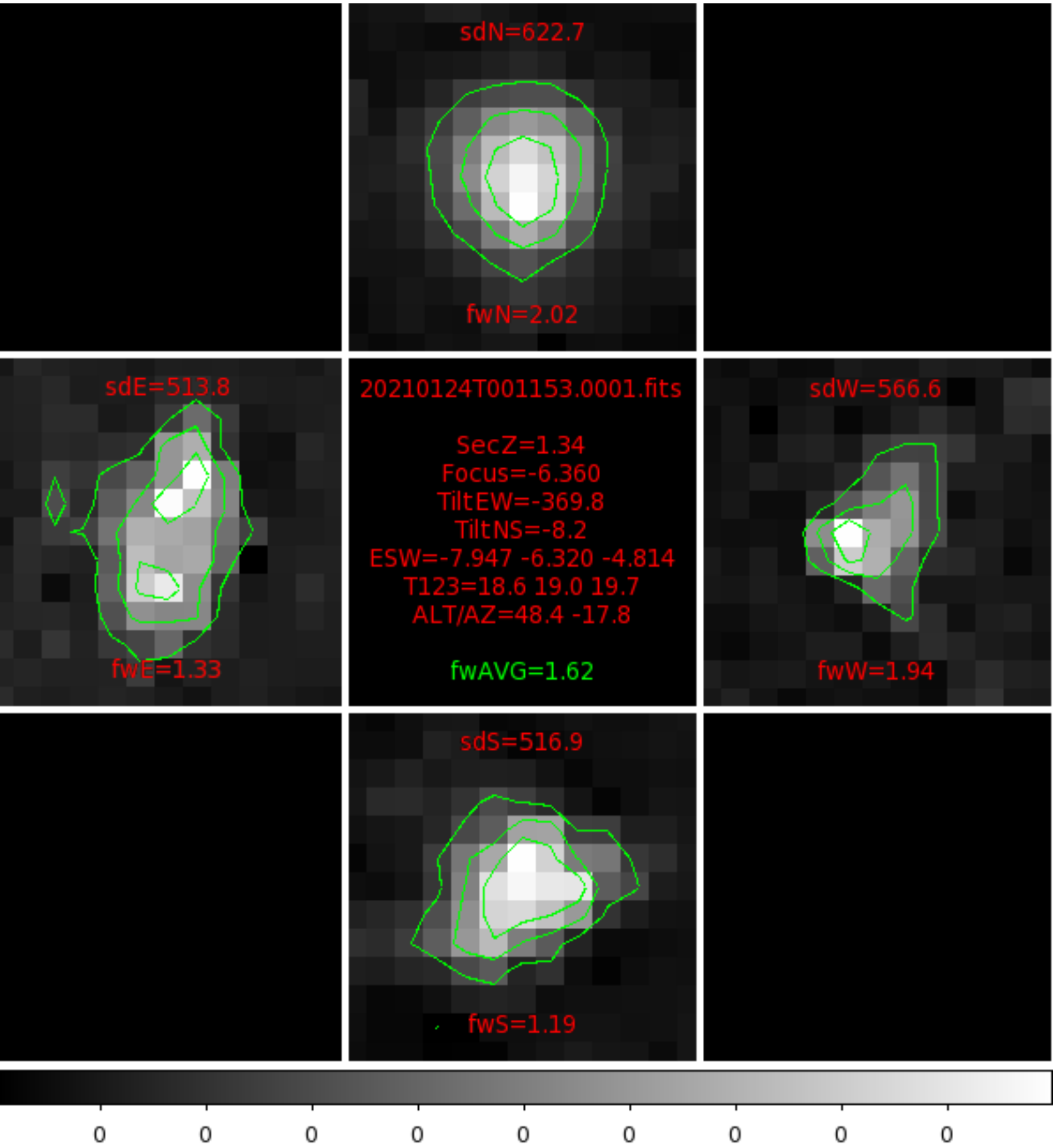
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sdE=513.8
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20210124T001153.0001.fits
SecZ=1.34
Focus=-6.360
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.947 -6.320 -4.814
T123=18.6 19.0 19.7
ALT/AZ=48.4 -17.8
fwAVG=1.62
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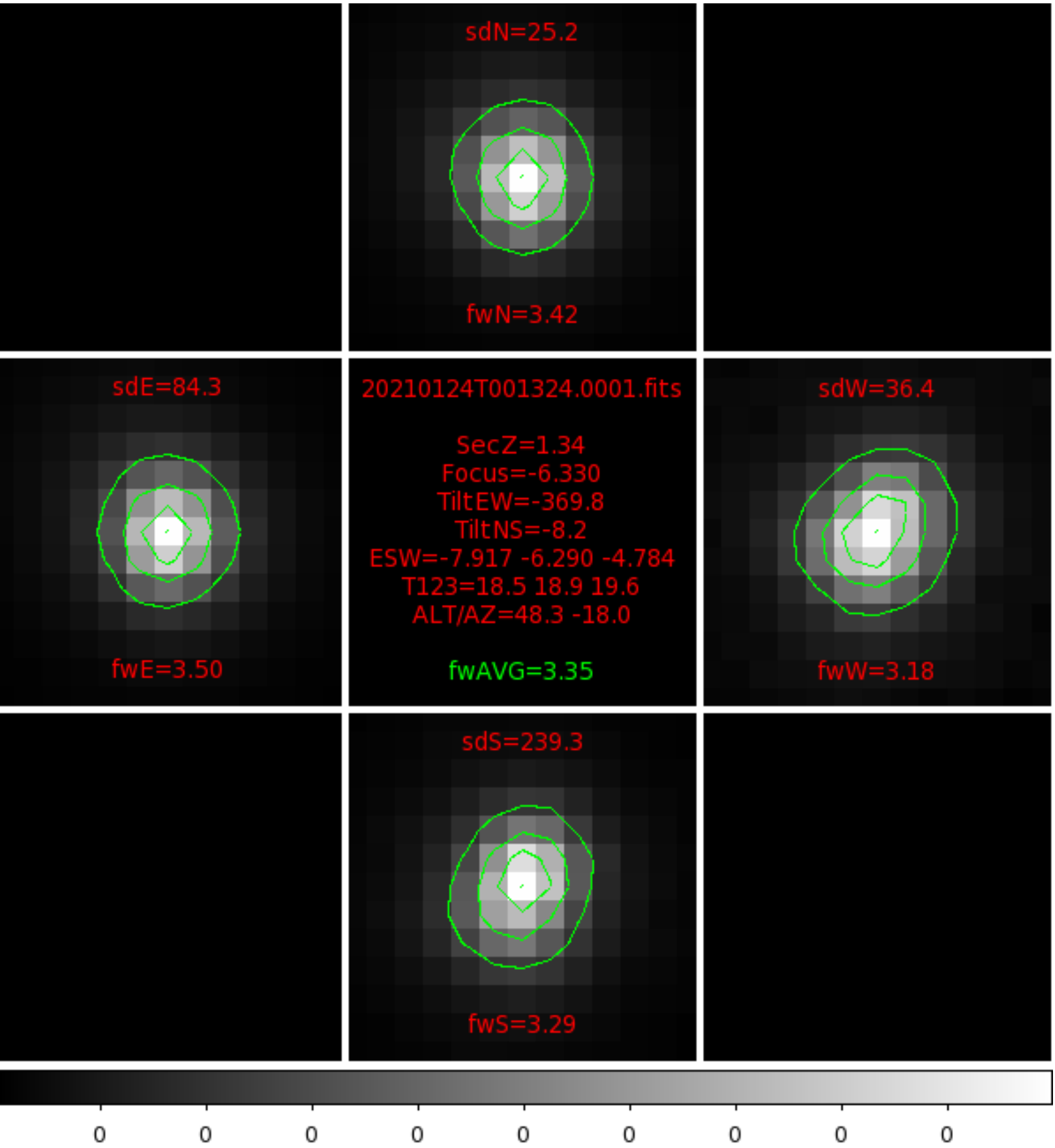
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sdE=84.3
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SecZ=1.34
Focus=-6.330
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.917 -6.290 -4.784
T123=18.5 18.9 19.6
ALT/AZ=48.3 -18.0
fwAVG=3.35
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sdS=239.3
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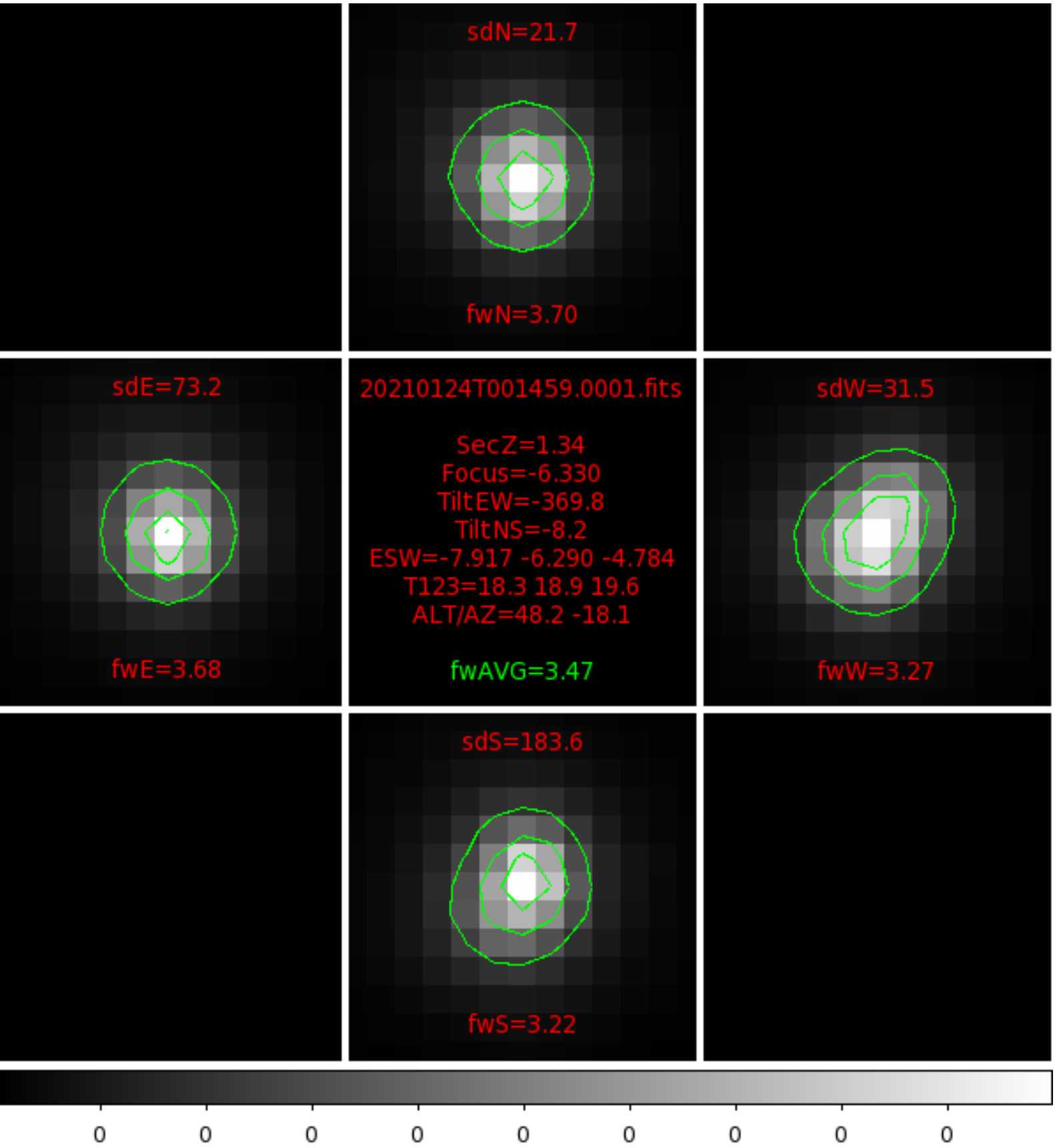
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fwE=3.68
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SecZ=1.34
Focus=-6.330
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.917 -6.290 -4.784
T123=18.3 18.9 19.6
ALT/AZ=48.2 -18.1
fwAVG=3.47
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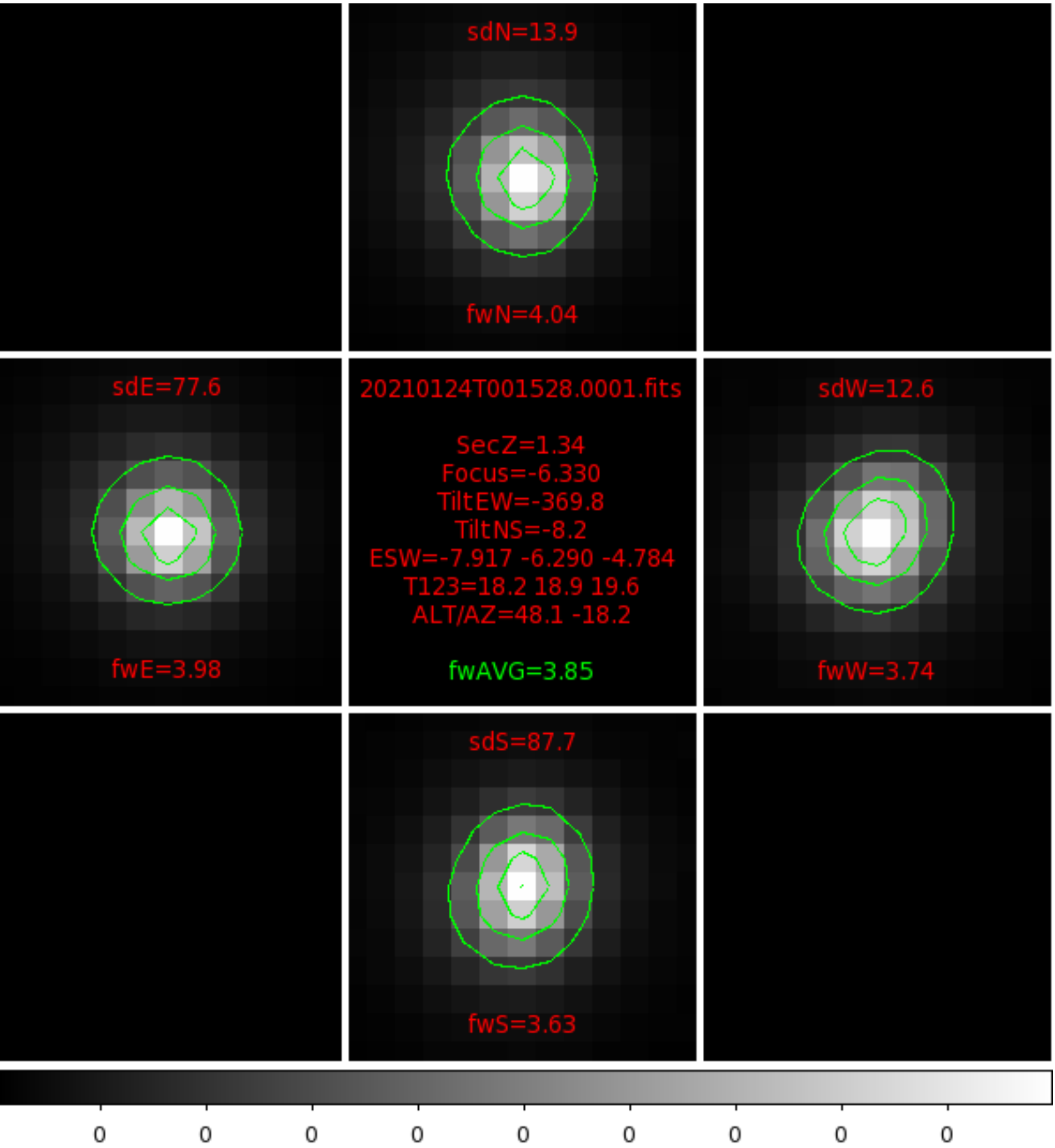
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fwE=3.98
20210124T001528.0001.fits
SecZ=1.34
Focus=-6.330
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.917 -6.290 -4.784
T123=18.2 18.9 19.6
ALT/AZ=48.1 -18.2
fwAVG=3.85
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sdS=87.7
fwS=3.63
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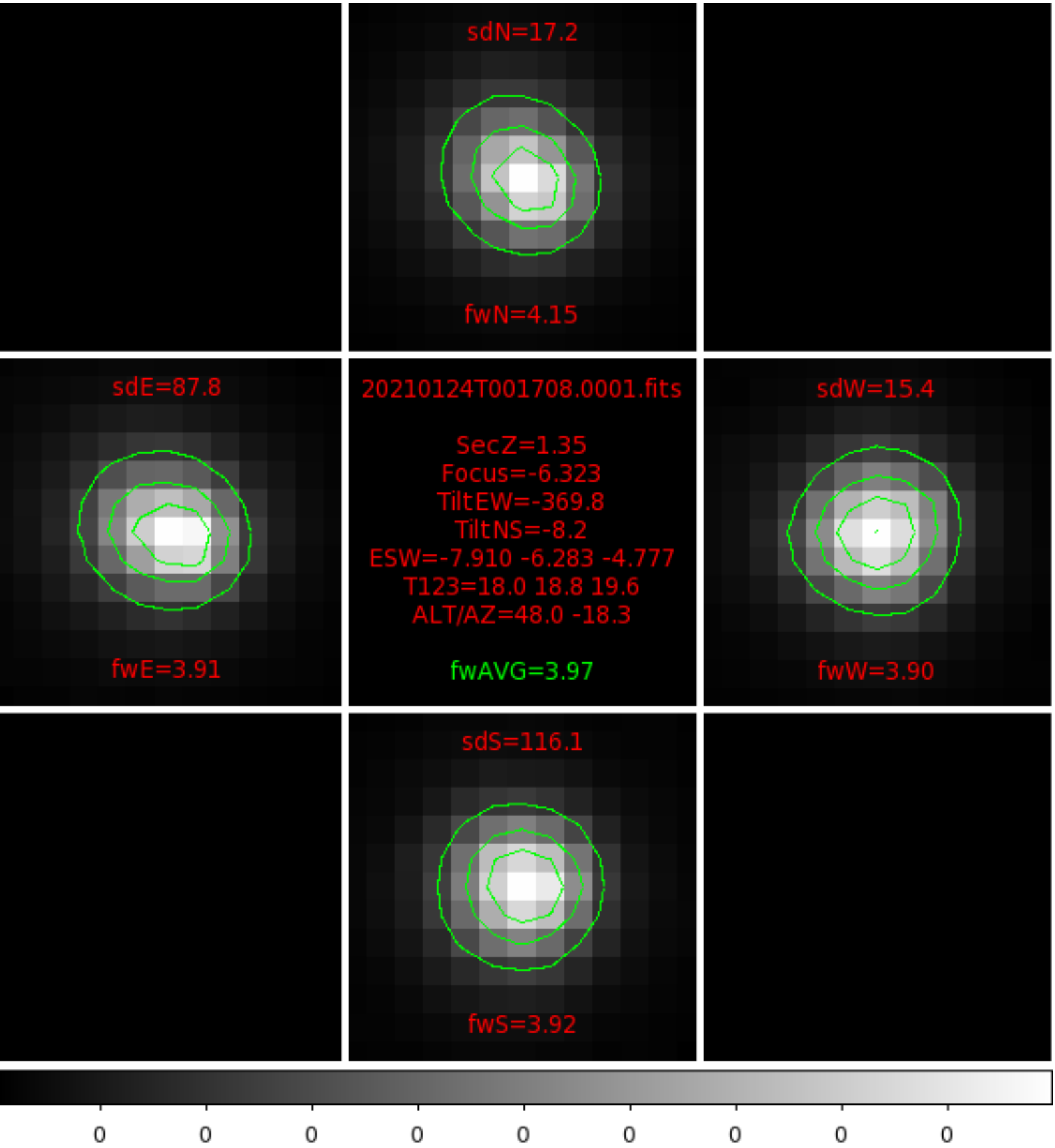
sdN=17.2
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SecZ=1.35
Focus=-6.323
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.910 -6.283 -4.777
T123=18.0 18.8 19.6
ALT/AZ=48.0 -18.3
fwAVG=3.97
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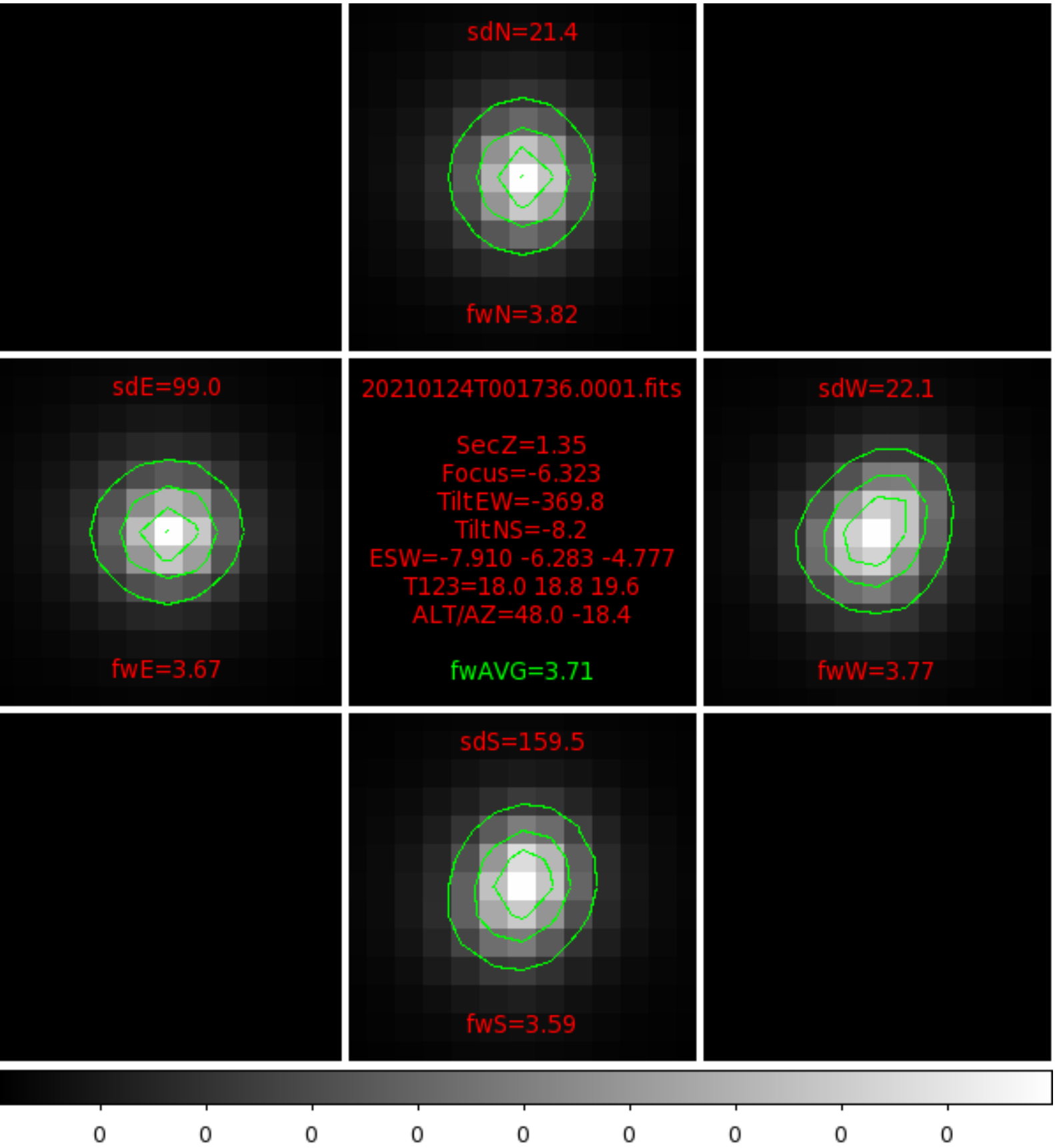
sdN=21.4
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SecZ=1.35
Focus=-6.323
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.910 -6.283 -4.777
T123=18.0 18.8 19.6
ALT/AZ=48.0 -18.4
fwAVG=3.71
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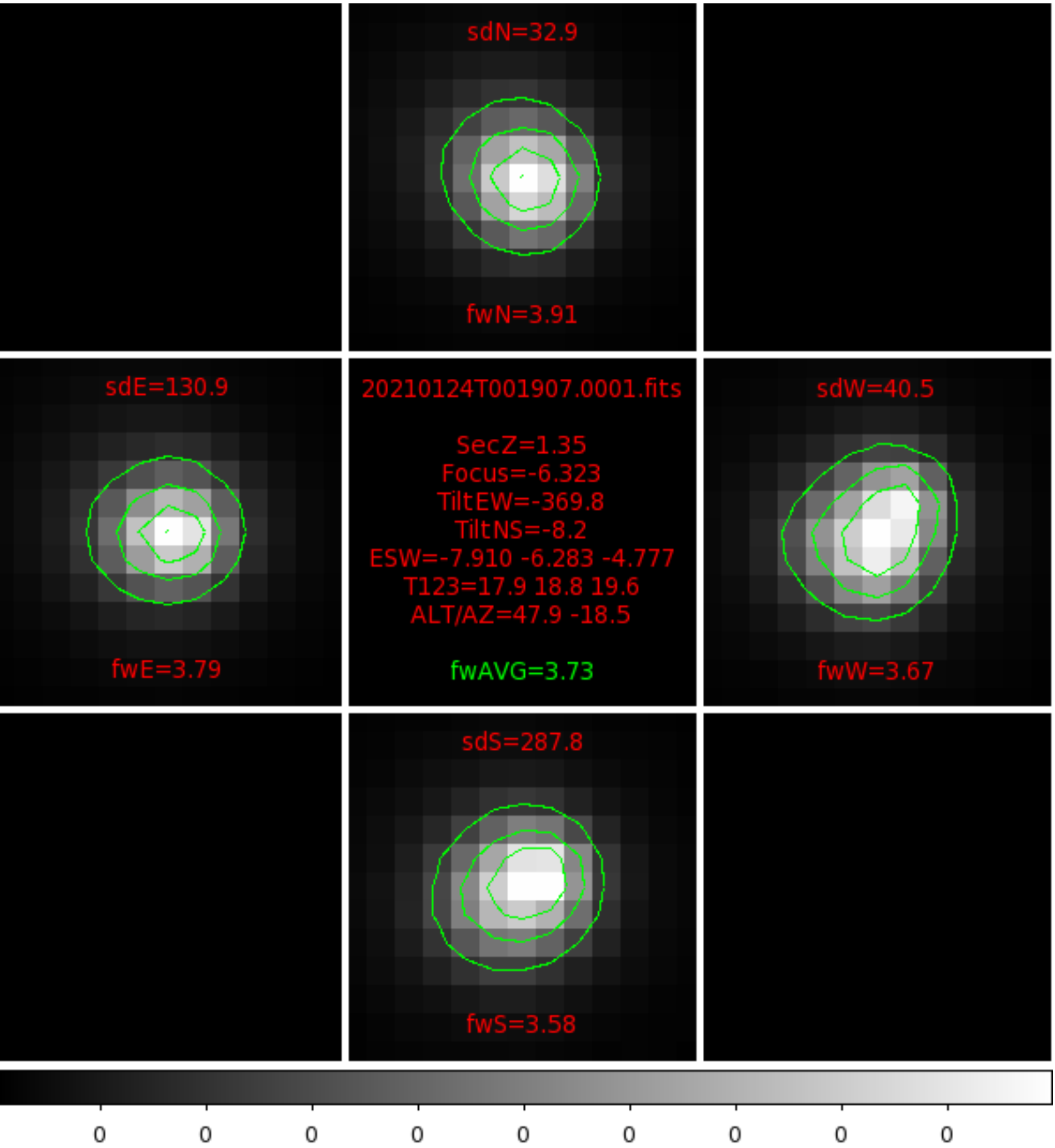
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sdE=130.9
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20210124T001907.0001.fits
SecZ=1.35
Focus=-6.323
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.910 -6.283 -4.777
T123=17.9 18.8 19.6
ALT/AZ=47.9 -18.5
fwAVG=3.73
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sdS=287.8
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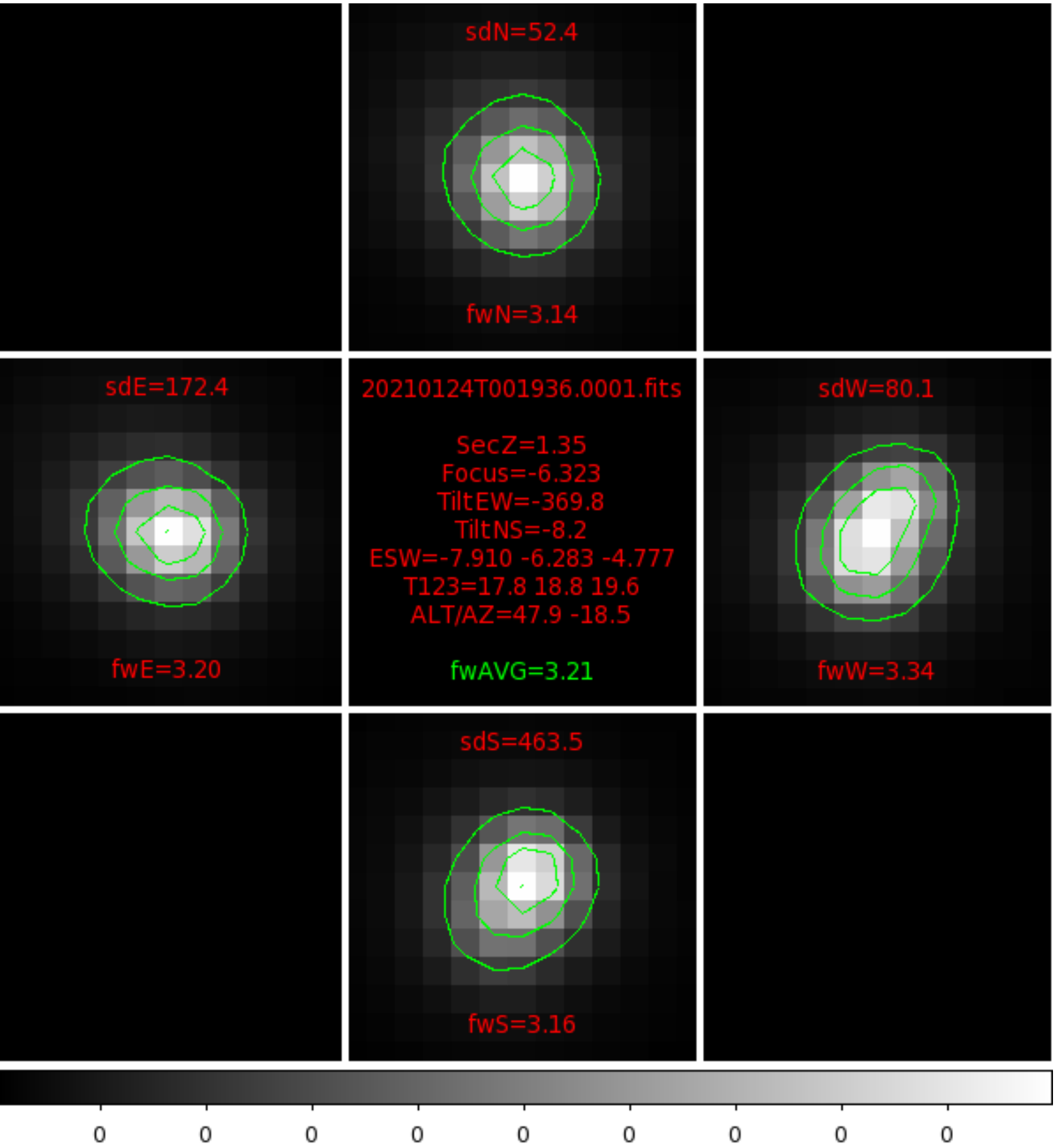
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SecZ=1.35
Focus=-6.323
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.910 -6.283 -4.777
T123=17.8 18.8 19.6
ALT/AZ=47.9 -18.5
fwAVG=3.21
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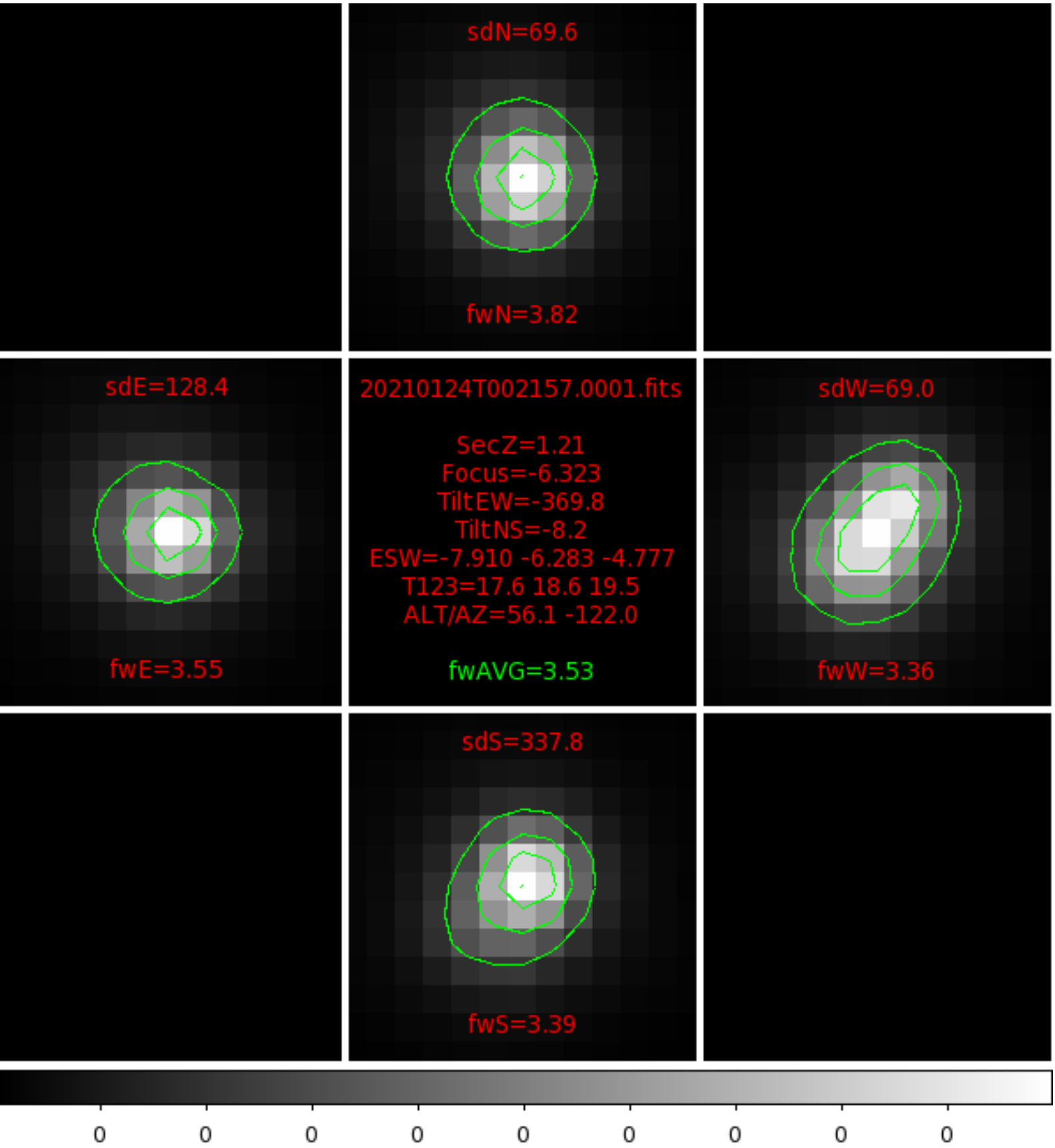
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sdE=128.4
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SecZ=1.21
Focus=-6.323
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.910 -6.283 -4.777
T123=17.6 18.6 19.5
ALT/AZ=56.1 -122.0
fwAVG=3.53
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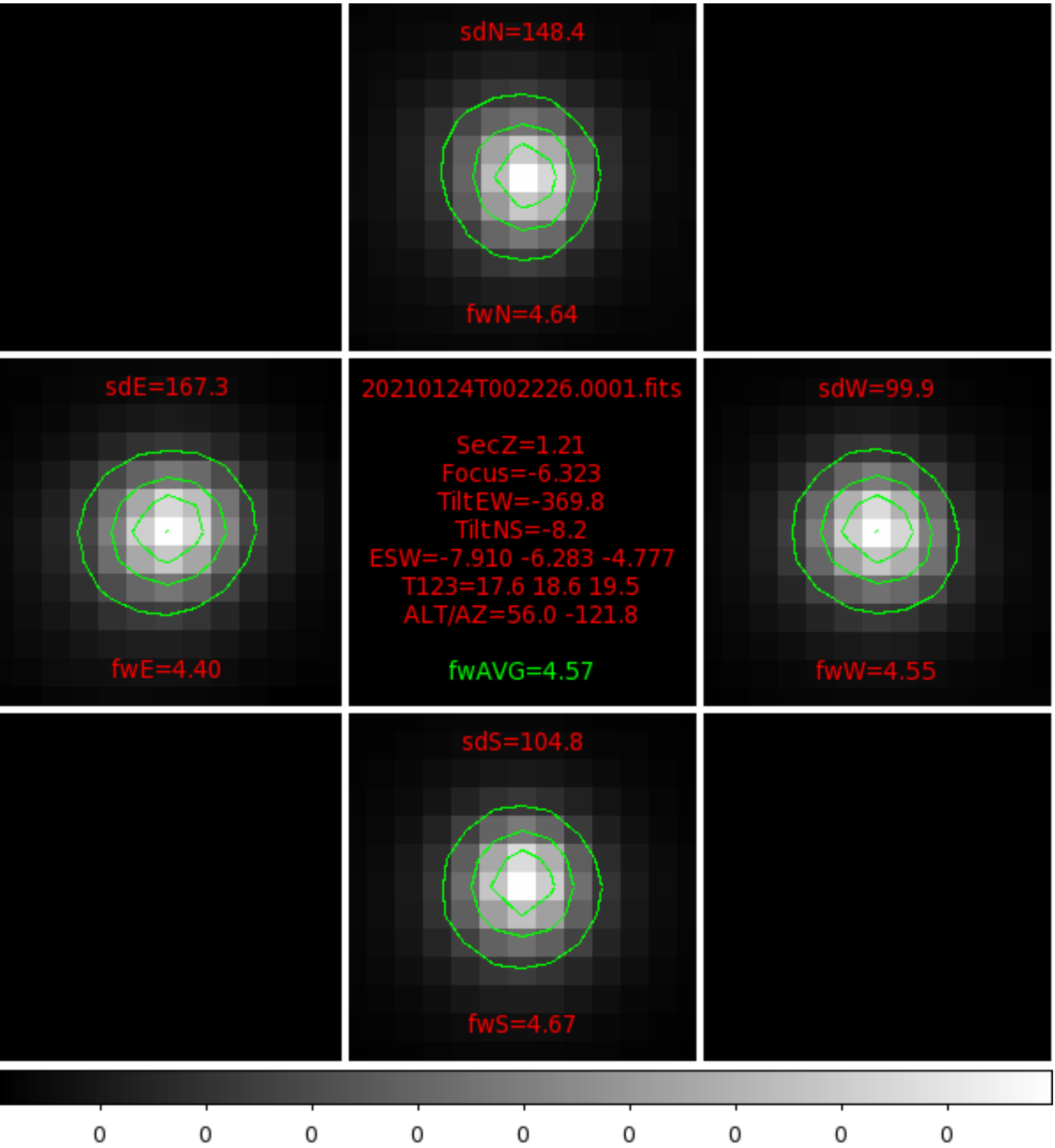
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SecZ=1.21
Focus=-6.323
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.910 -6.283 -4.777
T123=17.6 18.6 19.5
ALT/AZ=56.0 -121.8
fwAVG=4.57
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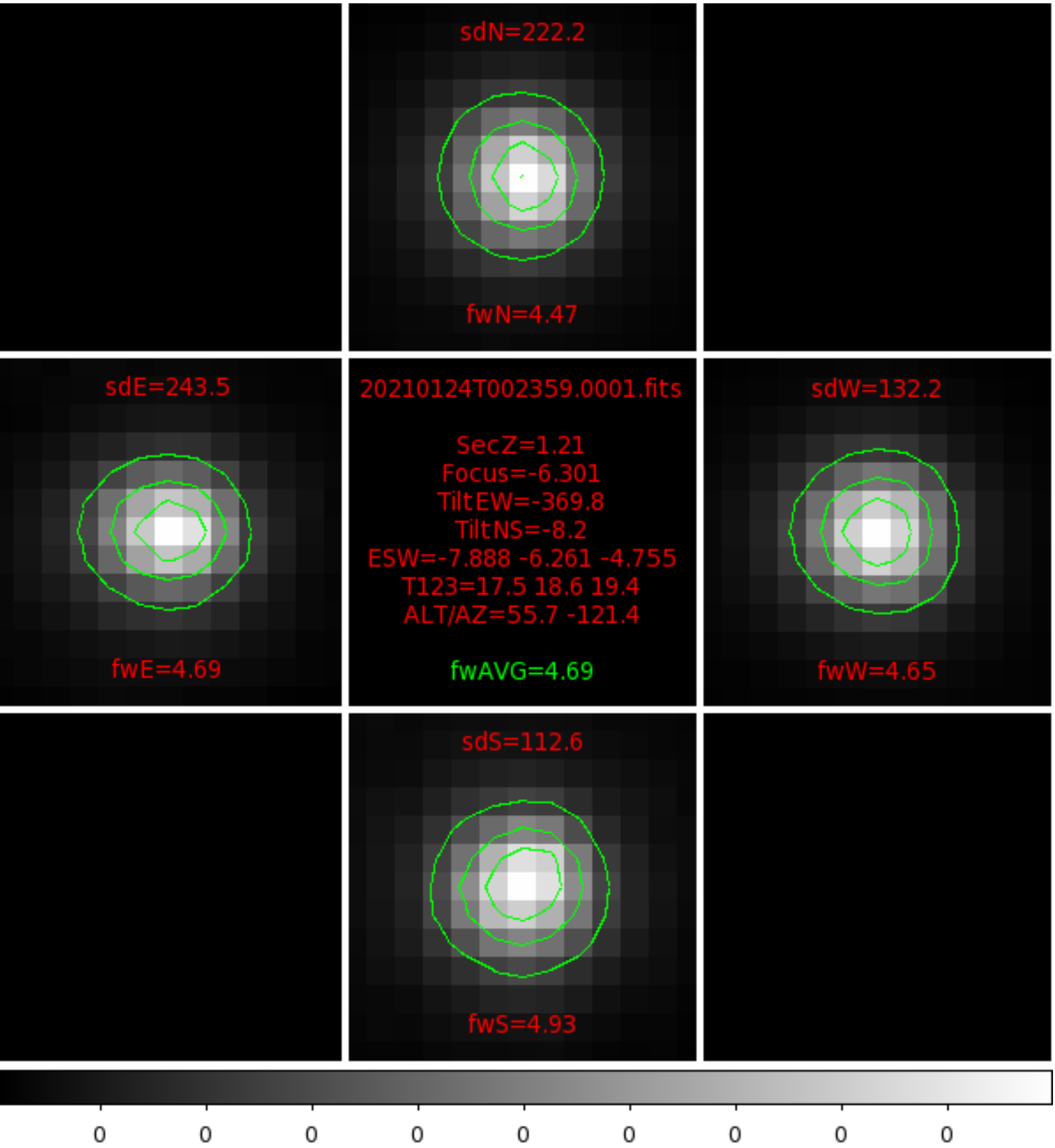
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.888 -6.261 -4.755
T123=17.5 18.6 19.4
ALT/AZ=55.7 -121.4
fwAVG=4.69
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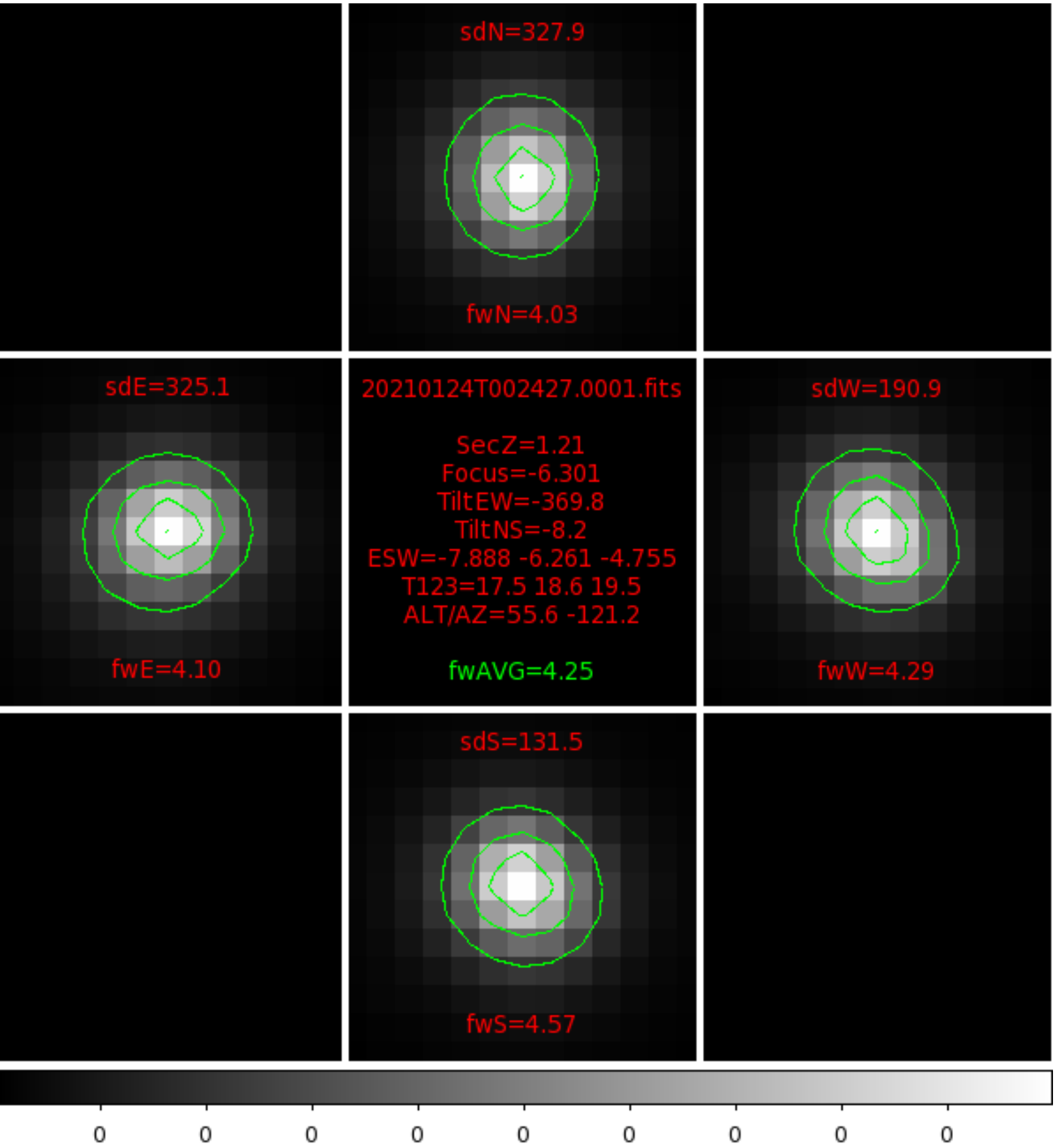
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SecZ=1.21
Focus=-6.301
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.888 -6.261 -4.755
T123=17.5 18.6 19.5
ALT/AZ=55.6 -121.2
fwAVG=4.25
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sdS=131.5
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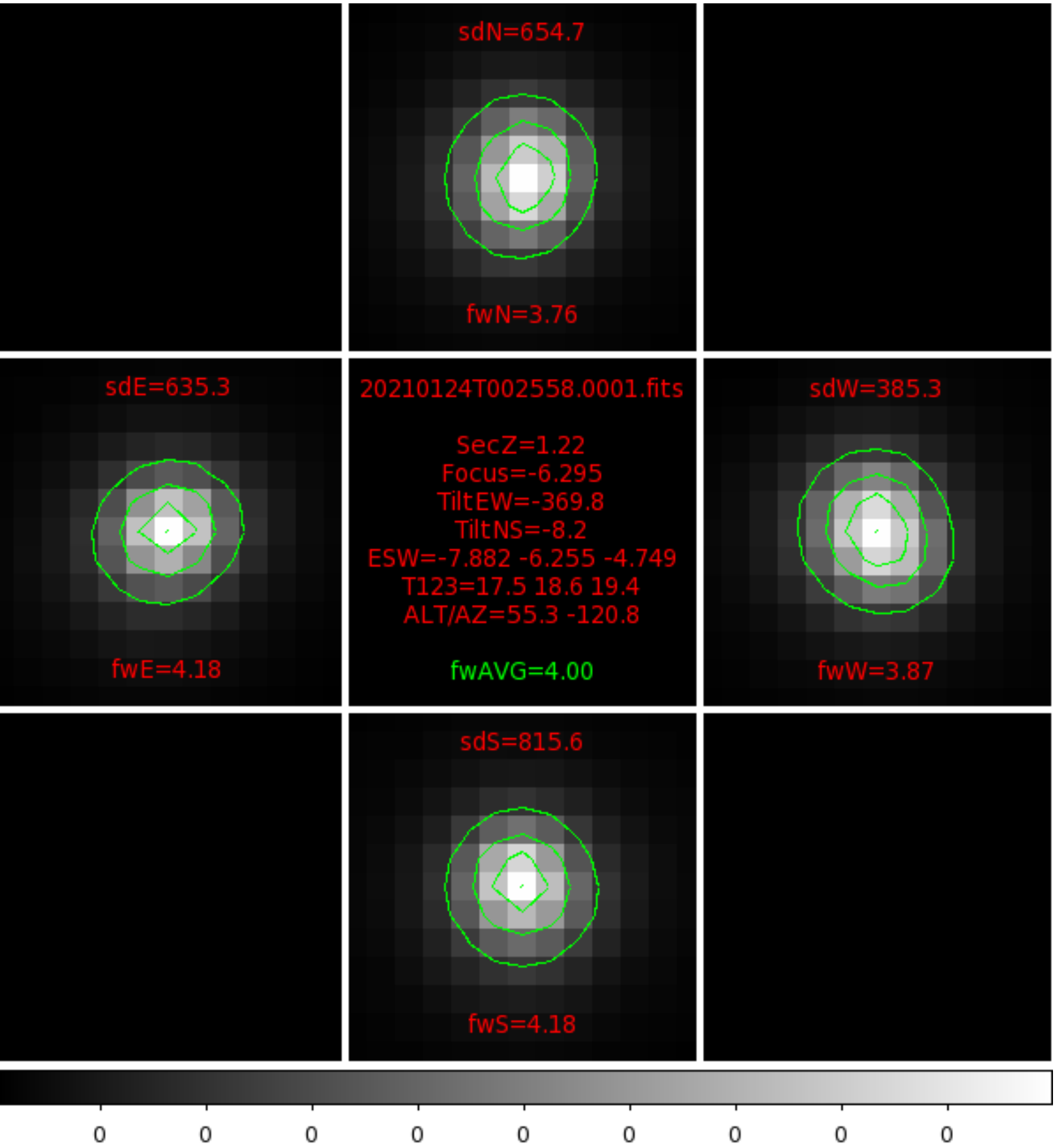
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SecZ=1.22
Focus=-6.295
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.882 -6.255 -4.749
T123=17.5 18.6 19.4
ALT/AZ=55.3 -120.8
fwAVG=4.00
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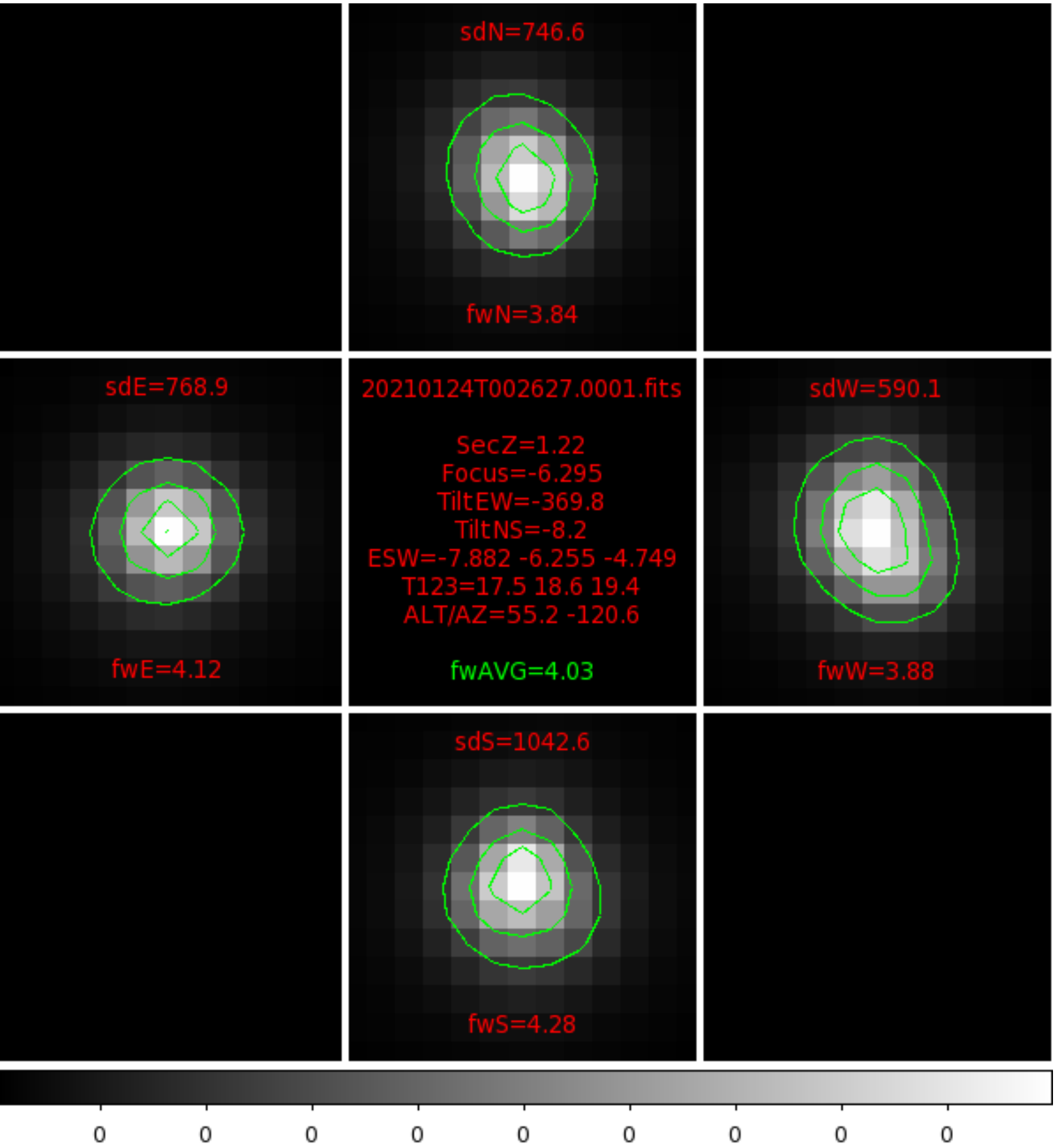
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SecZ=1.22
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TiltNS=-8.2
ESW=-7.882 -6.255 -4.749
T123=17.5 18.6 19.4
ALT/AZ=55.2 -120.6
fwAVG=4.03
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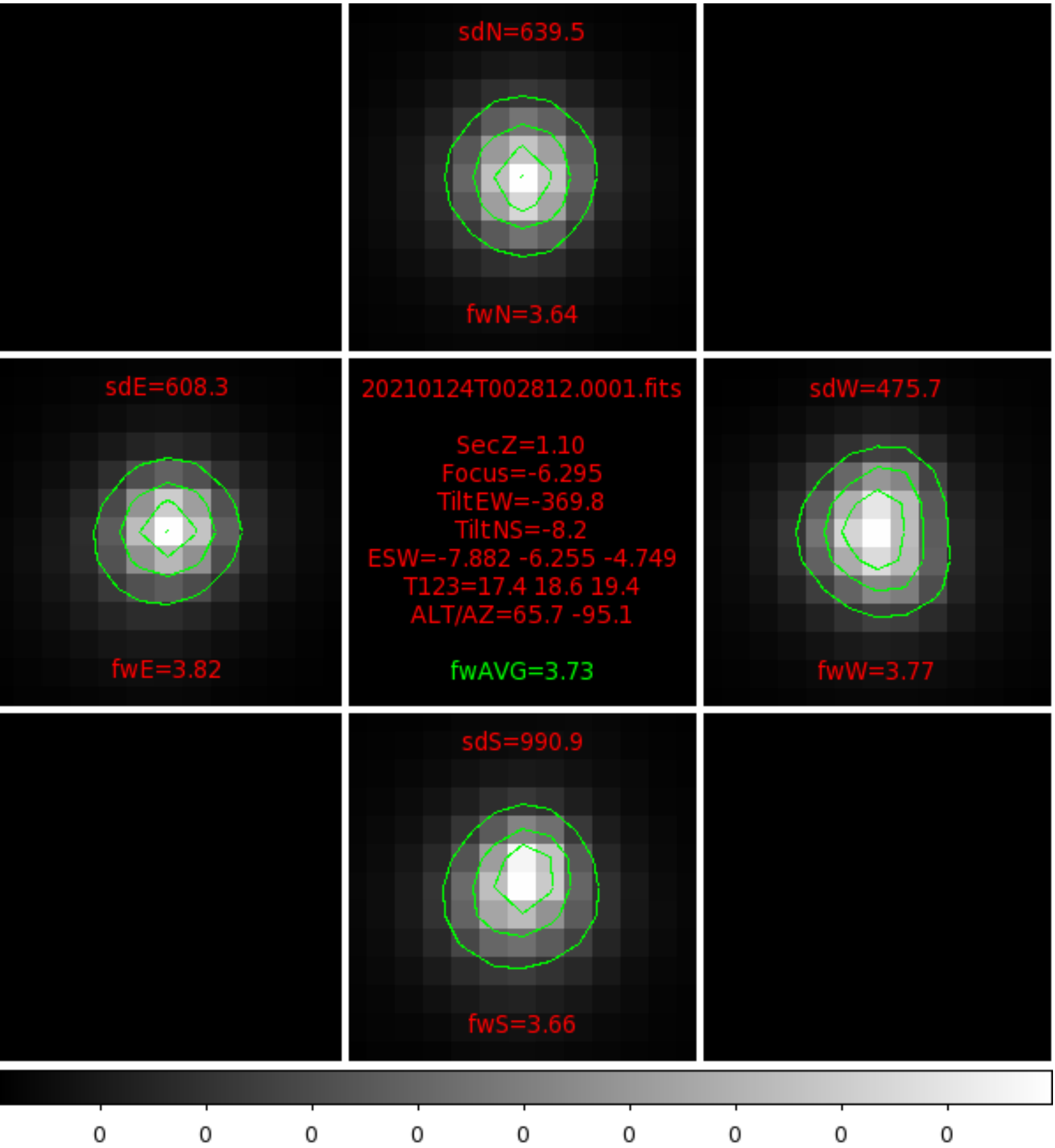
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Focus=-6.295
TiltEW=-369.8
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ESW=-7.882 -6.255 -4.749
T123=17.4 18.6 19.4
ALT/AZ=65.7 -95.1
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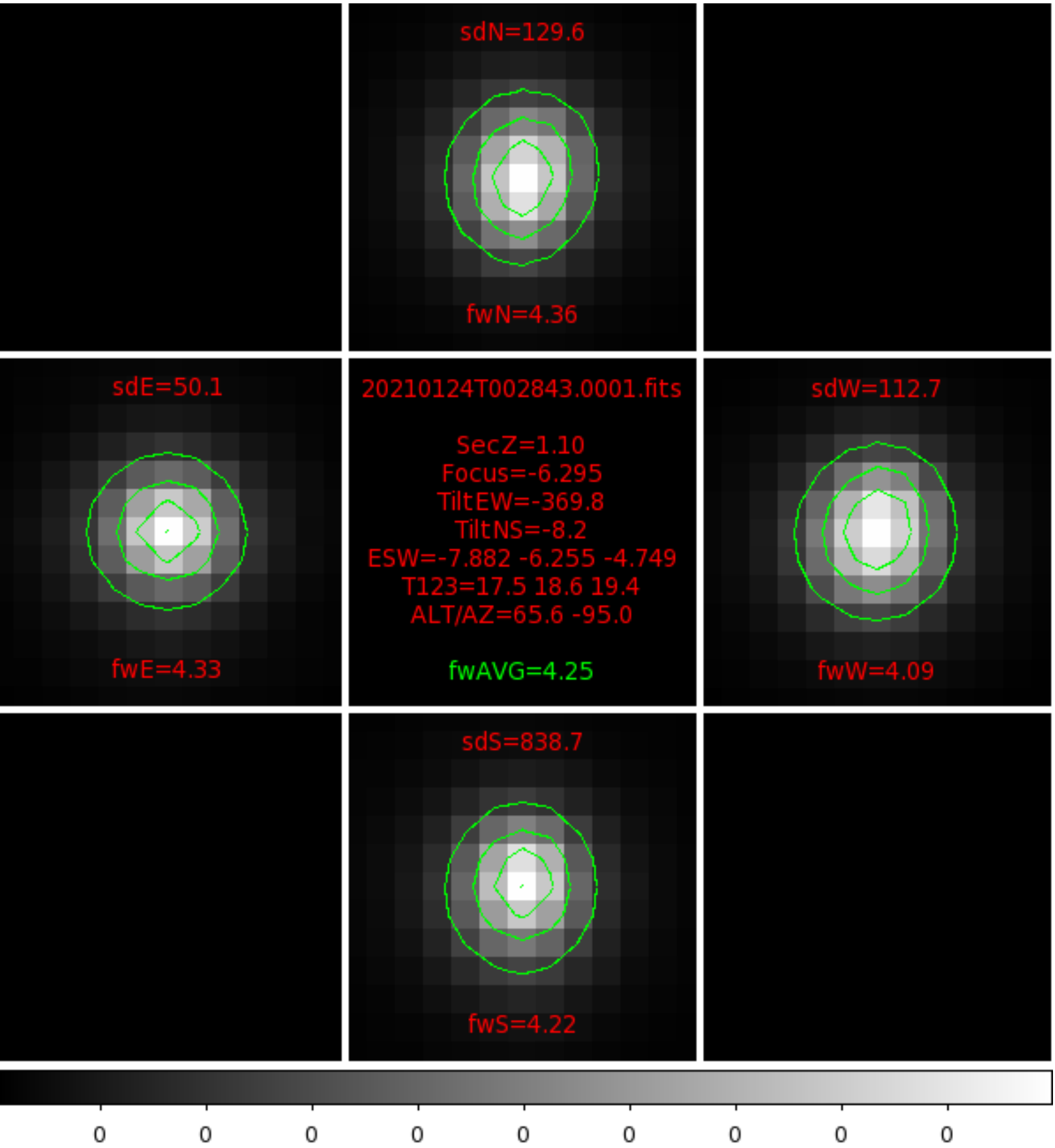
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Focus=-6.295
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TiltNS=-8.2
ESW=-7.882 -6.255 -4.749
T123=17.5 18.6 19.4
ALT/AZ=65.6 -95.0
fwAVG=4.25
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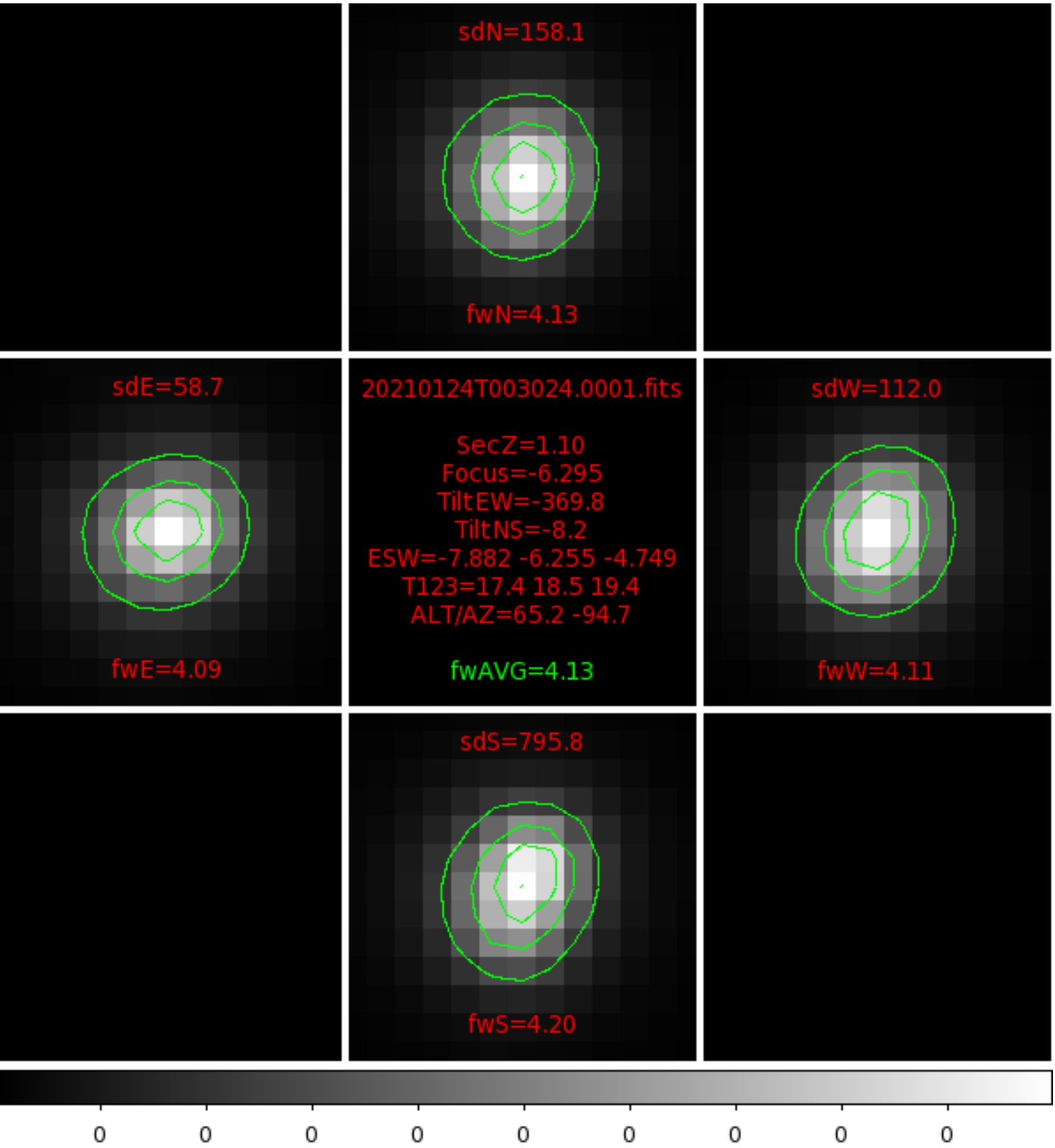
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SecZ=1.10
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TiltNS=-8.2
ESW=-7.882 -6.255 -4.749
T123=17.4 18.5 19.4
ALT/AZ=65.2 -94.7
fwAVG=4.13
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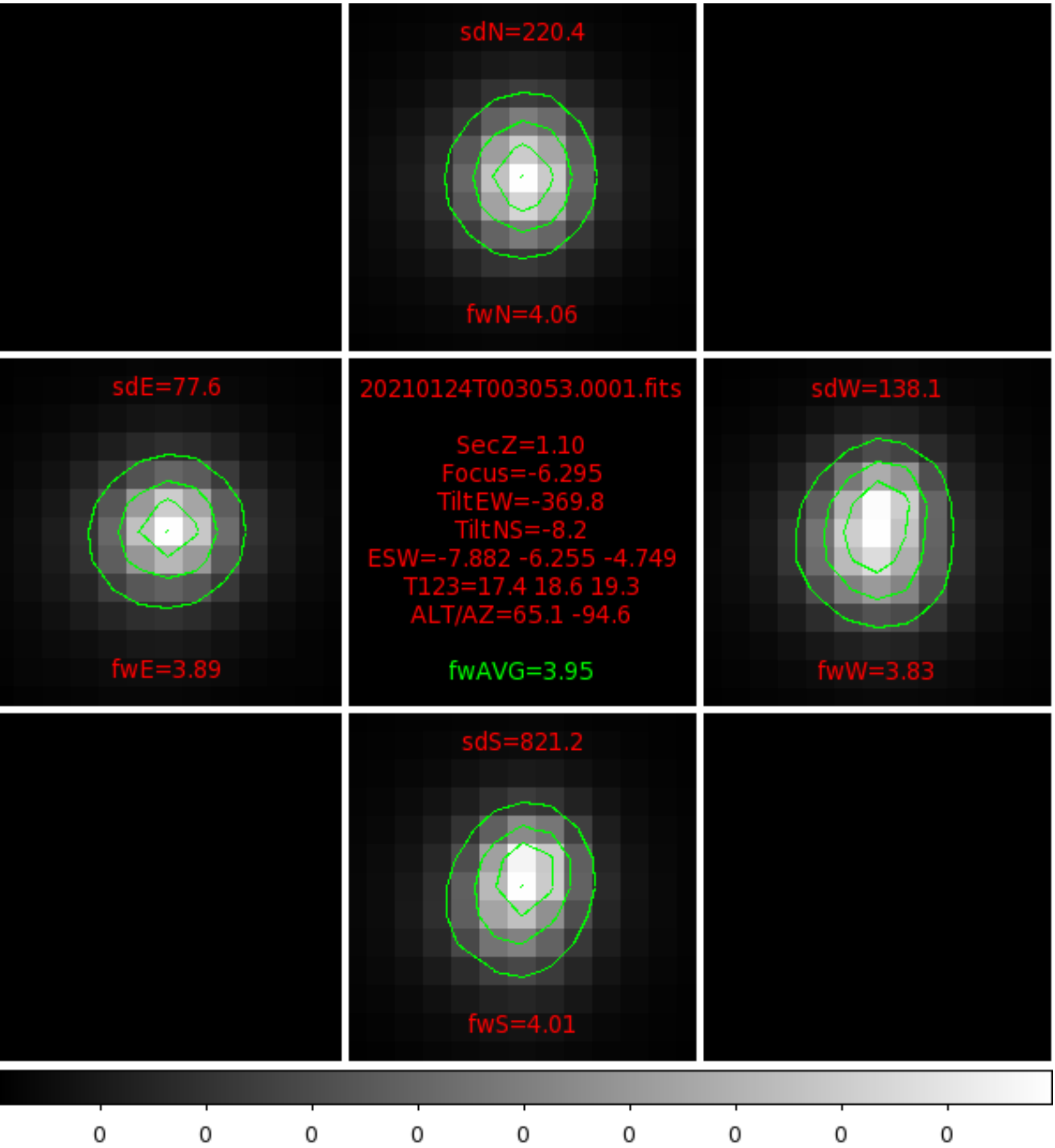
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SecZ=1.10
Focus=-6.295
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.882 -6.255 -4.749
T123=17.4 18.6 19.3
ALT/AZ=65.1 -94.6
fwAVG=3.95
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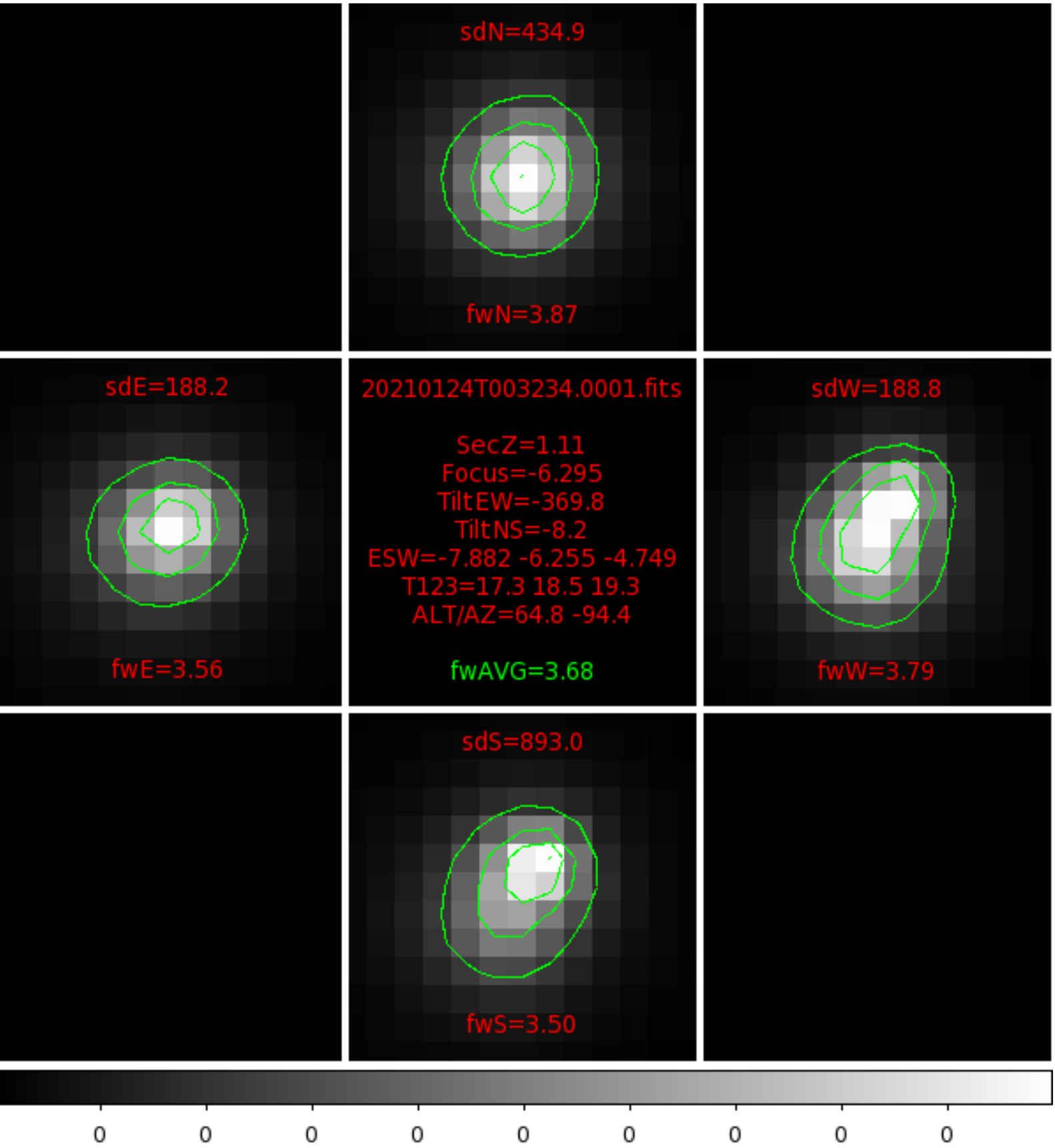
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SecZ=1.11
Focus=-6.295
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.882 -6.255 -4.749
T123=17.3 18.5 19.3
ALT/AZ=64.8 -94.4
fwAVG=3.68
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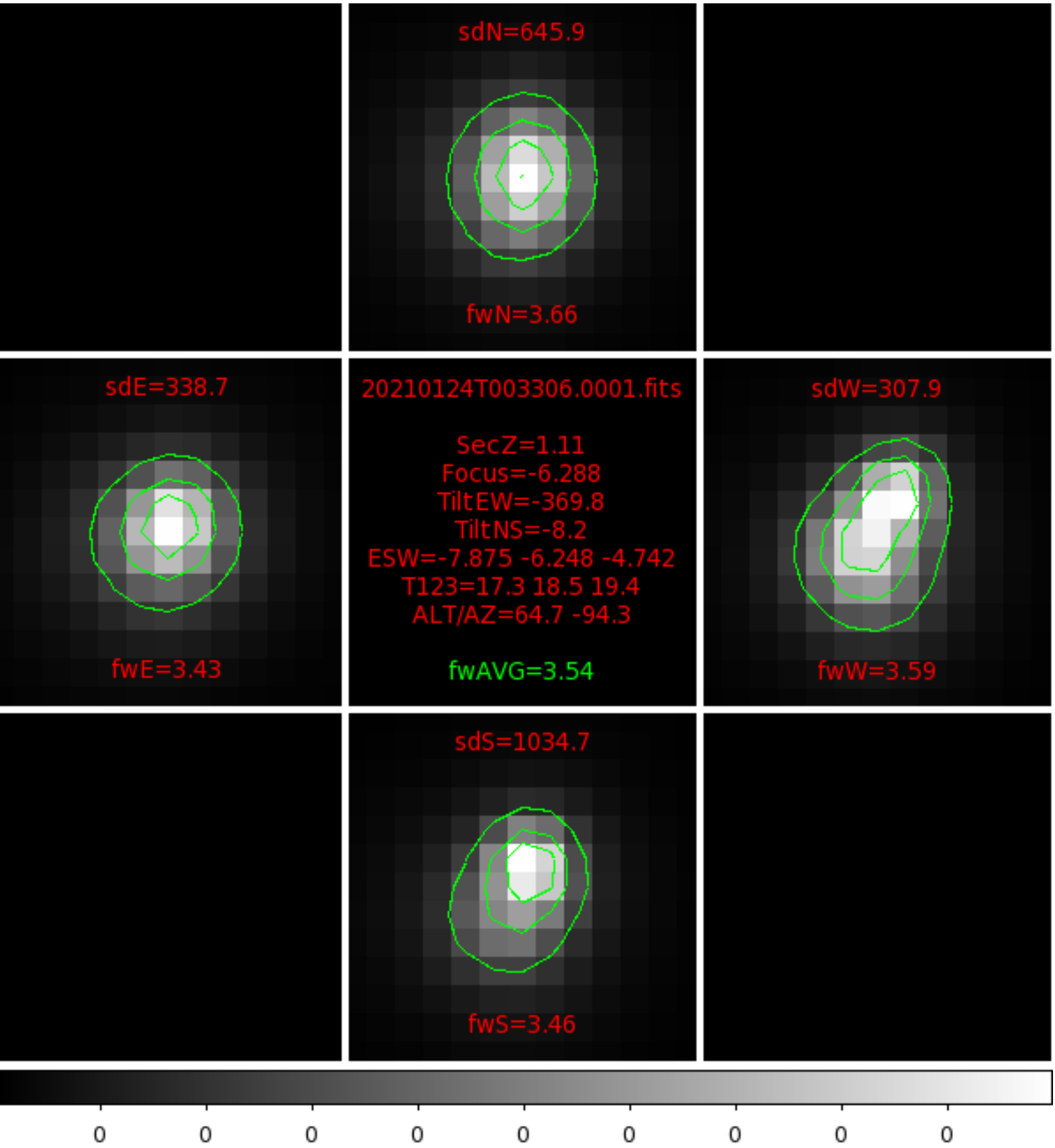
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SecZ=1.11
Focus=-6.288
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.875 -6.248 -4.742
T123=17.3 18.5 19.4
ALT/AZ=64.7 -94.3
fwAVG=3.54
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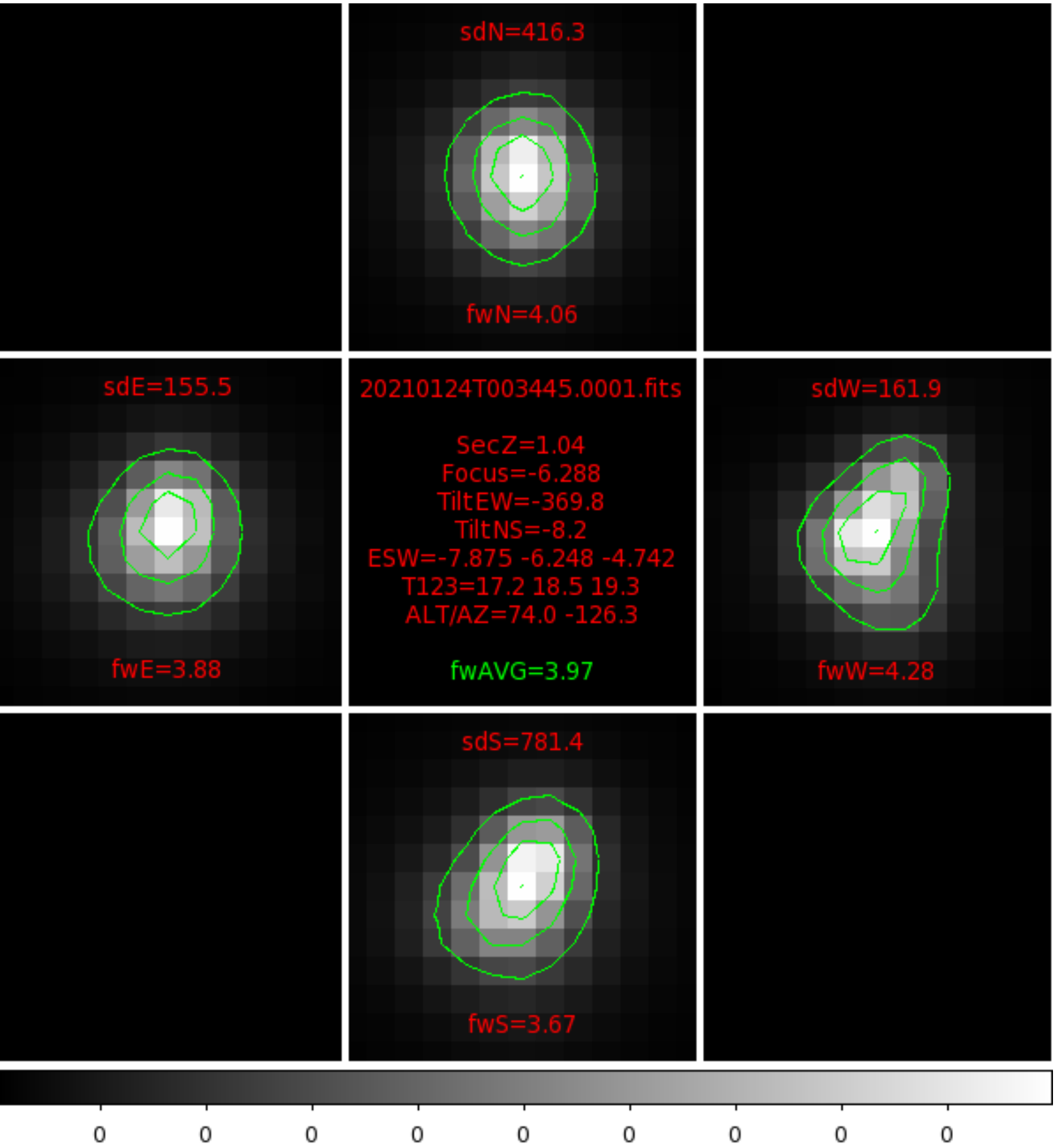
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SecZ=1.04
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TiltNS=-8.2
ESW=-7.875 -6.248 -4.742
T123=17.2 18.5 19.3
ALT/AZ=74.0 -126.3
fwAVG=3.97
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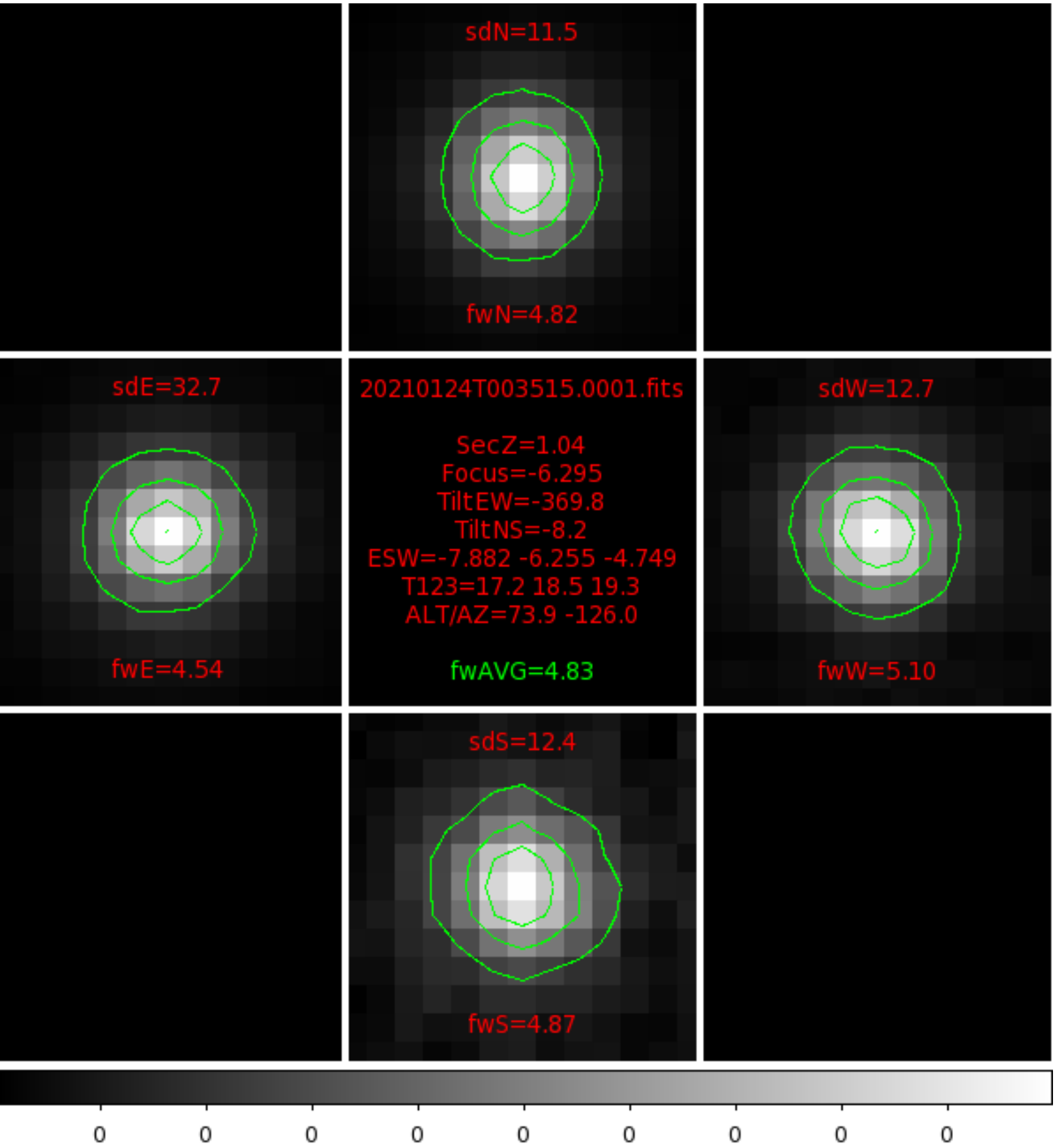
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SecZ=1.04
Focus=-6.295
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.882 -6.255 -4.749
T123=17.2 18.5 19.3
ALT/AZ=73.9 -126.0
fwAVG=4.83
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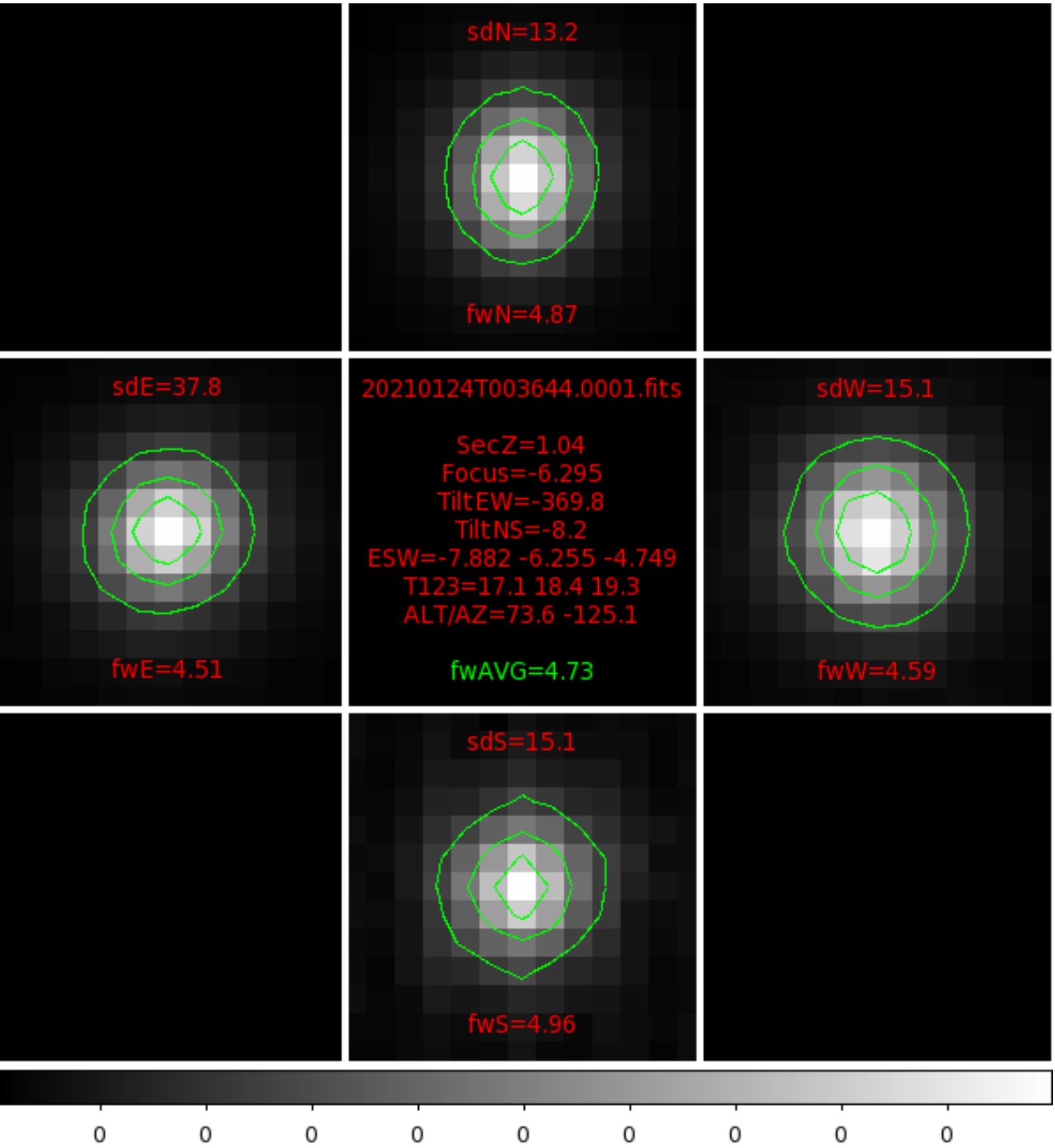
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20210124T003644.0001.fits
SecZ=1.04
Focus=-6.295
TiltEW=-369.8
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ESW=-7.882 -6.255 -4.749
T123=17.1 18.4 19.3
ALT/AZ=73.6 -125.1
fwAVG=4.73
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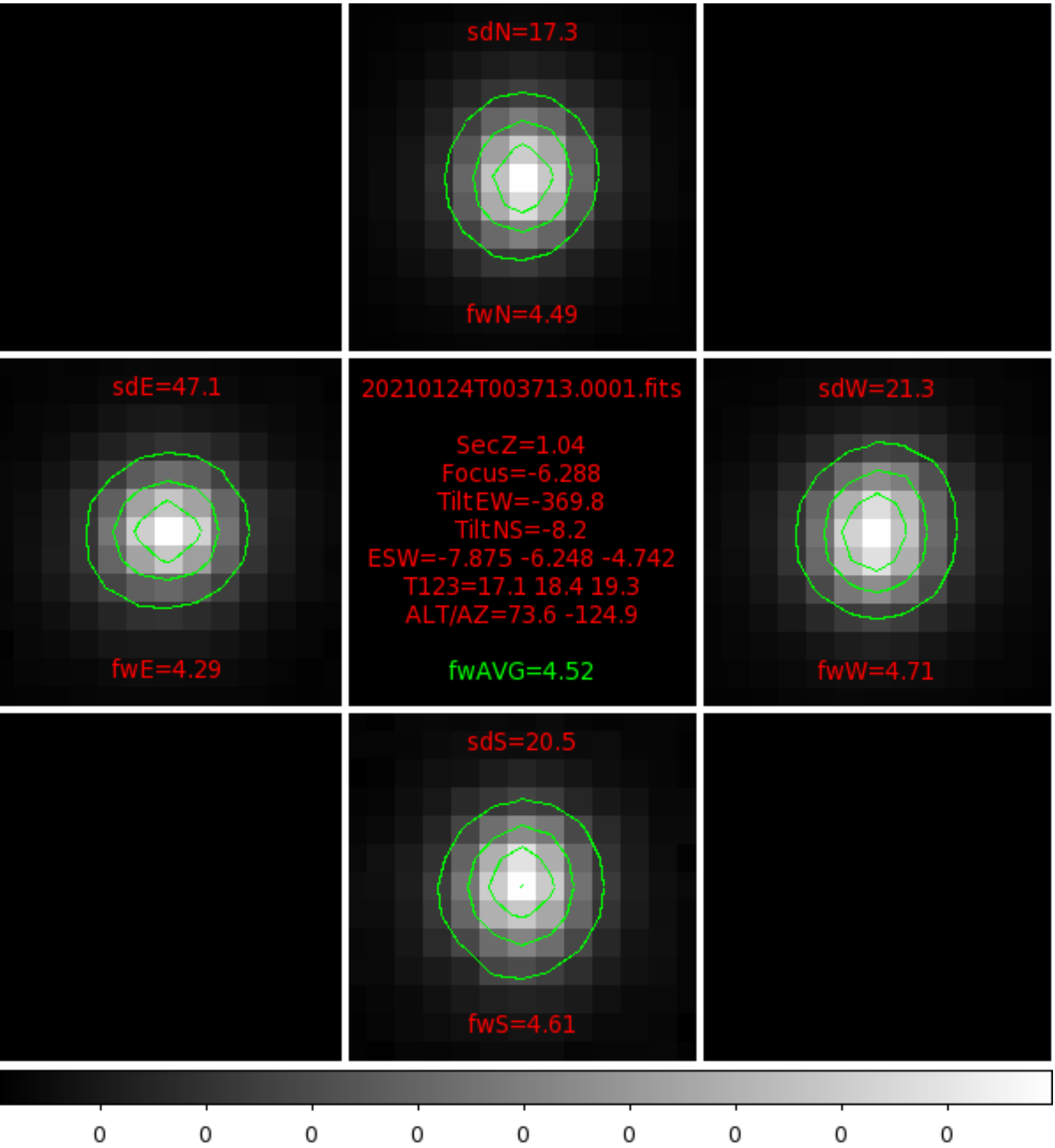
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Focus=-6.288
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.875 -6.248 -4.742
T123=17.1 18.4 19.3
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fwAVG=4.52
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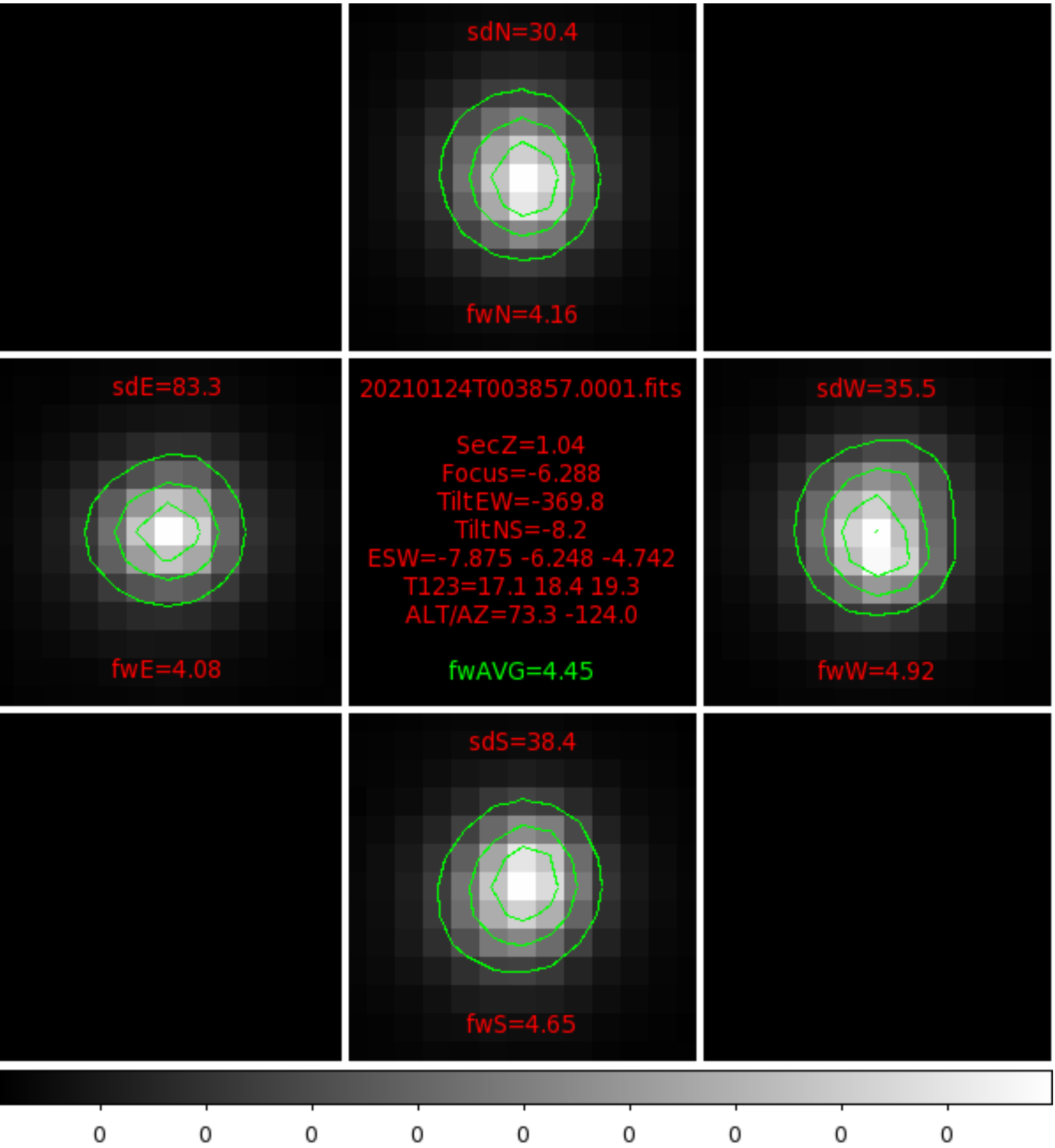
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20210124T003857.0001.fits
SecZ=1.04
Focus=-6.288
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.875 -6.248 -4.742
T123=17.1 18.4 19.3
ALT/AZ=73.3 -124.0
fwAVG=4.45
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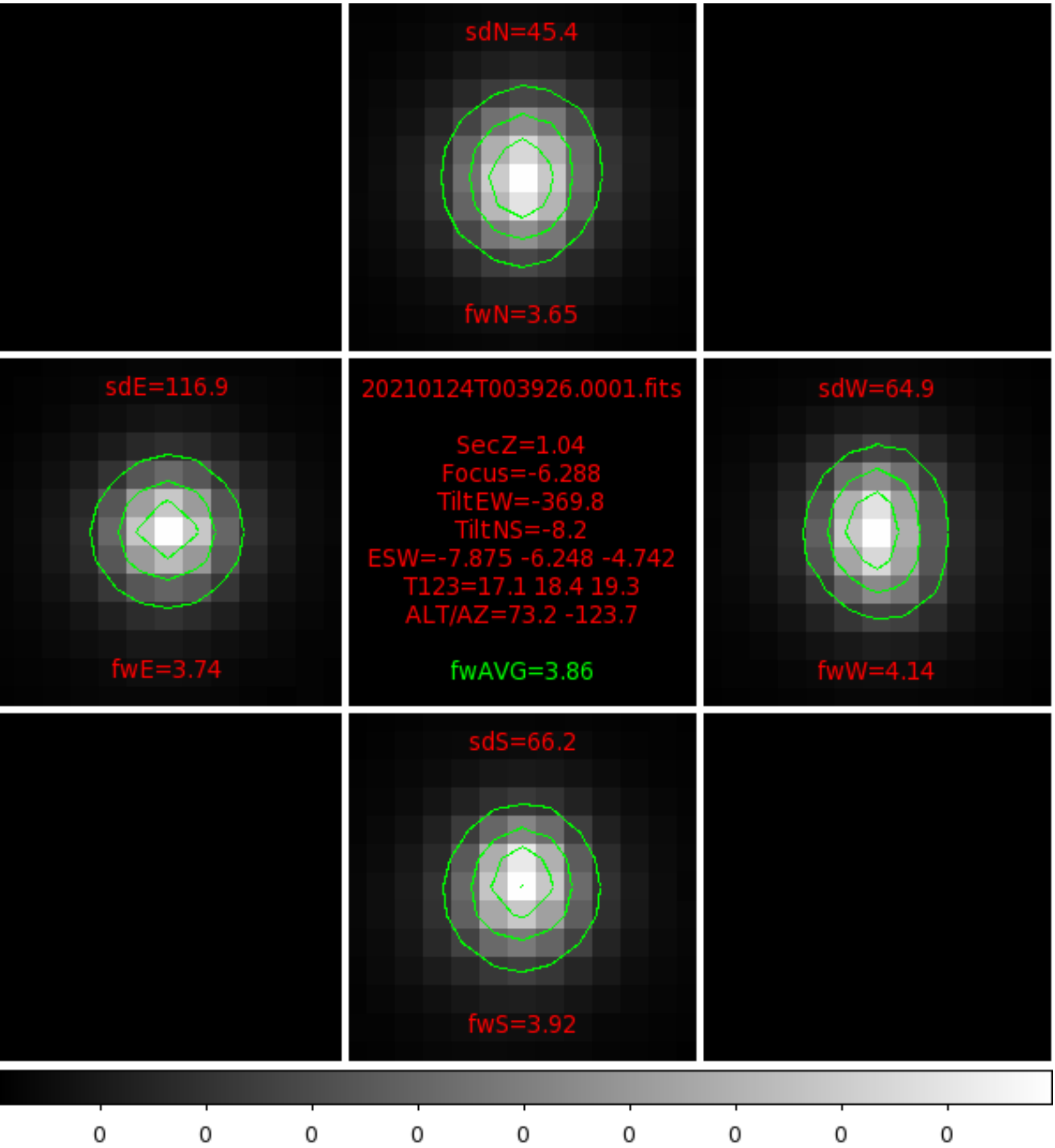
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sdE=116.9
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20210124T003926.0001.fits
SecZ=1.04
Focus=-6.288
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.875 -6.248 -4.742
T123=17.1 18.4 19.3
ALT/AZ=73.2 -123.7
fwAVG=3.86
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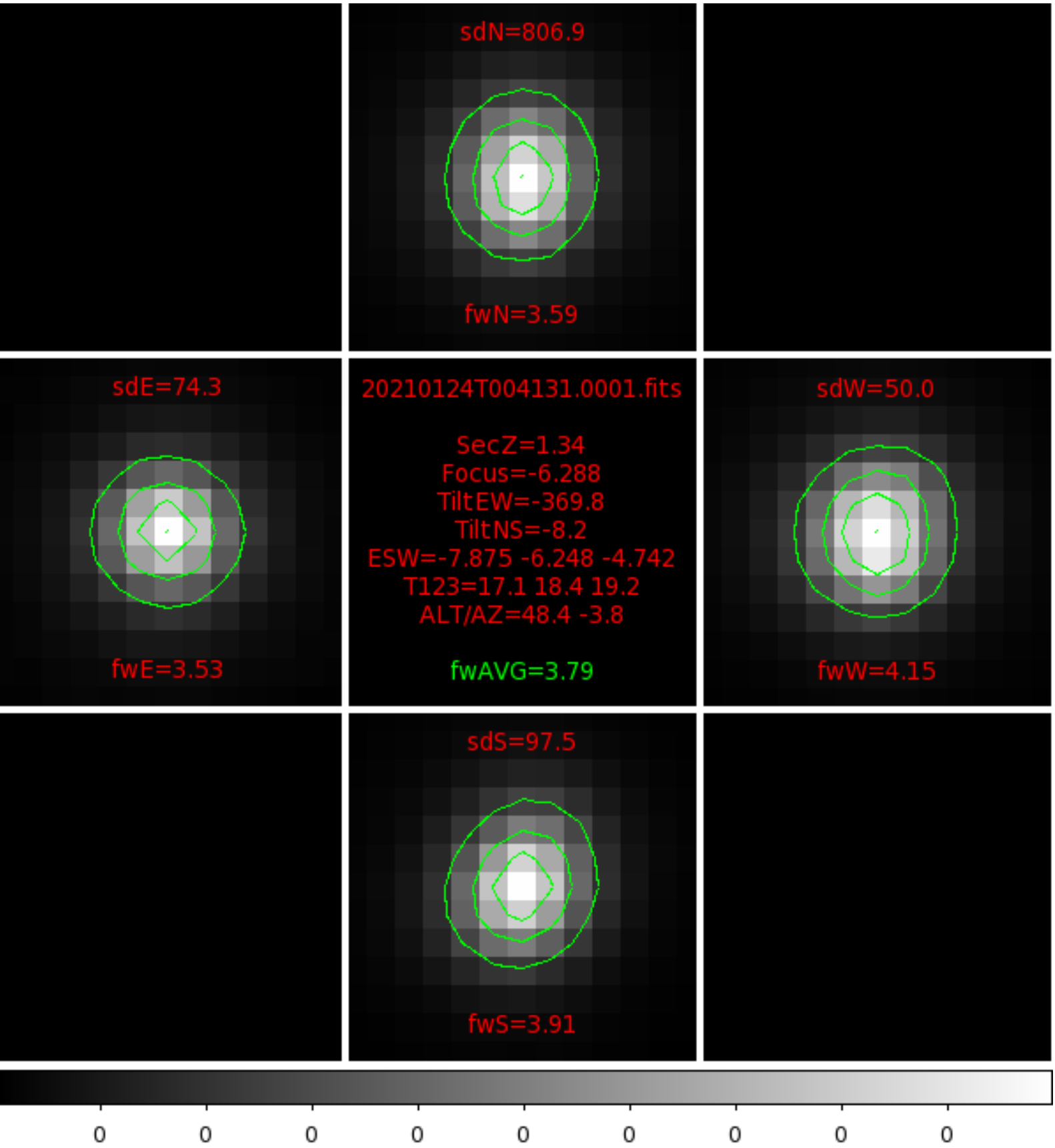
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SecZ=1.34
Focus=-6.288
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.875 -6.248 -4.742
T123=17.1 18.4 19.2
ALT/AZ=48.4 -3.8
fwAVG=3.79
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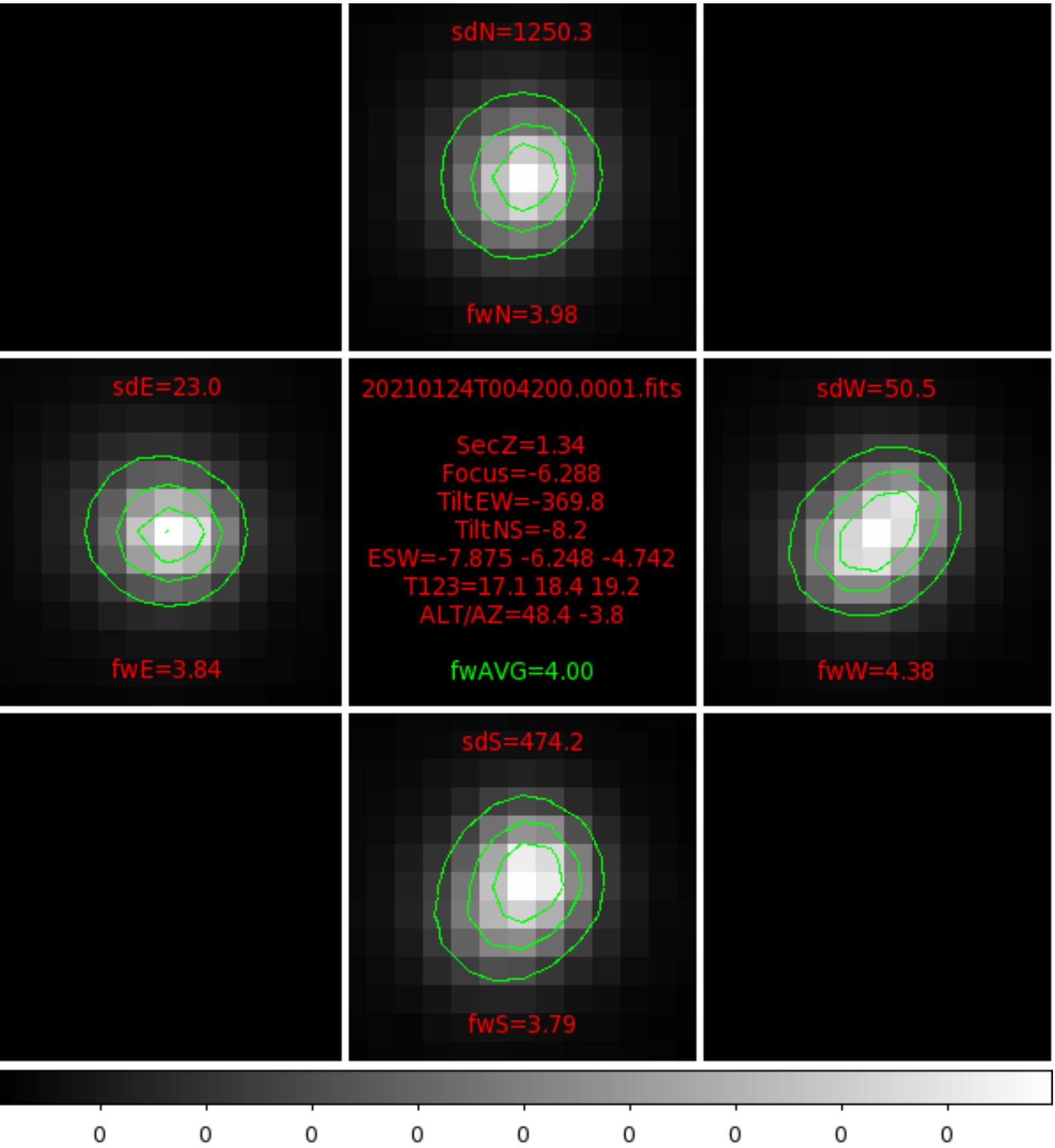
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SecZ=1.34
Focus=-6.288
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.875 -6.248 -4.742
T123=17.1 18.4 19.2
ALT/AZ=48.4 -3.8
fwAVG=4.00
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sdS=474.2
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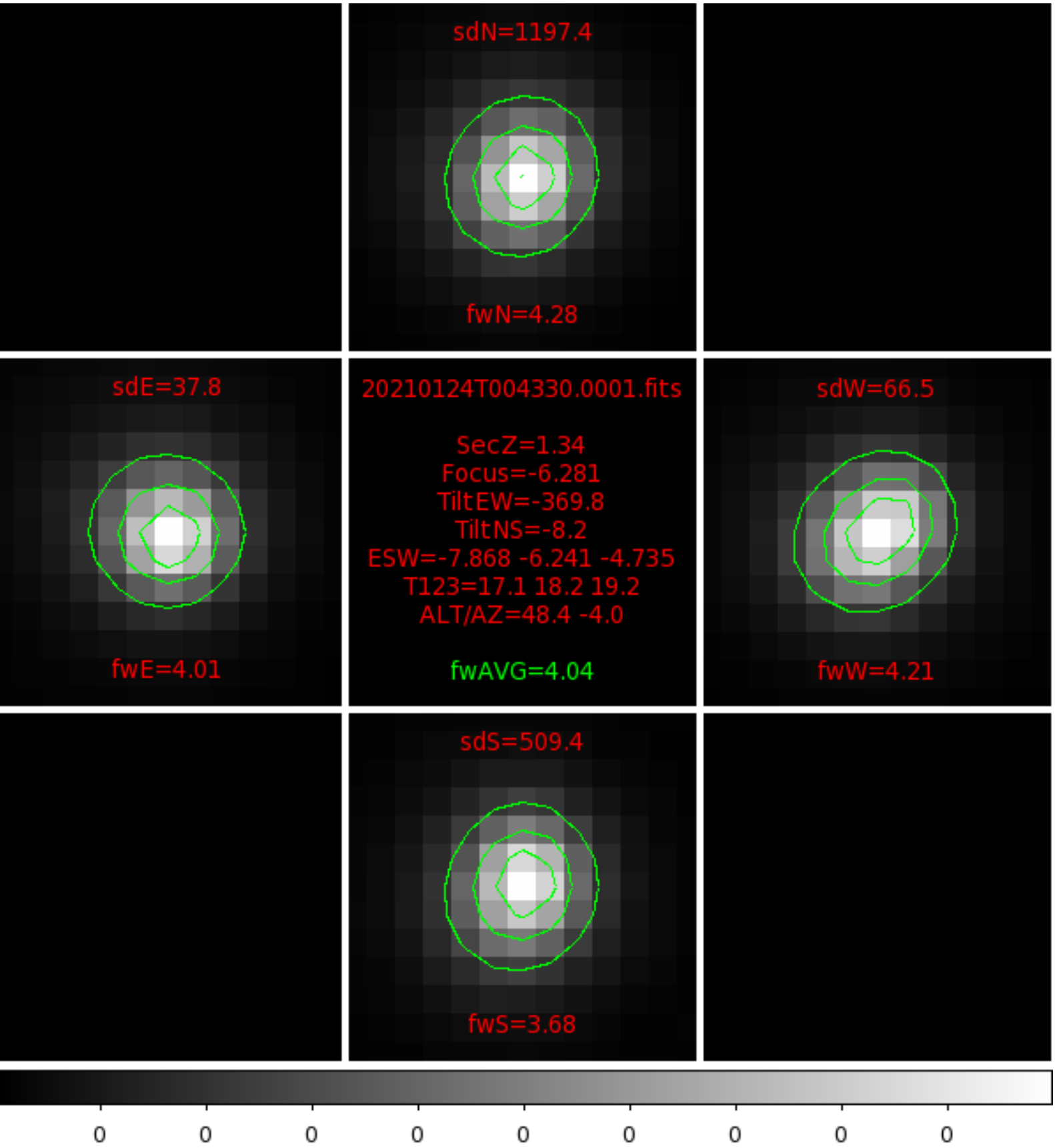
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SecZ=1.34
Focus=-6.281
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.868 -6.241 -4.735
T123=17.1 18.2 19.2
ALT/AZ=48.4 -4.0
fwAVG=4.04
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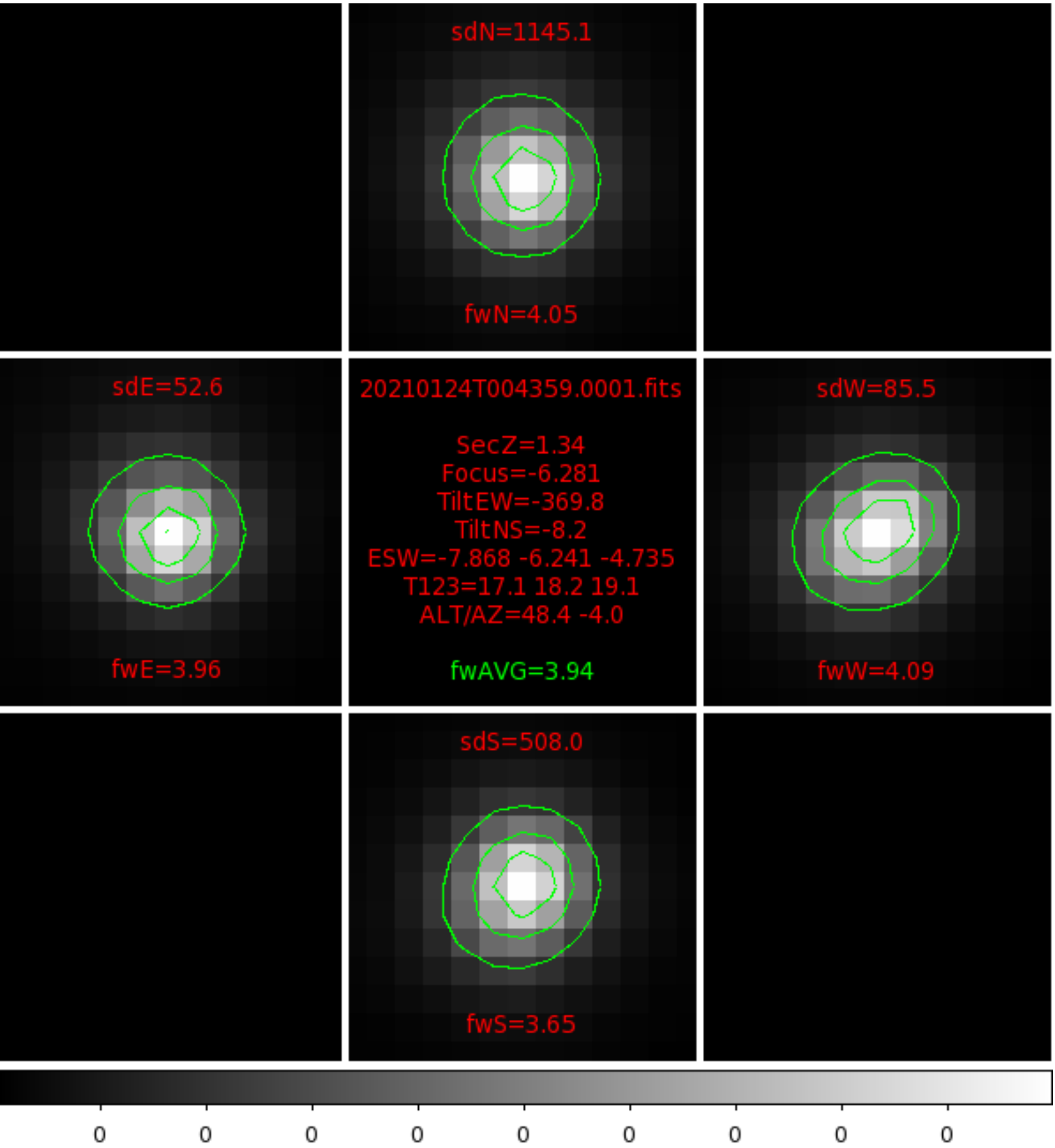
sdN=1145.1
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SecZ=1.34
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.868 -6.241 -4.735
T123=17.1 18.2 19.1
ALT/AZ=48.4 -4.0
fwAVG=3.94
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sdS=508.0
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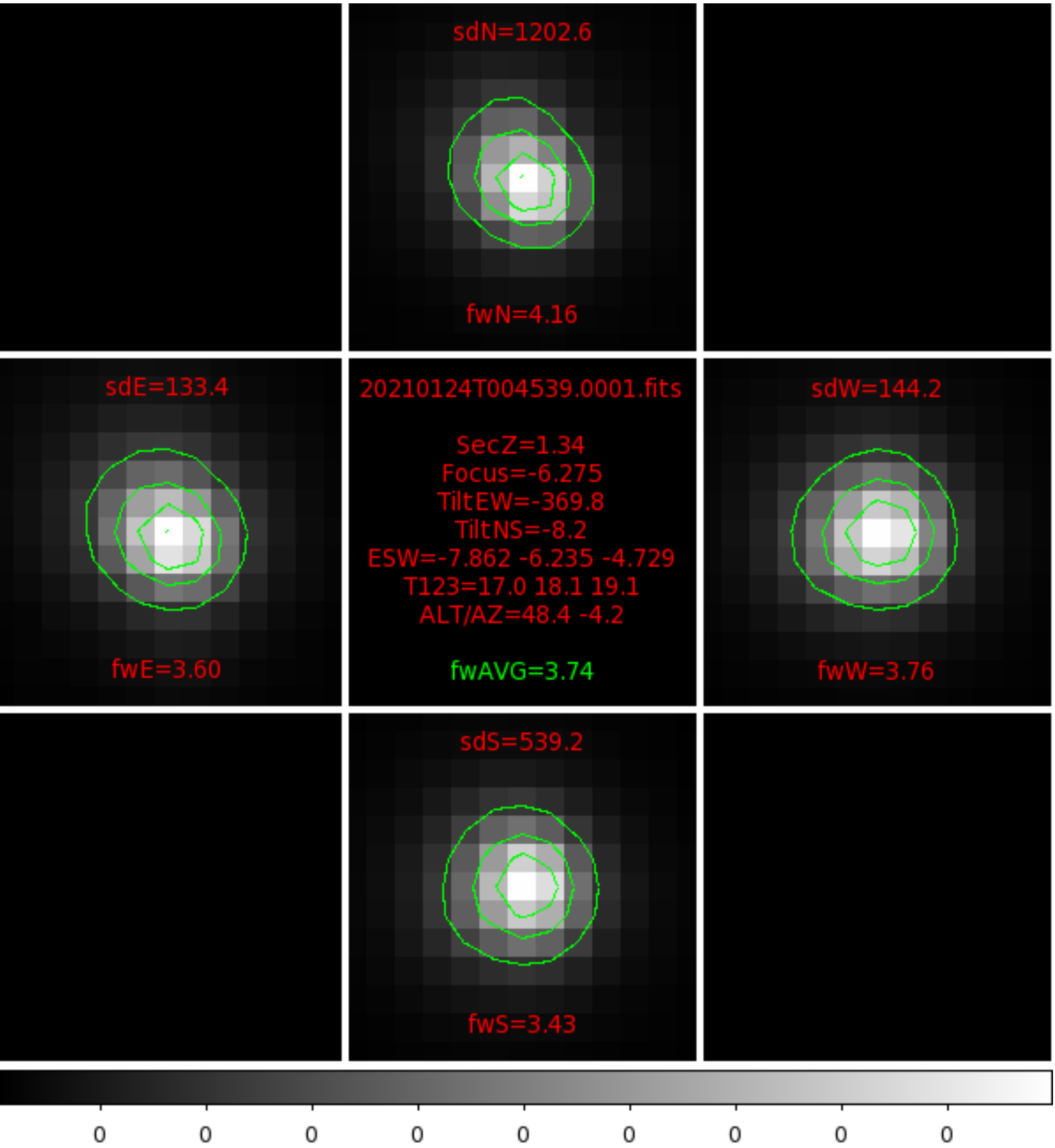
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sdE=133.4
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SecZ=1.34
Focus=-6.275
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.862 -6.235 -4.729
T123=17.0 18.1 19.1
ALT/AZ=48.4 -4.2
fwAVG=3.74
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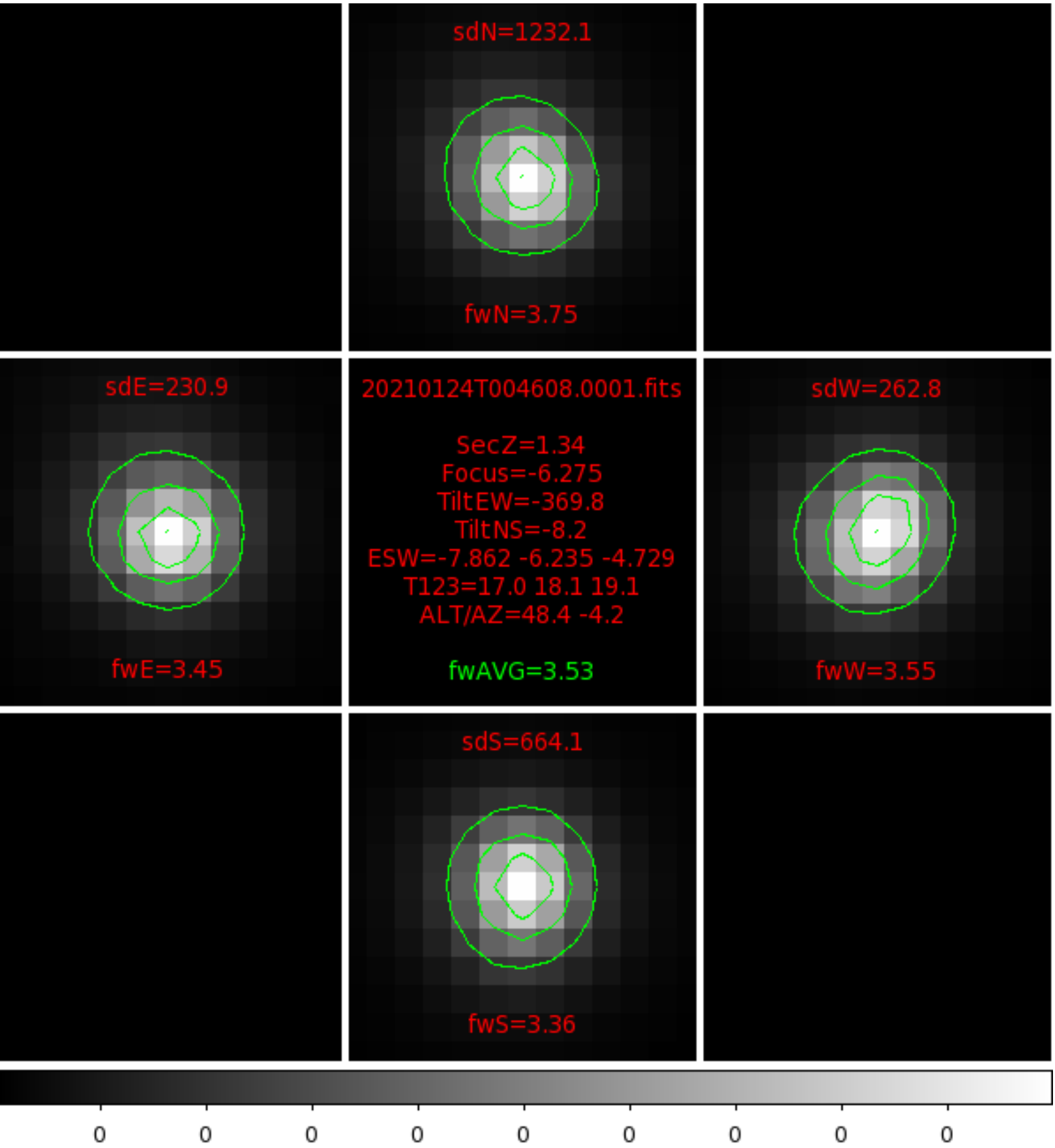
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SecZ=1.34
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TiltEW=-369.8
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ESW=-7.862 -6.235 -4.729
T123=17.0 18.1 19.1
ALT/AZ=48.4 -4.2
fwAVG=3.53
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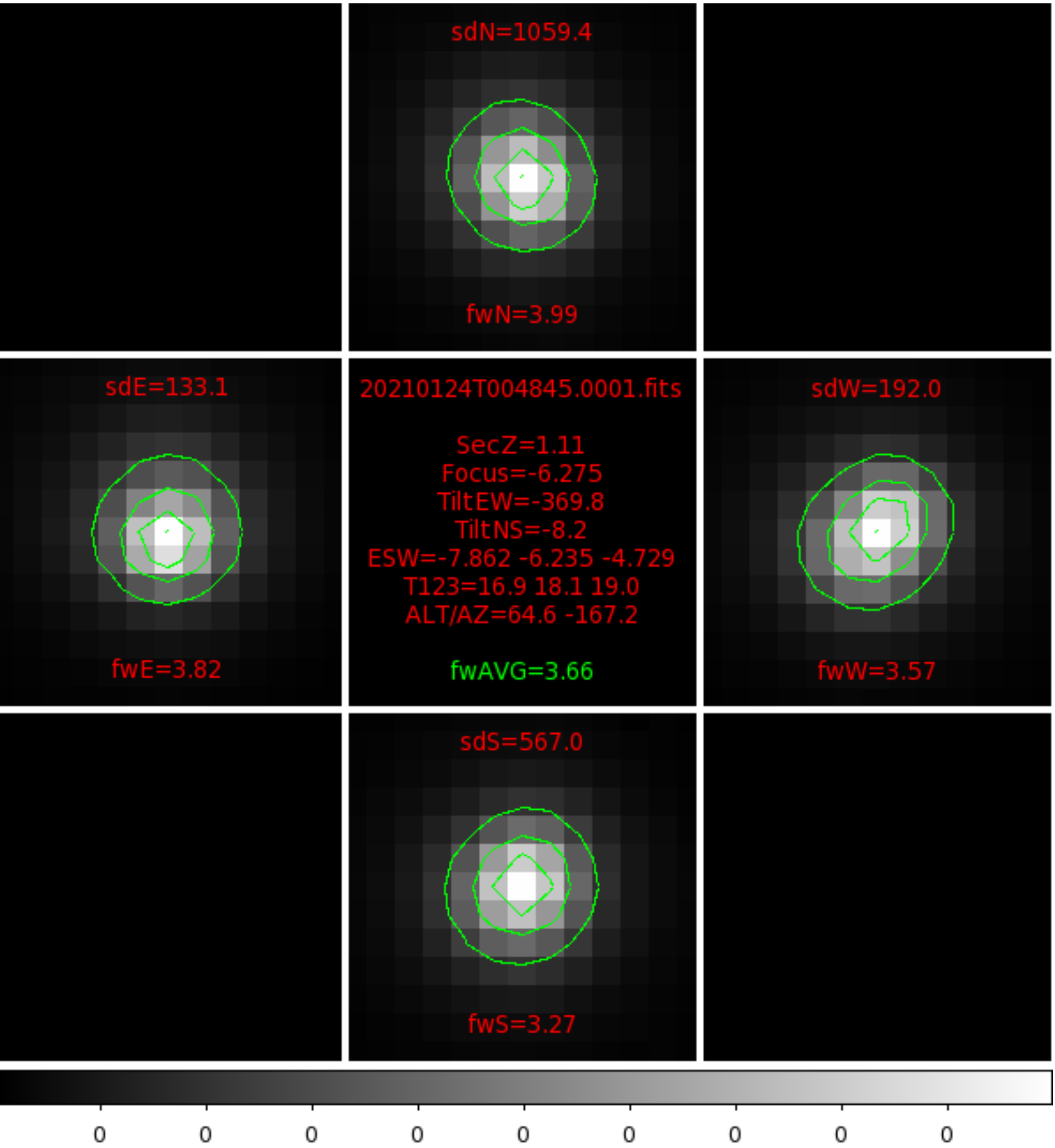
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SecZ=1.11
Focus=-6.275
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.862 -6.235 -4.729
T123=16.9 18.1 19.0
ALT/AZ=64.6 -167.2
fwAVG=3.66
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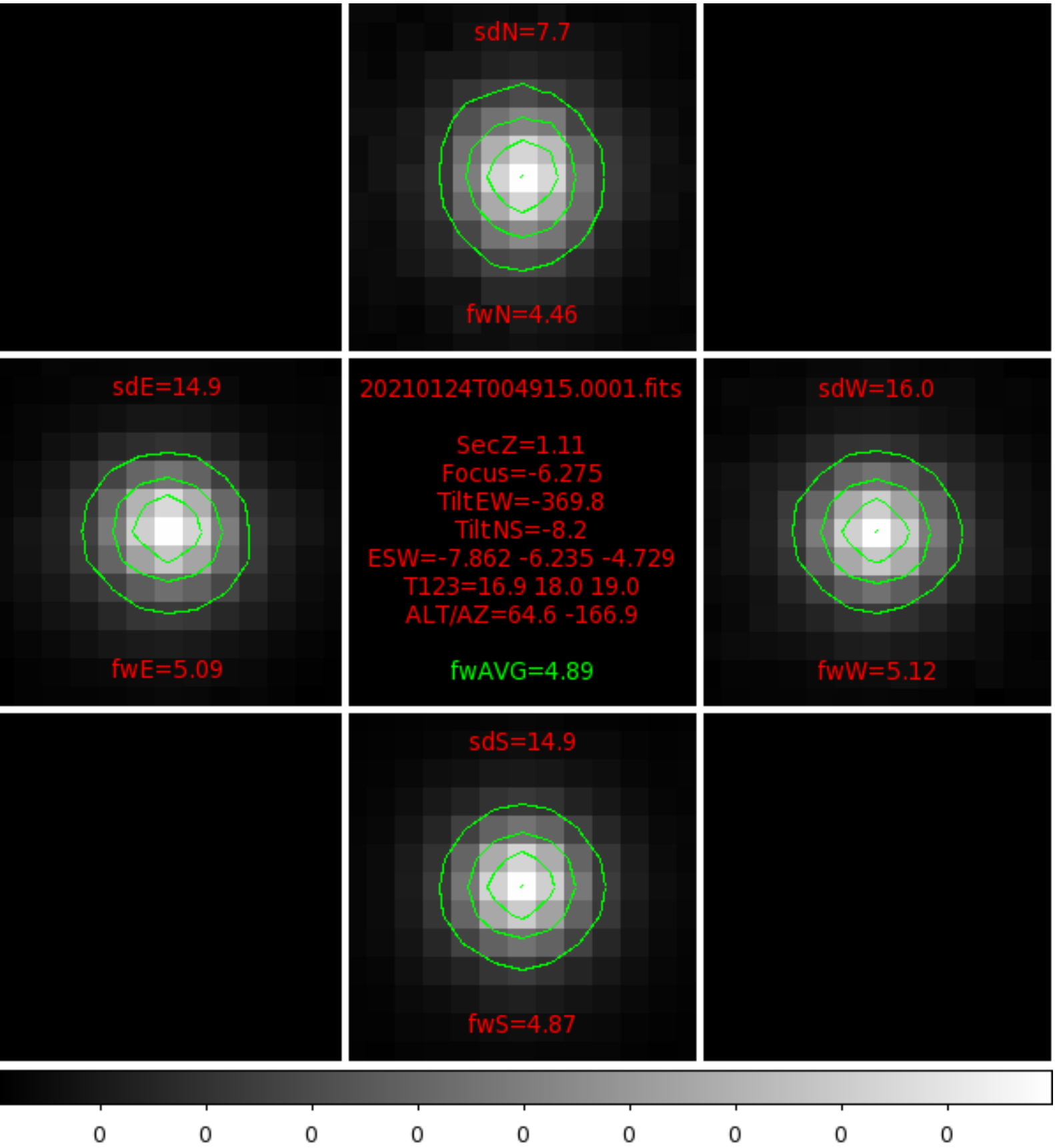
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SecZ=1.11
Focus=-6.275
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.862 -6.235 -4.729
T123=16.9 18.0 19.0
ALT/AZ=64.6 -166.9
fwAVG=4.89
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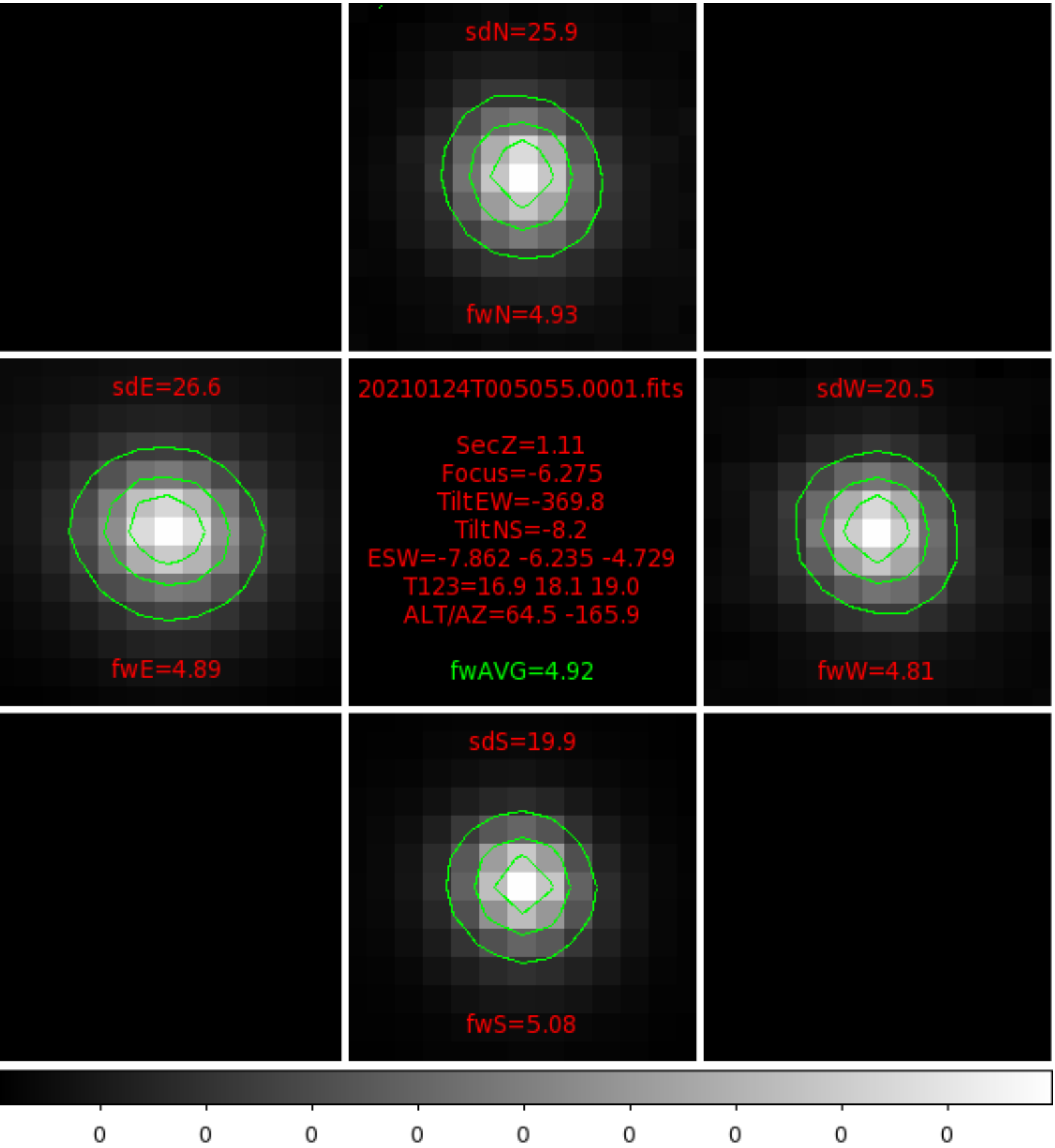
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SecZ=1.11
Focus=-6.275
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.862 -6.235 -4.729
T123=16.9 18.1 19.0
ALT/AZ=64.5 -165.9
fwAVG=4.92
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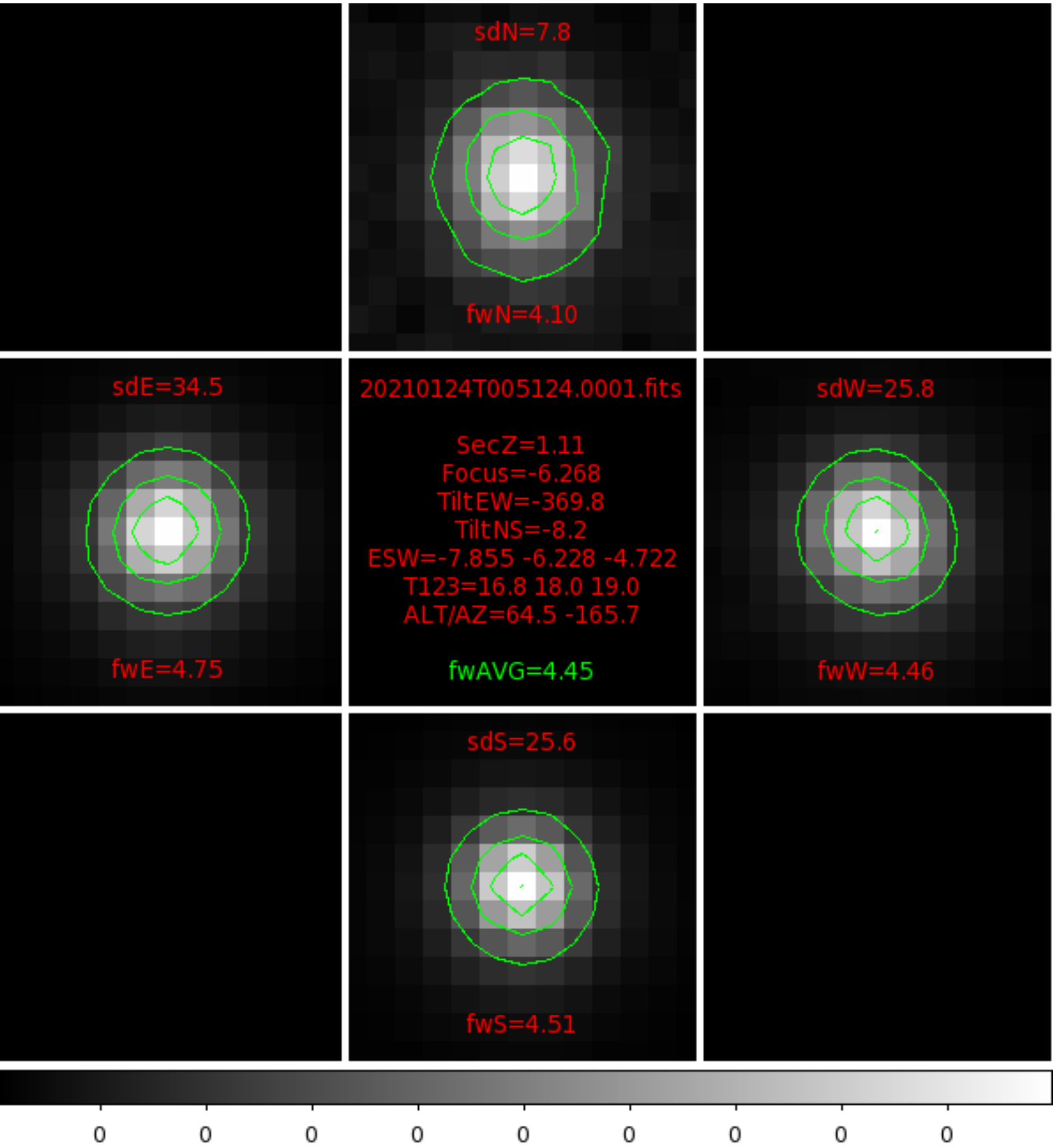
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Focus=-6.268
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.855 -6.228 -4.722
T123=16.8 18.0 19.0
ALT/AZ=64.5 -165.7
fwAVG=4.45
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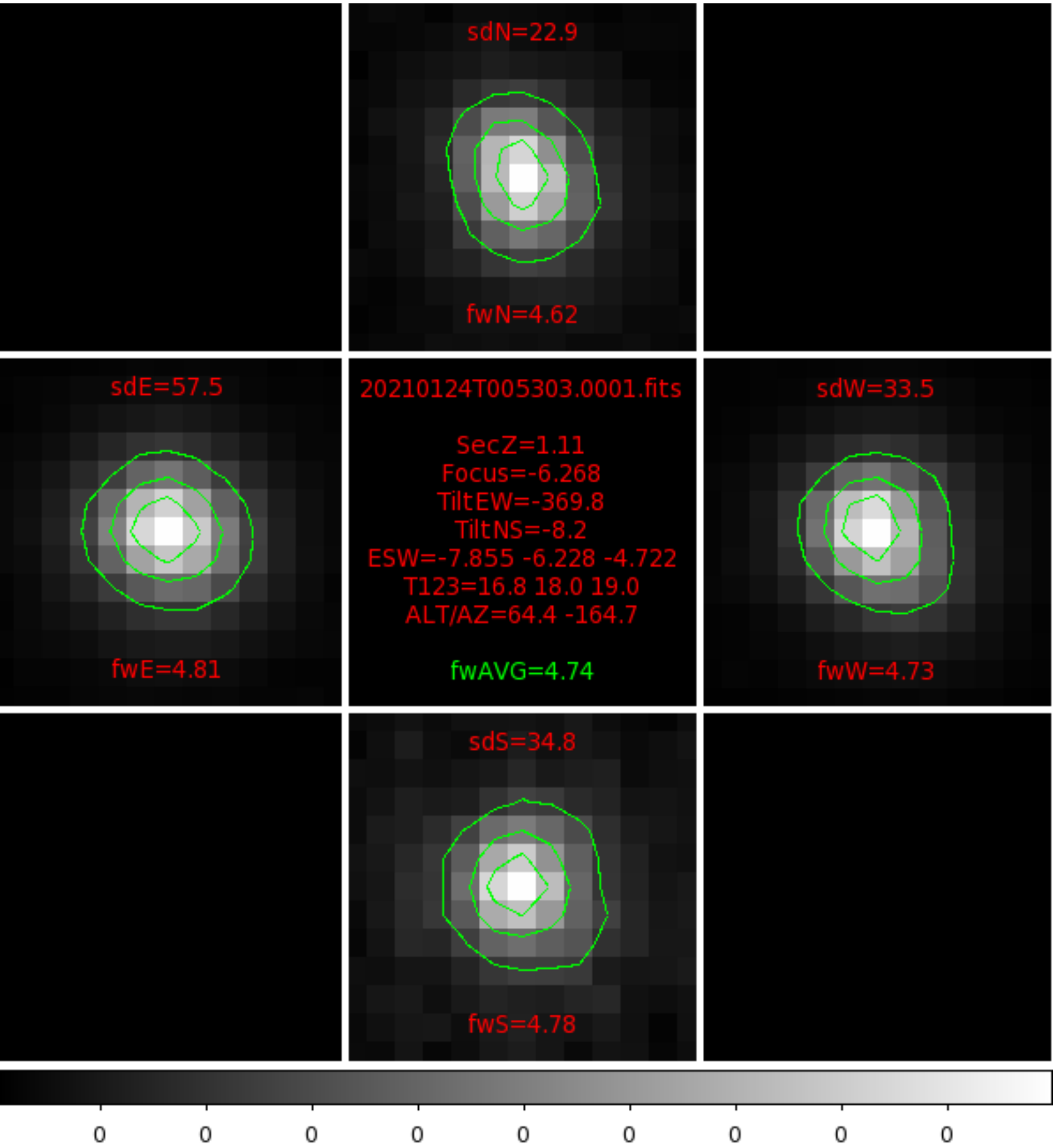
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SecZ=1.11
Focus=-6.268
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.855 -6.228 -4.722
T123=16.8 18.0 19.0
ALT/AZ=64.4 -164.7
fwAVG=4.74
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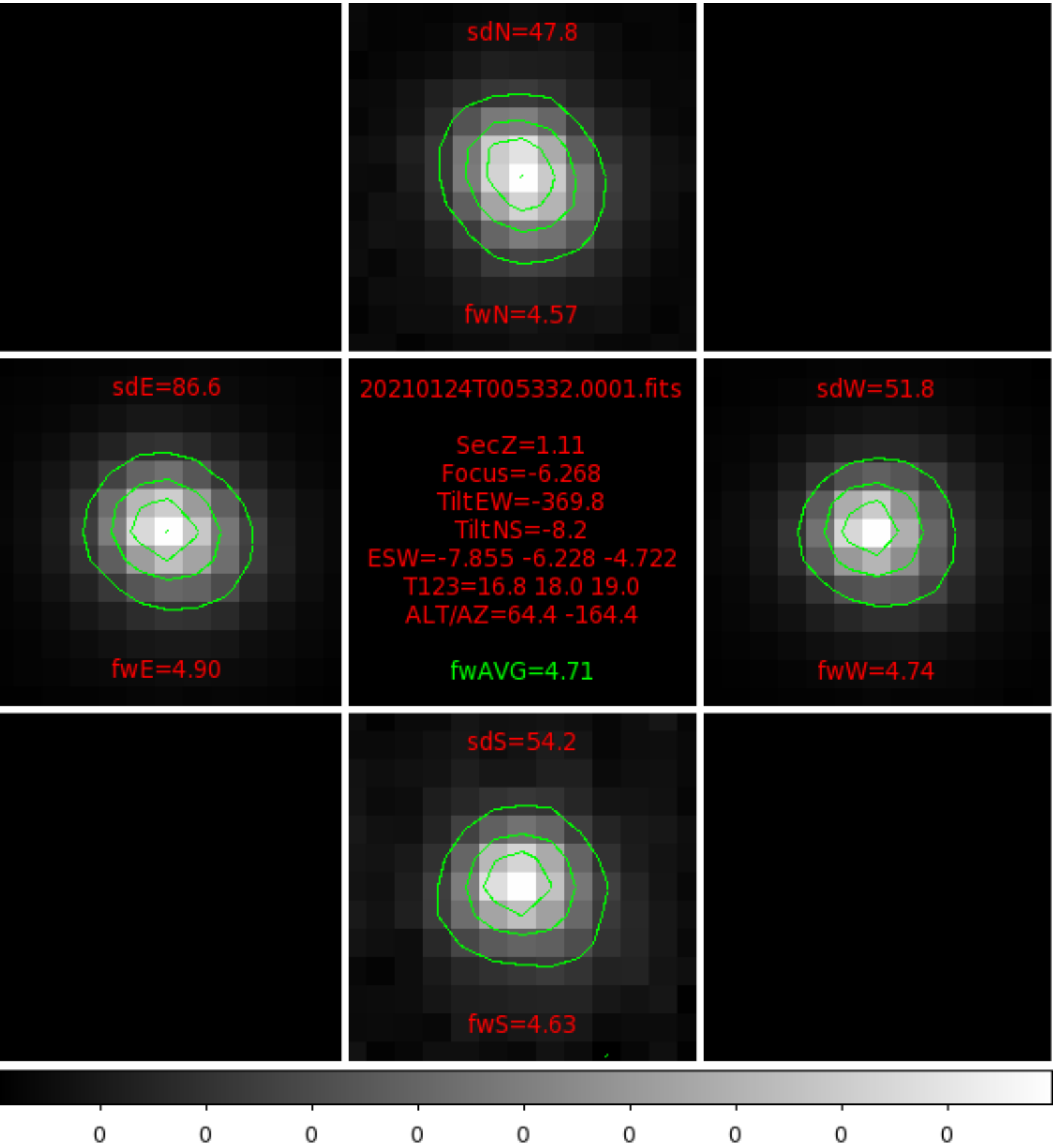
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SecZ=1.11
Focus=-6.268
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.855 -6.228 -4.722
T123=16.8 18.0 19.0
ALT/AZ=64.4 -164.4
fwAVG=4.71
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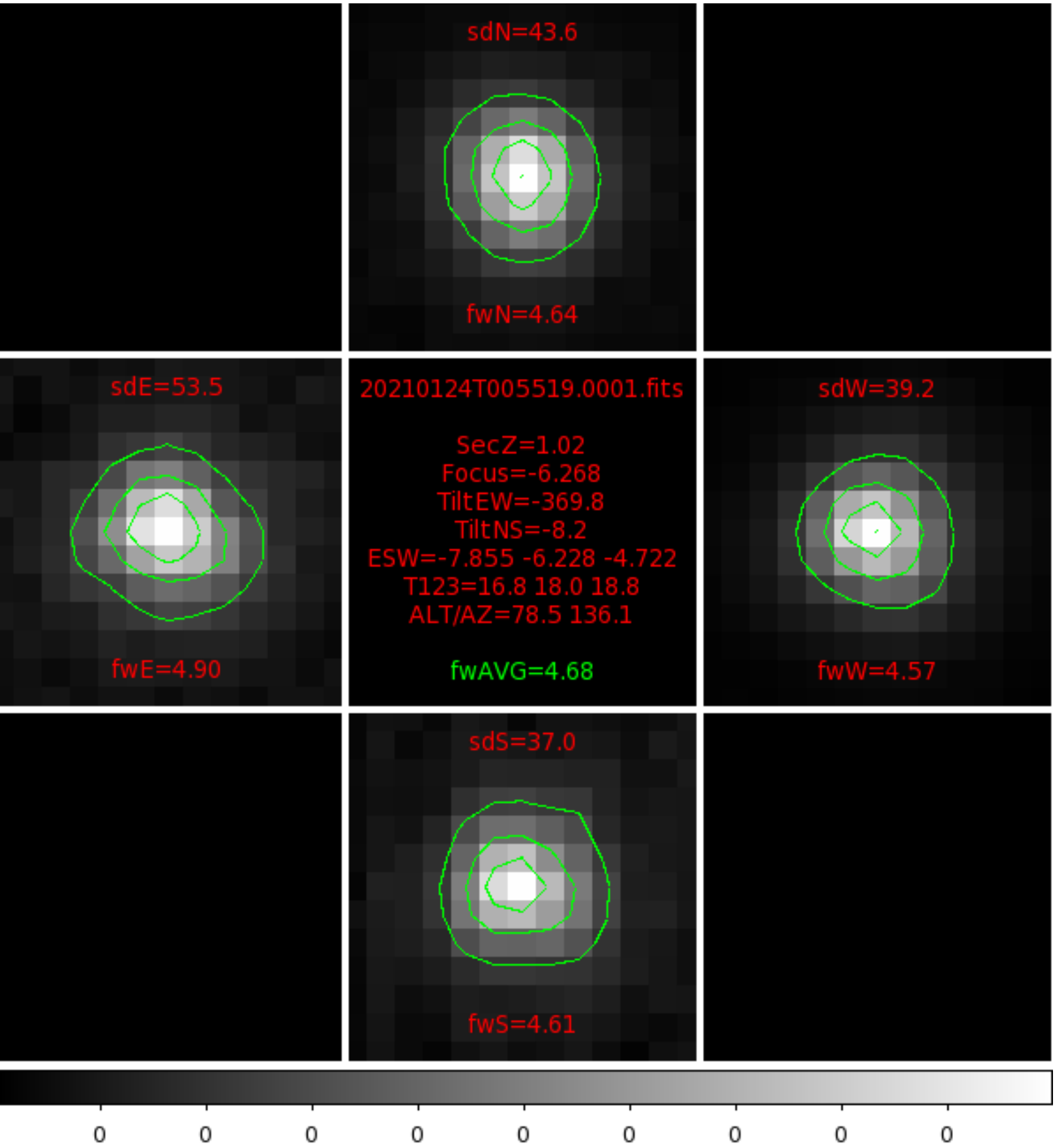
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SecZ=1.02
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.855 -6.228 -4.722
T123=16.8 18.0 18.8
ALT/AZ=78.5 136.1
fwAVG=4.68
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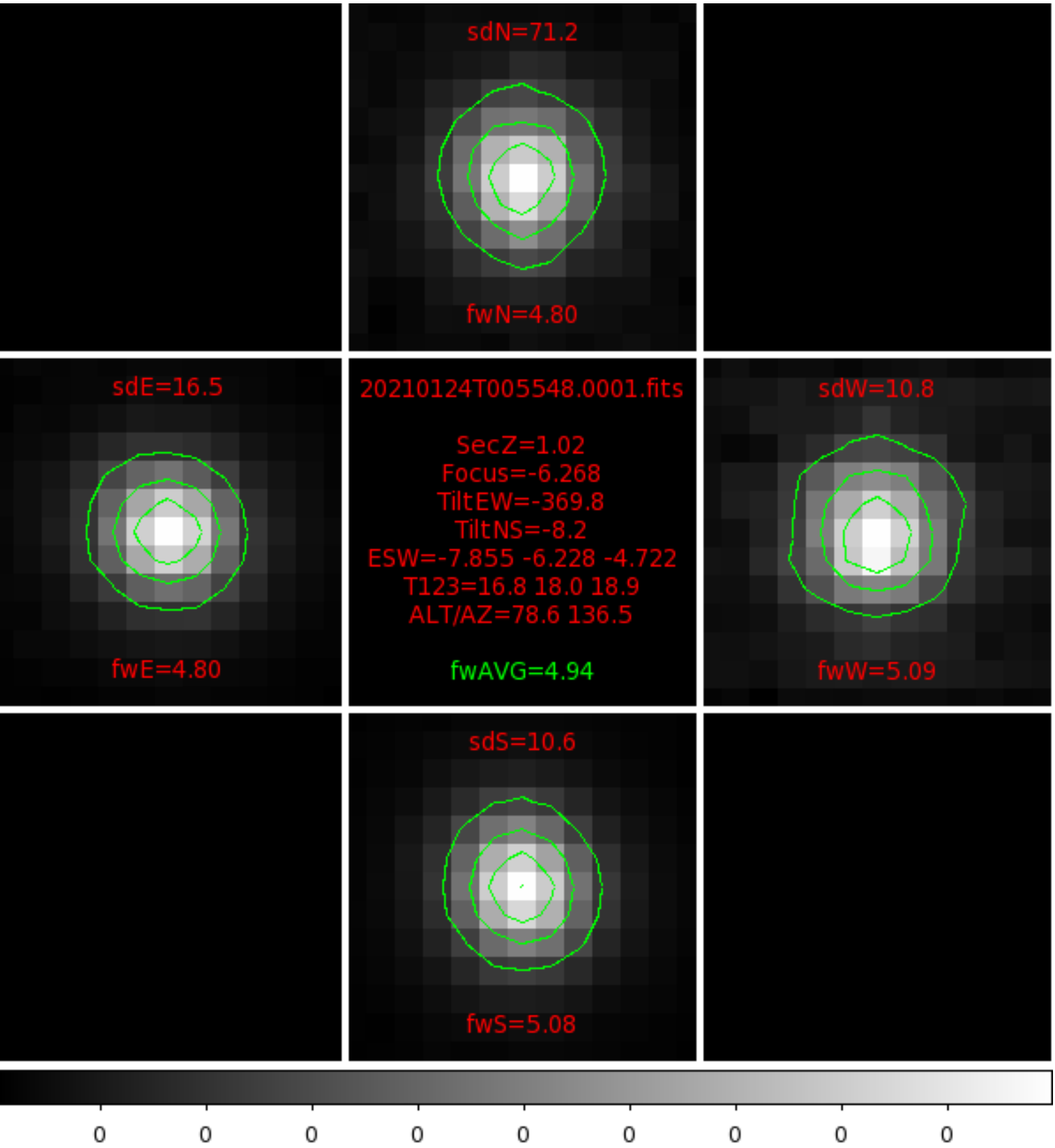
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SecZ=1.02
Focus=-6.268
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.855 -6.228 -4.722
T123=16.8 18.0 18.9
ALT/AZ=78.6 136.5
fwAVG=4.94
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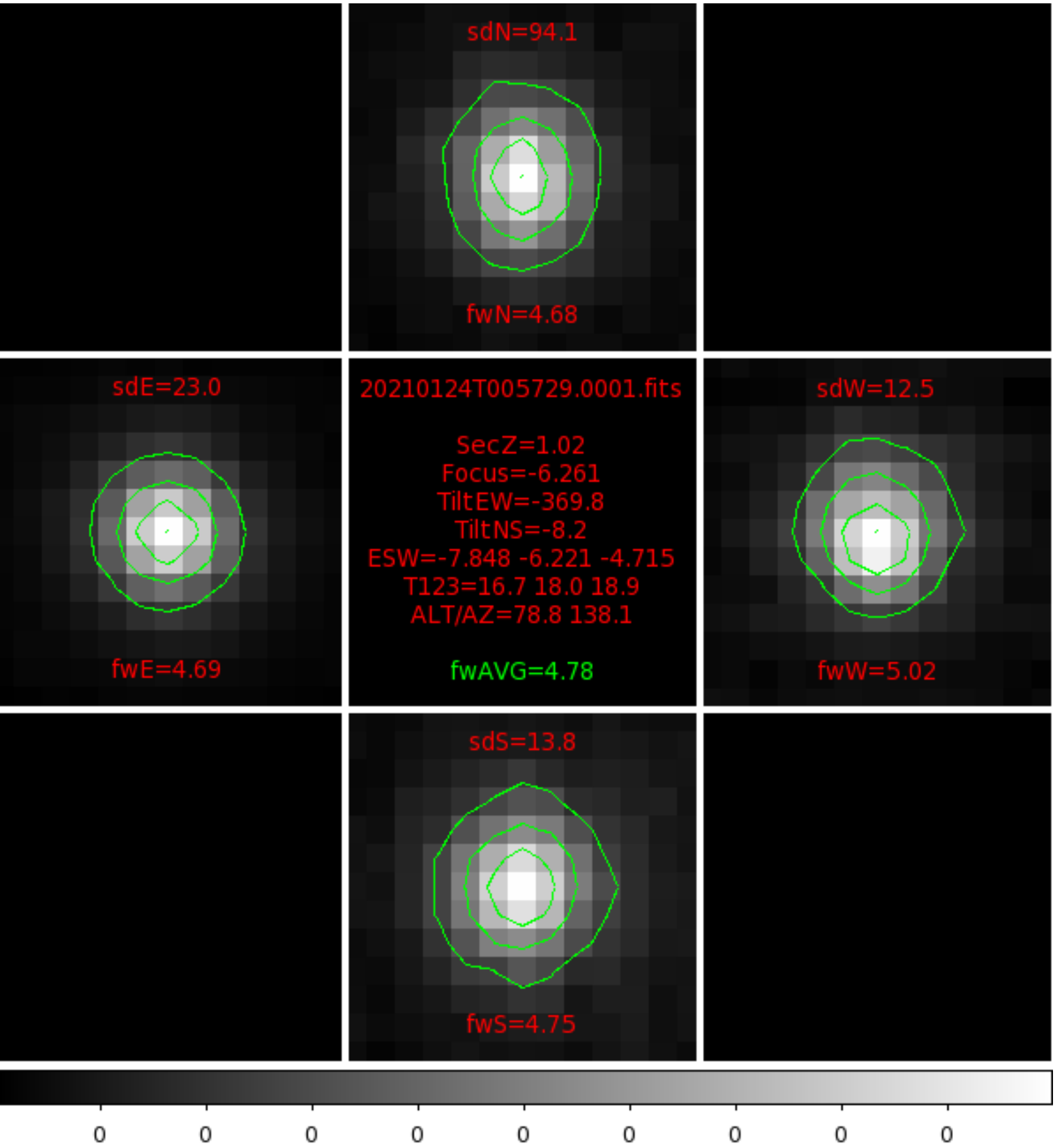
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SecZ=1.02
Focus=-6.261
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.848 -6.221 -4.715
T123=16.7 18.0 18.9
ALT/AZ=78.8 138.1
fwAVG=4.78
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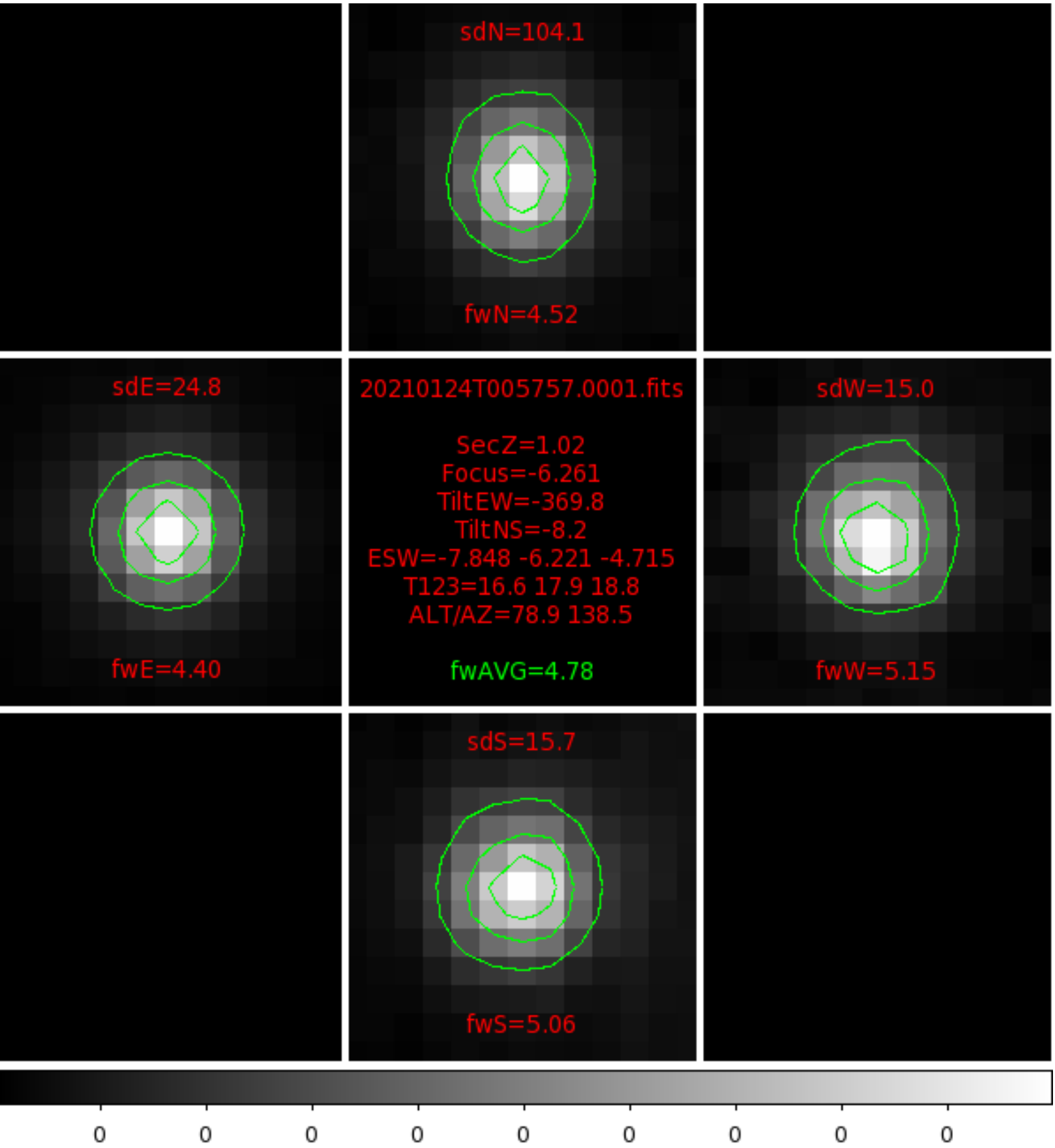
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SecZ=1.02
Focus=-6.261
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TiltNS=-8.2
ESW=-7.848 -6.221 -4.715
T123=16.6 17.9 18.8
ALT/AZ=78.9 138.5
fwAVG=4.78
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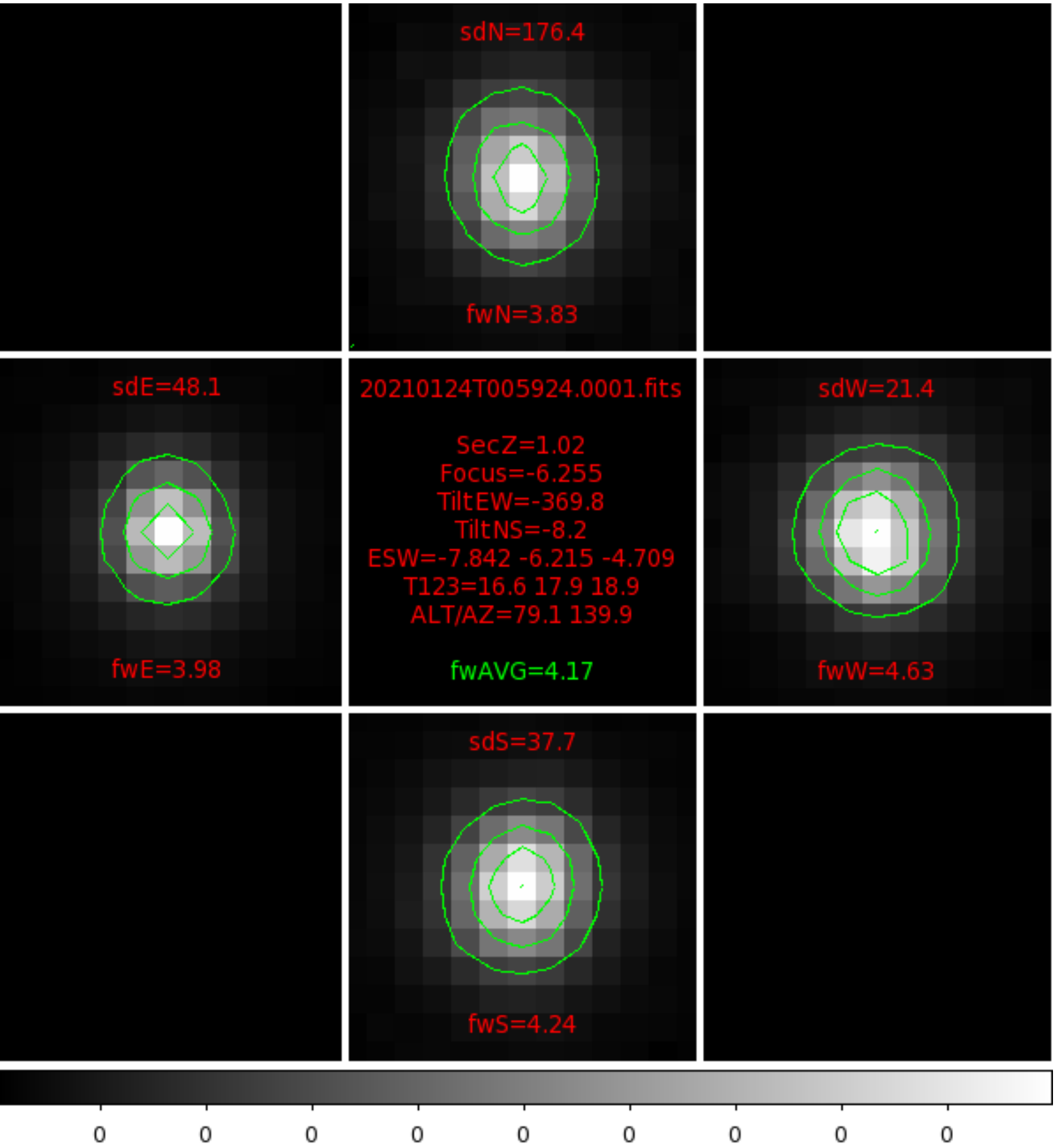
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sdE=48.1
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SecZ=1.02
Focus=-6.255
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.842 -6.215 -4.709
T123=16.6 17.9 18.9
ALT/AZ=79.1 139.9
fwAVG=4.17
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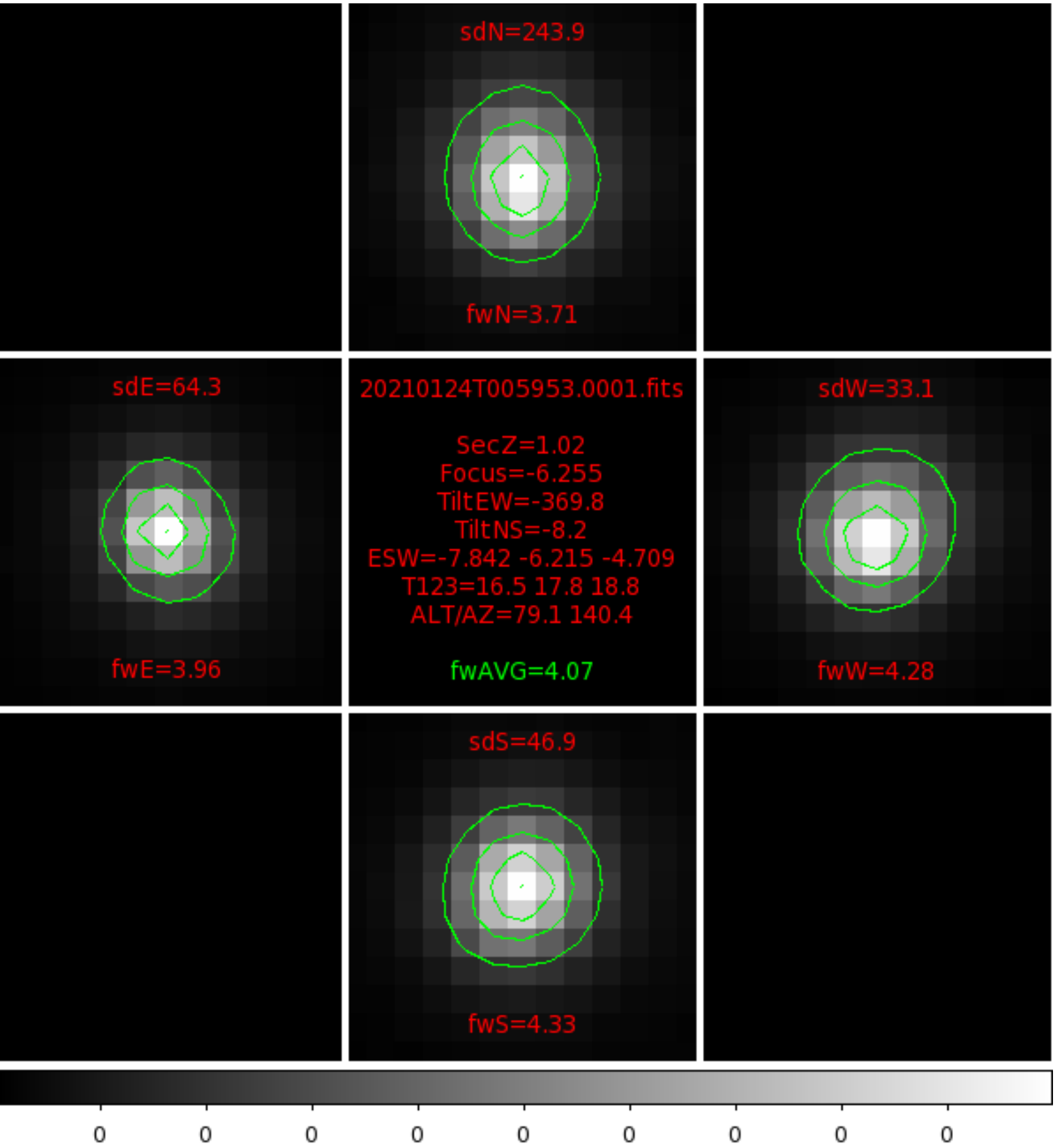
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SecZ=1.02
Focus=-6.255
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.842 -6.215 -4.709
T123=16.5 17.8 18.8
ALT/AZ=79.1 140.4
fwAVG=4.07
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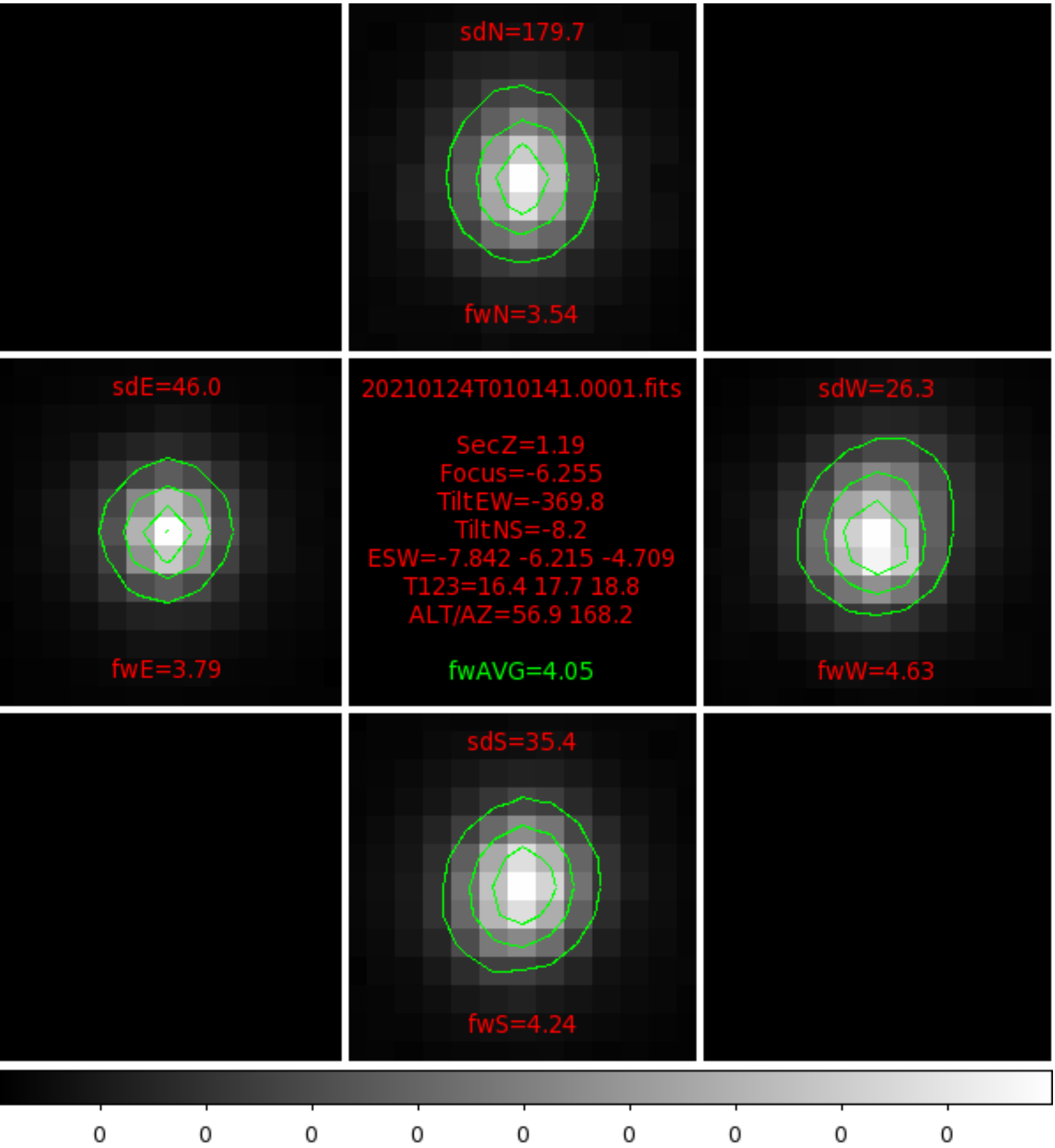
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SecZ=1.19
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TiltNS=-8.2
ESW=-7.842 -6.215 -4.709
T123=16.4 17.7 18.8
ALT/AZ=56.9 168.2
fwAVG=4.05
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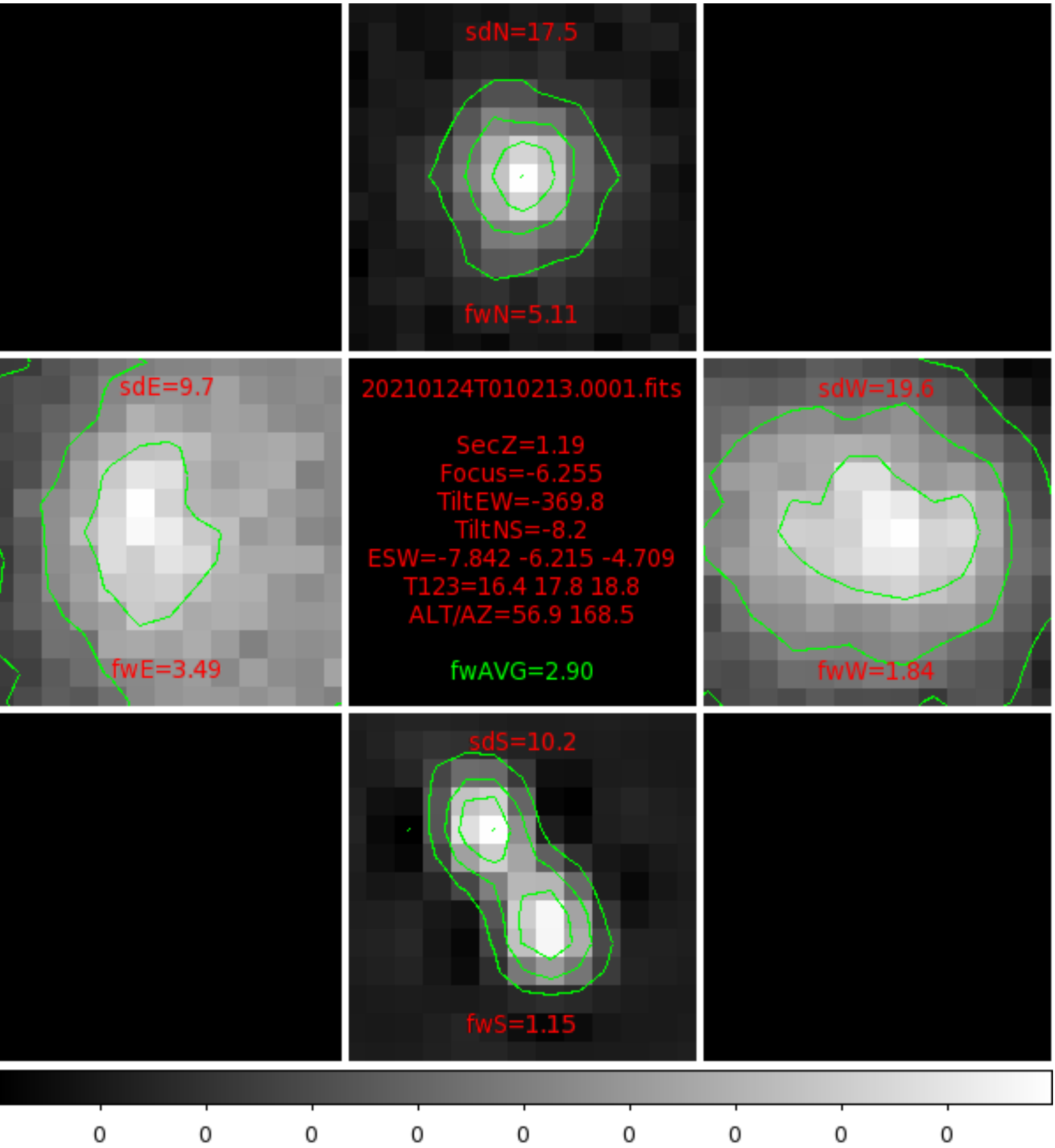
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T123=16.4 17.8 18.8
ALT/AZ=56.9 168.5
fwAVG=2.90
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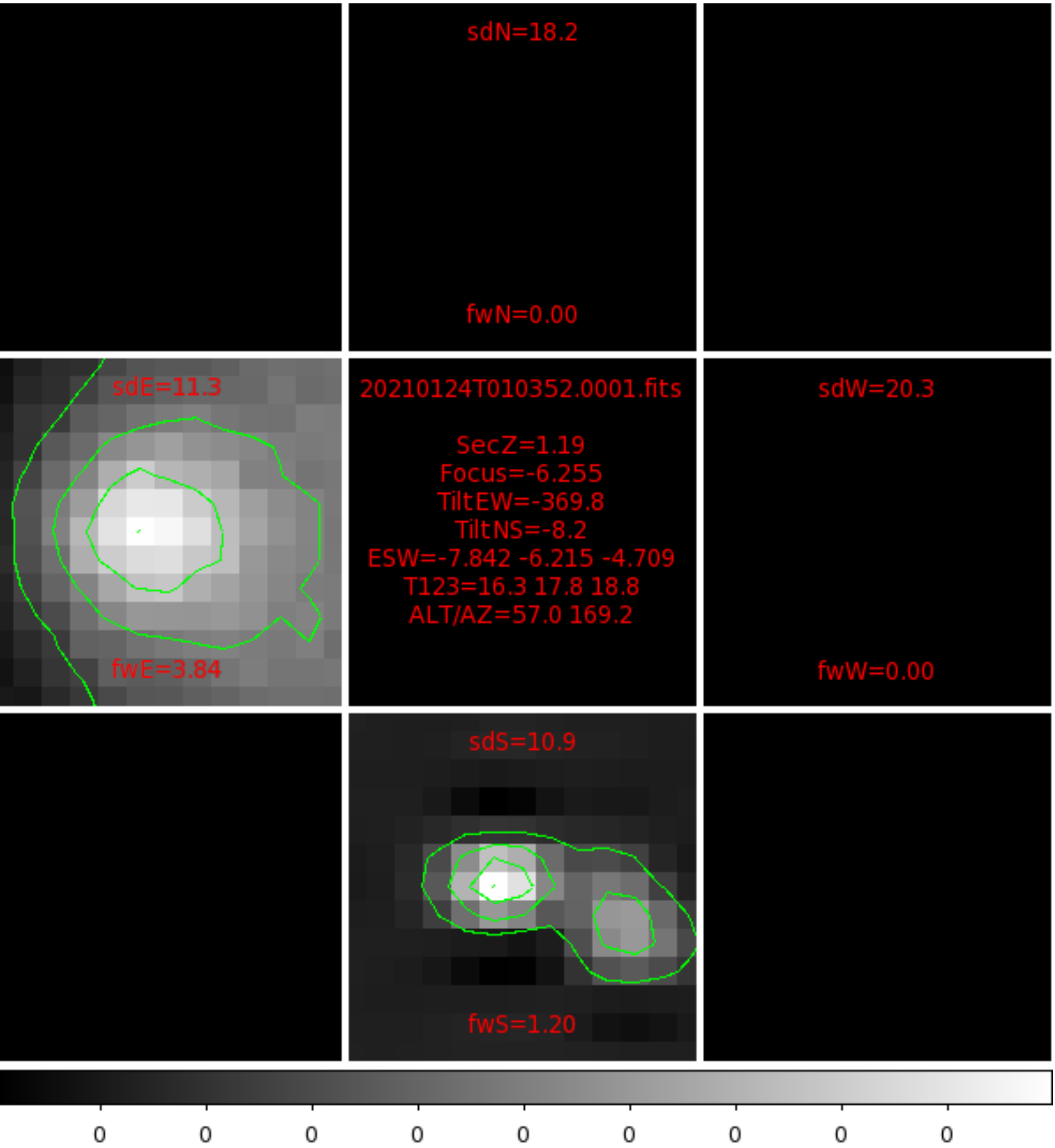
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SecZ=1.19
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.842 -6.215 -4.709
T123=16.3 17.8 18.8
ALT/AZ=57.0 169.2
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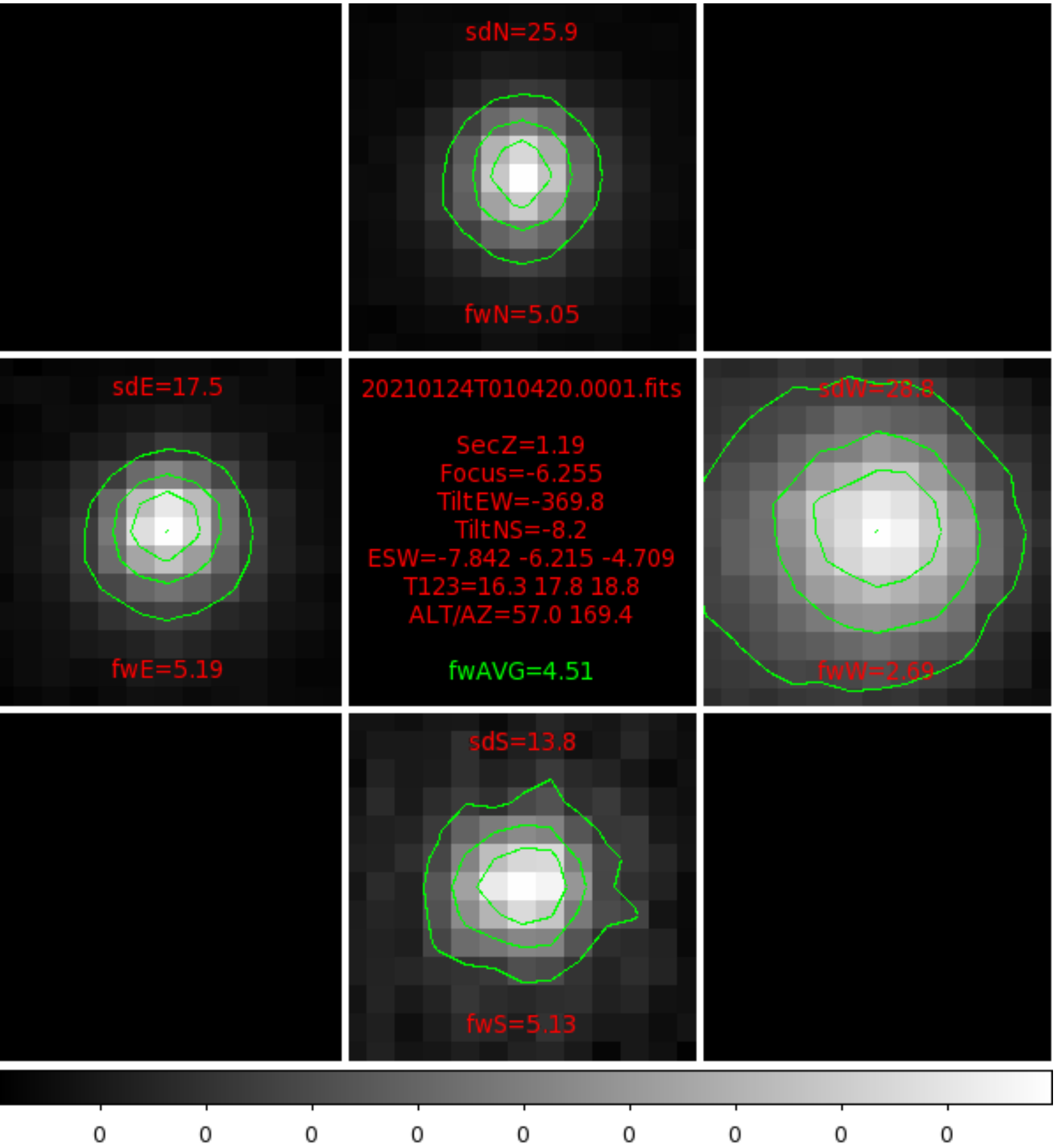
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SecZ=1.19
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.842 -6.215 -4.709
T123=16.3 17.8 18.8
ALT/AZ=57.0 169.4
fwAVG=4.51
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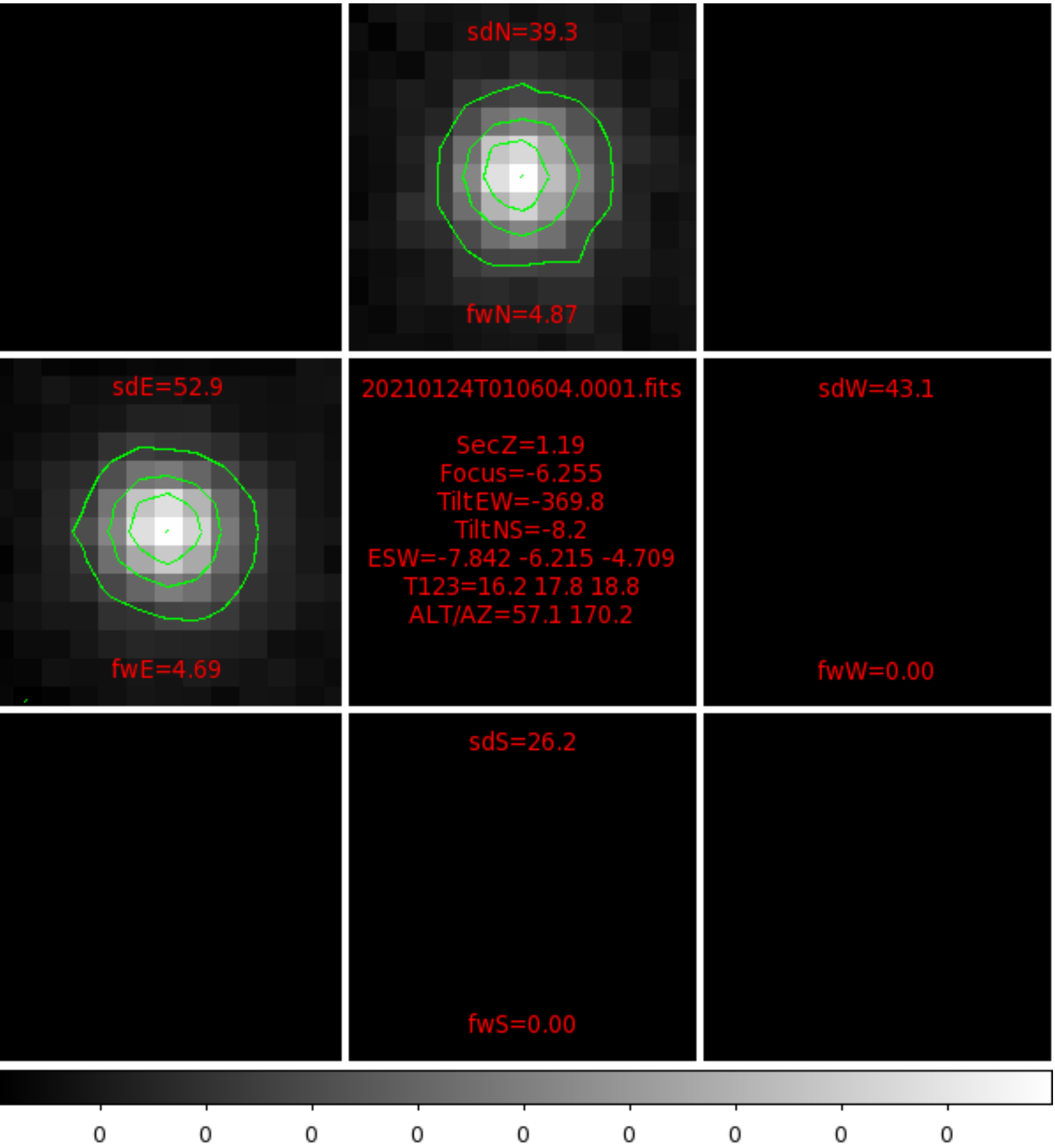
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sdE=52.9
fwE=4.69
20210124T010604.0001.fits
SecZ=1.19
Focus=-6.255
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.842 -6.215 -4.709
T123=16.2 17.8 18.8
ALT/AZ=57.1 170.2
sdW=43.1
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sdS=26.2
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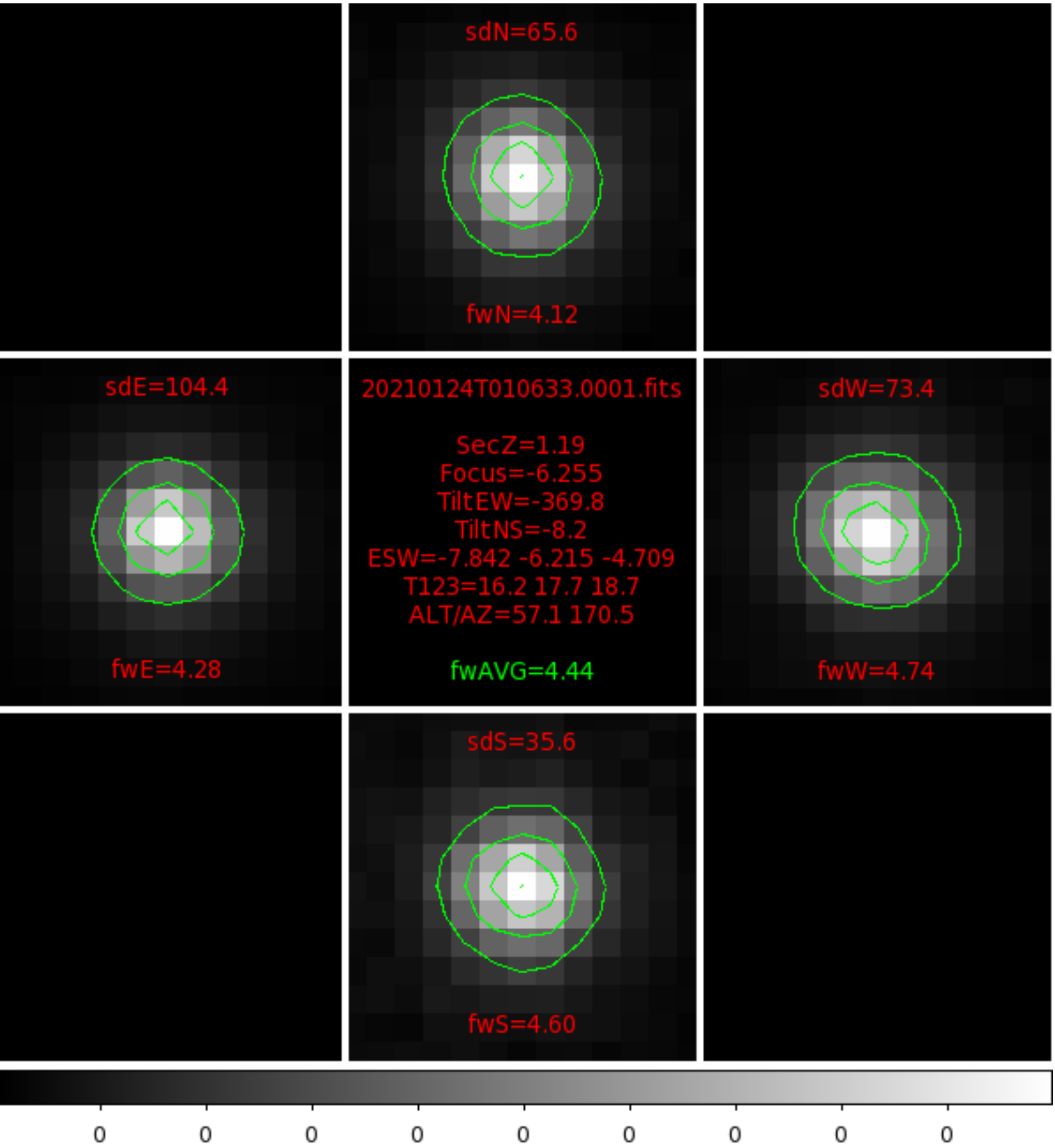
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SecZ=1.19
Focus=-6.255
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.842 -6.215 -4.709
T123=16.2 17.7 18.7
ALT/AZ=57.1 170.5
fwAVG=4.44
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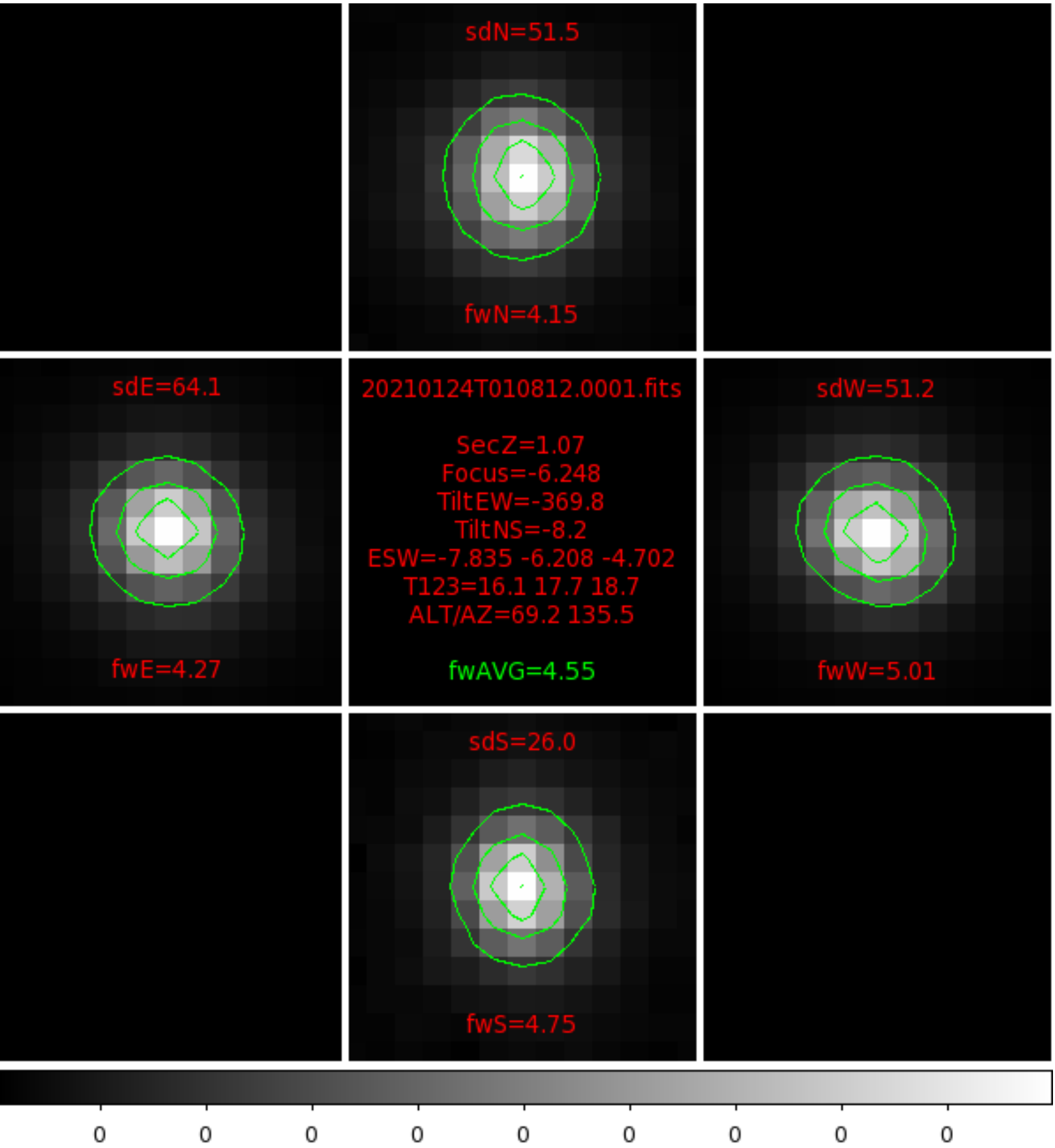
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SecZ=1.07
Focus=-6.248
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.835 -6.208 -4.702
T123=16.1 17.7 18.7
ALT/AZ=69.2 135.5
fwAVG=4.55
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sdS=26.0
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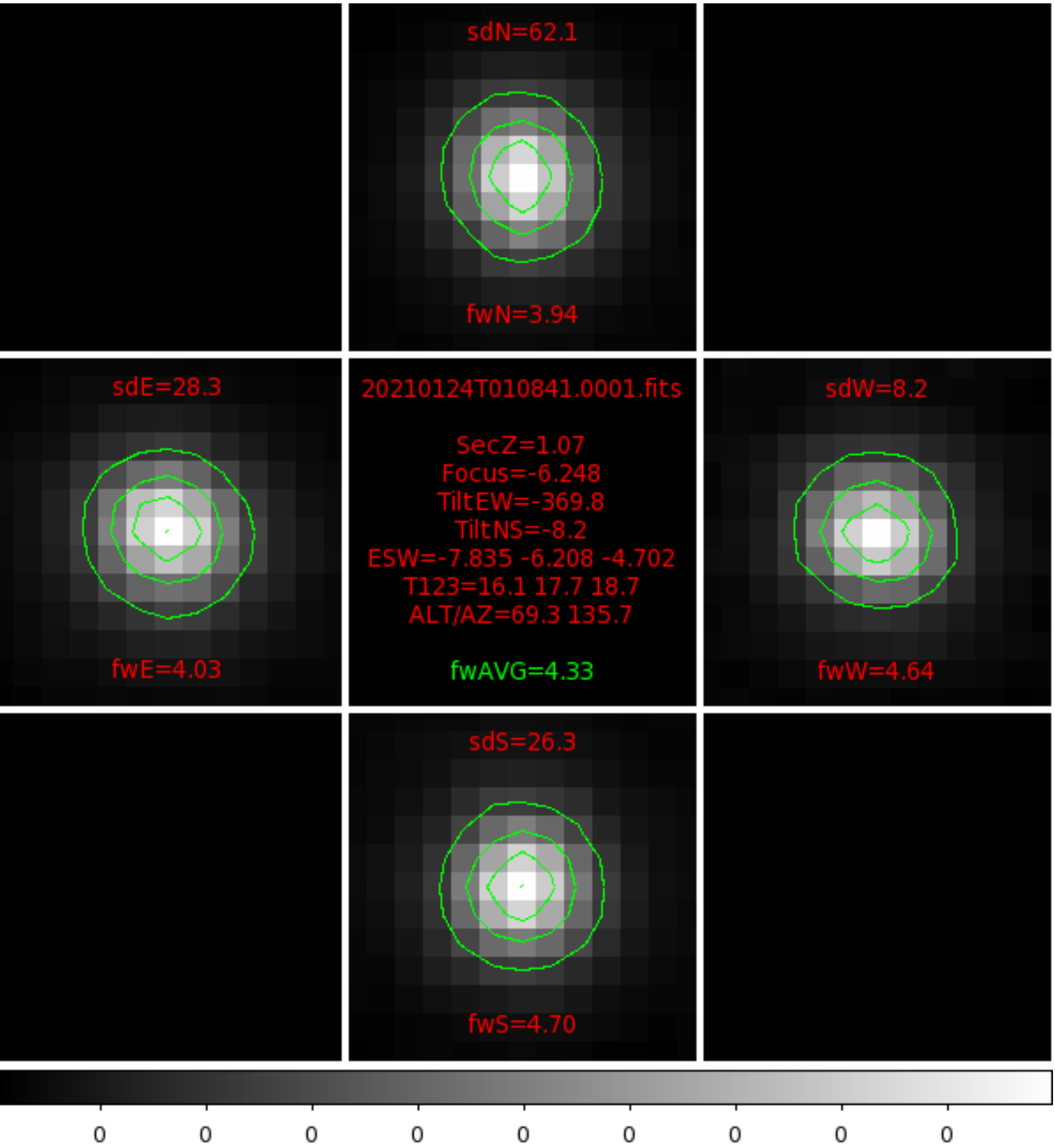
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SecZ=1.07
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TiltNS=-8.2
ESW=-7.835 -6.208 -4.702
T123=16.1 17.7 18.7
ALT/AZ=69.3 135.7
fwAVG=4.33
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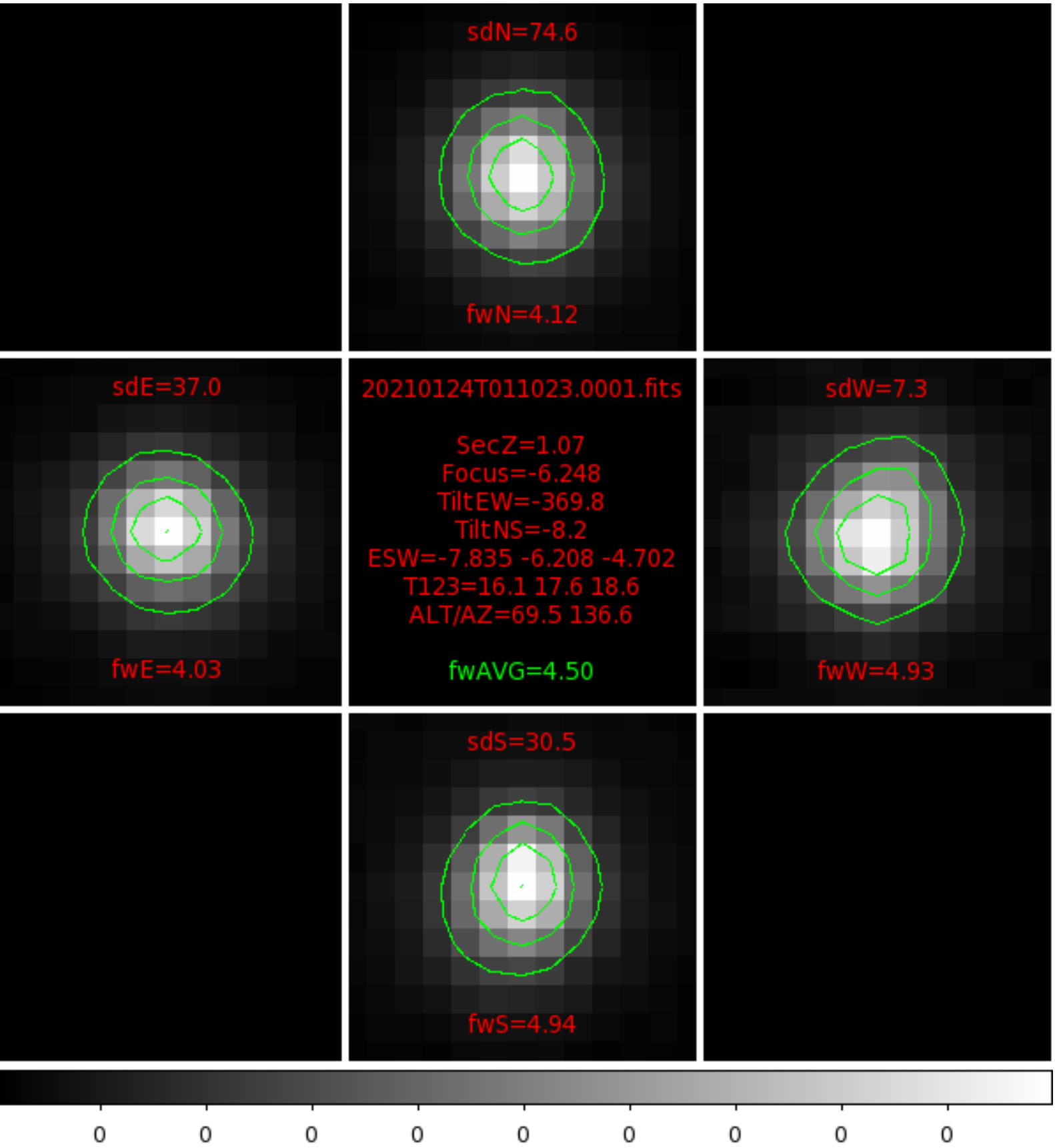
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20210124T011023.0001.fits
SecZ=1.07
Focus=-6.248
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.835 -6.208 -4.702
T123=16.1 17.6 18.6
ALT/AZ=69.5 136.6
fwAVG=4.50
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sdS=30.5
fwS=4.94
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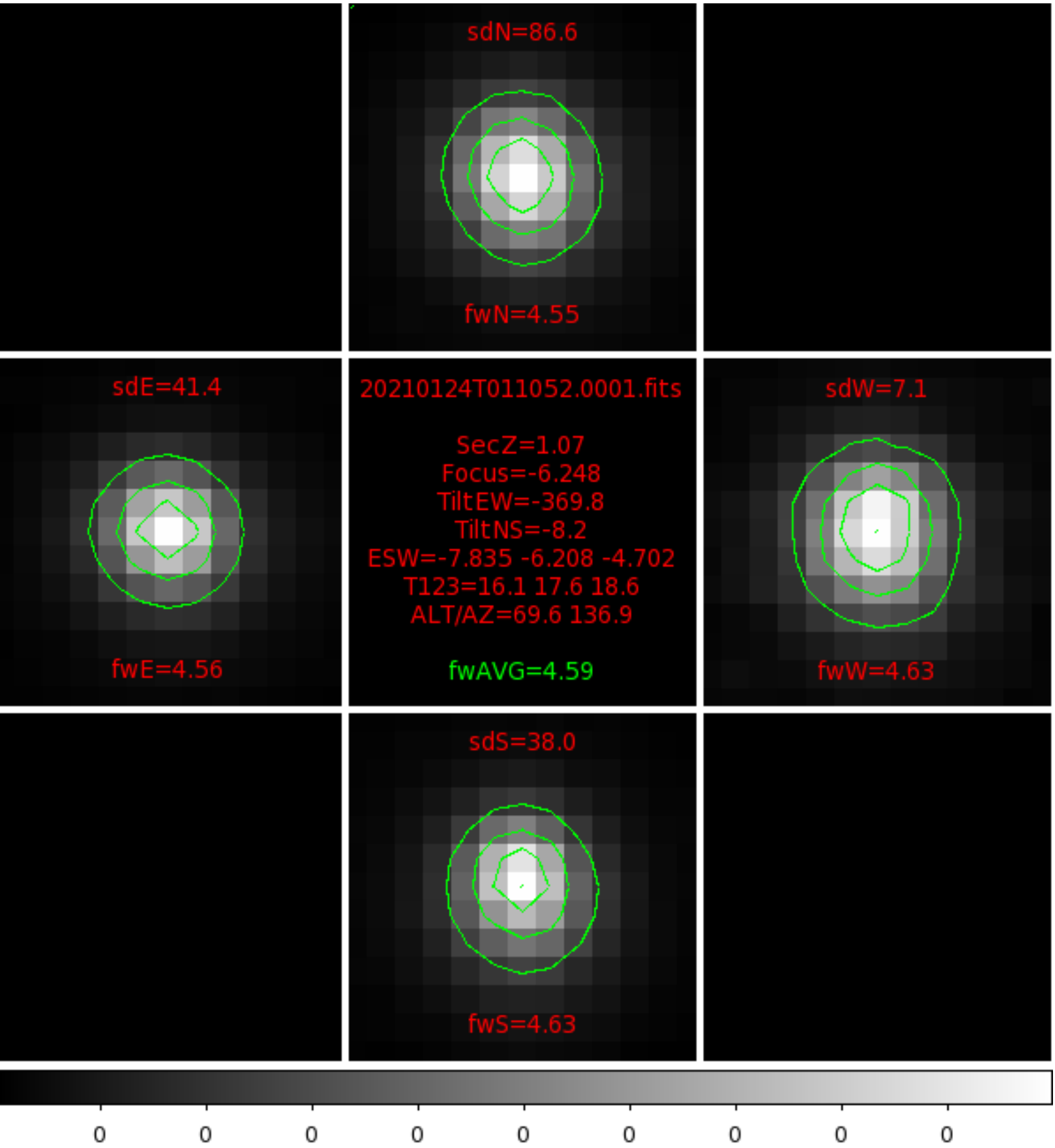
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sdE=41.4
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SecZ=1.07
Focus=-6.248
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.835 -6.208 -4.702
T123=16.1 17.6 18.6
ALT/AZ=69.6 136.9
fwAVG=4.59
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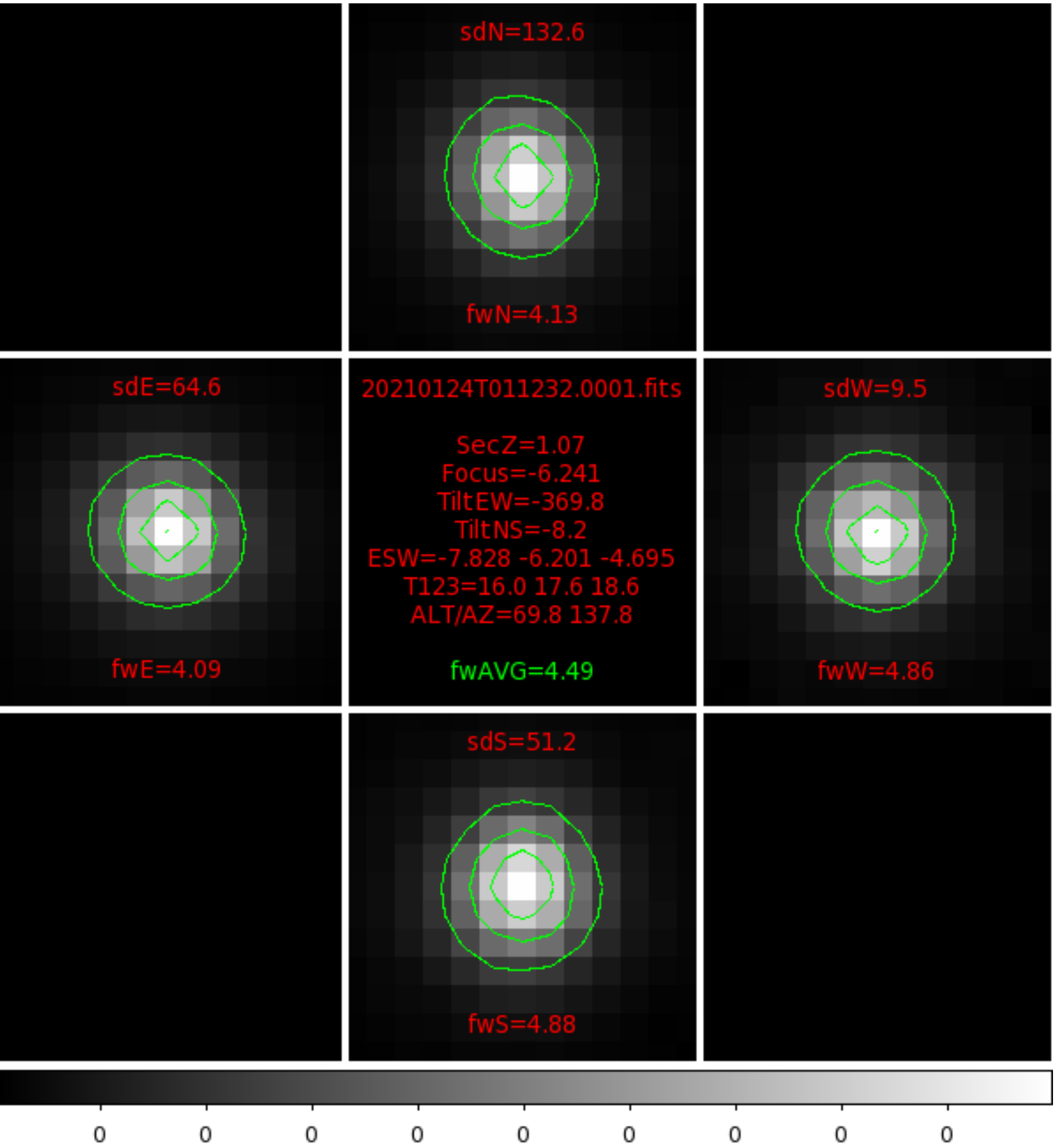
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SecZ=1.07
Focus=-6.241
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.828 -6.201 -4.695
T123=16.0 17.6 18.6
ALT/AZ=69.8 137.8
fwAVG=4.49
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sdS=51.2
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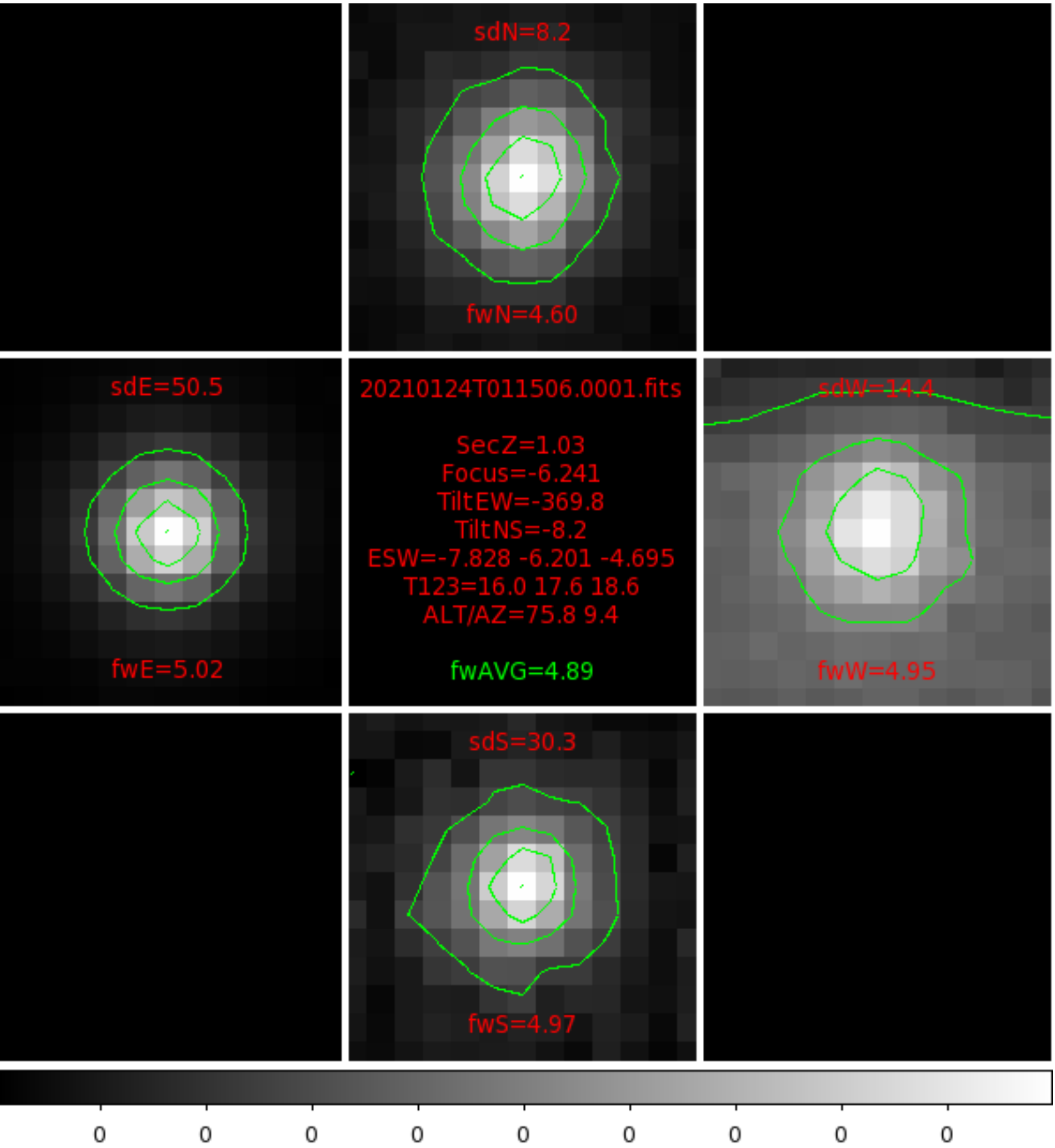
sdN=8.2
fwN=4.60
sdE=50.5
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SecZ=1.03
Focus=-6.241
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.828 -6.201 -4.695
T123=16.0 17.6 18.6
ALT/AZ=75.8 9.4
fwAVG=4.89
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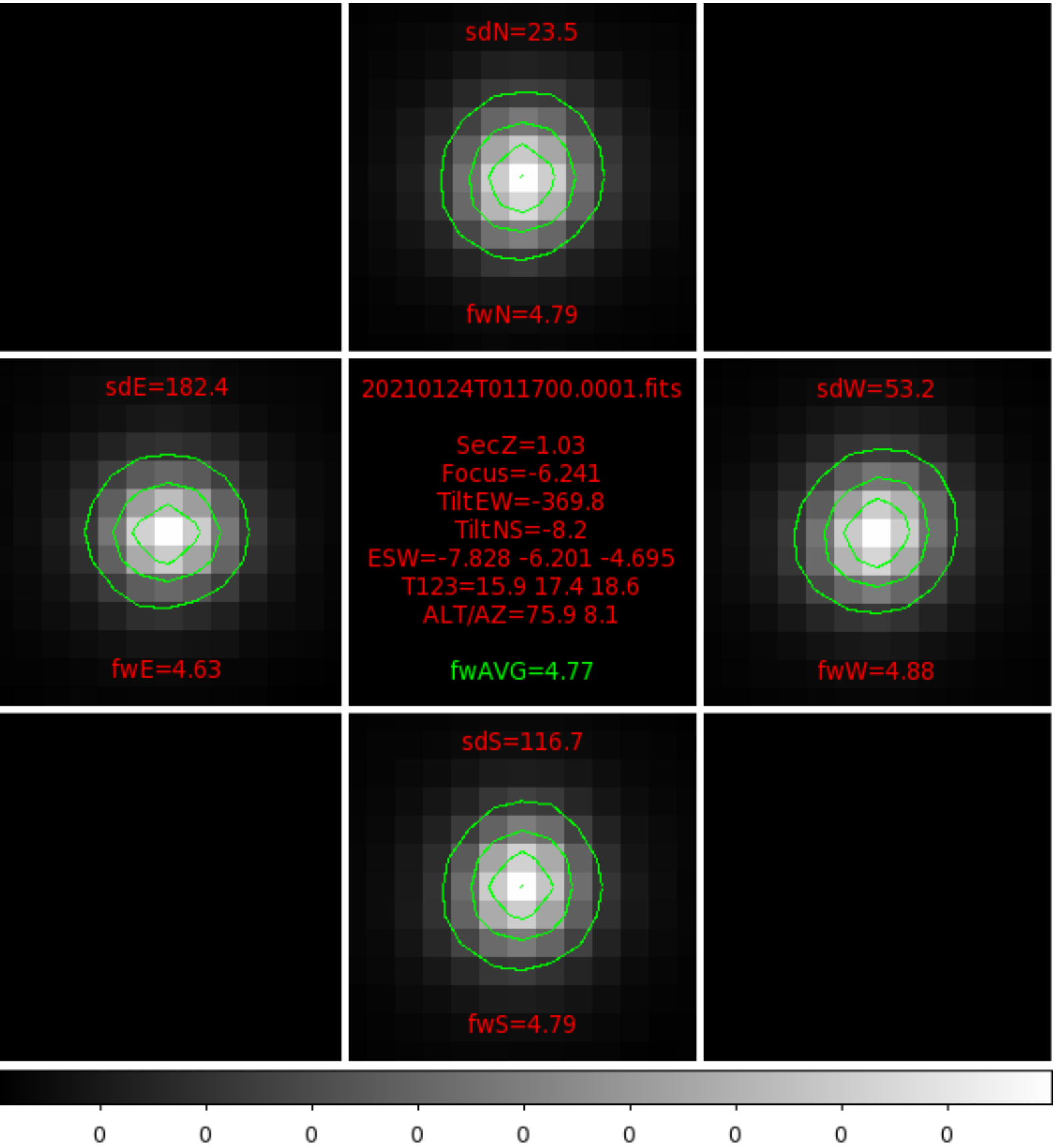
sdN=23.5
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SecZ=1.03
Focus=-6.241
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.828 -6.201 -4.695
T123=15.9 17.4 18.6
ALT/AZ=75.9 8.1
fwAVG=4.77
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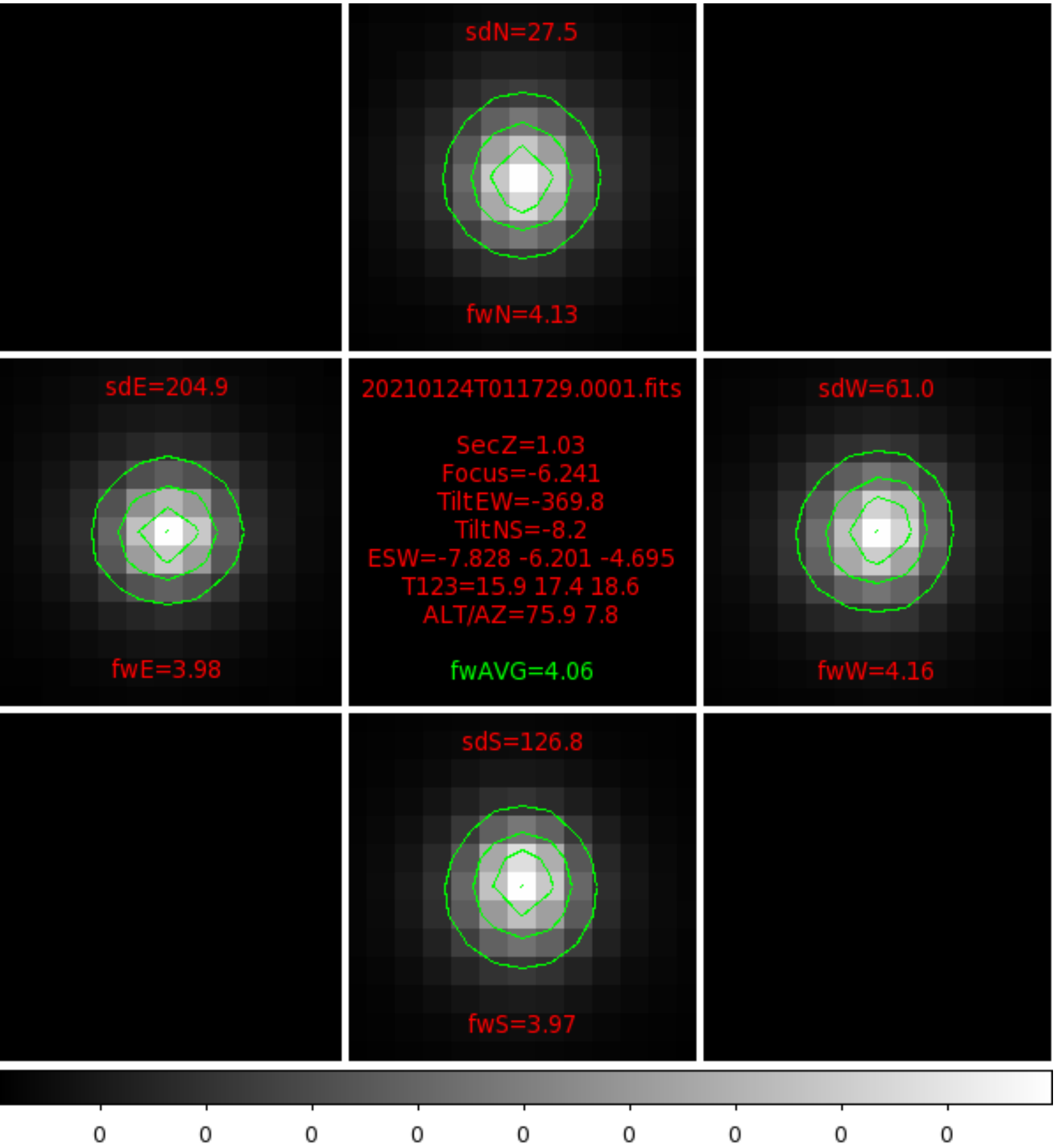
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SecZ=1.03
Focus=-6.241
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.828 -6.201 -4.695
T123=15.9 17.4 18.6
ALT/AZ=75.9 7.8
fwAVG=4.06
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sdS=126.8
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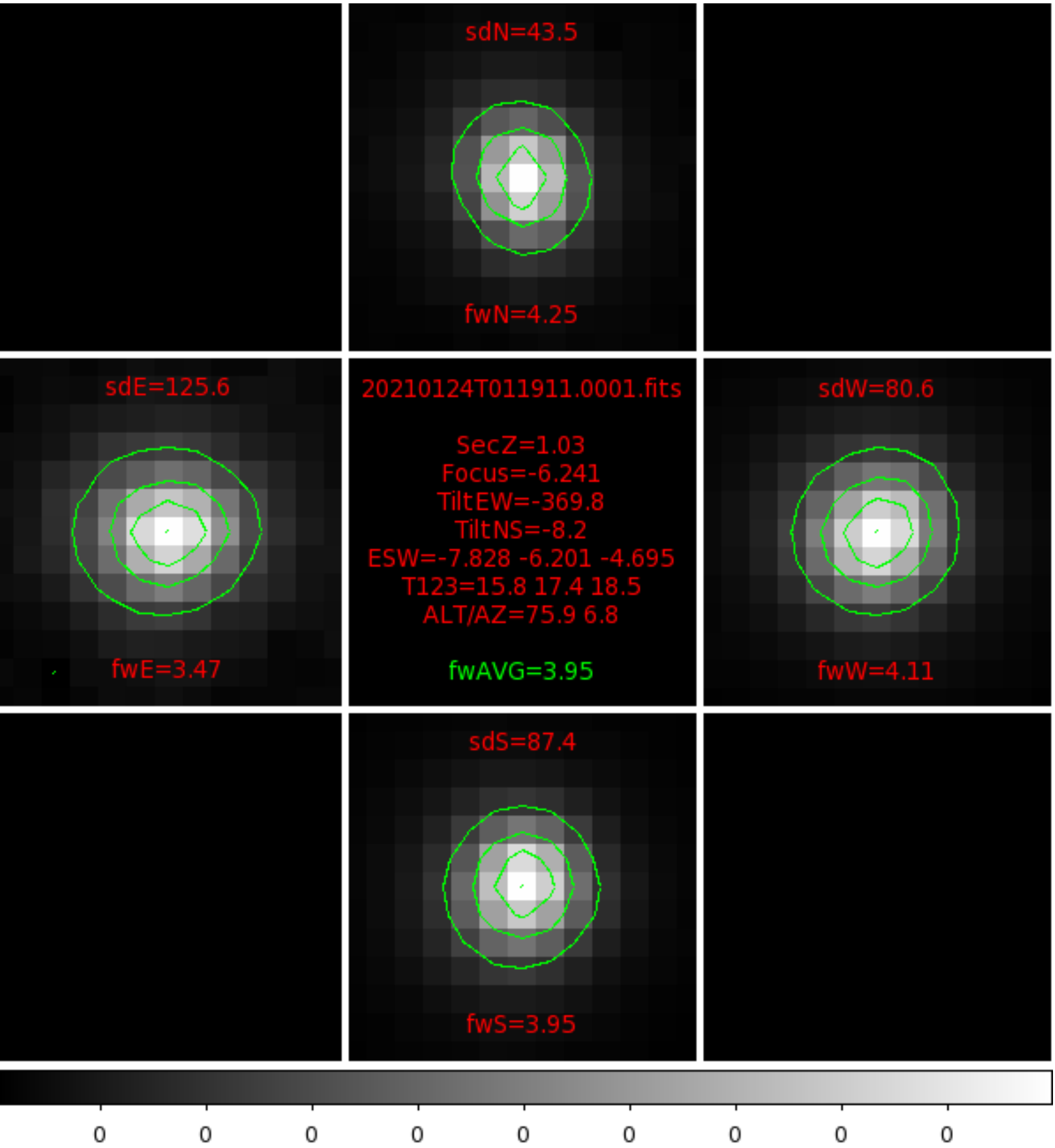
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SecZ=1.03
Focus=-6.241
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TiltNS=-8.2
ESW=-7.828 -6.201 -4.695
T123=15.8 17.4 18.5
ALT/AZ=75.9 6.8
fwAVG=3.95
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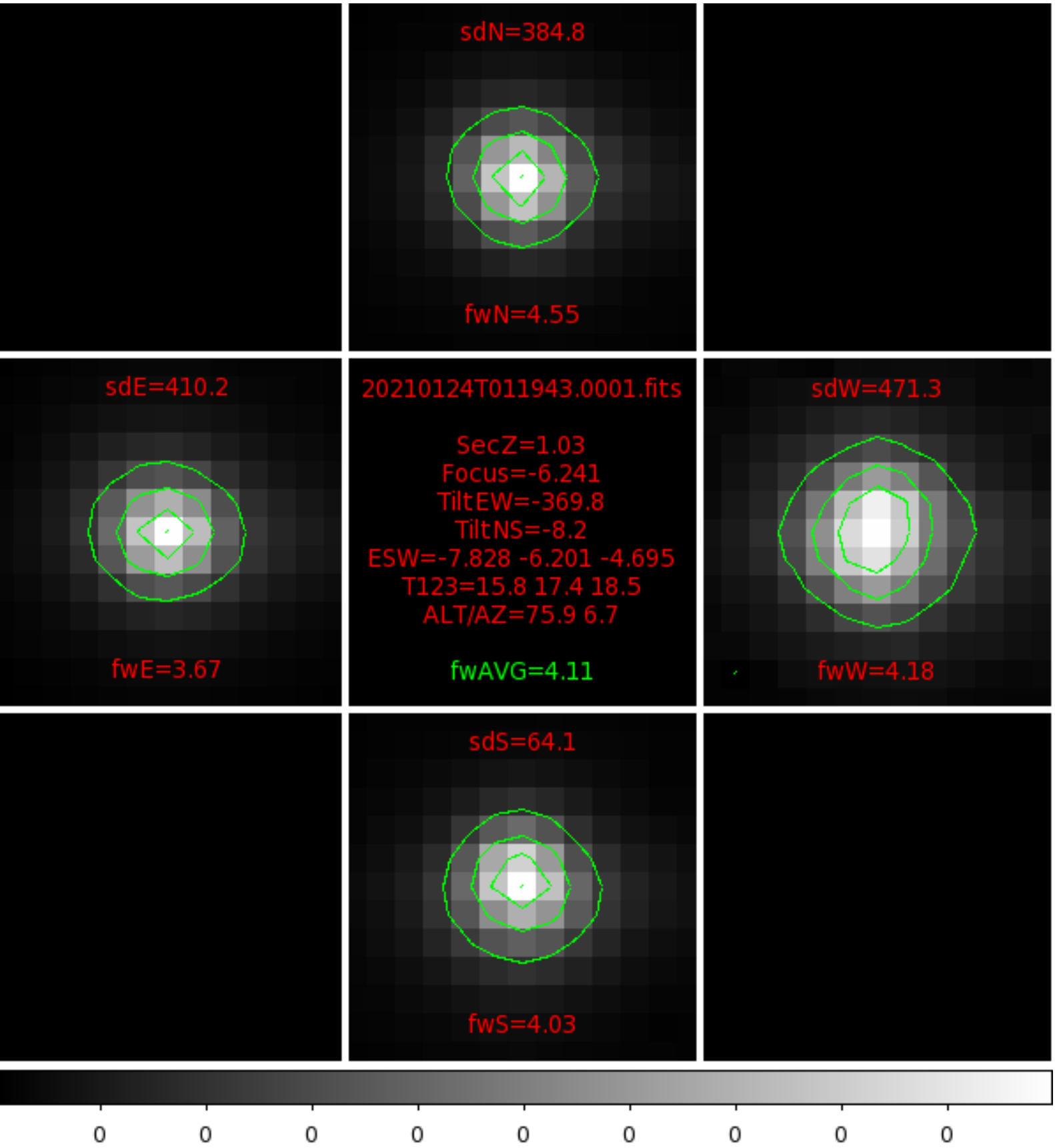
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SecZ=1.03
Focus=-6.241
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.828 -6.201 -4.695
T123=15.8 17.4 18.5
ALT/AZ=75.9 6.7
fwAVG=4.11
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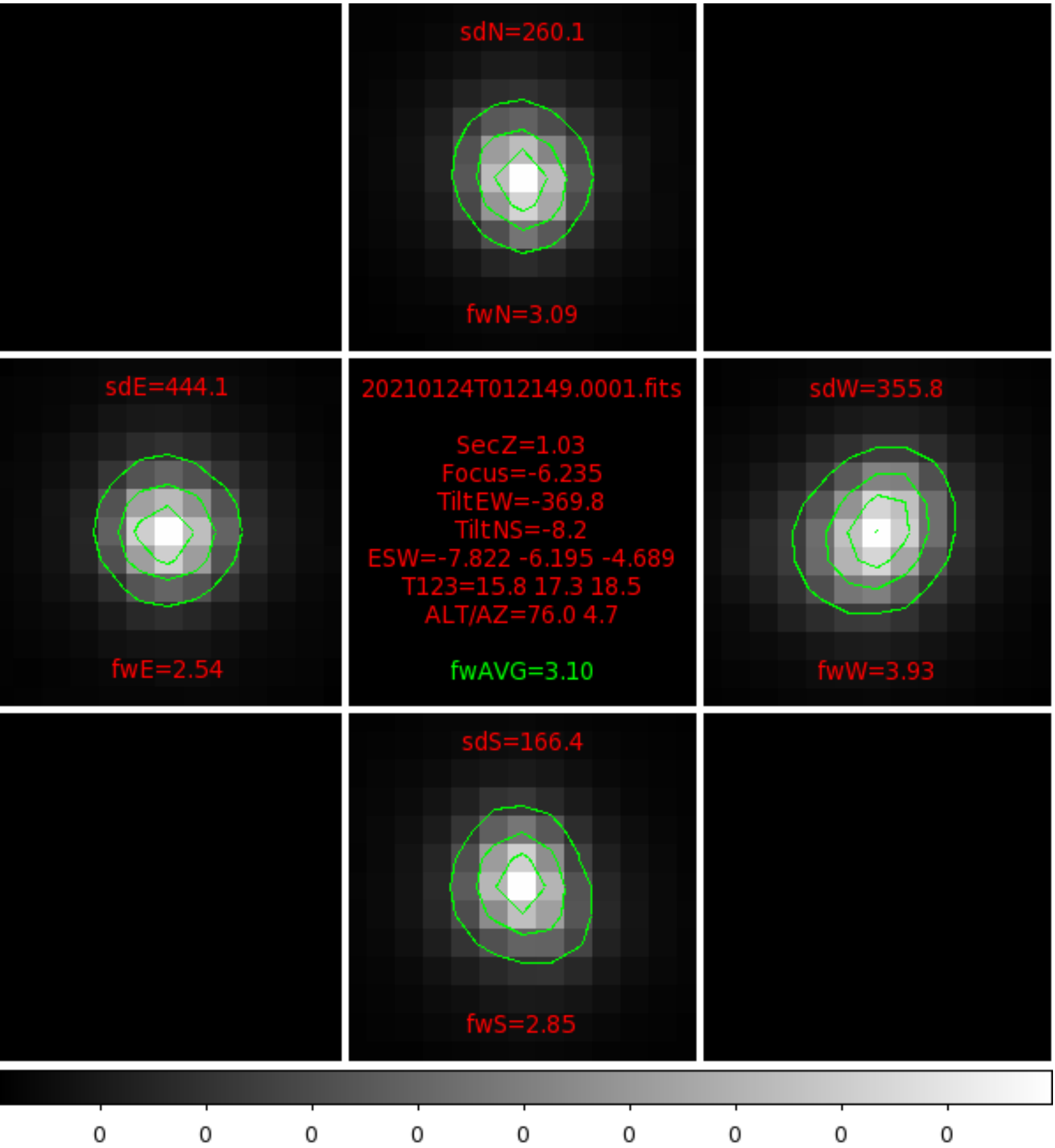
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sdE=444.1
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SecZ=1.03
Focus=-6.235
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.822 -6.195 -4.689
T123=15.8 17.3 18.5
ALT/AZ=76.0 4.7
fwAVG=3.10
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sdS=166.4
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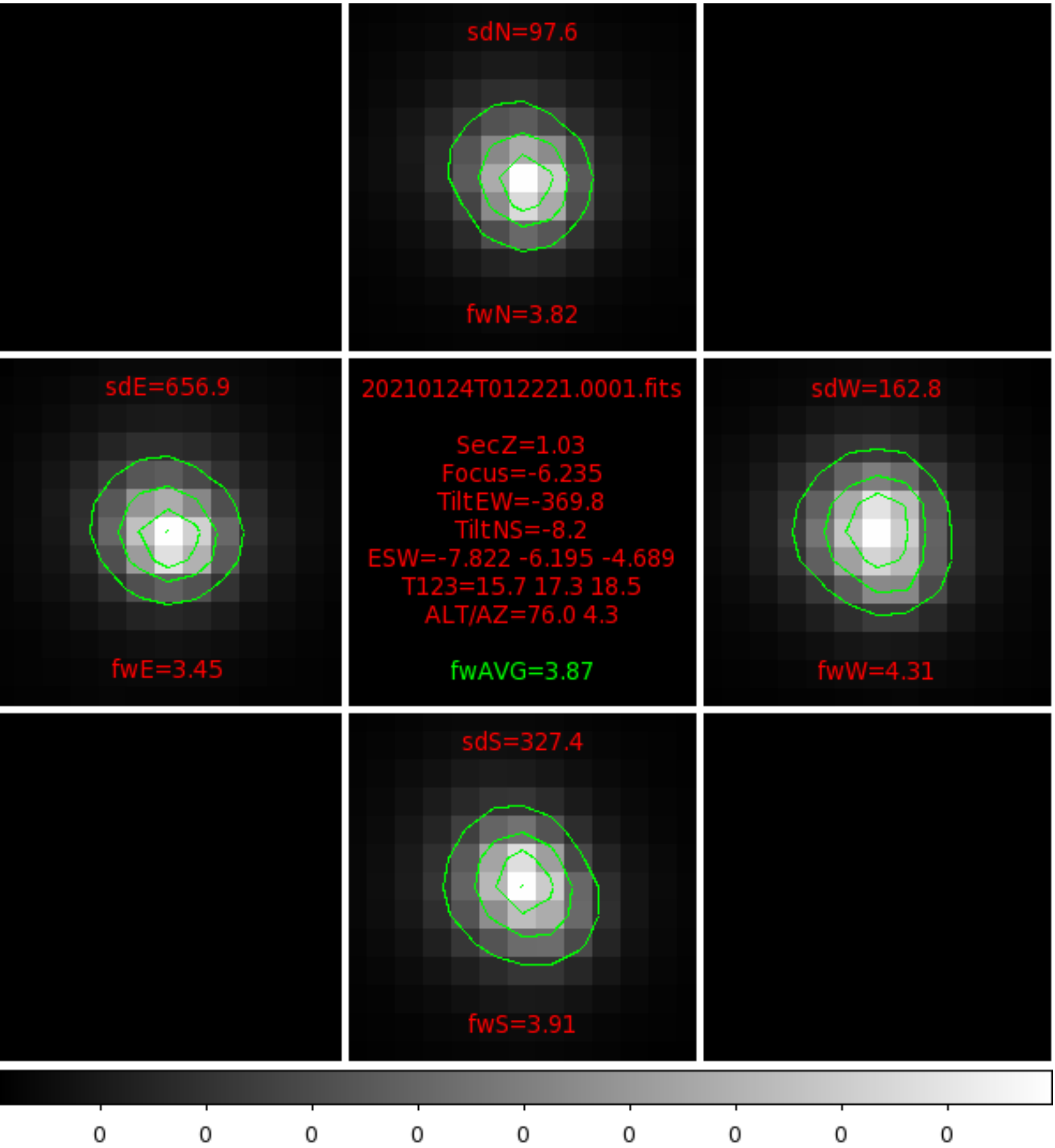
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SecZ=1.03
Focus=-6.235
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.822 -6.195 -4.689
T123=15.7 17.3 18.5
ALT/AZ=76.0 4.3
fwAVG=3.87
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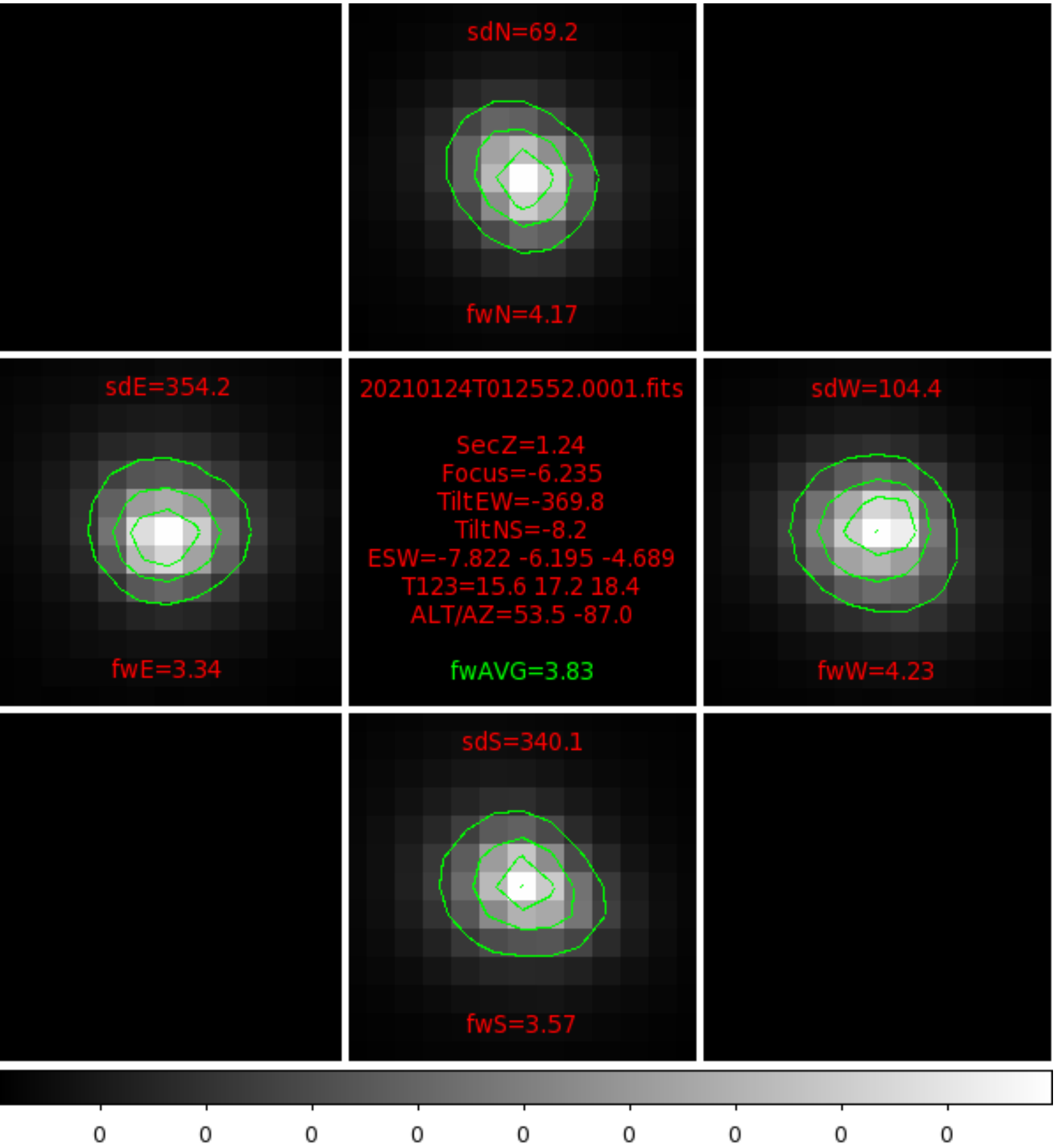
sdN=69.2
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SecZ=1.24
Focus=-6.235
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.822 -6.195 -4.689
T123=15.6 17.2 18.4
ALT/AZ=53.5 -87.0
fwAVG=3.83
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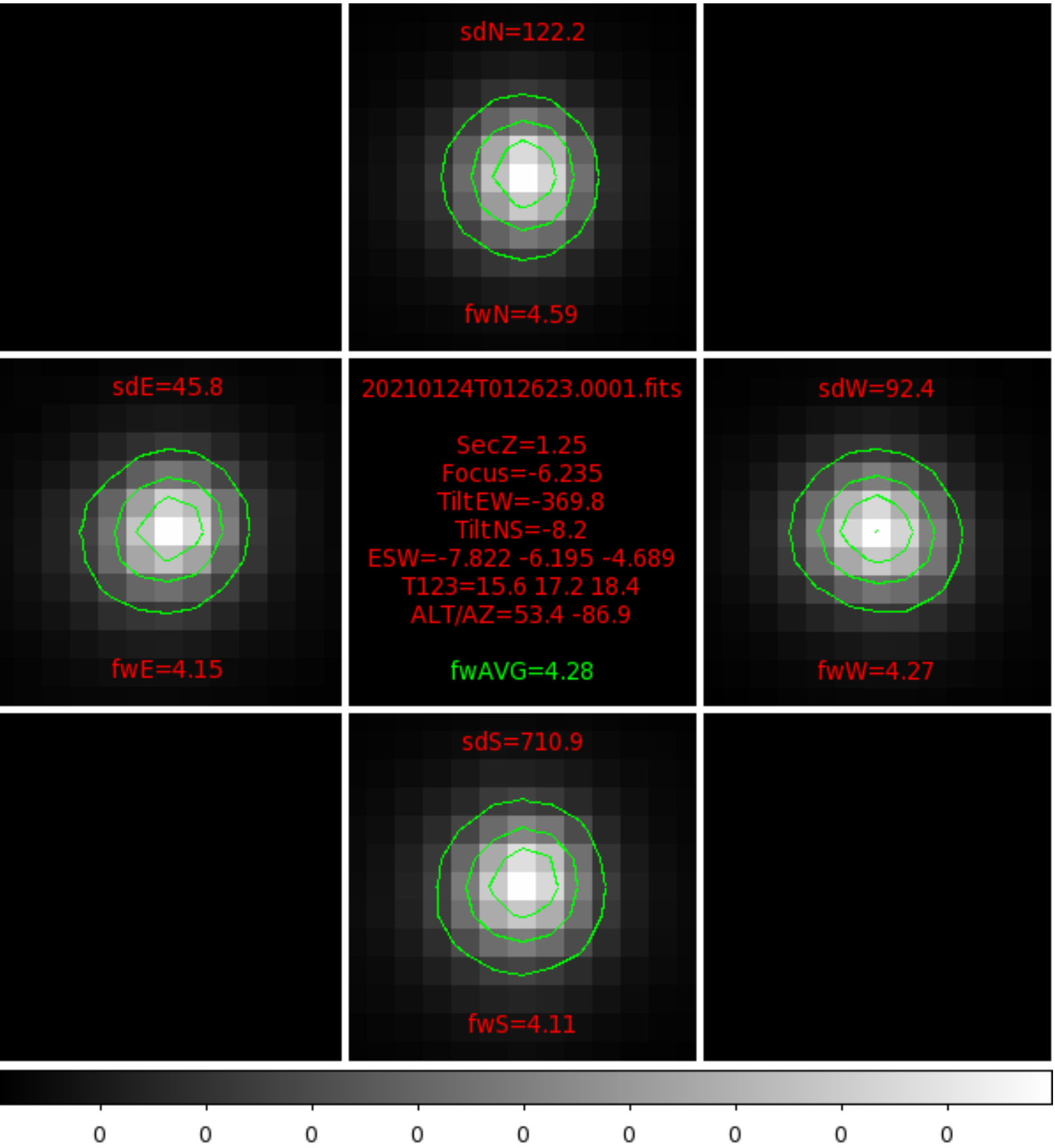
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SecZ=1.25
Focus=-6.235
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.822 -6.195 -4.689
T123=15.6 17.2 18.4
ALT/AZ=53.4 -86.9
fwAVG=4.28
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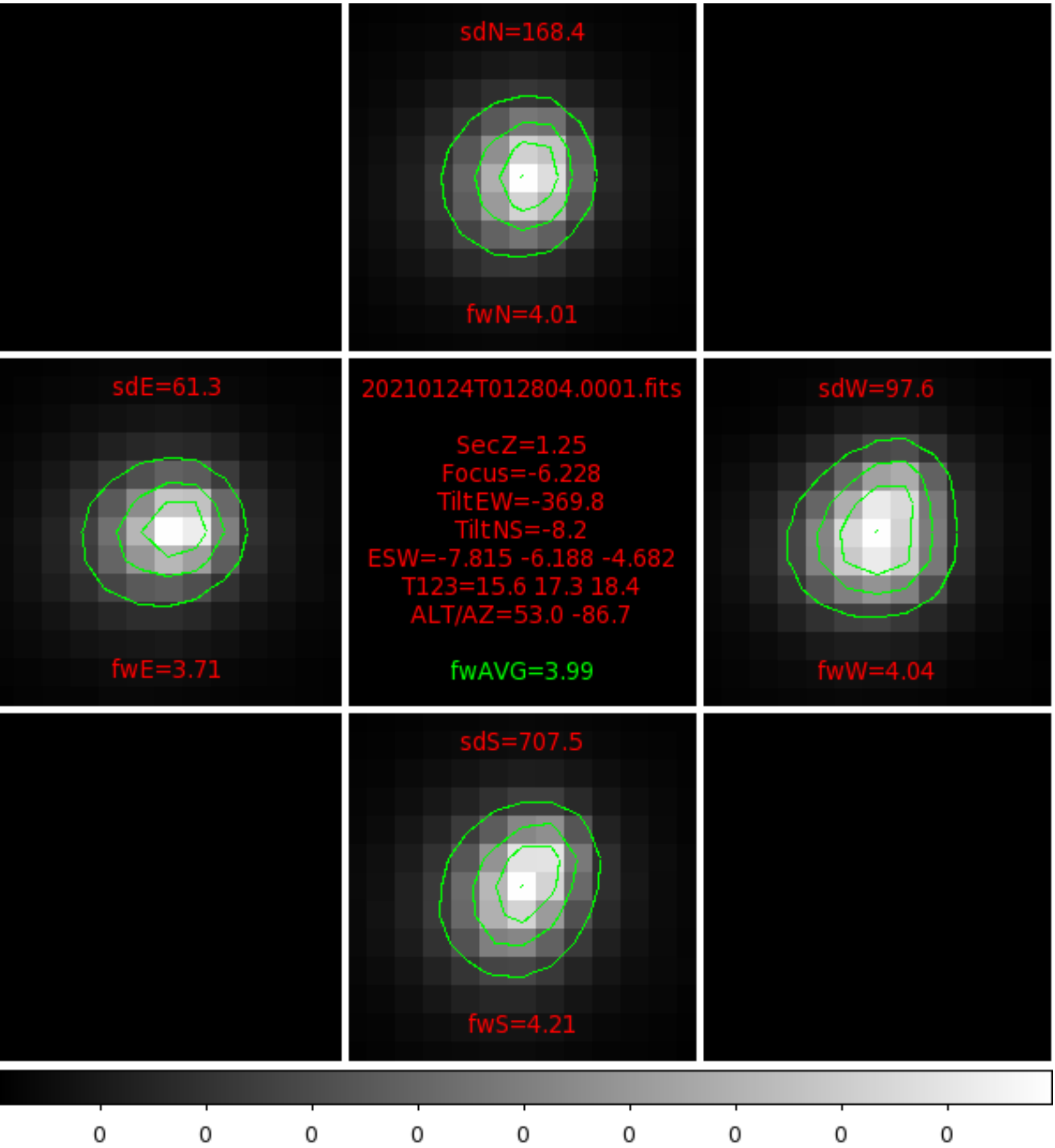
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SecZ=1.25
Focus=-6.228
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.815 -6.188 -4.682
T123=15.6 17.3 18.4
ALT/AZ=53.0 -86.7
fwAVG=3.99
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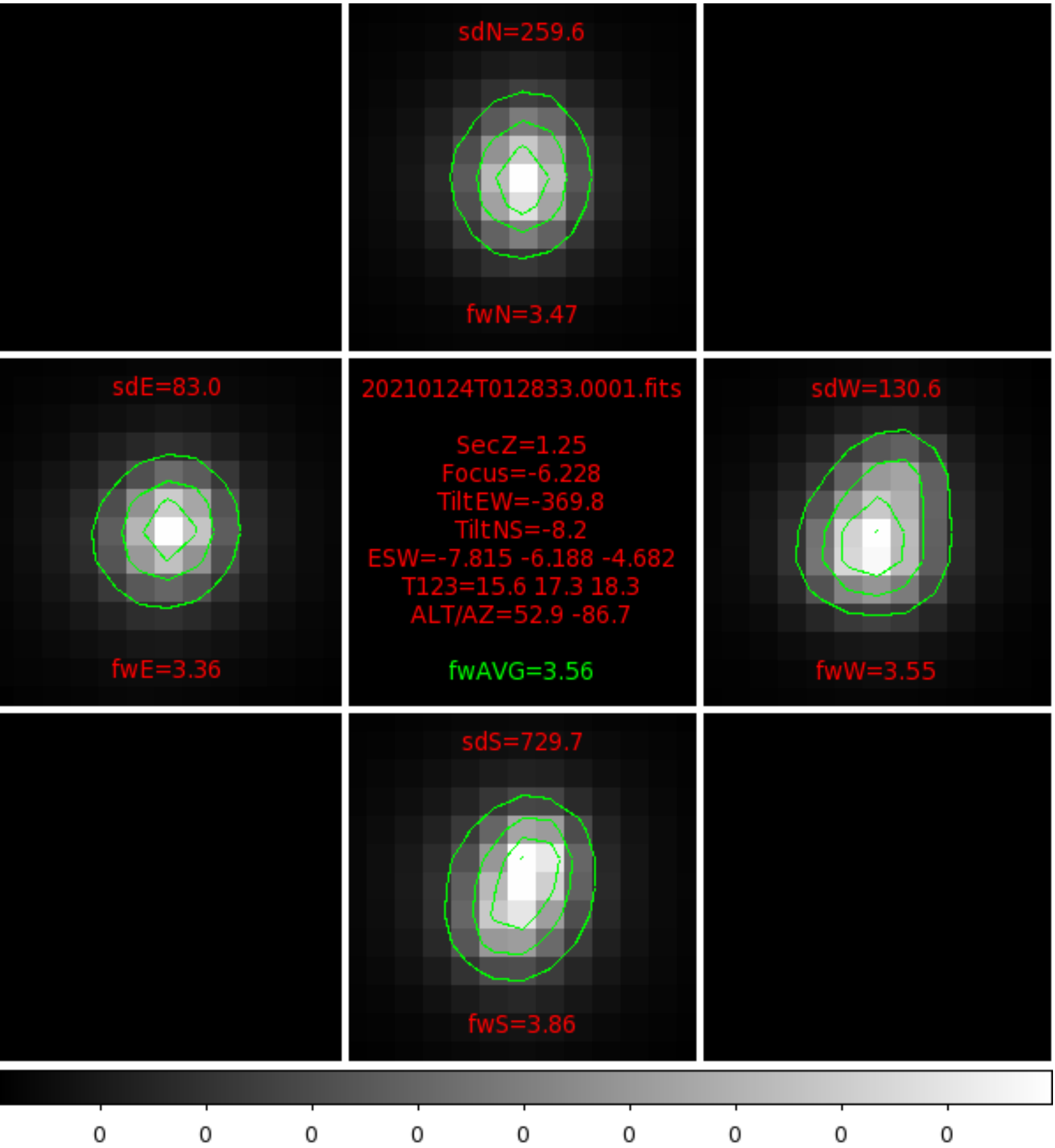
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SecZ=1.25
Focus=-6.228
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.815 -6.188 -4.682
T123=15.6 17.3 18.3
ALT/AZ=52.9 -86.7
fwAVG=3.56
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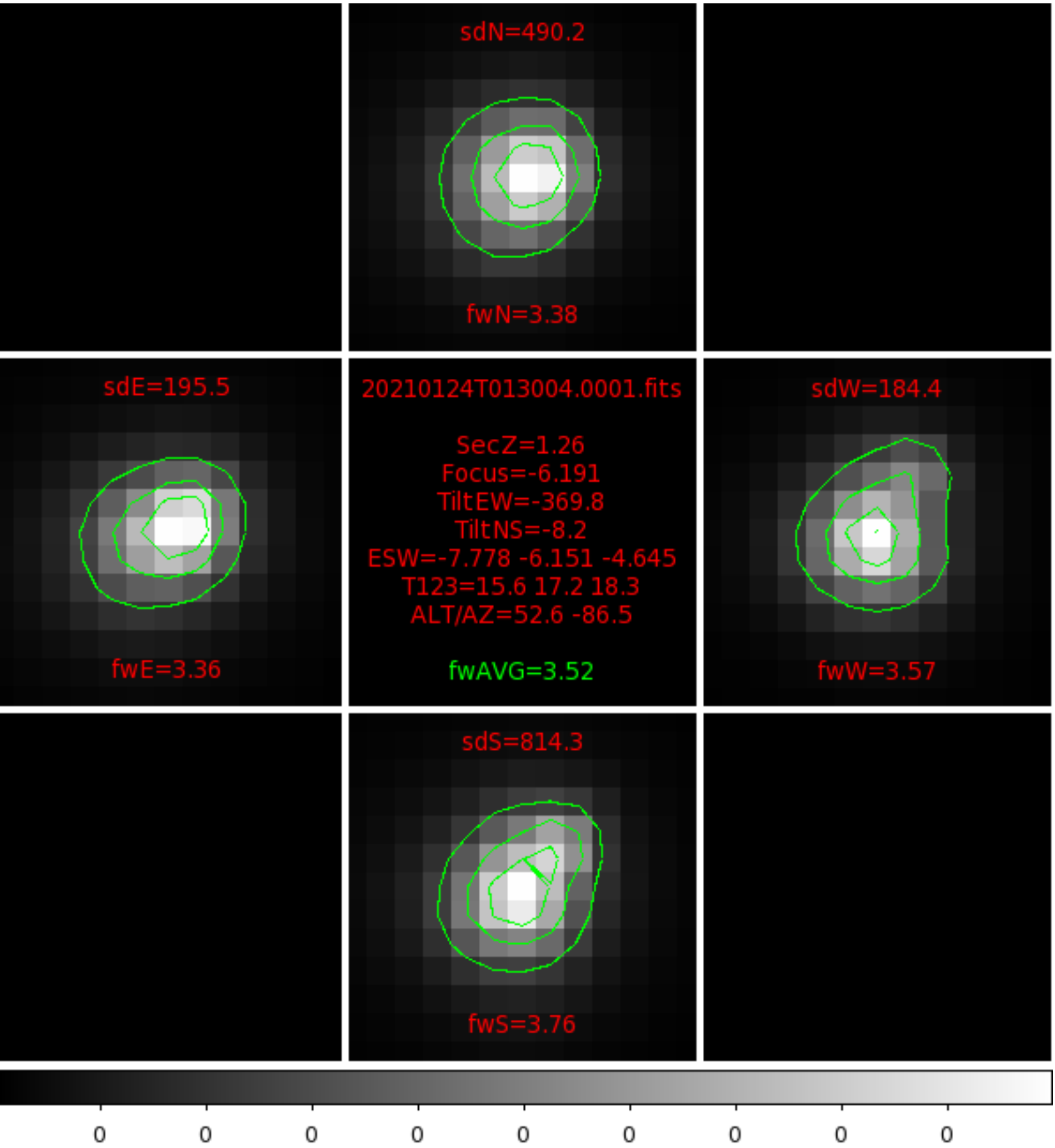
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SecZ=1.26
Focus=-6.191
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.778 -6.151 -4.645
T123=15.6 17.2 18.3
ALT/AZ=52.6 -86.5
fwAVG=3.52
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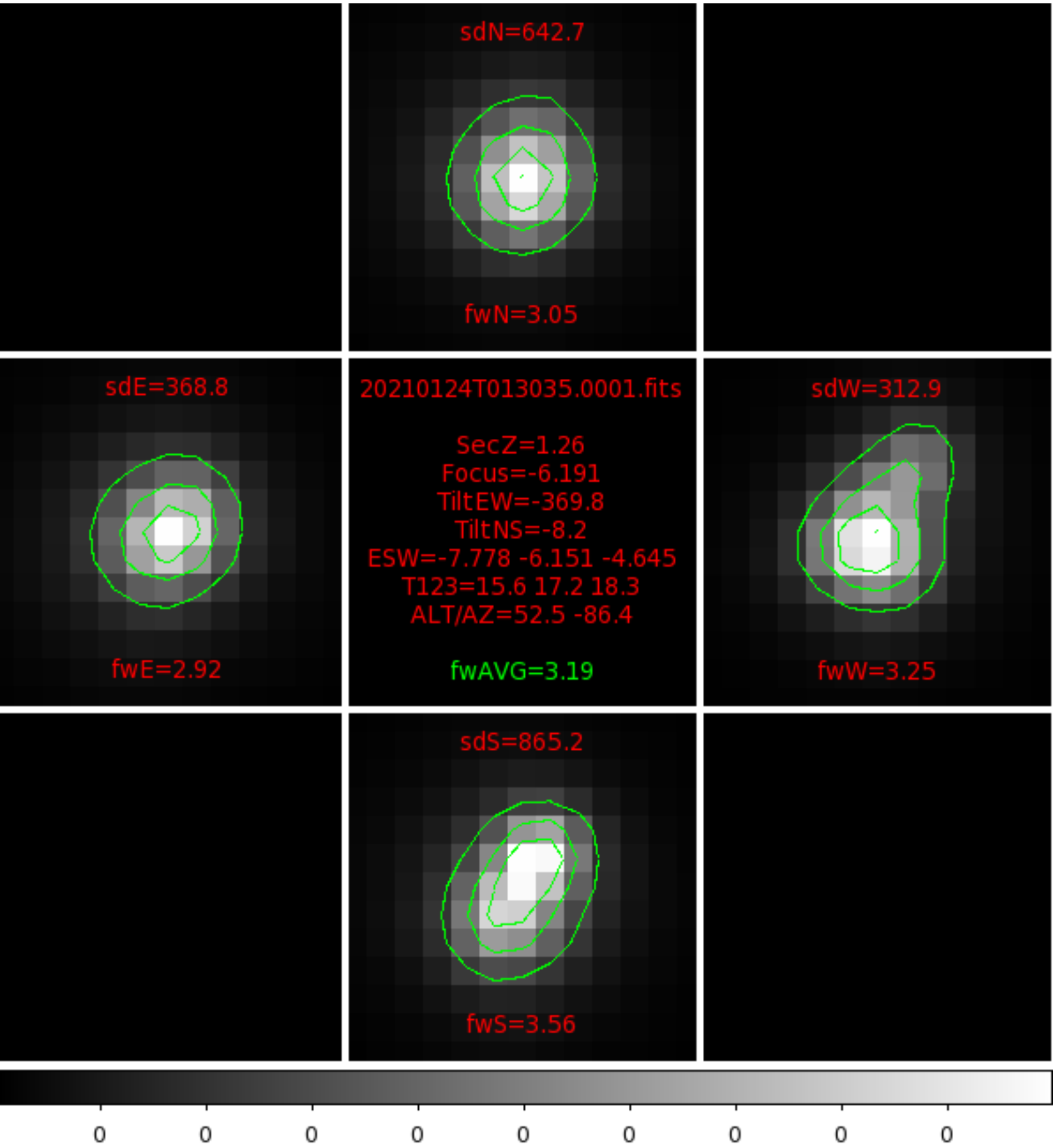
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sdE=368.8
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SecZ=1.26
Focus=-6.191
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.778 -6.151 -4.645
T123=15.6 17.2 18.3
ALT/AZ=52.5 -86.4
fwAVG=3.19
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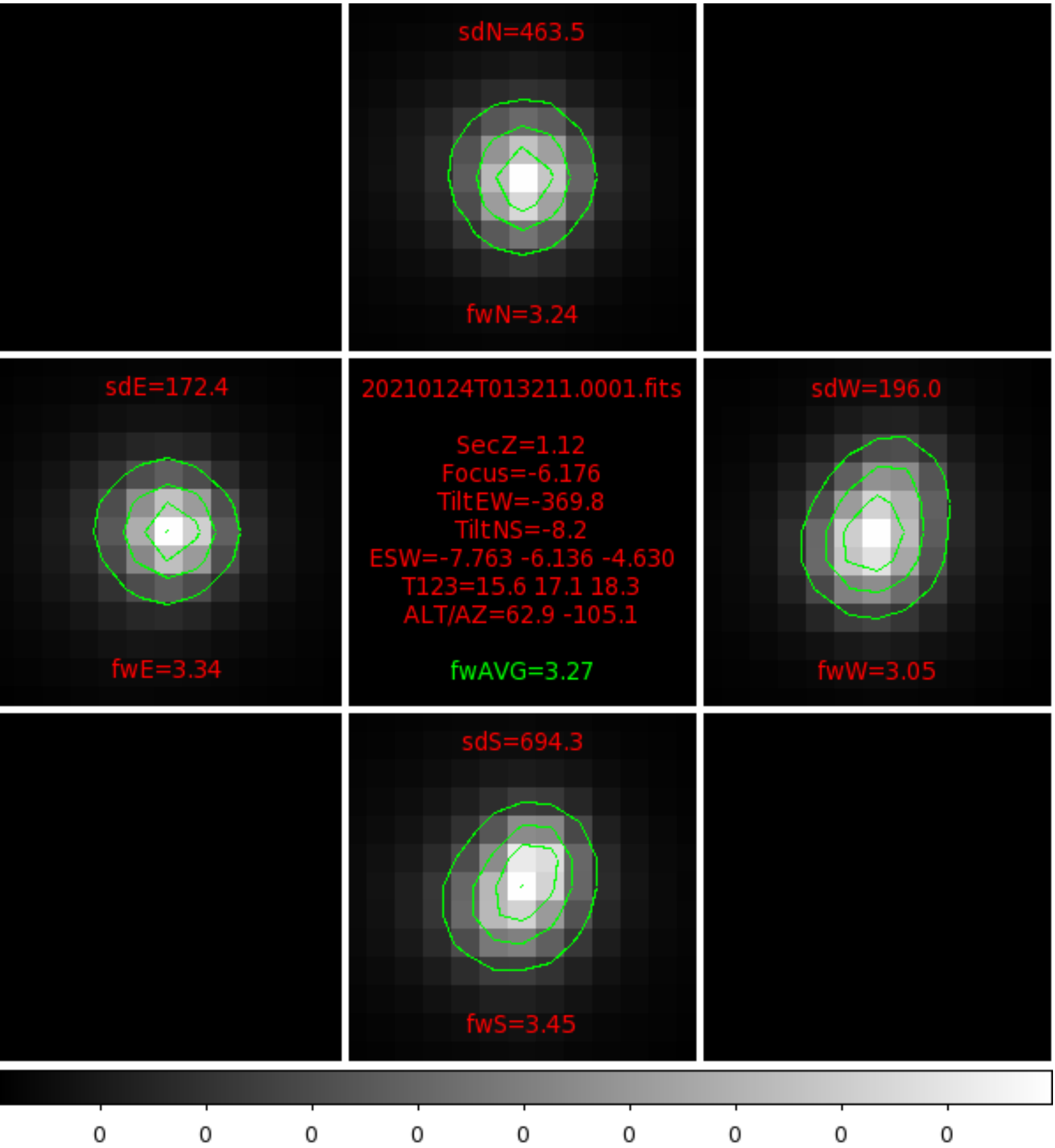
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sdE=172.4
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SecZ=1.12
Focus=-6.176
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.763 -6.136 -4.630
T123=15.6 17.1 18.3
ALT/AZ=62.9 -105.1
fwAVG=3.27
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sdS=694.3
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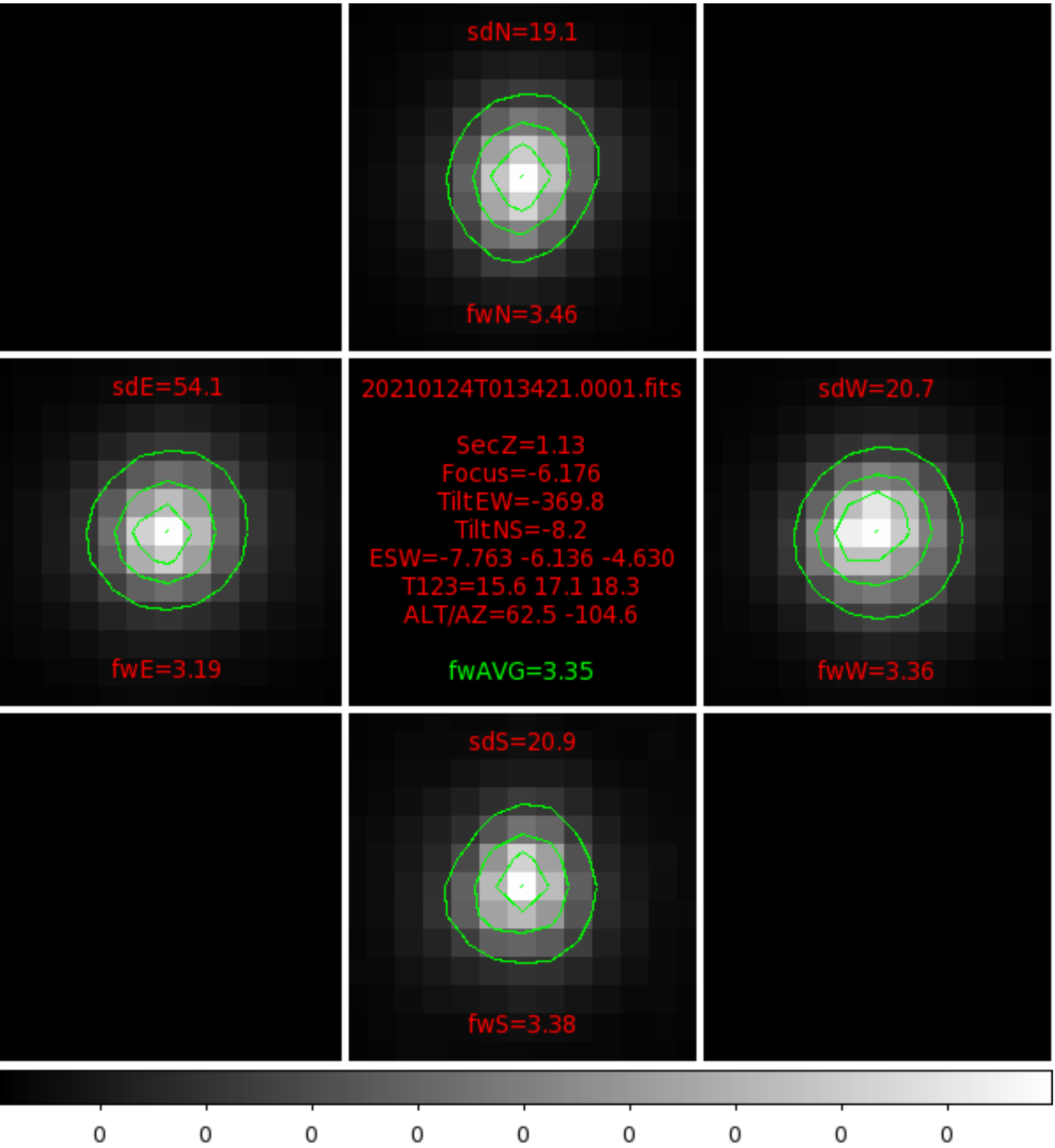
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fwE=3.19
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SecZ=1.13
Focus=-6.176
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.763 -6.136 -4.630
T123=15.6 17.1 18.3
ALT/AZ=62.5 -104.6
fwAVG=3.35
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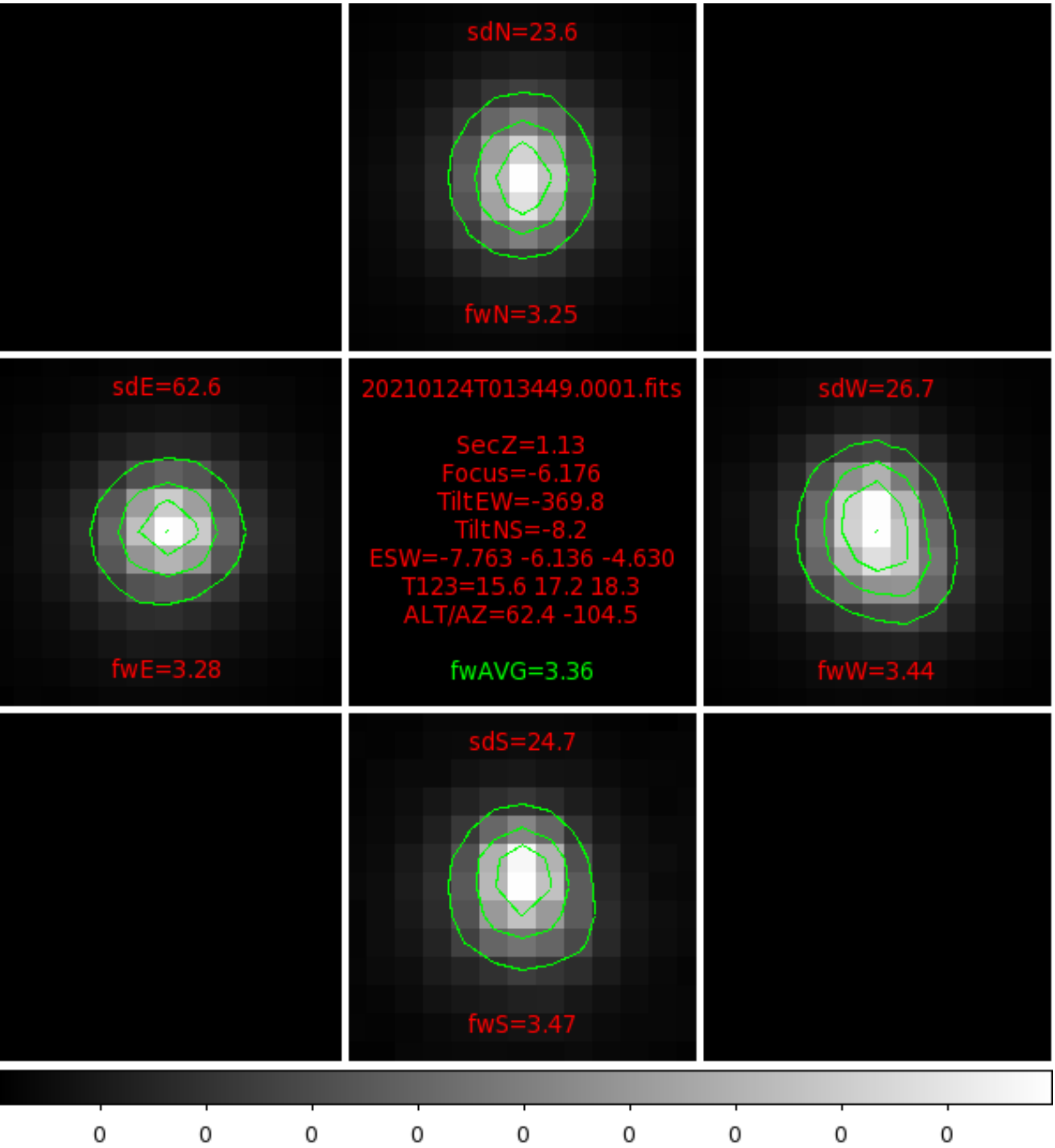
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20210124T013449.0001.fits
SecZ=1.13
Focus=-6.176
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TiltNS=-8.2
ESW=-7.763 -6.136 -4.630
T123=15.6 17.2 18.3
ALT/AZ=62.4 -104.5
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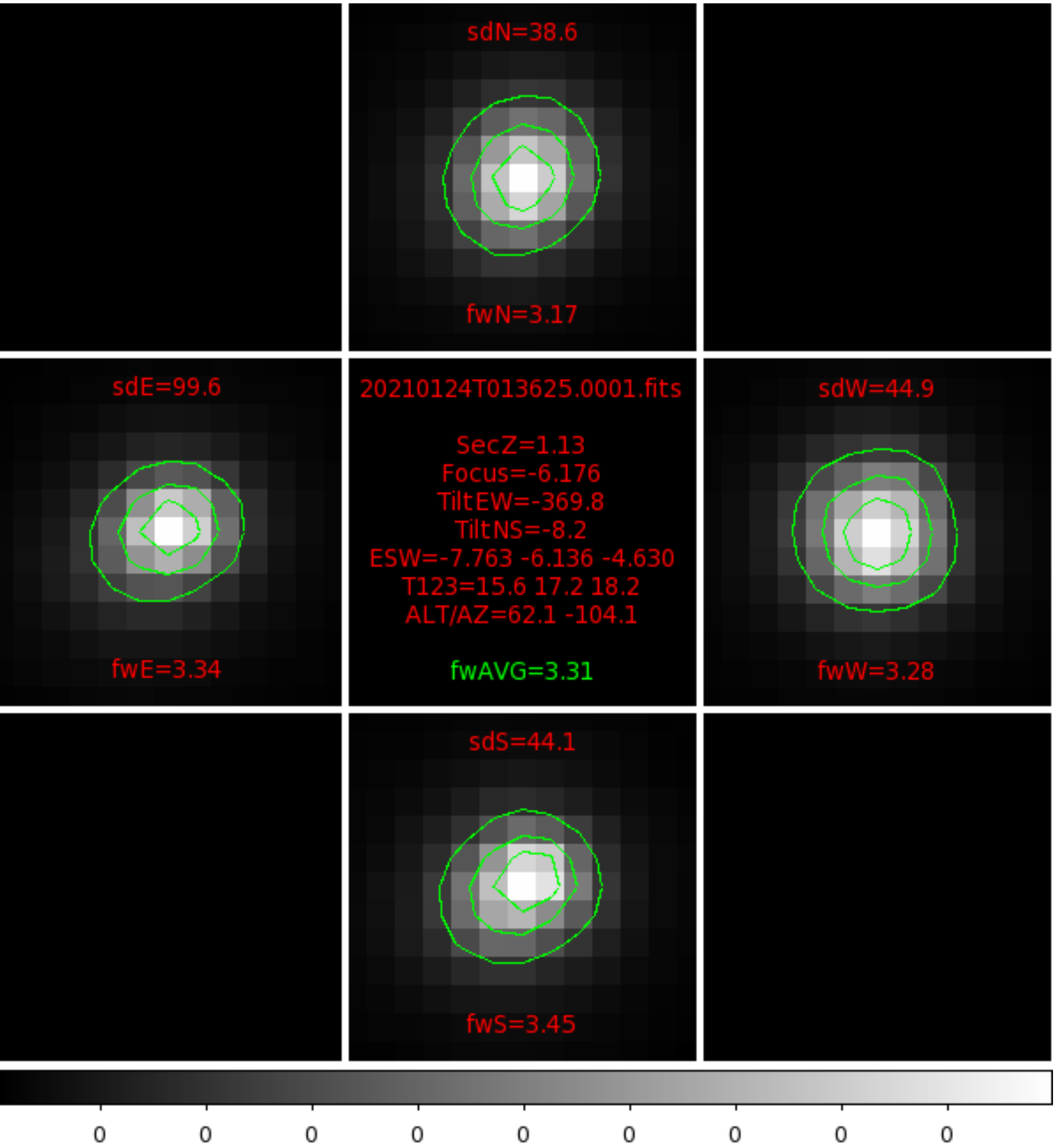
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SecZ=1.13
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.763 -6.136 -4.630
T123=15.6 17.2 18.2
ALT/AZ=62.1 -104.1
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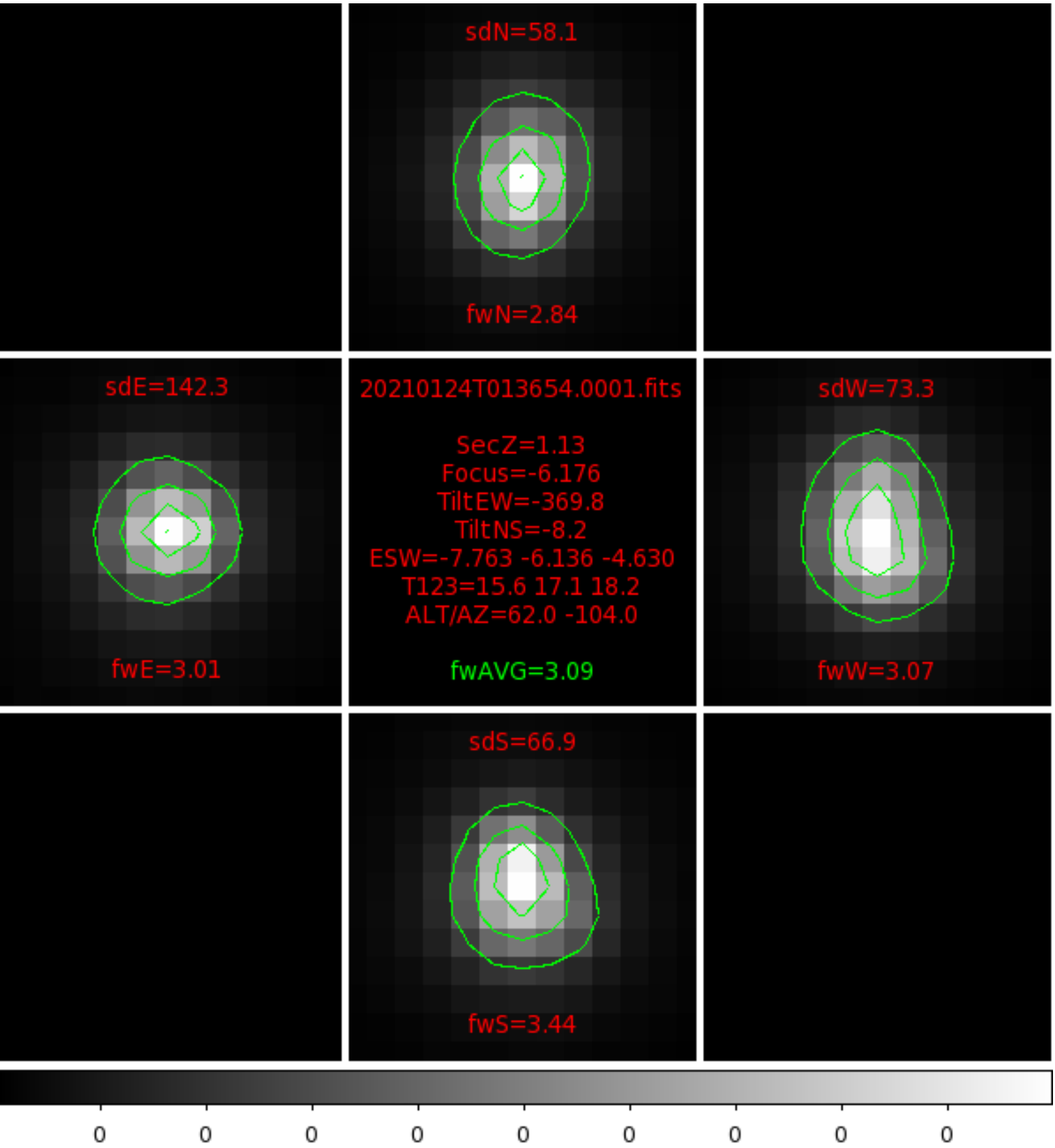
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SecZ=1.13
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TiltNS=-8.2
ESW=-7.763 -6.136 -4.630
T123=15.6 17.1 18.2
ALT/AZ=62.0 -104.0
fwAVG=3.09
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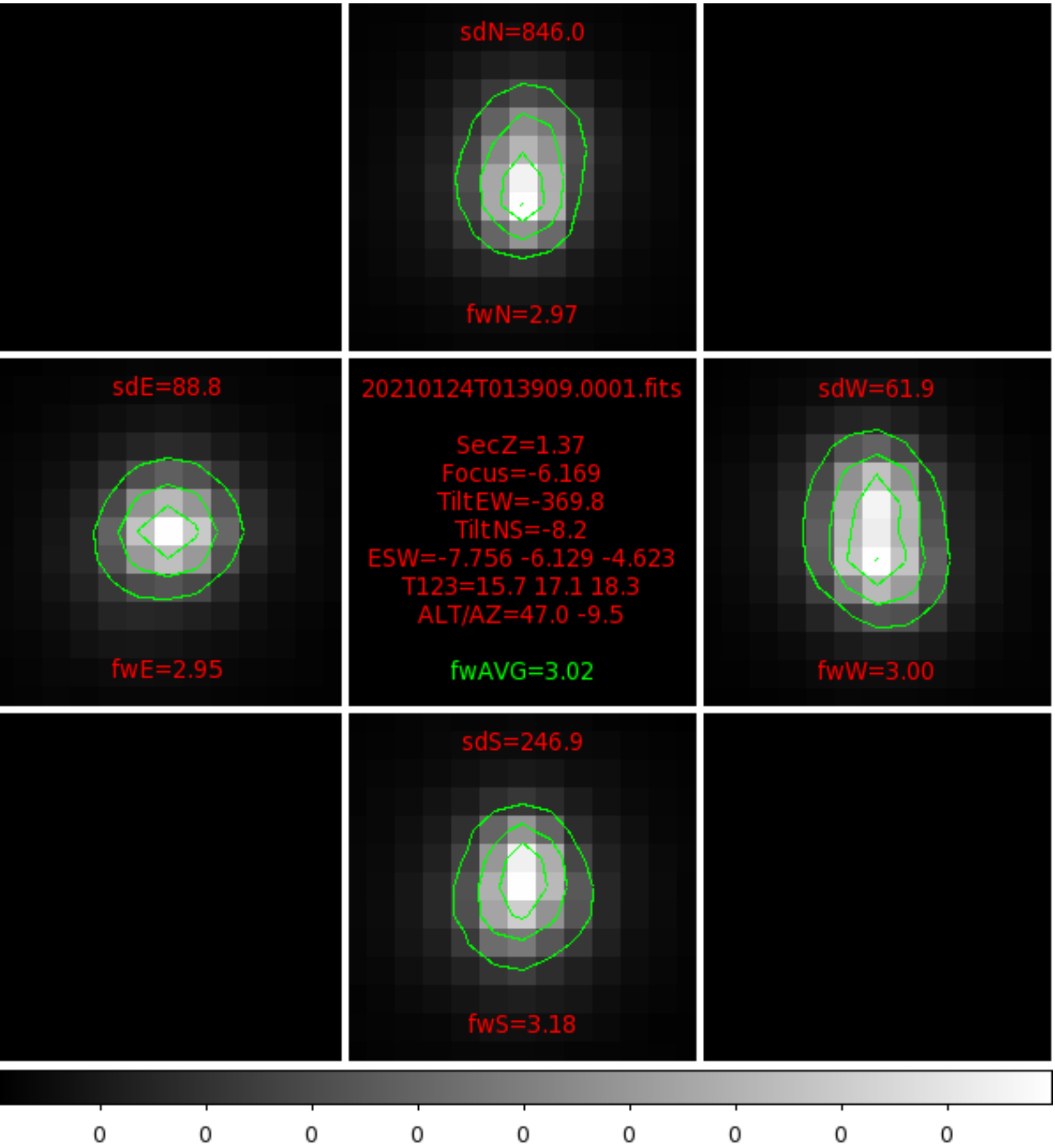
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=15.7 17.1 18.3
ALT/AZ=47.0 -9.5
fwAVG=3.02
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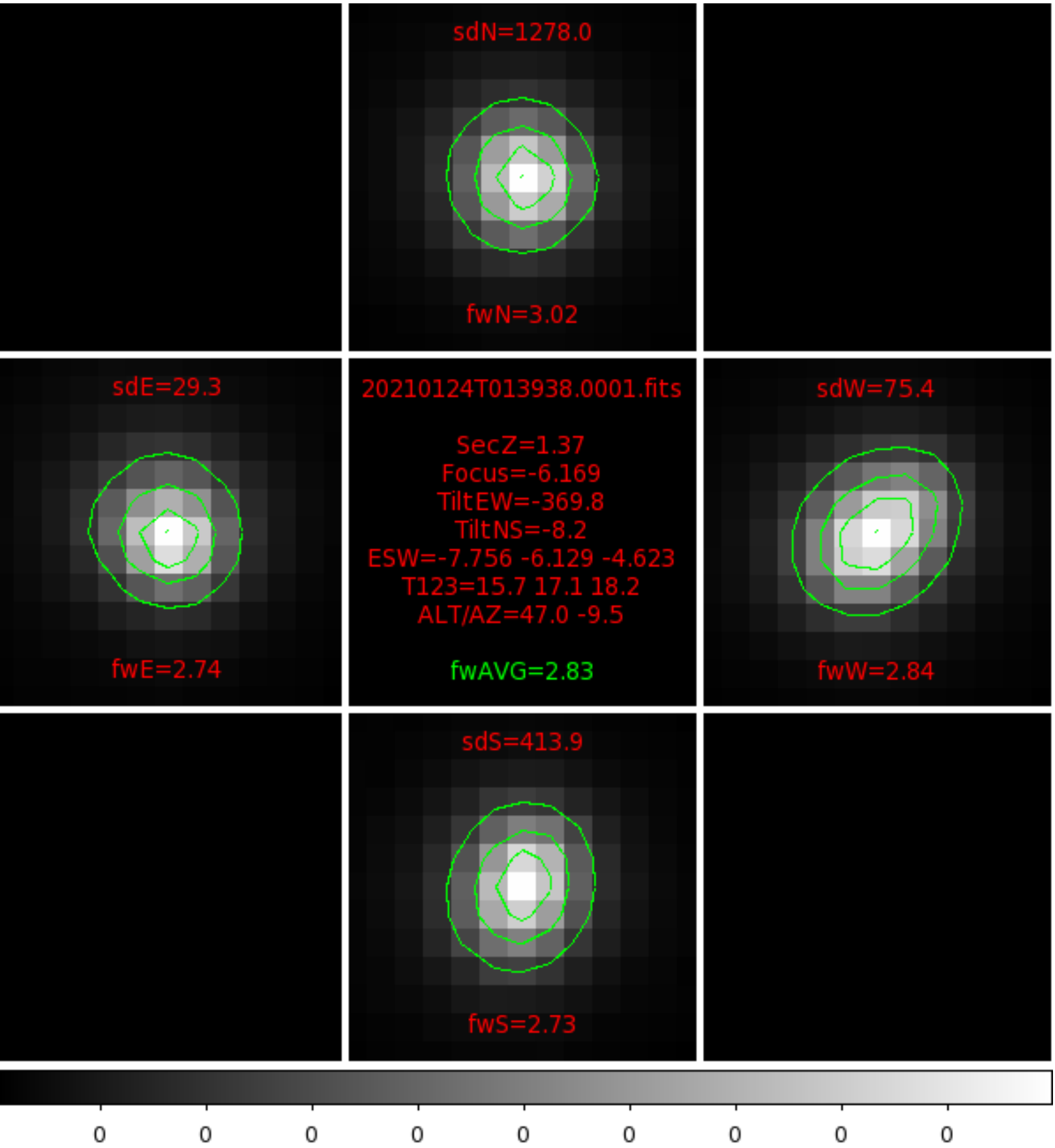
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SecZ=1.37
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TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=15.7 17.1 18.2
ALT/AZ=47.0 -9.5
fwAVG=2.83
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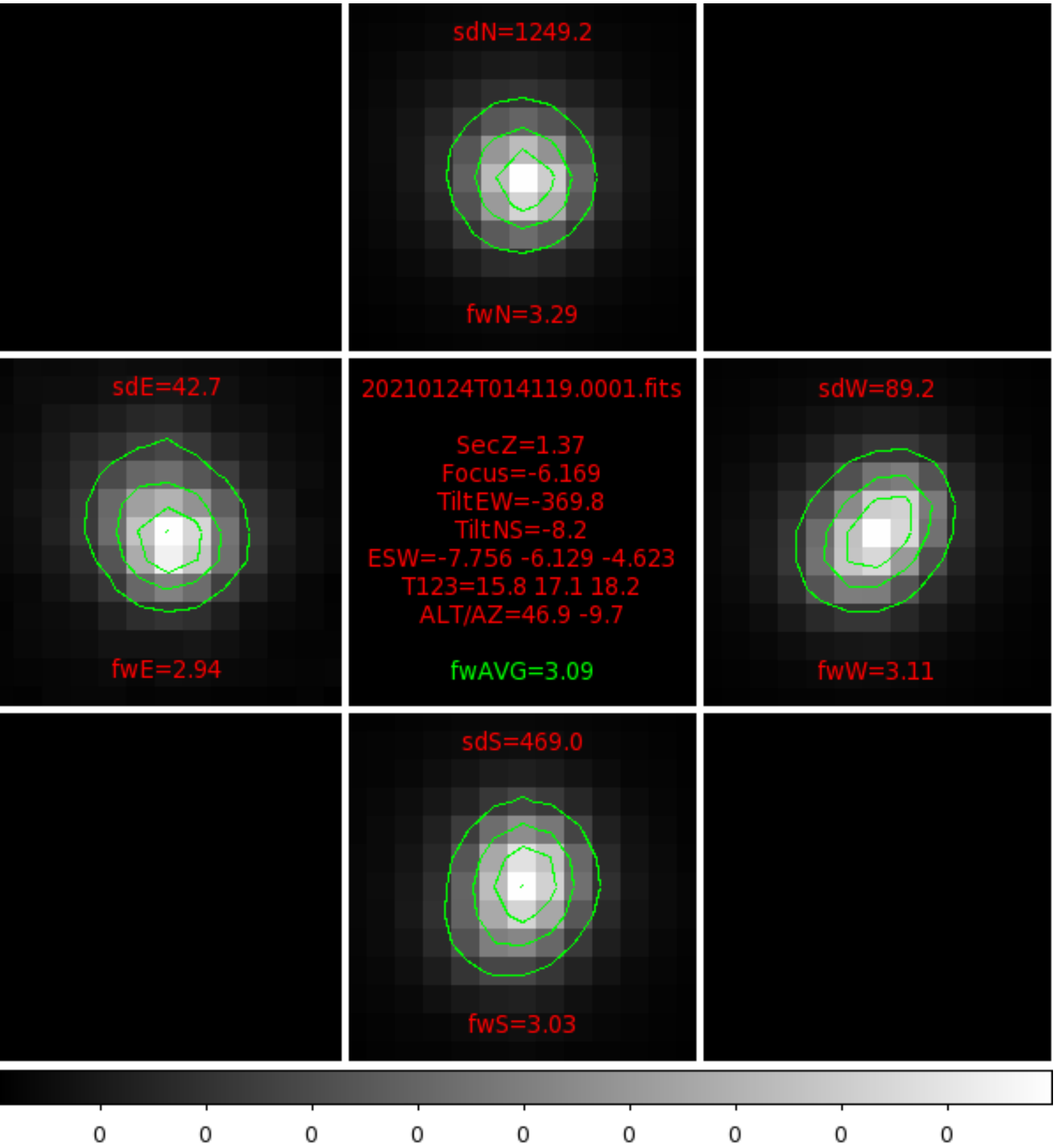
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TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=15.8 17.1 18.2
ALT/AZ=46.9 -9.7
fwAVG=3.09
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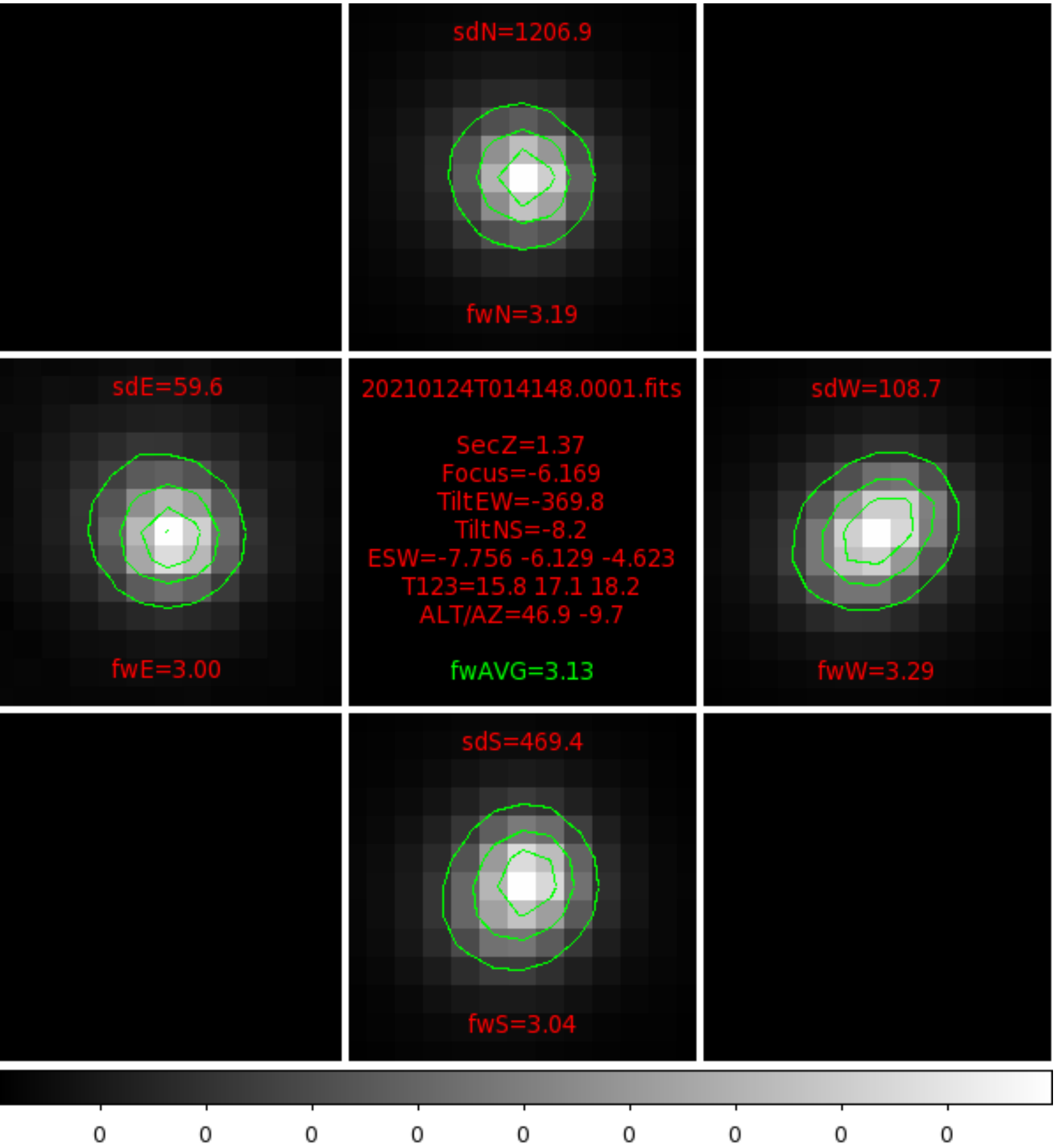
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TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=15.8 17.1 18.2
ALT/AZ=46.9 -9.7
fwAVG=3.13
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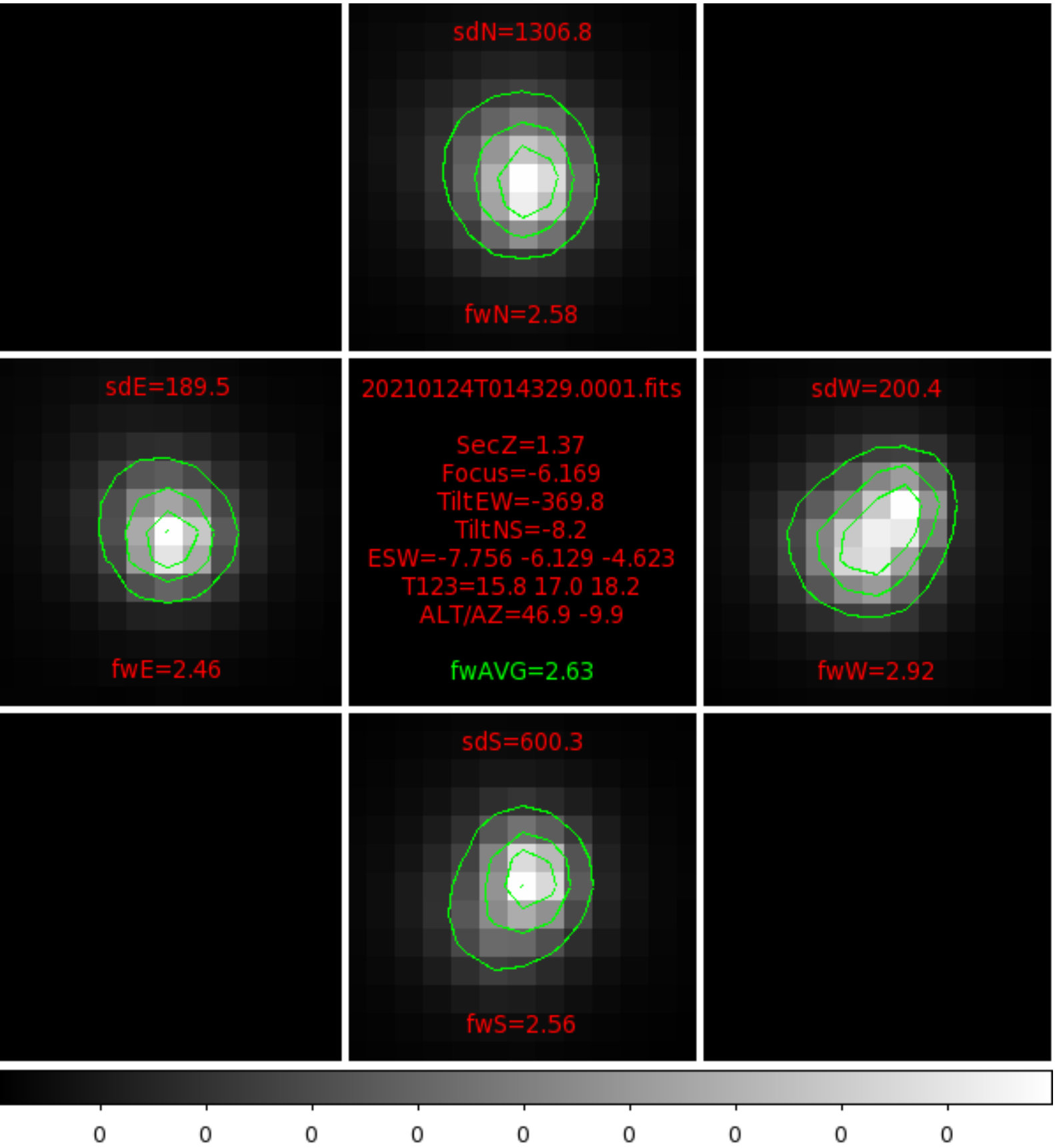
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SecZ=1.37
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=15.8 17.0 18.2
ALT/AZ=46.9 -9.9
fwAVG=2.63
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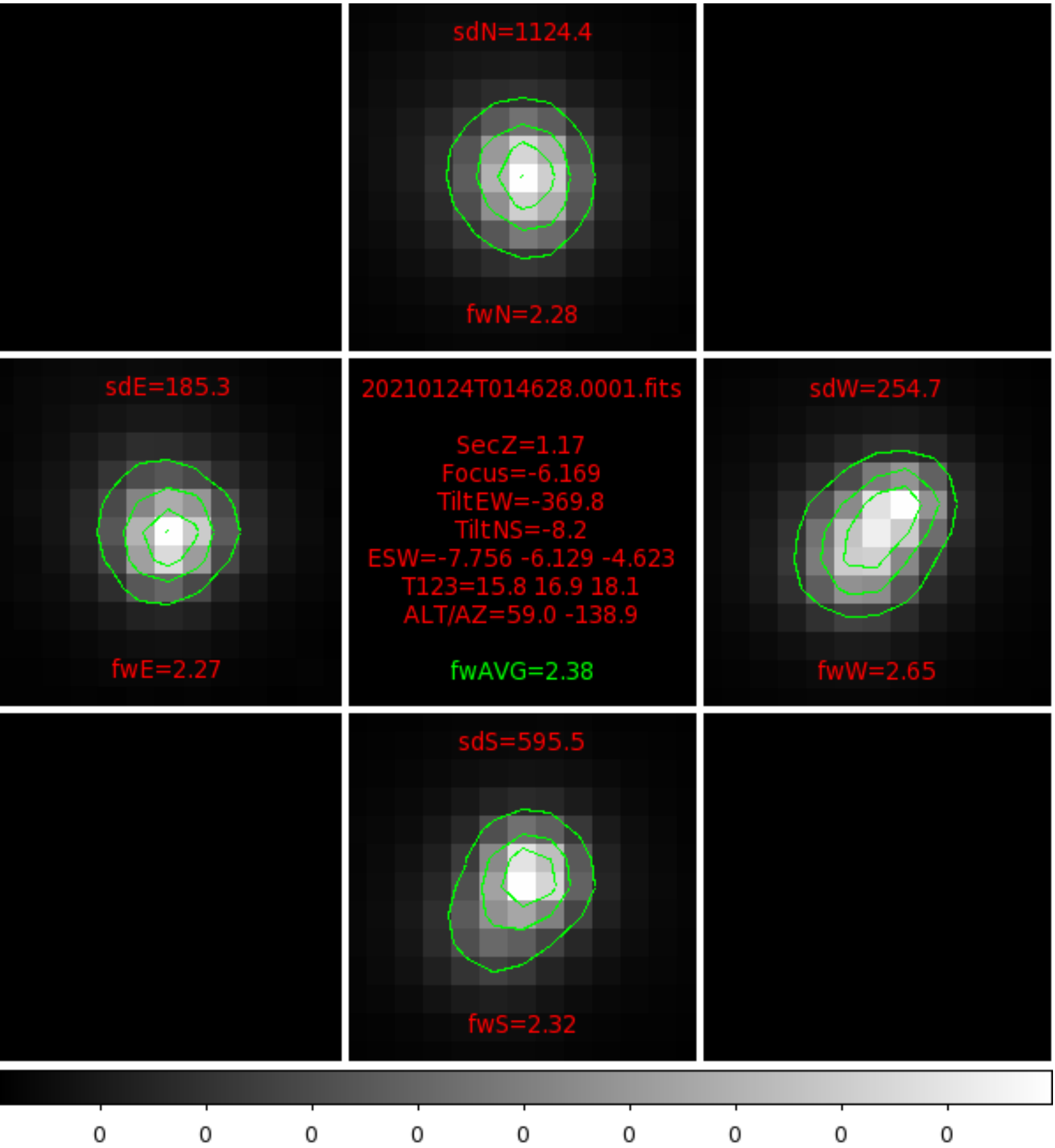
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SecZ=1.17
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=15.8 16.9 18.1
ALT/AZ=59.0 -138.9
fwAVG=2.38
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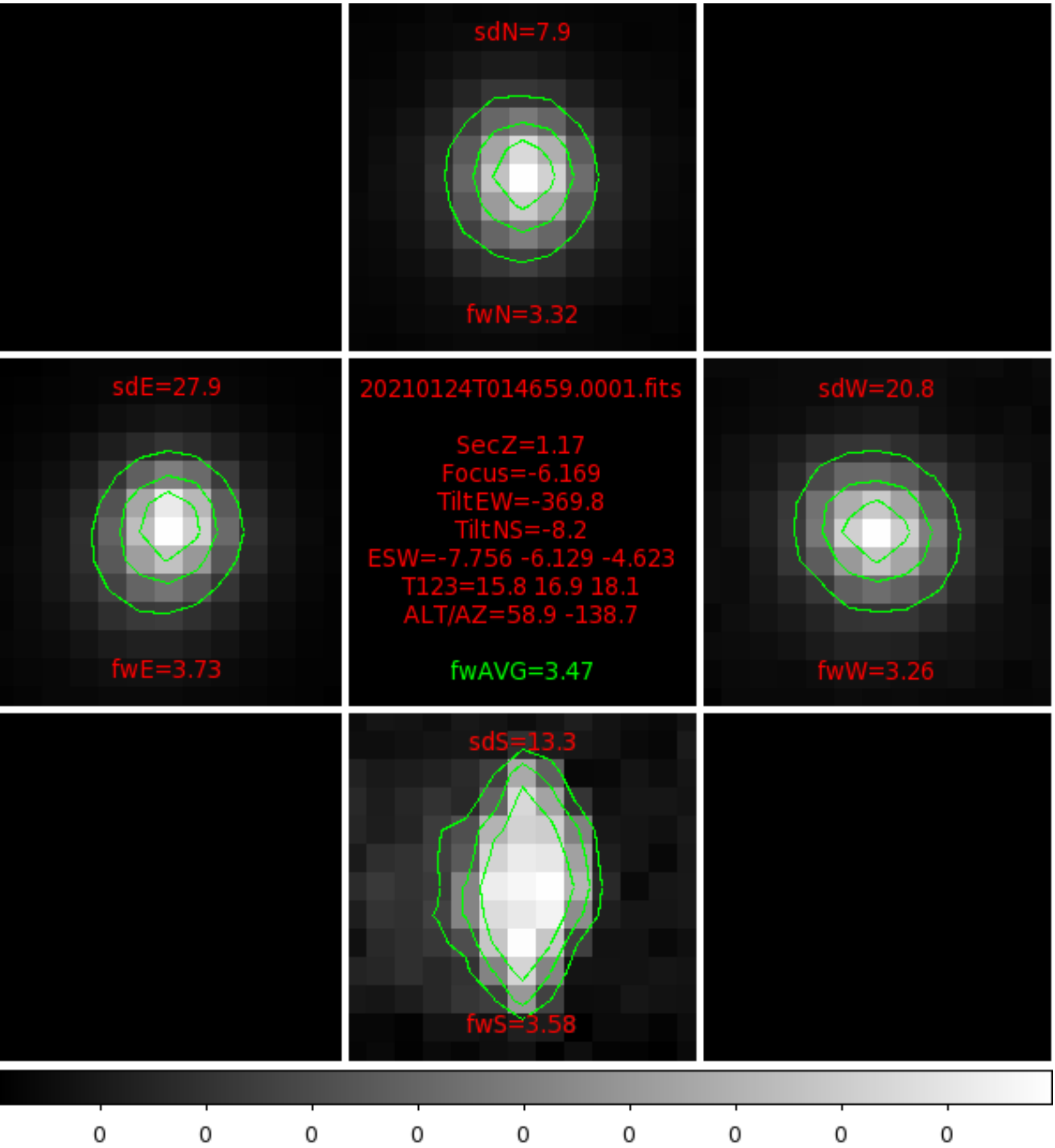
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SecZ=1.17
Focus=-6.169
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.756 -6.129 -4.623
T123=15.8 16.9 18.1
ALT/AZ=58.9 -138.7
fwAVG=3.47
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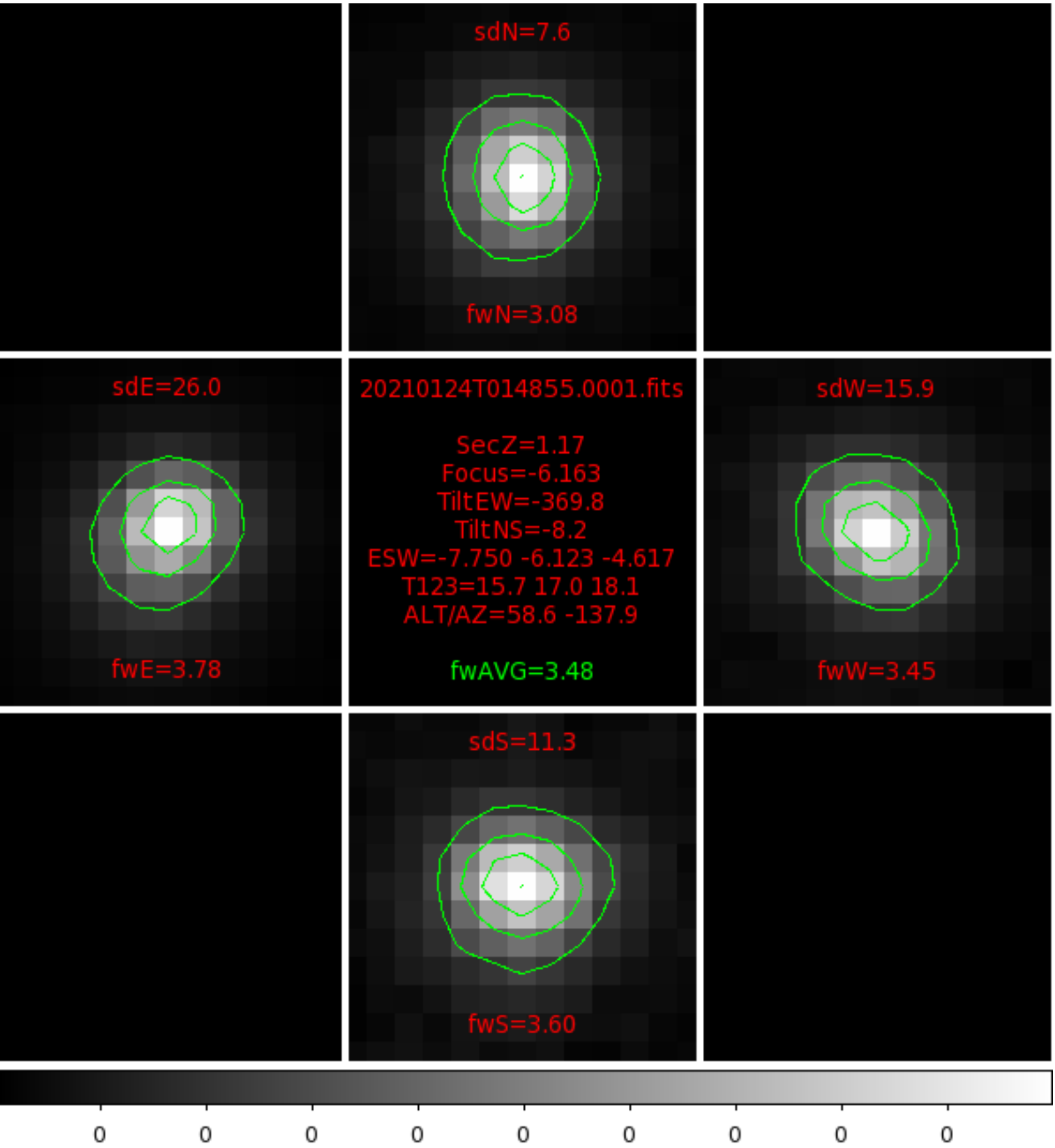
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fwE=3.78
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SecZ=1.17
Focus=-6.163
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.750 -6.123 -4.617
T123=15.7 17.0 18.1
ALT/AZ=58.6 -137.9
fwAVG=3.48
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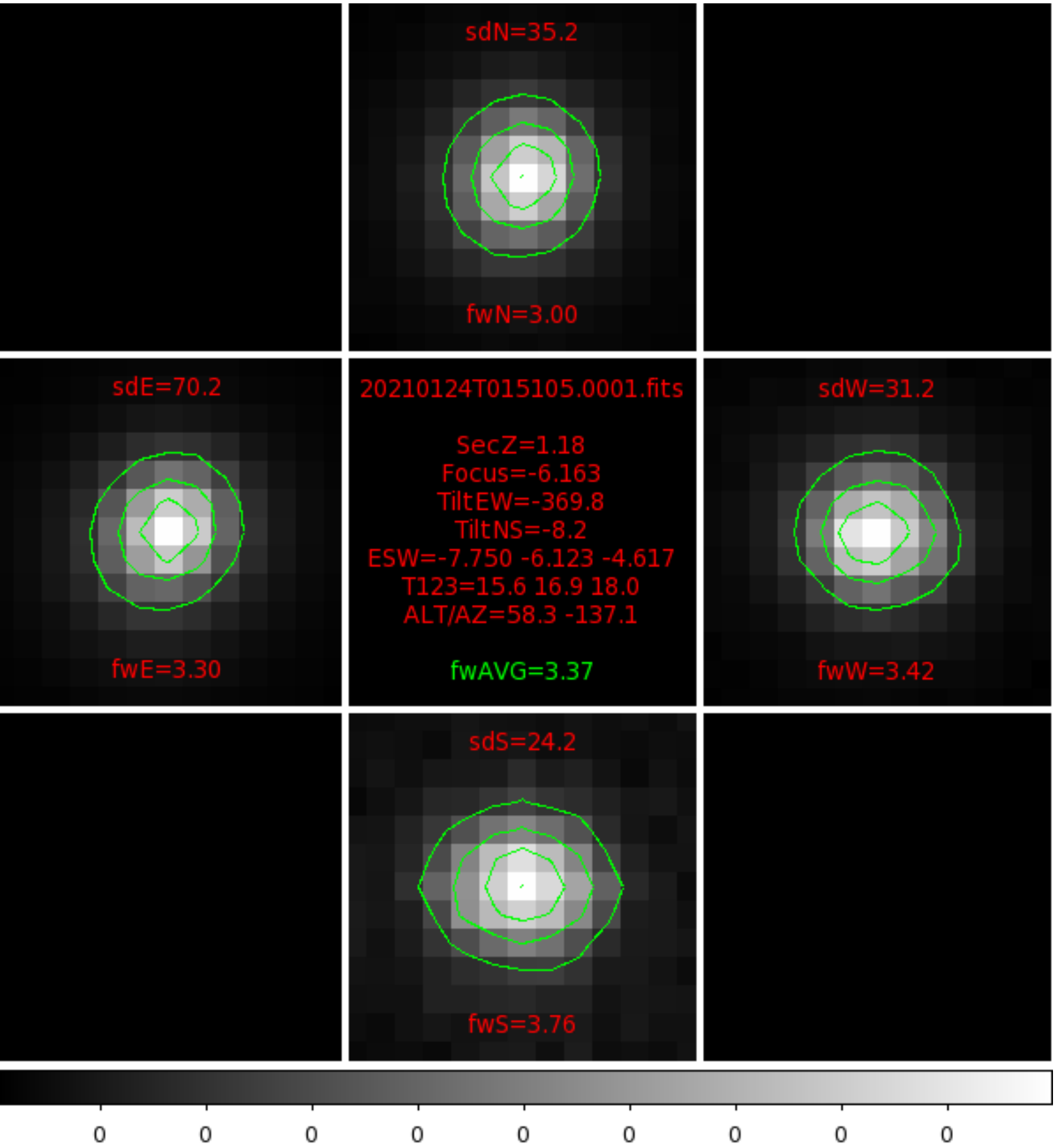
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SecZ=1.18
Focus=-6.163
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TiltNS=-8.2
ESW=-7.750 -6.123 -4.617
T123=15.6 16.9 18.0
ALT/AZ=58.3 -137.1
fwAVG=3.37
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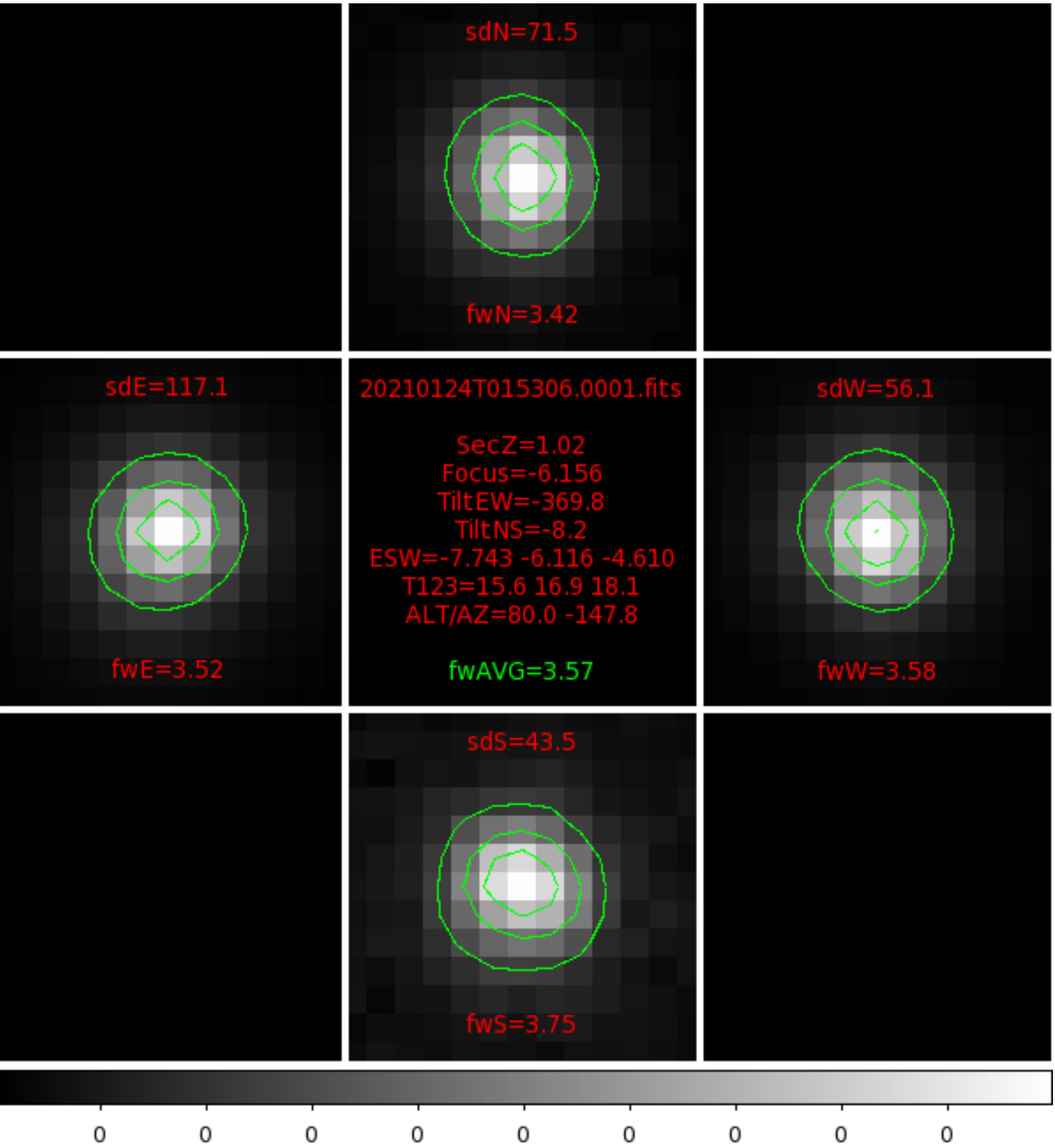
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TiltNS=-8.2
ESW=-7.743 -6.116 -4.610
T123=15.6 16.9 18.1
ALT/AZ=80.0 -147.8
fwAVG=3.57
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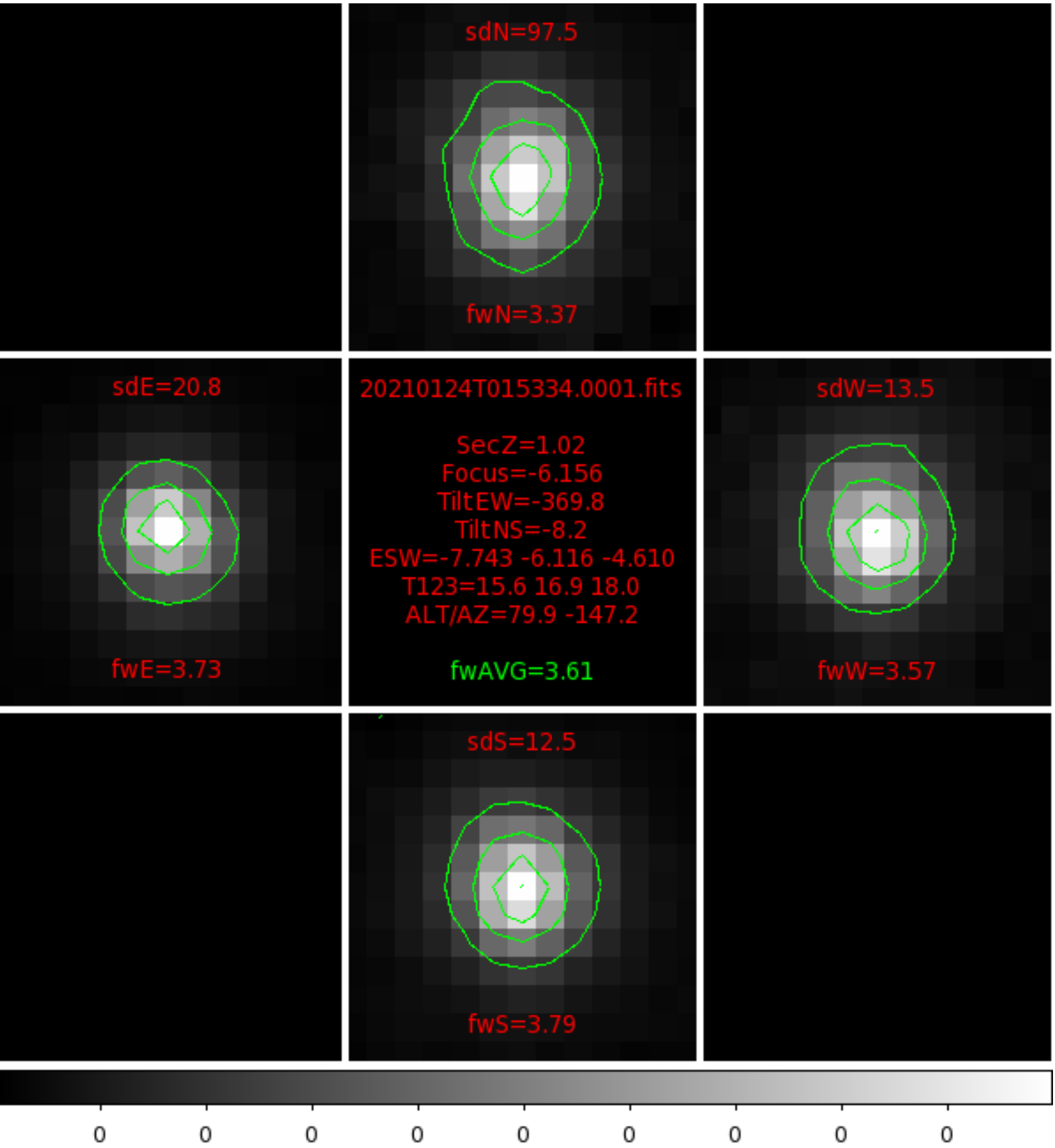
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fwE=3.73
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SecZ=1.02
Focus=-6.156
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TiltNS=-8.2
ESW=-7.743 -6.116 -4.610
T123=15.6 16.9 18.0
ALT/AZ=79.9 -147.2
fwAVG=3.61
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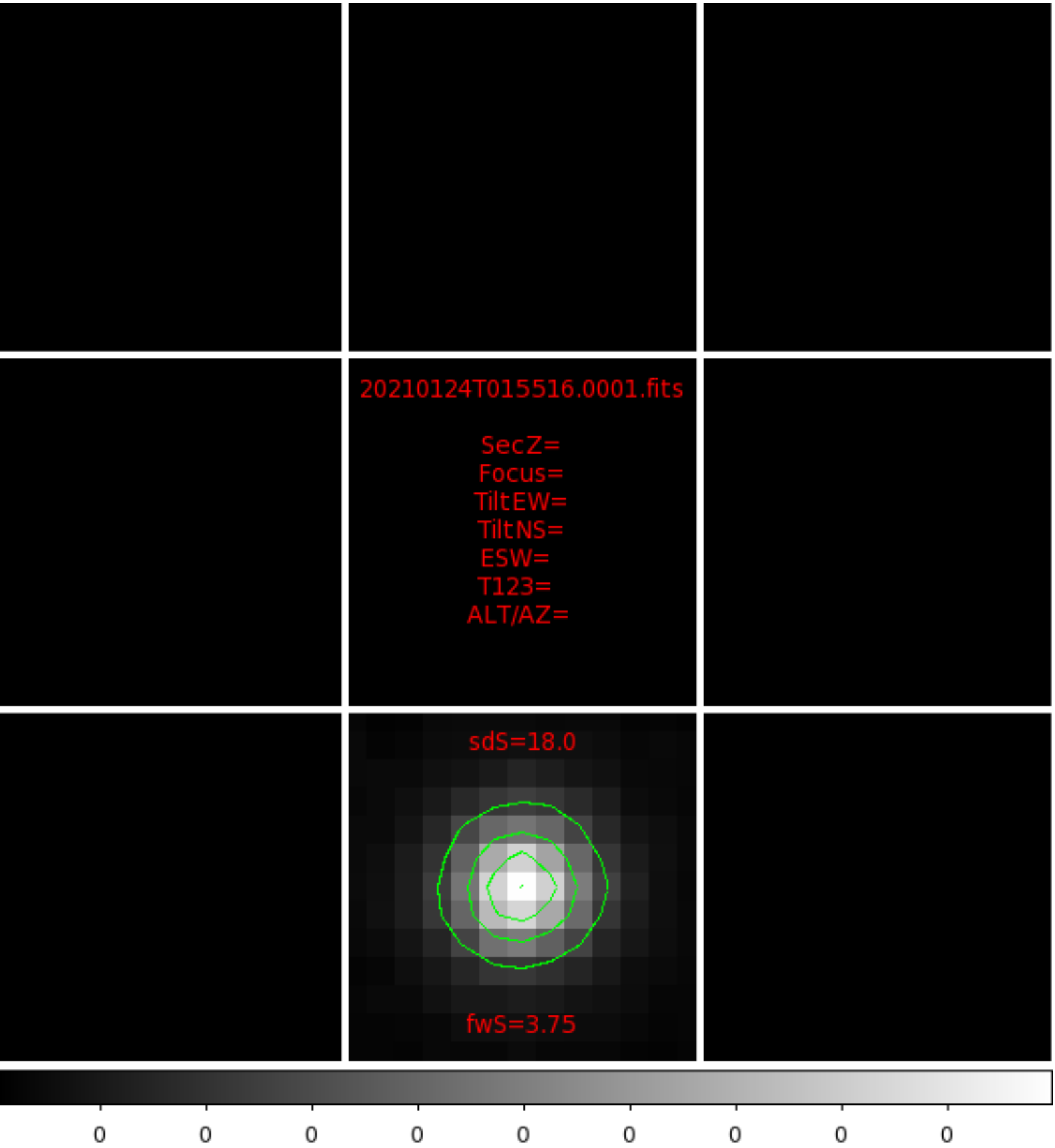
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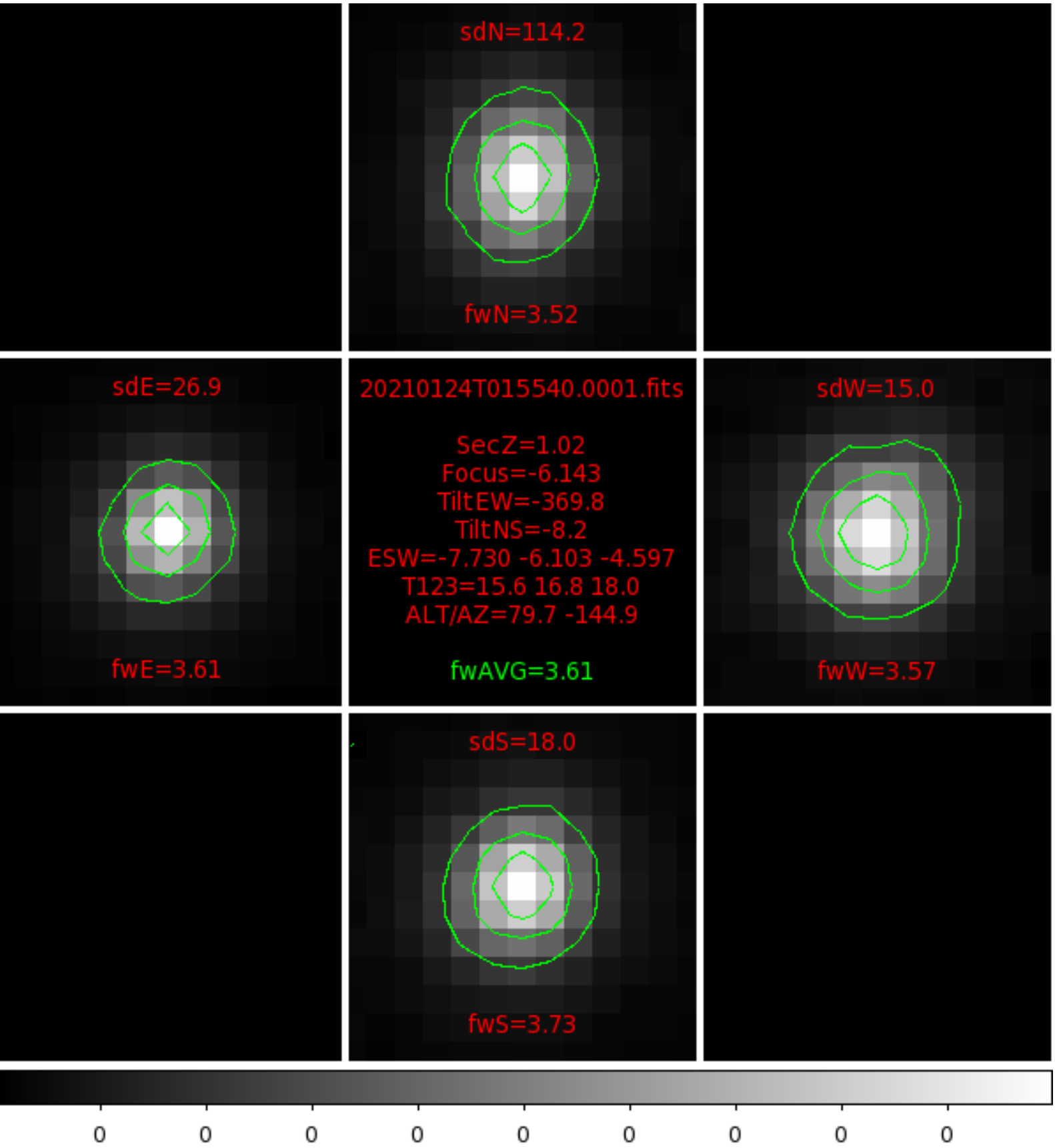
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SecZ=1.02
Focus=-6.143
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.6 16.8 18.0
ALT/AZ=79.7 -144.9
fwAVG=3.61
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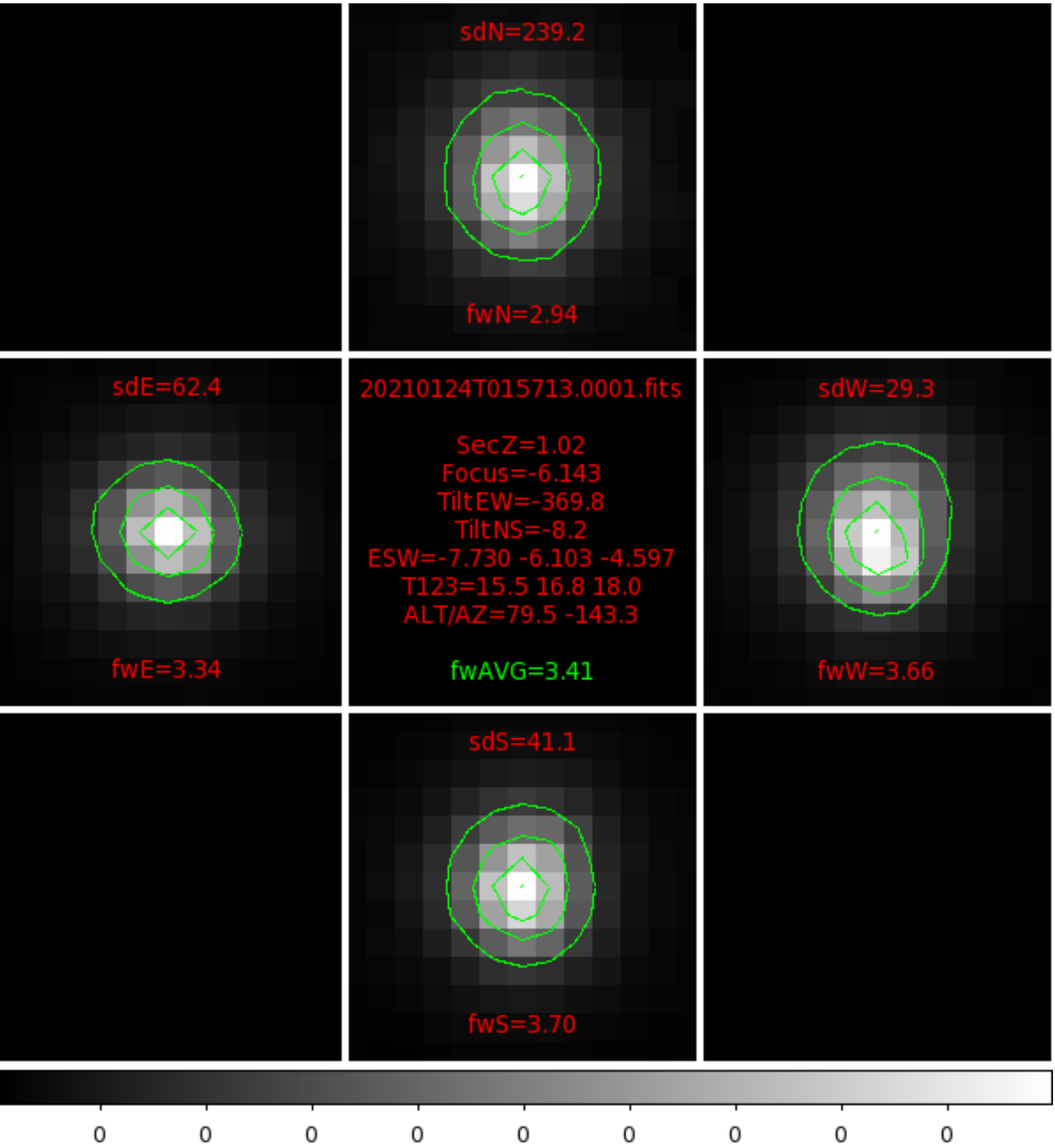
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sdE=62.4
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SecZ=1.02
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.5 16.8 18.0
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fwAVG=3.41
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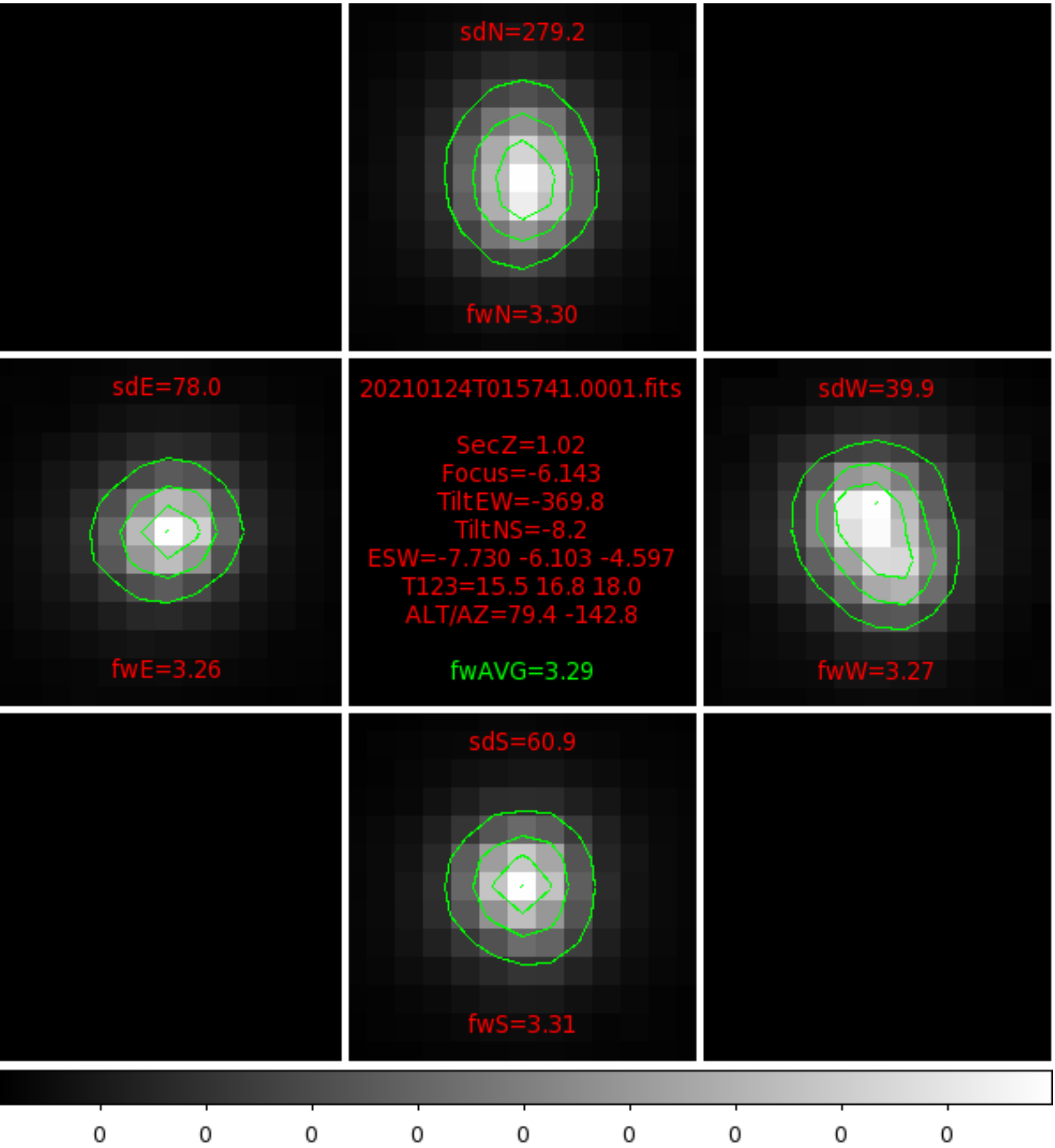
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sdE=78.0
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SecZ=1.02
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.5 16.8 18.0
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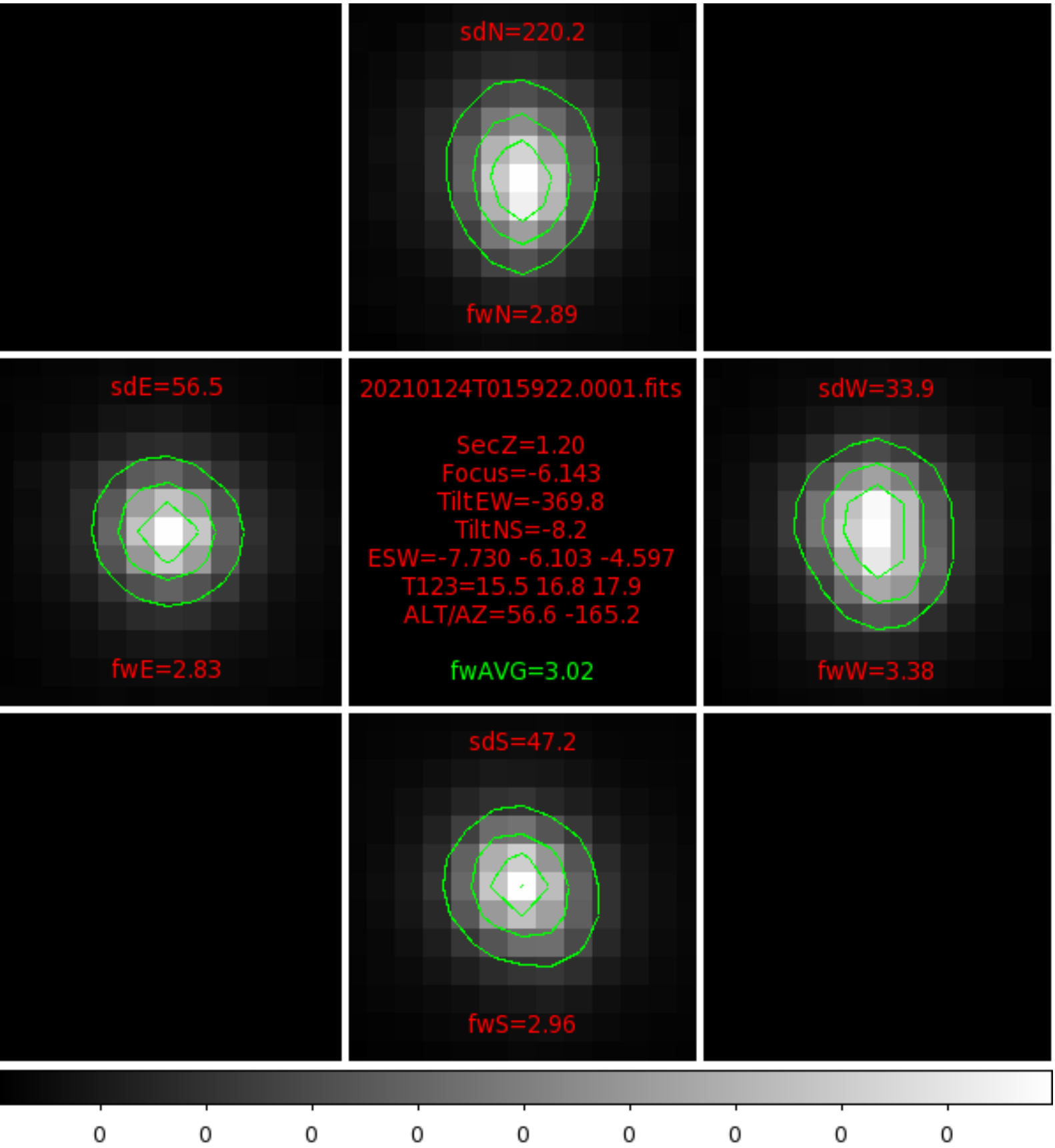
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TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.5 16.8 17.9
ALT/AZ=56.6 -165.2
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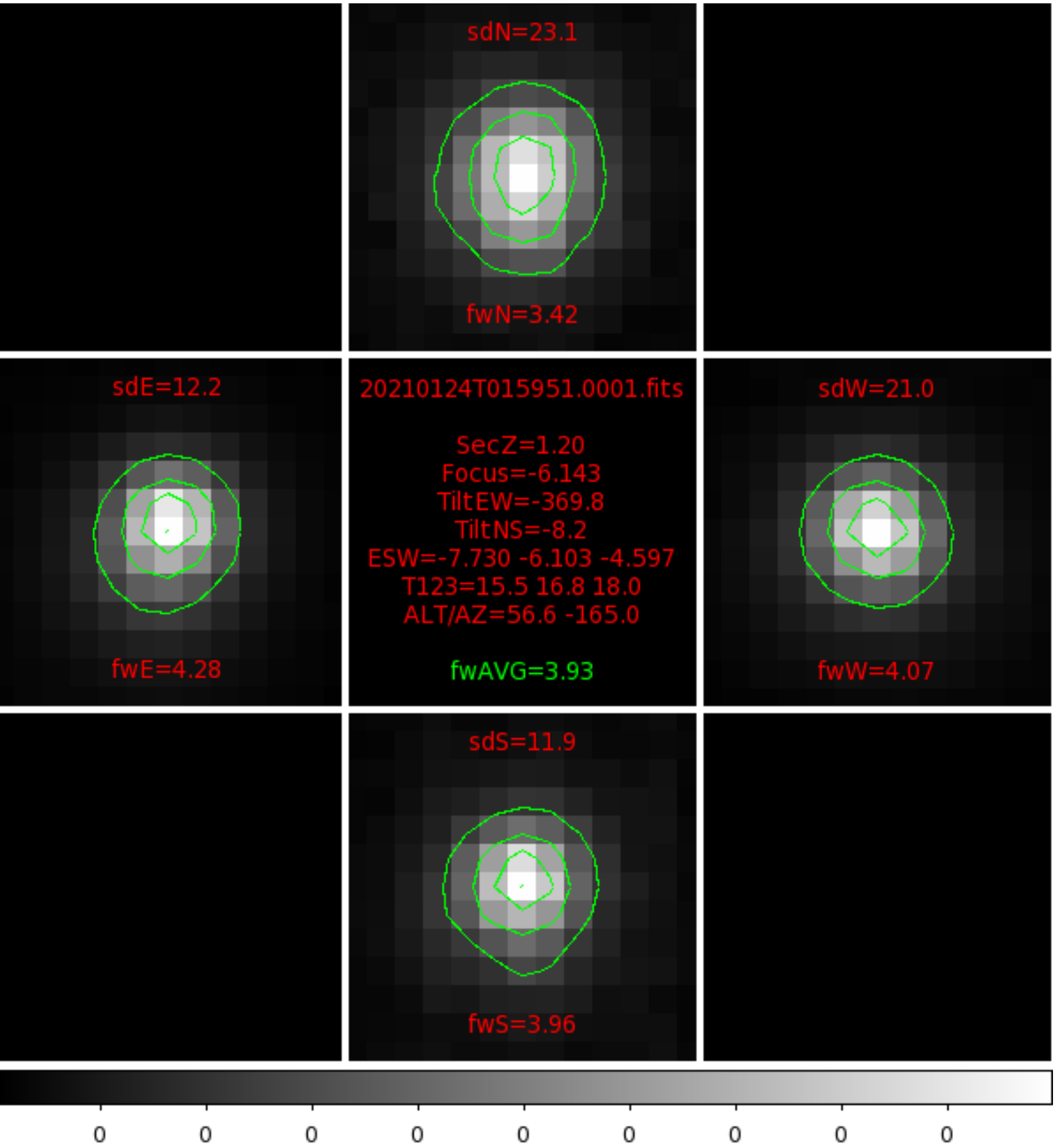
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SecZ=1.20
Focus=-6.143
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.5 16.8 18.0
ALT/AZ=56.6 -165.0
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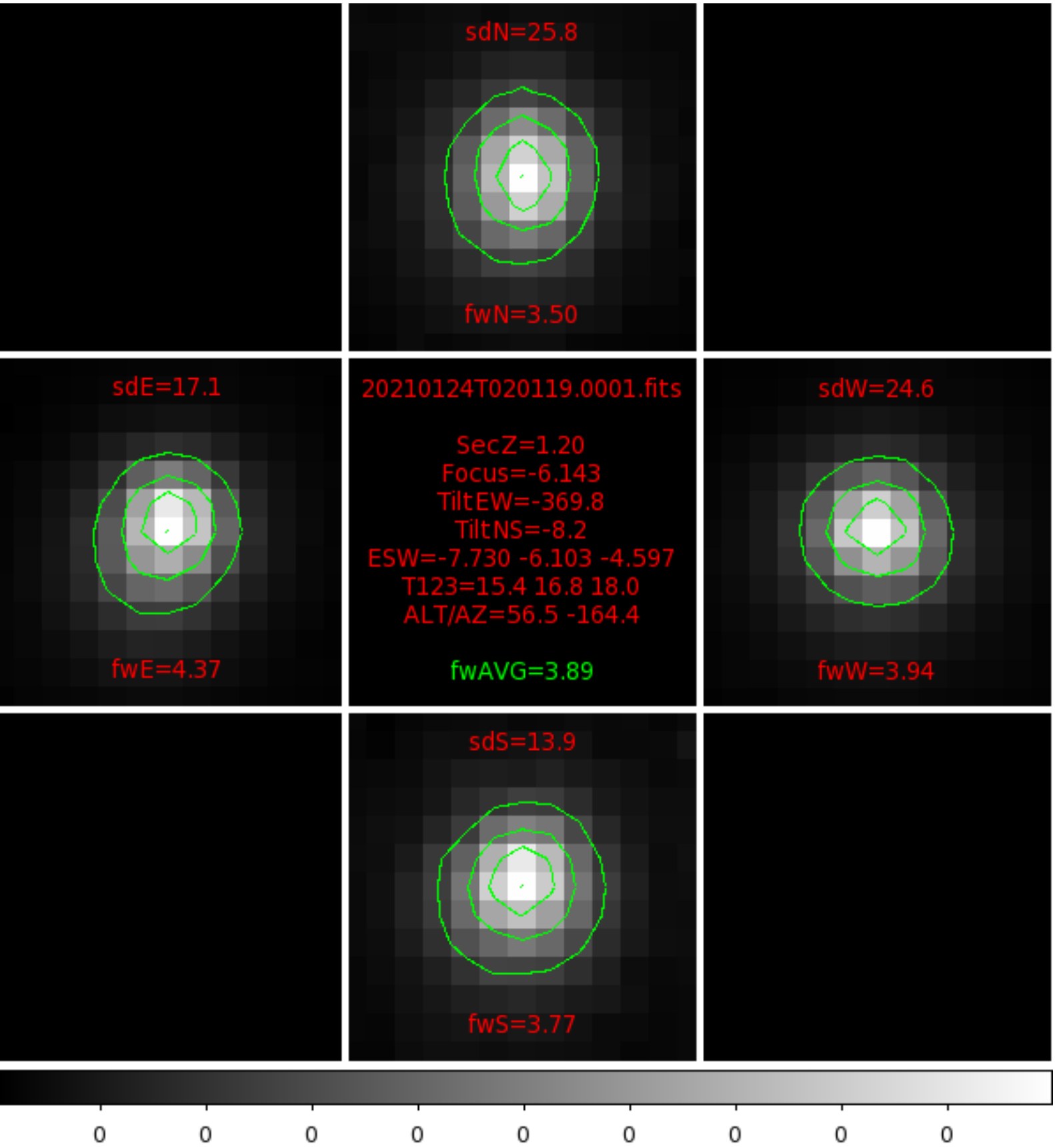
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.4 16.8 18.0
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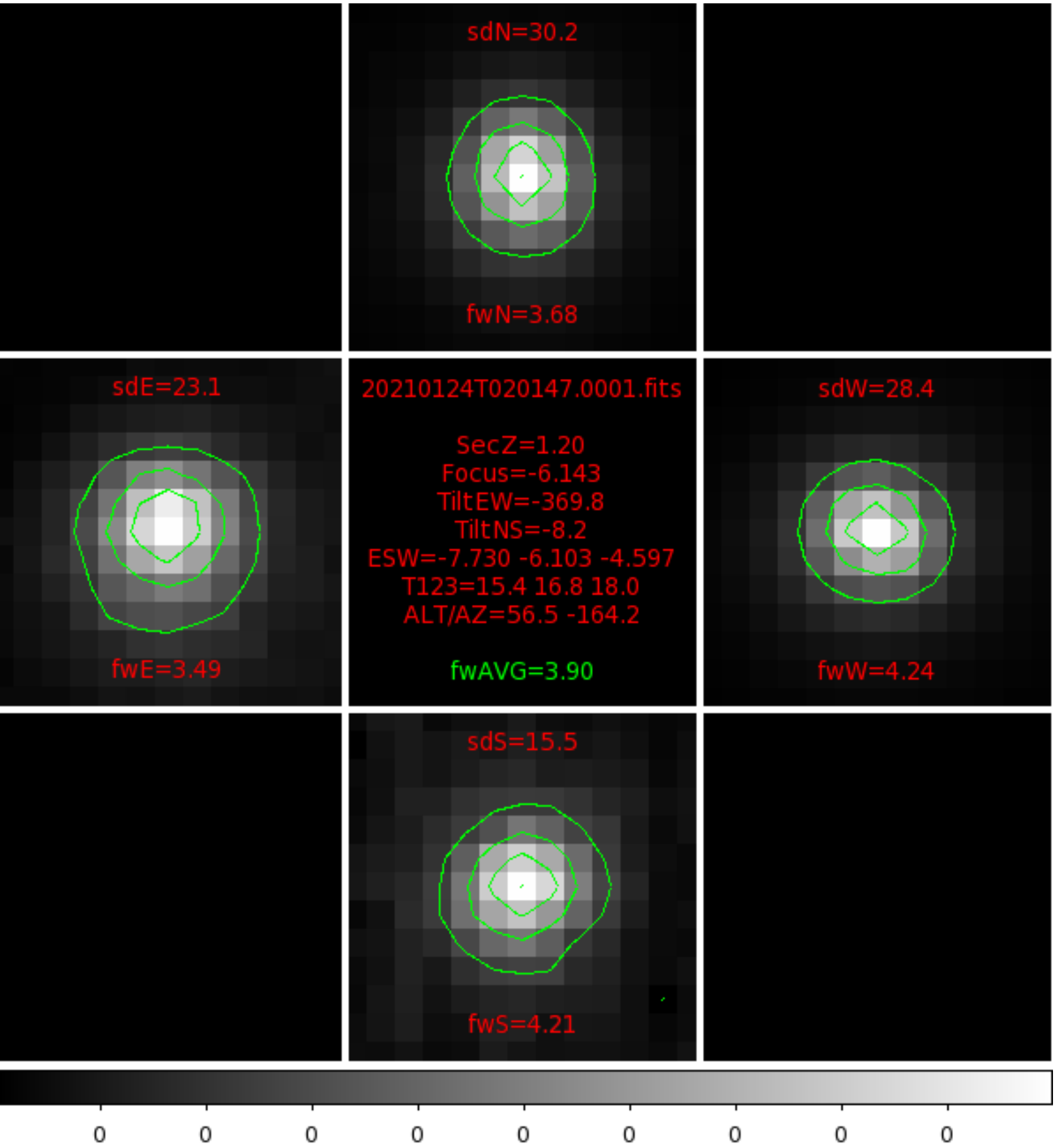
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.4 16.8 18.0
ALT/AZ=56.5 -164.2
fwAVG=3.90
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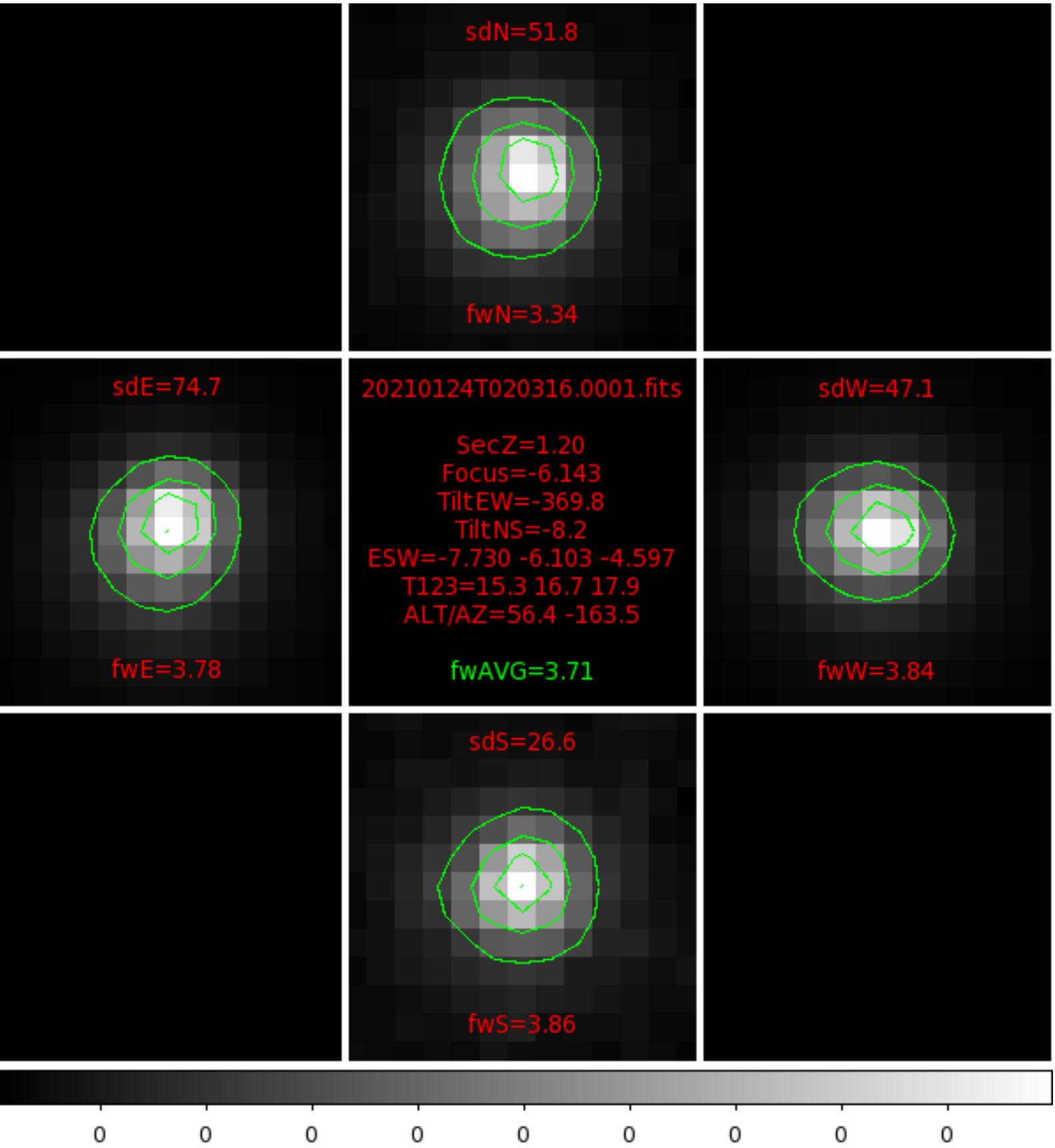
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fwE=3.78
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TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.3 16.7 17.9
ALT/AZ=56.4 -163.5
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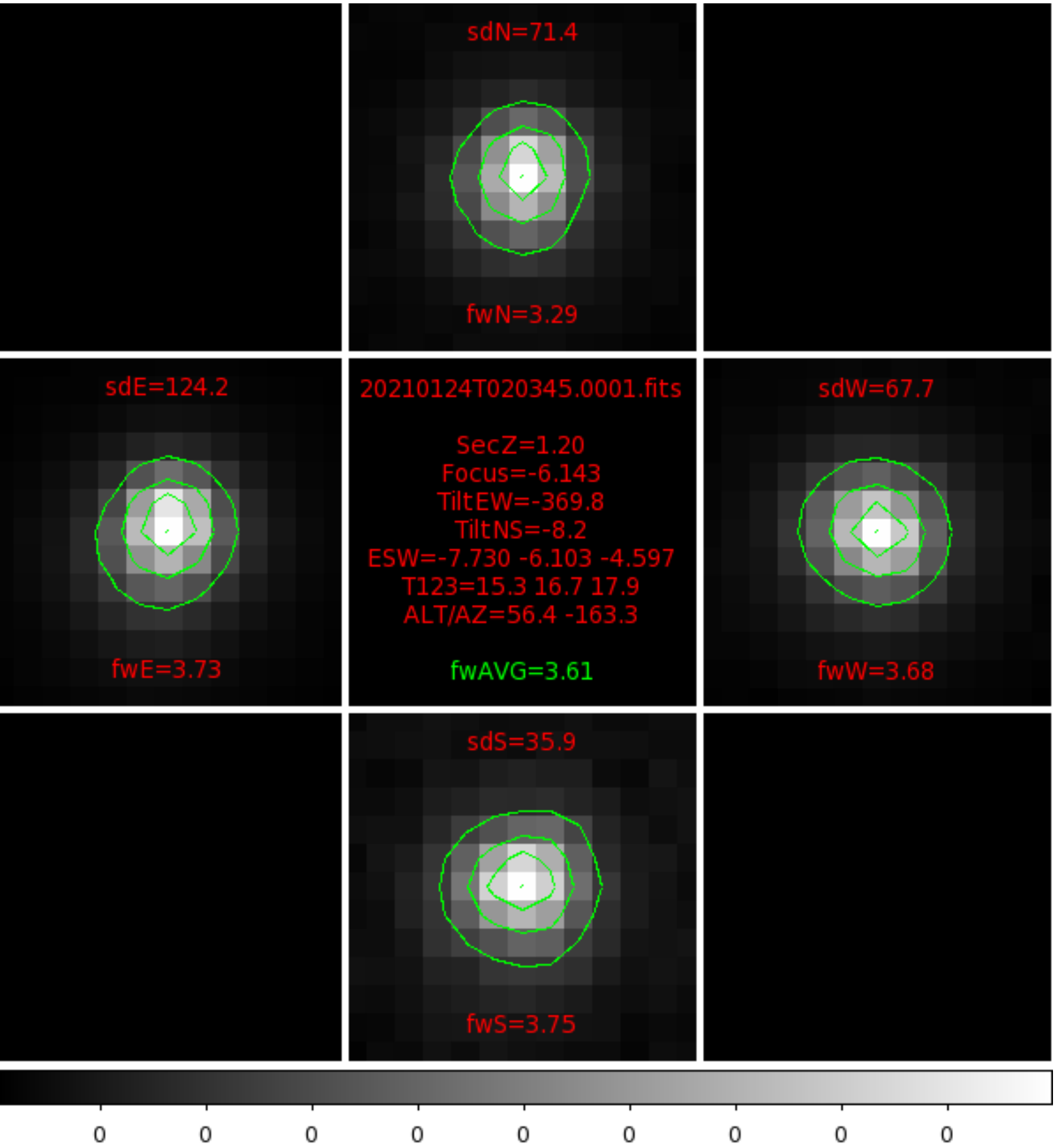
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TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.3 16.7 17.9
ALT/AZ=56.4 -163.3
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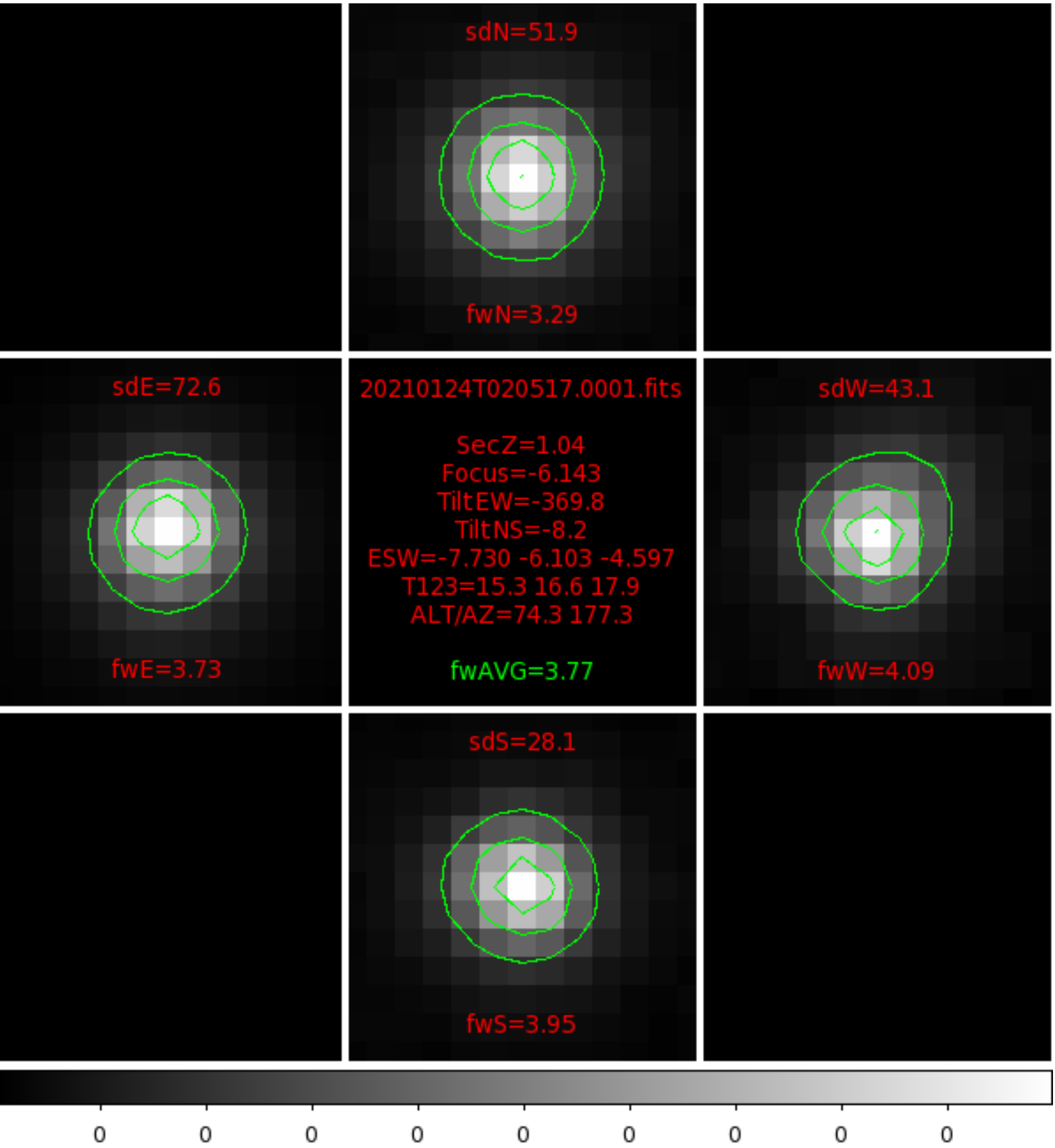
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SecZ=1.04
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TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.3 16.6 17.9
ALT/AZ=74.3 177.3
fwAVG=3.77
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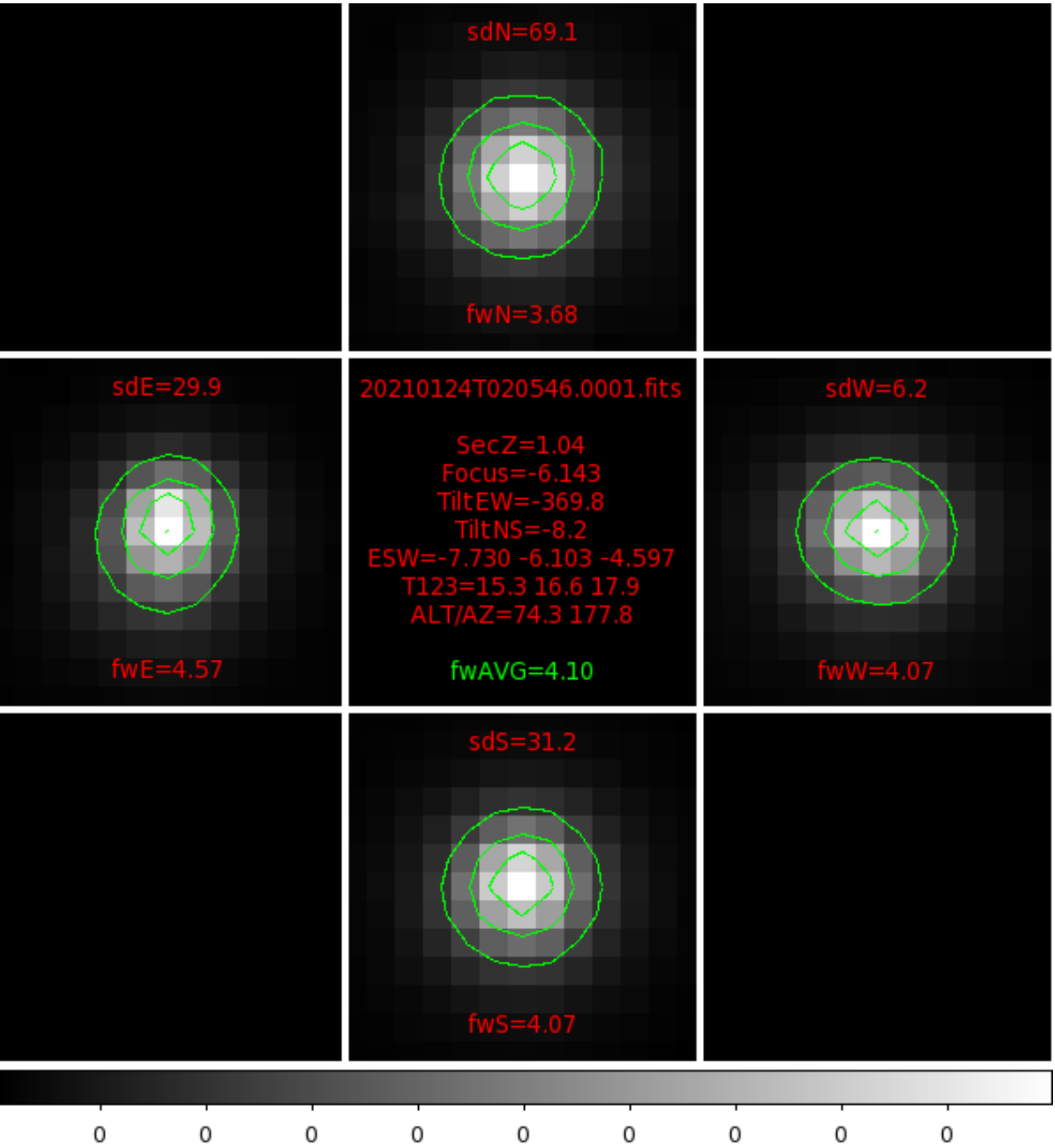
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sdE=29.9
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TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.3 16.6 17.9
ALT/AZ=74.3 177.8
fwAVG=4.10
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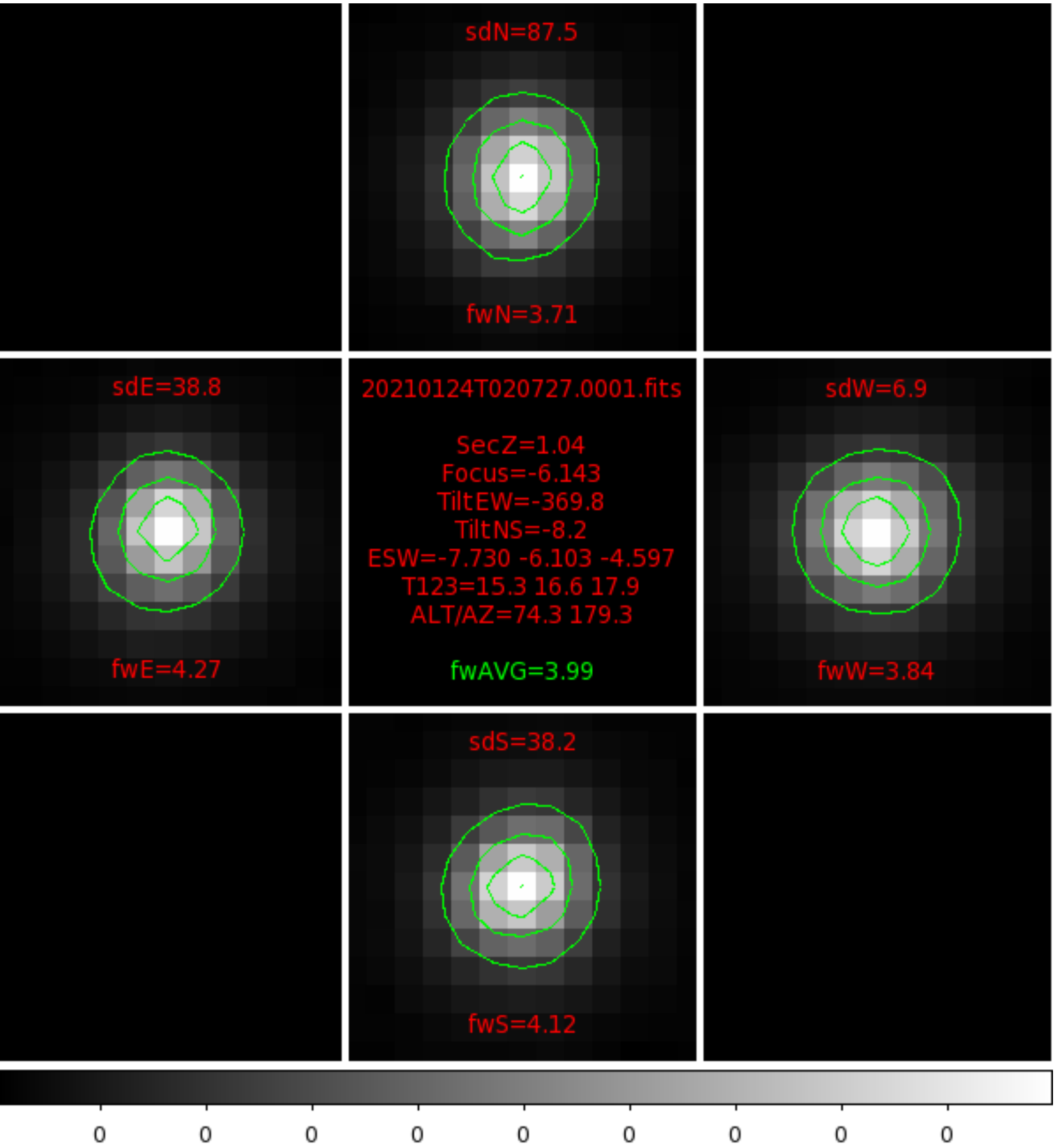
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SecZ=1.04
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ESW=-7.730 -6.103 -4.597
T123=15.3 16.6 17.9
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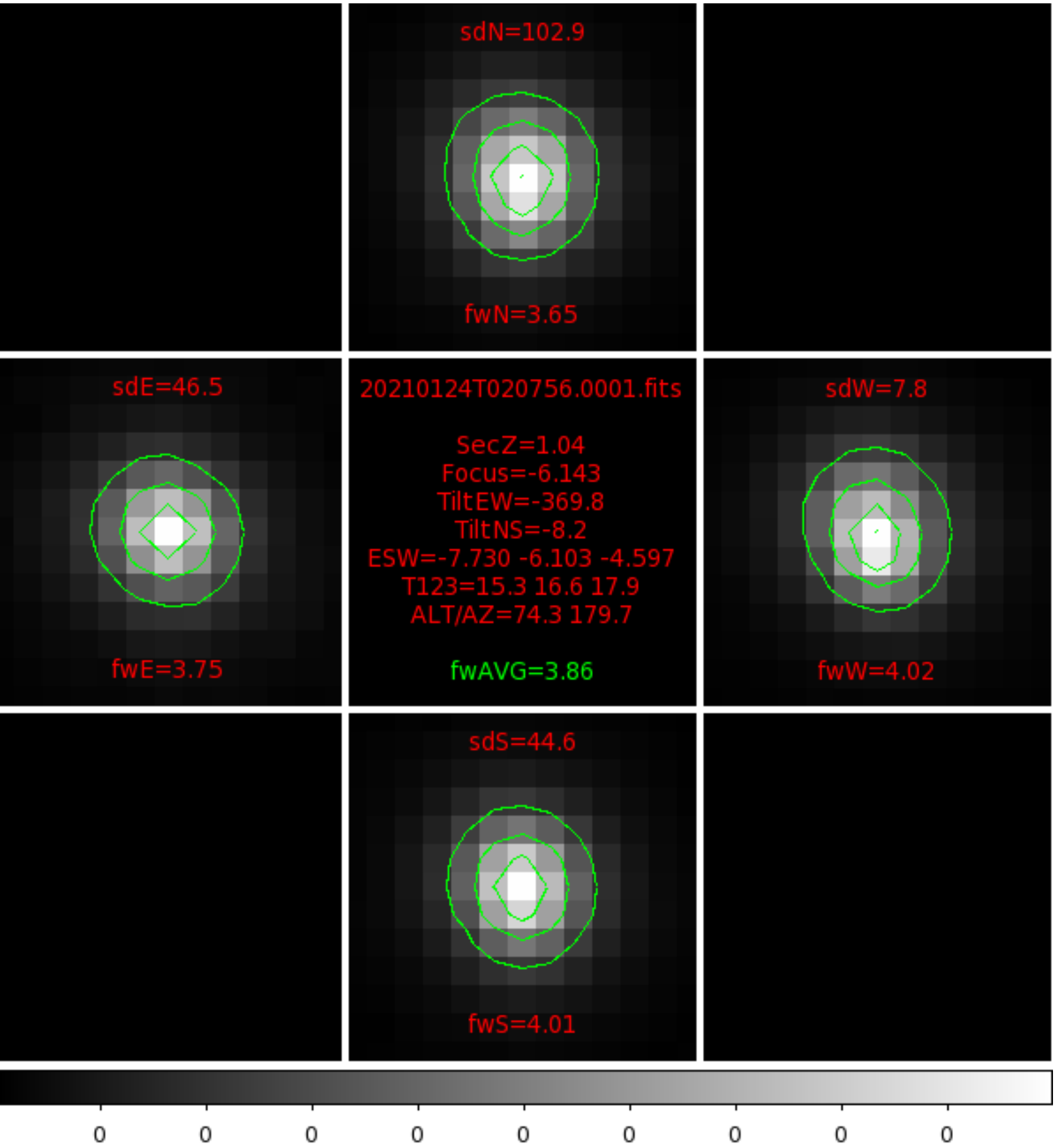
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T123=15.3 16.6 17.9
ALT/AZ=74.3 179.7
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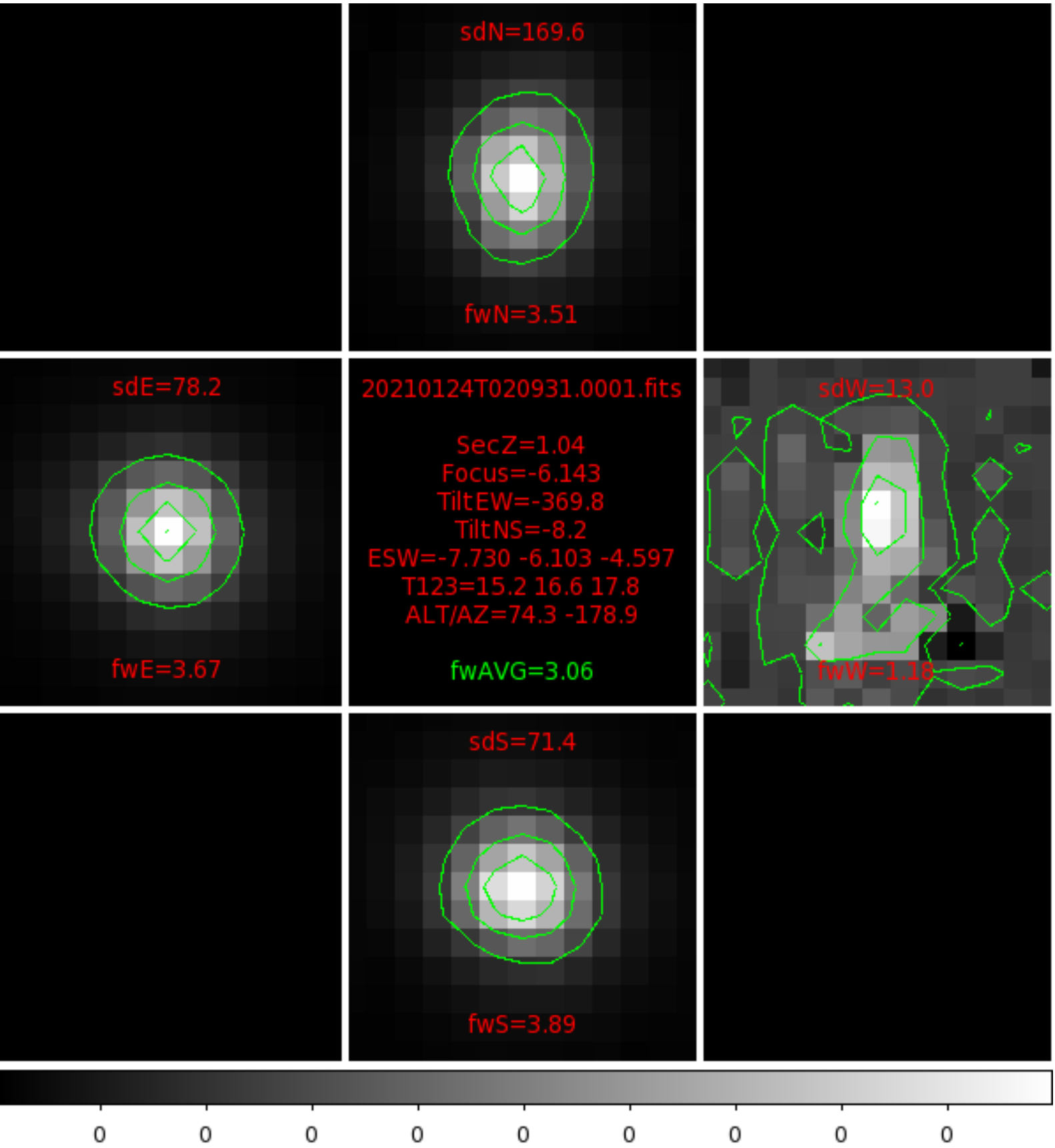
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T123=15.2 16.6 17.8
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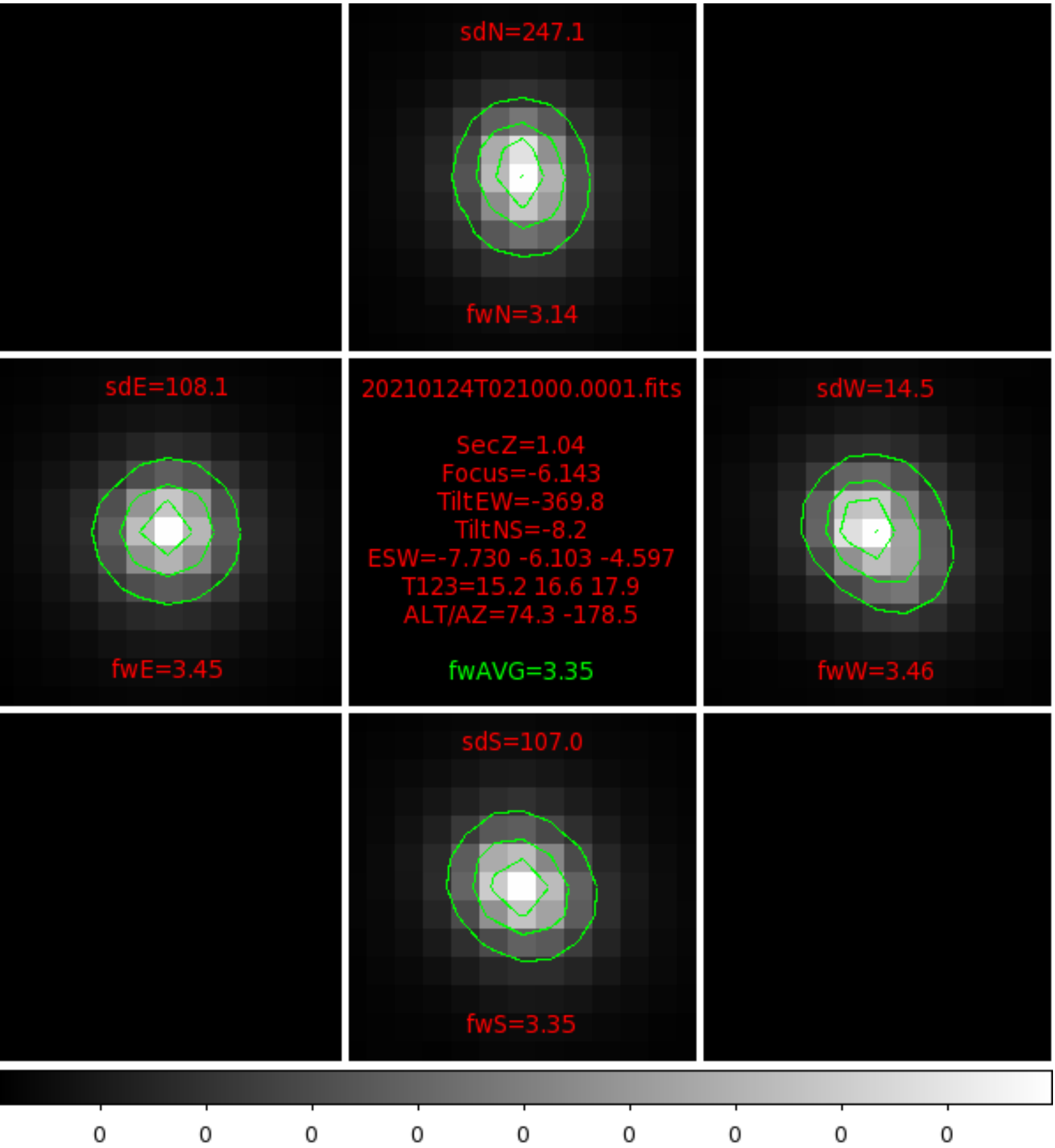
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ESW=-7.730 -6.103 -4.597
T123=15.2 16.6 17.9
ALT/AZ=74.3 -178.5
fwAVG=3.35
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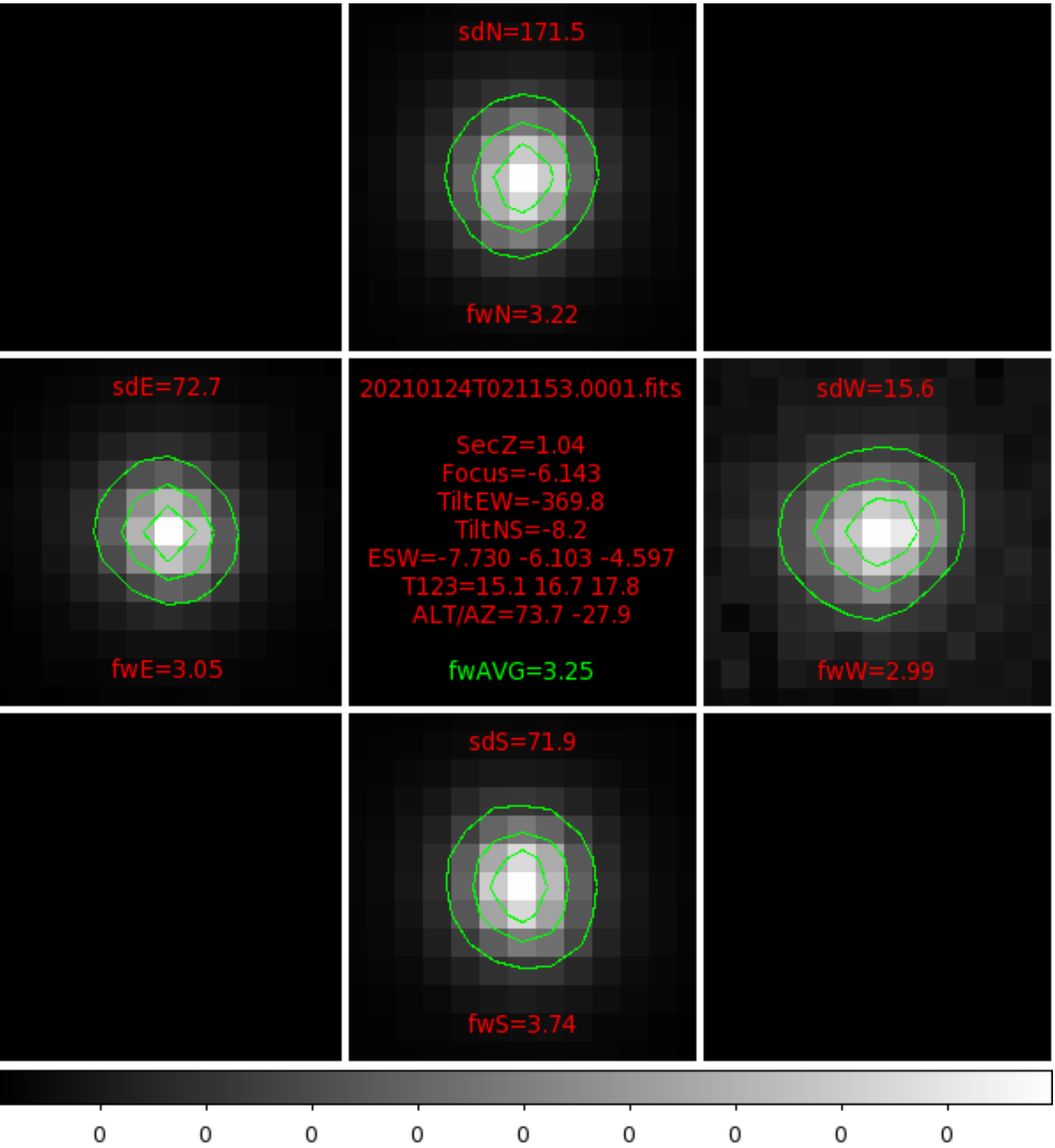
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TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.1 16.7 17.8
ALT/AZ=73.7 -27.9
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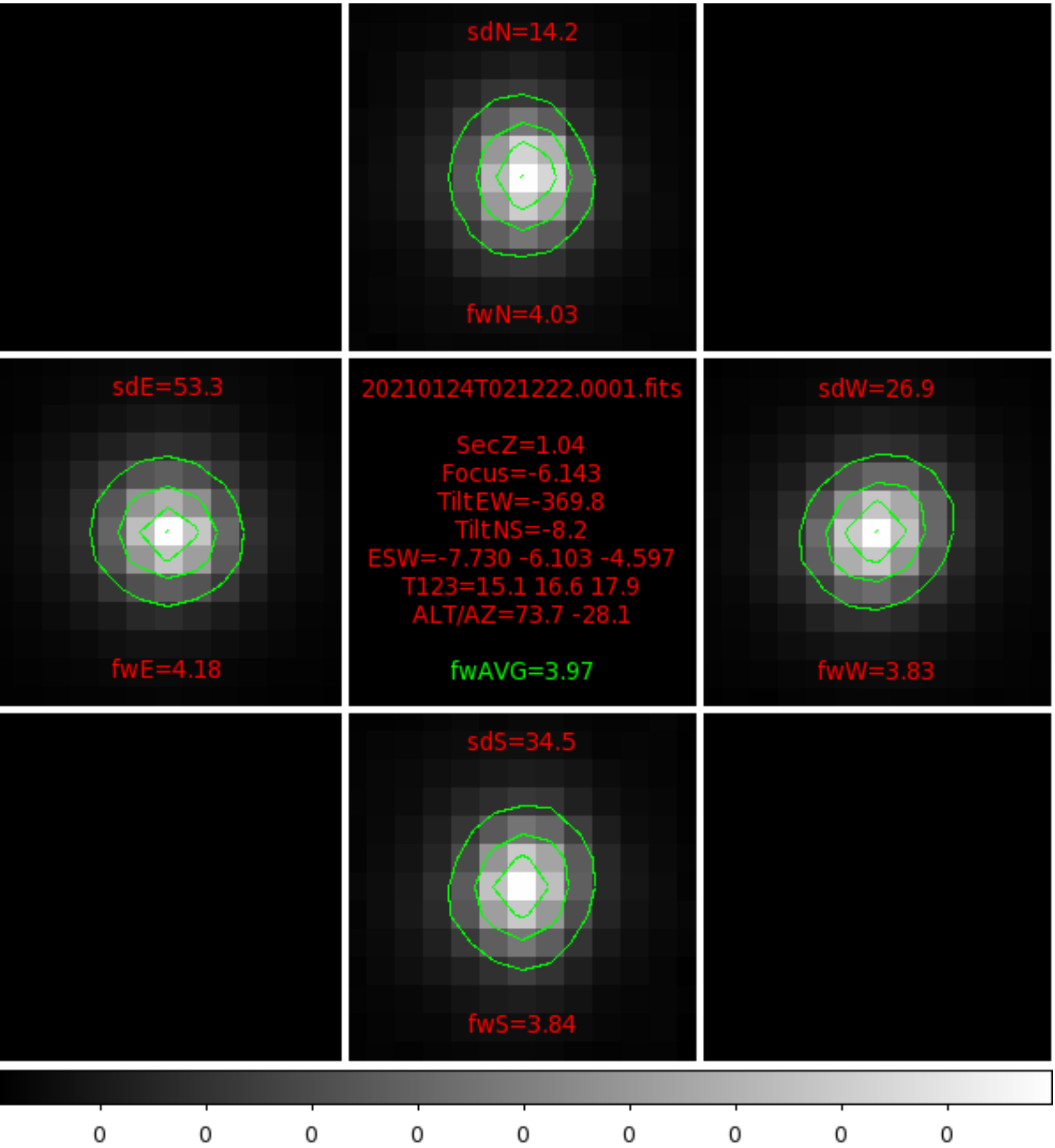
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SecZ=1.04
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TiltNS=-8.2
ESW=-7.730 -6.103 -4.597
T123=15.1 16.6 17.9
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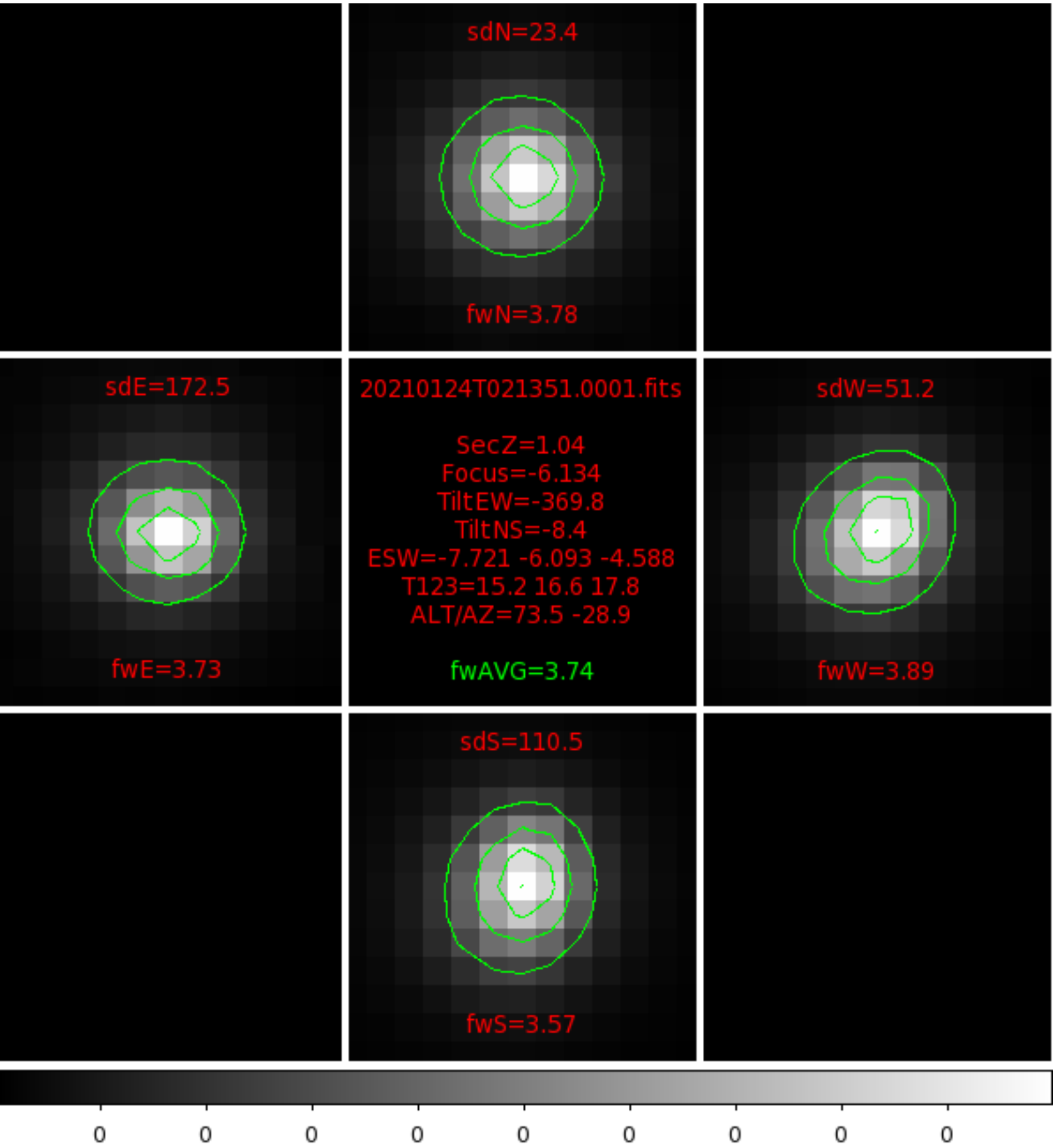
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TiltNS=-8.4
ESW=-7.721 -6.093 -4.588
T123=15.2 16.6 17.8
ALT/AZ=73.5 -28.9
fwAVG=3.74
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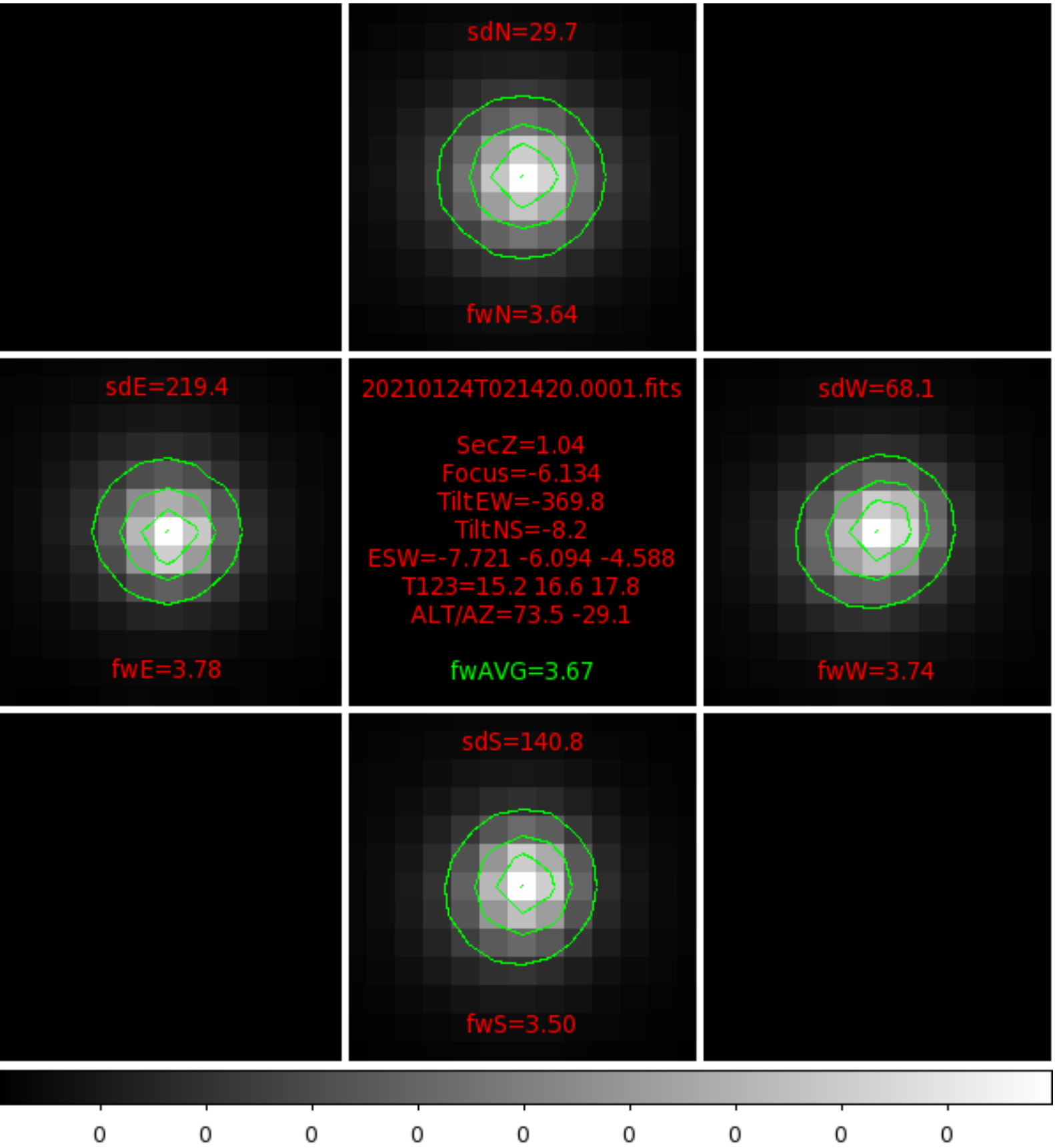
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.721 -6.094 -4.588
T123=15.2 16.6 17.8
ALT/AZ=73.5 -29.1
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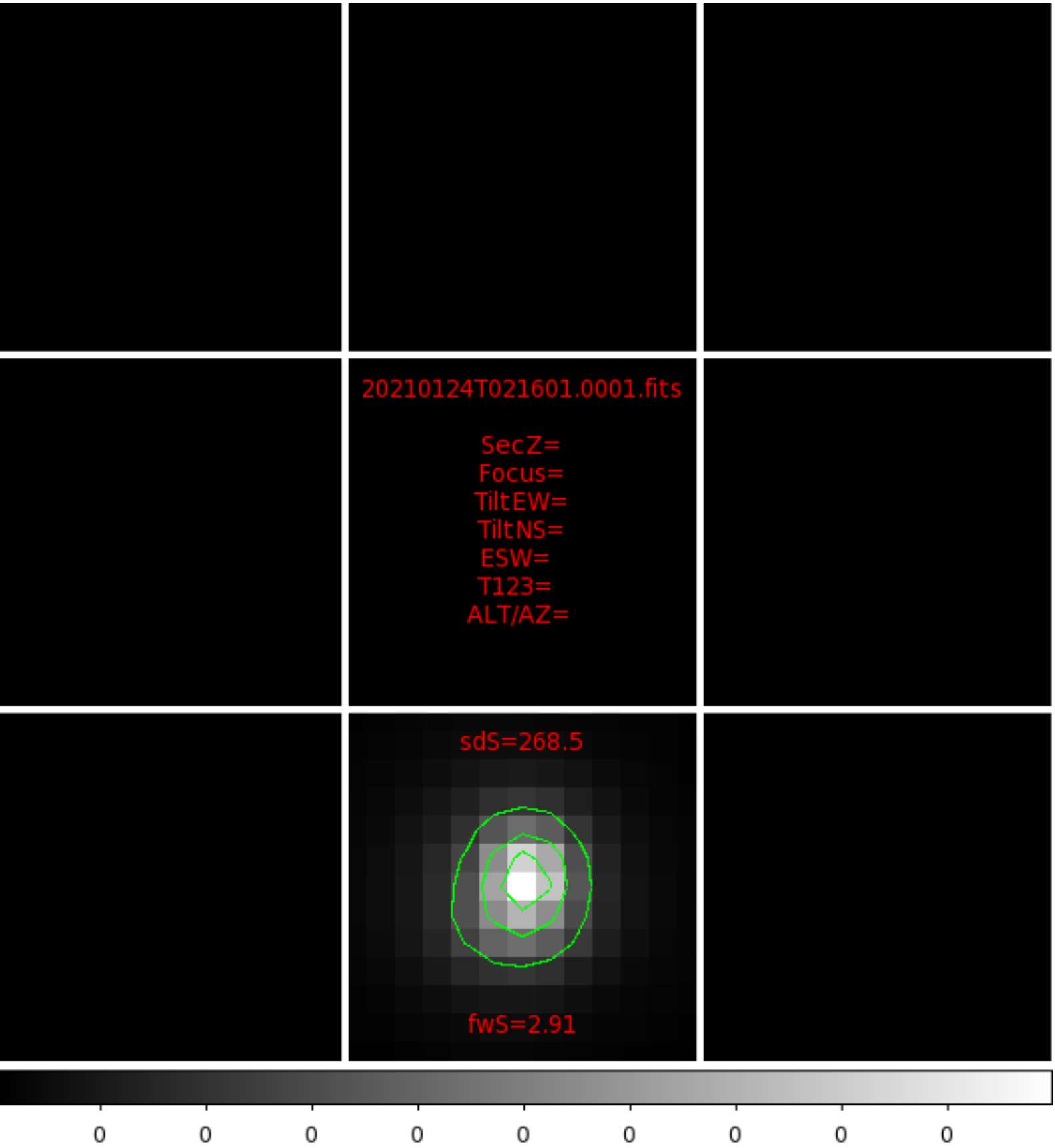
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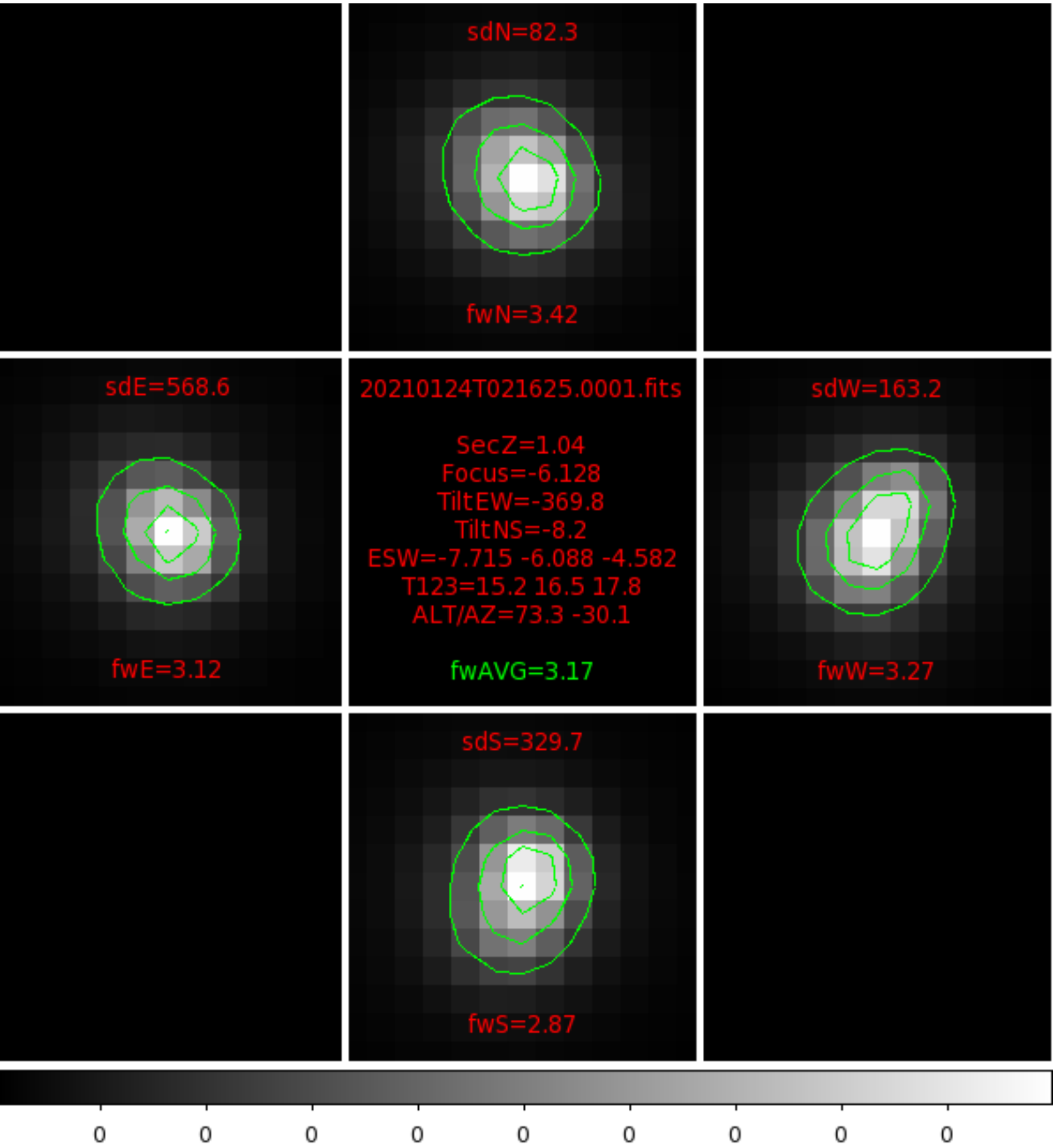
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Focus=-6.128
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TiltNS=-8.2
ESW=-7.715 -6.088 -4.582
T123=15.2 16.5 17.8
ALT/AZ=73.3 -30.1
fwAVG=3.17
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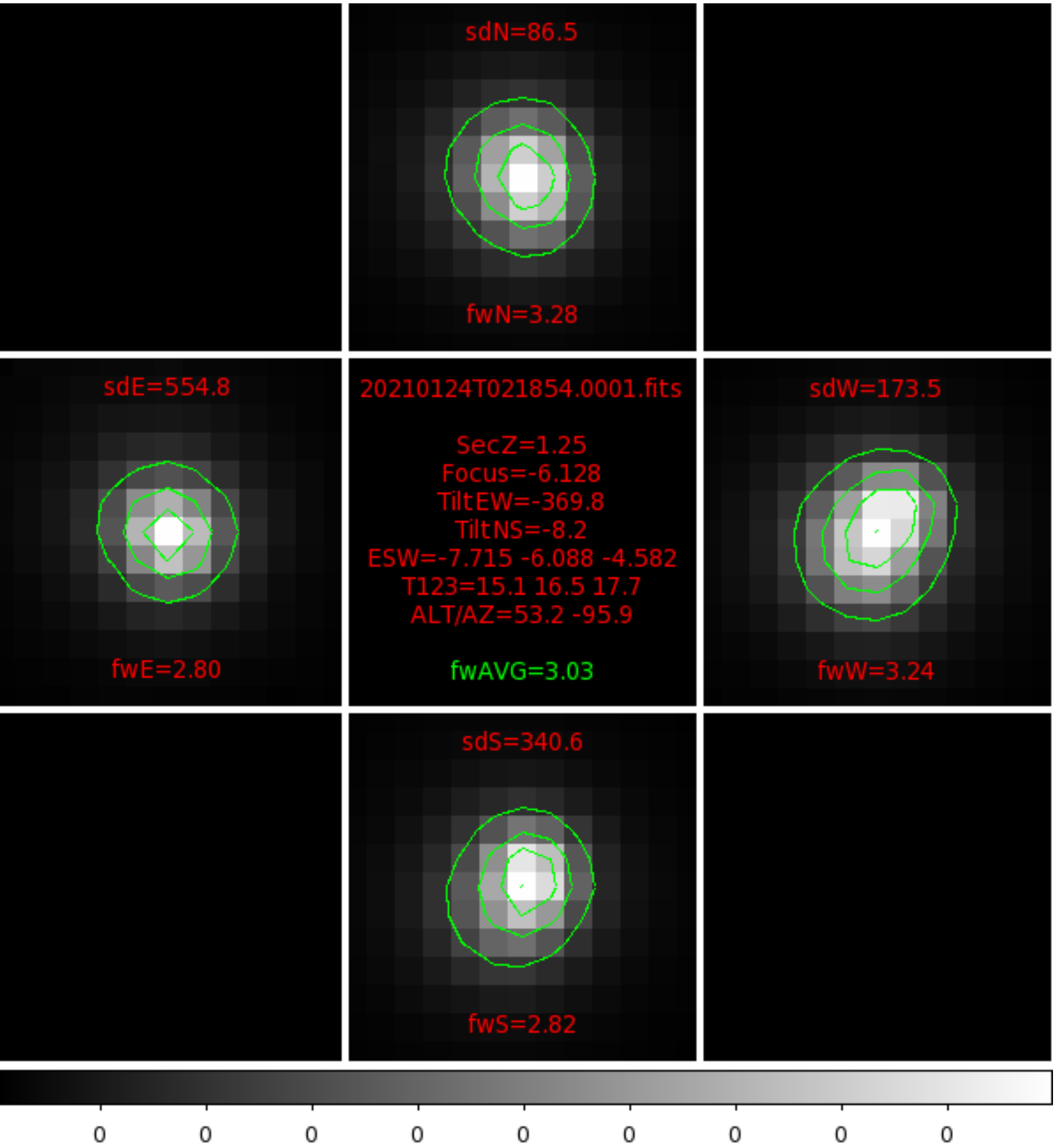
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ESW=-7.715 -6.088 -4.582
T123=15.1 16.5 17.7
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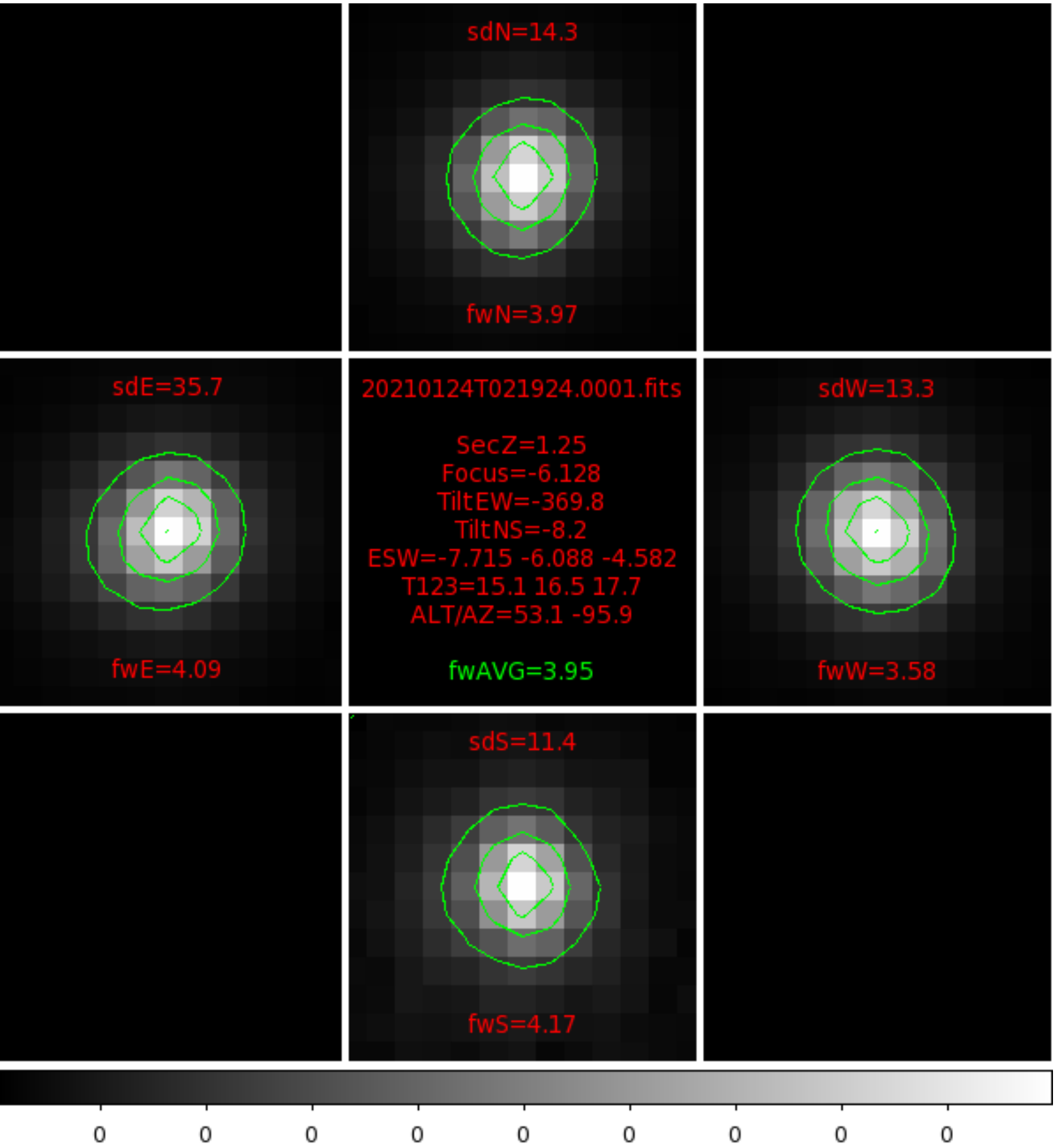
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ESW=-7.715 -6.088 -4.582
T123=15.1 16.5 17.7
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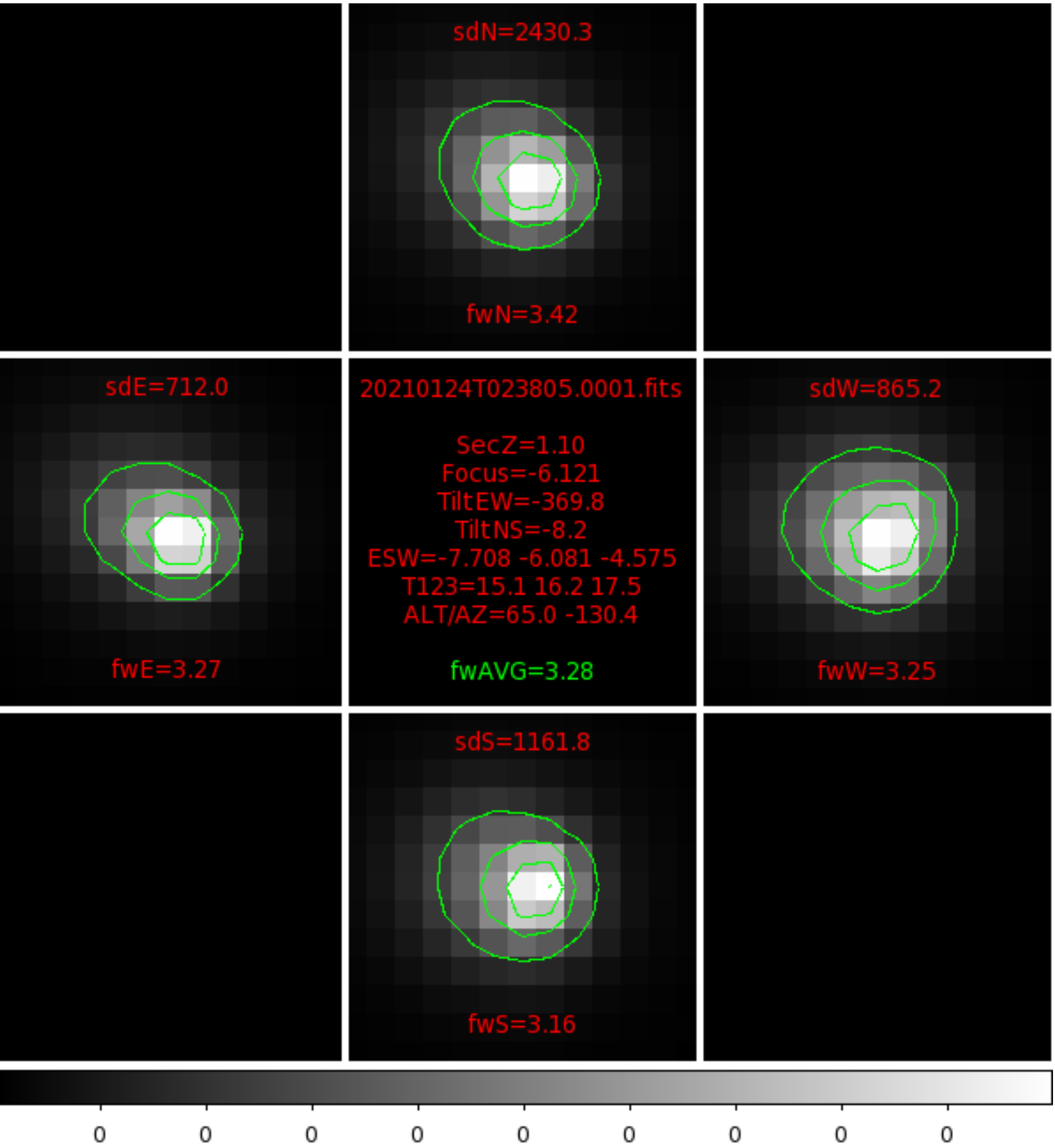
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ESW=-7.708 -6.081 -4.575
T123=15.1 16.2 17.5
ALT/AZ=65.0 -130.4
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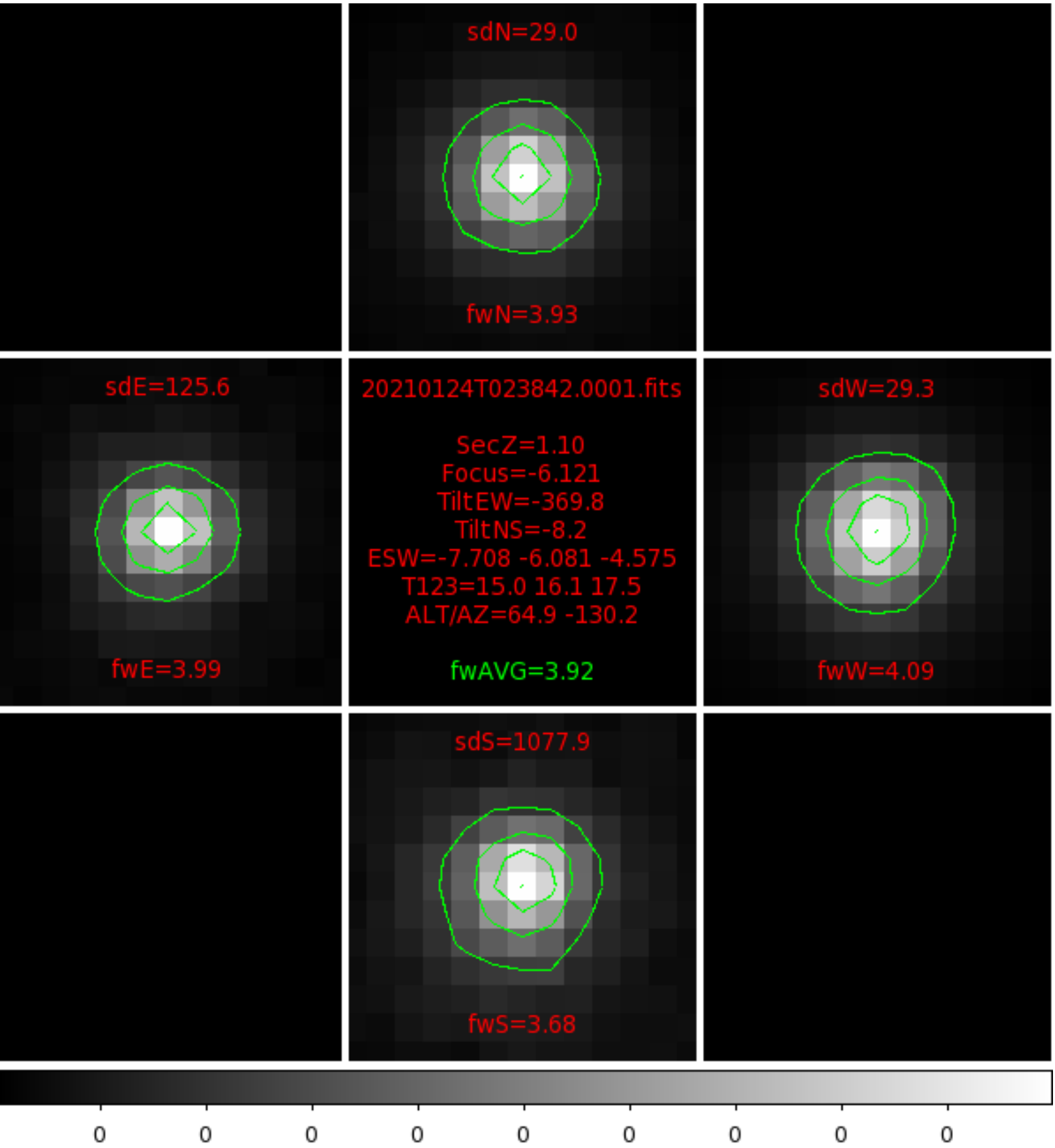
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TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.0 16.1 17.5
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fwAVG=3.92
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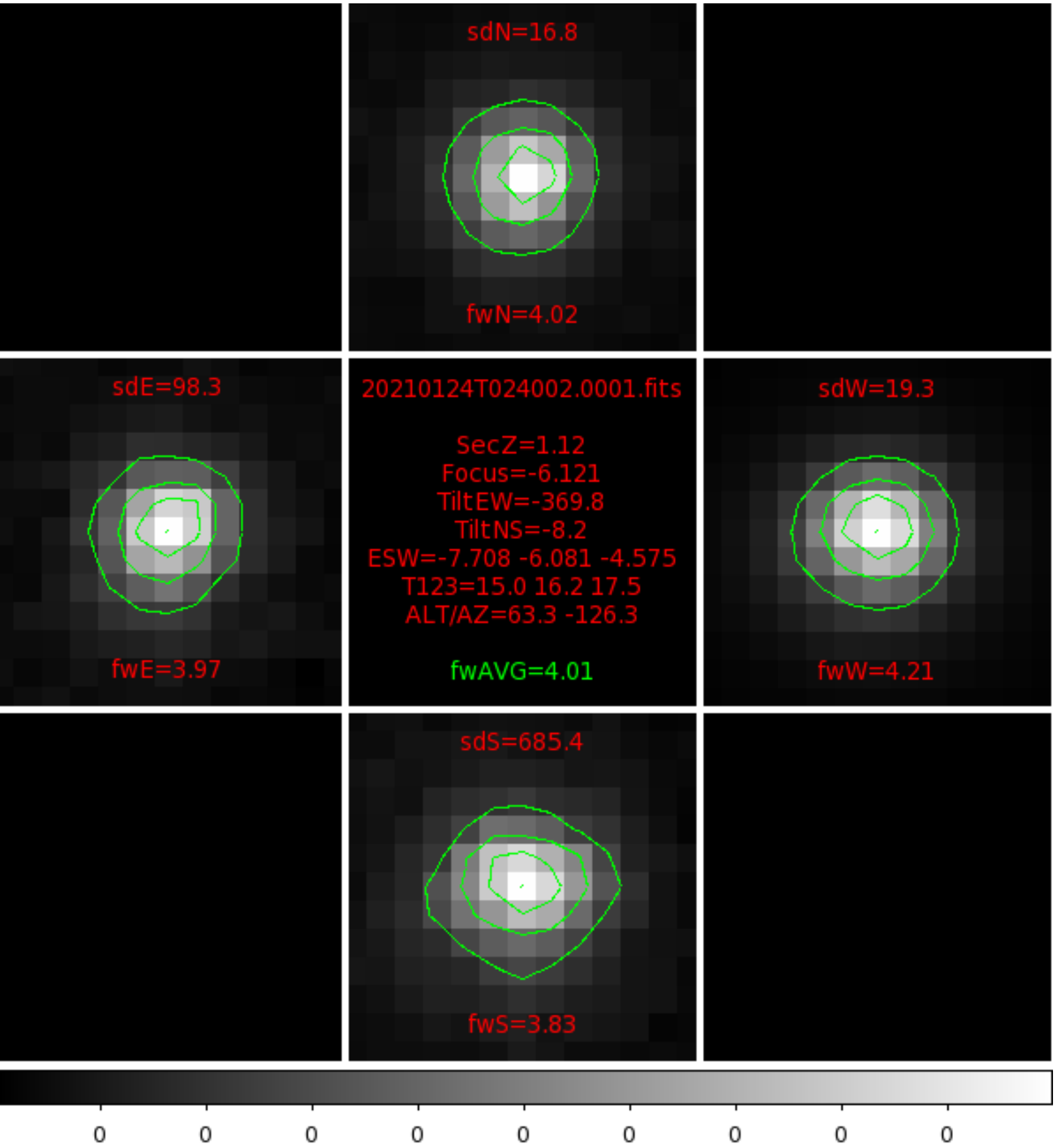
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SecZ=1.12
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TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.0 16.2 17.5
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fwAVG=4.01
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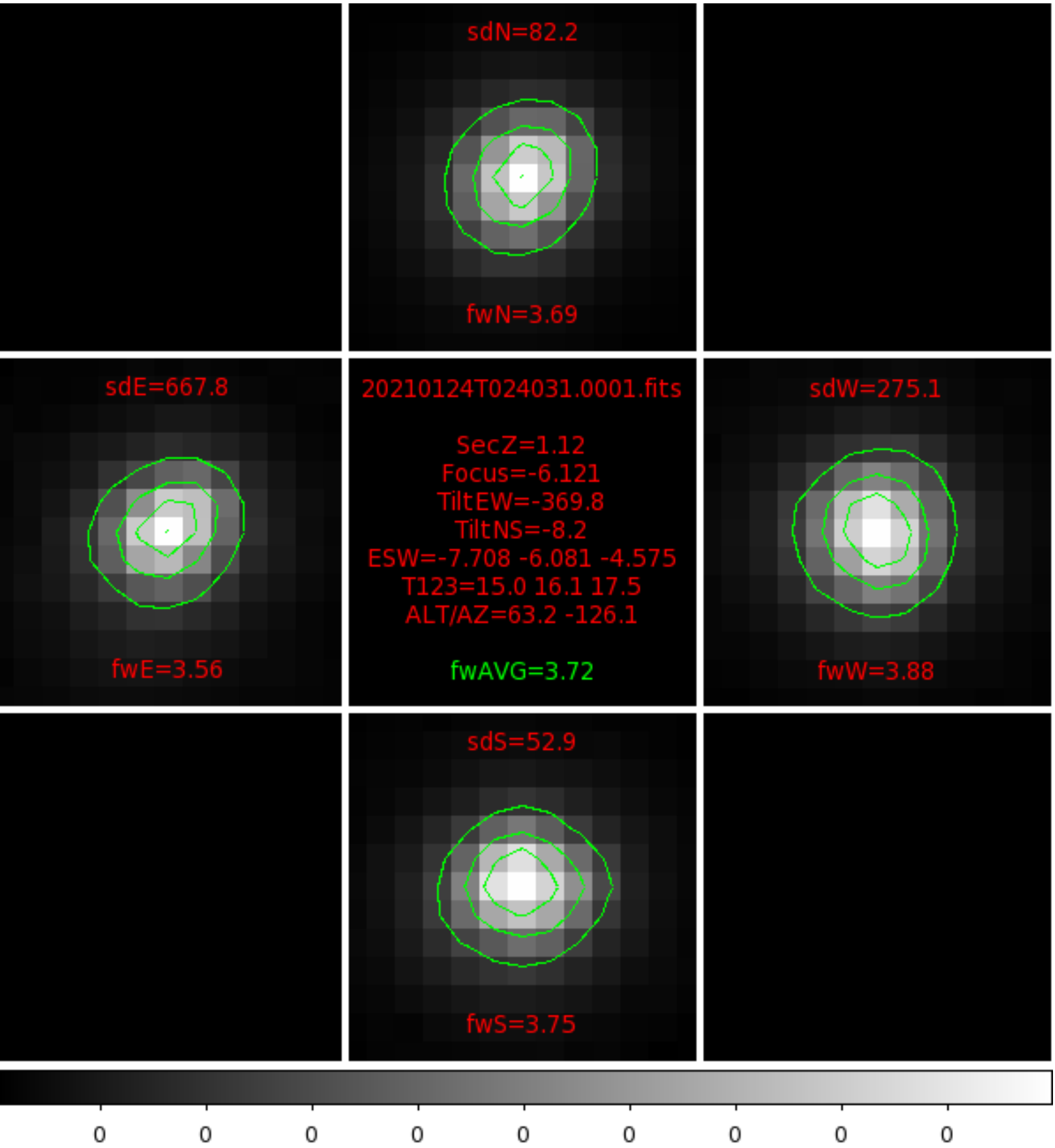
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T123=15.0 16.1 17.5
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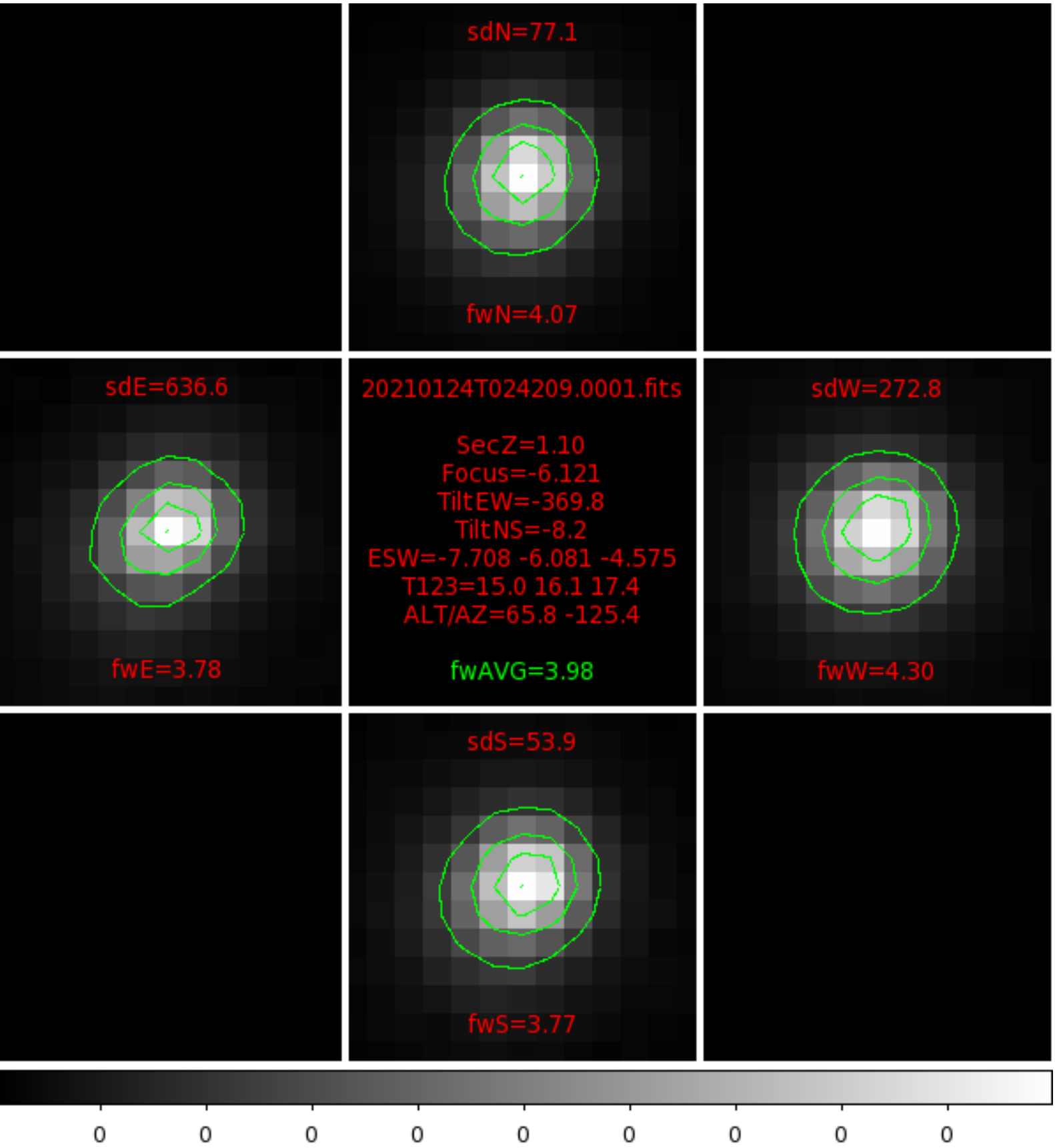
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ESW=-7.708 -6.081 -4.575
T123=15.0 16.1 17.4
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fwAVG=3.98
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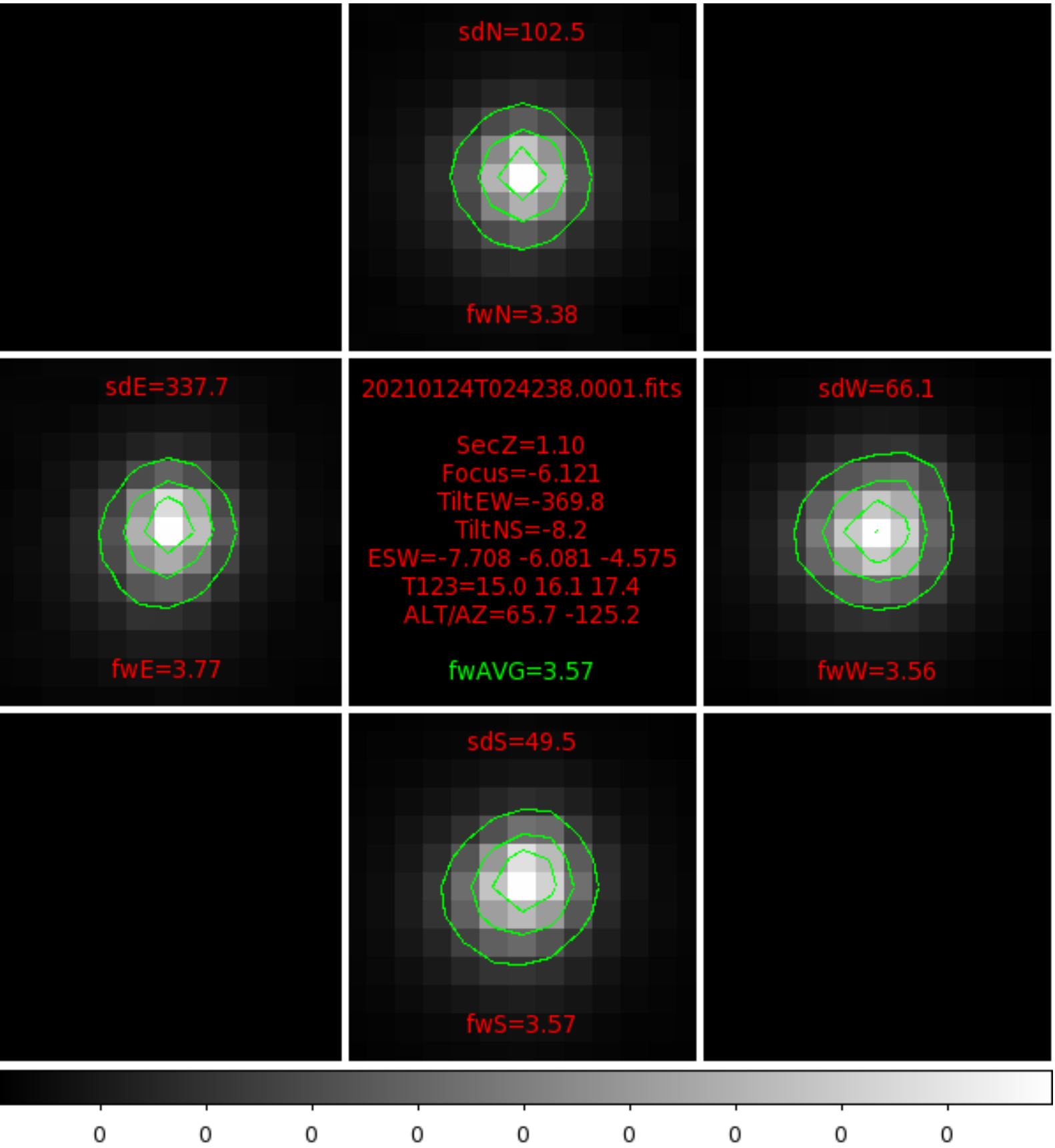
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T123=15.0 16.1 17.4
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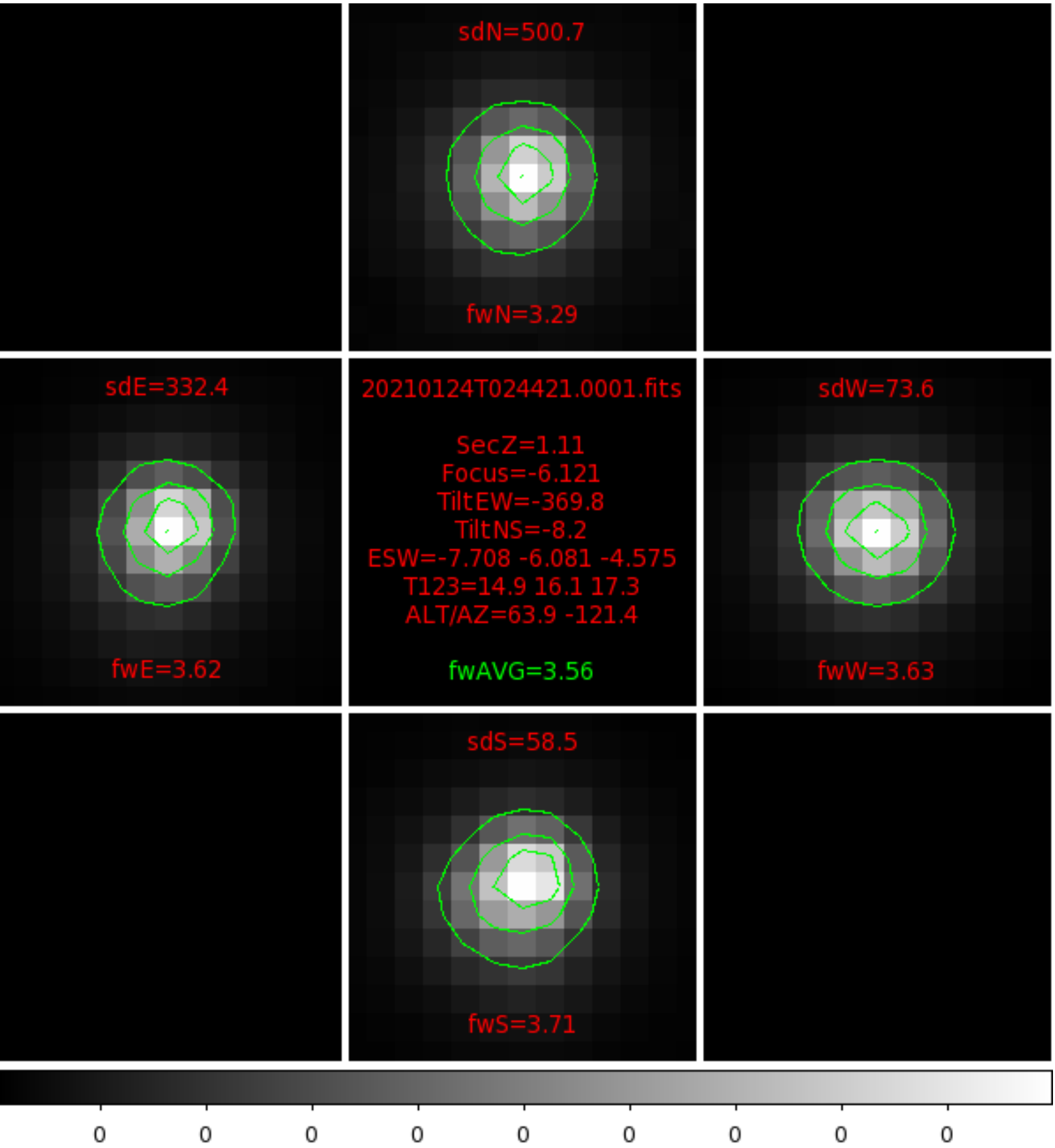
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ESW=-7.708 -6.081 -4.575
T123=14.9 16.1 17.3
ALT/AZ=63.9 -121.4
fwAVG=3.56
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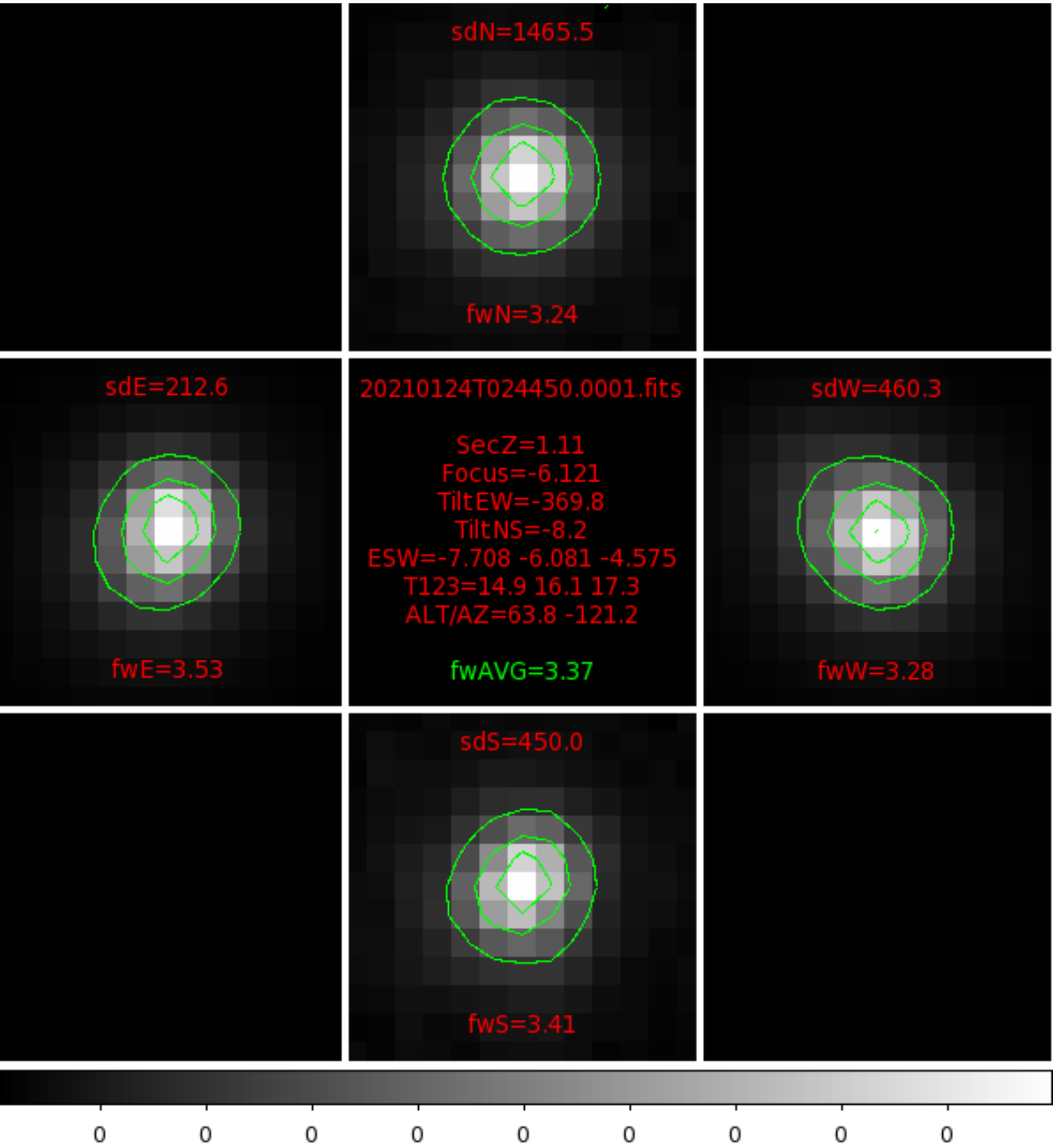
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SecZ=1.11
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=14.9 16.1 17.3
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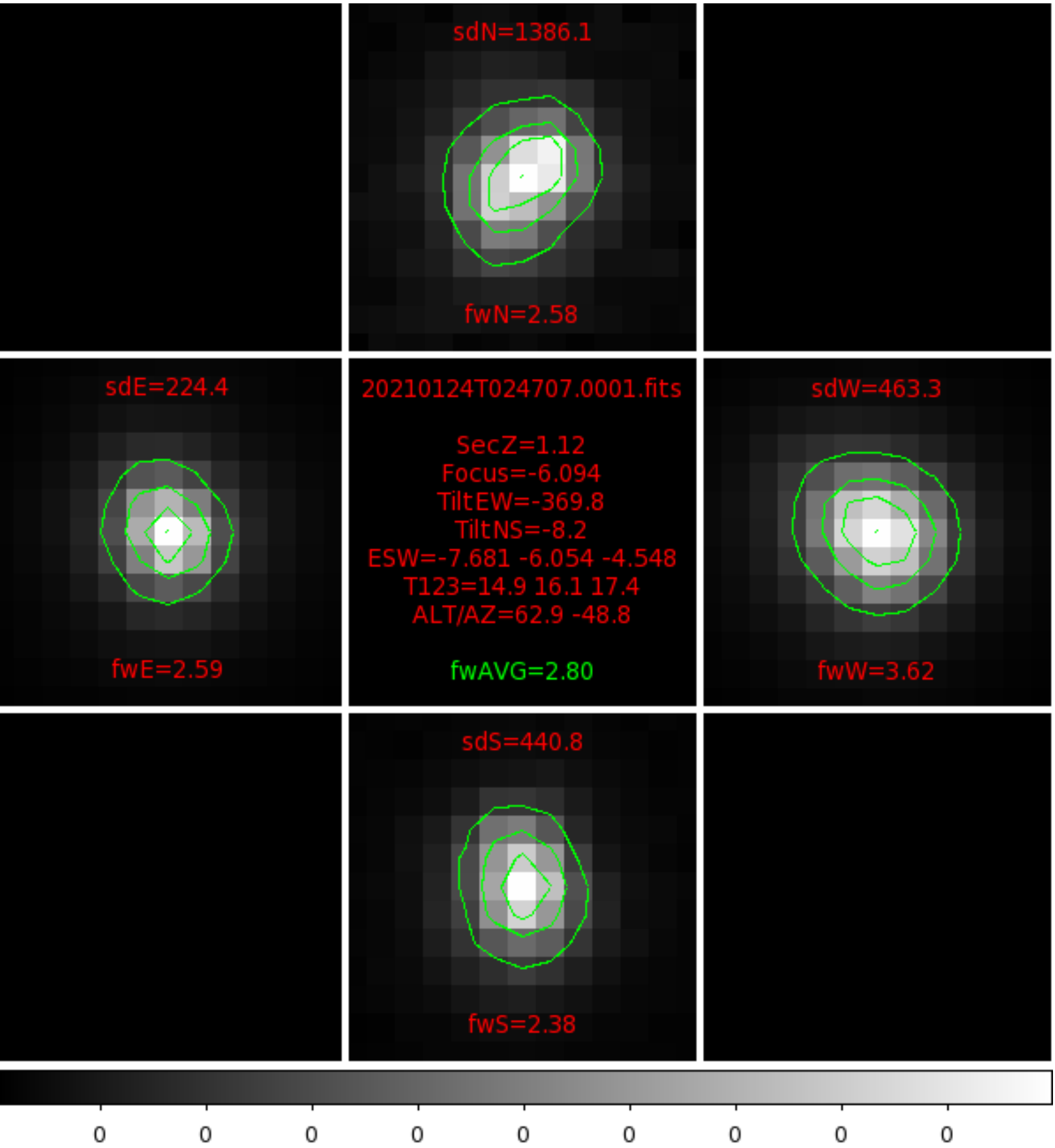
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SecZ=1.12
Focus=-6.094
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.681 -6.054 -4.548
T123=14.9 16.1 17.4
ALT/AZ=62.9 -48.8
fwAVG=2.80
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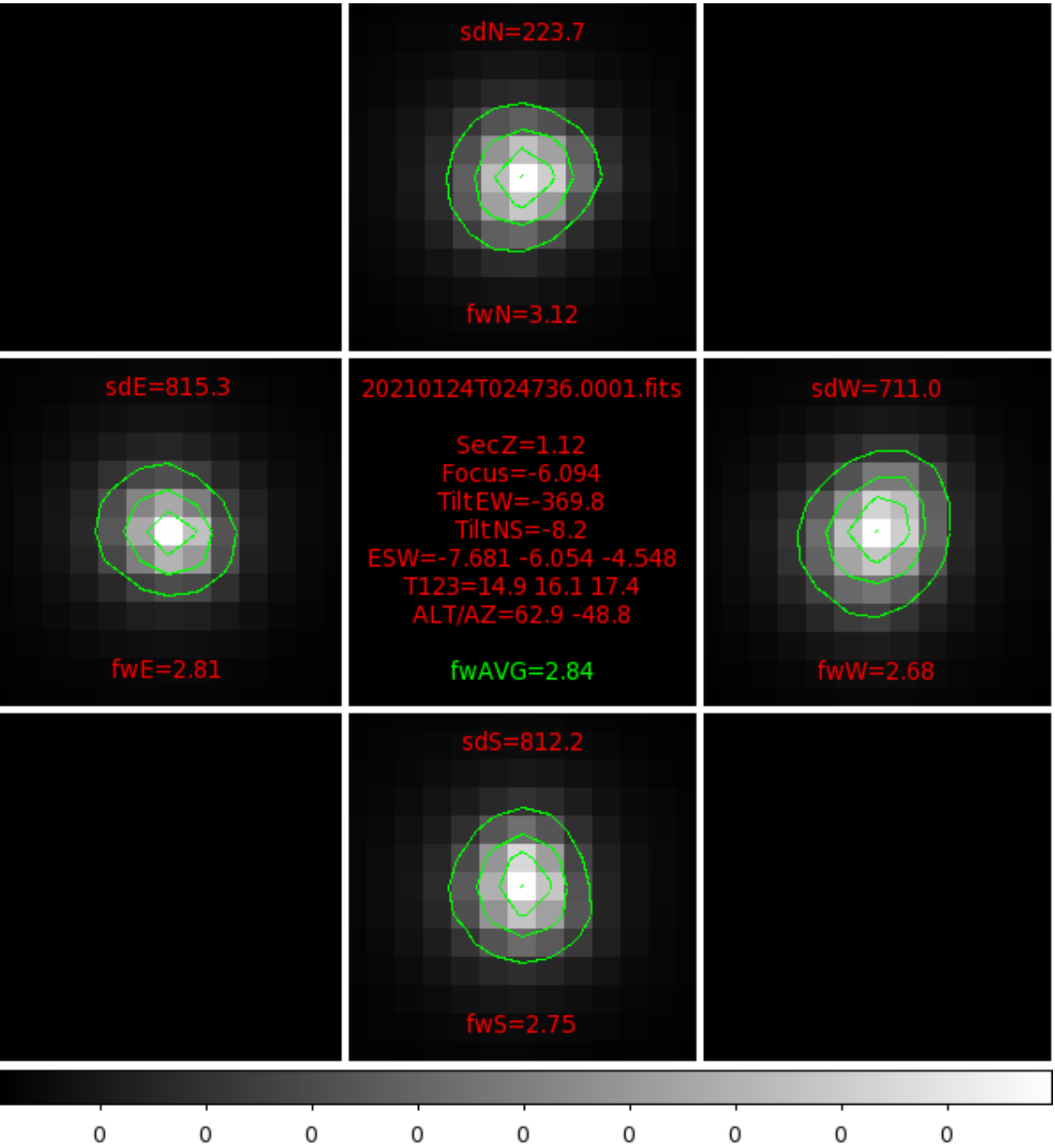
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SecZ=1.12
Focus=-6.094
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.681 -6.054 -4.548
T123=14.9 16.1 17.4
ALT/AZ=62.9 -48.8
fwAVG=2.84
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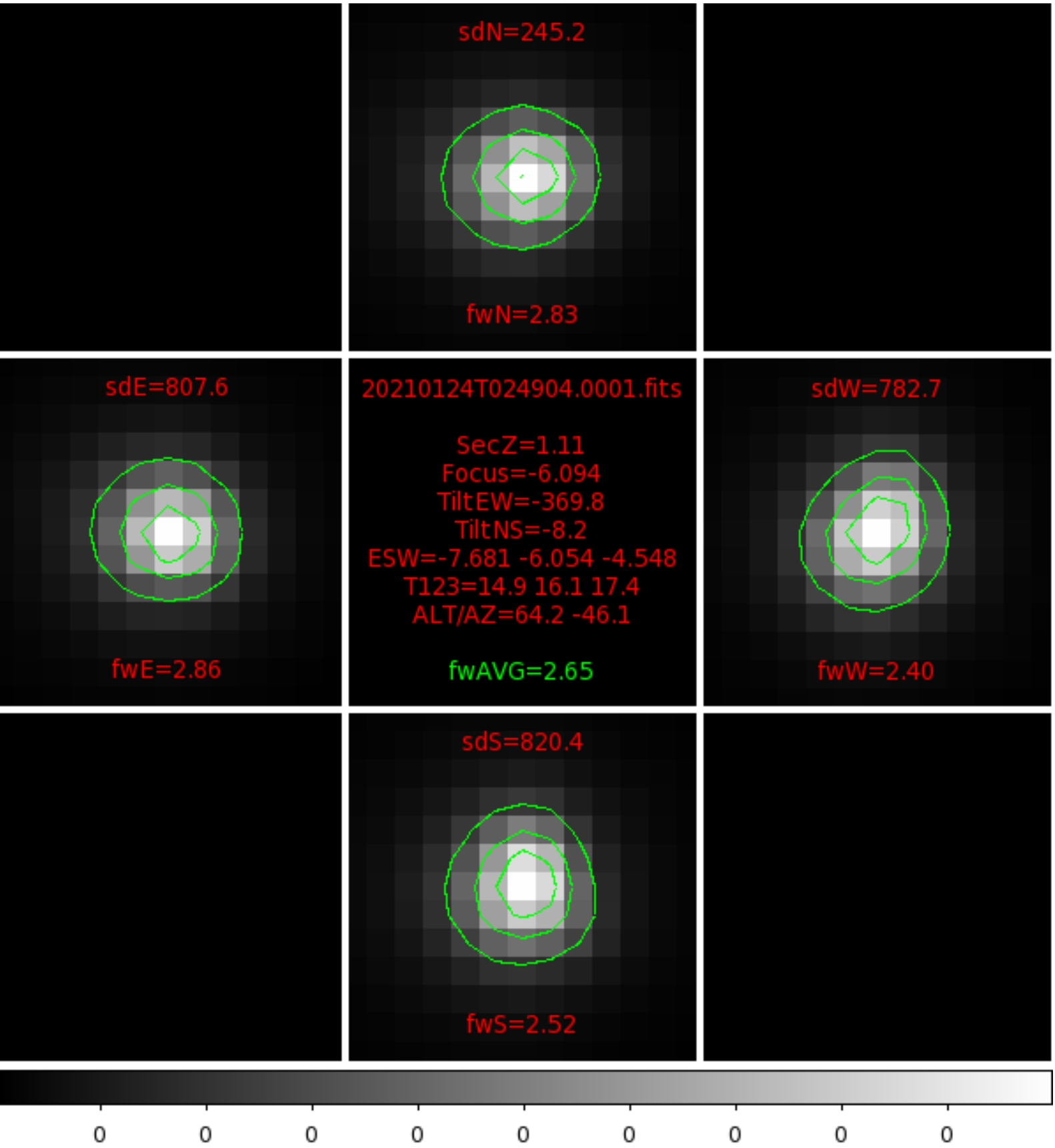
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SecZ=1.11
Focus=-6.094
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TiltNS=-8.2
ESW=-7.681 -6.054 -4.548
T123=14.9 16.1 17.4
ALT/AZ=64.2 -46.1
fwAVG=2.65
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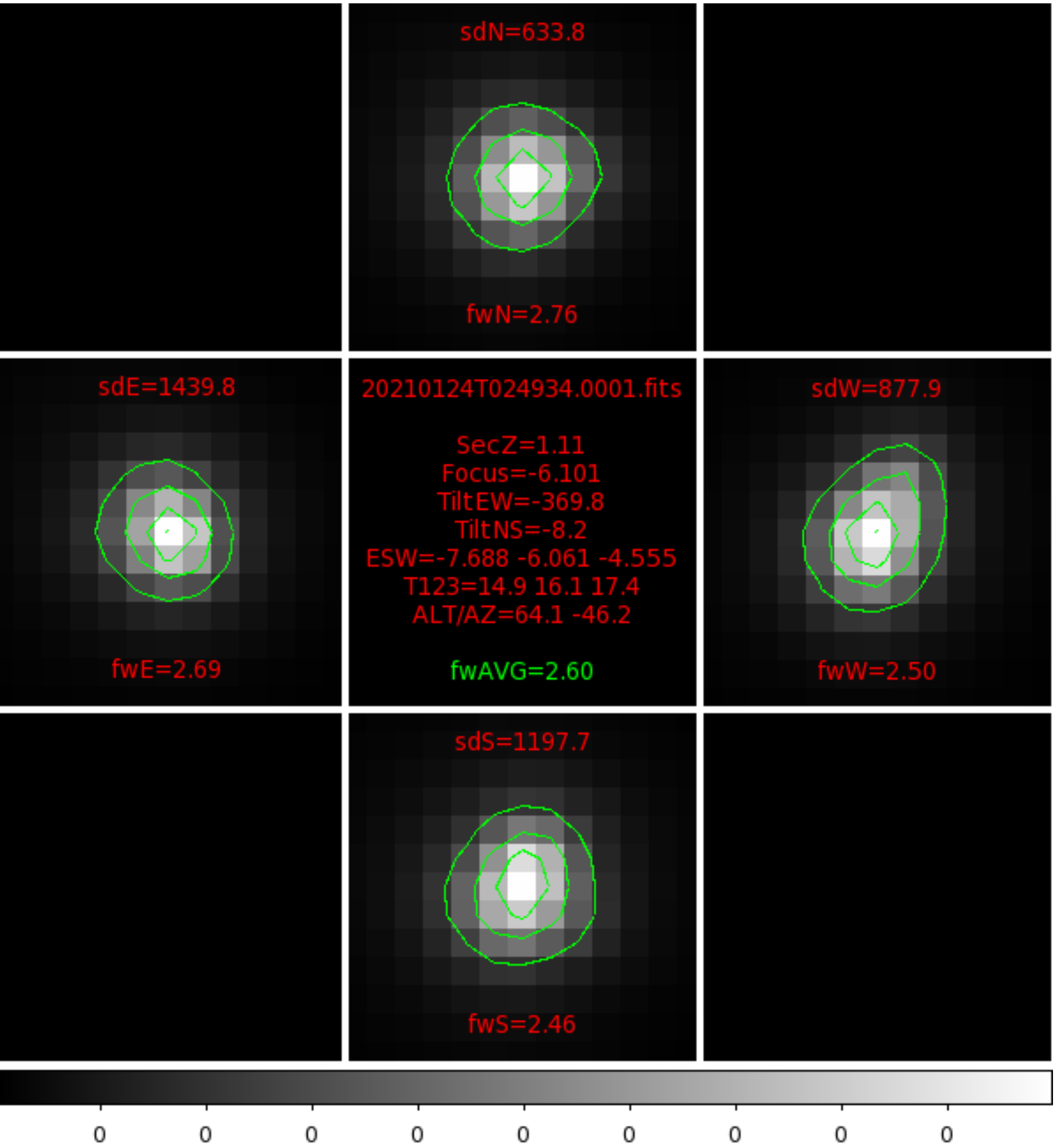
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sdE=1439.8
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SecZ=1.11
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.688 -6.061 -4.555
T123=14.9 16.1 17.4
ALT/AZ=64.1 -46.2
fwAVG=2.60
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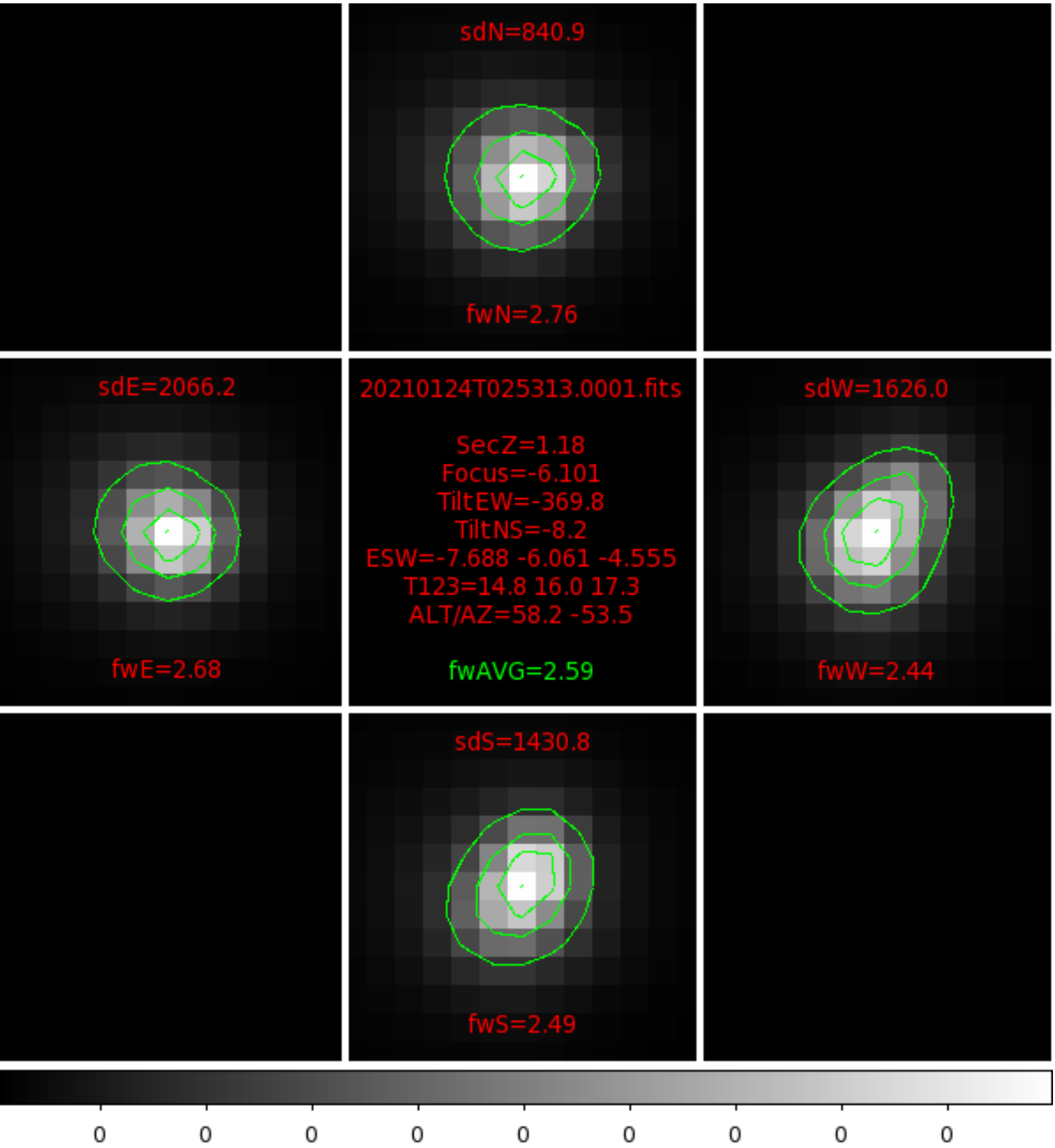
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sdE=2066.2
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SecZ=1.18
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TiltNS=-8.2
ESW=-7.688 -6.061 -4.555
T123=14.8 16.0 17.3
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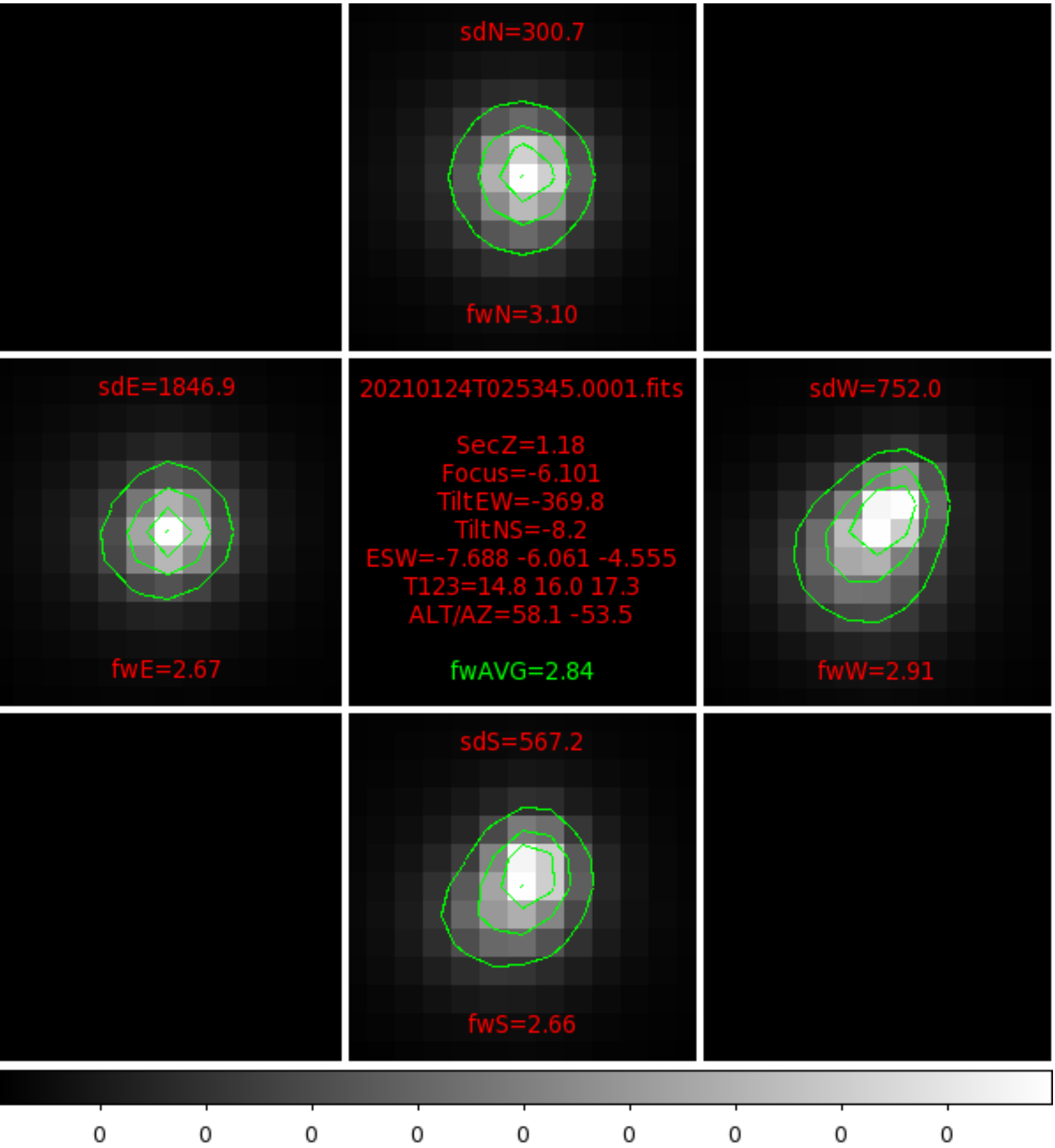
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T123=14.8 16.0 17.3
ALT/AZ=58.1 -53.5
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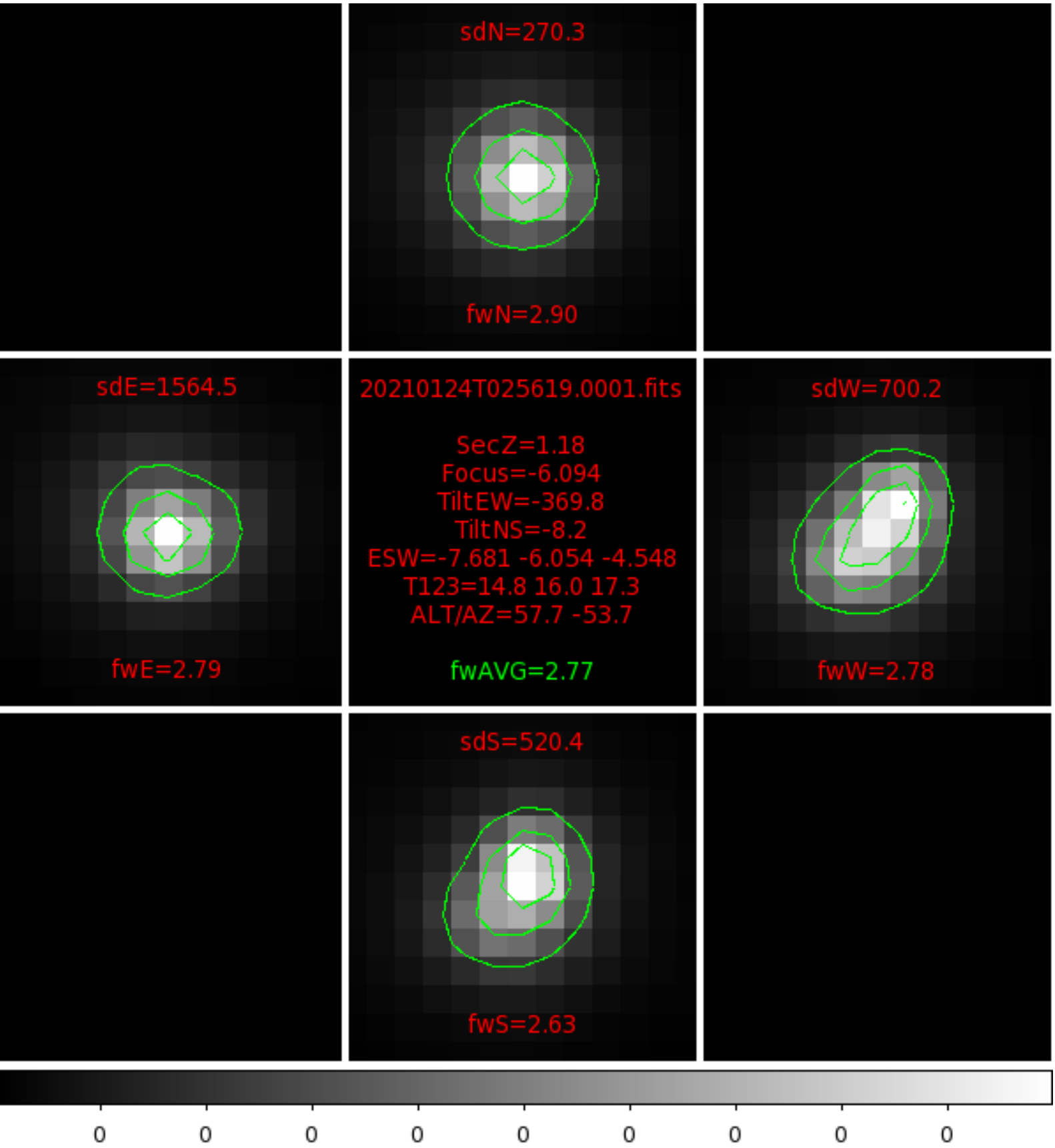
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.681 -6.054 -4.548
T123=14.8 16.0 17.3
ALT/AZ=57.7 -53.7
fwAVG=2.77
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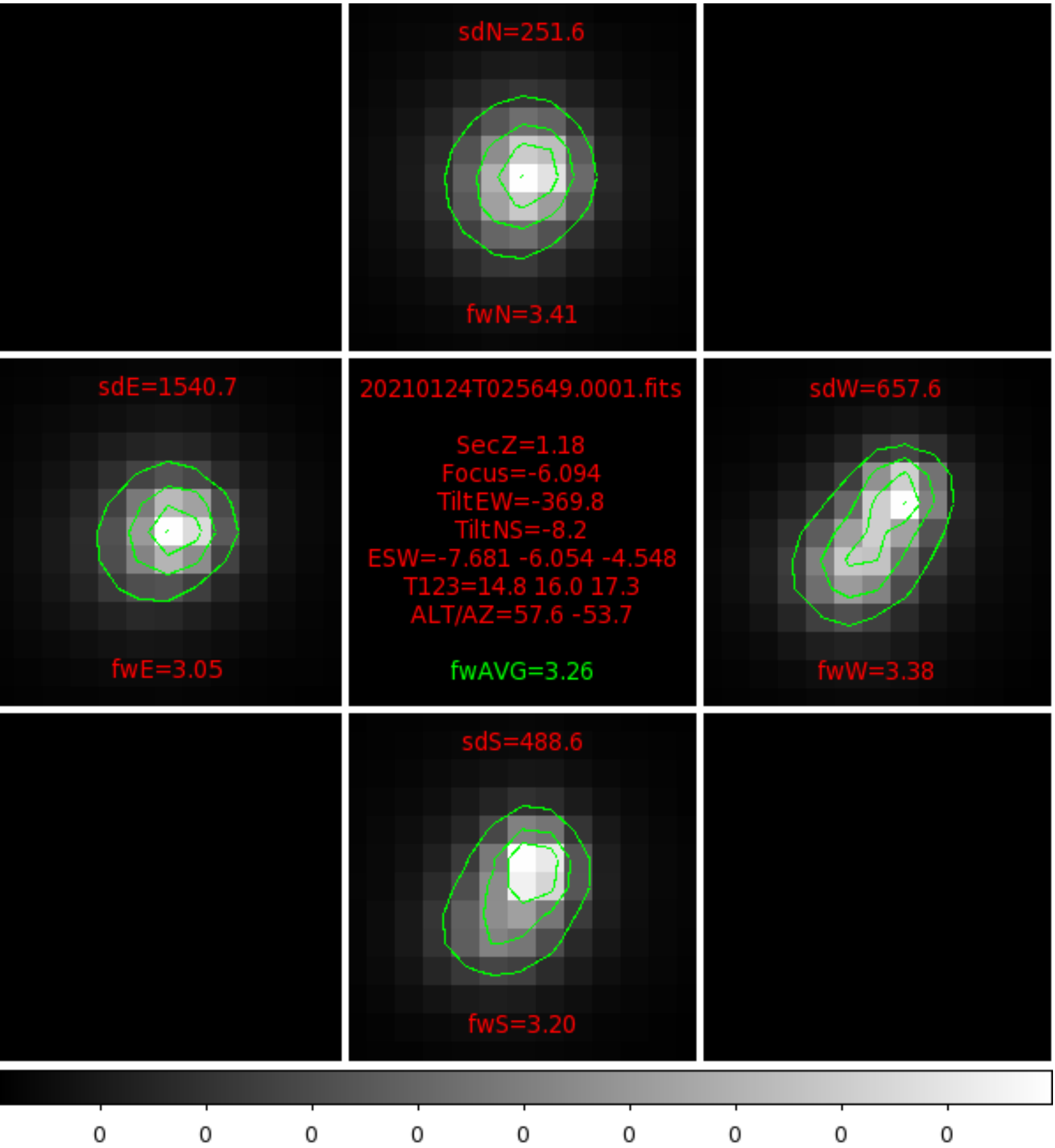
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ESW=-7.681 -6.054 -4.548
T123=14.8 16.0 17.3
ALT/AZ=57.6 -53.7
fwAVG=3.26
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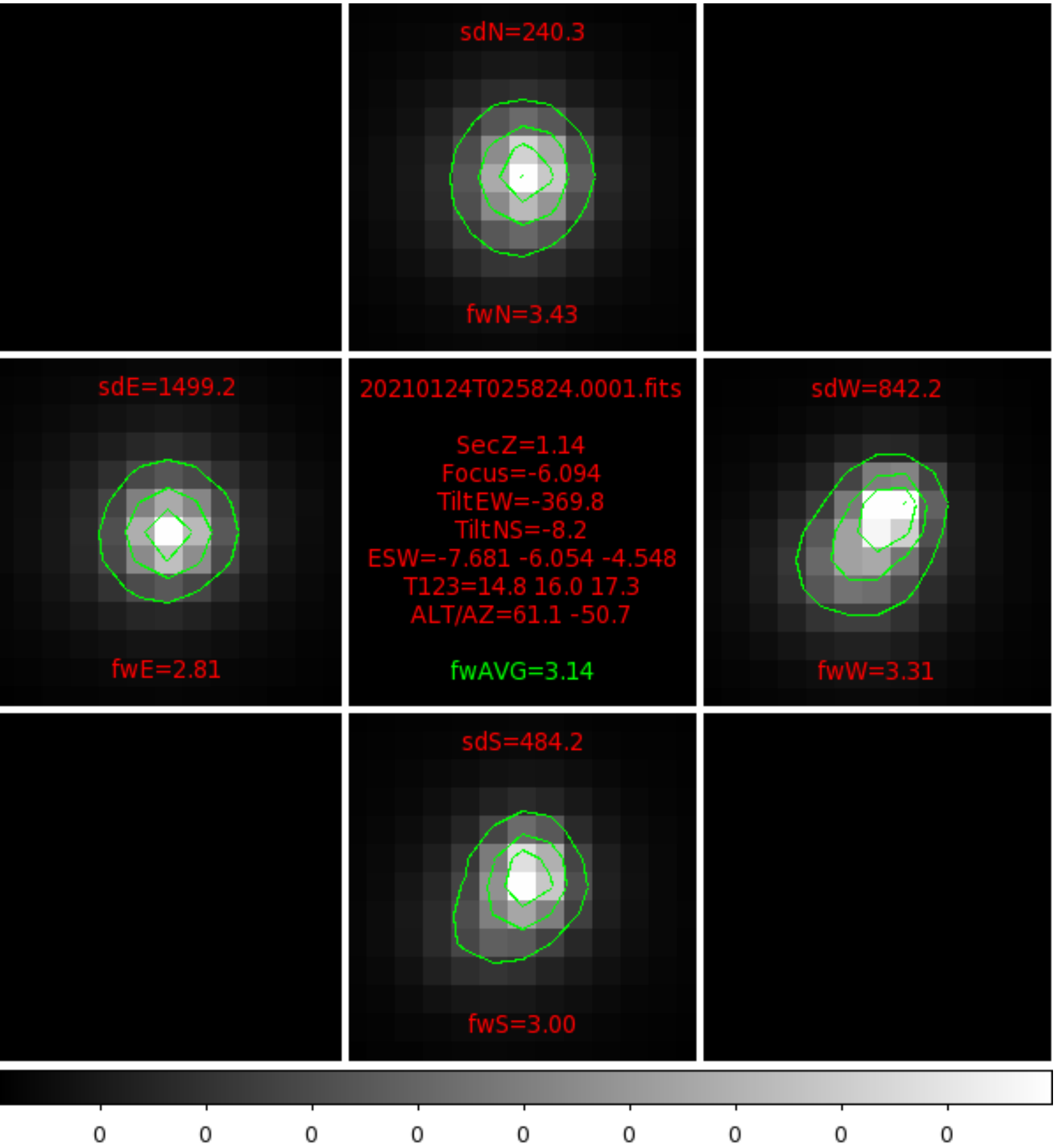
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ESW=-7.681 -6.054 -4.548
T123=14.8 16.0 17.3
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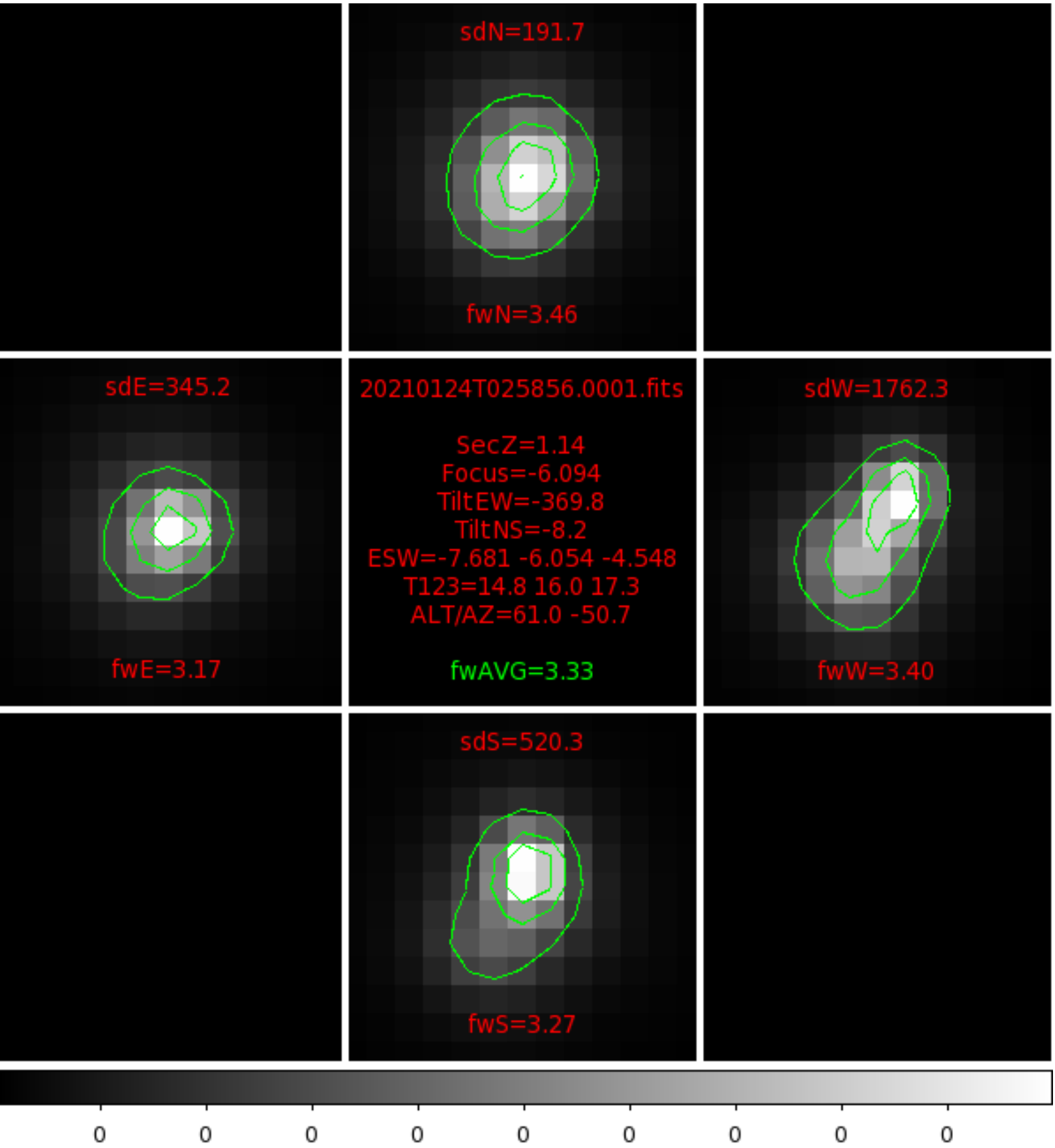
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TiltNS=-8.2
ESW=-7.681 -6.054 -4.548
T123=14.8 16.0 17.3
ALT/AZ=61.0 -50.7
fwAVG=3.33
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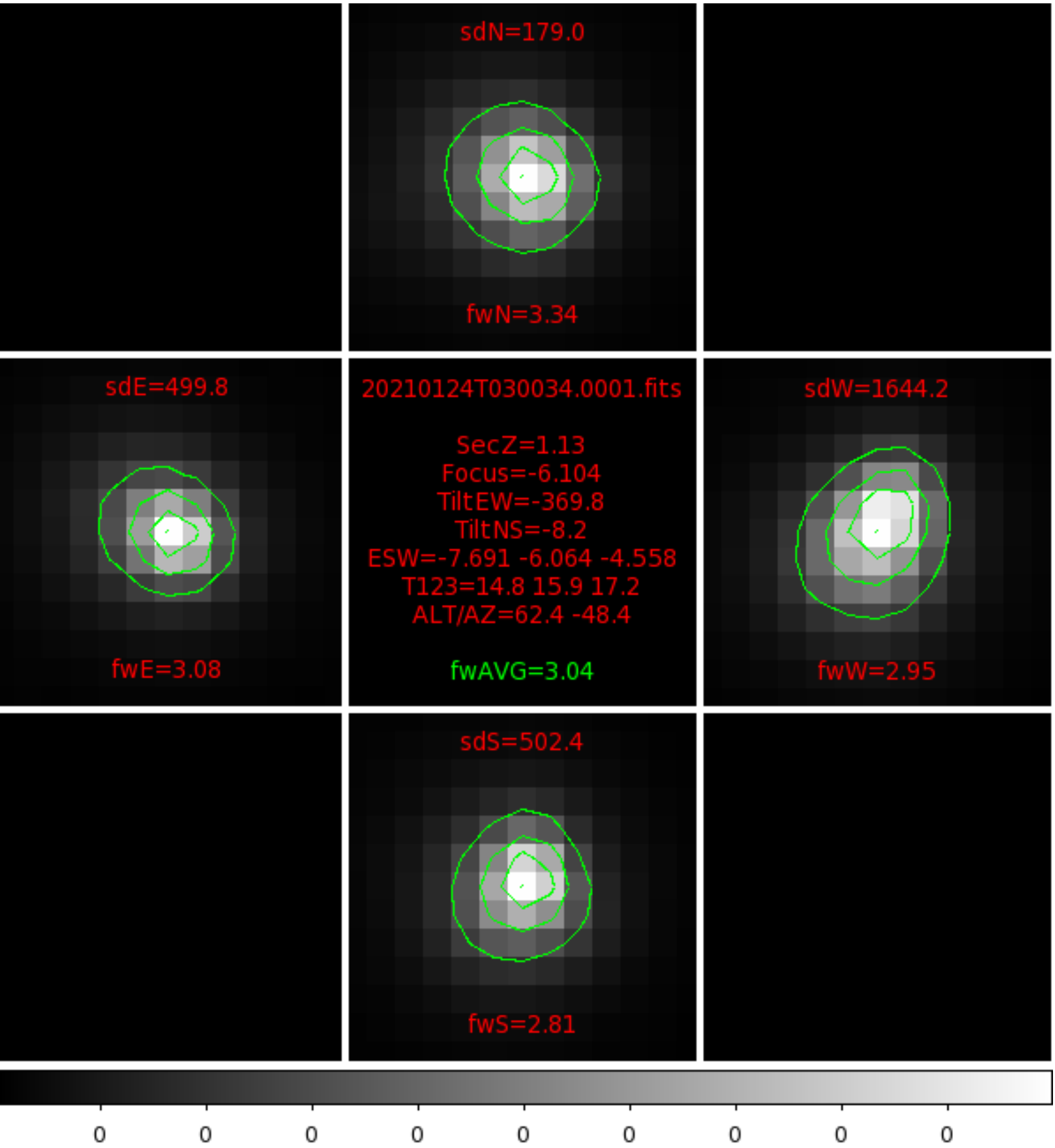
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TiltNS=-8.2
ESW=-7.691 -6.064 -4.558
T123=14.8 15.9 17.2
ALT/AZ=62.4 -48.4
fwAVG=3.04
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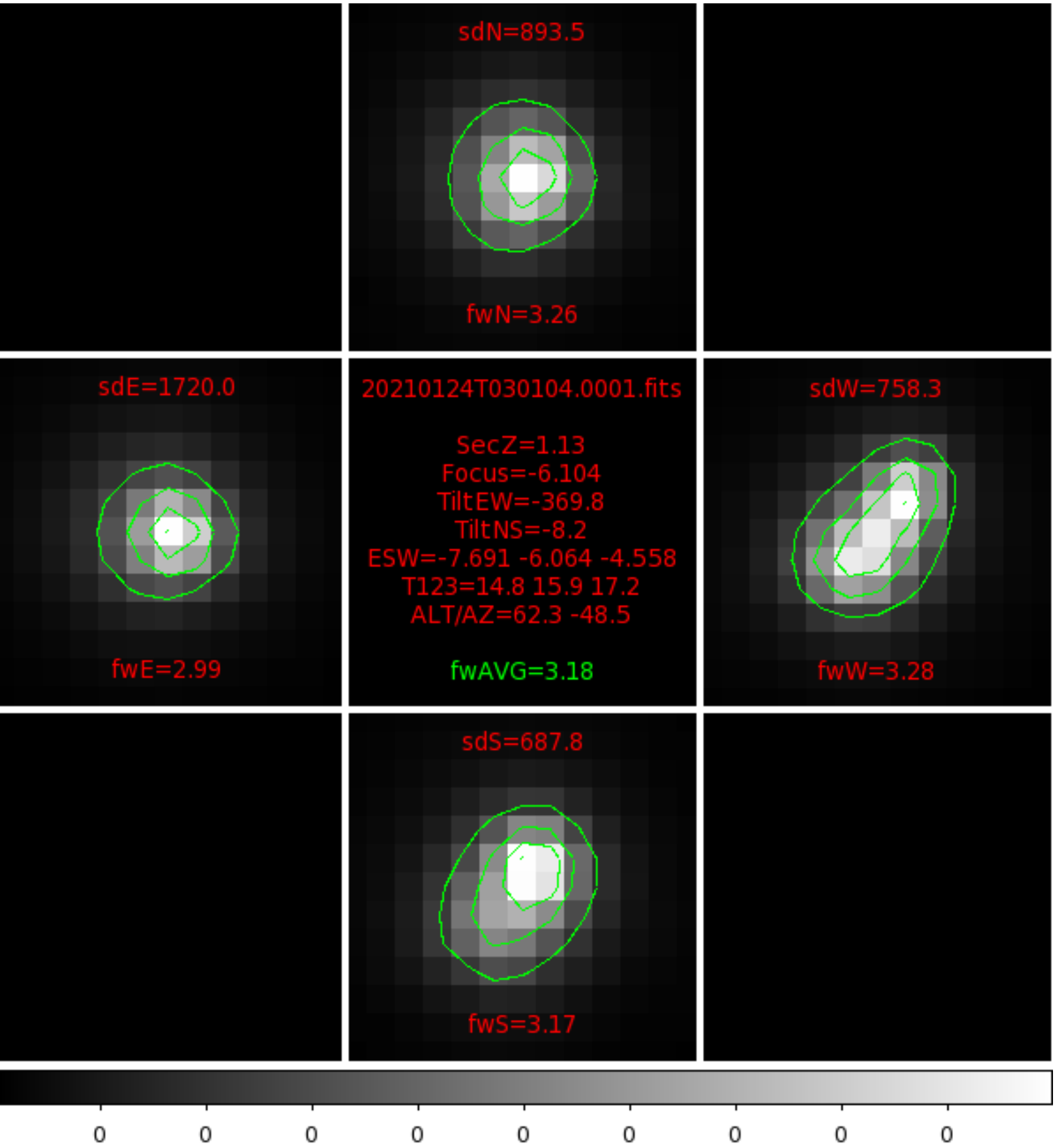
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SecZ=1.13
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TiltNS=-8.2
ESW=-7.691 -6.064 -4.558
T123=14.8 15.9 17.2
ALT/AZ=62.3 -48.5
fwAVG=3.18
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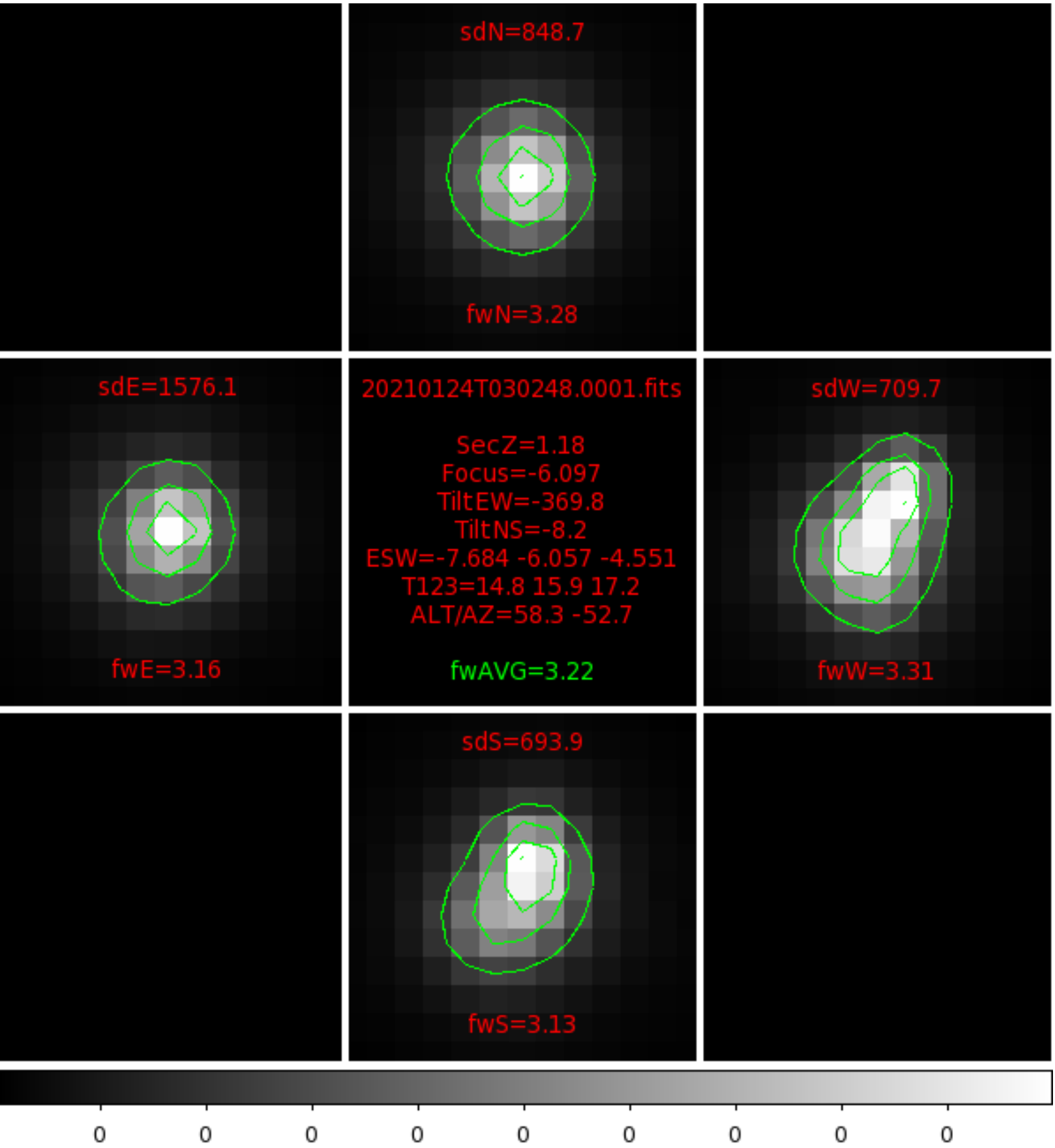
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TiltNS=-8.2
ESW=-7.684 -6.057 -4.551
T123=14.8 15.9 17.2
ALT/AZ=58.3 -52.7
fwAVG=3.22
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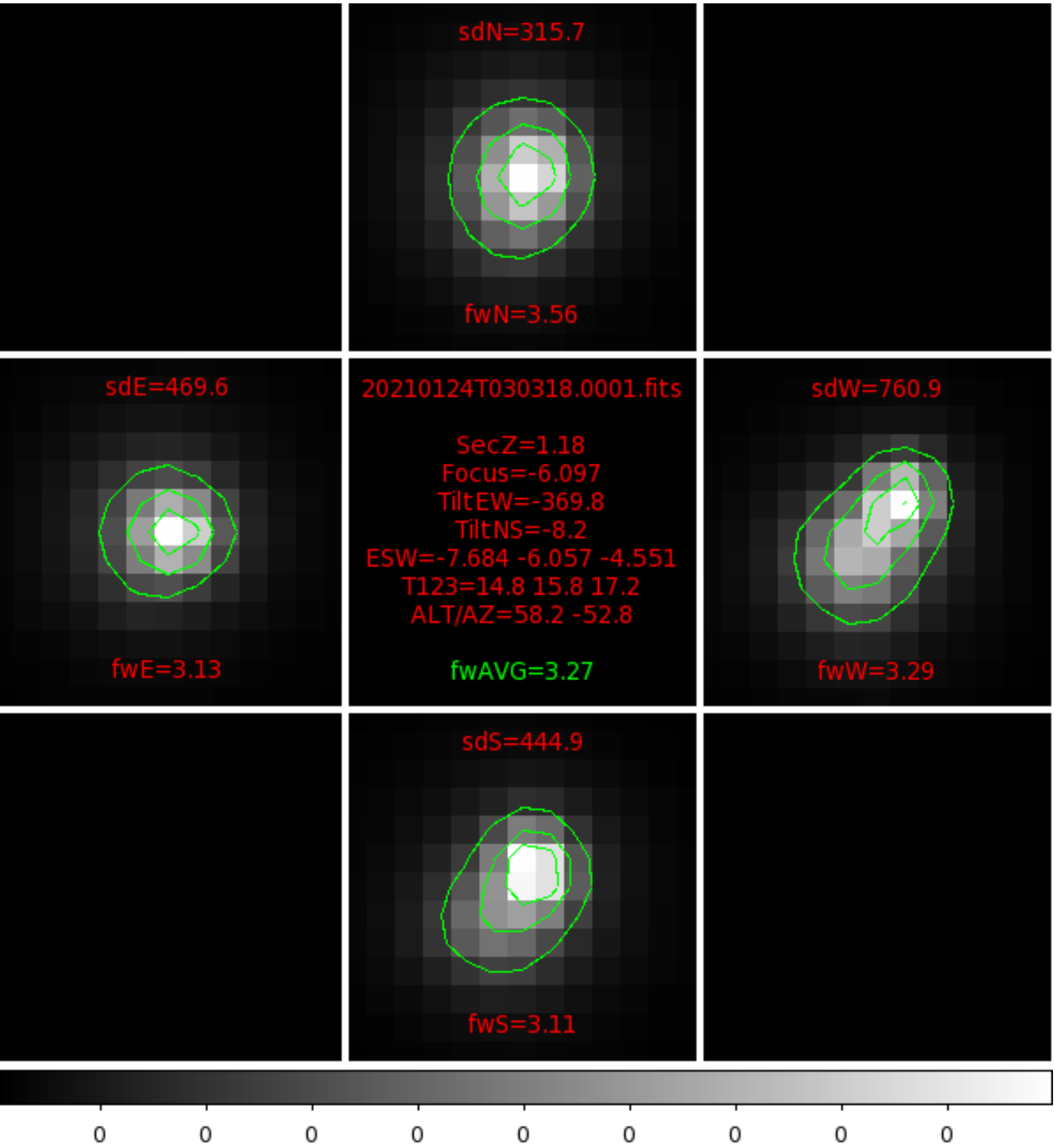
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SecZ=1.18
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.684 -6.057 -4.551
T123=14.8 15.8 17.2
ALT/AZ=58.2 -52.8
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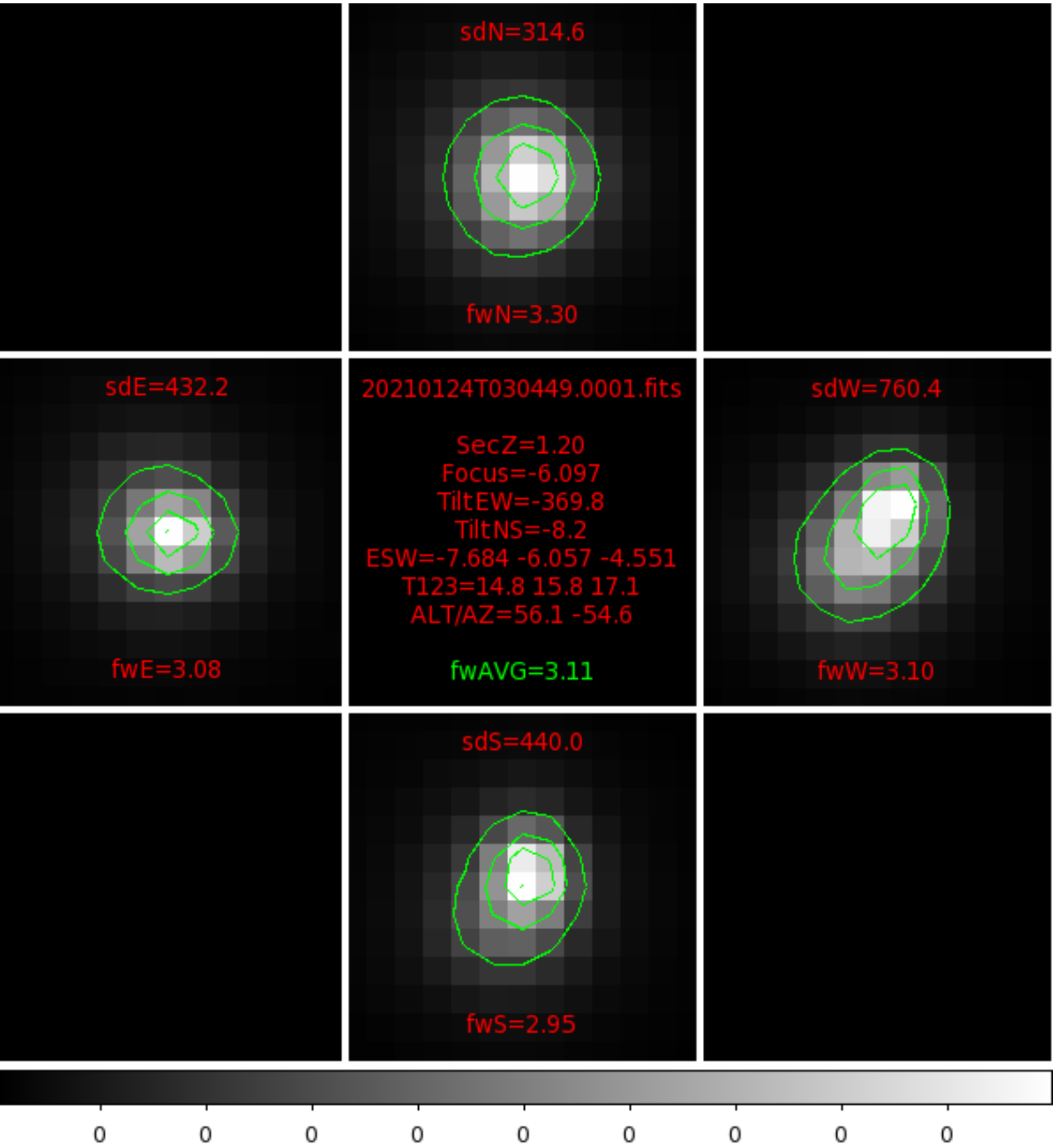
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TiltNS=-8.2
ESW=-7.684 -6.057 -4.551
T123=14.8 15.8 17.1
ALT/AZ=56.1 -54.6
fwAVG=3.11
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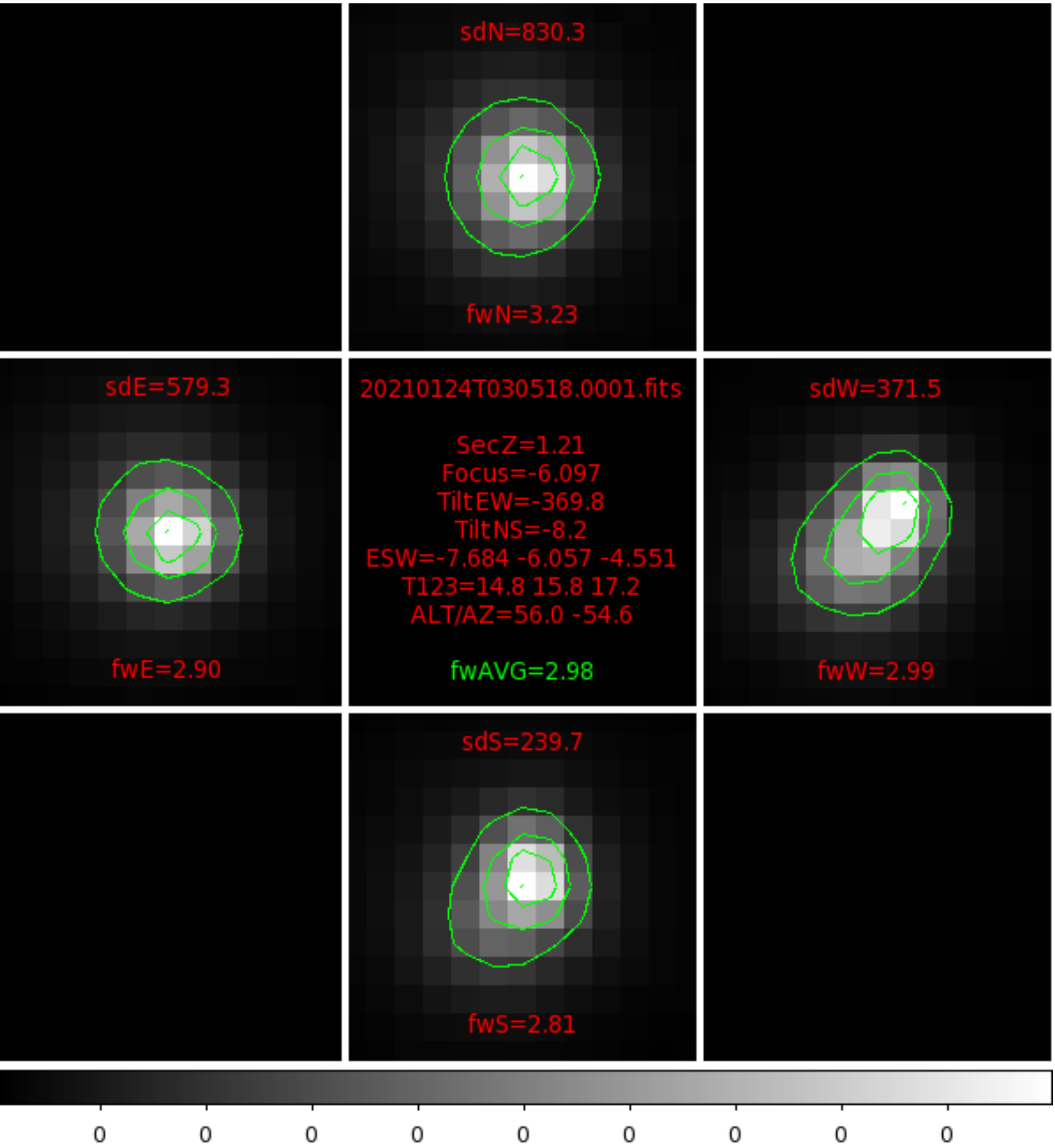
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SecZ=1.21
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TiltNS=-8.2
ESW=-7.684 -6.057 -4.551
T123=14.8 15.8 17.2
ALT/AZ=56.0 -54.6
fwAVG=2.98
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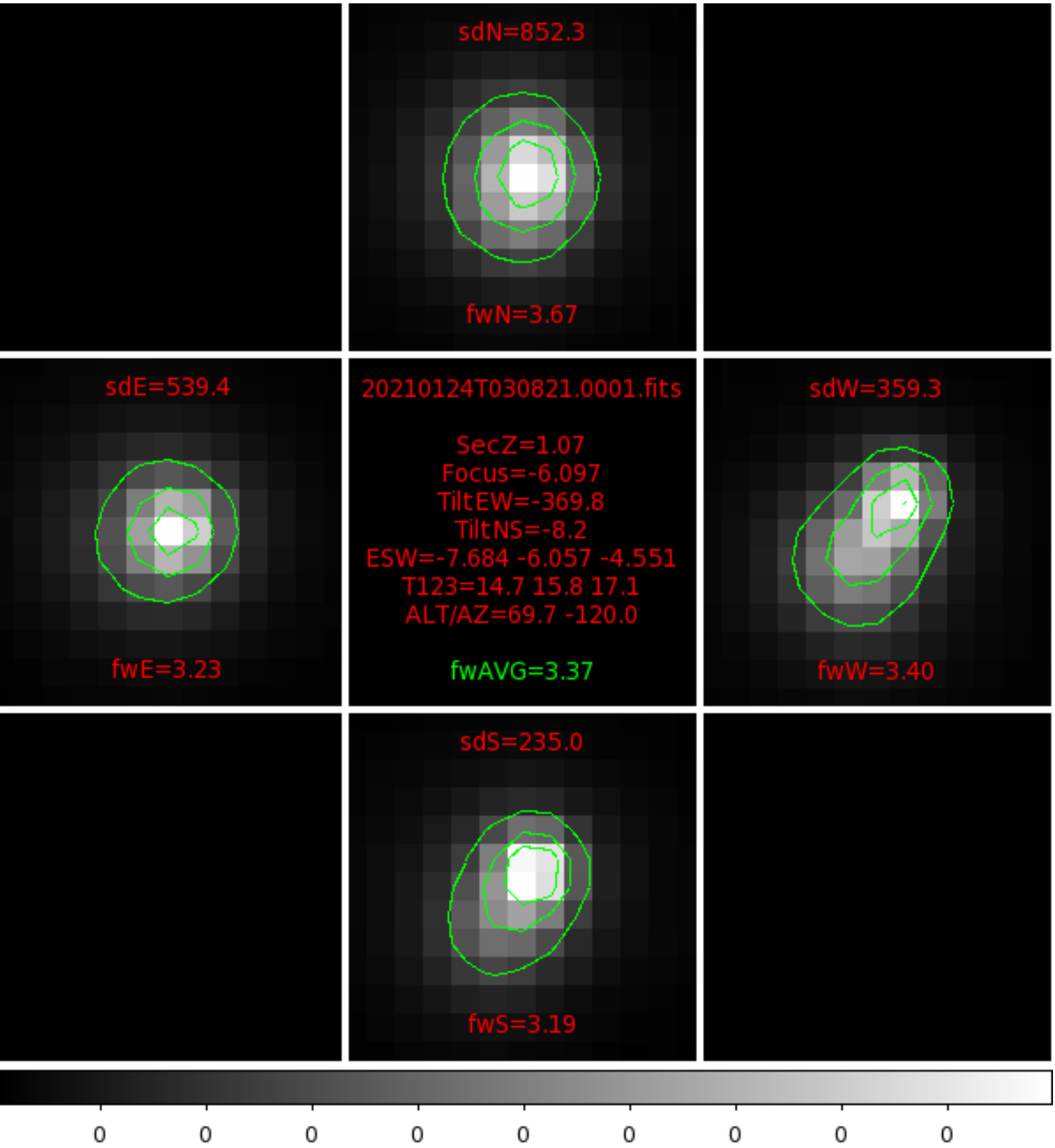
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ESW=-7.684 -6.057 -4.551
T123=14.7 15.8 17.1
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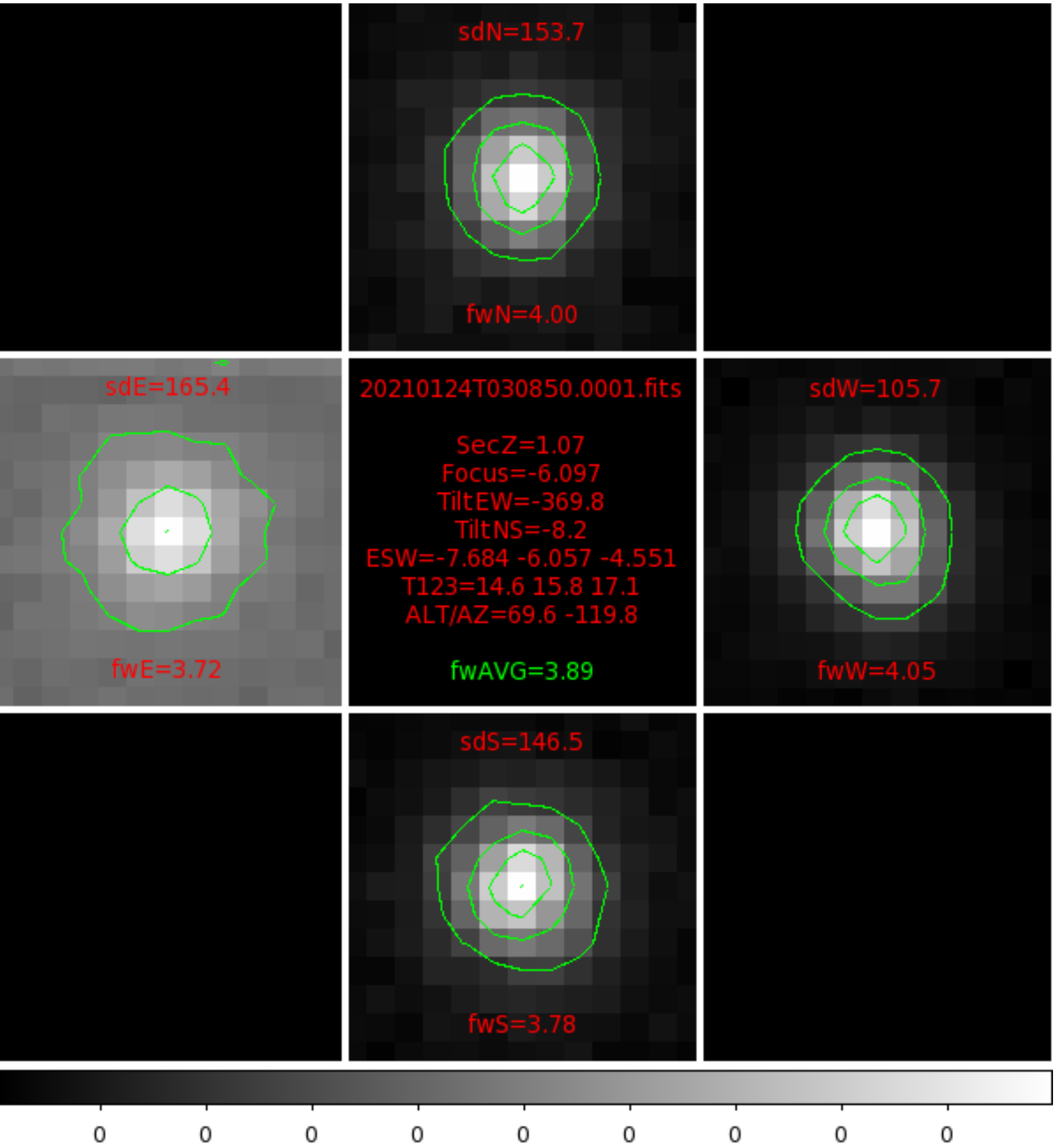
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ESW=-7.684 -6.057 -4.551
T123=14.6 15.8 17.1
ALT/AZ=69.6 -119.8
fwAVG=3.89
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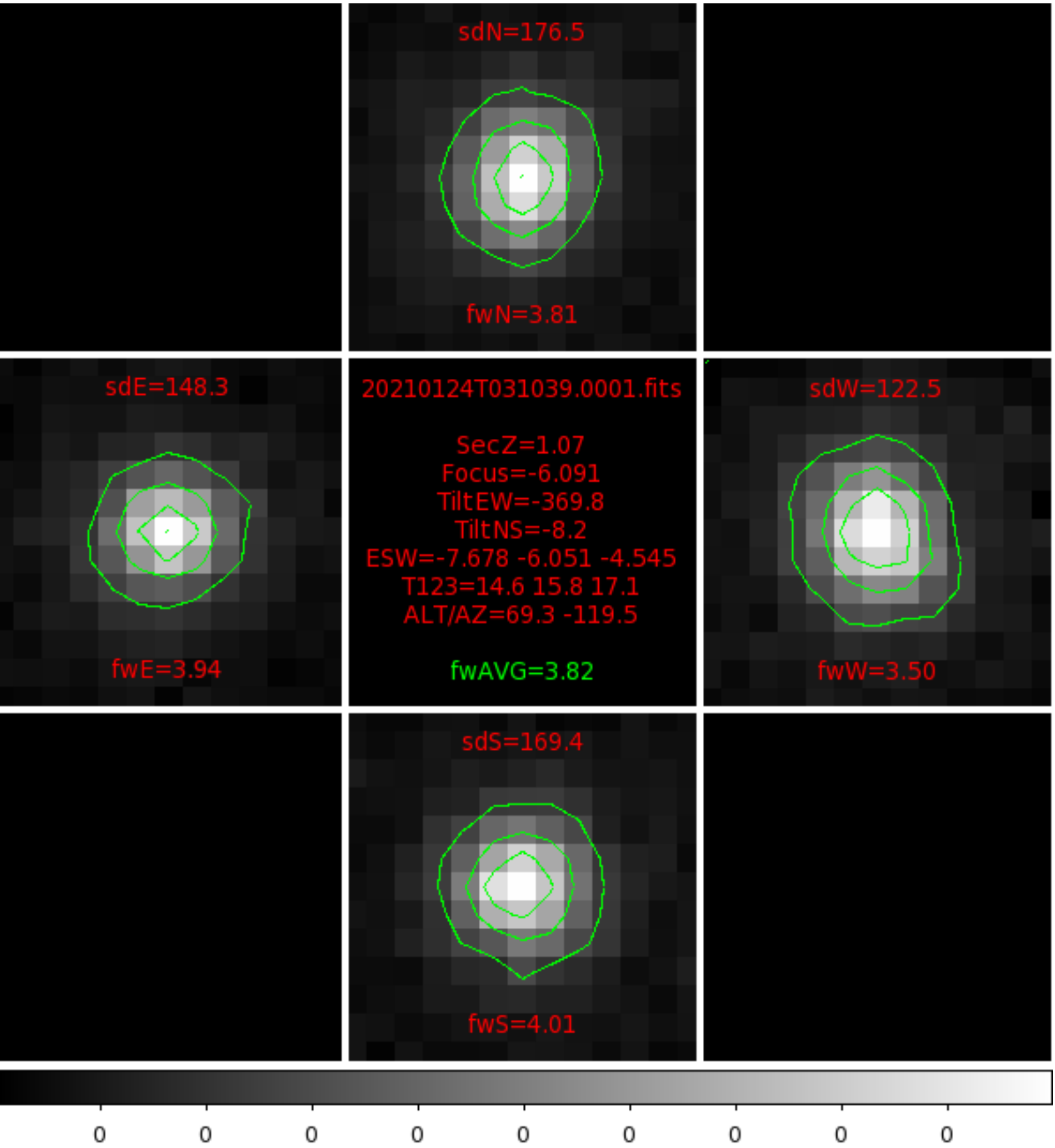
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TiltNS=-8.2
ESW=-7.678 -6.051 -4.545
T123=14.6 15.8 17.1
ALT/AZ=69.3 -119.5
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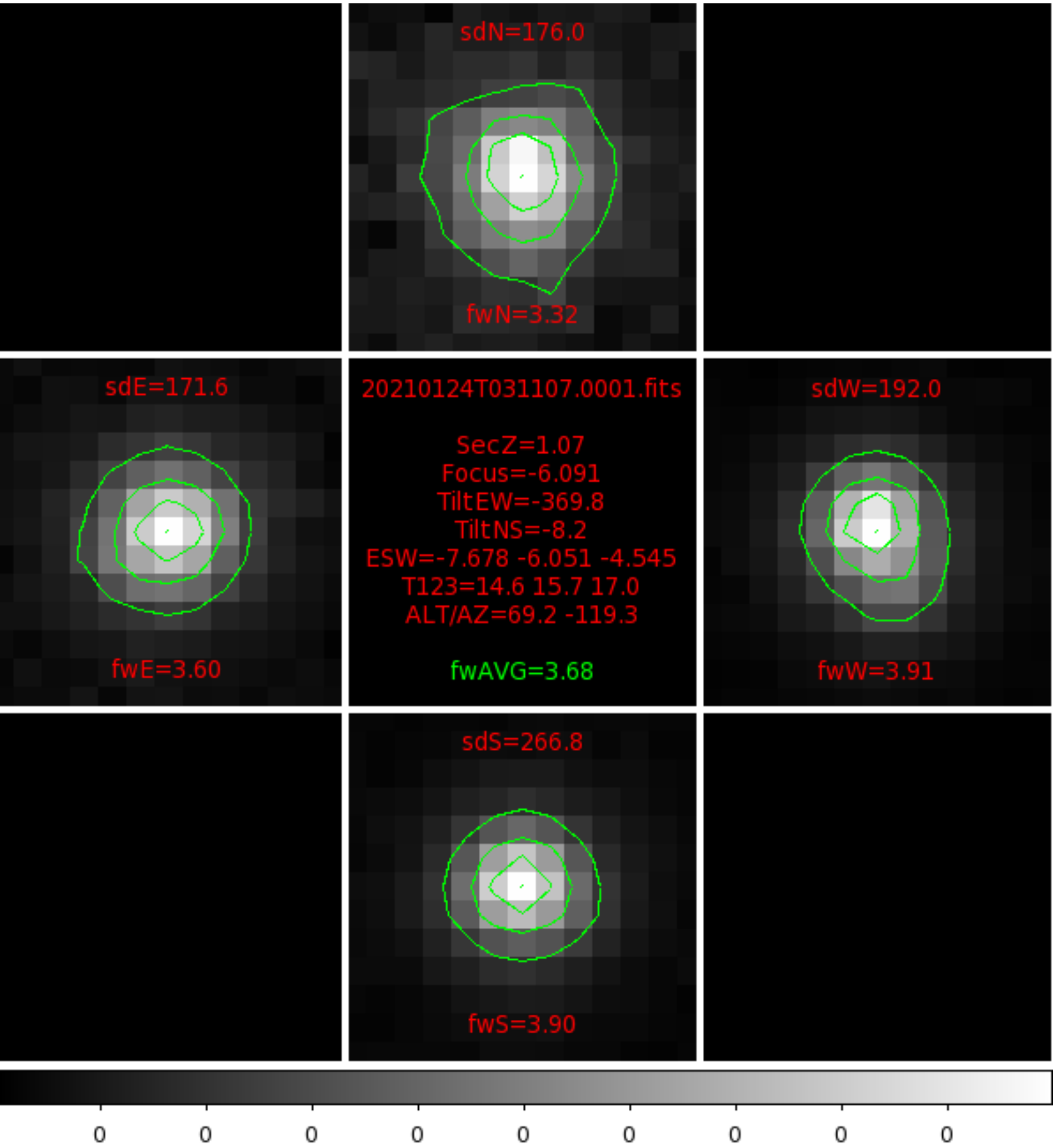
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SecZ=1.07
Focus=-6.091
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.678 -6.051 -4.545
T123=14.6 15.7 17.0
ALT/AZ=69.2 -119.3
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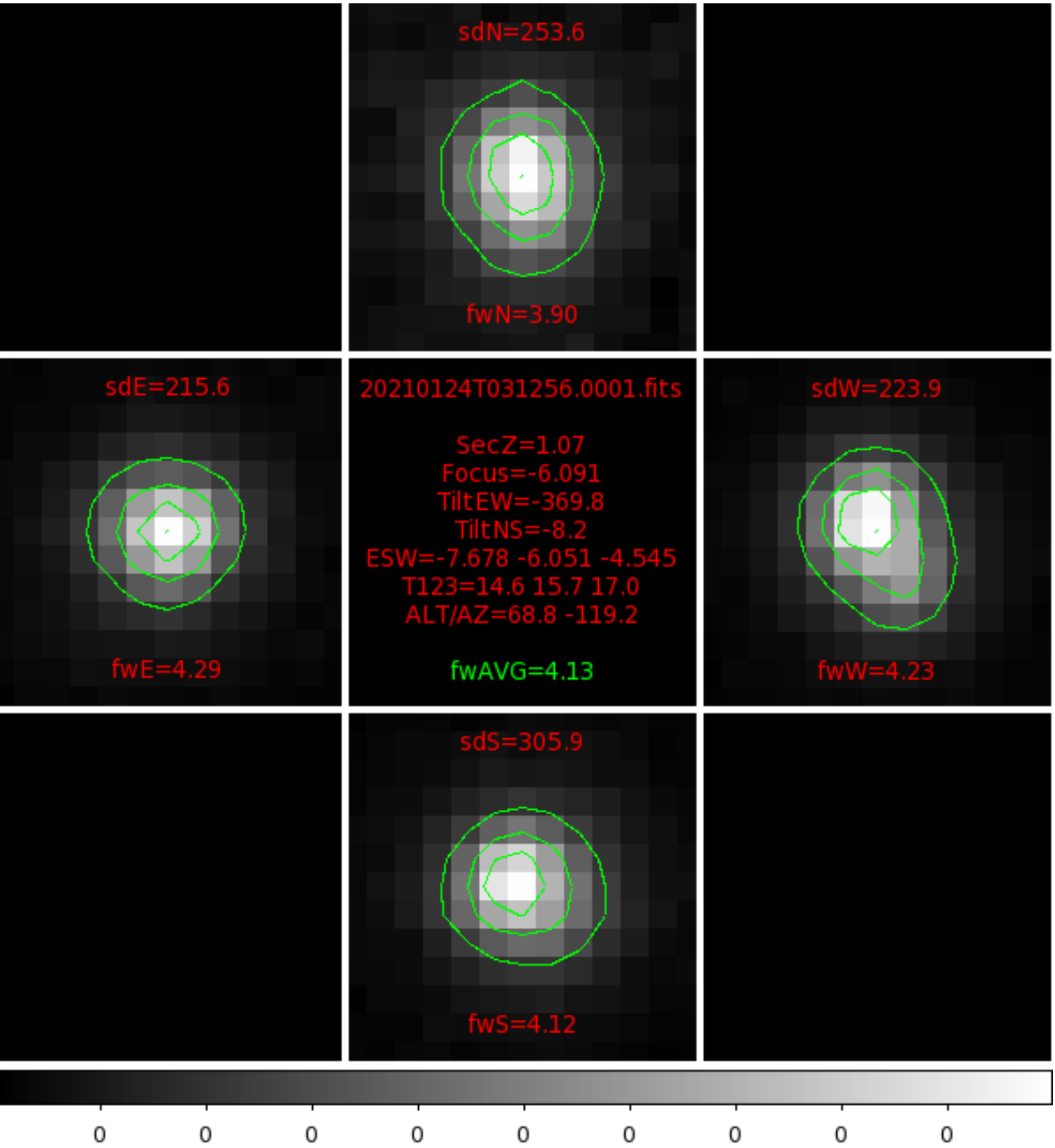
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SecZ=1.07
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.678 -6.051 -4.545
T123=14.6 15.7 17.0
ALT/AZ=68.8 -119.2
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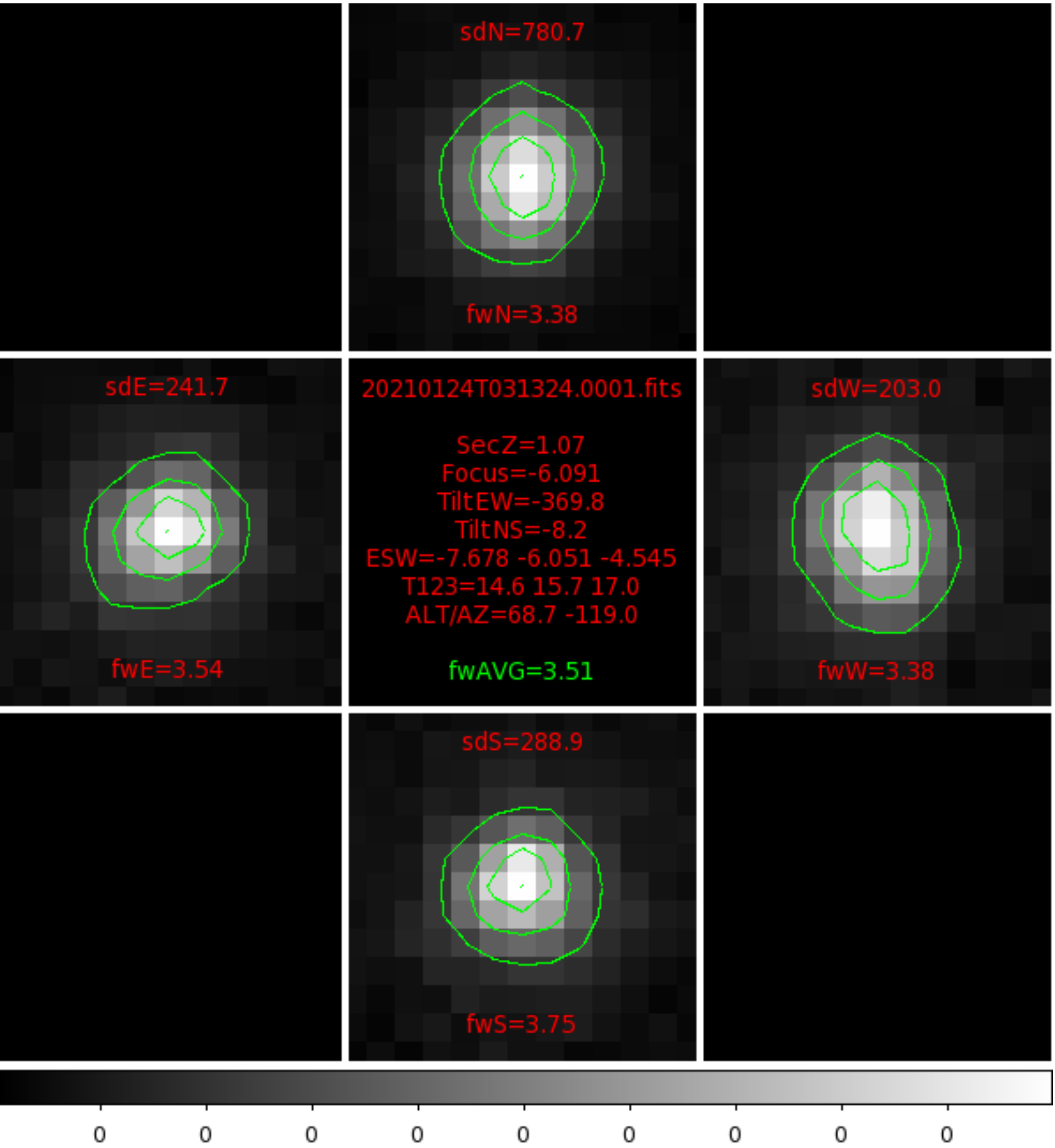
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ESW=-7.678 -6.051 -4.545
T123=14.6 15.7 17.0
ALT/AZ=68.7 -119.0
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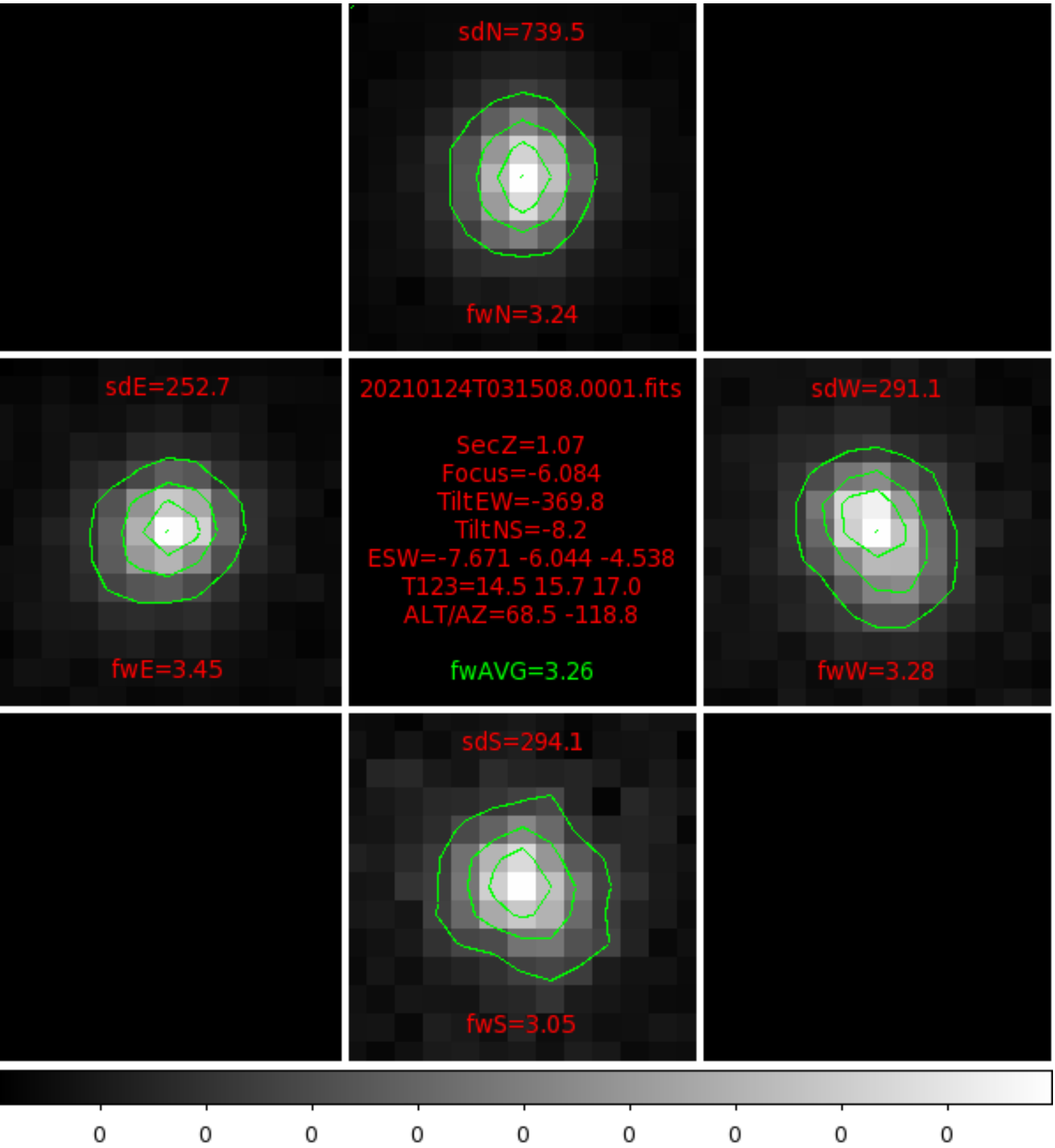
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SecZ=1.07
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.671 -6.044 -4.538
T123=14.5 15.7 17.0
ALT/AZ=68.5 -118.8
fwAVG=3.26
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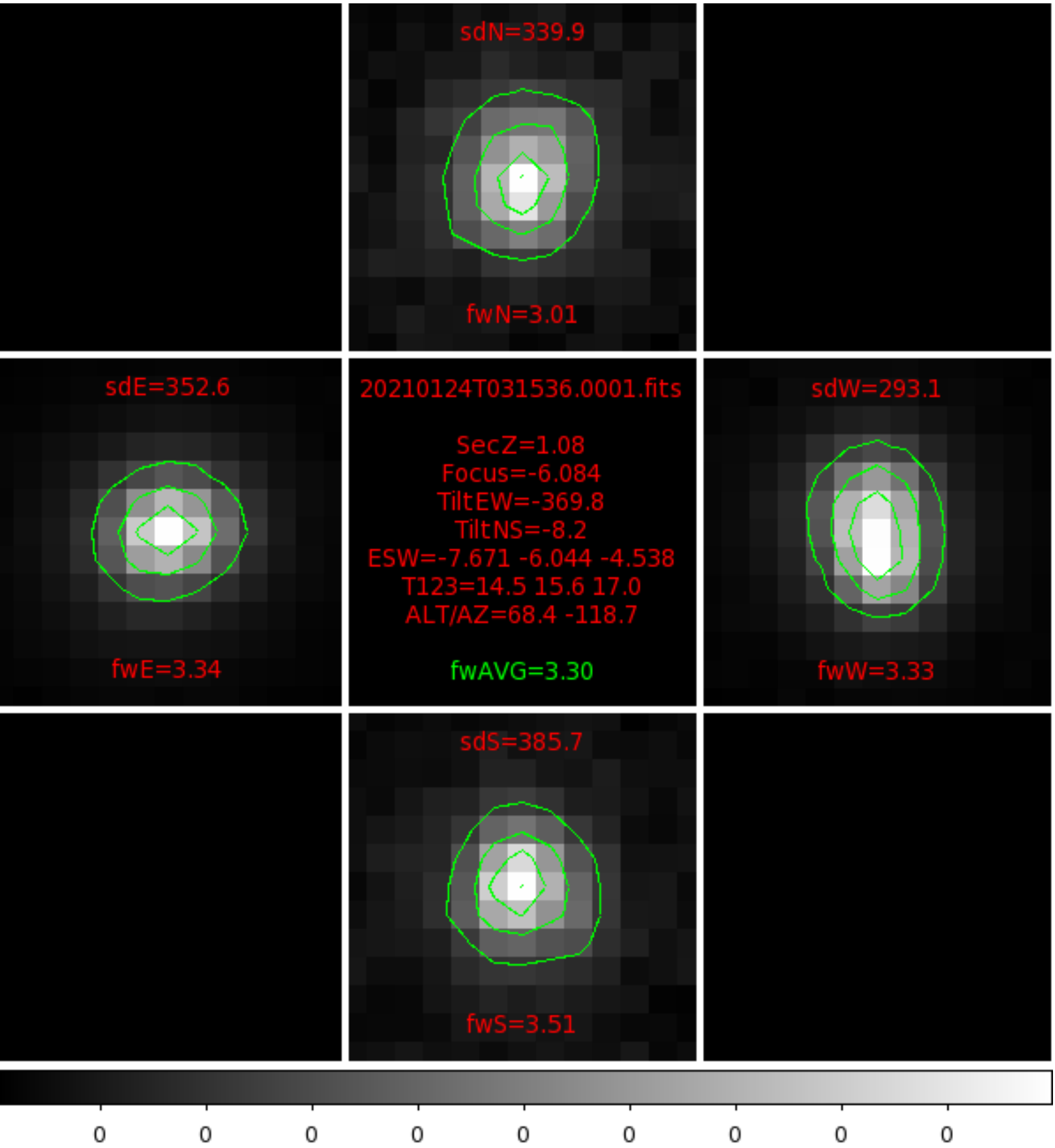
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Focus=-6.084
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TiltNS=-8.2
ESW=-7.671 -6.044 -4.538
T123=14.5 15.6 17.0
ALT/AZ=68.4 -118.7
fwAVG=3.30
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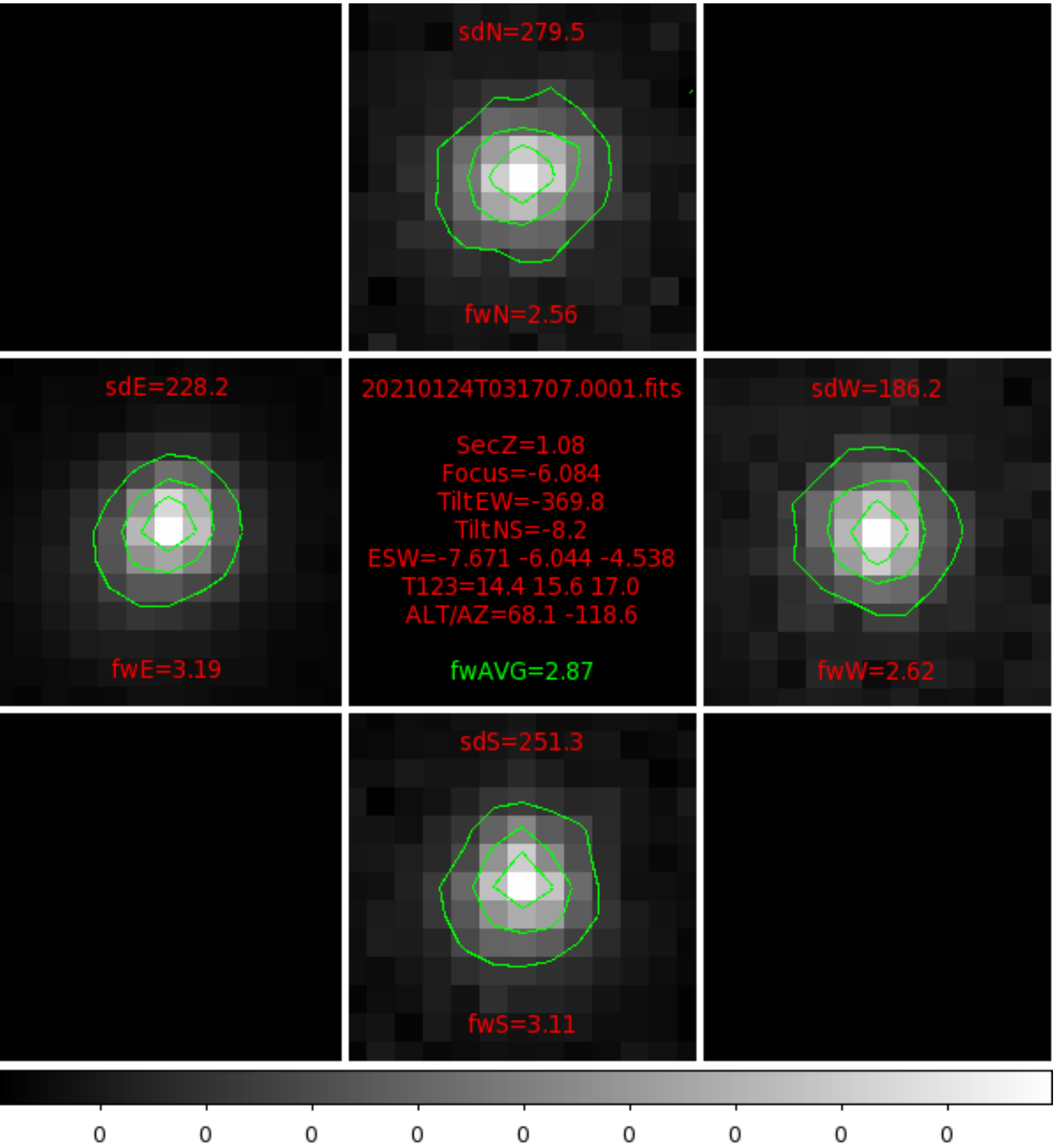
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TiltNS=-8.2
ESW=-7.671 -6.044 -4.538
T123=14.4 15.6 17.0
ALT/AZ=68.1 -118.6
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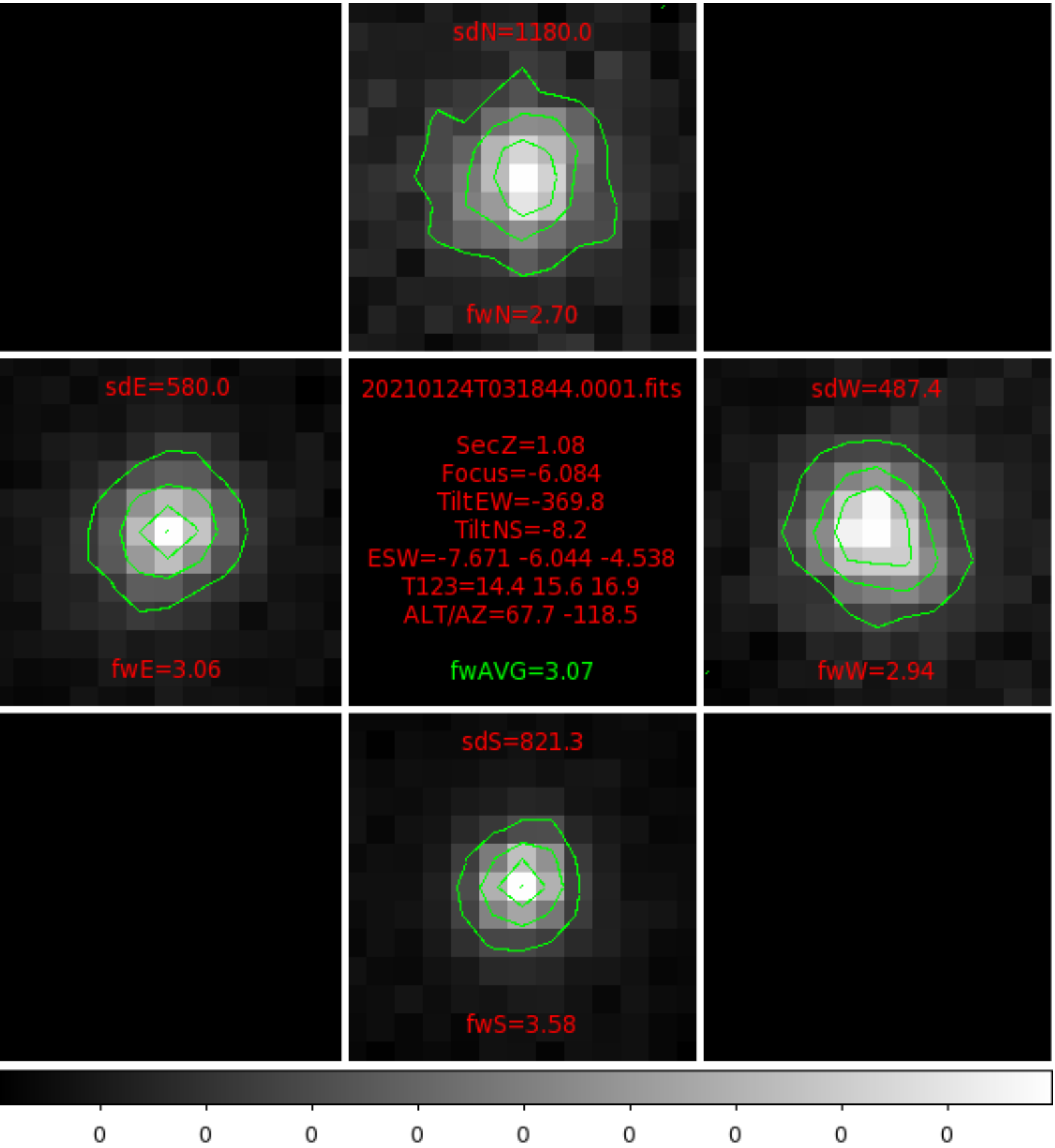
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SecZ=1.08
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TiltNS=-8.2
ESW=-7.671 -6.044 -4.538
T123=14.4 15.6 16.9
ALT/AZ=67.7 -118.5
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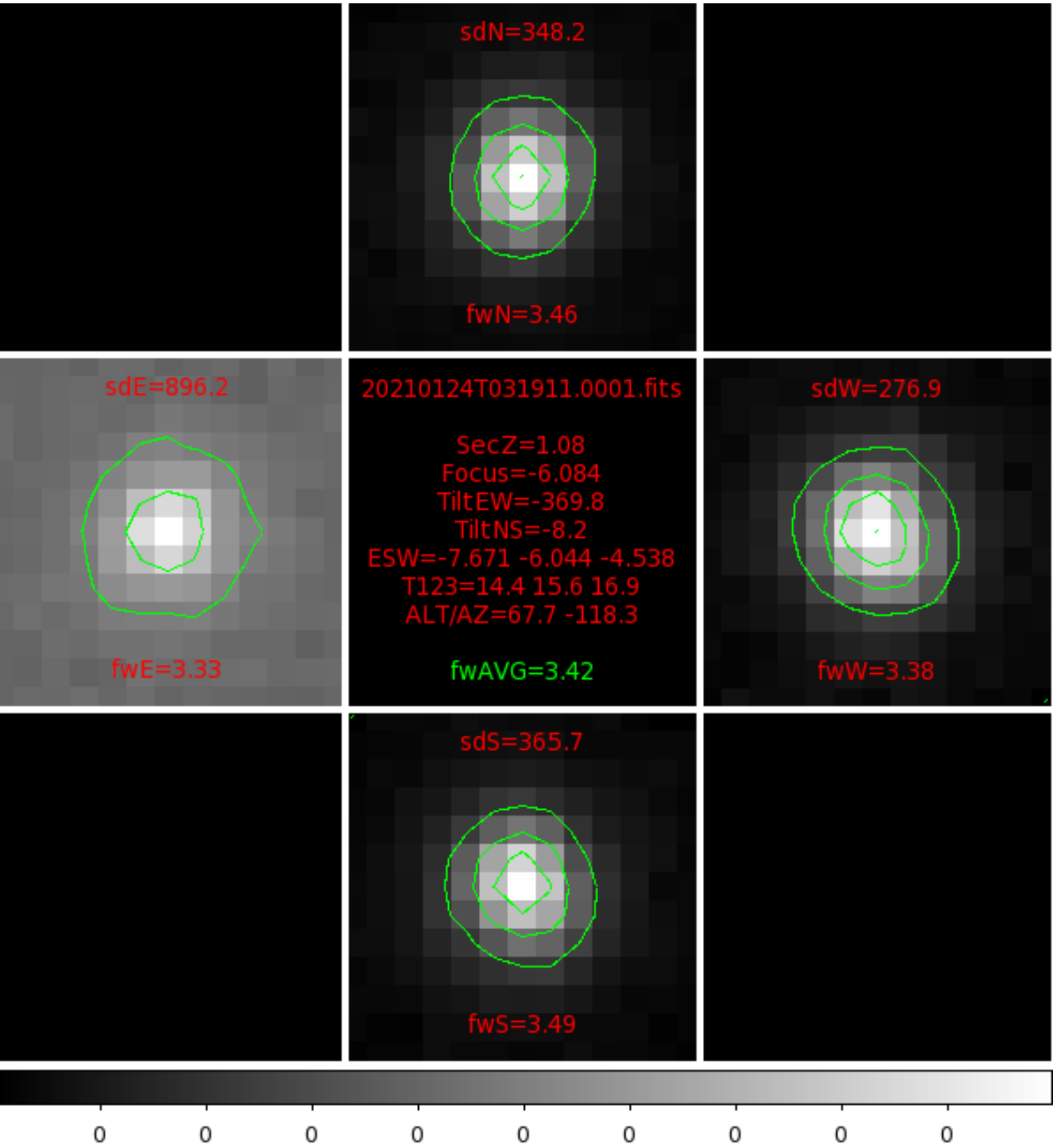
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SecZ=1.08
Focus=-6.084
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.671 -6.044 -4.538
T123=14.4 15.6 16.9
ALT/AZ=67.7 -118.3
fwAVG=3.42
sdW=276.9
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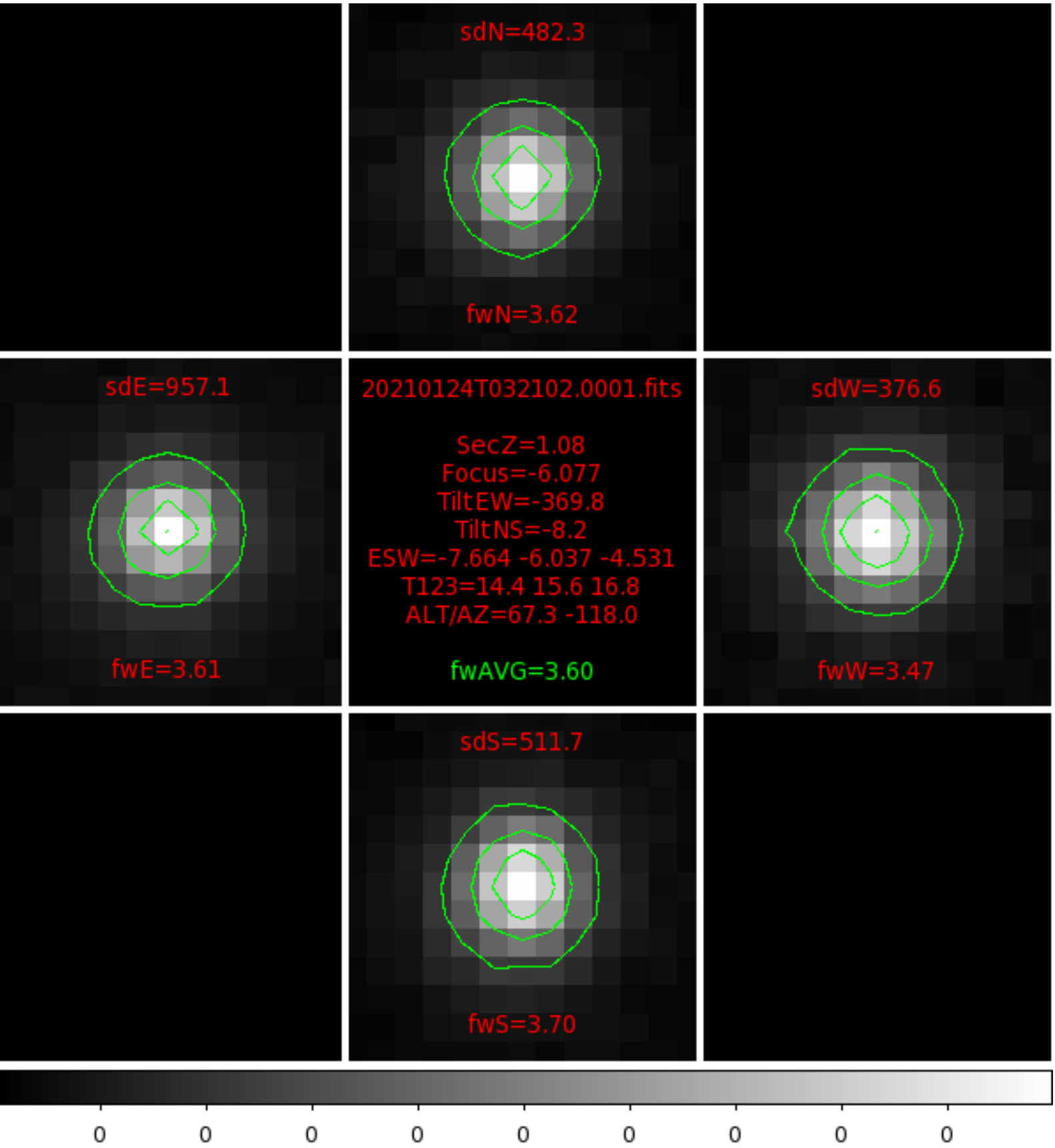
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SecZ=1.08
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TiltNS=-8.2
ESW=-7.664 -6.037 -4.531
T123=14.4 15.6 16.8
ALT/AZ=67.3 -118.0
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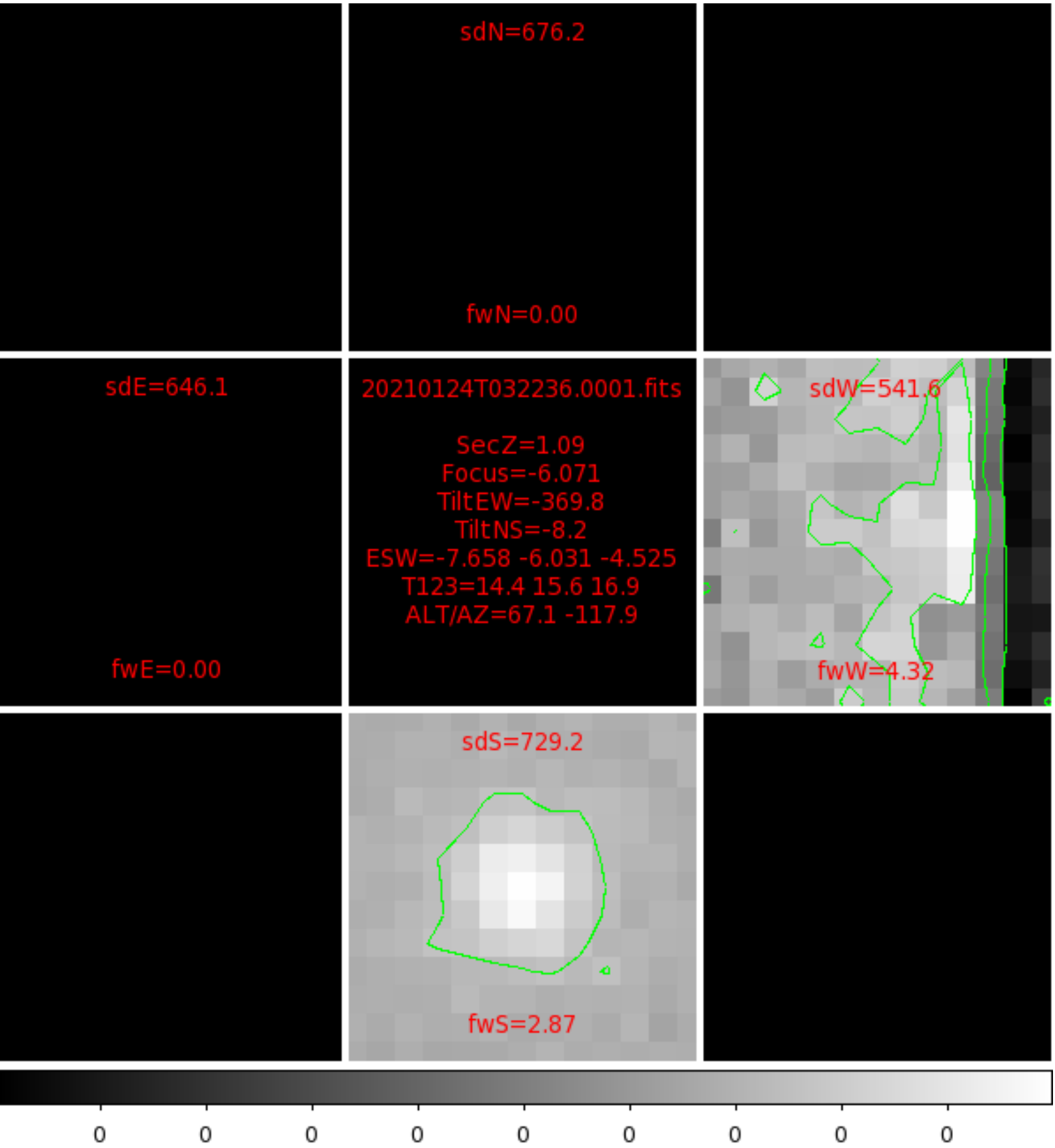
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20210124T032236.0001.fits
SecZ=1.09
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.658 -6.031 -4.525
T123=14.4 15.6 16.9
ALT/AZ=67.1 -117.9
sdW=541.6
fwW=4.32
sdS=729.2
fwS=2.87
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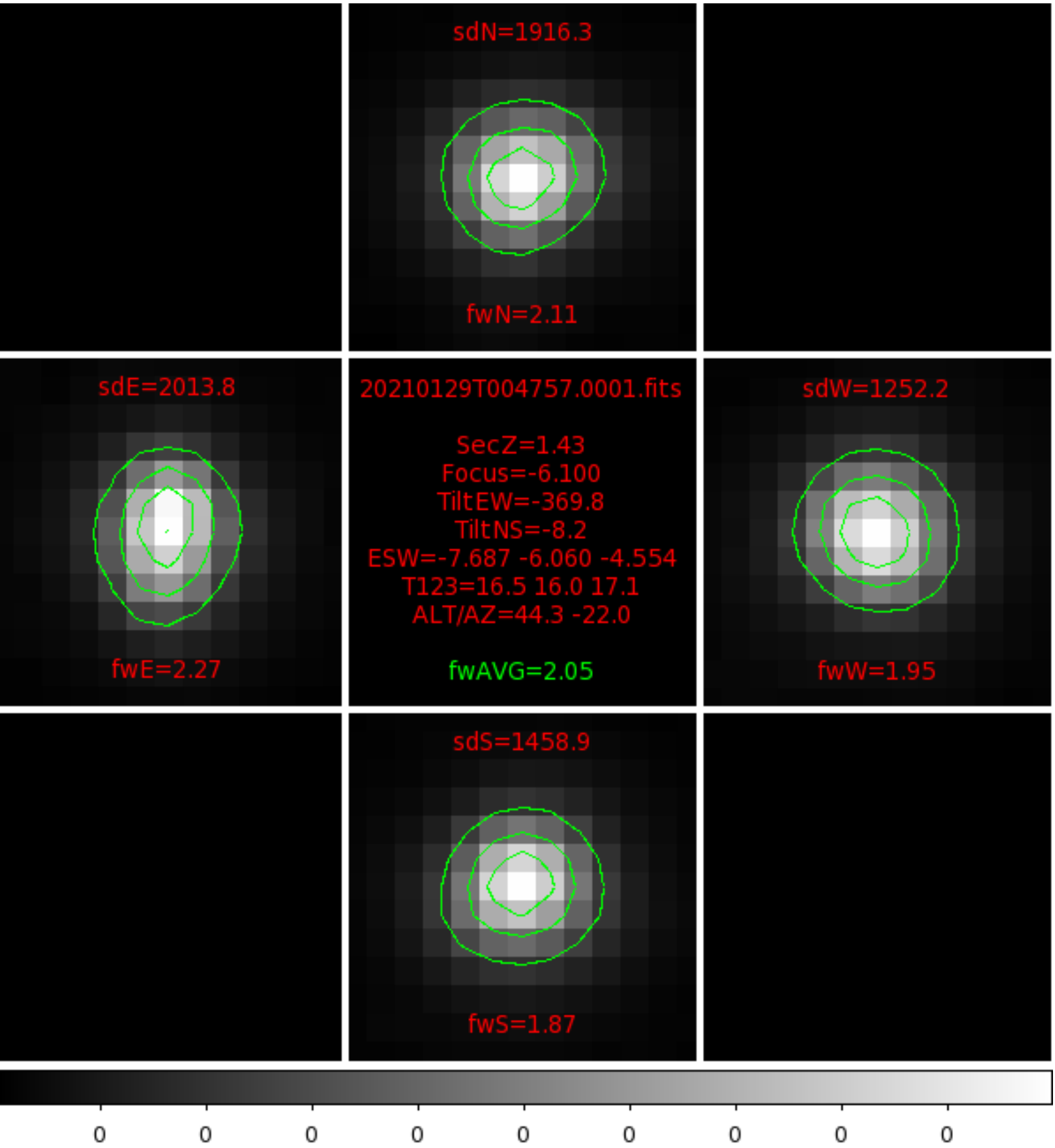
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ESW=-7.687 -6.060 -4.554
T123=16.5 16.0 17.1
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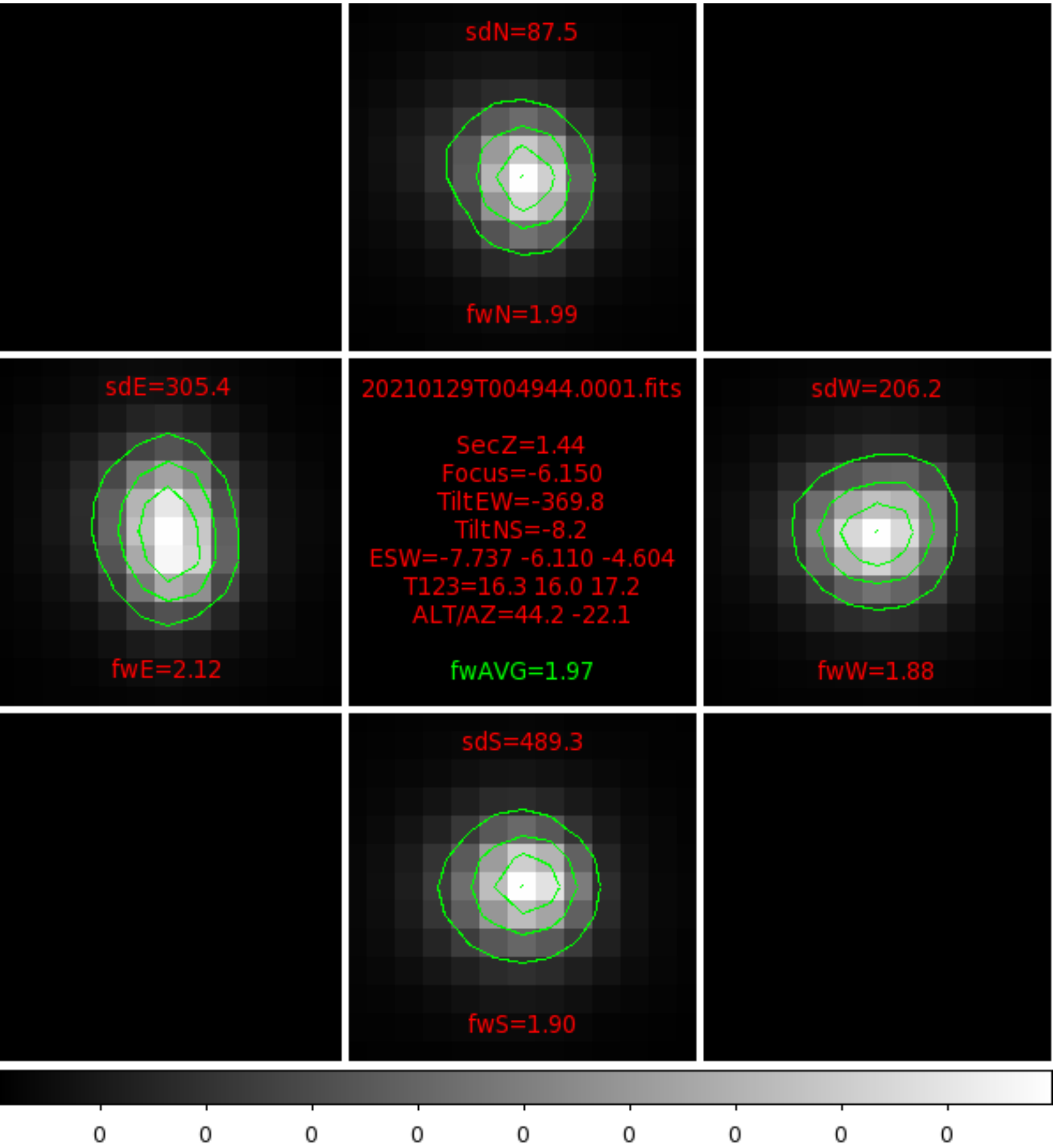
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SecZ=1.44
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TiltEW=-369.8
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ESW=-7.737 -6.110 -4.604
T123=16.3 16.0 17.2
ALT/AZ=44.2 -22.1
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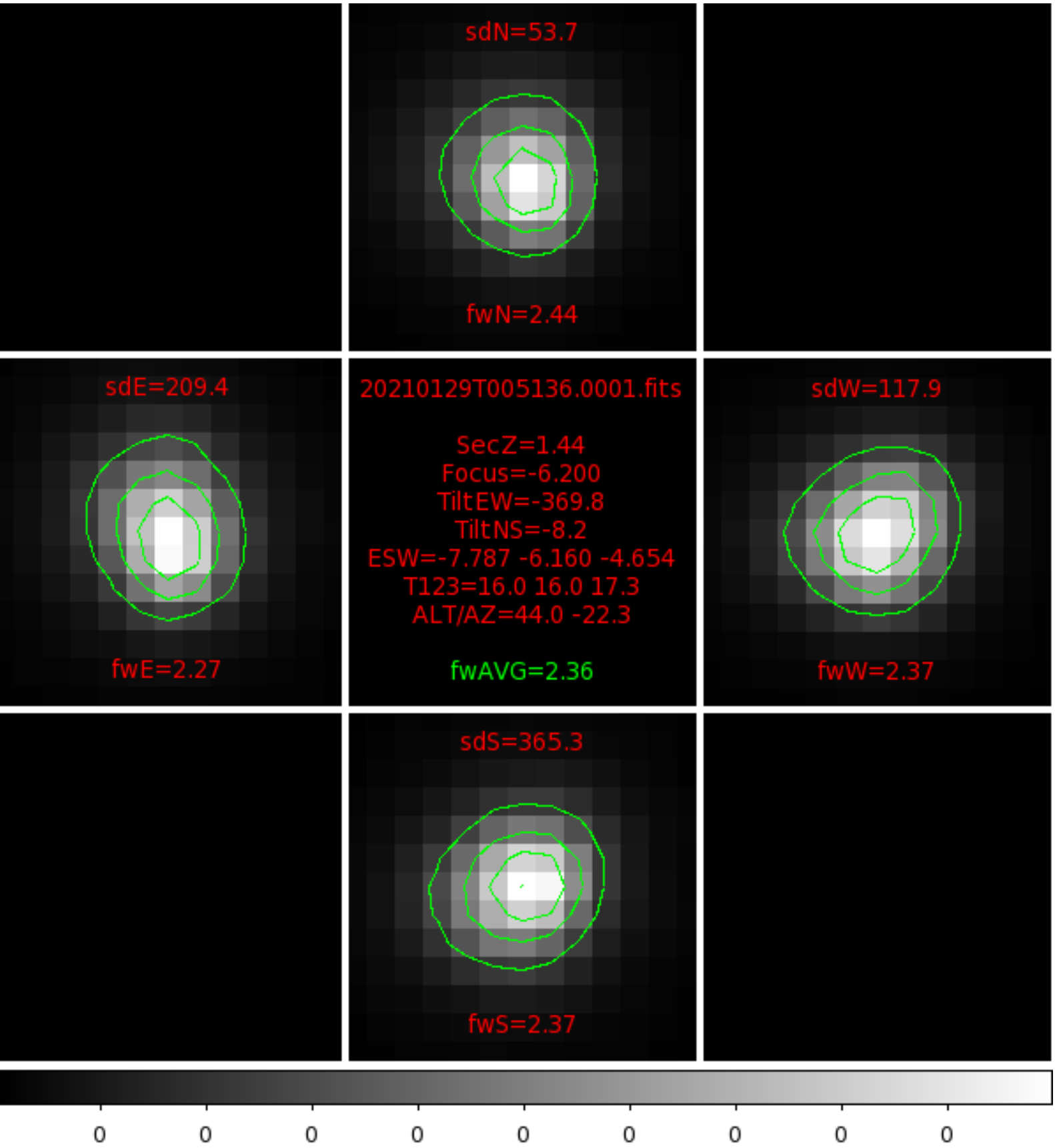
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TiltEW=-369.8
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ESW=-7.787 -6.160 -4.654
T123=16.0 16.0 17.3
ALT/AZ=44.0 -22.3
fwAVG=2.36
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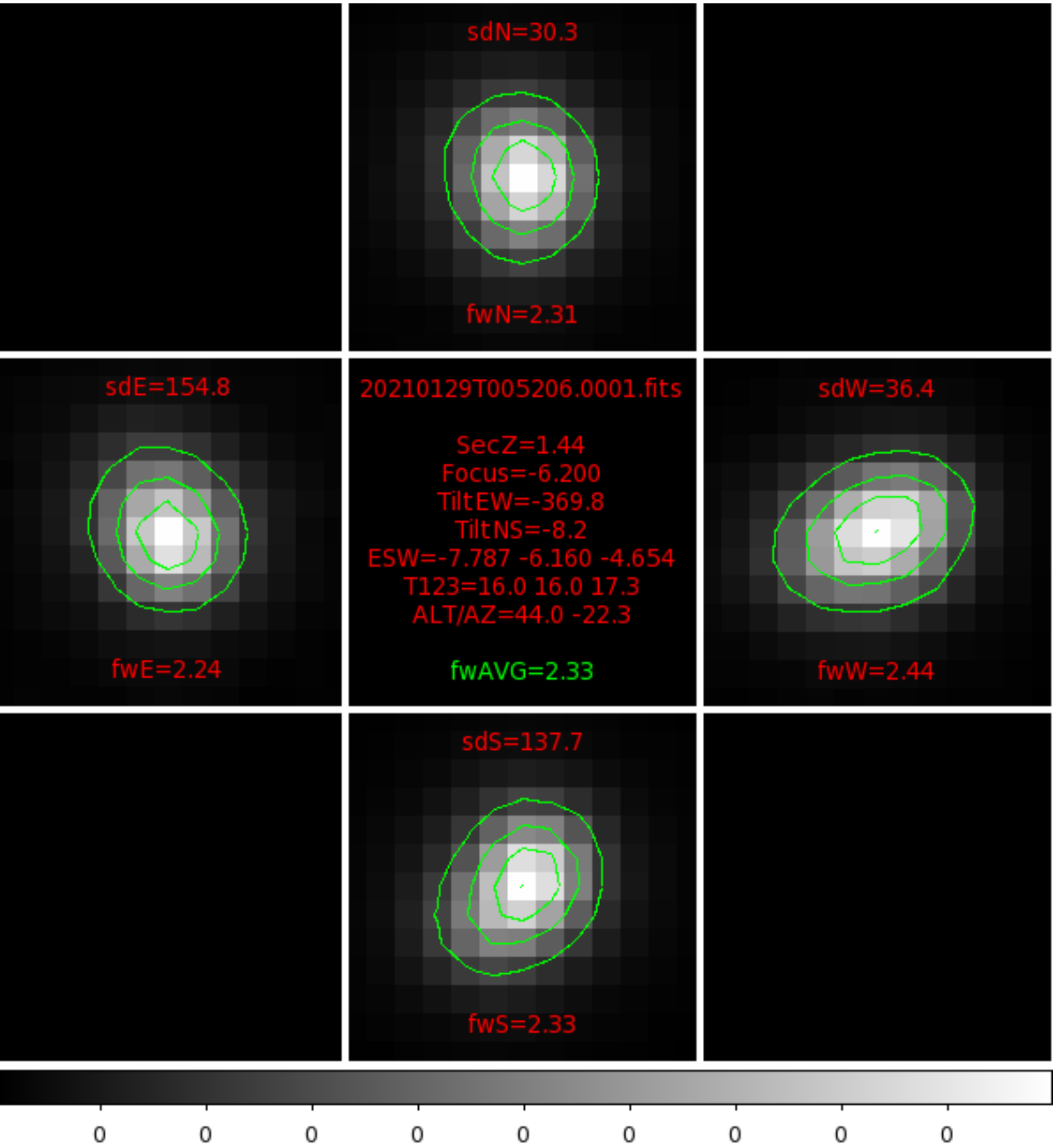
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SecZ=1.44
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TiltNS=-8.2
ESW=-7.787 -6.160 -4.654
T123=16.0 16.0 17.3
ALT/AZ=44.0 -22.3
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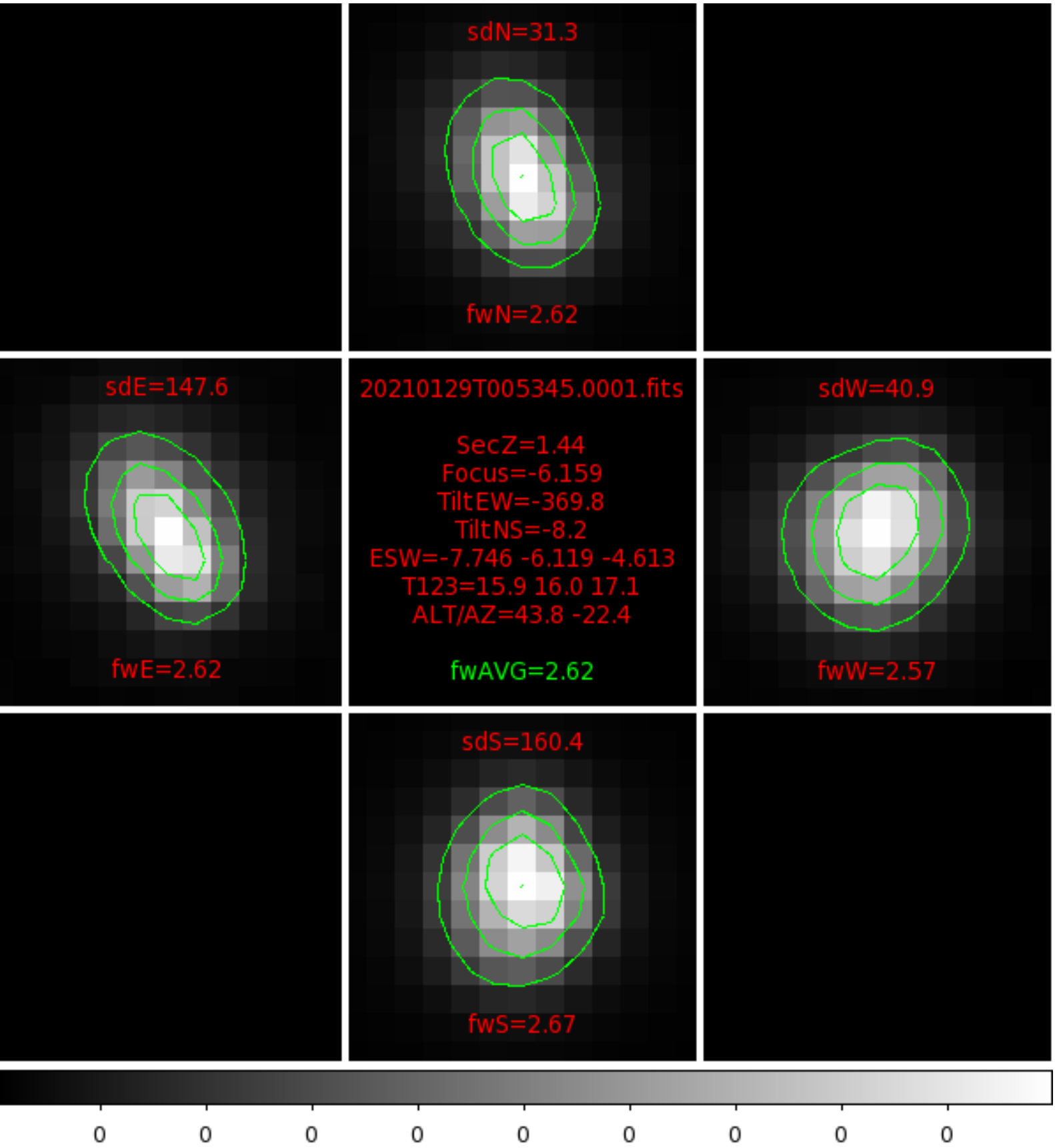
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Focus=-6.159
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.746 -6.119 -4.613
T123=15.9 16.0 17.1
ALT/AZ=43.8 -22.4
fwAVG=2.62
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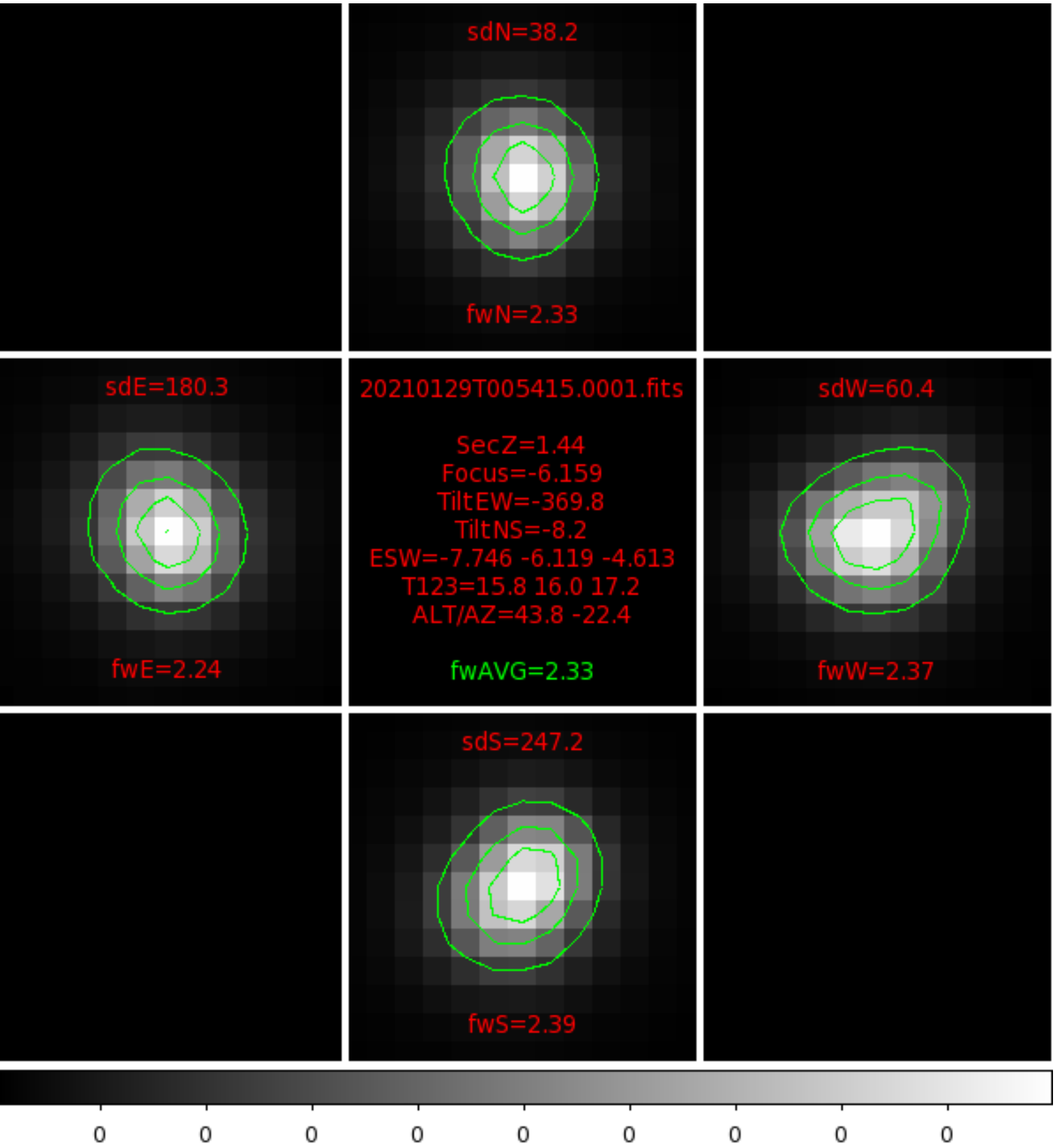
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SecZ=1.44
Focus=-6.159
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.746 -6.119 -4.613
T123=15.8 16.0 17.2
ALT/AZ=43.8 -22.4
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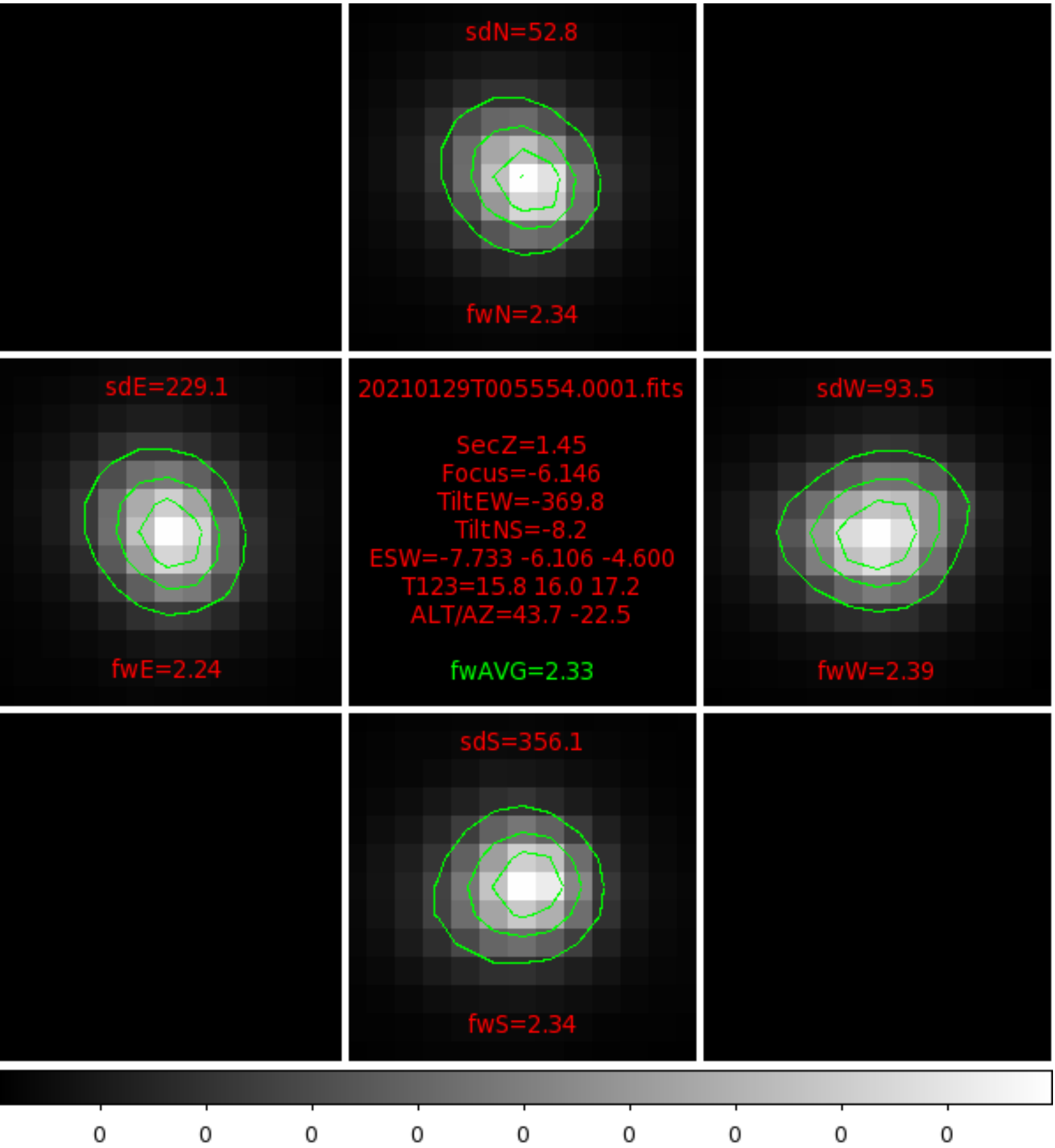
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20210129T005554.0001.fits
SecZ=1.45
Focus=-6.146
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.733 -6.106 -4.600
T123=15.8 16.0 17.2
ALT/AZ=43.7 -22.5
fwAVG=2.33
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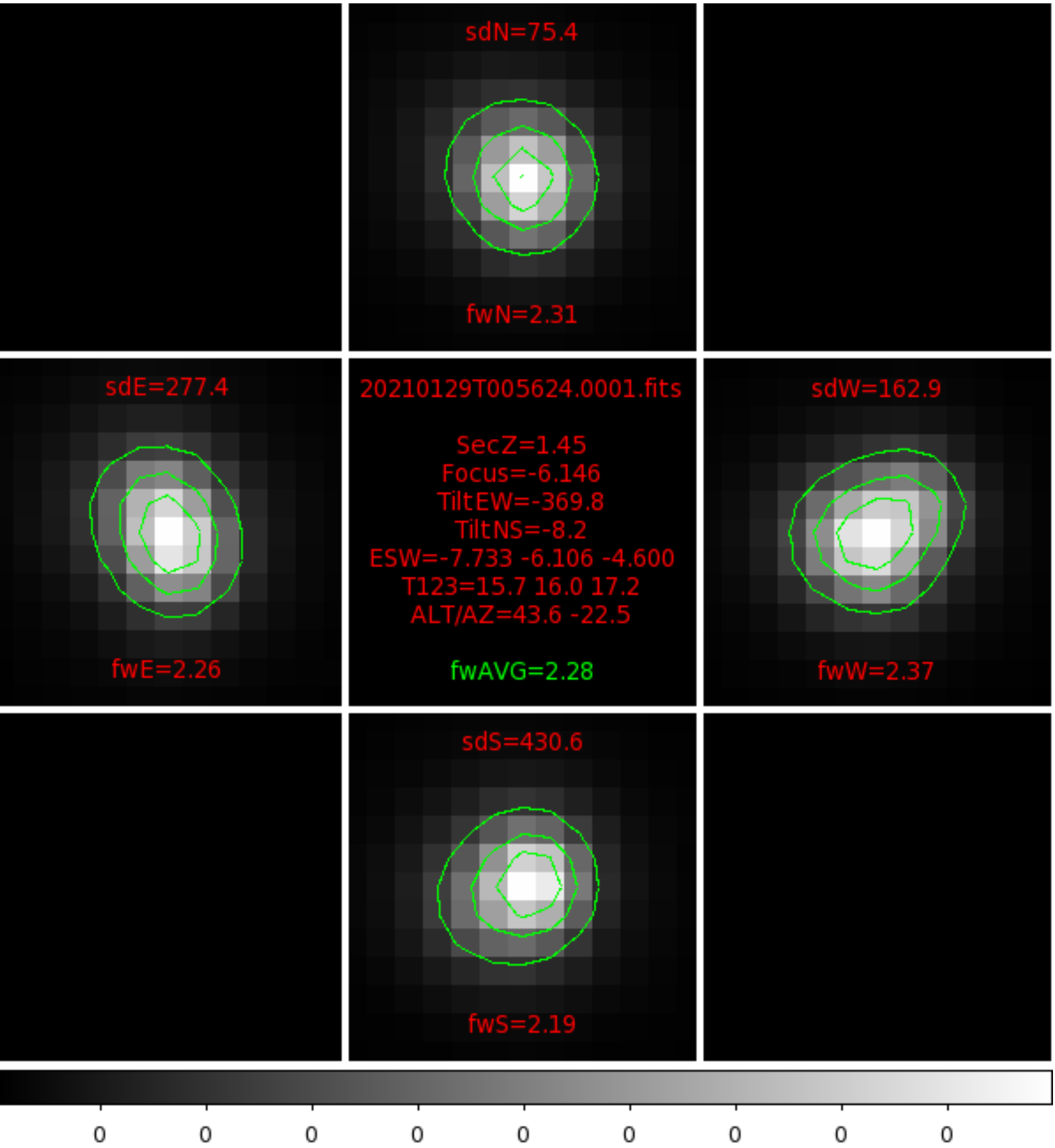
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SecZ=1.45
Focus=-6.146
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.733 -6.106 -4.600
T123=15.7 16.0 17.2
ALT/AZ=43.6 -22.5
fwAVG=2.28
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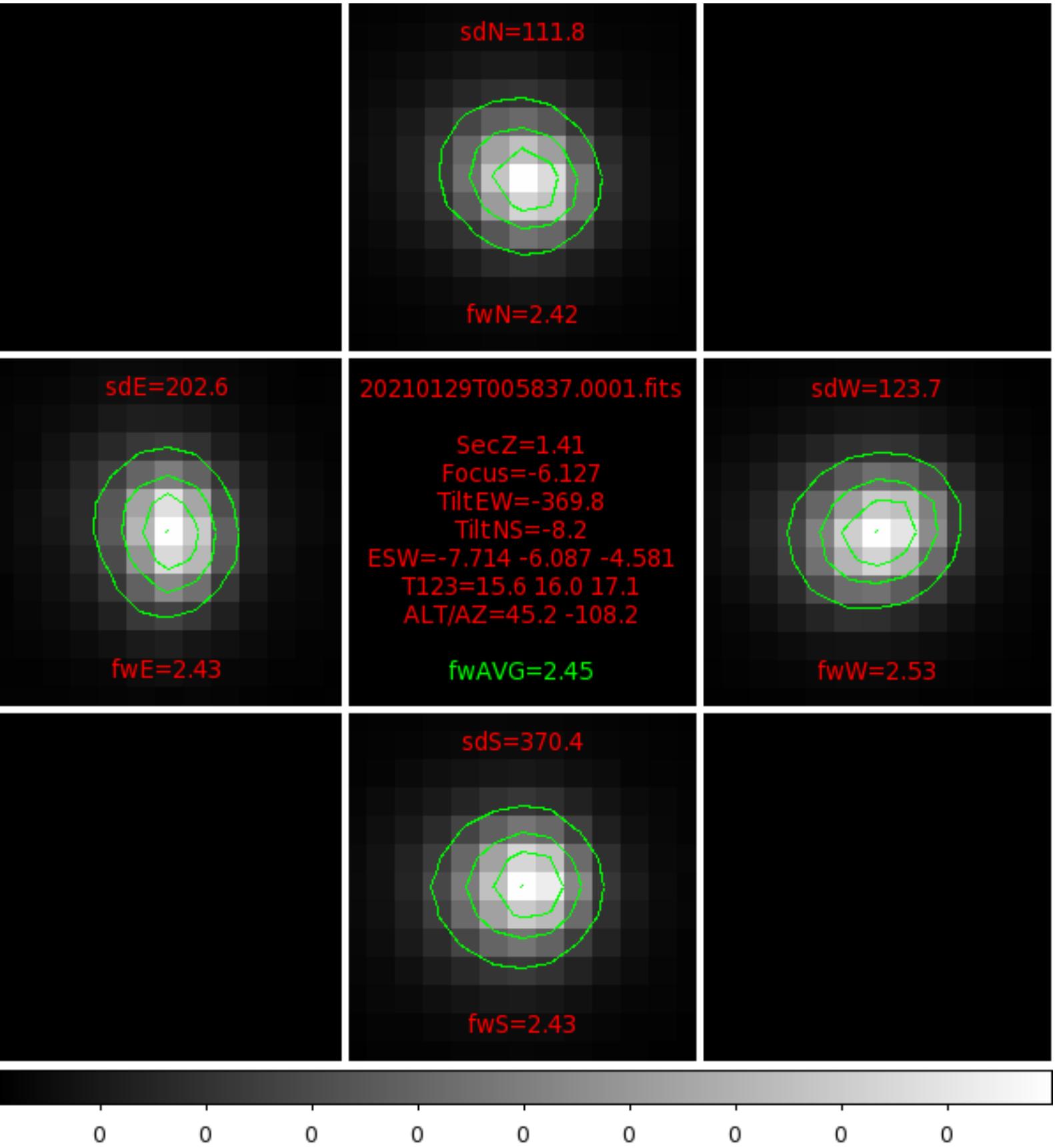
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.714 -6.087 -4.581
T123=15.6 16.0 17.1
ALT/AZ=45.2 -108.2
fwAVG=2.45
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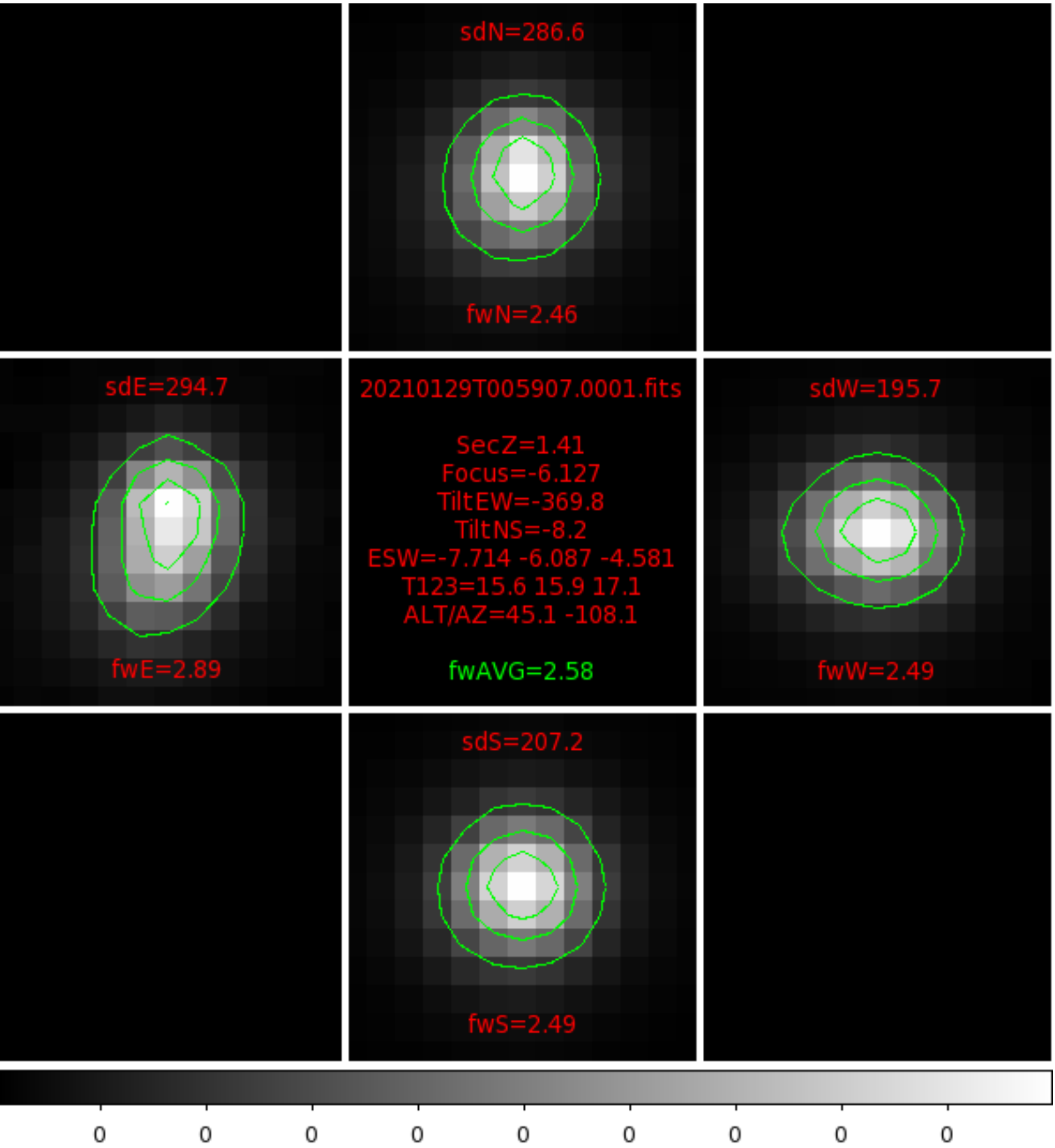
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SecZ=1.41
Focus=-6.127
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.714 -6.087 -4.581
T123=15.6 15.9 17.1
ALT/AZ=45.1 -108.1
fwAVG=2.58
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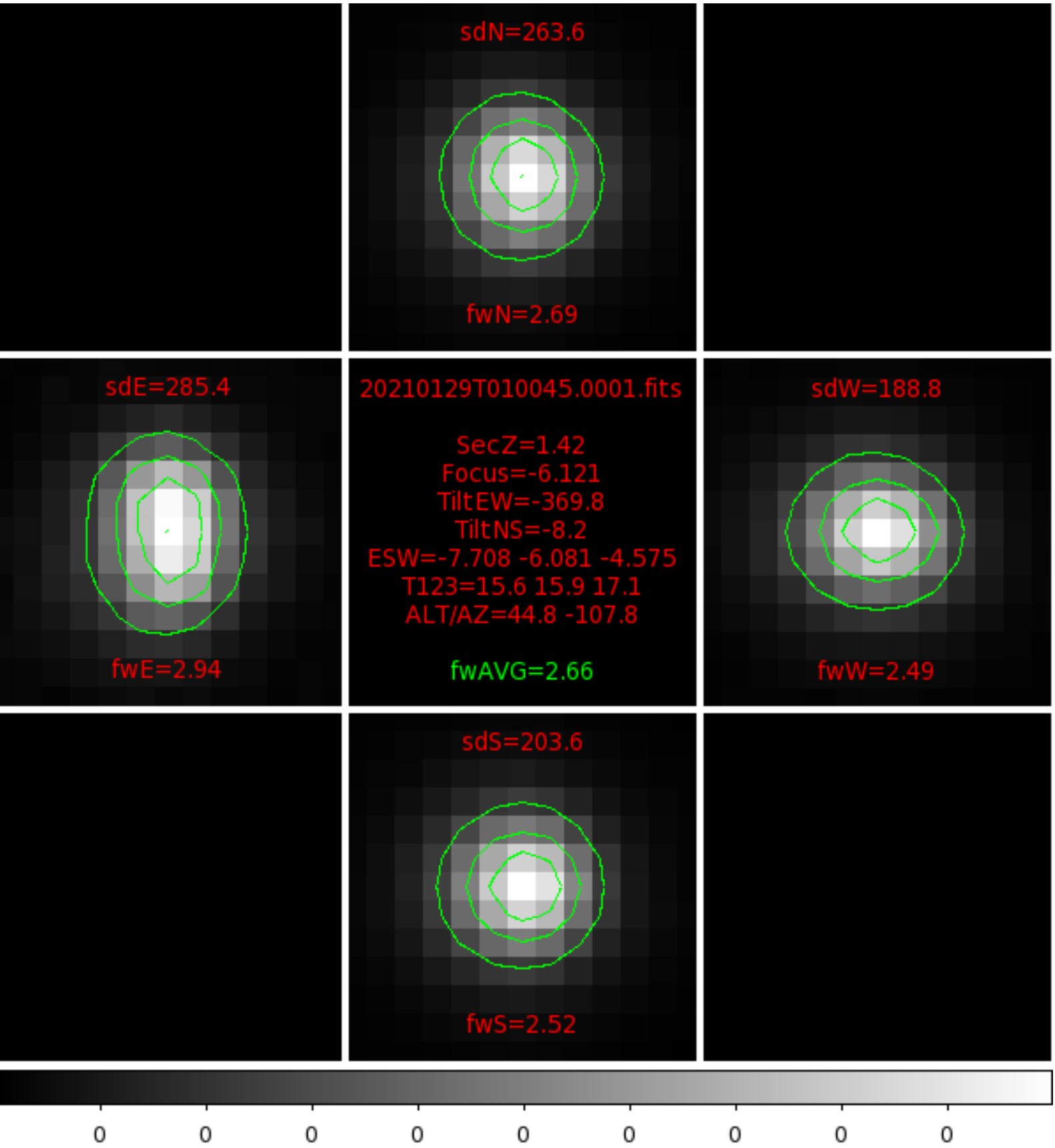
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SecZ=1.42
Focus=-6.121
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.6 15.9 17.1
ALT/AZ=44.8 -107.8
fwAVG=2.66
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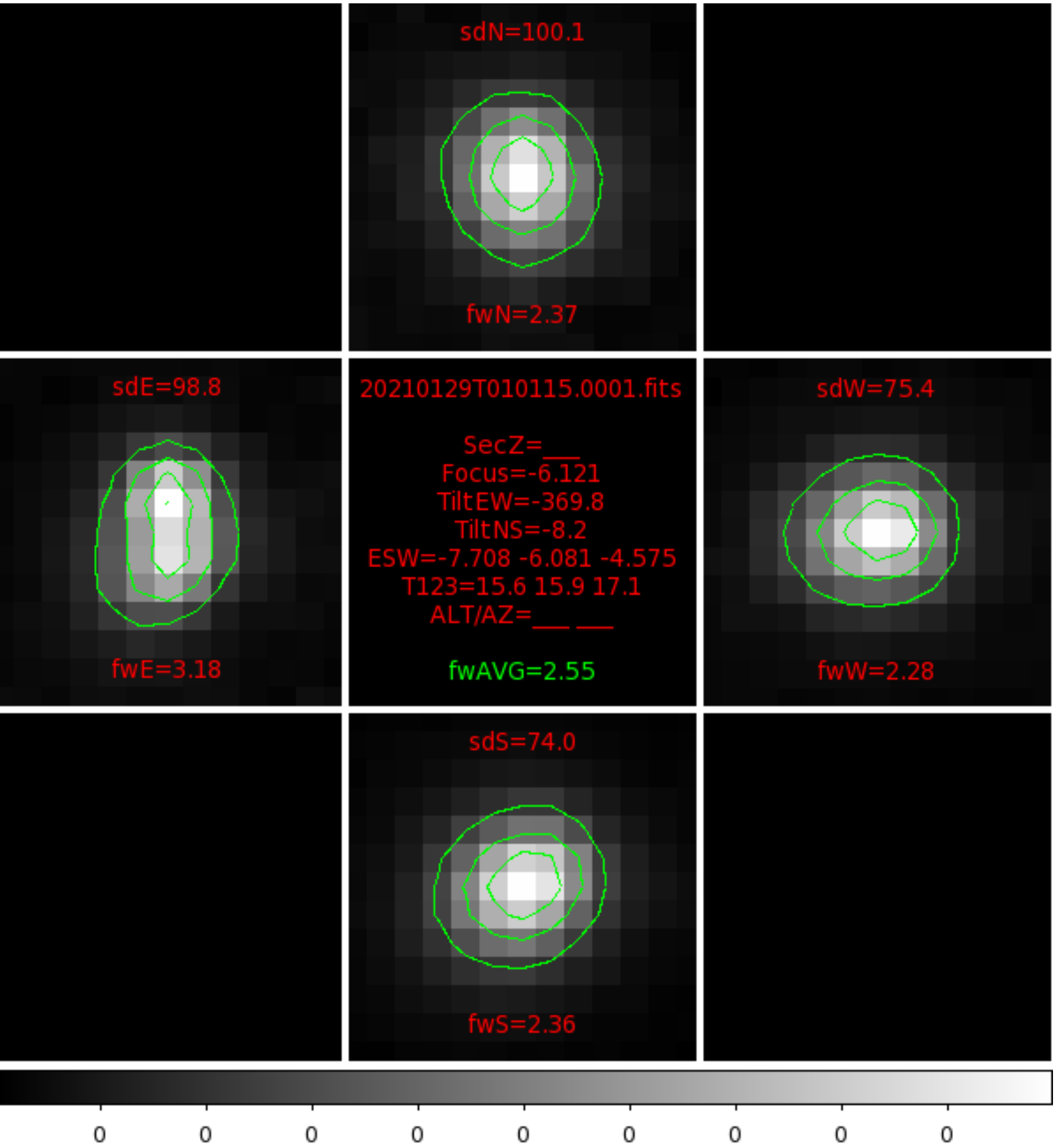
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ESW=-7.708 -6.081 -4.575
T123=15.6 15.9 17.1
ALT/AZ=___ ___
fwAVG=2.55
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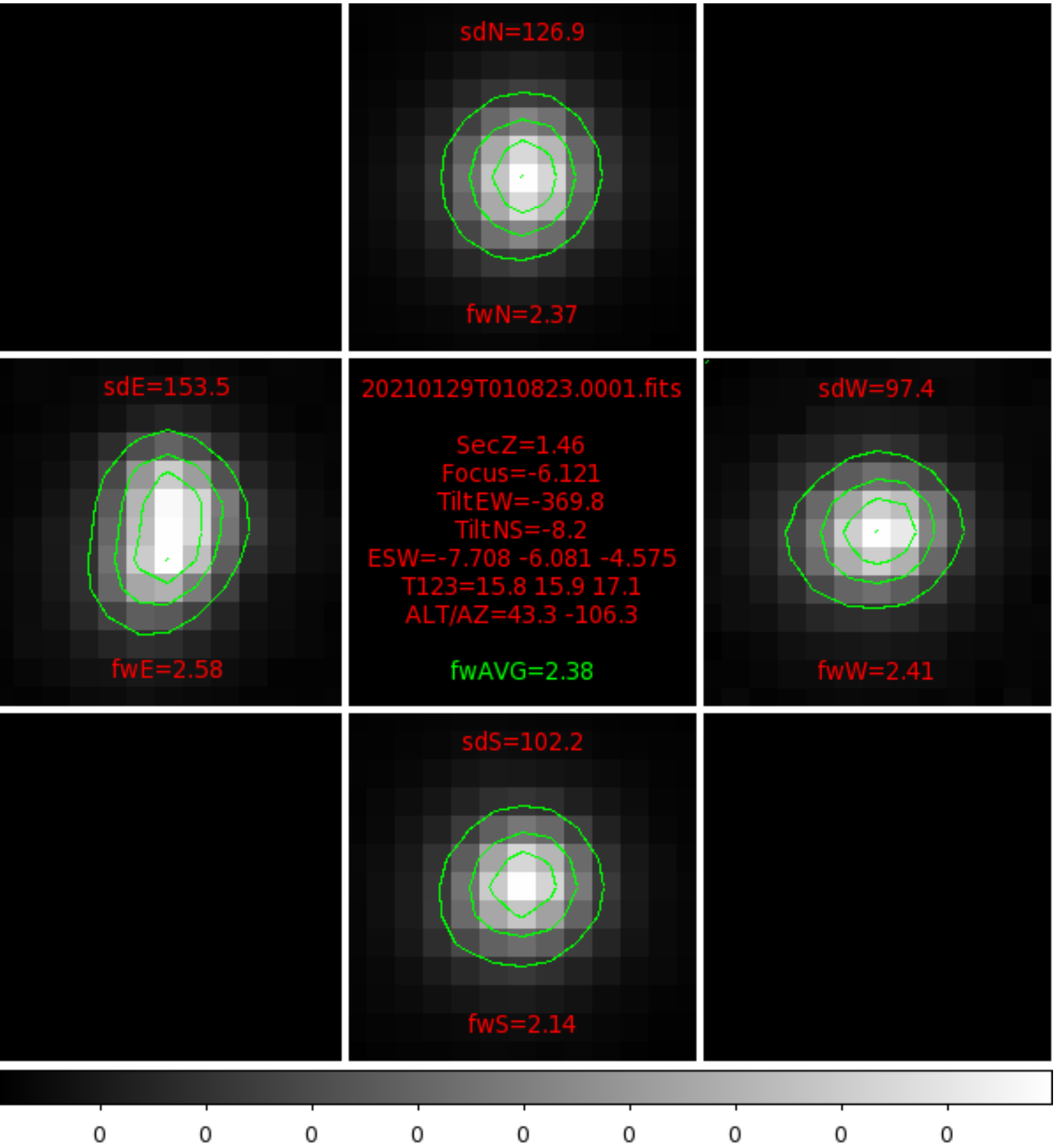
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SecZ=1.46
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TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.8 15.9 17.1
ALT/AZ=43.3 -106.3
fwAVG=2.38
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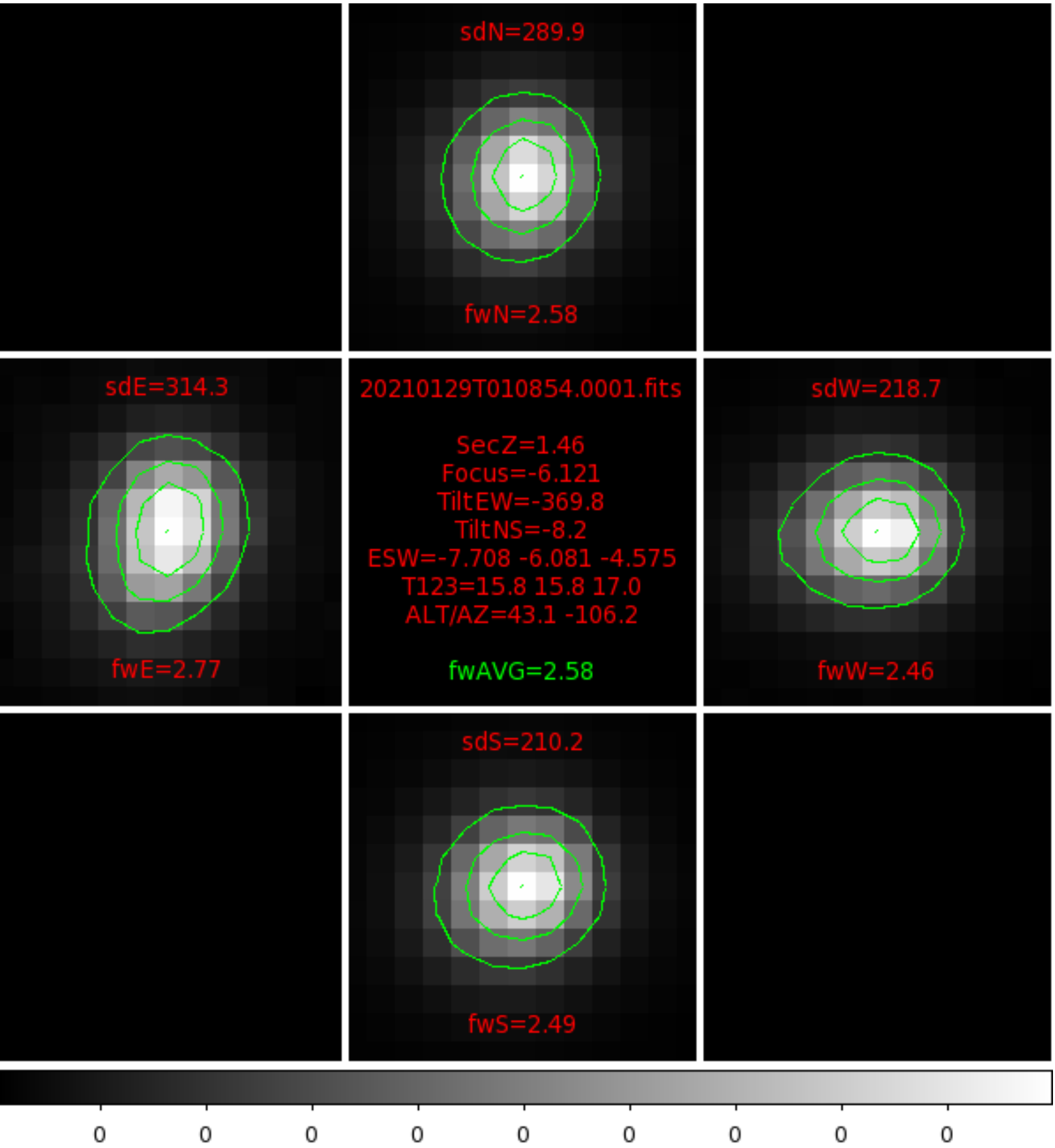
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Focus=-6.121
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TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.8 15.8 17.0
ALT/AZ=43.1 -106.2
fwAVG=2.58
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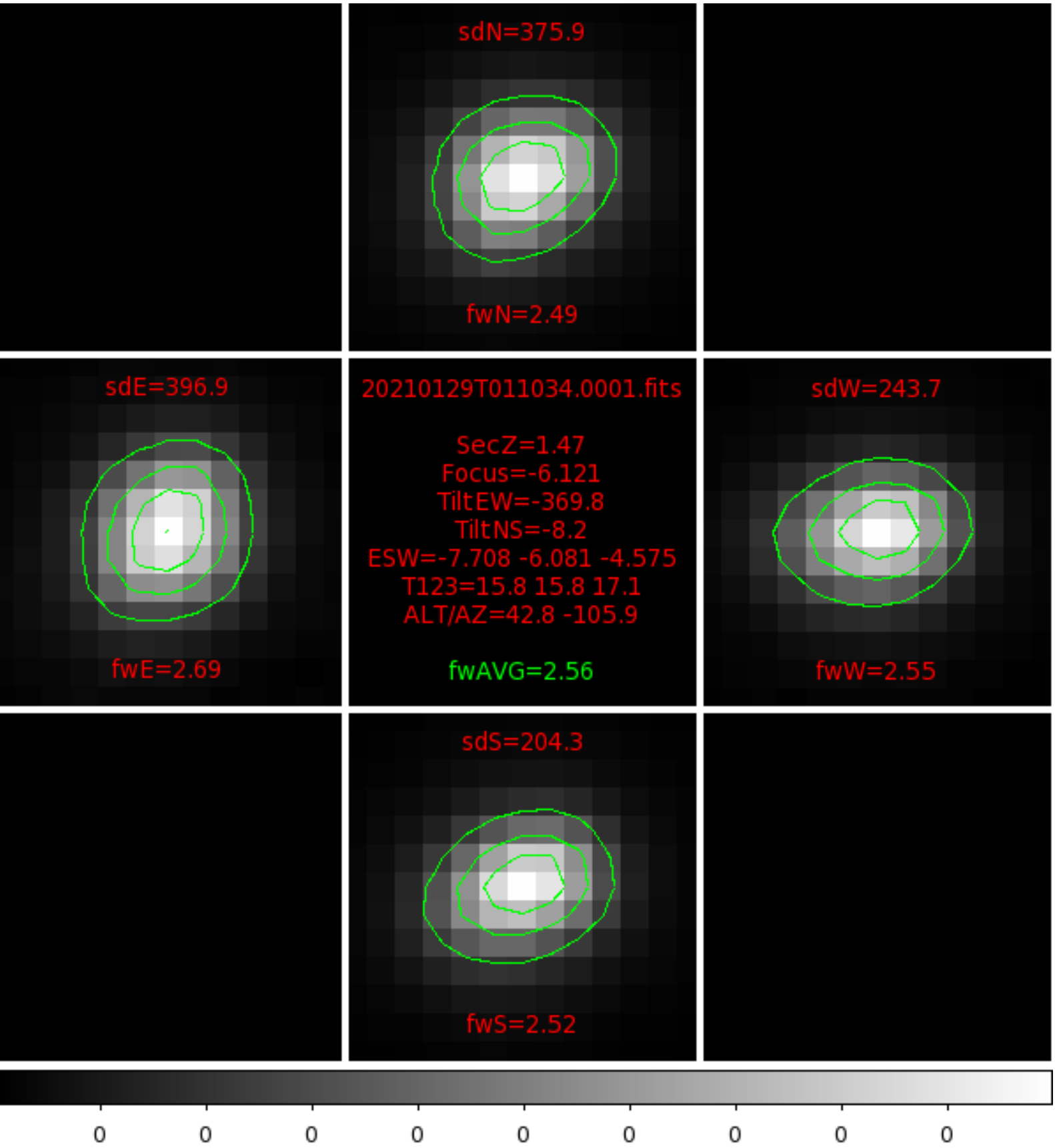
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TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.8 15.8 17.1
ALT/AZ=42.8 -105.9
fwAVG=2.56
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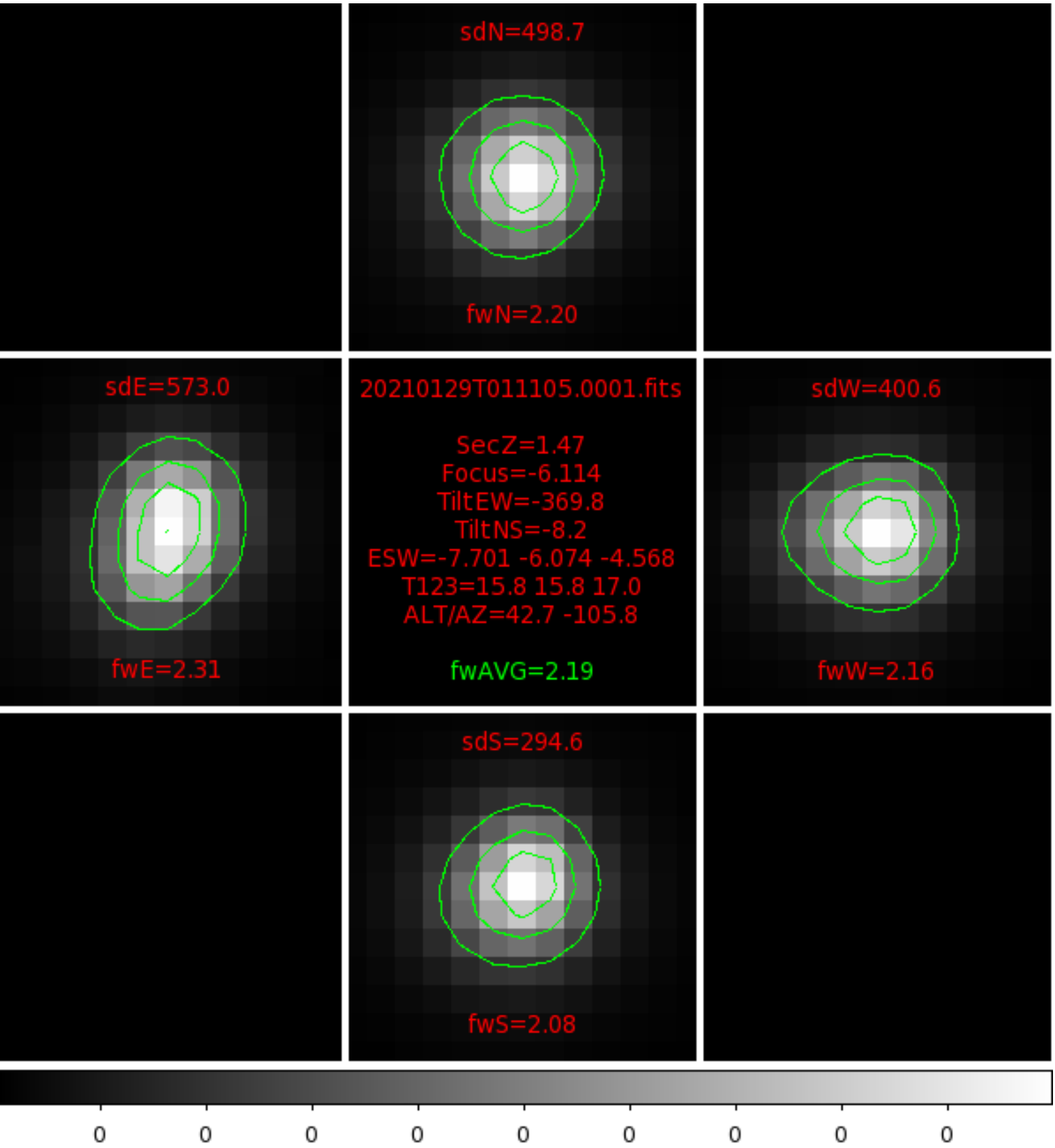
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ESW=-7.701 -6.074 -4.568
T123=15.8 15.8 17.0
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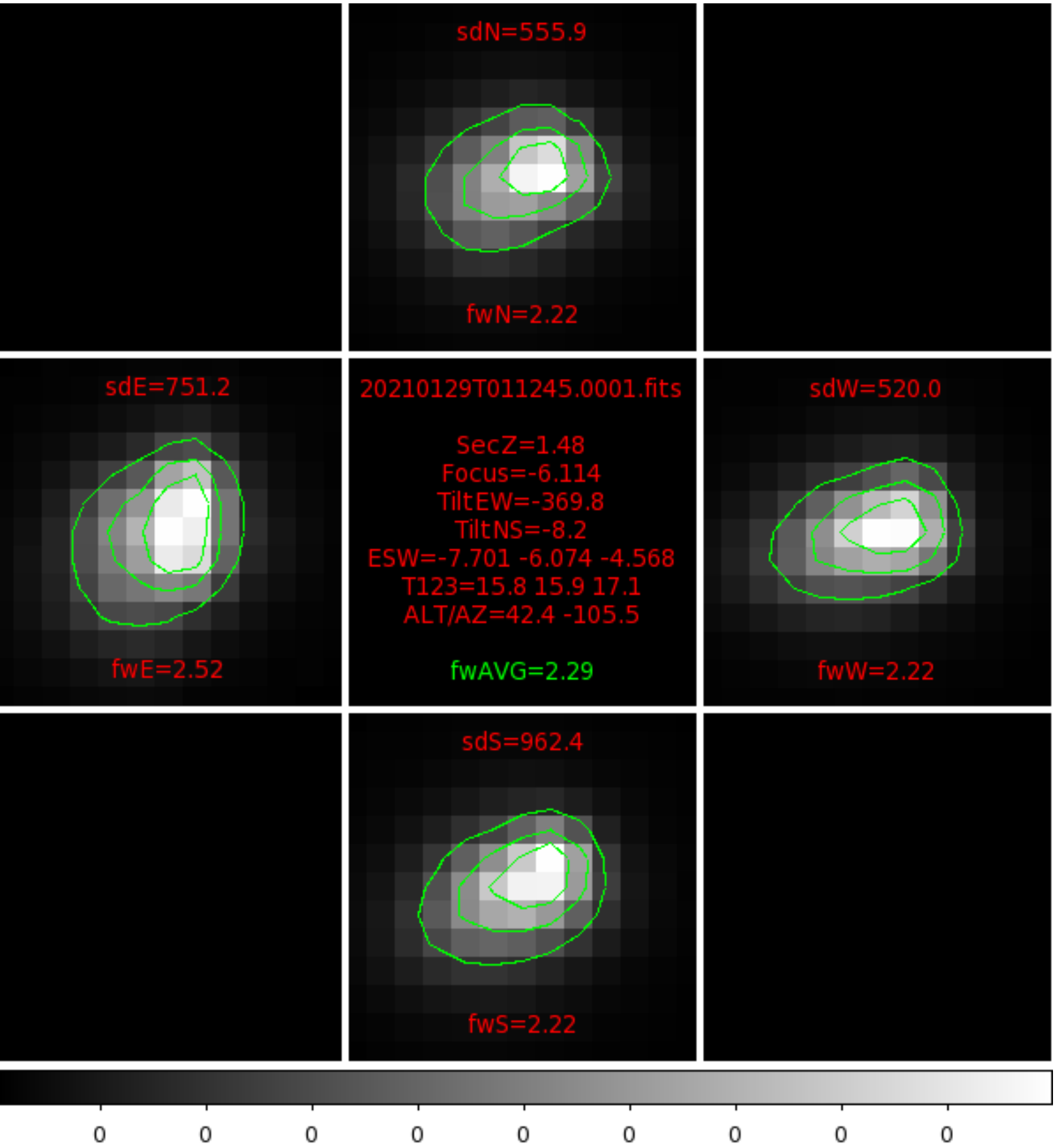
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ESW=-7.701 -6.074 -4.568
T123=15.8 15.9 17.1
ALT/AZ=42.4 -105.5
fwAVG=2.29
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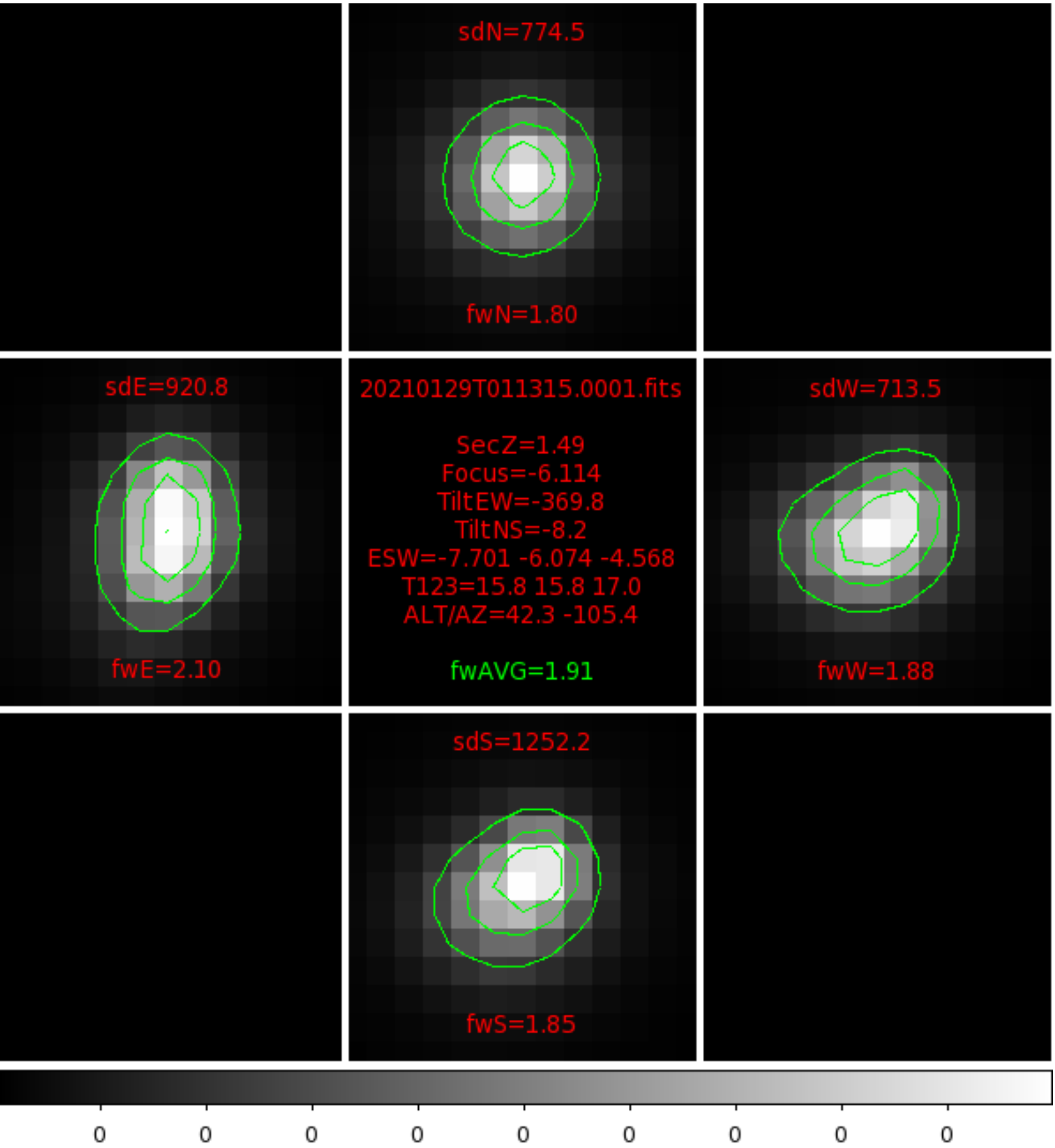
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SecZ=1.49
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TiltEW=-369.8
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ESW=-7.701 -6.074 -4.568
T123=15.8 15.8 17.0
ALT/AZ=42.3 -105.4
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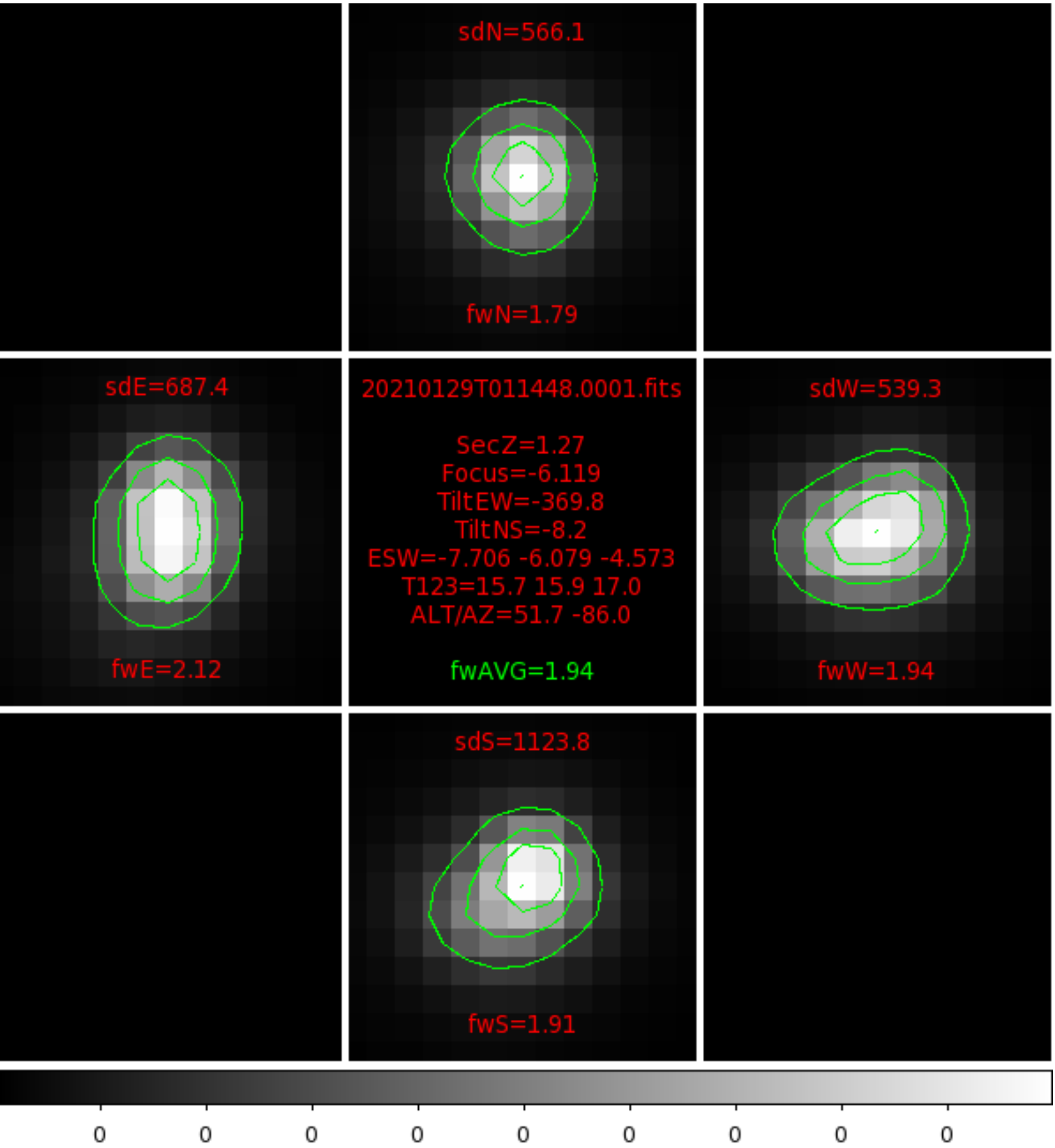
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SecZ=1.27
Focus=-6.119
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.706 -6.079 -4.573
T123=15.7 15.9 17.0
ALT/AZ=51.7 -86.0
fwAVG=1.94
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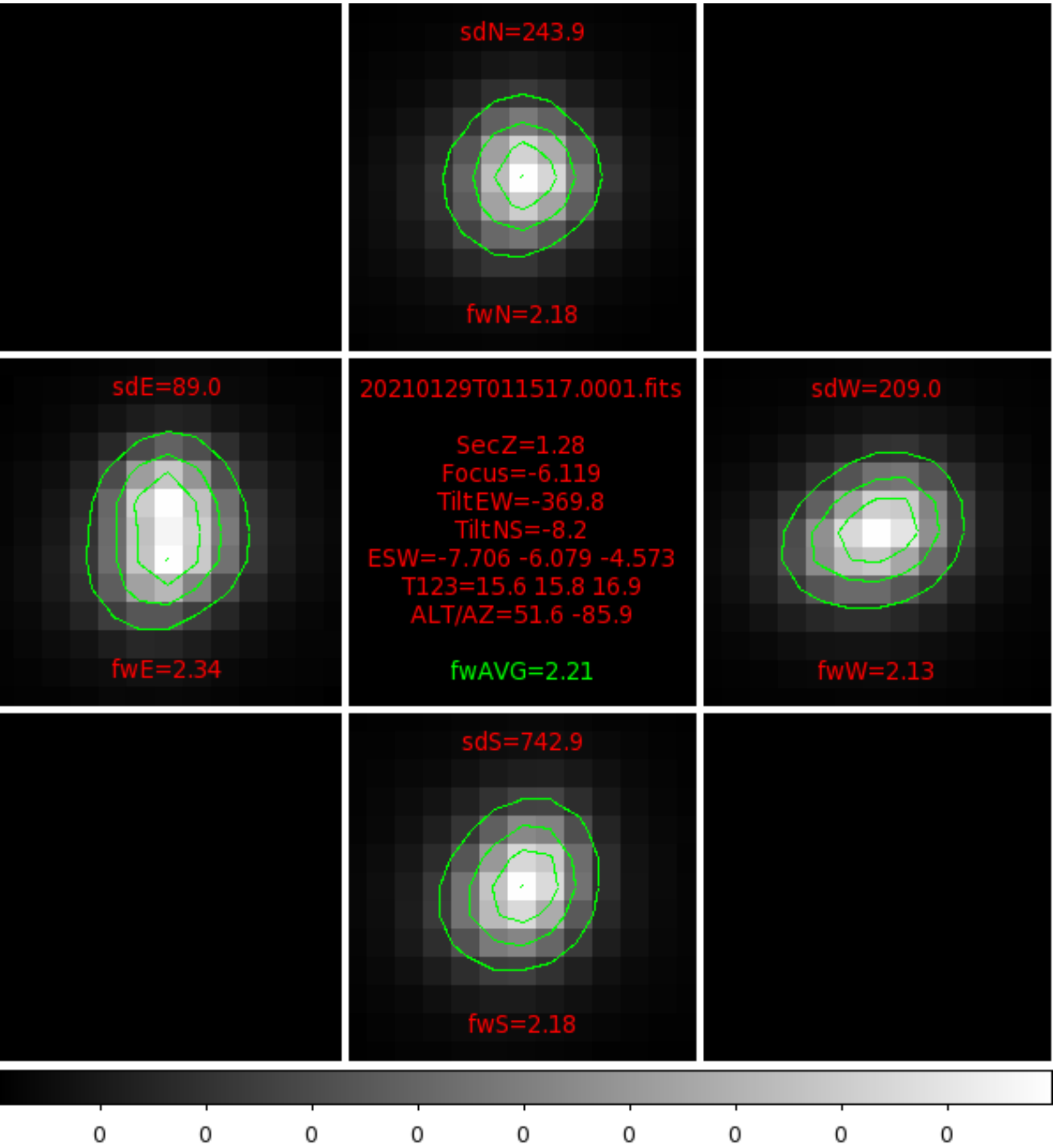
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SecZ=1.28
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.706 -6.079 -4.573
T123=15.6 15.8 16.9
ALT/AZ=51.6 -85.9
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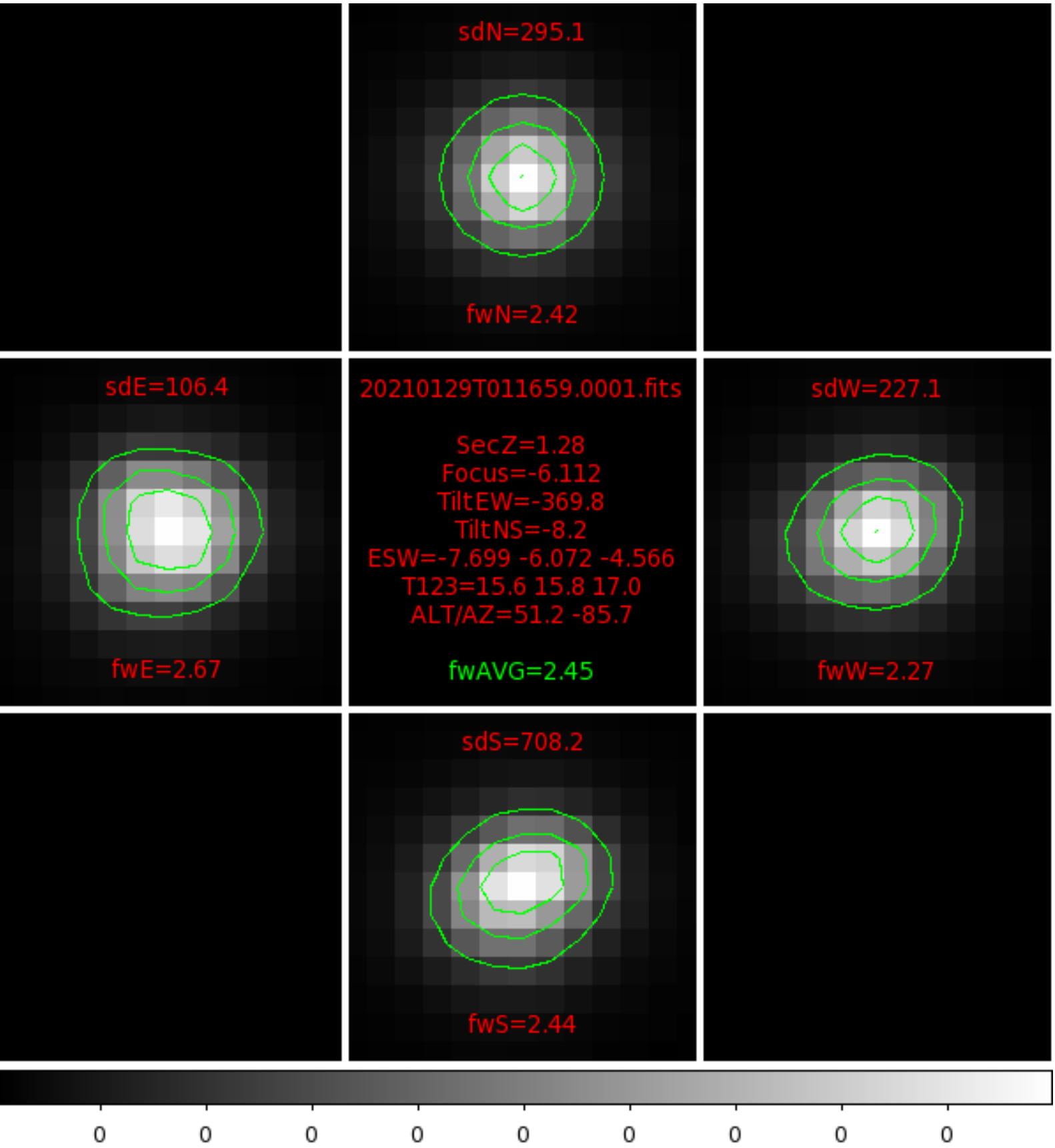
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SecZ=1.28
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.699 -6.072 -4.566
T123=15.6 15.8 17.0
ALT/AZ=51.2 -85.7
fwAVG=2.45
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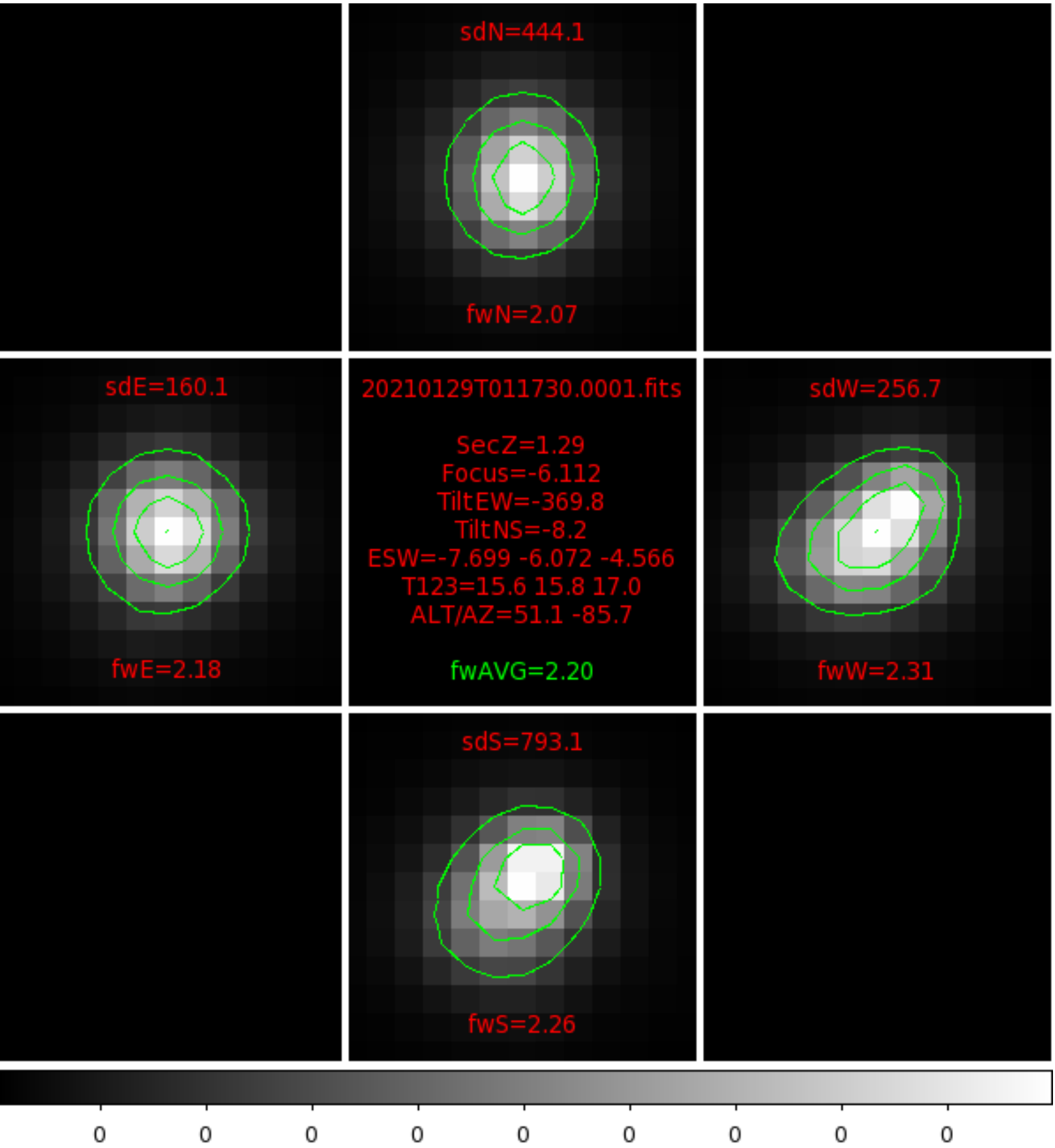
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SecZ=1.29
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TiltNS=-8.2
ESW=-7.699 -6.072 -4.566
T123=15.6 15.8 17.0
ALT/AZ=51.1 -85.7
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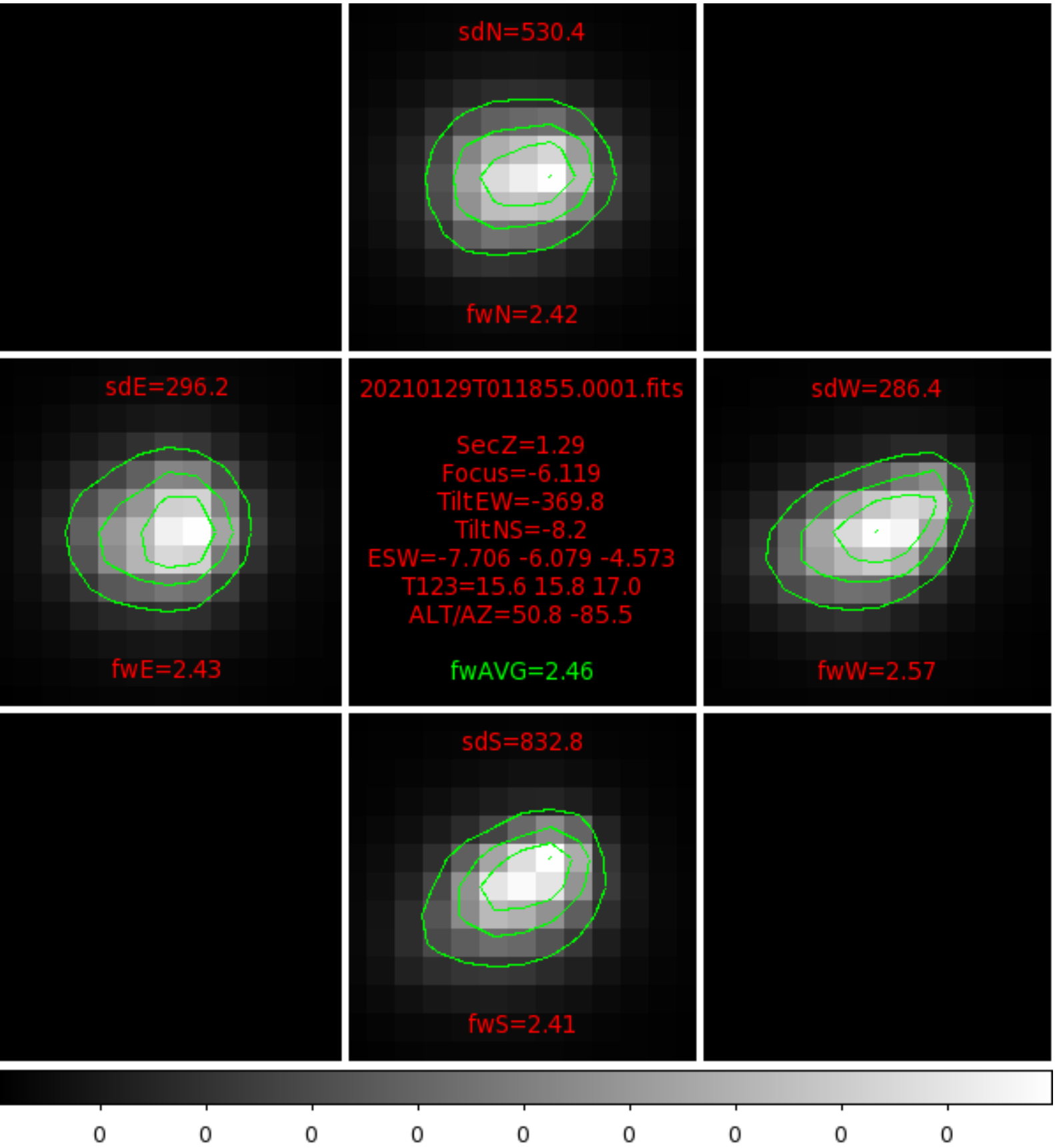
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SecZ=1.29
Focus=-6.119
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.706 -6.079 -4.573
T123=15.6 15.8 17.0
ALT/AZ=50.8 -85.5
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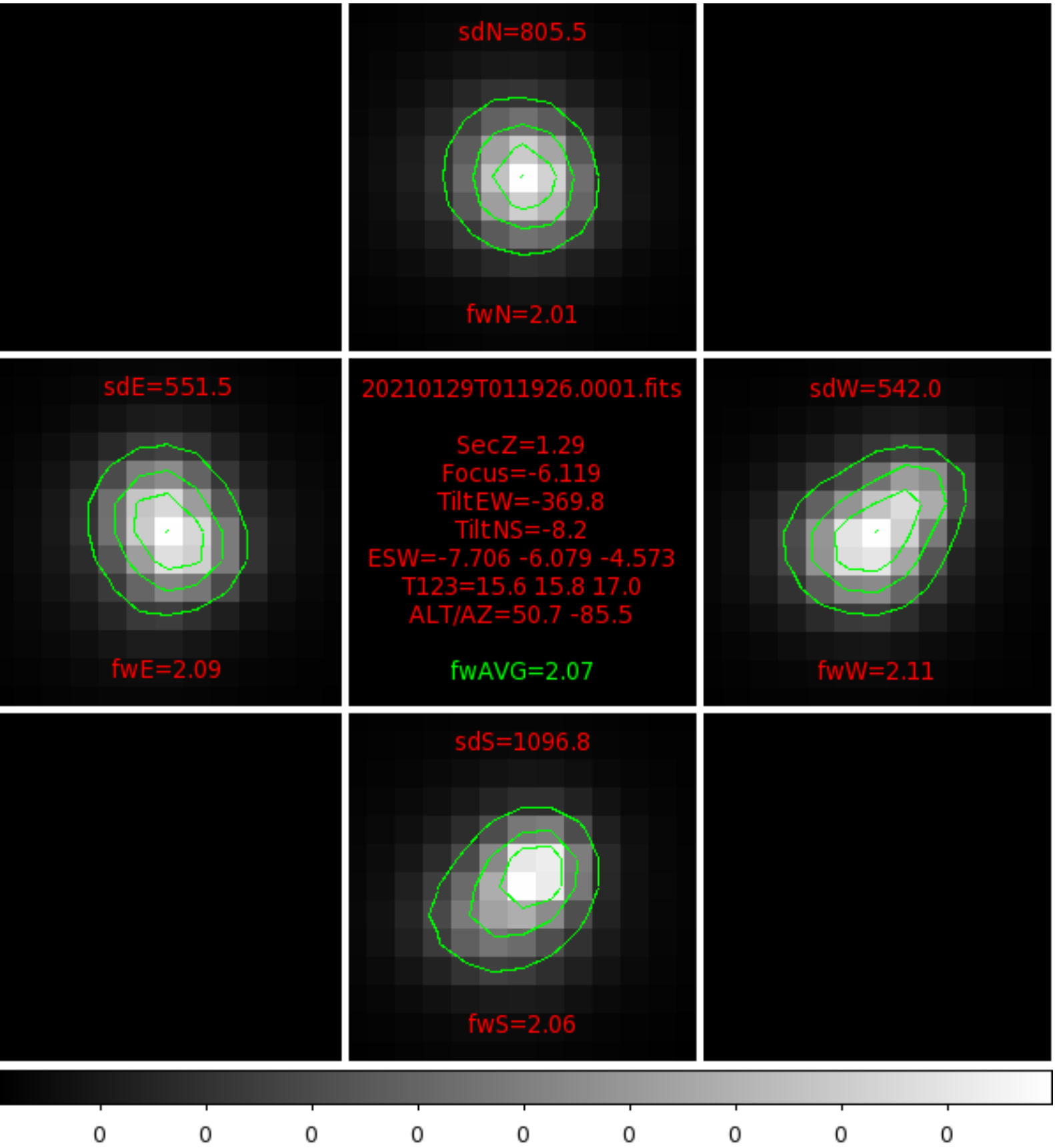
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SecZ=1.29
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.706 -6.079 -4.573
T123=15.6 15.8 17.0
ALT/AZ=50.7 -85.5
fwAVG=2.07
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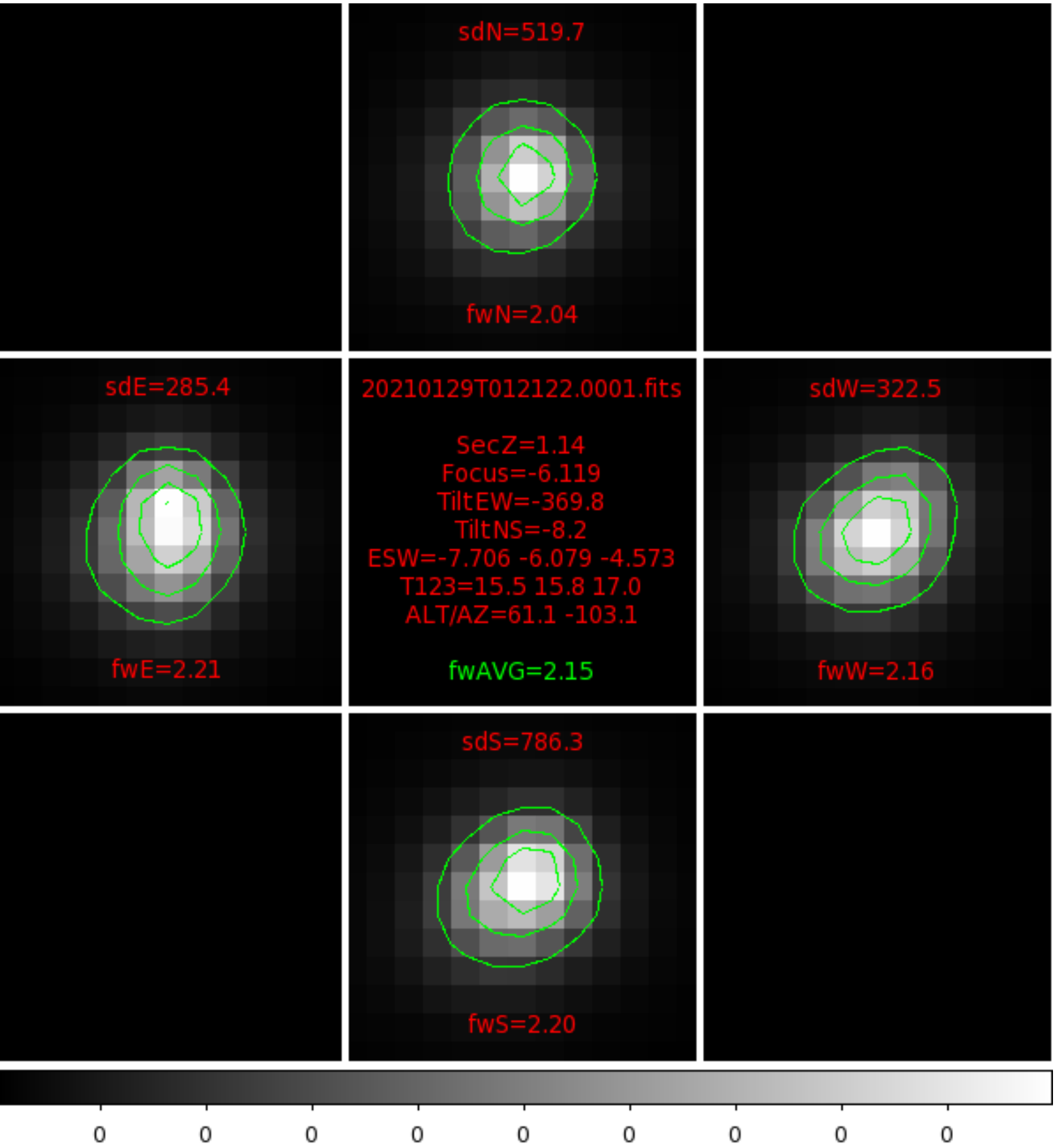
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SecZ=1.14
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TiltNS=-8.2
ESW=-7.706 -6.079 -4.573
T123=15.5 15.8 17.0
ALT/AZ=61.1 -103.1
fwAVG=2.15
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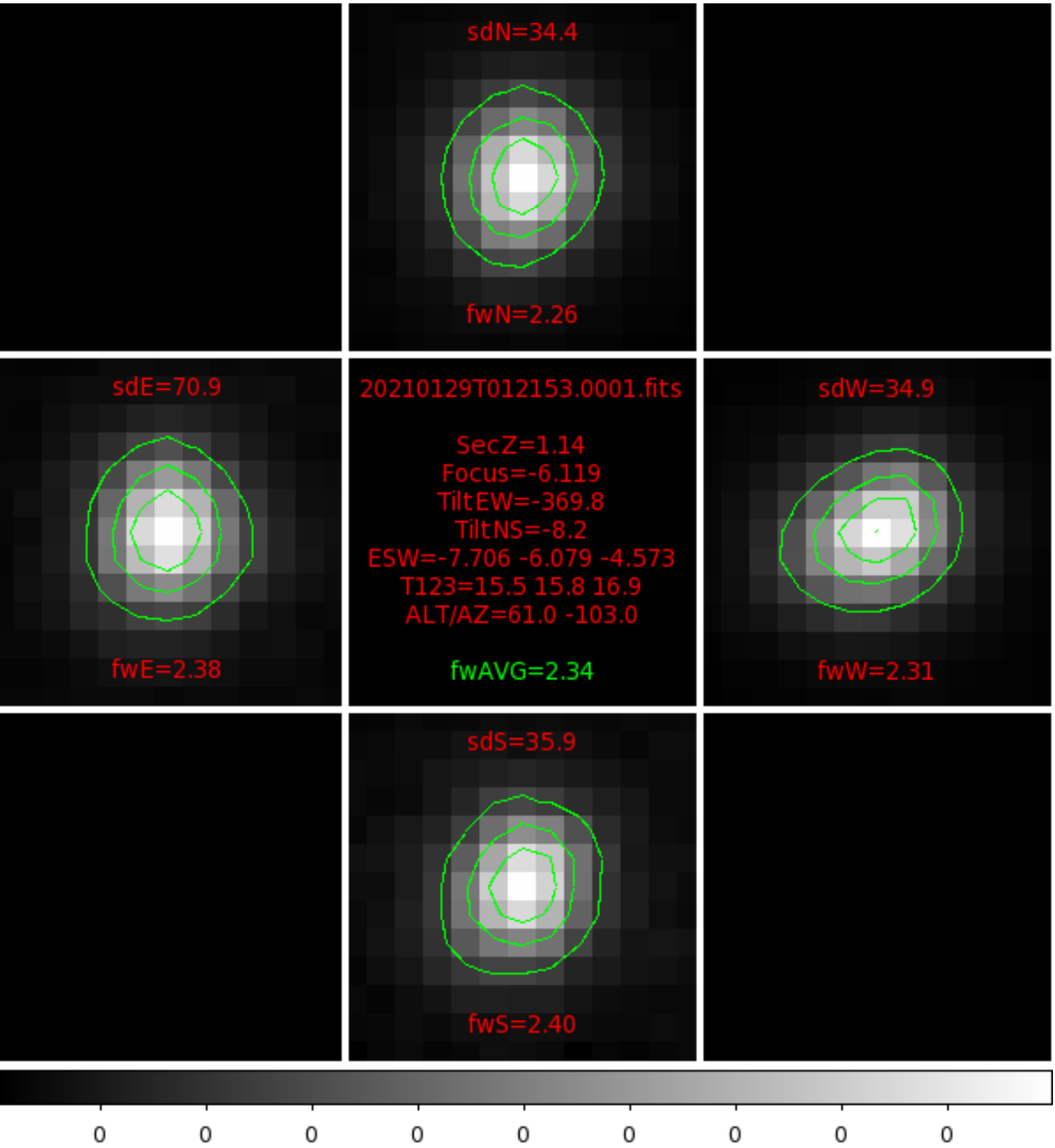
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SecZ=1.14
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.706 -6.079 -4.573
T123=15.5 15.8 16.9
ALT/AZ=61.0 -103.0
fwAVG=2.34
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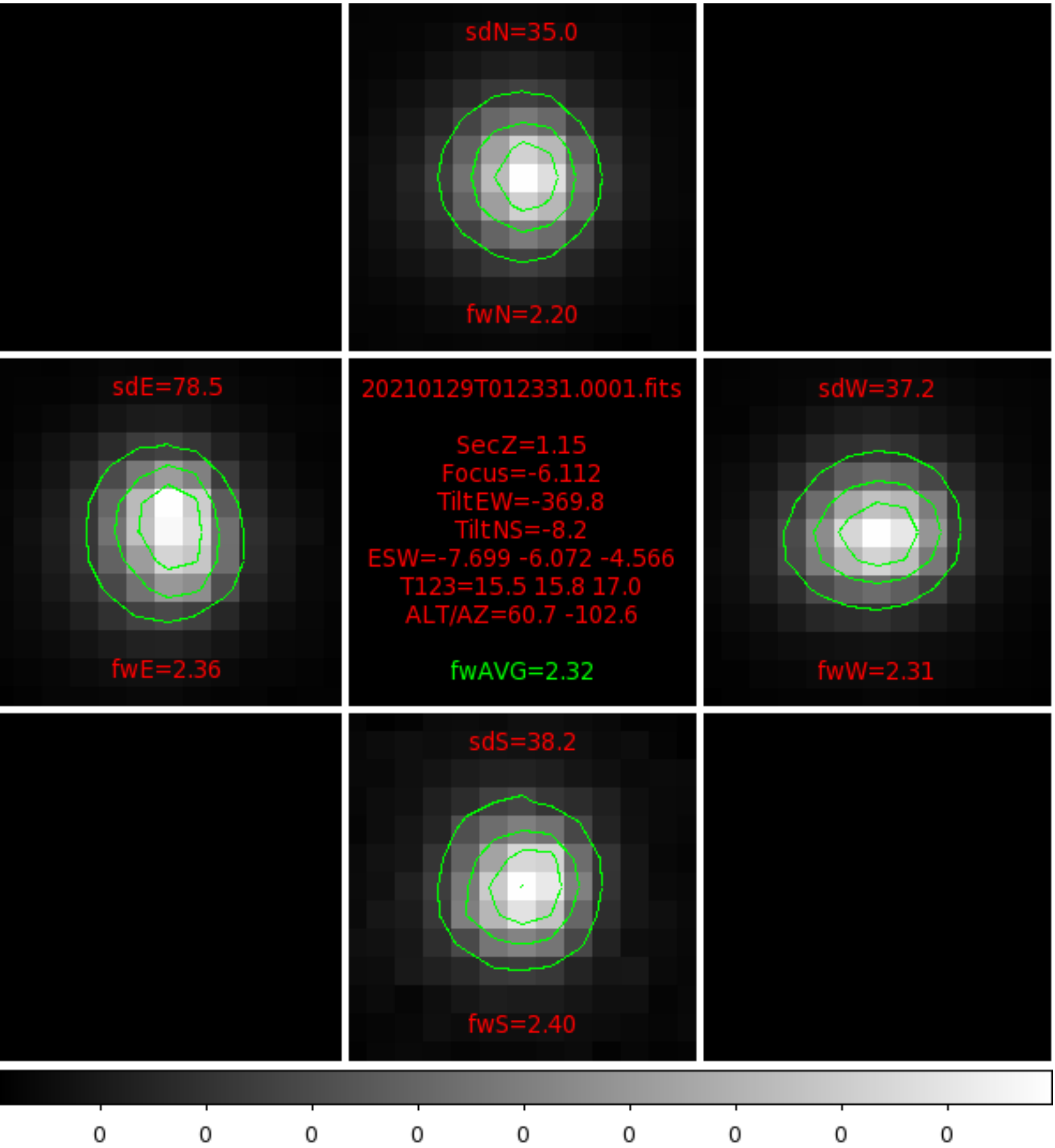
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SecZ=1.15
Focus=-6.112
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.699 -6.072 -4.566
T123=15.5 15.8 17.0
ALT/AZ=60.7 -102.6
fwAVG=2.32
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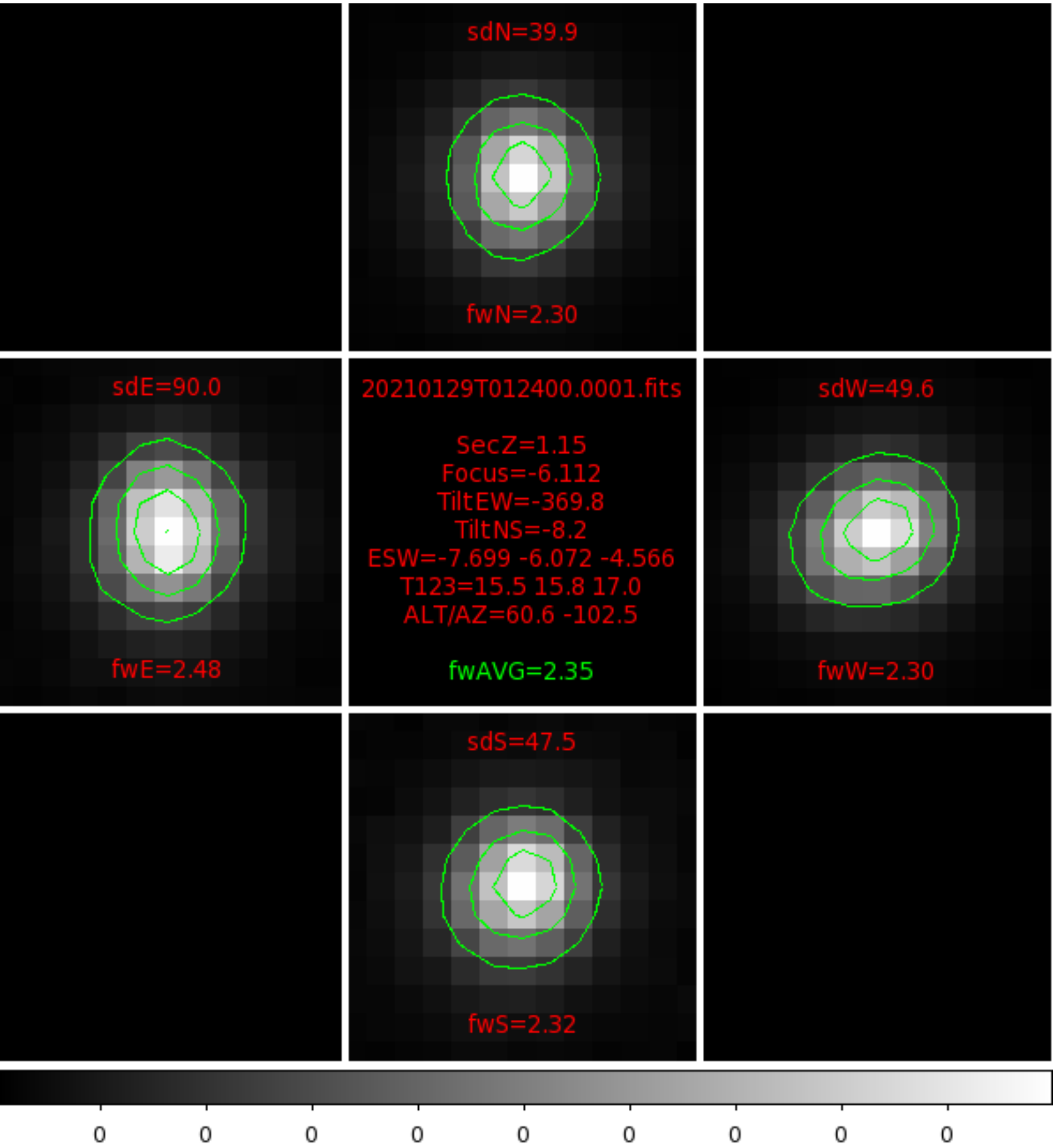
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20210129T012400.0001.fits
SecZ=1.15
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.699 -6.072 -4.566
T123=15.5 15.8 17.0
ALT/AZ=60.6 -102.5
fwAVG=2.35
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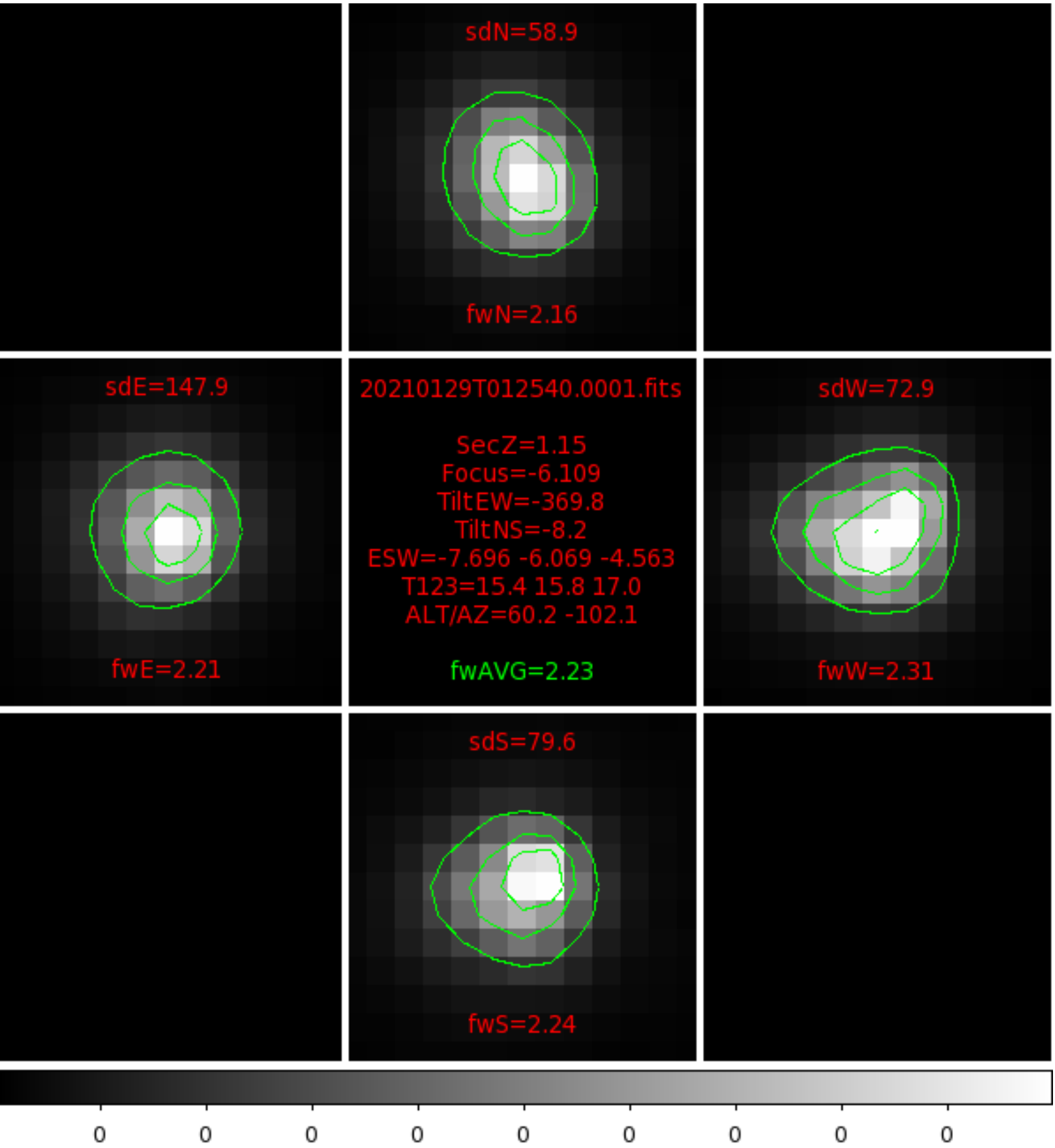
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Focus=-6.109
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=15.4 15.8 17.0
ALT/AZ=60.2 -102.1
fwAVG=2.23
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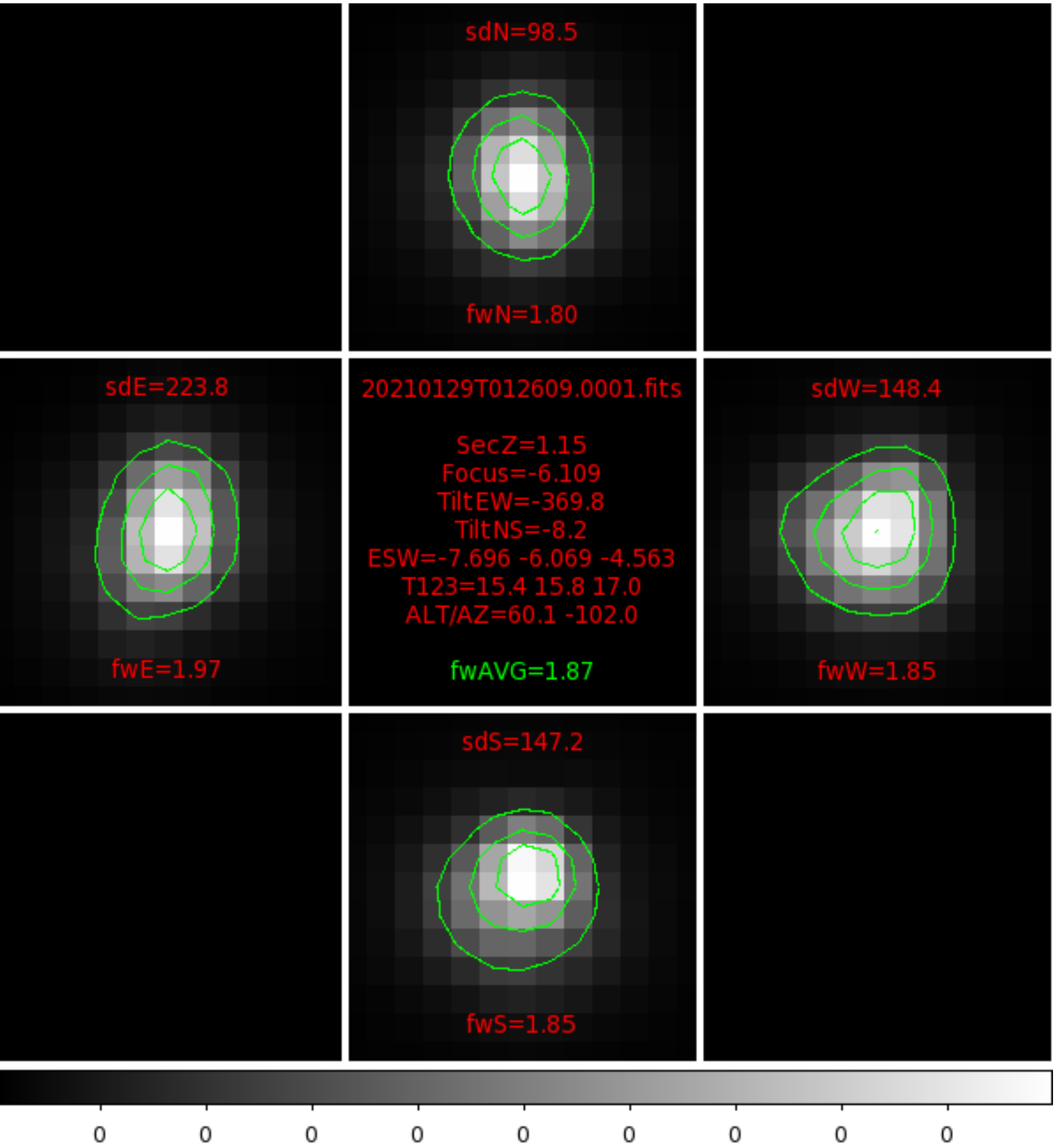
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SecZ=1.15
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=15.4 15.8 17.0
ALT/AZ=60.1 -102.0
fwAVG=1.87
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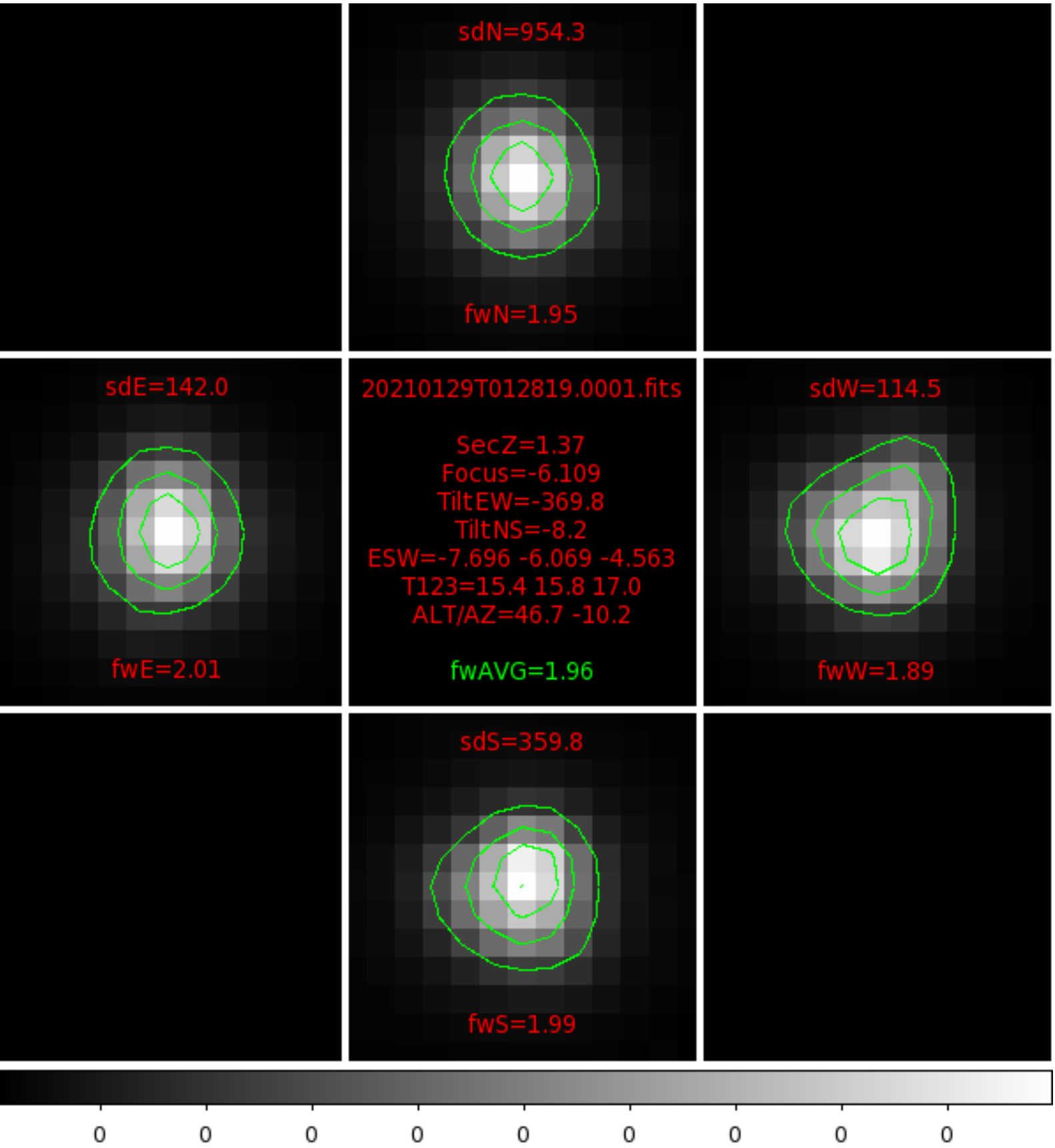
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SecZ=1.37
Focus=-6.109
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=15.4 15.8 17.0
ALT/AZ=46.7 -10.2
fwAVG=1.96
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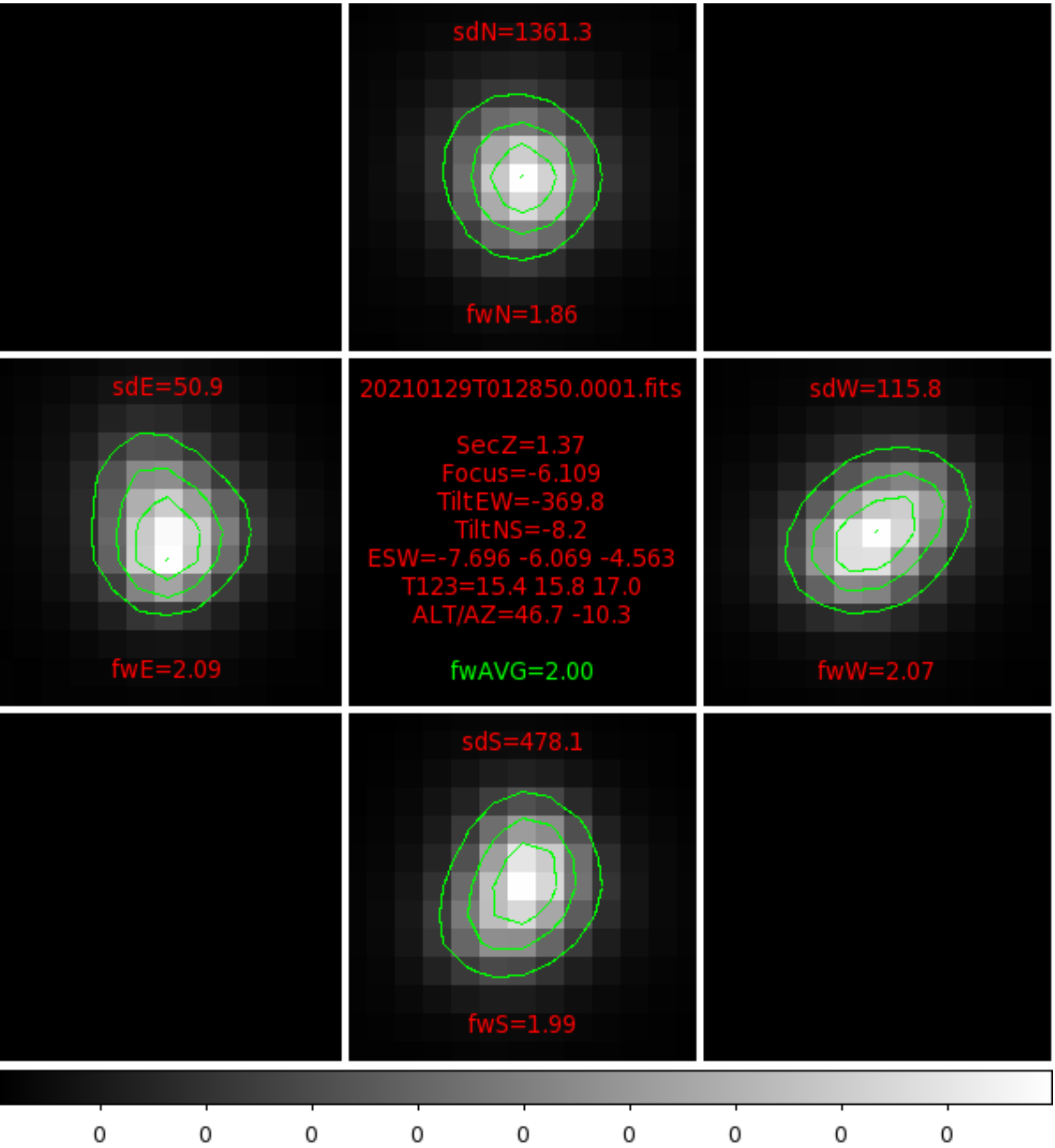
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SecZ=1.37
Focus=-6.109
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=15.4 15.8 17.0
ALT/AZ=46.7 -10.3
fwAVG=2.00
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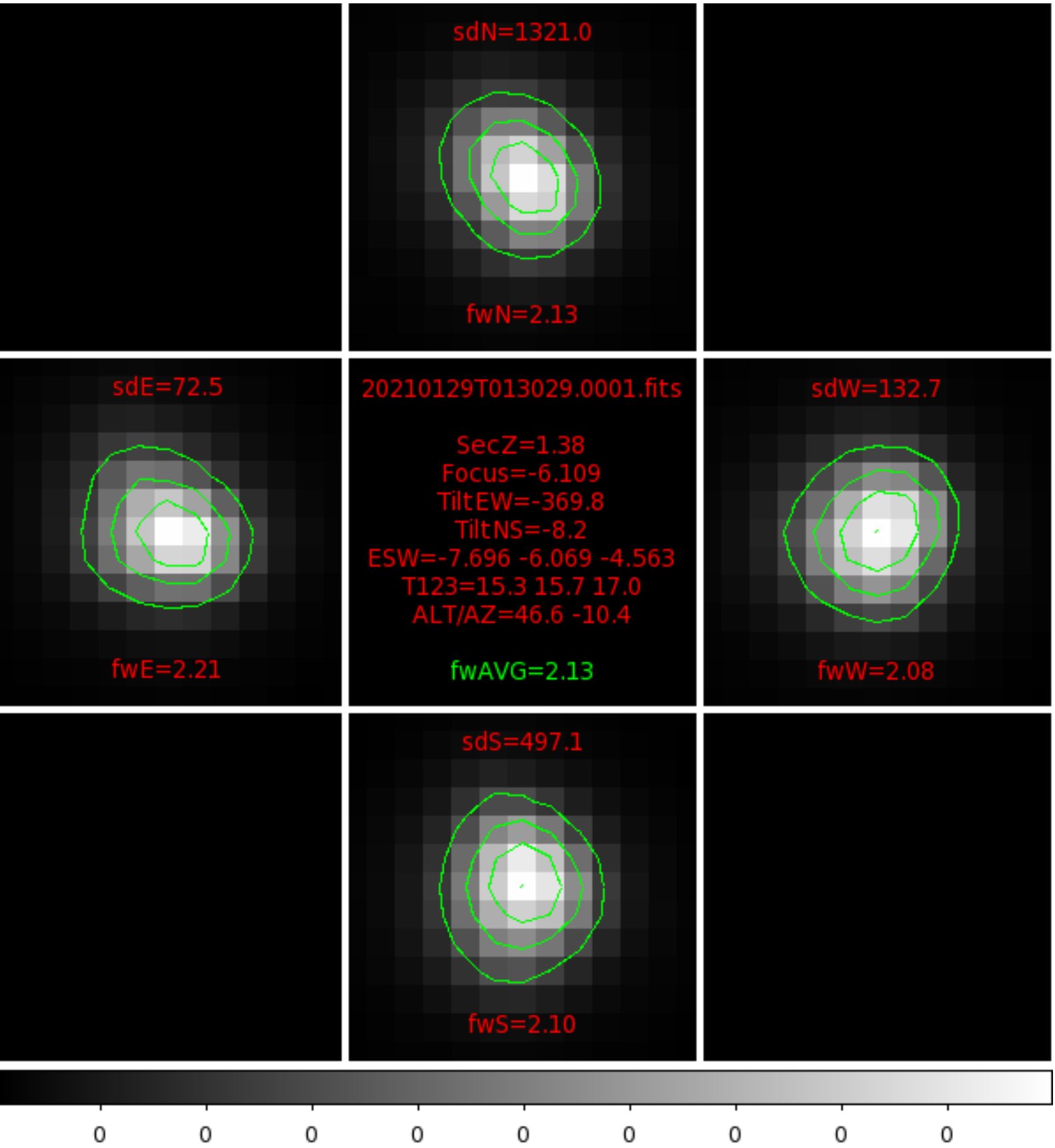
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sdE=72.5
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20210129T013029.0001.fits
SecZ=1.38
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=15.3 15.7 17.0
ALT/AZ=46.6 -10.4
fwAVG=2.13
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sdS=497.1
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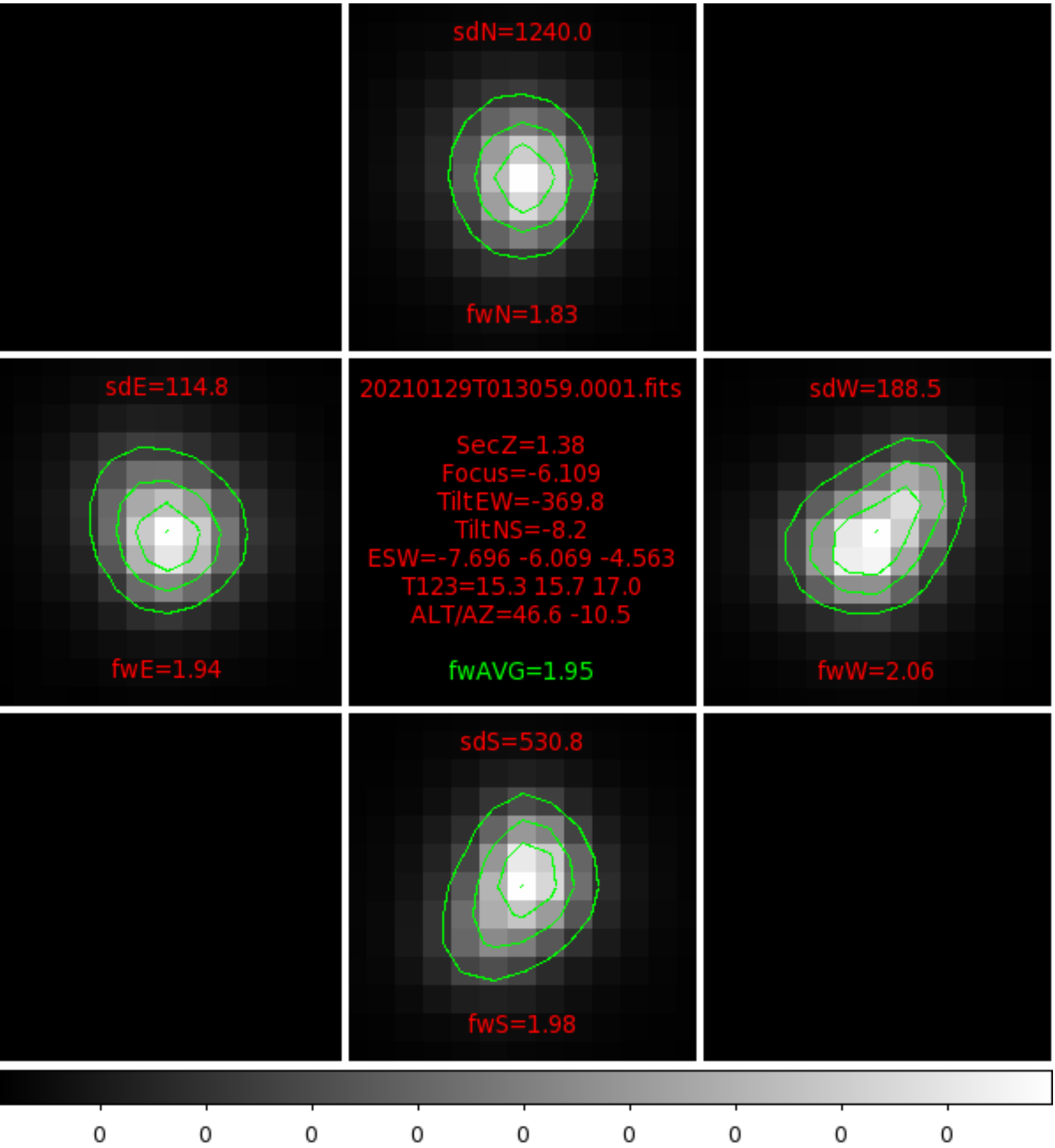
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SecZ=1.38
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=15.3 15.7 17.0
ALT/AZ=46.6 -10.5
fwAVG=1.95
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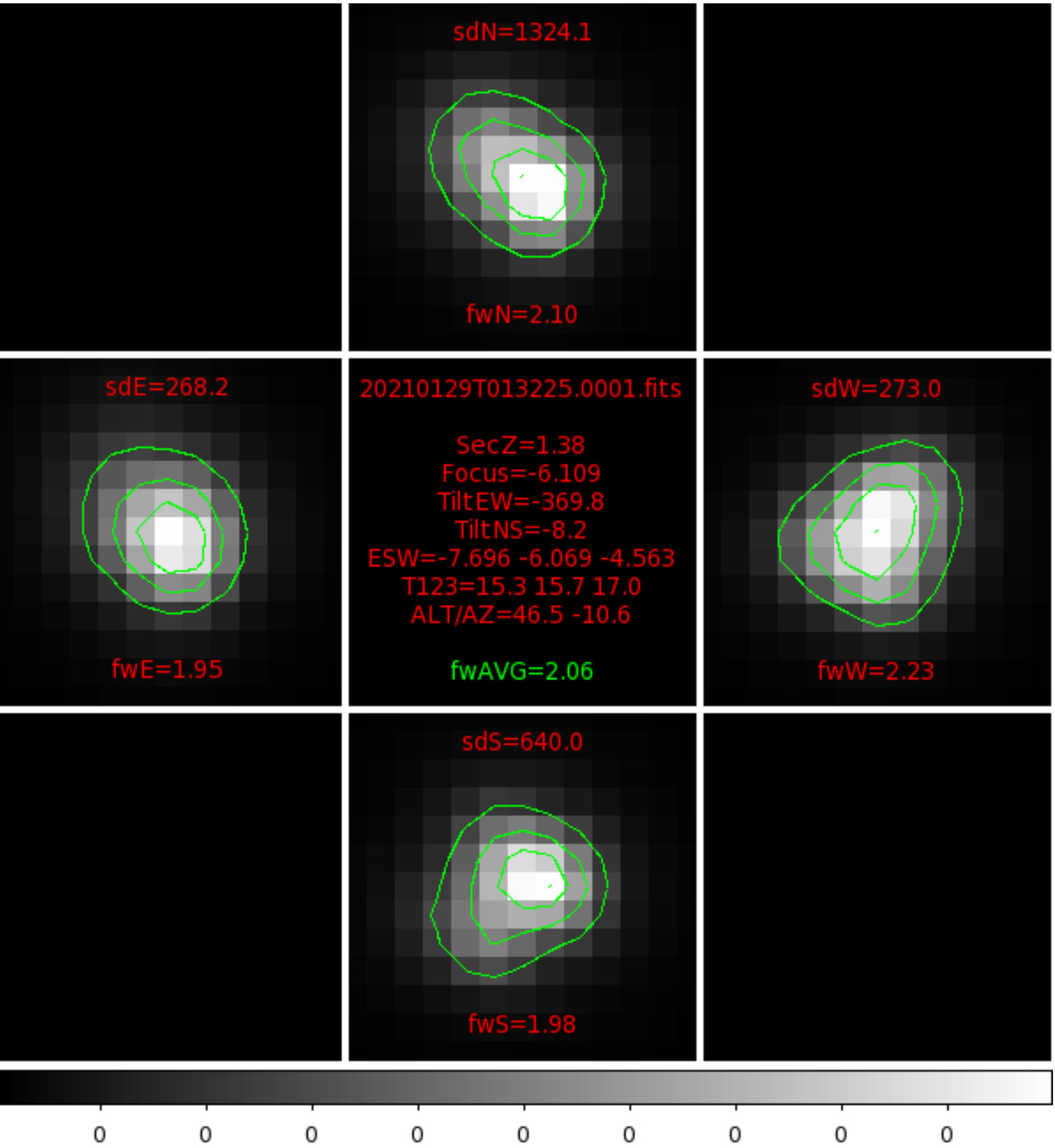
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sdE=268.2
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SecZ=1.38
Focus=-6.109
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=15.3 15.7 17.0
ALT/AZ=46.5 -10.6
fwAVG=2.06
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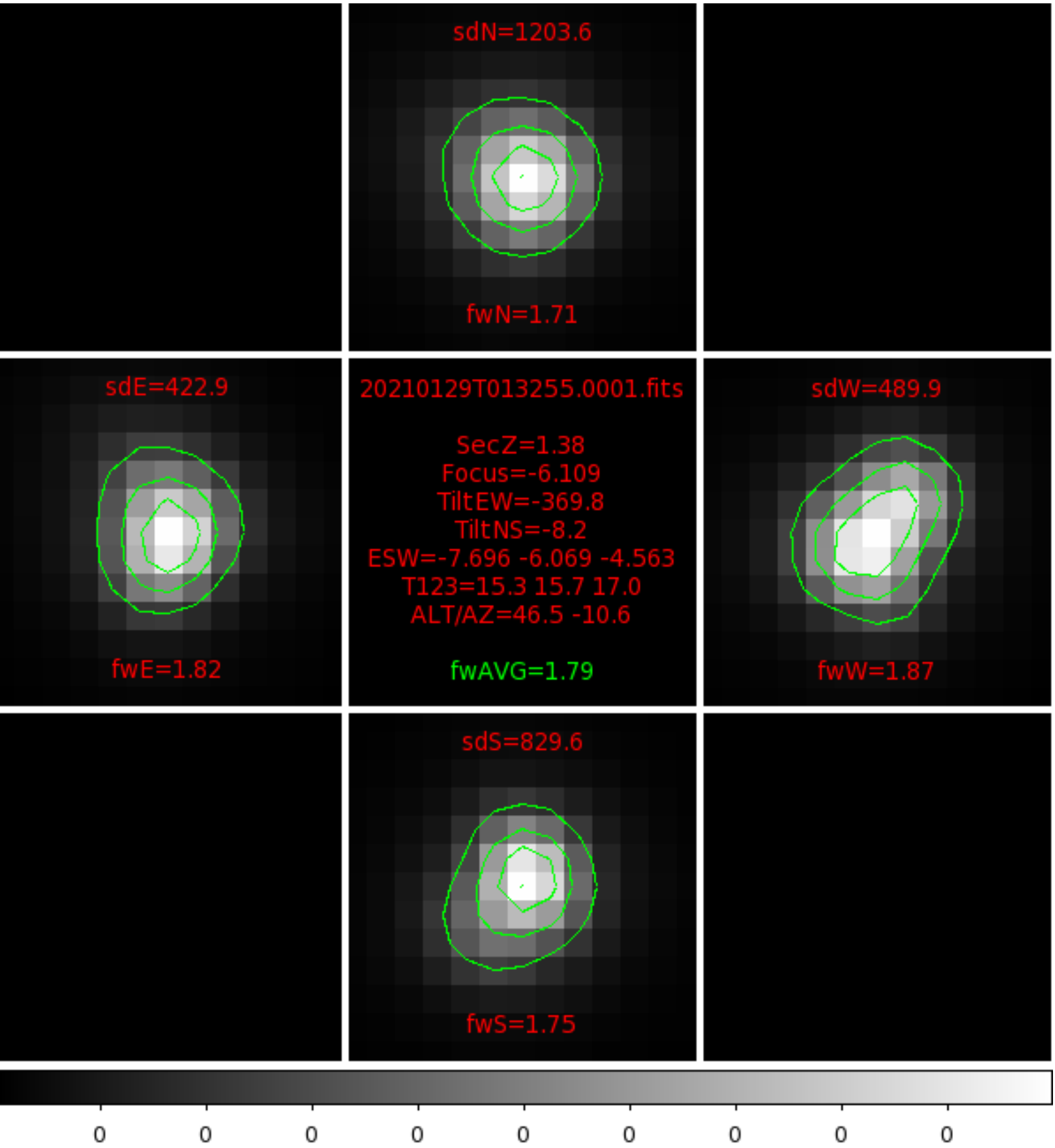
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SecZ=1.38
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=15.3 15.7 17.0
ALT/AZ=46.5 -10.6
fwAVG=1.79
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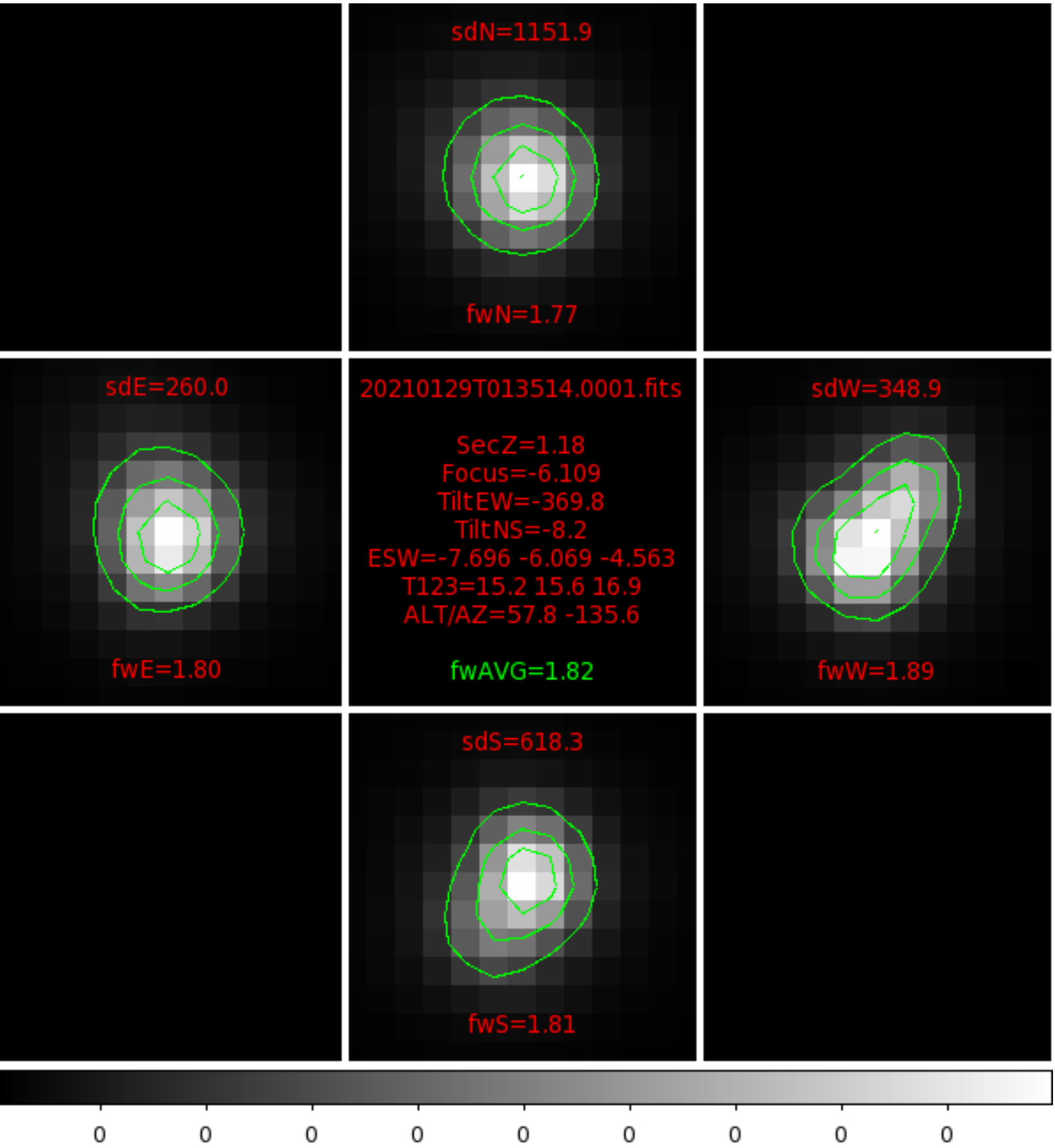
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SecZ=1.18
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TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=15.2 15.6 16.9
ALT/AZ=57.8 -135.6
fwAVG=1.82
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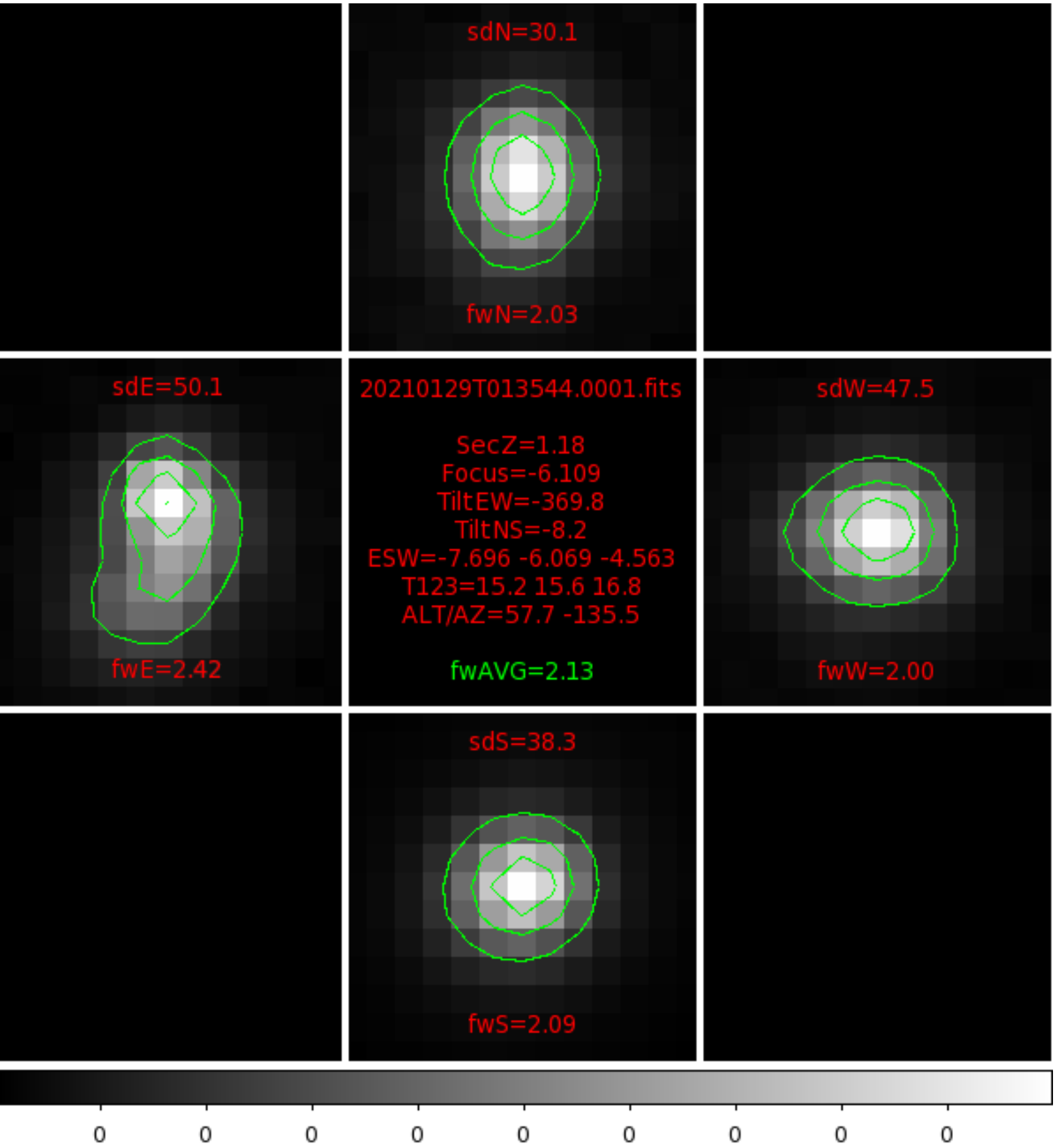
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SecZ=1.18
Focus=-6.109
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=15.2 15.6 16.8
ALT/AZ=57.7 -135.5
fwAVG=2.13
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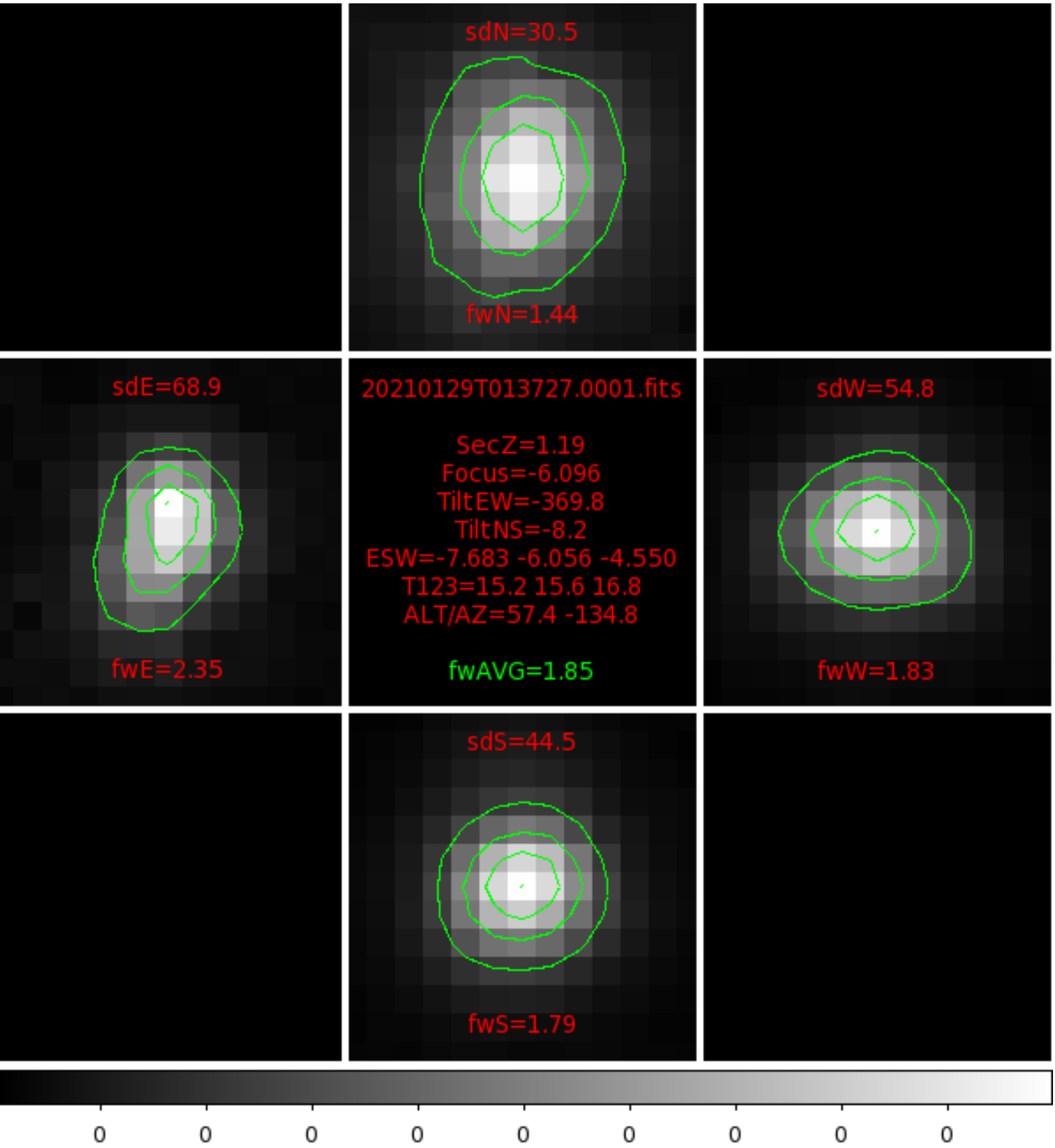
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SecZ=1.19
Focus=-6.096
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.683 -6.056 -4.550
T123=15.2 15.6 16.8
ALT/AZ=57.4 -134.8
fwAVG=1.85
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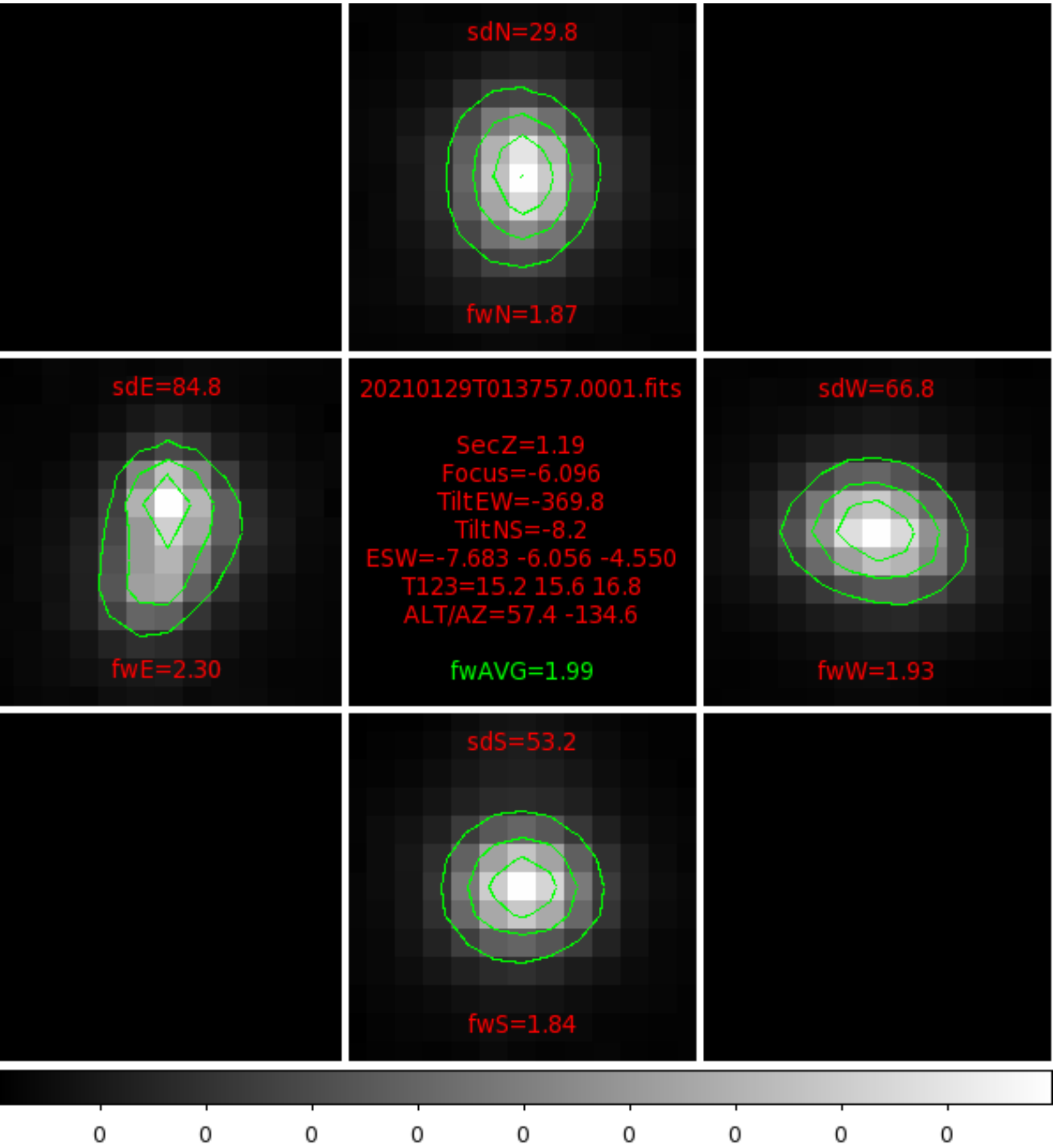
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SecZ=1.19
Focus=-6.096
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.683 -6.056 -4.550
T123=15.2 15.6 16.8
ALT/AZ=57.4 -134.6
fwAVG=1.99
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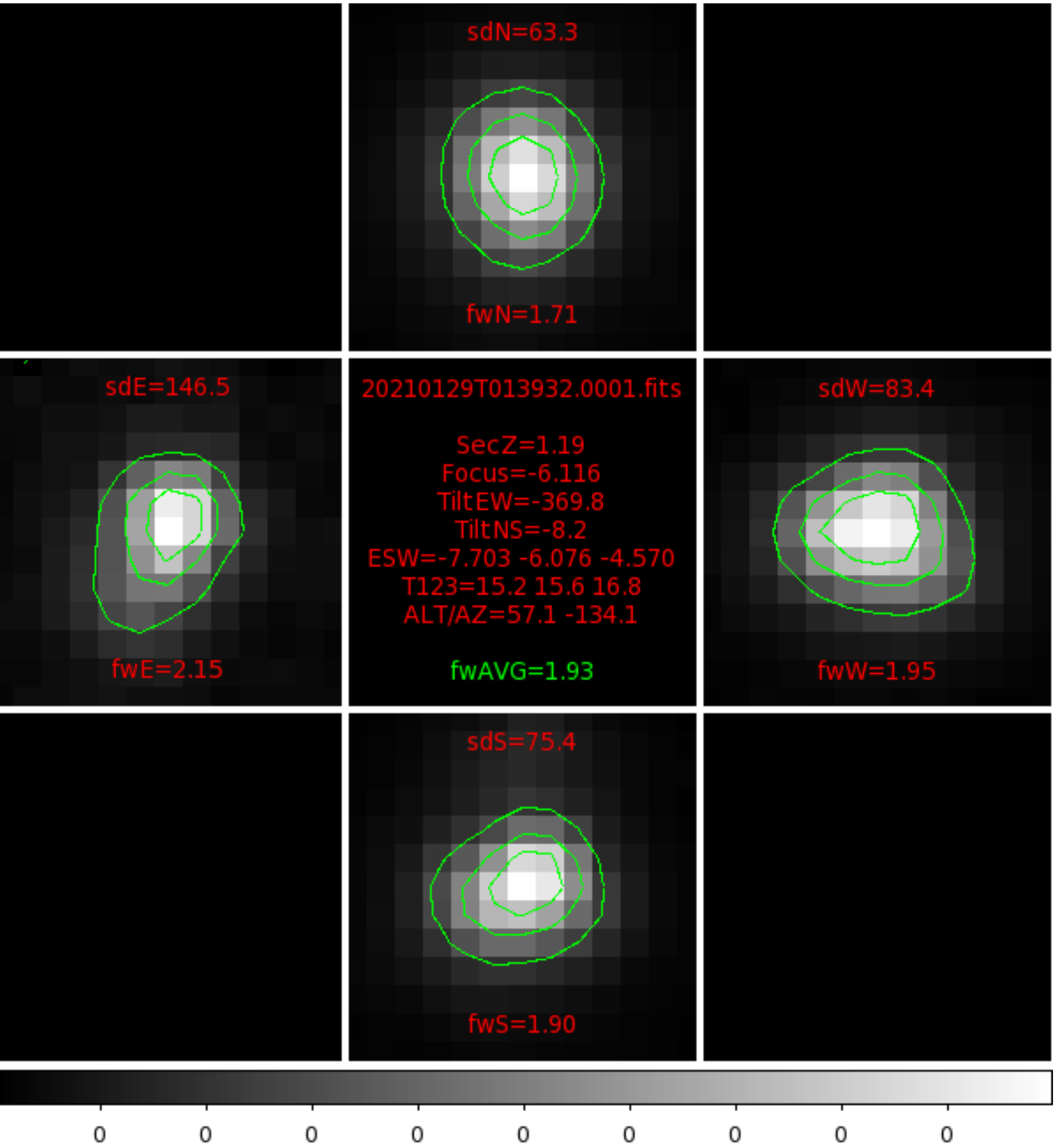
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Focus=-6.116
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.703 -6.076 -4.570
T123=15.2 15.6 16.8
ALT/AZ=57.1 -134.1
fwAVG=1.93
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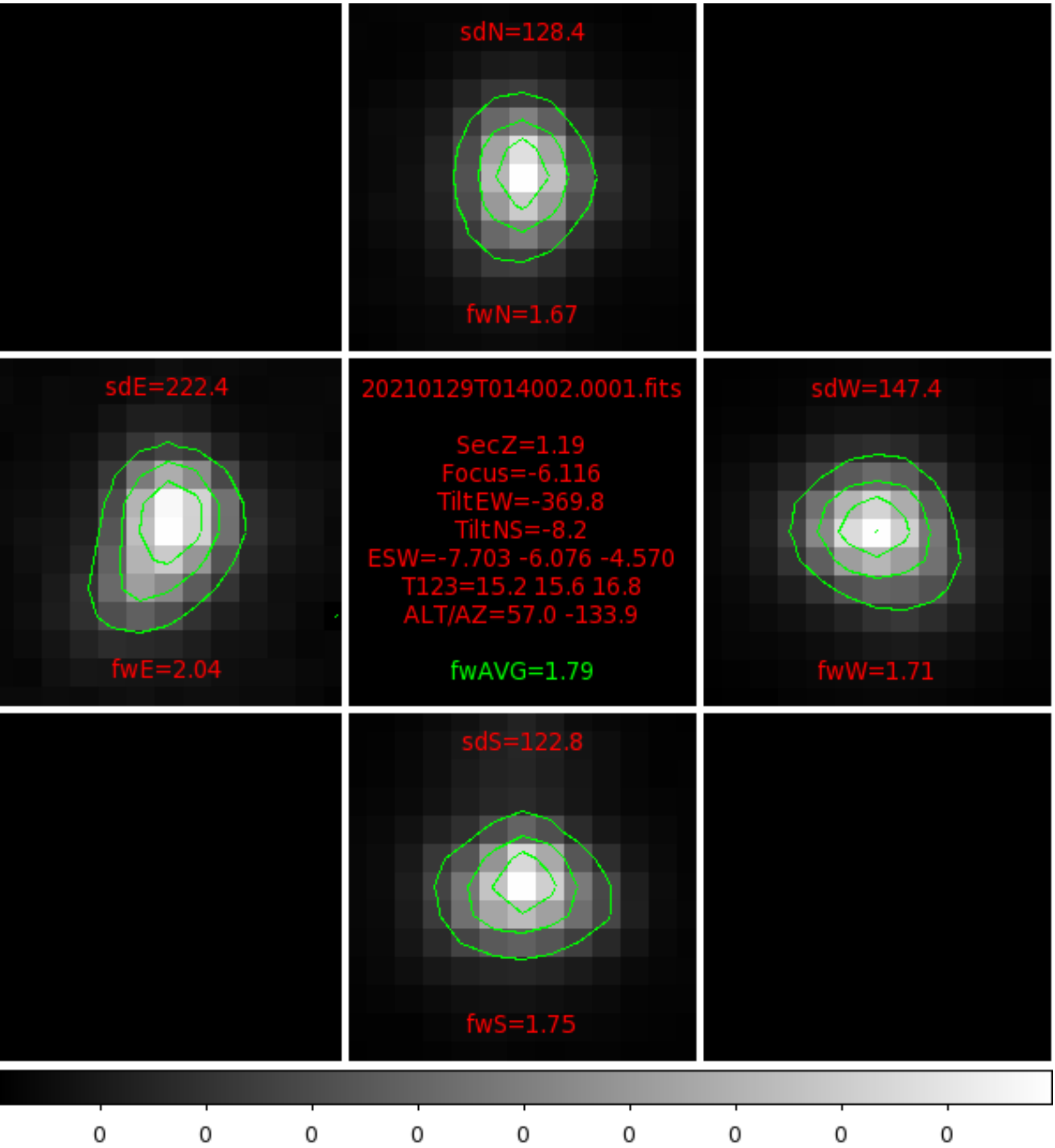
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.703 -6.076 -4.570
T123=15.2 15.6 16.8
ALT/AZ=57.0 -133.9
fwAVG=1.79
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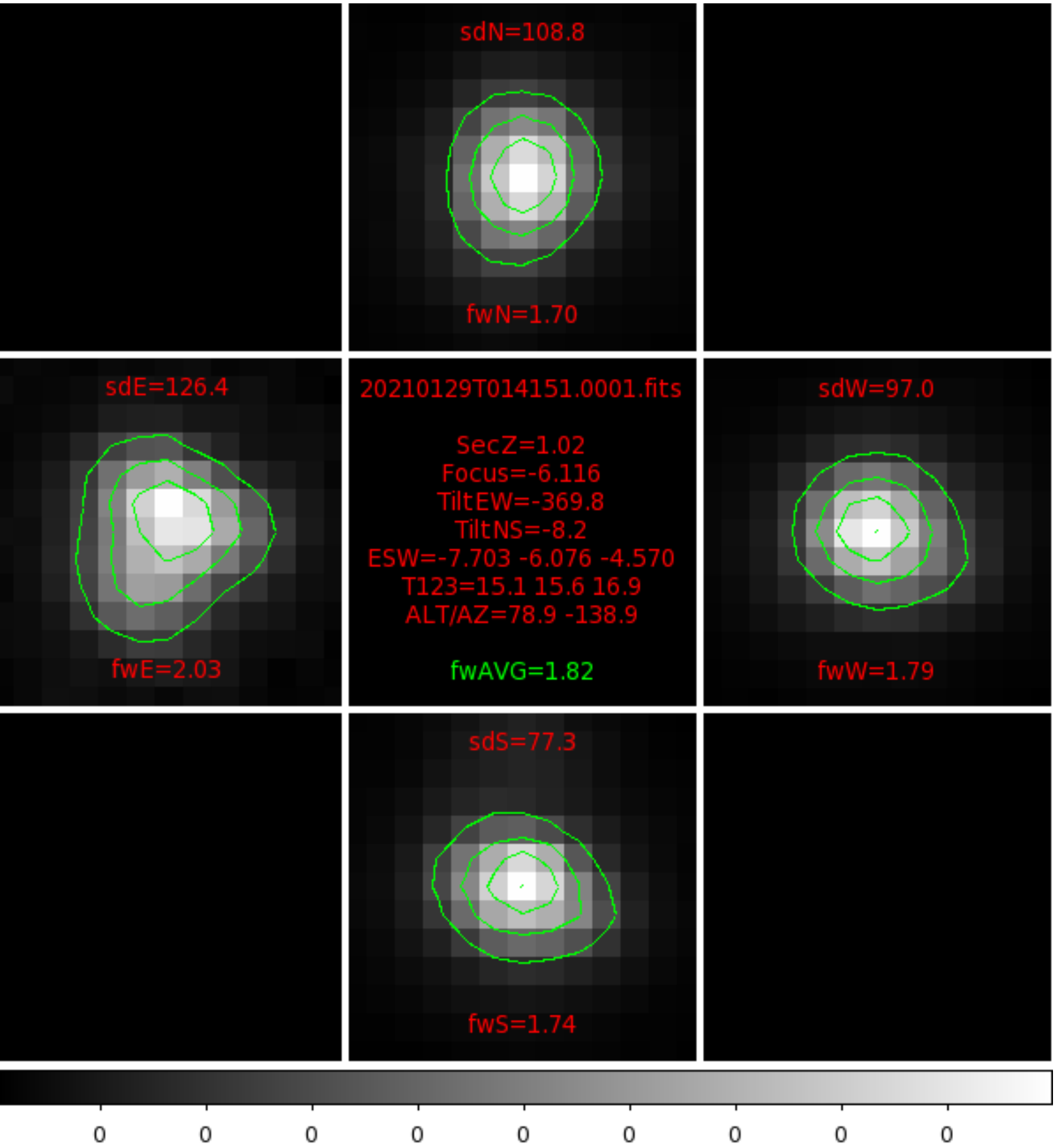
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Focus=-6.116
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.703 -6.076 -4.570
T123=15.1 15.6 16.9
ALT/AZ=78.9 -138.9
fwAVG=1.82
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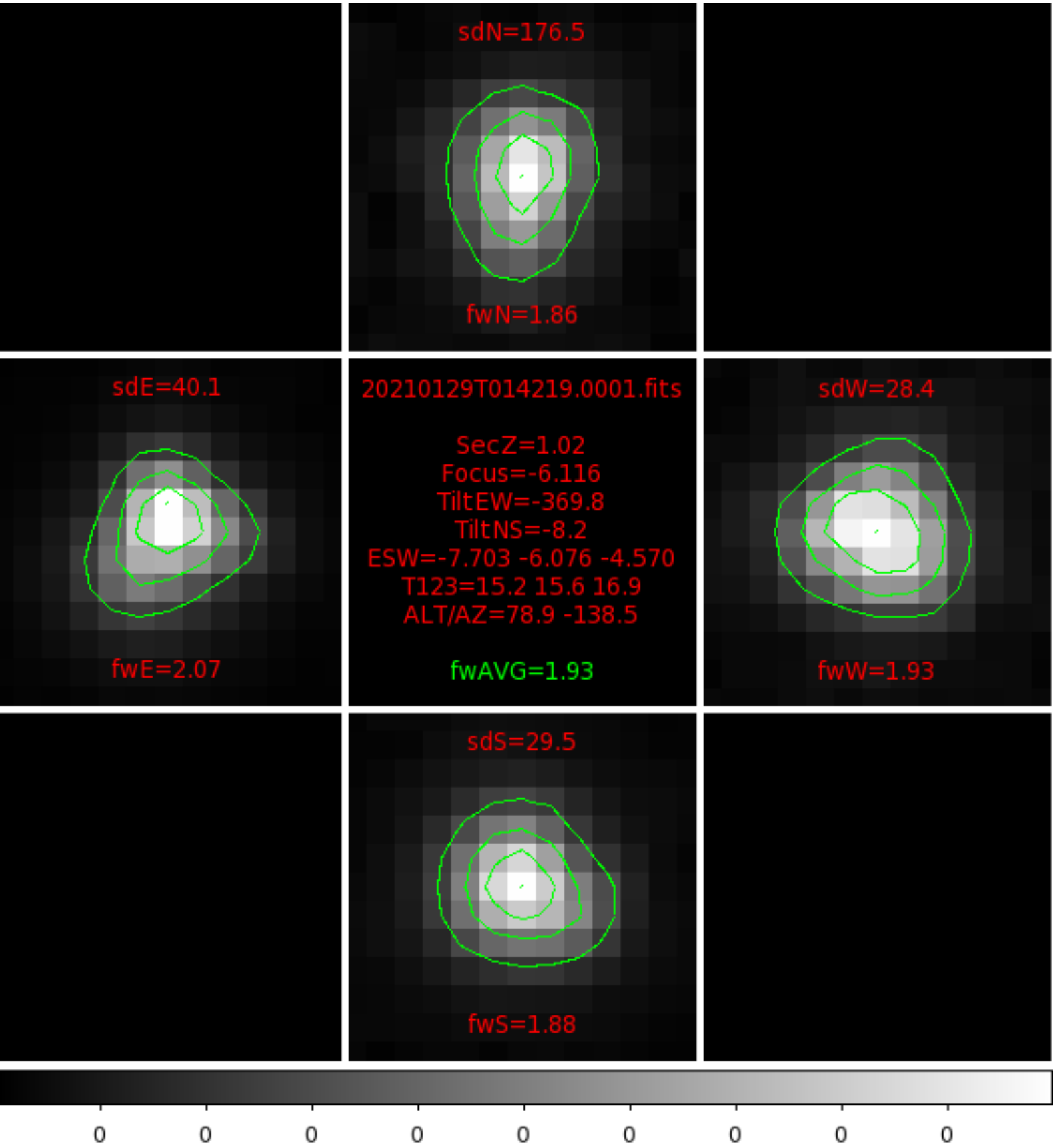
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.703 -6.076 -4.570
T123=15.2 15.6 16.9
ALT/AZ=78.9 -138.5
fwAVG=1.93
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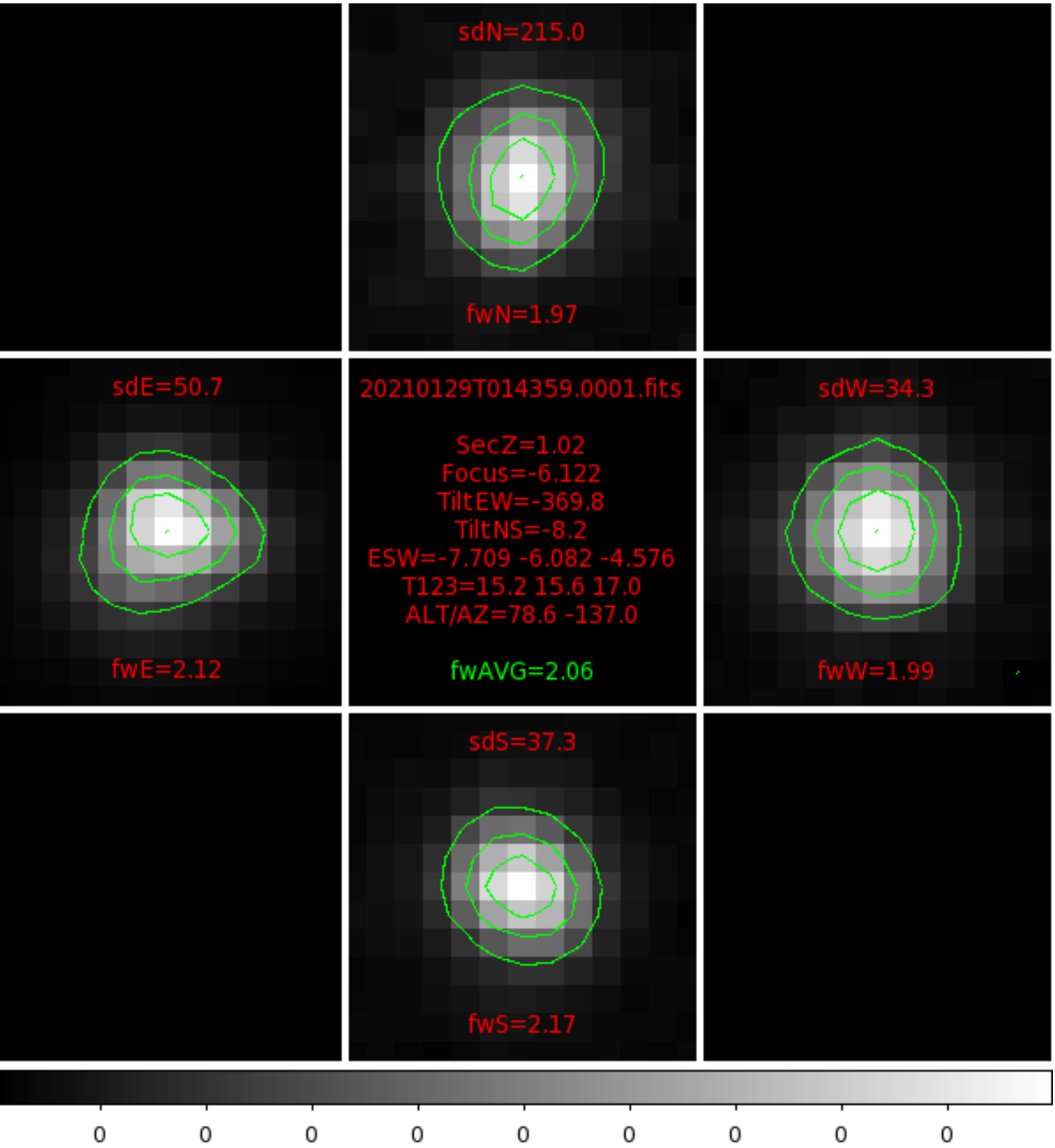
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SecZ=1.02
Focus=-6.122
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.709 -6.082 -4.576
T123=15.2 15.6 17.0
ALT/AZ=78.6 -137.0
fwAVG=2.06
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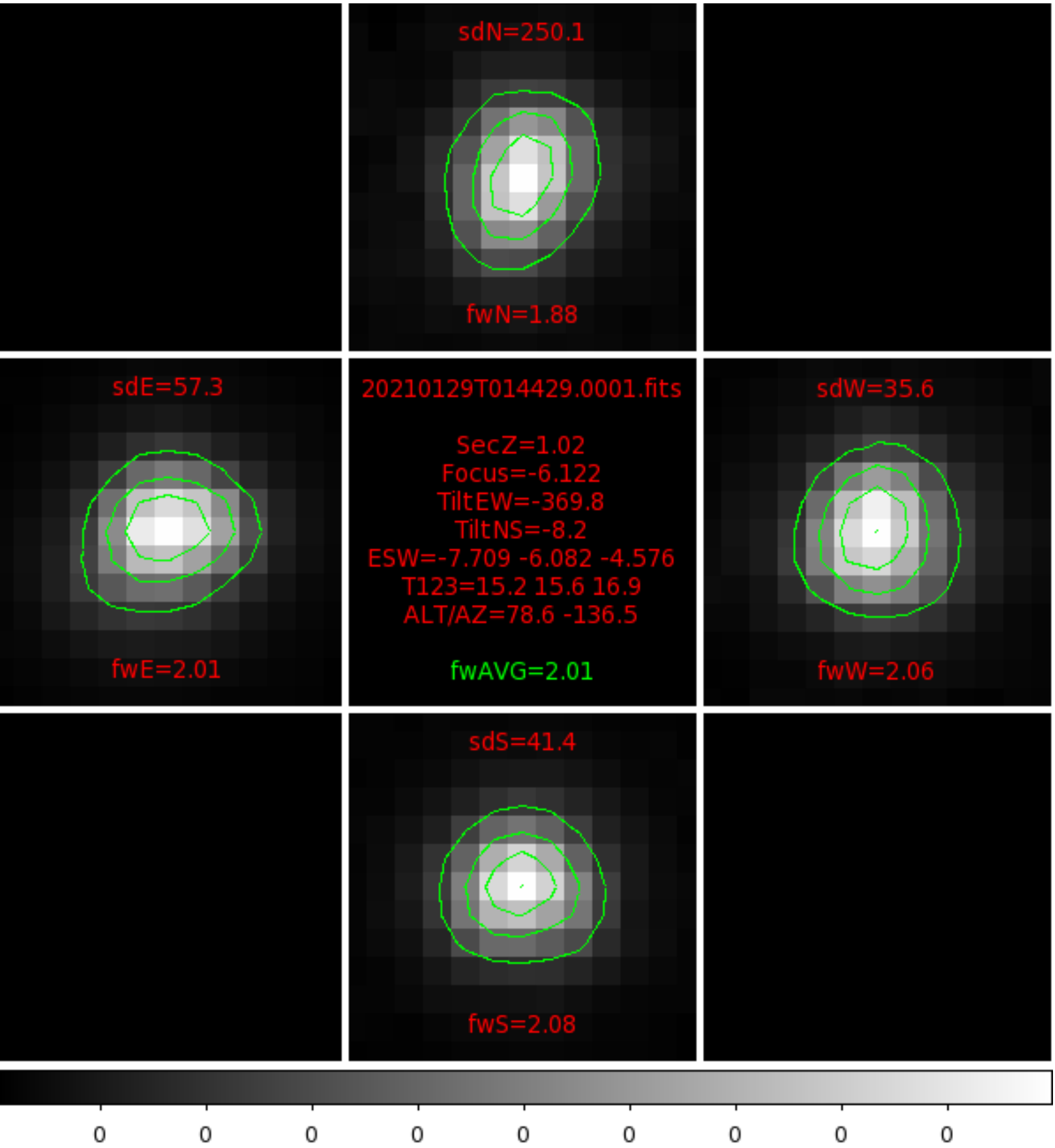
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sdE=57.3
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SecZ=1.02
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TiltNS=-8.2
ESW=-7.709 -6.082 -4.576
T123=15.2 15.6 16.9
ALT/AZ=78.6 -136.5
fwAVG=2.01
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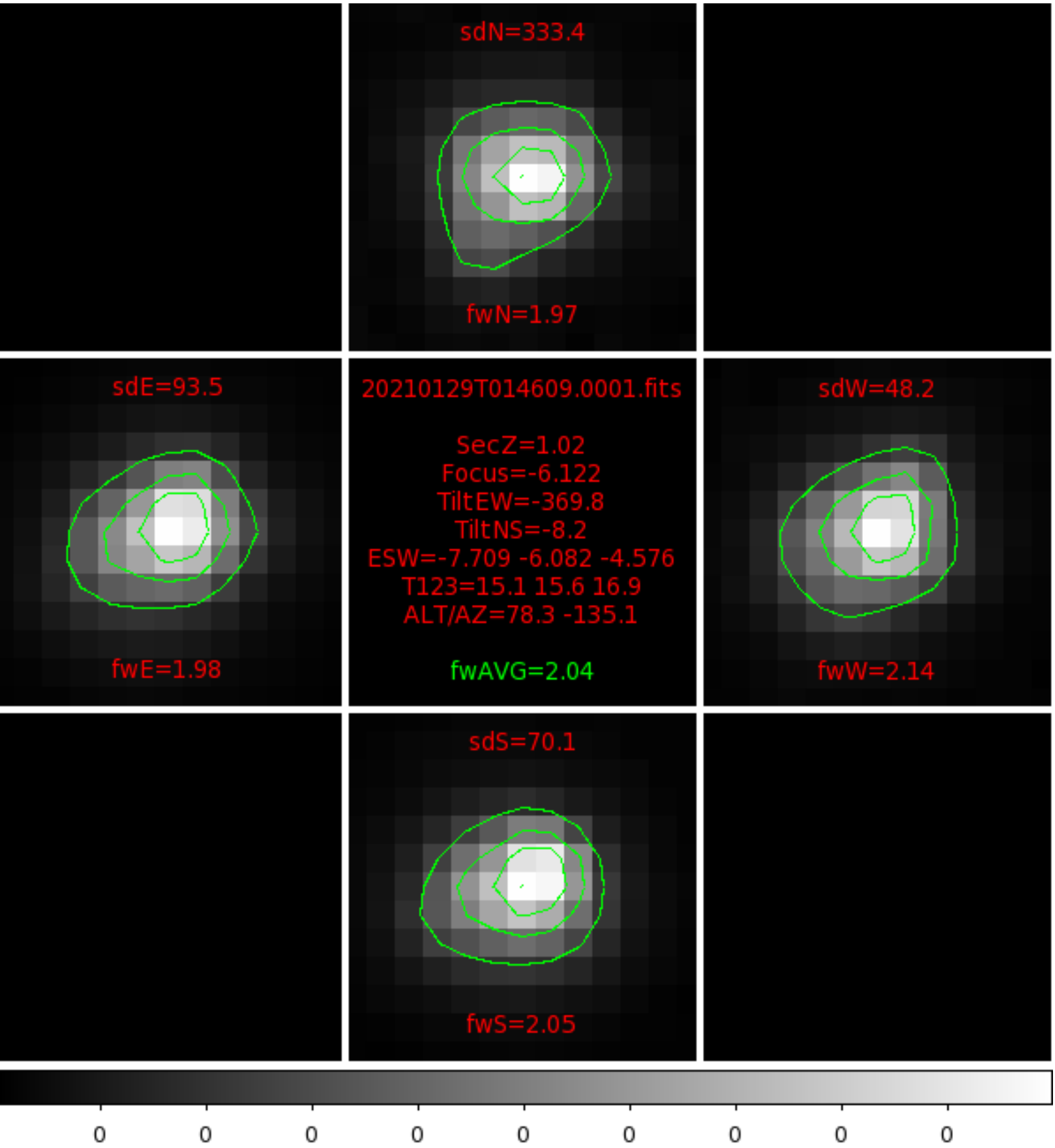
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SecZ=1.02
Focus=-6.122
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.709 -6.082 -4.576
T123=15.1 15.6 16.9
ALT/AZ=78.3 -135.1
fwAVG=2.04
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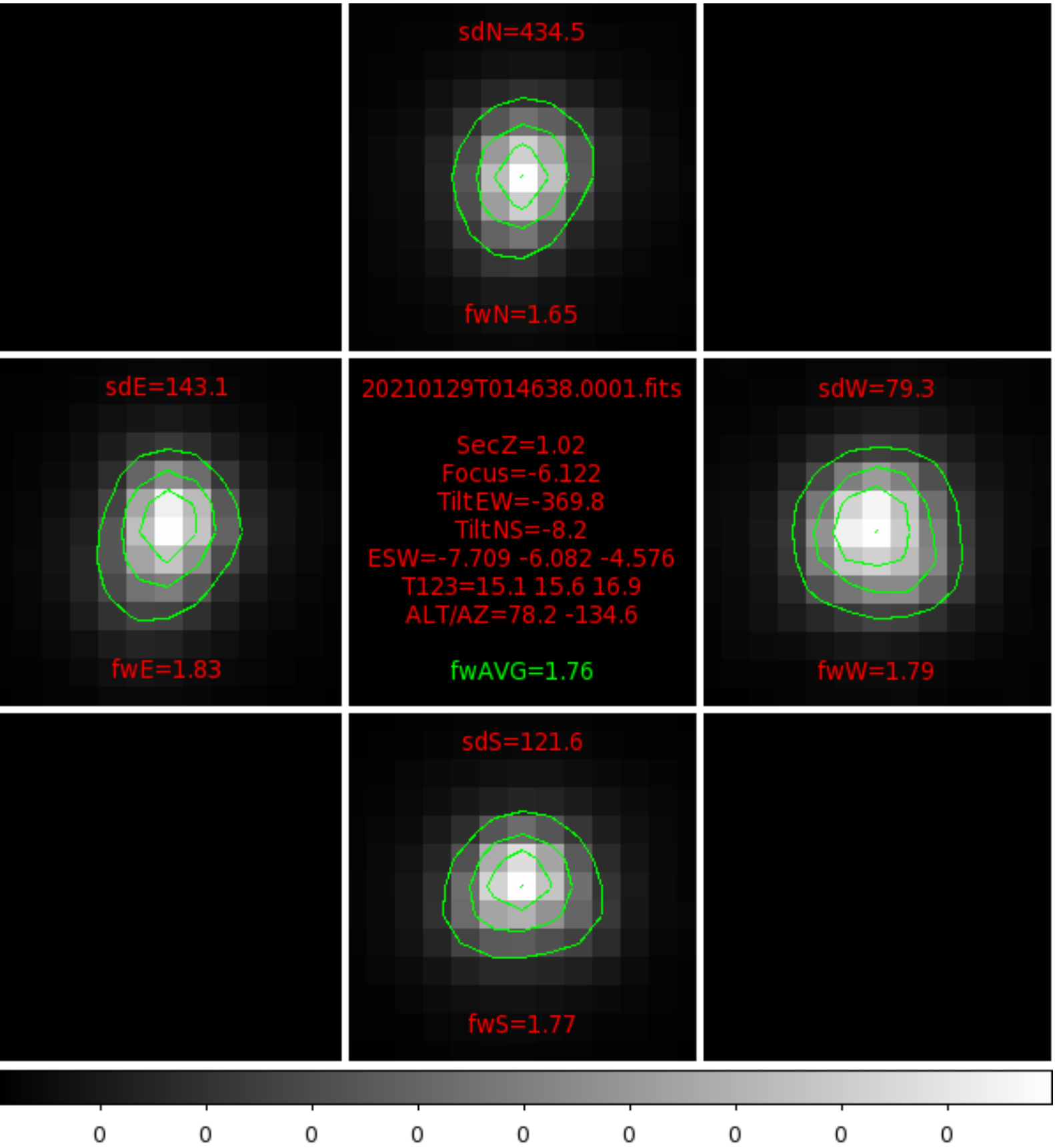
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SecZ=1.02
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.709 -6.082 -4.576
T123=15.1 15.6 16.9
ALT/AZ=78.2 -134.6
fwAVG=1.76
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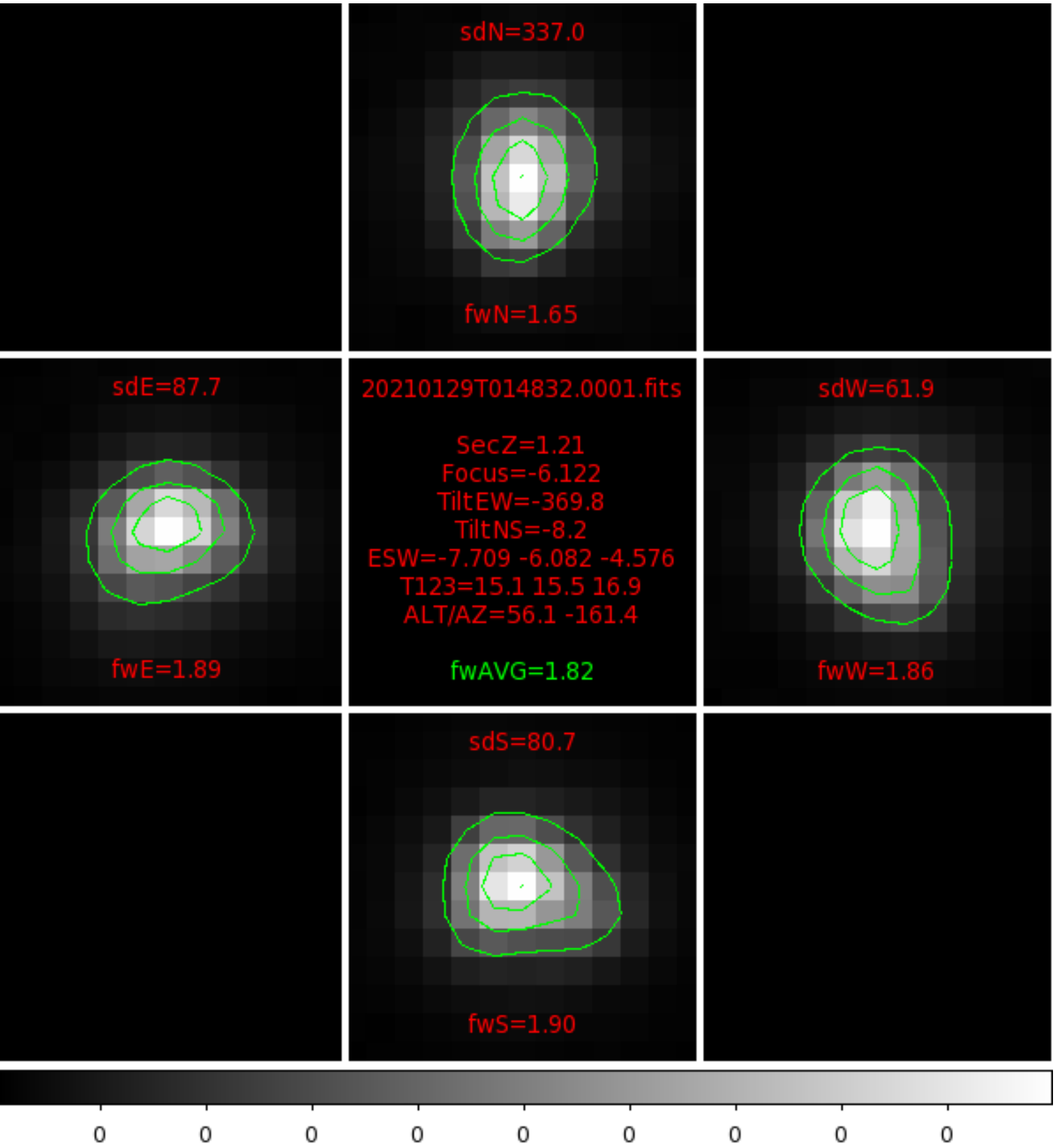
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sdE=87.7
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SecZ=1.21
Focus=-6.122
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.709 -6.082 -4.576
T123=15.1 15.5 16.9
ALT/AZ=56.1 -161.4
fwAVG=1.82
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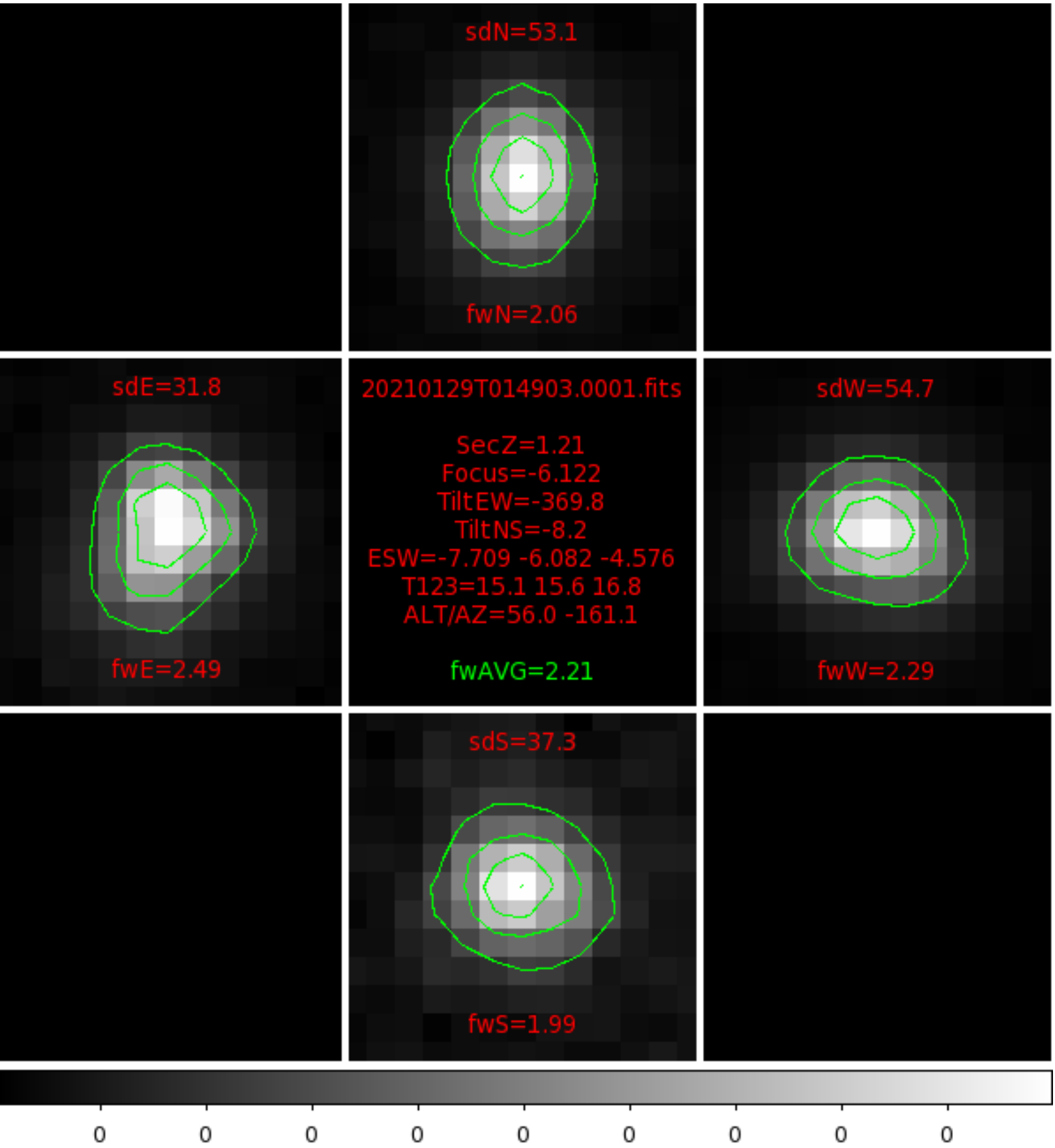
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fwE=2.49
20210129T014903.0001.fits
SecZ=1.21
Focus=-6.122
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.709 -6.082 -4.576
T123=15.1 15.6 16.8
ALT/AZ=56.0 -161.1
fwAVG=2.21
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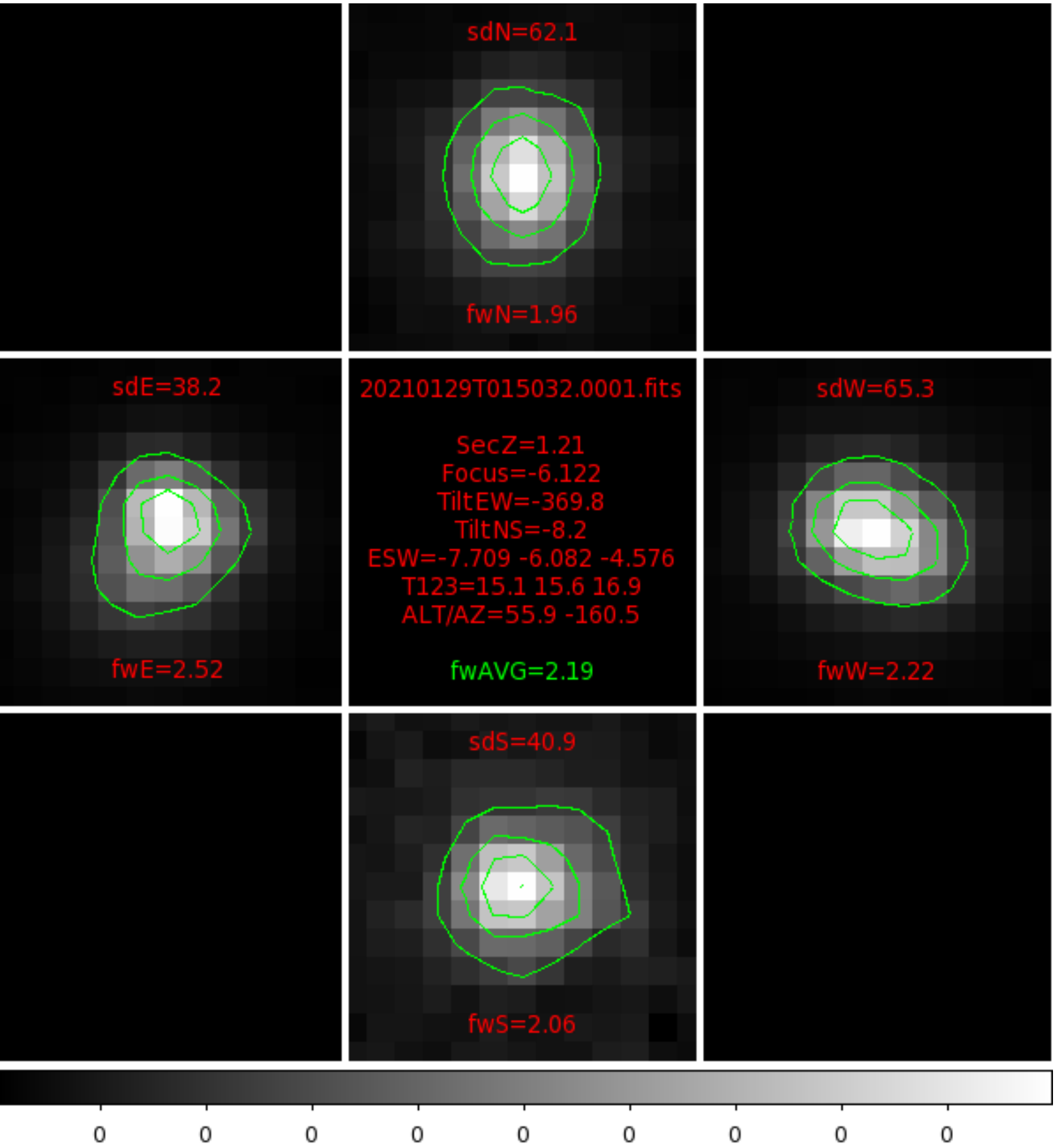
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SecZ=1.21
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TiltNS=-8.2
ESW=-7.709 -6.082 -4.576
T123=15.1 15.6 16.9
ALT/AZ=55.9 -160.5
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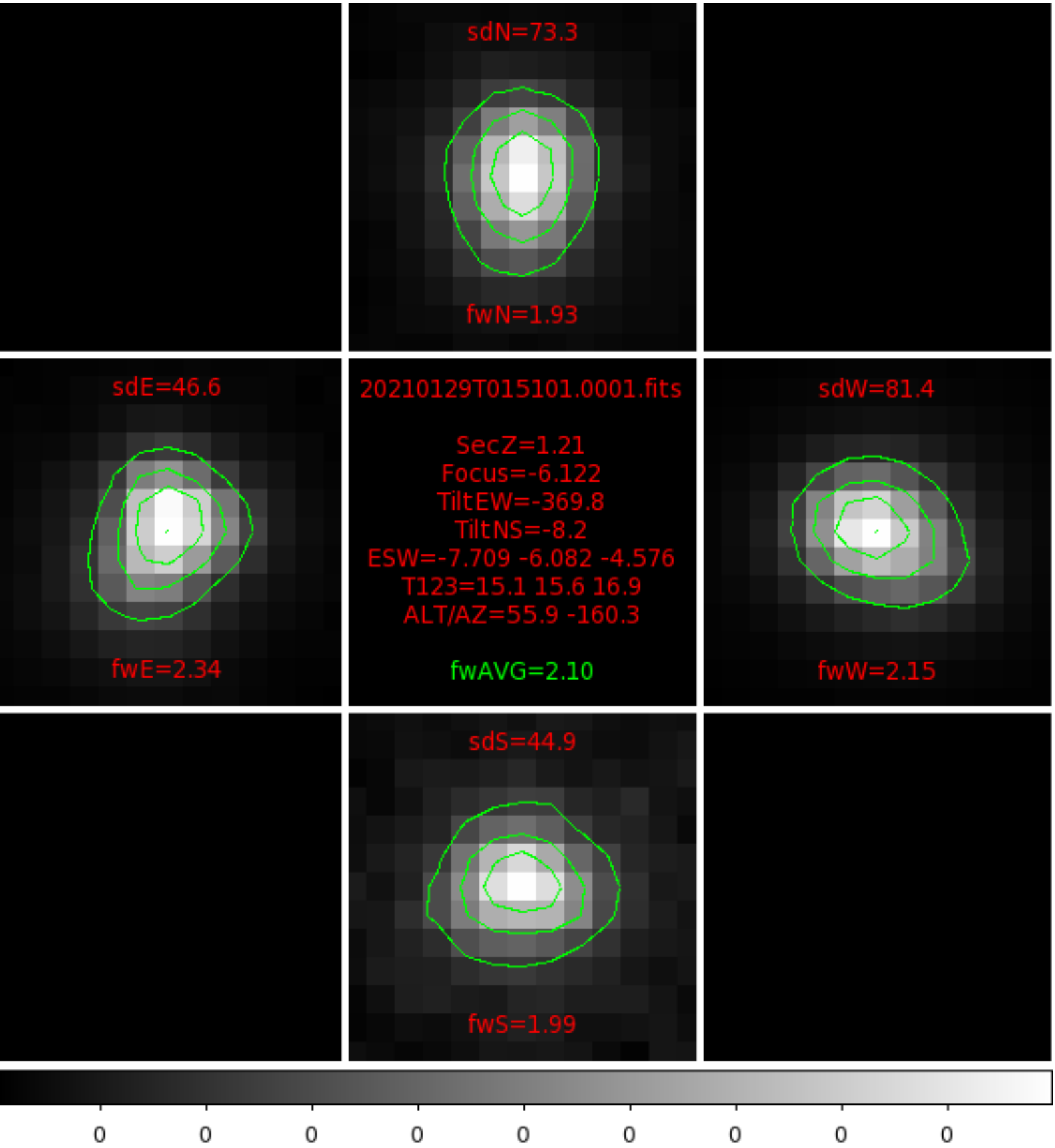
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SecZ=1.21
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ESW=-7.709 -6.082 -4.576
T123=15.1 15.6 16.9
ALT/AZ=55.9 -160.3
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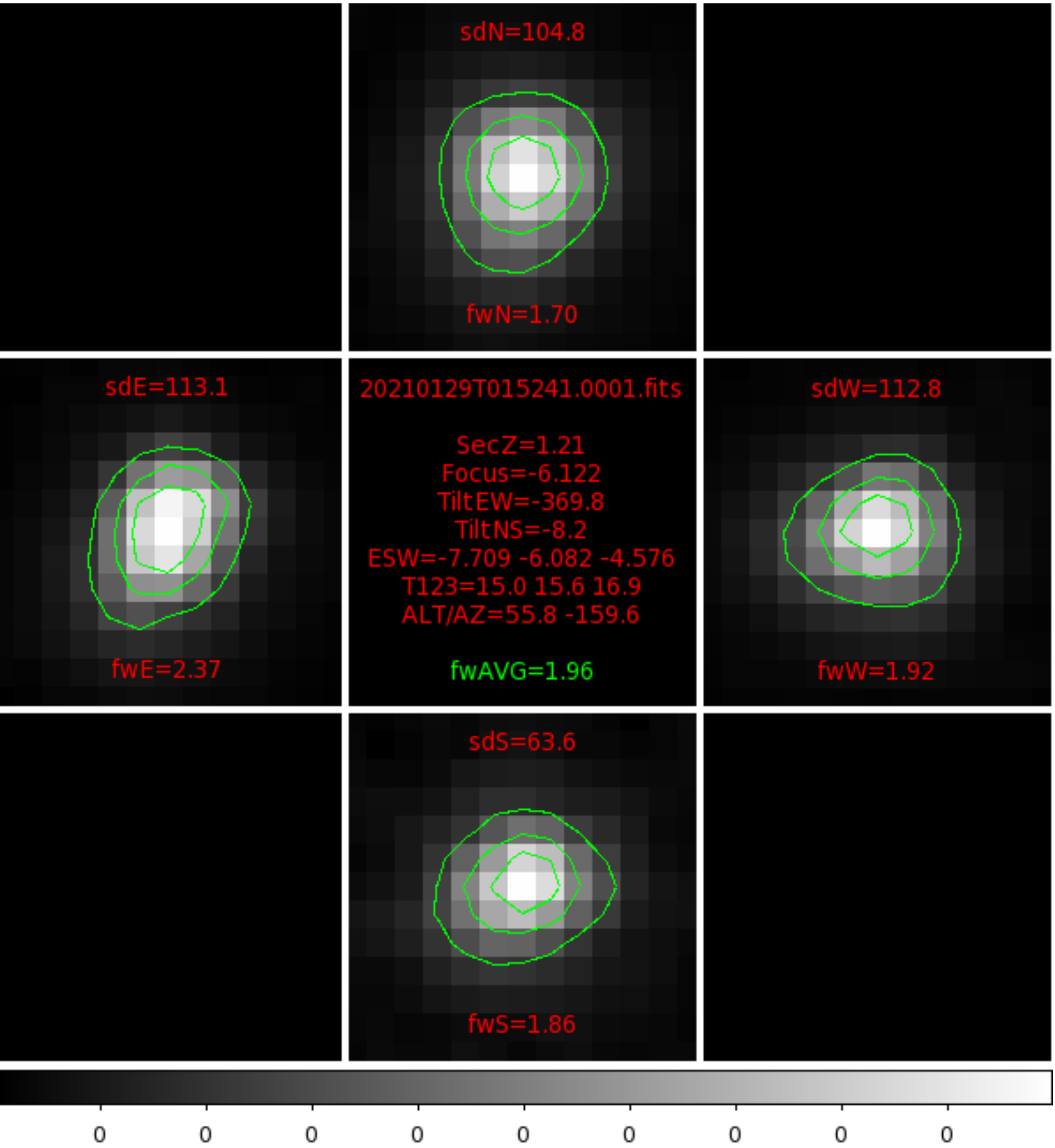
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SecZ=1.21
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.709 -6.082 -4.576
T123=15.0 15.6 16.9
ALT/AZ=55.8 -159.6
fwAVG=1.96
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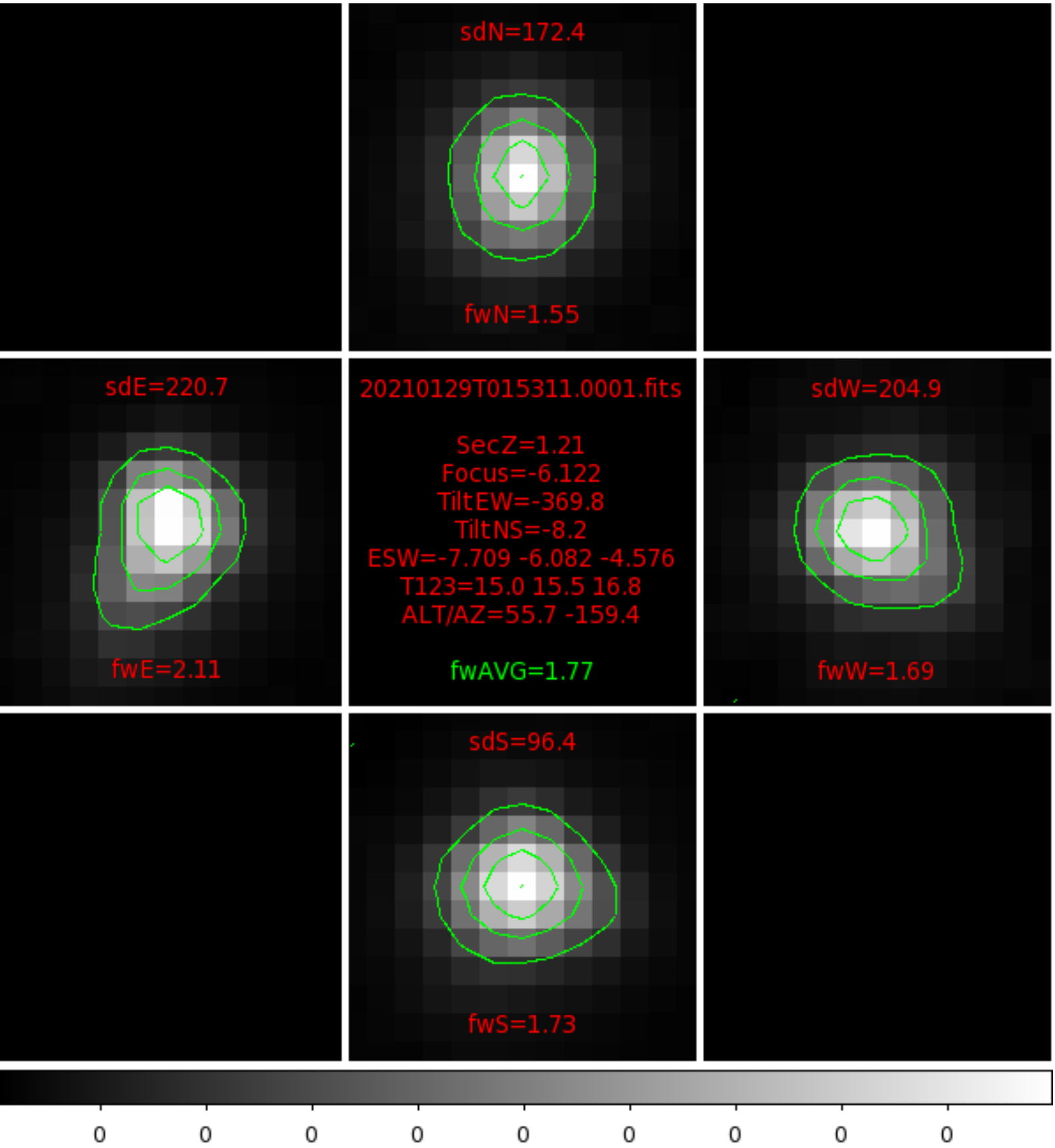
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SecZ=1.21
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.709 -6.082 -4.576
T123=15.0 15.5 16.8
ALT/AZ=55.7 -159.4
fwAVG=1.77
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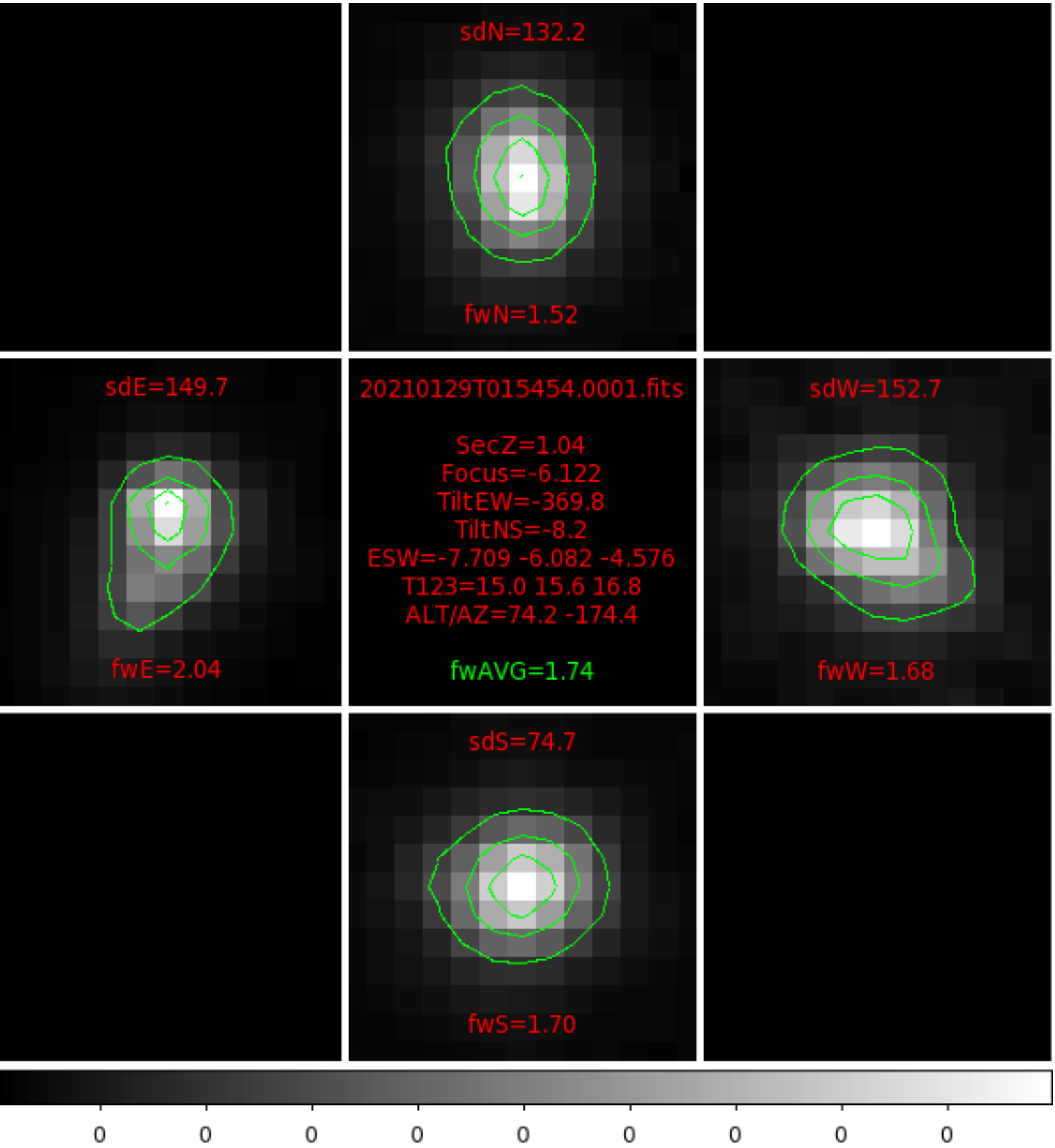
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SecZ=1.04
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.709 -6.082 -4.576
T123=15.0 15.6 16.8
ALT/AZ=74.2 -174.4
fwAVG=1.74
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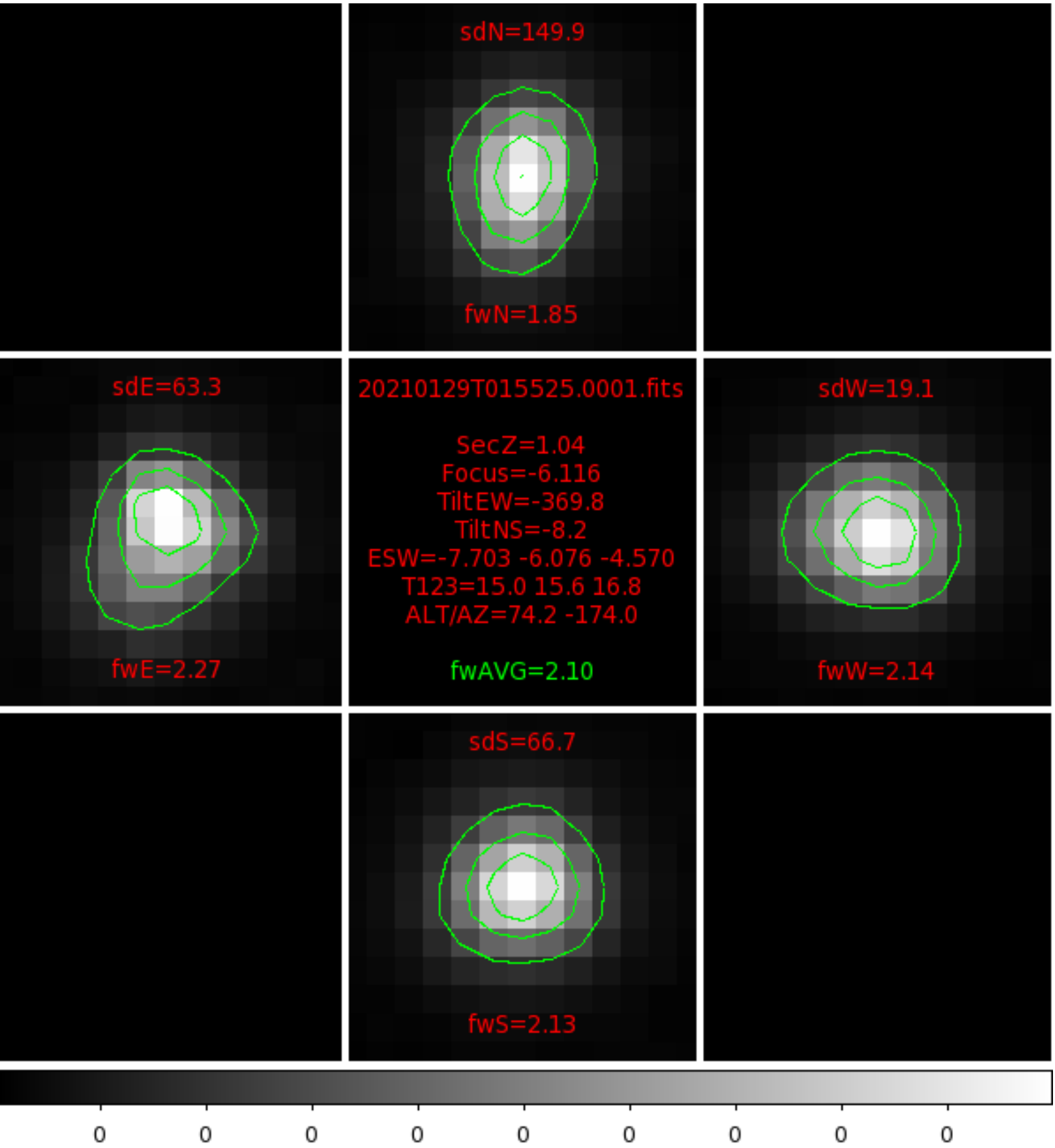
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.703 -6.076 -4.570
T123=15.0 15.6 16.8
ALT/AZ=74.2 -174.0
fwAVG=2.10
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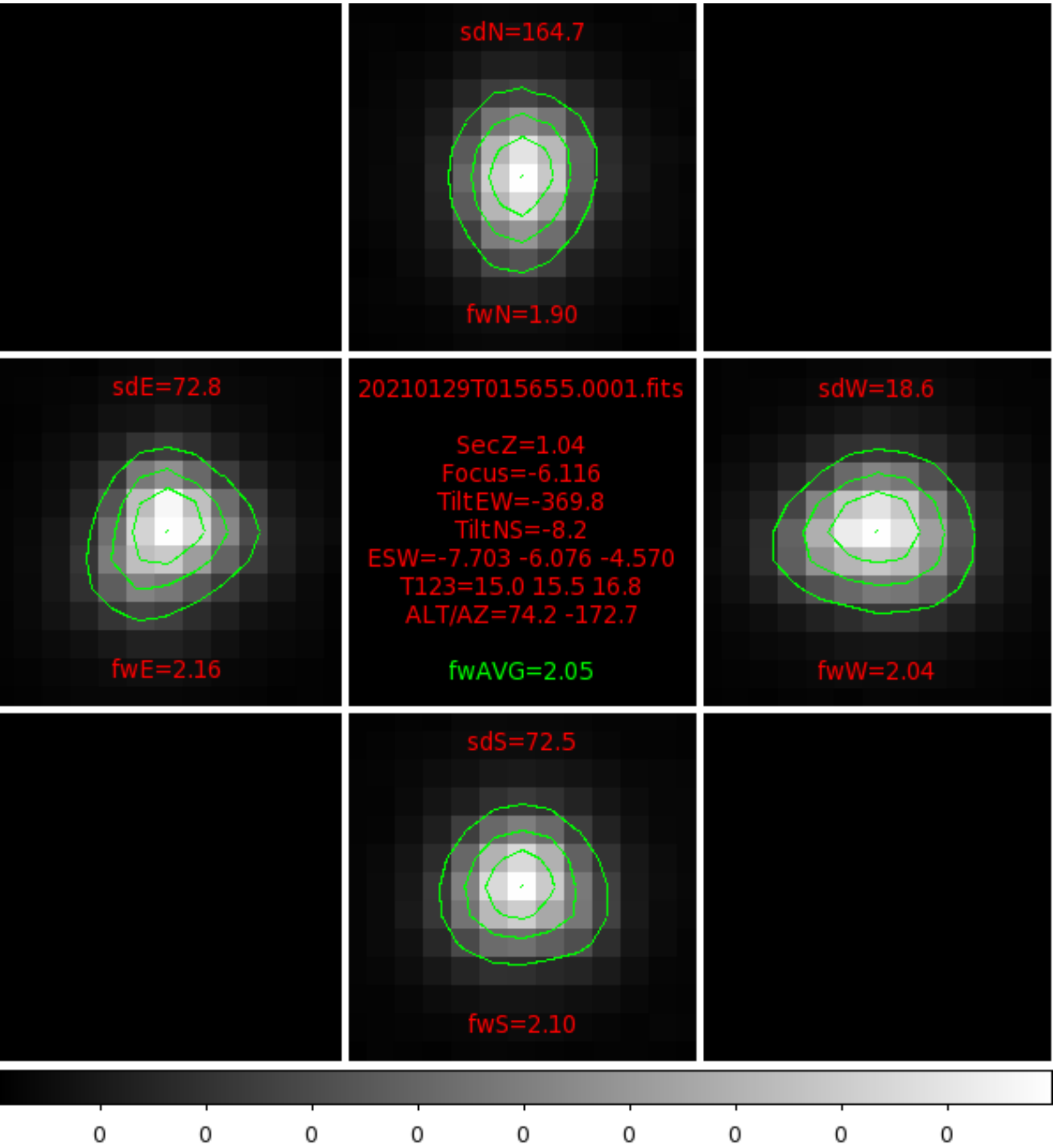
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SecZ=1.04
Focus=-6.116
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.703 -6.076 -4.570
T123=15.0 15.5 16.8
ALT/AZ=74.2 -172.7
fwAVG=2.05
sdW=18.6
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sdS=72.5
fwS=2.10
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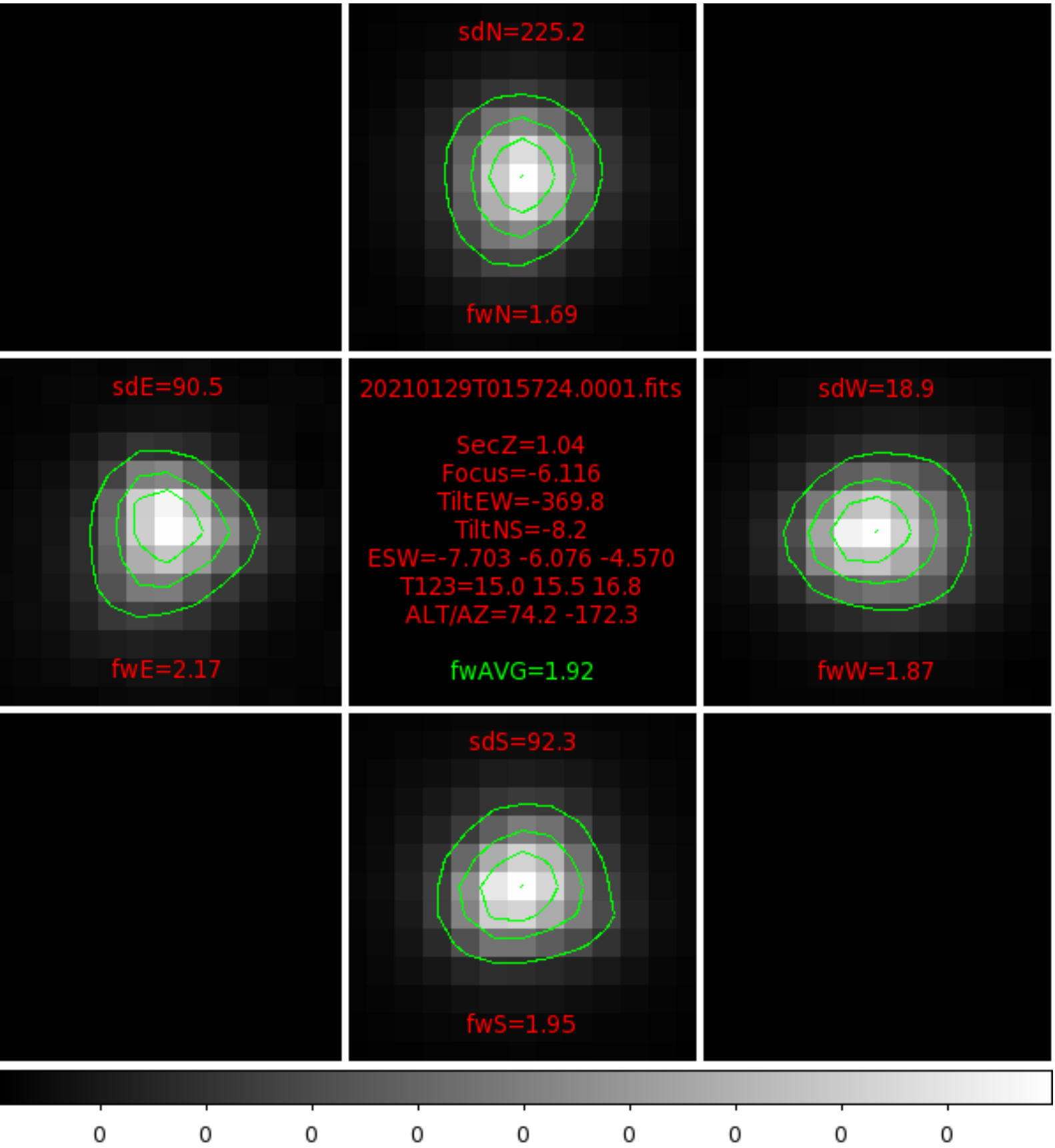
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.703 -6.076 -4.570
T123=15.0 15.5 16.8
ALT/AZ=74.2 -172.3
fwAVG=1.92
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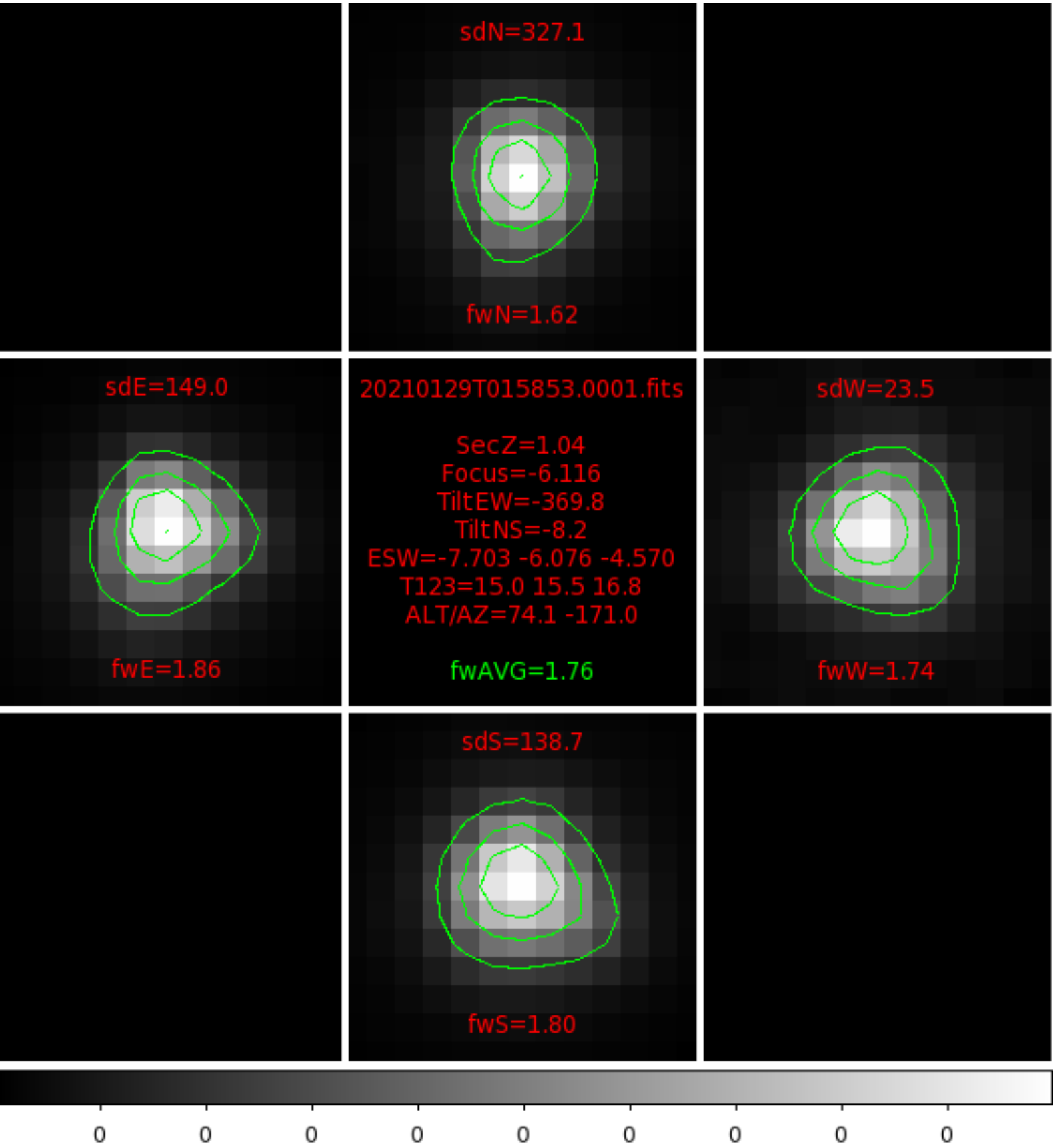
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sdE=149.0
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SecZ=1.04
Focus=-6.116
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.703 -6.076 -4.570
T123=15.0 15.5 16.8
ALT/AZ=74.1 -171.0
fwAVG=1.76
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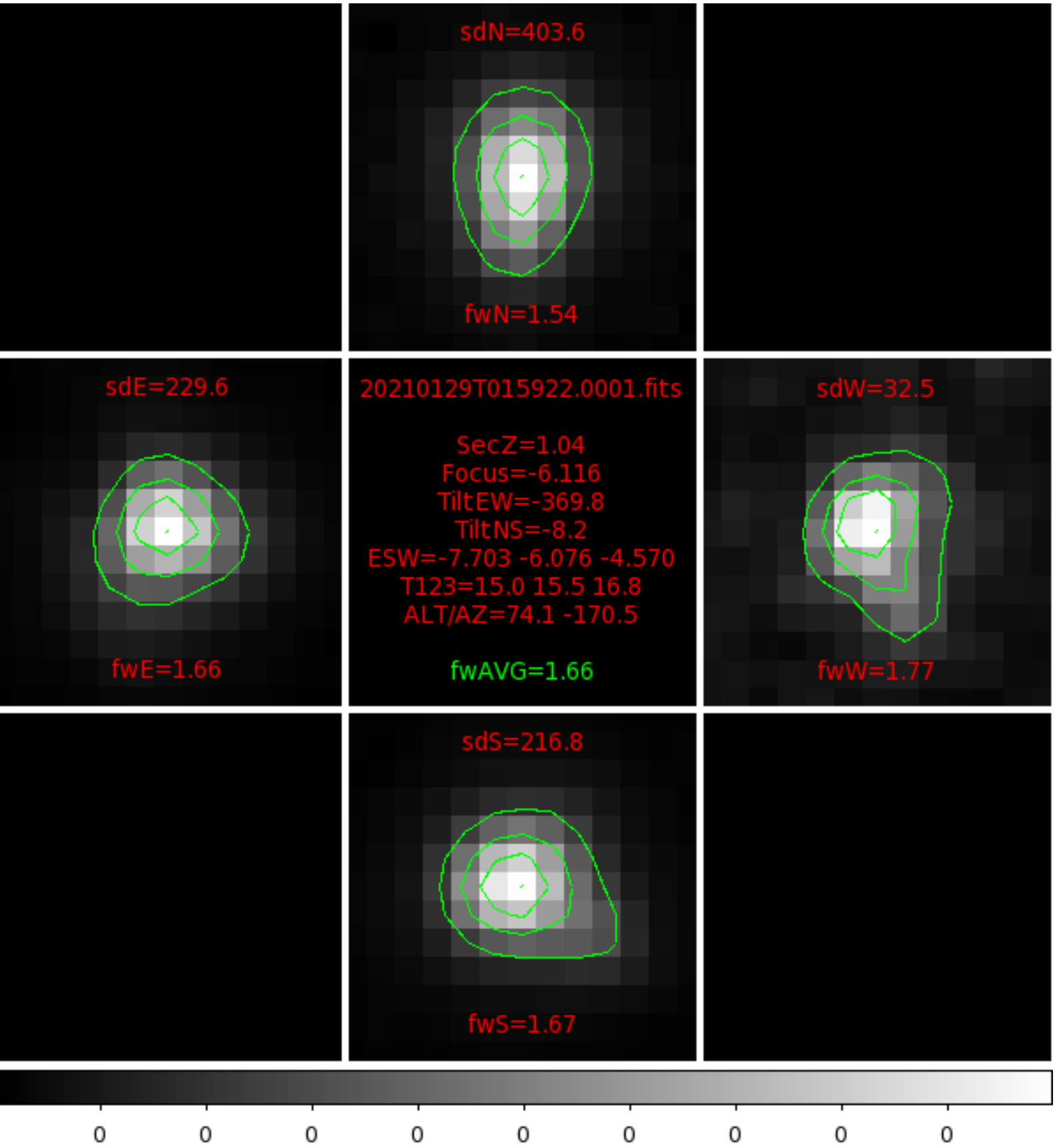
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SecZ=1.04
Focus=-6.116
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.703 -6.076 -4.570
T123=15.0 15.5 16.8
ALT/AZ=74.1 -170.5
fwAVG=1.66
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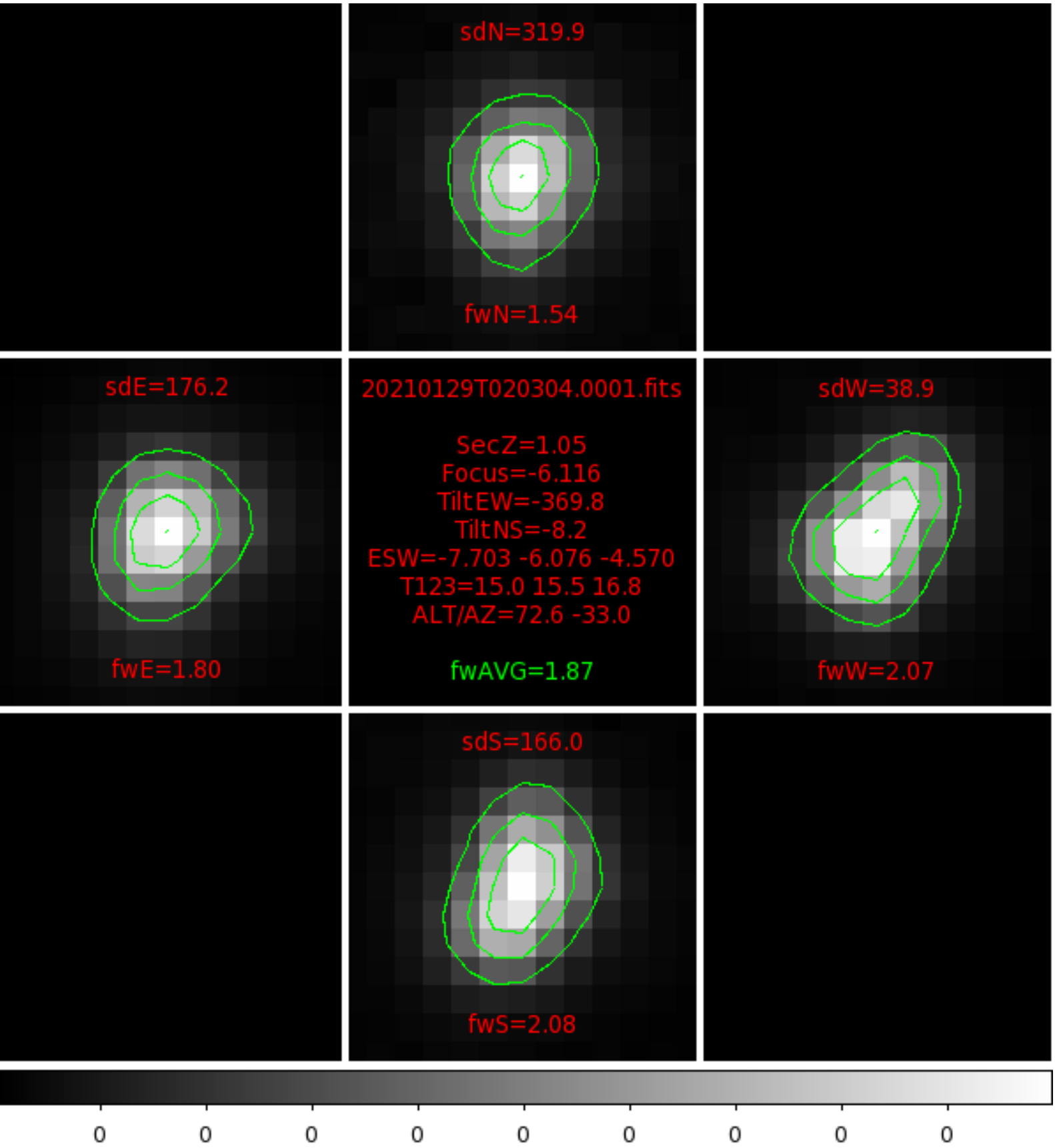
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fwE=1.80
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SecZ=1.05
Focus=-6.116
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.703 -6.076 -4.570
T123=15.0 15.5 16.8
ALT/AZ=72.6 -33.0
fwAVG=1.87
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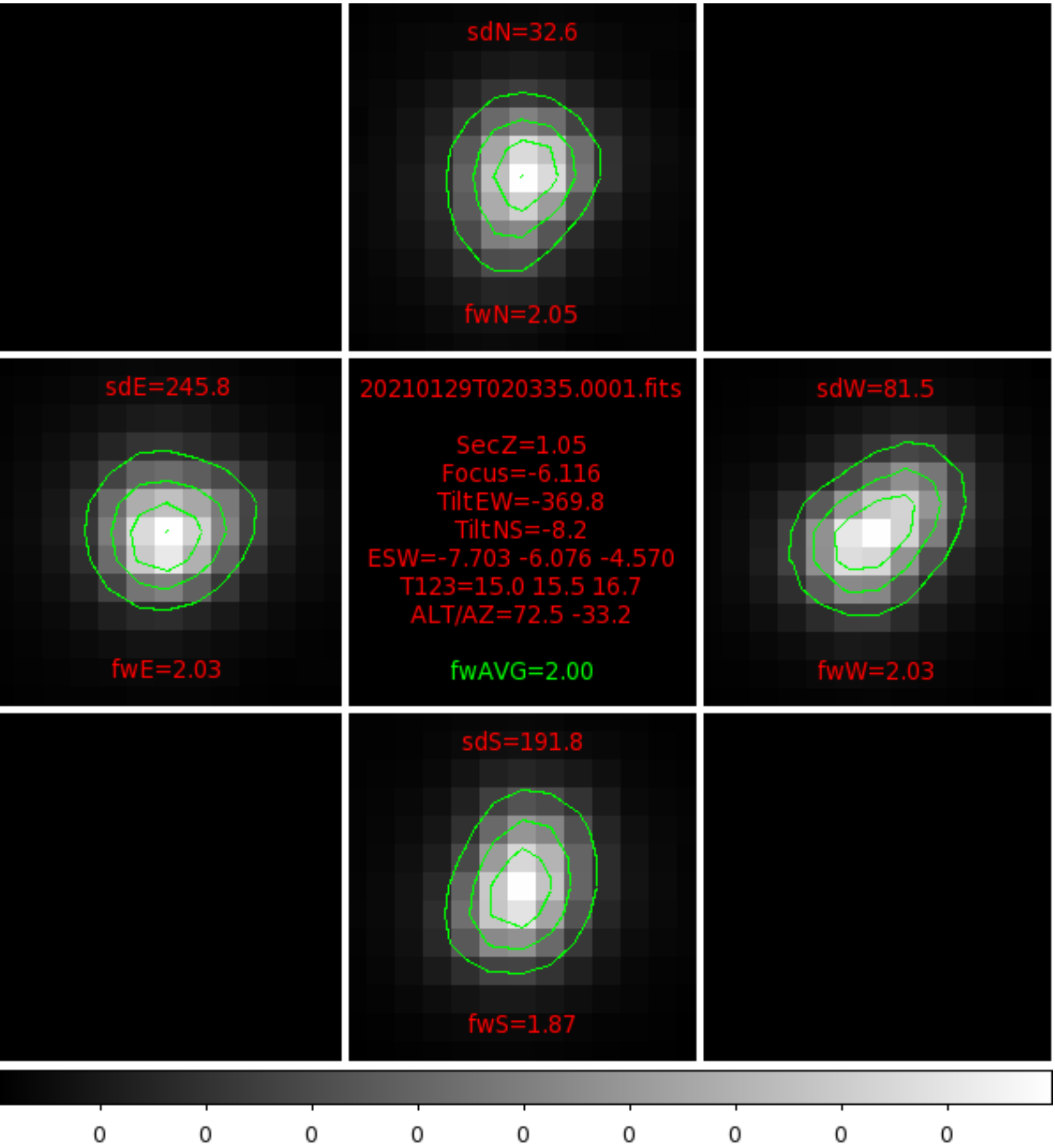
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SecZ=1.05
Focus=-6.116
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.703 -6.076 -4.570
T123=15.0 15.5 16.7
ALT/AZ=72.5 -33.2
fwAVG=2.00
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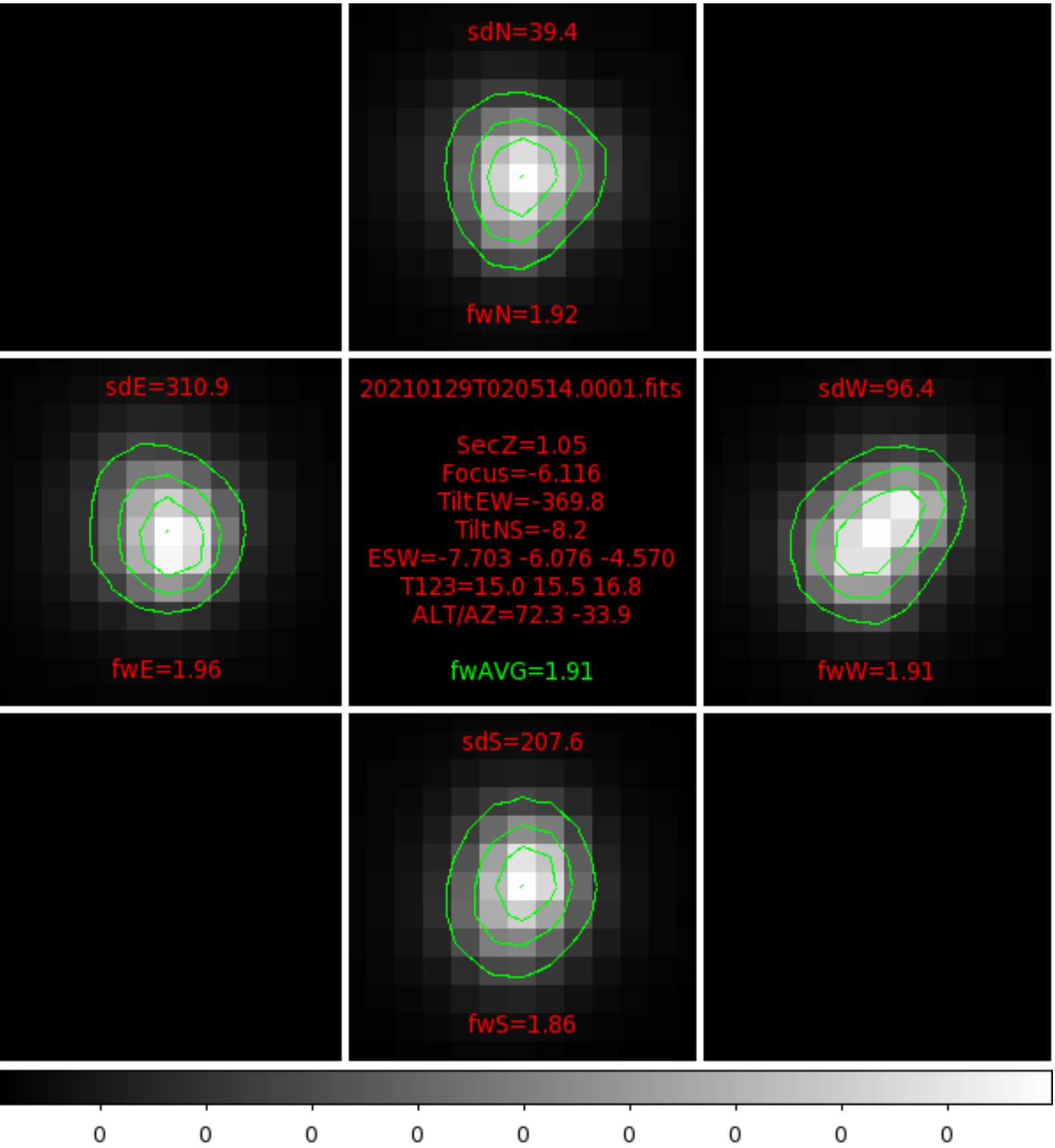
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sdE=310.9
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SecZ=1.05
Focus=-6.116
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.703 -6.076 -4.570
T123=15.0 15.5 16.8
ALT/AZ=72.3 -33.9
fwAVG=1.91
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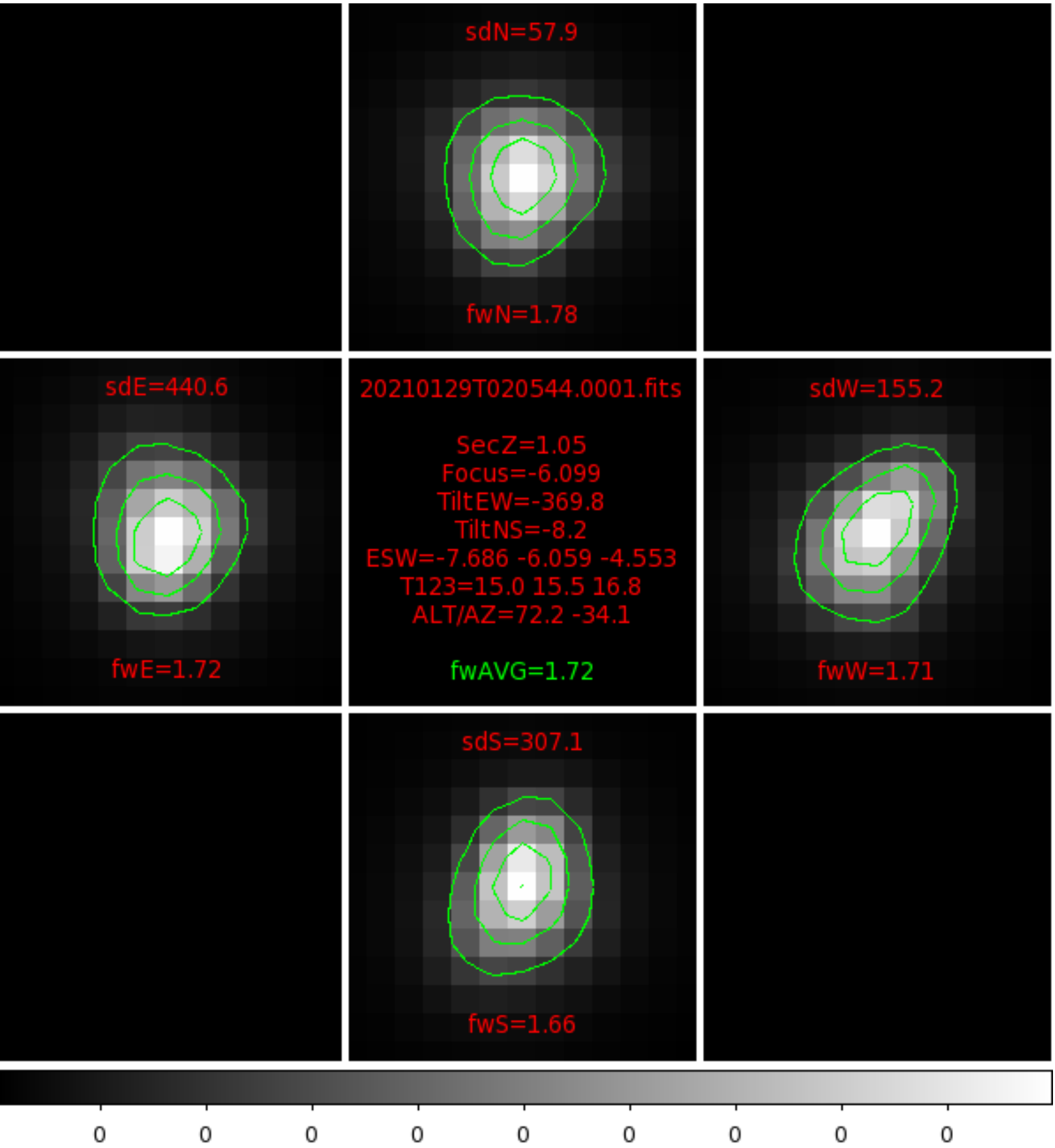
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sdE=440.6
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SecZ=1.05
Focus=-6.099
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.686 -6.059 -4.553
T123=15.0 15.5 16.8
ALT/AZ=72.2 -34.1
fwAVG=1.72
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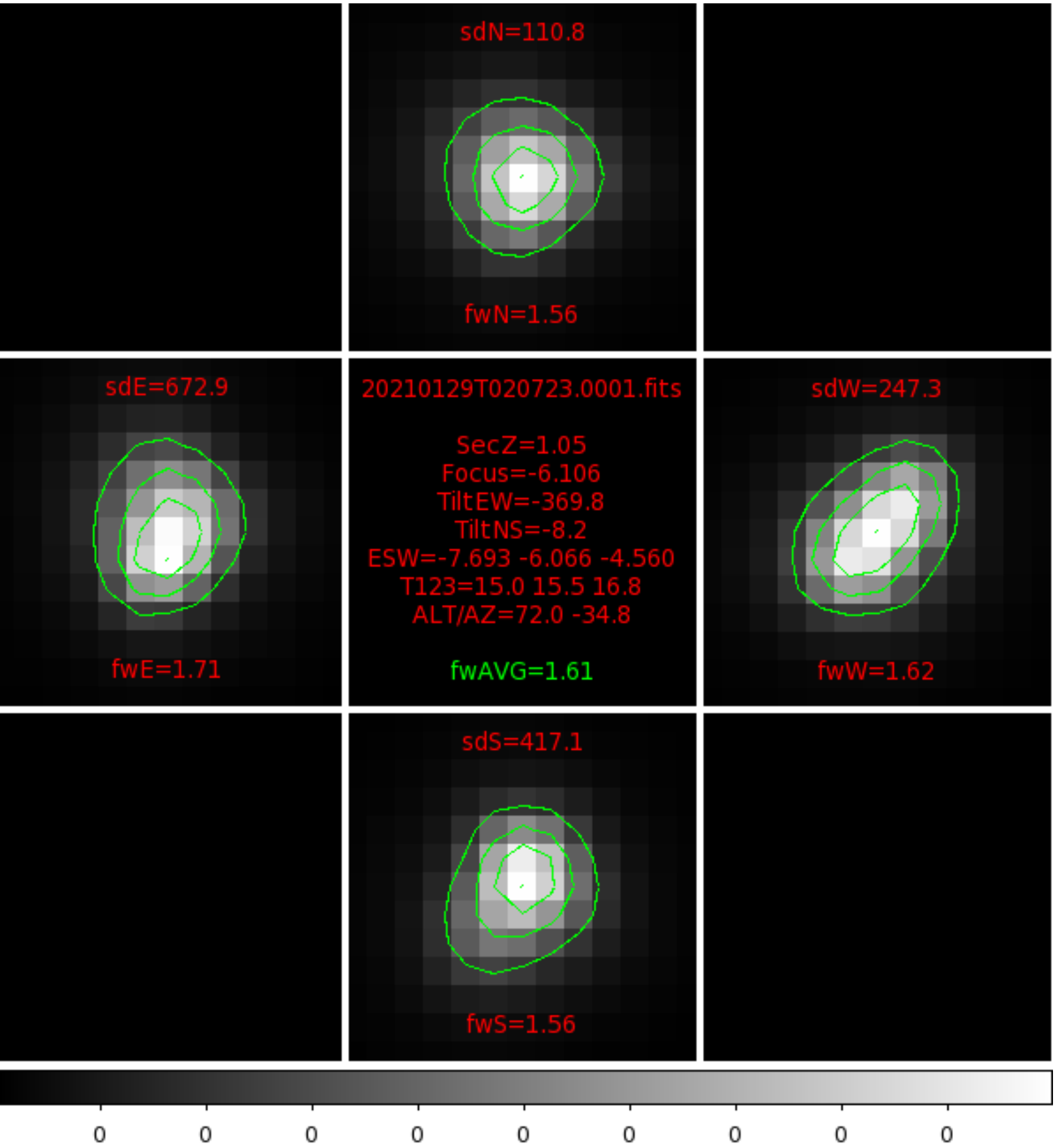
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SecZ=1.05
Focus=-6.106
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.693 -6.066 -4.560
T123=15.0 15.5 16.8
ALT/AZ=72.0 -34.8
fwAVG=1.61
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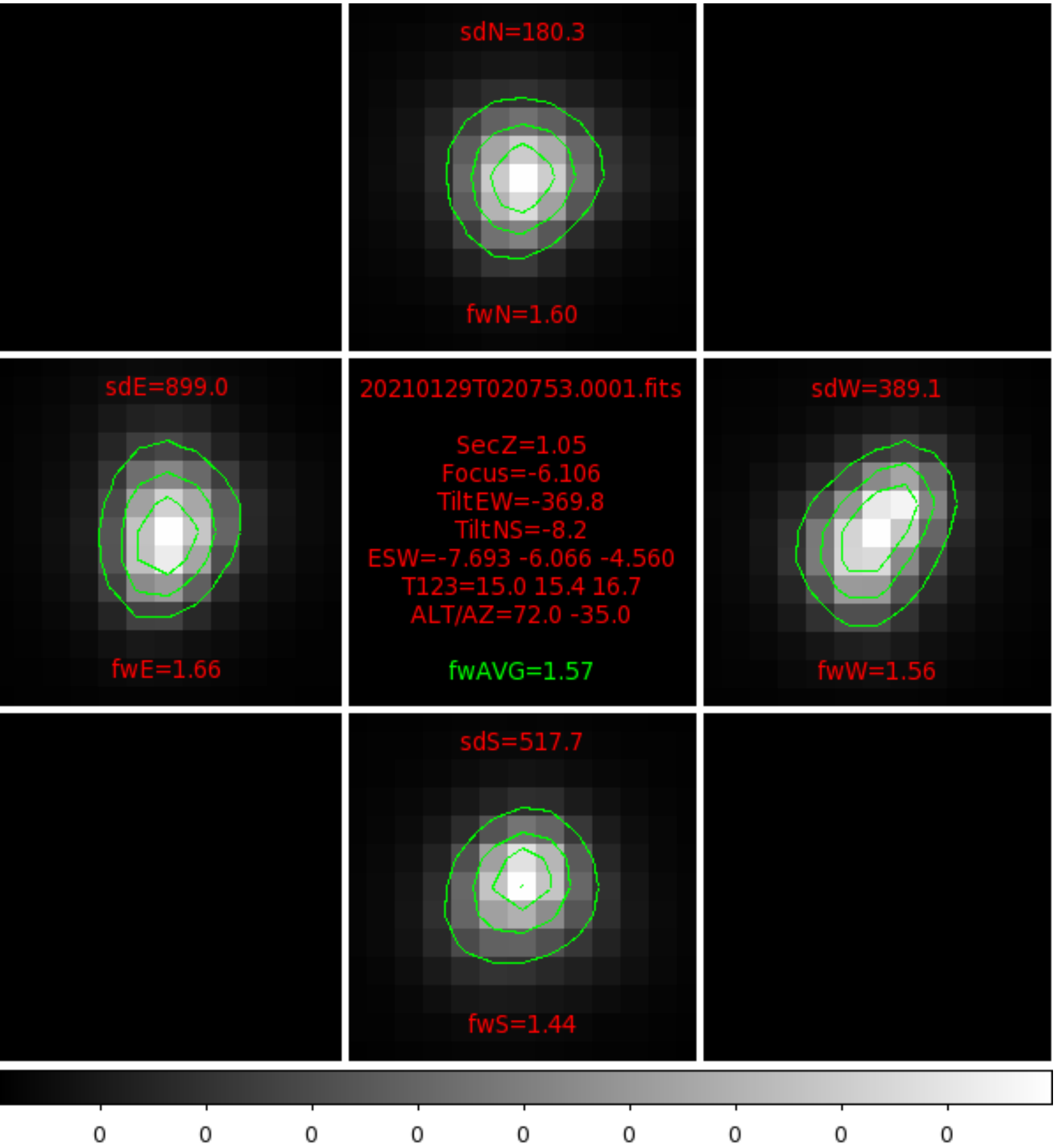
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SecZ=1.05
Focus=-6.106
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.693 -6.066 -4.560
T123=15.0 15.4 16.7
ALT/AZ=72.0 -35.0
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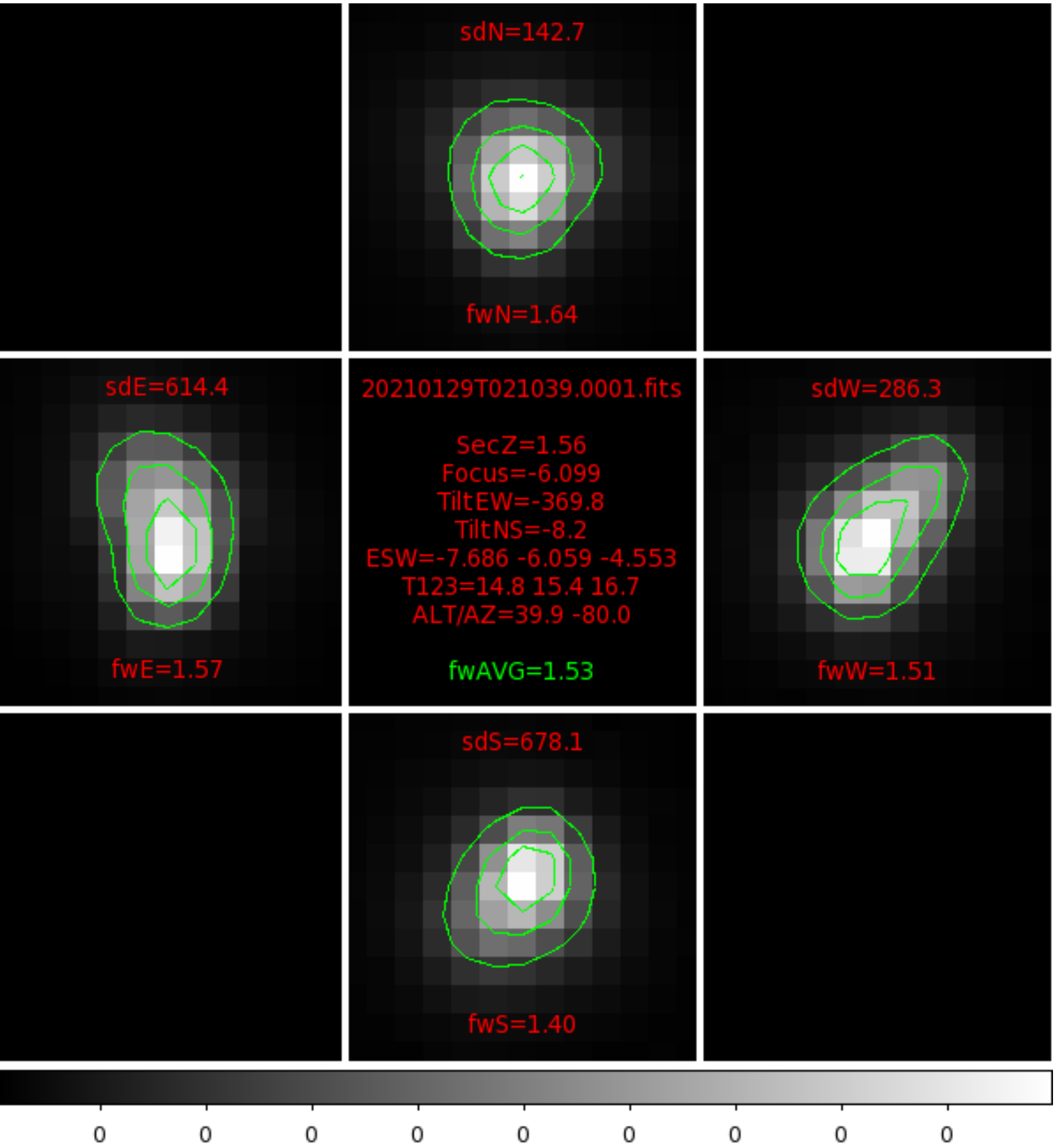
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.686 -6.059 -4.553
T123=14.8 15.4 16.7
ALT/AZ=39.9 -80.0
fwAVG=1.53
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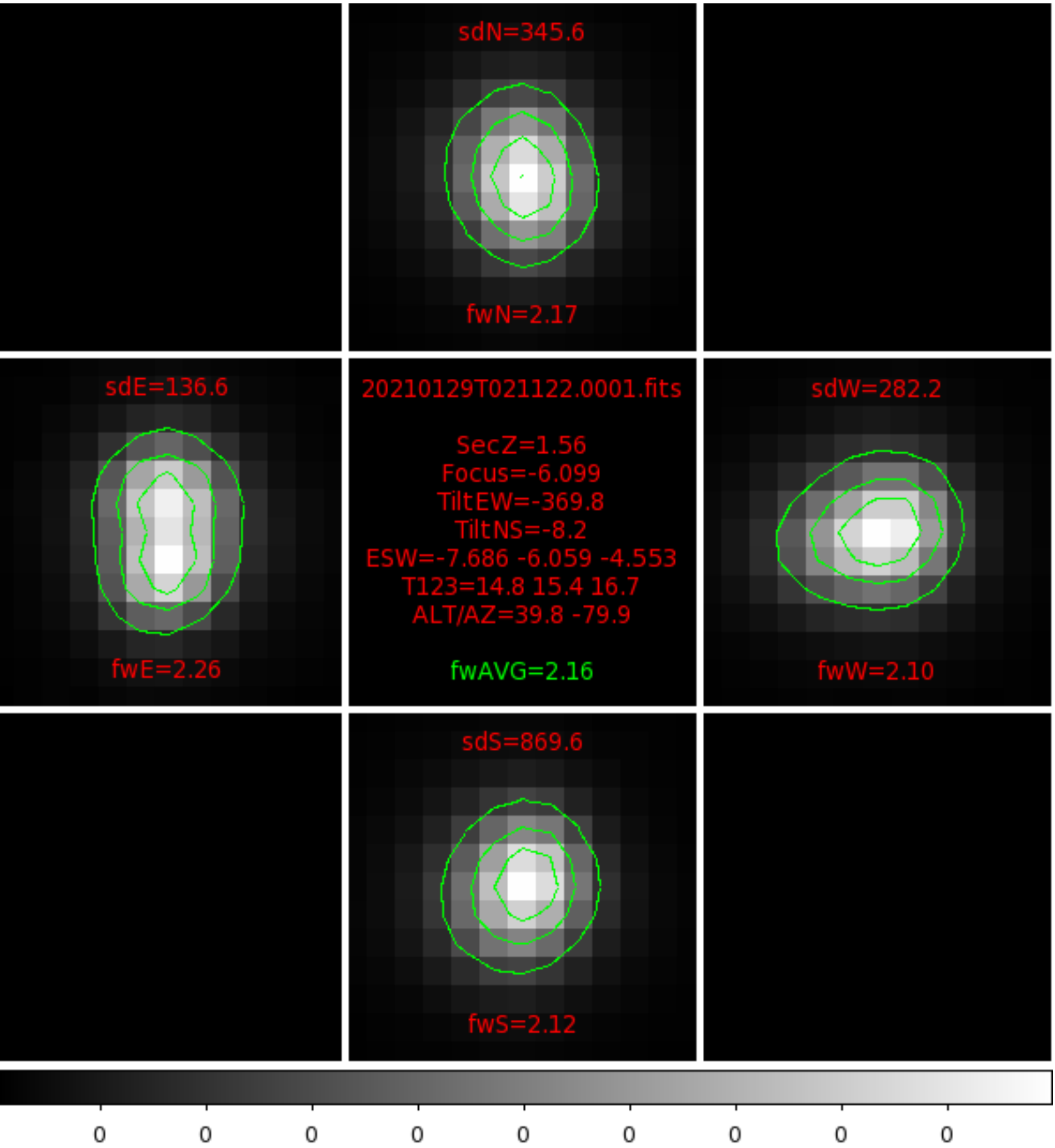
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SecZ=1.56
Focus=-6.099
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.686 -6.059 -4.553
T123=14.8 15.4 16.7
ALT/AZ=39.8 -79.9
fwAVG=2.16
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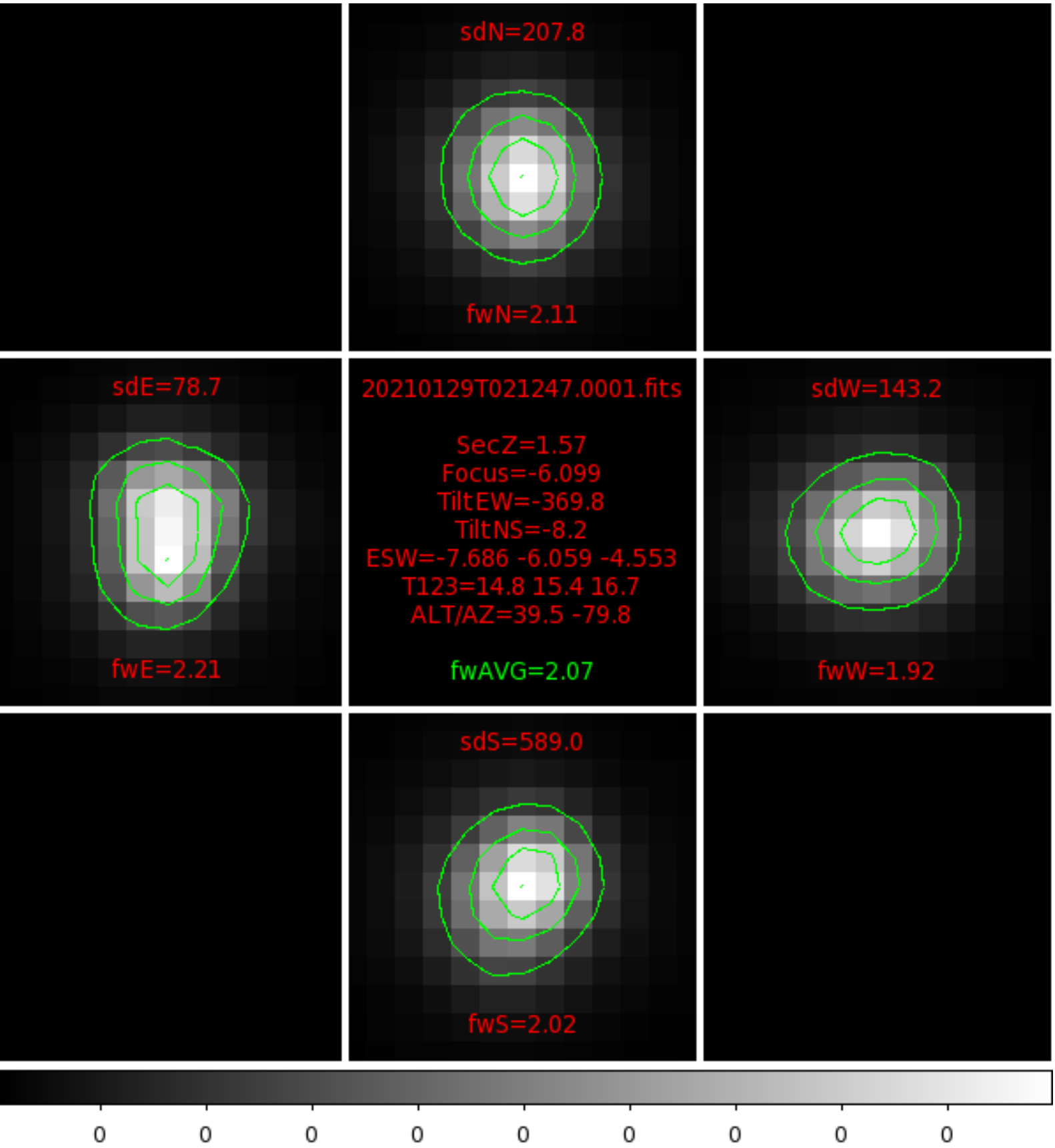
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SecZ=1.57
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.686 -6.059 -4.553
T123=14.8 15.4 16.7
ALT/AZ=39.5 -79.8
fwAVG=2.07
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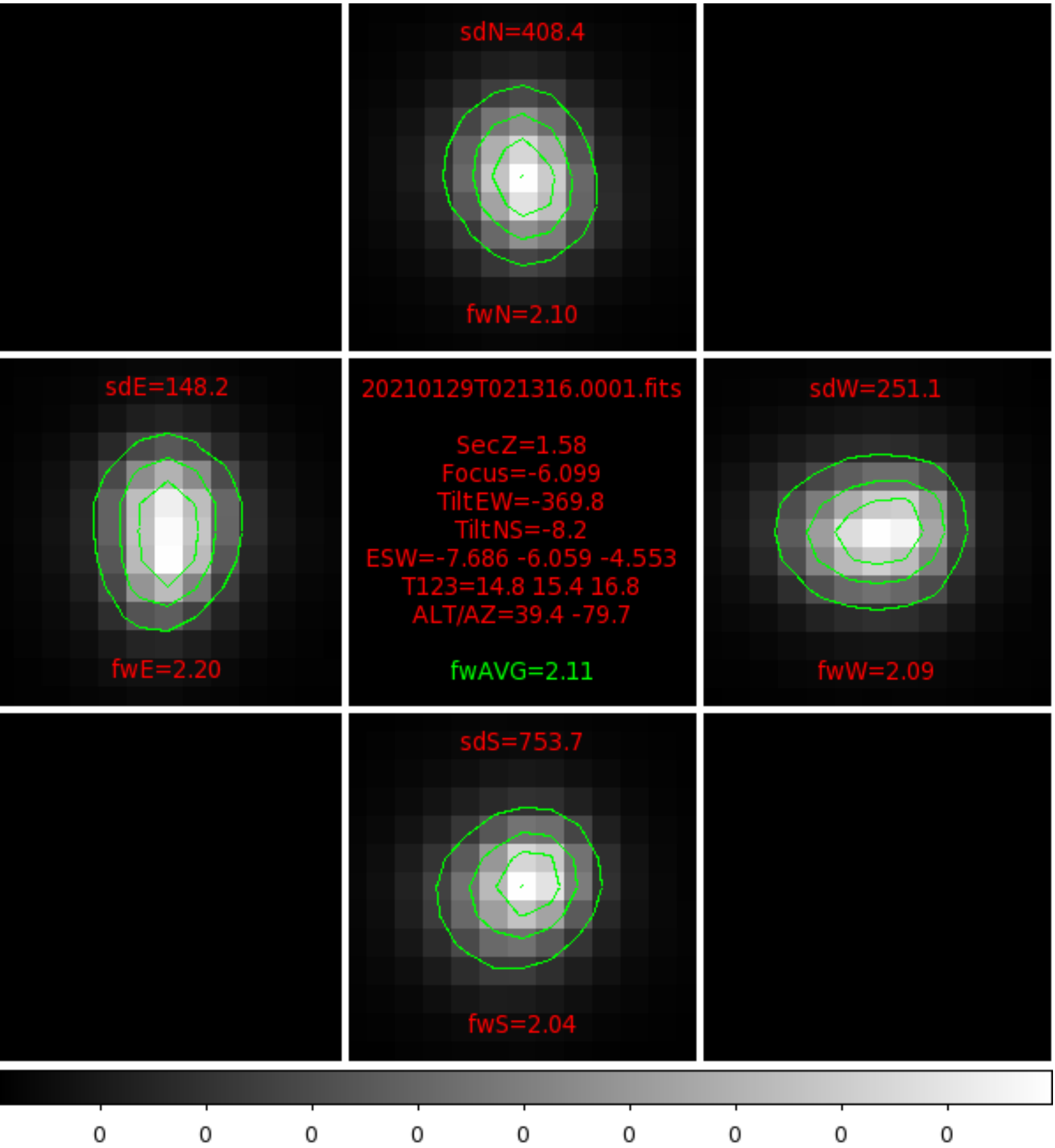
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SecZ=1.58
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TiltNS=-8.2
ESW=-7.686 -6.059 -4.553
T123=14.8 15.4 16.8
ALT/AZ=39.4 -79.7
fwAVG=2.11
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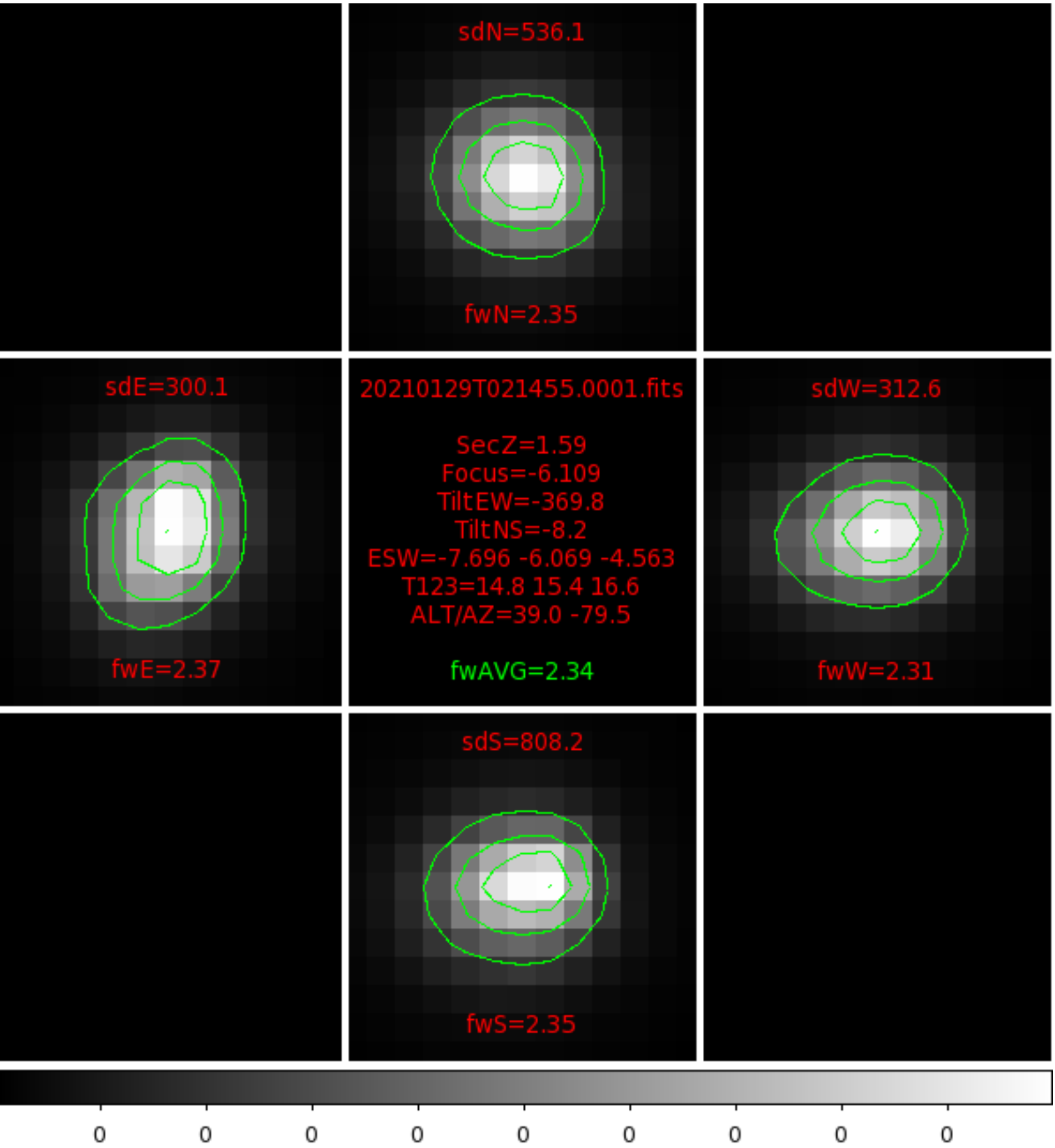
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TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=14.8 15.4 16.6
ALT/AZ=39.0 -79.5
fwAVG=2.34
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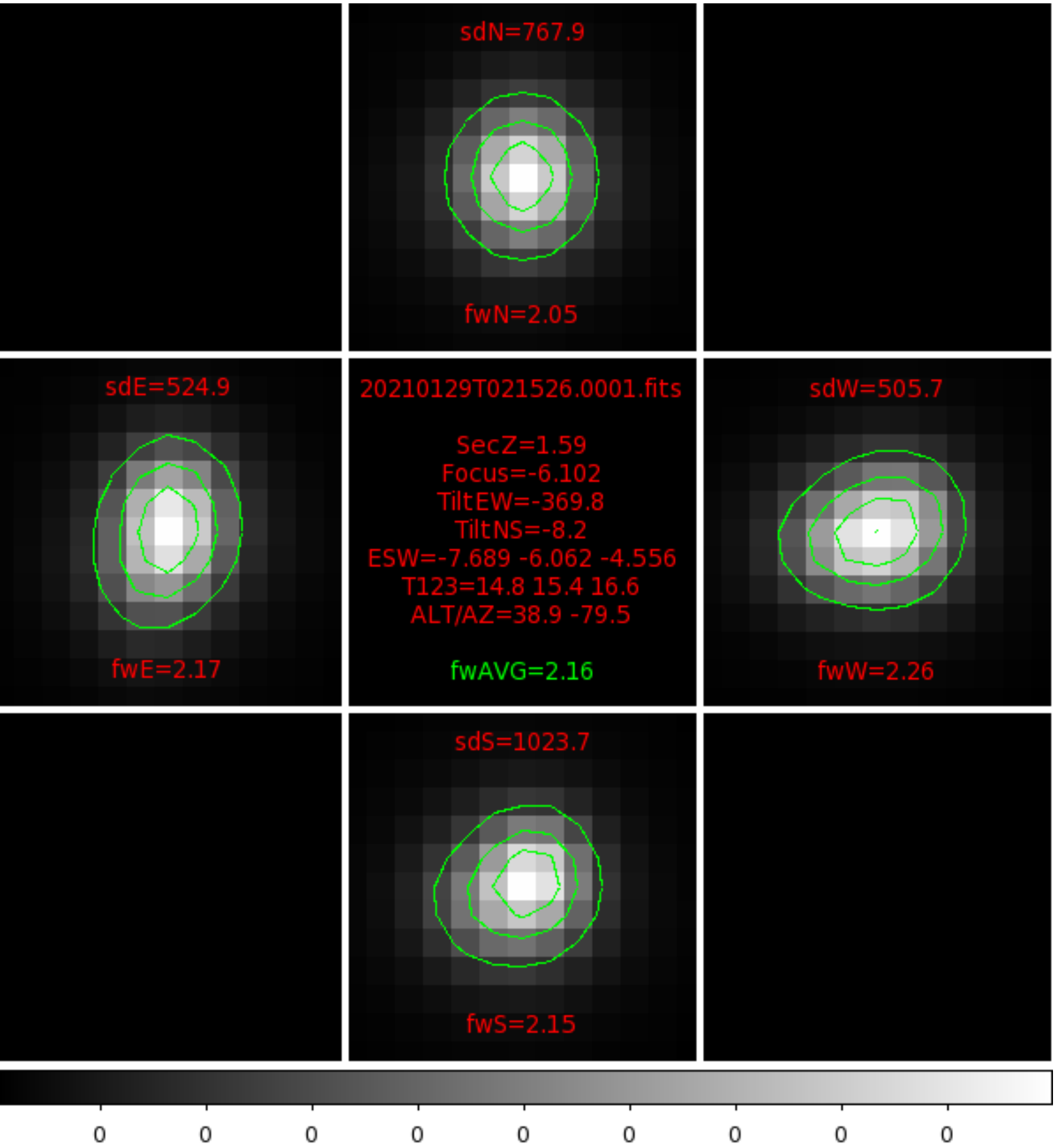
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.8 15.4 16.6
ALT/AZ=38.9 -79.5
fwAVG=2.16
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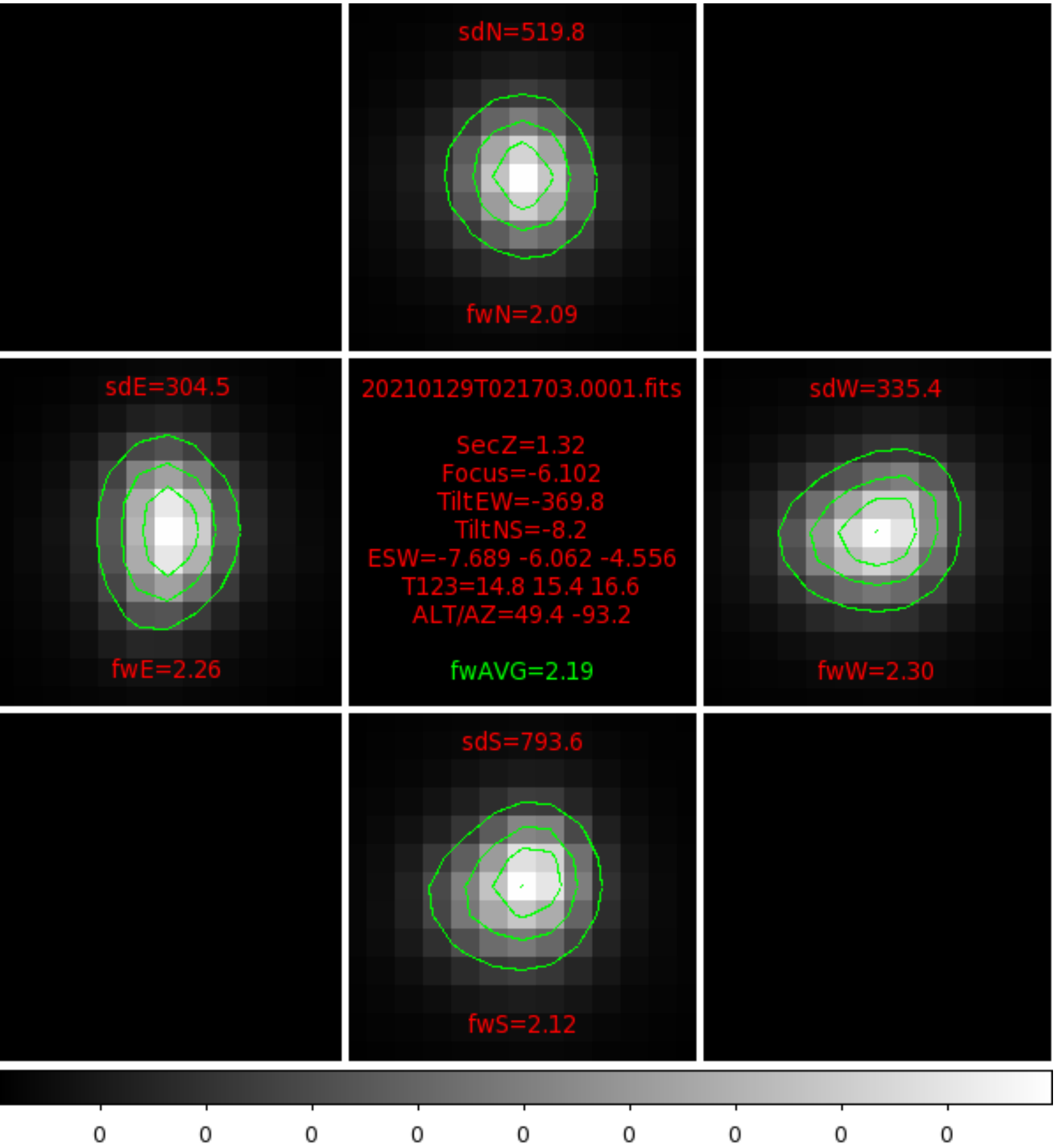
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TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.8 15.4 16.6
ALT/AZ=49.4 -93.2
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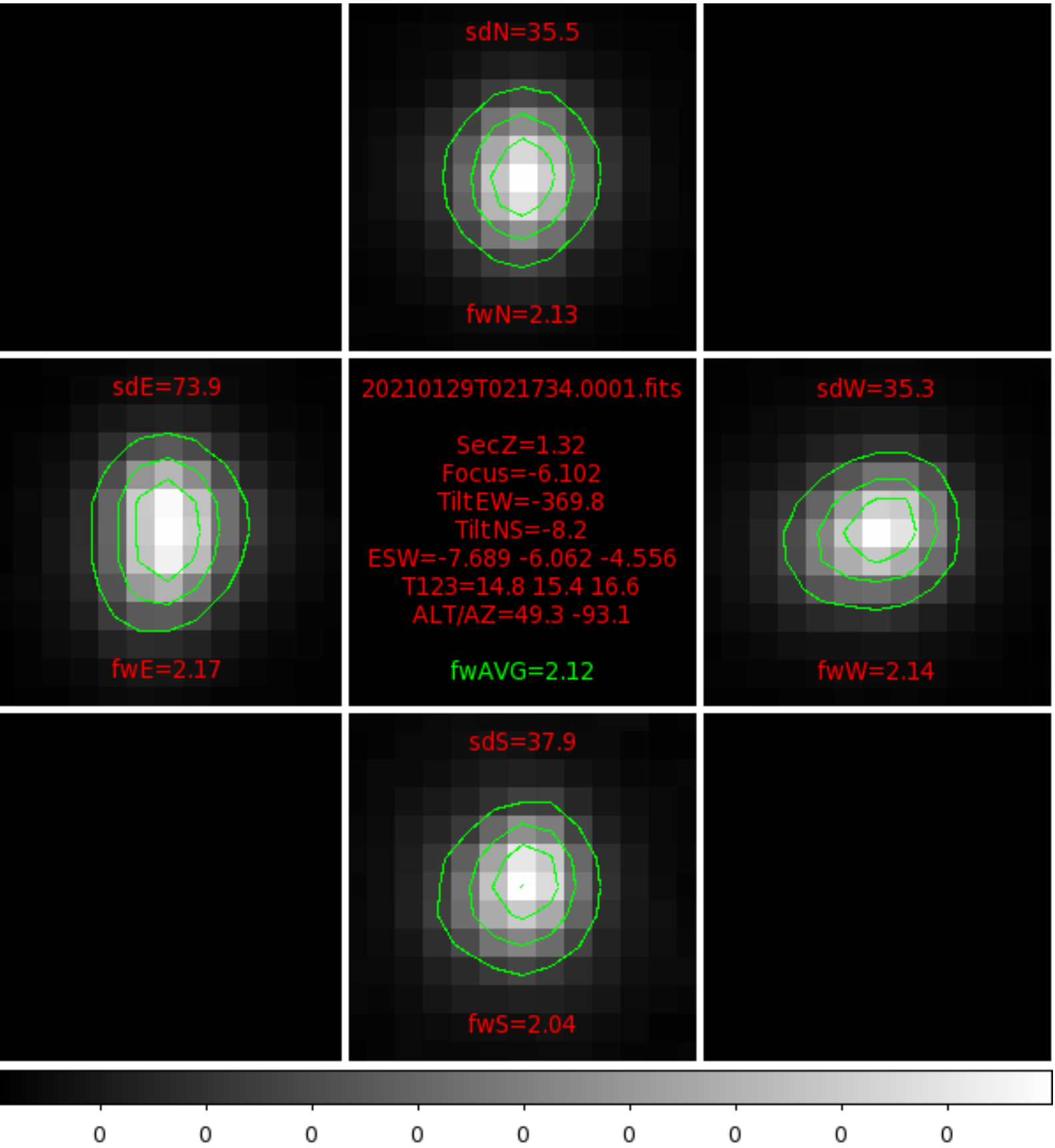
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TiltNS=-8.2
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T123=14.8 15.4 16.6
ALT/AZ=49.3 -93.1
fwAVG=2.12
sdW=35.3
fwW=2.14
sdS=37.9
fwS=2.04
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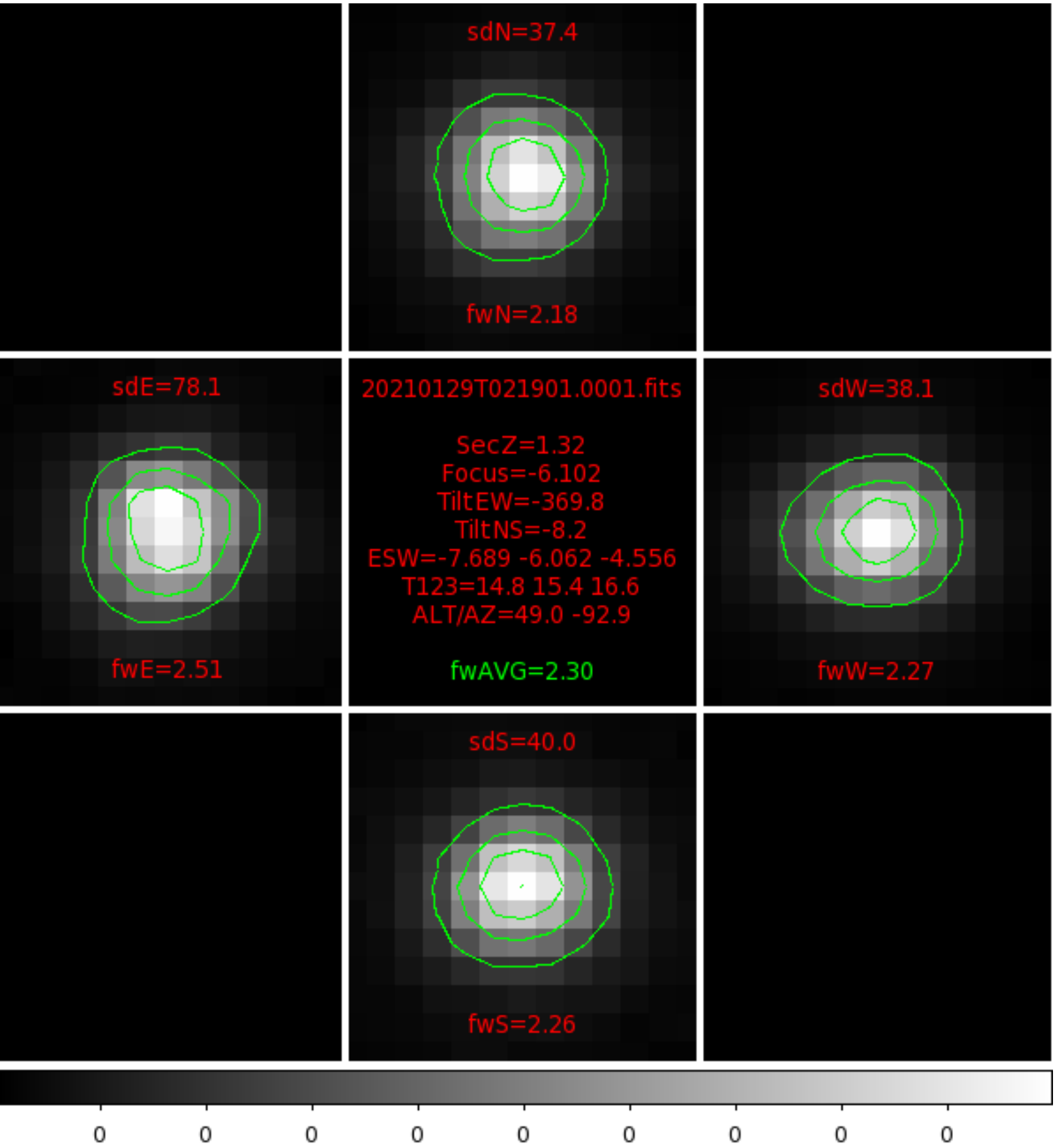
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SecZ=1.32
Focus=-6.102
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.8 15.4 16.6
ALT/AZ=49.0 -92.9
fwAVG=2.30
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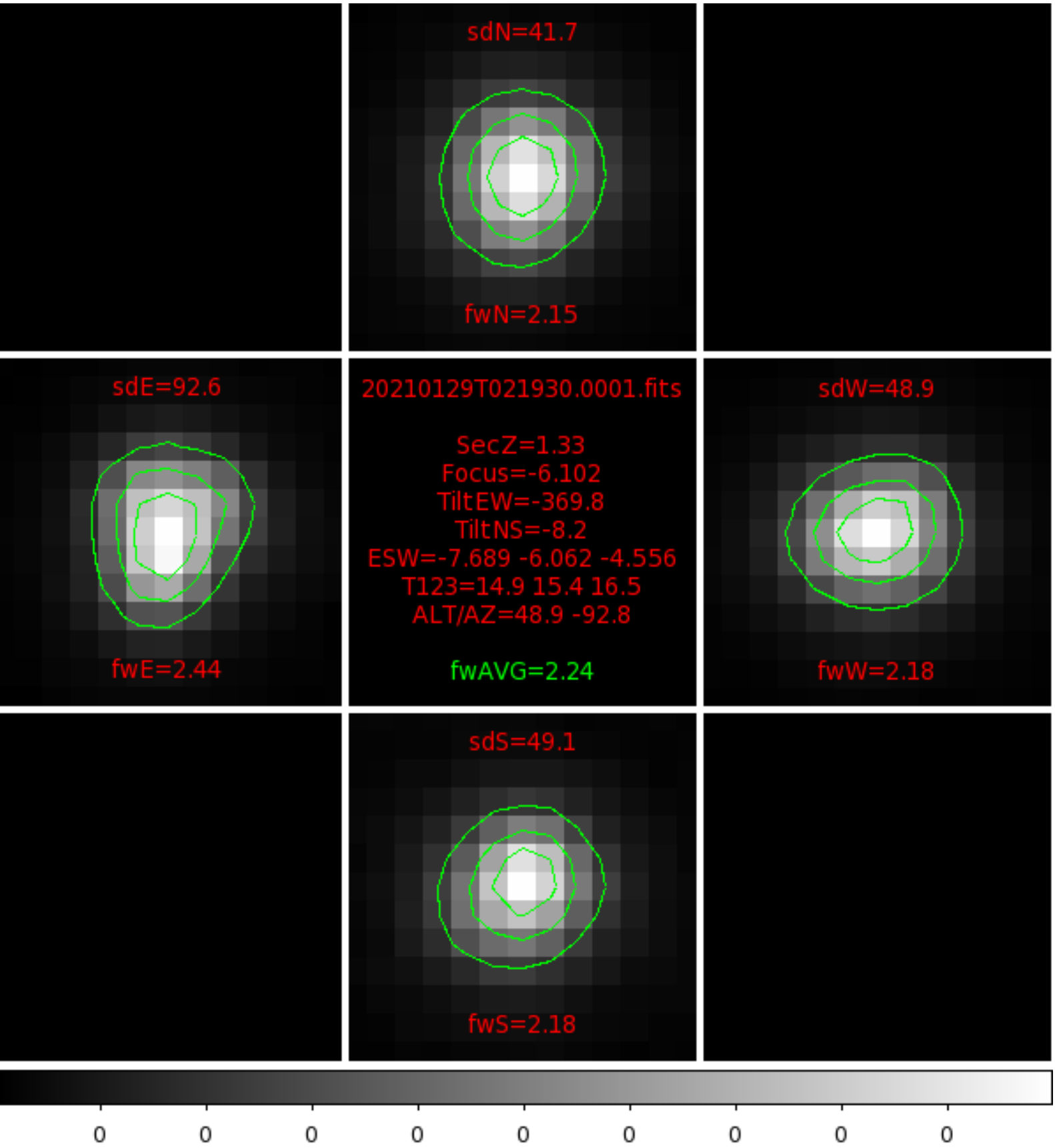
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20210129T021930.0001.fits
SecZ=1.33
Focus=-6.102
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.9 15.4 16.5
ALT/AZ=48.9 -92.8
fwAVG=2.24
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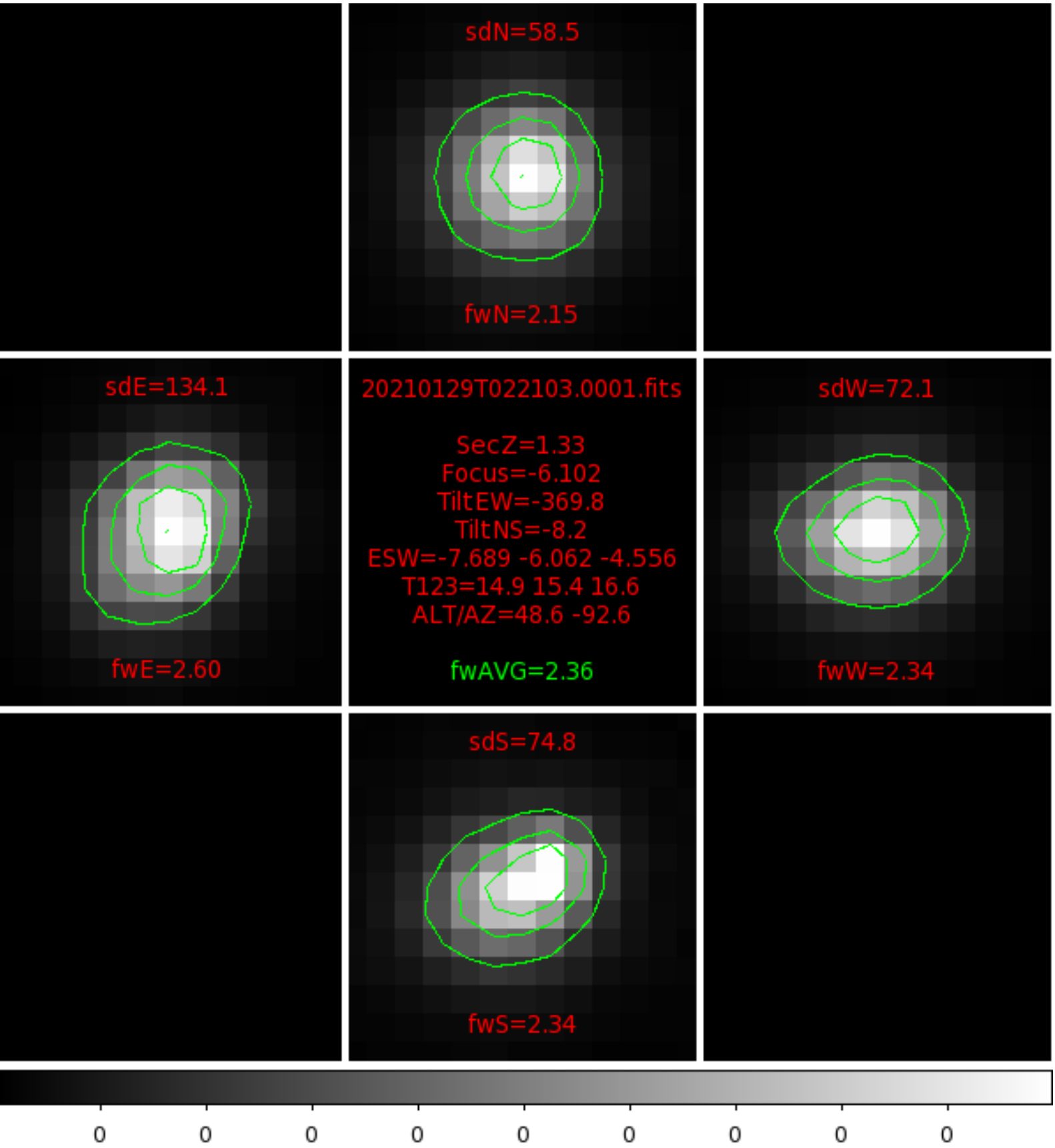
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SecZ=1.33
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ESW=-7.689 -6.062 -4.556
T123=14.9 15.4 16.6
ALT/AZ=48.6 -92.6
fwAVG=2.36
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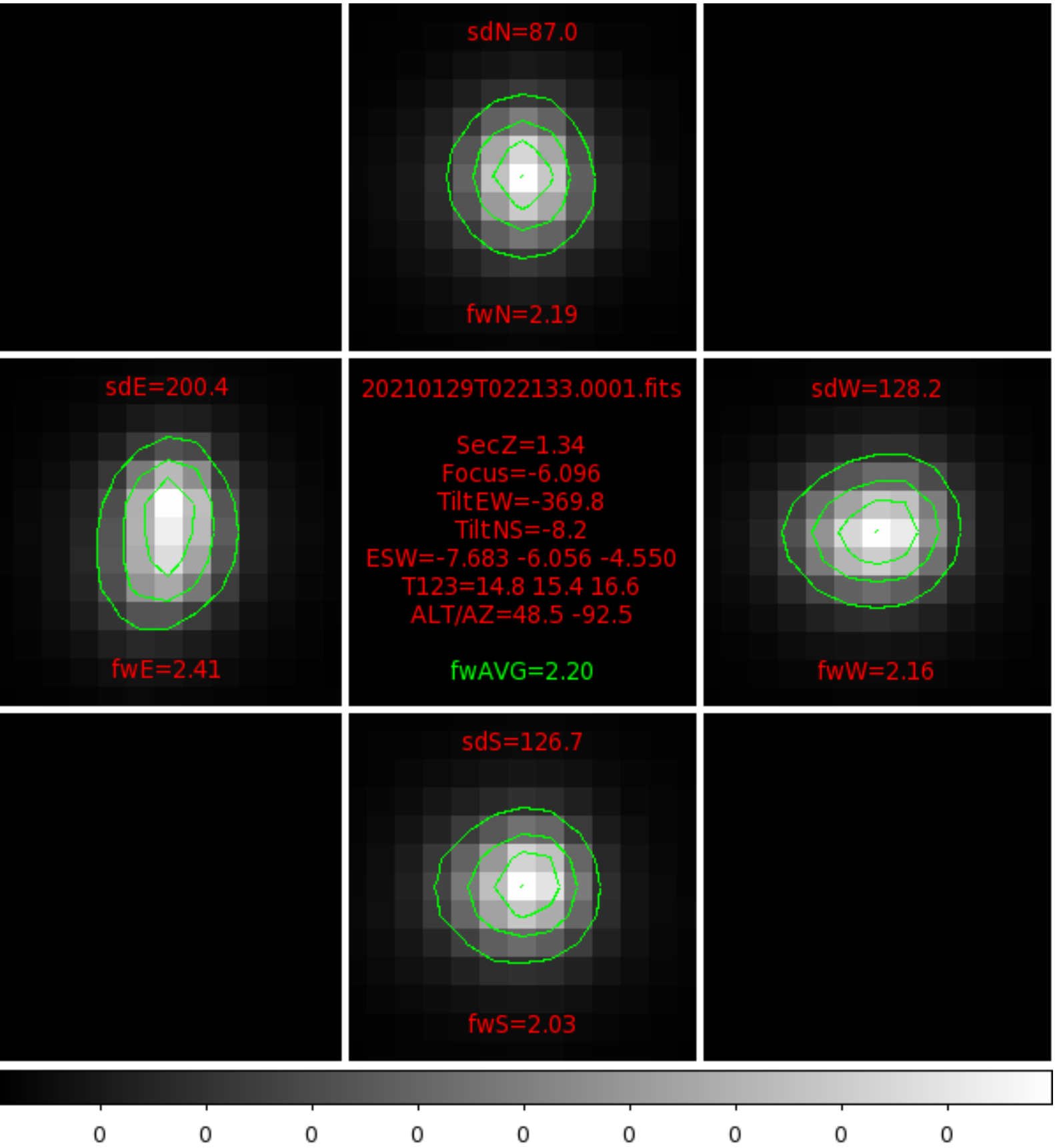
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SecZ=1.34
Focus=-6.096
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TiltNS=-8.2
ESW=-7.683 -6.056 -4.550
T123=14.8 15.4 16.6
ALT/AZ=48.5 -92.5
fwAVG=2.20
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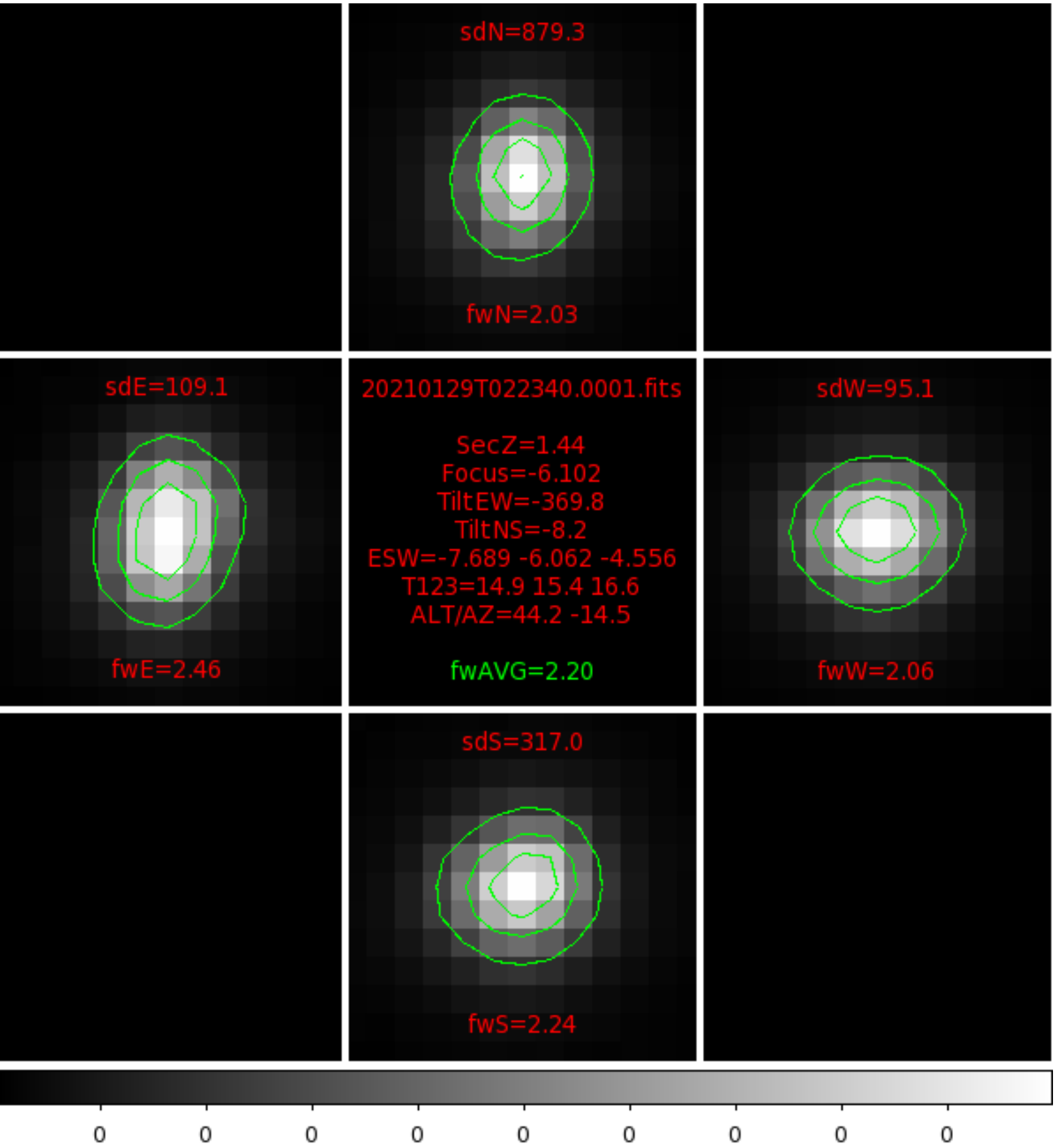
sdN=879.3
fwN=2.03
sdE=109.1
fwE=2.46
20210129T022340.0001.fits
SecZ=1.44
Focus=-6.102
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.9 15.4 16.6
ALT/AZ=44.2 -14.5
fwAVG=2.20
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sdS=317.0
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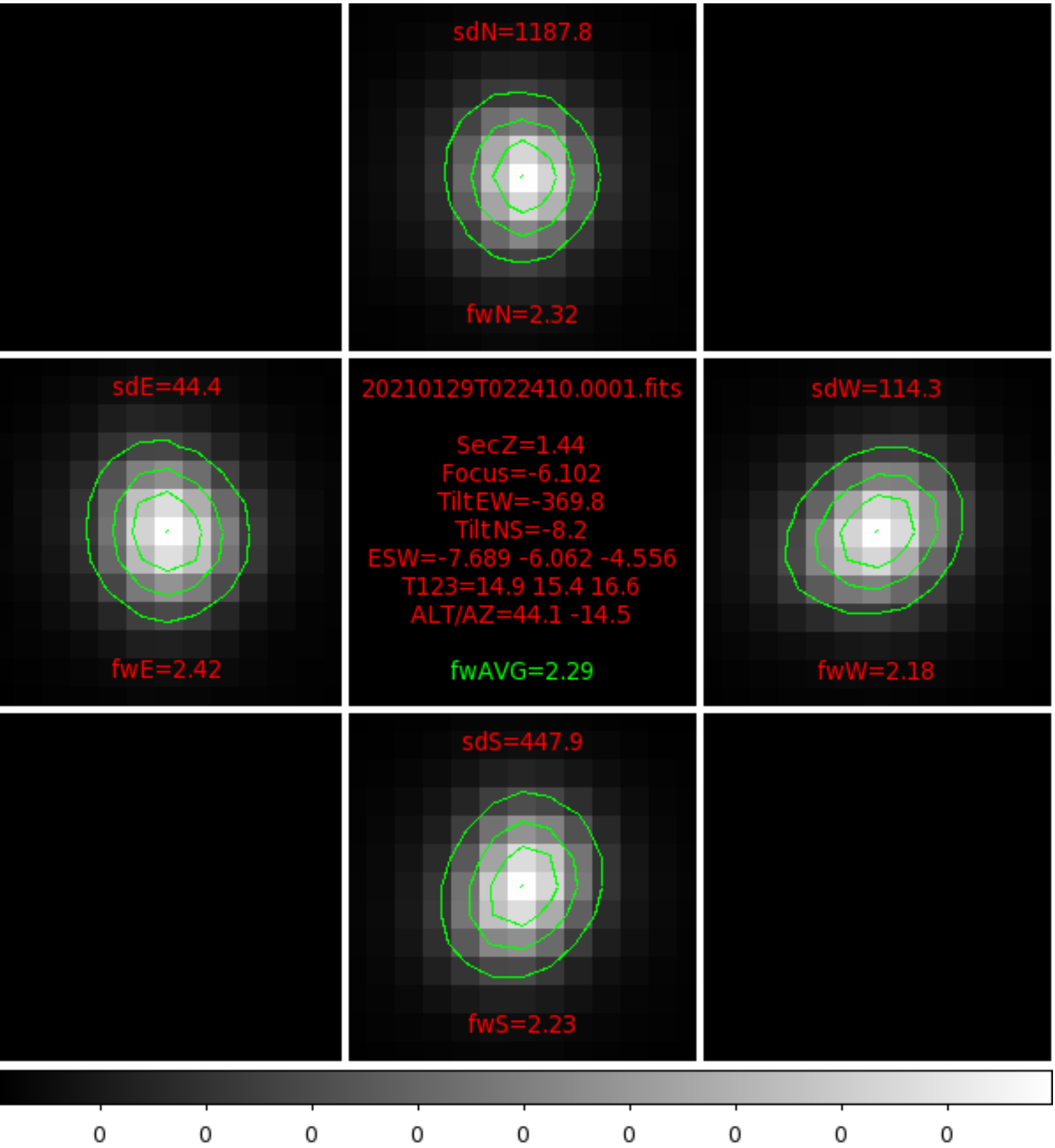
sdN=1187.8
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sdE=44.4
fwE=2.42
20210129T022410.0001.fits
SecZ=1.44
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.9 15.4 16.6
ALT/AZ=44.1 -14.5
fwAVG=2.29
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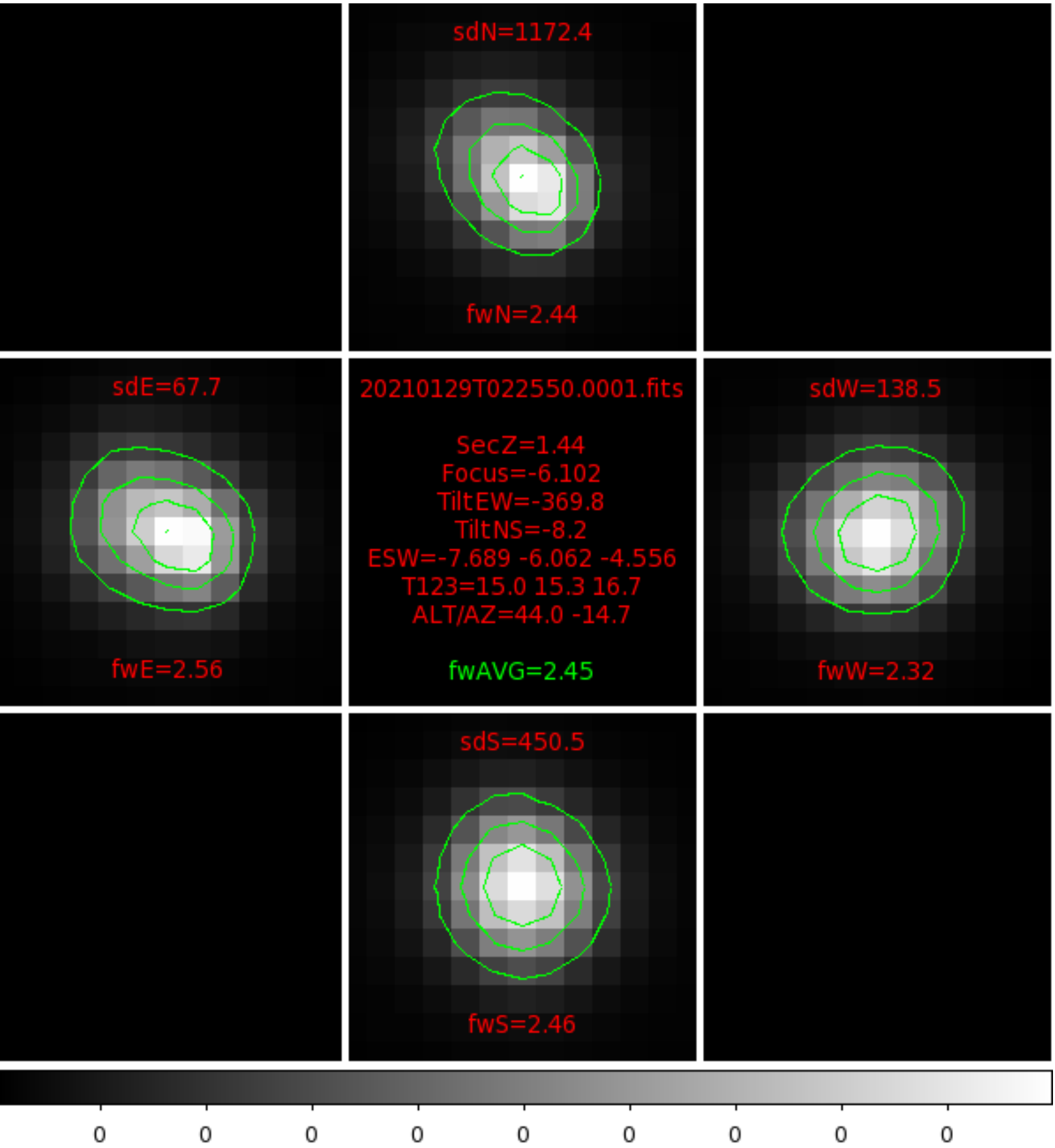
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SecZ=1.44
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=15.0 15.3 16.7
ALT/AZ=44.0 -14.7
fwAVG=2.45
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sdS=450.5
fwS=2.46
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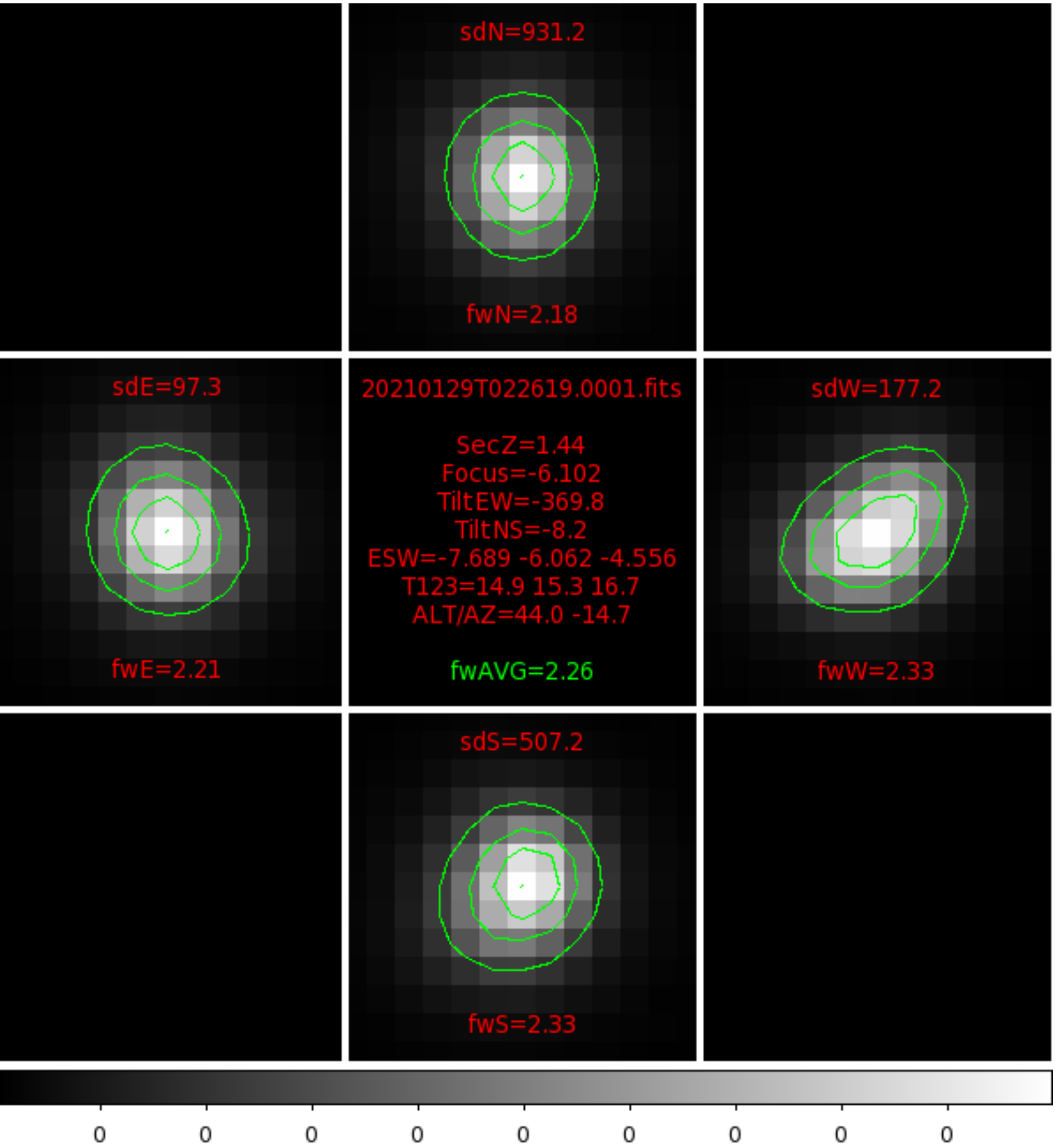
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sdE=97.3
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20210129T022619.0001.fits
SecZ=1.44
Focus=-6.102
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.9 15.3 16.7
ALT/AZ=44.0 -14.7
fwAVG=2.26
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sdS=507.2
fwS=2.33
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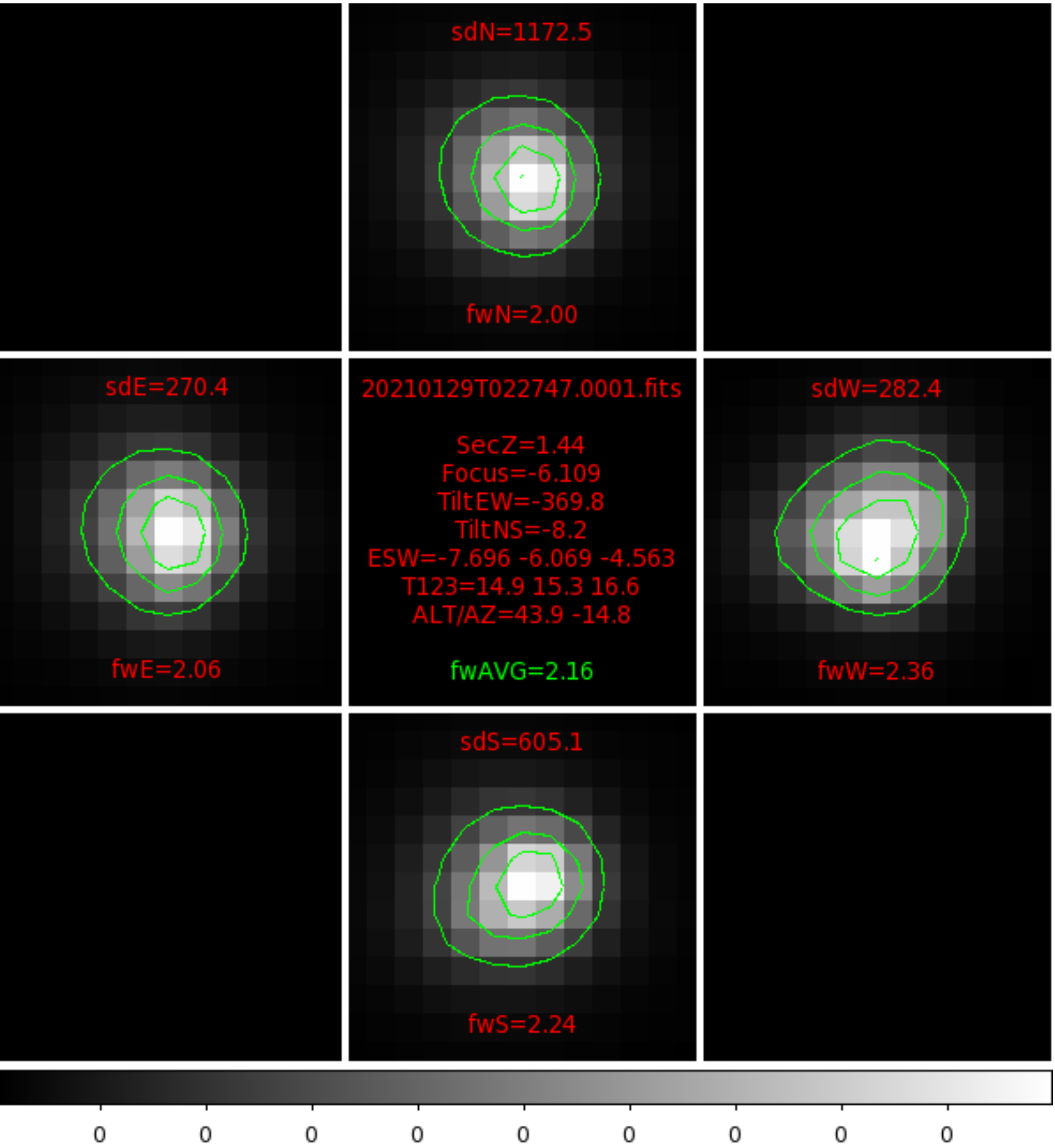
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SecZ=1.44
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TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=14.9 15.3 16.6
ALT/AZ=43.9 -14.8
fwAVG=2.16
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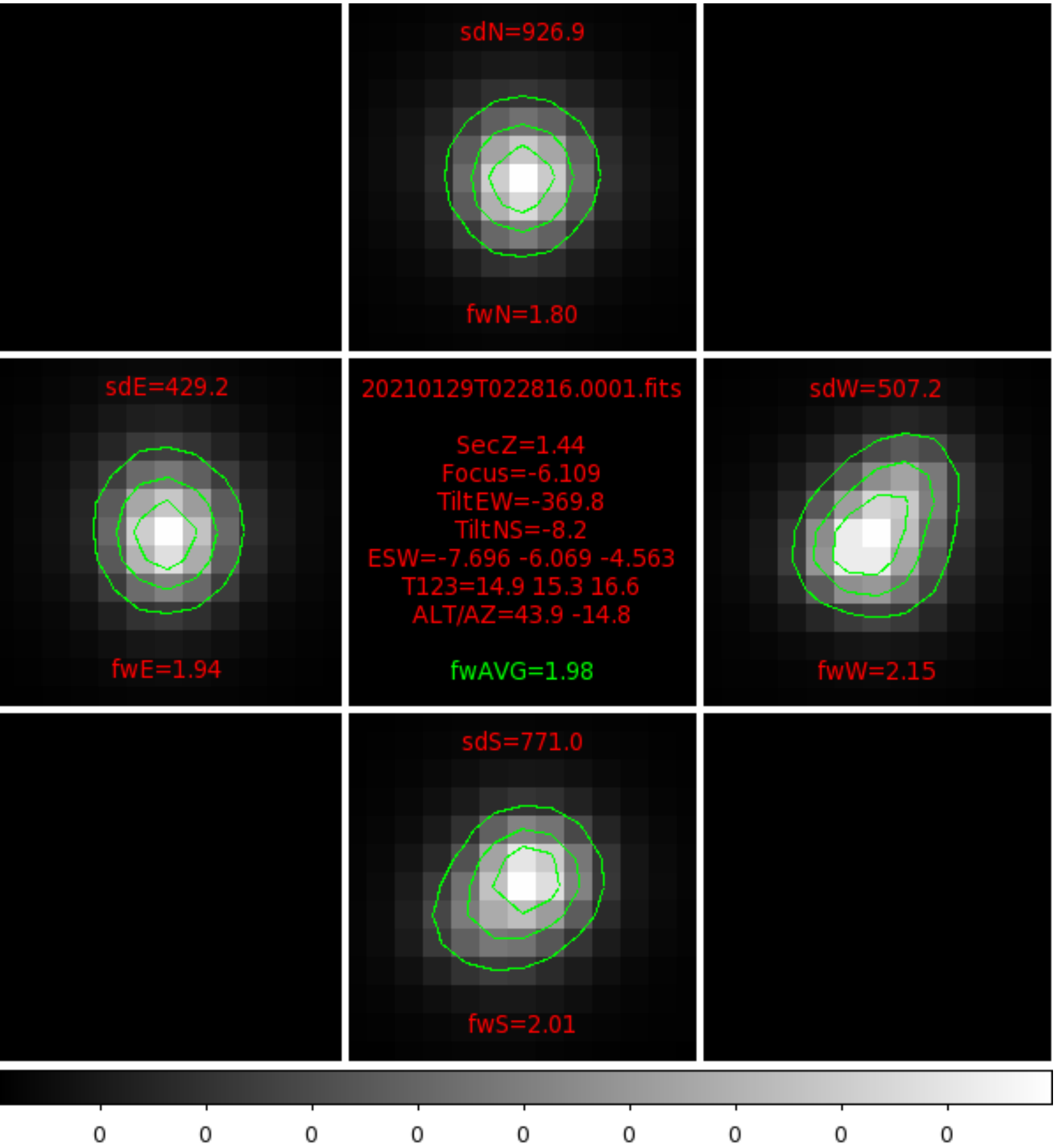
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20210129T022816.0001.fits
SecZ=1.44
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=14.9 15.3 16.6
ALT/AZ=43.9 -14.8
fwAVG=1.98
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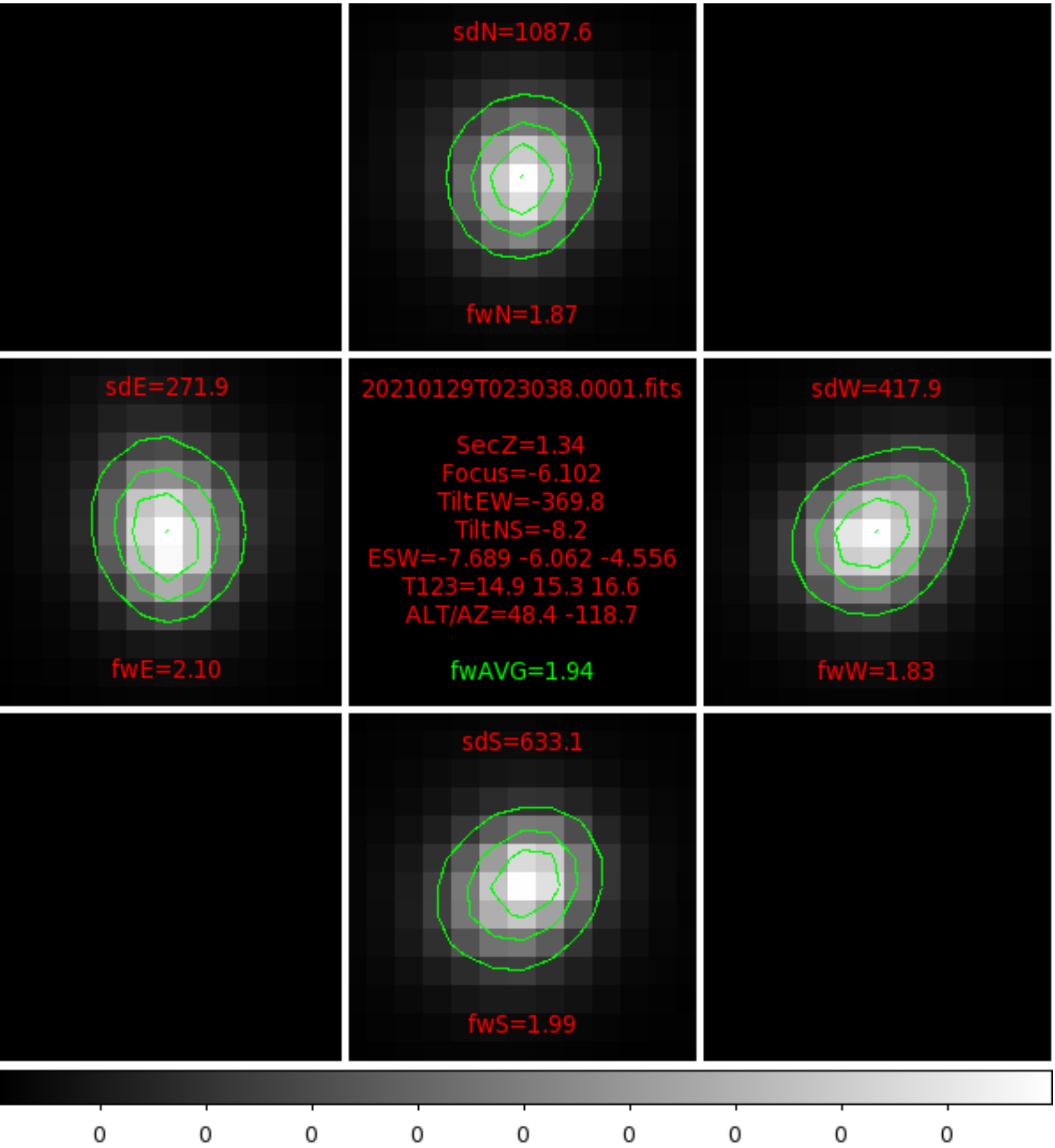
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20210129T023038.0001.fits
SecZ=1.34
Focus=-6.102
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.9 15.3 16.6
ALT/AZ=48.4 -118.7
fwAVG=1.94
sdW=417.9
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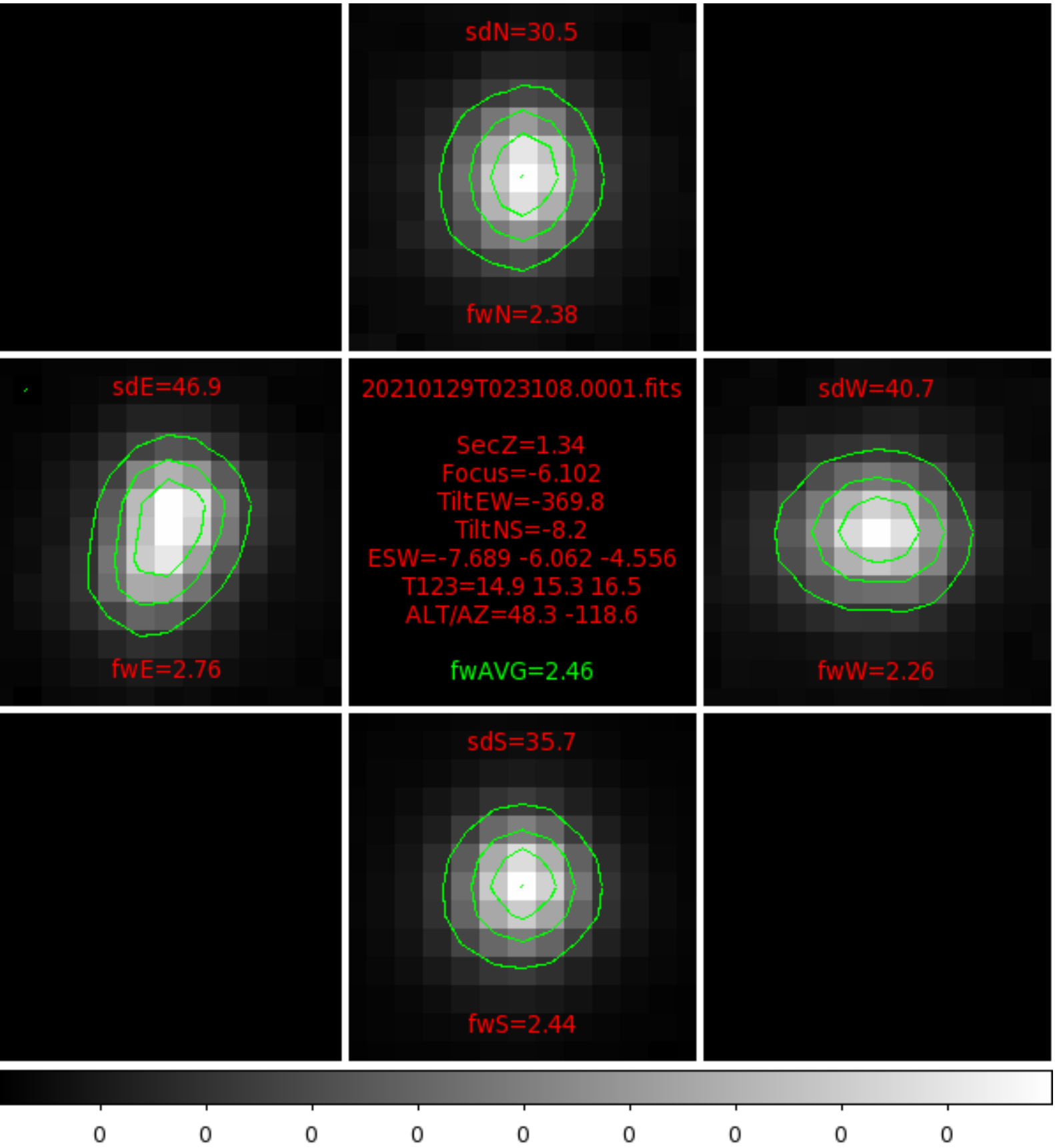
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SecZ=1.34
Focus=-6.102
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.9 15.3 16.5
ALT/AZ=48.3 -118.6
fwAVG=2.46
sdW=40.7
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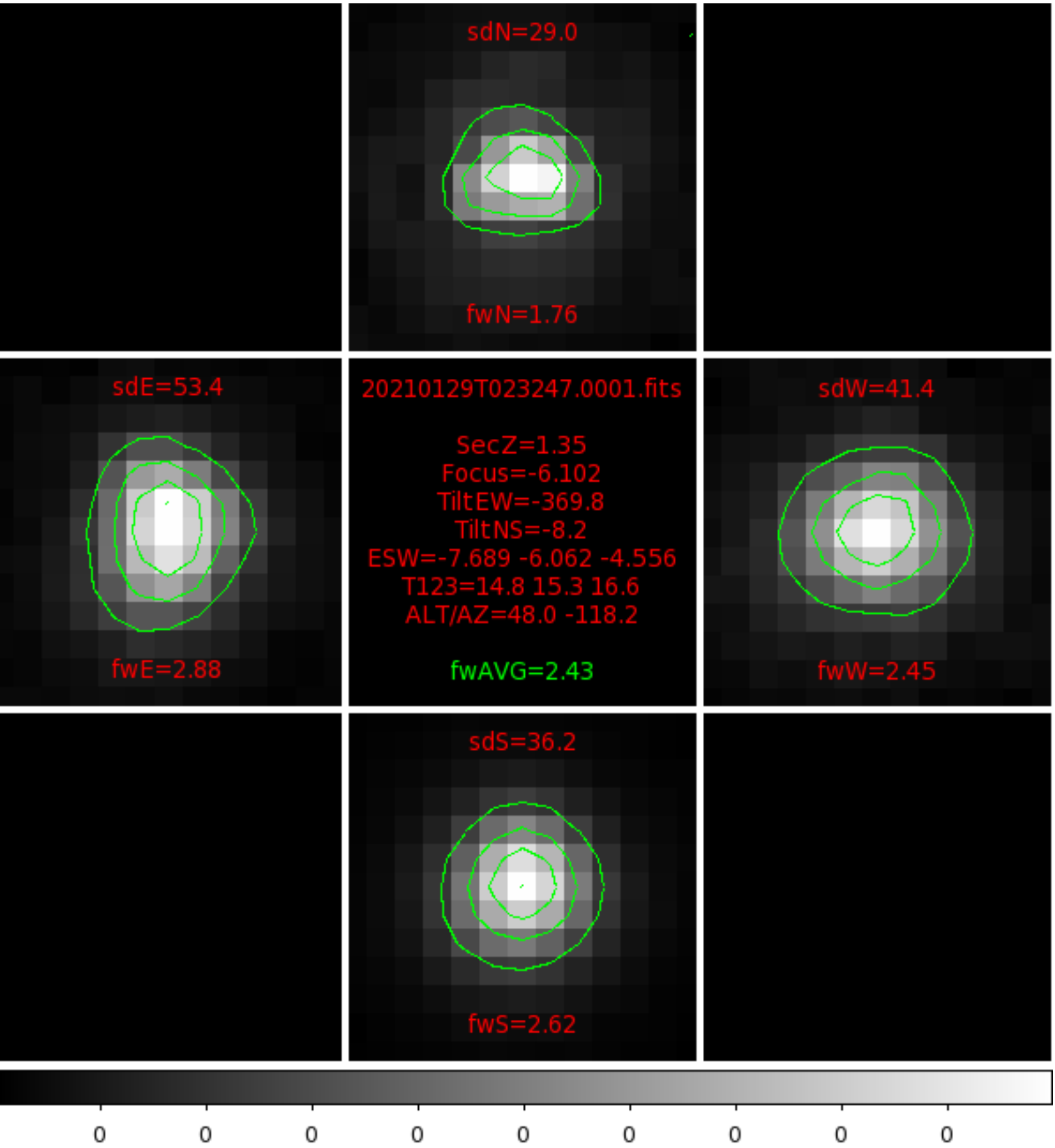
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SecZ=1.35
Focus=-6.102
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.8 15.3 16.6
ALT/AZ=48.0 -118.2
fwAVG=2.43
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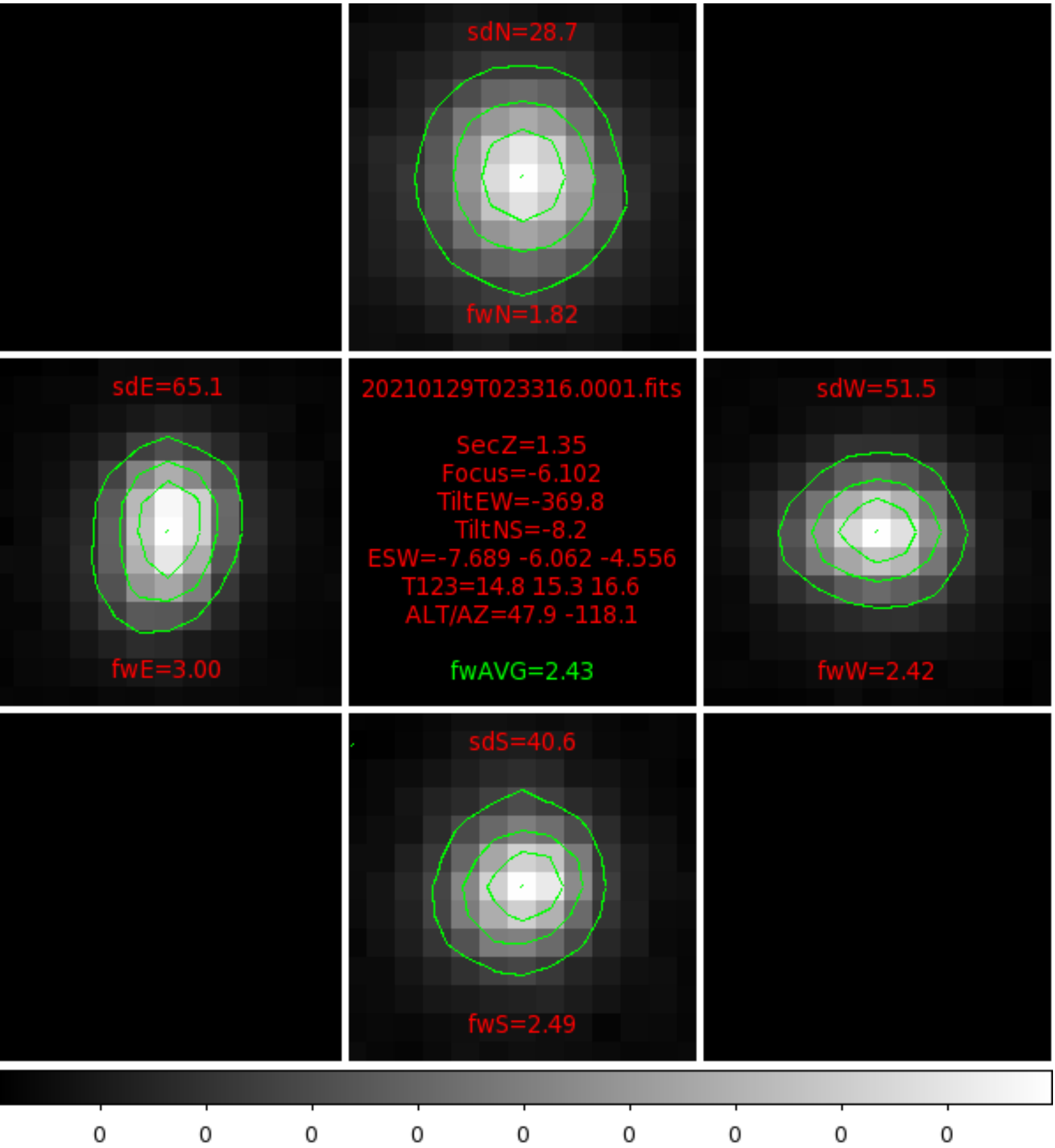
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SecZ=1.35
Focus=-6.102
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.8 15.3 16.6
ALT/AZ=47.9 -118.1
fwAVG=2.43
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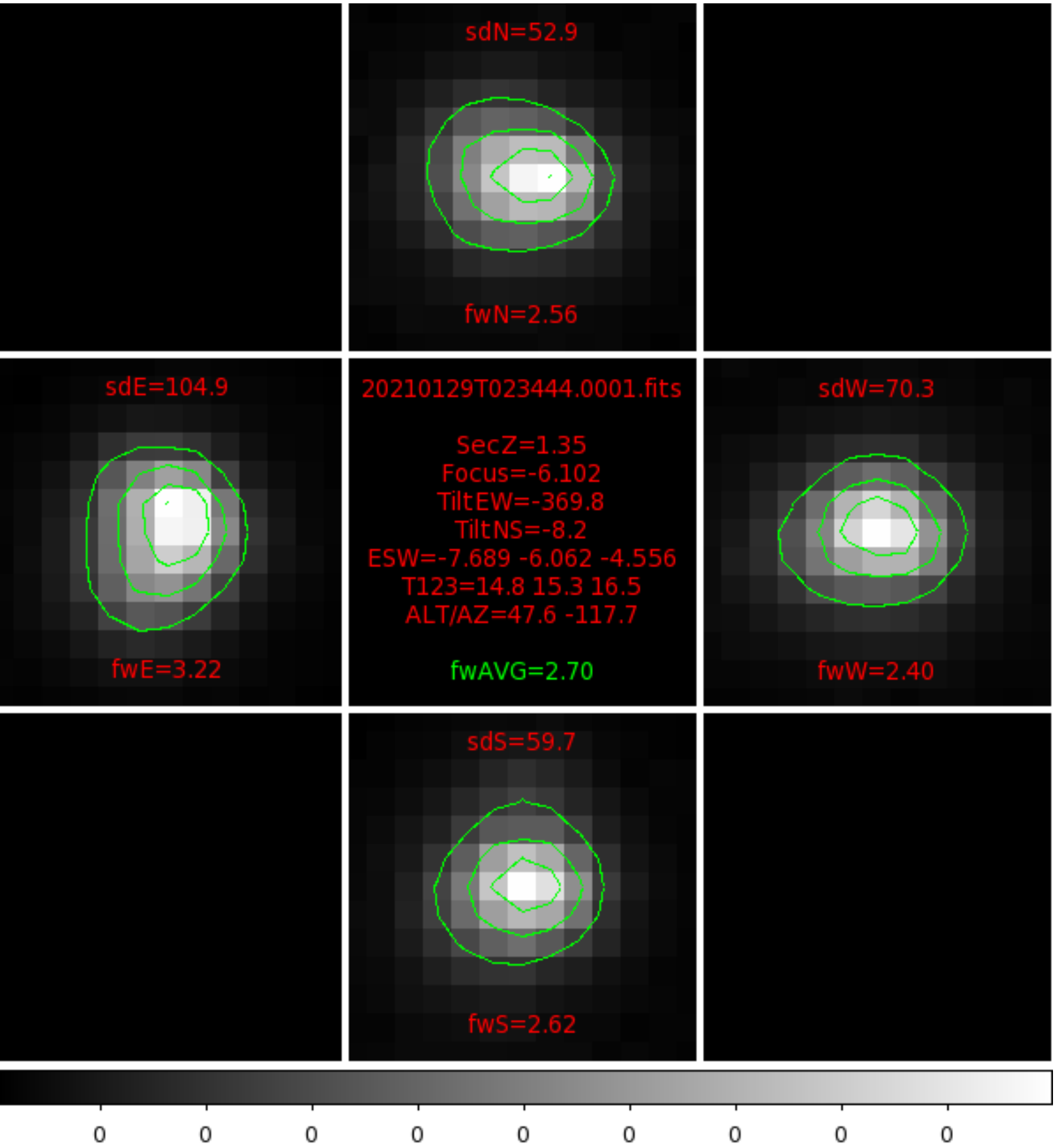
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SecZ=1.35
Focus=-6.102
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.8 15.3 16.5
ALT/AZ=47.6 -117.7
fwAVG=2.70
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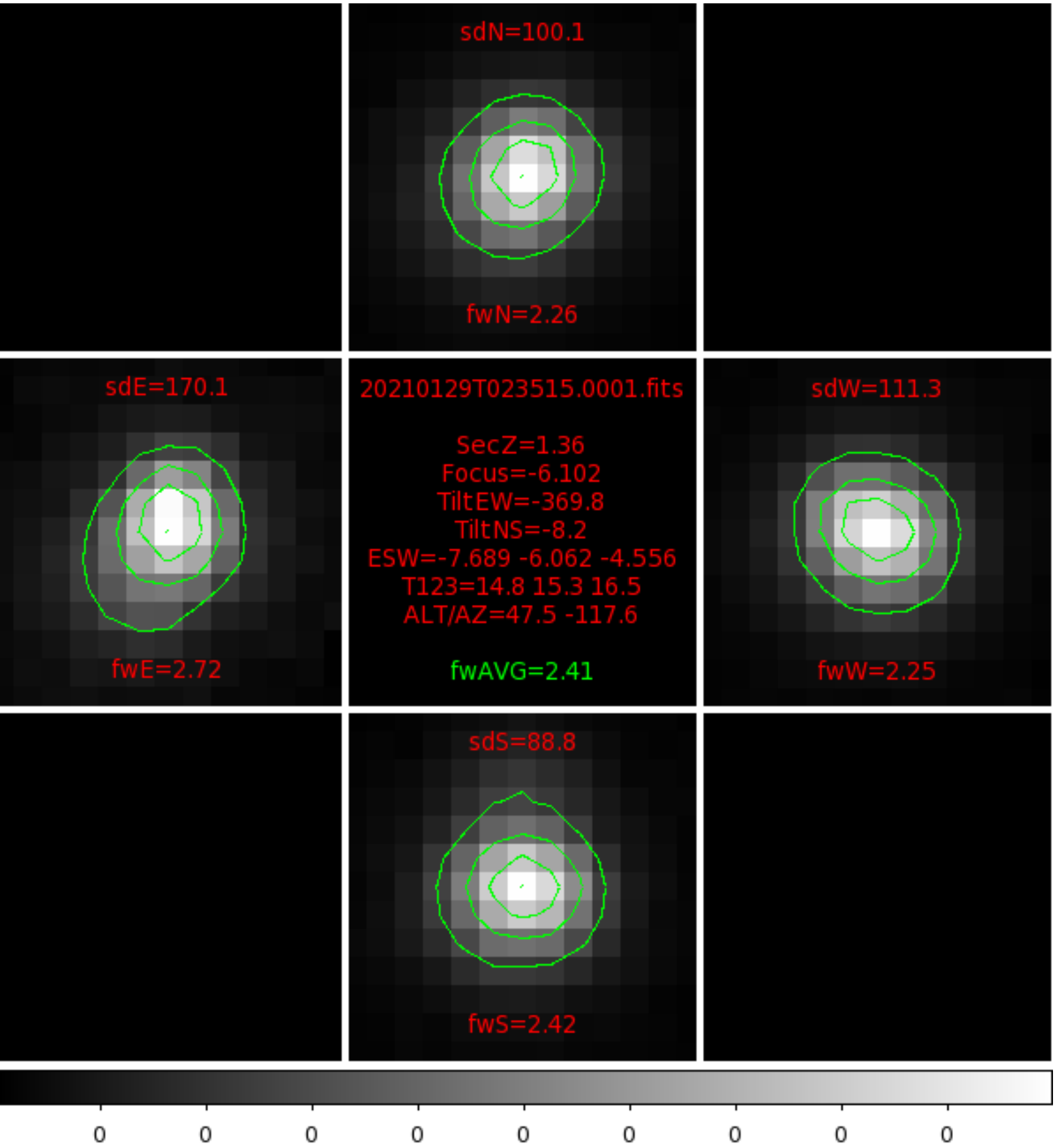
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SecZ=1.36
Focus=-6.102
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.8 15.3 16.5
ALT/AZ=47.5 -117.6
fwAVG=2.41
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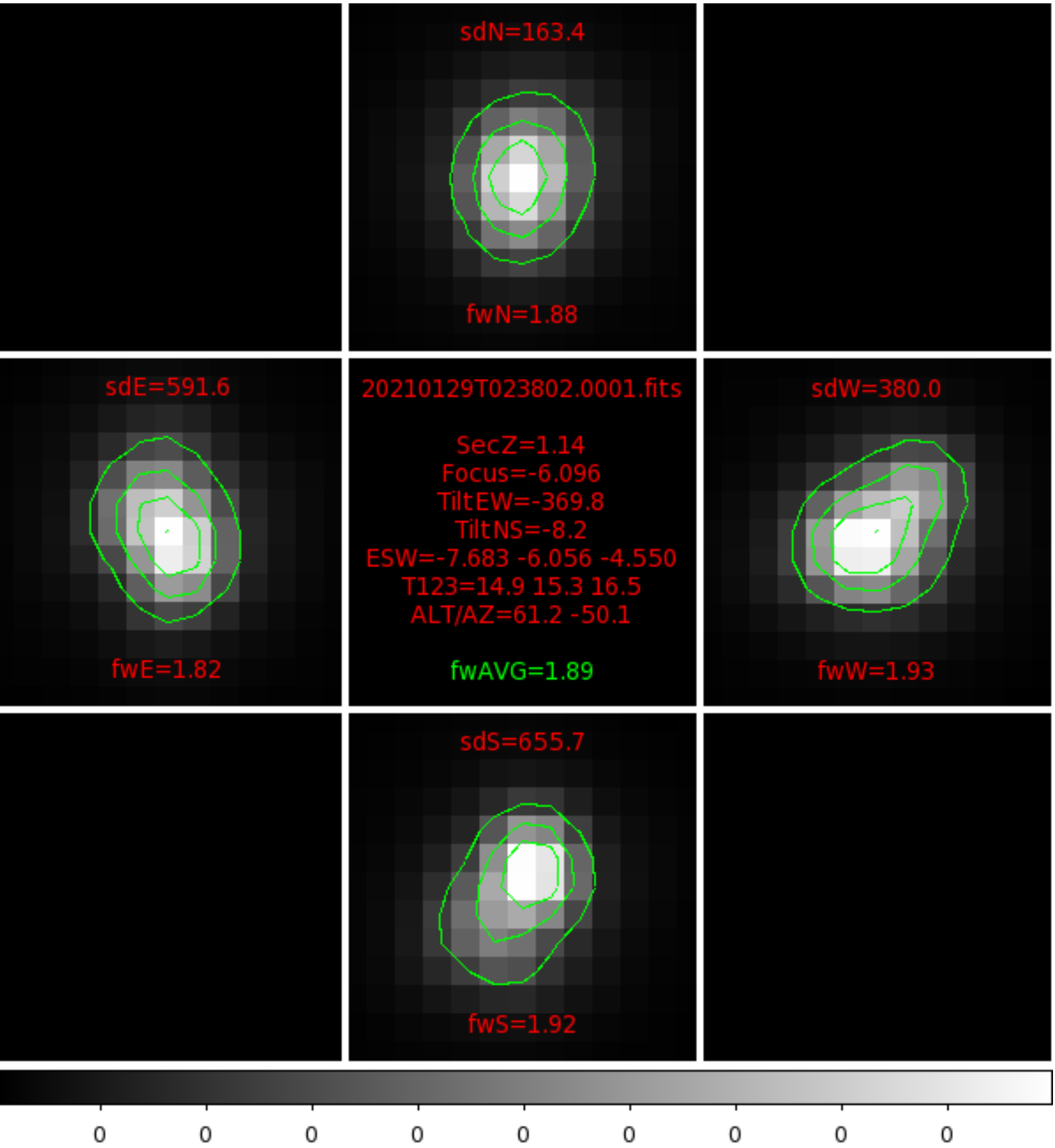
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sdE=591.6
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TiltNS=-8.2
ESW=-7.683 -6.056 -4.550
T123=14.9 15.3 16.5
ALT/AZ=61.2 -50.1
fwAVG=1.89
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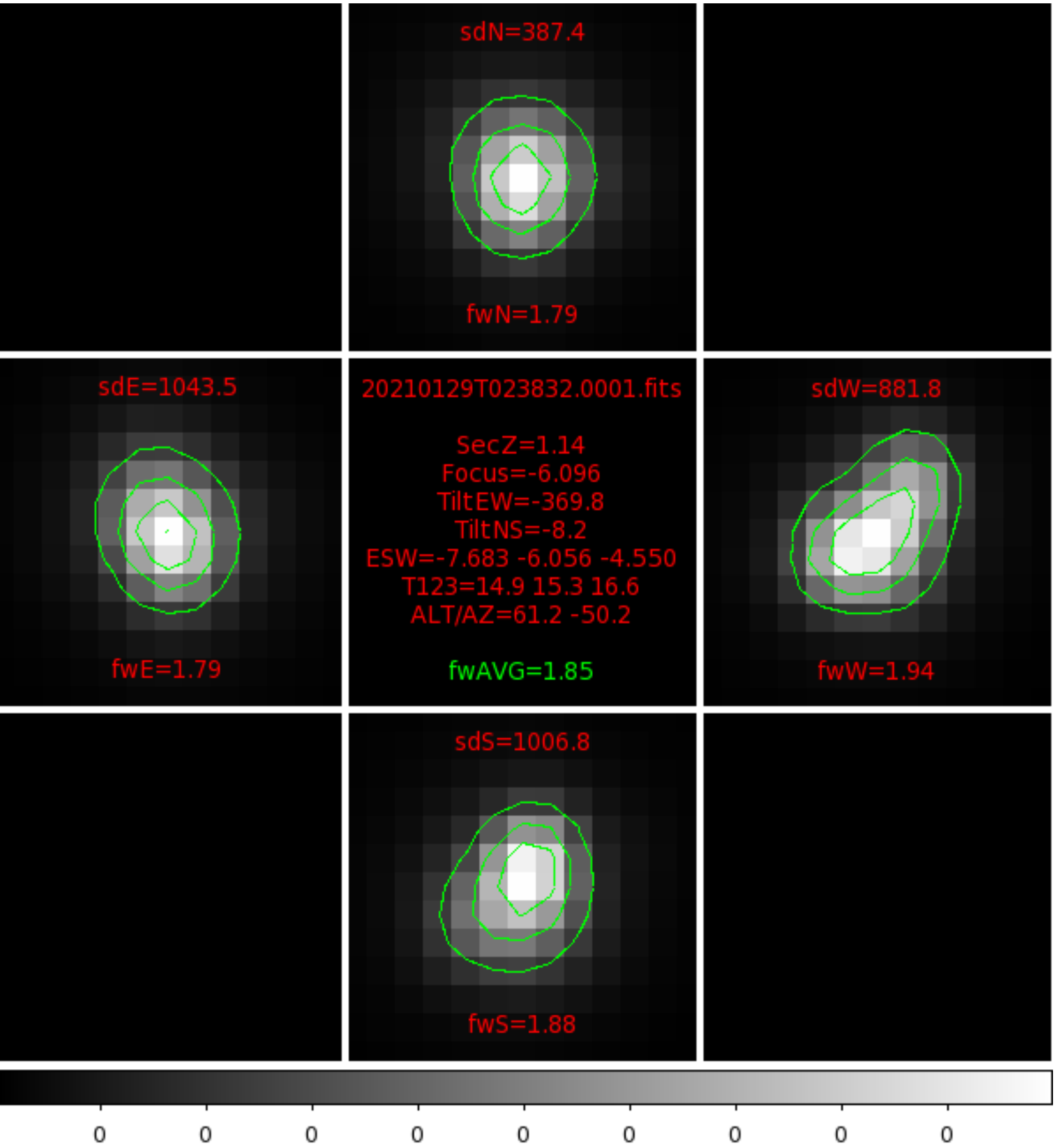
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SecZ=1.14
Focus=-6.096
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.683 -6.056 -4.550
T123=14.9 15.3 16.6
ALT/AZ=61.2 -50.2
fwAVG=1.85
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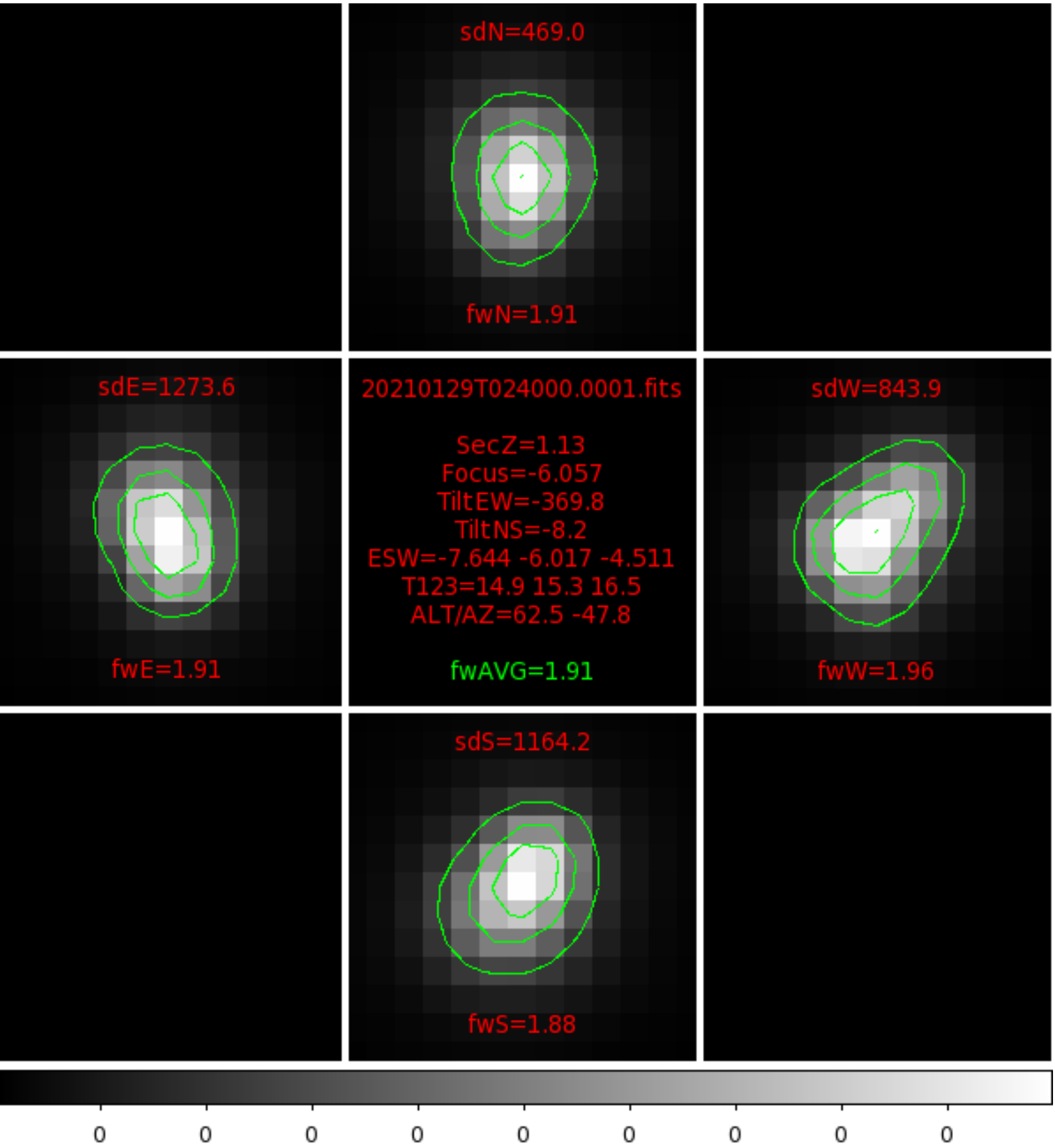
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SecZ=1.13
Focus=-6.057
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.644 -6.017 -4.511
T123=14.9 15.3 16.5
ALT/AZ=62.5 -47.8
fwAVG=1.91
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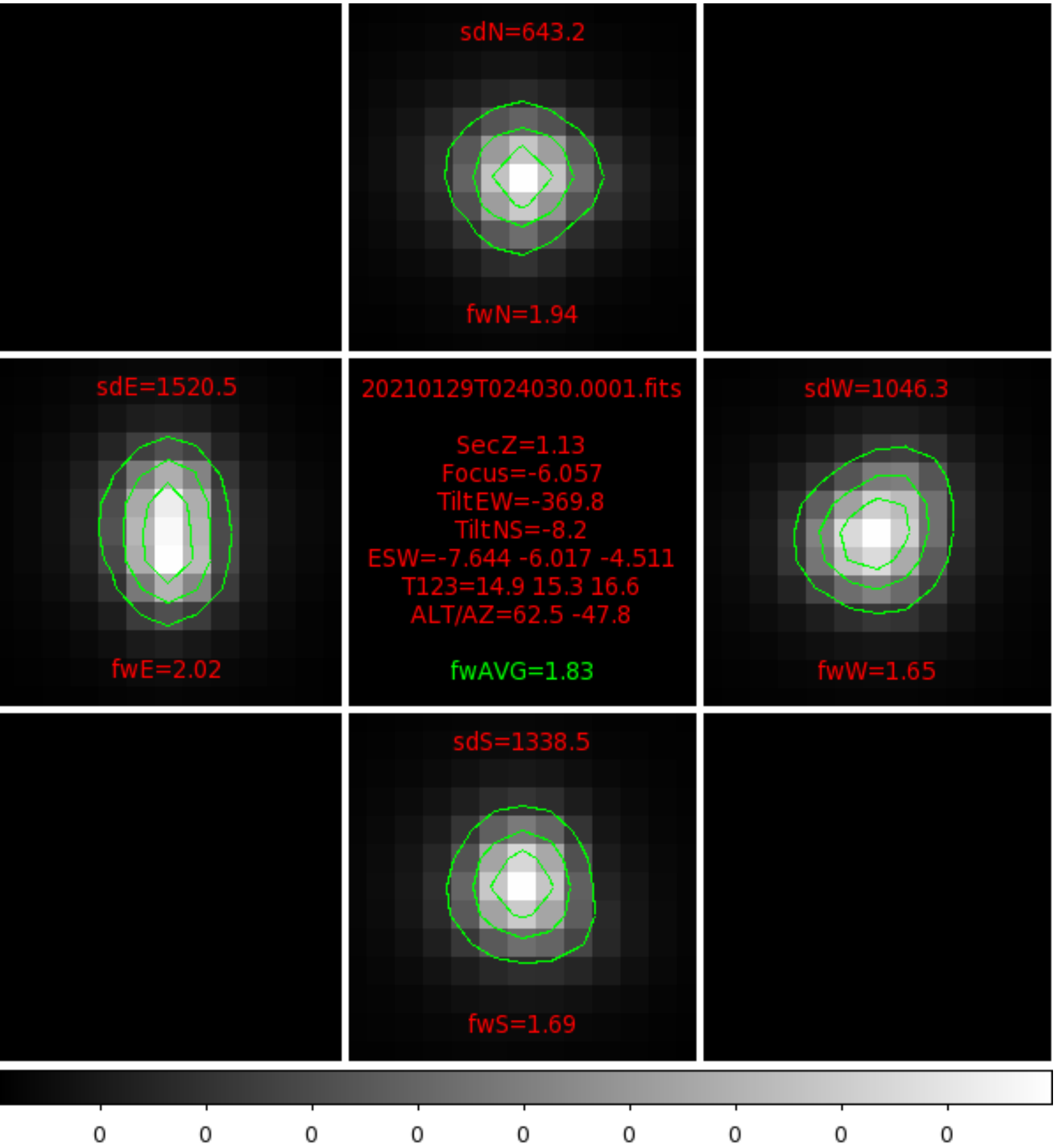
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TiltNS=-8.2
ESW=-7.644 -6.017 -4.511
T123=14.9 15.3 16.6
ALT/AZ=62.5 -47.8
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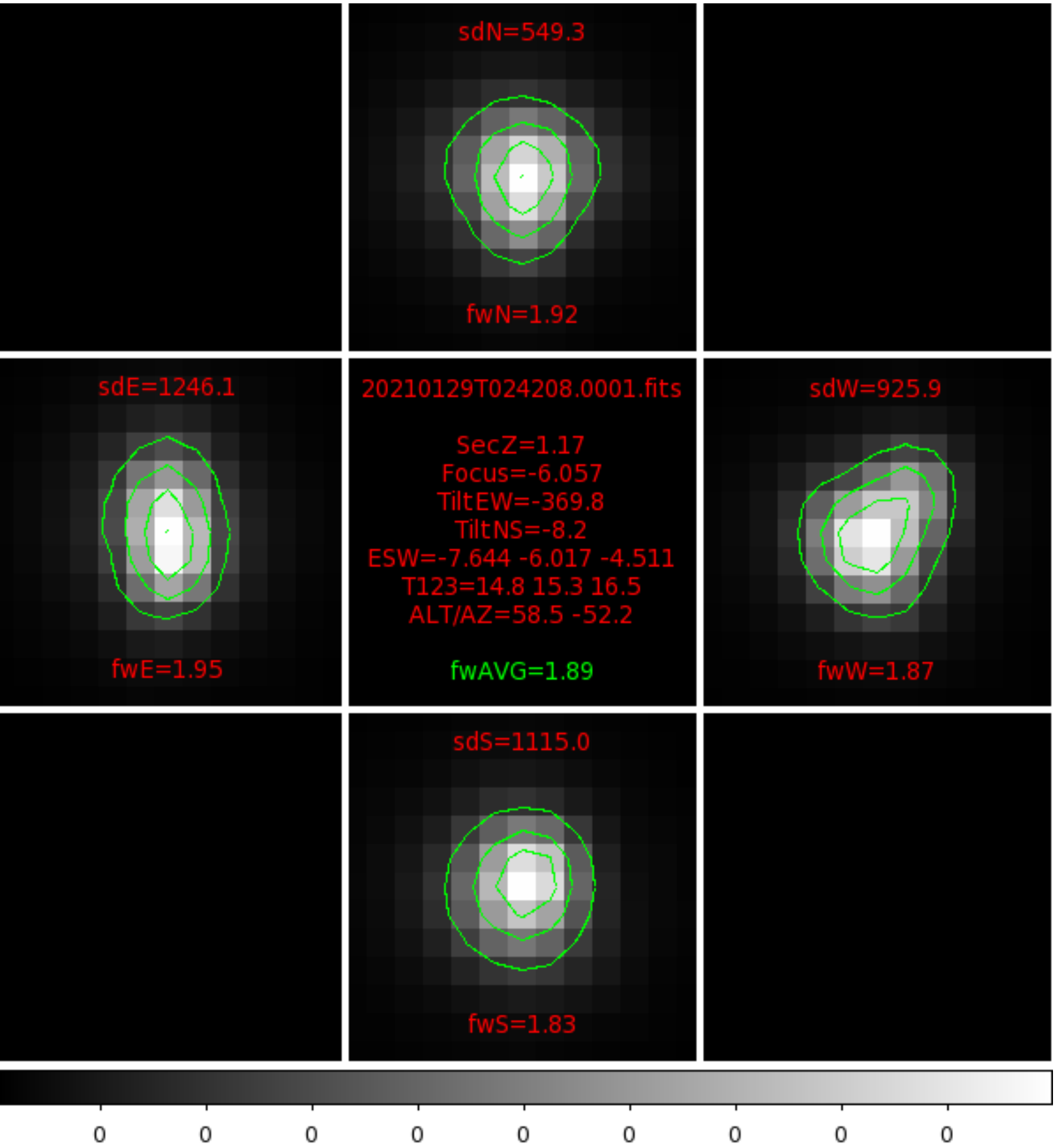
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SecZ=1.17
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.644 -6.017 -4.511
T123=14.8 15.3 16.5
ALT/AZ=58.5 -52.2
fwAVG=1.89
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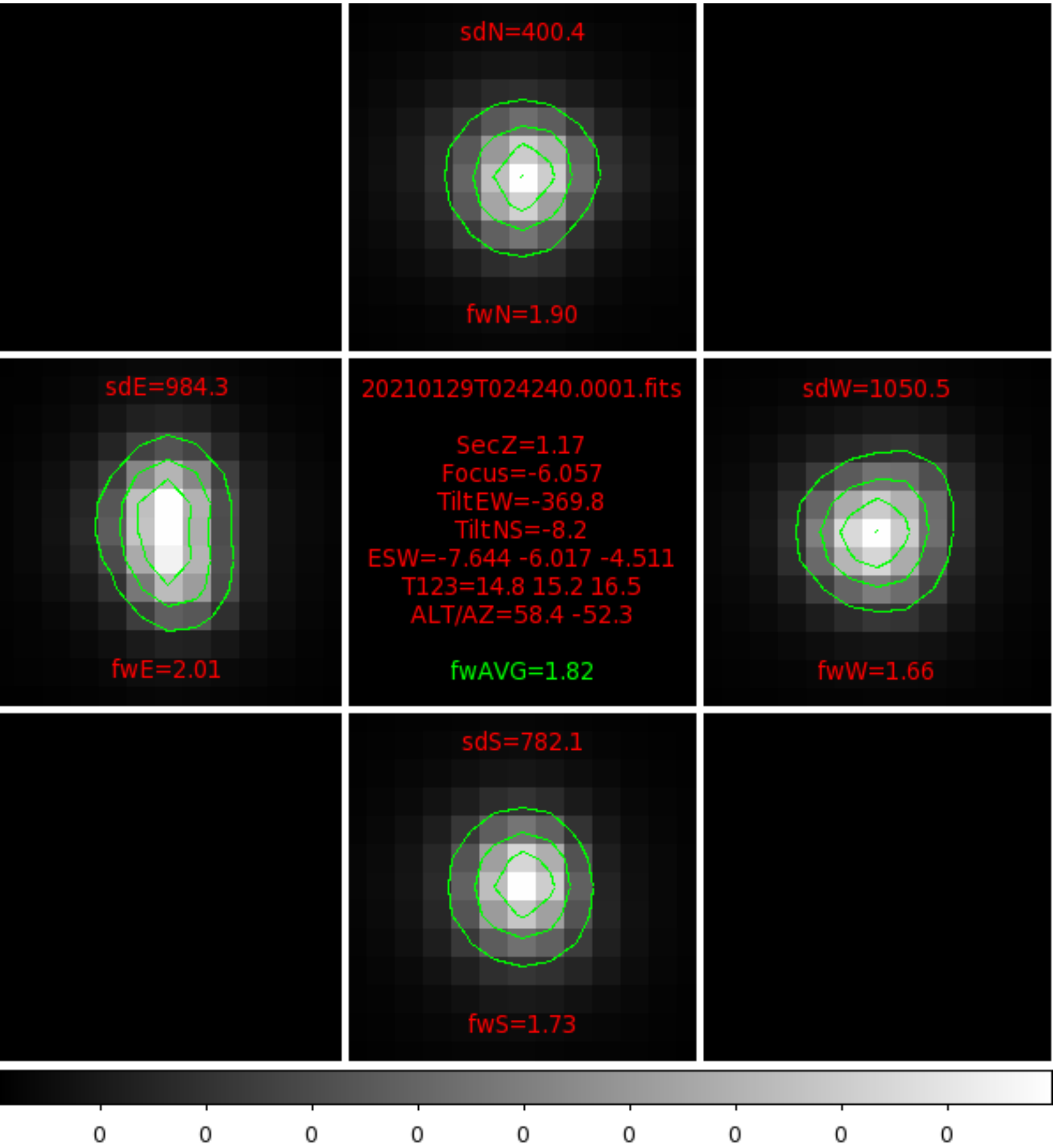
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SecZ=1.17
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.644 -6.017 -4.511
T123=14.8 15.2 16.5
ALT/AZ=58.4 -52.3
fwAVG=1.82
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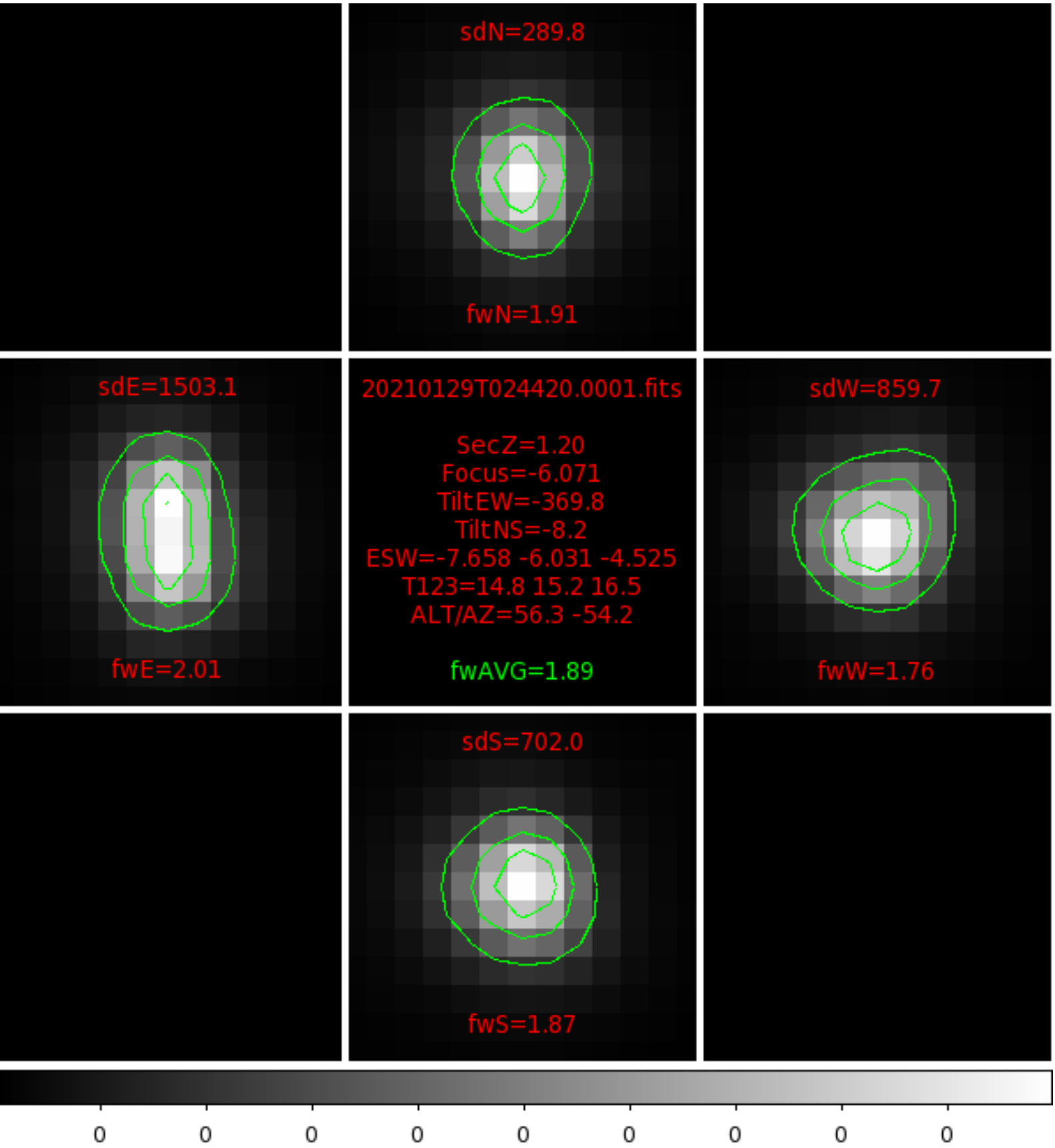
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sdE=1503.1
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SecZ=1.20
Focus=-6.071
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.658 -6.031 -4.525
T123=14.8 15.2 16.5
ALT/AZ=56.3 -54.2
fwAVG=1.89
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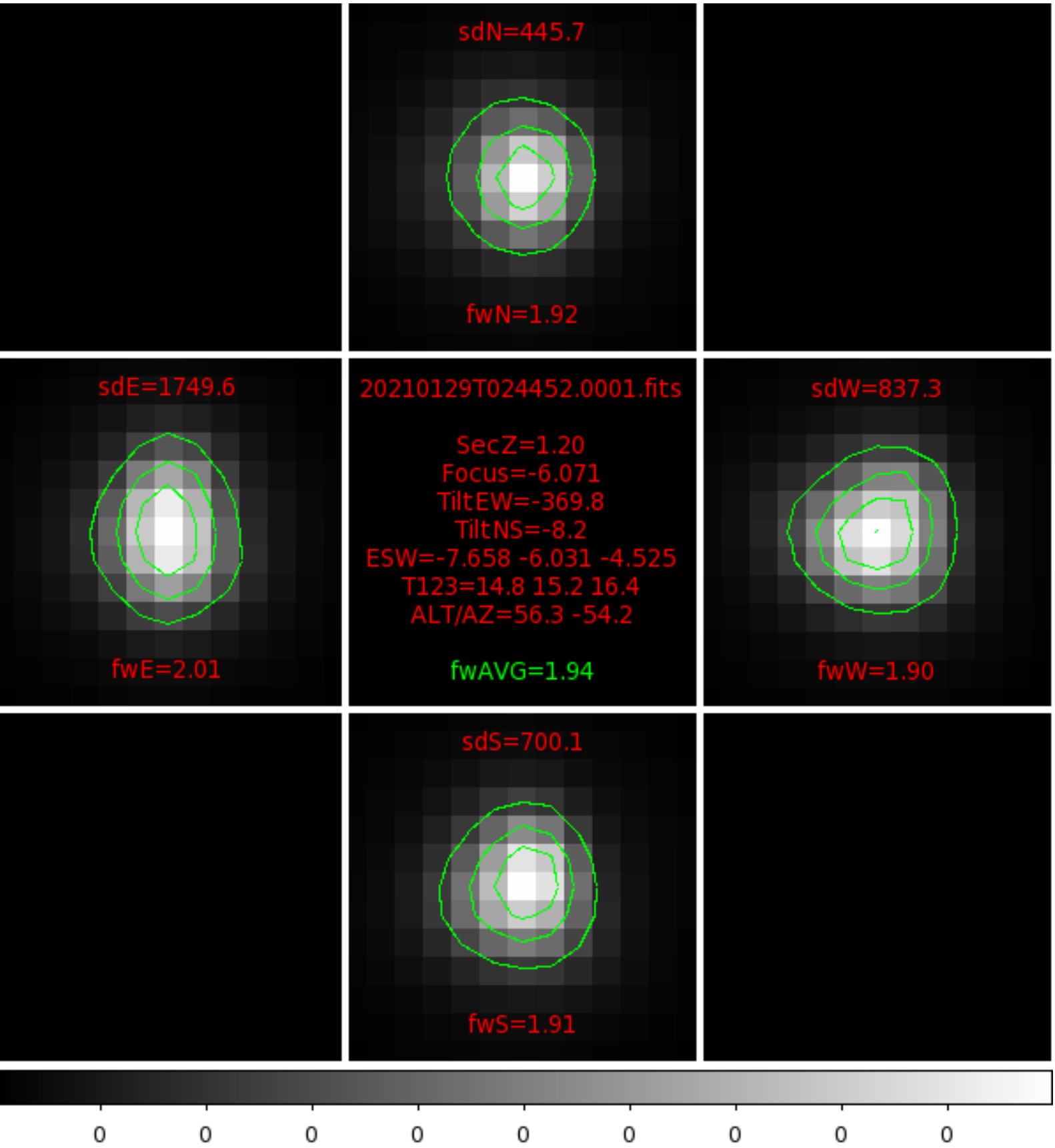
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SecZ=1.20
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.658 -6.031 -4.525
T123=14.8 15.2 16.4
ALT/AZ=56.3 -54.2
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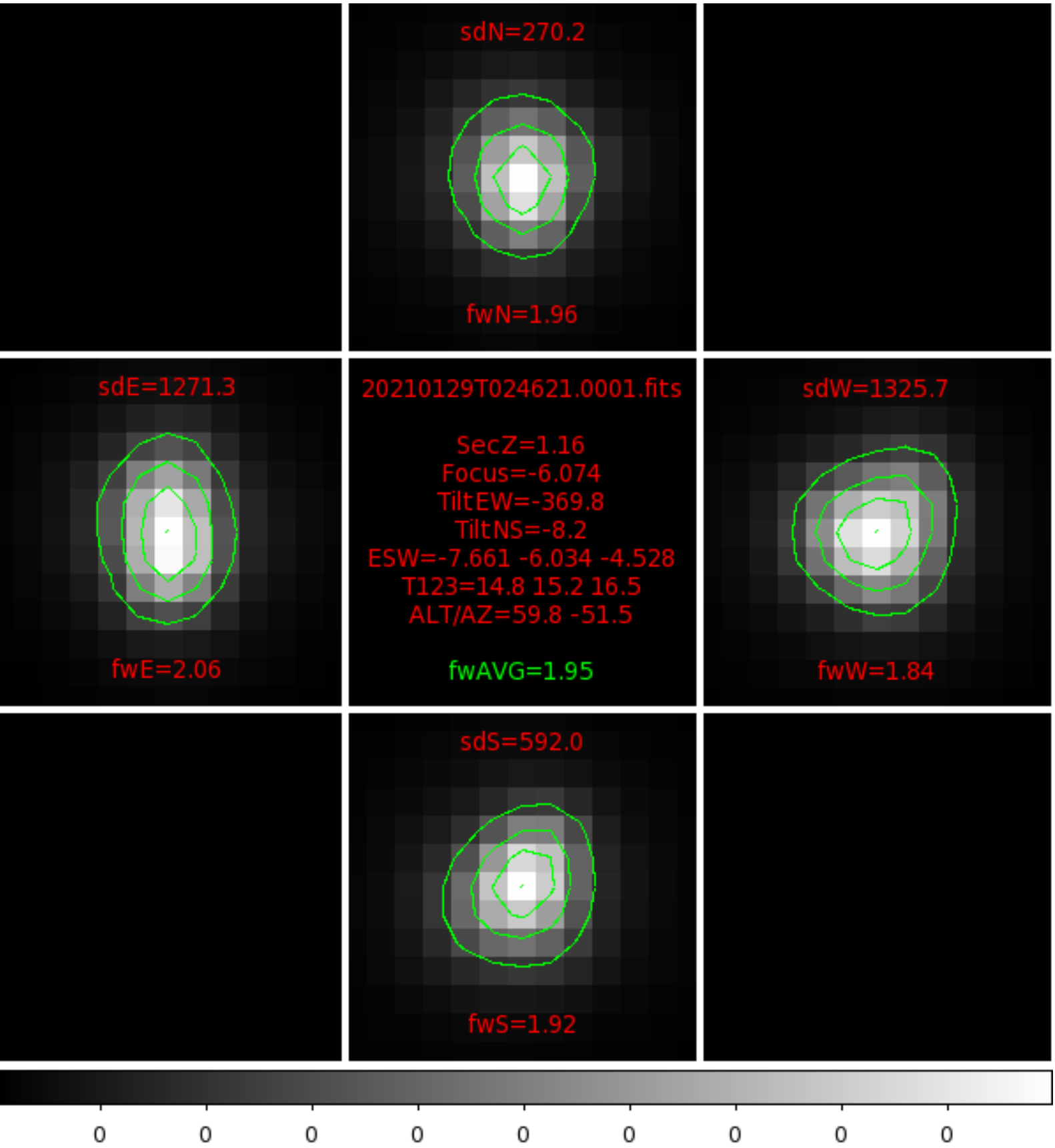
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SecZ=1.16
Focus=-6.074
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.661 -6.034 -4.528
T123=14.8 15.2 16.5
ALT/AZ=59.8 -51.5
fwAVG=1.95
sdW=1325.7
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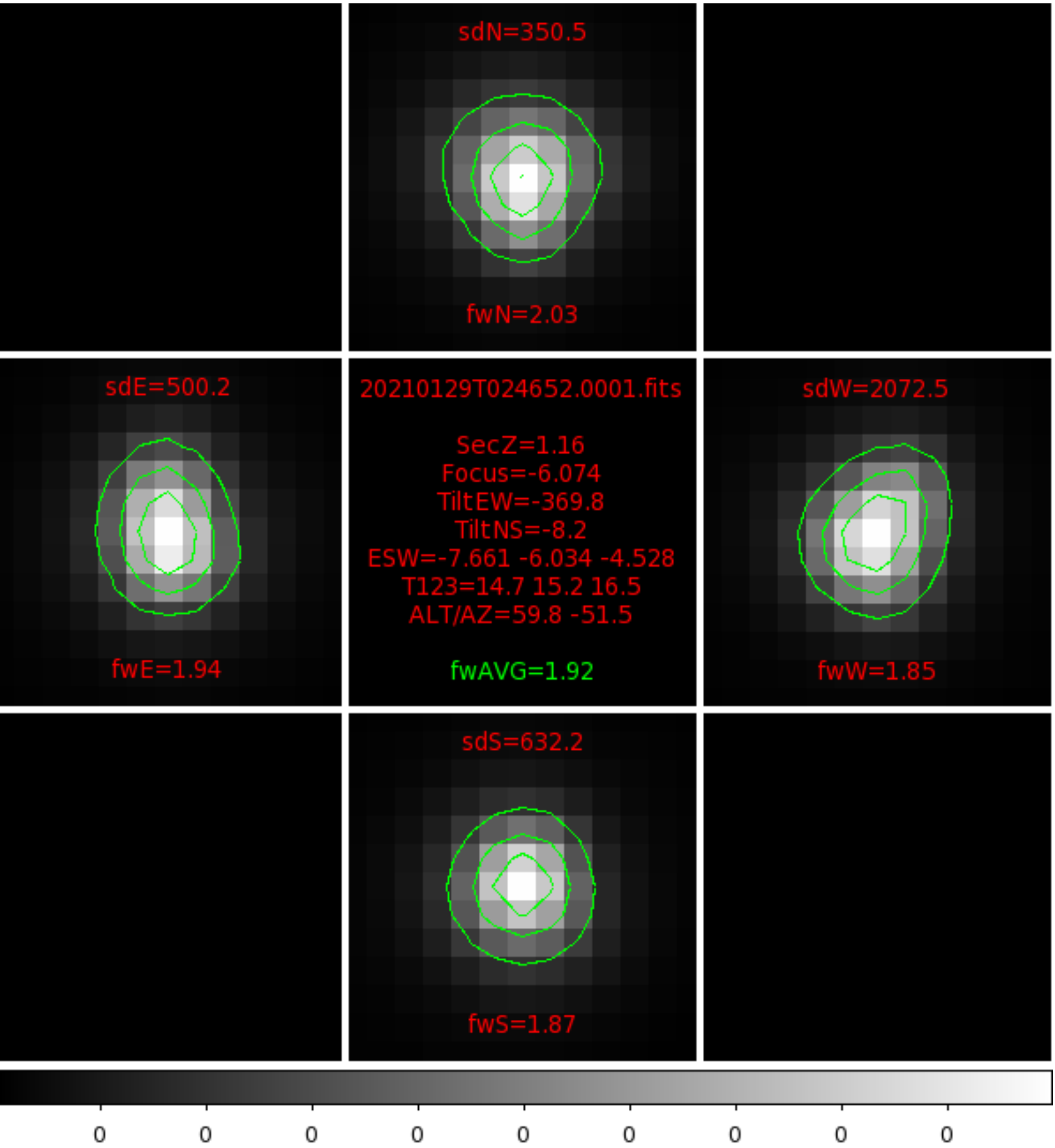
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SecZ=1.16
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.661 -6.034 -4.528
T123=14.7 15.2 16.5
ALT/AZ=59.8 -51.5
fwAVG=1.92
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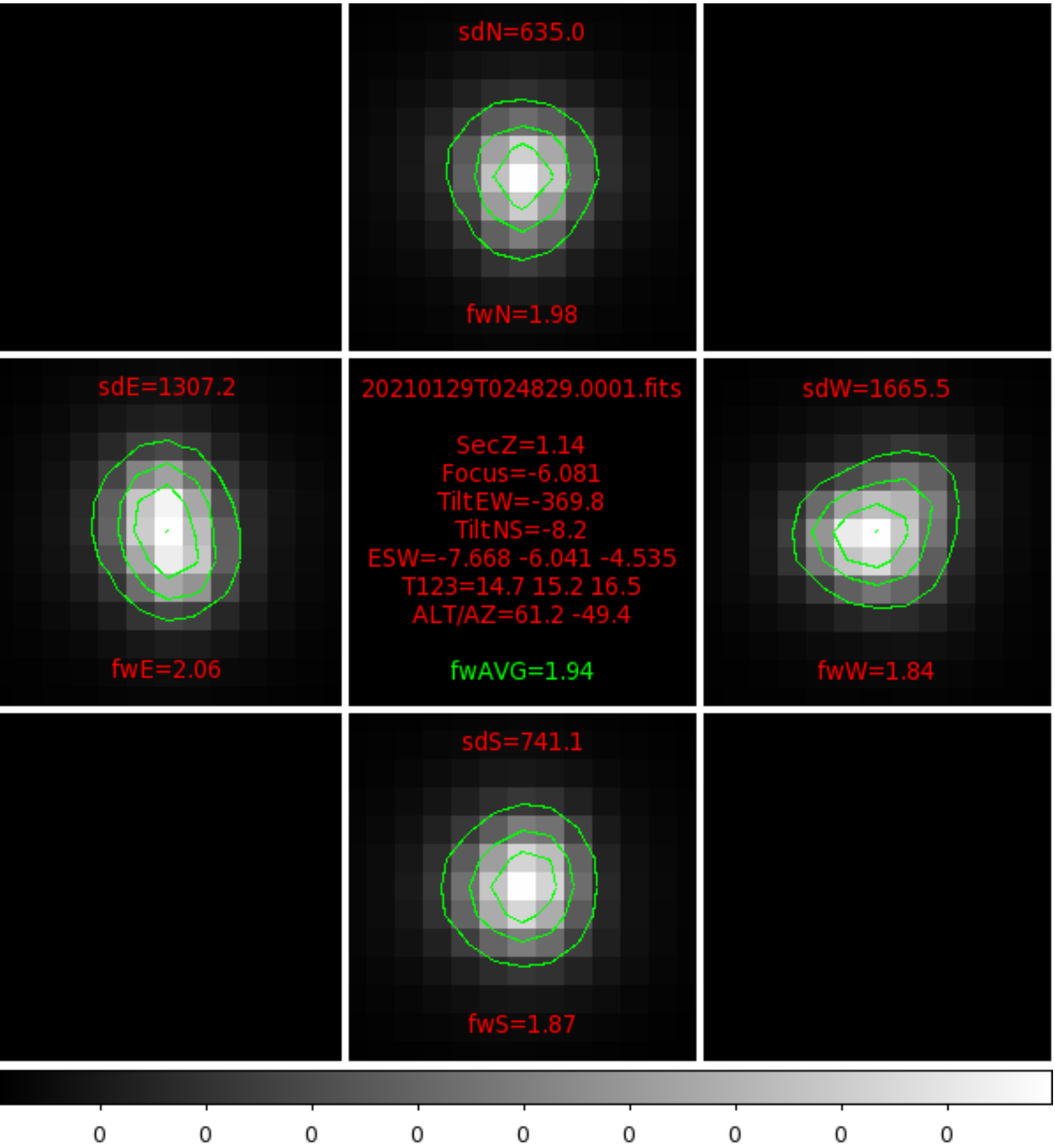
sdN=635.0
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20210129T024829.0001.fits
SecZ=1.14
Focus=-6.081
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.668 -6.041 -4.535
T123=14.7 15.2 16.5
ALT/AZ=61.2 -49.4
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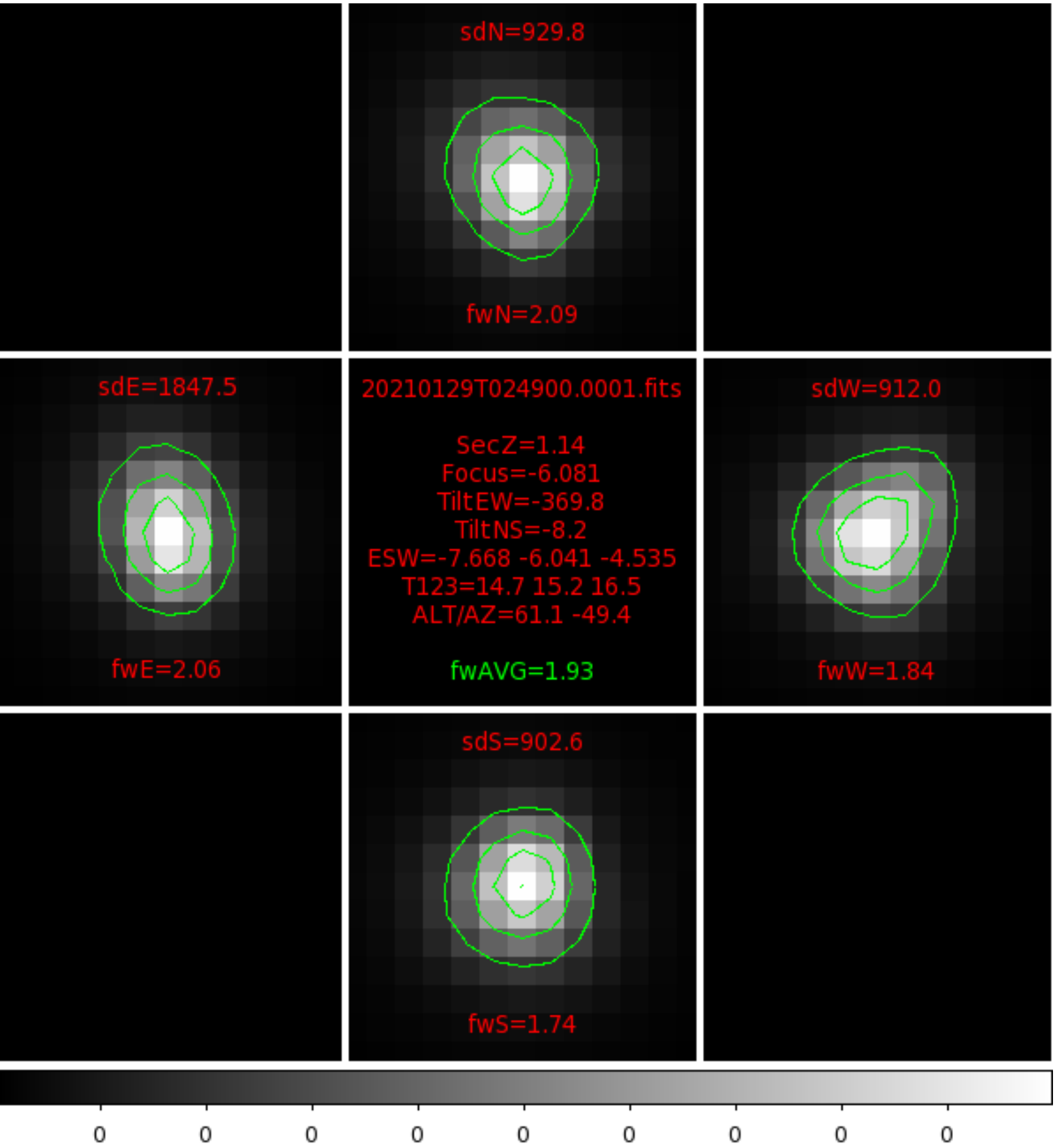
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TiltNS=-8.2
ESW=-7.668 -6.041 -4.535
T123=14.7 15.2 16.5
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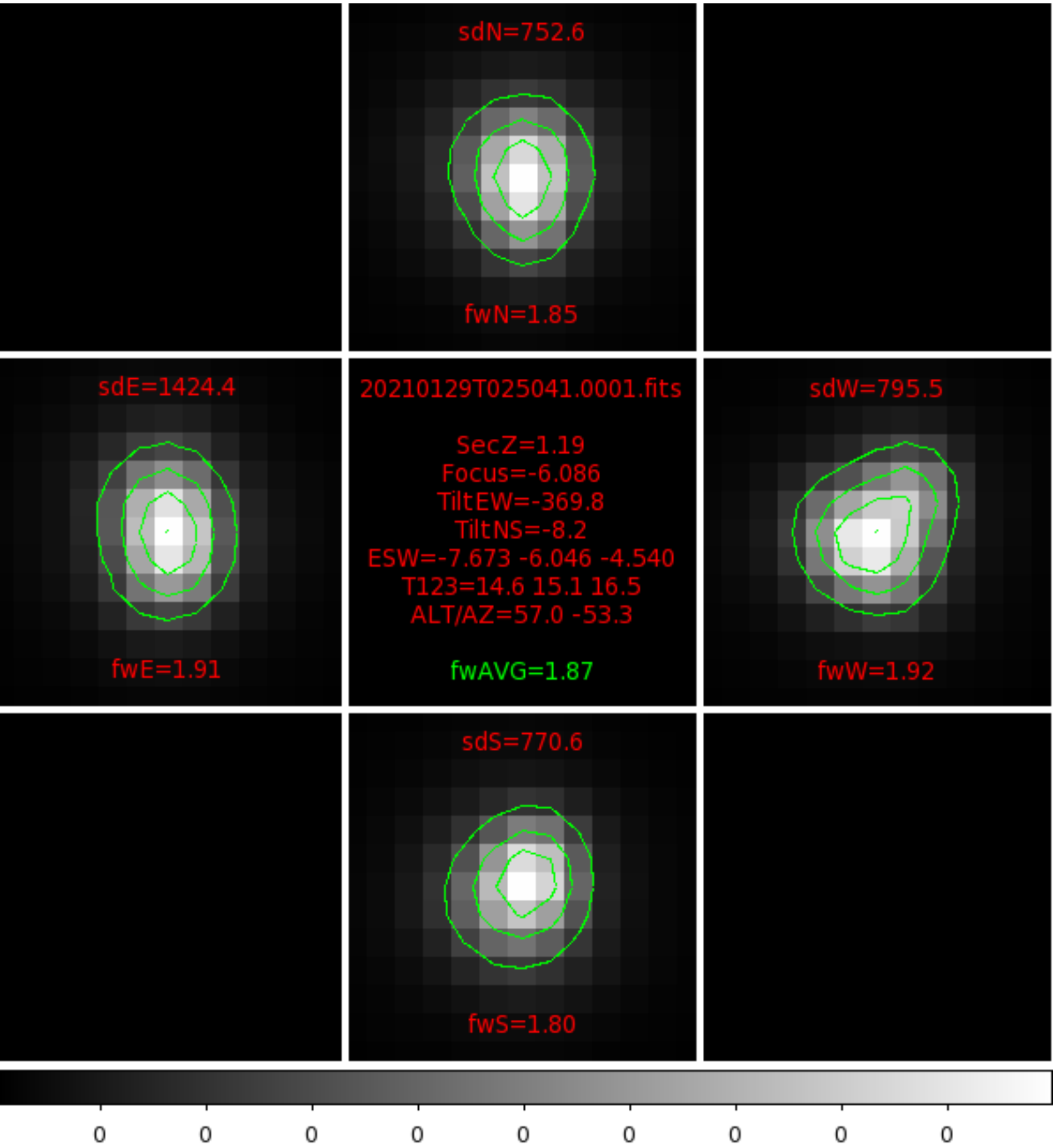
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TiltNS=-8.2
ESW=-7.673 -6.046 -4.540
T123=14.6 15.1 16.5
ALT/AZ=57.0 -53.3
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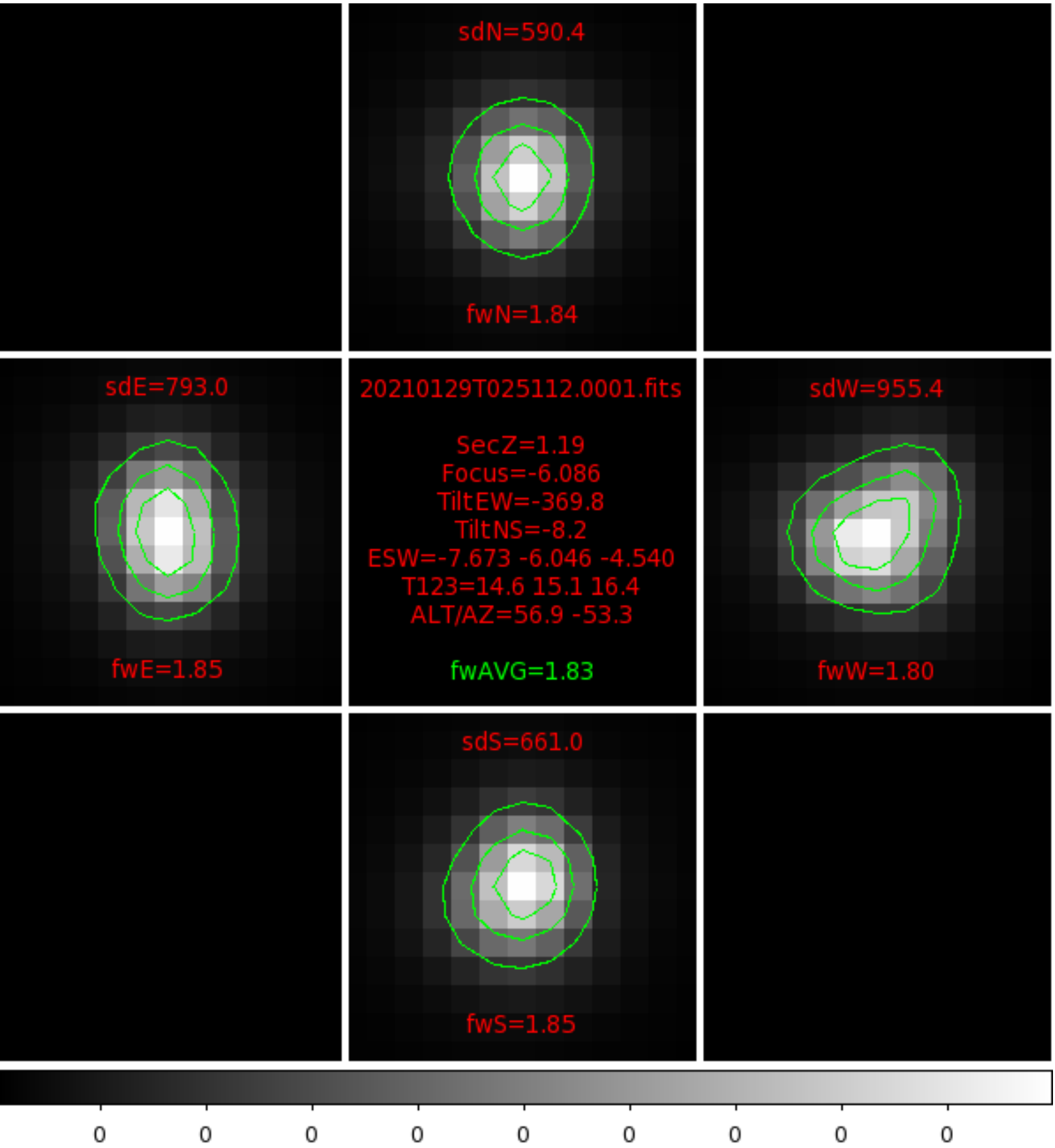
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TiltNS=-8.2
ESW=-7.673 -6.046 -4.540
T123=14.6 15.1 16.4
ALT/AZ=56.9 -53.3
fwAVG=1.83
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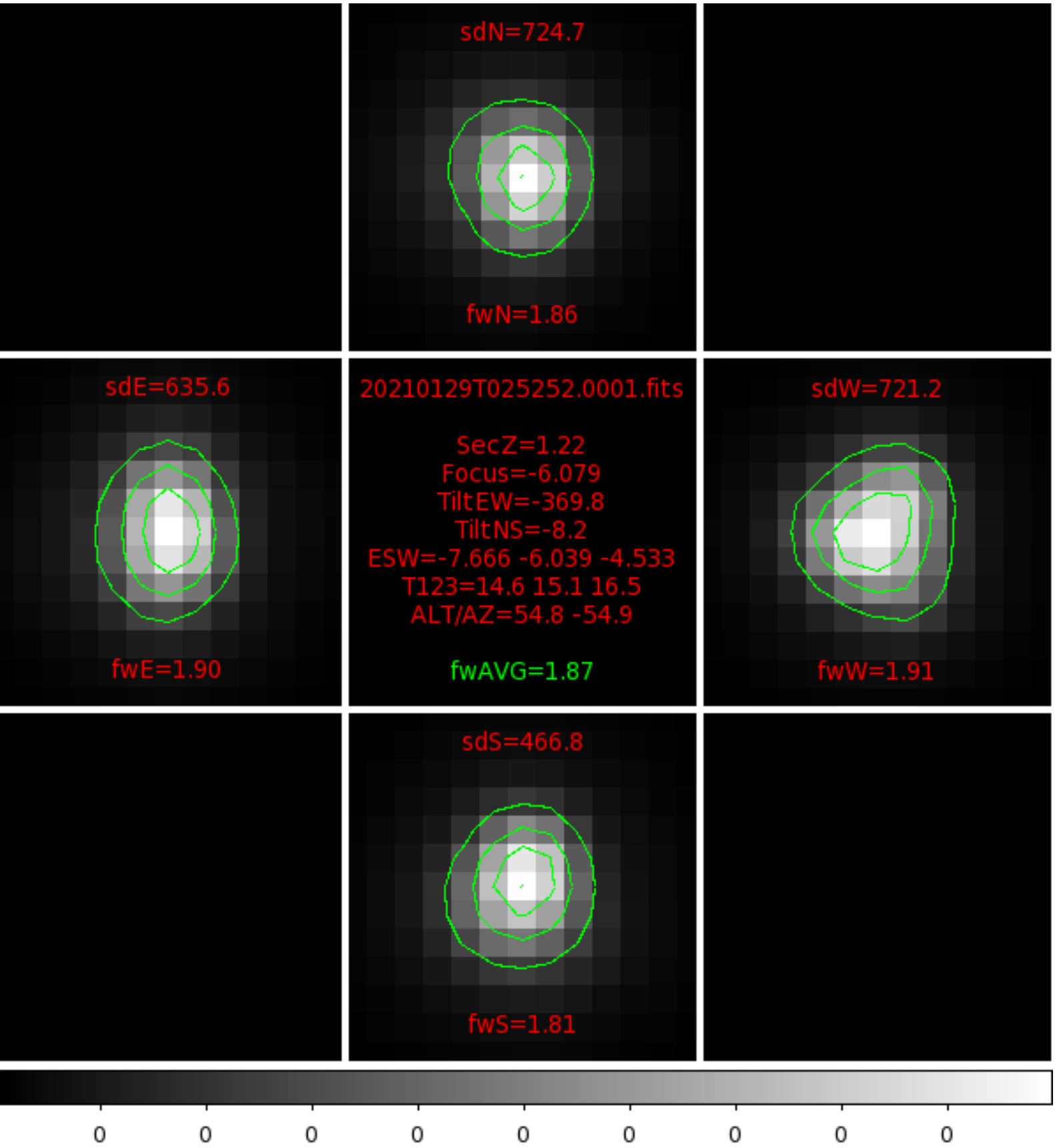
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Focus=-6.079
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.666 -6.039 -4.533
T123=14.6 15.1 16.5
ALT/AZ=54.8 -54.9
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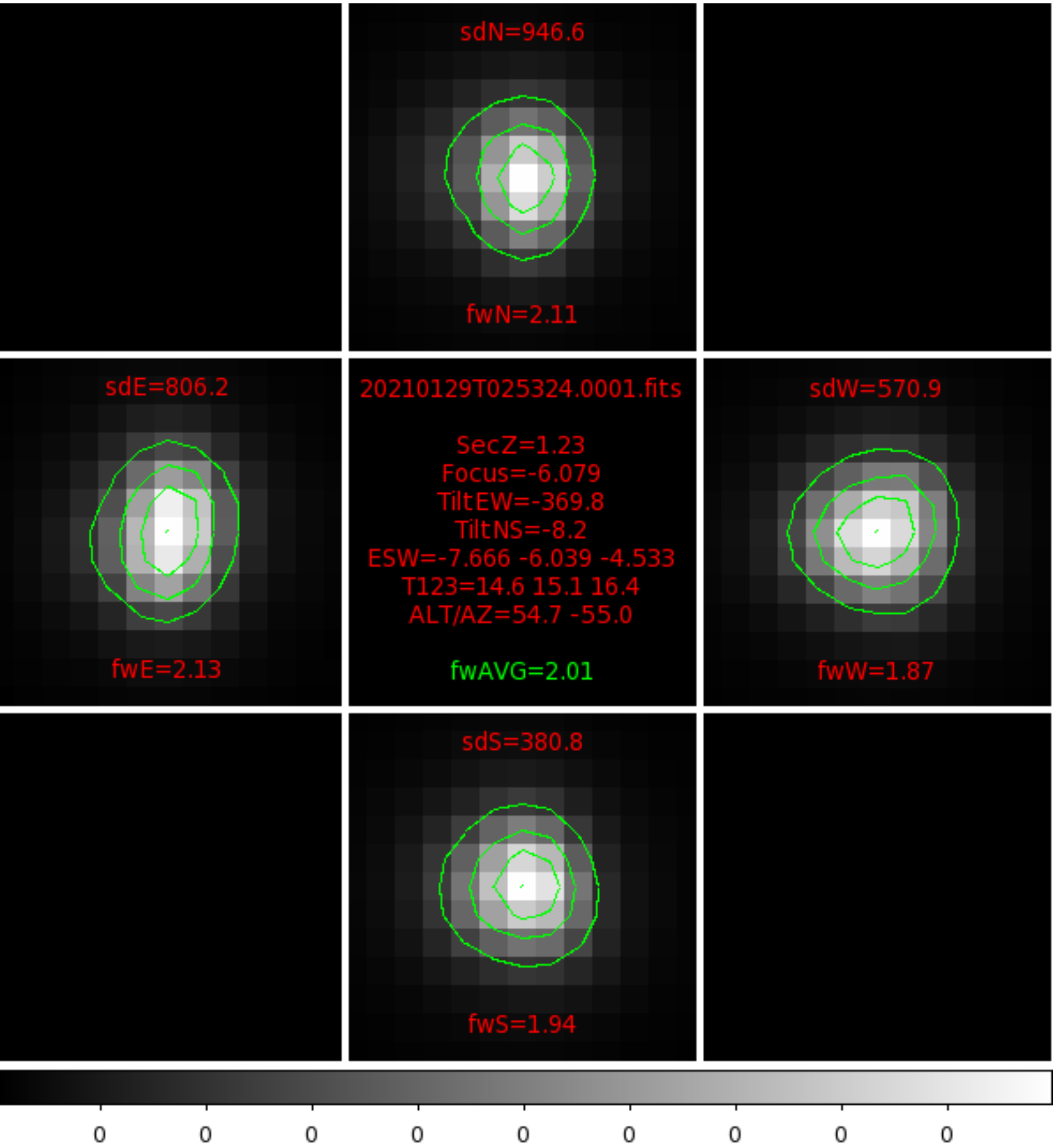
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TiltNS=-8.2
ESW=-7.666 -6.039 -4.533
T123=14.6 15.1 16.4
ALT/AZ=54.7 -55.0
fwAVG=2.01
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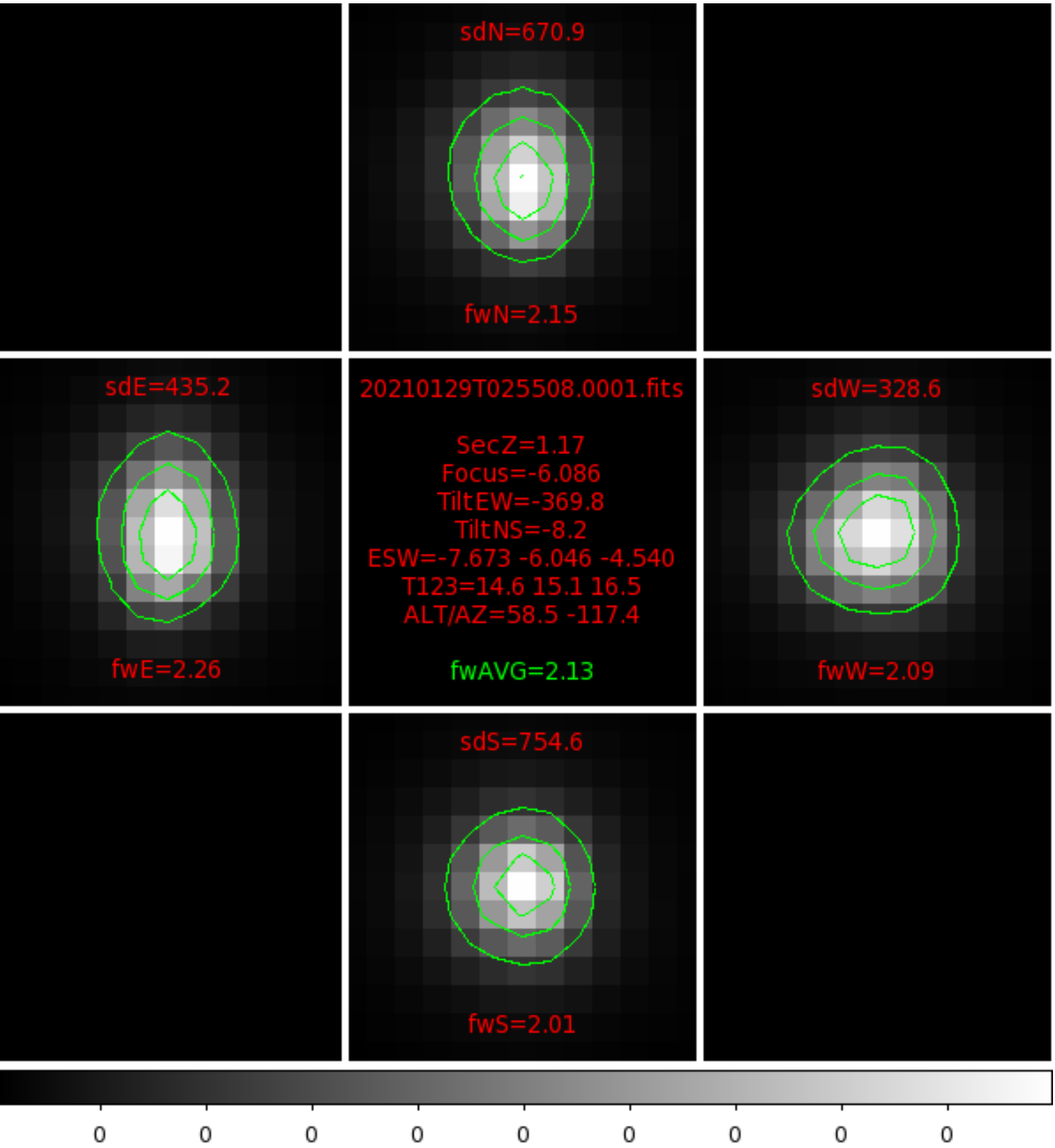
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TiltNS=-8.2
ESW=-7.673 -6.046 -4.540
T123=14.6 15.1 16.5
ALT/AZ=58.5 -117.4
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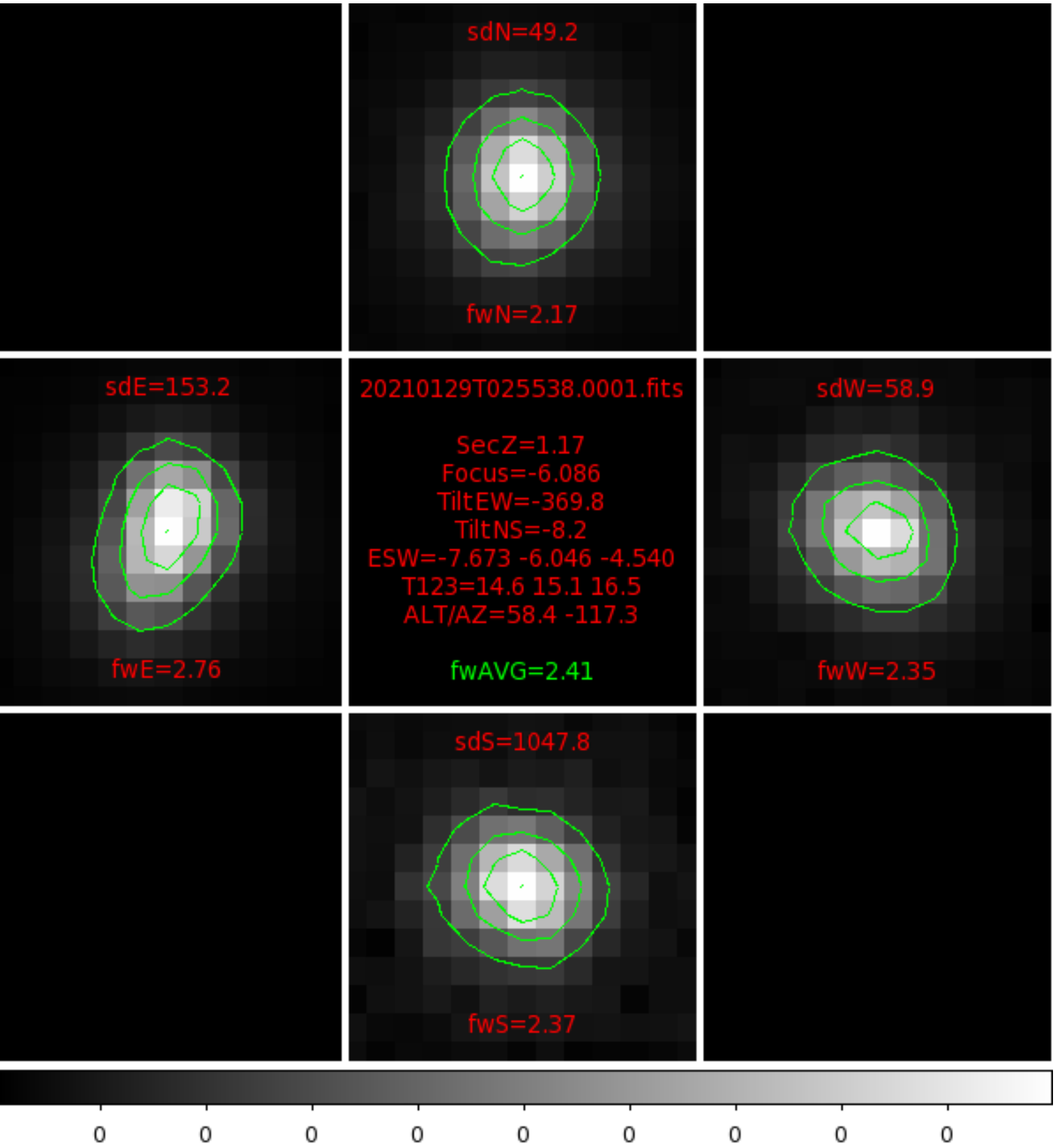
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SecZ=1.17
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.673 -6.046 -4.540
T123=14.6 15.1 16.5
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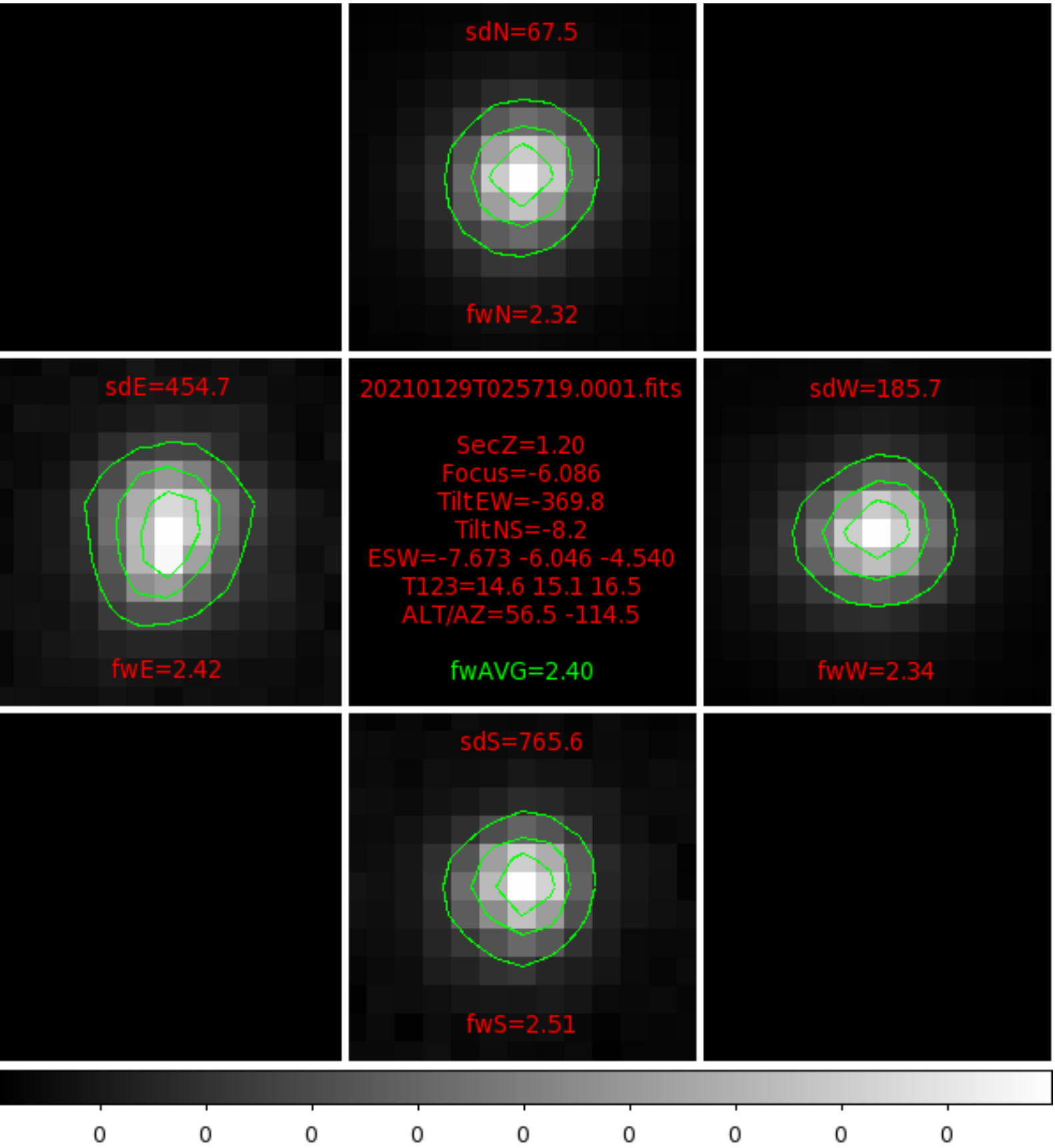
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SecZ=1.20
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TiltNS=-8.2
ESW=-7.673 -6.046 -4.540
T123=14.6 15.1 16.5
ALT/AZ=56.5 -114.5
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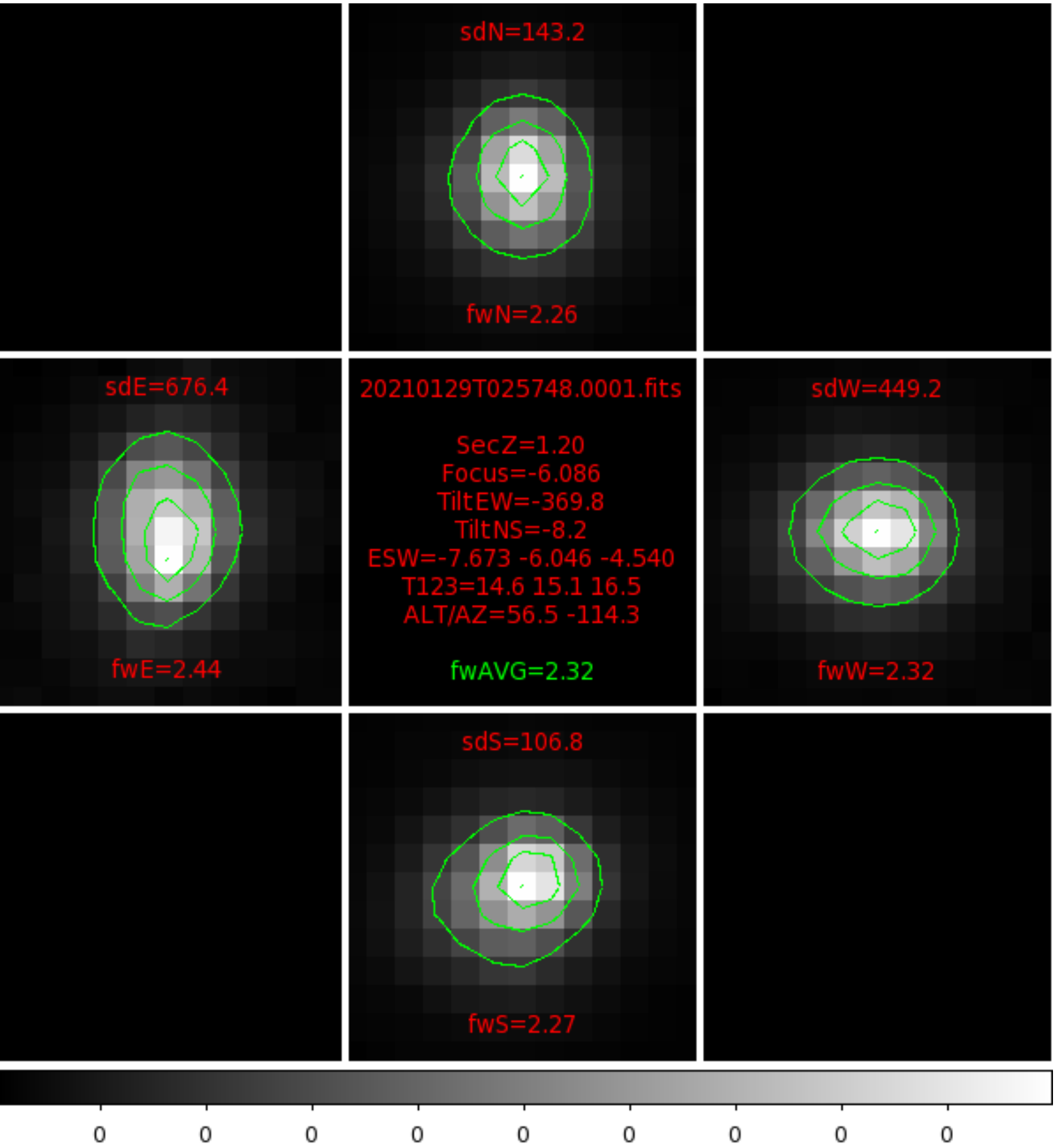
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SecZ=1.20
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ESW=-7.673 -6.046 -4.540
T123=14.6 15.1 16.5
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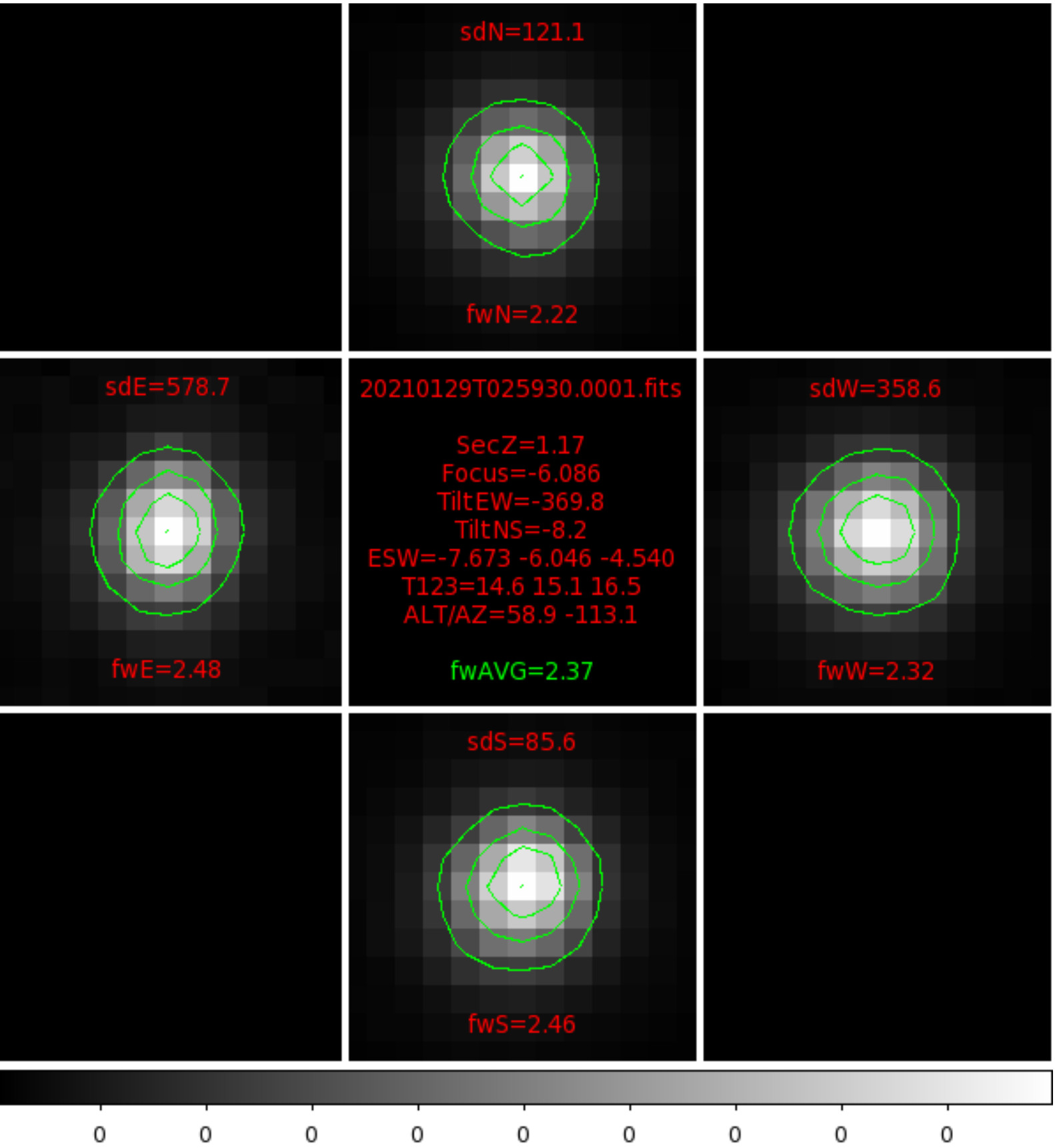
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ESW=-7.673 -6.046 -4.540
T123=14.6 15.1 16.5
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fwAVG=2.37
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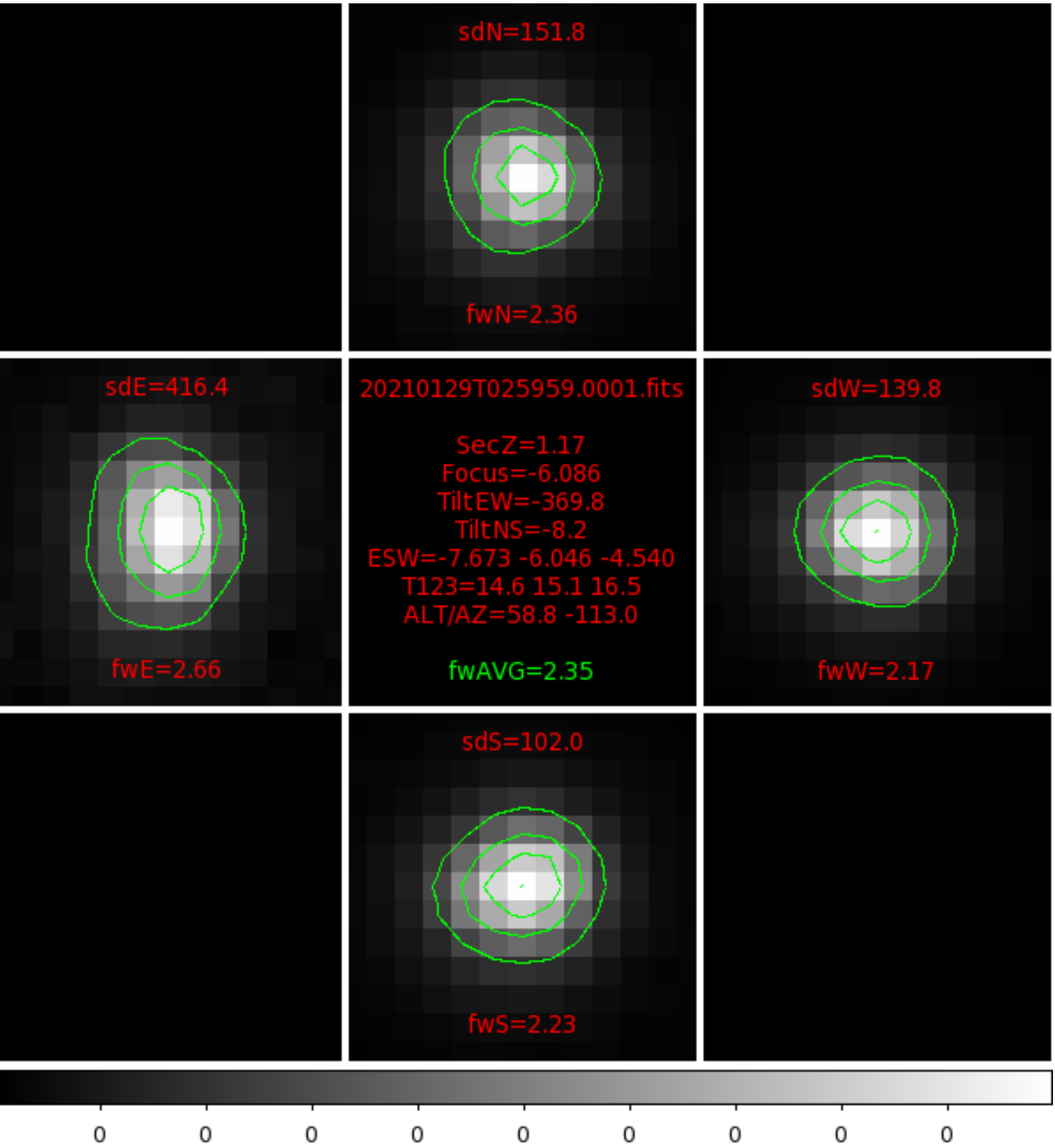
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SecZ=1.17
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.673 -6.046 -4.540
T123=14.6 15.1 16.5
ALT/AZ=58.8 -113.0
fwAVG=2.35
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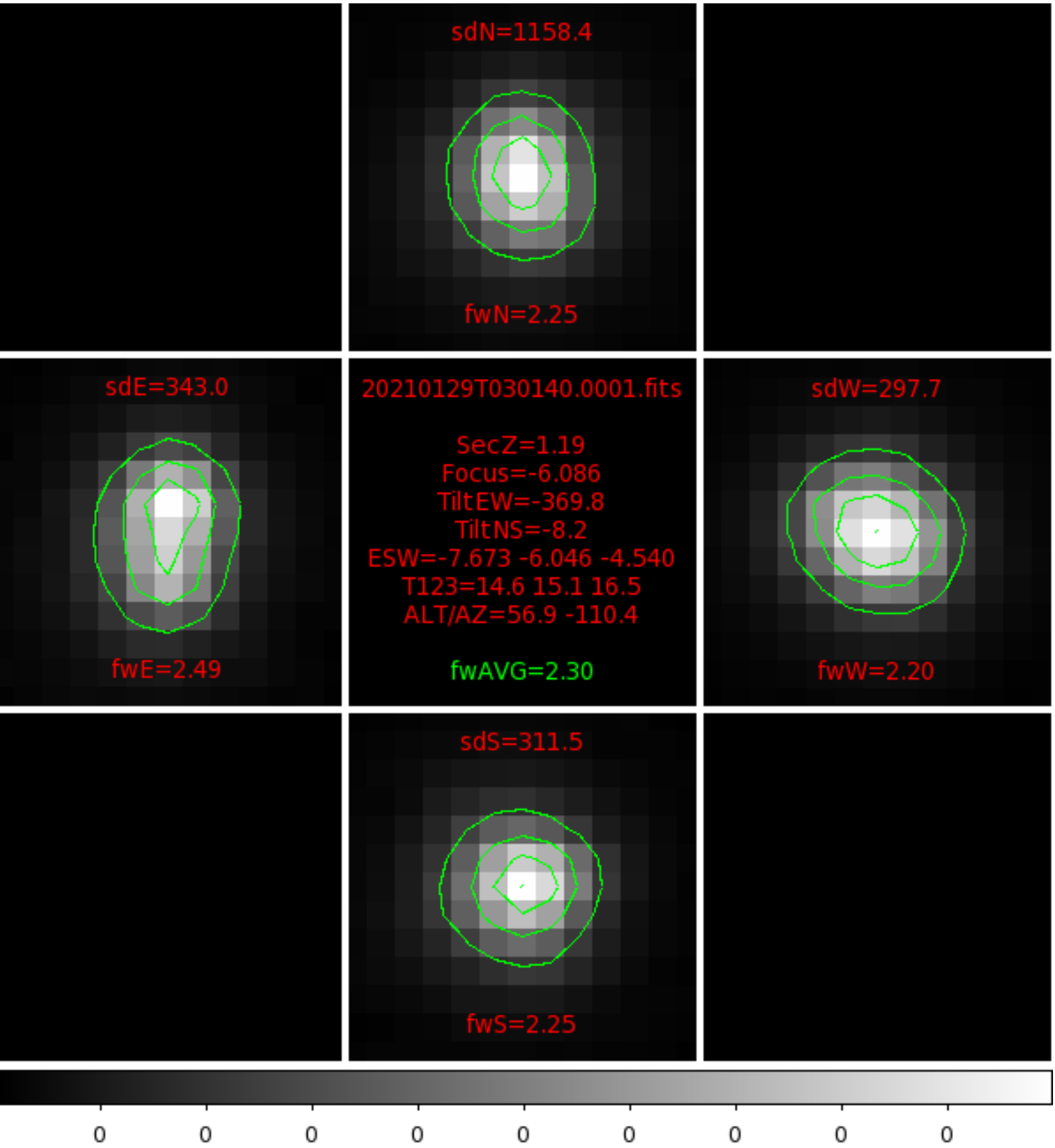
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TiltNS=-8.2
ESW=-7.673 -6.046 -4.540
T123=14.6 15.1 16.5
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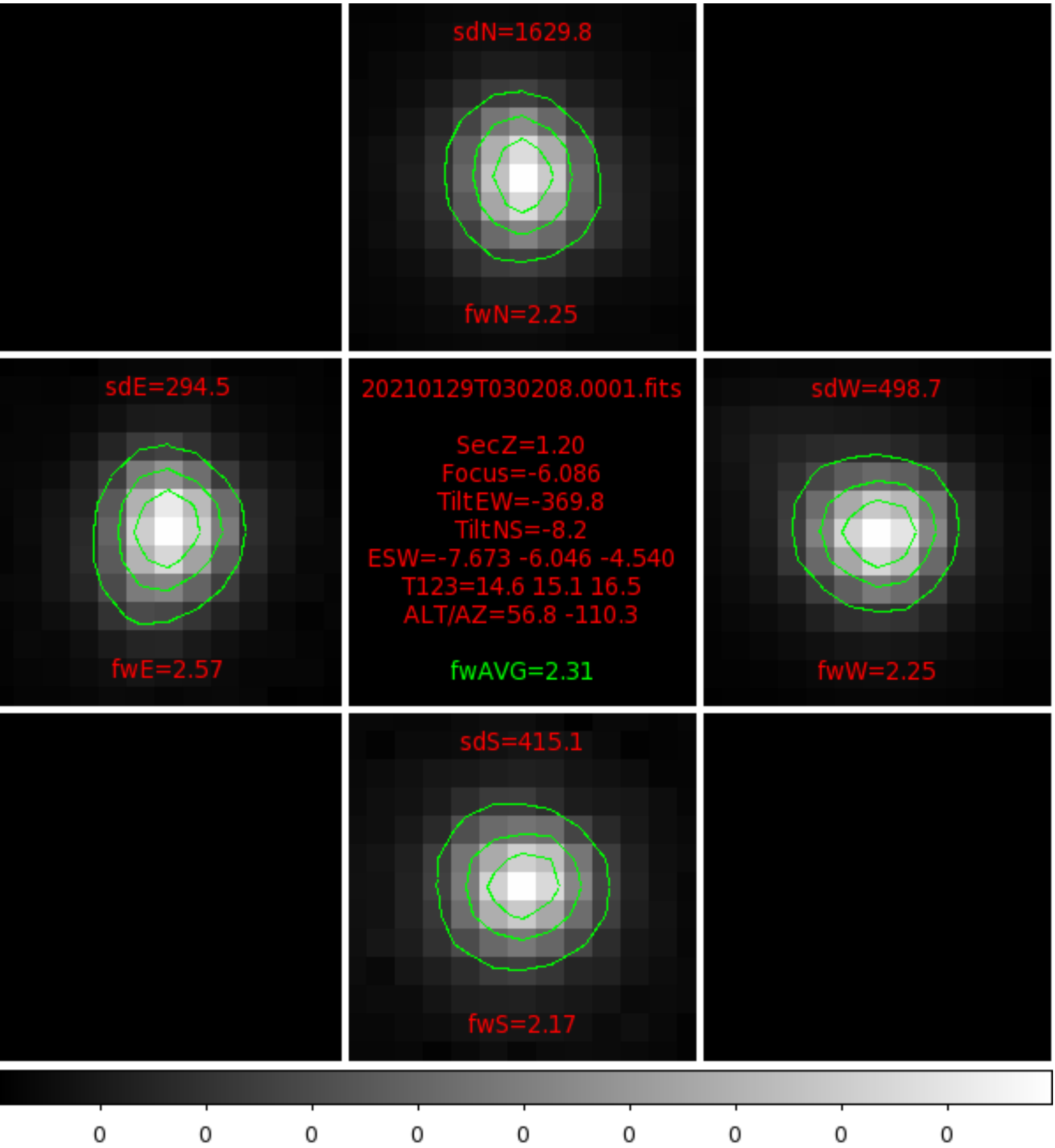
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SecZ=1.20
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.673 -6.046 -4.540
T123=14.6 15.1 16.5
ALT/AZ=56.8 -110.3
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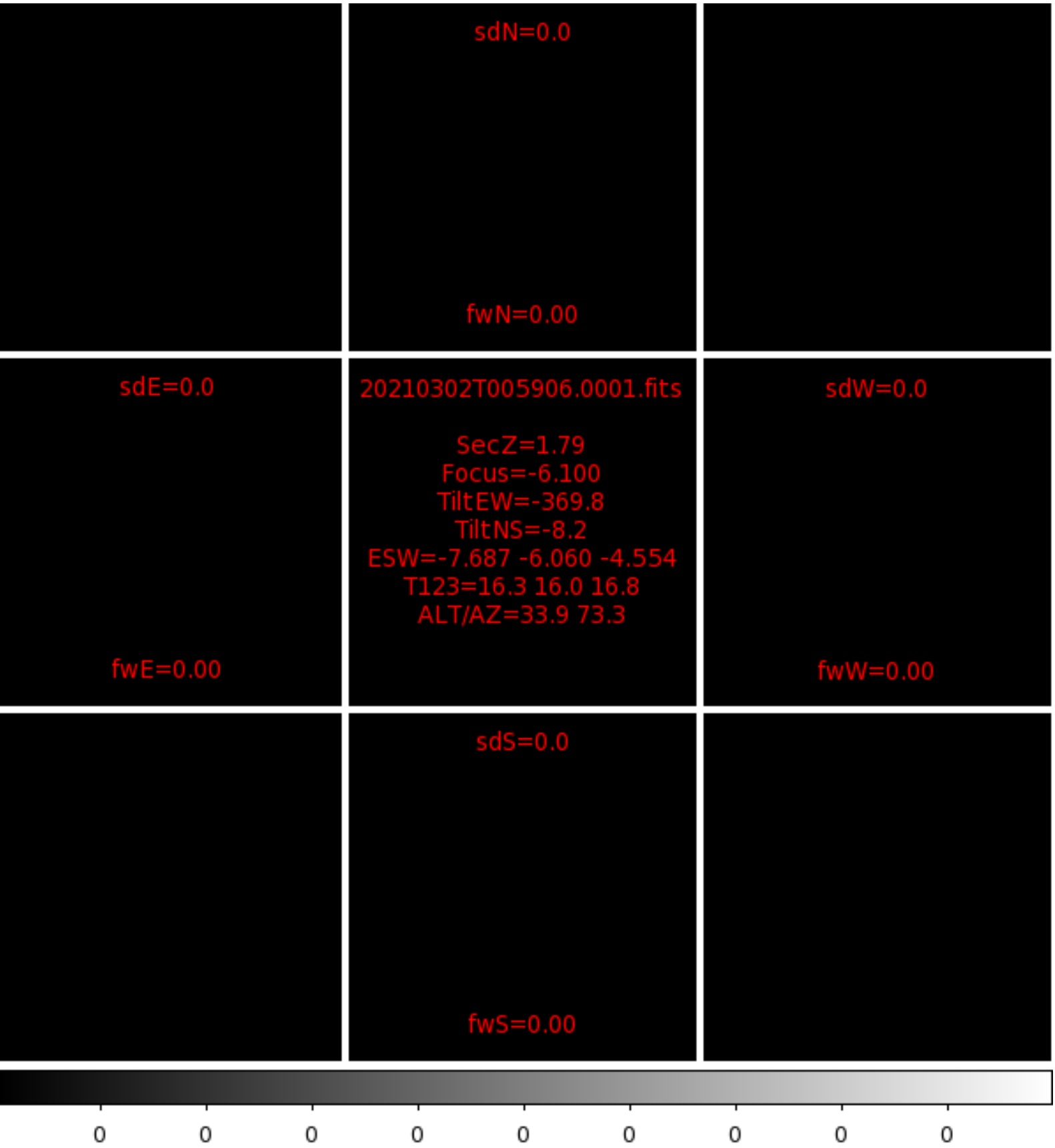
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ESW=-7.687 -6.060 -4.554
T123=16.3 16.0 16.8
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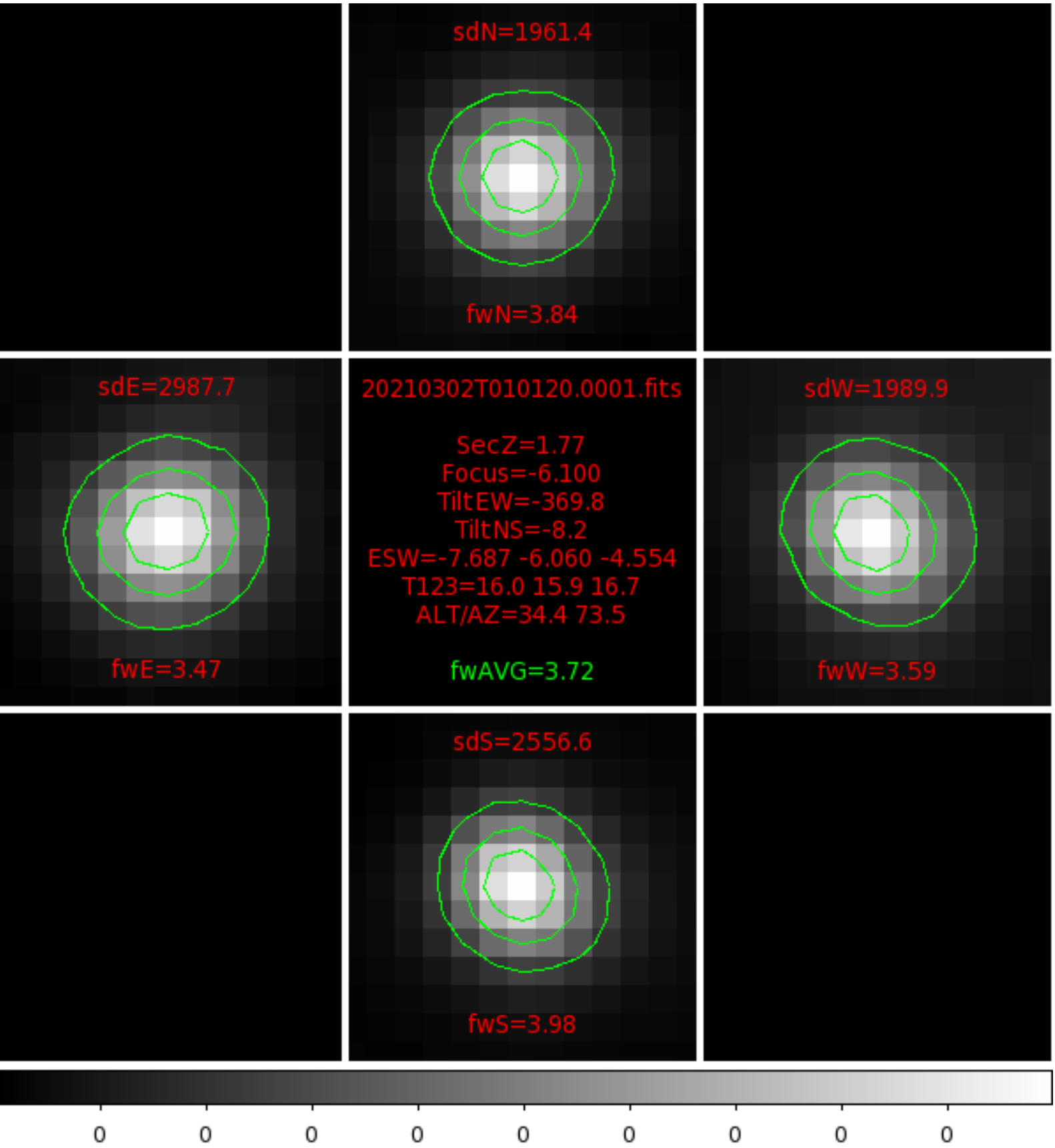
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TiltNS=-8.2
ESW=-7.687 -6.060 -4.554
T123=16.0 15.9 16.7
ALT/AZ=34.4 73.5
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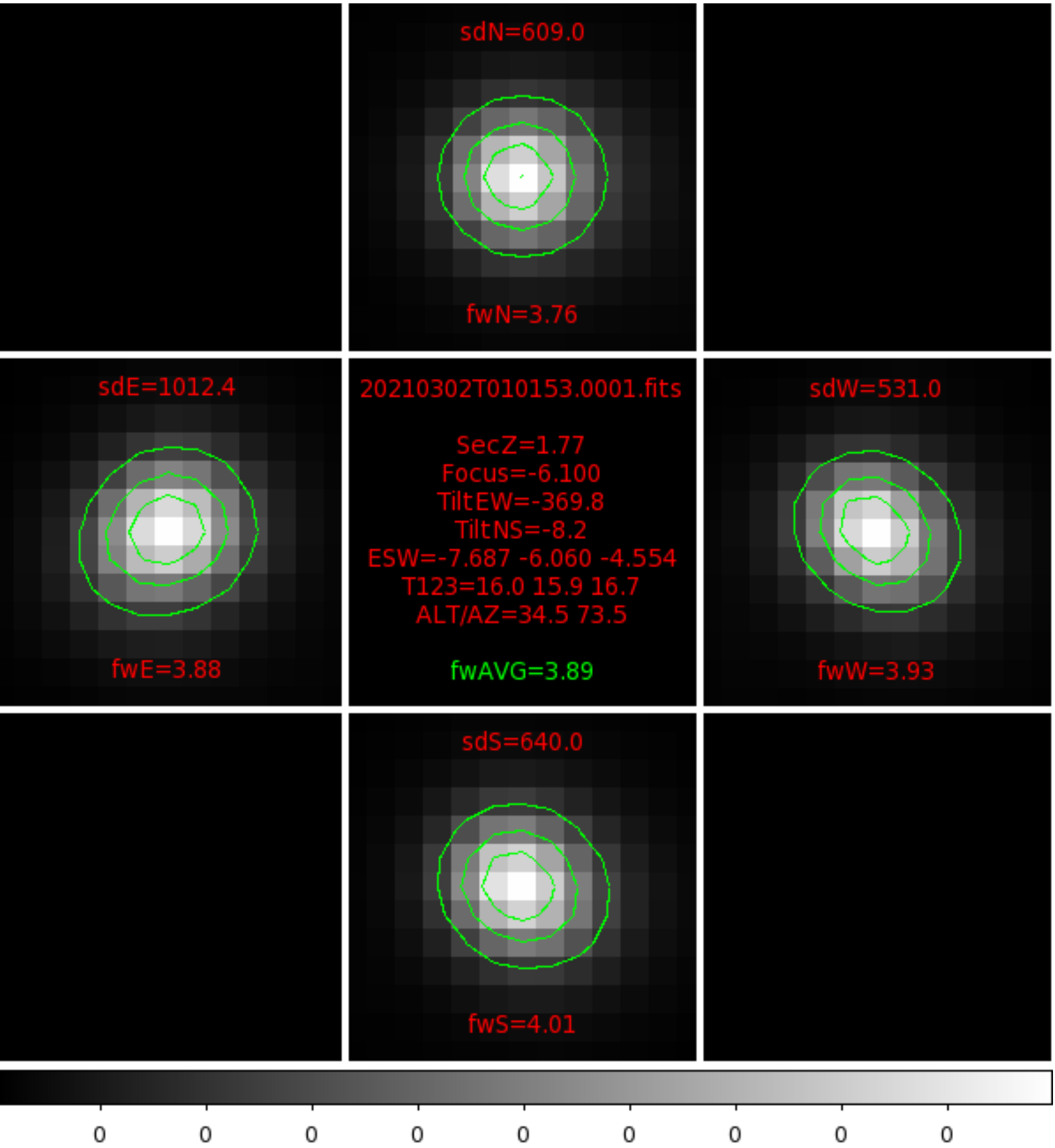
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SecZ=1.77
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ESW=-7.687 -6.060 -4.554
T123=16.0 15.9 16.7
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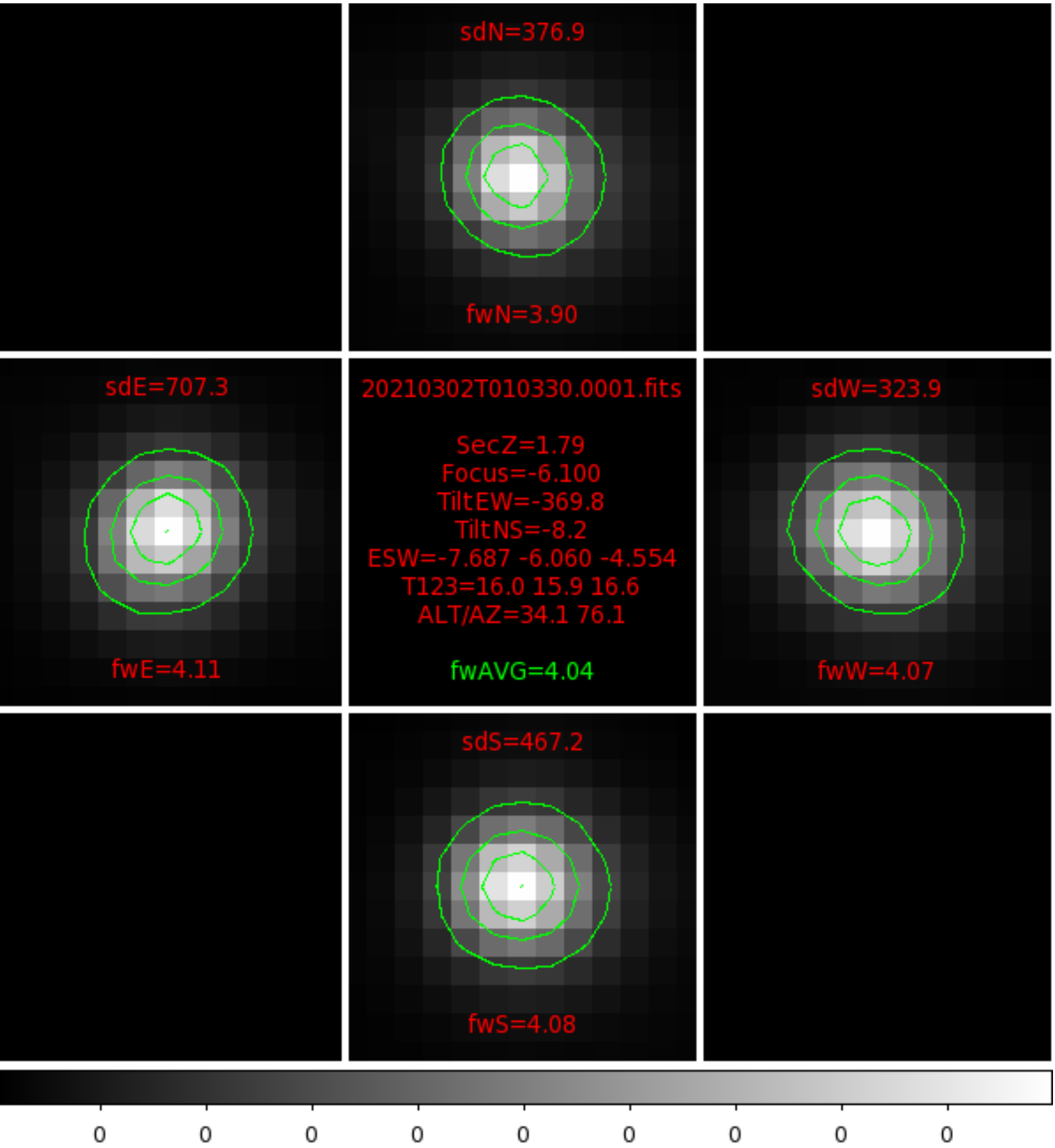
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TiltNS=-8.2
ESW=-7.687 -6.060 -4.554
T123=16.0 15.9 16.6
ALT/AZ=34.1 76.1
fwAVG=4.04
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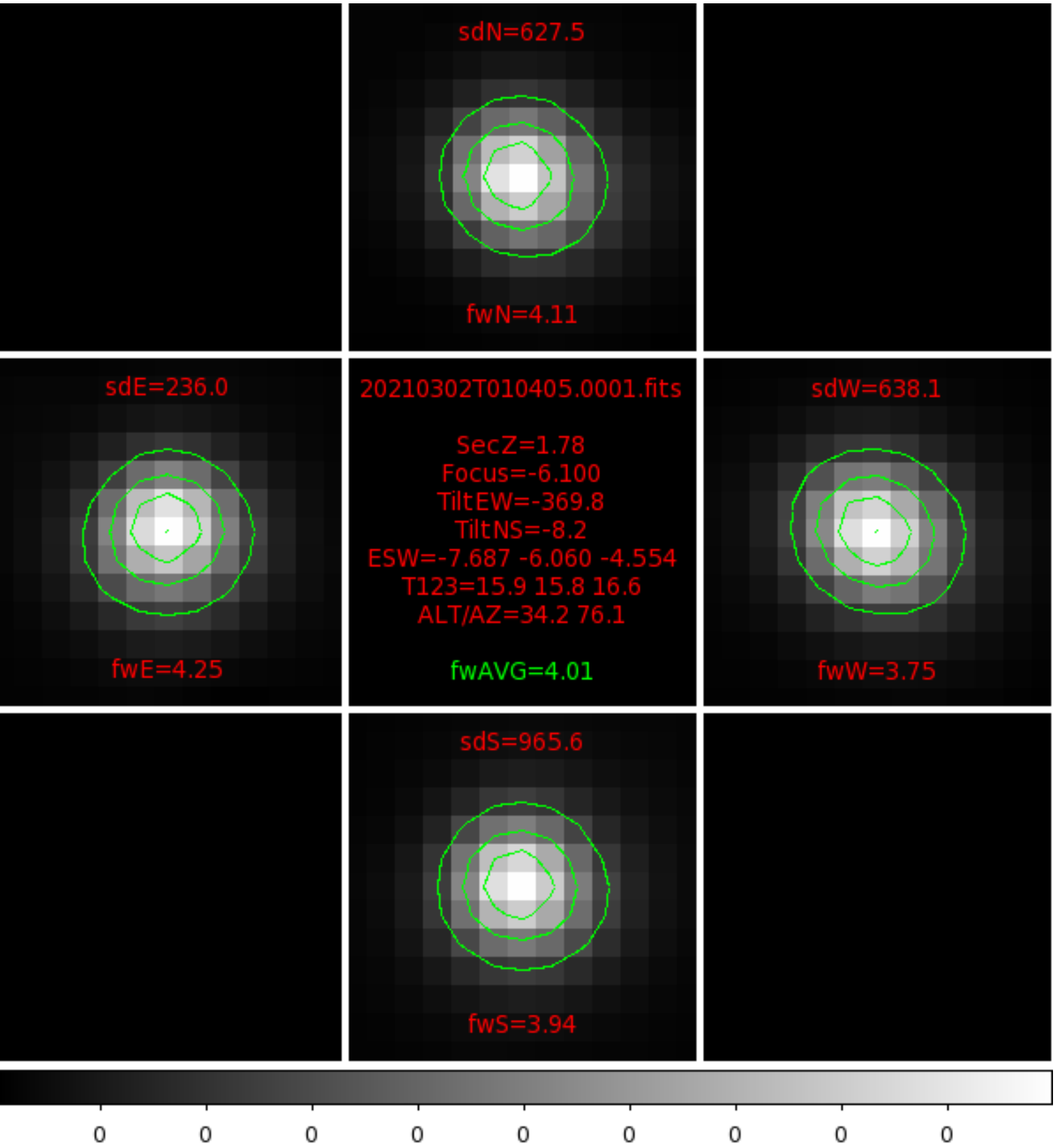
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T123=15.9 15.8 16.6
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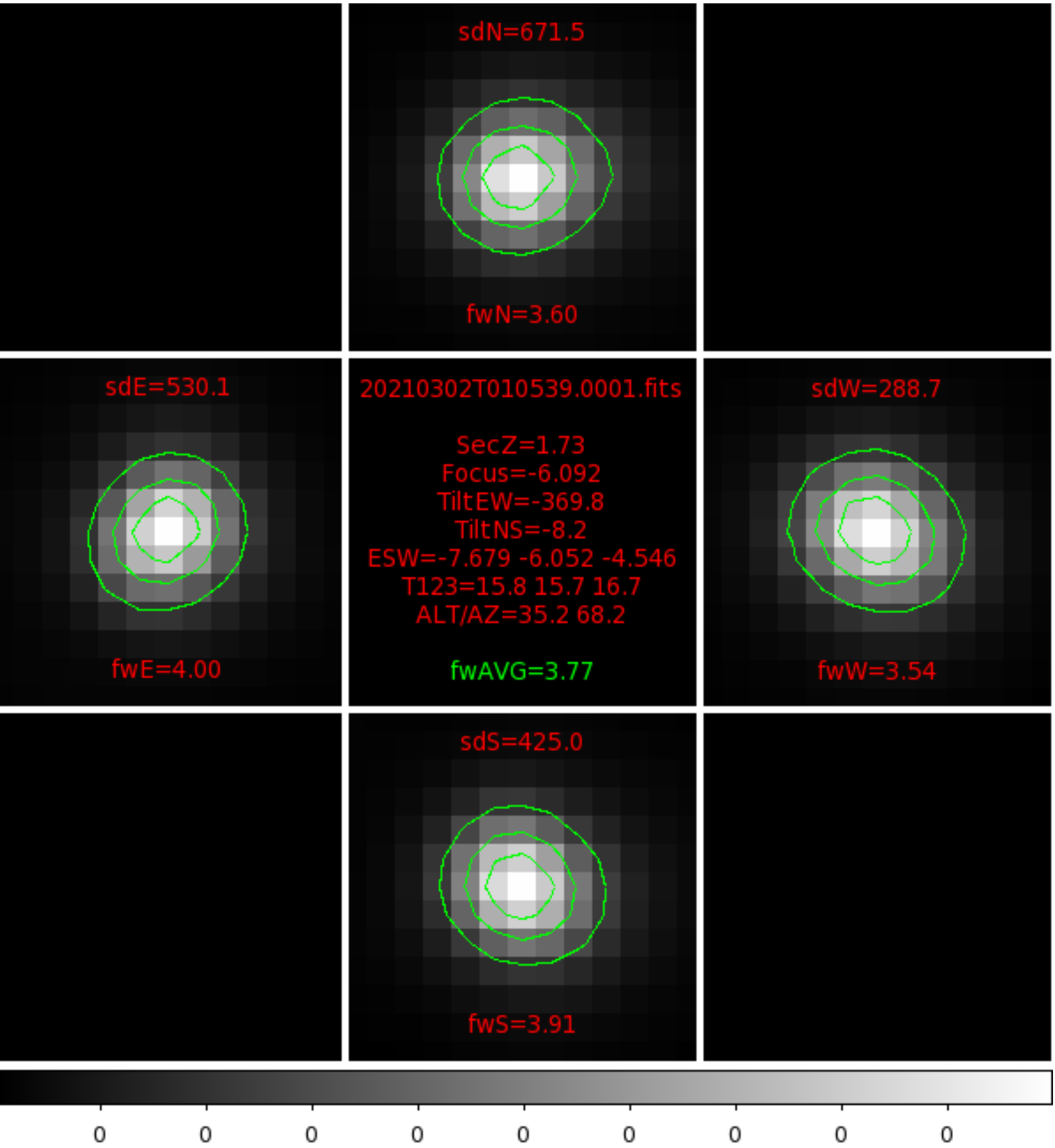
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TiltNS=-8.2
ESW=-7.679 -6.052 -4.546
T123=15.8 15.7 16.7
ALT/AZ=35.2 68.2
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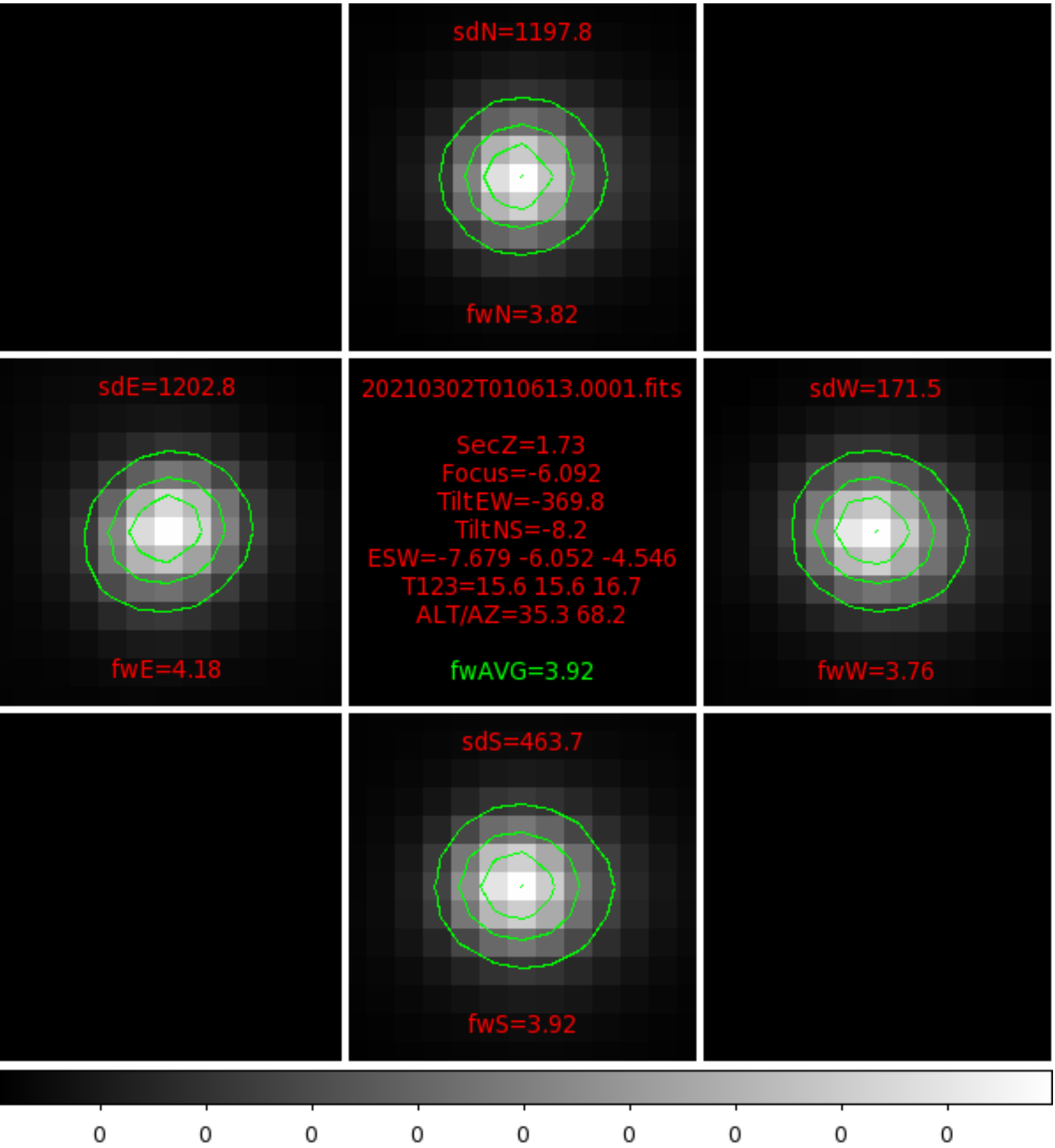
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SecZ=1.73
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TiltNS=-8.2
ESW=-7.679 -6.052 -4.546
T123=15.6 15.6 16.7
ALT/AZ=35.3 68.2
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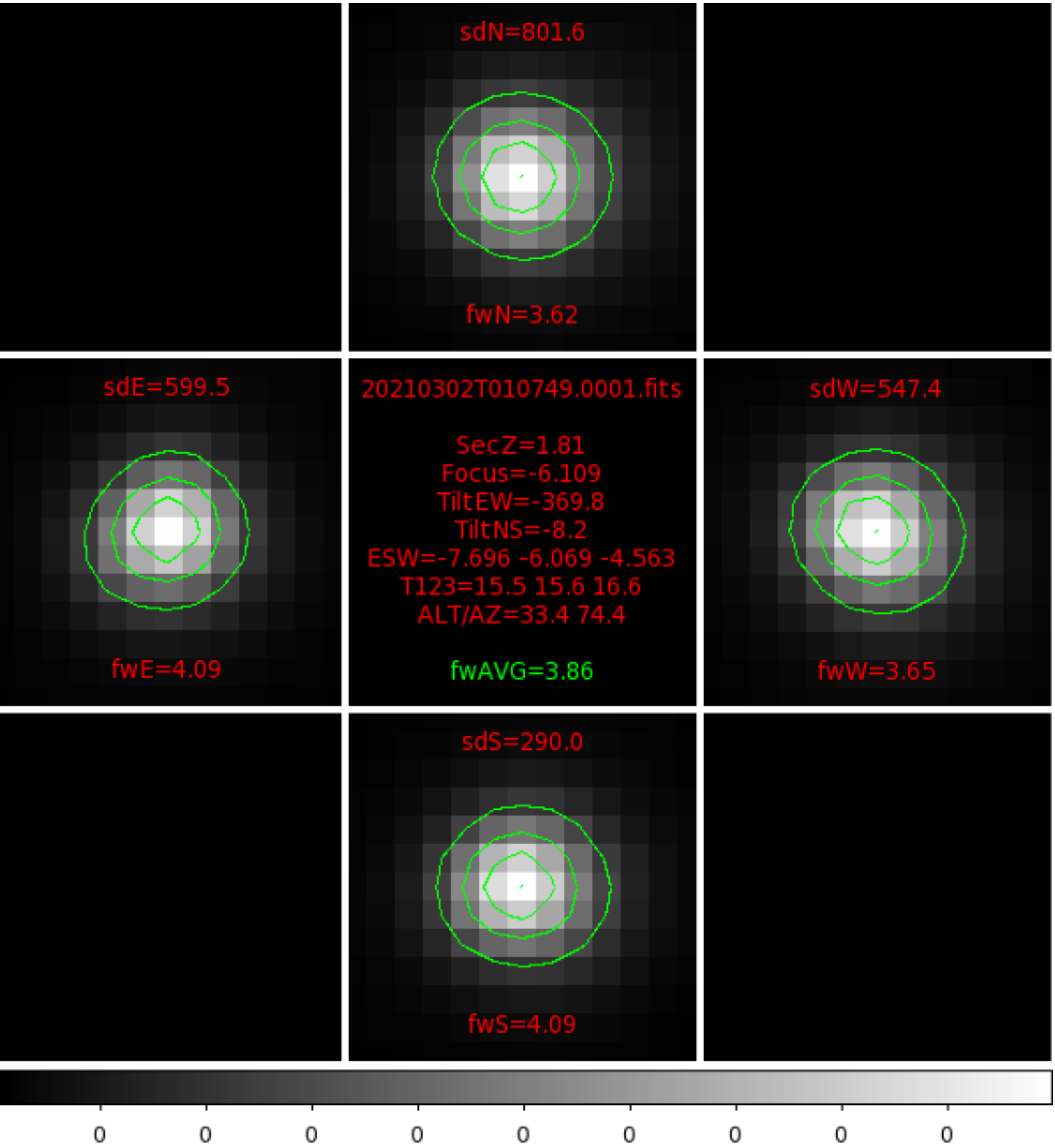
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SecZ=1.81
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=15.5 15.6 16.6
ALT/AZ=33.4 74.4
fwAVG=3.86
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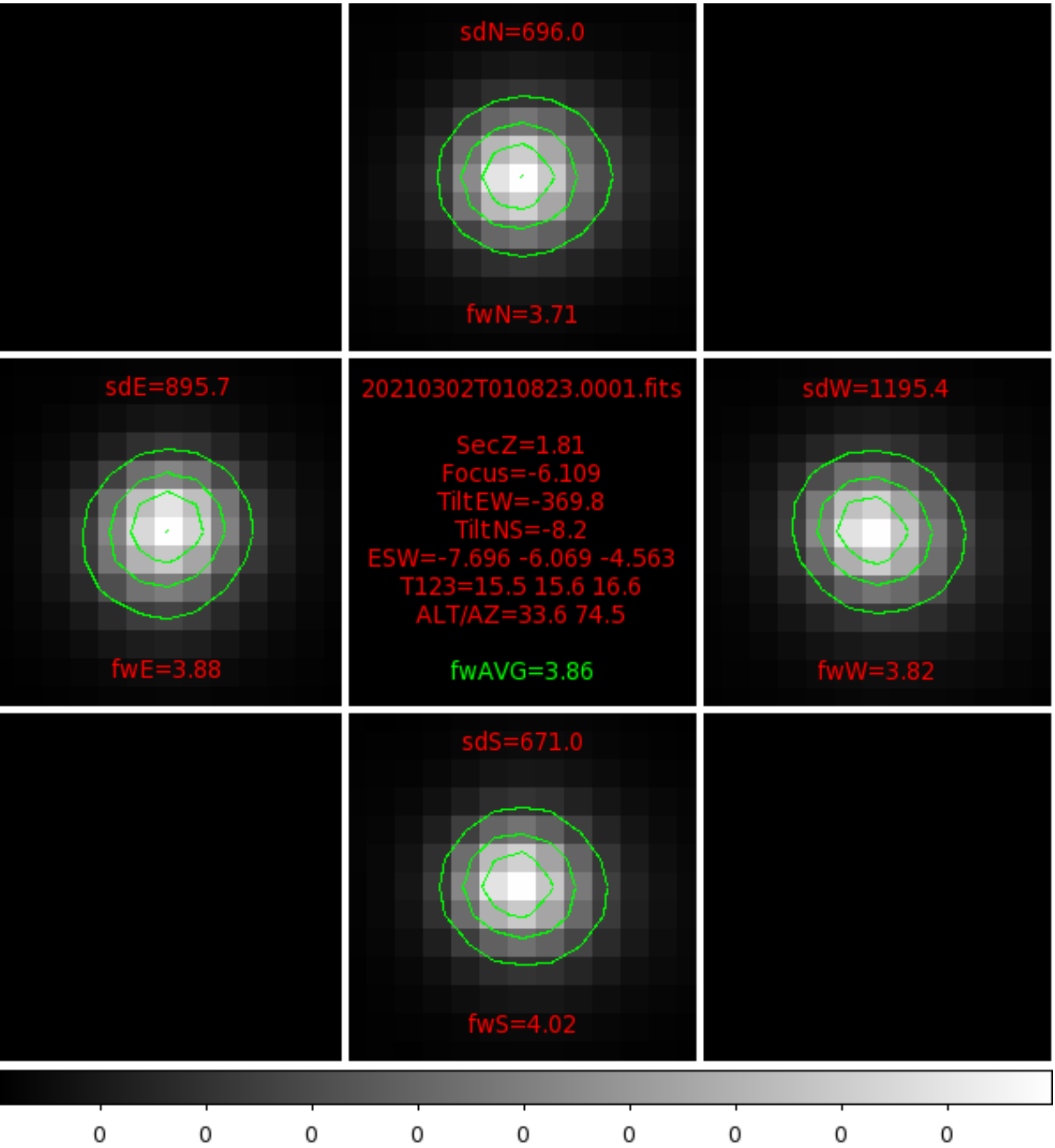
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SecZ=1.81
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TiltNS=-8.2
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ALT/AZ=33.6 74.5
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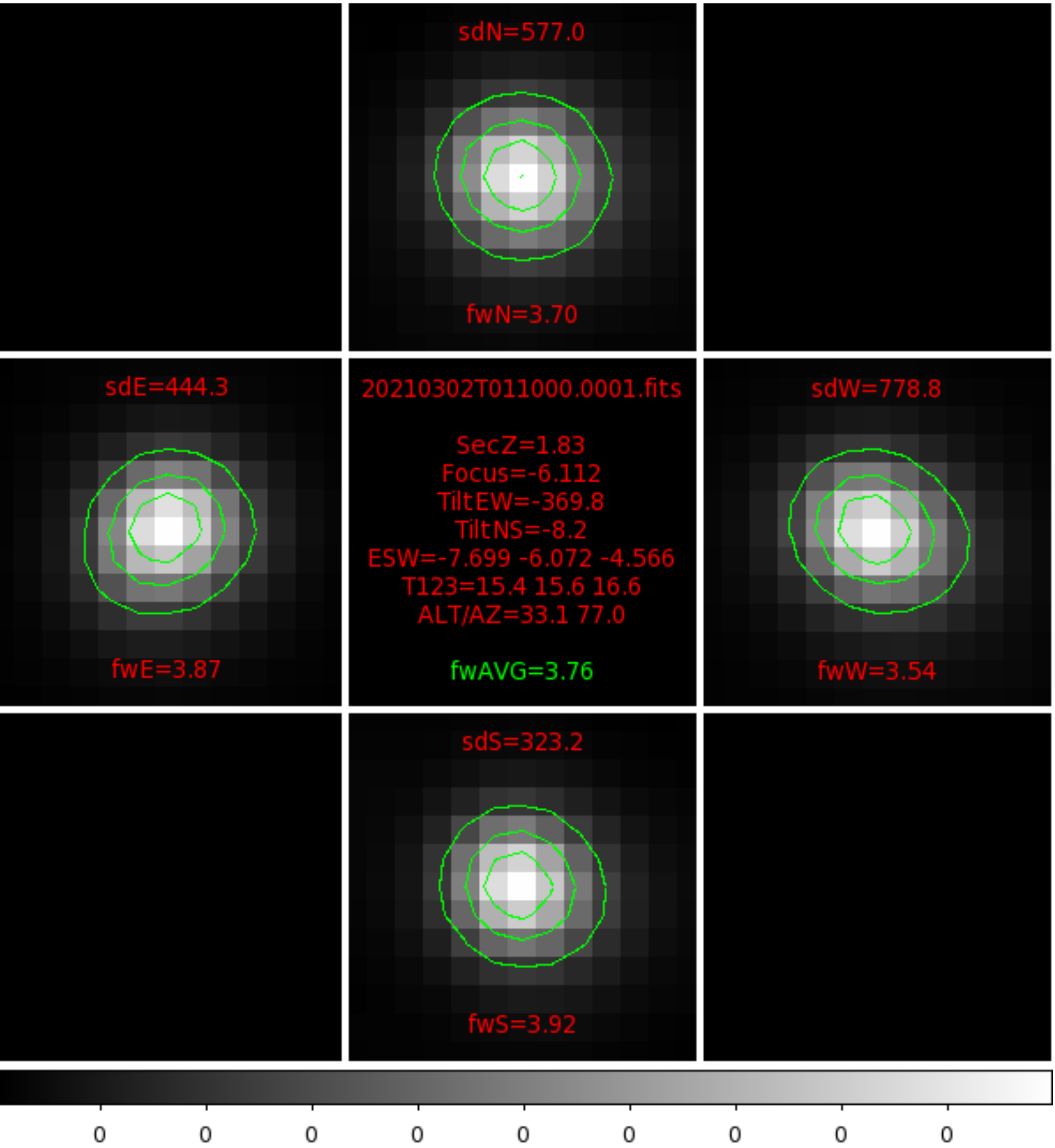
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ESW=-7.699 -6.072 -4.566
T123=15.4 15.6 16.6
ALT/AZ=33.1 77.0
fwAVG=3.76
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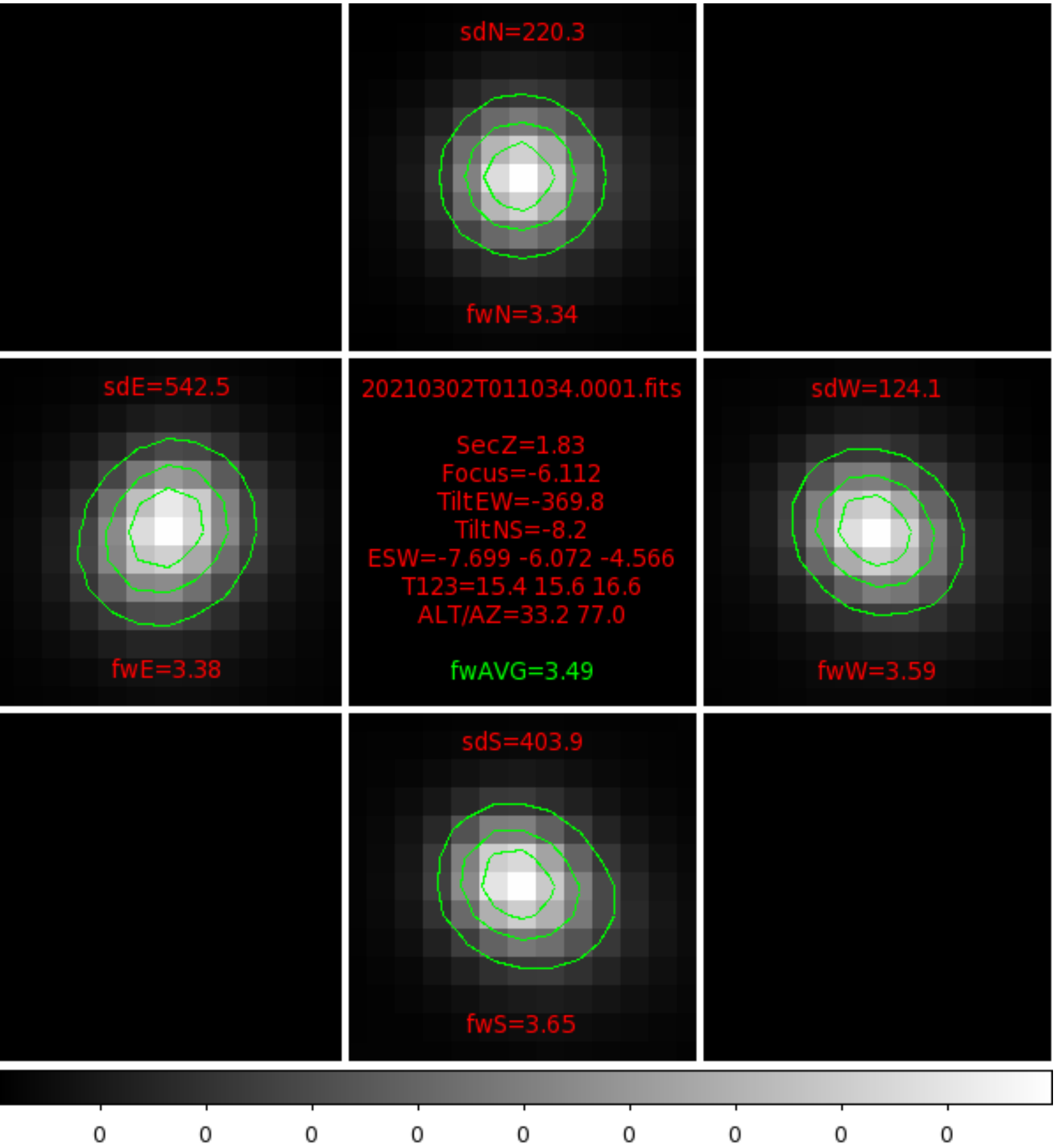
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.699 -6.072 -4.566
T123=15.4 15.6 16.6
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fwAVG=3.49
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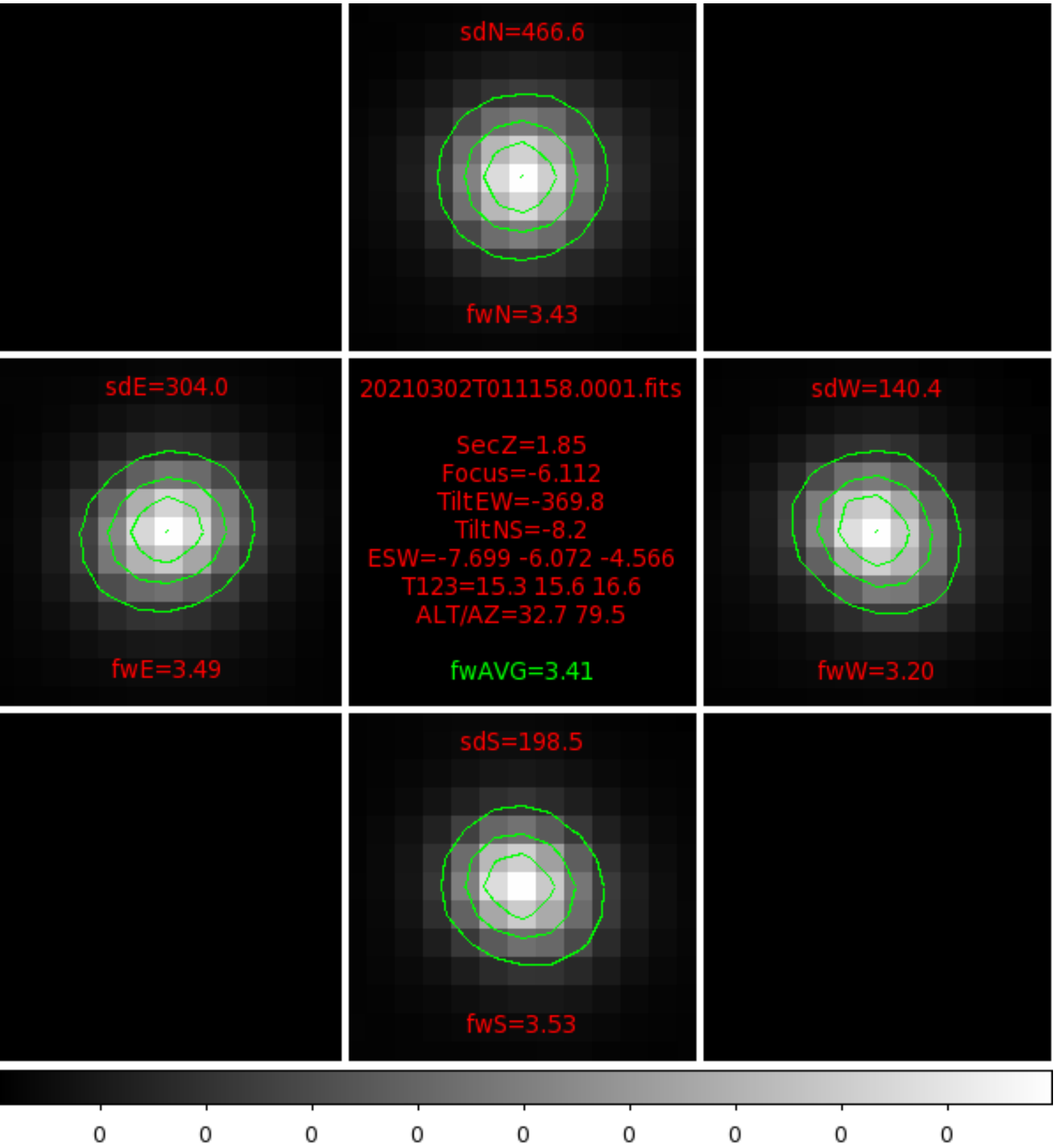
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sdE=304.0
fwE=3.49
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SecZ=1.85
Focus=-6.112
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.699 -6.072 -4.566
T123=15.3 15.6 16.6
ALT/AZ=32.7 79.5
fwAVG=3.41
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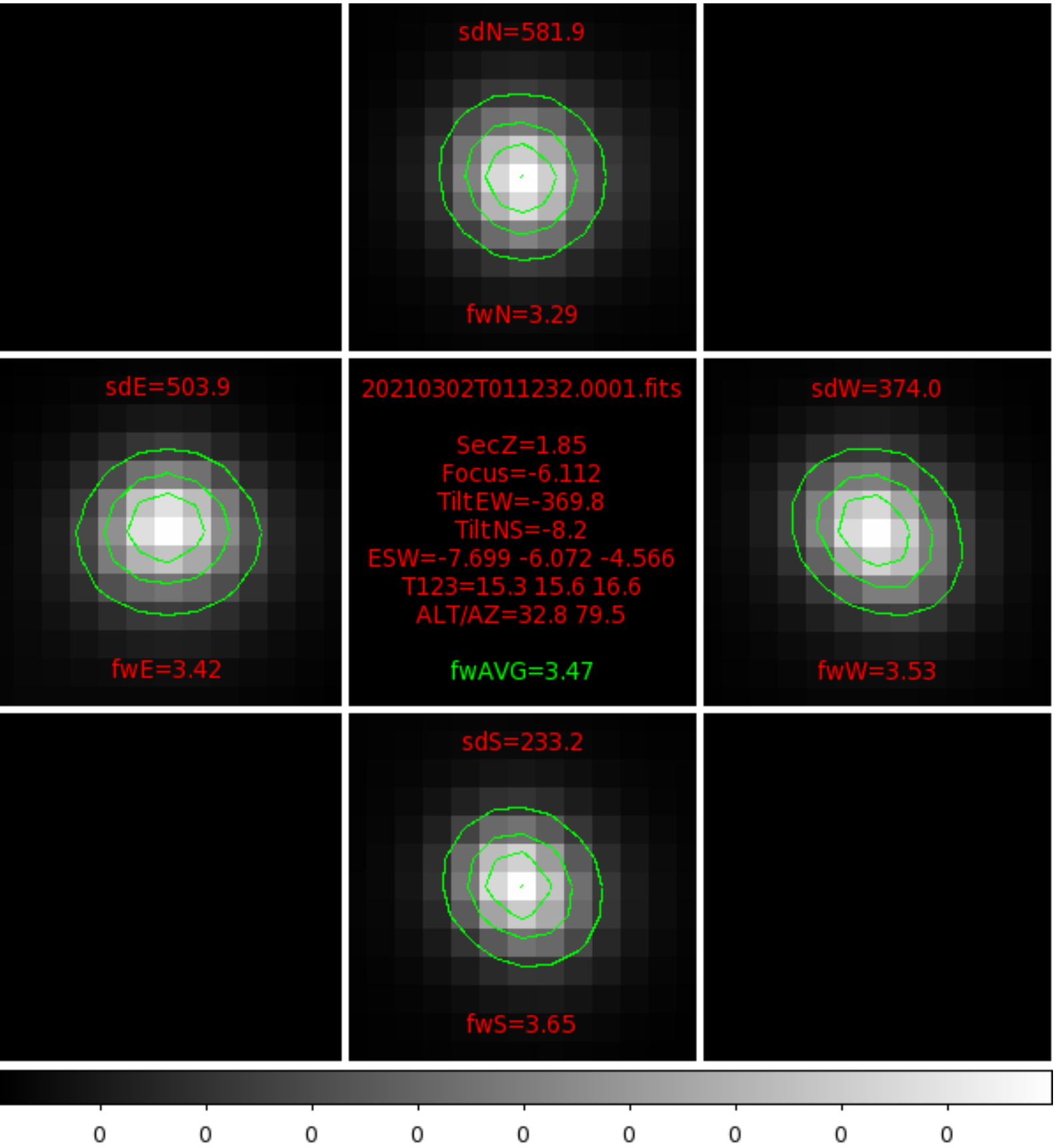
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SecZ=1.85
Focus=-6.112
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.699 -6.072 -4.566
T123=15.3 15.6 16.6
ALT/AZ=32.8 79.5
fwAVG=3.47
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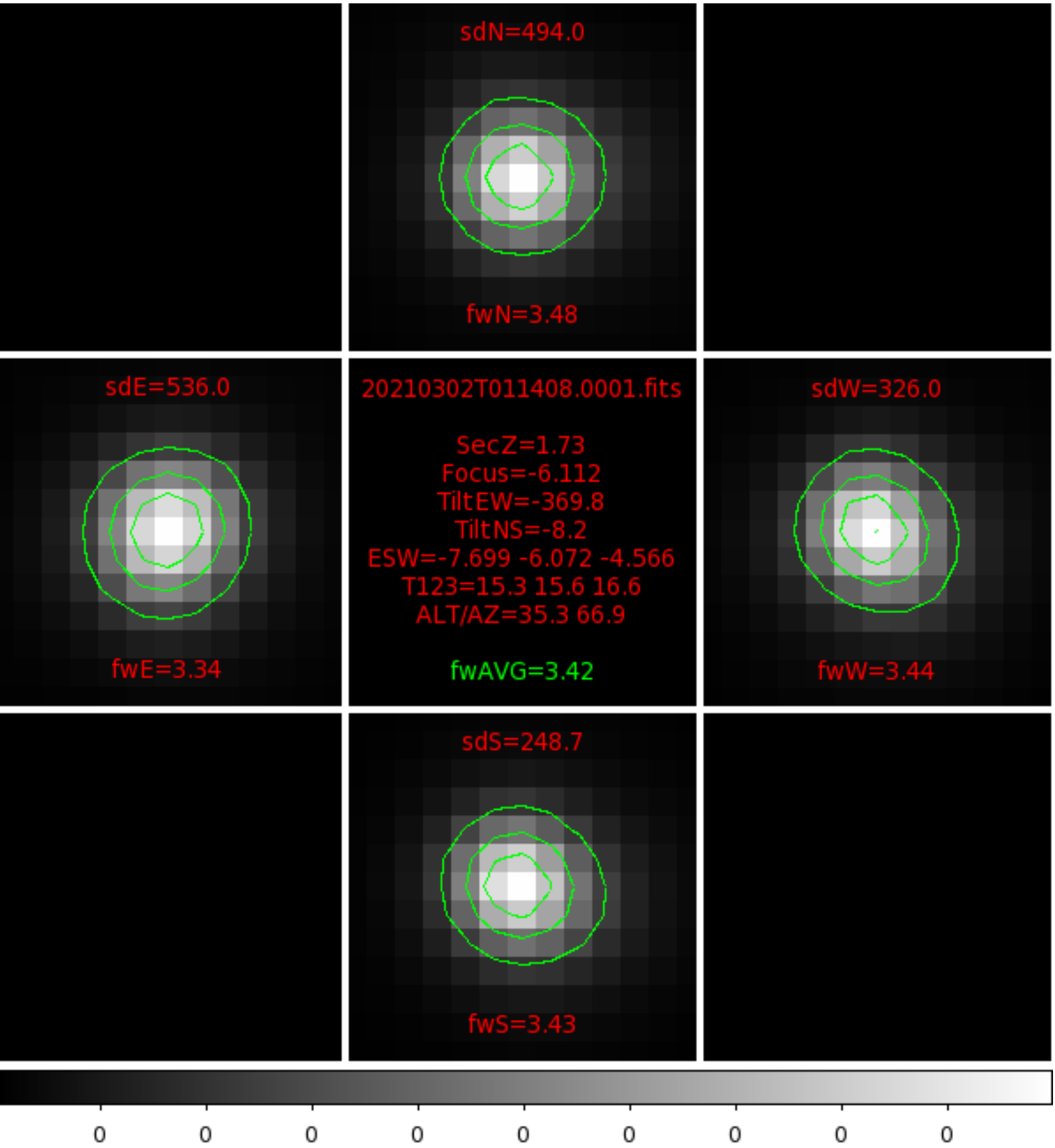
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SecZ=1.73
Focus=-6.112
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.699 -6.072 -4.566
T123=15.3 15.6 16.6
ALT/AZ=35.3 66.9
fwAVG=3.42
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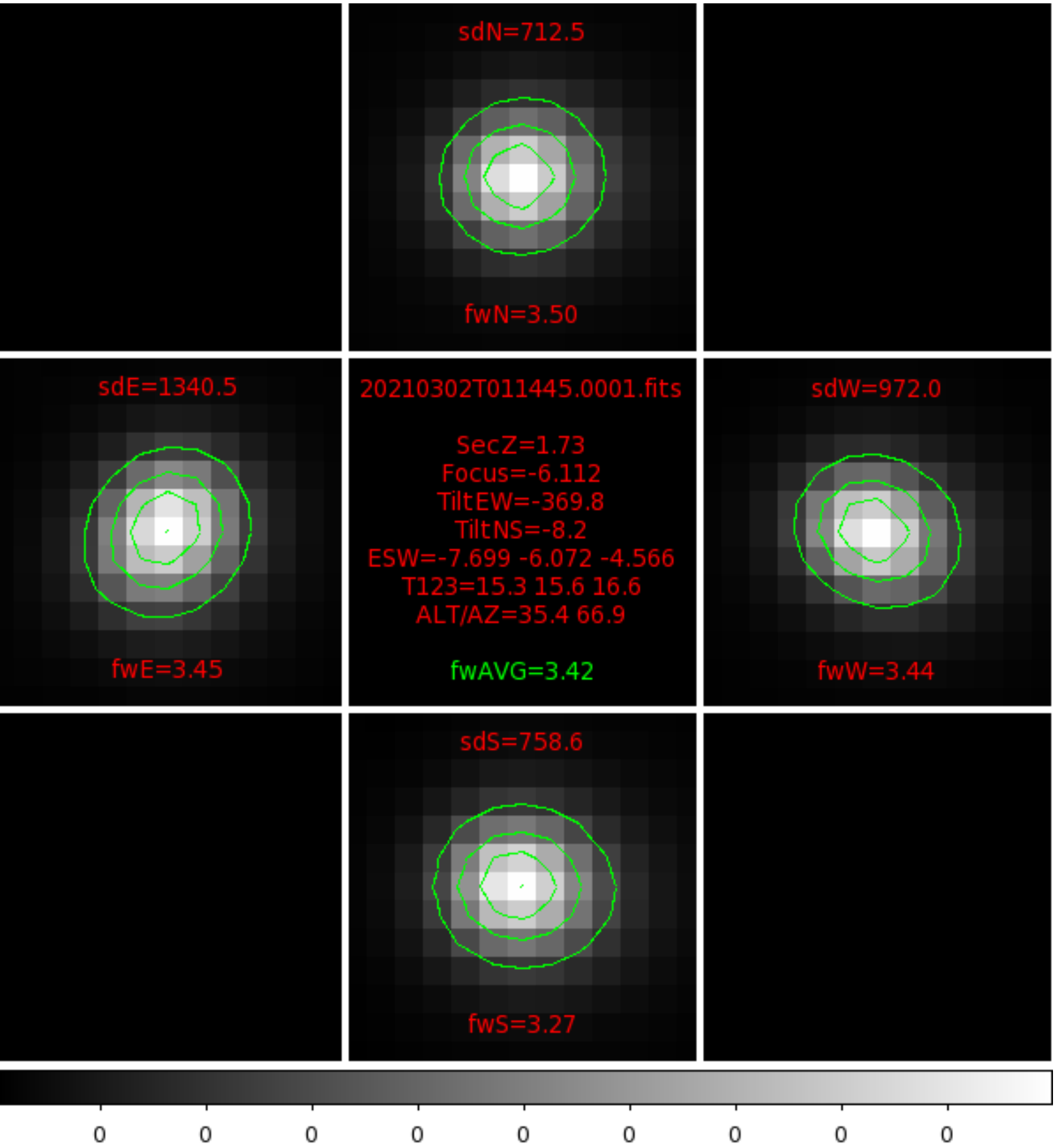
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SecZ=1.73
Focus=-6.112
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.699 -6.072 -4.566
T123=15.3 15.6 16.6
ALT/AZ=35.4 66.9
fwAVG=3.42
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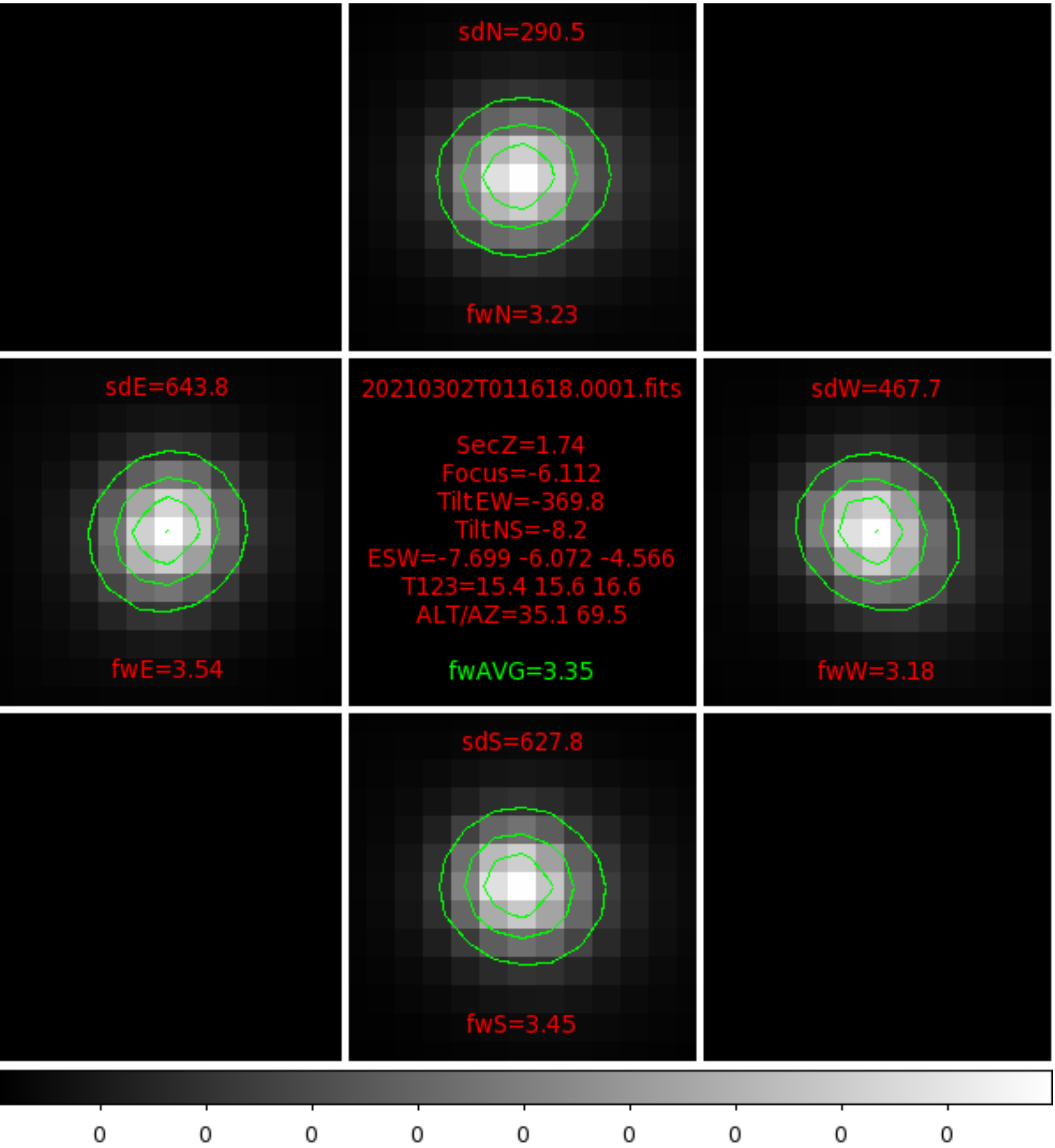
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SecZ=1.74
Focus=-6.112
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.699 -6.072 -4.566
T123=15.4 15.6 16.6
ALT/AZ=35.1 69.5
fwAVG=3.35
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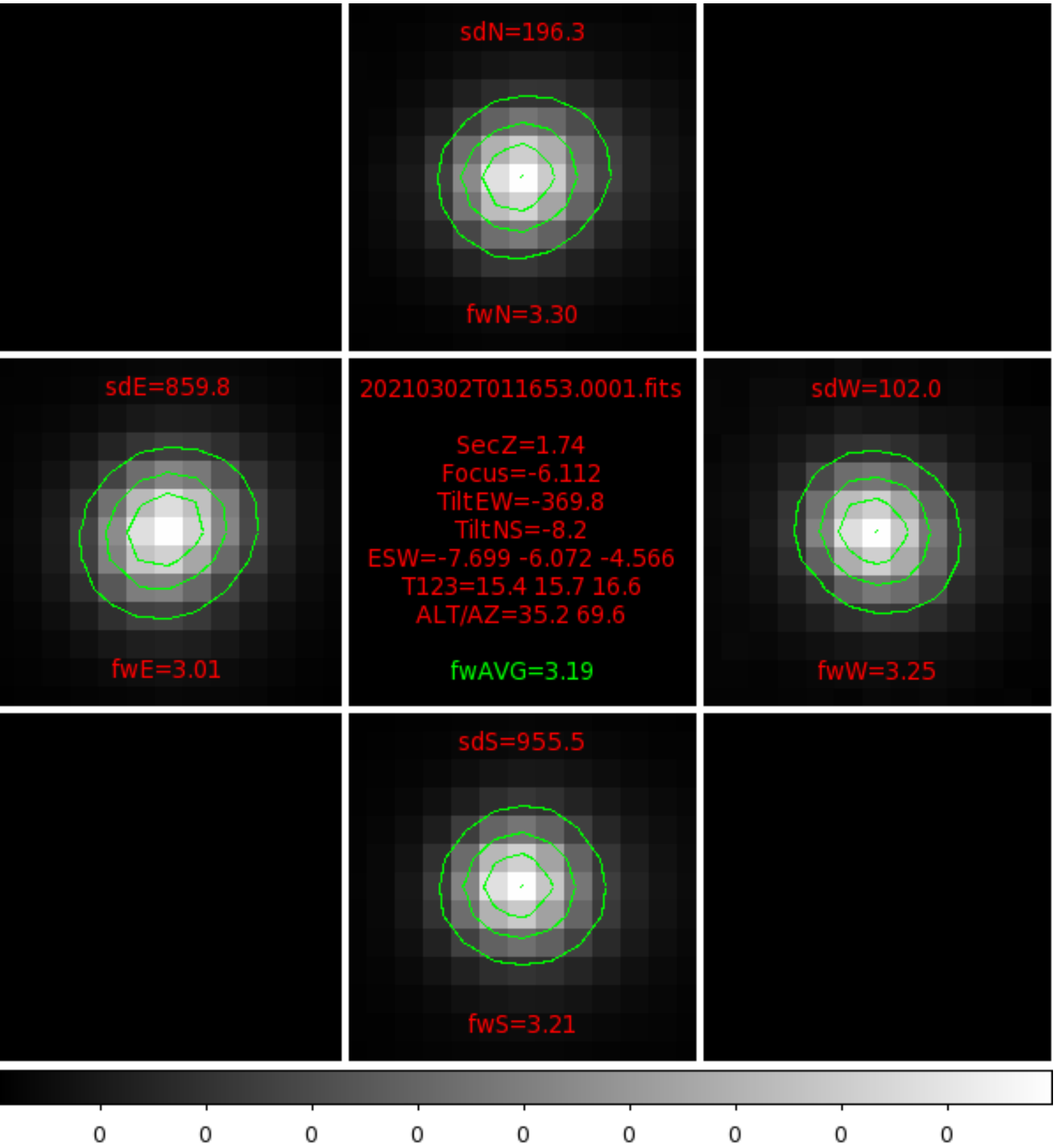
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SecZ=1.74
Focus=-6.112
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.699 -6.072 -4.566
T123=15.4 15.7 16.6
ALT/AZ=35.2 69.6
fwAVG=3.19
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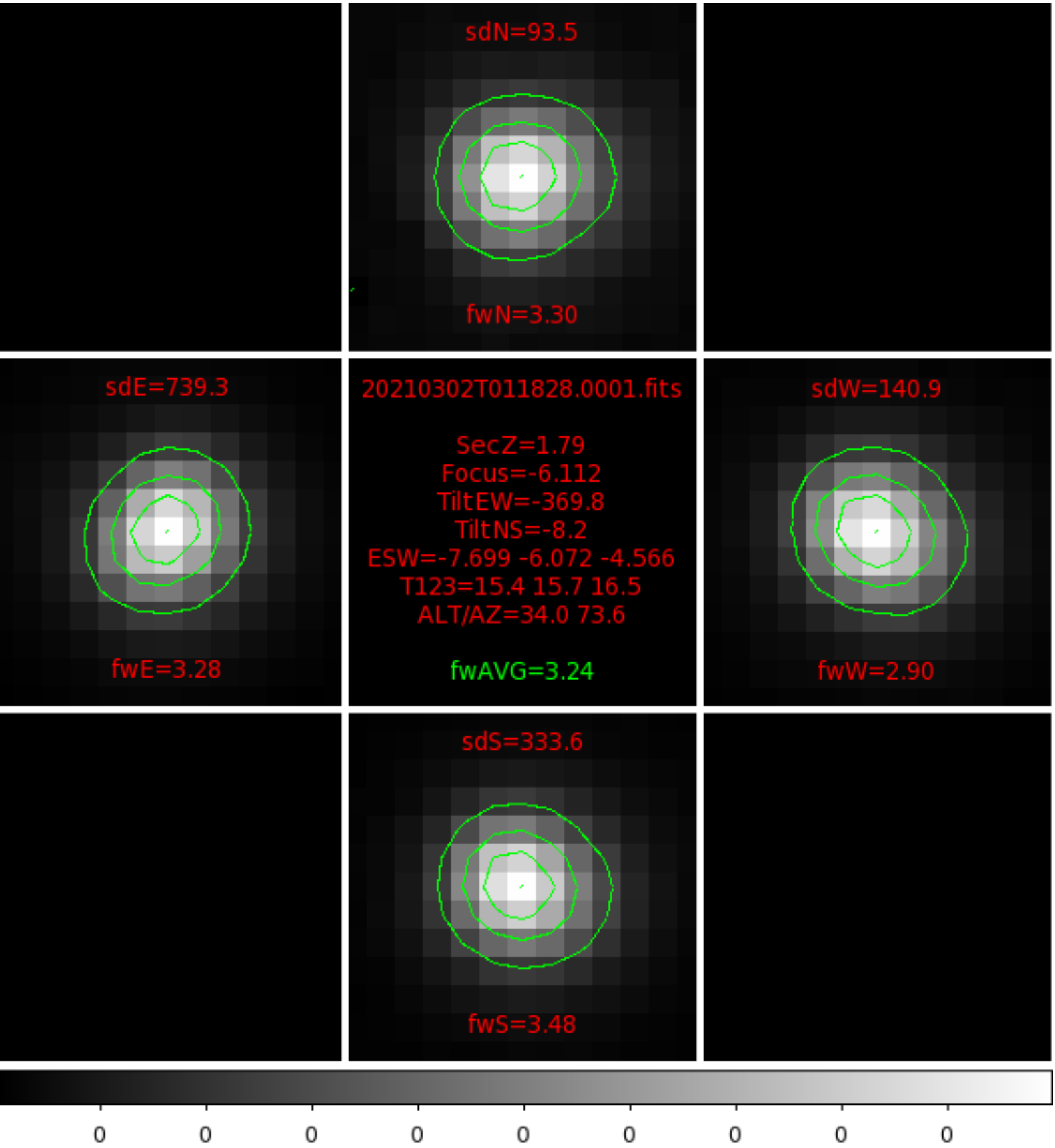
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SecZ=1.79
Focus=-6.112
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.699 -6.072 -4.566
T123=15.4 15.7 16.5
ALT/AZ=34.0 73.6
fwAVG=3.24
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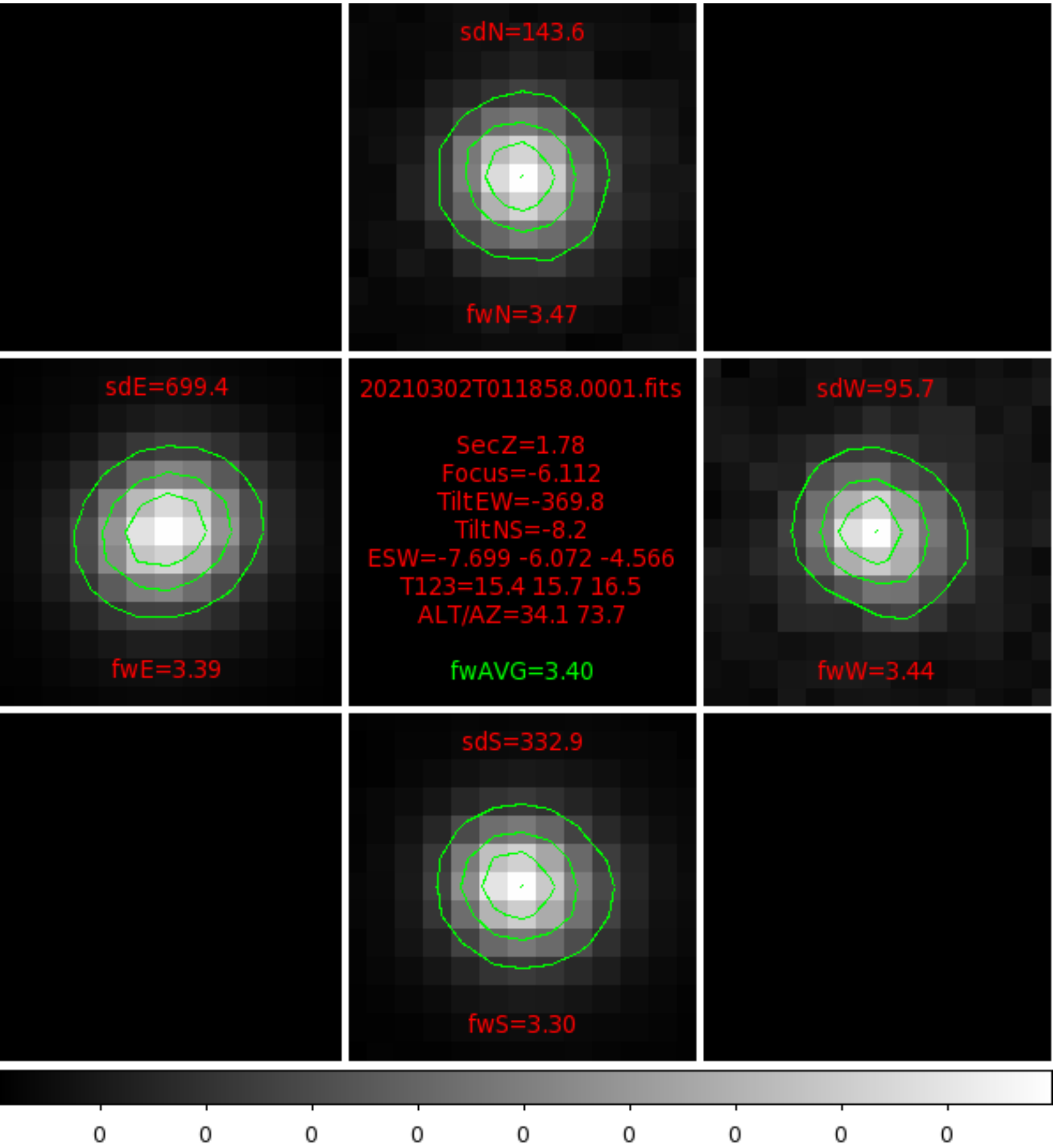
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.699 -6.072 -4.566
T123=15.4 15.7 16.5
ALT/AZ=34.1 73.7
fwAVG=3.40
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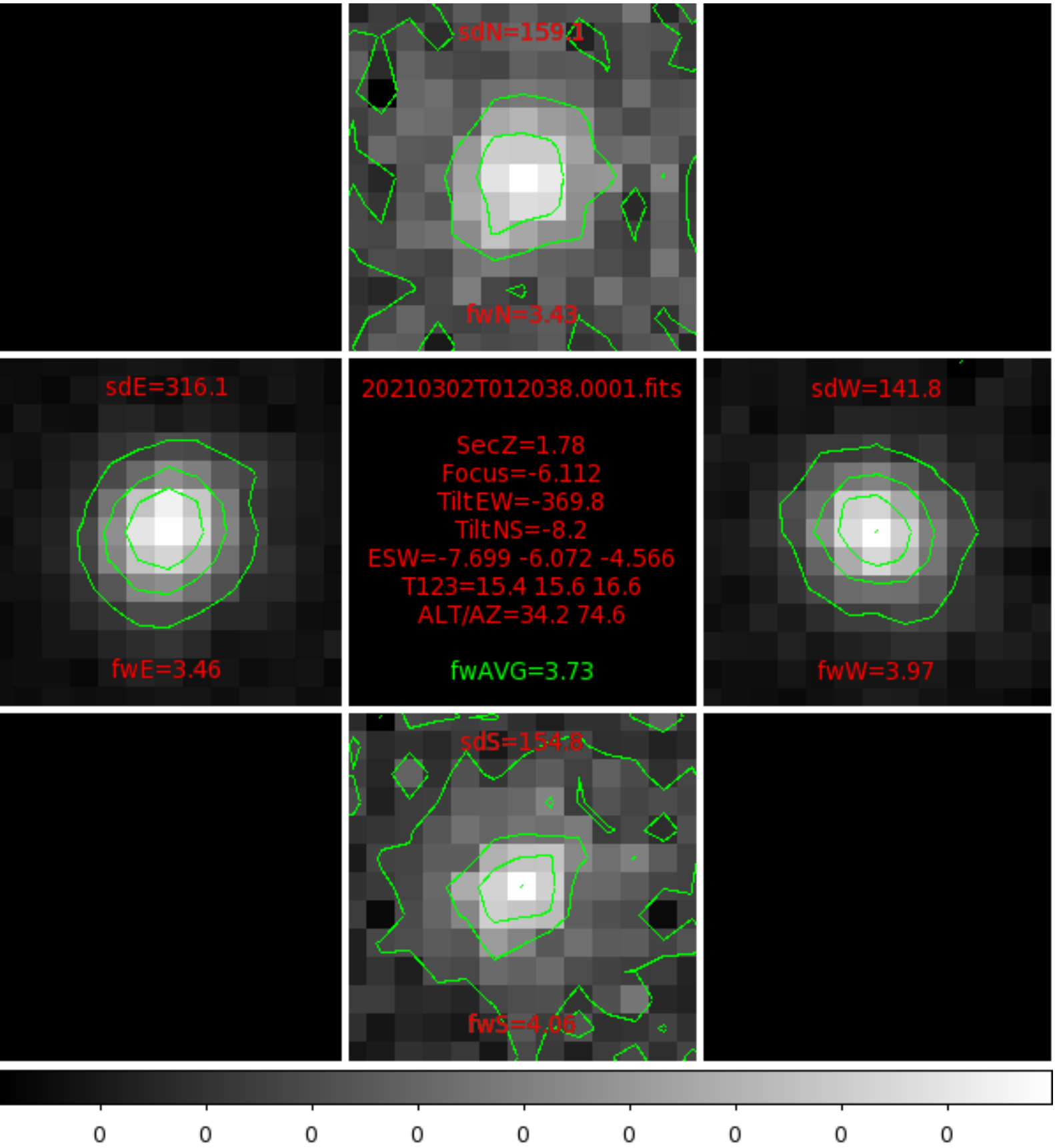
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SecZ=1.78
Focus=-6.112
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.699 -6.072 -4.566
T123=15.4 15.6 16.6
ALT/AZ=34.2 74.6
fwAVG=3.73
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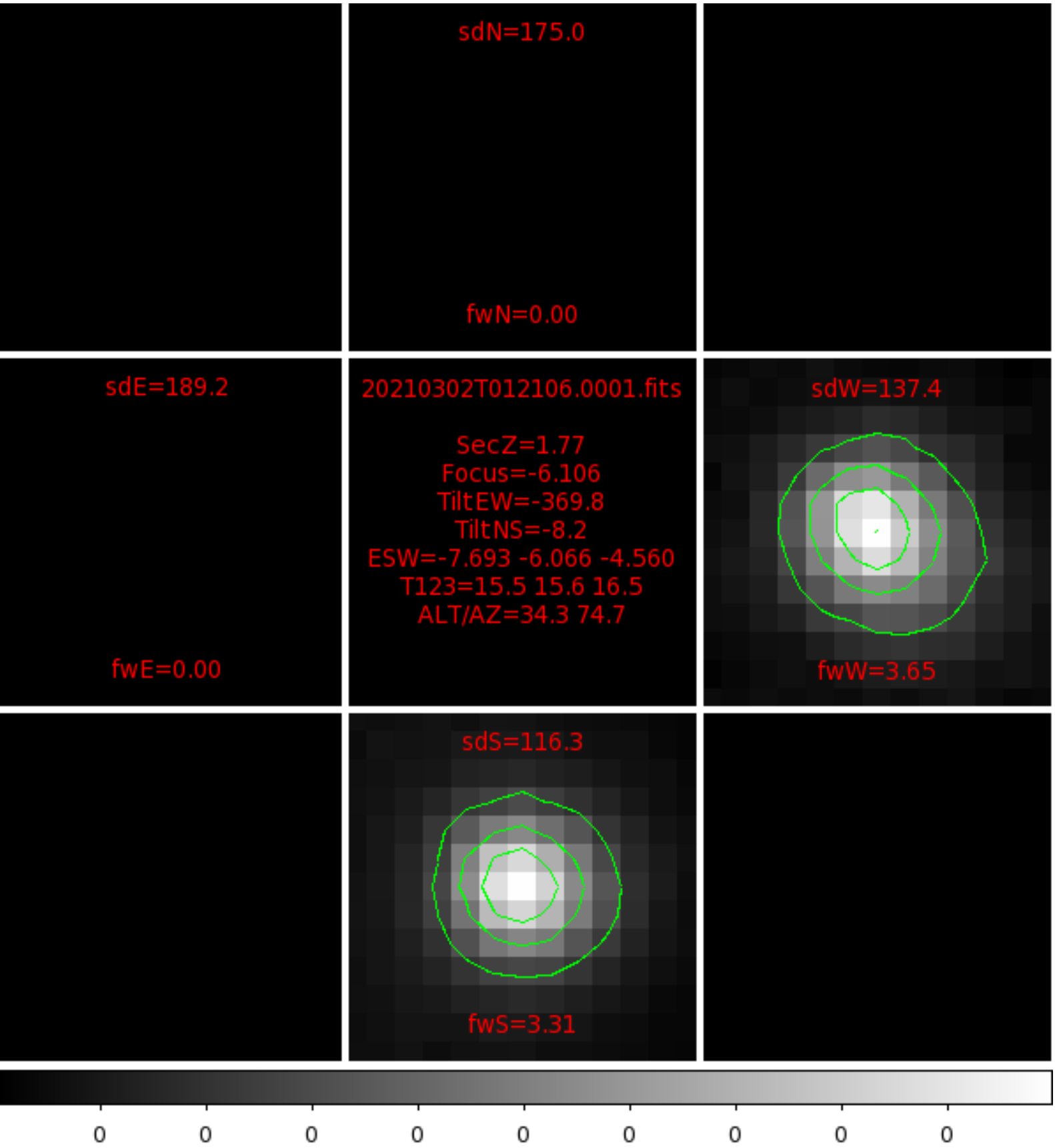
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SecZ=1.77
Focus=-6.106
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.693 -6.066 -4.560
T123=15.5 15.6 16.5
ALT/AZ=34.3 74.7
sdW=137.4
fwW=3.65
sdS=116.3
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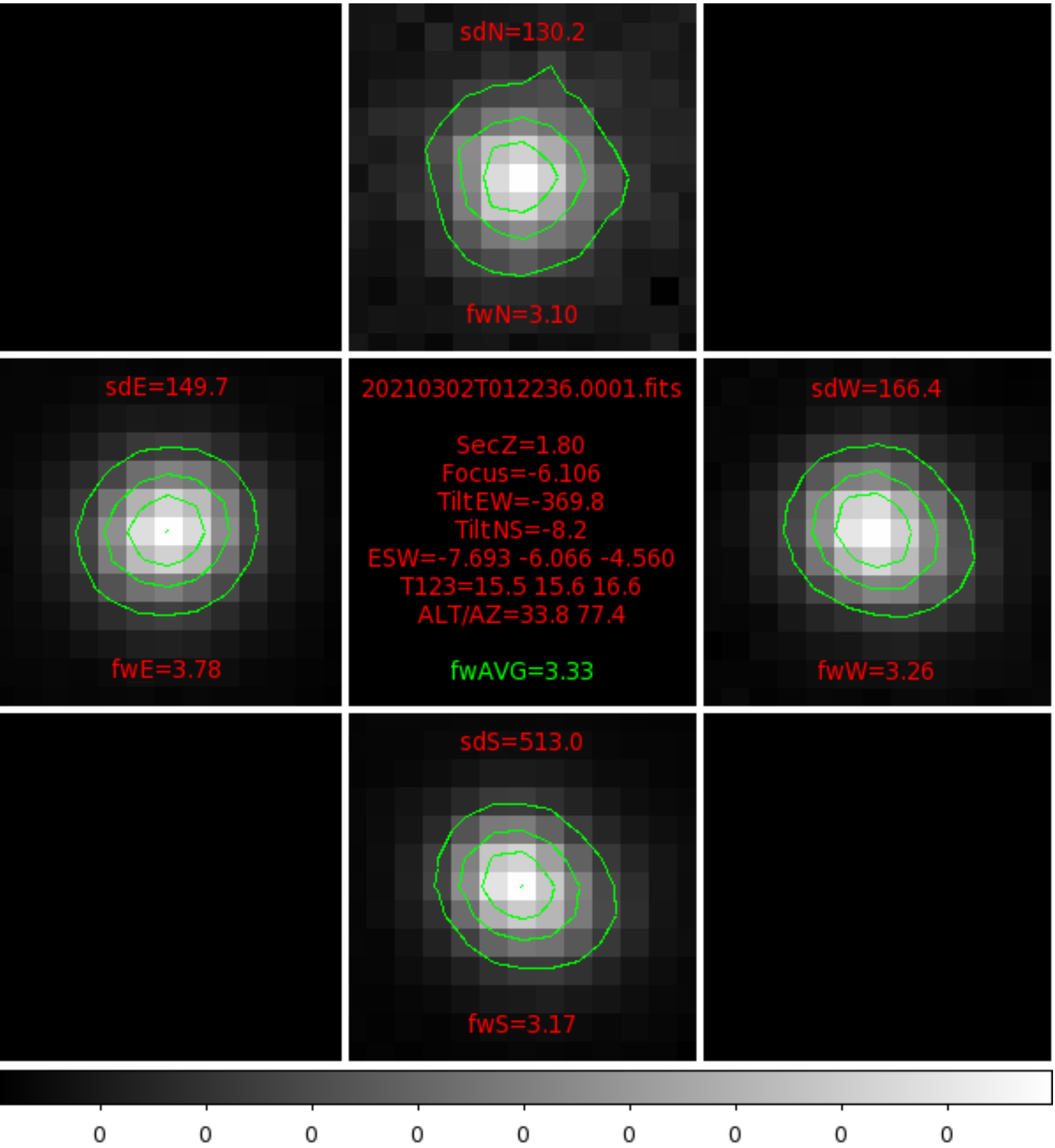
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sdE=149.7
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SecZ=1.80
Focus=-6.106
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.693 -6.066 -4.560
T123=15.5 15.6 16.6
ALT/AZ=33.8 77.4
fwAVG=3.33
sdW=166.4
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sdS=513.0
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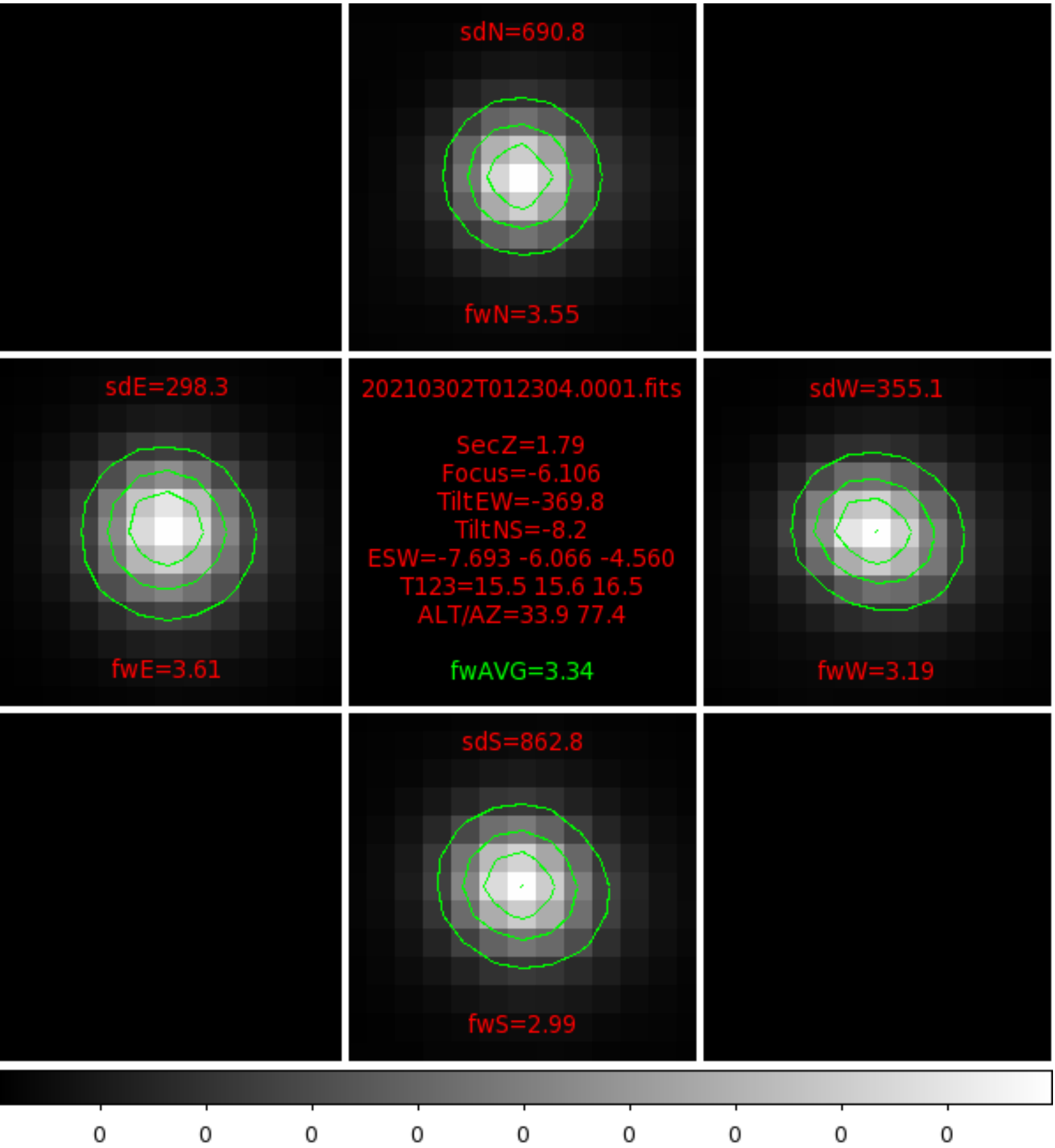
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sdE=298.3
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SecZ=1.79
Focus=-6.106
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.693 -6.066 -4.560
T123=15.5 15.6 16.5
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fwAVG=3.34
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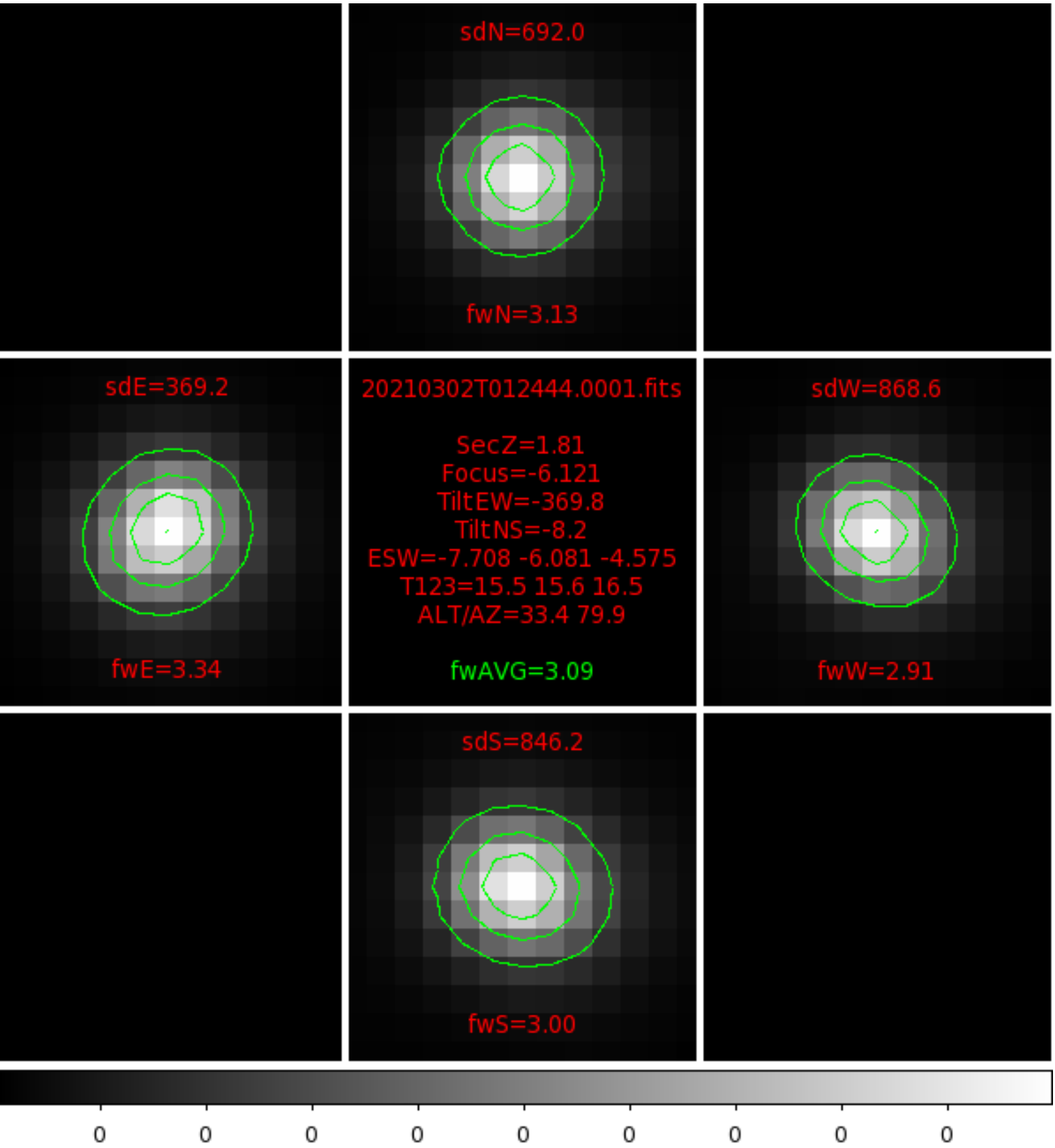
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.5 15.6 16.5
ALT/AZ=33.4 79.9
fwAVG=3.09
sdW=868.6
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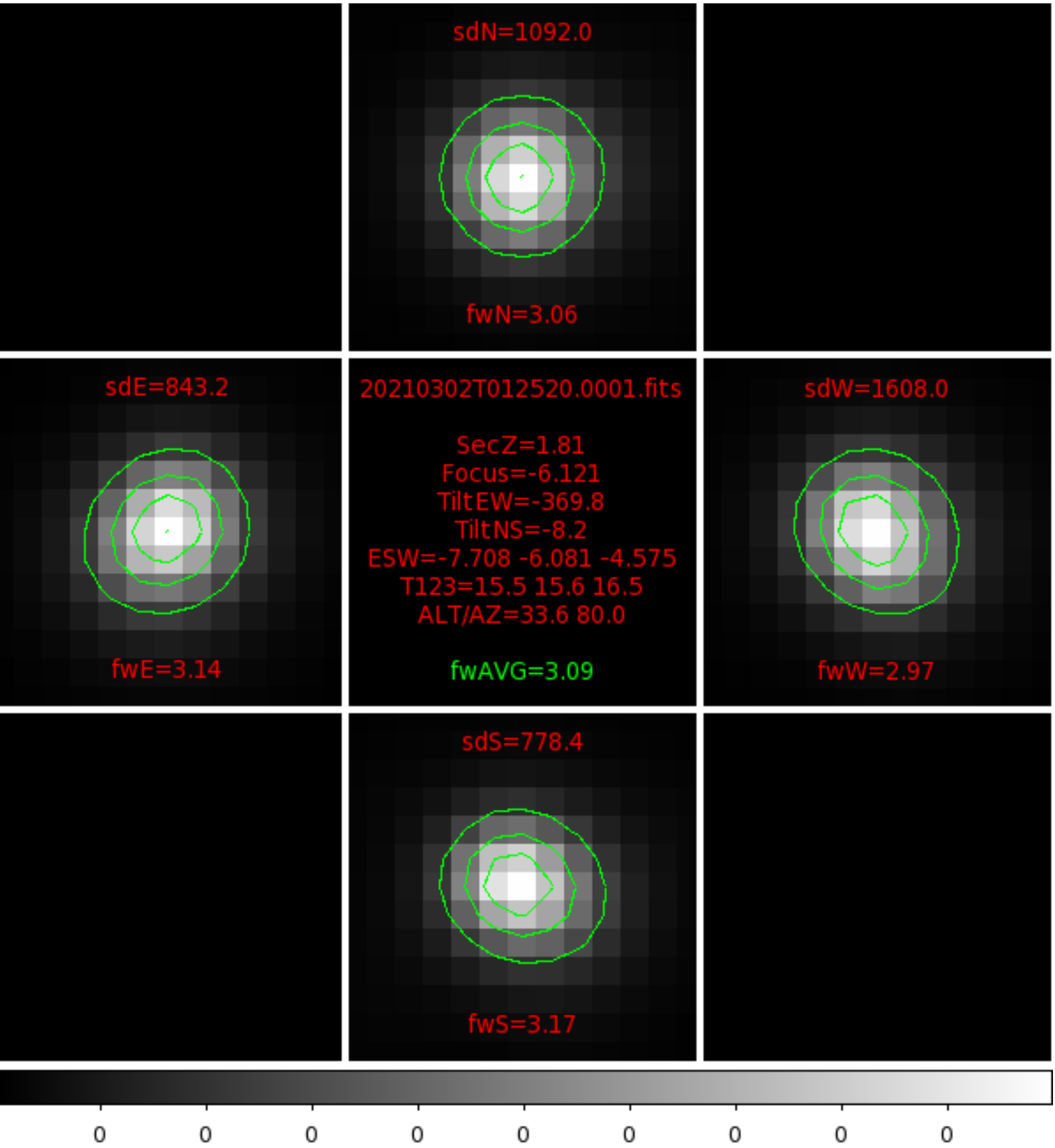
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SecZ=1.81
Focus=-6.121
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.5 15.6 16.5
ALT/AZ=33.6 80.0
fwAVG=3.09
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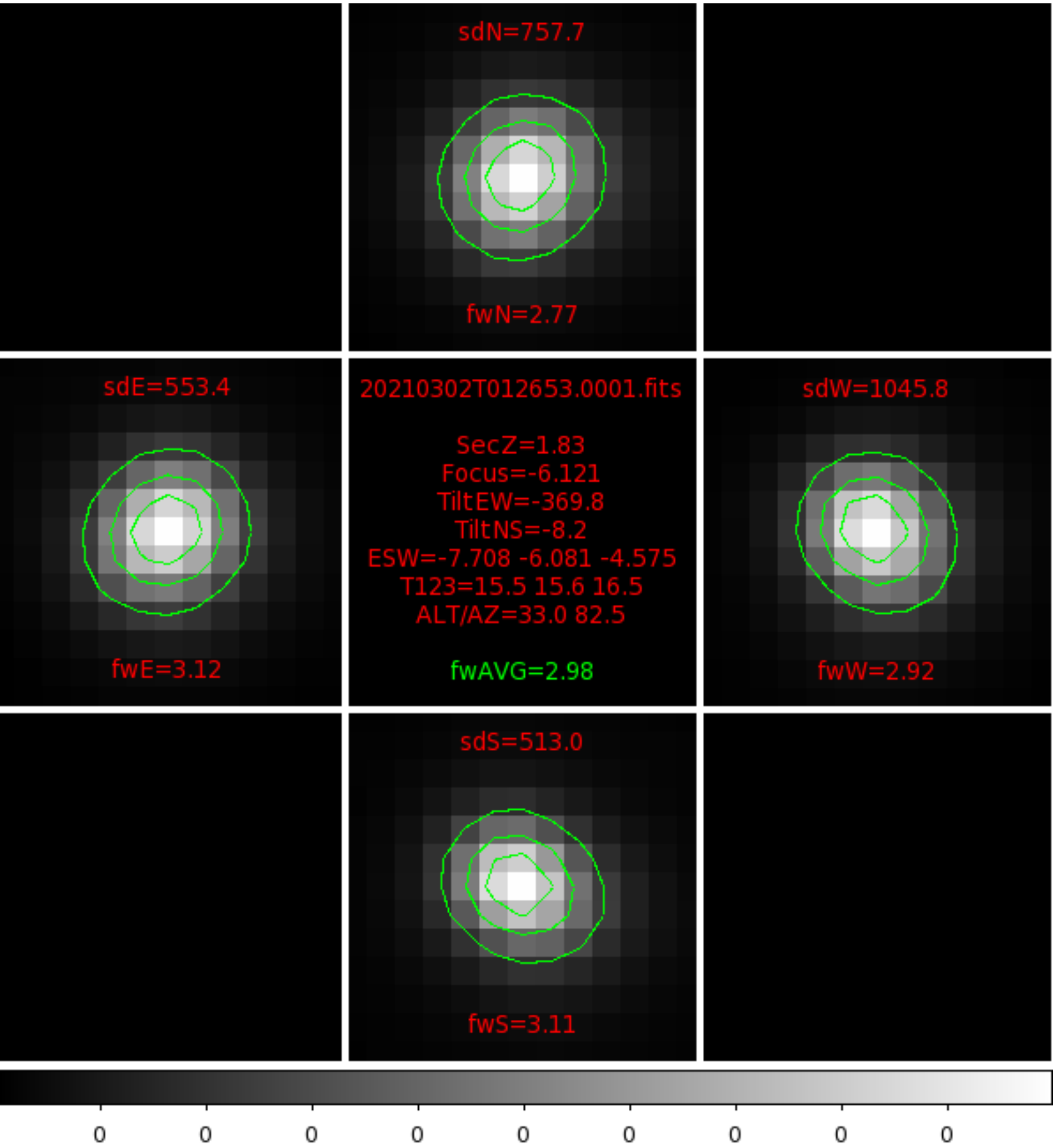
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sdE=553.4
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SecZ=1.83
Focus=-6.121
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.5 15.6 16.5
ALT/AZ=33.0 82.5
fwAVG=2.98
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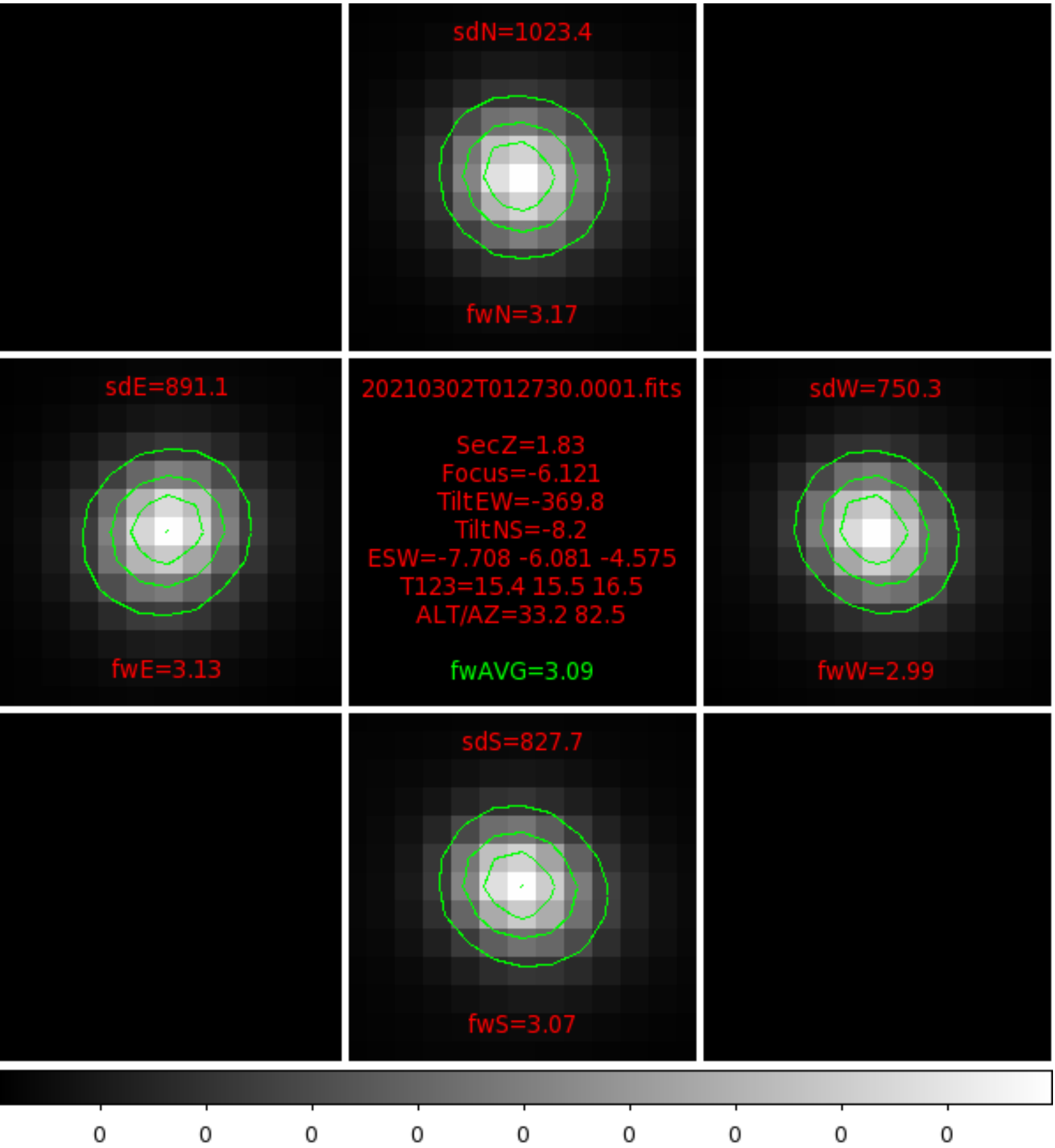
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SecZ=1.83
Focus=-6.121
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.4 15.5 16.5
ALT/AZ=33.2 82.5
fwAVG=3.09
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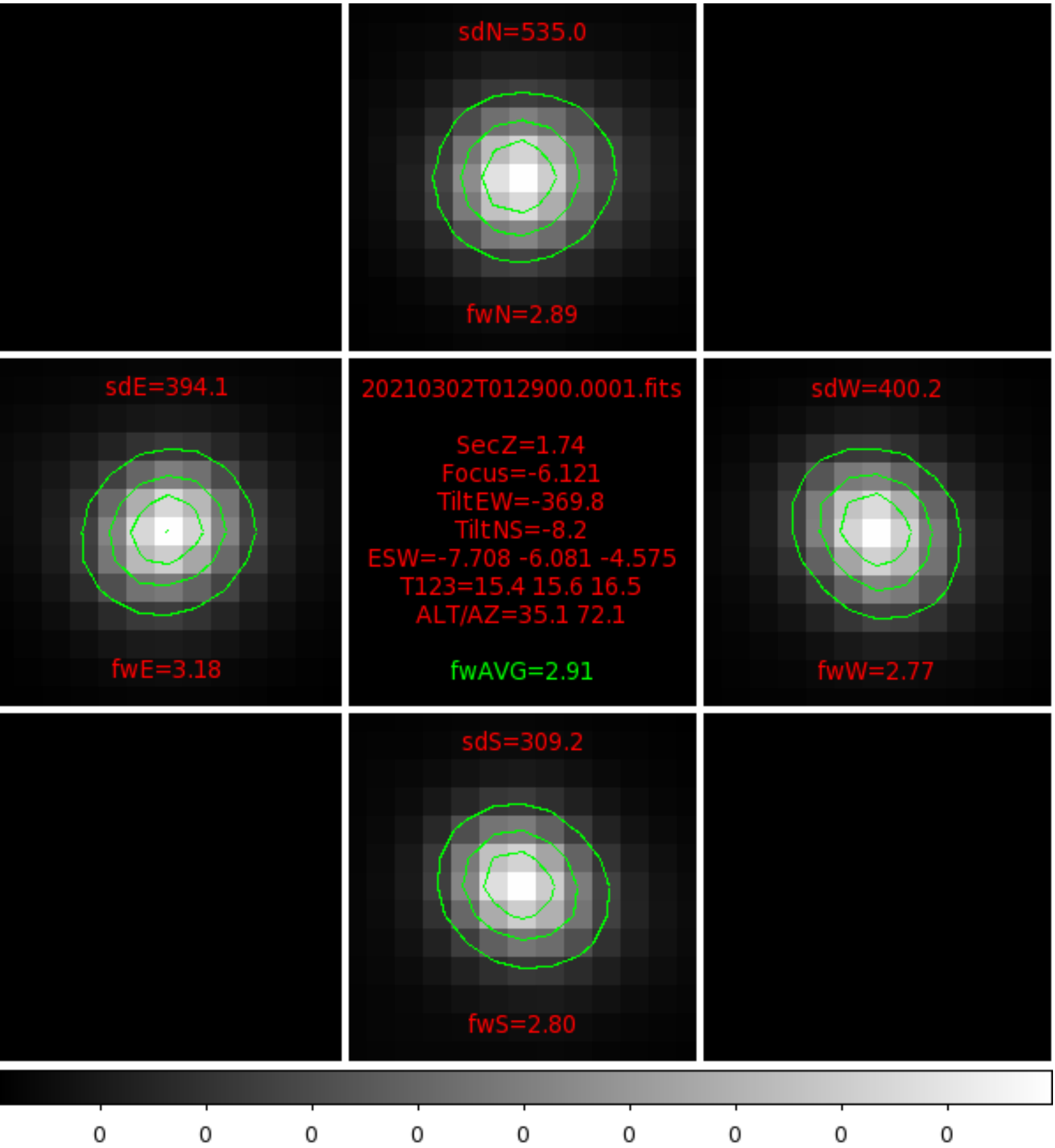
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sdE=394.1
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.4 15.6 16.5
ALT/AZ=35.1 72.1
fwAVG=2.91
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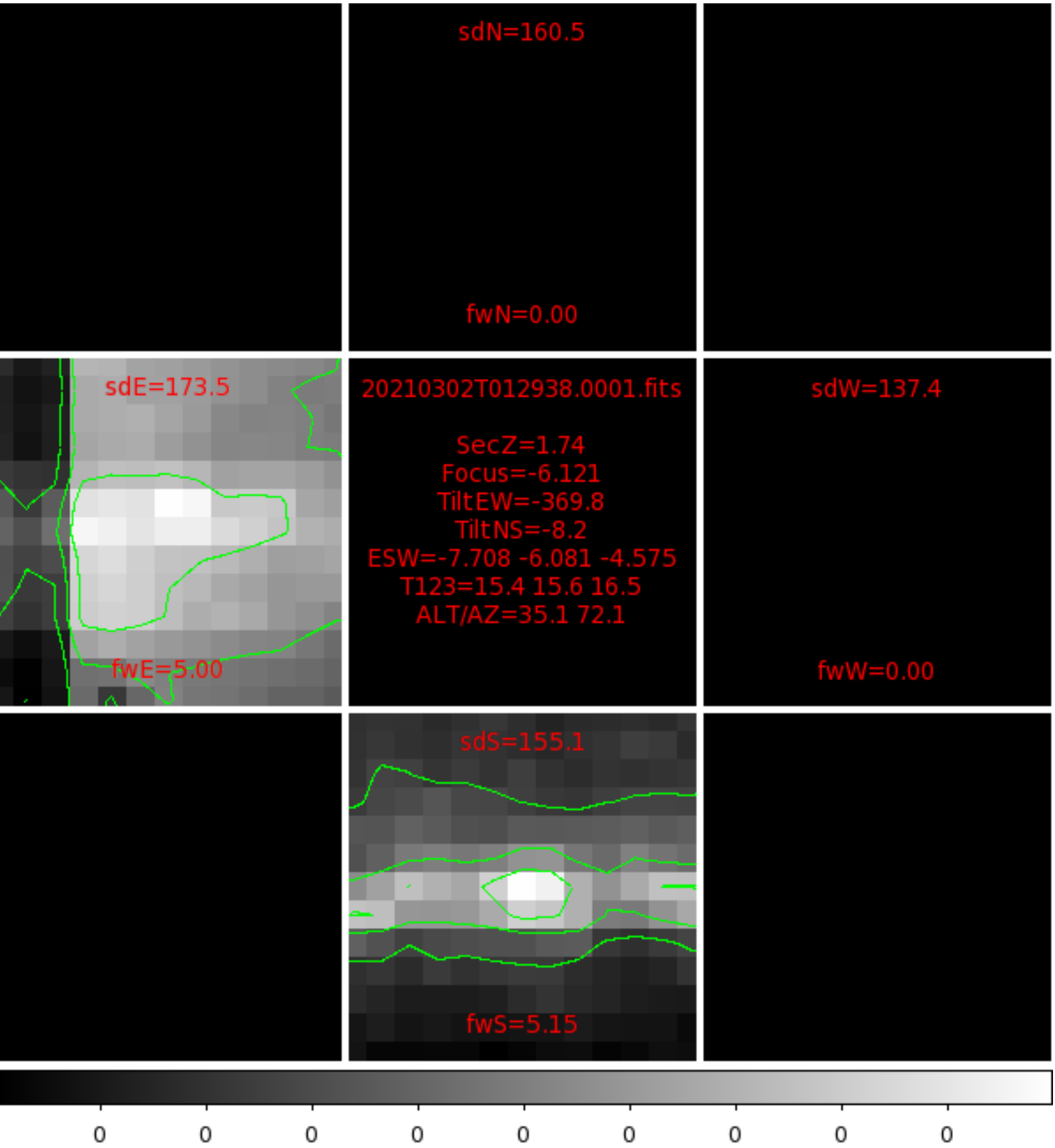
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SecZ=1.74
Focus=-6.121
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.4 15.6 16.5
ALT/AZ=35.1 72.1
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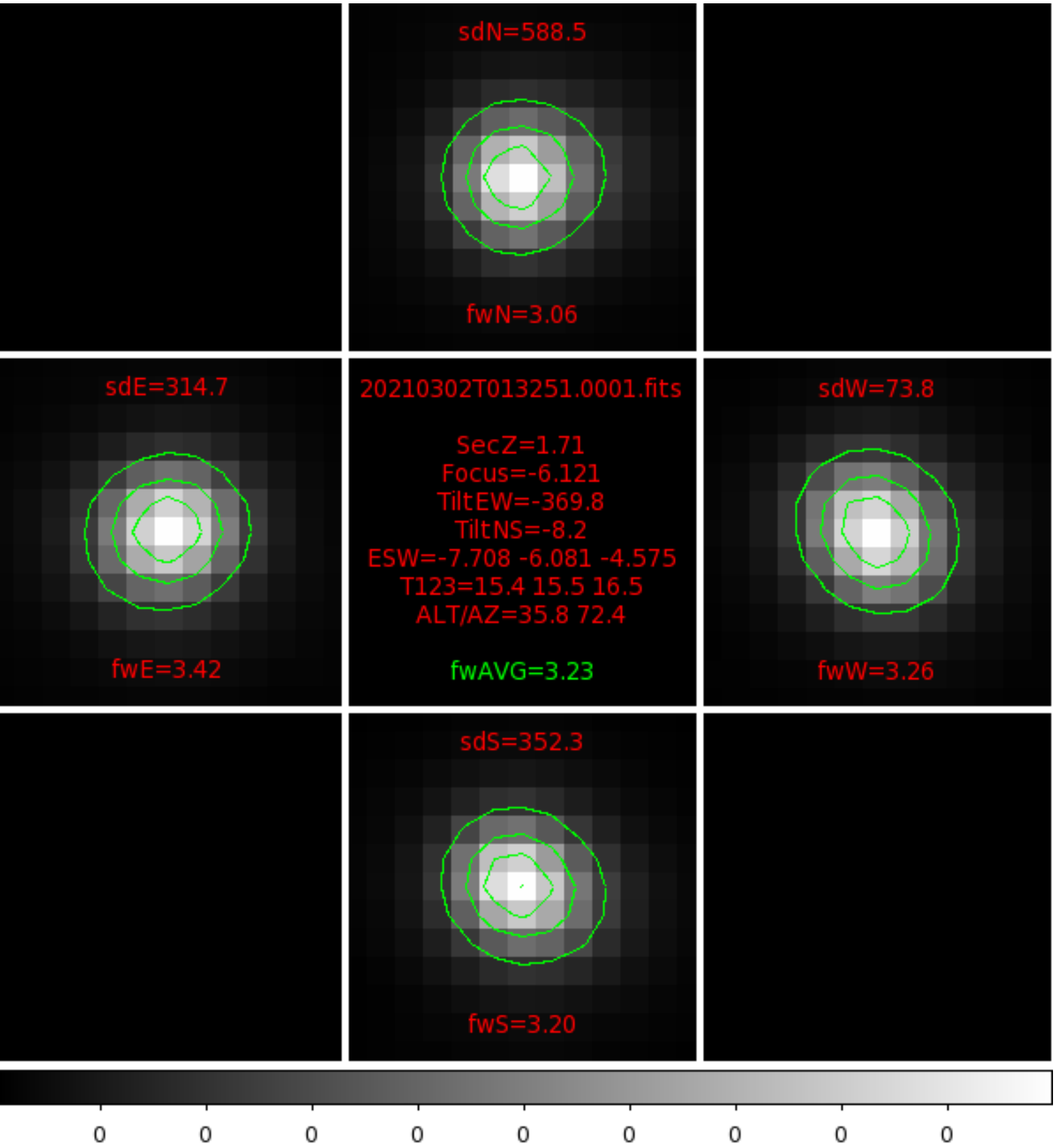
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TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.4 15.5 16.5
ALT/AZ=35.8 72.4
fwAVG=3.23
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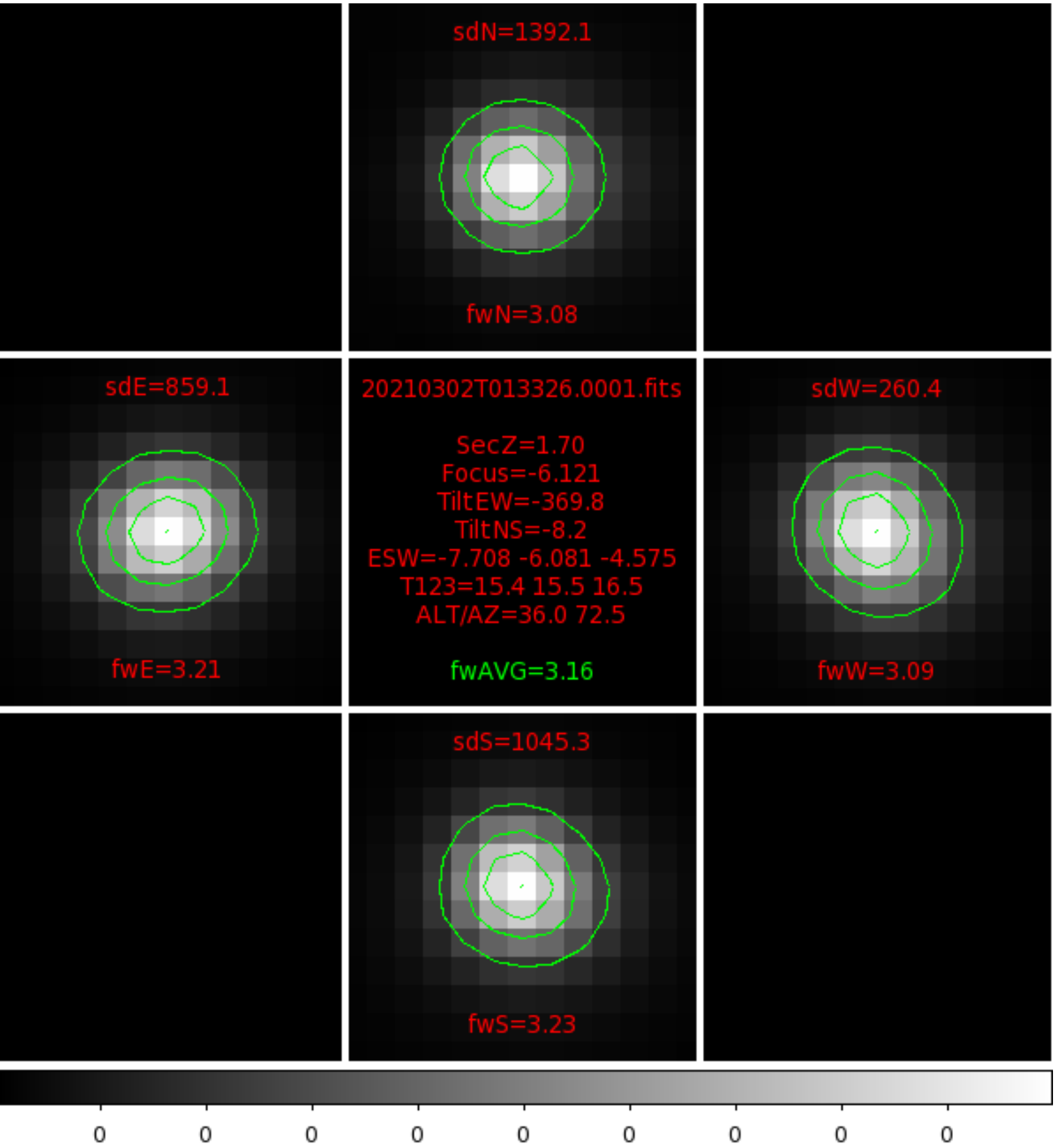
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SecZ=1.70
Focus=-6.121
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.4 15.5 16.5
ALT/AZ=36.0 72.5
fwAVG=3.16
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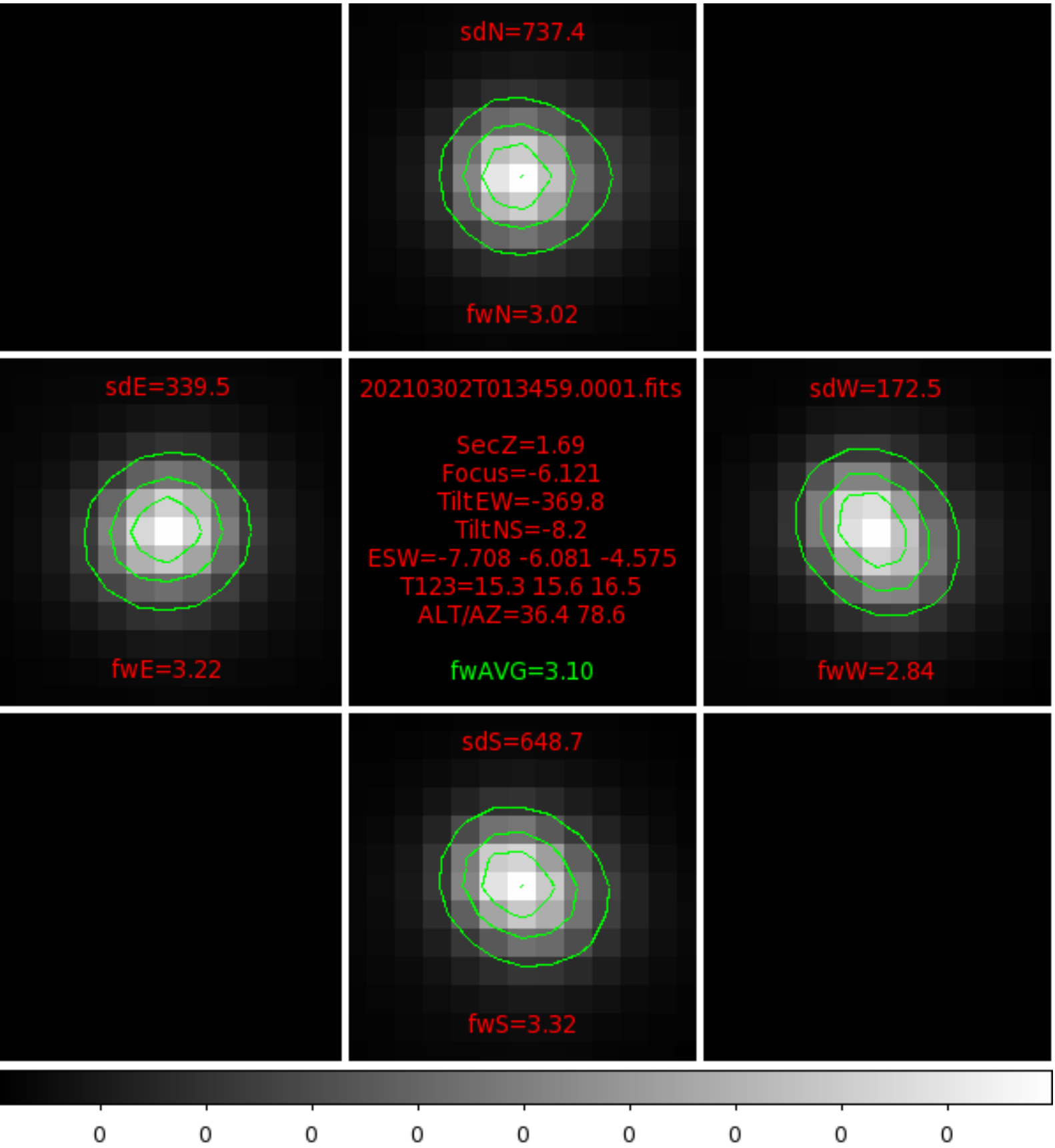
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SecZ=1.69
Focus=-6.121
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.3 15.6 16.5
ALT/AZ=36.4 78.6
fwAVG=3.10
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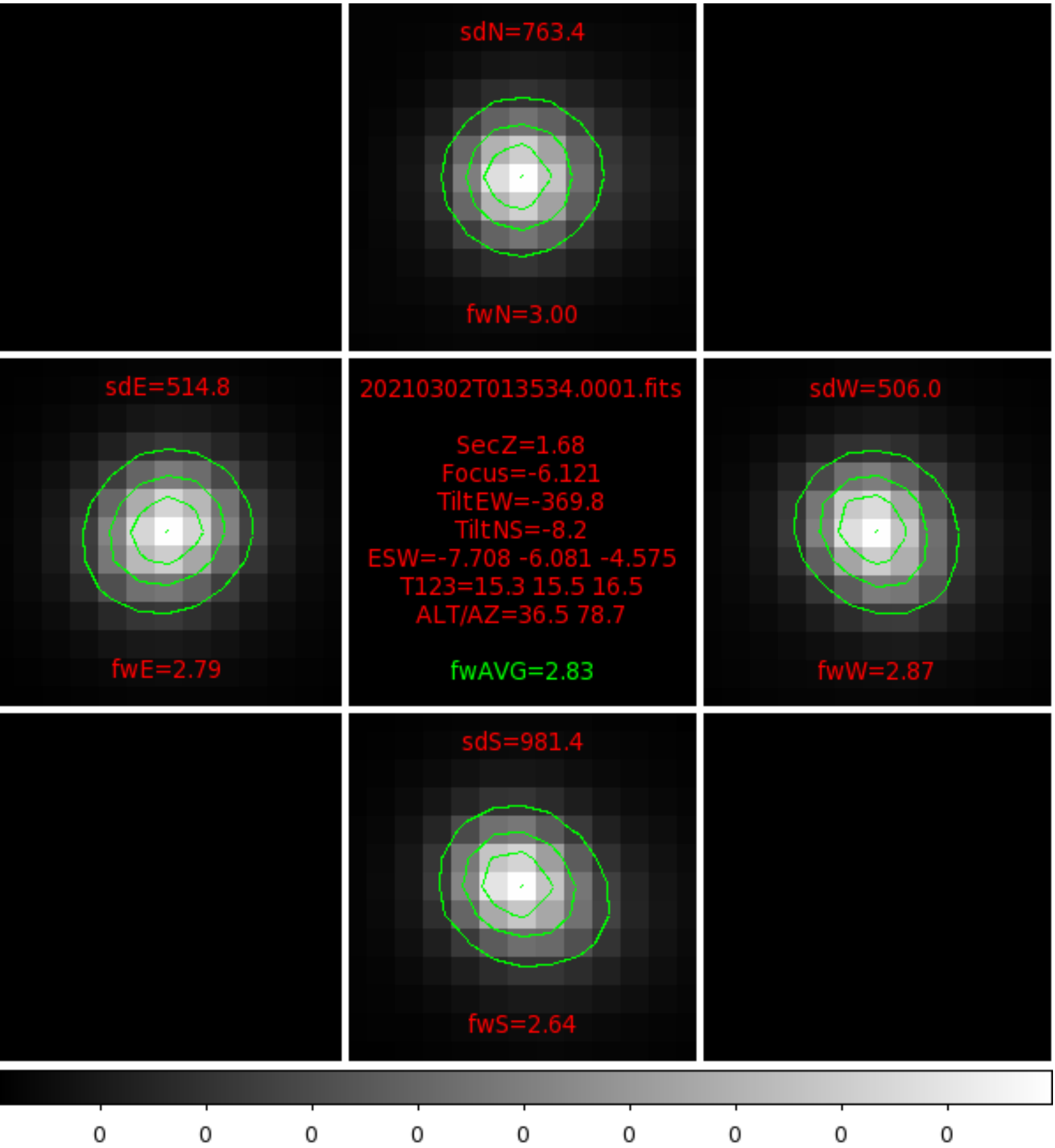
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fwE=2.79
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SecZ=1.68
Focus=-6.121
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.708 -6.081 -4.575
T123=15.3 15.5 16.5
ALT/AZ=36.5 78.7
fwAVG=2.83
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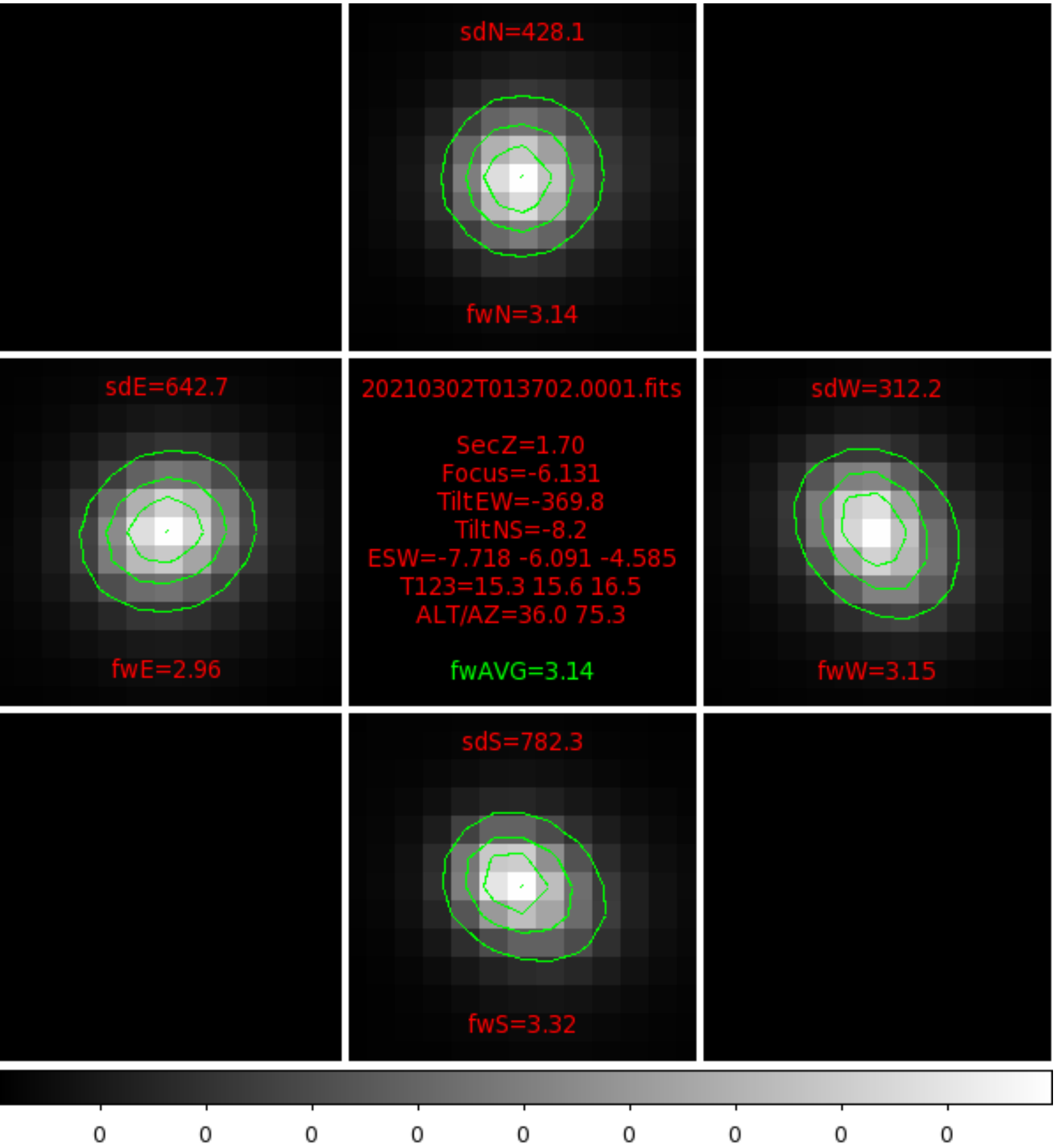
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SecZ=1.70
Focus=-6.131
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.718 -6.091 -4.585
T123=15.3 15.6 16.5
ALT/AZ=36.0 75.3
fwAVG=3.14
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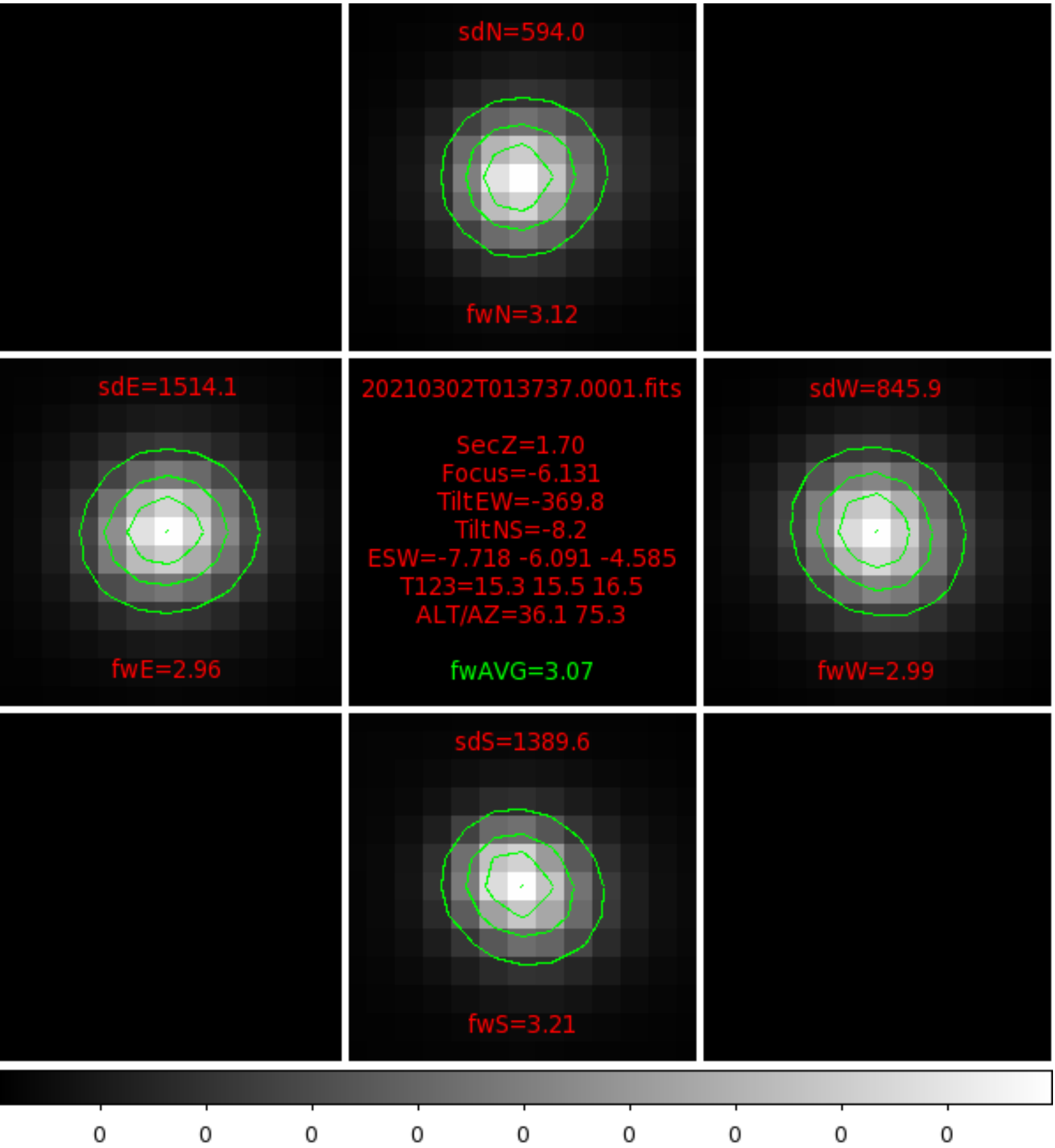
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20210302T013737.0001.fits
SecZ=1.70
Focus=-6.131
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.718 -6.091 -4.585
T123=15.3 15.5 16.5
ALT/AZ=36.1 75.3
fwAVG=3.07
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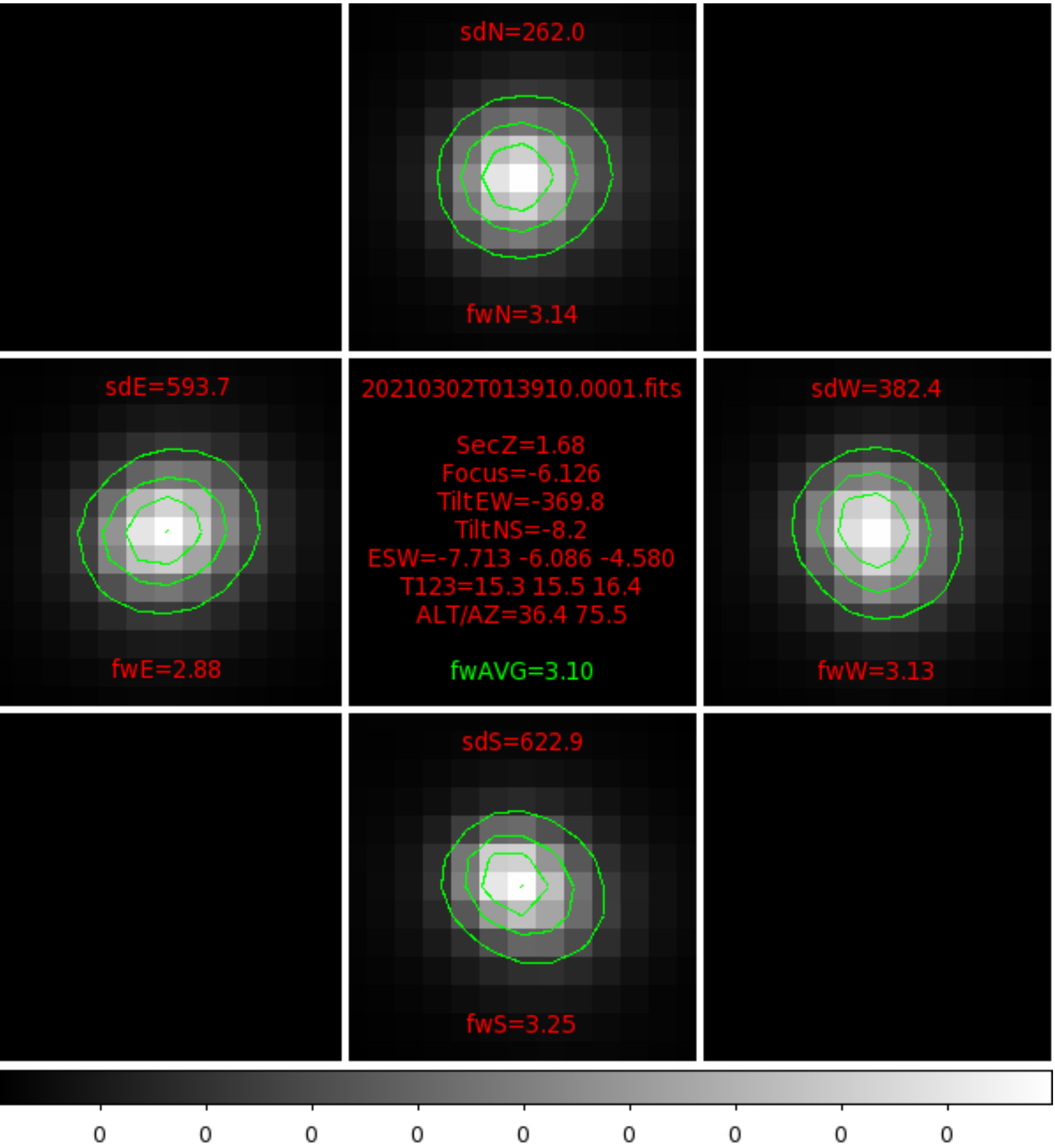
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SecZ=1.68
Focus=-6.126
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.713 -6.086 -4.580
T123=15.3 15.5 16.4
ALT/AZ=36.4 75.5
fwAVG=3.10
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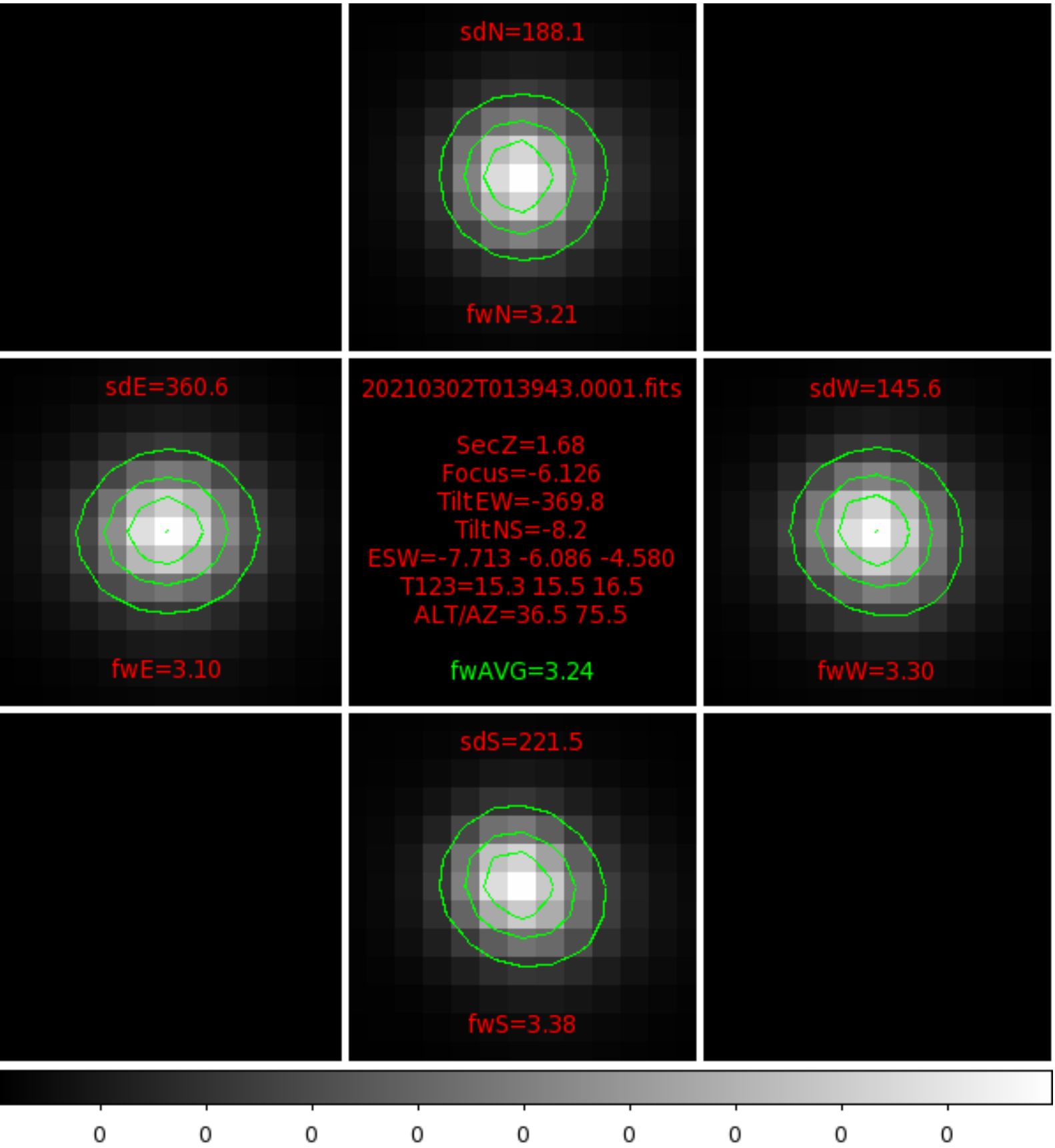
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SecZ=1.68
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.713 -6.086 -4.580
T123=15.3 15.5 16.5
ALT/AZ=36.5 75.5
fwAVG=3.24
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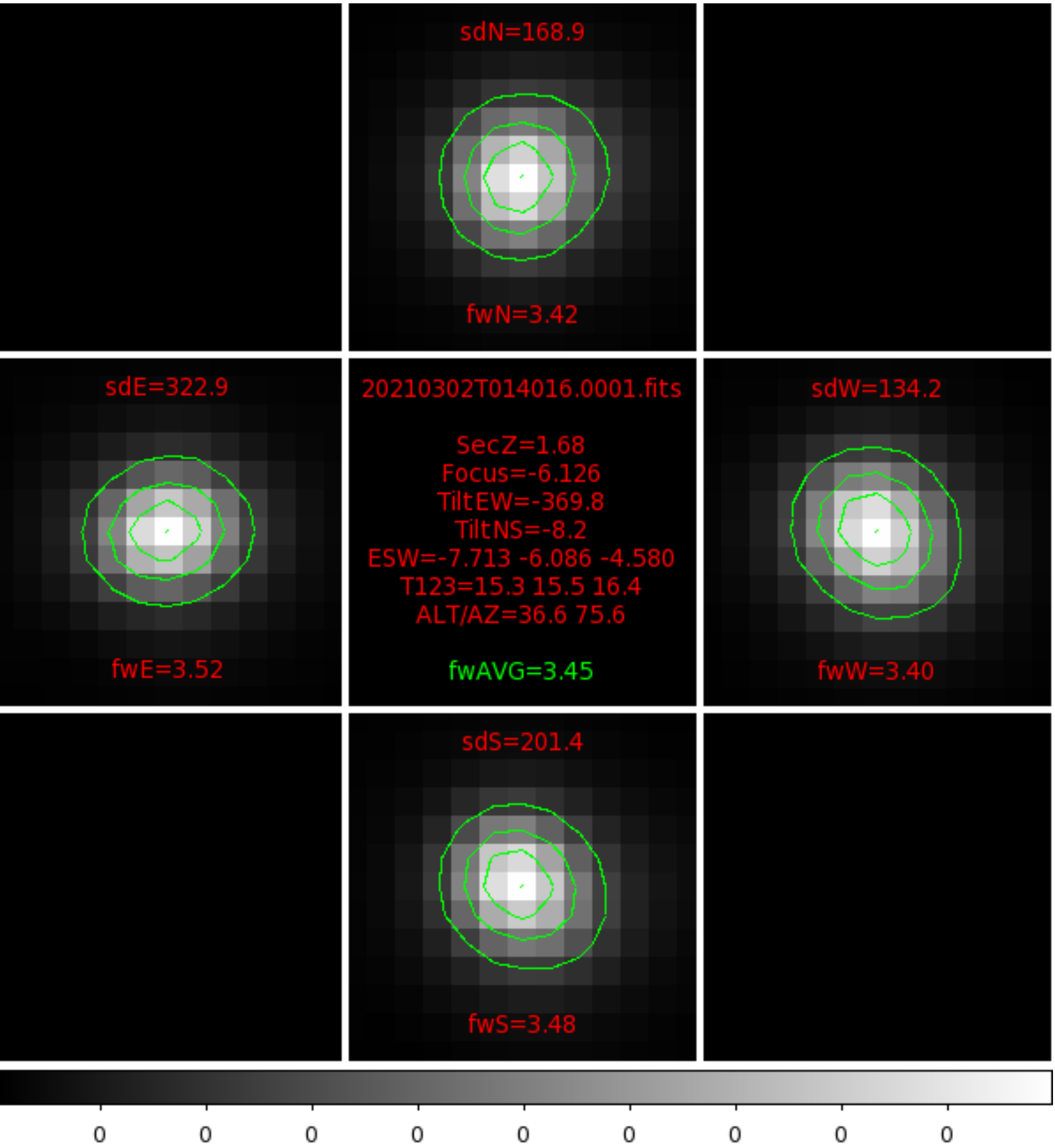
sdN=168.9
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20210302T014016.0001.fits
SecZ=1.68
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.713 -6.086 -4.580
T123=15.3 15.5 16.4
ALT/AZ=36.6 75.6
fwAVG=3.45
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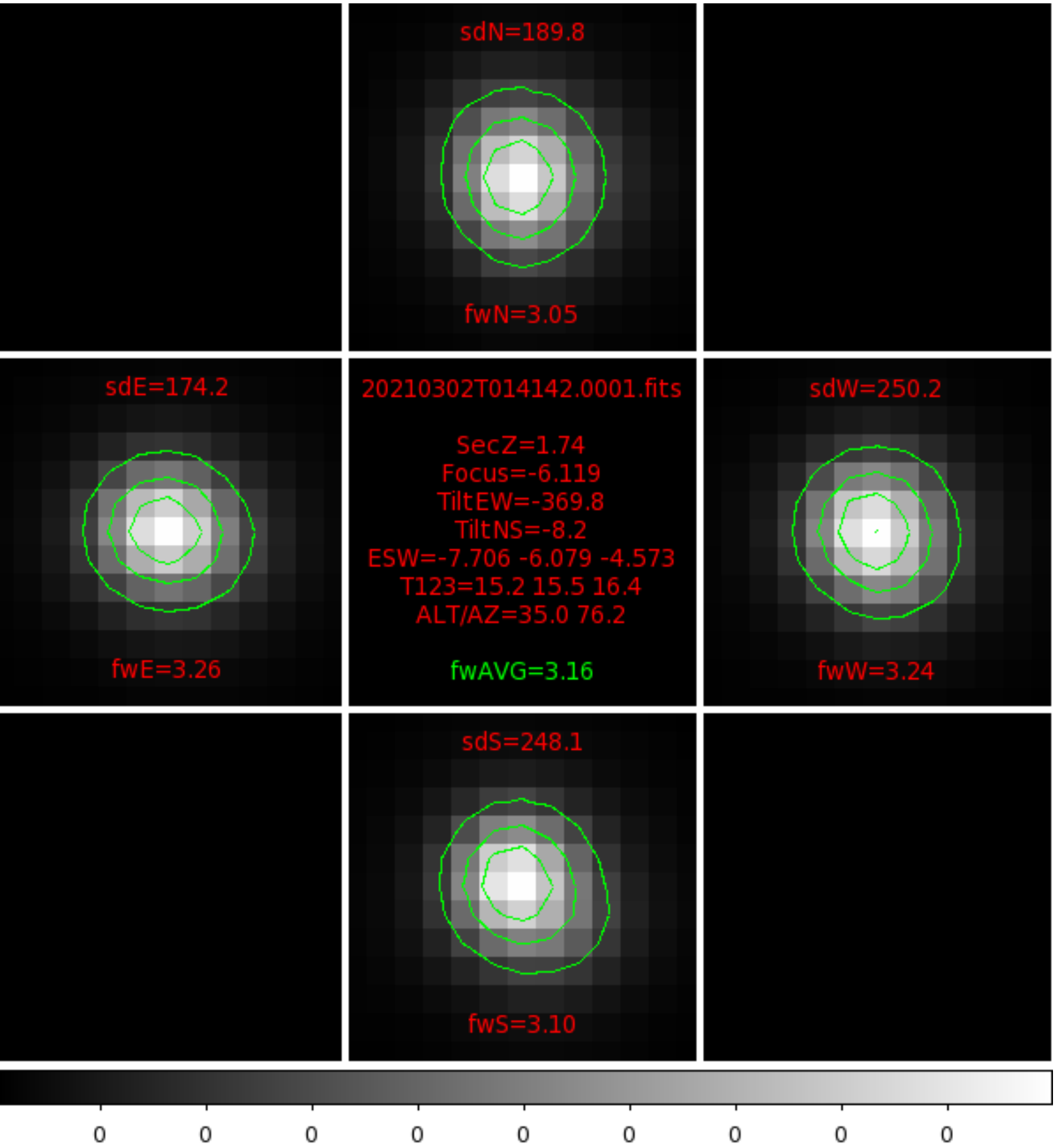
sdN=189.8
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20210302T014142.0001.fits
SecZ=1.74
Focus=-6.119
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.706 -6.079 -4.573
T123=15.2 15.5 16.4
ALT/AZ=35.0 76.2
fwAVG=3.16
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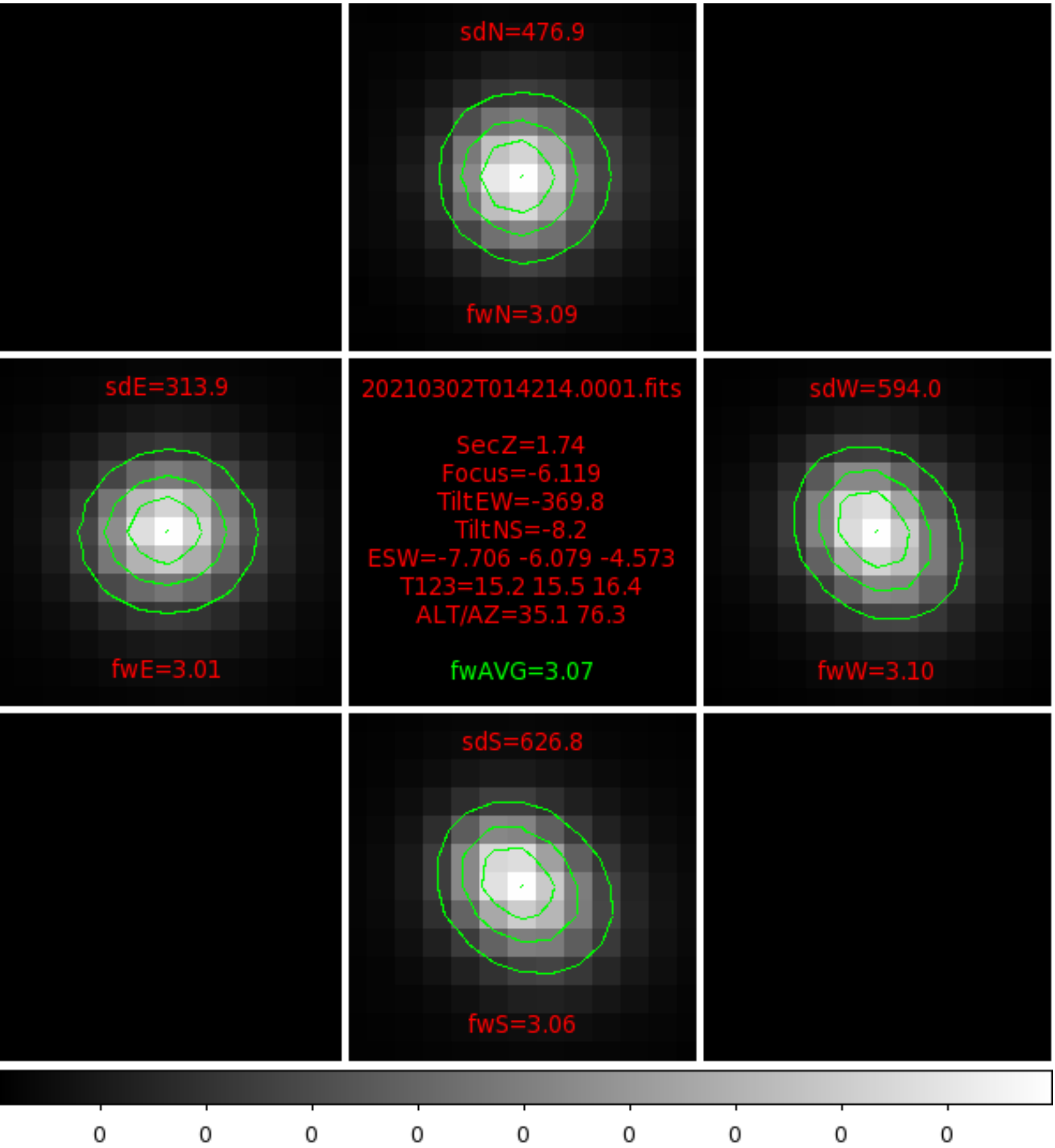
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.706 -6.079 -4.573
T123=15.2 15.5 16.4
ALT/AZ=35.1 76.3
fwAVG=3.07
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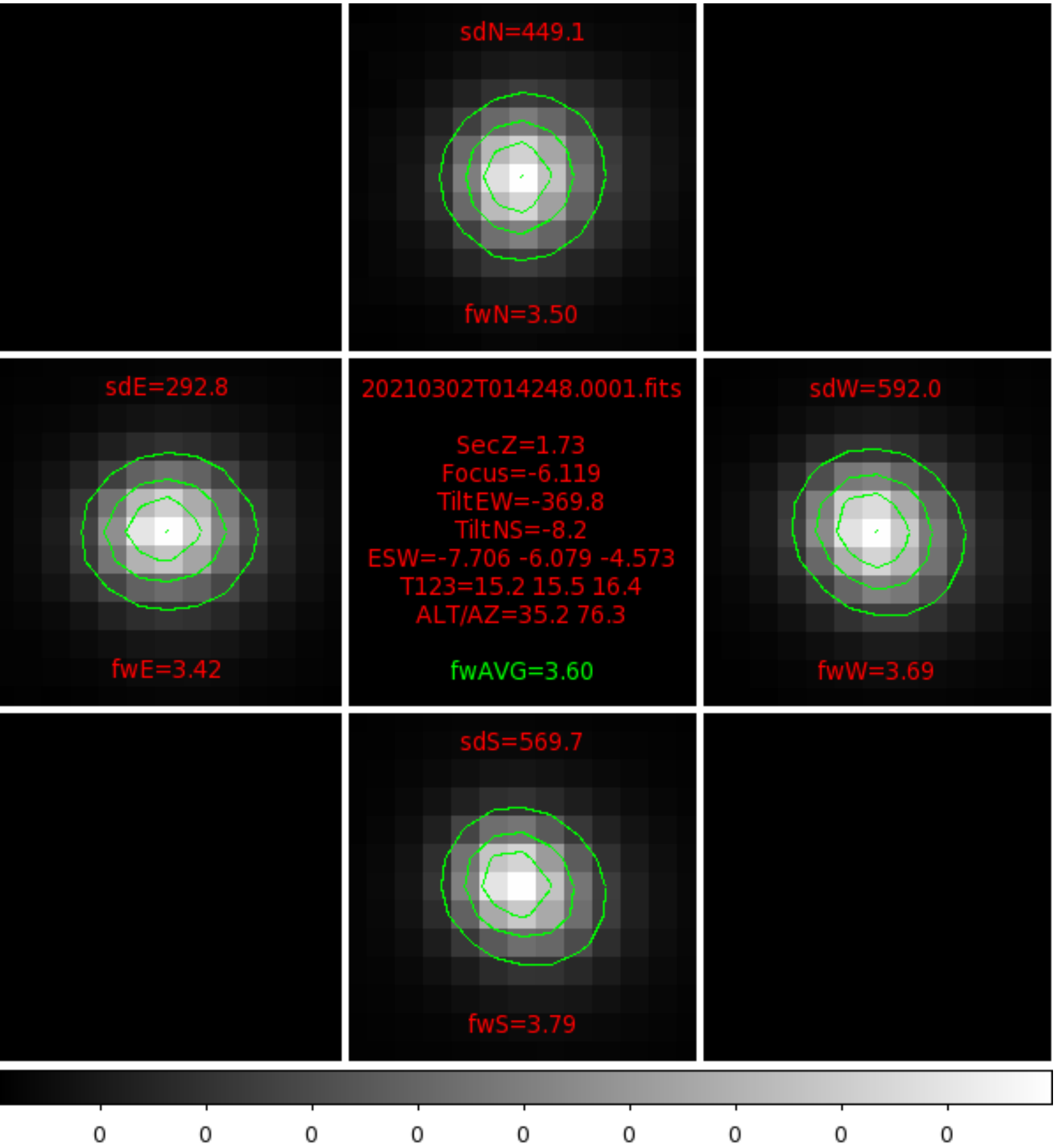
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SecZ=1.73
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.706 -6.079 -4.573
T123=15.2 15.5 16.4
ALT/AZ=35.2 76.3
fwAVG=3.60
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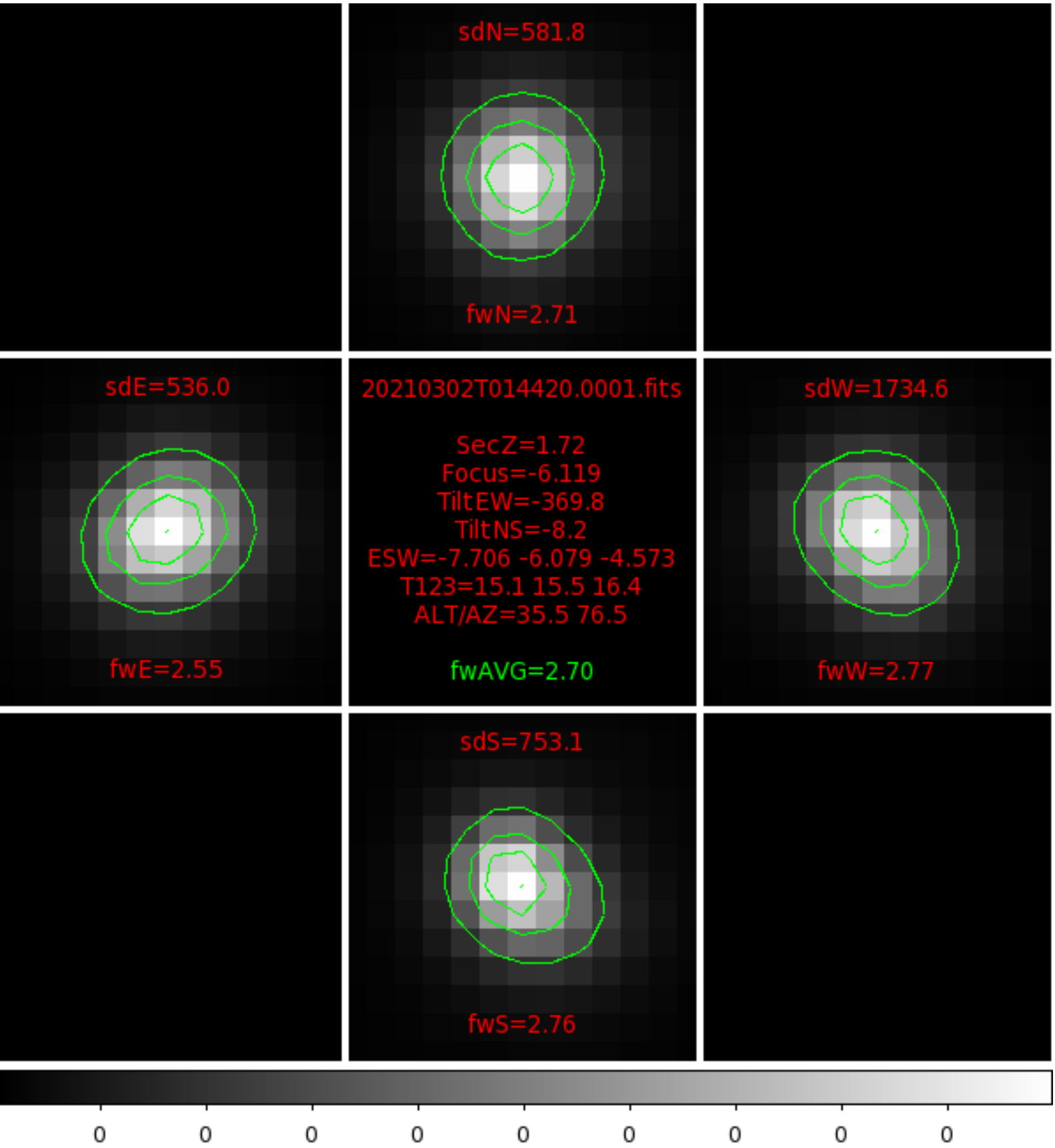
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SecZ=1.72
Focus=-6.119
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.706 -6.079 -4.573
T123=15.1 15.5 16.4
ALT/AZ=35.5 76.5
fwAVG=2.70
sdW=1734.6
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sdS=753.1
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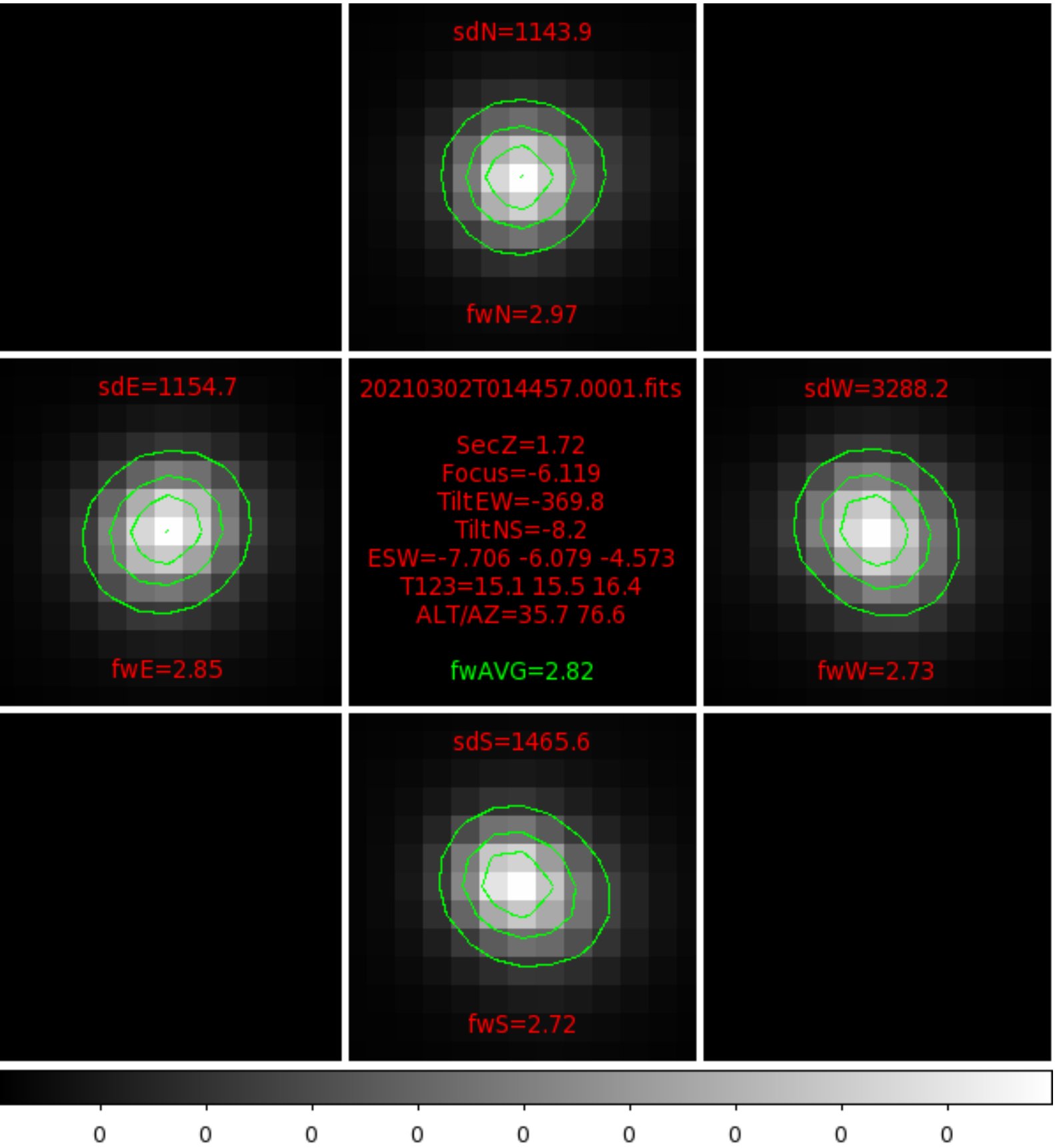
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SecZ=1.72
Focus=-6.119
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.706 -6.079 -4.573
T123=15.1 15.5 16.4
ALT/AZ=35.7 76.6
fwAVG=2.82
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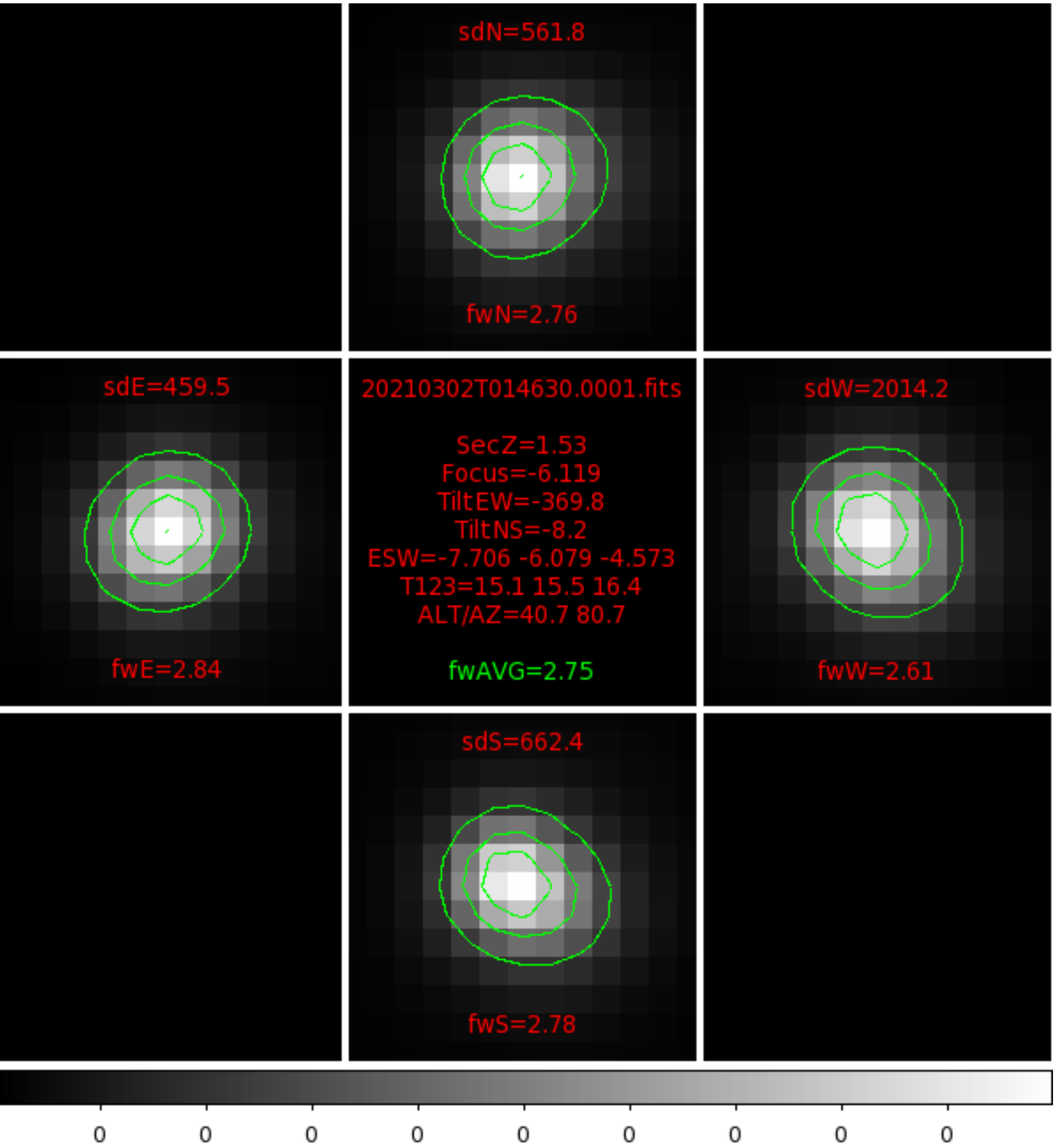
sdN=561.8
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SecZ=1.53
Focus=-6.119
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.706 -6.079 -4.573
T123=15.1 15.5 16.4
ALT/AZ=40.7 80.7
fwAVG=2.75
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sdS=662.4
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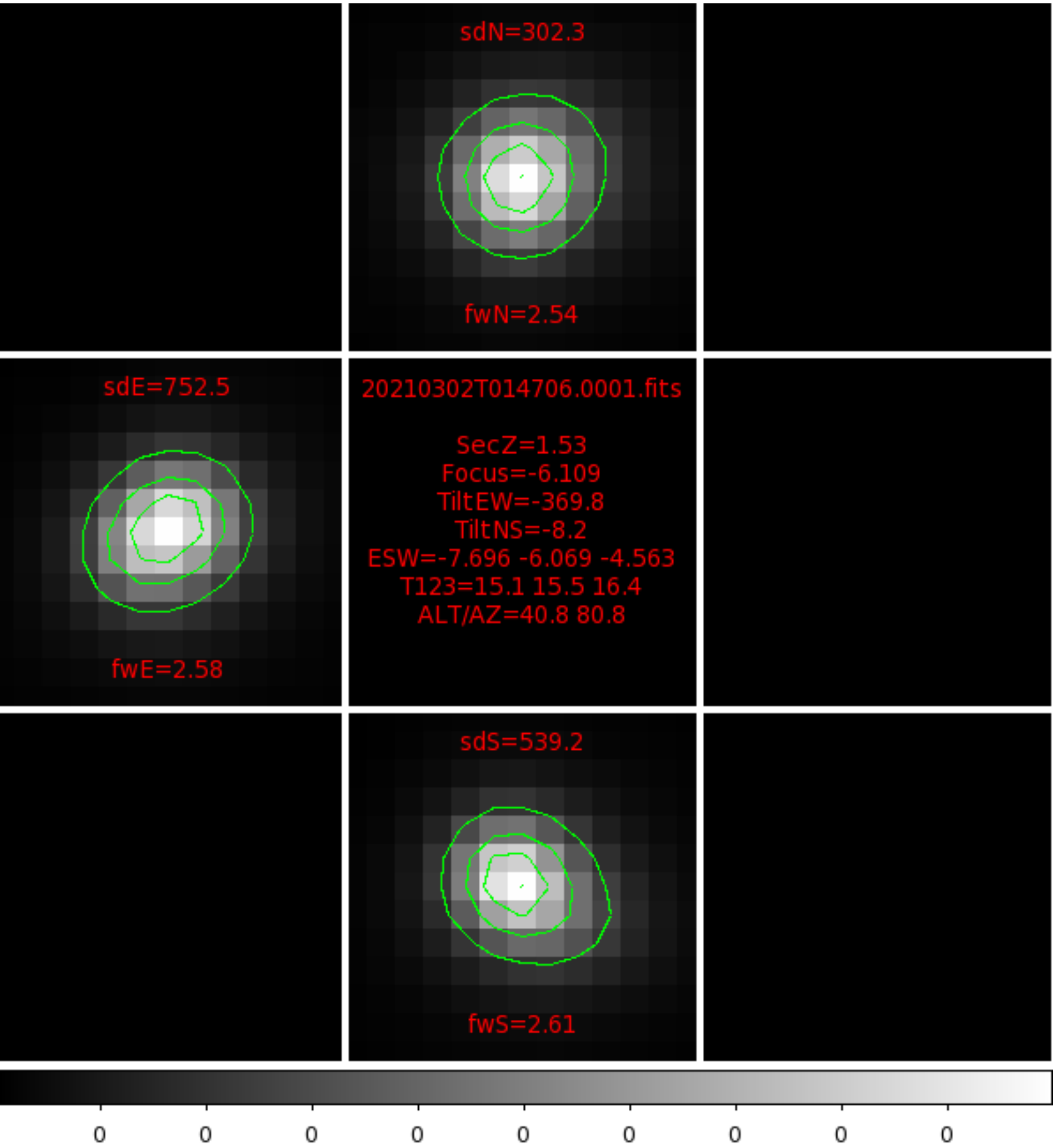
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Focus=-6.109
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=15.1 15.5 16.4
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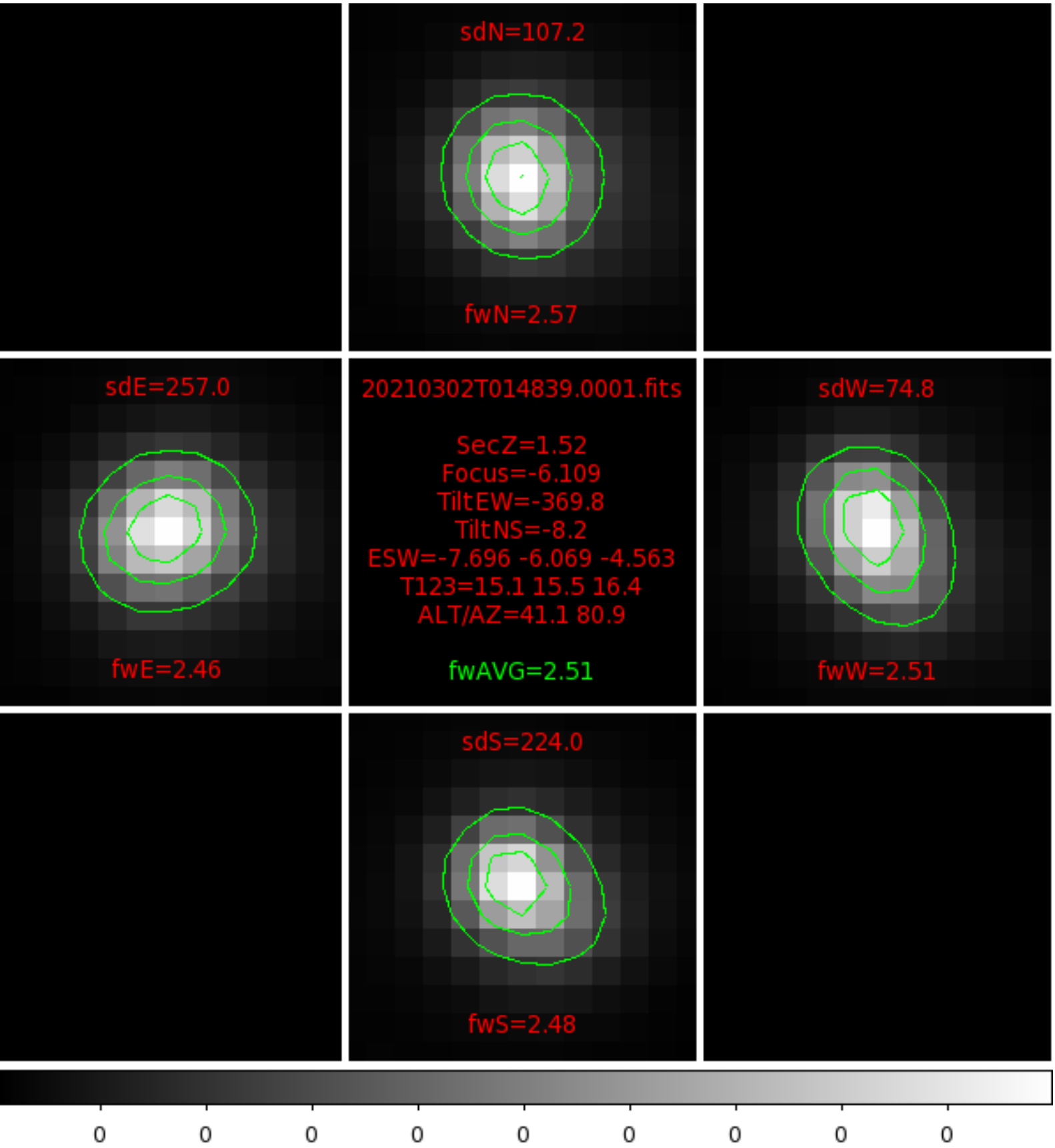
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Focus=-6.109
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=15.1 15.5 16.4
ALT/AZ=41.1 80.9
fwAVG=2.51
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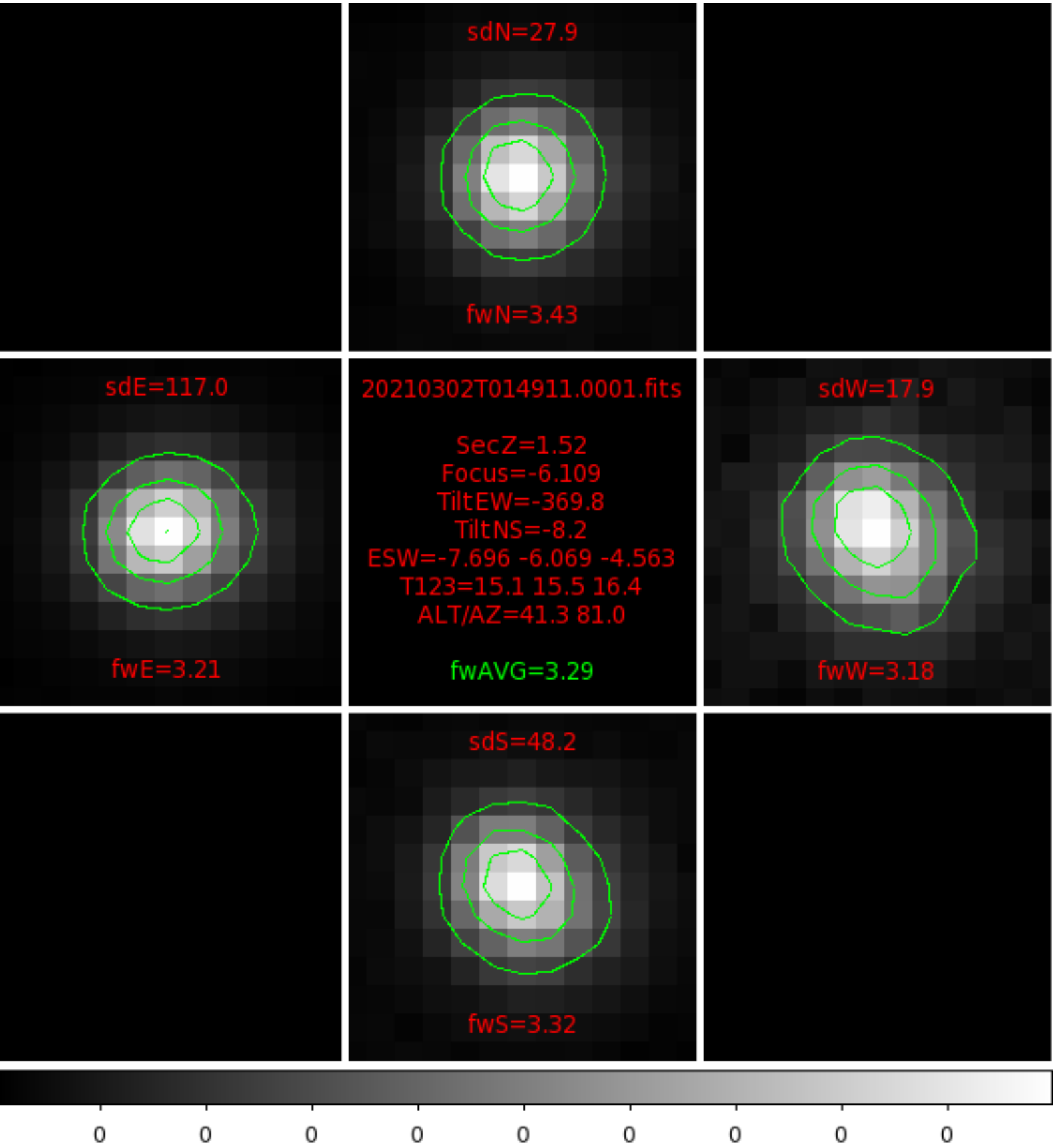
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SecZ=1.52
Focus=-6.109
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=15.1 15.5 16.4
ALT/AZ=41.3 81.0
fwAVG=3.29
sdW=17.9
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sdS=48.2
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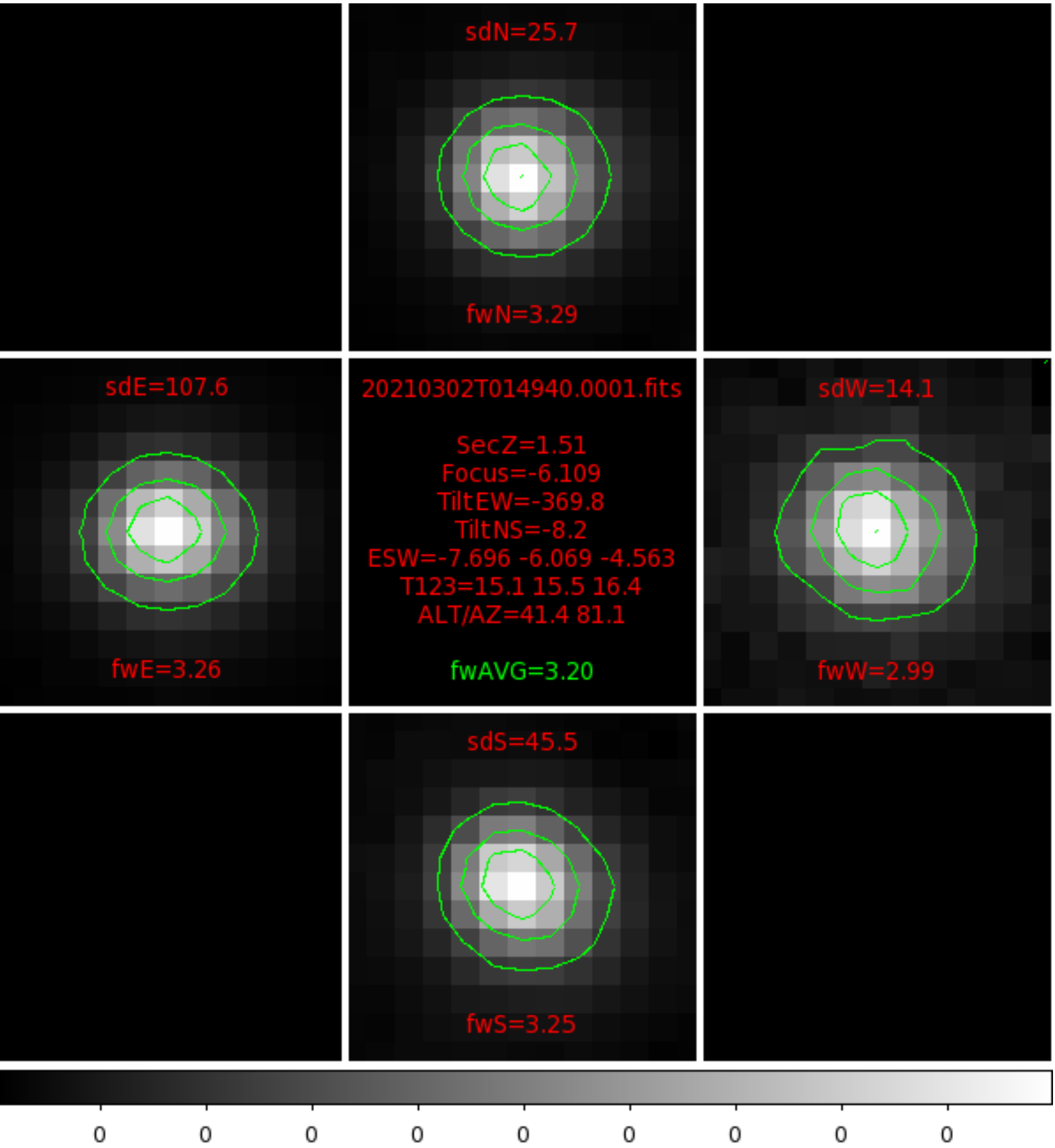
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SecZ=1.51
Focus=-6.109
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=15.1 15.5 16.4
ALT/AZ=41.4 81.1
fwAVG=3.20
sdW=14.1
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sdS=45.5
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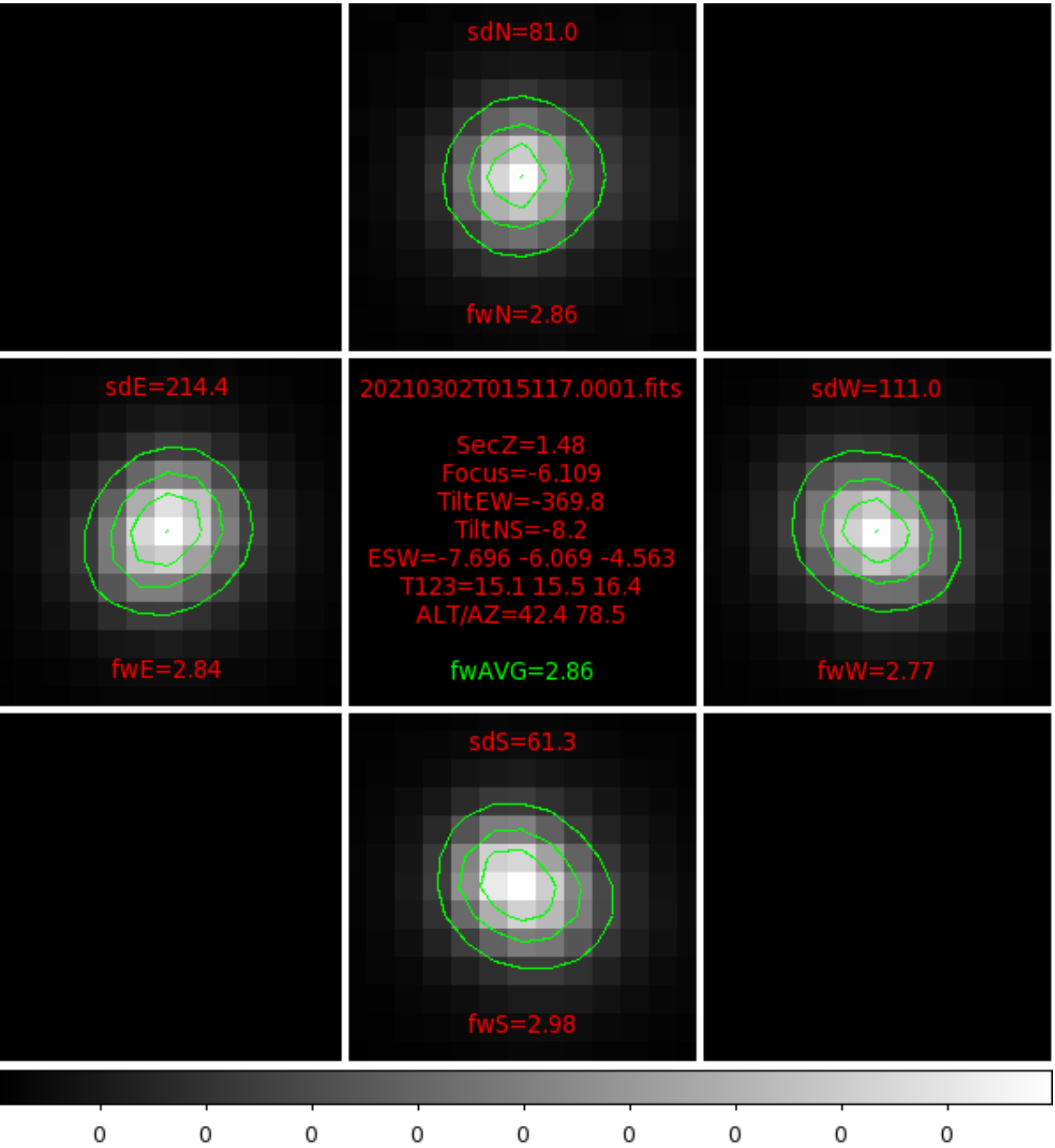
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SecZ=1.48
Focus=-6.109
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=15.1 15.5 16.4
ALT/AZ=42.4 78.5
fwAVG=2.86
sdW=111.0
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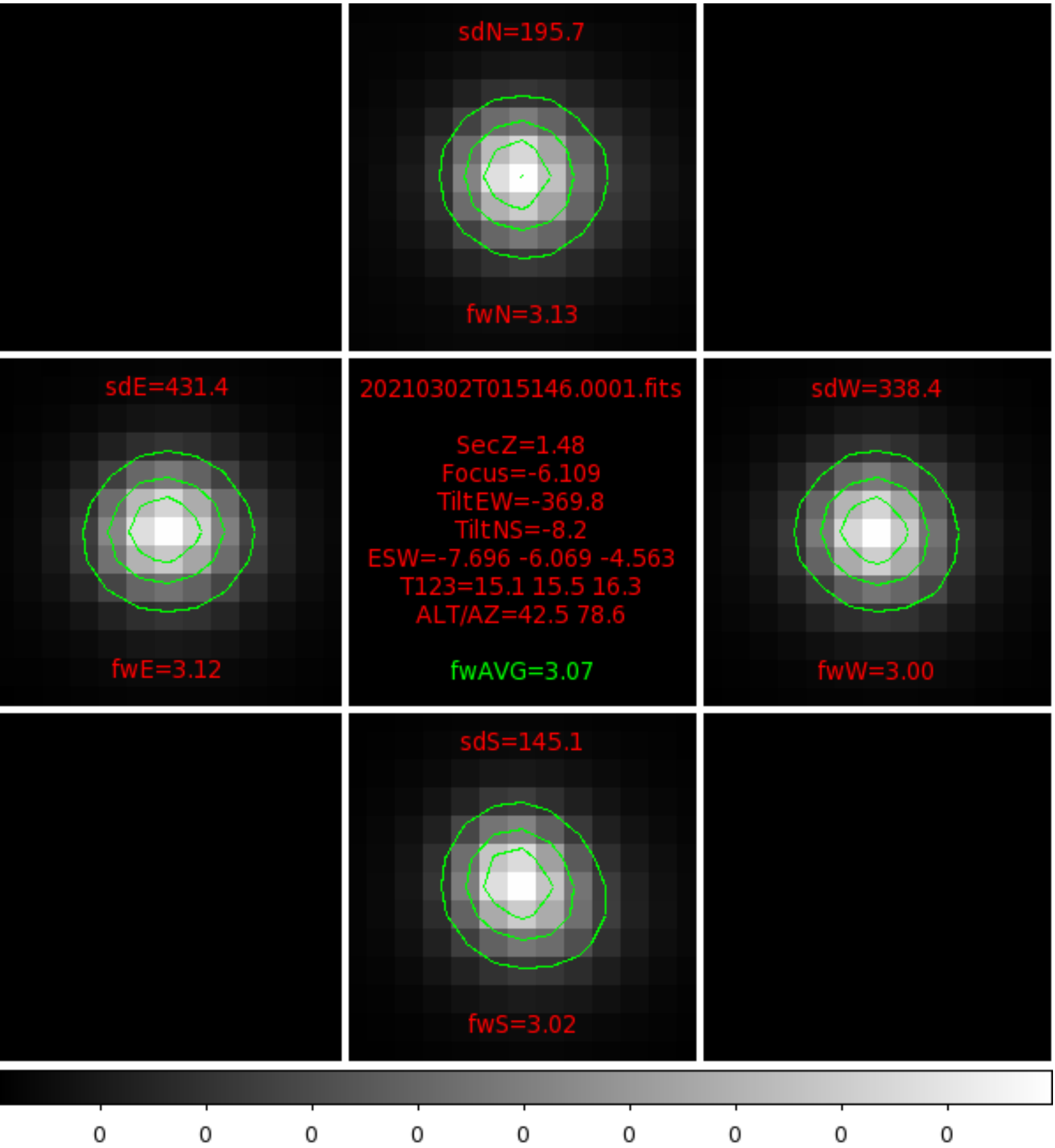
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SecZ=1.48
Focus=-6.109
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=15.1 15.5 16.3
ALT/AZ=42.5 78.6
fwAVG=3.07
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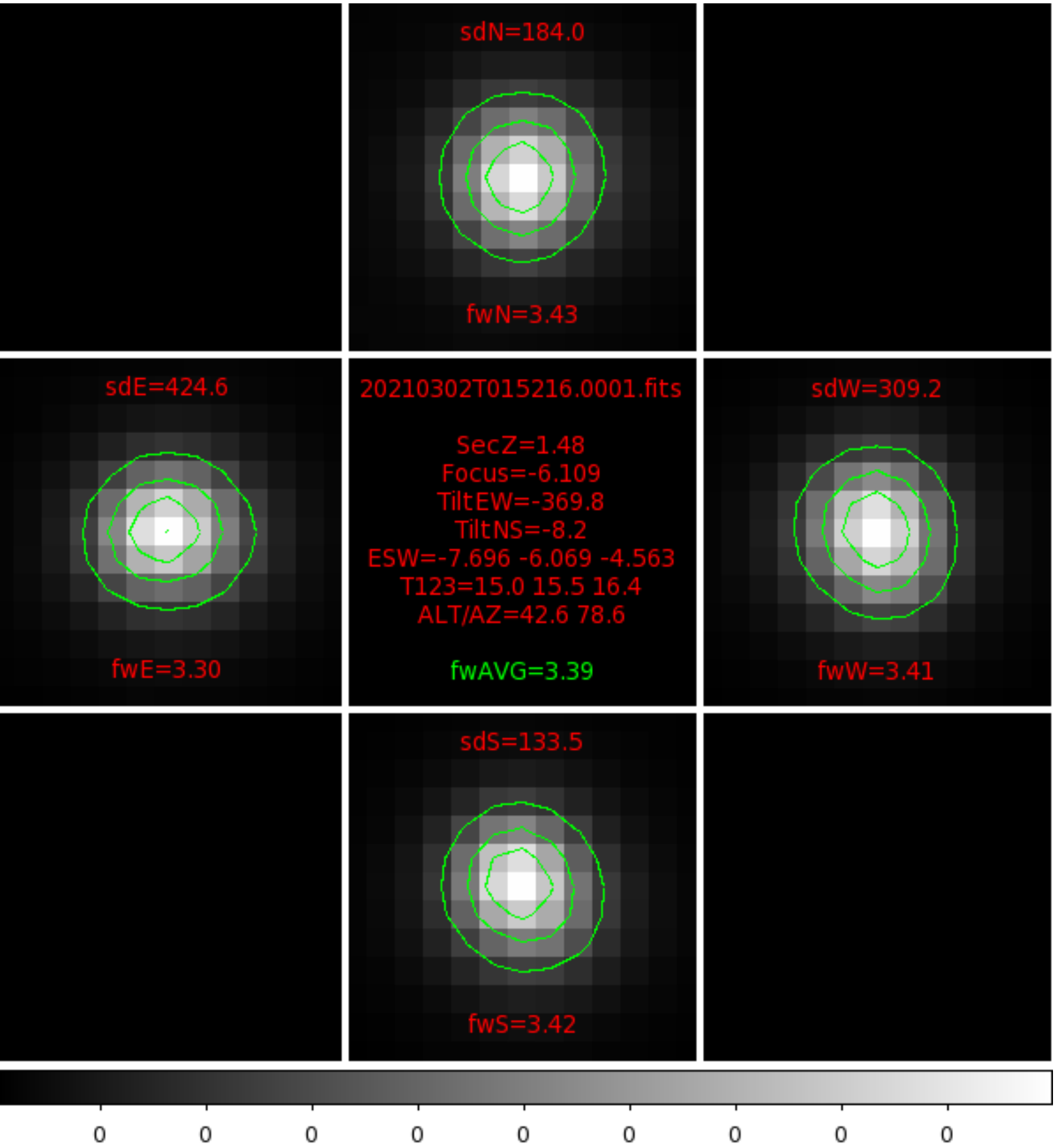
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SecZ=1.48
Focus=-6.109
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=15.0 15.5 16.4
ALT/AZ=42.6 78.6
fwAVG=3.39
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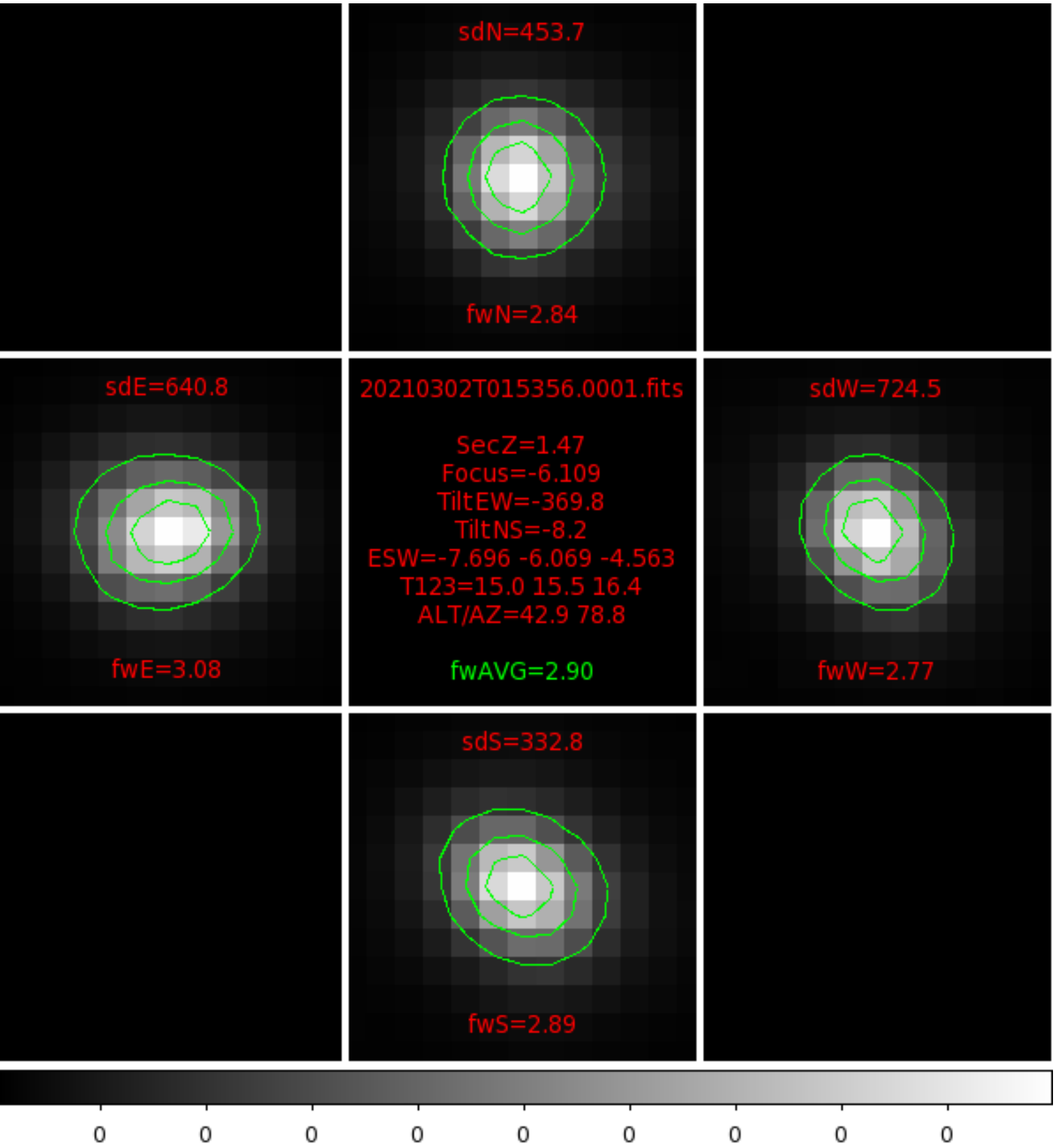
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Focus=-6.109
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ESW=-7.696 -6.069 -4.563
T123=15.0 15.5 16.4
ALT/AZ=42.9 78.8
fwAVG=2.90
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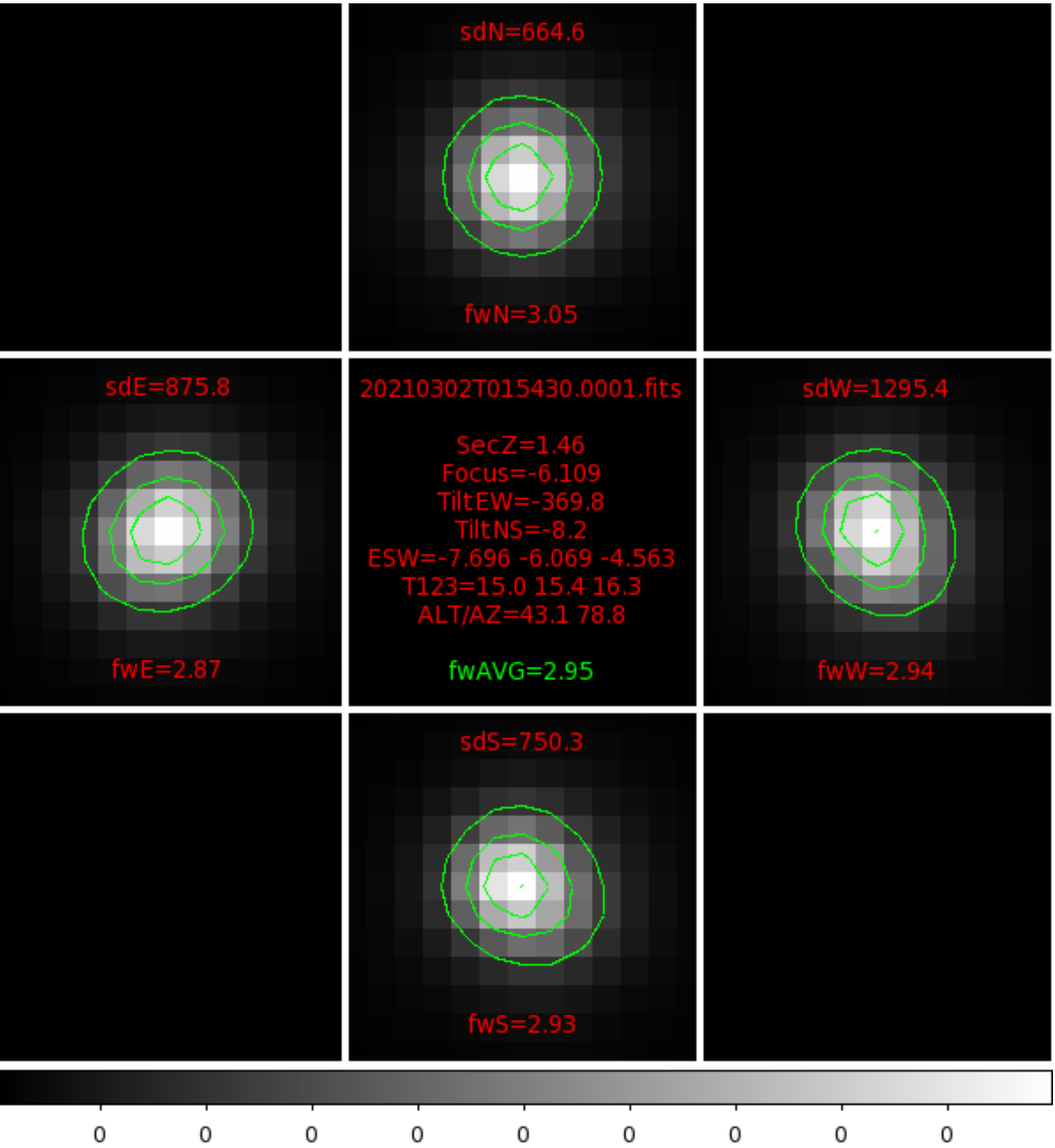
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SecZ=1.46
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=15.0 15.4 16.3
ALT/AZ=43.1 78.8
fwAVG=2.95
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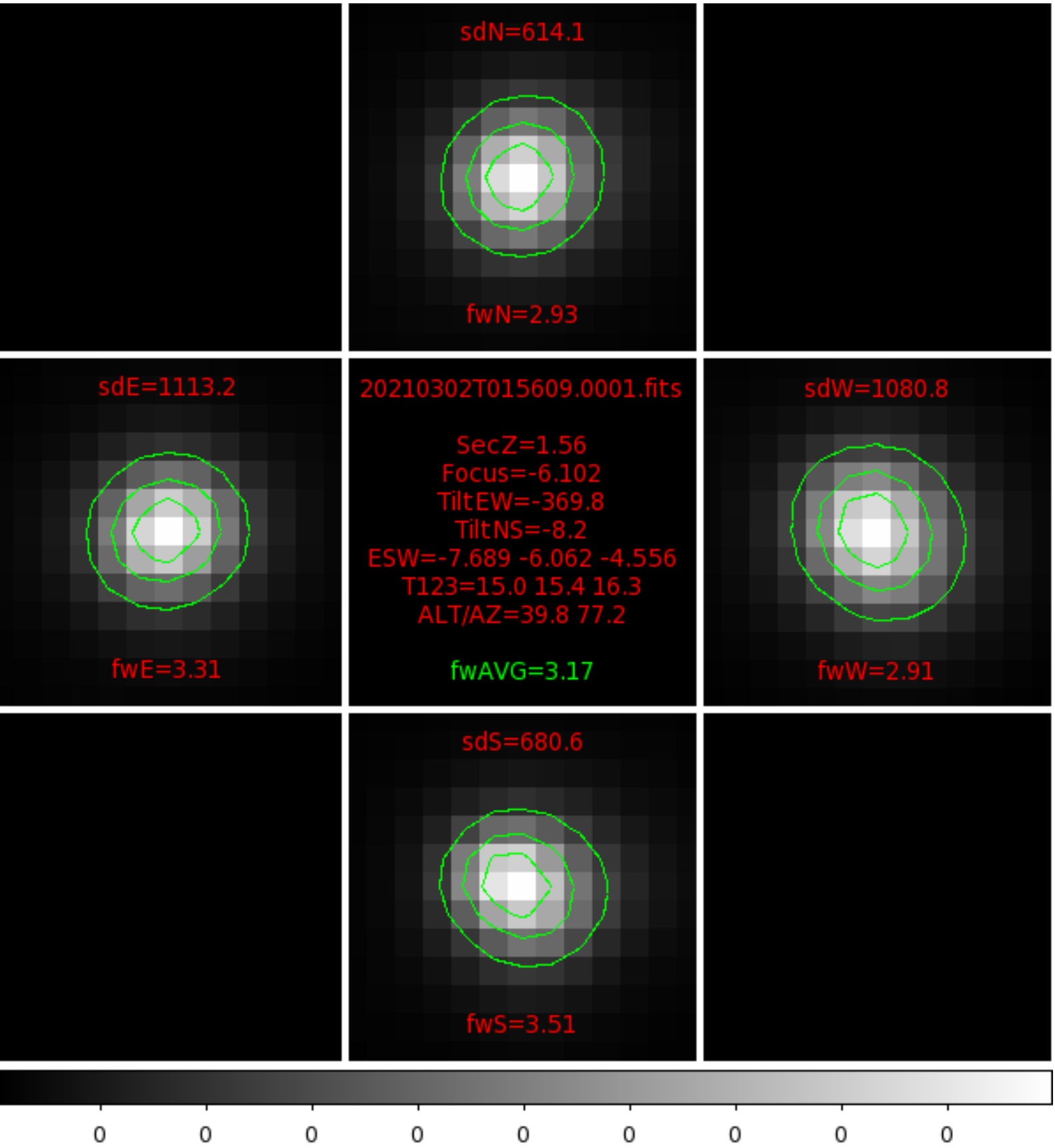
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SecZ=1.56
Focus=-6.102
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=15.0 15.4 16.3
ALT/AZ=39.8 77.2
fwAVG=3.17
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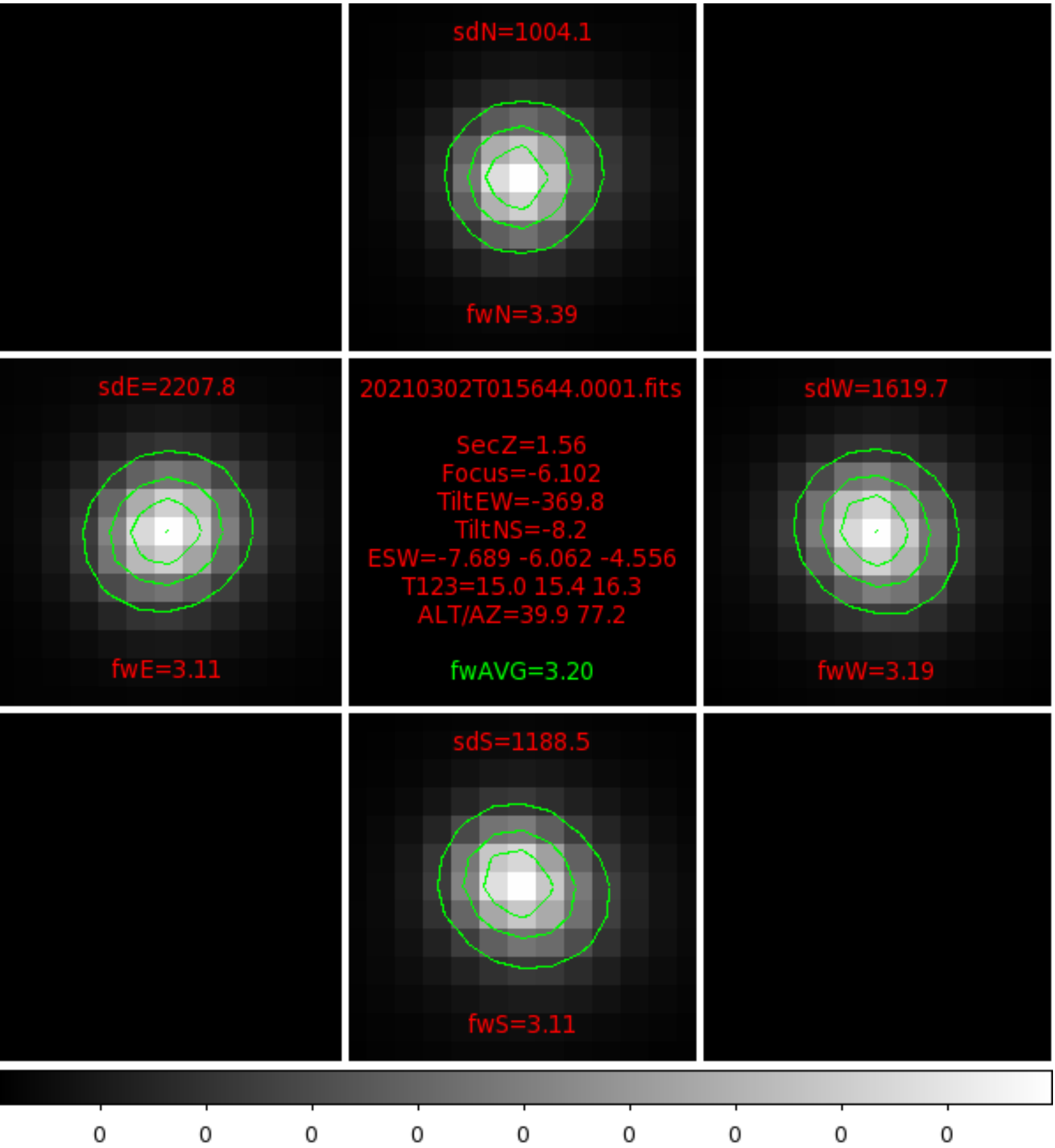
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TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=15.0 15.4 16.3
ALT/AZ=39.9 77.2
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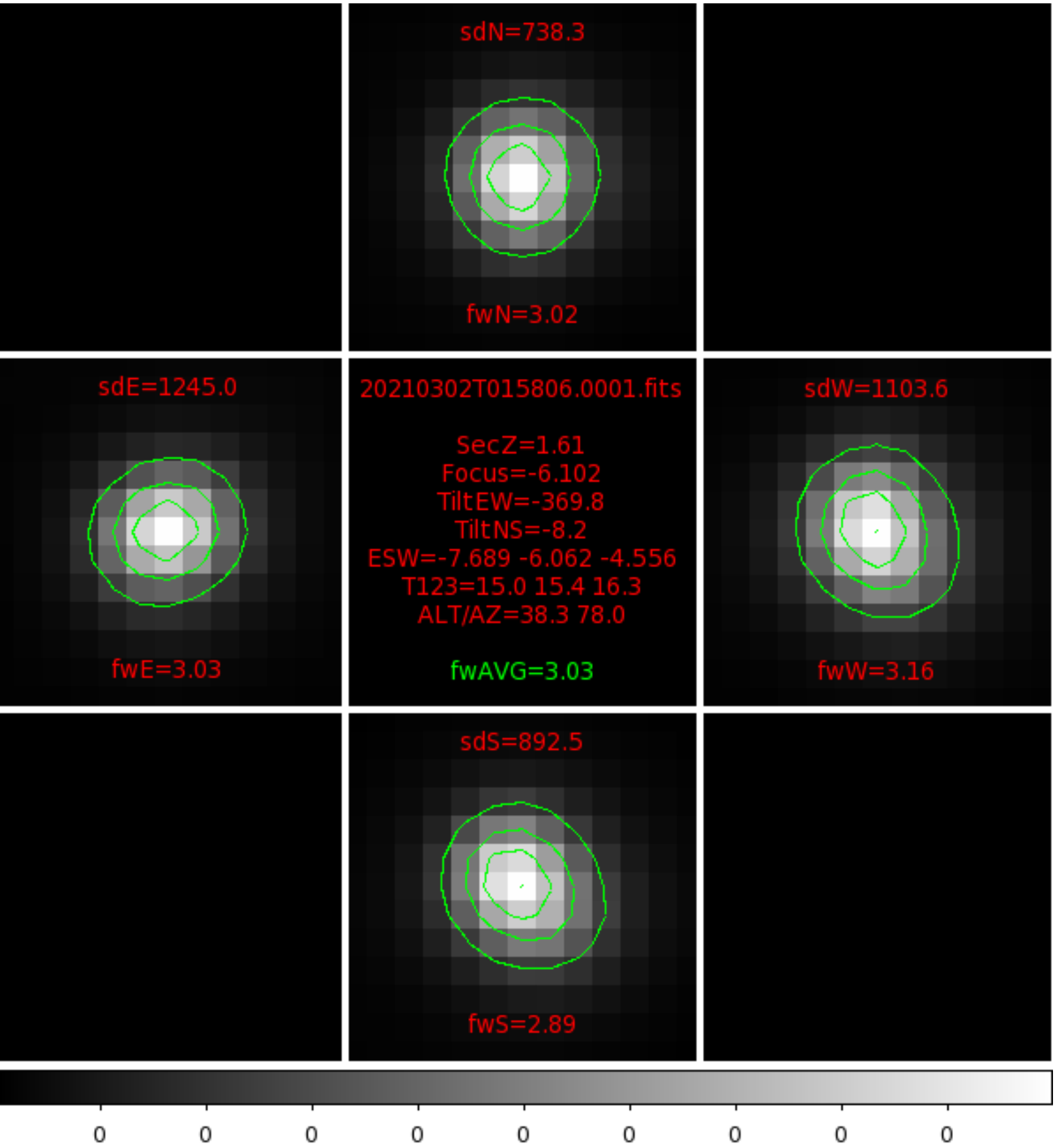
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SecZ=1.61
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=15.0 15.4 16.3
ALT/AZ=38.3 78.0
fwAVG=3.03
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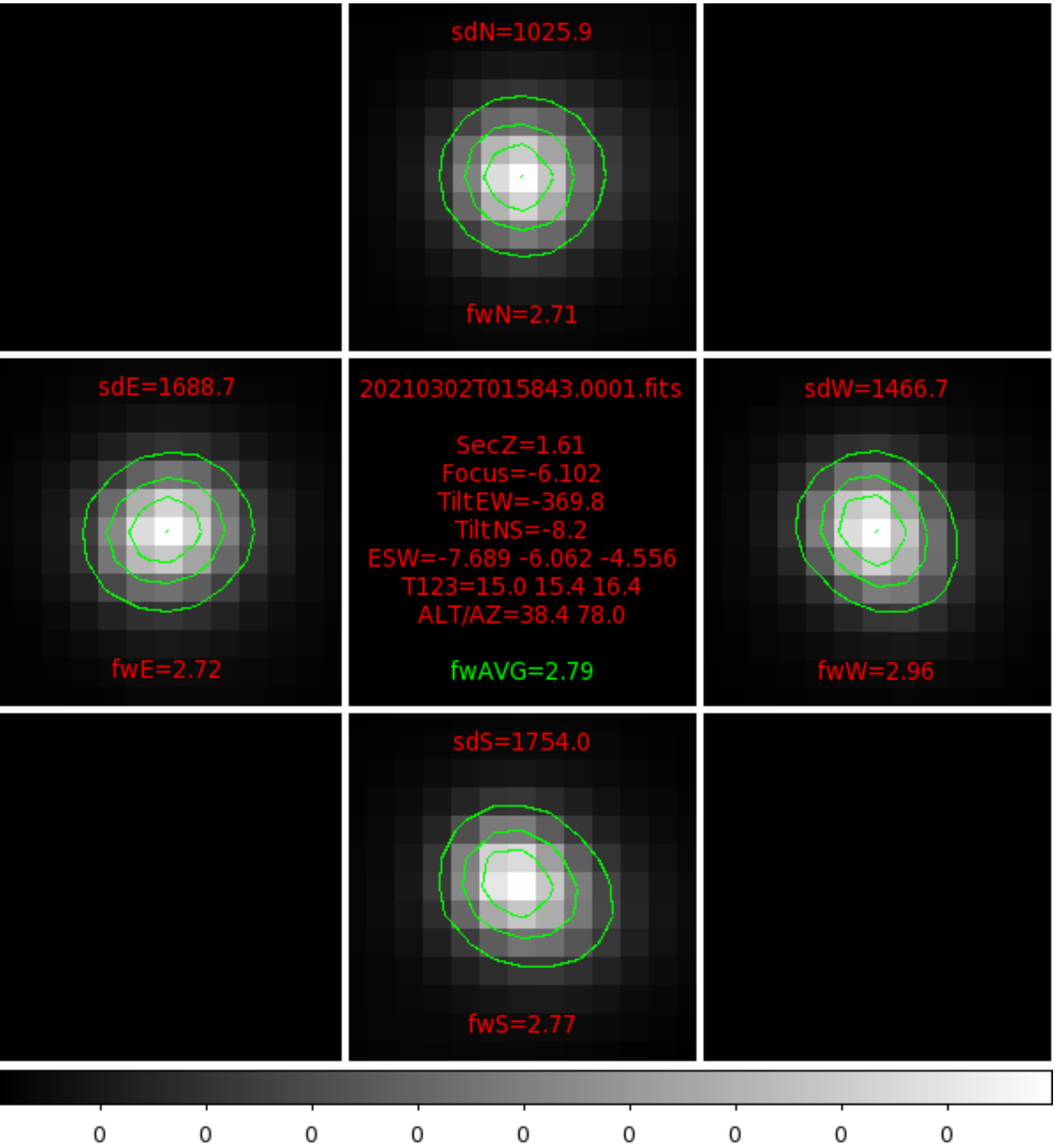
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SecZ=1.61
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TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=15.0 15.4 16.4
ALT/AZ=38.4 78.0
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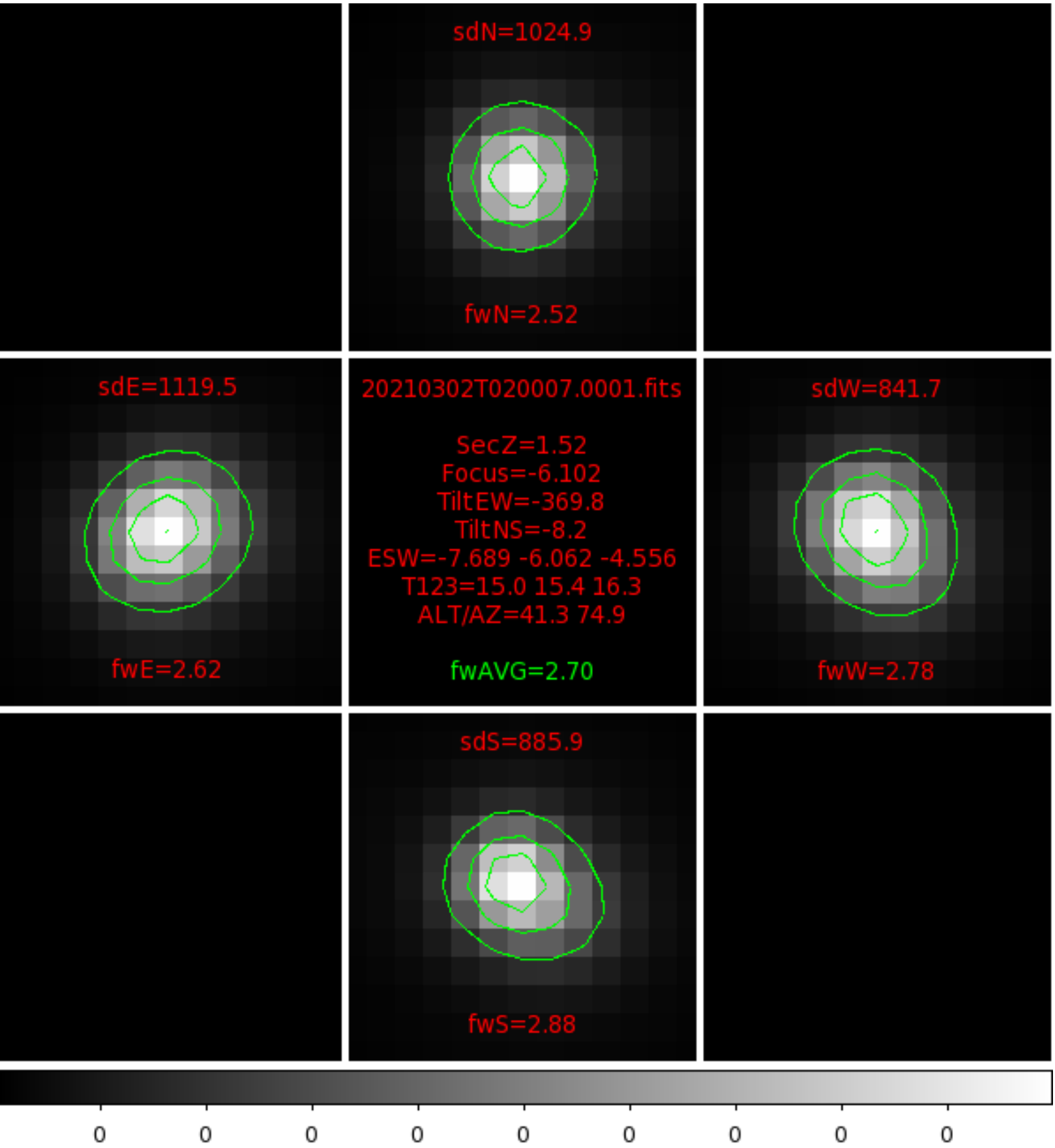
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SecZ=1.52
Focus=-6.102
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=15.0 15.4 16.3
ALT/AZ=41.3 74.9
fwAVG=2.70
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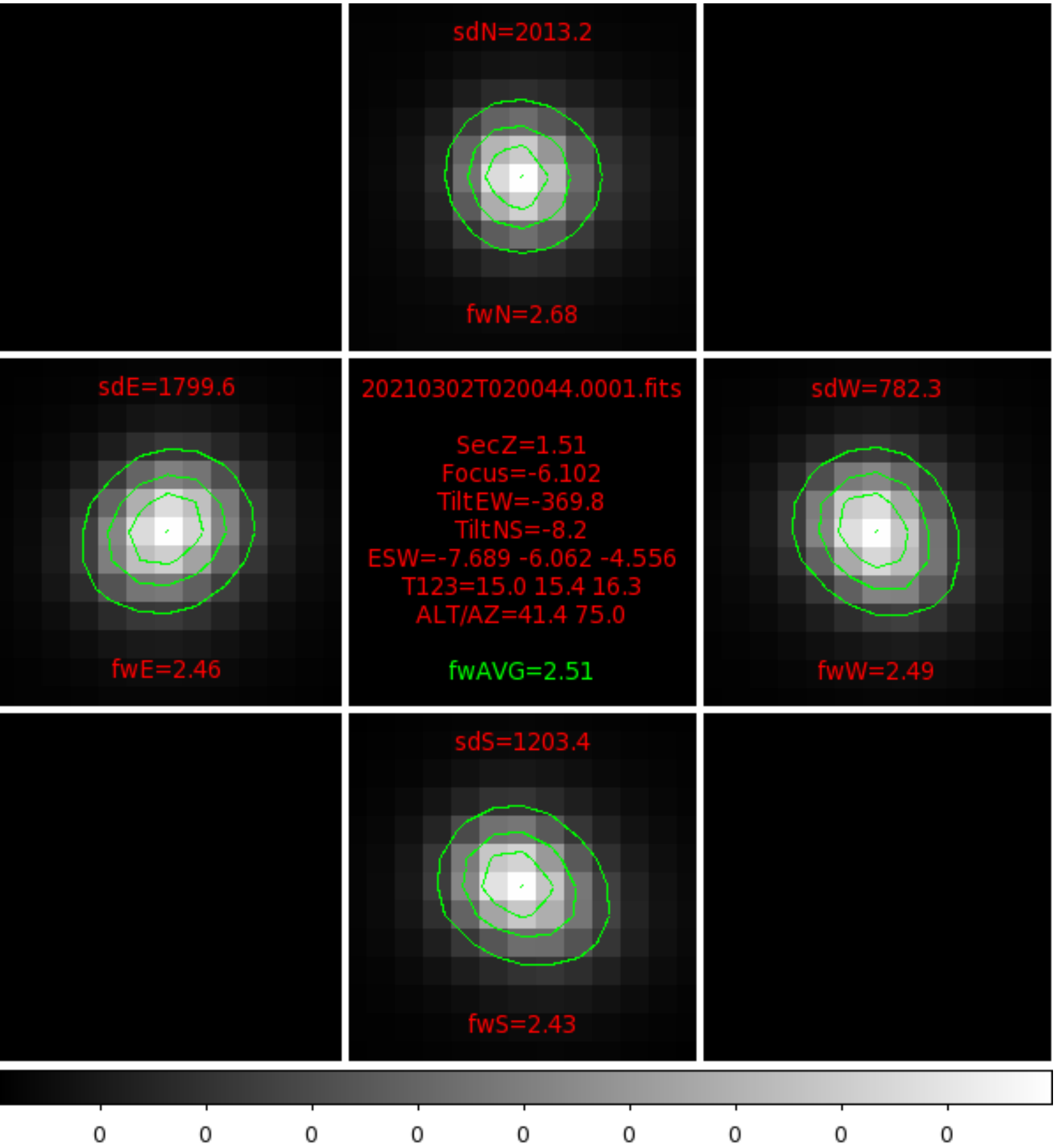
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sdE=1799.6
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SecZ=1.51
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TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=15.0 15.4 16.3
ALT/AZ=41.4 75.0
fwAVG=2.51
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sdS=1203.4
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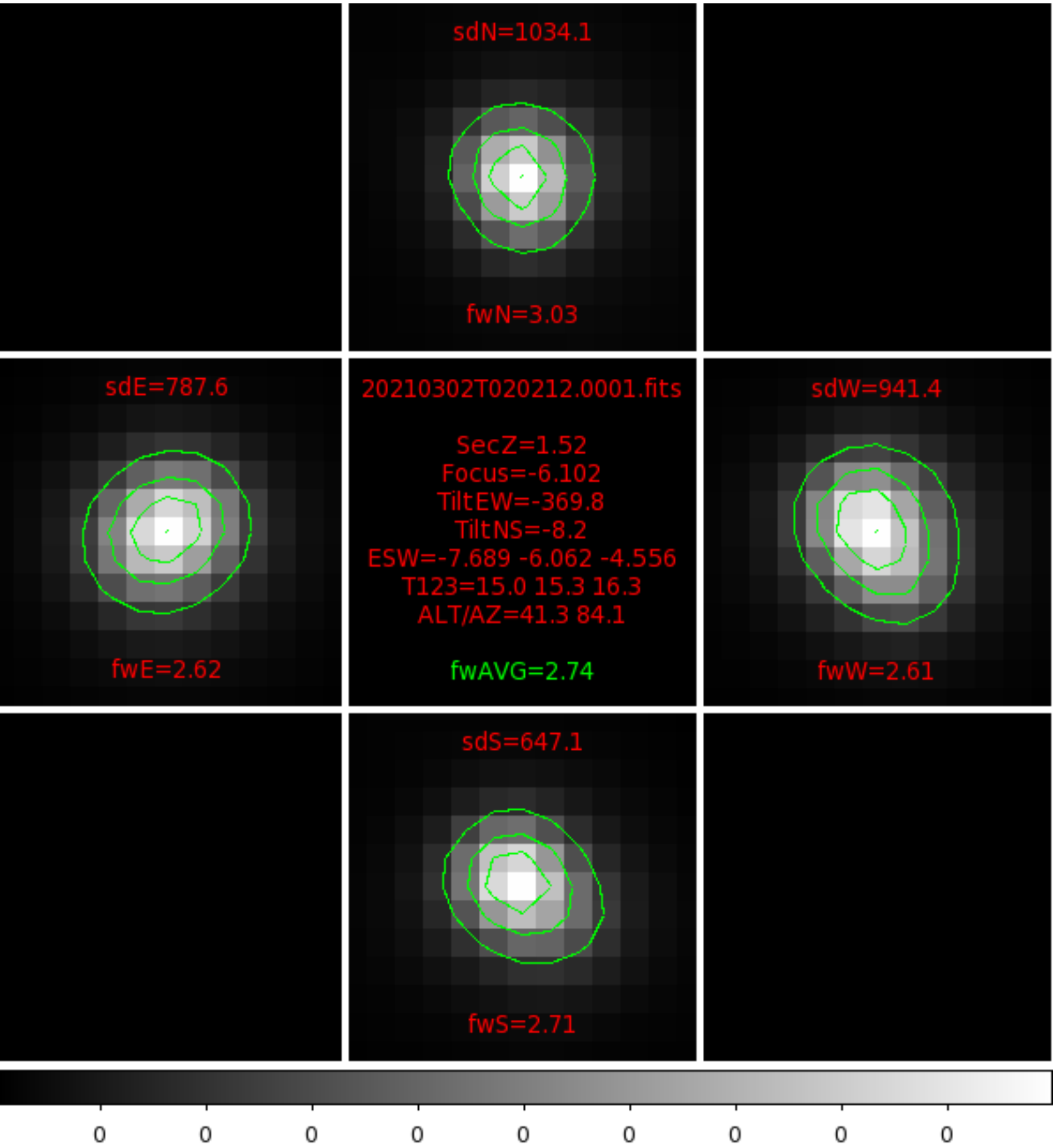
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sdE=787.6
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SecZ=1.52
Focus=-6.102
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=15.0 15.3 16.3
ALT/AZ=41.3 84.1
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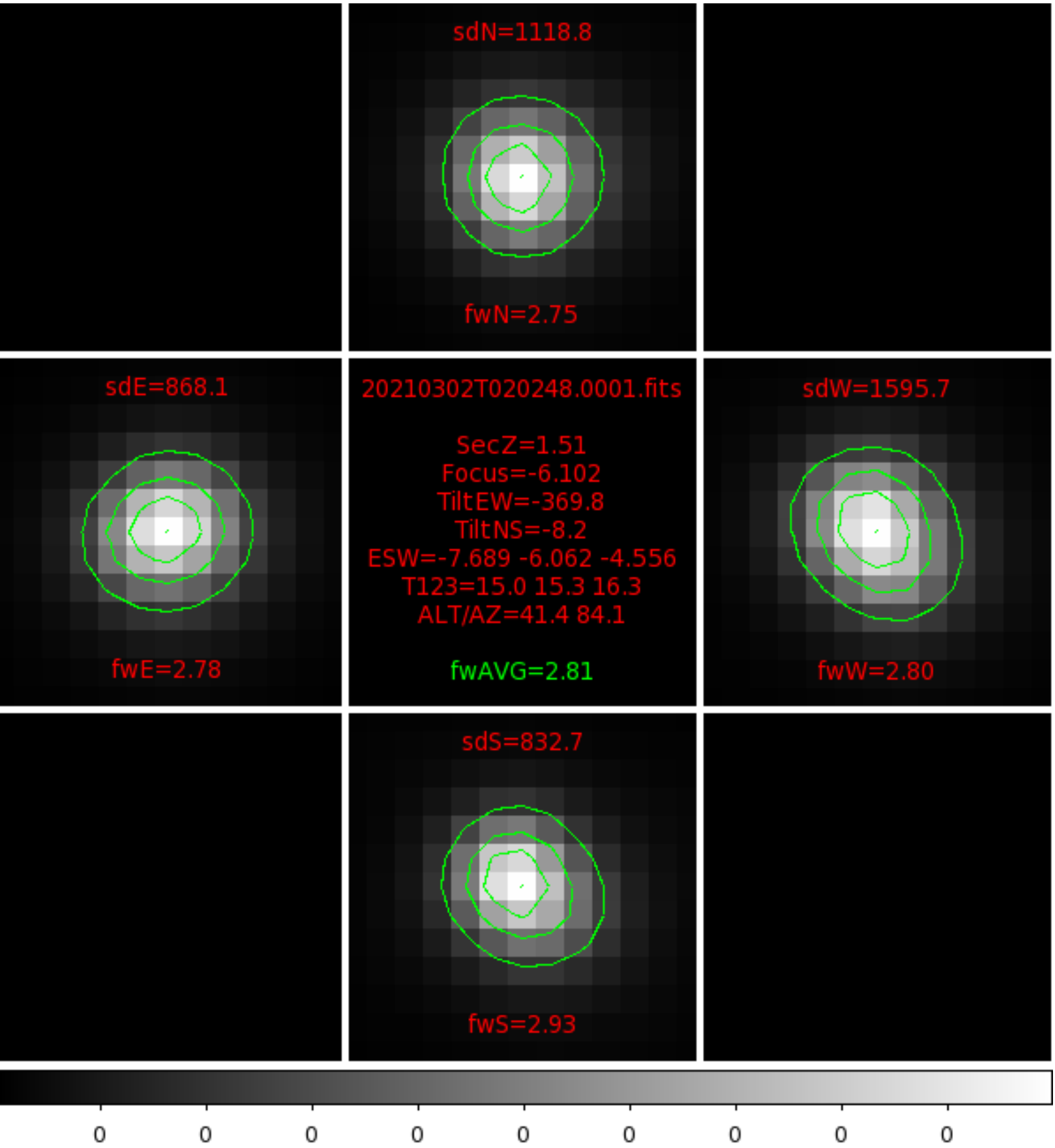
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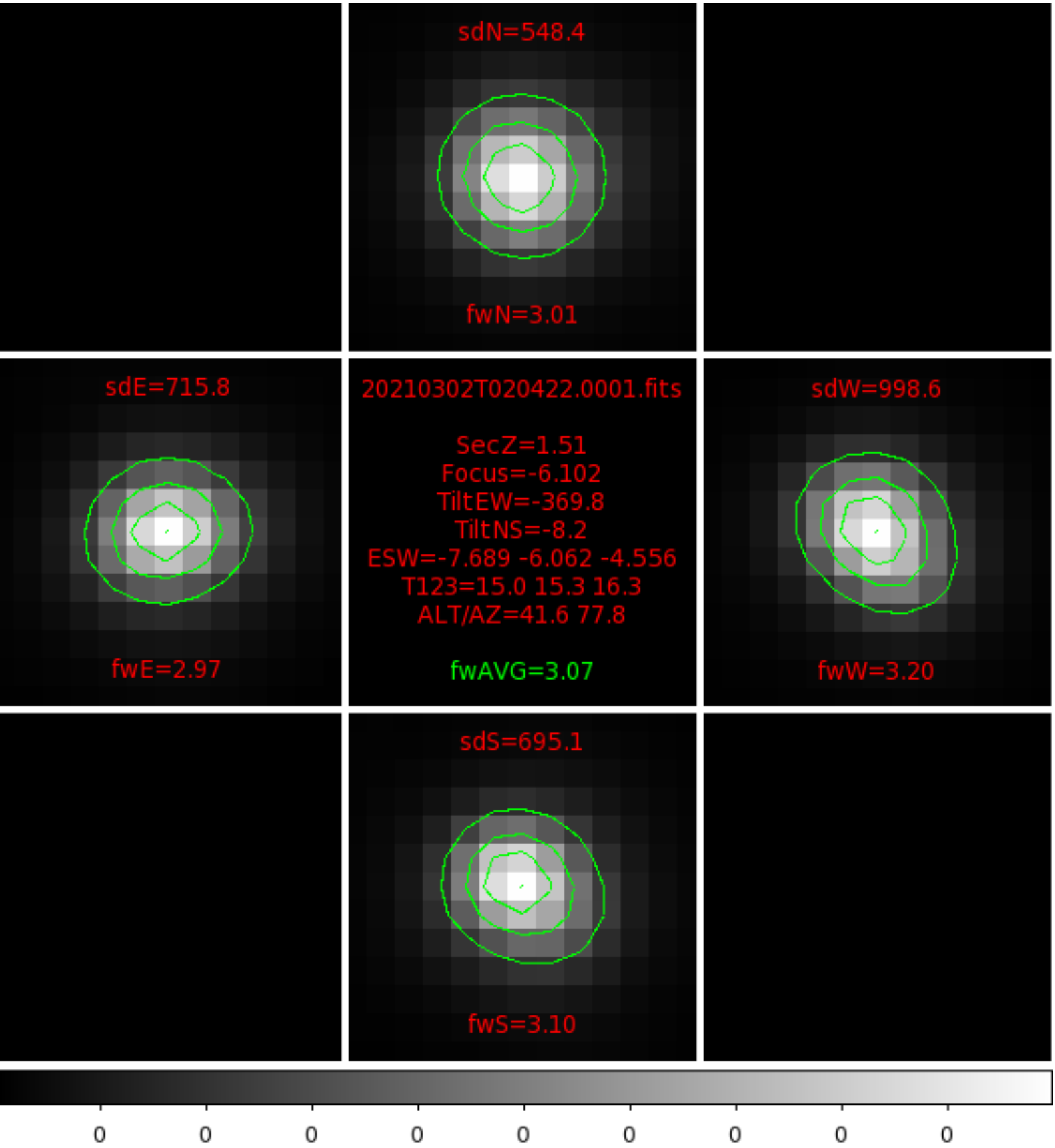
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ESW=-7.689 -6.062 -4.556
T123=15.0 15.3 16.3
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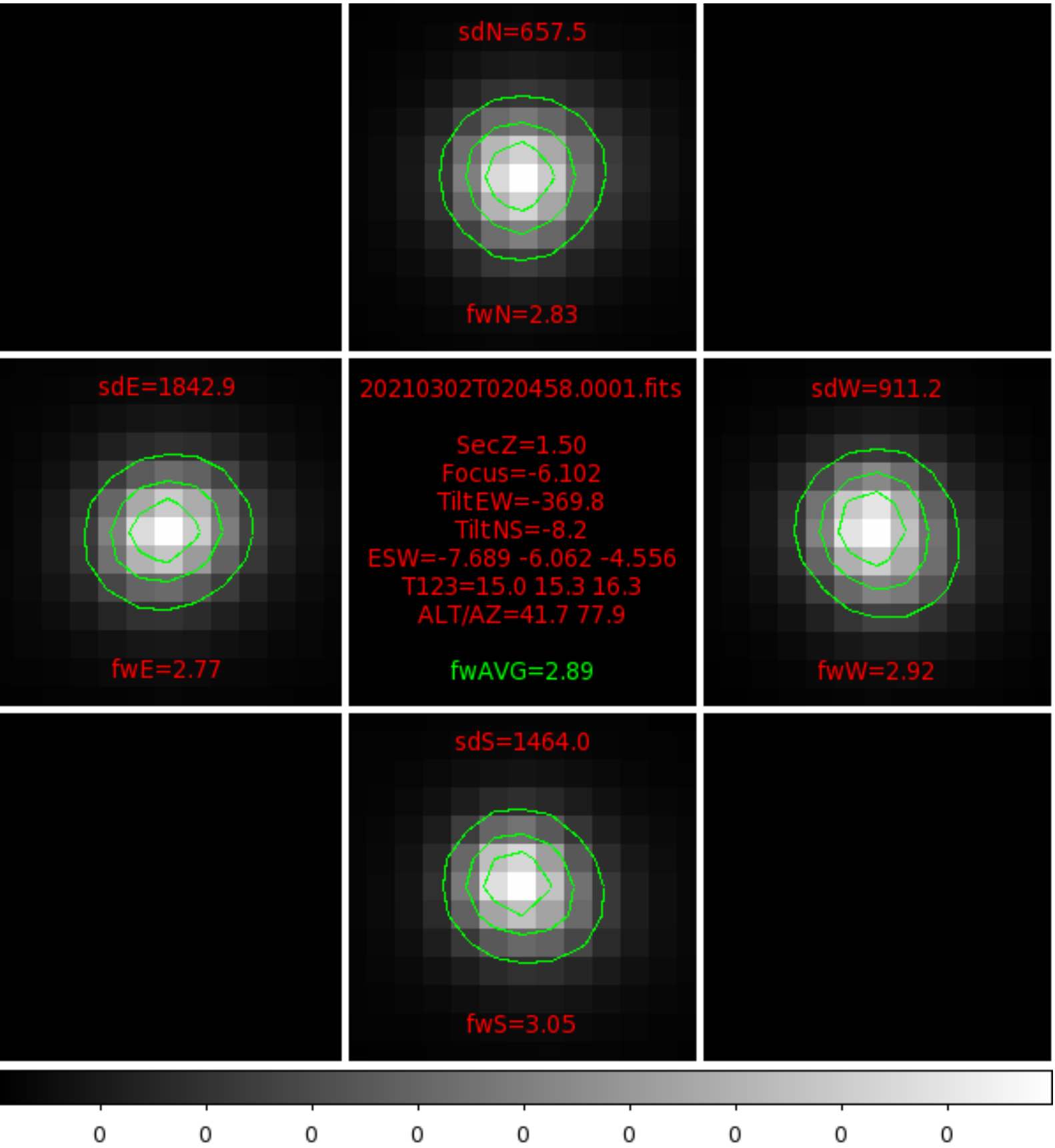
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ESW=-7.689 -6.062 -4.556
T123=15.0 15.3 16.3
ALT/AZ=41.7 77.9
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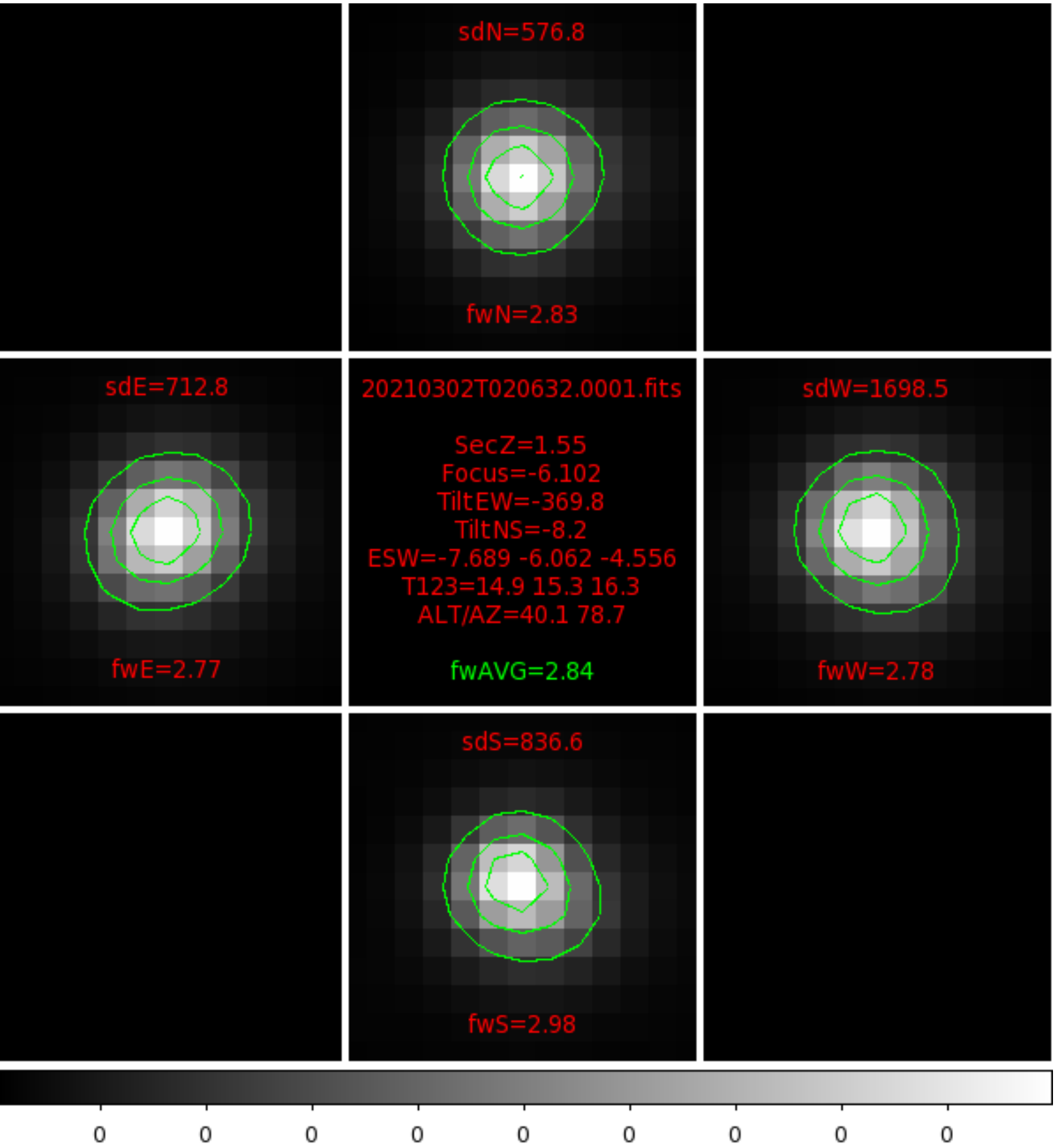
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ESW=-7.689 -6.062 -4.556
T123=14.9 15.3 16.3
ALT/AZ=40.1 78.7
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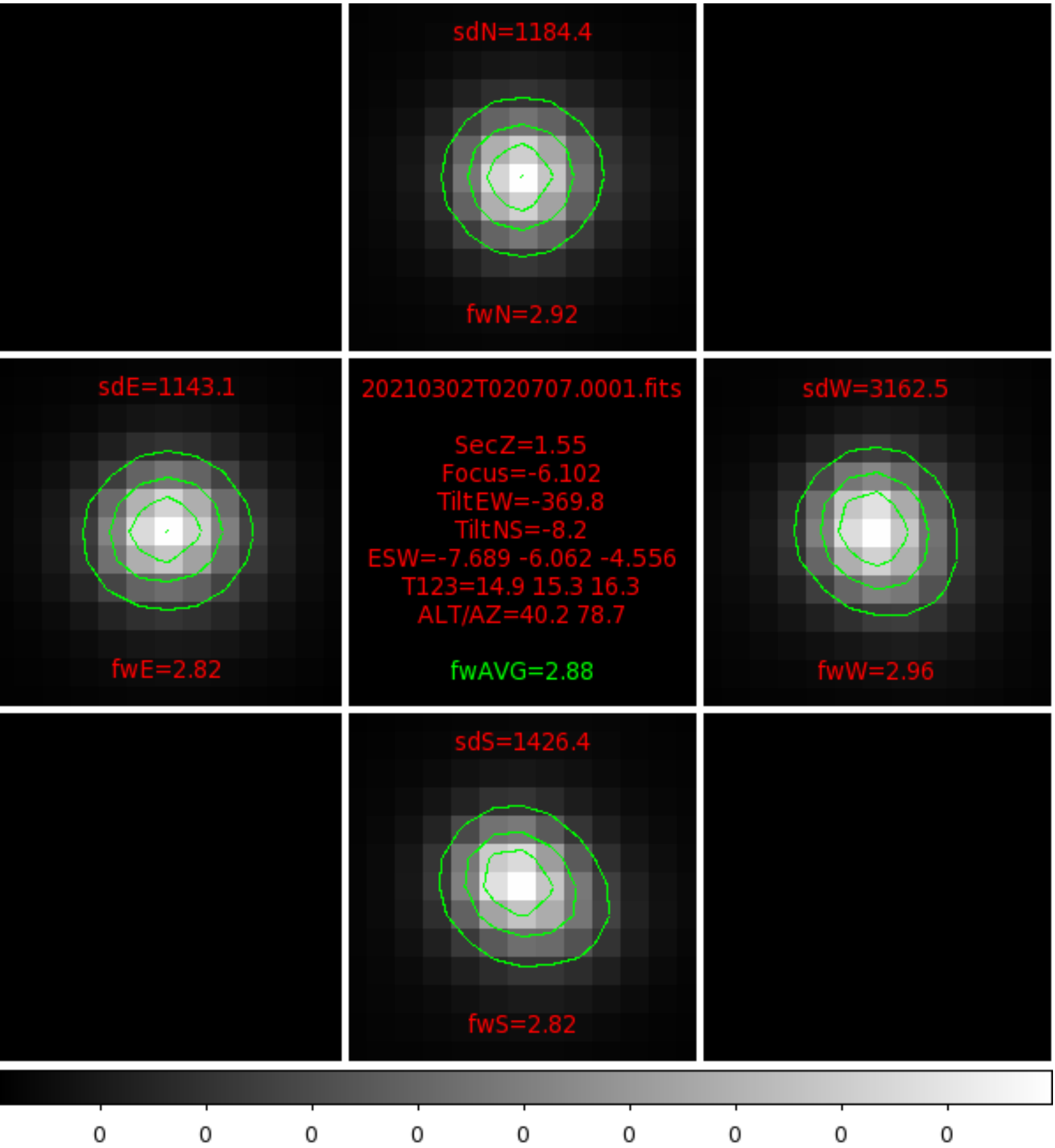
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ESW=-7.689 -6.062 -4.556
T123=14.9 15.3 16.3
ALT/AZ=40.2 78.7
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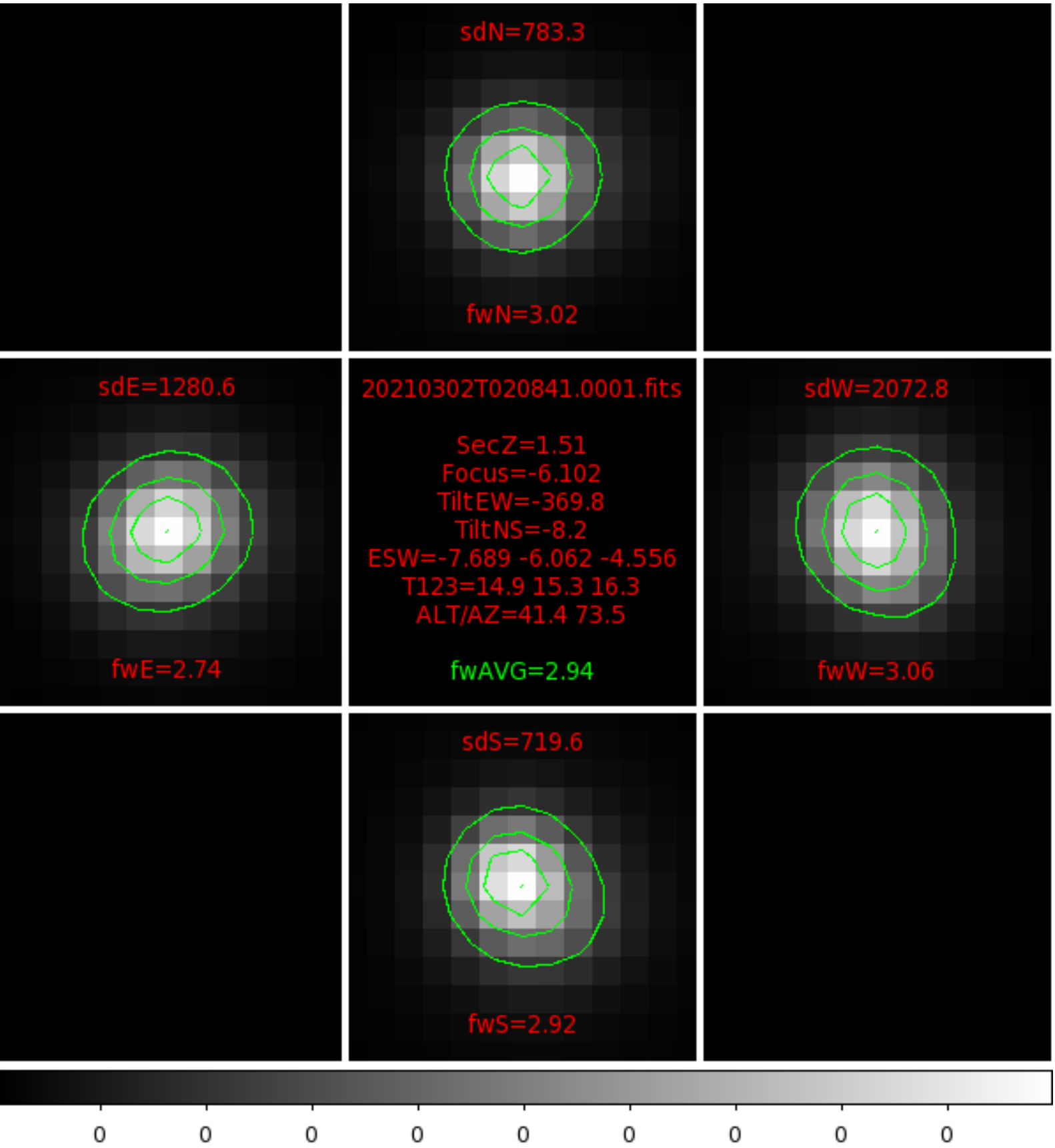
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.9 15.3 16.3
ALT/AZ=41.4 73.5
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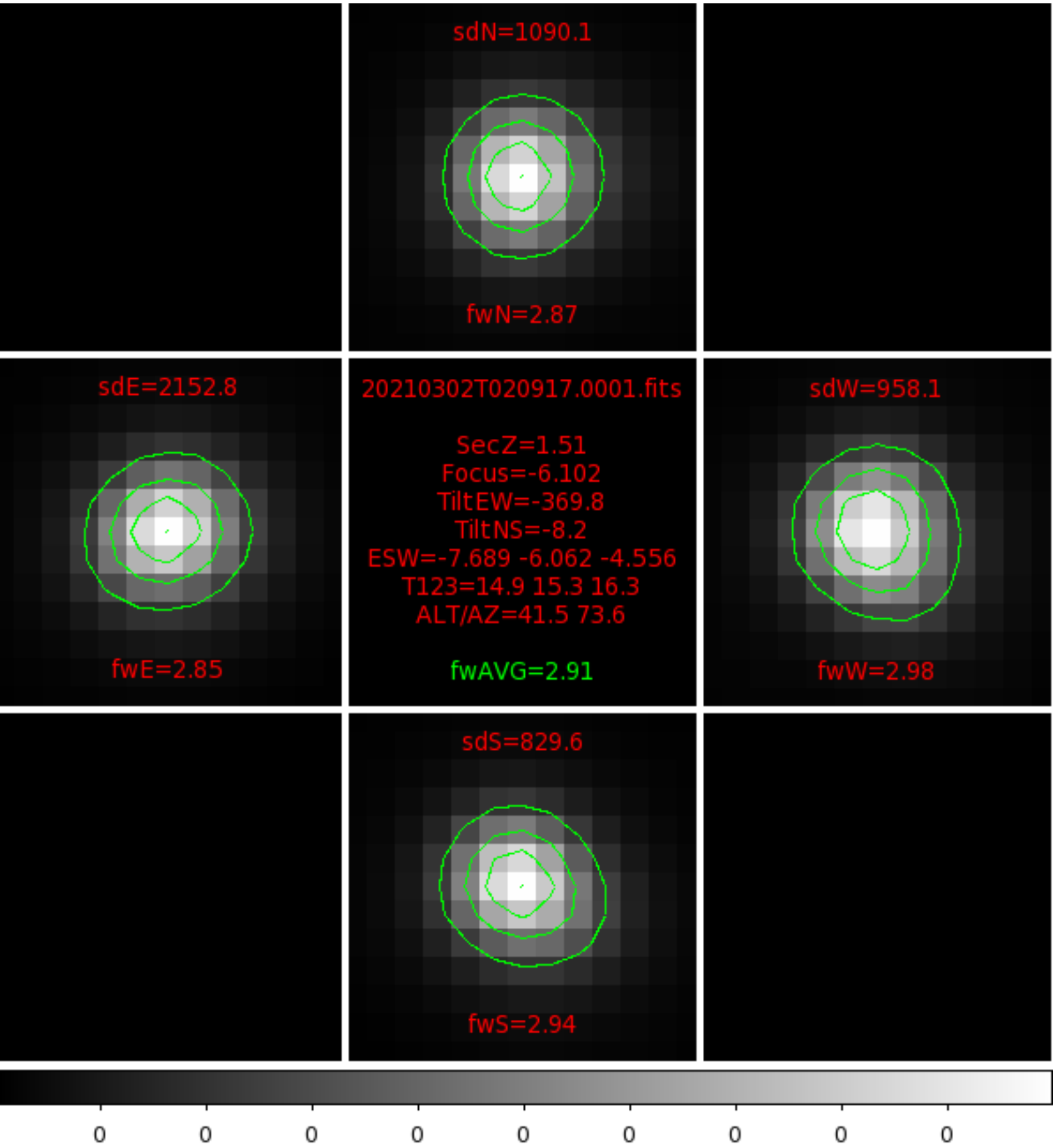
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SecZ=1.51
Focus=-6.102
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.9 15.3 16.3
ALT/AZ=41.5 73.6
fwAVG=2.91
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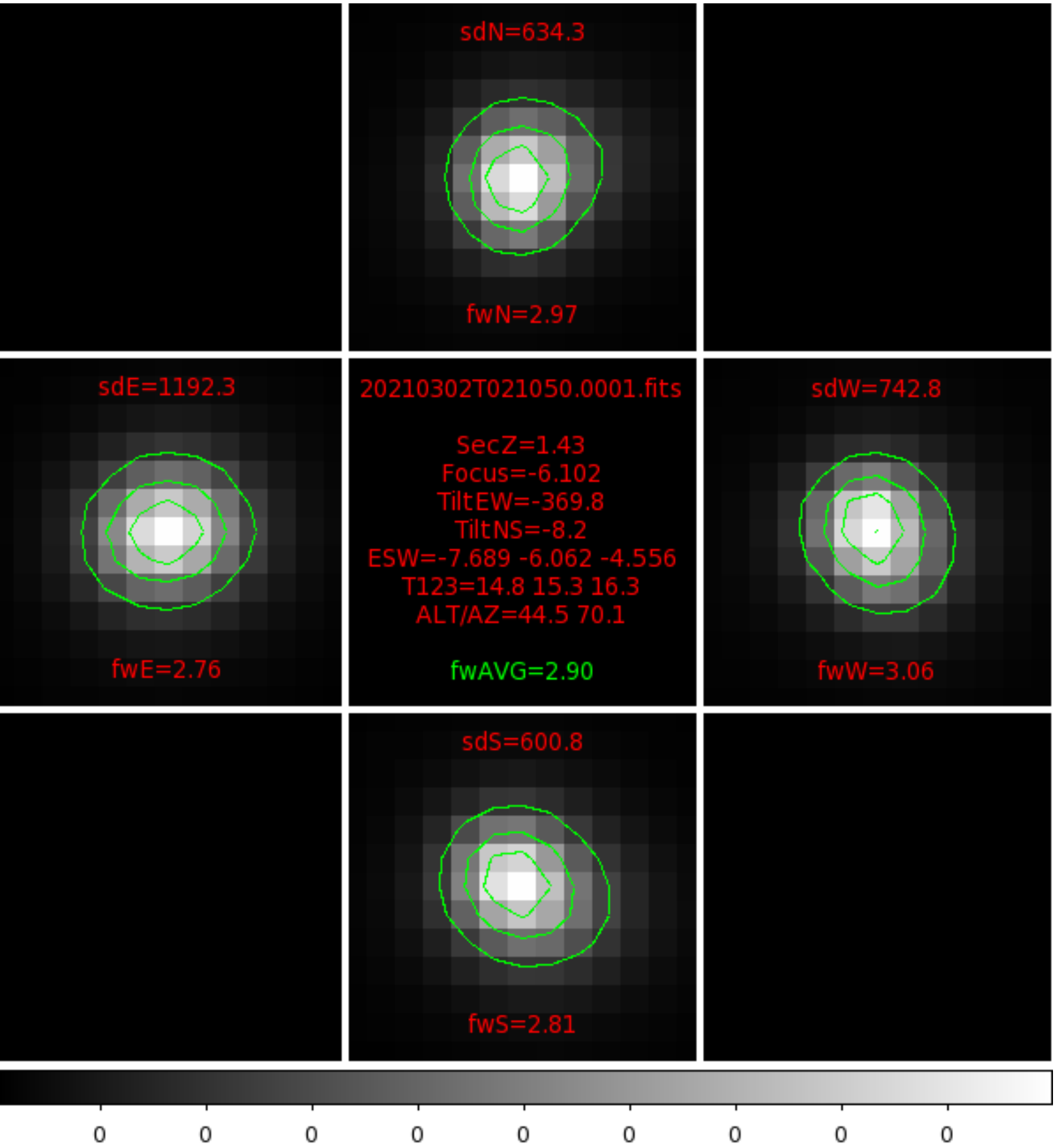
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TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.8 15.3 16.3
ALT/AZ=44.5 70.1
fwAVG=2.90
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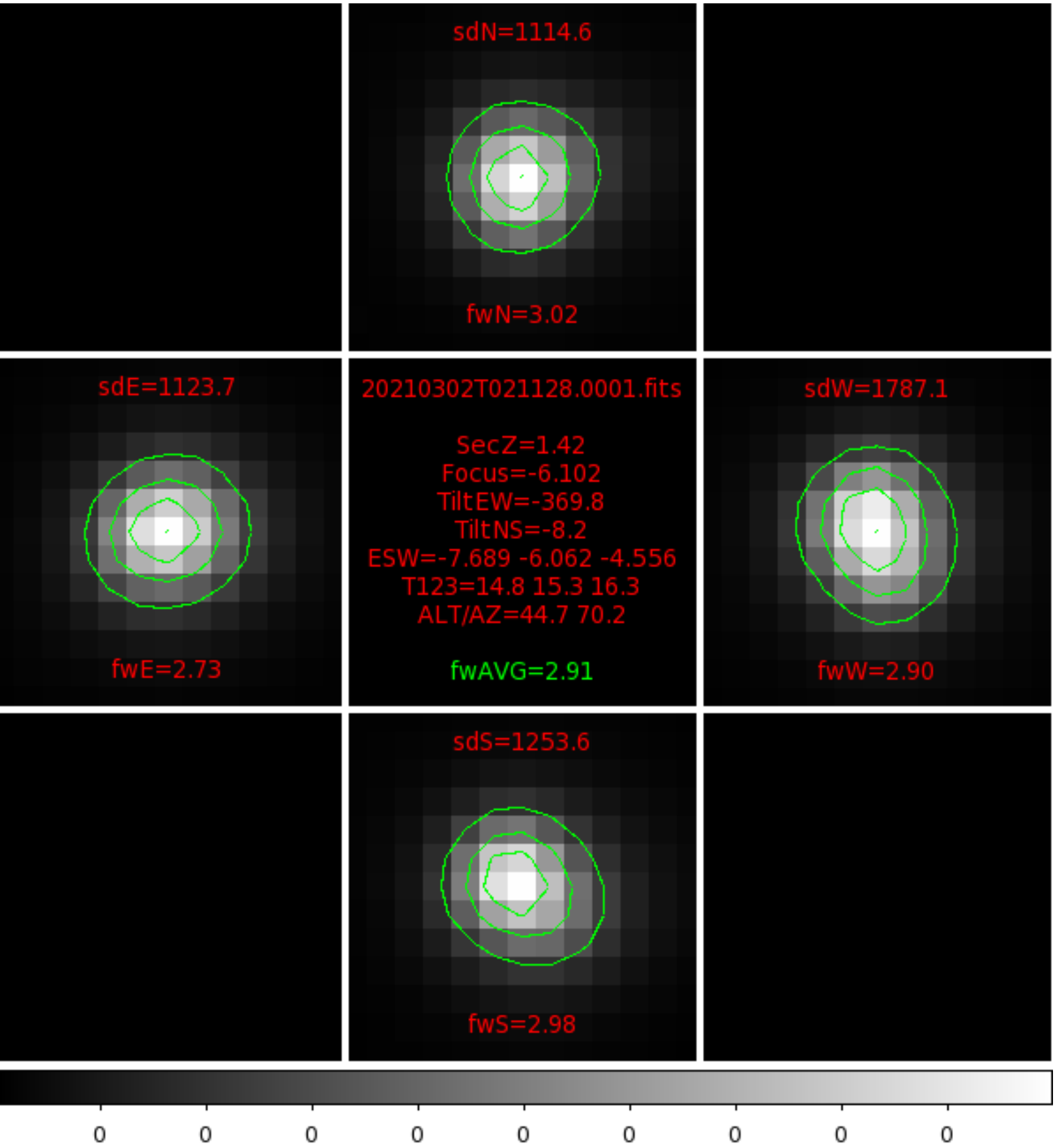
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TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.8 15.3 16.3
ALT/AZ=44.7 70.2
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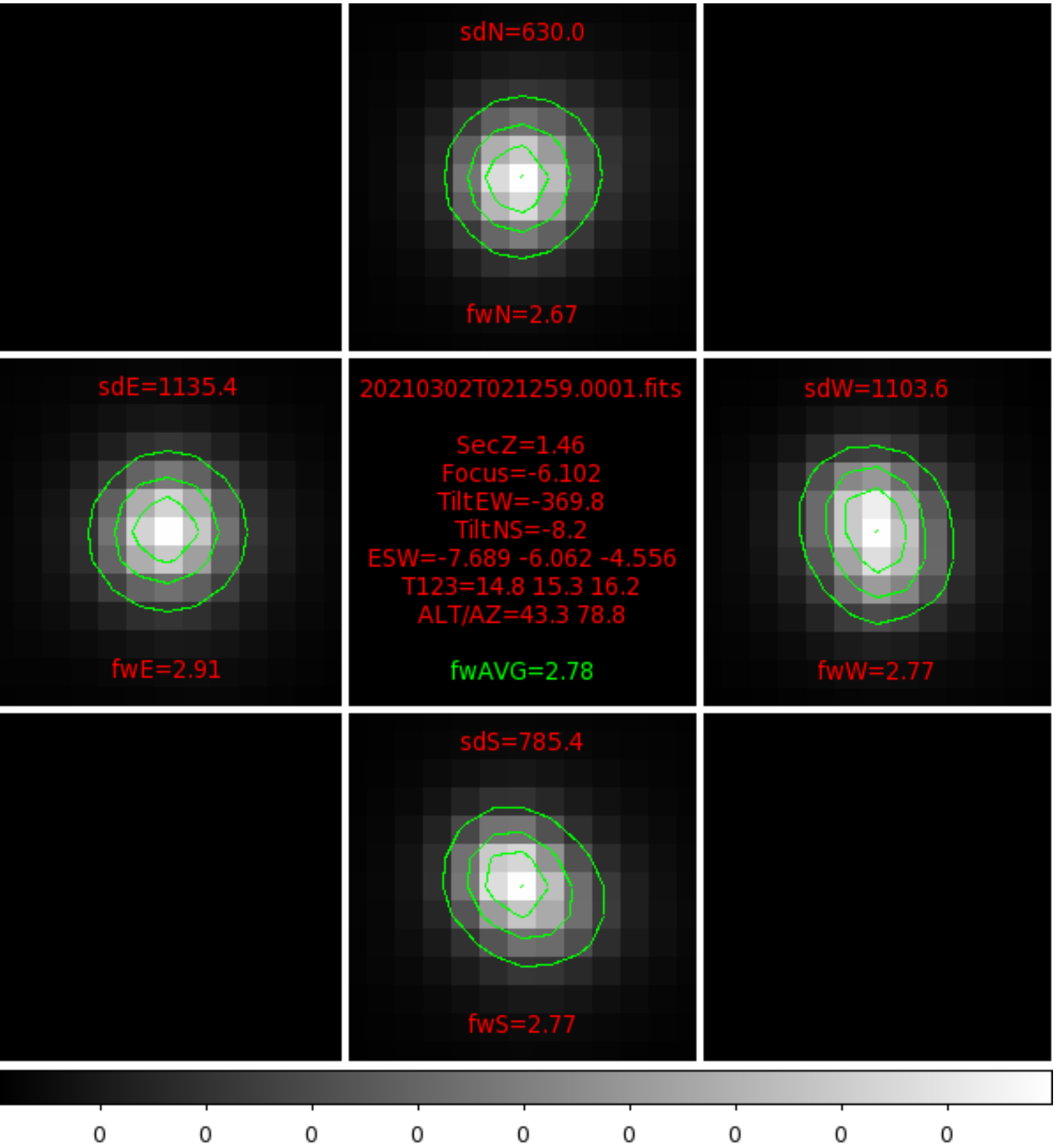
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SecZ=1.46
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ESW=-7.689 -6.062 -4.556
T123=14.8 15.3 16.2
ALT/AZ=43.3 78.8
fwAVG=2.78
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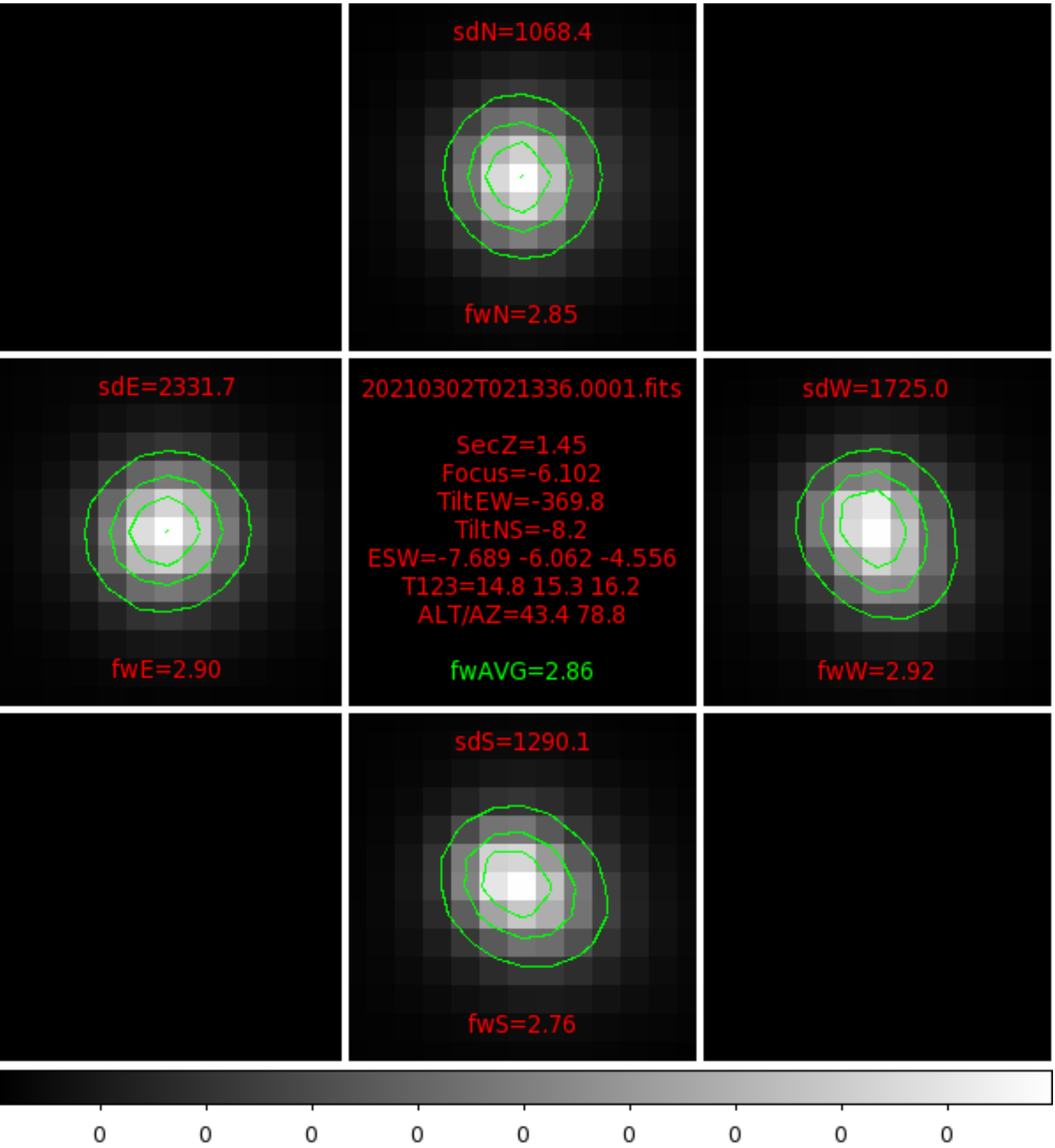
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SecZ=1.45
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TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.8 15.3 16.2
ALT/AZ=43.4 78.8
fwAVG=2.86
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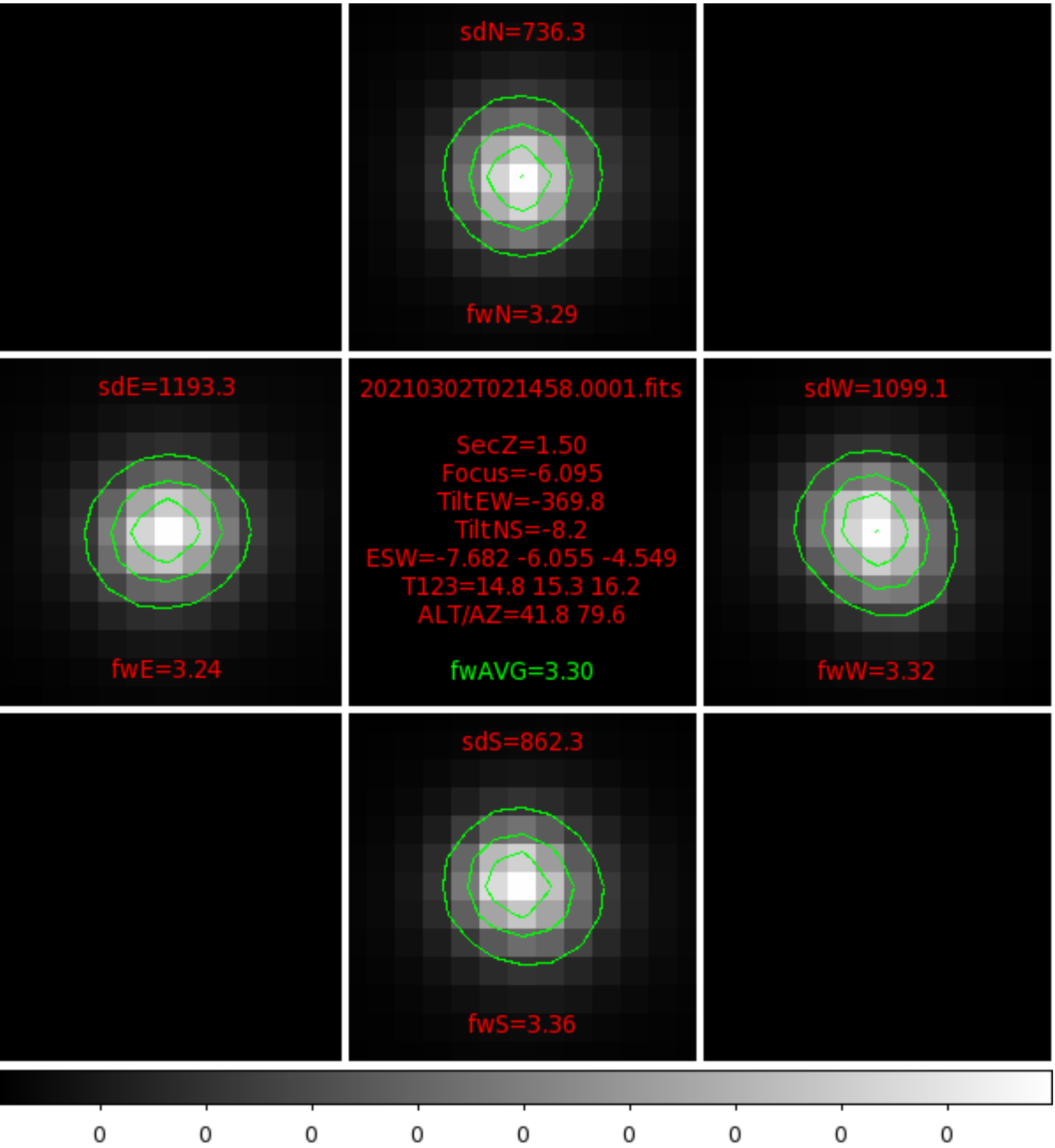
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Focus=-6.095
TiltEW=-369.8
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ESW=-7.682 -6.055 -4.549
T123=14.8 15.3 16.2
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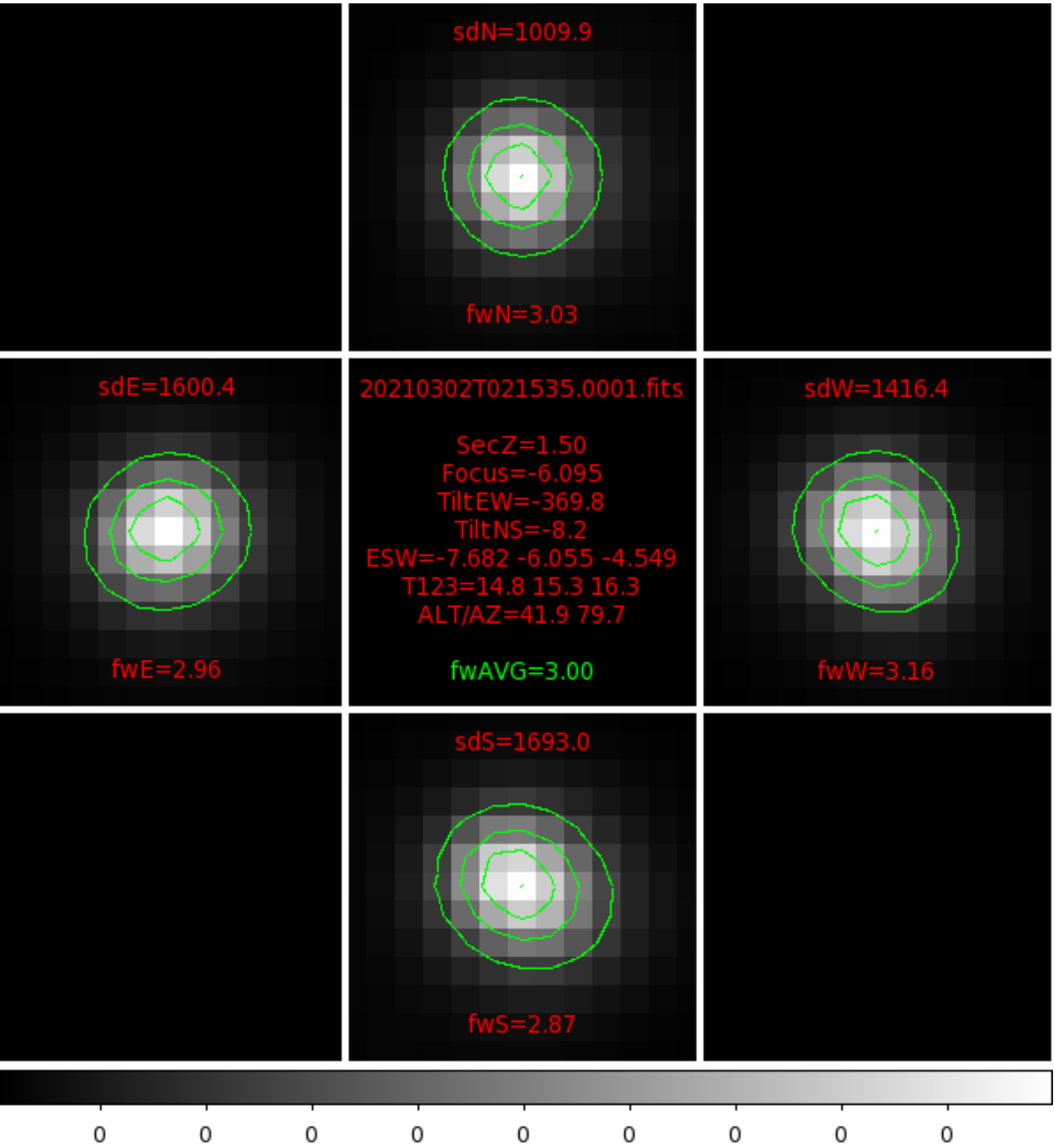
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SecZ=1.50
Focus=-6.095
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.682 -6.055 -4.549
T123=14.8 15.3 16.3
ALT/AZ=41.9 79.7
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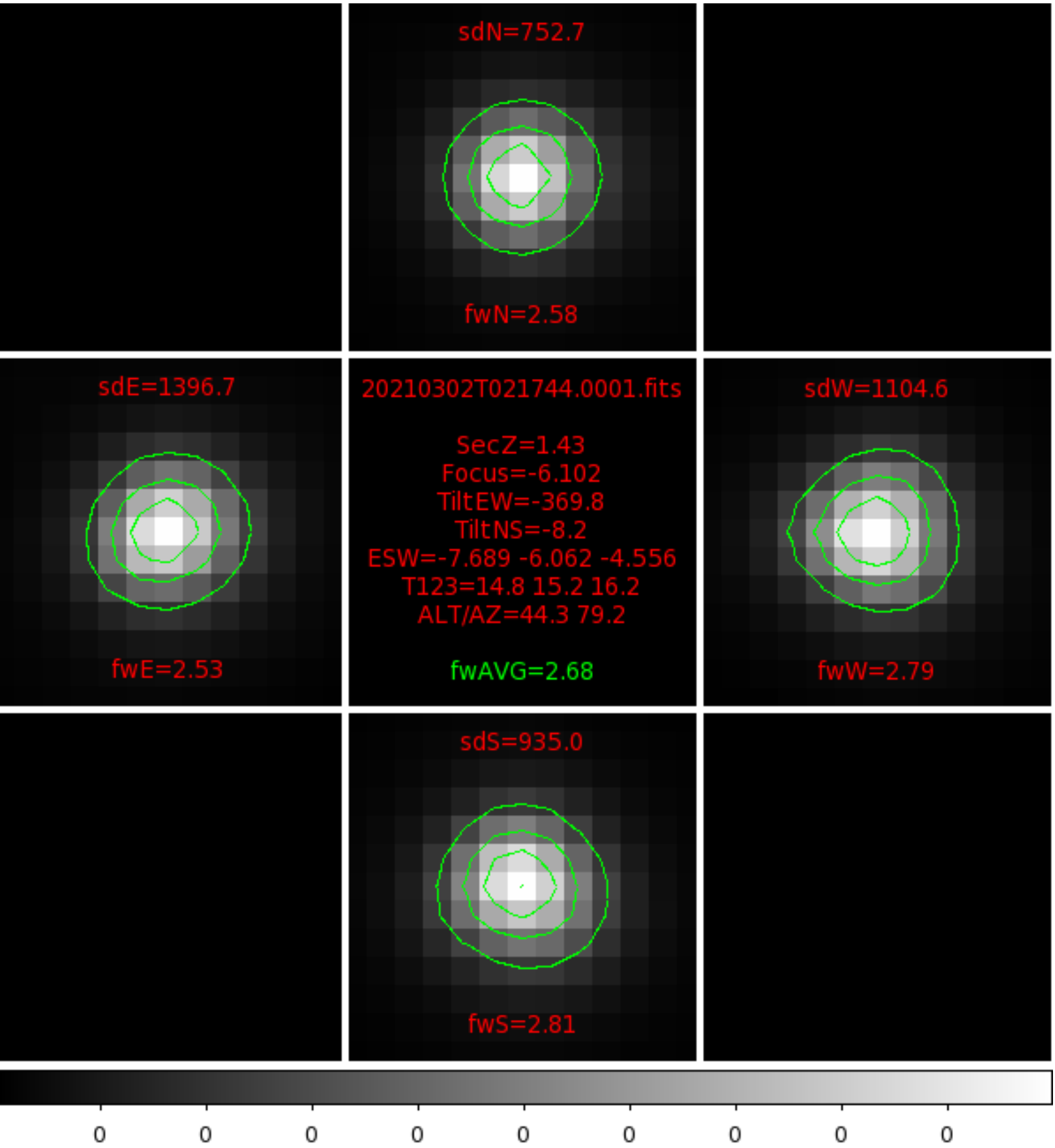
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SecZ=1.43
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.8 15.2 16.2
ALT/AZ=44.3 79.2
fwAVG=2.68
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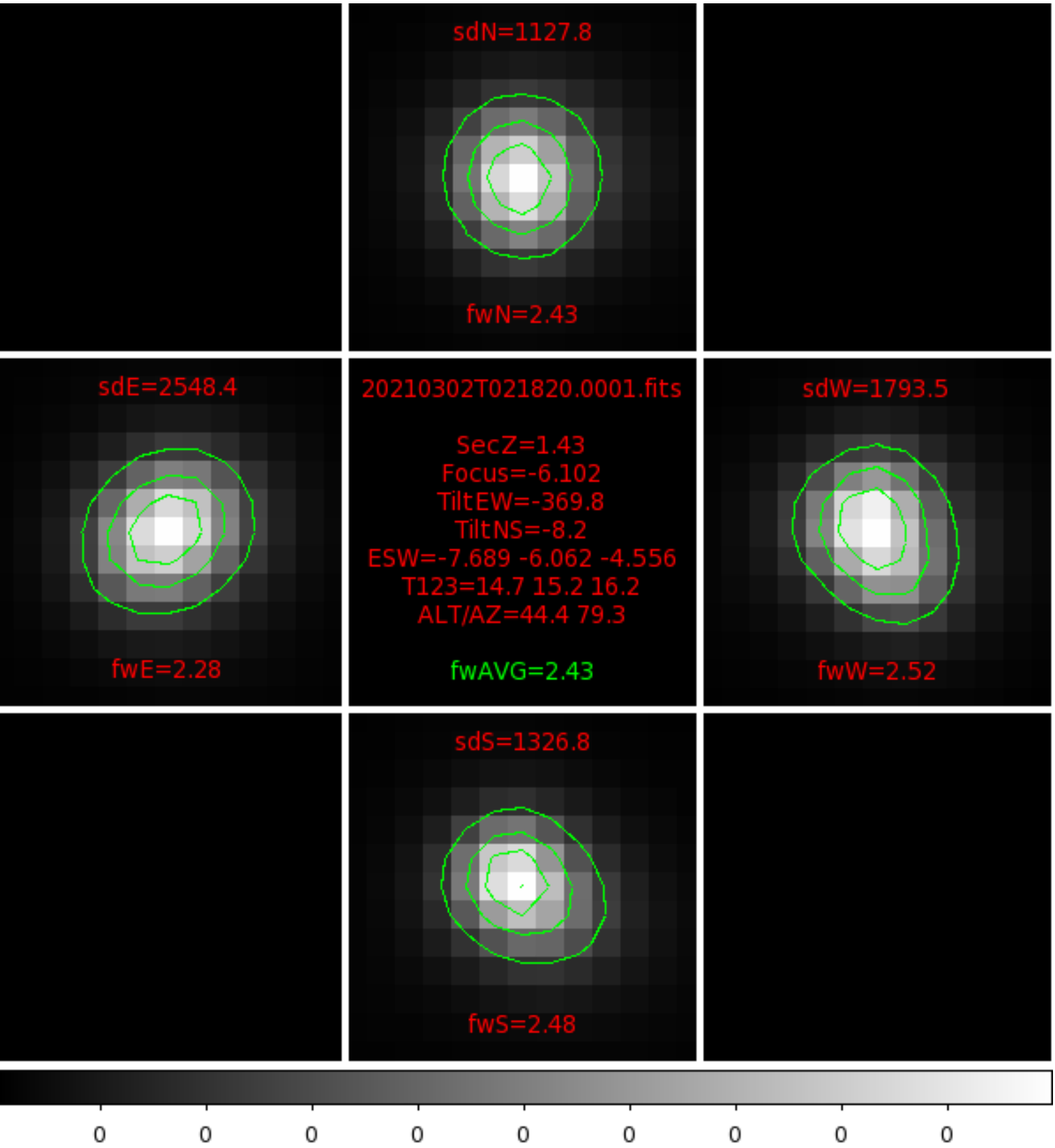
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SecZ=1.43
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.689 -6.062 -4.556
T123=14.7 15.2 16.2
ALT/AZ=44.4 79.3
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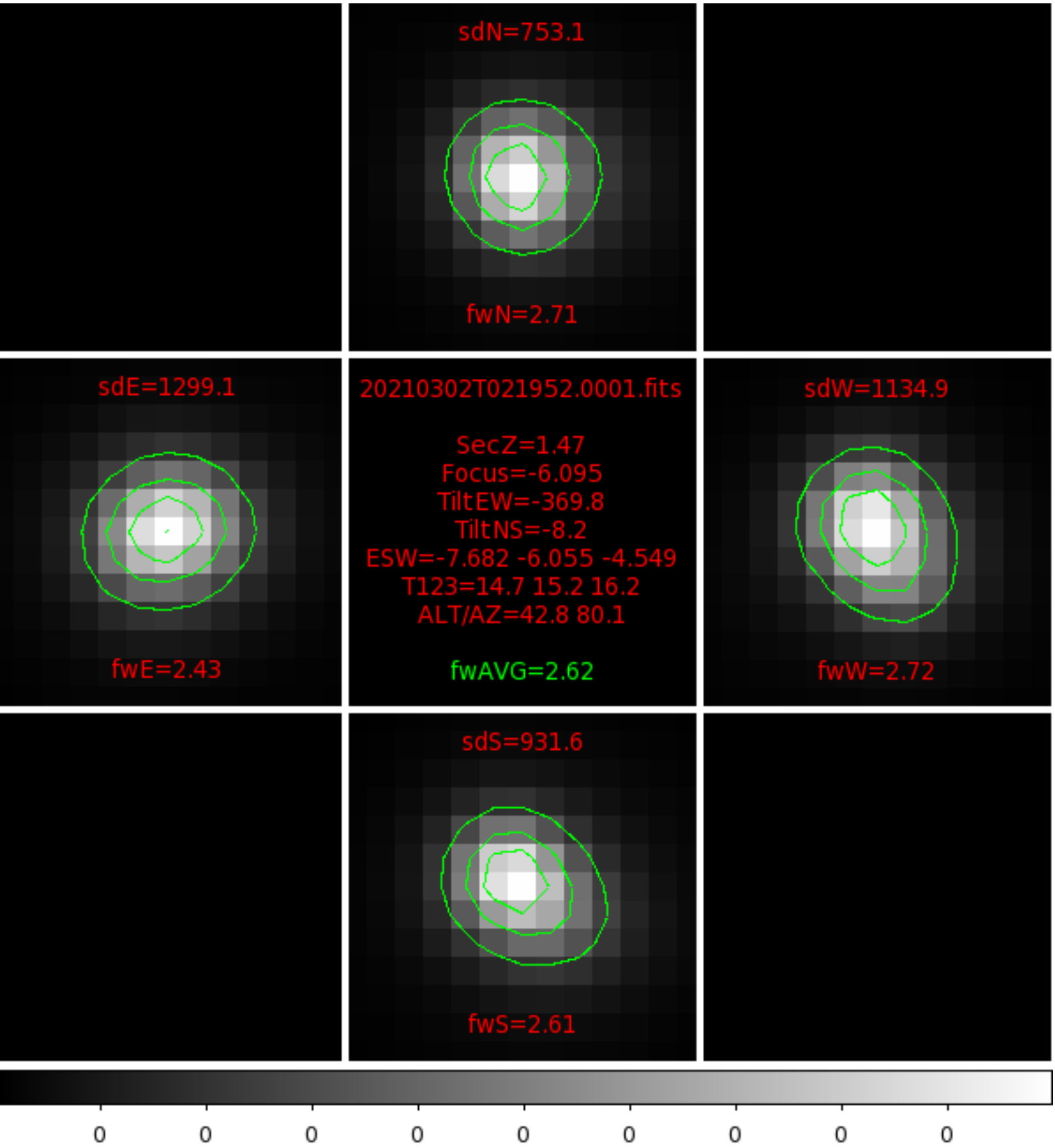
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ESW=-7.682 -6.055 -4.549
T123=14.7 15.2 16.2
ALT/AZ=42.8 80.1
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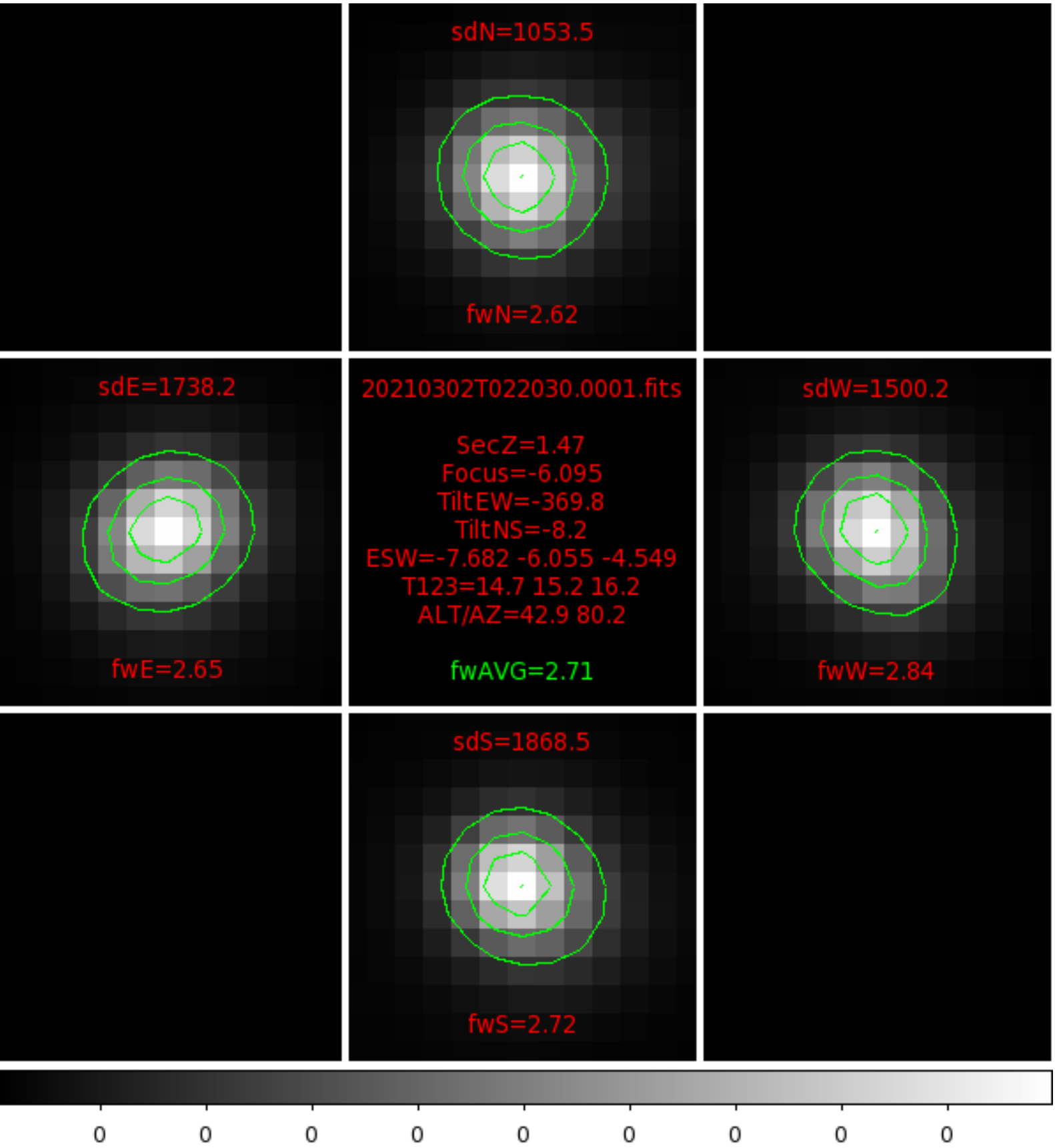
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ESW=-7.682 -6.055 -4.549
T123=14.7 15.2 16.2
ALT/AZ=42.9 80.2
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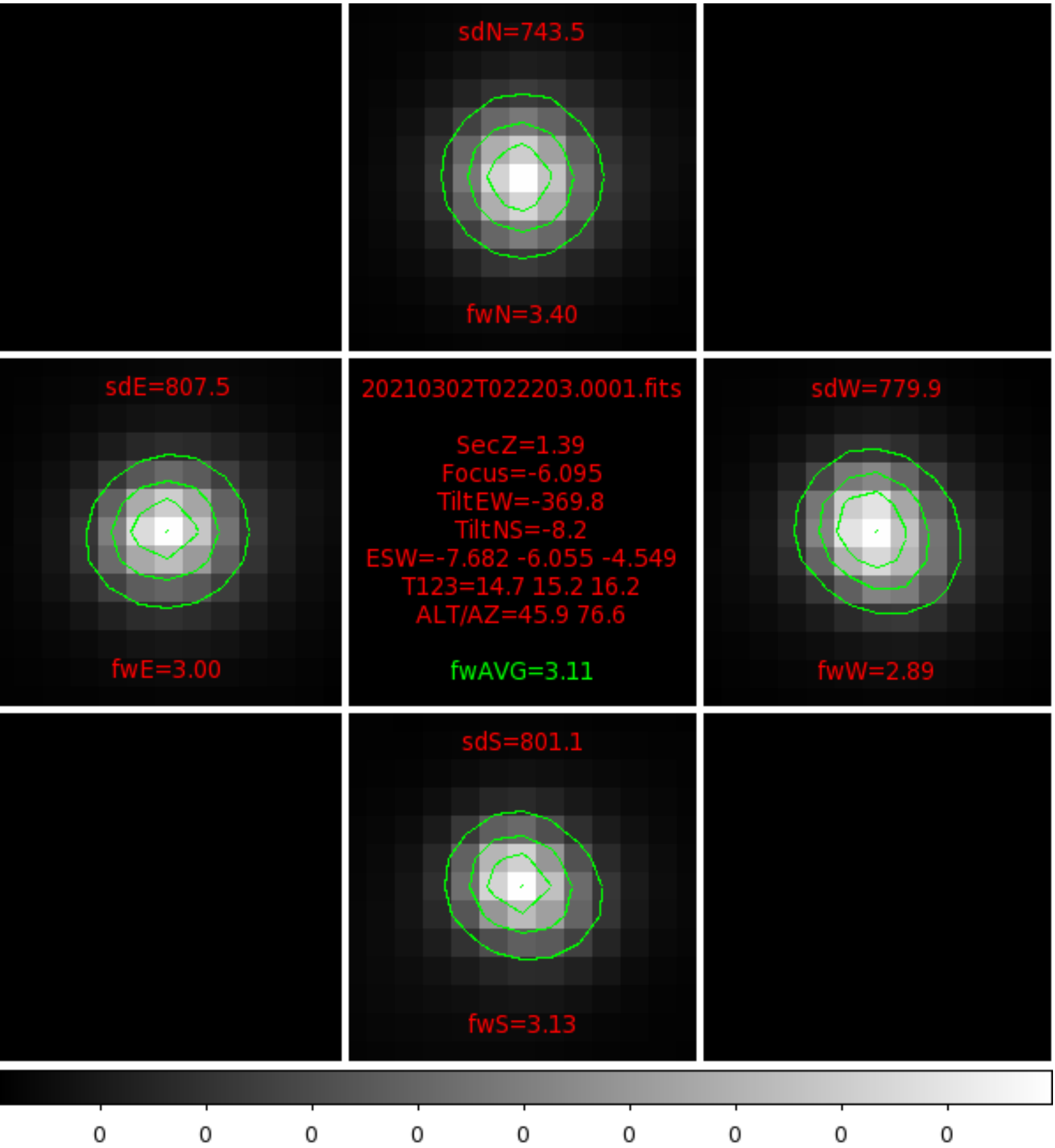
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SecZ=1.39
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TiltNS=-8.2
ESW=-7.682 -6.055 -4.549
T123=14.7 15.2 16.2
ALT/AZ=45.9 76.6
fwAVG=3.11
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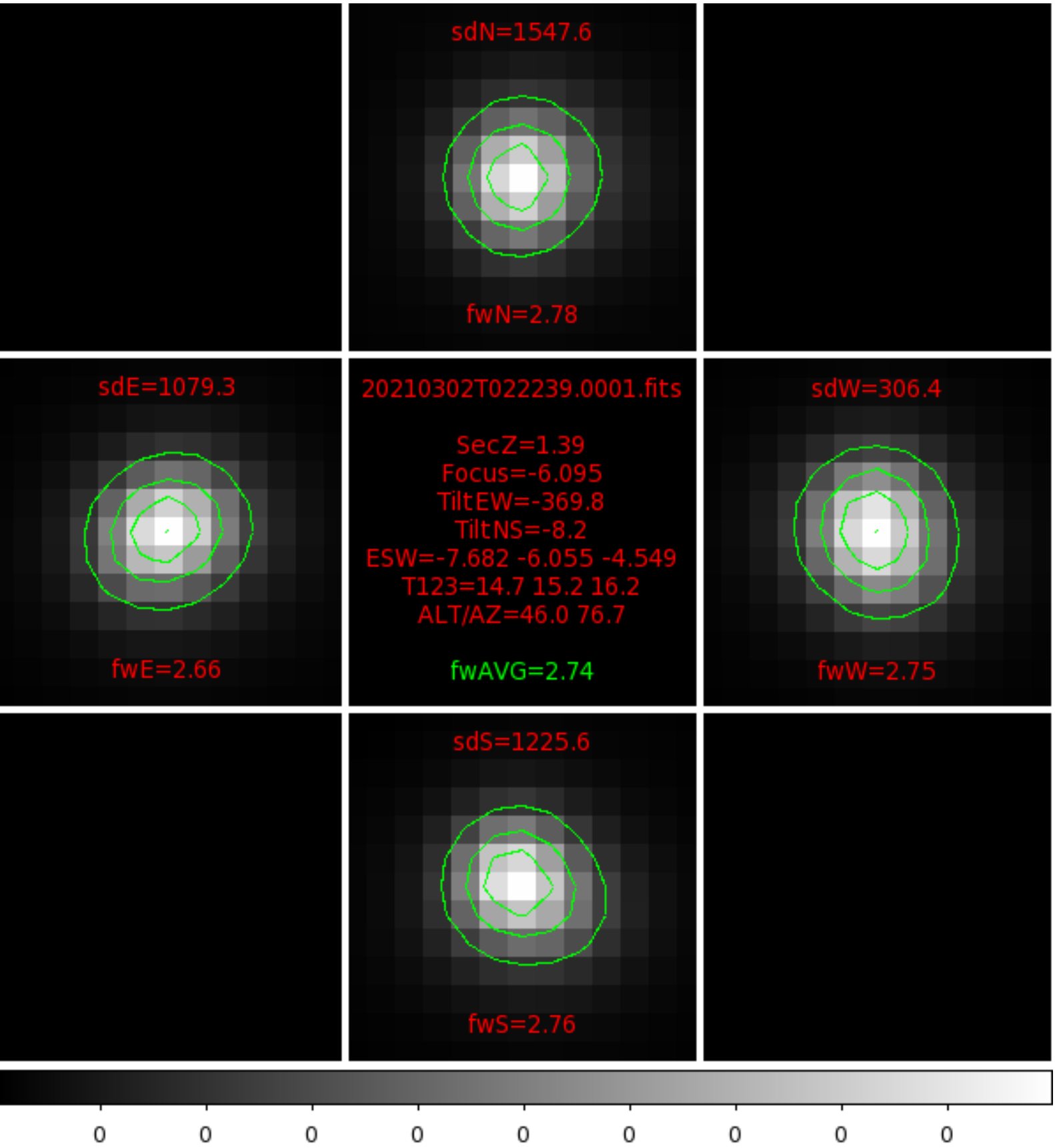
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SecZ=1.39
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.682 -6.055 -4.549
T123=14.7 15.2 16.2
ALT/AZ=46.0 76.7
fwAVG=2.74
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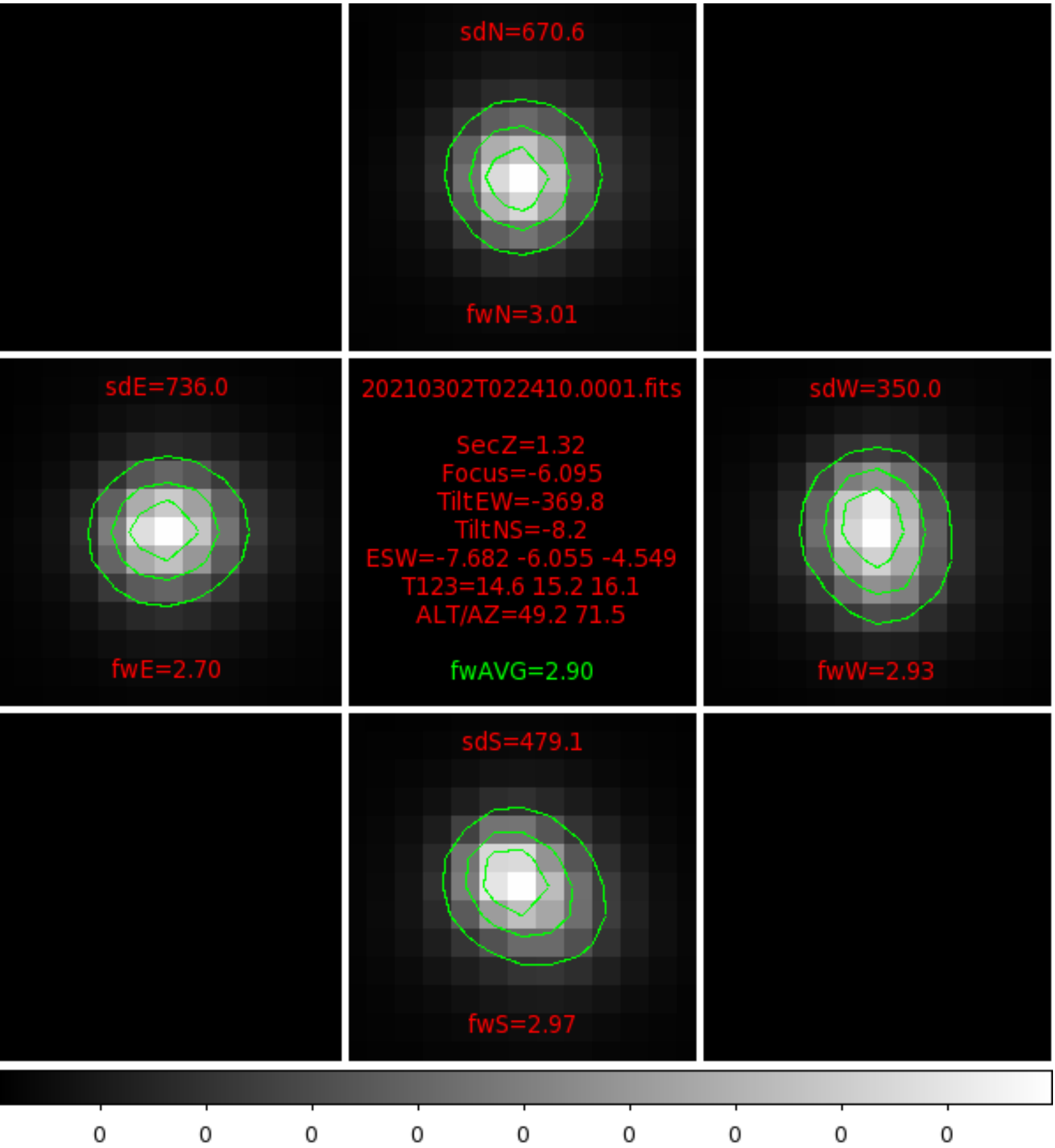
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.682 -6.055 -4.549
T123=14.6 15.2 16.1
ALT/AZ=49.2 71.5
fwAVG=2.90
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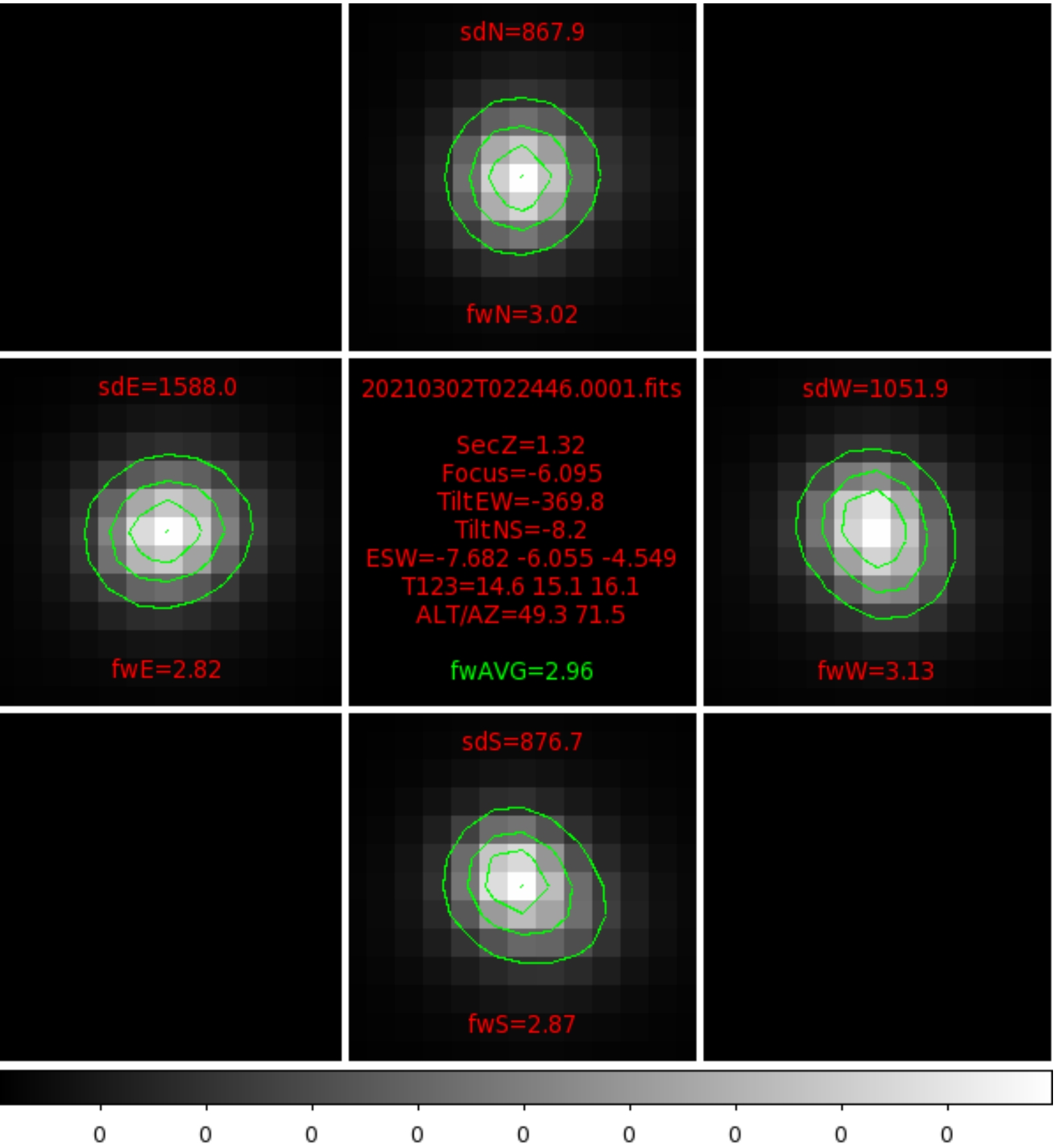
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TiltNS=-8.2
ESW=-7.682 -6.055 -4.549
T123=14.6 15.1 16.1
ALT/AZ=49.3 71.5
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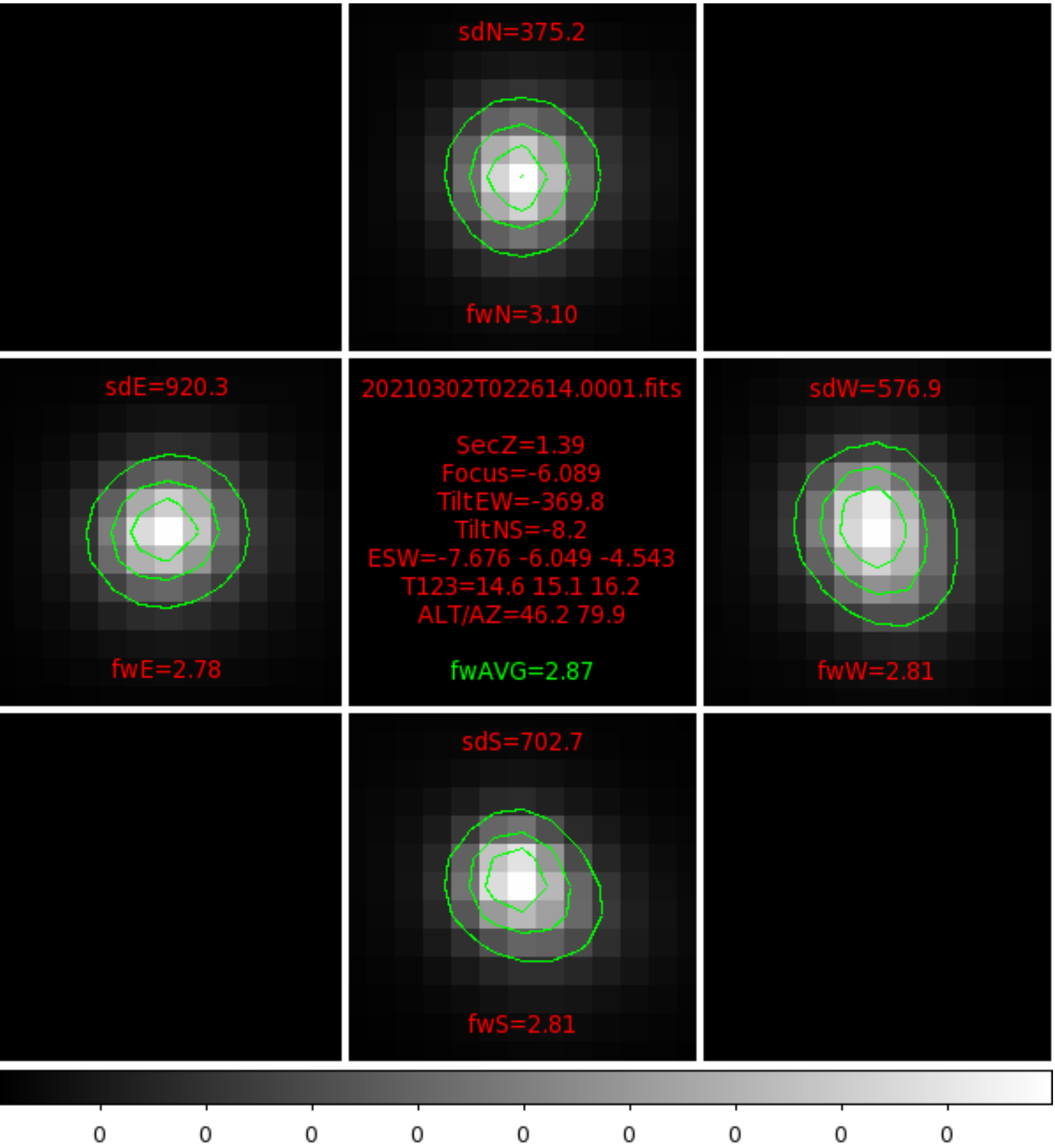
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.676 -6.049 -4.543
T123=14.6 15.1 16.2
ALT/AZ=46.2 79.9
fwAVG=2.87
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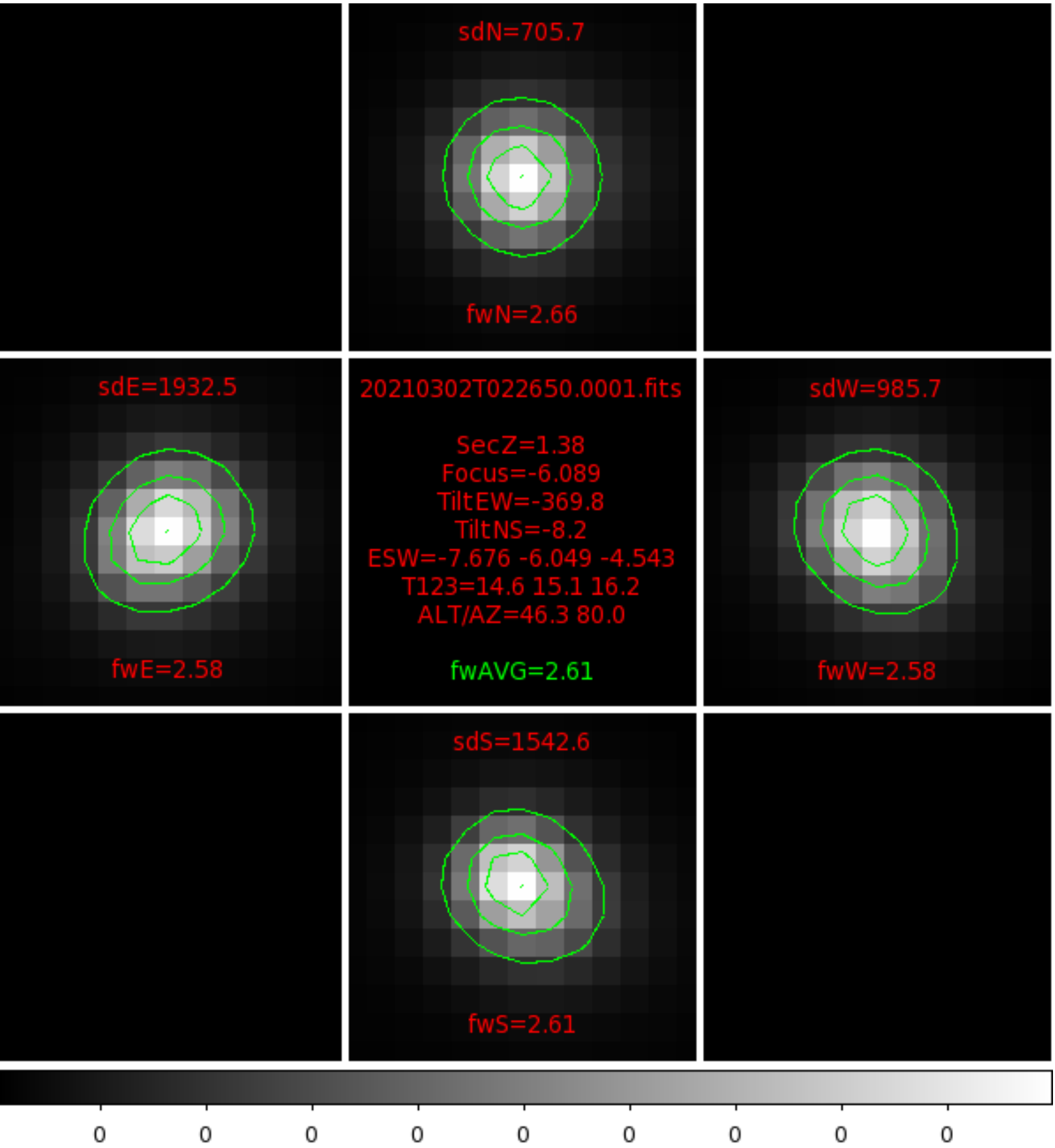
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fwE=2.58
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SecZ=1.38
Focus=-6.089
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.676 -6.049 -4.543
T123=14.6 15.1 16.2
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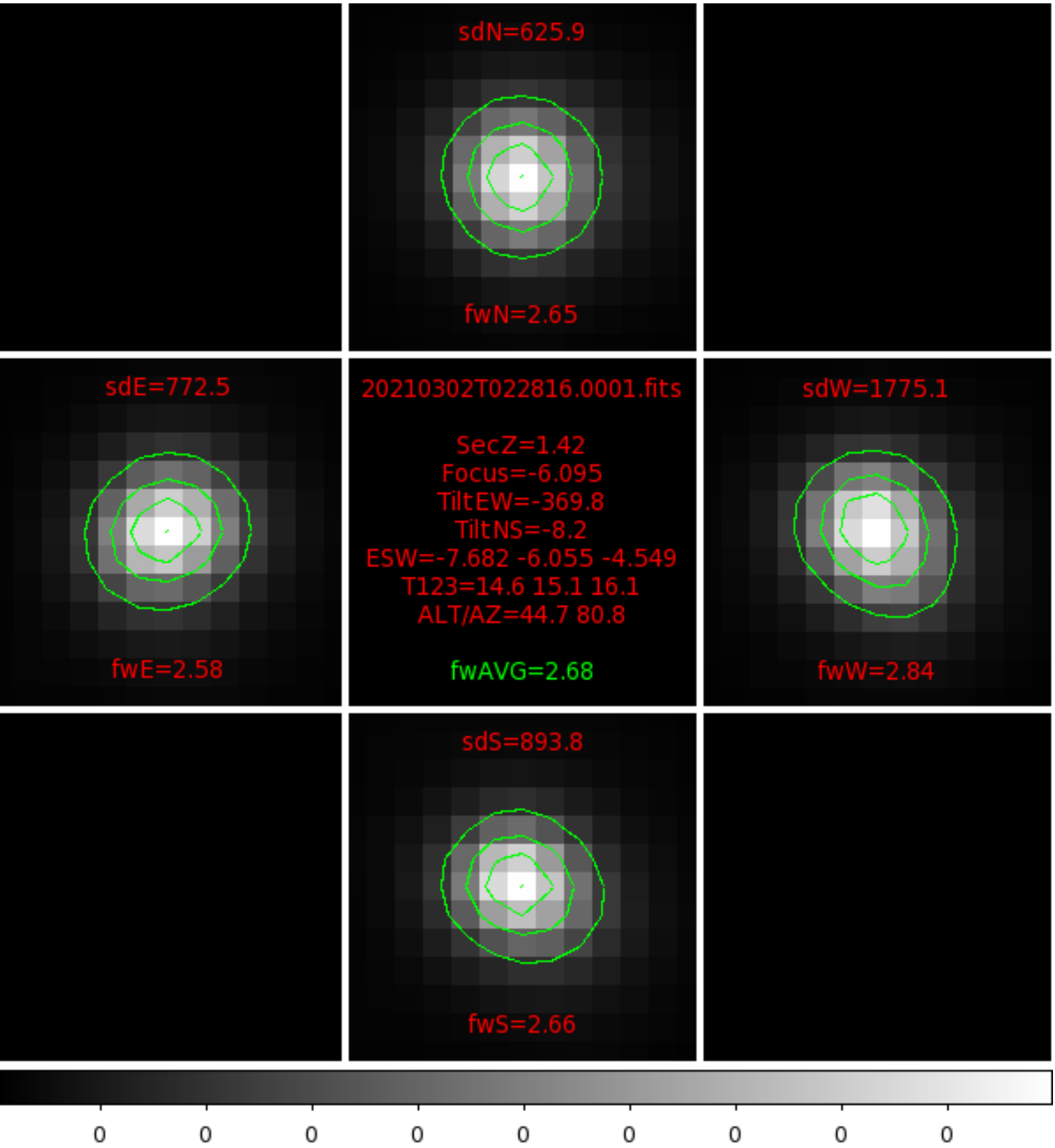
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SecZ=1.42
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TiltNS=-8.2
ESW=-7.682 -6.055 -4.549
T123=14.6 15.1 16.1
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fwAVG=2.68
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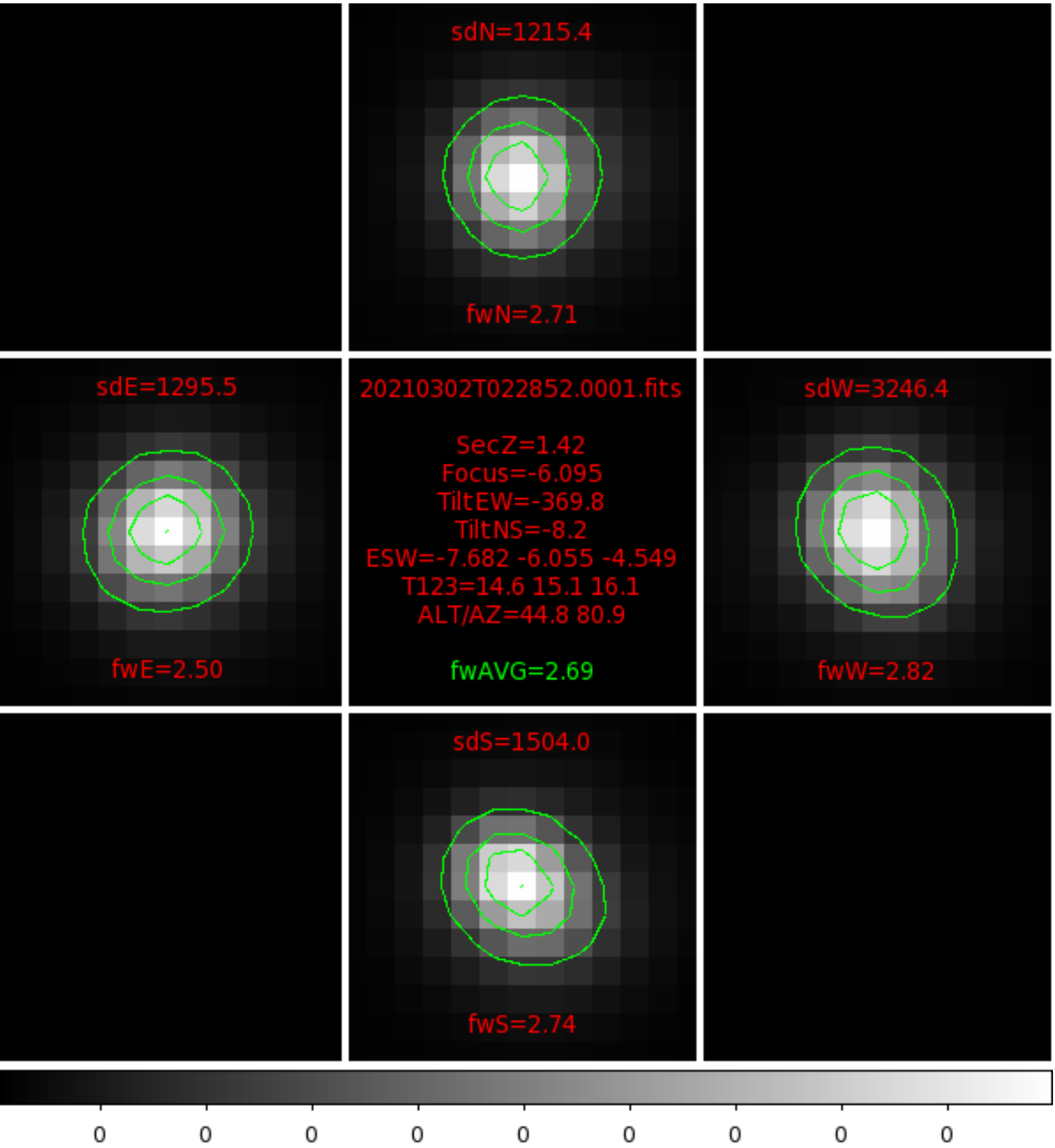
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ESW=-7.682 -6.055 -4.549
T123=14.6 15.1 16.1
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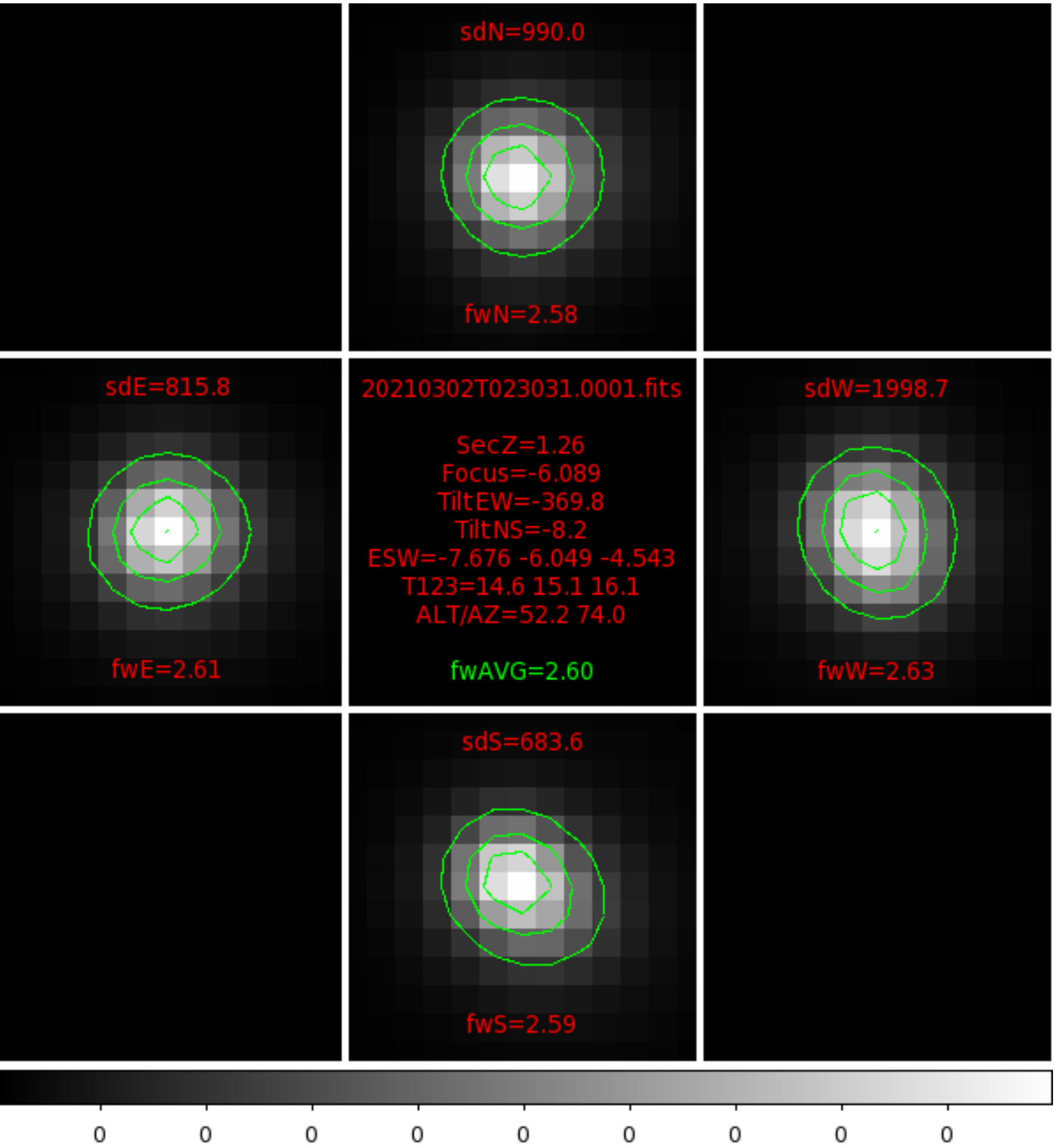
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SecZ=1.26
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ESW=-7.676 -6.049 -4.543
T123=14.6 15.1 16.1
ALT/AZ=52.2 74.0
fwAVG=2.60
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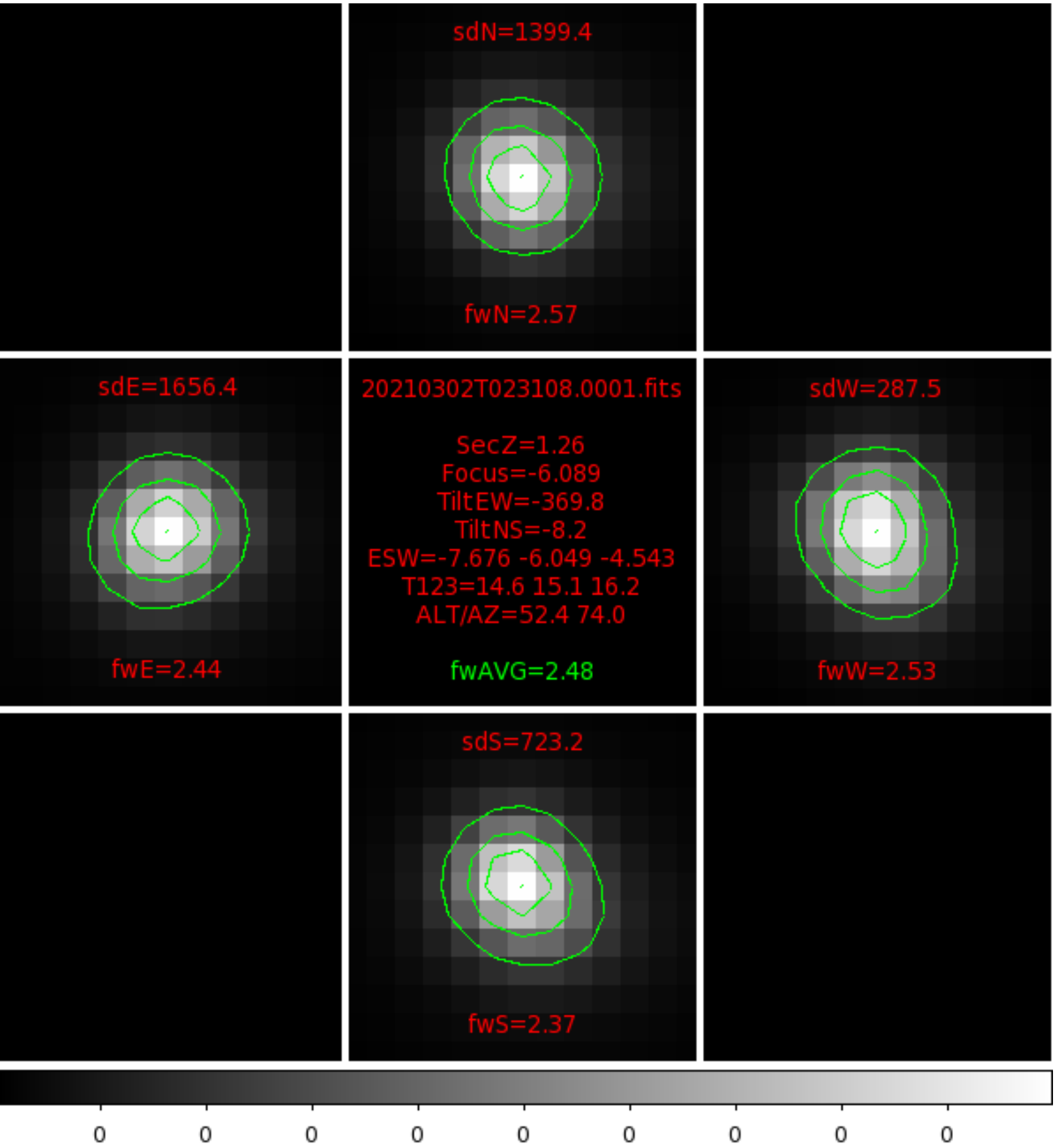
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T123=14.6 15.1 16.2
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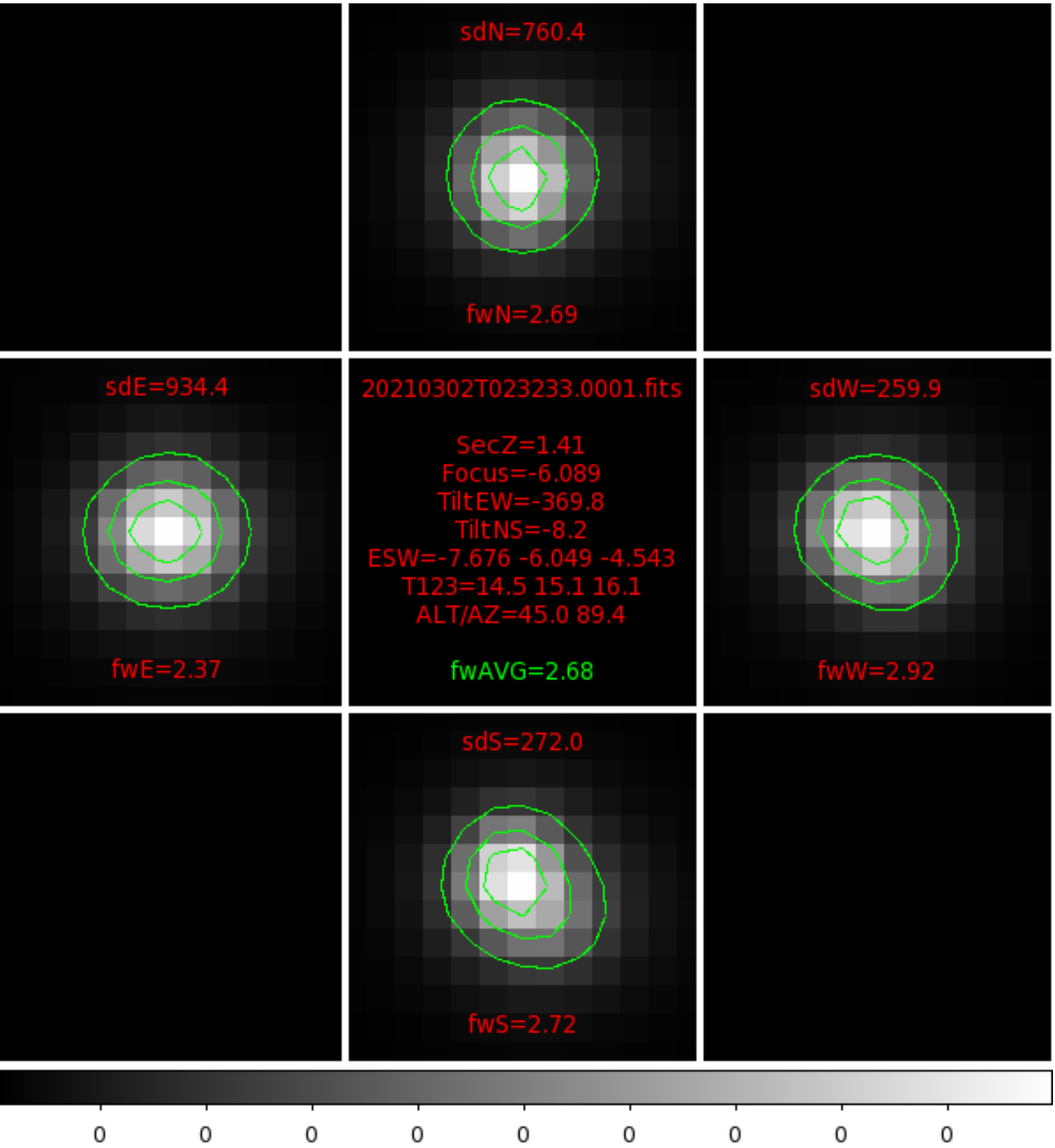
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T123=14.5 15.1 16.1
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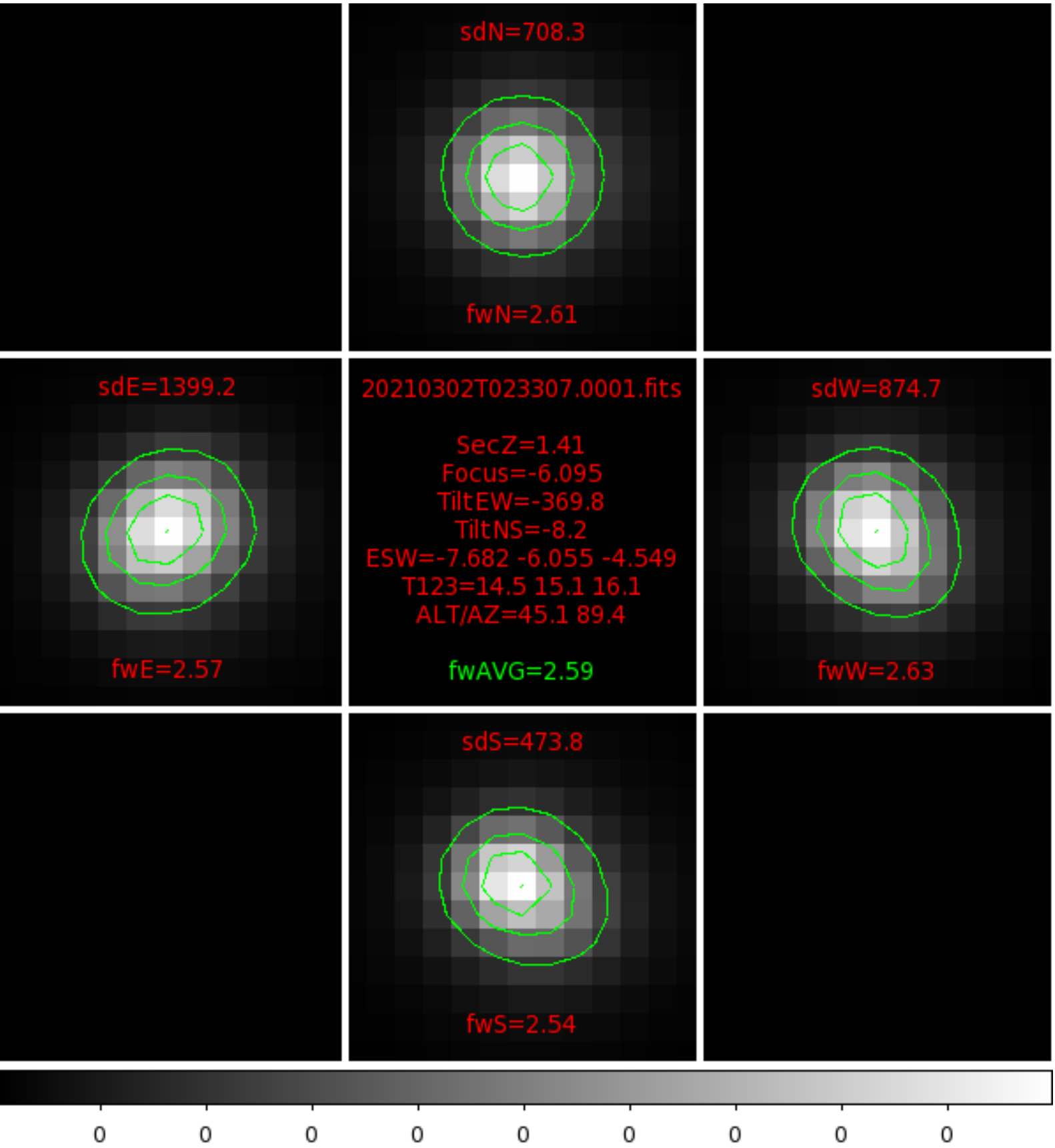
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SecZ=1.41
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ESW=-7.682 -6.055 -4.549
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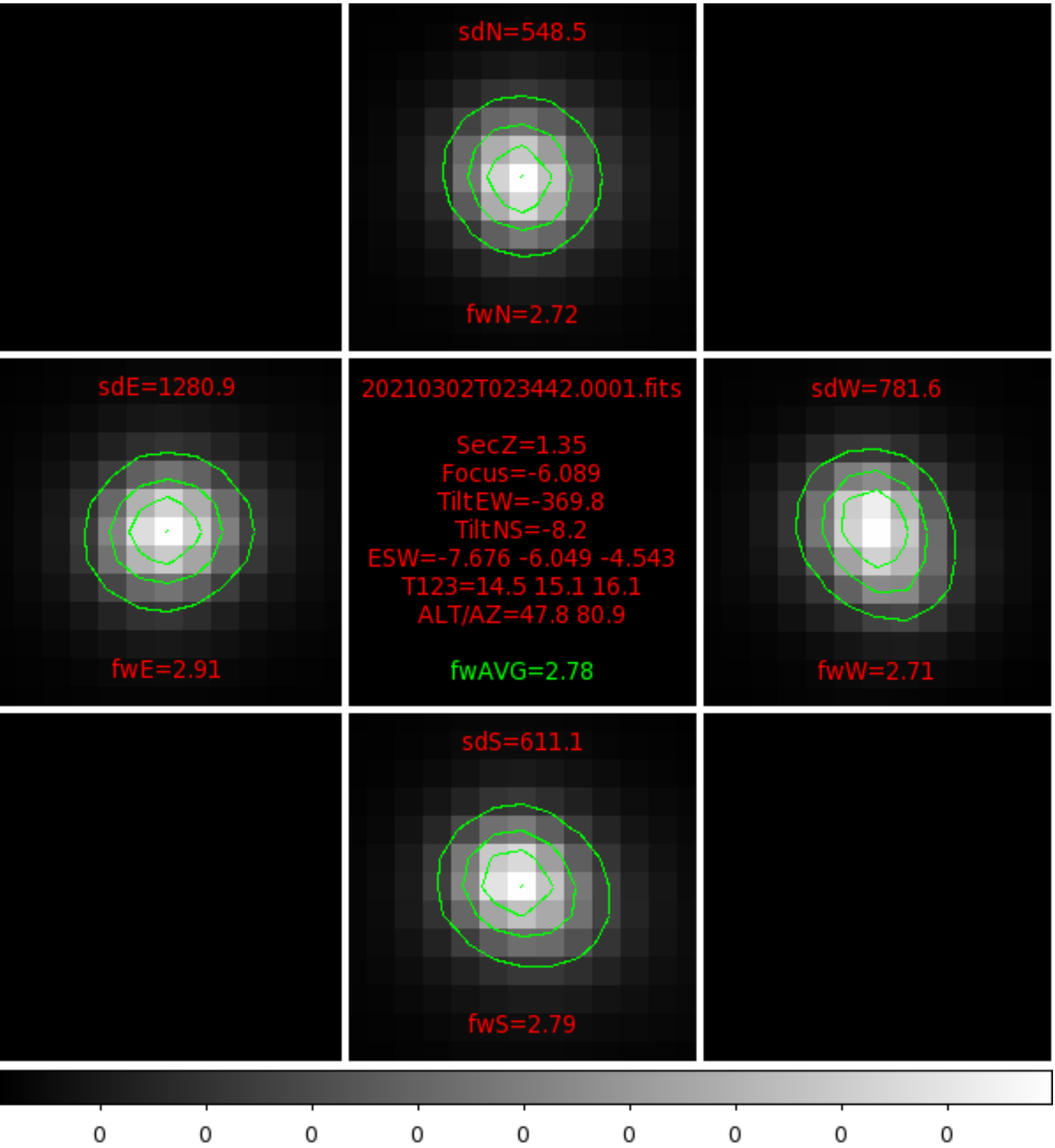
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TiltNS=-8.2
ESW=-7.676 -6.049 -4.543
T123=14.5 15.1 16.1
ALT/AZ=47.8 80.9
fwAVG=2.78
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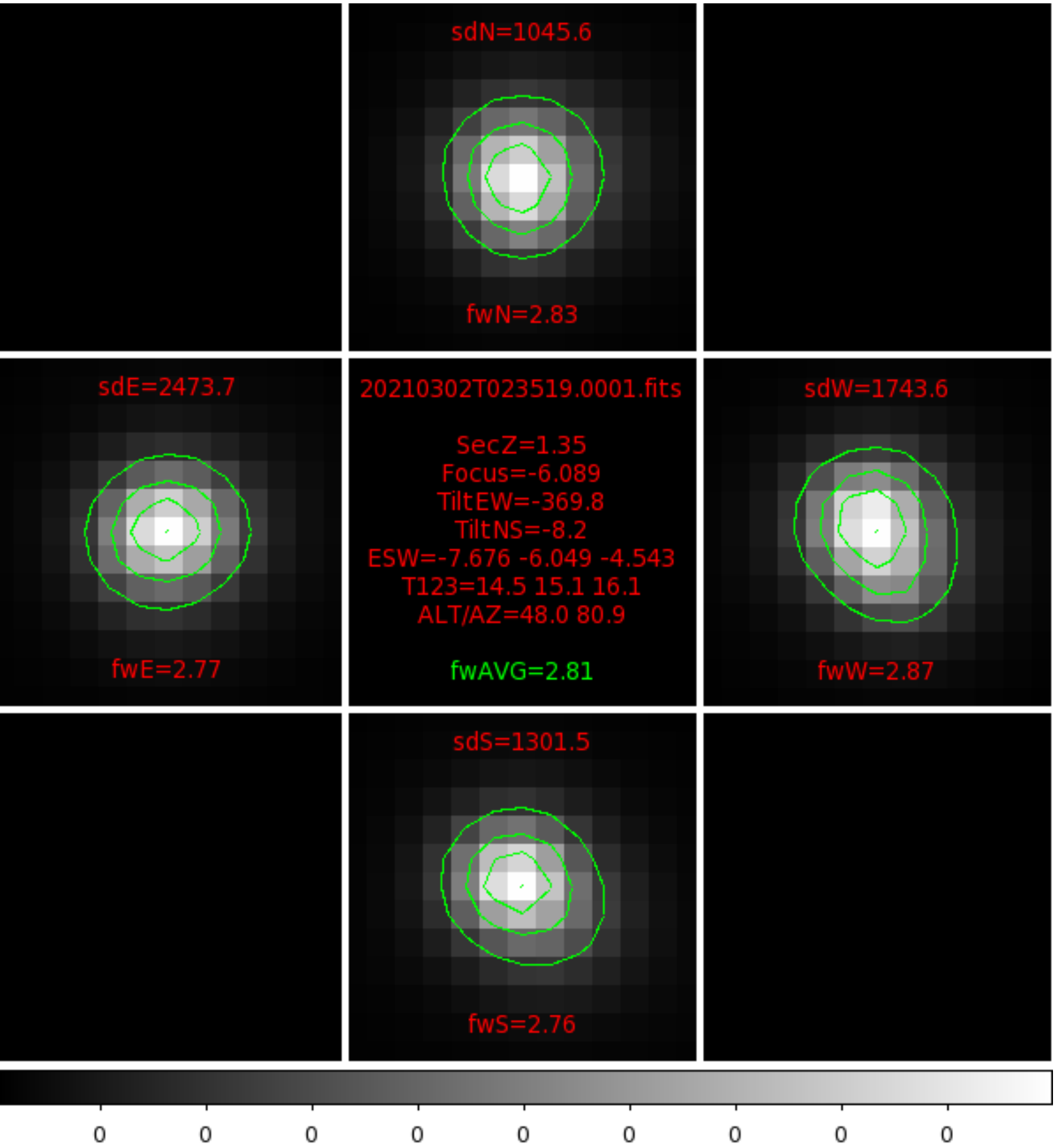
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20210302T023519.0001.fits
SecZ=1.35
Focus=-6.089
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.676 -6.049 -4.543
T123=14.5 15.1 16.1
ALT/AZ=48.0 80.9
fwAVG=2.81
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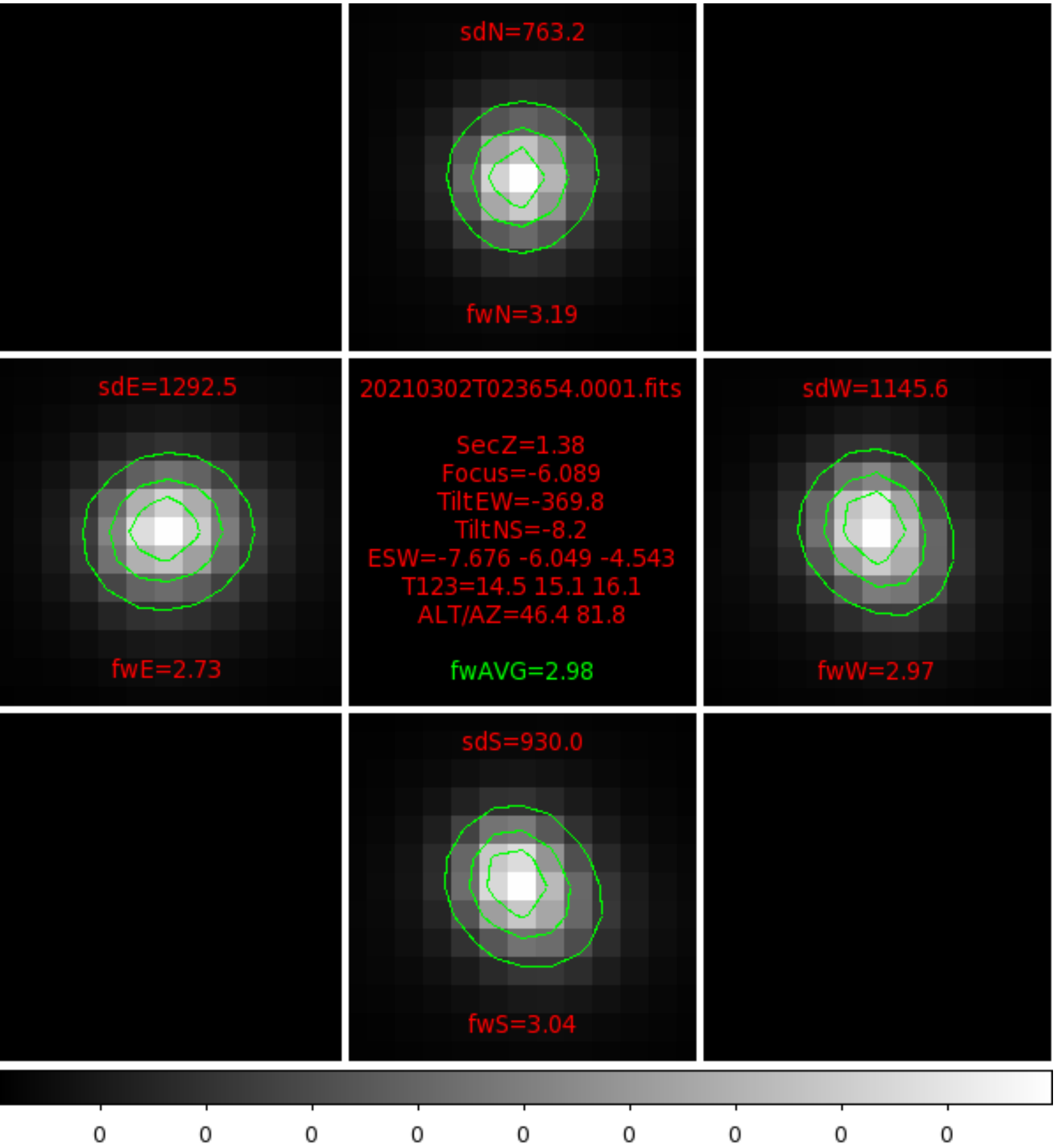
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ESW=-7.676 -6.049 -4.543
T123=14.5 15.1 16.1
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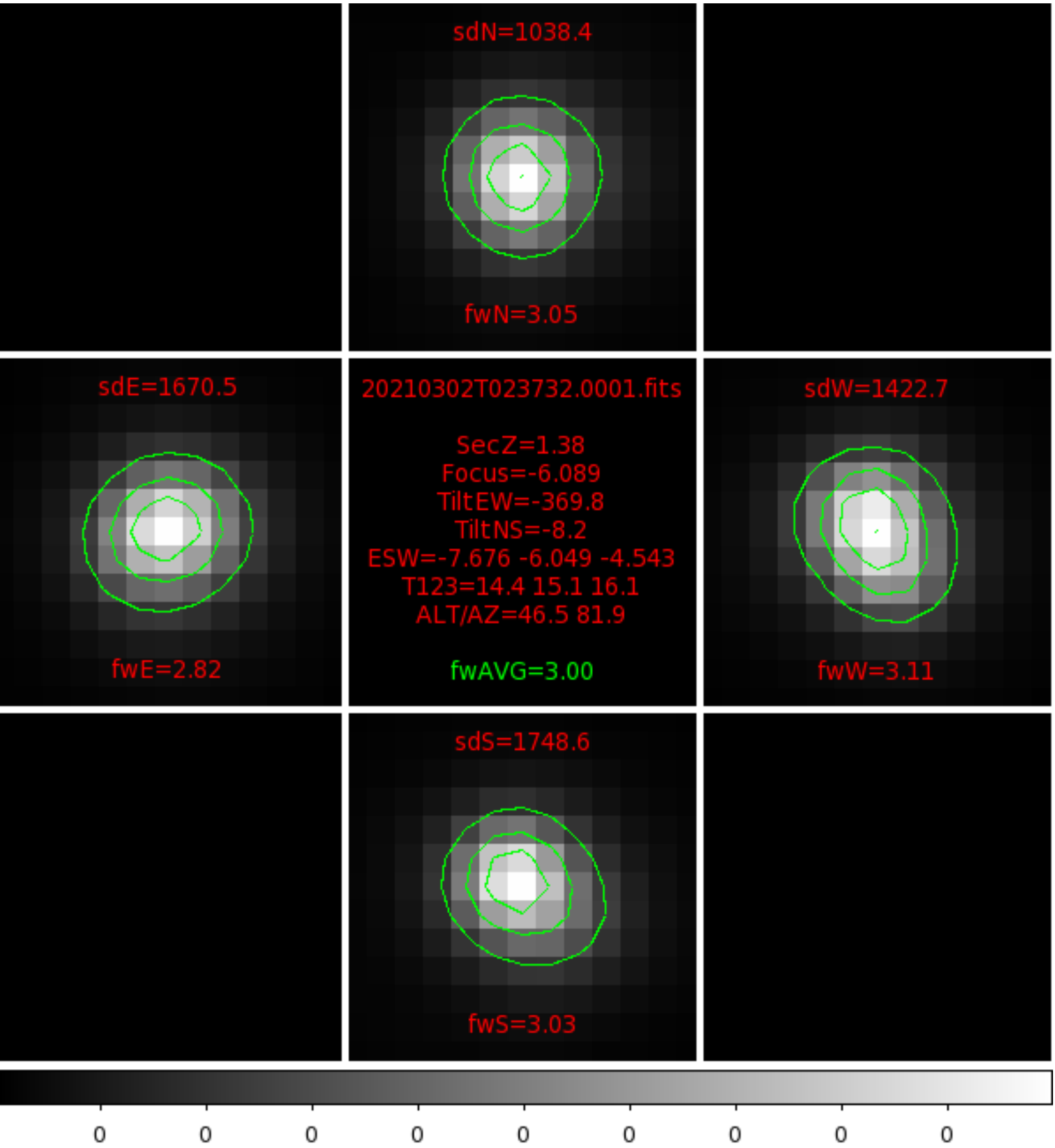
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SecZ=1.38
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TiltNS=-8.2
ESW=-7.676 -6.049 -4.543
T123=14.4 15.1 16.1
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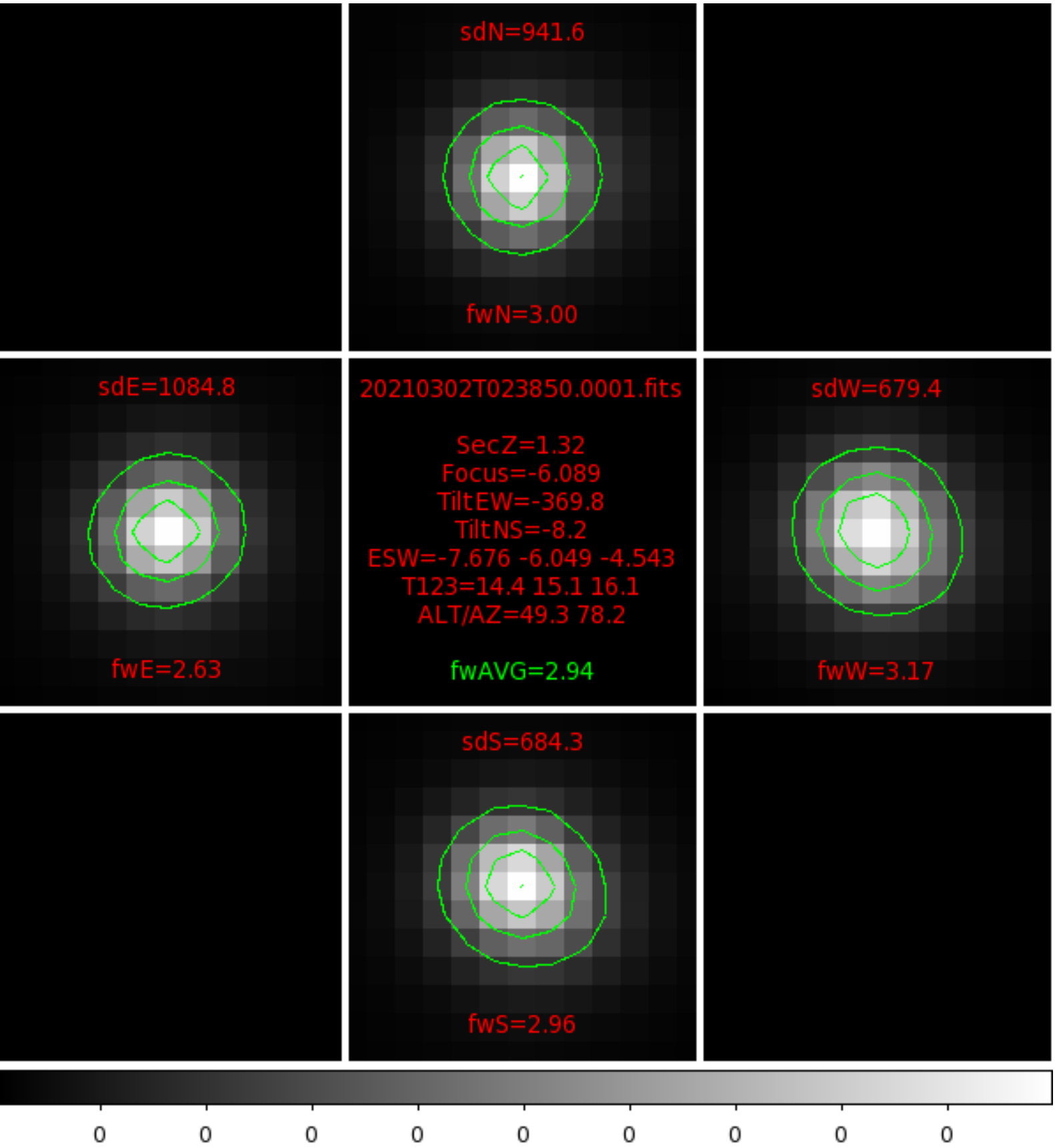
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ESW=-7.676 -6.049 -4.543
T123=14.4 15.1 16.1
ALT/AZ=49.3 78.2
fwAVG=2.94
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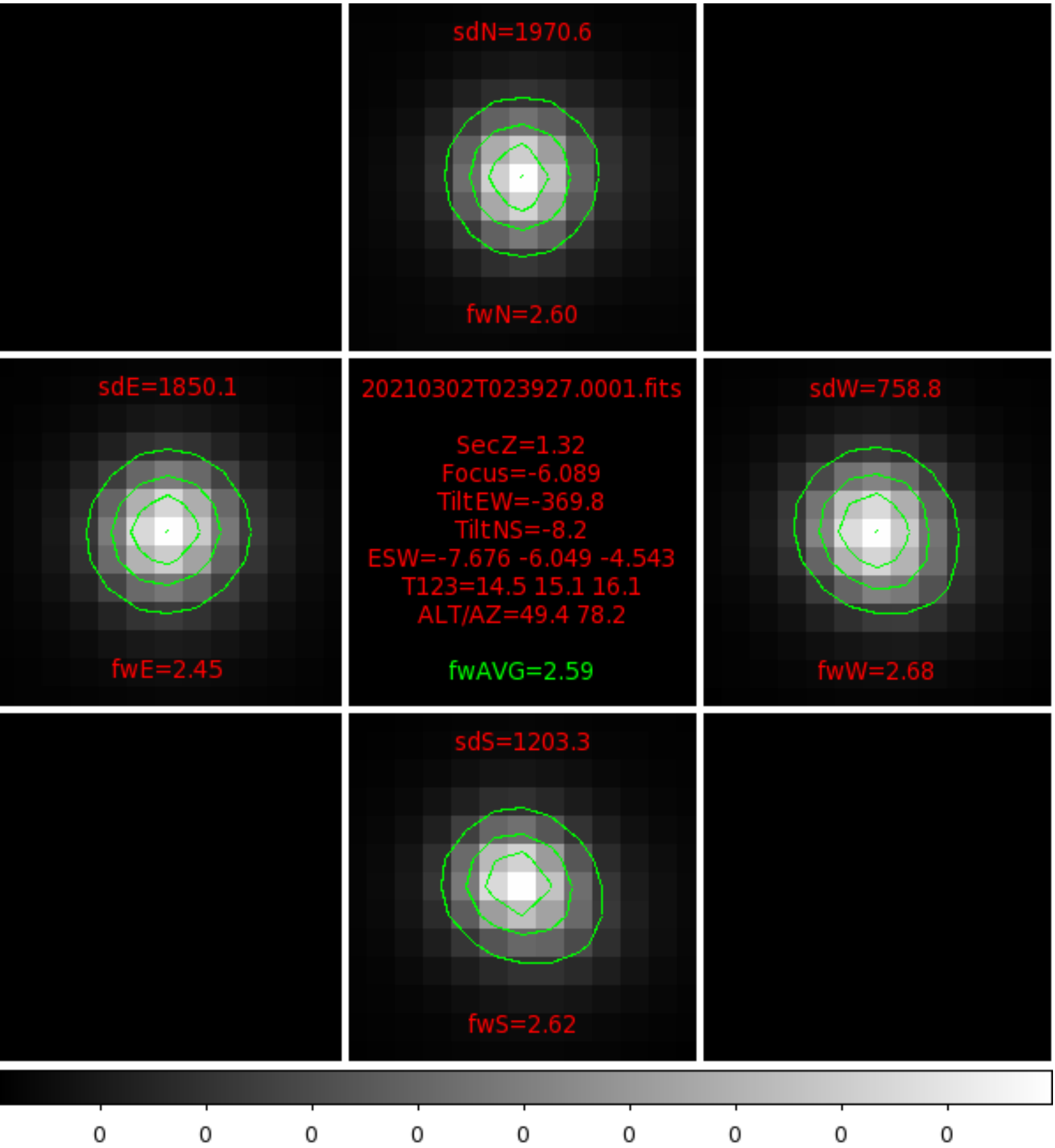
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SecZ=1.32
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.676 -6.049 -4.543
T123=14.5 15.1 16.1
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fwAVG=2.59
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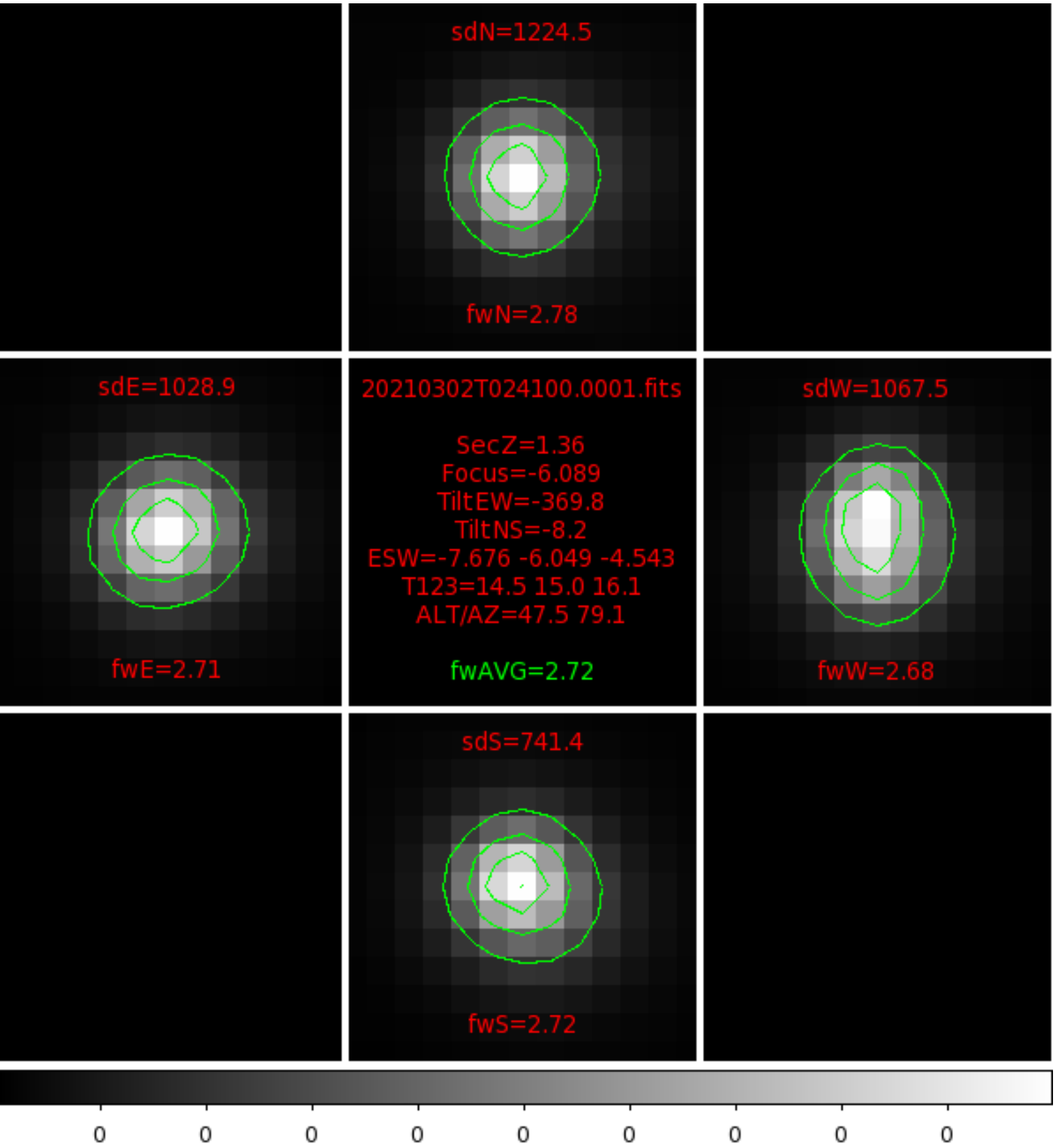
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ESW=-7.676 -6.049 -4.543
T123=14.5 15.0 16.1
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fwAVG=2.72
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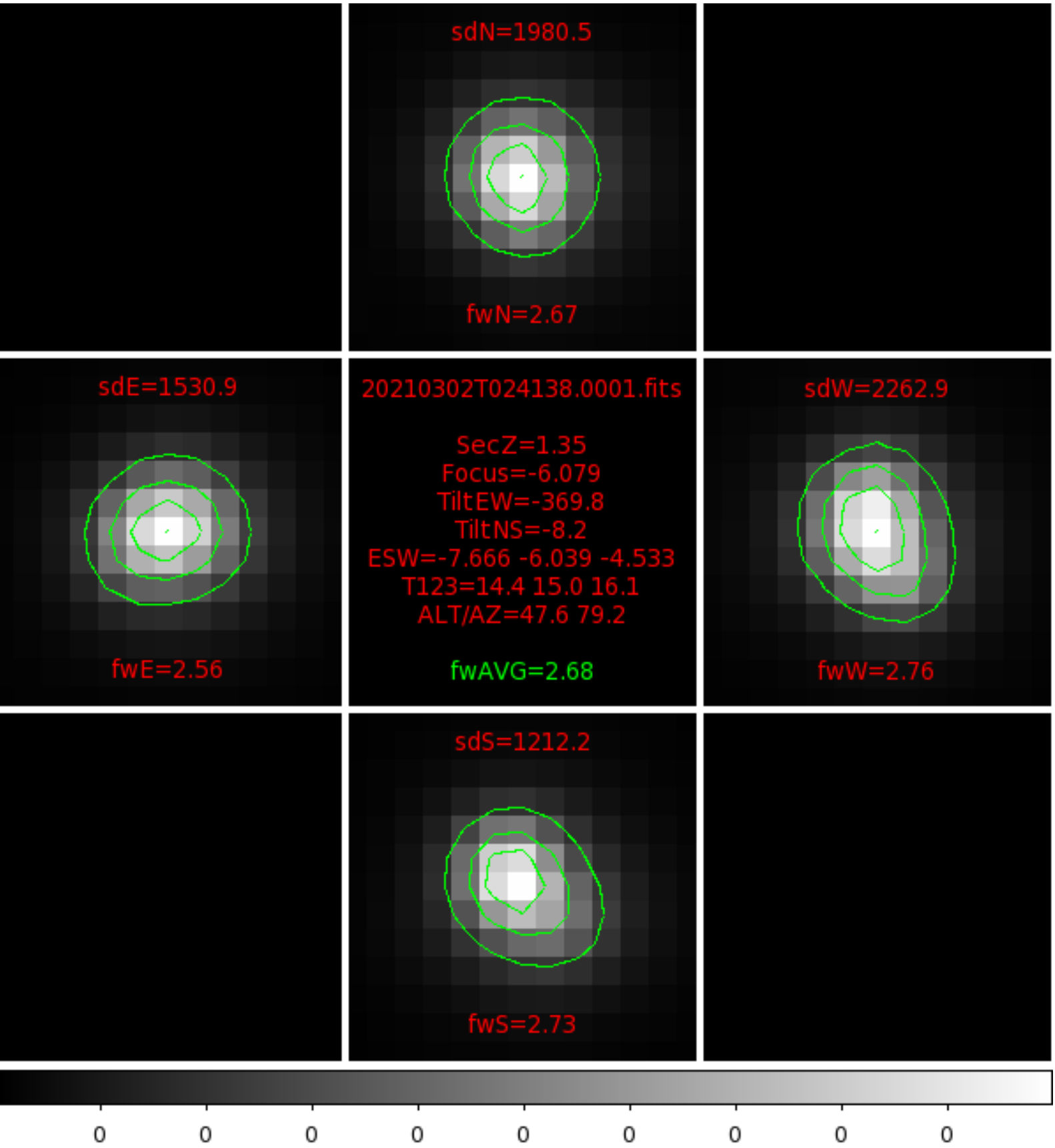
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ESW=-7.666 -6.039 -4.533
T123=14.4 15.0 16.1
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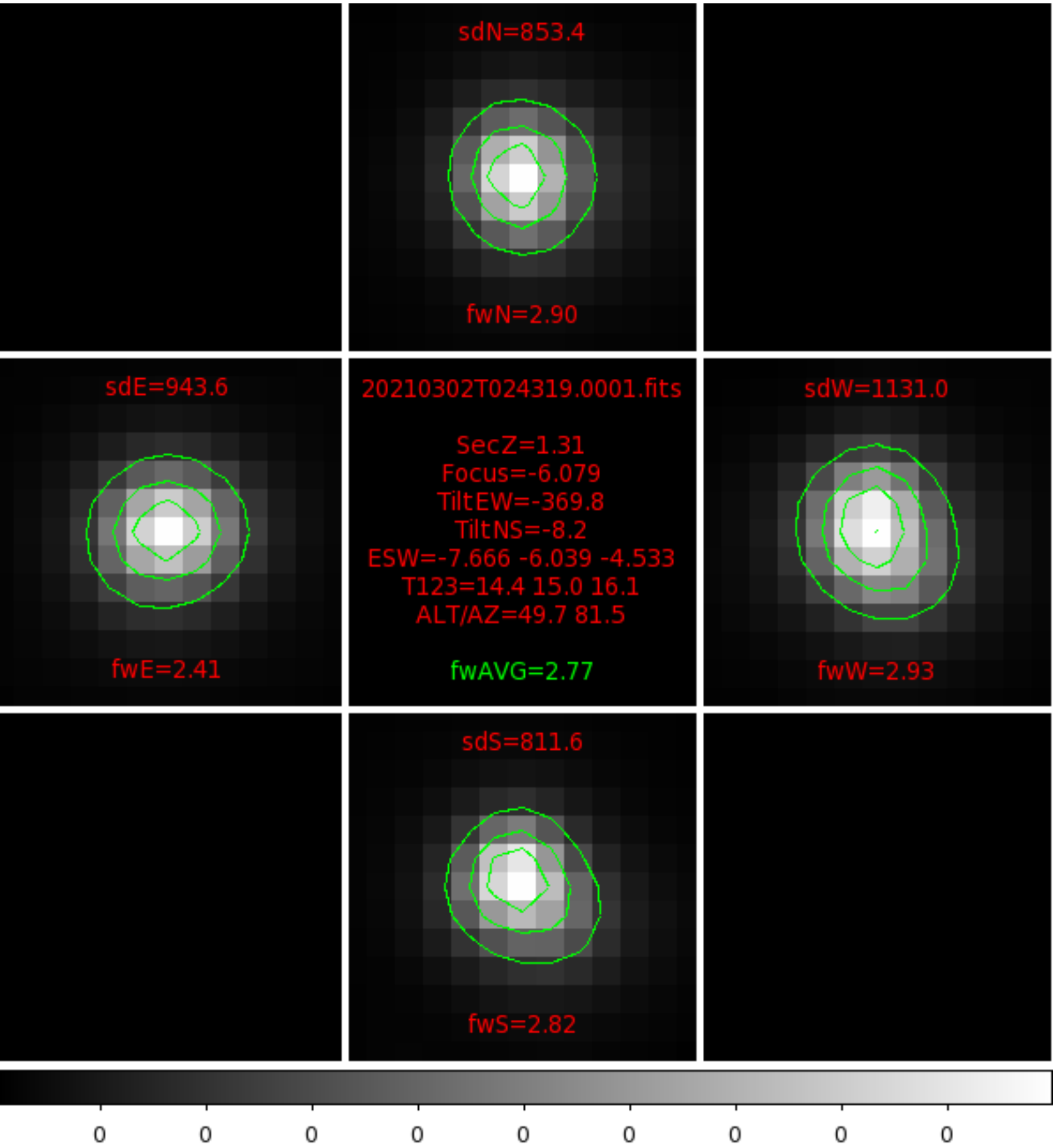
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ESW=-7.666 -6.039 -4.533
T123=14.4 15.0 16.1
ALT/AZ=49.7 81.5
fwAVG=2.77
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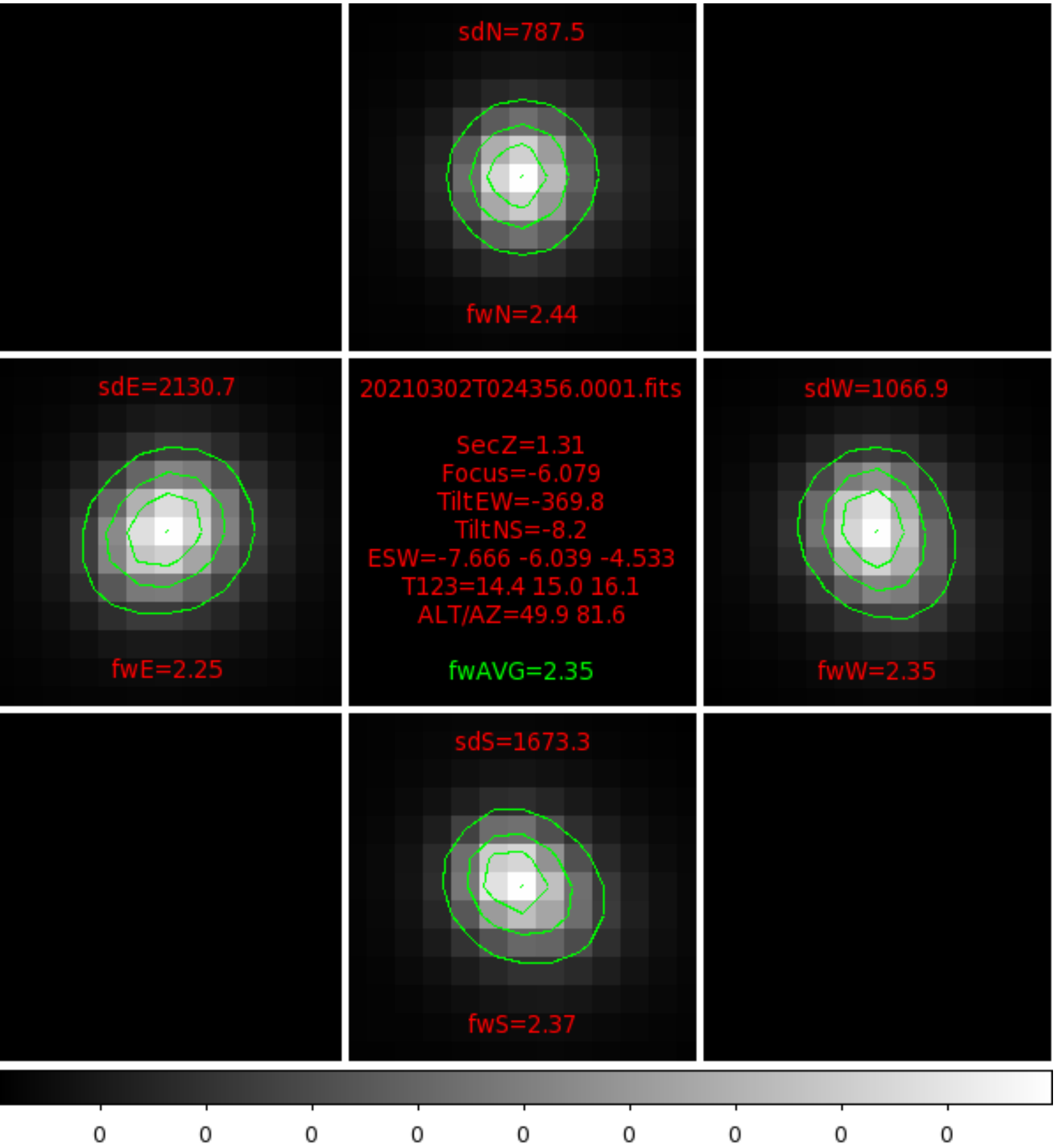
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ESW=-7.666 -6.039 -4.533
T123=14.4 15.0 16.1
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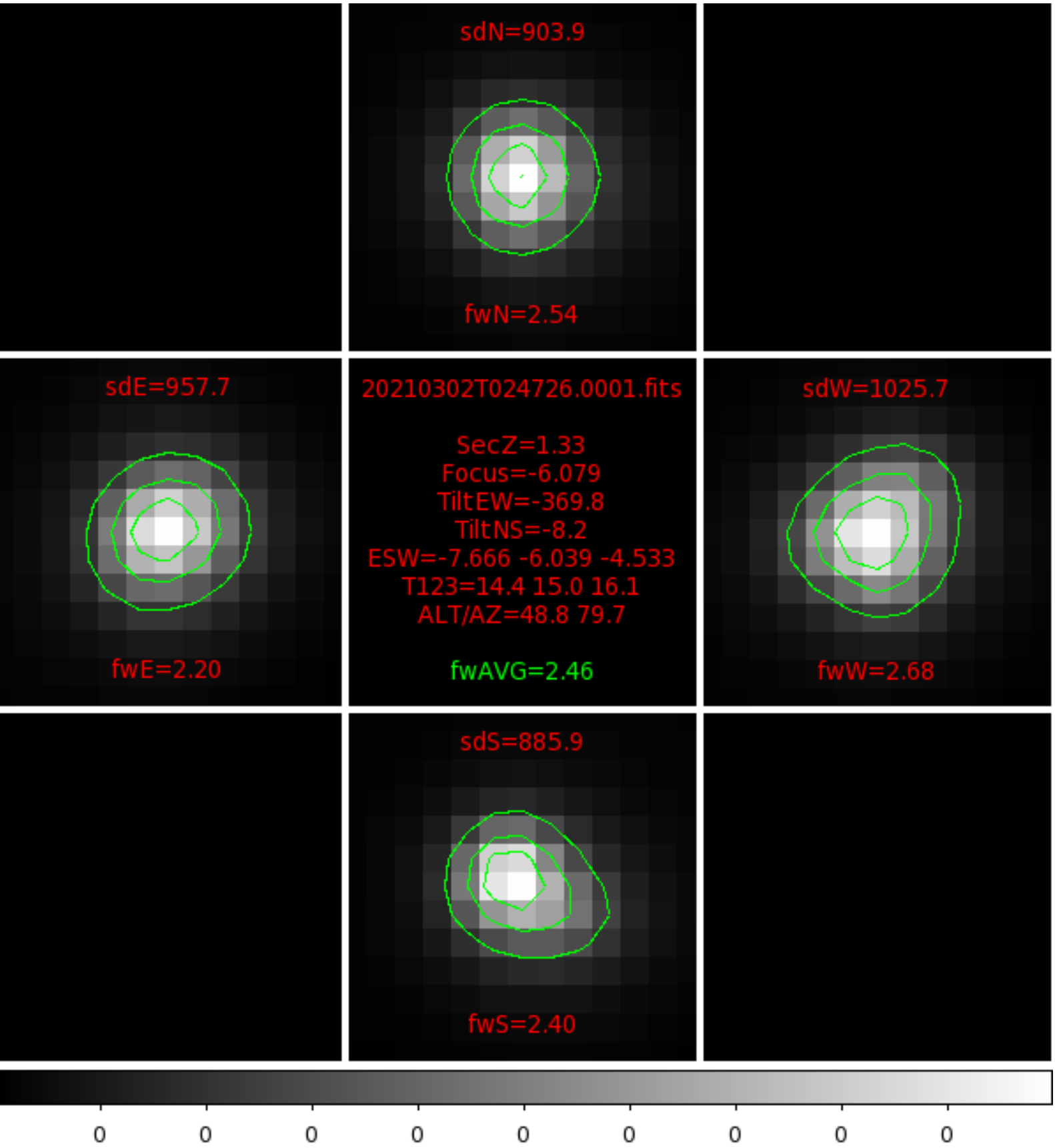
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ESW=-7.666 -6.039 -4.533
T123=14.4 15.0 16.1
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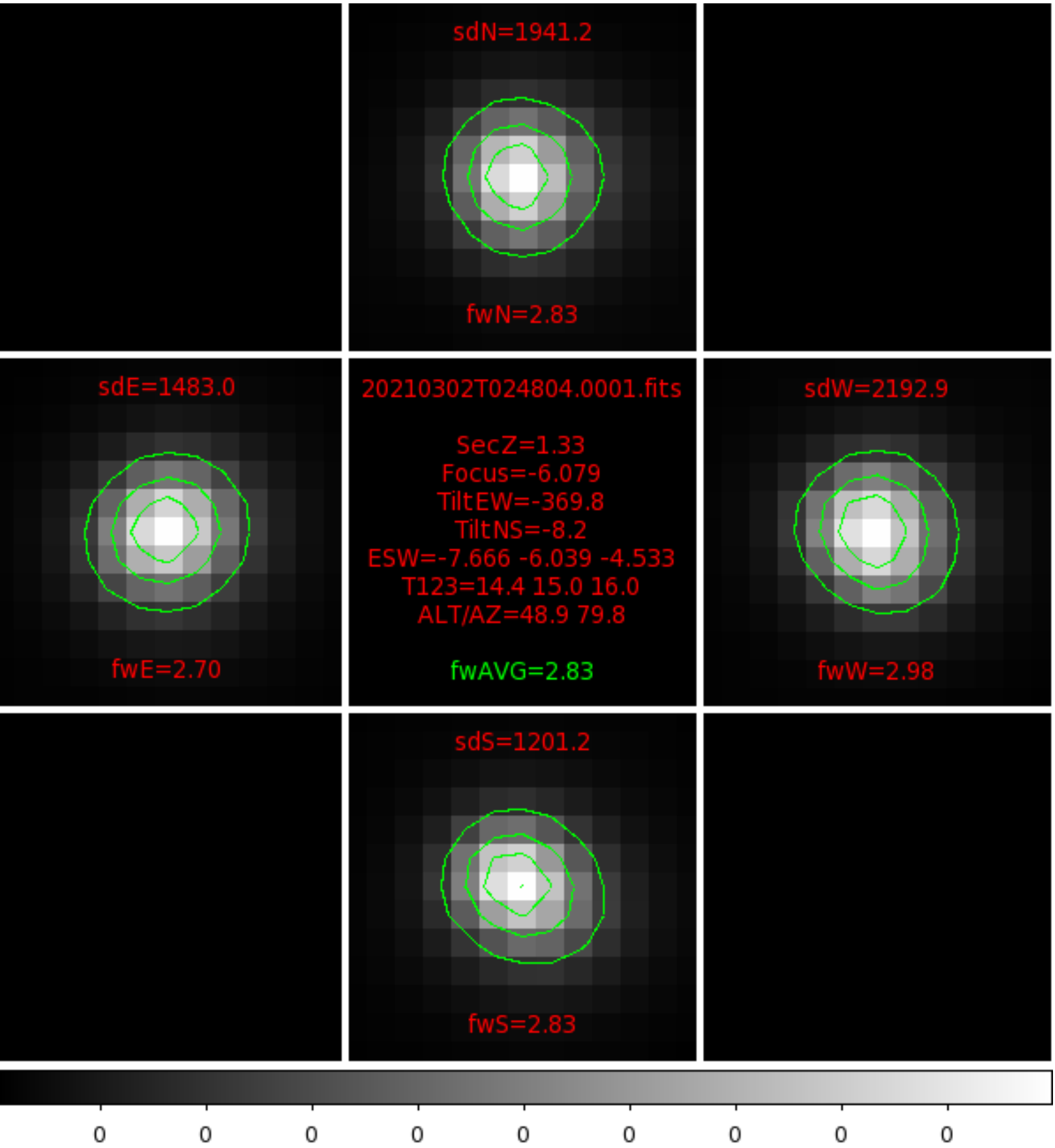
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ESW=-7.666 -6.039 -4.533
T123=14.4 15.0 16.0
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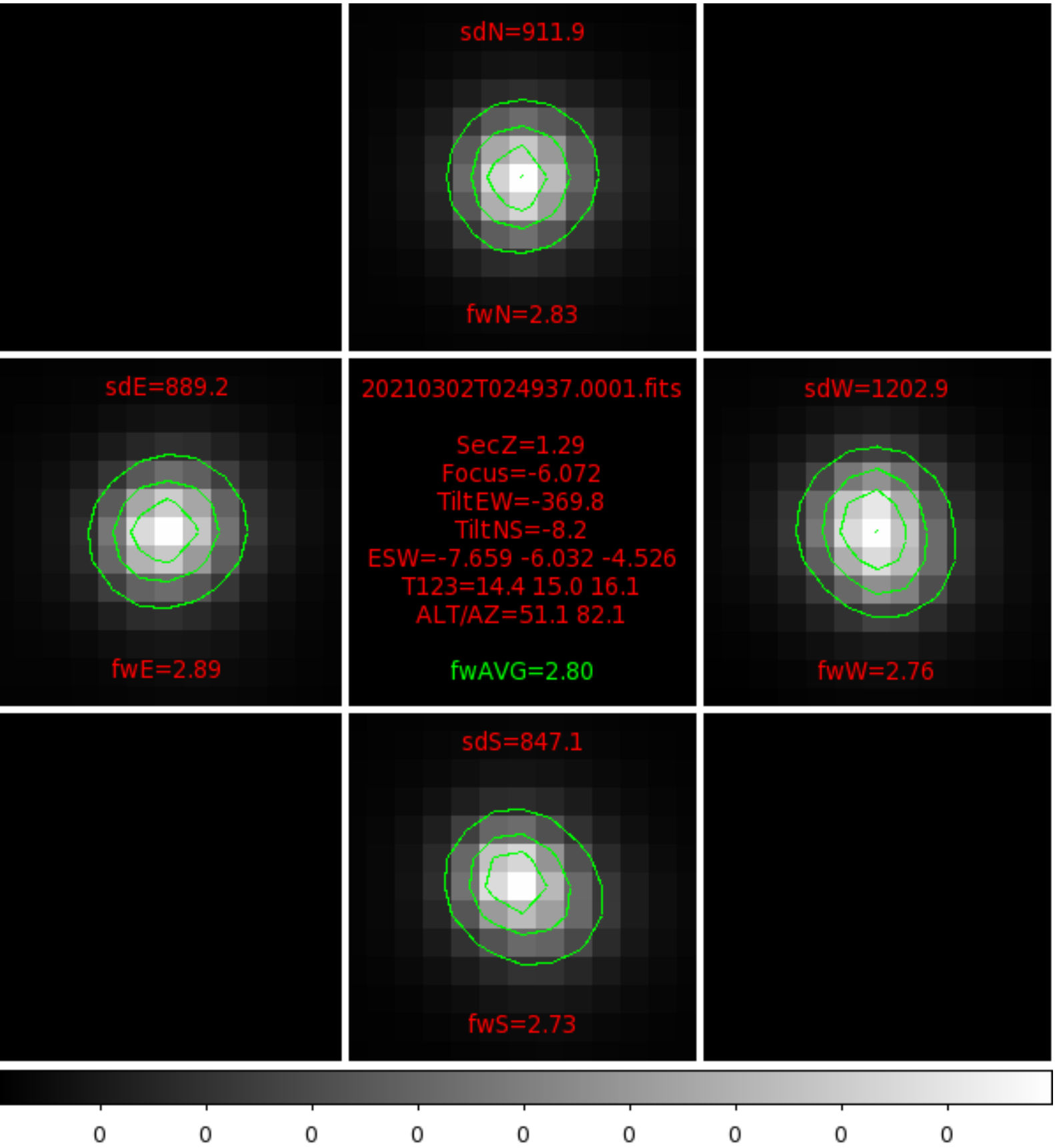
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.659 -6.032 -4.526
T123=14.4 15.0 16.1
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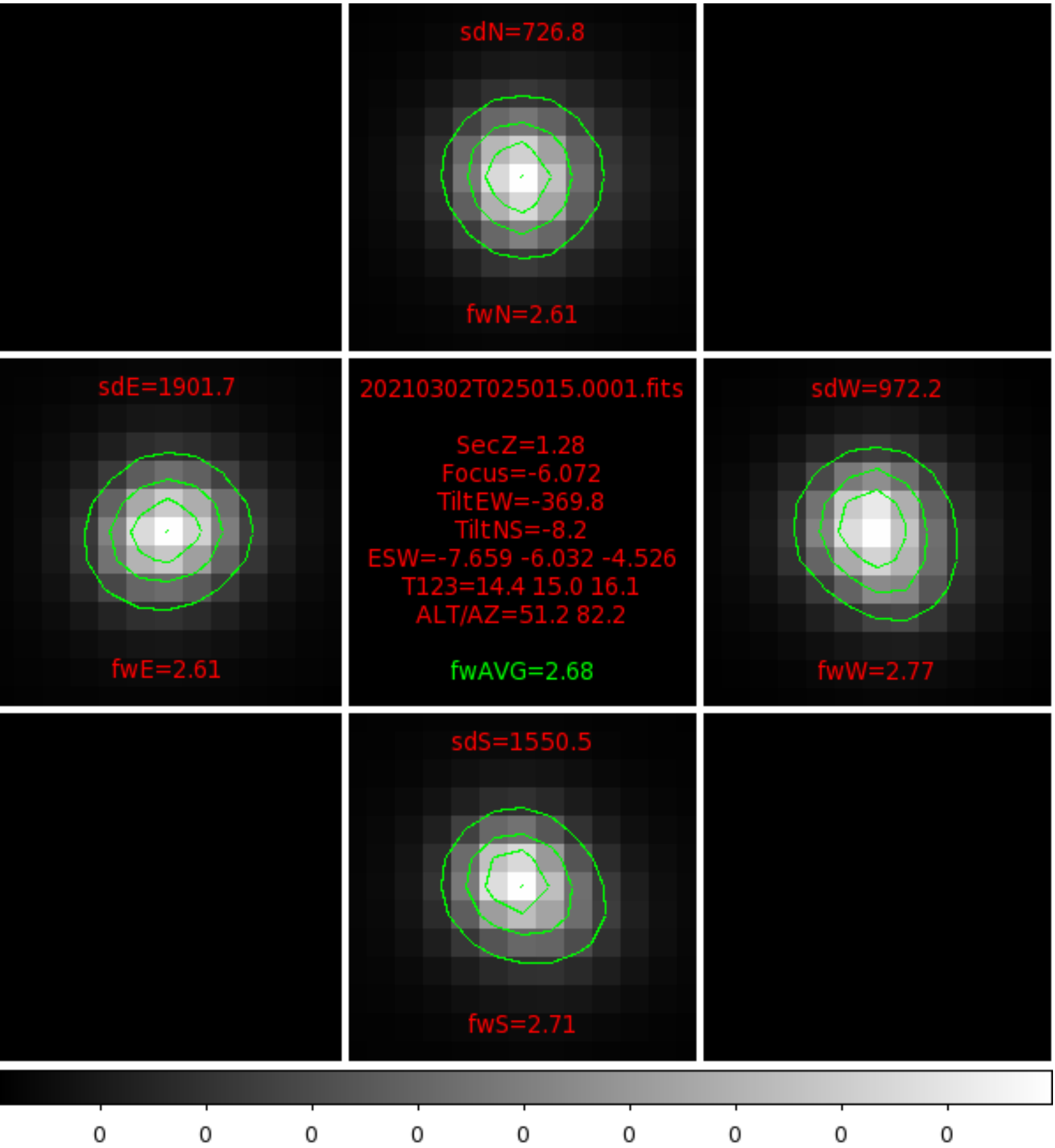
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ESW=-7.659 -6.032 -4.526
T123=14.4 15.0 16.1
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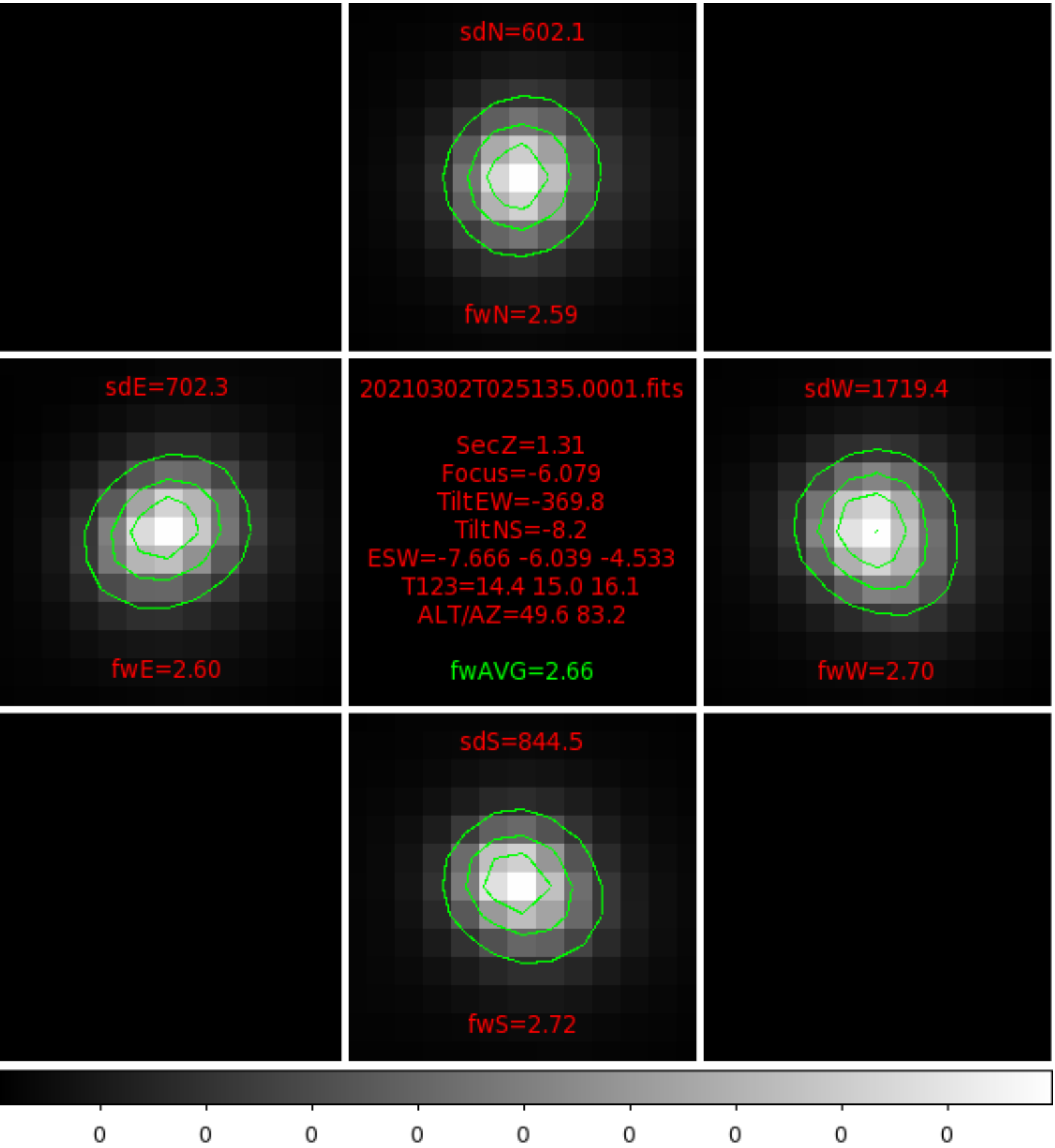
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ESW=-7.666 -6.039 -4.533
T123=14.4 15.0 16.1
ALT/AZ=49.6 83.2
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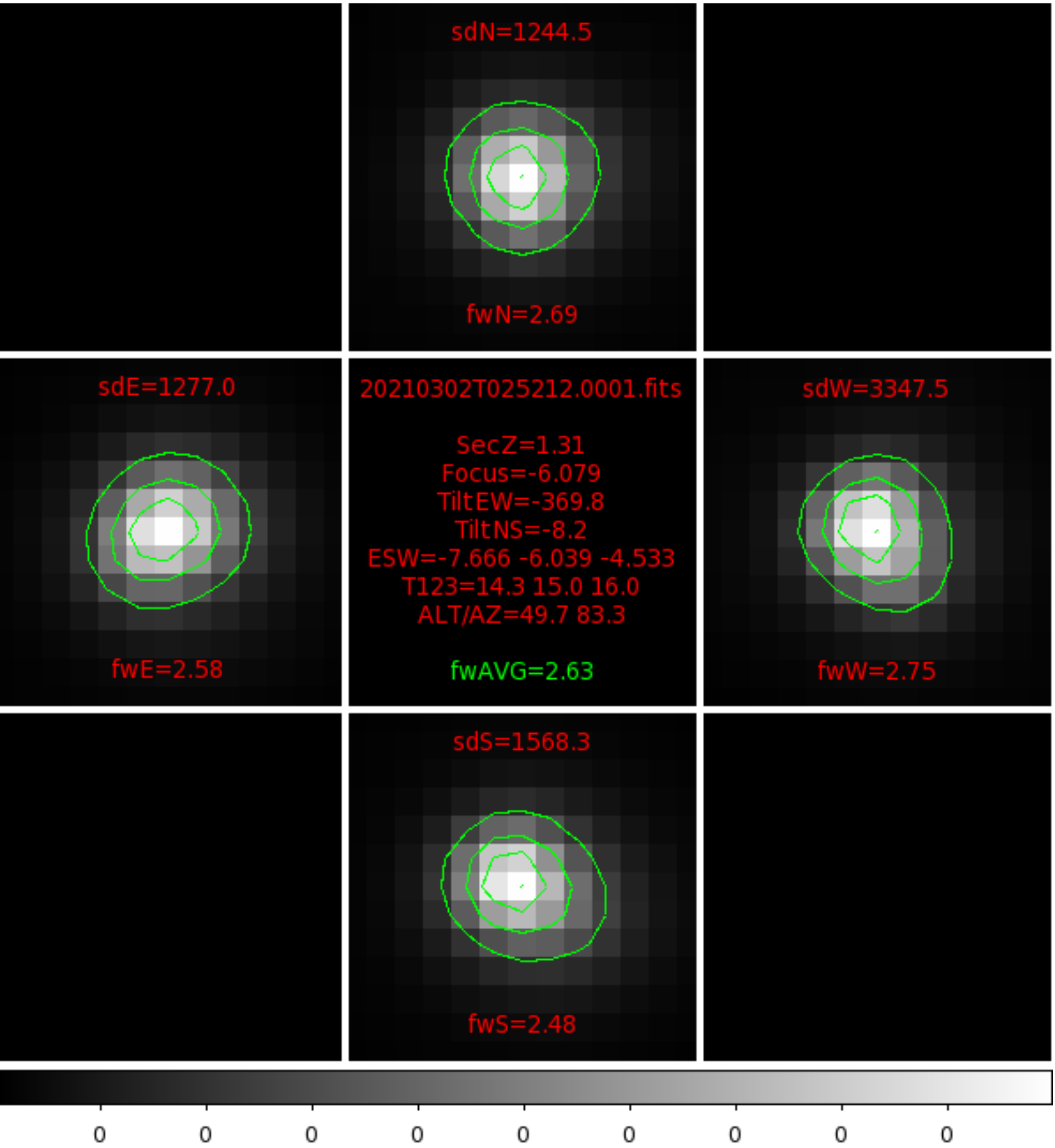
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ESW=-7.666 -6.039 -4.533
T123=14.3 15.0 16.0
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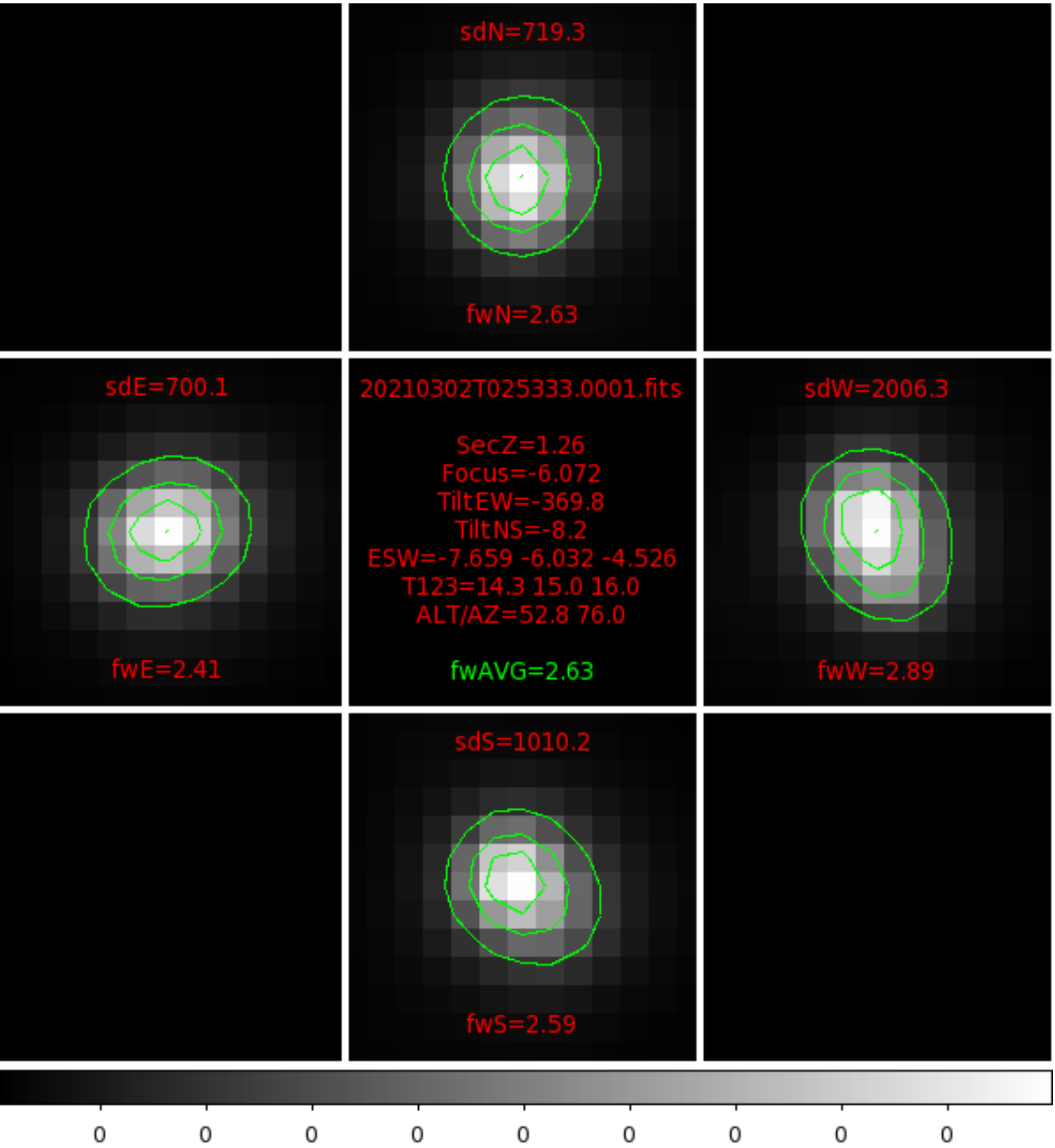
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TiltNS=-8.2
ESW=-7.659 -6.032 -4.526
T123=14.3 15.0 16.0
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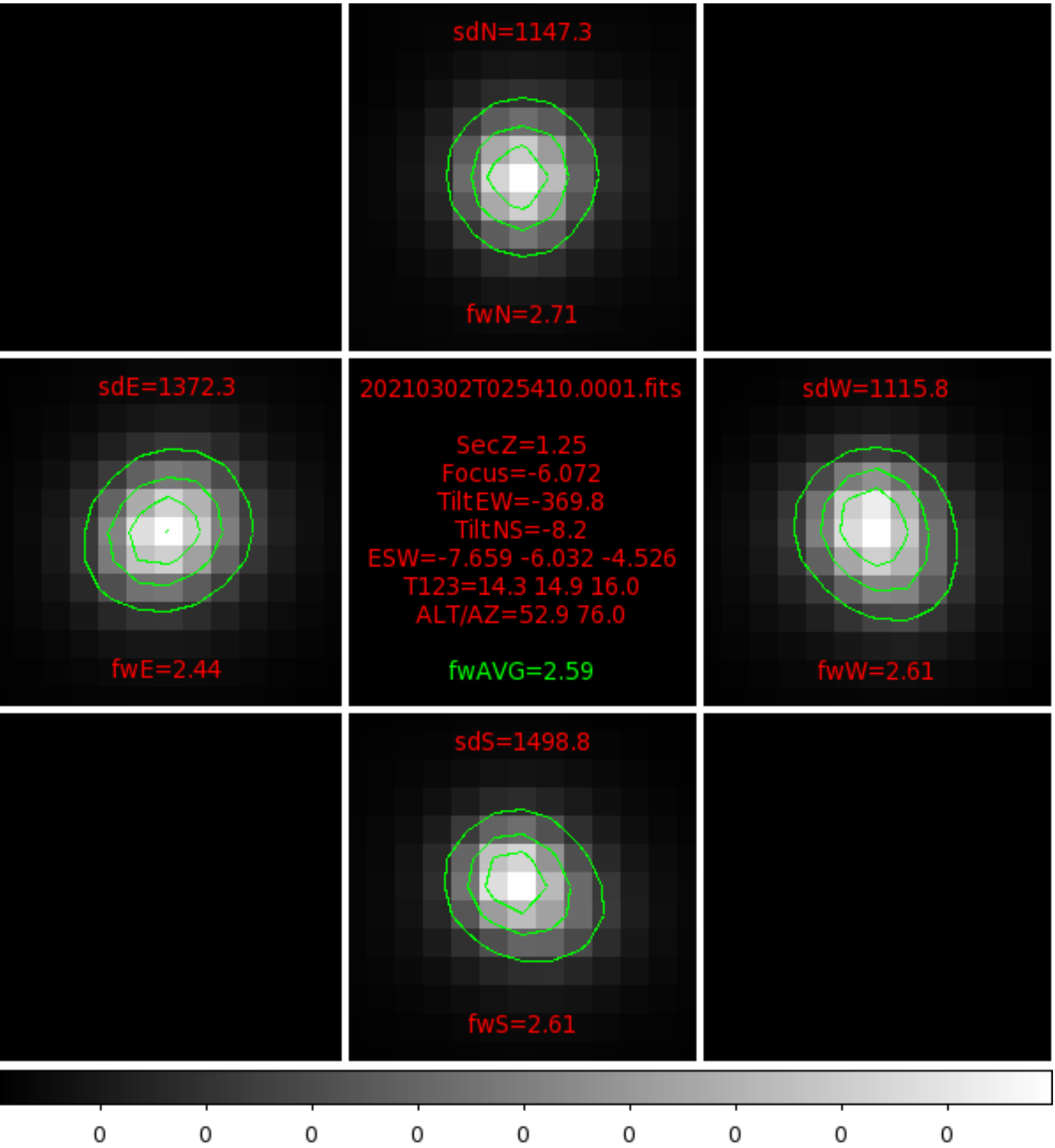
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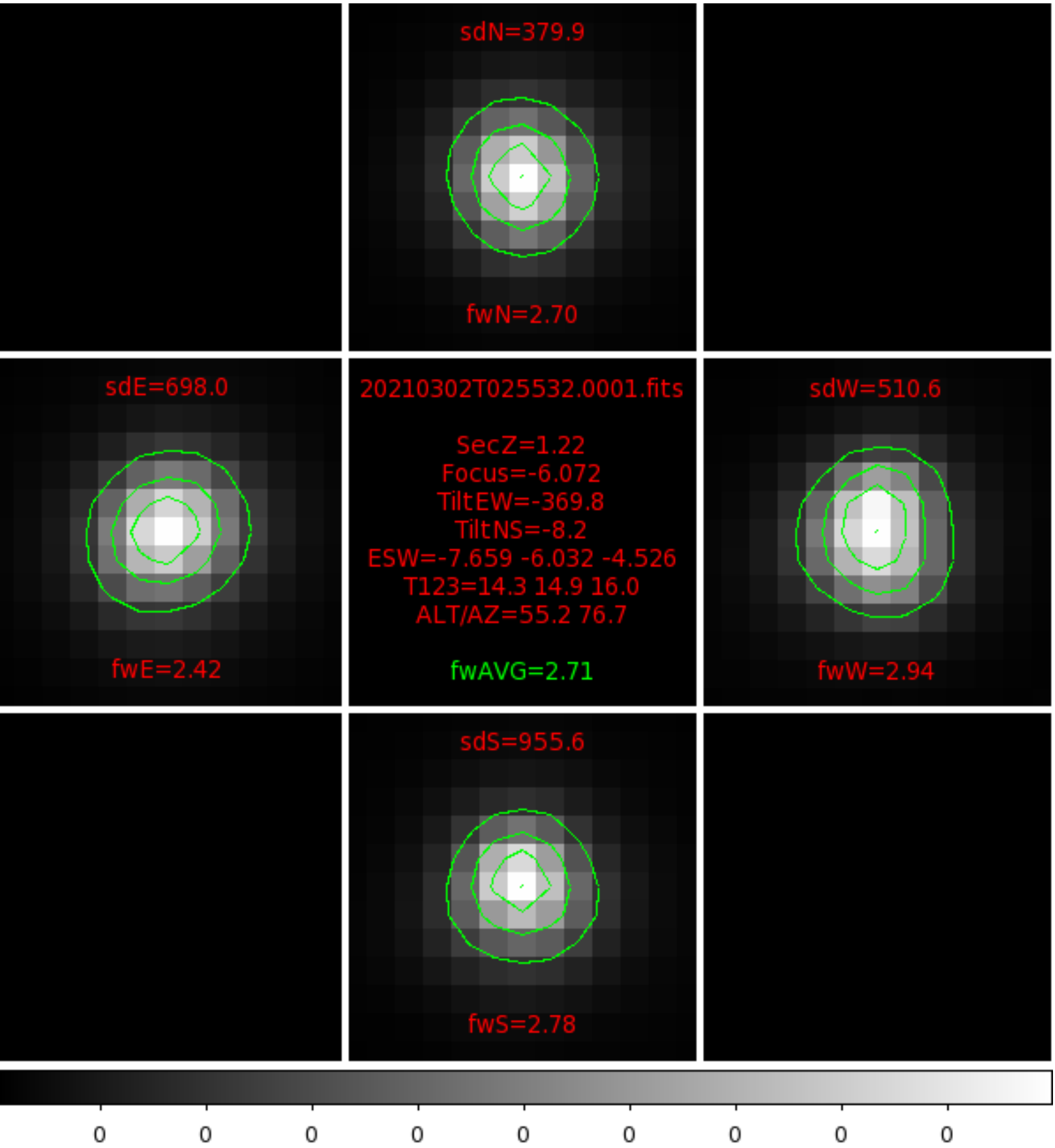
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T123=14.3 14.9 16.0
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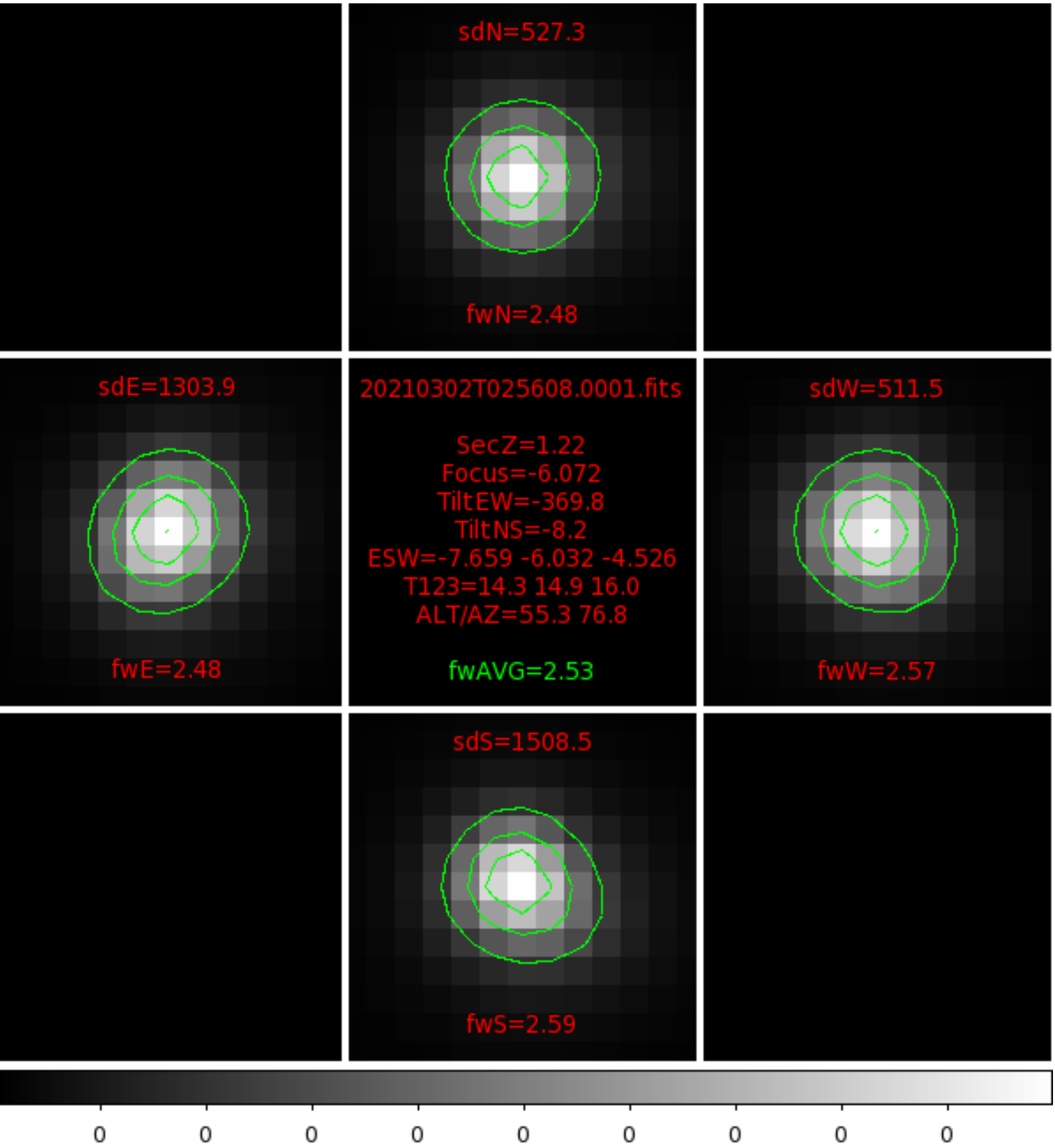
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T123=14.3 14.9 16.0
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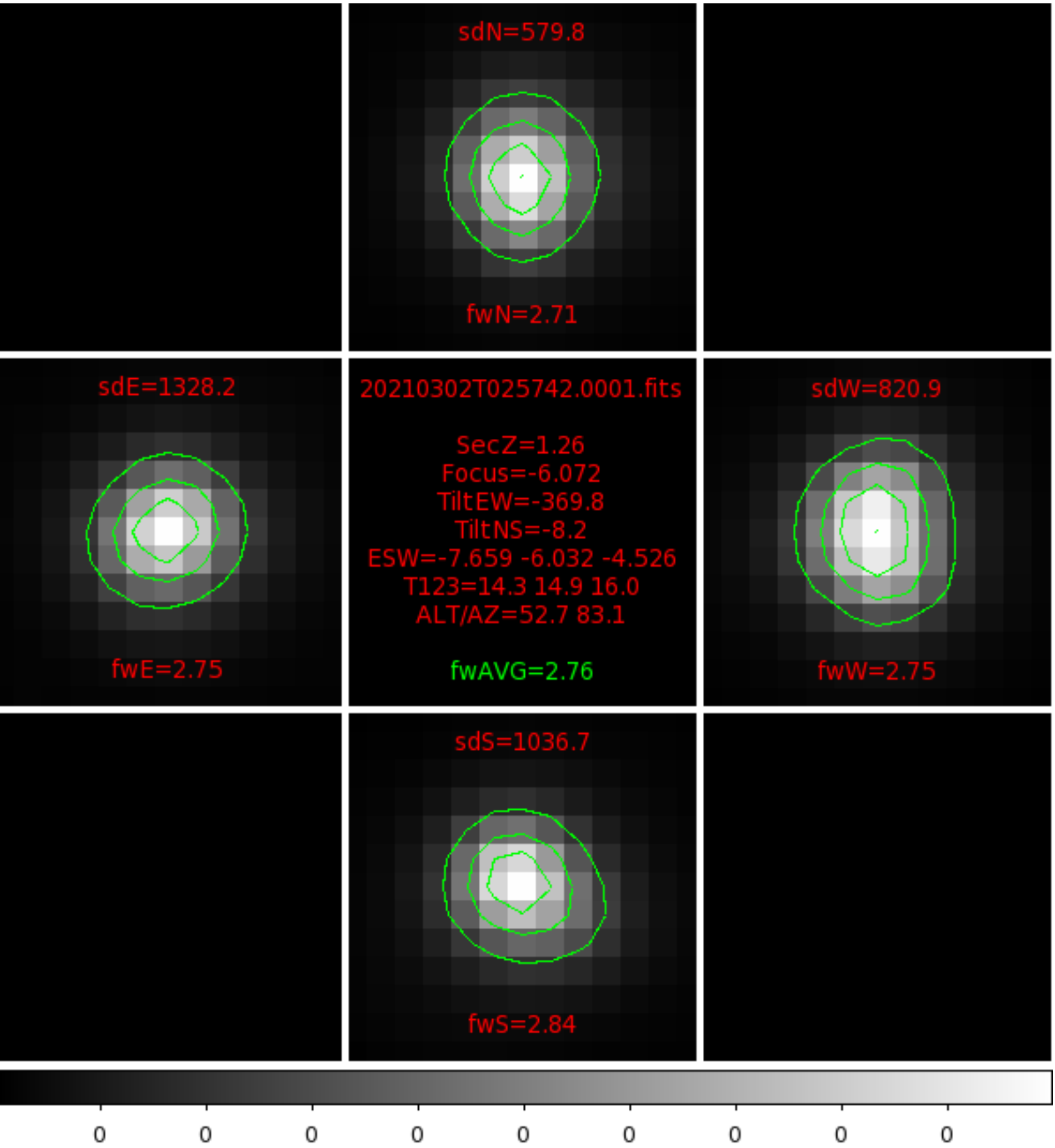
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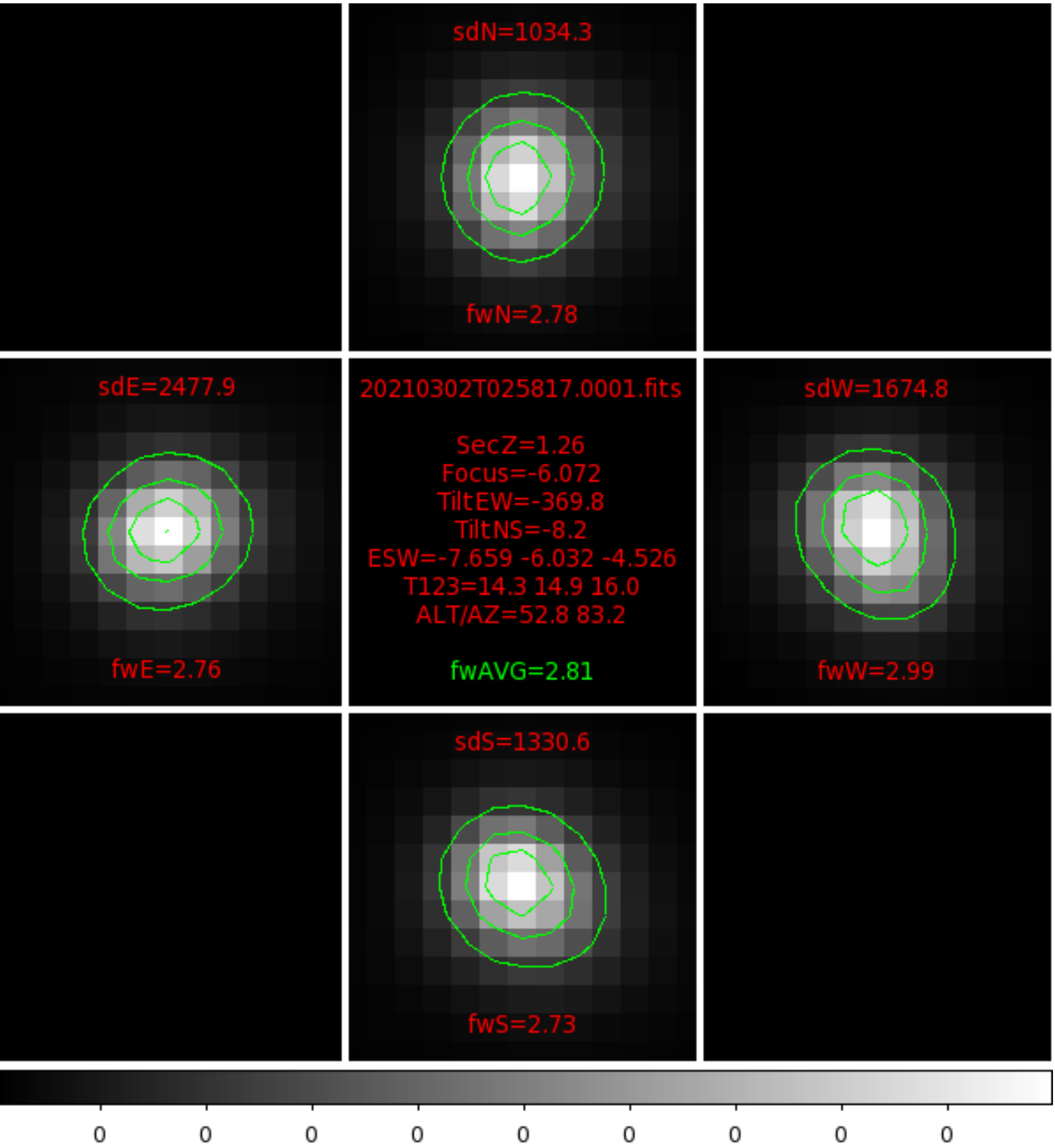
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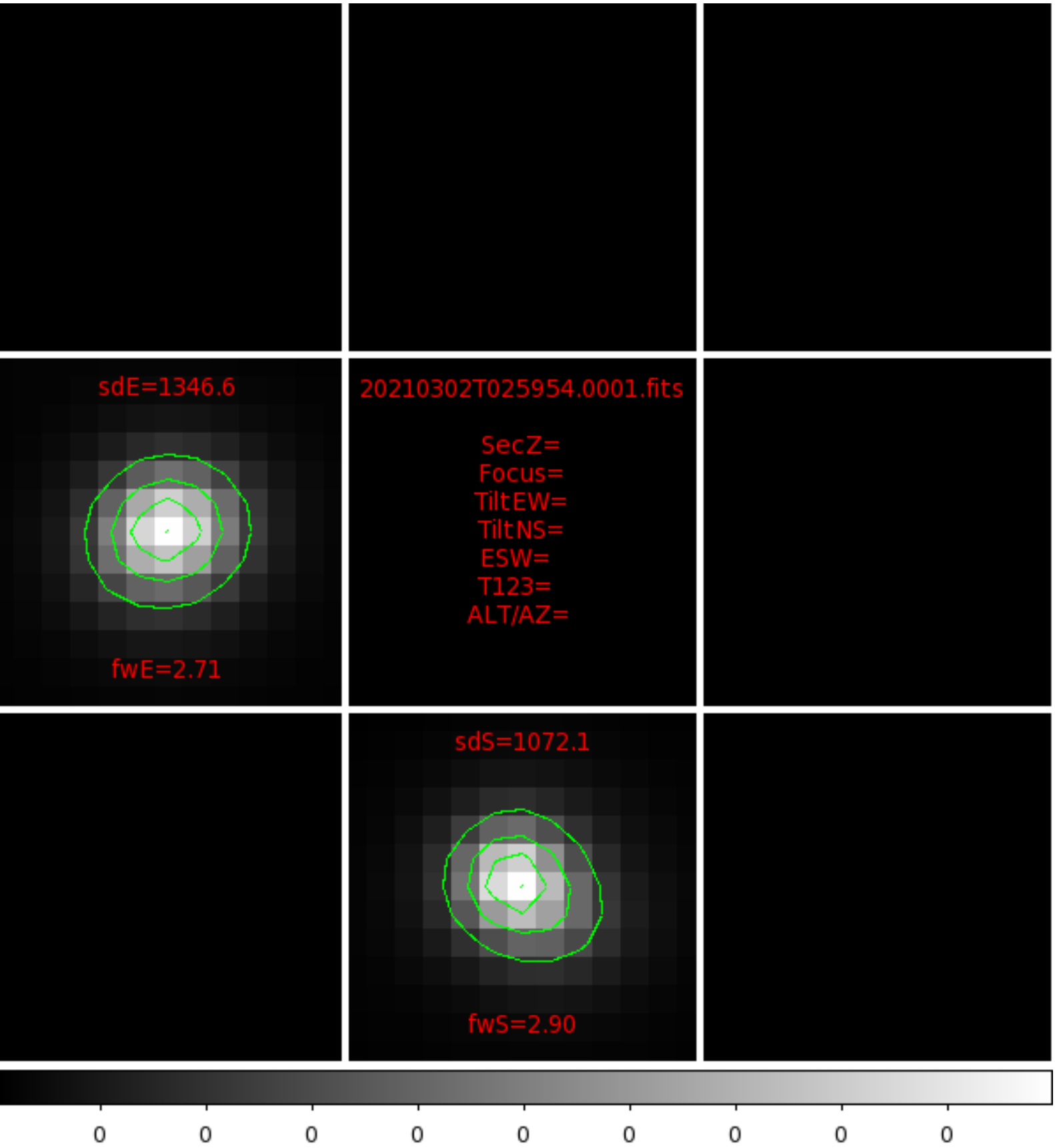
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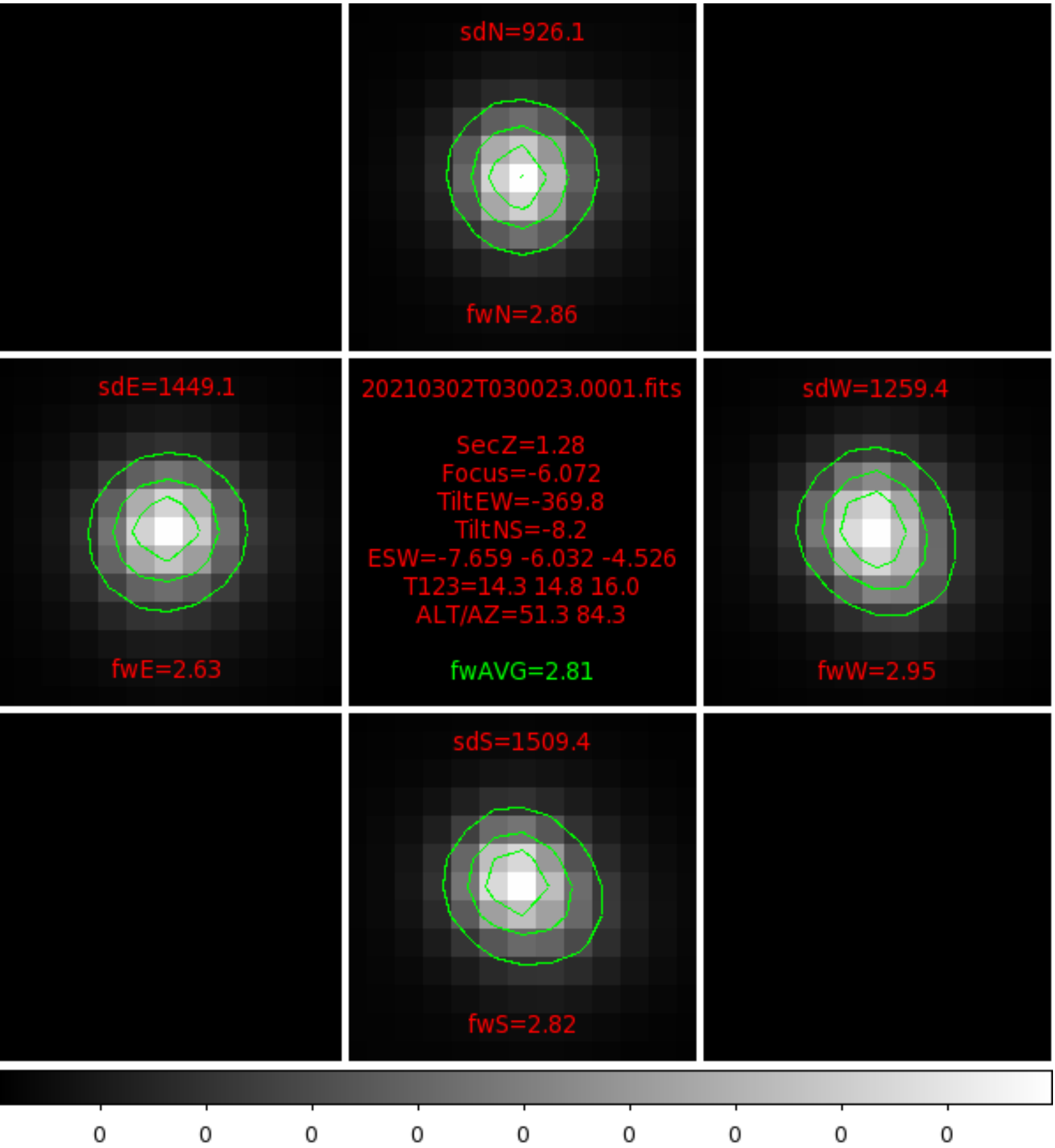
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T123=14.3 14.8 16.0
ALT/AZ=51.3 84.3
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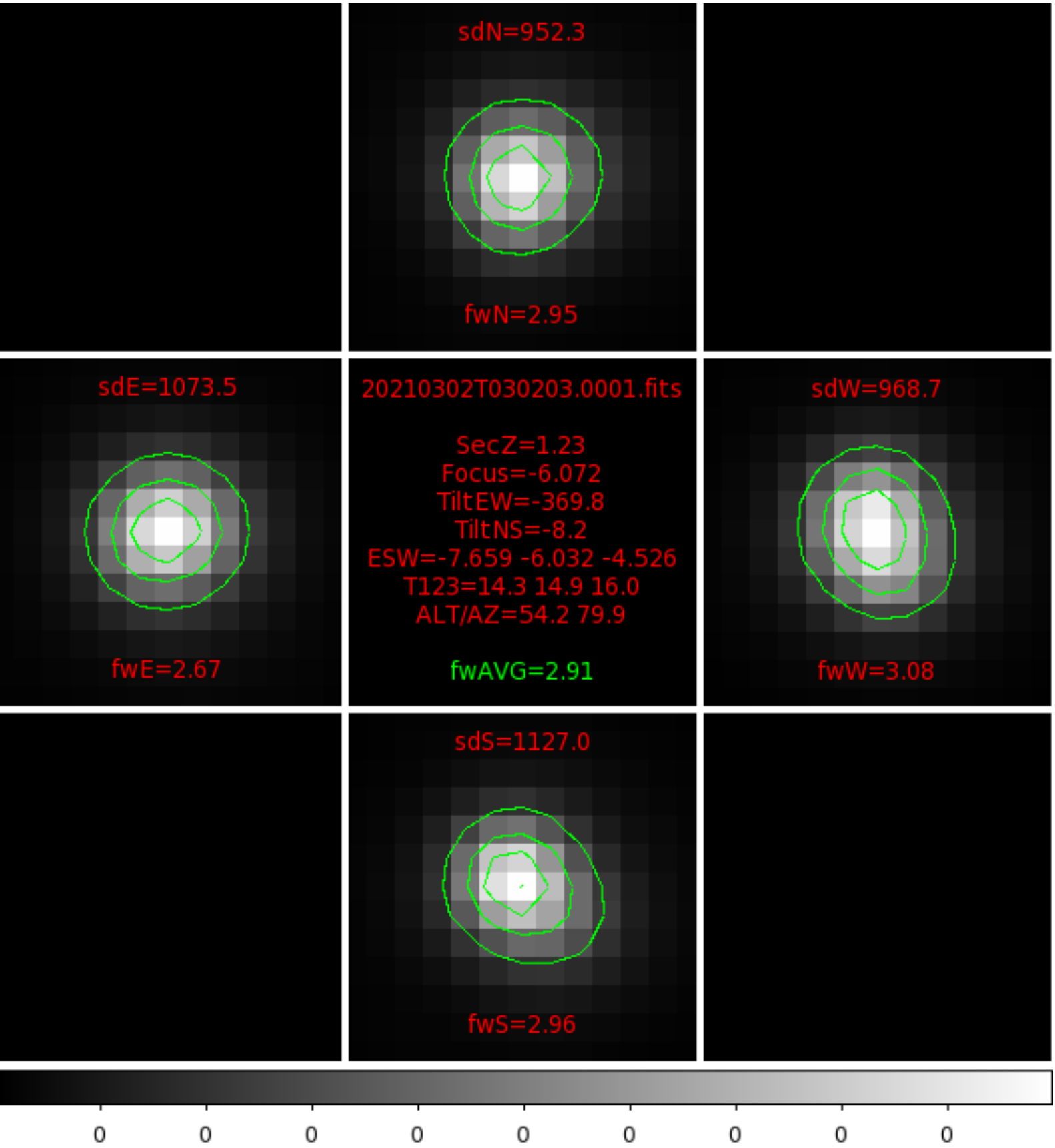
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TiltNS=-8.2
ESW=-7.659 -6.032 -4.526
T123=14.3 14.9 16.0
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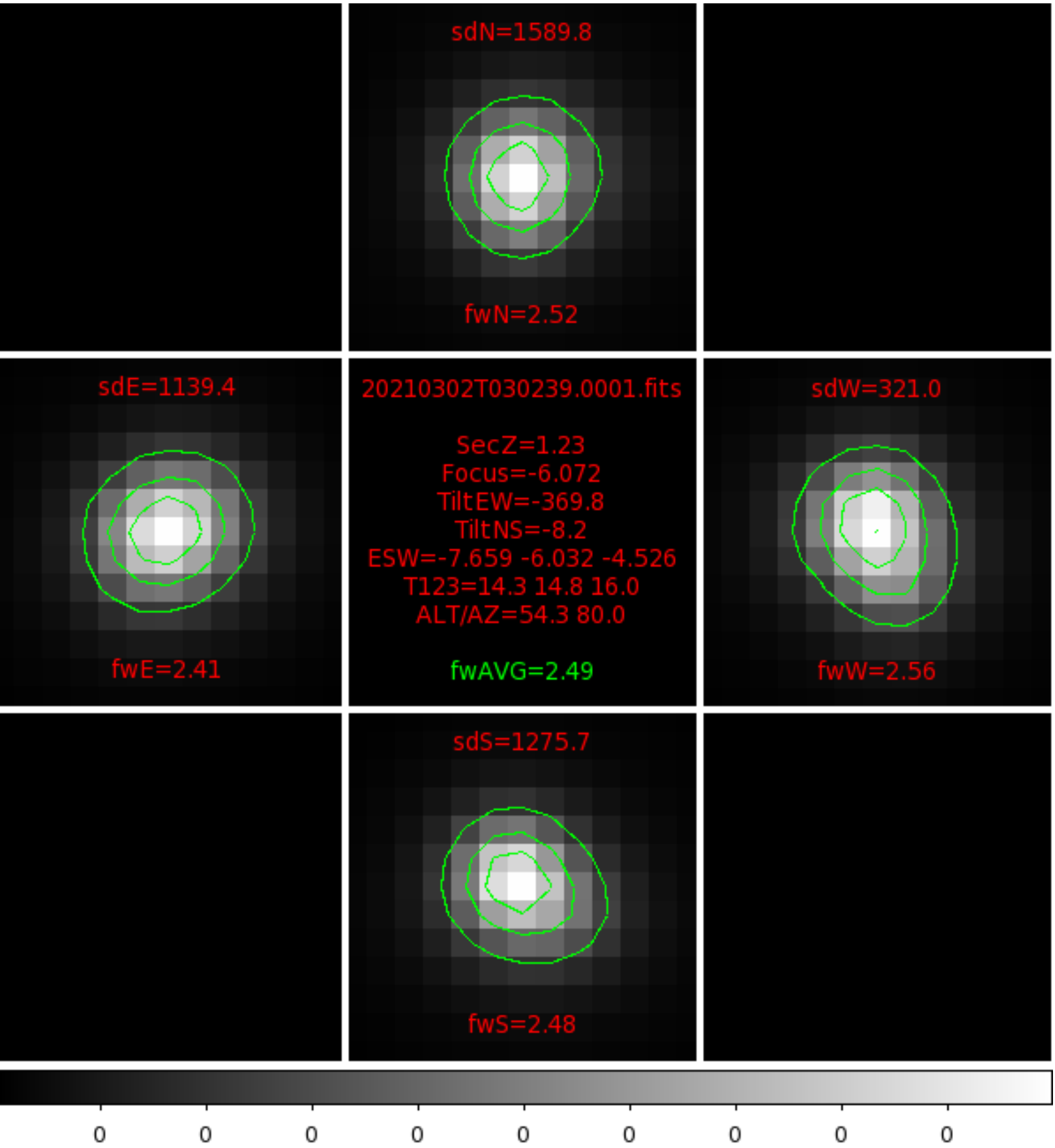
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TiltNS=-8.2
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T123=14.3 14.8 16.0
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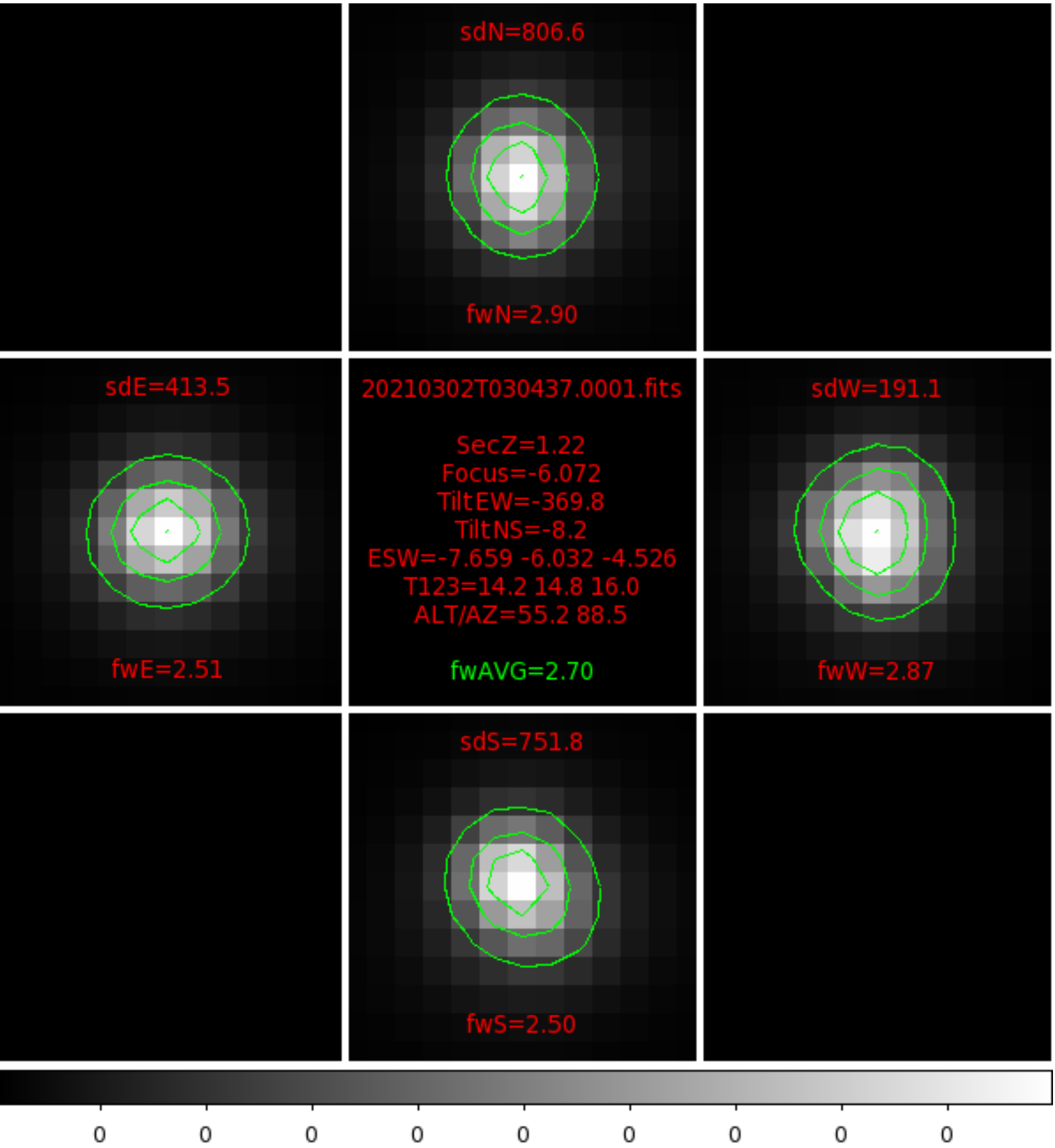
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TiltNS=-8.2
ESW=-7.659 -6.032 -4.526
T123=14.2 14.8 16.0
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fwAVG=2.70
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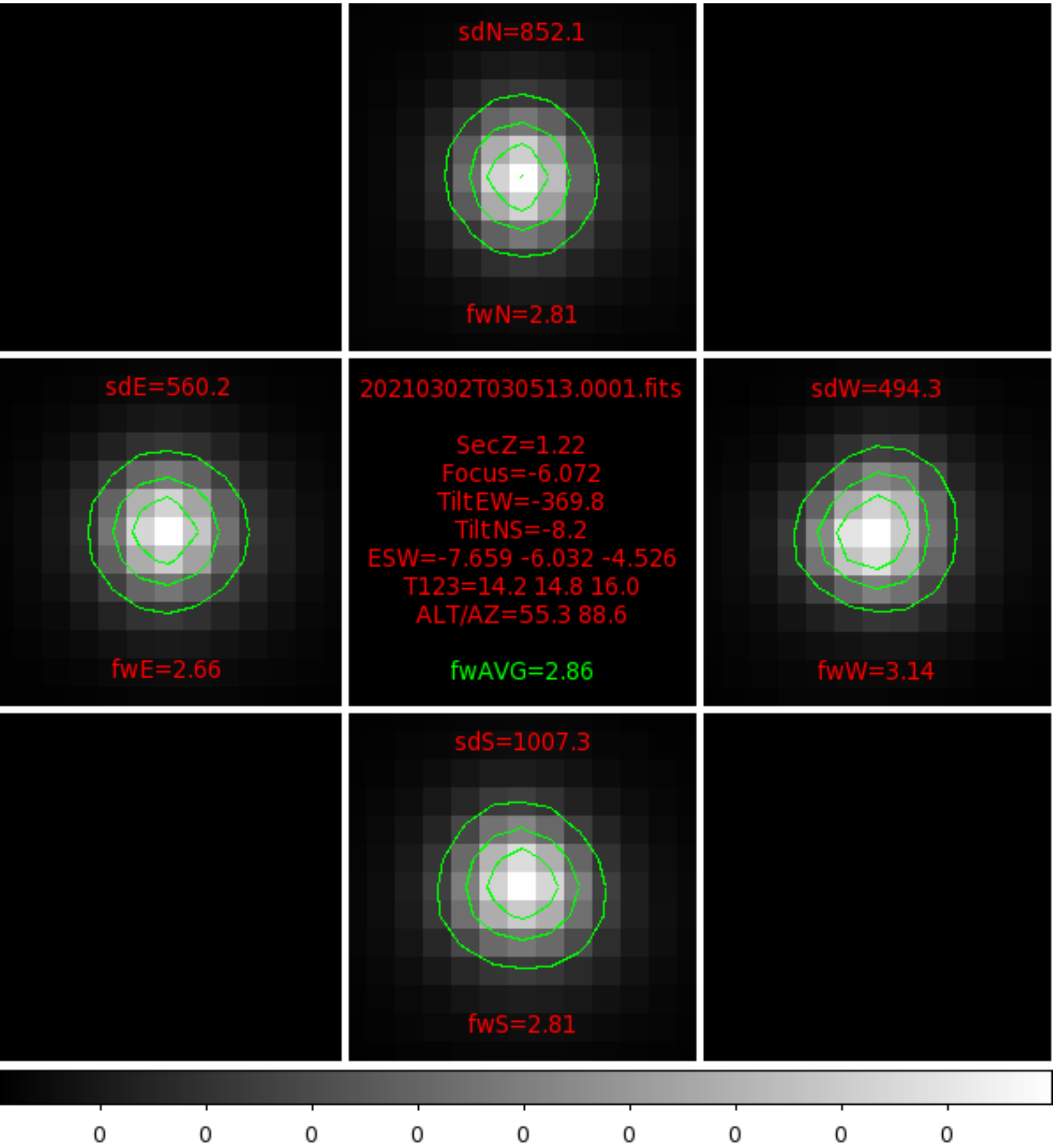
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T123=14.2 14.8 16.0
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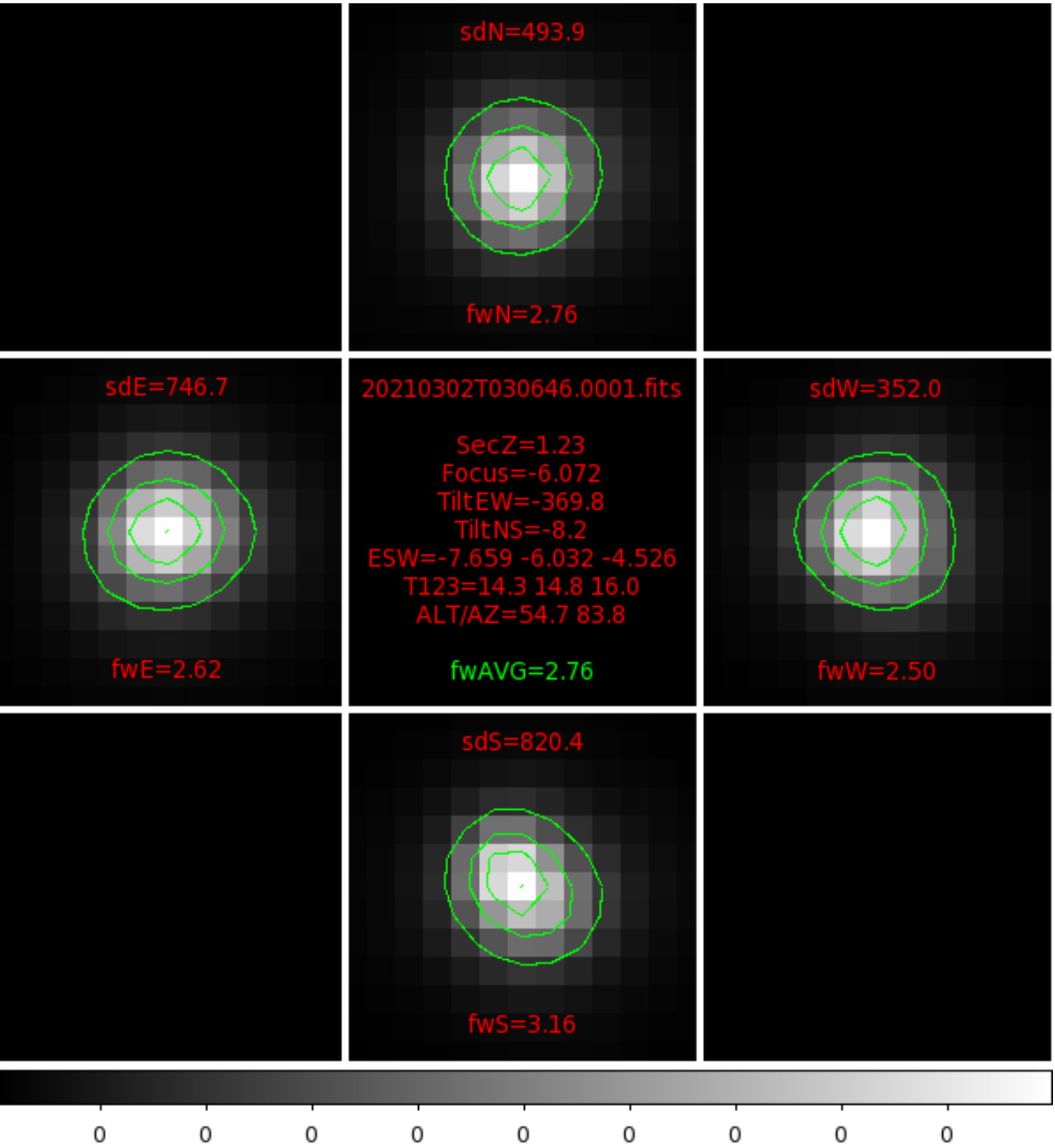
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TiltNS=-8.2
ESW=-7.659 -6.032 -4.526
T123=14.3 14.8 16.0
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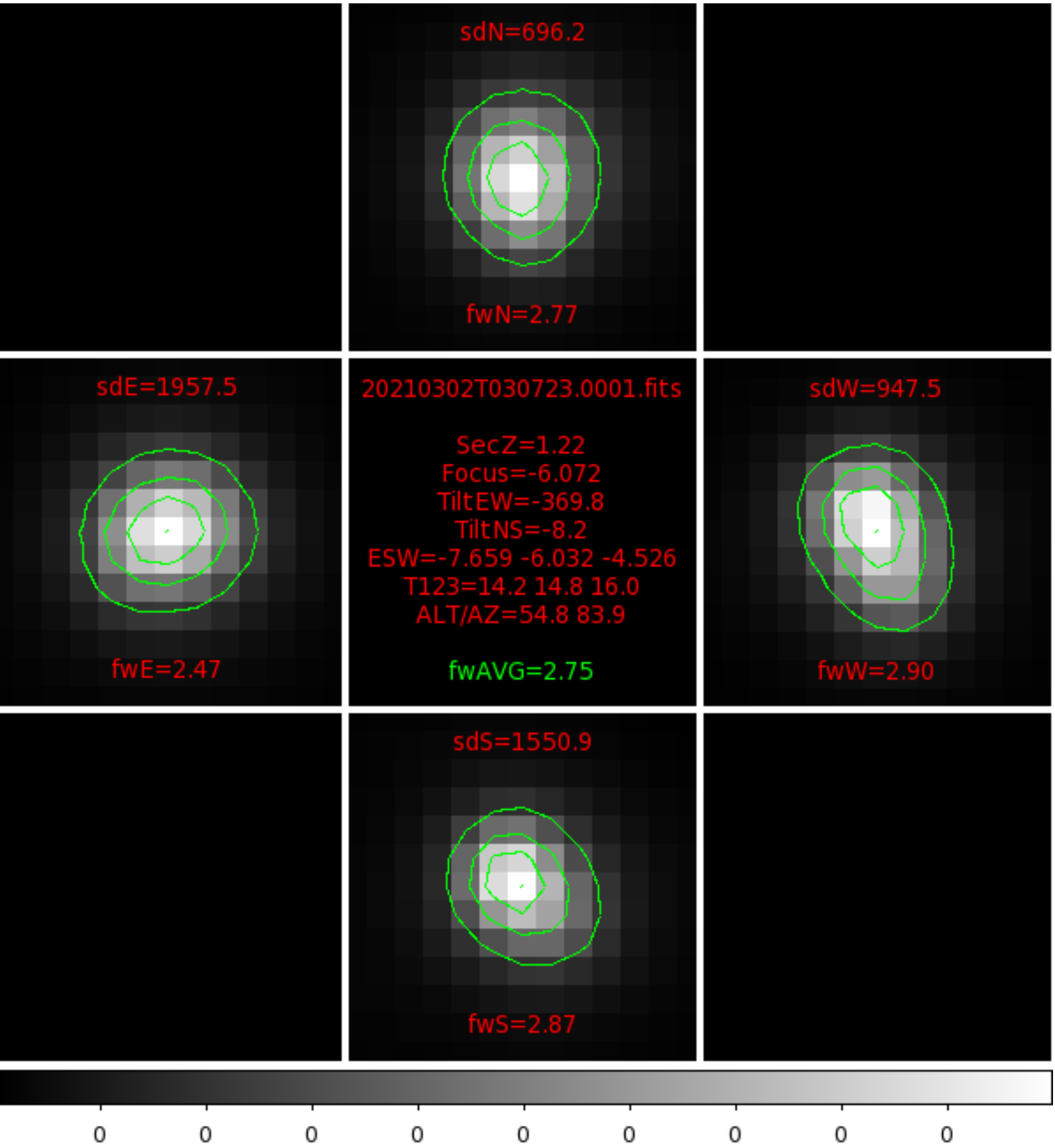
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ESW=-7.659 -6.032 -4.526
T123=14.2 14.8 16.0
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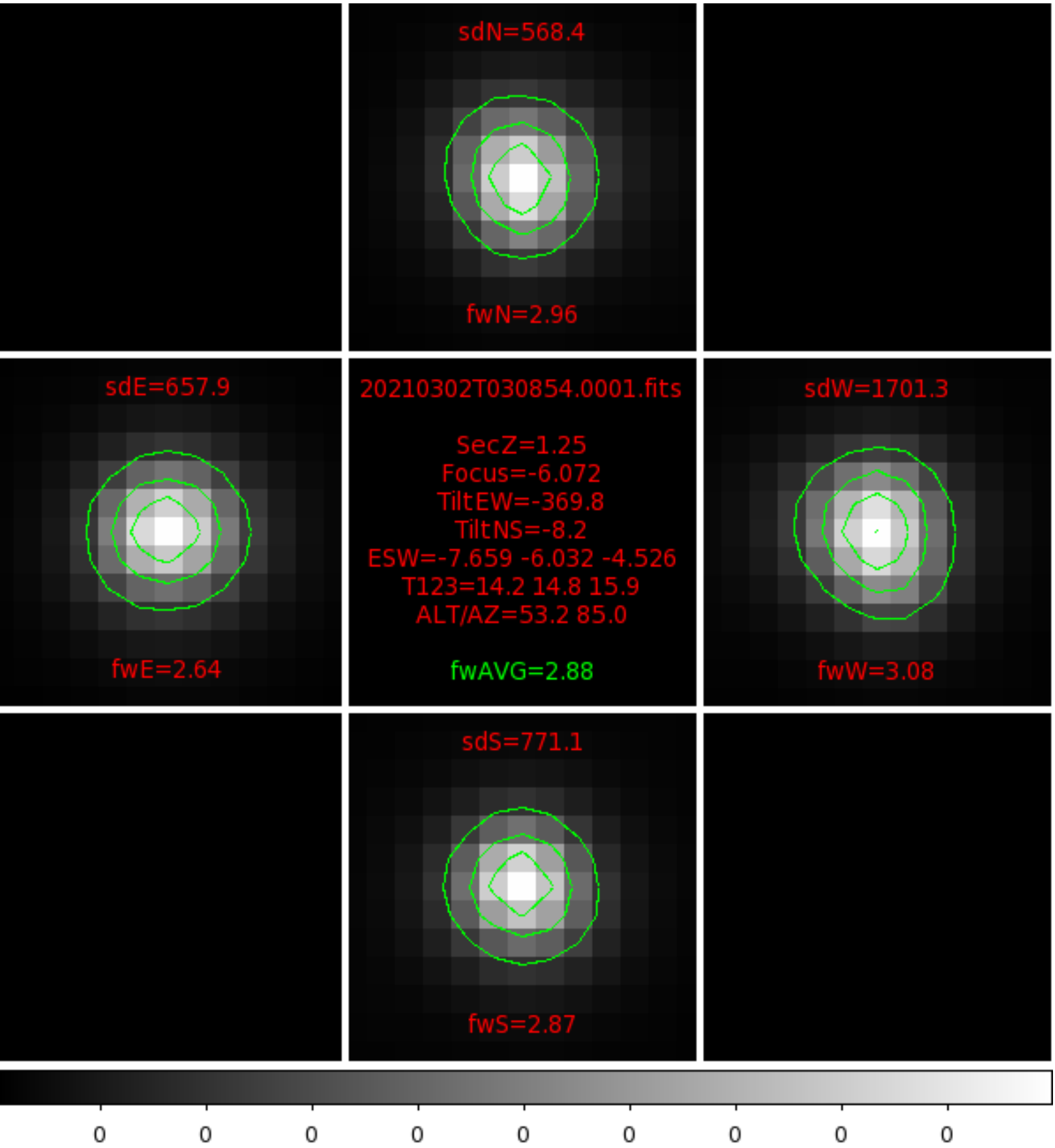
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ESW=-7.659 -6.032 -4.526
T123=14.2 14.8 15.9
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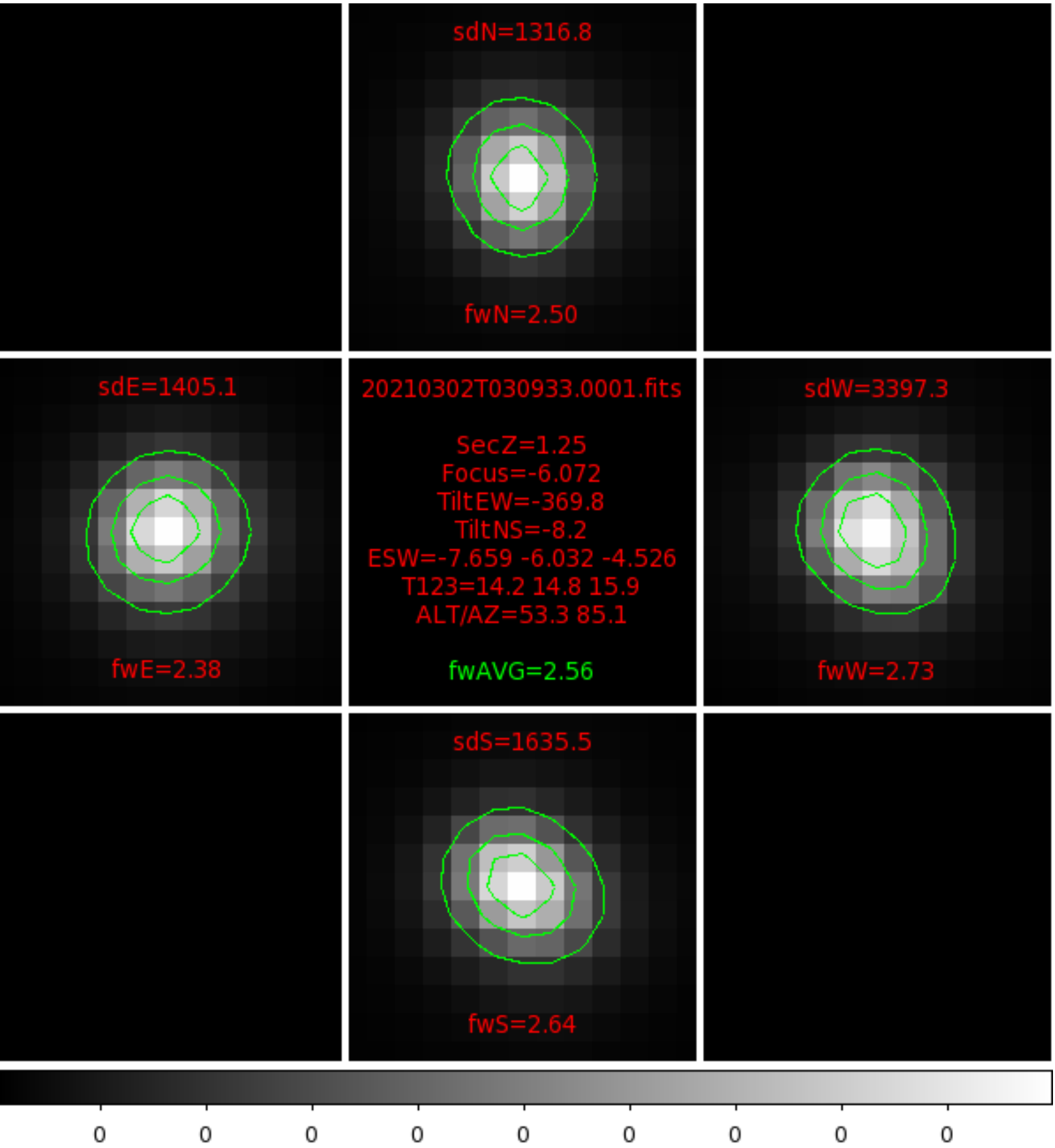
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ESW=-7.659 -6.032 -4.526
T123=14.2 14.8 15.9
ALT/AZ=53.3 85.1
fwAVG=2.56
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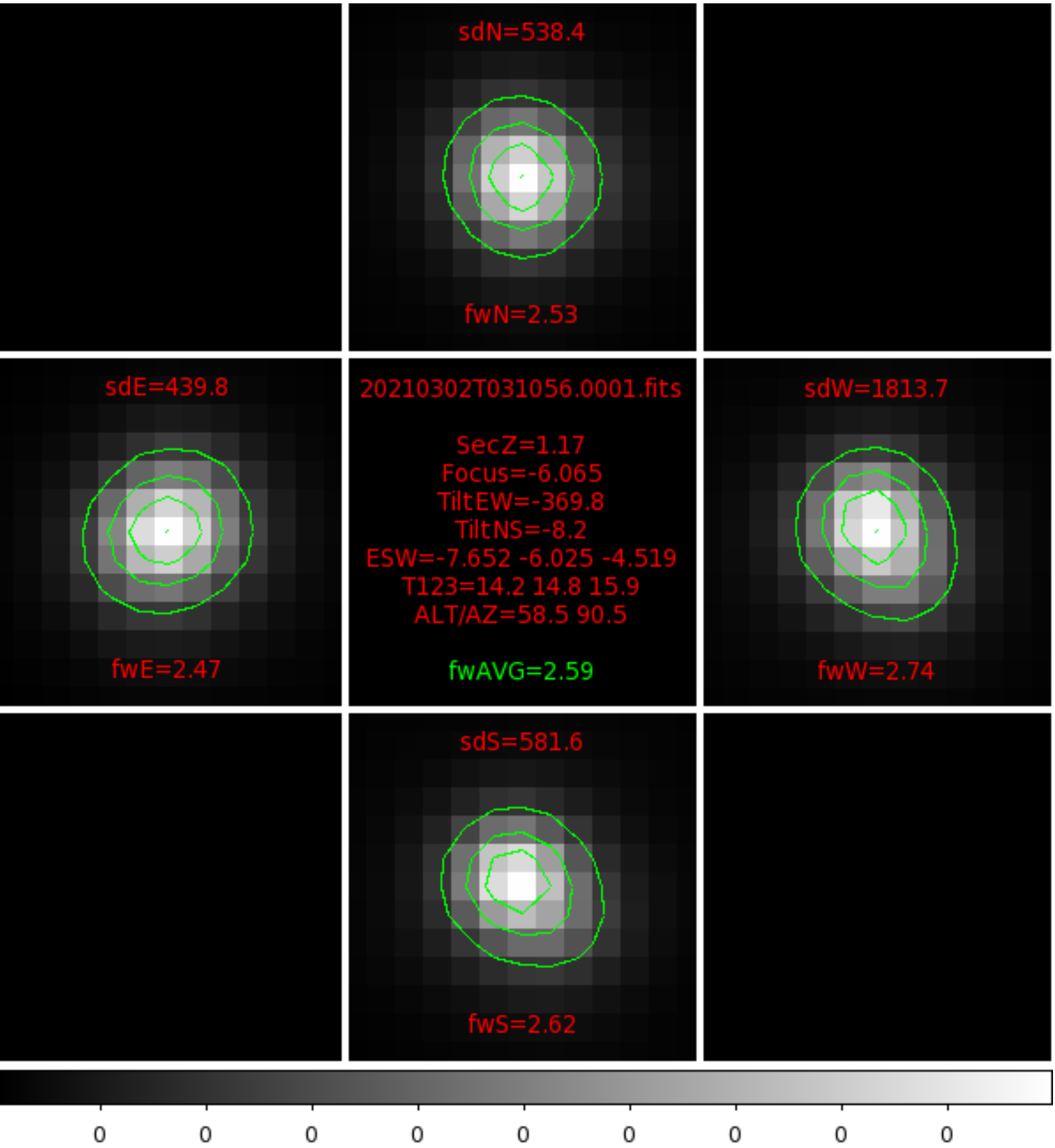
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ESW=-7.652 -6.025 -4.519
T123=14.2 14.8 15.9
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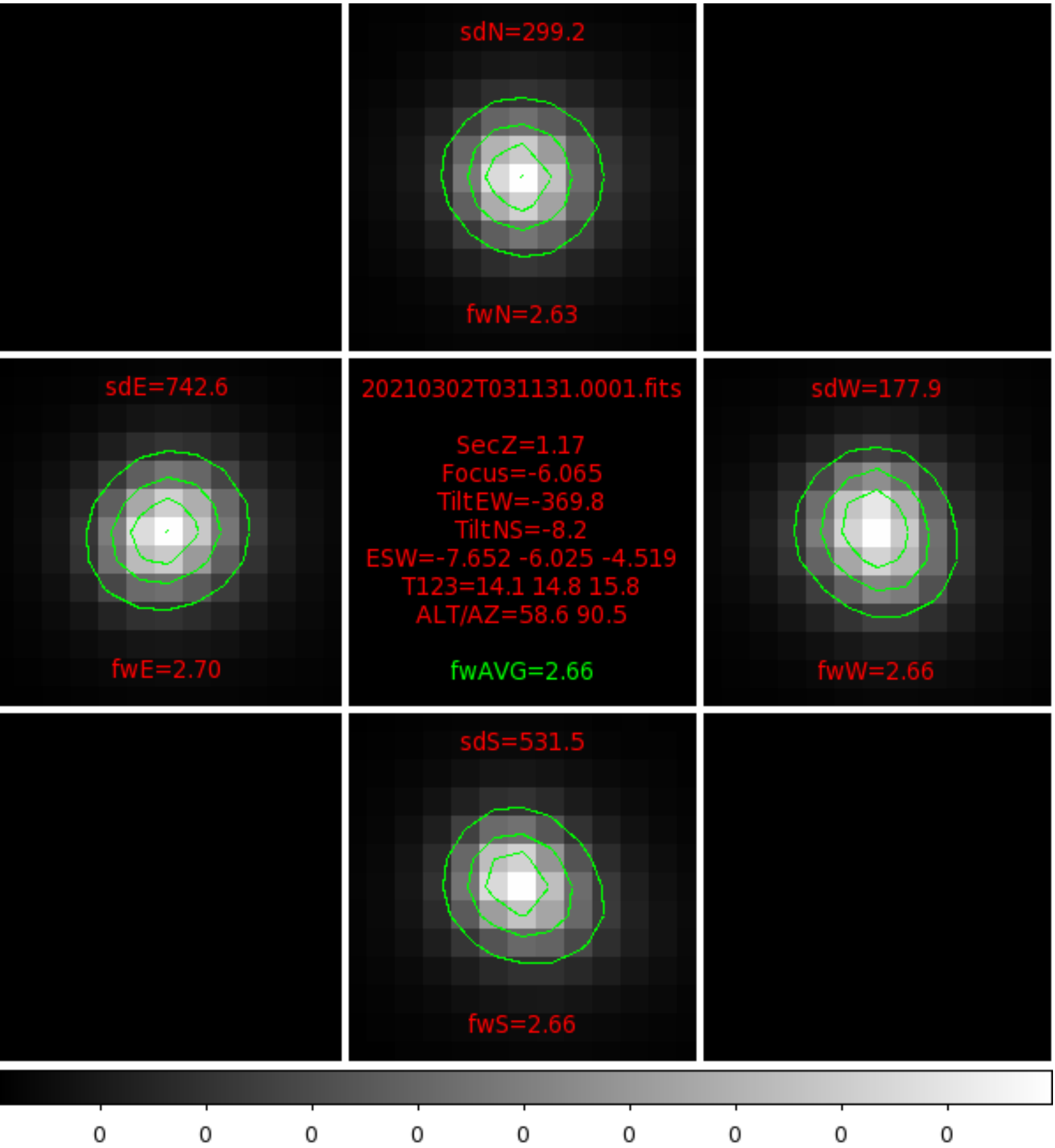
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ESW=-7.652 -6.025 -4.519
T123=14.1 14.8 15.8
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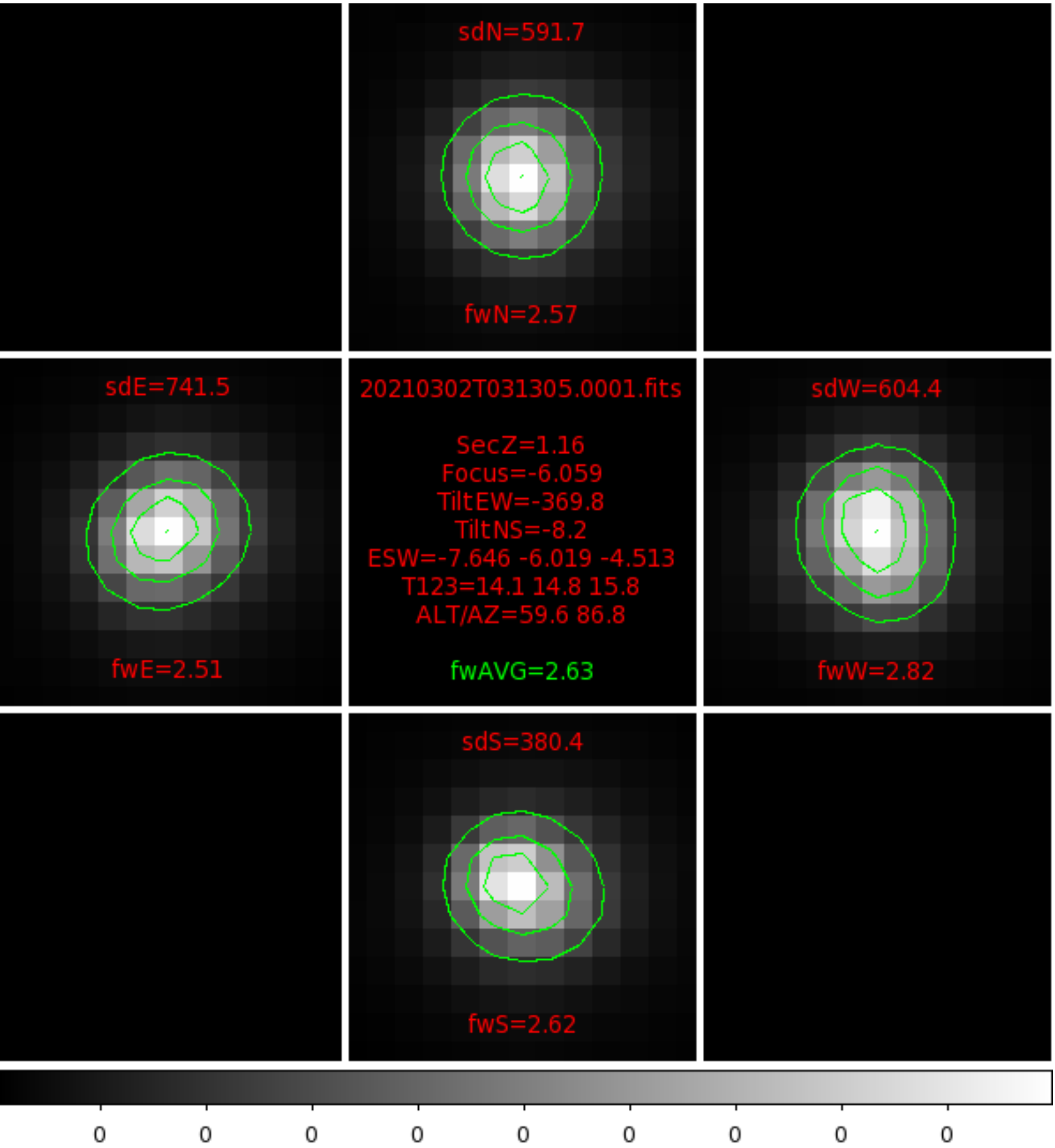
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ESW=-7.646 -6.019 -4.513
T123=14.1 14.8 15.8
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fwAVG=2.63
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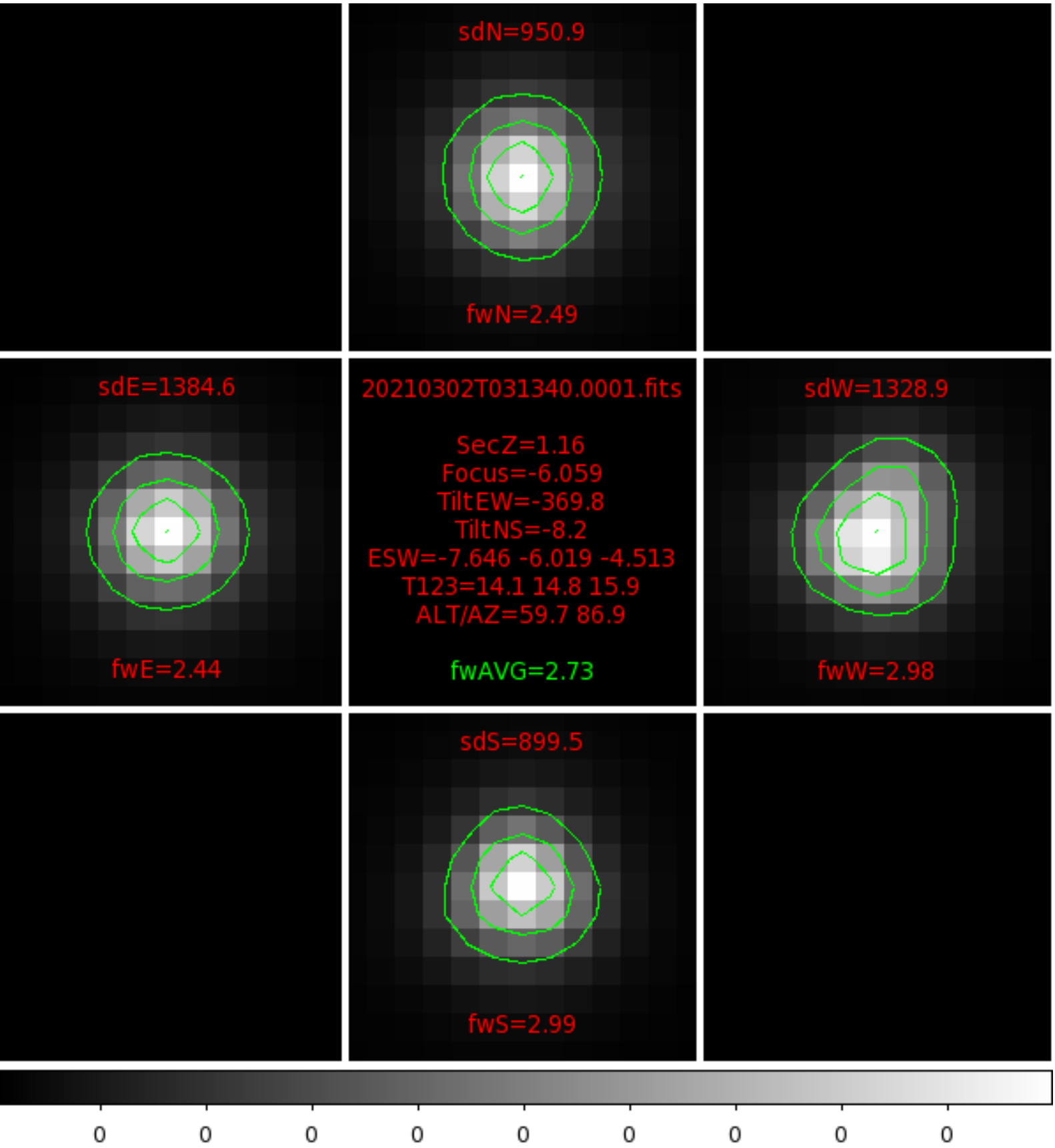
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T123=14.1 14.8 15.9
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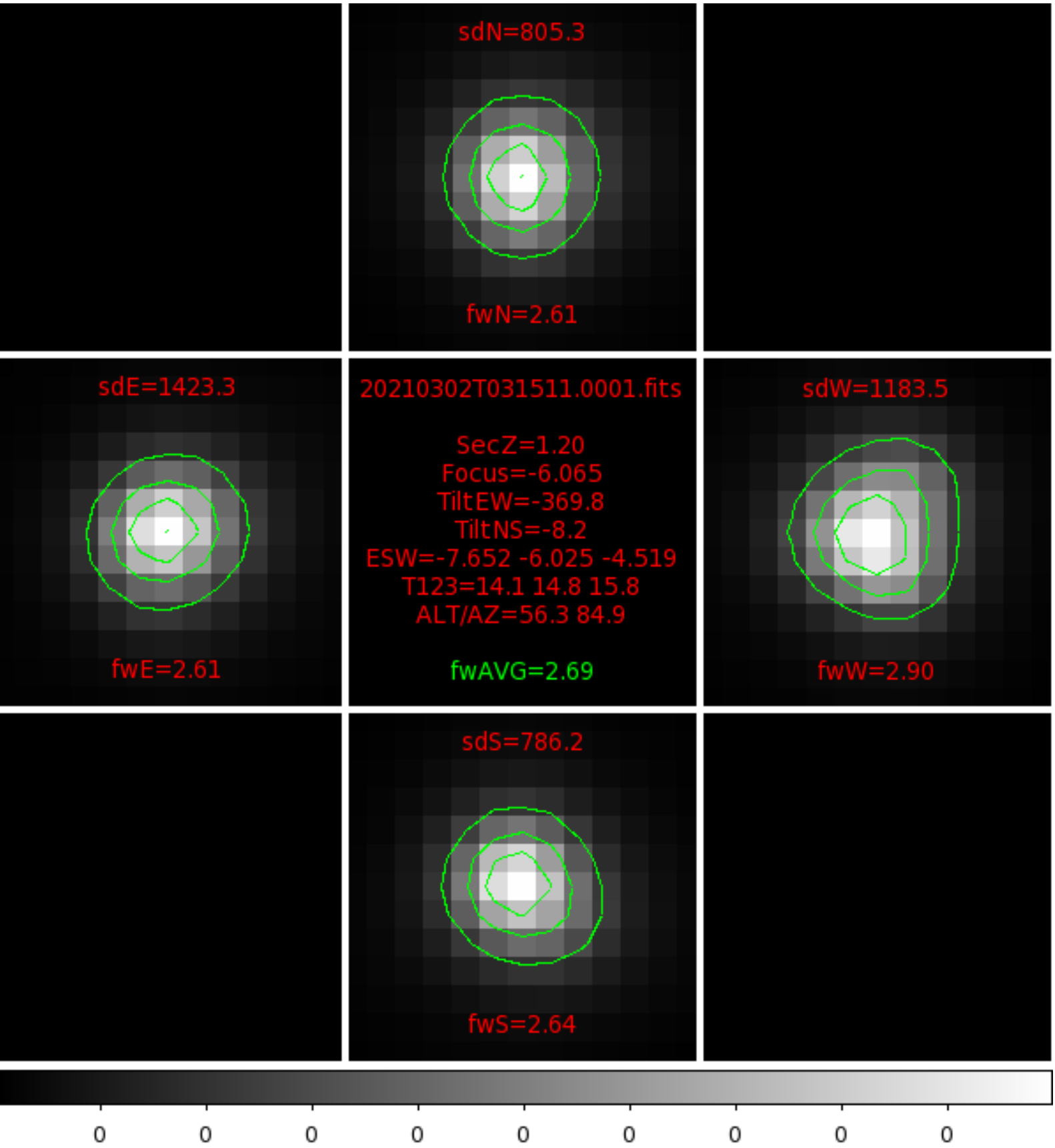
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ESW=-7.652 -6.025 -4.519
T123=14.1 14.8 15.8
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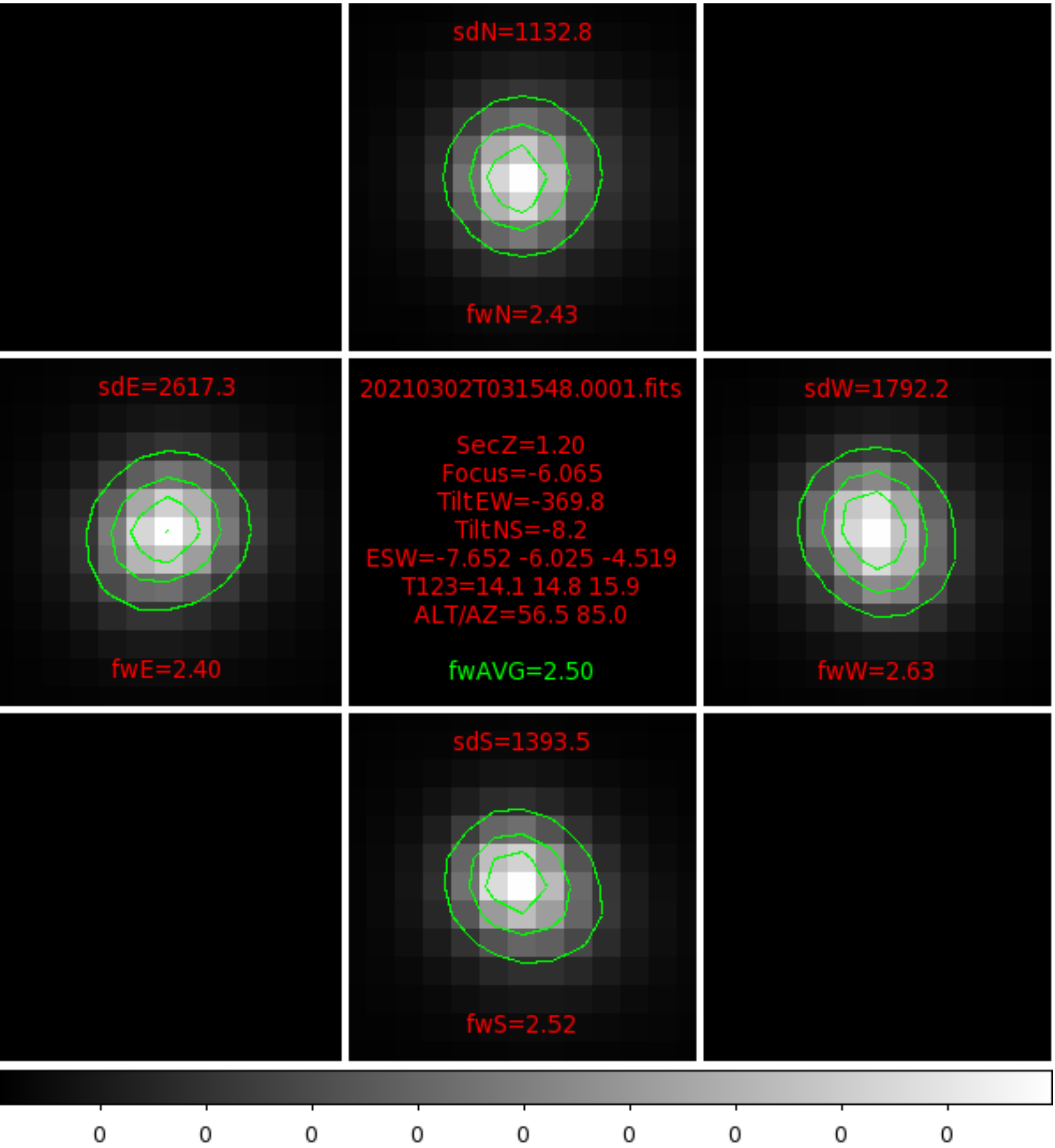
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T123=14.1 14.8 15.9
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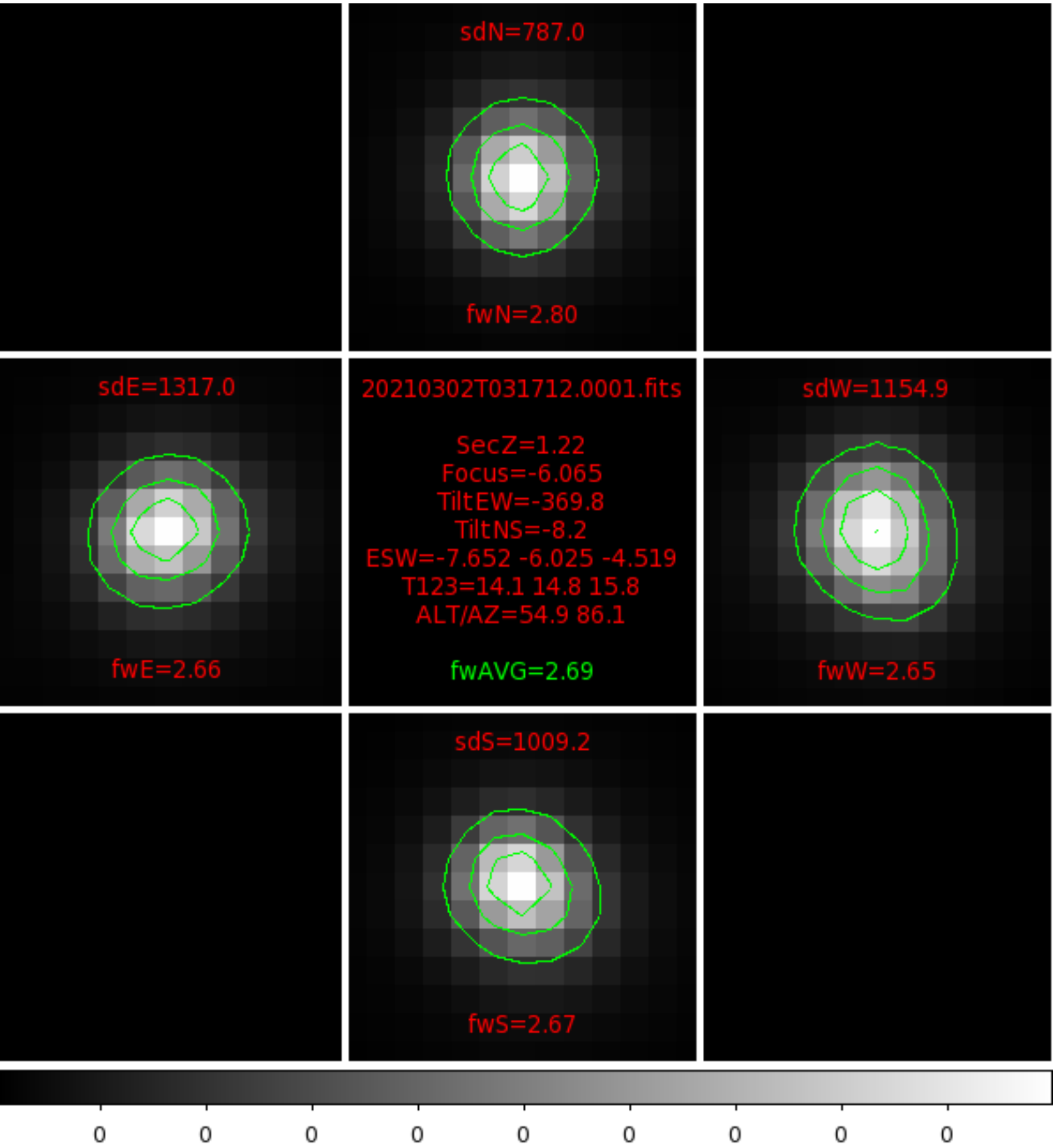
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ESW=-7.652 -6.025 -4.519
T123=14.1 14.8 15.8
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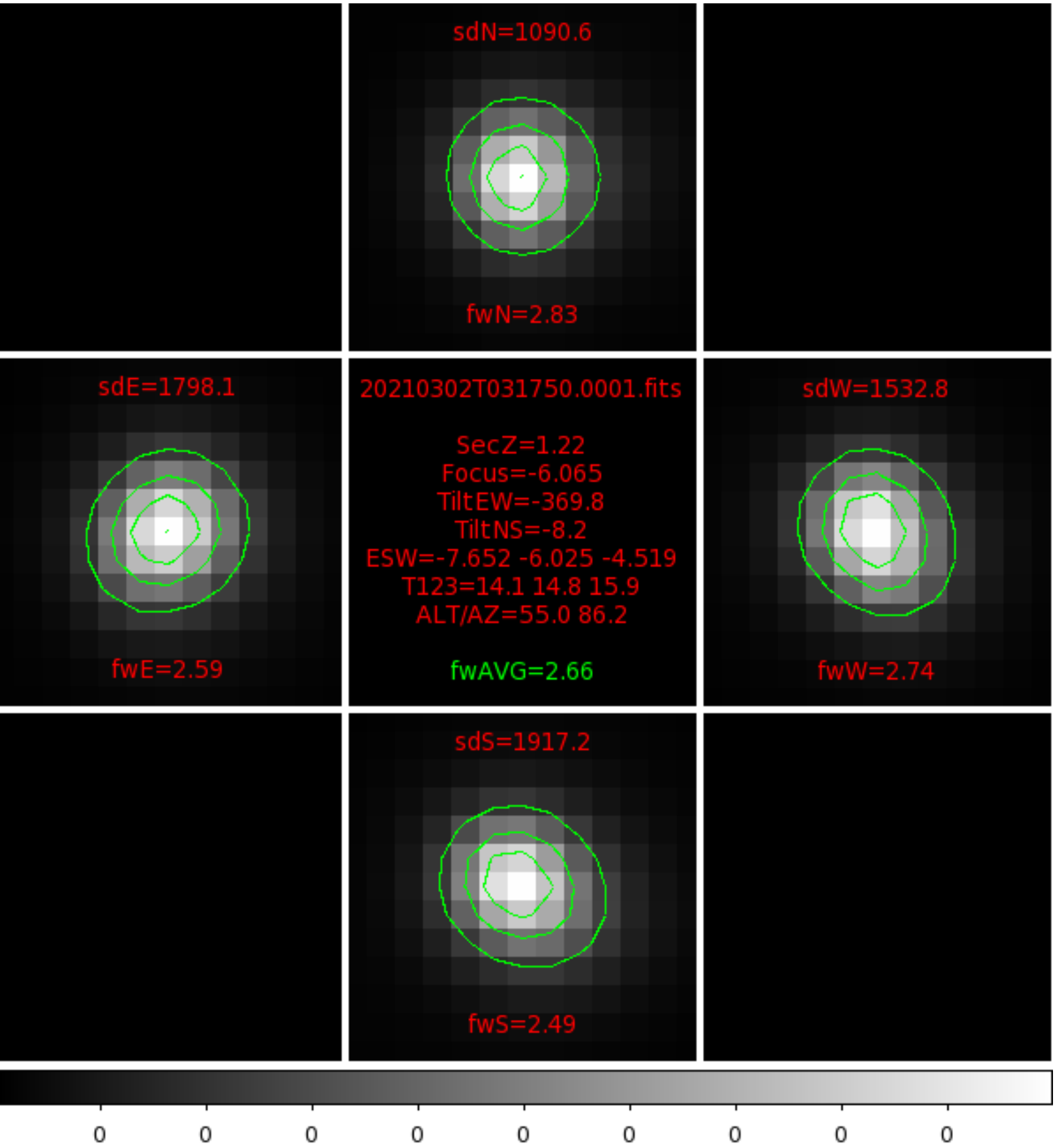
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TiltEW=-369.8
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ESW=-7.652 -6.025 -4.519
T123=14.1 14.8 15.9
ALT/AZ=55.0 86.2
fwAVG=2.66
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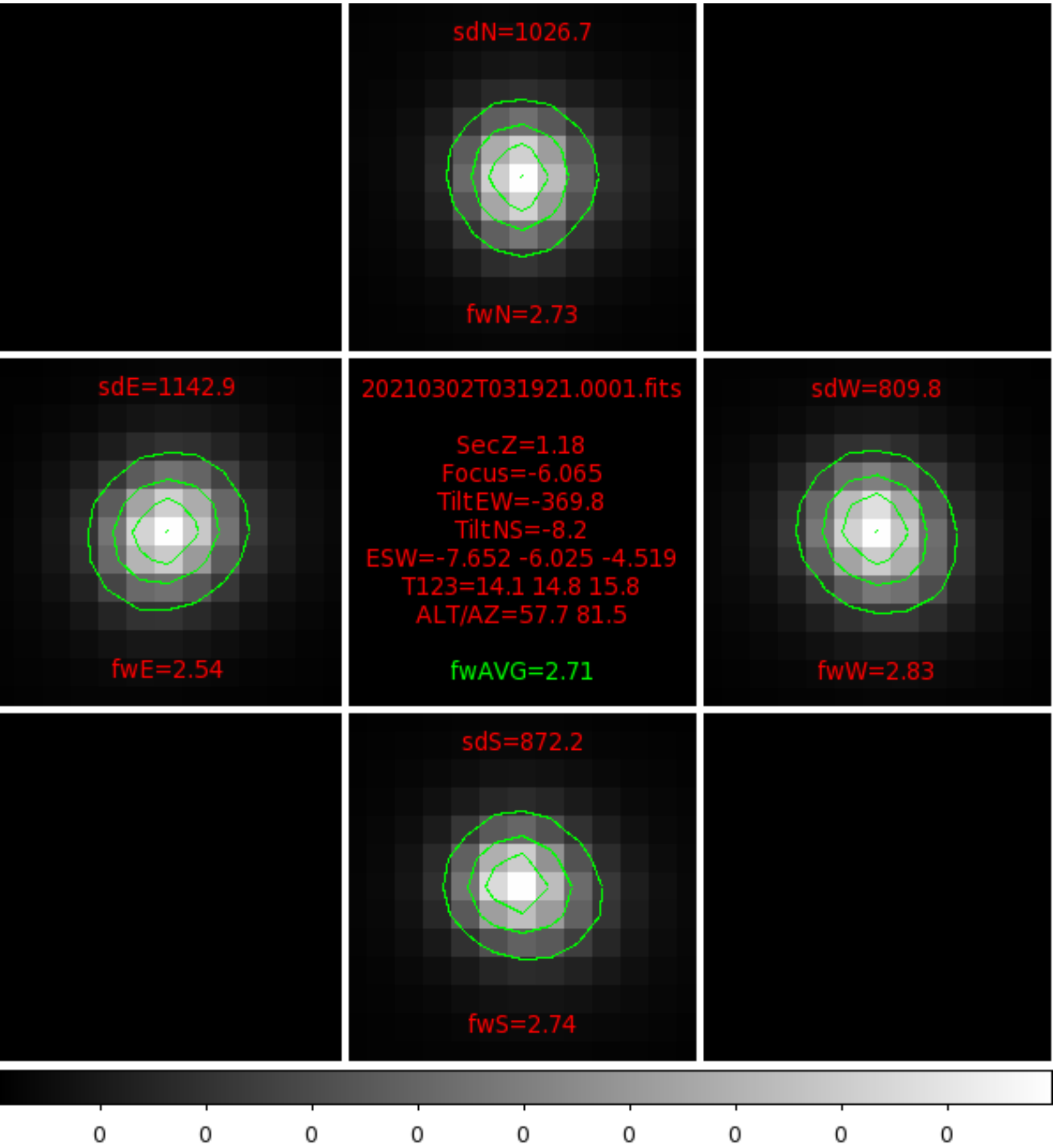
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T123=14.1 14.8 15.8
ALT/AZ=57.7 81.5
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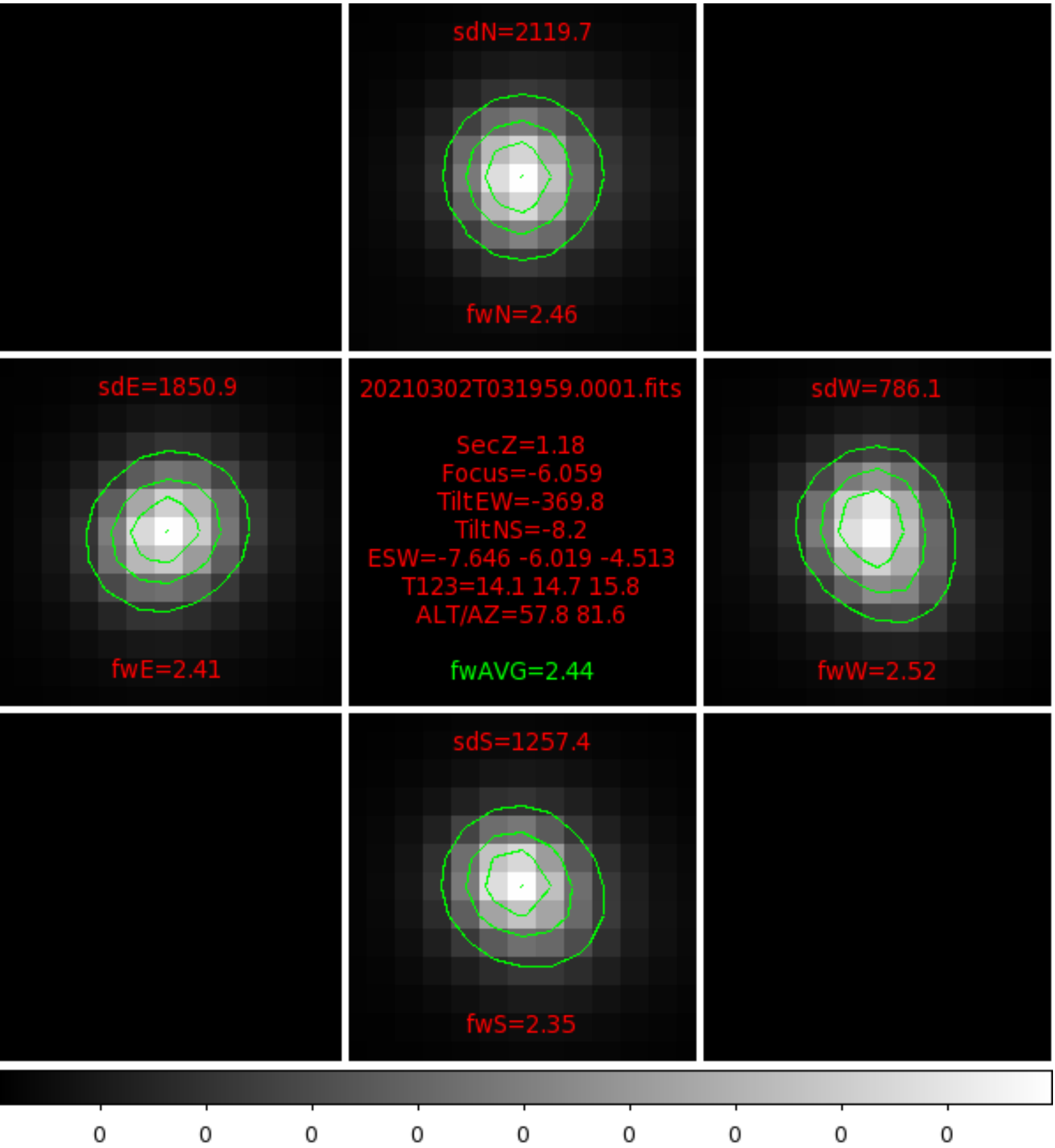
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T123=14.1 14.7 15.8
ALT/AZ=57.8 81.6
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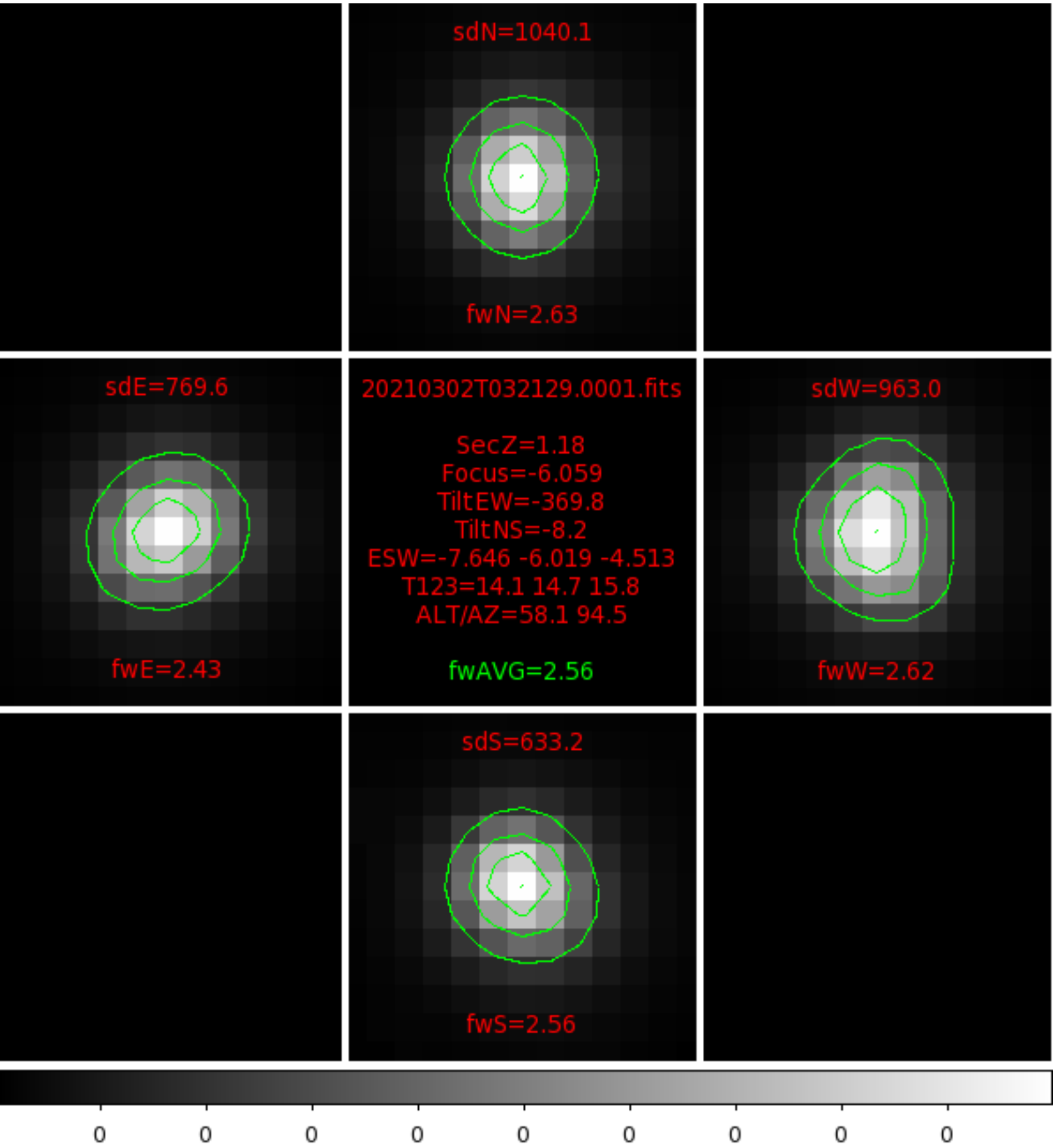
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TiltNS=-8.2
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T123=14.1 14.7 15.8
ALT/AZ=58.1 94.5
fwAVG=2.56
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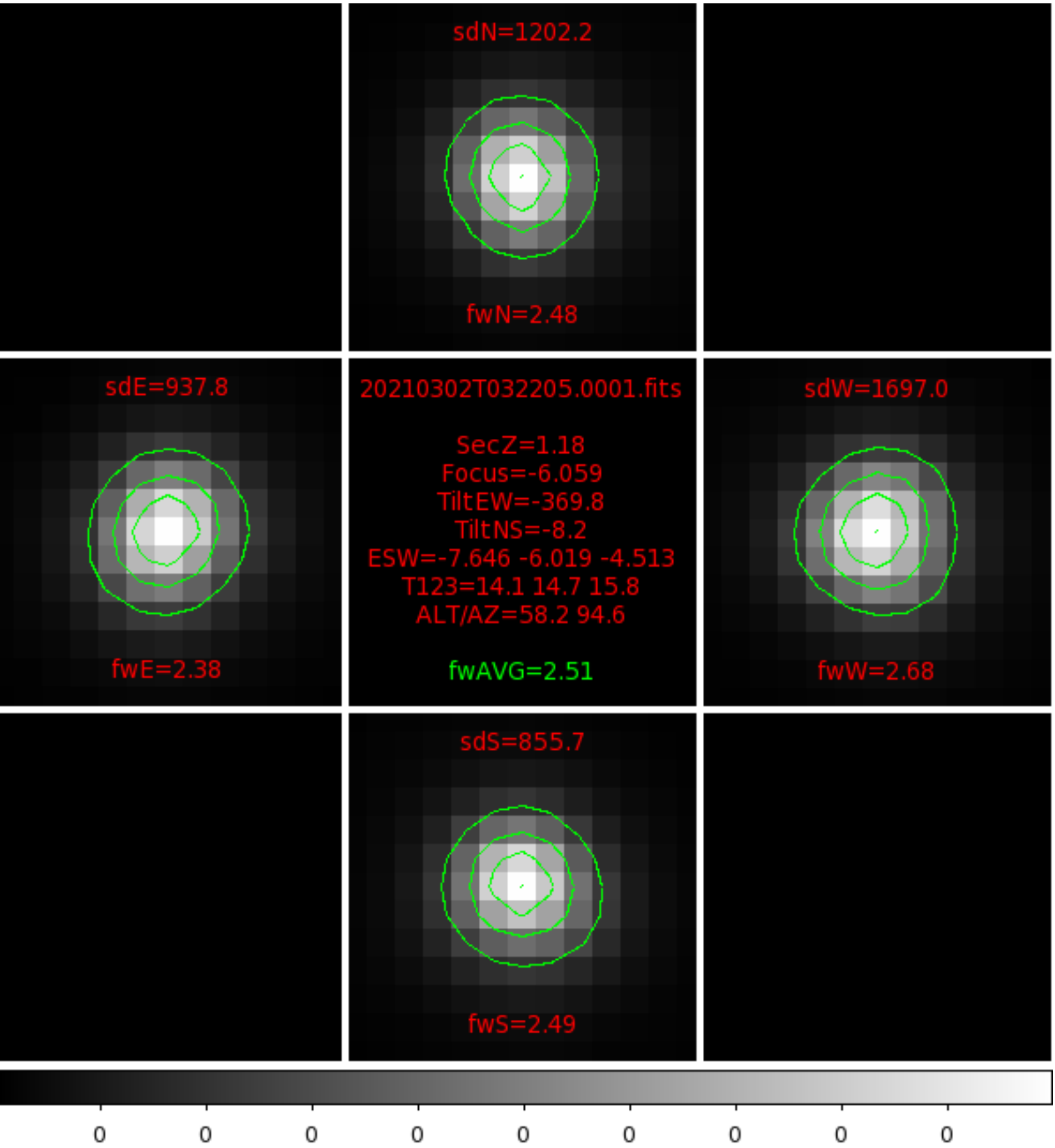
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TiltNS=-8.2
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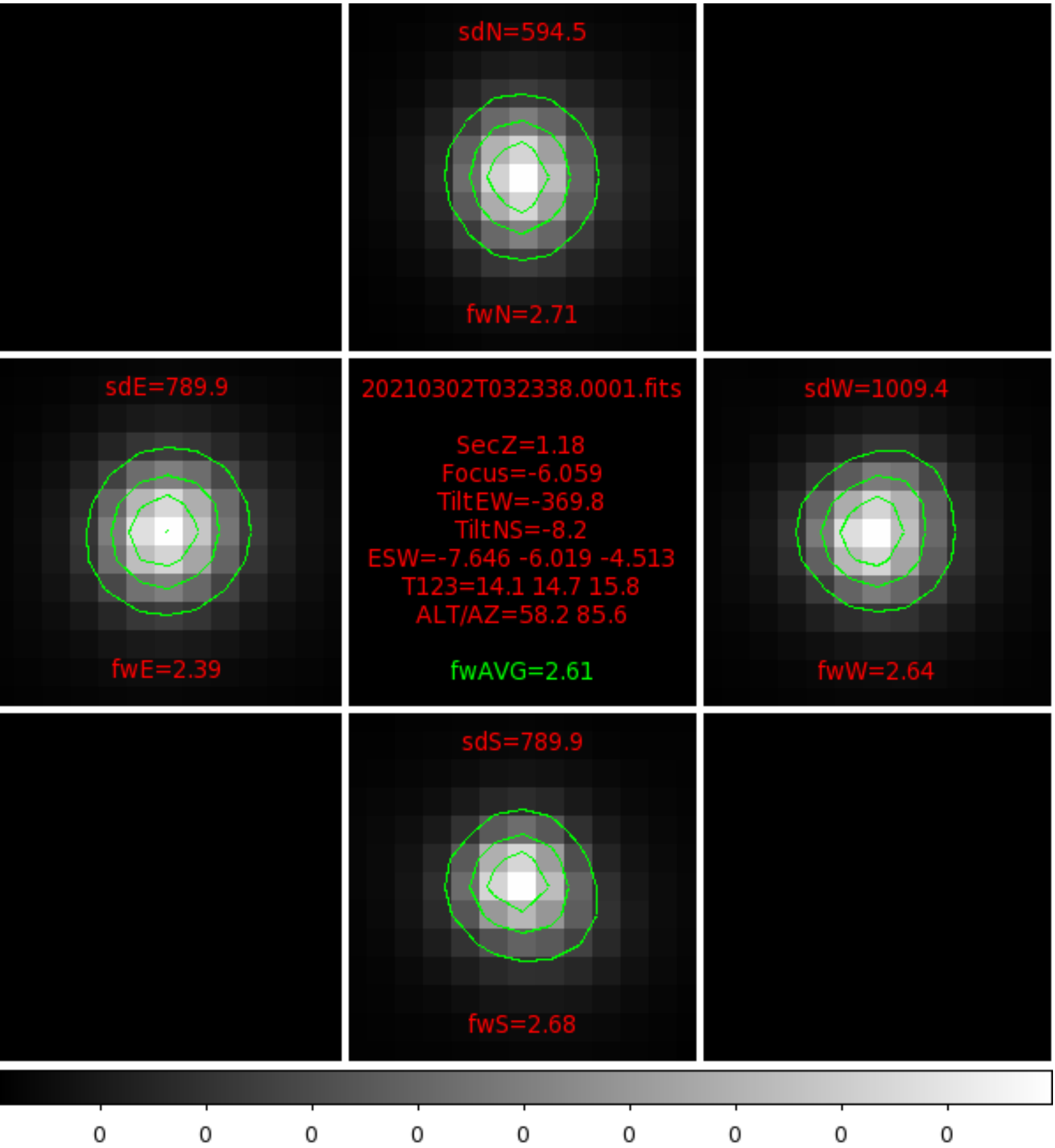
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ALT/AZ=58.2 85.6
fwAVG=2.61
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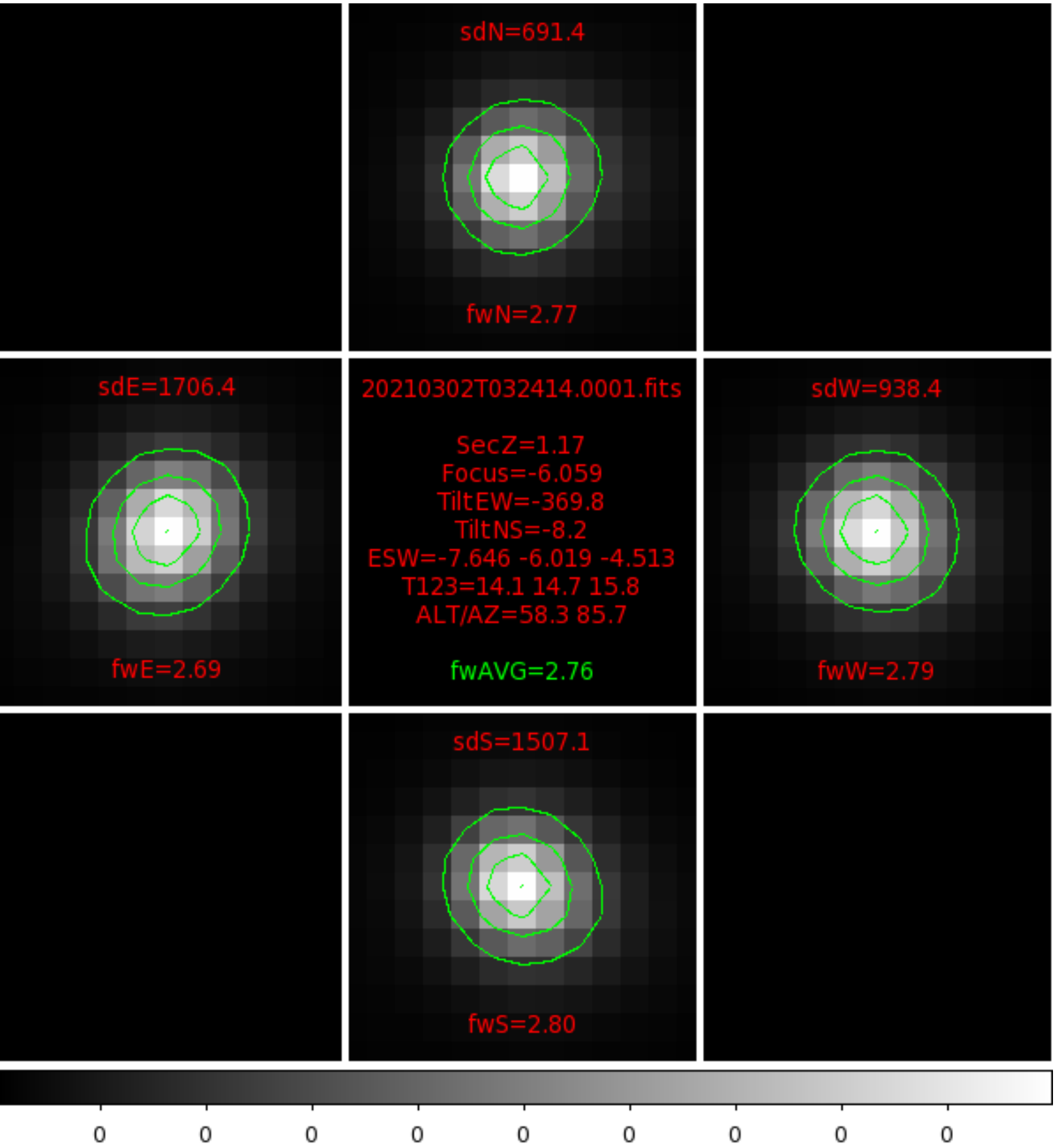
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ESW=-7.646 -6.019 -4.513
T123=14.1 14.7 15.8
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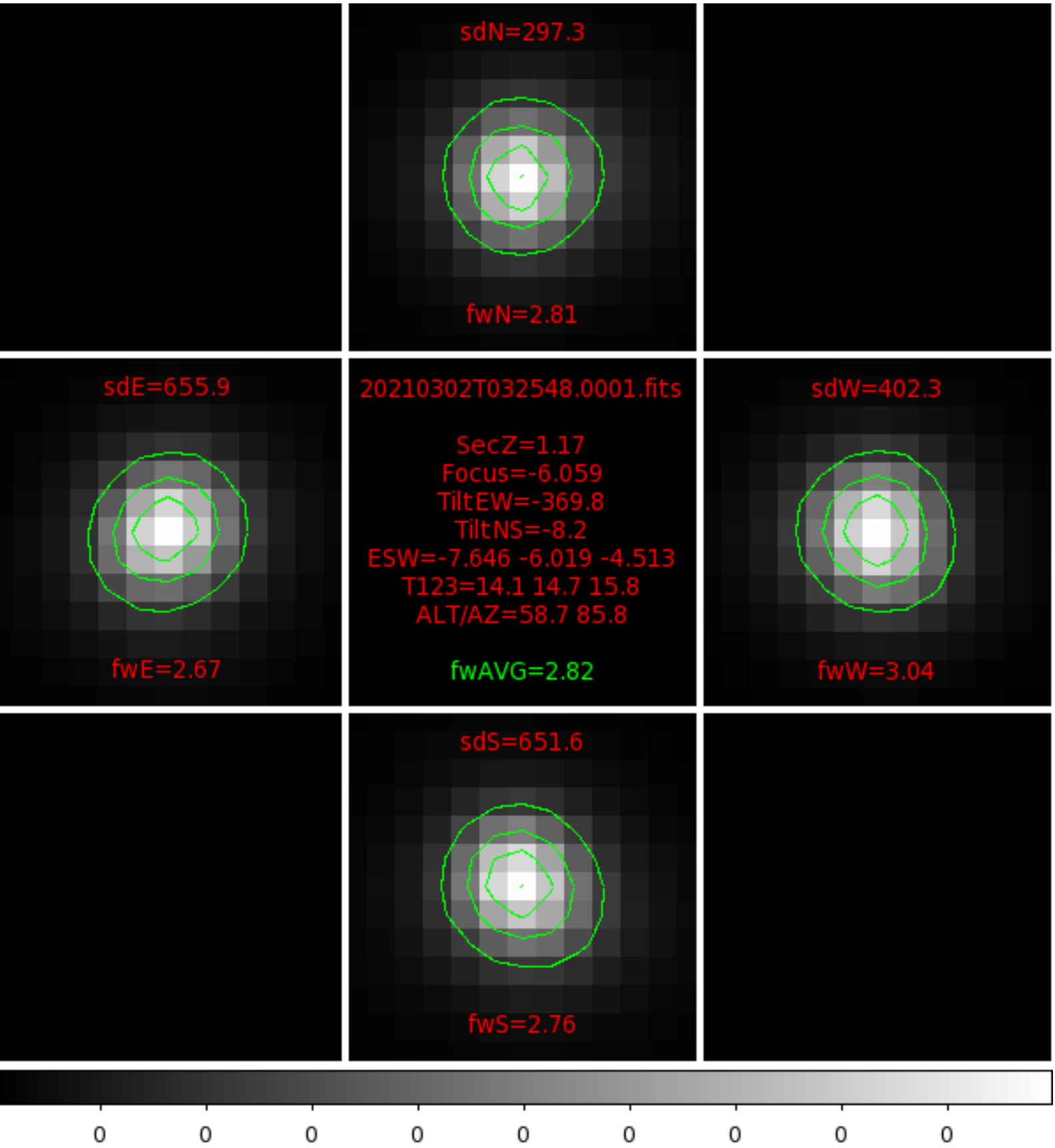
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ESW=-7.646 -6.019 -4.513
T123=14.1 14.7 15.8
ALT/AZ=58.7 85.8
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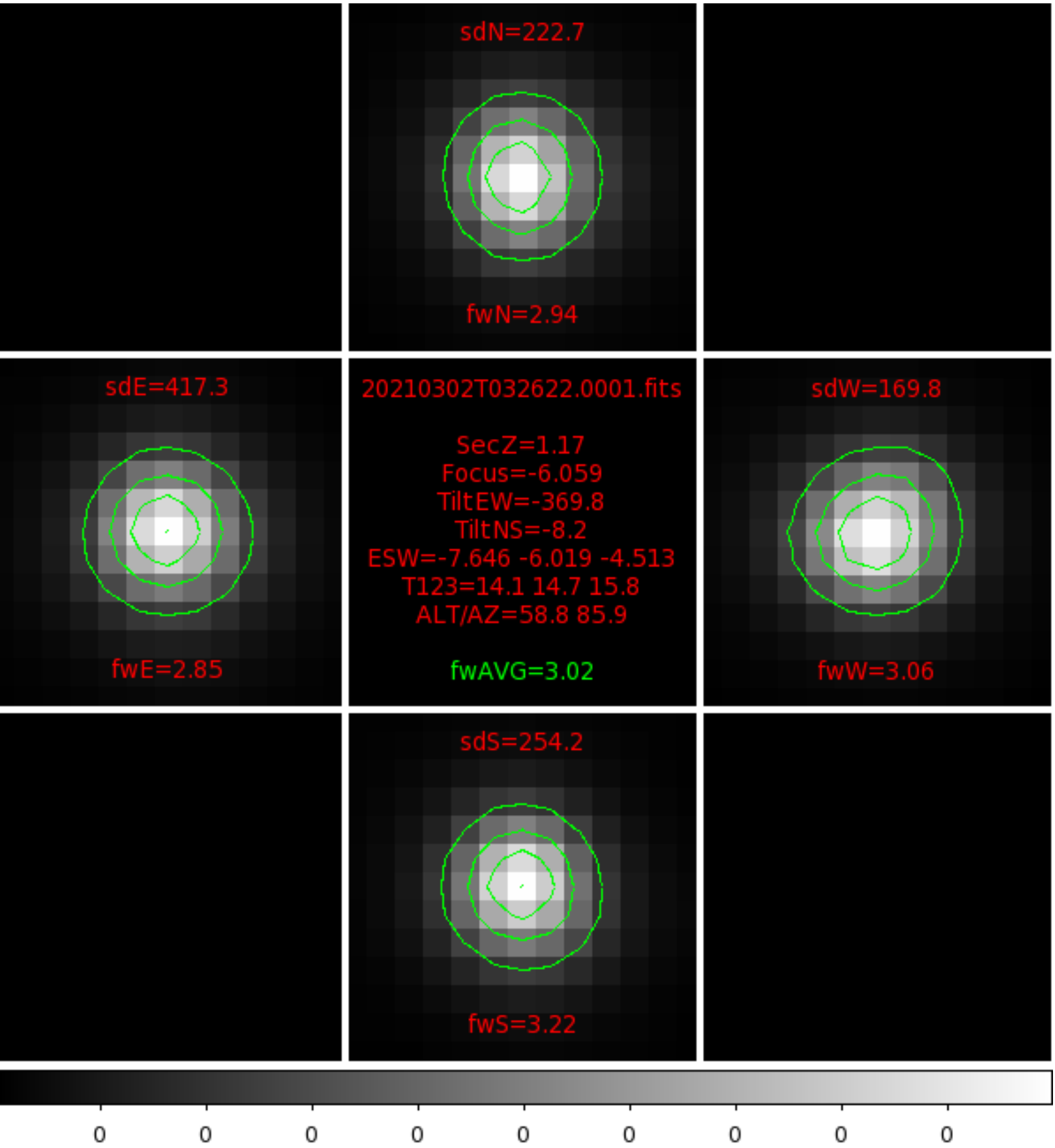
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T123=14.1 14.7 15.8
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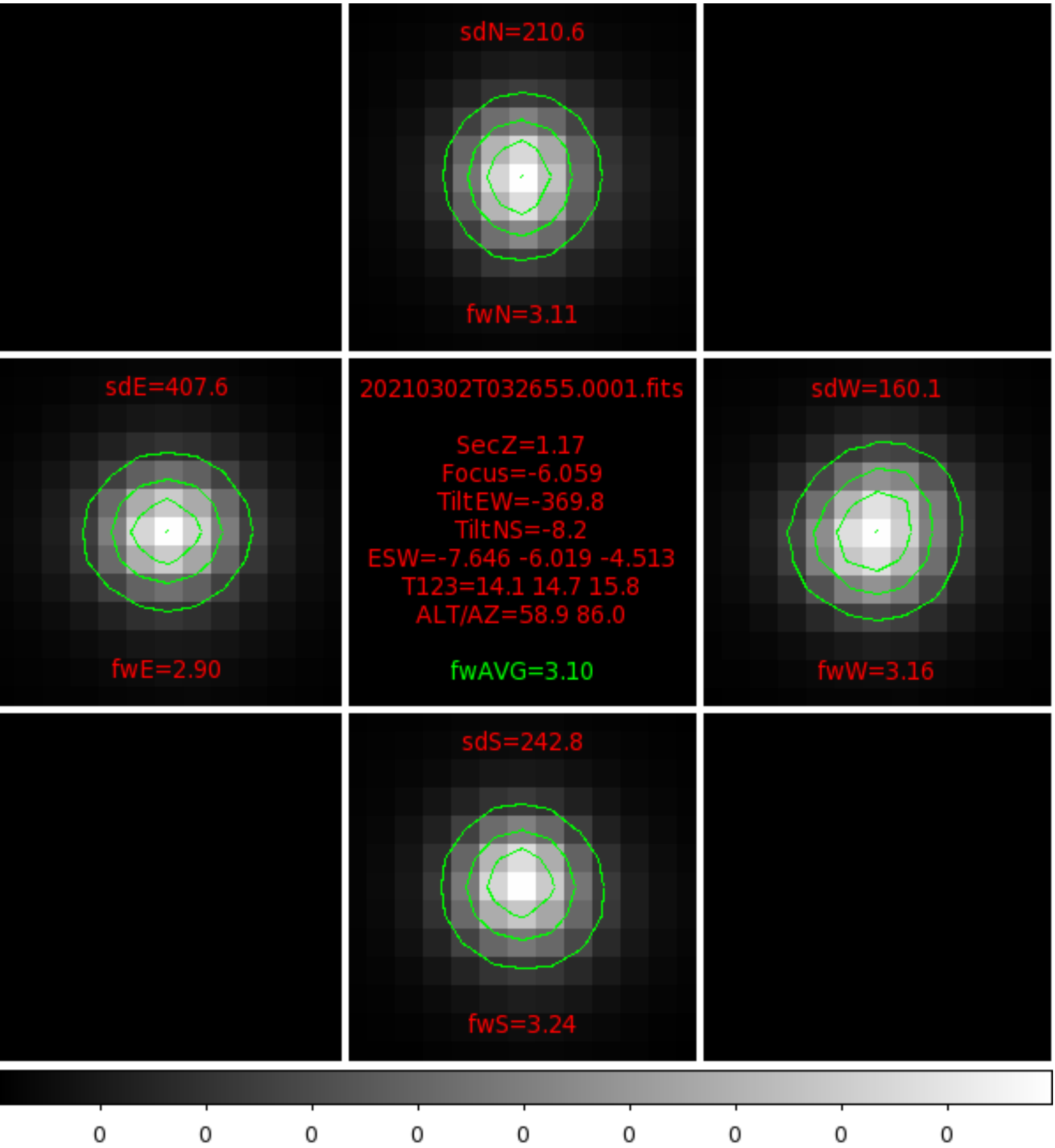
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SecZ=1.17
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ESW=-7.646 -6.019 -4.513
T123=14.1 14.7 15.8
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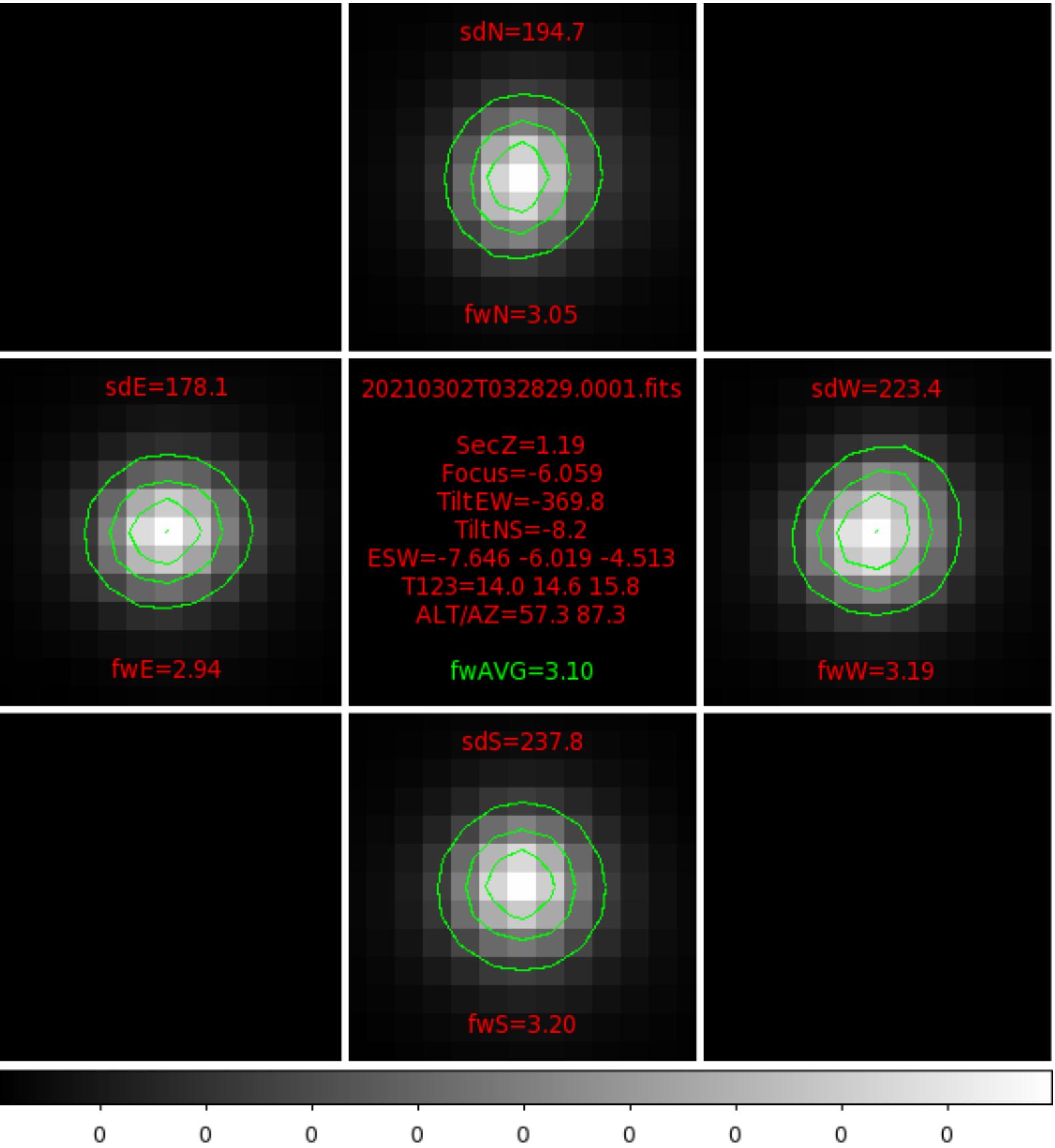
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ESW=-7.646 -6.019 -4.513
T123=14.0 14.6 15.8
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fwAVG=3.10
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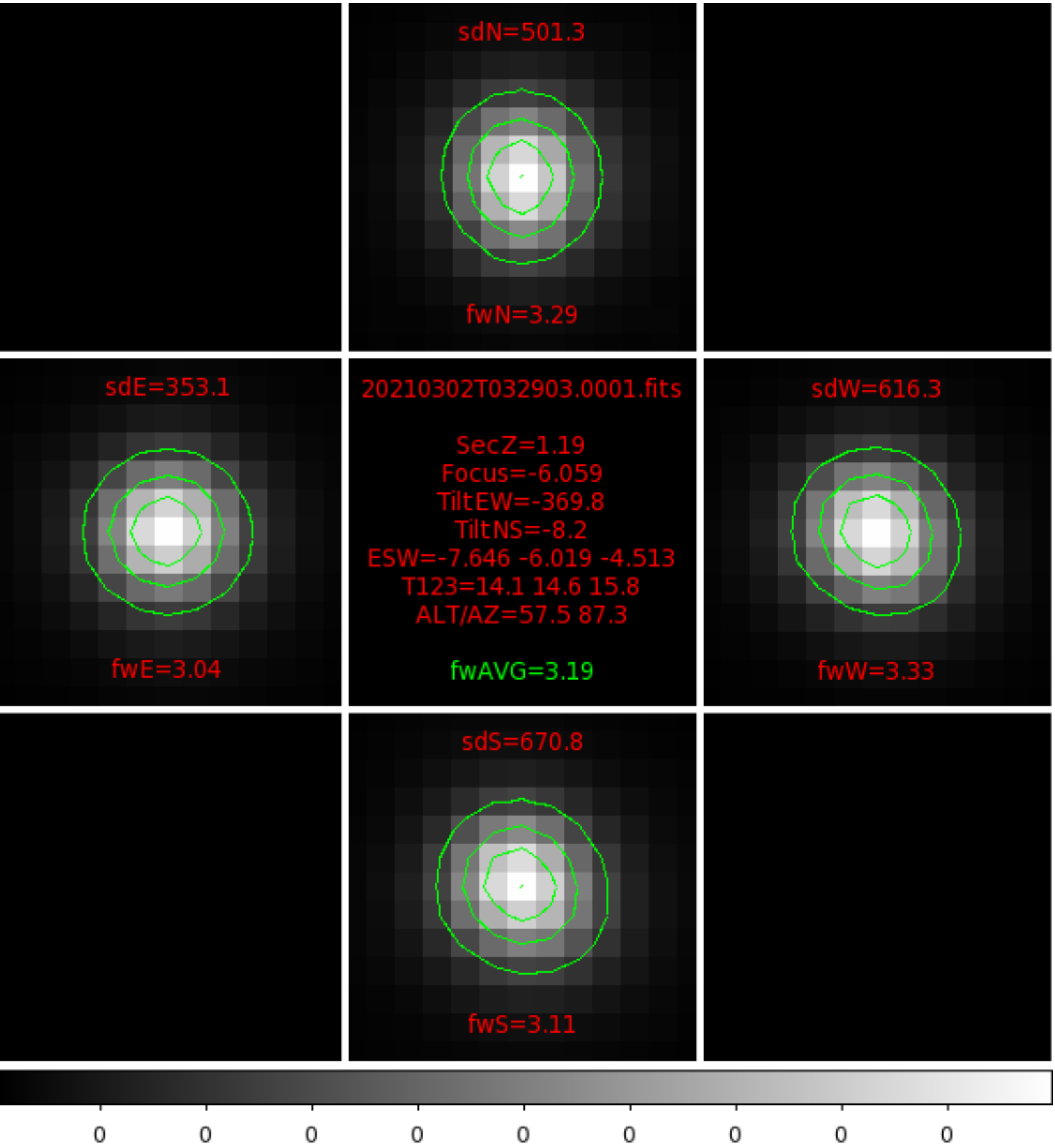
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SecZ=1.19
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TiltNS=-8.2
ESW=-7.646 -6.019 -4.513
T123=14.1 14.6 15.8
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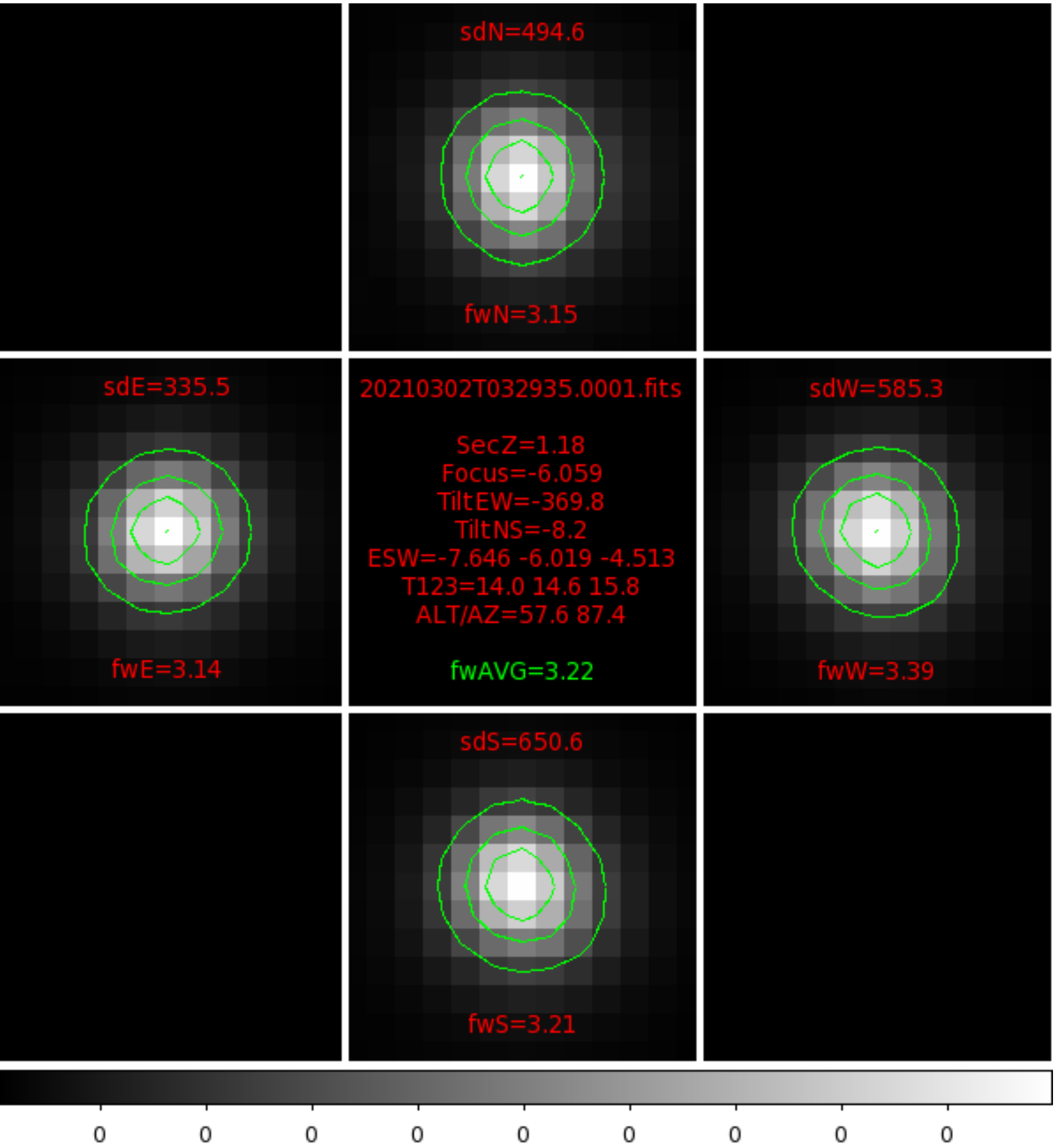
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SecZ=1.18
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TiltNS=-8.2
ESW=-7.646 -6.019 -4.513
T123=14.0 14.6 15.8
ALT/AZ=57.6 87.4
fwAVG=3.22
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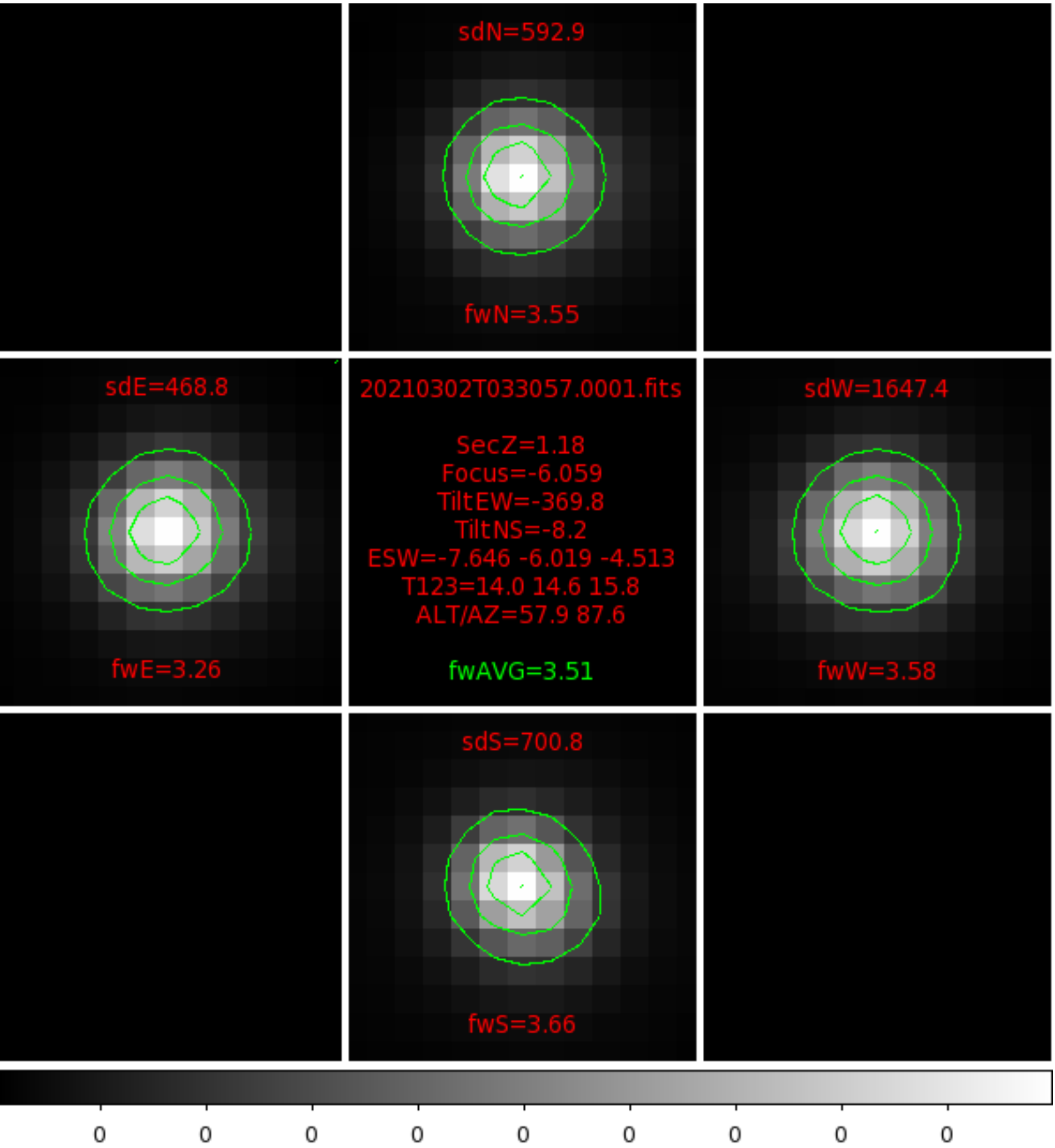
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SecZ=1.18
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TiltNS=-8.2
ESW=-7.646 -6.019 -4.513
T123=14.0 14.6 15.8
ALT/AZ=57.9 87.6
fwAVG=3.51
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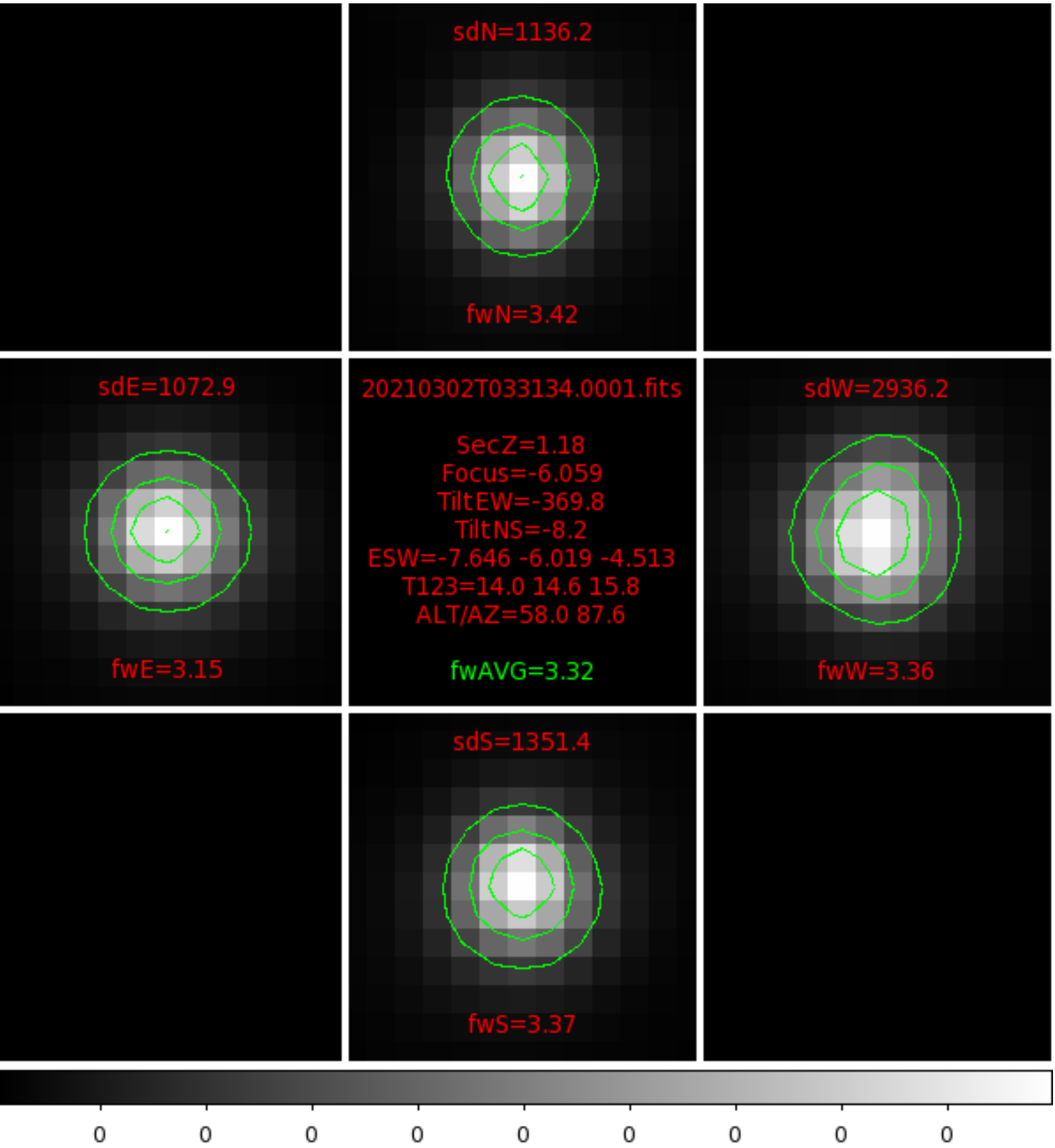
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SecZ=1.18
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TiltNS=-8.2
ESW=-7.646 -6.019 -4.513
T123=14.0 14.6 15.8
ALT/AZ=58.0 87.6
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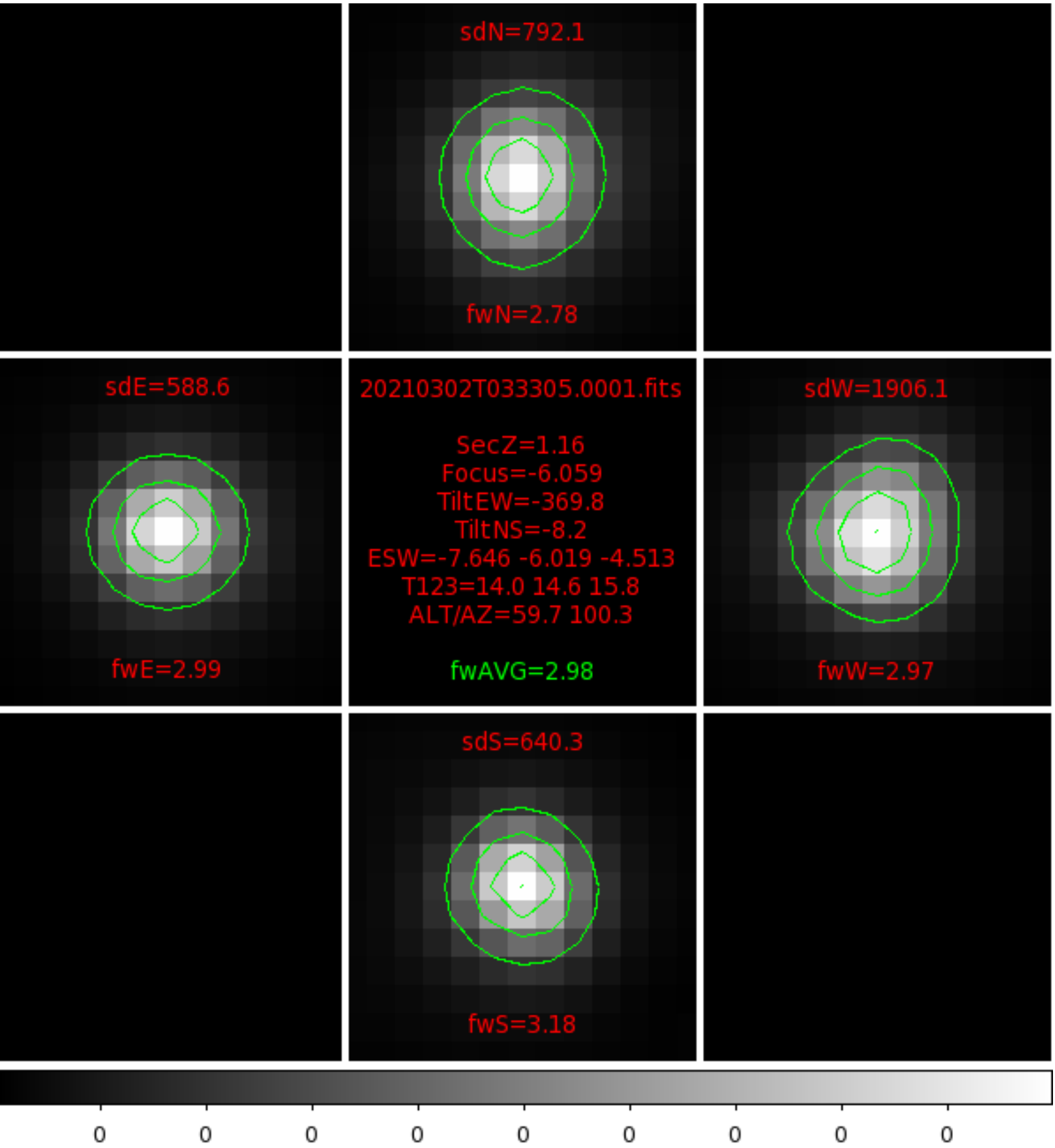
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SecZ=1.16
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TiltNS=-8.2
ESW=-7.646 -6.019 -4.513
T123=14.0 14.6 15.8
ALT/AZ=59.7 100.3
fwAVG=2.98
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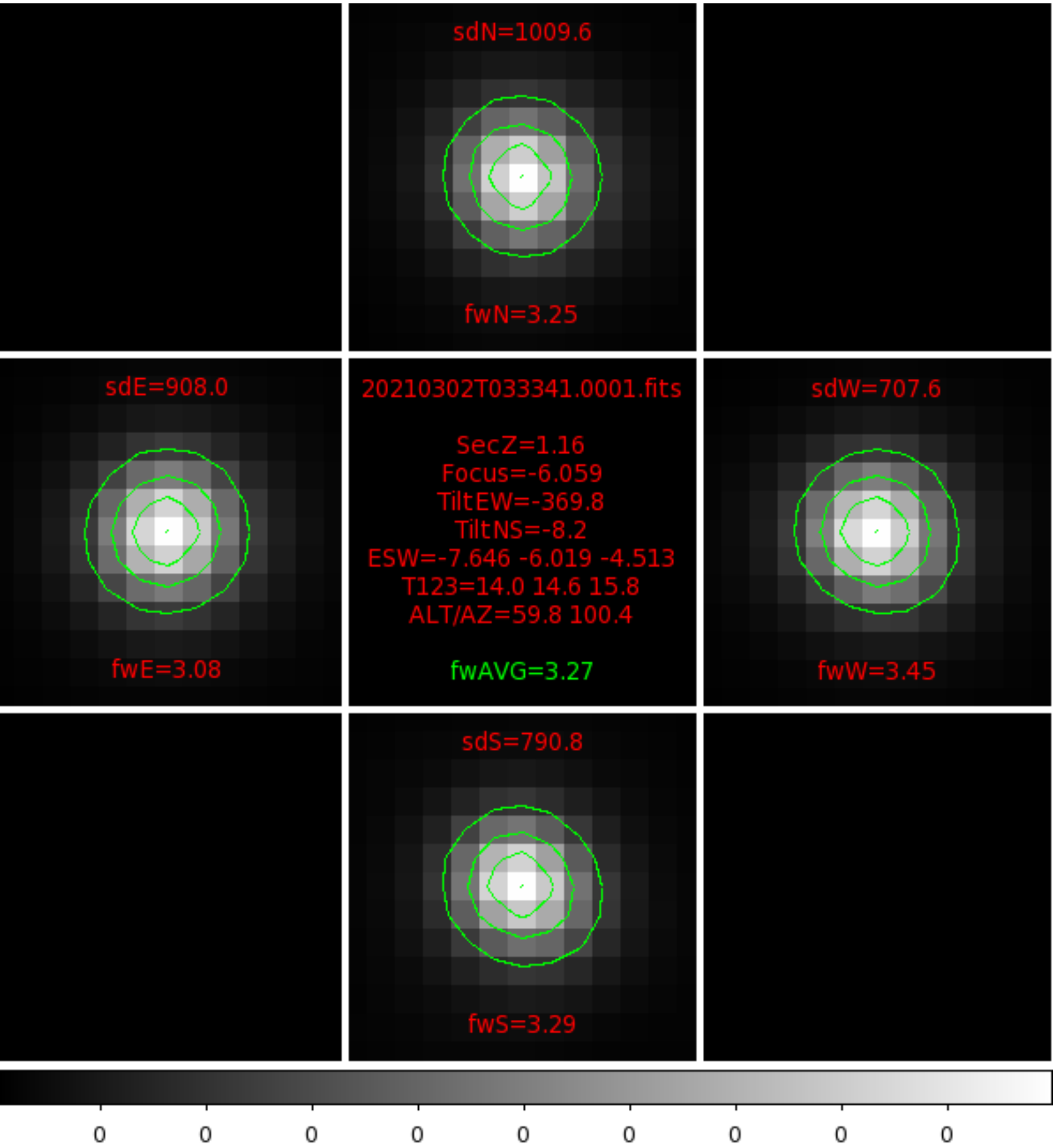
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SecZ=1.16
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TiltNS=-8.2
ESW=-7.646 -6.019 -4.513
T123=14.0 14.6 15.8
ALT/AZ=59.8 100.4
fwAVG=3.27
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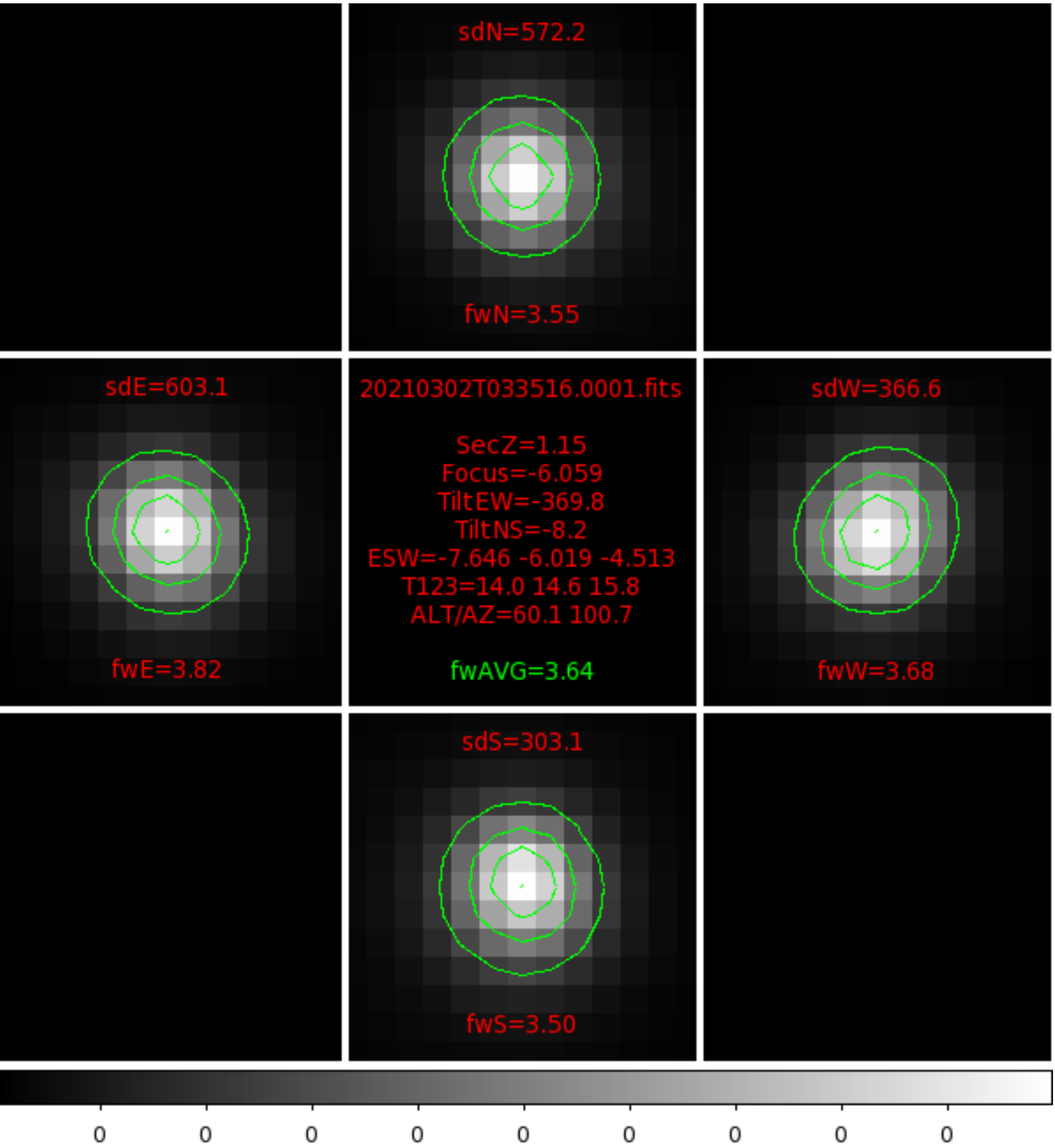
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SecZ=1.15
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.646 -6.019 -4.513
T123=14.0 14.6 15.8
ALT/AZ=60.1 100.7
fwAVG=3.64
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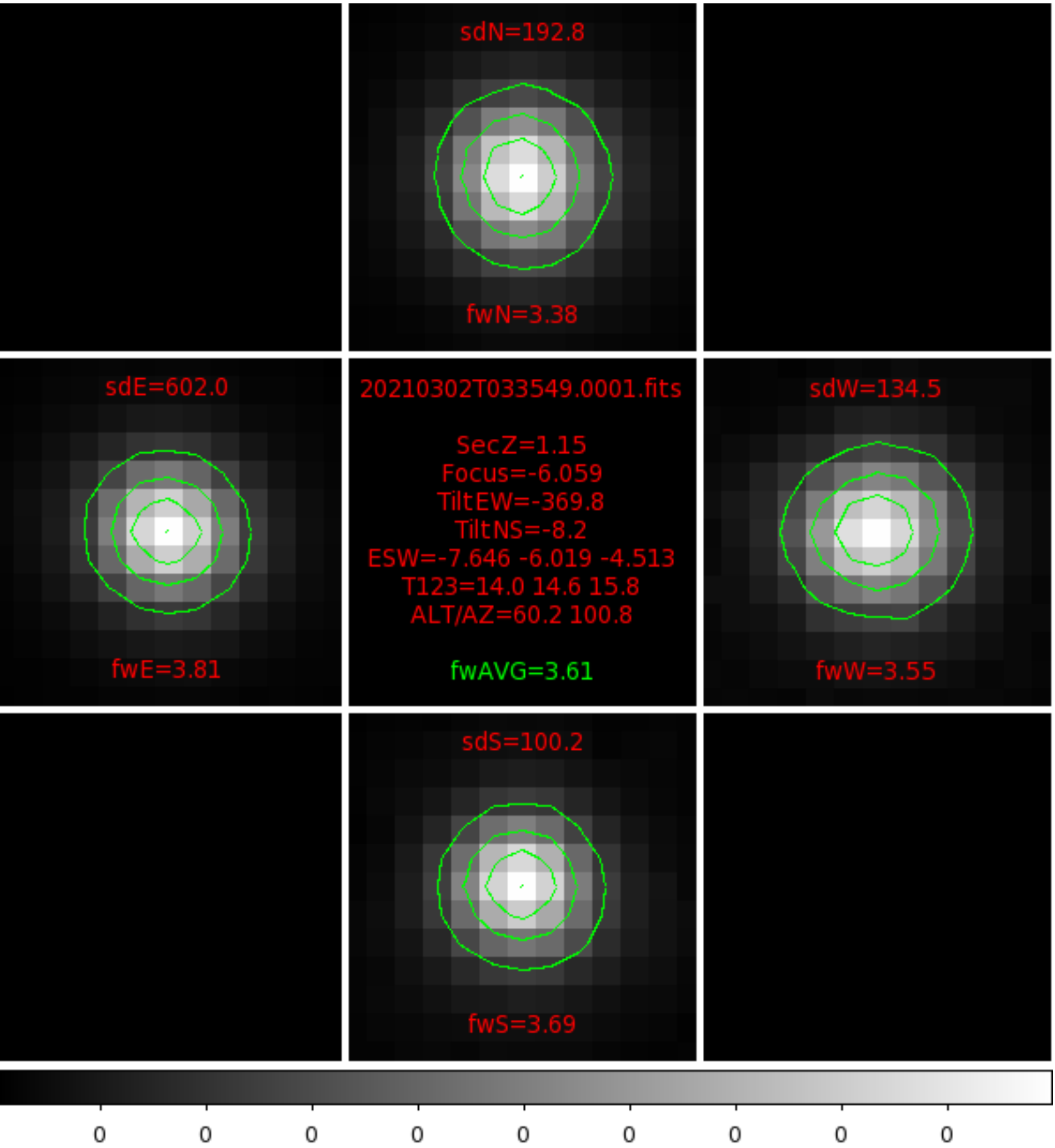
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SecZ=1.15
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.646 -6.019 -4.513
T123=14.0 14.6 15.8
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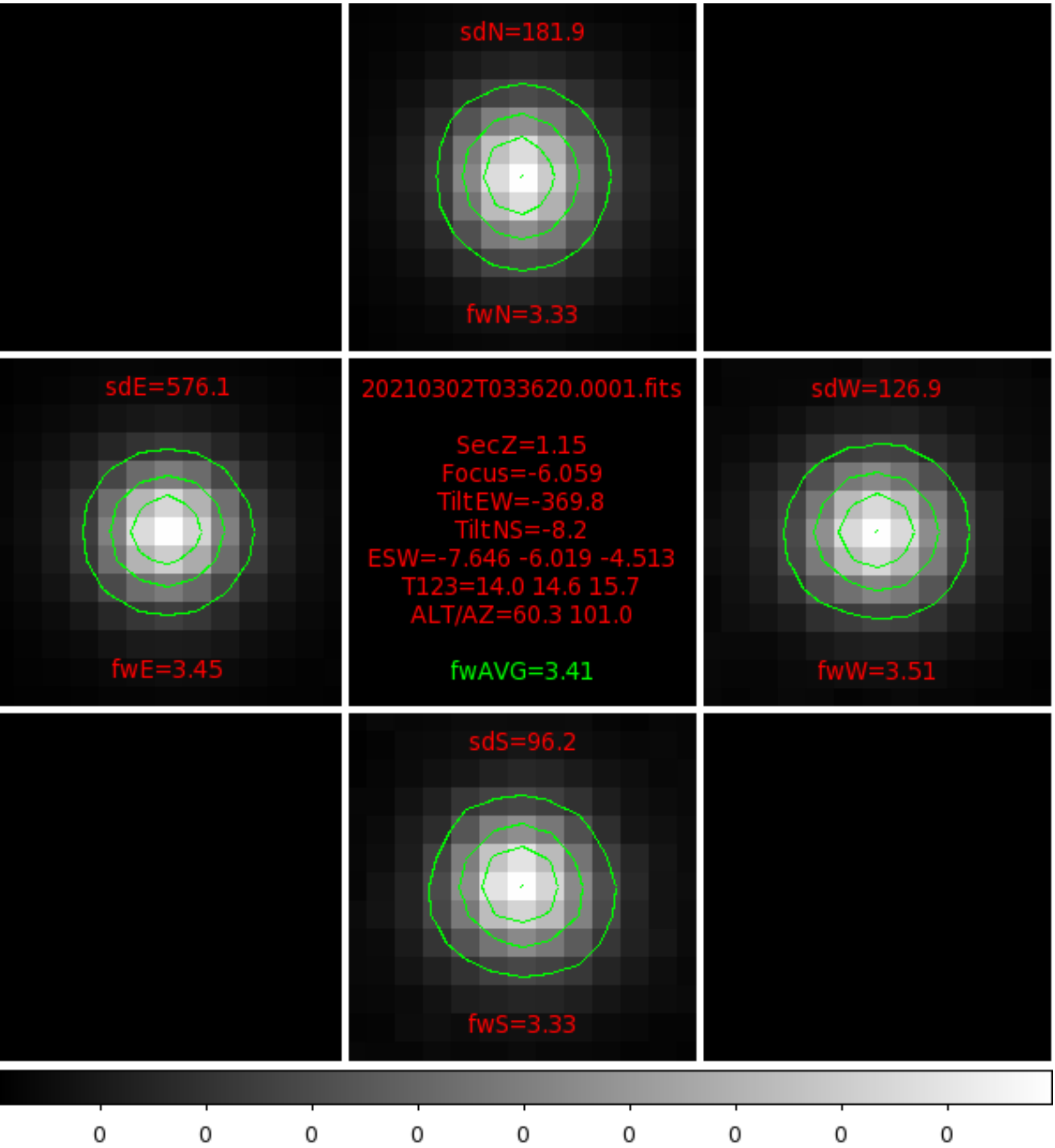
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SecZ=1.15
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TiltNS=-8.2
ESW=-7.646 -6.019 -4.513
T123=14.0 14.6 15.7
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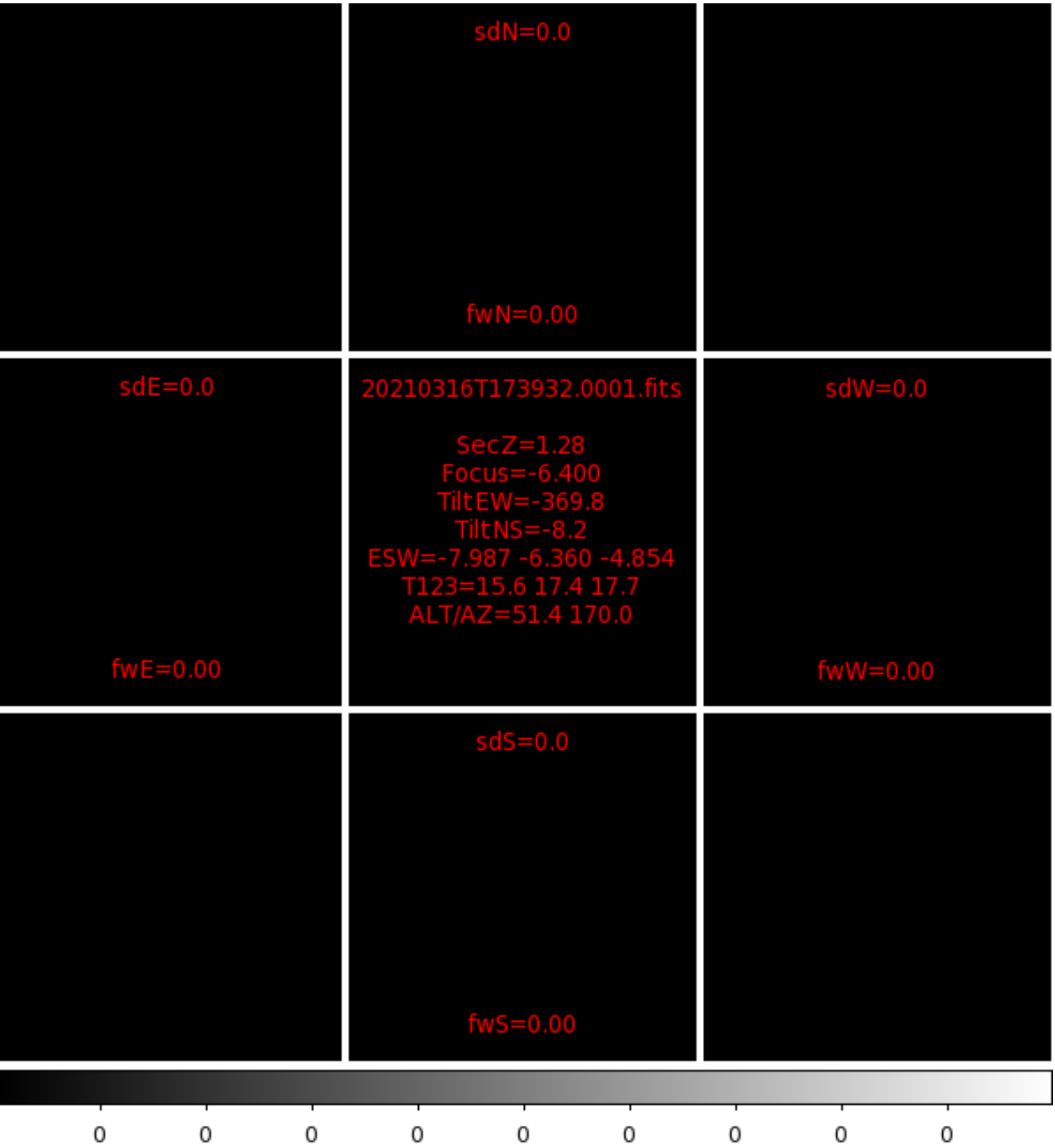
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ESW=-7.987 -6.360 -4.854
T123=15.6 17.4 17.7
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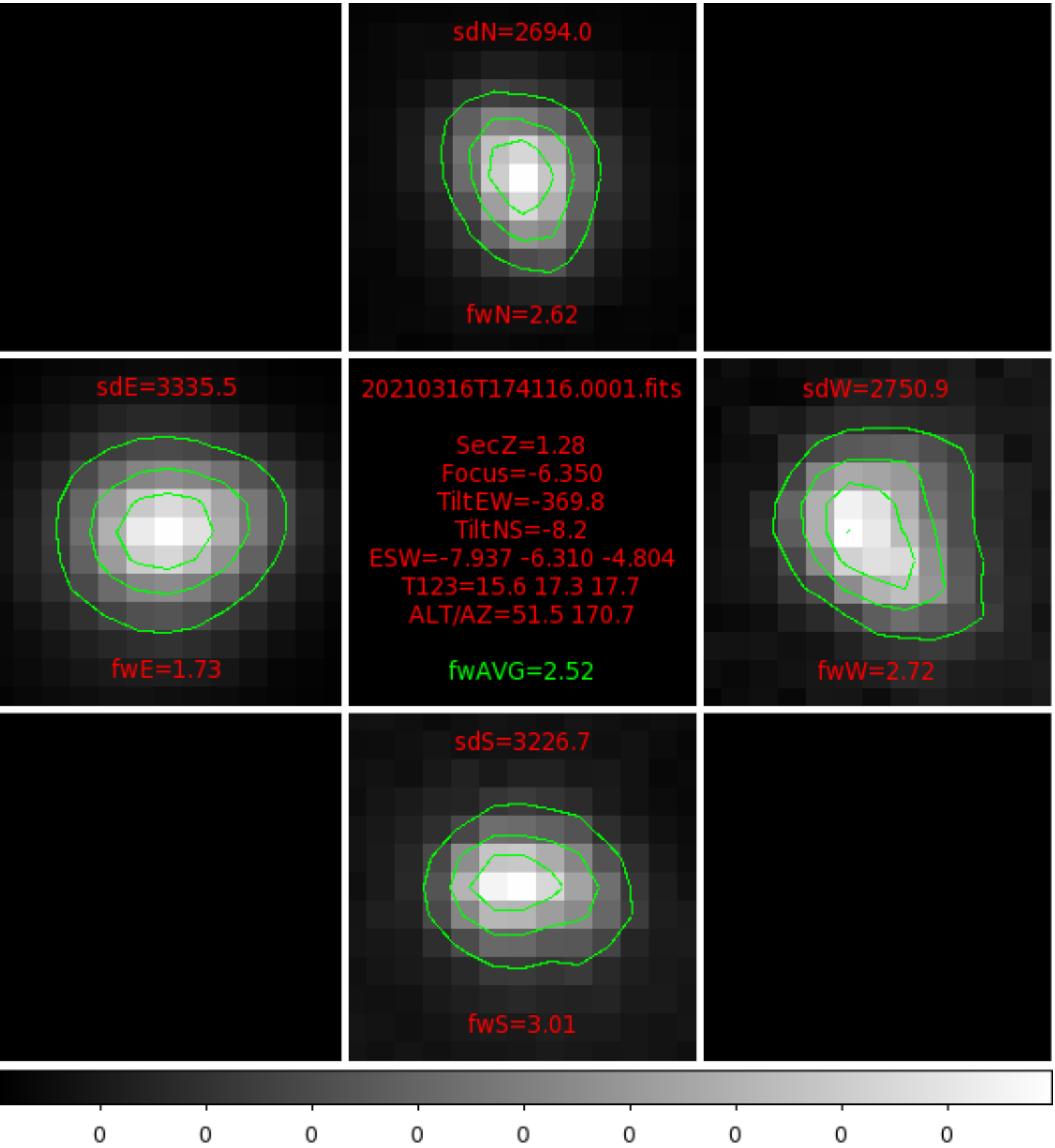
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SecZ=1.28
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TiltNS=-8.2
ESW=-7.937 -6.310 -4.804
T123=15.6 17.3 17.7
ALT/AZ=51.5 170.7
fwAVG=2.52
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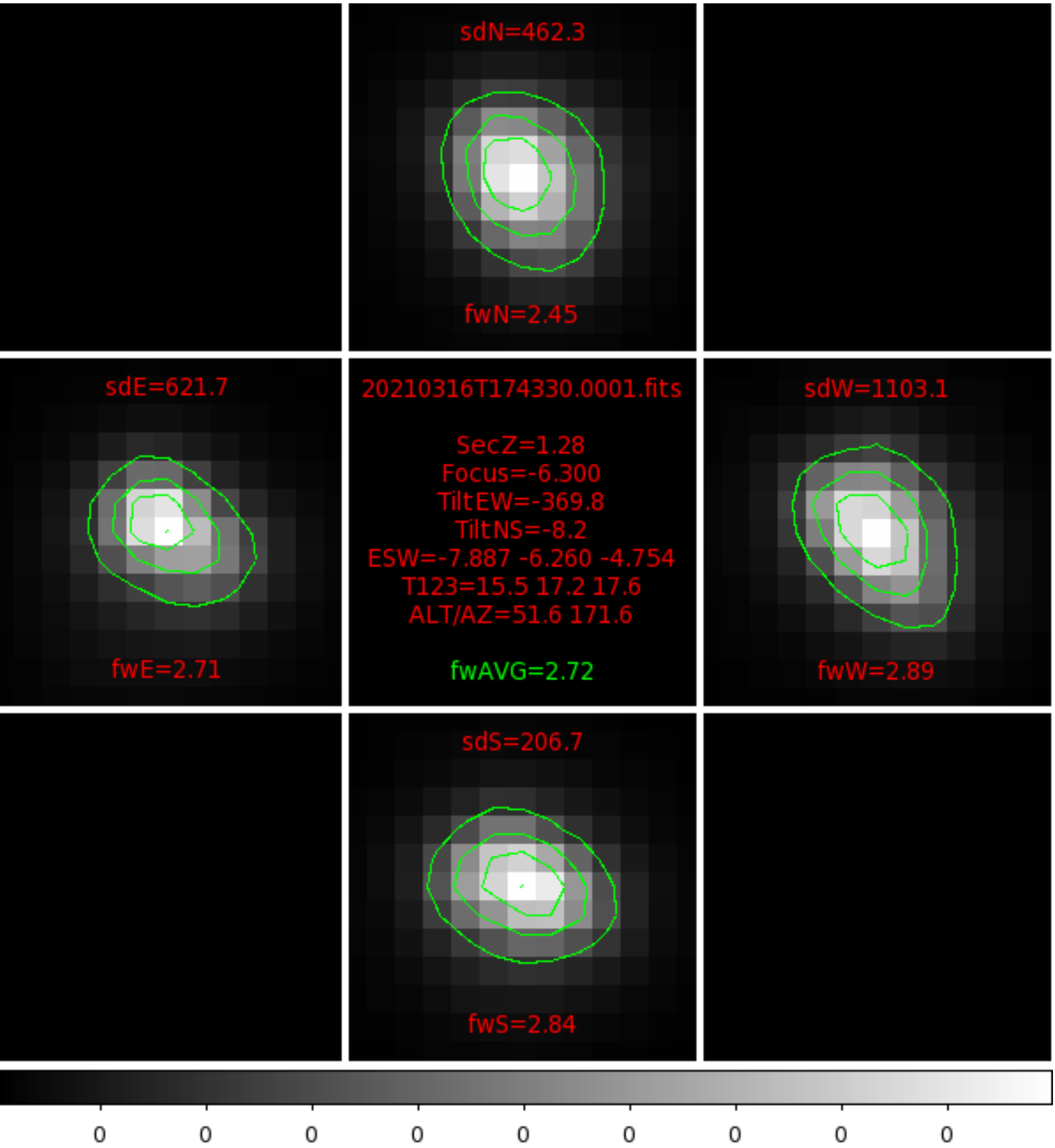
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TiltNS=-8.2
ESW=-7.887 -6.260 -4.754
T123=15.5 17.2 17.6
ALT/AZ=51.6 171.6
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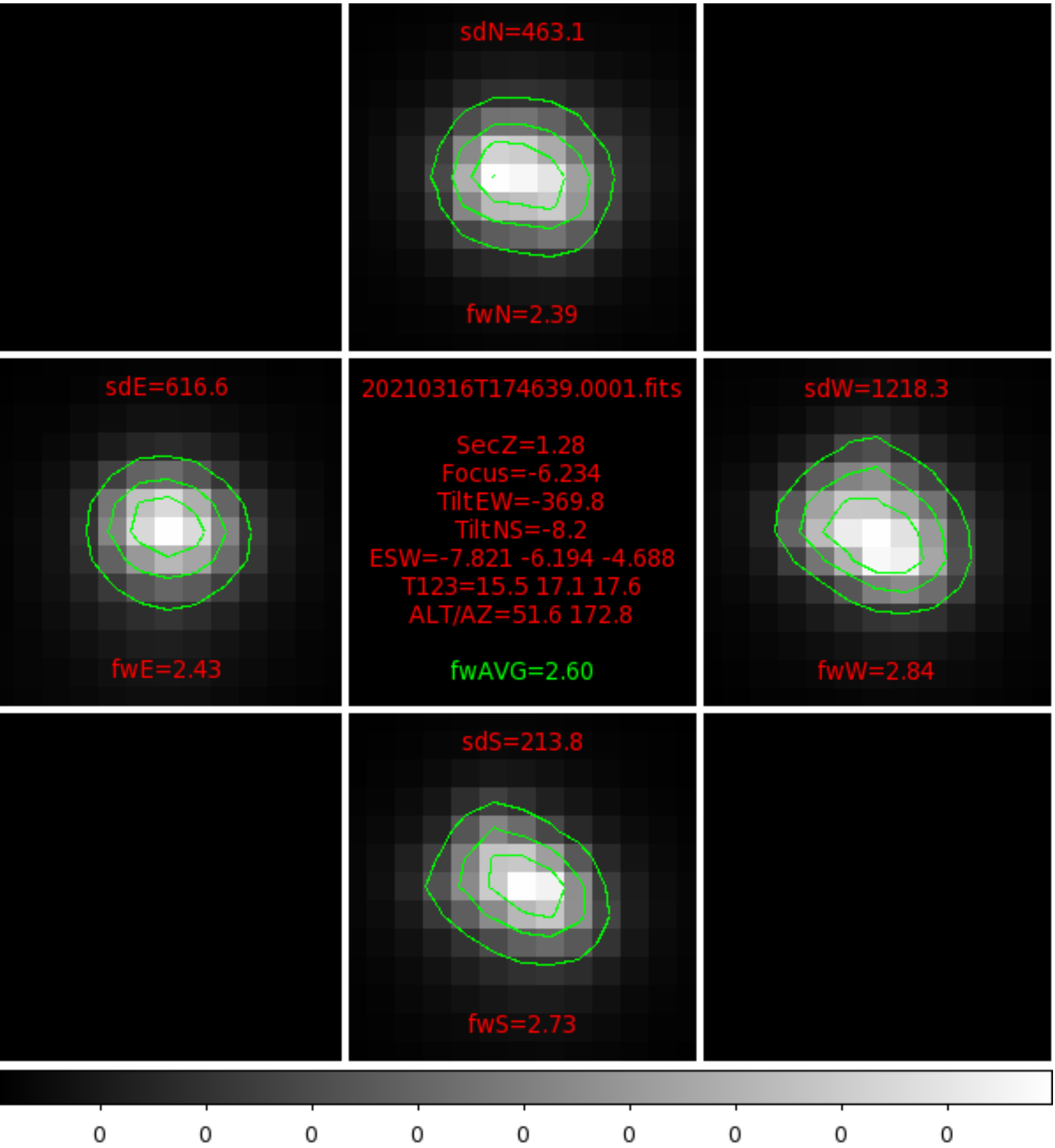
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SecZ=1.28
Focus=-6.234
TiltEW=-369.8
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ESW=-7.821 -6.194 -4.688
T123=15.5 17.1 17.6
ALT/AZ=51.6 172.8
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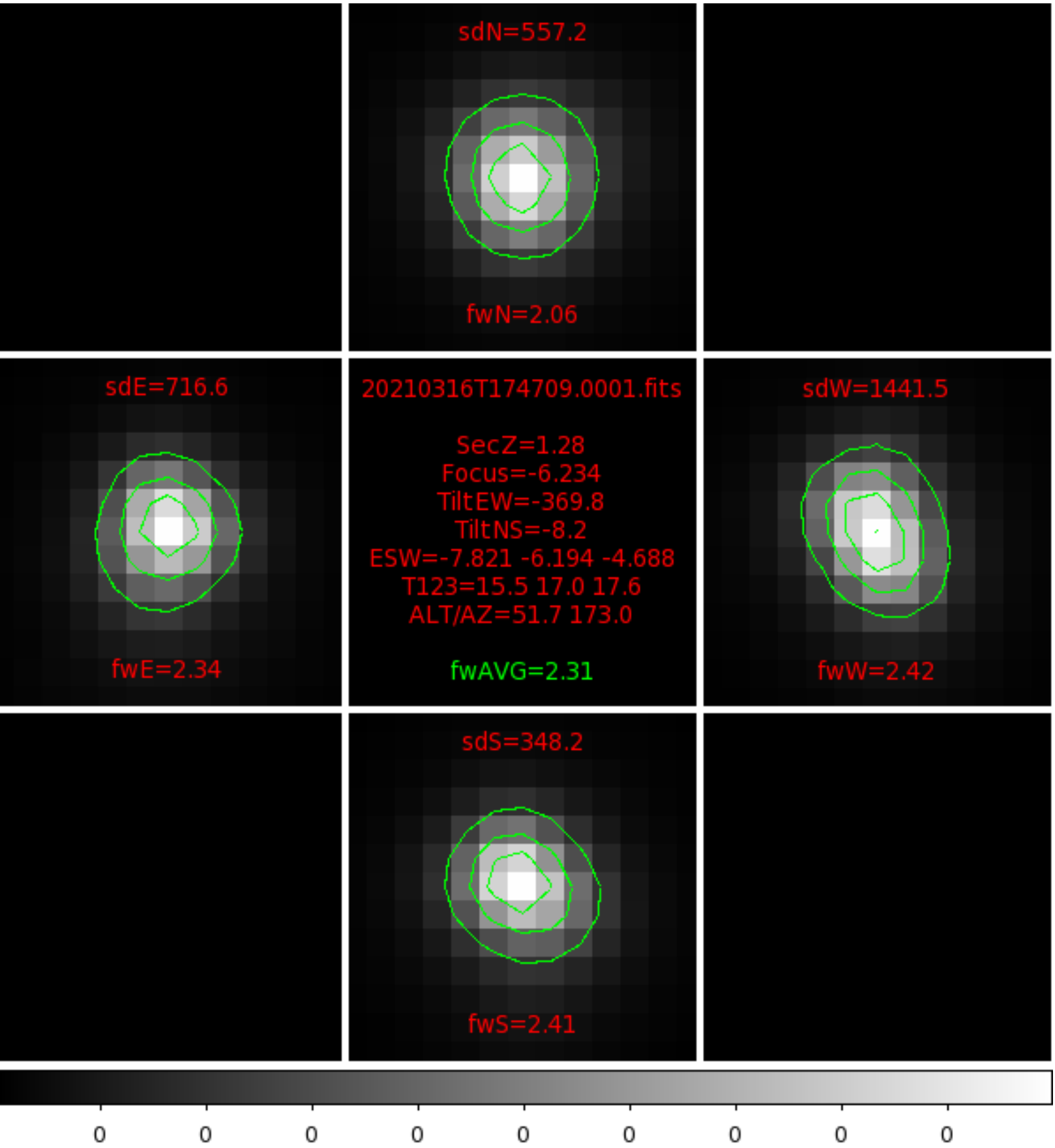
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SecZ=1.28
Focus=-6.234
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.821 -6.194 -4.688
T123=15.5 17.0 17.6
ALT/AZ=51.7 173.0
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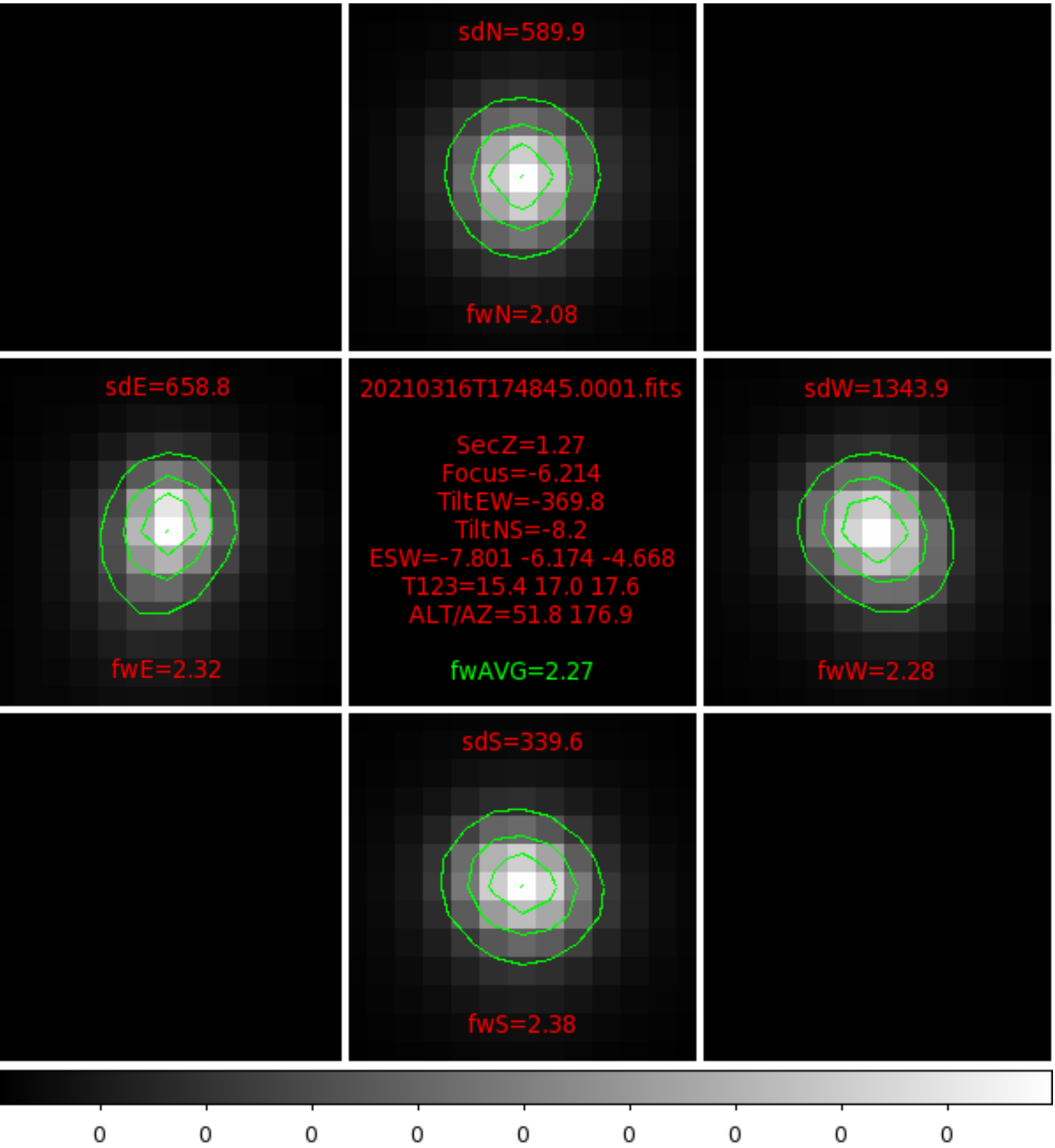
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SecZ=1.27
Focus=-6.214
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.801 -6.174 -4.668
T123=15.4 17.0 17.6
ALT/AZ=51.8 176.9
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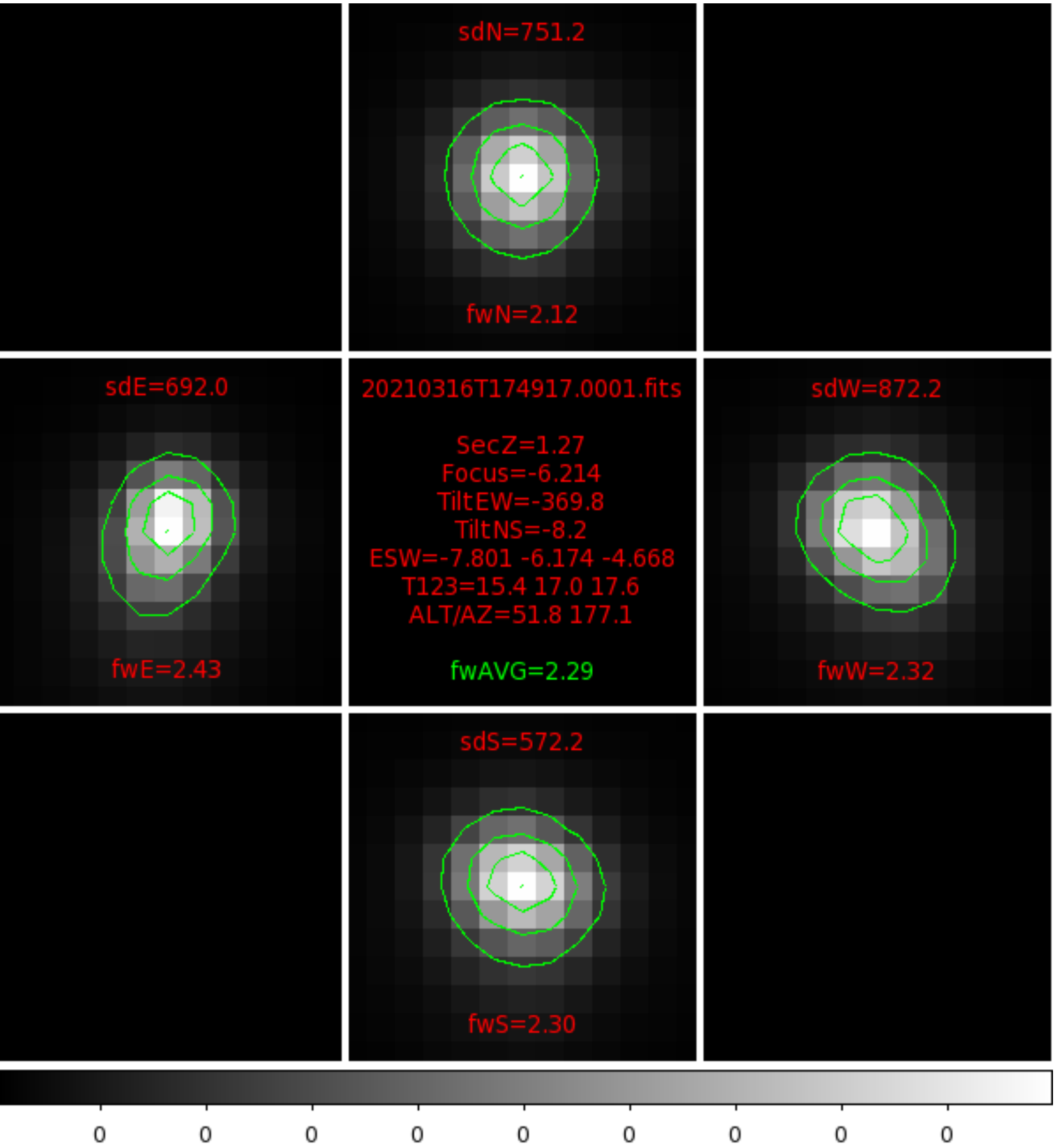
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SecZ=1.27
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TiltNS=-8.2
ESW=-7.801 -6.174 -4.668
T123=15.4 17.0 17.6
ALT/AZ=51.8 177.1
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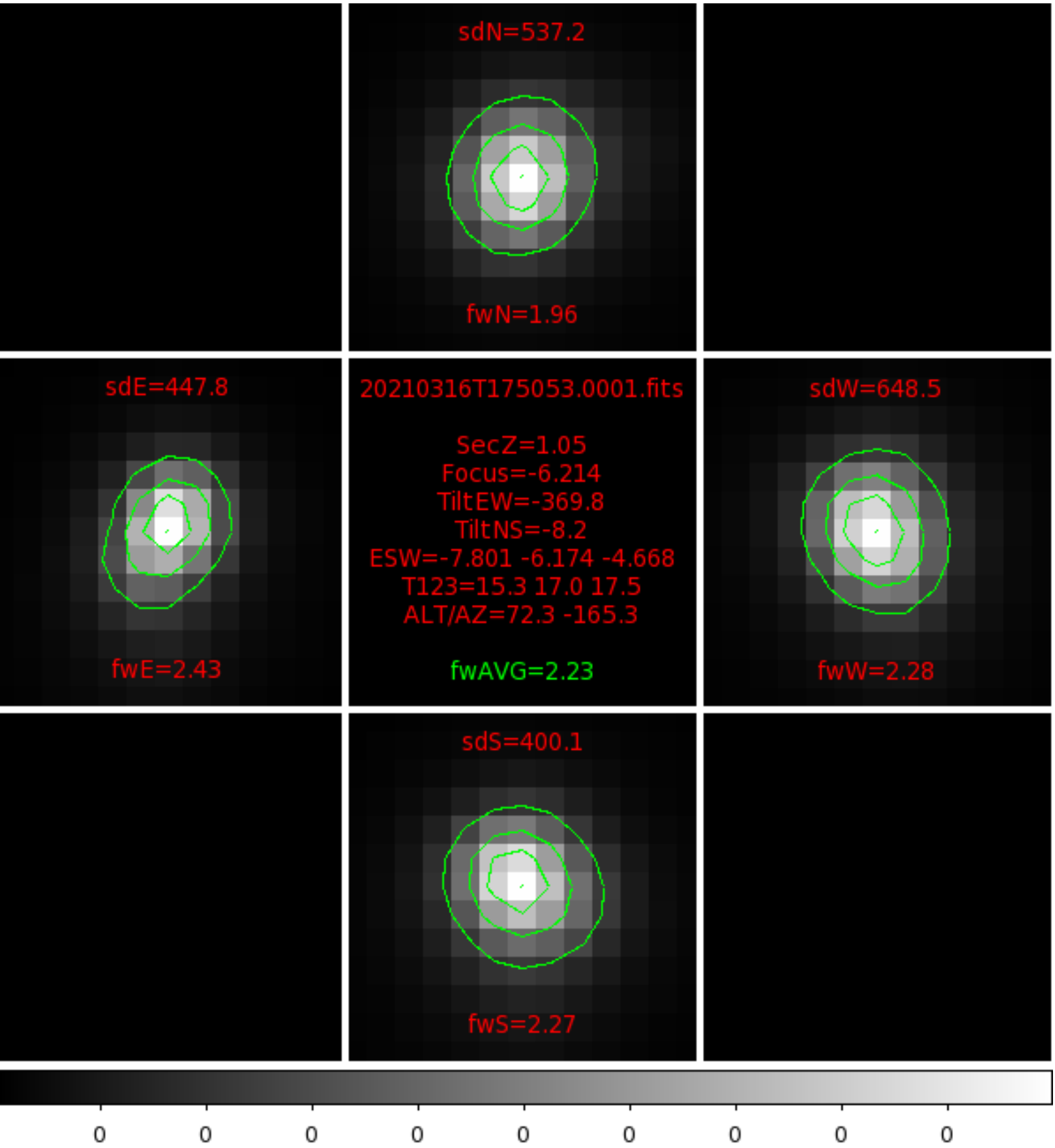
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SecZ=1.05
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.801 -6.174 -4.668
T123=15.3 17.0 17.5
ALT/AZ=72.3 -165.3
fwAVG=2.23
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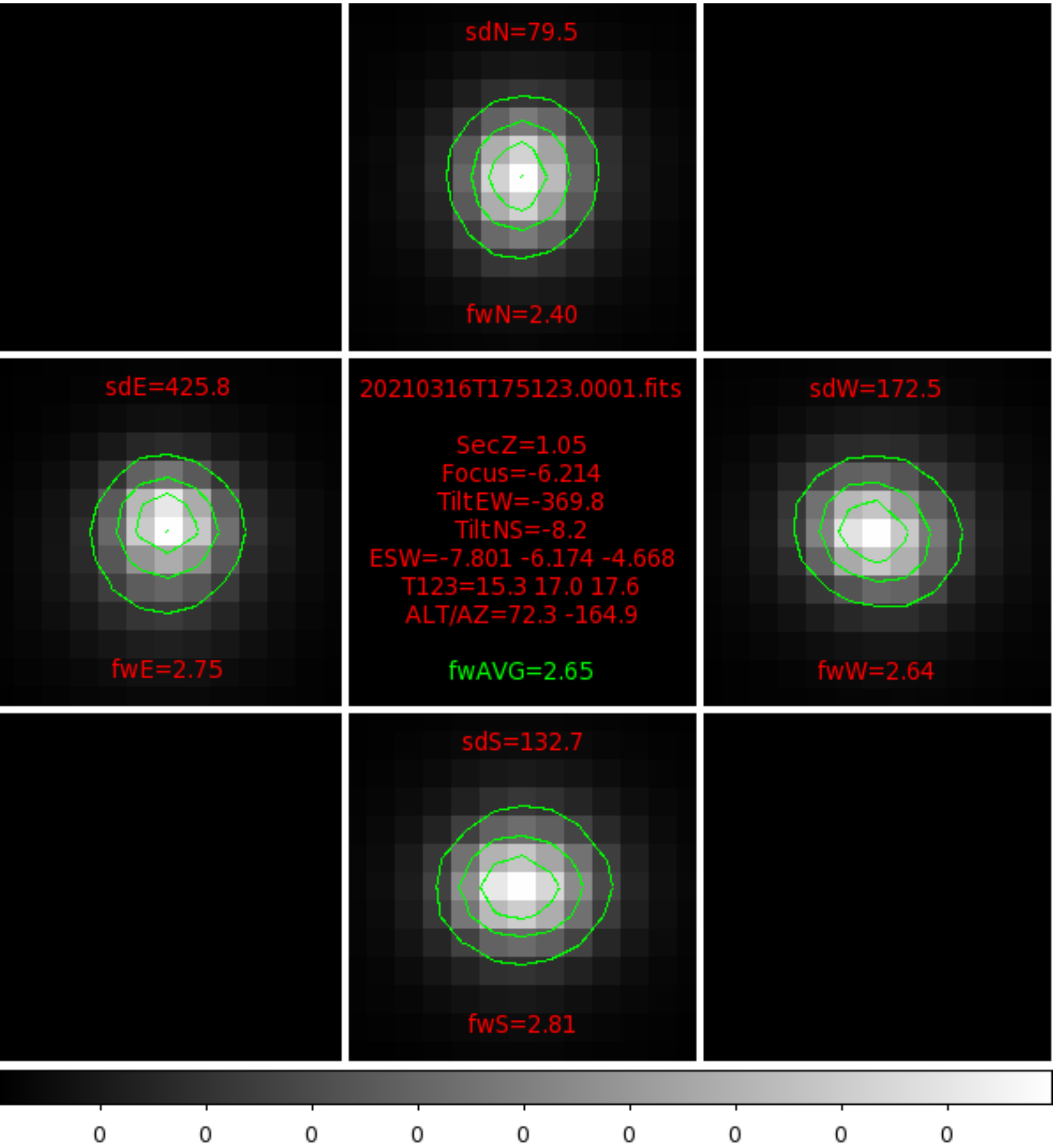
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SecZ=1.05
Focus=-6.214
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.801 -6.174 -4.668
T123=15.3 17.0 17.6
ALT/AZ=72.3 -164.9
fwAVG=2.65
sdW=172.5
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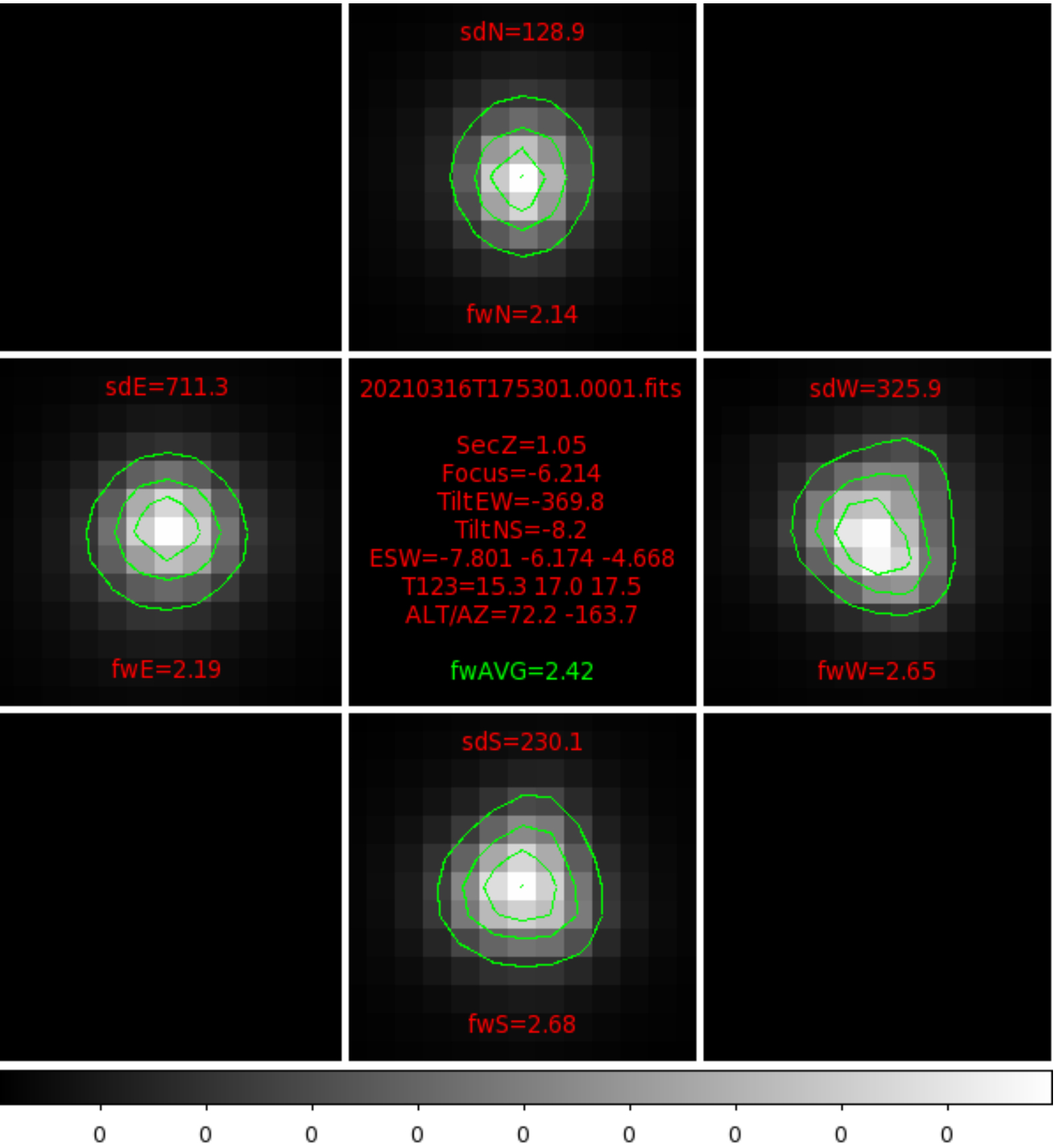
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sdE=711.3
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SecZ=1.05
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TiltNS=-8.2
ESW=-7.801 -6.174 -4.668
T123=15.3 17.0 17.5
ALT/AZ=72.2 -163.7
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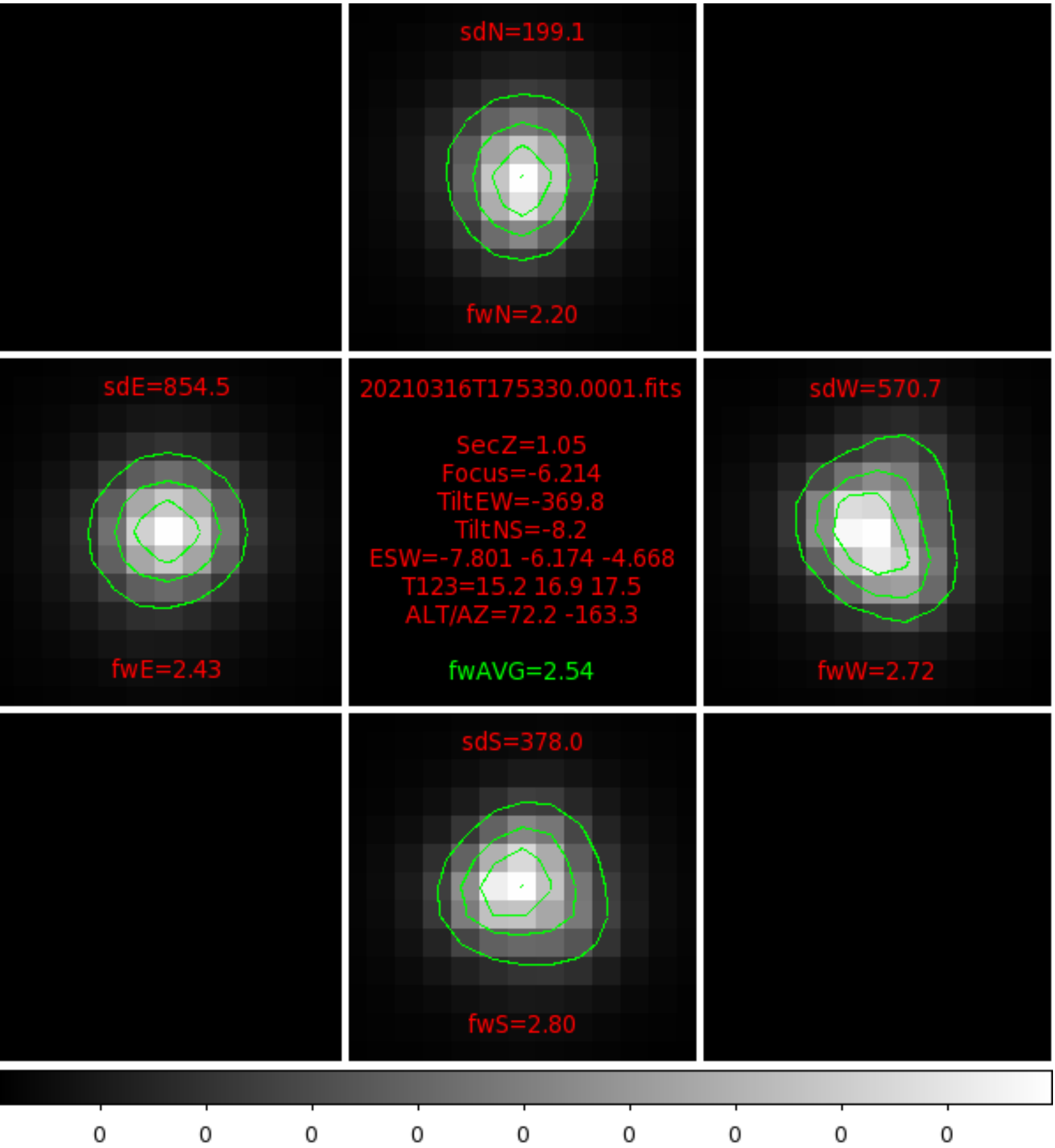
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ALT/AZ=72.2 -163.3
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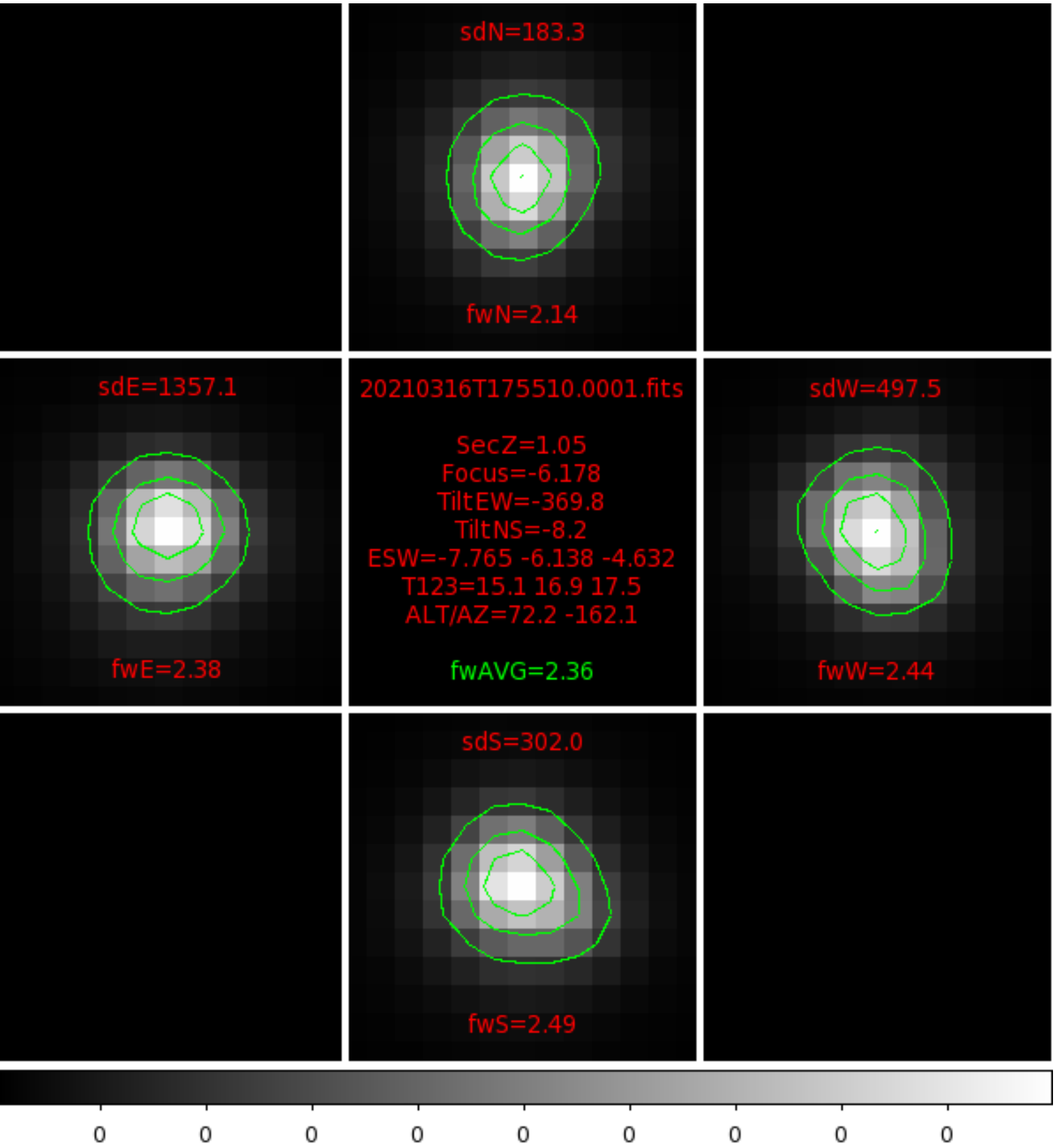
sdN=183.3
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SecZ=1.05
Focus=-6.178
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.765 -6.138 -4.632
T123=15.1 16.9 17.5
ALT/AZ=72.2 -162.1
fwAVG=2.36
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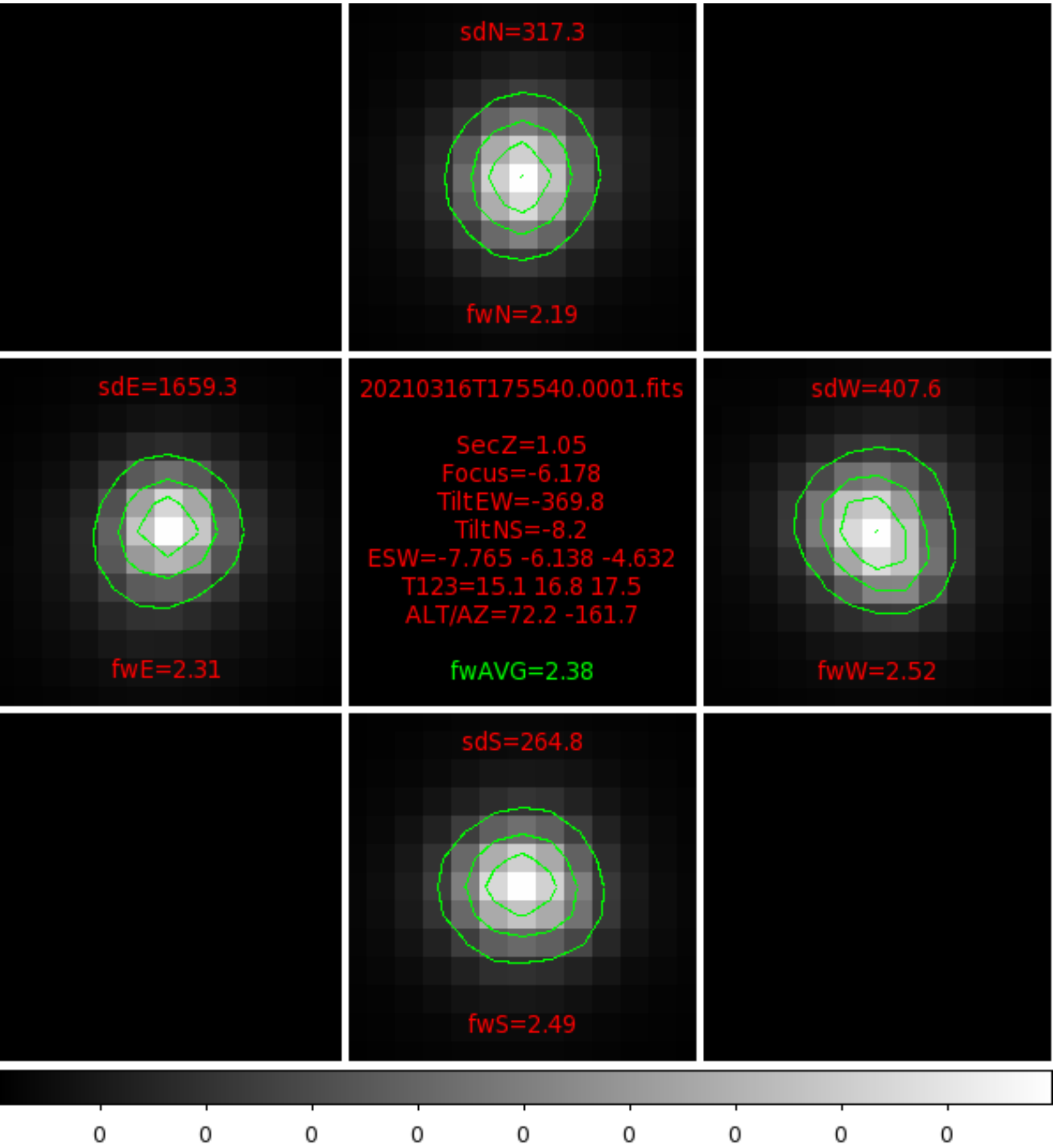
sdN=317.3
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20210316T175540.0001.fits
SecZ=1.05
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TiltNS=-8.2
ESW=-7.765 -6.138 -4.632
T123=15.1 16.8 17.5
ALT/AZ=72.2 -161.7
fwAVG=2.38
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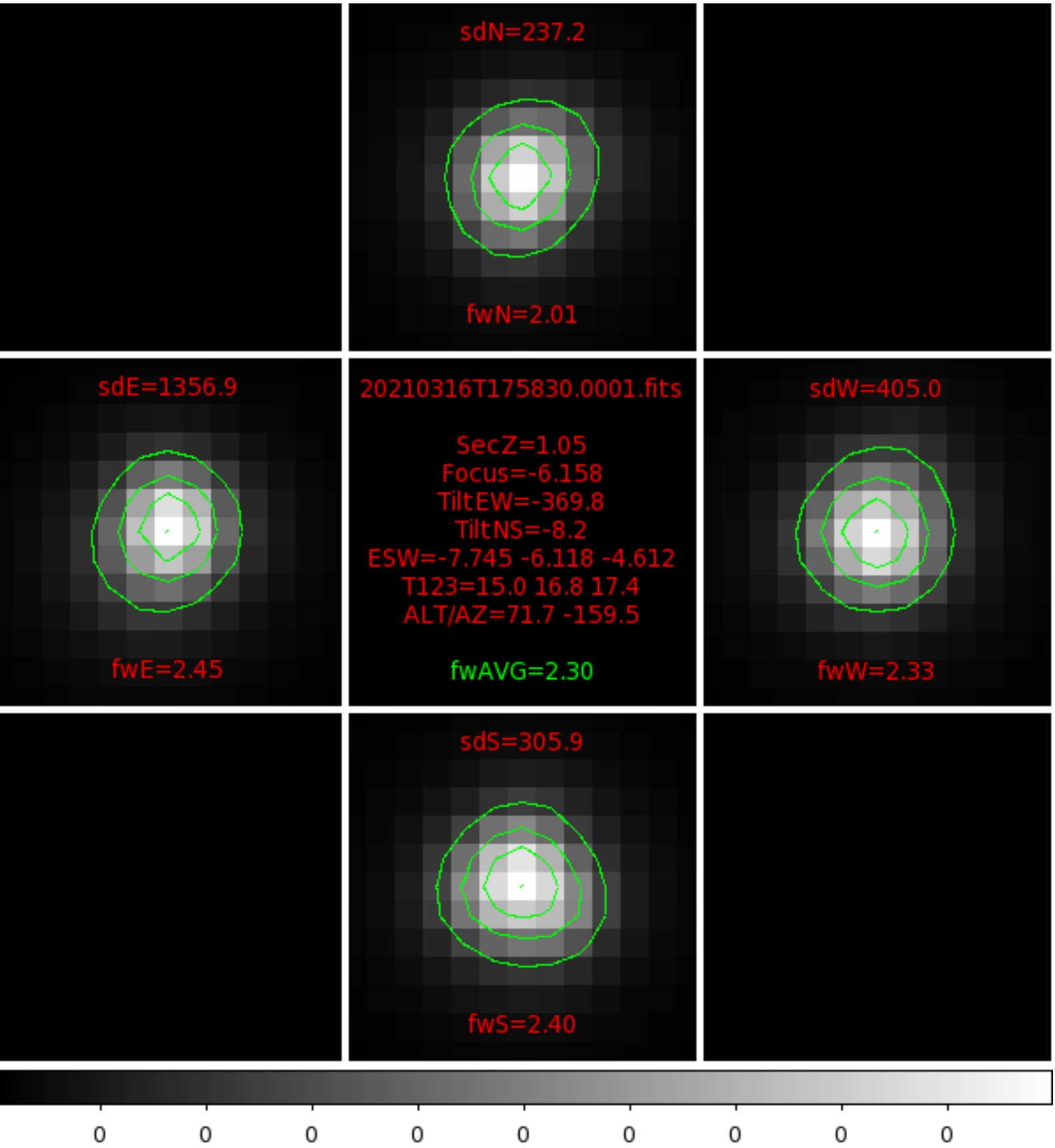
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20210316T175830.0001.fits
SecZ=1.05
Focus=-6.158
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.745 -6.118 -4.612
T123=15.0 16.8 17.4
ALT/AZ=71.7 -159.5
fwAVG=2.30
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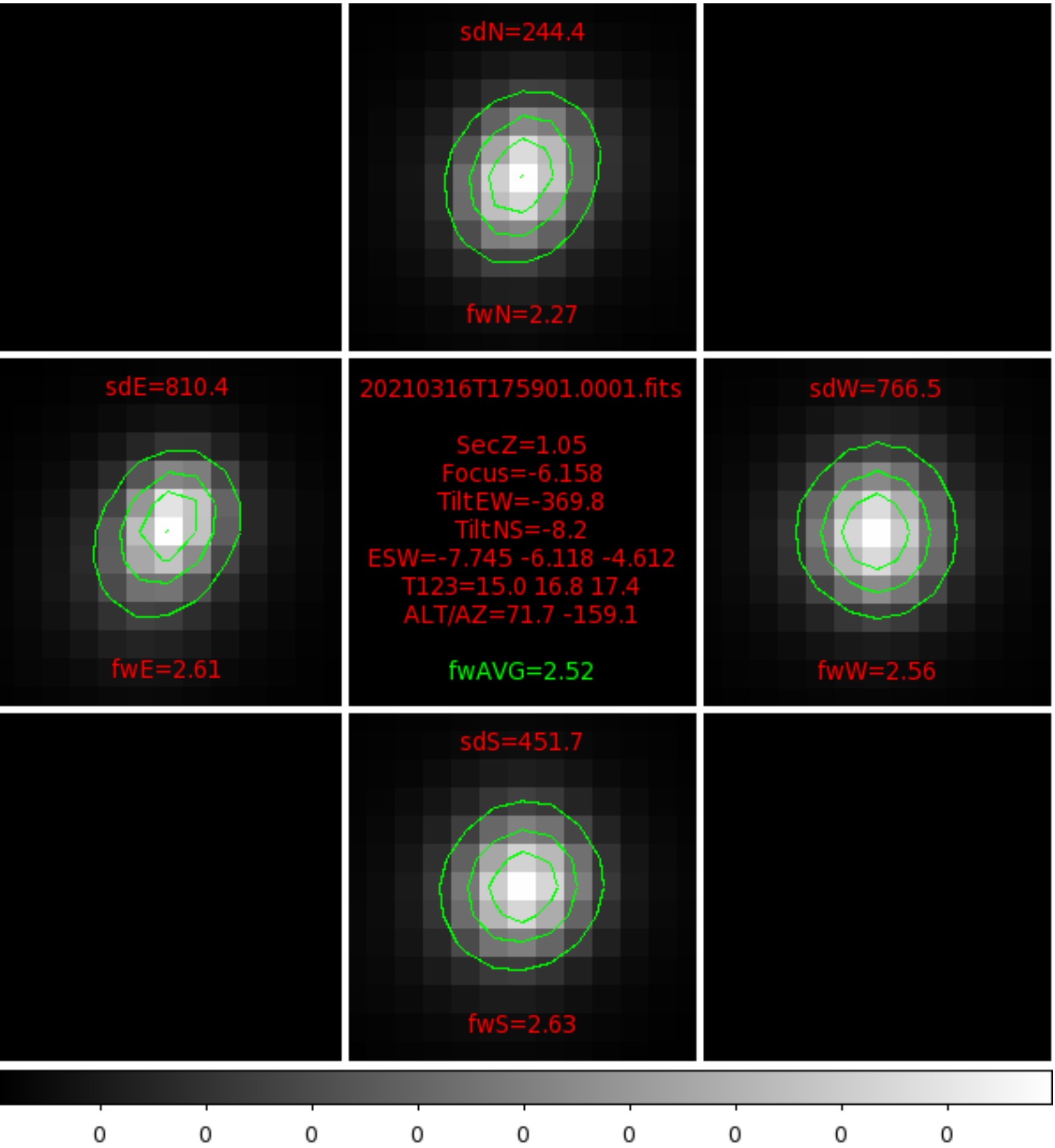
sdN=244.4
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fwE=2.61
20210316T175901.0001.fits
SecZ=1.05
Focus=-6.158
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.745 -6.118 -4.612
T123=15.0 16.8 17.4
ALT/AZ=71.7 -159.1
fwAVG=2.52
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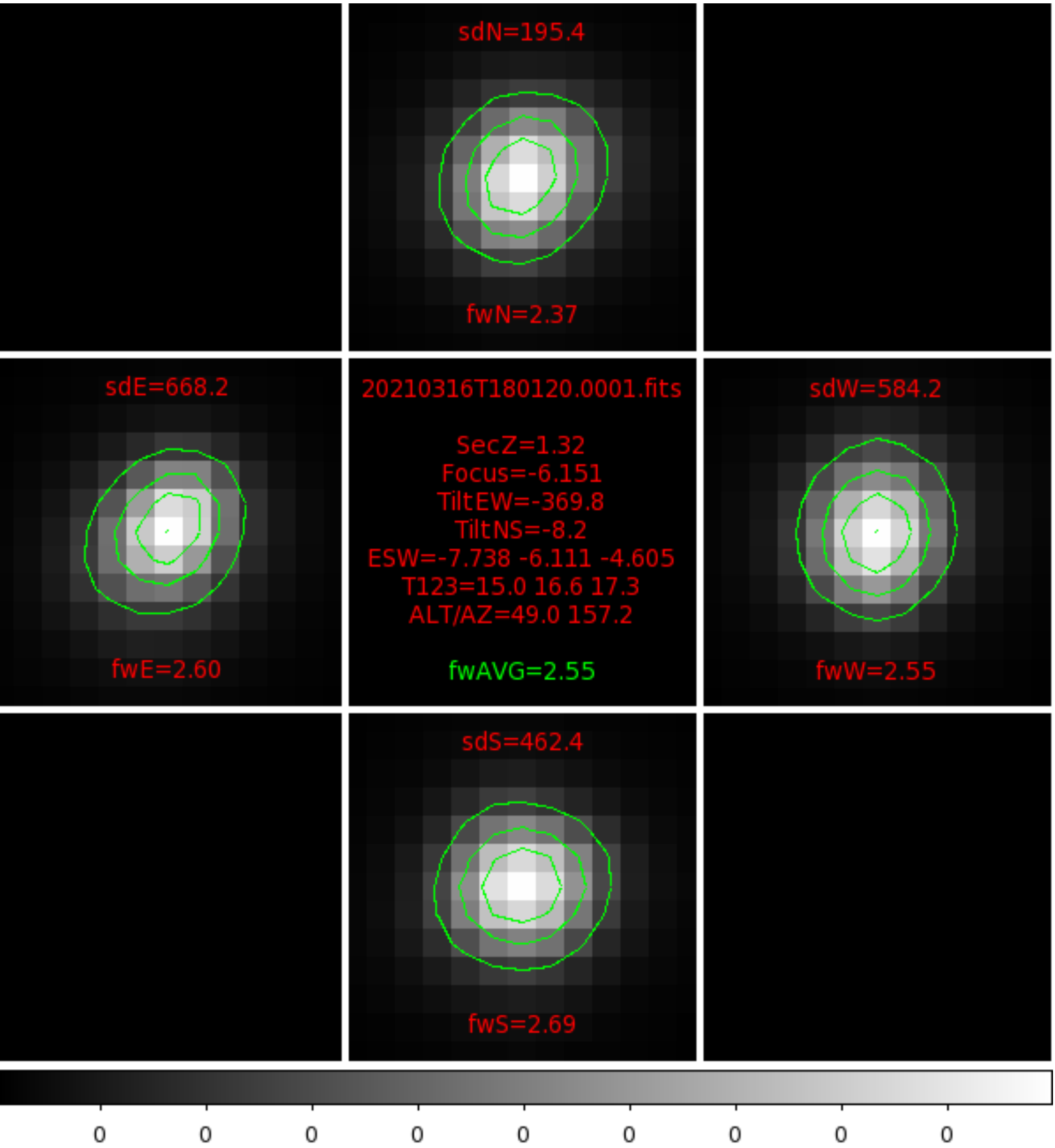
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sdE=668.2
fwE=2.60
20210316T180120.0001.fits
SecZ=1.32
Focus=-6.151
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.738 -6.111 -4.605
T123=15.0 16.6 17.3
ALT/AZ=49.0 157.2
fwAVG=2.55
sdW=584.2
fwW=2.55
sdS=462.4
fwS=2.69
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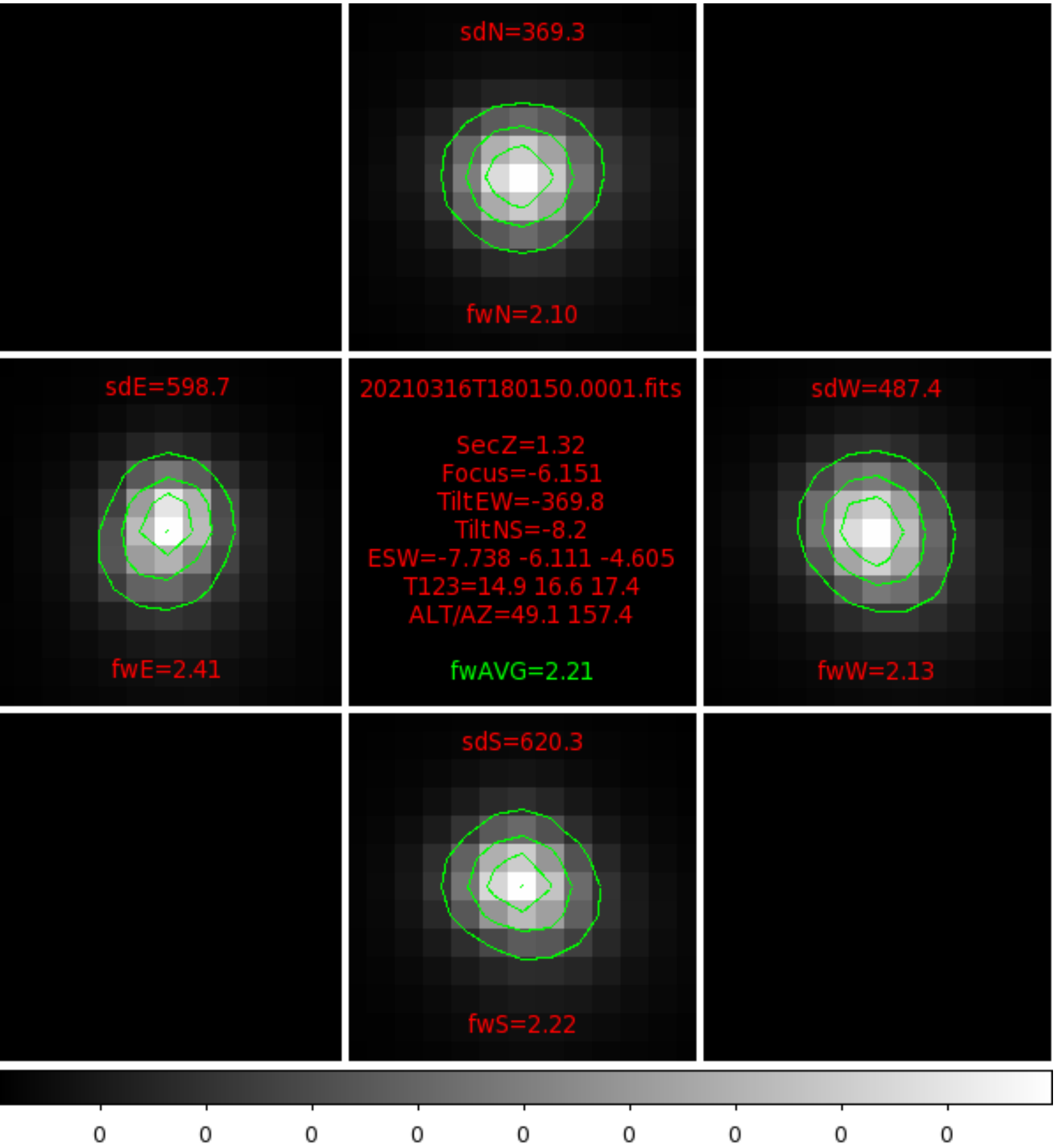
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20210316T180150.0001.fits
SecZ=1.32
Focus=-6.151
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.738 -6.111 -4.605
T123=14.9 16.6 17.4
ALT/AZ=49.1 157.4
fwAVG=2.21
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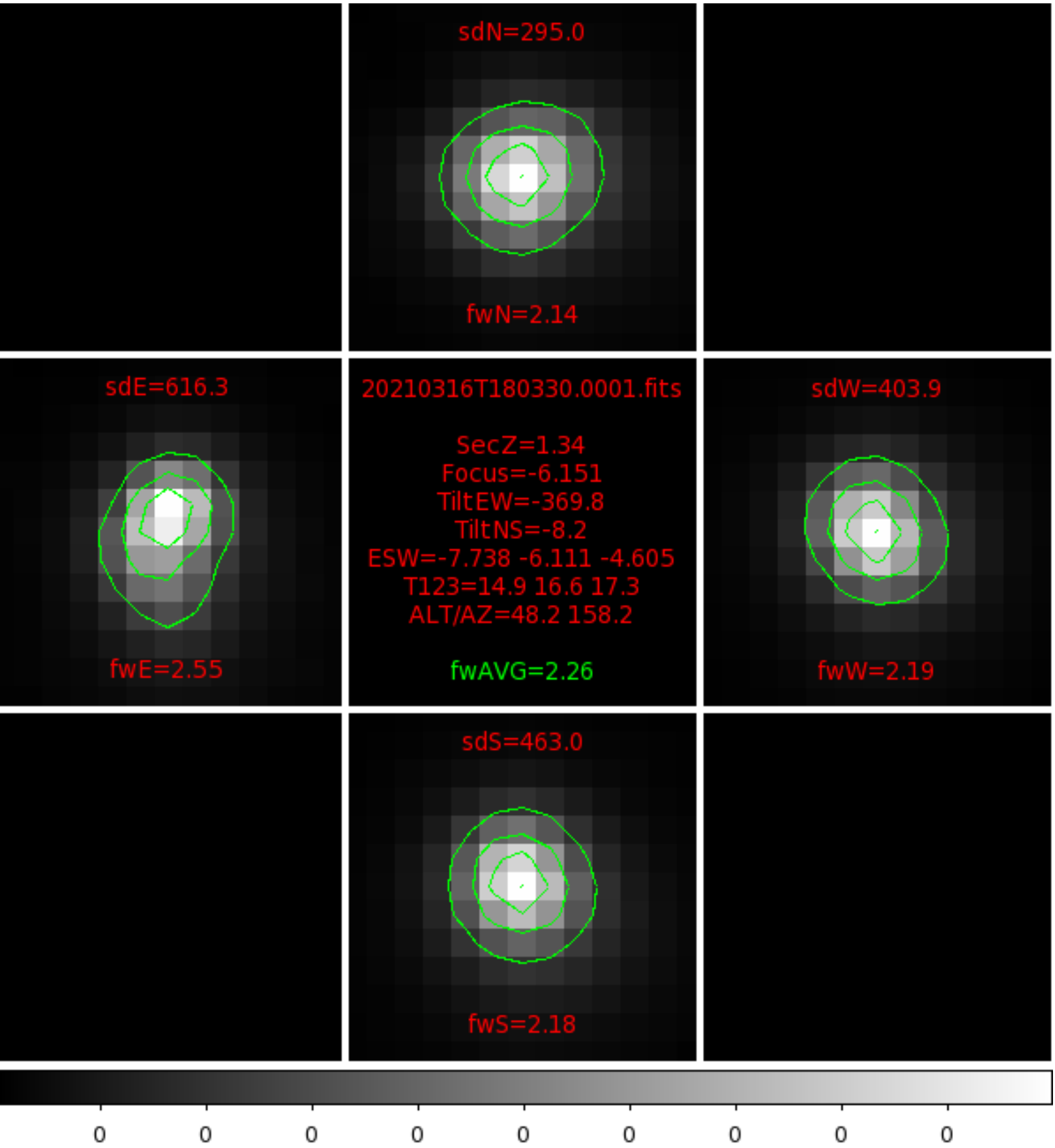
sdN=295.0
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SecZ=1.34
Focus=-6.151
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.738 -6.111 -4.605
T123=14.9 16.6 17.3
ALT/AZ=48.2 158.2
fwAVG=2.26
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sdS=463.0
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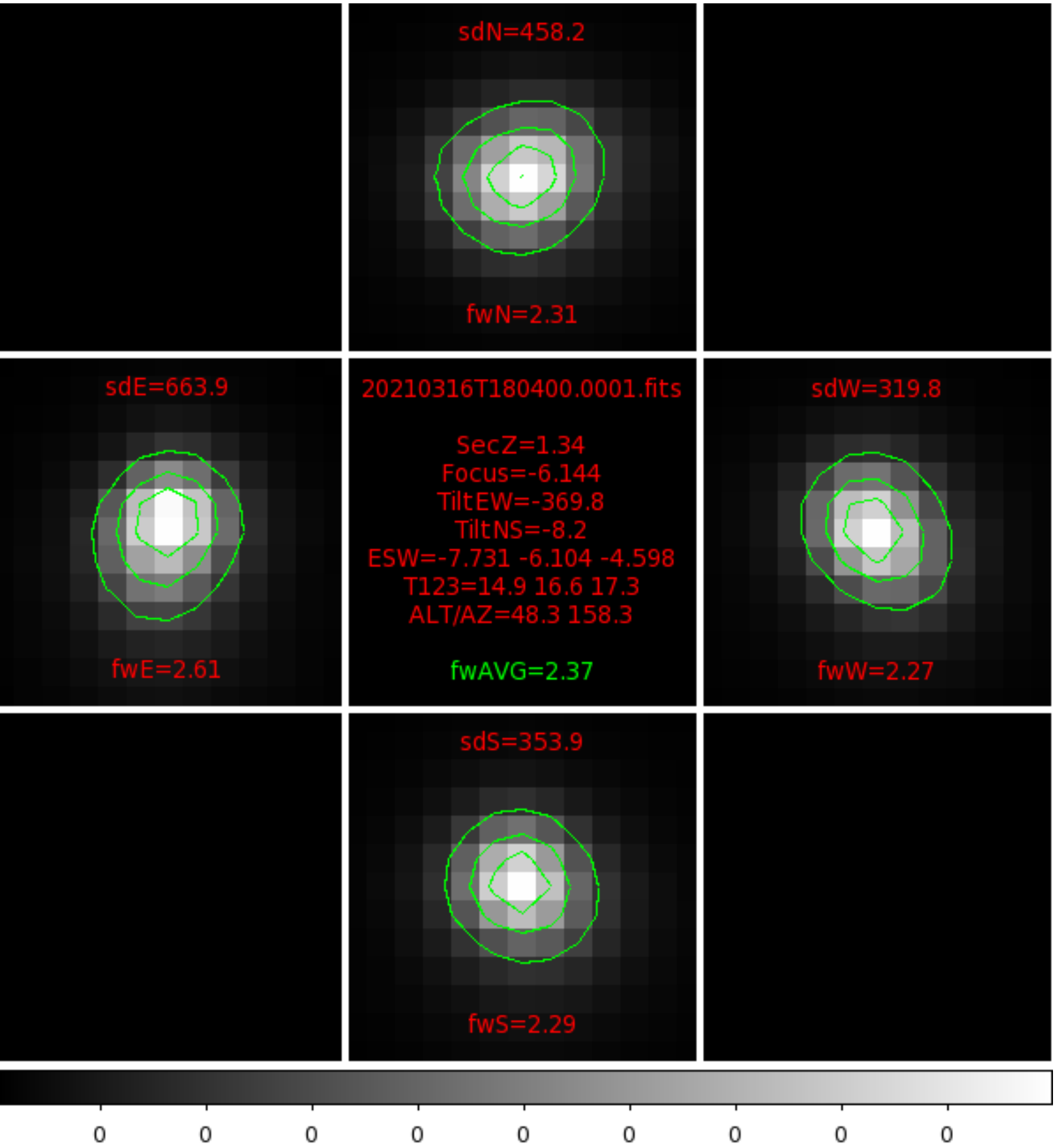
sdN=458.2
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sdE=663.9
fwE=2.61
20210316T180400.0001.fits
SecZ=1.34
Focus=-6.144
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.731 -6.104 -4.598
T123=14.9 16.6 17.3
ALT/AZ=48.3 158.3
fwAVG=2.37
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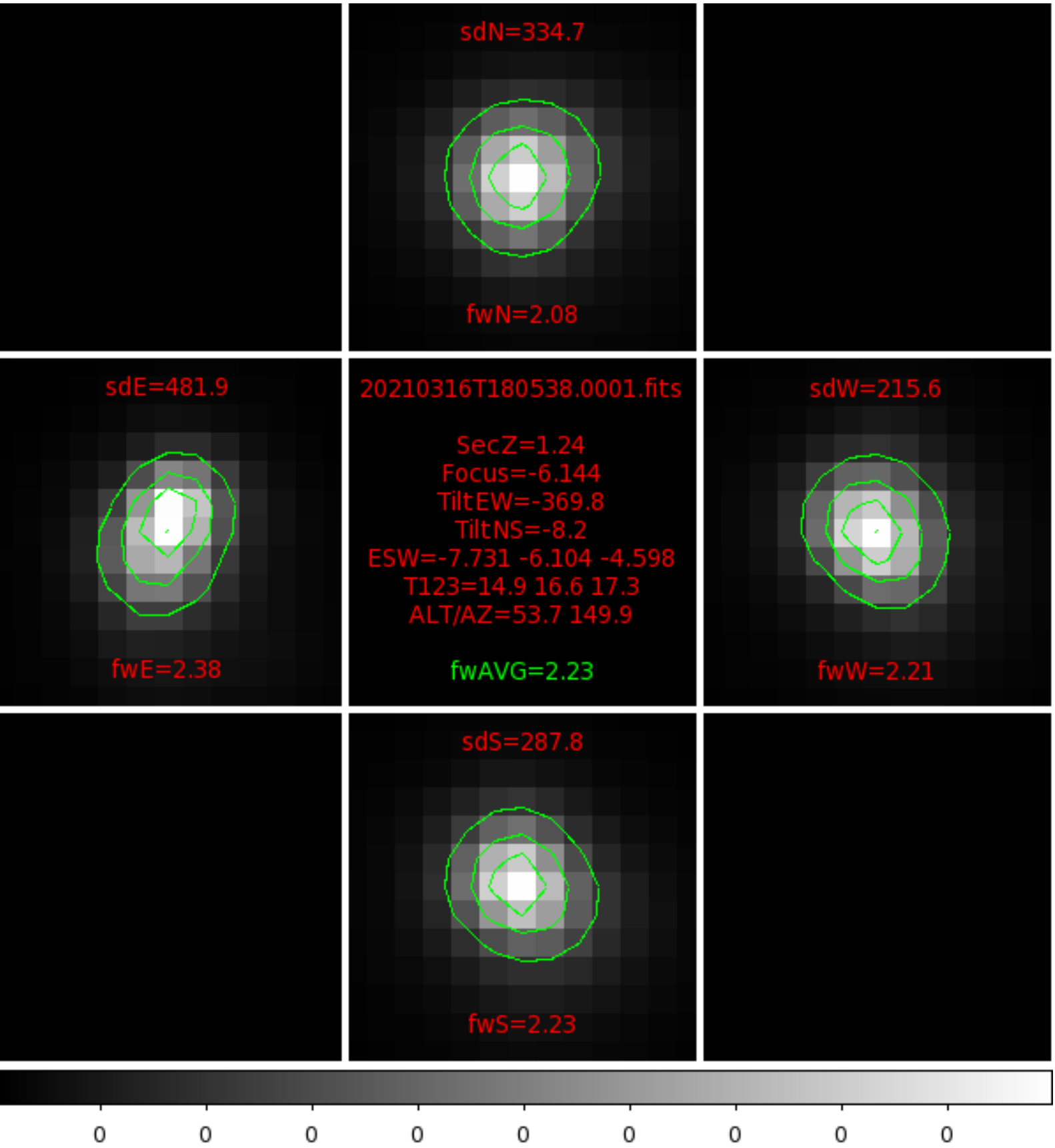
sdN=334.7
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sdE=481.9
fwE=2.38
20210316T180538.0001.fits
SecZ=1.24
Focus=-6.144
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.731 -6.104 -4.598
T123=14.9 16.6 17.3
ALT/AZ=53.7 149.9
fwAVG=2.23
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sdS=287.8
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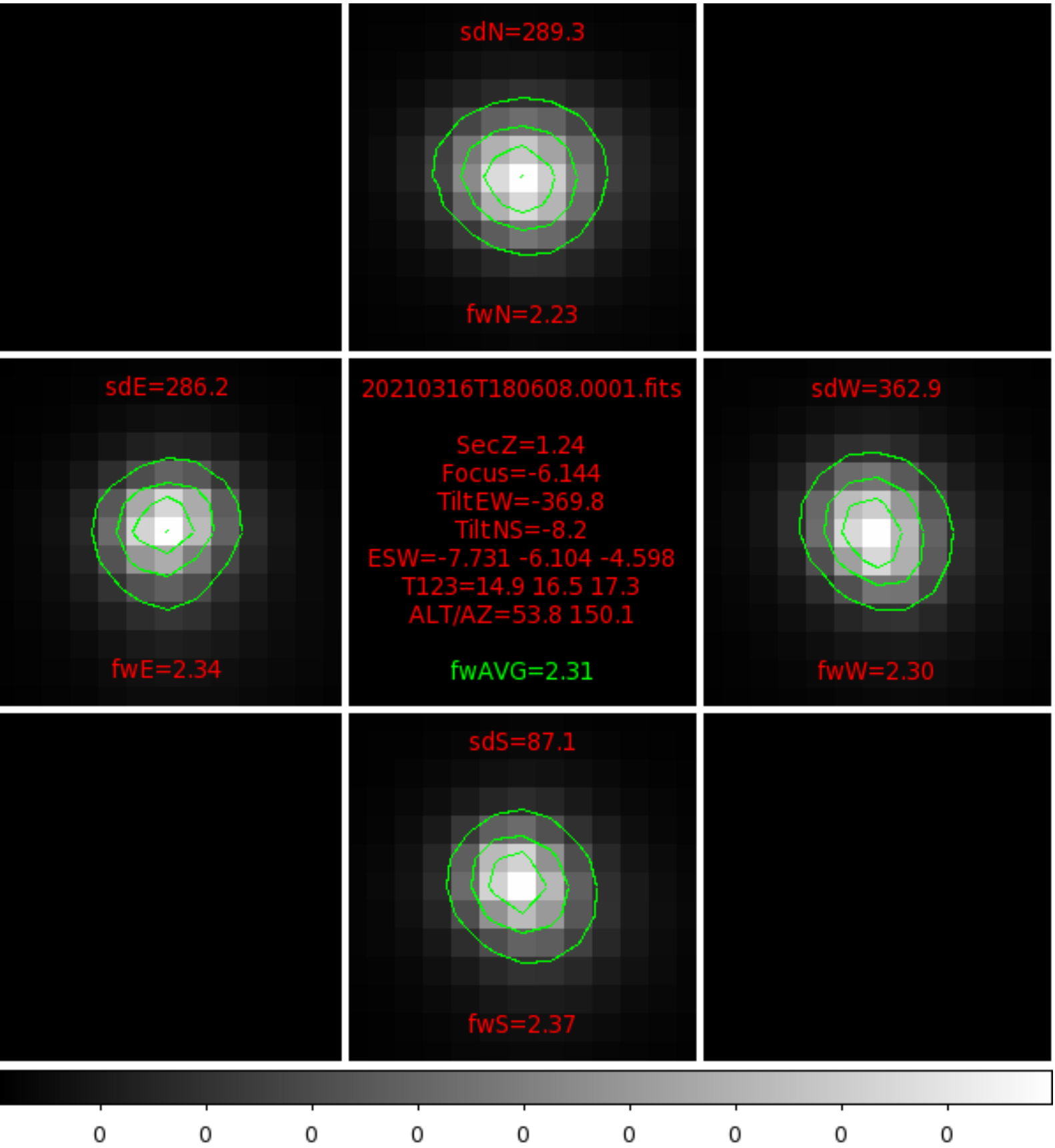
sdN=289.3
fwN=2.23
sdE=286.2
fwE=2.34
20210316T180608.0001.fits
SecZ=1.24
Focus=-6.144
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.731 -6.104 -4.598
T123=14.9 16.5 17.3
ALT/AZ=53.8 150.1
fwAVG=2.31
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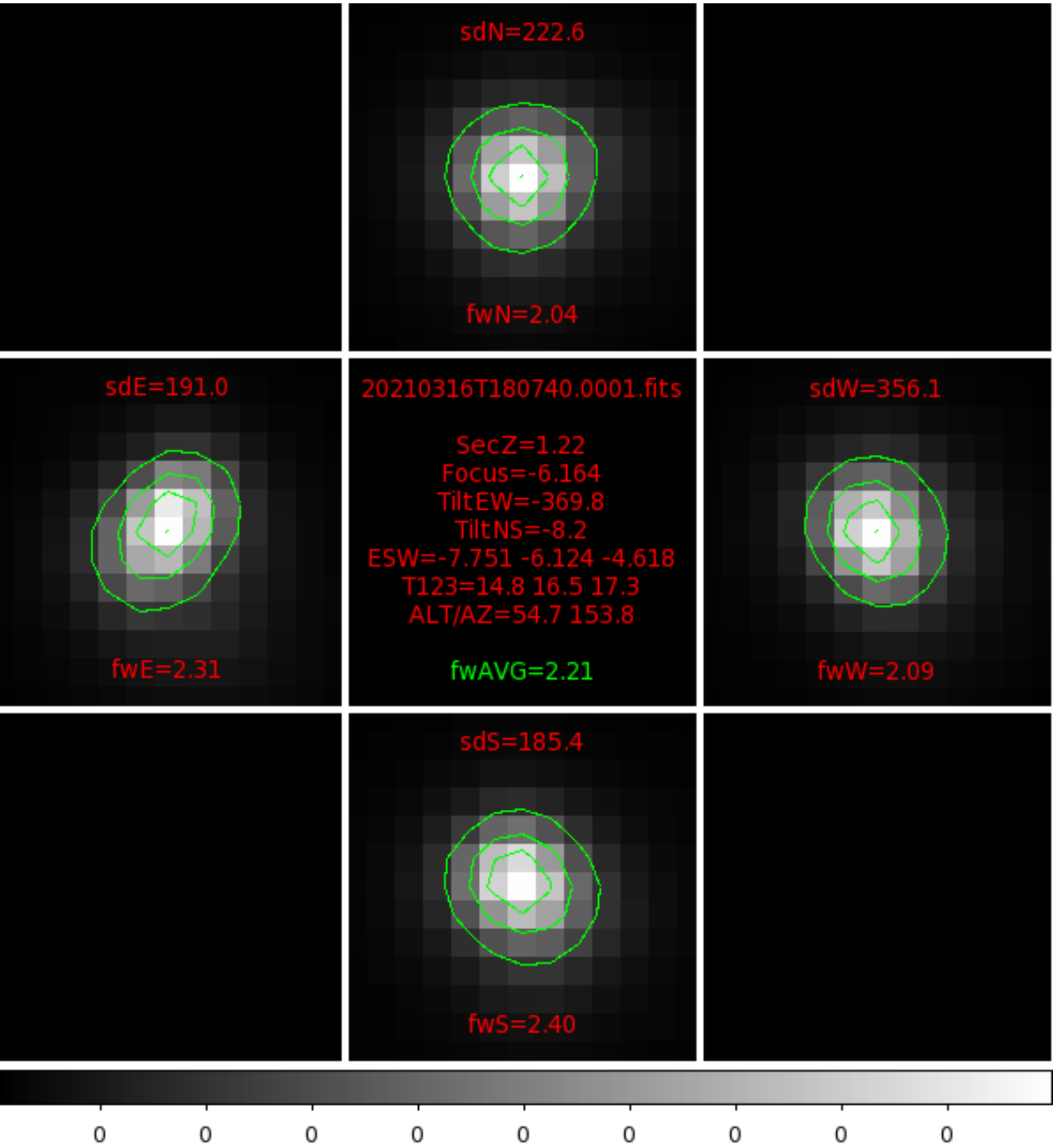
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20210316T180740.0001.fits
SecZ=1.22
Focus=-6.164
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.751 -6.124 -4.618
T123=14.8 16.5 17.3
ALT/AZ=54.7 153.8
fwAVG=2.21
sdW=356.1
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sdS=185.4
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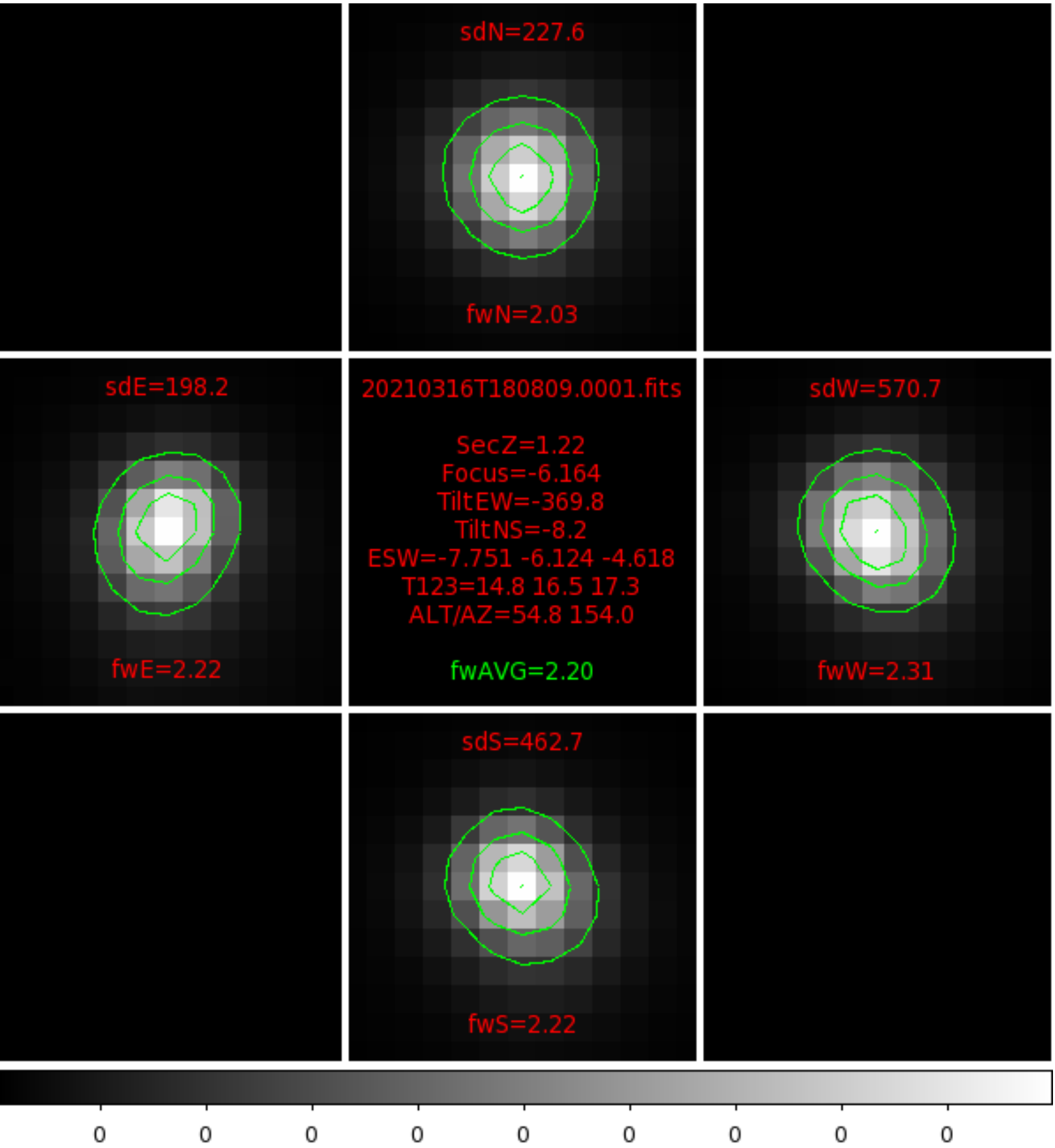
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SecZ=1.22
Focus=-6.164
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.751 -6.124 -4.618
T123=14.8 16.5 17.3
ALT/AZ=54.8 154.0
fwAVG=2.20
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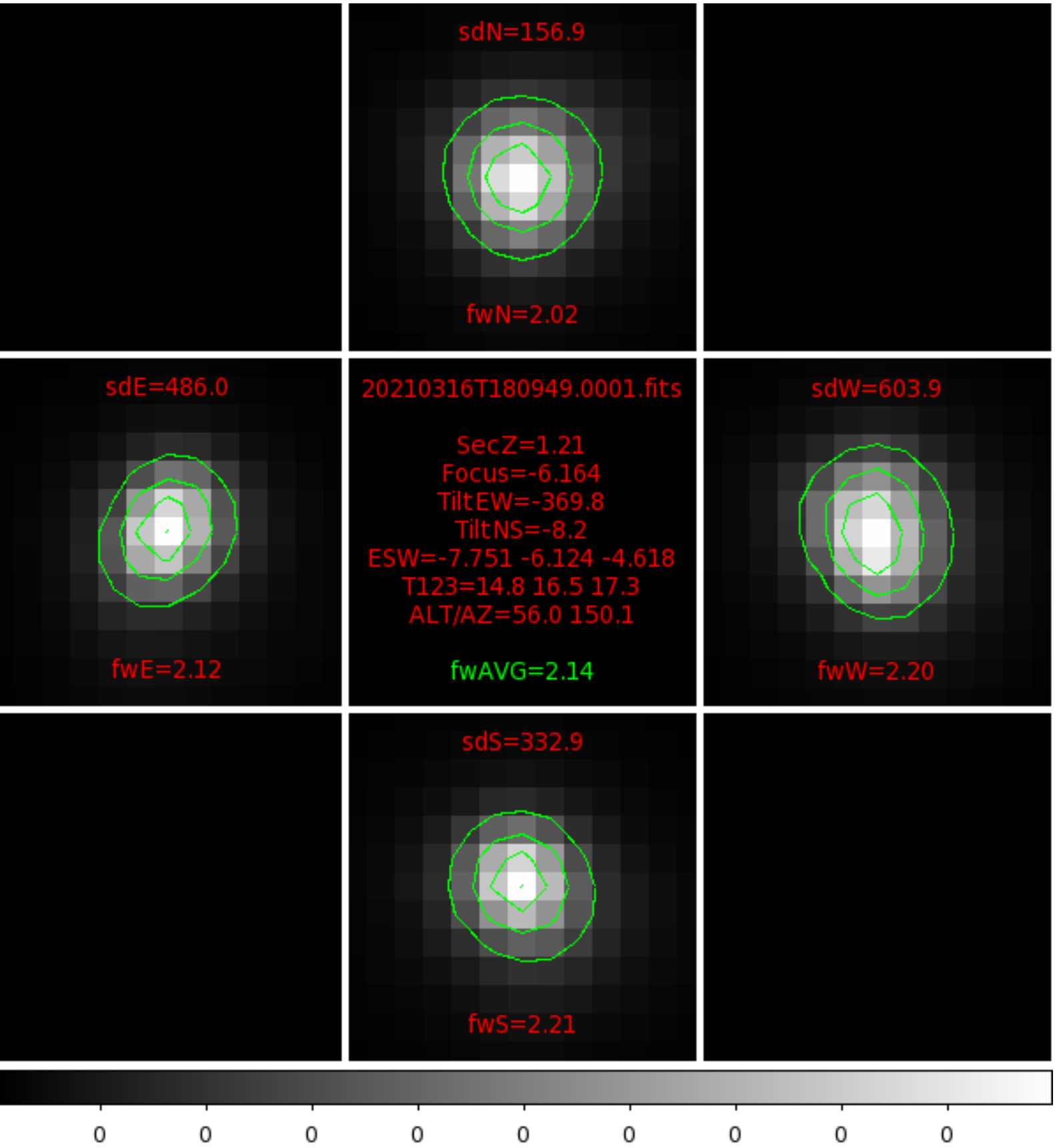
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Focus=-6.164
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.751 -6.124 -4.618
T123=14.8 16.5 17.3
ALT/AZ=56.0 150.1
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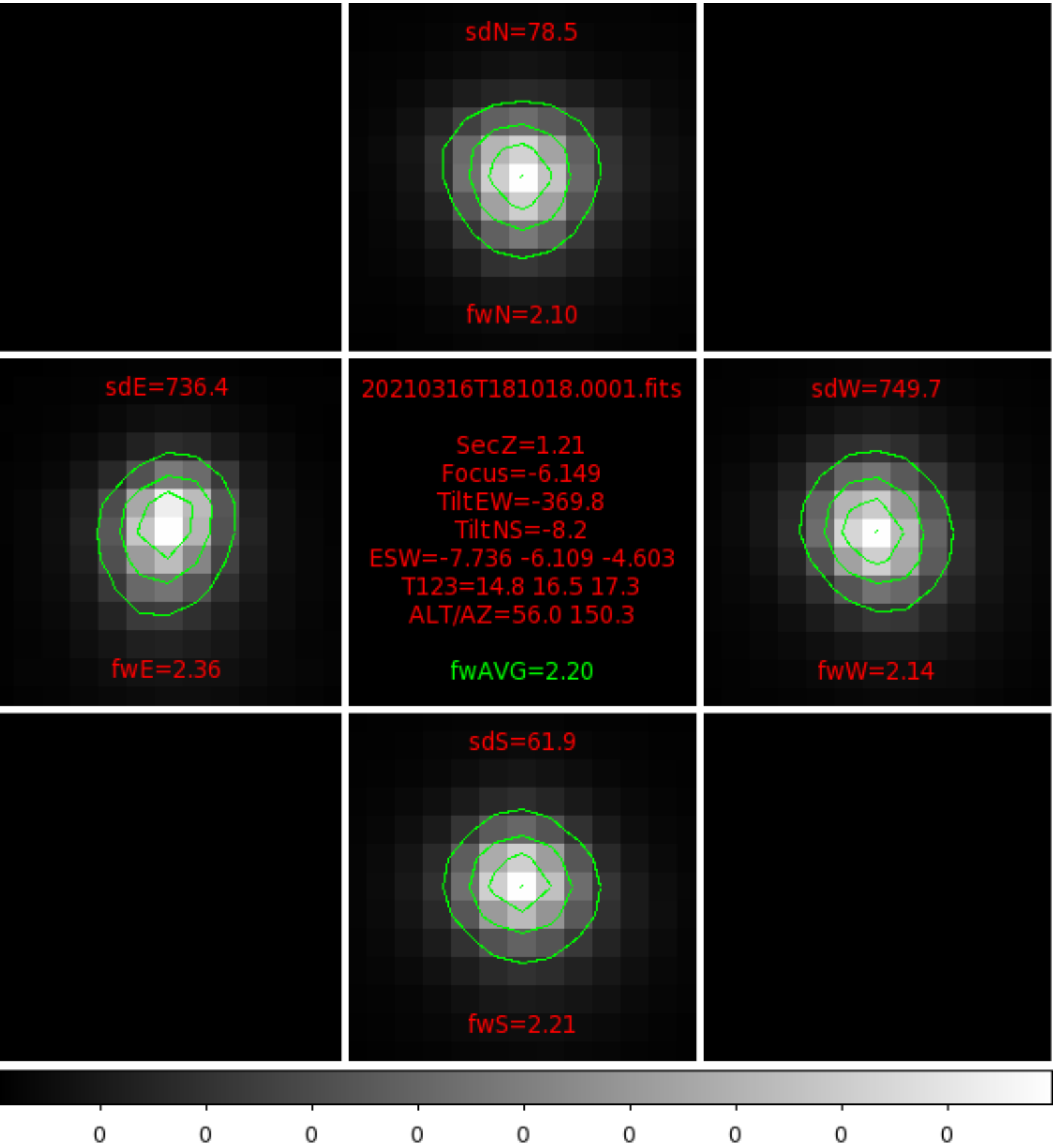
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sdE=736.4
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20210316T181018.0001.fits
SecZ=1.21
Focus=-6.149
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.736 -6.109 -4.603
T123=14.8 16.5 17.3
ALT/AZ=56.0 150.3
fwAVG=2.20
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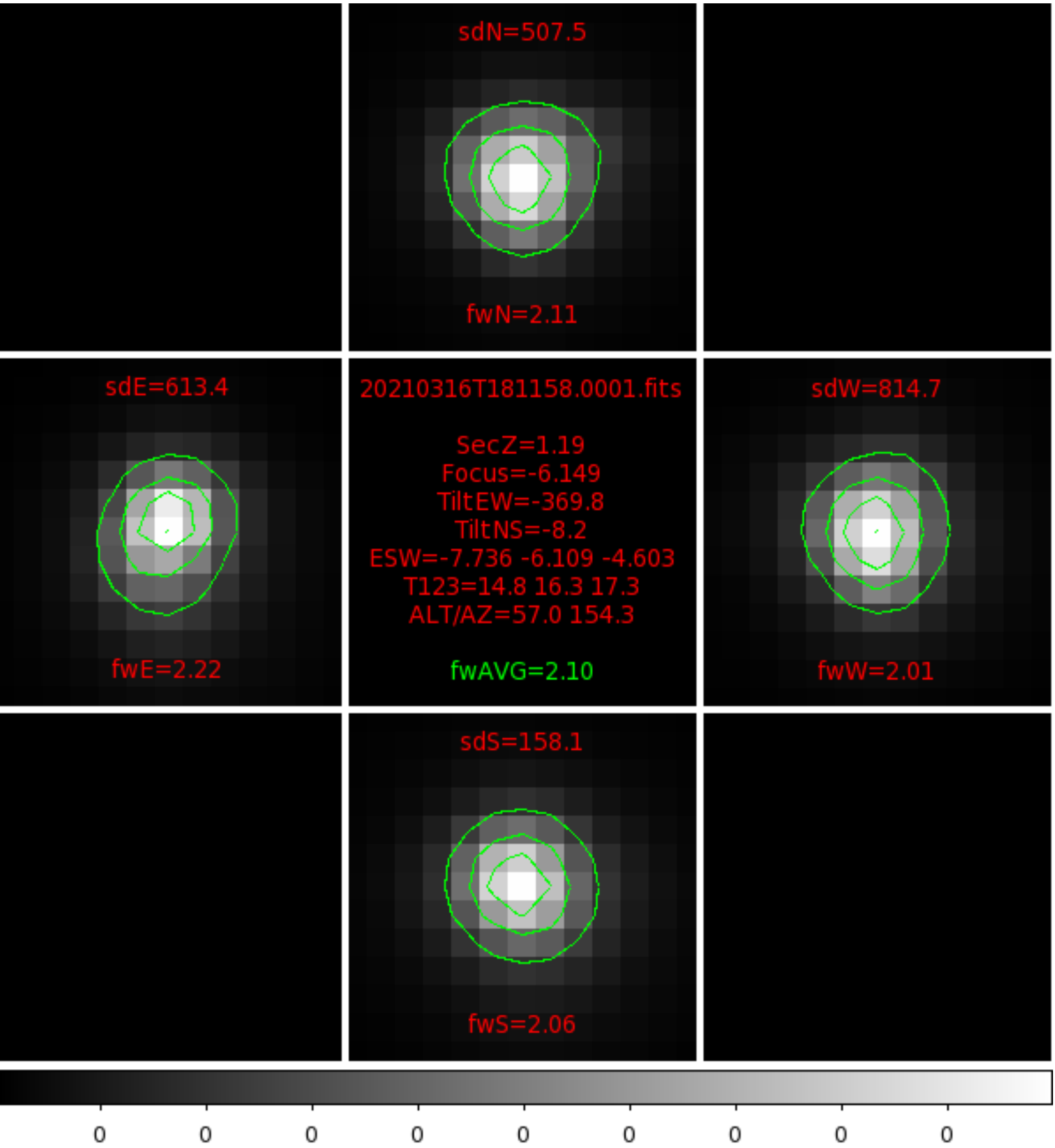
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SecZ=1.19
Focus=-6.149
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.736 -6.109 -4.603
T123=14.8 16.3 17.3
ALT/AZ=57.0 154.3
fwAVG=2.10
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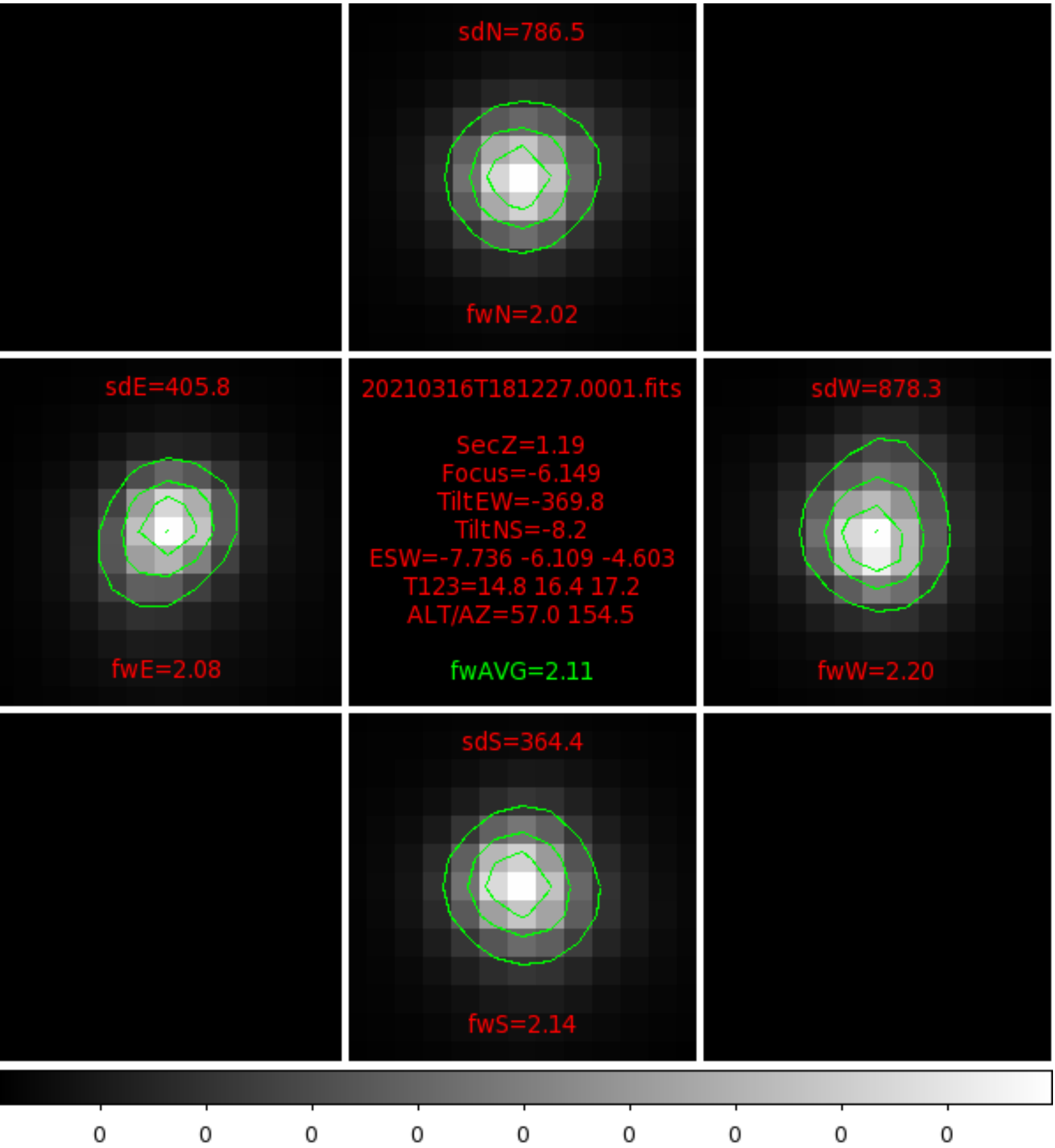
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SecZ=1.19
Focus=-6.149
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.736 -6.109 -4.603
T123=14.8 16.4 17.2
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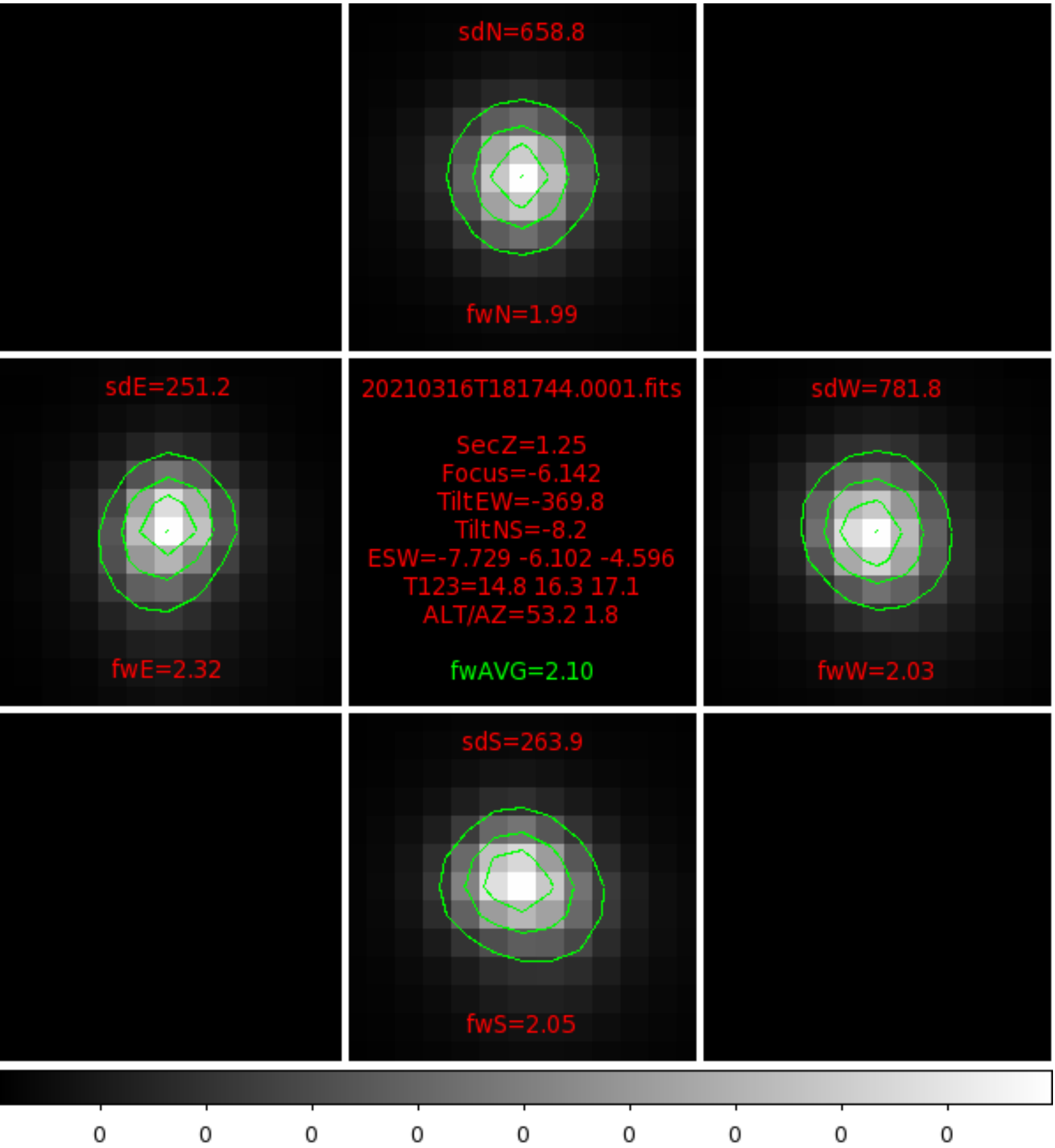
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SecZ=1.25
Focus=-6.142
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.729 -6.102 -4.596
T123=14.8 16.3 17.1
ALT/AZ=53.2 1.8
fwAVG=2.10
sdW=781.8
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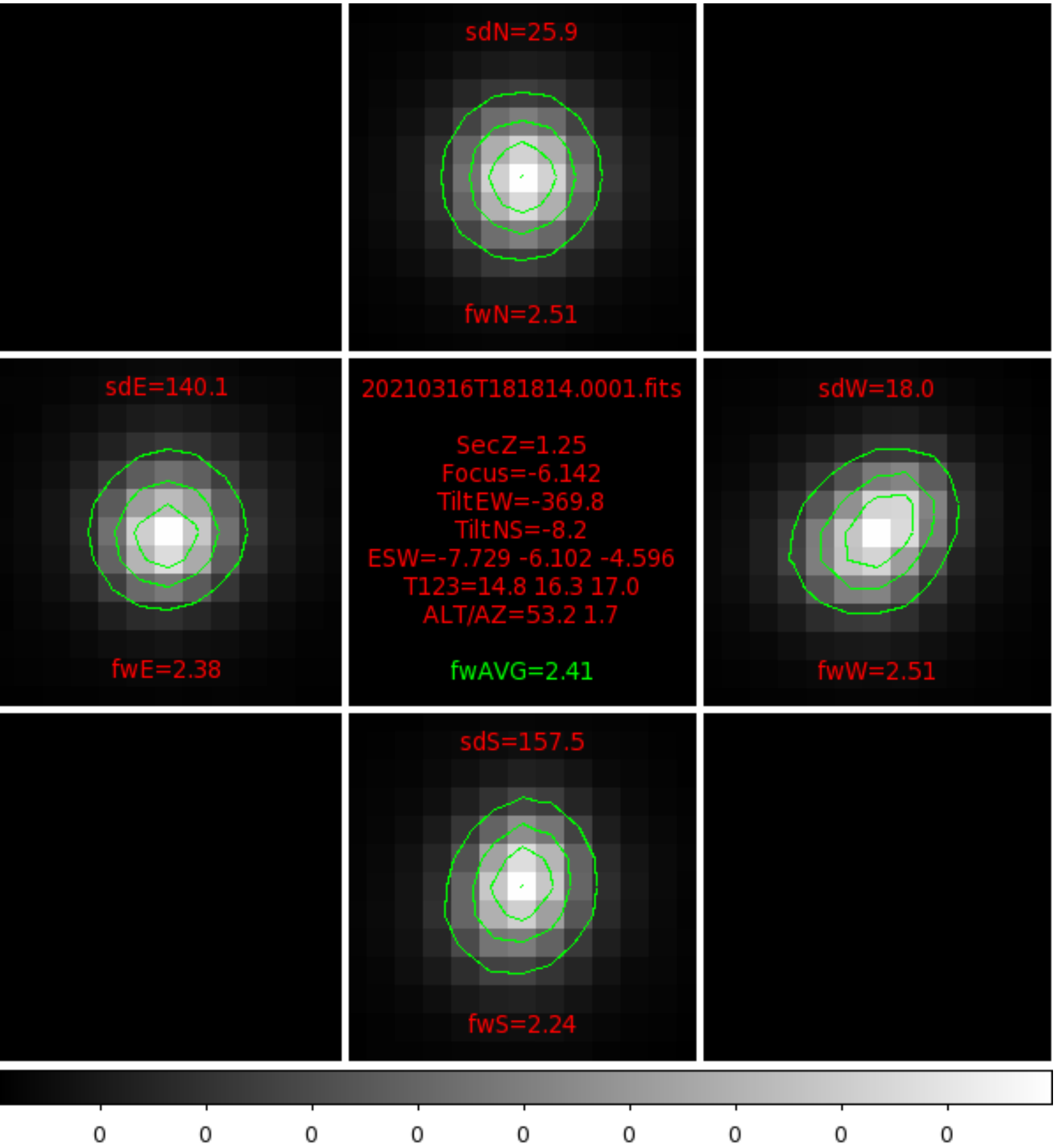
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SecZ=1.25
Focus=-6.142
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.729 -6.102 -4.596
T123=14.8 16.3 17.0
ALT/AZ=53.2 1.7
fwAVG=2.41
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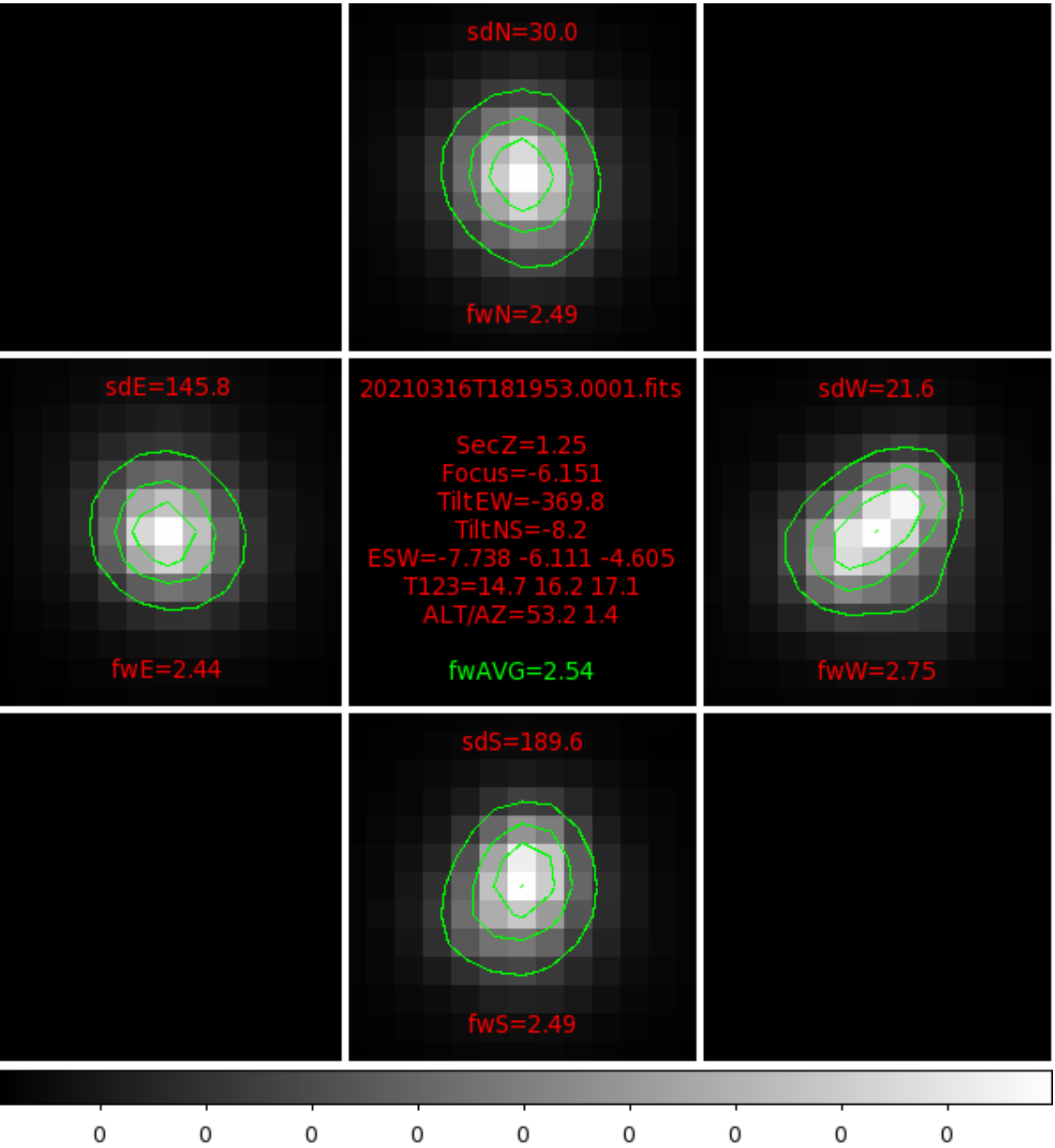
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sdE=145.8
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SecZ=1.25
Focus=-6.151
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.738 -6.111 -4.605
T123=14.7 16.2 17.1
ALT/AZ=53.2 1.4
fwAVG=2.54
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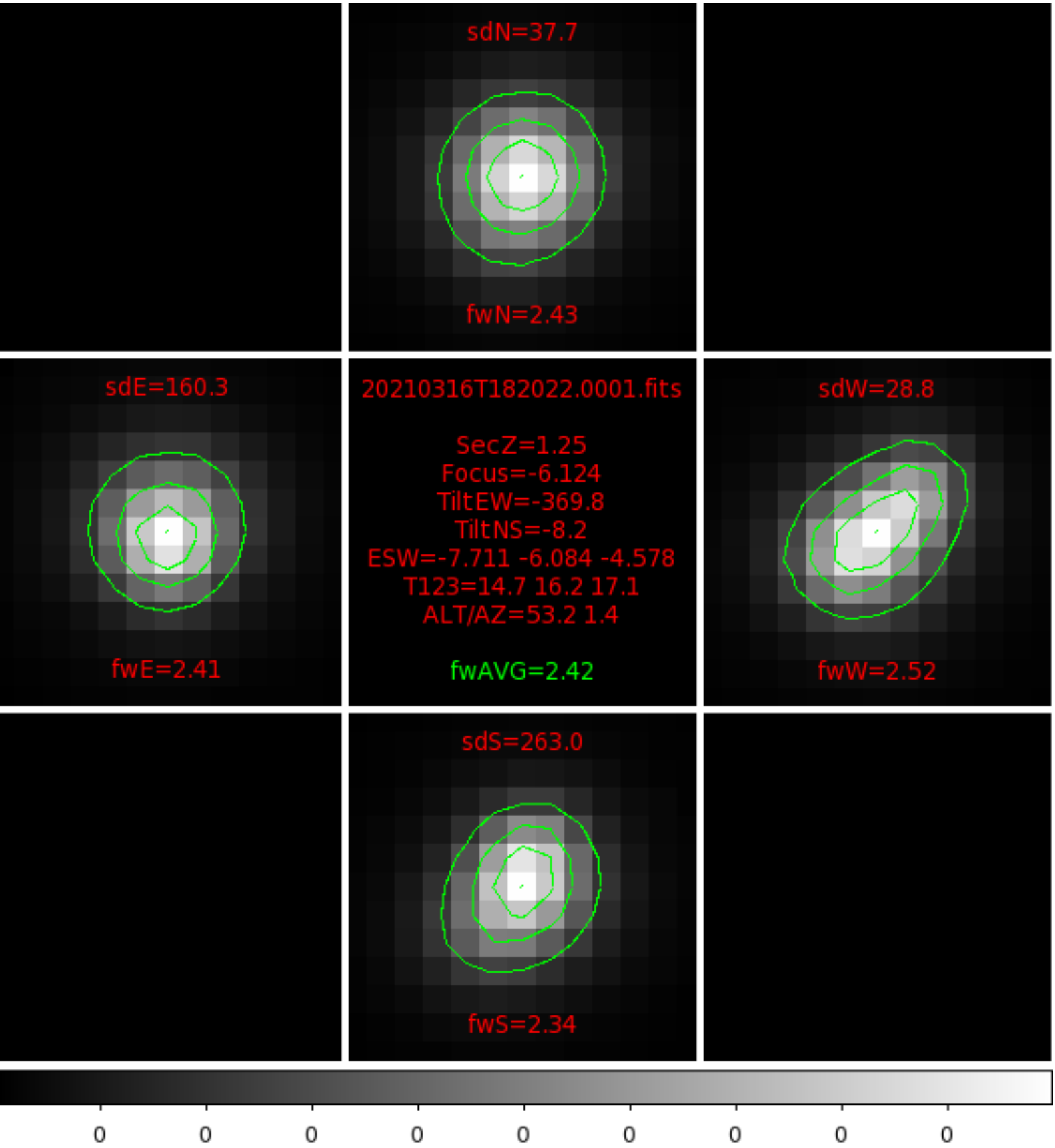
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sdE=160.3
fwE=2.41
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SecZ=1.25
Focus=-6.124
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.711 -6.084 -4.578
T123=14.7 16.2 17.1
ALT/AZ=53.2 1.4
fwAVG=2.42
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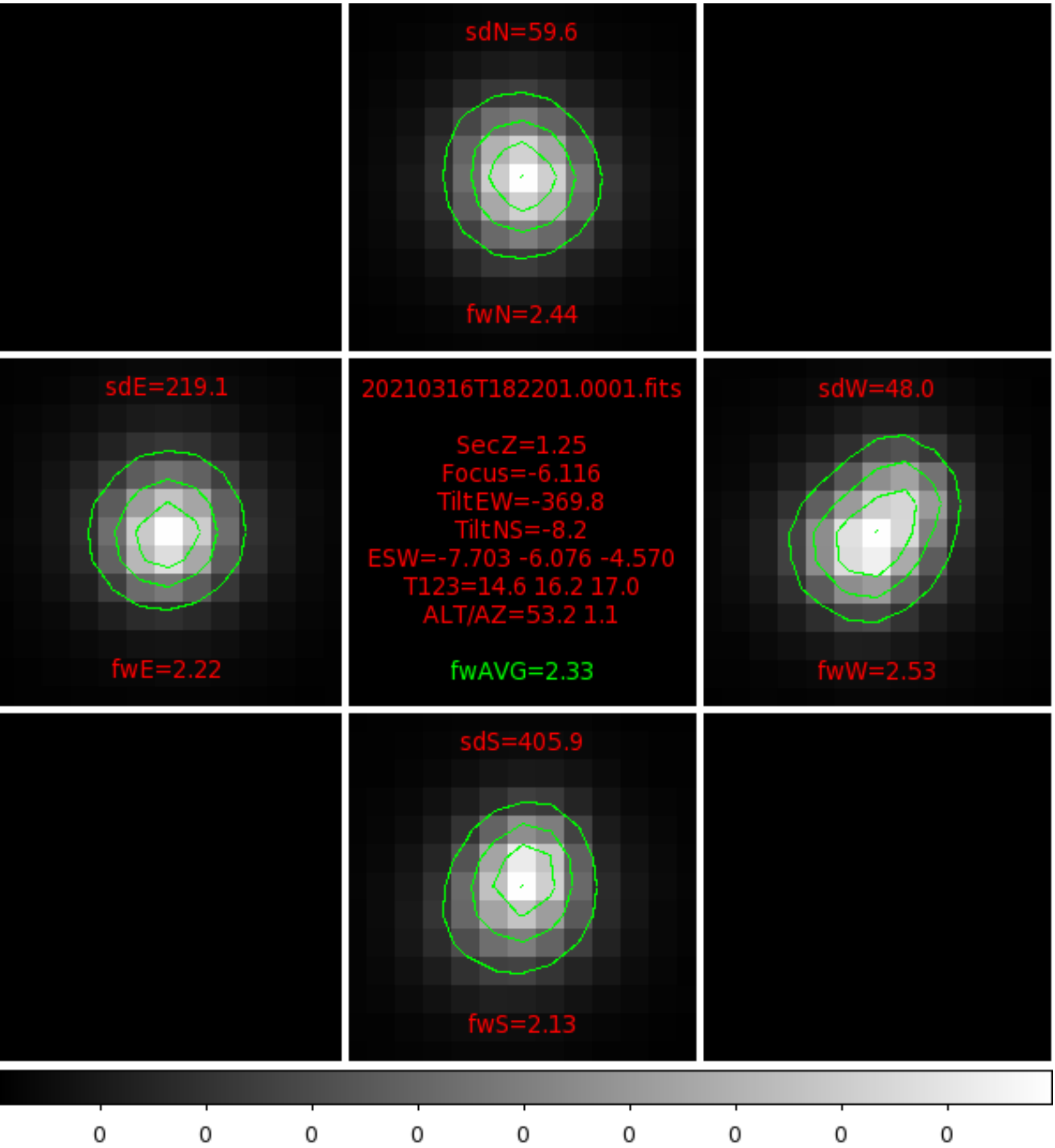
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sdE=219.1
fwE=2.22
20210316T182201.0001.fits
SecZ=1.25
Focus=-6.116
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.703 -6.076 -4.570
T123=14.6 16.2 17.0
ALT/AZ=53.2 1.1
fwAVG=2.33
sdW=48.0
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sdS=405.9
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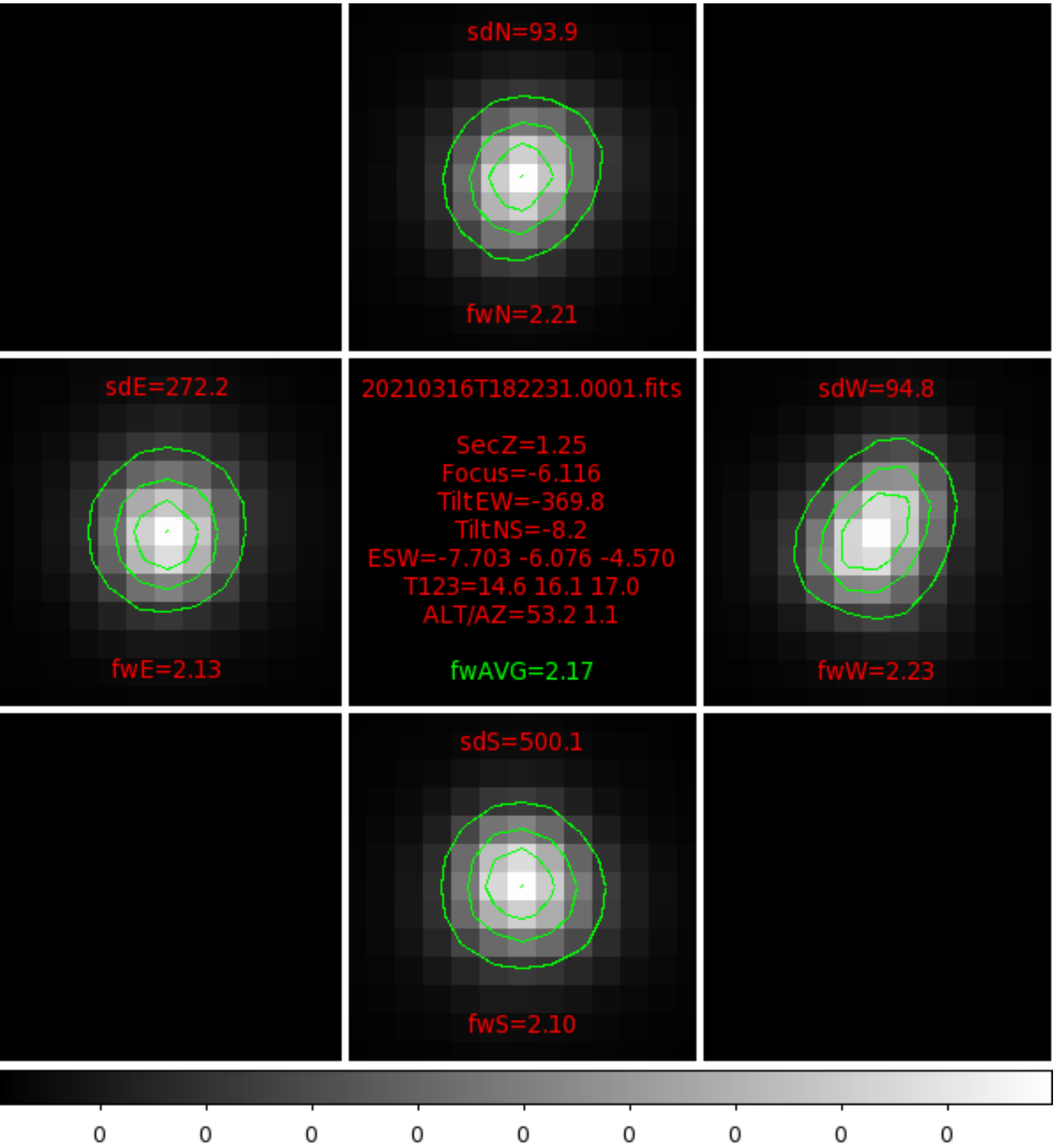
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SecZ=1.25
Focus=-6.116
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.703 -6.076 -4.570
T123=14.6 16.1 17.0
ALT/AZ=53.2 1.1
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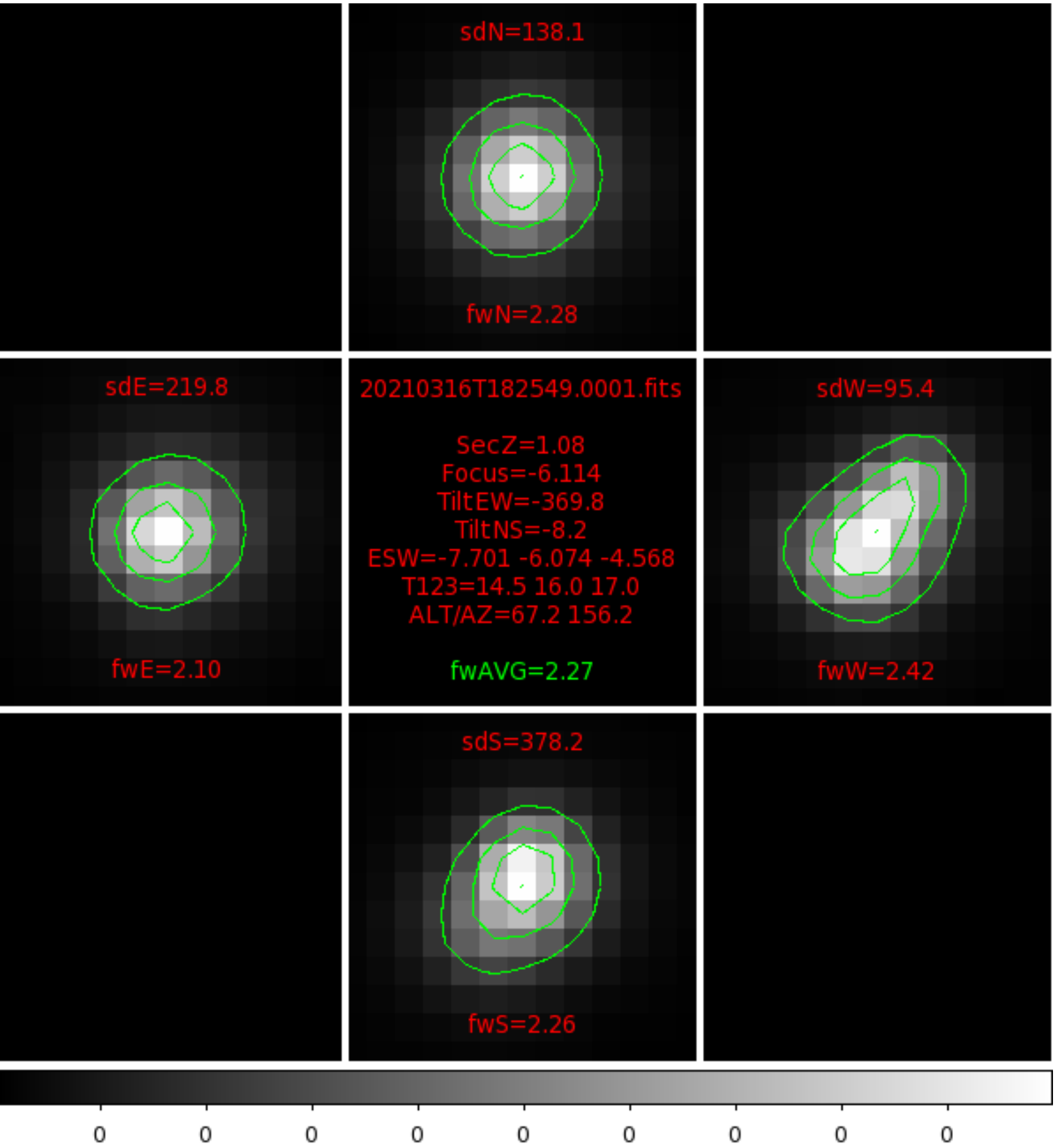
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20210316T182549.0001.fits
SecZ=1.08
Focus=-6.114
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.701 -6.074 -4.568
T123=14.5 16.0 17.0
ALT/AZ=67.2 156.2
fwAVG=2.27
sdW=95.4
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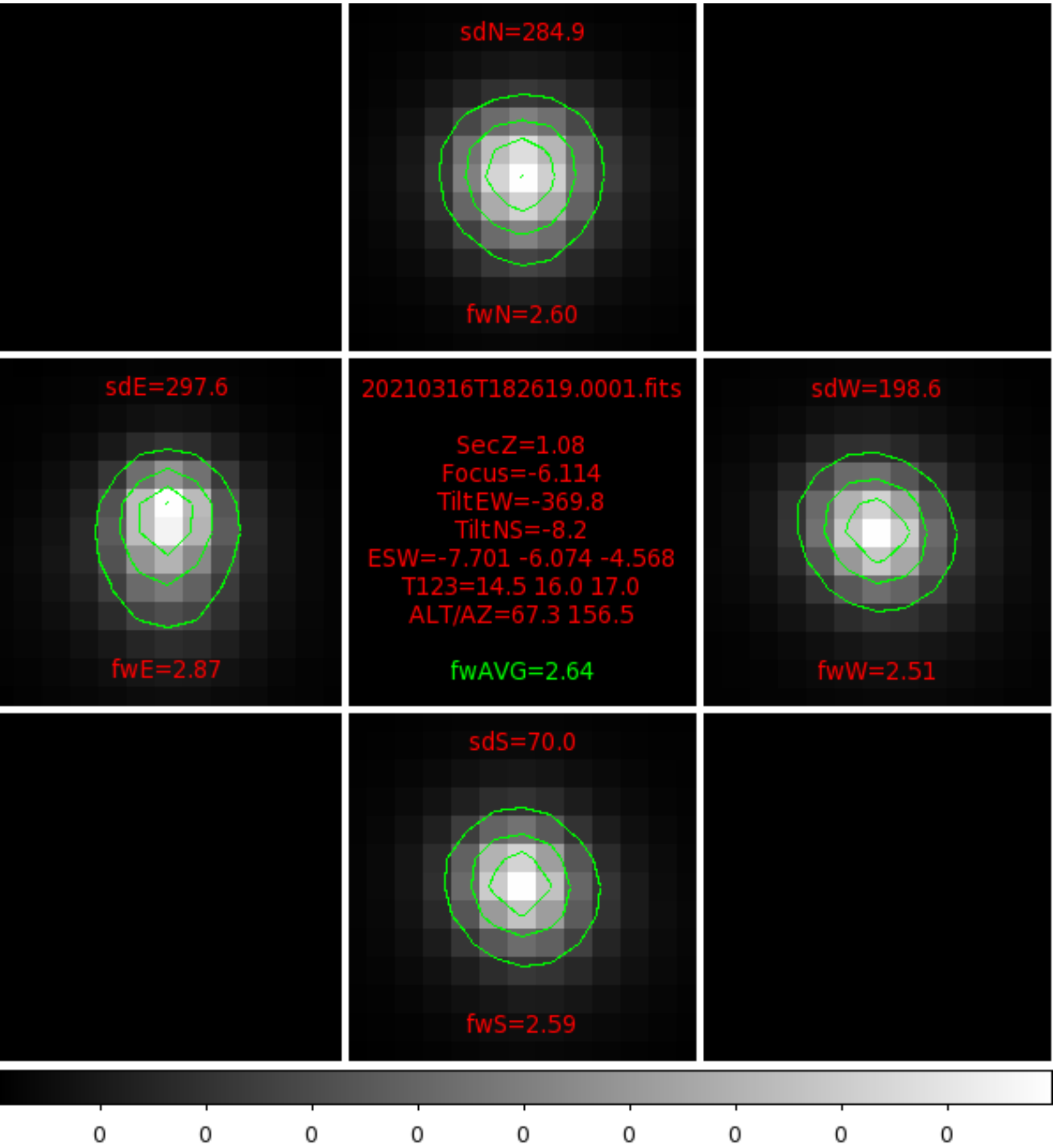
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SecZ=1.08
Focus=-6.114
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.701 -6.074 -4.568
T123=14.5 16.0 17.0
ALT/AZ=67.3 156.5
fwAVG=2.64
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sdS=70.0
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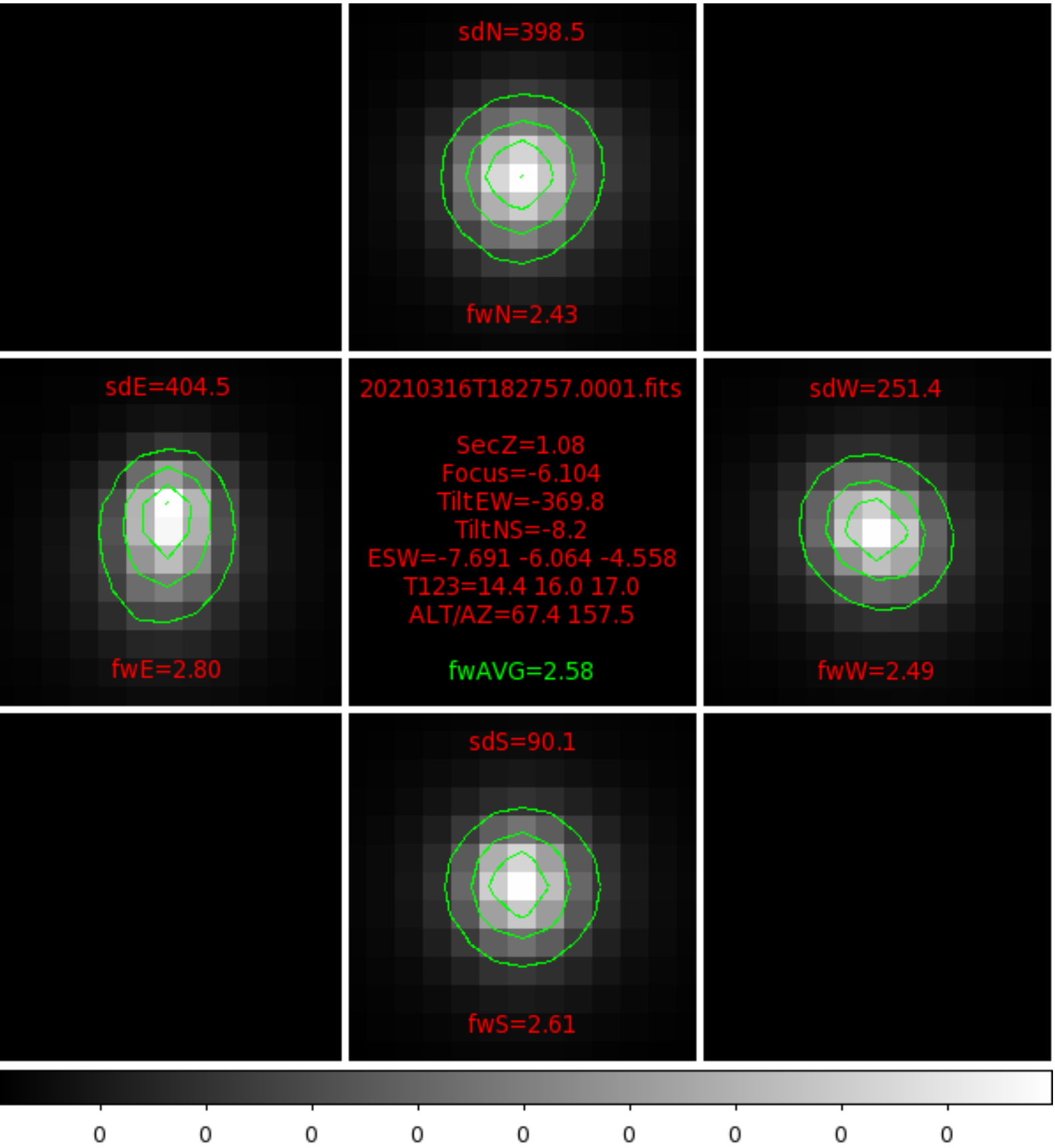
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fwN=2.43
sdE=404.5
fwE=2.80
20210316T182757.0001.fits
SecZ=1.08
Focus=-6.104
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.691 -6.064 -4.558
T123=14.4 16.0 17.0
ALT/AZ=67.4 157.5
fwAVG=2.58
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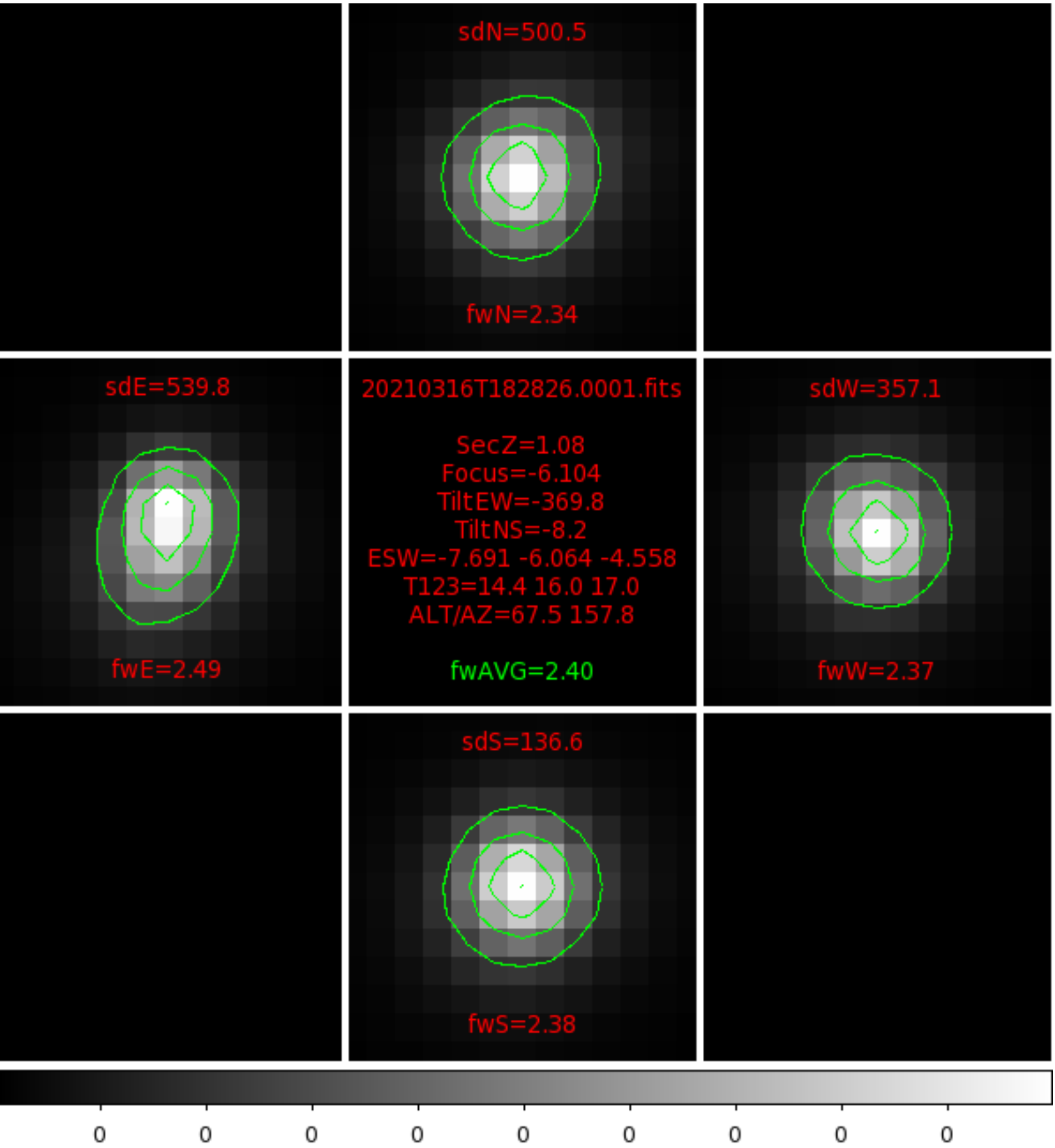
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SecZ=1.08
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.691 -6.064 -4.558
T123=14.4 16.0 17.0
ALT/AZ=67.5 157.8
fwAVG=2.40
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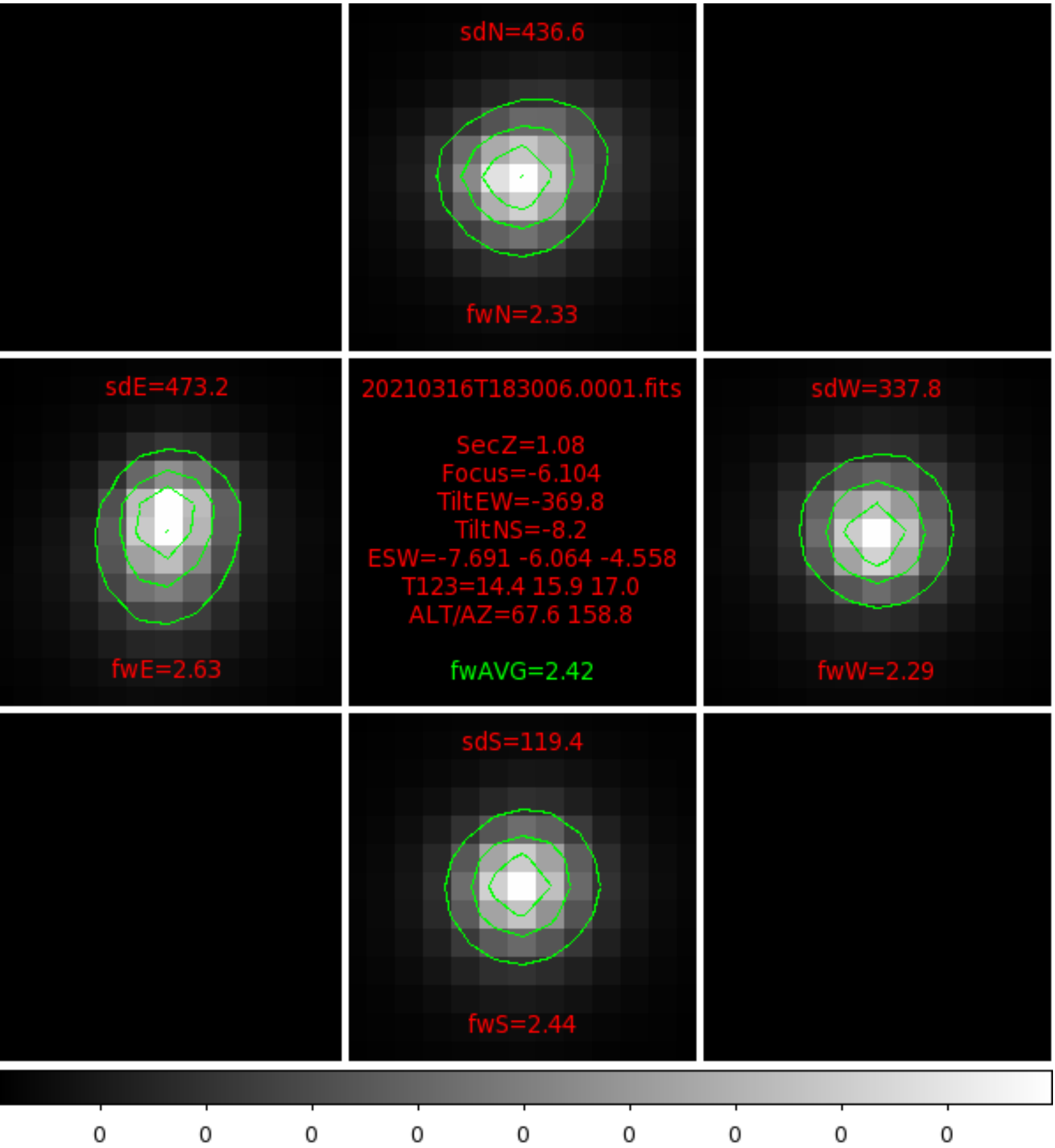
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sdE=473.2
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SecZ=1.08
Focus=-6.104
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.691 -6.064 -4.558
T123=14.4 15.9 17.0
ALT/AZ=67.6 158.8
fwAVG=2.42
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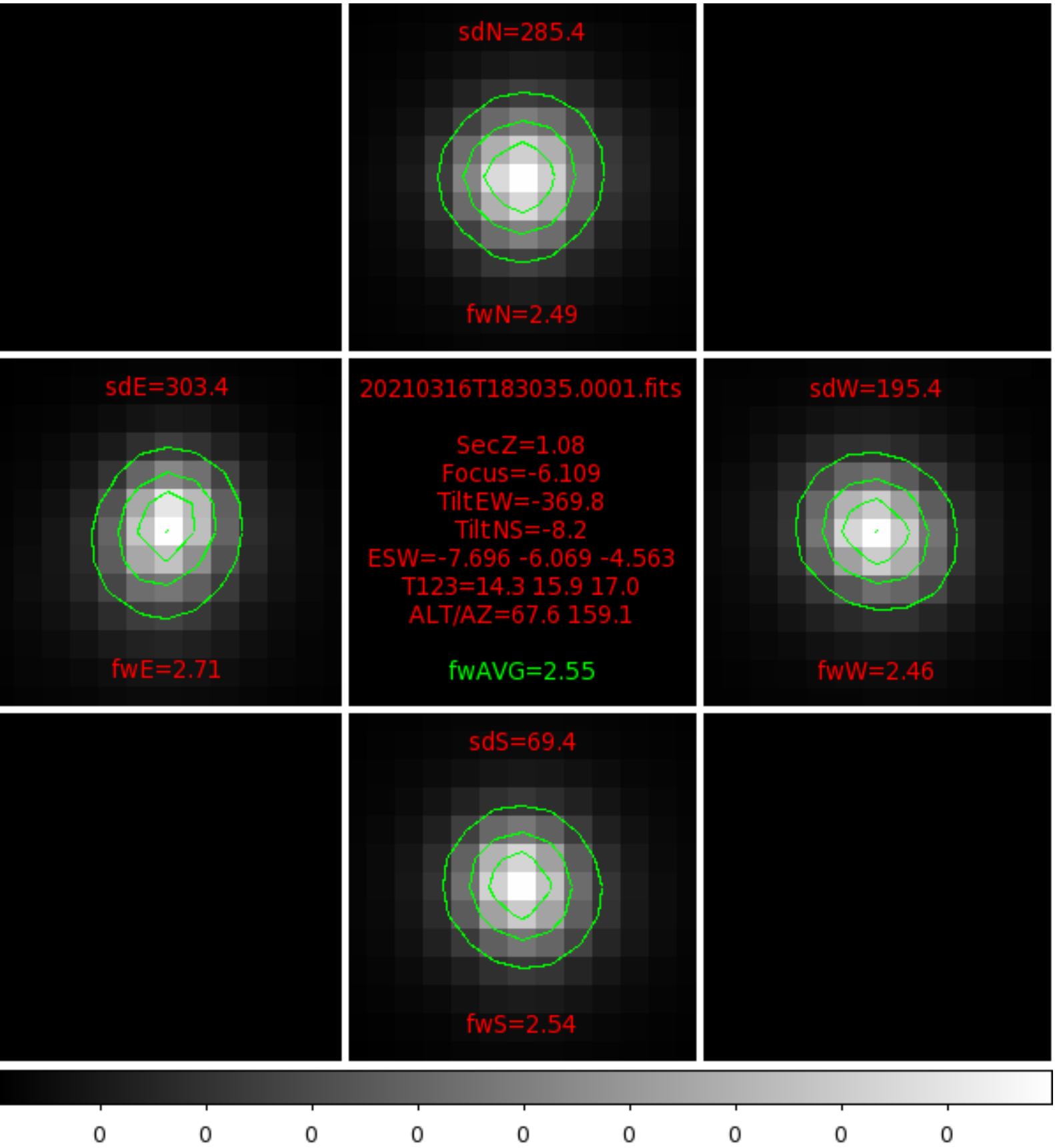
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sdE=303.4
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SecZ=1.08
Focus=-6.109
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=14.3 15.9 17.0
ALT/AZ=67.6 159.1
fwAVG=2.55
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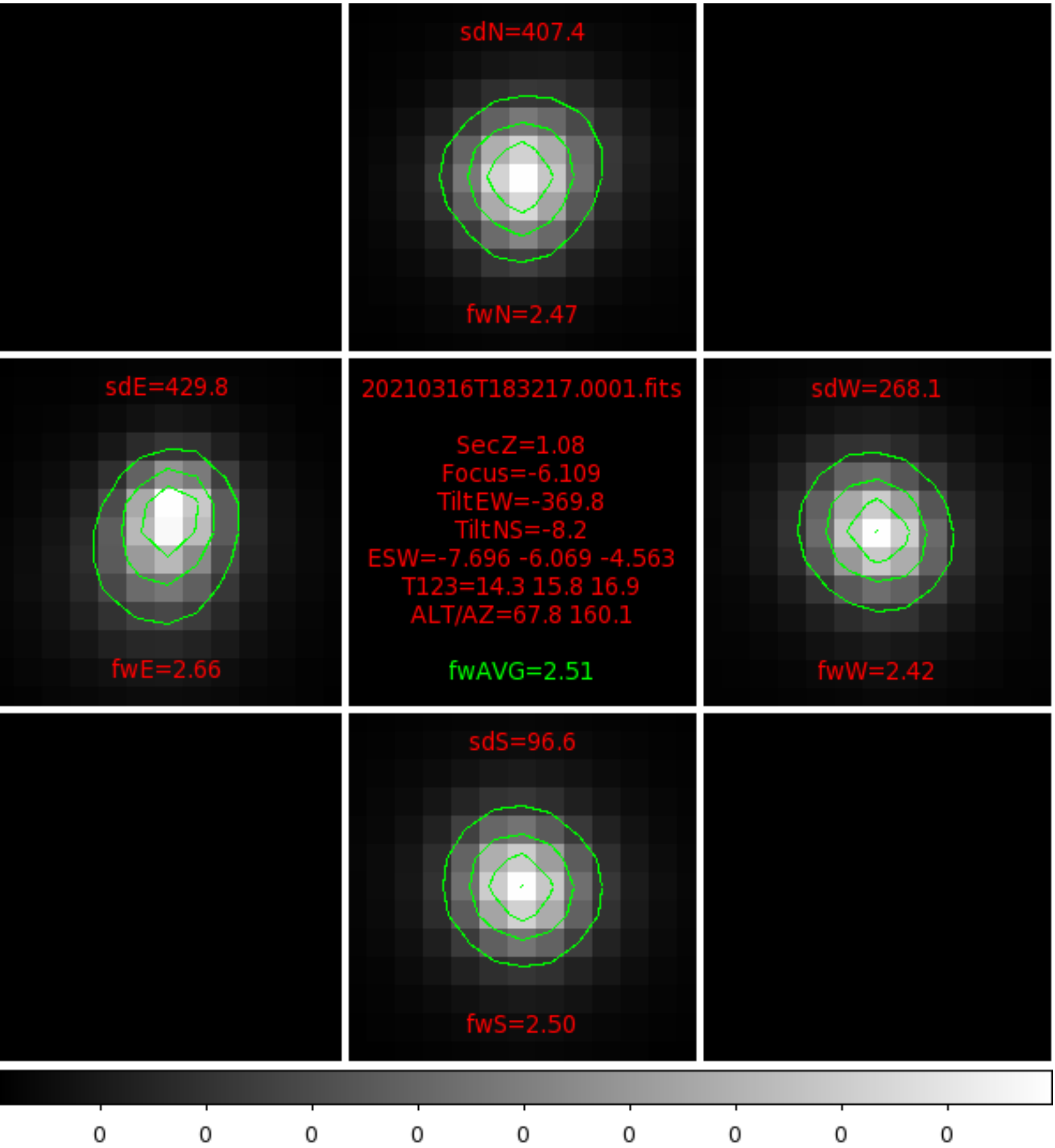
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sdE=429.8
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SecZ=1.08
Focus=-6.109
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=14.3 15.8 16.9
ALT/AZ=67.8 160.1
fwAVG=2.51
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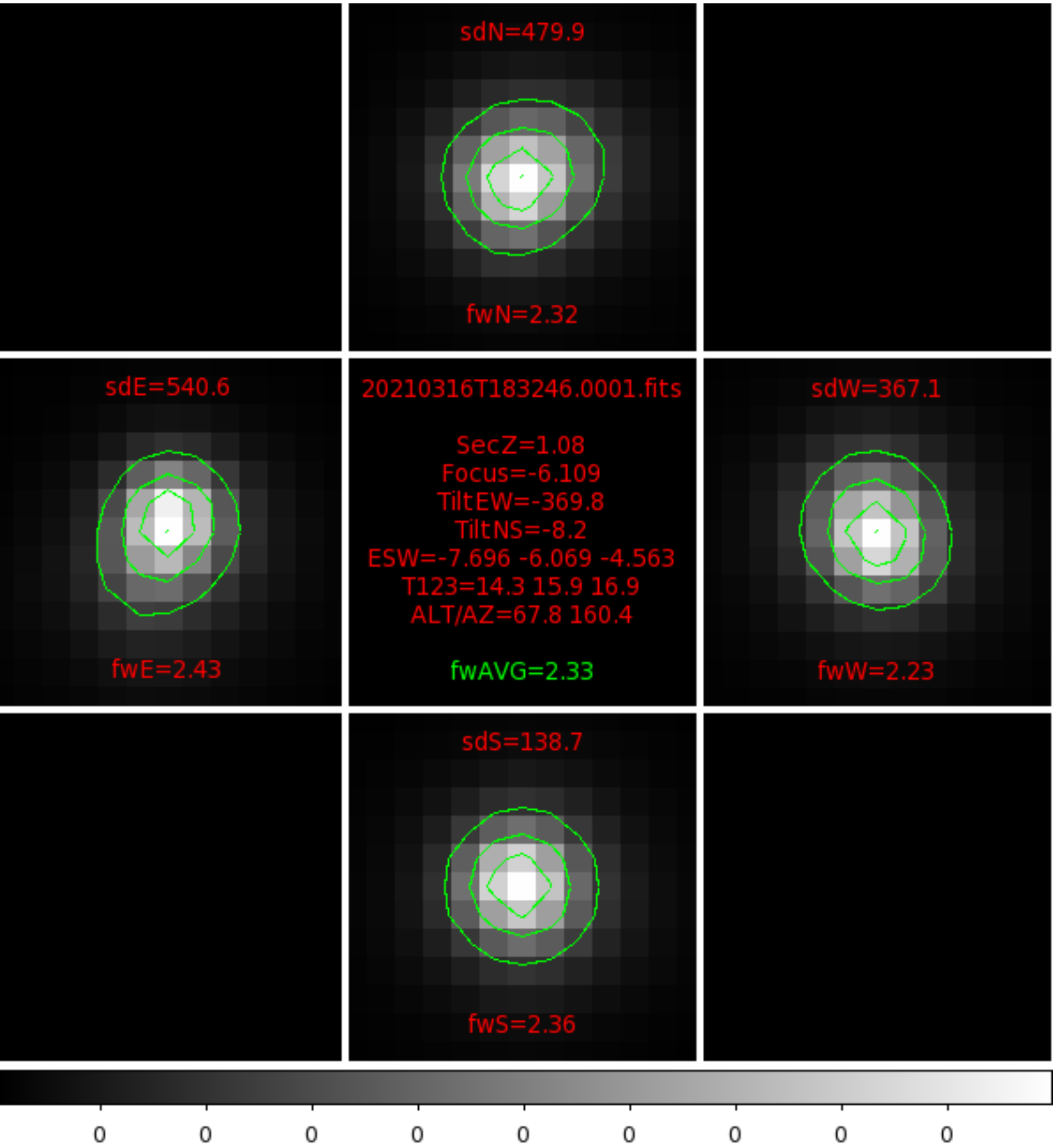
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SecZ=1.08
Focus=-6.109
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=14.3 15.9 16.9
ALT/AZ=67.8 160.4
fwAVG=2.33
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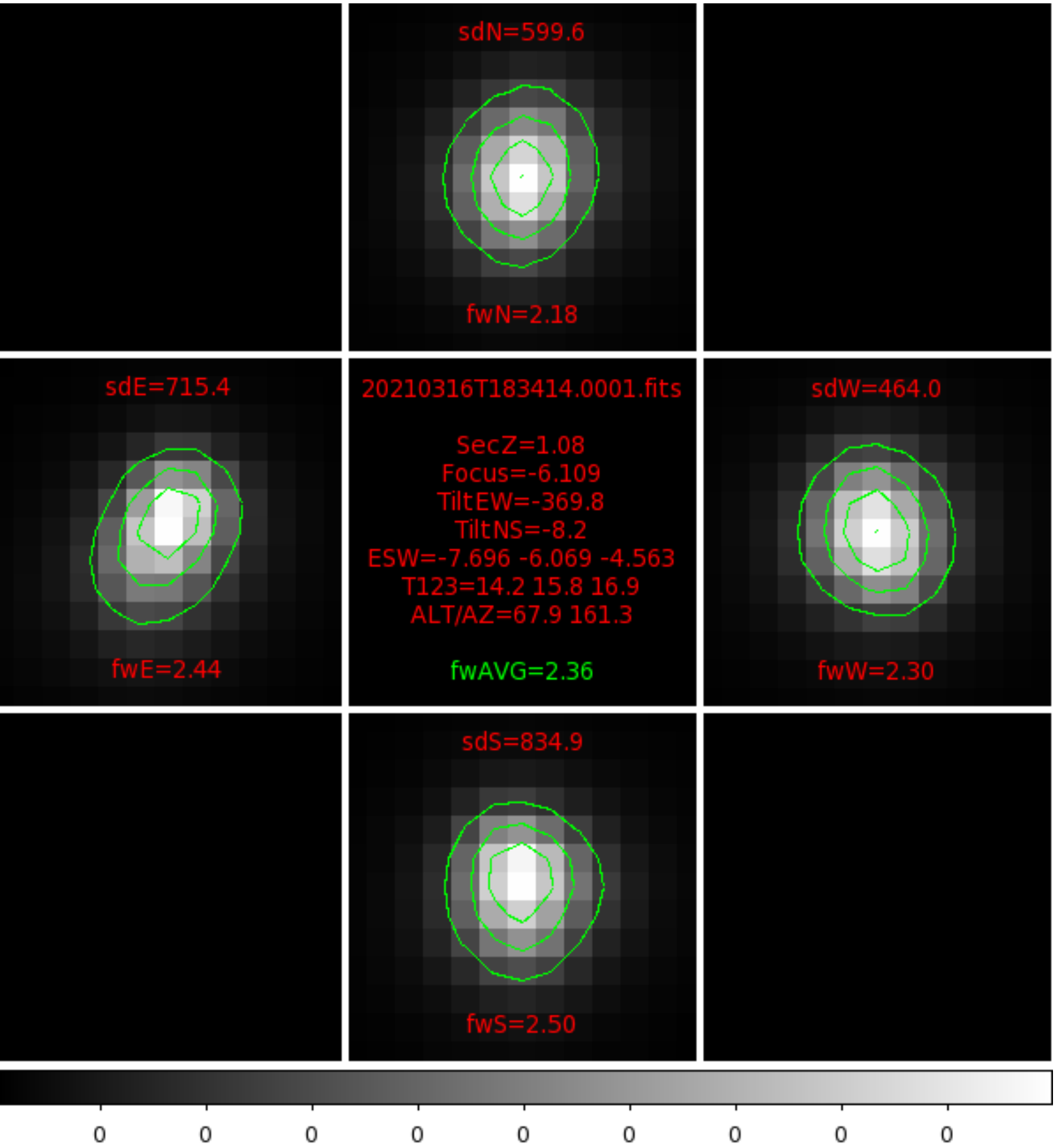
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SecZ=1.08
Focus=-6.109
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.696 -6.069 -4.563
T123=14.2 15.8 16.9
ALT/AZ=67.9 161.3
fwAVG=2.36
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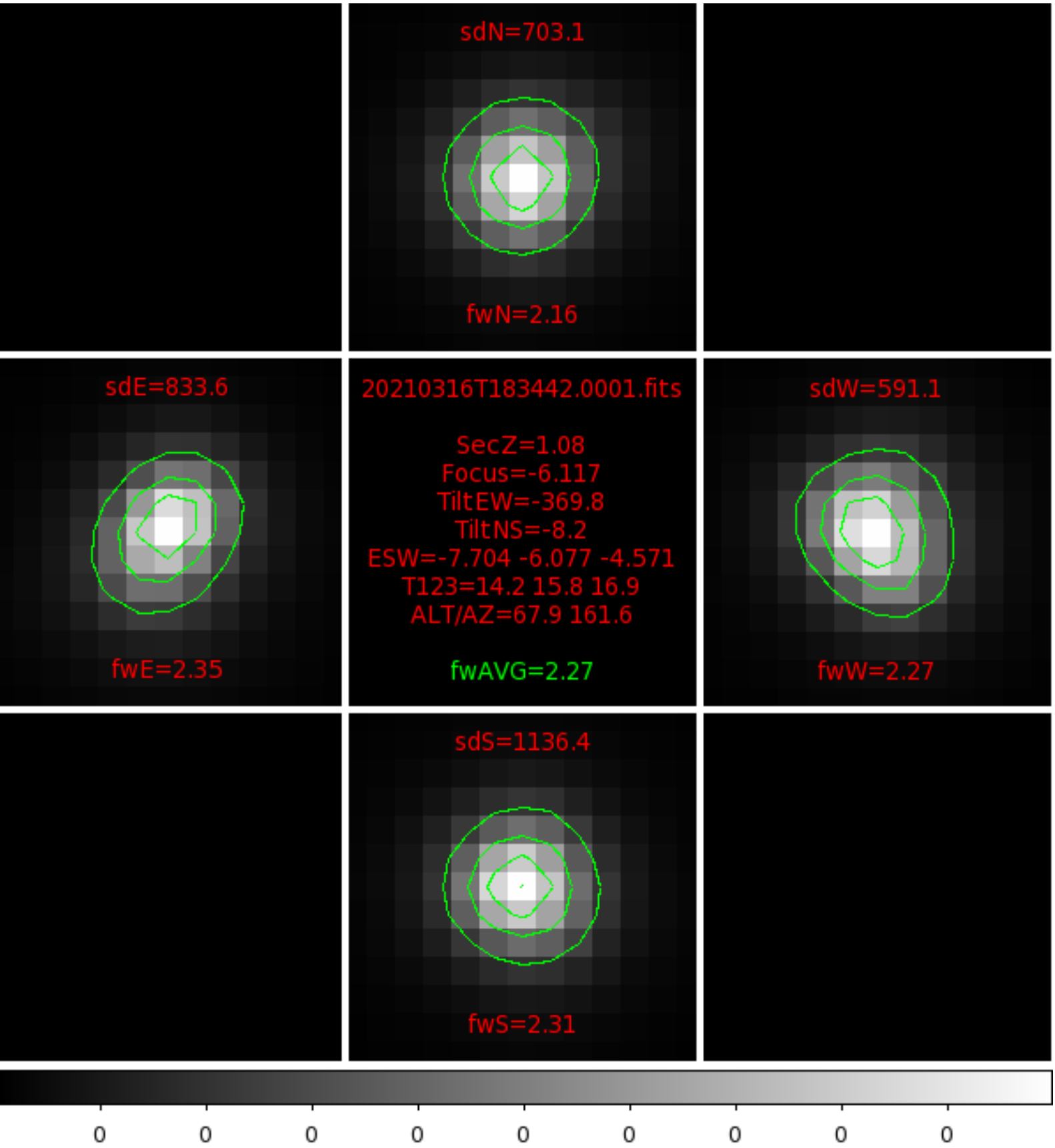
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20210316T183442.0001.fits
SecZ=1.08
Focus=-6.117
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.704 -6.077 -4.571
T123=14.2 15.8 16.9
ALT/AZ=67.9 161.6
fwAVG=2.27
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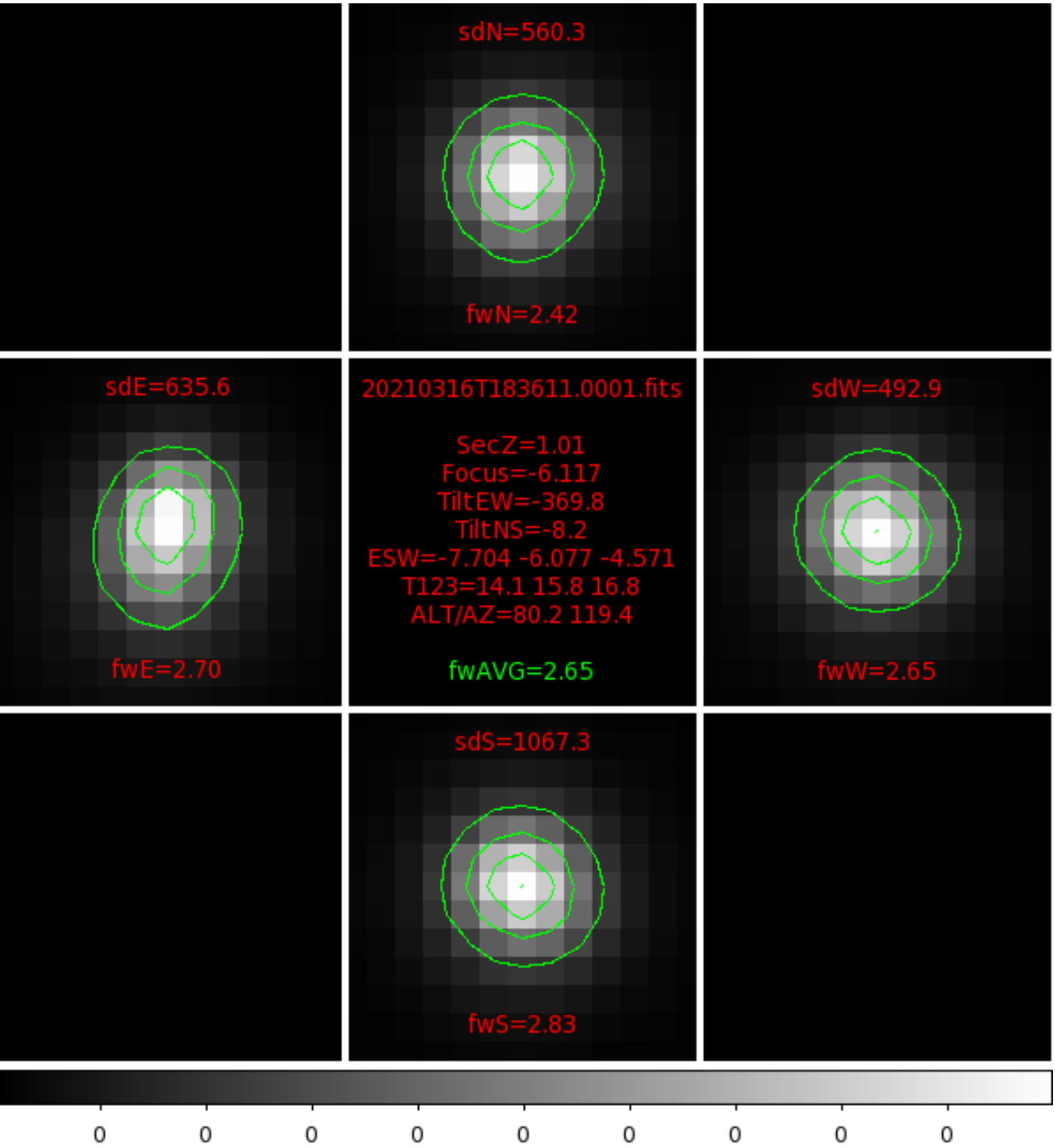
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.704 -6.077 -4.571
T123=14.1 15.8 16.8
ALT/AZ=80.2 119.4
fwAVG=2.65
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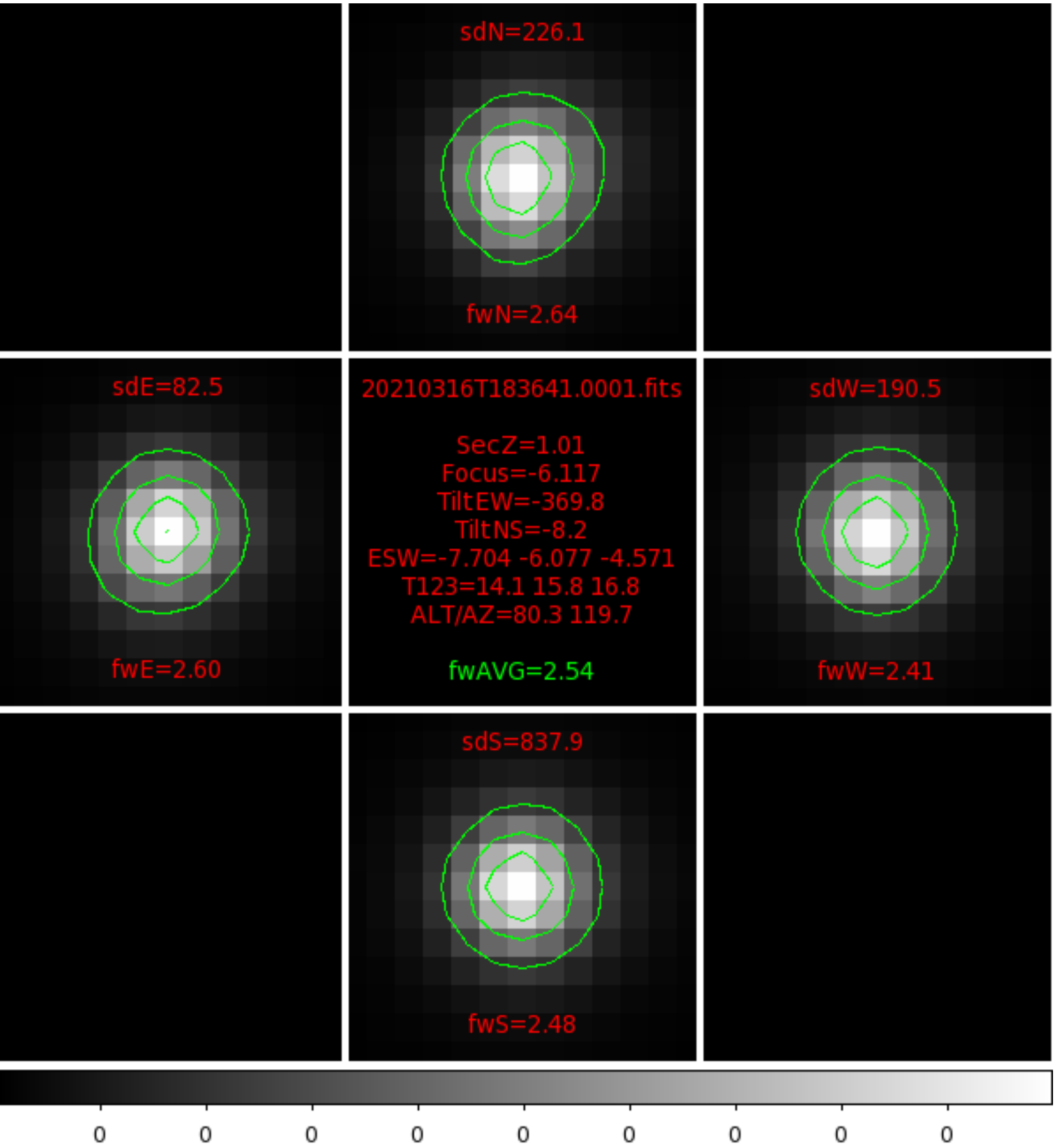
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SecZ=1.01
Focus=-6.117
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.704 -6.077 -4.571
T123=14.1 15.8 16.8
ALT/AZ=80.3 119.7
fwAVG=2.54
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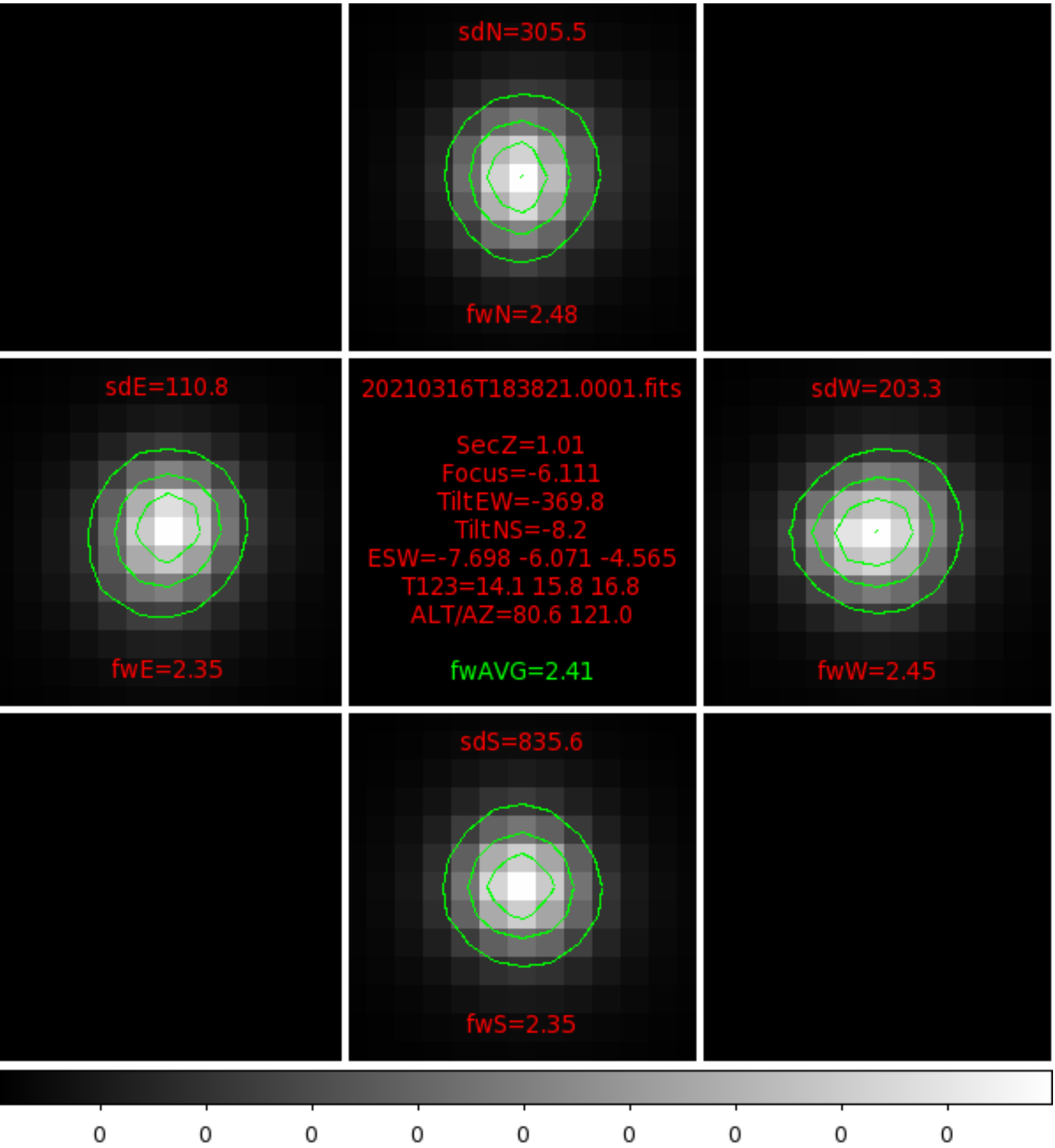
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SecZ=1.01
Focus=-6.111
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.698 -6.071 -4.565
T123=14.1 15.8 16.8
ALT/AZ=80.6 121.0
fwAVG=2.41
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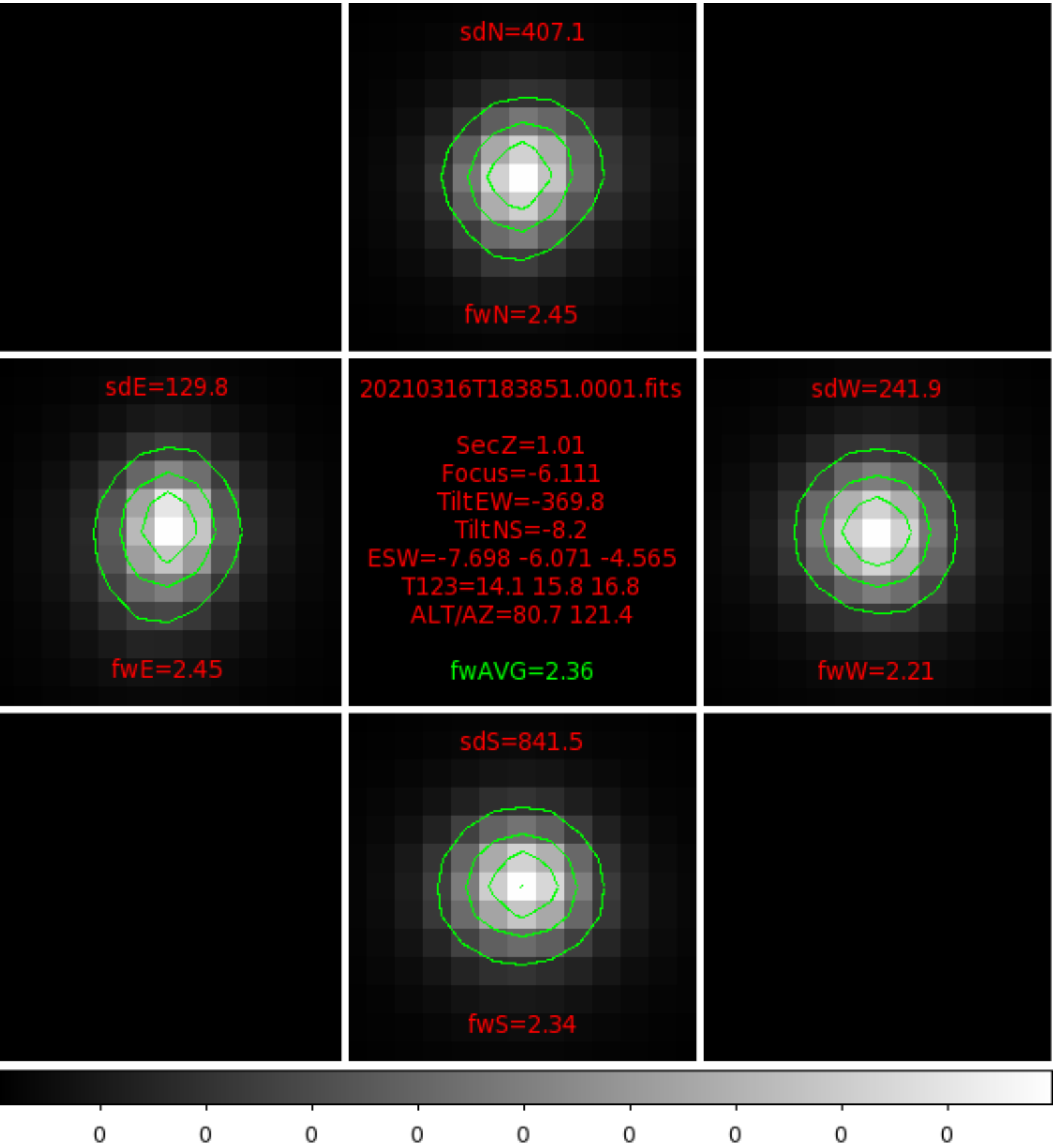
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20210316T183851.0001.fits
SecZ=1.01
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.698 -6.071 -4.565
T123=14.1 15.8 16.8
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fwAVG=2.36
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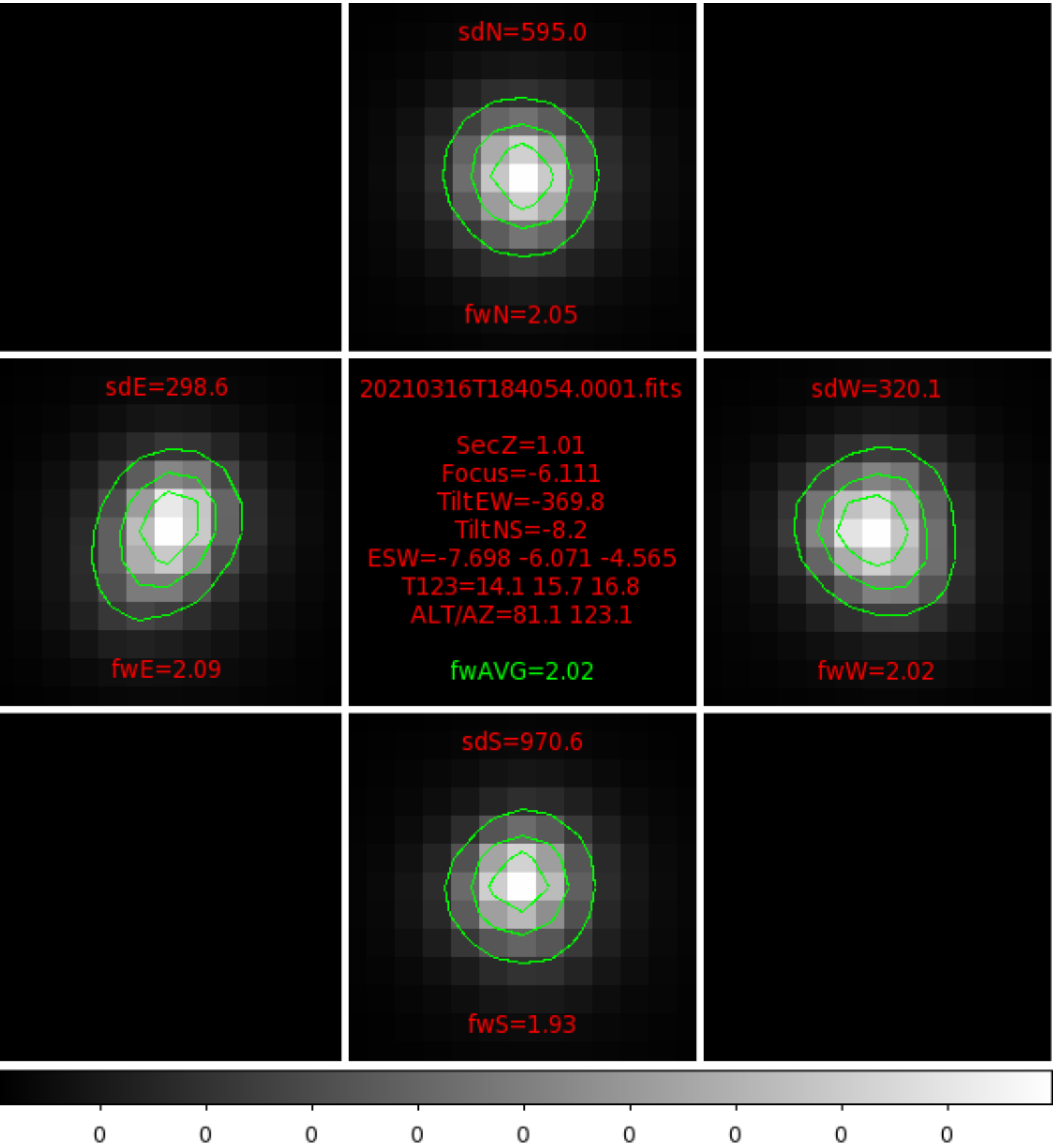
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20210316T184054.0001.fits
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.698 -6.071 -4.565
T123=14.1 15.7 16.8
ALT/AZ=81.1 123.1
fwAVG=2.02
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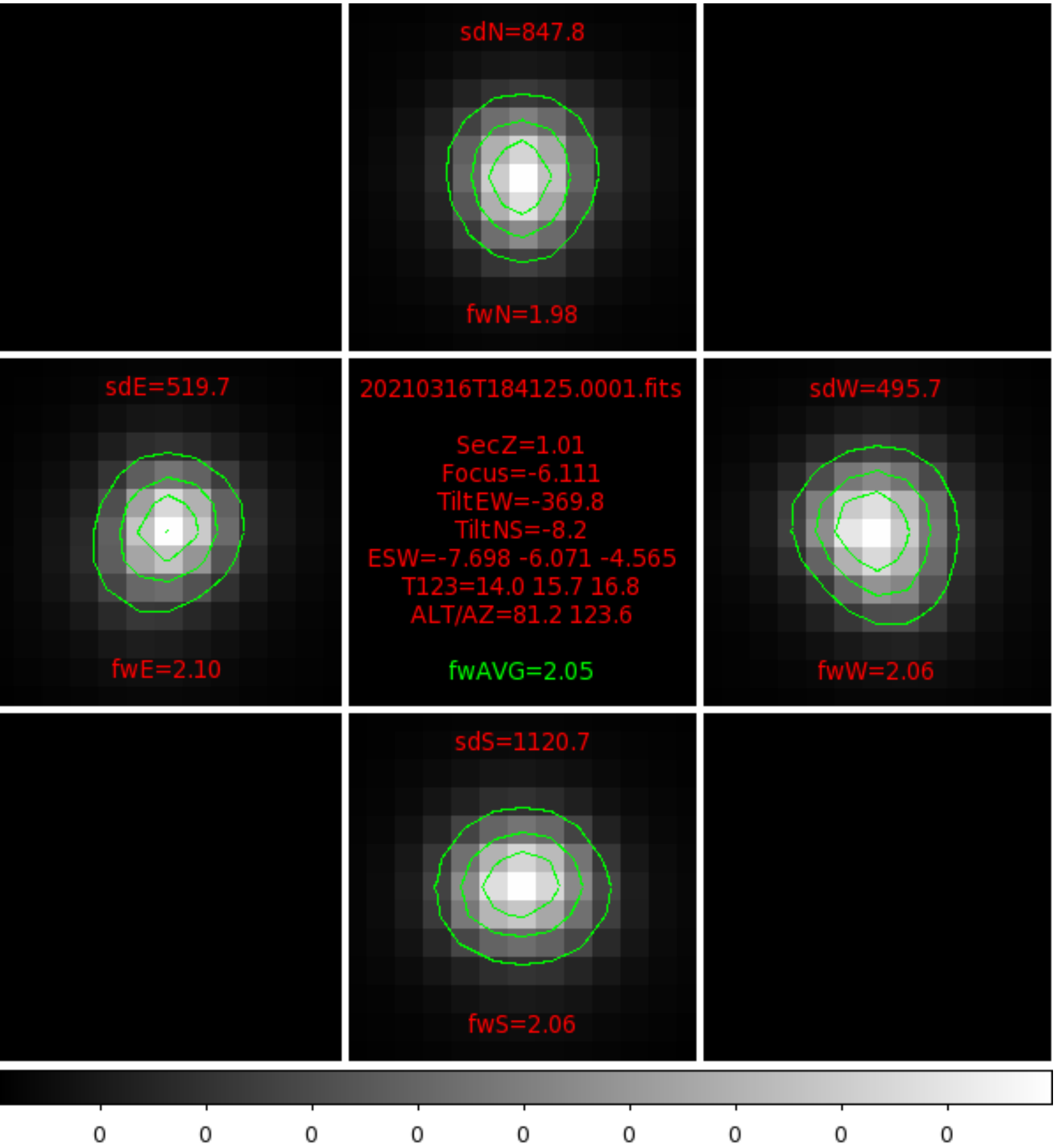
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SecZ=1.01
Focus=-6.111
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.698 -6.071 -4.565
T123=14.0 15.7 16.8
ALT/AZ=81.2 123.6
fwAVG=2.05
sdW=495.7
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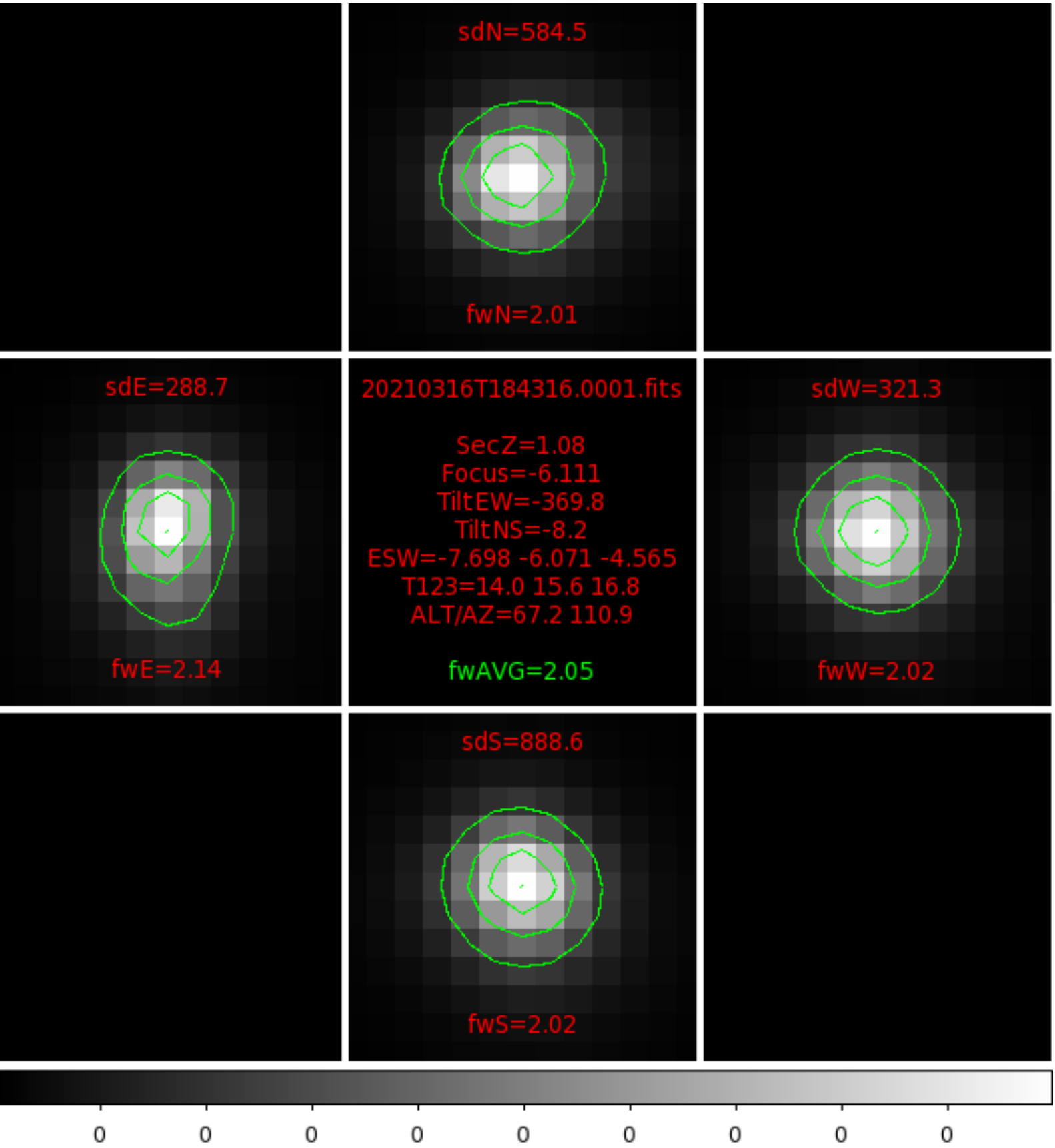
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SecZ=1.08
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TiltNS=-8.2
ESW=-7.698 -6.071 -4.565
T123=14.0 15.6 16.8
ALT/AZ=67.2 110.9
fwAVG=2.05
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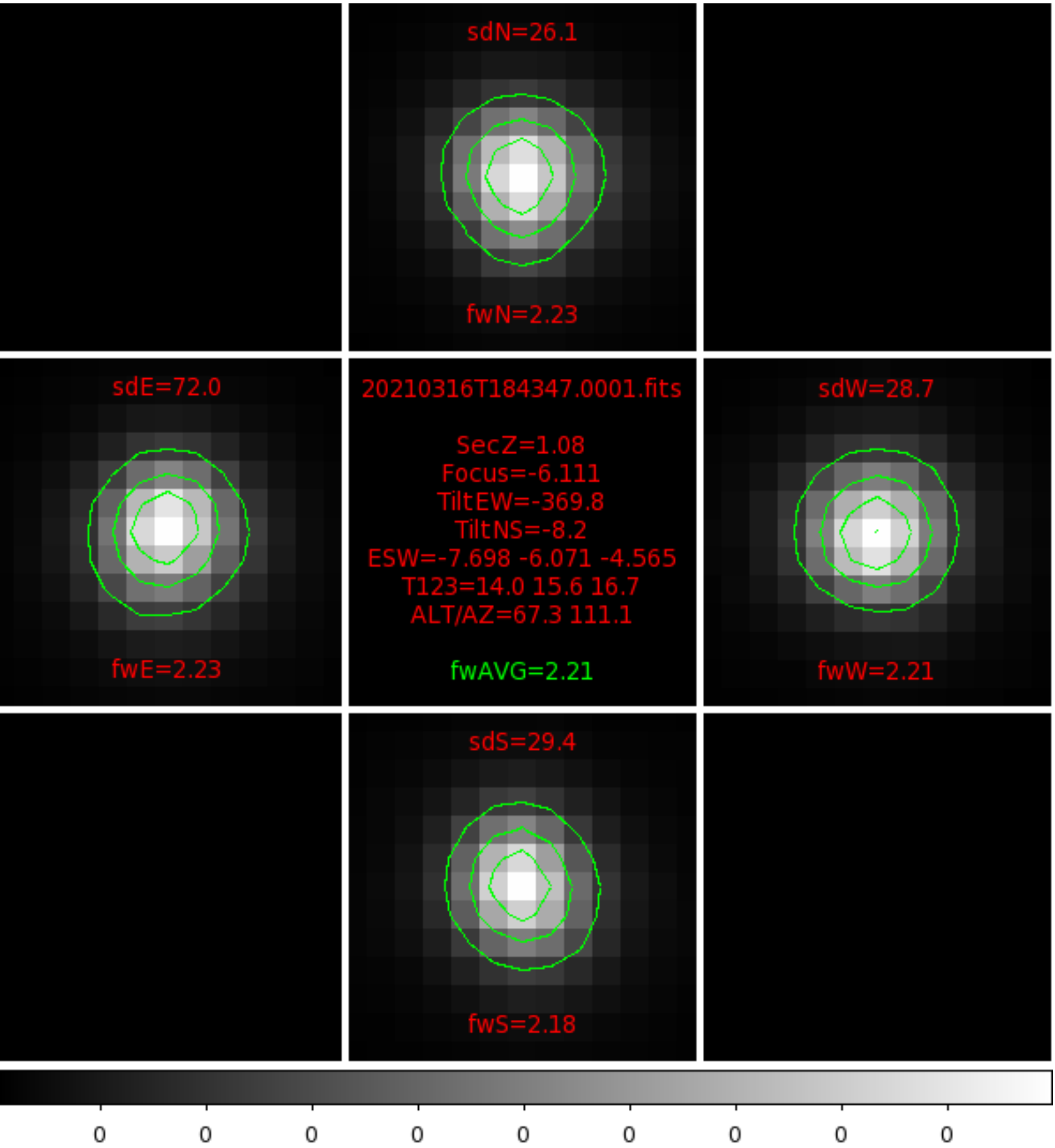
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SecZ=1.08
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.698 -6.071 -4.565
T123=14.0 15.6 16.7
ALT/AZ=67.3 111.1
fwAVG=2.21
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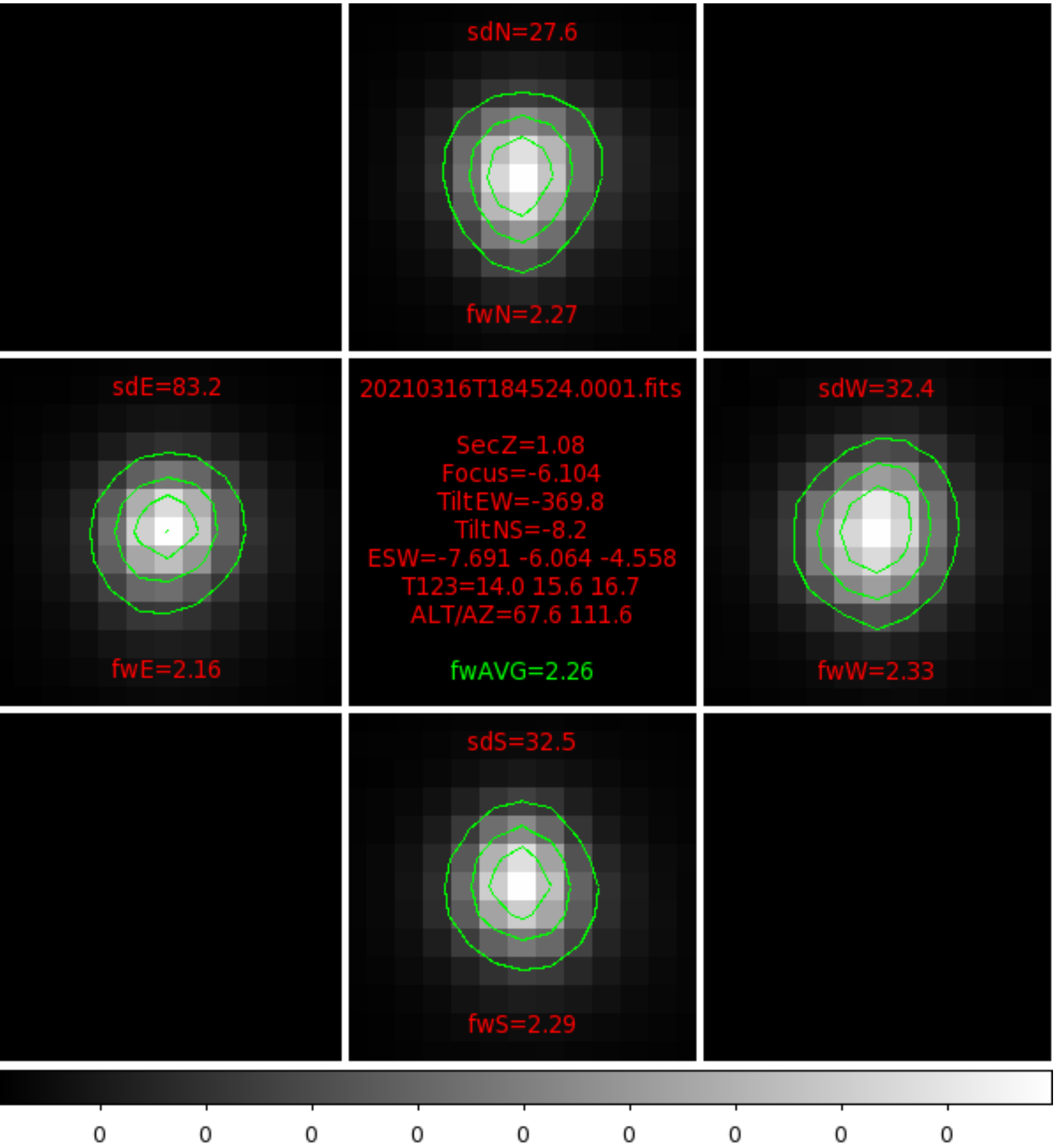
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Focus=-6.104
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.691 -6.064 -4.558
T123=14.0 15.6 16.7
ALT/AZ=67.6 111.6
fwAVG=2.26
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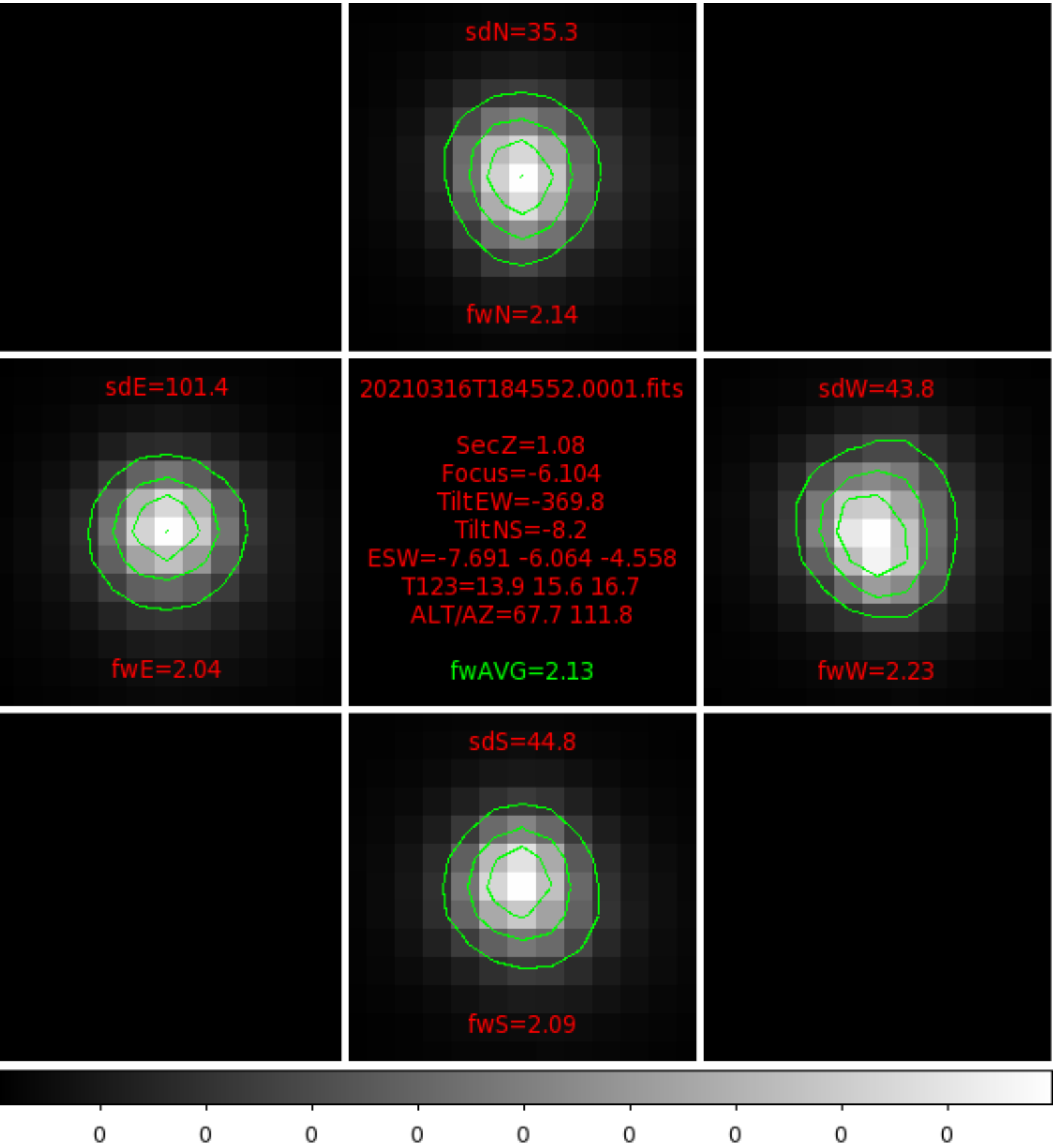
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SecZ=1.08
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TiltNS=-8.2
ESW=-7.691 -6.064 -4.558
T123=13.9 15.6 16.7
ALT/AZ=67.7 111.8
fwAVG=2.13
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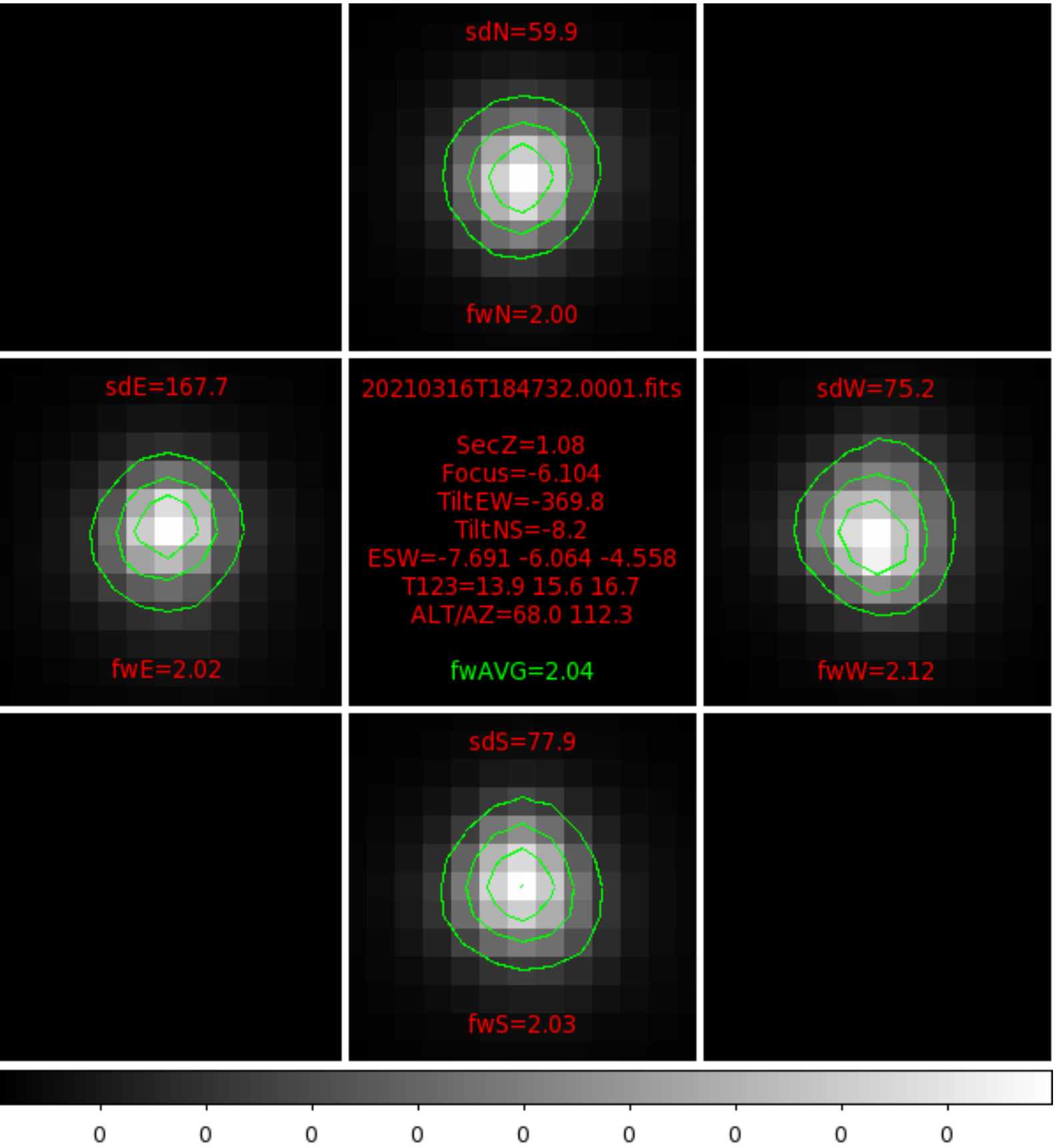
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SecZ=1.08
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TiltNS=-8.2
ESW=-7.691 -6.064 -4.558
T123=13.9 15.6 16.7
ALT/AZ=68.0 112.3
fwAVG=2.04
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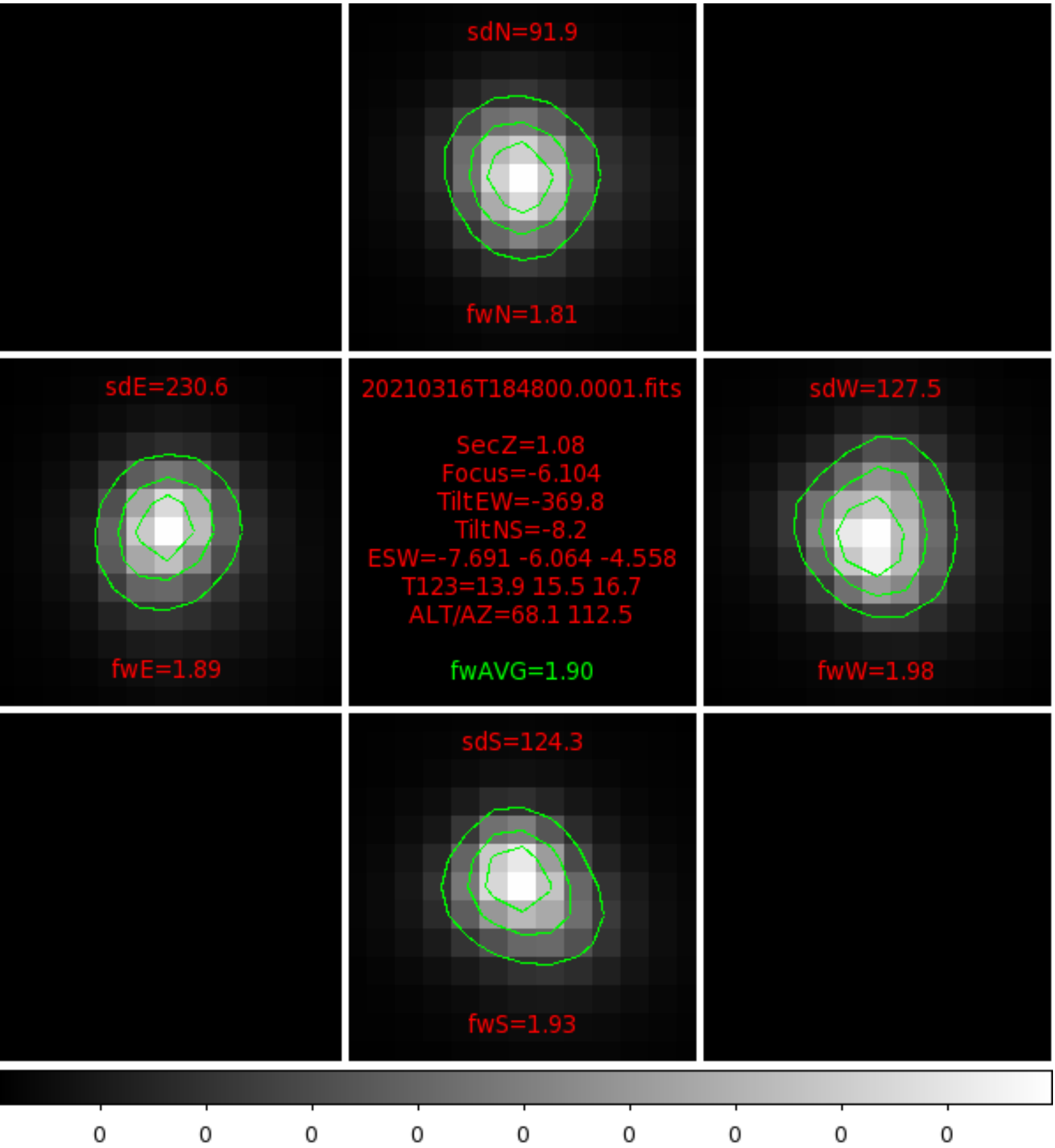
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SecZ=1.08
Focus=-6.104
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.691 -6.064 -4.558
T123=13.9 15.5 16.7
ALT/AZ=68.1 112.5
fwAVG=1.90
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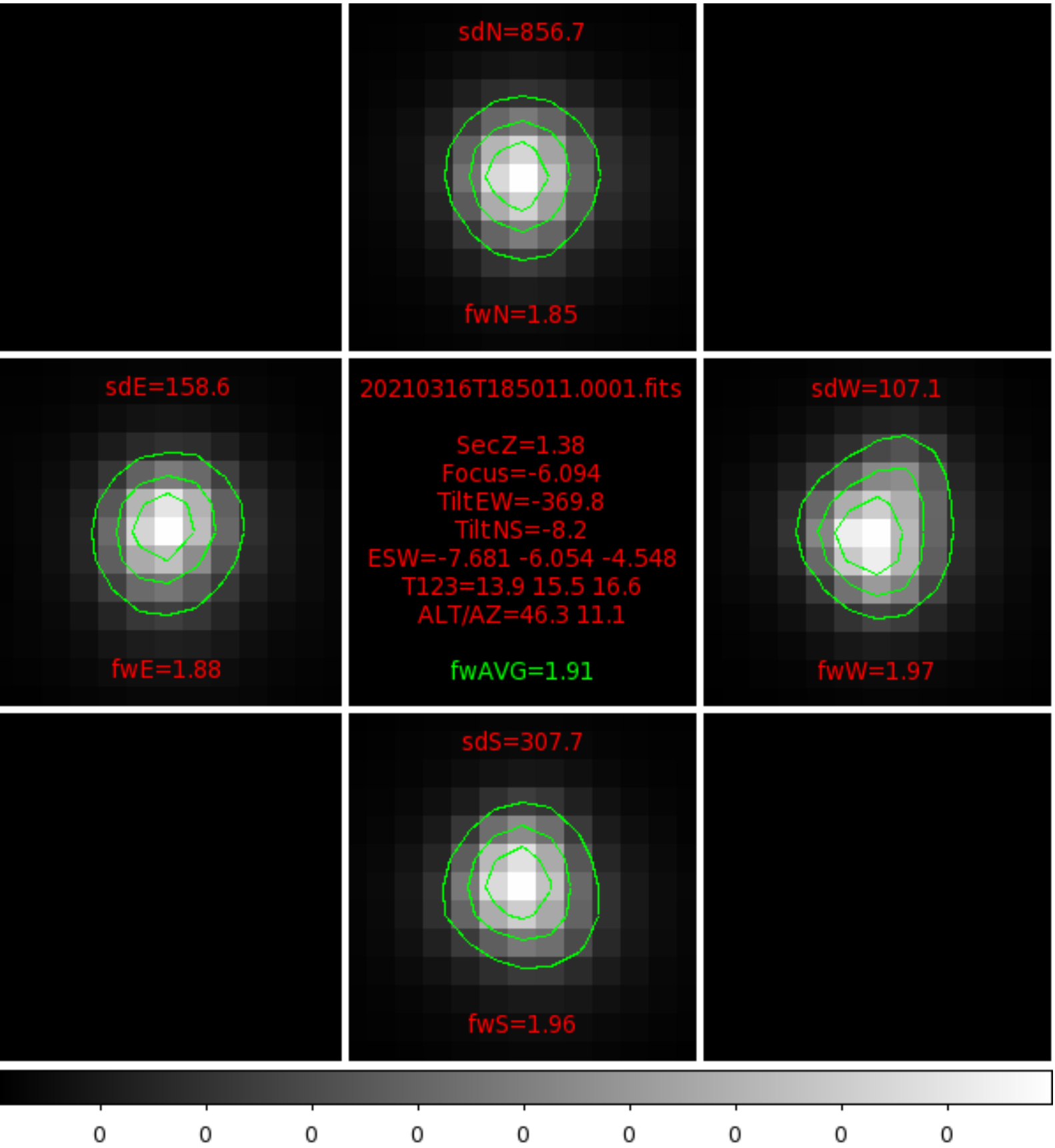
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SecZ=1.38
Focus=-6.094
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.681 -6.054 -4.548
T123=13.9 15.5 16.6
ALT/AZ=46.3 11.1
fwAVG=1.91
sdW=107.1
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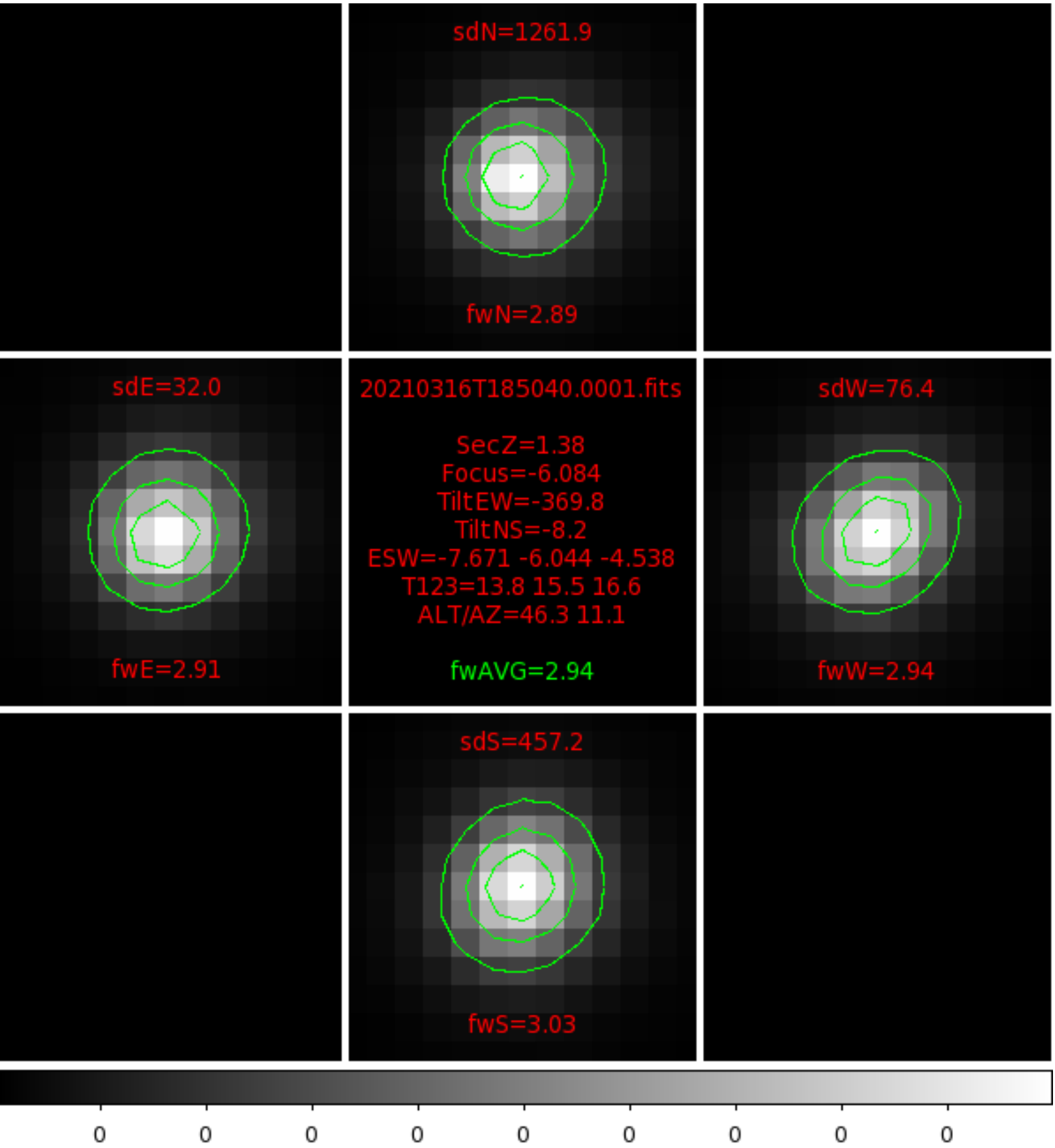
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SecZ=1.38
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.671 -6.044 -4.538
T123=13.8 15.5 16.6
ALT/AZ=46.3 11.1
fwAVG=2.94
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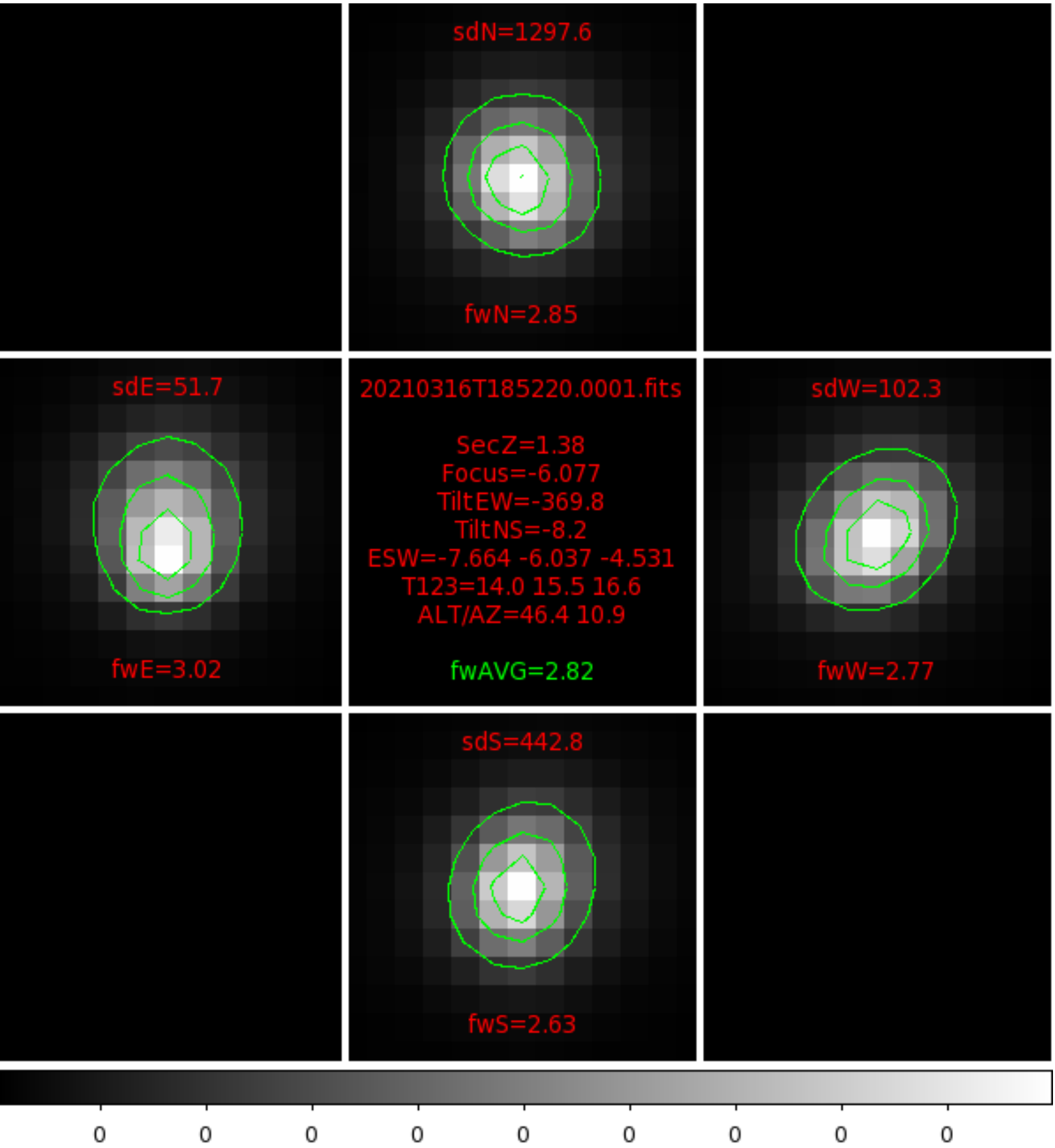
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.664 -6.037 -4.531
T123=14.0 15.5 16.6
ALT/AZ=46.4 10.9
fwAVG=2.82
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sdS=442.8
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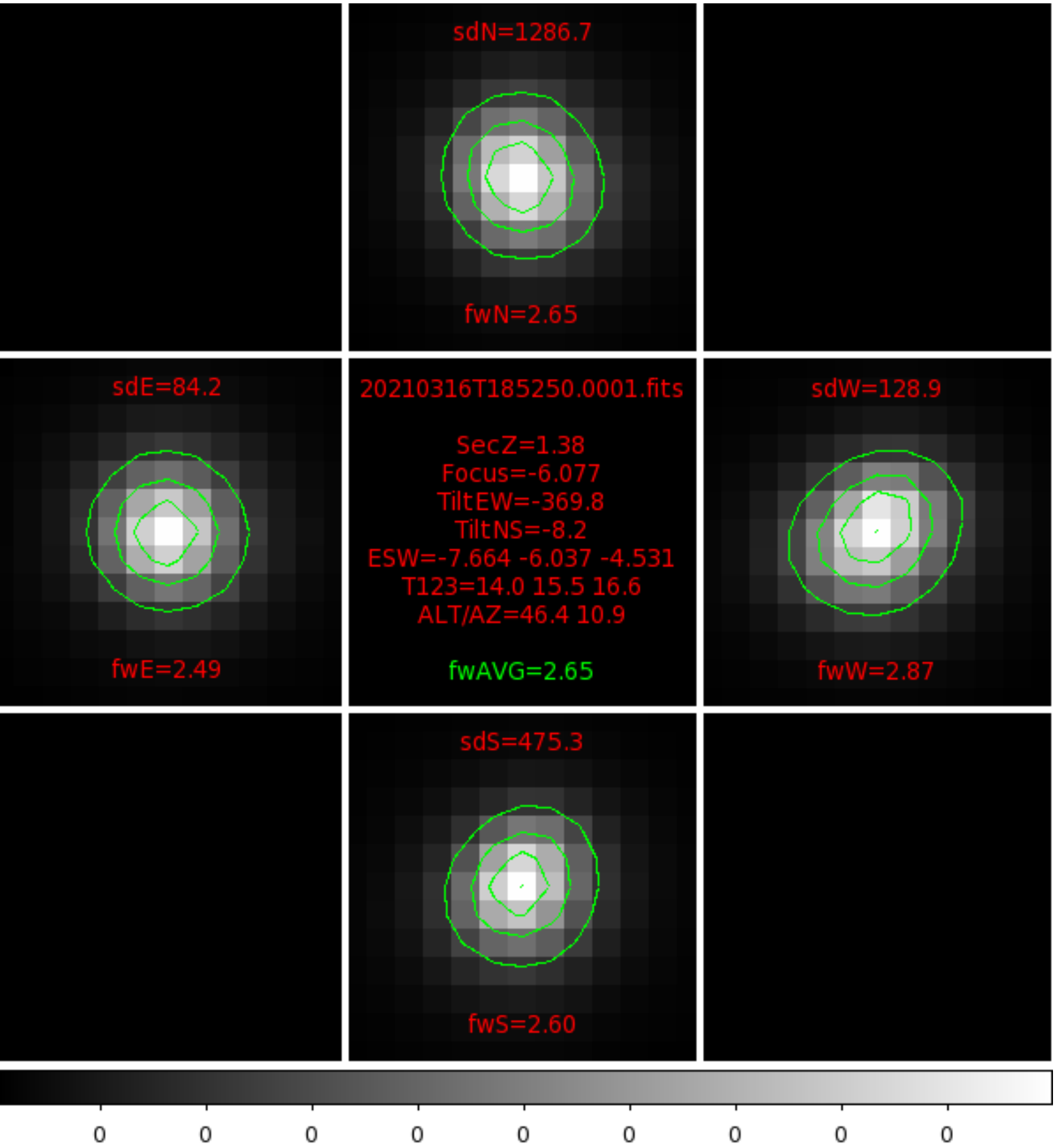
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sdE=84.2
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SecZ=1.38
Focus=-6.077
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.664 -6.037 -4.531
T123=14.0 15.5 16.6
ALT/AZ=46.4 10.9
fwAVG=2.65
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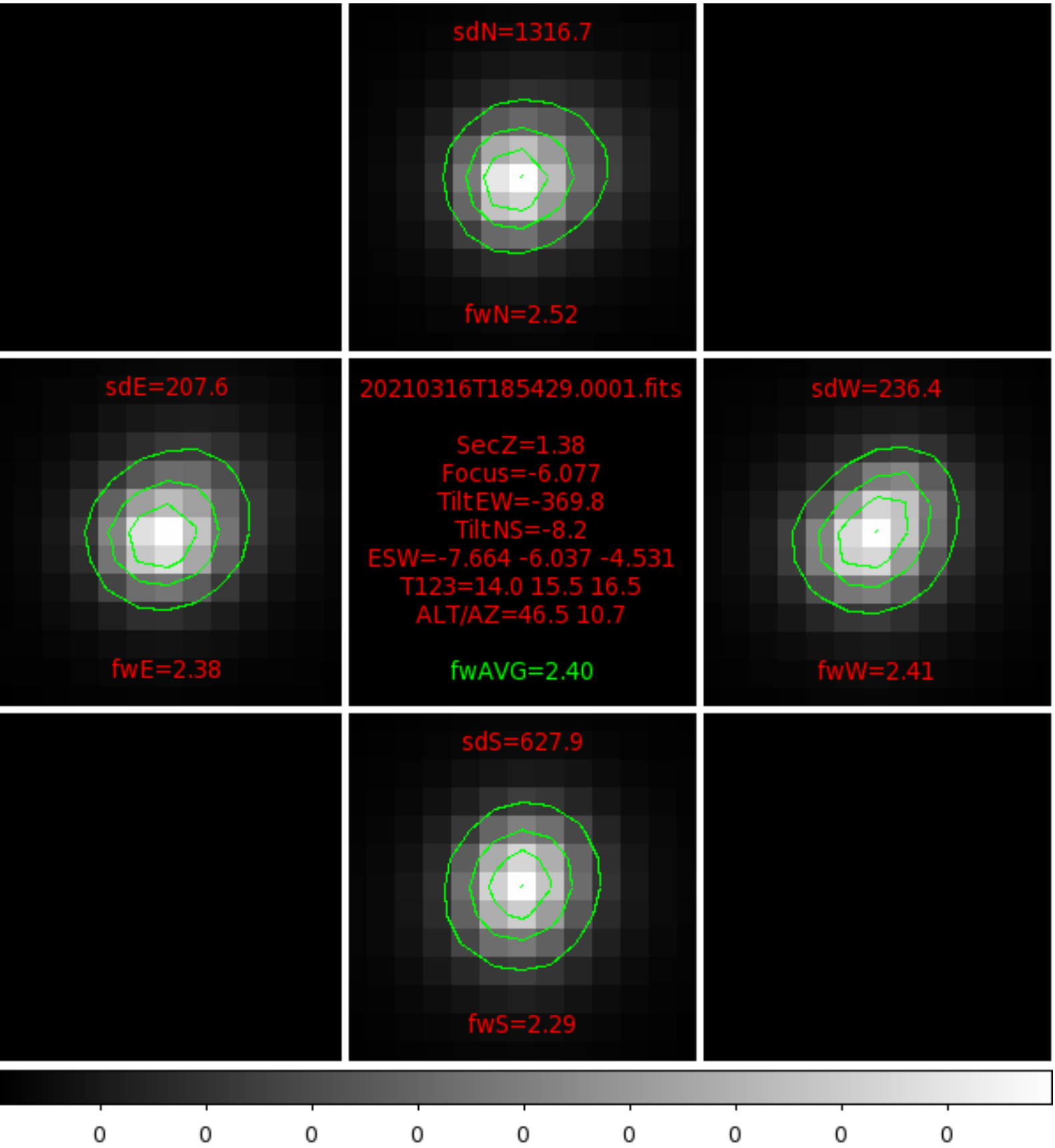
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SecZ=1.38
Focus=-6.077
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.664 -6.037 -4.531
T123=14.0 15.5 16.5
ALT/AZ=46.5 10.7
fwAVG=2.40
sdW=236.4
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sdS=627.9
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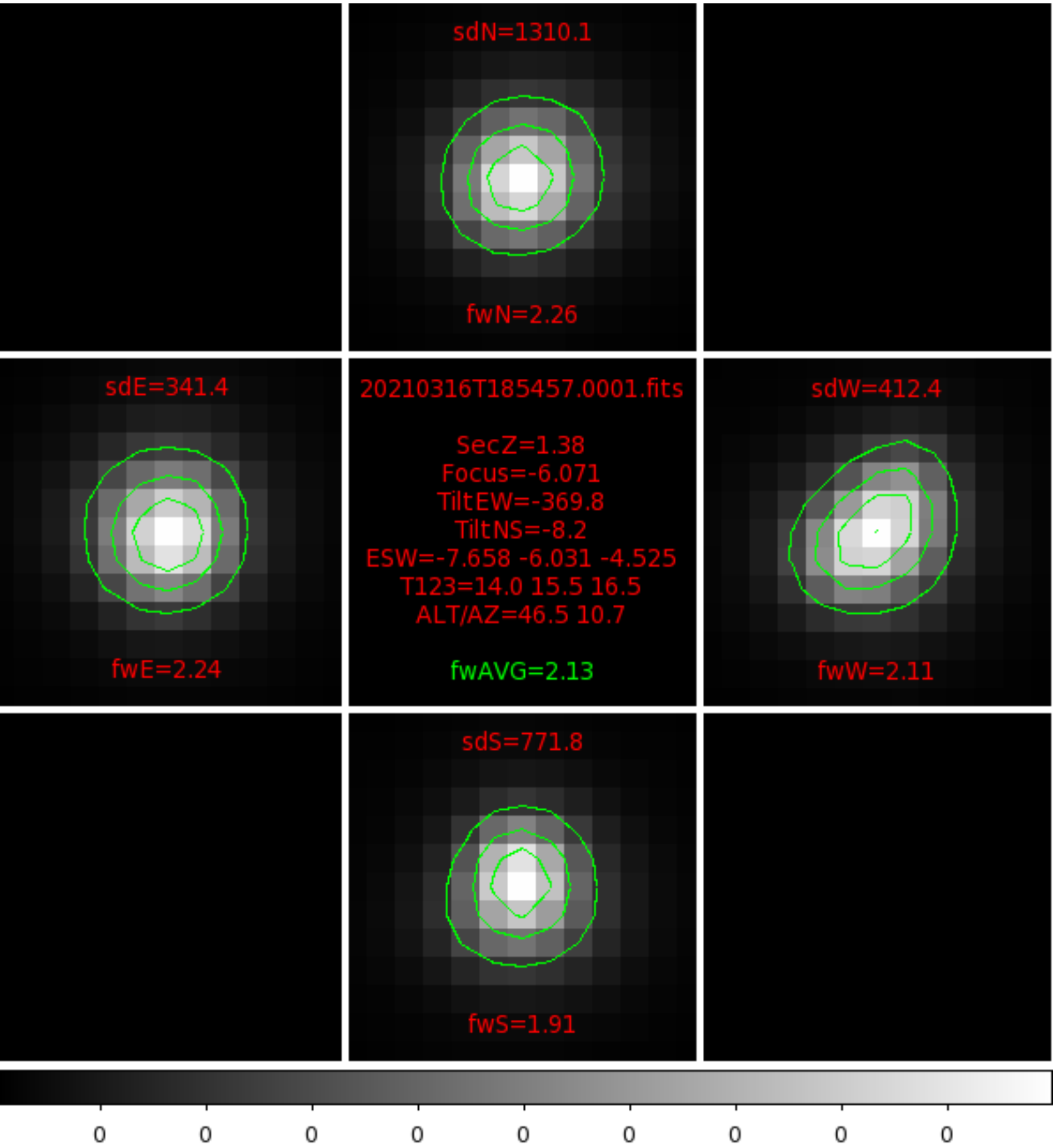
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sdE=341.4
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20210316T185457.0001.fits
SecZ=1.38
Focus=-6.071
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.658 -6.031 -4.525
T123=14.0 15.5 16.5
ALT/AZ=46.5 10.7
fwAVG=2.13
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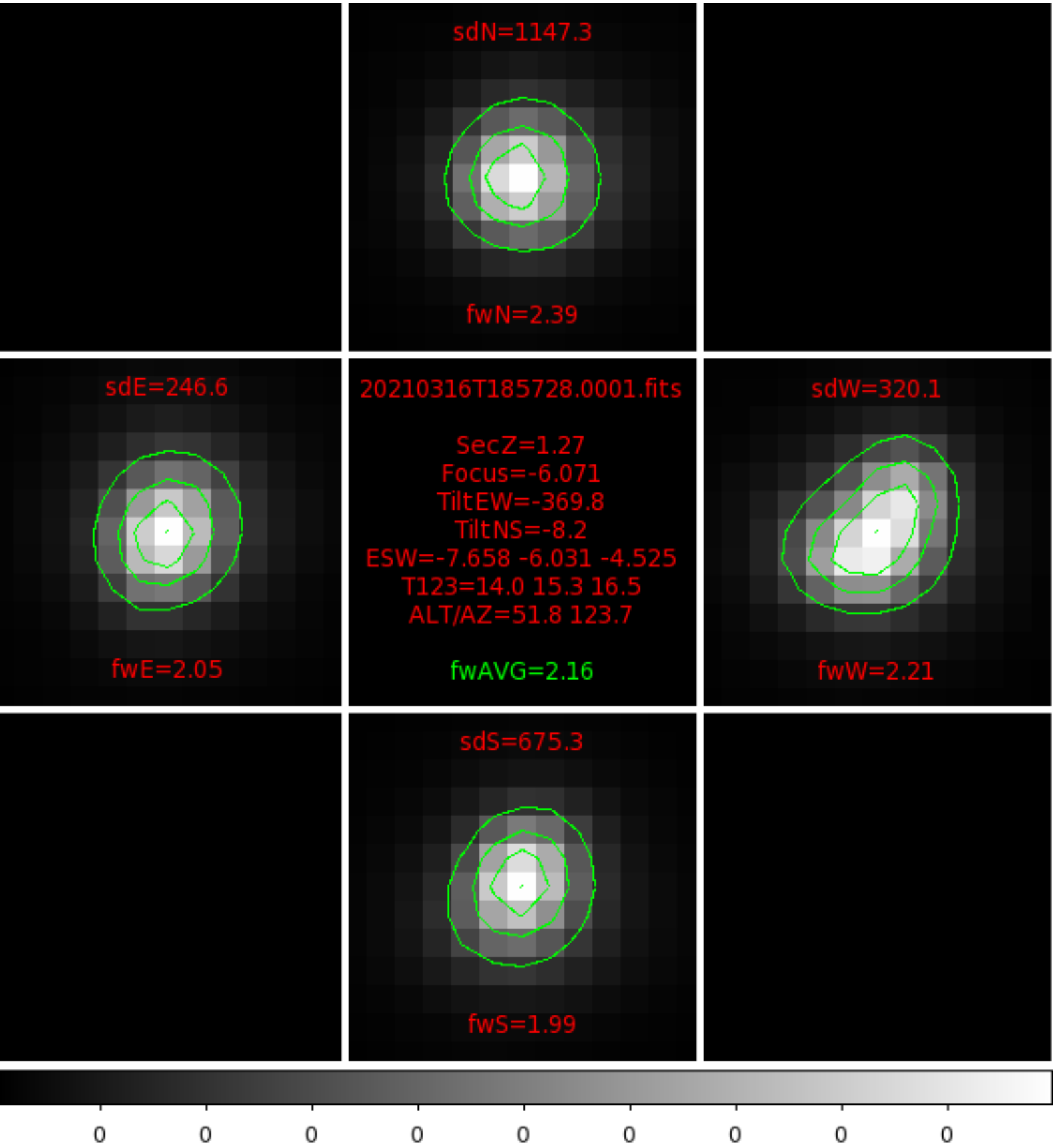
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fwN=2.39
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20210316T185728.0001.fits
SecZ=1.27
Focus=-6.071
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.658 -6.031 -4.525
T123=14.0 15.3 16.5
ALT/AZ=51.8 123.7
fwAVG=2.16
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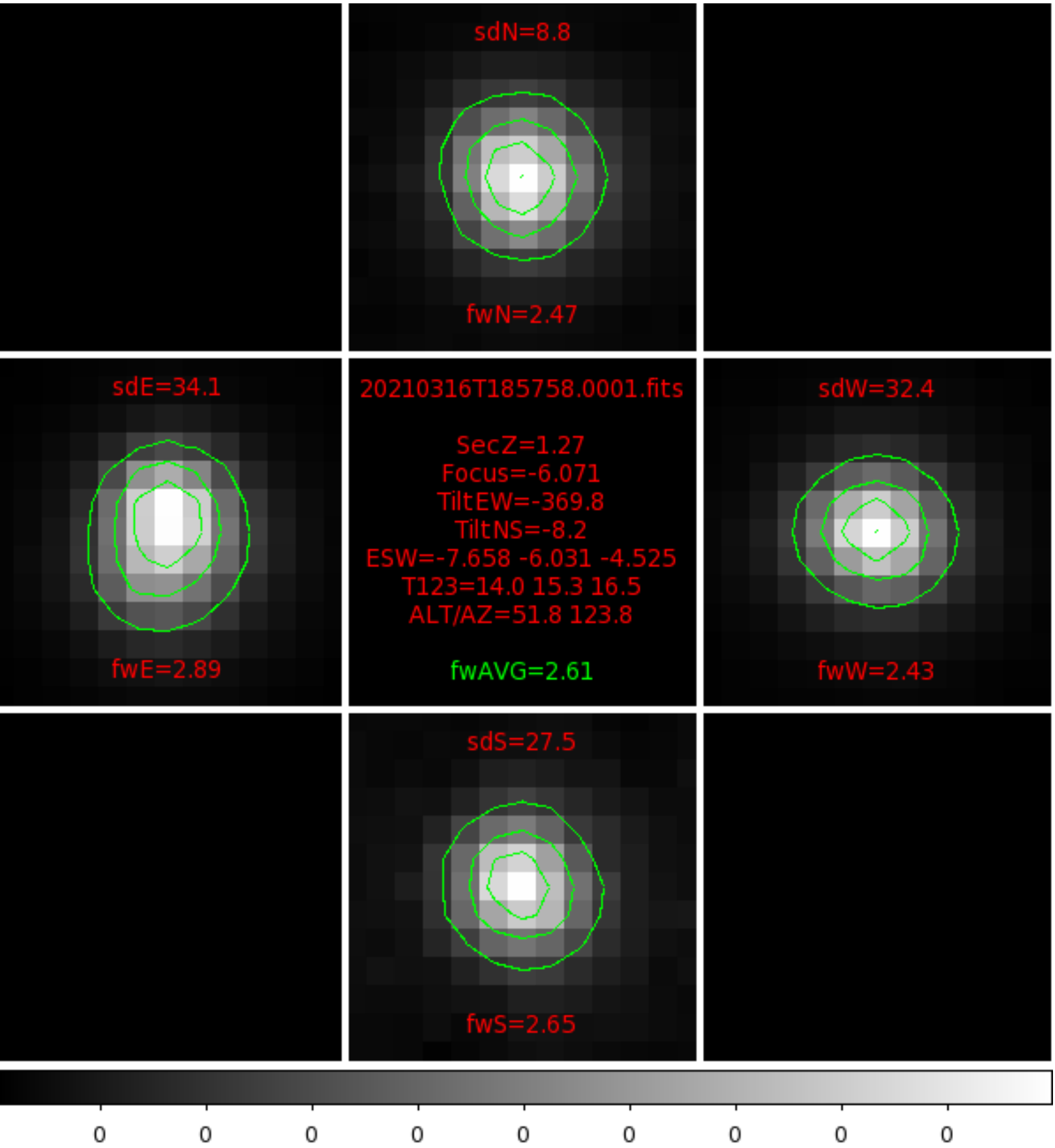
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sdE=34.1
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20210316T185758.0001.fits
SecZ=1.27
Focus=-6.071
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.658 -6.031 -4.525
T123=14.0 15.3 16.5
ALT/AZ=51.8 123.8
fwAVG=2.61
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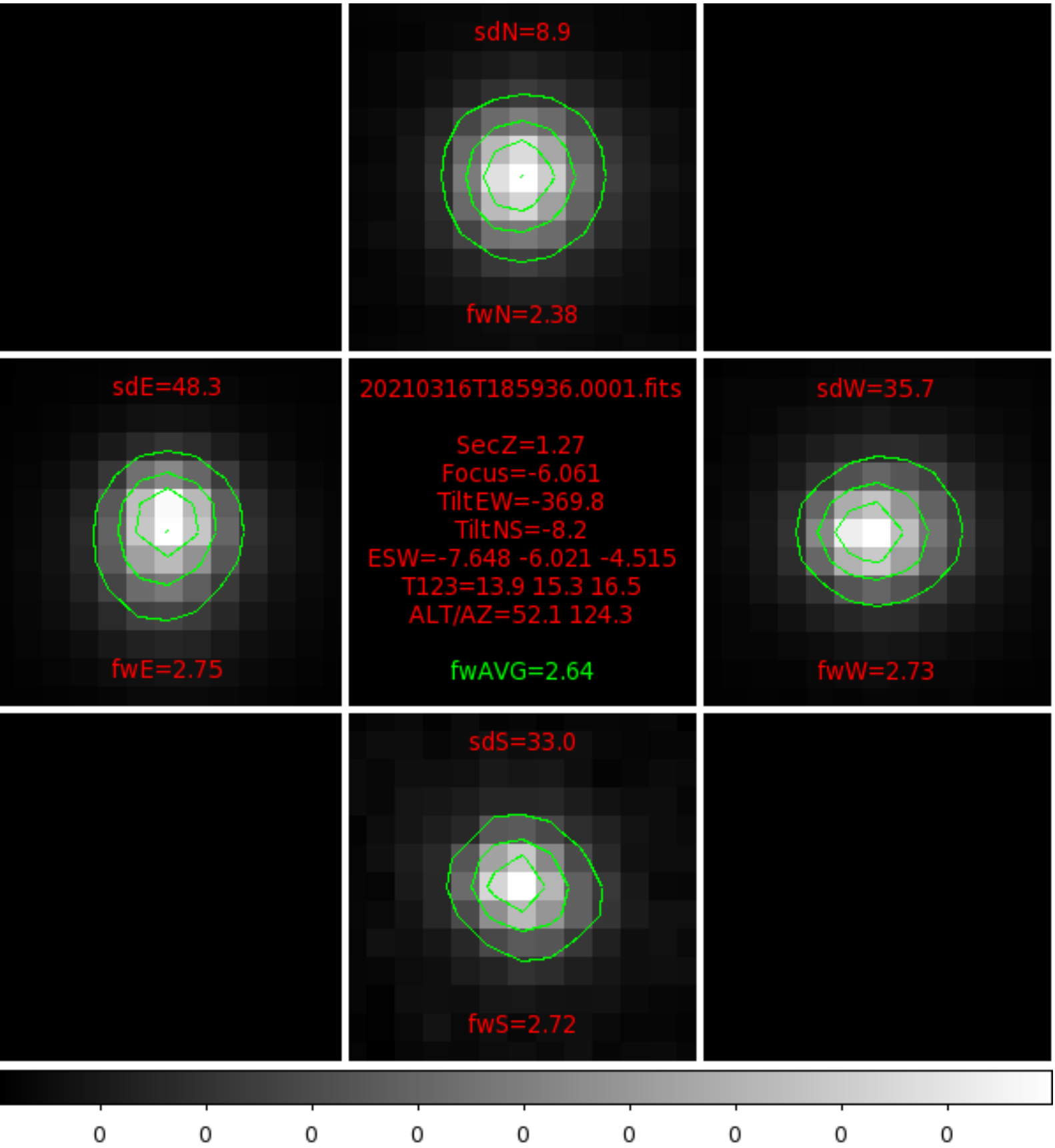
sdN=8.9
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sdE=48.3
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20210316T185936.0001.fits
SecZ=1.27
Focus=-6.061
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.648 -6.021 -4.515
T123=13.9 15.3 16.5
ALT/AZ=52.1 124.3
fwAVG=2.64
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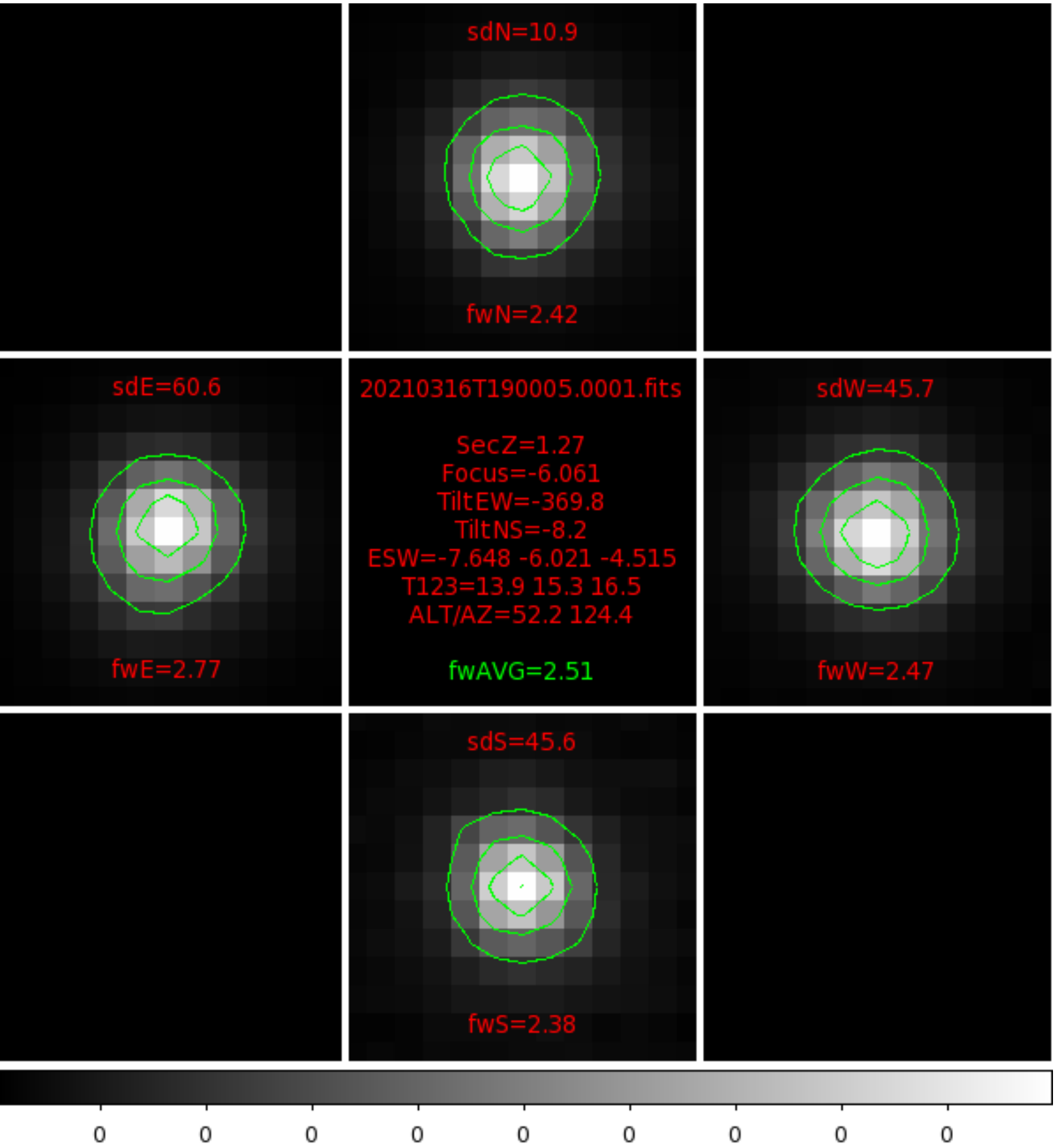
sdN=10.9
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sdE=60.6
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20210316T190005.0001.fits
SecZ=1.27
Focus=-6.061
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.648 -6.021 -4.515
T123=13.9 15.3 16.5
ALT/AZ=52.2 124.4
fwAVG=2.51
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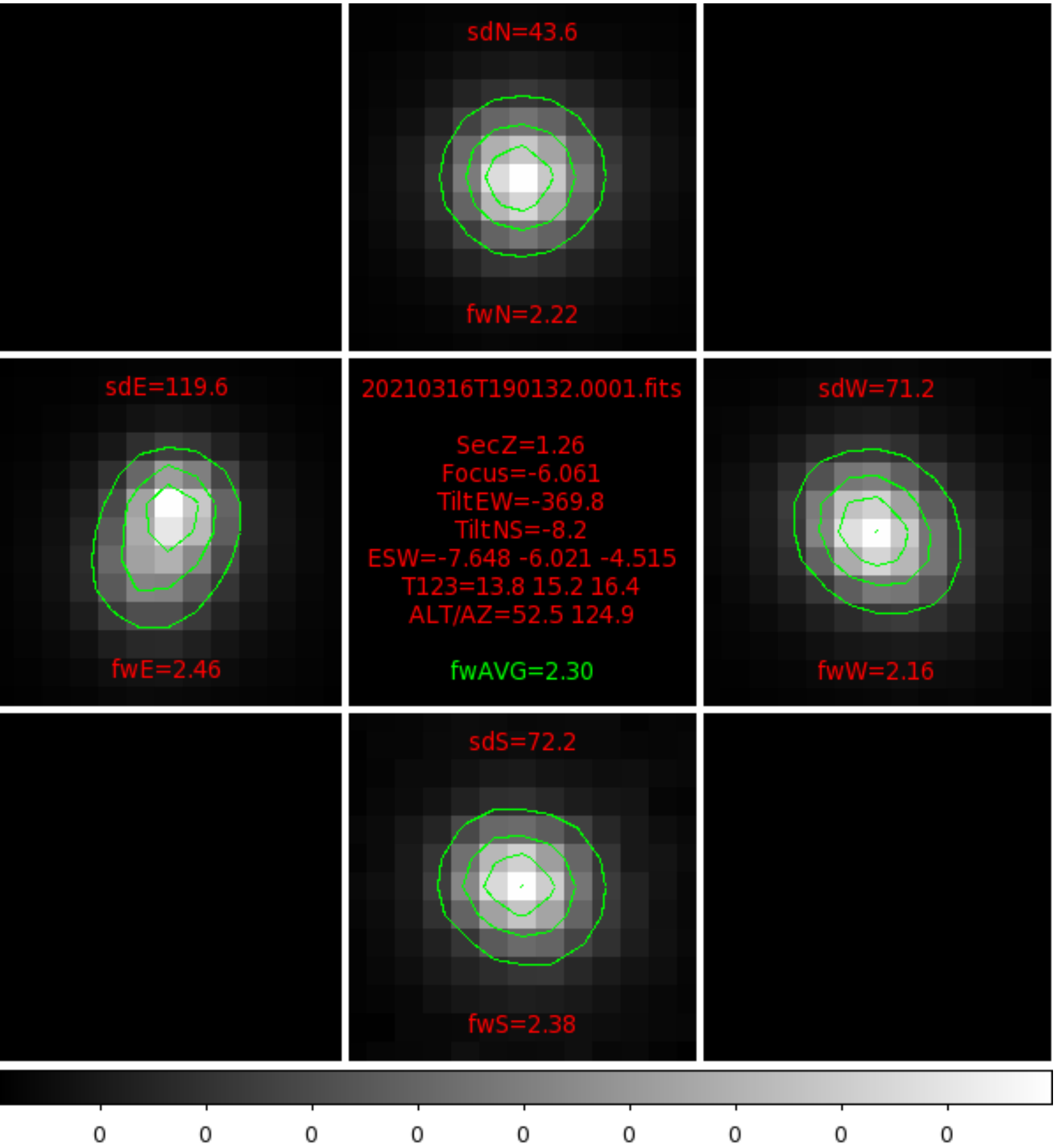
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sdE=119.6
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20210316T190132.0001.fits
SecZ=1.26
Focus=-6.061
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.648 -6.021 -4.515
T123=13.8 15.2 16.4
ALT/AZ=52.5 124.9
fwAVG=2.30
sdW=71.2
fwW=2.16
sdS=72.2
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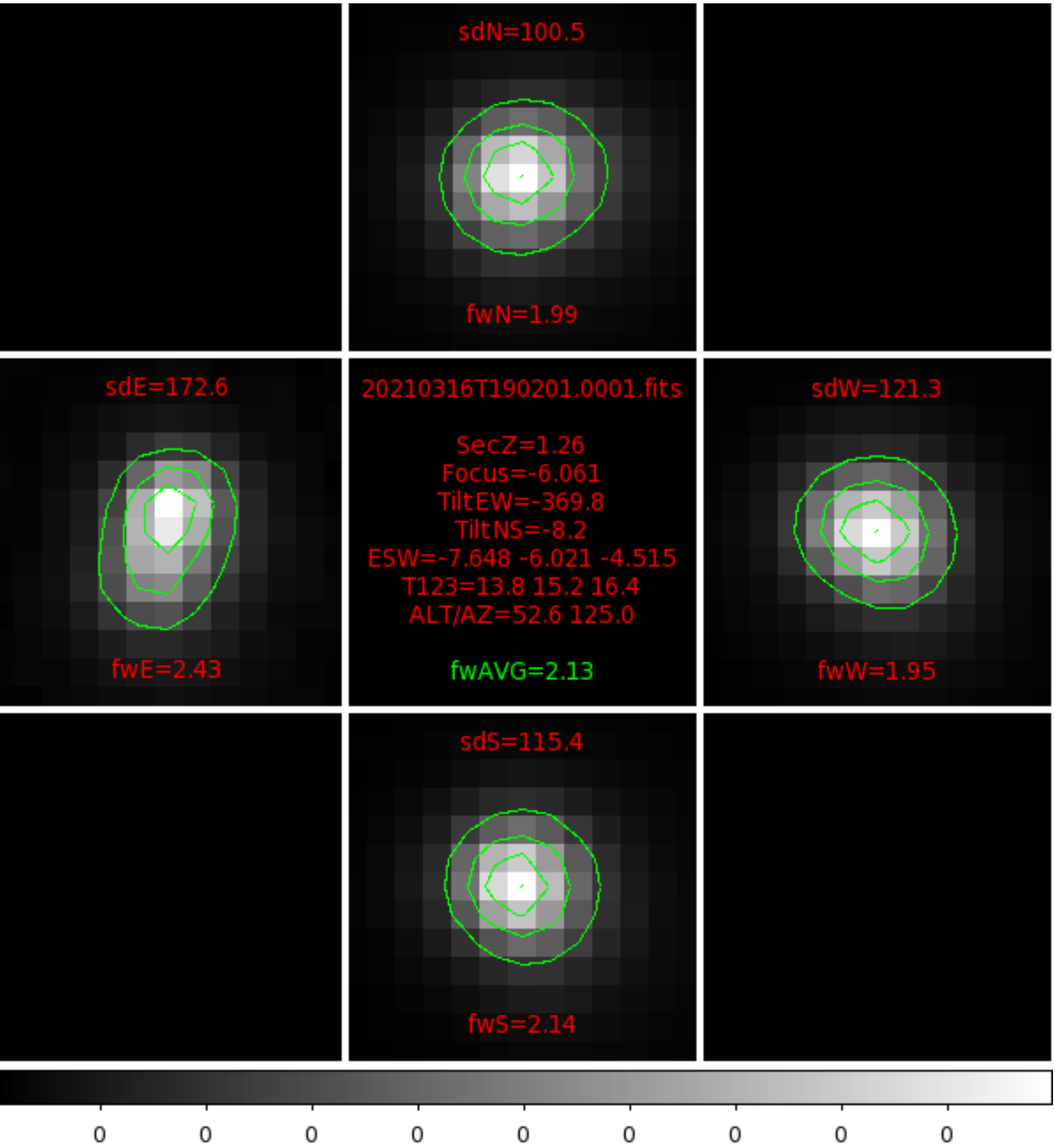
sdN=100.5
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20210316T190201.0001.fits
SecZ=1.26
Focus=-6.061
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.648 -6.021 -4.515
T123=13.8 15.2 16.4
ALT/AZ=52.6 125.0
fwAVG=2.13
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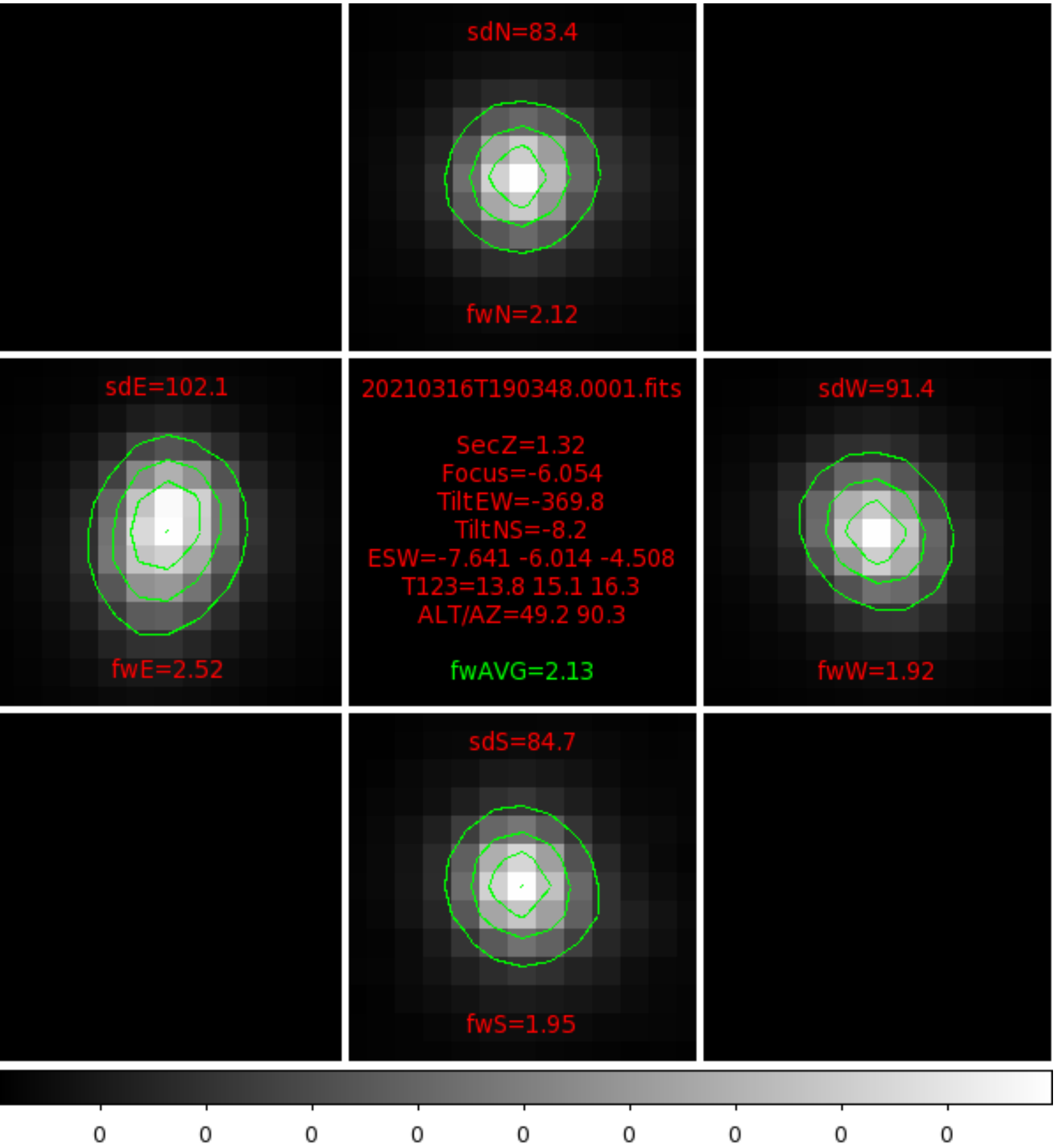
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sdE=102.1
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20210316T190348.0001.fits
SecZ=1.32
Focus=-6.054
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.641 -6.014 -4.508
T123=13.8 15.1 16.3
ALT/AZ=49.2 90.3
fwAVG=2.13
sdW=91.4
fwW=1.92
sdS=84.7
fwS=1.95
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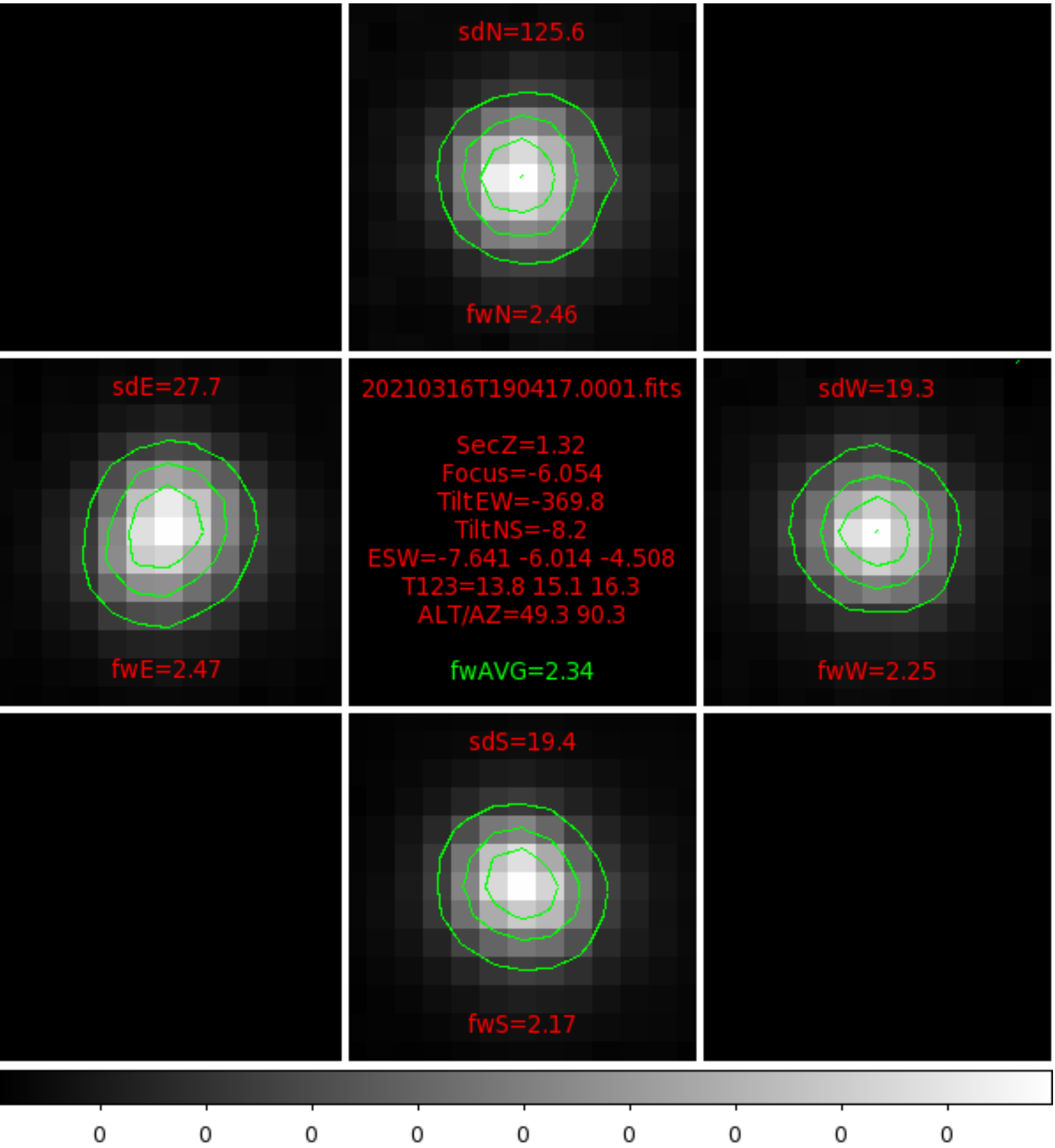
sdN=125.6
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20210316T190417.0001.fits
SecZ=1.32
Focus=-6.054
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.641 -6.014 -4.508
T123=13.8 15.1 16.3
ALT/AZ=49.3 90.3
fwAVG=2.34
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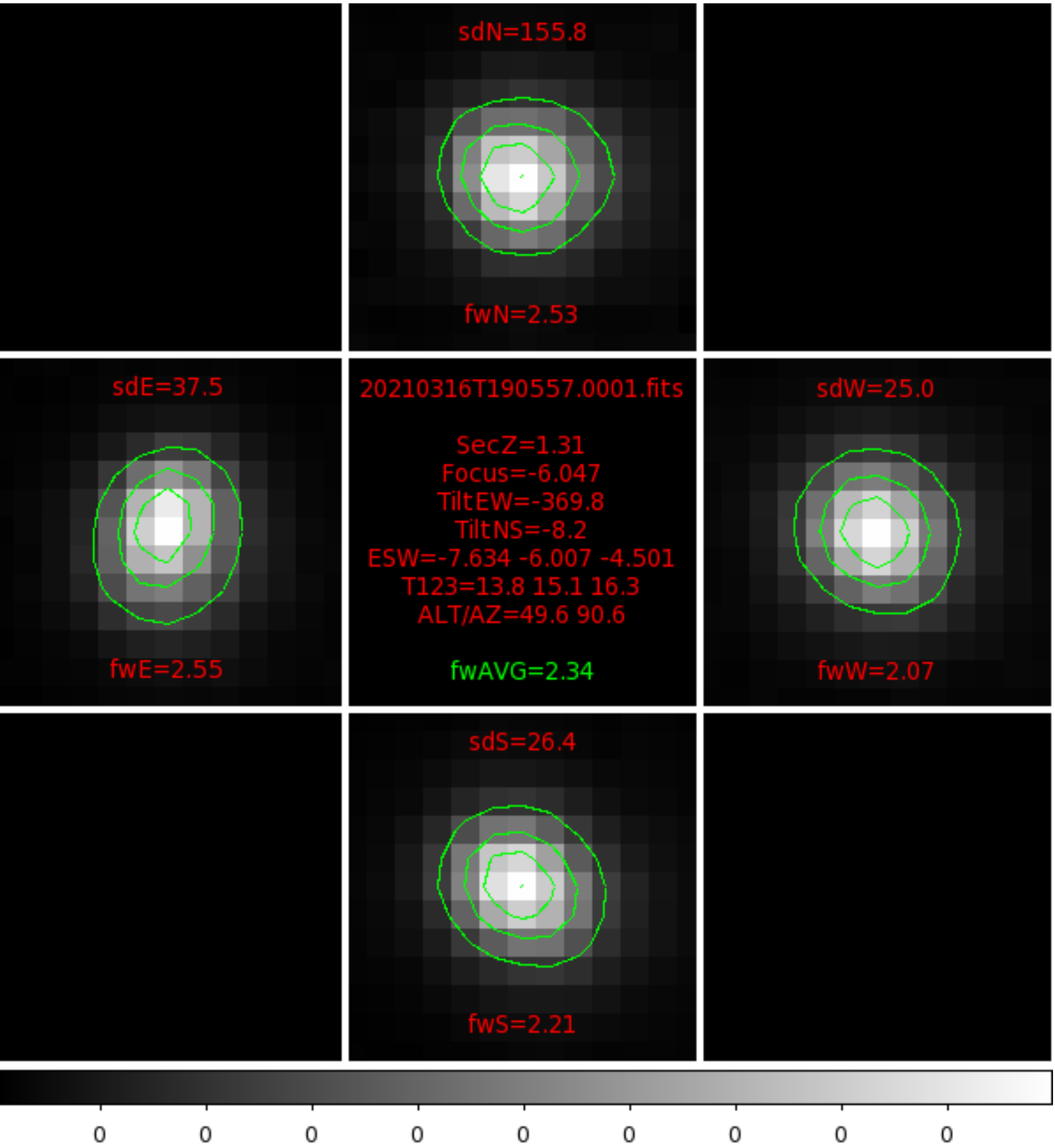
sdN=155.8
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20210316T190557.0001.fits
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.634 -6.007 -4.501
T123=13.8 15.1 16.3
ALT/AZ=49.6 90.6
fwAVG=2.34
sdW=25.0
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sdS=26.4
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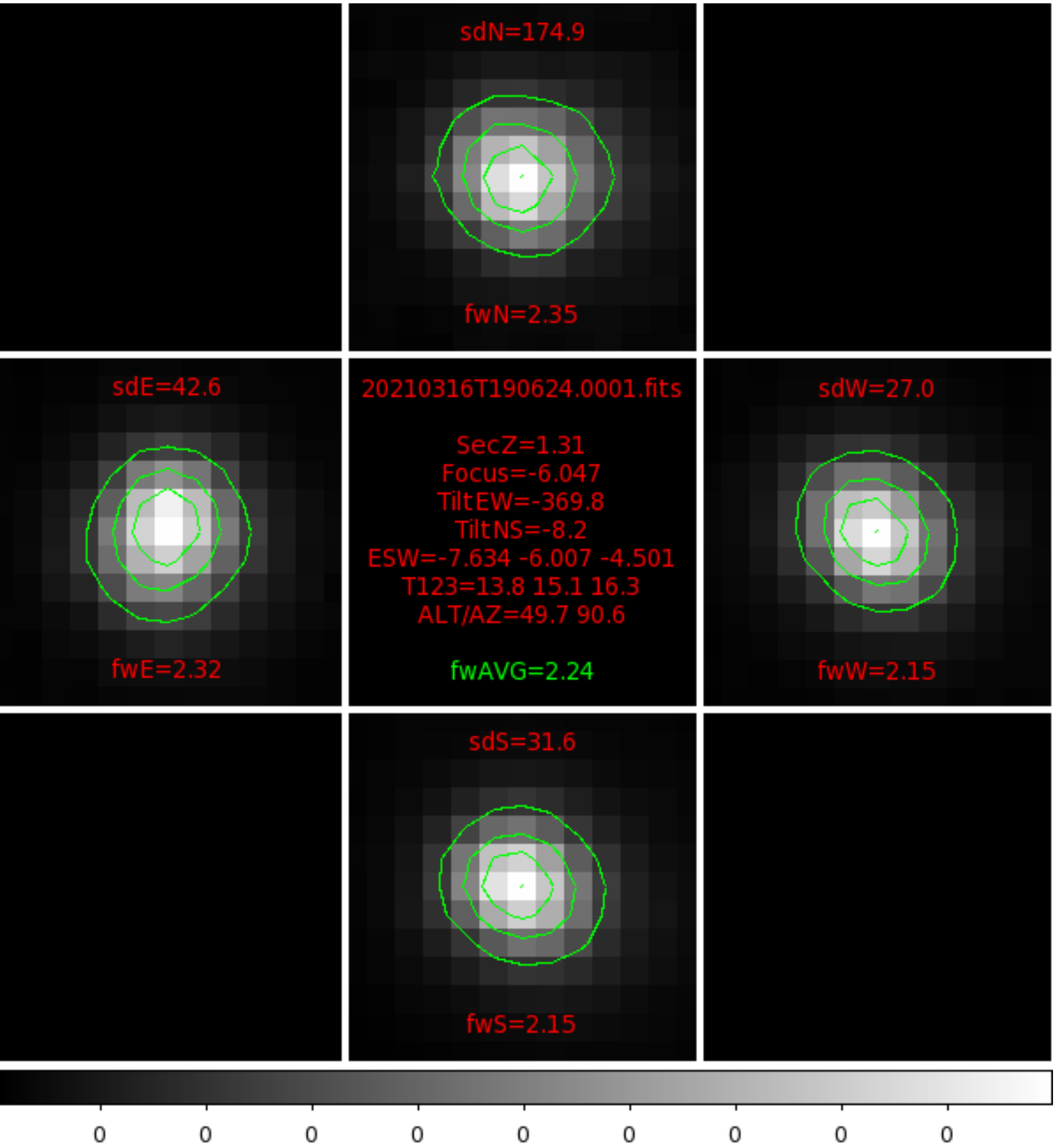
sdN=174.9
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20210316T190624.0001.fits
SecZ=1.31
Focus=-6.047
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.634 -6.007 -4.501
T123=13.8 15.1 16.3
ALT/AZ=49.7 90.6
fwAVG=2.24
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sdS=31.6
fwS=2.15
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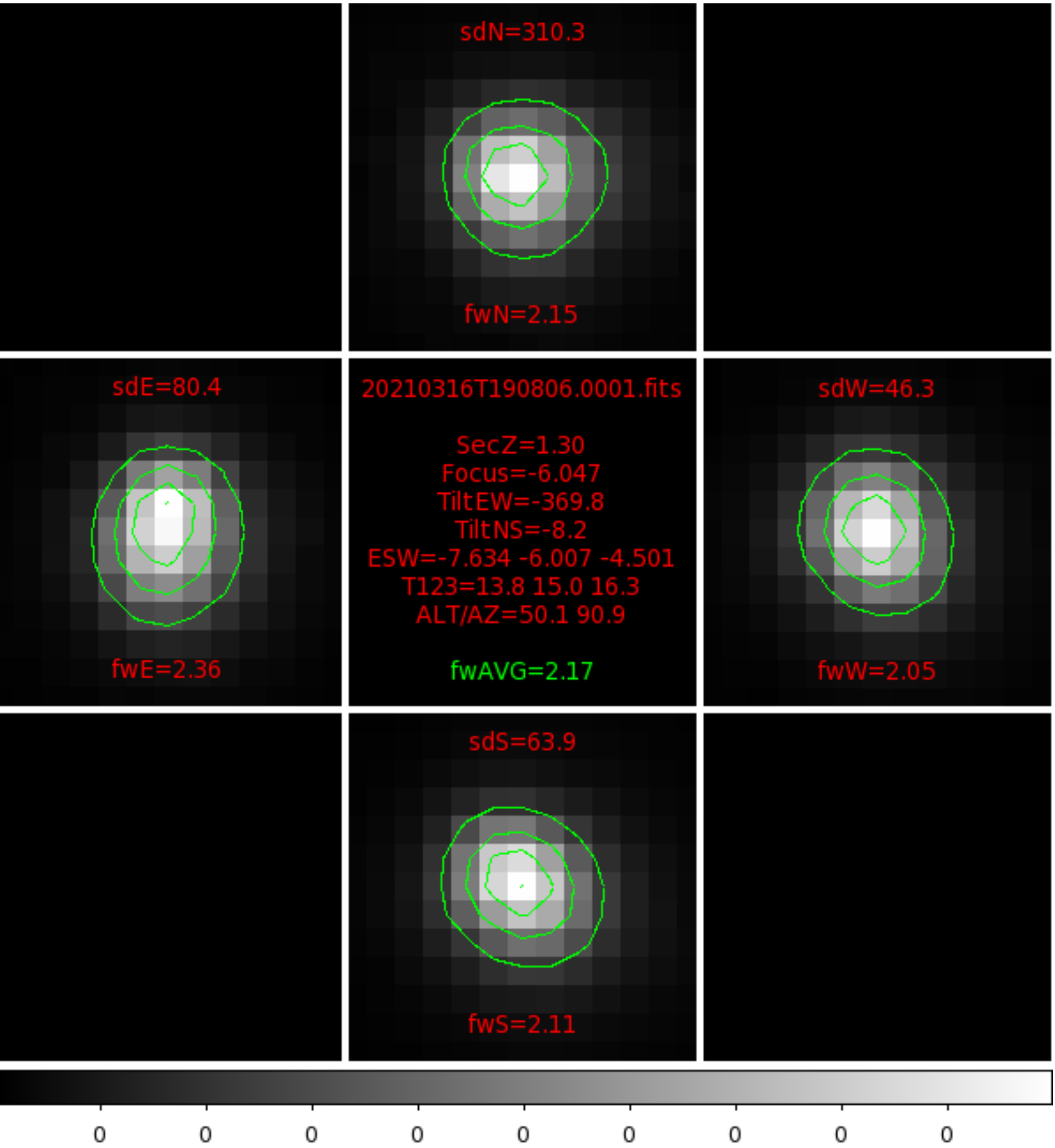
sdN=310.3
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20210316T190806.0001.fits
SecZ=1.30
Focus=-6.047
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.634 -6.007 -4.501
T123=13.8 15.0 16.3
ALT/AZ=50.1 90.9
fwAVG=2.17
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sdS=63.9
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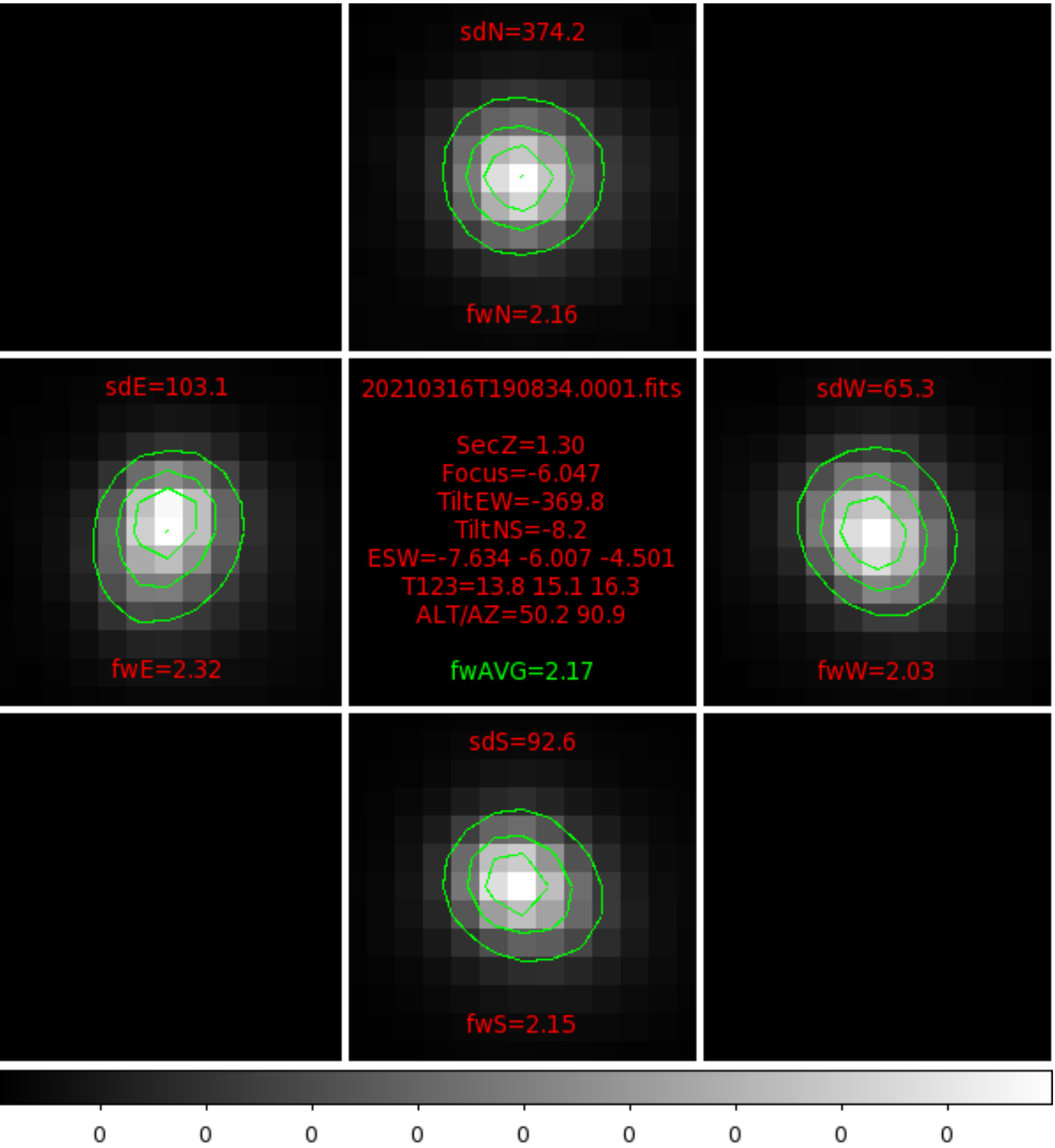
sdN=374.2
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20210316T190834.0001.fits
SecZ=1.30
Focus=-6.047
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.634 -6.007 -4.501
T123=13.8 15.1 16.3
ALT/AZ=50.2 90.9
fwAVG=2.17
sdW=65.3
fwW=2.03
sdS=92.6
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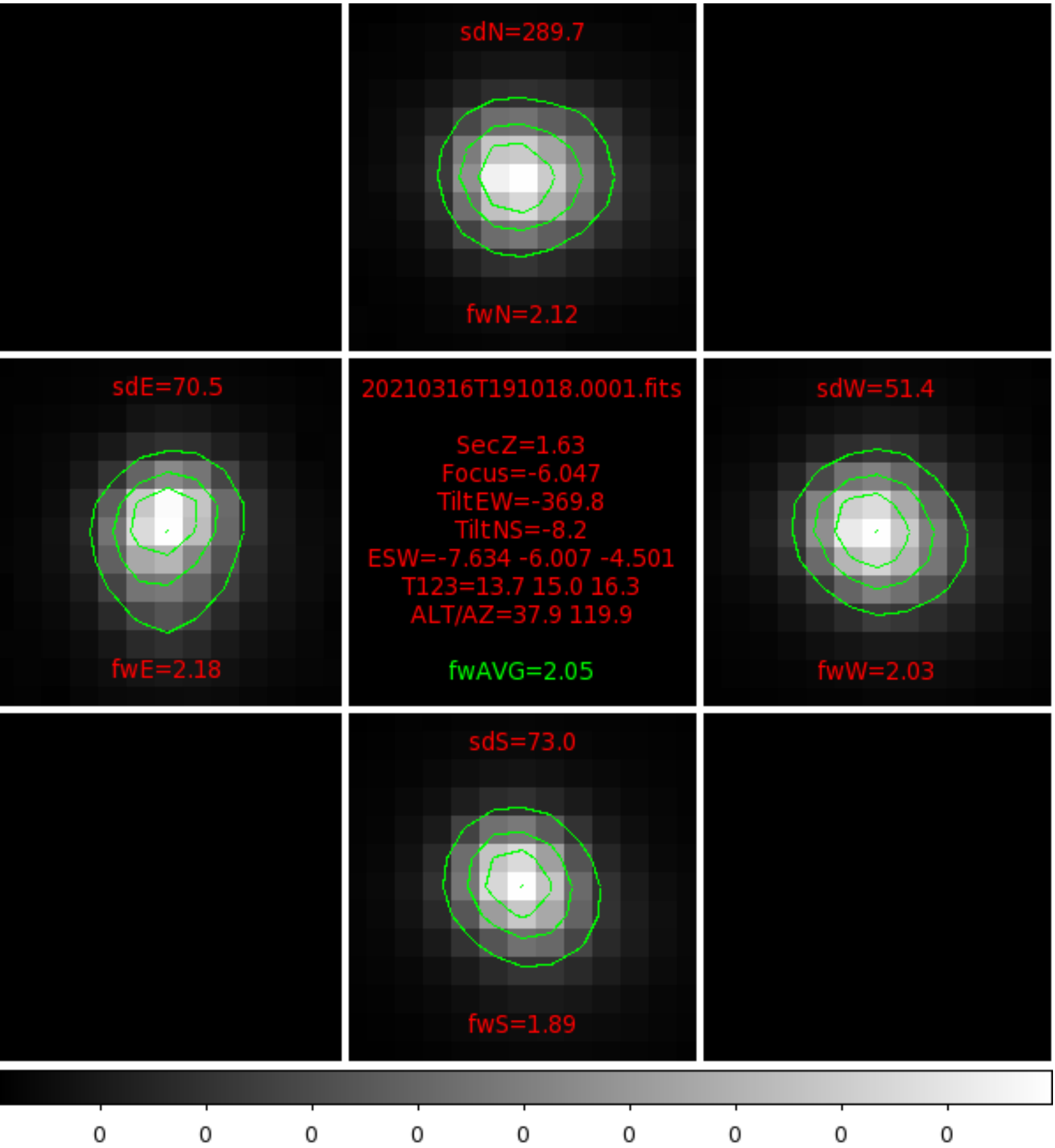
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sdE=70.5
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SecZ=1.63
Focus=-6.047
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.634 -6.007 -4.501
T123=13.7 15.0 16.3
ALT/AZ=37.9 119.9
fwAVG=2.05
sdW=51.4
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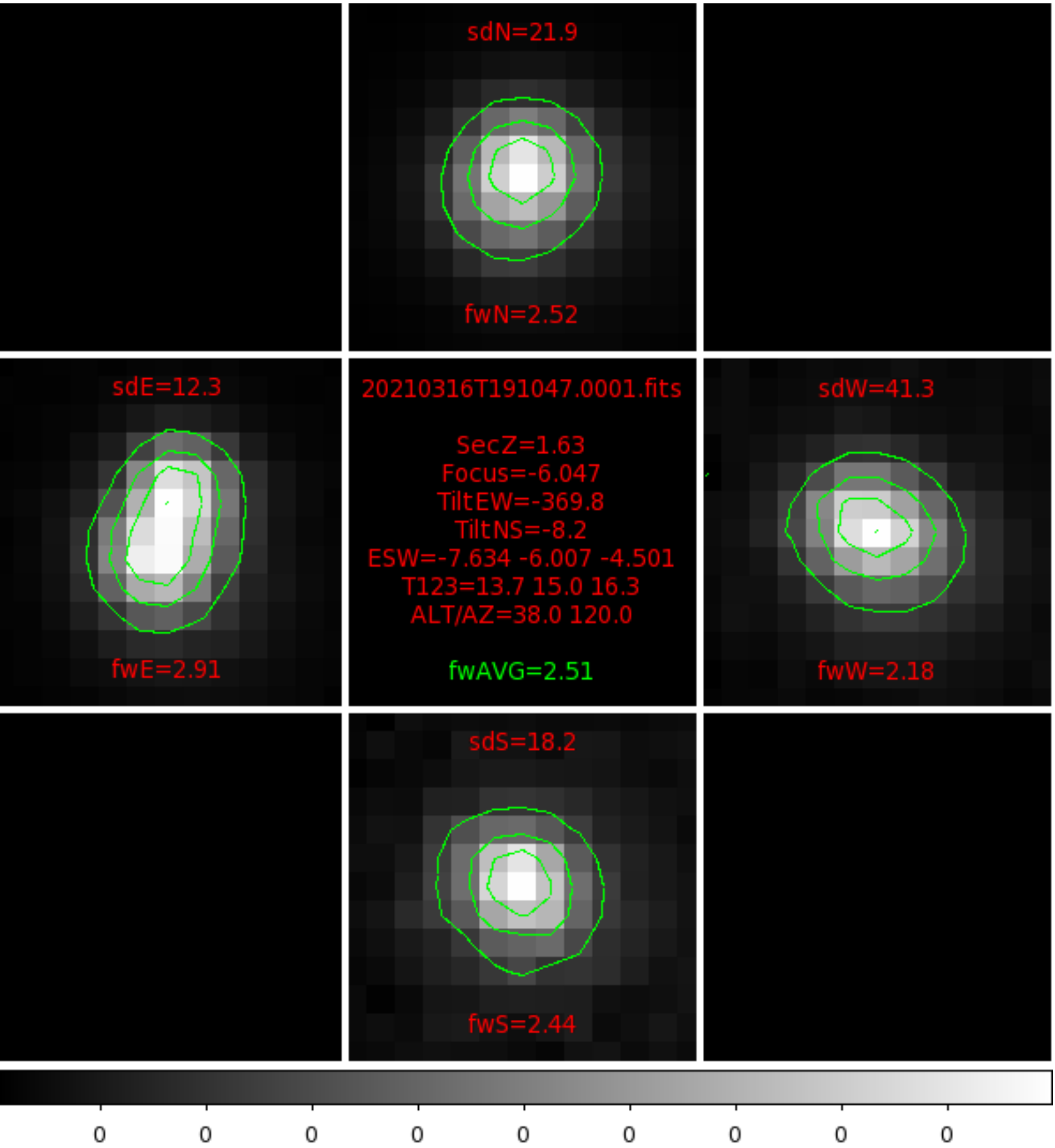
sdN=21.9
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sdE=12.3
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20210316T191047.0001.fits
SecZ=1.63
Focus=-6.047
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.634 -6.007 -4.501
T123=13.7 15.0 16.3
ALT/AZ=38.0 120.0
fwAVG=2.51
sdW=41.3
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sdS=18.2
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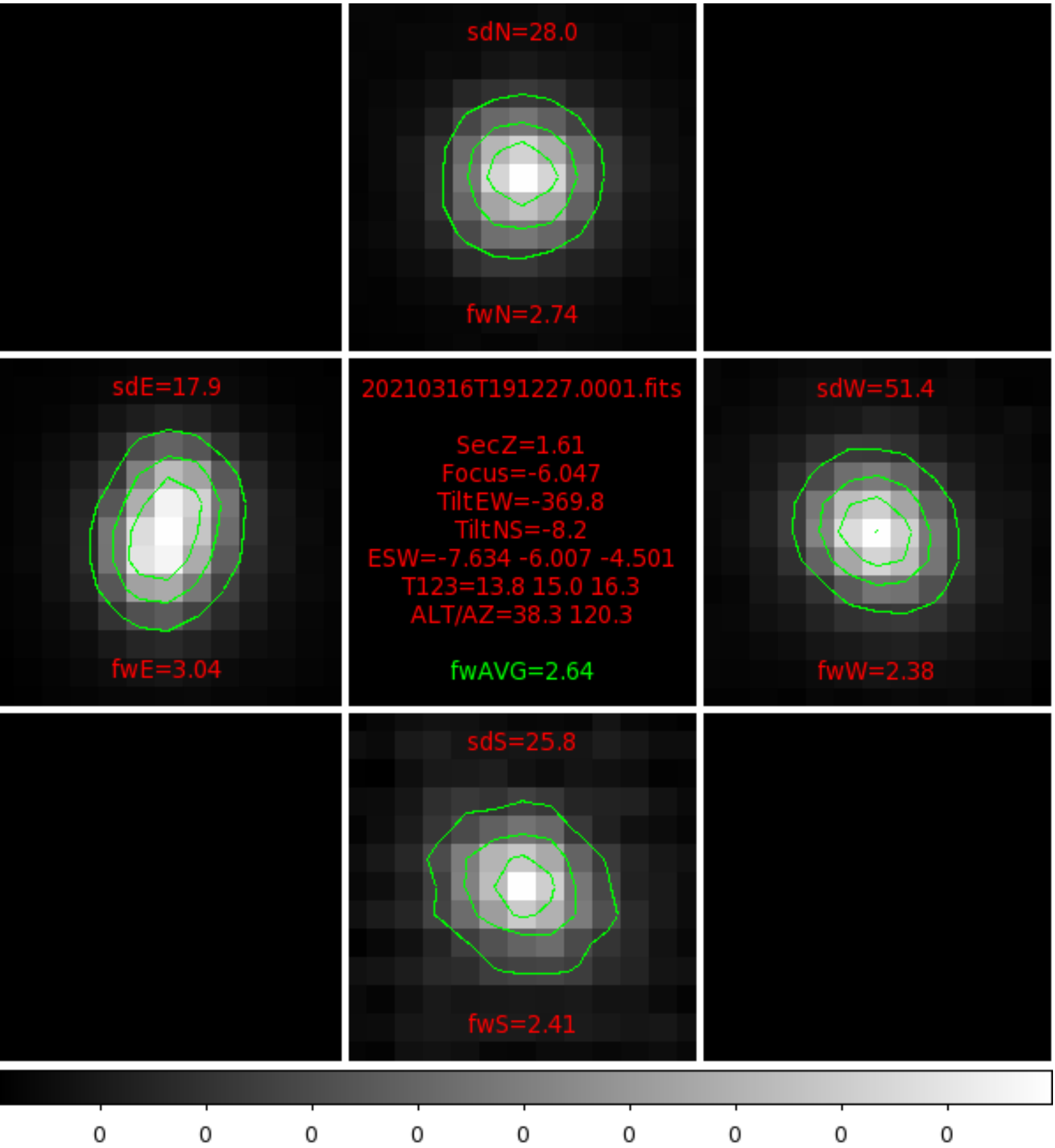
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sdE=17.9
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SecZ=1.61
Focus=-6.047
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.634 -6.007 -4.501
T123=13.8 15.0 16.3
ALT/AZ=38.3 120.3
fwAVG=2.64
sdW=51.4
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sdS=25.8
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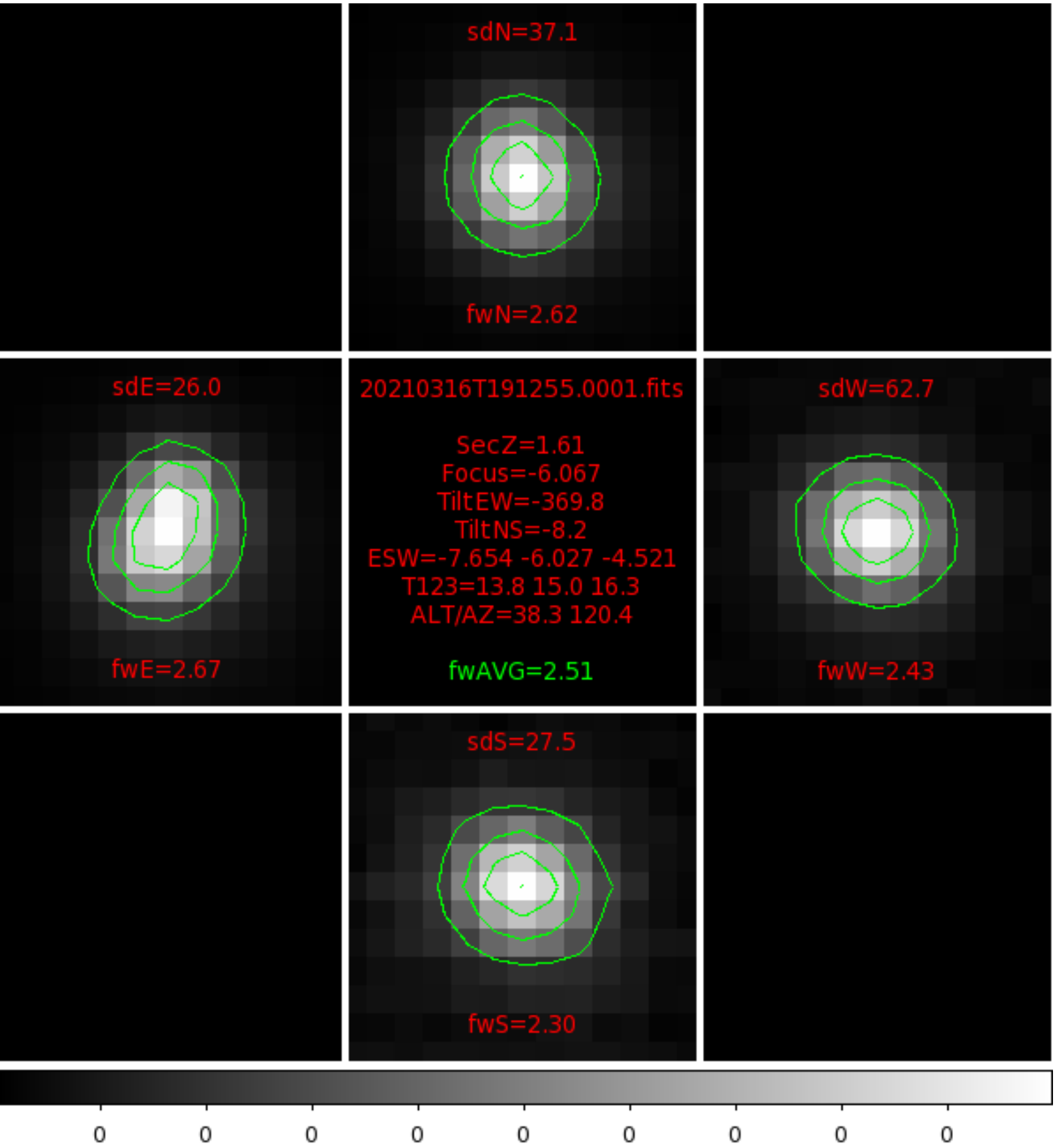
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sdE=26.0
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20210316T191255.0001.fits
SecZ=1.61
Focus=-6.067
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.654 -6.027 -4.521
T123=13.8 15.0 16.3
ALT/AZ=38.3 120.4
fwAVG=2.51
sdW=62.7
fwW=2.43
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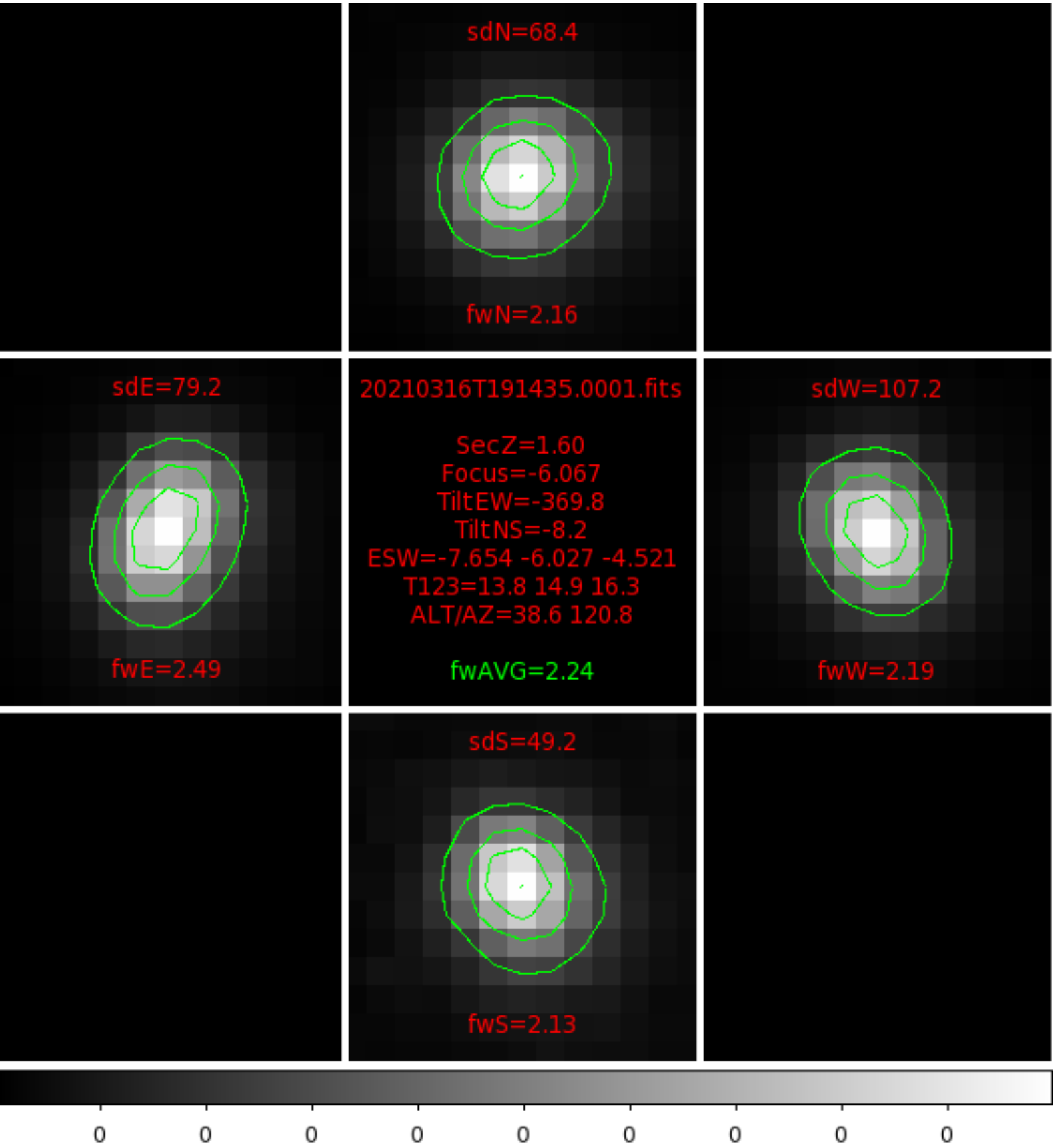
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SecZ=1.60
Focus=-6.067
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.654 -6.027 -4.521
T123=13.8 14.9 16.3
ALT/AZ=38.6 120.8
fwAVG=2.24
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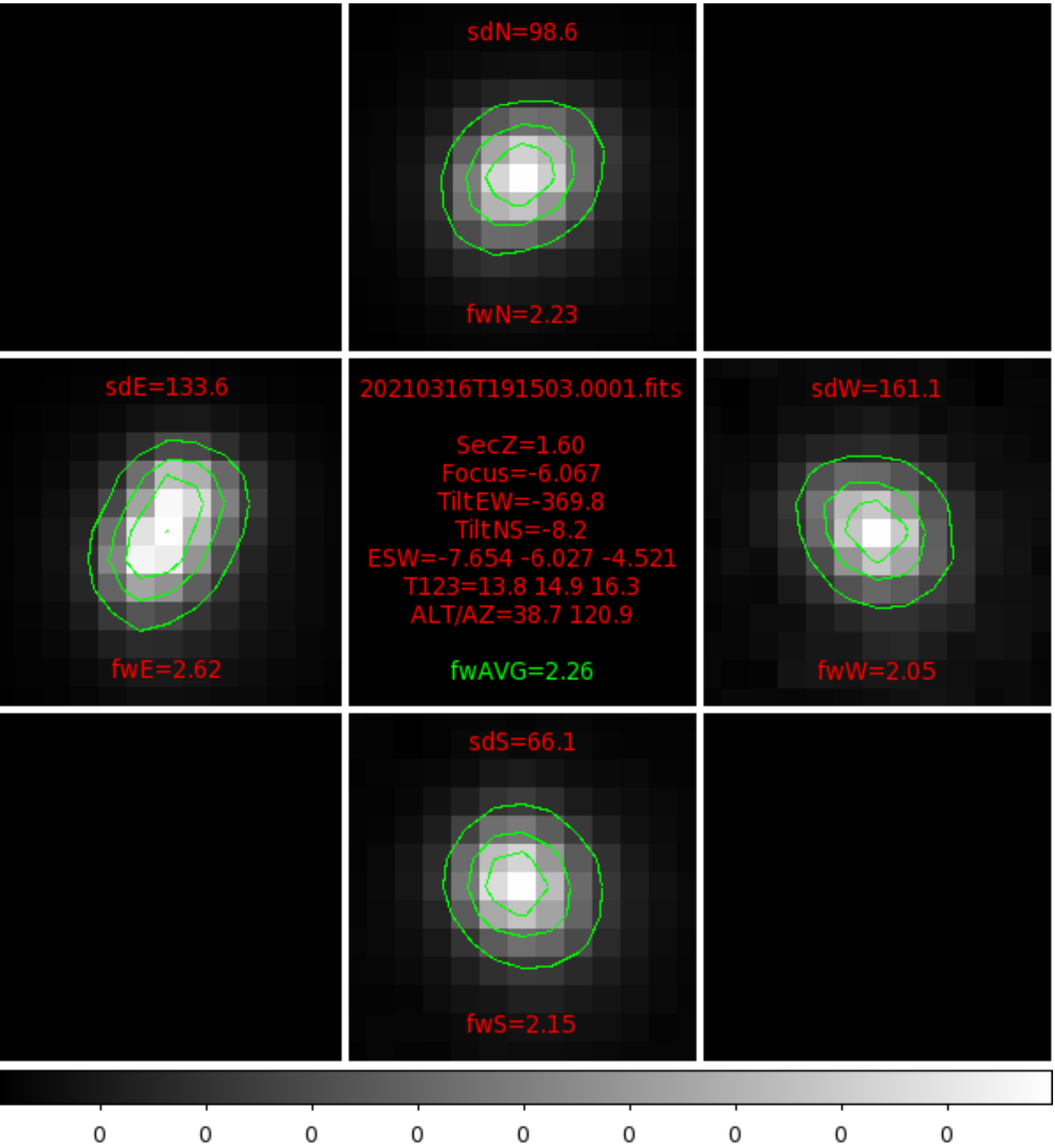
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sdE=133.6
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20210316T191503.0001.fits
SecZ=1.60
Focus=-6.067
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.654 -6.027 -4.521
T123=13.8 14.9 16.3
ALT/AZ=38.7 120.9
fwAVG=2.26
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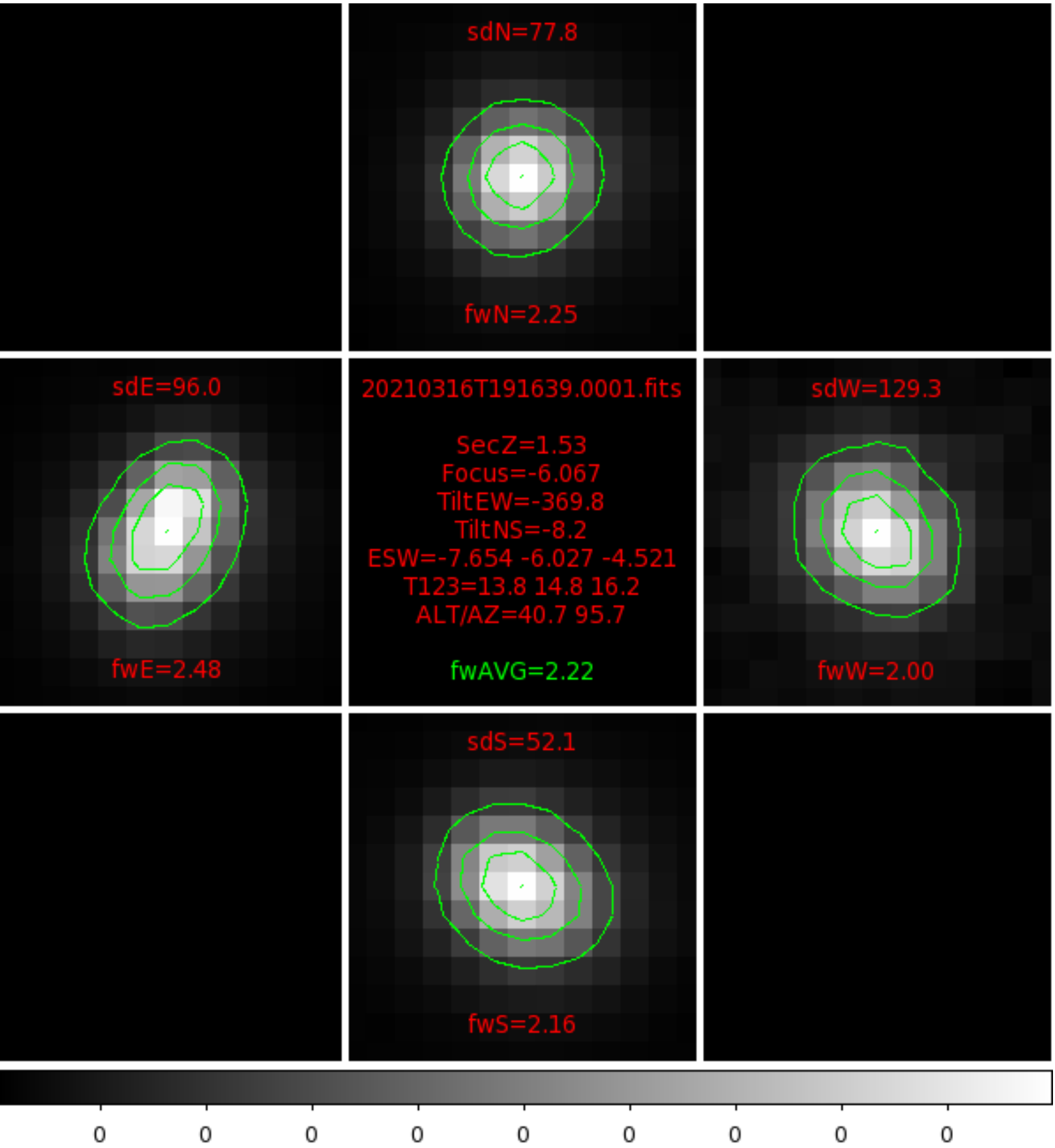
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sdE=96.0
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20210316T191639.0001.fits
SecZ=1.53
Focus=-6.067
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.654 -6.027 -4.521
T123=13.8 14.8 16.2
ALT/AZ=40.7 95.7
fwAVG=2.22
sdW=129.3
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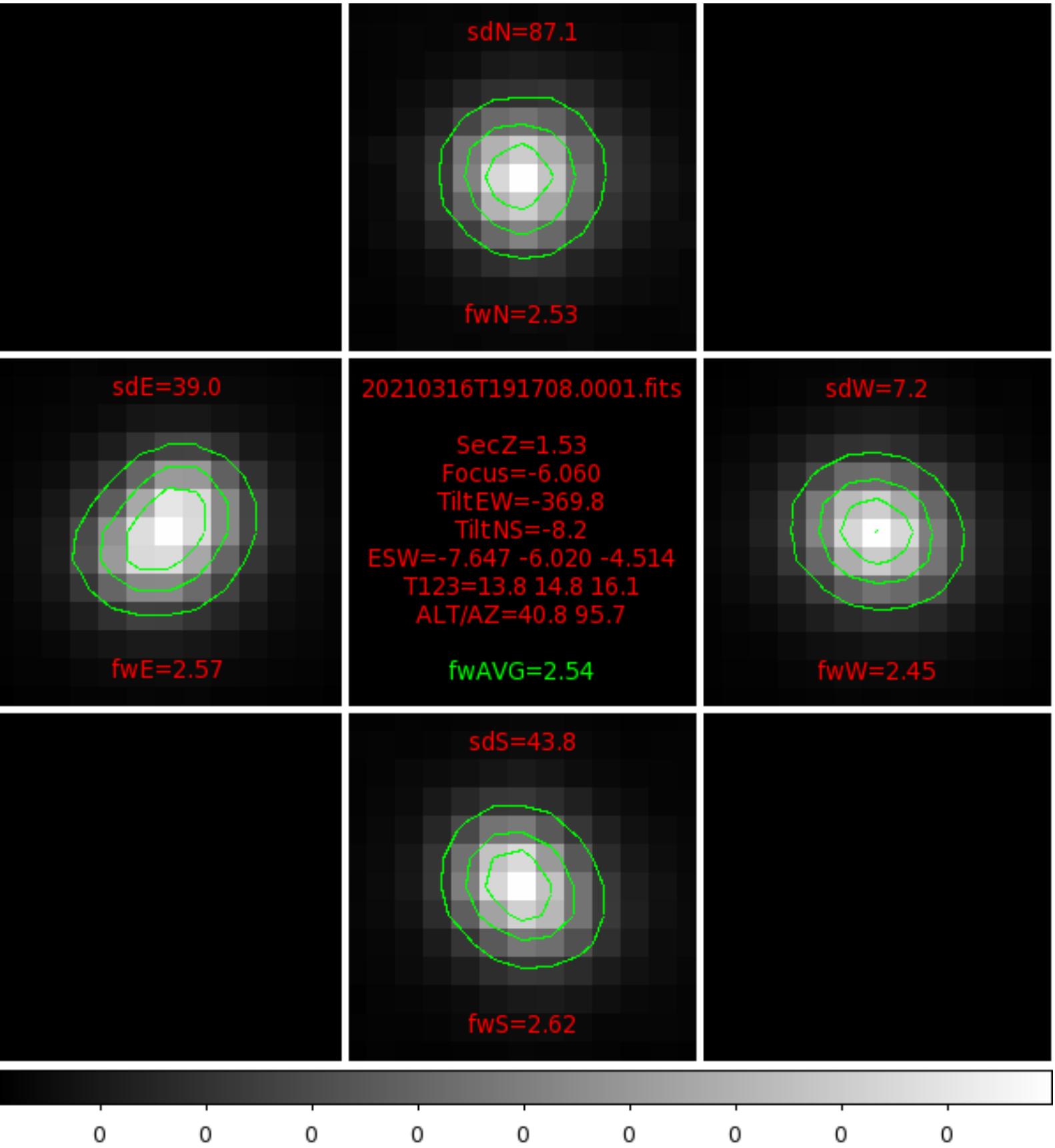
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sdE=39.0
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20210316T191708.0001.fits
SecZ=1.53
Focus=-6.060
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.647 -6.020 -4.514
T123=13.8 14.8 16.1
ALT/AZ=40.8 95.7
fwAVG=2.54
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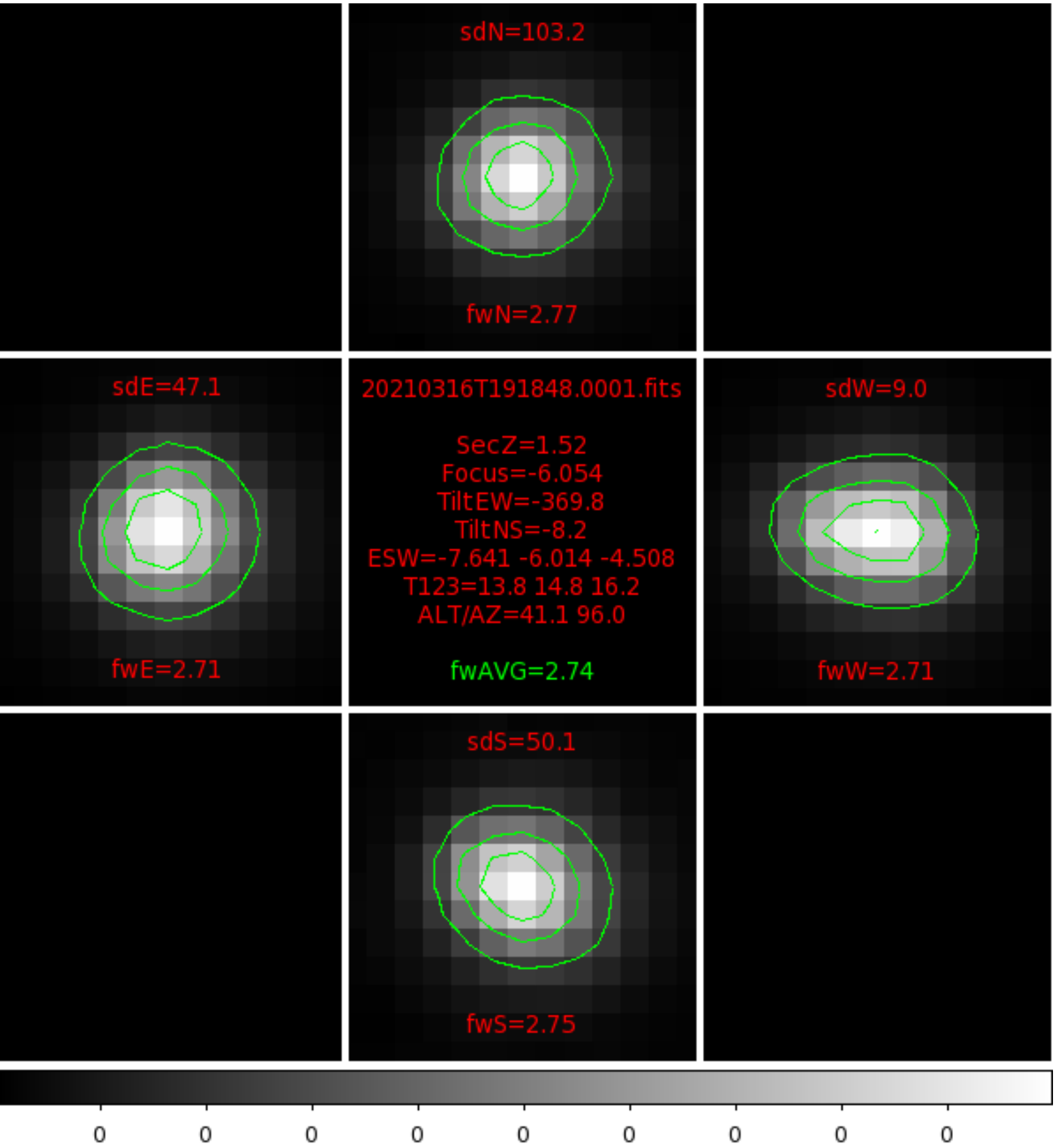
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20210316T191848.0001.fits
SecZ=1.52
Focus=-6.054
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.641 -6.014 -4.508
T123=13.8 14.8 16.2
ALT/AZ=41.1 96.0
fwAVG=2.74
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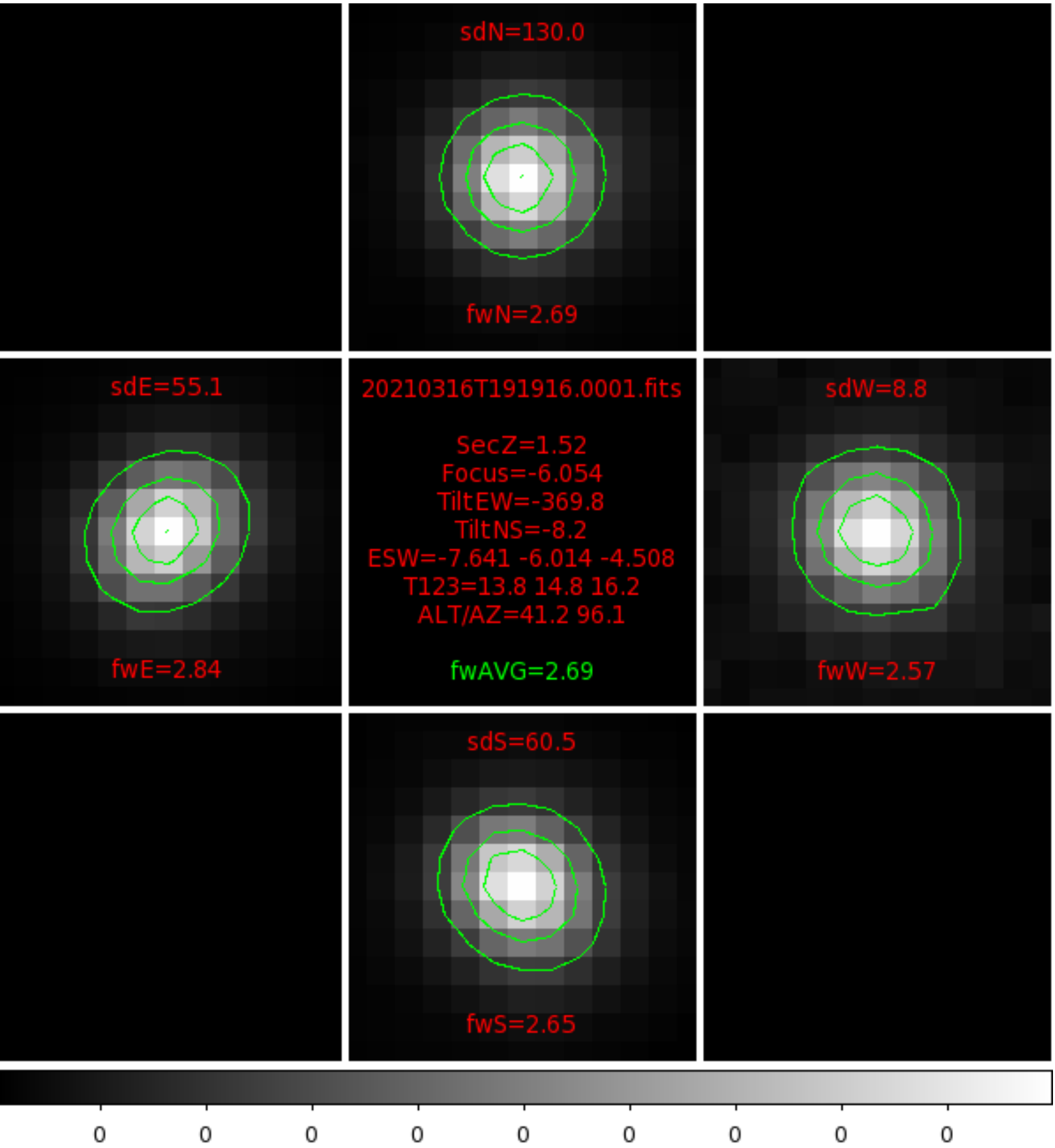
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sdE=55.1
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20210316T191916.0001.fits
SecZ=1.52
Focus=-6.054
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.641 -6.014 -4.508
T123=13.8 14.8 16.2
ALT/AZ=41.2 96.1
fwAVG=2.69
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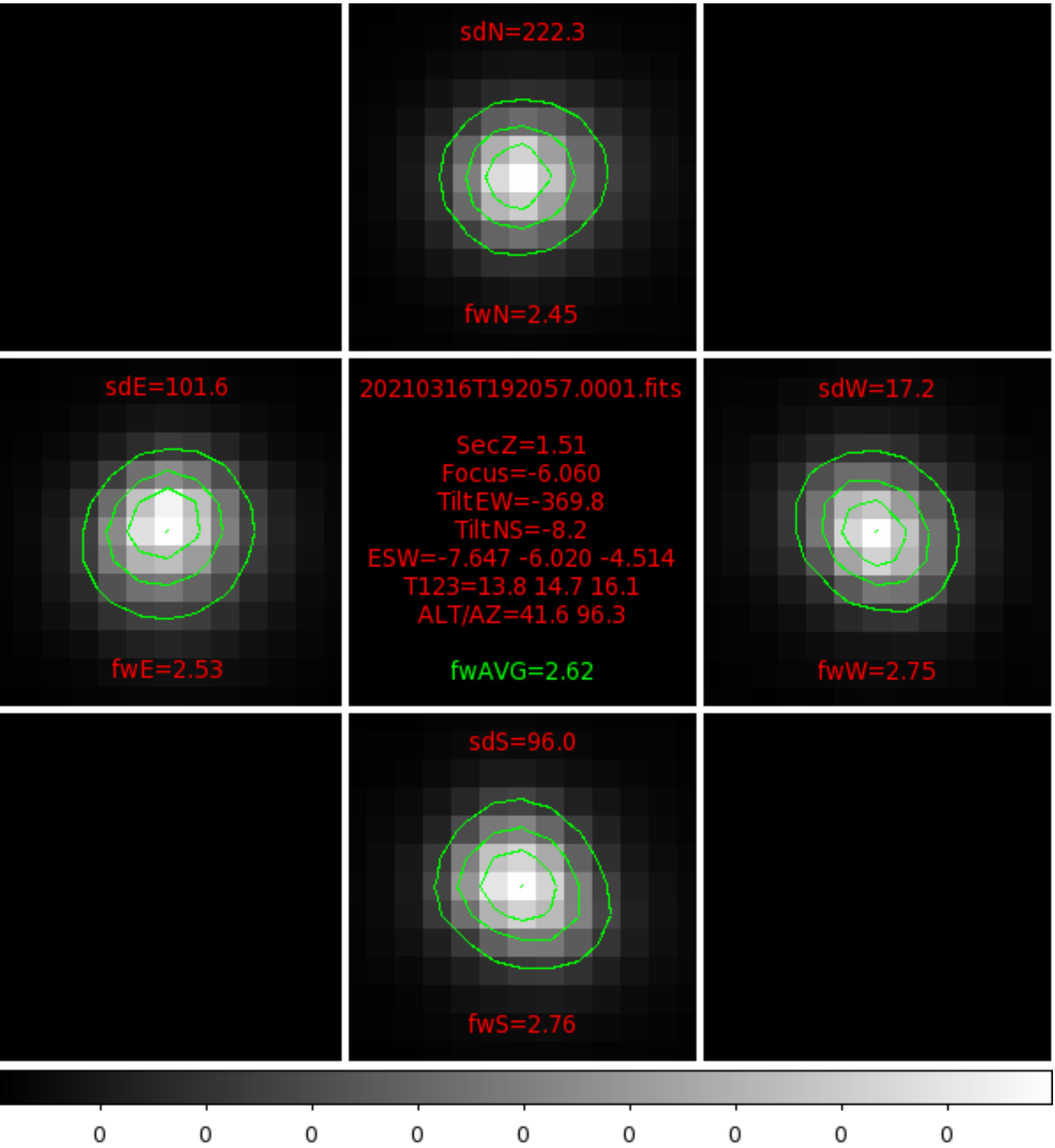
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fwN=2.45
sdE=101.6
fwE=2.53
20210316T192057.0001.fits
SecZ=1.51
Focus=-6.060
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.647 -6.020 -4.514
T123=13.8 14.7 16.1
ALT/AZ=41.6 96.3
fwAVG=2.62
sdW=17.2
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sdS=96.0
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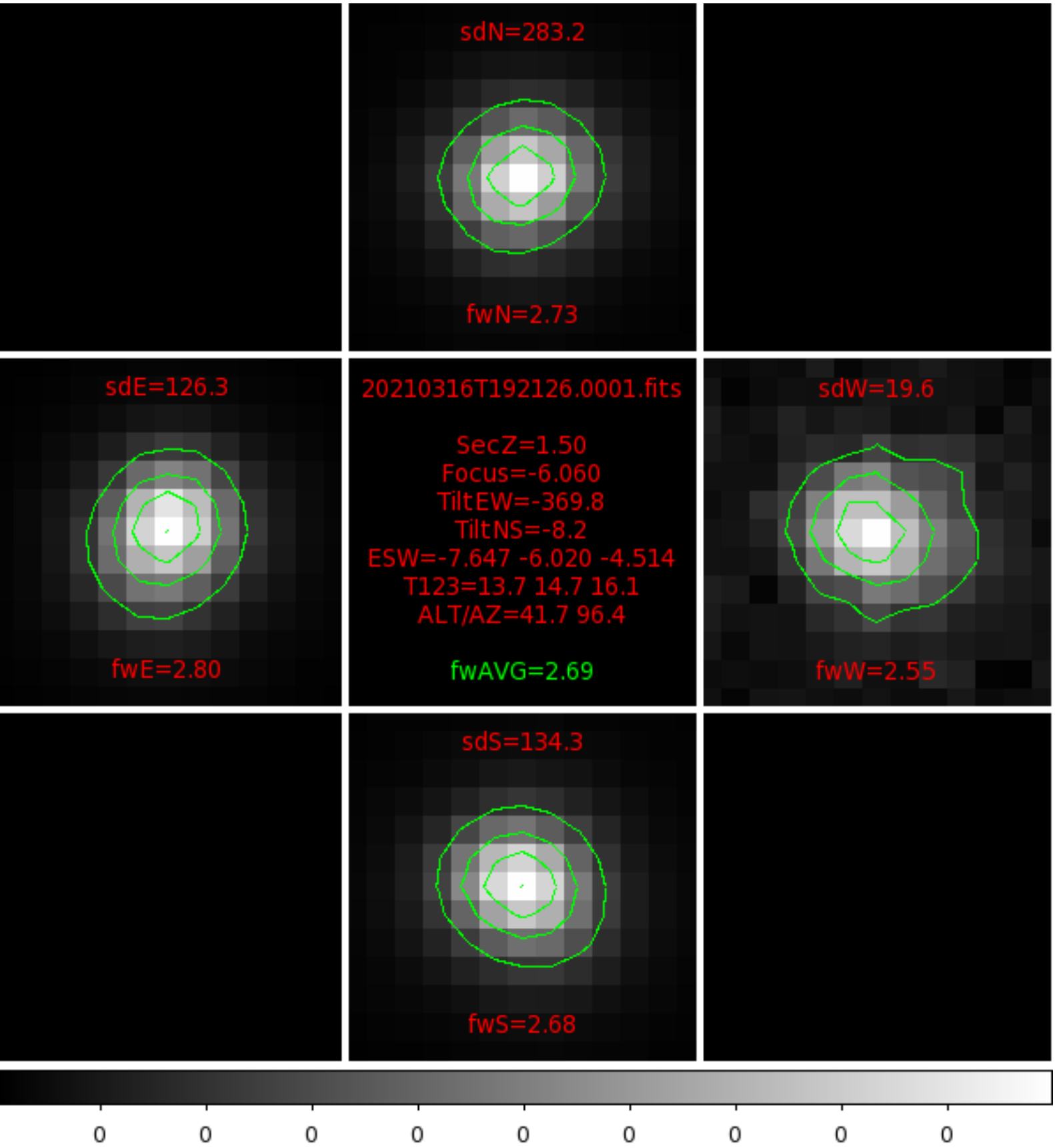
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sdE=126.3
fwE=2.80
20210316T192126.0001.fits
SecZ=1.50
Focus=-6.060
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.647 -6.020 -4.514
T123=13.7 14.7 16.1
ALT/AZ=41.7 96.4
fwAVG=2.69
sdW=19.6
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sdS=134.3
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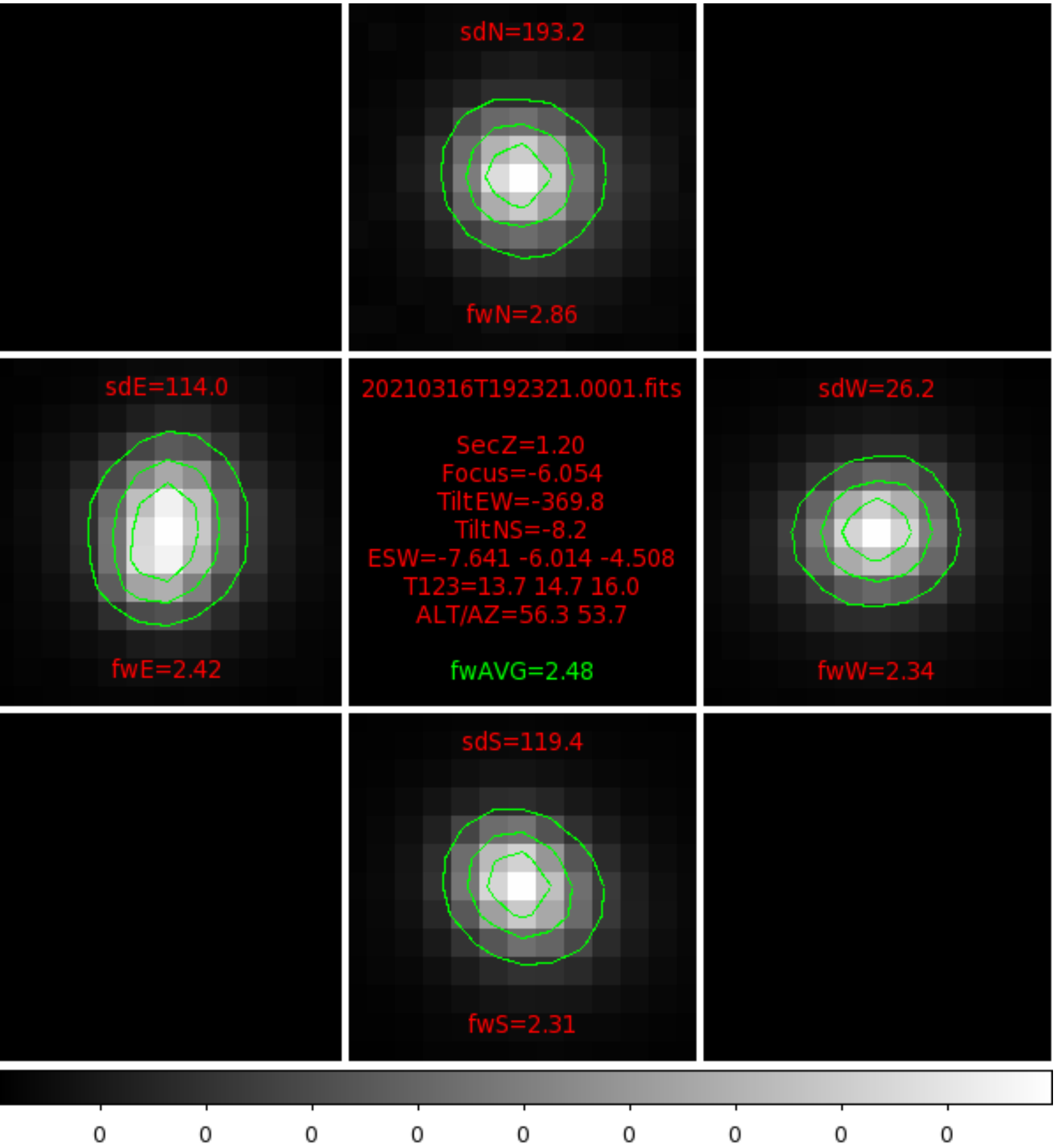
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sdE=114.0
fwE=2.42
20210316T192321.0001.fits
SecZ=1.20
Focus=-6.054
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.641 -6.014 -4.508
T123=13.7 14.7 16.0
ALT/AZ=56.3 53.7
fwAVG=2.48
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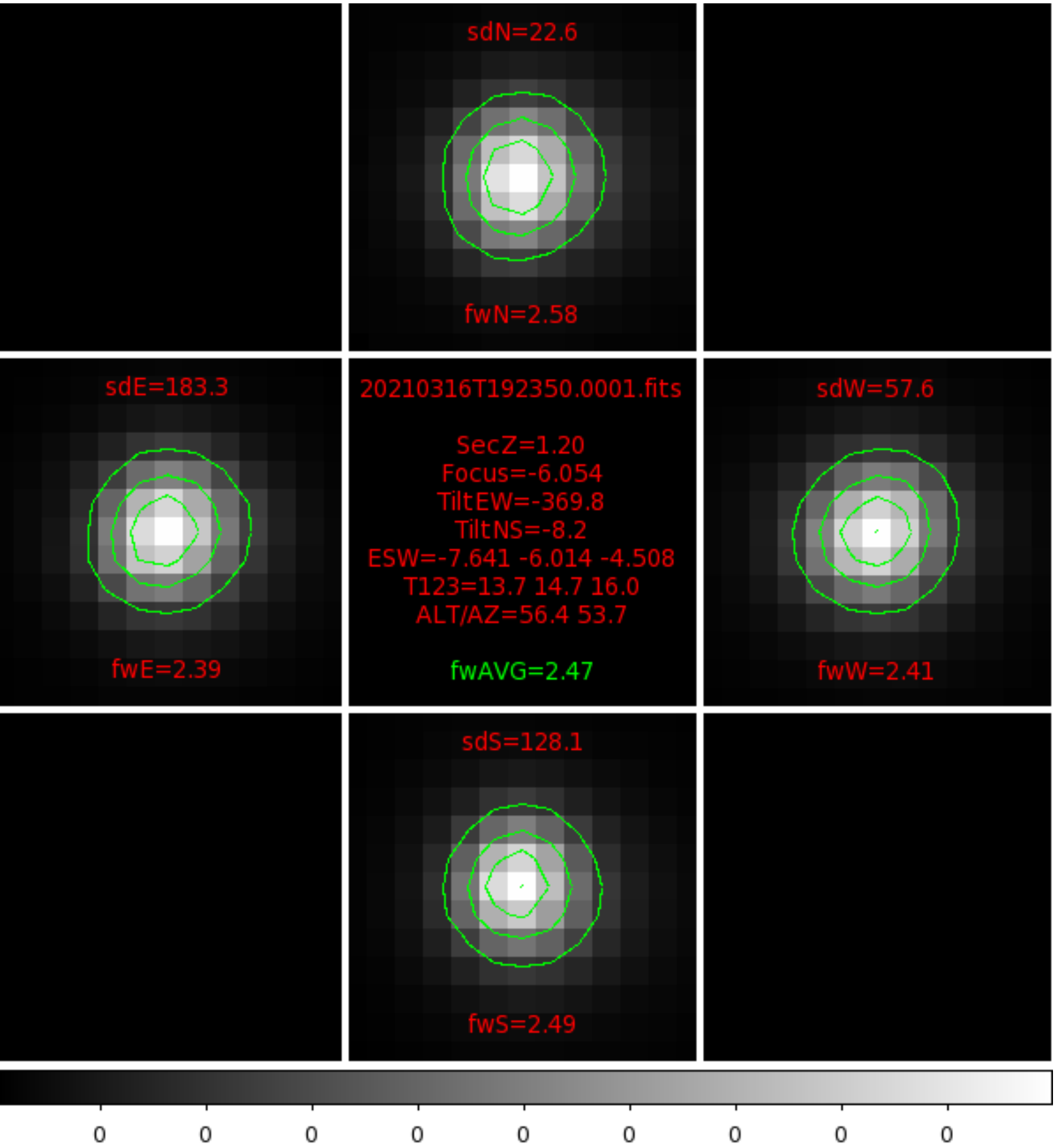
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sdE=183.3
fwE=2.39
20210316T192350.0001.fits
SecZ=1.20
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.641 -6.014 -4.508
T123=13.7 14.7 16.0
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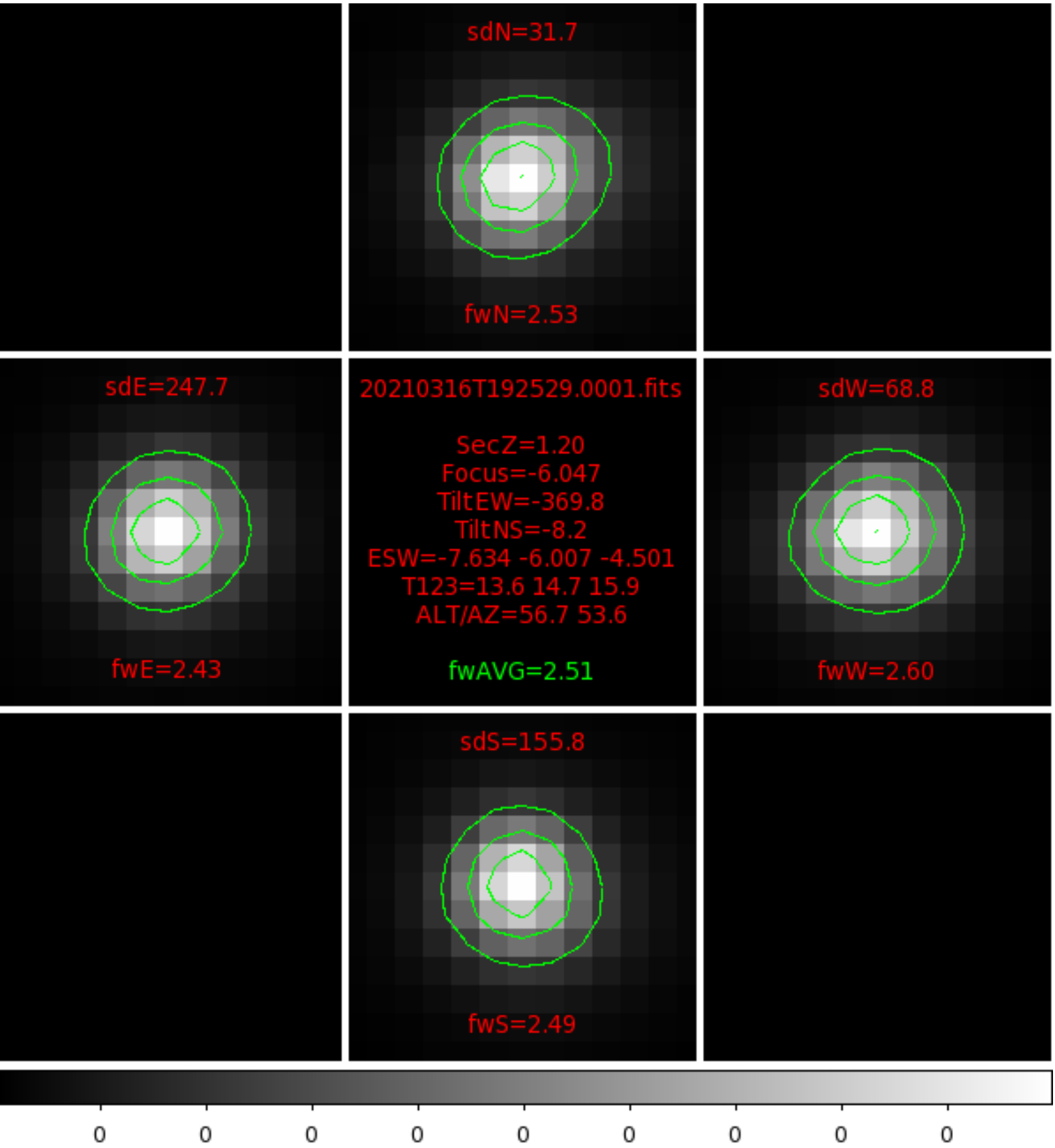
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20210316T192529.0001.fits
SecZ=1.20
Focus=-6.047
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.634 -6.007 -4.501
T123=13.6 14.7 15.9
ALT/AZ=56.7 53.6
fwAVG=2.51
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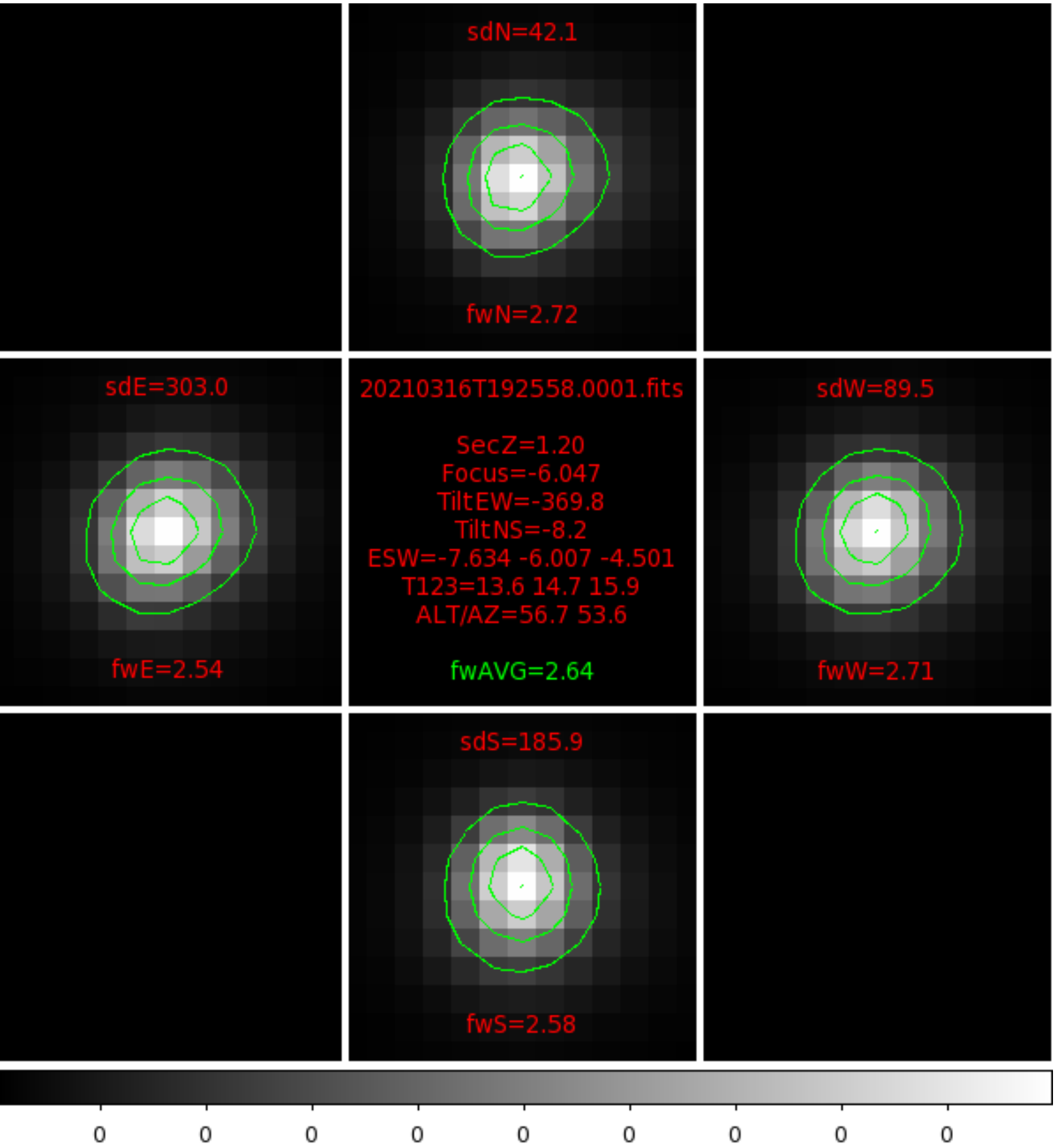
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SecZ=1.20
Focus=-6.047
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.634 -6.007 -4.501
T123=13.6 14.7 15.9
ALT/AZ=56.7 53.6
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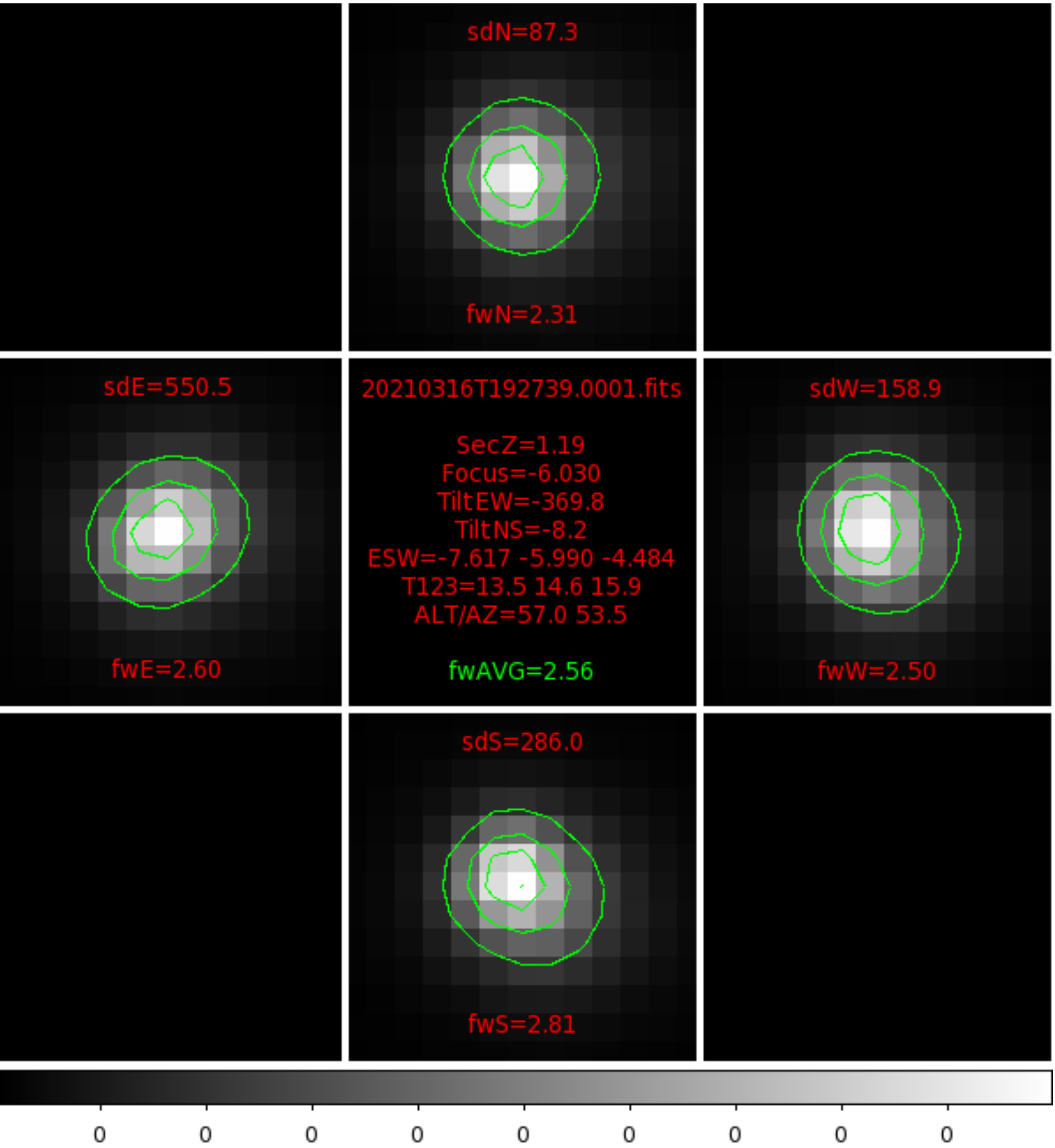
sdN=87.3
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sdE=550.5
fwE=2.60
20210316T192739.0001.fits
SecZ=1.19
Focus=-6.030
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.617 -5.990 -4.484
T123=13.5 14.6 15.9
ALT/AZ=57.0 53.5
fwAVG=2.56
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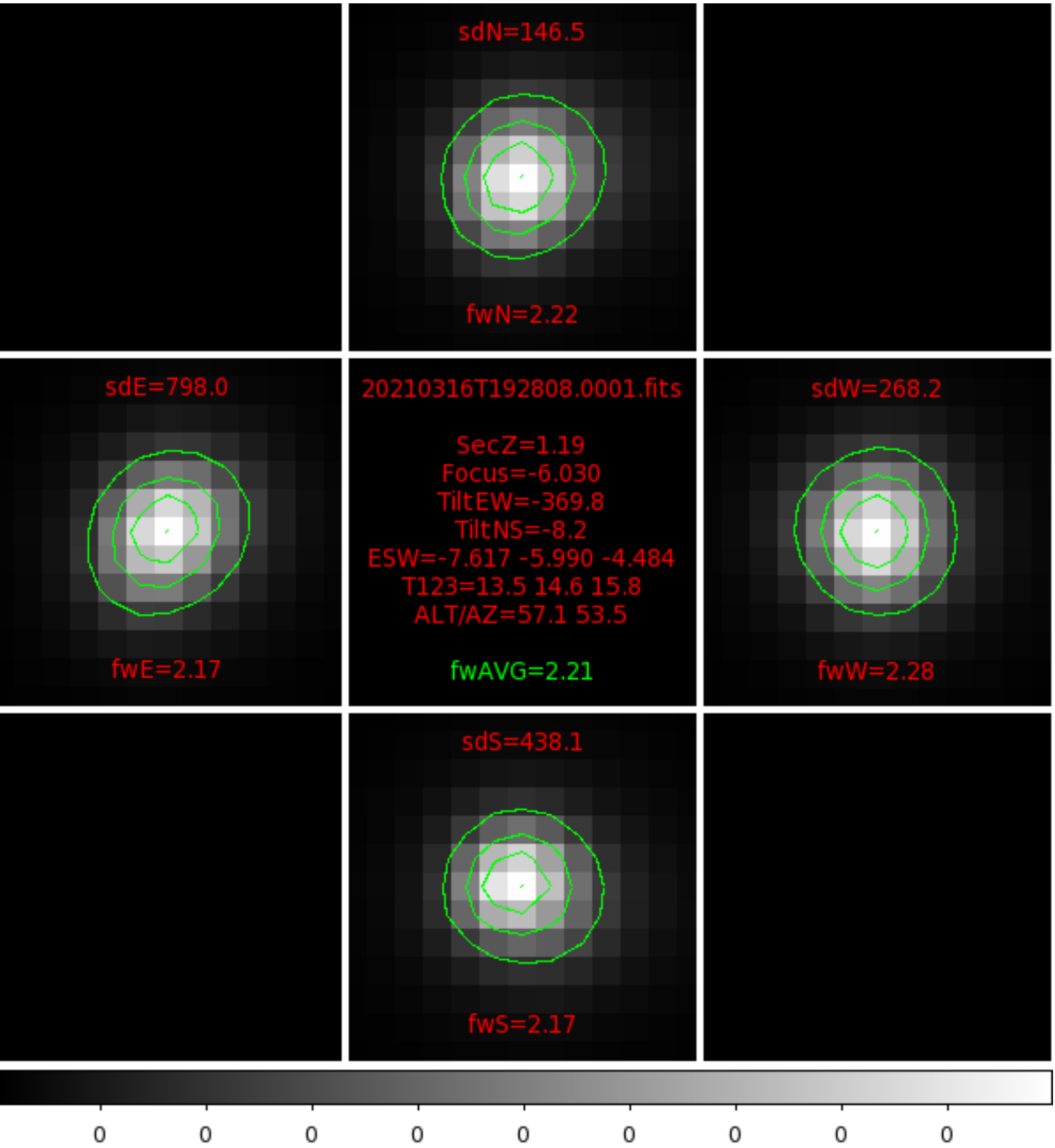
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20210316T192808.0001.fits
SecZ=1.19
Focus=-6.030
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.617 -5.990 -4.484
T123=13.5 14.6 15.8
ALT/AZ=57.1 53.5
fwAVG=2.21
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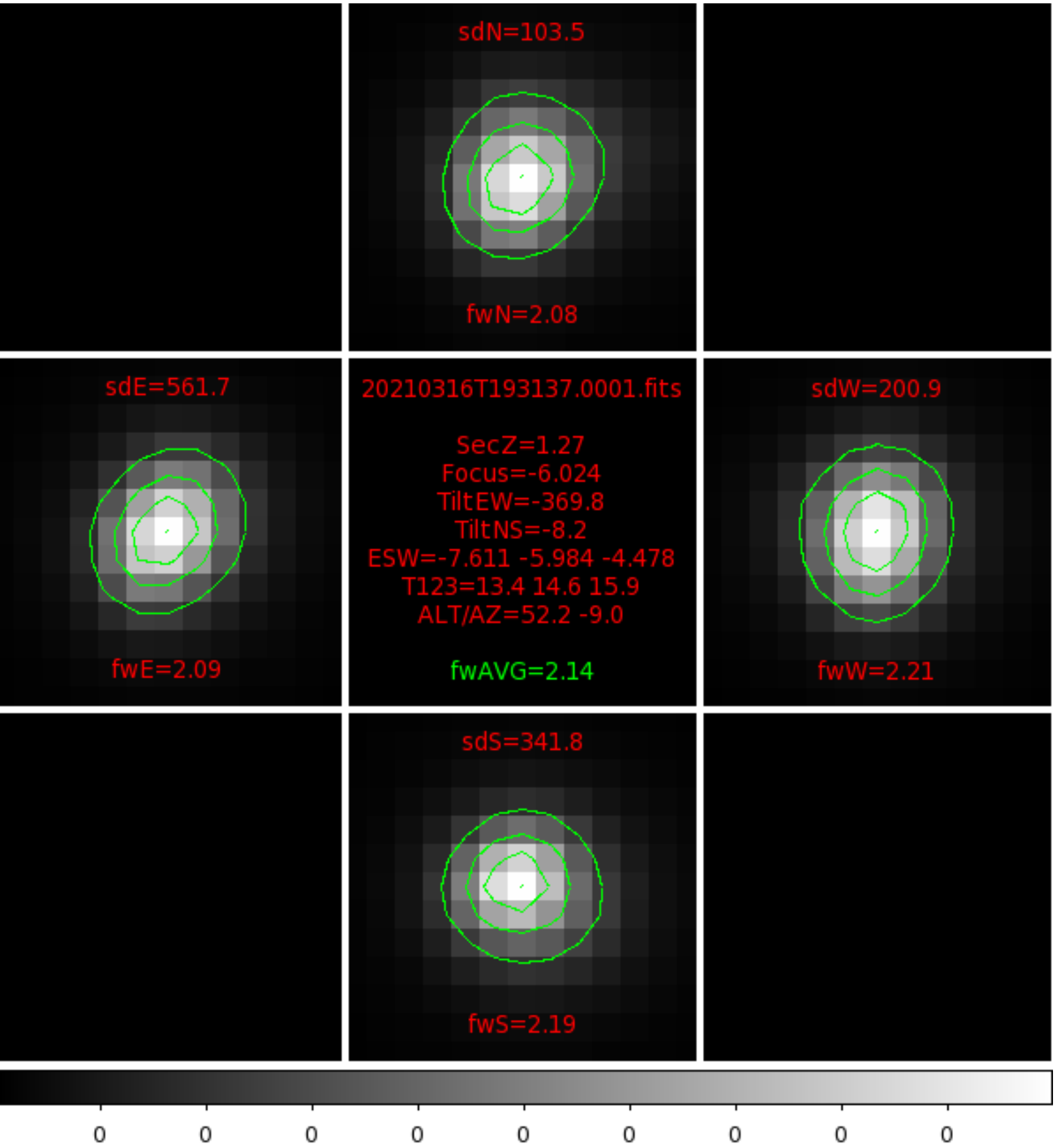
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20210316T193137.0001.fits
SecZ=1.27
Focus=-6.024
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.611 -5.984 -4.478
T123=13.4 14.6 15.9
ALT/AZ=52.2 -9.0
fwAVG=2.14
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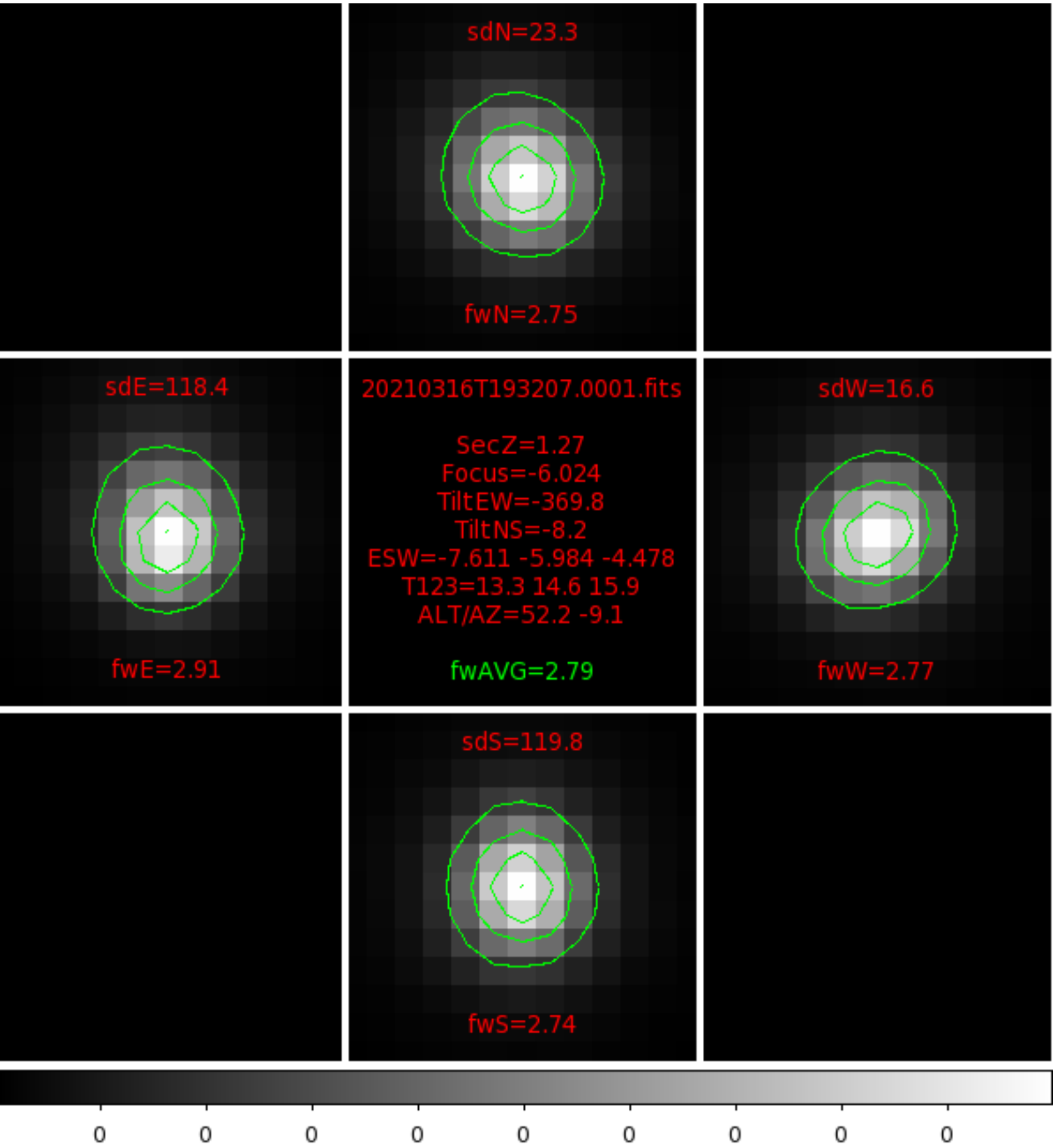
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20210316T193207.0001.fits
SecZ=1.27
Focus=-6.024
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.611 -5.984 -4.478
T123=13.3 14.6 15.9
ALT/AZ=52.2 -9.1
fwAVG=2.79
sdW=16.6
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sdS=119.8
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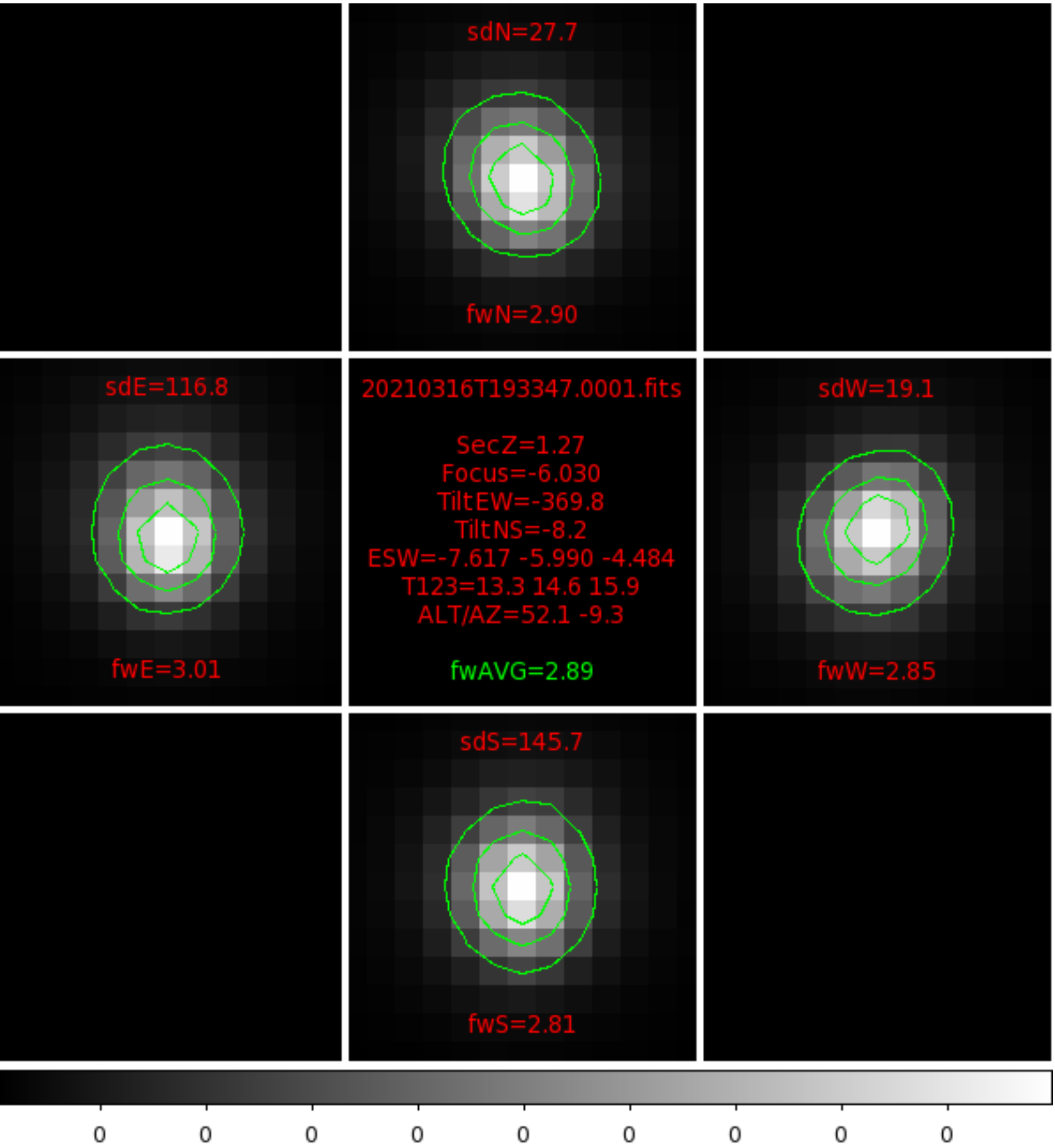
sdN=27.7
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20210316T193347.0001.fits
SecZ=1.27
Focus=-6.030
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.617 -5.990 -4.484
T123=13.3 14.6 15.9
ALT/AZ=52.1 -9.3
fwAVG=2.89
sdW=19.1
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sdS=145.7
fwS=2.81
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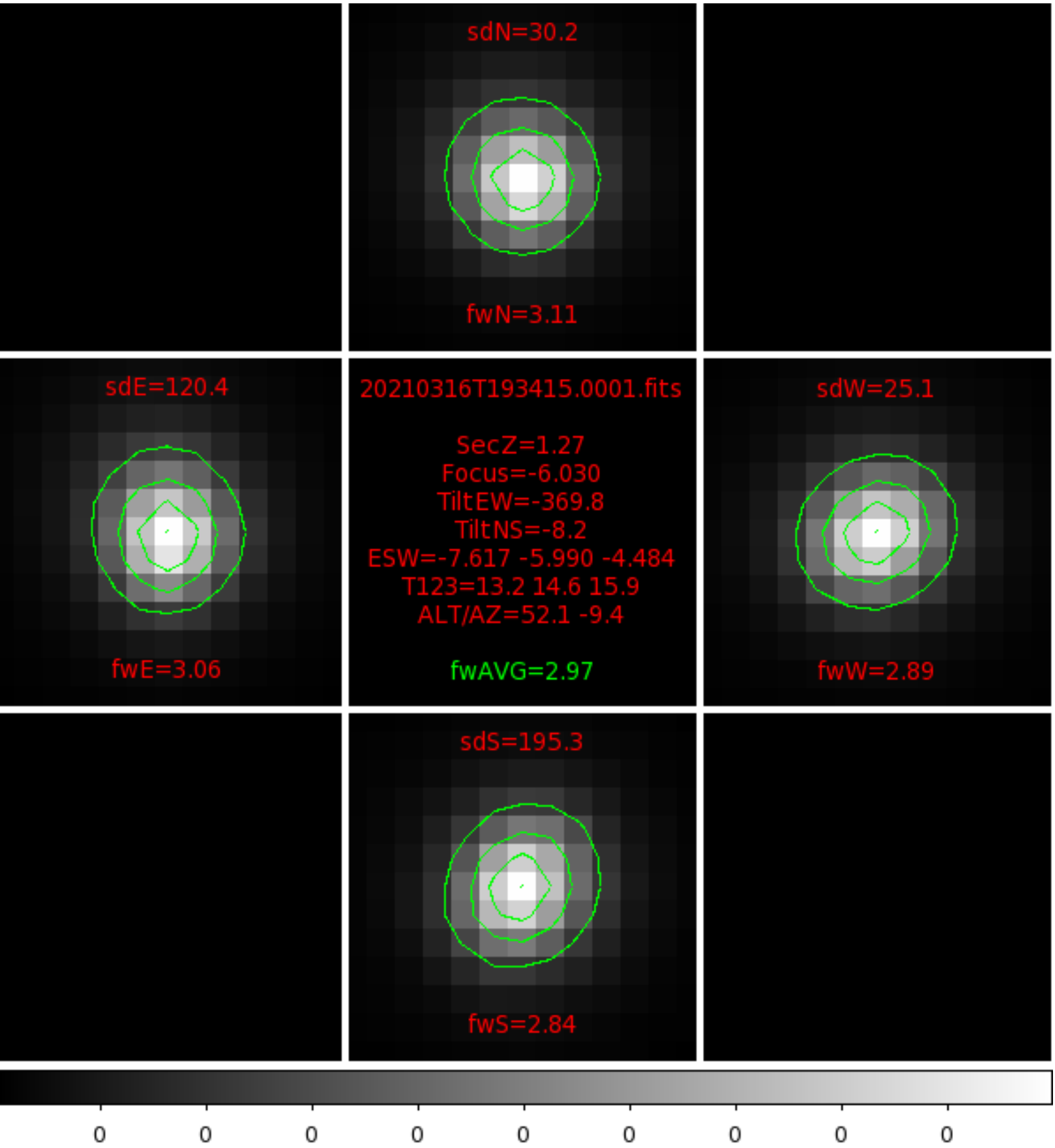
sdN=30.2
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SecZ=1.27
Focus=-6.030
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.617 -5.990 -4.484
T123=13.2 14.6 15.9
ALT/AZ=52.1 -9.4
fwAVG=2.97
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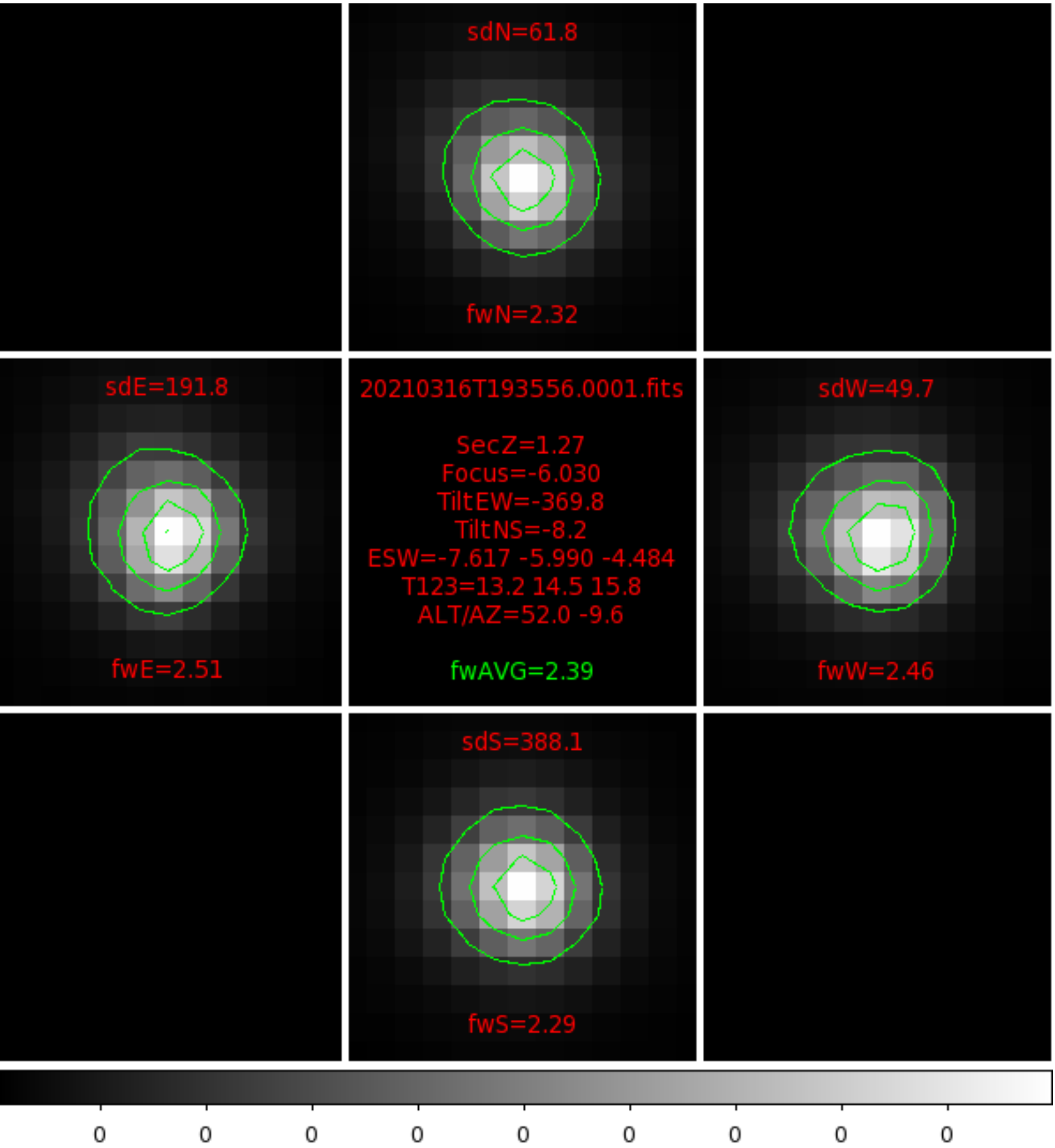
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20210316T193556.0001.fits
SecZ=1.27
Focus=-6.030
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.617 -5.990 -4.484
T123=13.2 14.5 15.8
ALT/AZ=52.0 -9.6
fwAVG=2.39
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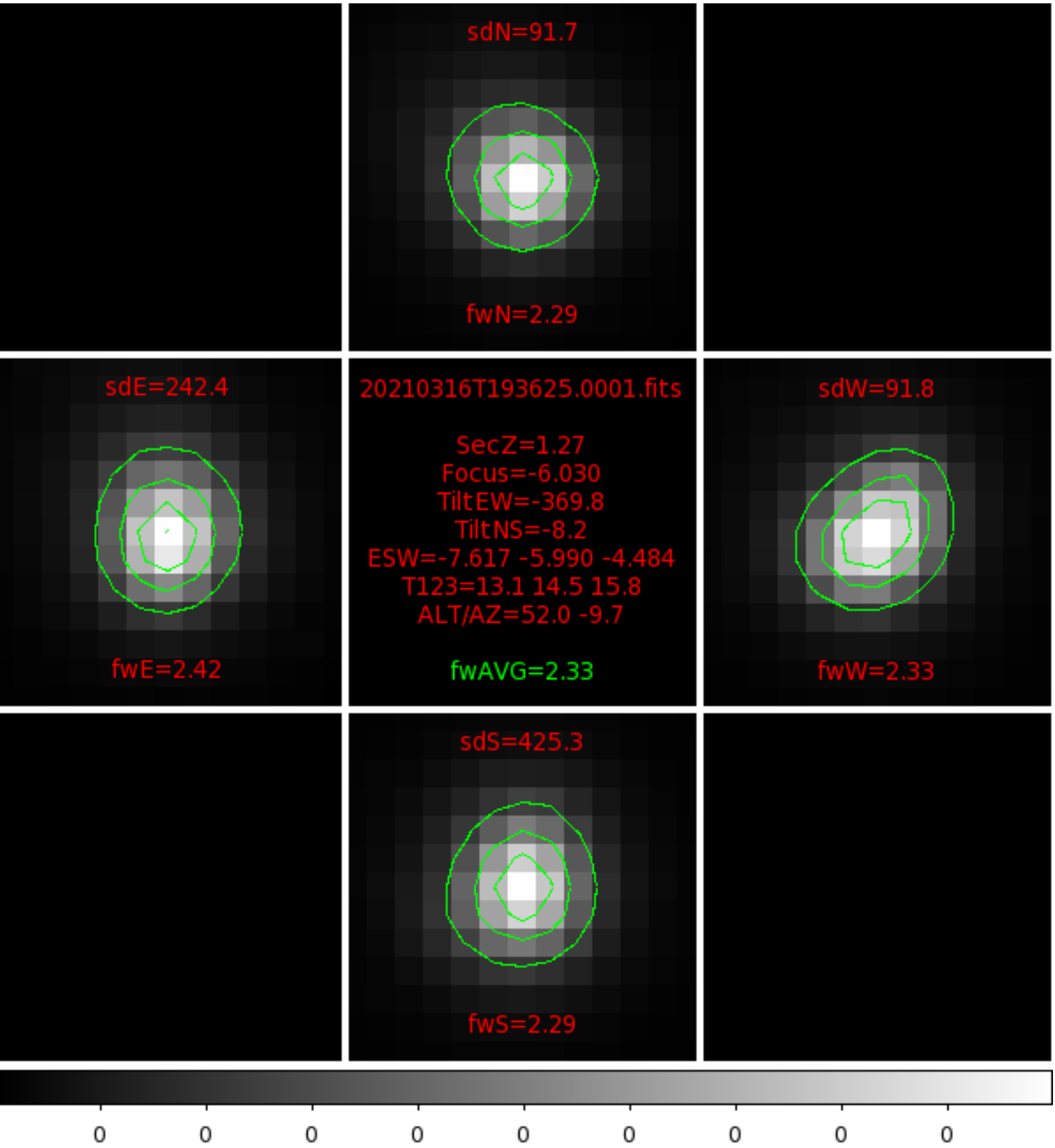
sdN=91.7
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SecZ=1.27
Focus=-6.030
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.617 -5.990 -4.484
T123=13.1 14.5 15.8
ALT/AZ=52.0 -9.7
fwAVG=2.33
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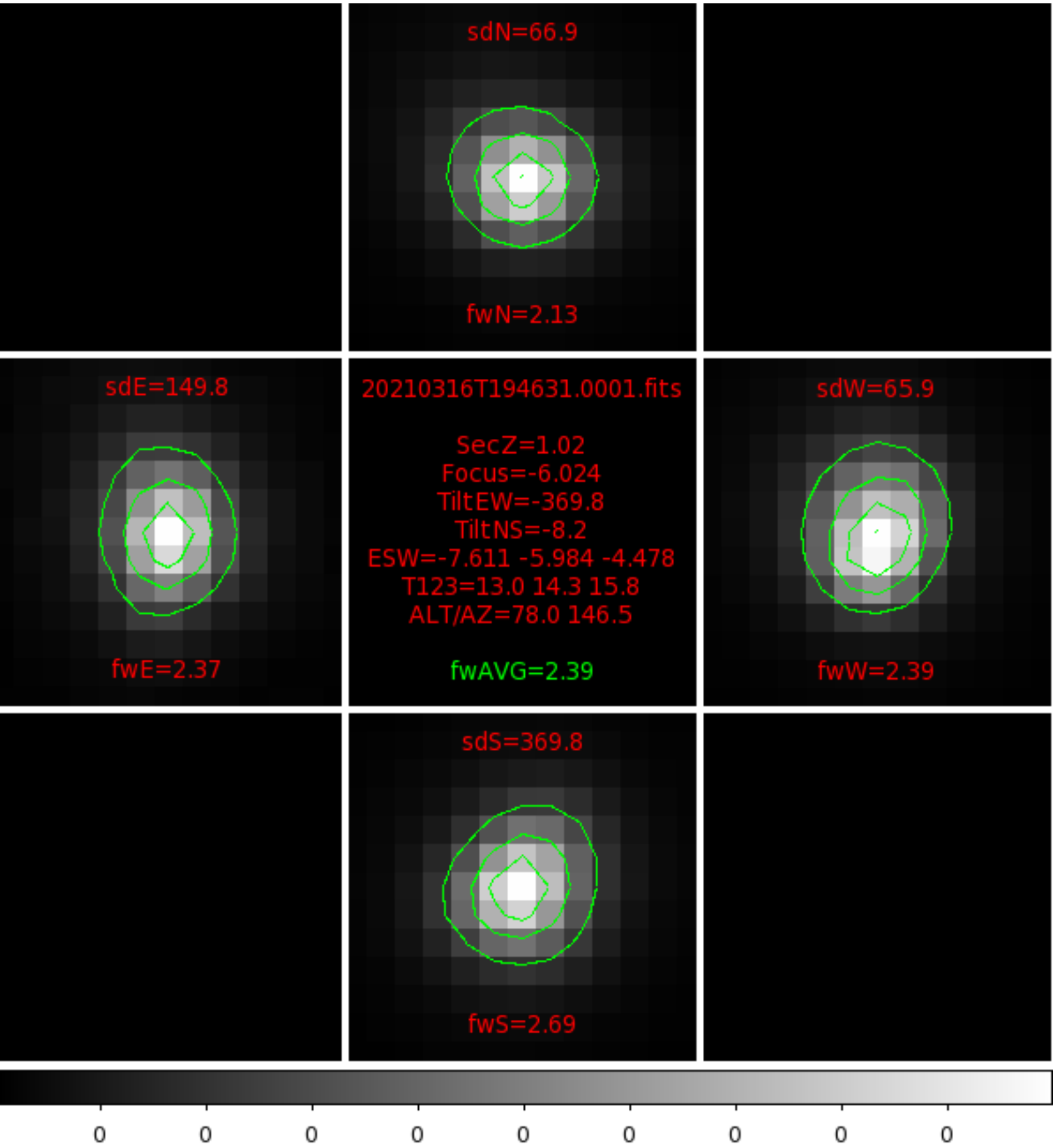
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Focus=-6.024
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.611 -5.984 -4.478
T123=13.0 14.3 15.8
ALT/AZ=78.0 146.5
fwAVG=2.39
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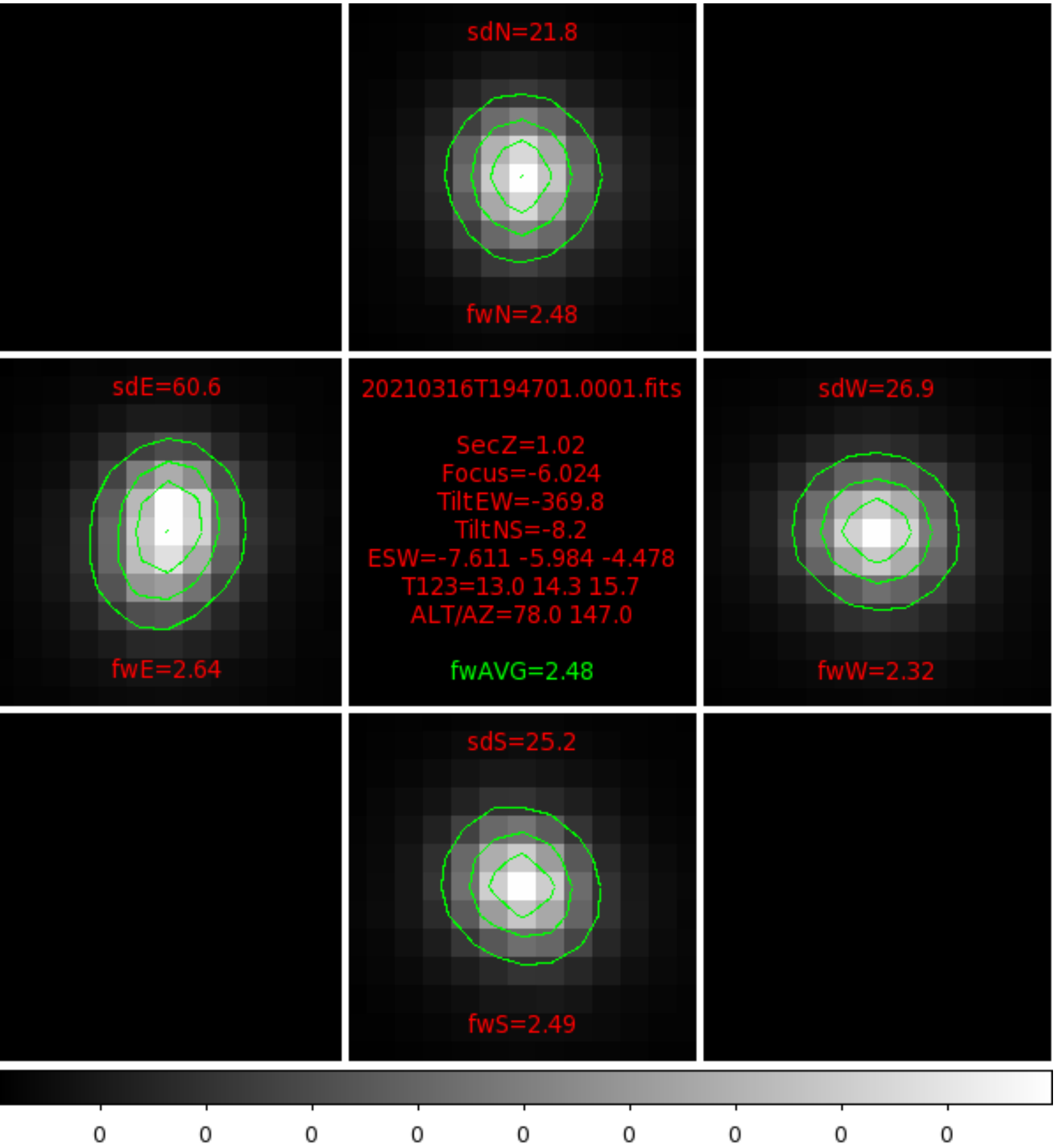
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SecZ=1.02
Focus=-6.024
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.611 -5.984 -4.478
T123=13.0 14.3 15.7
ALT/AZ=78.0 147.0
fwAVG=2.48
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sdS=25.2
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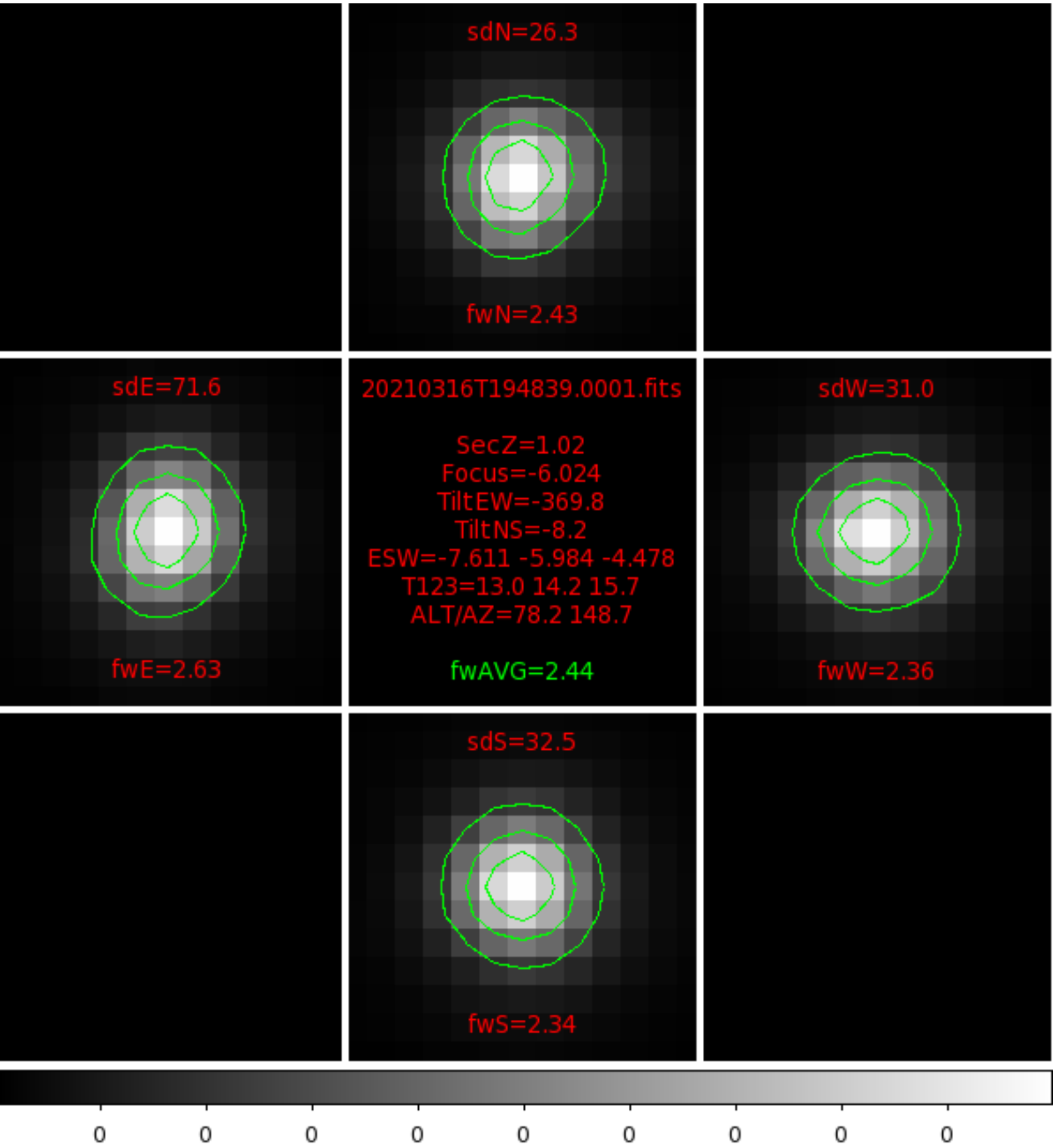
sdN=26.3
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SecZ=1.02
Focus=-6.024
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.611 -5.984 -4.478
T123=13.0 14.2 15.7
ALT/AZ=78.2 148.7
fwAVG=2.44
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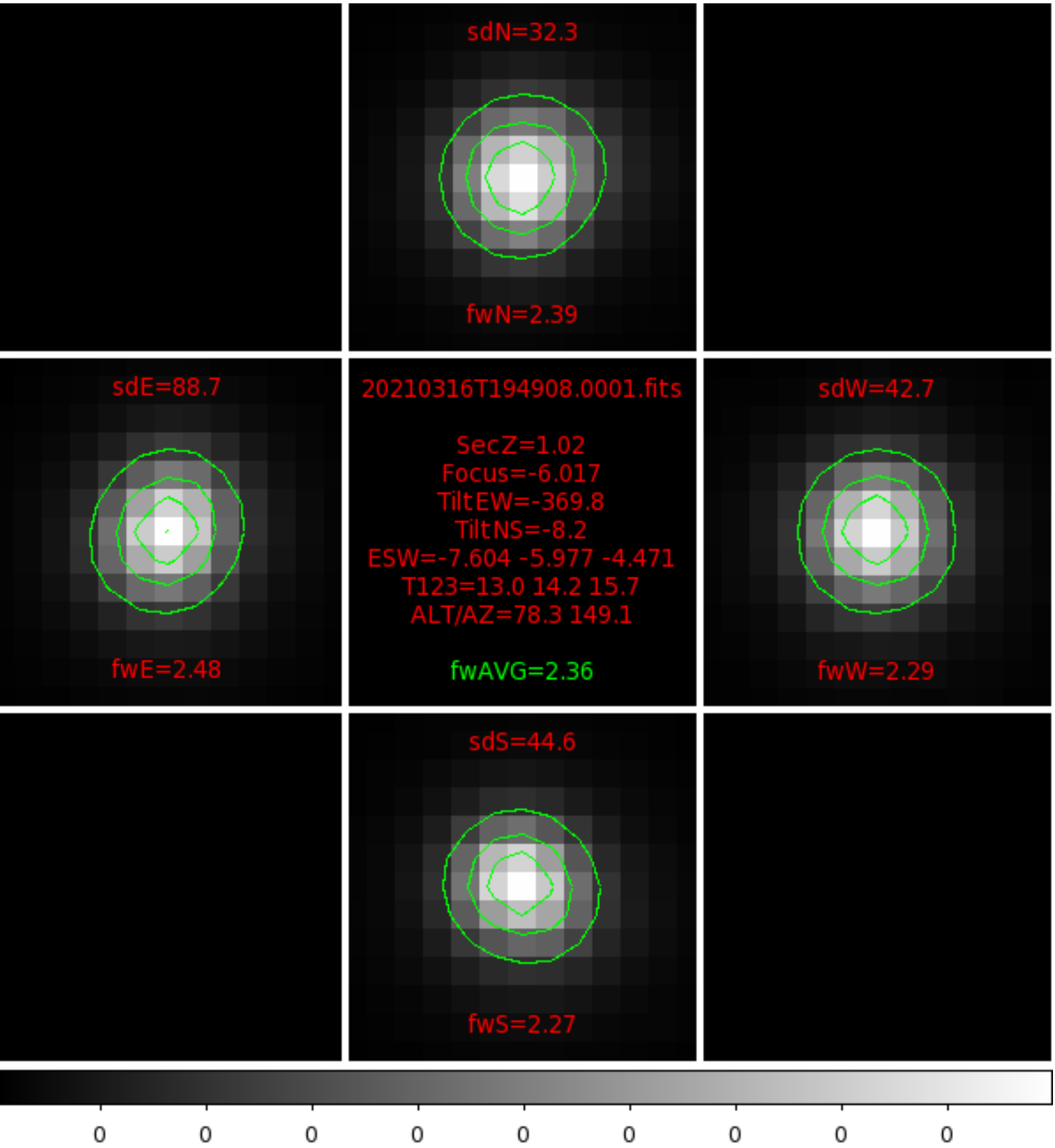
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SecZ=1.02
Focus=-6.017
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.604 -5.977 -4.471
T123=13.0 14.2 15.7
ALT/AZ=78.3 149.1
fwAVG=2.36
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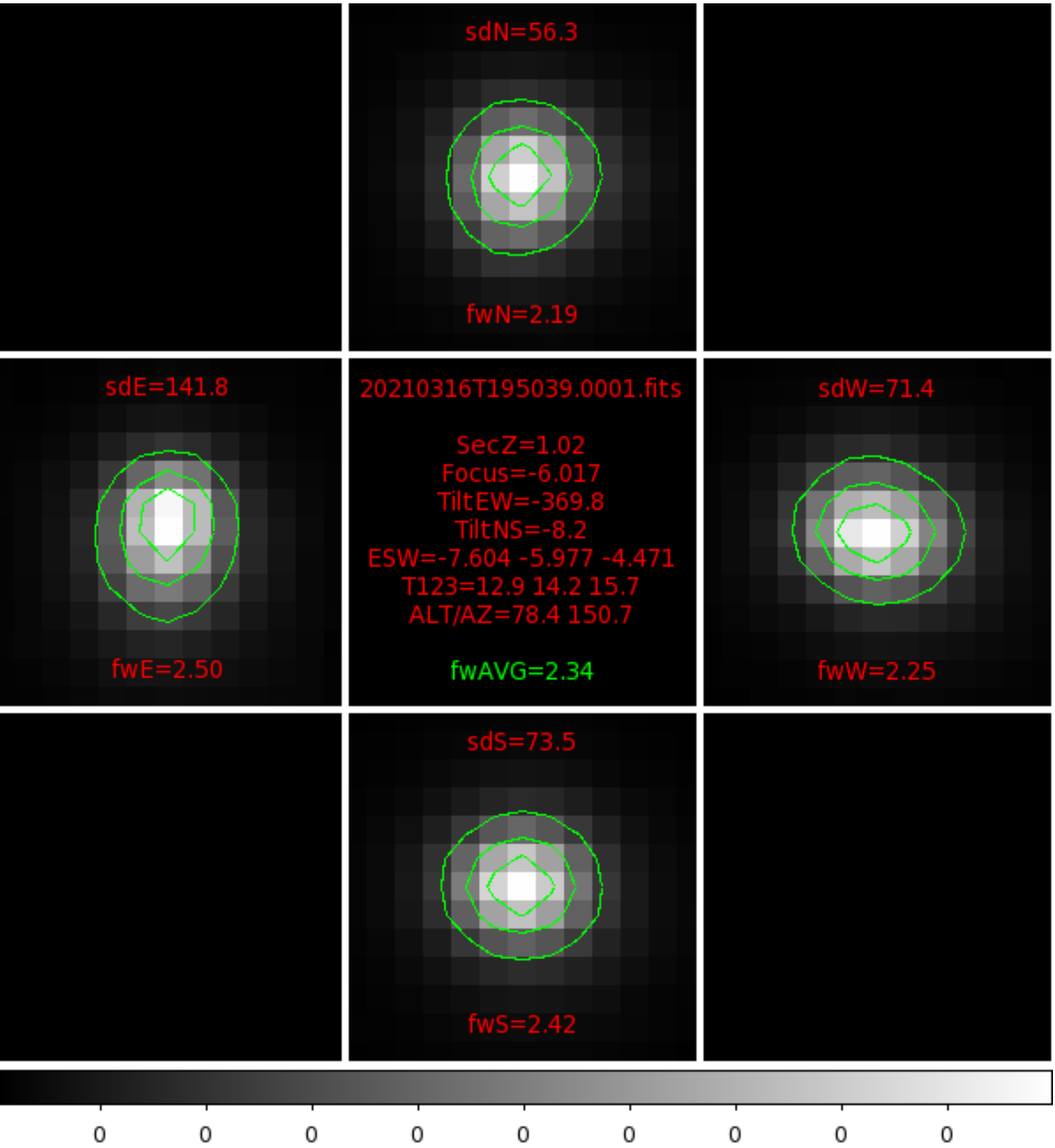
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SecZ=1.02
Focus=-6.017
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.604 -5.977 -4.471
T123=12.9 14.2 15.7
ALT/AZ=78.4 150.7
fwAVG=2.34
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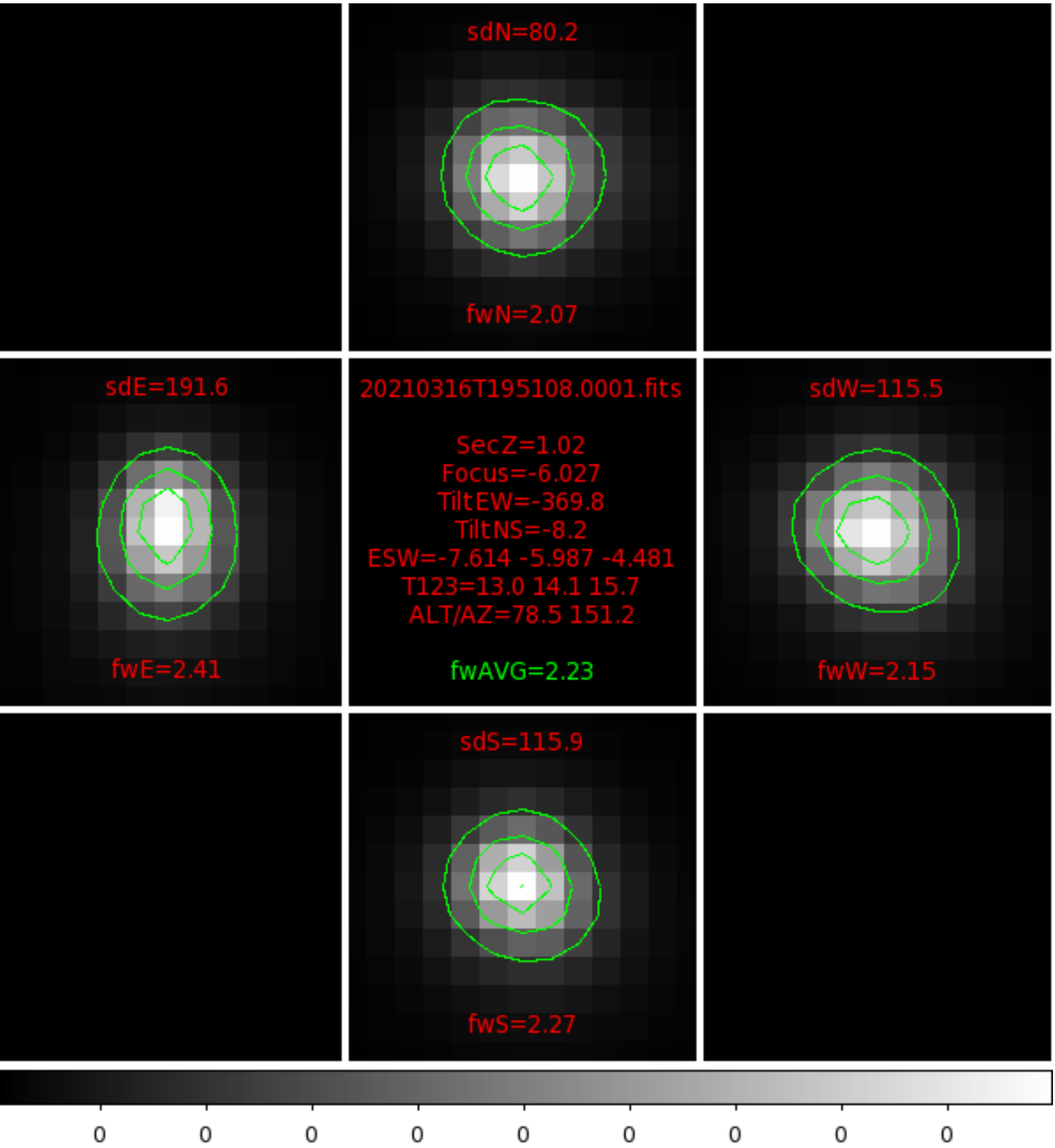
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SecZ=1.02
Focus=-6.027
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.614 -5.987 -4.481
T123=13.0 14.1 15.7
ALT/AZ=78.5 151.2
fwAVG=2.23
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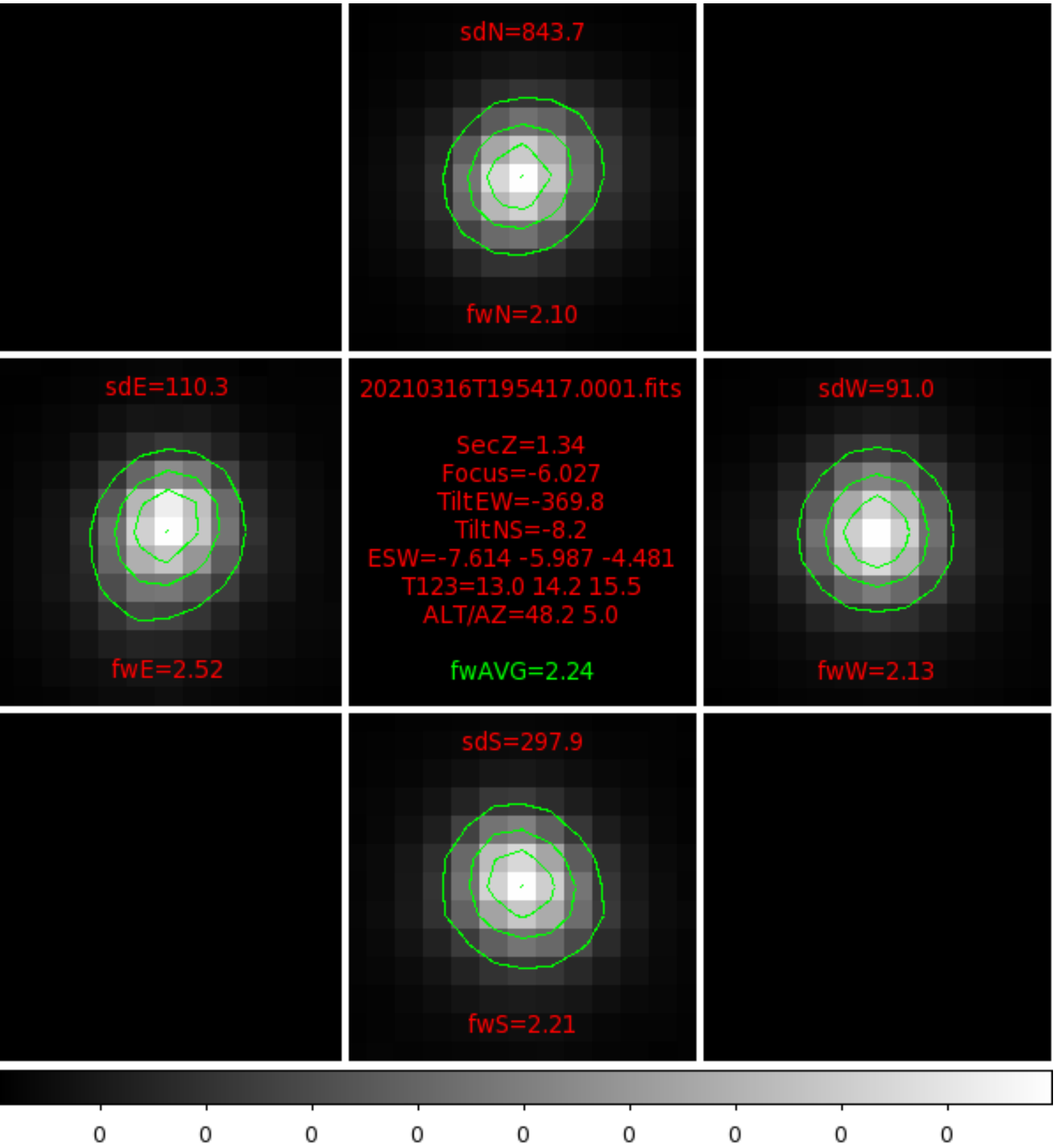
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SecZ=1.34
Focus=-6.027
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.614 -5.987 -4.481
T123=13.0 14.2 15.5
ALT/AZ=48.2 5.0
fwAVG=2.24
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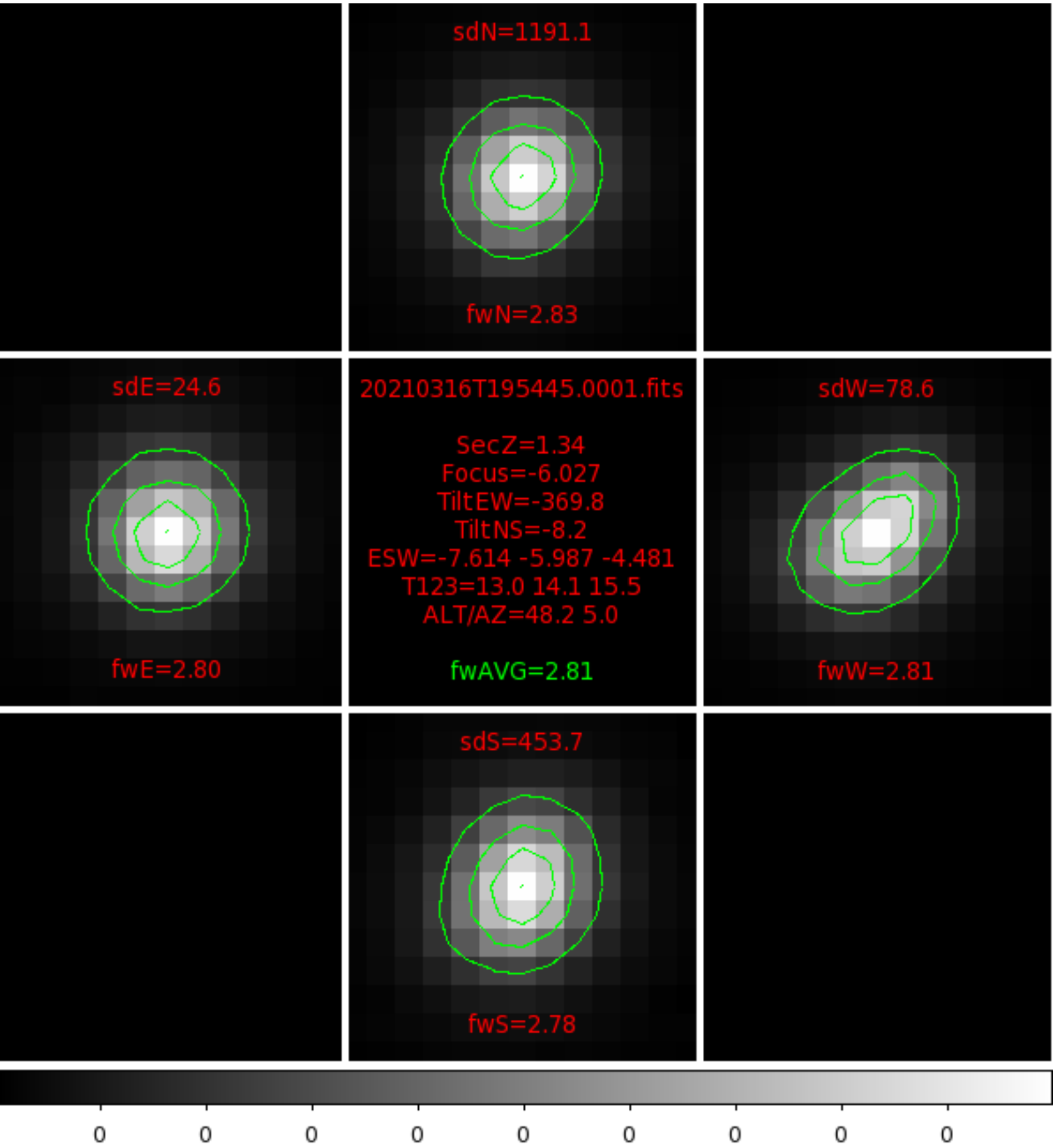
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SecZ=1.34
Focus=-6.027
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.614 -5.987 -4.481
T123=13.0 14.1 15.5
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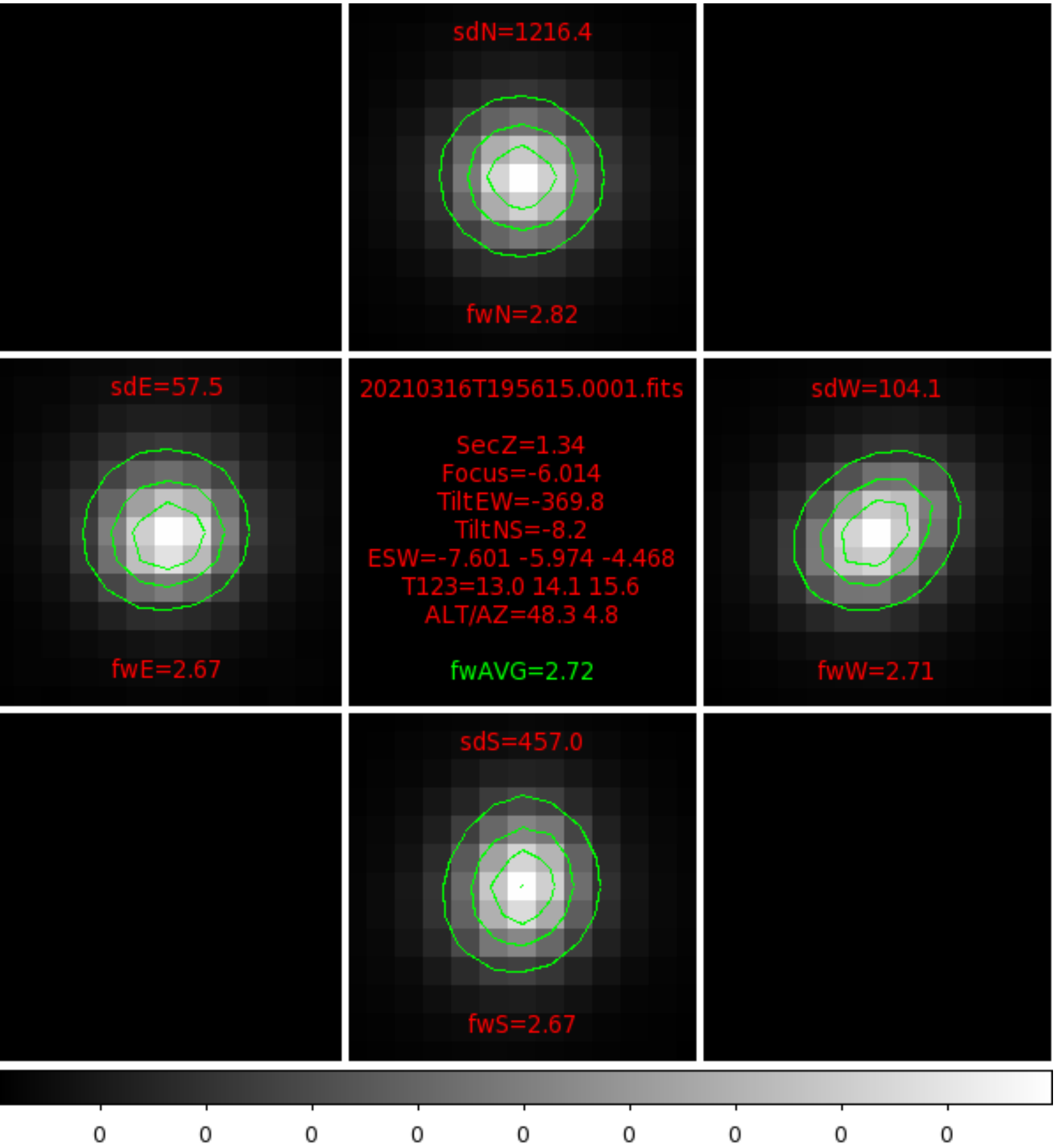
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SecZ=1.34
Focus=-6.014
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.601 -5.974 -4.468
T123=13.0 14.1 15.6
ALT/AZ=48.3 4.8
fwAVG=2.72
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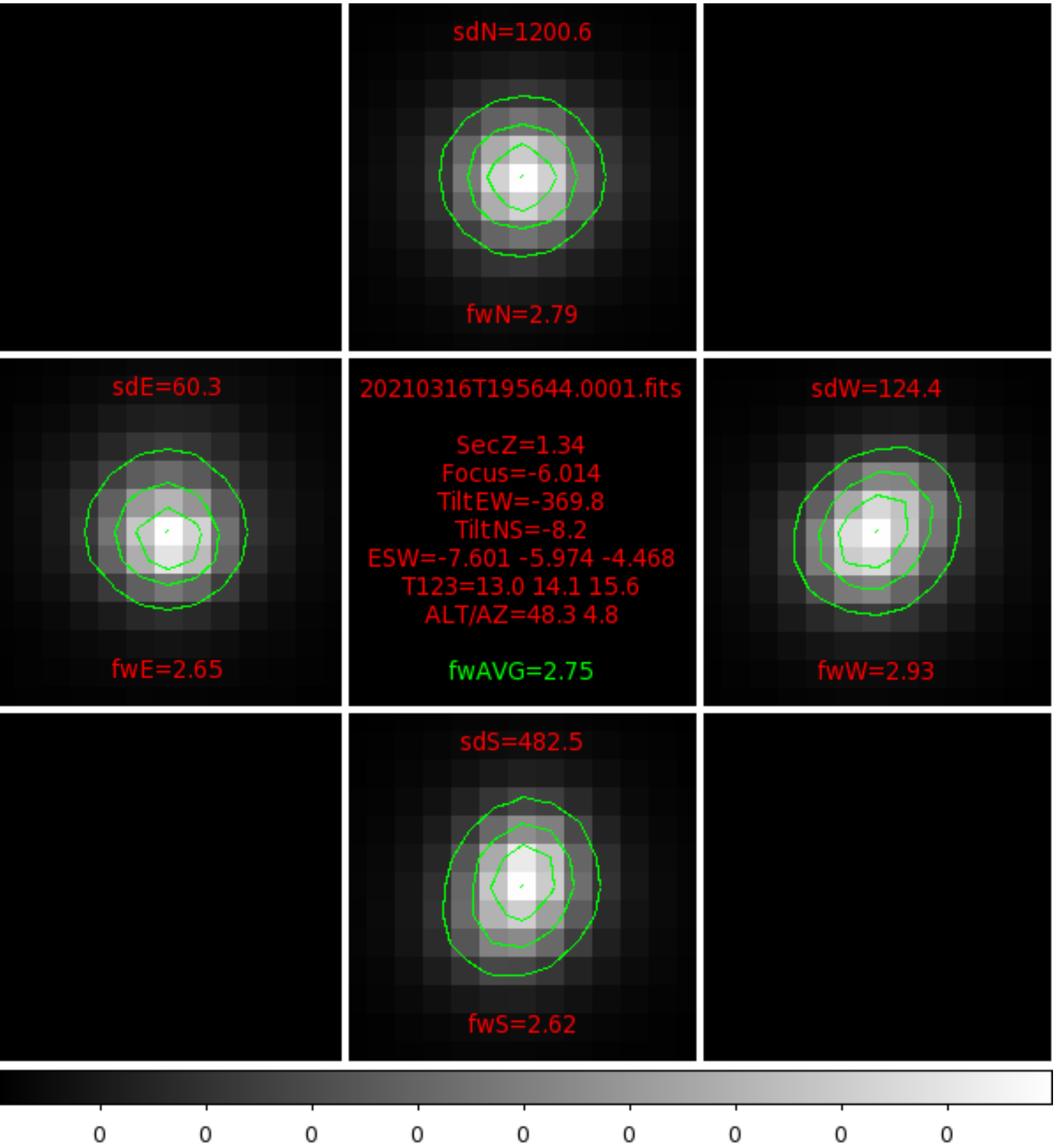
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SecZ=1.34
Focus=-6.014
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.601 -5.974 -4.468
T123=13.0 14.1 15.6
ALT/AZ=48.3 4.8
fwAVG=2.75
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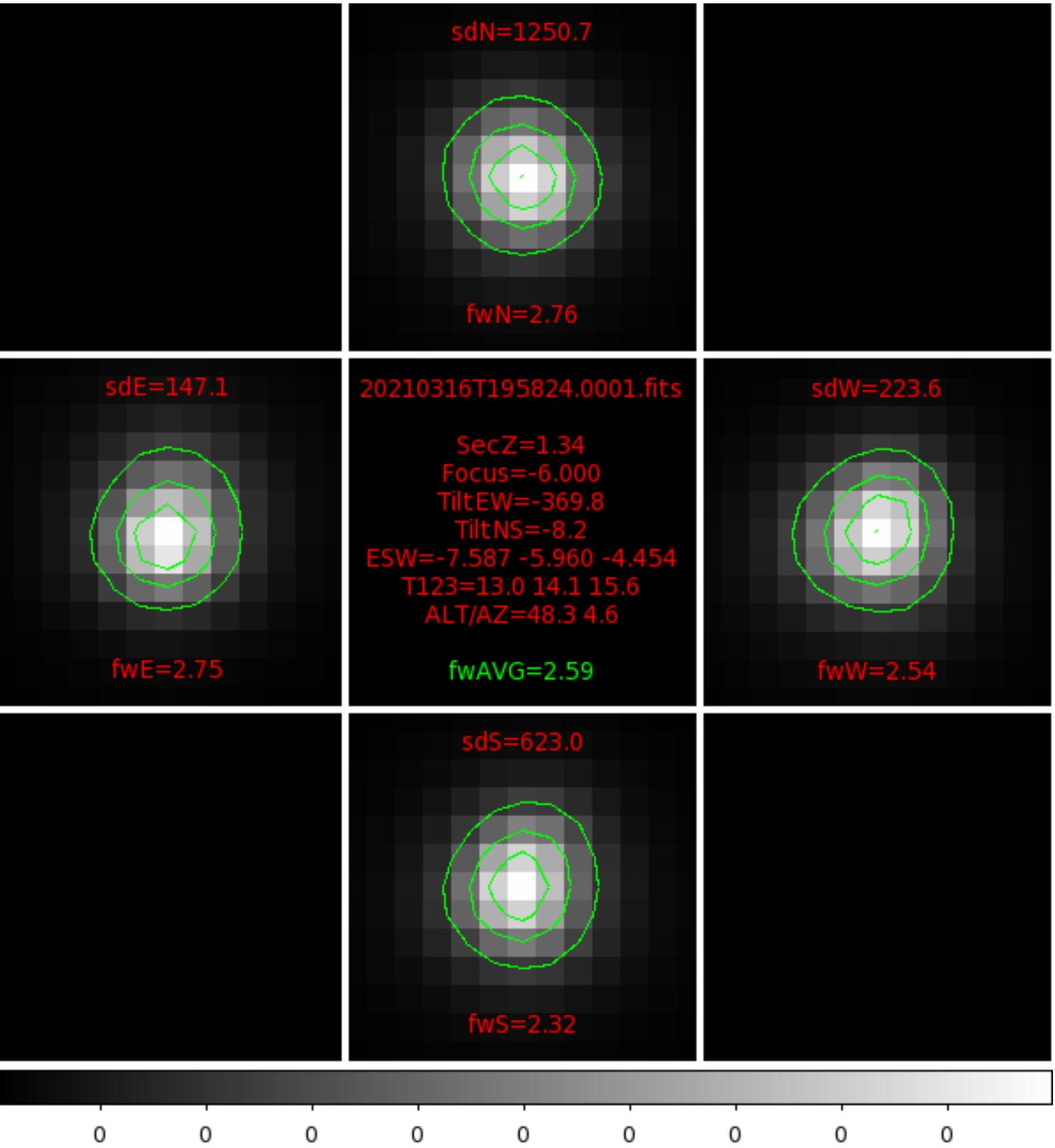
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sdE=147.1
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SecZ=1.34
Focus=-6.000
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.587 -5.960 -4.454
T123=13.0 14.1 15.6
ALT/AZ=48.3 4.6
fwAVG=2.59
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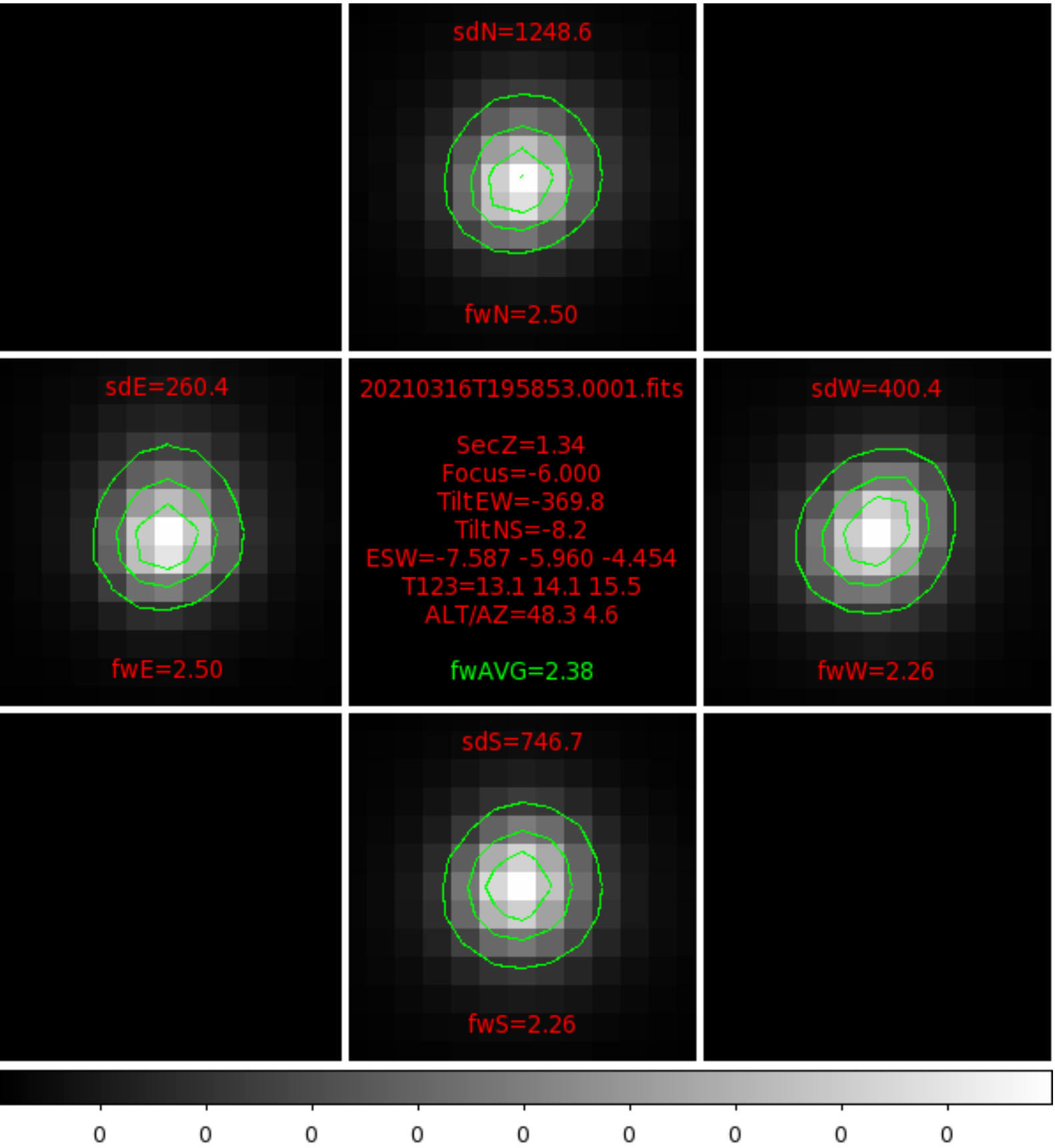
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sdE=260.4
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SecZ=1.34
Focus=-6.000
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.587 -5.960 -4.454
T123=13.1 14.1 15.5
ALT/AZ=48.3 4.6
fwAVG=2.38
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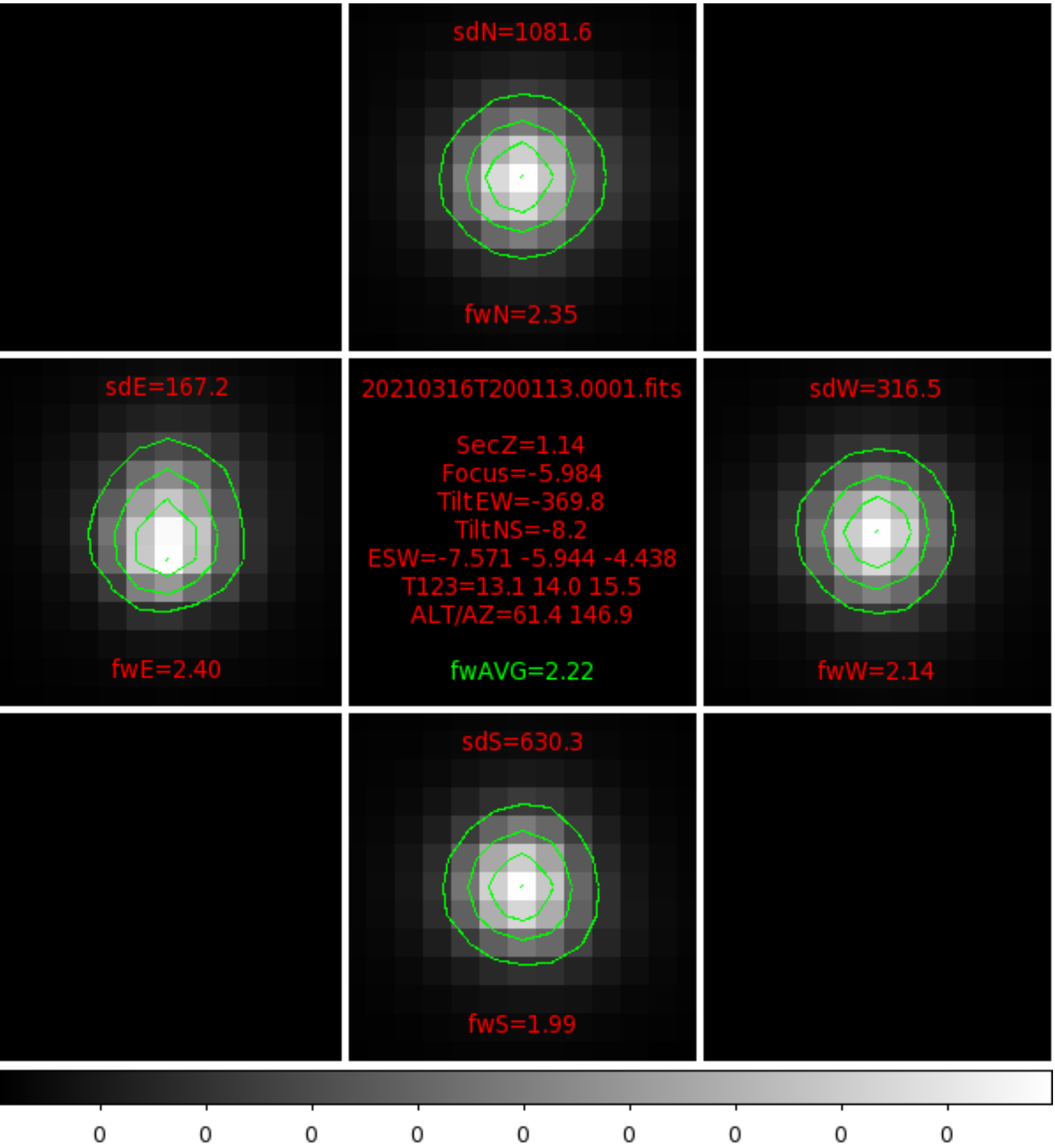
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SecZ=1.14
Focus=-5.984
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.571 -5.944 -4.438
T123=13.1 14.0 15.5
ALT/AZ=61.4 146.9
fwAVG=2.22
sdW=316.5
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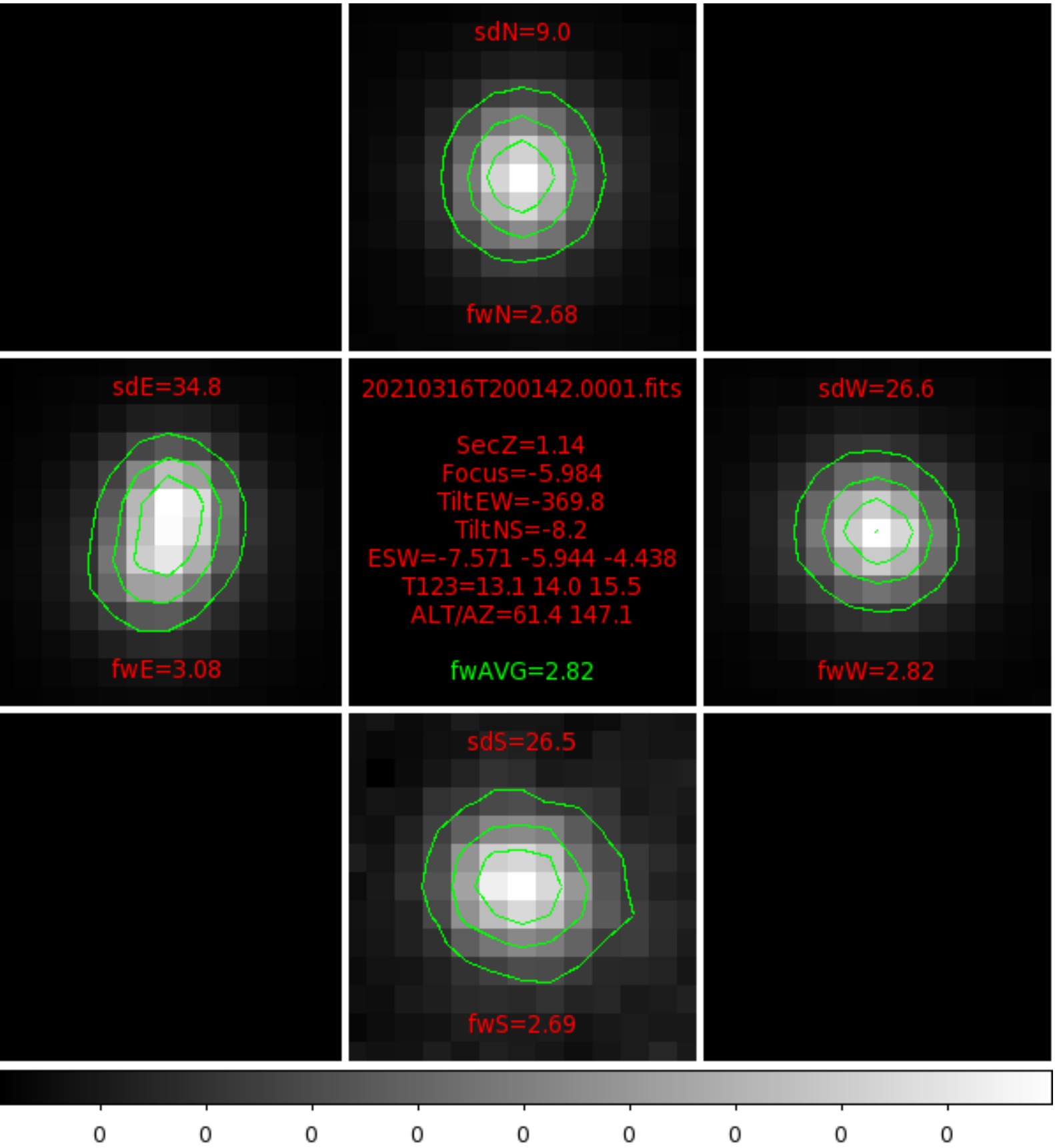
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ESW=-7.571 -5.944 -4.438
T123=13.1 14.0 15.5
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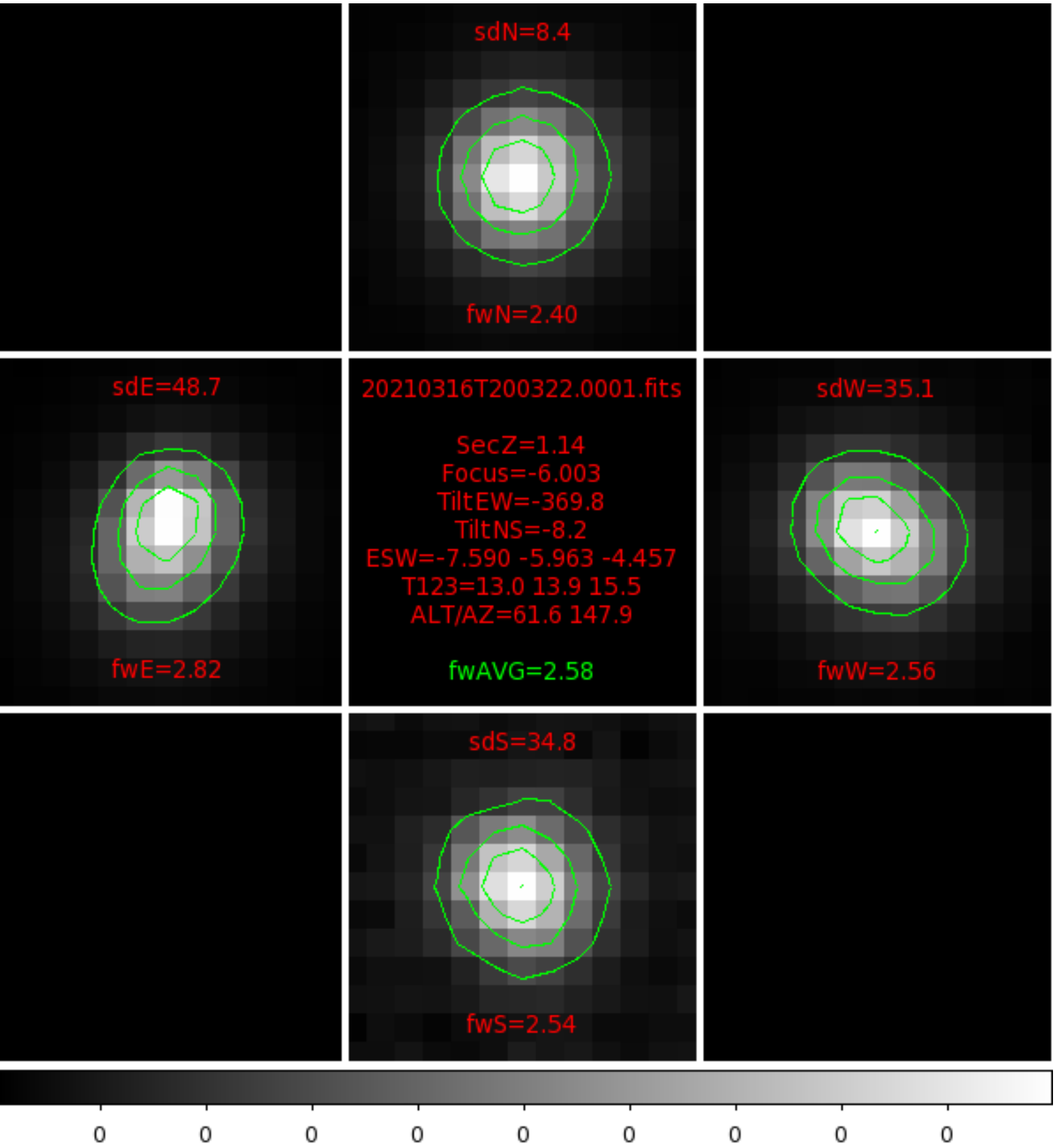
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20210316T200322.0001.fits
SecZ=1.14
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TiltEW=-369.8
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ESW=-7.590 -5.963 -4.457
T123=13.0 13.9 15.5
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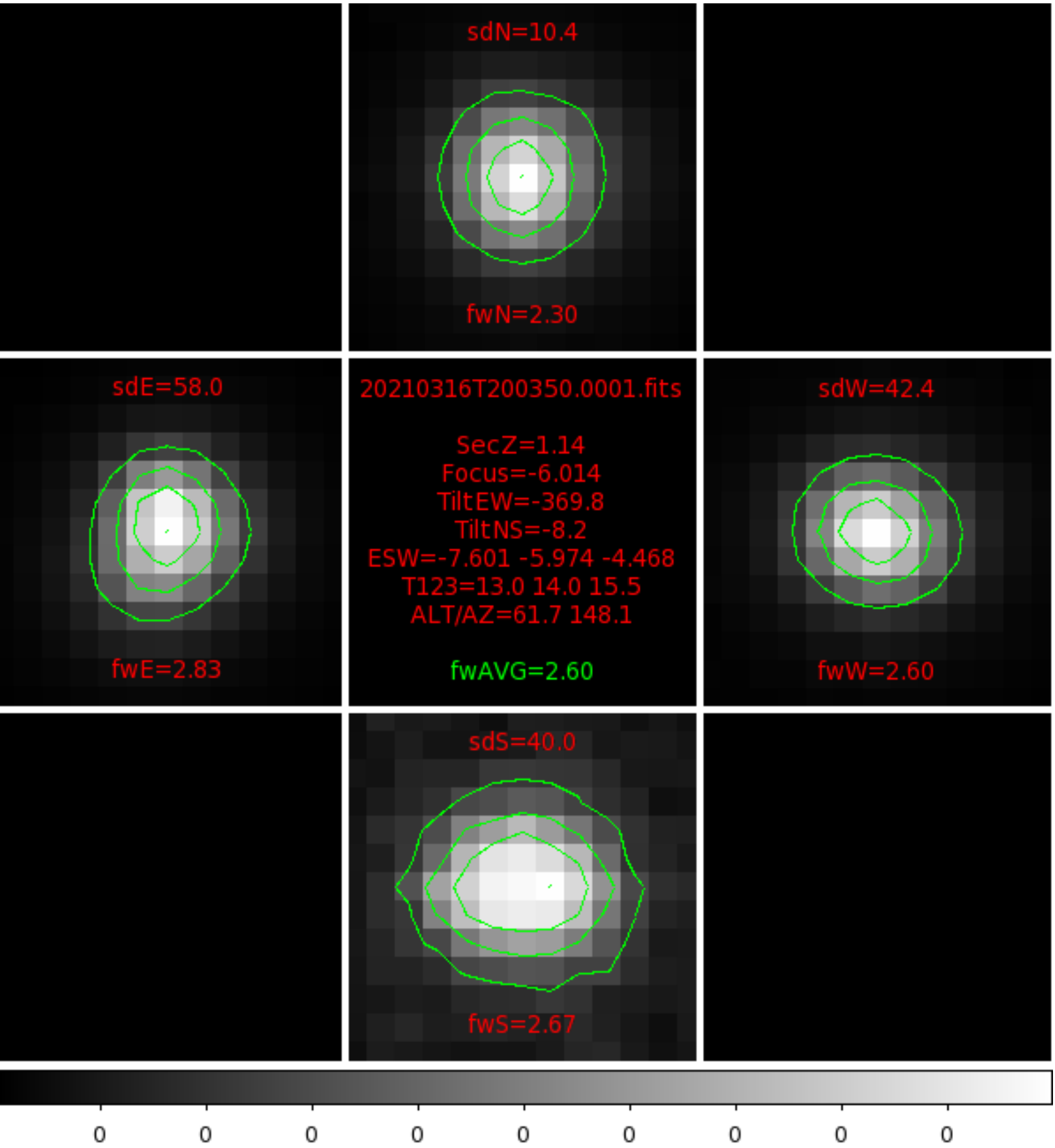
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Focus=-6.014
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ESW=-7.601 -5.974 -4.468
T123=13.0 14.0 15.5
ALT/AZ=61.7 148.1
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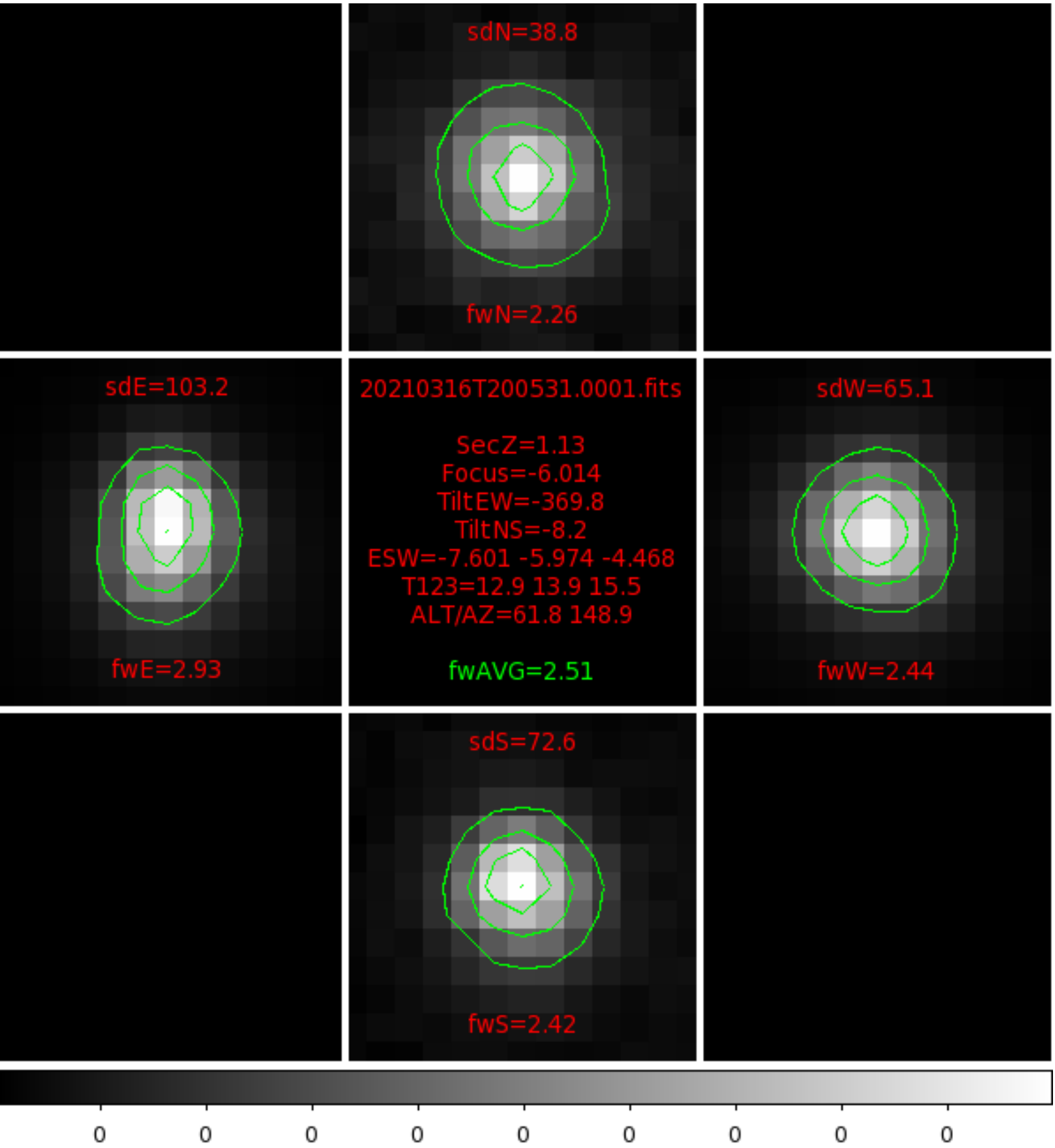
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SecZ=1.13
Focus=-6.014
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TiltNS=-8.2
ESW=-7.601 -5.974 -4.468
T123=12.9 13.9 15.5
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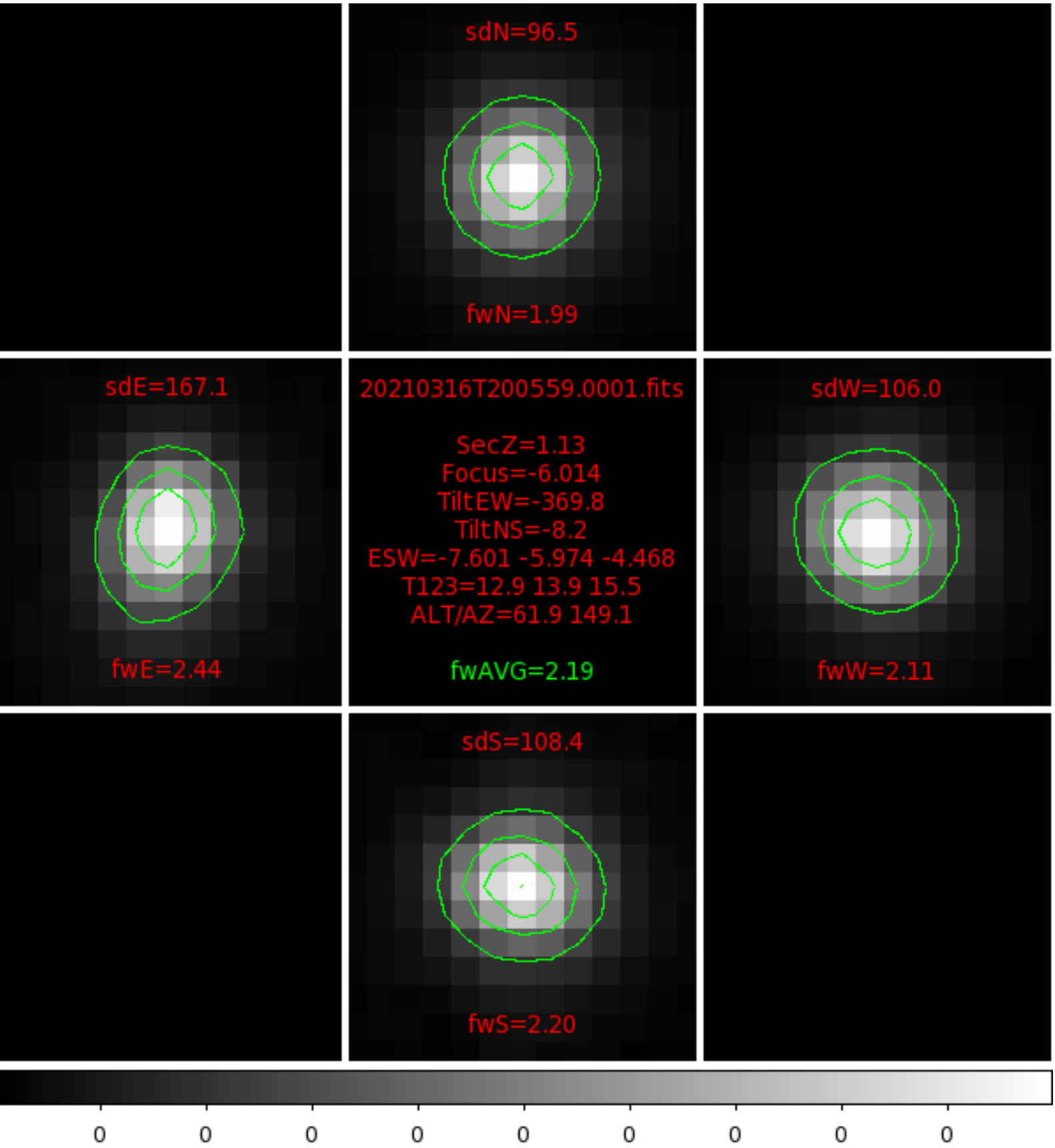
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SecZ=1.13
Focus=-6.014
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.601 -5.974 -4.468
T123=12.9 13.9 15.5
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fwAVG=2.19
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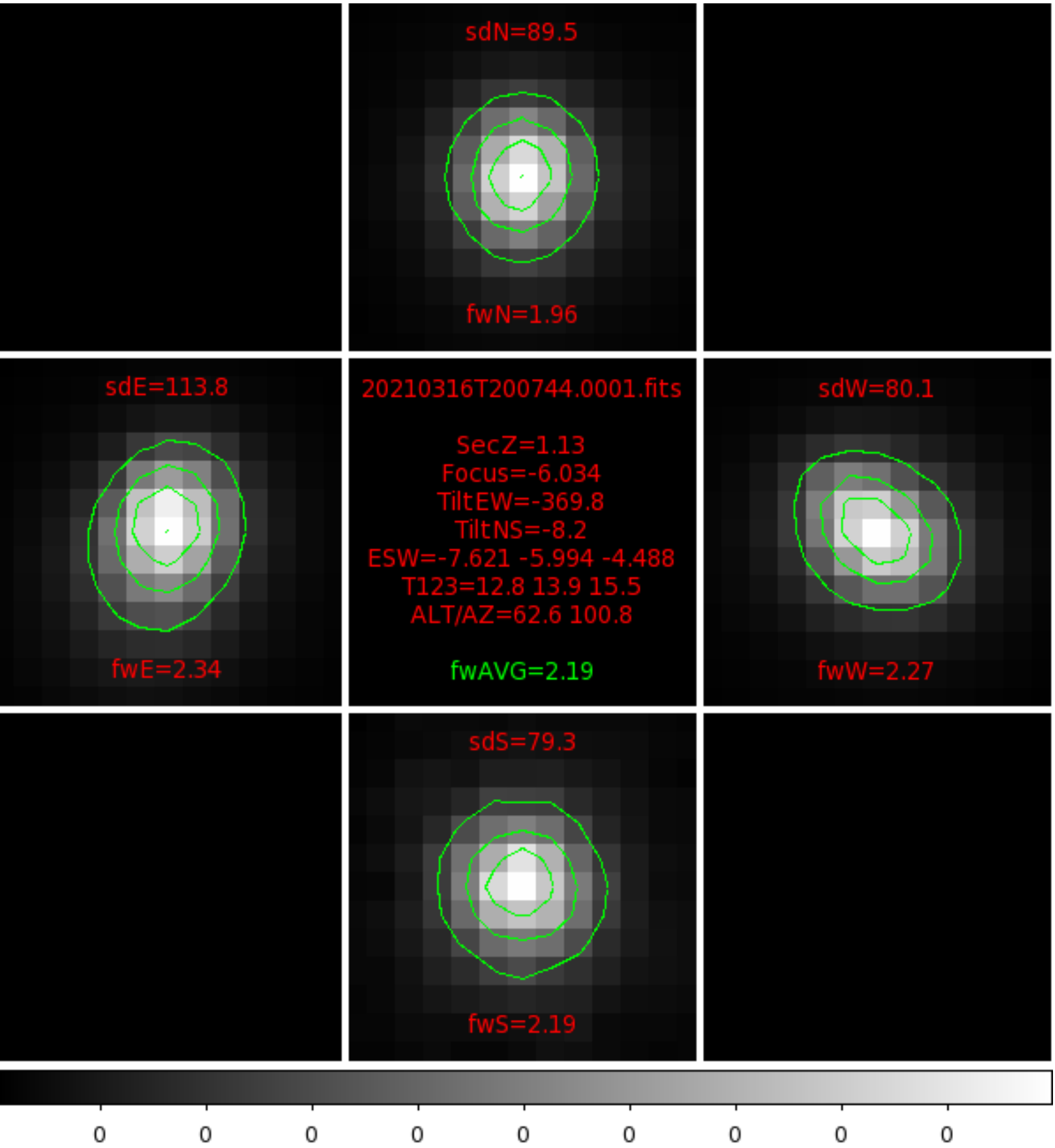
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SecZ=1.13
Focus=-6.034
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.621 -5.994 -4.488
T123=12.8 13.9 15.5
ALT/AZ=62.6 100.8
fwAVG=2.19
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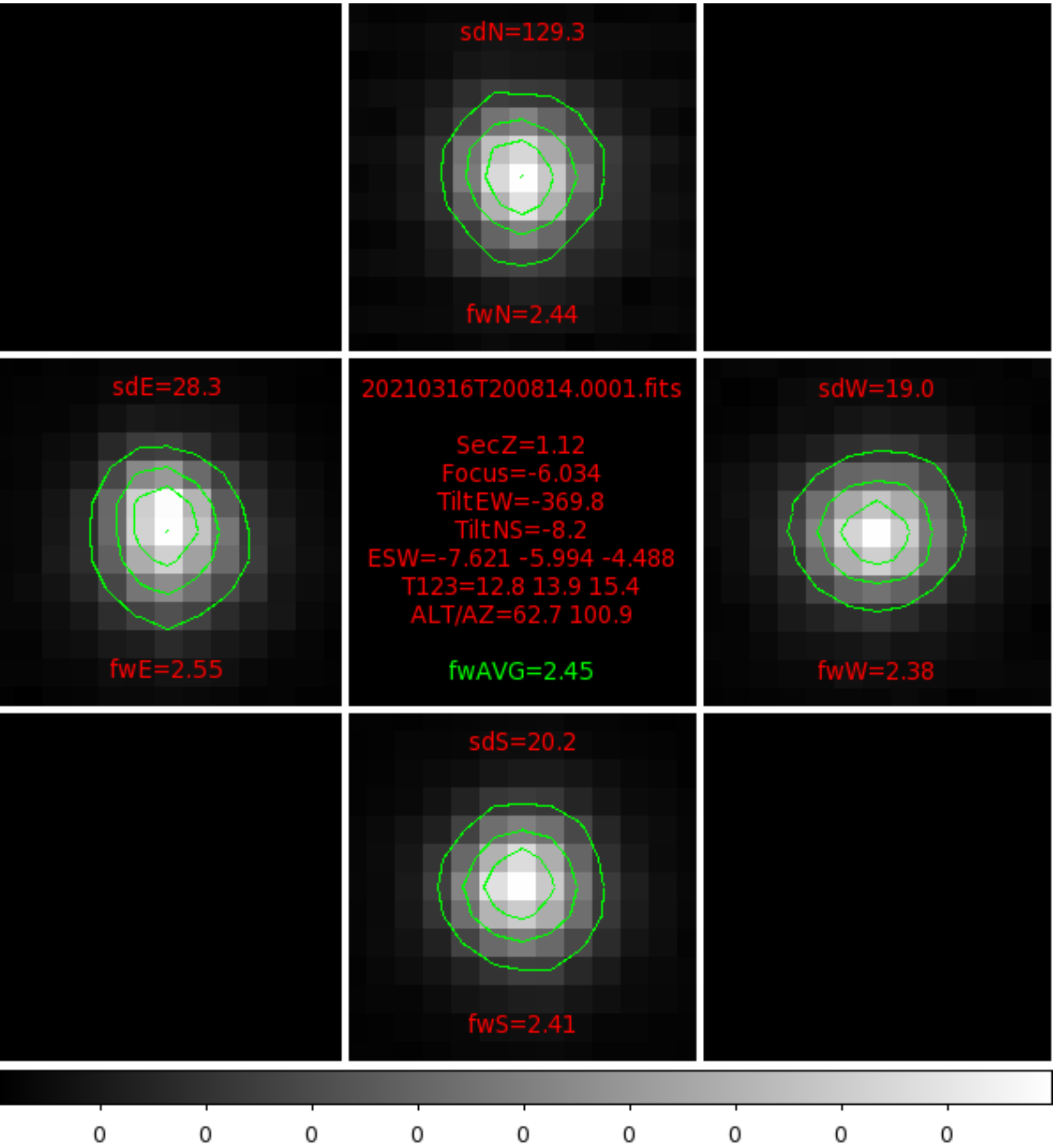
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SecZ=1.12
Focus=-6.034
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.621 -5.994 -4.488
T123=12.8 13.9 15.4
ALT/AZ=62.7 100.9
fwAVG=2.45
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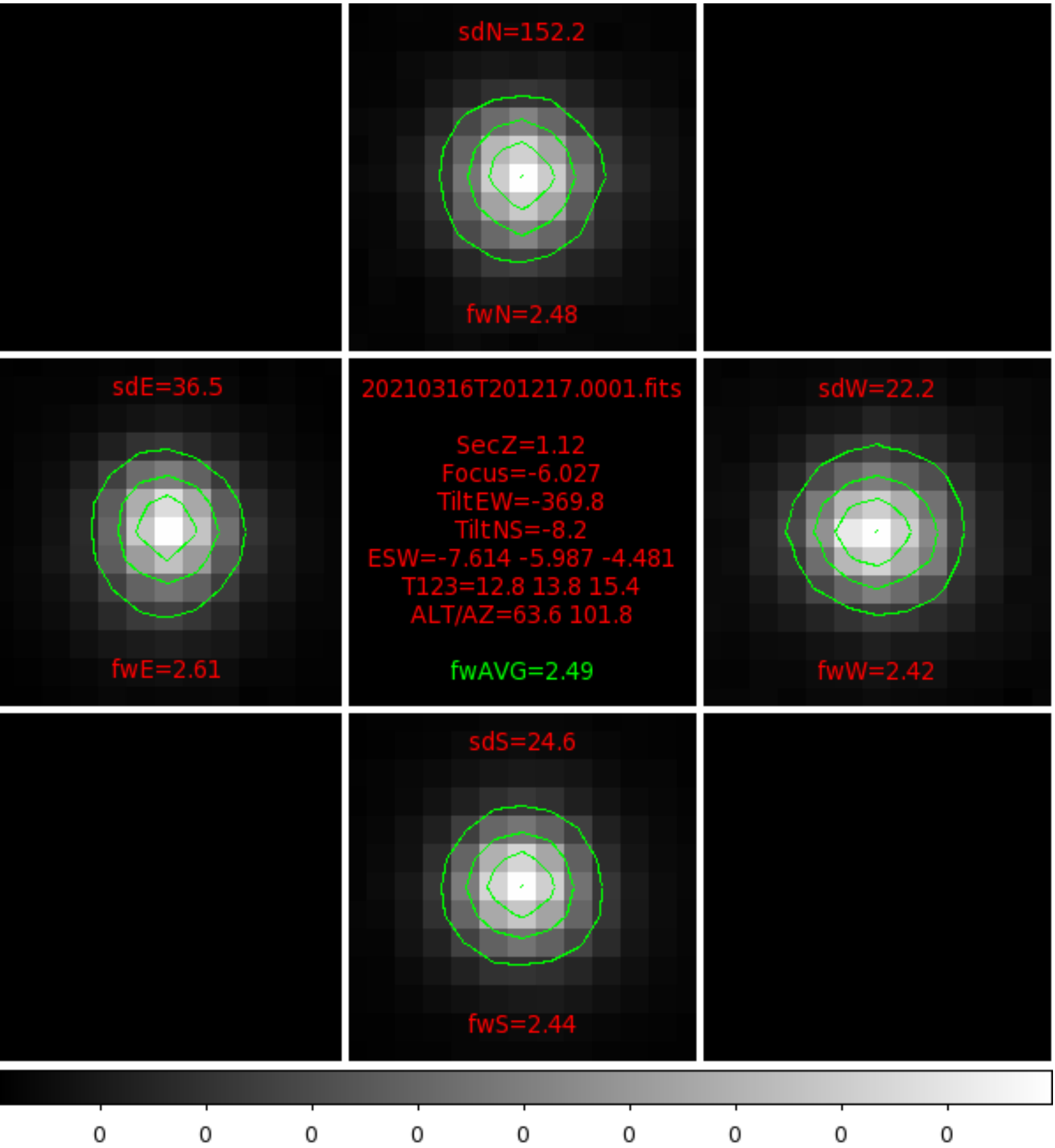
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20210316T201217.0001.fits
SecZ=1.12
Focus=-6.027
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.614 -5.987 -4.481
T123=12.8 13.8 15.4
ALT/AZ=63.6 101.8
fwAVG=2.49
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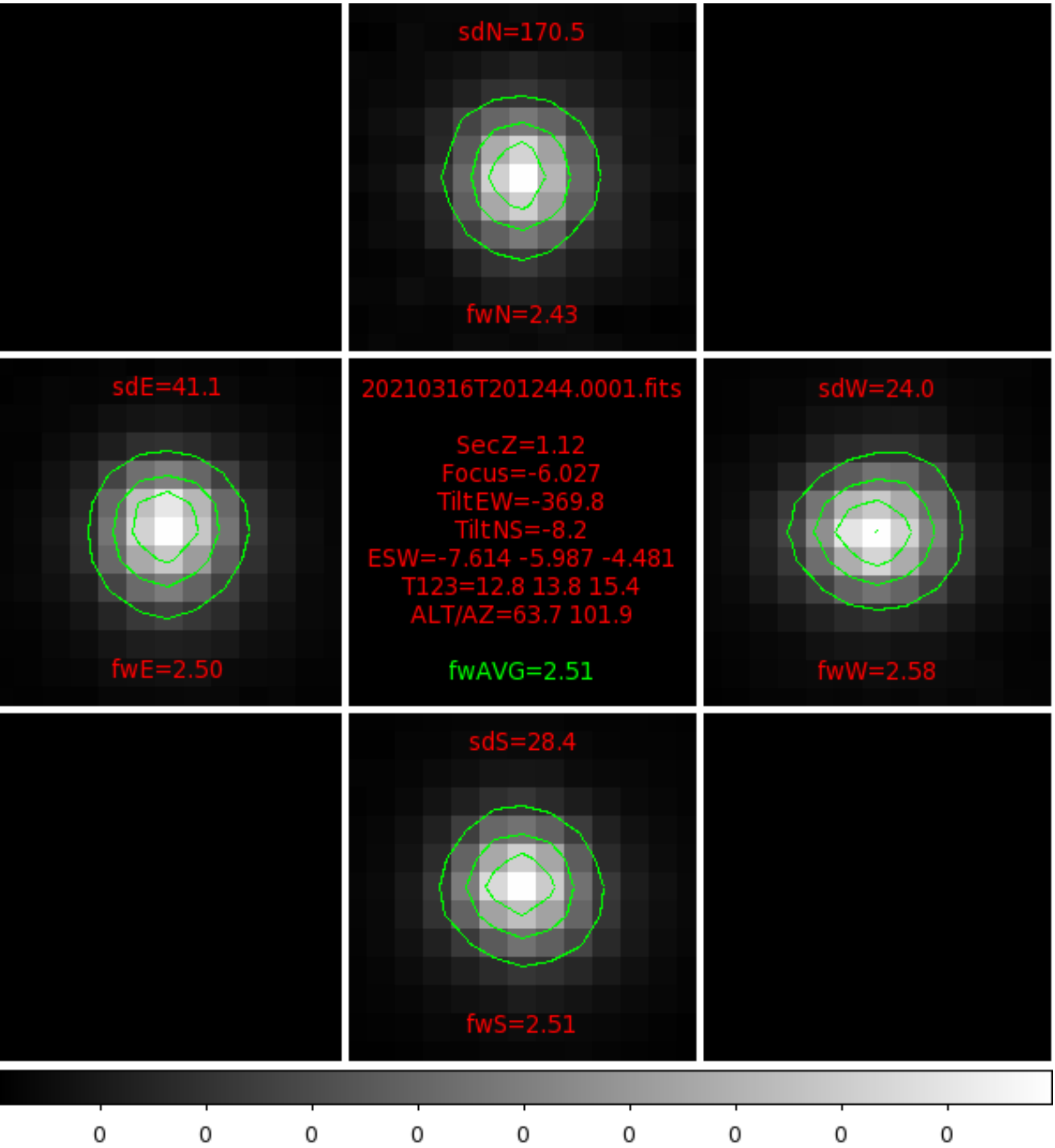
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SecZ=1.12
Focus=-6.027
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.614 -5.987 -4.481
T123=12.8 13.8 15.4
ALT/AZ=63.7 101.9
fwAVG=2.51
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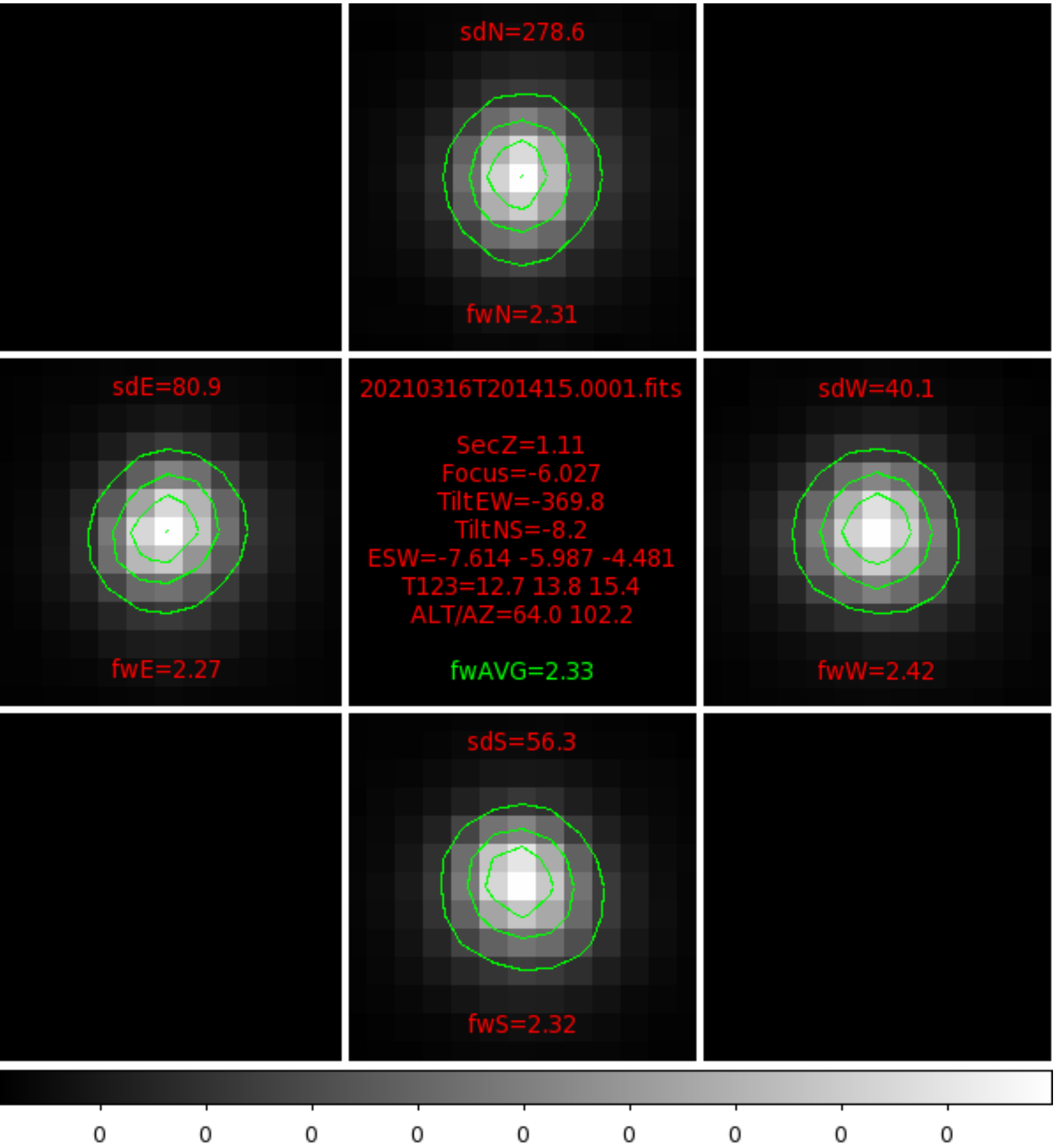
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20210316T201415.0001.fits
SecZ=1.11
Focus=-6.027
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.614 -5.987 -4.481
T123=12.7 13.8 15.4
ALT/AZ=64.0 102.2
fwAVG=2.33
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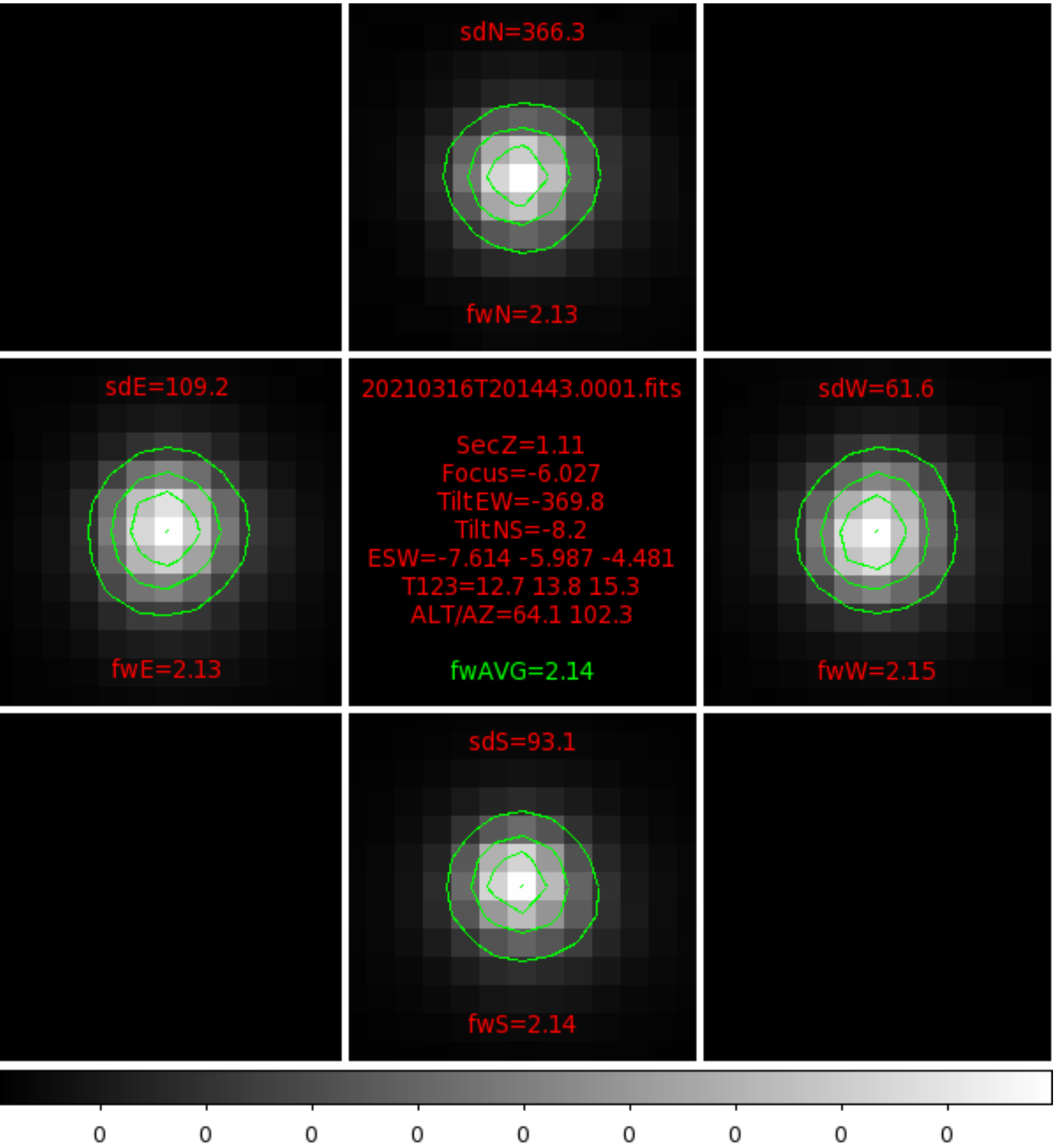
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sdE=109.2
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20210316T201443.0001.fits
SecZ=1.11
Focus=-6.027
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.614 -5.987 -4.481
T123=12.7 13.8 15.3
ALT/AZ=64.1 102.3
fwAVG=2.14
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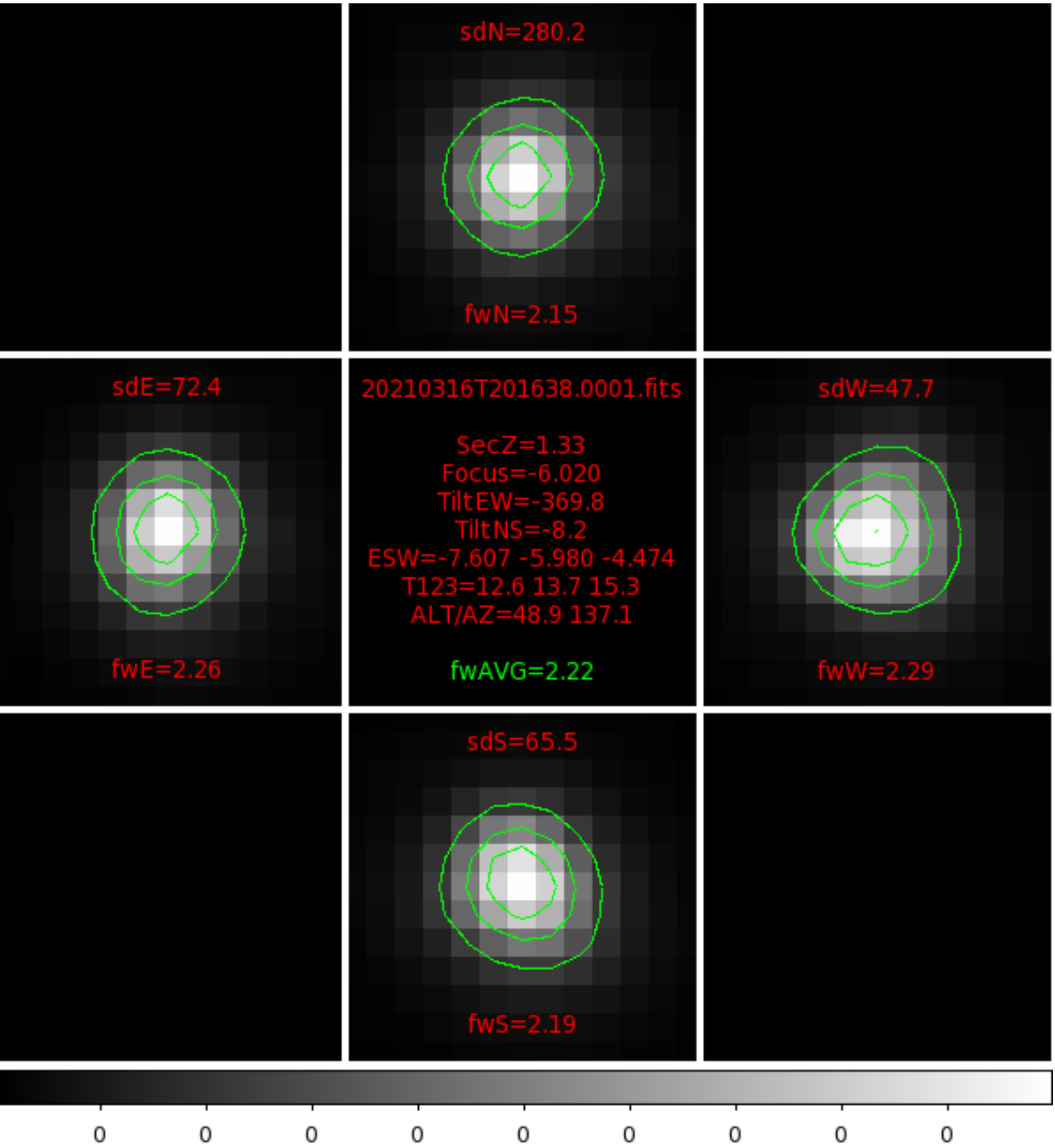
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fwE=2.26
20210316T201638.0001.fits
SecZ=1.33
Focus=-6.020
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.607 -5.980 -4.474
T123=12.6 13.7 15.3
ALT/AZ=48.9 137.1
fwAVG=2.22
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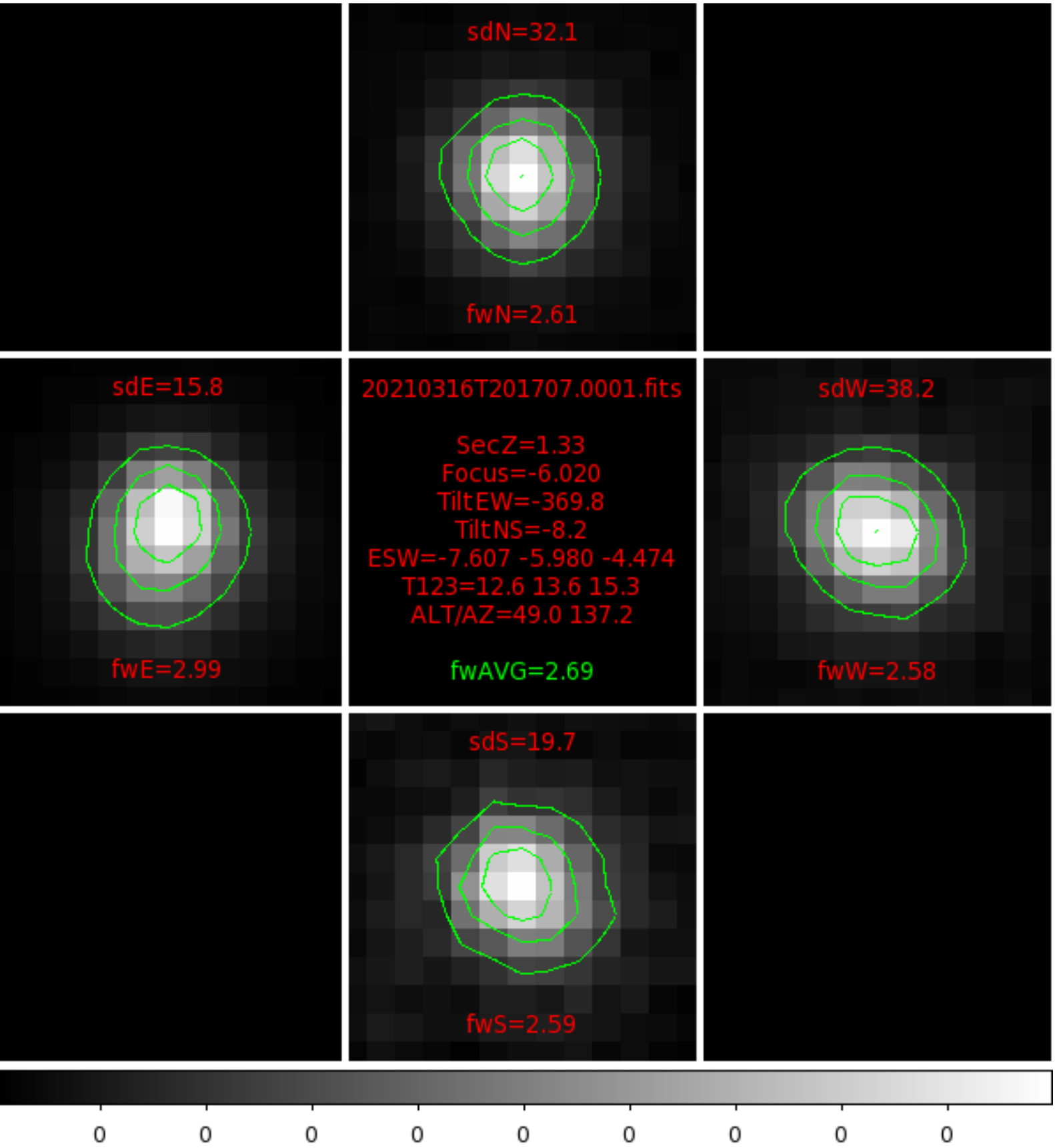
sdN=32.1
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20210316T201707.0001.fits
SecZ=1.33
Focus=-6.020
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TiltNS=-8.2
ESW=-7.607 -5.980 -4.474
T123=12.6 13.6 15.3
ALT/AZ=49.0 137.2
fwAVG=2.69
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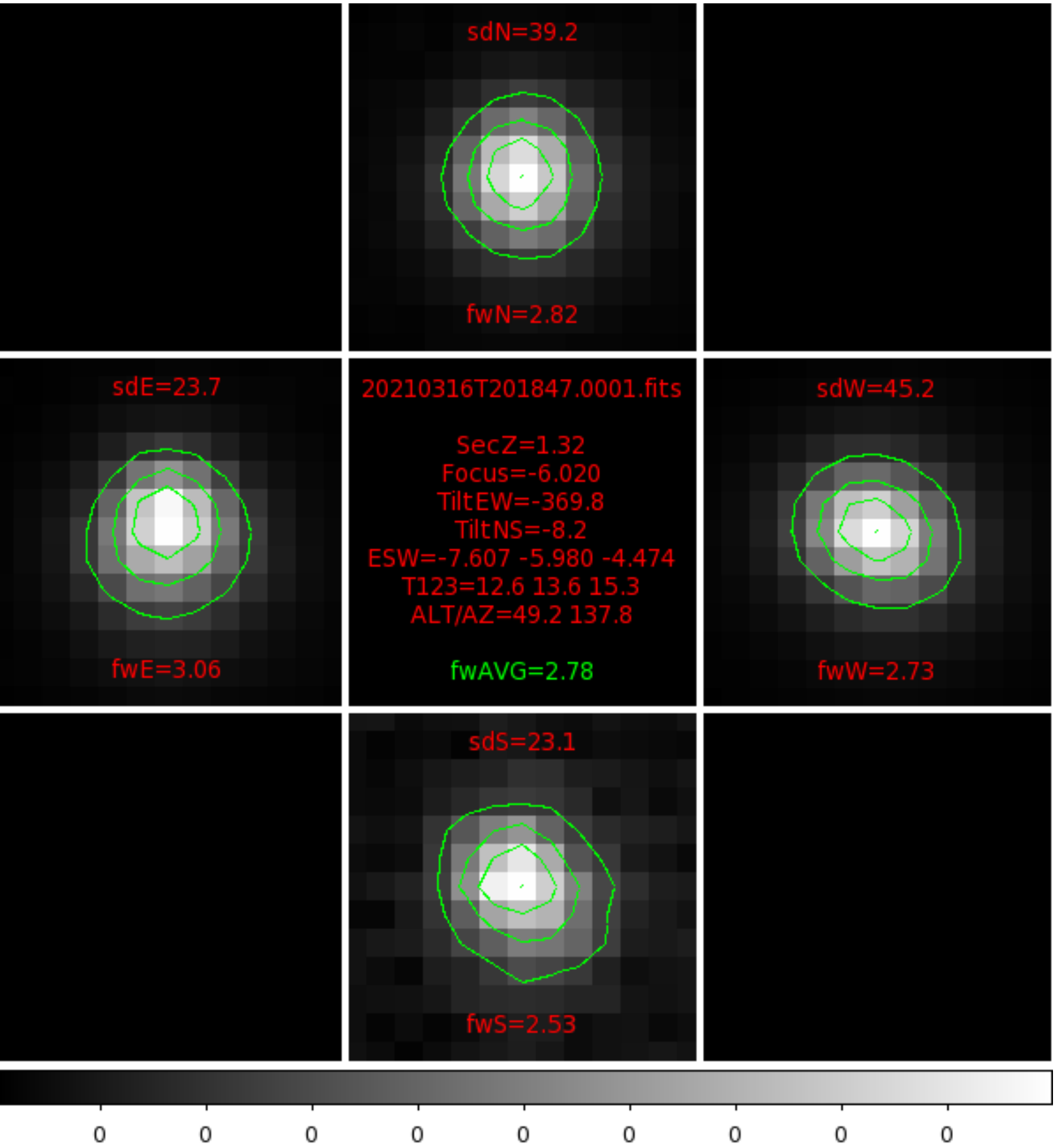
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sdE=23.7
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20210316T201847.0001.fits
SecZ=1.32
Focus=-6.020
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.607 -5.980 -4.474
T123=12.6 13.6 15.3
ALT/AZ=49.2 137.8
fwAVG=2.78
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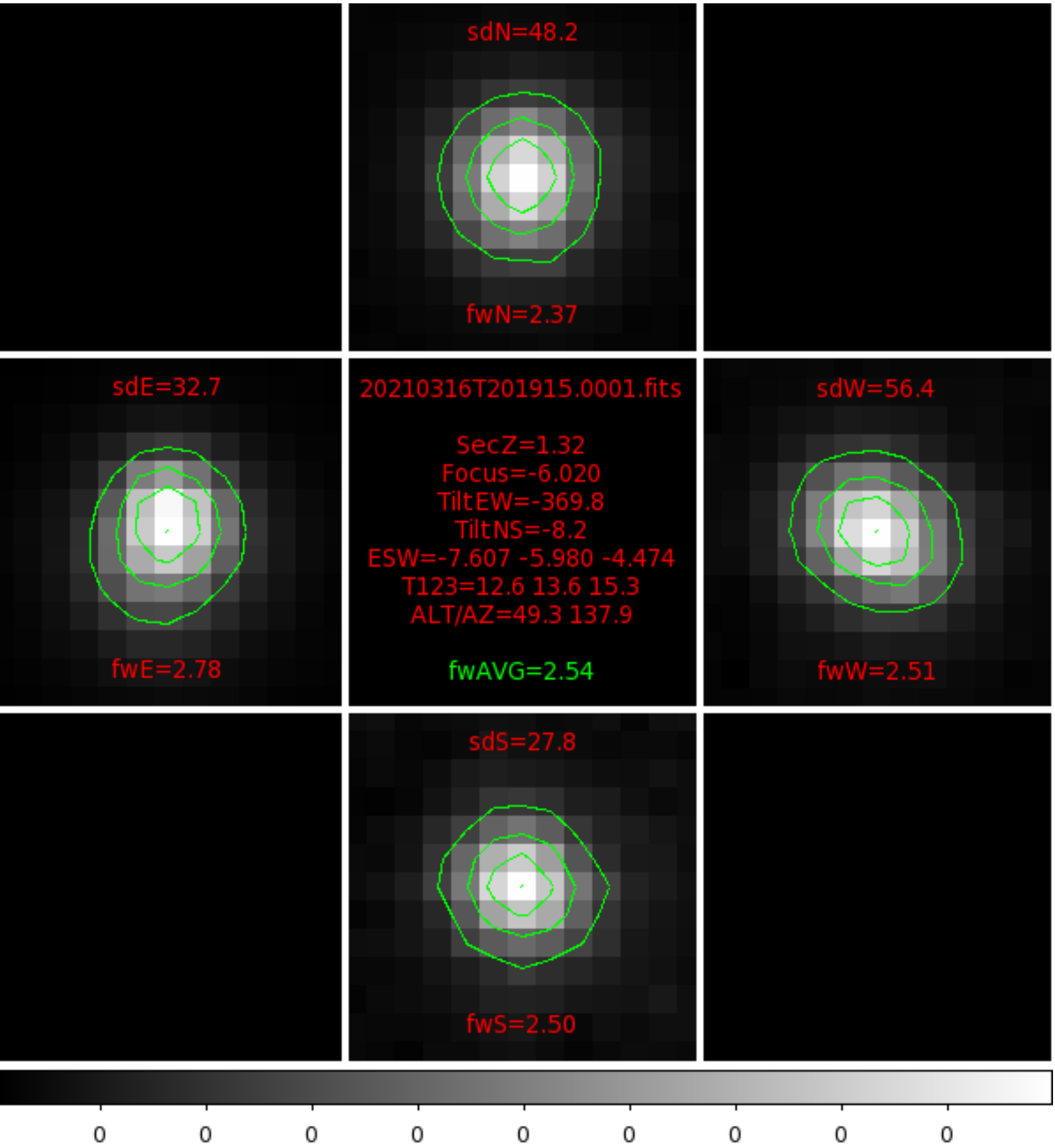
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sdE=32.7
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20210316T201915.0001.fits
SecZ=1.32
Focus=-6.020
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.607 -5.980 -4.474
T123=12.6 13.6 15.3
ALT/AZ=49.3 137.9
fwAVG=2.54
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sdS=27.8
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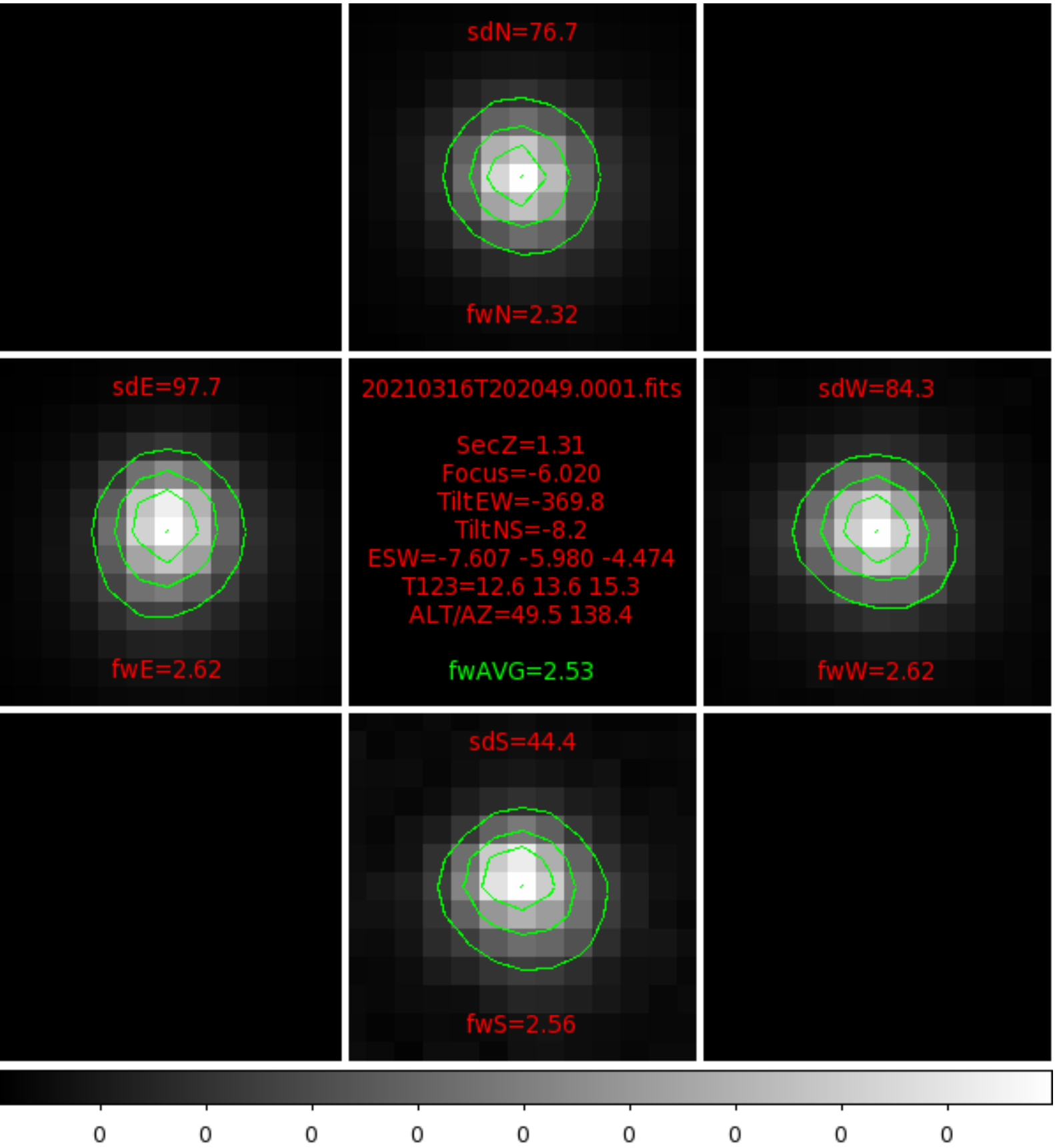
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SecZ=1.31
Focus=-6.020
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.607 -5.980 -4.474
T123=12.6 13.6 15.3
ALT/AZ=49.5 138.4
fwAVG=2.53
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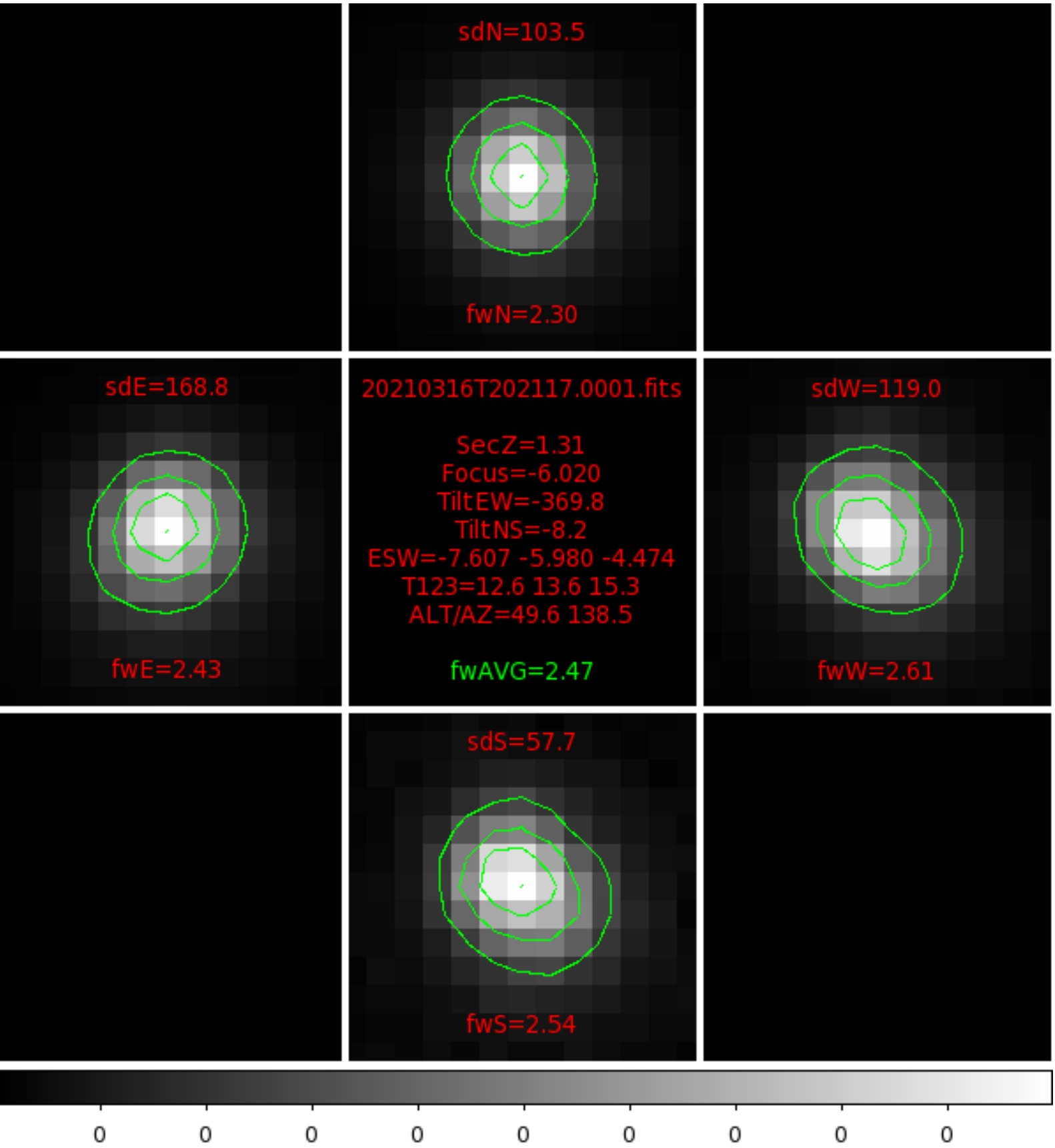
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fwN=2.30
sdE=168.8
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SecZ=1.31
Focus=-6.020
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.607 -5.980 -4.474
T123=12.6 13.6 15.3
ALT/AZ=49.6 138.5
fwAVG=2.47
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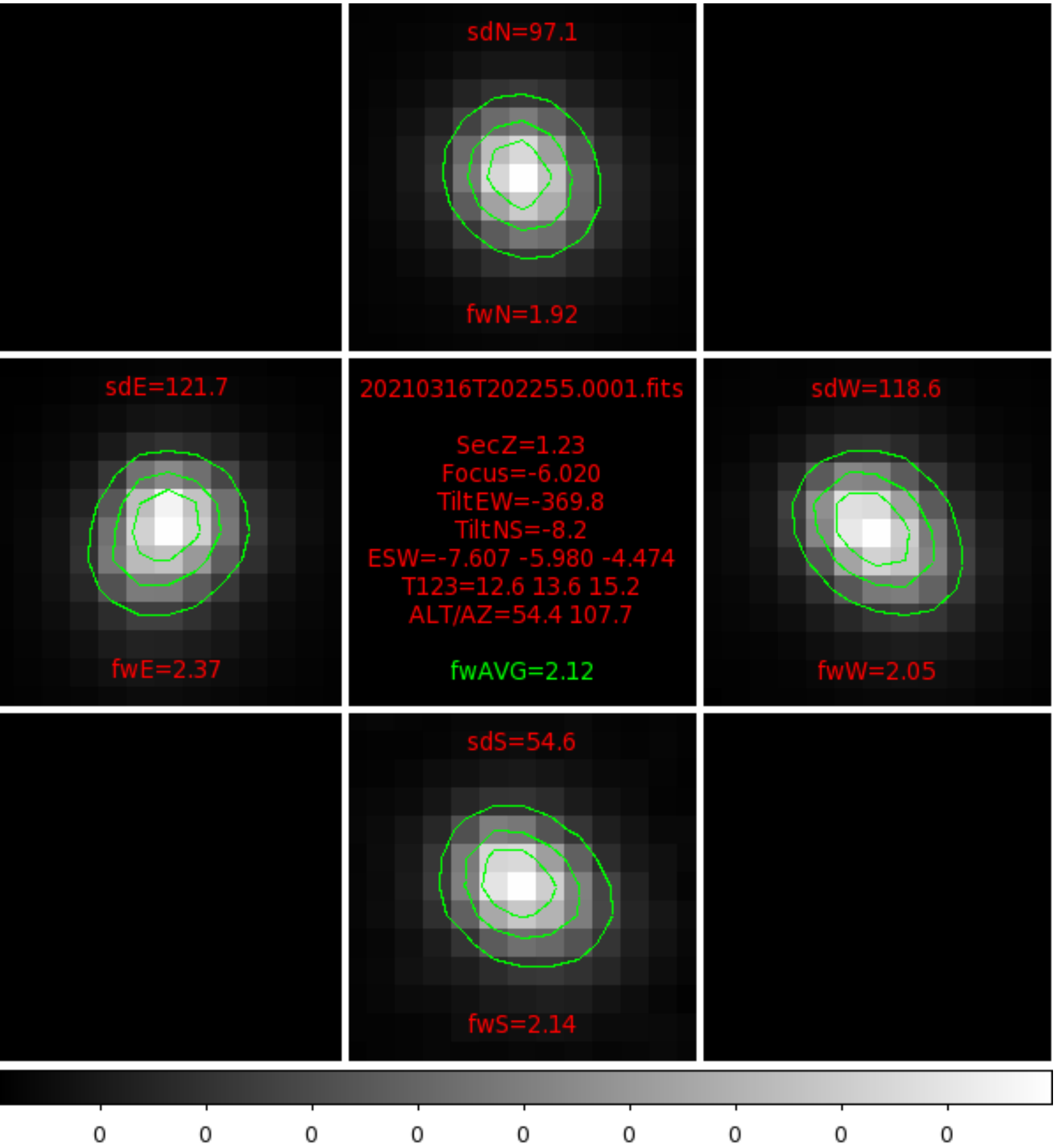
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sdE=121.7
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SecZ=1.23
Focus=-6.020
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.607 -5.980 -4.474
T123=12.6 13.6 15.2
ALT/AZ=54.4 107.7
fwAVG=2.12
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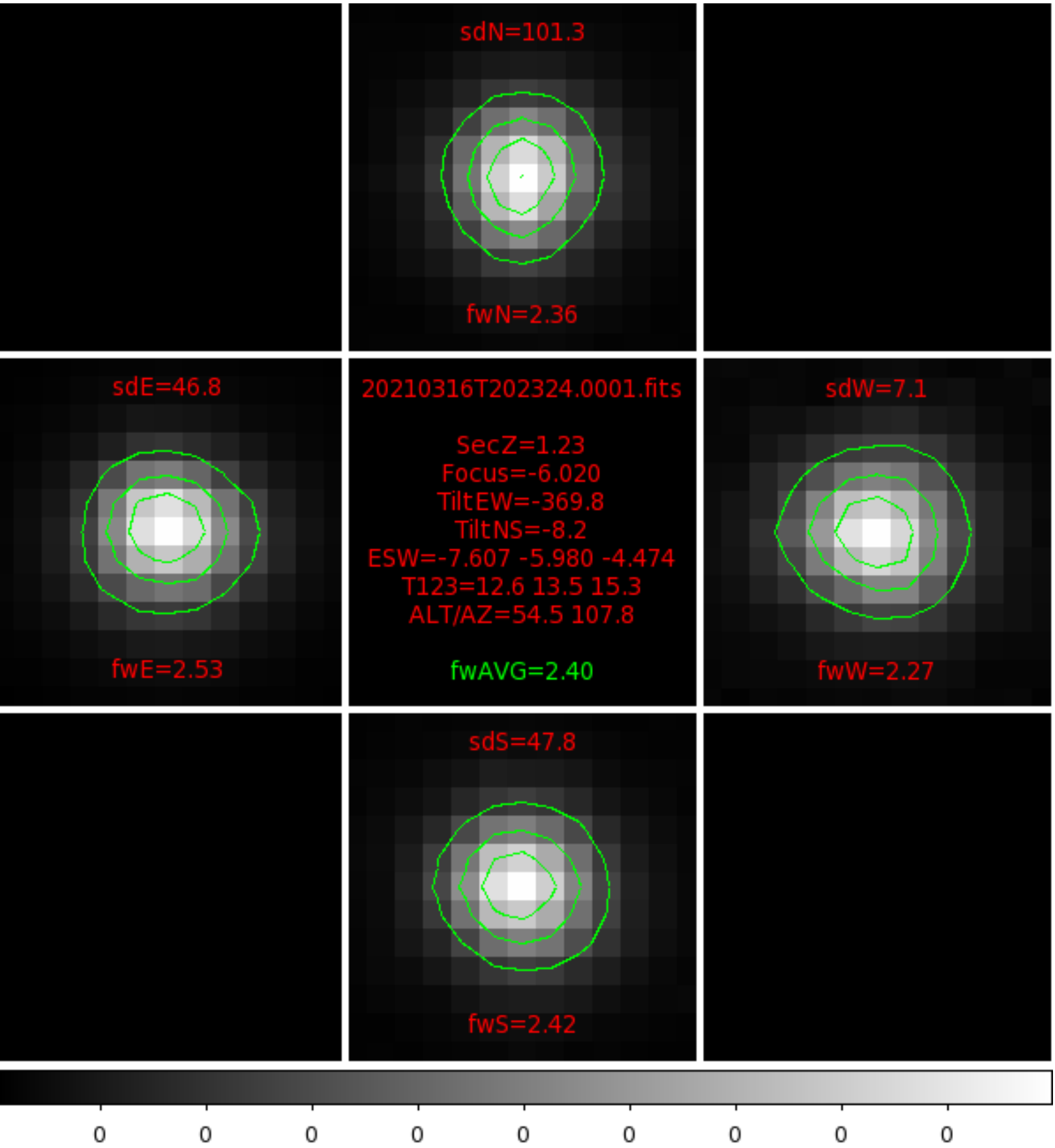
sdN=101.3
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20210316T202324.0001.fits
SecZ=1.23
Focus=-6.020
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.607 -5.980 -4.474
T123=12.6 13.5 15.3
ALT/AZ=54.5 107.8
fwAVG=2.40
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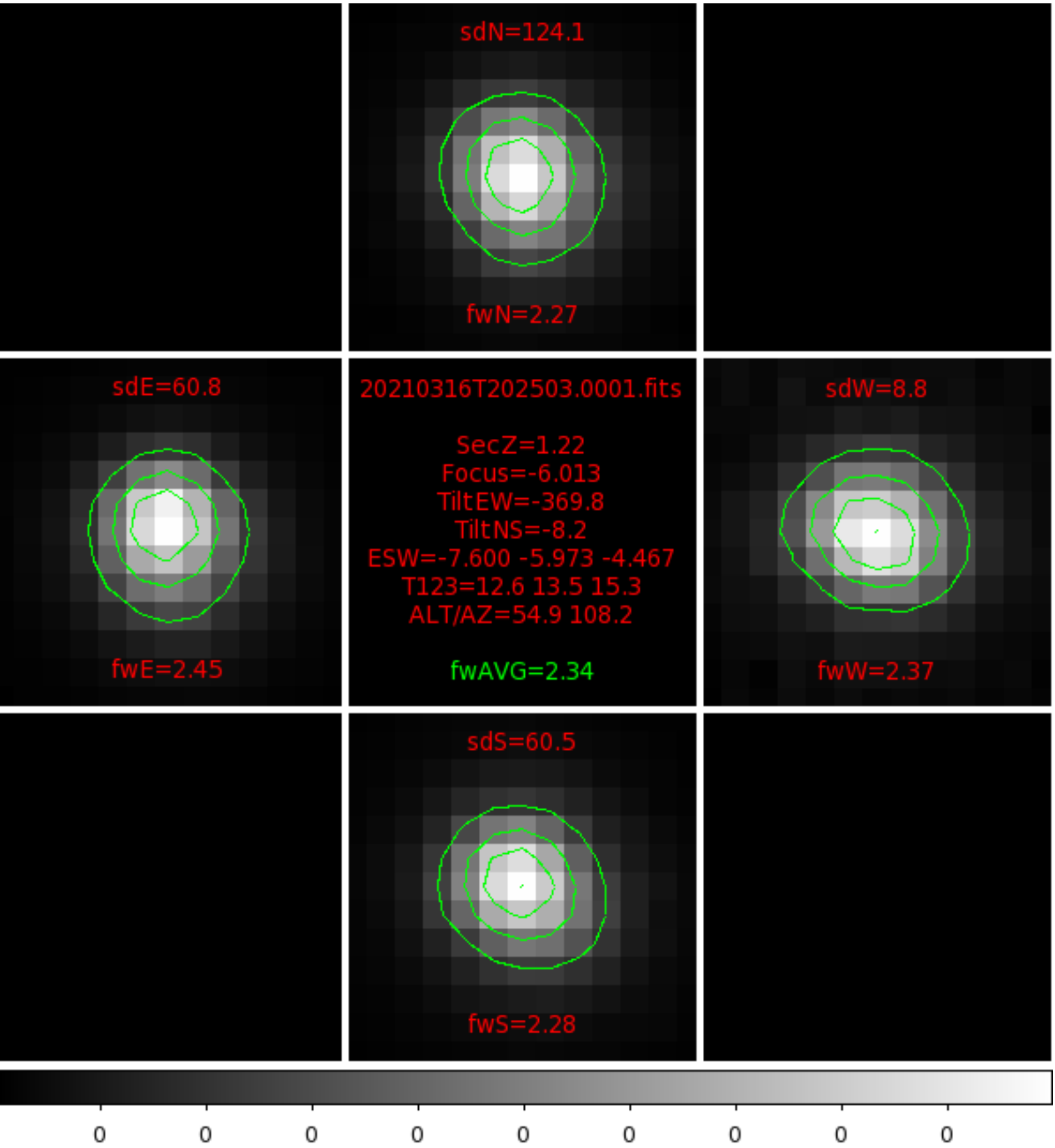
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SecZ=1.22
Focus=-6.013
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.600 -5.973 -4.467
T123=12.6 13.5 15.3
ALT/AZ=54.9 108.2
fwAVG=2.34
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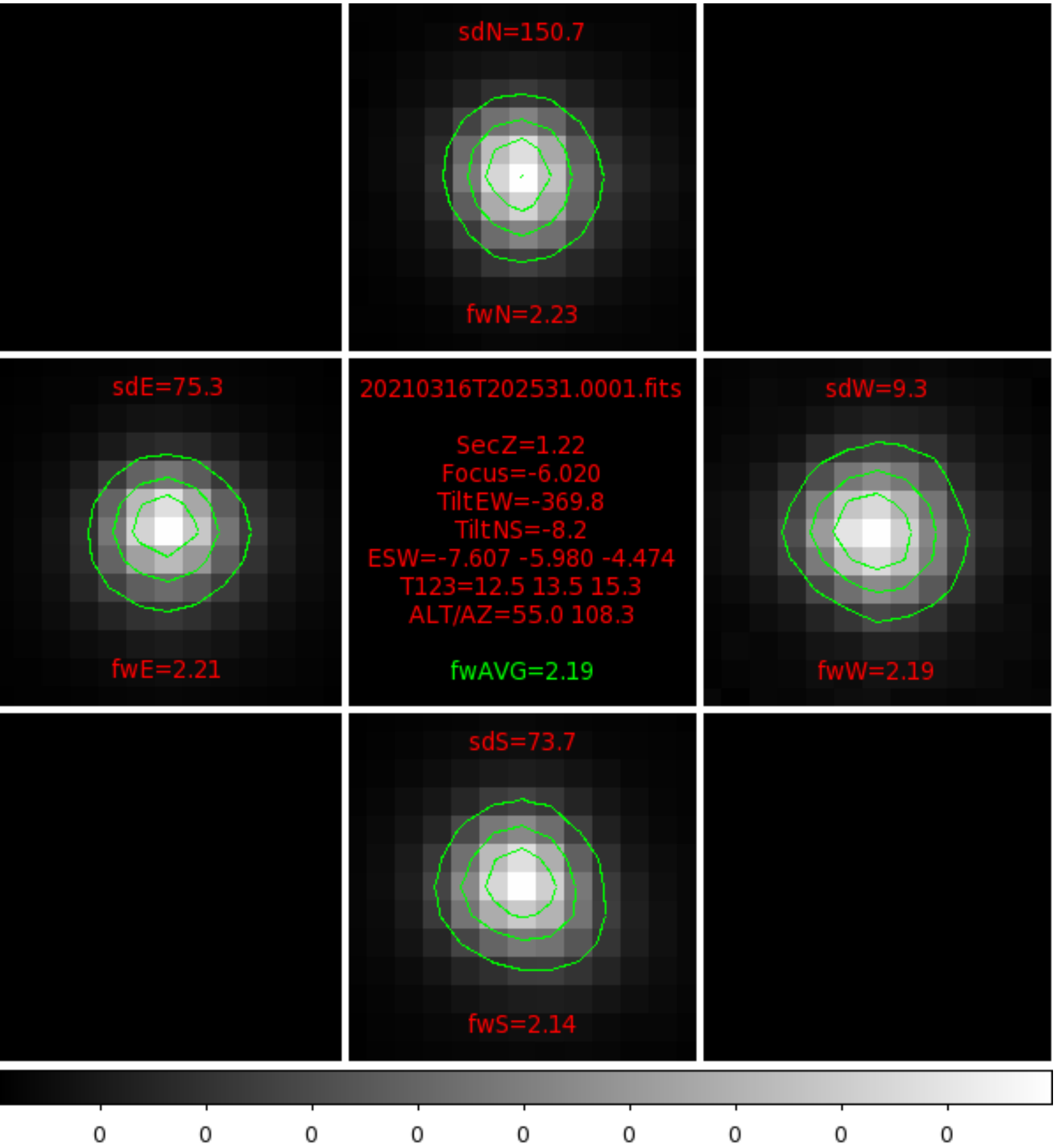
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SecZ=1.22
Focus=-6.020
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.607 -5.980 -4.474
T123=12.5 13.5 15.3
ALT/AZ=55.0 108.3
fwAVG=2.19
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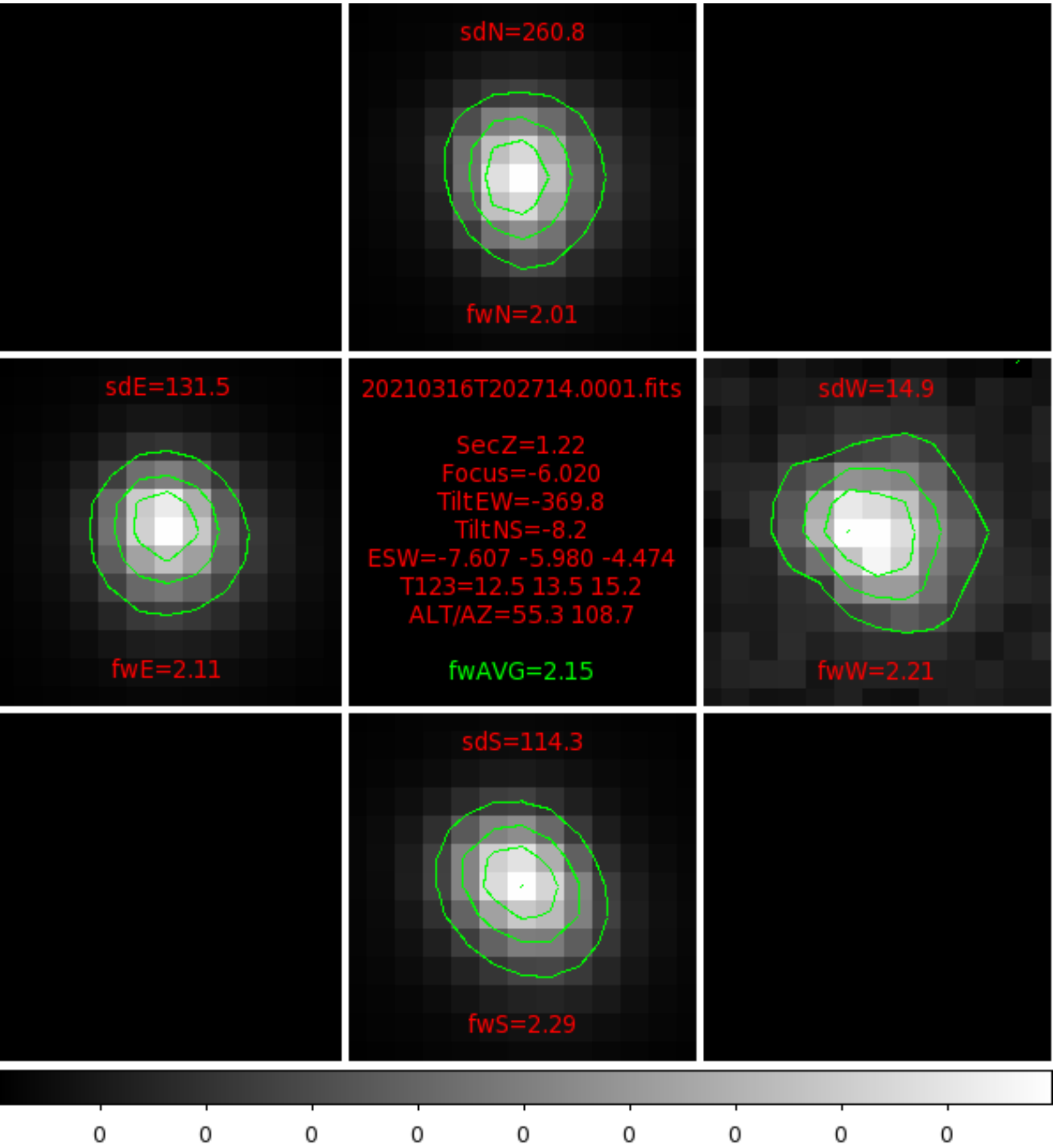
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fwE=2.11
20210316T202714.0001.fits
SecZ=1.22
Focus=-6.020
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.607 -5.980 -4.474
T123=12.5 13.5 15.2
ALT/AZ=55.3 108.7
fwAVG=2.15
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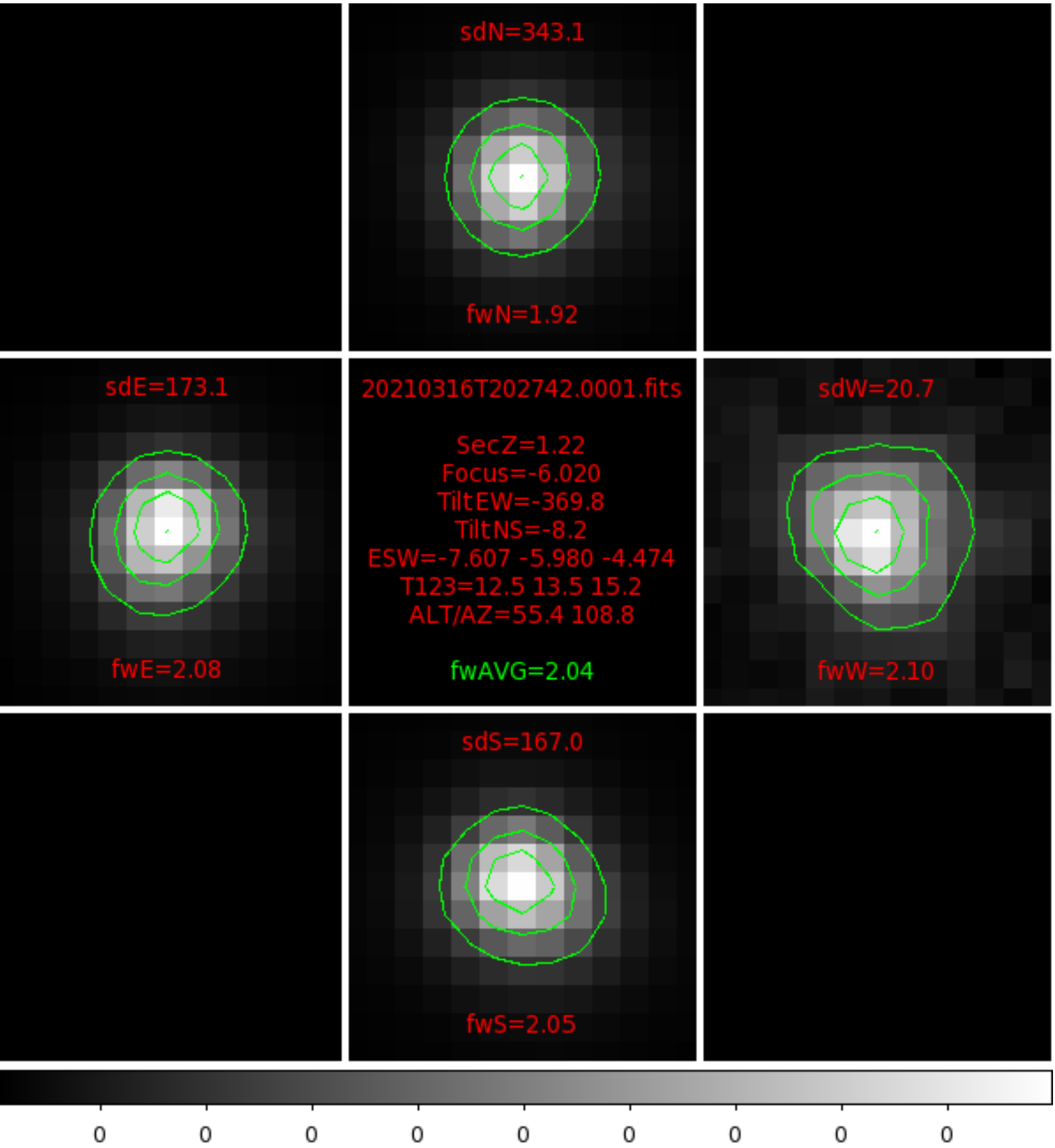
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sdE=173.1
fwE=2.08
20210316T202742.0001.fits
SecZ=1.22
Focus=-6.020
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.607 -5.980 -4.474
T123=12.5 13.5 15.2
ALT/AZ=55.4 108.8
fwAVG=2.04
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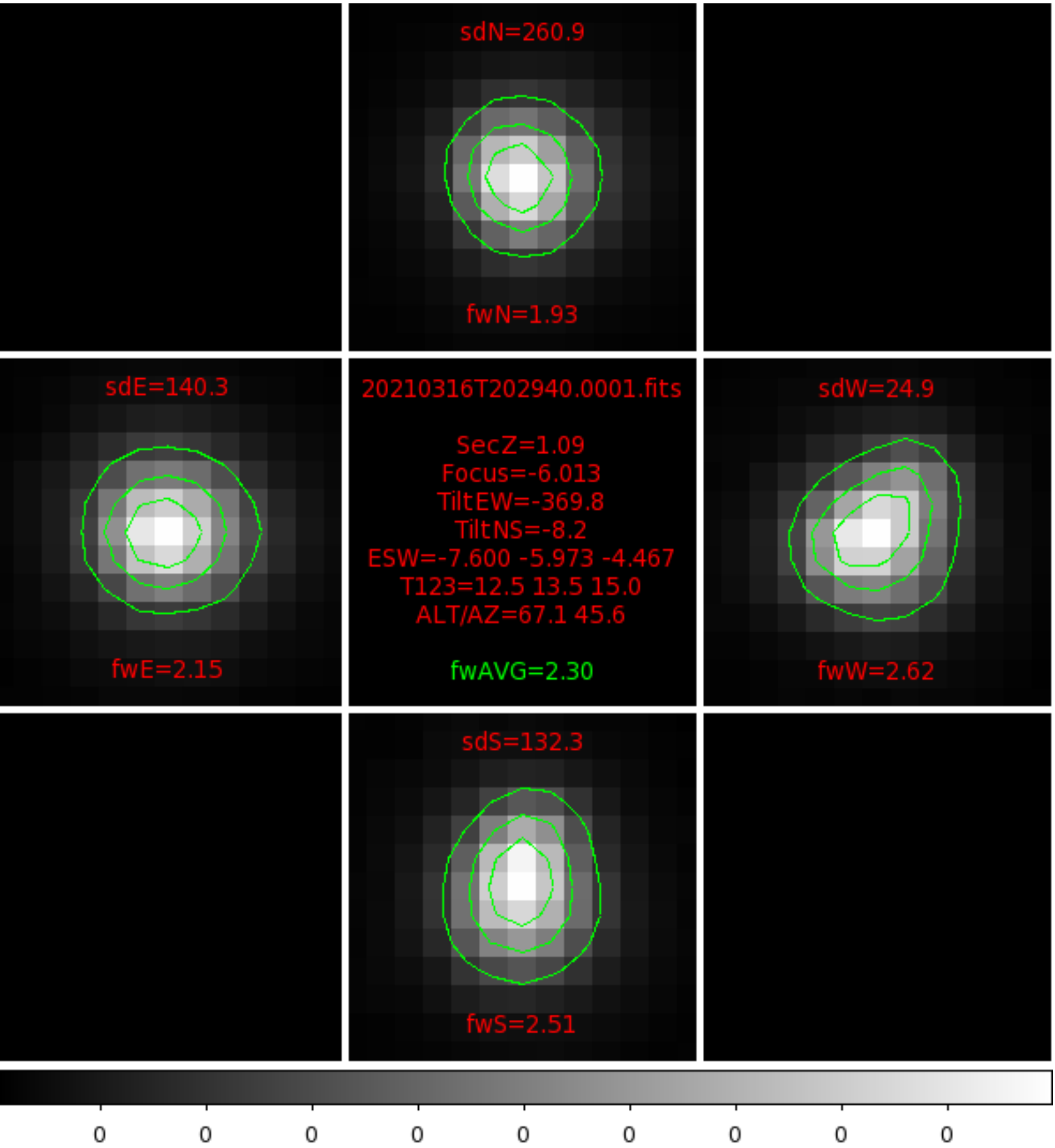
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sdE=140.3
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20210316T202940.0001.fits
SecZ=1.09
Focus=-6.013
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.600 -5.973 -4.467
T123=12.5 13.5 15.0
ALT/AZ=67.1 45.6
fwAVG=2.30
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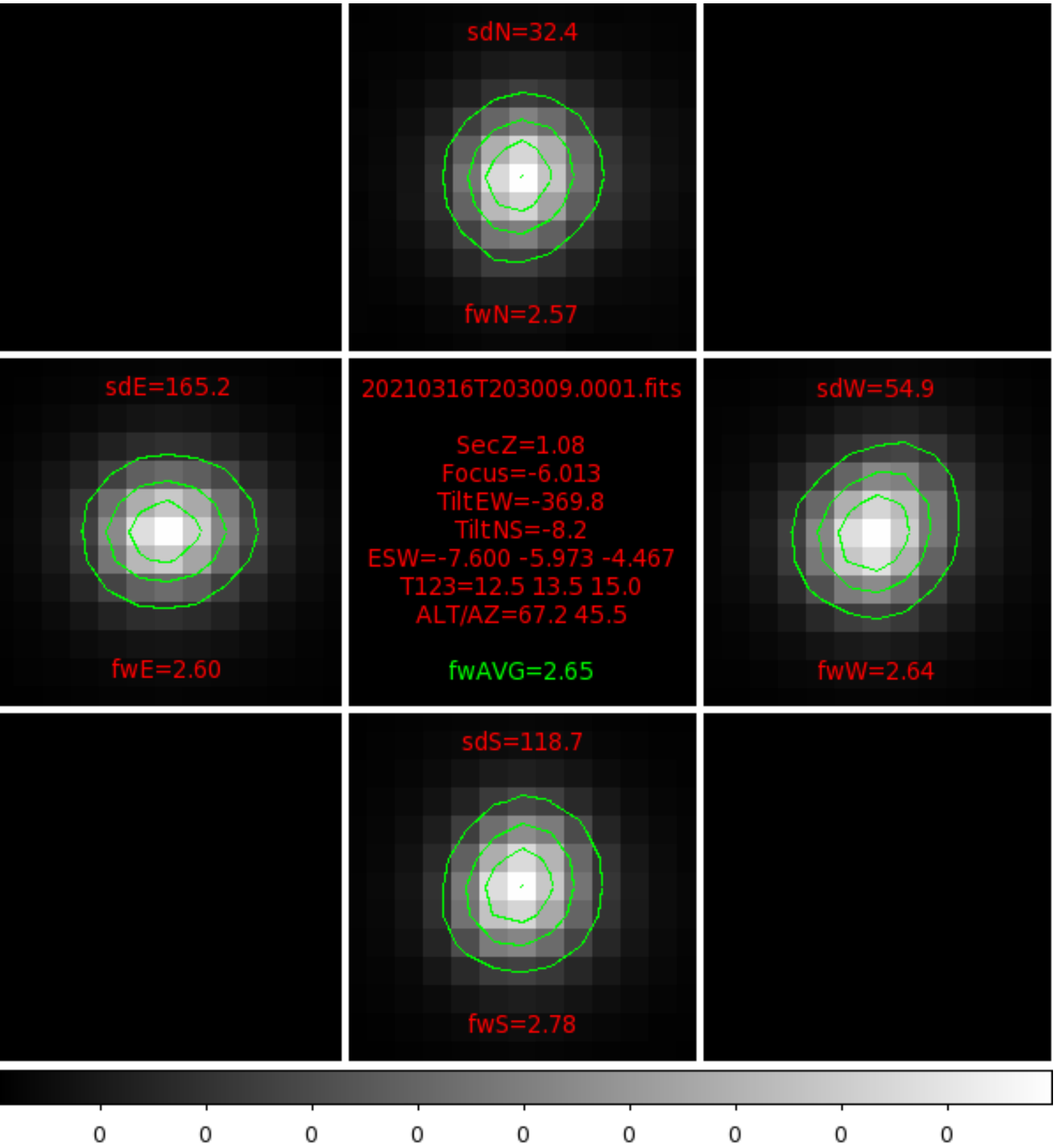
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20210316T203009.0001.fits
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TiltNS=-8.2
ESW=-7.600 -5.973 -4.467
T123=12.5 13.5 15.0
ALT/AZ=67.2 45.5
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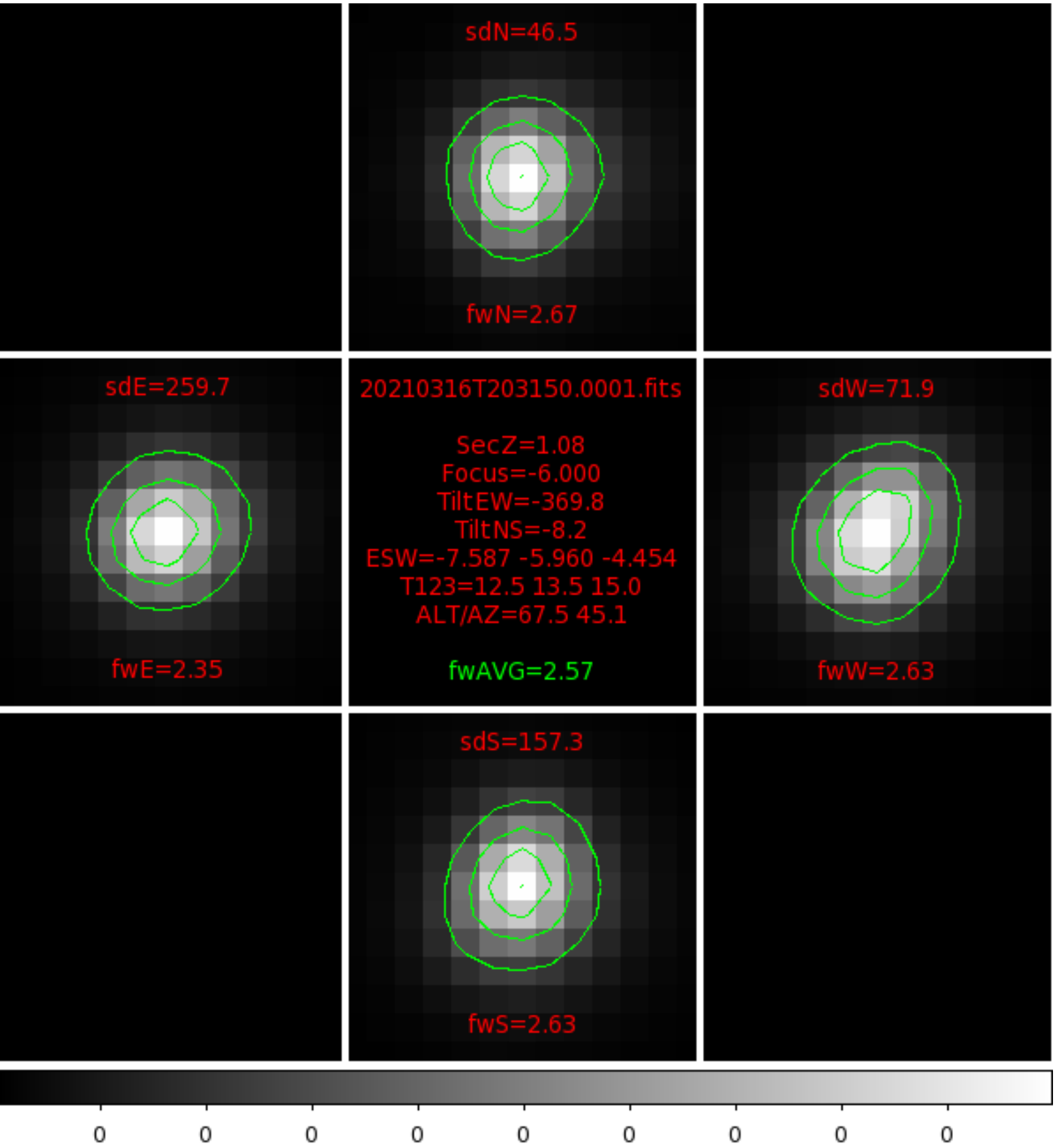
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ESW=-7.587 -5.960 -4.454
T123=12.5 13.5 15.0
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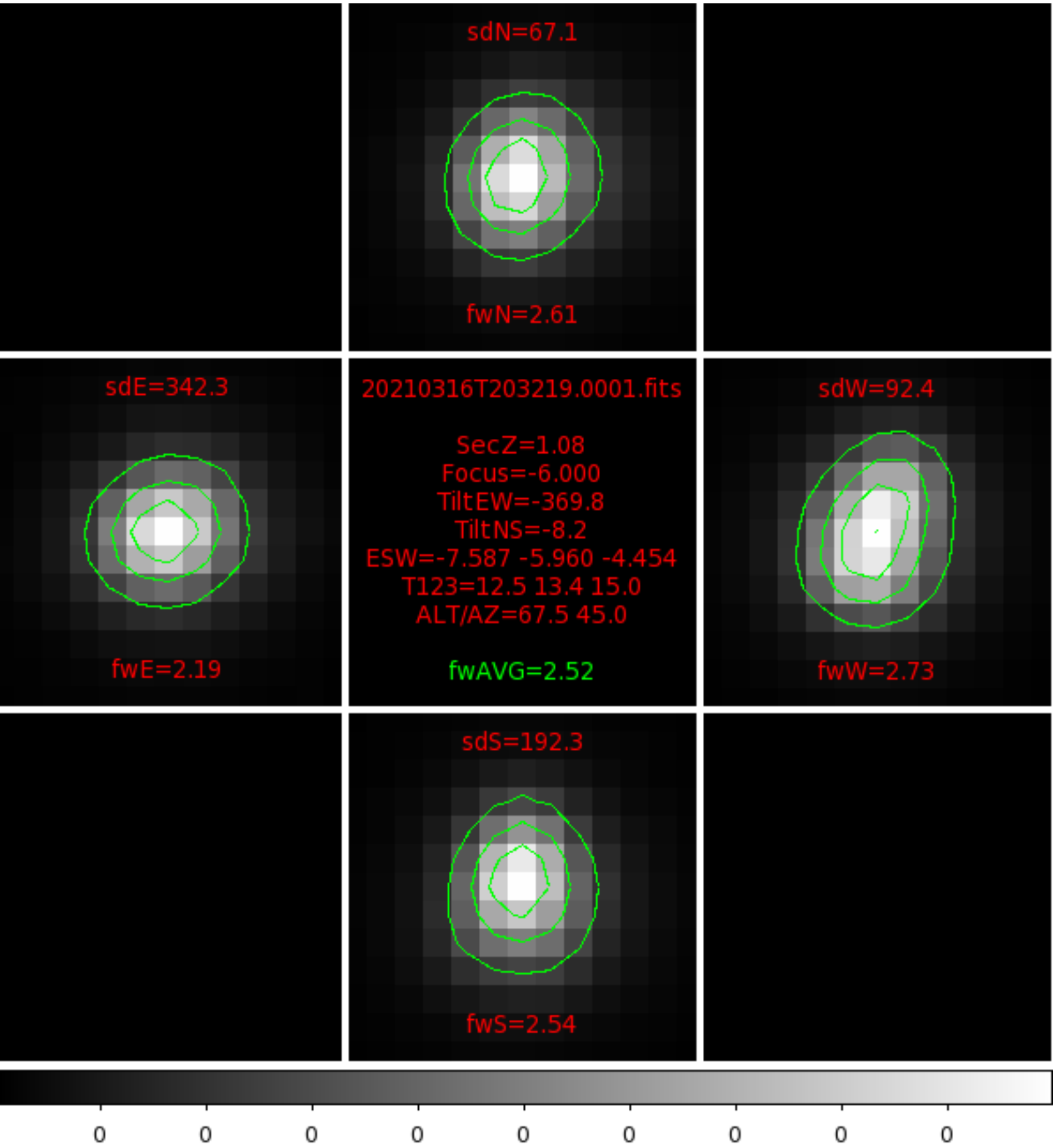
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ESW=-7.587 -5.960 -4.454
T123=12.5 13.4 15.0
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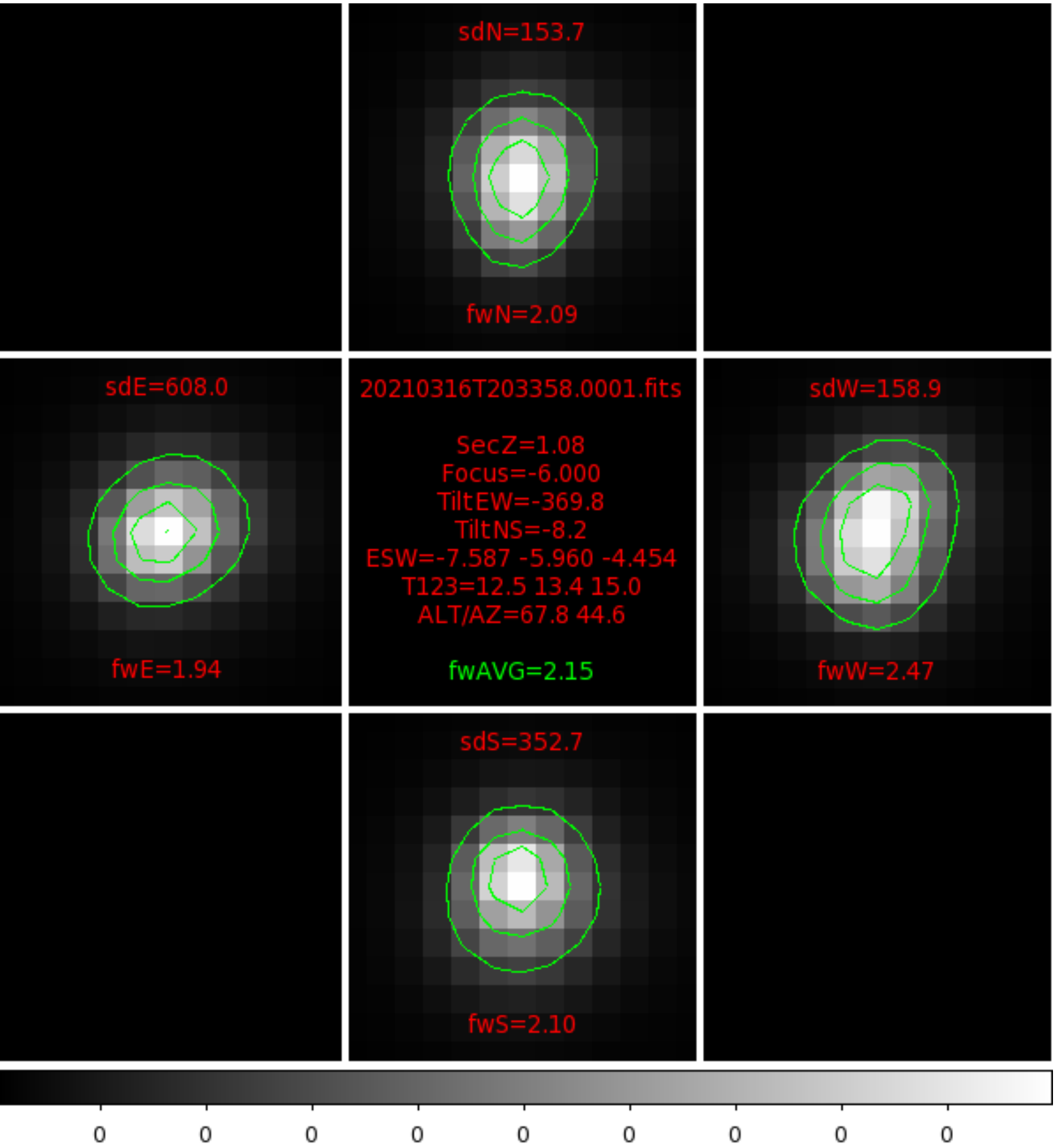
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ESW=-7.587 -5.960 -4.454
T123=12.5 13.4 15.0
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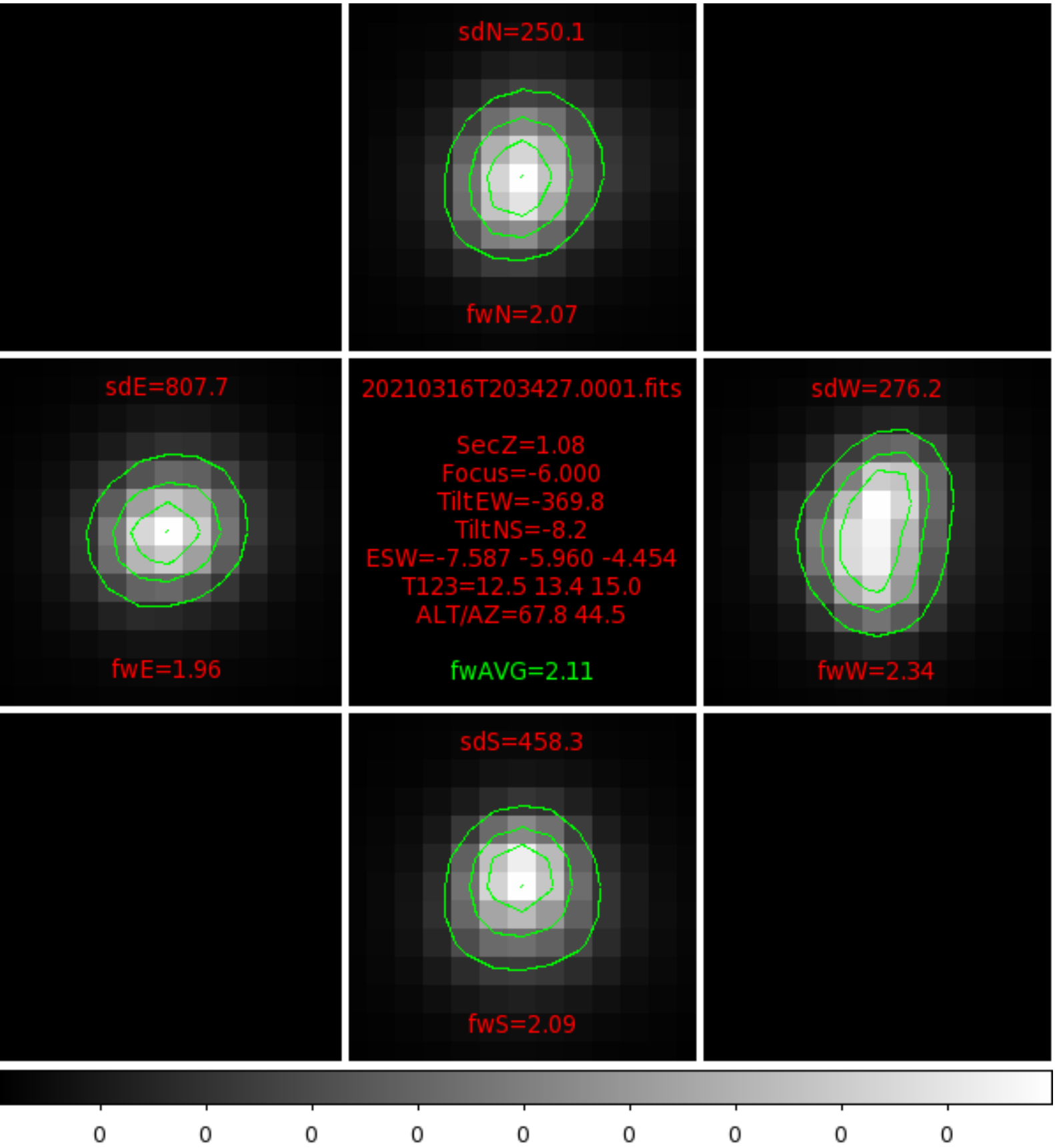
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SecZ=1.08
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ESW=-7.587 -5.960 -4.454
T123=12.5 13.4 15.0
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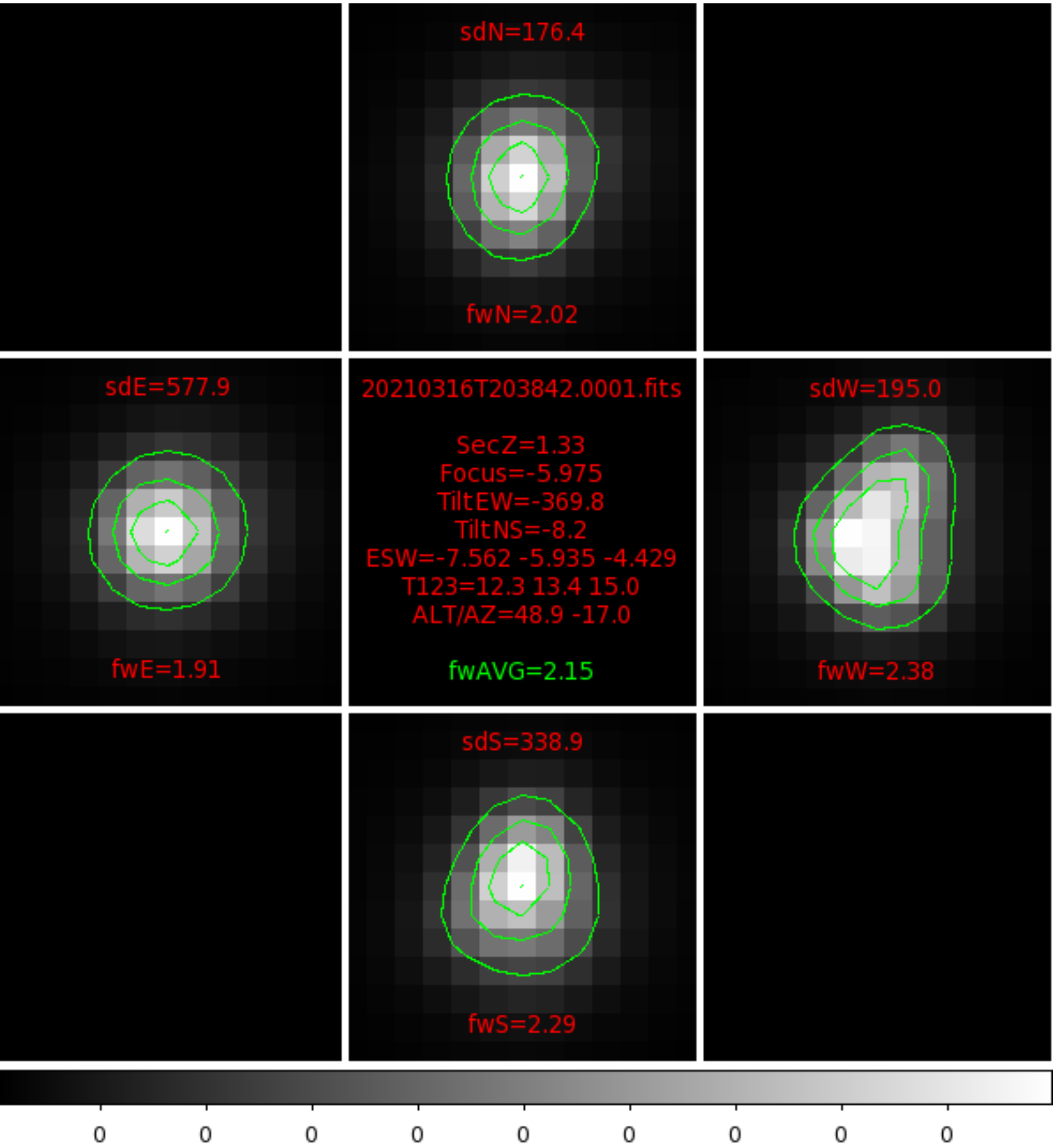
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20210316T203842.0001.fits
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TiltNS=-8.2
ESW=-7.562 -5.935 -4.429
T123=12.3 13.4 15.0
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fwAVG=2.15
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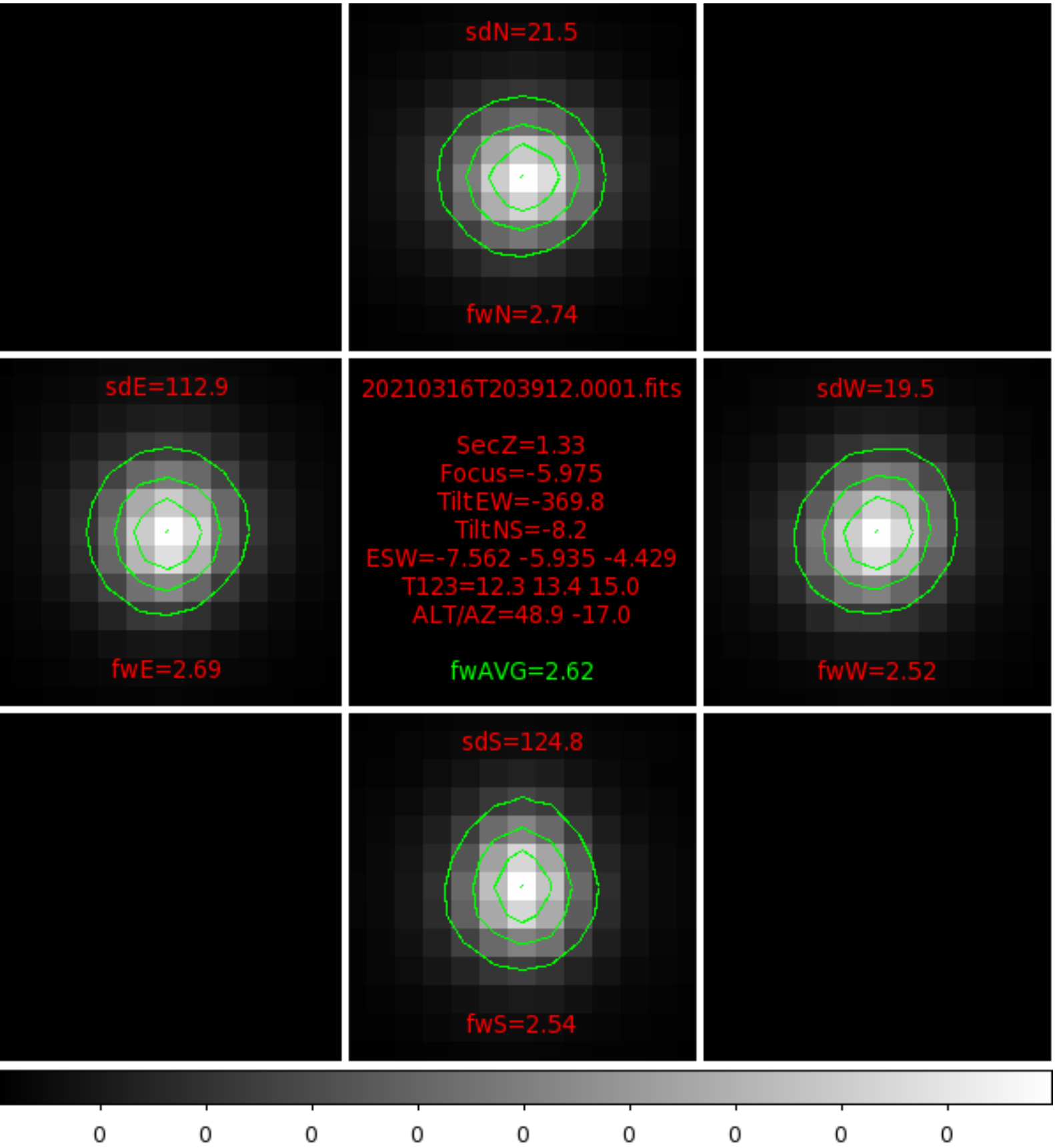
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SecZ=1.33
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ESW=-7.562 -5.935 -4.429
T123=12.3 13.4 15.0
ALT/AZ=48.9 -17.0
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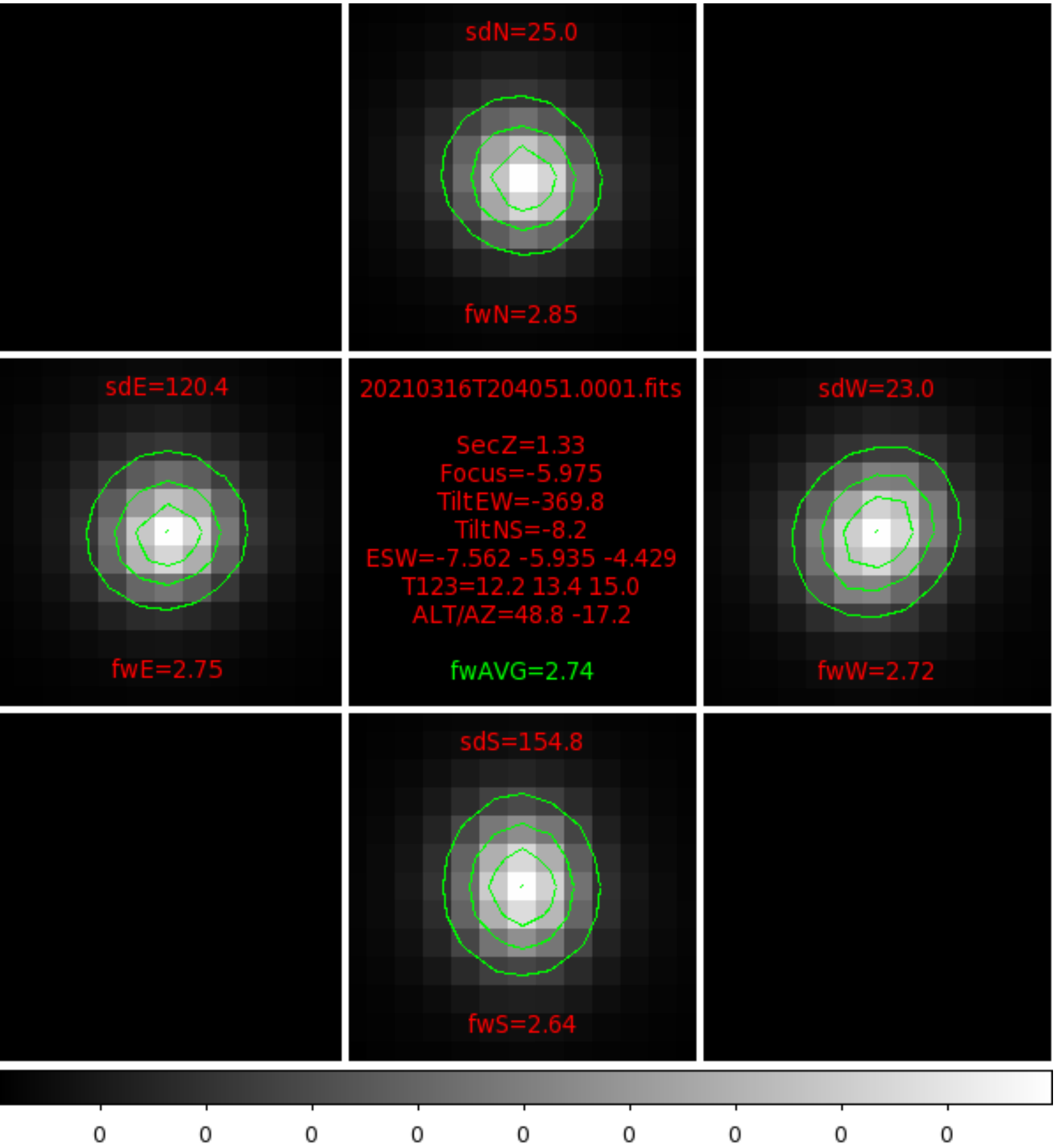
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20210316T204051.0001.fits
SecZ=1.33
Focus=-5.975
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.562 -5.935 -4.429
T123=12.2 13.4 15.0
ALT/AZ=48.8 -17.2
fwAVG=2.74
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sdS=154.8
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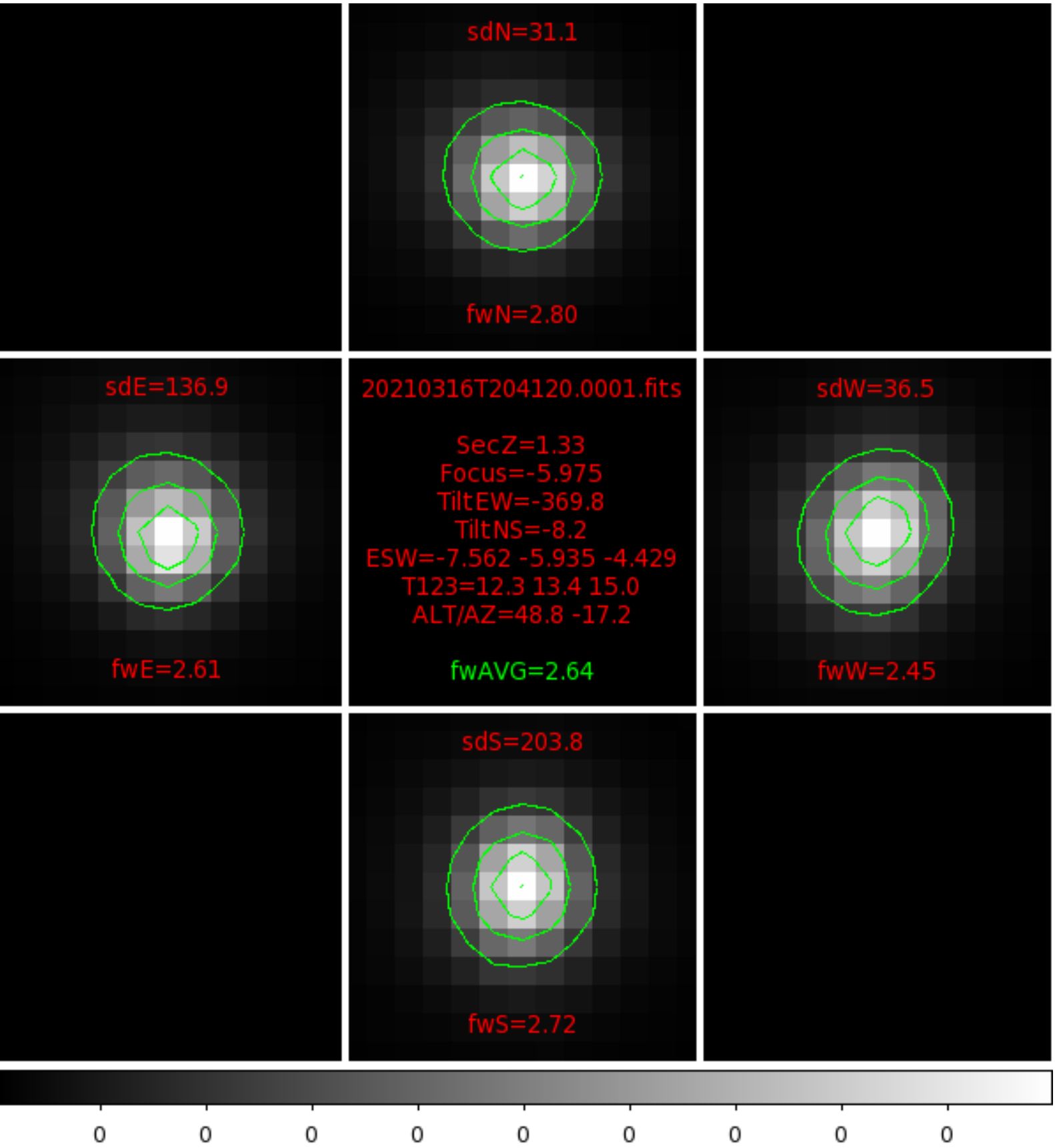
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20210316T204120.0001.fits
SecZ=1.33
Focus=-5.975
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.562 -5.935 -4.429
T123=12.3 13.4 15.0
ALT/AZ=48.8 -17.2
fwAVG=2.64
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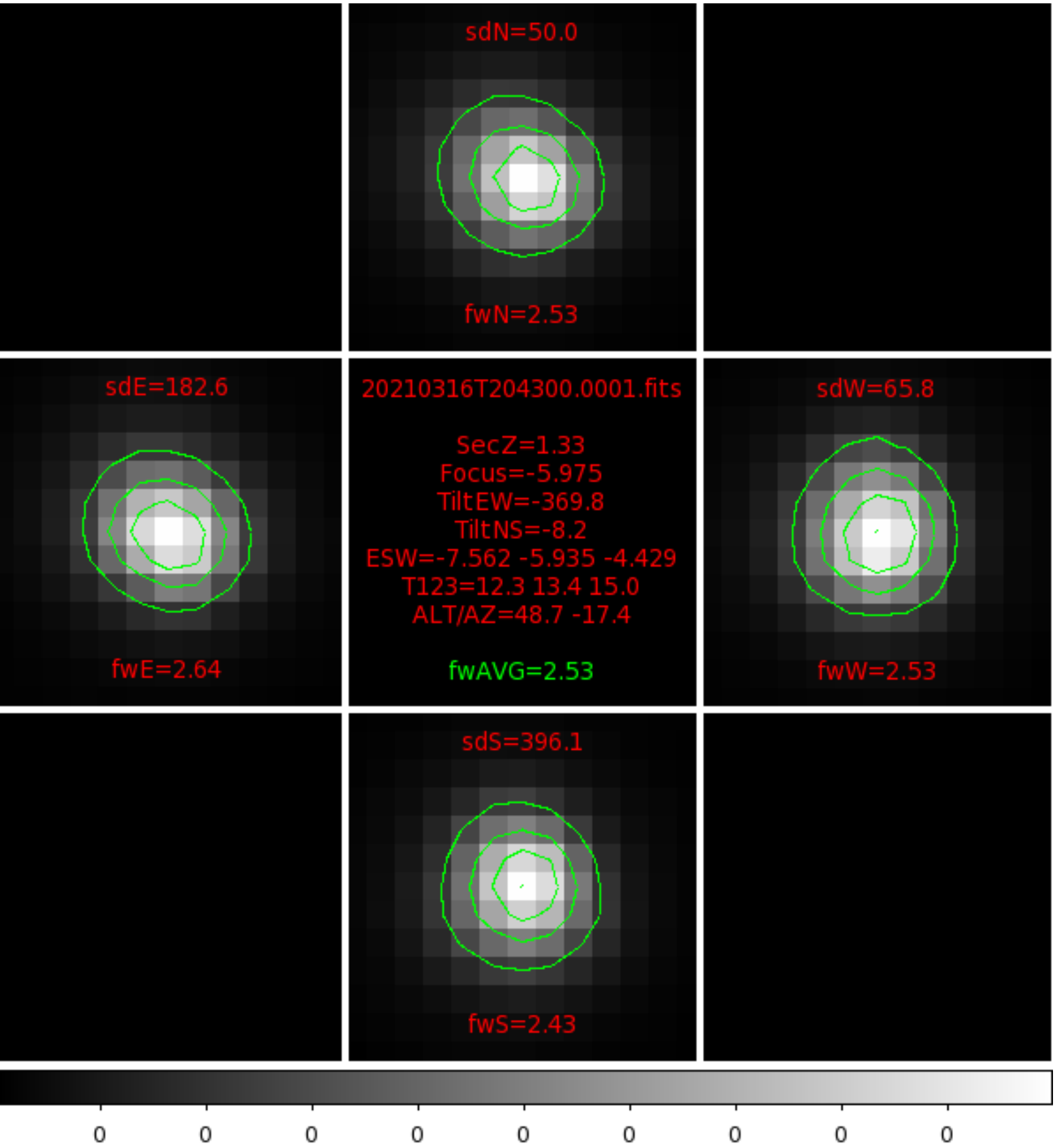
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SecZ=1.33
Focus=-5.975
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.562 -5.935 -4.429
T123=12.3 13.4 15.0
ALT/AZ=48.7 -17.4
fwAVG=2.53
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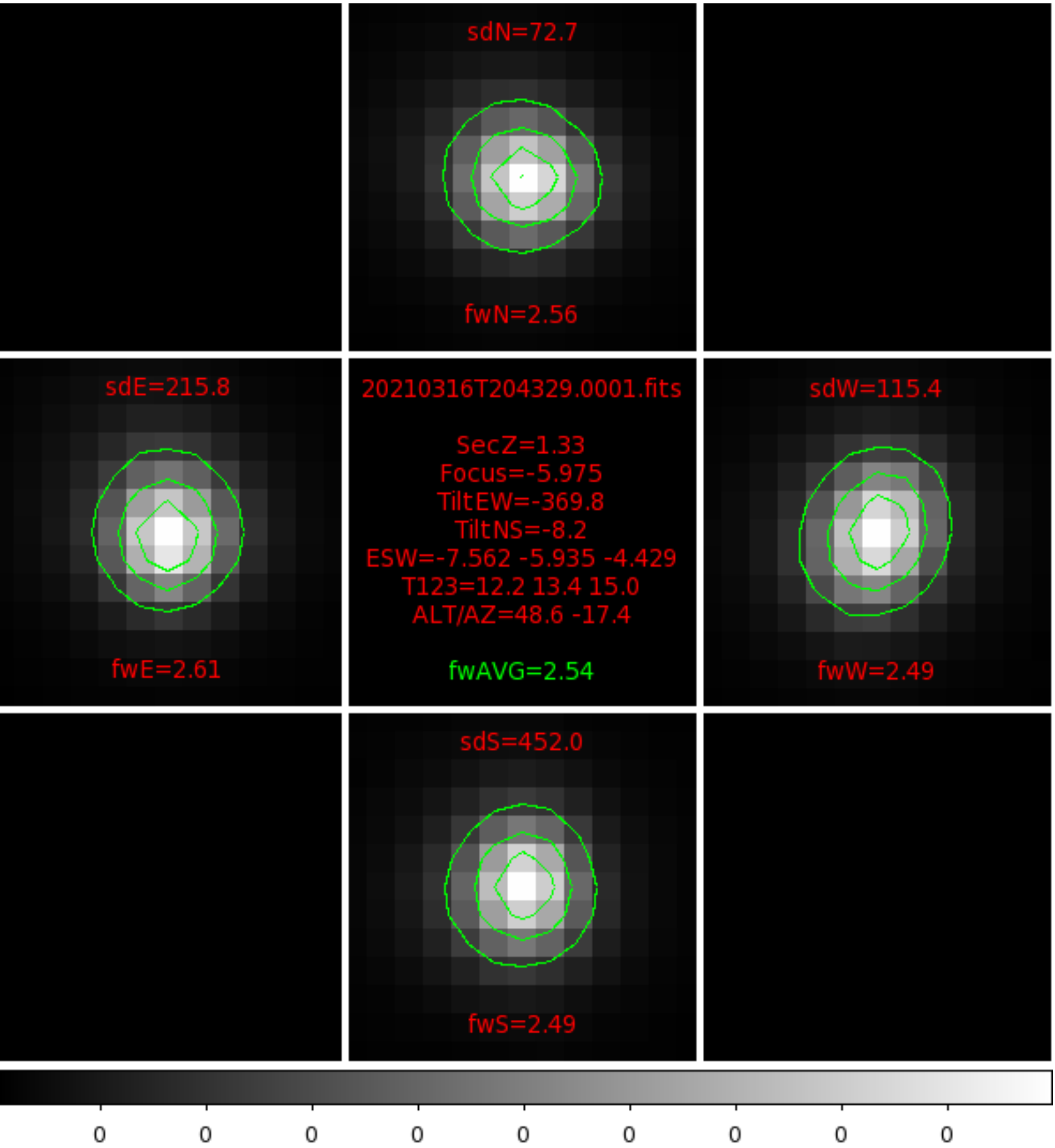
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20210316T204329.0001.fits
SecZ=1.33
Focus=-5.975
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.562 -5.935 -4.429
T123=12.2 13.4 15.0
ALT/AZ=48.6 -17.4
fwAVG=2.54
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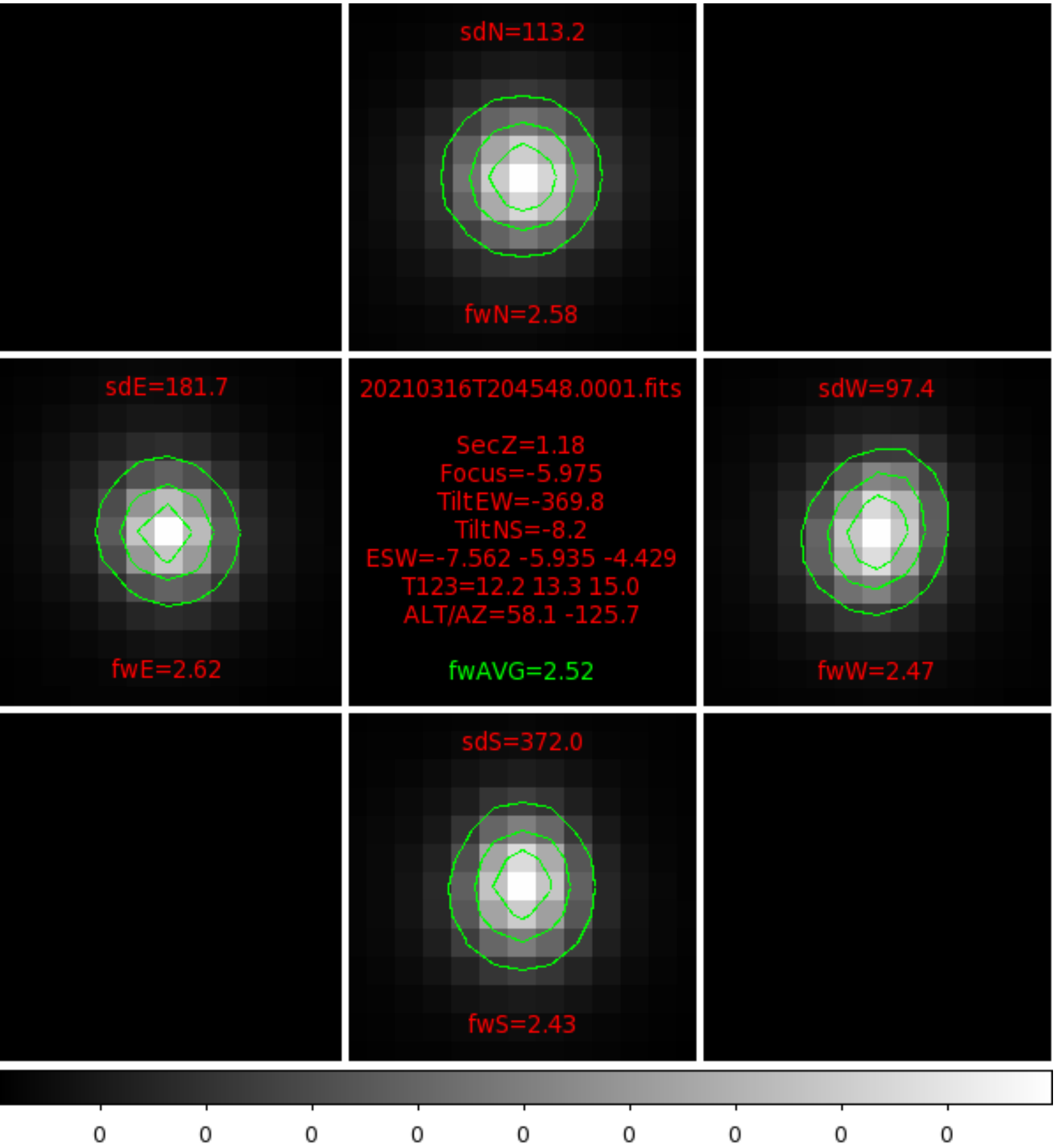
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Focus=-5.975
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.562 -5.935 -4.429
T123=12.2 13.3 15.0
ALT/AZ=58.1 -125.7
fwAVG=2.52
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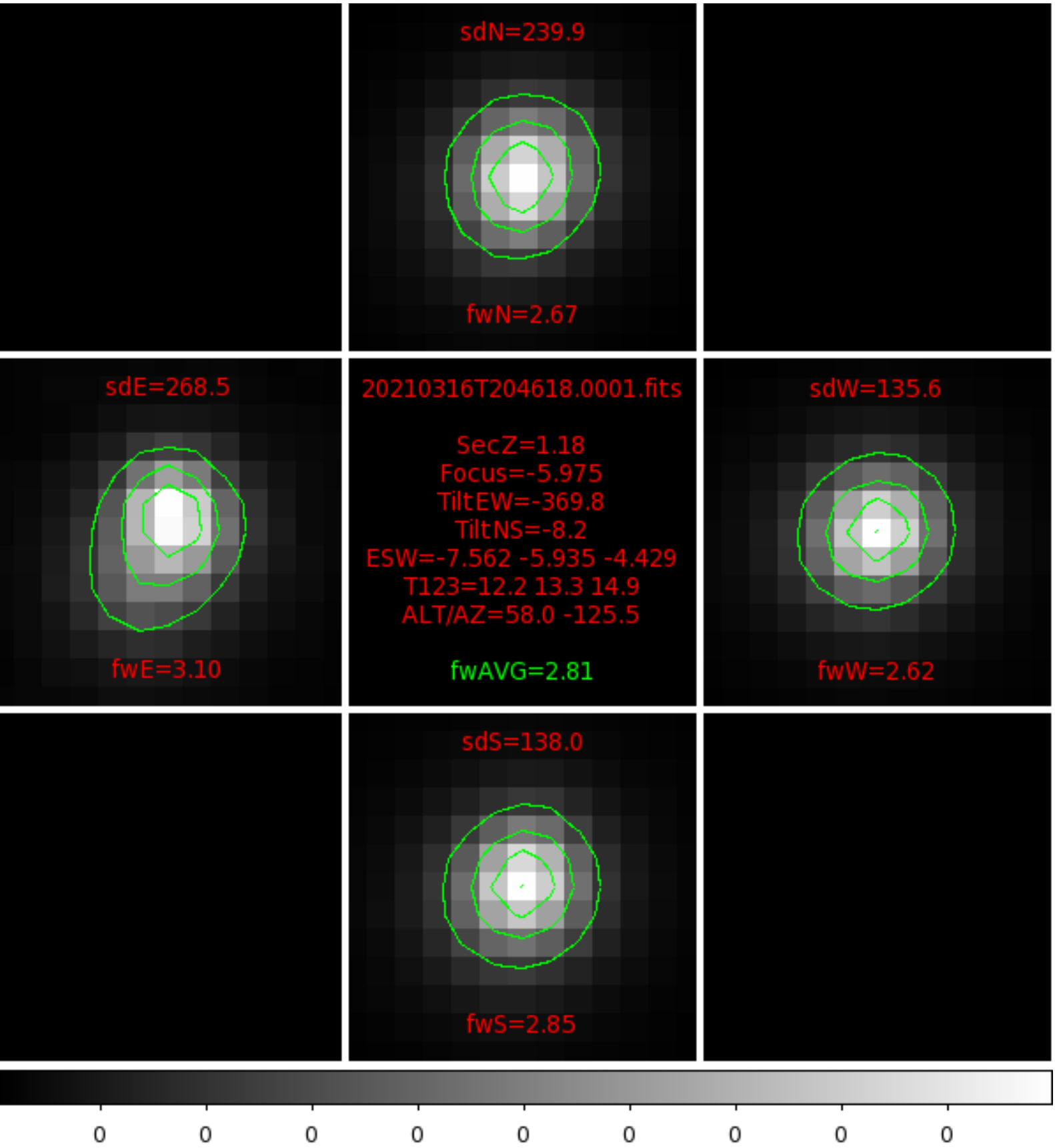
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20210316T204618.0001.fits
SecZ=1.18
Focus=-5.975
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.562 -5.935 -4.429
T123=12.2 13.3 14.9
ALT/AZ=58.0 -125.5
fwAVG=2.81
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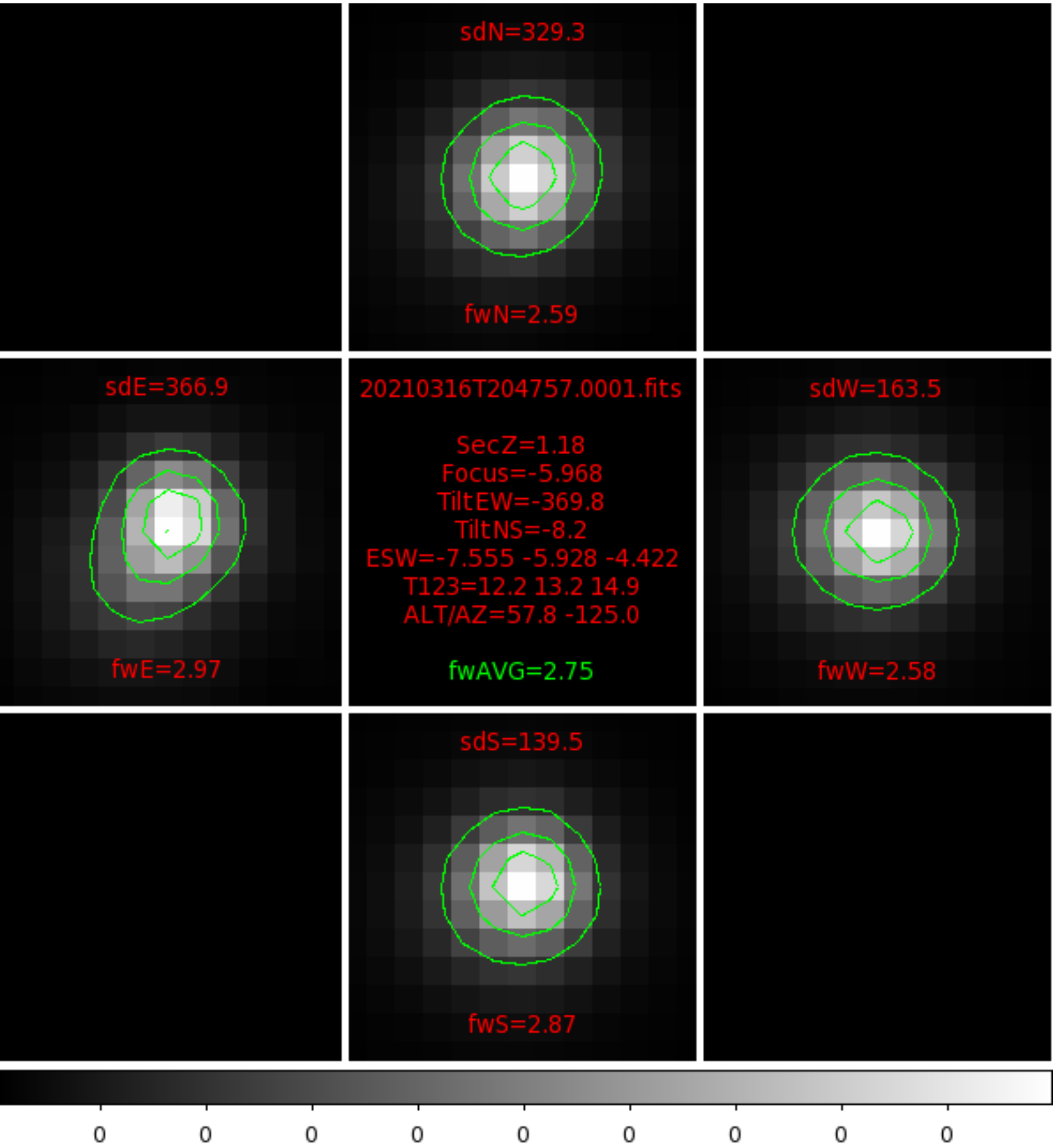
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SecZ=1.18
Focus=-5.968
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.555 -5.928 -4.422
T123=12.2 13.2 14.9
ALT/AZ=57.8 -125.0
fwAVG=2.75
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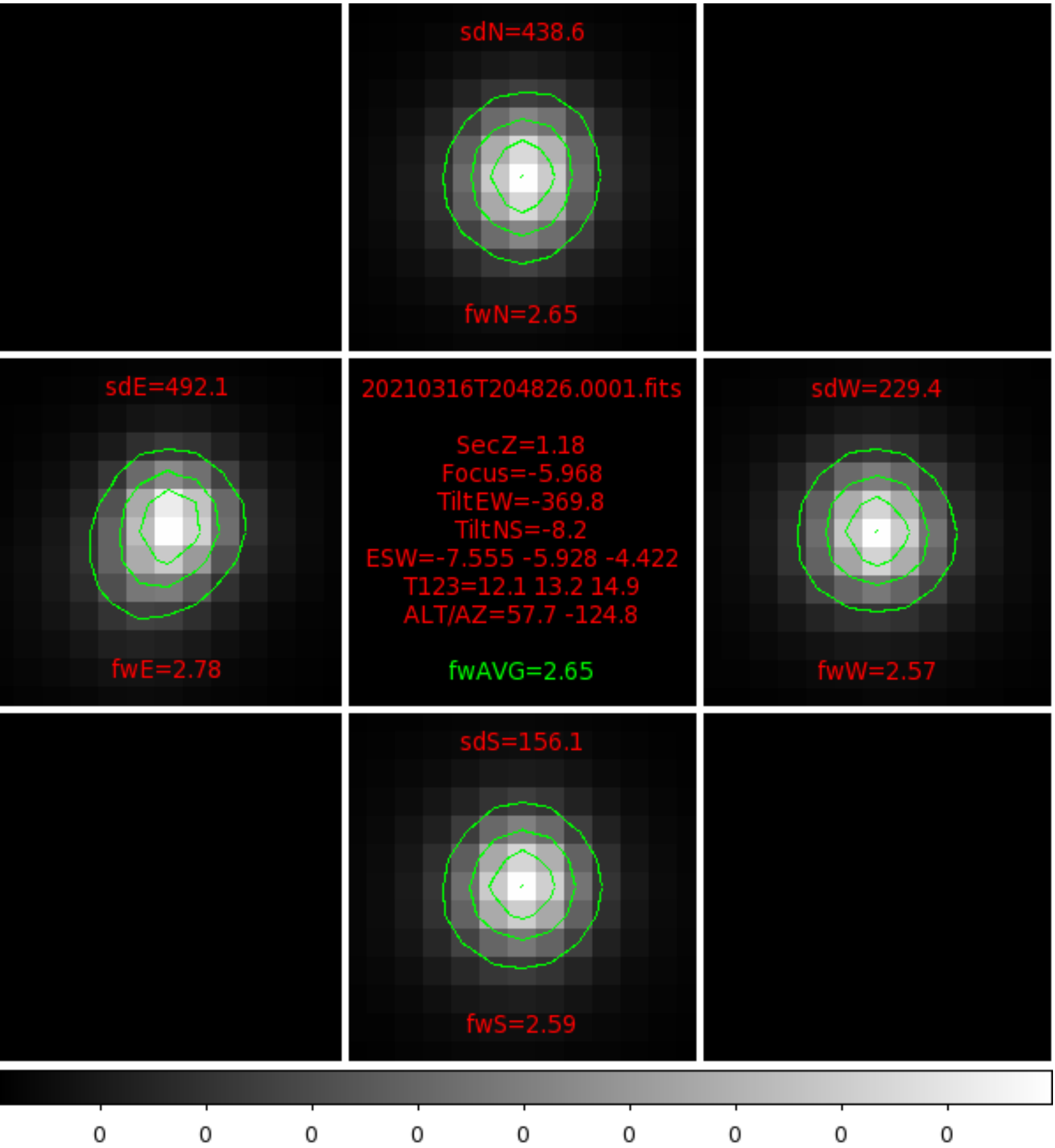
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SecZ=1.18
Focus=-5.968
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.555 -5.928 -4.422
T123=12.1 13.2 14.9
ALT/AZ=57.7 -124.8
fwAVG=2.65
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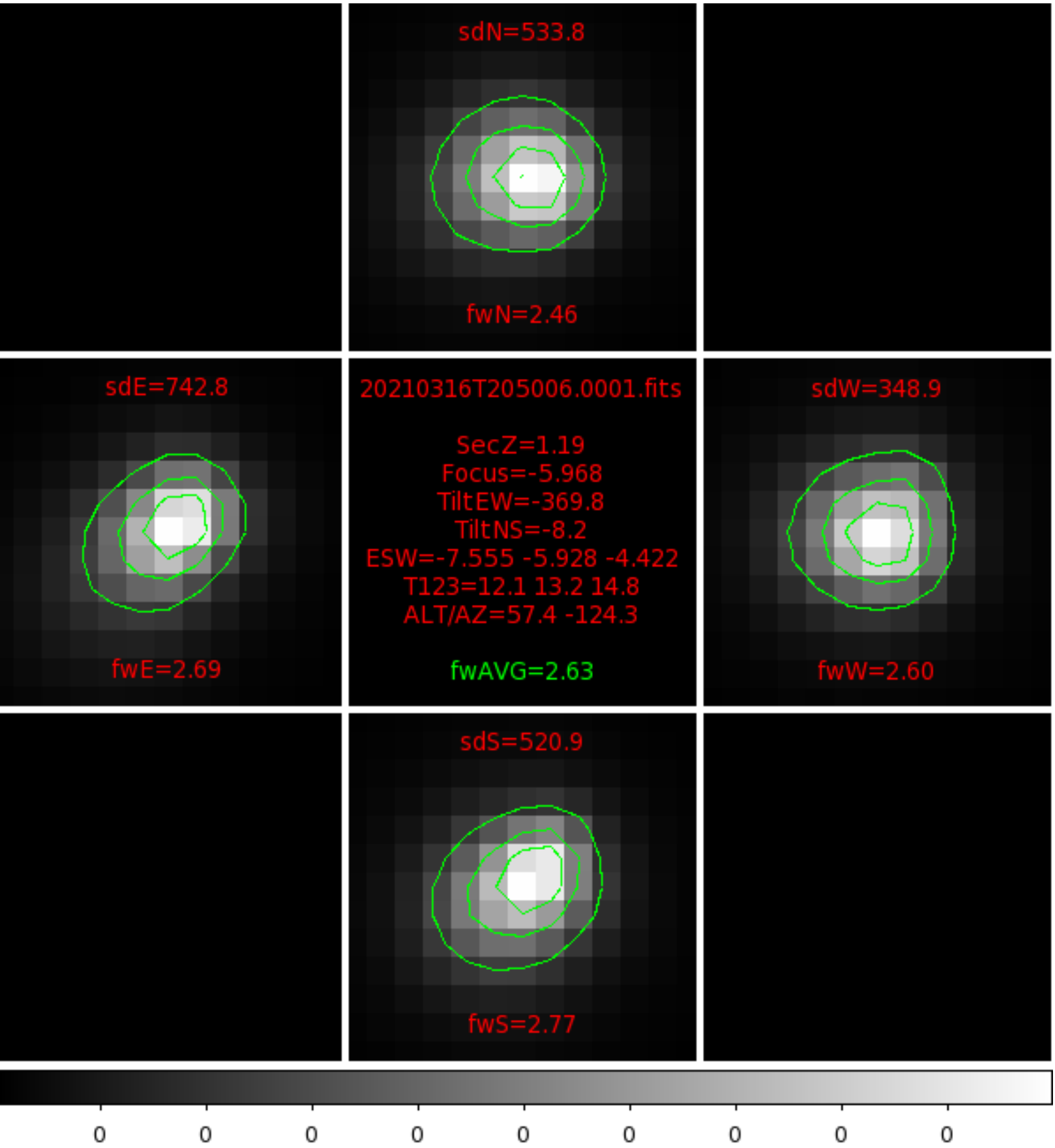
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SecZ=1.19
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TiltNS=-8.2
ESW=-7.555 -5.928 -4.422
T123=12.1 13.2 14.8
ALT/AZ=57.4 -124.3
fwAVG=2.63
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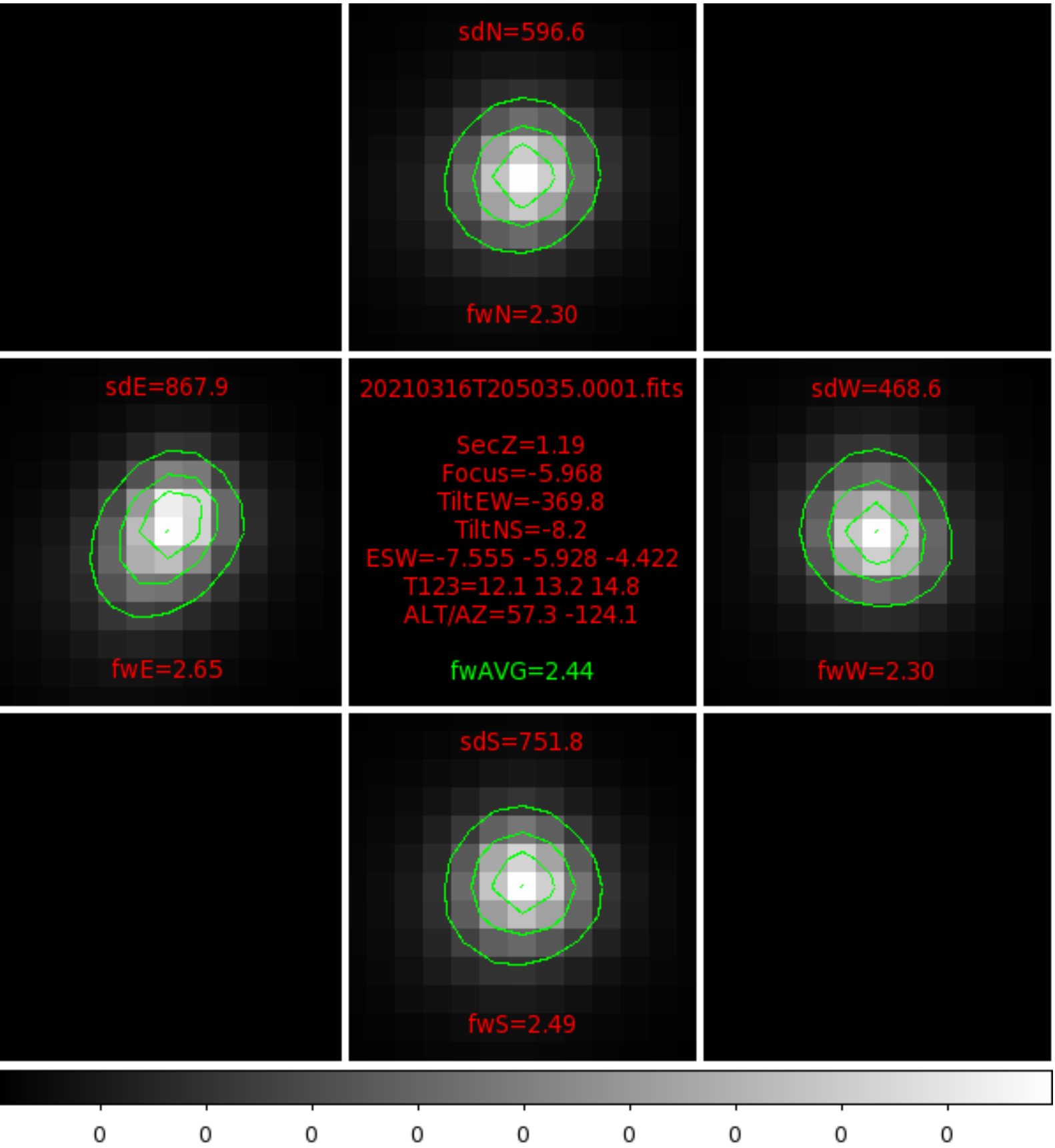
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SecZ=1.19
Focus=-5.968
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.555 -5.928 -4.422
T123=12.1 13.2 14.8
ALT/AZ=57.3 -124.1
fwAVG=2.44
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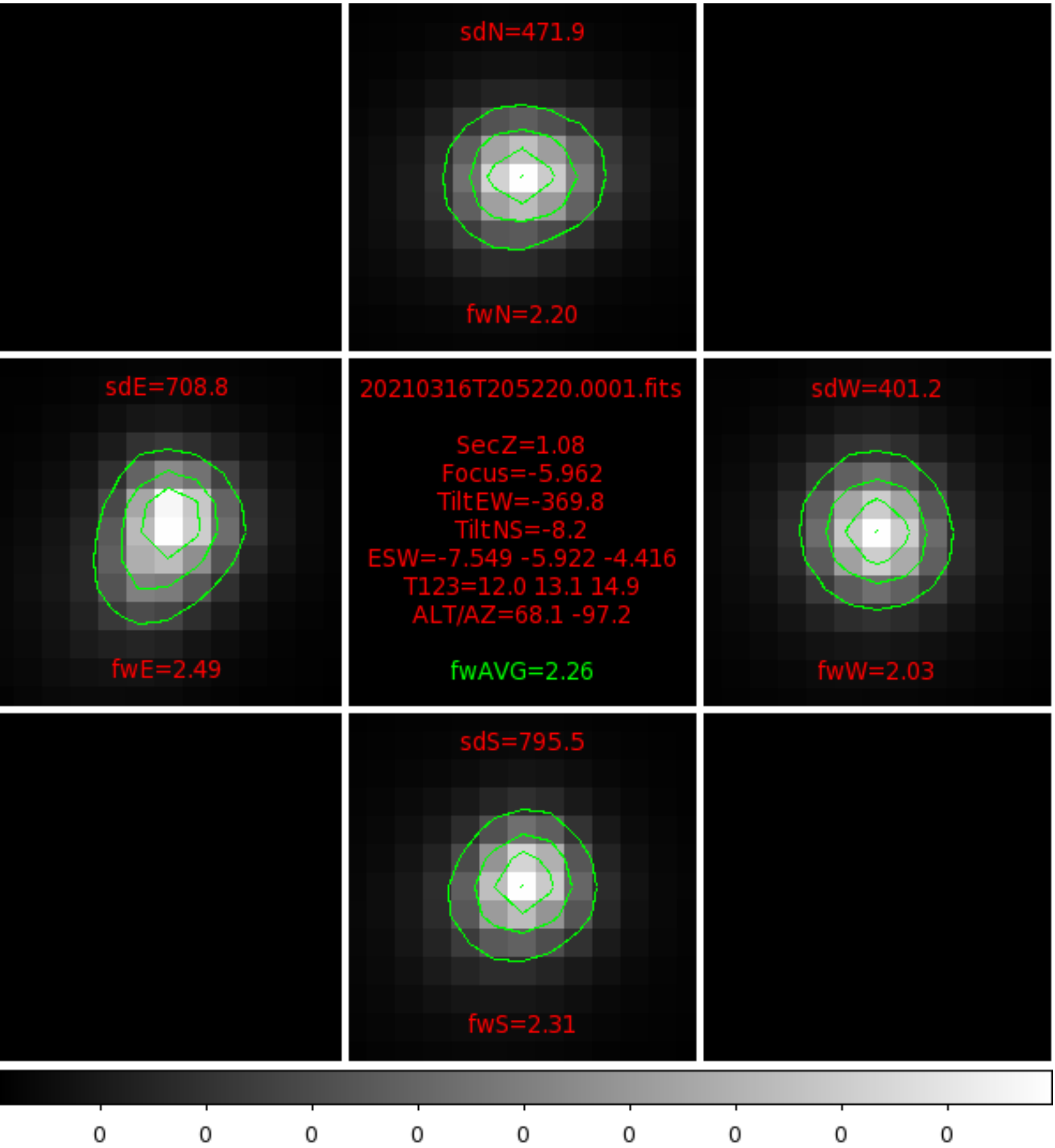
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sdE=708.8
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SecZ=1.08
Focus=-5.962
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.549 -5.922 -4.416
T123=12.0 13.1 14.9
ALT/AZ=68.1 -97.2
fwAVG=2.26
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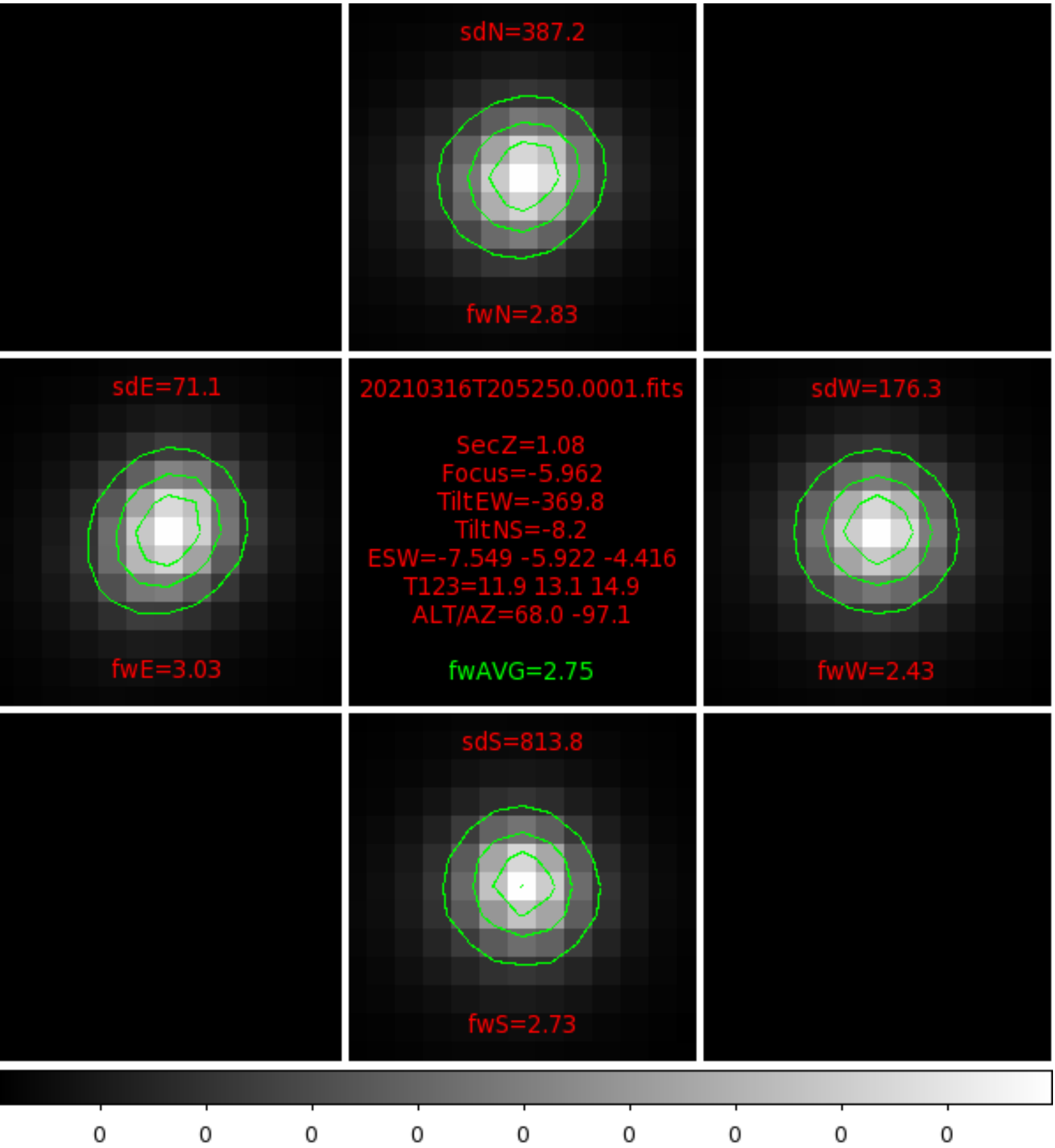
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SecZ=1.08
Focus=-5.962
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.549 -5.922 -4.416
T123=11.9 13.1 14.9
ALT/AZ=68.0 -97.1
fwAVG=2.75
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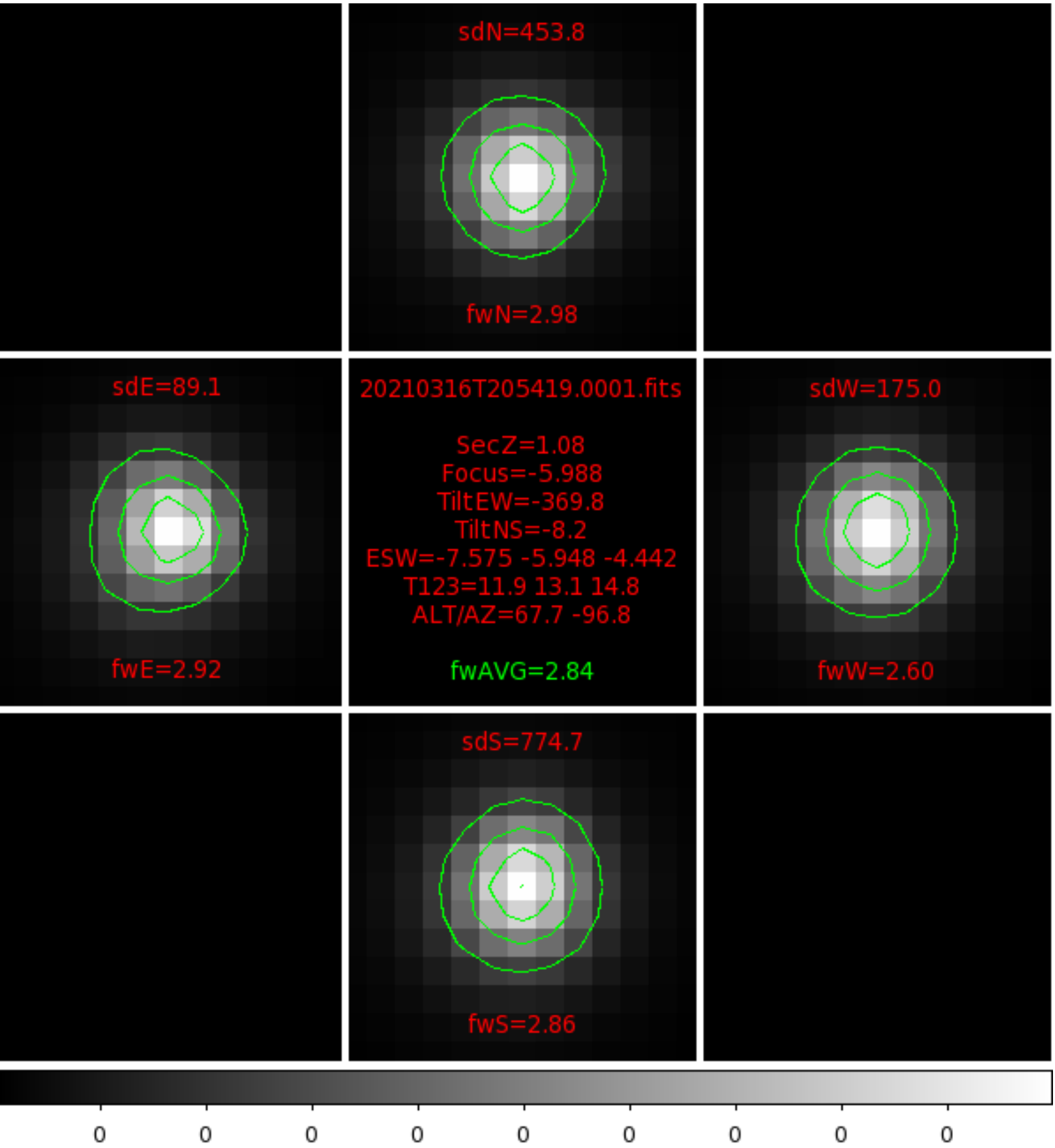
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sdE=89.1
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SecZ=1.08
Focus=-5.988
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.575 -5.948 -4.442
T123=11.9 13.1 14.8
ALT/AZ=67.7 -96.8
fwAVG=2.84
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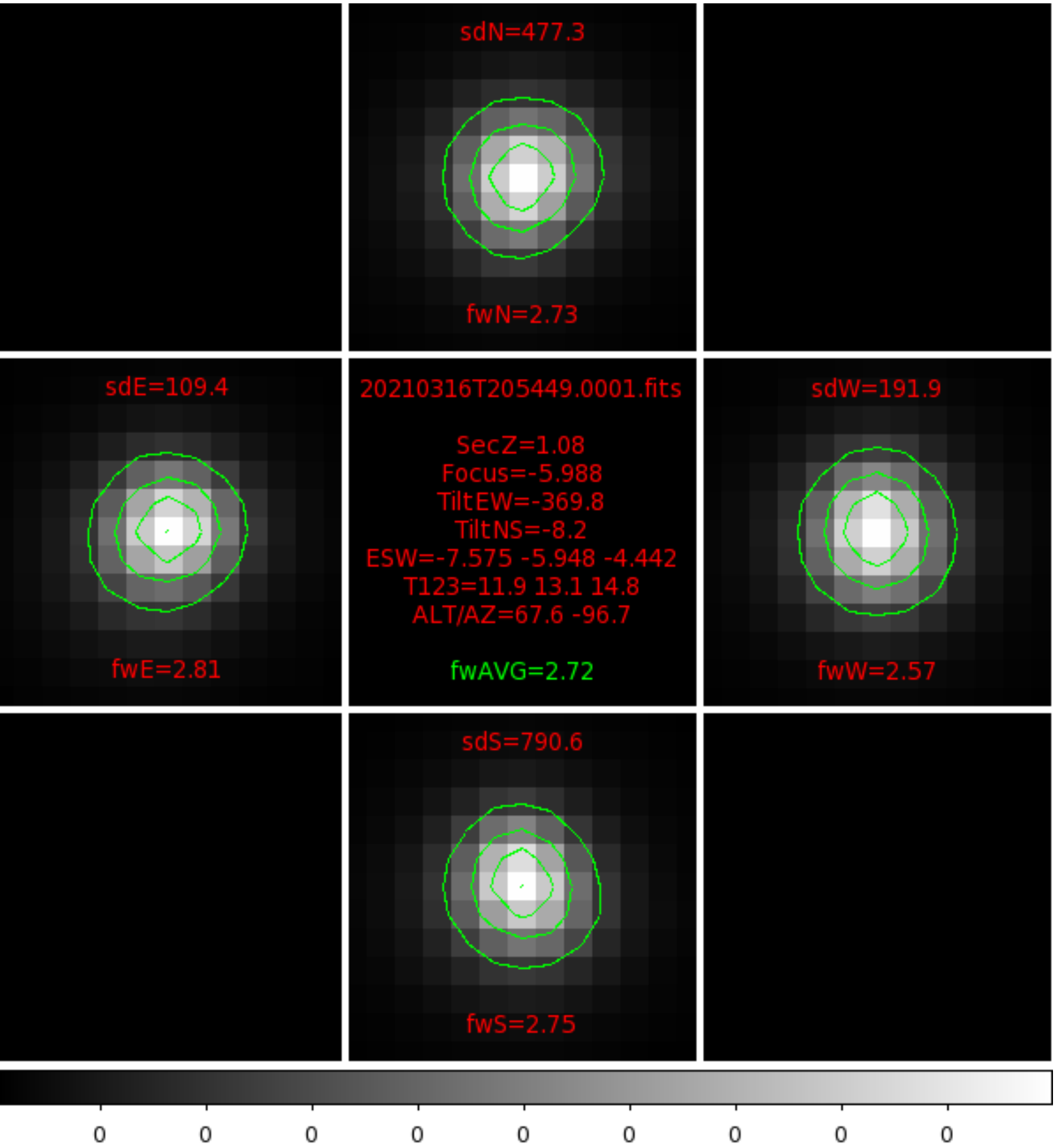
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SecZ=1.08
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.575 -5.948 -4.442
T123=11.9 13.1 14.8
ALT/AZ=67.6 -96.7
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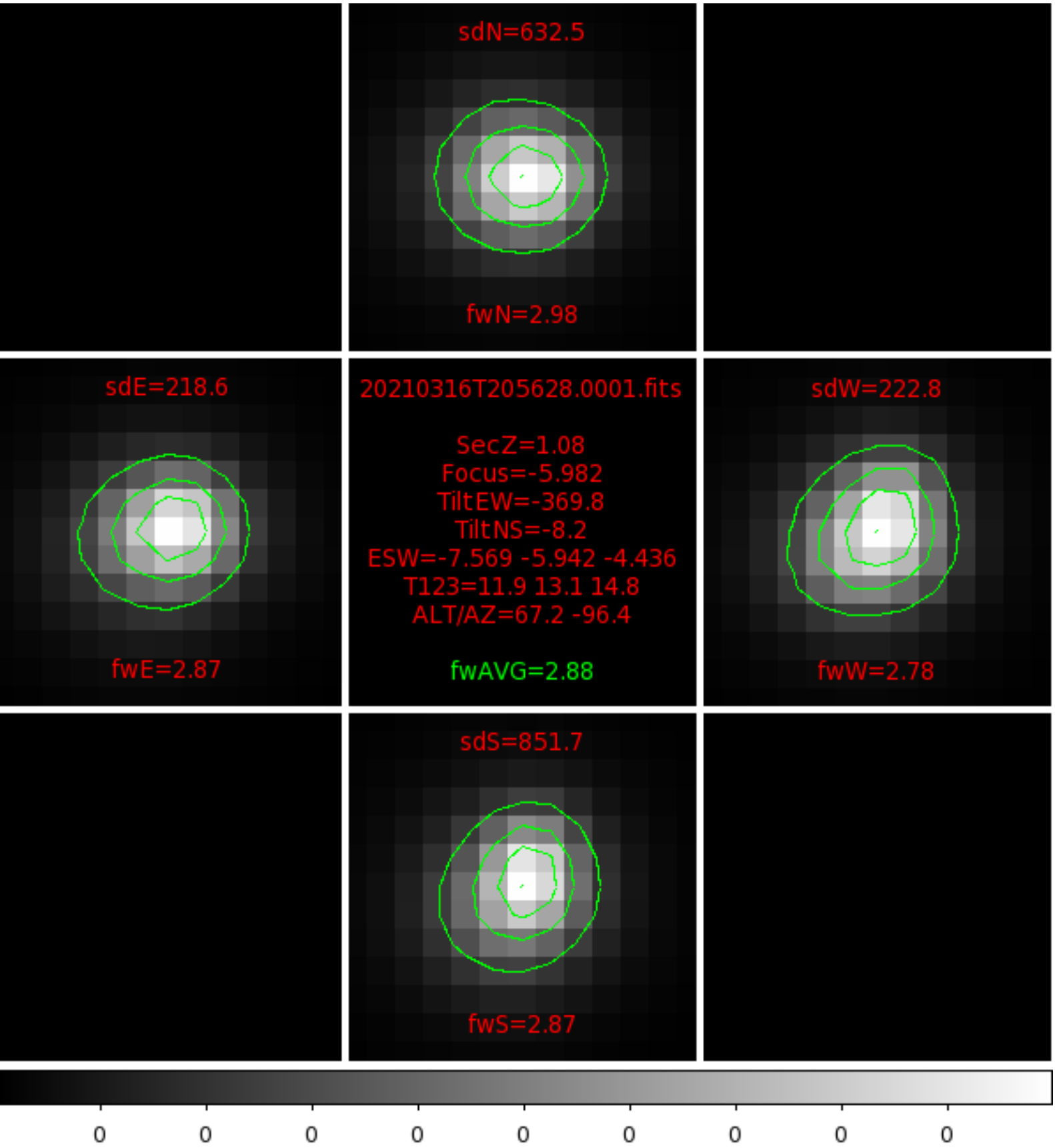
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SecZ=1.08
Focus=-5.982
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.569 -5.942 -4.436
T123=11.9 13.1 14.8
ALT/AZ=67.2 -96.4
fwAVG=2.88
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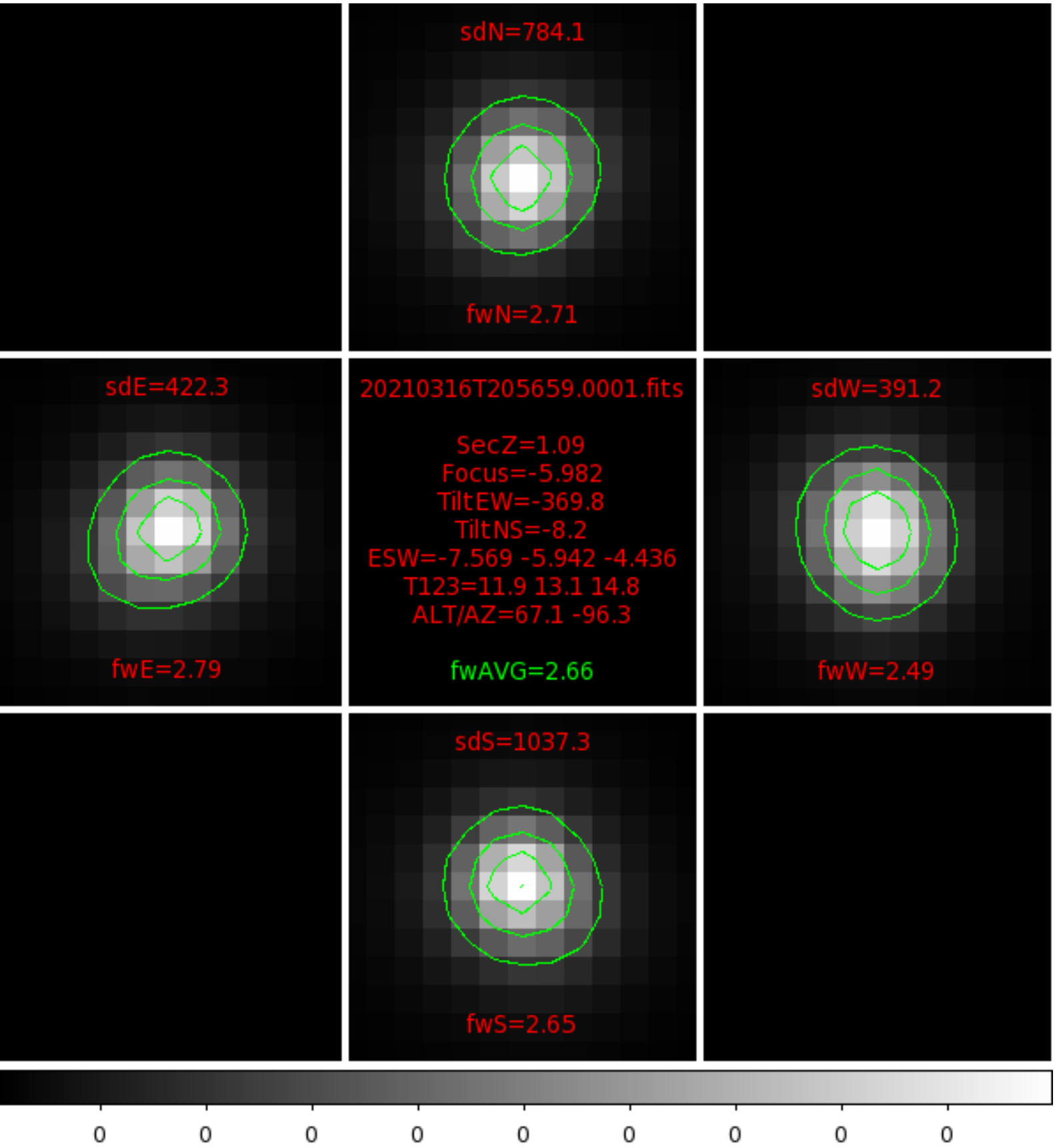
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SecZ=1.09
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TiltNS=-8.2
ESW=-7.569 -5.942 -4.436
T123=11.9 13.1 14.8
ALT/AZ=67.1 -96.3
fwAVG=2.66
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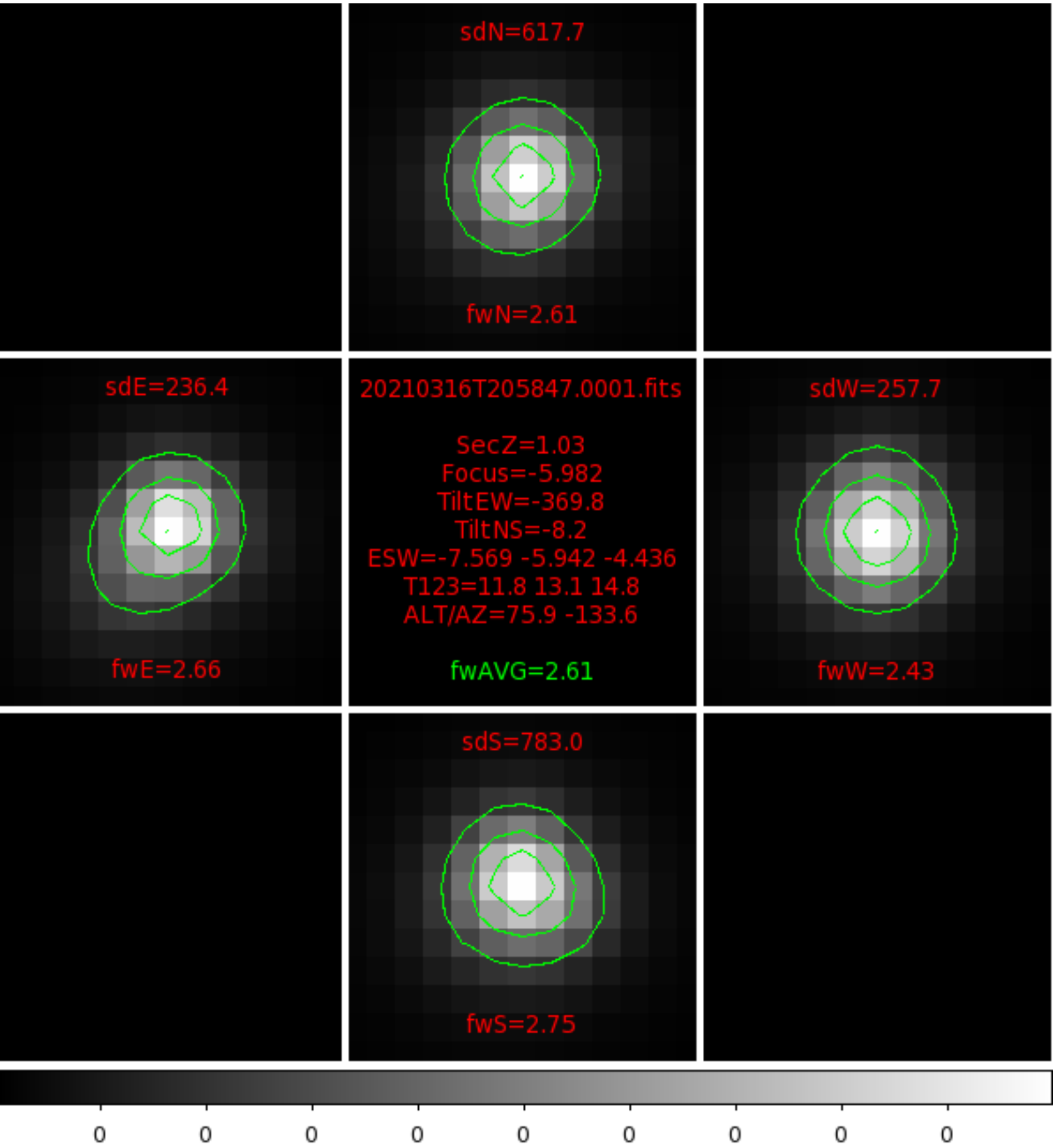
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SecZ=1.03
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.569 -5.942 -4.436
T123=11.8 13.1 14.8
ALT/AZ=75.9 -133.6
fwAVG=2.61
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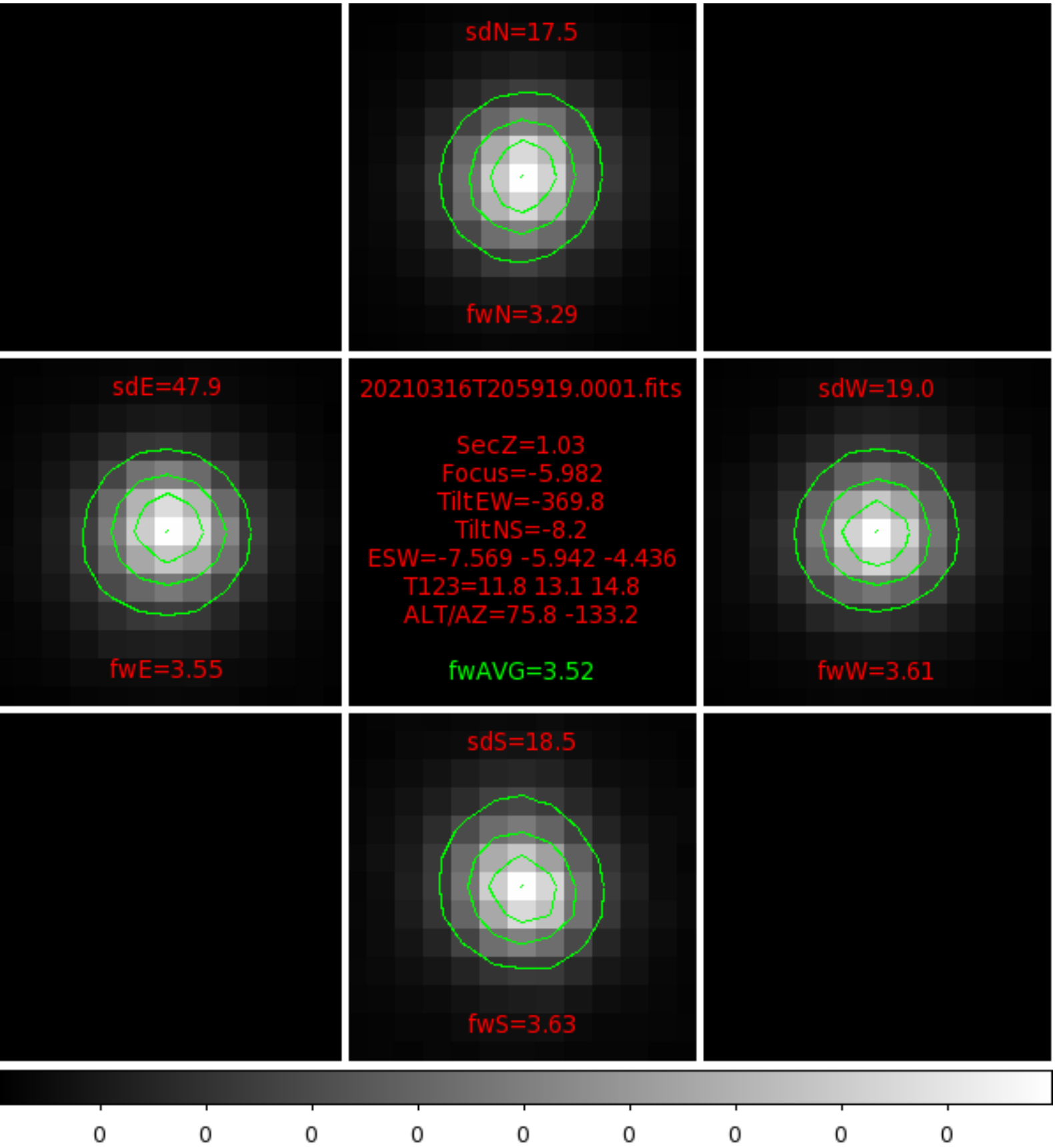
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20210316T205919.0001.fits
SecZ=1.03
Focus=-5.982
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.569 -5.942 -4.436
T123=11.8 13.1 14.8
ALT/AZ=75.8 -133.2
fwAVG=3.52
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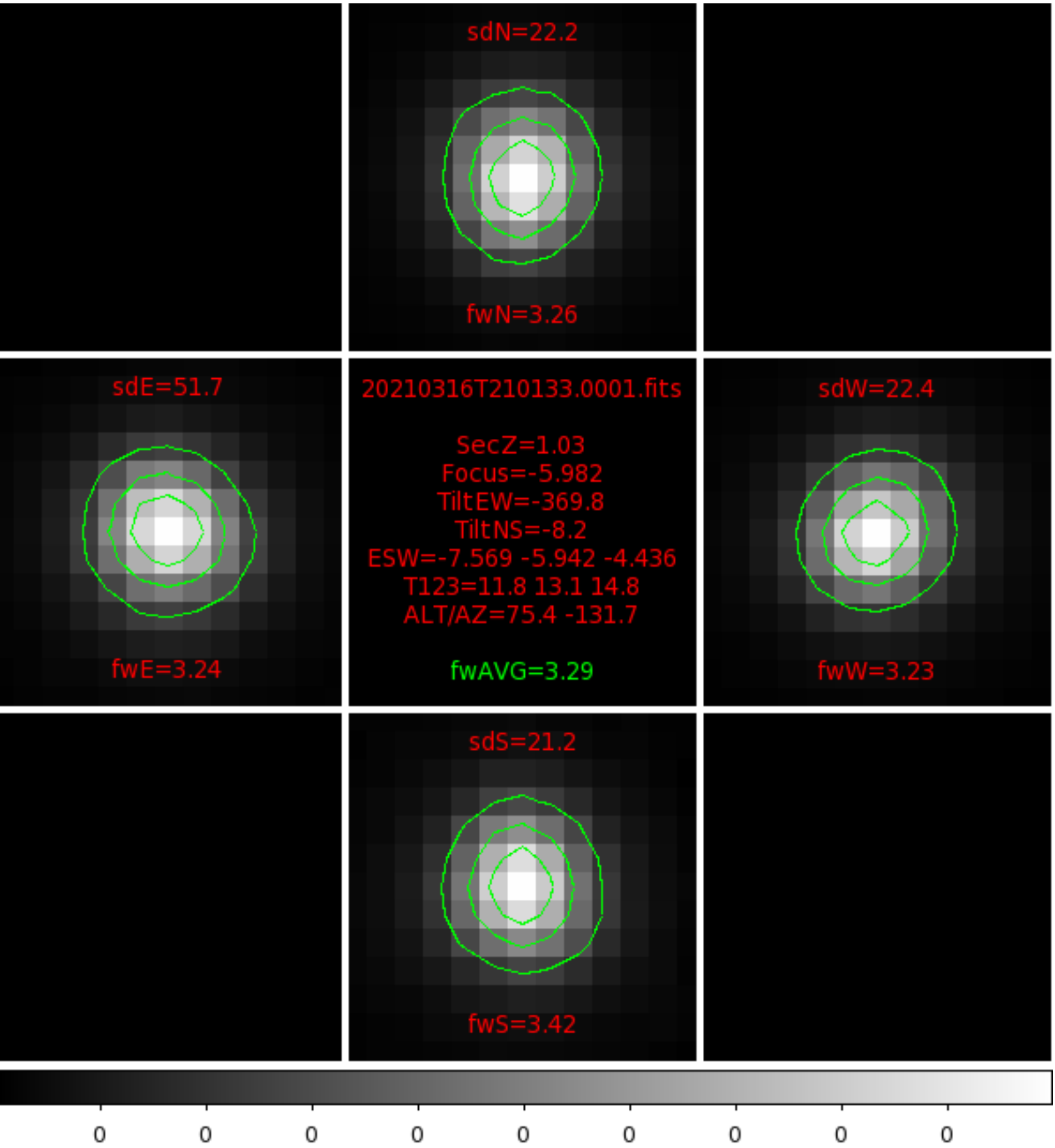
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fwE=3.24
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SecZ=1.03
Focus=-5.982
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TiltNS=-8.2
ESW=-7.569 -5.942 -4.436
T123=11.8 13.1 14.8
ALT/AZ=75.4 -131.7
fwAVG=3.29
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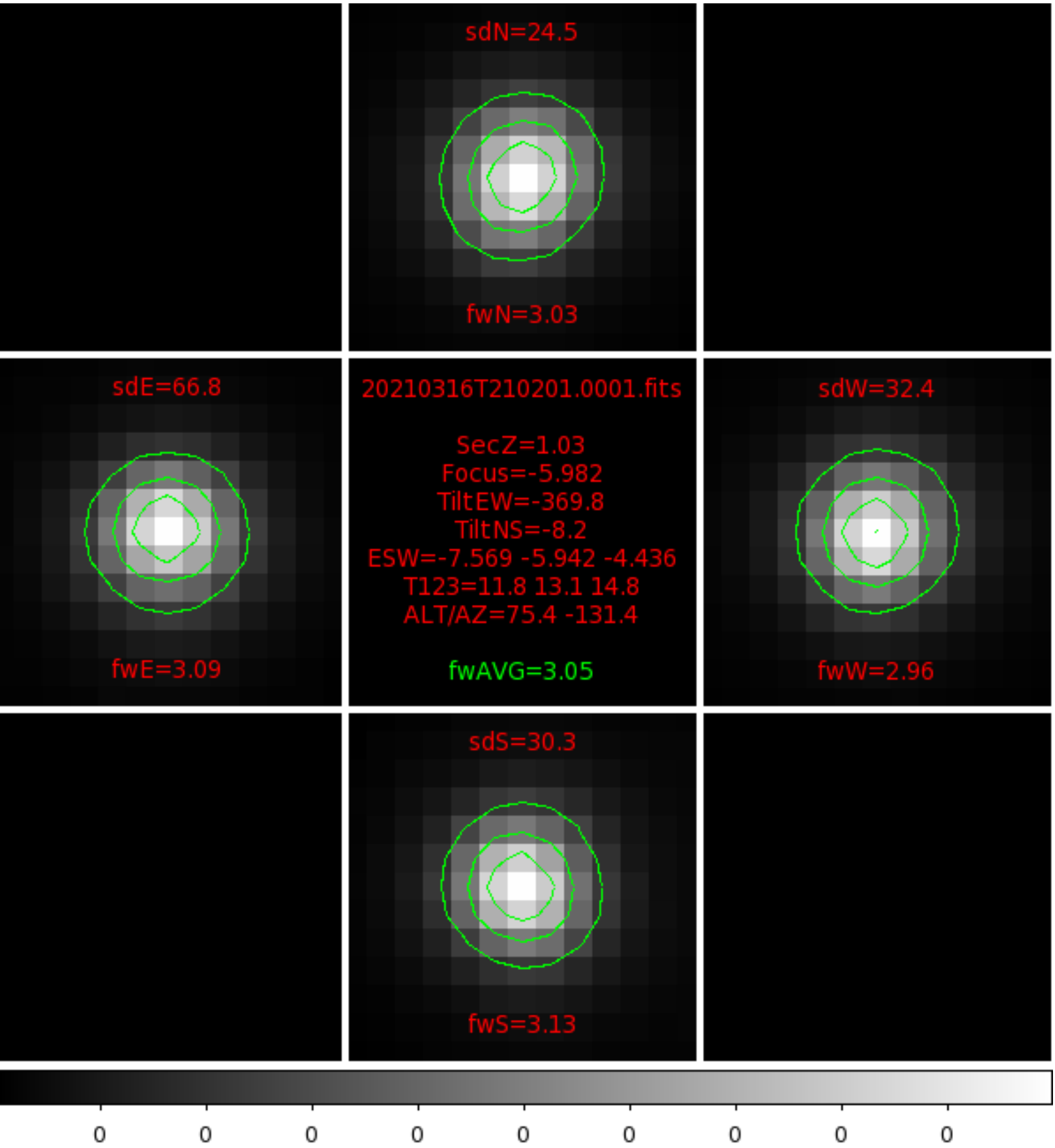
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SecZ=1.03
Focus=-5.982
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.569 -5.942 -4.436
T123=11.8 13.1 14.8
ALT/AZ=75.4 -131.4
fwAVG=3.05
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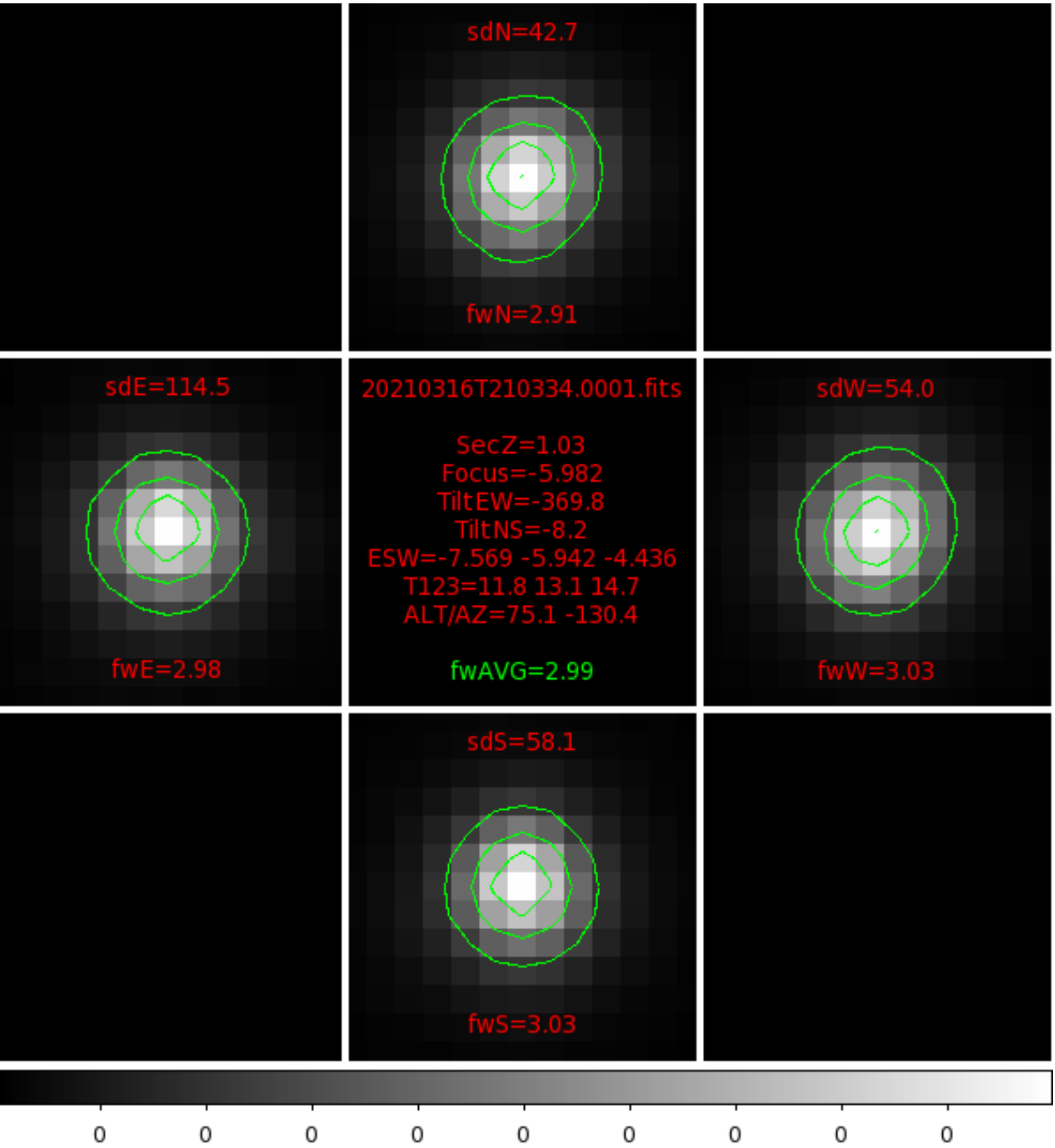
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sdE=114.5
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20210316T210334.0001.fits
SecZ=1.03
Focus=-5.982
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.569 -5.942 -4.436
T123=11.8 13.1 14.7
ALT/AZ=75.1 -130.4
fwAVG=2.99
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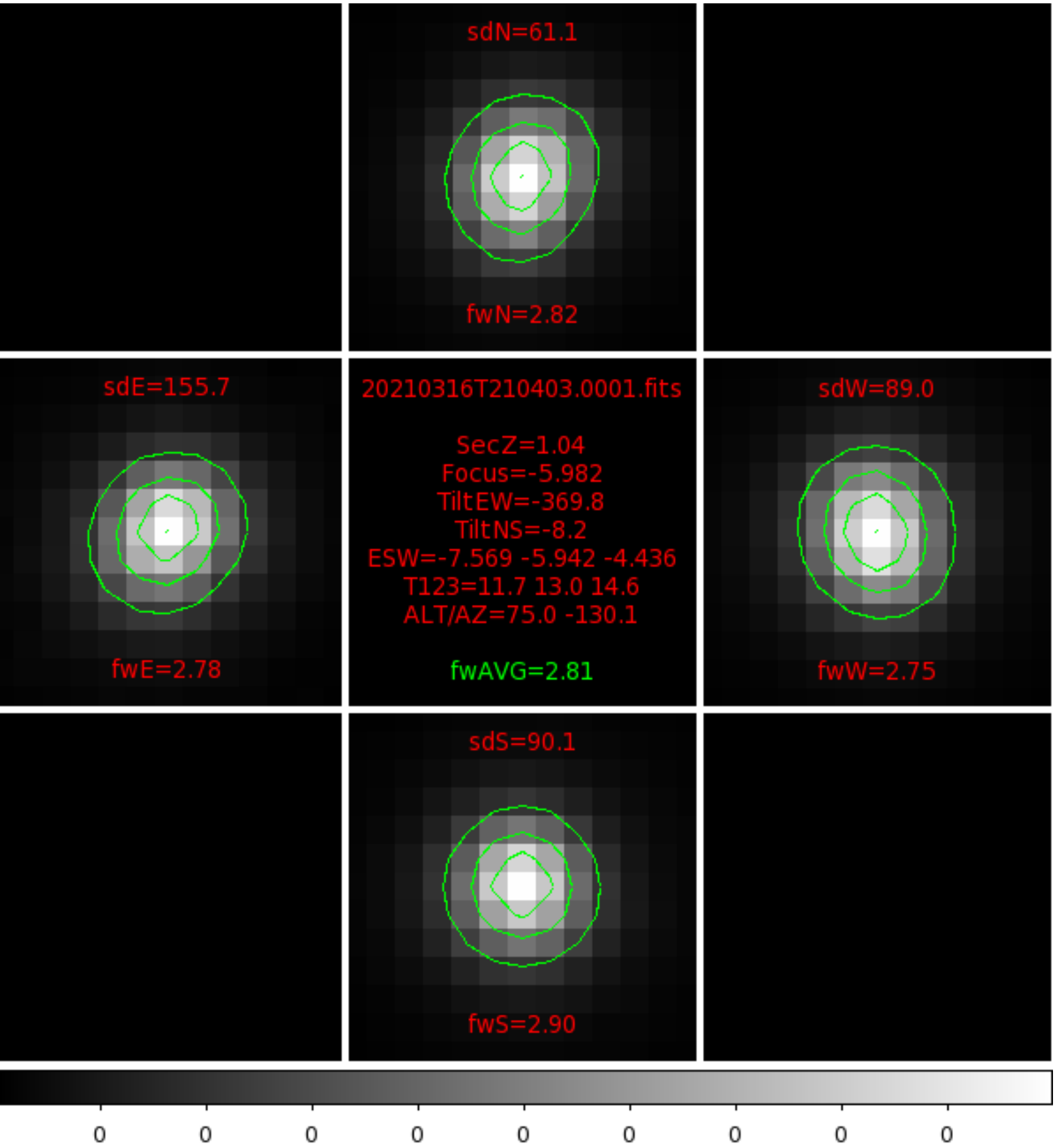
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20210316T210403.0001.fits
SecZ=1.04
Focus=-5.982
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.569 -5.942 -4.436
T123=11.7 13.0 14.6
ALT/AZ=75.0 -130.1
fwAVG=2.81
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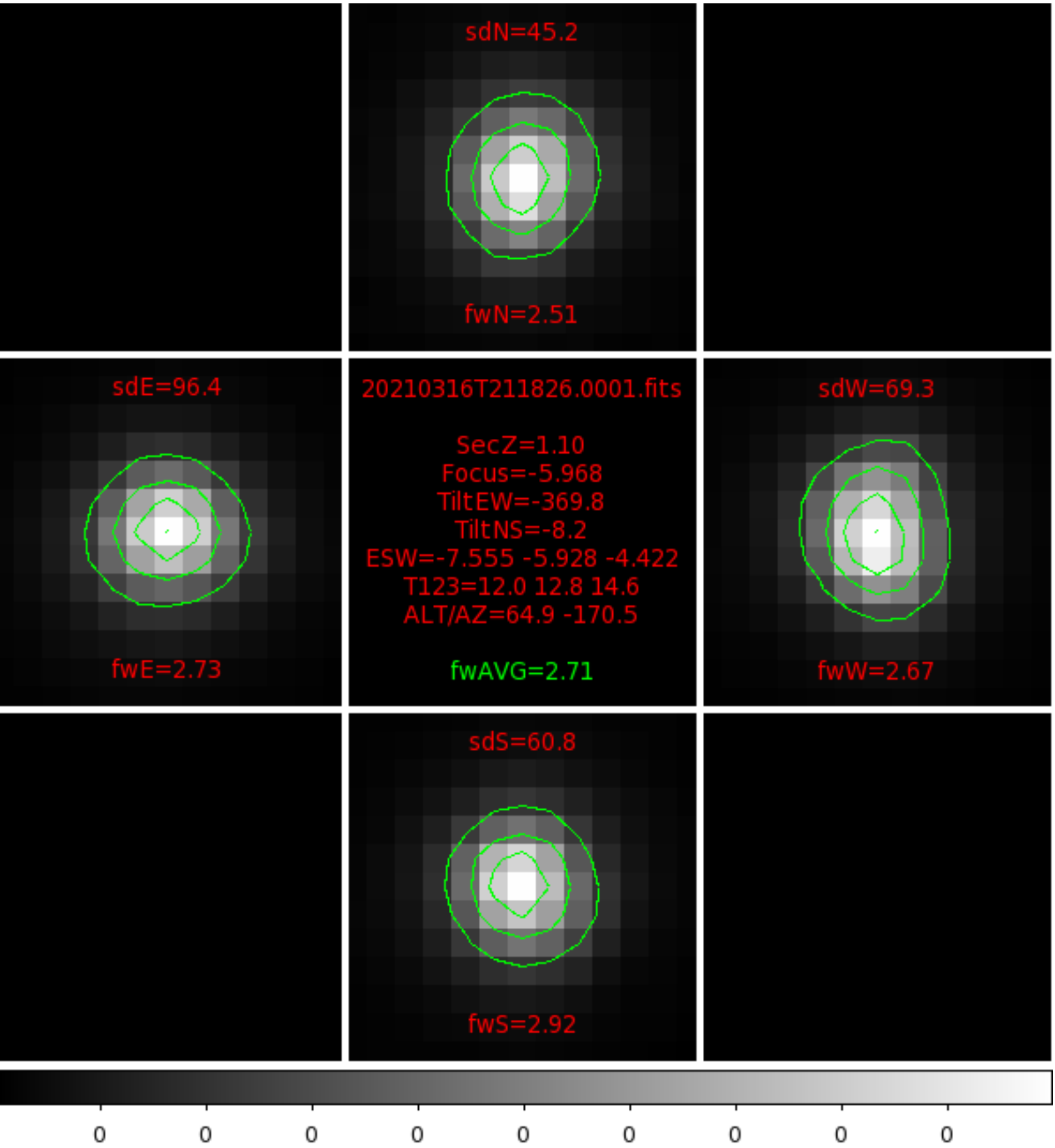
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20210316T211826.0001.fits
SecZ=1.10
Focus=-5.968
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.555 -5.928 -4.422
T123=12.0 12.8 14.6
ALT/AZ=64.9 -170.5
fwAVG=2.71
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sdS=60.8
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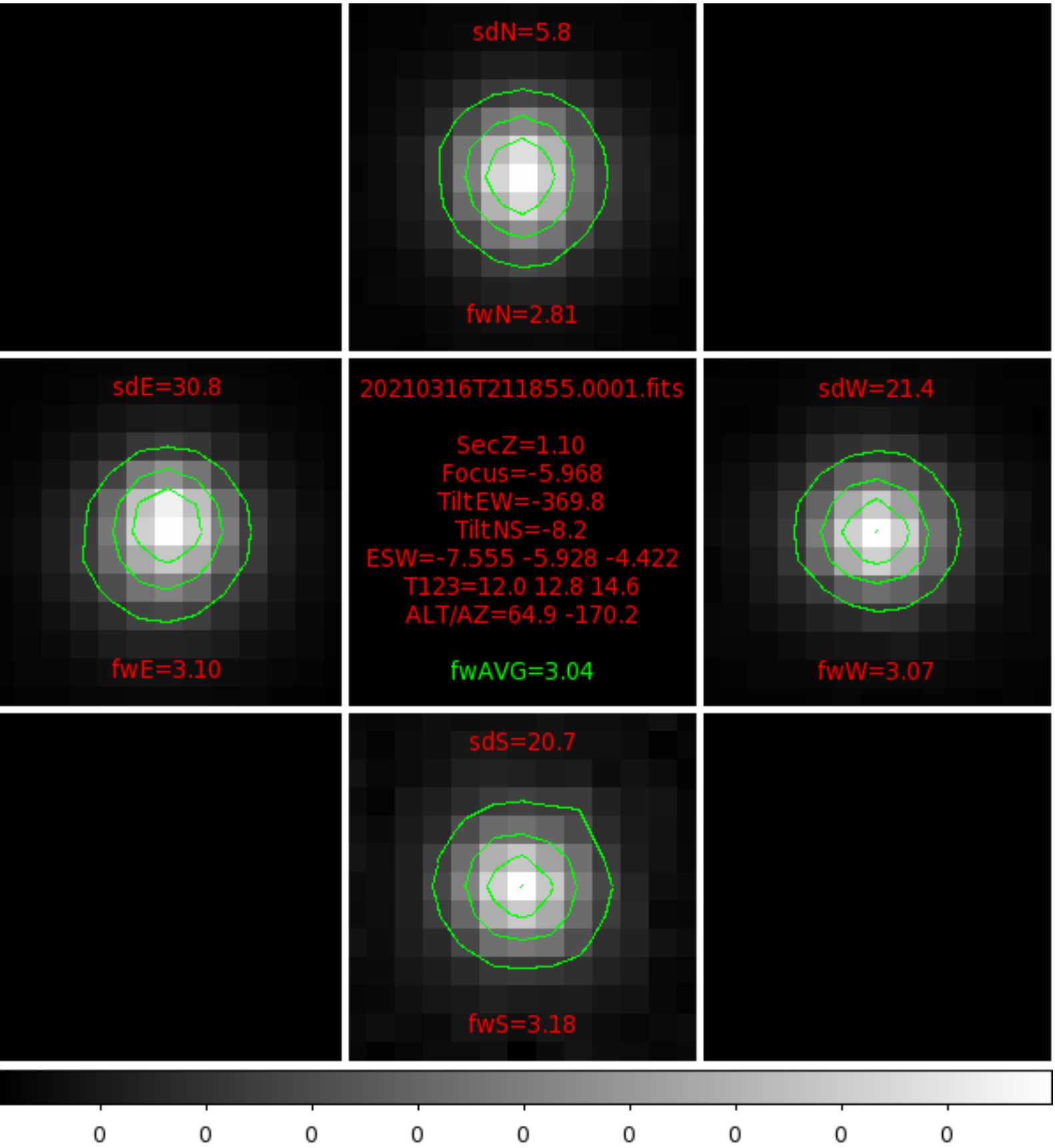
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fwE=3.10
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SecZ=1.10
Focus=-5.968
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.555 -5.928 -4.422
T123=12.0 12.8 14.6
ALT/AZ=64.9 -170.2
fwAVG=3.04
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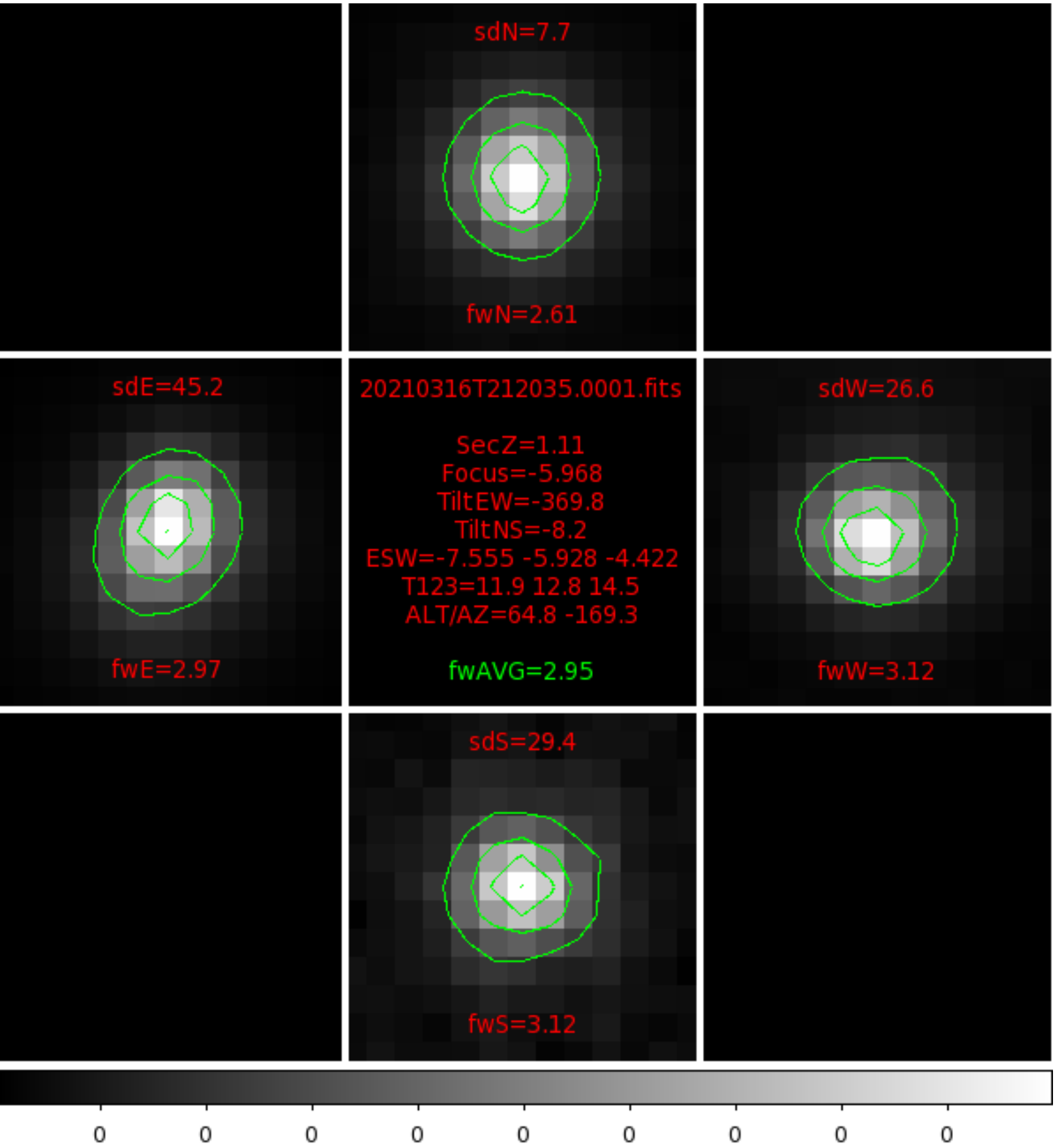
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20210316T212035.0001.fits
SecZ=1.11
Focus=-5.968
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.555 -5.928 -4.422
T123=11.9 12.8 14.5
ALT/AZ=64.8 -169.3
fwAVG=2.95
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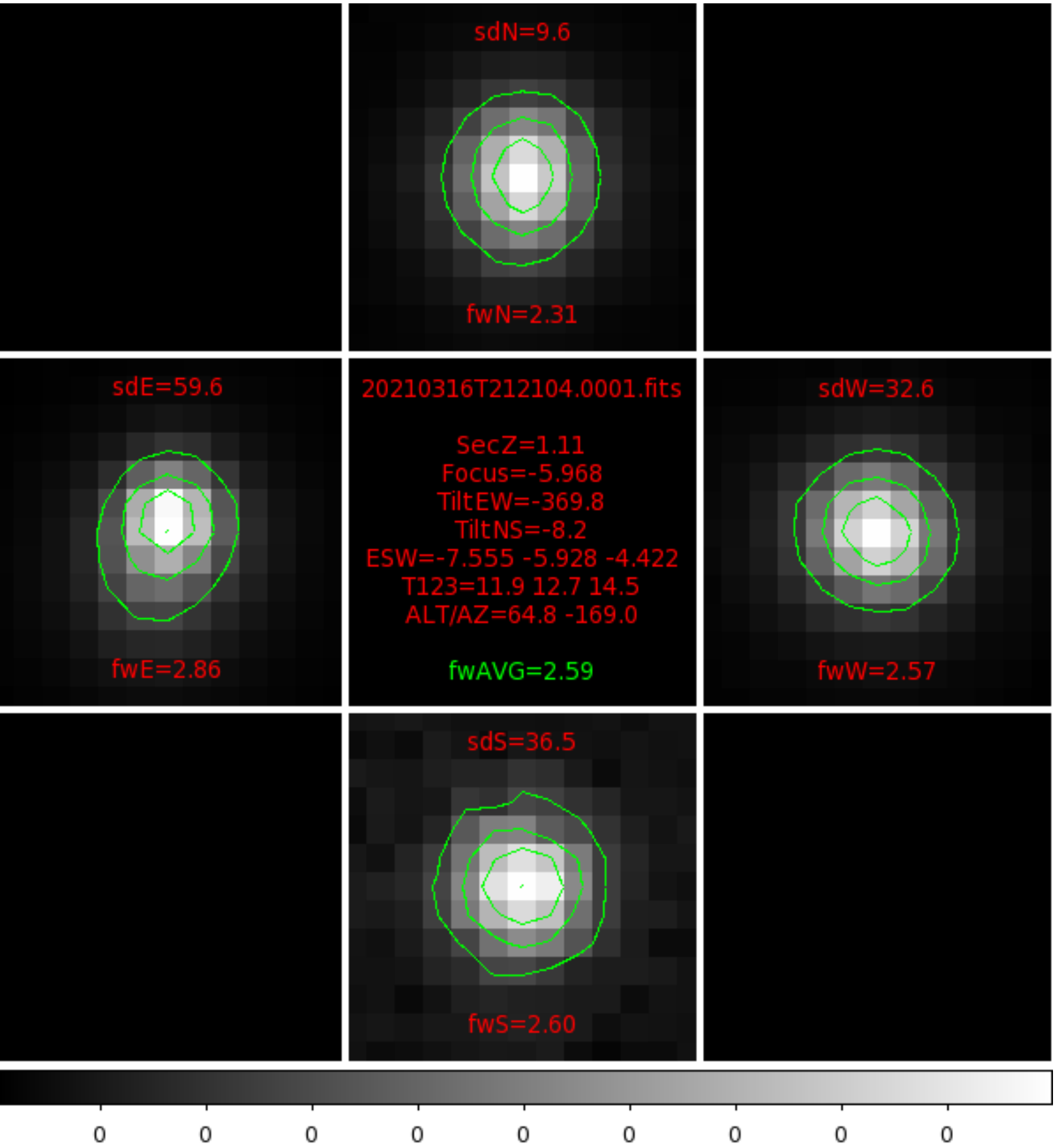
sdN=9.6
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20210316T212104.0001.fits
SecZ=1.11
Focus=-5.968
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.555 -5.928 -4.422
T123=11.9 12.7 14.5
ALT/AZ=64.8 -169.0
fwAVG=2.59
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fwS=2.60
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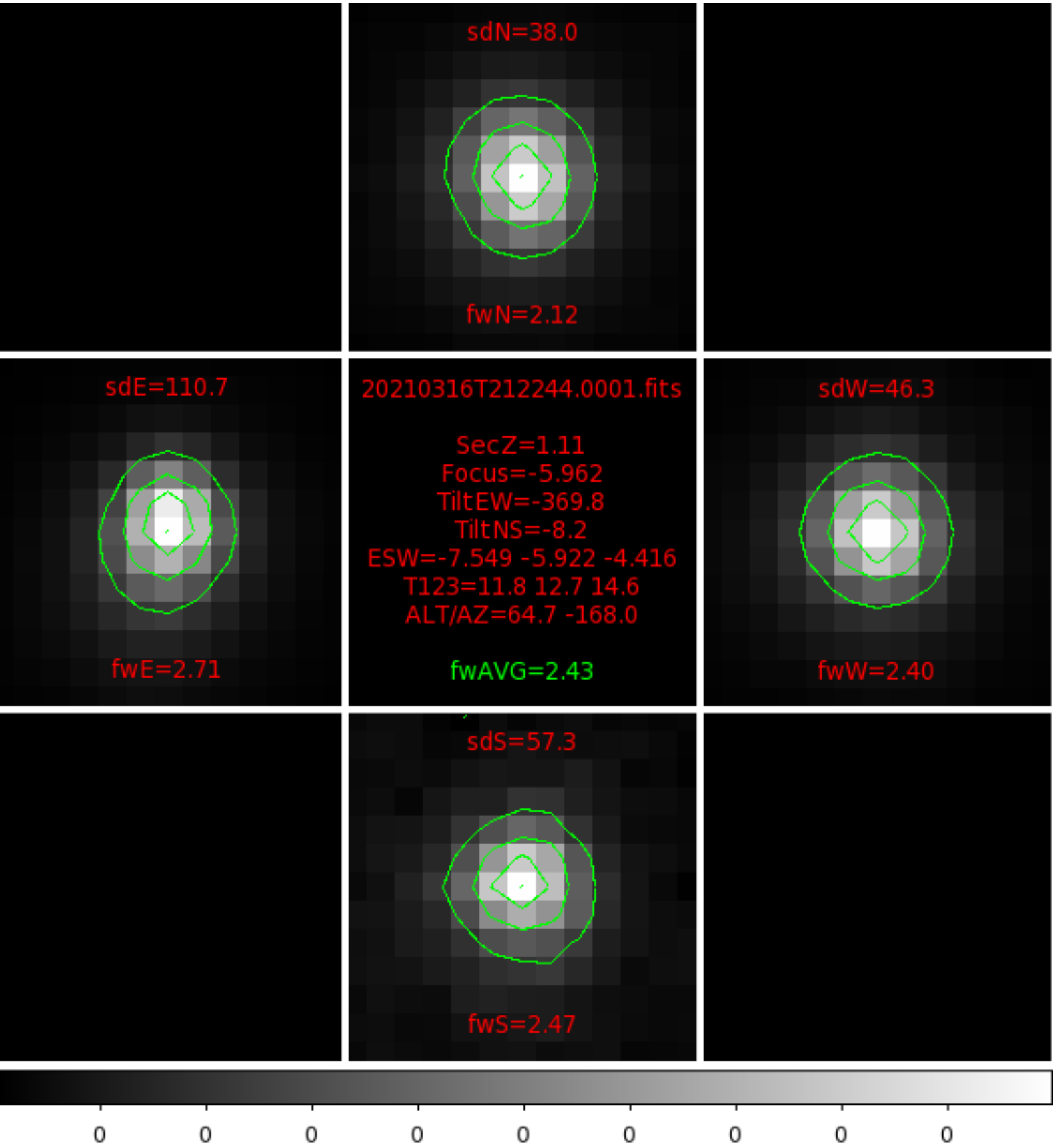
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20210316T212244.0001.fits
SecZ=1.11
Focus=-5.962
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.549 -5.922 -4.416
T123=11.8 12.7 14.6
ALT/AZ=64.7 -168.0
fwAVG=2.43
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fwW=2.40
sdS=57.3
fwS=2.47
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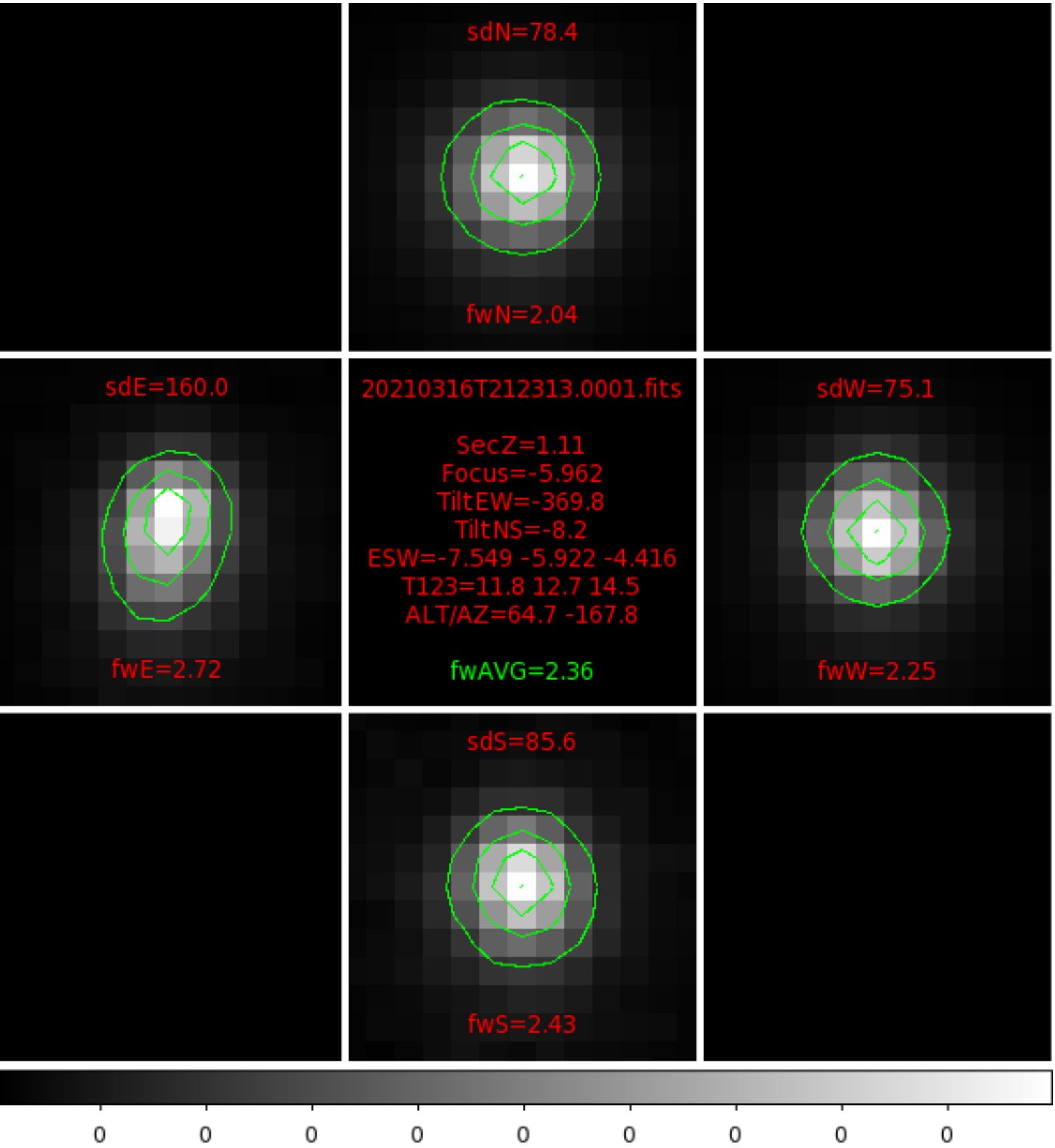
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20210316T212313.0001.fits
SecZ=1.11
Focus=-5.962
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.549 -5.922 -4.416
T123=11.8 12.7 14.5
ALT/AZ=64.7 -167.8
fwAVG=2.36
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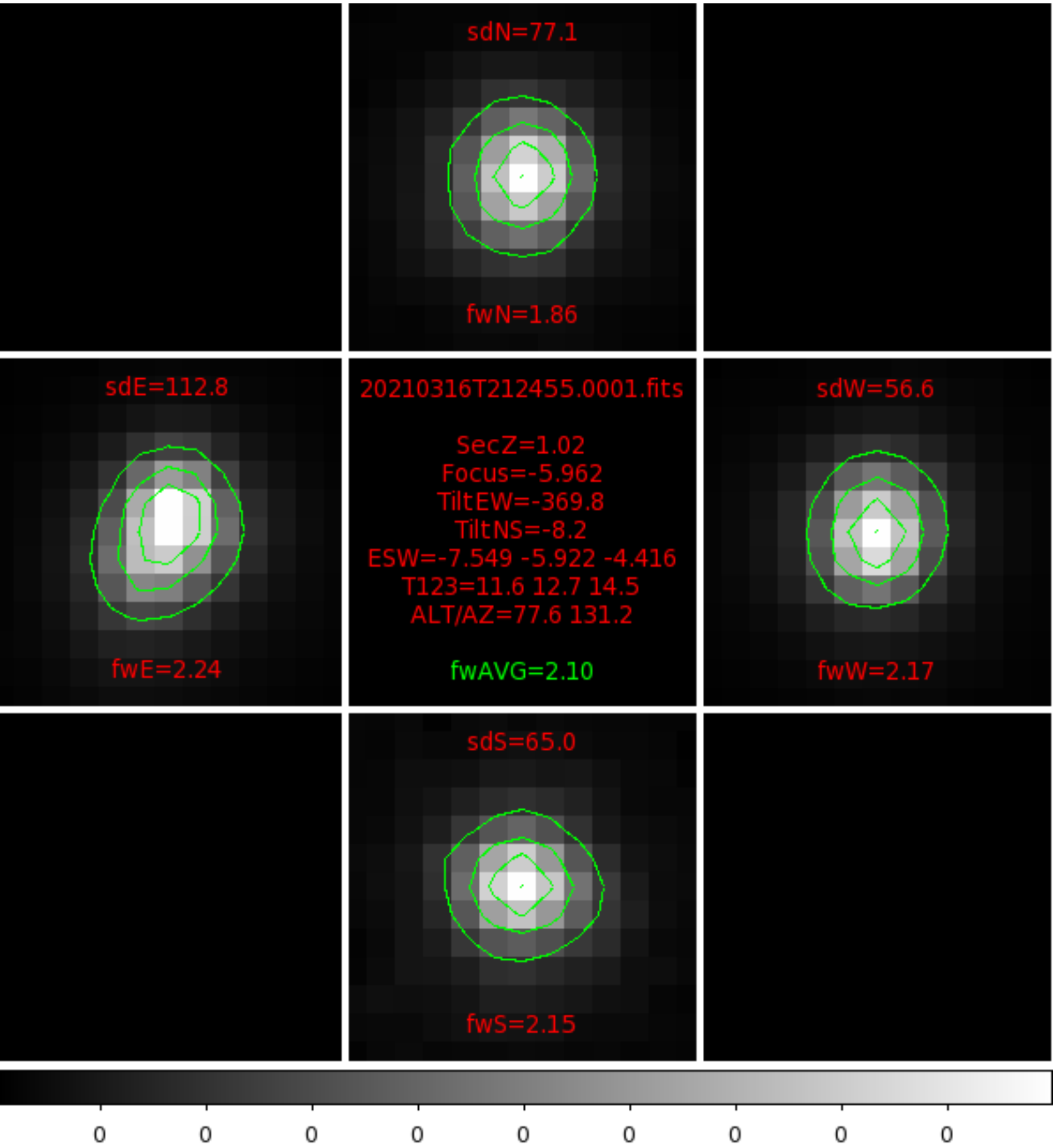
sdN=77.1
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20210316T212455.0001.fits
SecZ=1.02
Focus=-5.962
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.549 -5.922 -4.416
T123=11.6 12.7 14.5
ALT/AZ=77.6 131.2
fwAVG=2.10
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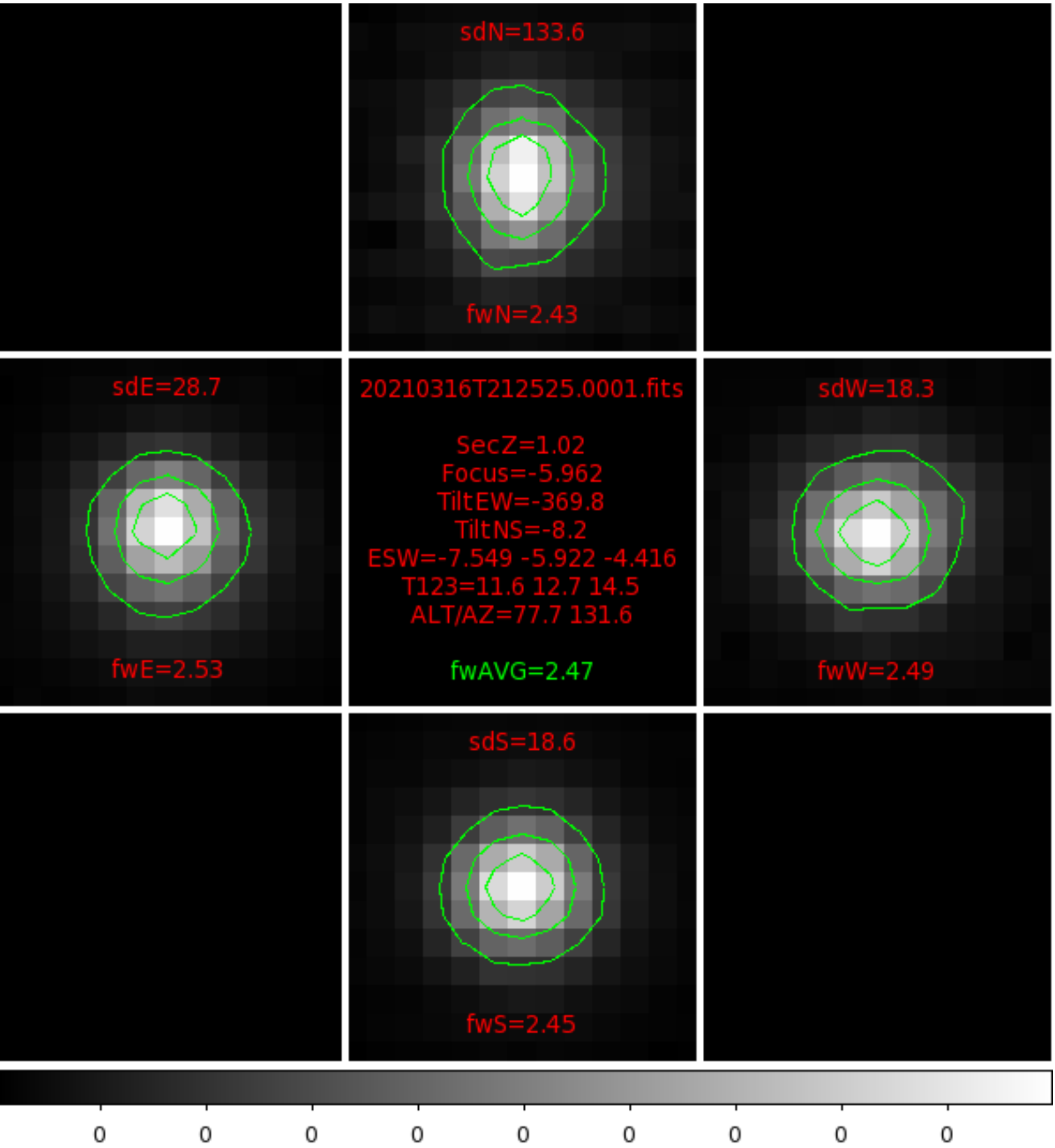
sdN=133.6
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SecZ=1.02
Focus=-5.962
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.549 -5.922 -4.416
T123=11.6 12.7 14.5
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fwAVG=2.47
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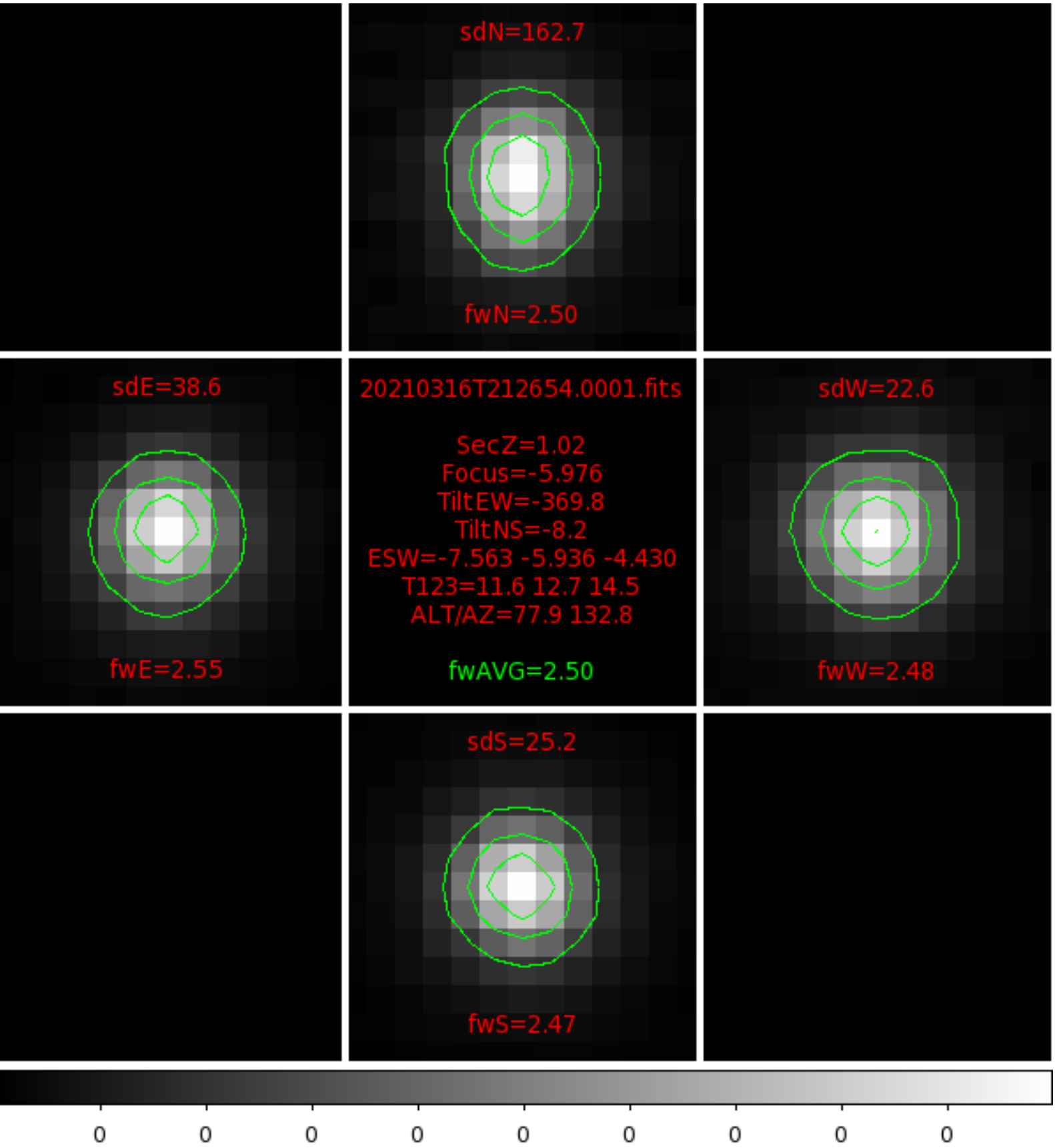
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Focus=-5.976
TiltEW=-369.8
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ESW=-7.563 -5.936 -4.430
T123=11.6 12.7 14.5
ALT/AZ=77.9 132.8
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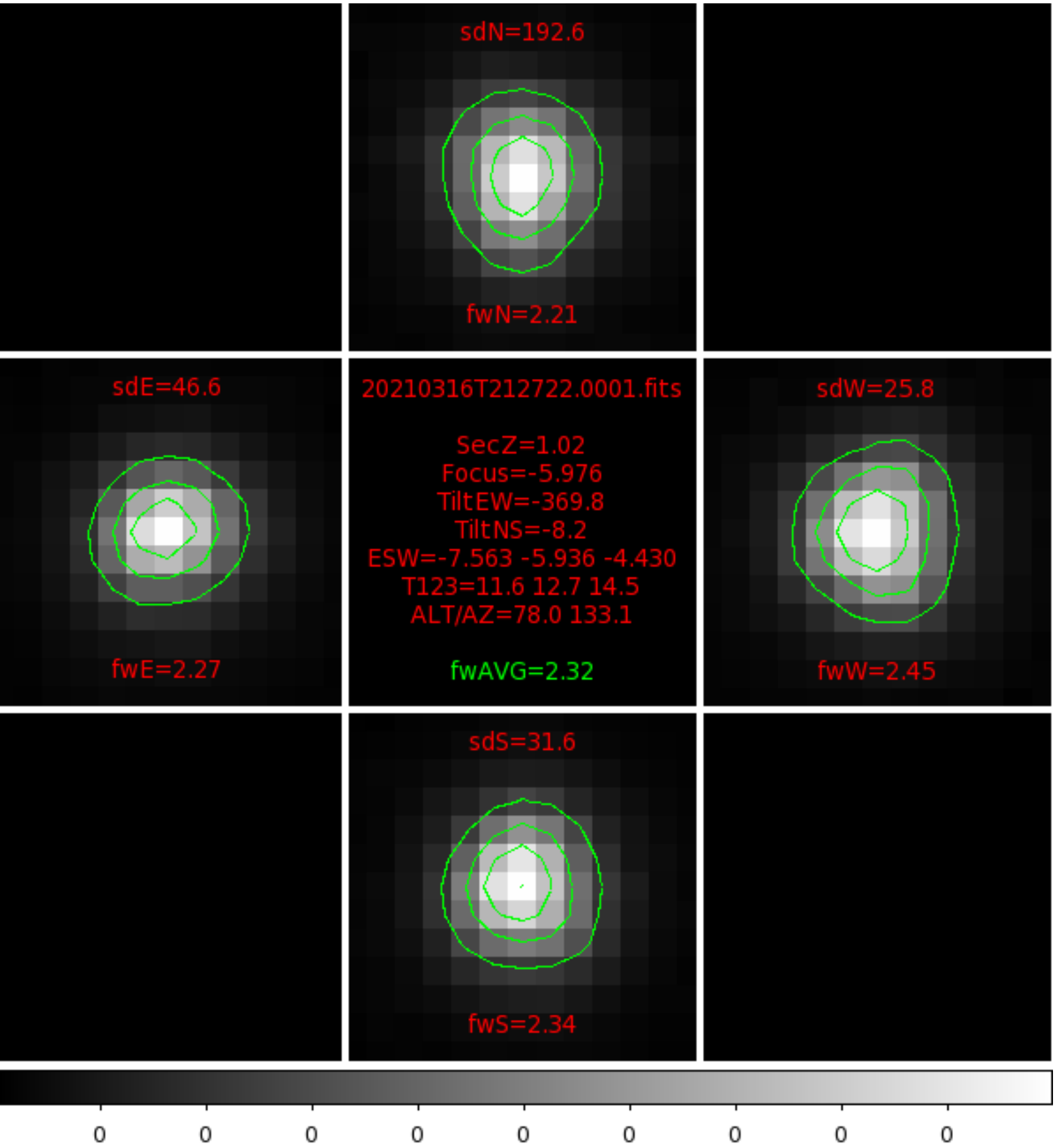
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SecZ=1.02
Focus=-5.976
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.563 -5.936 -4.430
T123=11.6 12.7 14.5
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fwAVG=2.32
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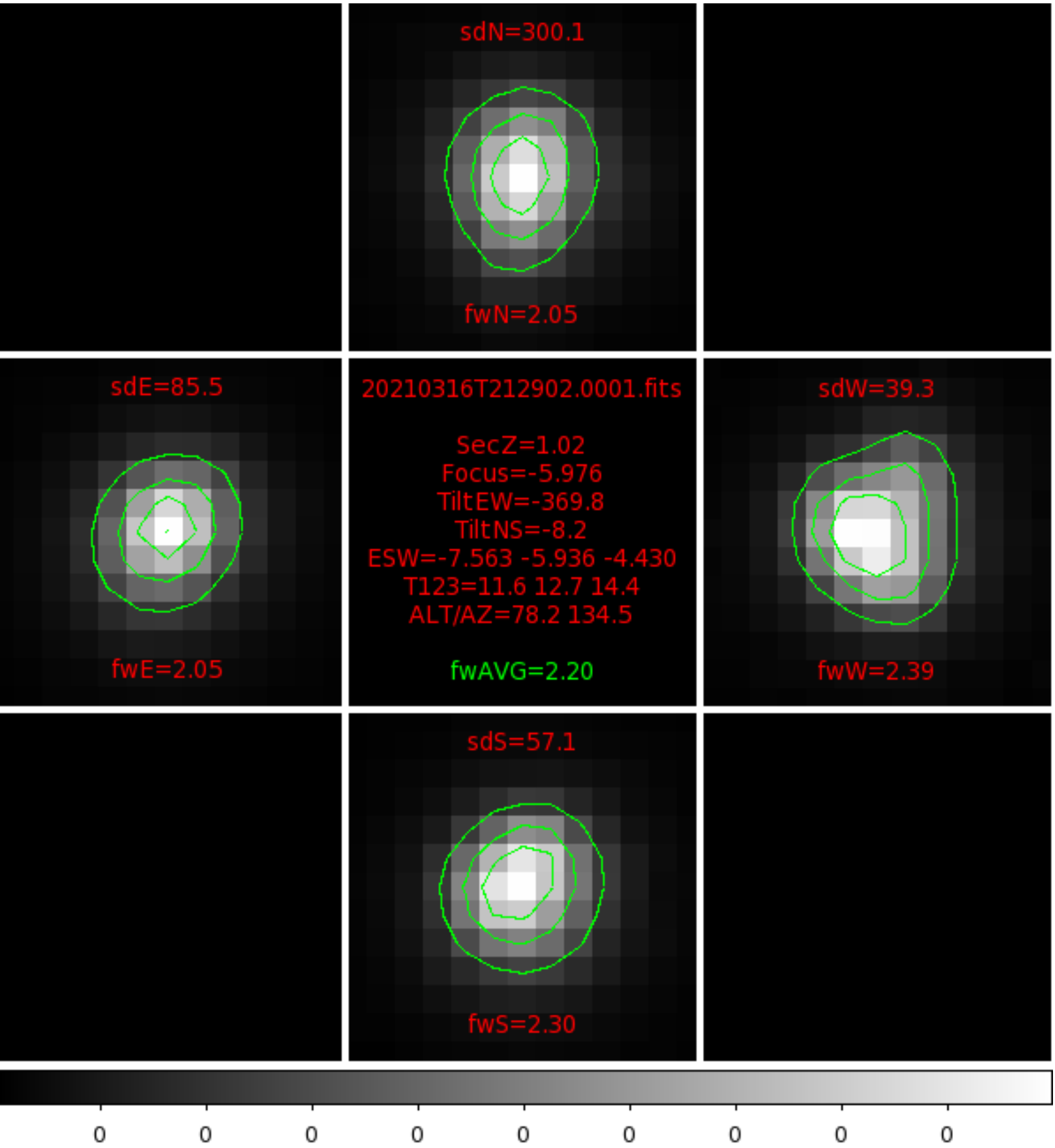
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SecZ=1.02
Focus=-5.976
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.563 -5.936 -4.430
T123=11.6 12.7 14.4
ALT/AZ=78.2 134.5
fwAVG=2.20
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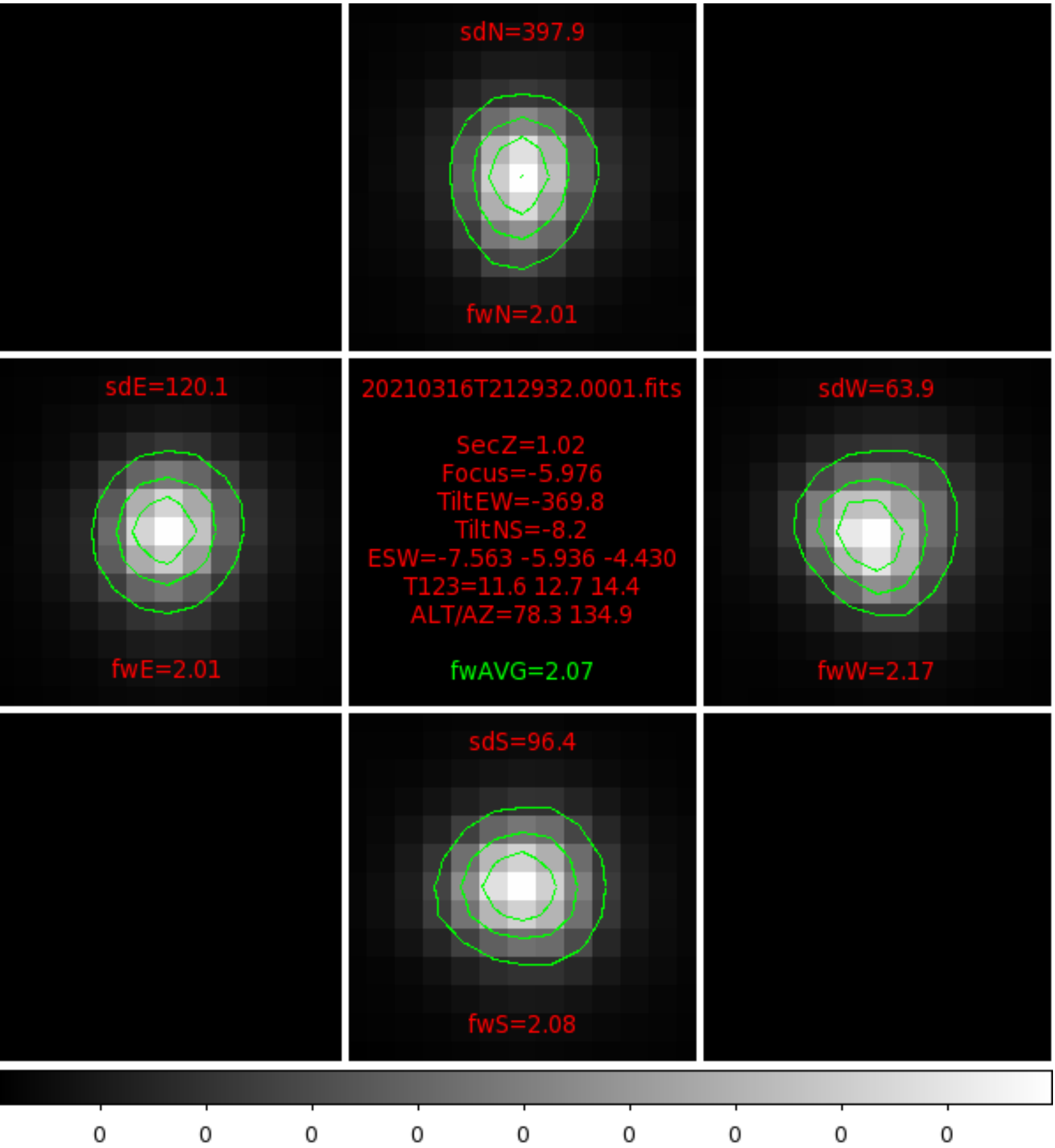
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SecZ=1.02
Focus=-5.976
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.563 -5.936 -4.430
T123=11.6 12.7 14.4
ALT/AZ=78.3 134.9
fwAVG=2.07
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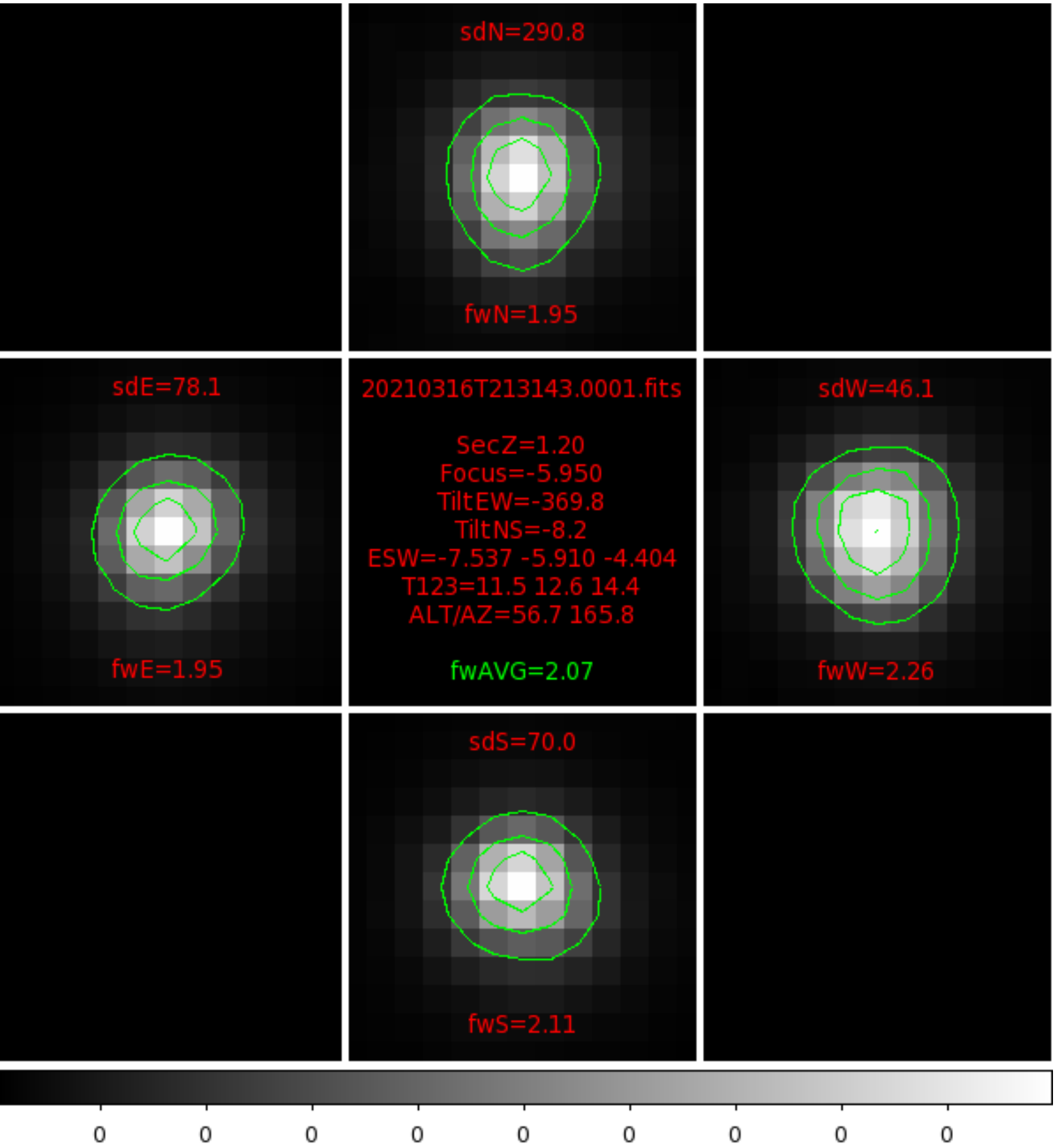
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Focus=-5.950
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.537 -5.910 -4.404
T123=11.5 12.6 14.4
ALT/AZ=56.7 165.8
fwAVG=2.07
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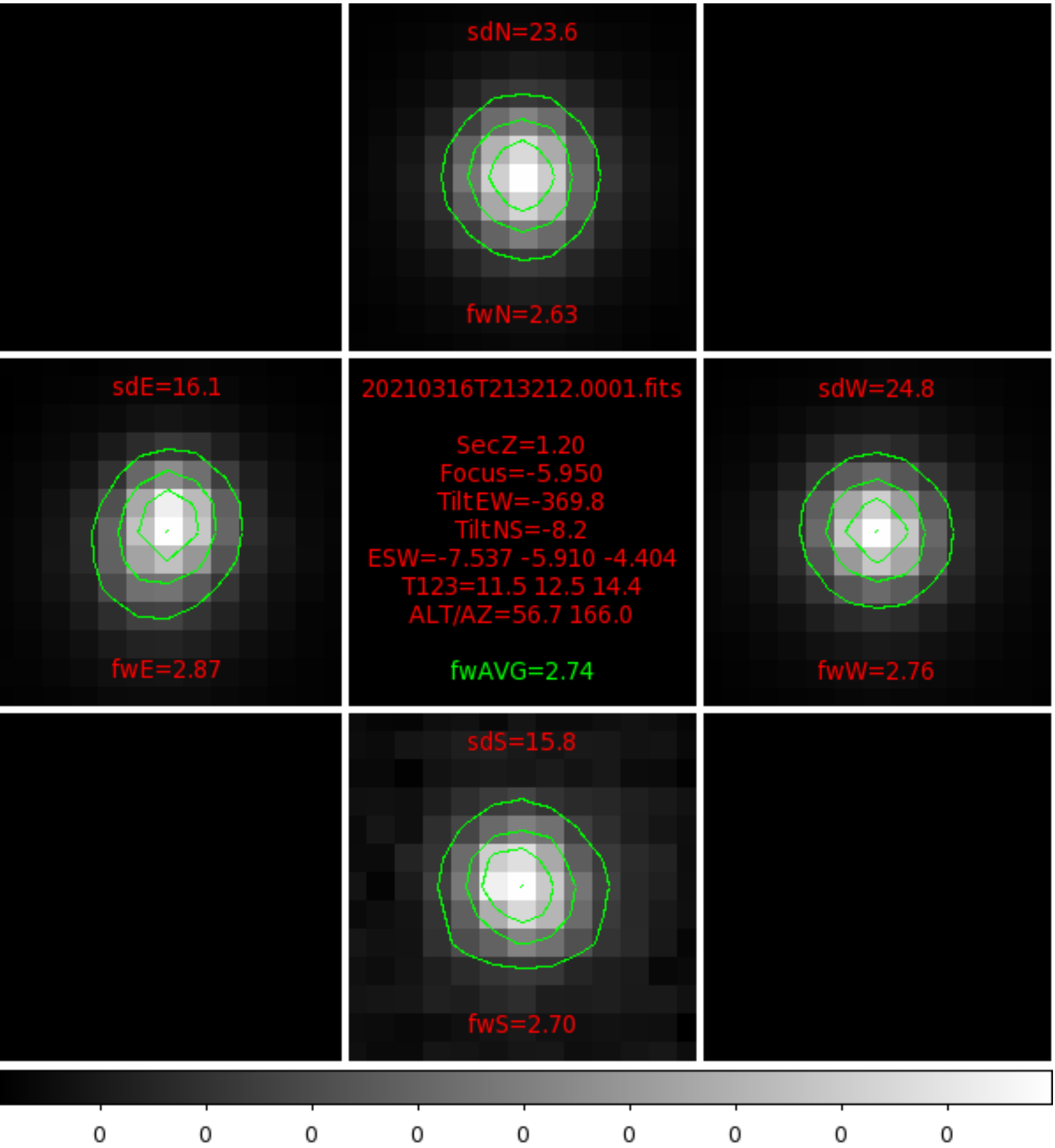
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Focus=-5.950
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.537 -5.910 -4.404
T123=11.5 12.5 14.4
ALT/AZ=56.7 166.0
fwAVG=2.74
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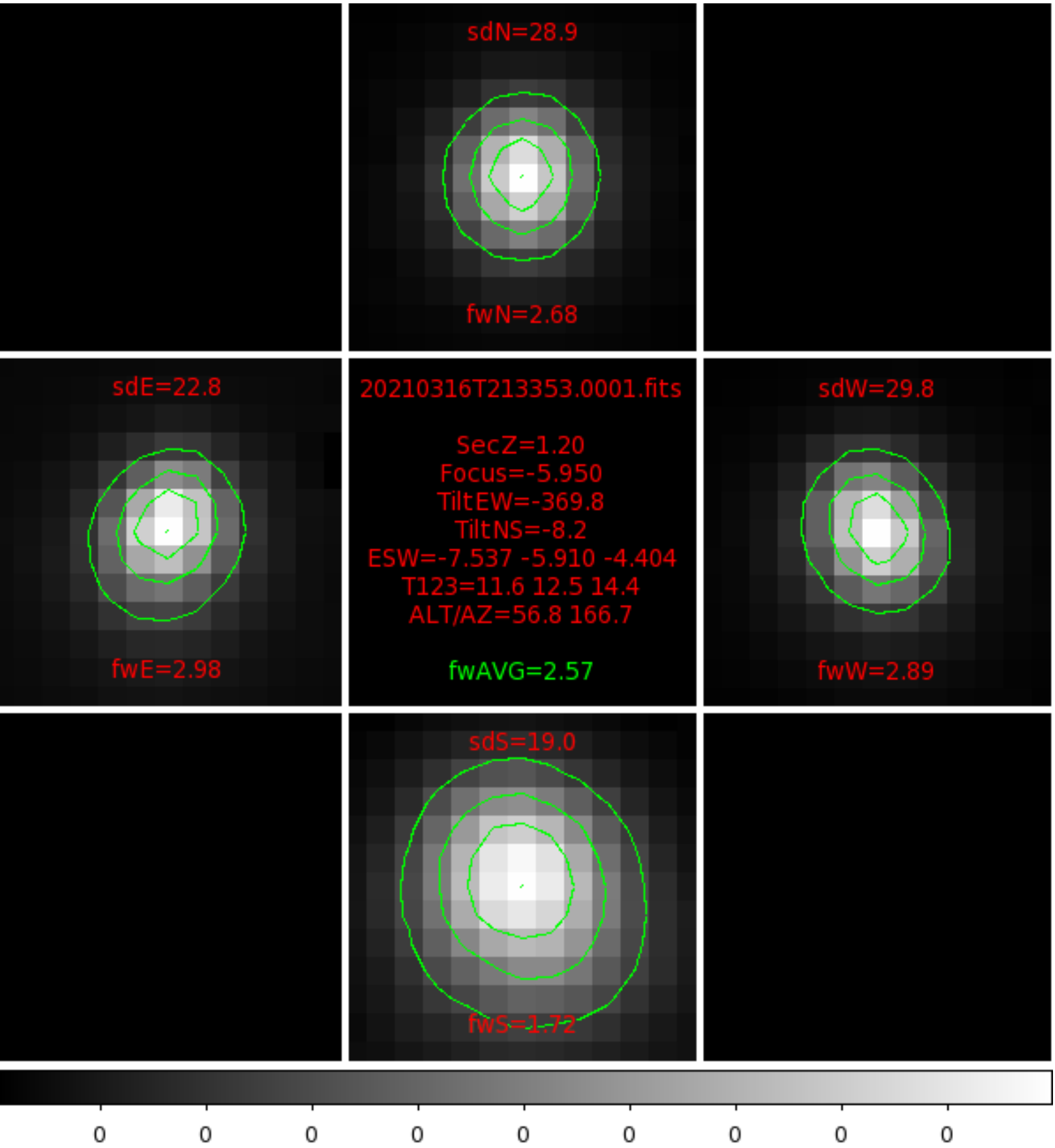
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.537 -5.910 -4.404
T123=11.6 12.5 14.4
ALT/AZ=56.8 166.7
fwAVG=2.57
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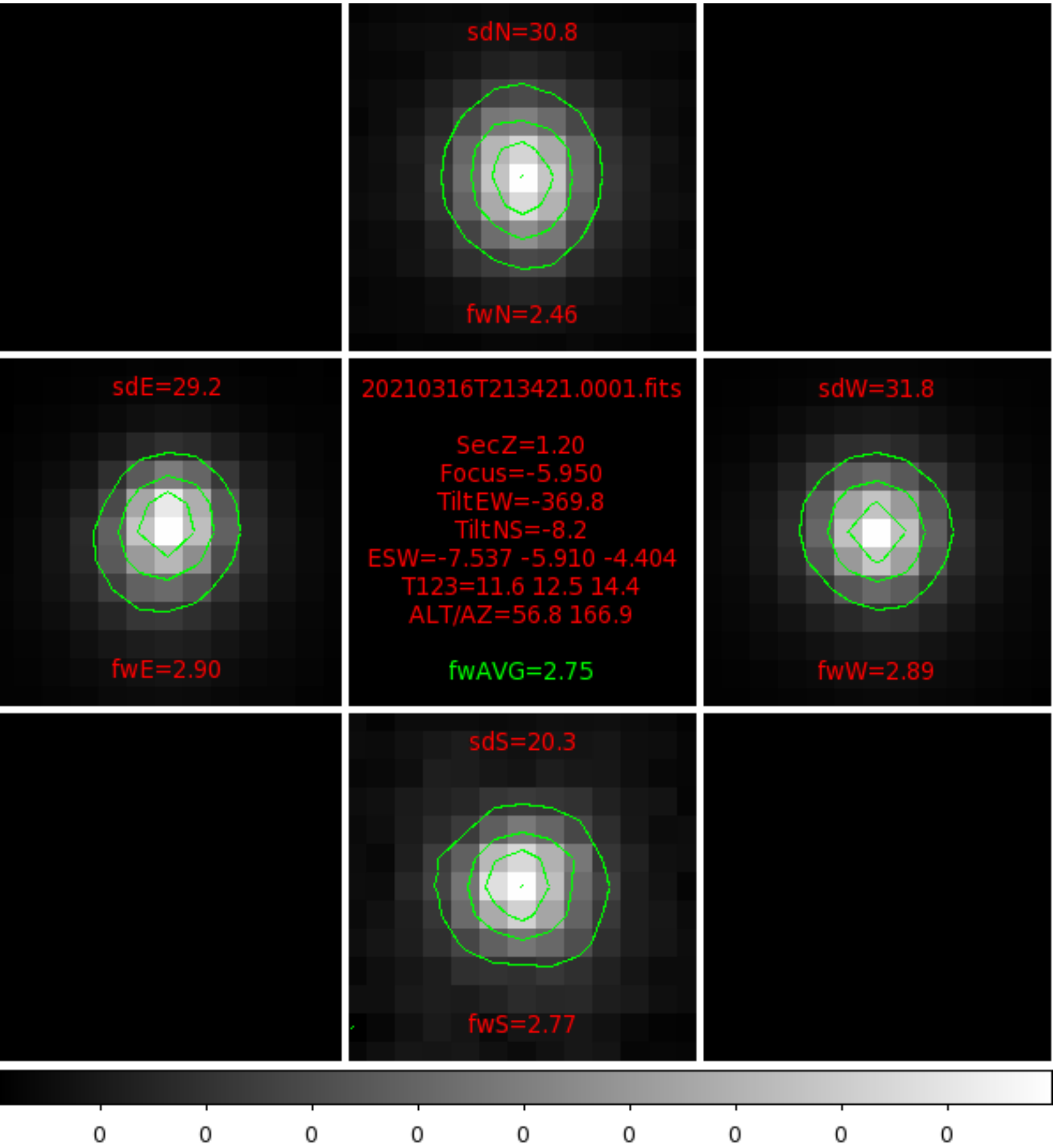
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SecZ=1.20
Focus=-5.950
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.537 -5.910 -4.404
T123=11.6 12.5 14.4
ALT/AZ=56.8 166.9
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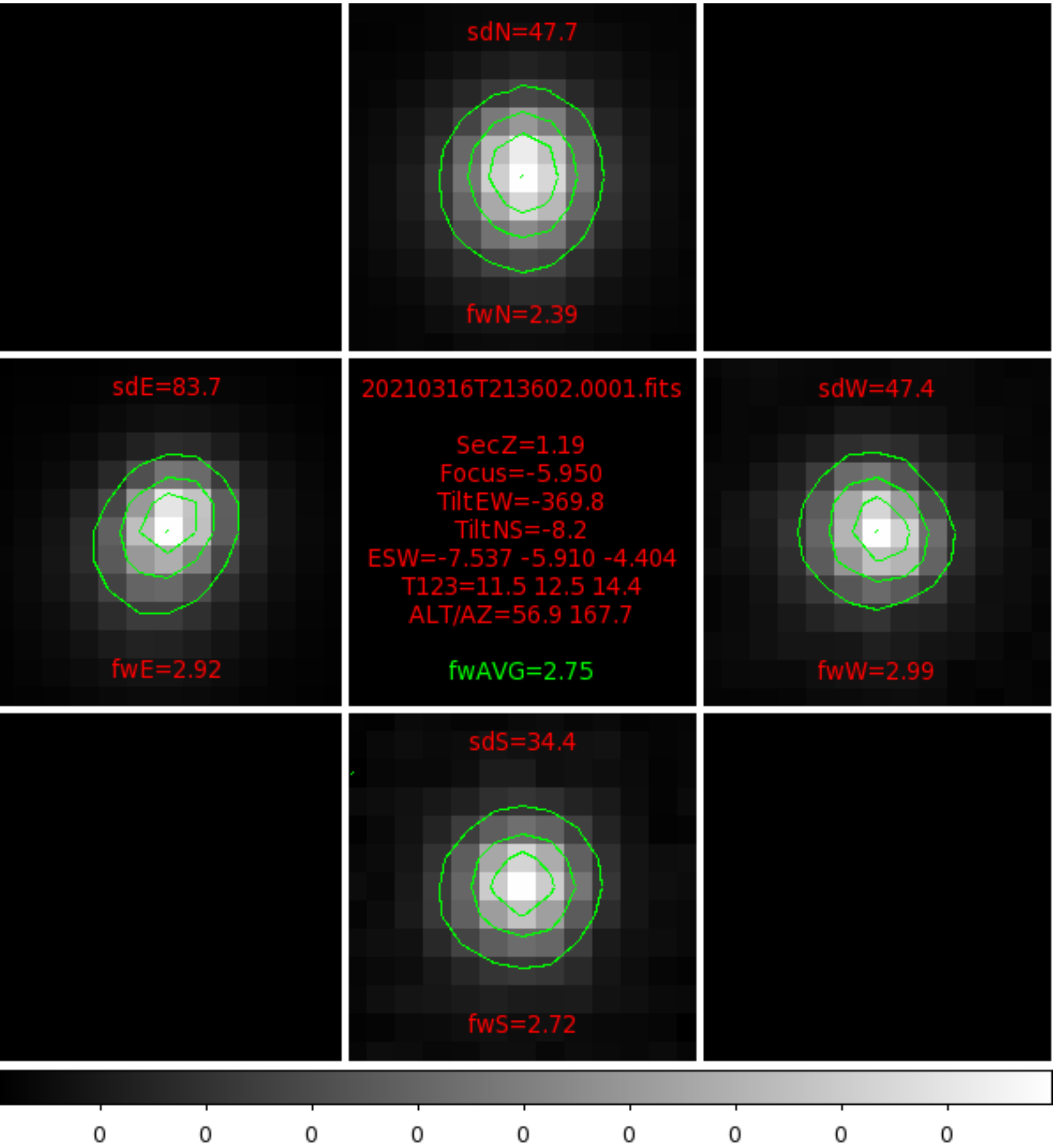
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SecZ=1.19
Focus=-5.950
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.537 -5.910 -4.404
T123=11.5 12.5 14.4
ALT/AZ=56.9 167.7
fwAVG=2.75
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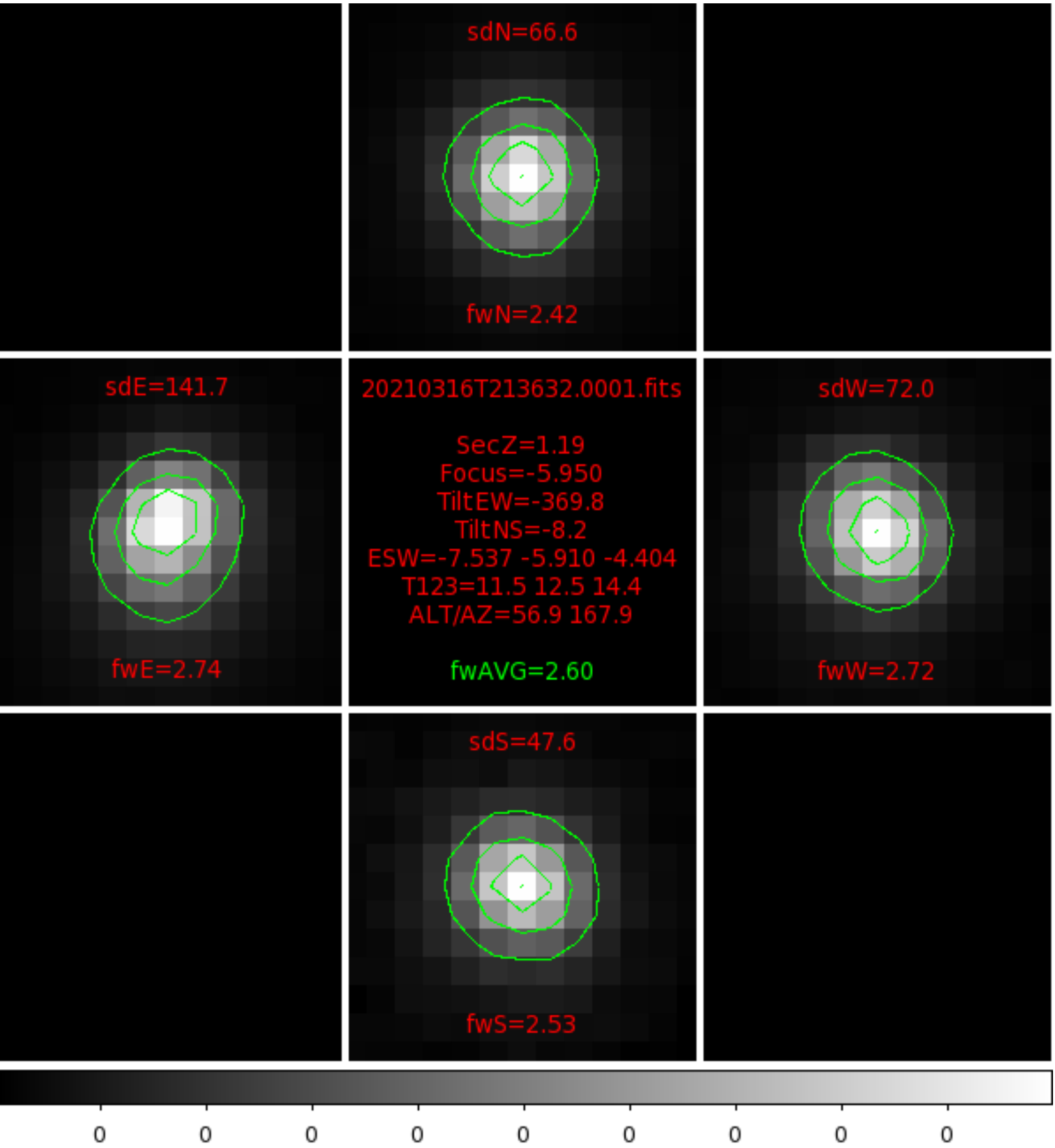
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SecZ=1.19
Focus=-5.950
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.537 -5.910 -4.404
T123=11.5 12.5 14.4
ALT/AZ=56.9 167.9
fwAVG=2.60
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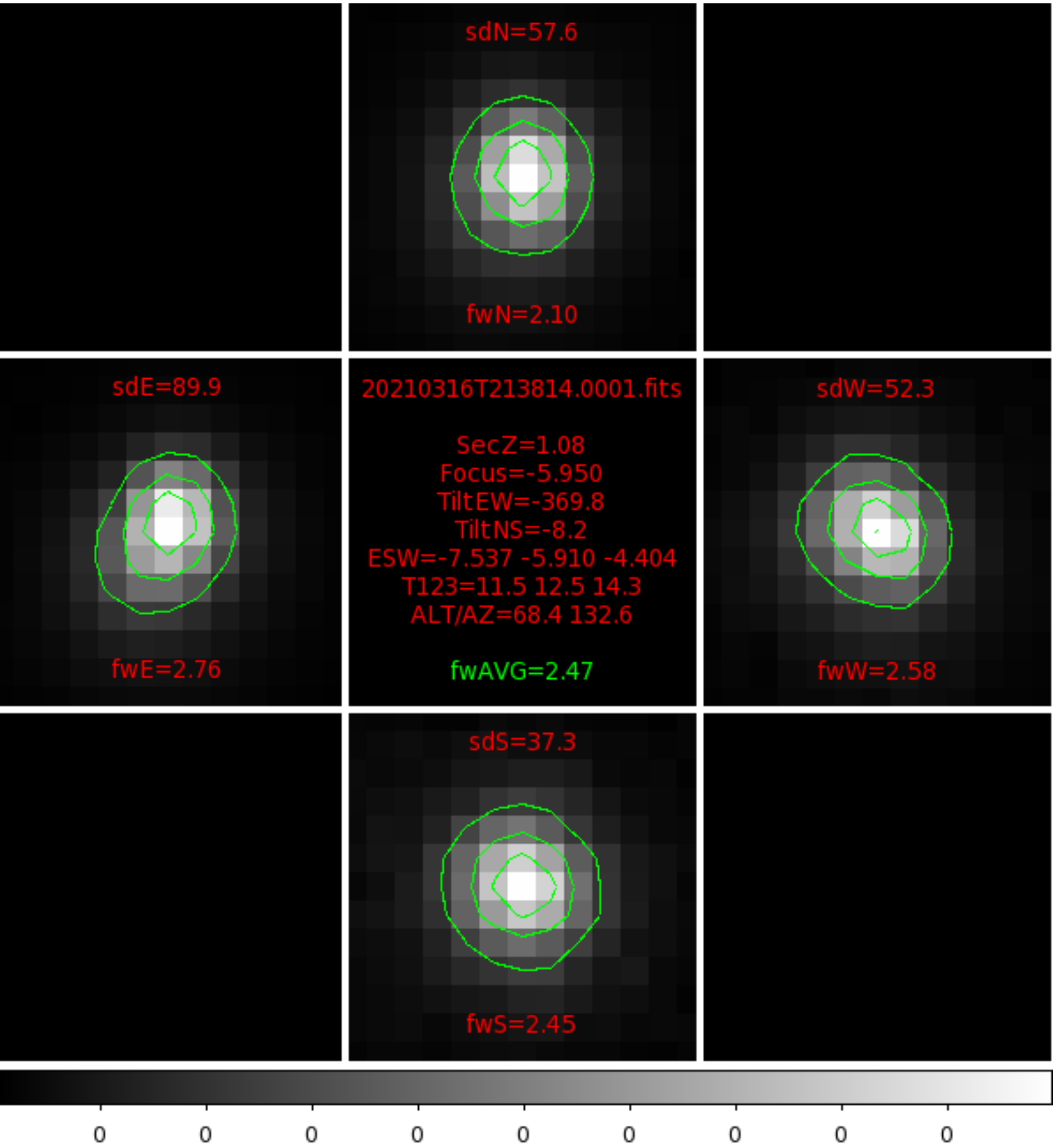
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SecZ=1.08
Focus=-5.950
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.537 -5.910 -4.404
T123=11.5 12.5 14.3
ALT/AZ=68.4 132.6
fwAVG=2.47
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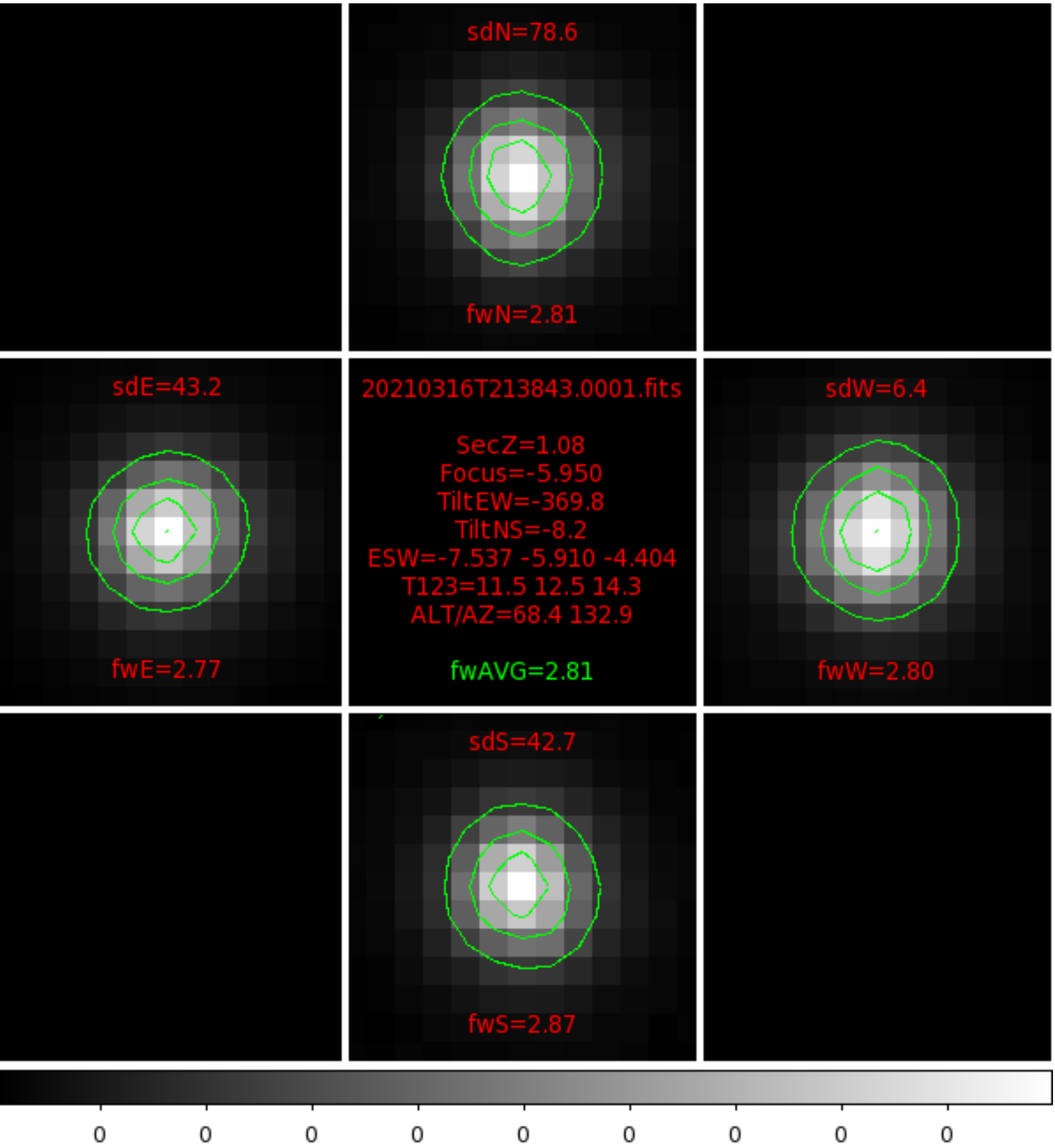
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SecZ=1.08
Focus=-5.950
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.537 -5.910 -4.404
T123=11.5 12.5 14.3
ALT/AZ=68.4 132.9
fwAVG=2.81
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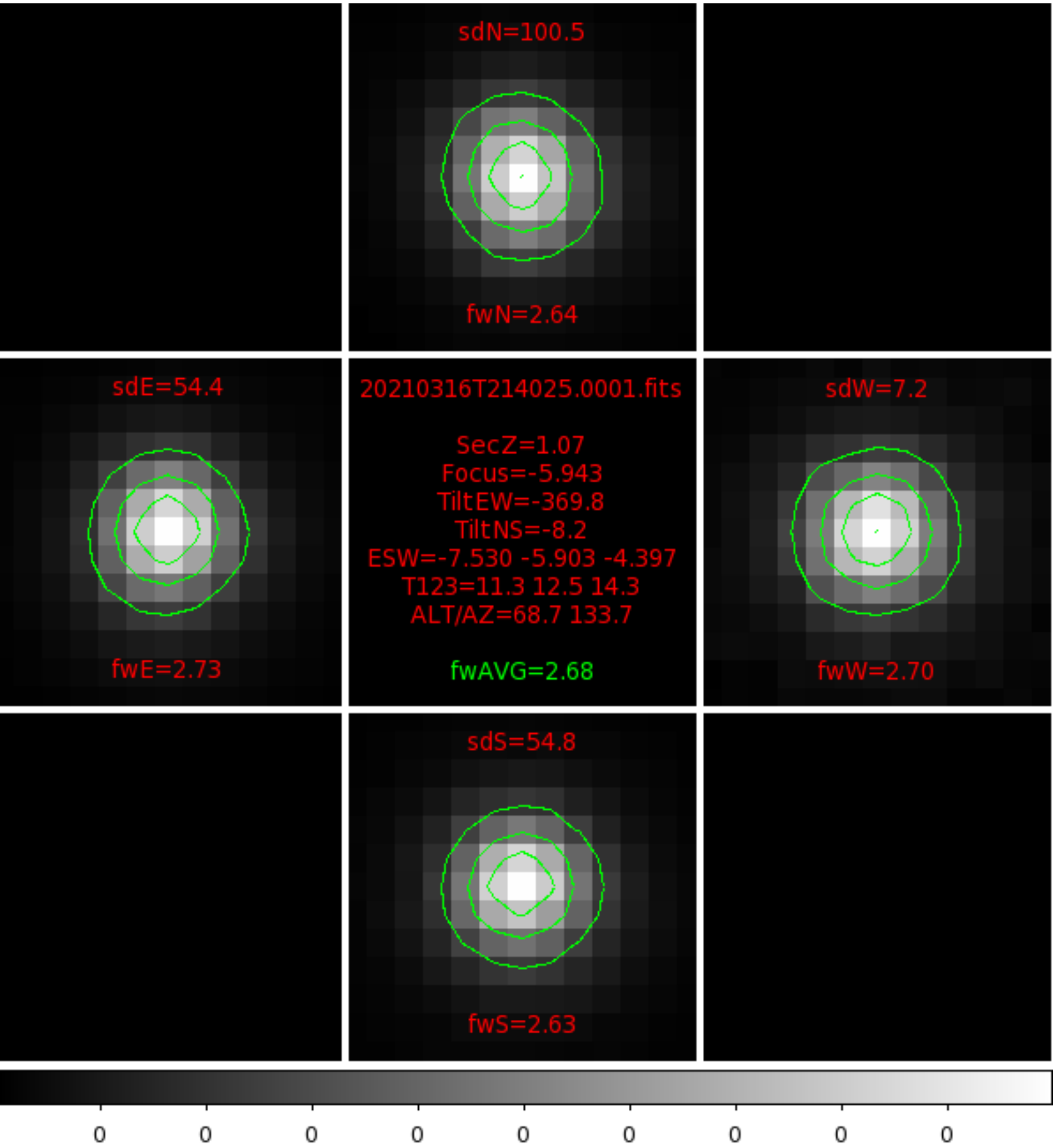
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20210316T214025.0001.fits
SecZ=1.07
Focus=-5.943
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TiltNS=-8.2
ESW=-7.530 -5.903 -4.397
T123=11.3 12.5 14.3
ALT/AZ=68.7 133.7
fwAVG=2.68
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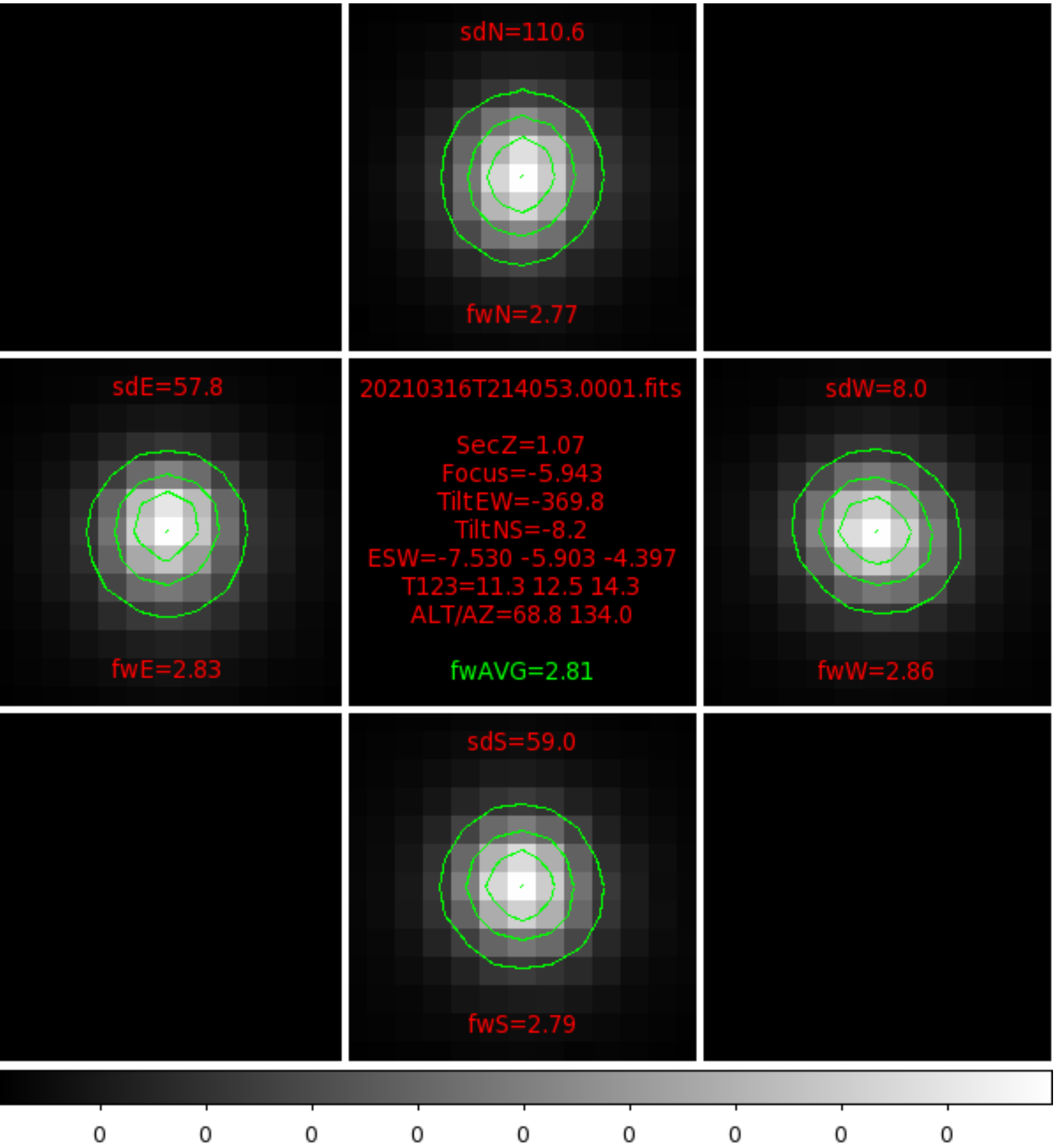
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20210316T214053.0001.fits
SecZ=1.07
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.530 -5.903 -4.397
T123=11.3 12.5 14.3
ALT/AZ=68.8 134.0
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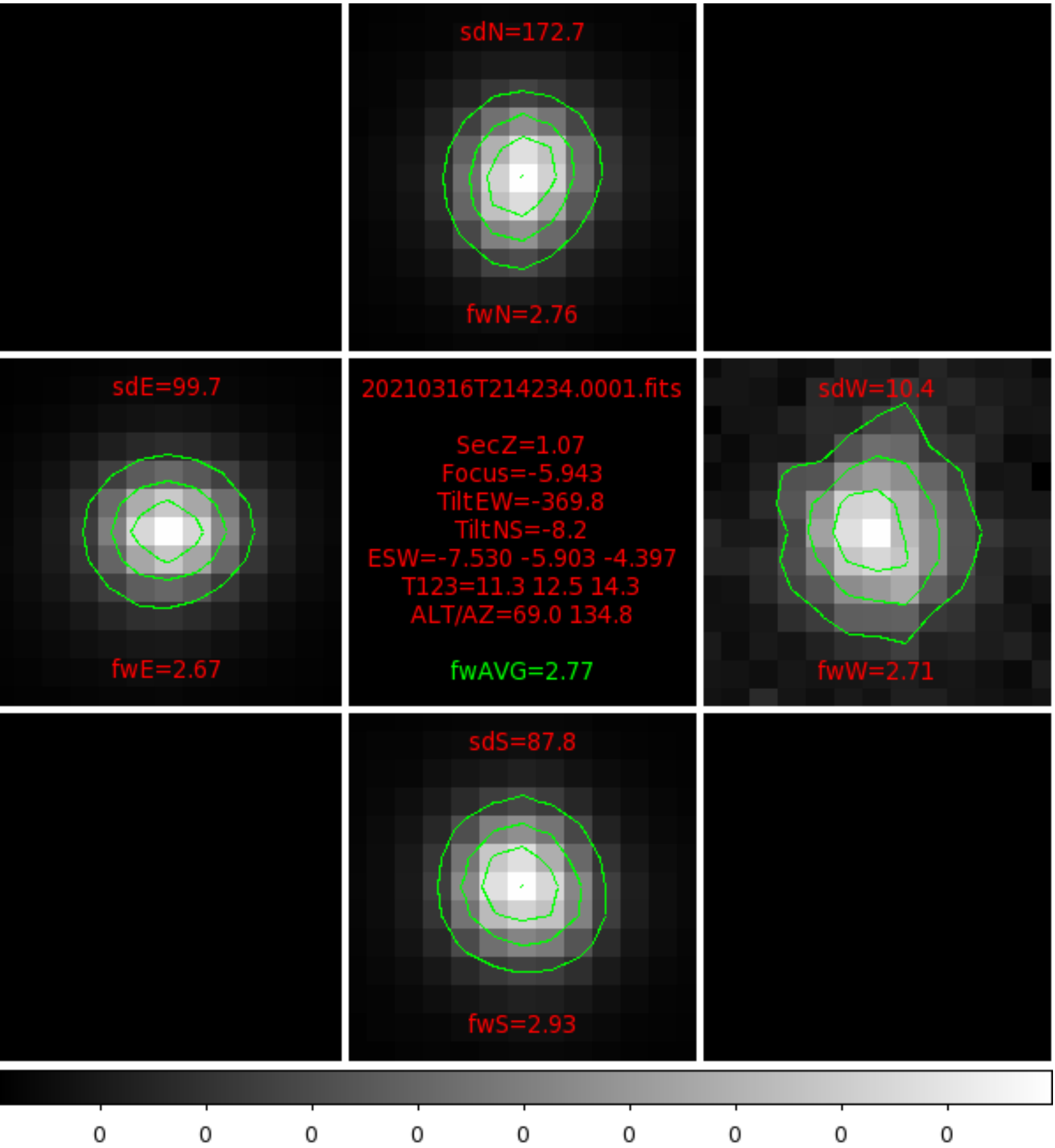
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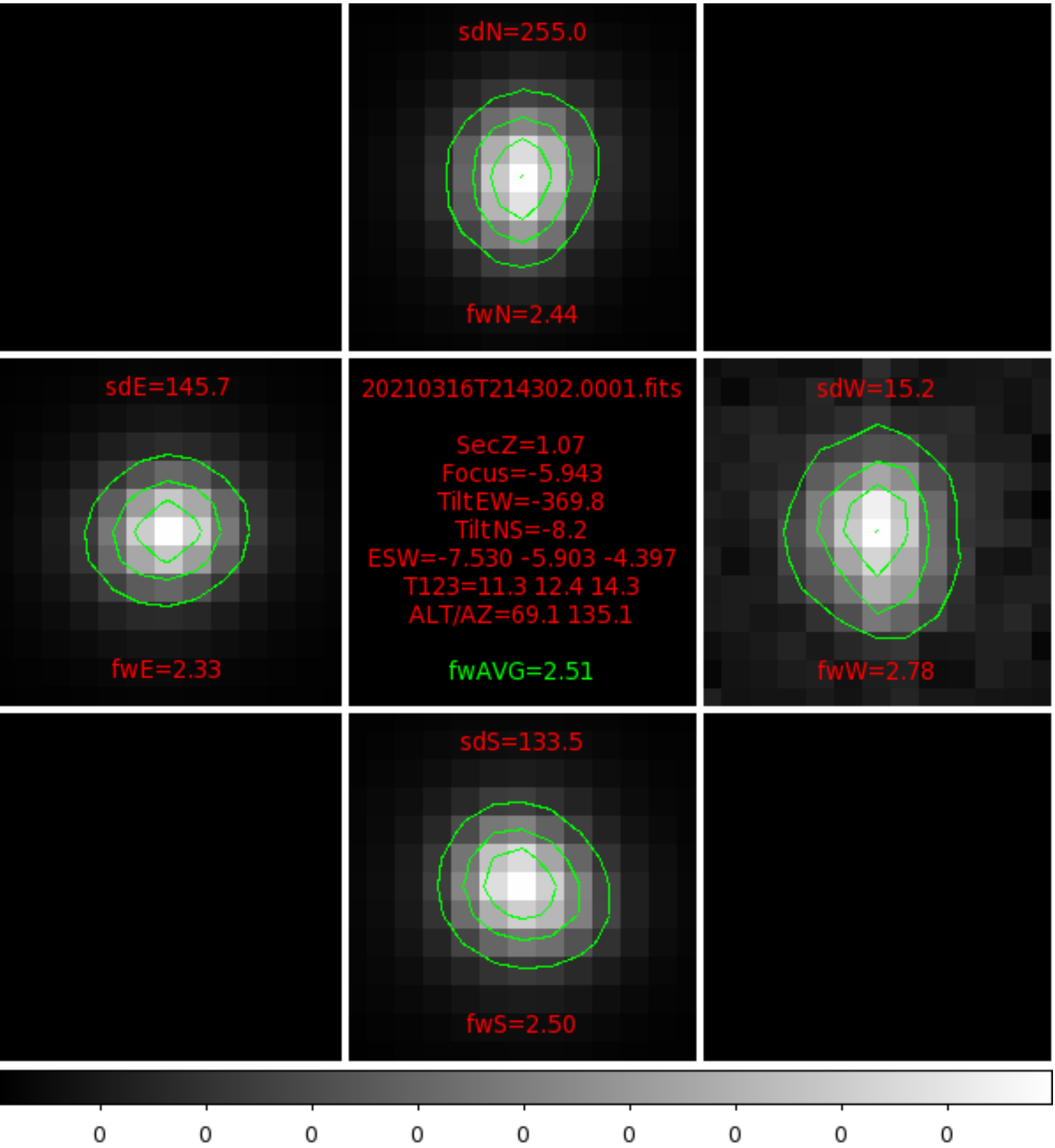
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20210316T214302.0001.fits
SecZ=1.07
Focus=-5.943
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TiltNS=-8.2
ESW=-7.530 -5.903 -4.397
T123=11.3 12.4 14.3
ALT/AZ=69.1 135.1
fwAVG=2.51
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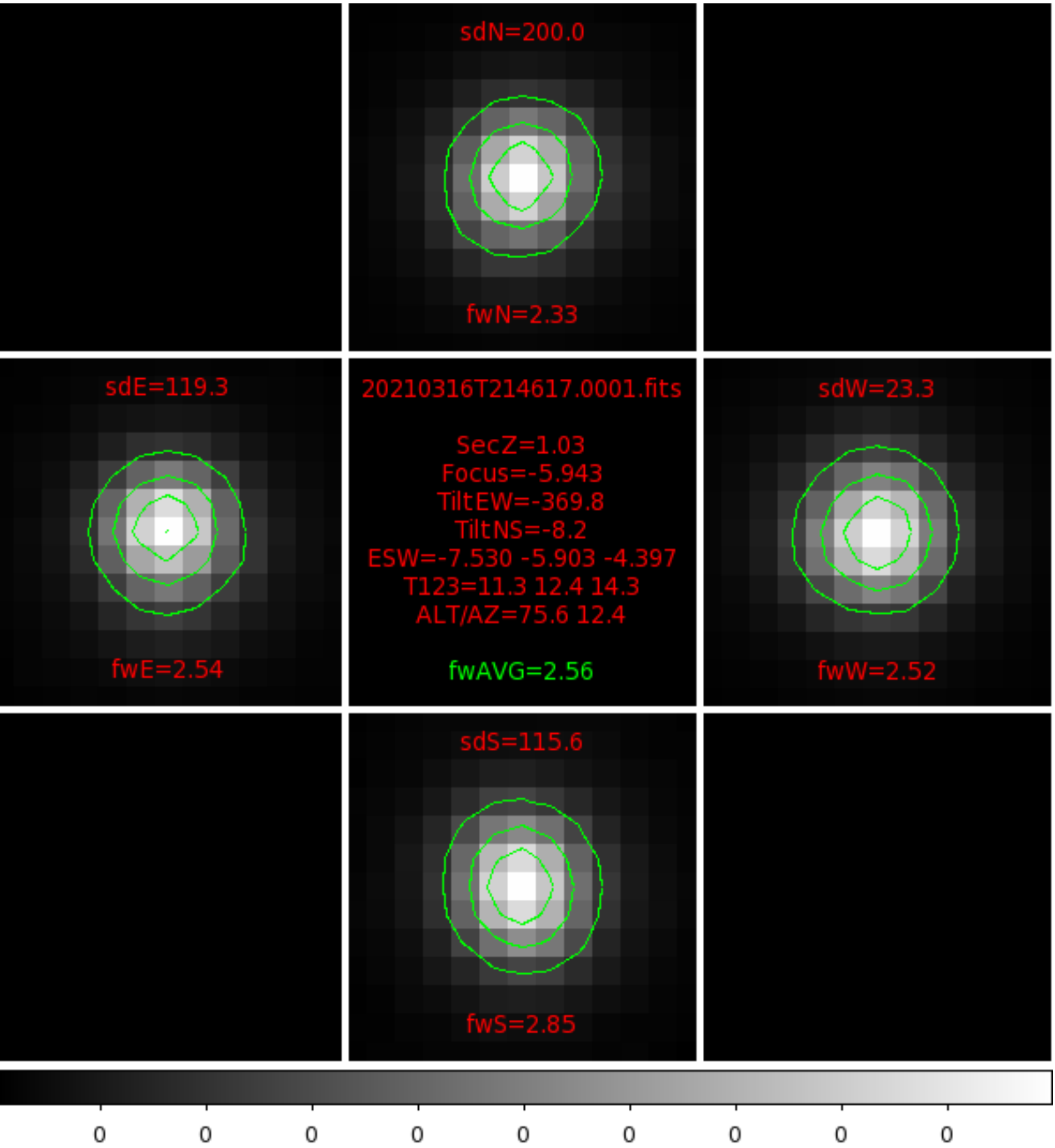
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SecZ=1.03
Focus=-5.943
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TiltNS=-8.2
ESW=-7.530 -5.903 -4.397
T123=11.3 12.4 14.3
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fwAVG=2.56
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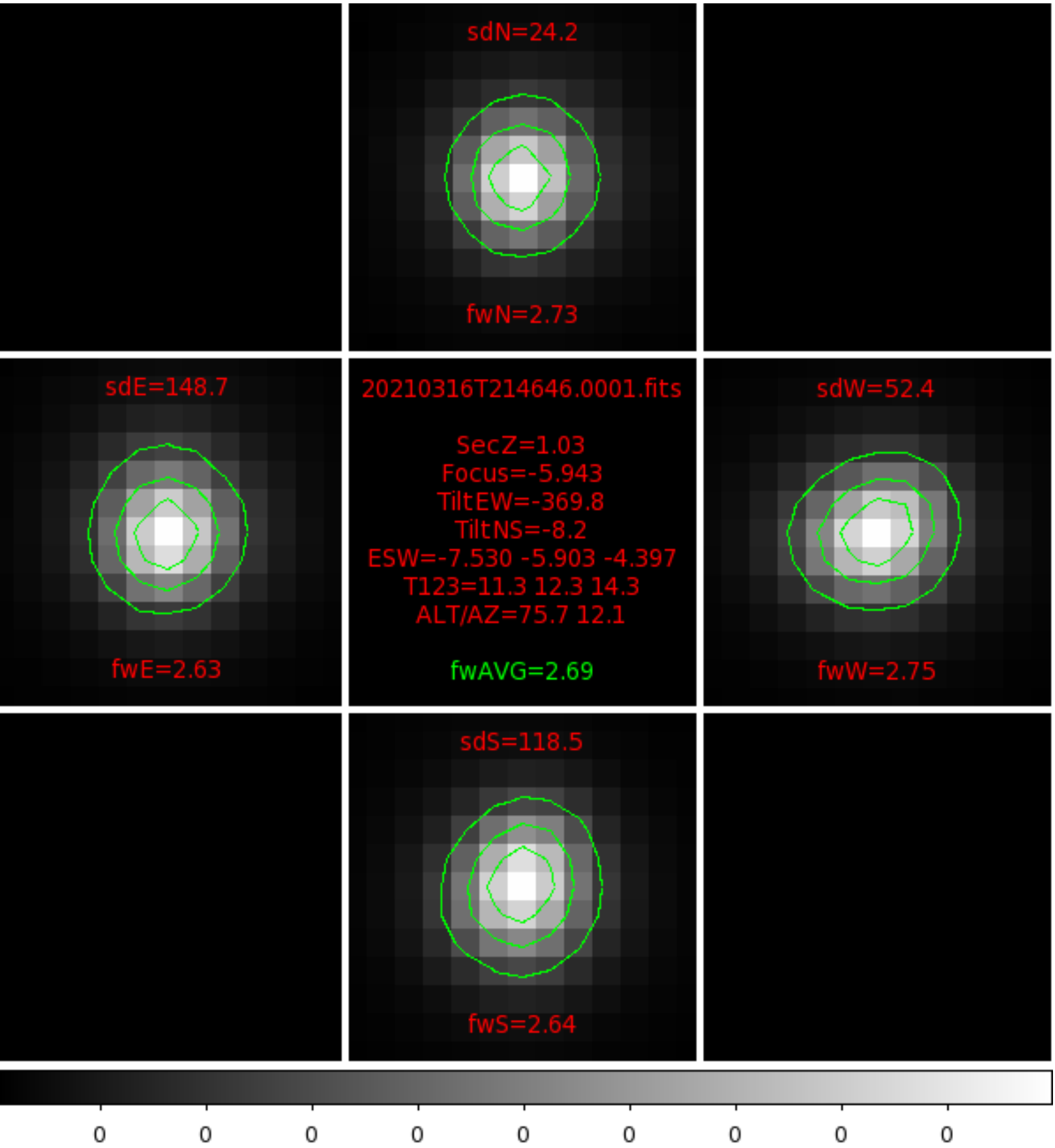
sdN=24.2
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SecZ=1.03
Focus=-5.943
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TiltNS=-8.2
ESW=-7.530 -5.903 -4.397
T123=11.3 12.3 14.3
ALT/AZ=75.7 12.1
fwAVG=2.69
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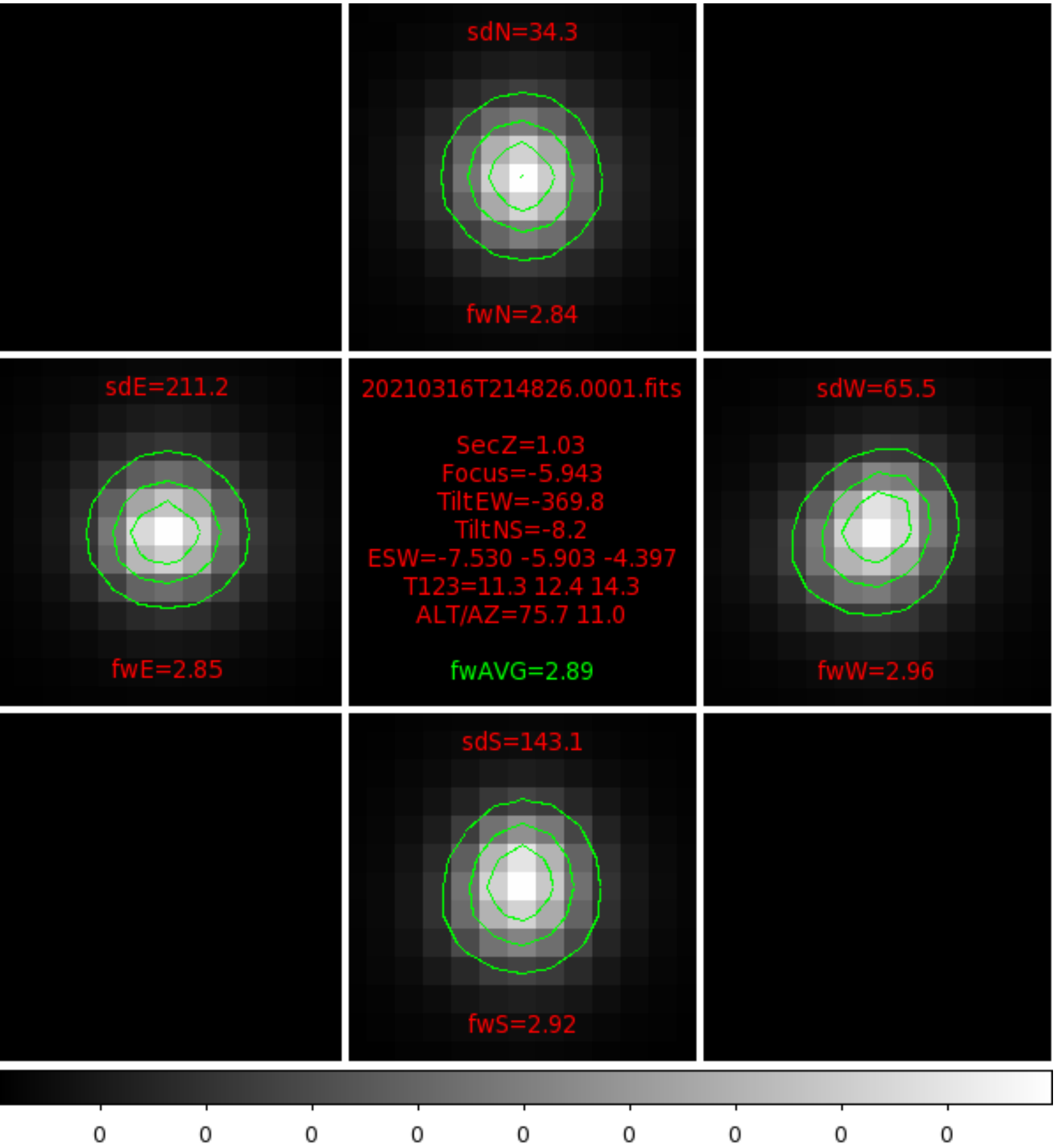
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SecZ=1.03
Focus=-5.943
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.530 -5.903 -4.397
T123=11.3 12.4 14.3
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fwAVG=2.89
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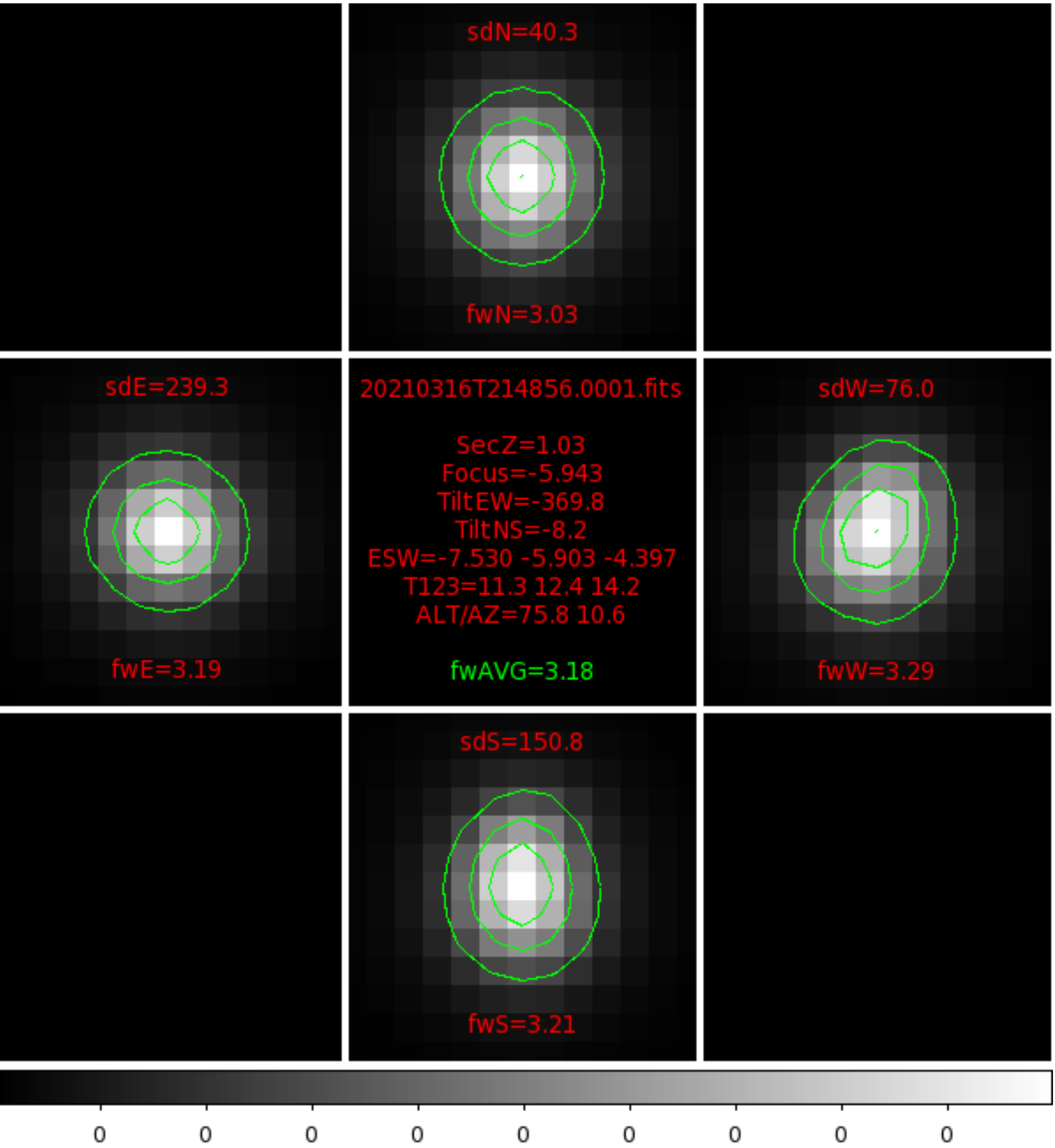
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SecZ=1.03
Focus=-5.943
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.530 -5.903 -4.397
T123=11.3 12.4 14.2
ALT/AZ=75.8 10.6
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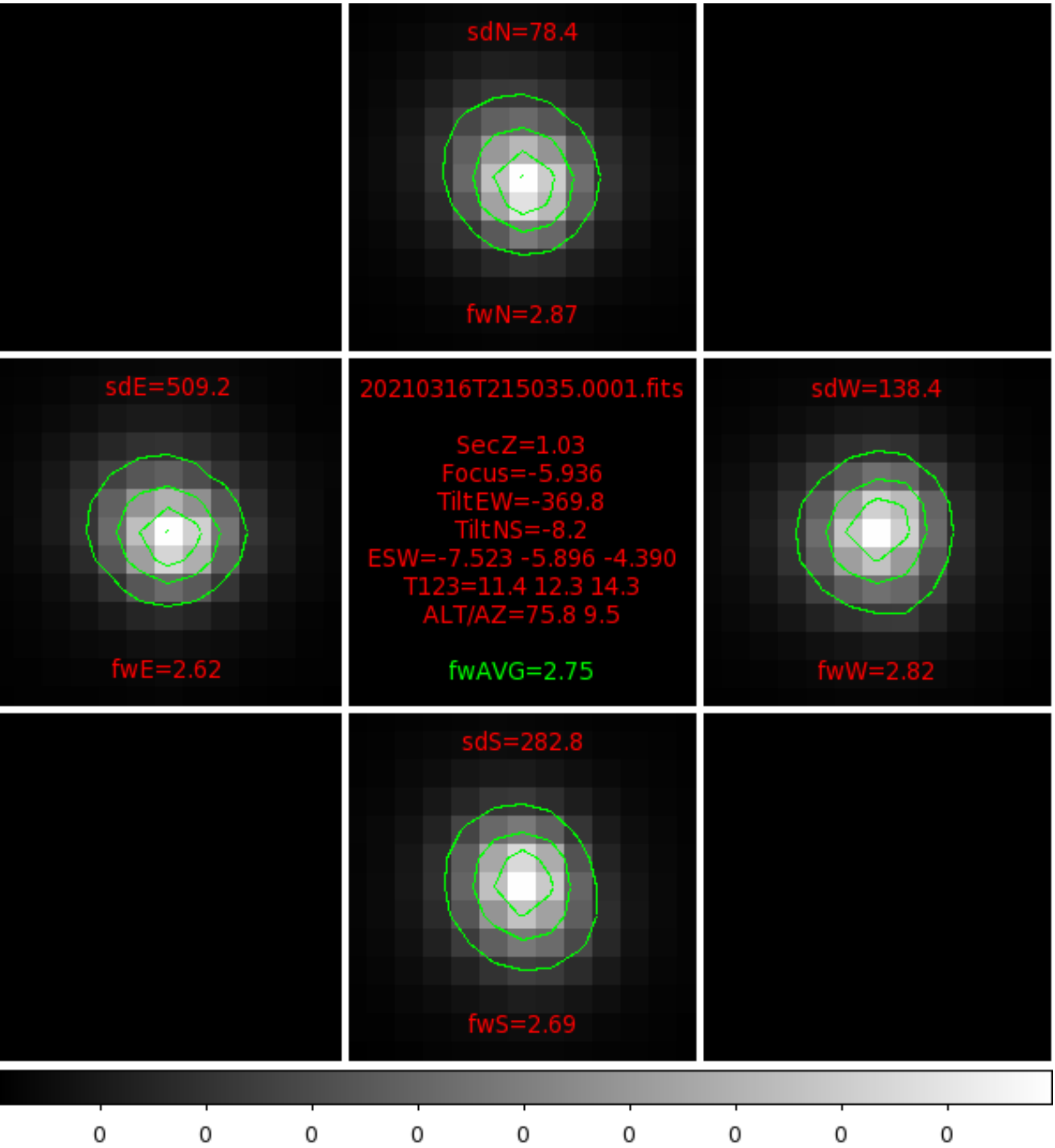
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sdE=509.2
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20210316T215035.0001.fits
SecZ=1.03
Focus=-5.936
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.523 -5.896 -4.390
T123=11.4 12.3 14.3
ALT/AZ=75.8 9.5
fwAVG=2.75
sdW=138.4
fwW=2.82
sdS=282.8
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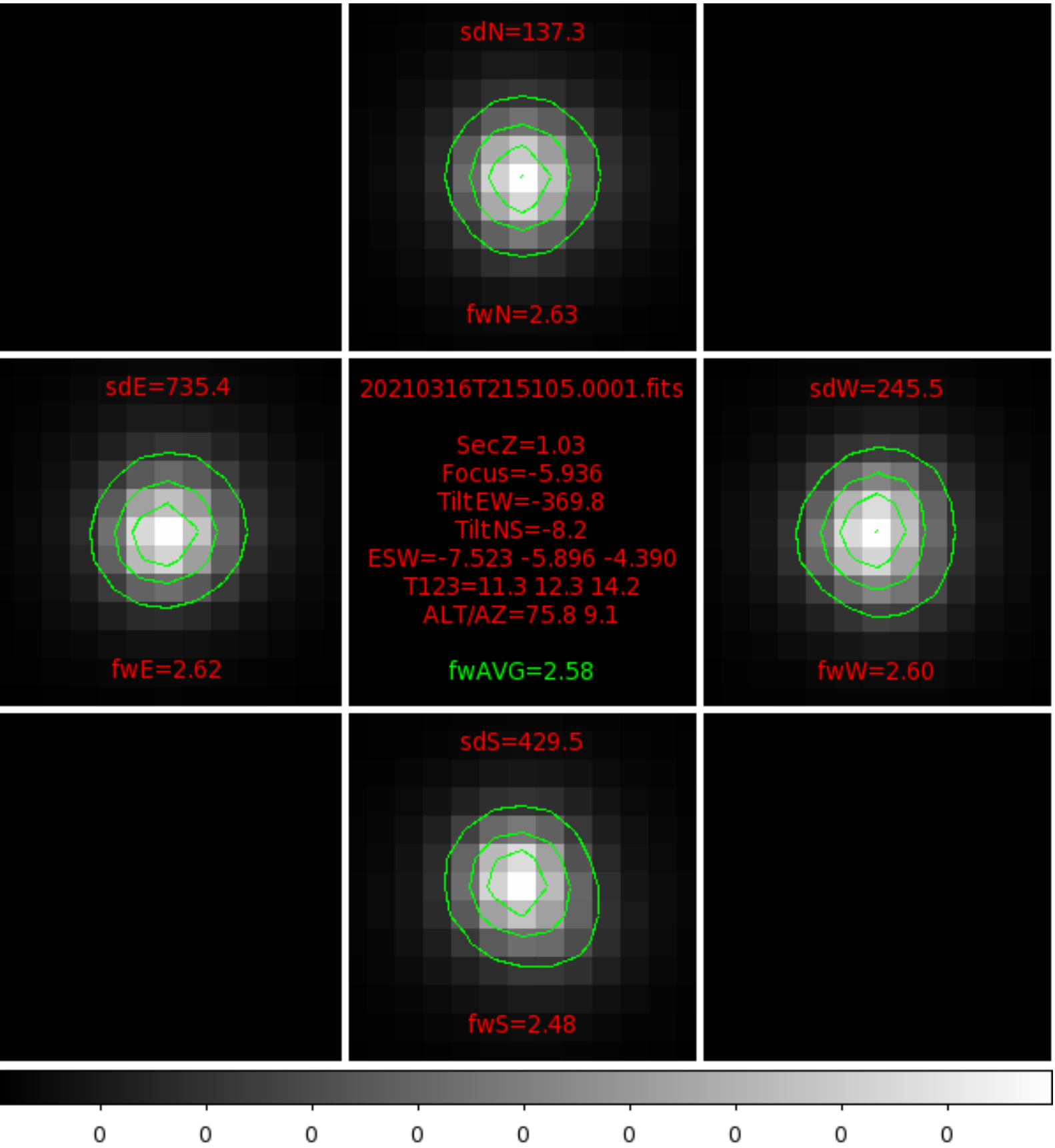
sdN=137.3
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20210316T215105.0001.fits
SecZ=1.03
Focus=-5.936
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.523 -5.896 -4.390
T123=11.3 12.3 14.2
ALT/AZ=75.8 9.1
fwAVG=2.58
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sdS=429.5
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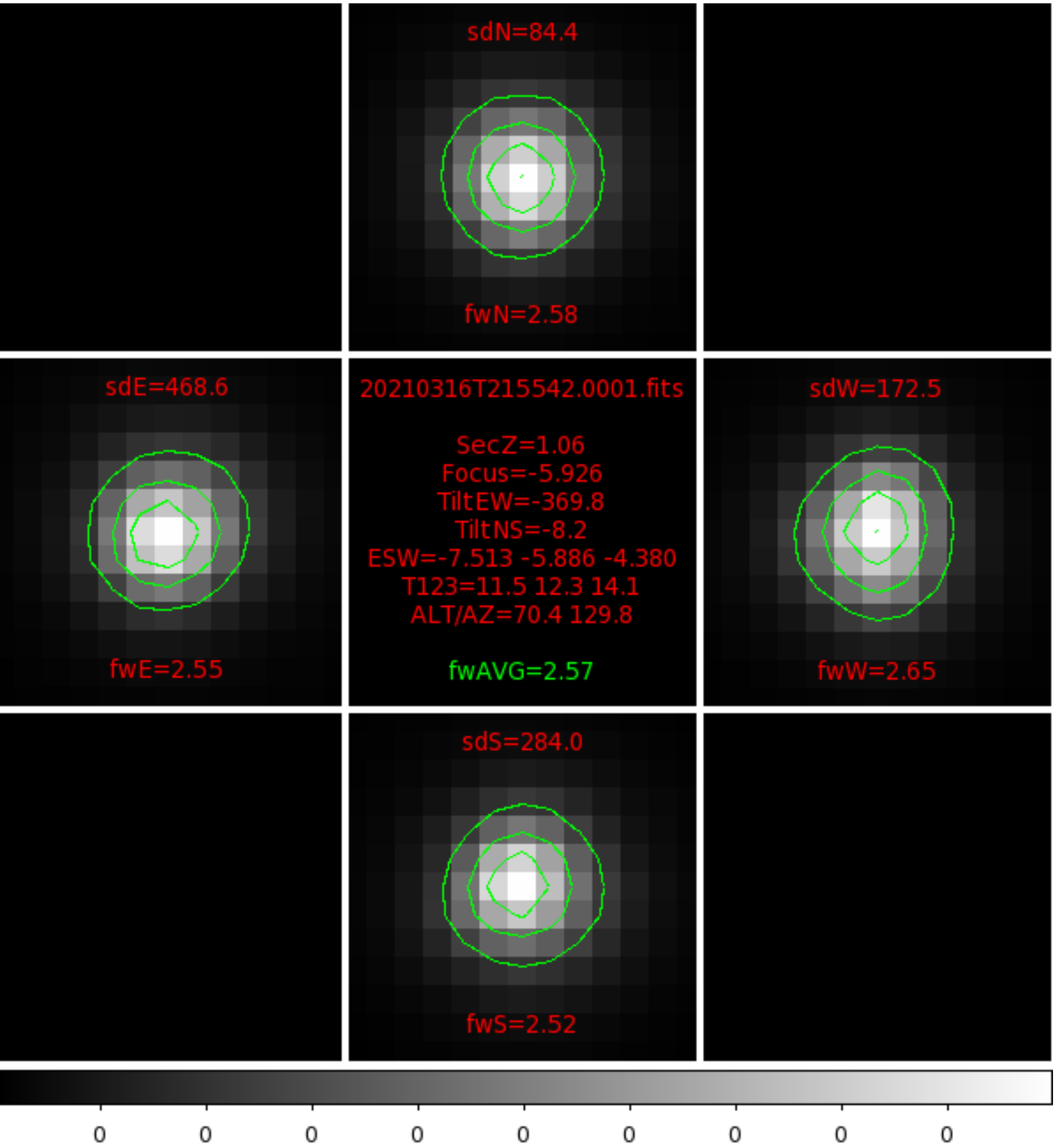
sdN=84.4
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Focus=-5.926
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.513 -5.886 -4.380
T123=11.5 12.3 14.1
ALT/AZ=70.4 129.8
fwAVG=2.57
sdW=172.5
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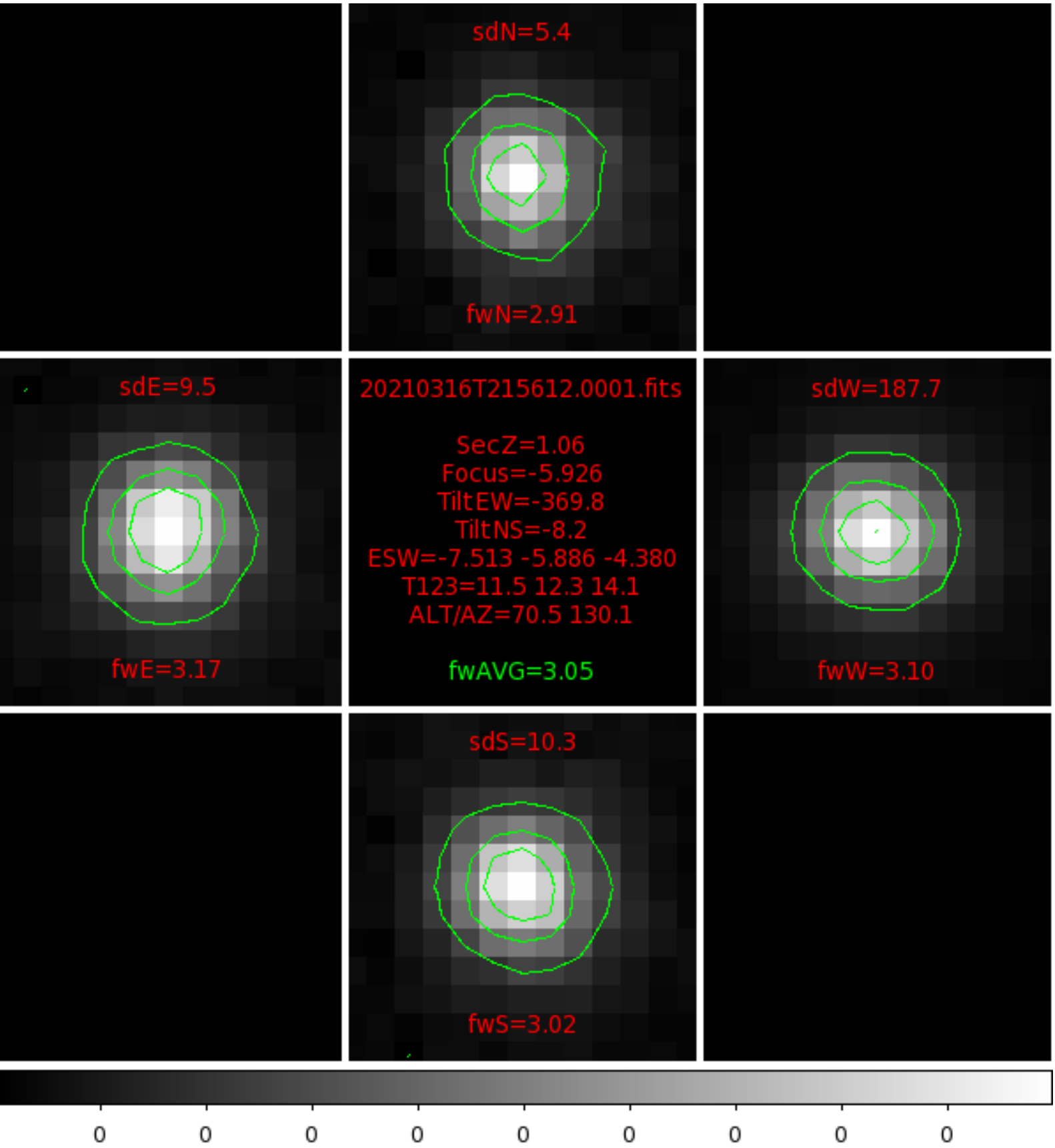
sdN=5.4
fwN=2.91
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20210316T215612.0001.fits
SecZ=1.06
Focus=-5.926
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.513 -5.886 -4.380
T123=11.5 12.3 14.1
ALT/AZ=70.5 130.1
fwAVG=3.05
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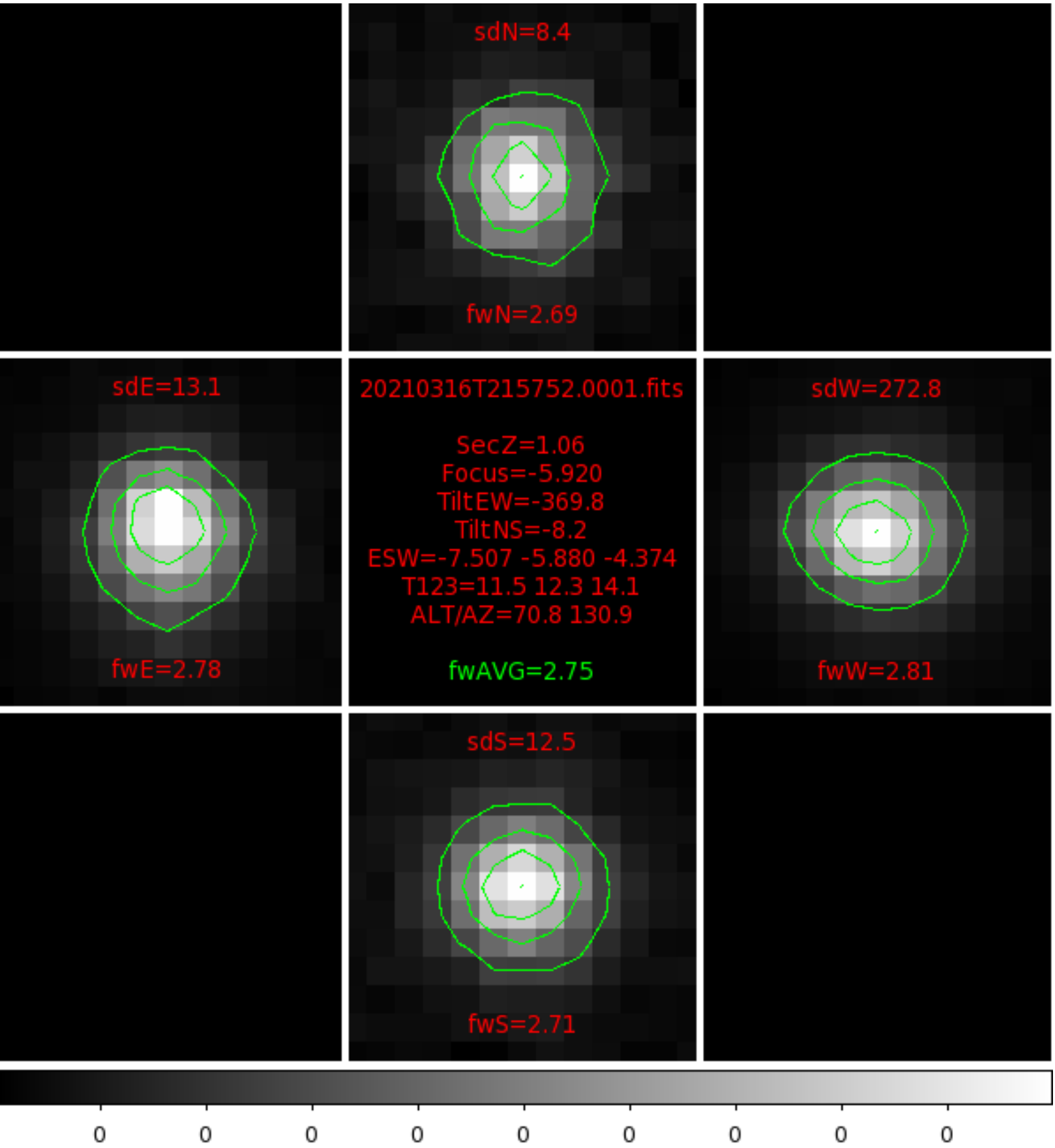
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20210316T215752.0001.fits
SecZ=1.06
Focus=-5.920
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.507 -5.880 -4.374
T123=11.5 12.3 14.1
ALT/AZ=70.8 130.9
fwAVG=2.75
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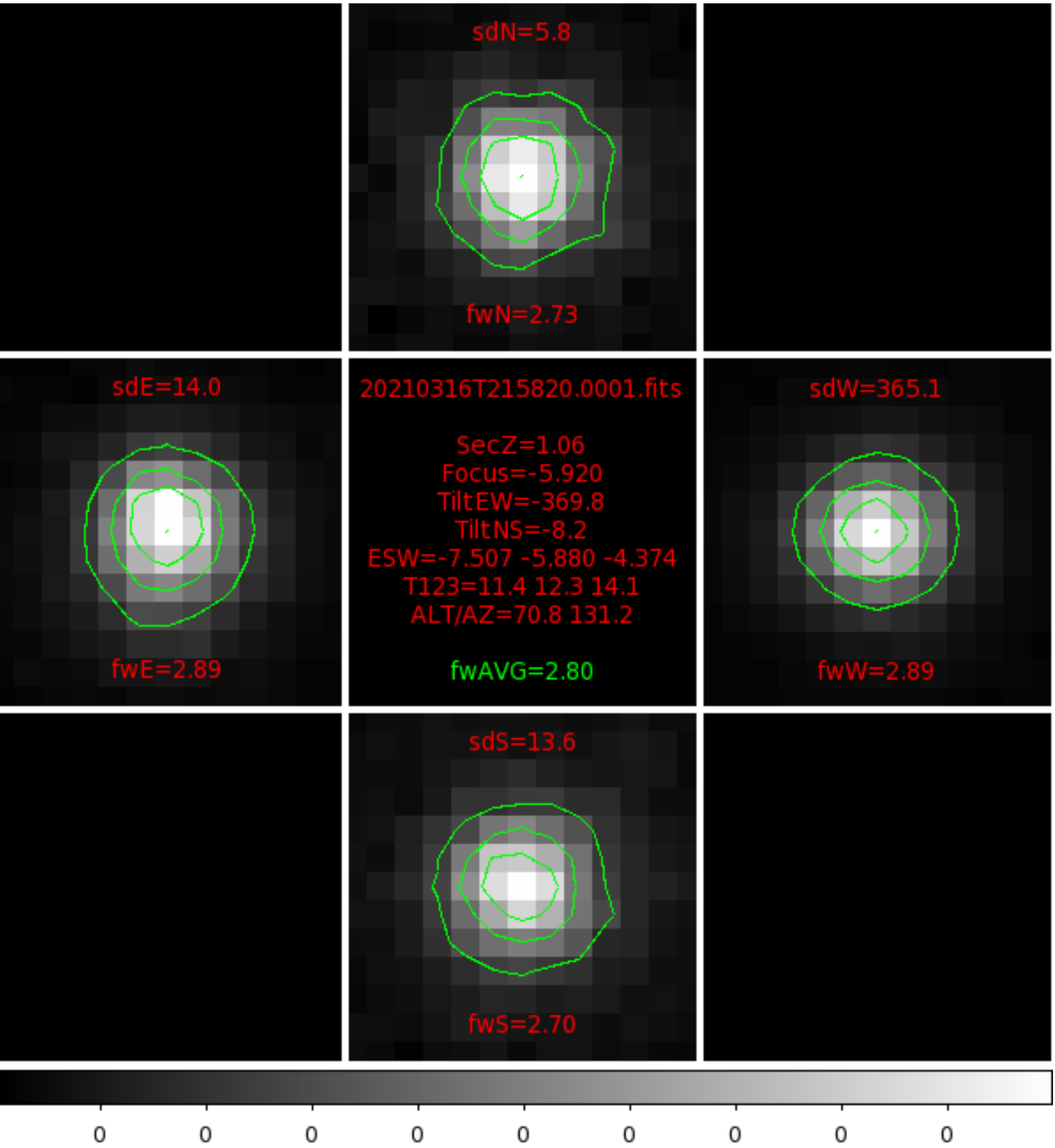
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20210316T215820.0001.fits
SecZ=1.06
Focus=-5.920
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.507 -5.880 -4.374
T123=11.4 12.3 14.1
ALT/AZ=70.8 131.2
fwAVG=2.80
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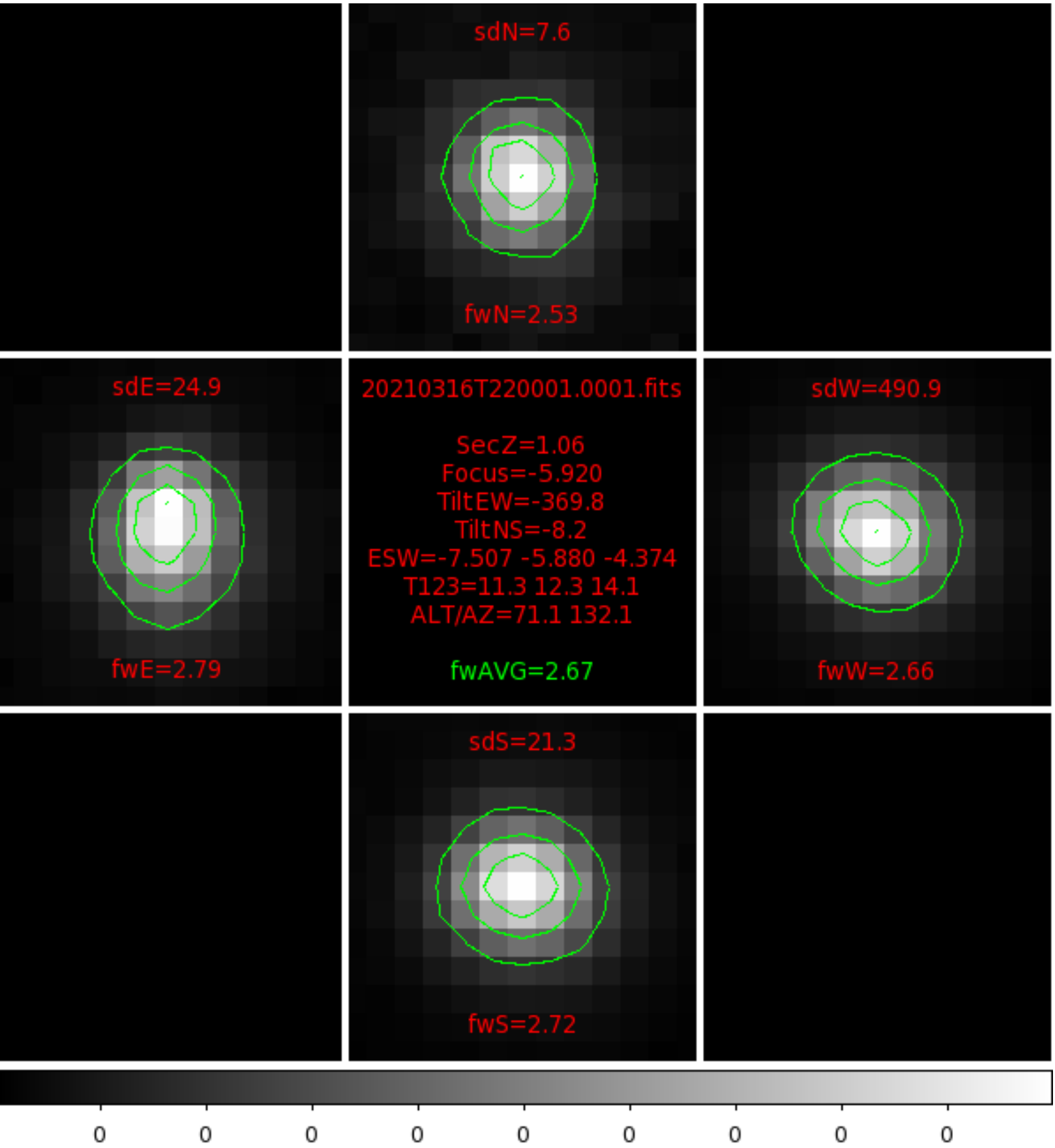
sdN=7.6
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SecZ=1.06
Focus=-5.920
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.507 -5.880 -4.374
T123=11.3 12.3 14.1
ALT/AZ=71.1 132.1
fwAVG=2.67
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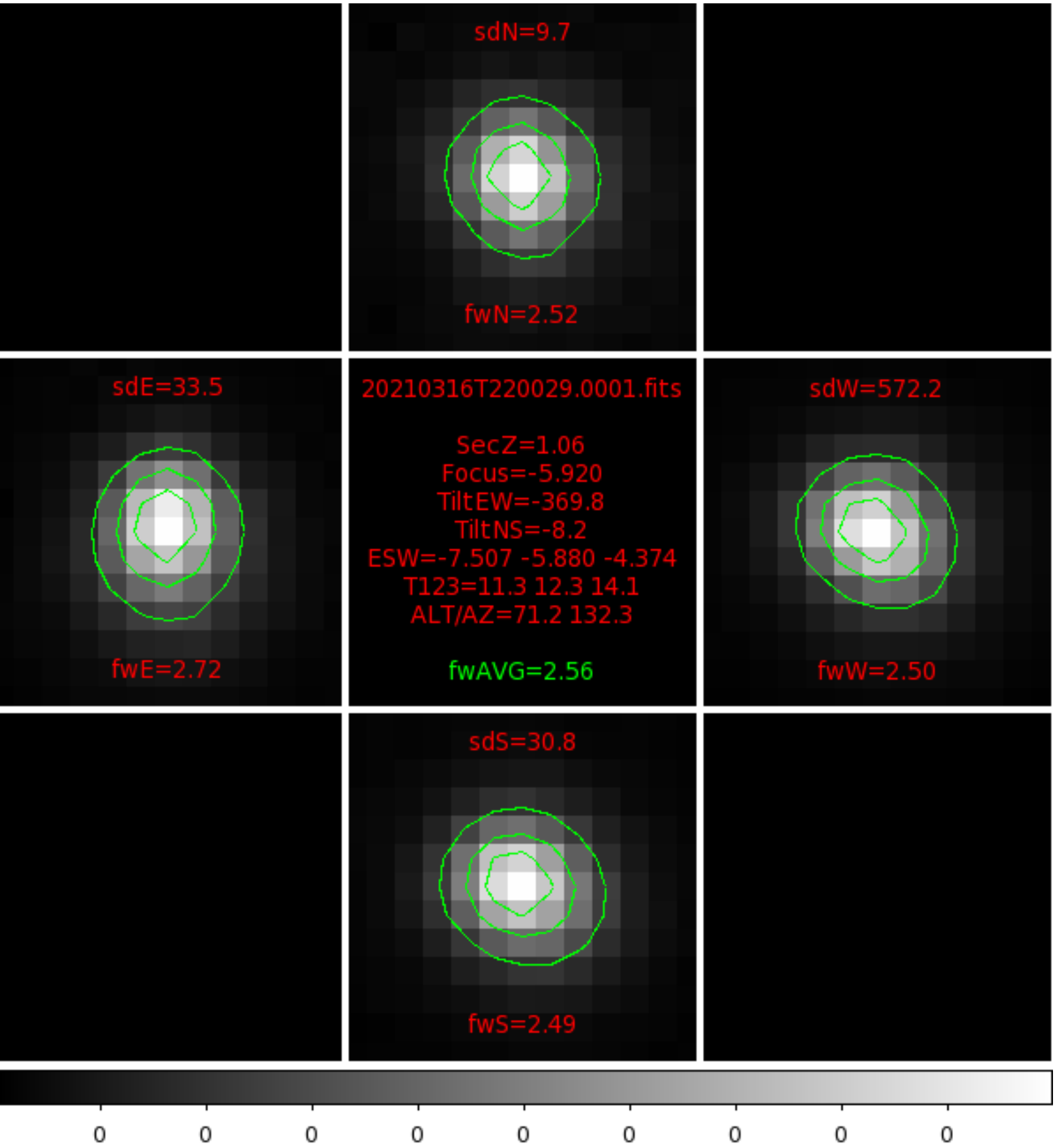
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SecZ=1.06
Focus=-5.920
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.507 -5.880 -4.374
T123=11.3 12.3 14.1
ALT/AZ=71.2 132.3
fwAVG=2.56
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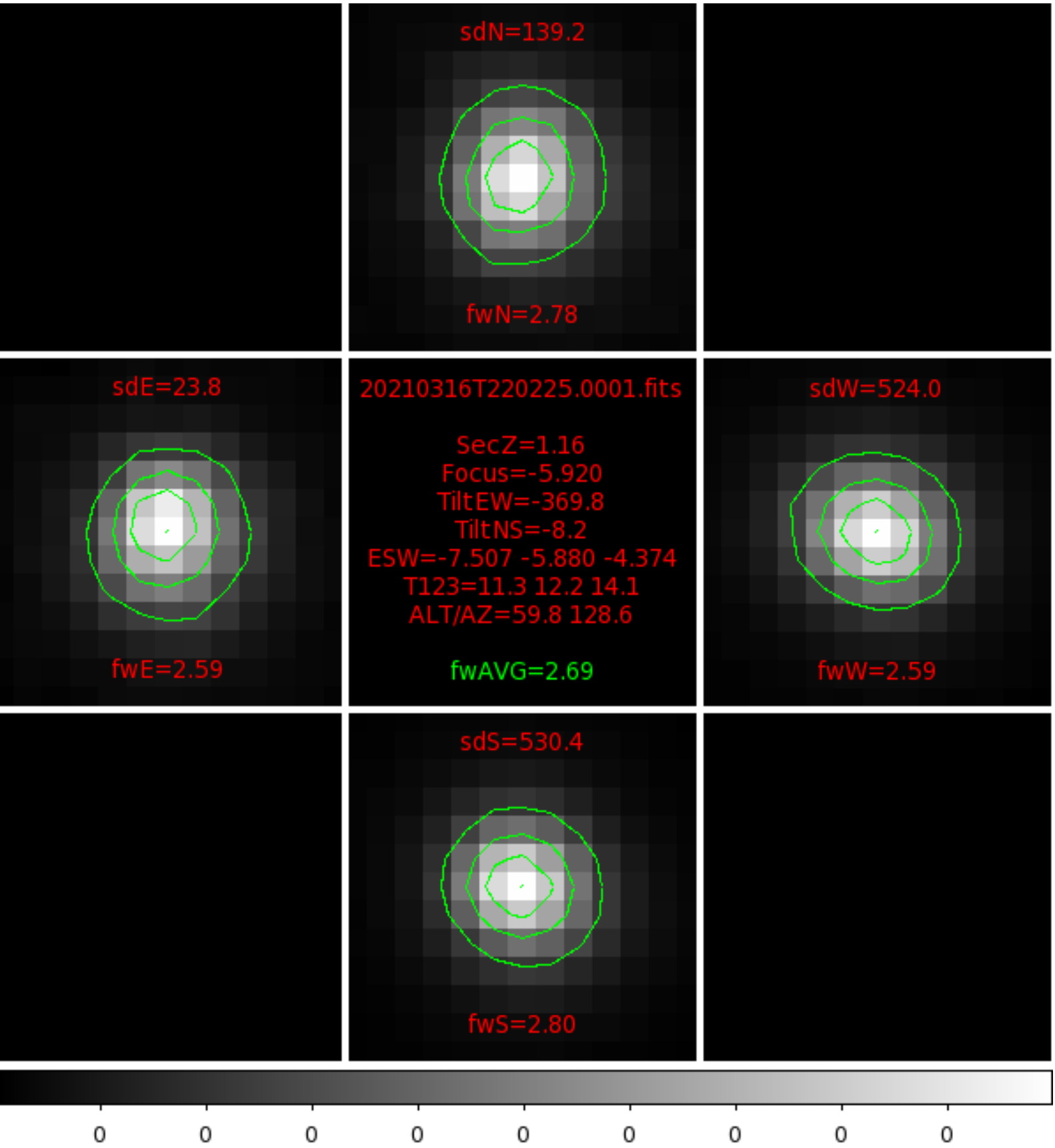
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20210316T220225.0001.fits
SecZ=1.16
Focus=-5.920
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.507 -5.880 -4.374
T123=11.3 12.2 14.1
ALT/AZ=59.8 128.6
fwAVG=2.69
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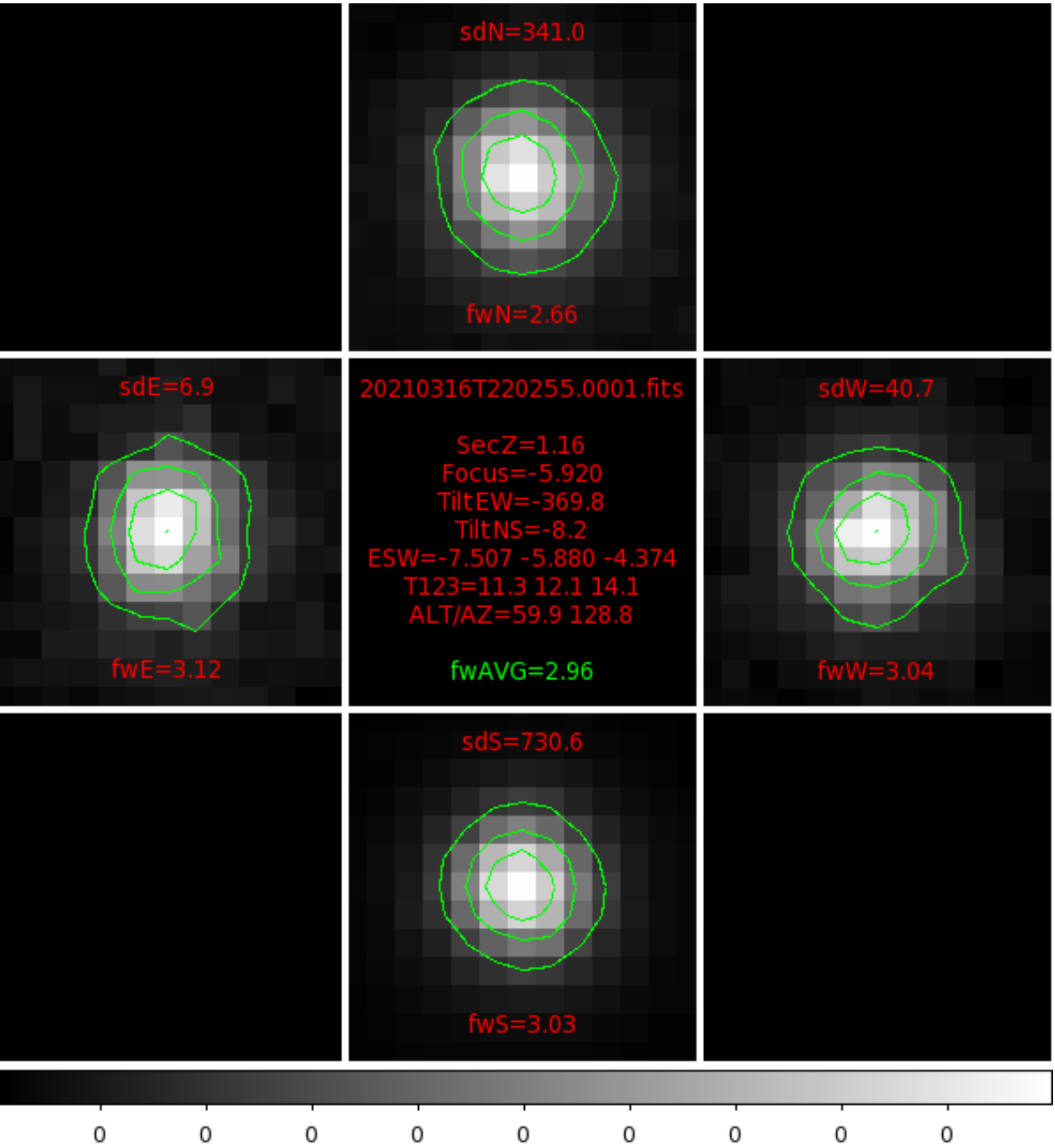
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Focus=-5.920
TiltEW=-369.8
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ESW=-7.507 -5.880 -4.374
T123=11.3 12.1 14.1
ALT/AZ=59.9 128.8
fwAVG=2.96
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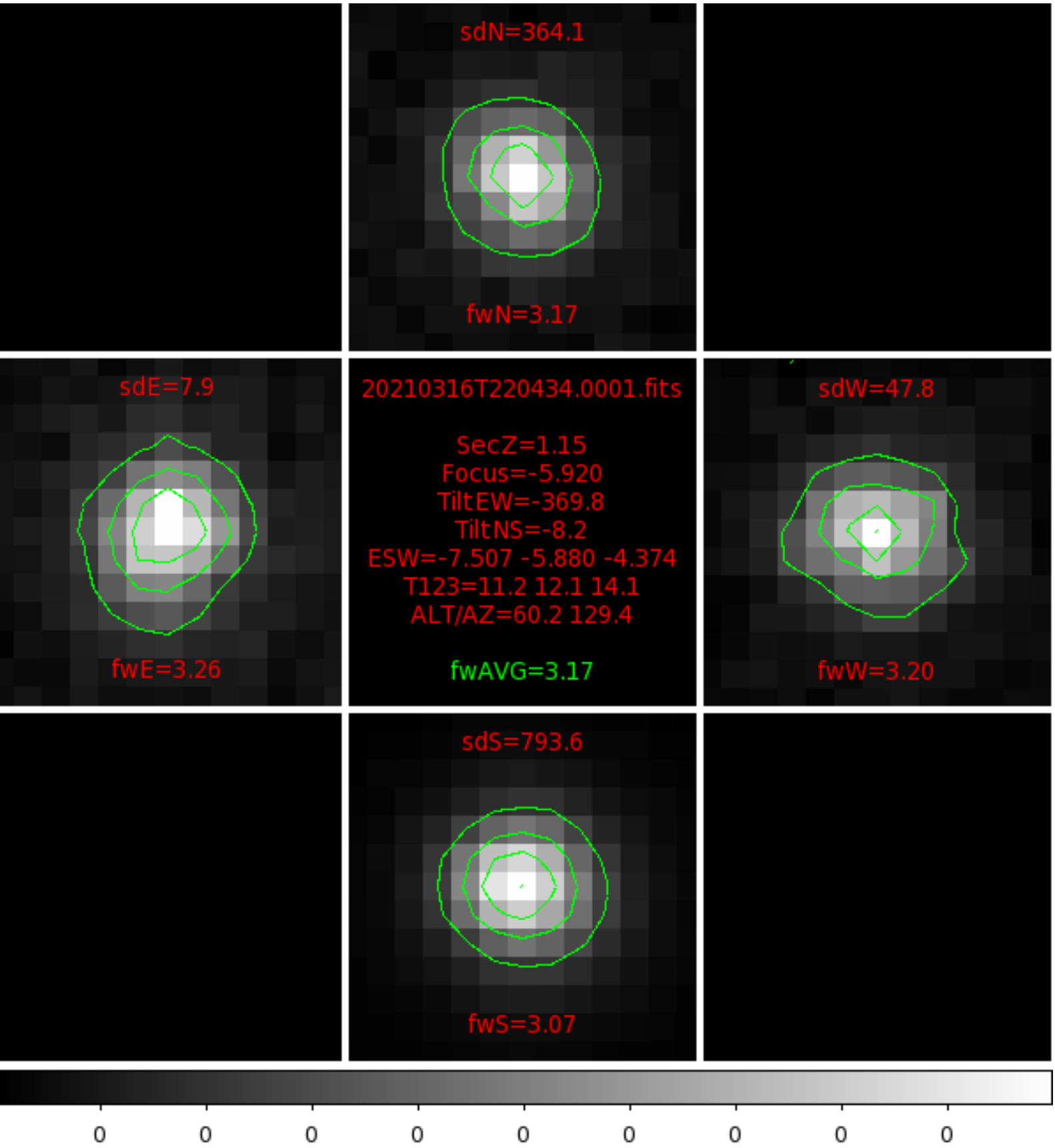
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Focus=-5.920
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.507 -5.880 -4.374
T123=11.2 12.1 14.1
ALT/AZ=60.2 129.4
fwAVG=3.17
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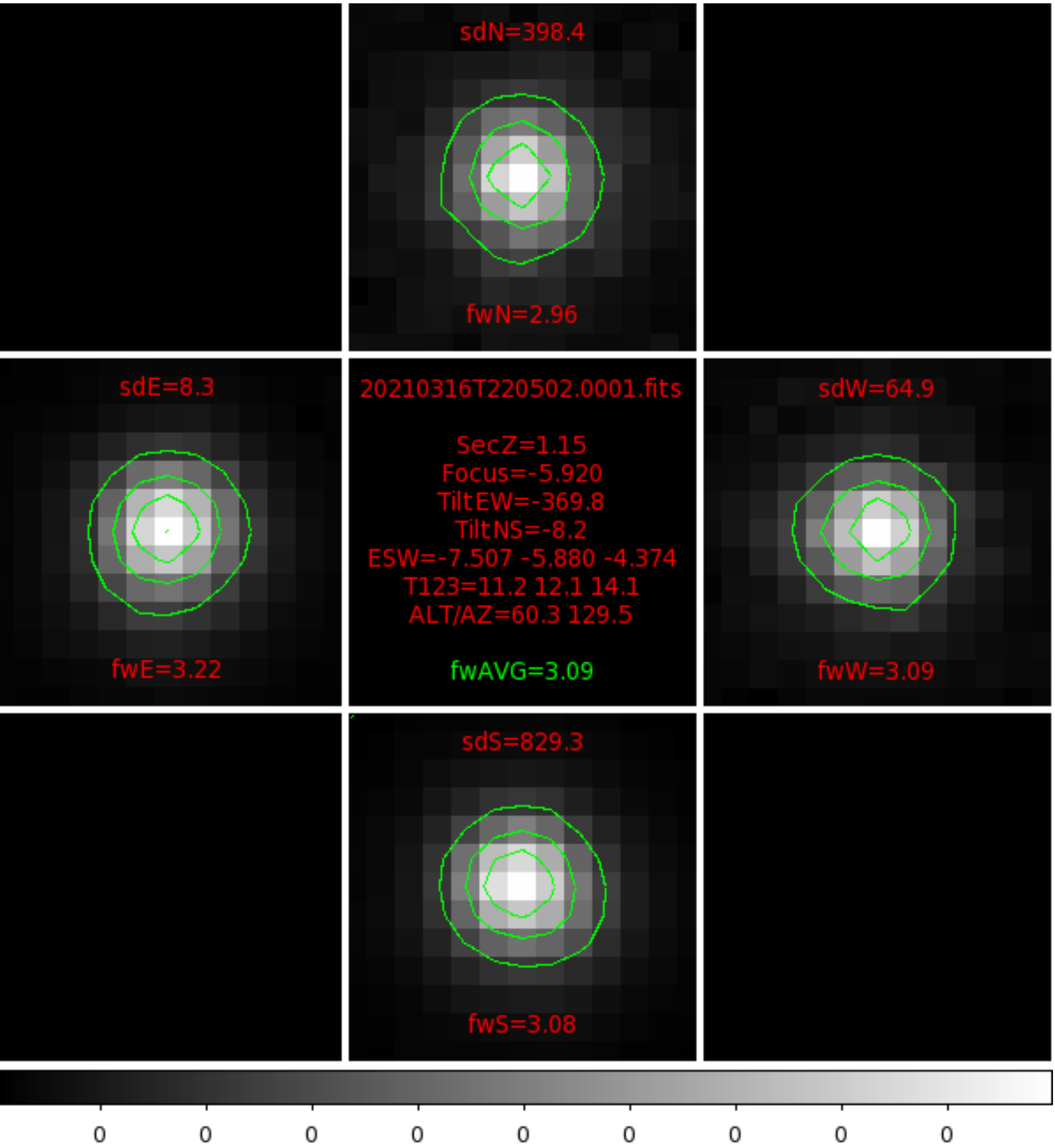
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20210316T220502.0001.fits
SecZ=1.15
Focus=-5.920
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.507 -5.880 -4.374
T123=11.2 12.1 14.1
ALT/AZ=60.3 129.5
fwAVG=3.09
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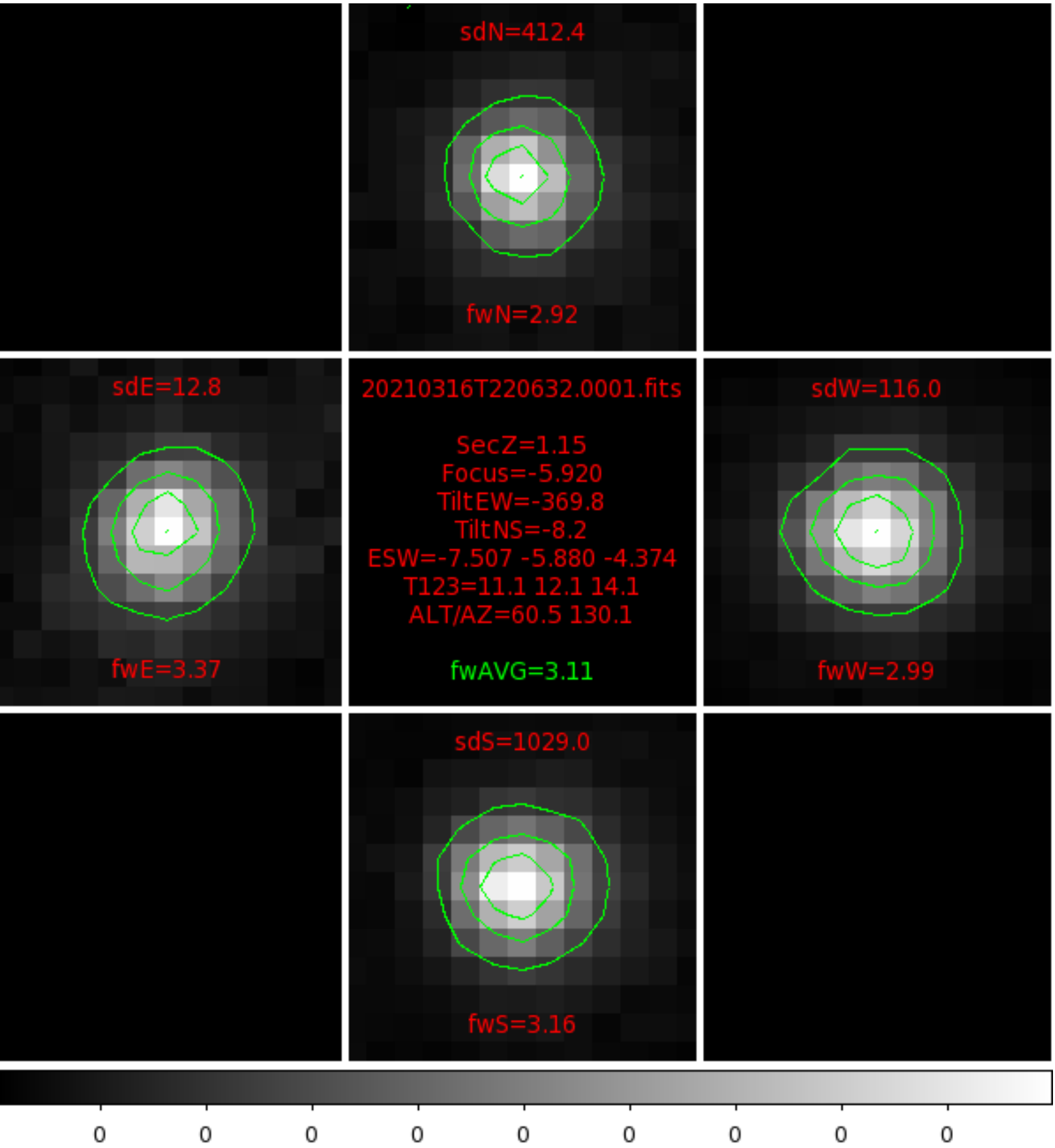
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sdE=12.8
fwE=3.37
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SecZ=1.15
Focus=-5.920
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.507 -5.880 -4.374
T123=11.1 12.1 14.1
ALT/AZ=60.5 130.1
fwAVG=3.11
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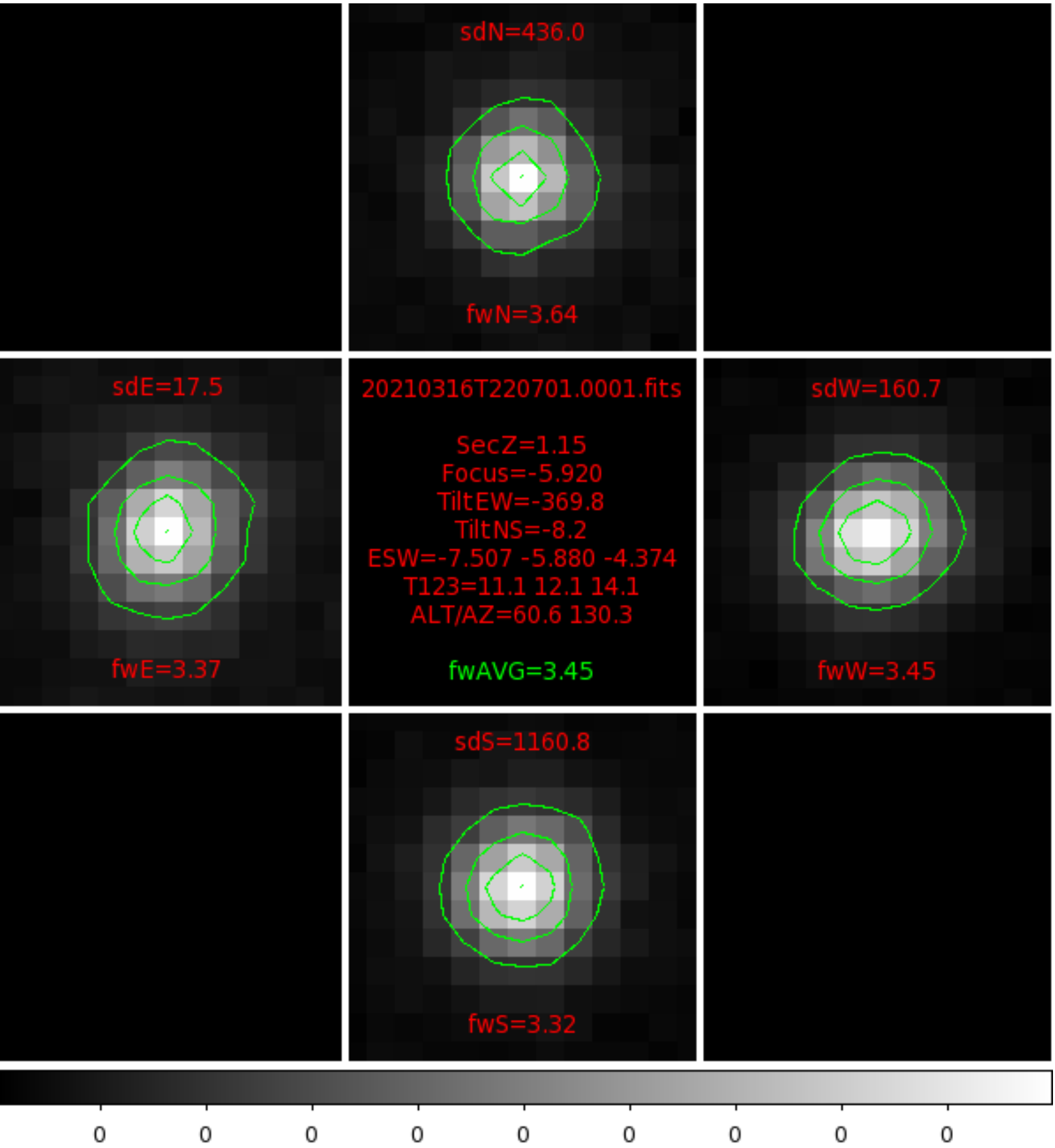
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SecZ=1.15
Focus=-5.920
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.507 -5.880 -4.374
T123=11.1 12.1 14.1
ALT/AZ=60.6 130.3
fwAVG=3.45
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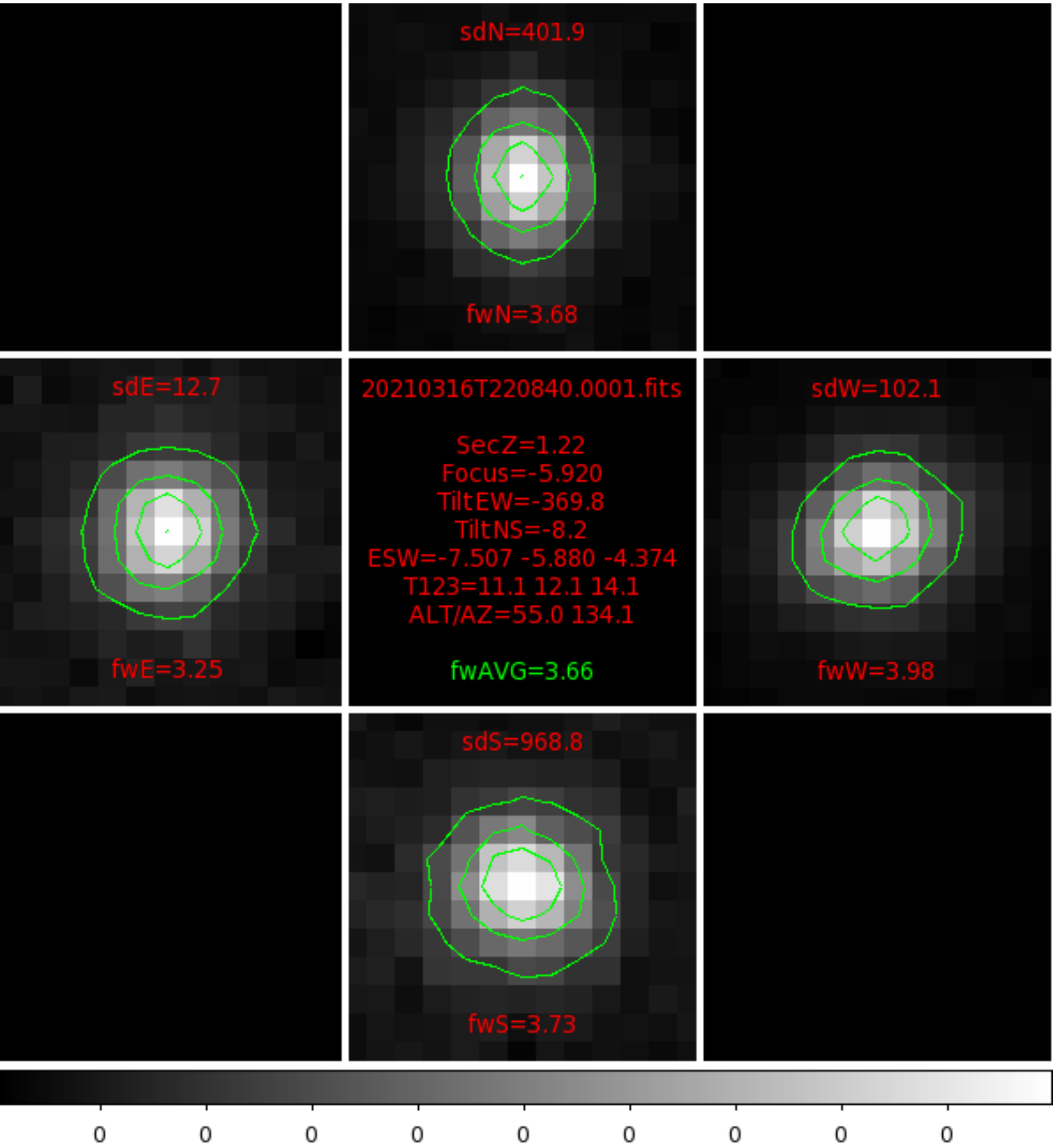
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20210316T220840.0001.fits
SecZ=1.22
Focus=-5.920
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.507 -5.880 -4.374
T123=11.1 12.1 14.1
ALT/AZ=55.0 134.1
fwAVG=3.66
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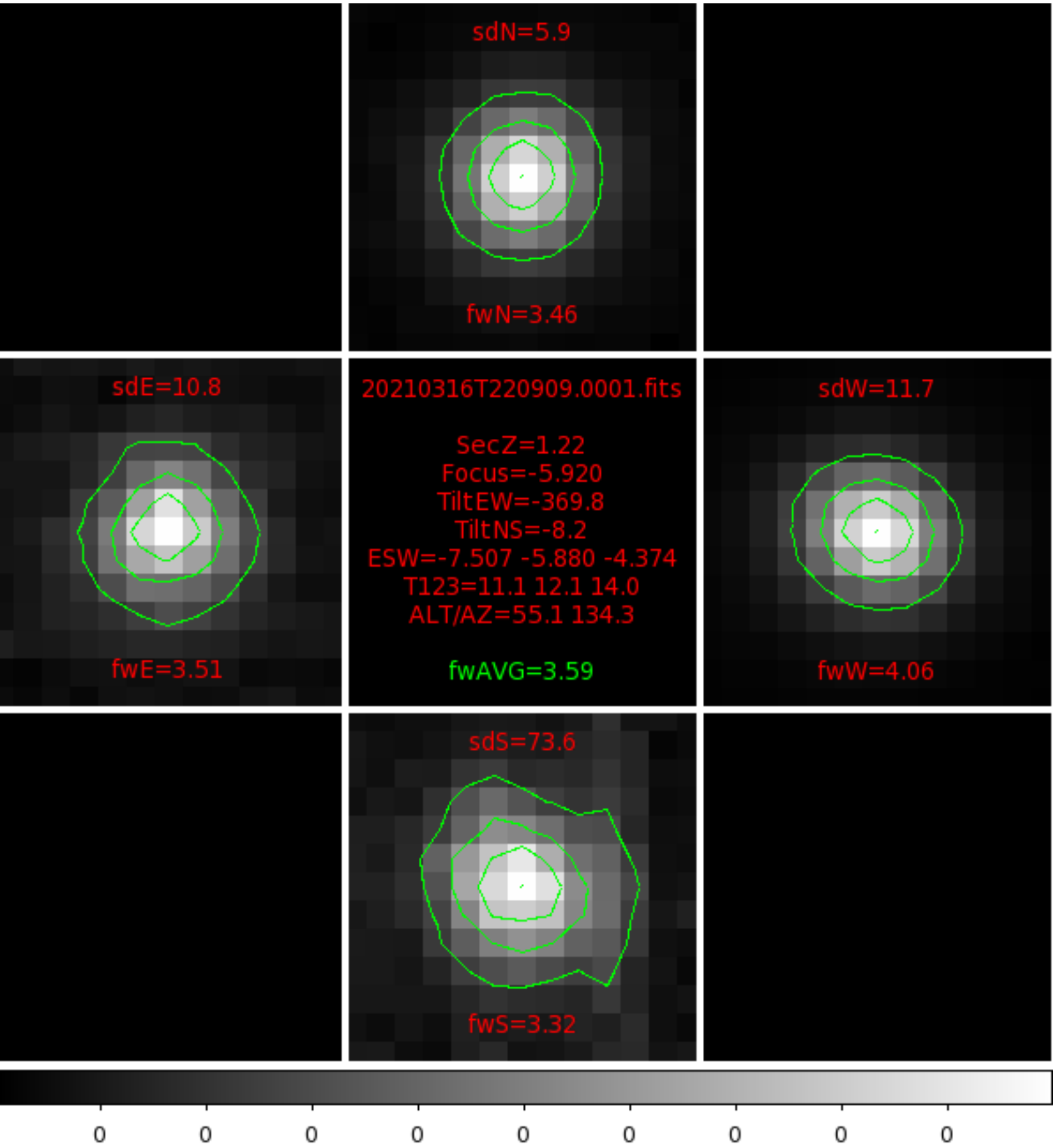
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20210316T220909.0001.fits
SecZ=1.22
Focus=-5.920
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.507 -5.880 -4.374
T123=11.1 12.1 14.0
ALT/AZ=55.1 134.3
fwAVG=3.59
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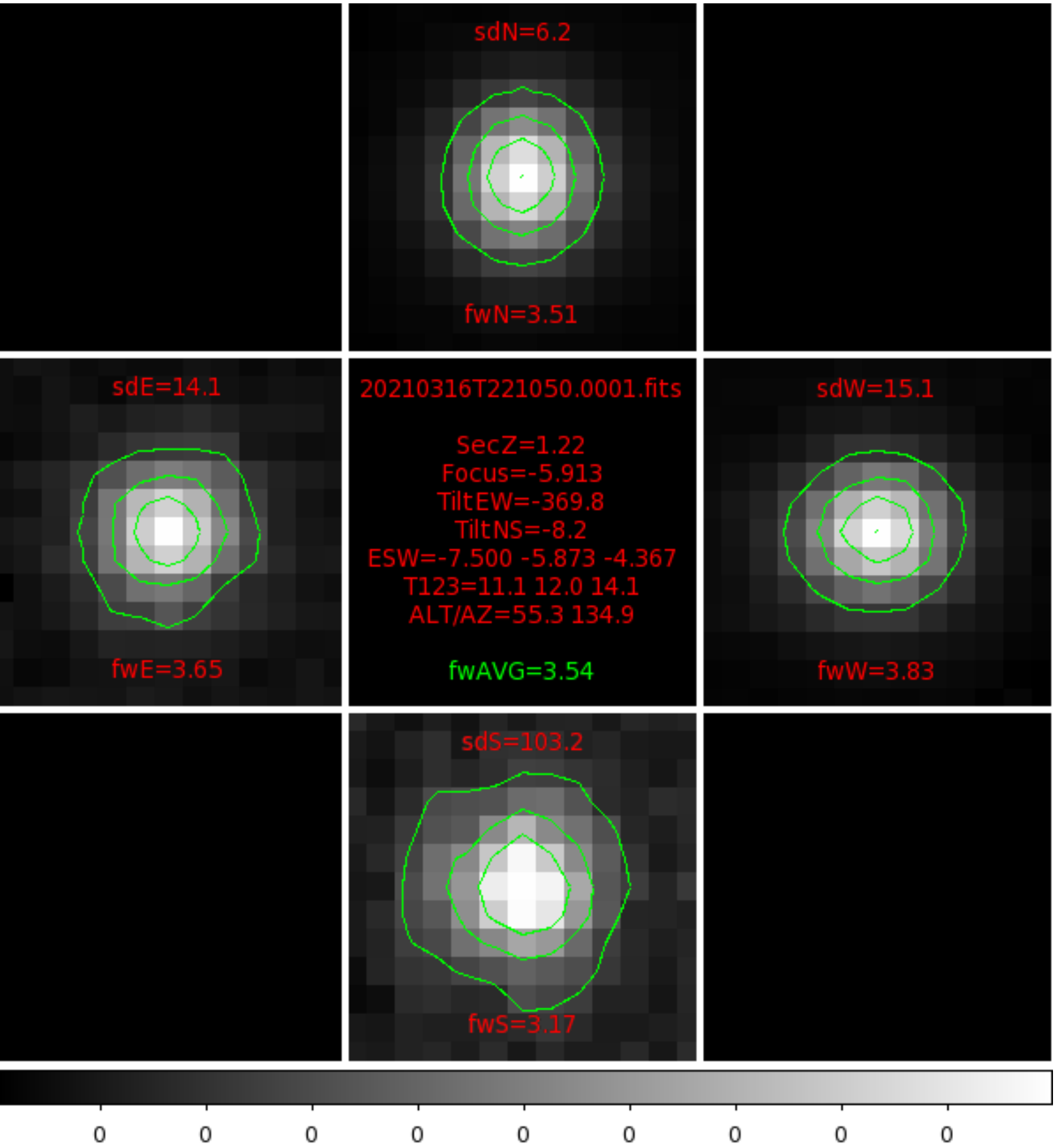
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sdE=14.1
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SecZ=1.22
Focus=-5.913
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.500 -5.873 -4.367
T123=11.1 12.0 14.1
ALT/AZ=55.3 134.9
fwAVG=3.54
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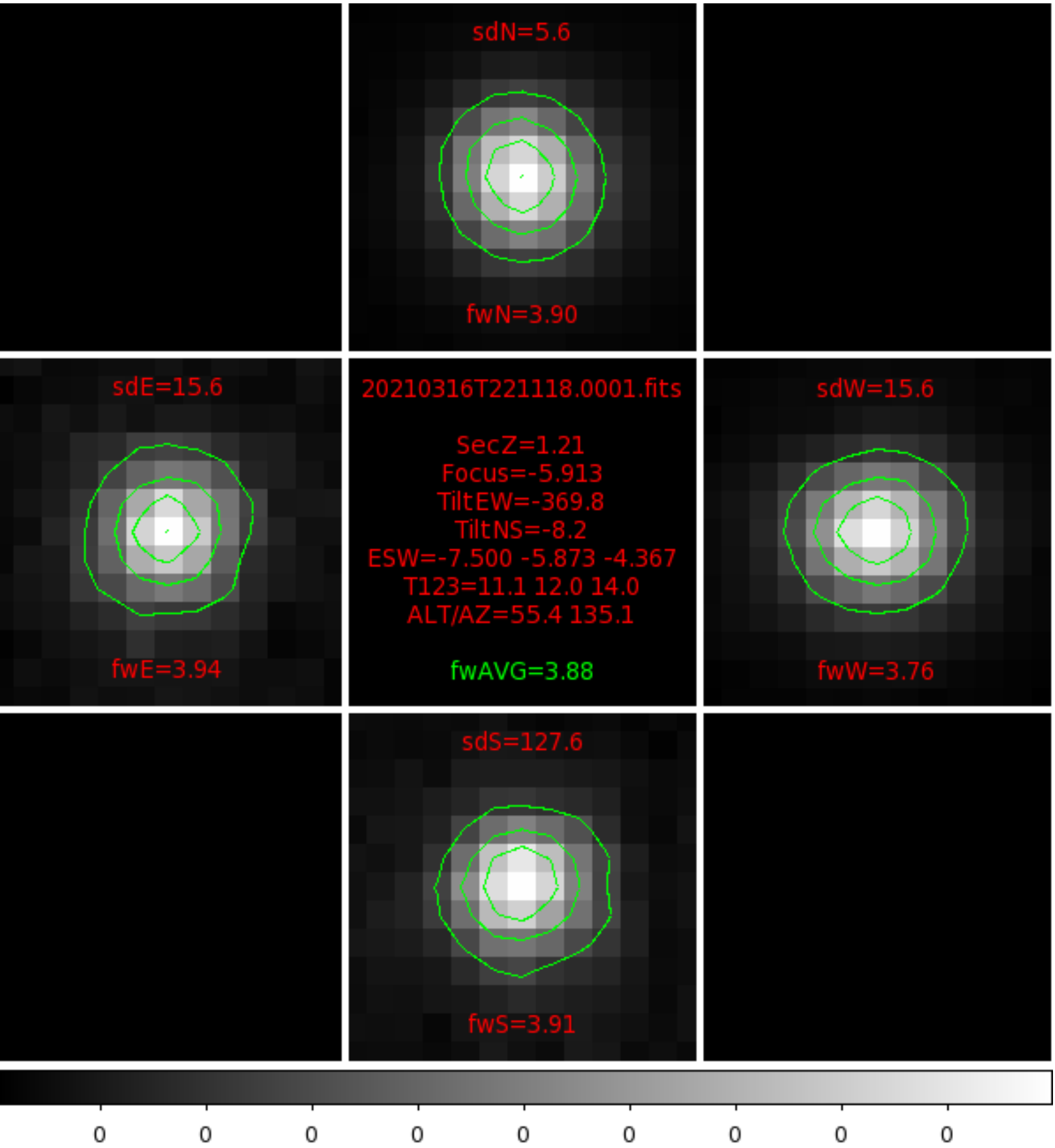
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20210316T221118.0001.fits
SecZ=1.21
Focus=-5.913
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.500 -5.873 -4.367
T123=11.1 12.0 14.0
ALT/AZ=55.4 135.1
fwAVG=3.88
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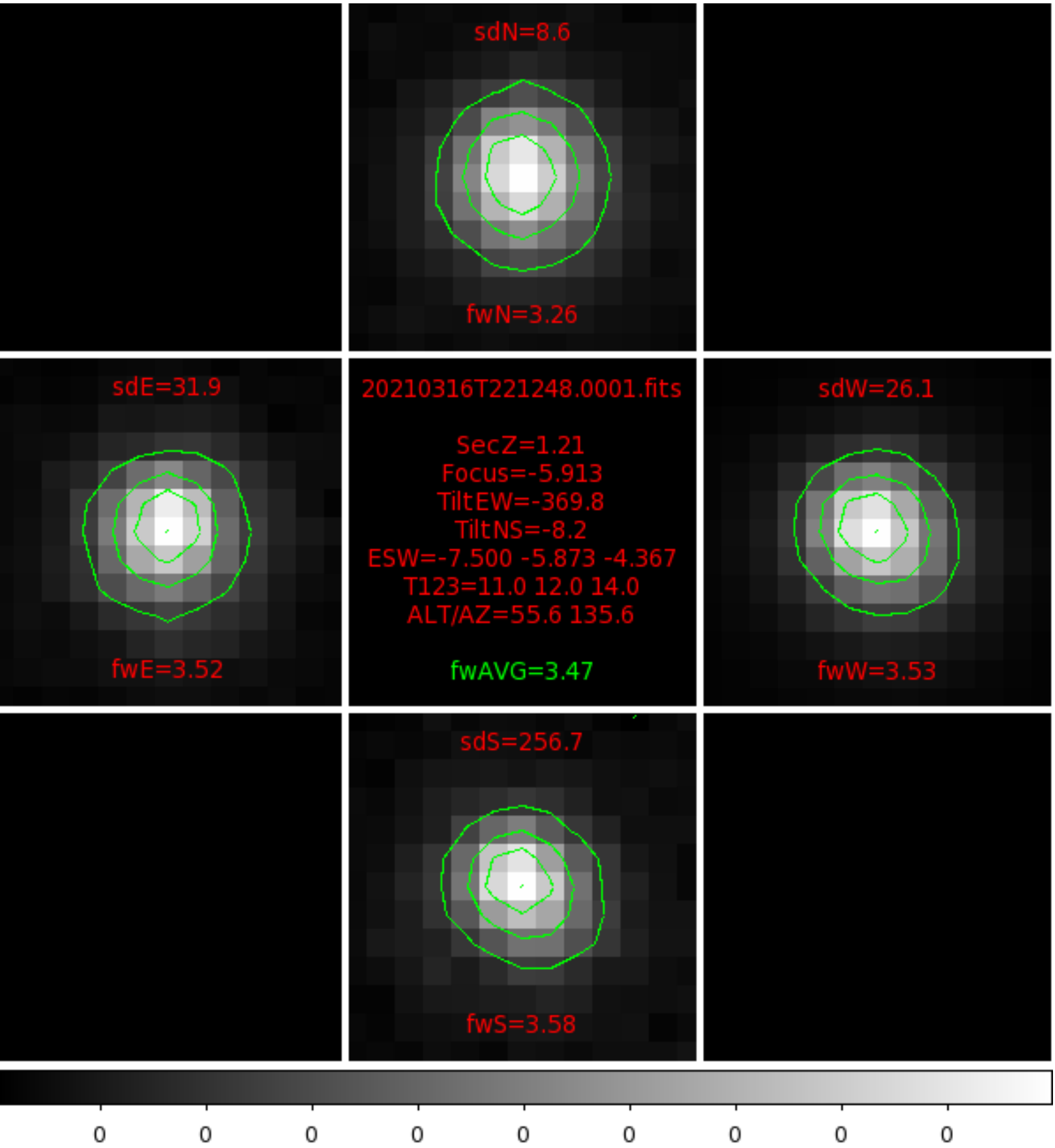
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.500 -5.873 -4.367
T123=11.0 12.0 14.0
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fwAVG=3.47
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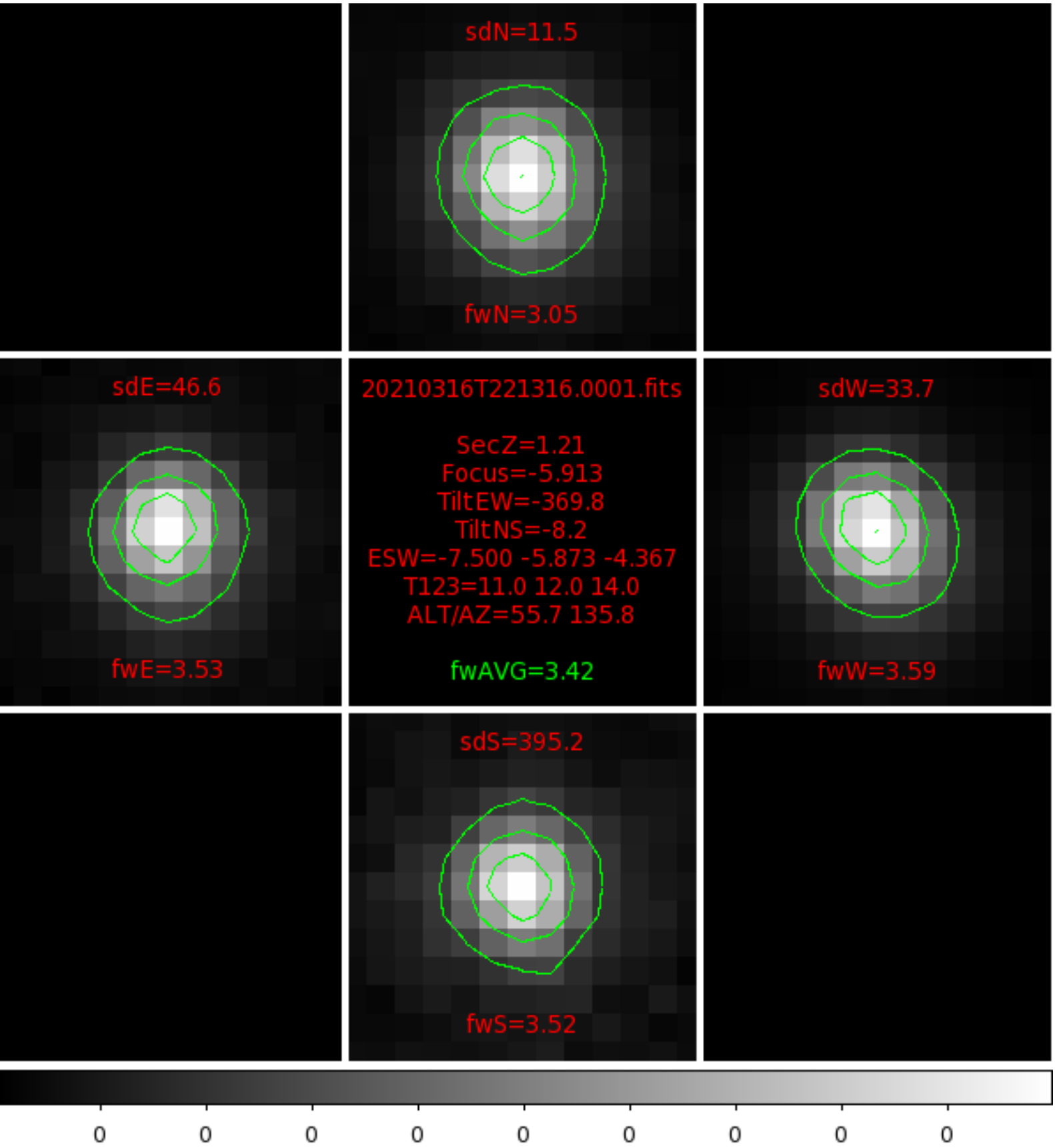
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T123=11.0 12.0 14.0
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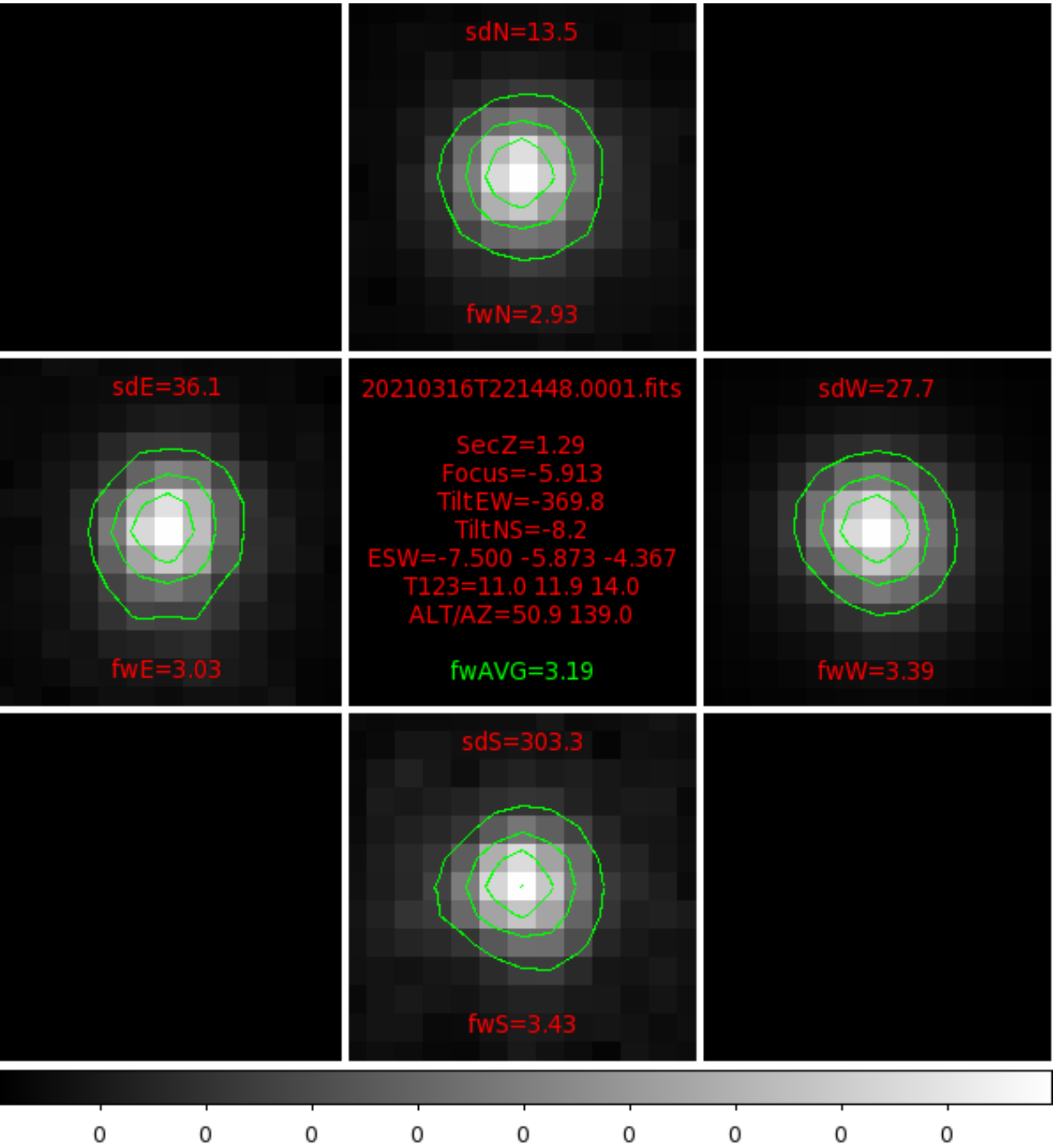
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ESW=-7.500 -5.873 -4.367
T123=11.0 11.9 14.0
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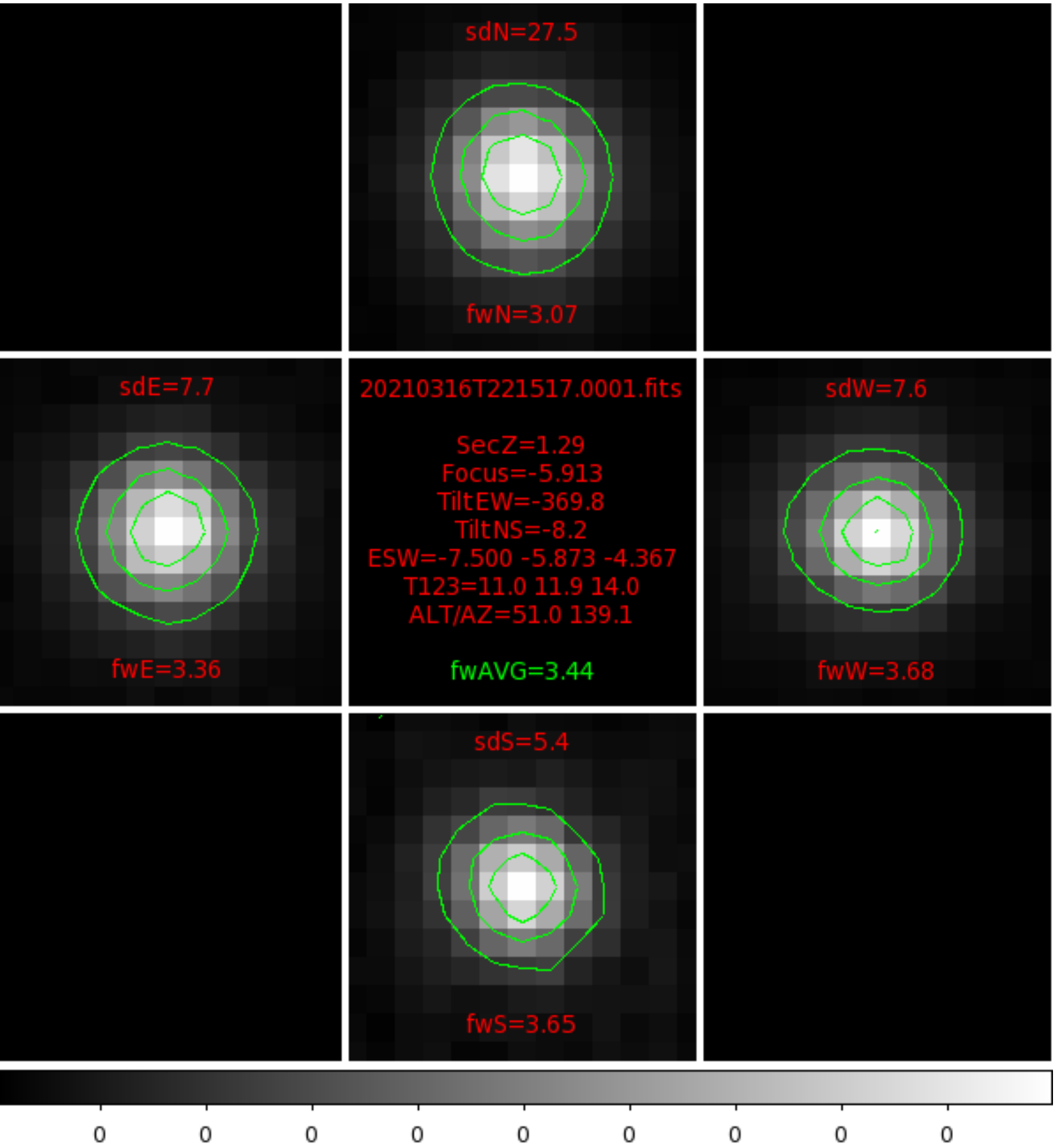
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.500 -5.873 -4.367
T123=11.0 11.9 14.0
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fwAVG=3.44
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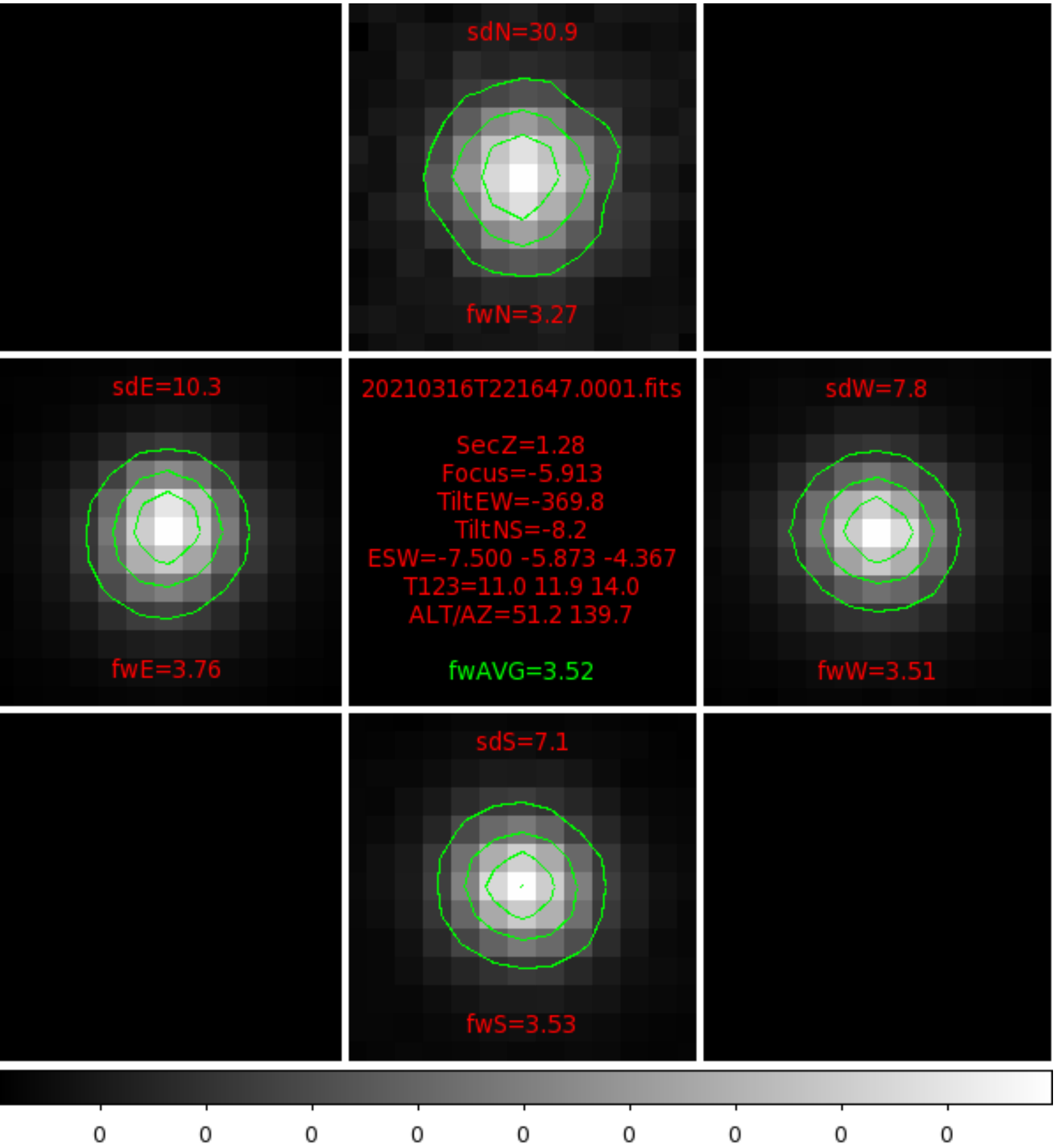
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Focus=-5.913
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TiltNS=-8.2
ESW=-7.500 -5.873 -4.367
T123=11.0 11.9 14.0
ALT/AZ=51.2 139.7
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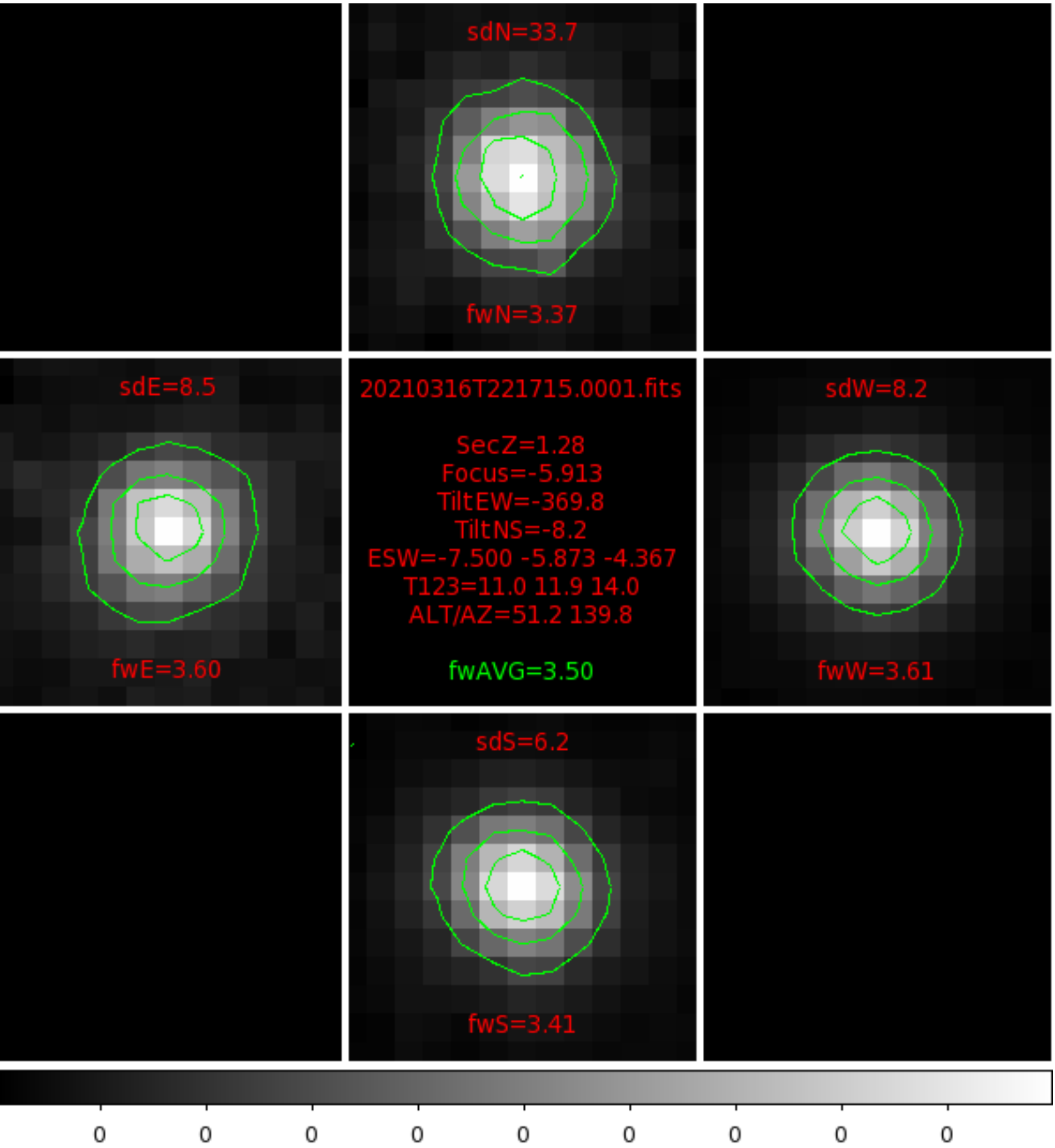
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SecZ=1.28
Focus=-5.913
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.500 -5.873 -4.367
T123=11.0 11.9 14.0
ALT/AZ=51.2 139.8
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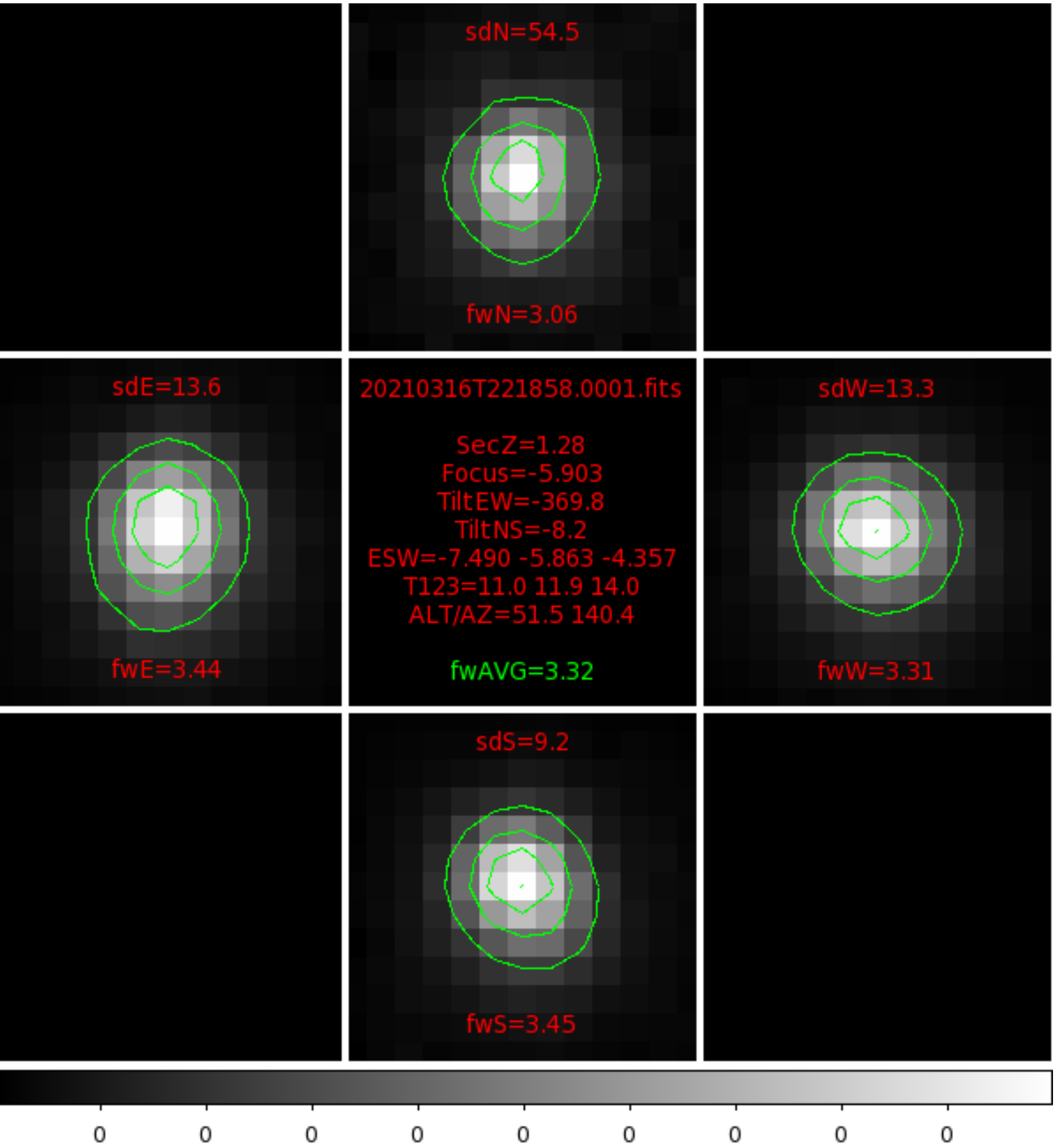
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Focus=-5.903
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.490 -5.863 -4.357
T123=11.0 11.9 14.0
ALT/AZ=51.5 140.4
fwAVG=3.32
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sdS=9.2
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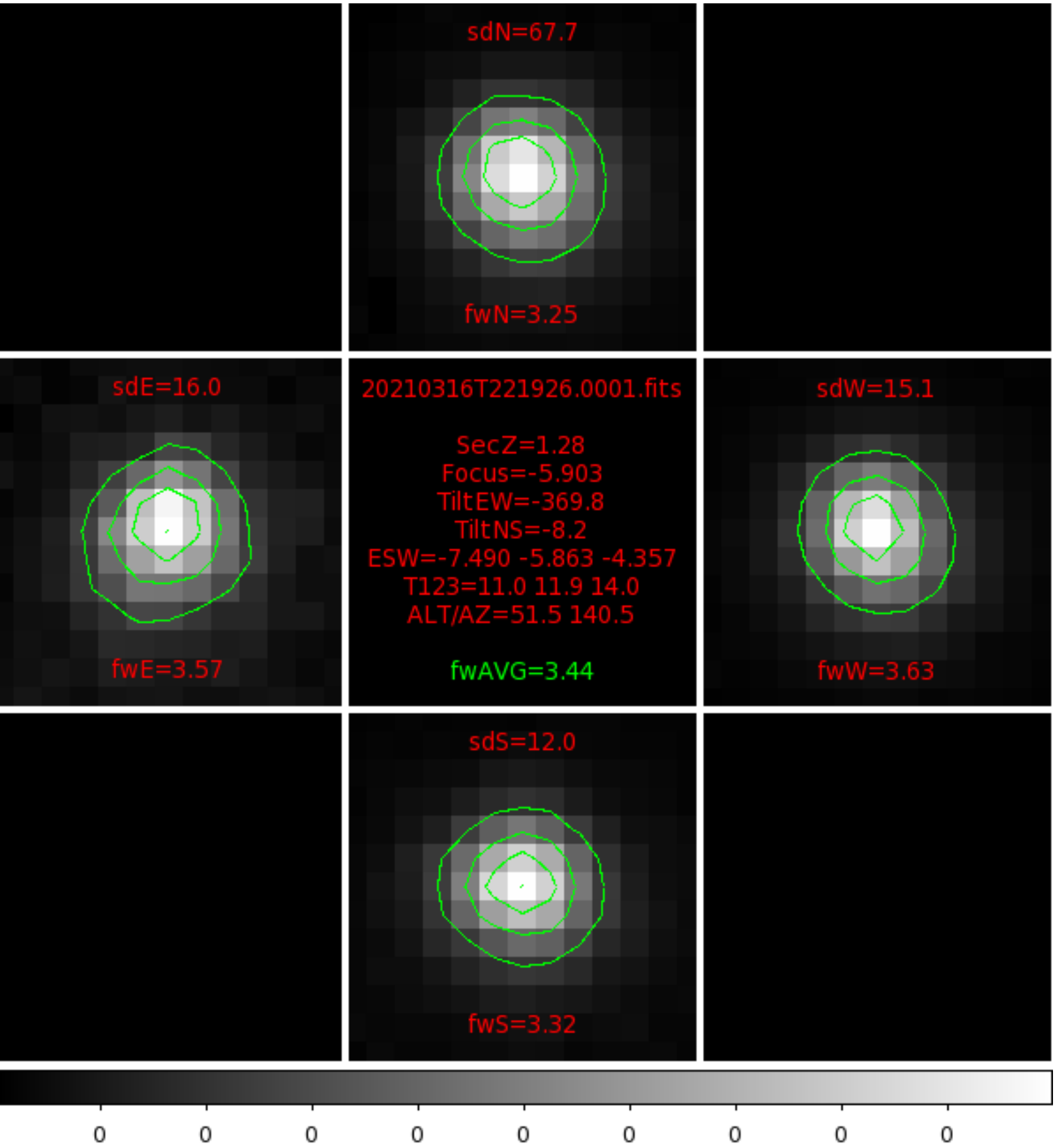
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SecZ=1.28
Focus=-5.903
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.490 -5.863 -4.357
T123=11.0 11.9 14.0
ALT/AZ=51.5 140.5
fwAVG=3.44
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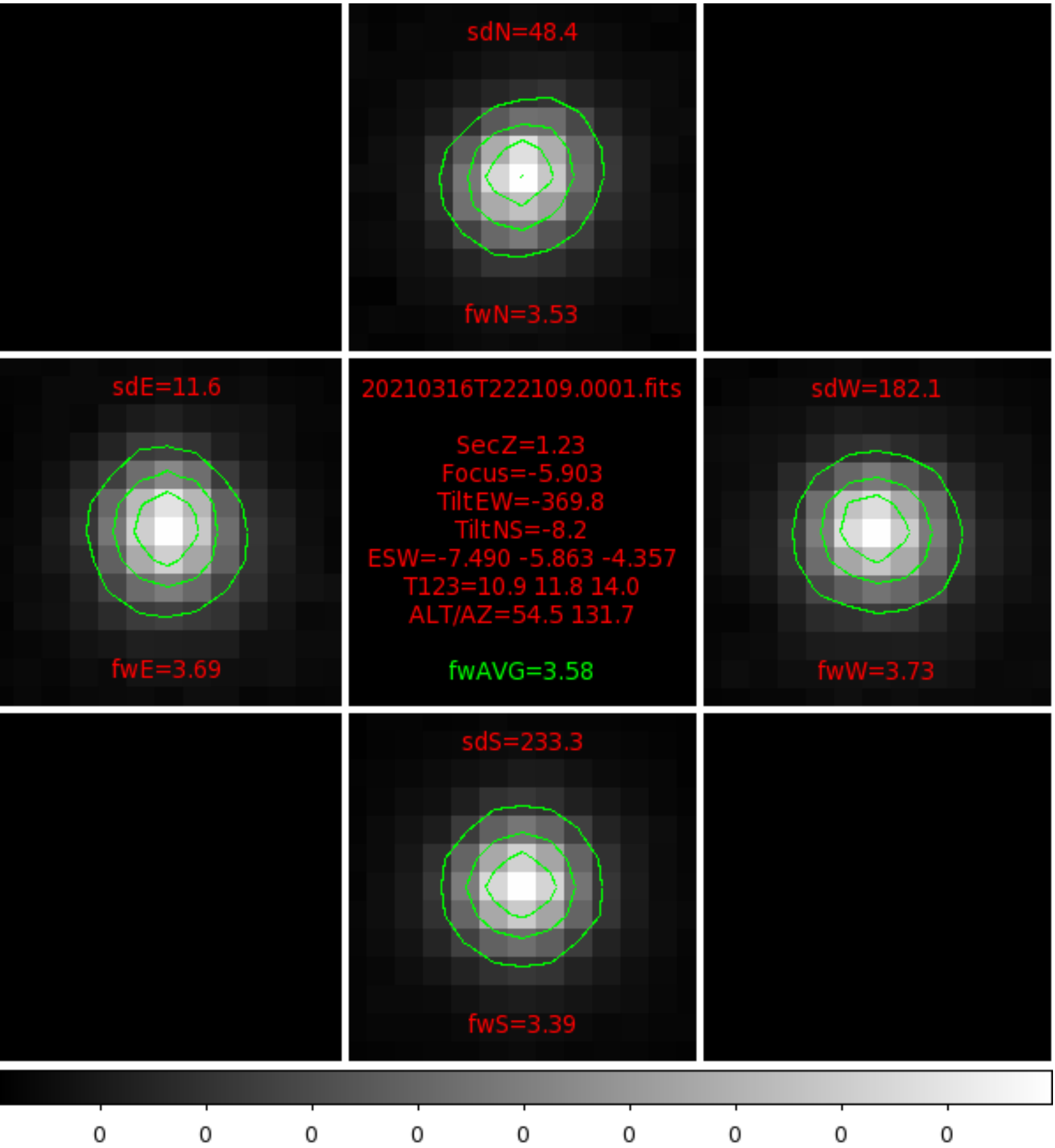
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.490 -5.863 -4.357
T123=10.9 11.8 14.0
ALT/AZ=54.5 131.7
fwAVG=3.58
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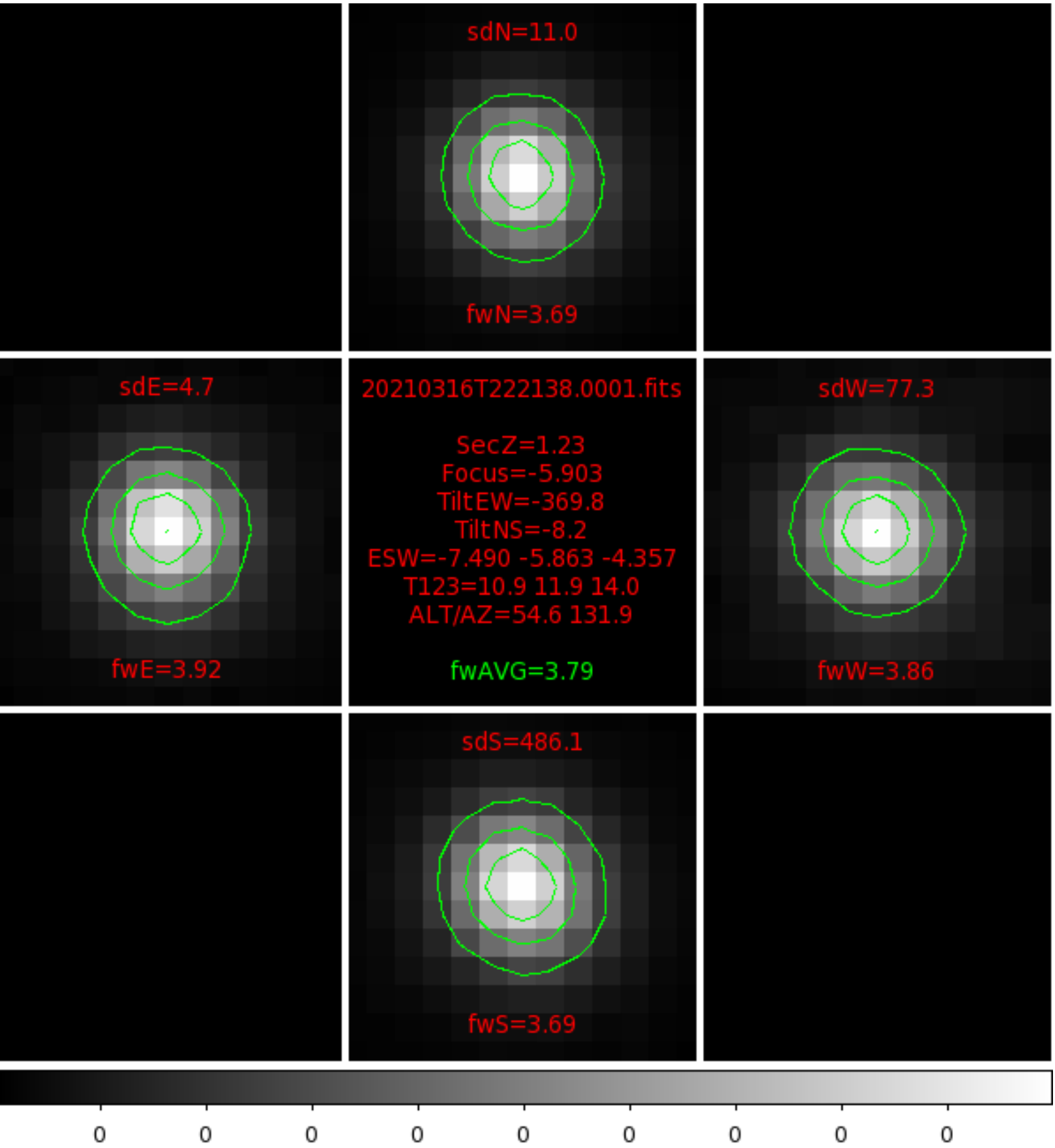
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SecZ=1.23
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TiltNS=-8.2
ESW=-7.490 -5.863 -4.357
T123=10.9 11.9 14.0
ALT/AZ=54.6 131.9
fwAVG=3.79
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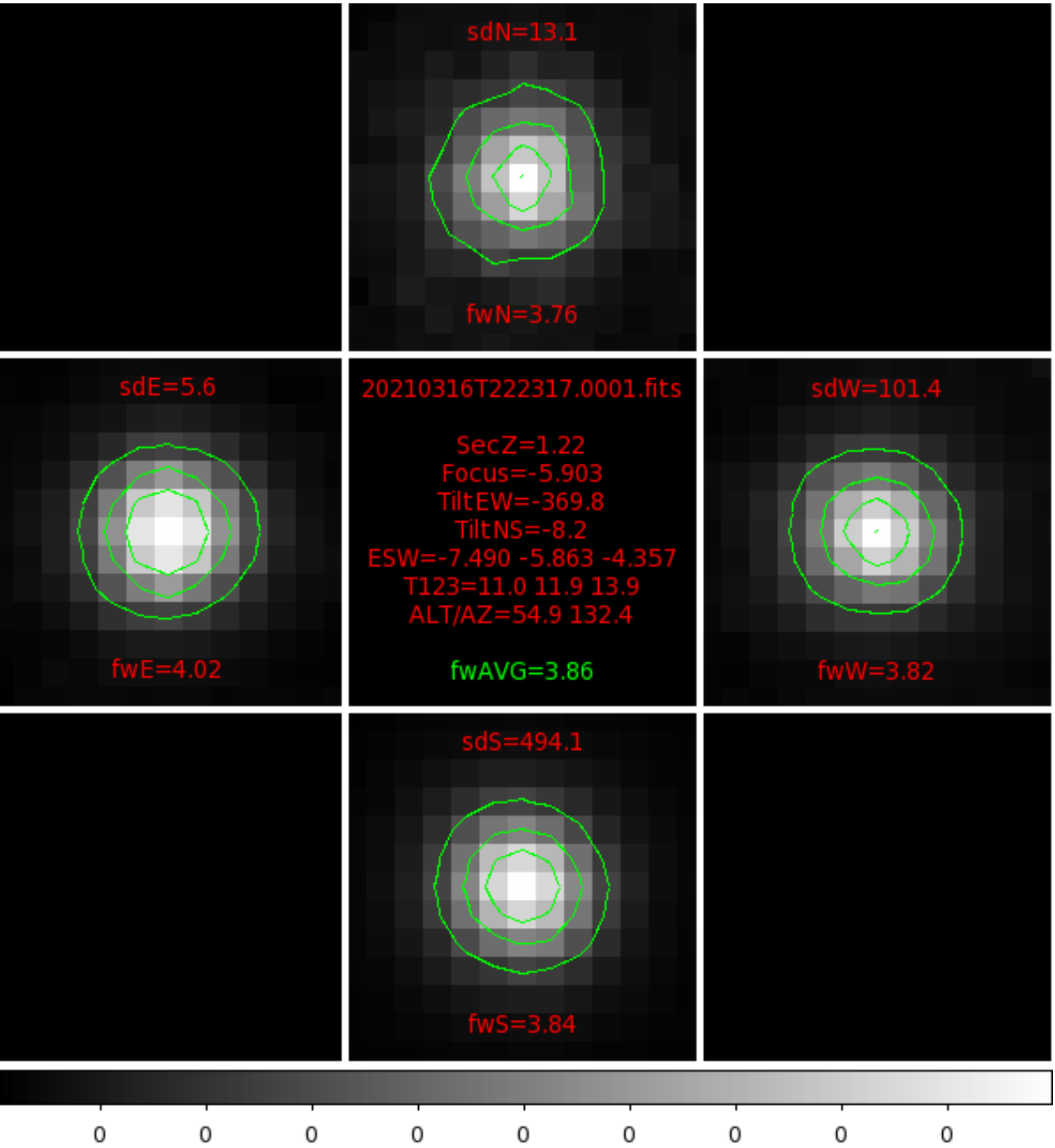
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Focus=-5.903
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.490 -5.863 -4.357
T123=11.0 11.9 13.9
ALT/AZ=54.9 132.4
fwAVG=3.86
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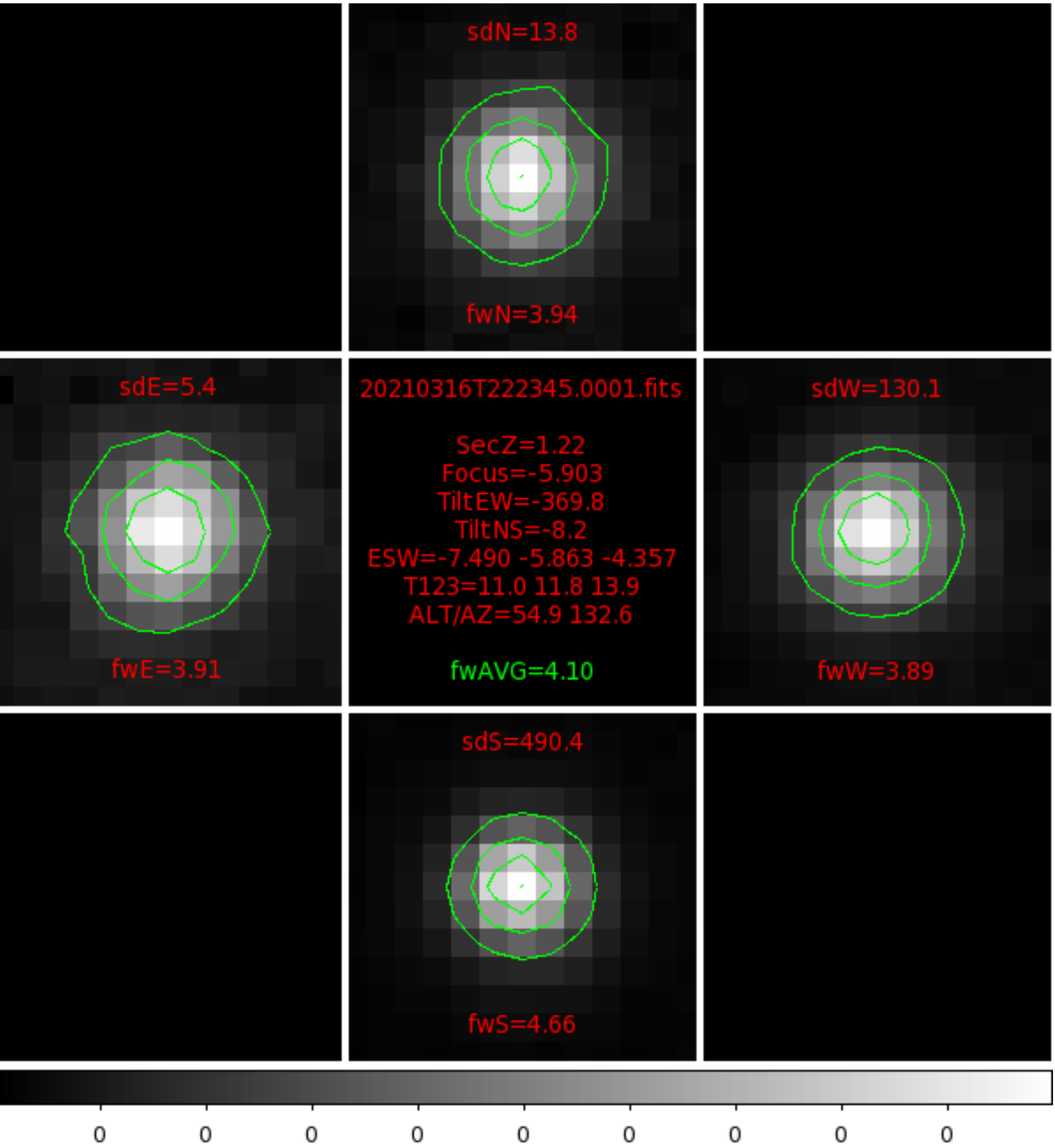
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SecZ=1.22
Focus=-5.903
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.490 -5.863 -4.357
T123=11.0 11.8 13.9
ALT/AZ=54.9 132.6
fwAVG=4.10
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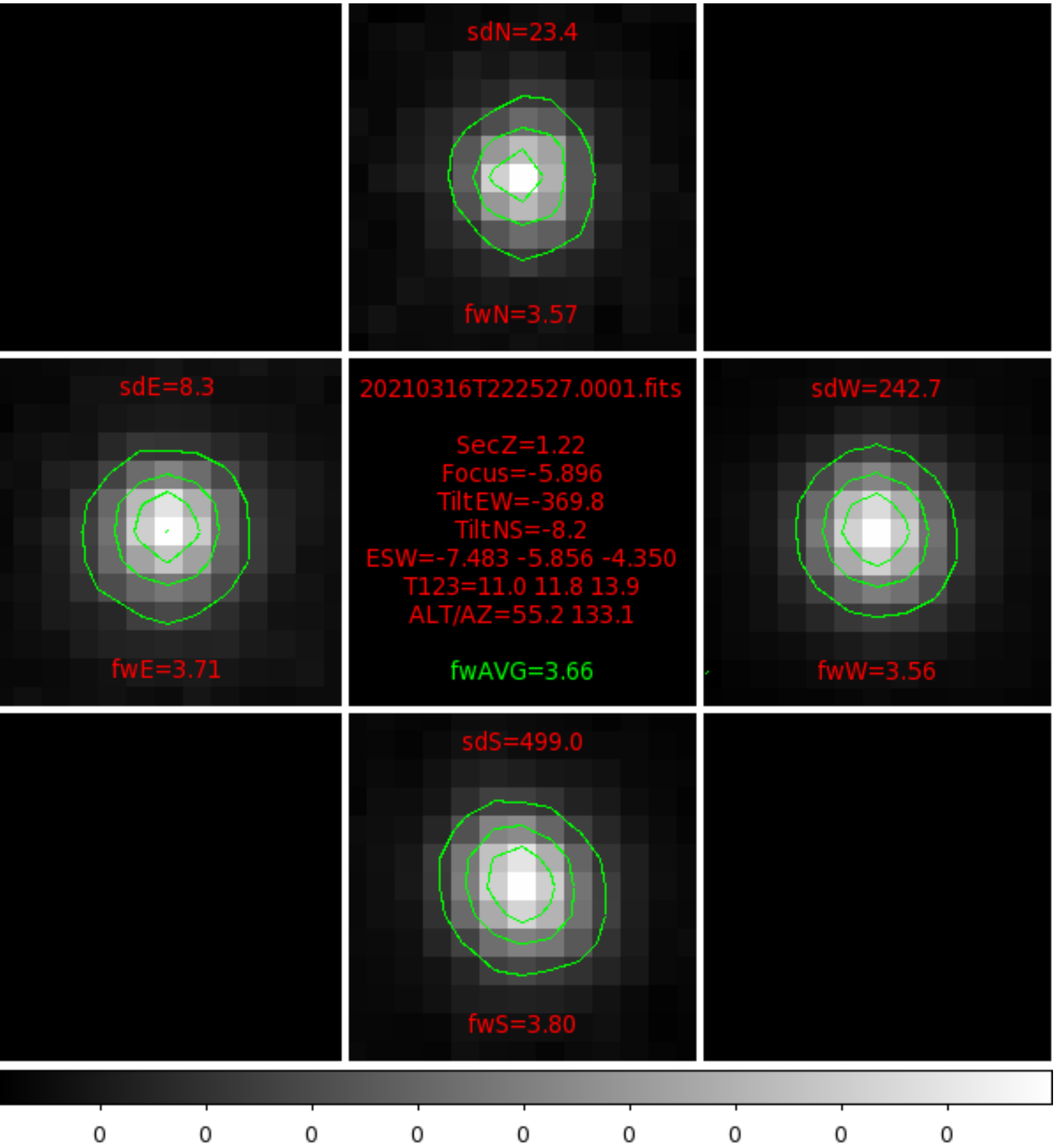
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.483 -5.856 -4.350
T123=11.0 11.8 13.9
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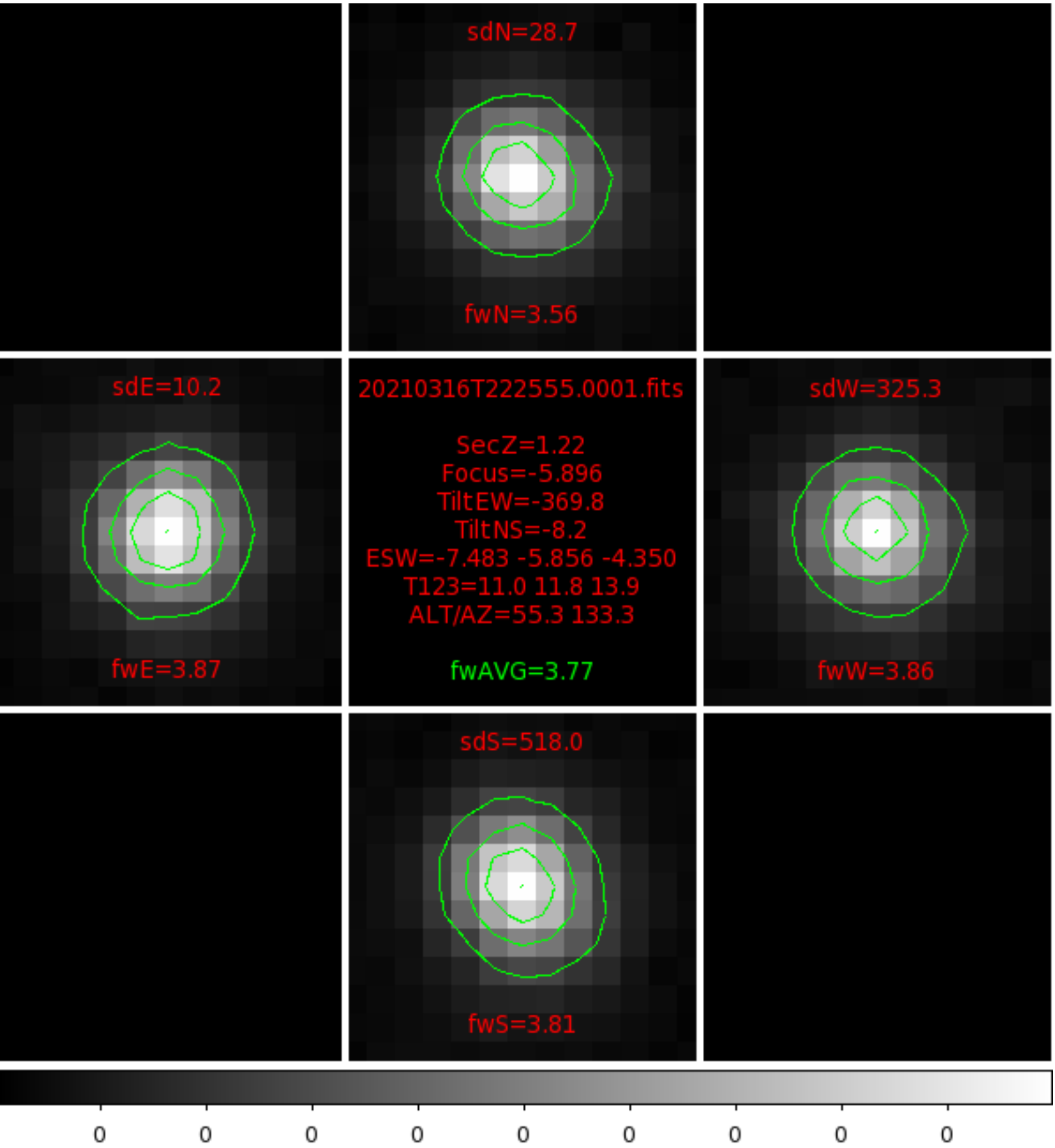
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SecZ=1.22
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.483 -5.856 -4.350
T123=11.0 11.8 13.9
ALT/AZ=55.3 133.3
fwAVG=3.77
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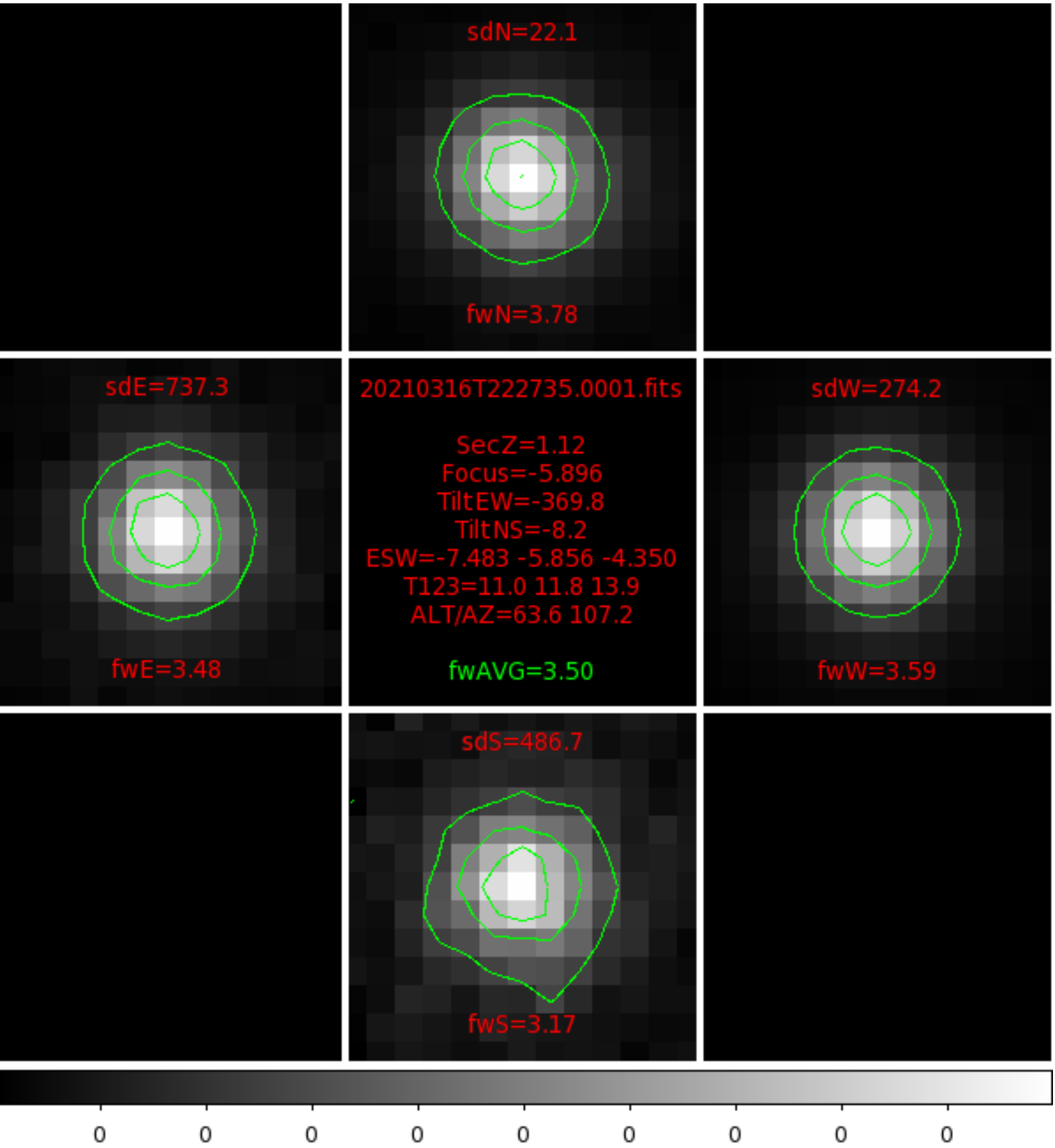
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TiltNS=-8.2
ESW=-7.483 -5.856 -4.350
T123=11.0 11.8 13.9
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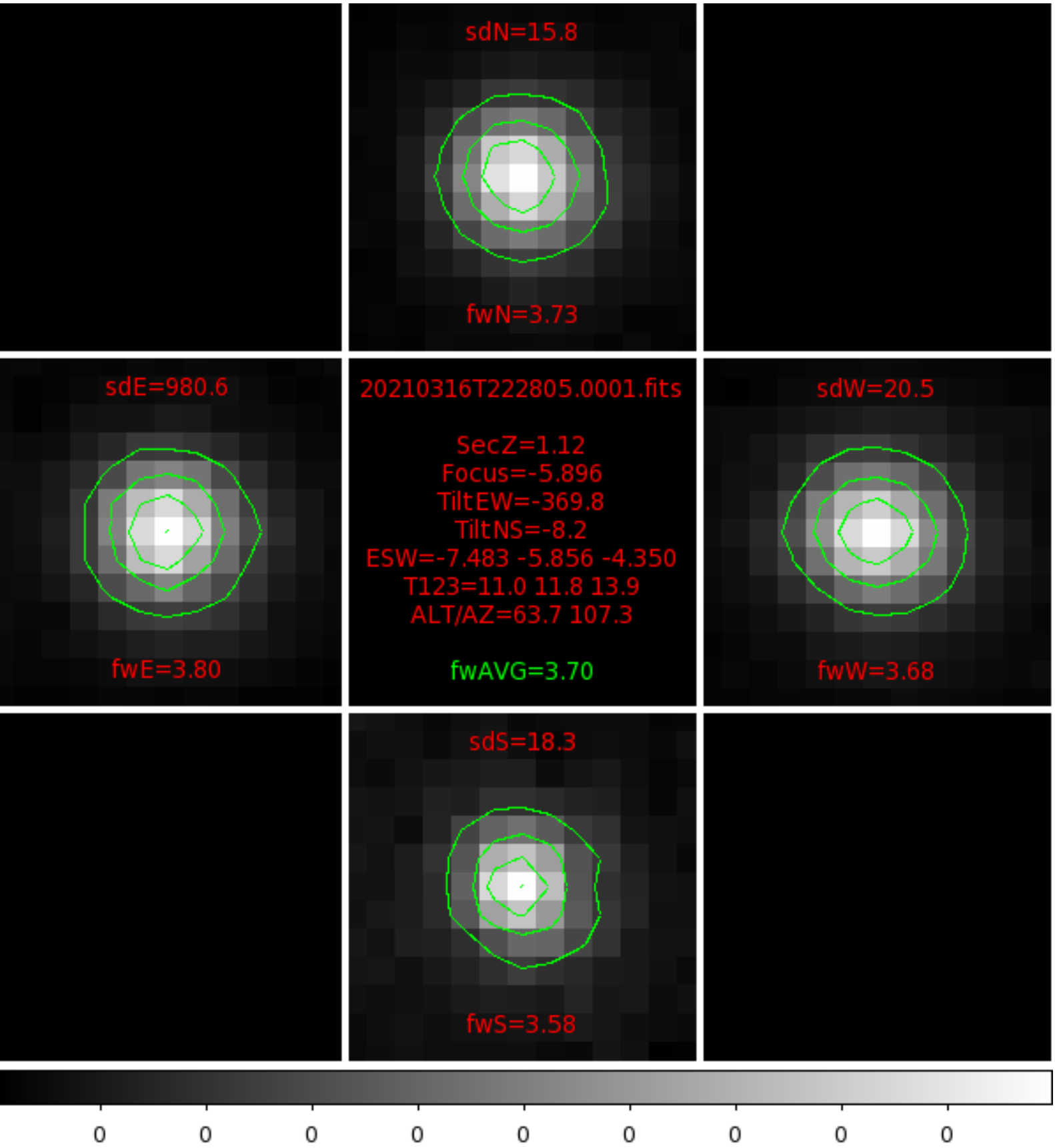
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SecZ=1.12
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TiltEW=-369.8
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ESW=-7.483 -5.856 -4.350
T123=11.0 11.8 13.9
ALT/AZ=63.7 107.3
fwAVG=3.70
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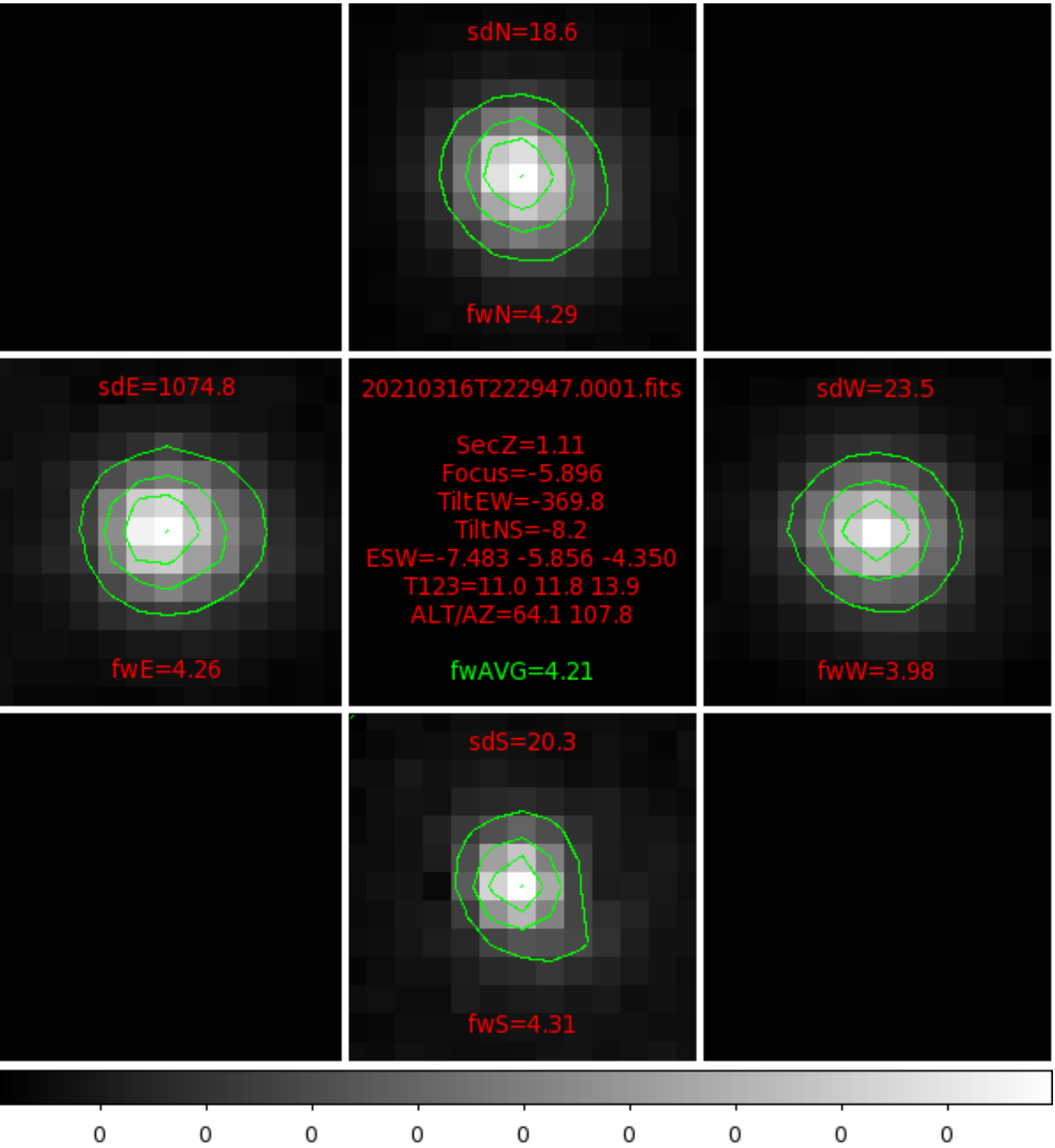
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TiltEW=-369.8
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ESW=-7.483 -5.856 -4.350
T123=11.0 11.8 13.9
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fwAVG=4.21
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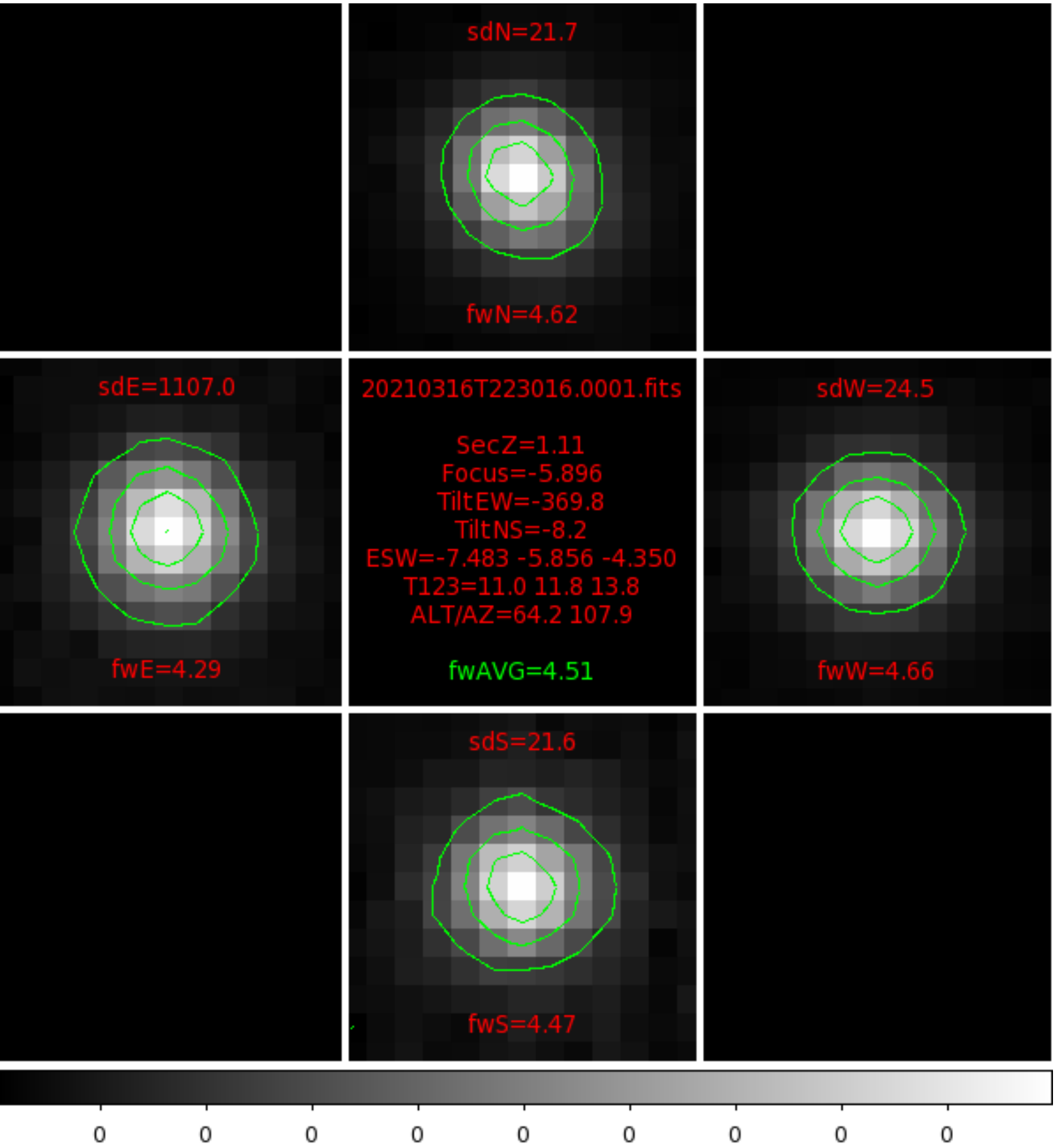
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T123=11.0 11.8 13.8
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fwAVG=4.51
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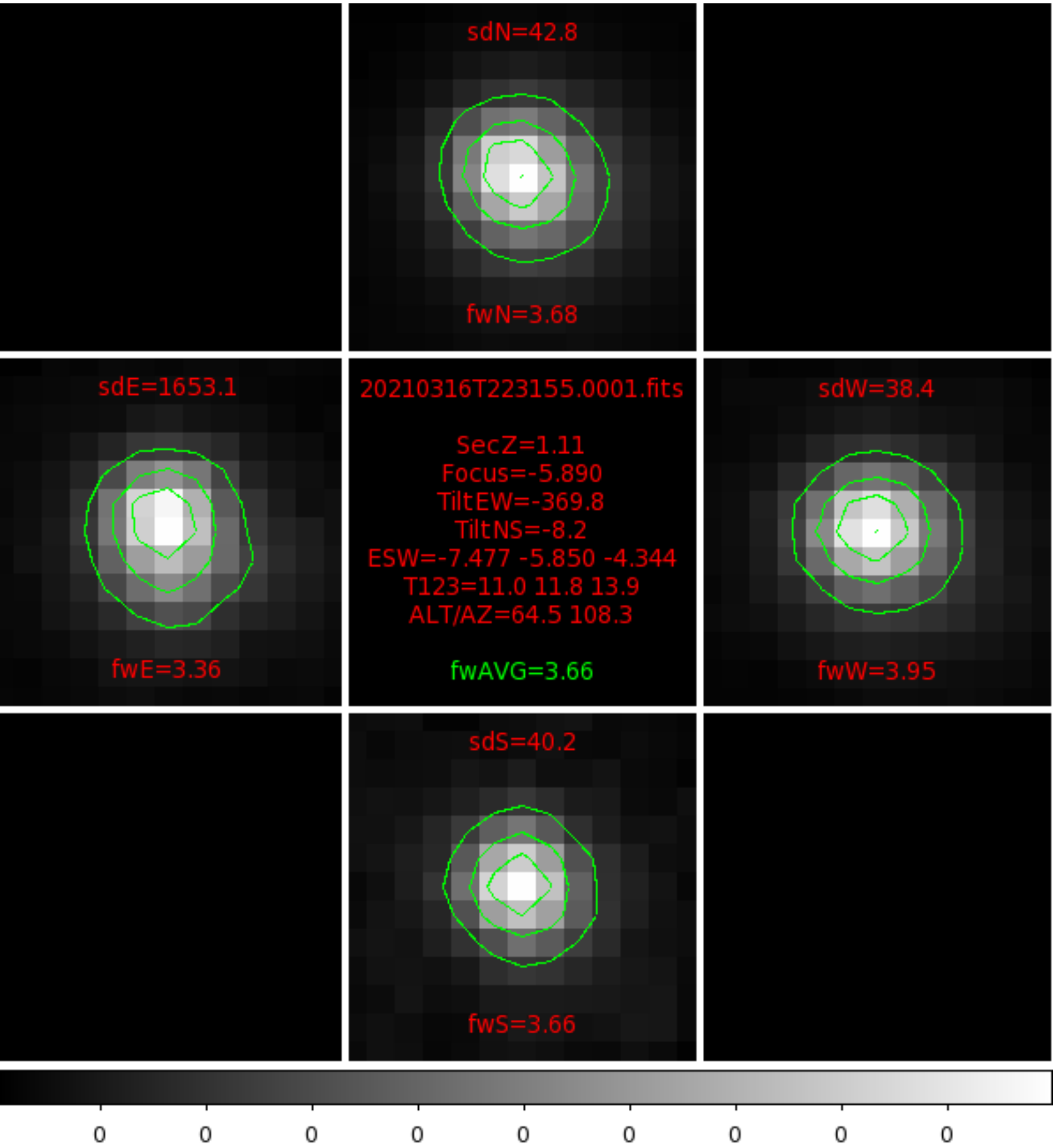
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SecZ=1.11
Focus=-5.890
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.477 -5.850 -4.344
T123=11.0 11.8 13.9
ALT/AZ=64.5 108.3
fwAVG=3.66
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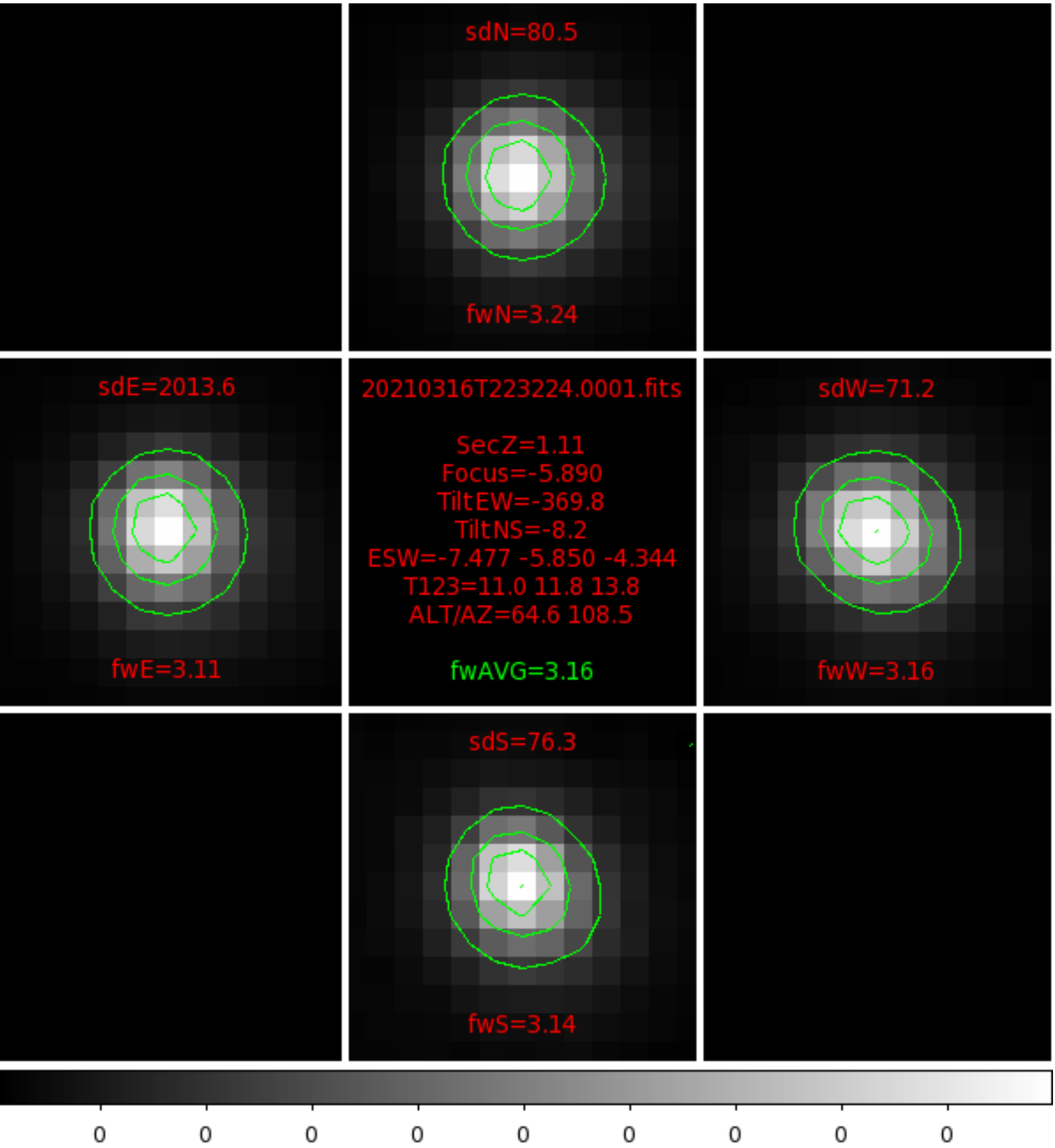
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SecZ=1.11
Focus=-5.890
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.477 -5.850 -4.344
T123=11.0 11.8 13.8
ALT/AZ=64.6 108.5
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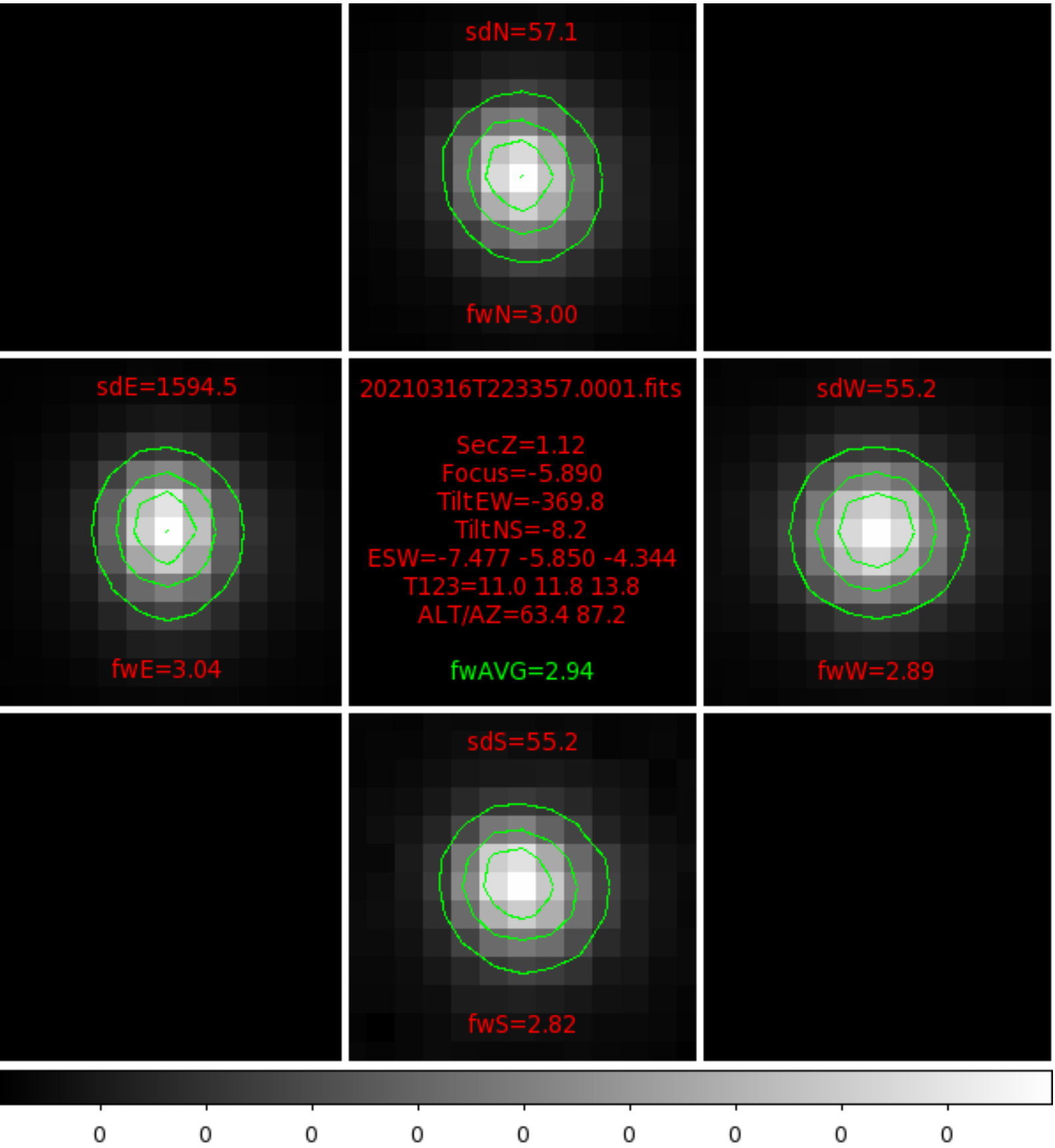
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SecZ=1.12
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TiltNS=-8.2
ESW=-7.477 -5.850 -4.344
T123=11.0 11.8 13.8
ALT/AZ=63.4 87.2
fwAVG=2.94
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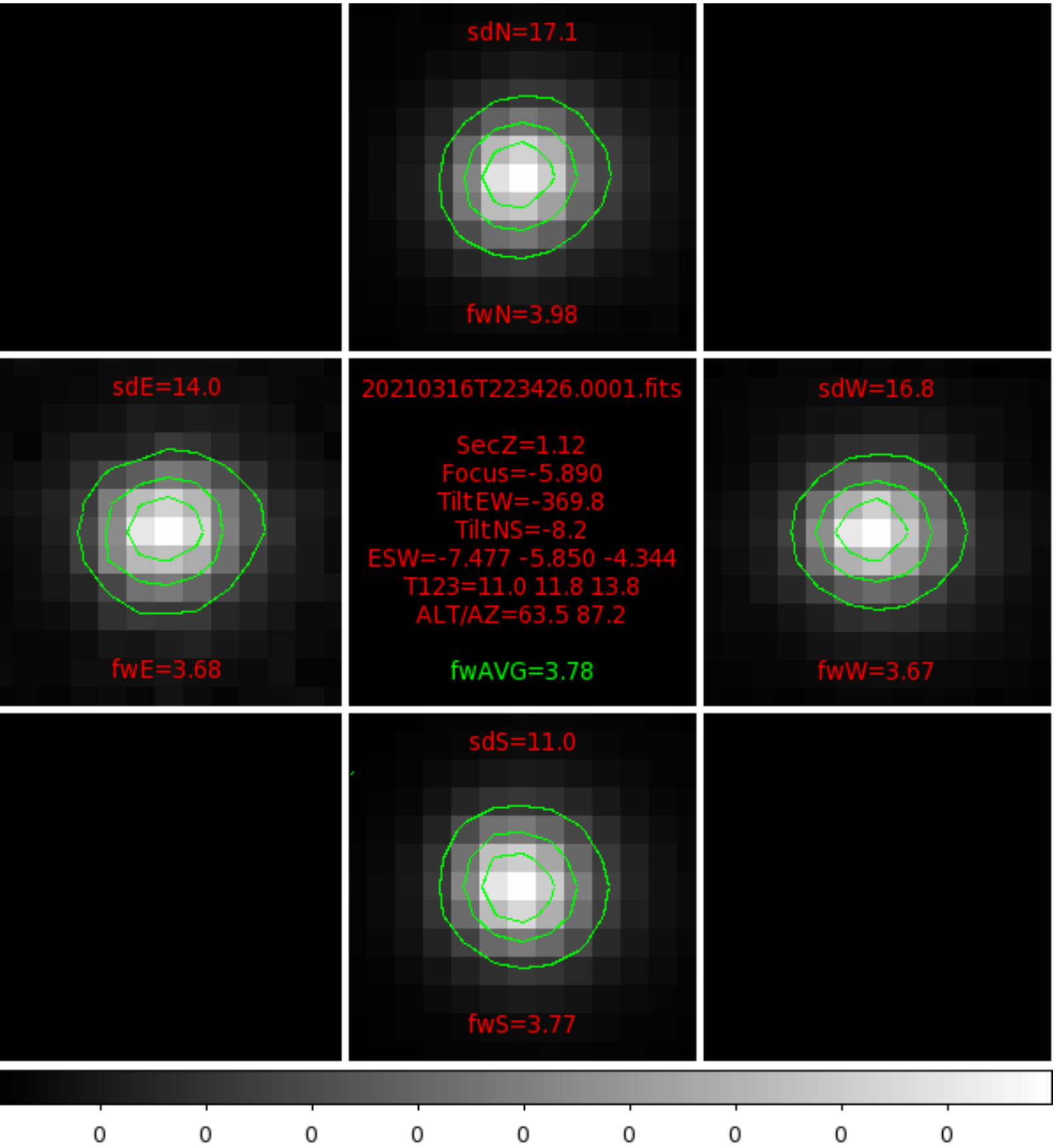
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SecZ=1.12
Focus=-5.890
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.477 -5.850 -4.344
T123=11.0 11.8 13.8
ALT/AZ=63.5 87.2
fwAVG=3.78
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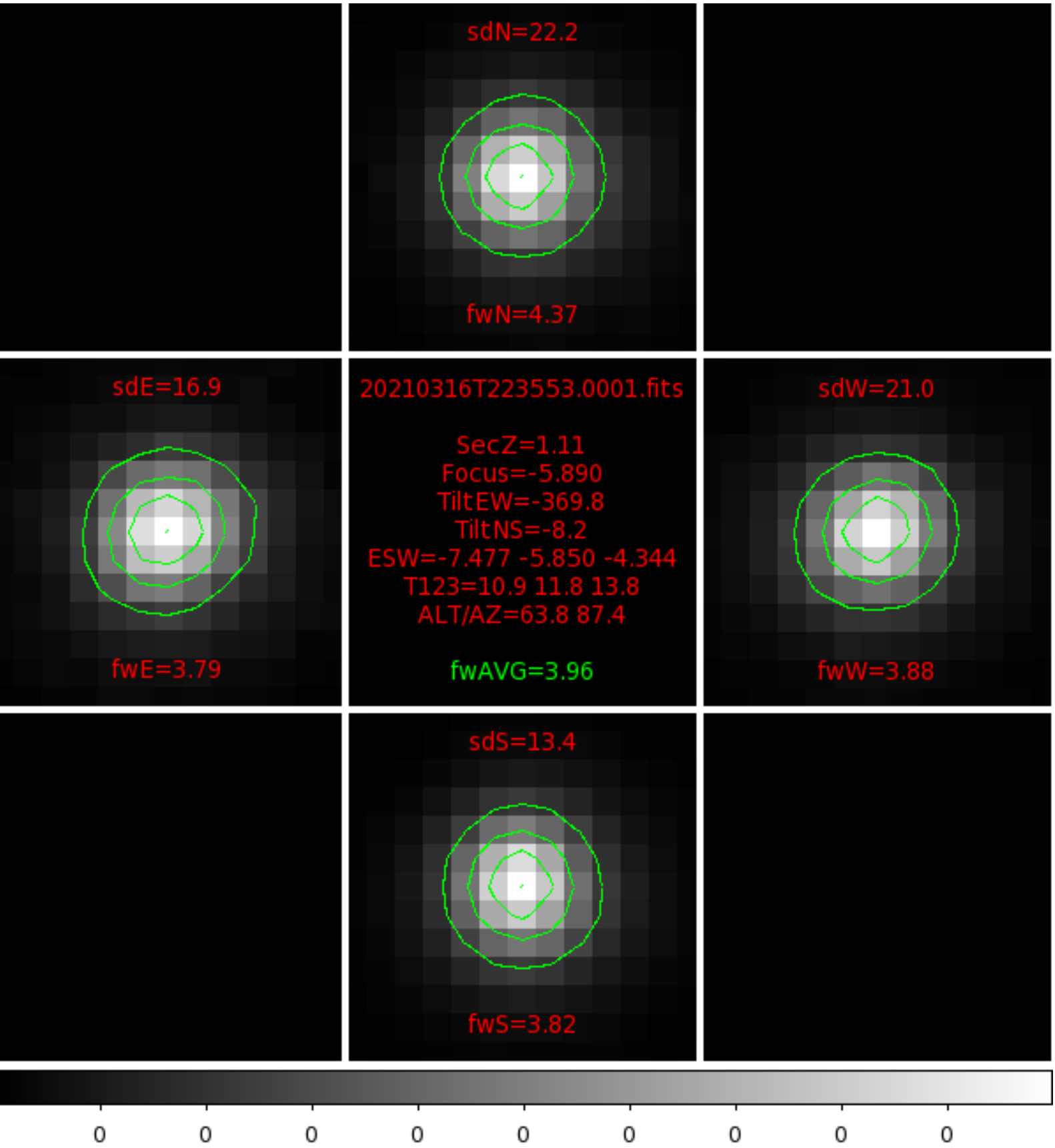
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TiltNS=-8.2
ESW=-7.477 -5.850 -4.344
T123=10.9 11.8 13.8
ALT/AZ=63.8 87.4
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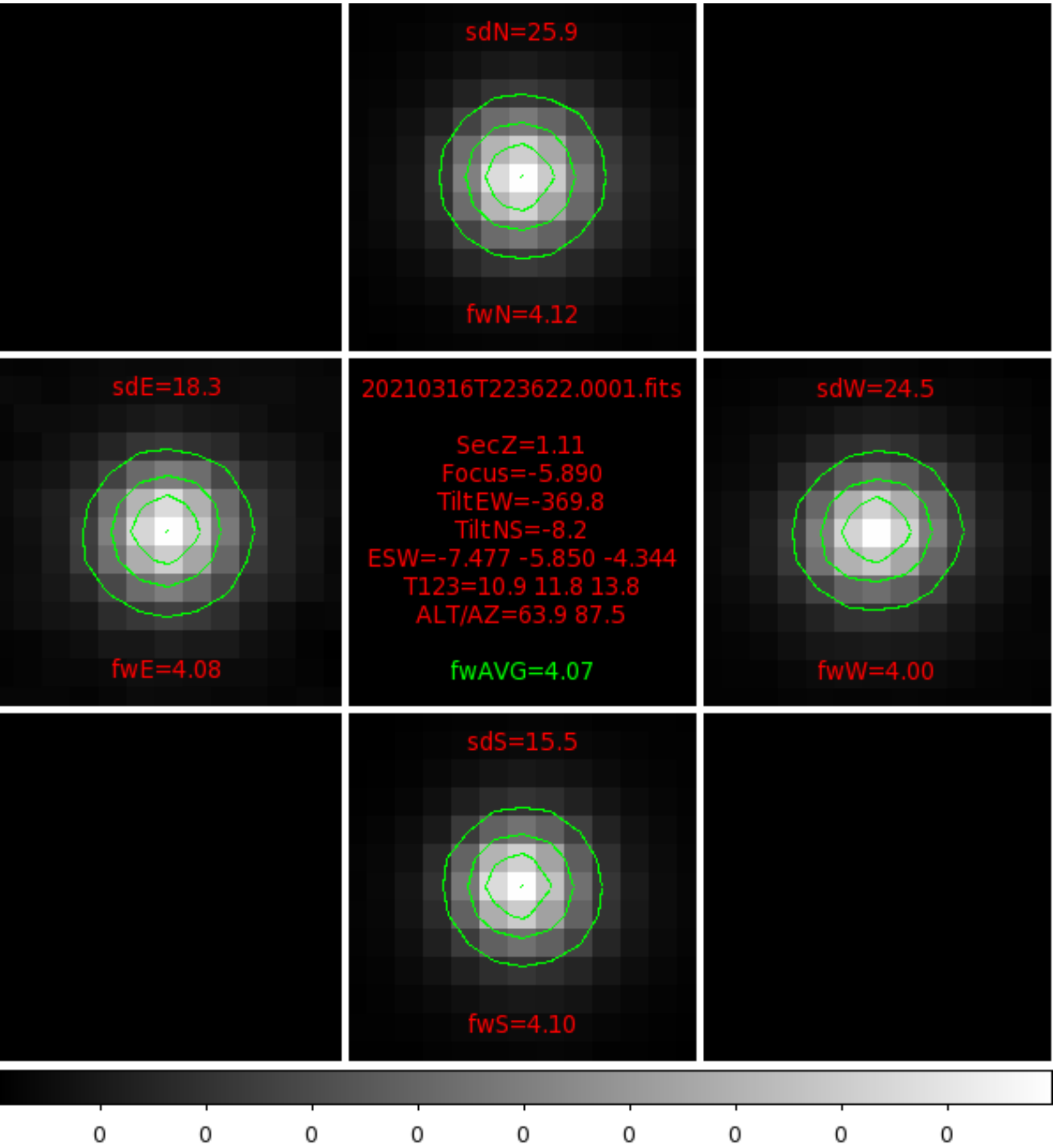
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SecZ=1.11
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ESW=-7.477 -5.850 -4.344
T123=10.9 11.8 13.8
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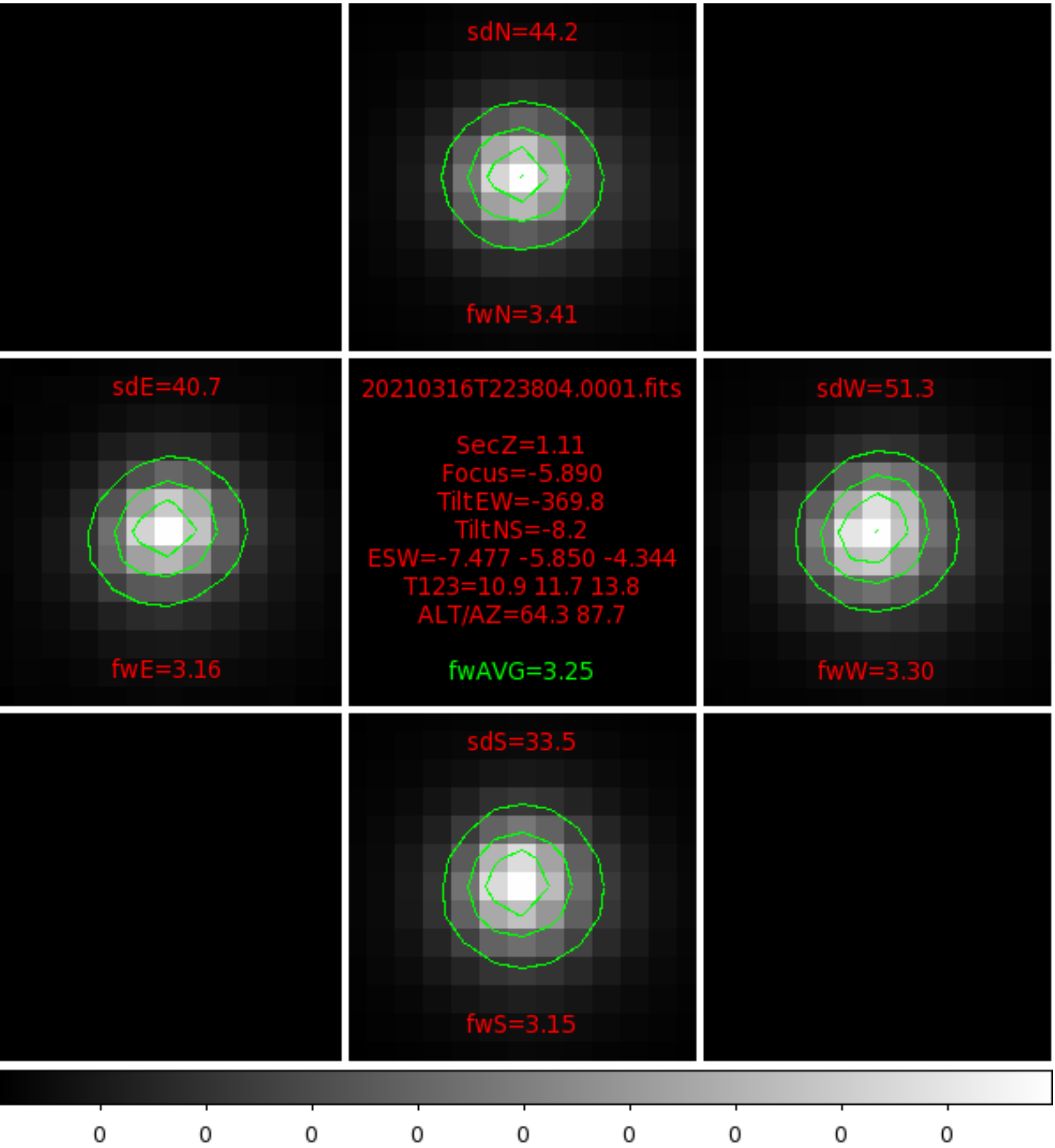
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SecZ=1.11
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T123=10.9 11.7 13.8
ALT/AZ=64.3 87.7
fwAVG=3.25
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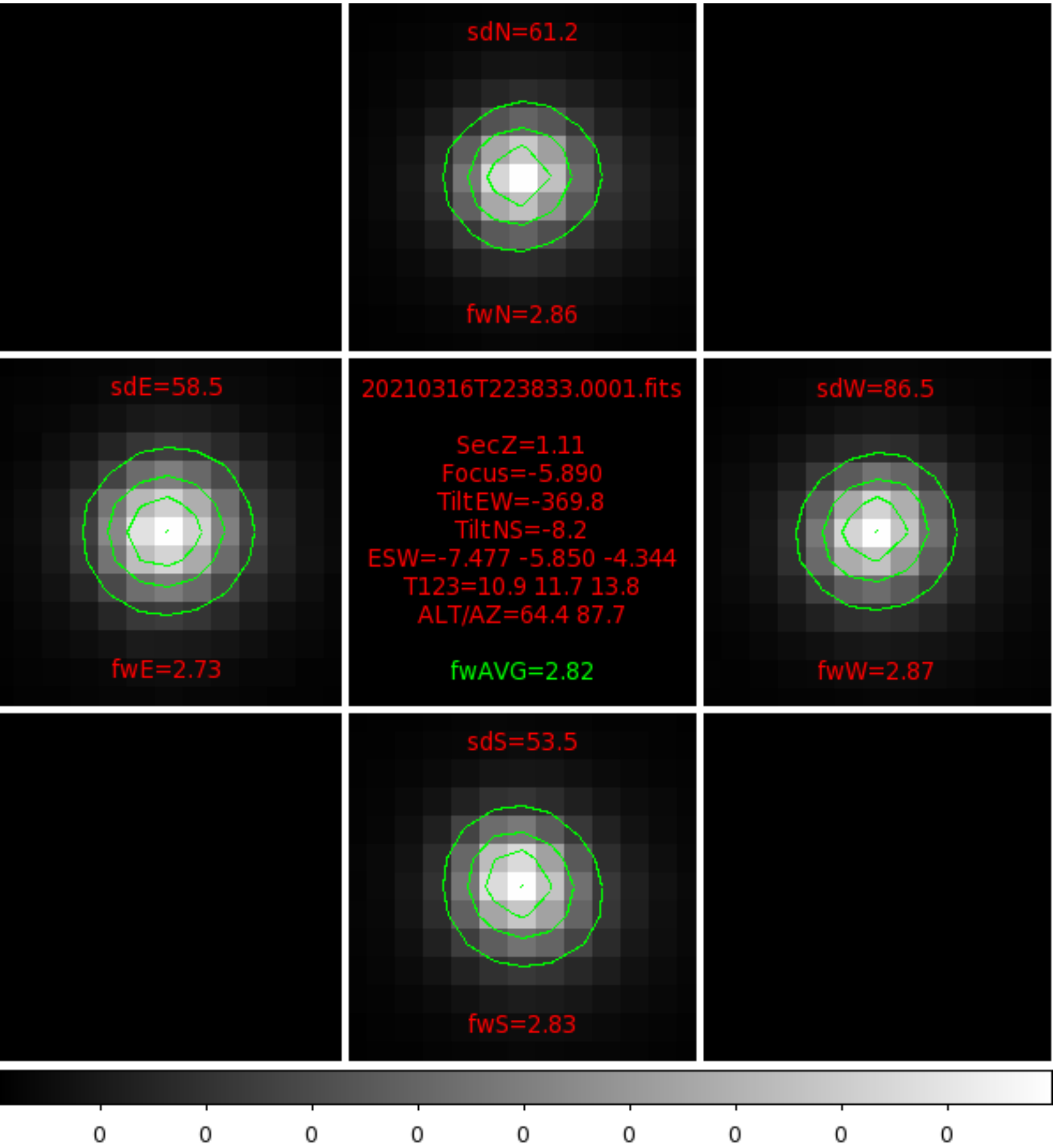
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SecZ=1.11
Focus=-5.890
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.477 -5.850 -4.344
T123=10.9 11.7 13.8
ALT/AZ=64.4 87.7
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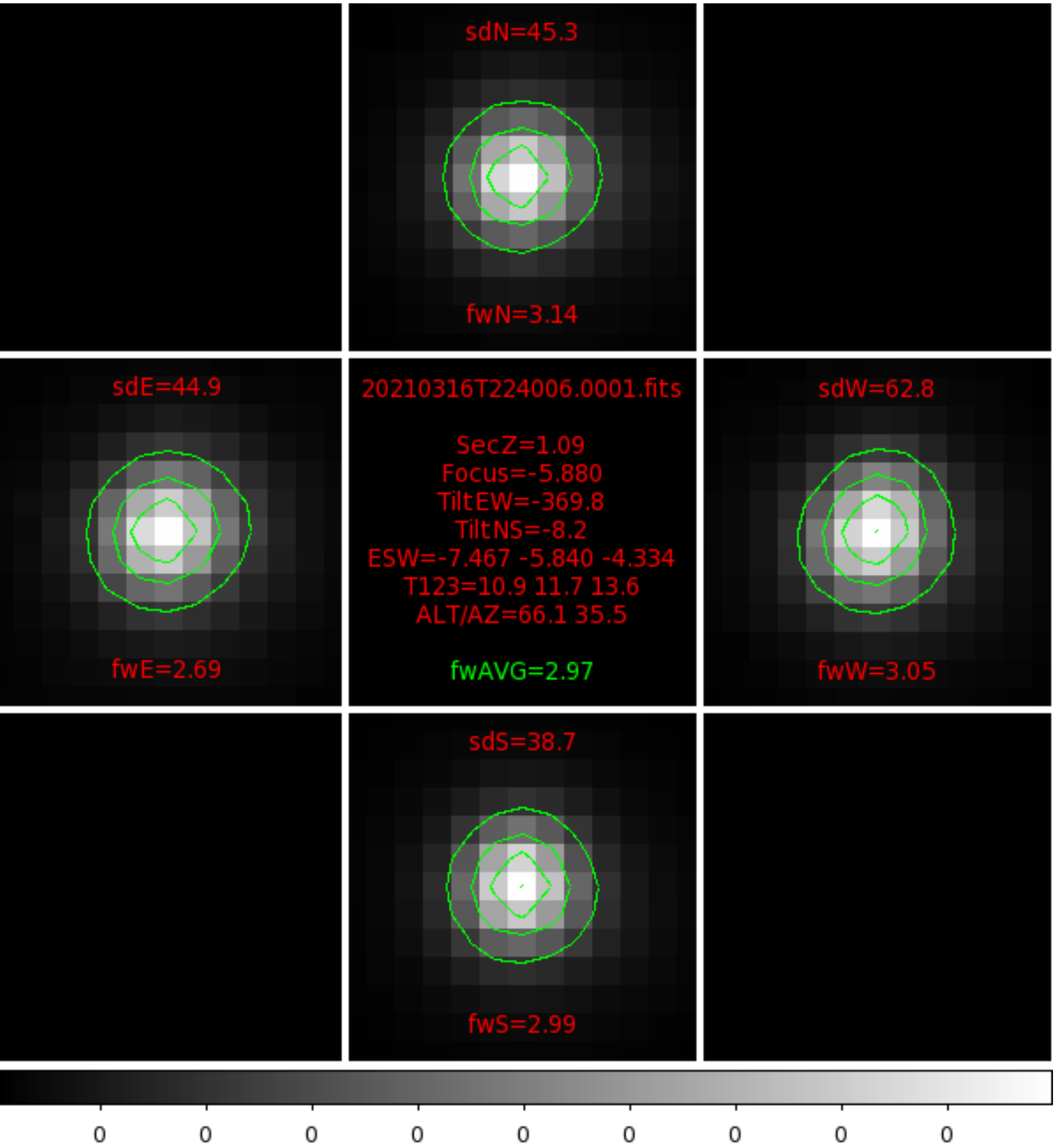
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20210316T224006.0001.fits
SecZ=1.09
Focus=-5.880
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.467 -5.840 -4.334
T123=10.9 11.7 13.6
ALT/AZ=66.1 35.5
fwAVG=2.97
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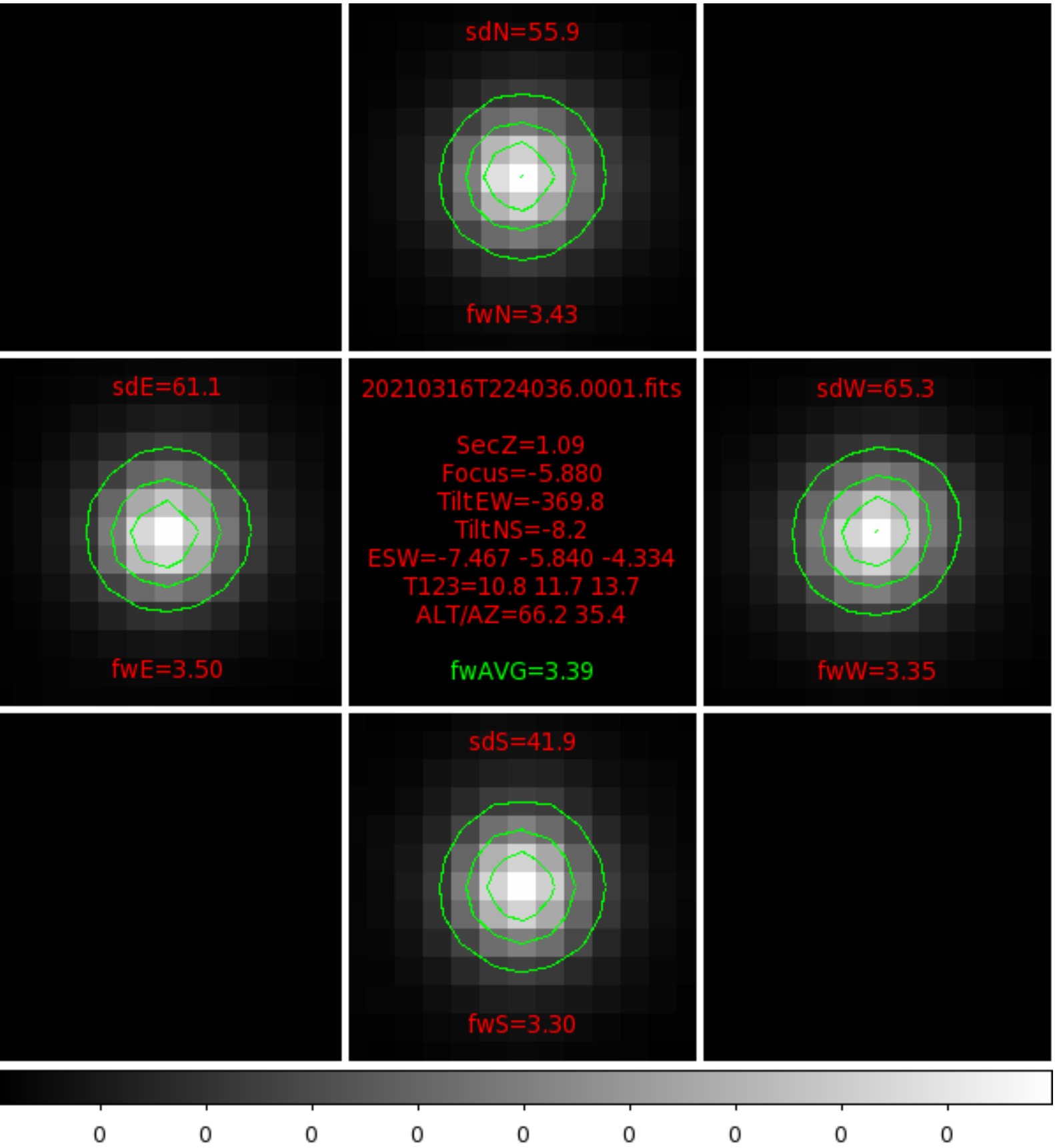
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SecZ=1.09
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.467 -5.840 -4.334
T123=10.8 11.7 13.7
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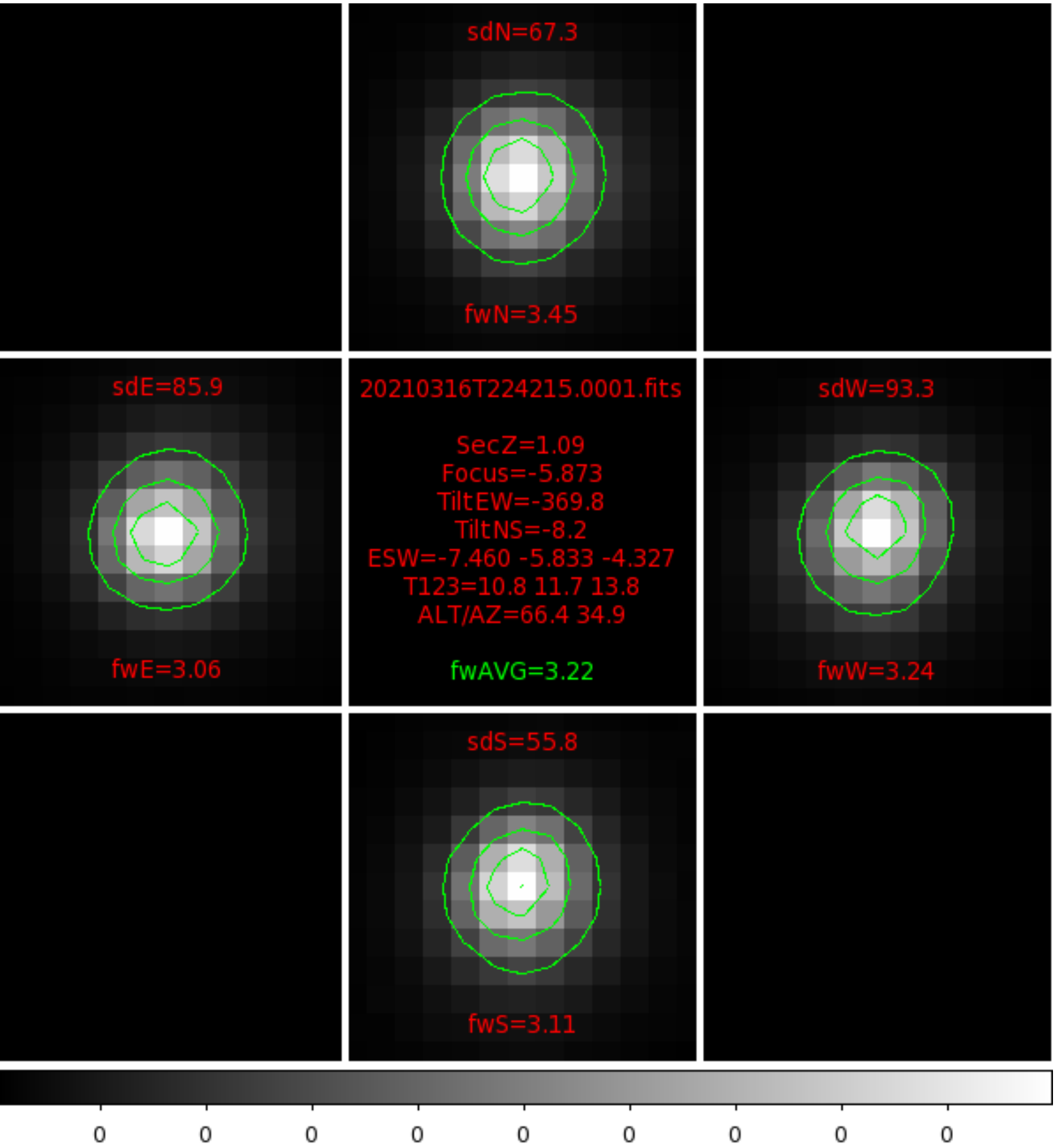
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20210316T224215.0001.fits
SecZ=1.09
Focus=-5.873
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.460 -5.833 -4.327
T123=10.8 11.7 13.8
ALT/AZ=66.4 34.9
fwAVG=3.22
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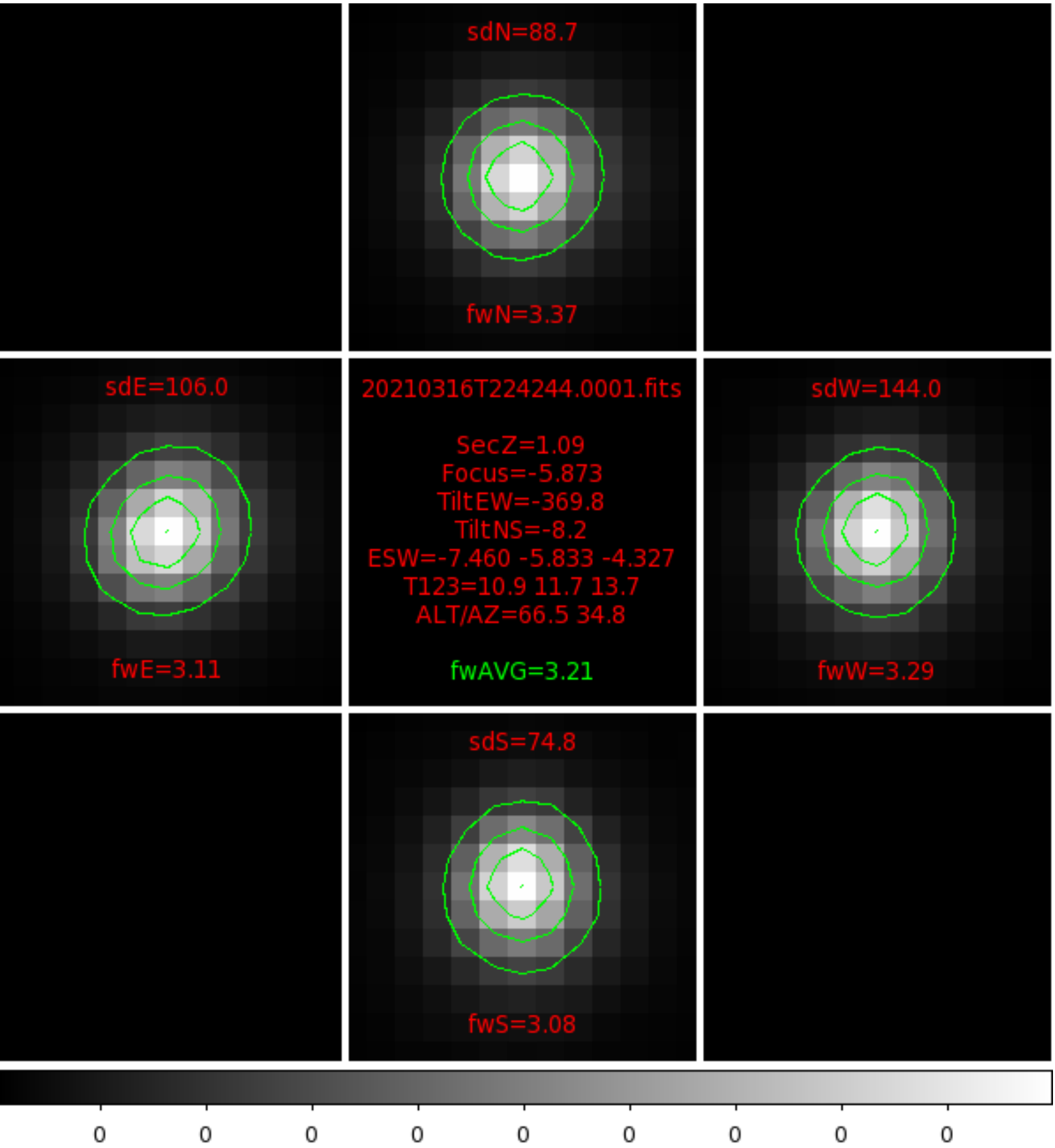
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sdE=106.0
fwE=3.11
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SecZ=1.09
Focus=-5.873
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.460 -5.833 -4.327
T123=10.9 11.7 13.7
ALT/AZ=66.5 34.8
fwAVG=3.21
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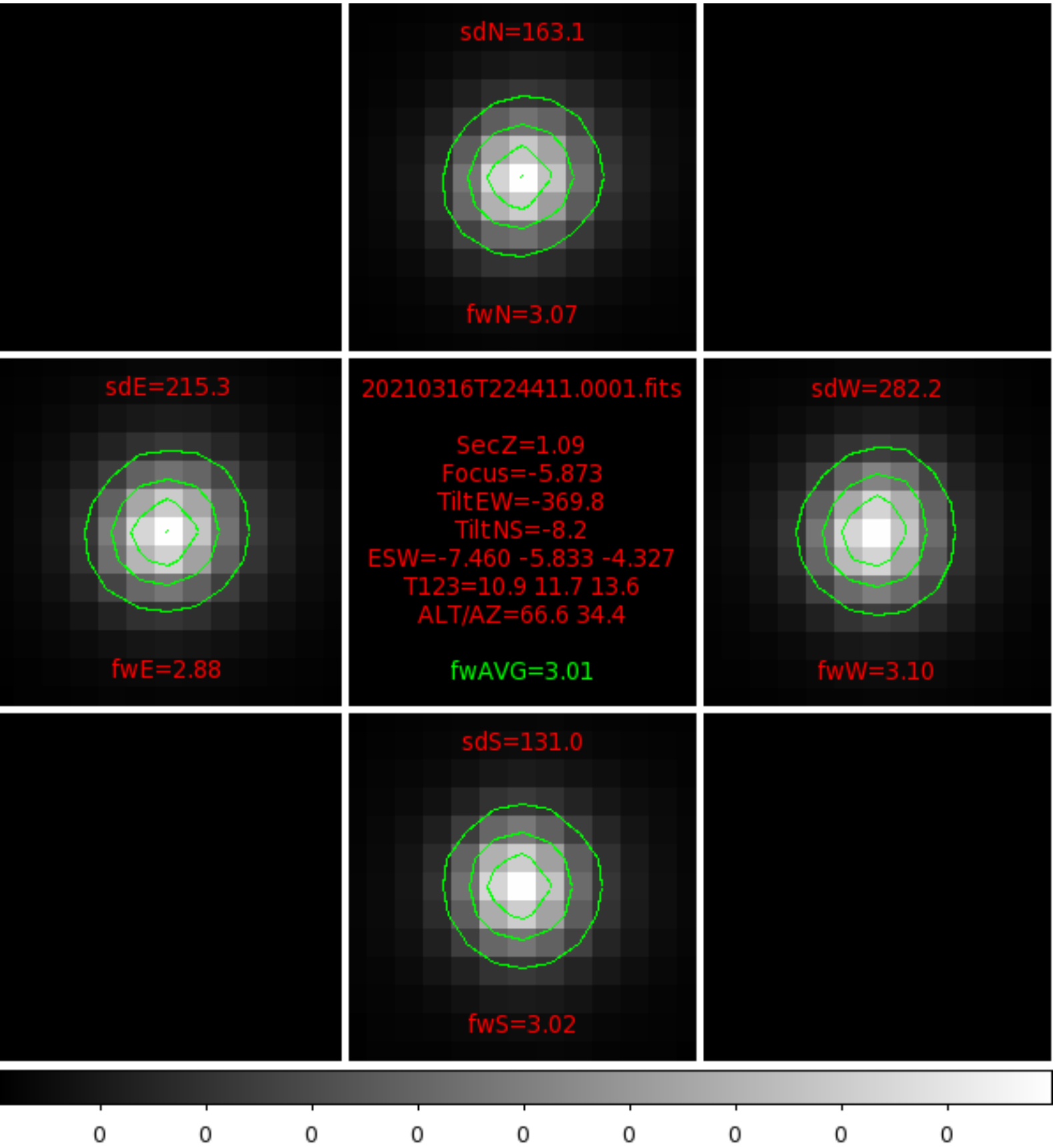
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SecZ=1.09
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.460 -5.833 -4.327
T123=10.9 11.7 13.6
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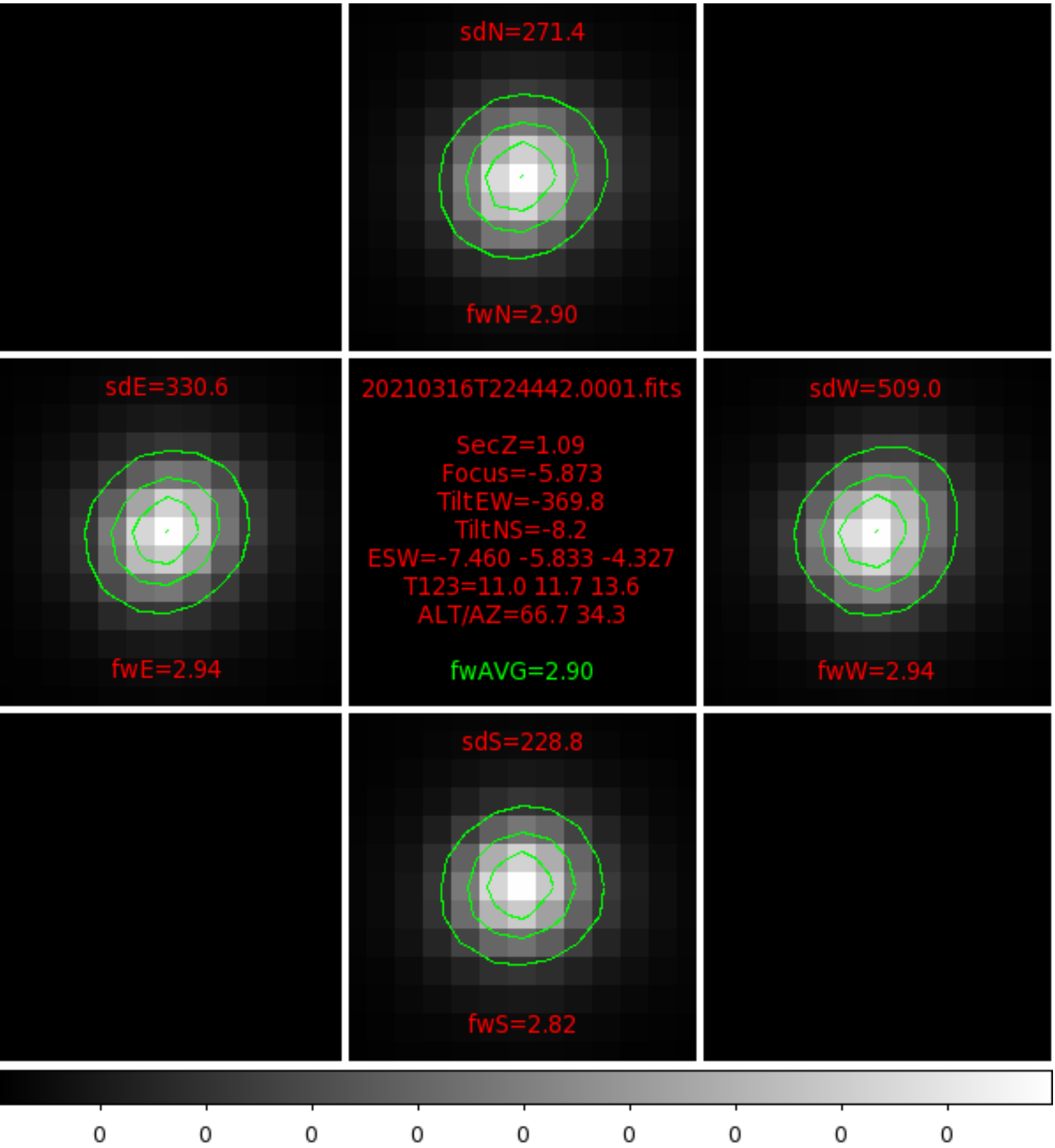
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SecZ=1.09
Focus=-5.873
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.460 -5.833 -4.327
T123=11.0 11.7 13.6
ALT/AZ=66.7 34.3
fwAVG=2.90
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sdS=228.8
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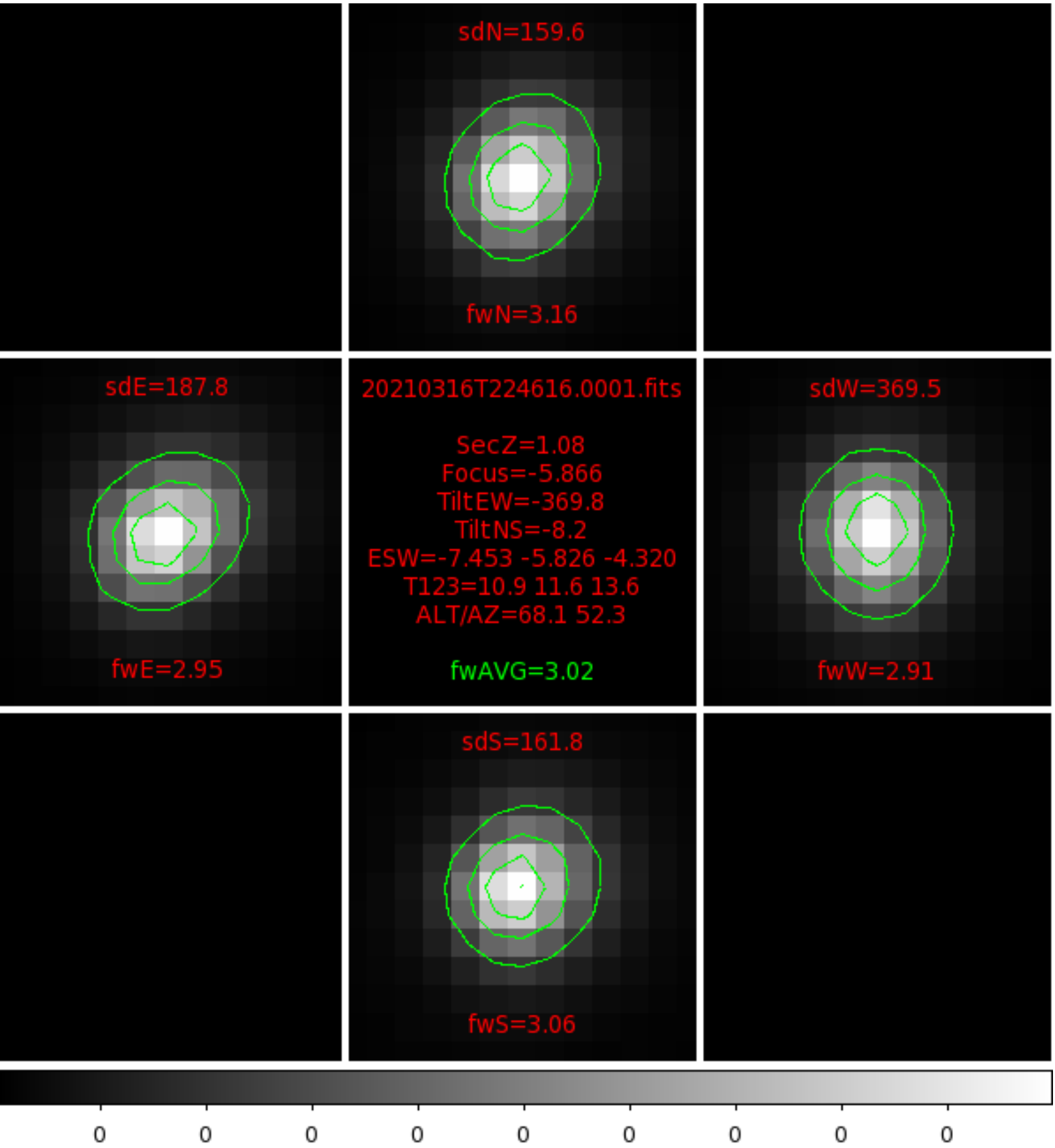
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SecZ=1.08
Focus=-5.866
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.453 -5.826 -4.320
T123=10.9 11.6 13.6
ALT/AZ=68.1 52.3
fwAVG=3.02
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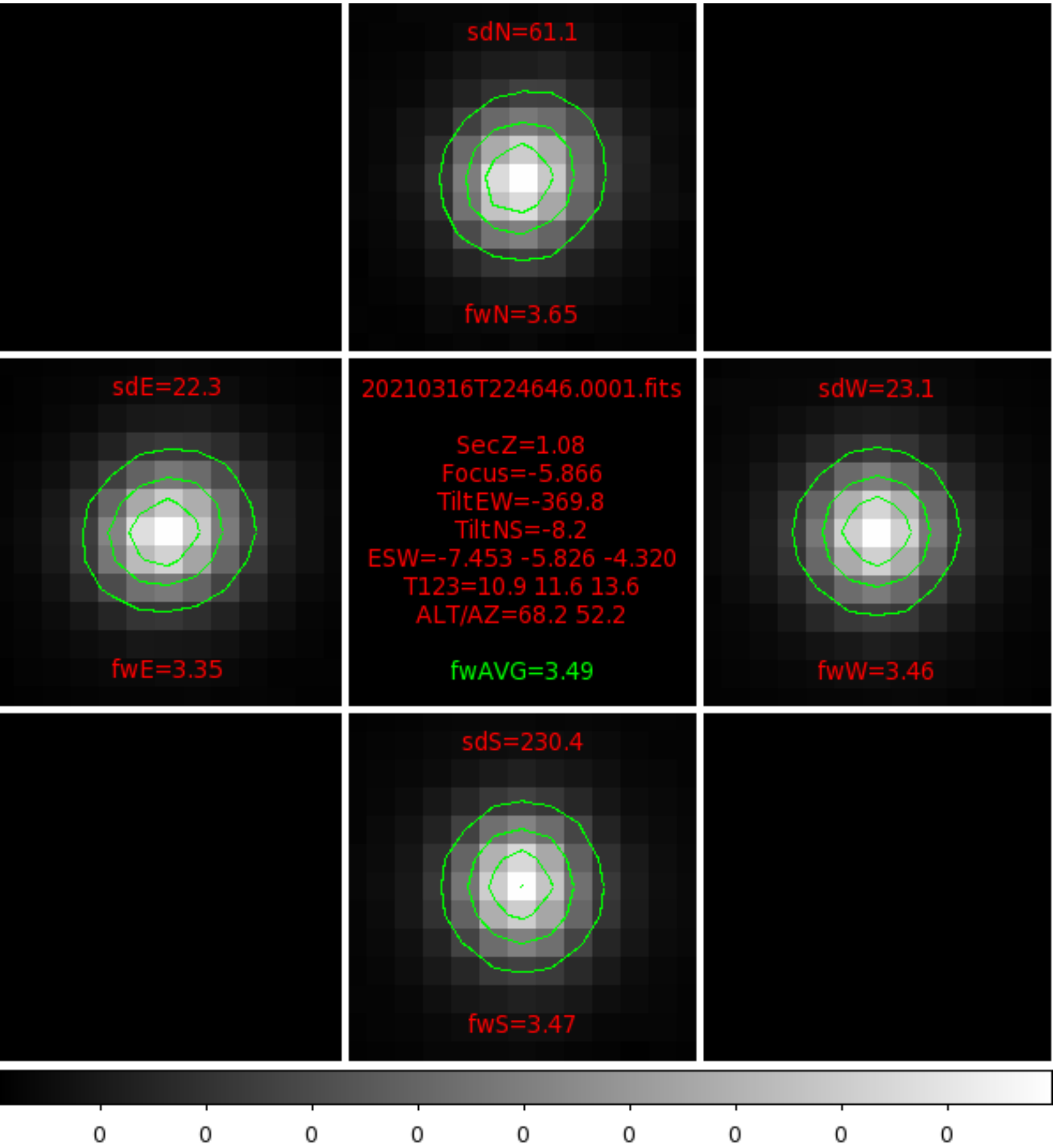
sdN=61.1
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SecZ=1.08
Focus=-5.866
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.453 -5.826 -4.320
T123=10.9 11.6 13.6
ALT/AZ=68.2 52.2
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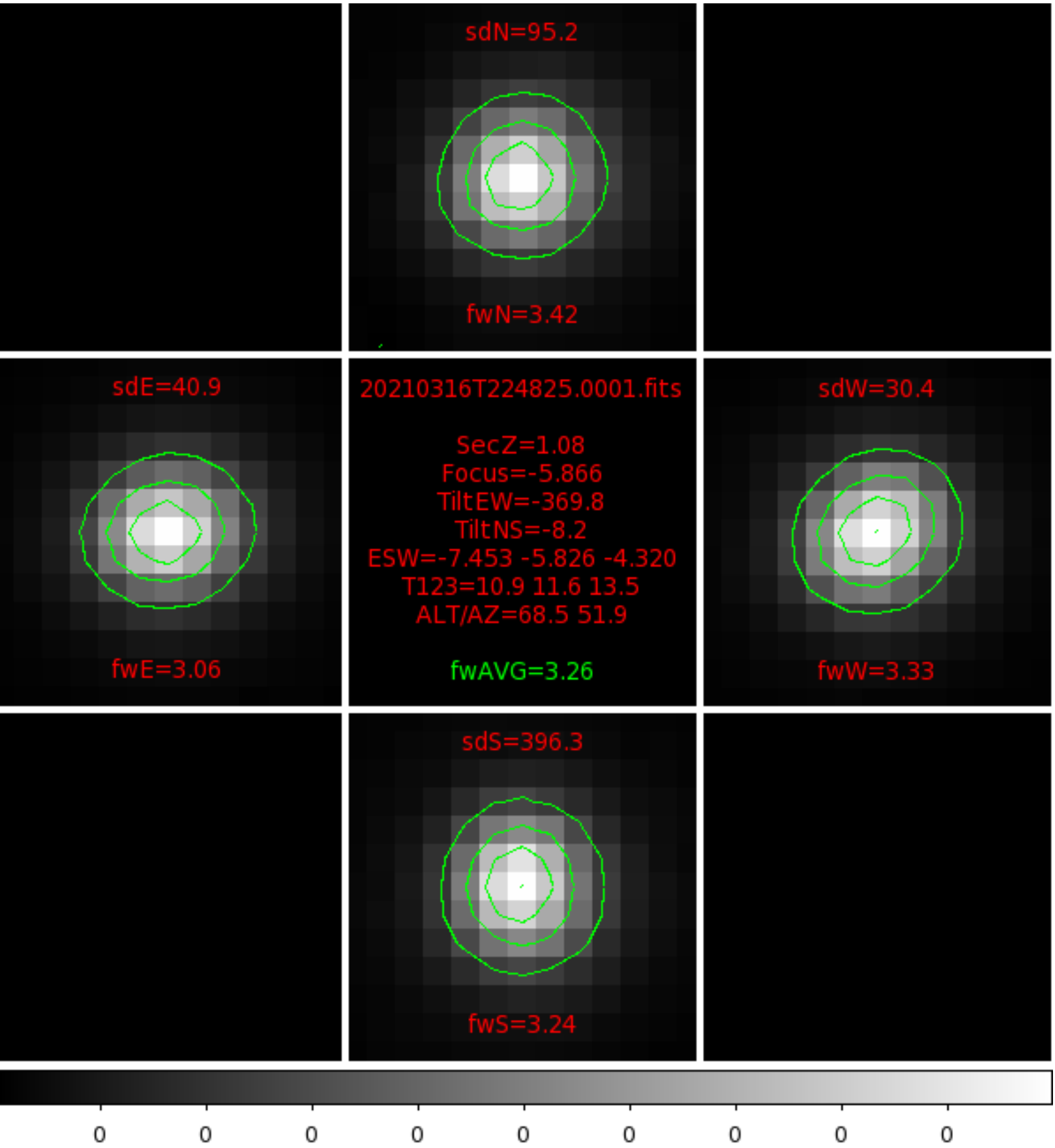
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20210316T224825.0001.fits
SecZ=1.08
Focus=-5.866
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.453 -5.826 -4.320
T123=10.9 11.6 13.5
ALT/AZ=68.5 51.9
fwAVG=3.26
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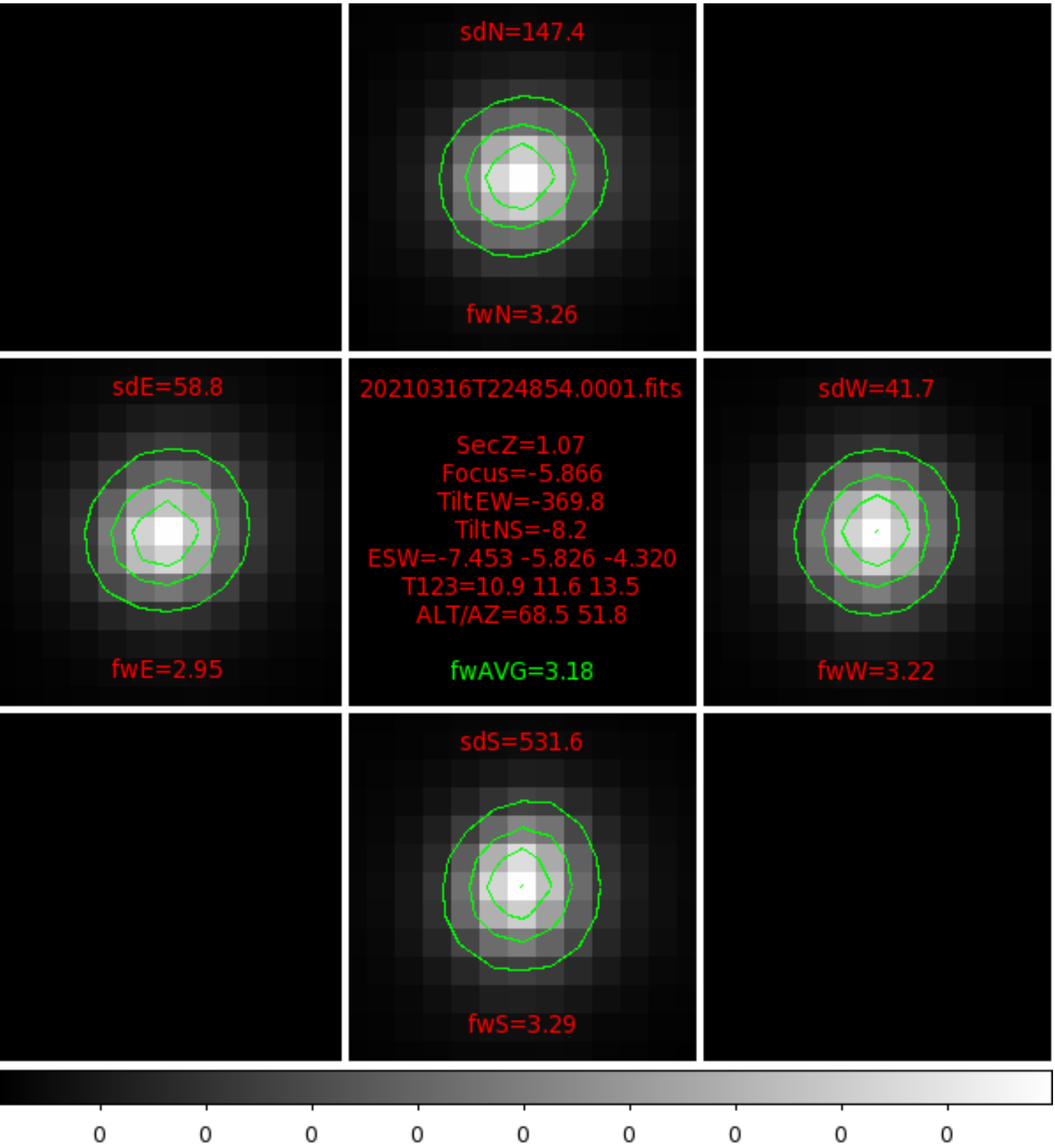
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SecZ=1.07
Focus=-5.866
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.453 -5.826 -4.320
T123=10.9 11.6 13.5
ALT/AZ=68.5 51.8
fwAVG=3.18
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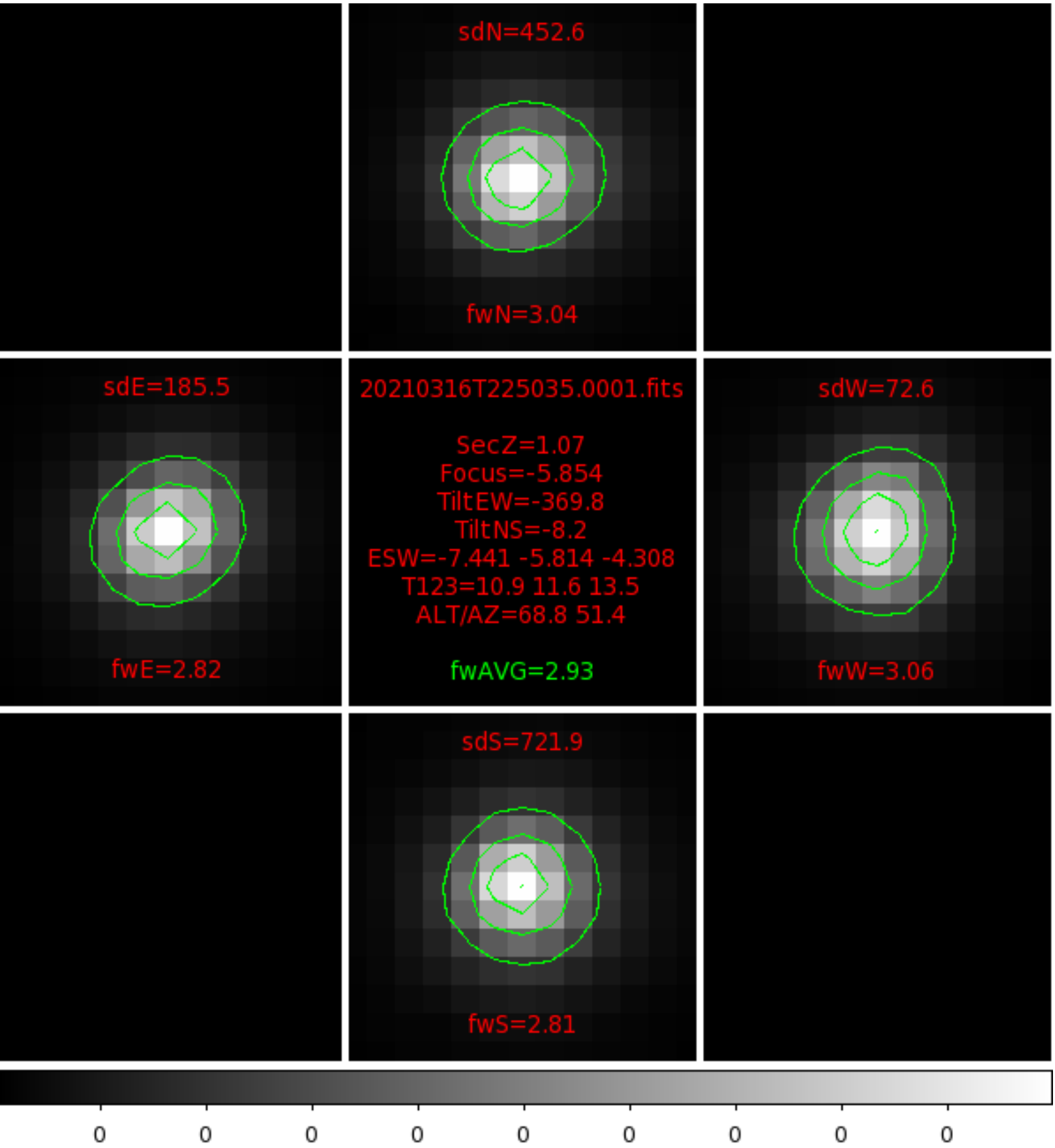
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.441 -5.814 -4.308
T123=10.9 11.6 13.5
ALT/AZ=68.8 51.4
fwAVG=2.93
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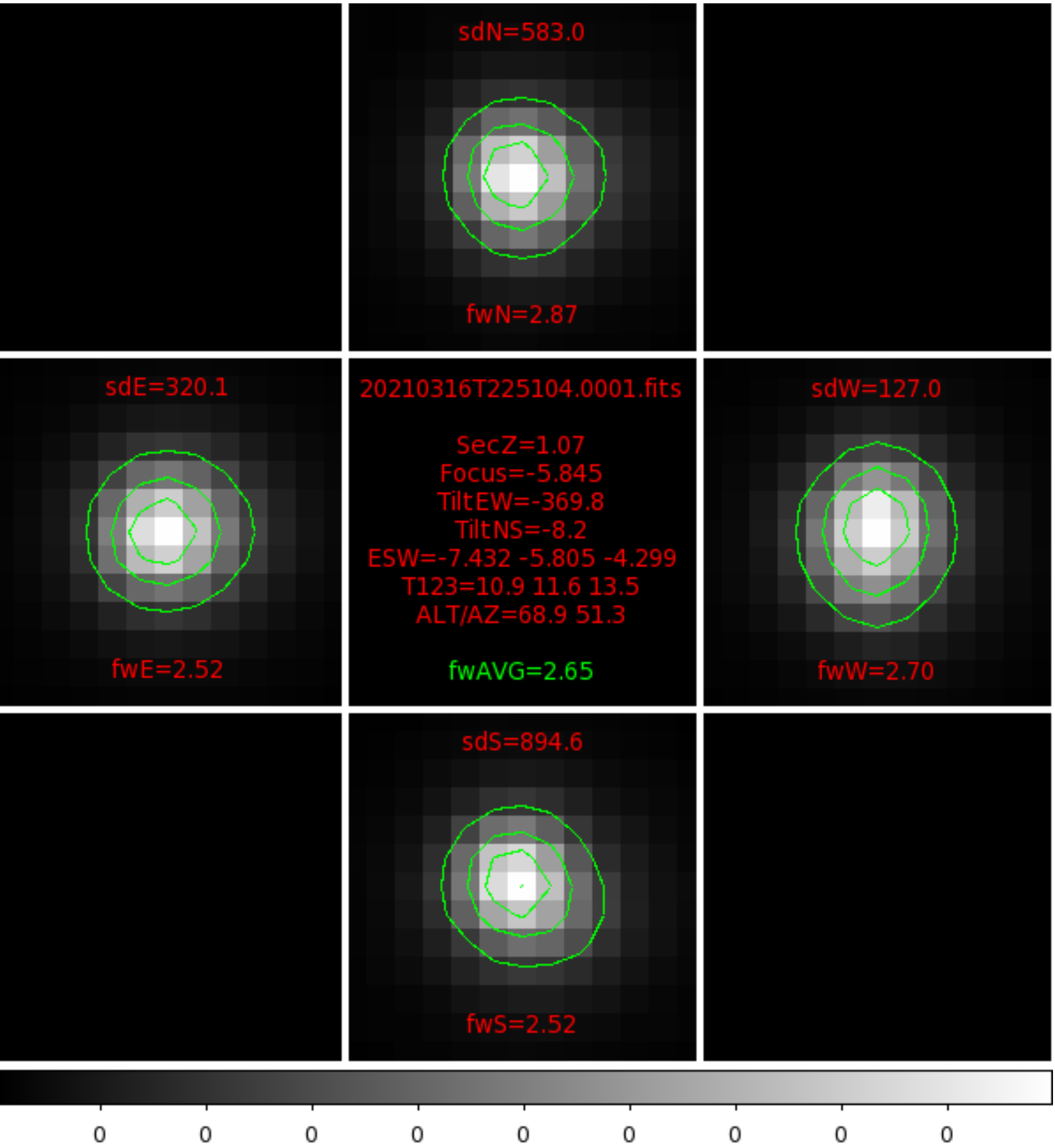
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SecZ=1.07
Focus=-5.845
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.432 -5.805 -4.299
T123=10.9 11.6 13.5
ALT/AZ=68.9 51.3
fwAVG=2.65
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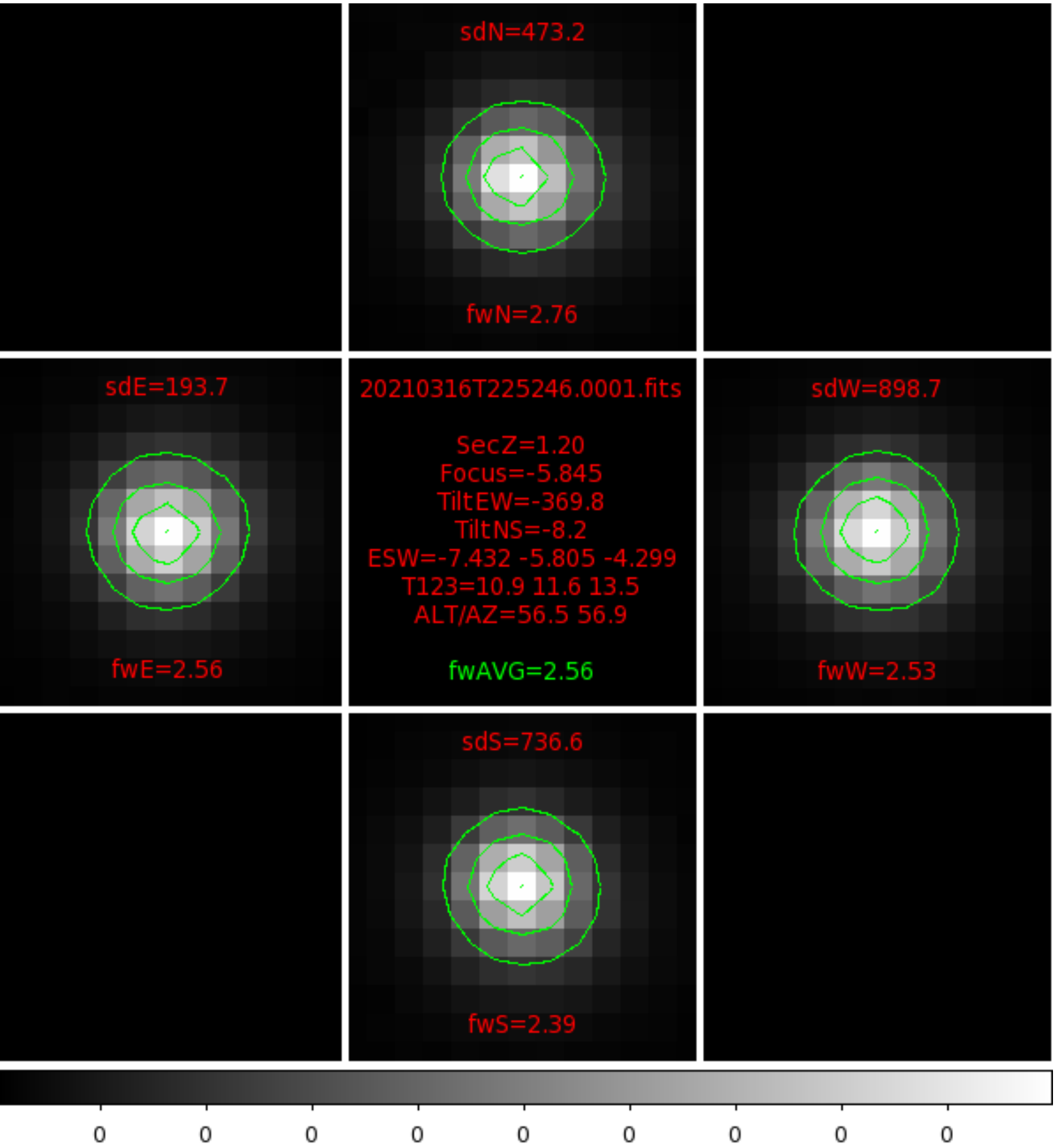
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Focus=-5.845
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TiltNS=-8.2
ESW=-7.432 -5.805 -4.299
T123=10.9 11.6 13.5
ALT/AZ=56.5 56.9
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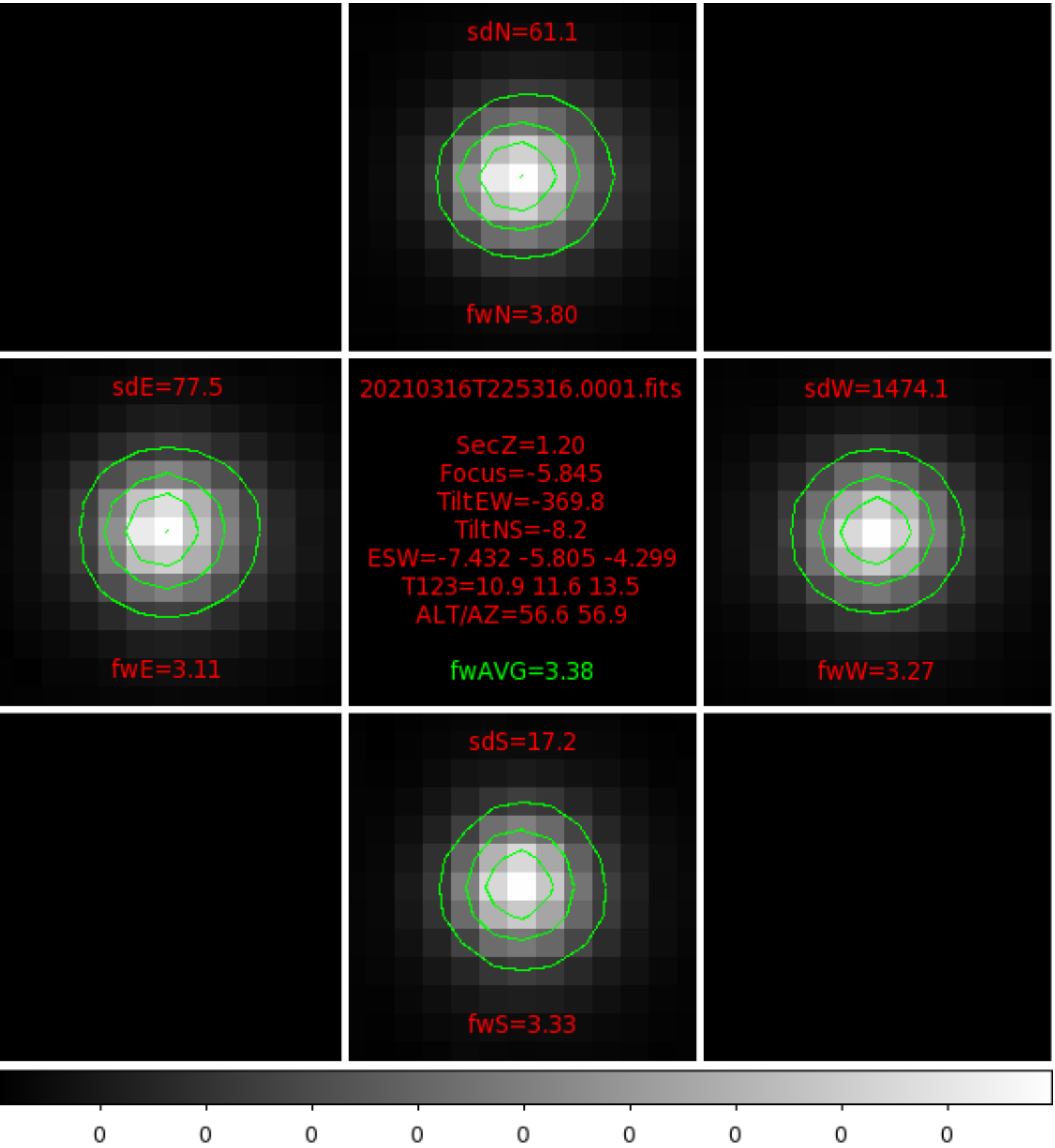
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.432 -5.805 -4.299
T123=10.9 11.6 13.5
ALT/AZ=56.6 56.9
fwAVG=3.38
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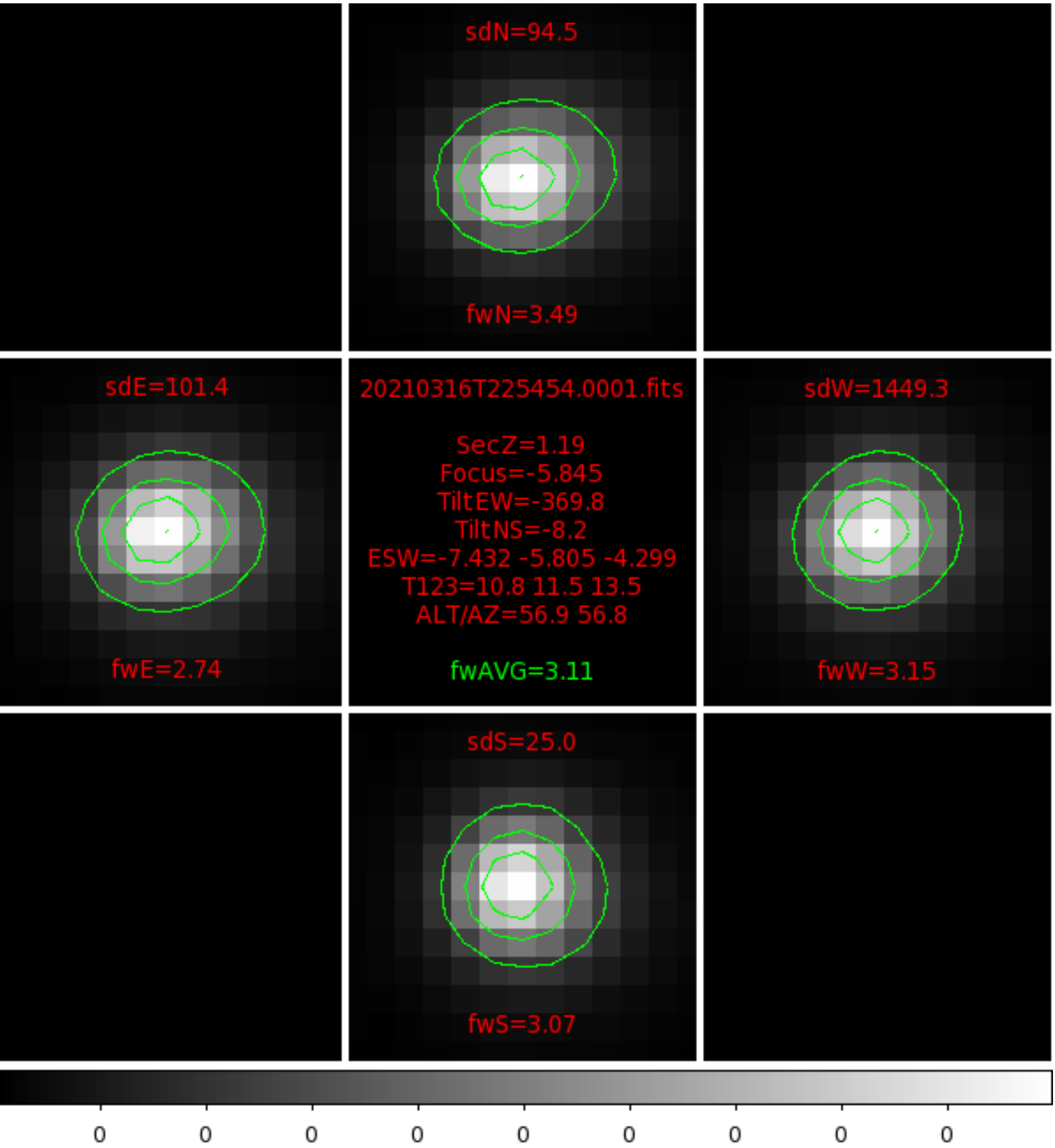
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Focus=-5.845
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.432 -5.805 -4.299
T123=10.8 11.5 13.5
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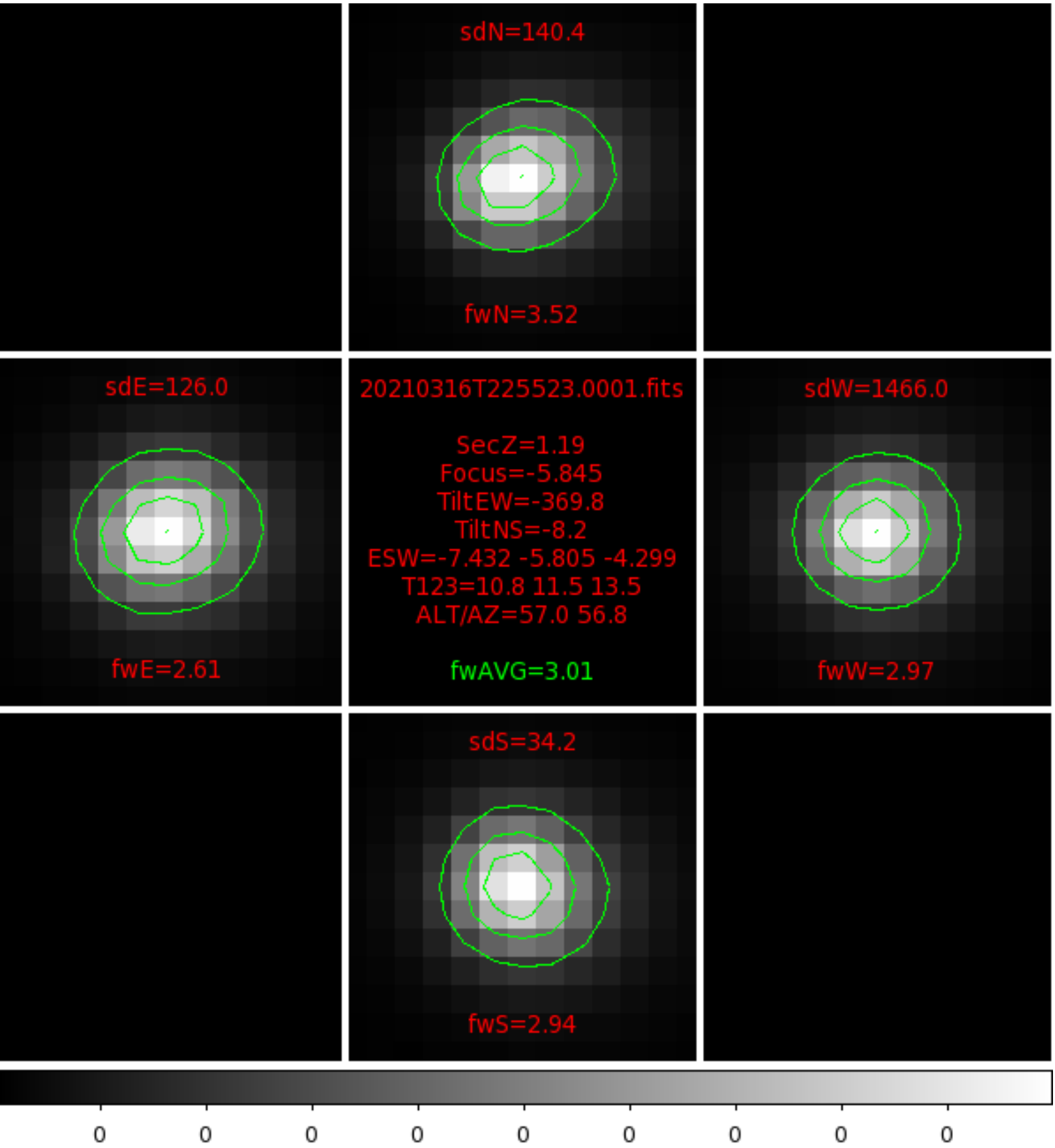
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SecZ=1.19
Focus=-5.845
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TiltNS=-8.2
ESW=-7.432 -5.805 -4.299
T123=10.8 11.5 13.5
ALT/AZ=57.0 56.8
fwAVG=3.01
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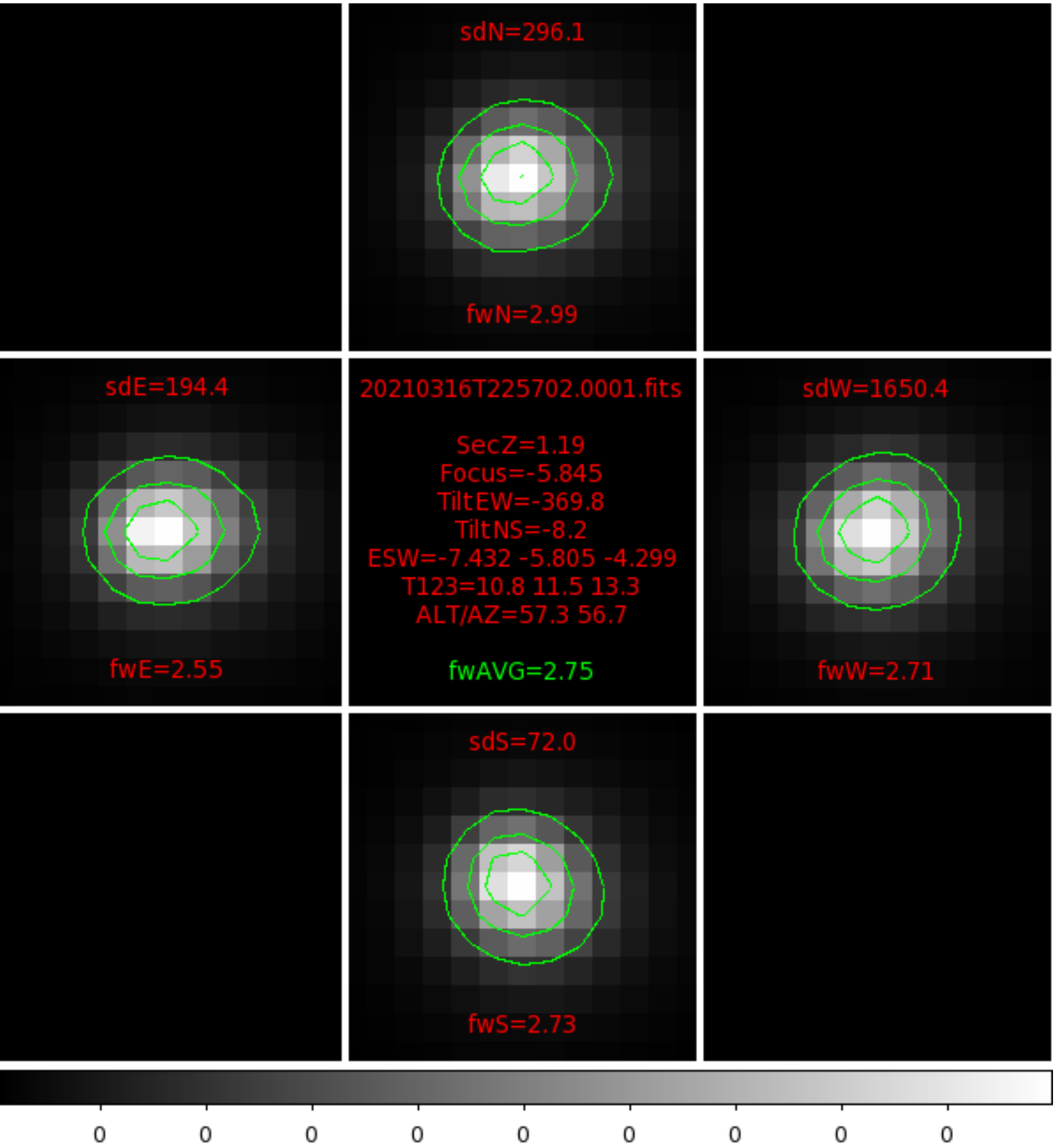
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SecZ=1.19
Focus=-5.845
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.432 -5.805 -4.299
T123=10.8 11.5 13.3
ALT/AZ=57.3 56.7
fwAVG=2.75
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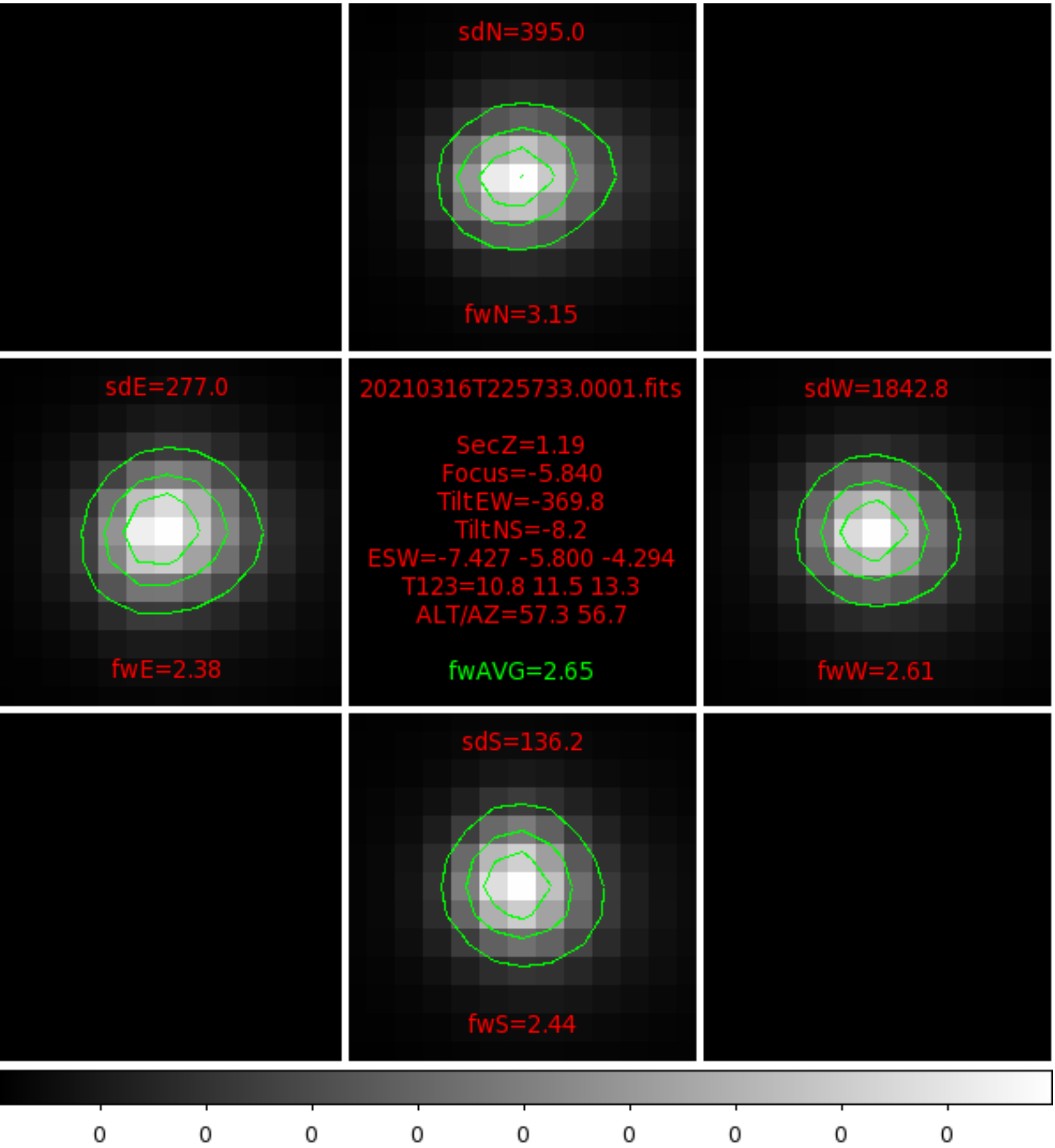
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SecZ=1.19
Focus=-5.840
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.427 -5.800 -4.294
T123=10.8 11.5 13.3
ALT/AZ=57.3 56.7
fwAVG=2.65
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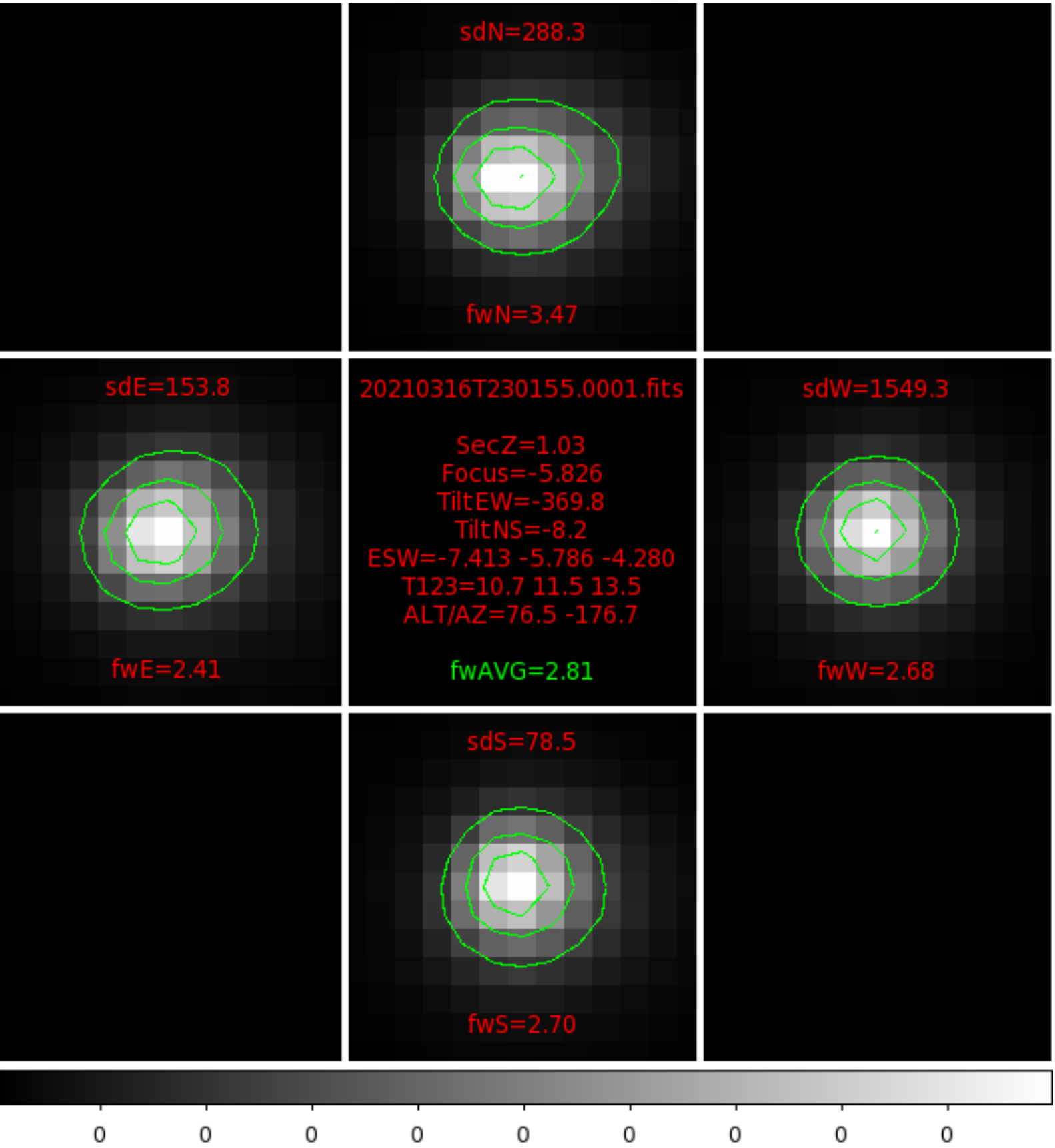
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sdE=153.8
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20210316T230155.0001.fits
SecZ=1.03
Focus=-5.826
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.413 -5.786 -4.280
T123=10.7 11.5 13.5
ALT/AZ=76.5 -176.7
fwAVG=2.81
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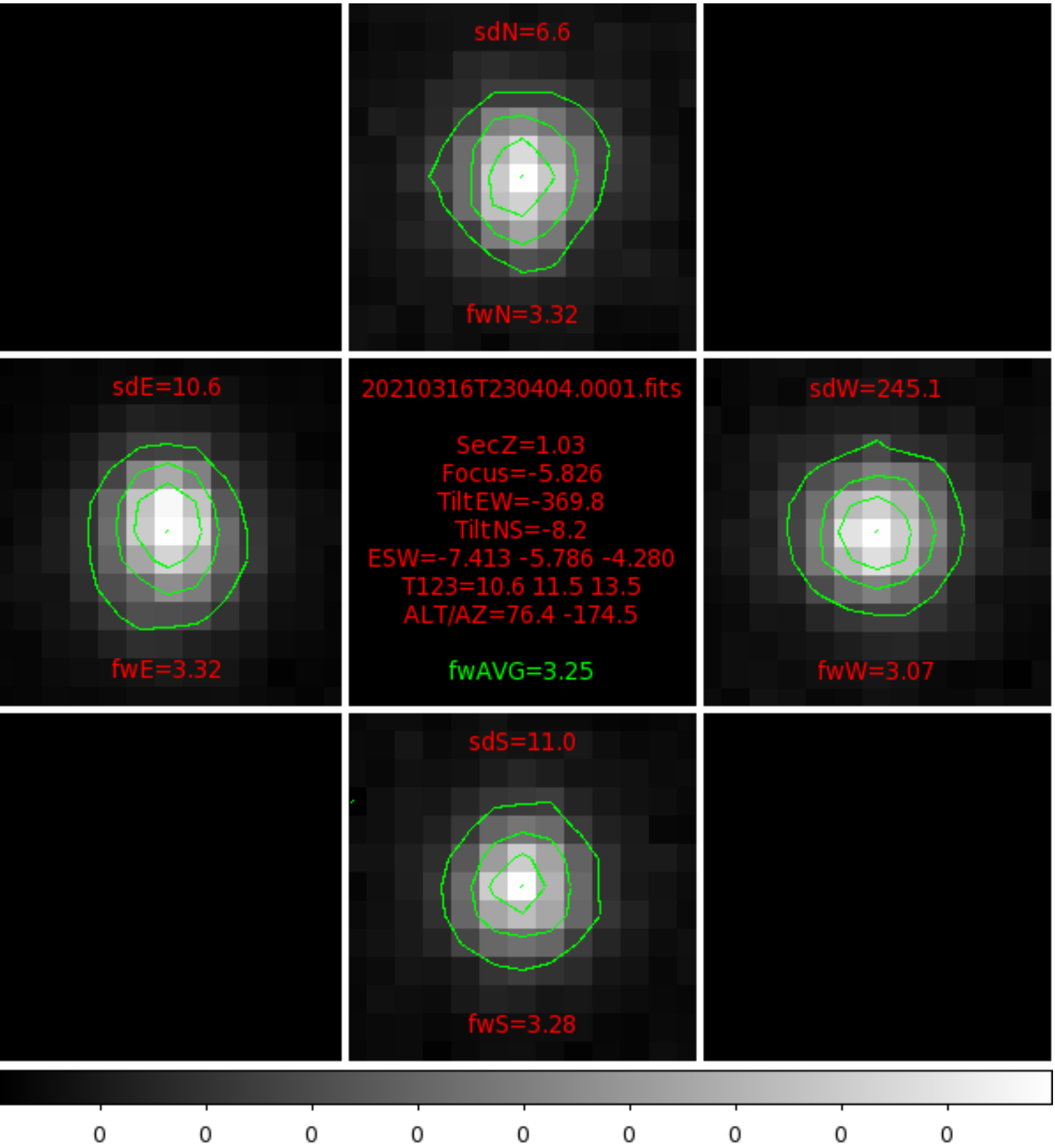
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SecZ=1.03
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TiltNS=-8.2
ESW=-7.413 -5.786 -4.280
T123=10.6 11.5 13.5
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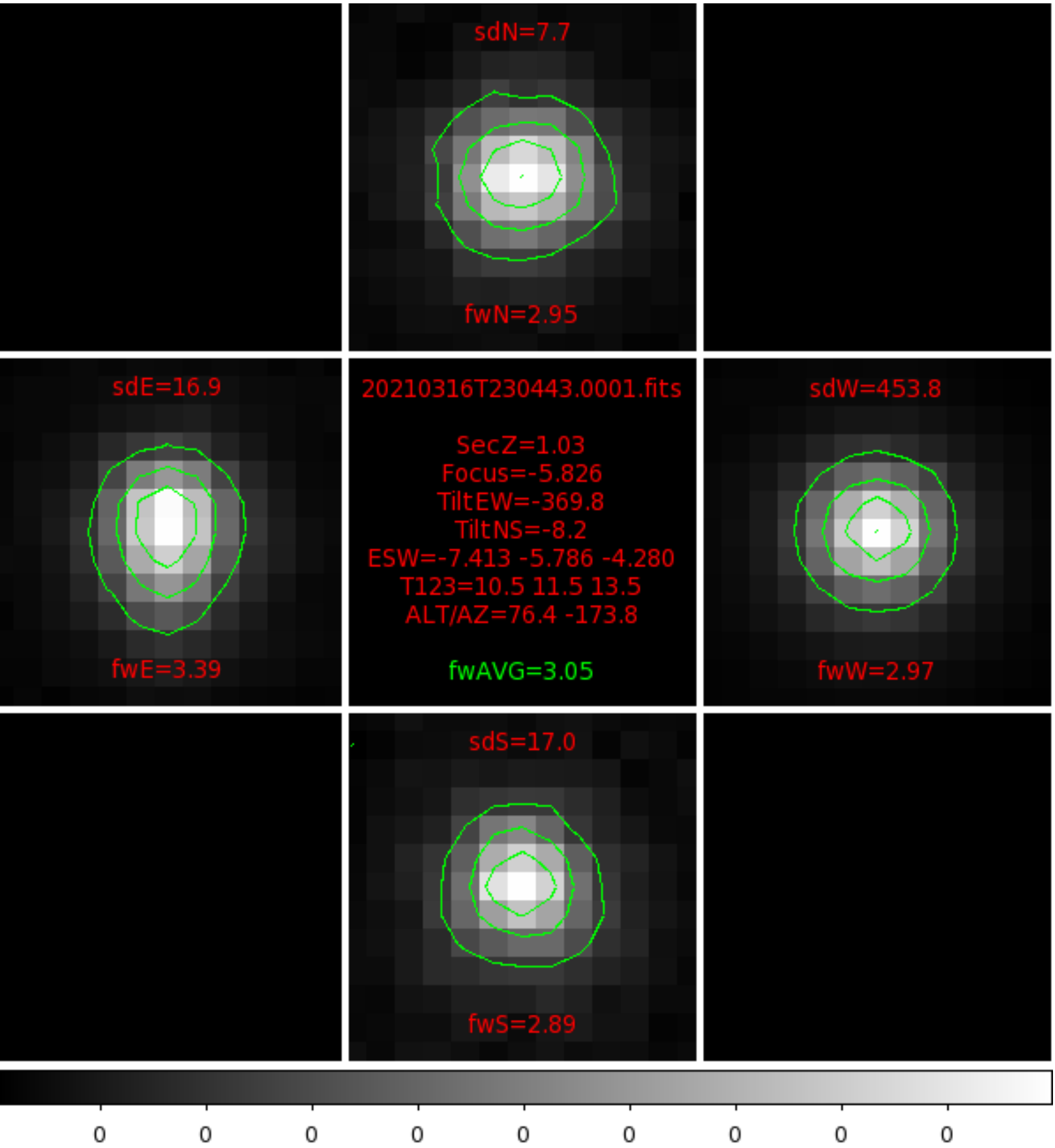
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SecZ=1.03
Focus=-5.826
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.413 -5.786 -4.280
T123=10.5 11.5 13.5
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fwAVG=3.05
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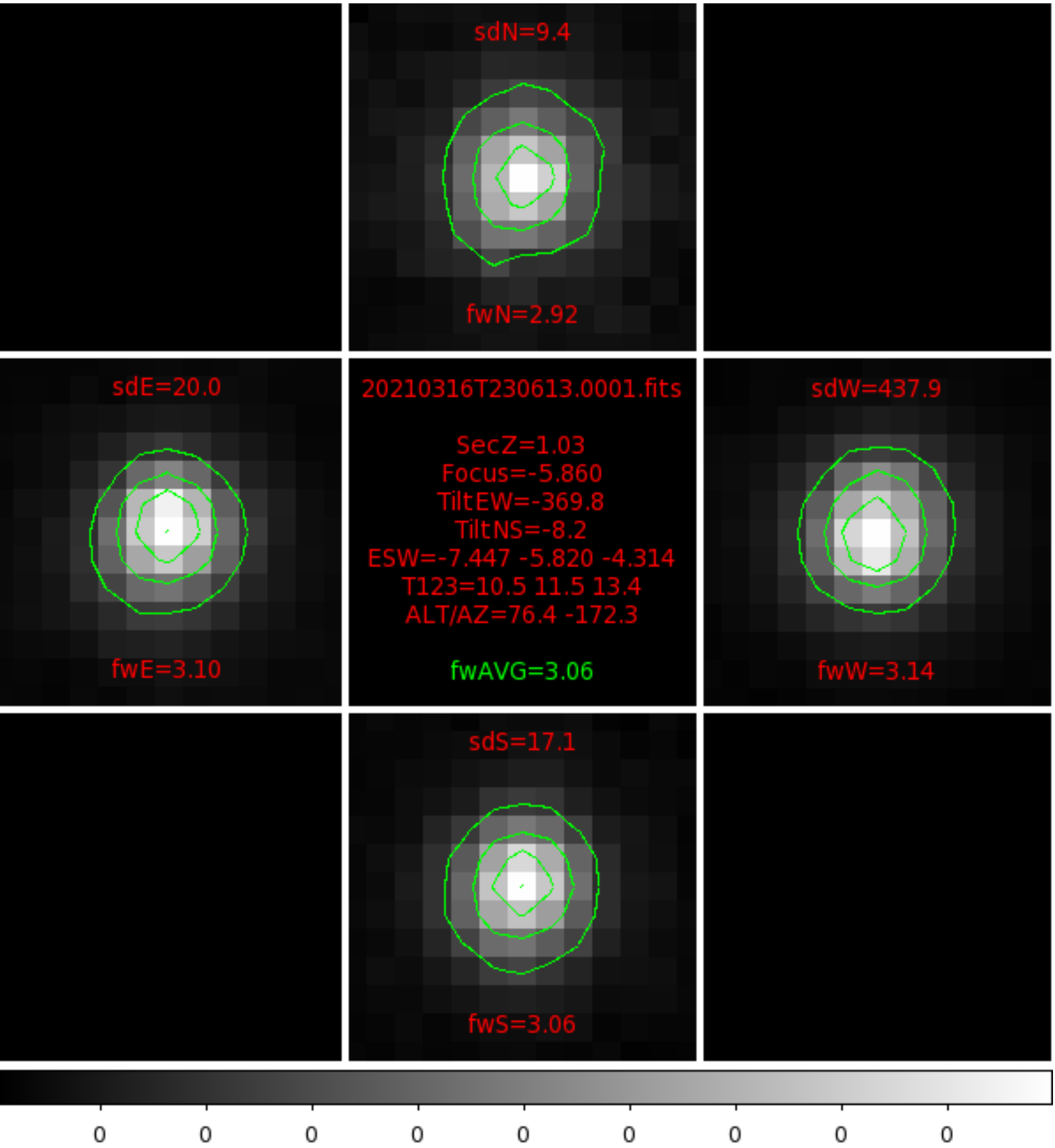
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20210316T230613.0001.fits
SecZ=1.03
Focus=-5.860
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.447 -5.820 -4.314
T123=10.5 11.5 13.4
ALT/AZ=76.4 -172.3
fwAVG=3.06
sdW=437.9
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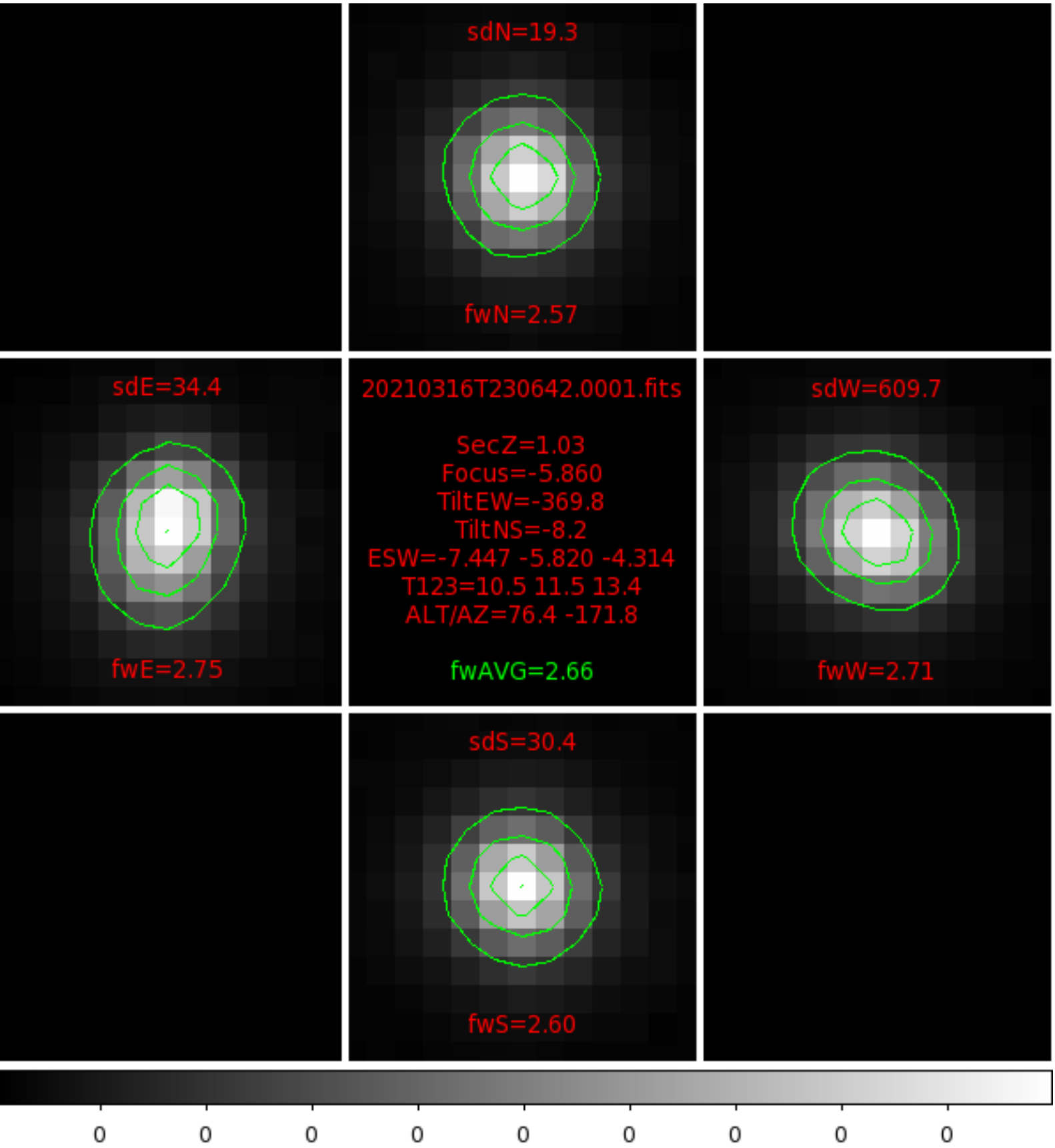
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20210316T230642.0001.fits
SecZ=1.03
Focus=-5.860
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.447 -5.820 -4.314
T123=10.5 11.5 13.4
ALT/AZ=76.4 -171.8
fwAVG=2.66
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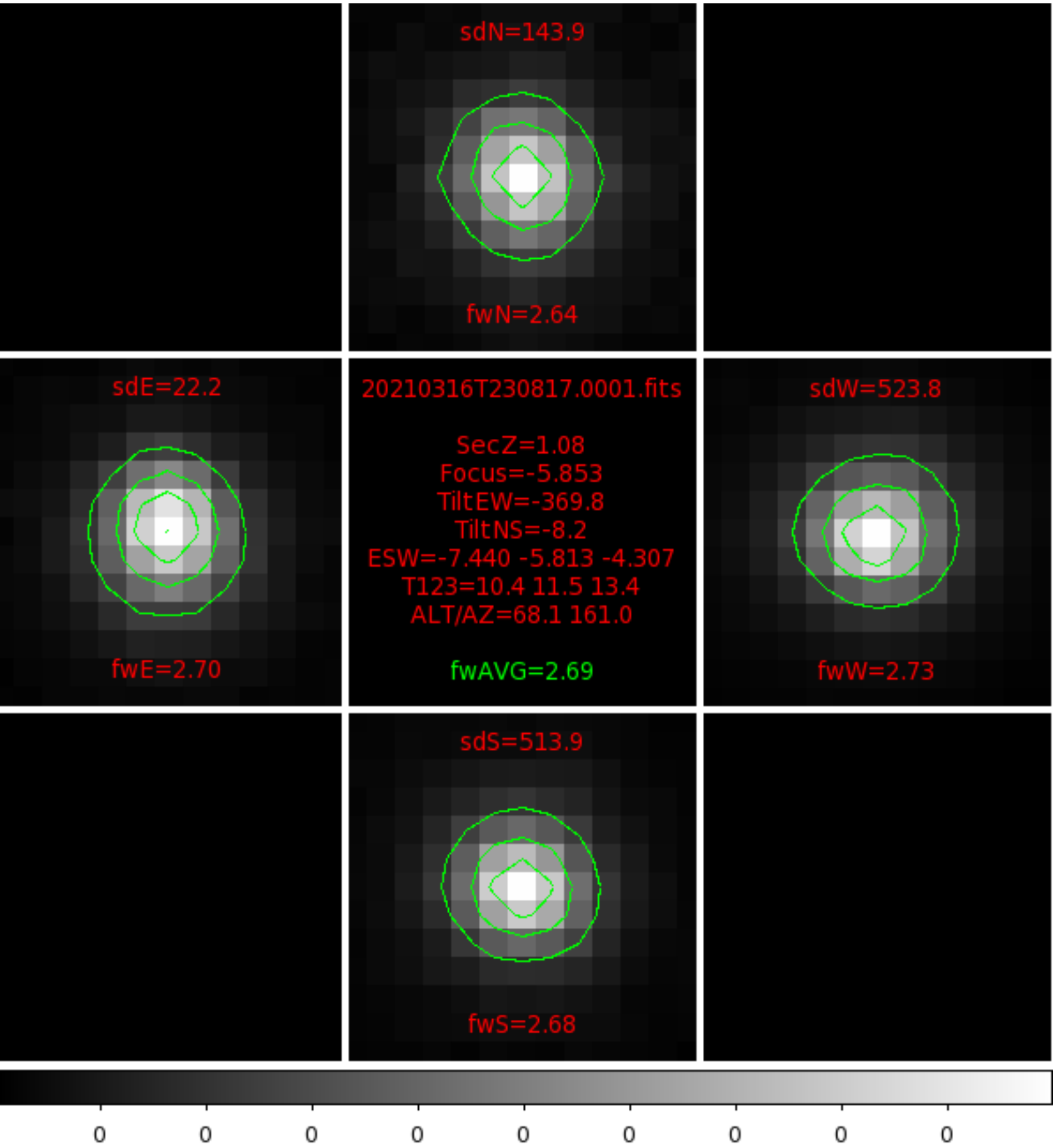
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sdE=22.2
fwE=2.70
20210316T230817.0001.fits
SecZ=1.08
Focus=-5.853
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.440 -5.813 -4.307
T123=10.4 11.5 13.4
ALT/AZ=68.1 161.0
fwAVG=2.69
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sdS=513.9
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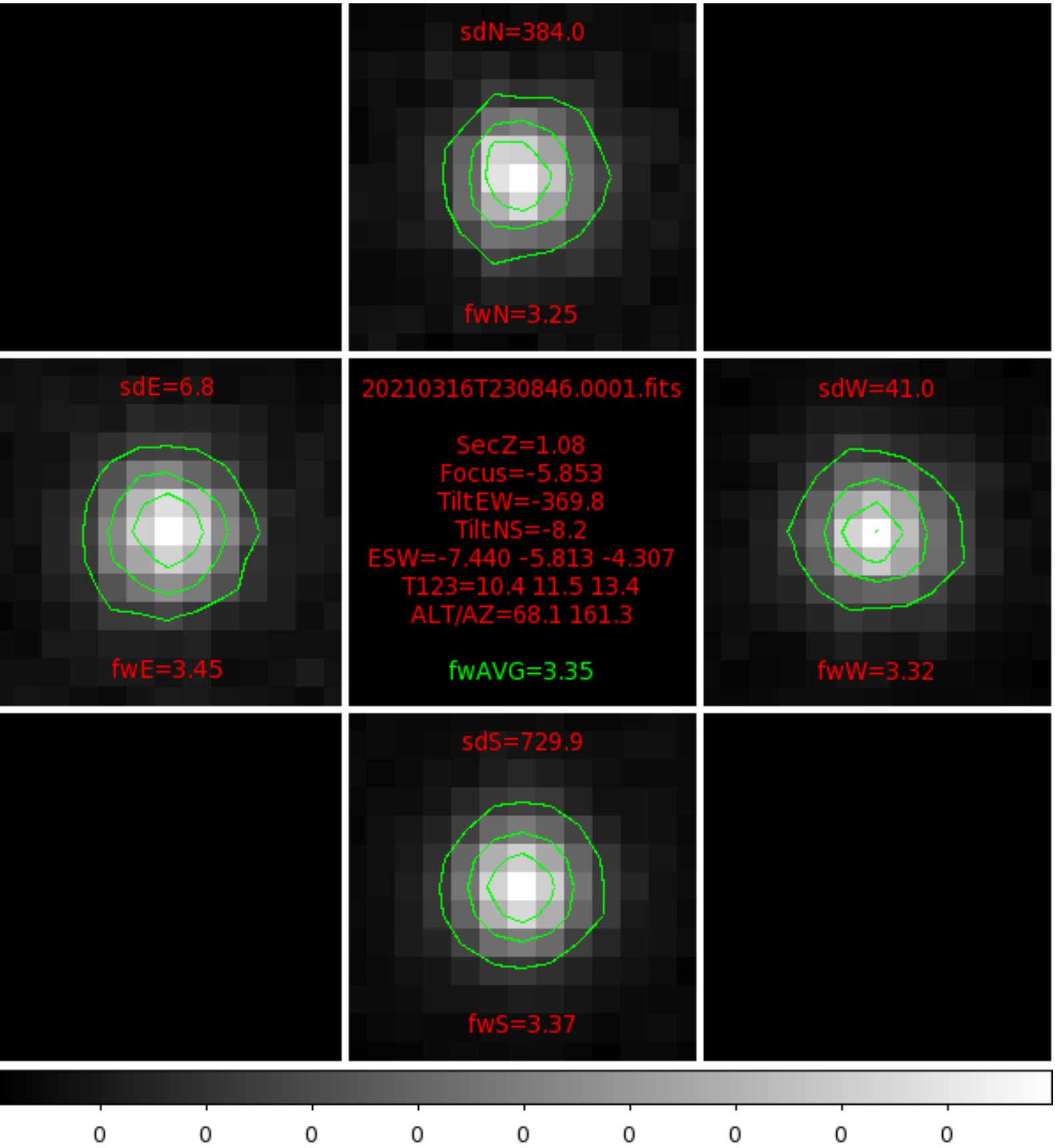
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SecZ=1.08
Focus=-5.853
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.440 -5.813 -4.307
T123=10.4 11.5 13.4
ALT/AZ=68.1 161.3
fwAVG=3.35
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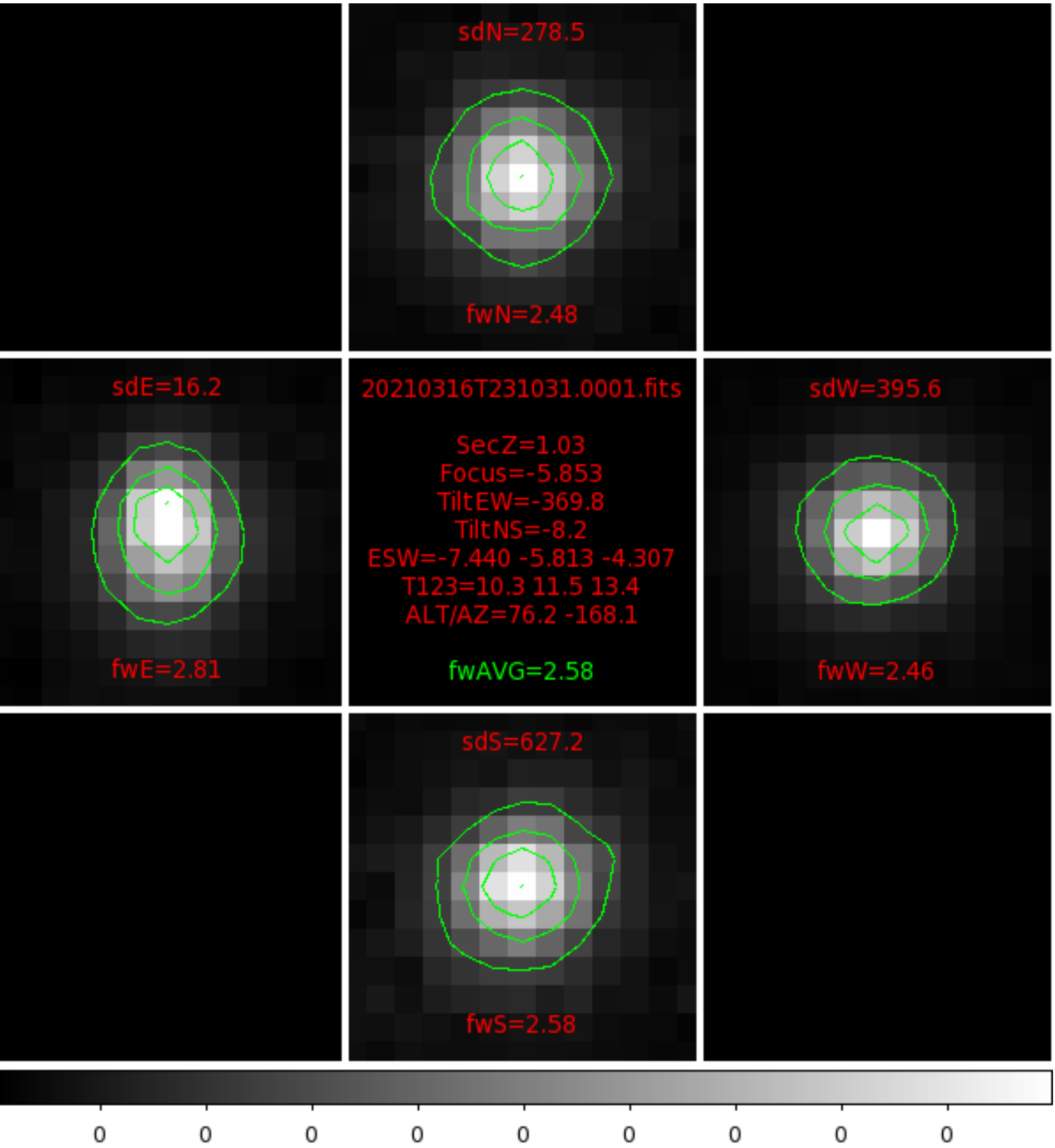
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SecZ=1.03
Focus=-5.853
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.440 -5.813 -4.307
T123=10.3 11.5 13.4
ALT/AZ=76.2 -168.1
fwAVG=2.58
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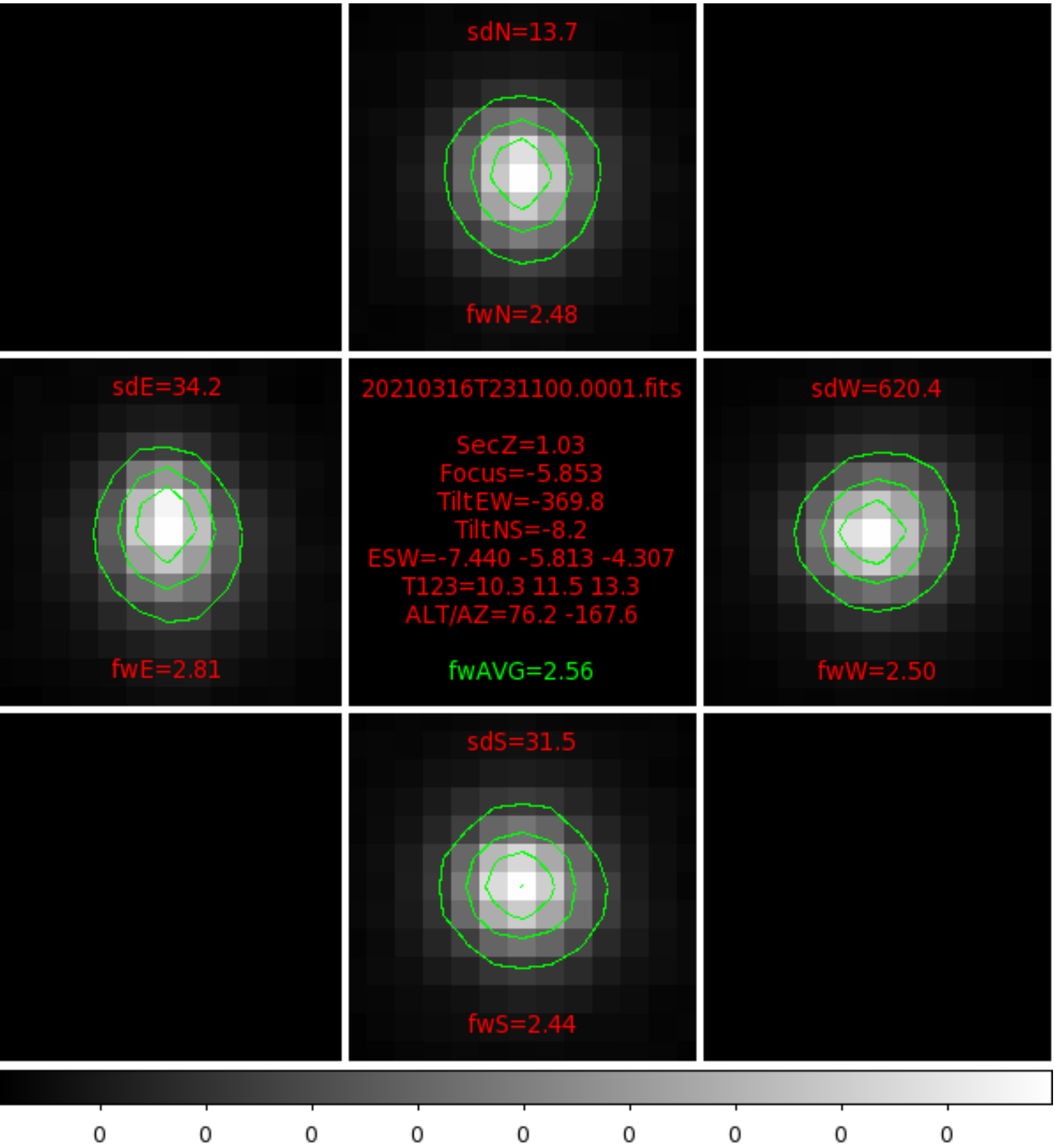
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fwE=2.81
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SecZ=1.03
Focus=-5.853
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.440 -5.813 -4.307
T123=10.3 11.5 13.3
ALT/AZ=76.2 -167.6
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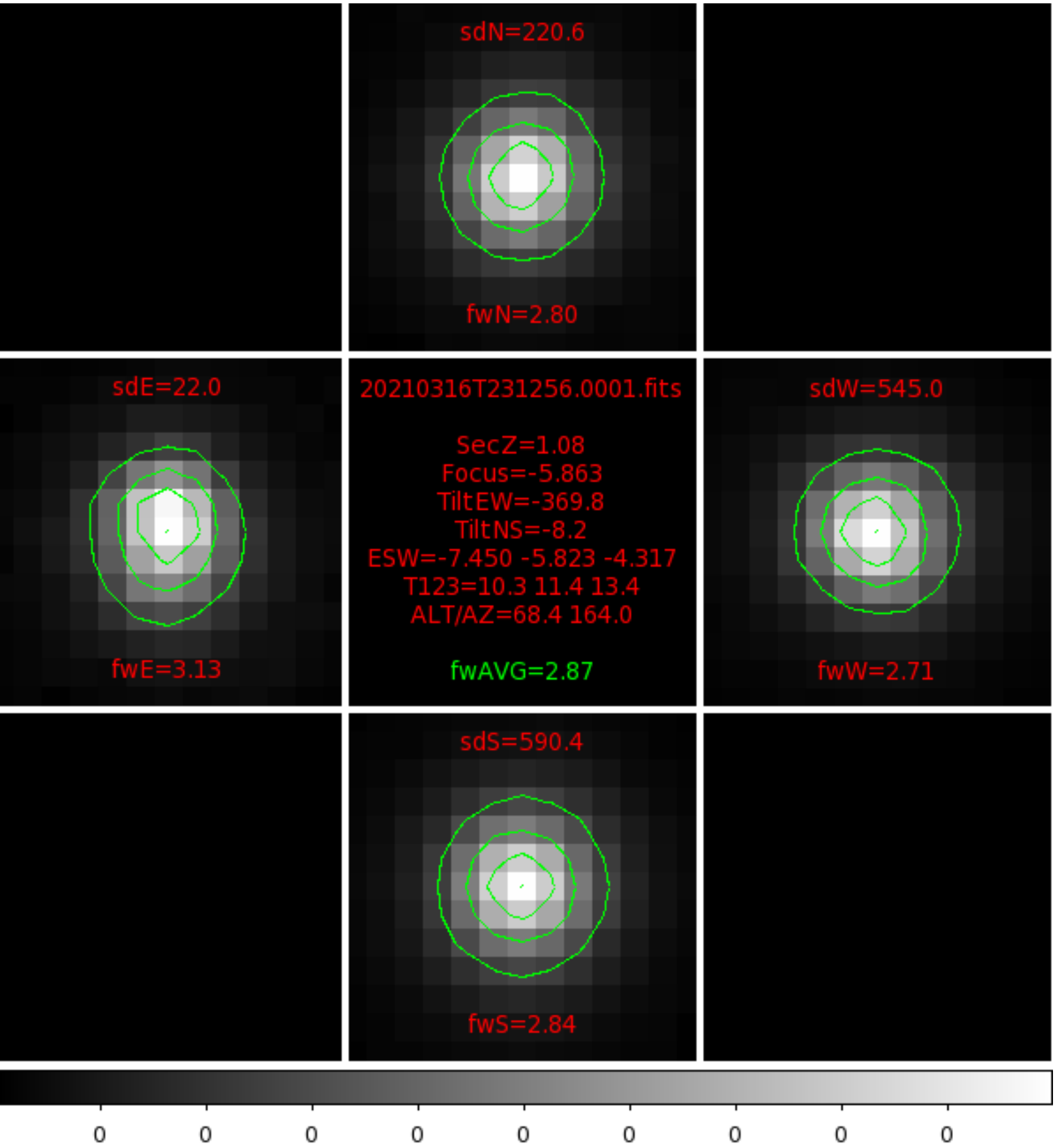
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sdE=22.0
fwE=3.13
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SecZ=1.08
Focus=-5.863
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.450 -5.823 -4.317
T123=10.3 11.4 13.4
ALT/AZ=68.4 164.0
fwAVG=2.87
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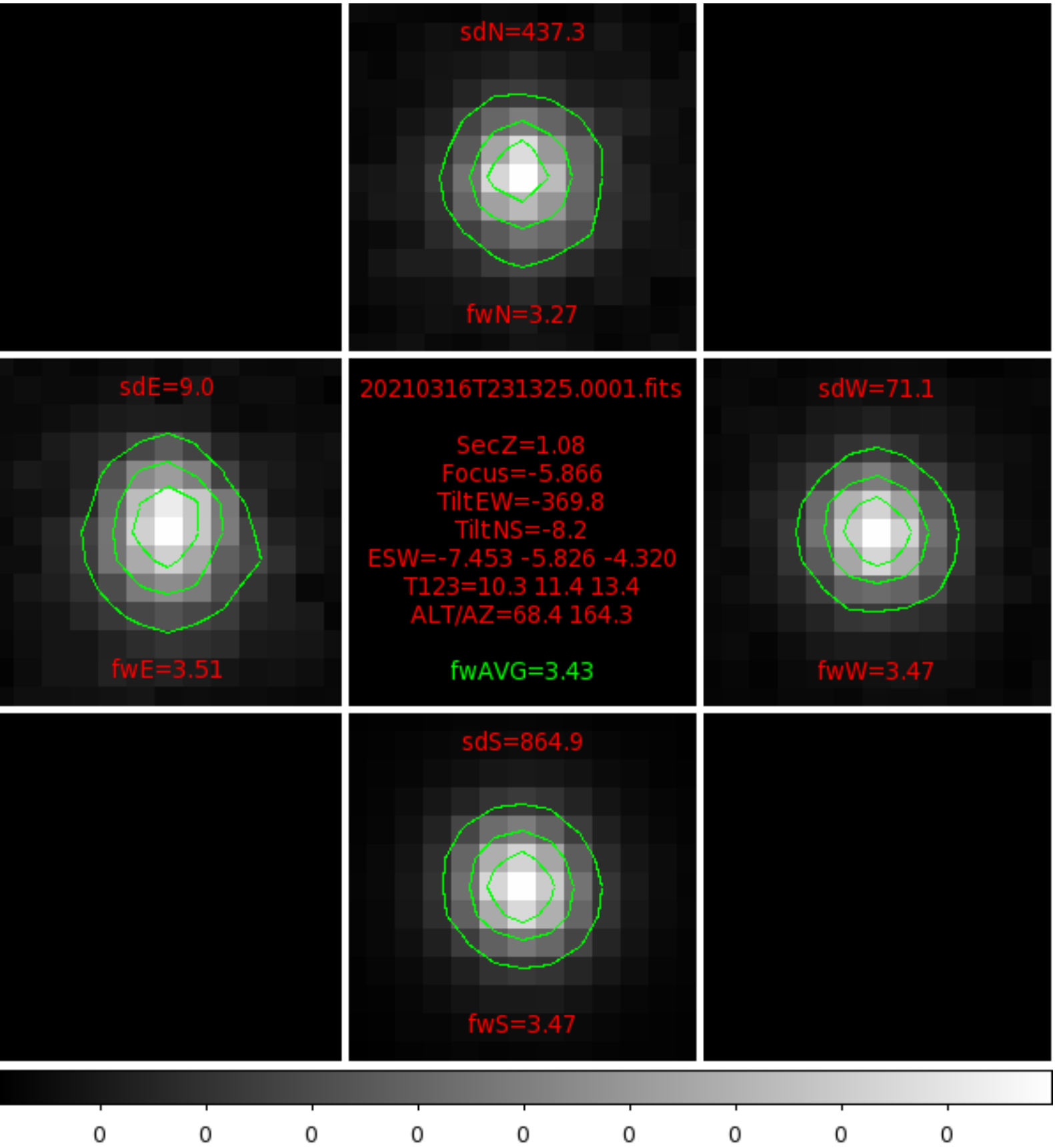
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sdE=9.0
fwE=3.51
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SecZ=1.08
Focus=-5.866
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.453 -5.826 -4.320
T123=10.3 11.4 13.4
ALT/AZ=68.4 164.3
fwAVG=3.43
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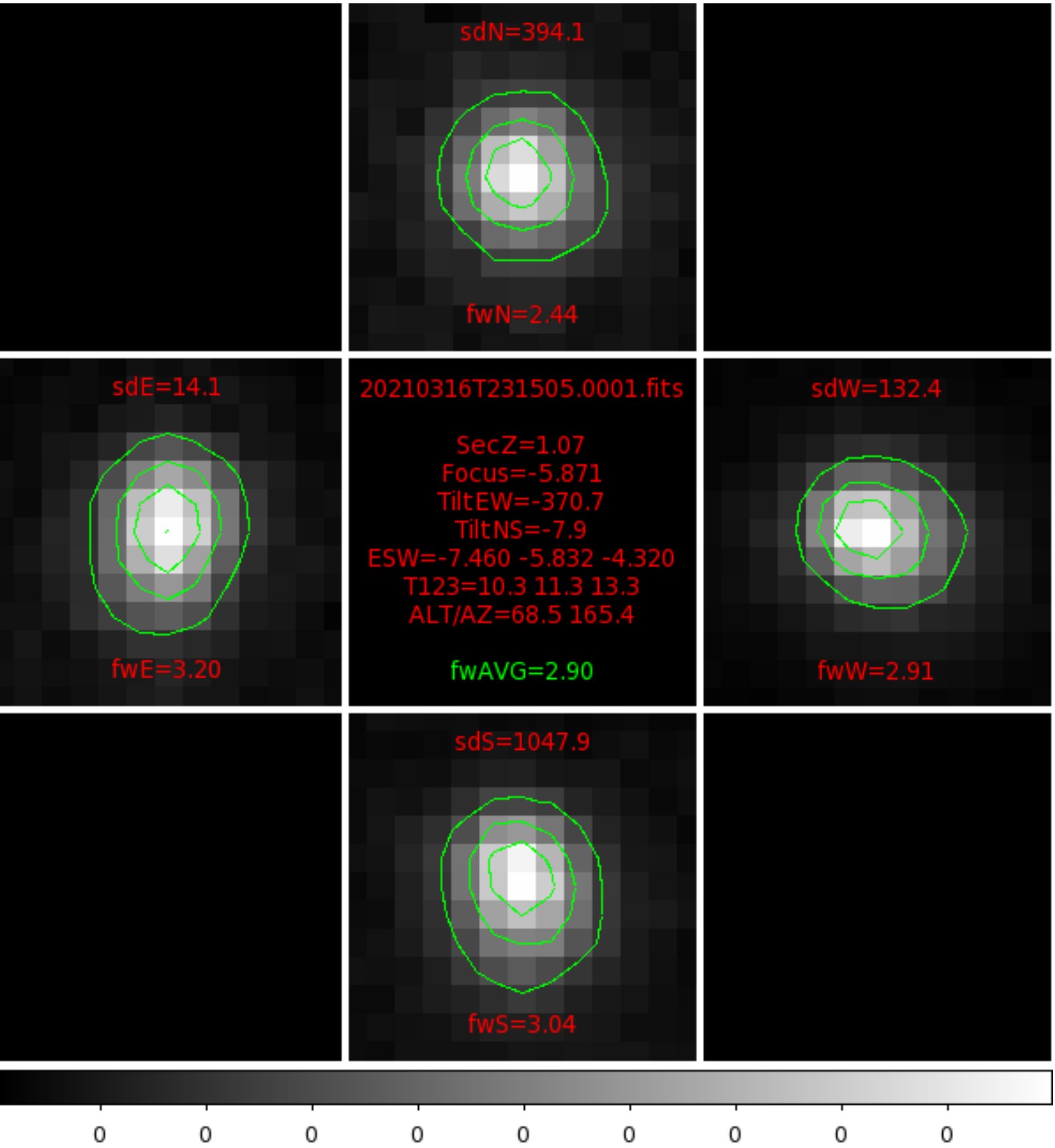
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sdE=14.1
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SecZ=1.07
Focus=-5.871
TiltEW=-370.7
TiltNS=-7.9
ESW=-7.460 -5.832 -4.320
T123=10.3 11.3 13.3
ALT/AZ=68.5 165.4
fwAVG=2.90
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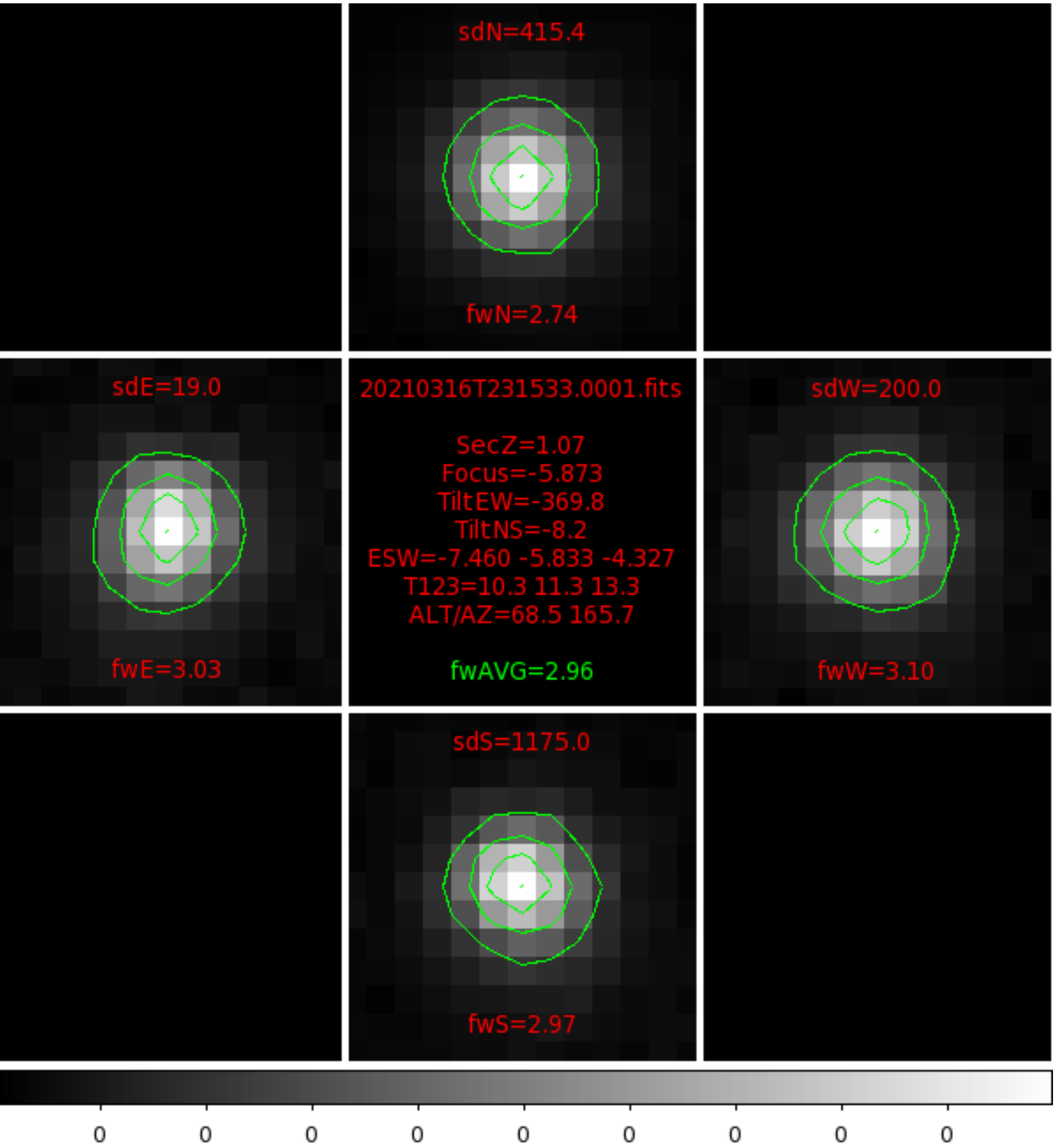
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sdE=19.0
fwE=3.03
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SecZ=1.07
Focus=-5.873
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.460 -5.833 -4.327
T123=10.3 11.3 13.3
ALT/AZ=68.5 165.7
fwAVG=2.96
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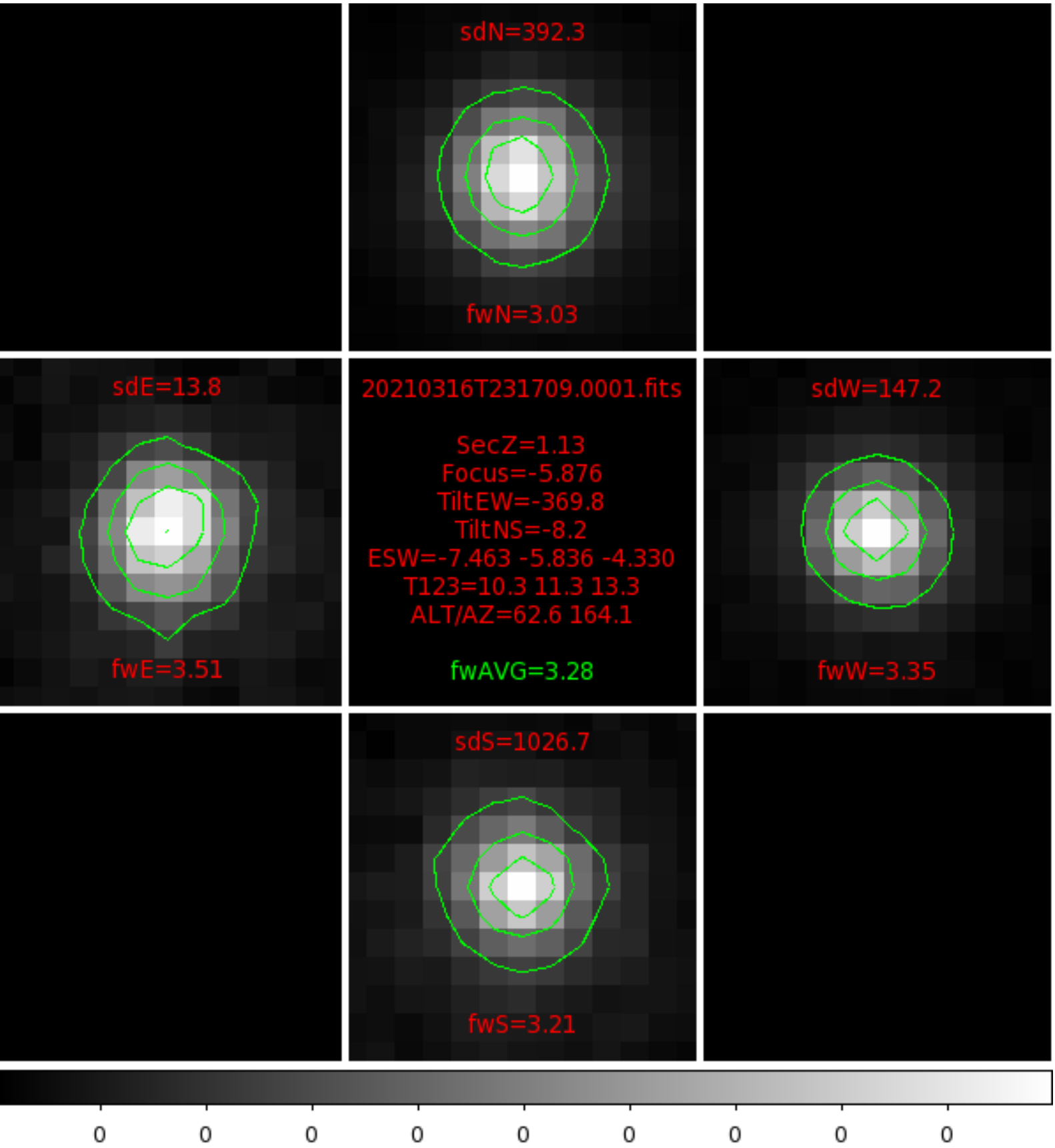
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SecZ=1.13
Focus=-5.876
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.463 -5.836 -4.330
T123=10.3 11.3 13.3
ALT/AZ=62.6 164.1
fwAVG=3.28
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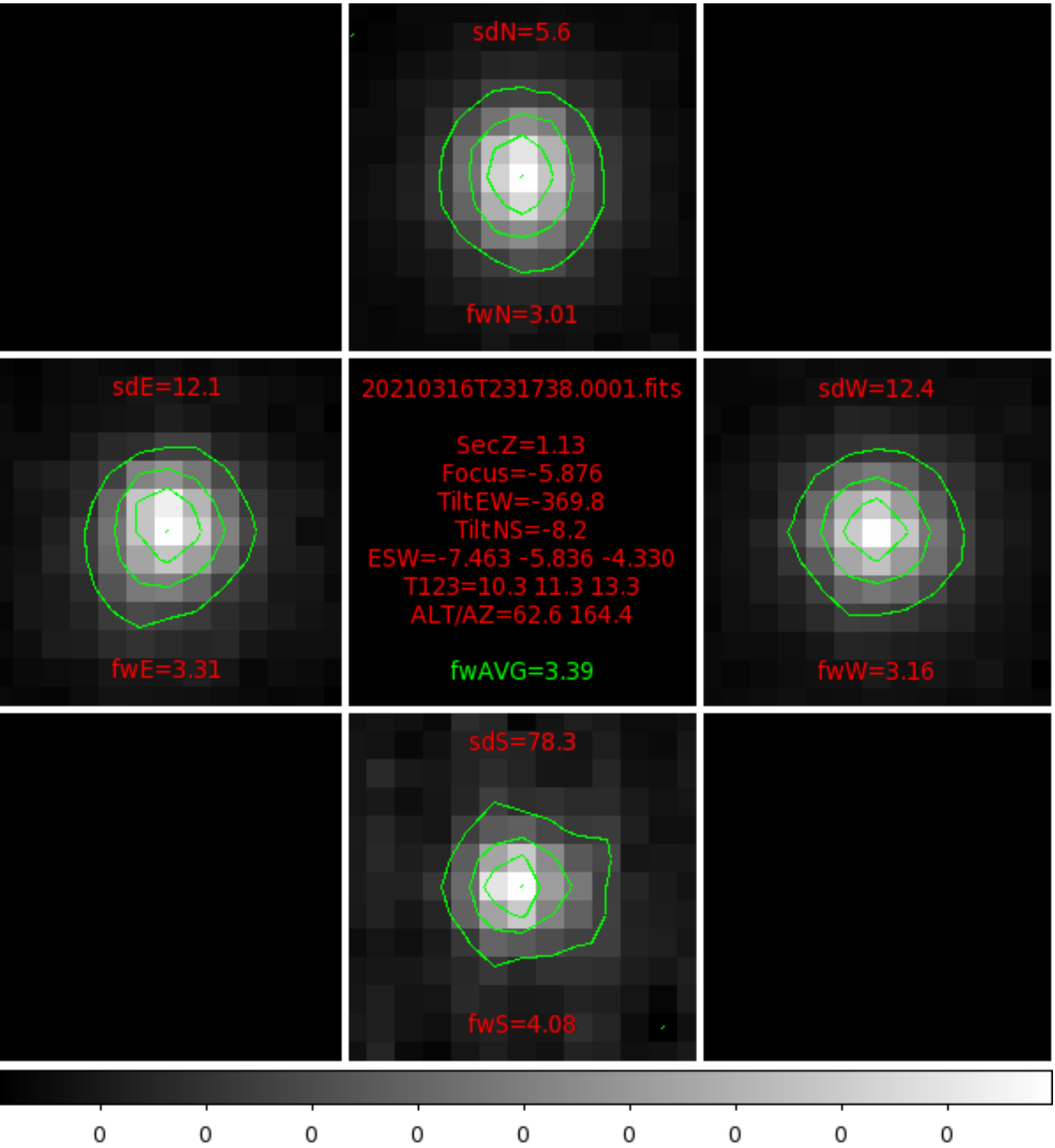
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SecZ=1.13
Focus=-5.876
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.463 -5.836 -4.330
T123=10.3 11.3 13.3
ALT/AZ=62.6 164.4
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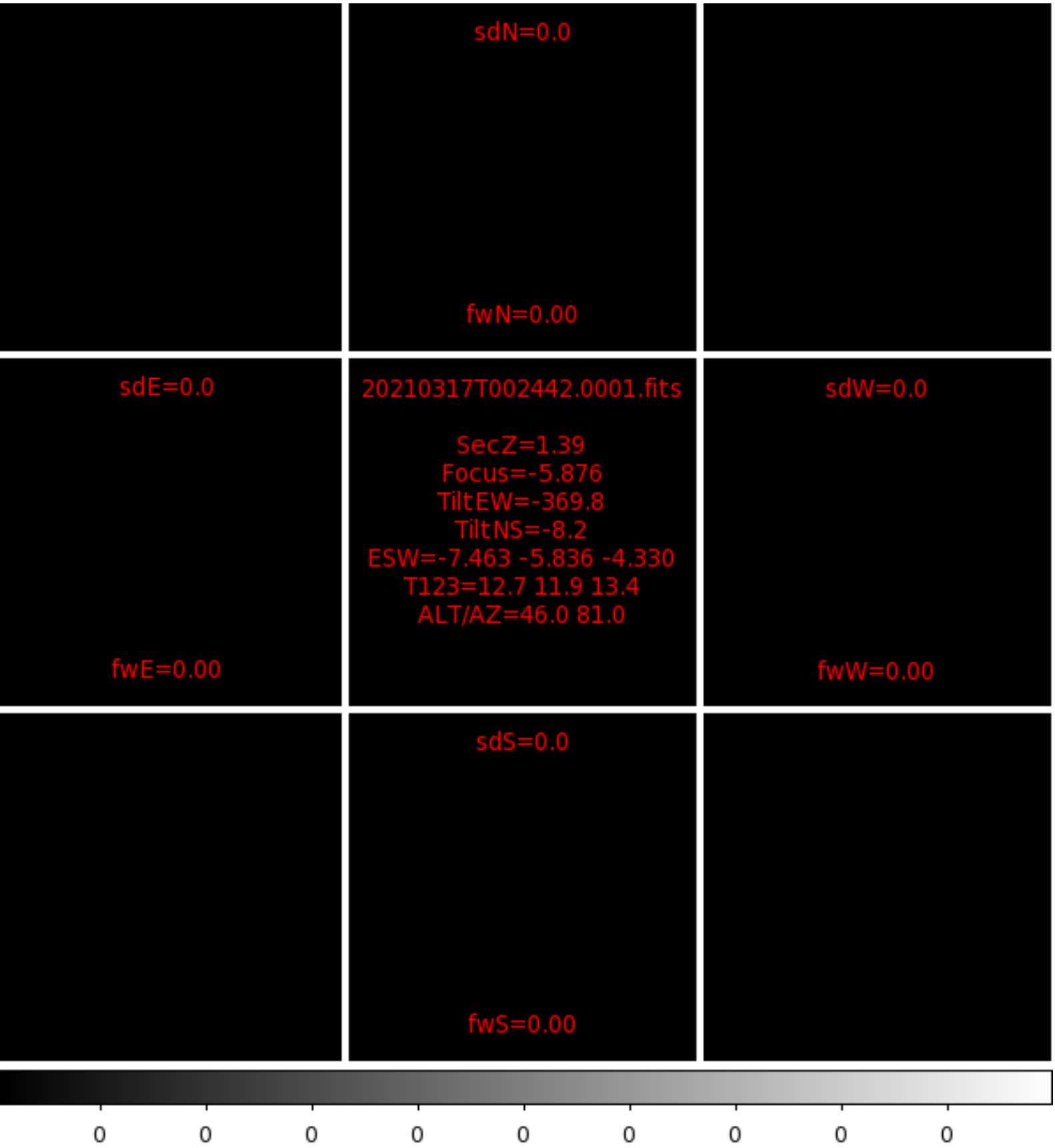
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20210317T002442.0001.fits
SecZ=1.39
Focus=-5.876
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.463 -5.836 -4.330
T123=12.7 11.9 13.4
ALT/AZ=46.0 81.0
sdW=0.0
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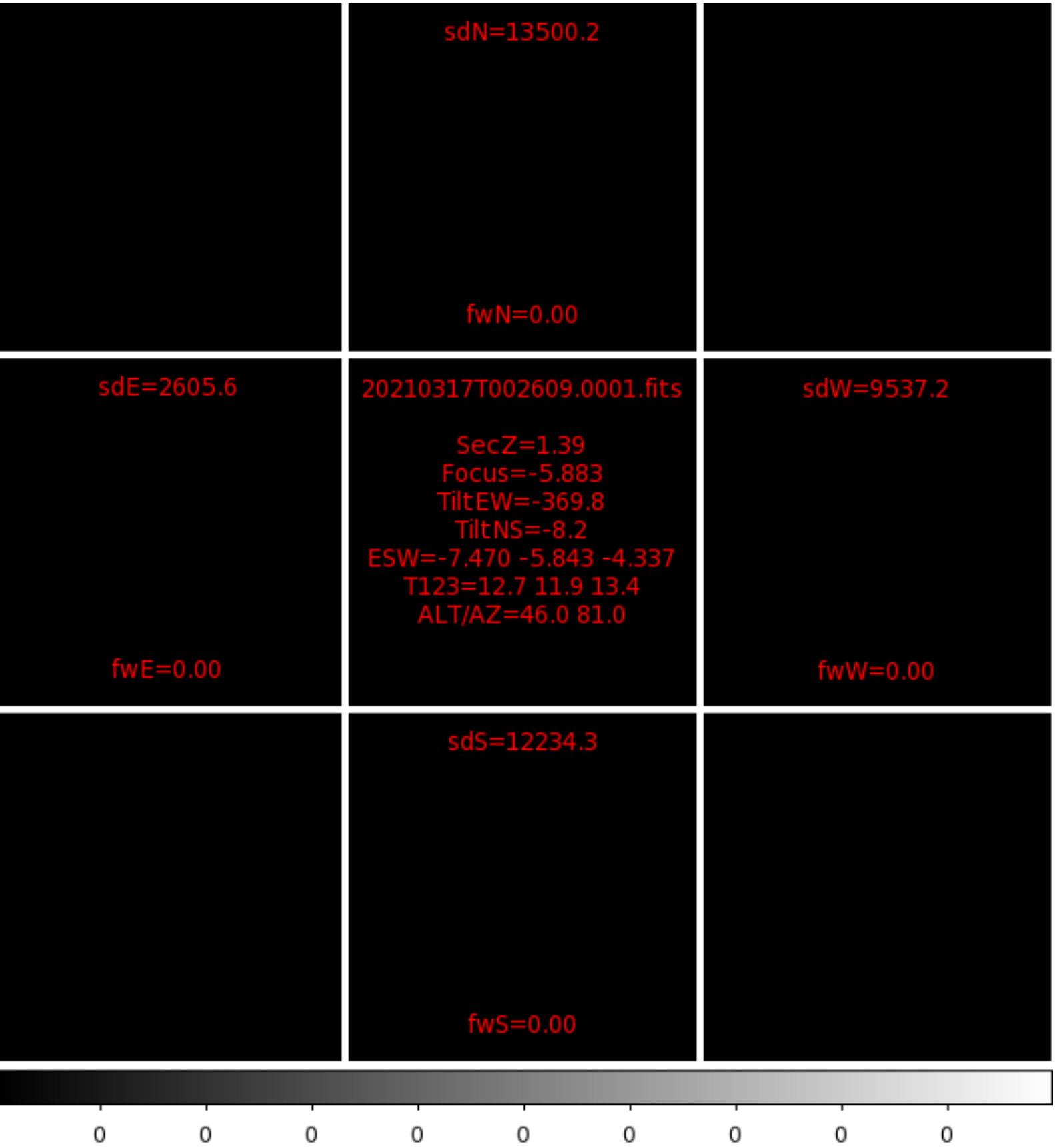
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TiltNS=-8.2
ESW=-7.470 -5.843 -4.337
T123=12.7 11.9 13.4
ALT/AZ=46.0 81.0
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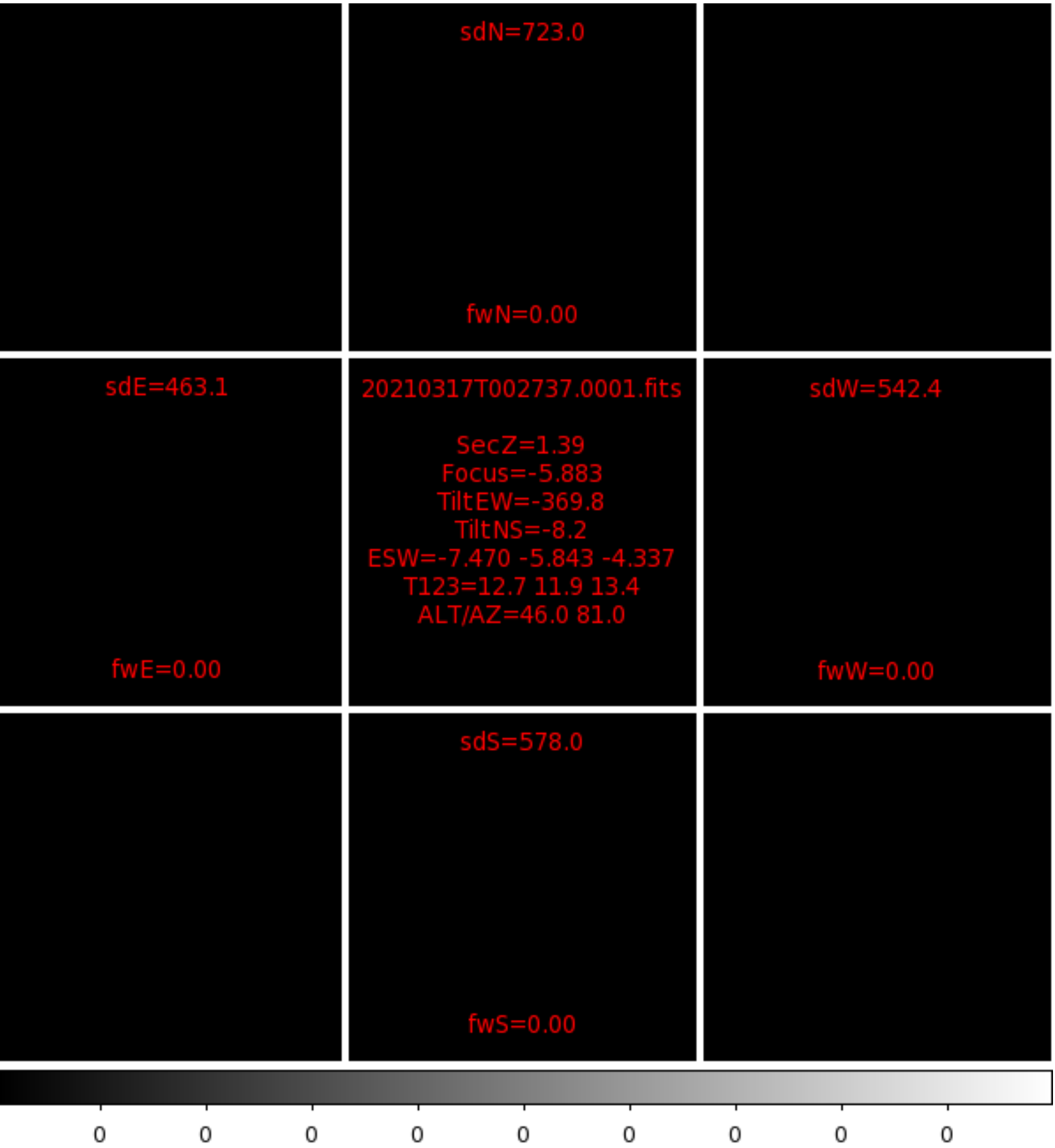
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TiltNS=-8.2
ESW=-7.470 -5.843 -4.337
T123=12.7 11.9 13.4
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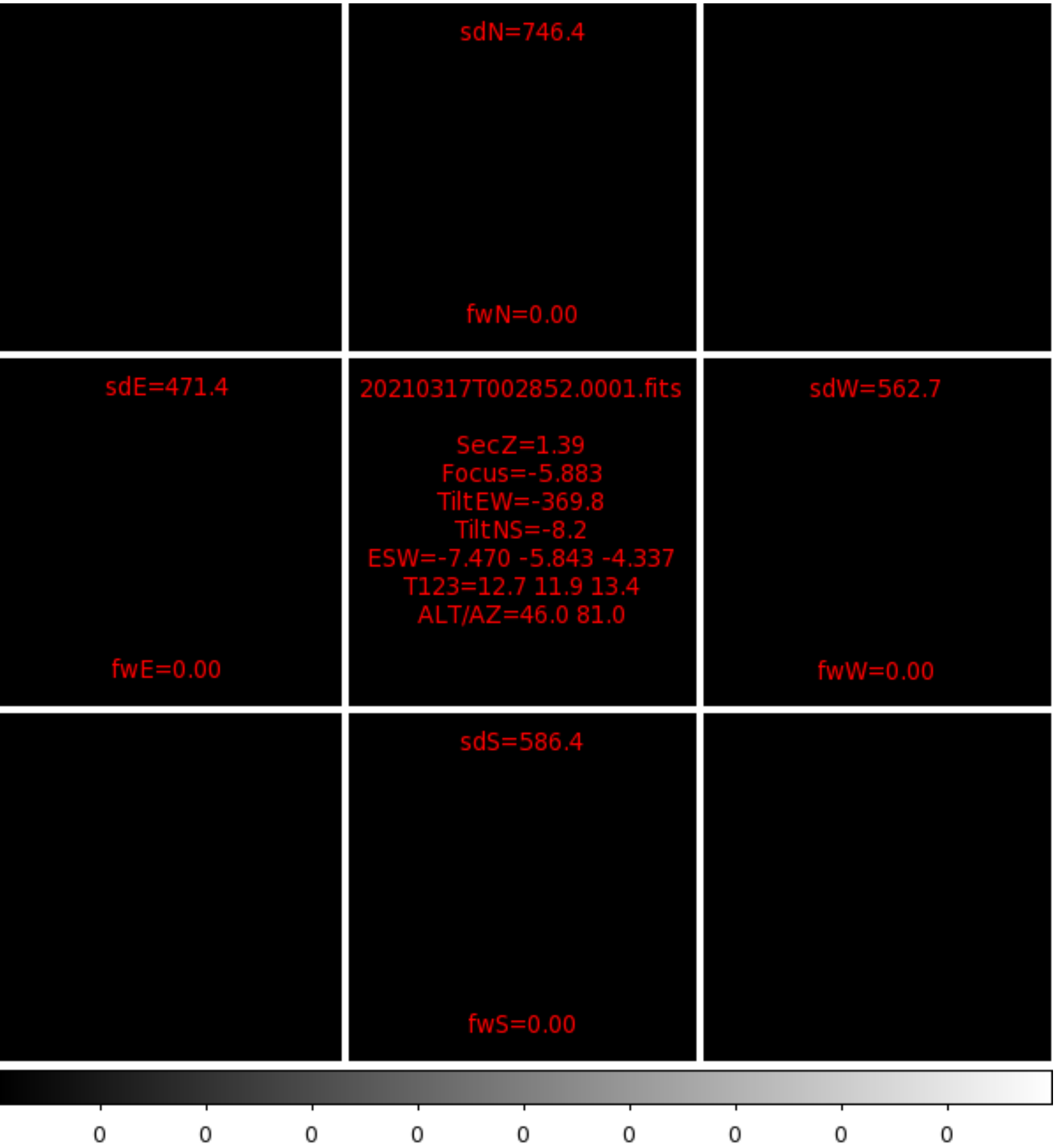
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SecZ=1.39
Focus=-5.883
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TiltNS=-8.2
ESW=-7.470 -5.843 -4.337
T123=12.7 11.9 13.4
ALT/AZ=46.0 81.0
sdW=562.7
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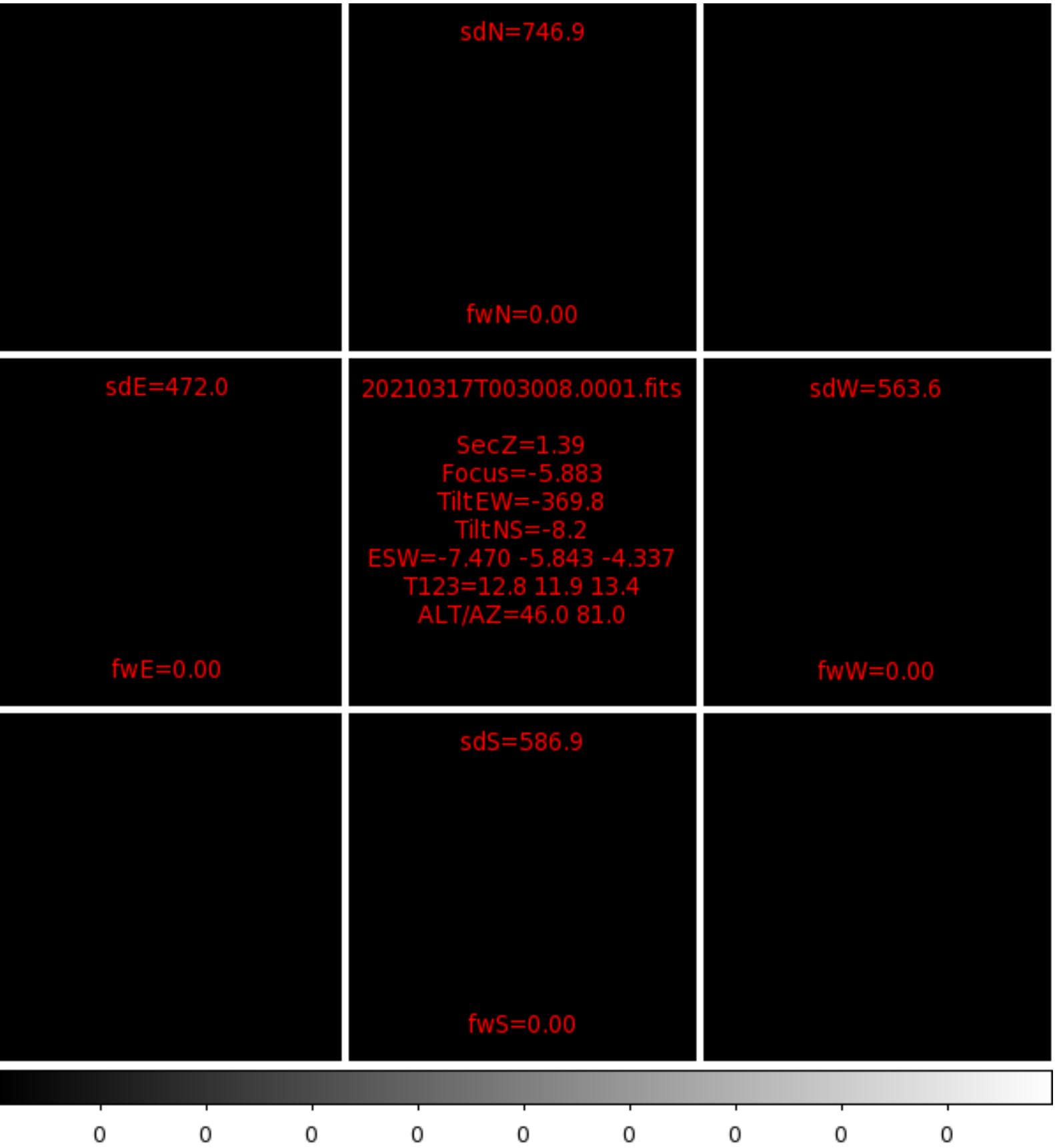
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SecZ=1.39
Focus=-5.883
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ESW=-7.470 -5.843 -4.337
T123=12.8 11.9 13.4
ALT/AZ=46.0 81.0
sdW=563.6
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fwS=0.00
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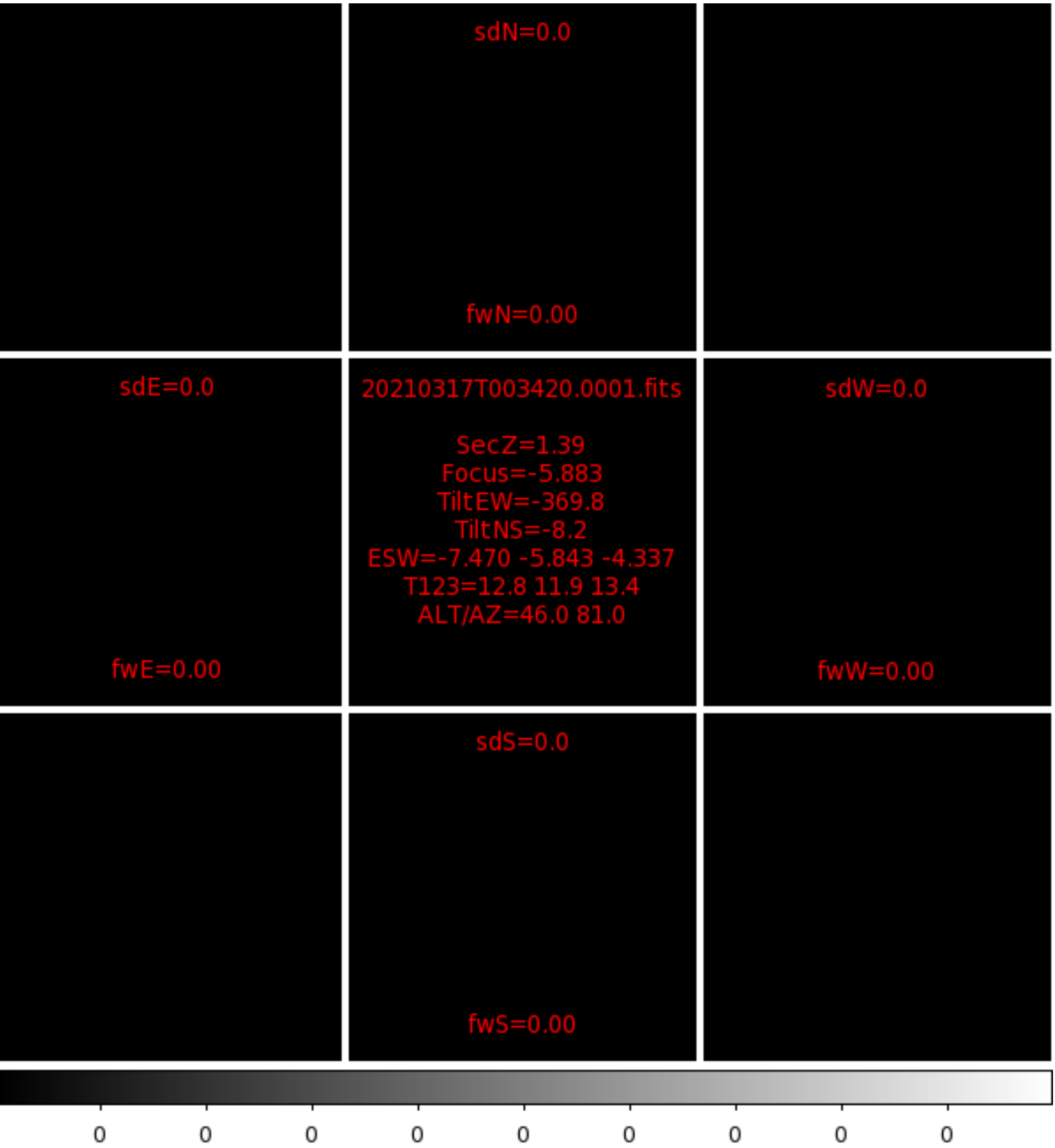
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SecZ=1.39
Focus=-5.883
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.470 -5.843 -4.337
T123=12.8 11.9 13.4
ALT/AZ=46.0 81.0
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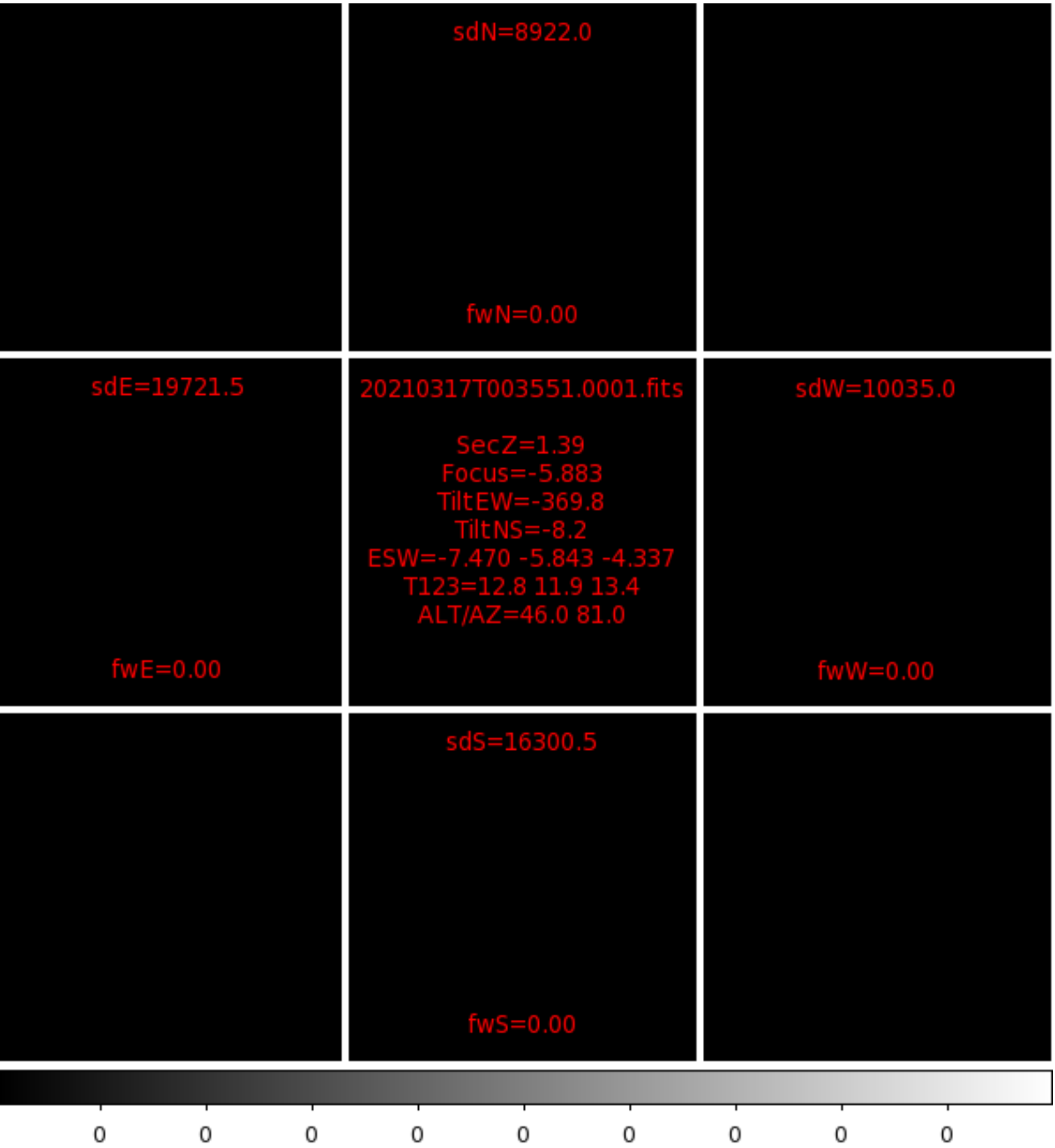
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ESW=-7.470 -5.843 -4.337
T123=12.8 11.9 13.4
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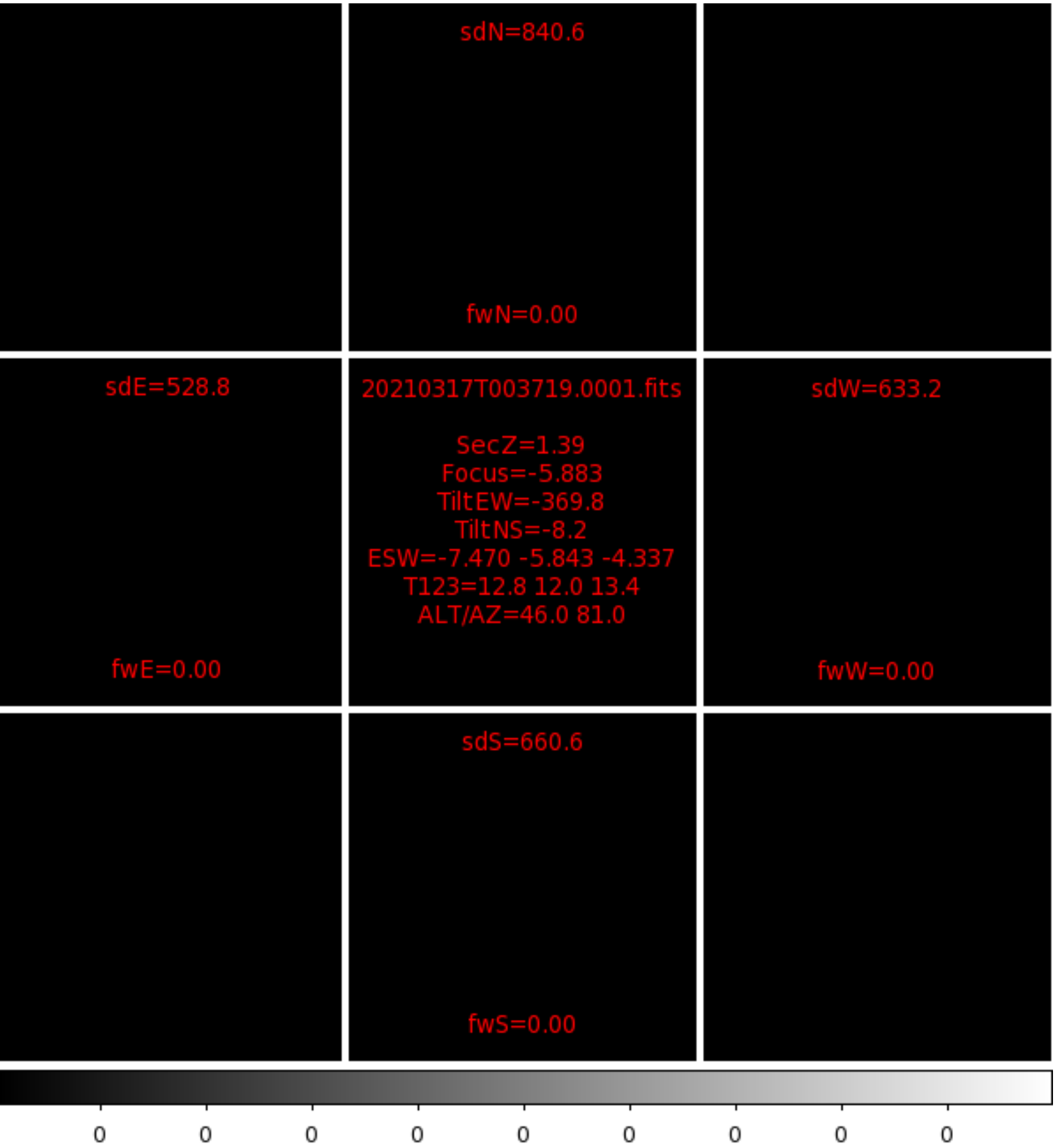
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ESW=-7.470 -5.843 -4.337
T123=12.8 12.0 13.4
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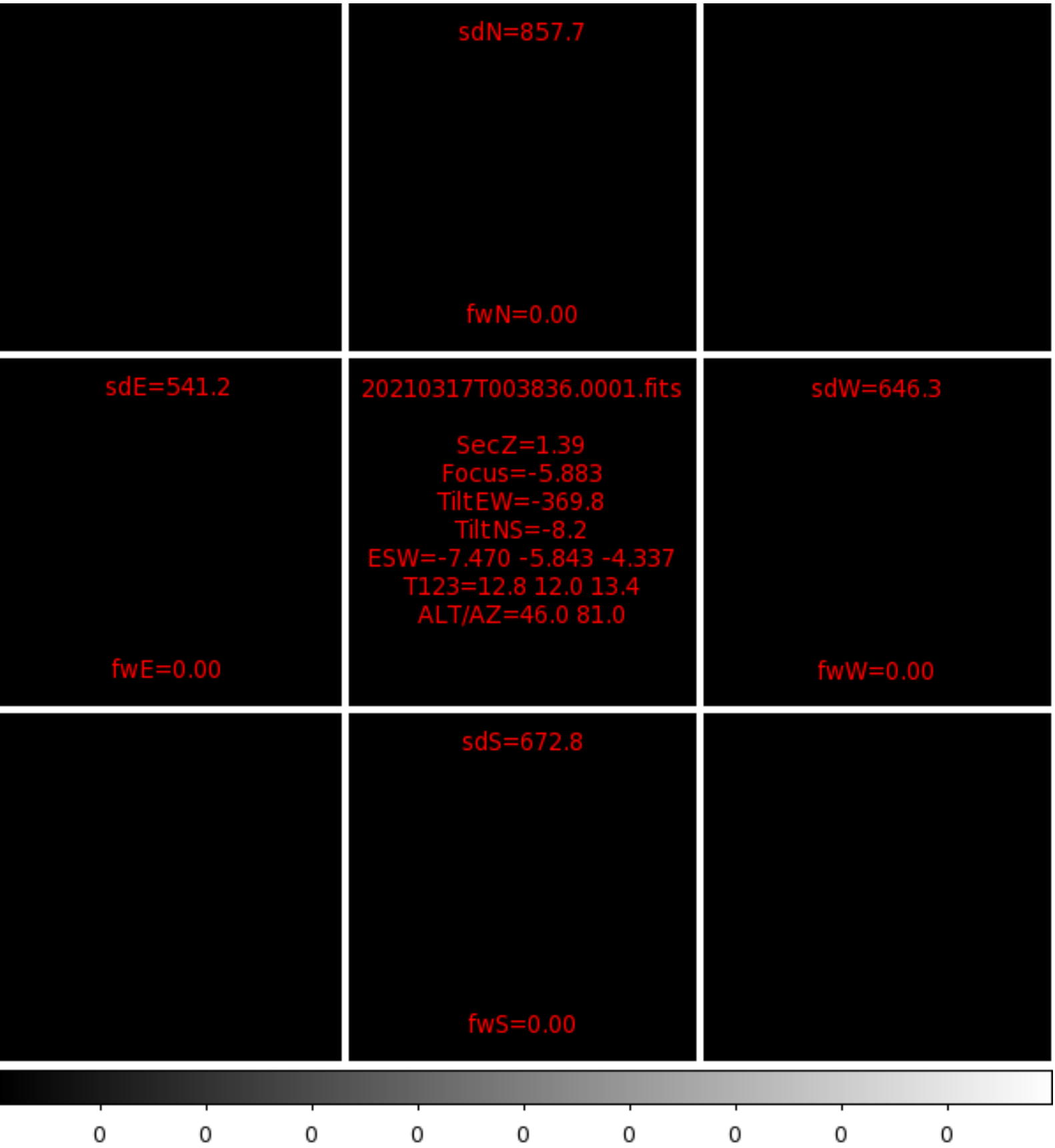
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TiltNS=-8.2
ESW=-7.470 -5.843 -4.337
T123=12.8 12.0 13.4
ALT/AZ=46.0 81.0
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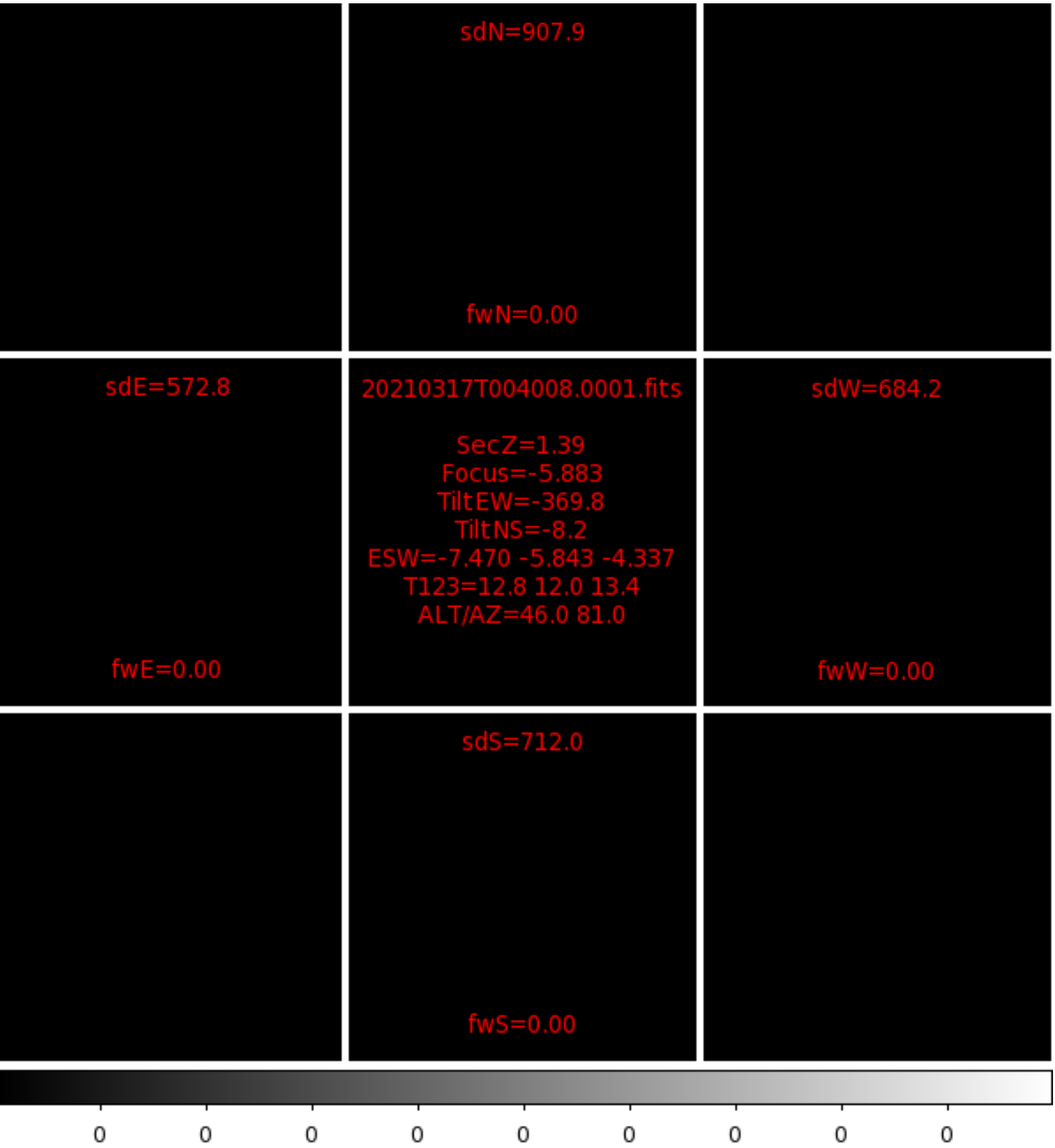
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TiltNS=-8.2
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T123=12.8 12.0 13.4
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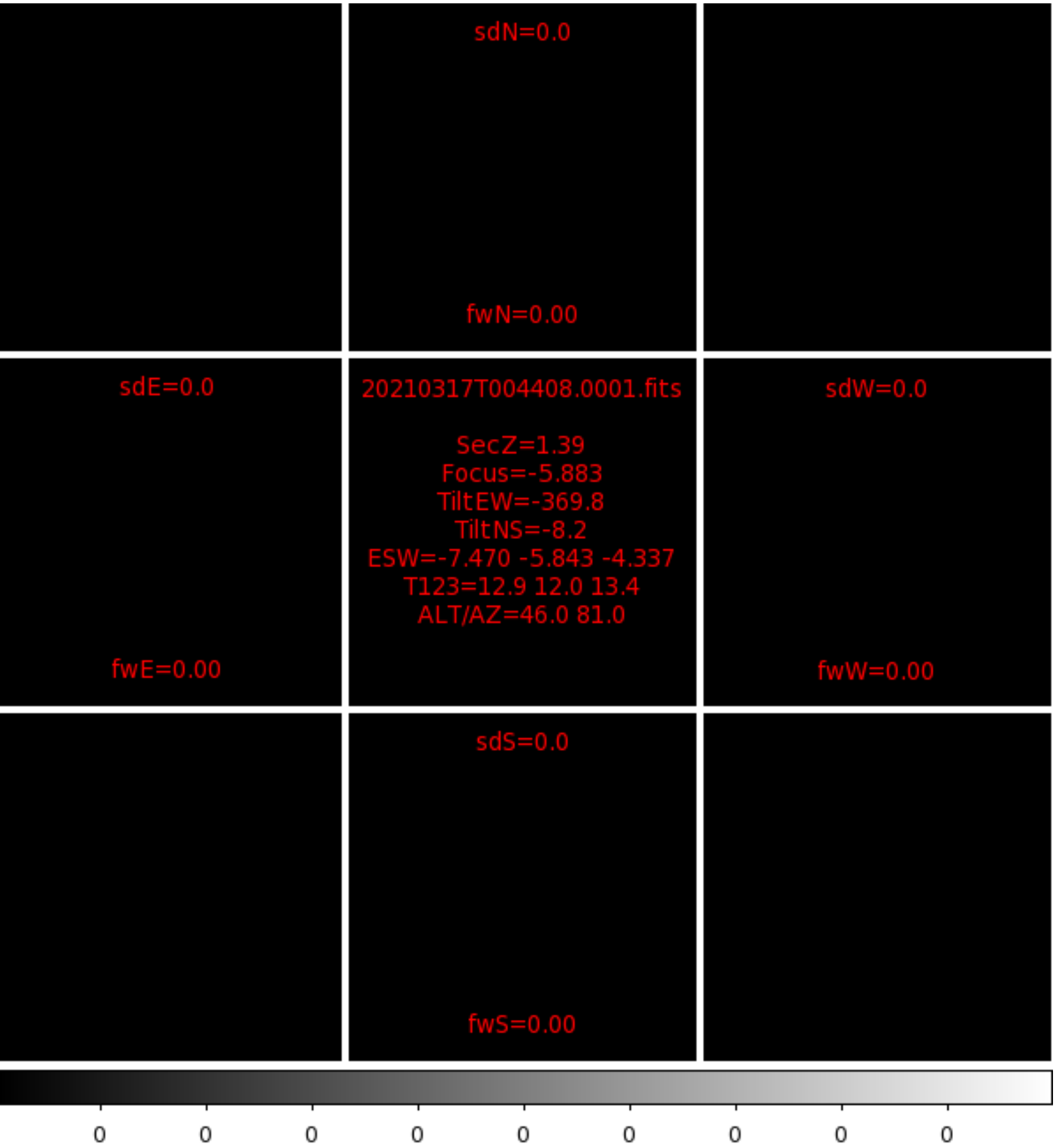
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Focus=-5.883
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TiltNS=-8.2
ESW=-7.470 -5.843 -4.337
T123=12.9 12.0 13.4
ALT/AZ=46.0 81.0
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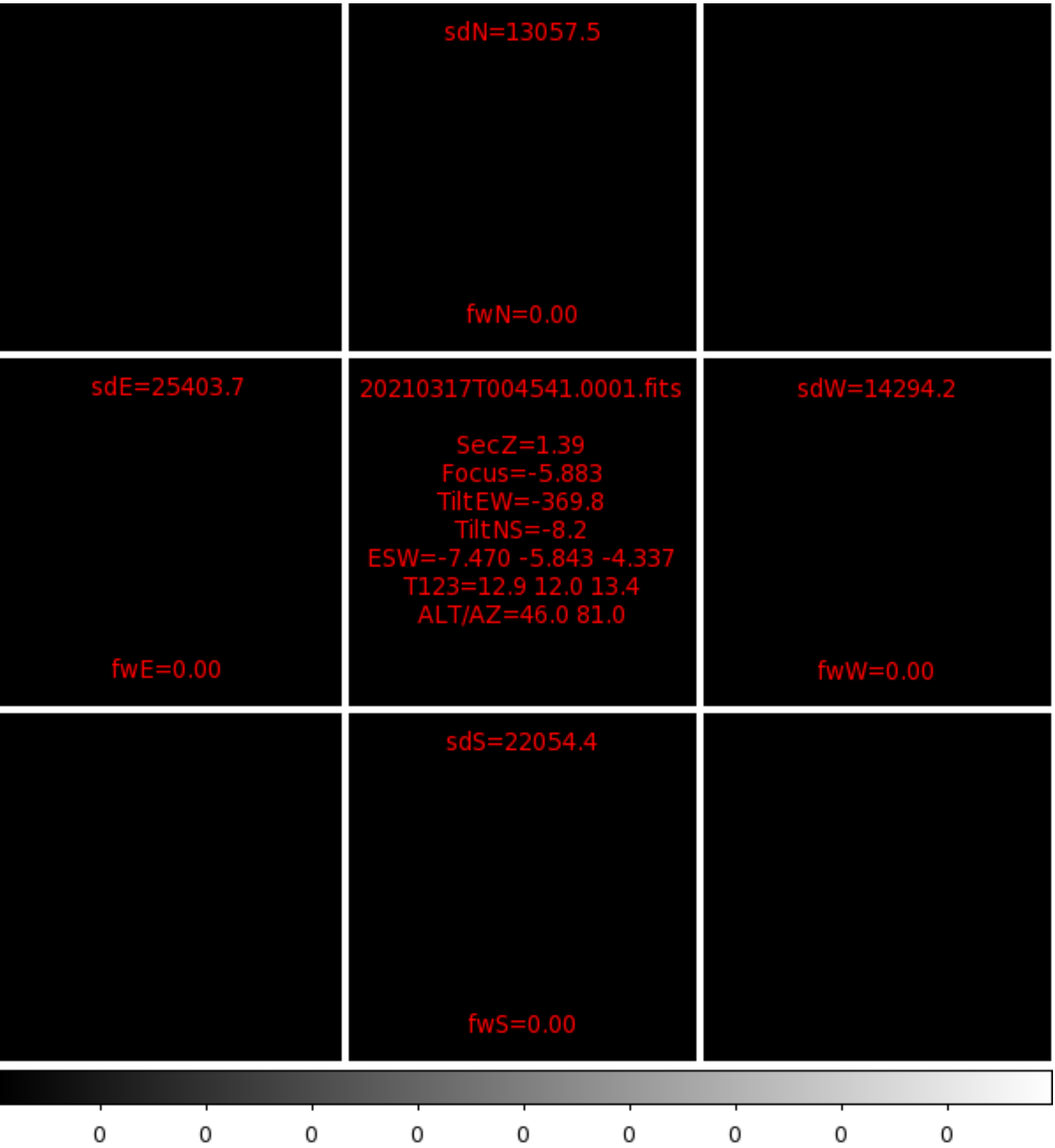
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ESW=-7.470 -5.843 -4.337
T123=12.9 12.0 13.4
ALT/AZ=46.0 81.0
sdW=14294.2
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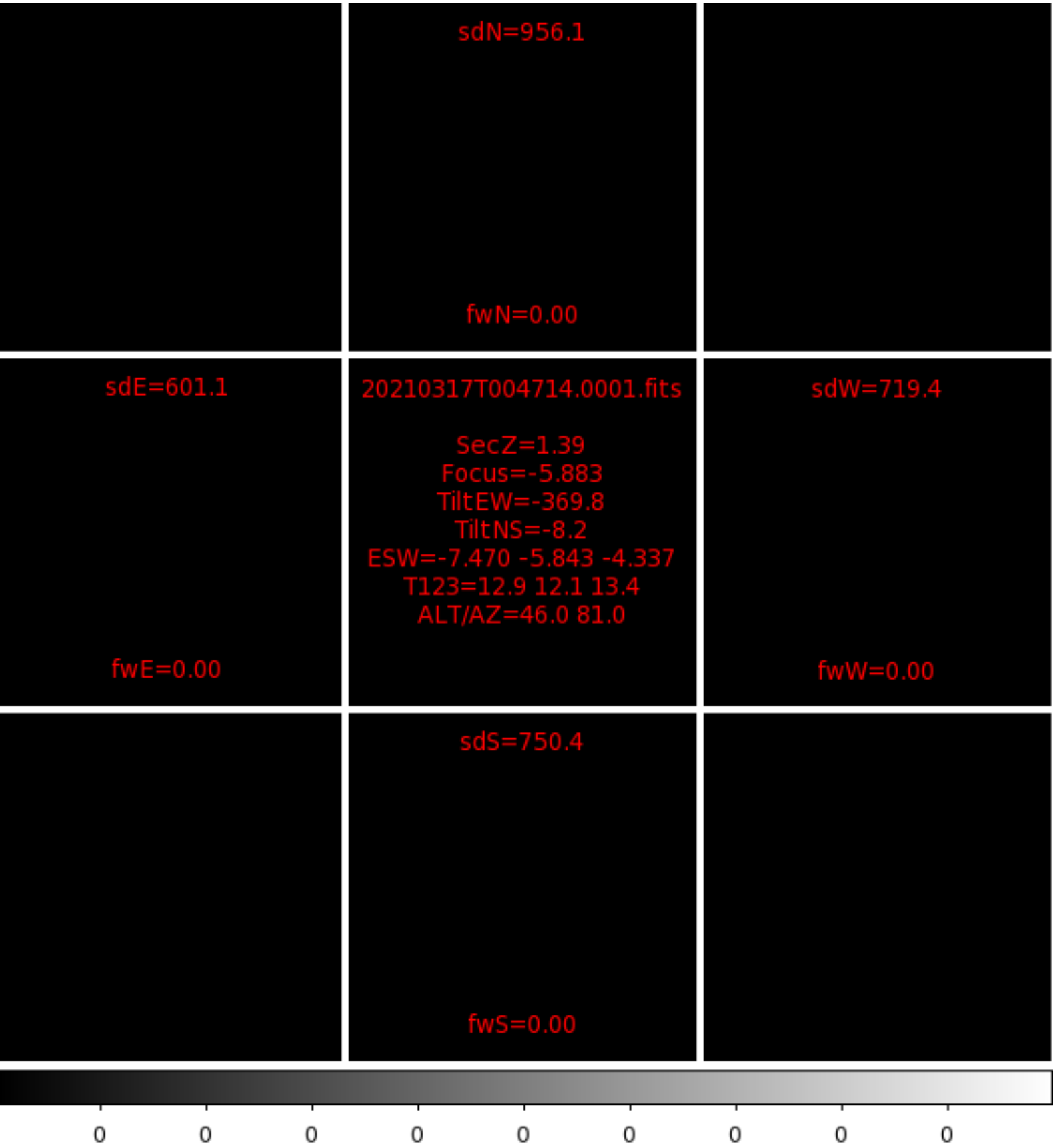
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SecZ=1.39
Focus=-5.883
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ESW=-7.470 -5.843 -4.337
T123=12.9 12.1 13.4
ALT/AZ=46.0 81.0
sdW=719.4
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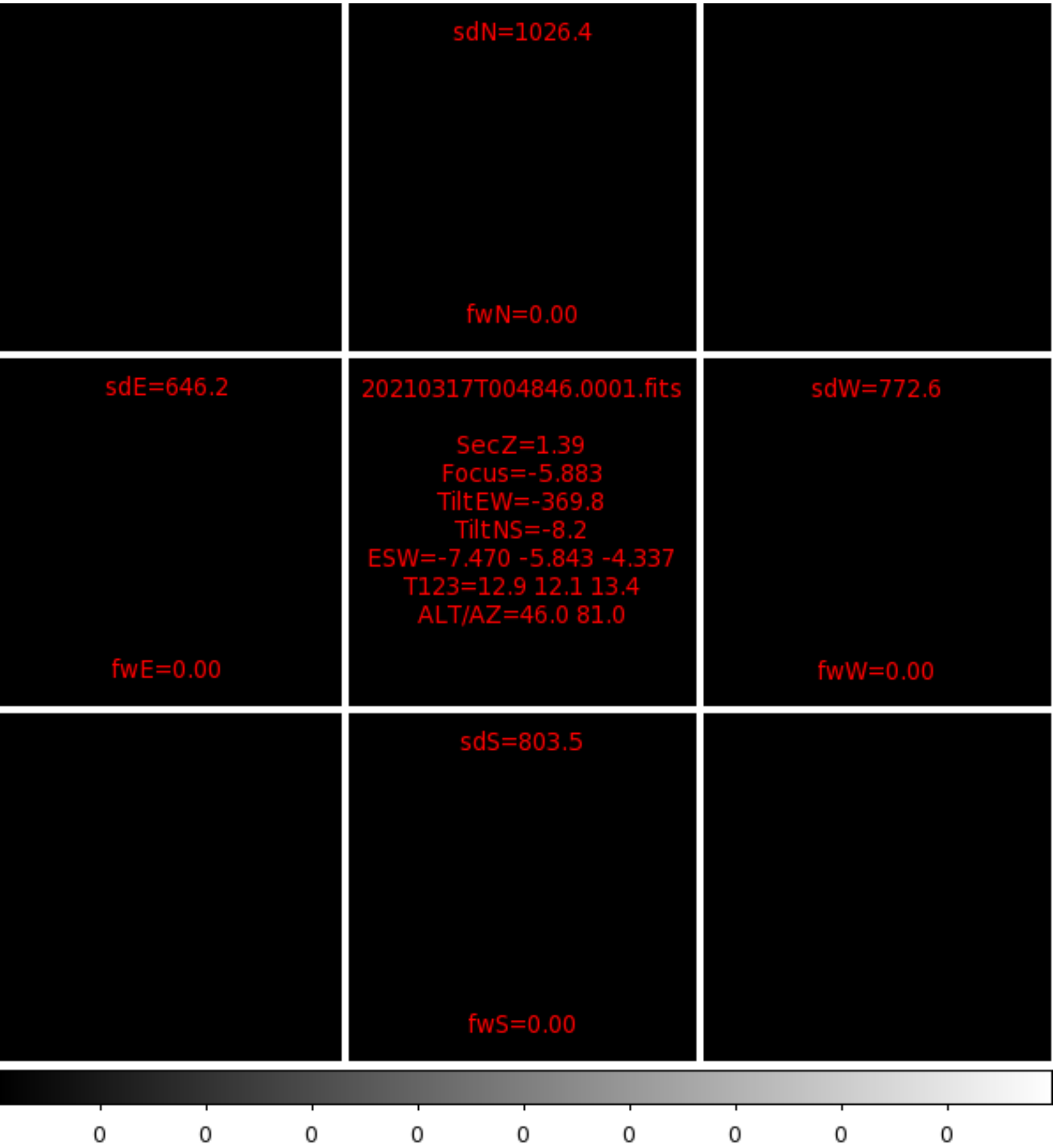
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SecZ=1.39
Focus=-5.883
TiltEW=-369.8
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ESW=-7.470 -5.843 -4.337
T123=12.9 12.1 13.4
ALT/AZ=46.0 81.0
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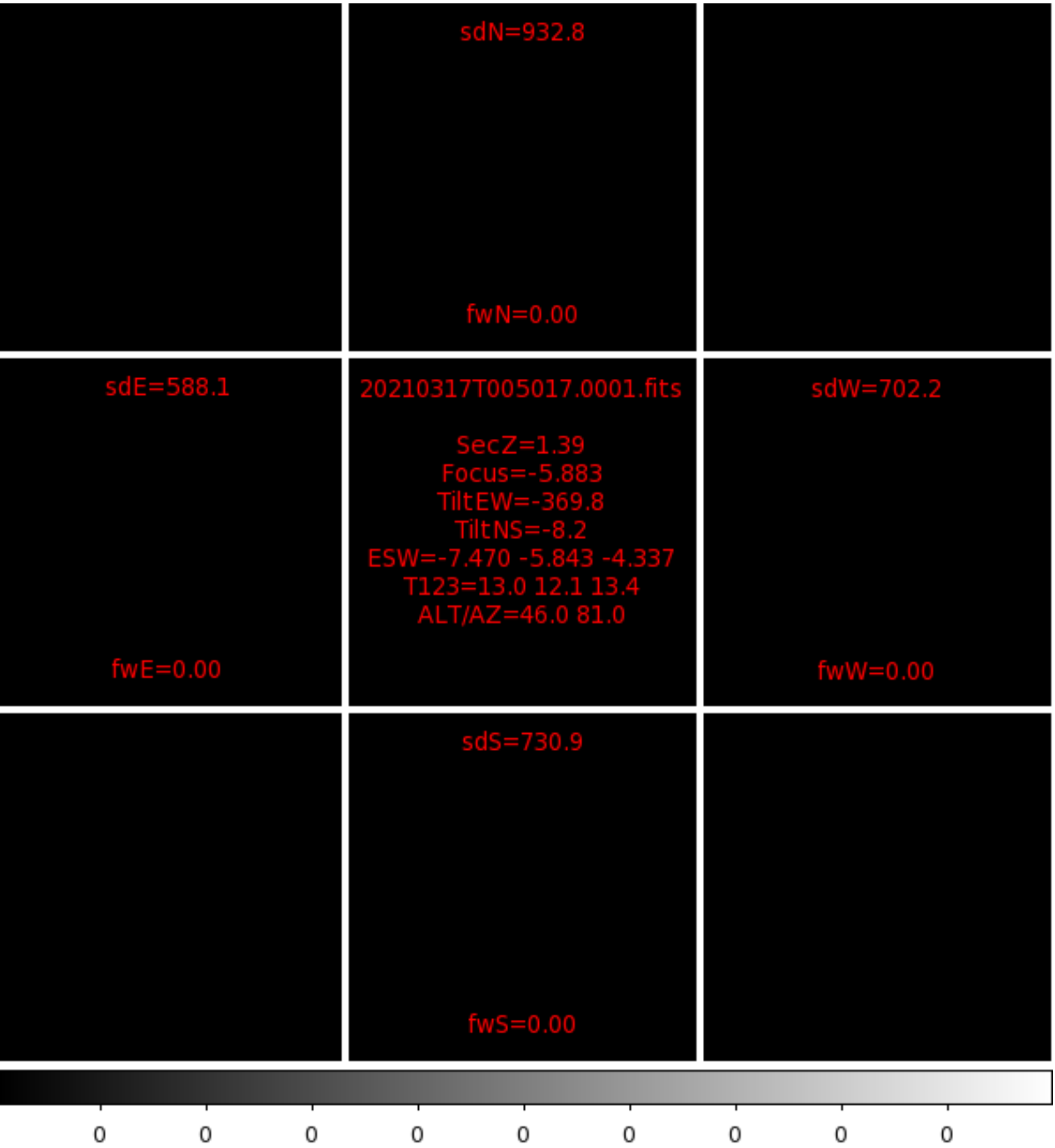
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SecZ=1.39
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ESW=-7.470 -5.843 -4.337
T123=13.0 12.1 13.4
ALT/AZ=46.0 81.0
sdW=702.2
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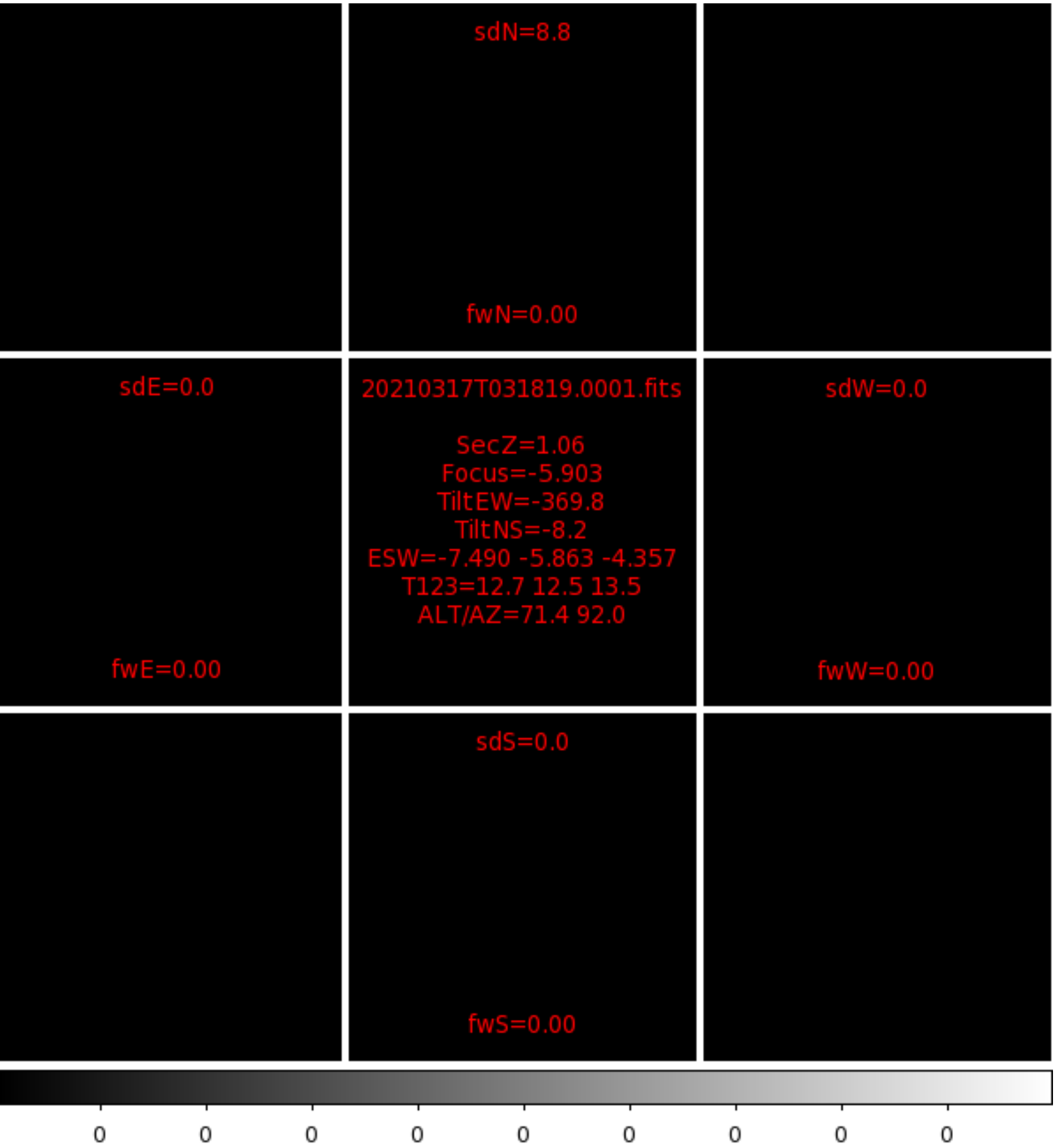
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SecZ=1.06
Focus=-5.903
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.490 -5.863 -4.357
T123=12.7 12.5 13.5
ALT/AZ=71.4 92.0
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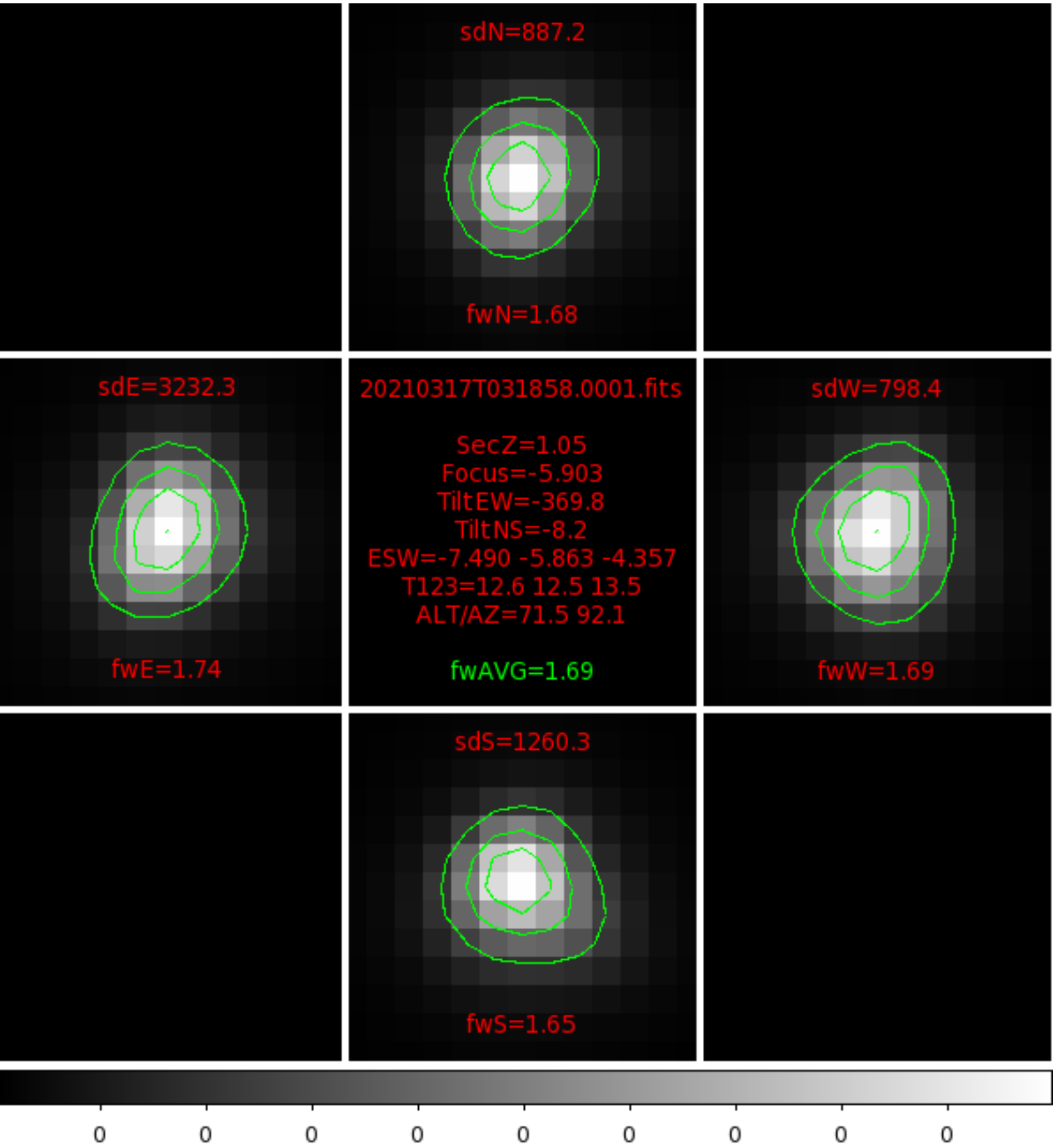
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sdE=3232.3
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SecZ=1.05
Focus=-5.903
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TiltNS=-8.2
ESW=-7.490 -5.863 -4.357
T123=12.6 12.5 13.5
ALT/AZ=71.5 92.1
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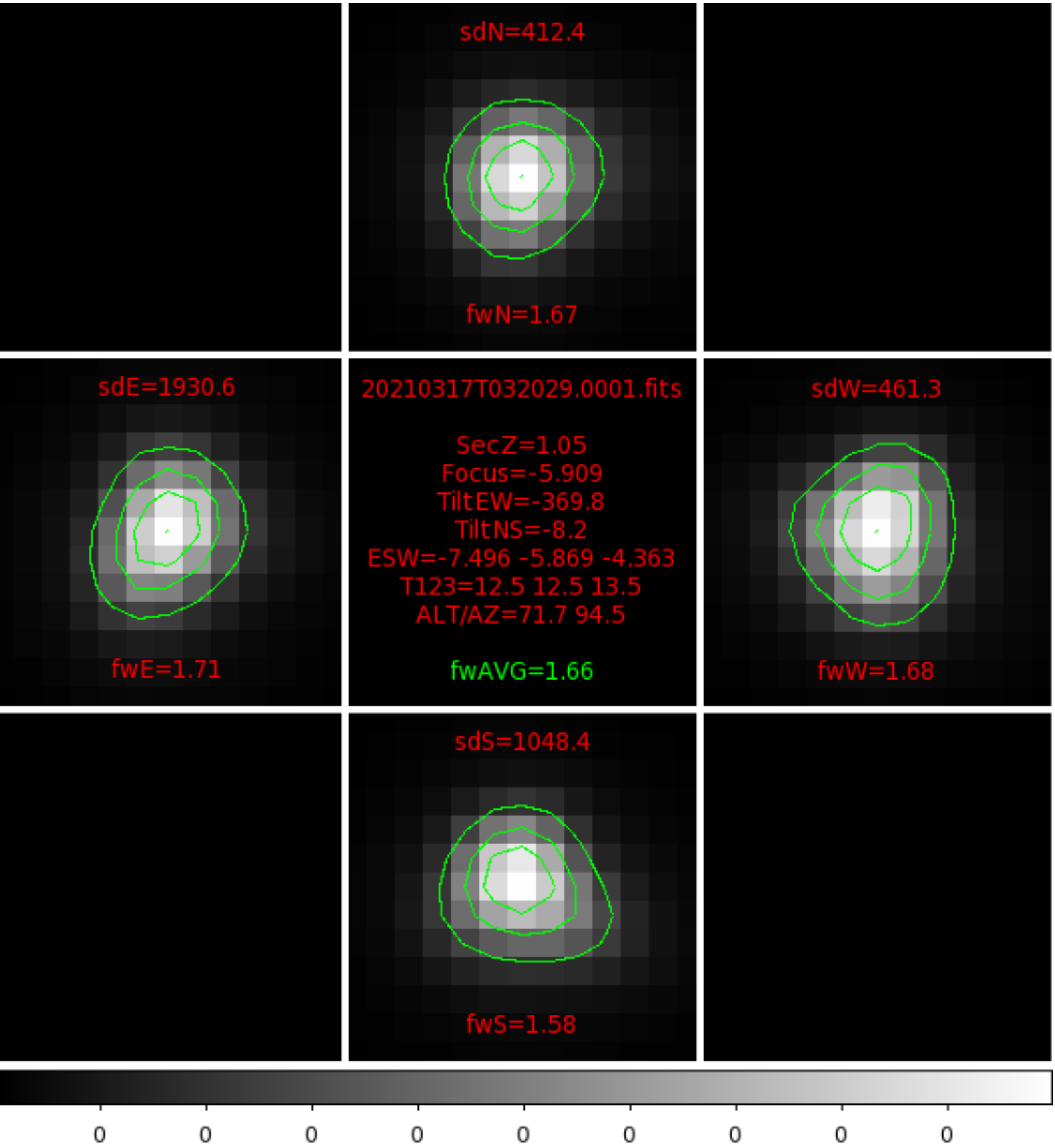
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TiltEW=-369.8
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ESW=-7.496 -5.869 -4.363
T123=12.5 12.5 13.5
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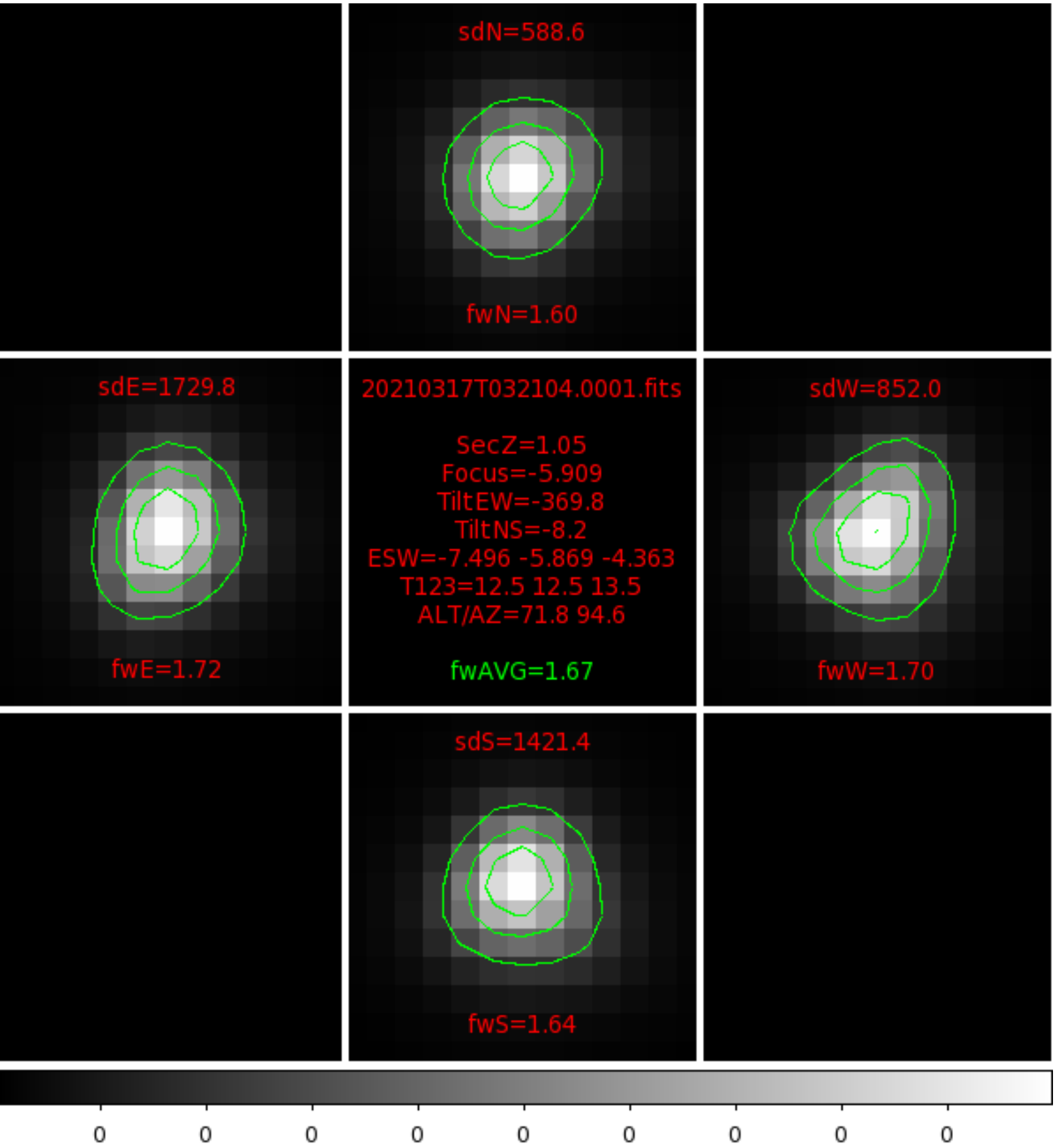
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ESW=-7.496 -5.869 -4.363
T123=12.5 12.5 13.5
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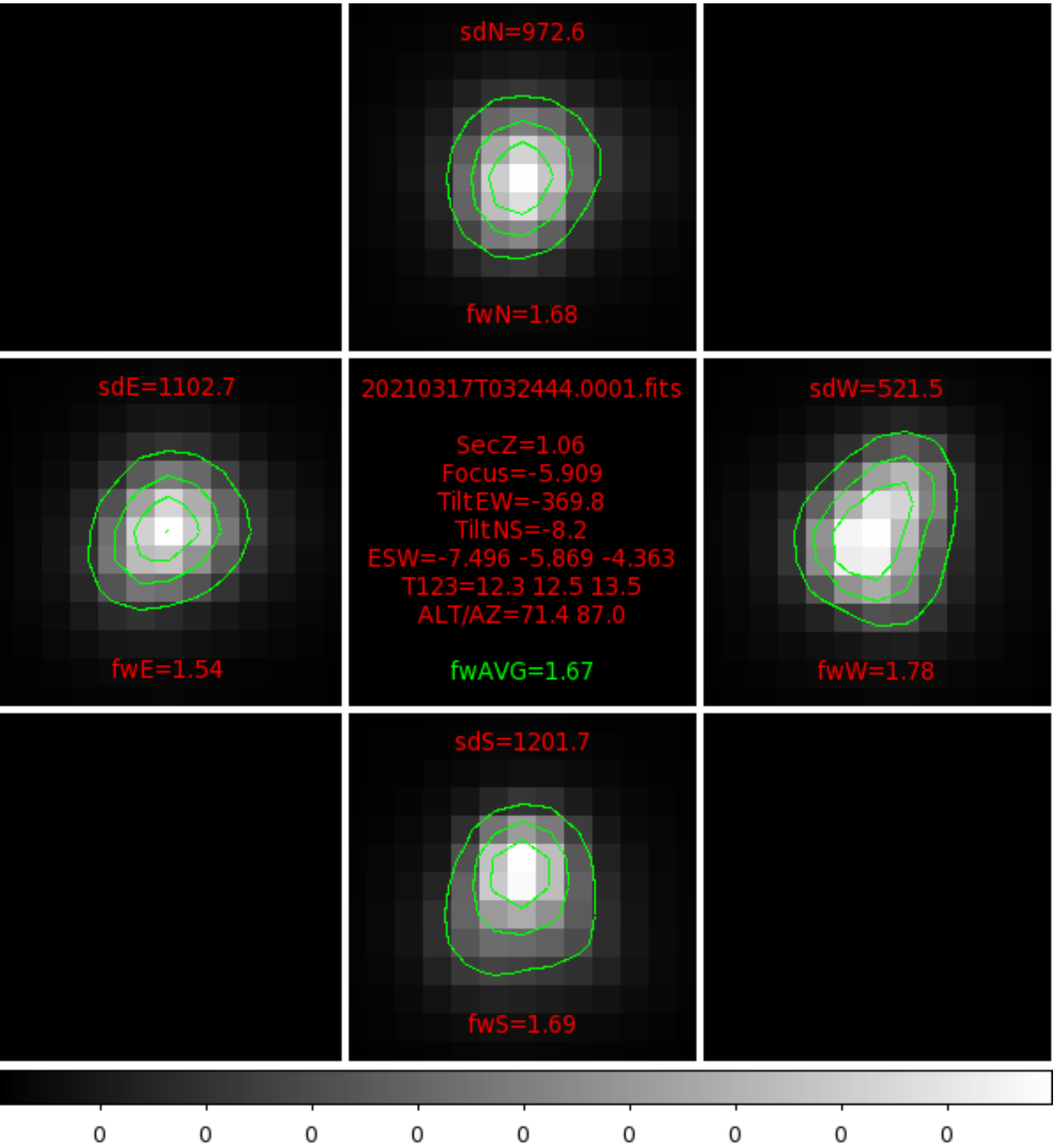
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TiltNS=-8.2
ESW=-7.496 -5.869 -4.363
T123=12.3 12.5 13.5
ALT/AZ=71.4 87.0
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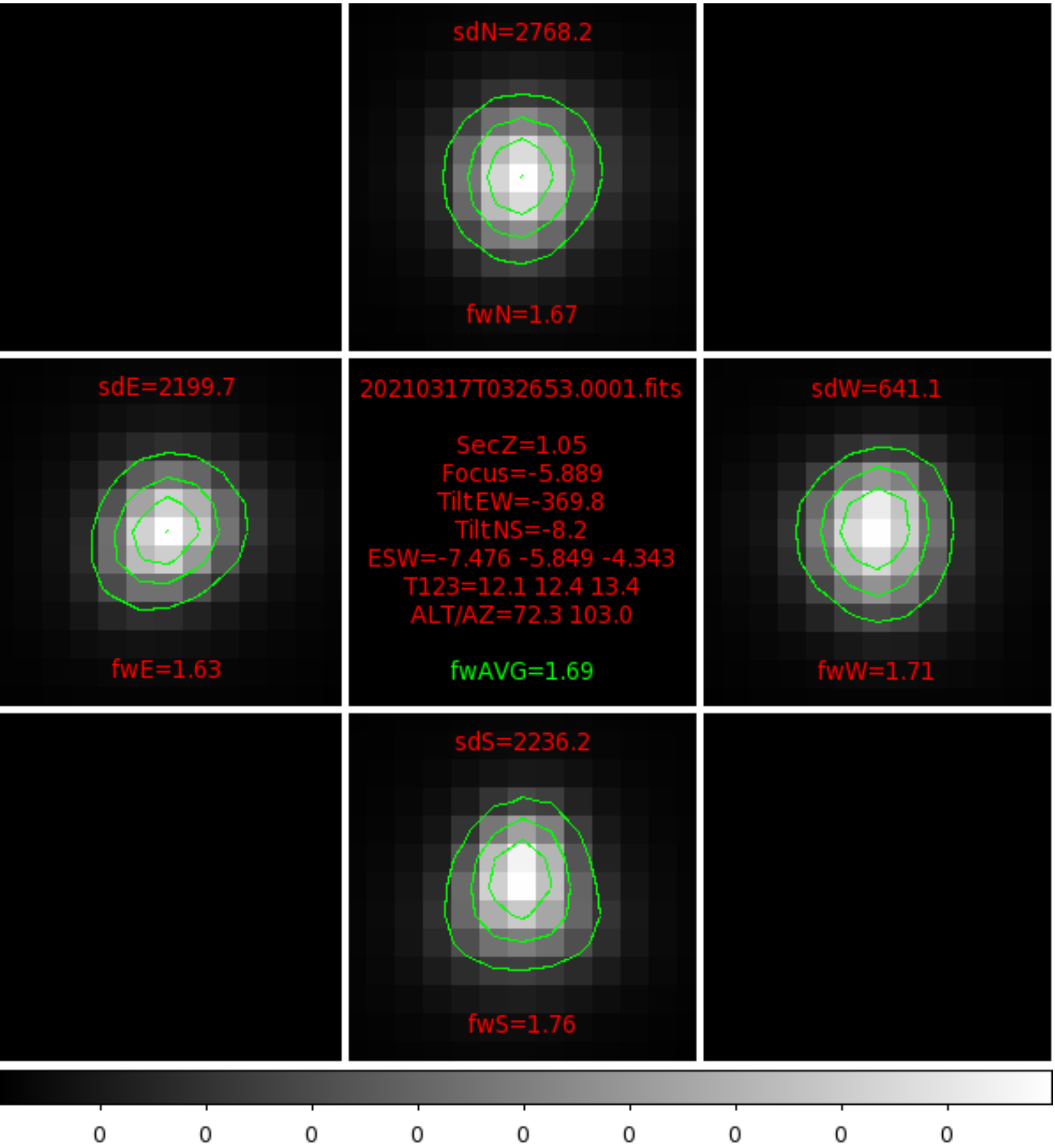
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SecZ=1.05
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.476 -5.849 -4.343
T123=12.1 12.4 13.4
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fwAVG=1.69
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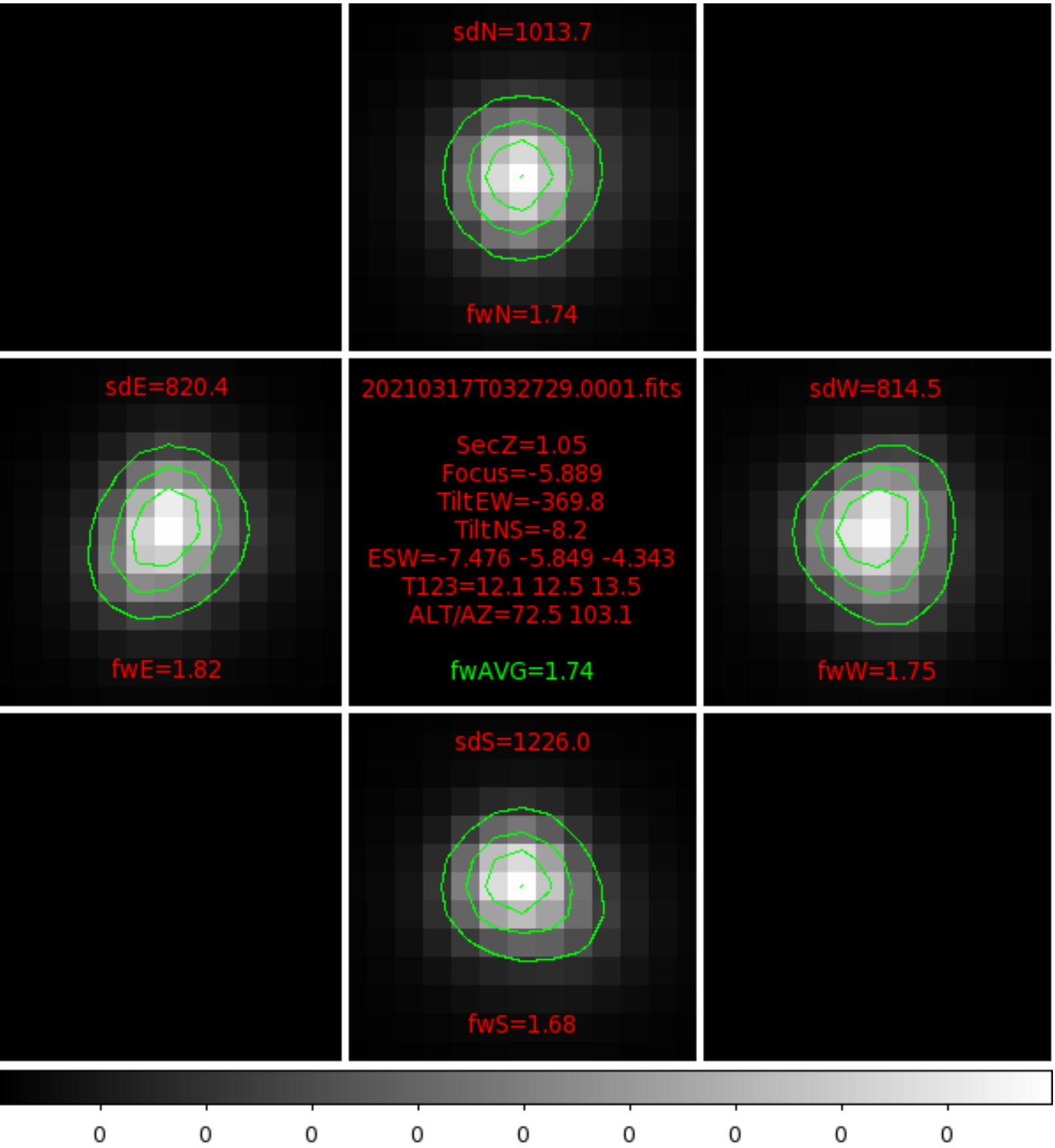
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.476 -5.849 -4.343
T123=12.1 12.5 13.5
ALT/AZ=72.5 103.1
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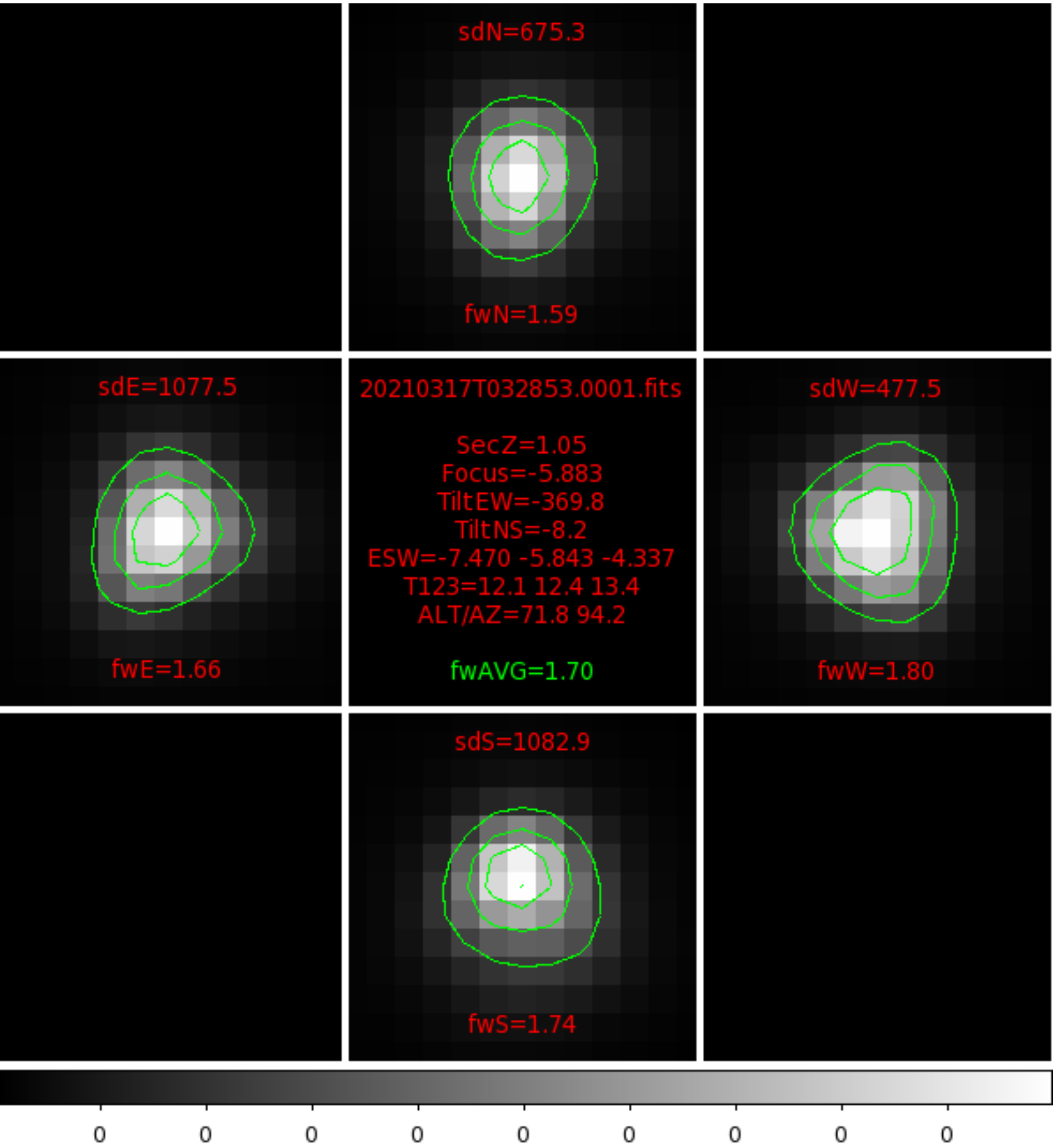
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Focus=-5.883
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.470 -5.843 -4.337
T123=12.1 12.4 13.4
ALT/AZ=71.8 94.2
fwAVG=1.70
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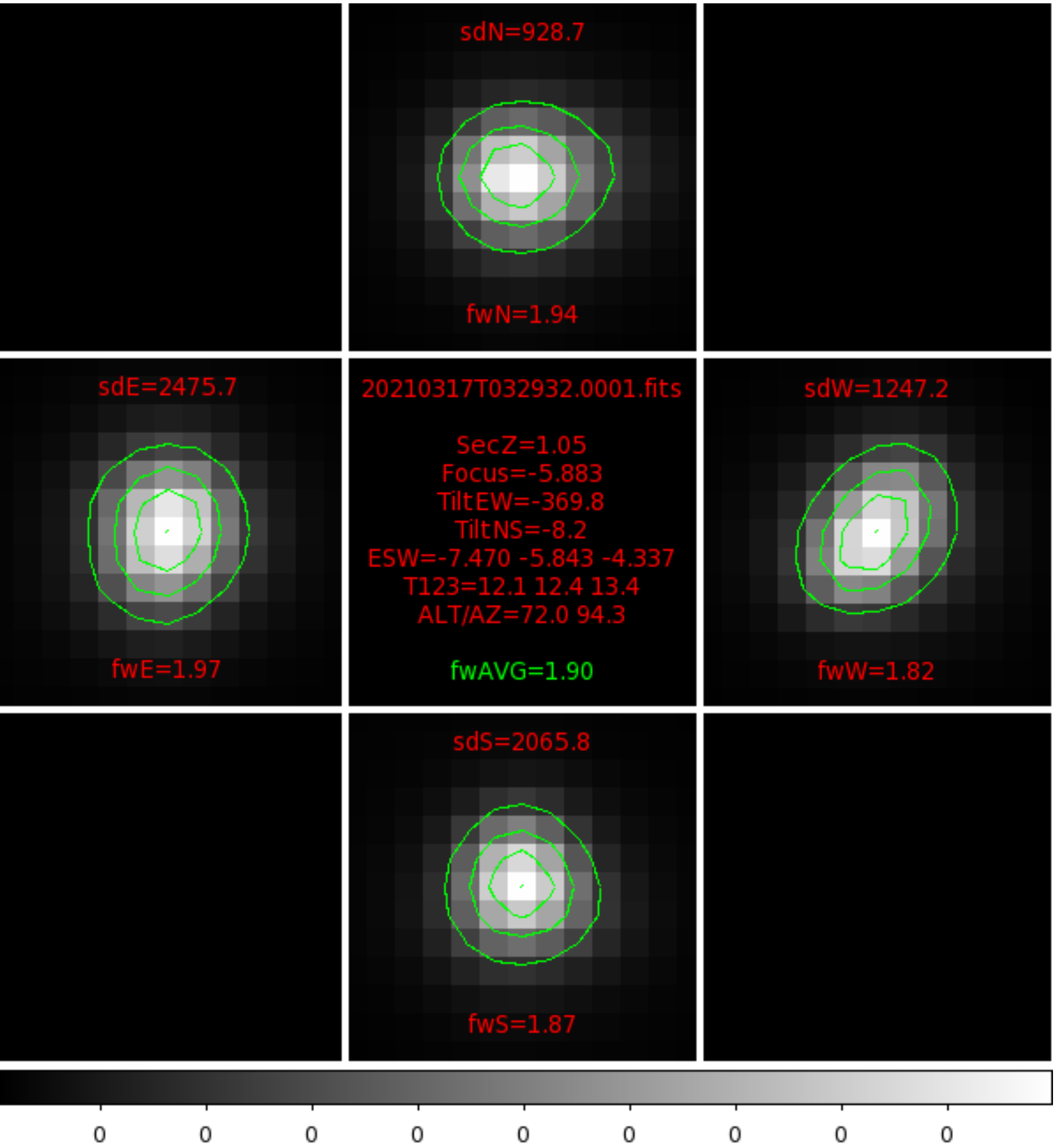
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SecZ=1.05
Focus=-5.883
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.470 -5.843 -4.337
T123=12.1 12.4 13.4
ALT/AZ=72.0 94.3
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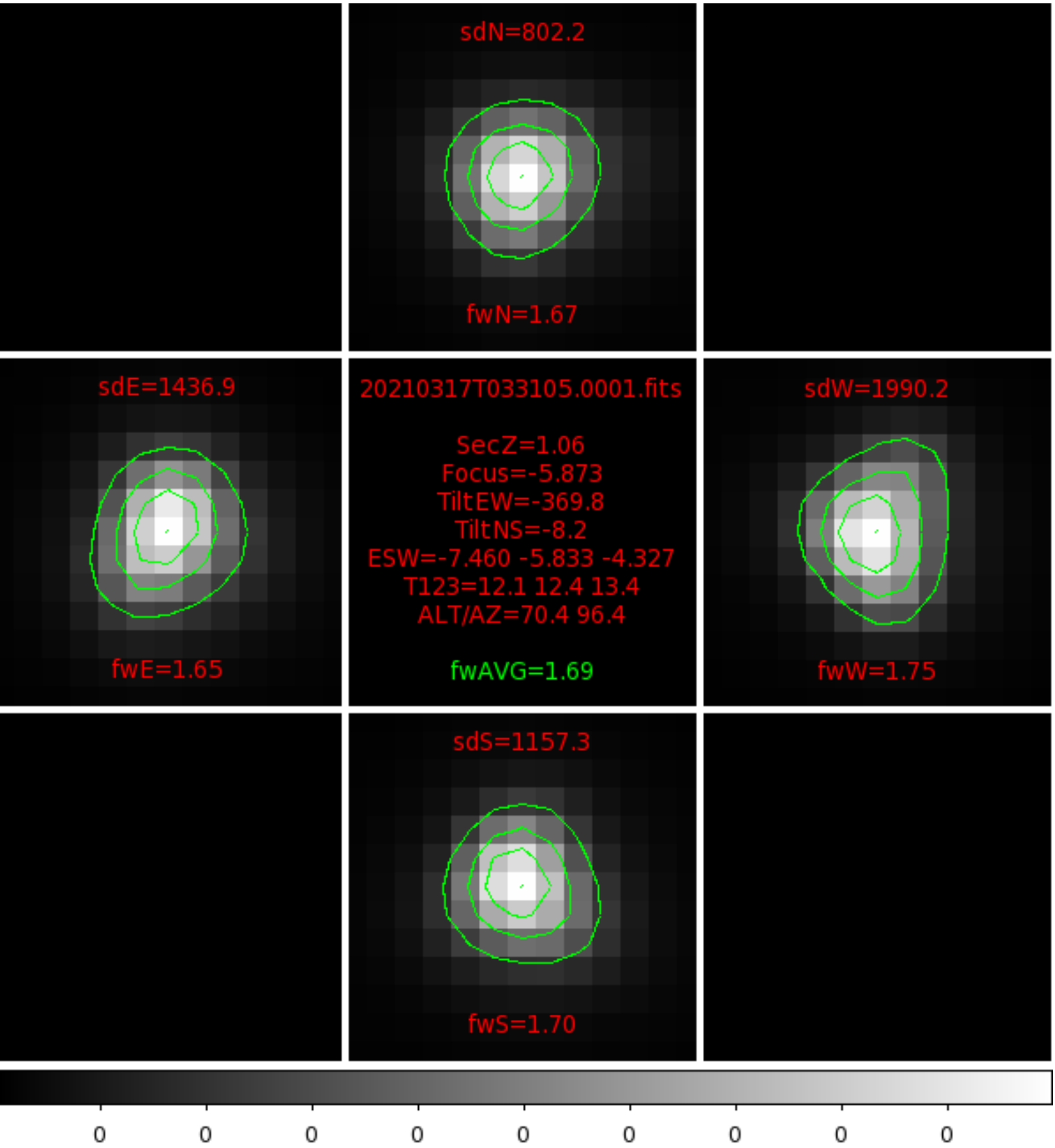
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TiltNS=-8.2
ESW=-7.460 -5.833 -4.327
T123=12.1 12.4 13.4
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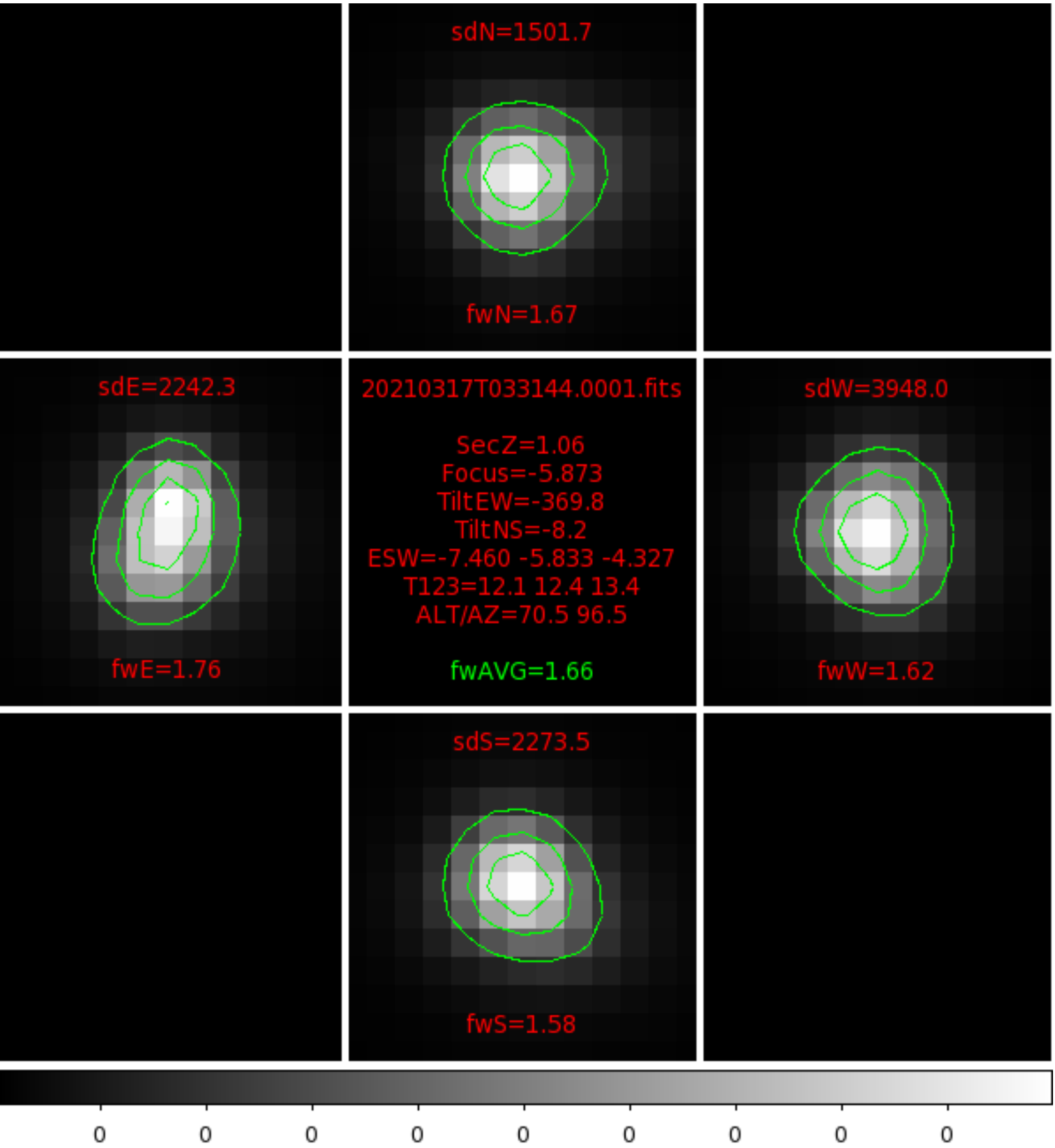
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TiltNS=-8.2
ESW=-7.460 -5.833 -4.327
T123=12.1 12.4 13.4
ALT/AZ=70.5 96.5
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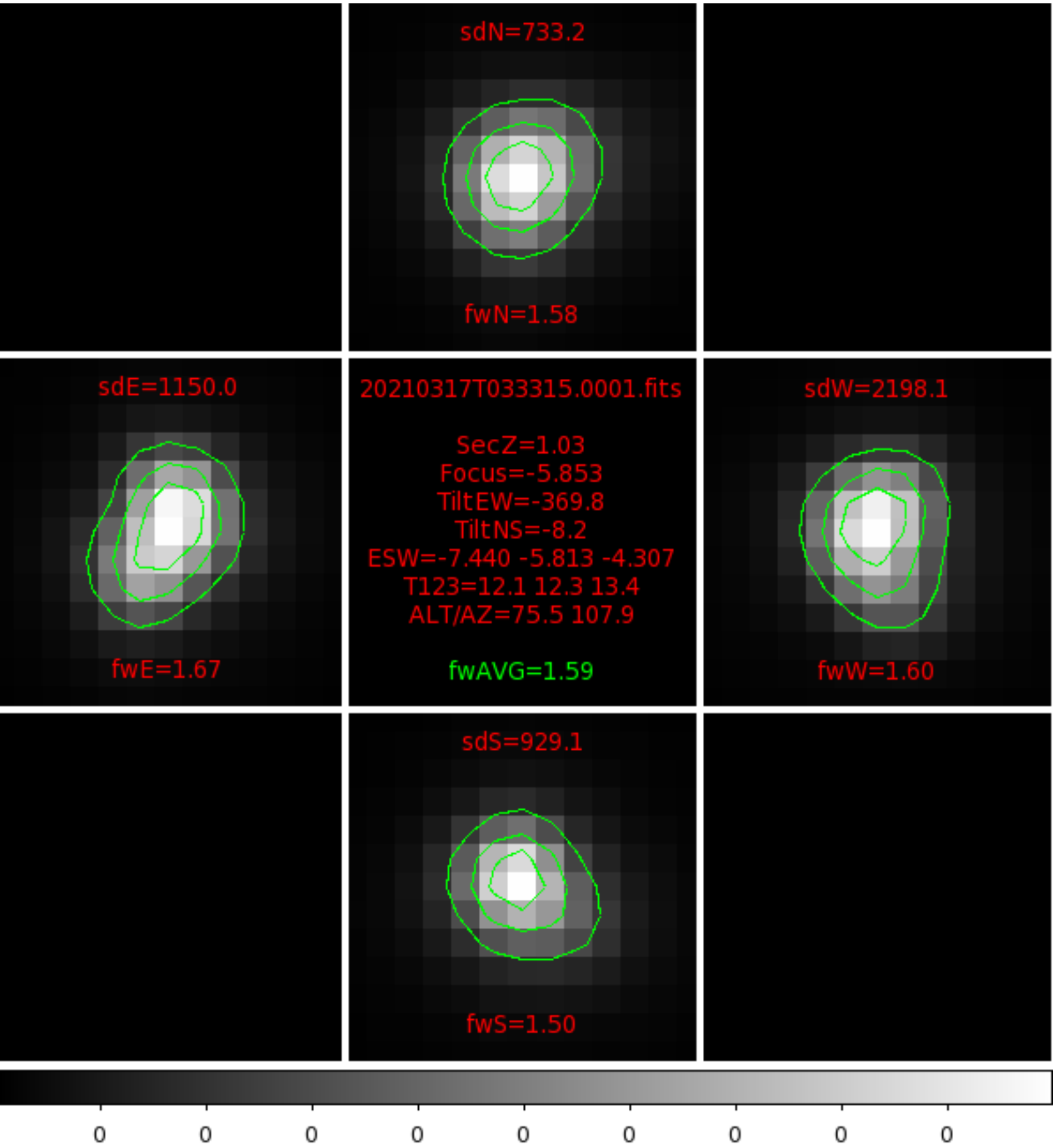
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.440 -5.813 -4.307
T123=12.1 12.3 13.4
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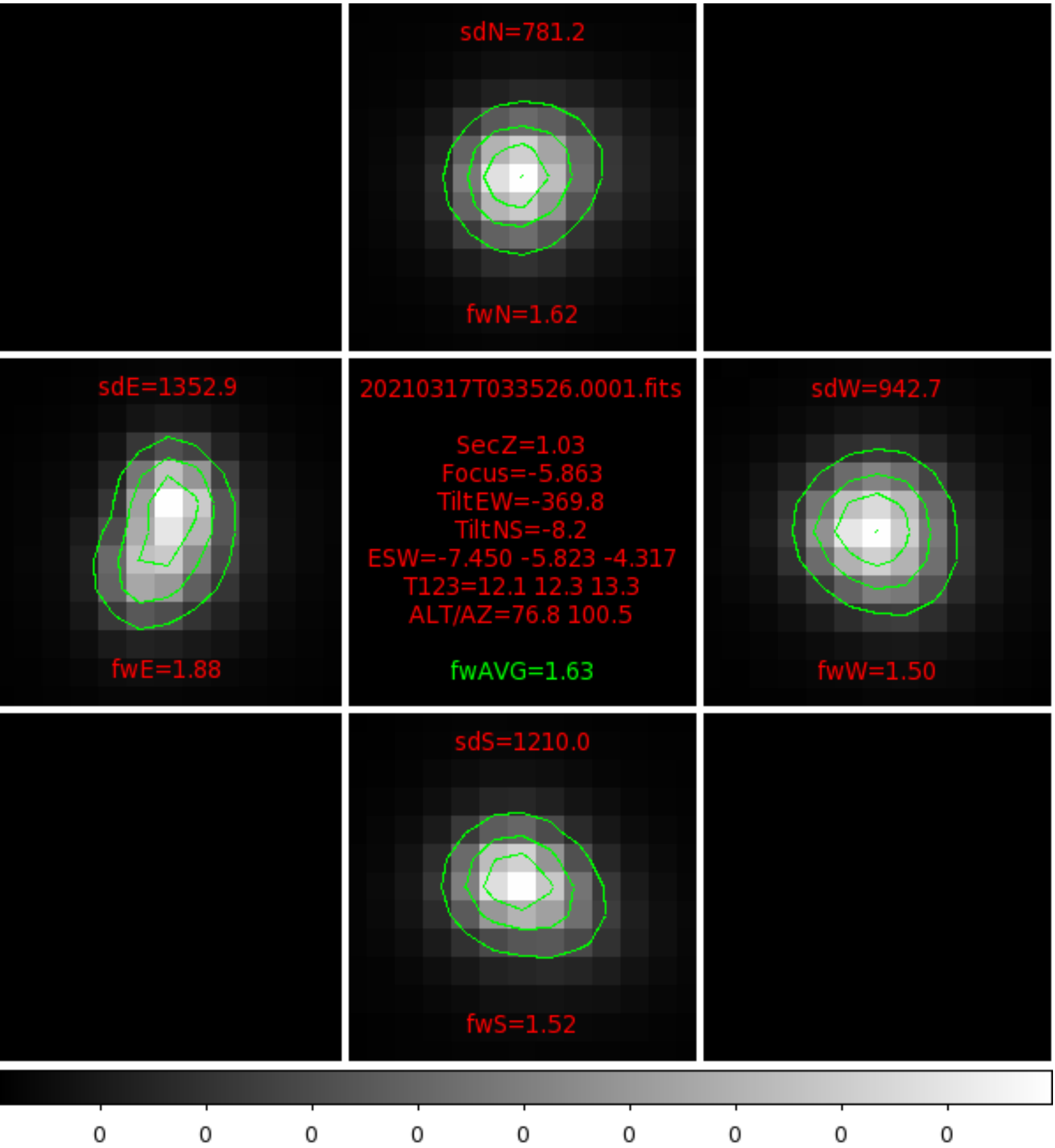
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TiltNS=-8.2
ESW=-7.450 -5.823 -4.317
T123=12.1 12.3 13.3
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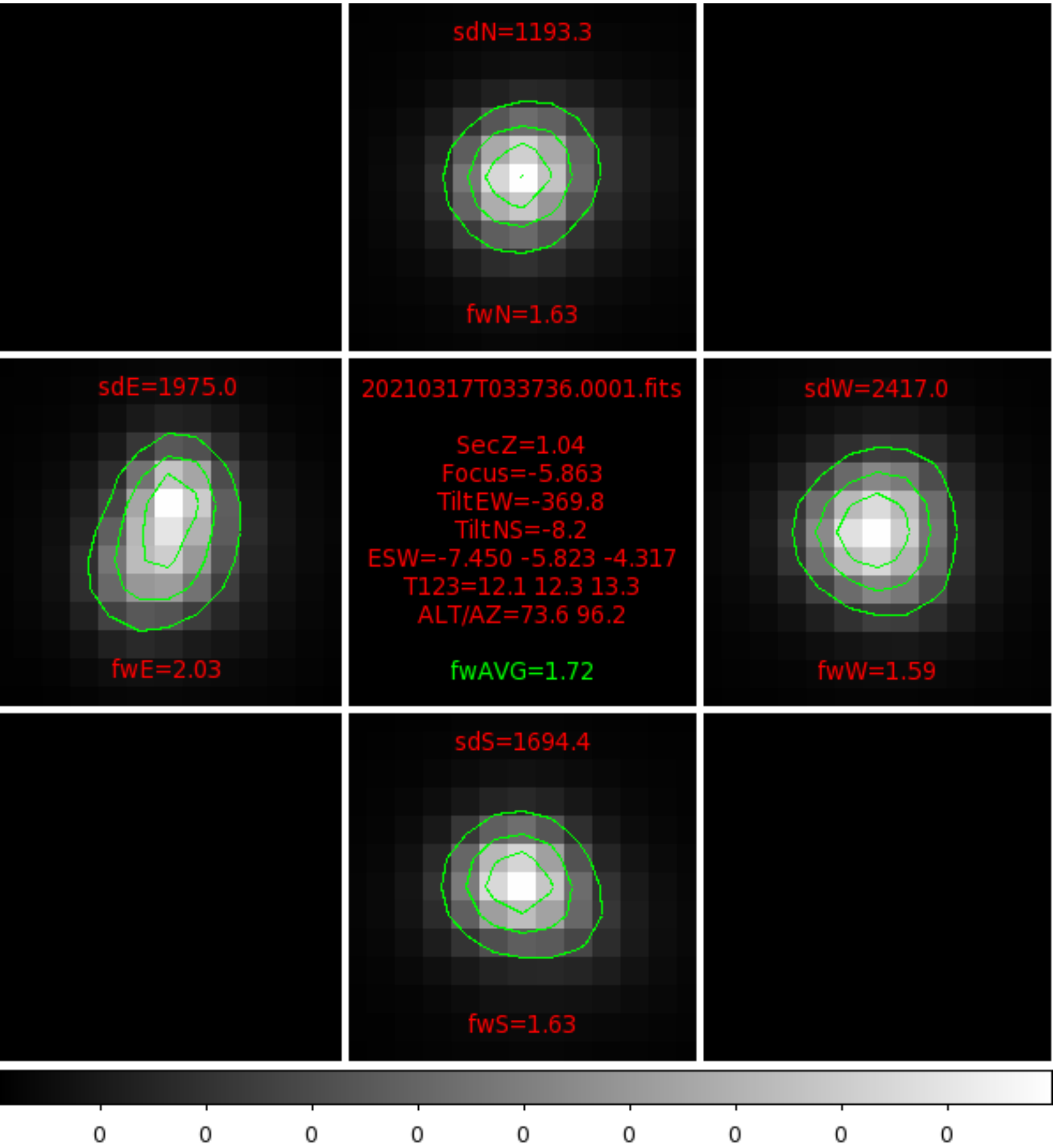
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ESW=-7.450 -5.823 -4.317
T123=12.1 12.3 13.3
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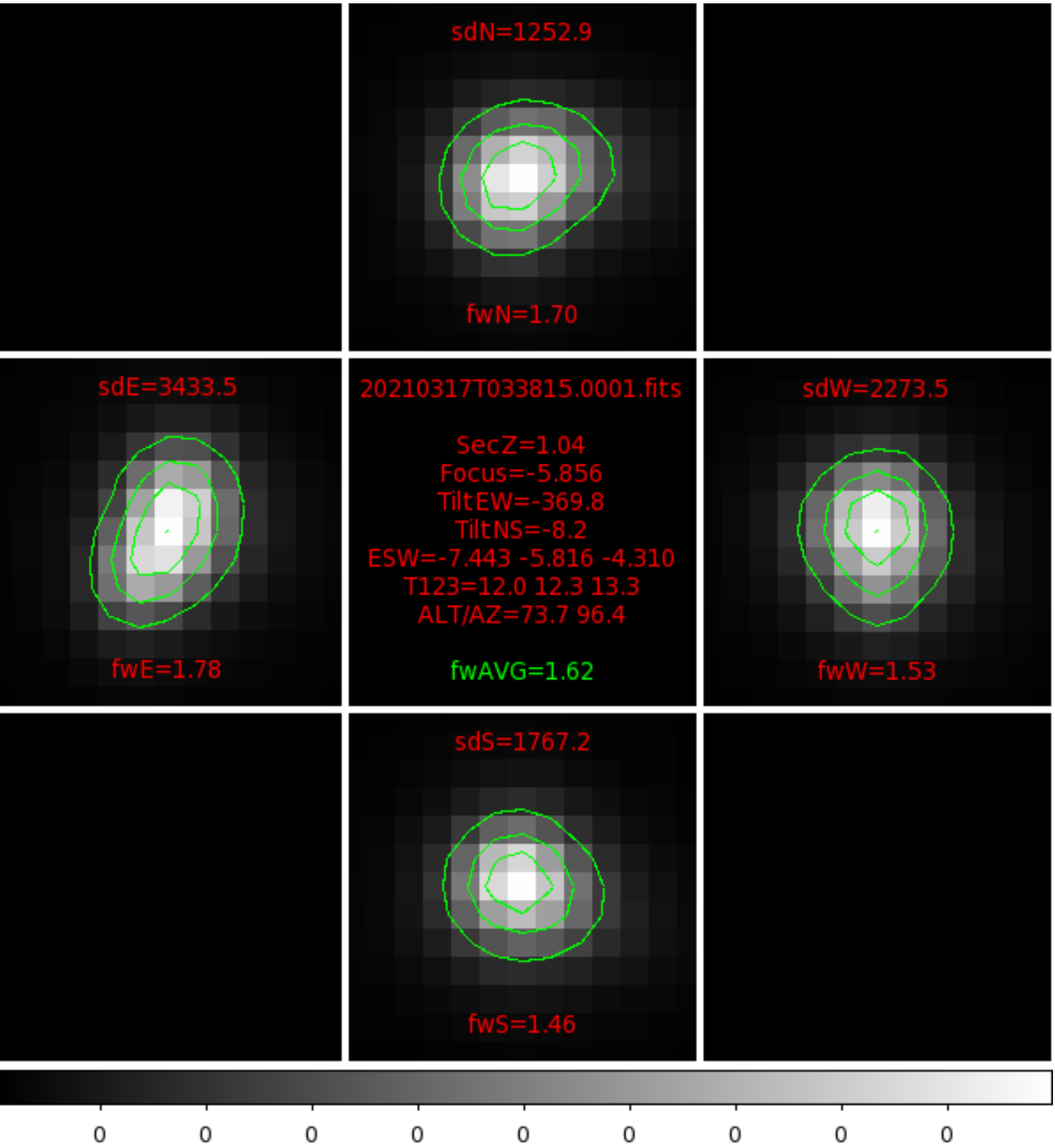
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ESW=-7.443 -5.816 -4.310
T123=12.0 12.3 13.3
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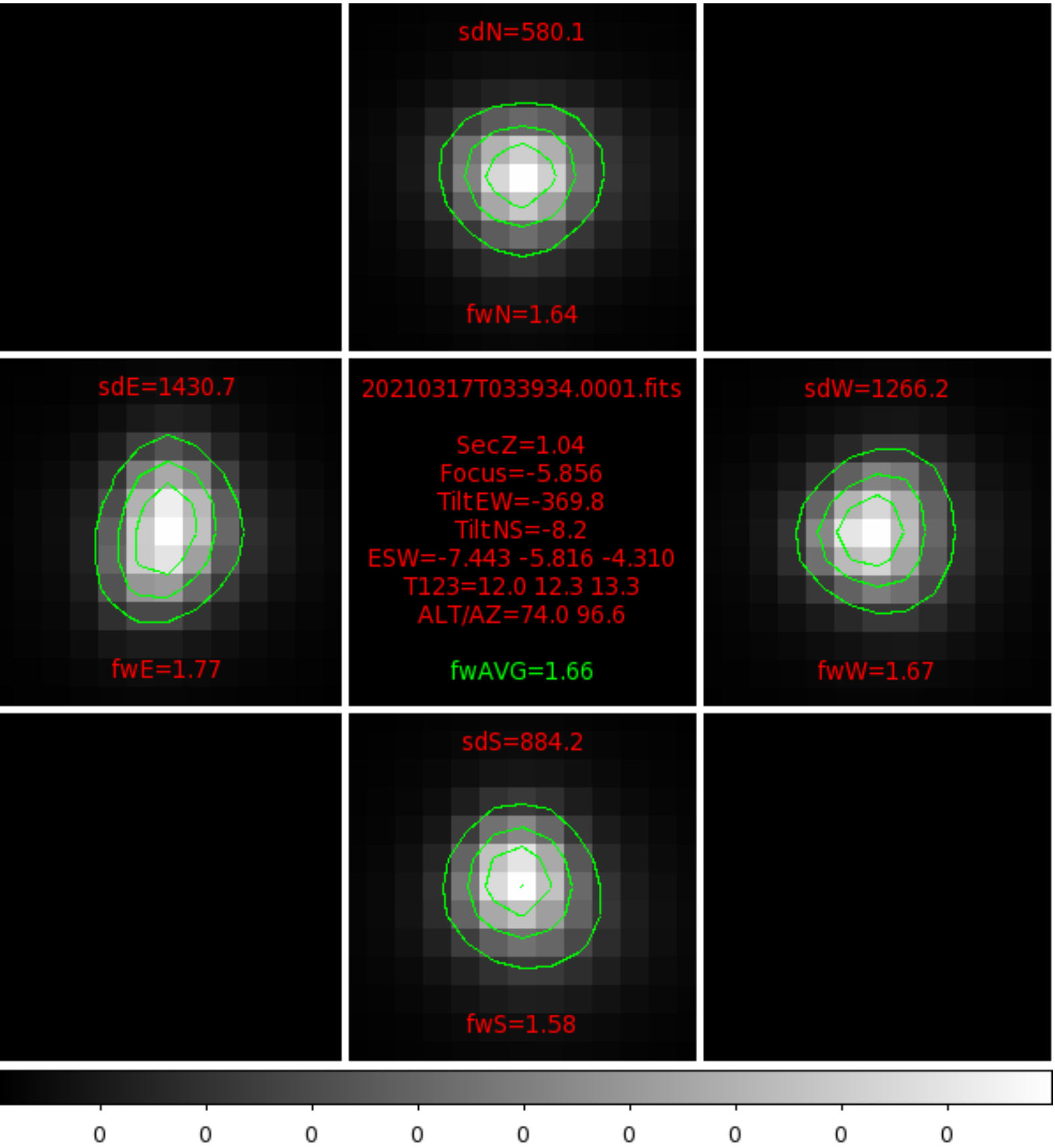
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TiltNS=-8.2
ESW=-7.443 -5.816 -4.310
T123=12.0 12.3 13.3
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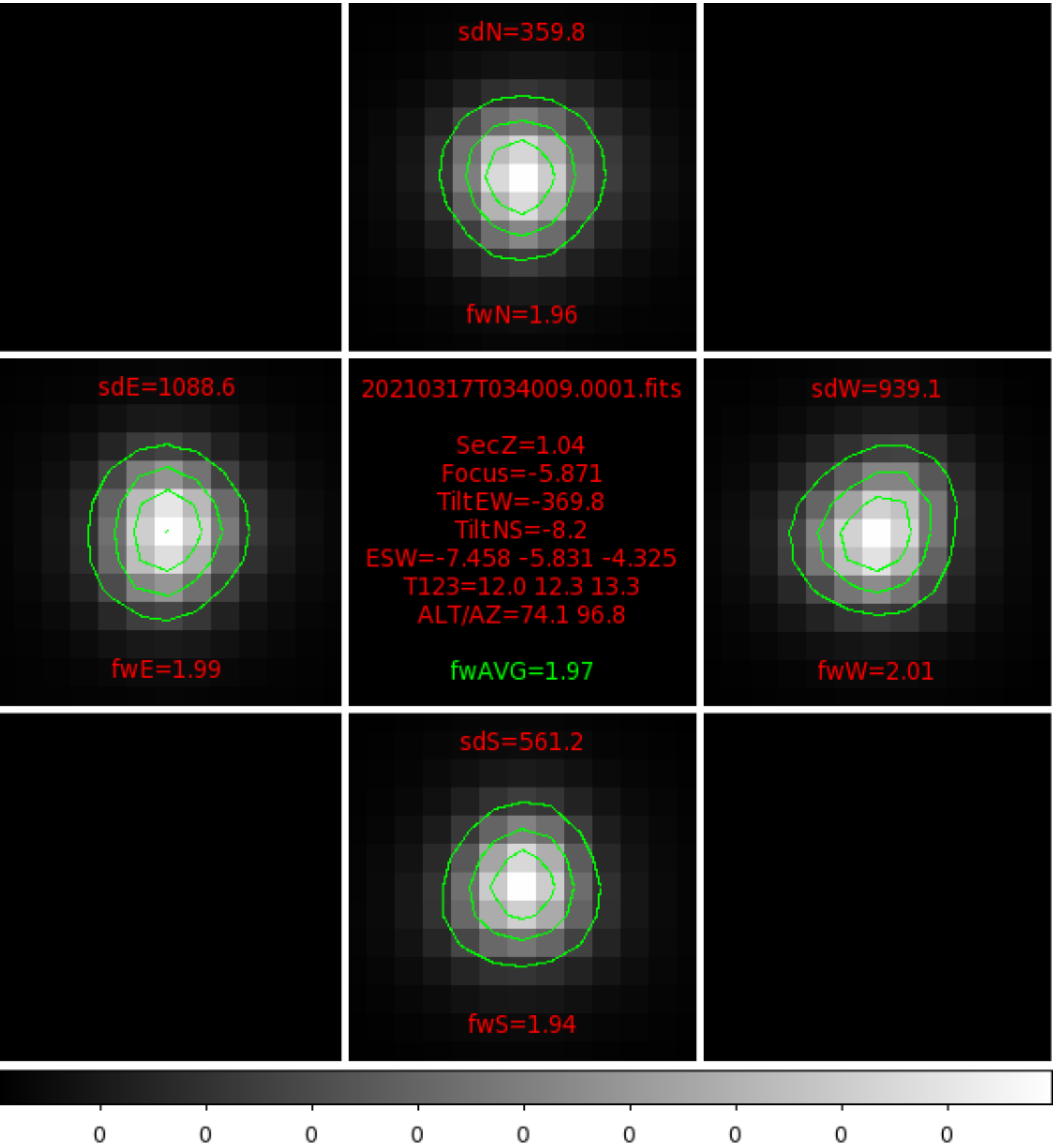
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.458 -5.831 -4.325
T123=12.0 12.3 13.3
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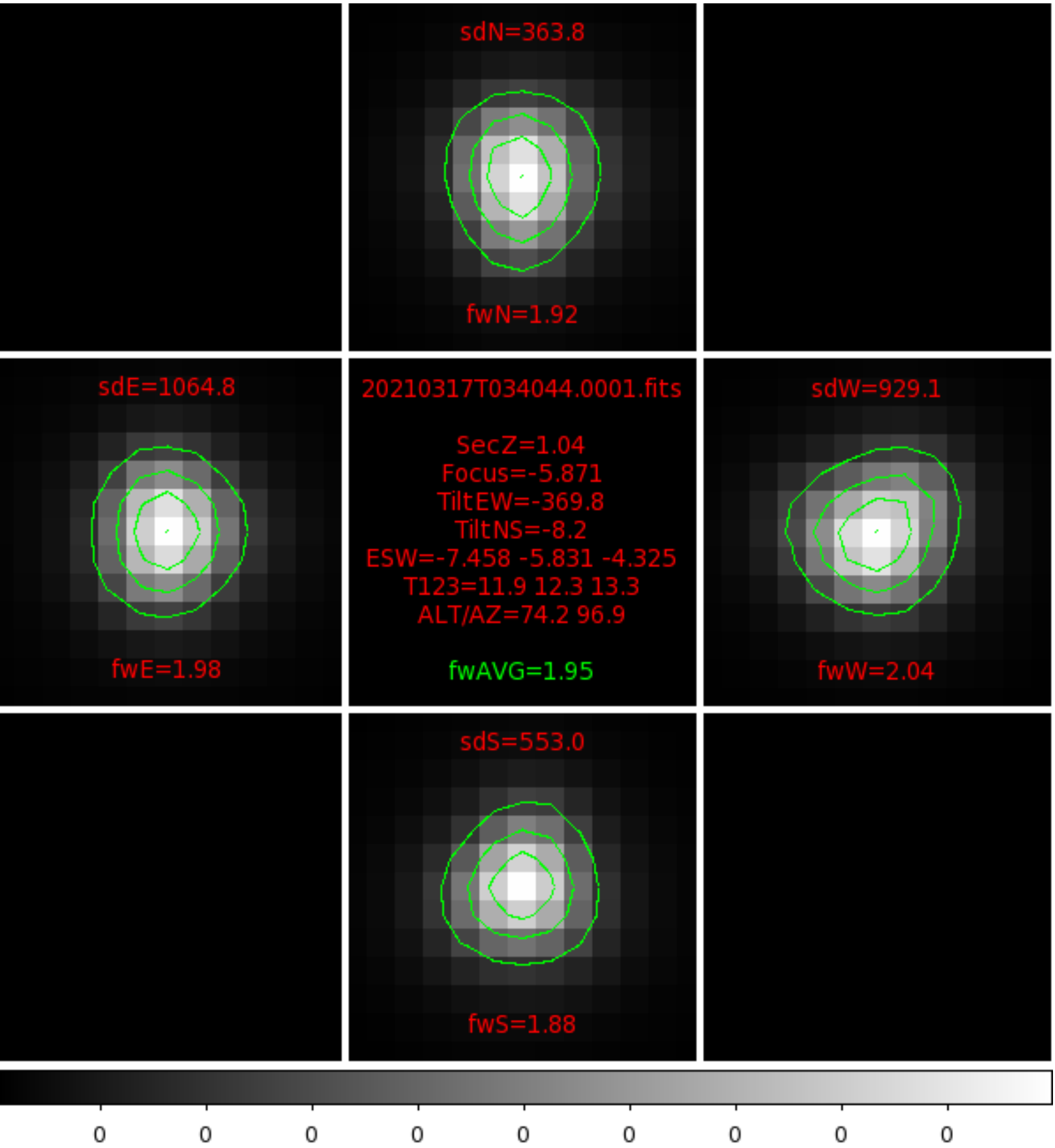
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T123=11.9 12.3 13.3
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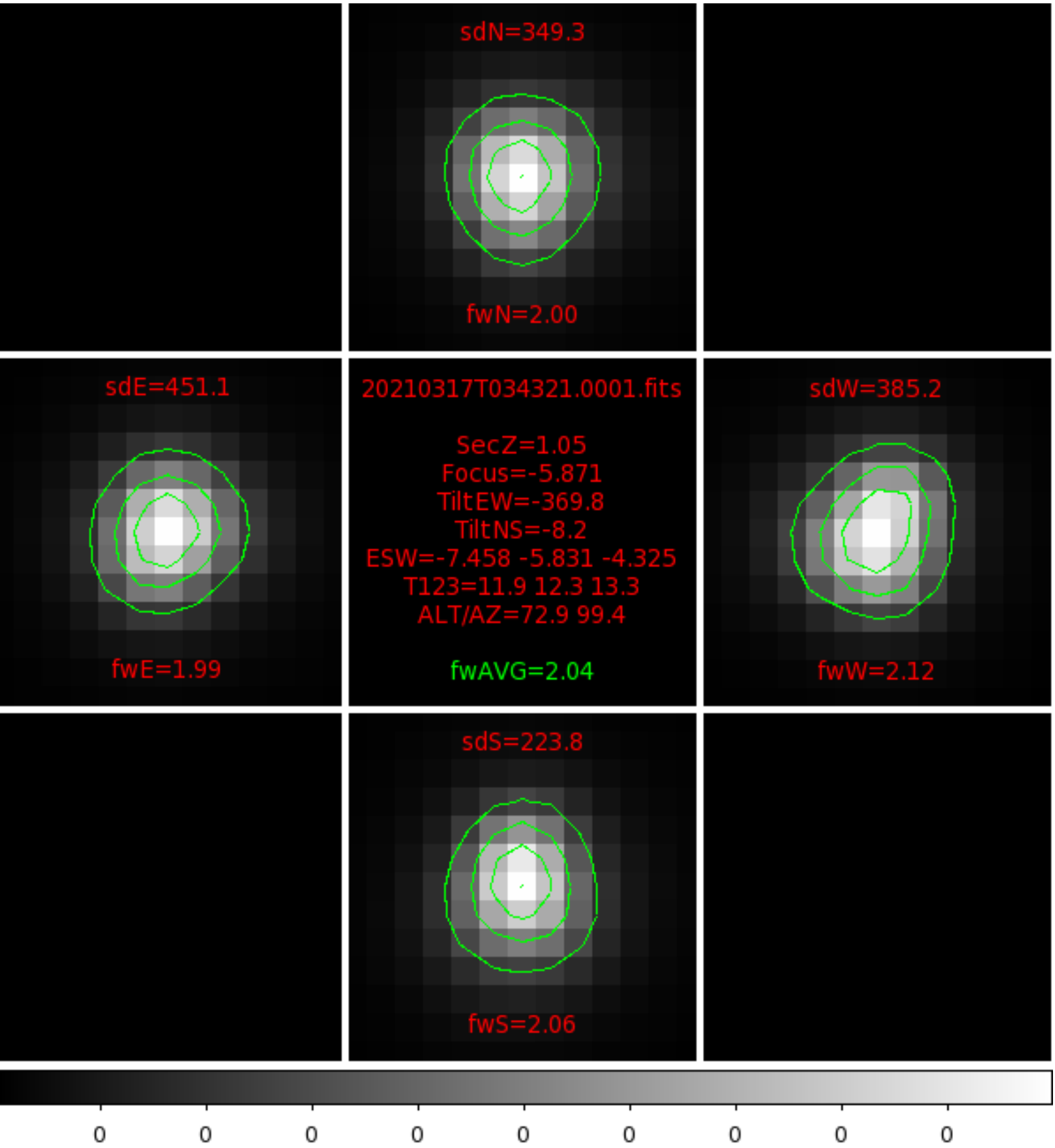
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TiltNS=-8.2
ESW=-7.458 -5.831 -4.325
T123=11.9 12.3 13.3
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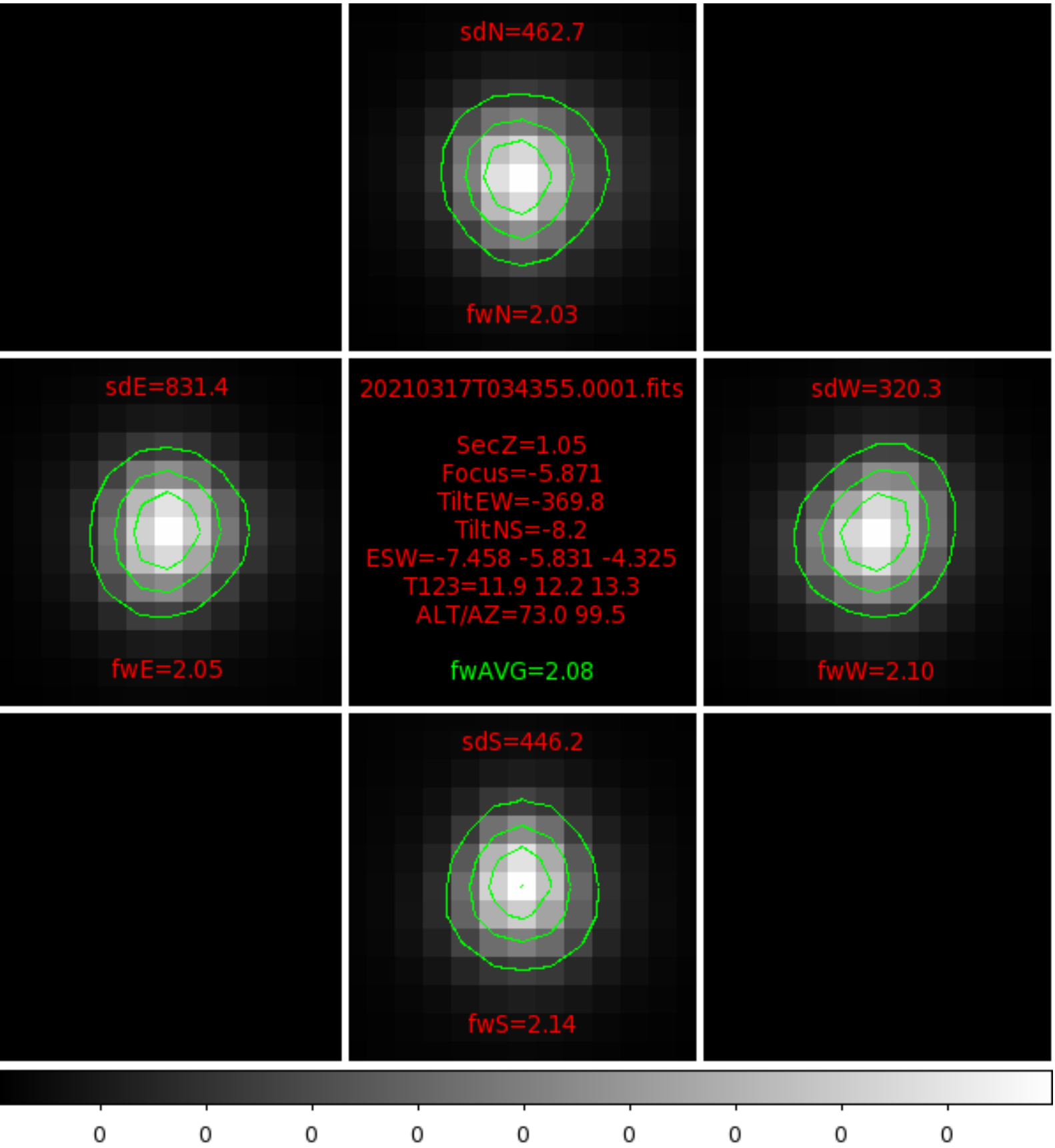
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SecZ=1.05
Focus=-5.871
TiltEW=-369.8
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ESW=-7.458 -5.831 -4.325
T123=11.9 12.2 13.3
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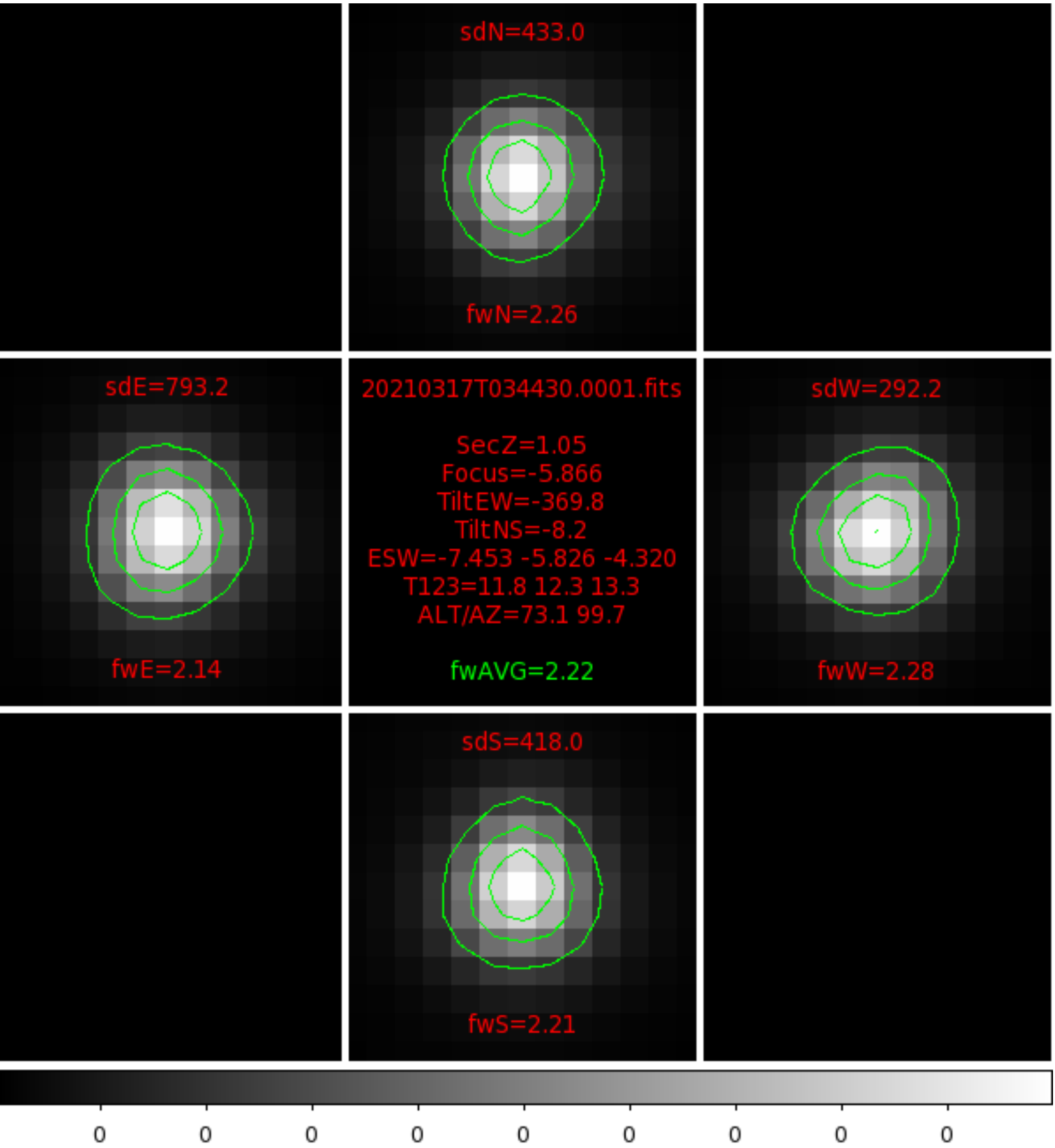
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SecZ=1.05
Focus=-5.866
TiltEW=-369.8
TiltNS=-8.2
ESW=-7.453 -5.826 -4.320
T123=11.8 12.3 13.3
ALT/AZ=73.1 99.7
fwAVG=2.22
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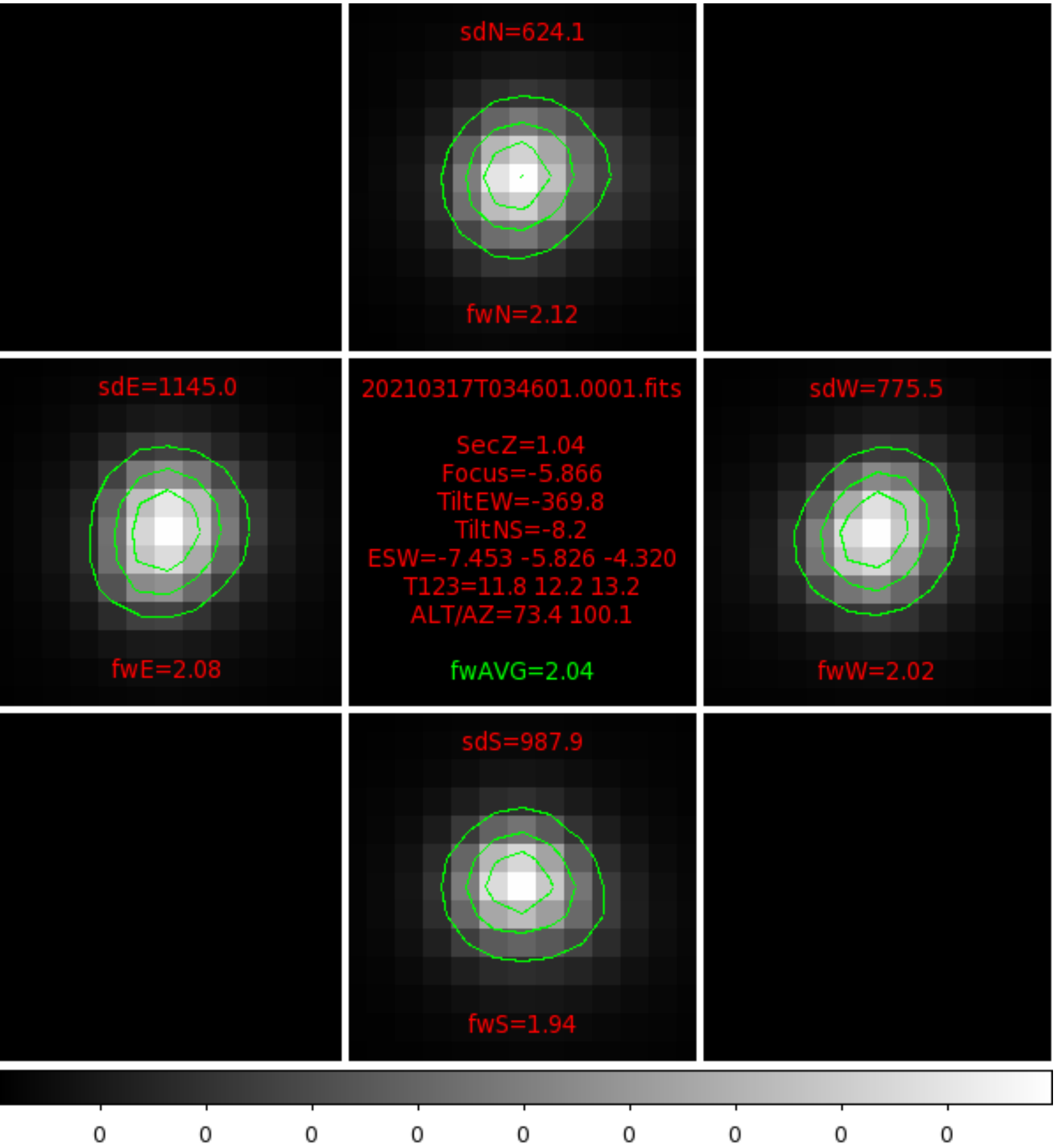
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SecZ=1.04
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TiltNS=-8.2
ESW=-7.453 -5.826 -4.320
T123=11.8 12.2 13.2
ALT/AZ=73.4 100.1
fwAVG=2.04
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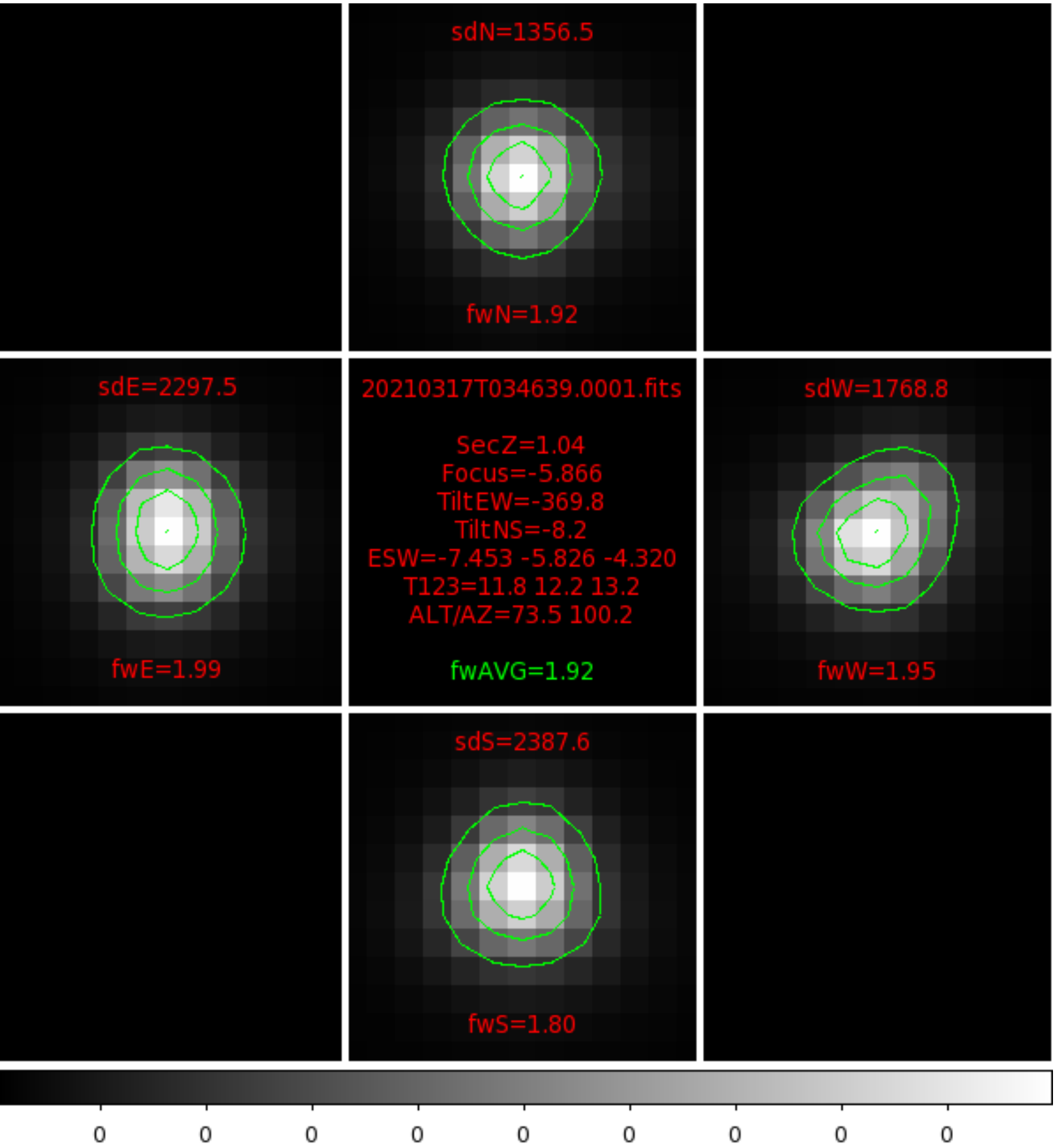
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.453 -5.826 -4.320
T123=11.8 12.2 13.2
ALT/AZ=73.5 100.2
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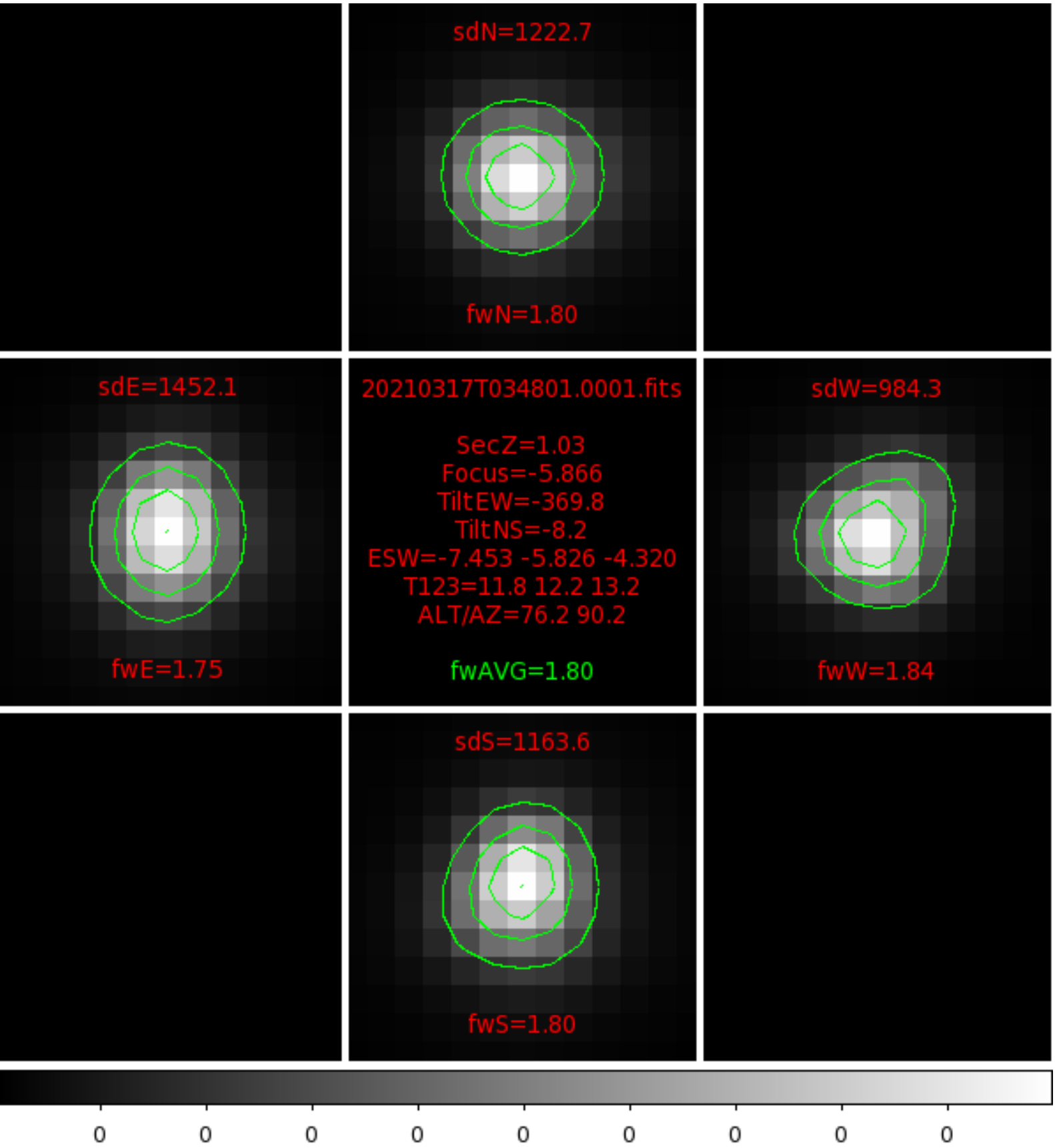
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TiltNS=-8.2
ESW=-7.453 -5.826 -4.320
T123=11.8 12.2 13.2
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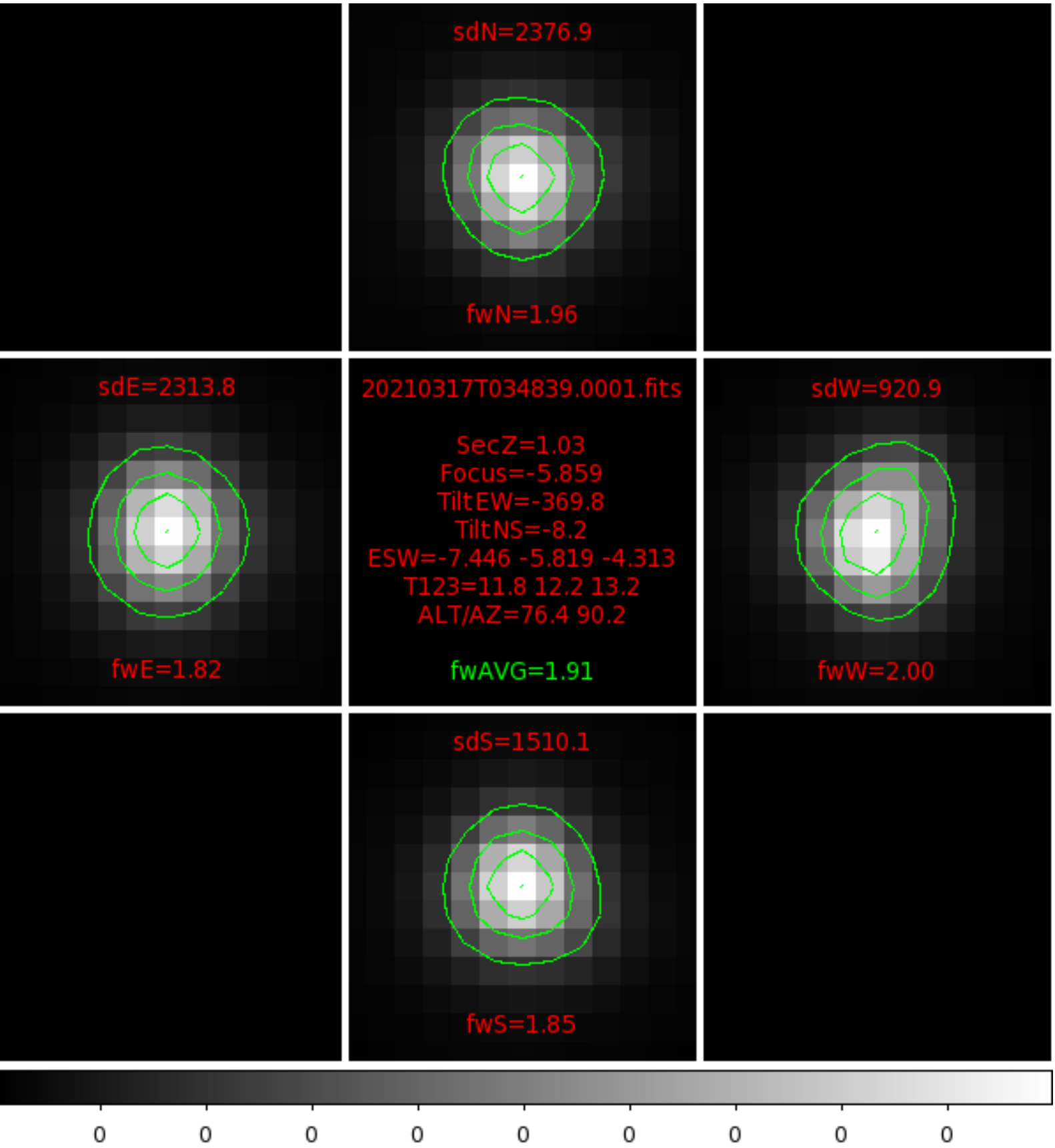
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TiltNS=-8.2
ESW=-7.446 -5.819 -4.313
T123=11.8 12.2 13.2
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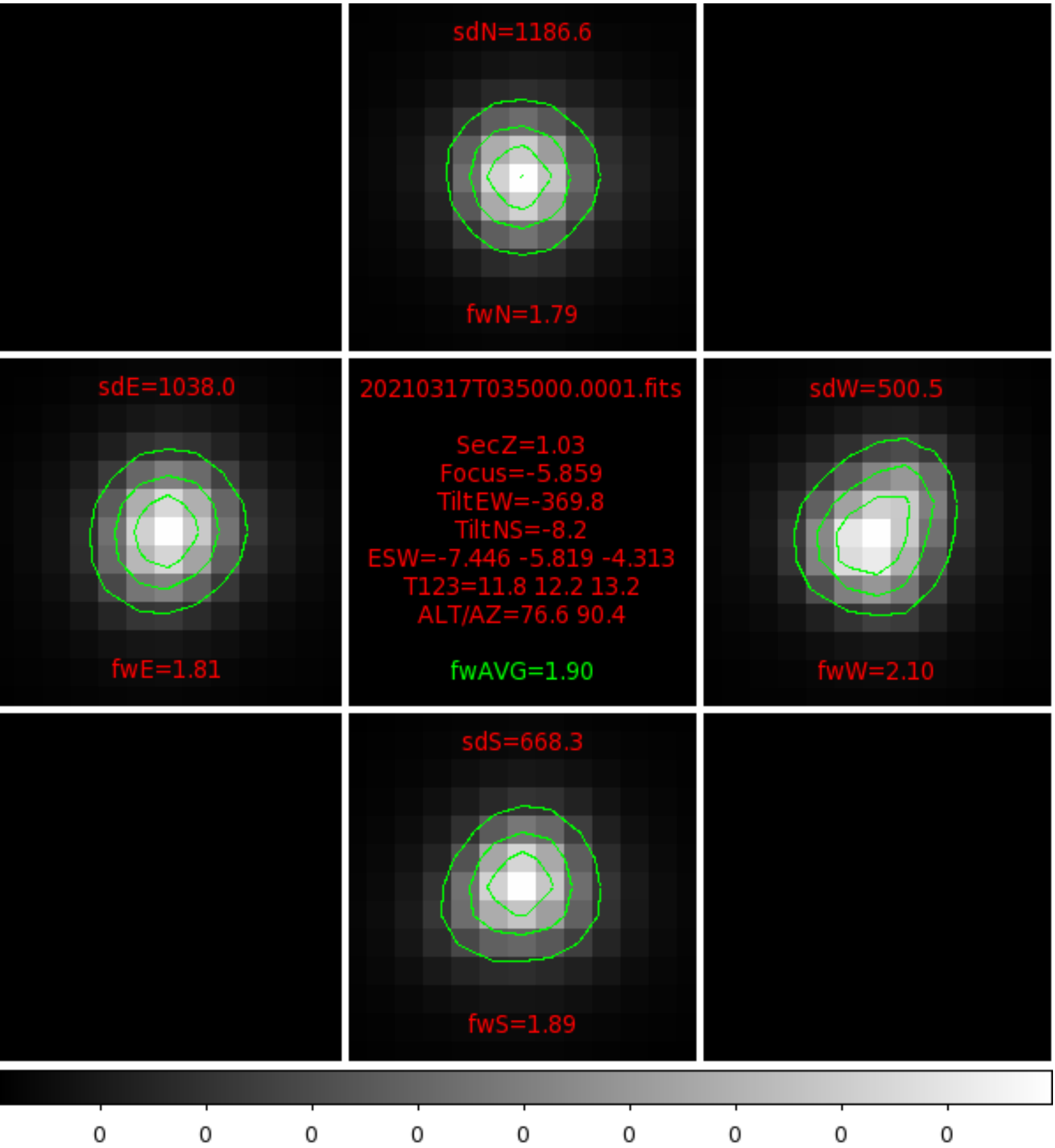
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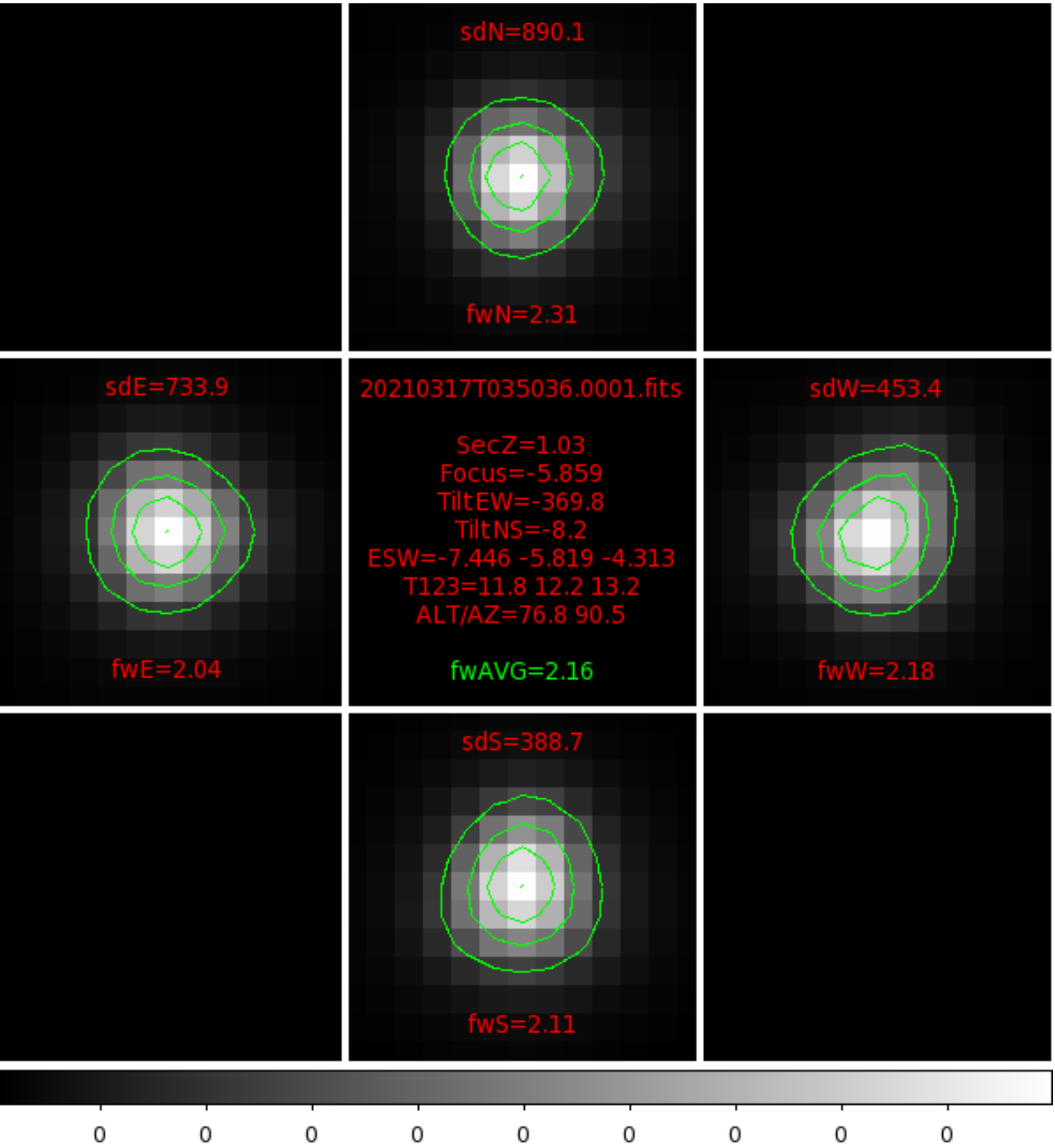
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SecZ=1.03
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TiltEW=-369.8
TiltNS=-8.2
ESW=-7.446 -5.819 -4.313
T123=11.8 12.2 13.2
ALT/AZ=76.8 90.5
fwAVG=2.16
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sdS=388.7
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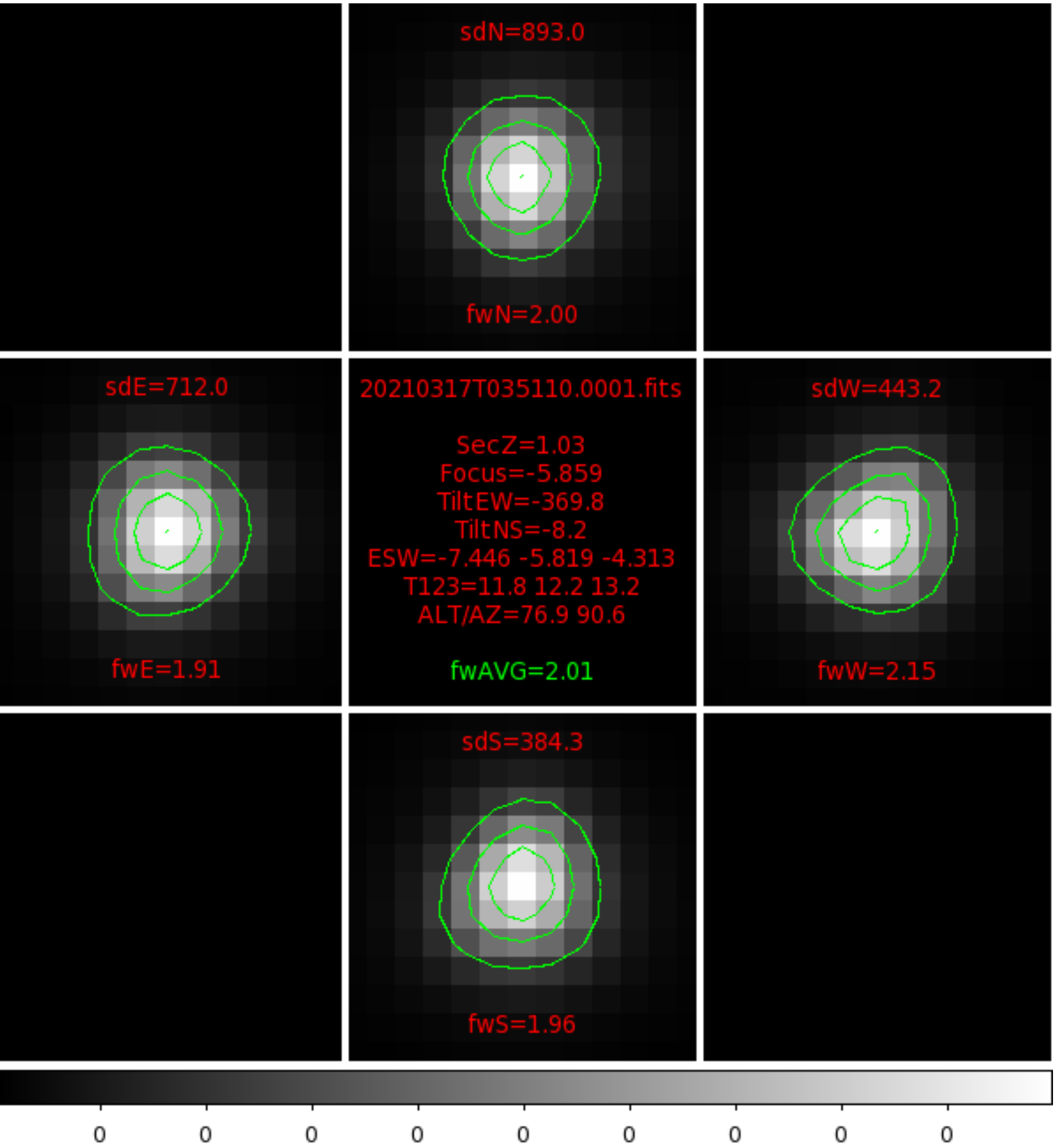
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TiltNS=-8.2
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T123=11.8 12.2 13.2
ALT/AZ=76.9 90.6
fwAVG=2.01
sdW=443.2
fwW=2.15
sdS=384.3
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