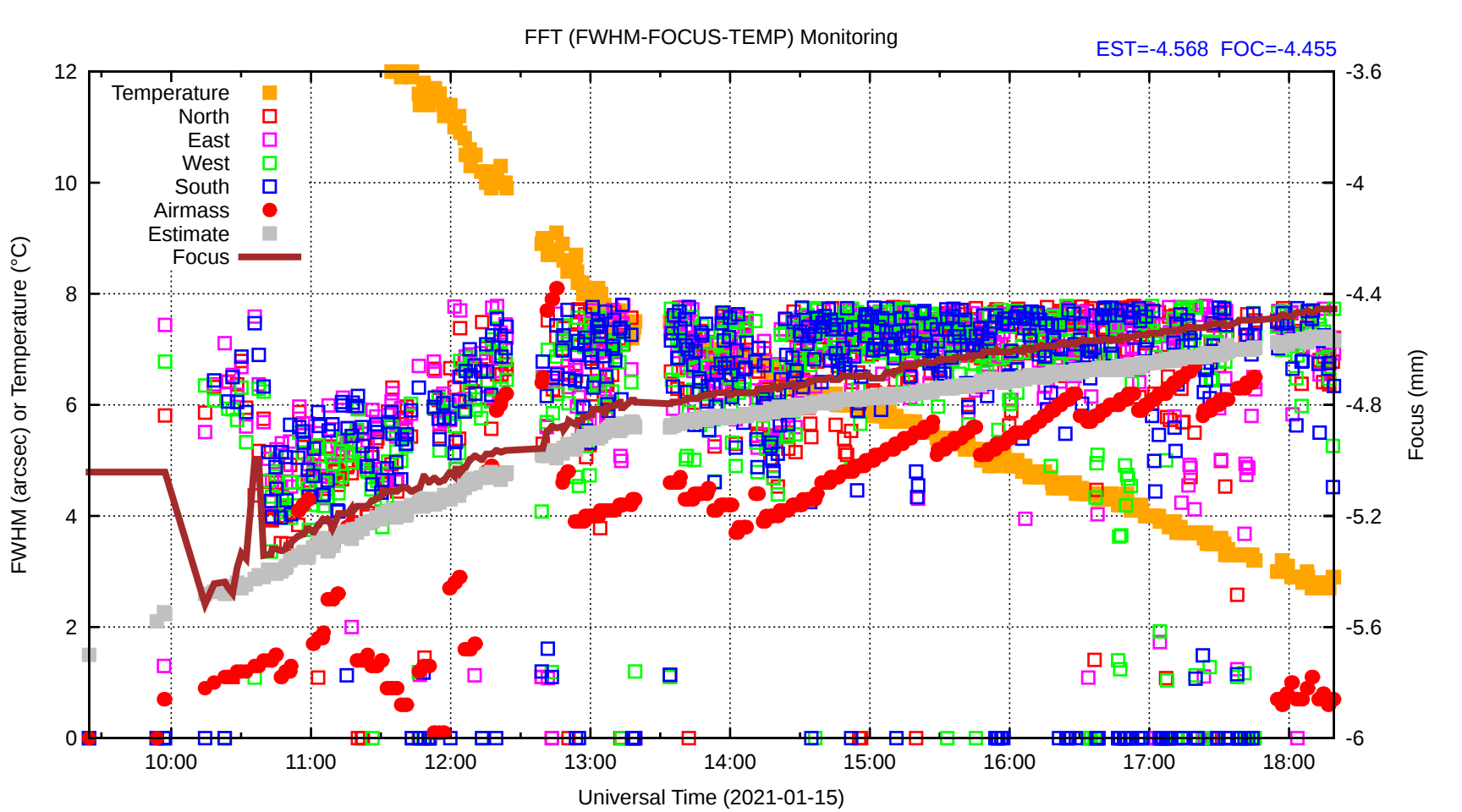
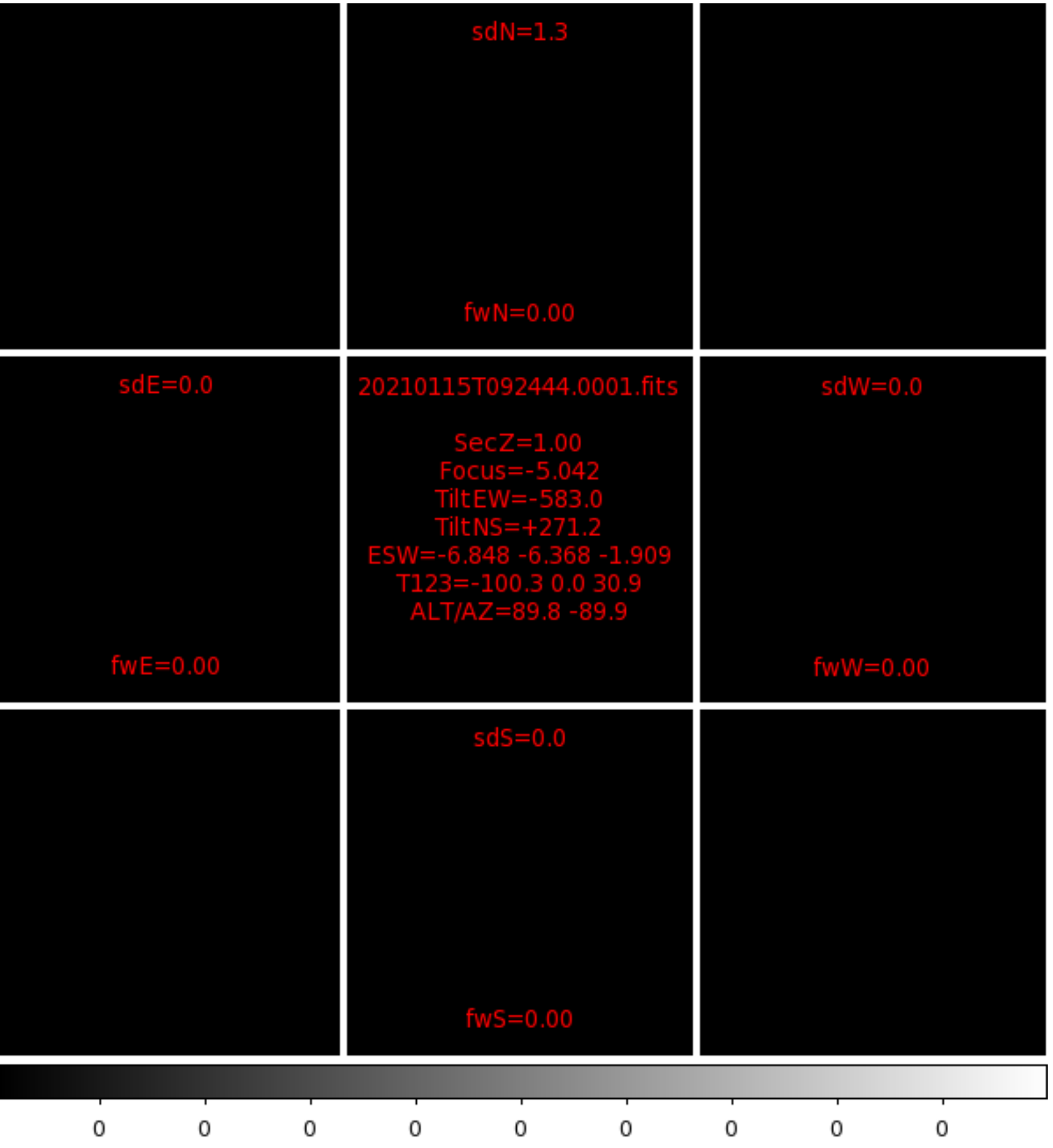
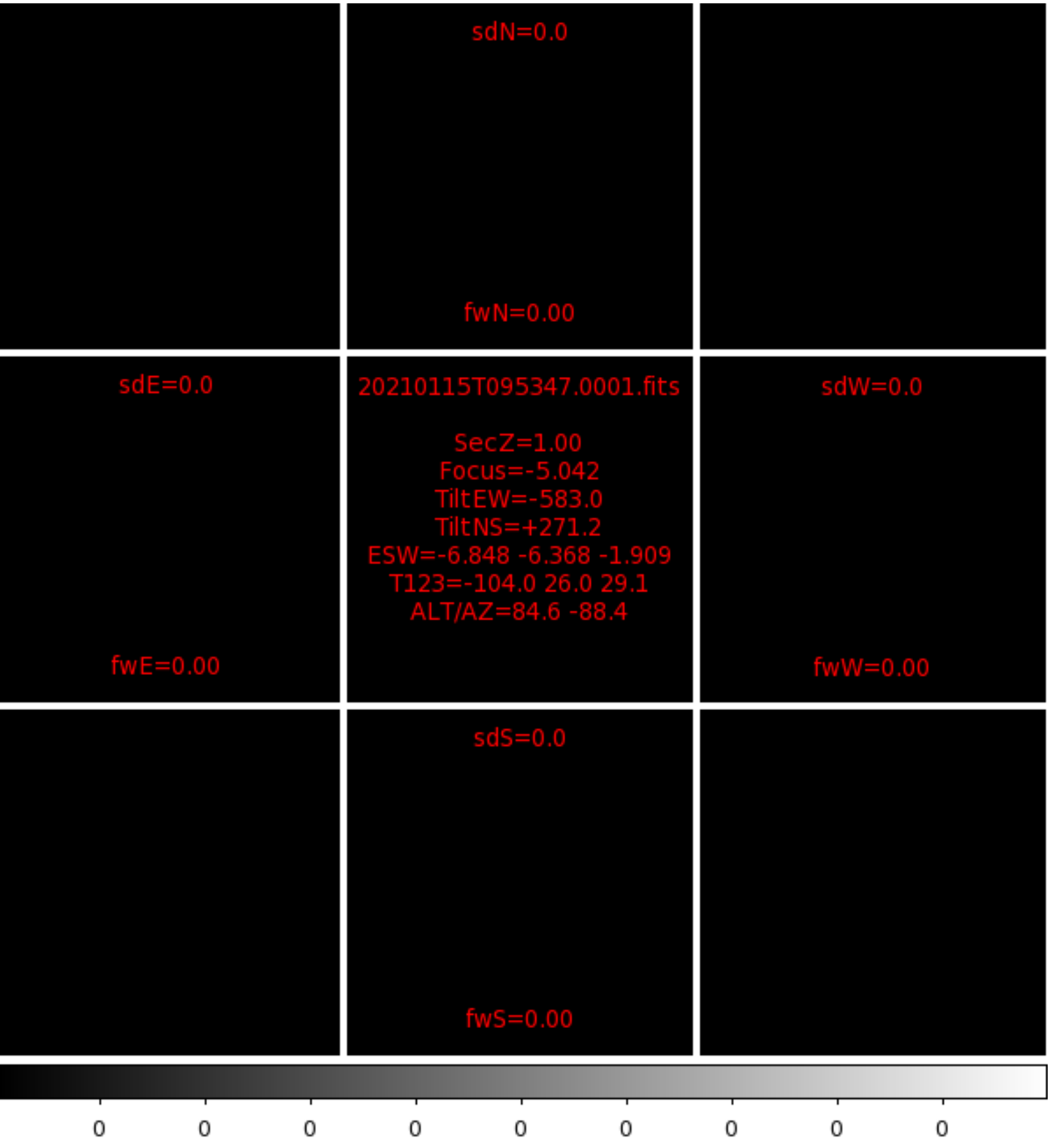
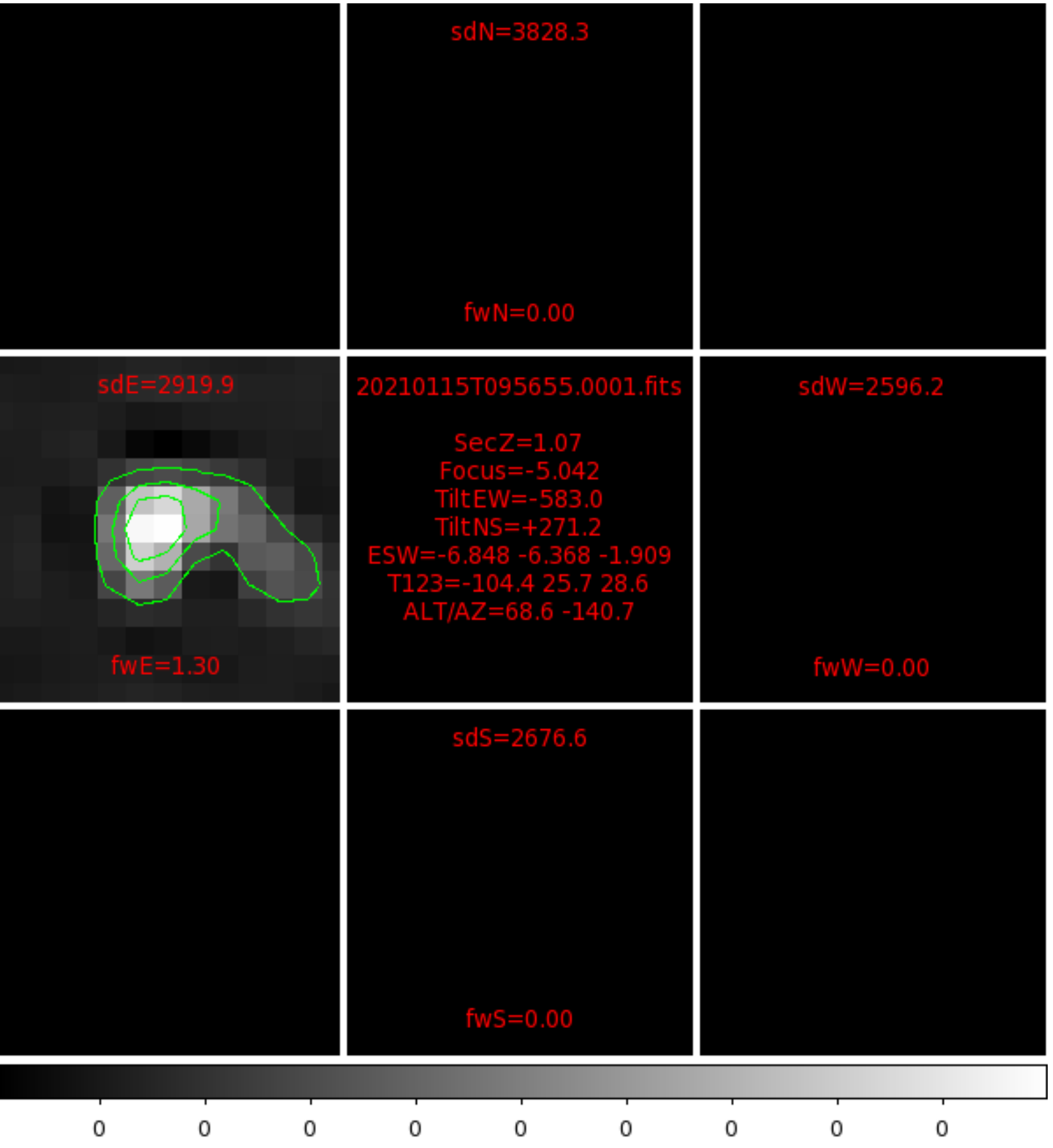

FFT (FWHM-FOCUS-TEMP) Monitoring
EST=-4.568 FOC=-4.455
Temperature
North
East
West
South
Airmass
Estimate
Focus
FWHM (arcsec) or Temperature (°C)
Focus (mm)
Universal Time (2021-01-15)
0
2
4
6
8
10
12
-3.6
-4
-4.4
-4.8
-5.2
-5.6
-6
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00


sdN=1.3
fwN=0.00
sdE=0.0
20210115T092444.0001.fits
SecZ=1.00
Focus=-5.042
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.848 -6.368 -1.909
T123=-100.3 0.0 30.9
ALT/AZ=89.8 -89.9
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=0.0
fwN=0.00
sdE=0.0
20210115T095347.0001.fits
SecZ=1.00
Focus=-5.042
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.848 -6.368 -1.909
T123=-104.0 26.0 29.1
ALT/AZ=84.6 -88.4
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=3828.3
fwN=0.00
sdE=2919.9
fwE=1.30
20210115T095655.0001.fits
SecZ=1.07
Focus=-5.042
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.848 -6.368 -1.909
T123=-104.4 25.7 28.6
ALT/AZ=68.6 -140.7
sdW=2596.2
fwW=0.00
sdS=2676.6
fwS=0.00
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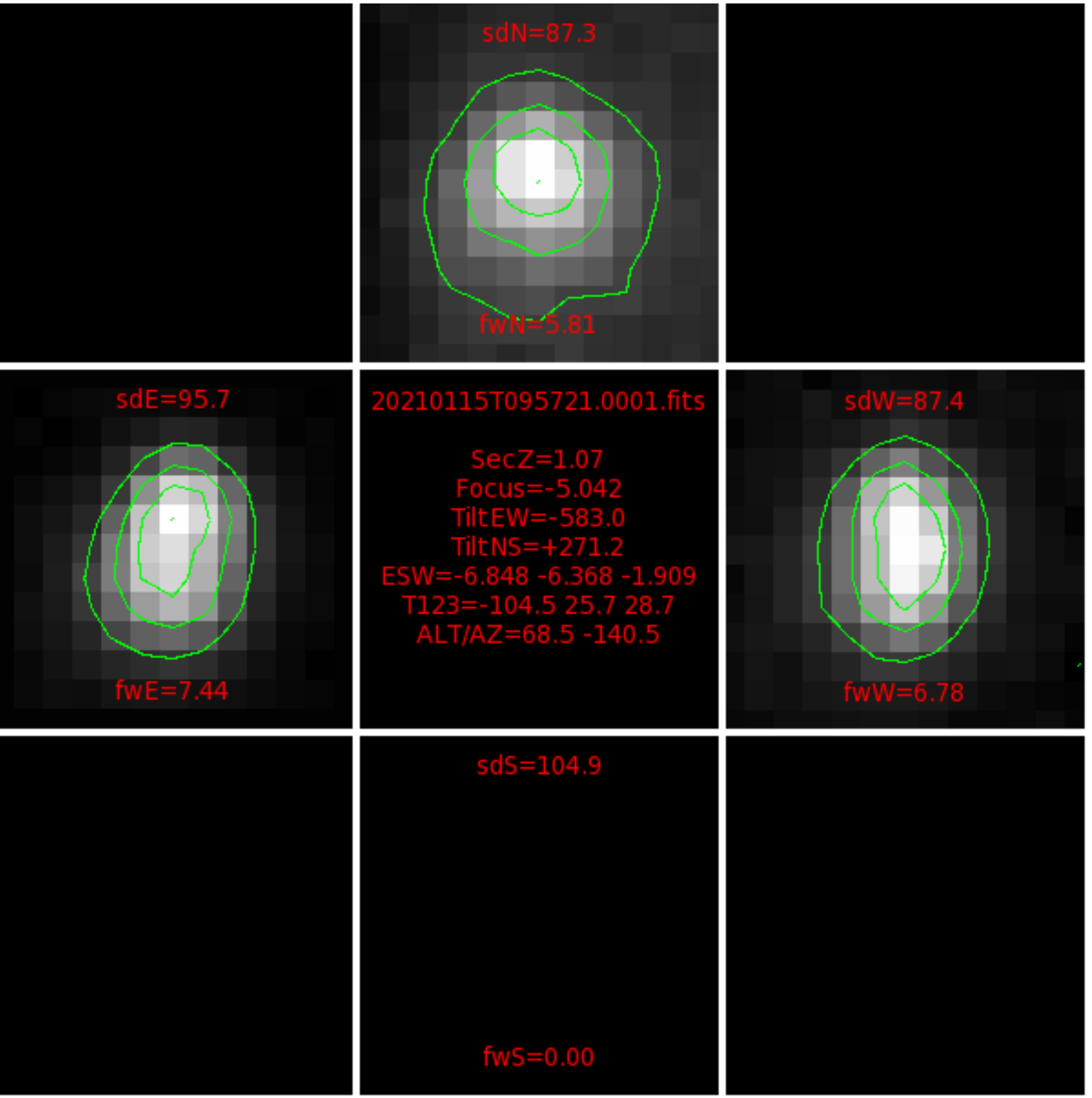
sdN=87.3
fwN=5.81
sdE=95.7
fwE=7.44
20210115T095721.0001.fits
SecZ=1.07
Focus=-5.042
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.848 -6.368 -1.909
T123=-104.5 25.7 28.7
ALT/AZ=68.5 -140.5
sdW=87.4
fwW=6.78
sdS=104.9
fwS=0.00
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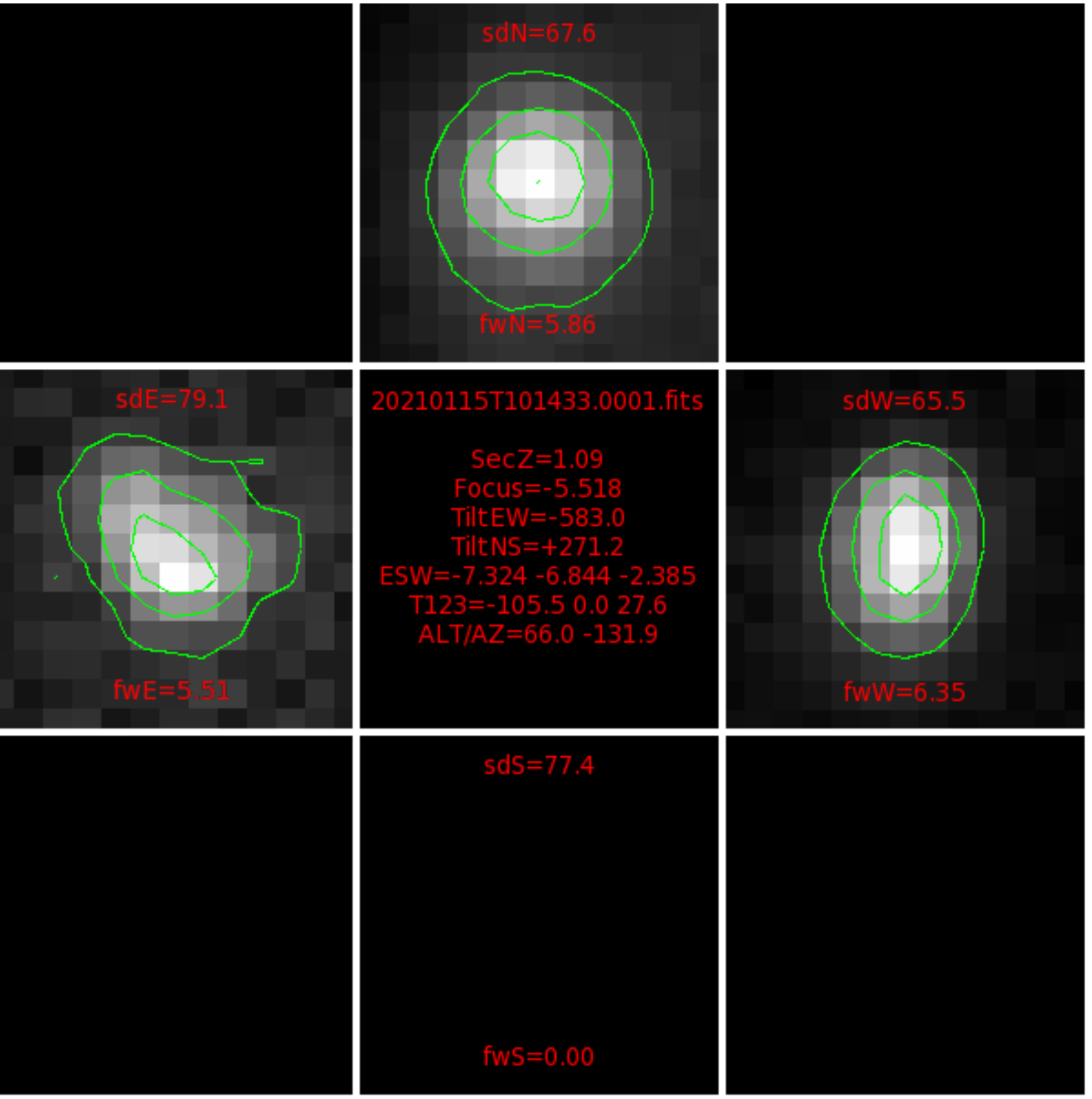
sdN=67.6
fwN=5.86
sdE=79.1
fwE=5.51
20210115T101433.0001.fits
SecZ=1.09
Focus=-5.518
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.324 -6.844 -2.385
T123=-105.5 0.0 27.6
ALT/AZ=66.0 -131.9
sdW=65.5
fwW=6.35
sdS=77.4
fwS=0.00
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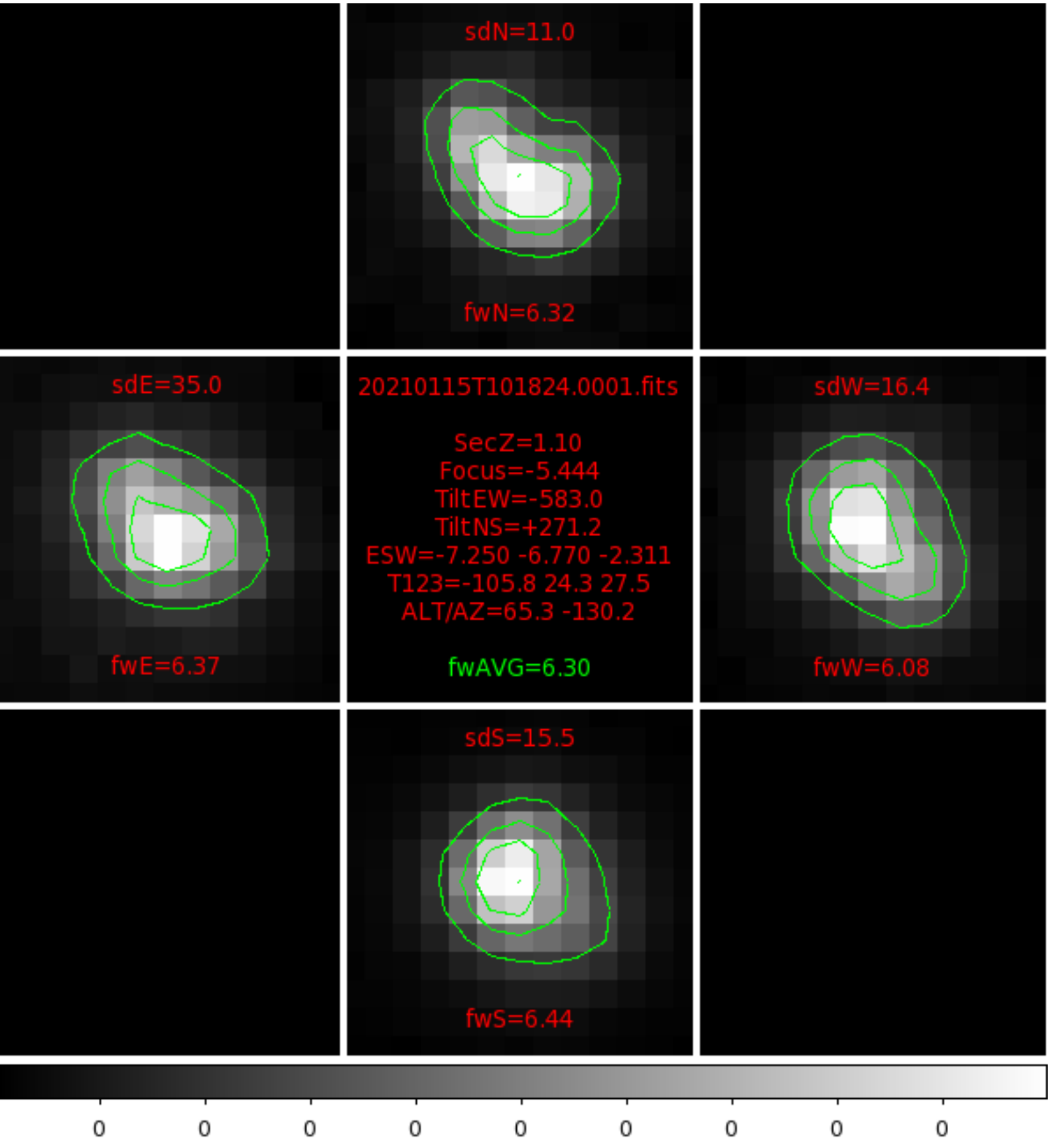
sdN=11.0
fwN=6.32
sdE=35.0
fwE=6.37
20210115T101824.0001.fits
SecZ=1.10
Focus=-5.444
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.250 -6.770 -2.311
T123=-105.8 24.3 27.5
ALT/AZ=65.3 -130.2
fwAVG=6.30
sdW=16.4
fwW=6.08
sdS=15.5
fwS=6.44
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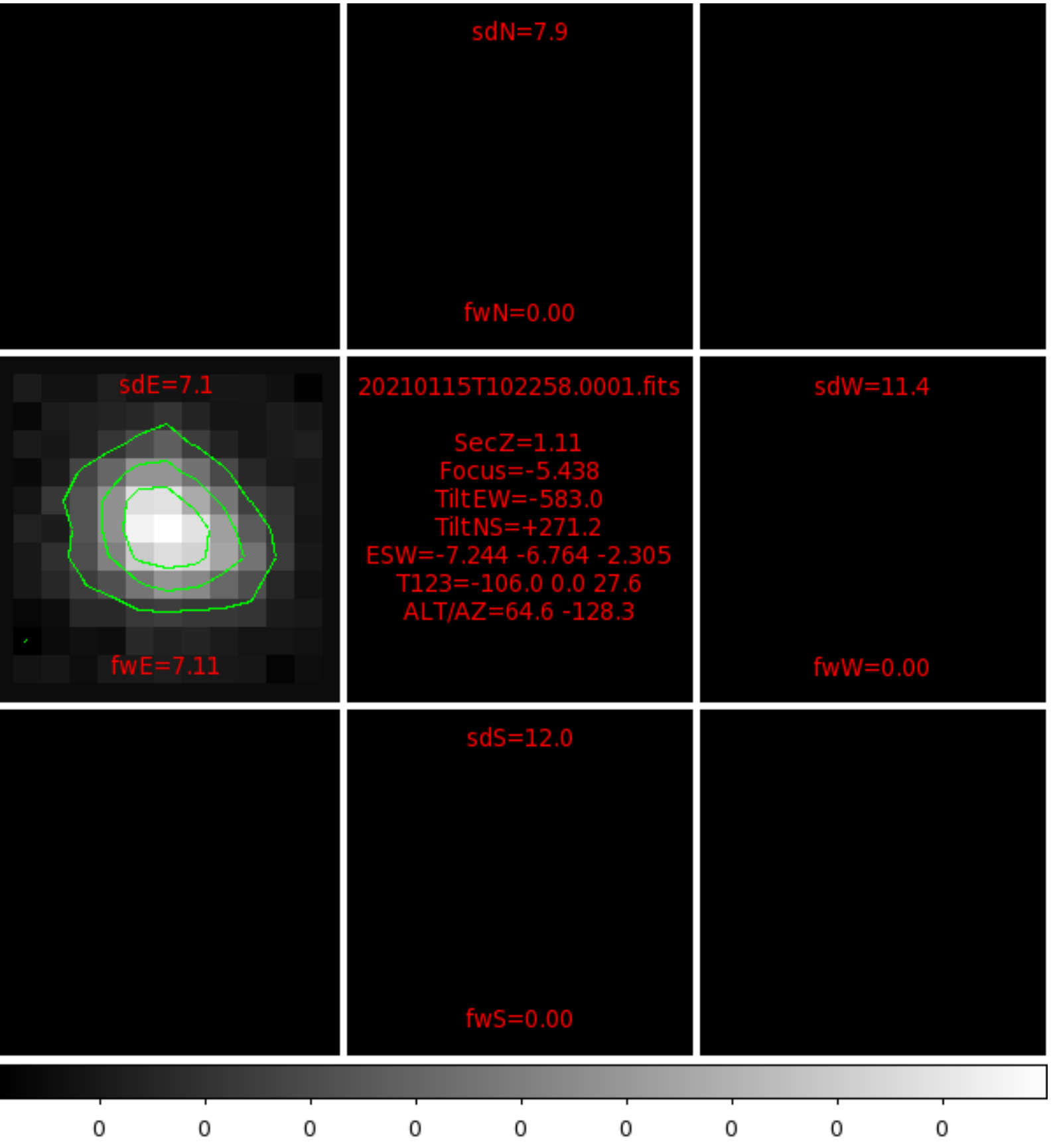
sdN=7.9
fwN=0.00
sdE=7.1
fwE=7.11
20210115T102258.0001.fits
SecZ=1.11
Focus=-5.438
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.244 -6.764 -2.305
T123=-106.0 0.0 27.6
ALT/AZ=64.6 -128.3
sdW=11.4
fwW=0.00
sdS=12.0
fwS=0.00
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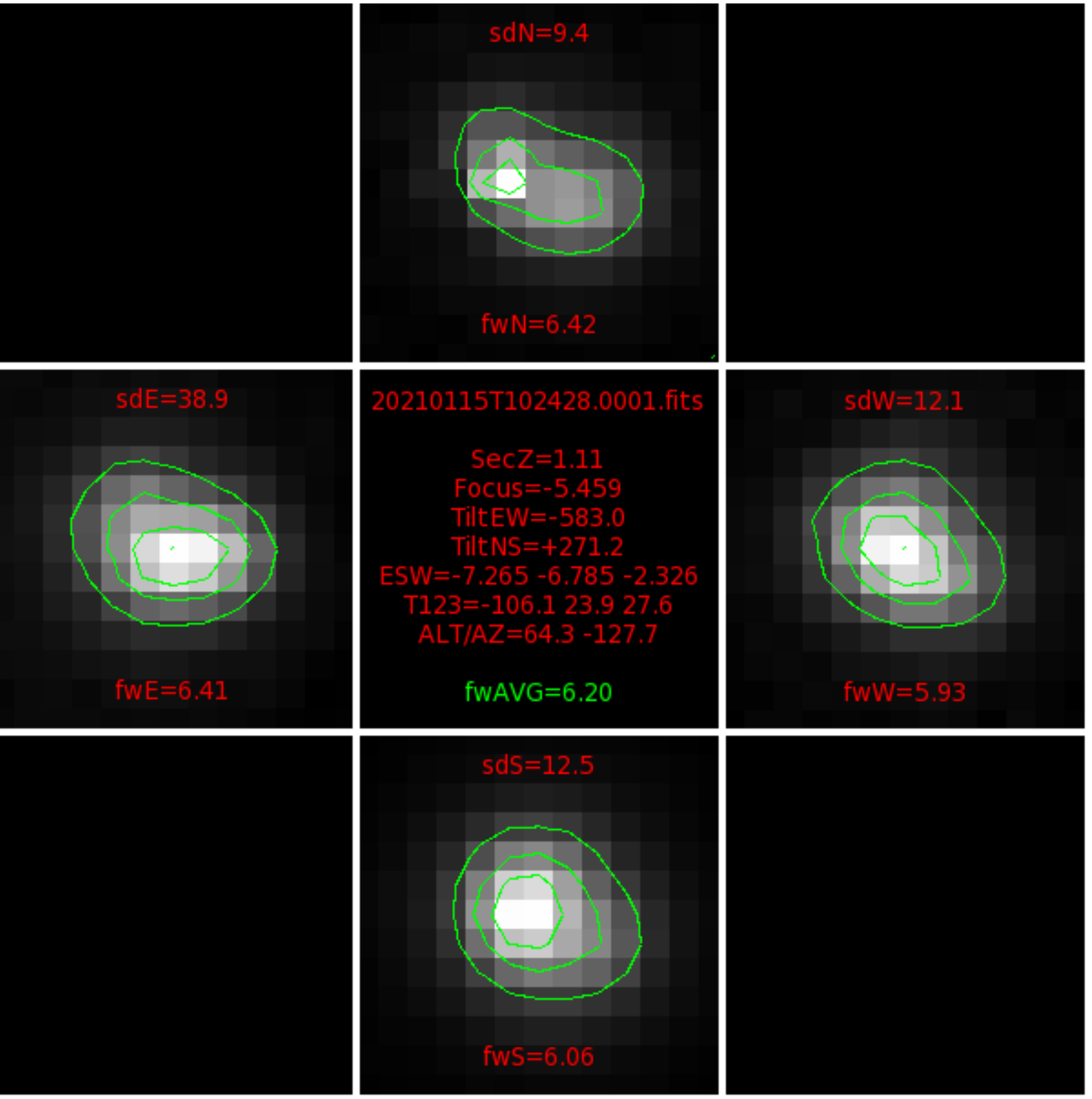
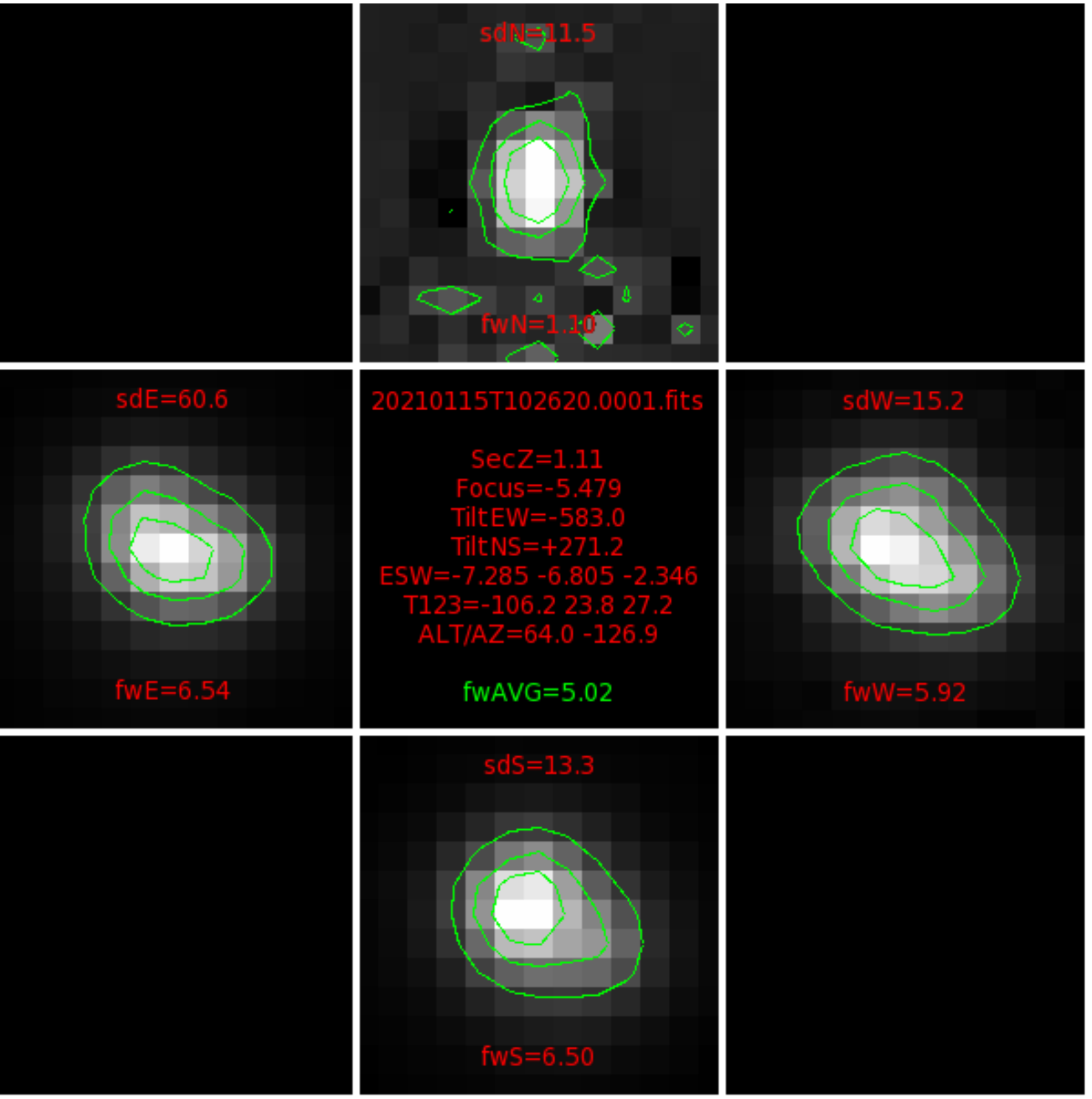

sdN=9.4
fwN=6.42
sdE=38.9
fwE=6.41
20210115T102428.0001.fits
SecZ=1.11
Focus=-5.459
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.265 -6.785 -2.326
T123=-106.1 23.9 27.6
ALT/AZ=64.3 -127.7
fwAVG=6.20
sdW=12.1
fwW=5.93
sdS=12.5
fwS=6.06
0 0 0 0 0 0 0 0 0


sdN=11.5
fwN=1.10
sdE=60.6
fwE=6.54
20210115T102620.0001.fits
SecZ=1.11
Focus=-5.479
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.285 -6.805 -2.346
T123=-106.2 23.8 27.2
ALT/AZ=64.0 -126.9
fwAVG=5.02
sdW=15.2
fwW=5.92
sdS=13.3
fwS=6.50
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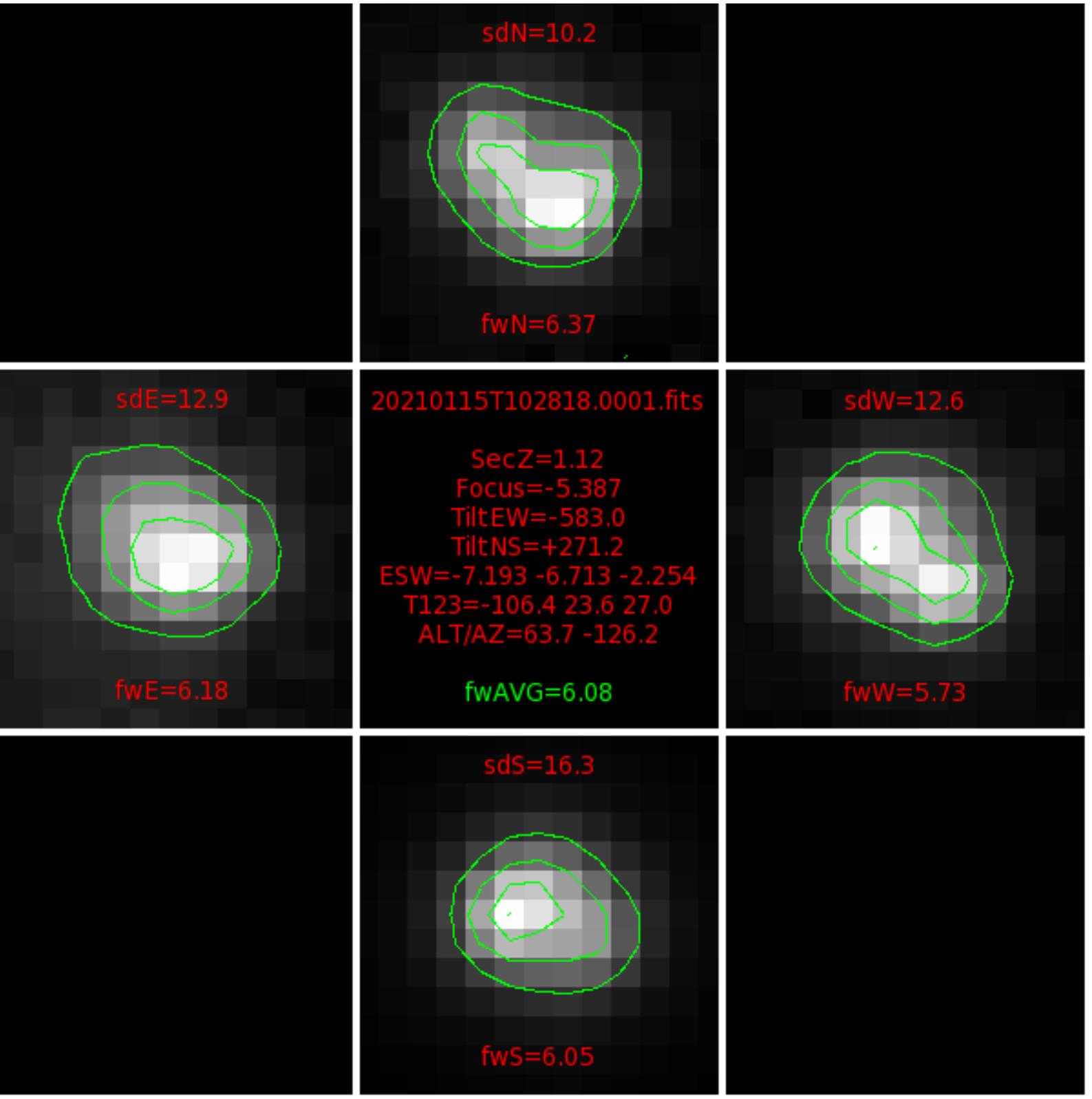
sdN=10.2
fwN=6.37
sdE=12.9
fwE=6.18
20210115T102818.0001.fits
SecZ=1.12
Focus=-5.387
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.193 -6.713 -2.254
T123=-106.4 23.6 27.0
ALT/AZ=63.7 -126.2
fwAVG=6.08
sdW=12.6
fwW=5.73
sdS=16.3
fwS=6.05
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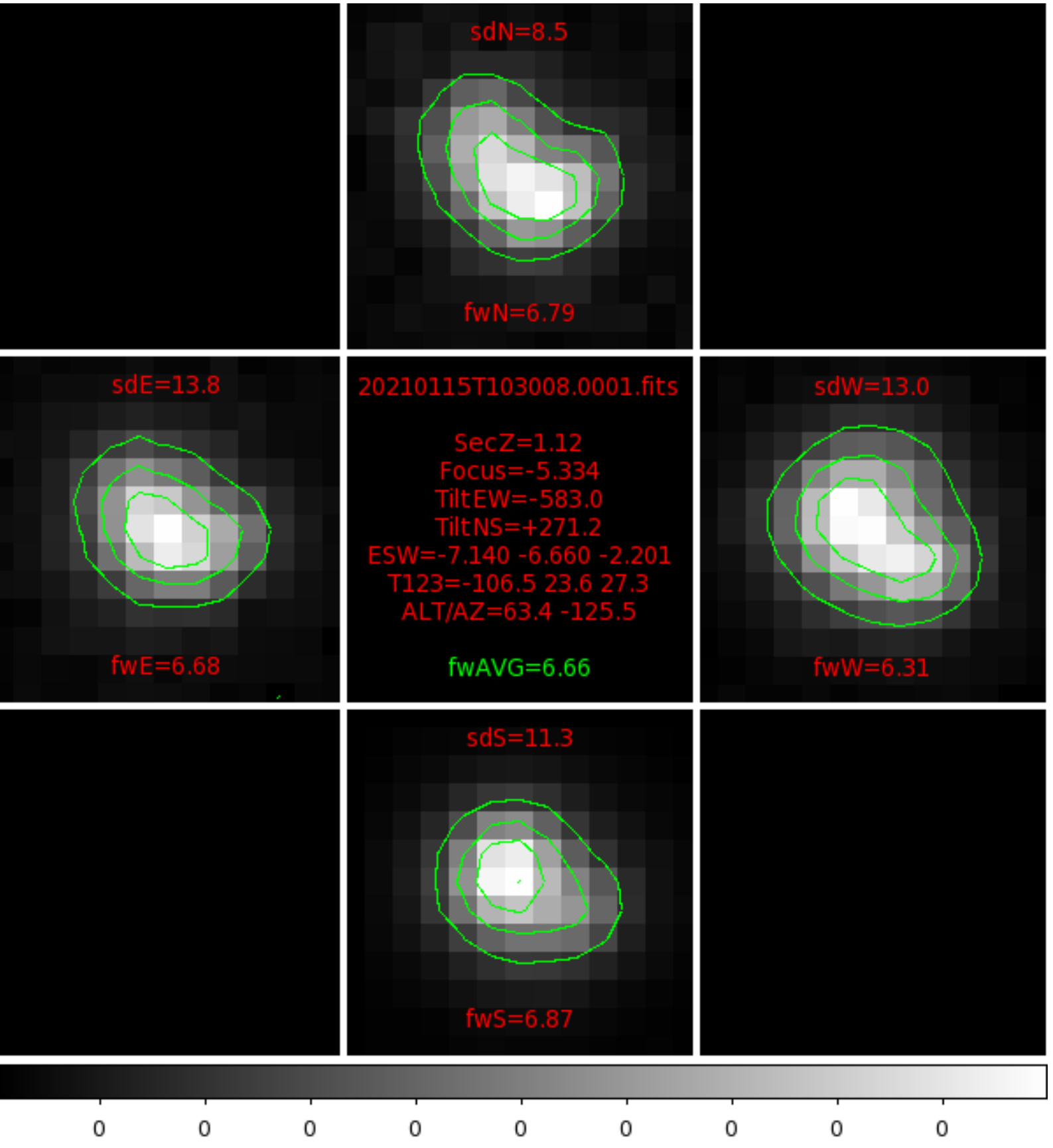
sdN=8.5
fwN=6.79
sdE=13.8
fwE=6.68
20210115T103008.0001.fits
SecZ=1.12
Focus=-5.334
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.140 -6.660 -2.201
T123=-106.5 23.6 27.3
ALT/AZ=63.4 -125.5
fwAVG=6.66
sdW=13.0
fwW=6.31
sdS=11.3
fwS=6.87
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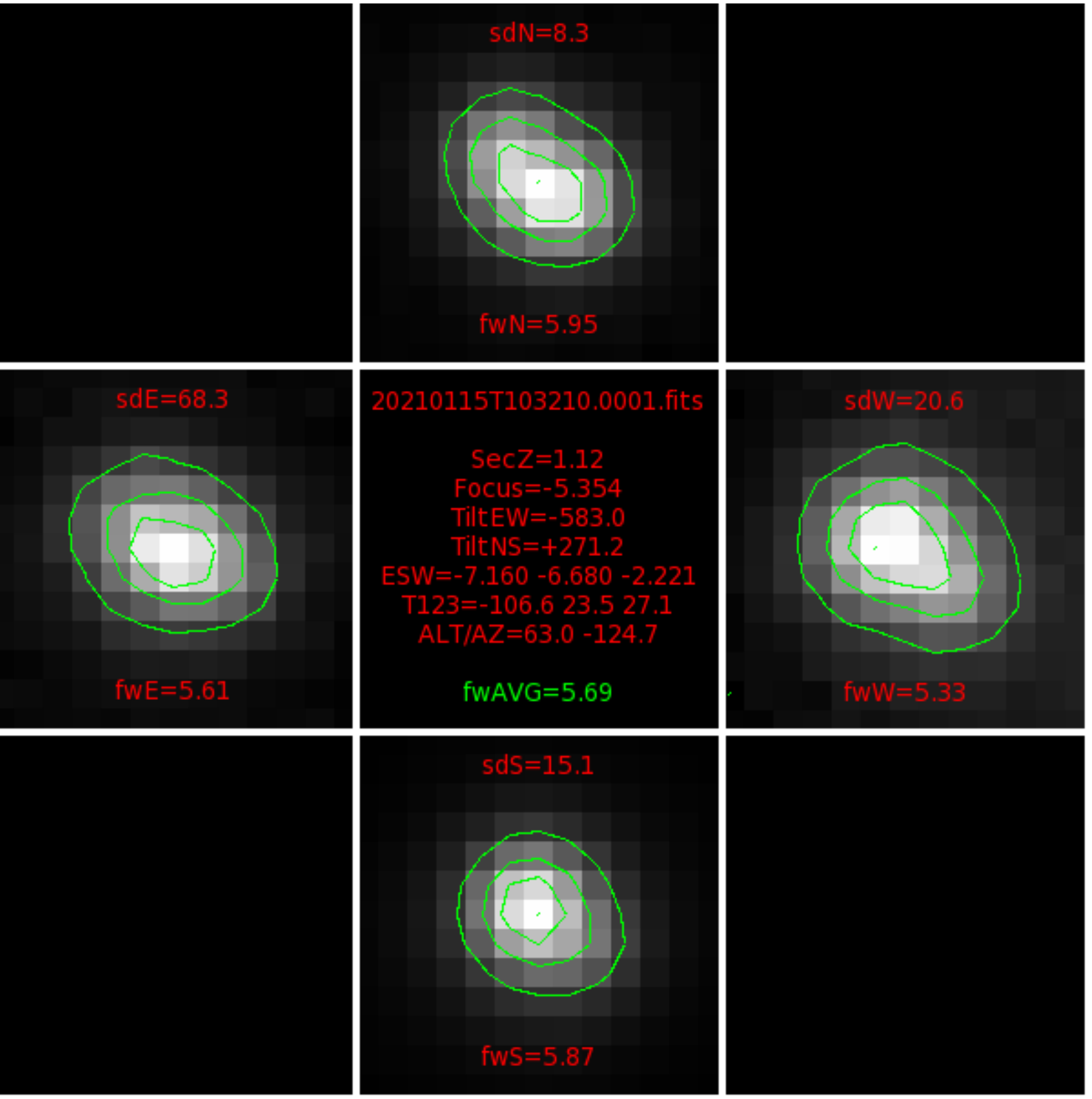
sdN=8.3
fwN=5.95
sdE=68.3
fwE=5.61
20210115T103210.0001.fits
SecZ=1.12
Focus=-5.354
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.160 -6.680 -2.221
T123=-106.6 23.5 27.1
ALT/AZ=63.0 -124.7
fwAVG=5.69
sdW=20.6
fwW=5.33
sdS=15.1
fwS=5.87
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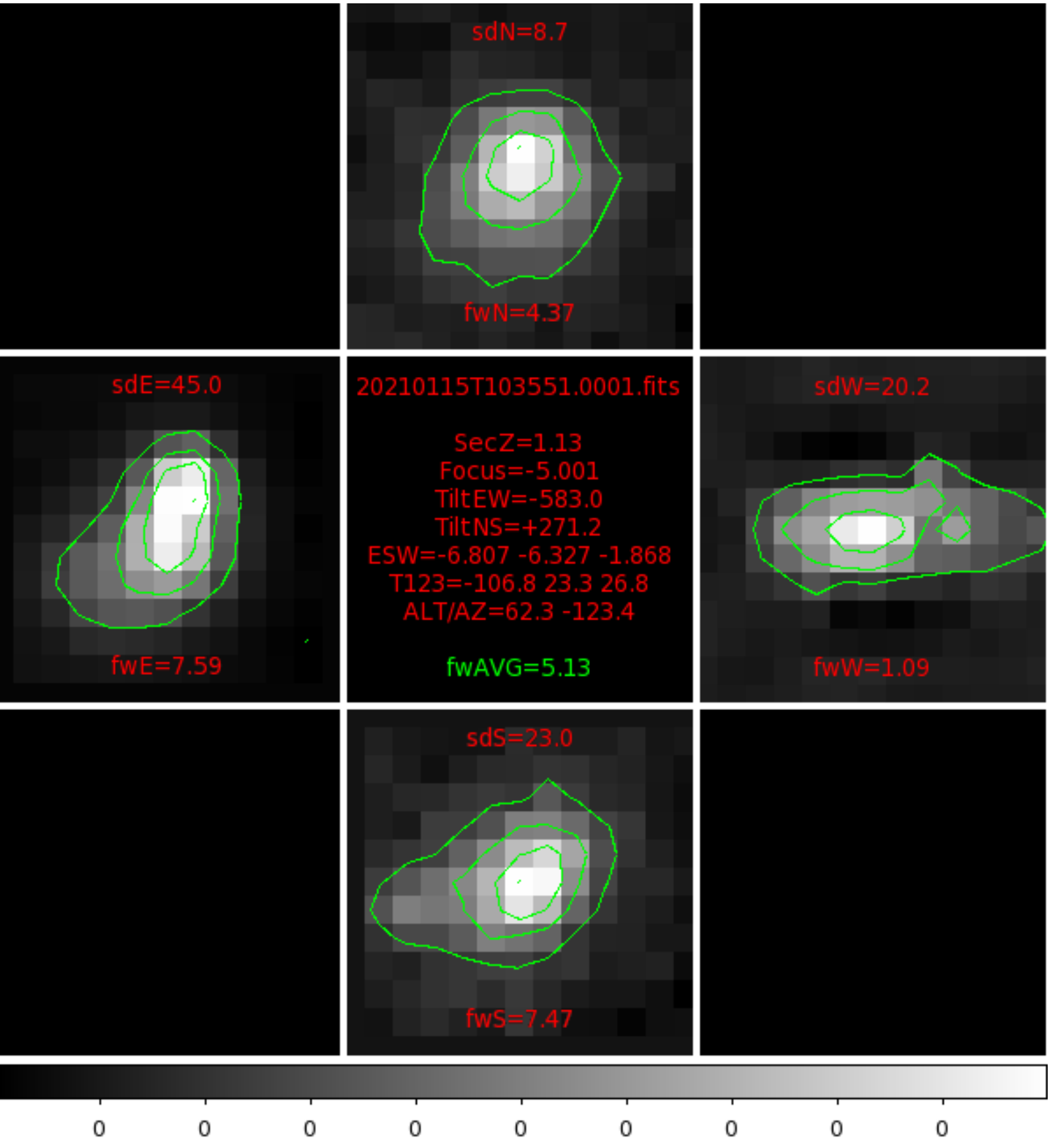
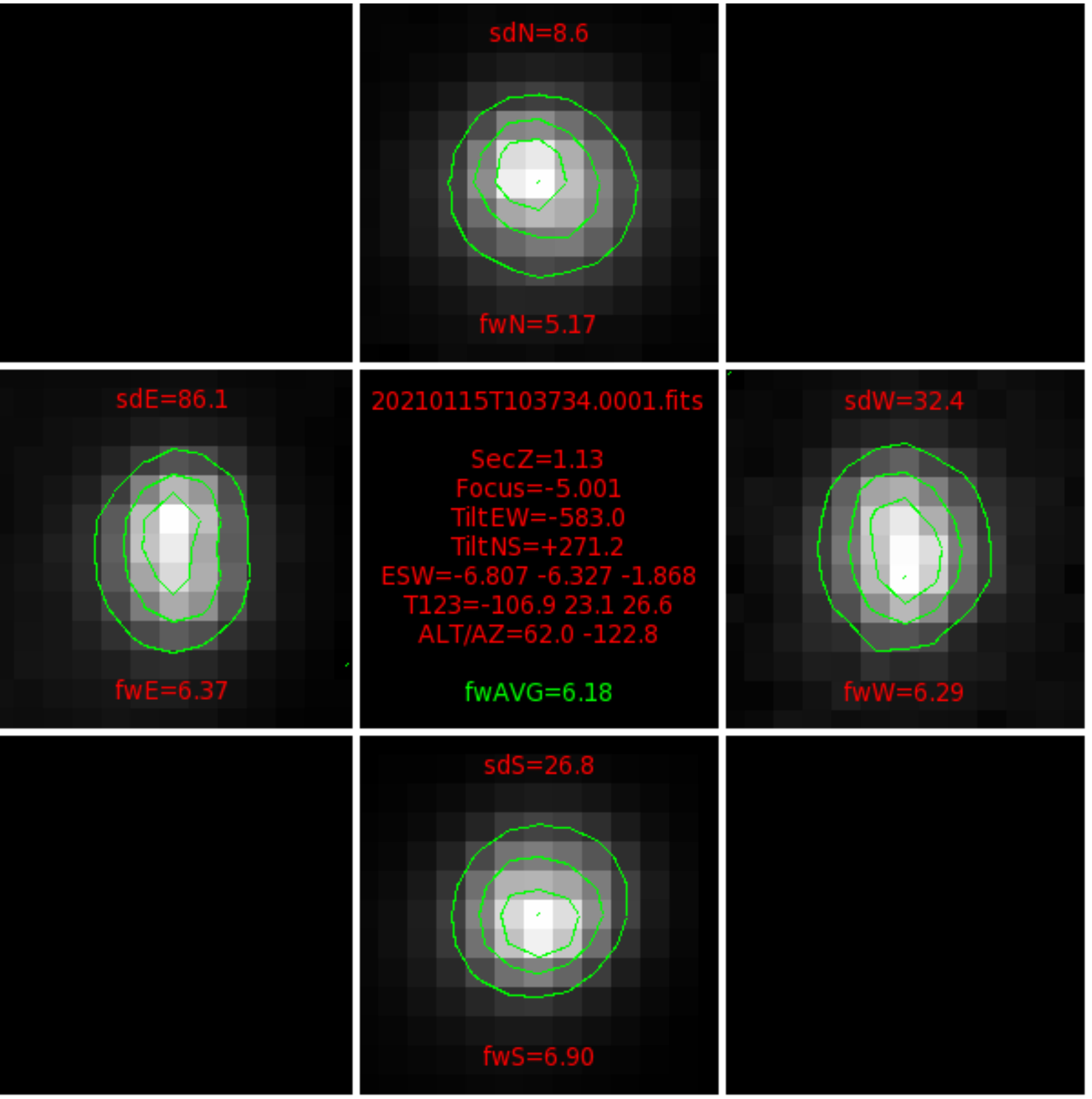

sdN=8.7
fwN=4.37
sdE=45.0
fwE=7.59
20210115T103551.0001.fits
SecZ=1.13
Focus=-5.001
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.807 -6.327 -1.868
T123=-106.8 23.3 26.8
ALT/AZ=62.3 -123.4
fwAVG=5.13
sdW=20.2
fwW=1.09
sdS=23.0
fwS=7.47
0 0 0 0 0 0 0 0 0


sdN=8.6
fwN=5.17
sdE=86.1
fwE=6.37
20210115T103734.0001.fits
SecZ=1.13
Focus=-5.001
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.807 -6.327 -1.868
T123=-106.9 23.1 26.6
ALT/AZ=62.0 -122.8
fwAVG=6.18
sdW=32.4
fwW=6.29
sdS=26.8
fwS=6.90
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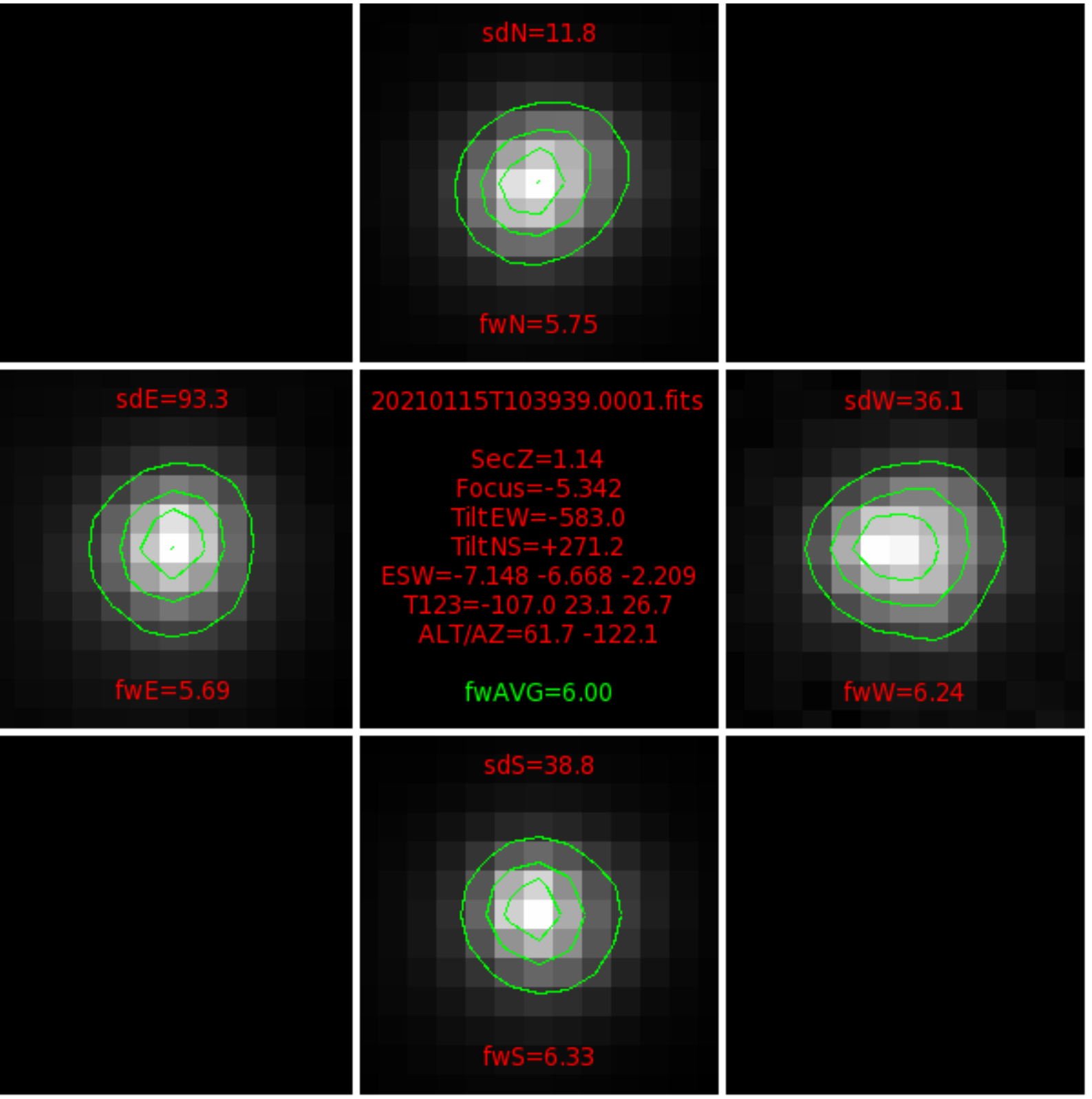
sdN=11.8
fwN=5.75
sdE=93.3
fwE=5.69
20210115T103939.0001.fits
SecZ=1.14
Focus=-5.342
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.148 -6.668 -2.209
T123=-107.0 23.1 26.7
ALT/AZ=61.7 -122.1
fwAVG=6.00
sdW=36.1
fwW=6.24
sdS=38.8
fwS=6.33
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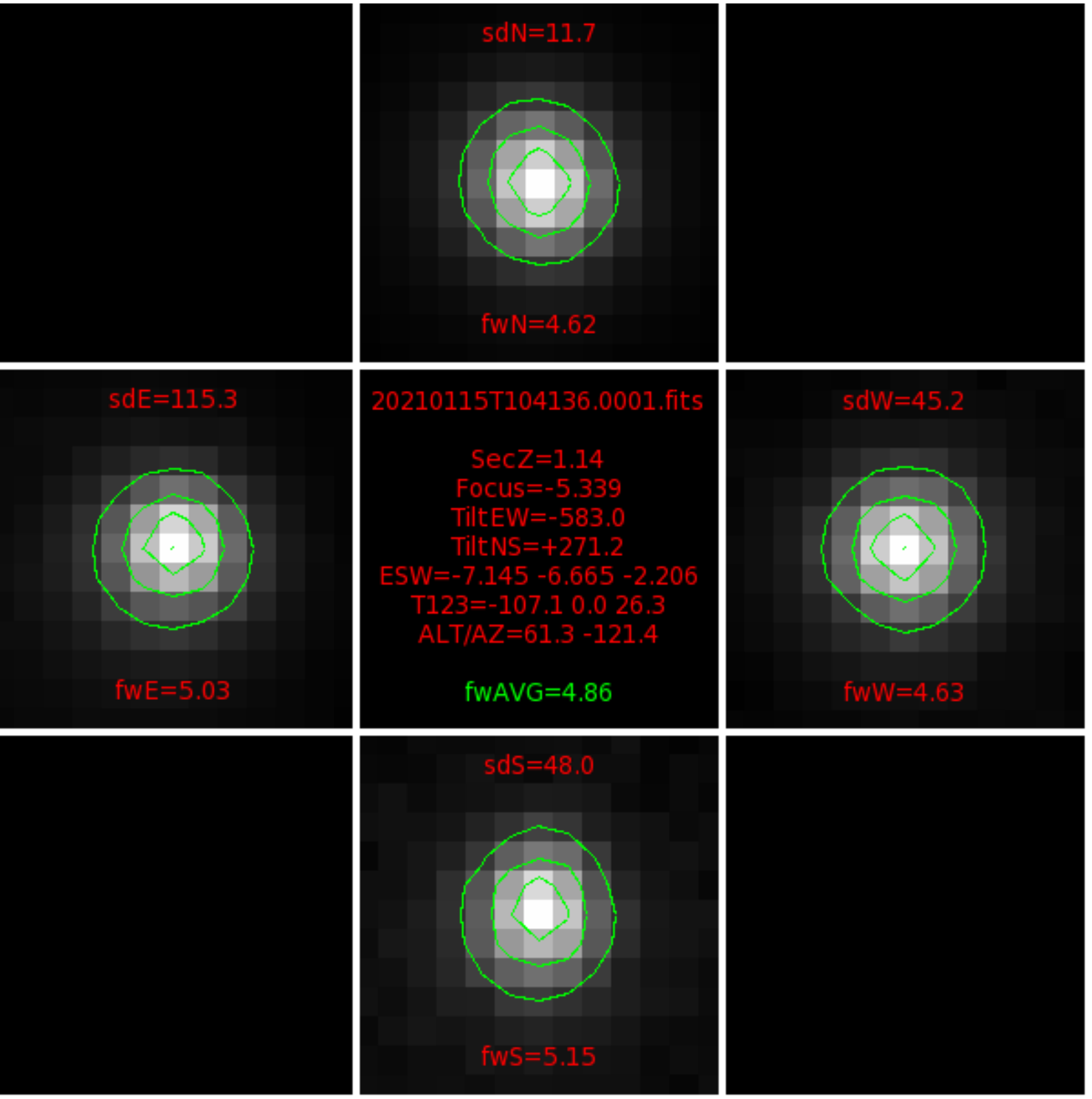
sdN=11.7
fwN=4.62
sdE=115.3
fwE=5.03
20210115T104136.0001.fits
SecZ=1.14
Focus=-5.339
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.145 -6.665 -2.206
T123=-107.1 0.0 26.3
ALT/AZ=61.3 -121.4
fwAVG=4.86
sdW=45.2
fwW=4.63
sdS=48.0
fwS=5.15
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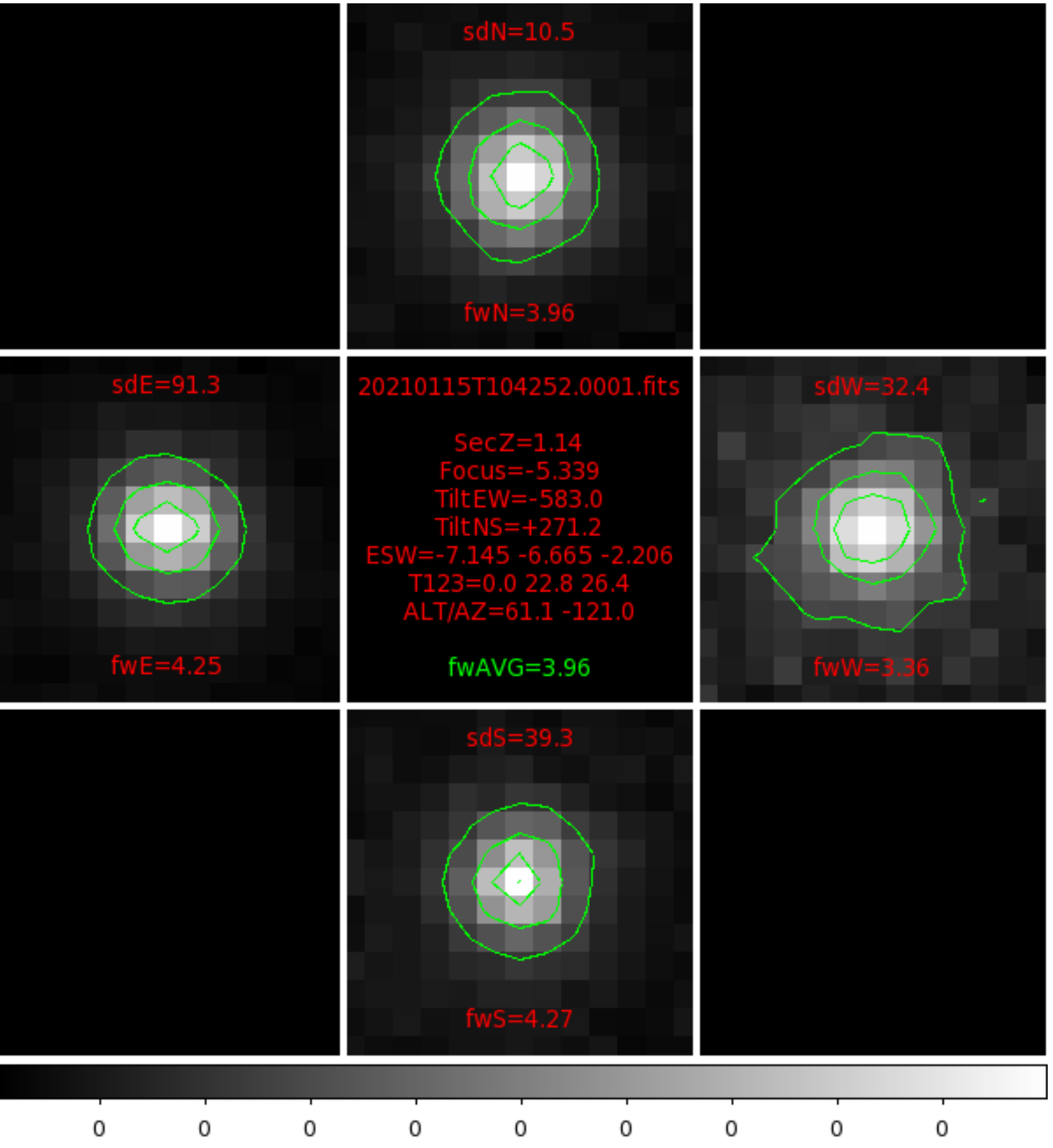
sdN=10.5
fwN=3.96
sdE=91.3
fwE=4.25
20210115T104252.0001.fits
SecZ=1.14
Focus=-5.339
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.145 -6.665 -2.206
T123=0.0 22.8 26.4
ALT/AZ=61.1 -121.0
fwAVG=3.96
sdW=32.4
fwW=3.36
sdS=39.3
fwS=4.27
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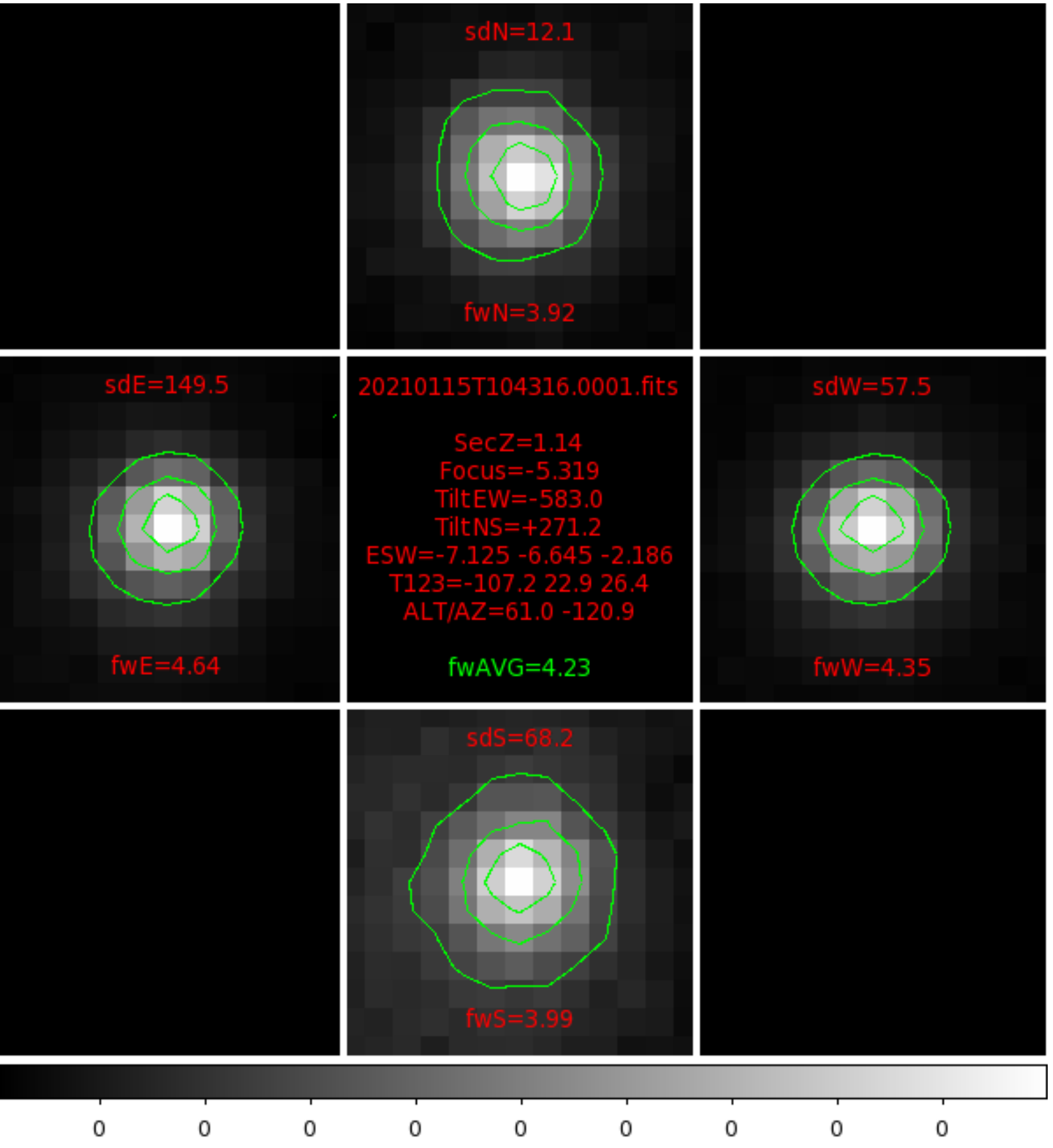
sdN=12.1
fwN=3.92
sdE=149.5
fwE=4.64
20210115T104316.0001.fits
SecZ=1.14
Focus=-5.319
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.125 -6.645 -2.186
T123=-107.2 22.9 26.4
ALT/AZ=61.0 -120.9
fwAVG=4.23
sdW=57.5
fwW=4.35
sdS=68.2
fwS=3.99
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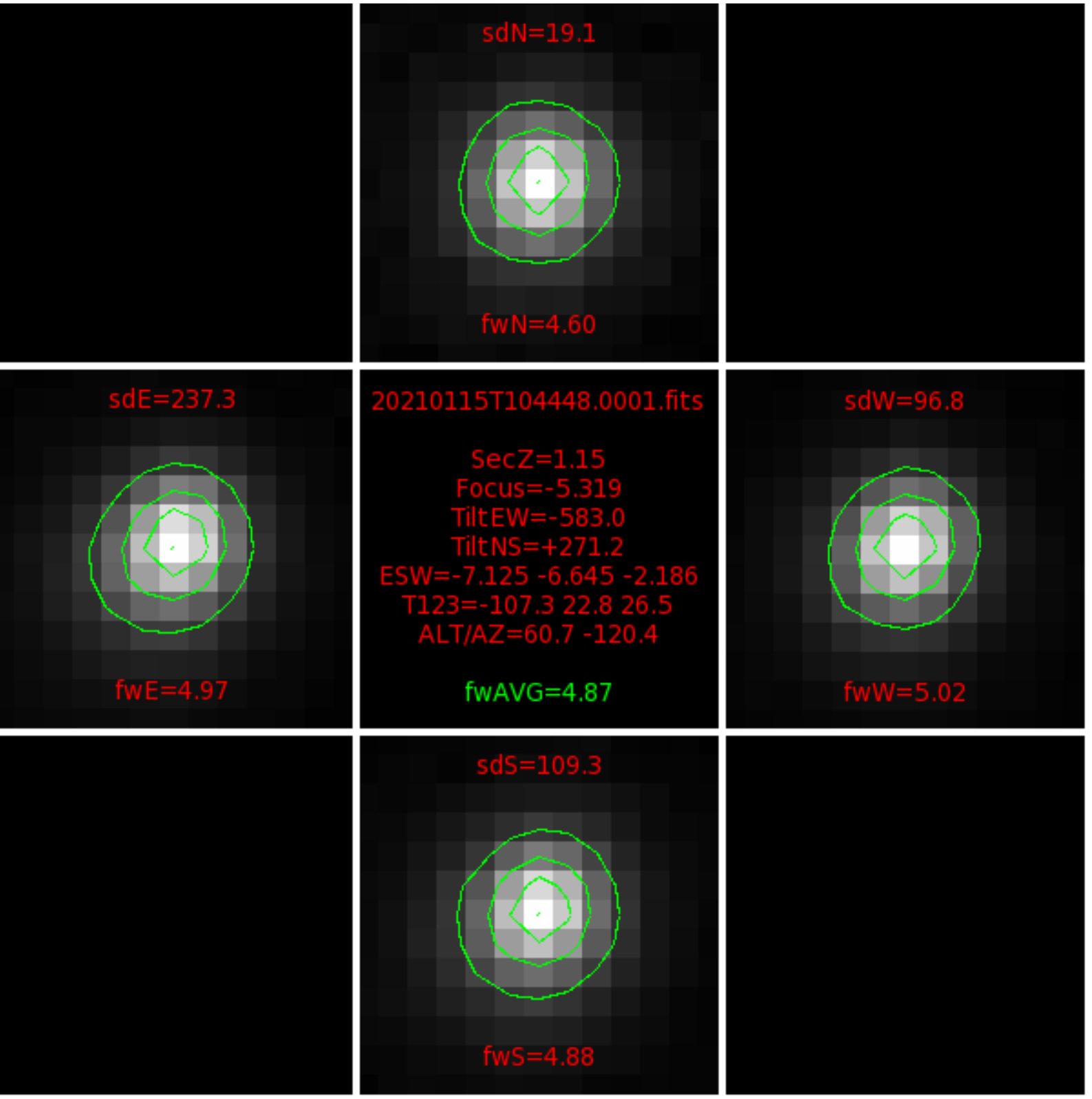
sdN=19.1
fwN=4.60
sdE=237.3
fwE=4.97
20210115T104448.0001.fits
SecZ=1.15
Focus=-5.319
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.125 -6.645 -2.186
T123=-107.3 22.8 26.5
ALT/AZ=60.7 -120.4
fwAVG=4.87
sdW=96.8
fwW=5.02
sdS=109.3
fwS=4.88
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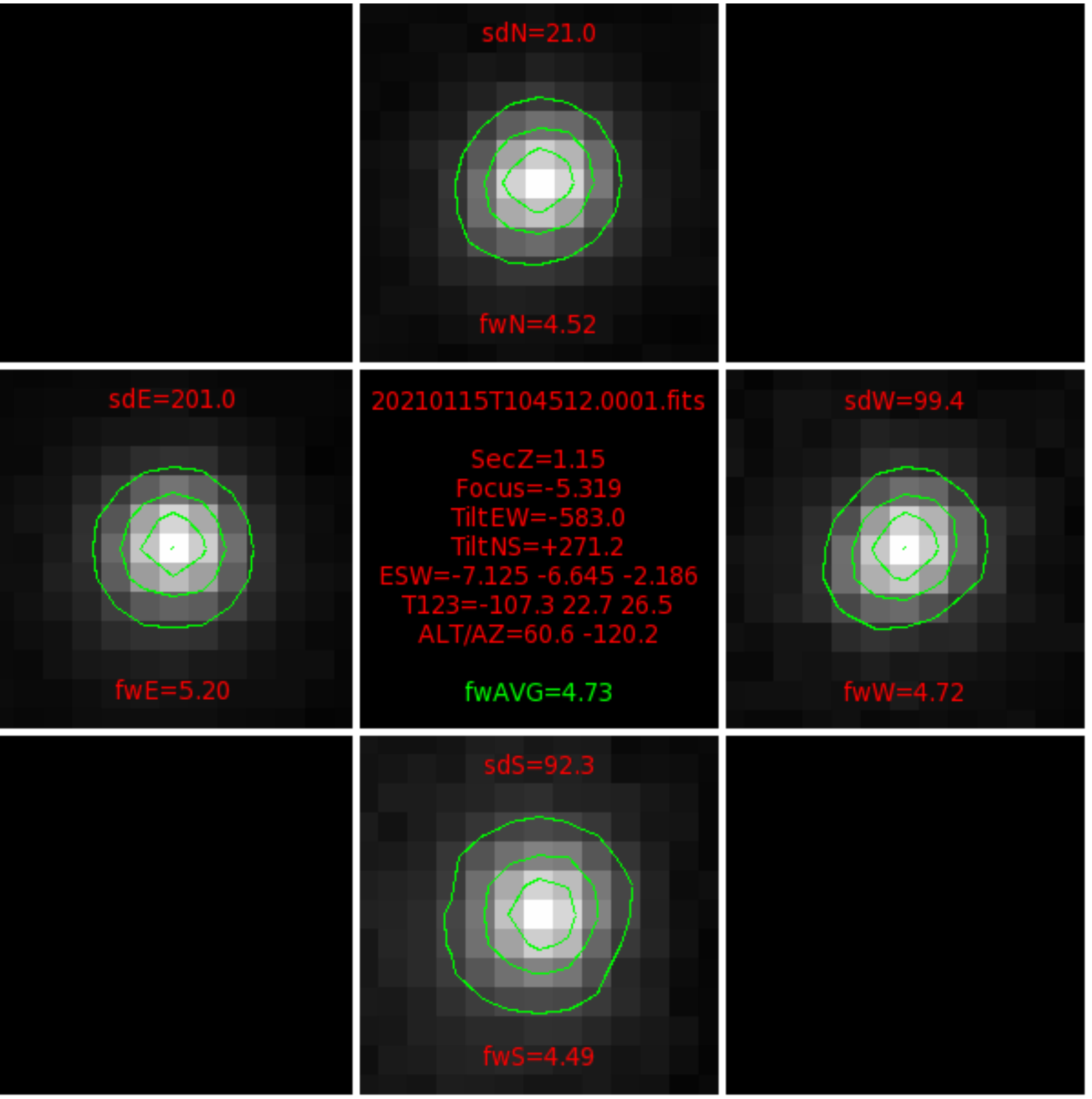
sdN=21.0
fwN=4.52
sdE=201.0
fwE=5.20
20210115T104512.0001.fits
SecZ=1.15
Focus=-5.319
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.125 -6.645 -2.186
T123=-107.3 22.7 26.5
ALT/AZ=60.6 -120.2
fwAVG=4.73
sdW=99.4
fwW=4.72
sdS=92.3
fwS=4.49
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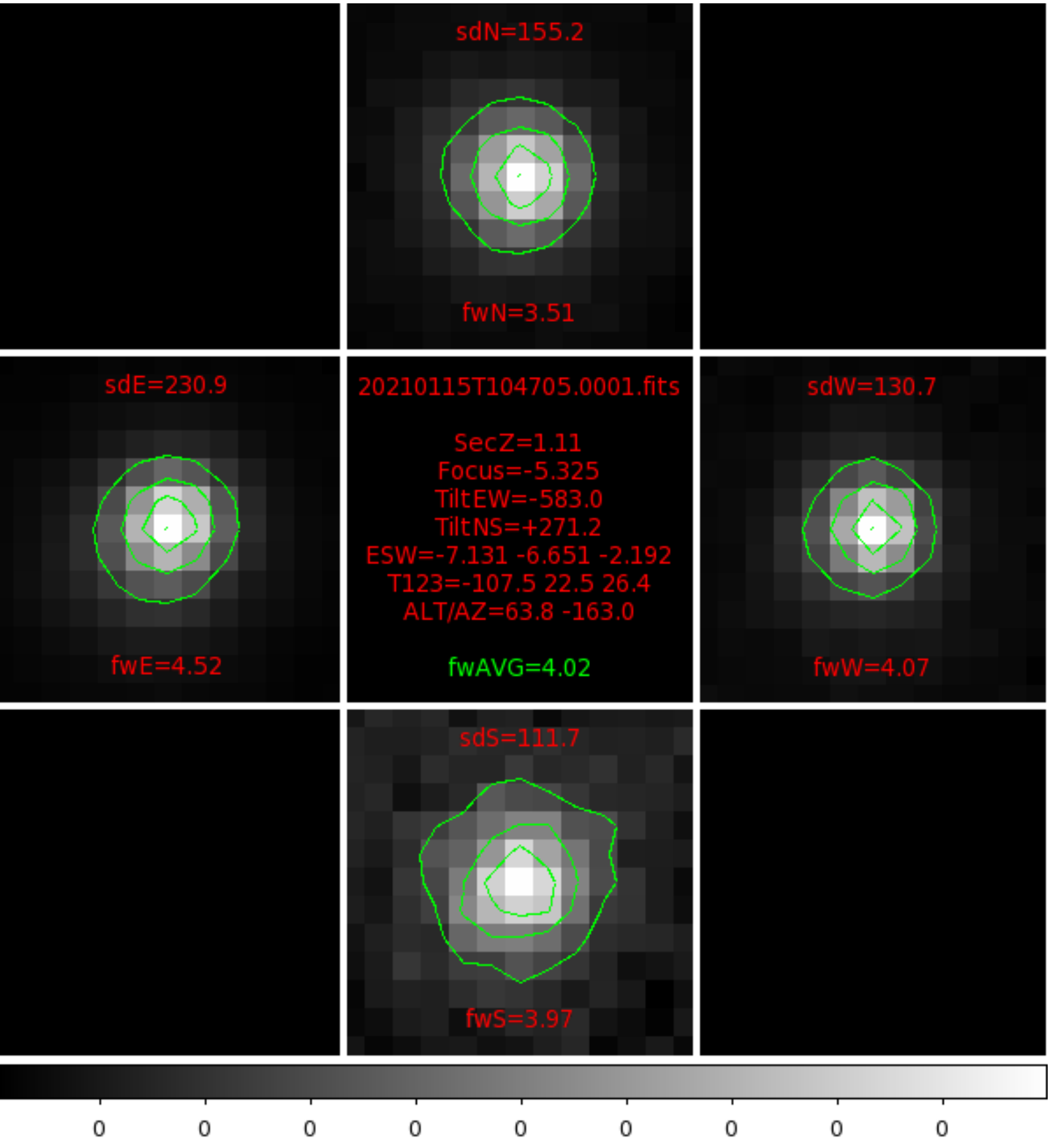
sdN=155.2
fwN=3.51
sdE=230.9
fwE=4.52
20210115T104705.0001.fits
SecZ=1.11
Focus=-5.325
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.131 -6.651 -2.192
T123=-107.5 22.5 26.4
ALT/AZ=63.8 -163.0
fwAVG=4.02
sdW=130.7
fwW=4.07
sdS=111.7
fwS=3.97
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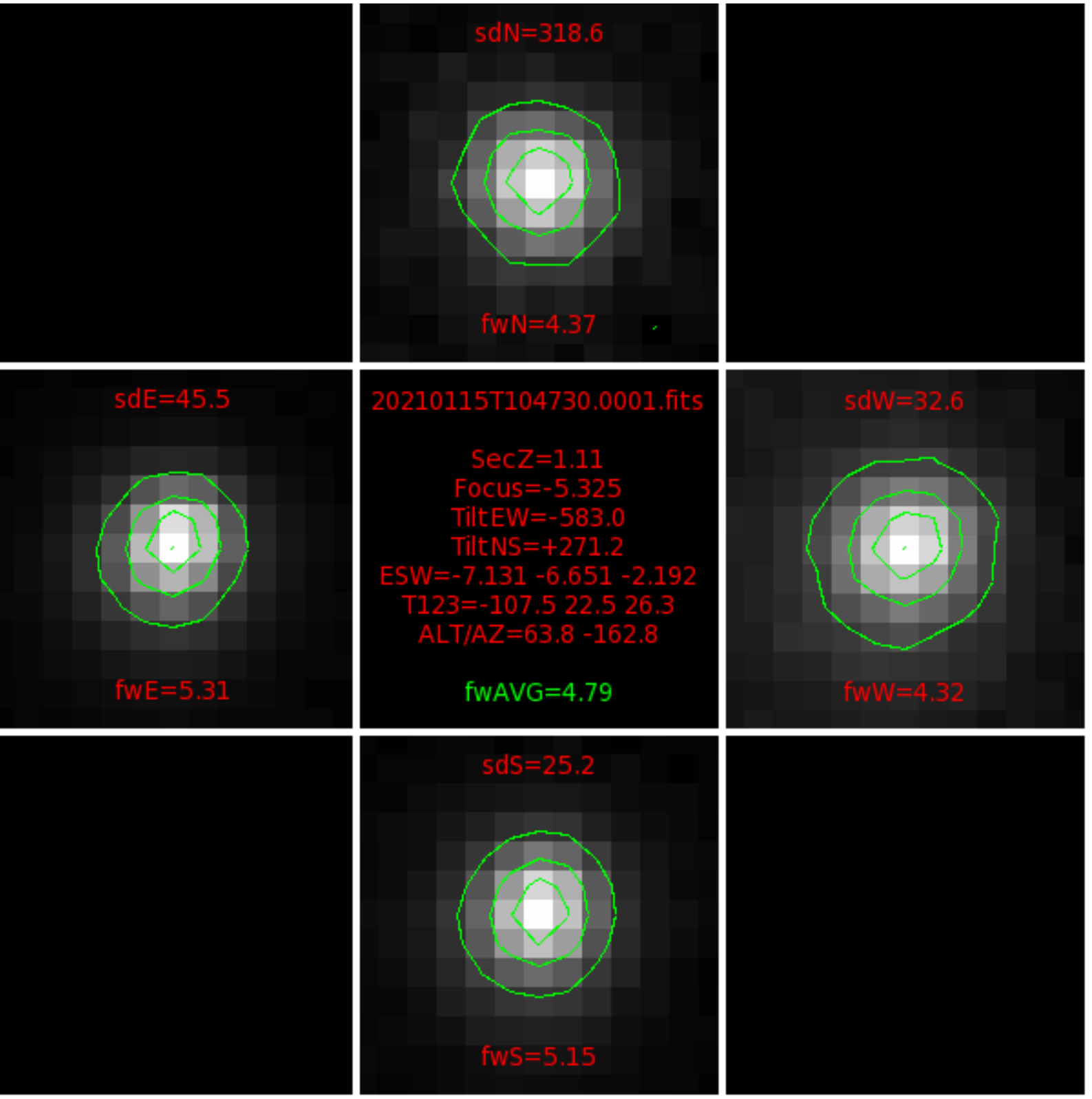
sdN=318.6
fwN=4.37
sdE=45.5
fwE=5.31
20210115T104730.0001.fits
SecZ=1.11
Focus=-5.325
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.131 -6.651 -2.192
T123=-107.5 22.5 26.3
ALT/AZ=63.8 -162.8
fwAVG=4.79
sdW=32.6
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sdS=25.2
fwS=5.15
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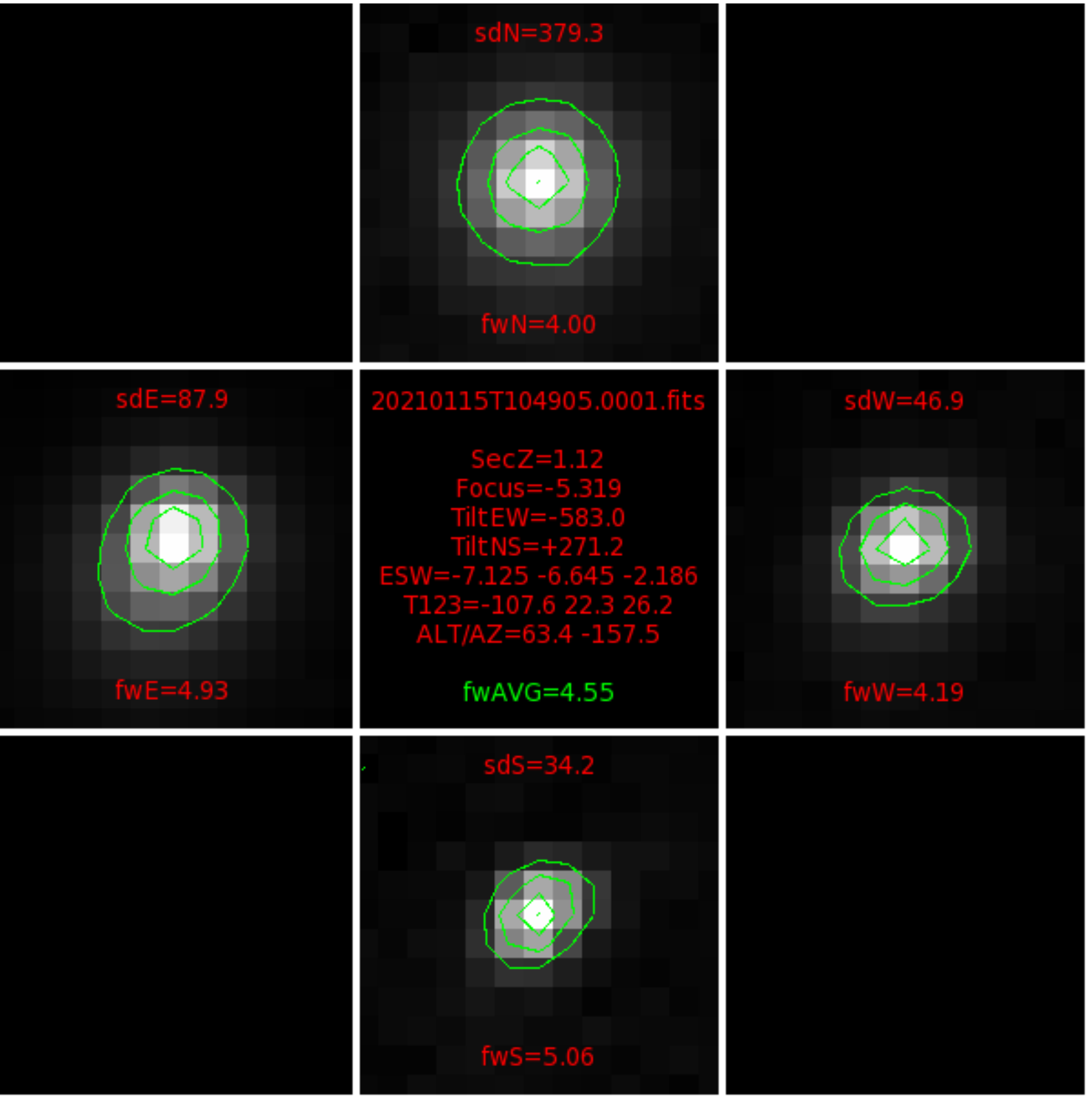
sdN=379.3
fwN=4.00
sdE=87.9
fwE=4.93
20210115T104905.0001.fits
SecZ=1.12
Focus=-5.319
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.125 -6.645 -2.186
T123=-107.6 22.3 26.2
ALT/AZ=63.4 -157.5
fwAVG=4.55
sdW=46.9
fwW=4.19
sdS=34.2
fwS=5.06
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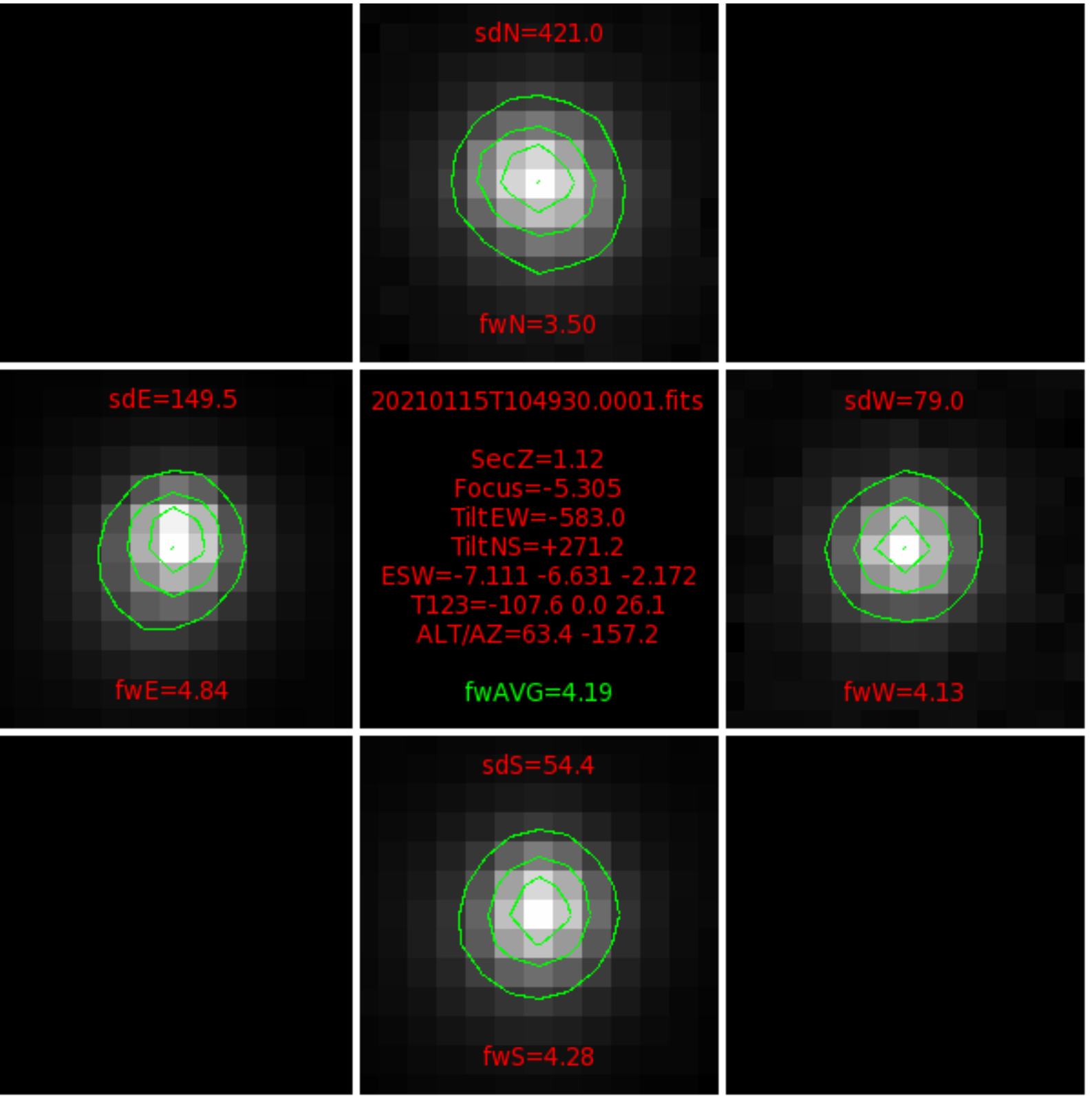
sdN=421.0
fwN=3.50
sdE=149.5
fwE=4.84
20210115T104930.0001.fits
SecZ=1.12
Focus=-5.305
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.111 -6.631 -2.172
T123=-107.6 0.0 26.1
ALT/AZ=63.4 -157.2
fwAVG=4.19
sdW=79.0
fwW=4.13
sdS=54.4
fwS=4.28
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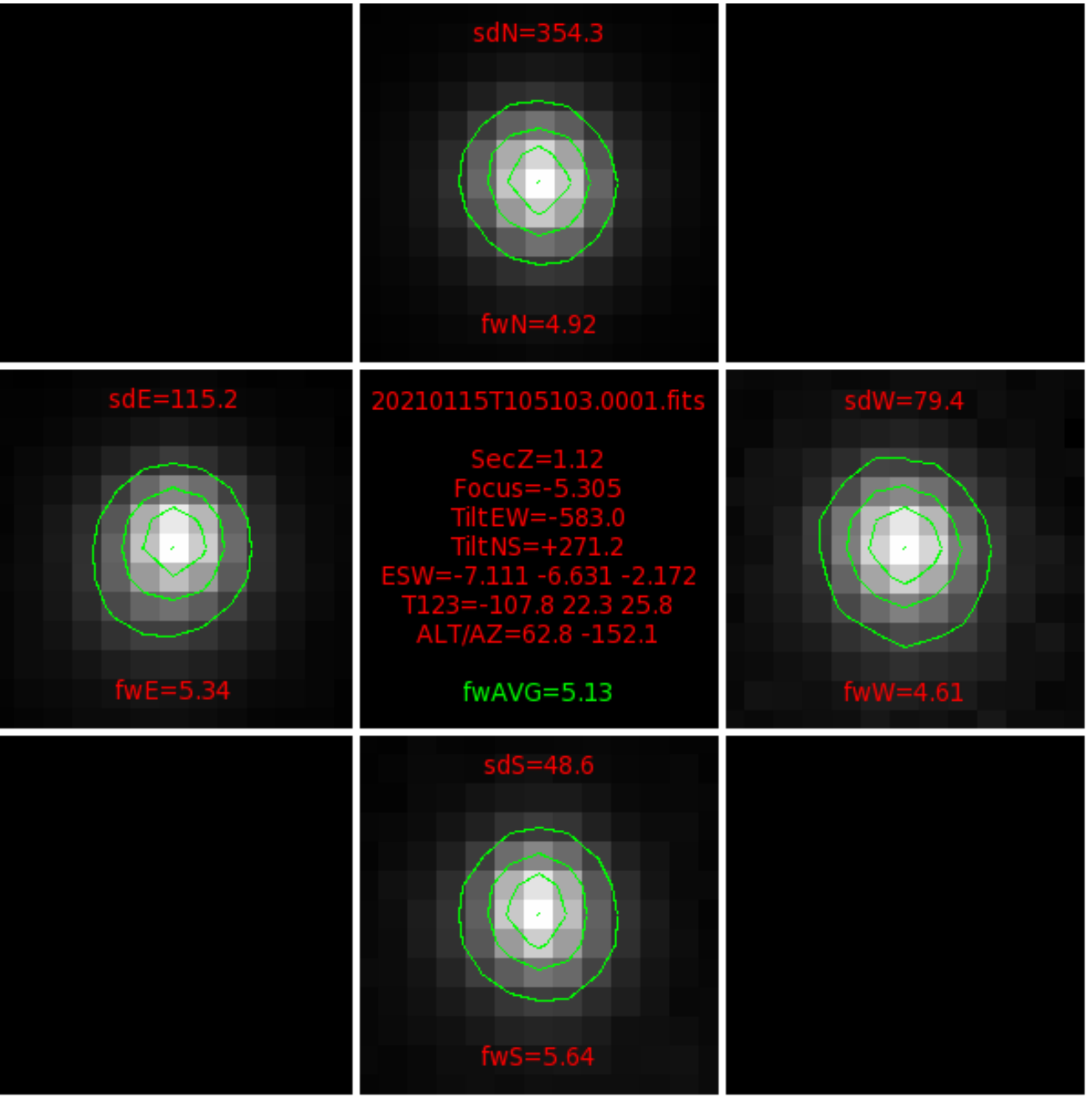
sdN=354.3
fwN=4.92
sdE=115.2
fwE=5.34
20210115T105103.0001.fits
SecZ=1.12
Focus=-5.305
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.111 -6.631 -2.172
T123=-107.8 22.3 25.8
ALT/AZ=62.8 -152.1
fwAVG=5.13
sdW=79.4
fwW=4.61
sdS=48.6
fwS=5.64
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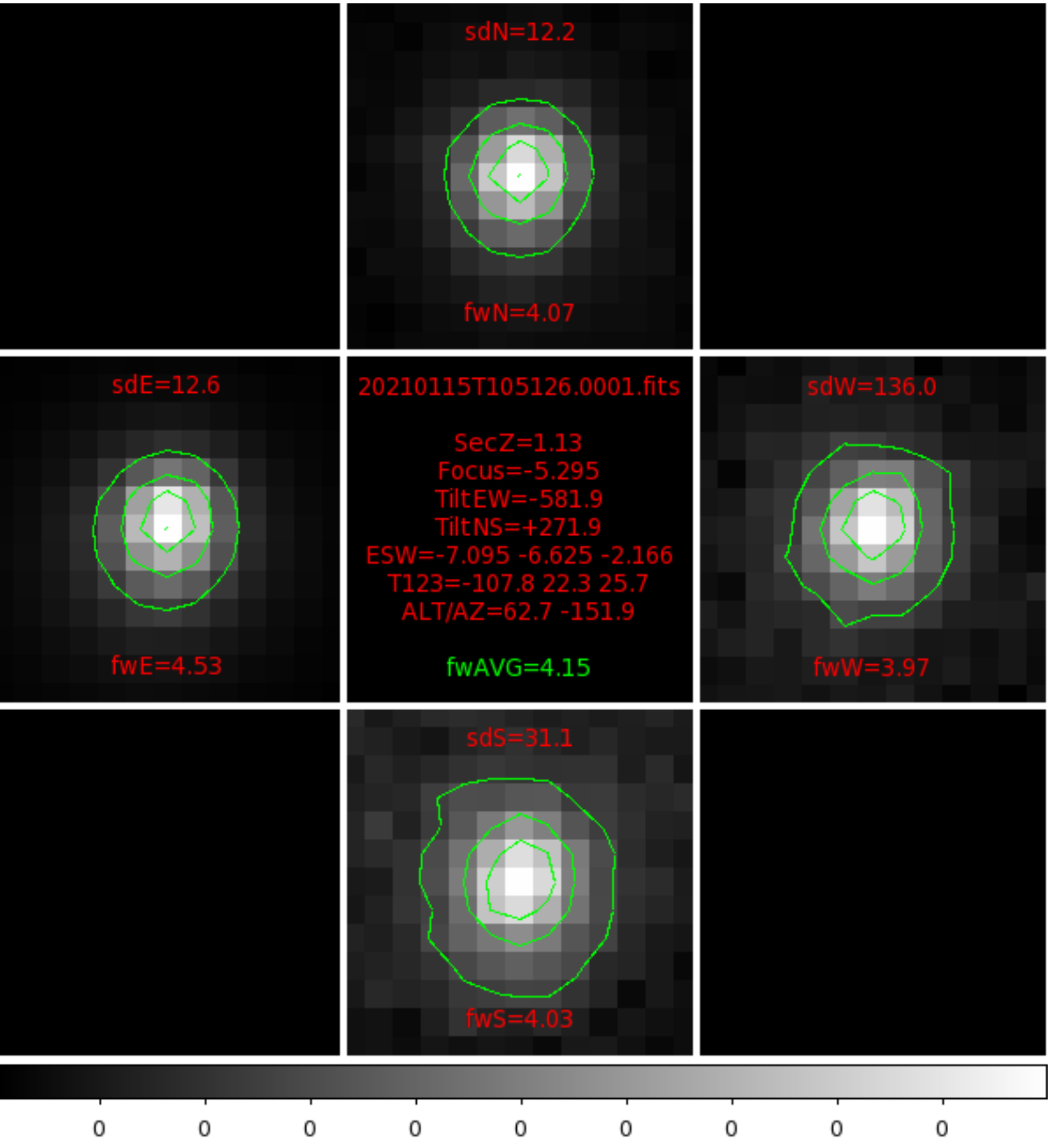
sdN=12.2
fwN=4.07
sdE=12.6
fwE=4.53
20210115T105126.0001.fits
SecZ=1.13
Focus=-5.295
TiltEW=-581.9
TiltNS=+271.9
ESW=-7.095 -6.625 -2.166
T123=-107.8 22.3 25.7
ALT/AZ=62.7 -151.9
fwAVG=4.15
sdW=136.0
fwW=3.97
sdS=31.1
fwS=4.03
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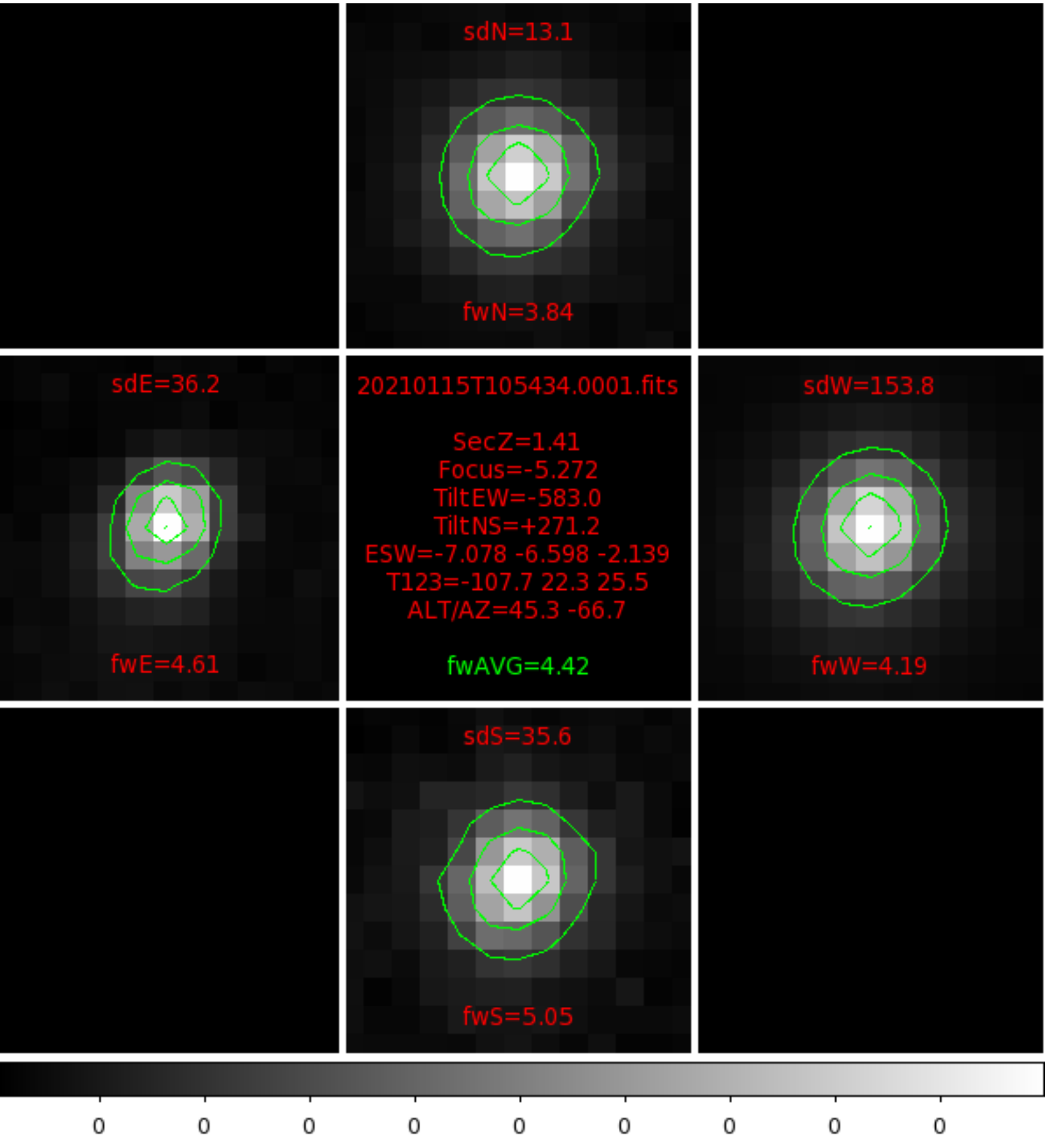
sdN=13.1
fwN=3.84
sdE=36.2
fwE=4.61
20210115T105434.0001.fits
SecZ=1.41
Focus=-5.272
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.078 -6.598 -2.139
T123=-107.7 22.3 25.5
ALT/AZ=45.3 -66.7
fwAVG=4.42
sdW=153.8
fwW=4.19
sdS=35.6
fwS=5.05
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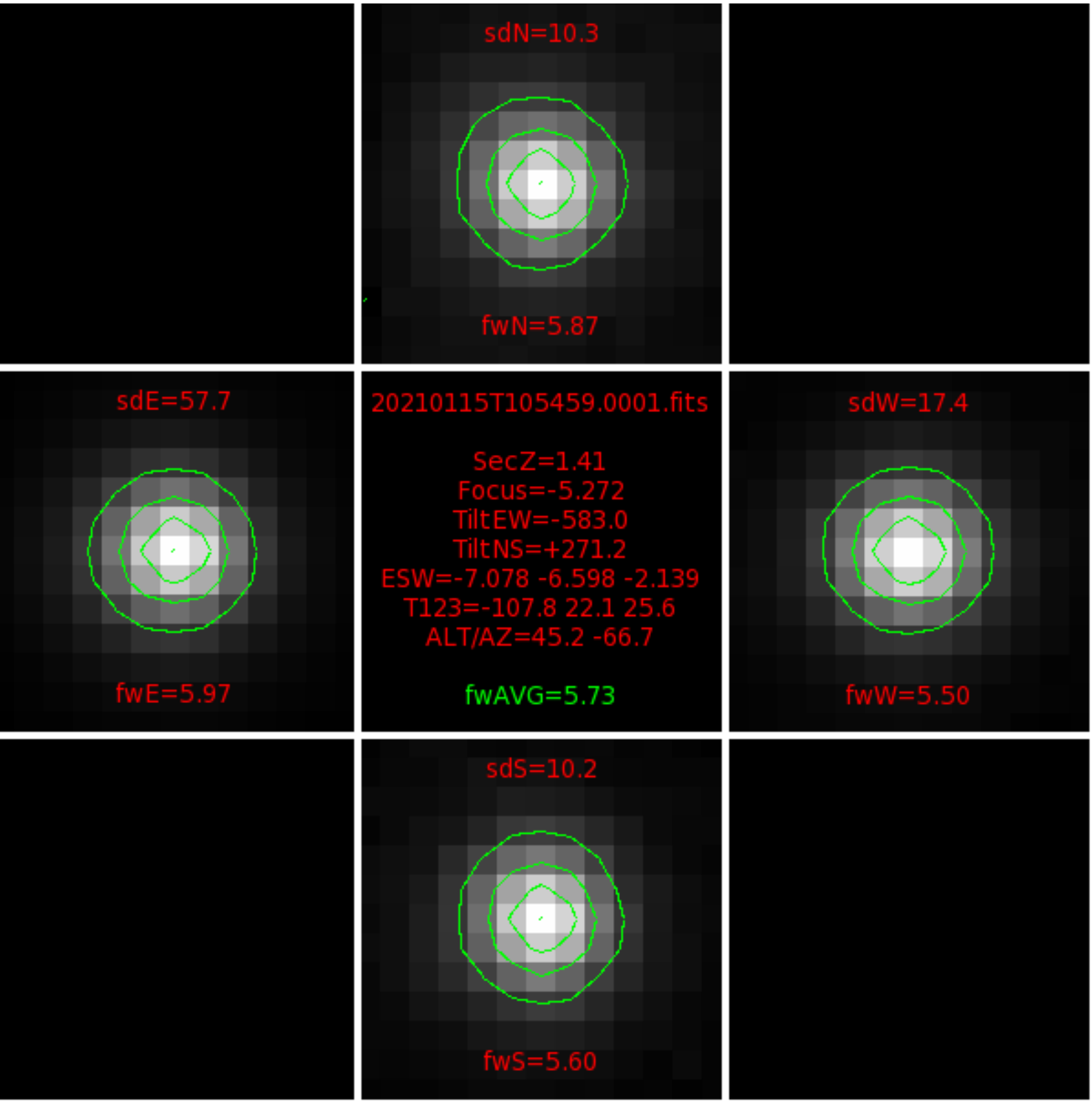
sdN=10.3
fwN=5.87
sdE=57.7
fwE=5.97
20210115T105459.0001.fits
SecZ=1.41
Focus=-5.272
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.078 -6.598 -2.139
T123=-107.8 22.1 25.6
ALT/AZ=45.2 -66.7
fwAVG=5.73
sdW=17.4
fwW=5.50
sdS=10.2
fwS=5.60
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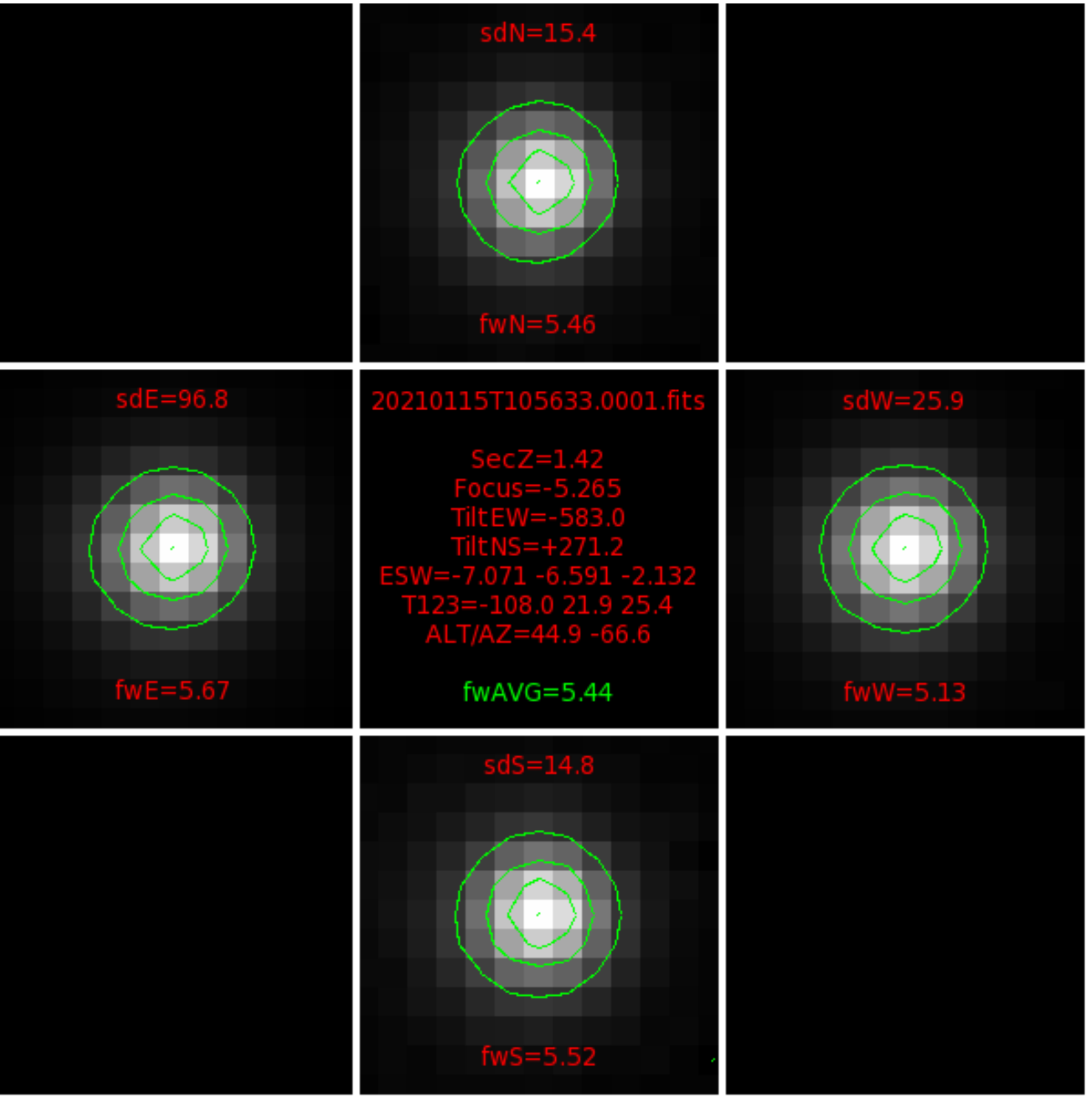
sdN=15.4
fwN=5.46
sdE=96.8
fwE=5.67
20210115T105633.0001.fits
SecZ=1.42
Focus=-5.265
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.071 -6.591 -2.132
T123=-108.0 21.9 25.4
ALT/AZ=44.9 -66.6
fwAVG=5.44
sdW=25.9
fwW=5.13
sdS=14.8
fwS=5.52
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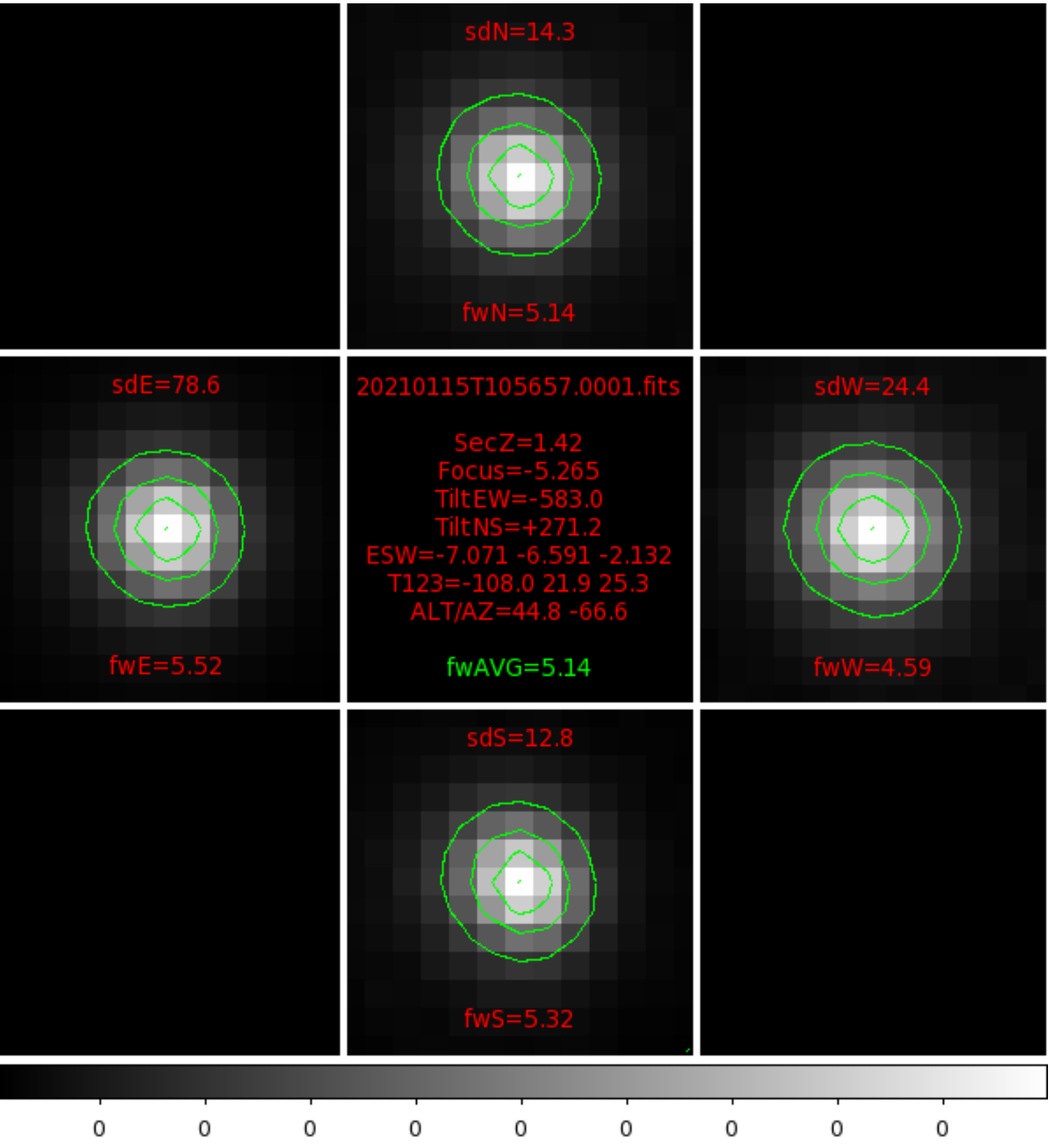
sdN=14.3
fwN=5.14
sdE=78.6
fwE=5.52
20210115T105657.0001.fits
SecZ=1.42
Focus=-5.265
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.071 -6.591 -2.132
T123=-108.0 21.9 25.3
ALT/AZ=44.8 -66.6
fwAVG=5.14
sdW=24.4
fwW=4.59
sdS=12.8
fwS=5.32
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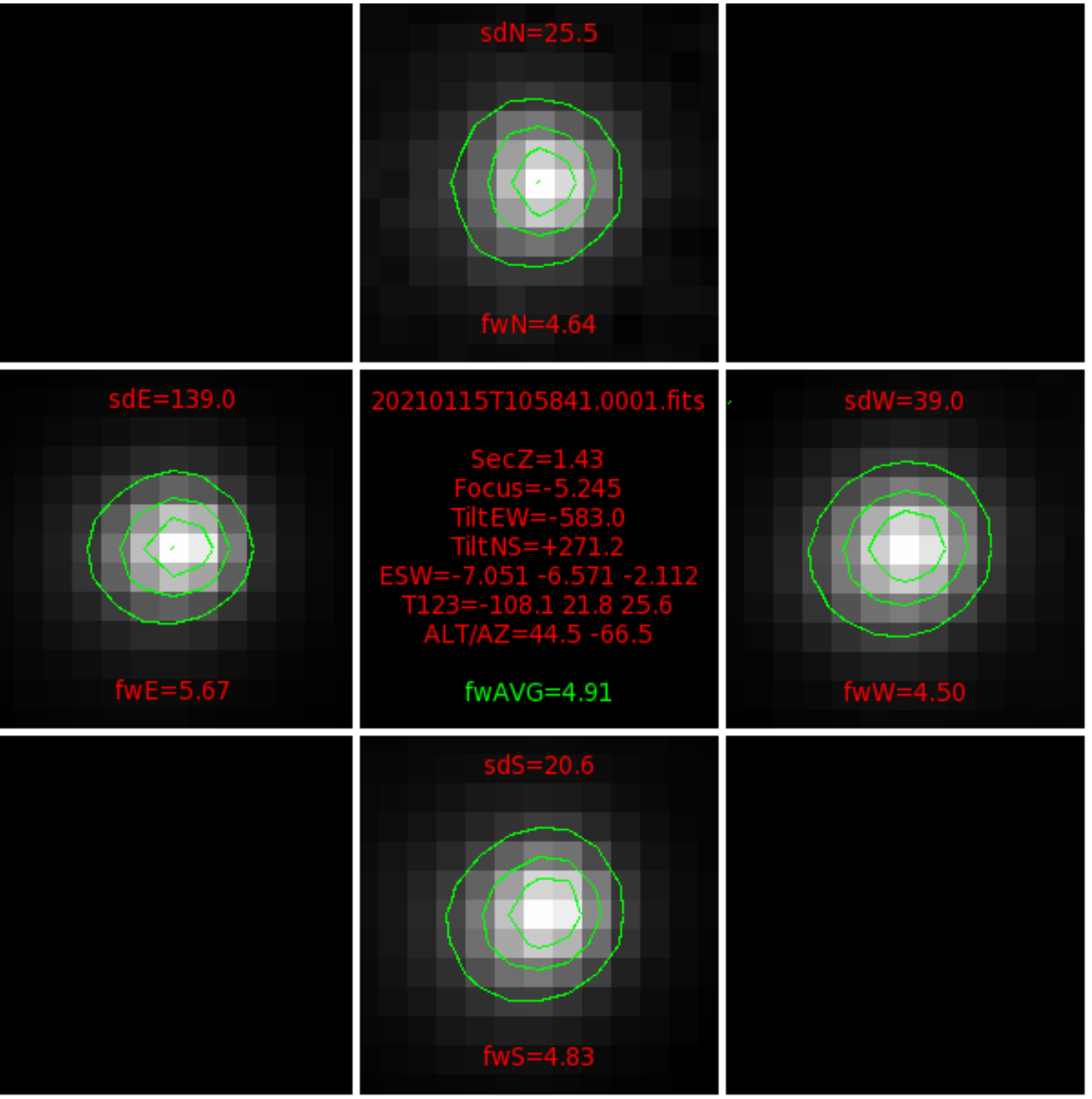
sdN=25.5
fwN=4.64
sdE=139.0
fwE=5.67
20210115T105841.0001.fits
SecZ=1.43
Focus=-5.245
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.051 -6.571 -2.112
T123=-108.1 21.8 25.6
ALT/AZ=44.5 -66.5
fwAVG=4.91
sdW=39.0
fwW=4.50
sdS=20.6
fwS=4.83
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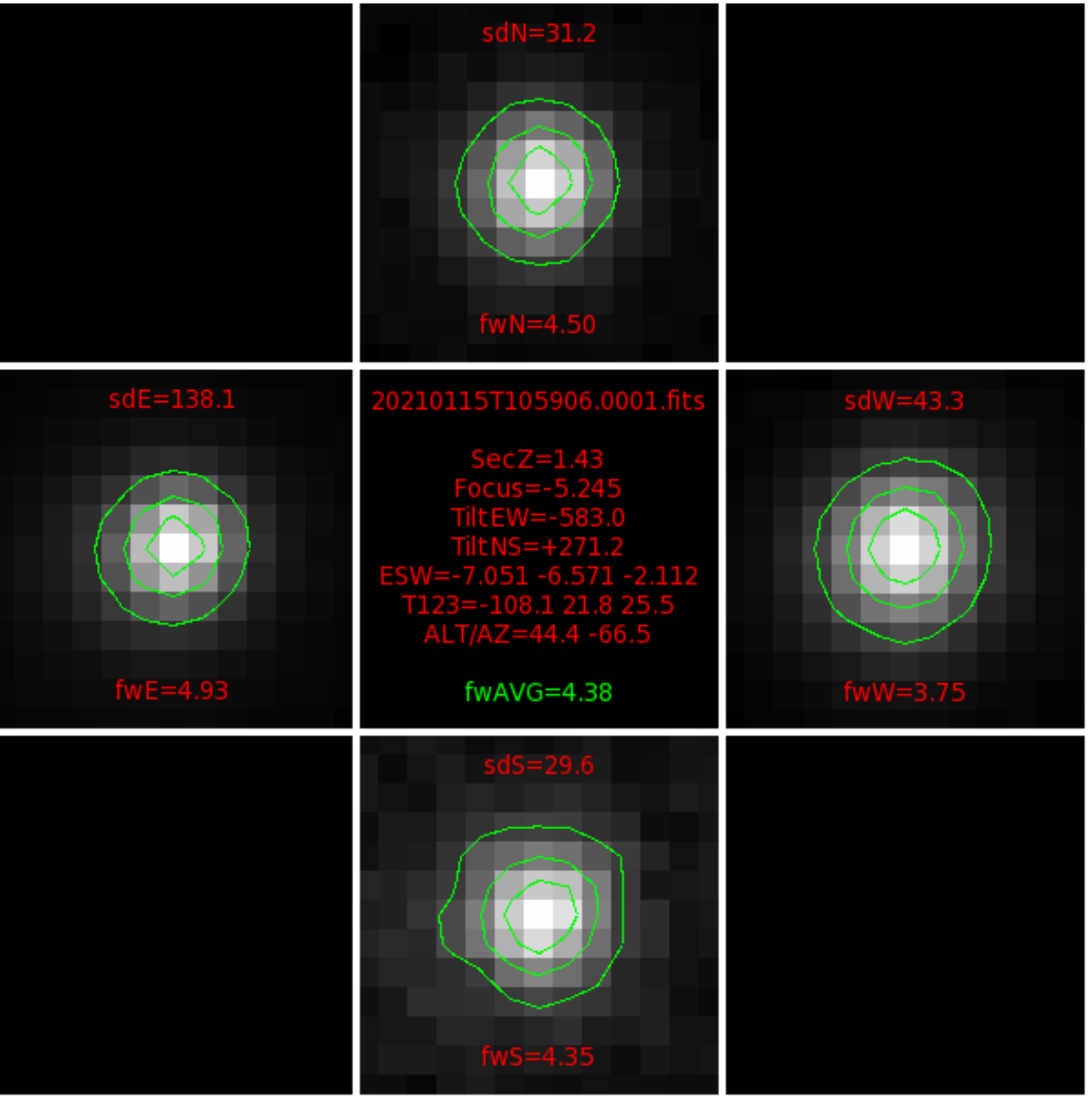
sdN=31.2
fwN=4.50
sdE=138.1
fwE=4.93
20210115T105906.0001.fits
SecZ=1.43
Focus=-5.245
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.051 -6.571 -2.112
T123=-108.1 21.8 25.5
ALT/AZ=44.4 -66.5
fwAVG=4.38
sdW=43.3
fwW=3.75
sdS=29.6
fwS=4.35
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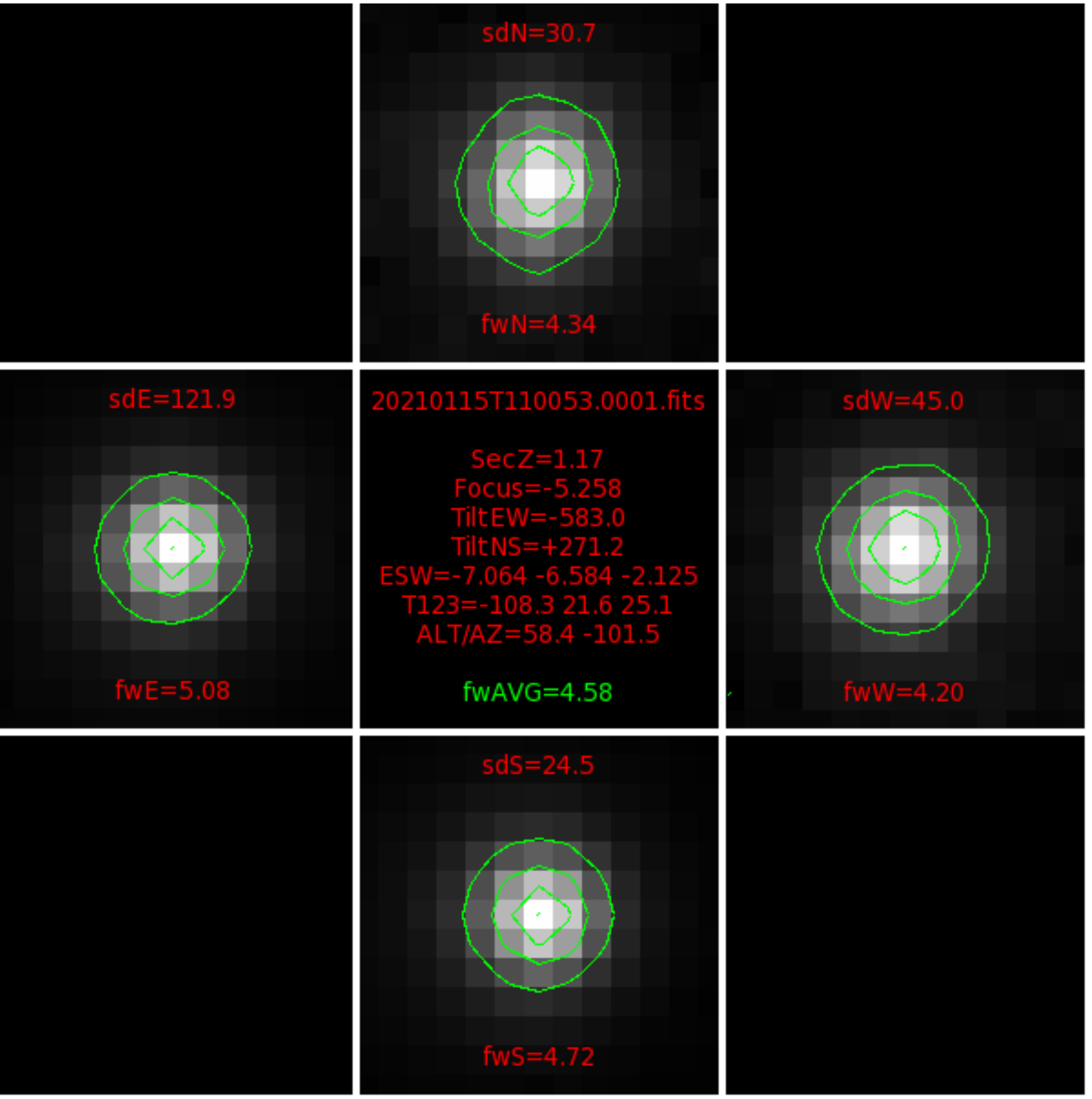
sdN=30.7
fwN=4.34
sdE=121.9
fwE=5.08
20210115T110053.0001.fits
SecZ=1.17
Focus=-5.258
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.064 -6.584 -2.125
T123=-108.3 21.6 25.1
ALT/AZ=58.4 -101.5
fwAVG=4.58
sdW=45.0
fwW=4.20
sdS=24.5
fwS=4.72
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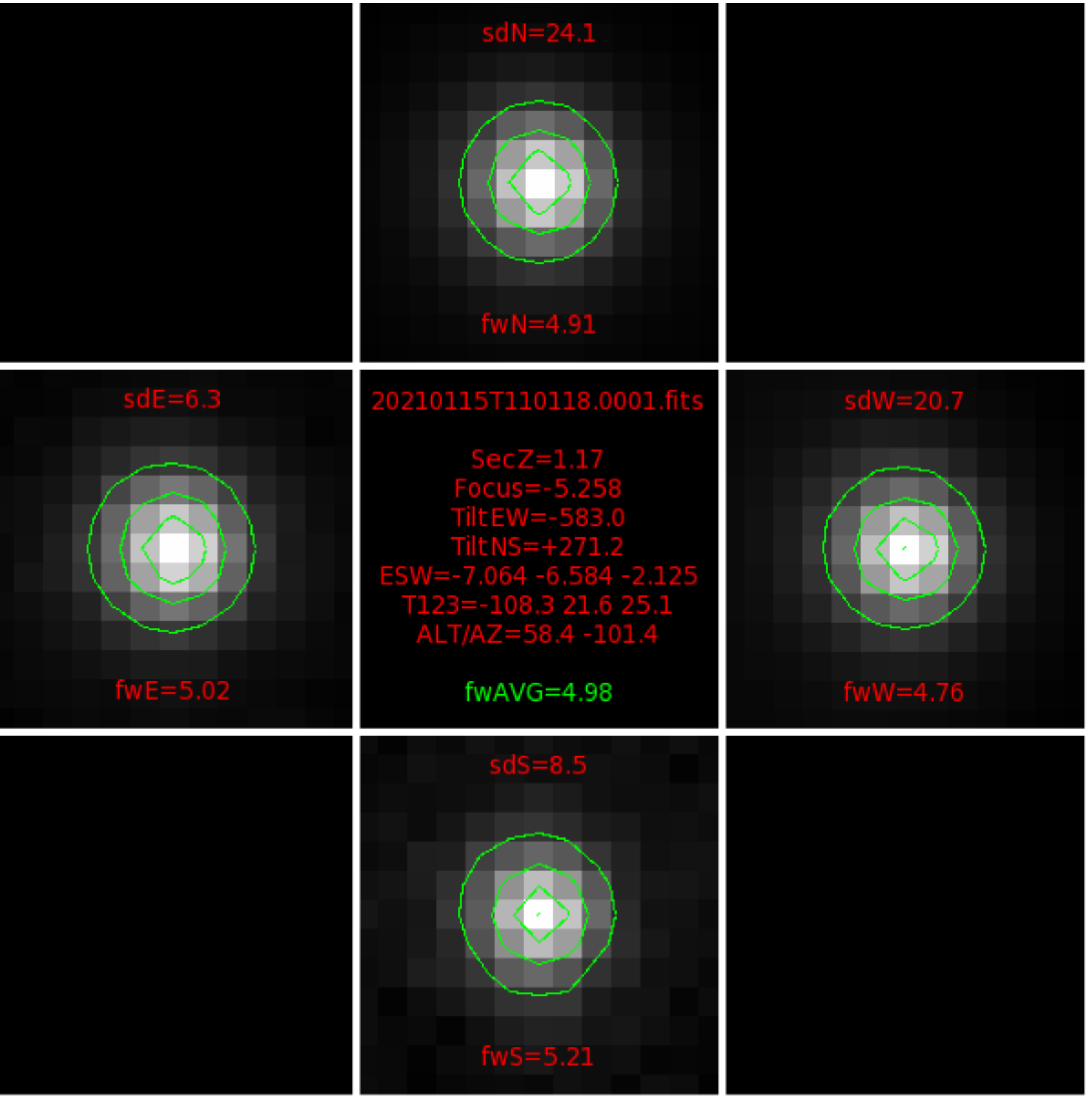
sdN=24.1
fwN=4.91
sdE=6.3
fwE=5.02
20210115T110118.0001.fits
SecZ=1.17
Focus=-5.258
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.064 -6.584 -2.125
T123=-108.3 21.6 25.1
ALT/AZ=58.4 -101.4
fwAVG=4.98
sdW=20.7
fwW=4.76
sdS=8.5
fwS=5.21
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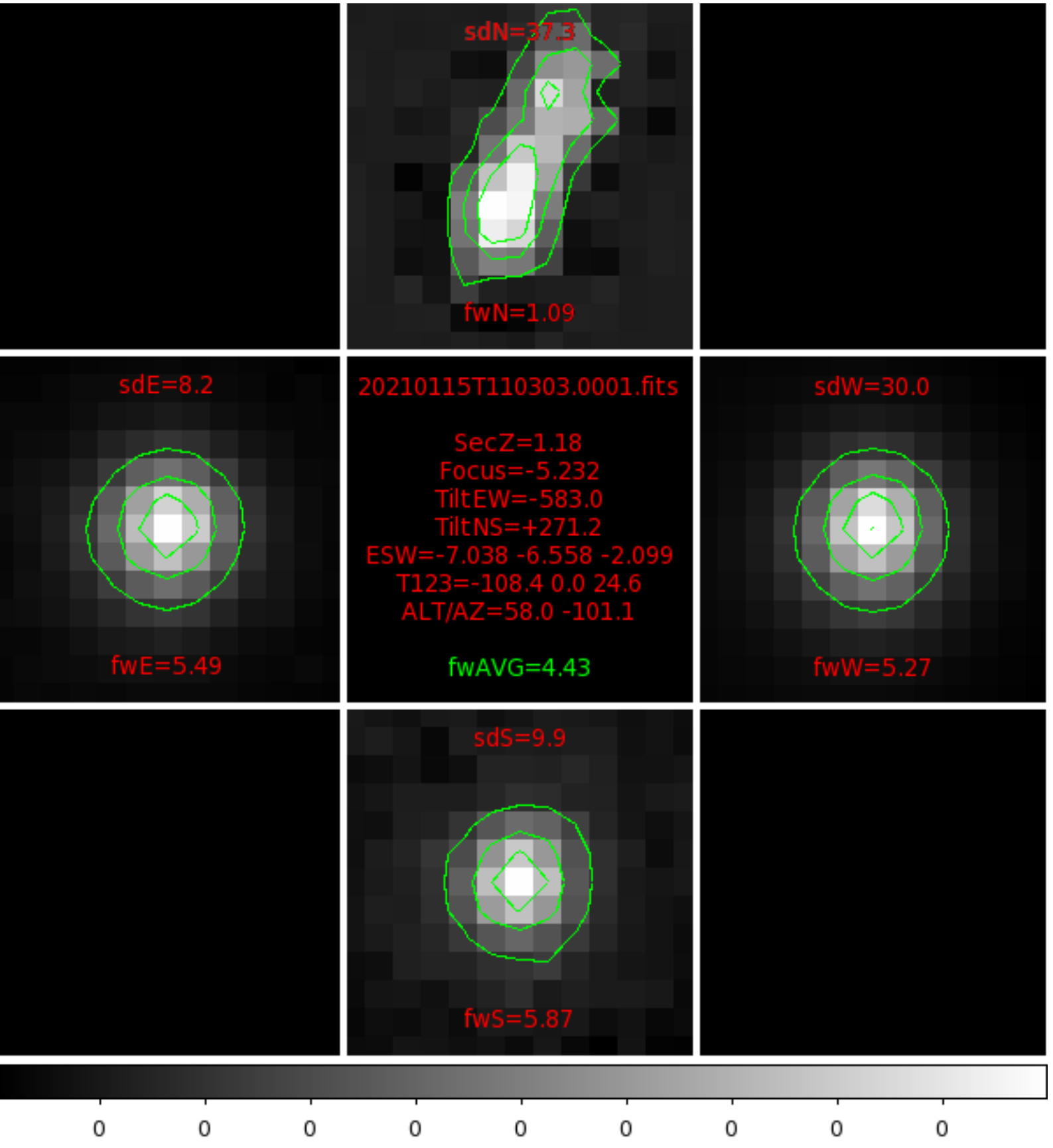
sdN=37.3
fwN=1.09
sdE=8.2
fwE=5.49
20210115T110303.0001.fits
SecZ=1.18
Focus=-5.232
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.038 -6.558 -2.099
T123=-108.4 0.0 24.6
ALT/AZ=58.0 -101.1
fwAVG=4.43
sdW=30.0
fwW=5.27
sdS=9.9
fwS=5.87
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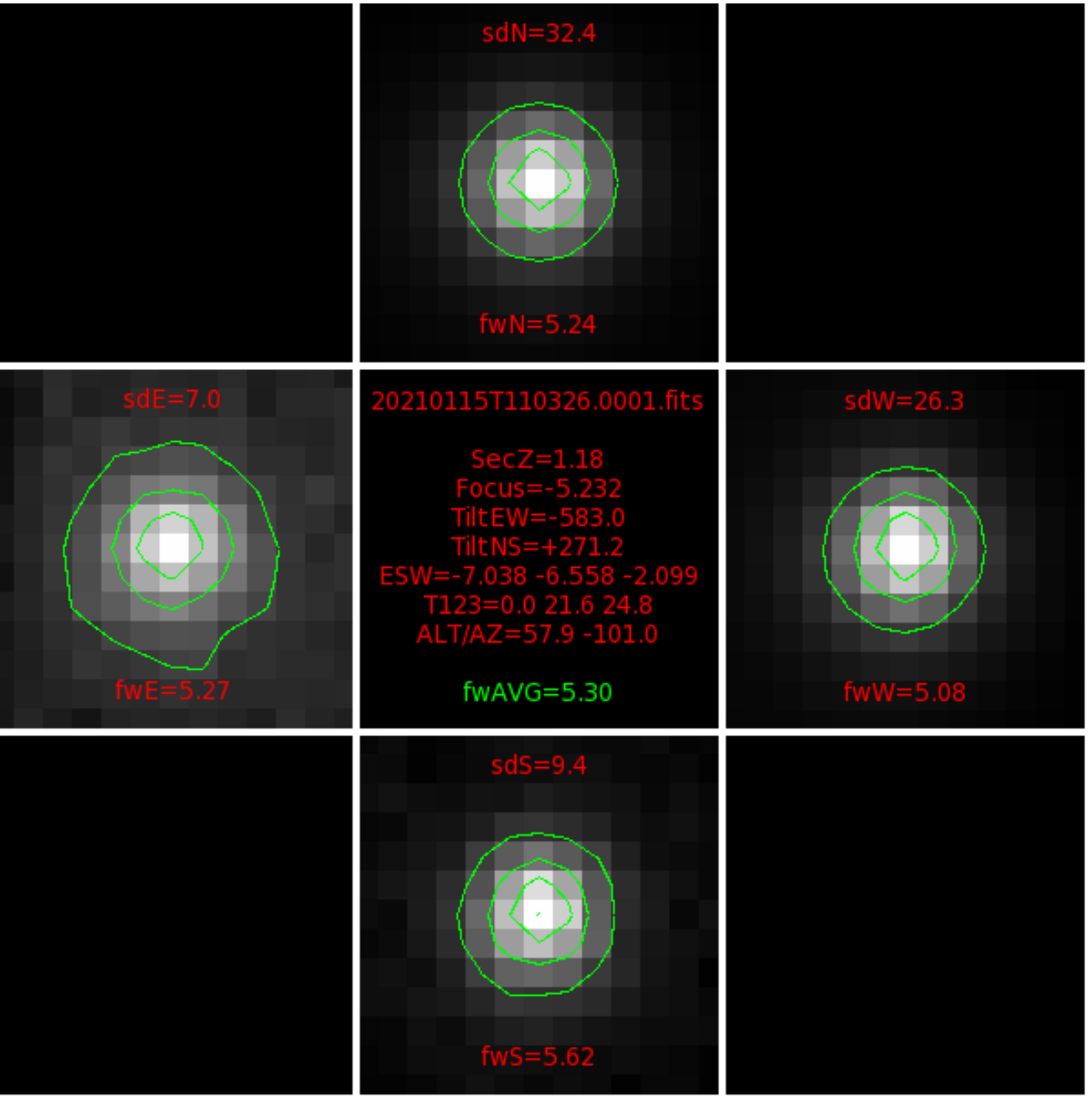
sdN=32.4
fwN=5.24
sdE=7.0
fwE=5.27
20210115T110326.0001.fits
SecZ=1.18
Focus=-5.232
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.038 -6.558 -2.099
T123=0.0 21.6 24.8
ALT/AZ=57.9 -101.0
fwAVG=5.30
sdW=26.3
fwW=5.08
sdS=9.4
fwS=5.62
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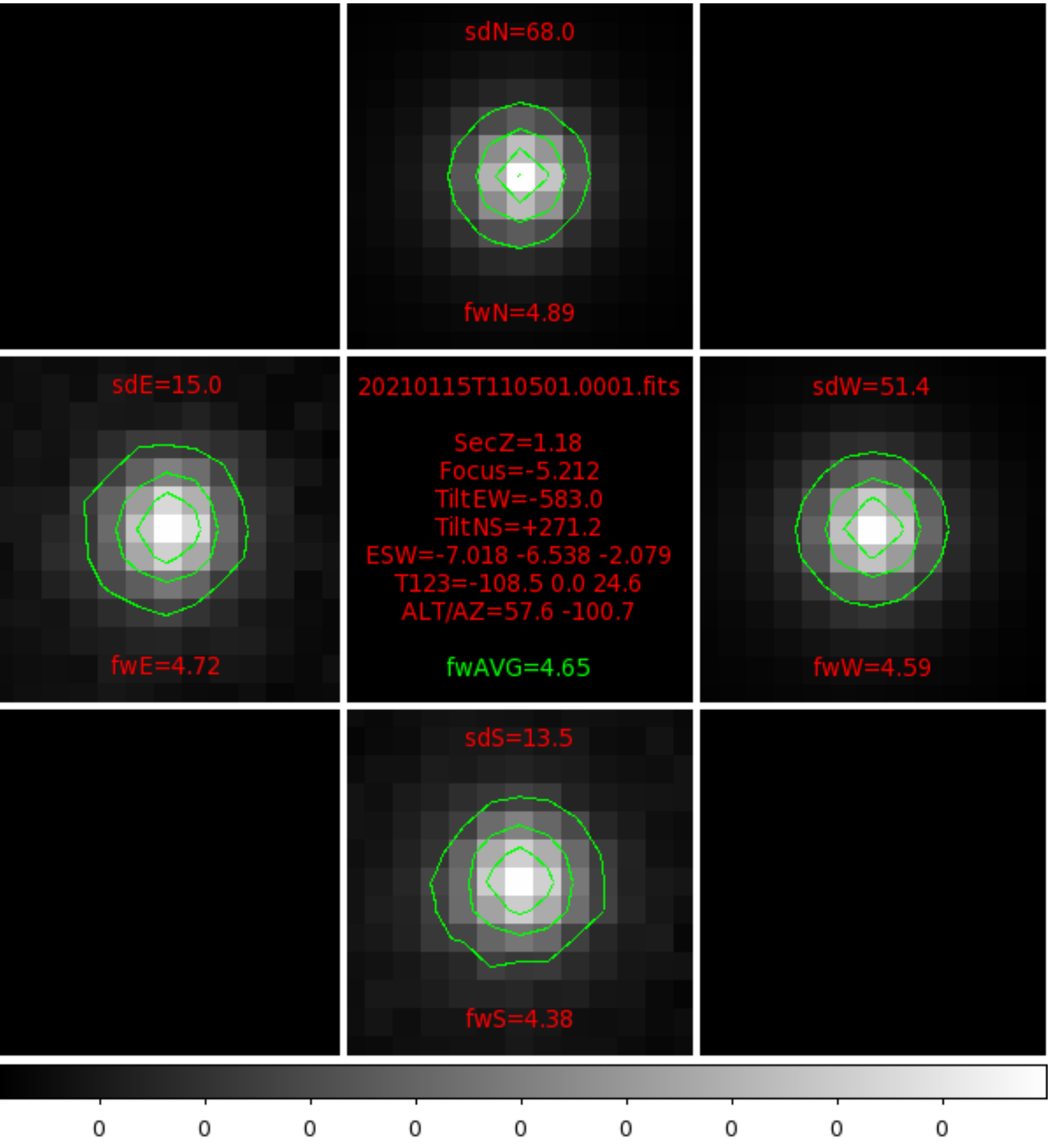
sdN=68.0
fwN=4.89
sdE=15.0
fwE=4.72
20210115T110501.0001.fits
SecZ=1.18
Focus=-5.212
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.018 -6.538 -2.079
T123=-108.5 0.0 24.6
ALT/AZ=57.6 -100.7
fwAVG=4.65
sdW=51.4
fwW=4.59
sdS=13.5
fwS=4.38
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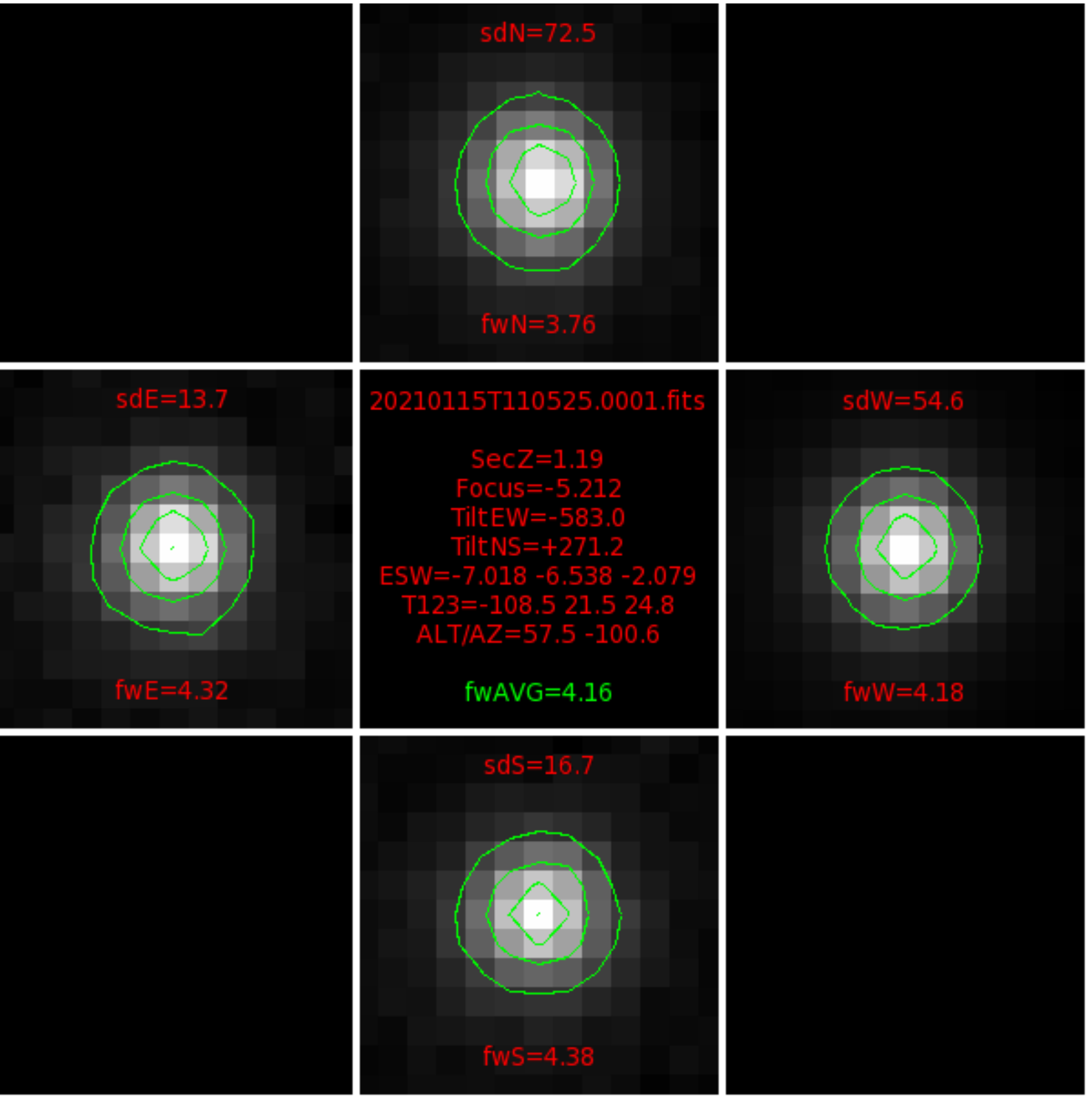
sdN=72.5
fwN=3.76
sdE=13.7
fwE=4.32
20210115T110525.0001.fits
SecZ=1.19
Focus=-5.212
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.018 -6.538 -2.079
T123=-108.5 21.5 24.8
ALT/AZ=57.5 -100.6
fwAVG=4.16
sdW=54.6
fwW=4.18
sdS=16.7
fwS=4.38
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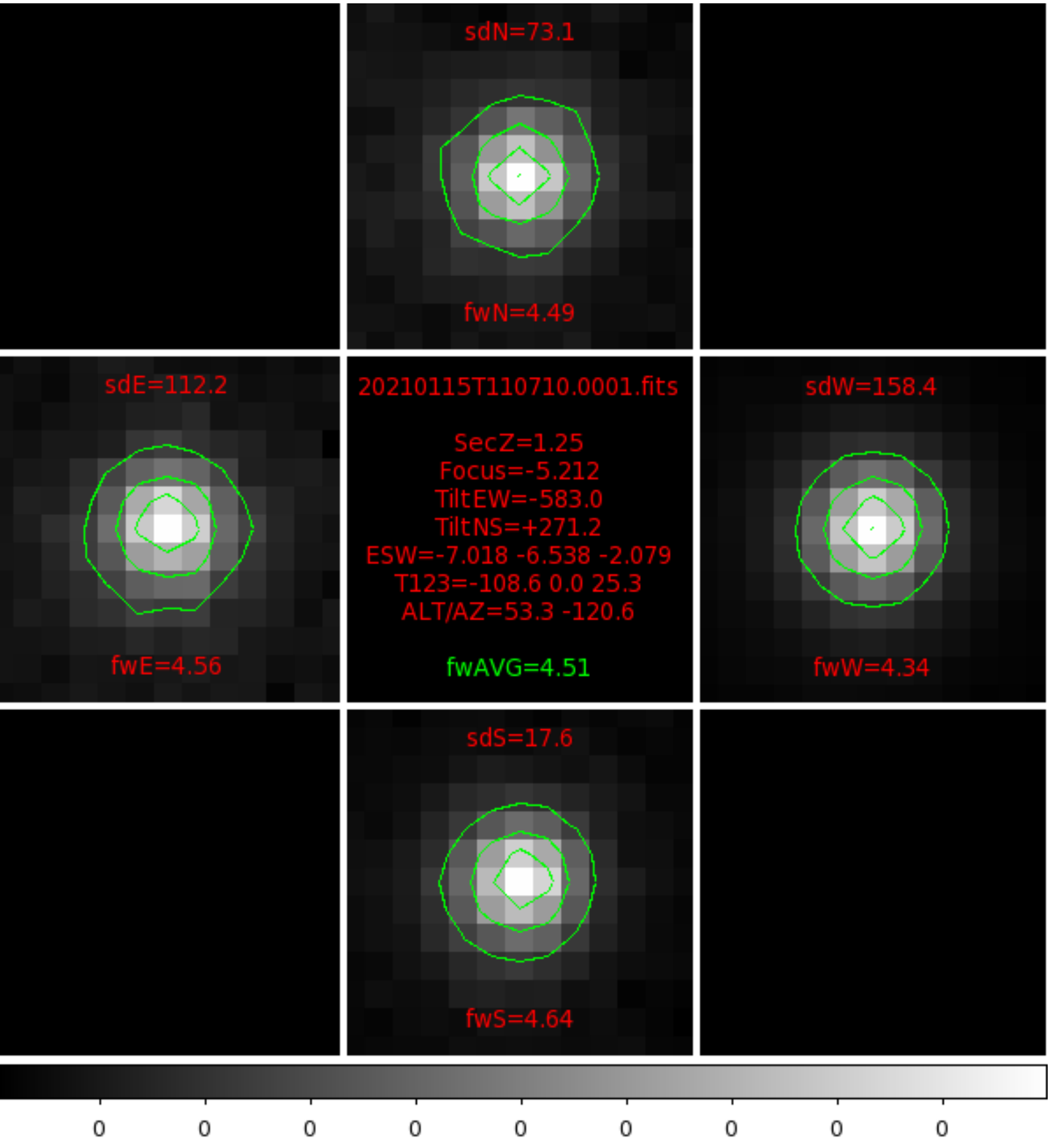
sdN=73.1
fwN=4.49
sdE=112.2
fwE=4.56
20210115T110710.0001.fits
SecZ=1.25
Focus=-5.212
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.018 -6.538 -2.079
T123=-108.6 0.0 25.3
ALT/AZ=53.3 -120.6
fwAVG=4.51
sdW=158.4
fwW=4.34
sdS=17.6
fwS=4.64
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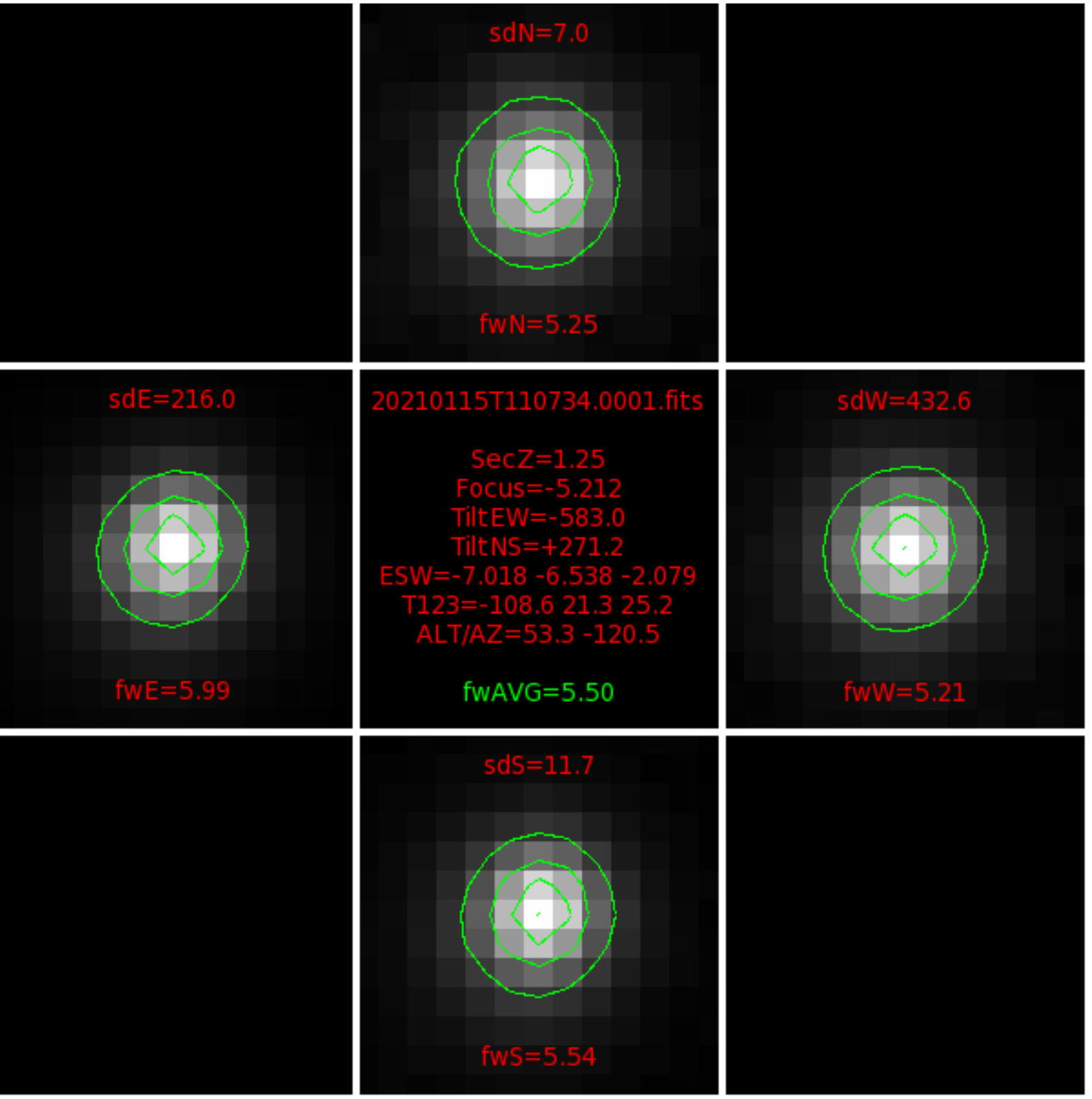
sdN=7.0
fwN=5.25
sdE=216.0
fwE=5.99
20210115T110734.0001.fits
SecZ=1.25
Focus=-5.212
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.018 -6.538 -2.079
T123=-108.6 21.3 25.2
ALT/AZ=53.3 -120.5
fwAVG=5.50
sdW=432.6
fwW=5.21
sdS=11.7
fwS=5.54
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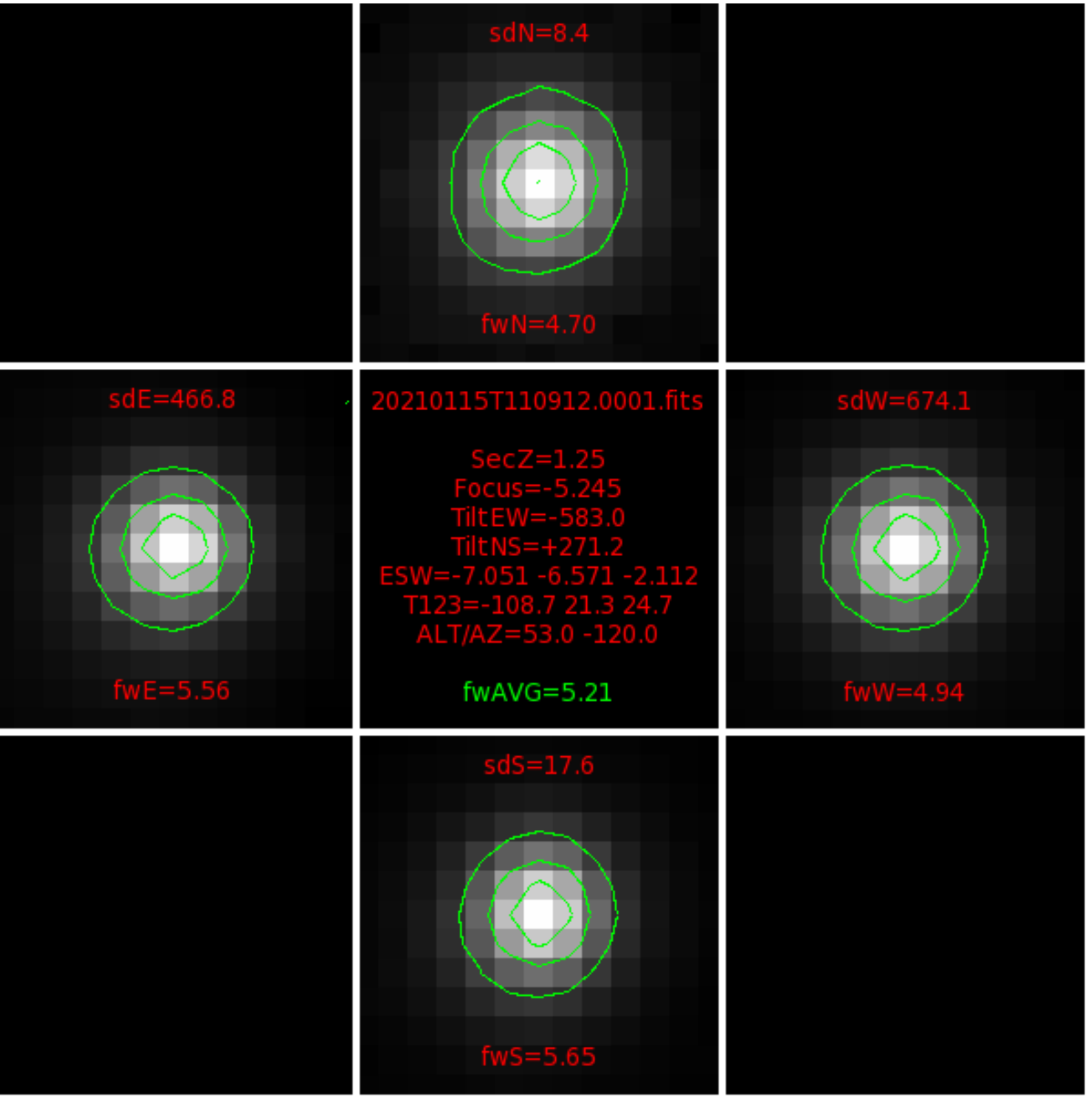
sdN=8.4
fwN=4.70
sdE=466.8
fwE=5.56
20210115T110912.0001.fits
SecZ=1.25
Focus=-5.245
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.051 -6.571 -2.112
T123=-108.7 21.3 24.7
ALT/AZ=53.0 -120.0
fwAVG=5.21
sdW=674.1
fwW=4.94
sdS=17.6
fwS=5.65
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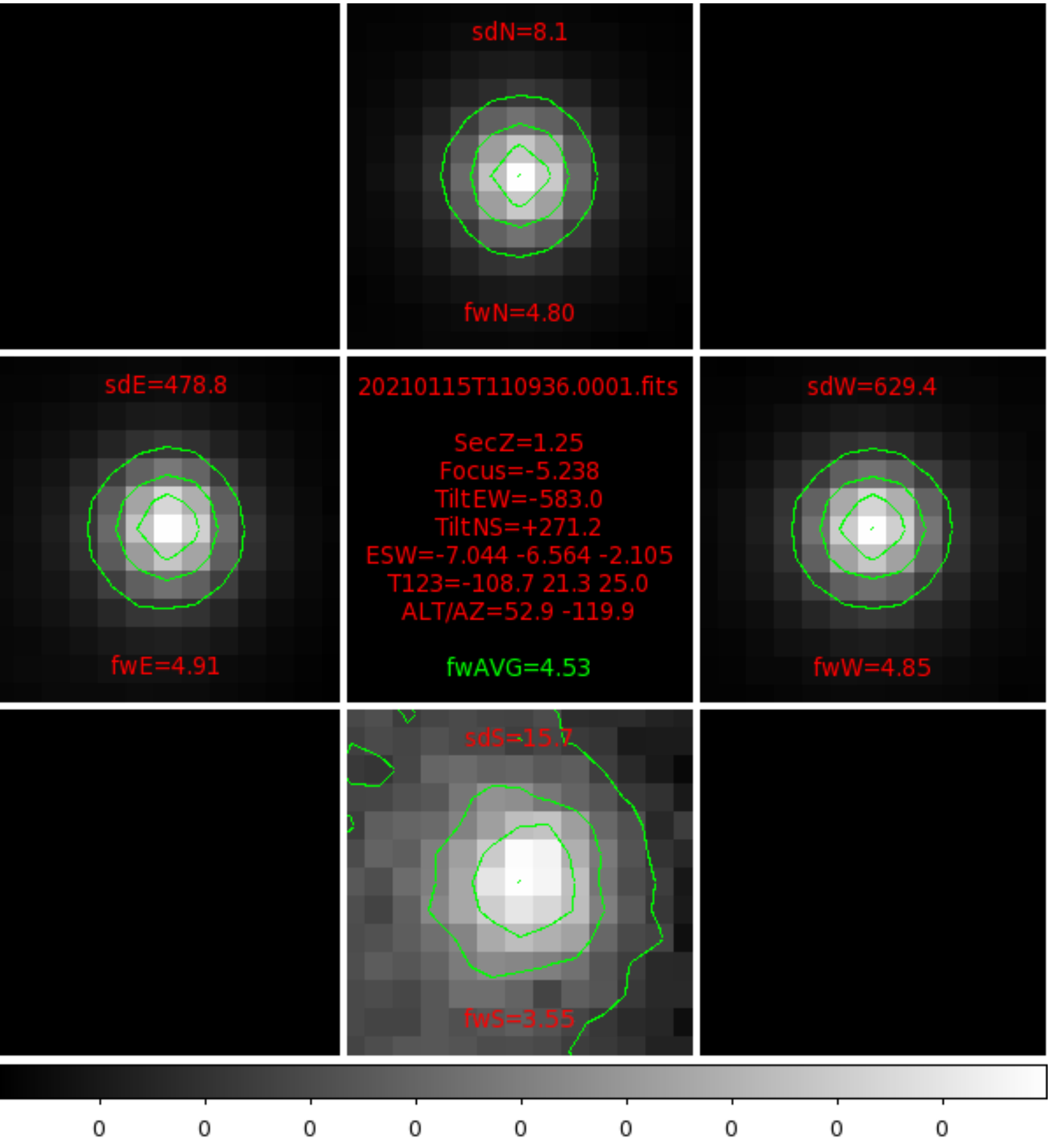
sdN=8.1
fwN=4.80
sdE=478.8
fwE=4.91
20210115T110936.0001.fits
SecZ=1.25
Focus=-5.238
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.044 -6.564 -2.105
T123=-108.7 21.3 25.0
ALT/AZ=52.9 -119.9
fwAVG=4.53
sdW=629.4
fwW=4.85
sdS=15.7
fwS=3.55
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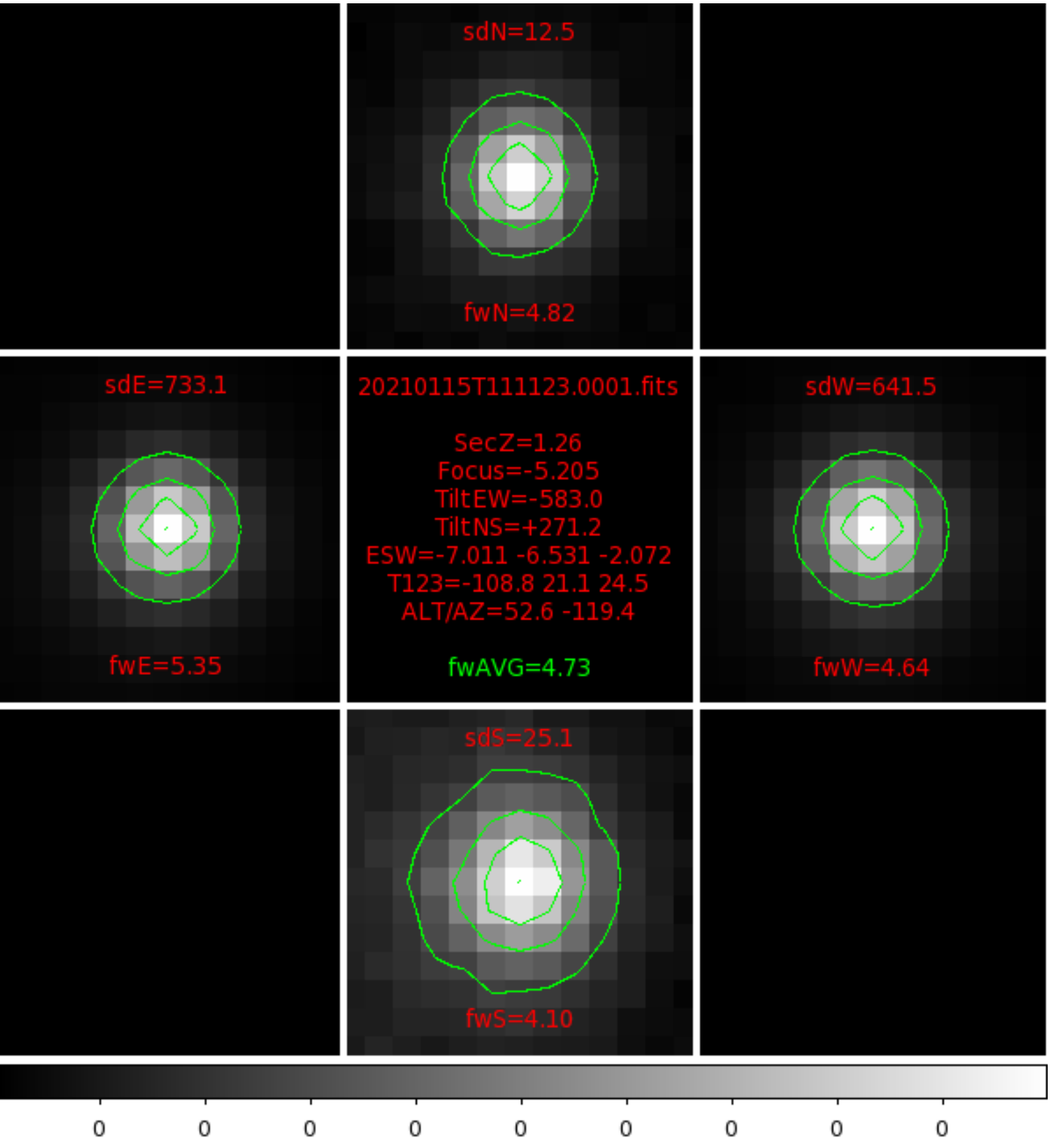
sdN=12.5
fwN=4.82
sdE=733.1
fwE=5.35
20210115T111123.0001.fits
SecZ=1.26
Focus=-5.205
TiltEW=-583.0
TiltNS=+271.2
ESW=-7.011 -6.531 -2.072
T123=-108.8 21.1 24.5
ALT/AZ=52.6 -119.4
fwAVG=4.73
sdW=641.5
fwW=4.64
sdS=25.1
fwS=4.10
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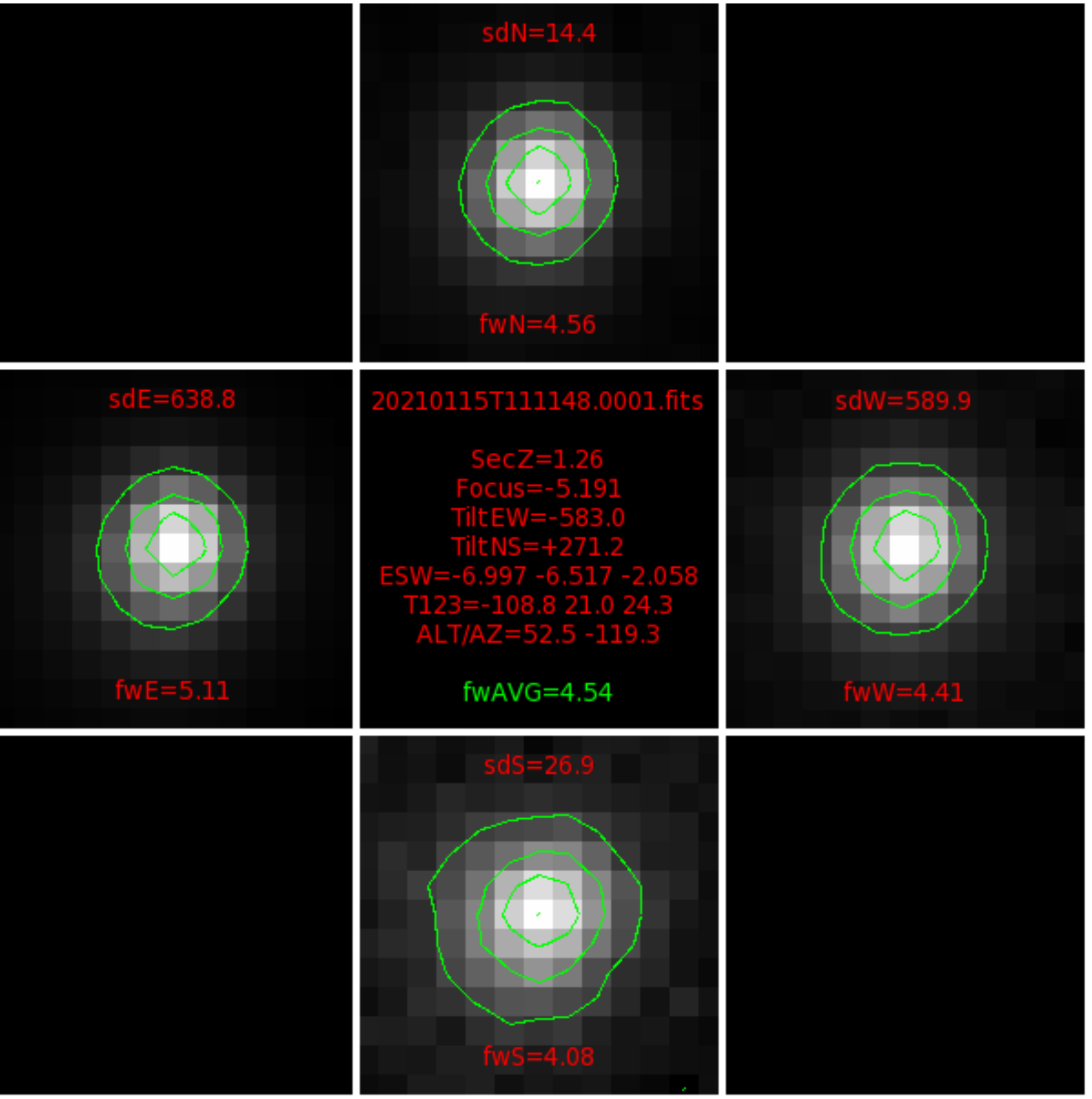
sdN=14.4
fwN=4.56
sdE=638.8
fwE=5.11
20210115T111148.0001.fits
SecZ=1.26
Focus=-5.191
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.997 -6.517 -2.058
T123=-108.8 21.0 24.3
ALT/AZ=52.5 -119.3
fwAVG=4.54
sdW=589.9
fwW=4.41
sdS=26.9
fwS=4.08
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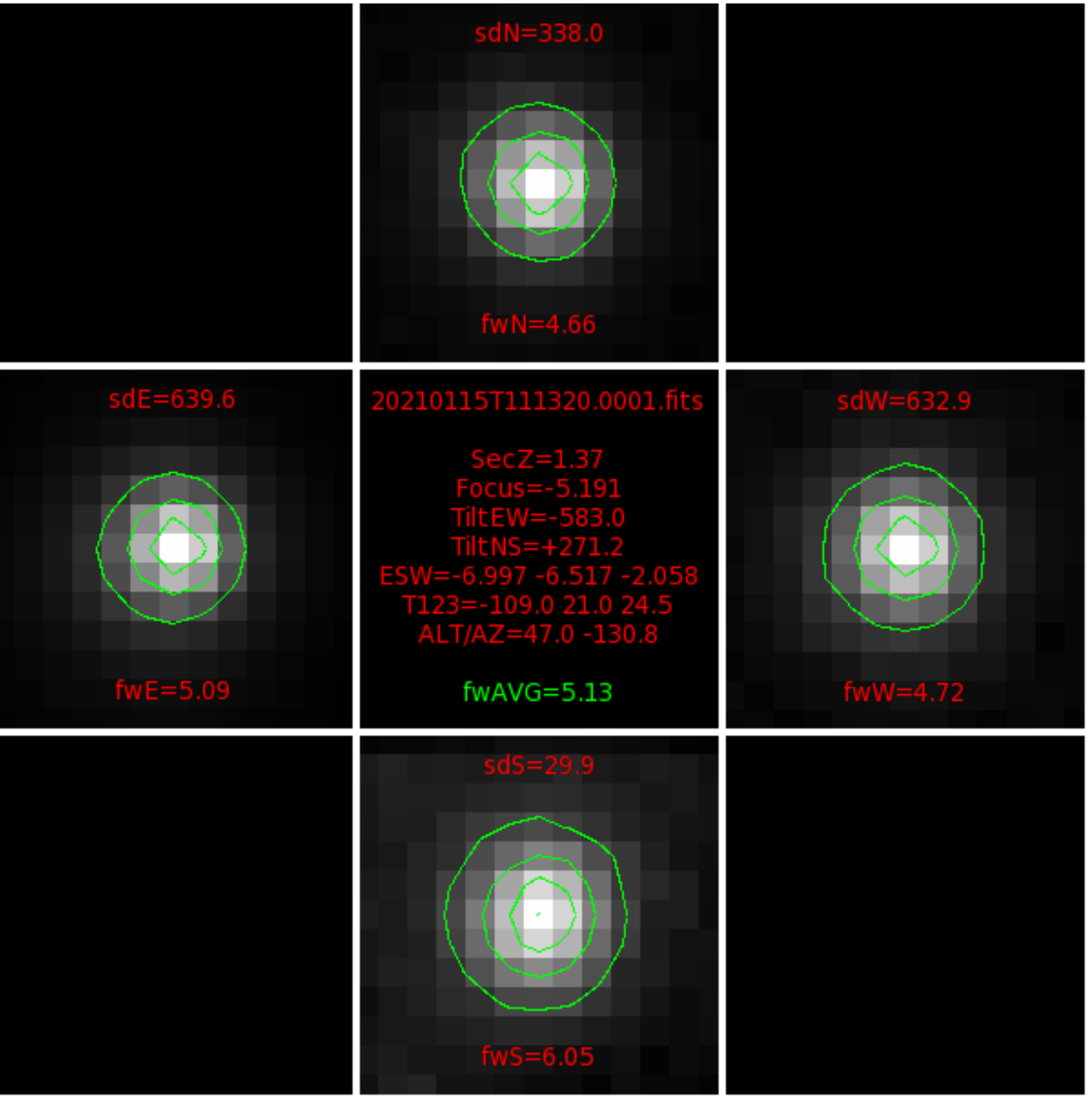
sdN=338.0
fwN=4.66
sdE=639.6
fwE=5.09
20210115T111320.0001.fits
SecZ=1.37
Focus=-5.191
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.997 -6.517 -2.058
T123=-109.0 21.0 24.5
ALT/AZ=47.0 -130.8
fwAVG=5.13
sdW=632.9
fwW=4.72
sdS=29.9
fwS=6.05
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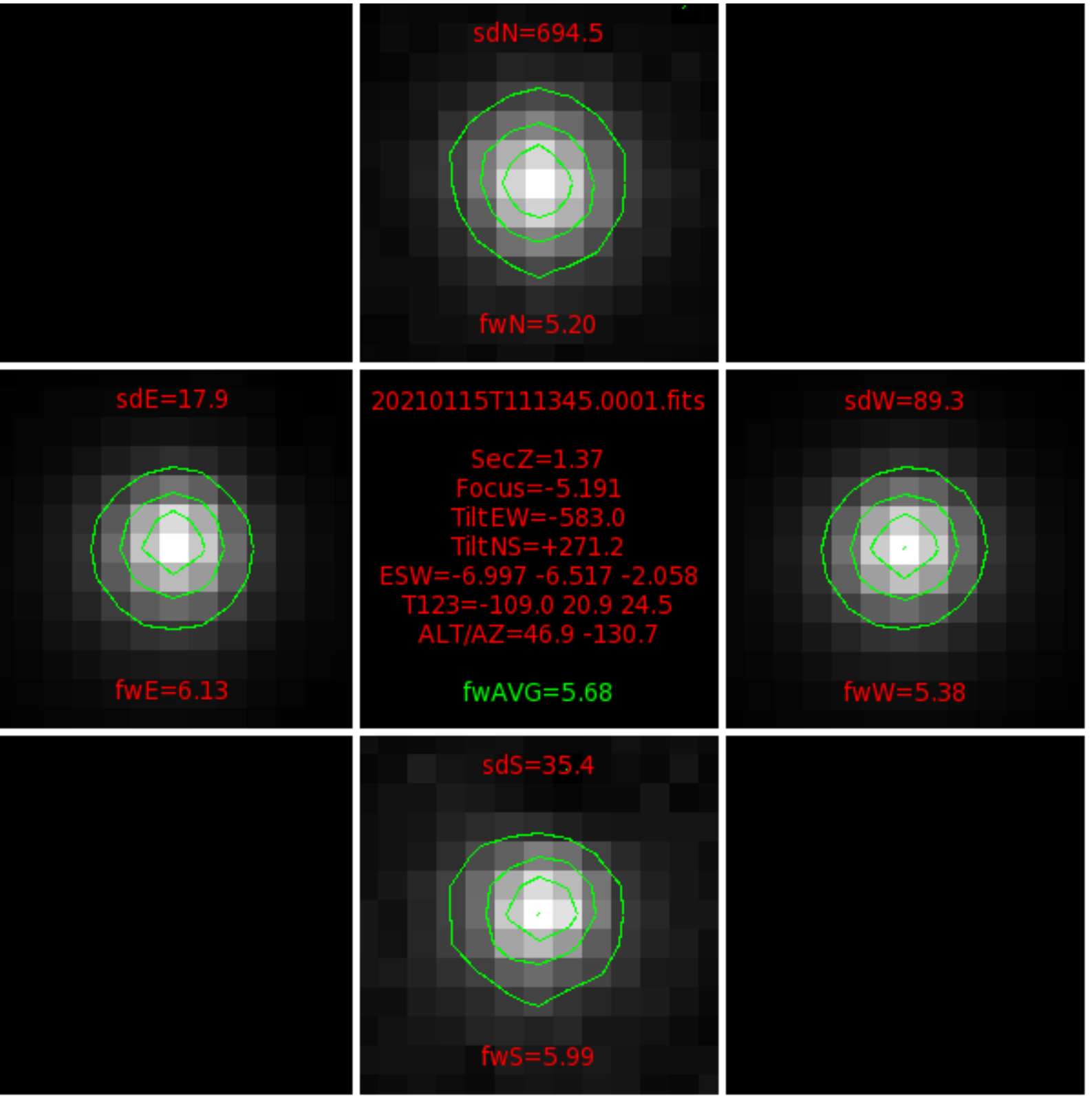
sdN=694.5
fwN=5.20
sdE=17.9
fwE=6.13
20210115T111345.0001.fits
SecZ=1.37
Focus=-5.191
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.997 -6.517 -2.058
T123=-109.0 20.9 24.5
ALT/AZ=46.9 -130.7
fwAVG=5.68
sdW=89.3
fwW=5.38
sdS=35.4
fwS=5.99
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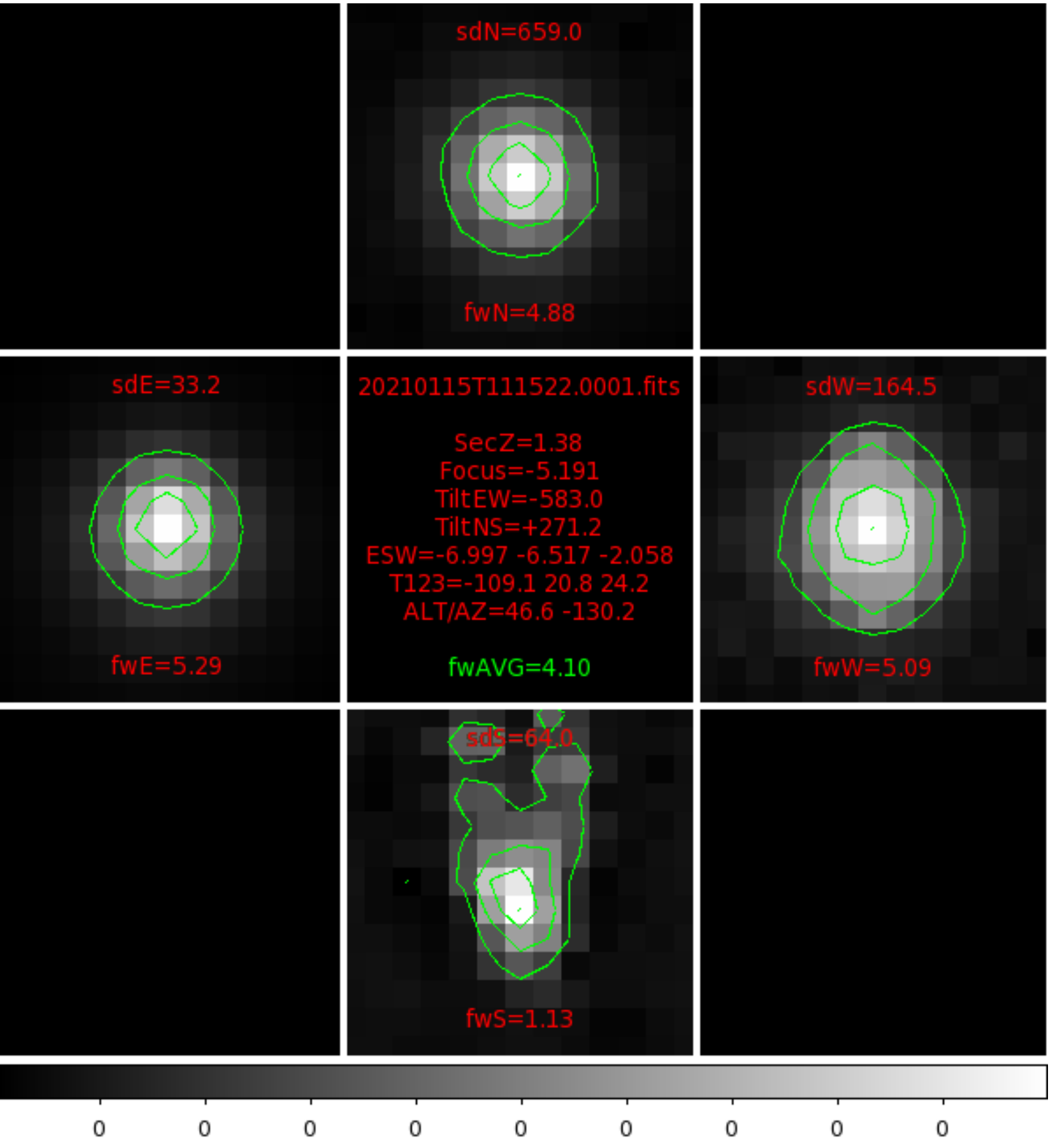
sdN=659.0
fwN=4.88
sdE=33.2
fwE=5.29
20210115T111522.0001.fits
SecZ=1.38
Focus=-5.191
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.997 -6.517 -2.058
T123=-109.1 20.8 24.2
ALT/AZ=46.6 -130.2
fwAVG=4.10
sdW=164.5
fwW=5.09
sdS=64.0
fwS=1.13
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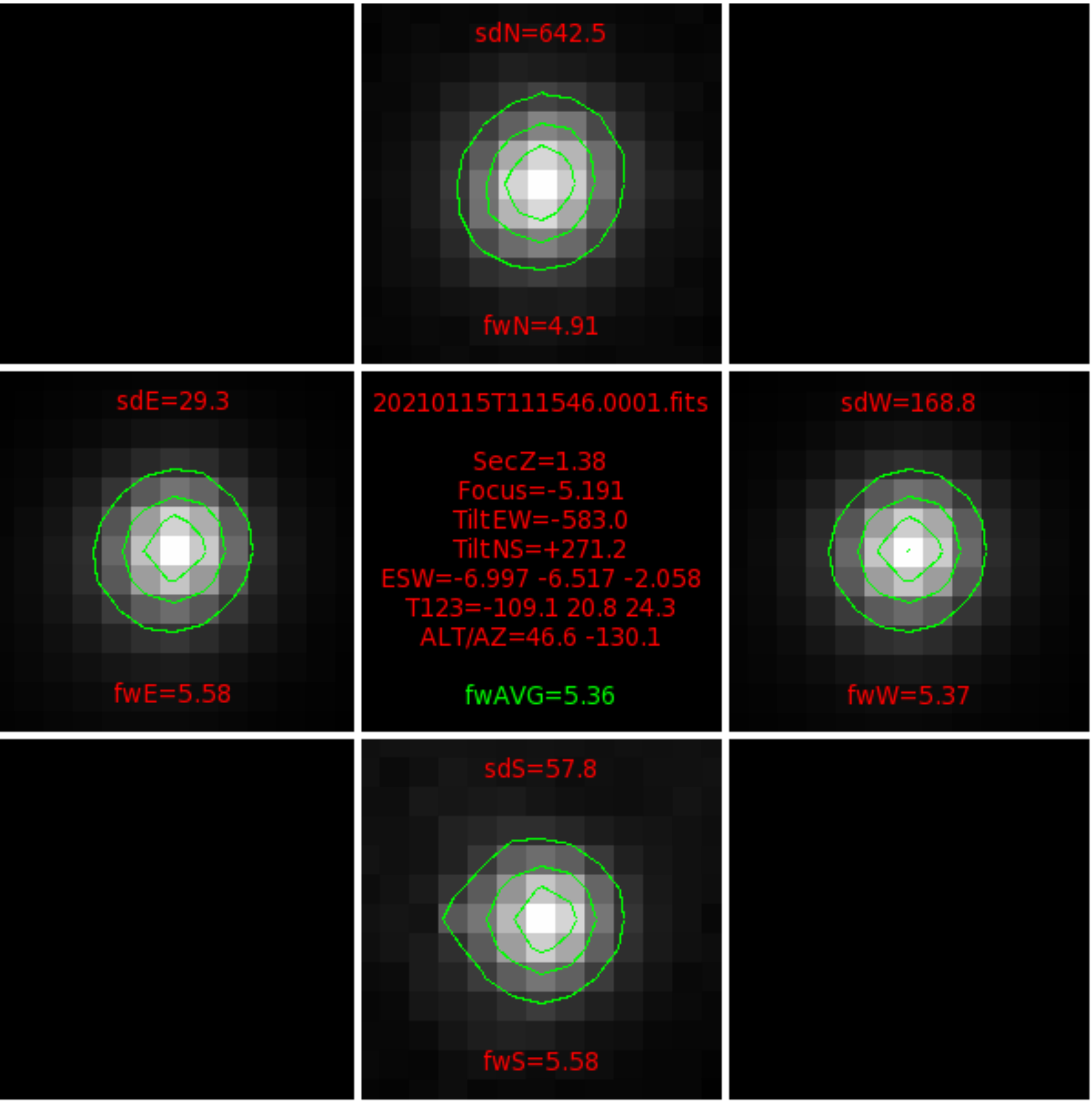
sdN=642.5
fwN=4.91
sdE=29.3
fwE=5.58
20210115T111546.0001.fits
SecZ=1.38
Focus=-5.191
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.997 -6.517 -2.058
T123=-109.1 20.8 24.3
ALT/AZ=46.6 -130.1
fwAVG=5.36
sdW=168.8
fwW=5.37
sdS=57.8
fwS=5.58
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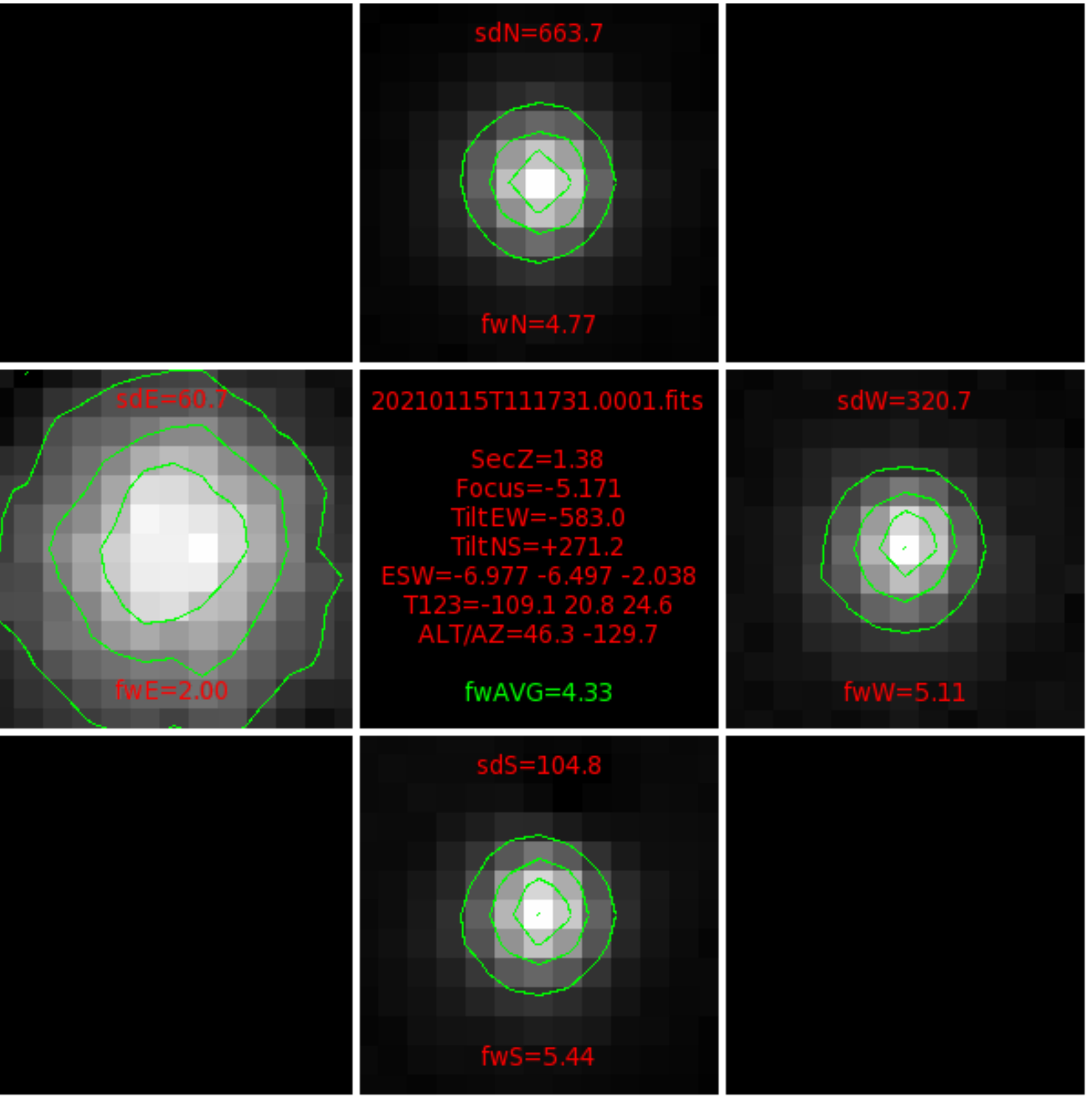
sdN=663.7
fwN=4.77
sdE=60.7
fwE=2.00
20210115T111731.0001.fits
SecZ=1.38
Focus=-5.171
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.977 -6.497 -2.038
T123=-109.1 20.8 24.6
ALT/AZ=46.3 -129.7
fwAVG=4.33
sdW=320.7
fwW=5.11
sdS=104.8
fwS=5.44
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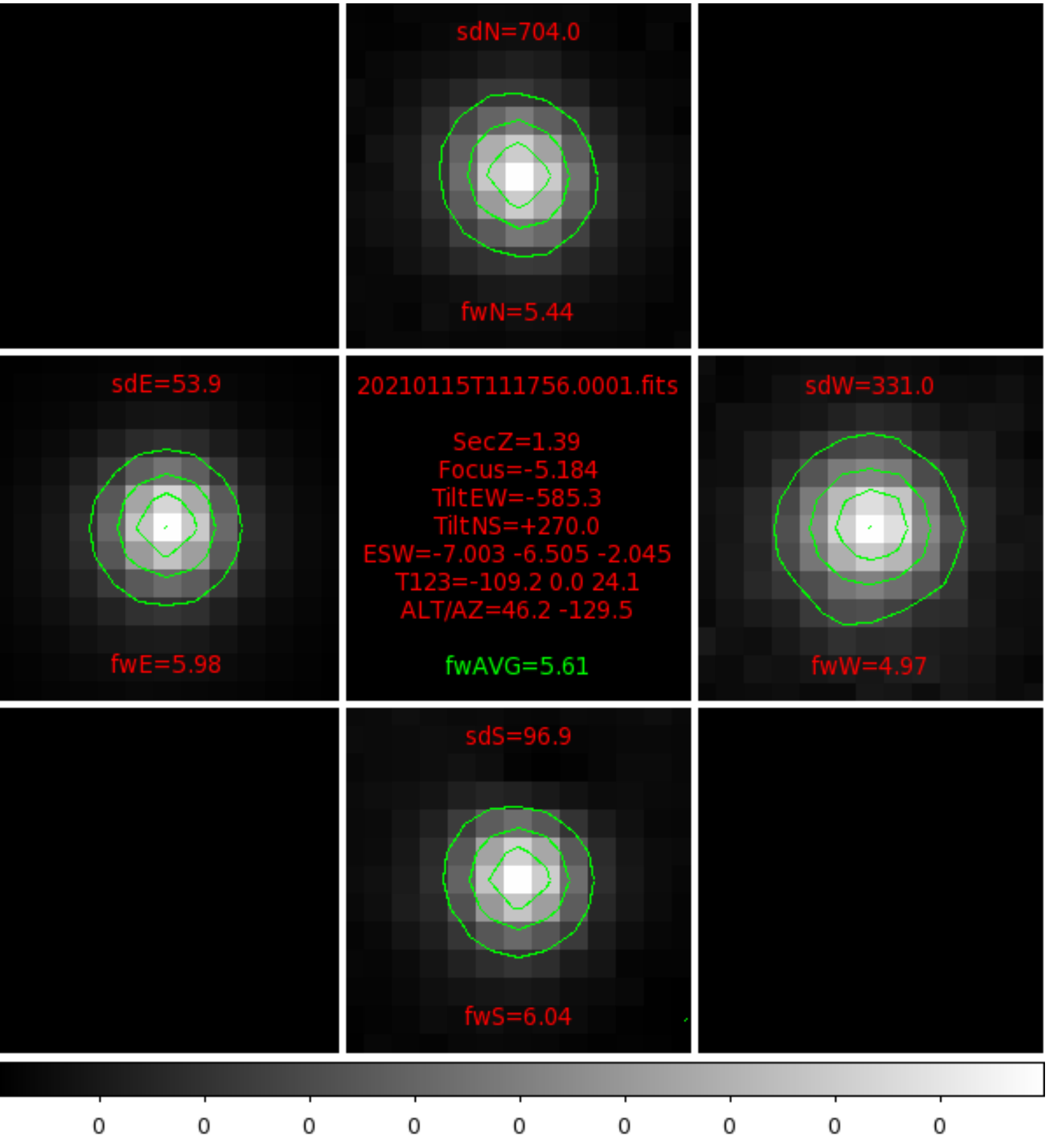
sdN=704.0
fwN=5.44
sdE=53.9
fwE=5.98
20210115T111756.0001.fits
SecZ=1.39
Focus=-5.184
TiltEW=-585.3
TiltNS=+270.0
ESW=-7.003 -6.505 -2.045
T123=-109.2 0.0 24.1
ALT/AZ=46.2 -129.5
fwAVG=5.61
sdW=331.0
fwW=4.97
sdS=96.9
fwS=6.04
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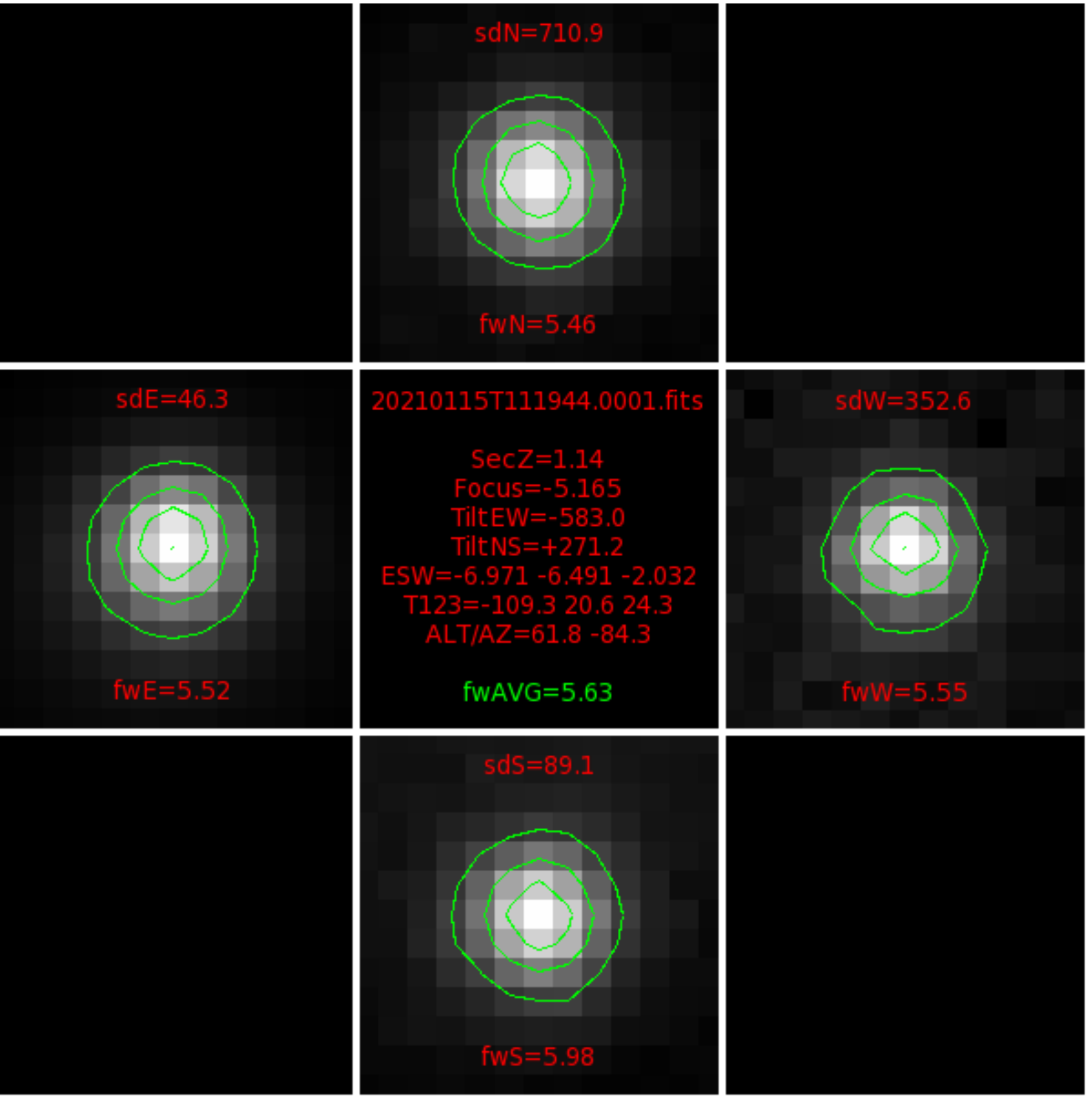
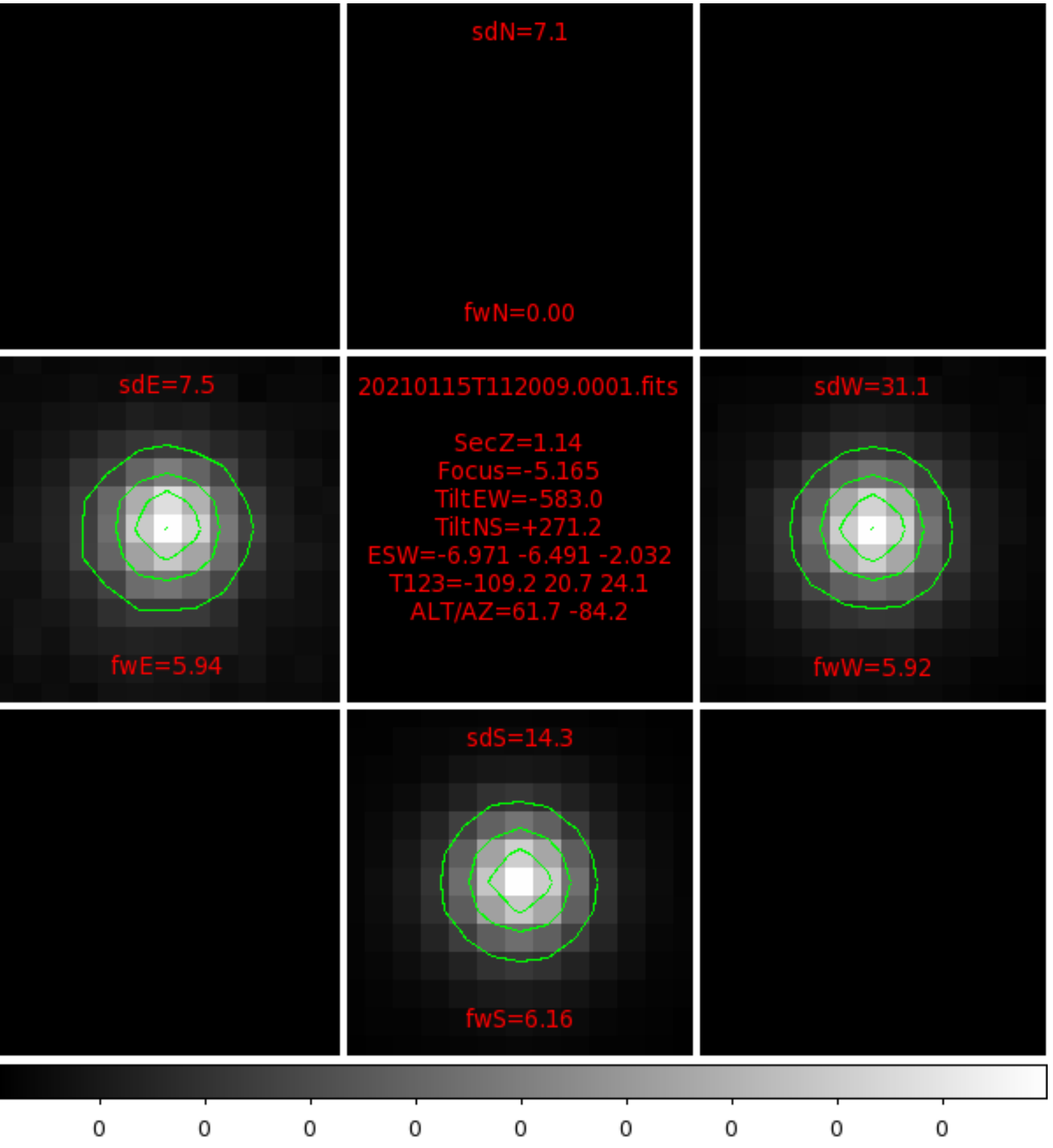

sdN=710.9
fwN=5.46
sdE=46.3
fwE=5.52
20210115T111944.0001.fits
SecZ=1.14
Focus=-5.165
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.971 -6.491 -2.032
T123=-109.3 20.6 24.3
ALT/AZ=61.8 -84.3
fwAVG=5.63
sdW=352.6
fwW=5.55
sdS=89.1
fwS=5.98
0 0 0 0 0 0 0 0 0


sdN=7.1
fwN=0.00
sdE=7.5
fwE=5.94
20210115T112009.0001.fits
SecZ=1.14
Focus=-5.165
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.971 -6.491 -2.032
T123=-109.2 20.7 24.1
ALT/AZ=61.7 -84.2
sdW=31.1
fwW=5.92
sdS=14.3
fwS=6.16
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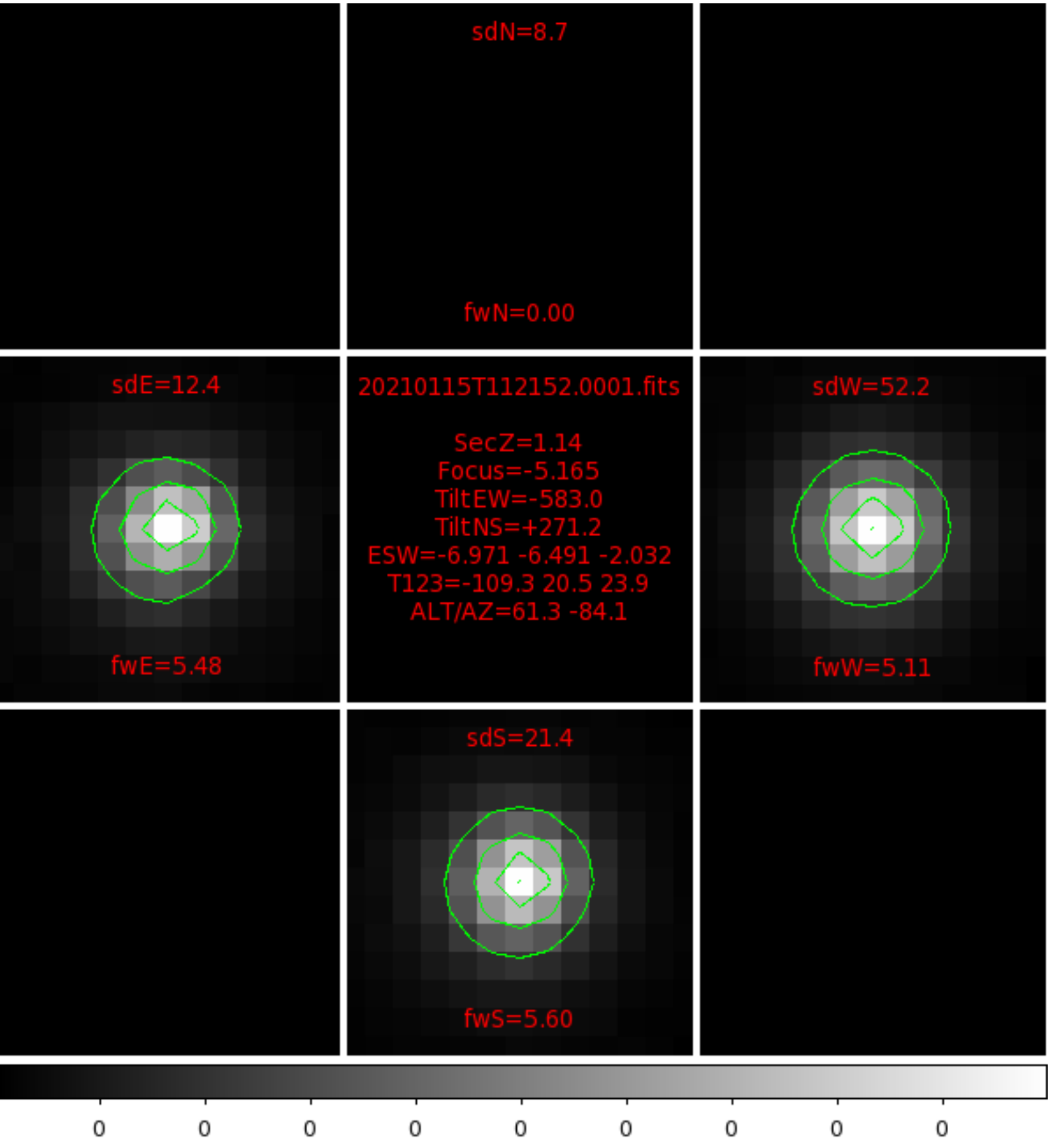
sdN=8.7
fwN=0.00
sdE=12.4
fwE=5.48
20210115T112152.0001.fits
SecZ=1.14
Focus=-5.165
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.971 -6.491 -2.032
T123=-109.3 20.5 23.9
ALT/AZ=61.3 -84.1
sdW=52.2
fwW=5.11
sdS=21.4
fwS=5.60
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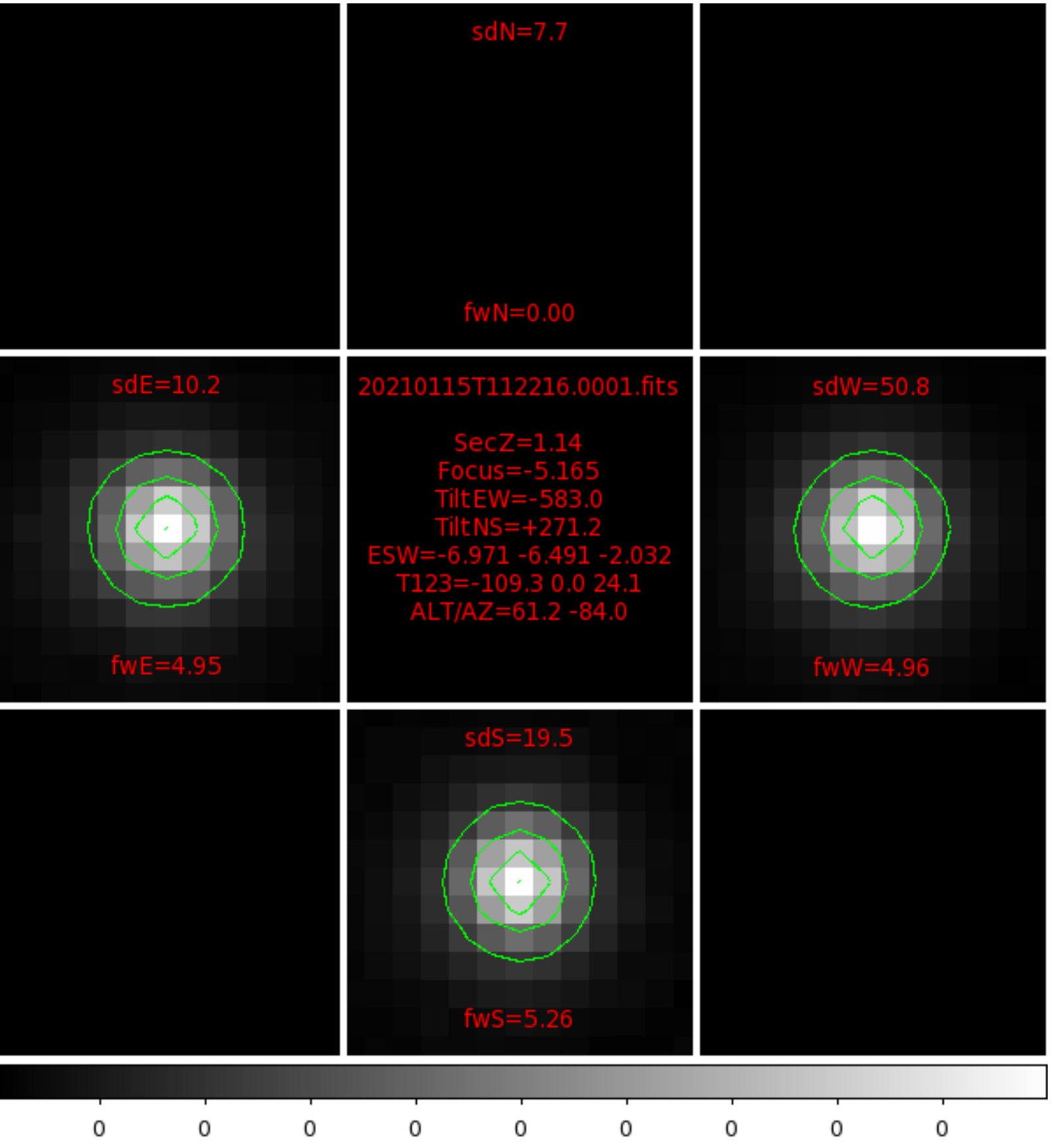
sdN=7.7
fwN=0.00
sdE=10.2
fwE=4.95
20210115T112216.0001.fits
SecZ=1.14
Focus=-5.165
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.971 -6.491 -2.032
T123=-109.3 0.0 24.1
ALT/AZ=61.2 -84.0
sdW=50.8
fwW=4.96
sdS=19.5
fwS=5.26
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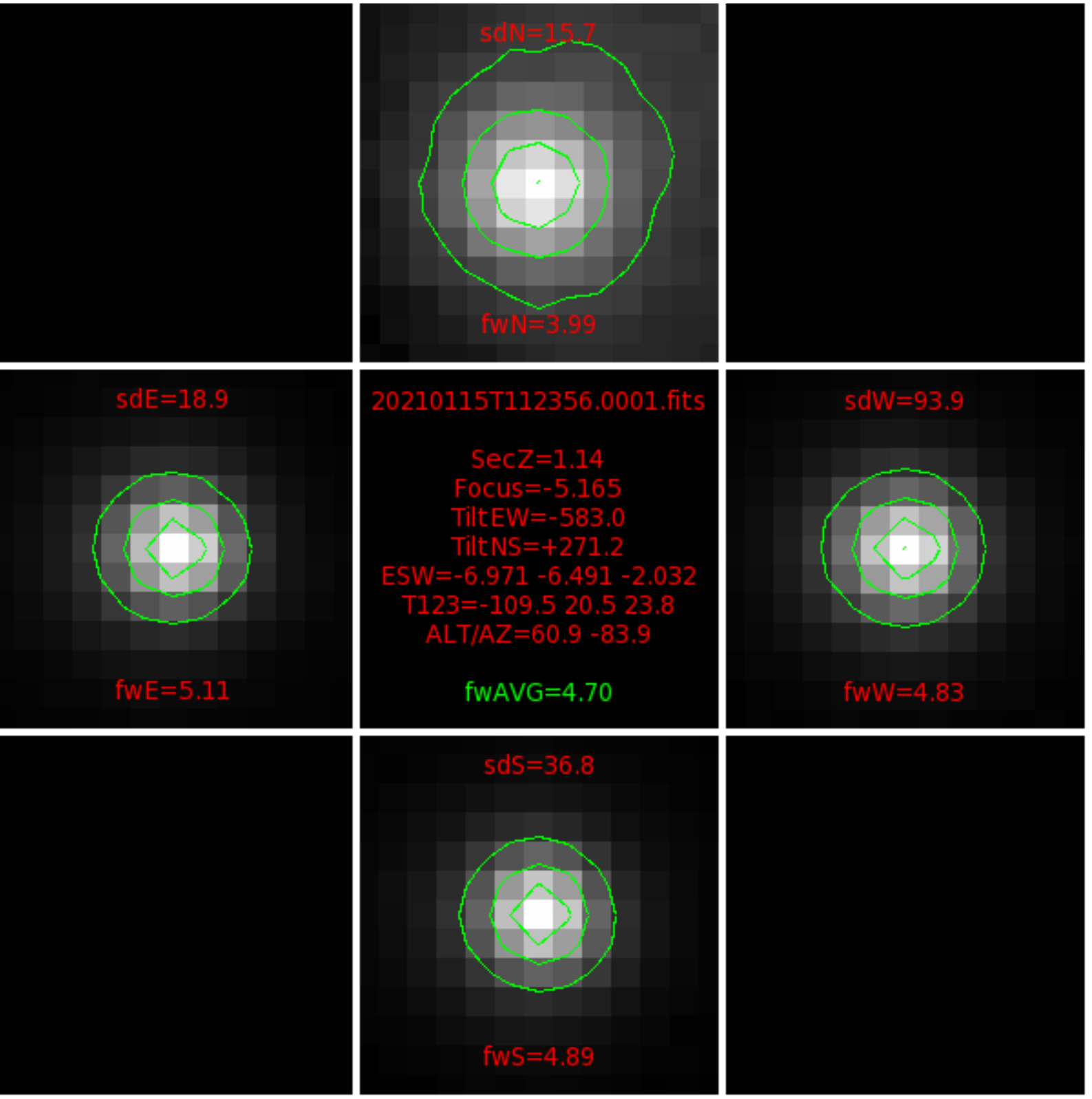
sdN=15.7
fwN=3.99
sdE=18.9
fwE=5.11
20210115T112356.0001.fits
SecZ=1.14
Focus=-5.165
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.971 -6.491 -2.032
T123=-109.5 20.5 23.8
ALT/AZ=60.9 -83.9
fwAVG=4.70
sdW=93.9
fwW=4.83
sdS=36.8
fwS=4.89
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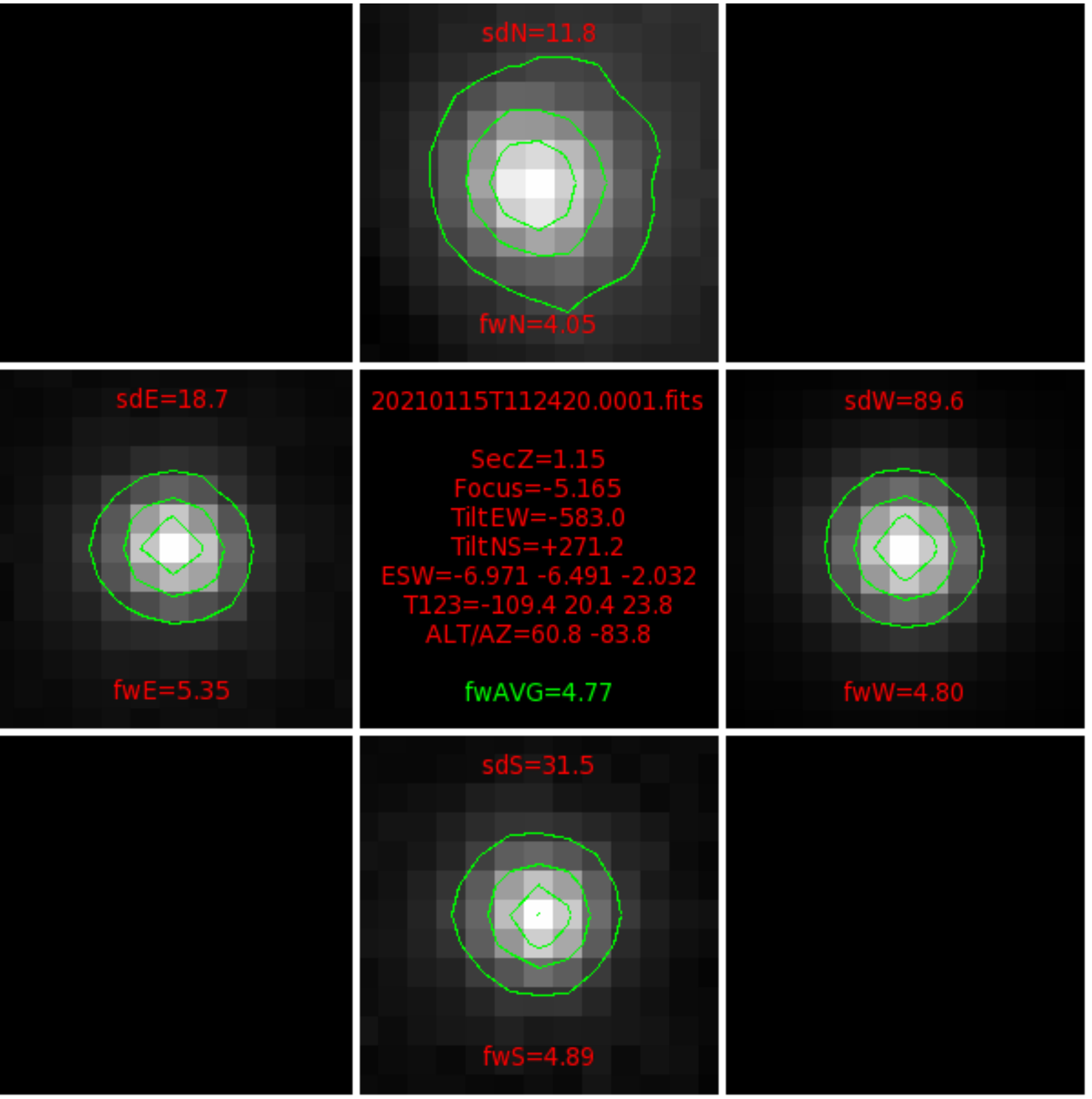
sdN=11.8
fwN=4.05
sdE=18.7
fwE=5.35
20210115T112420.0001.fits
SecZ=1.15
Focus=-5.165
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.971 -6.491 -2.032
T123=-109.4 20.4 23.8
ALT/AZ=60.8 -83.8
fwAVG=4.77
sdW=89.6
fwW=4.80
sdS=31.5
fwS=4.89
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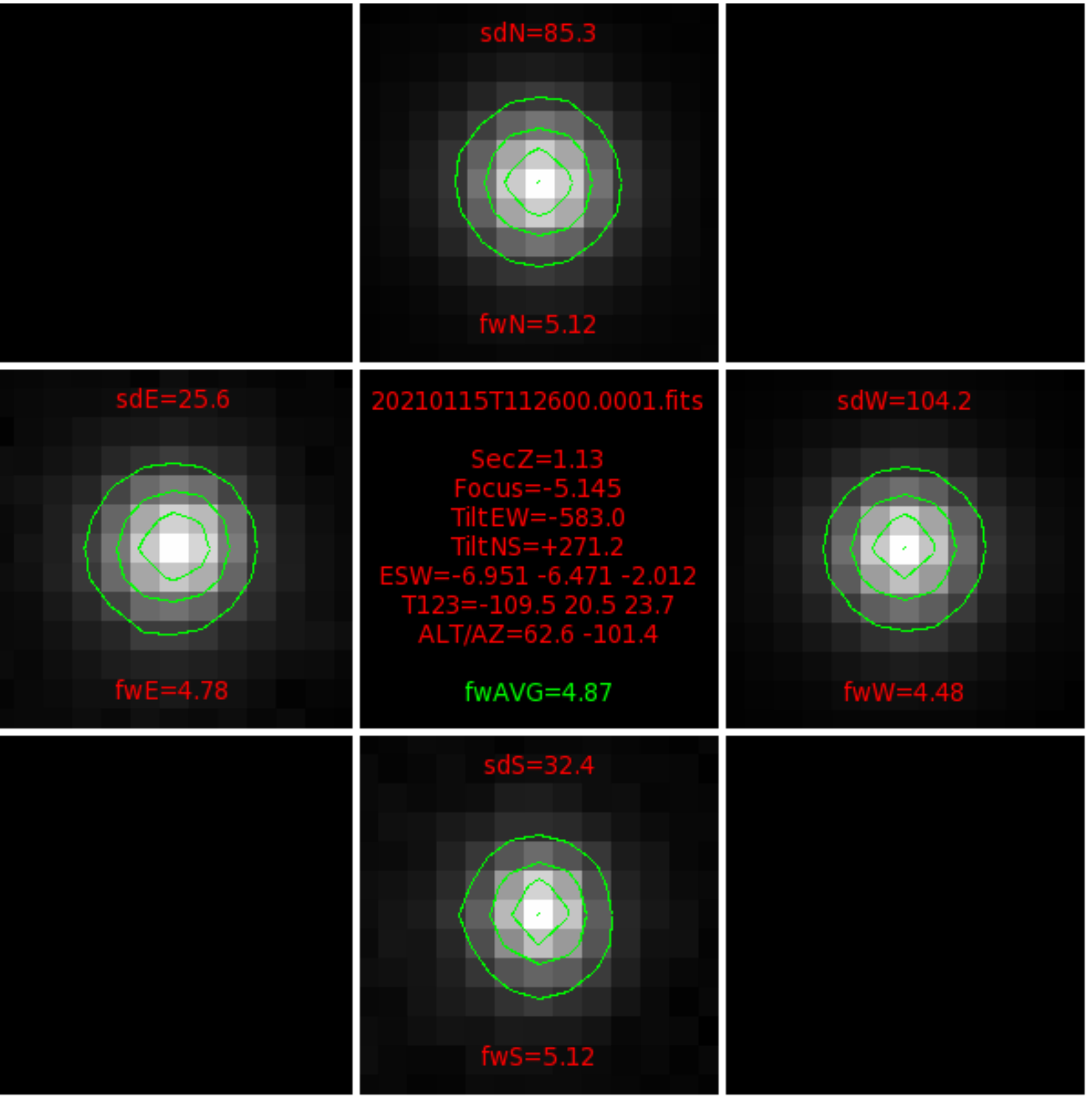
sdN=85.3
fwN=5.12
sdE=25.6
fwE=4.78
20210115T112600.0001.fits
SecZ=1.13
Focus=-5.145
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.951 -6.471 -2.012
T123=-109.5 20.5 23.7
ALT/AZ=62.6 -101.4
fwAVG=4.87
sdW=104.2
fwW=4.48
sdS=32.4
fwS=5.12
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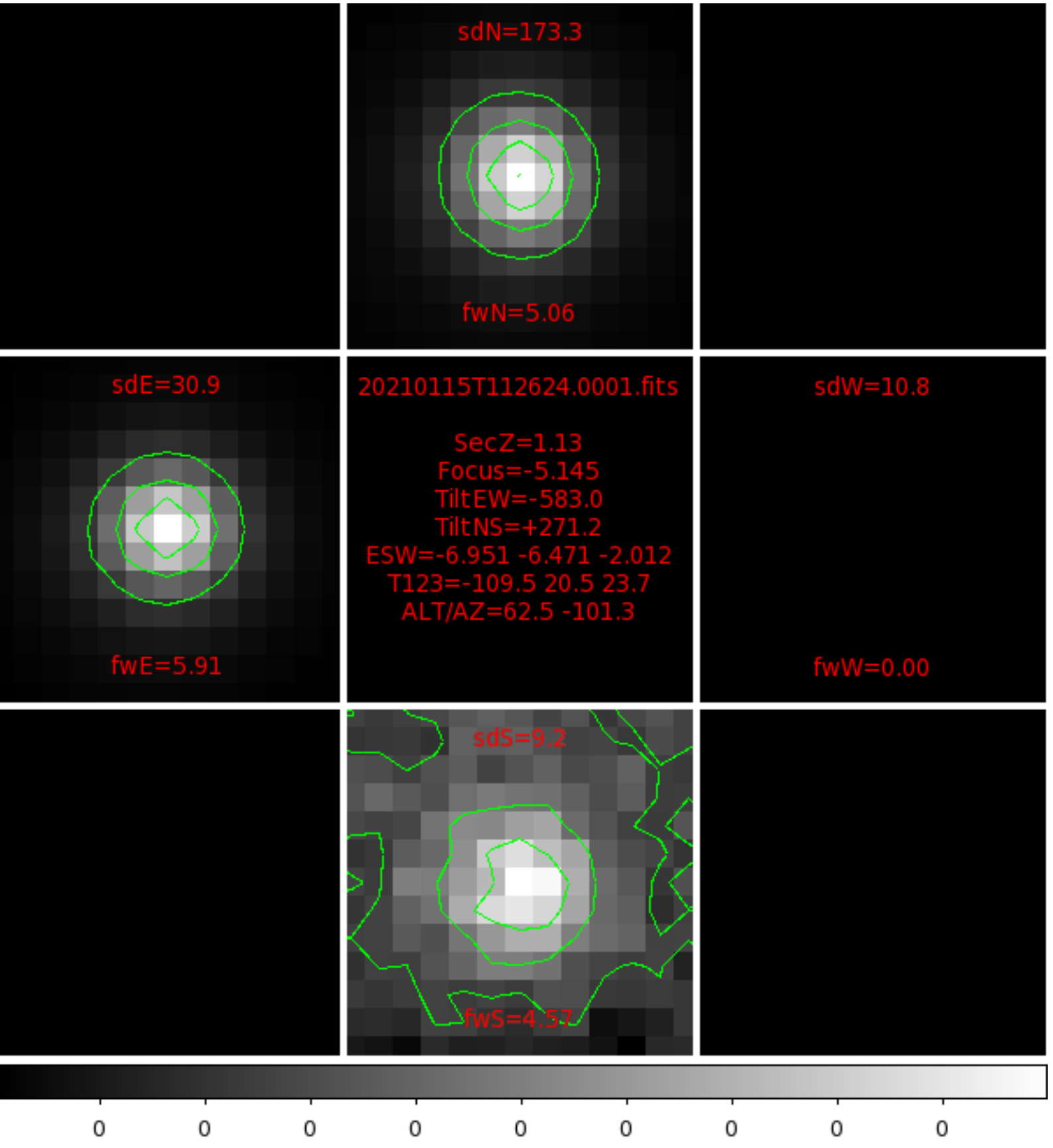
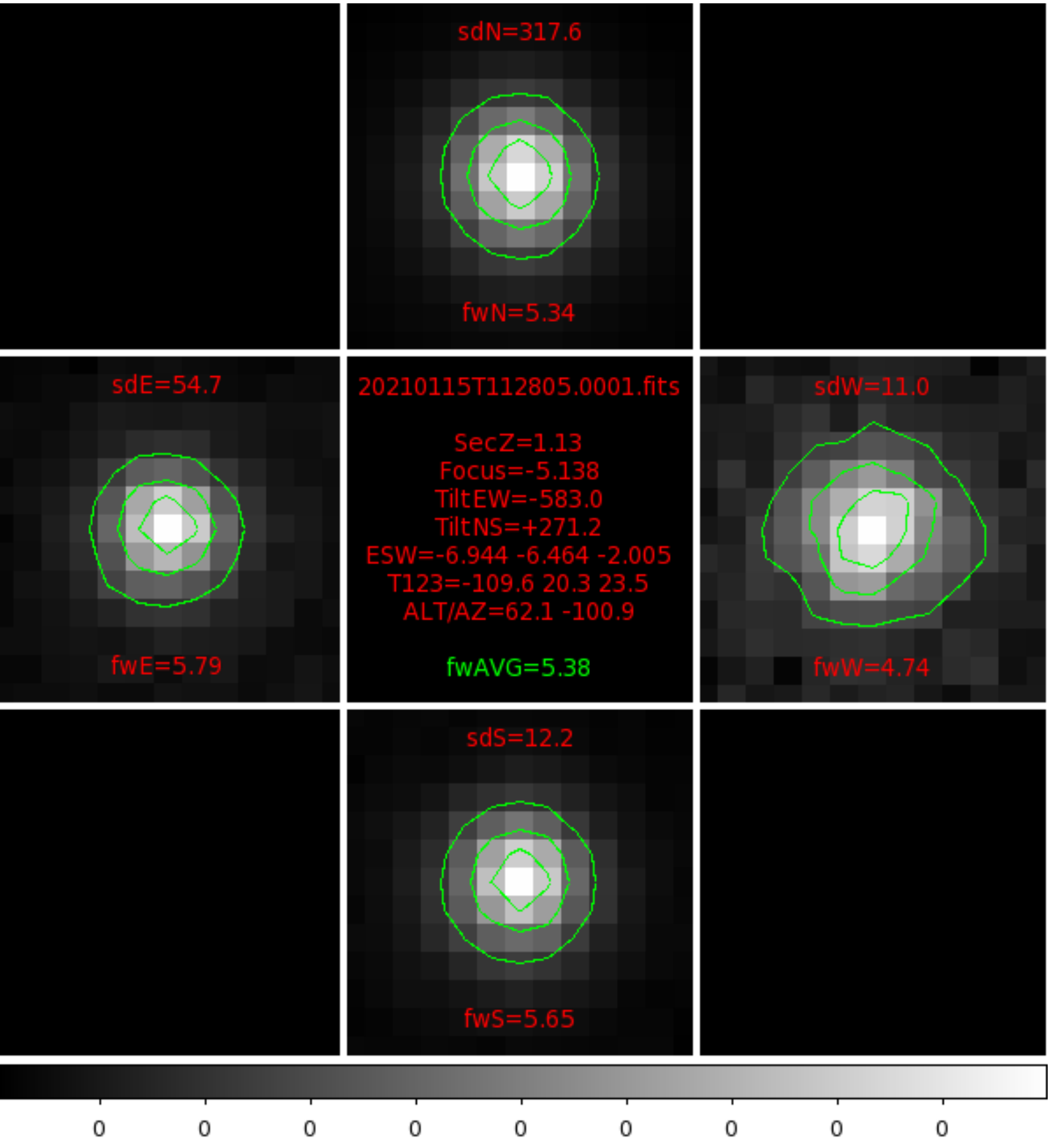
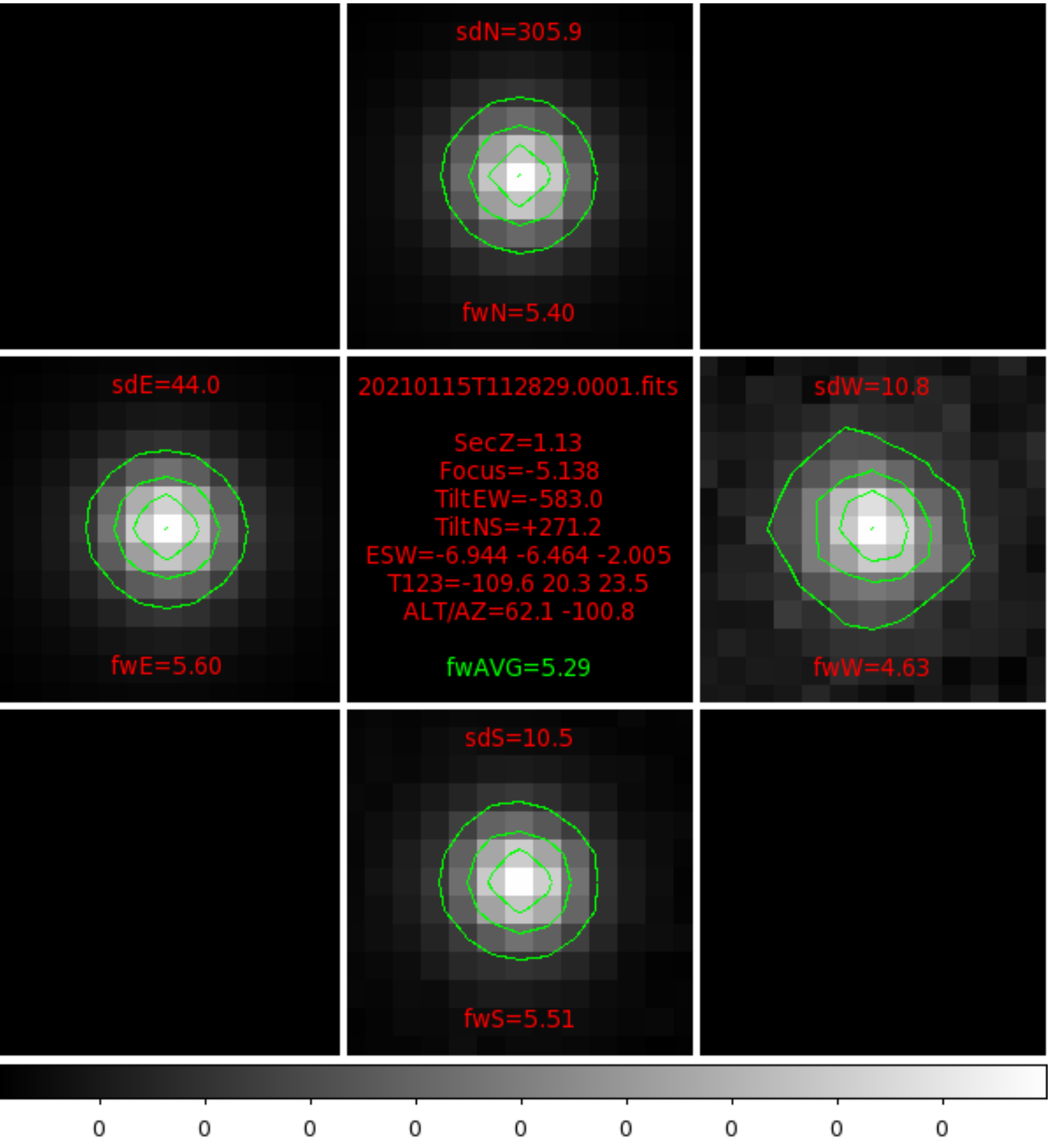
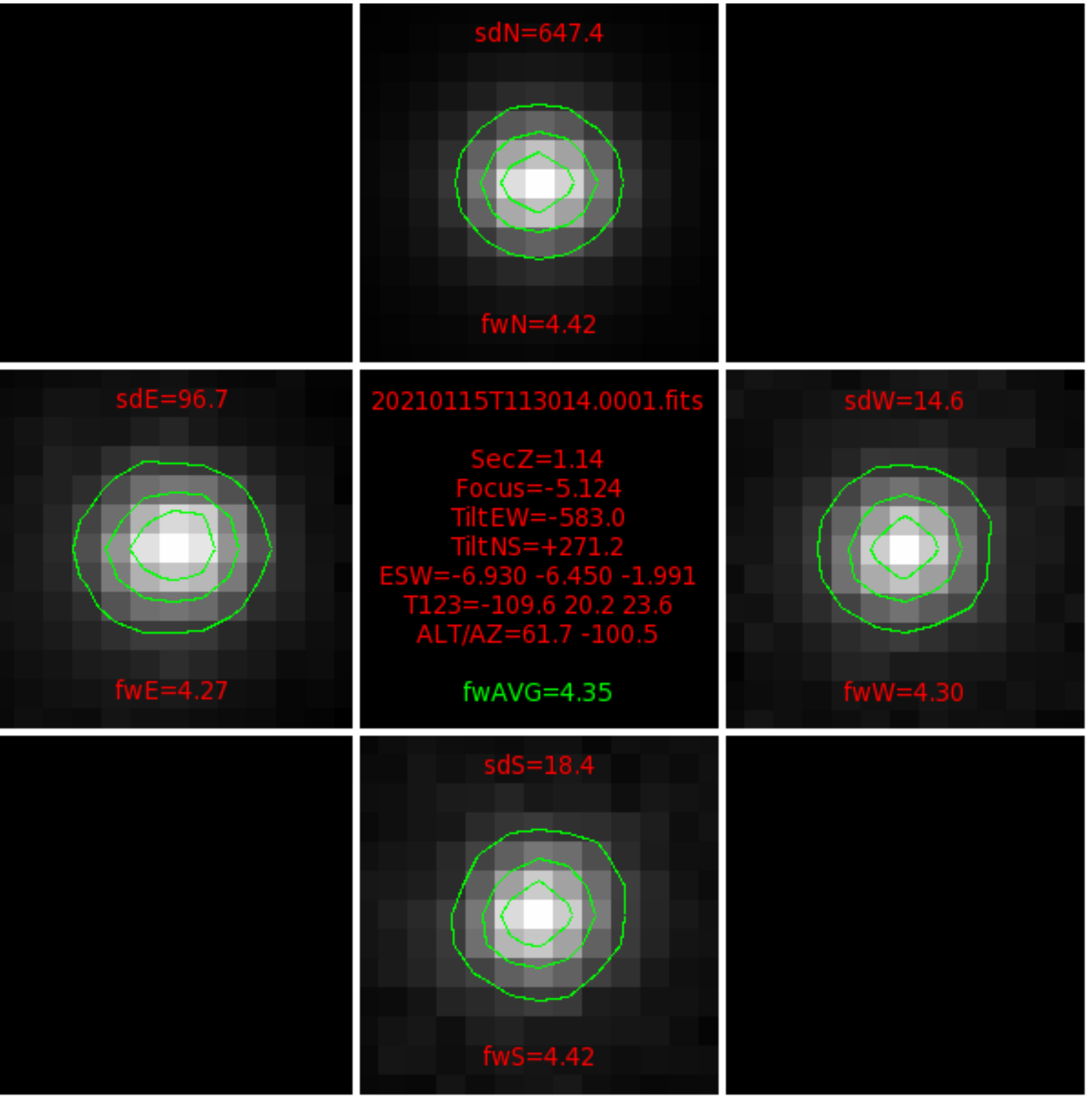

sdN=173.3
fwN=5.06
sdE=30.9
fwE=5.91
20210115T112624.0001.fits
SecZ=1.13
Focus=-5.145
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.951 -6.471 -2.012
T123=-109.5 20.5 23.7
ALT/AZ=62.5 -101.3
sdW=10.8
fwW=0.00
sdS=9.2
fwS=4.57
0 0 0 0 0 0 0 0 0


sdN=317.6
fwN=5.34
sdE=54.7
fwE=5.79
20210115T112805.0001.fits
SecZ=1.13
Focus=-5.138
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.944 -6.464 -2.005
T123=-109.6 20.3 23.5
ALT/AZ=62.1 -100.9
fwAVG=5.38
sdW=11.0
fwW=4.74
sdS=12.2
fwS=5.65
0 0 0 0 0 0 0 0 0


sdN=305.9
fwN=5.40
sdE=44.0
fwE=5.60
20210115T112829.0001.fits
SecZ=1.13
Focus=-5.138
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.944 -6.464 -2.005
T123=-109.6 20.3 23.5
ALT/AZ=62.1 -100.8
fwAVG=5.29
sdW=10.8
fwW=4.63
sdS=10.5
fwS=5.51
0 0 0 0 0 0 0 0 0


sdN=647.4
fwN=4.42
sdE=96.7
fwE=4.27
20210115T113014.0001.fits
SecZ=1.14
Focus=-5.124
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.930 -6.450 -1.991
T123=-109.6 20.2 23.6
ALT/AZ=61.7 -100.5
fwAVG=4.35
sdW=14.6
fwW=4.30
sdS=18.4
fwS=4.42
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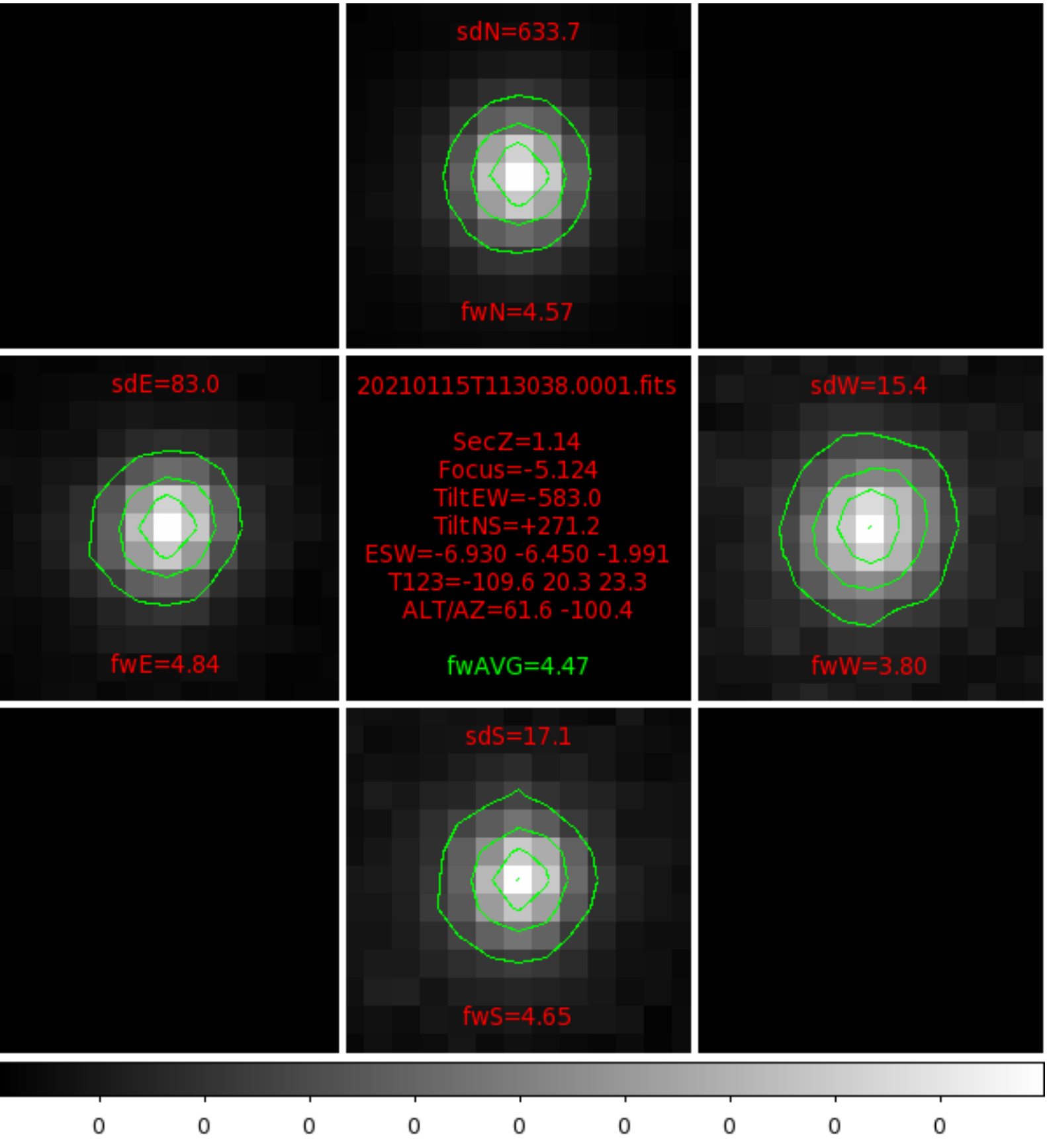
sdN=633.7
fwN=4.57
sdE=83.0
fwE=4.84
20210115T113038.0001.fits
SecZ=1.14
Focus=-5.124
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.930 -6.450 -1.991
T123=-109.6 20.3 23.3
ALT/AZ=61.6 -100.4
fwAVG=4.47
sdW=15.4
fwW=3.80
sdS=17.1
fwS=4.65
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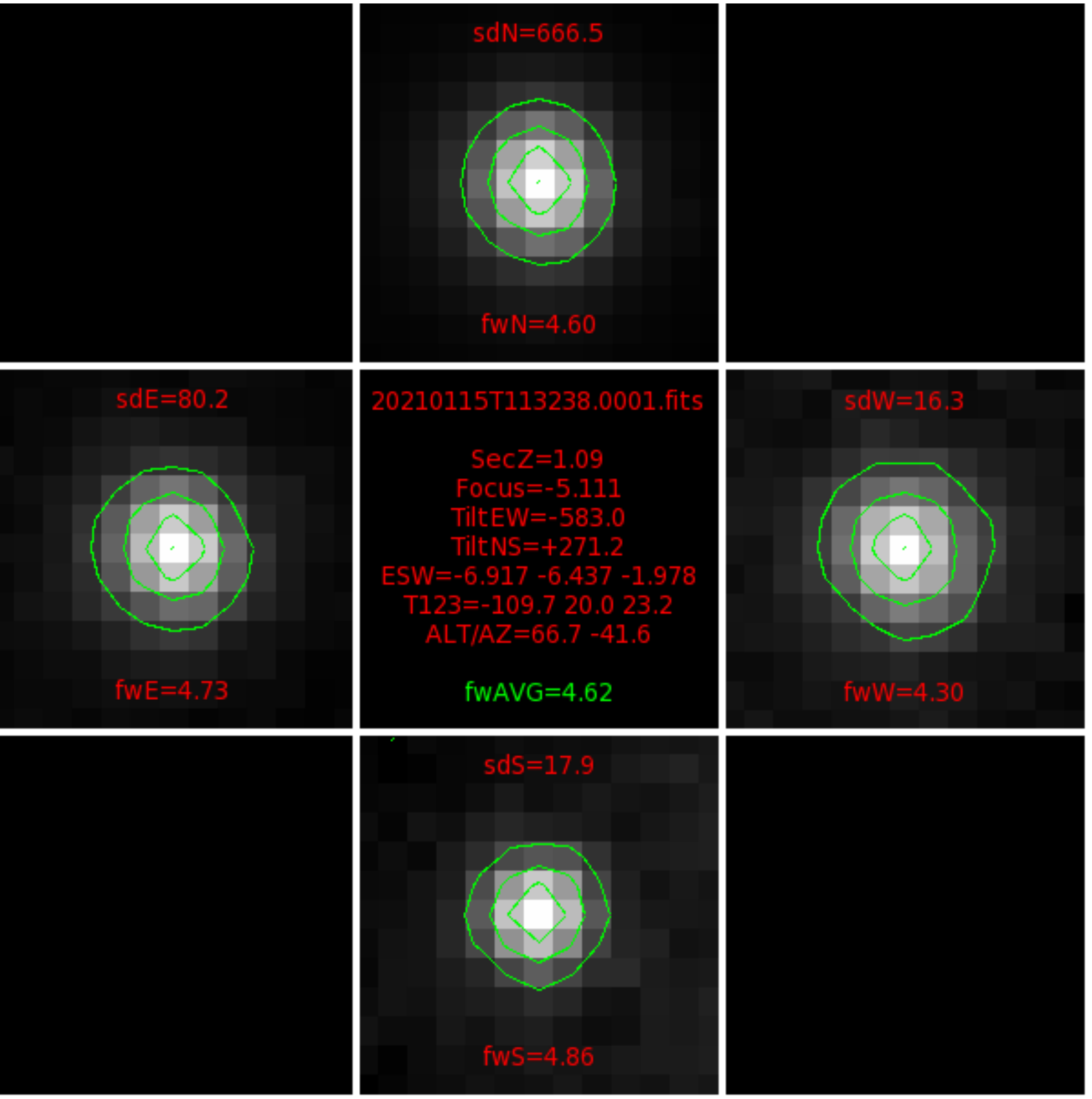
sdN=666.5
fwN=4.60
sdE=80.2
fwE=4.73
20210115T113238.0001.fits
SecZ=1.09
Focus=-5.111
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.917 -6.437 -1.978
T123=-109.7 20.0 23.2
ALT/AZ=66.7 -41.6
fwAVG=4.62
sdW=16.3
fwW=4.30
sdS=17.9
fwS=4.86
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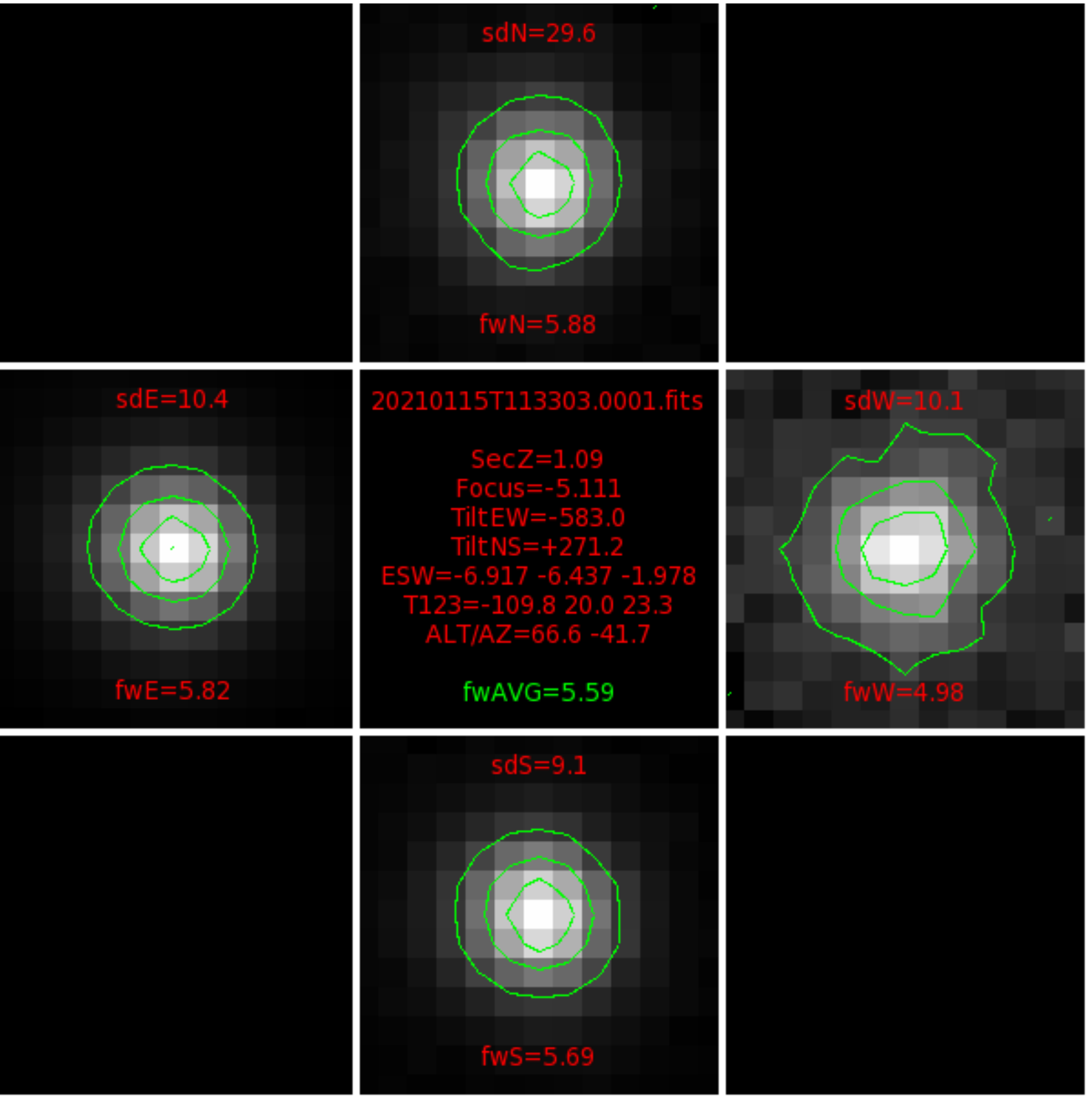
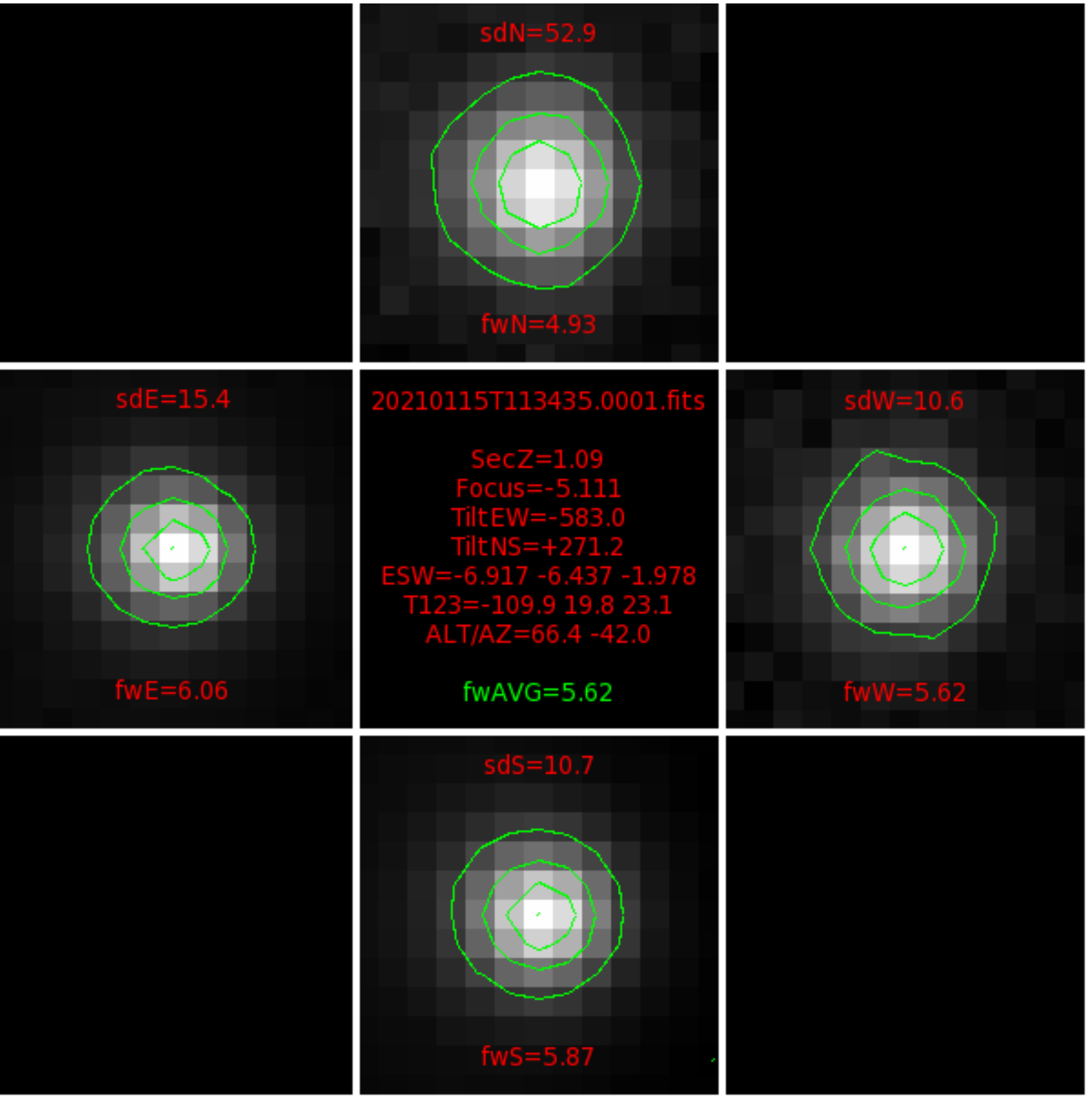
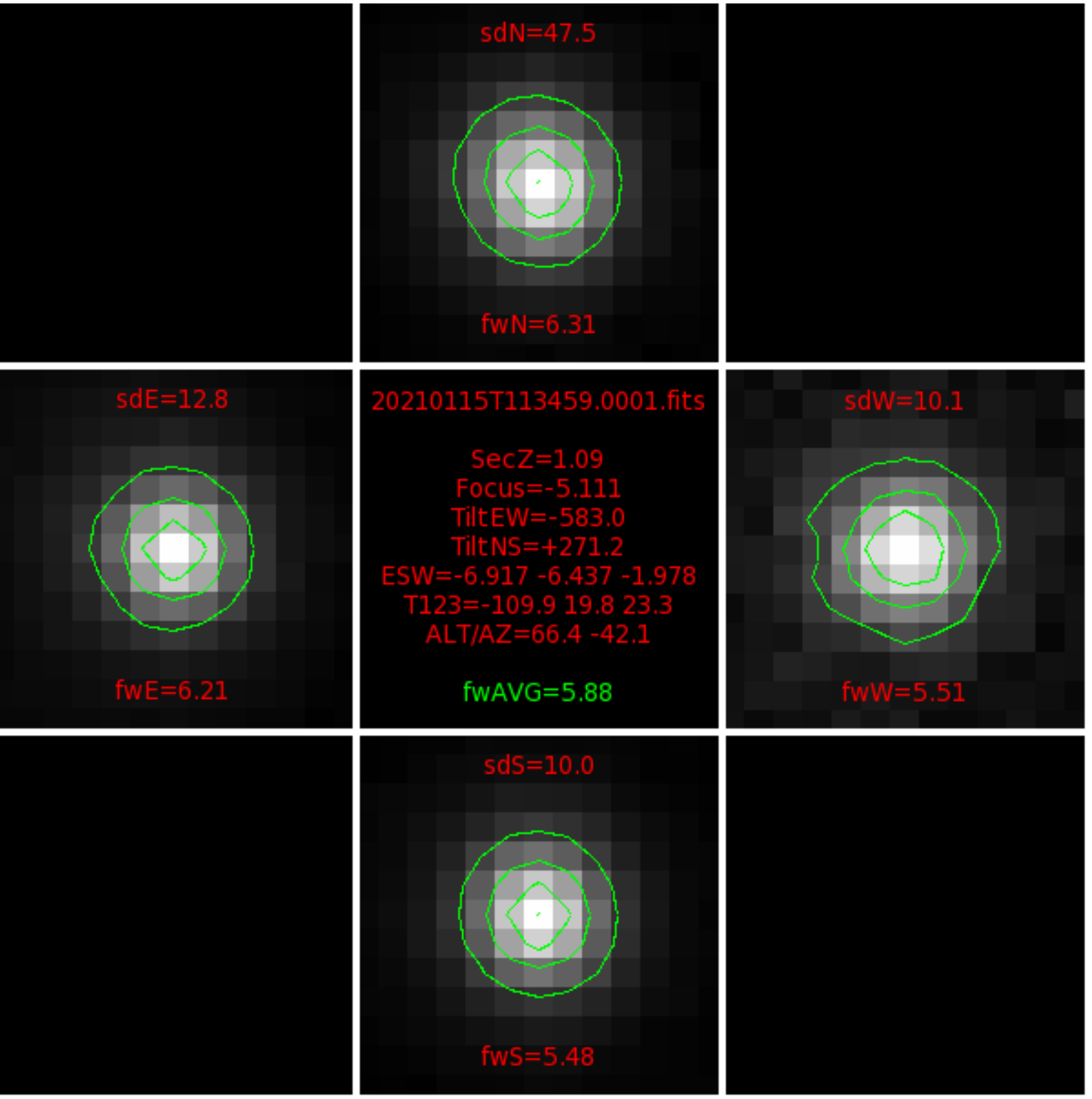
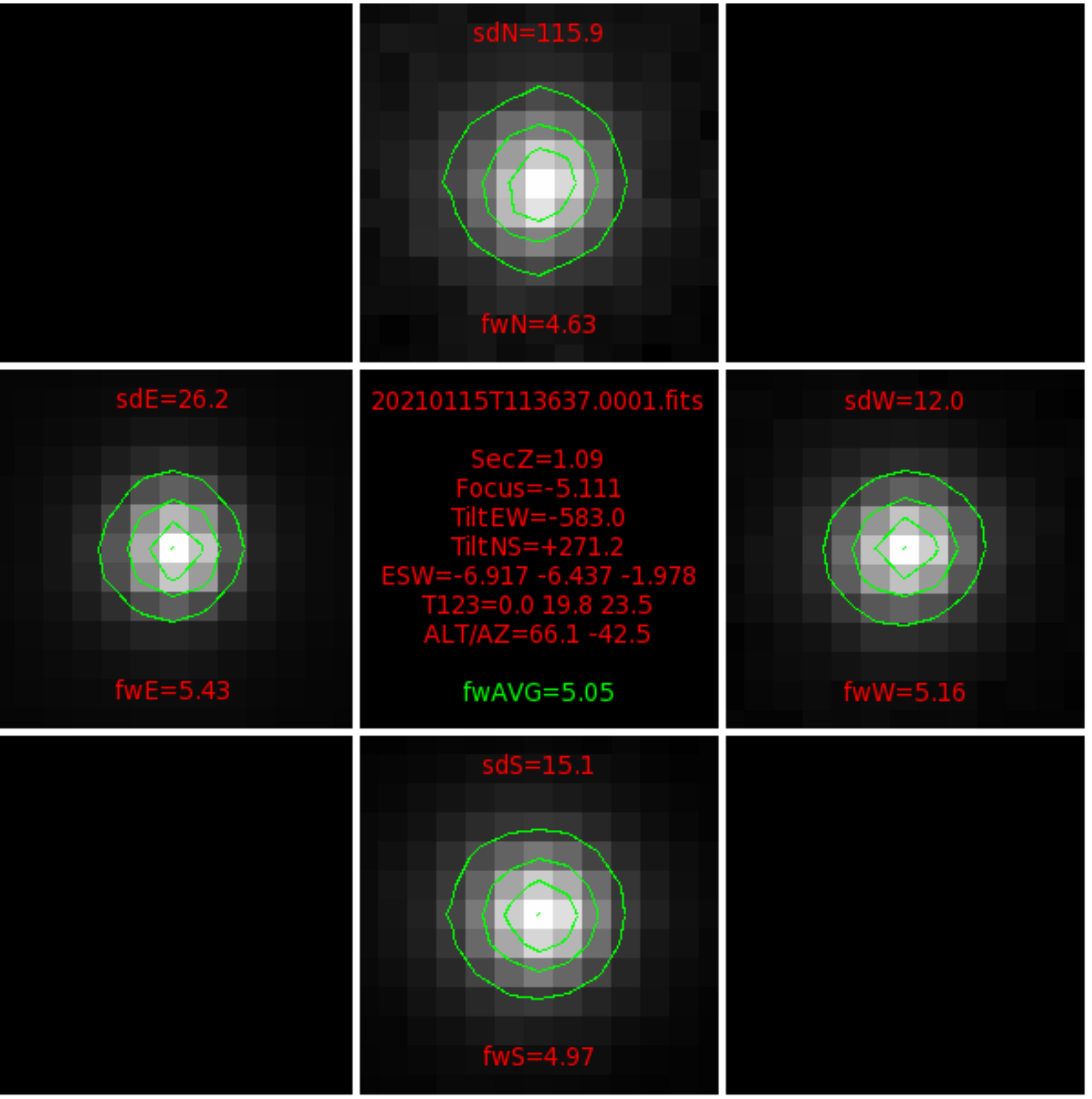
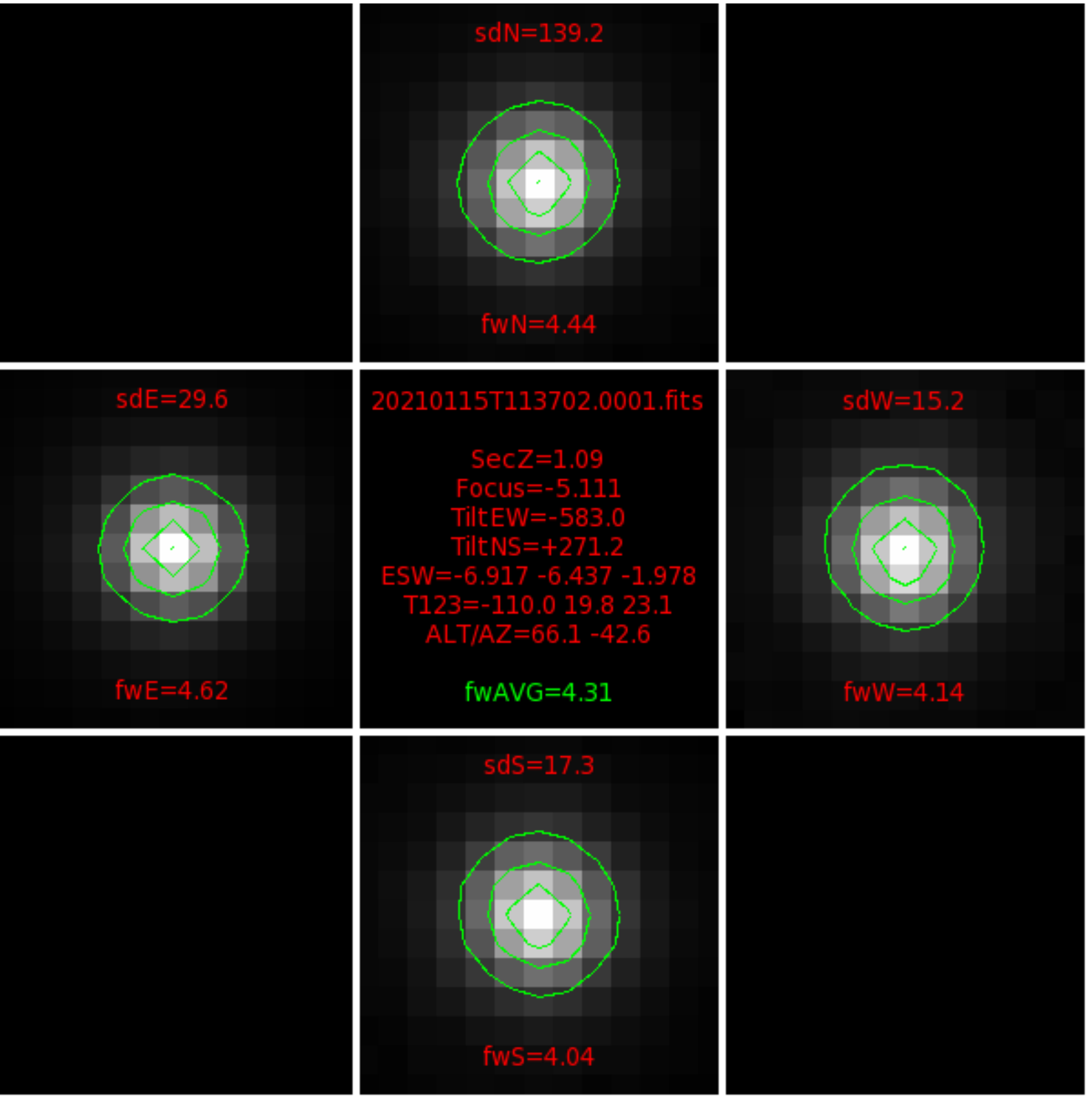

sdN=29.6
fwN=5.88
sdE=10.4
fwE=5.82
20210115T113303.0001.fits
SecZ=1.09
Focus=-5.111
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.917 -6.437 -1.978
T123=-109.8 20.0 23.3
ALT/AZ=66.6 -41.7
fwAVG=5.59
sdW=10.1
fwW=4.98
sdS=9.1
fwS=5.69
0 0 0 0 0 0 0 0 0


sdN=52.9
fwN=4.93
sdE=15.4
fwE=6.06
20210115T113435.0001.fits
SecZ=1.09
Focus=-5.111
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.917 -6.437 -1.978
T123=-109.9 19.8 23.1
ALT/AZ=66.4 -42.0
fwAVG=5.62
sdW=10.6
fwW=5.62
sdS=10.7
fwS=5.87
0 0 0 0 0 0 0 0 0


sdN=47.5
fwN=6.31
sdE=12.8
fwE=6.21
20210115T113459.0001.fits
SecZ=1.09
Focus=-5.111
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.917 -6.437 -1.978
T123=-109.9 19.8 23.3
ALT/AZ=66.4 -42.1
fwAVG=5.88
sdW=10.1
fwW=5.51
sdS=10.0
fwS=5.48
0 0 0 0 0 0 0 0 0


sdN=115.9
fwN=4.63
sdE=26.2
fwE=5.43
20210115T113637.0001.fits
SecZ=1.09
Focus=-5.111
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.917 -6.437 -1.978
T123=0.0 19.8 23.5
ALT/AZ=66.1 -42.5
fwAVG=5.05
sdW=12.0
fwW=5.16
sdS=15.1
fwS=4.97
0 0 0 0 0 0 0 0 0


sdN=139.2
fwN=4.44
sdE=29.6
fwE=4.62
20210115T113702.0001.fits
SecZ=1.09
Focus=-5.111
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.917 -6.437 -1.978
T123=-110.0 19.8 23.1
ALT/AZ=66.1 -42.6
fwAVG=4.31
sdW=15.2
fwW=4.14
sdS=17.3
fwS=4.04
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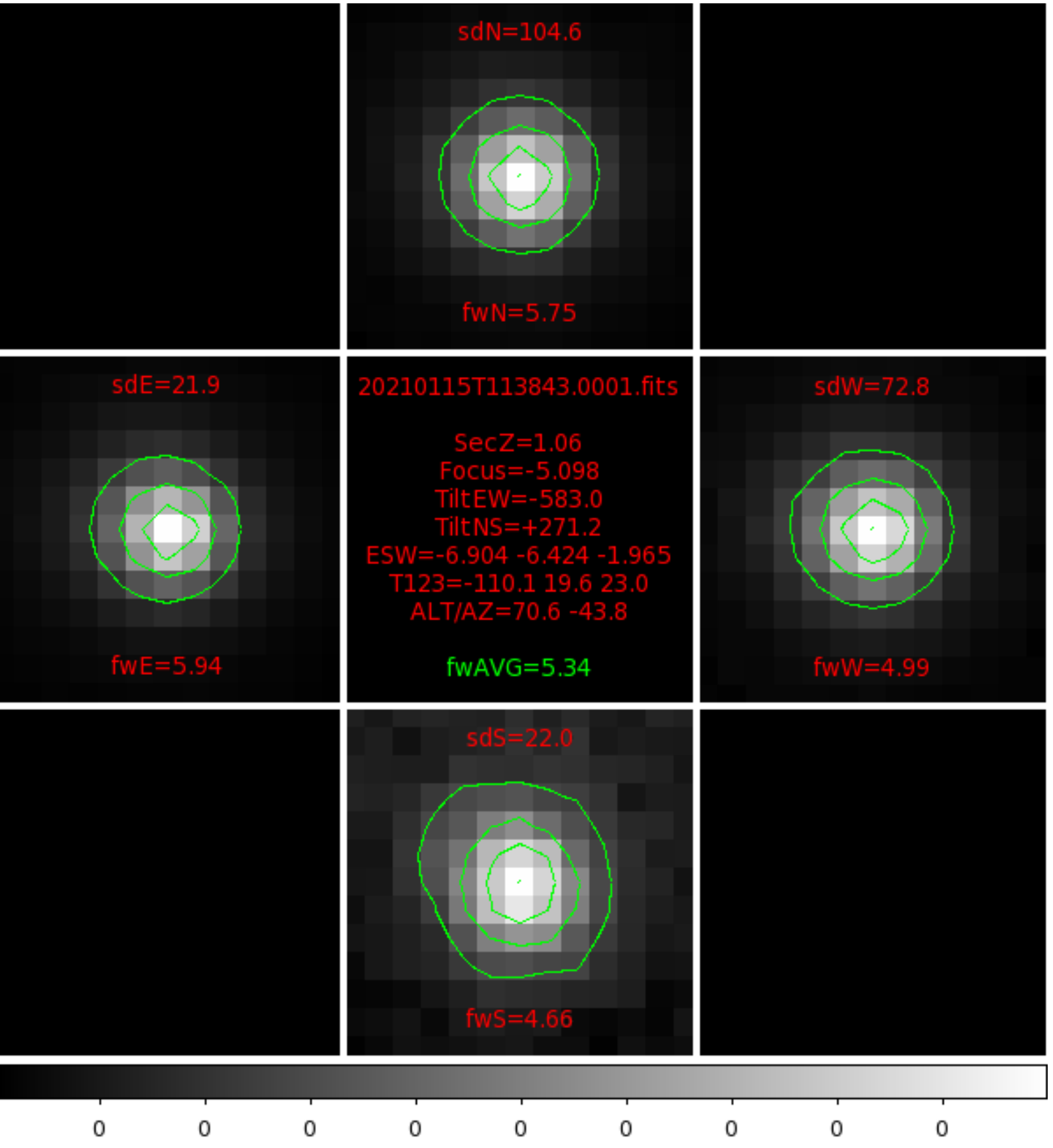
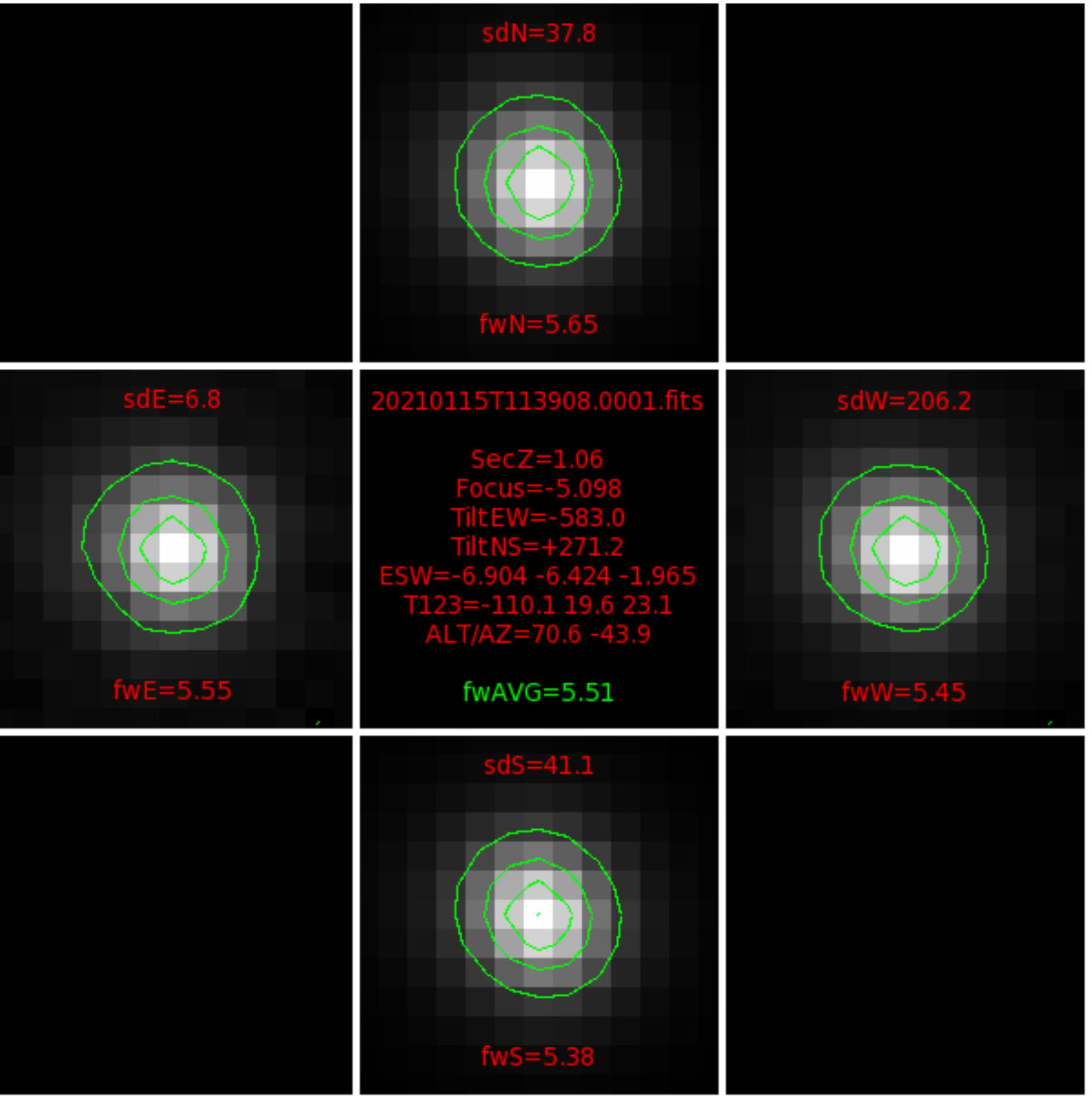

sdN=104.6
fwN=5.75
sdE=21.9
fwE=5.94
20210115T113843.0001.fits
SecZ=1.06
Focus=-5.098
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.904 -6.424 -1.965
T123=-110.1 19.6 23.0
ALT/AZ=70.6 -43.8
fwAVG=5.34
sdW=72.8
fwW=4.99
sdS=22.0
fwS=4.66
0 0 0 0 0 0 0 0 0


sdN=37.8
fwN=5.65
sdE=6.8
fwE=5.55
20210115T113908.0001.fits
SecZ=1.06
Focus=-5.098
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.904 -6.424 -1.965
T123=-110.1 19.6 23.1
ALT/AZ=70.6 -43.9
fwAVG=5.51
sdW=206.2
fwW=5.45
sdS=41.1
fwS=5.38
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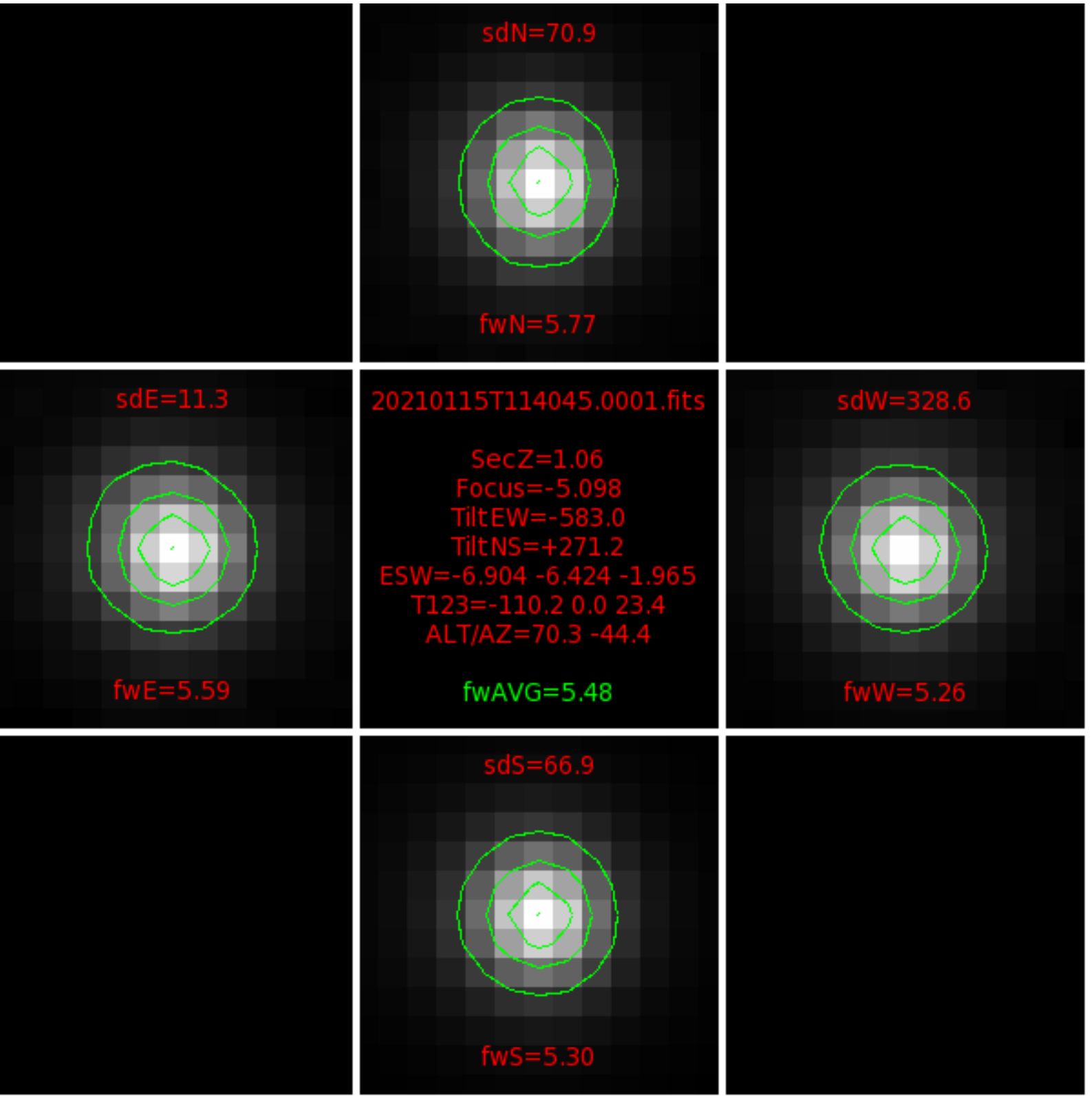
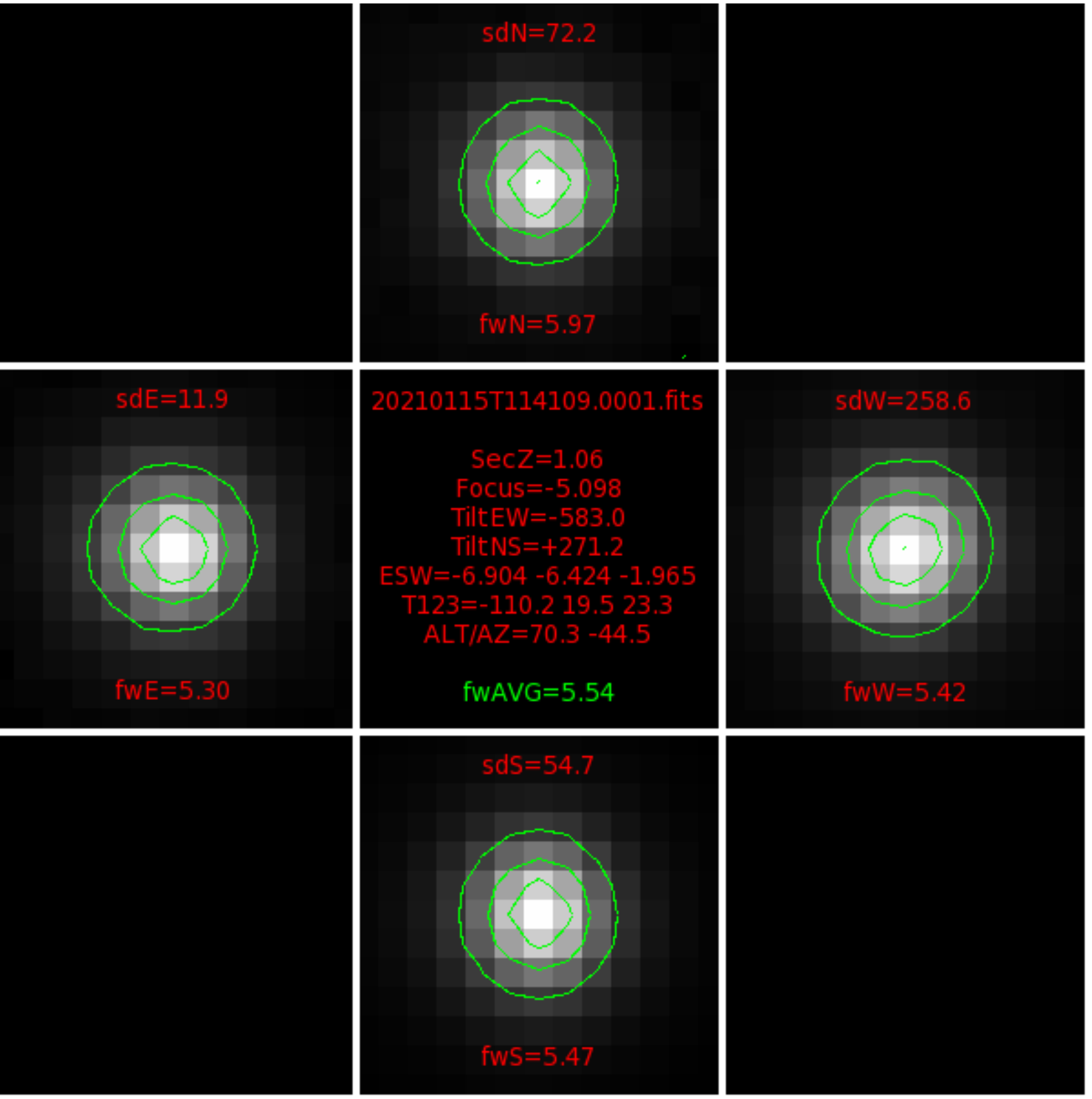

sdN=70.9
fwN=5.77
sdE=11.3
fwE=5.59
20210115T114045.0001.fits
SecZ=1.06
Focus=-5.098
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.904 -6.424 -1.965
T123=-110.2 0.0 23.4
ALT/AZ=70.3 -44.4
fwAVG=5.48
sdW=328.6
fwW=5.26
sdS=66.9
fwS=5.30
0 0 0 0 0 0 0 0 0


sdN=72.2
fwN=5.97
sdE=11.9
fwE=5.30
20210115T114109.0001.fits
SecZ=1.06
Focus=-5.098
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.904 -6.424 -1.965
T123=-110.2 19.5 23.3
ALT/AZ=70.3 -44.5
fwAVG=5.54
sdW=258.6
fwW=5.42
sdS=54.7
fwS=5.47
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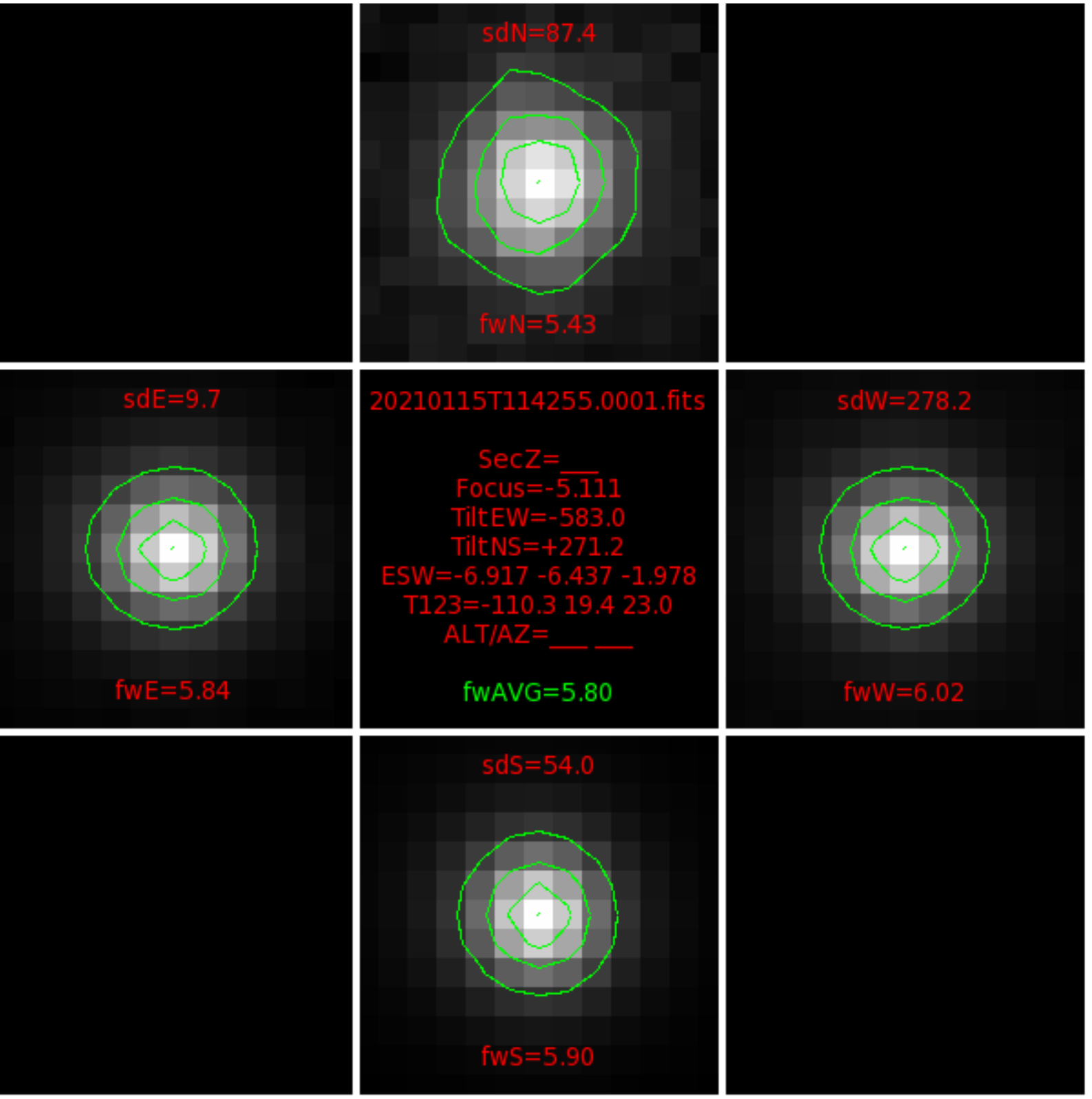
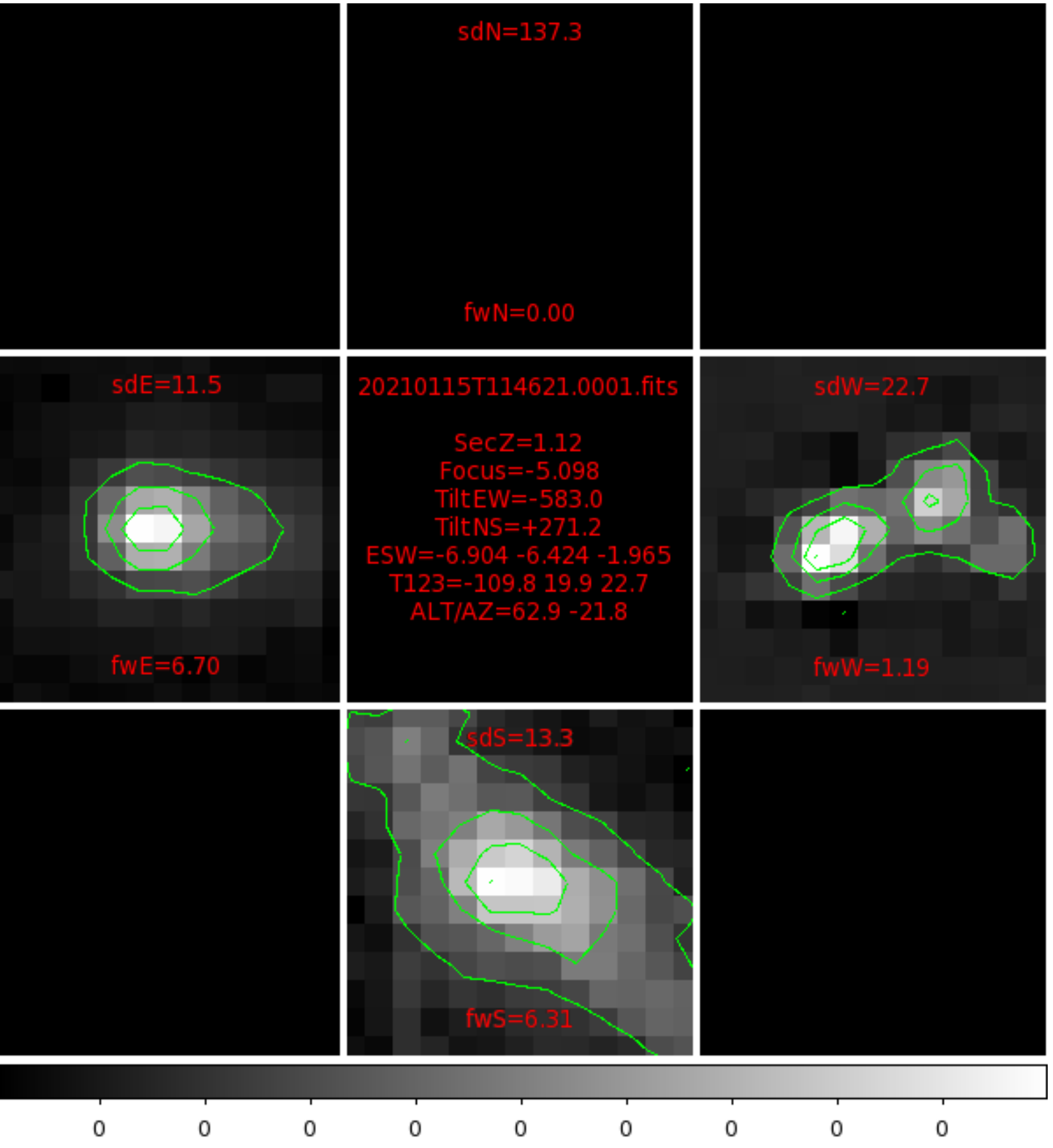

sdN=87.4
fwN=5.43
sdE=9.7
fwE=5.84
20210115T114255.0001.fits
SecZ=___
Focus=-5.111
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.917 -6.437 -1.978
T123=-110.3 19.4 23.0
ALT/AZ=___ ___
fwAVG=5.80
sdW=278.2
fwW=6.02
sdS=54.0
fwS=5.90
0 0 0 0 0 0 0 0 0

sdN=68.7
fwN=0.00
sdE=52.9
fwE=0.00
20210115T114321.0001.fits
SecZ=0.00
Focus=-5.111
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.917 -6.437 -1.978
T123=-110.3 19.5 23.1
ALT/AZ=0.0 0.0
sdW=17.9
fwW=0.00
sdS=11.6
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=137.3
fwN=0.00
sdE=11.5
20210115T114621.0001.fits
SecZ=1.12
Focus=-5.098
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.904 -6.424 -1.965
T123=-109.8 19.9 22.7
ALT/AZ=62.9 -21.8
sdW=22.7
fwE=6.70
fwW=1.19
sdS=13.3
fwS=6.31
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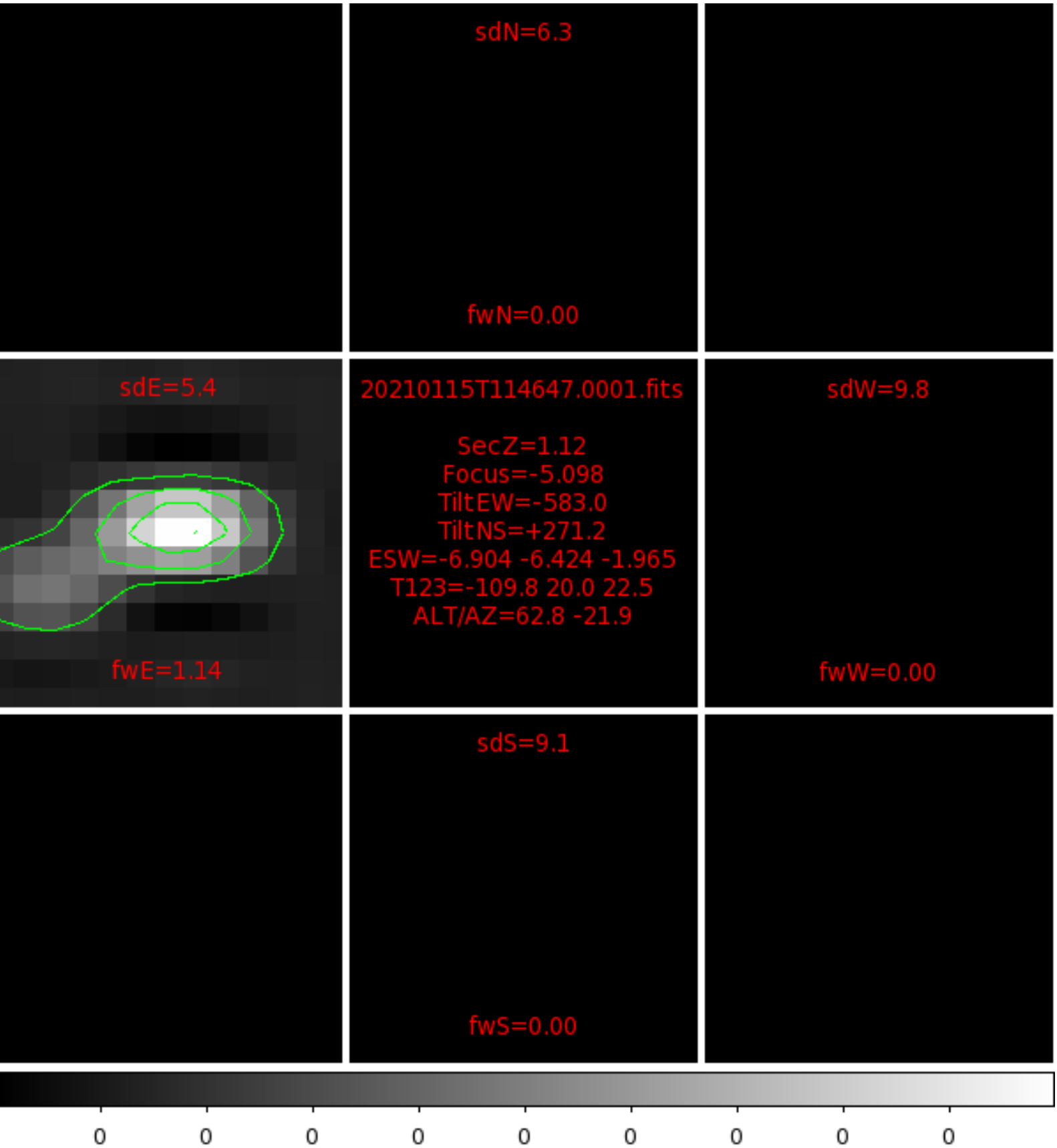
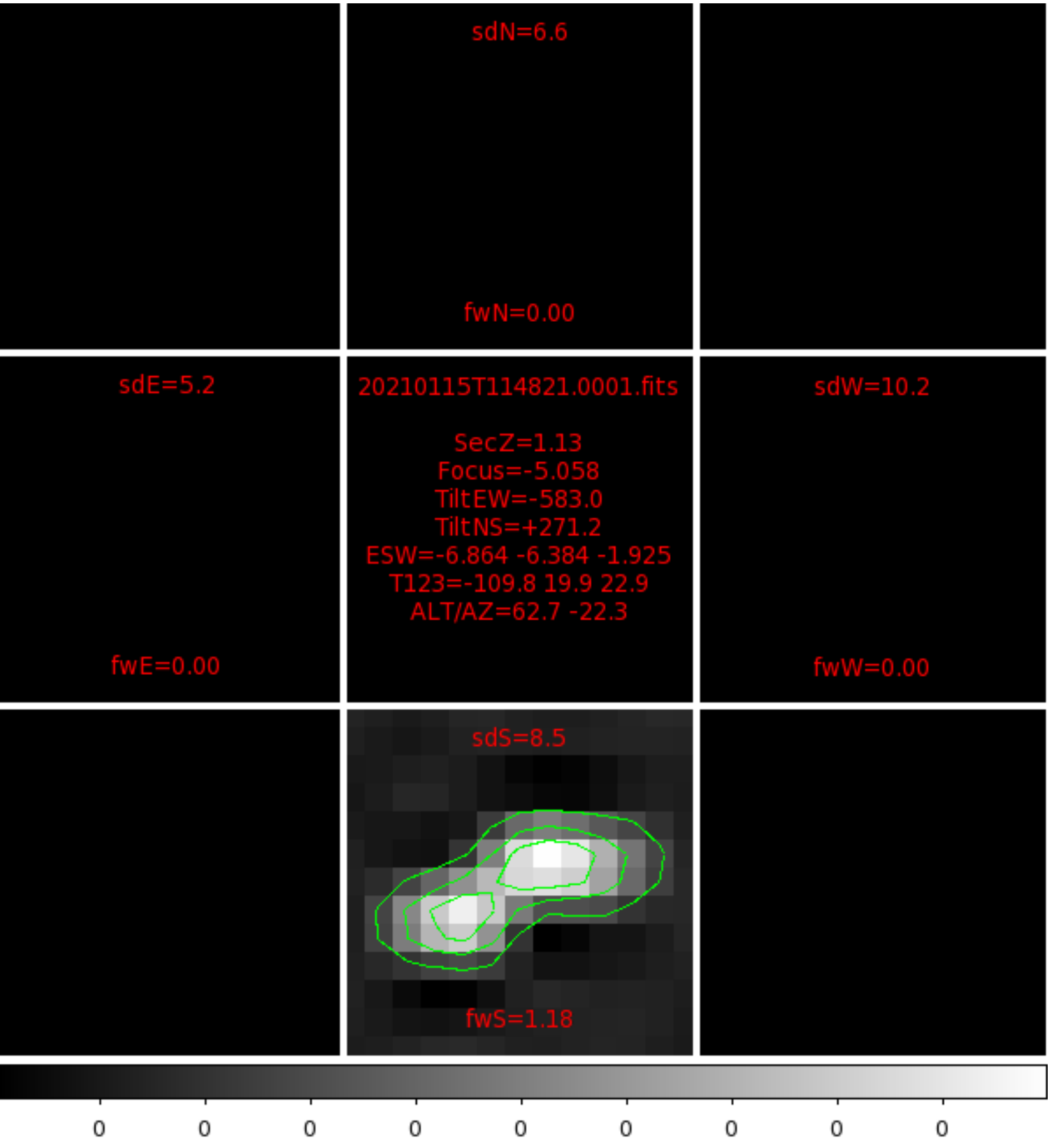
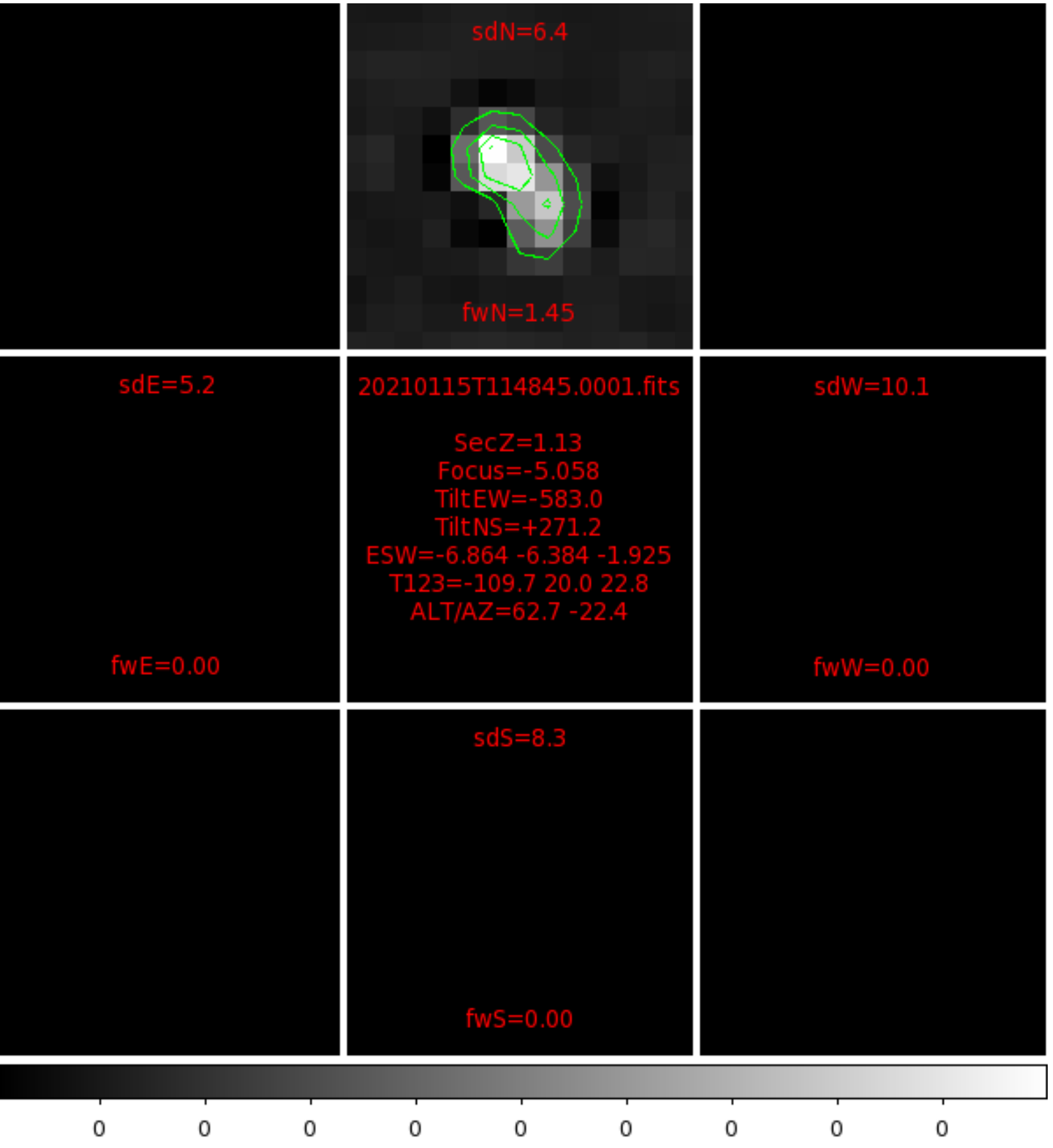

sdN=6.3
fwN=0.00
sdE=5.4
fwE=1.14
20210115T114647.0001.fits
SecZ=1.12
Focus=-5.098
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.904 -6.424 -1.965
T123=-109.8 20.0 22.5
ALT/AZ=62.8 -21.9
sdW=9.8
fwW=0.00
sdS=9.1
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=6.6
fwN=0.00
sdE=5.2
fwE=0.00
20210115T114821.0001.fits
SecZ=1.13
Focus=-5.058
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.864 -6.384 -1.925
T123=-109.8 19.9 22.9
ALT/AZ=62.7 -22.3
sdW=10.2
fwW=0.00
sdS=8.5
fwS=1.18
0 0 0 0 0 0 0 0 0


sdN=6.4
fwN=1.45
sdE=5.2
fwE=0.00
20210115T114845.0001.fits
SecZ=1.13
Focus=-5.058
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.864 -6.384 -1.925
T123=-109.7 20.0 22.8
ALT/AZ=62.7 -22.4
sdW=10.1
fwW=0.00
sdS=8.3
fwS=0.00
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sdN=6.7
fwN=0.00
sdE=6.1
20210115T115033.0001.fits
SecZ=1.13
Focus=-5.078
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.884 -6.404 -1.945
T123=-109.7 19.9 22.5
ALT/AZ=62.5 -22.9
sdW=10.2
fwE=0.00
fwW=0.00
sdS=9.9
fwS=0.00
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sdN=6.6
fwN=0.00
sdE=5.4
fwE=0.00
20210115T115056.0001.fits
SecZ=1.13
Focus=-5.078
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.884 -6.404 -1.945
T123=-109.7 19.9 22.6
ALT/AZ=62.5 -23.0
sdW=10.3
fwW=0.00
sdS=8.5
fwS=0.00
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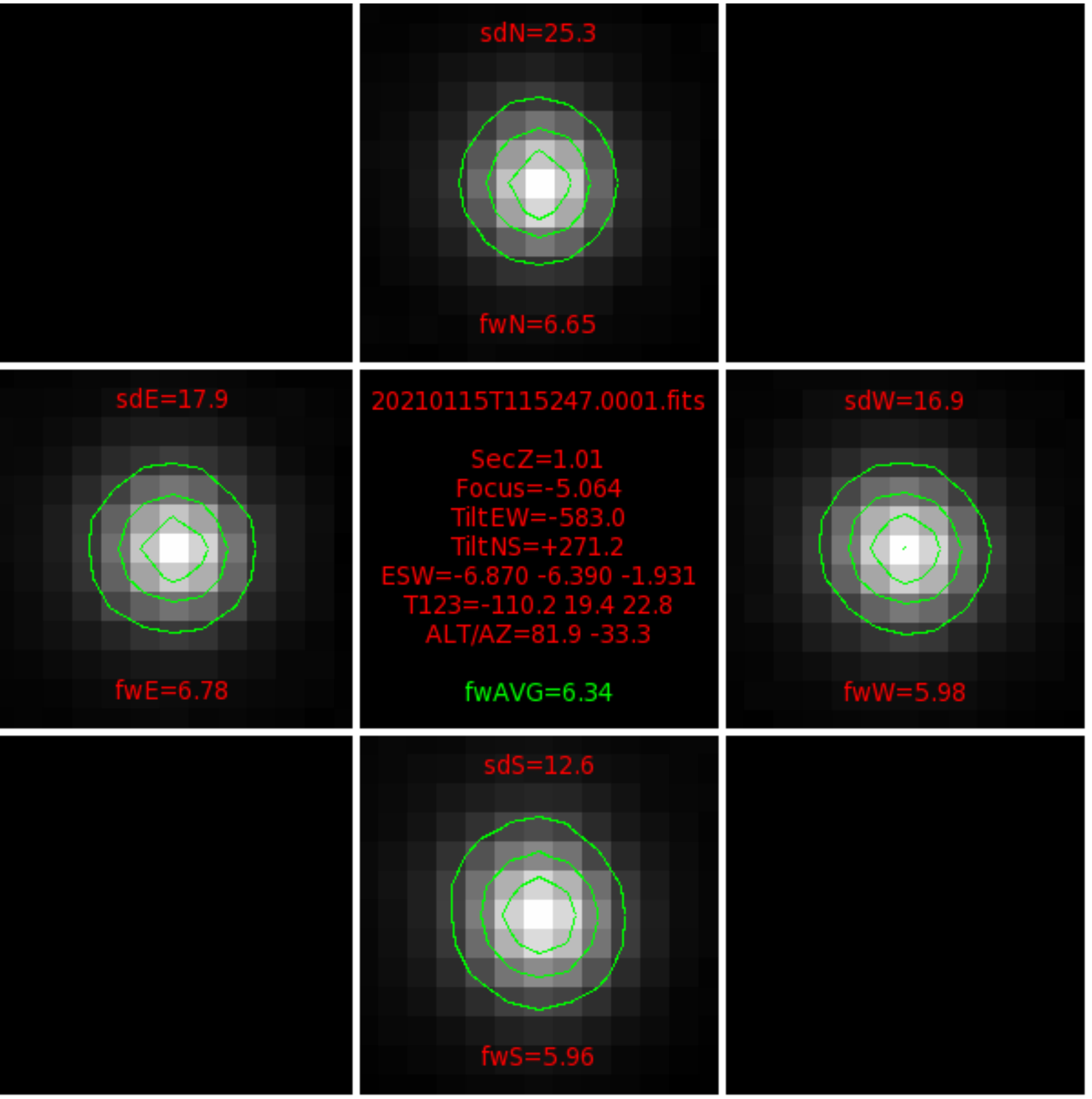
sdN=25.3
fwN=6.65
sdE=17.9
fwE=6.78
20210115T115247.0001.fits
SecZ=1.01
Focus=-5.064
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.870 -6.390 -1.931
T123=-110.2 19.4 22.8
ALT/AZ=81.9 -33.3
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sdW=16.9
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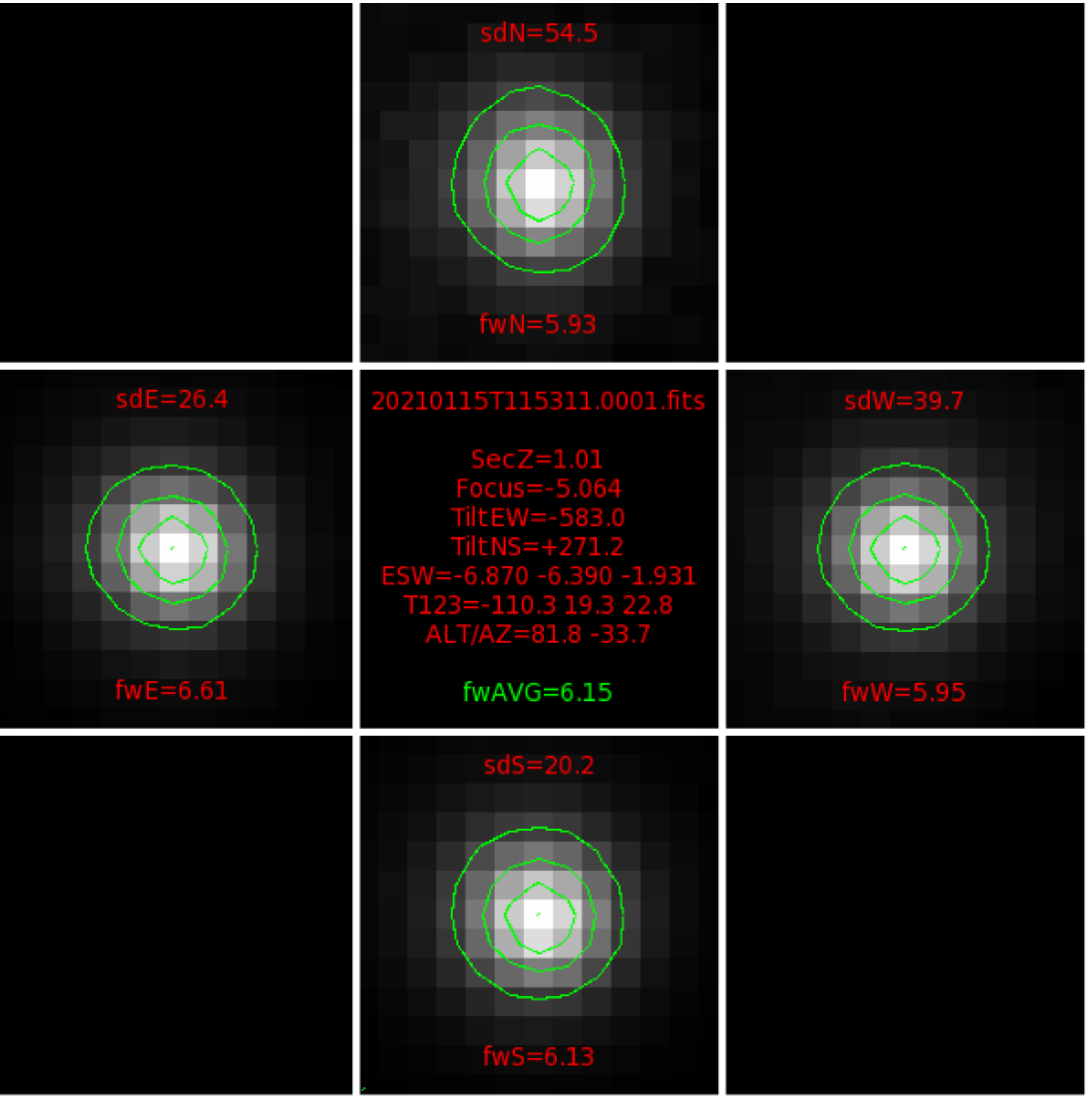
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sdE=26.4
fwE=6.61
20210115T115311.0001.fits
SecZ=1.01
Focus=-5.064
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.870 -6.390 -1.931
T123=-110.3 19.3 22.8
ALT/AZ=81.8 -33.7
fwAVG=6.15
sdW=39.7
fwW=5.95
sdS=20.2
fwS=6.13
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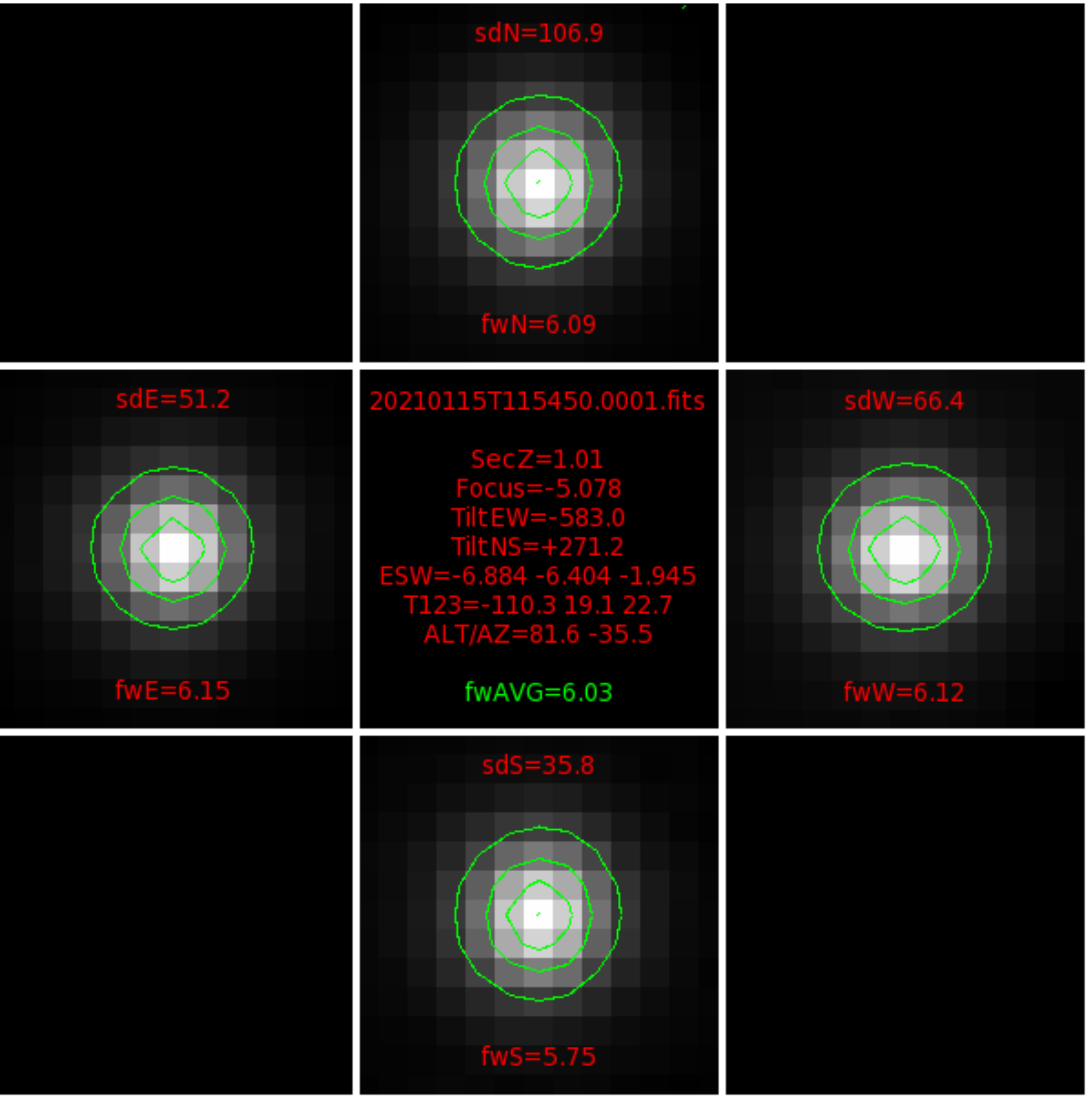
sdN=106.9
fwN=6.09
sdE=51.2
fwE=6.15
20210115T115450.0001.fits
SecZ=1.01
Focus=-5.078
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.884 -6.404 -1.945
T123=-110.3 19.1 22.7
ALT/AZ=81.6 -35.5
fwAVG=6.03
sdW=66.4
fwW=6.12
sdS=35.8
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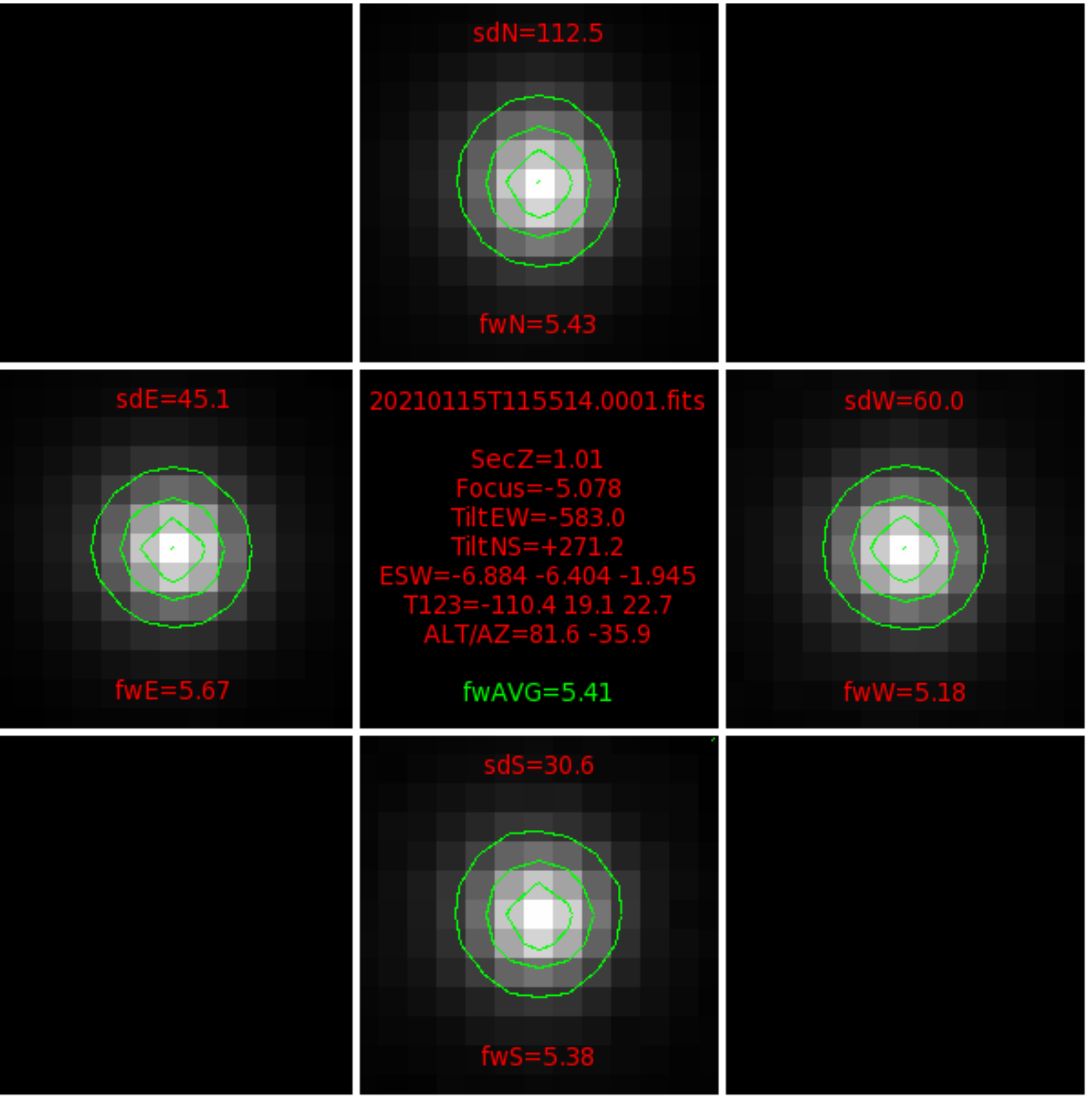
sdN=112.5
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sdE=45.1
fwE=5.67
20210115T115514.0001.fits
SecZ=1.01
Focus=-5.078
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.884 -6.404 -1.945
T123=-110.4 19.1 22.7
ALT/AZ=81.6 -35.9
fwAVG=5.41
sdW=60.0
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sdS=30.6
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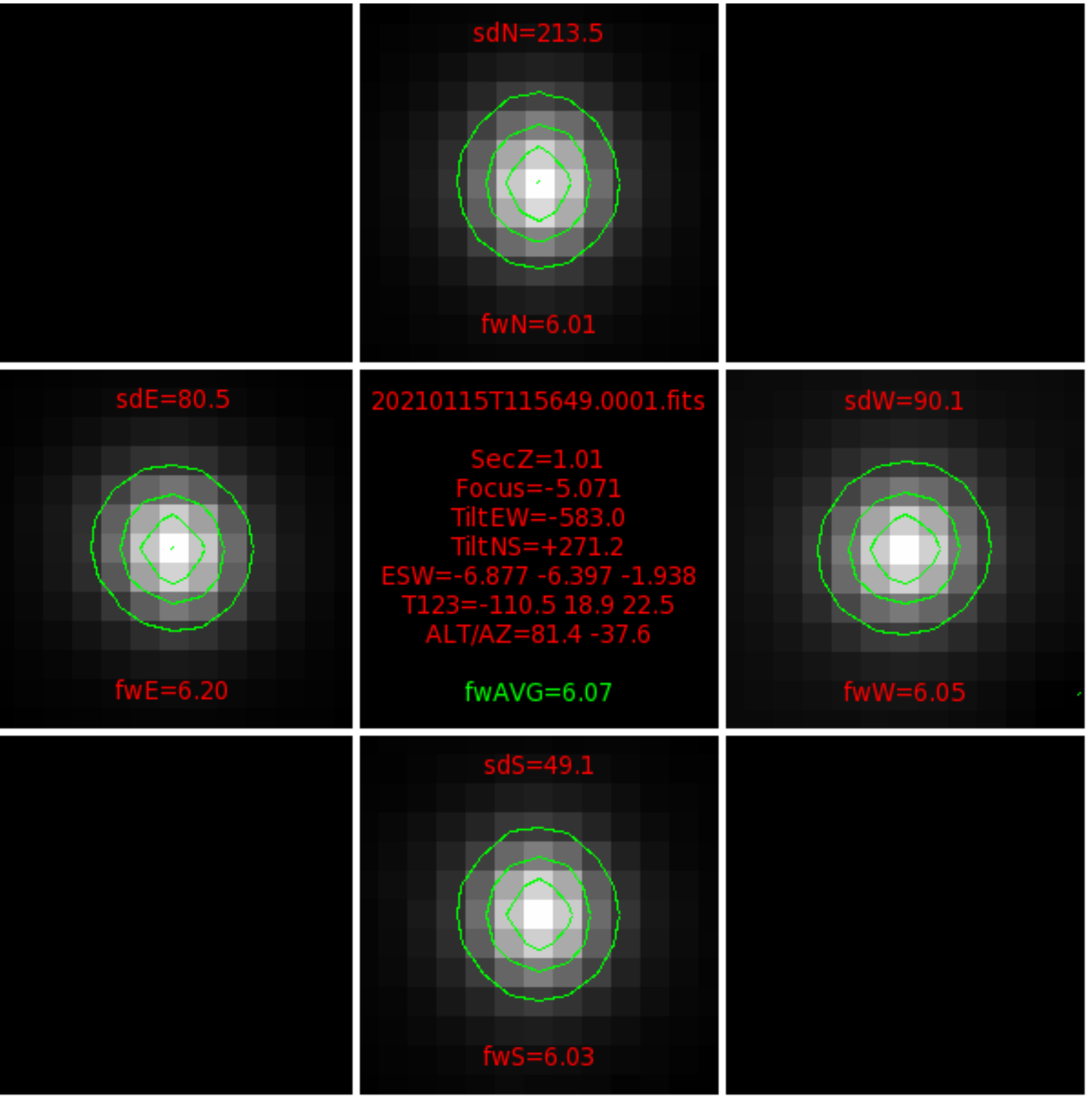
sdN=213.5
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sdE=80.5
fwE=6.20
20210115T115649.0001.fits
SecZ=1.01
Focus=-5.071
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.877 -6.397 -1.938
T123=-110.5 18.9 22.5
ALT/AZ=81.4 -37.6
fwAVG=6.07
sdW=90.1
fwW=6.05
sdS=49.1
fwS=6.03
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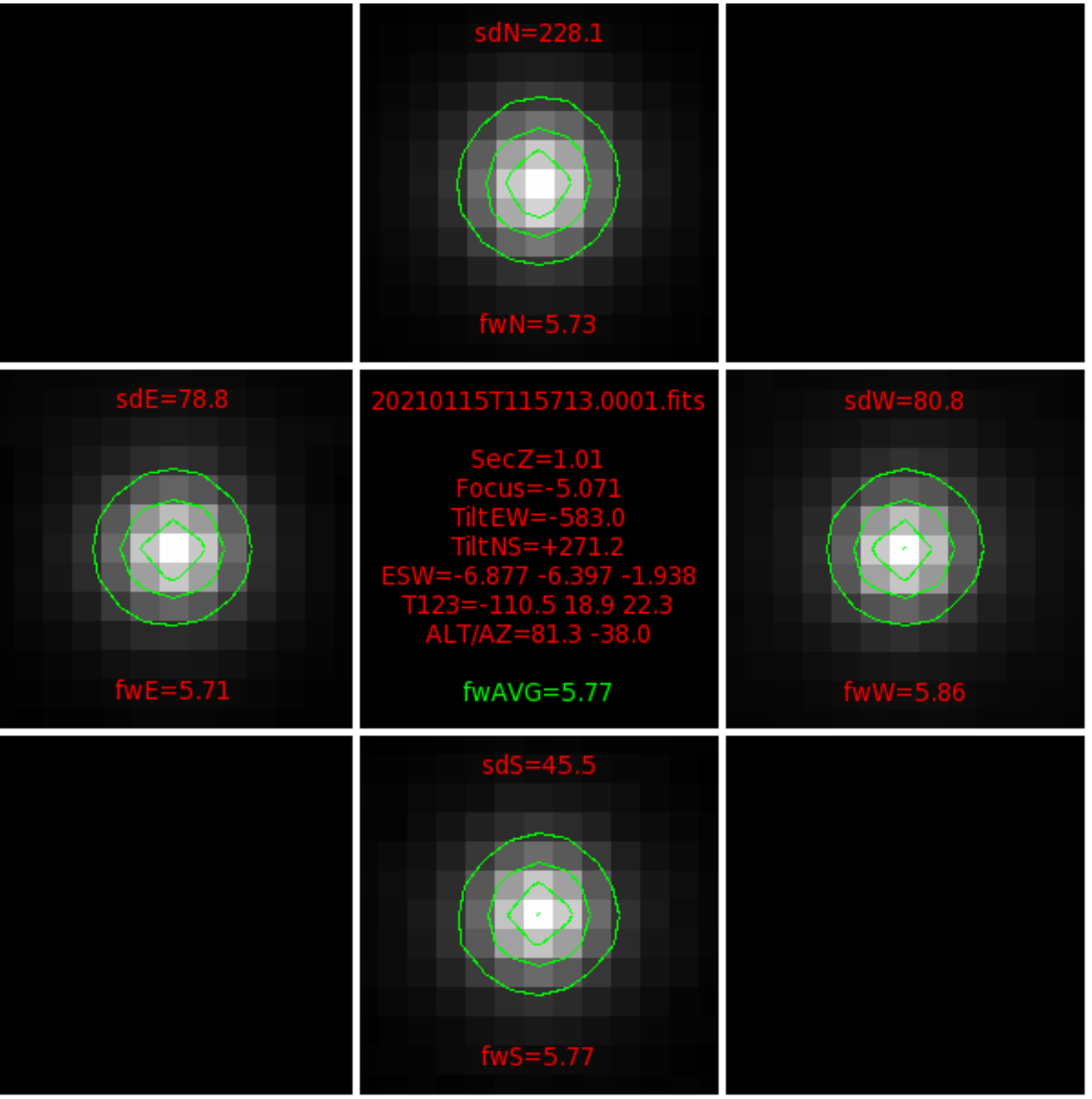
sdN=228.1
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sdE=78.8
fwE=5.71
20210115T115713.0001.fits
SecZ=1.01
Focus=-5.071
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.877 -6.397 -1.938
T123=-110.5 18.9 22.3
ALT/AZ=81.3 -38.0
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sdW=80.8
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sdS=45.5
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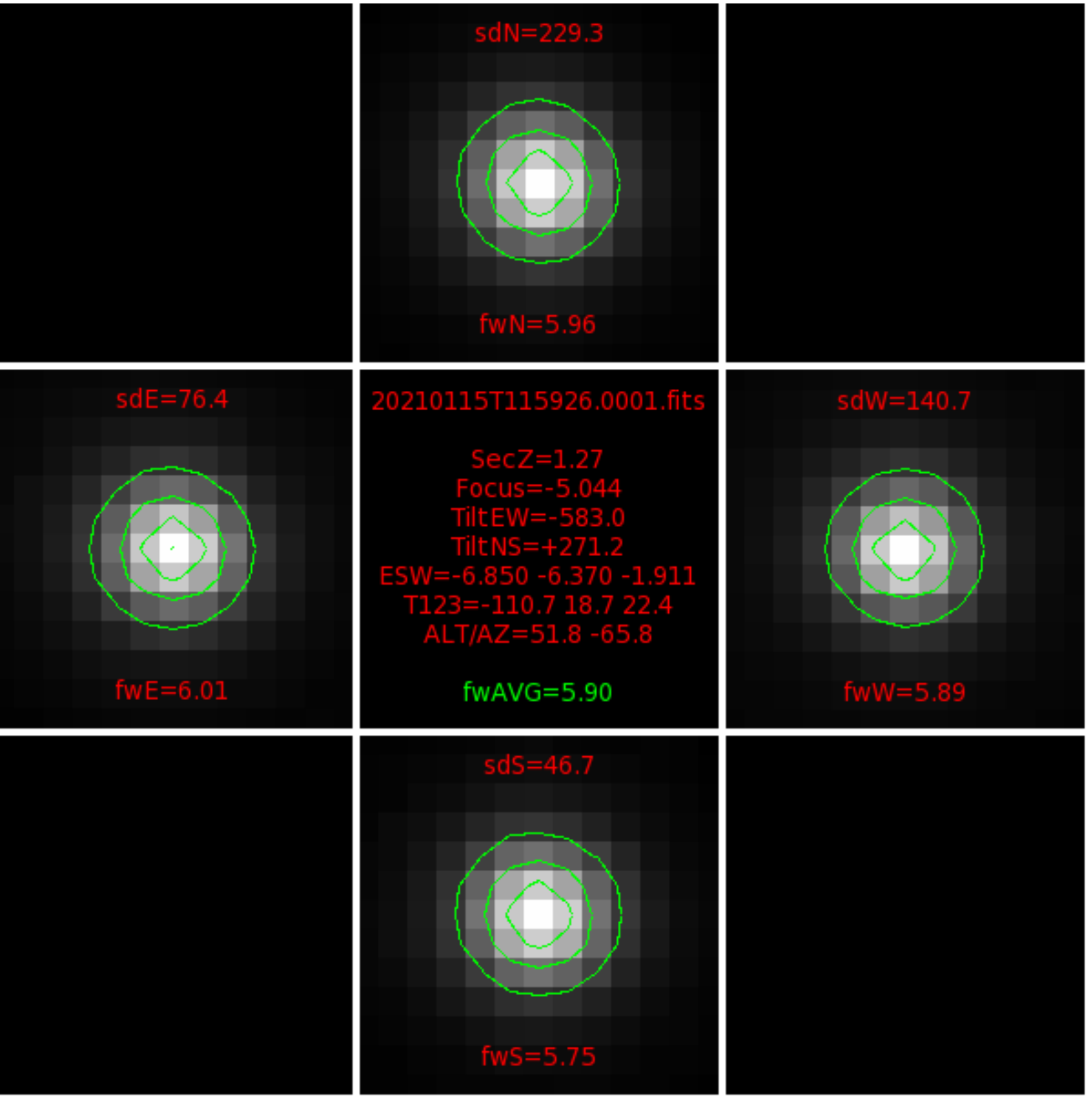
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fwE=6.01
20210115T115926.0001.fits
SecZ=1.27
Focus=-5.044
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.850 -6.370 -1.911
T123=-110.7 18.7 22.4
ALT/AZ=51.8 -65.8
fwAVG=5.90
sdW=140.7
fwW=5.89
sdS=46.7
fwS=5.75
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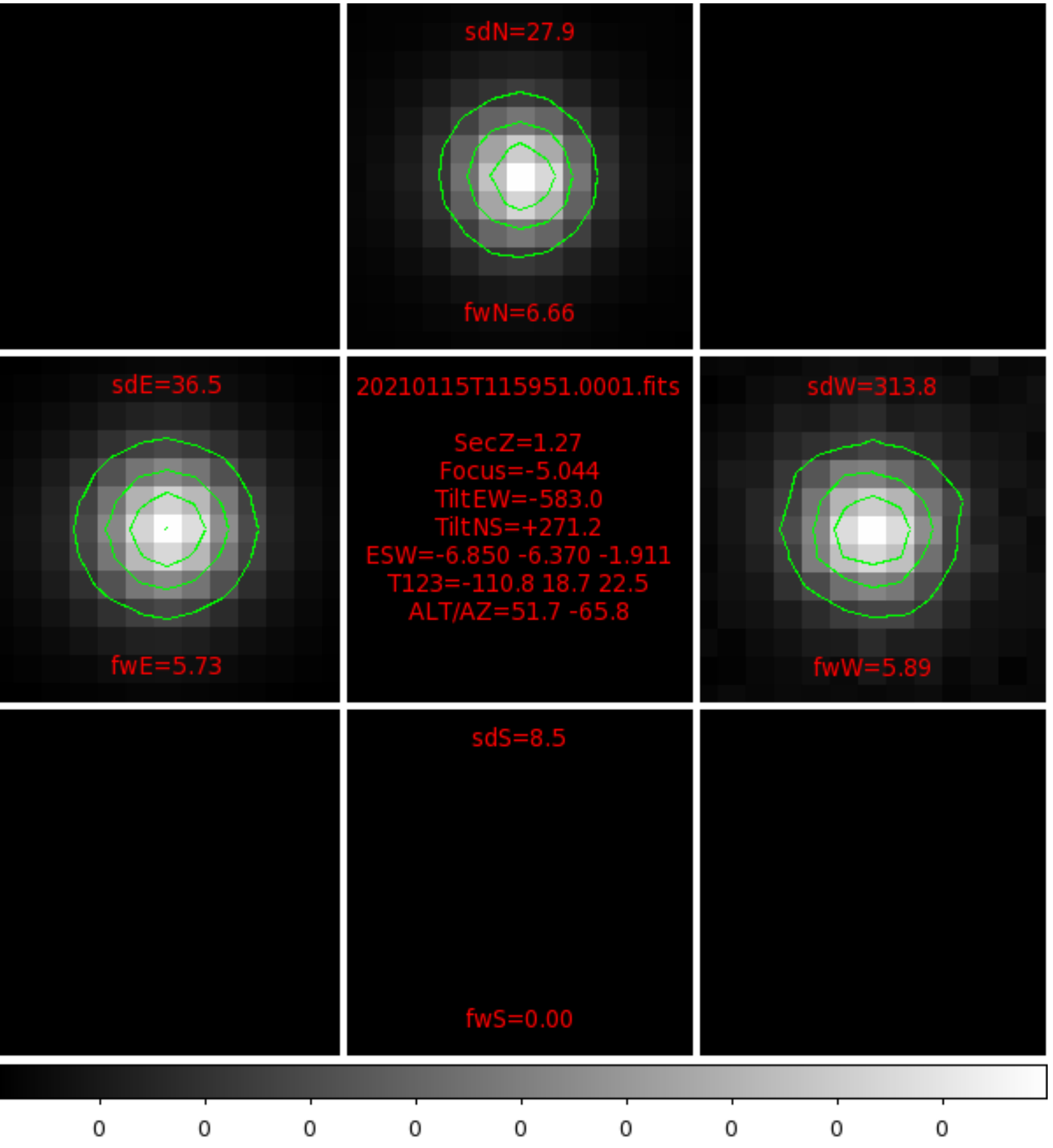
sdN=27.9
fwN=6.66
sdE=36.5
fwE=5.73
20210115T115951.0001.fits
SecZ=1.27
Focus=-5.044
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.850 -6.370 -1.911
T123=-110.8 18.7 22.5
ALT/AZ=51.7 -65.8
sdW=313.8
fwW=5.89
sdS=8.5
fwS=0.00
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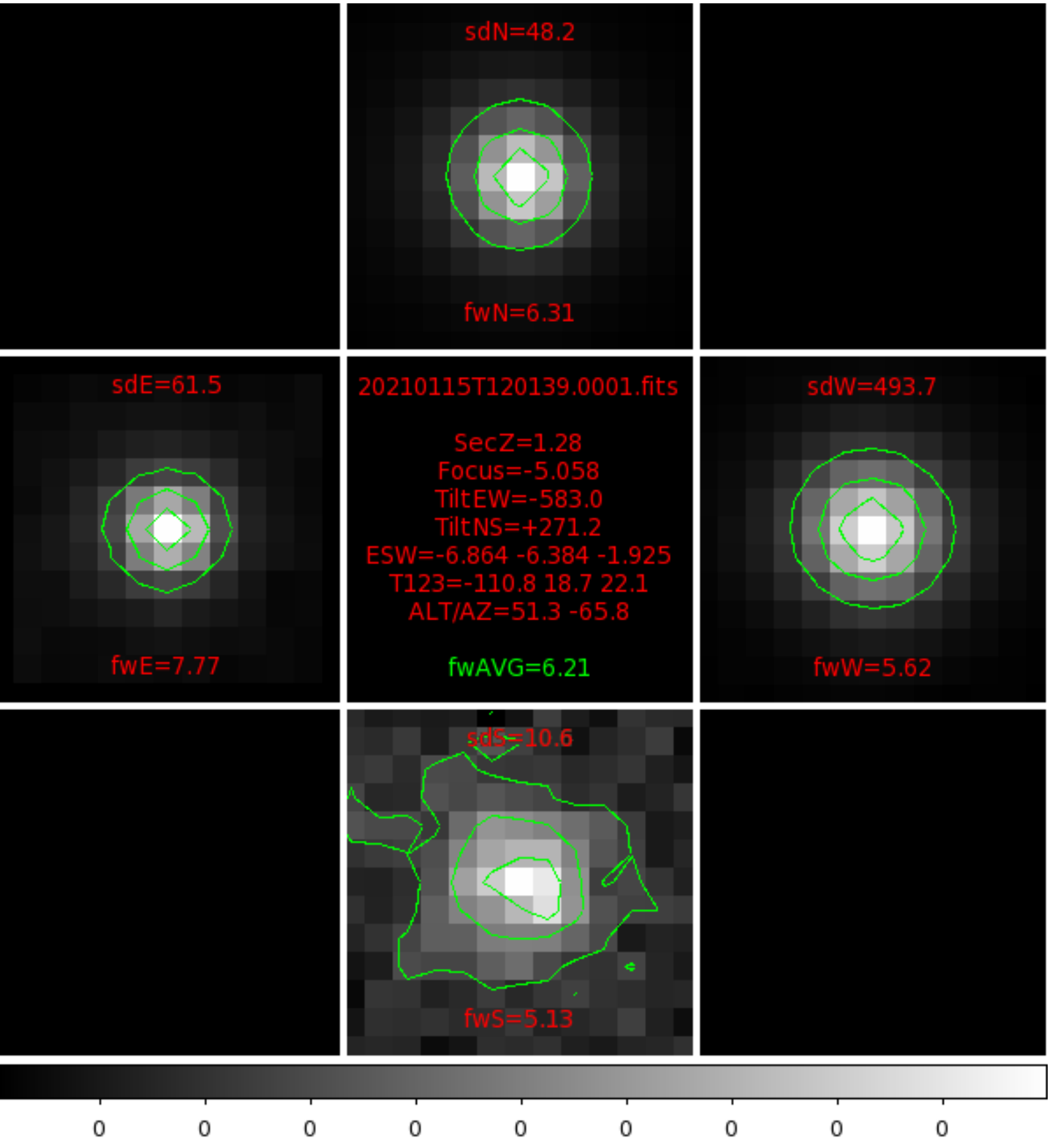
sdN=48.2
fwN=6.31
sdE=61.5
fwE=7.77
20210115T120139.0001.fits
SecZ=1.28
Focus=-5.058
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.864 -6.384 -1.925
T123=-110.8 18.7 22.1
ALT/AZ=51.3 -65.8
fwAVG=6.21
sdW=493.7
fwW=5.62
sdS=10.6
fwS=5.13
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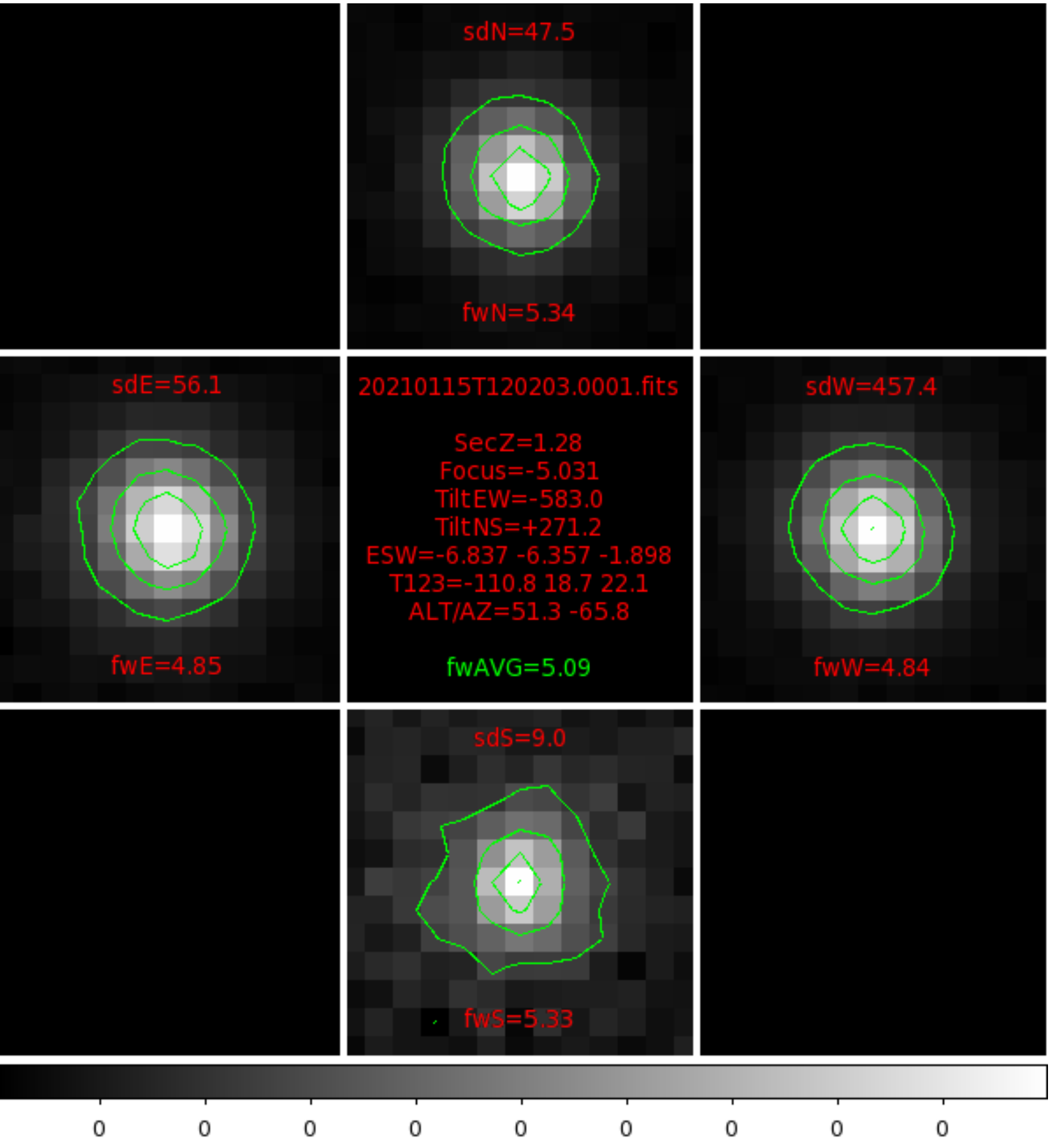
sdN=47.5
fwN=5.34
sdE=56.1
fwE=4.85
20210115T120203.0001.fits
SecZ=1.28
Focus=-5.031
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.837 -6.357 -1.898
T123=-110.8 18.7 22.1
ALT/AZ=51.3 -65.8
fwAVG=5.09
sdW=457.4
fwW=4.84
sdS=9.0
fwS=5.33
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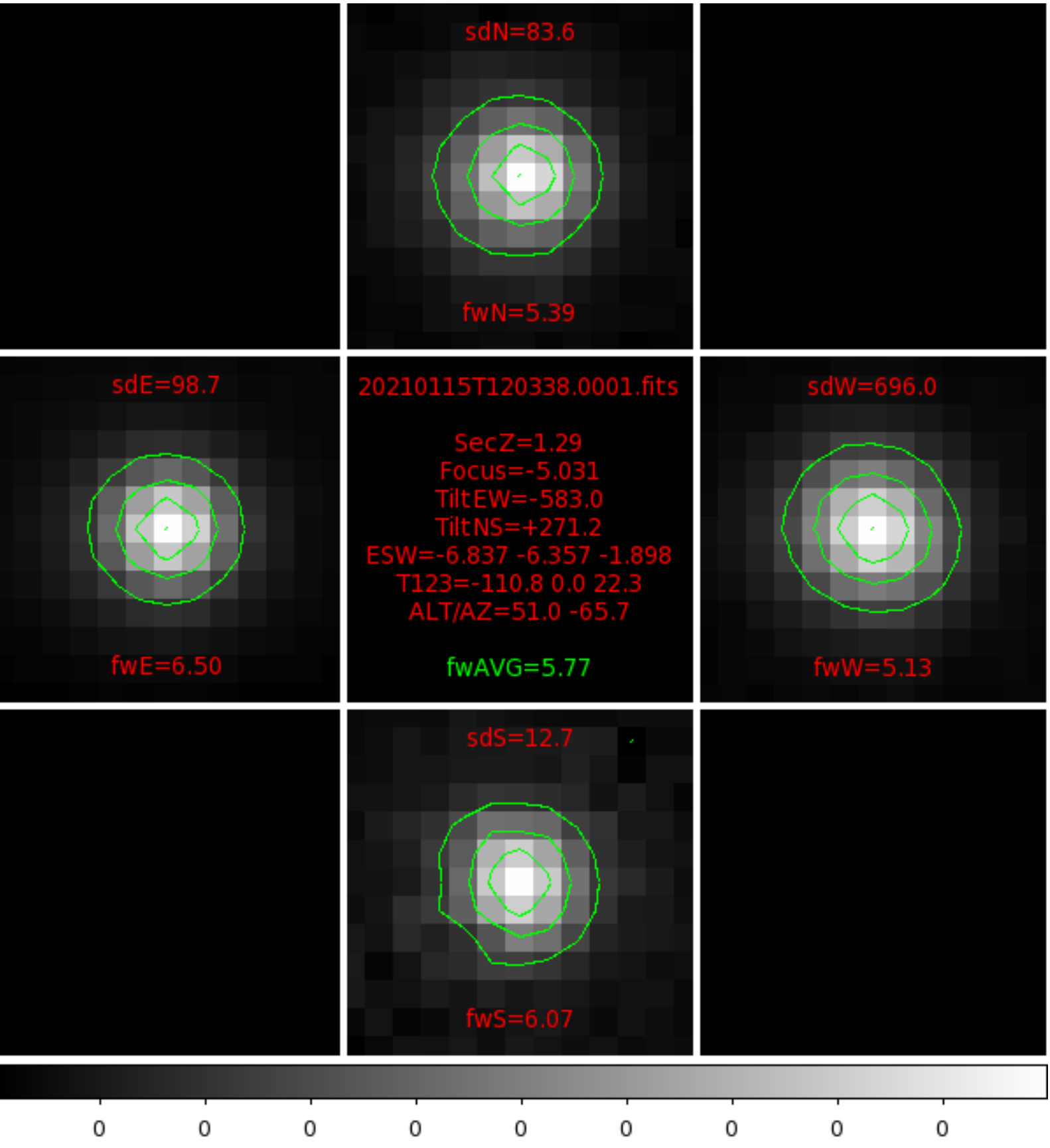
sdN=83.6
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sdE=98.7
fwE=6.50
20210115T120338.0001.fits
SecZ=1.29
Focus=-5.031
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.837 -6.357 -1.898
T123=-110.8 0.0 22.3
ALT/AZ=51.0 -65.7
fwAVG=5.77
sdW=696.0
fwW=5.13
sdS=12.7
fwS=6.07
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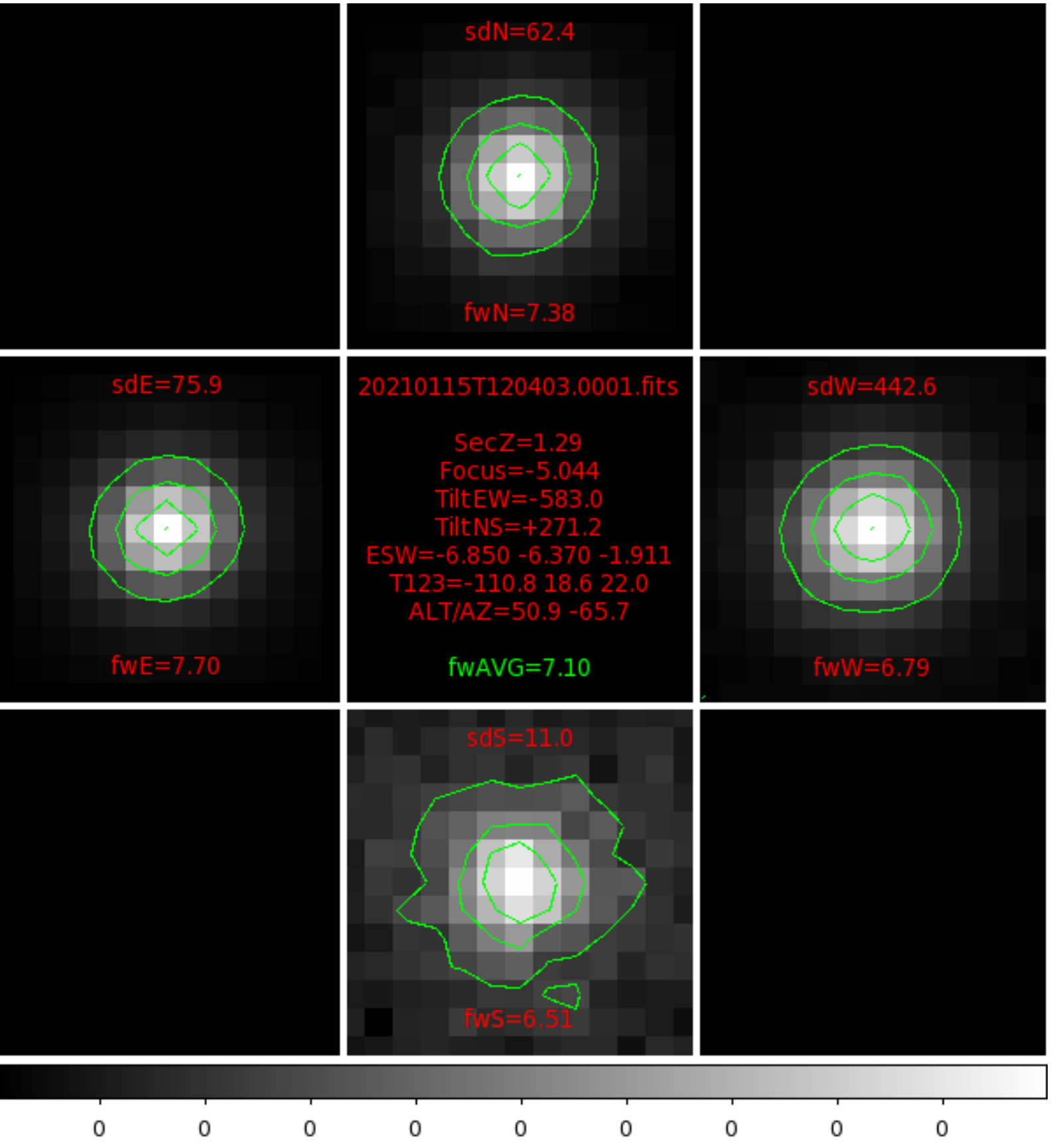
sdN=62.4
fwN=7.38
sdE=75.9
fwE=7.70
20210115T120403.0001.fits
SecZ=1.29
Focus=-5.044
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.850 -6.370 -1.911
T123=-110.8 18.6 22.0
ALT/AZ=50.9 -65.7
fwAVG=7.10
sdW=442.6
fwW=6.79
sdS=11.0
fwS=6.51
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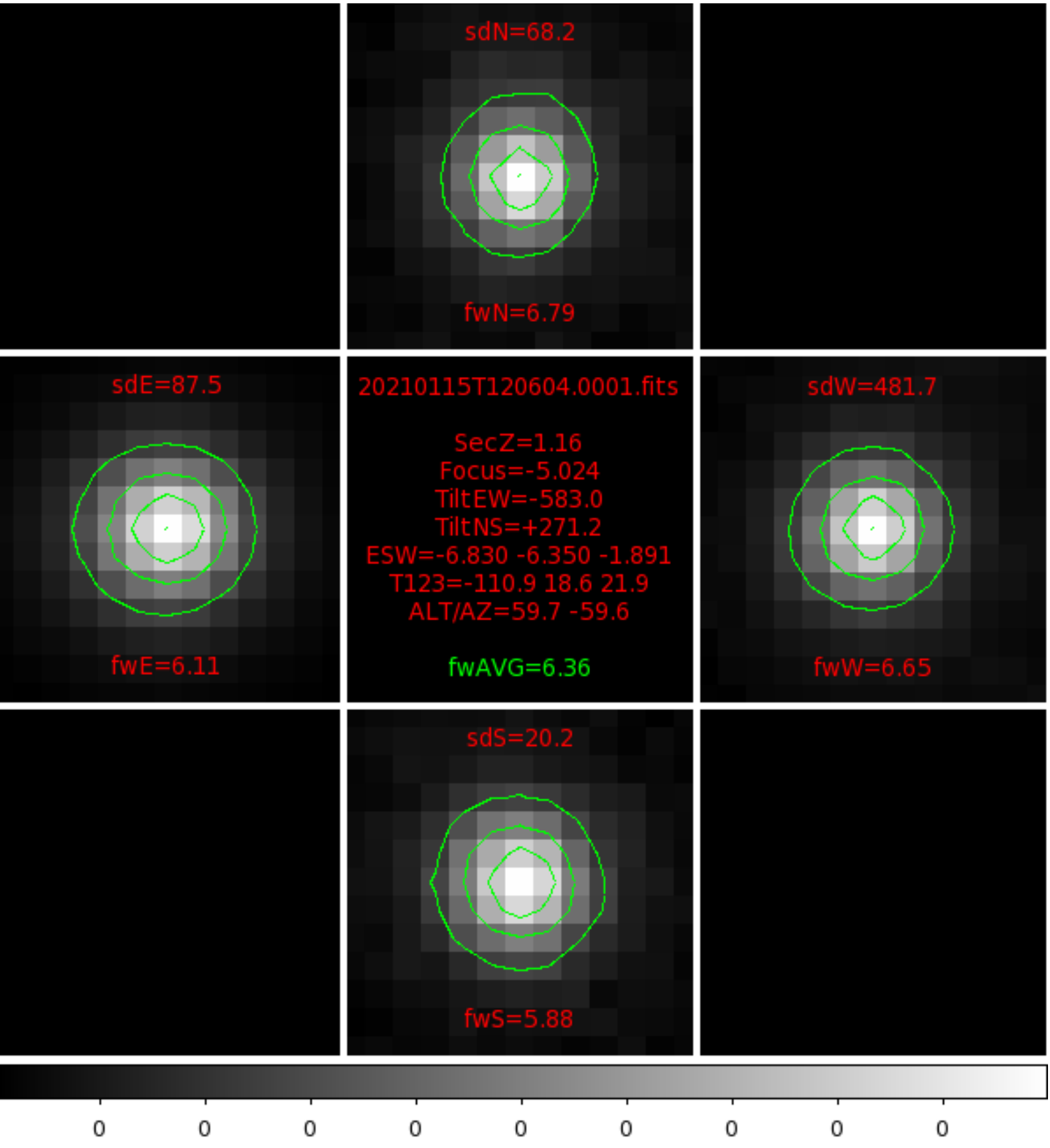
sdN=68.2
fwN=6.79
sdE=87.5
fwE=6.11
20210115T120604.0001.fits
SecZ=1.16
Focus=-5.024
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.830 -6.350 -1.891
T123=-110.9 18.6 21.9
ALT/AZ=59.7 -59.6
fwAVG=6.36
sdW=481.7
fwW=6.65
sdS=20.2
fwS=5.88
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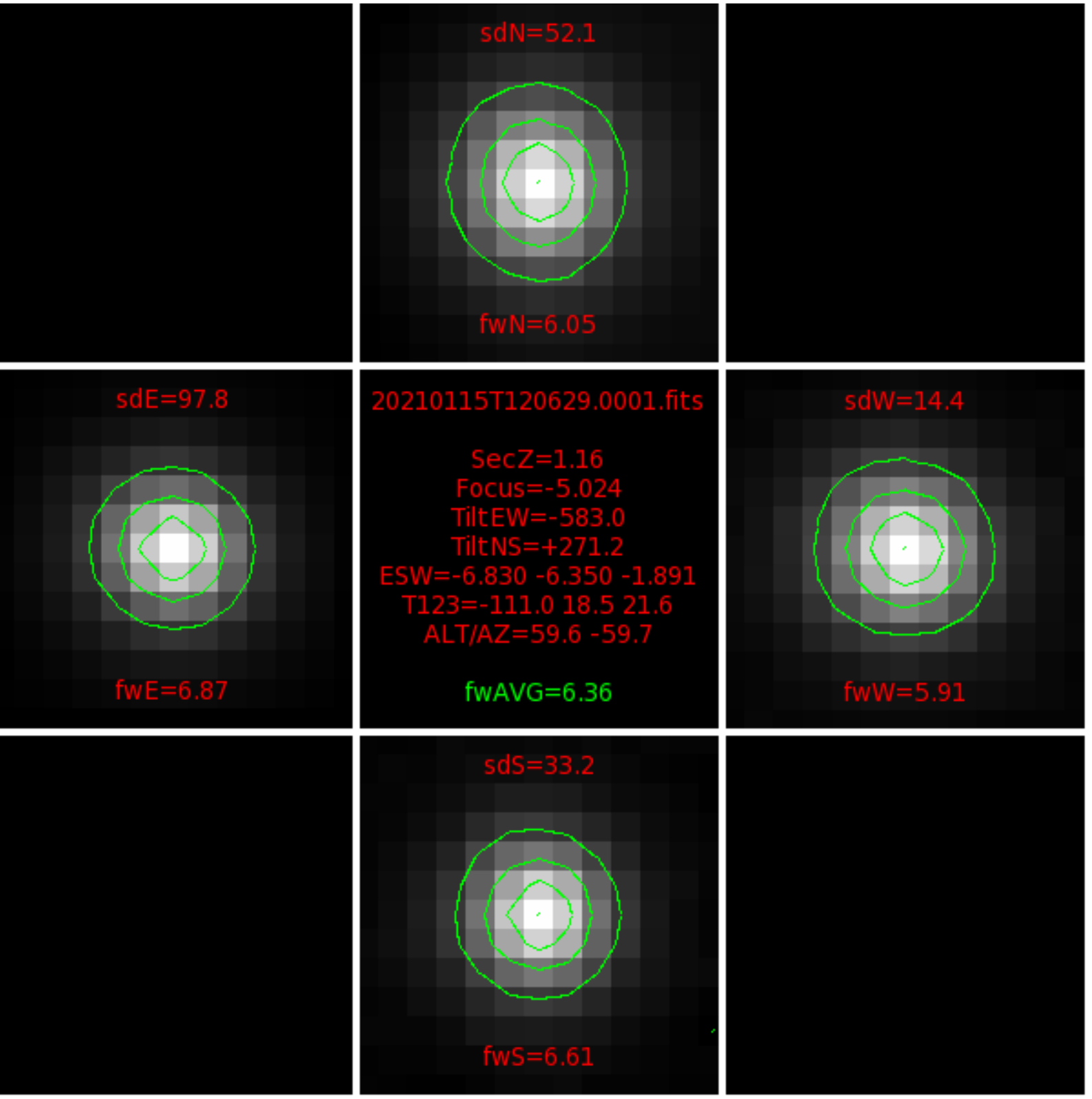
sdN=52.1
fwN=6.05
sdE=97.8
fwE=6.87
20210115T120629.0001.fits
SecZ=1.16
Focus=-5.024
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.830 -6.350 -1.891
T123=-111.0 18.5 21.6
ALT/AZ=59.6 -59.7
fwAVG=6.36
sdW=14.4
fwW=5.91
sdS=33.2
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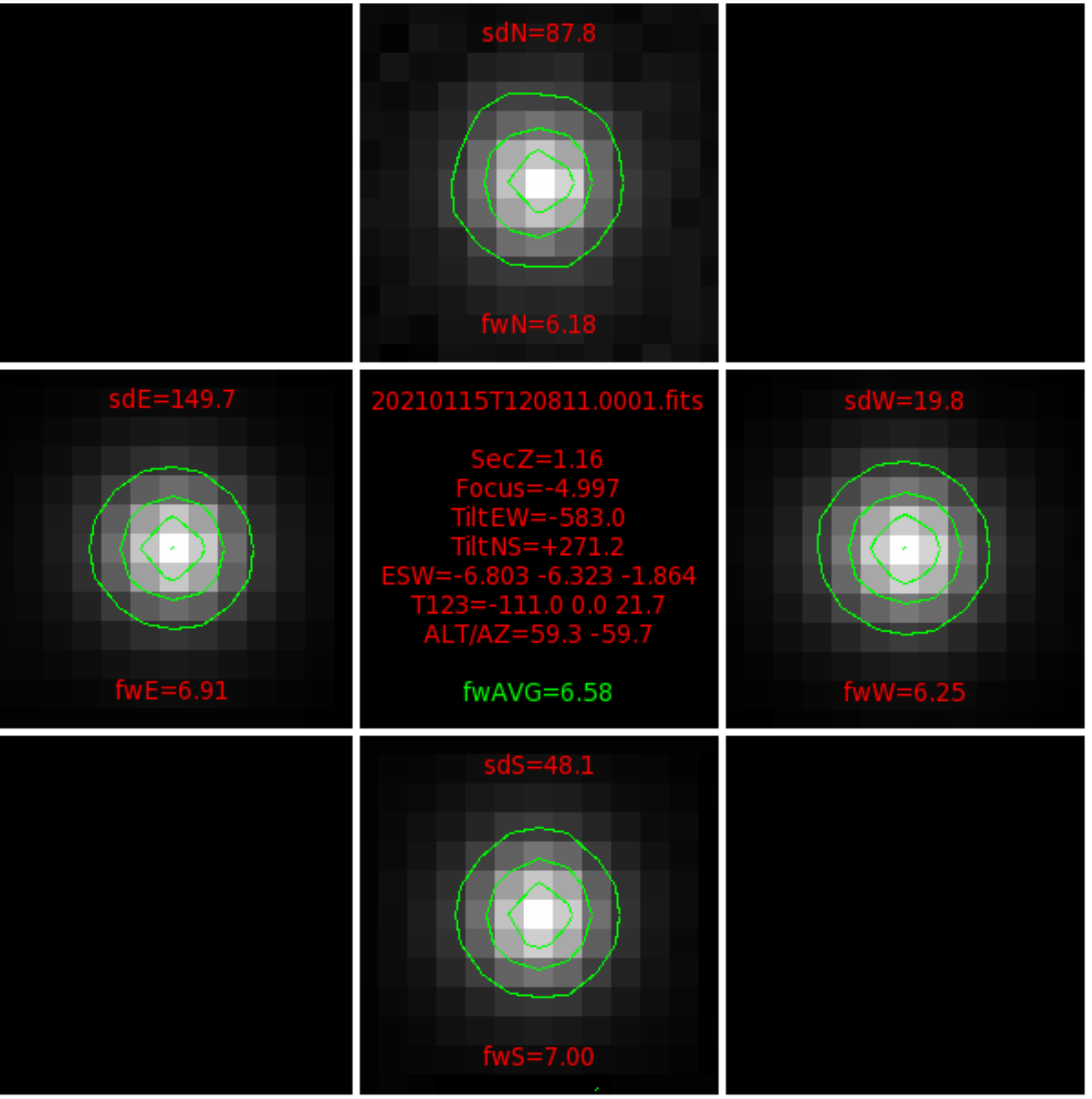
sdN=87.8
fwN=6.18
sdE=149.7
fwE=6.91
20210115T120811.0001.fits
SecZ=1.16
Focus=-4.997
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.803 -6.323 -1.864
T123=-111.0 0.0 21.7
ALT/AZ=59.3 -59.7
fwAVG=6.58
sdW=19.8
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sdS=48.1
fwS=7.00
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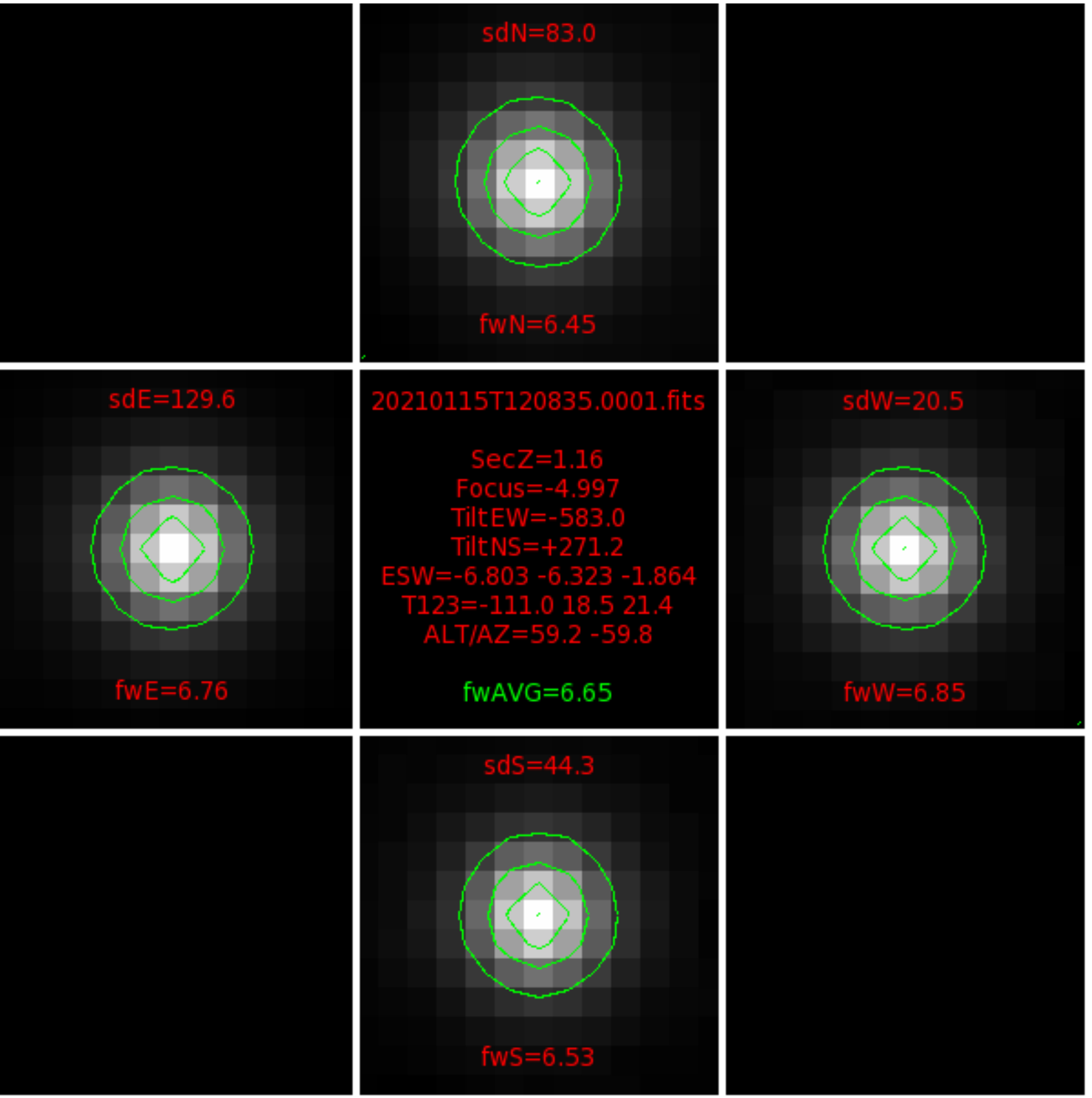
sdN=83.0
fwN=6.45
sdE=129.6
fwE=6.76
20210115T120835.0001.fits
SecZ=1.16
Focus=-4.997
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.803 -6.323 -1.864
T123=-111.0 18.5 21.4
ALT/AZ=59.2 -59.8
fwAVG=6.65
sdW=20.5
fwW=6.85
sdS=44.3
fwS=6.53
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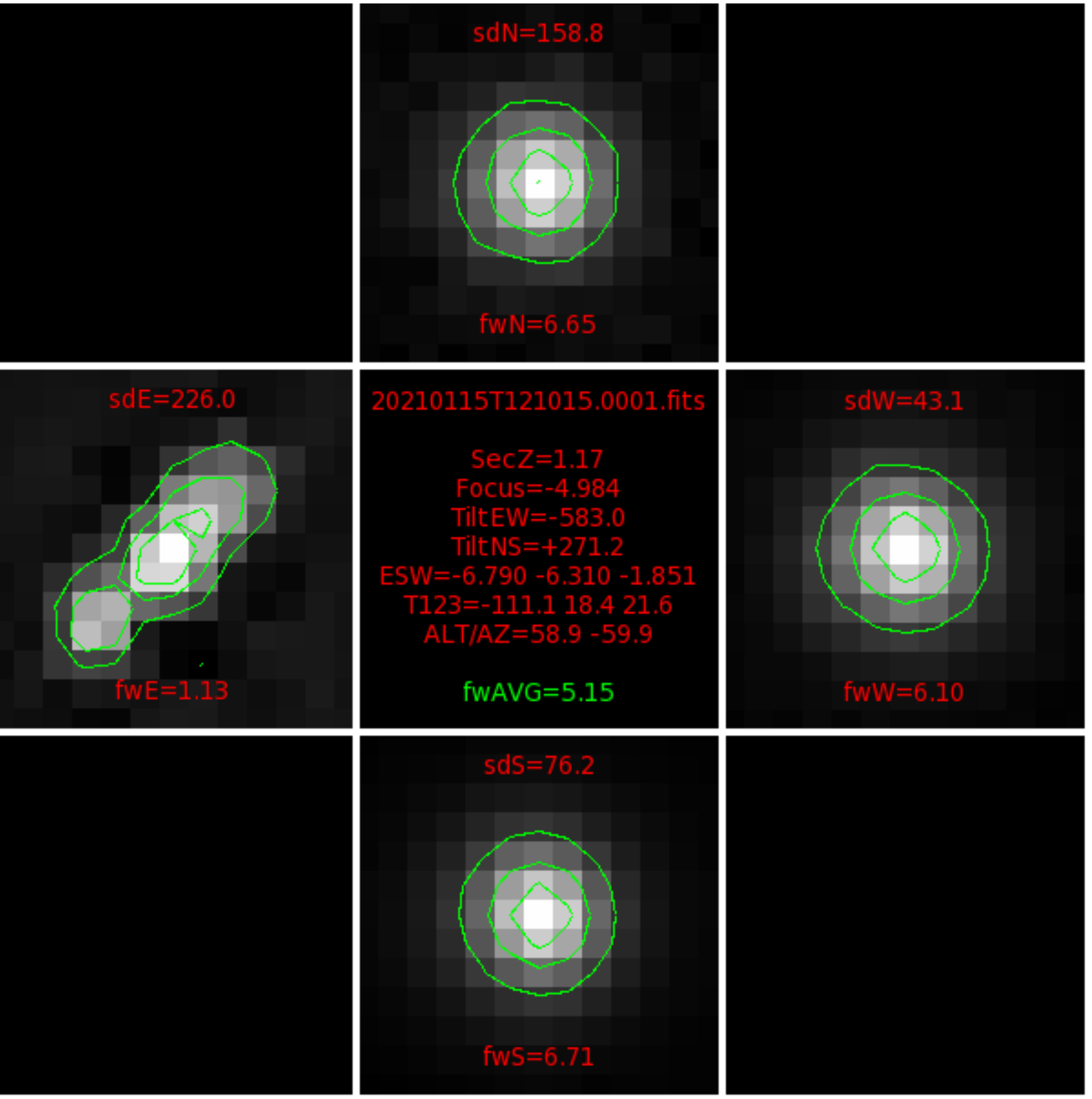
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sdE=226.0
fwE=1.13
20210115T121015.0001.fits
SecZ=1.17
Focus=-4.984
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.790 -6.310 -1.851
T123=-111.1 18.4 21.6
ALT/AZ=58.9 -59.9
fwAVG=5.15
sdW=43.1
fwW=6.10
sdS=76.2
fwS=6.71
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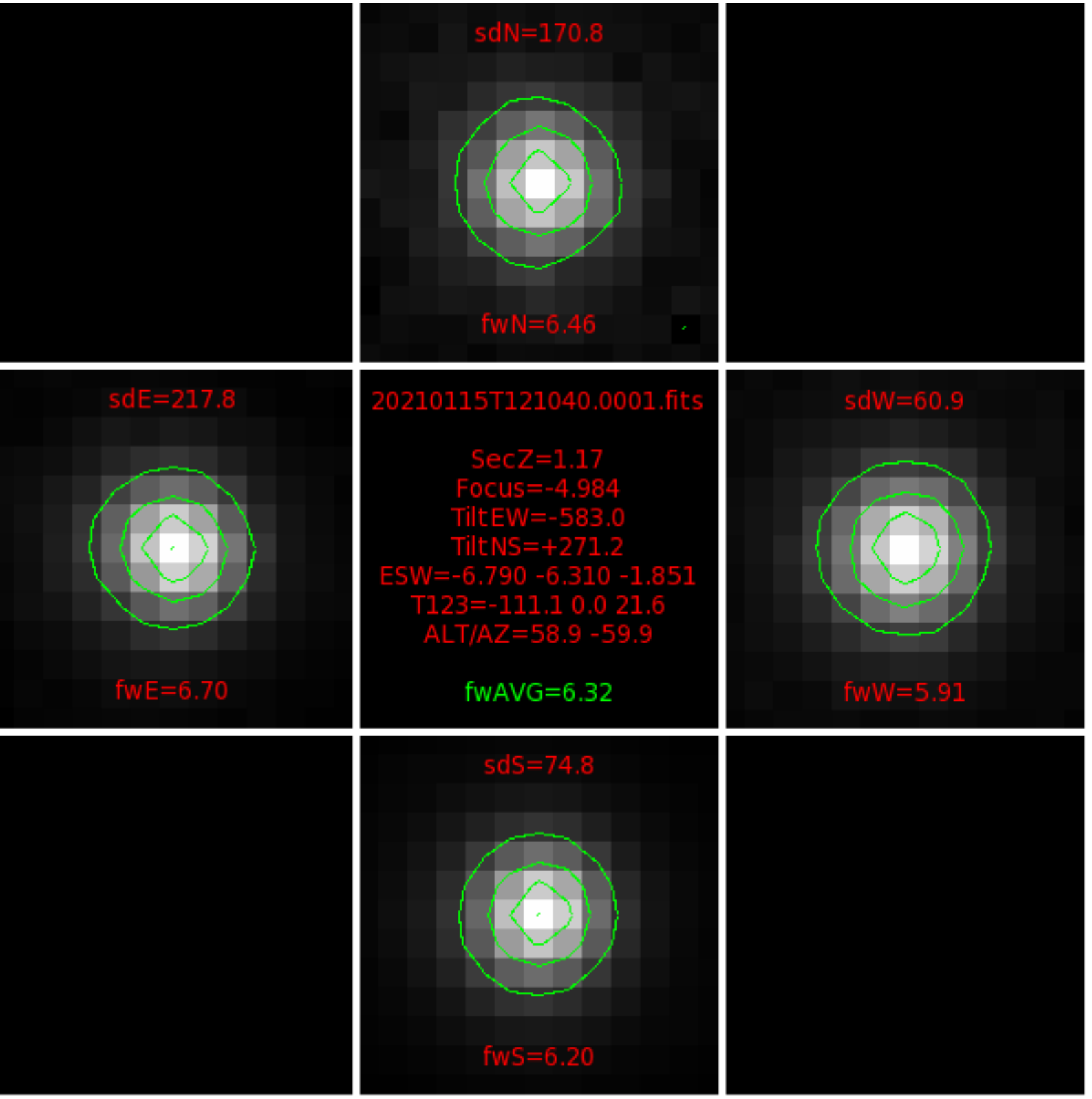
sdN=170.8
fwN=6.46
sdE=217.8
fwE=6.70
20210115T121040.0001.fits
SecZ=1.17
Focus=-4.984
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.790 -6.310 -1.851
T123=-111.1 0.0 21.6
ALT/AZ=58.9 -59.9
fwAVG=6.32
sdW=60.9
fwW=5.91
sdS=74.8
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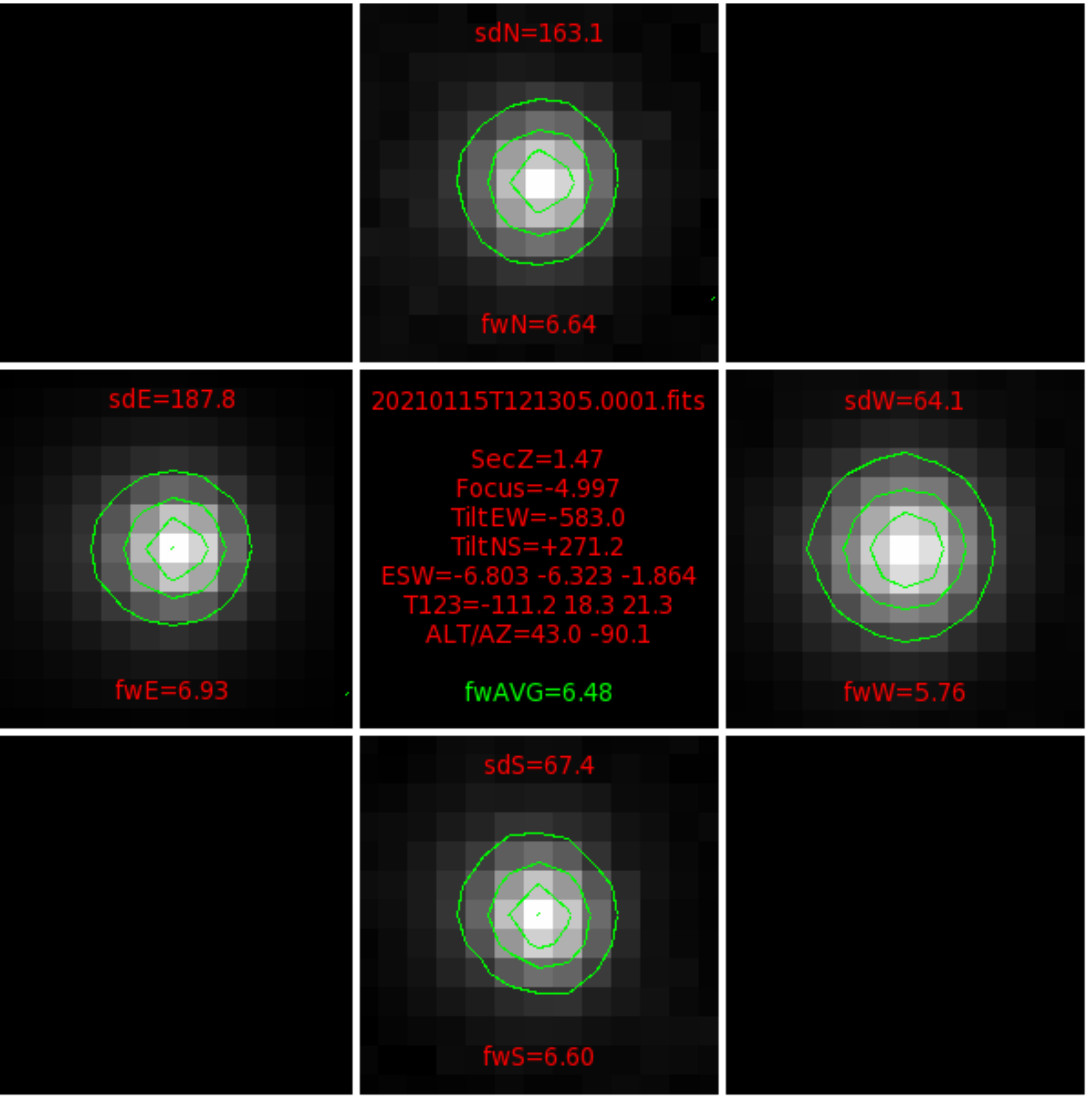
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fwN=6.64
sdE=187.8
fwE=6.93
20210115T121305.0001.fits
SecZ=1.47
Focus=-4.997
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.803 -6.323 -1.864
T123=-111.2 18.3 21.3
ALT/AZ=43.0 -90.1
fwAVG=6.48
sdW=64.1
fwW=5.76
sdS=67.4
fwS=6.60
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sdN=15.0
fwN=7.49
sdE=6.0
fwE=0.00
20210115T121330.0001.fits
SecZ=1.47
Focus=-4.997
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.803 -6.323 -1.864
T123=-111.2 0.0 21.3
ALT/AZ=43.0 -90.1
sdW=13.6
fwW=0.00
sdS=8.5
fwS=0.00
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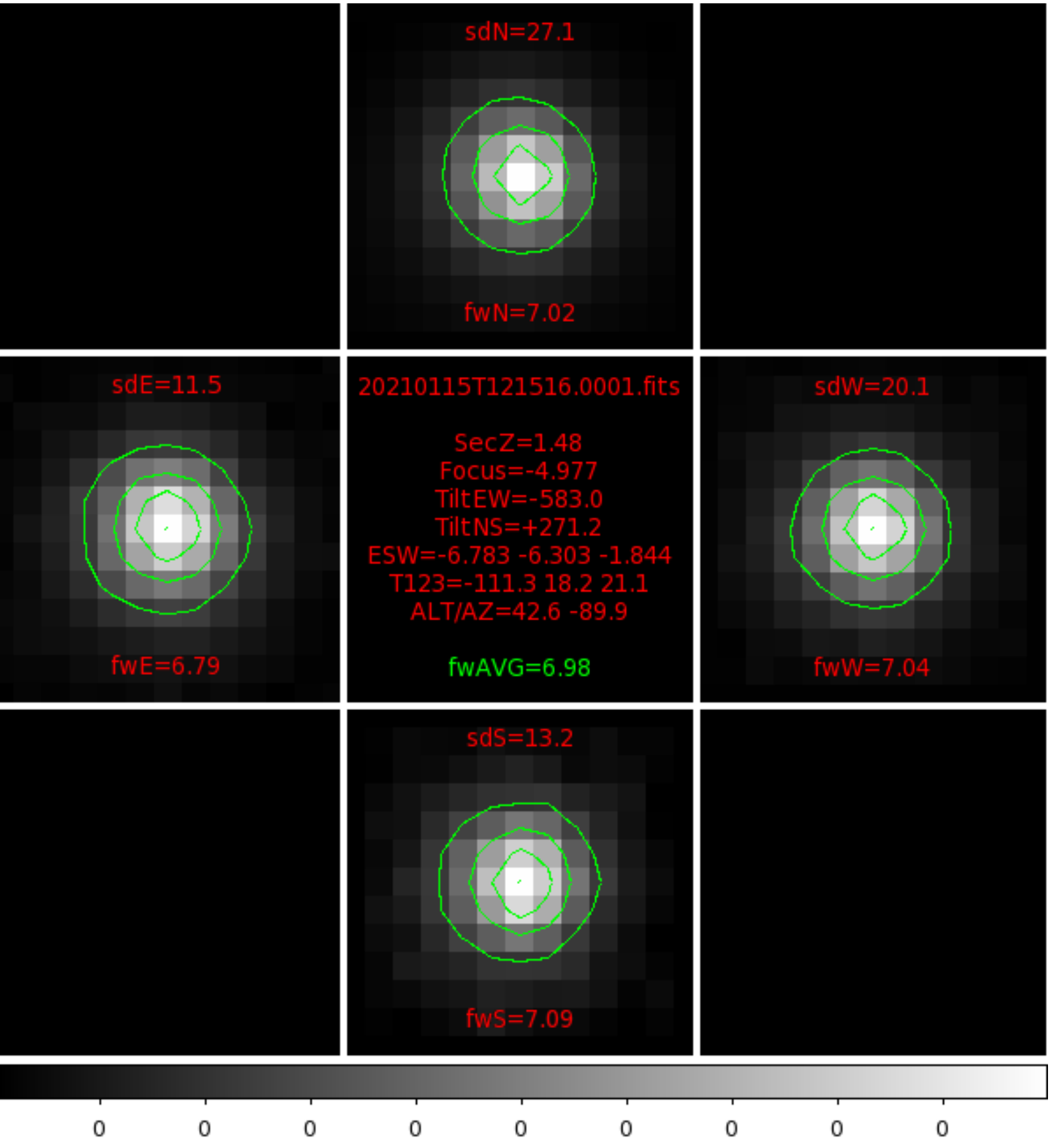
sdN=27.1
fwN=7.02
sdE=11.5
fwE=6.79
20210115T121516.0001.fits
SecZ=1.48
Focus=-4.977
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.783 -6.303 -1.844
T123=-111.3 18.2 21.1
ALT/AZ=42.6 -89.9
fwAVG=6.98
sdW=20.1
fwW=7.04
sdS=13.2
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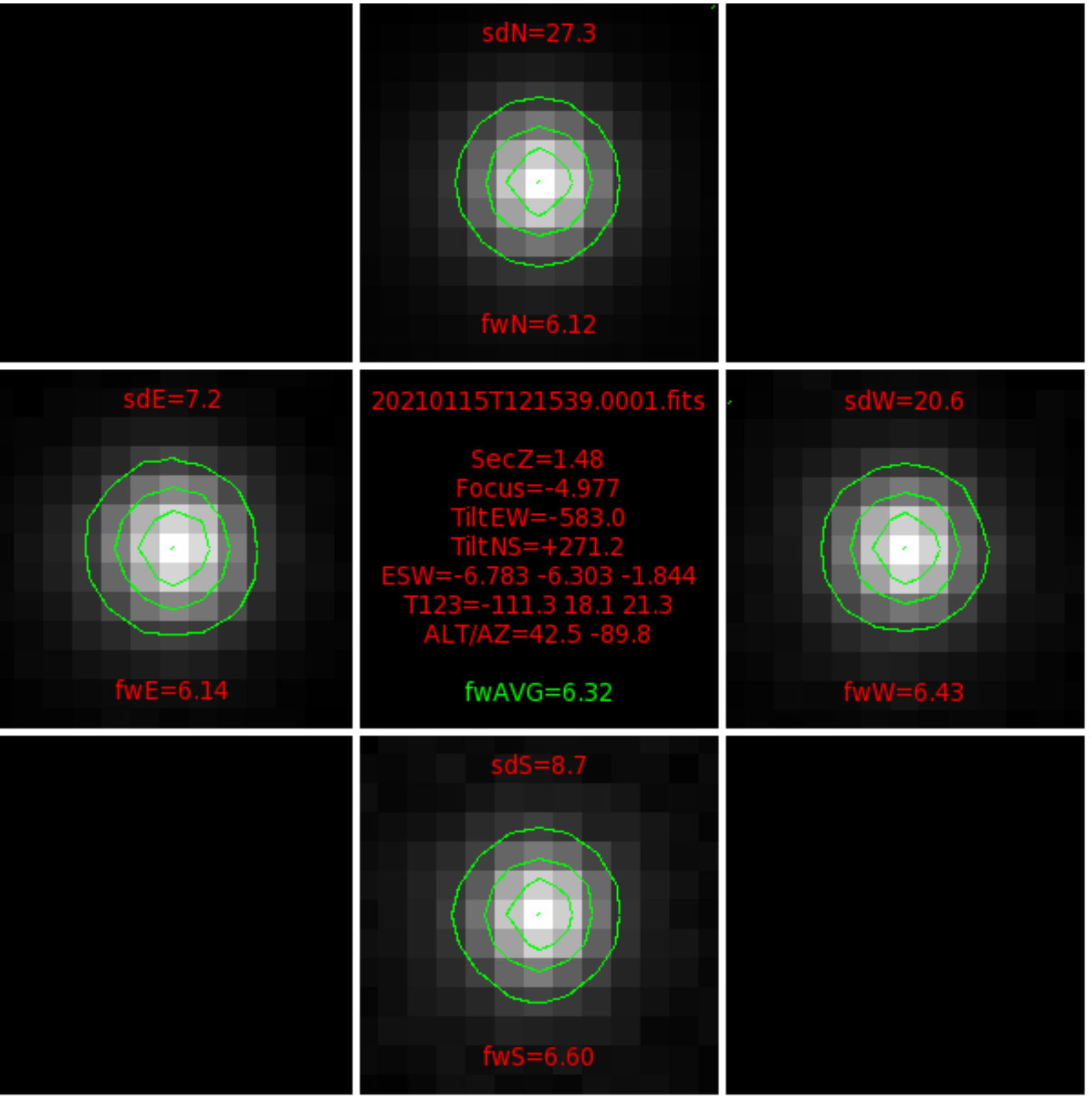
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fwN=6.12
sdE=7.2
fwE=6.14
20210115T121539.0001.fits
SecZ=1.48
Focus=-4.977
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.783 -6.303 -1.844
T123=-111.3 18.1 21.3
ALT/AZ=42.5 -89.8
fwAVG=6.32
sdW=20.6
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sdS=8.7
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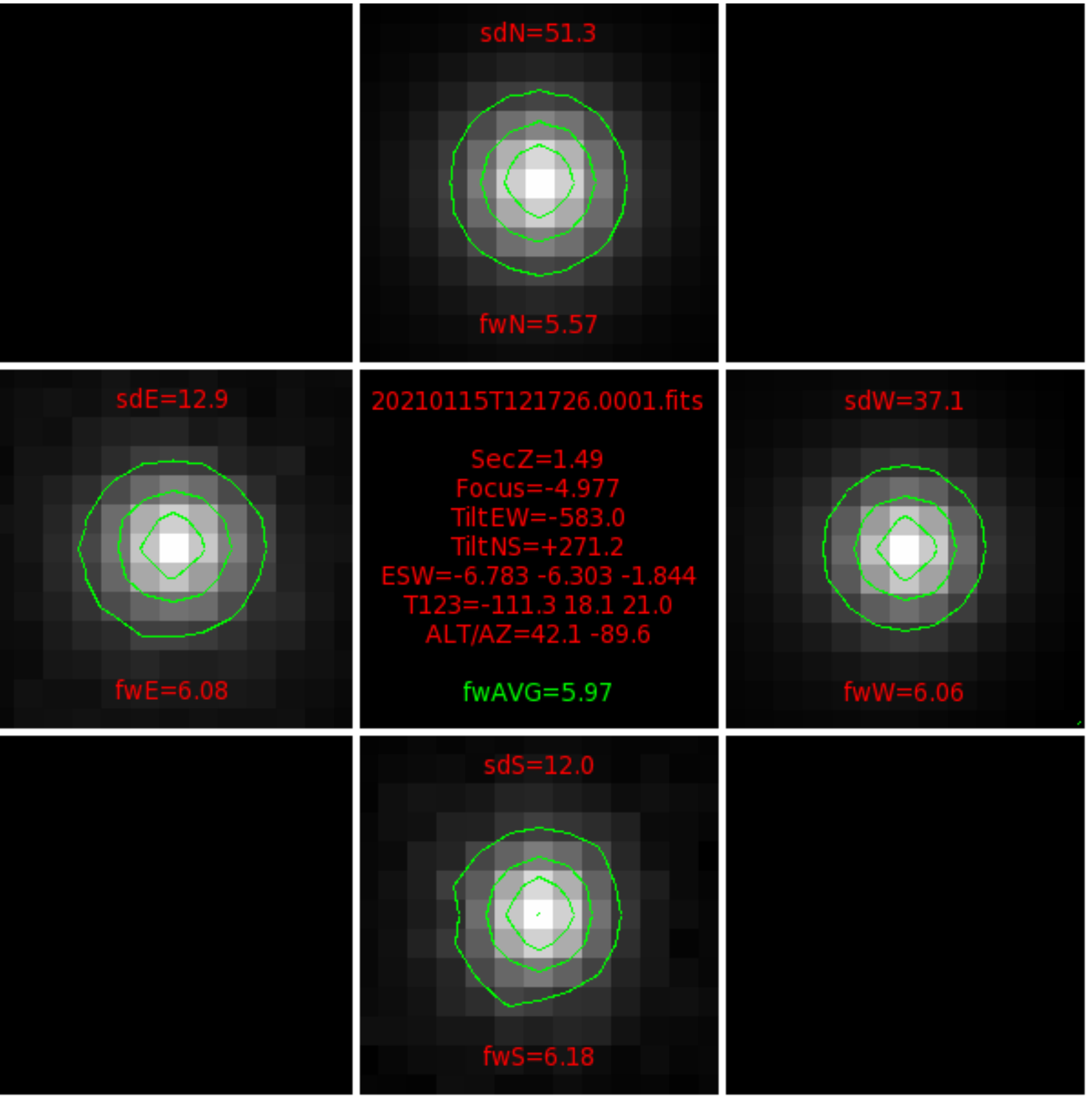
sdN=51.3
fwN=5.57
sdE=12.9
fwE=6.08
20210115T121726.0001.fits
SecZ=1.49
Focus=-4.977
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.783 -6.303 -1.844
T123=-111.3 18.1 21.0
ALT/AZ=42.1 -89.6
fwAVG=5.97
sdW=37.1
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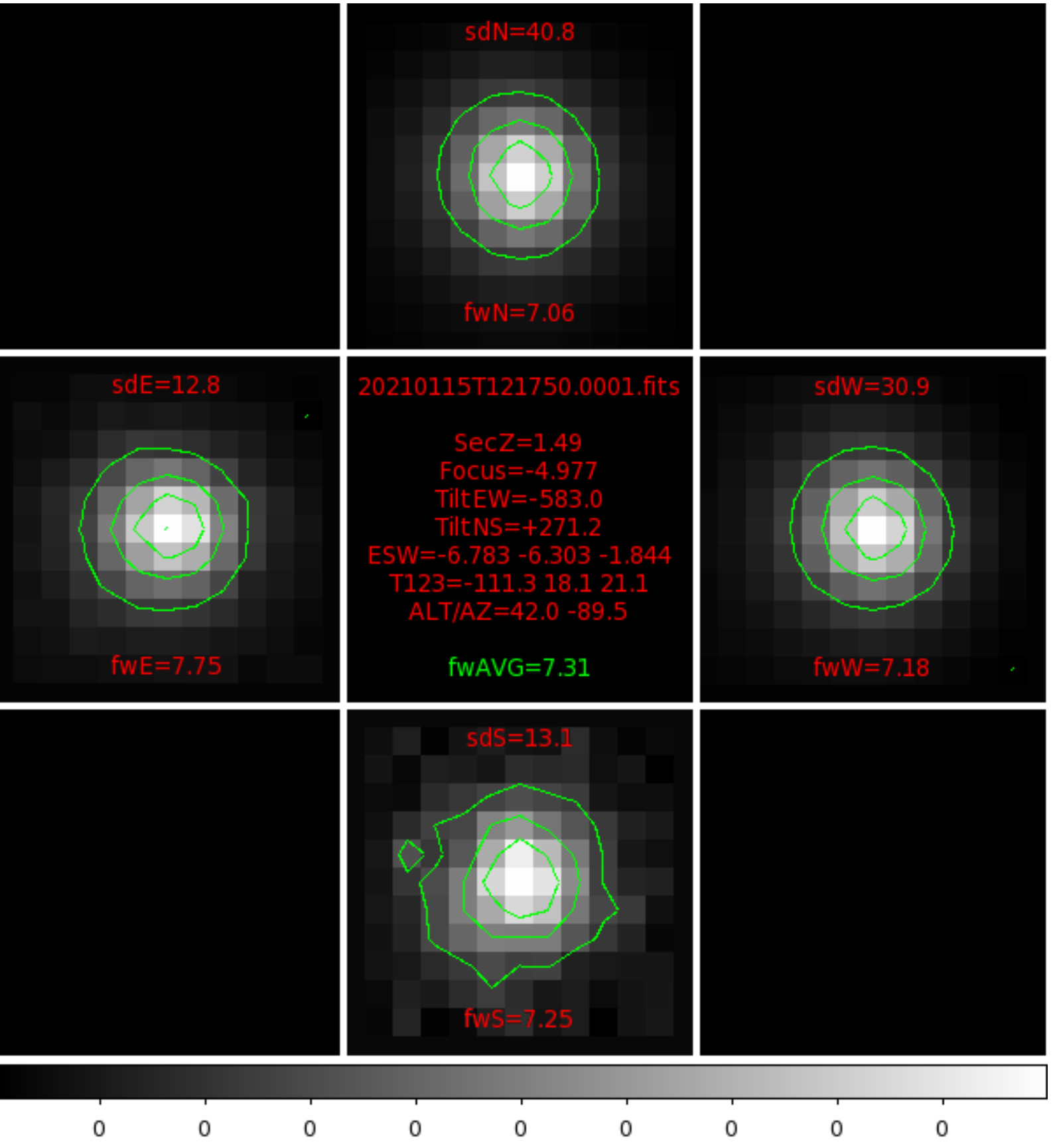
sdN=40.8
fwN=7.06
sdE=12.8
fwE=7.75
20210115T121750.0001.fits
SecZ=1.49
Focus=-4.977
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.783 -6.303 -1.844
T123=-111.3 18.1 21.1
ALT/AZ=42.0 -89.5
fwAVG=7.31
sdW=30.9
fwW=7.18
sdS=13.1
fwS=7.25
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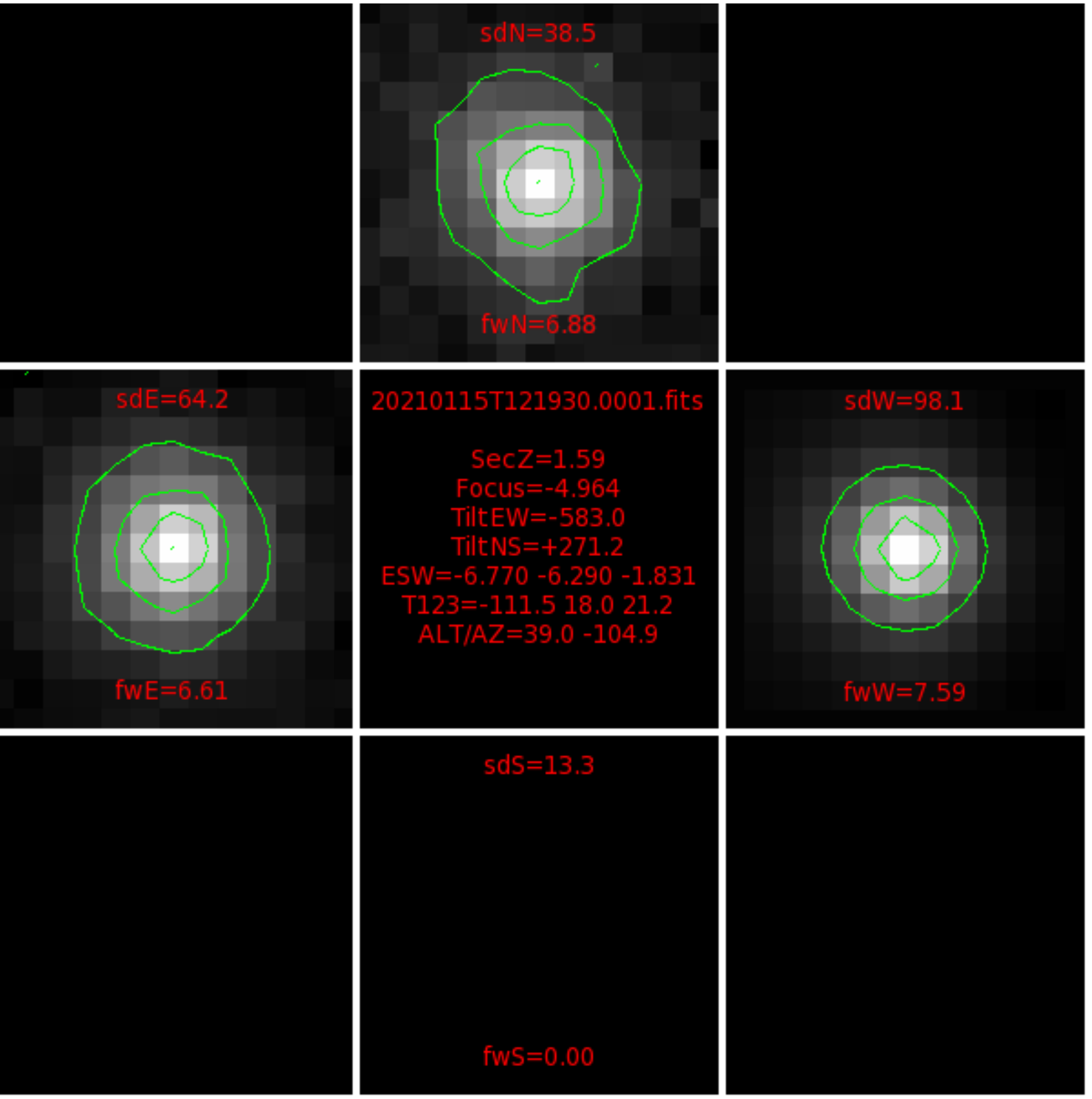
sdN=38.5
fwN=6.88
sdE=64.2
fwE=6.61
20210115T121930.0001.fits
SecZ=1.59
Focus=-4.964
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.770 -6.290 -1.831
T123=-111.5 18.0 21.2
ALT/AZ=39.0 -104.9
sdW=98.1
fwW=7.59
sdS=13.3
fwS=0.00
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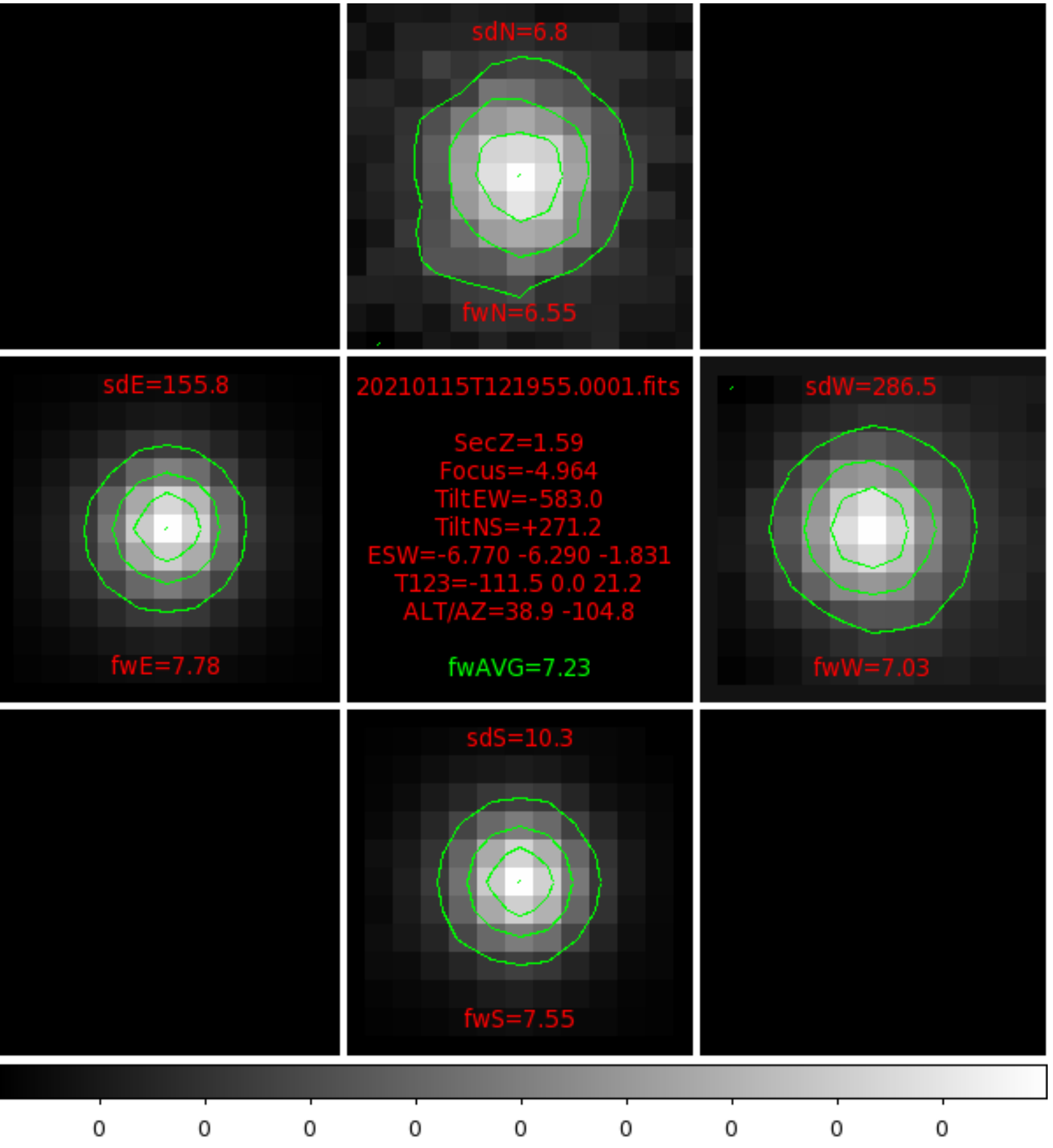
sdN=6.8
fwN=6.55
sdE=155.8
fwE=7.78
20210115T121955.0001.fits
SecZ=1.59
Focus=-4.964
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.770 -6.290 -1.831
T123=-111.5 0.0 21.2
ALT/AZ=38.9 -104.8
fwAVG=7.23
sdW=286.5
fwW=7.03
sdS=10.3
fwS=7.55
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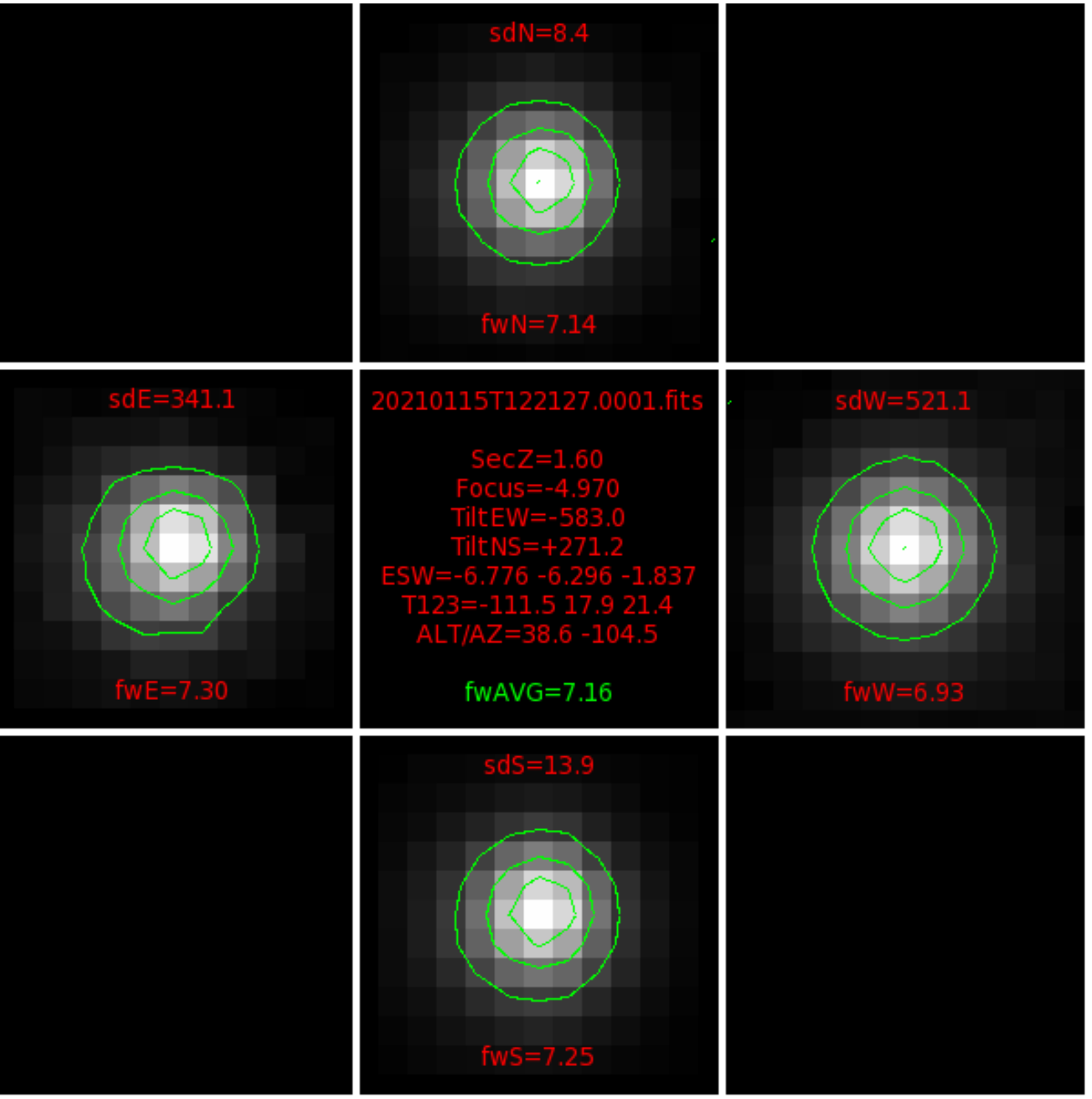
sdN=8.4
fwN=7.14
sdE=341.1
fwE=7.30
20210115T122127.0001.fits
SecZ=1.60
Focus=-4.970
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.776 -6.296 -1.837
T123=-111.5 17.9 21.4
ALT/AZ=38.6 -104.5
fwAVG=7.16
sdW=521.1
fwW=6.93
sdS=13.9
fwS=7.25
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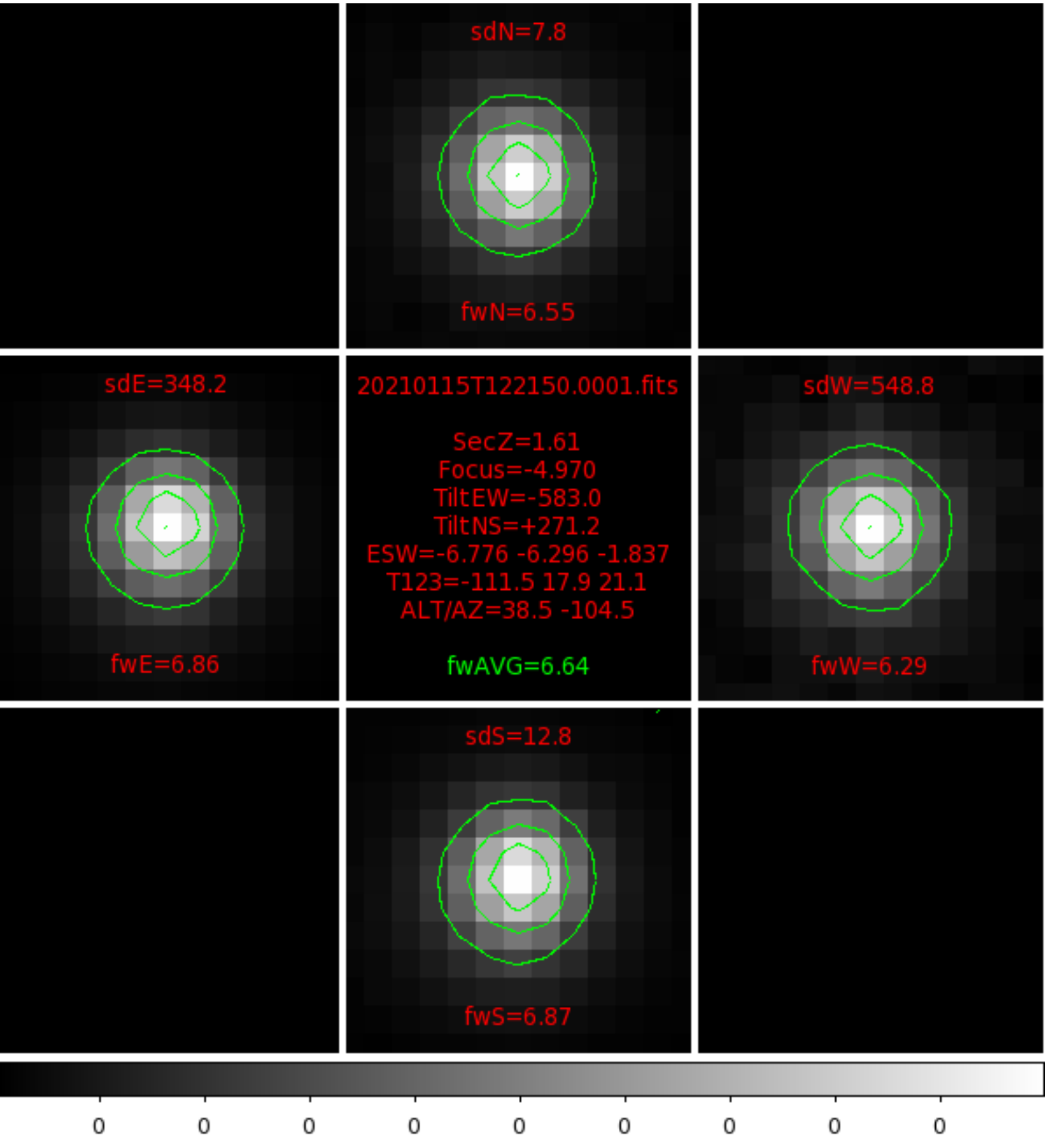
sdN=7.8
fwN=6.55
sdE=348.2
fwE=6.86
20210115T122150.0001.fits
SecZ=1.61
Focus=-4.970
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.776 -6.296 -1.837
T123=-111.5 17.9 21.1
ALT/AZ=38.5 -104.5
fwAVG=6.64
sdW=548.8
fwW=6.29
sdS=12.8
fwS=6.87
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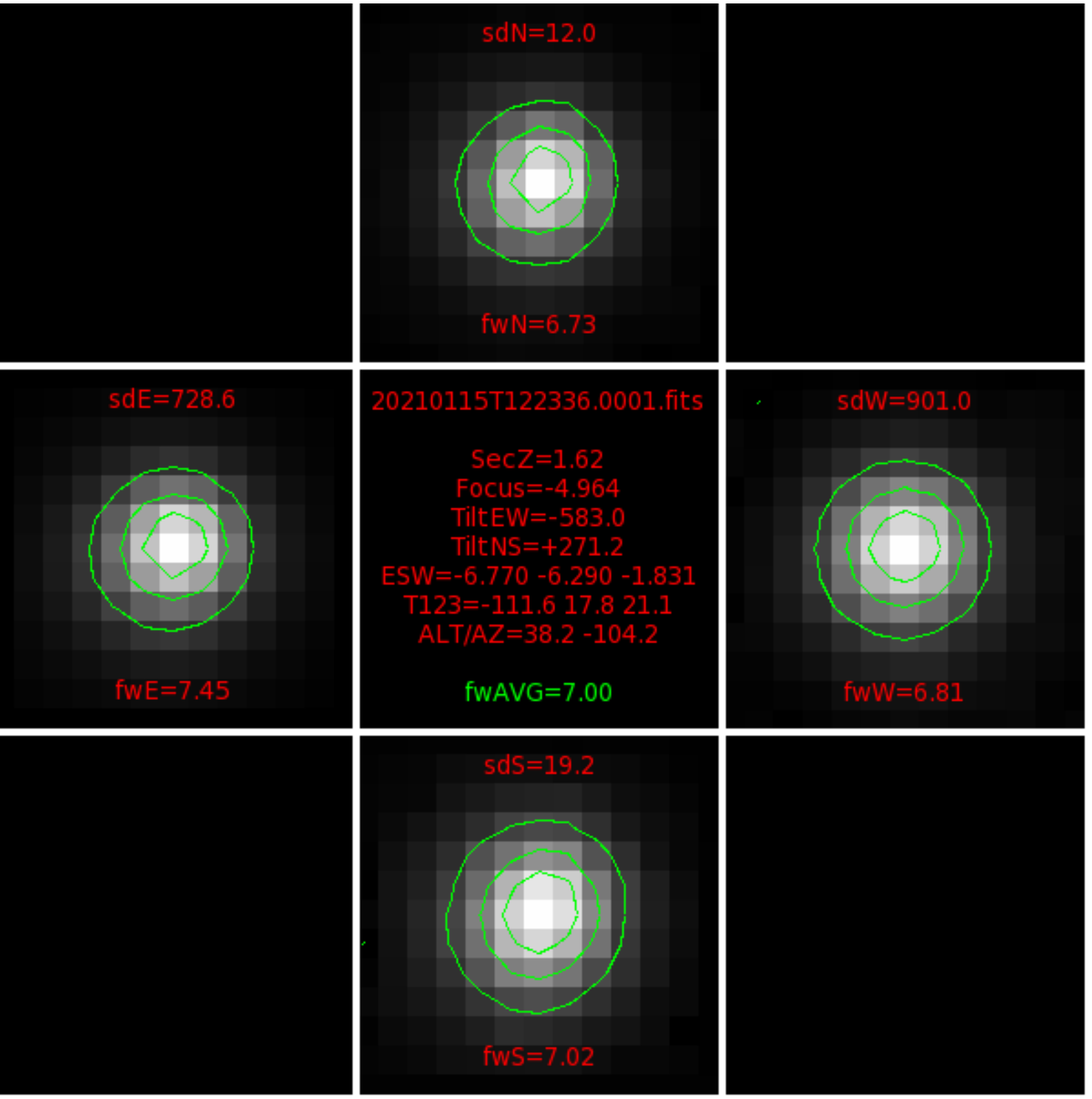
sdN=12.0
fwN=6.73
sdE=728.6
fwE=7.45
20210115T122336.0001.fits
SecZ=1.62
Focus=-4.964
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.770 -6.290 -1.831
T123=-111.6 17.8 21.1
ALT/AZ=38.2 -104.2
fwAVG=7.00
sdW=901.0
fwW=6.81
sdS=19.2
fwS=7.02
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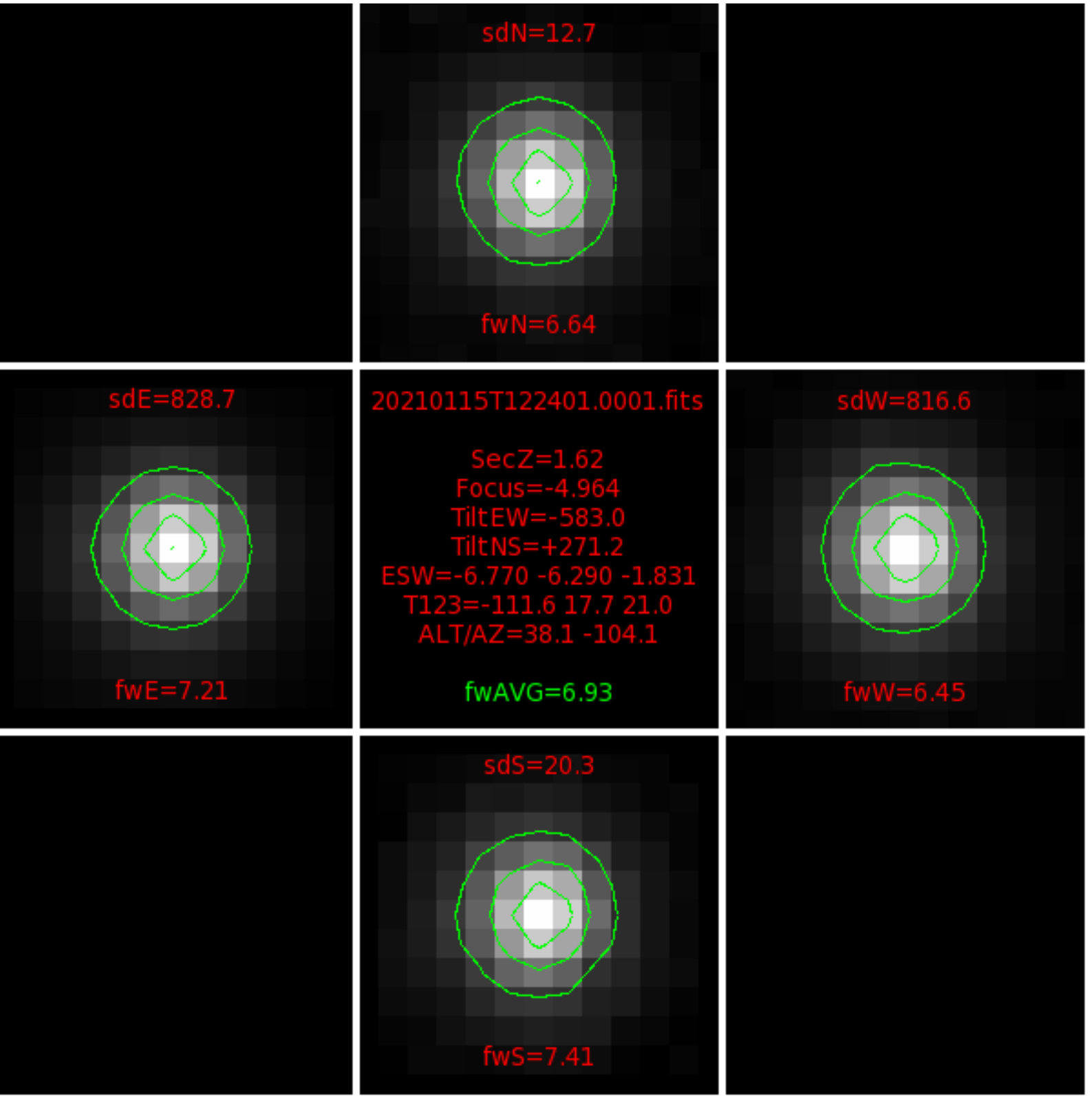
sdN=12.7
fwN=6.64
sdE=828.7
fwE=7.21
20210115T122401.0001.fits
SecZ=1.62
Focus=-4.964
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.770 -6.290 -1.831
T123=-111.6 17.7 21.0
ALT/AZ=38.1 -104.1
fwAVG=6.93
sdW=816.6
fwW=6.45
sdS=20.3
fwS=7.41
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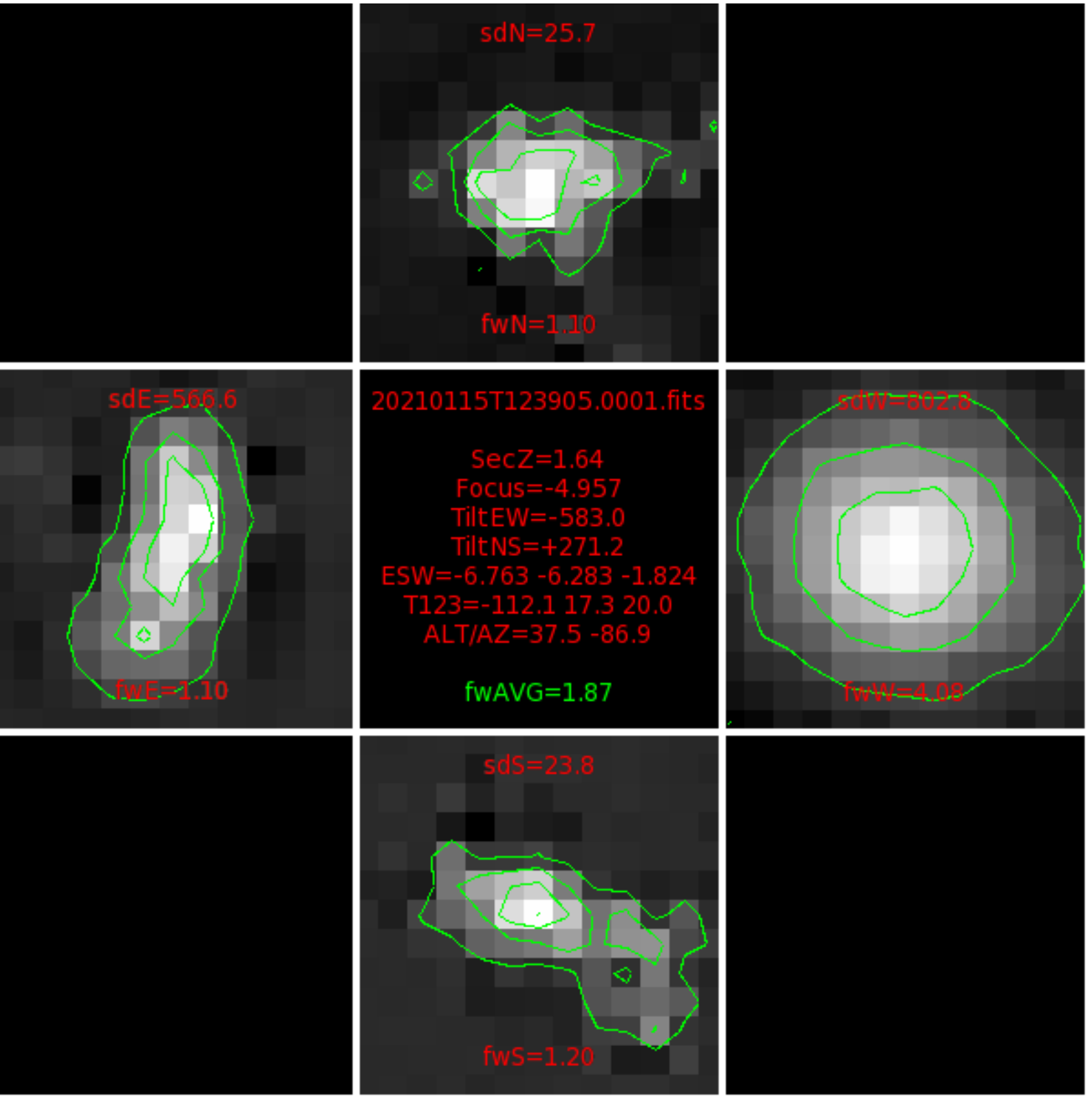
sdN=25.7
fwN=1.10
sdE=566.6
fwE=1.10
20210115T123905.0001.fits
SecZ=1.64
Focus=-4.957
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.763 -6.283 -1.824
T123=-112.1 17.3 20.0
ALT/AZ=37.5 -86.9
fwAVG=1.87
sdW=802.8
fwW=4.08
sdS=23.8
fwS=1.20
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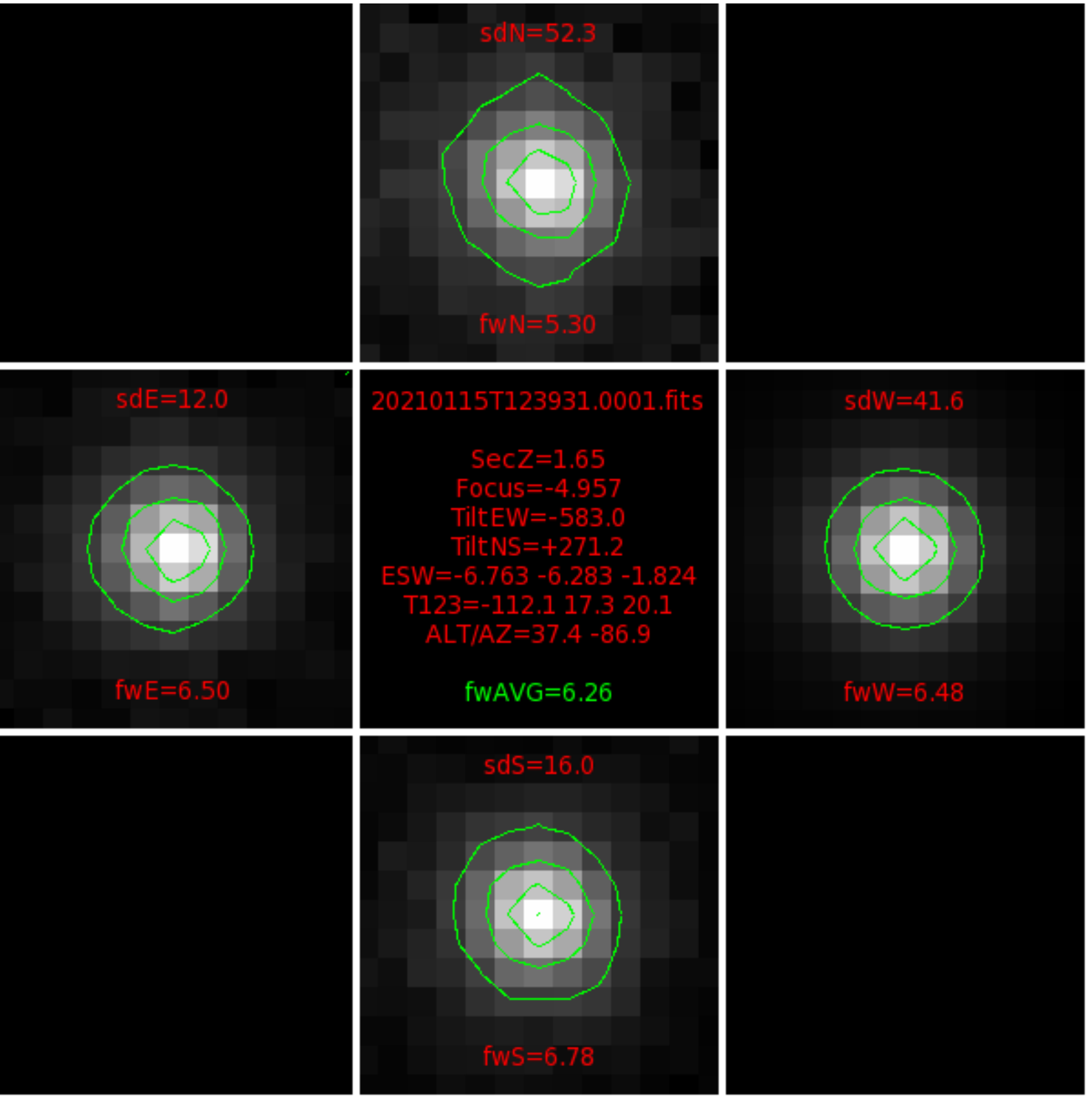
sdN=52.3
fwN=5.30
sdE=12.0
fwE=6.50
20210115T123931.0001.fits
SecZ=1.65
Focus=-4.957
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.763 -6.283 -1.824
T123=-112.1 17.3 20.1
ALT/AZ=37.4 -86.9
fwAVG=6.26
sdW=41.6
fwW=6.48
sdS=16.0
fwS=6.78
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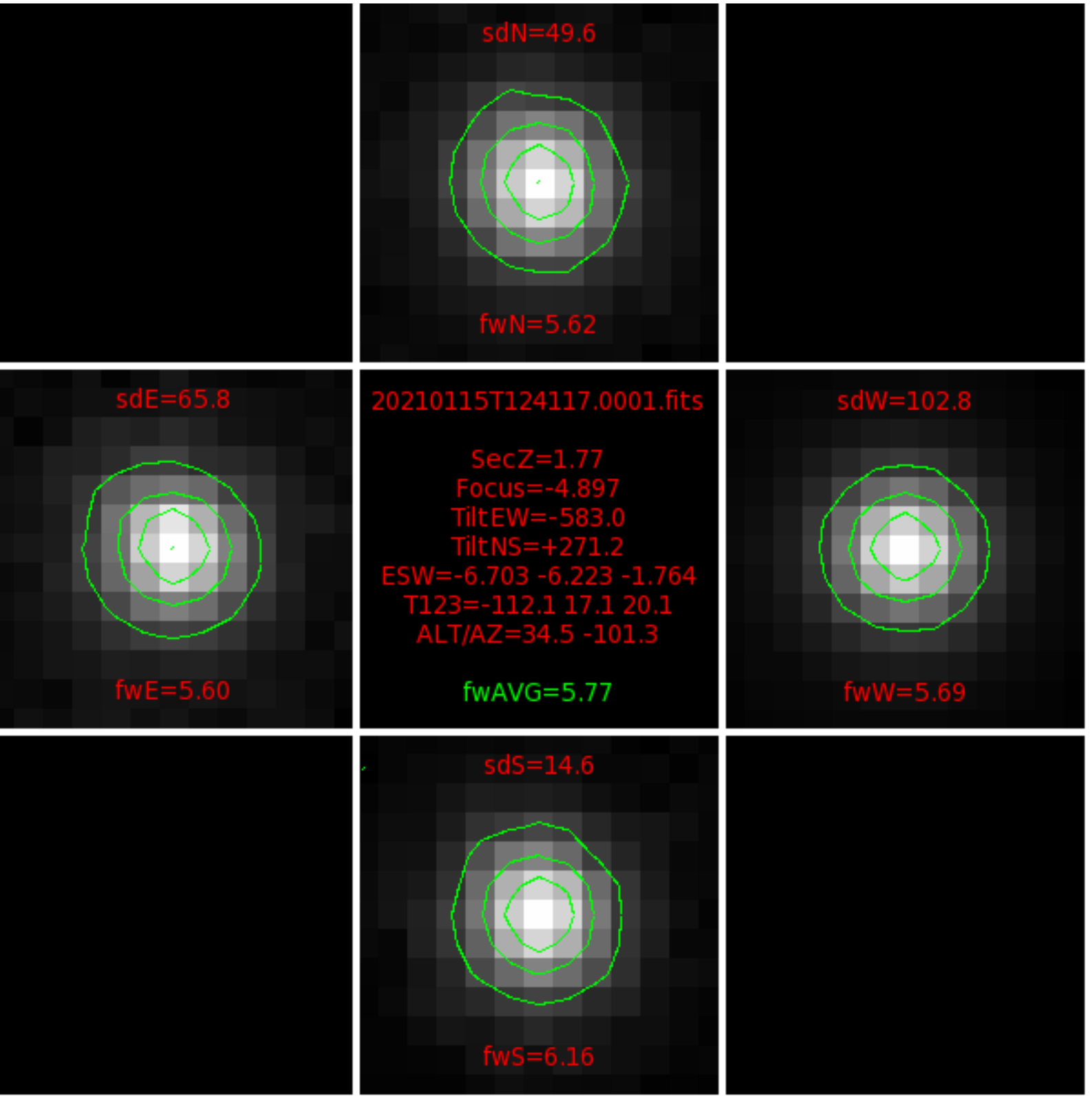
sdN=49.6
fwN=5.62
sdE=65.8
fwE=5.60
20210115T124117.0001.fits
SecZ=1.77
Focus=-4.897
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.703 -6.223 -1.764
T123=-112.1 17.1 20.1
ALT/AZ=34.5 -101.3
fwAVG=5.77
sdW=102.8
fwW=5.69
sdS=14.6
fwS=6.16
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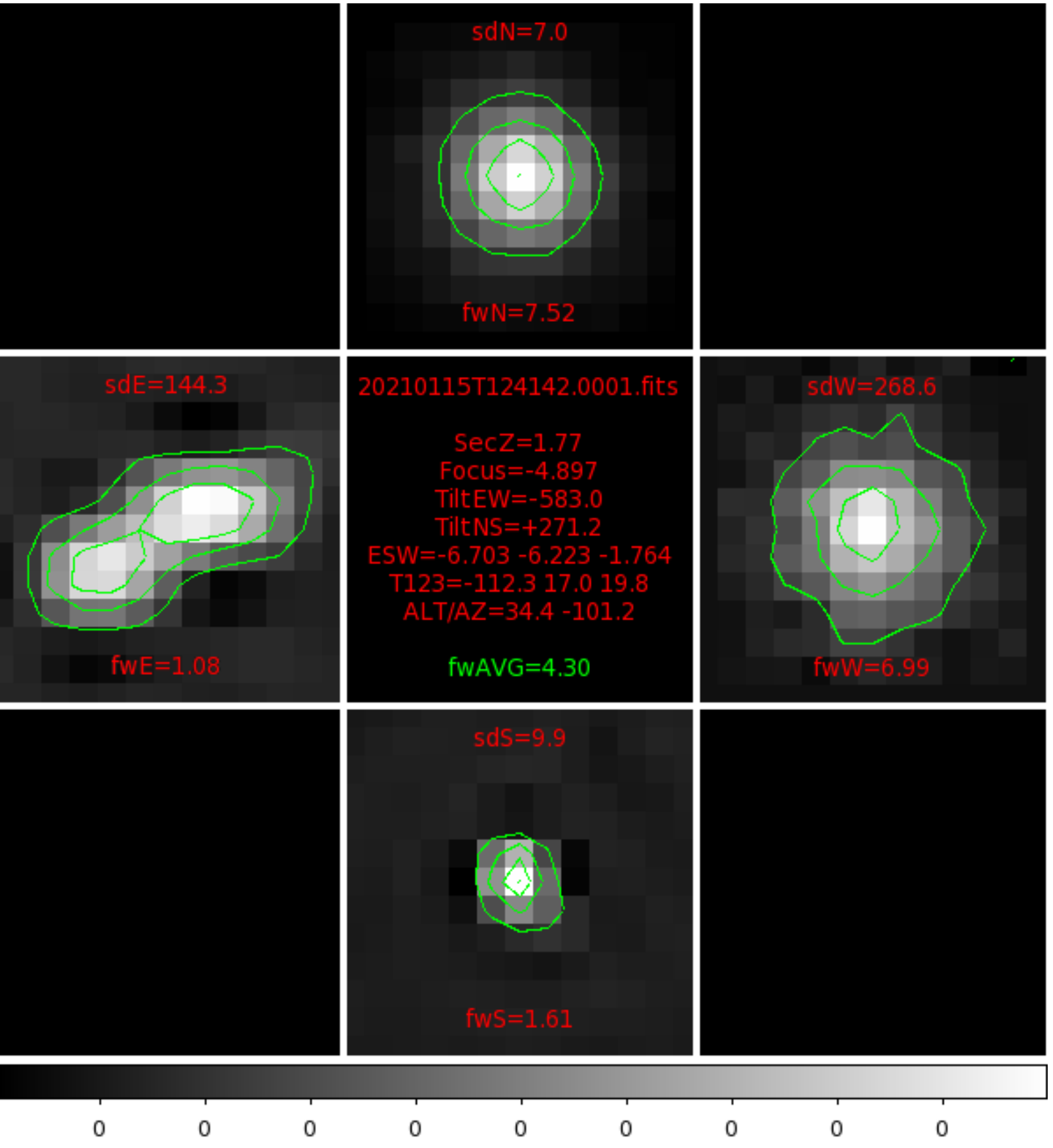
sdN=7.0
fwN=7.52
sdE=144.3
fwE=1.08
20210115T124142.0001.fits
SecZ=1.77
Focus=-4.897
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.703 -6.223 -1.764
T123=-112.3 17.0 19.8
ALT/AZ=34.4 -101.2
fwAVG=4.30
sdW=268.6
fwW=6.99
sdS=9.9
fwS=1.61
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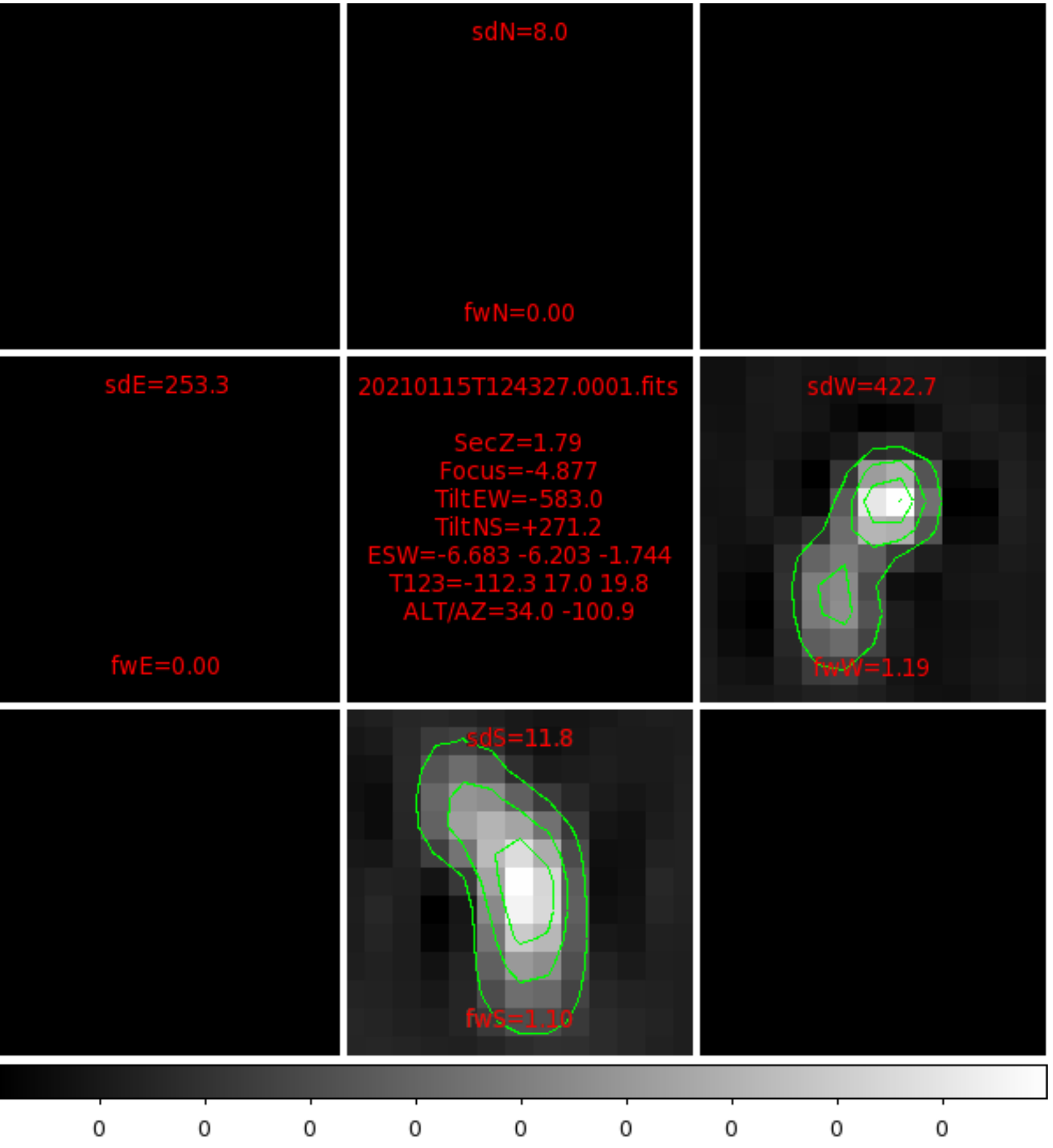
sdN=8.0
fwN=0.00
sdE=253.3
20210115T124327.0001.fits
SecZ=1.79
Focus=-4.877
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.683 -6.203 -1.744
T123=-112.3 17.0 19.8
ALT/AZ=34.0 -100.9
sdW=422.7
fwE=0.00
fwW=1.19
sdS=11.8
fwS=1.10
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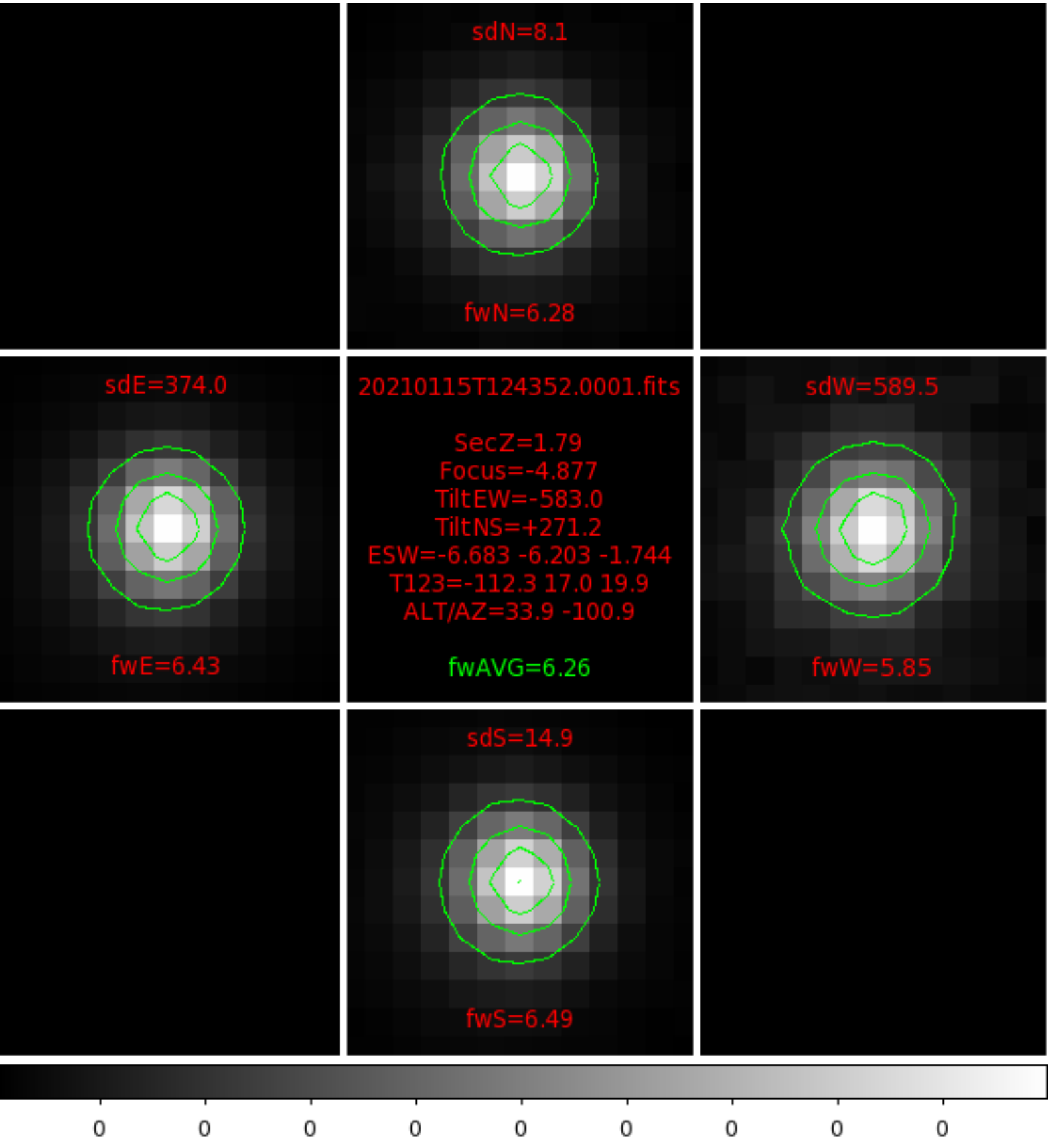
sdN=8.1
fwN=6.28
sdE=374.0
fwE=6.43
20210115T124352.0001.fits
SecZ=1.79
Focus=-4.877
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.683 -6.203 -1.744
T123=-112.3 17.0 19.9
ALT/AZ=33.9 -100.9
fwAVG=6.26
sdW=589.5
fwW=5.85
sdS=14.9
fwS=6.49
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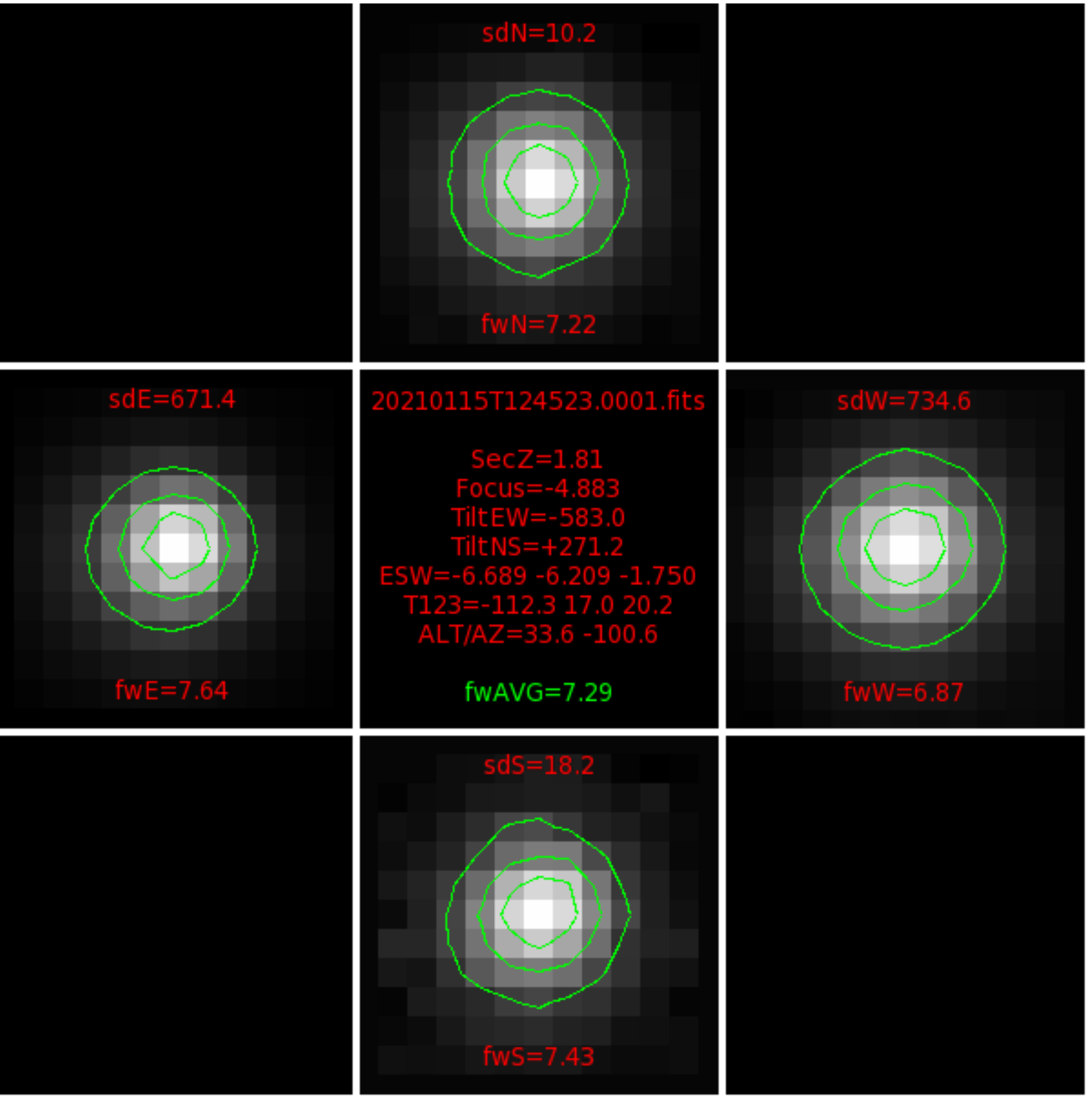
sdN=10.2
fwN=7.22
sdE=671.4
fwE=7.64
20210115T124523.0001.fits
SecZ=1.81
Focus=-4.883
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.689 -6.209 -1.750
T123=-112.3 17.0 20.2
ALT/AZ=33.6 -100.6
fwAVG=7.29
sdW=734.6
fwW=6.87
sdS=18.2
fwS=7.43
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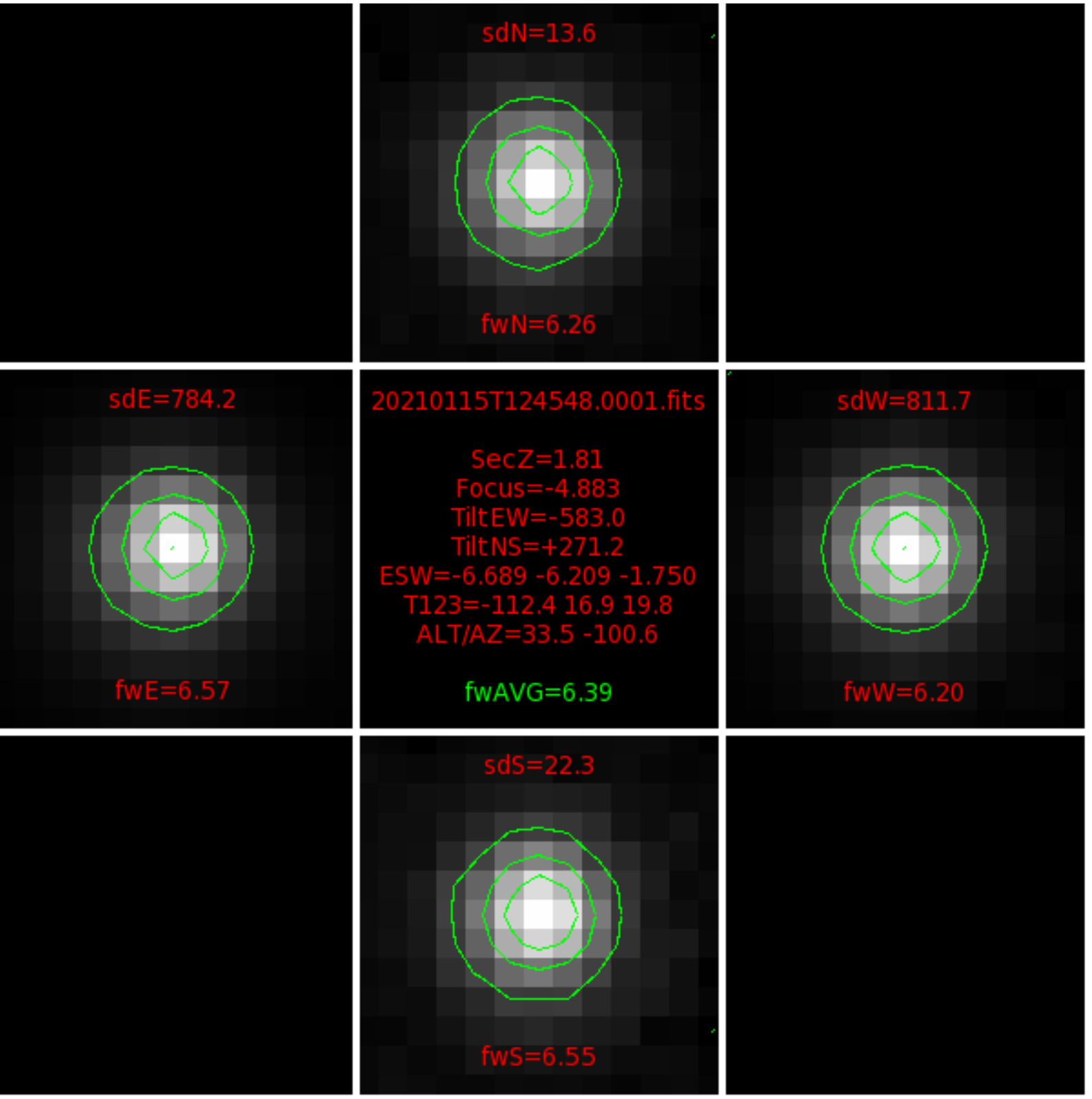
sdN=13.6
fwN=6.26
sdE=784.2
fwE=6.57
20210115T124548.0001.fits
SecZ=1.81
Focus=-4.883
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.689 -6.209 -1.750
T123=-112.4 16.9 19.8
ALT/AZ=33.5 -100.6
fwAVG=6.39
sdW=811.7
fwW=6.20
sdS=22.3
fwS=6.55
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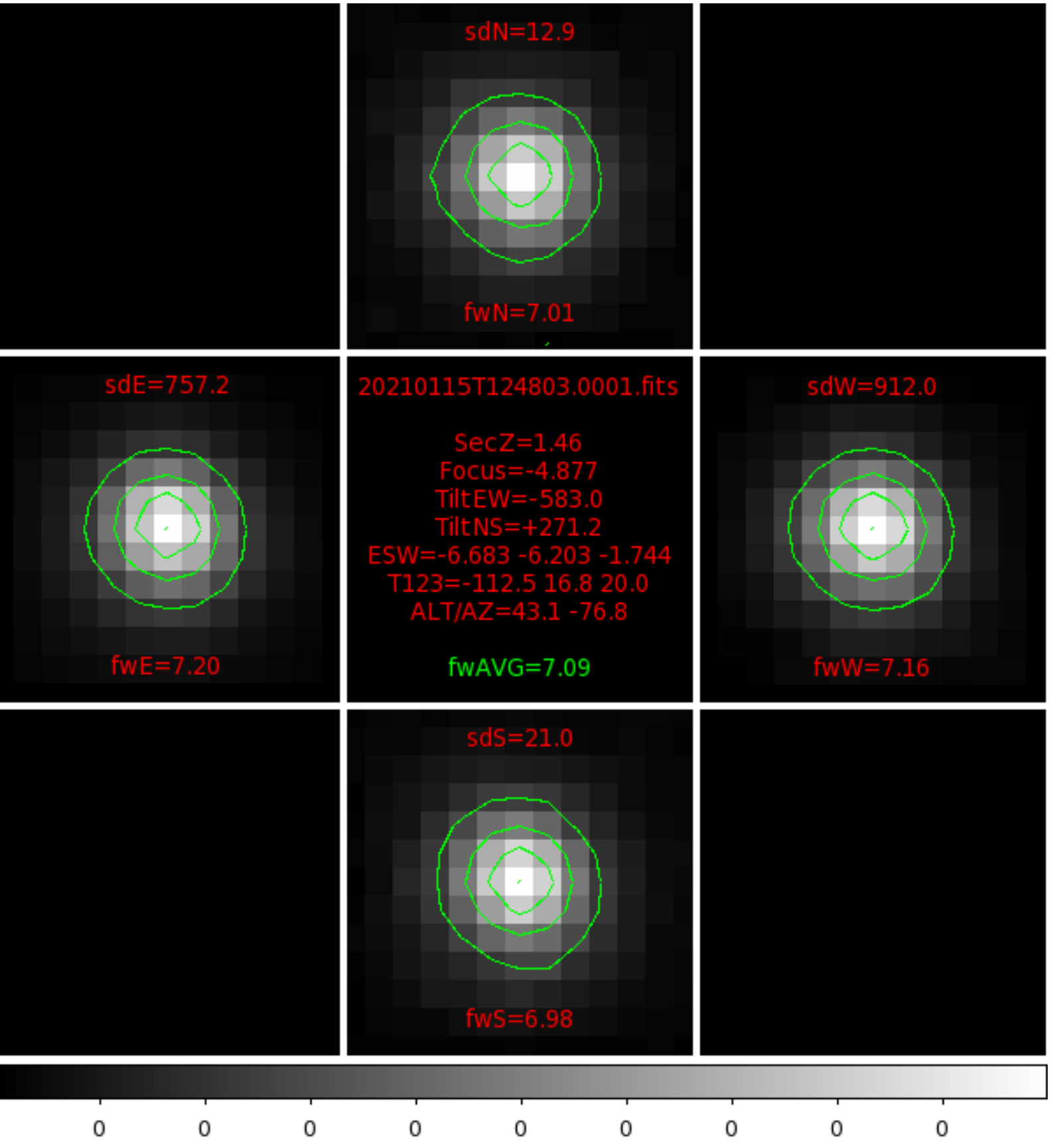
sdN=12.9
fwN=7.01
sdE=757.2
fwE=7.20
20210115T124803.0001.fits
SecZ=1.46
Focus=-4.877
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.683 -6.203 -1.744
T123=-112.5 16.8 20.0
ALT/AZ=43.1 -76.8
fwAVG=7.09
sdW=912.0
fwW=7.16
sdS=21.0
fwS=6.98
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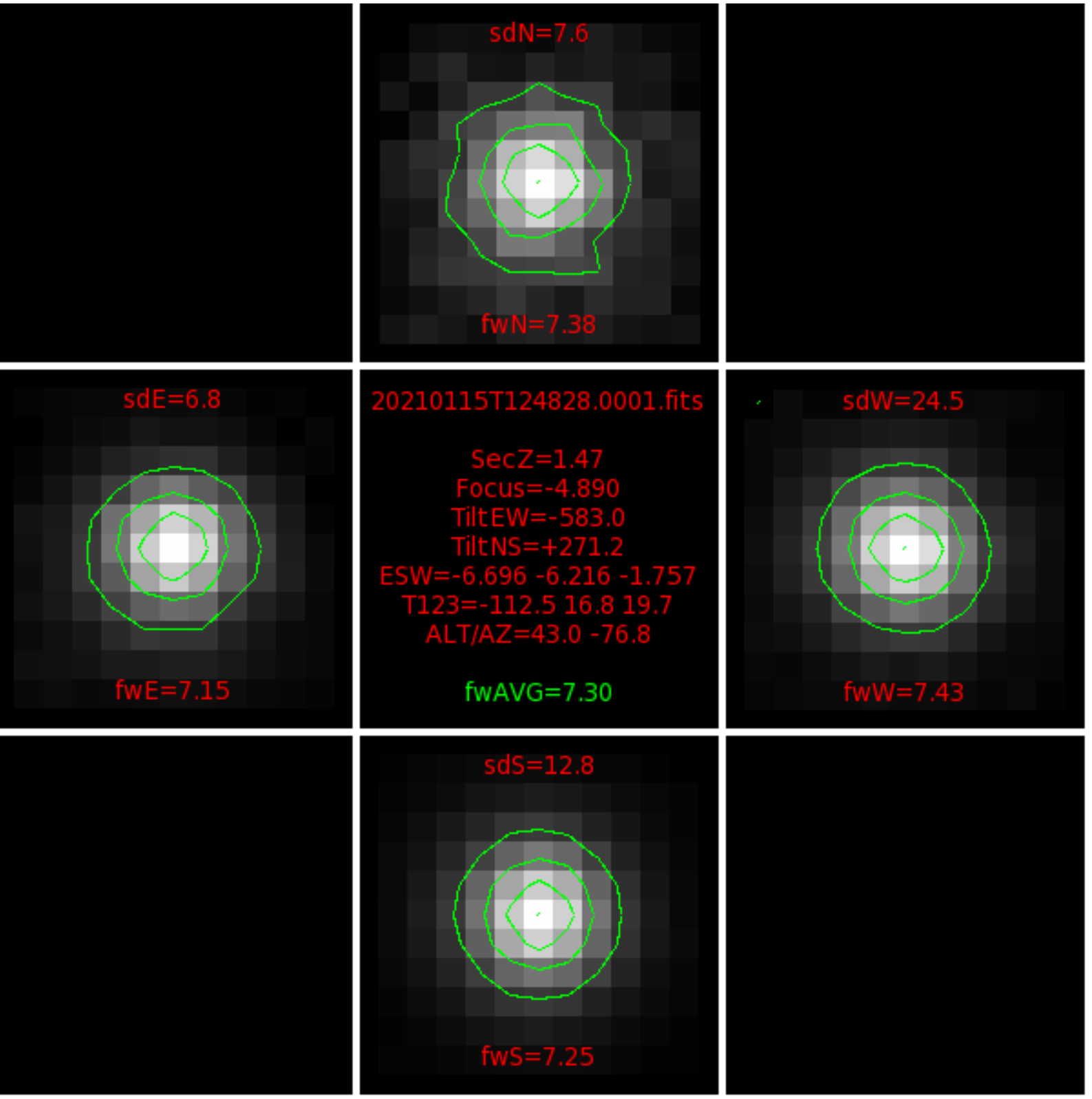
sdN=7.6
fwN=7.38
sdE=6.8
fwE=7.15
20210115T124828.0001.fits
SecZ=1.47
Focus=-4.890
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.696 -6.216 -1.757
T123=-112.5 16.8 19.7
ALT/AZ=43.0 -76.8
fwAVG=7.30
sdW=24.5
fwW=7.43
sdS=12.8
fwS=7.25
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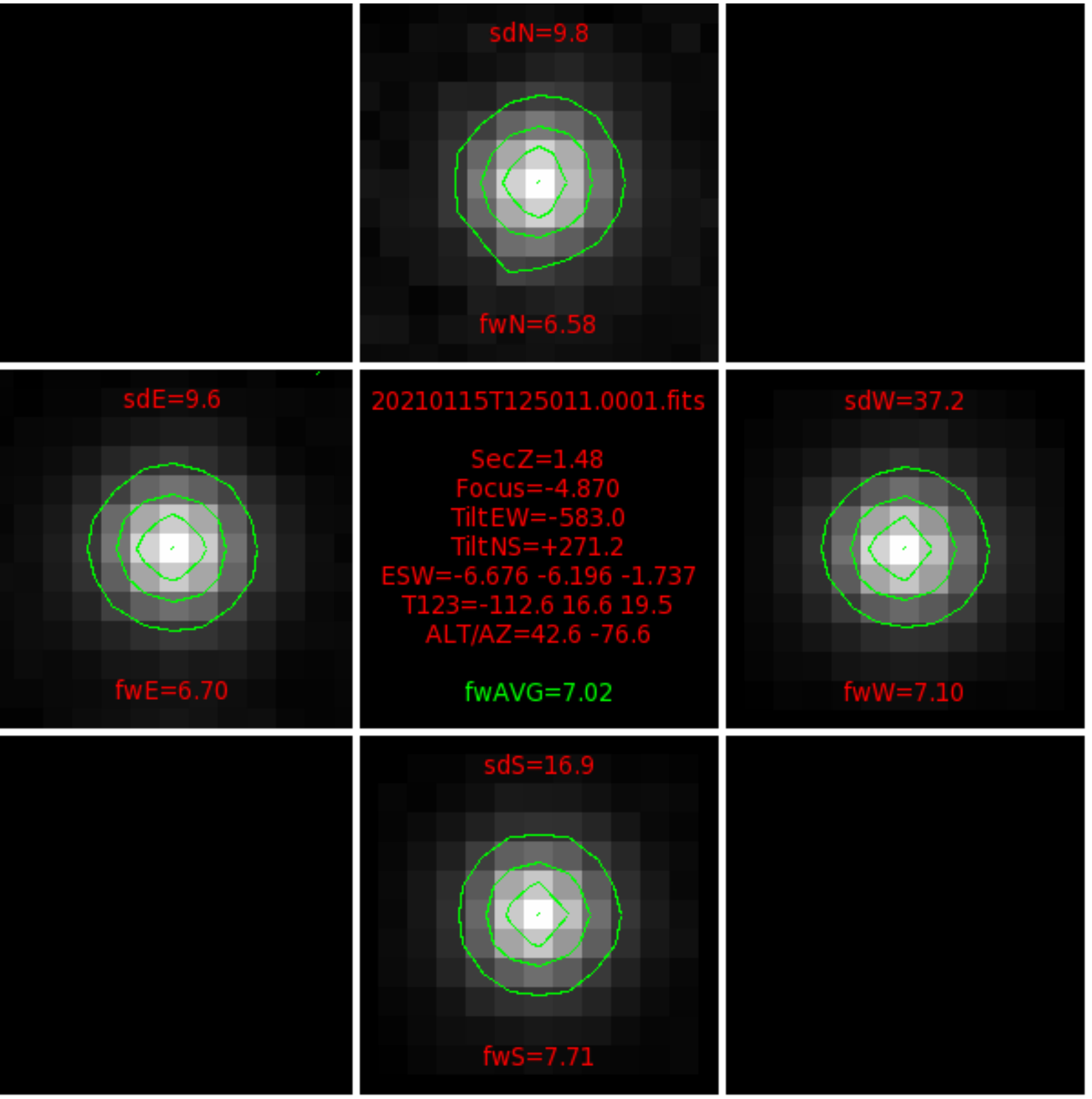
sdN=9.8
fwN=6.58
sdE=9.6
fwE=6.70
20210115T125011.0001.fits
SecZ=1.48
Focus=-4.870
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.676 -6.196 -1.737
T123=-112.6 16.6 19.5
ALT/AZ=42.6 -76.6
fwAVG=7.02
sdW=37.2
fwW=7.10
sdS=16.9
fwS=7.71
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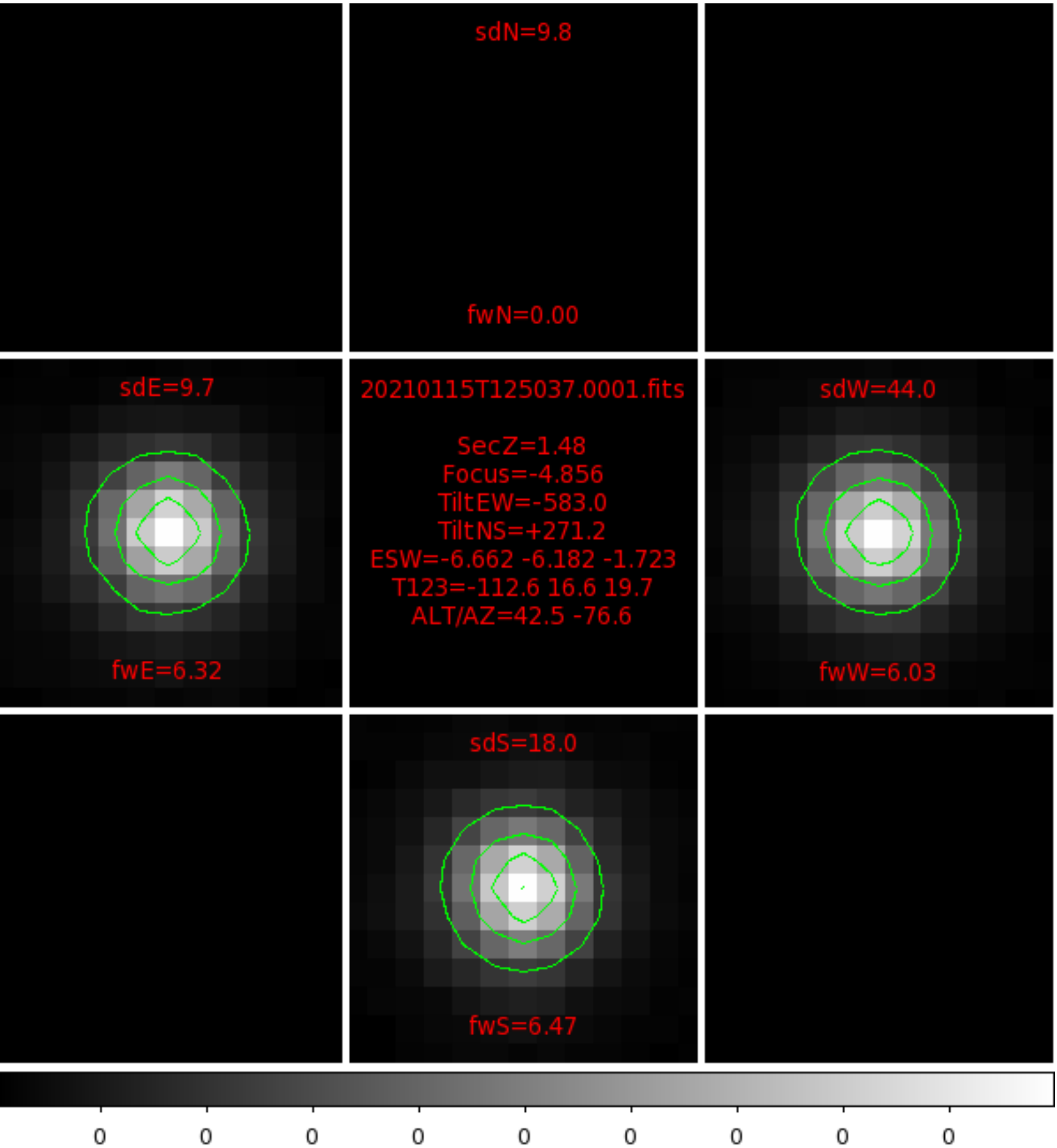
sdN=9.8
fwN=0.00
sdE=9.7
fwE=6.32
20210115T125037.0001.fits
SecZ=1.48
Focus=-4.856
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.662 -6.182 -1.723
T123=-112.6 16.6 19.7
ALT/AZ=42.5 -76.6
sdW=44.0
fwW=6.03
sdS=18.0
fwS=6.47
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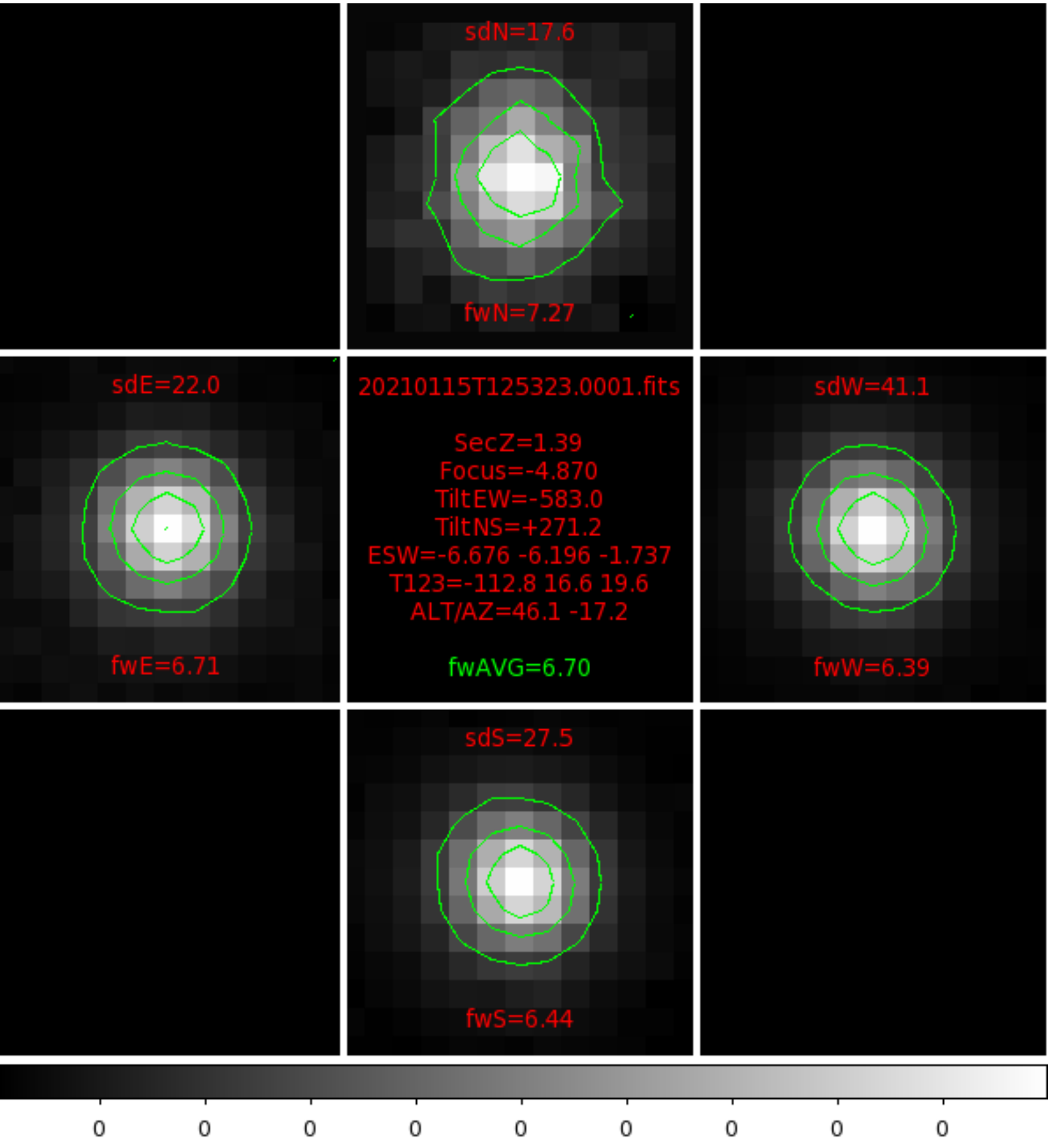
sdN=17.6
fwN=7.27
sdE=22.0
fwE=6.71
20210115T125323.0001.fits
SecZ=1.39
Focus=-4.870
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.676 -6.196 -1.737
T123=-112.8 16.6 19.6
ALT/AZ=46.1 -17.2
fwAVG=6.70
sdW=41.1
fwW=6.39
sdS=27.5
fwS=6.44
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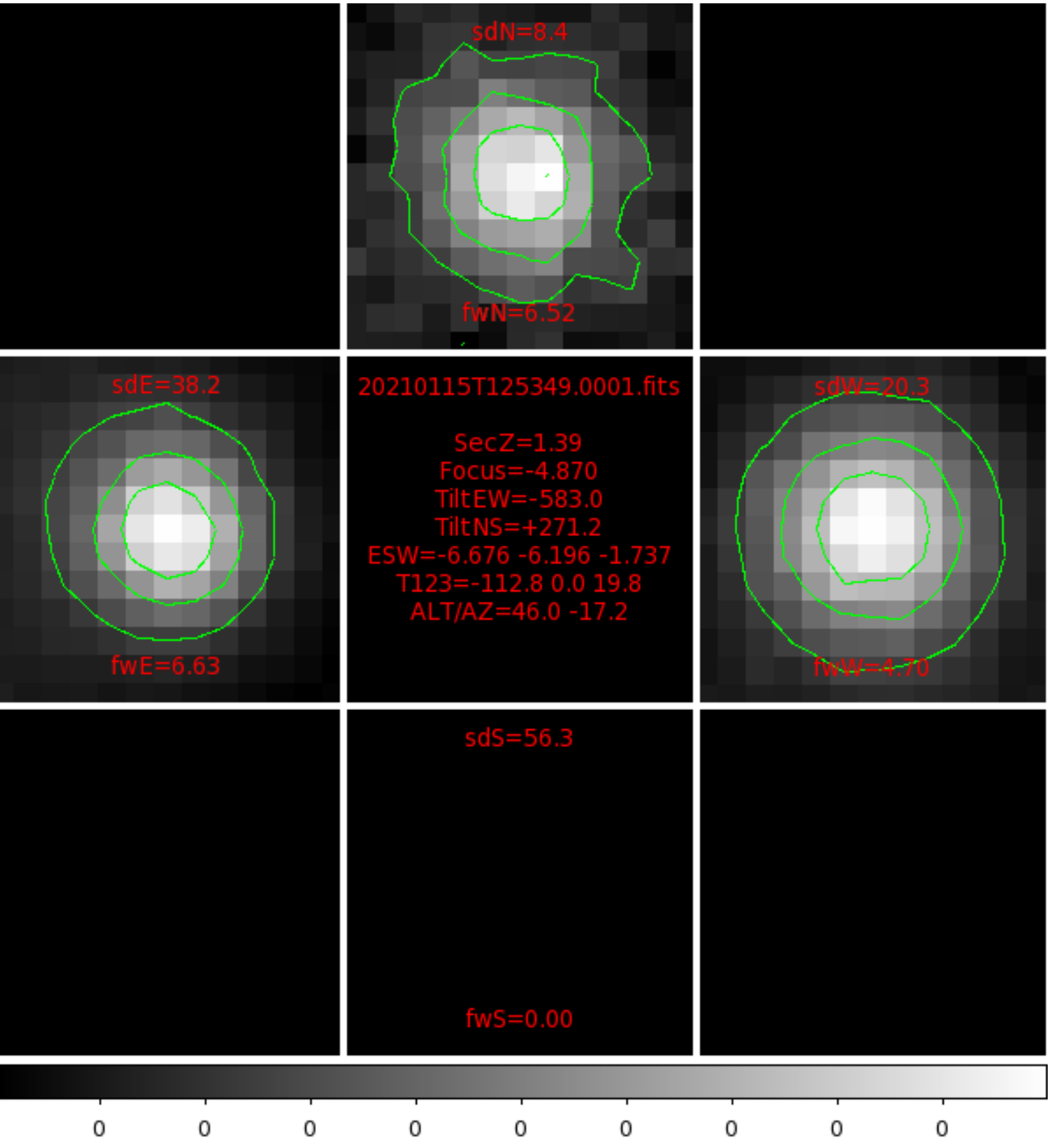
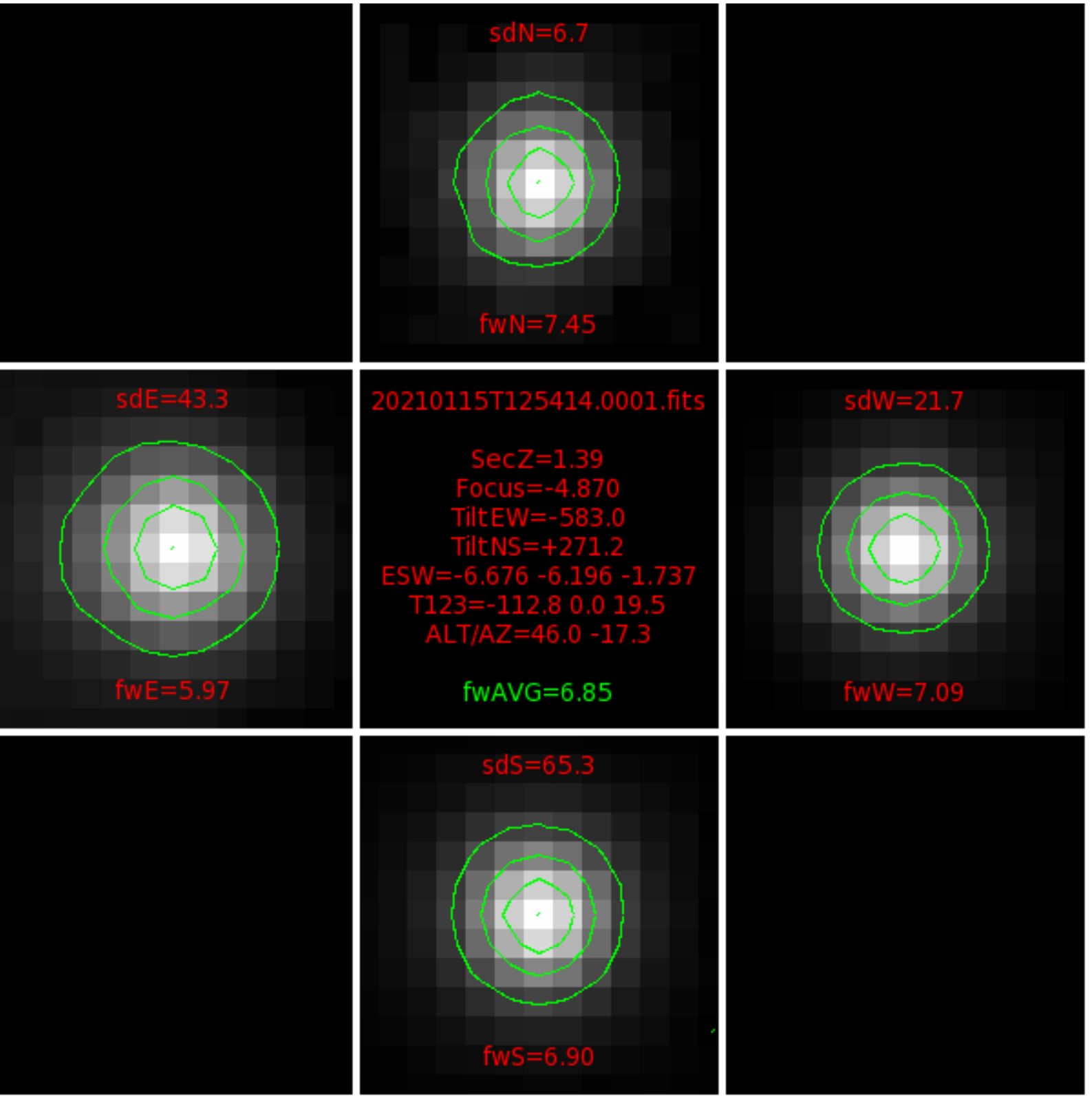

sdN=8.4
fwN=6.52
sdE=38.2
fwE=6.63
20210115T125349.0001.fits
SecZ=1.39
Focus=-4.870
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.676 -6.196 -1.737
T123=-112.8 0.0 19.8
ALT/AZ=46.0 -17.2
sdW=20.3
fwW=4.70
sdS=56.3
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=6.7
fwN=7.45
sdE=43.3
fwE=5.97
20210115T125414.0001.fits
SecZ=1.39
Focus=-4.870
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.676 -6.196 -1.737
T123=-112.8 0.0 19.5
ALT/AZ=46.0 -17.3
fwAVG=6.85
sdW=21.7
fwW=7.09
sdS=65.3
fwS=6.90
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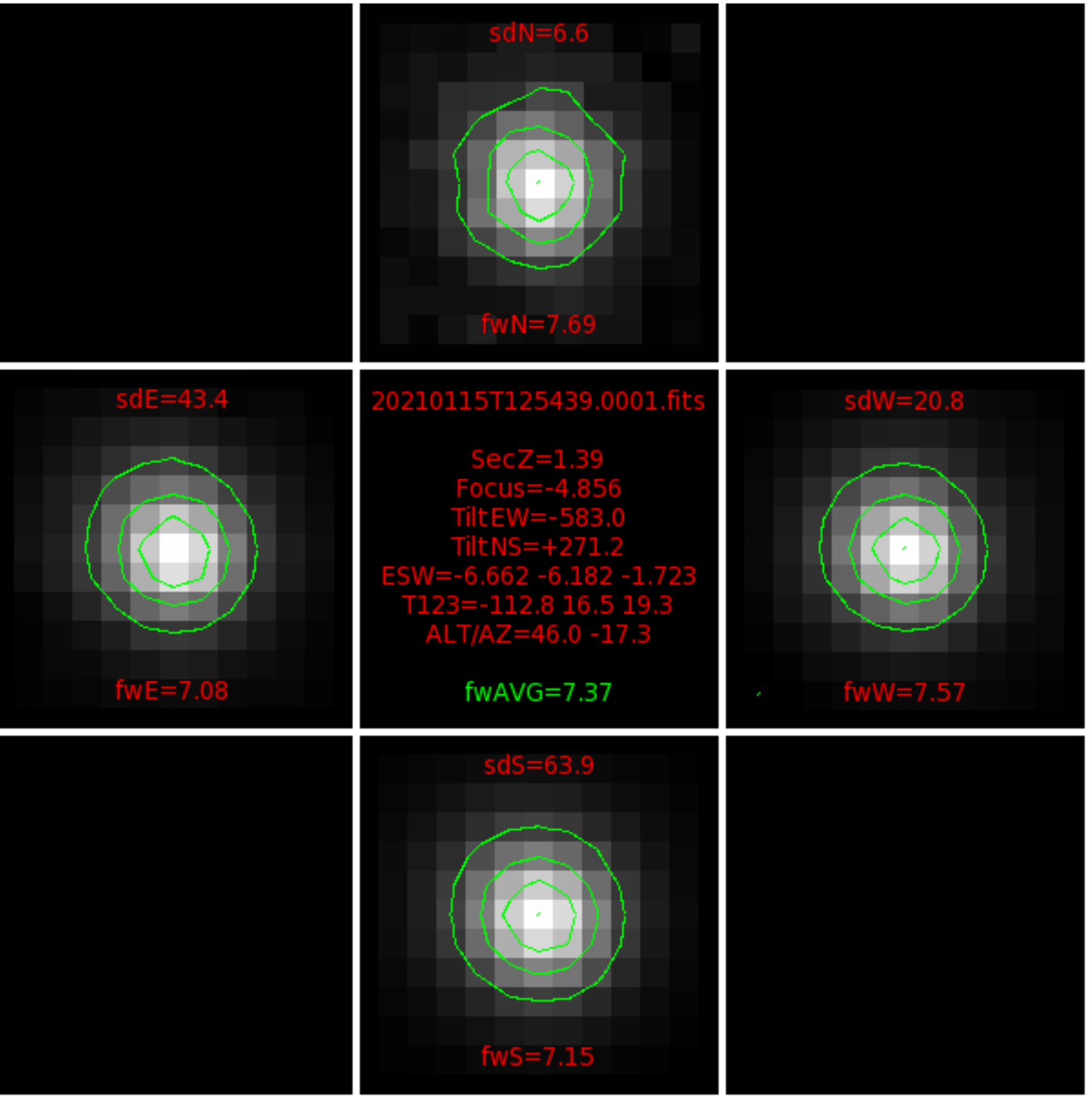
sdN=6.6
fwN=7.69
sdE=43.4
fwE=7.08
20210115T125439.0001.fits
SecZ=1.39
Focus=-4.856
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.662 -6.182 -1.723
T123=-112.8 16.5 19.3
ALT/AZ=46.0 -17.3
fwAVG=7.37
sdW=20.8
fwW=7.57
sdS=63.9
fwS=7.15
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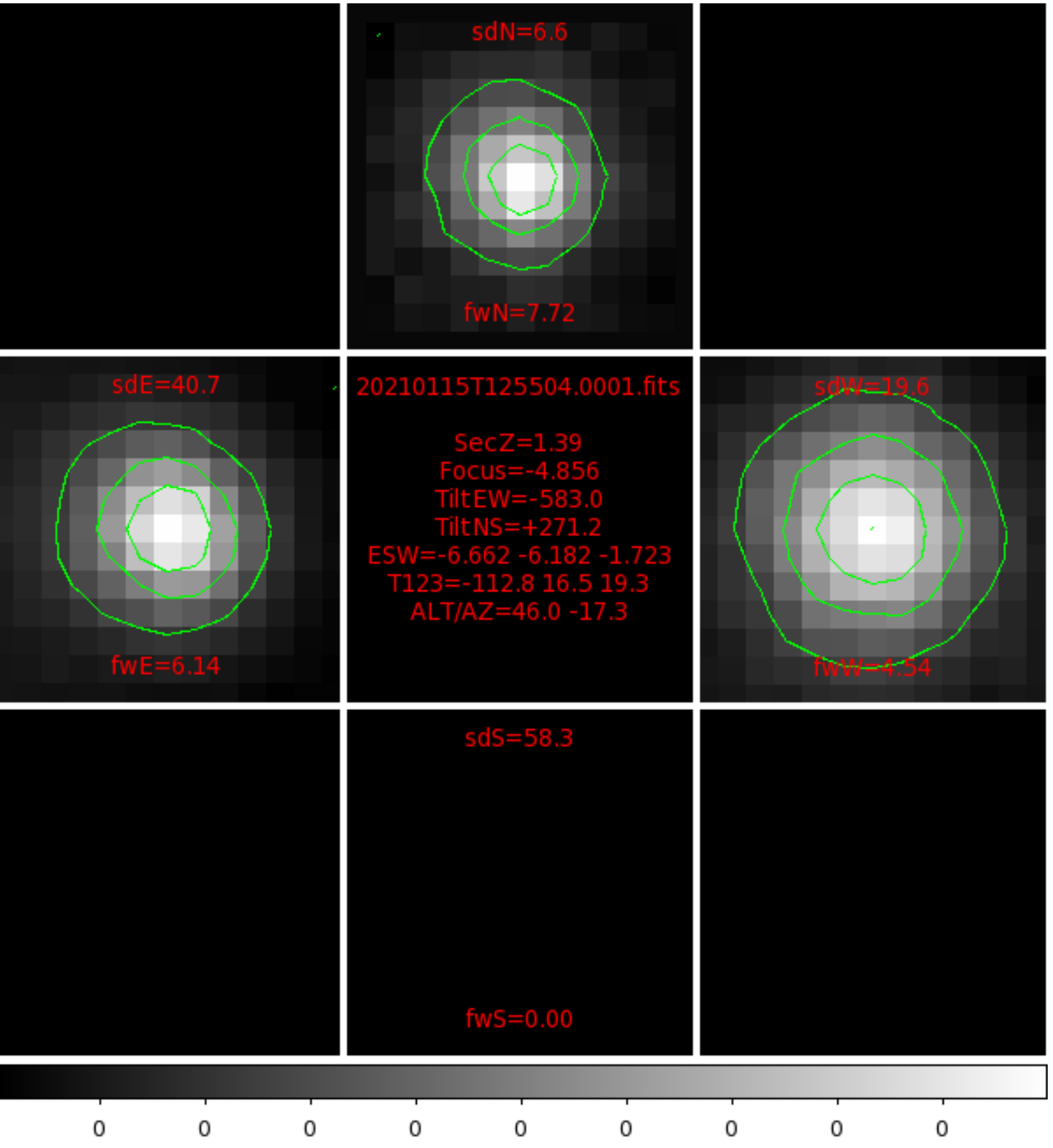
sdN=6.6
fwN=7.72
sdE=40.7
fwE=6.14
20210115T125504.0001.fits
SecZ=1.39
Focus=-4.856
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.662 -6.182 -1.723
T123=-112.8 16.5 19.3
ALT/AZ=46.0 -17.3
sdW=19.6
fwW=4.54
sdS=58.3
fwS=0.00
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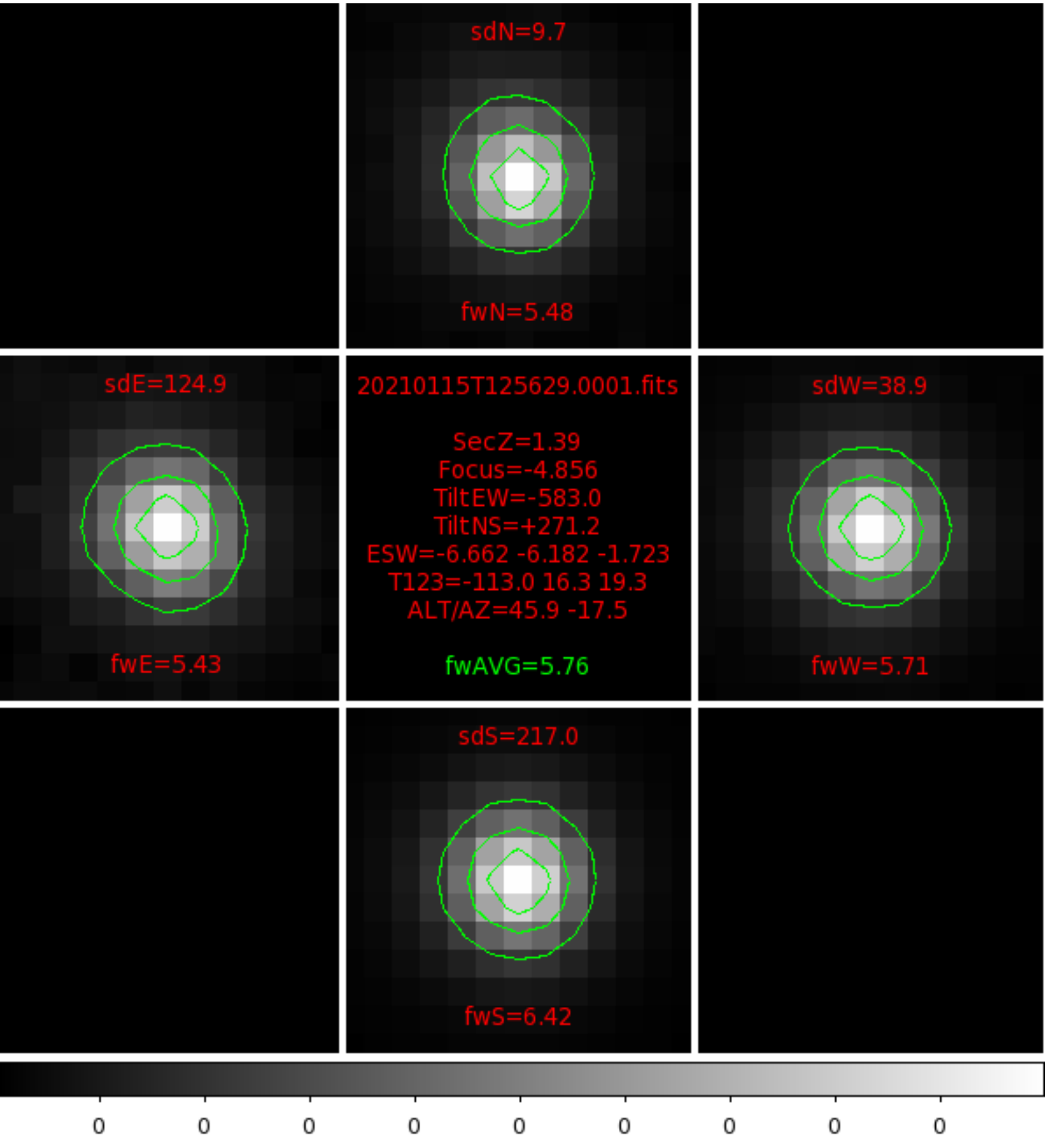
sdN=9.7
fwN=5.48
sdE=124.9
fwE=5.43
20210115T125629.0001.fits
SecZ=1.39
Focus=-4.856
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.662 -6.182 -1.723
T123=-113.0 16.3 19.3
ALT/AZ=45.9 -17.5
fwAVG=5.76
sdW=38.9
fwW=5.71
sdS=217.0
fwS=6.42
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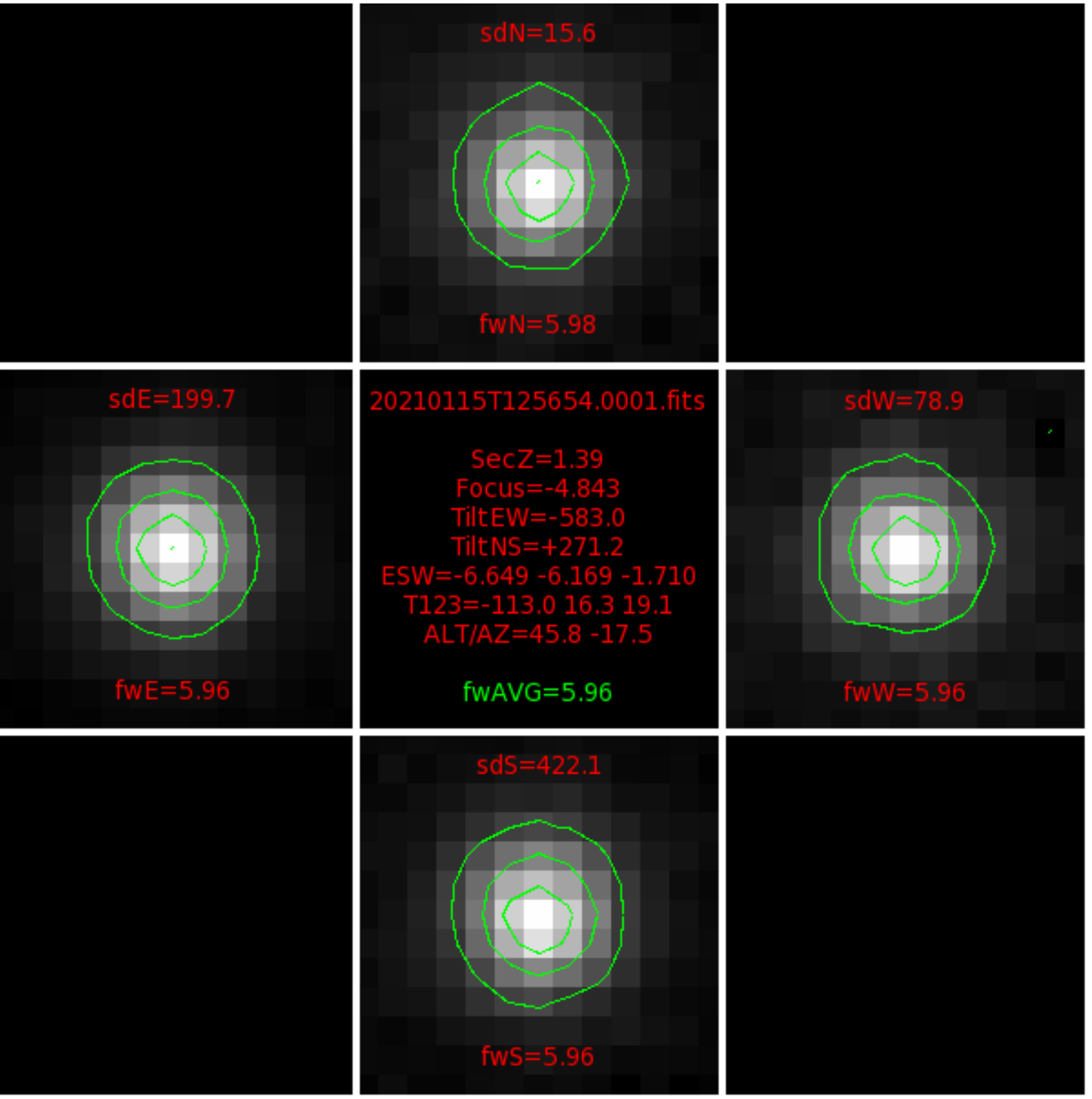
sdN=15.6
fwN=5.98
sdE=199.7
fwE=5.96
20210115T125654.0001.fits
SecZ=1.39
Focus=-4.843
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.649 -6.169 -1.710
T123=-113.0 16.3 19.1
ALT/AZ=45.8 -17.5
fwAVG=5.96
sdW=78.9
fwW=5.96
sdS=422.1
fwS=5.96
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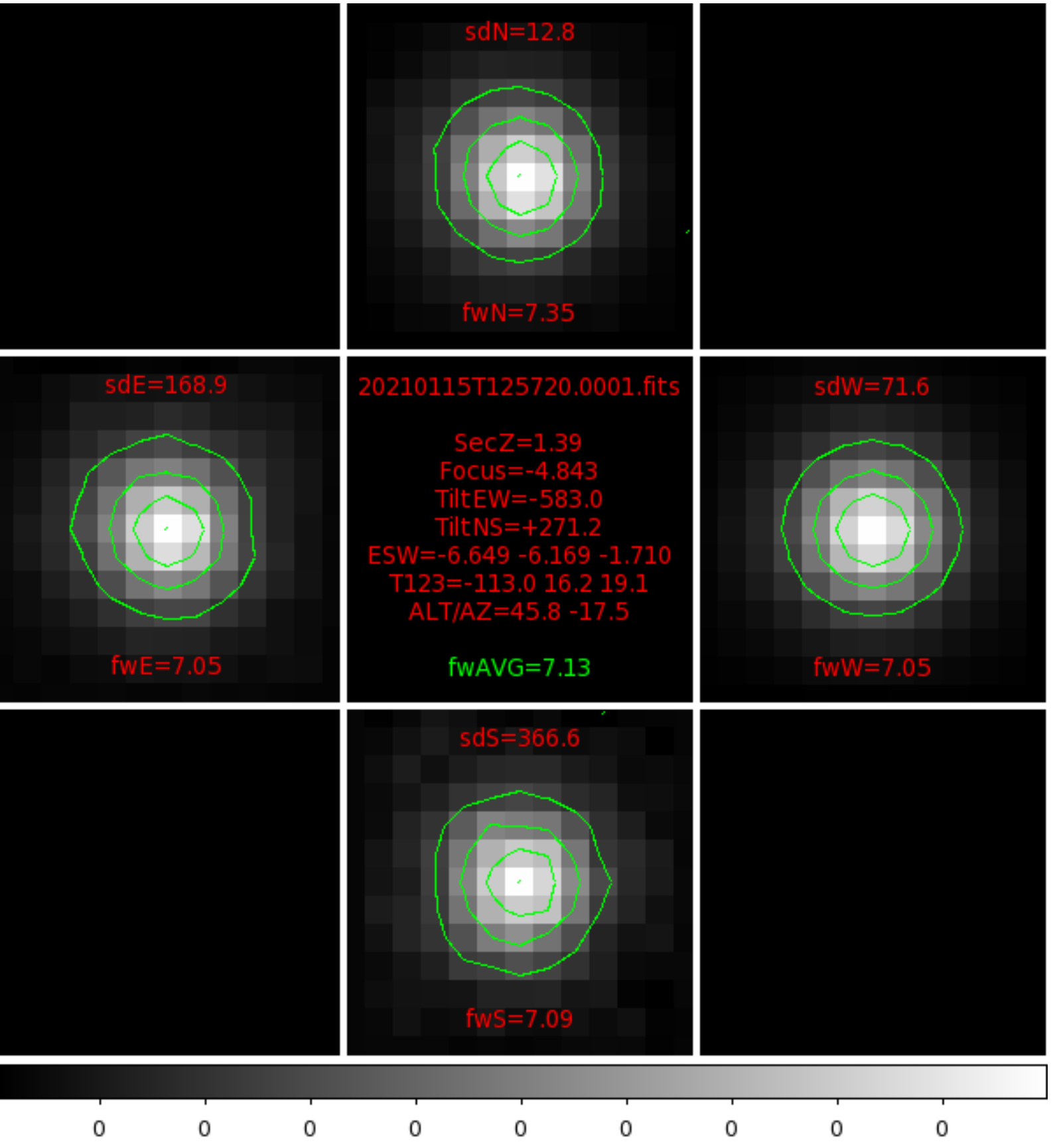
sdN=12.8
fwN=7.35
sdE=168.9
fwE=7.05
20210115T125720.0001.fits
SecZ=1.39
Focus=-4.843
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.649 -6.169 -1.710
T123=-113.0 16.2 19.1
ALT/AZ=45.8 -17.5
fwAVG=7.13
sdW=71.6
fwW=7.05
sdS=366.6
fwS=7.09
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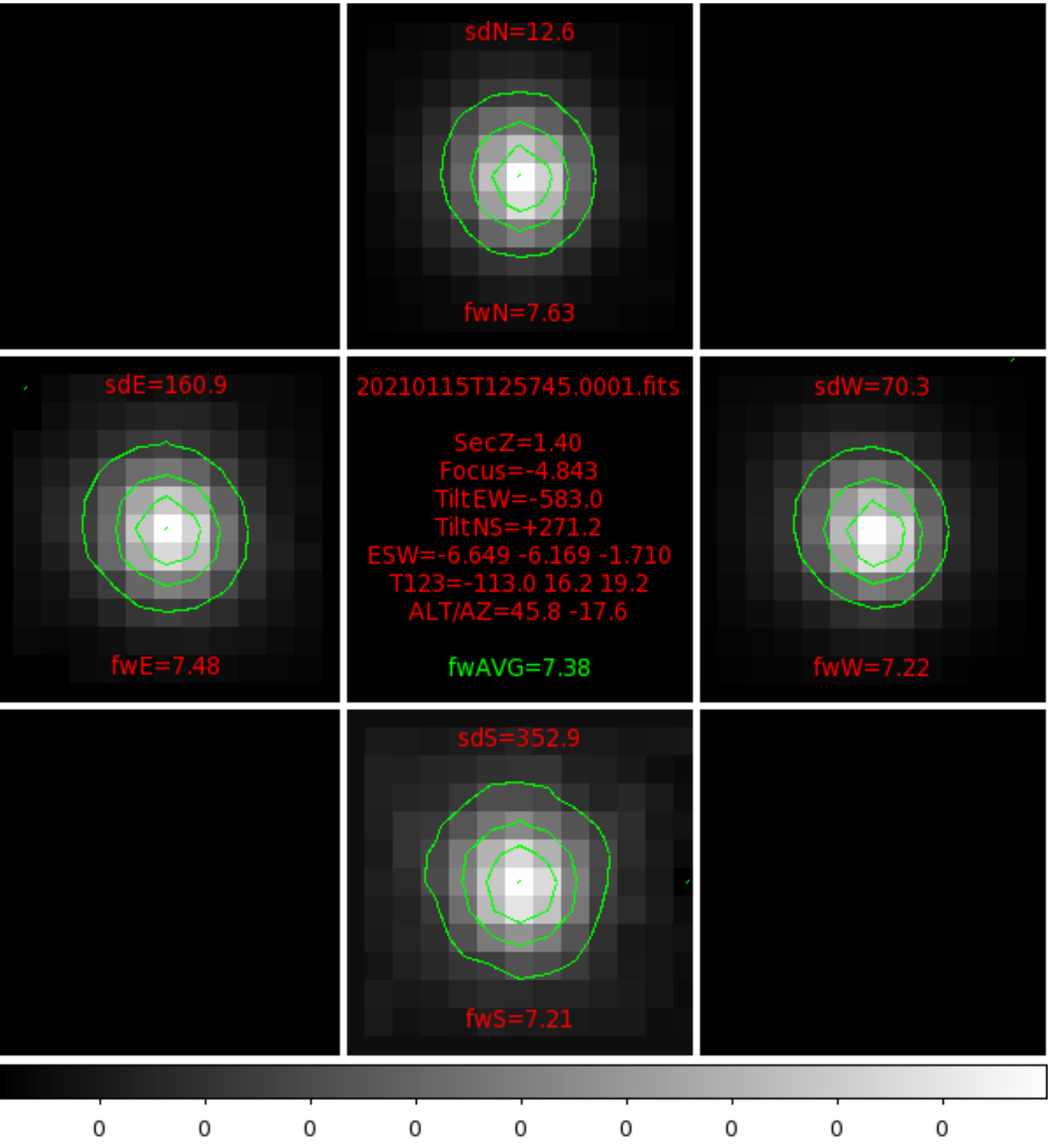
sdN=12.6
fwN=7.63
sdE=160.9
fwE=7.48
20210115T125745.0001.fits
SecZ=1.40
Focus=-4.843
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.649 -6.169 -1.710
T123=-113.0 16.2 19.2
ALT/AZ=45.8 -17.6
fwAVG=7.38
sdW=70.3
fwW=7.22
sdS=352.9
fwS=7.21
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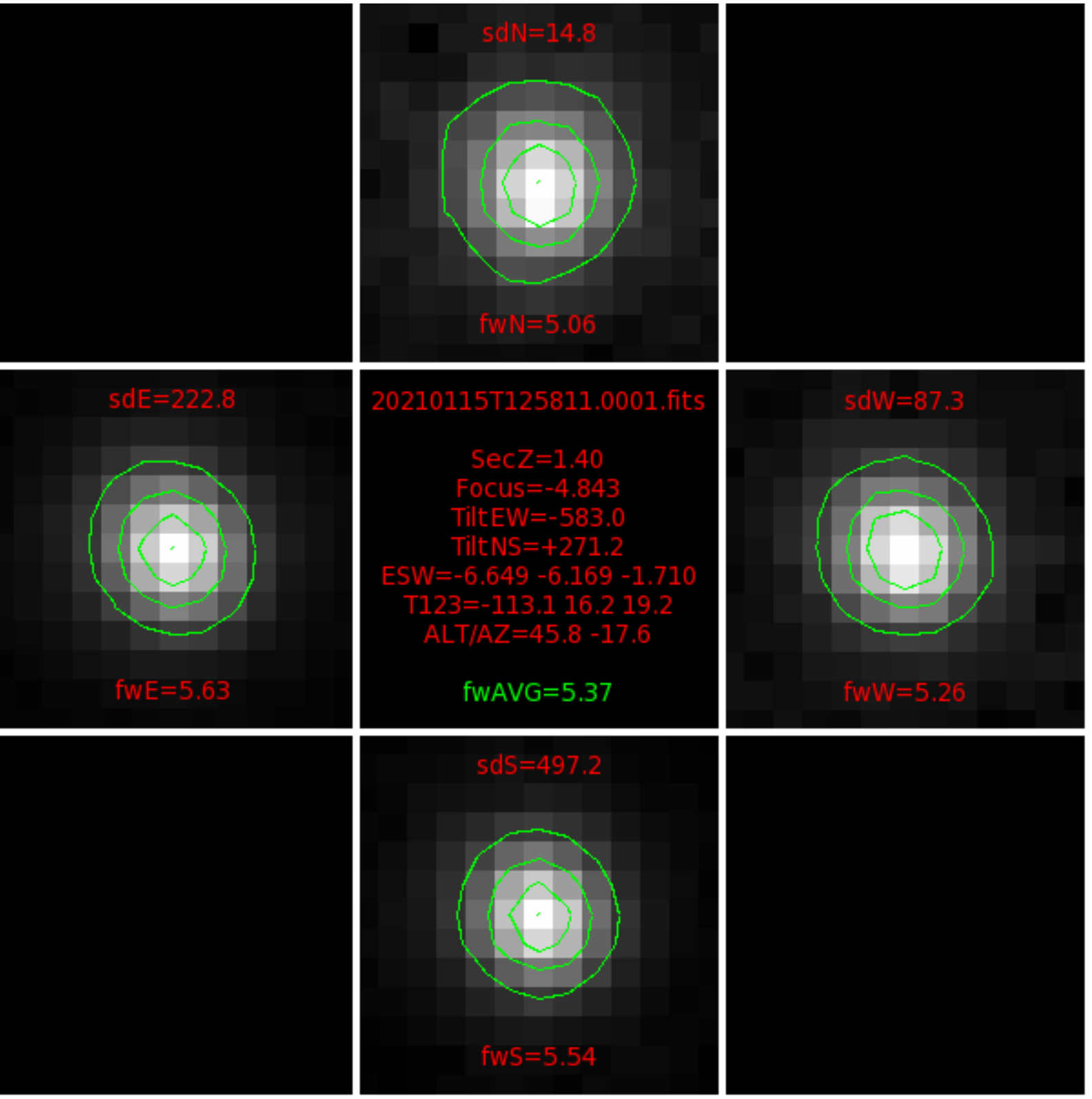
sdN=14.8
fwN=5.06
sdE=222.8
fwE=5.63
20210115T125811.0001.fits
SecZ=1.40
Focus=-4.843
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.649 -6.169 -1.710
T123=-113.1 16.2 19.2
ALT/AZ=45.8 -17.6
fwAVG=5.37
sdW=87.3
fwW=5.26
sdS=497.2
fwS=5.54
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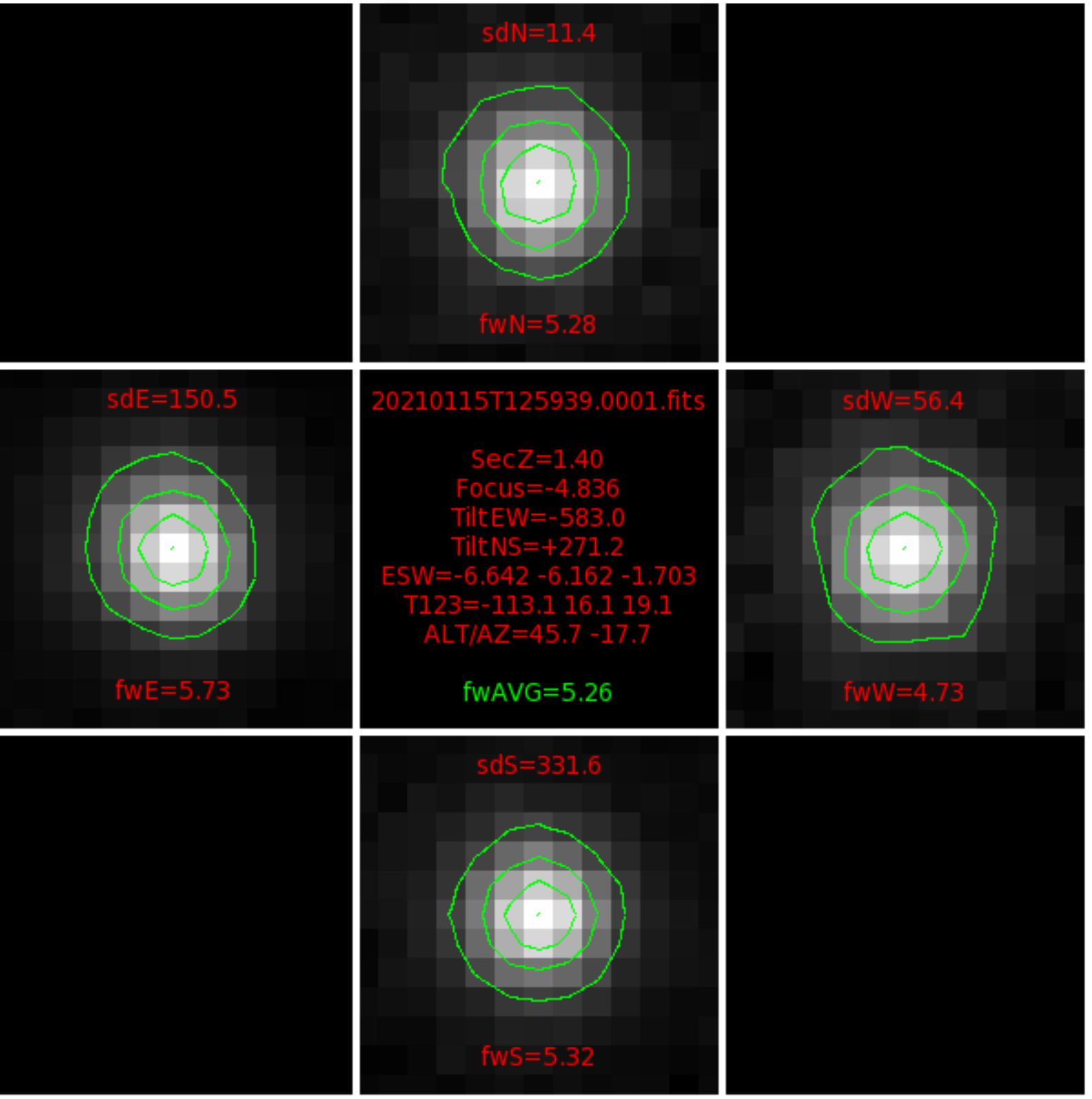
sdN=11.4
fwN=5.28
sdE=150.5
fwE=5.73
20210115T125939.0001.fits
SecZ=1.40
Focus=-4.836
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.642 -6.162 -1.703
T123=-113.1 16.1 19.1
ALT/AZ=45.7 -17.7
fwAVG=5.26
sdW=56.4
fwW=4.73
sdS=331.6
fwS=5.32
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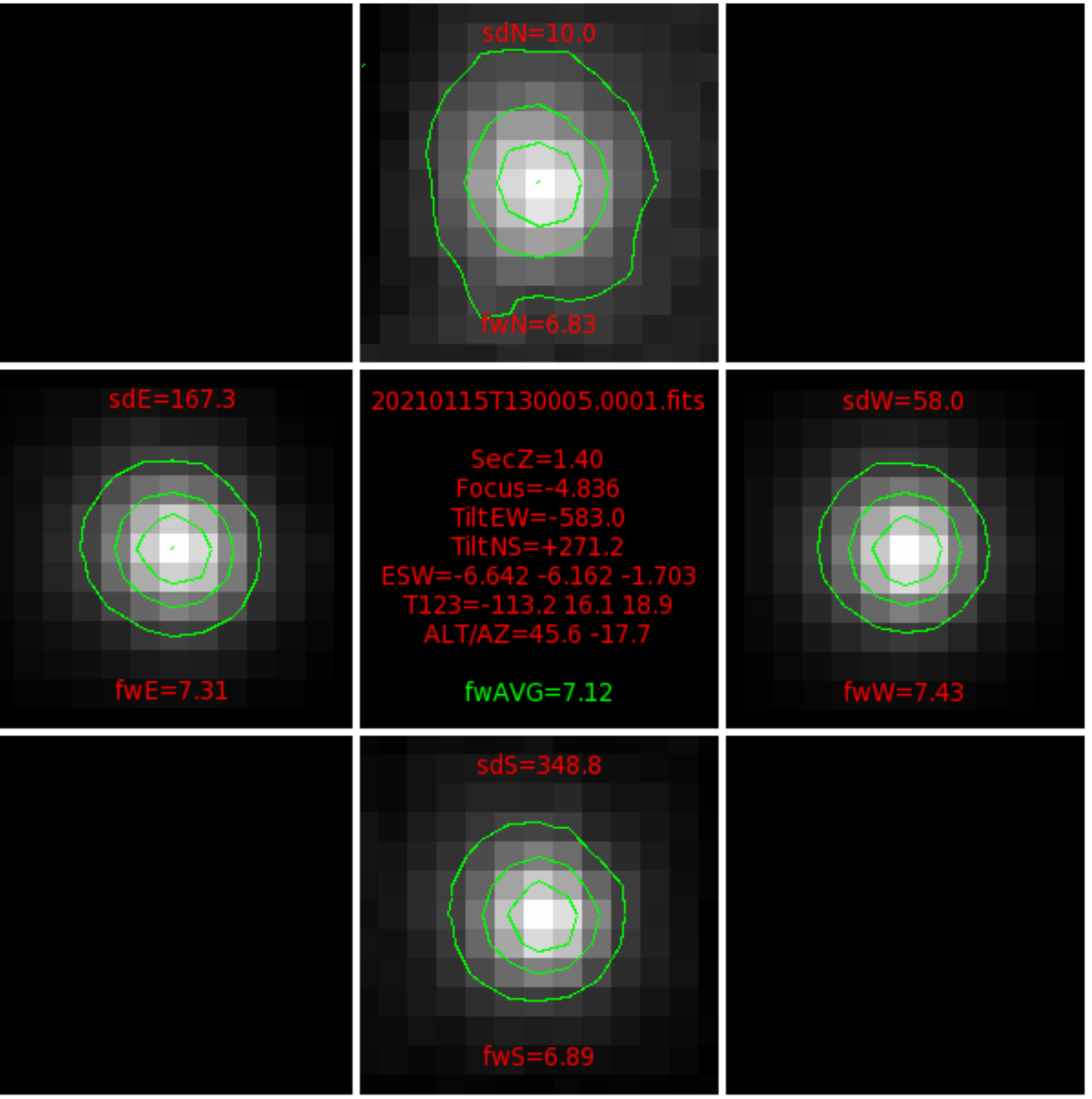
sdN=10.0
fwN=6.83
sdE=167.3
fwE=7.31
20210115T130005.0001.fits
SecZ=1.40
Focus=-4.836
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.642 -6.162 -1.703
T123=-113.2 16.1 18.9
ALT/AZ=45.6 -17.7
fwAVG=7.12
sdW=58.0
fwW=7.43
sdS=348.8
fwS=6.89
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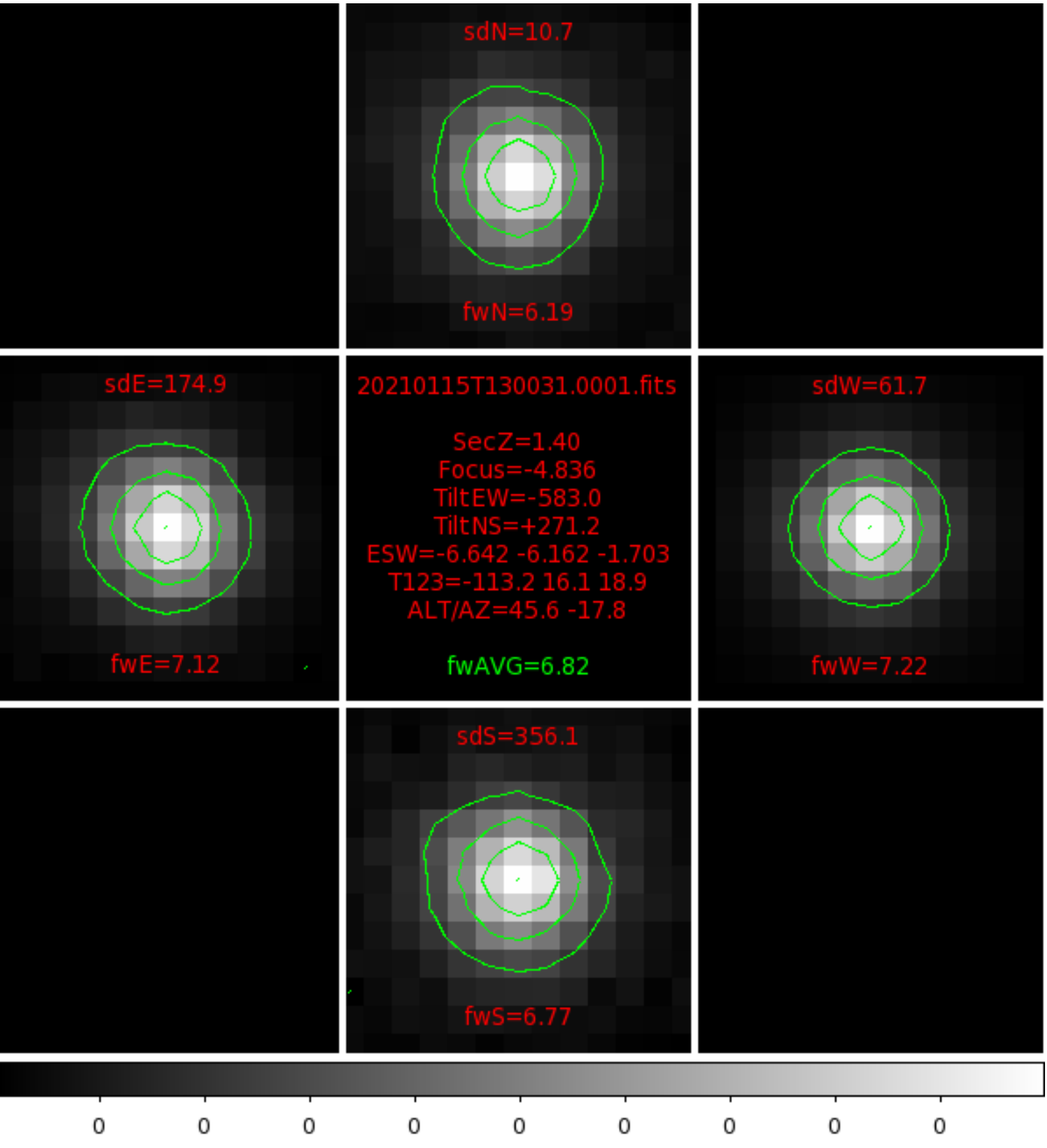
sdN=10.7
fwN=6.19
sdE=174.9
fwE=7.12
20210115T130031.0001.fits
SecZ=1.40
Focus=-4.836
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.642 -6.162 -1.703
T123=-113.2 16.1 18.9
ALT/AZ=45.6 -17.8
fwAVG=6.82
sdW=61.7
fwW=7.22
sdS=356.1
fwS=6.77
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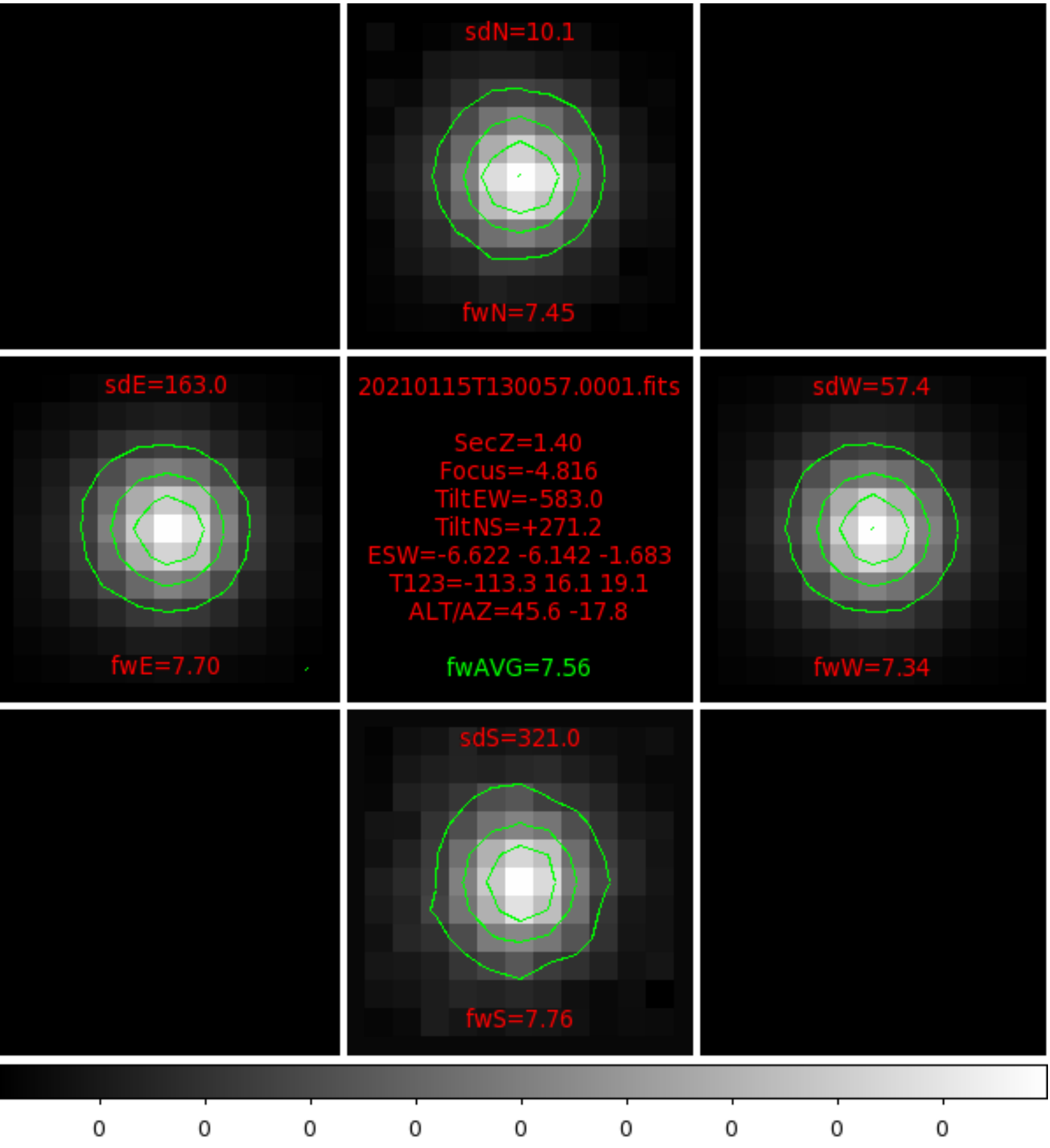
sdN=10.1
fwN=7.45
sdE=163.0
fwE=7.70
20210115T130057.0001.fits
SecZ=1.40
Focus=-4.816
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.622 -6.142 -1.683
T123=-113.3 16.1 19.1
ALT/AZ=45.6 -17.8
fwAVG=7.56
sdW=57.4
fwW=7.34
sdS=321.0
fwS=7.76
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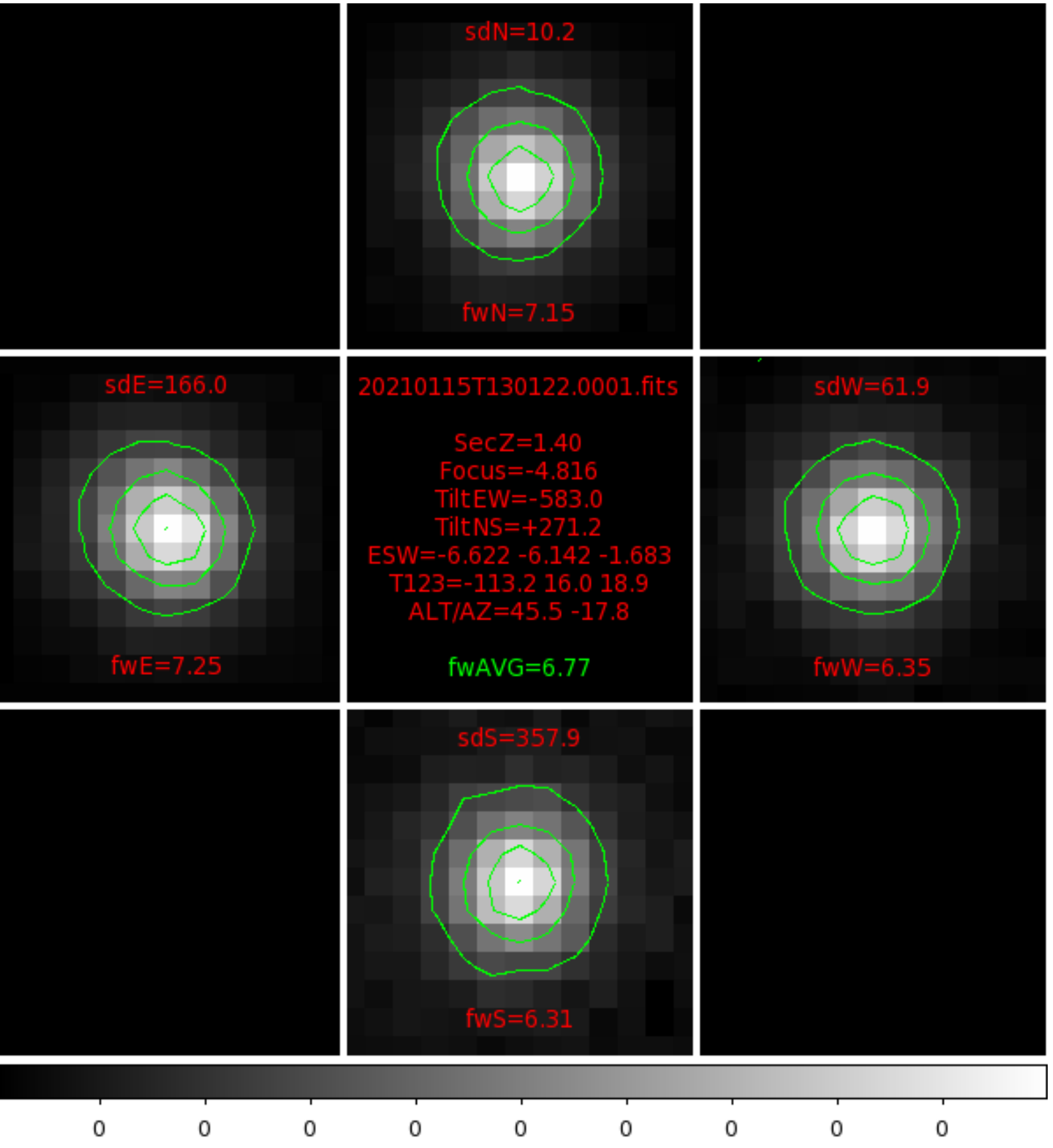
sdN=10.2
fwN=7.15
sdE=166.0
fwE=7.25
20210115T130122.0001.fits
SecZ=1.40
Focus=-4.816
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.622 -6.142 -1.683
T123=-113.2 16.0 18.9
ALT/AZ=45.5 -17.8
fwAVG=6.77
sdW=61.9
fwW=6.35
sdS=357.9
fwS=6.31
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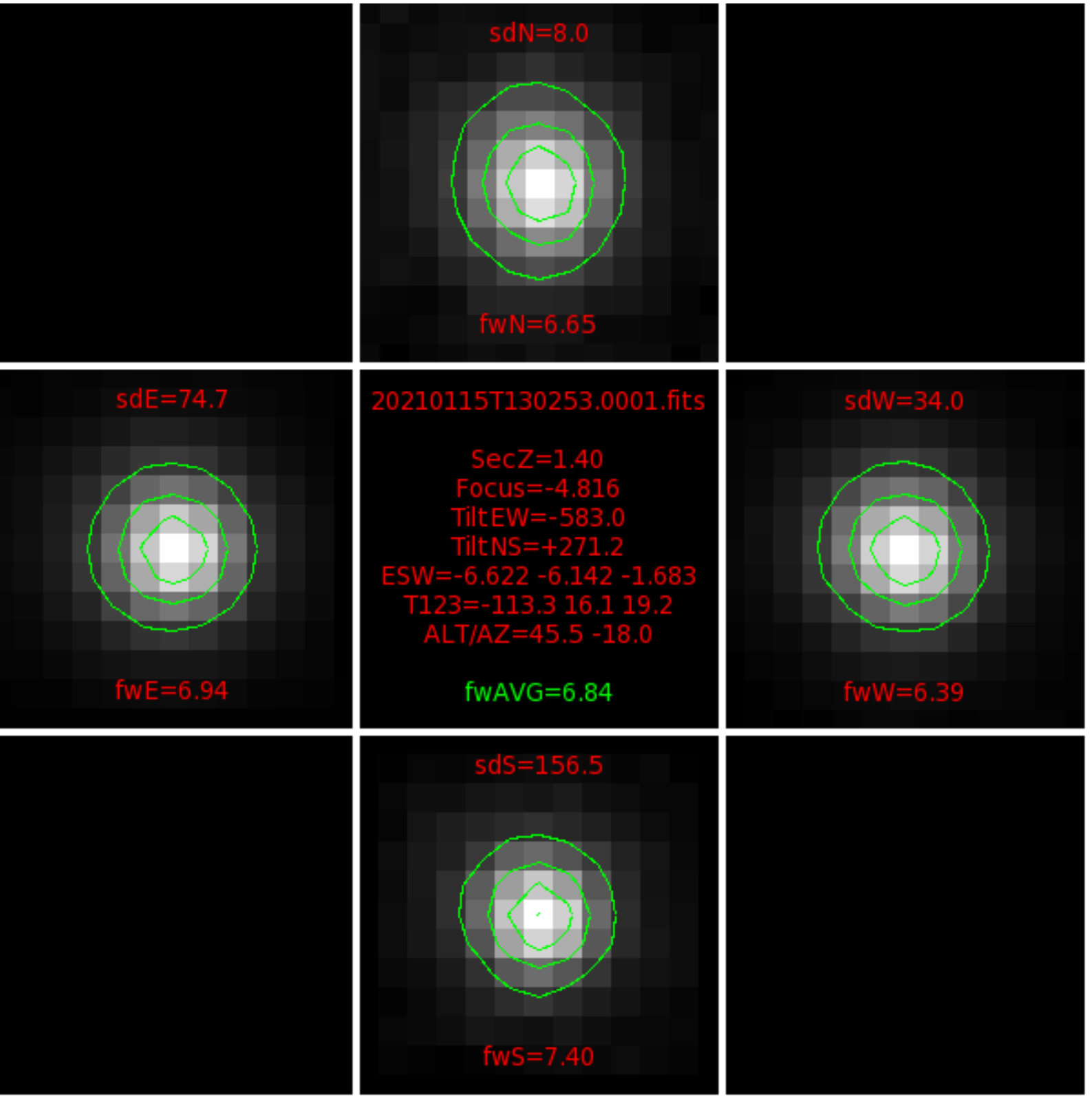
sdN=8.0
fwN=6.65
sdE=74.7
fwE=6.94
20210115T130253.0001.fits
SecZ=1.40
Focus=-4.816
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.622 -6.142 -1.683
T123=-113.3 16.1 19.2
ALT/AZ=45.5 -18.0
fwAVG=6.84
sdW=34.0
fwW=6.39
sdS=156.5
fwS=7.40
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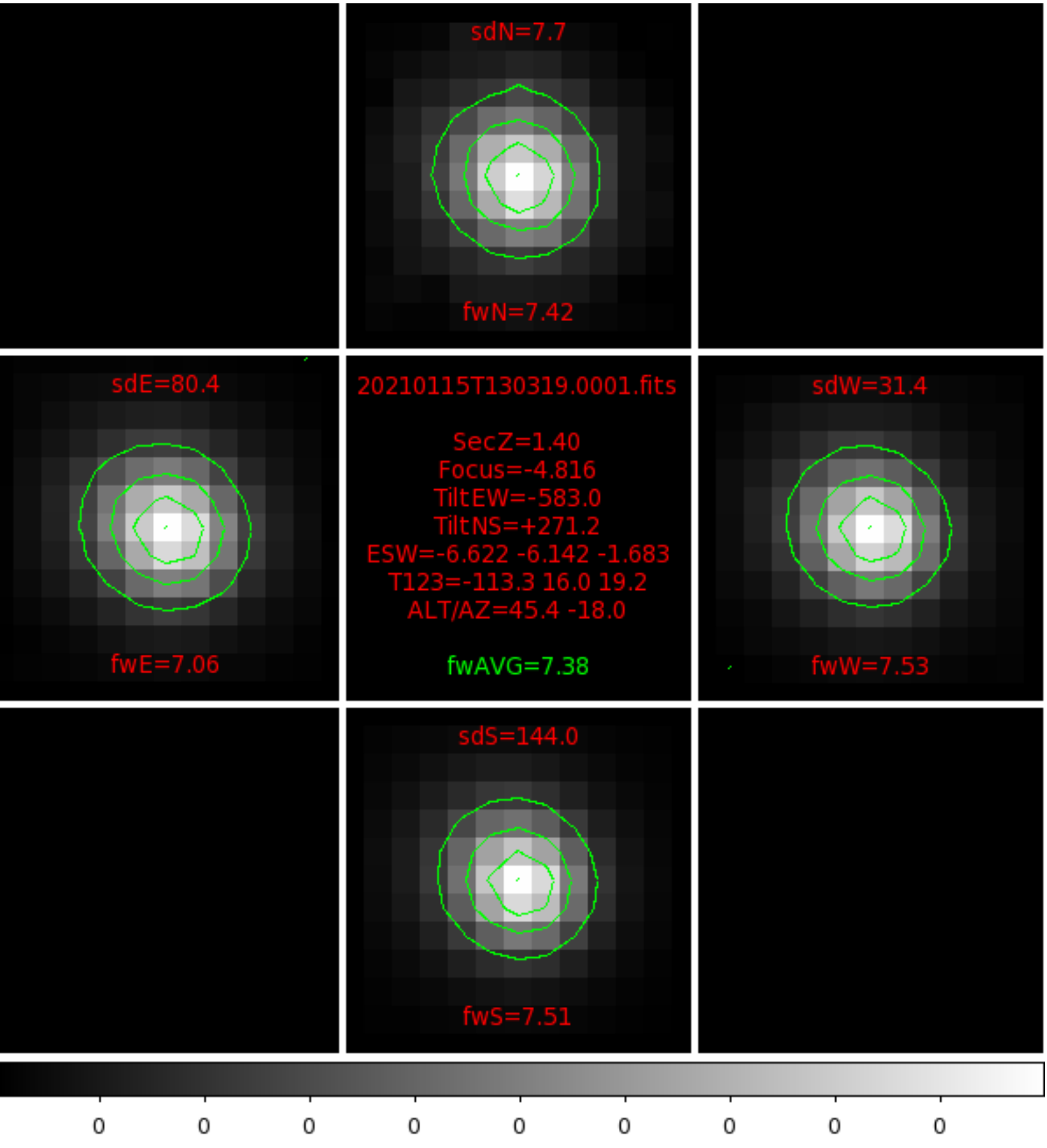
sdN=7.7
fwN=7.42
sdE=80.4
fwE=7.06
20210115T130319.0001.fits
SecZ=1.40
Focus=-4.816
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.622 -6.142 -1.683
T123=-113.3 16.0 19.2
ALT/AZ=45.4 -18.0
fwAVG=7.38
sdW=31.4
fwW=7.53
sdS=144.0
fwS=7.51
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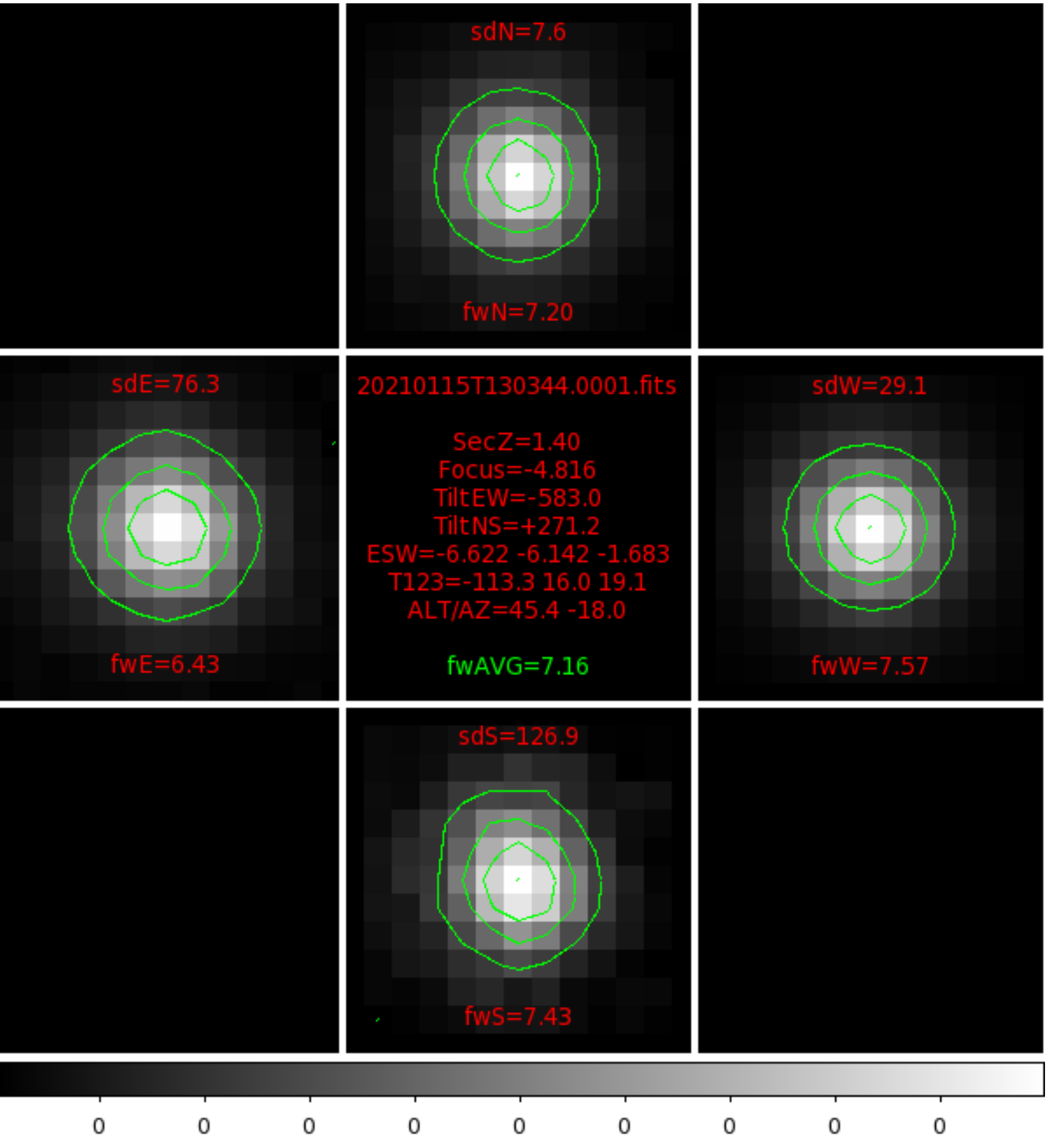
sdN=7.6
fwN=7.20
sdE=76.3
fwE=6.43
20210115T130344.0001.fits
SecZ=1.40
Focus=-4.816
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.622 -6.142 -1.683
T123=-113.3 16.0 19.1
ALT/AZ=45.4 -18.0
fwAVG=7.16
sdW=29.1
fwW=7.57
sdS=126.9
fwS=7.43
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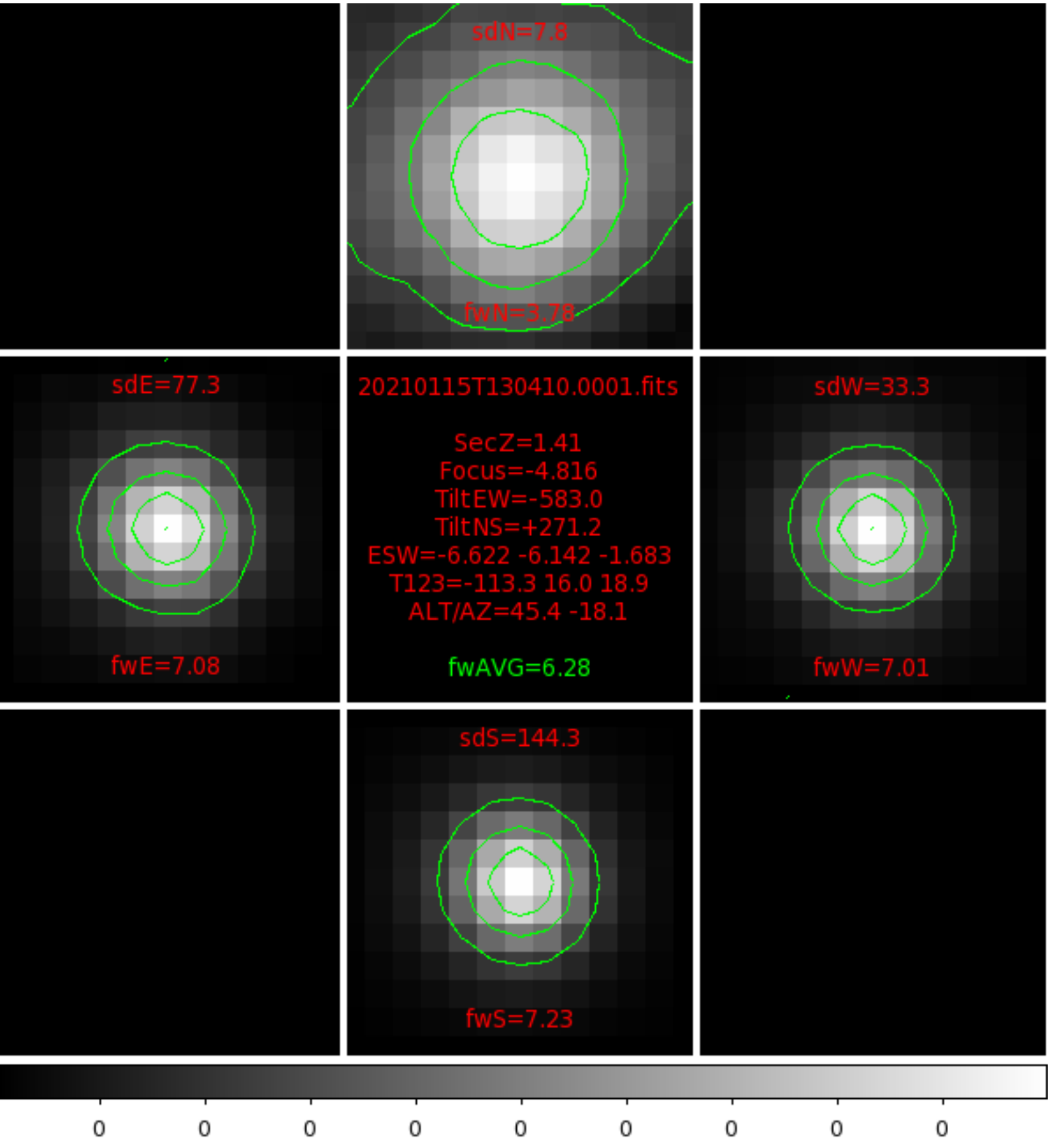
sdN=7.8
fwN=3.78
sdE=77.3
fwE=7.08
20210115T130410.0001.fits
SecZ=1.41
Focus=-4.816
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.622 -6.142 -1.683
T123=-113.3 16.0 18.9
ALT/AZ=45.4 -18.1
fwAVG=6.28
sdW=33.3
fwW=7.01
sdS=144.3
fwS=7.23
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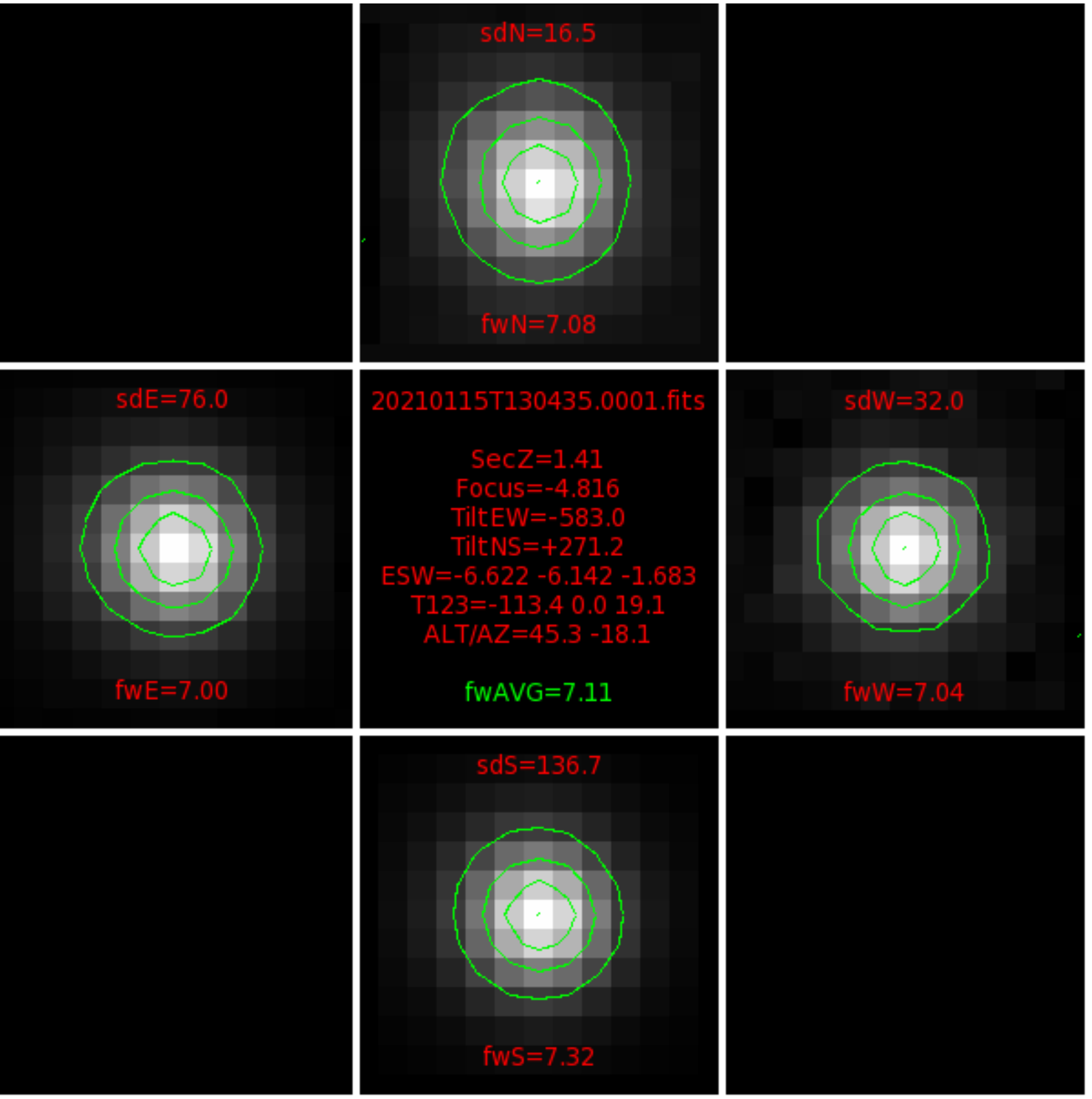
sdN=16.5
fwN=7.08
sdE=76.0
fwE=7.00
20210115T130435.0001.fits
SecZ=1.41
Focus=-4.816
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.622 -6.142 -1.683
T123=-113.4 0.0 19.1
ALT/AZ=45.3 -18.1
fwAVG=7.11
sdW=32.0
fwW=7.04
sdS=136.7
fwS=7.32
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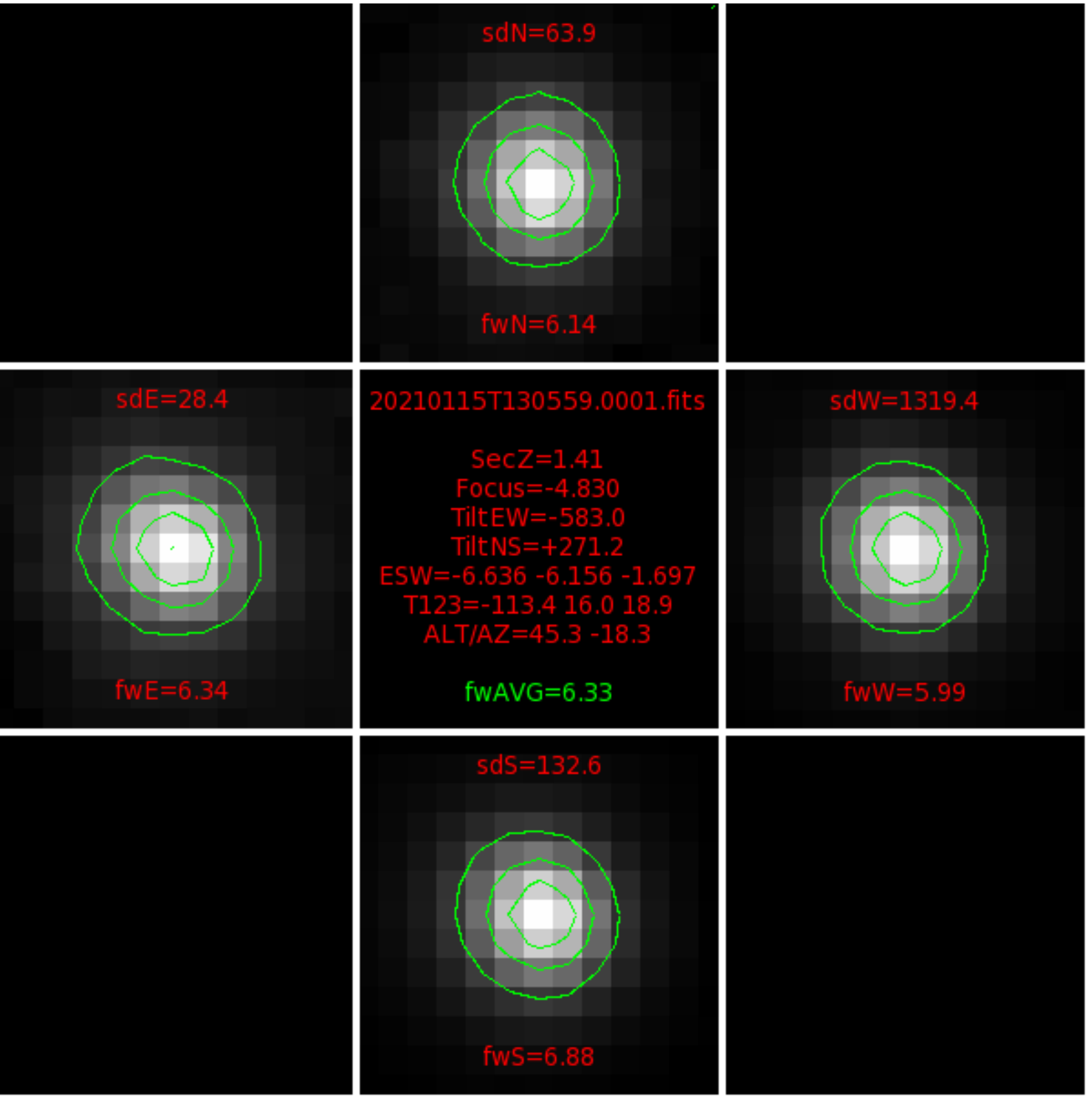
sdN=63.9
fwN=6.14
sdE=28.4
fwE=6.34
20210115T130559.0001.fits
SecZ=1.41
Focus=-4.830
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.636 -6.156 -1.697
T123=-113.4 16.0 18.9
ALT/AZ=45.3 -18.3
fwAVG=6.33
sdW=1319.4
fwW=5.99
sdS=132.6
fwS=6.88
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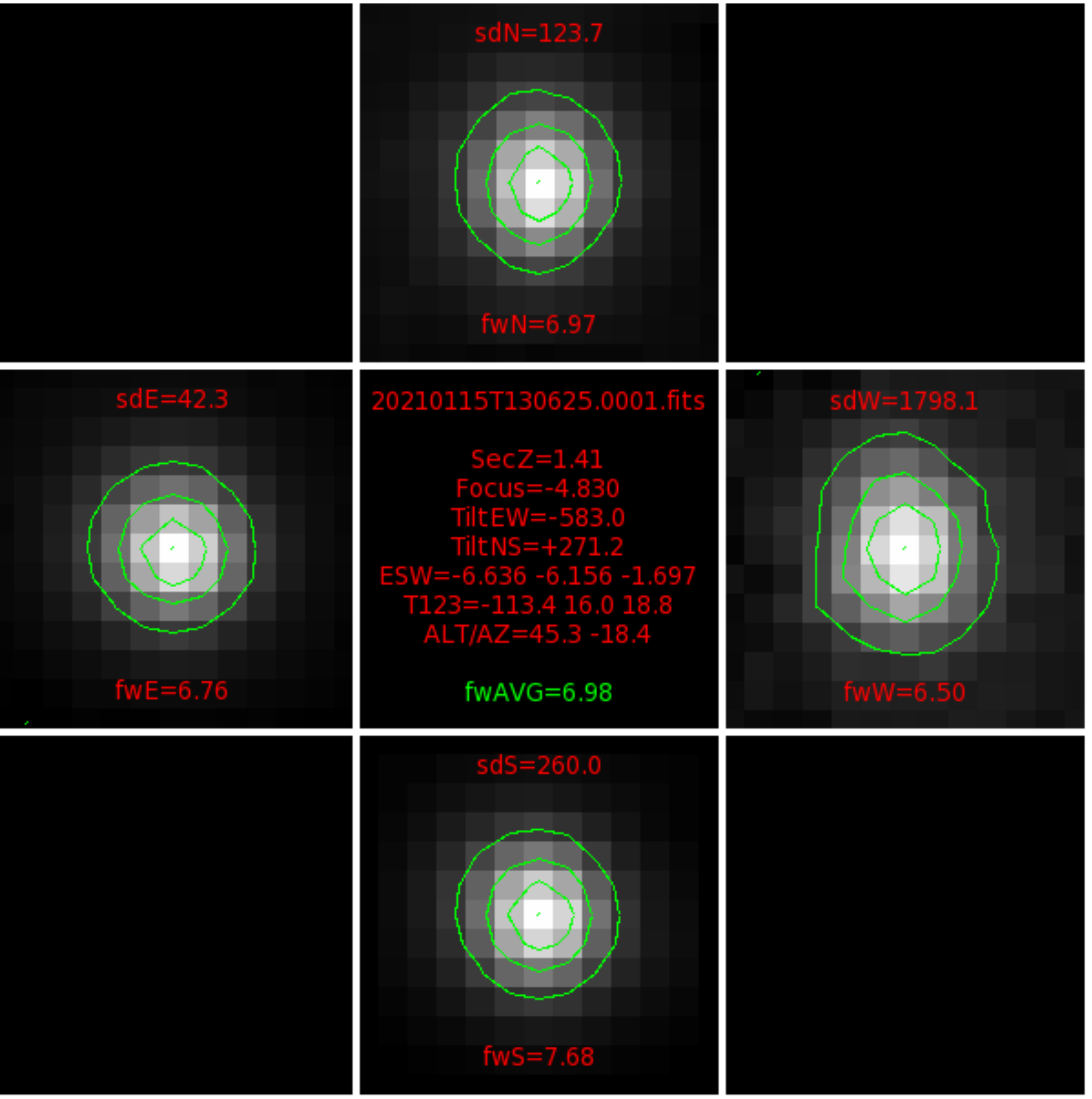
sdN=123.7
fwN=6.97
sdE=42.3
fwE=6.76
20210115T130625.0001.fits
SecZ=1.41
Focus=-4.830
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.636 -6.156 -1.697
T123=-113.4 16.0 18.8
ALT/AZ=45.3 -18.4
fwAVG=6.98
sdW=1798.1
fwW=6.50
sdS=260.0
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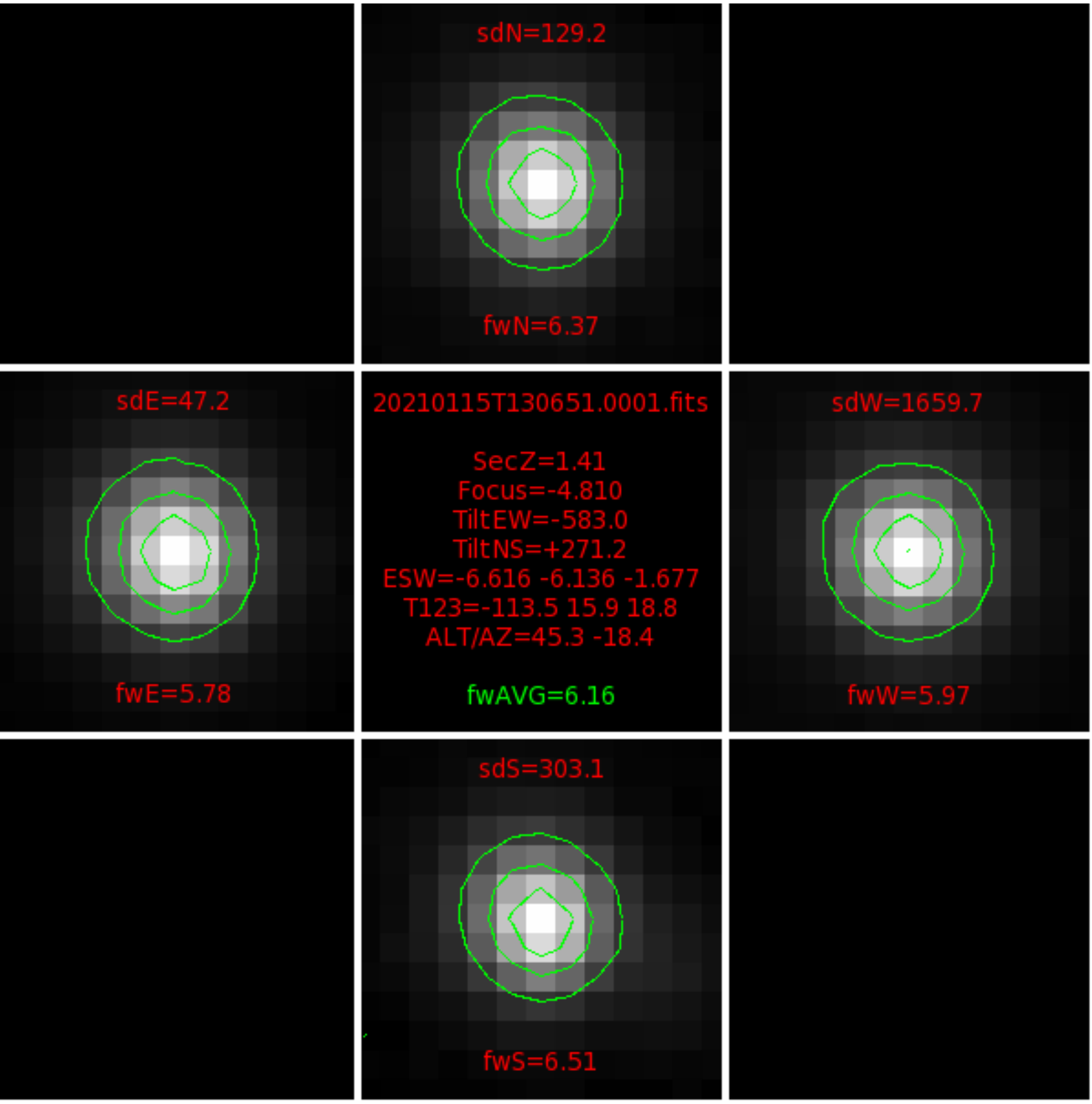
sdN=129.2
fwN=6.37
sdE=47.2
fwE=5.78
20210115T130651.0001.fits
SecZ=1.41
Focus=-4.810
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.616 -6.136 -1.677
T123=-113.5 15.9 18.8
ALT/AZ=45.3 -18.4
fwAVG=6.16
sdW=1659.7
fwW=5.97
sdS=303.1
fwS=6.51
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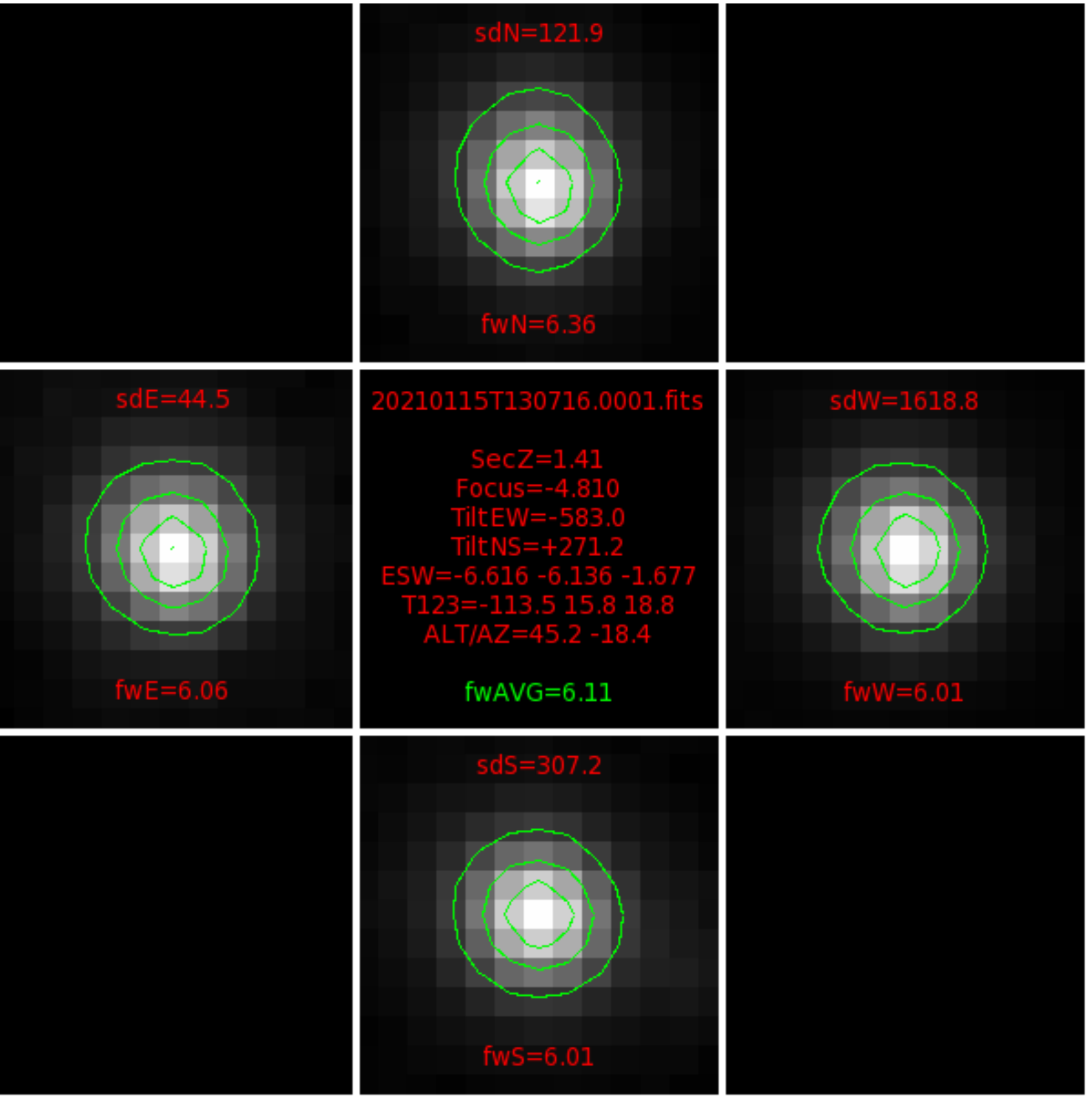
sdN=121.9
fwN=6.36
sdE=44.5
fwE=6.06
20210115T130716.0001.fits
SecZ=1.41
Focus=-4.810
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.616 -6.136 -1.677
T123=-113.5 15.8 18.8
ALT/AZ=45.2 -18.4
fwAVG=6.11
sdW=1618.8
fwW=6.01
sdS=307.2
fwS=6.01
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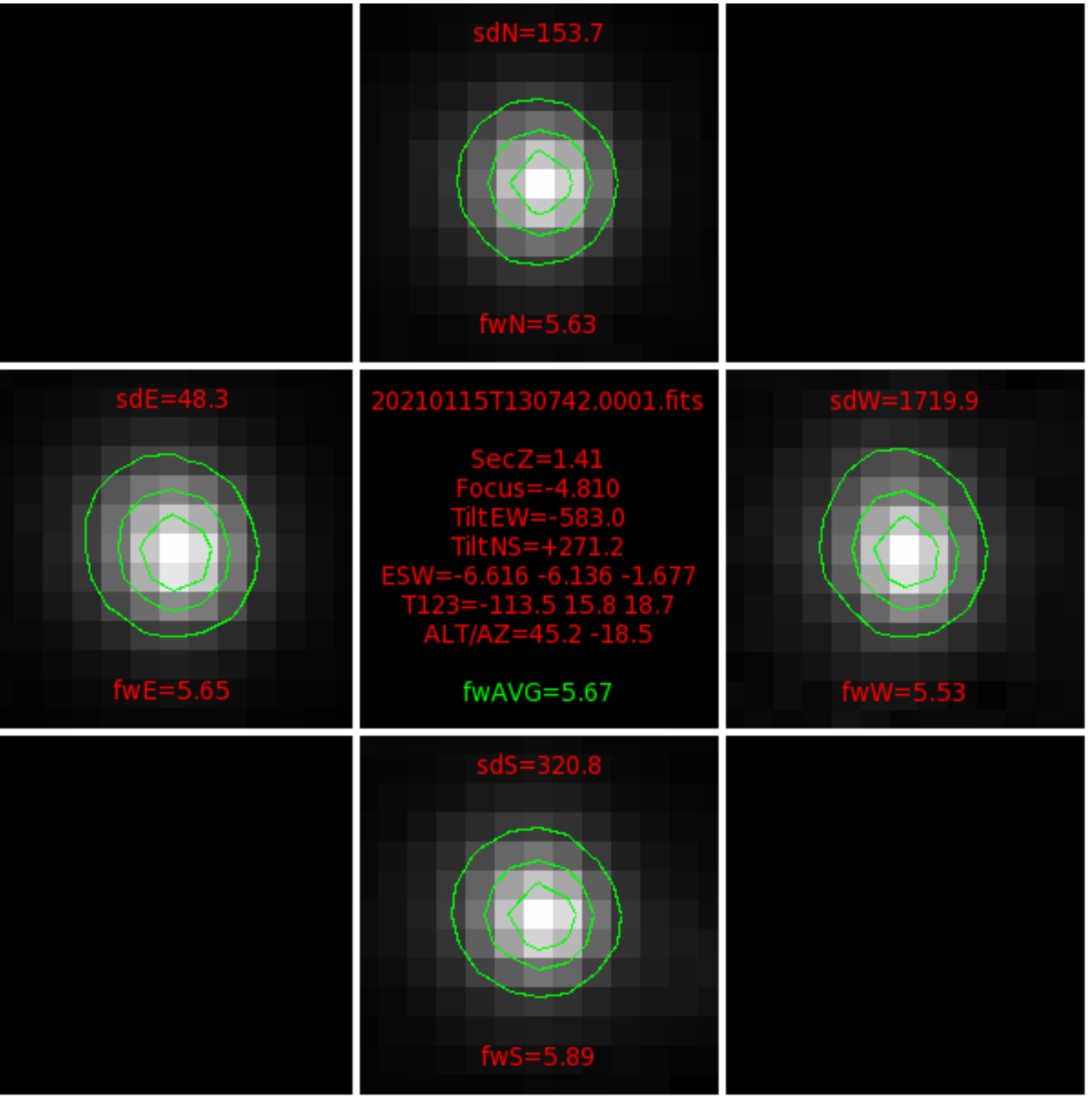
sdN=153.7
fwN=5.63
sdE=48.3
fwE=5.65
20210115T130742.0001.fits
SecZ=1.41
Focus=-4.810
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.616 -6.136 -1.677
T123=-113.5 15.8 18.7
ALT/AZ=45.2 -18.5
fwAVG=5.67
sdW=1719.9
fwW=5.53
sdS=320.8
fwS=5.89
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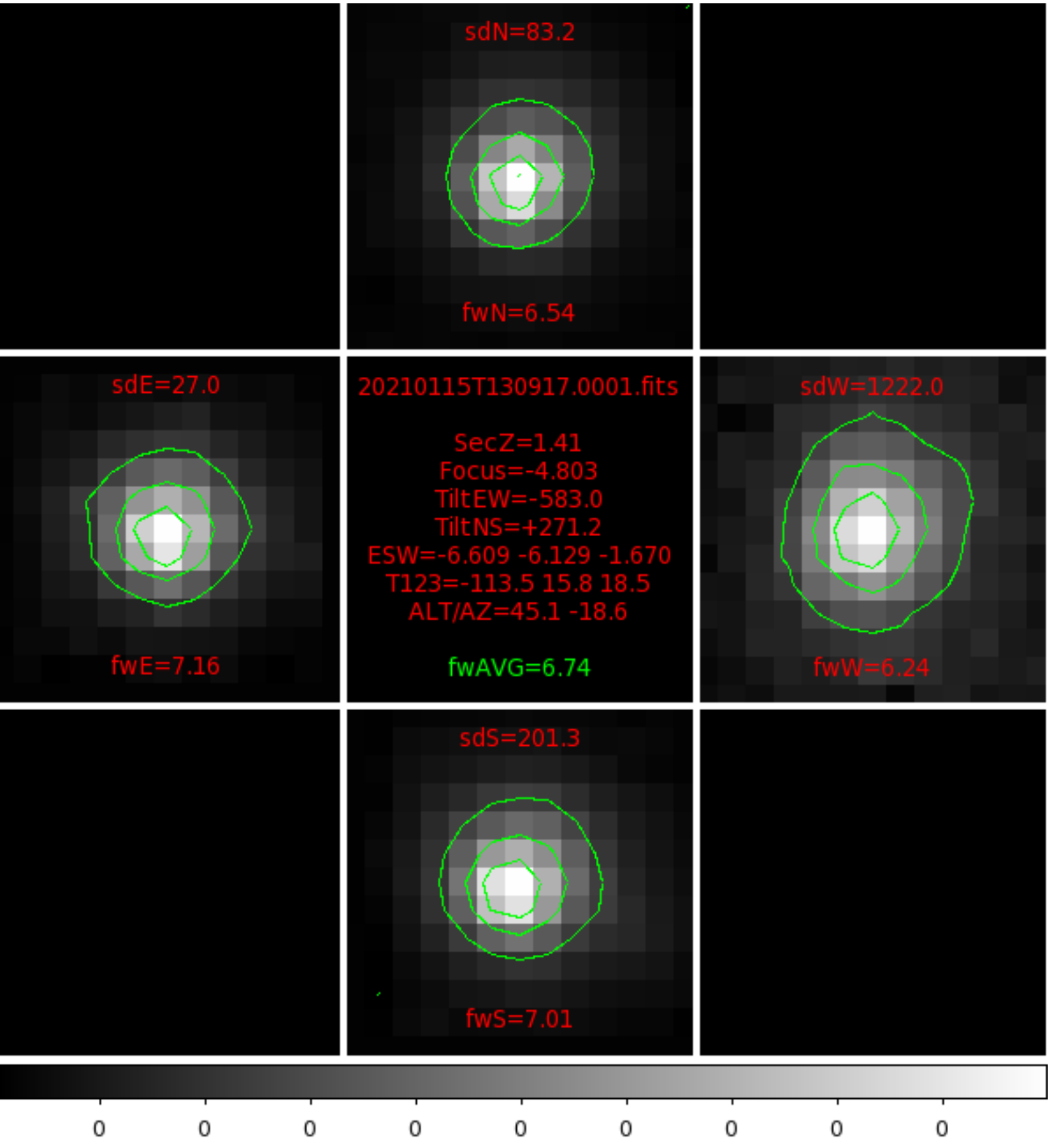
sdN=83.2
fwN=6.54
sdE=27.0
fwE=7.16
20210115T130917.0001.fits
SecZ=1.41
Focus=-4.803
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.609 -6.129 -1.670
T123=-113.5 15.8 18.5
ALT/AZ=45.1 -18.6
fwAVG=6.74
sdW=1222.0
fwW=6.24
sdS=201.3
fwS=7.01
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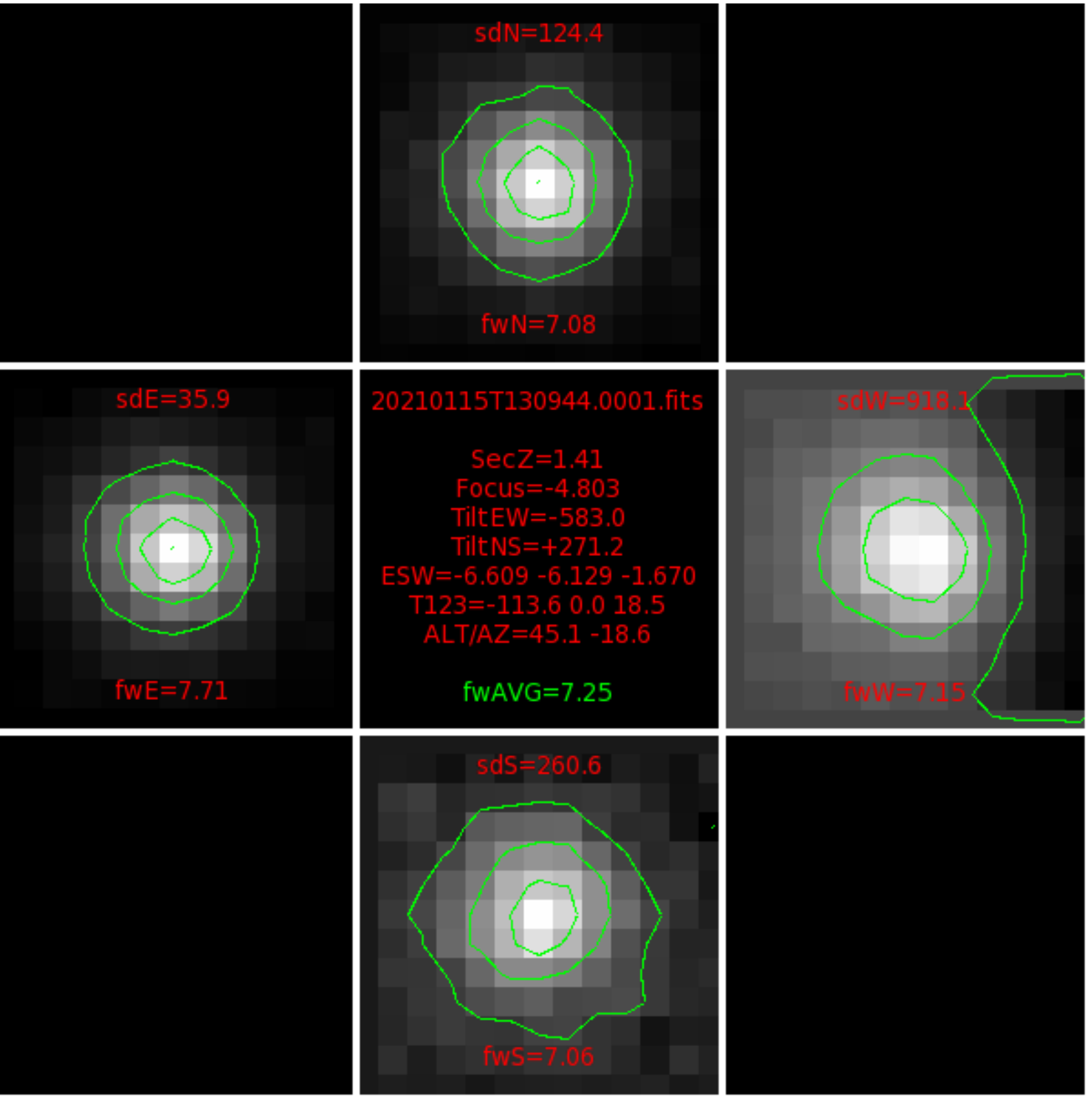
sdN=124.4
fwN=7.08
sdE=35.9
fwE=7.71
20210115T130944.0001.fits
SecZ=1.41
Focus=-4.803
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.609 -6.129 -1.670
T123=-113.6 0.0 18.5
ALT/AZ=45.1 -18.6
fwAVG=7.25
sdW=918.1
fwW=7.15
sdS=260.6
fwS=7.06
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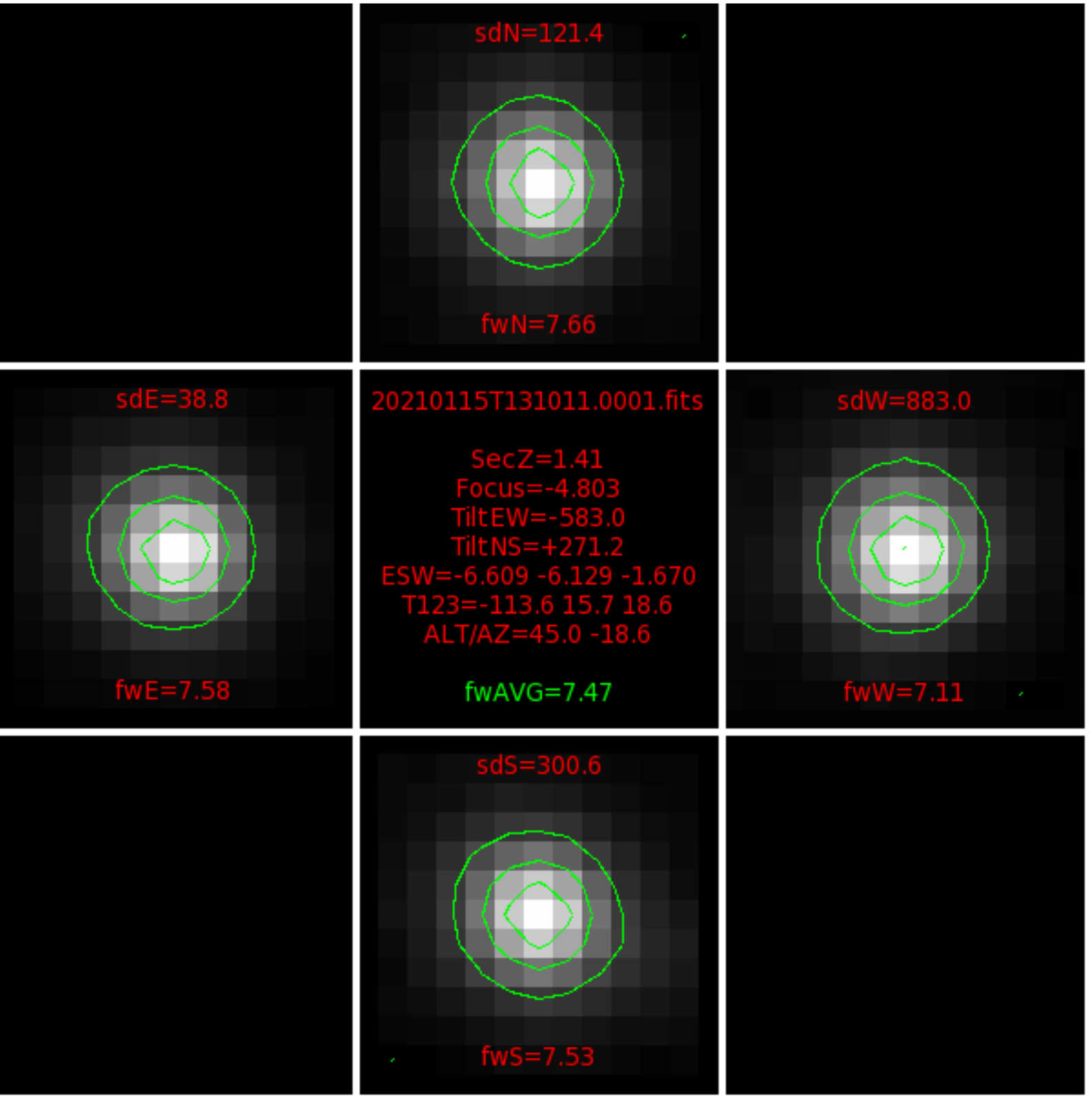
sdN=121.4
fwN=7.66
sdE=38.8
fwE=7.58
20210115T131011.0001.fits
SecZ=1.41
Focus=-4.803
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.609 -6.129 -1.670
T123=-113.6 15.7 18.6
ALT/AZ=45.0 -18.6
fwAVG=7.47
sdW=883.0
fwW=7.11
sdS=300.6
fwS=7.53
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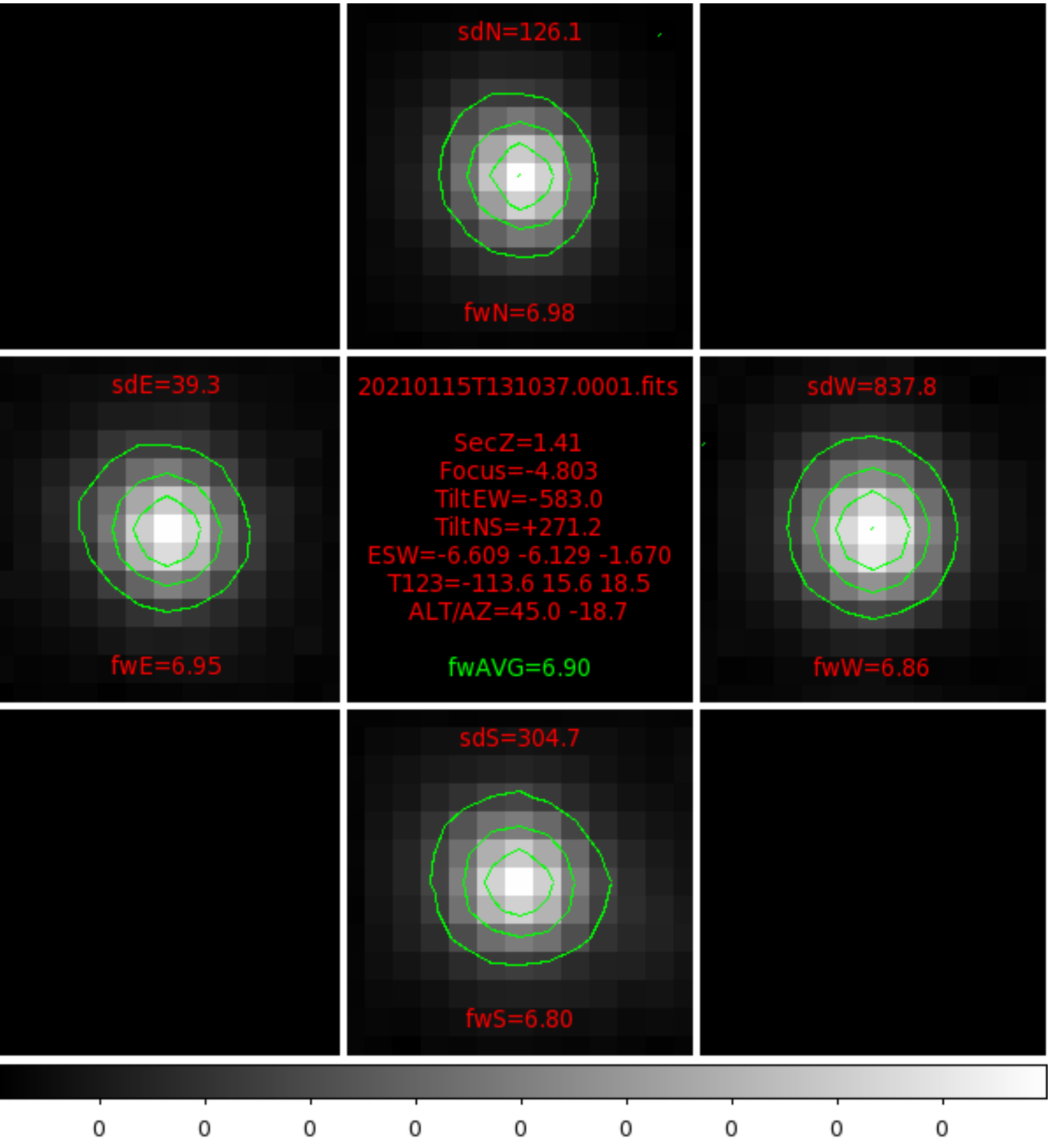
sdN=126.1
fwN=6.98
sdE=39.3
fwE=6.95
20210115T131037.0001.fits
SecZ=1.41
Focus=-4.803
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.609 -6.129 -1.670
T123=-113.6 15.6 18.5
ALT/AZ=45.0 -18.7
fwAVG=6.90
sdW=837.8
fwW=6.86
sdS=304.7
fwS=6.80
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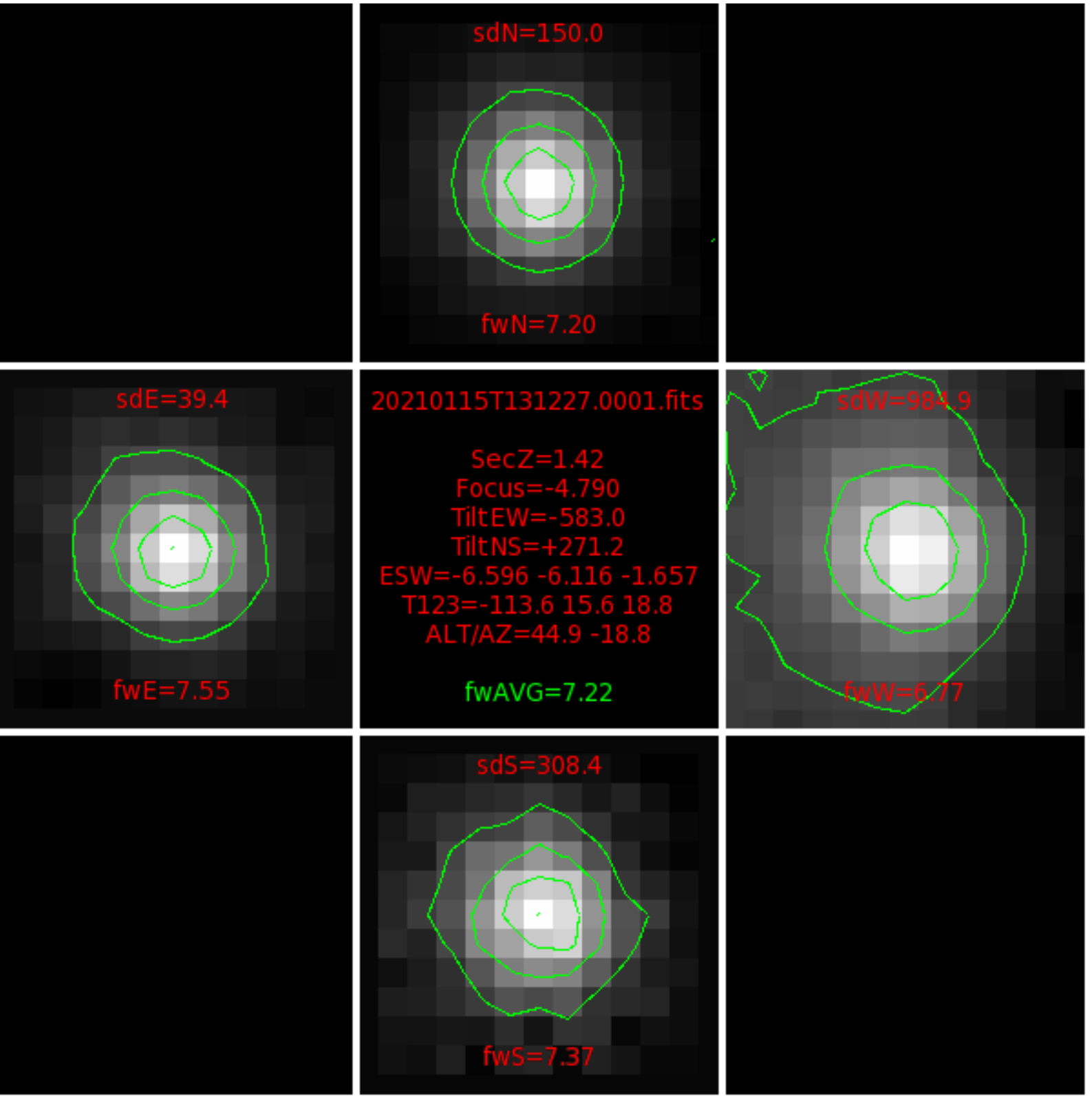
sdN=150.0
fwN=7.20
sdE=39.4
fwE=7.55
20210115T131227.0001.fits
SecZ=1.42
Focus=-4.790
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.596 -6.116 -1.657
T123=-113.6 15.6 18.8
ALT/AZ=44.9 -18.8
fwAVG=7.22
sdW=984.9
fwW=6.77
sdS=308.4
fwS=7.37
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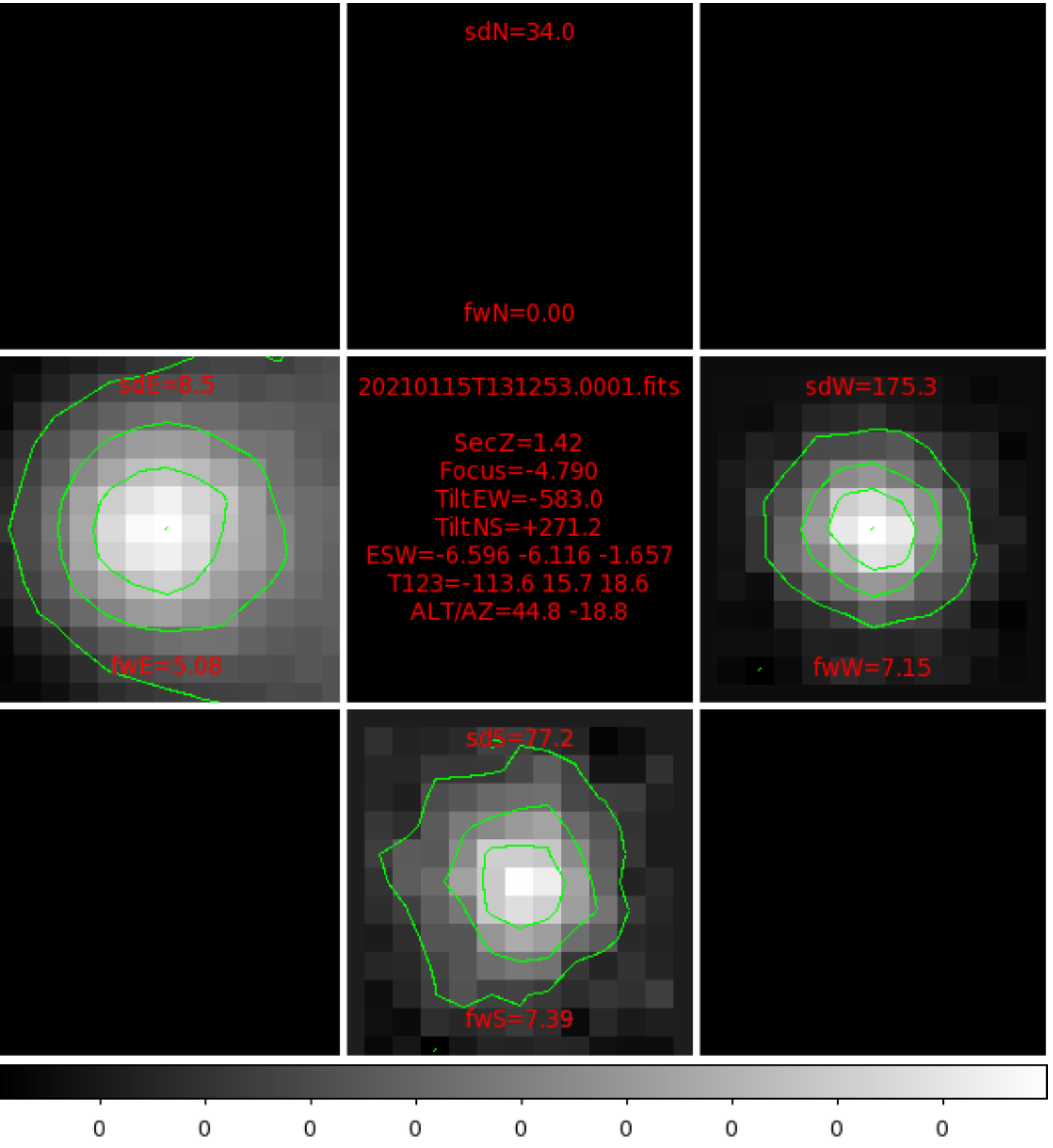
sdN=34.0
fwN=0.00
sdE=8.5
fwE=5.08
20210115T131253.0001.fits
SecZ=1.42
Focus=-4.790
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.596 -6.116 -1.657
T123=-113.6 15.7 18.6
ALT/AZ=44.8 -18.8
sdW=175.3
fwW=7.15
sdS=77.2
fwS=7.39
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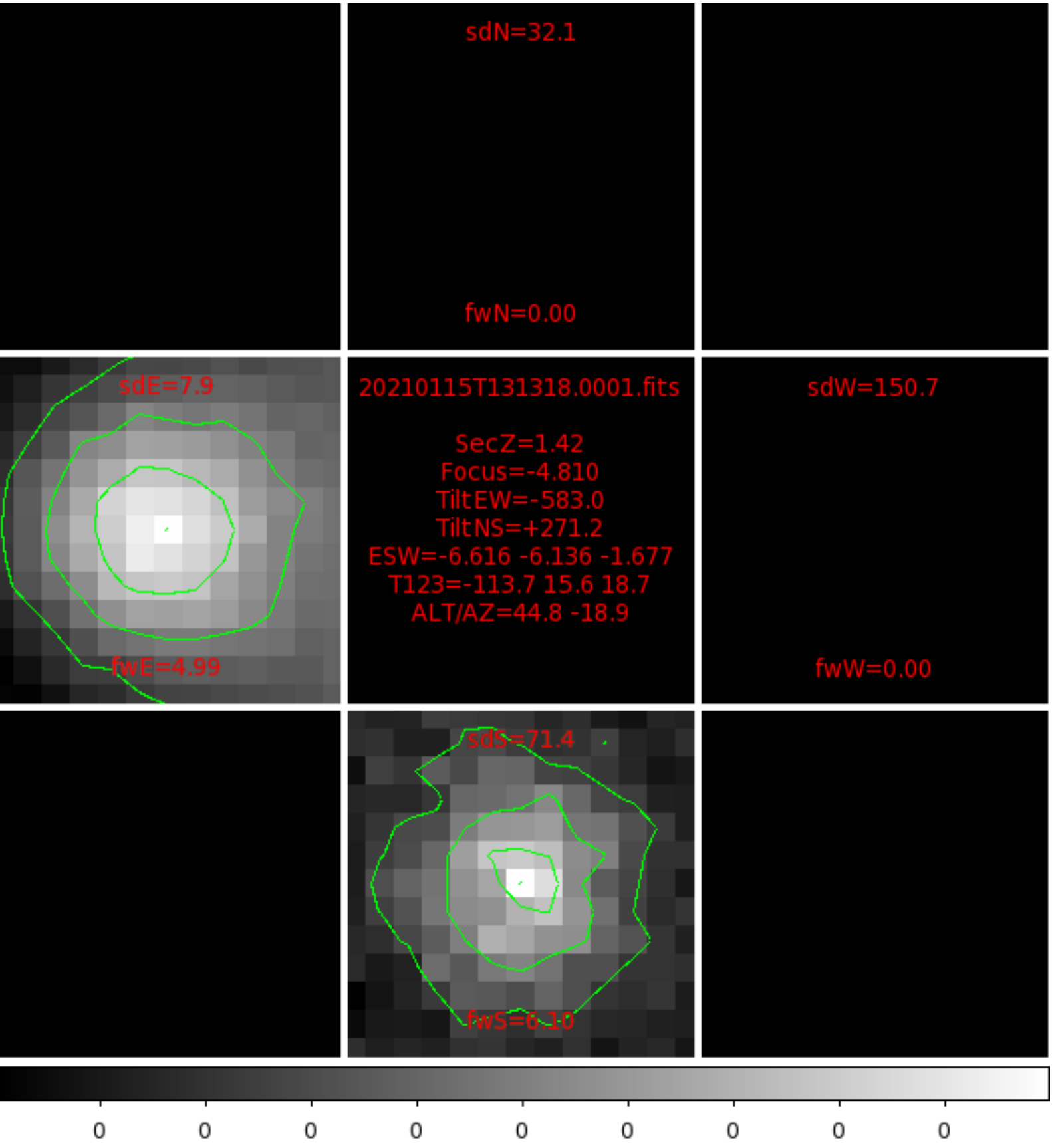
sdN=32.1
fwN=0.00
sdE=7.9
20210115T131318.0001.fits
SecZ=1.42
Focus=-4.810
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.616 -6.136 -1.677
T123=-113.7 15.6 18.7
ALT/AZ=44.8 -18.9
sdW=150.7
fwE=4.99
fwW=0.00
sdS=71.4
fwS=6.10
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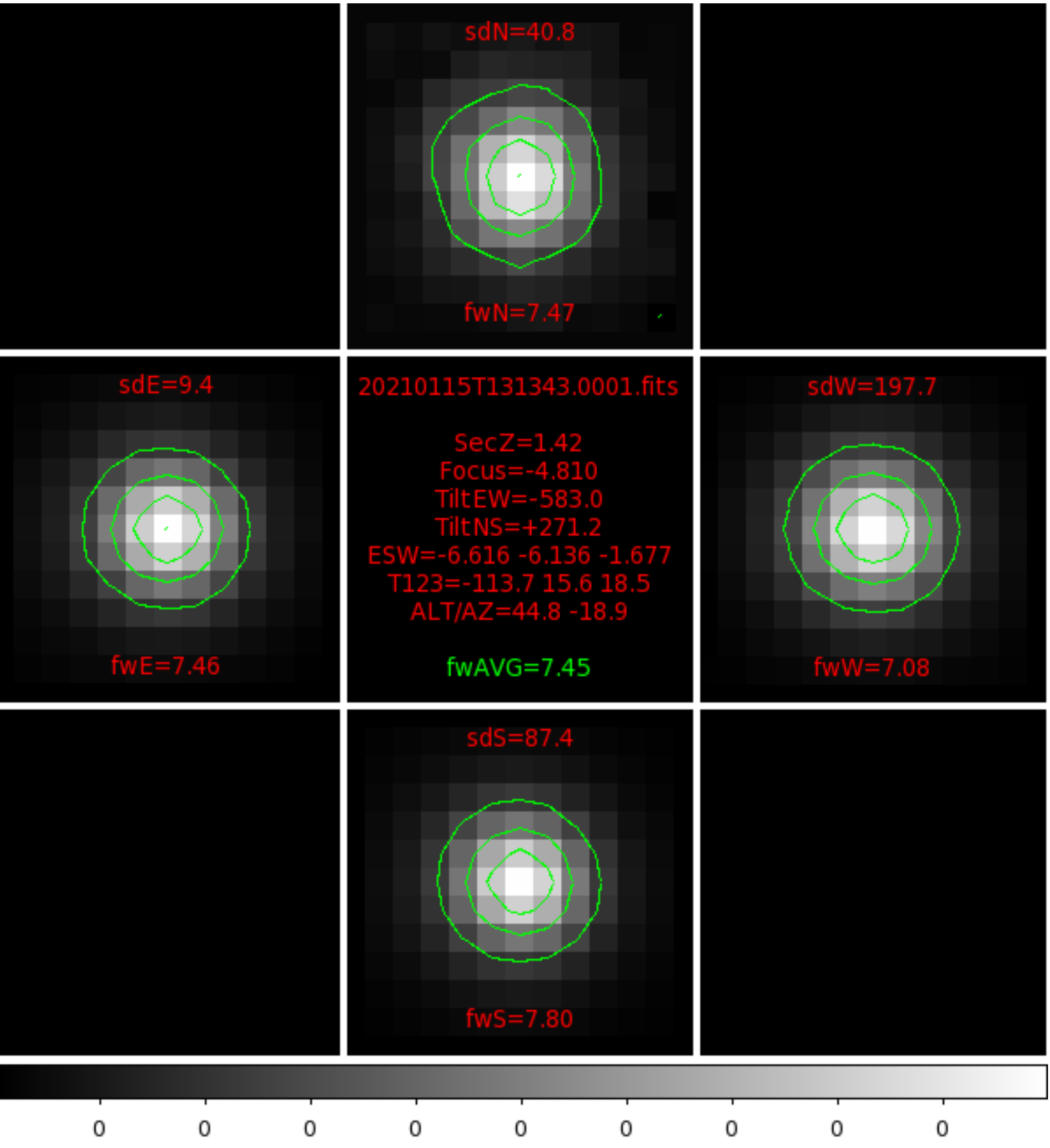
sdN=40.8
fwN=7.47
sdE=9.4
fwE=7.46
20210115T131343.0001.fits
SecZ=1.42
Focus=-4.810
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.616 -6.136 -1.677
T123=-113.7 15.6 18.5
ALT/AZ=44.8 -18.9
fwAVG=7.45
sdW=197.7
fwW=7.08
sdS=87.4
fwS=7.80
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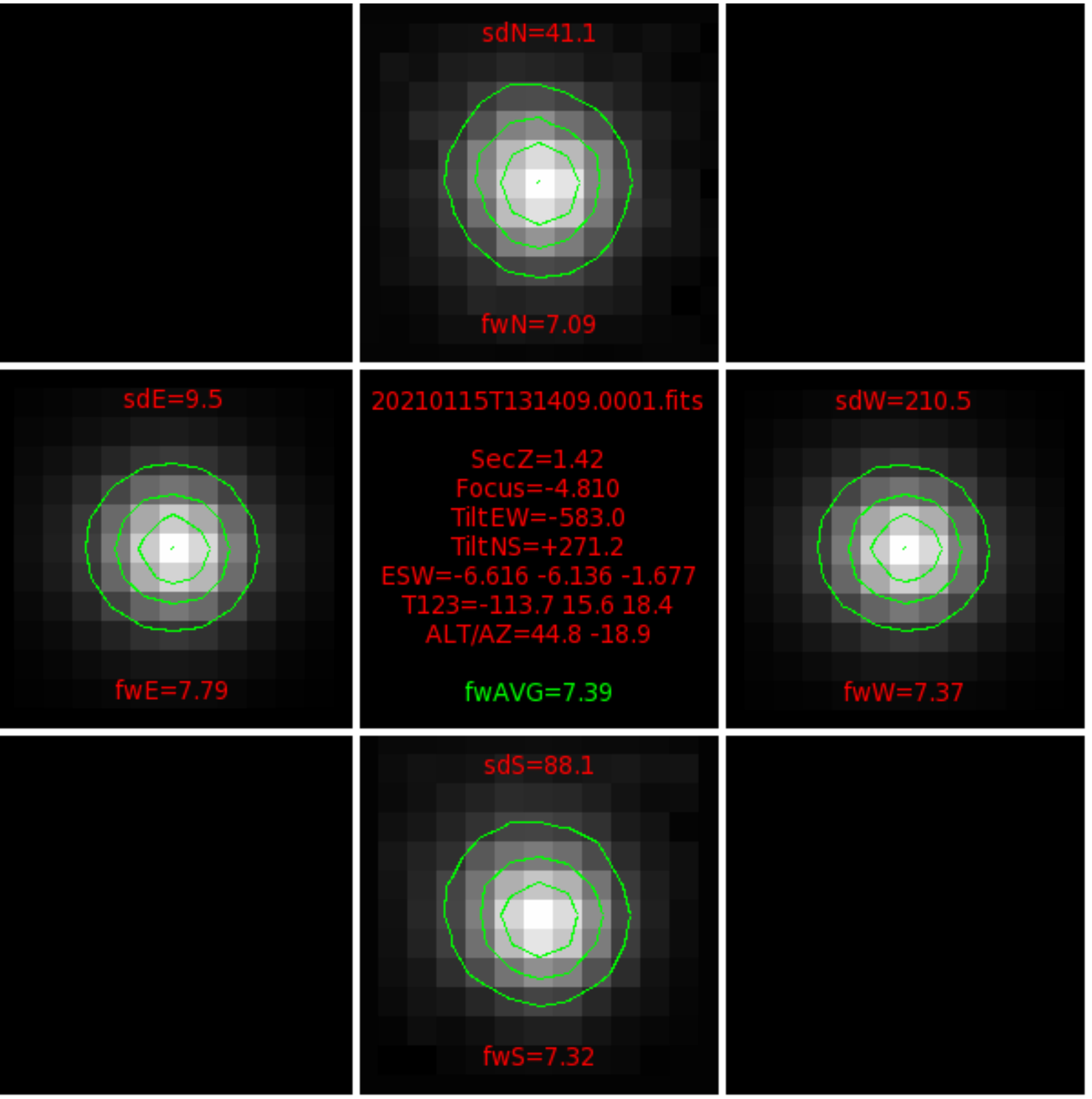
sdN=41.1
fwN=7.09
sdE=9.5
fwE=7.79
20210115T131409.0001.fits
SecZ=1.42
Focus=-4.810
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.616 -6.136 -1.677
T123=-113.7 15.6 18.4
ALT/AZ=44.8 -18.9
fwAVG=7.39
sdW=210.5
fwW=7.37
sdS=88.1
fwS=7.32
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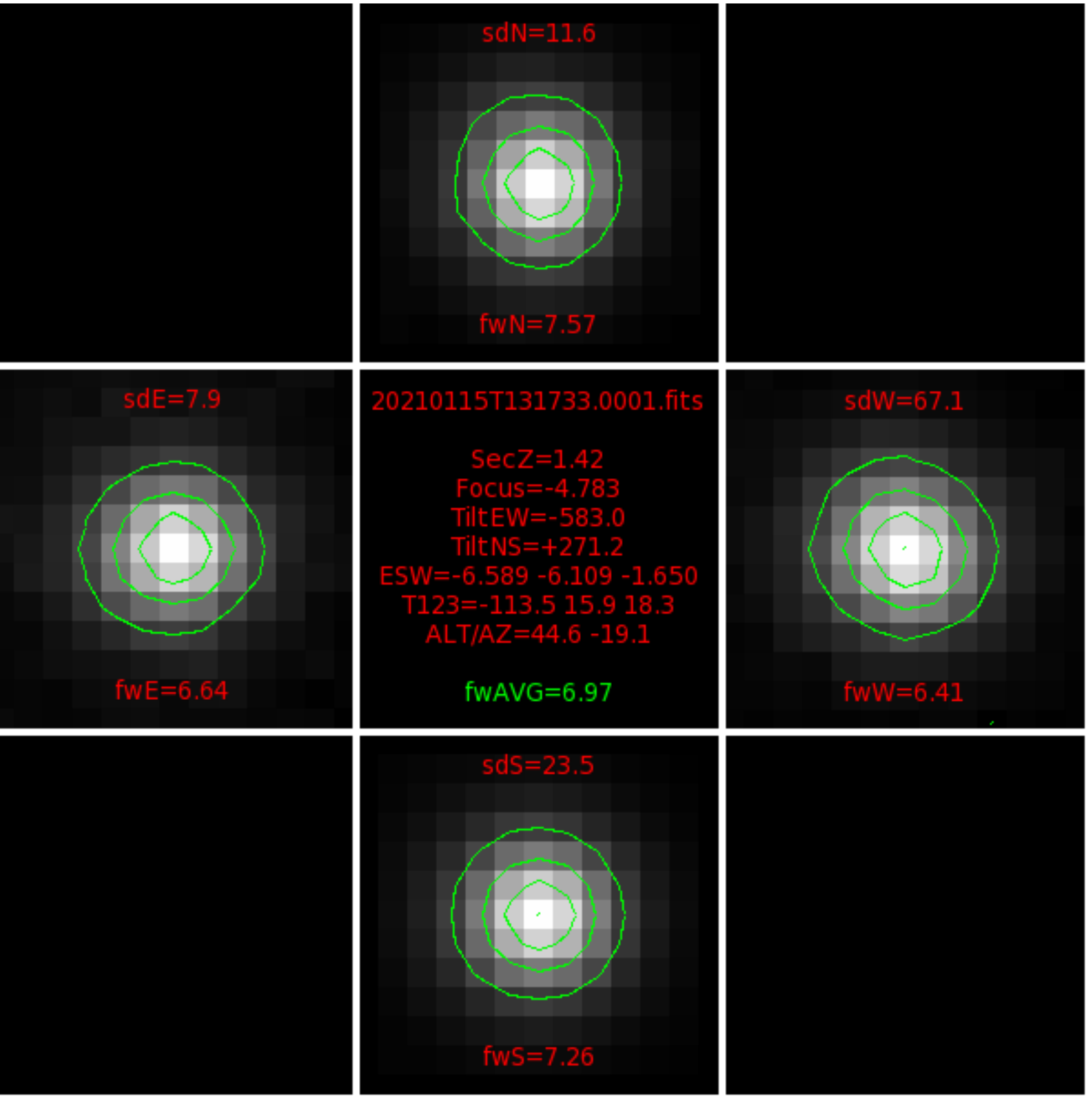
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fwN=7.57
sdE=7.9
fwE=6.64
20210115T131733.0001.fits
SecZ=1.42
Focus=-4.783
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.589 -6.109 -1.650
T123=-113.5 15.9 18.3
ALT/AZ=44.6 -19.1
fwAVG=6.97
sdW=67.1
fwW=6.41
sdS=23.5
fwS=7.26
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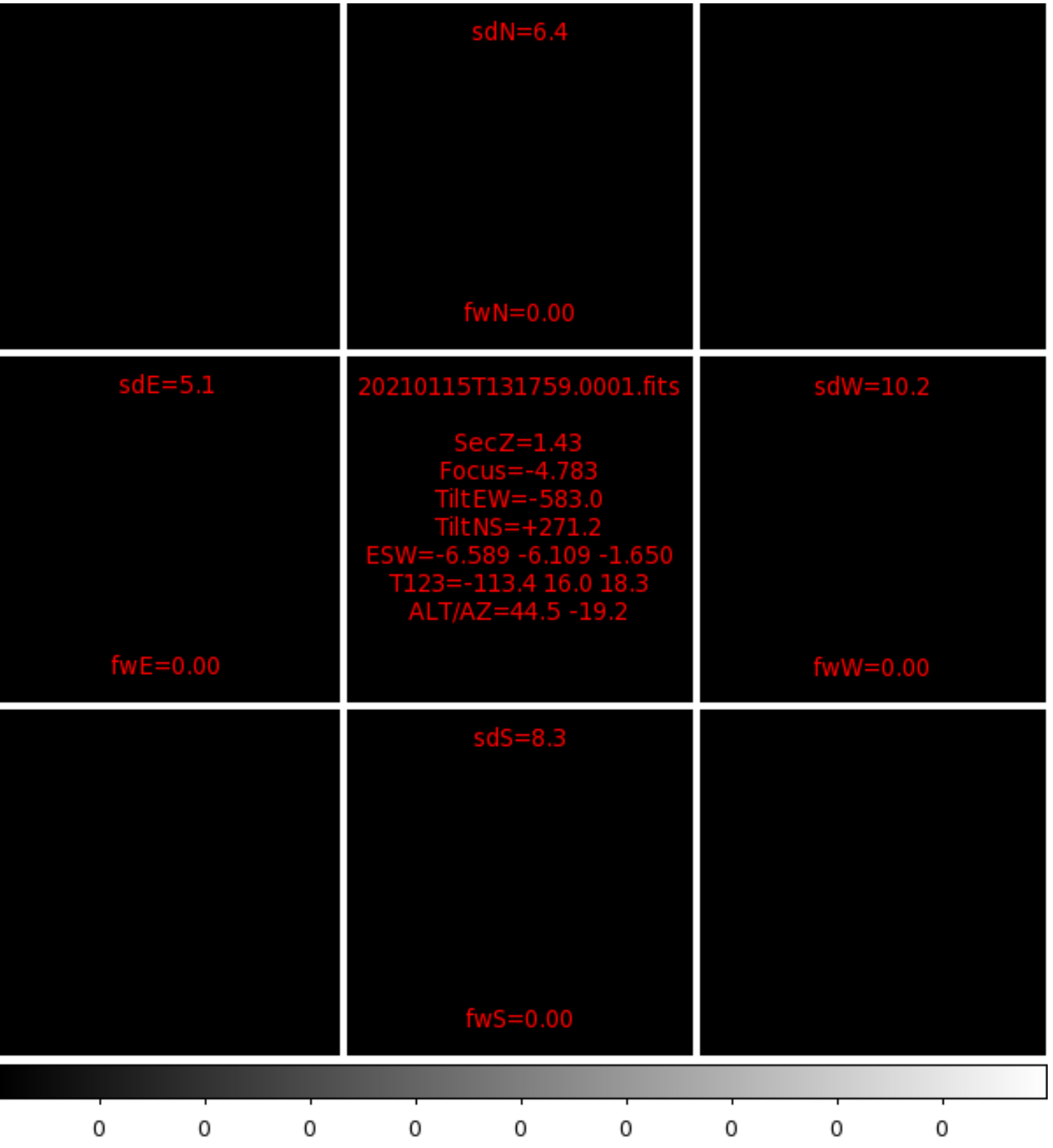
sdN=6.4
fwN=0.00
sdE=5.1
20210115T131759.0001.fits
SecZ=1.43
Focus=-4.783
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.589 -6.109 -1.650
T123=-113.4 16.0 18.3
ALT/AZ=44.5 -19.2
sdW=10.2
fwE=0.00
fwW=0.00
sdS=8.3
fwS=0.00
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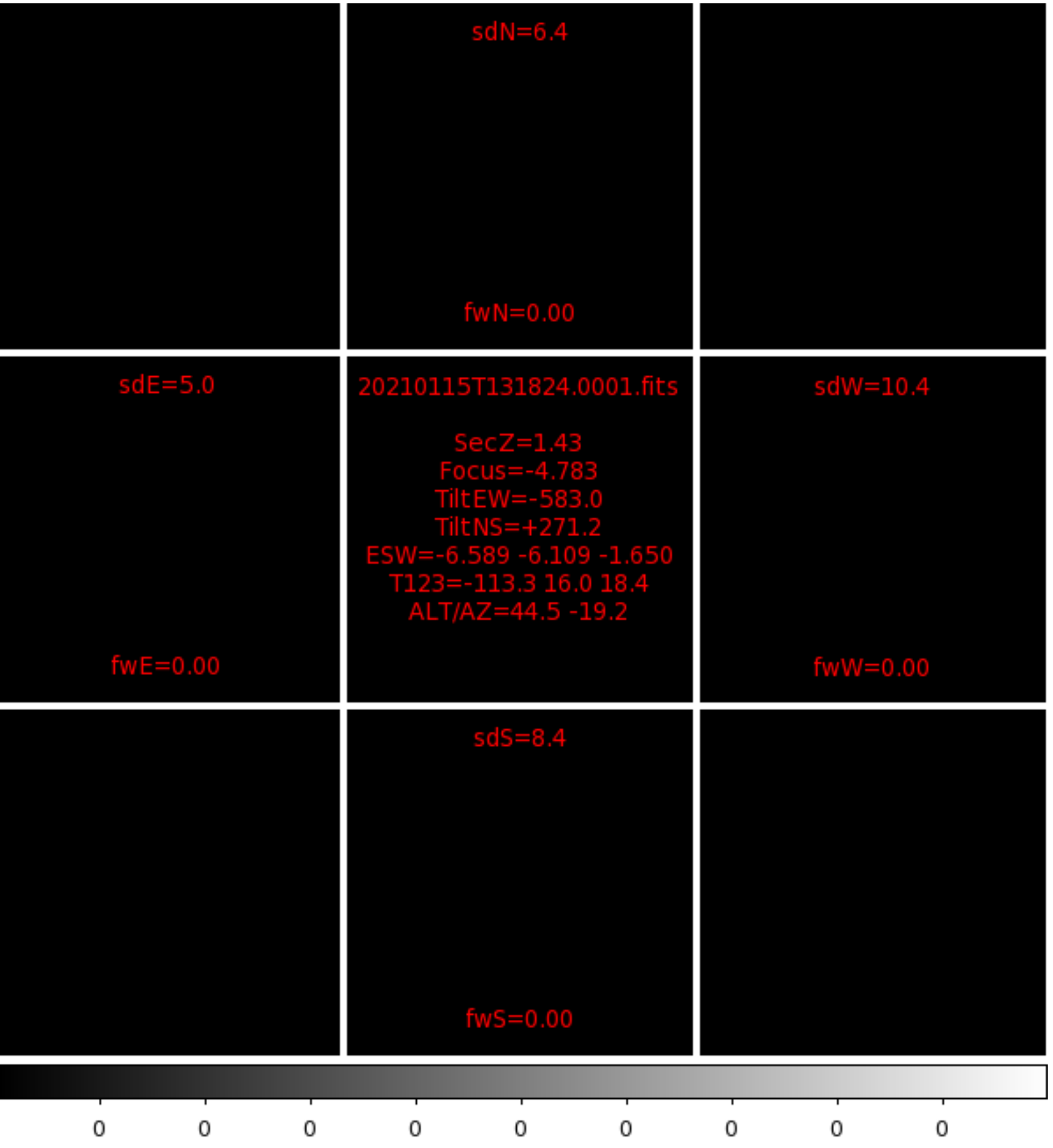
sdN=6.4
fwN=0.00
sdE=5.0
20210115T131824.0001.fits
SecZ=1.43
Focus=-4.783
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.589 -6.109 -1.650
T123=-113.3 16.0 18.4
ALT/AZ=44.5 -19.2
sdW=10.4
fwE=0.00
fwW=0.00
sdS=8.4
fwS=0.00
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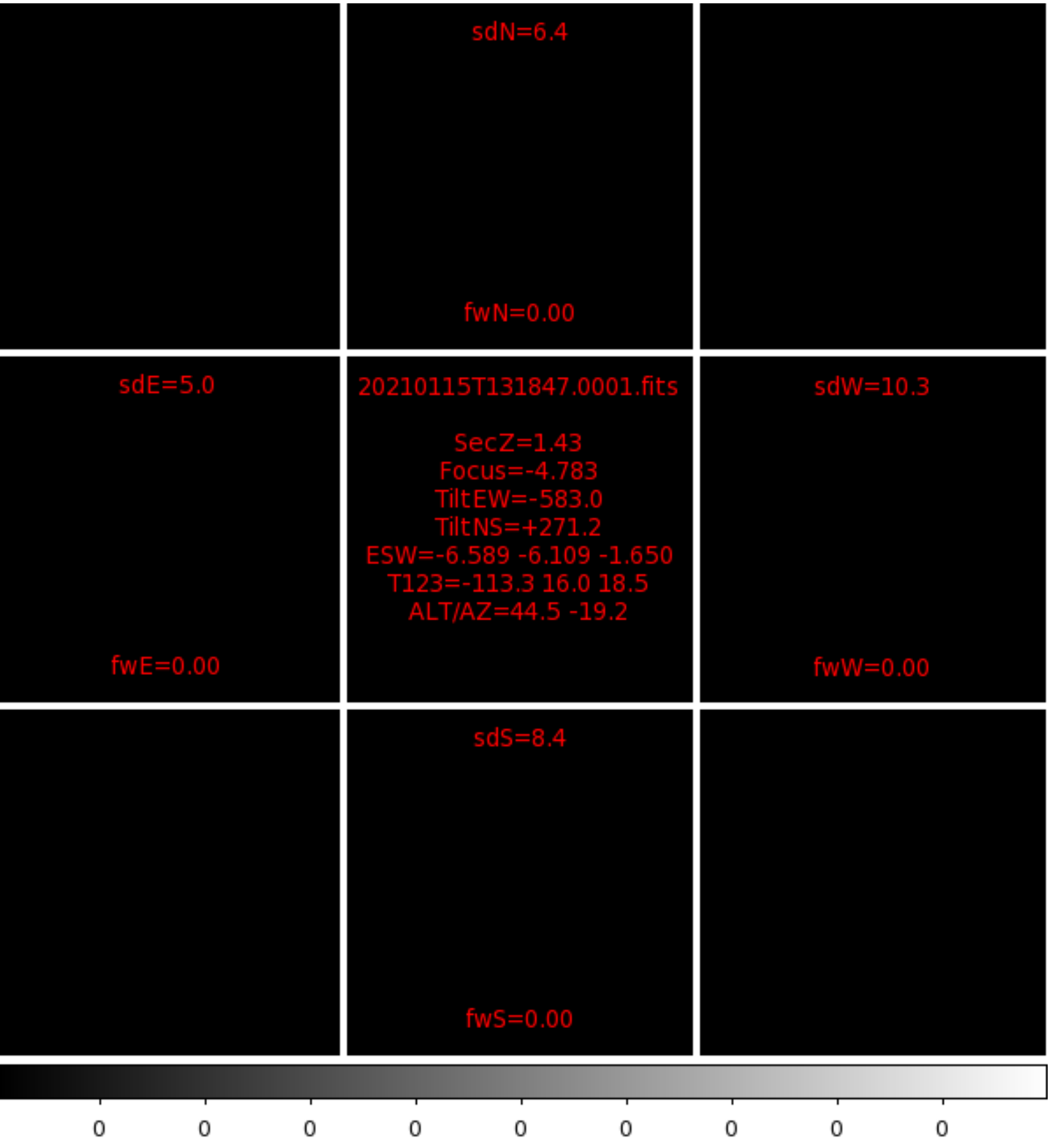
sdN=6.4
fwN=0.00
sdE=5.0
20210115T131847.0001.fits
SecZ=1.43
Focus=-4.783
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.589 -6.109 -1.650
T123=-113.3 16.0 18.5
ALT/AZ=44.5 -19.2
sdW=10.3
fwE=0.00
fwW=0.00
sdS=8.4
fwS=0.00
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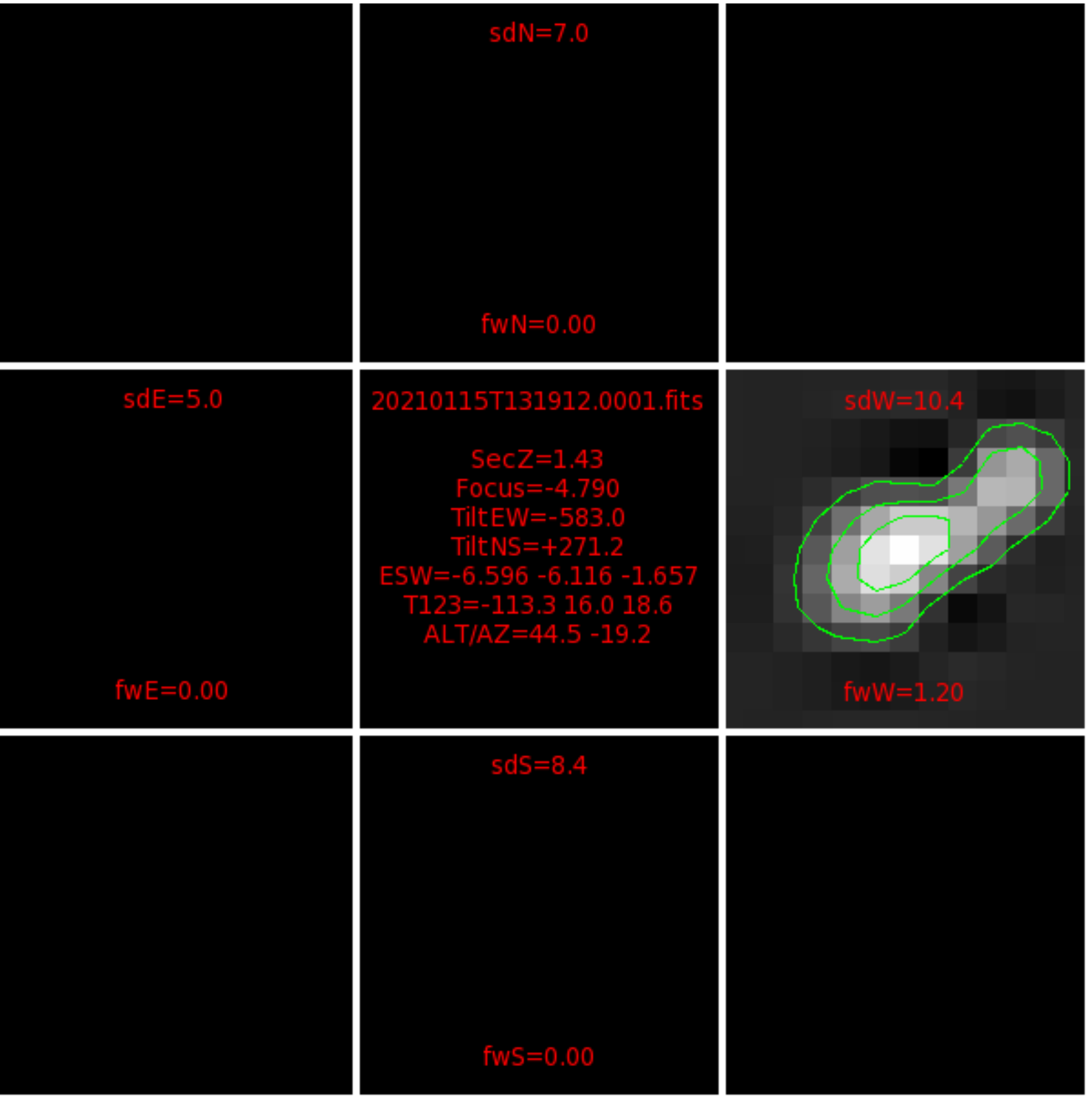
sdN=7.0
fwN=0.00
sdE=5.0
fwE=0.00
20210115T131912.0001.fits
SecZ=1.43
Focus=-4.790
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.596 -6.116 -1.657
T123=-113.3 16.0 18.6
ALT/AZ=44.5 -19.2
sdW=10.4
fwW=1.20
sdS=8.4
fwS=0.00
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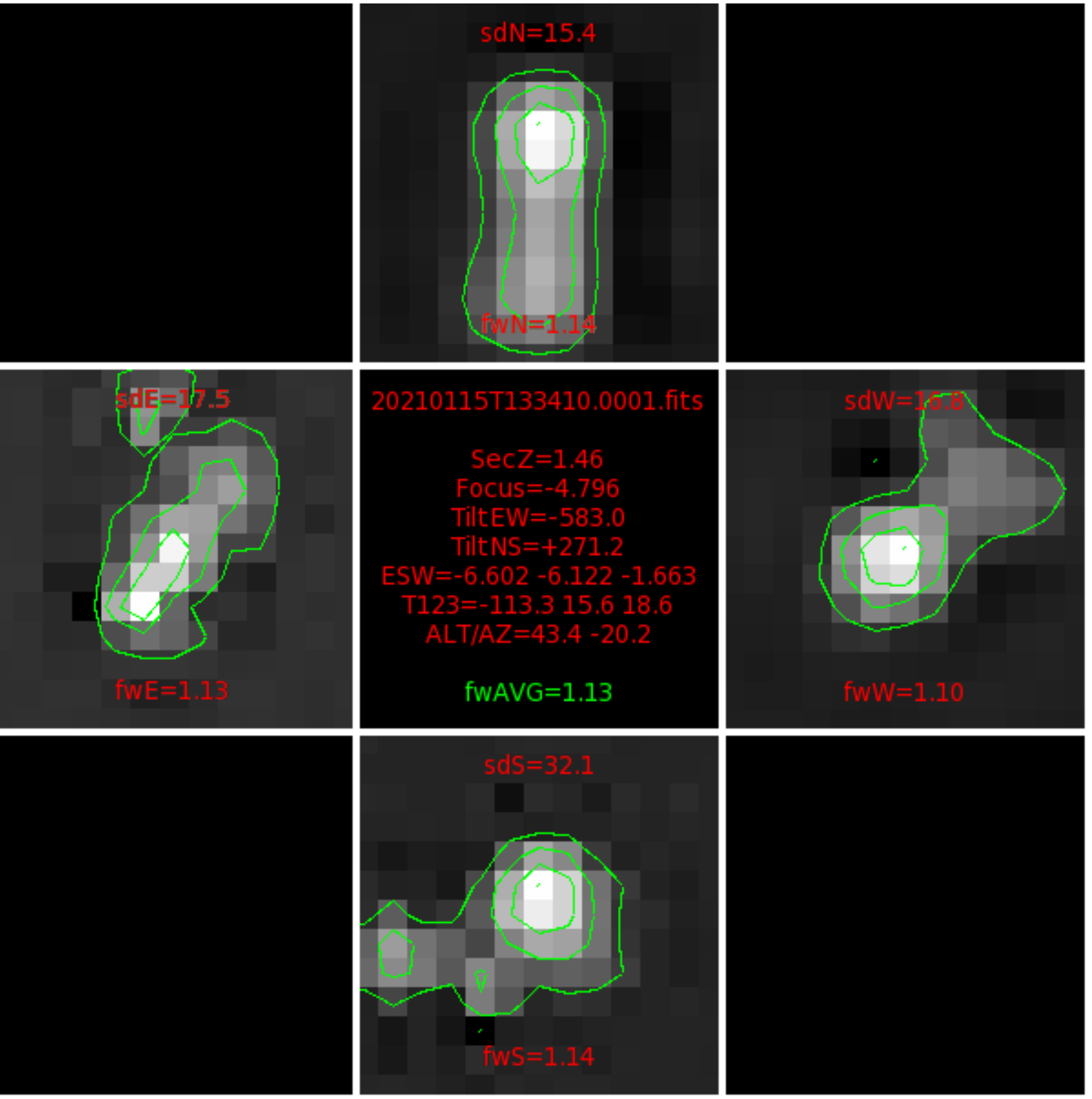
sdN=15.4
fwN=1.14
sdE=17.5
fwE=1.13
20210115T133410.0001.fits
SecZ=1.46
Focus=-4.796
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.602 -6.122 -1.663
T123=-113.3 15.6 18.6
ALT/AZ=43.4 -20.2
fwAVG=1.13
sdW=16.8
fwW=1.10
sdS=32.1
fwS=1.14
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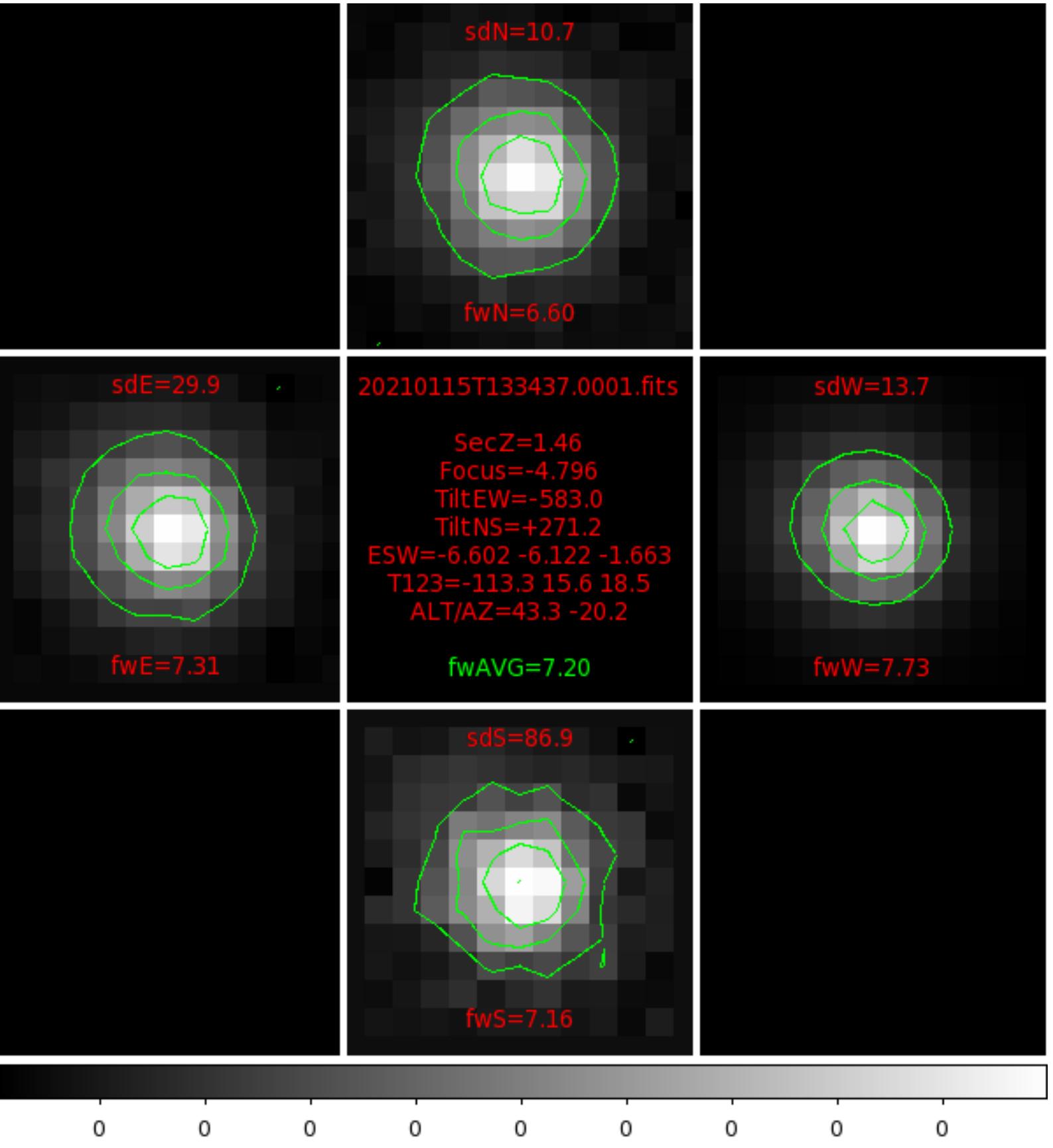
sdN=10.7
fwN=6.60
sdE=29.9
fwE=7.31
20210115T133437.0001.fits
SecZ=1.46
Focus=-4.796
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.602 -6.122 -1.663
T123=-113.3 15.6 18.5
ALT/AZ=43.3 -20.2
fwAVG=7.20
sdW=13.7
fwW=7.73
sdS=86.9
fwS=7.16
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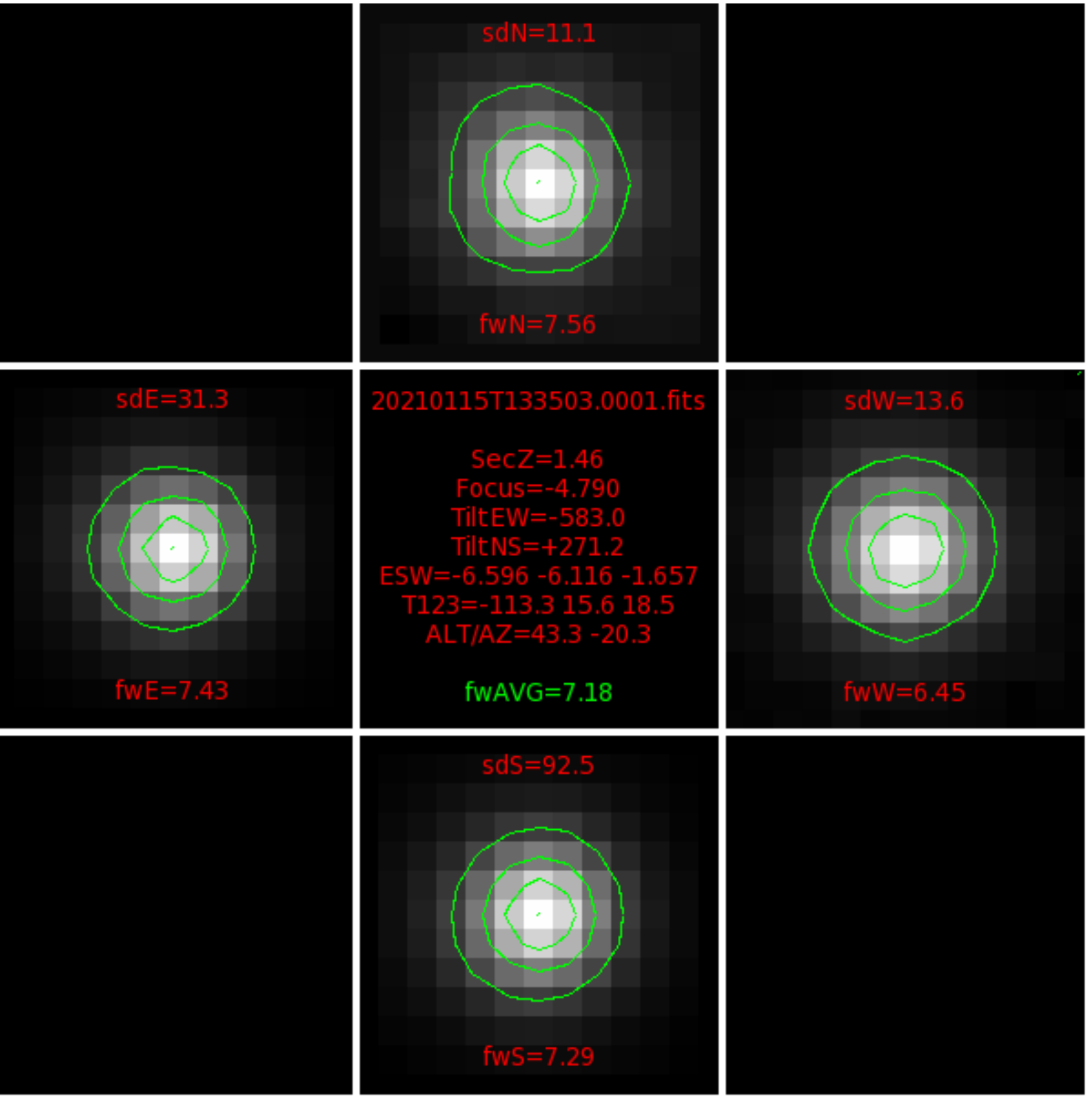
sdN=11.1
fwN=7.56
sdE=31.3
fwE=7.43
20210115T133503.0001.fits
SecZ=1.46
Focus=-4.790
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.596 -6.116 -1.657
T123=-113.3 15.6 18.5
ALT/AZ=43.3 -20.3
fwAVG=7.18
sdW=13.6
fwW=6.45
sdS=92.5
fwS=7.29
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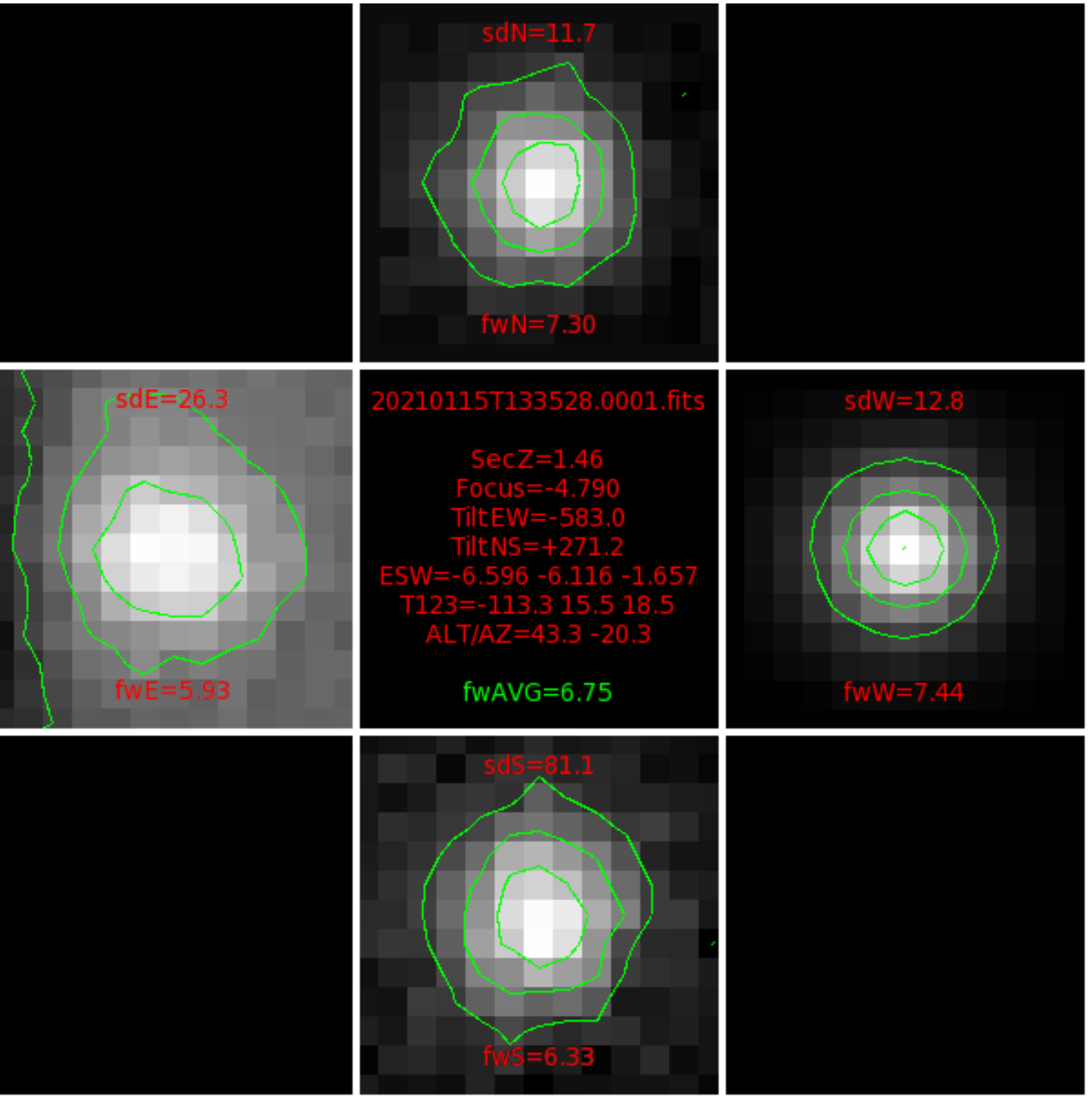
sdN=11.7
fwN=7.30
sdE=26.3
fwE=5.93
20210115T133528.0001.fits
SecZ=1.46
Focus=-4.790
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.596 -6.116 -1.657
T123=-113.3 15.5 18.5
ALT/AZ=43.3 -20.3
fwAVG=6.75
sdW=12.8
fwW=7.44
sdS=81.1
fwS=6.33
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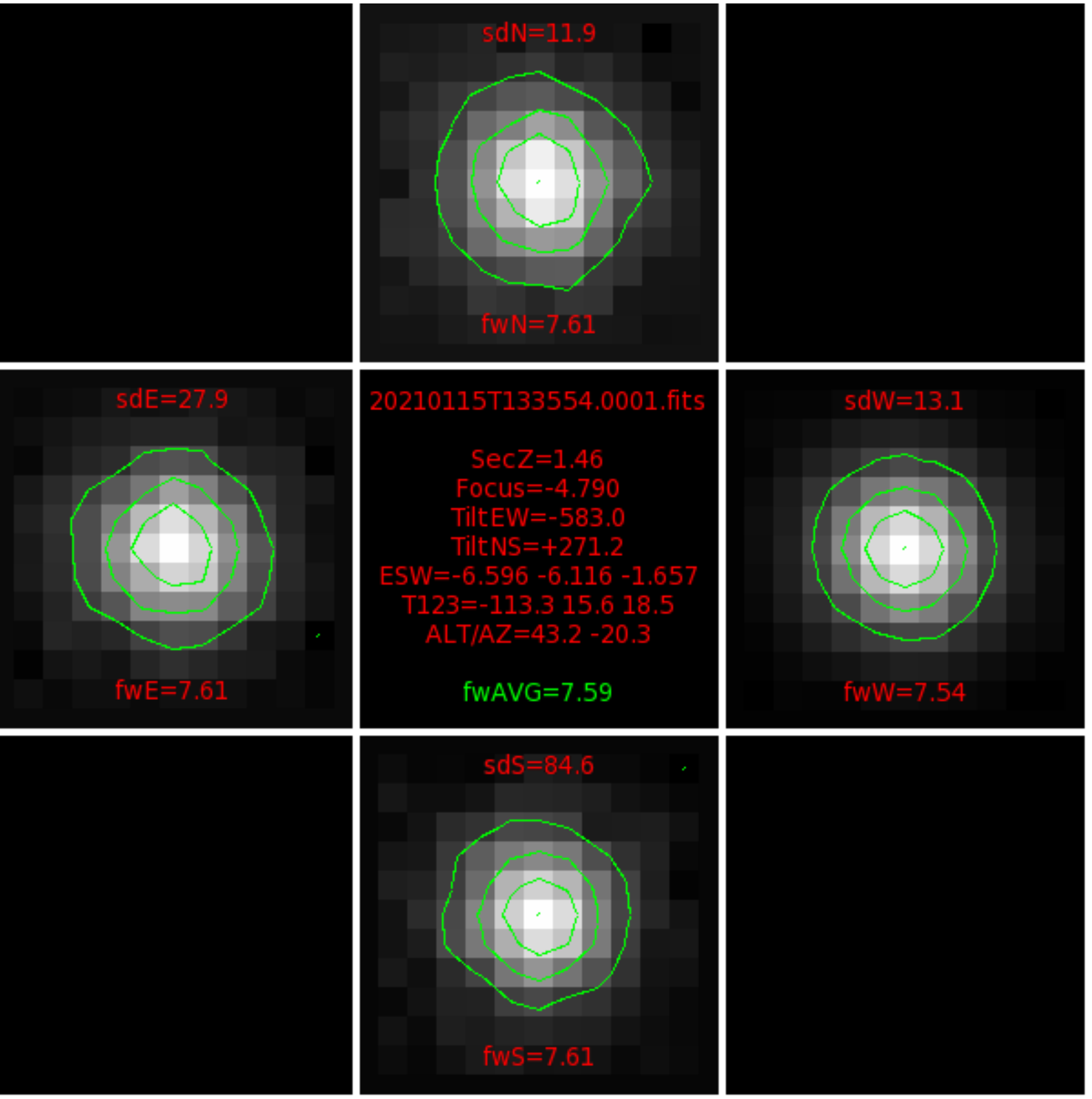
sdN=11.9
fwN=7.61
sdE=27.9
fwE=7.61
20210115T133554.0001.fits
SecZ=1.46
Focus=-4.790
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.596 -6.116 -1.657
T123=-113.3 15.6 18.5
ALT/AZ=43.2 -20.3
fwAVG=7.59
sdW=13.1
fwW=7.54
sdS=84.6
fwS=7.61
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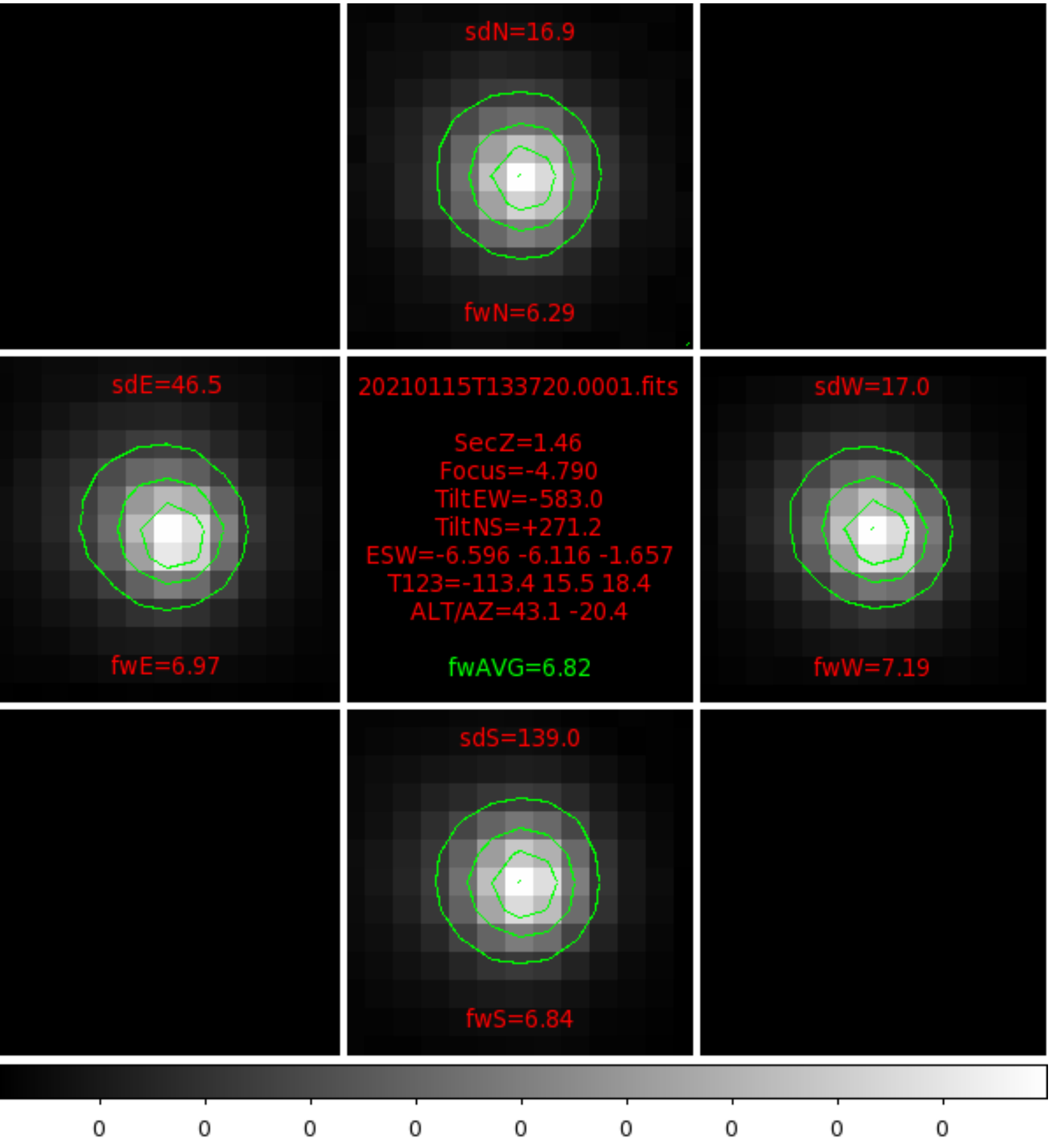
sdN=16.9
fwN=6.29
sdE=46.5
fwE=6.97
20210115T133720.0001.fits
SecZ=1.46
Focus=-4.790
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.596 -6.116 -1.657
T123=-113.4 15.5 18.4
ALT/AZ=43.1 -20.4
fwAVG=6.82
sdW=17.0
fwW=7.19
sdS=139.0
fwS=6.84
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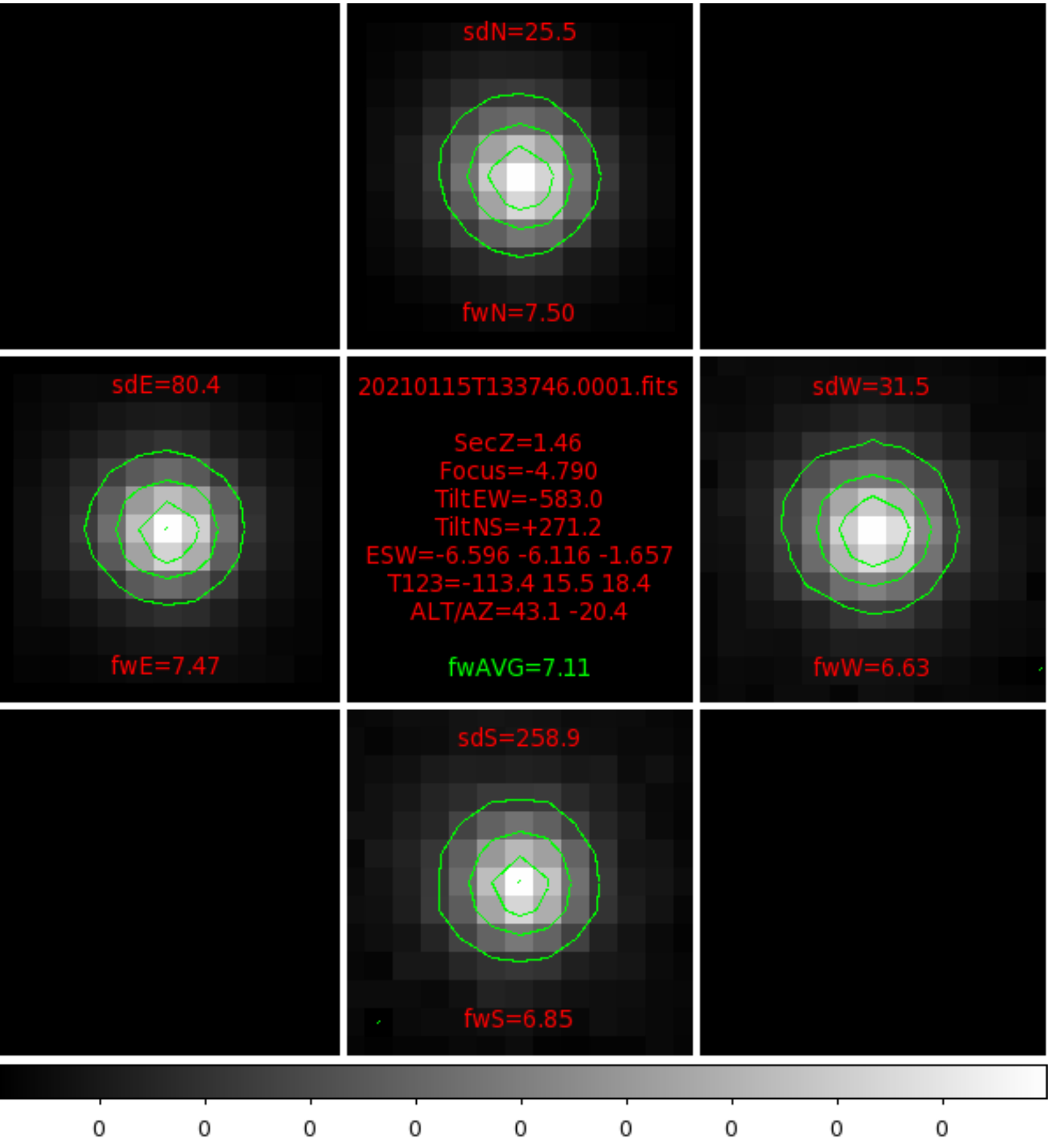
sdN=25.5
fwN=7.50
sdE=80.4
fwE=7.47
20210115T133746.0001.fits
SecZ=1.46
Focus=-4.790
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.596 -6.116 -1.657
T123=-113.4 15.5 18.4
ALT/AZ=43.1 -20.4
fwAVG=7.11
sdW=31.5
fwW=6.63
sdS=258.9
fwS=6.85
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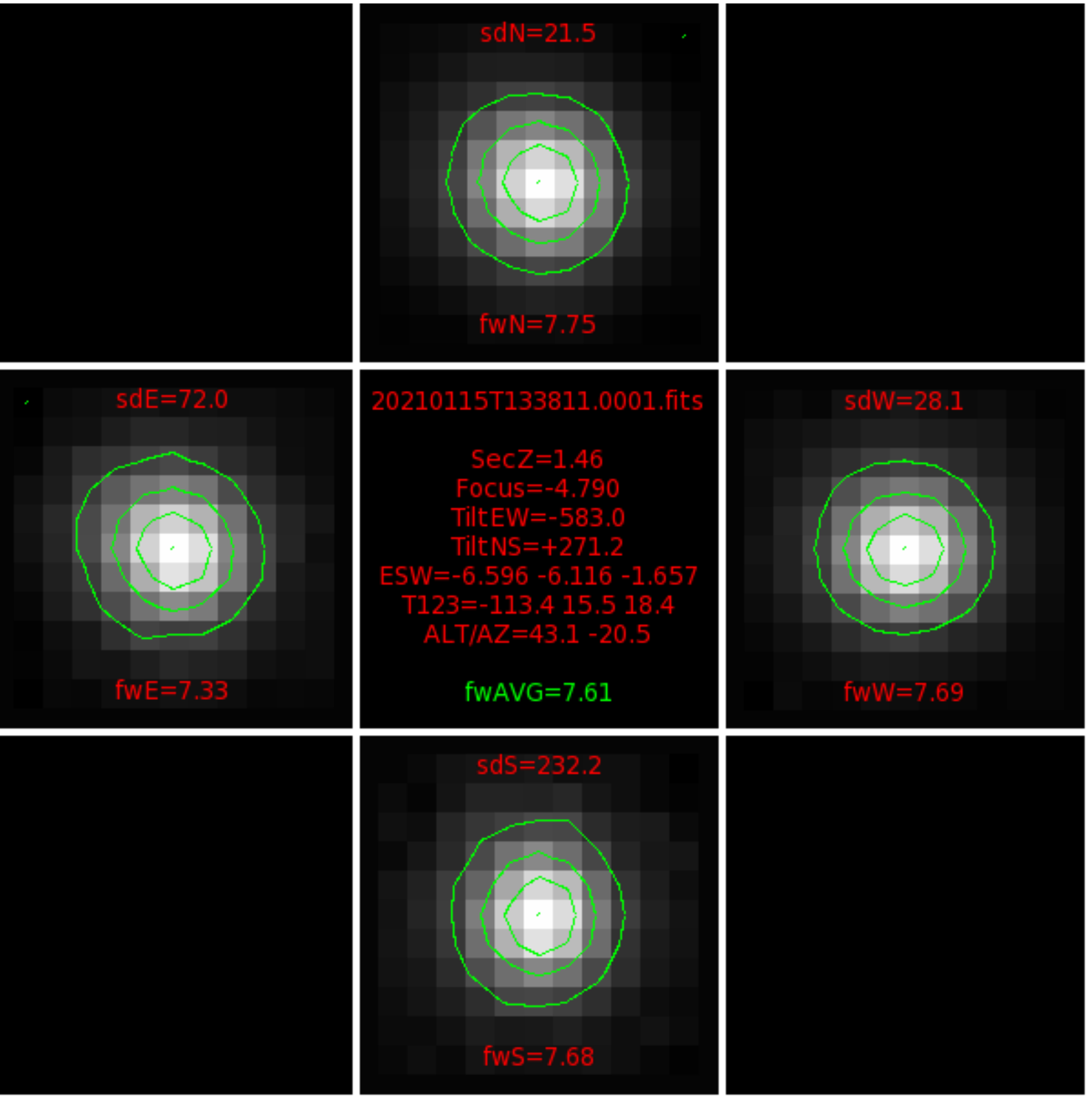
sdN=21.5
fwN=7.75
sdE=72.0
fwE=7.33
20210115T133811.0001.fits
SecZ=1.46
Focus=-4.790
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.596 -6.116 -1.657
T123=-113.4 15.5 18.4
ALT/AZ=43.1 -20.5
fwAVG=7.61
sdW=28.1
fwW=7.69
sdS=232.2
fwS=7.68
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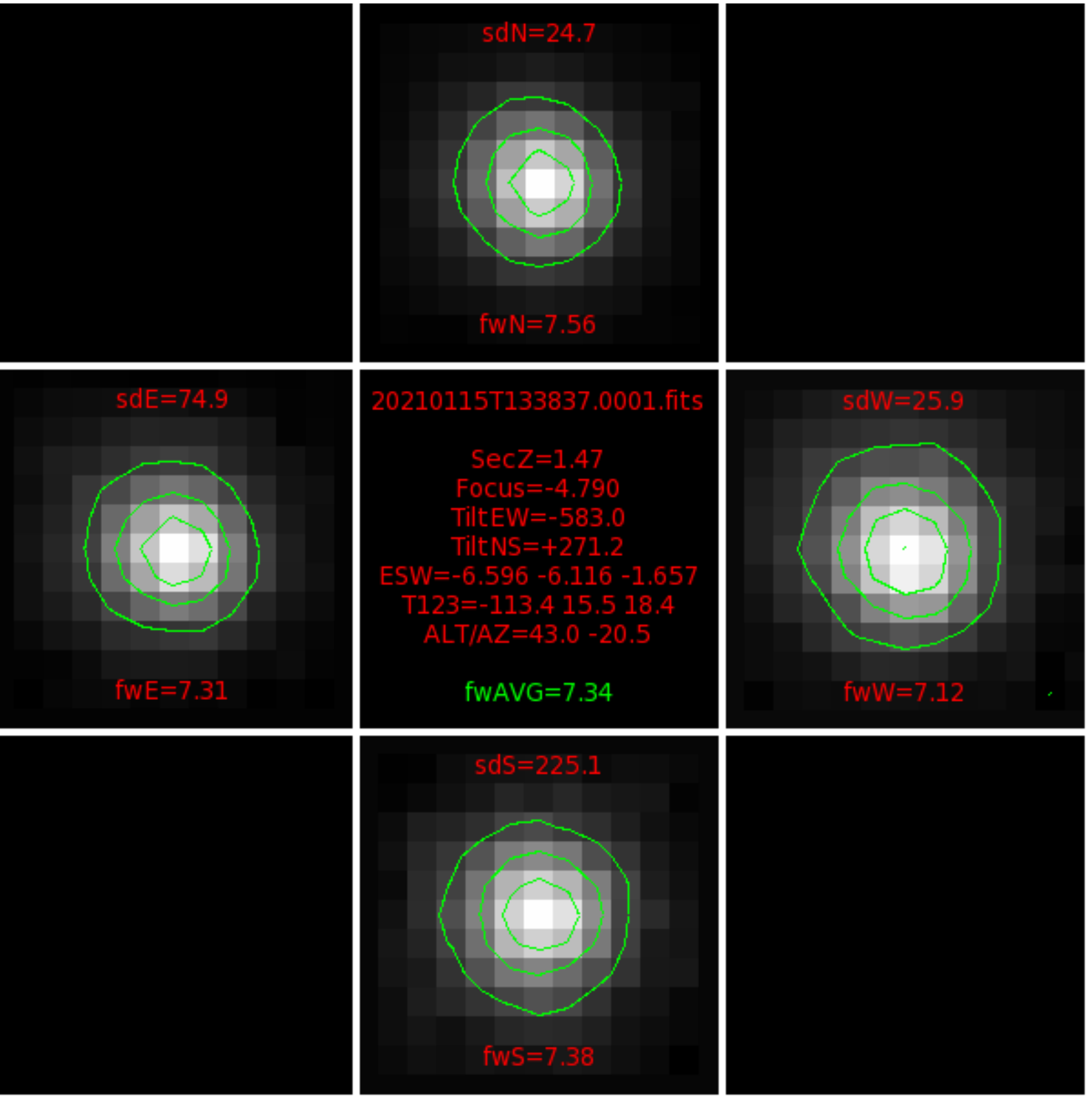
sdN=24.7
fwN=7.56
sdE=74.9
fwE=7.31
20210115T133837.0001.fits
SecZ=1.47
Focus=-4.790
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.596 -6.116 -1.657
T123=-113.4 15.5 18.4
ALT/AZ=43.0 -20.5
fwAVG=7.34
sdW=25.9
fwW=7.12
sdS=225.1
fwS=7.38
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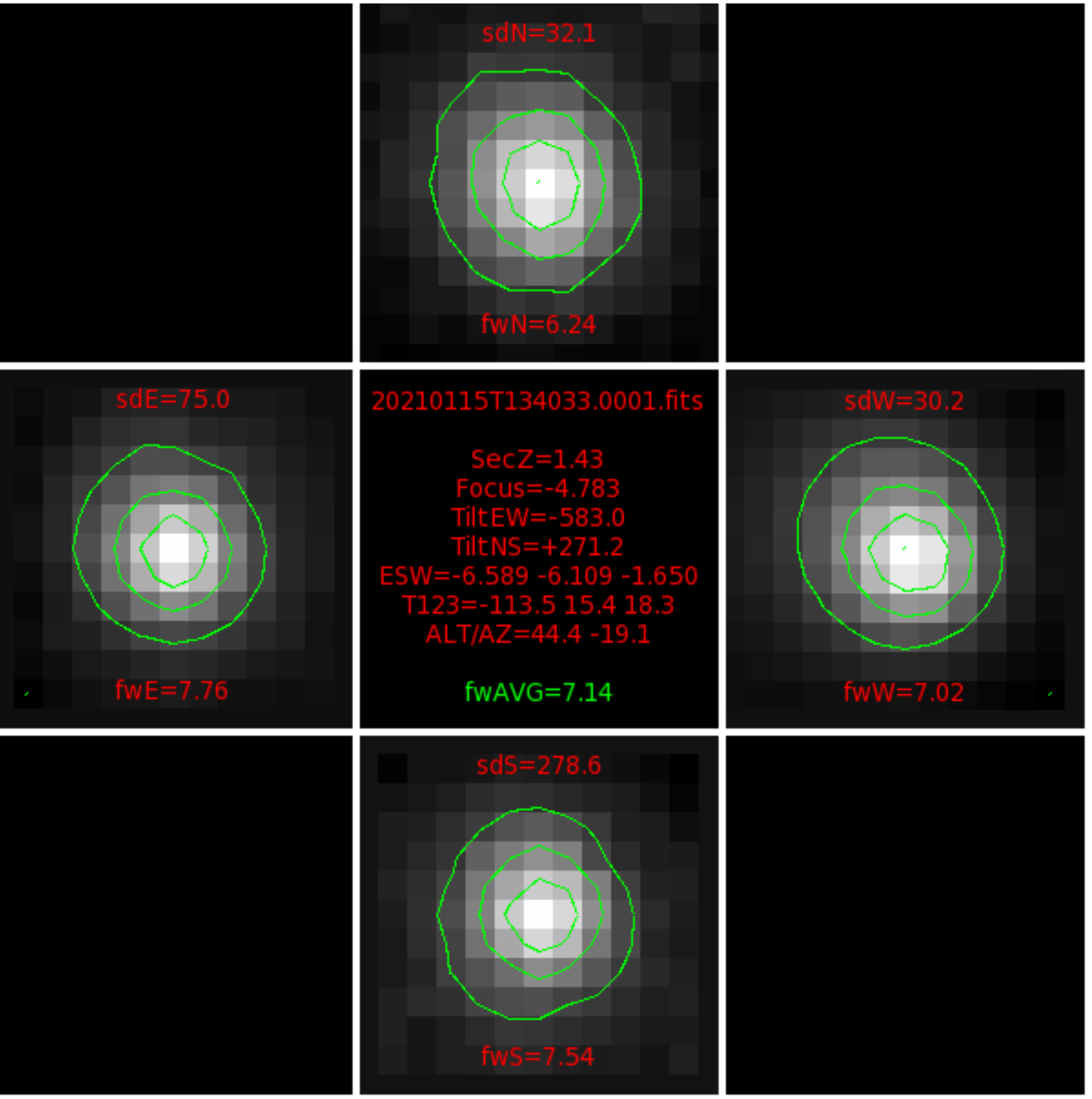
sdN=32.1
fwN=6.24
sdE=75.0
fwE=7.76
20210115T134033.0001.fits
SecZ=1.43
Focus=-4.783
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.589 -6.109 -1.650
T123=-113.5 15.4 18.3
ALT/AZ=44.4 -19.1
fwAVG=7.14
sdW=30.2
fwW=7.02
sdS=278.6
fwS=7.54
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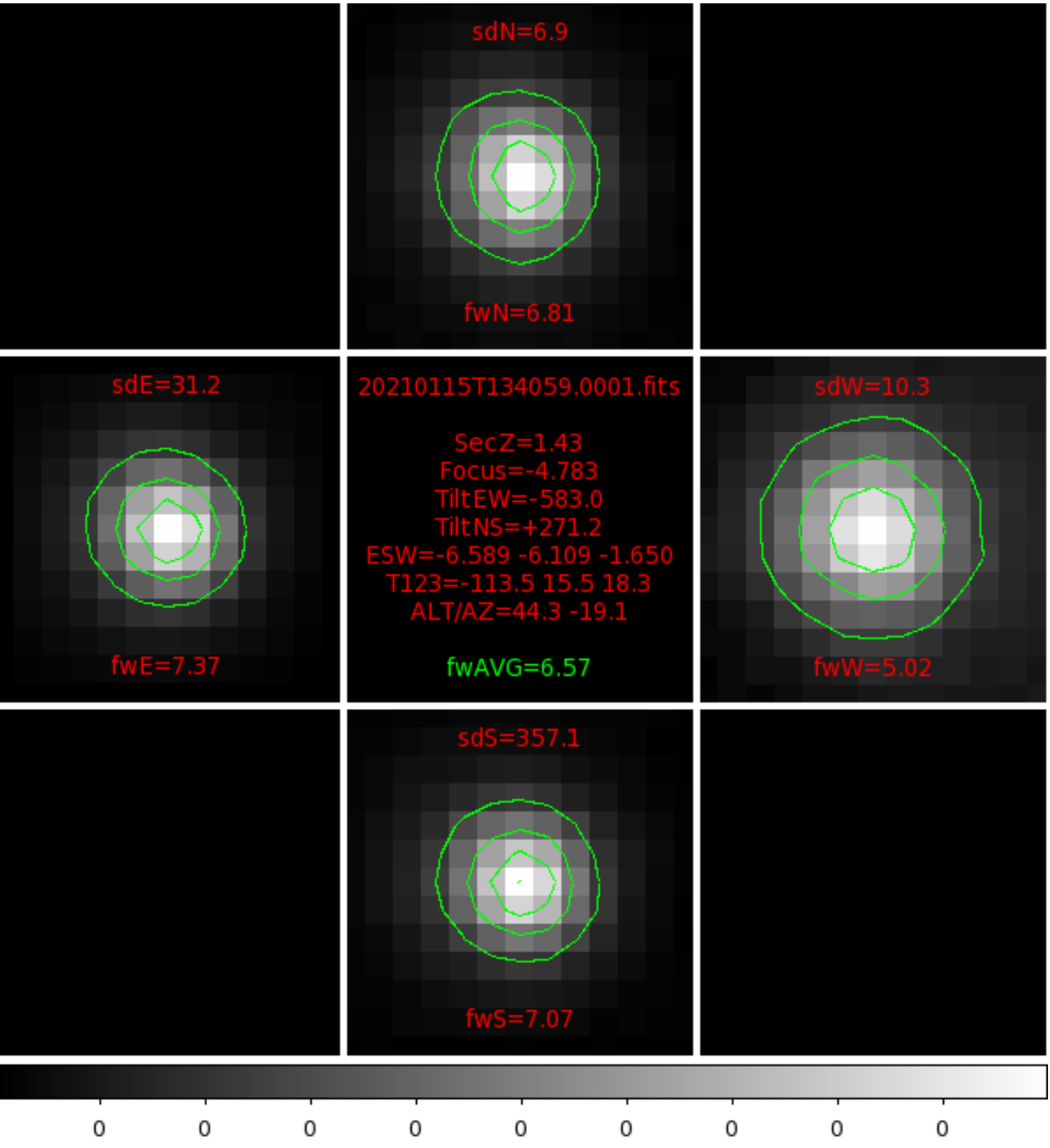
sdN=6.9
fwN=6.81
sdE=31.2
fwE=7.37
20210115T134059.0001.fits
SecZ=1.43
Focus=-4.783
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.589 -6.109 -1.650
T123=-113.5 15.5 18.3
ALT/AZ=44.3 -19.1
fwAVG=6.57
sdW=10.3
fwW=5.02
sdS=357.1
fwS=7.07
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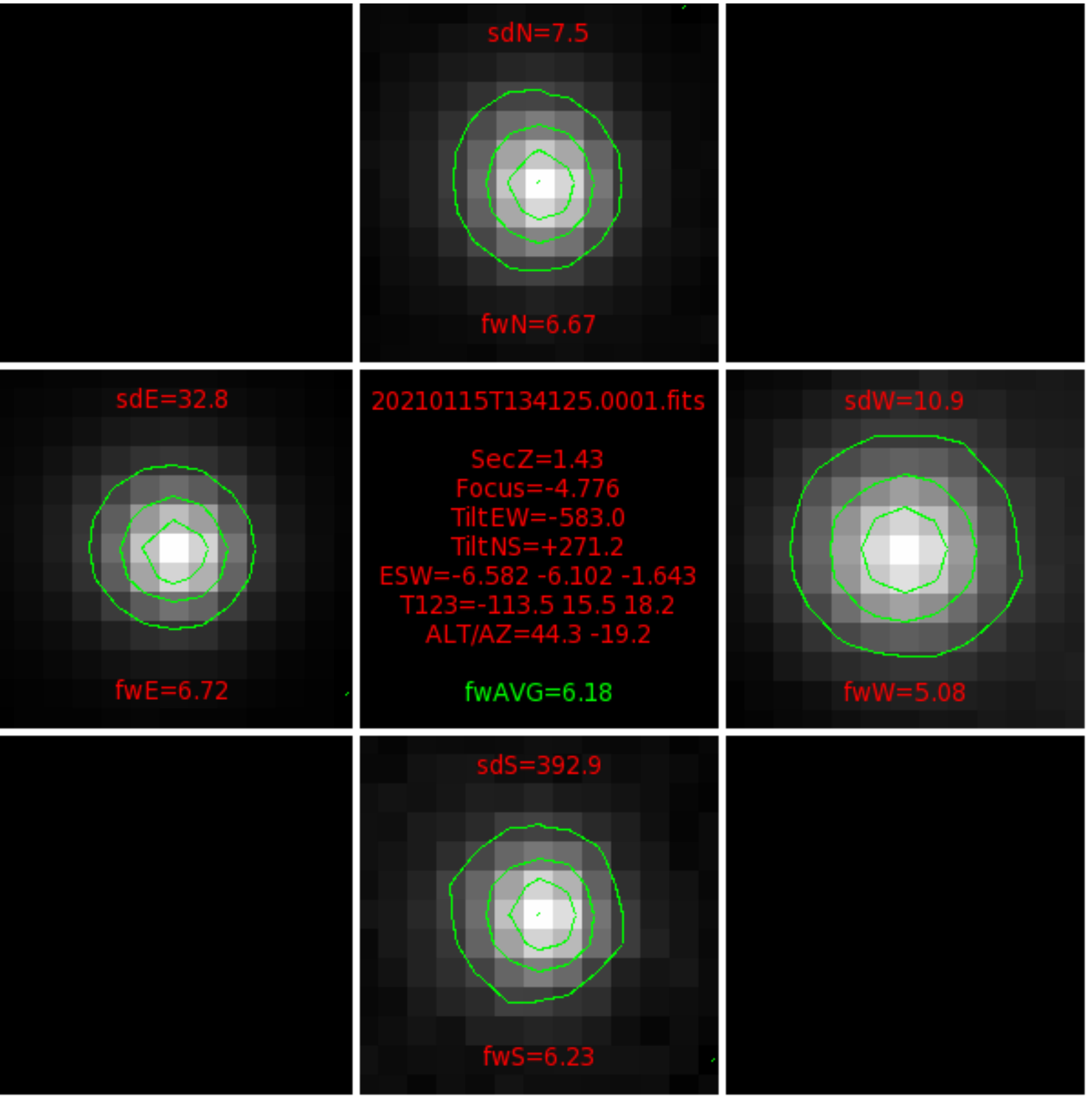
sdN=7.5
fwN=6.67
sdE=32.8
fwE=6.72
20210115T134125.0001.fits
SecZ=1.43
Focus=-4.776
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.582 -6.102 -1.643
T123=-113.5 15.5 18.2
ALT/AZ=44.3 -19.2
fwAVG=6.18
sdW=10.9
fwW=5.08
sdS=392.9
fwS=6.23
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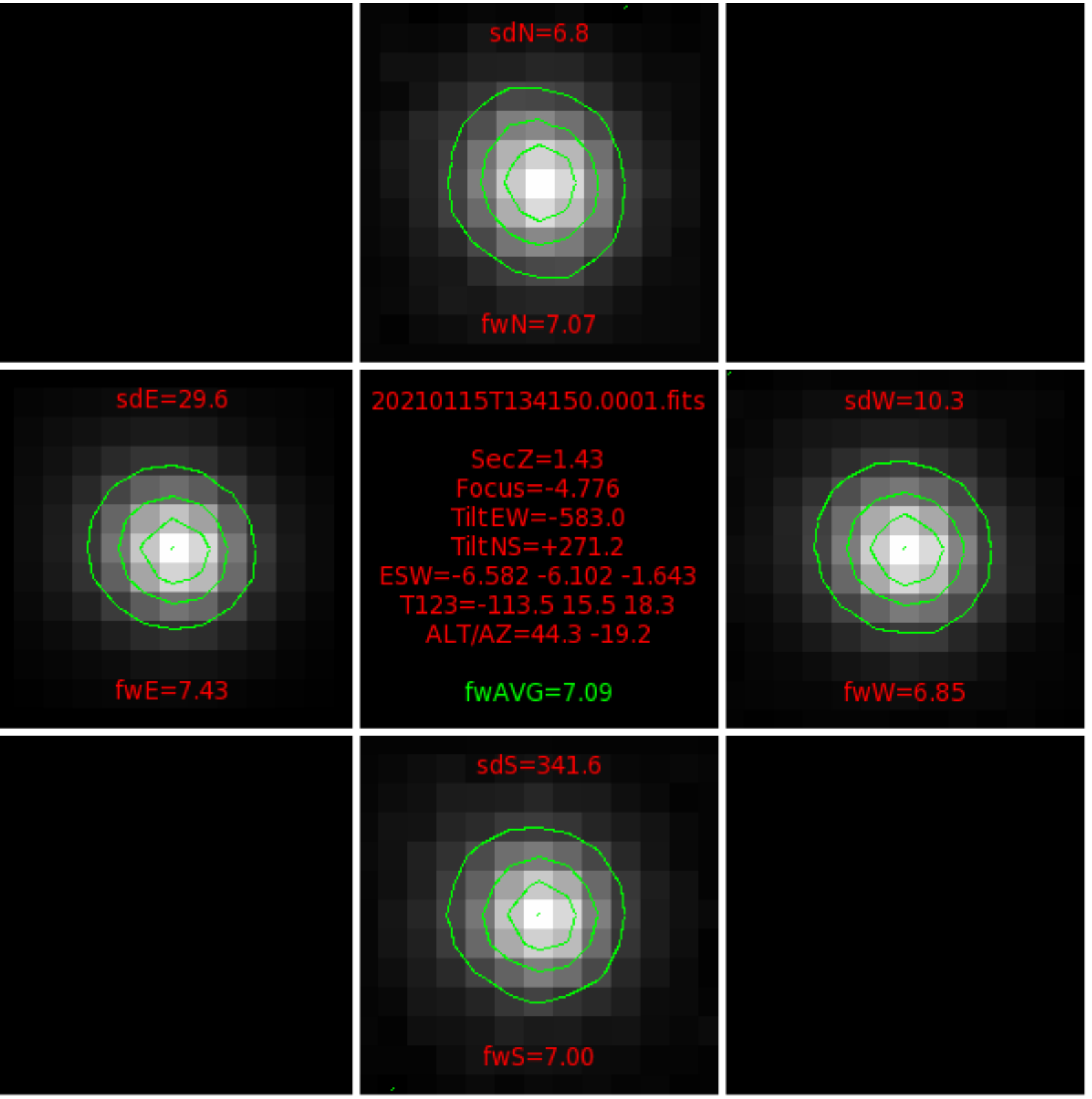
sdN=6.8
fwN=7.07
sdE=29.6
fwE=7.43
20210115T134150.0001.fits
SecZ=1.43
Focus=-4.776
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.582 -6.102 -1.643
T123=-113.5 15.5 18.3
ALT/AZ=44.3 -19.2
fwAVG=7.09
sdW=10.3
fwW=6.85
sdS=341.6
fwS=7.00
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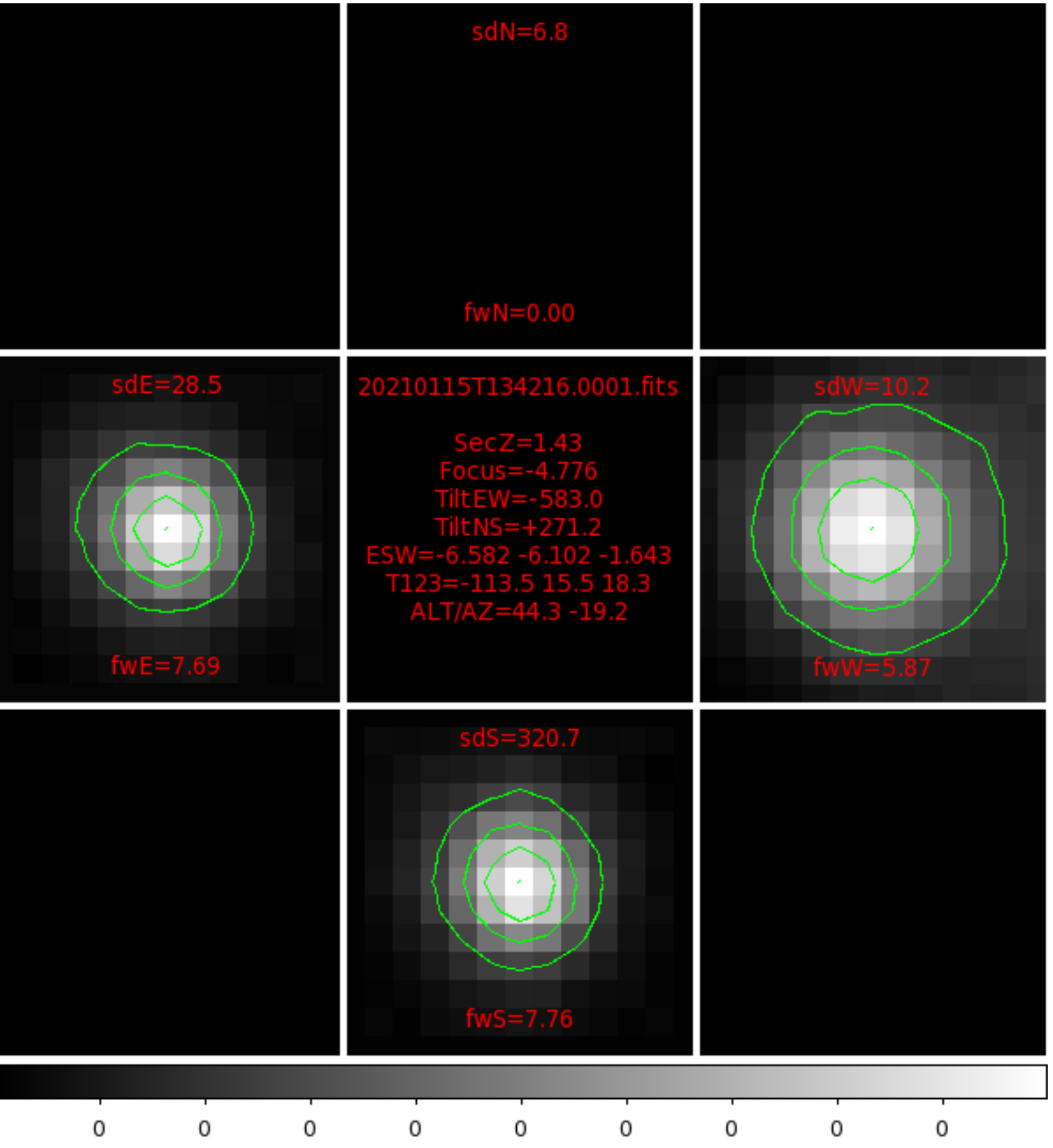
sdN=6.8
fwN=0.00
sdE=28.5
fwE=7.69
20210115T134216.0001.fits
SecZ=1.43
Focus=-4.776
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.582 -6.102 -1.643
T123=-113.5 15.5 18.3
ALT/AZ=44.3 -19.2
sdW=10.2
fwW=5.87
sdS=320.7
fwS=7.76
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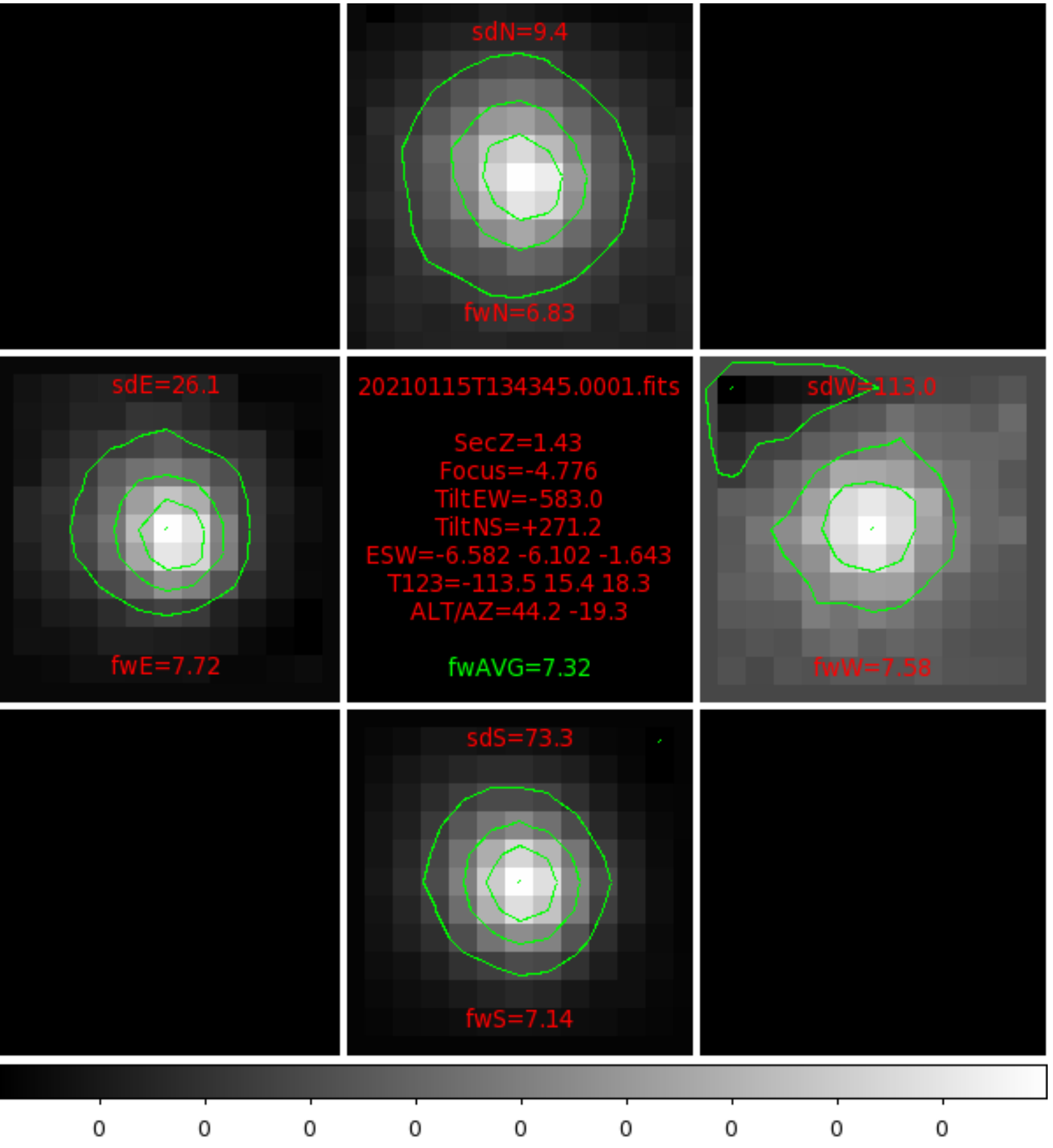
sdN=9.4
fwN=6.83
sdE=26.1
fwE=7.72
20210115T134345.0001.fits
SecZ=1.43
Focus=-4.776
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.582 -6.102 -1.643
T123=-113.5 15.4 18.3
ALT/AZ=44.2 -19.3
fwAVG=7.32
sdW=113.0
fwW=7.58
sdS=73.3
fwS=7.14
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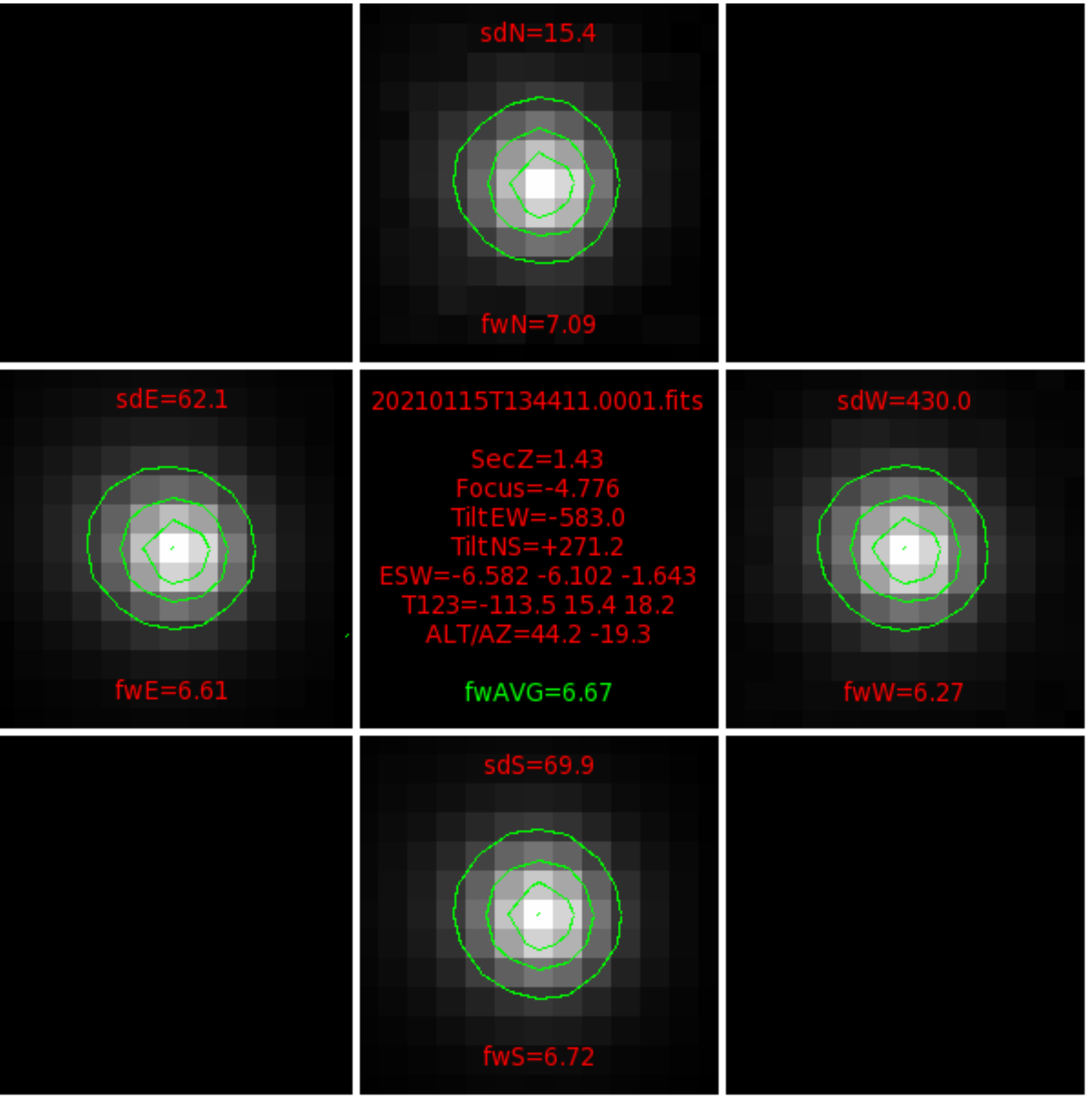
sdN=15.4
fwN=7.09
sdE=62.1
fwE=6.61
20210115T134411.0001.fits
SecZ=1.43
Focus=-4.776
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.582 -6.102 -1.643
T123=-113.5 15.4 18.2
ALT/AZ=44.2 -19.3
fwAVG=6.67
sdW=430.0
fwW=6.27
sdS=69.9
fwS=6.72
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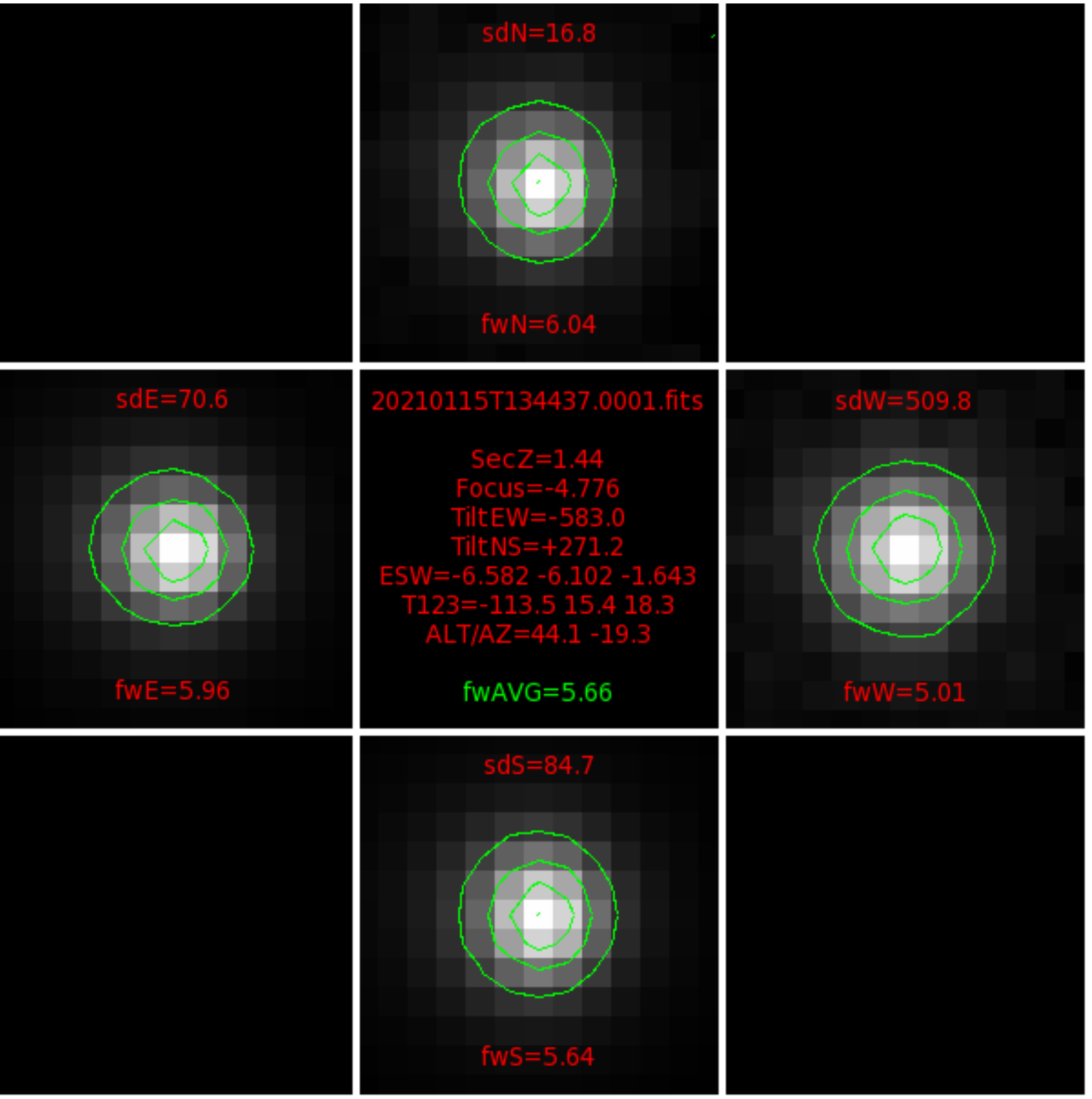
sdN=16.8
fwN=6.04
sdE=70.6
fwE=5.96
20210115T134437.0001.fits
SecZ=1.44
Focus=-4.776
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.582 -6.102 -1.643
T123=-113.5 15.4 18.3
ALT/AZ=44.1 -19.3
fwAVG=5.66
sdW=509.8
fwW=5.01
sdS=84.7
fwS=5.64
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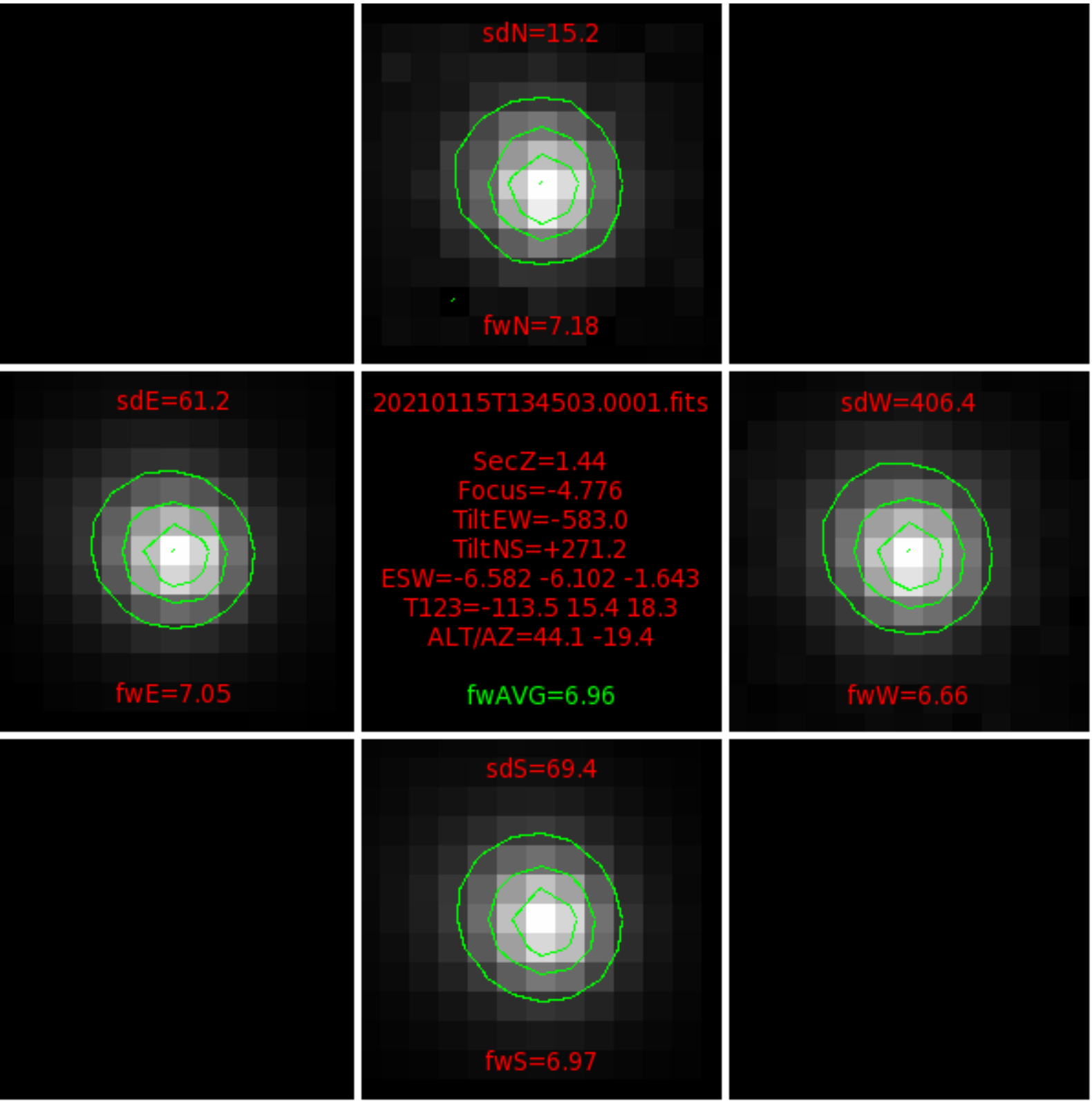
sdN=15.2
fwN=7.18
sdE=61.2
fwE=7.05
20210115T134503.0001.fits
SecZ=1.44
Focus=-4.776
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.582 -6.102 -1.643
T123=-113.5 15.4 18.3
ALT/AZ=44.1 -19.4
fwAVG=6.96
sdW=406.4
fwW=6.66
sdS=69.4
fwS=6.97
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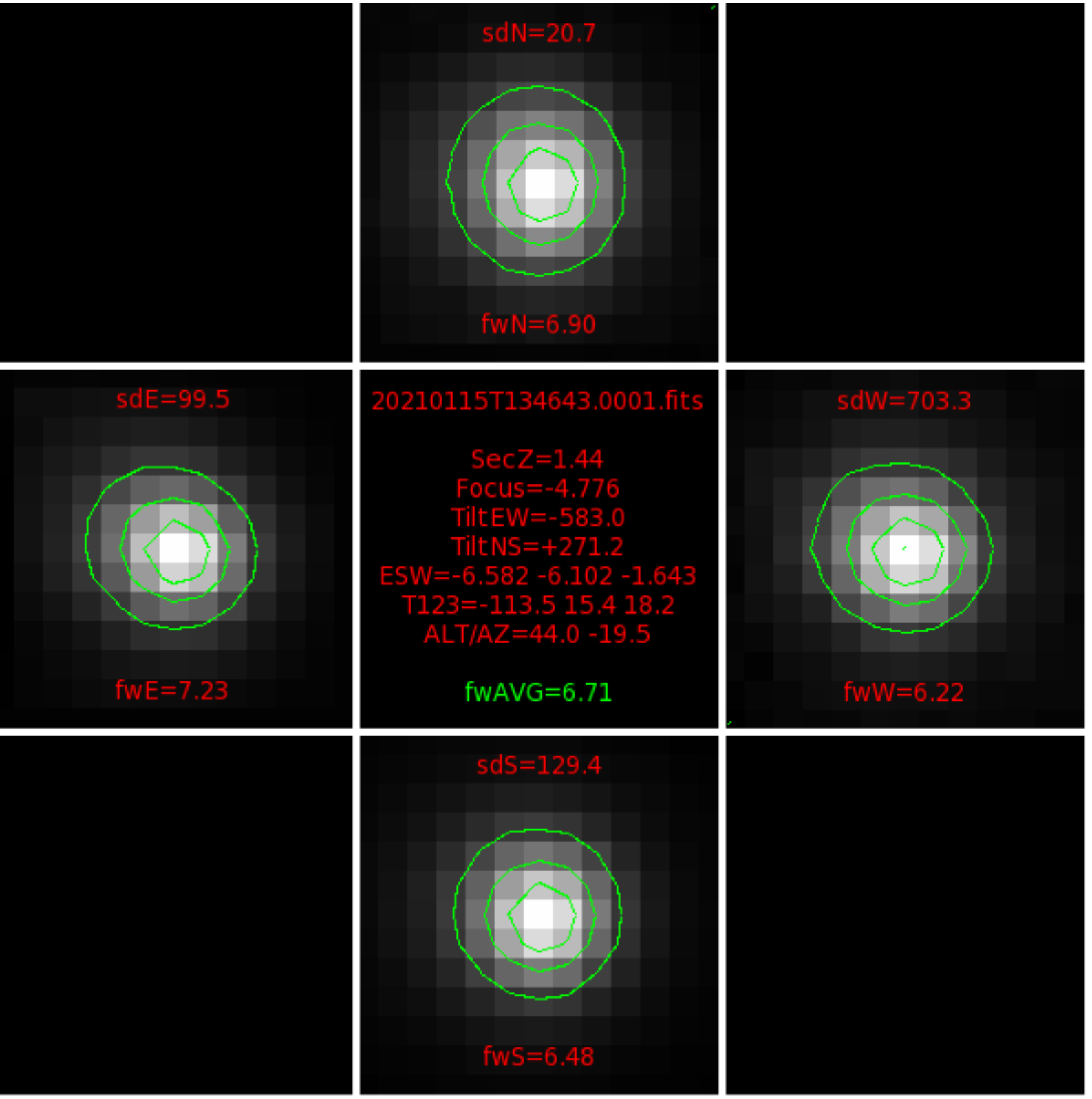
sdN=20.7
fwN=6.90
sdE=99.5
fwE=7.23
20210115T134643.0001.fits
SecZ=1.44
Focus=-4.776
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.582 -6.102 -1.643
T123=-113.5 15.4 18.2
ALT/AZ=44.0 -19.5
fwAVG=6.71
sdW=703.3
fwW=6.22
sdS=129.4
fwS=6.48
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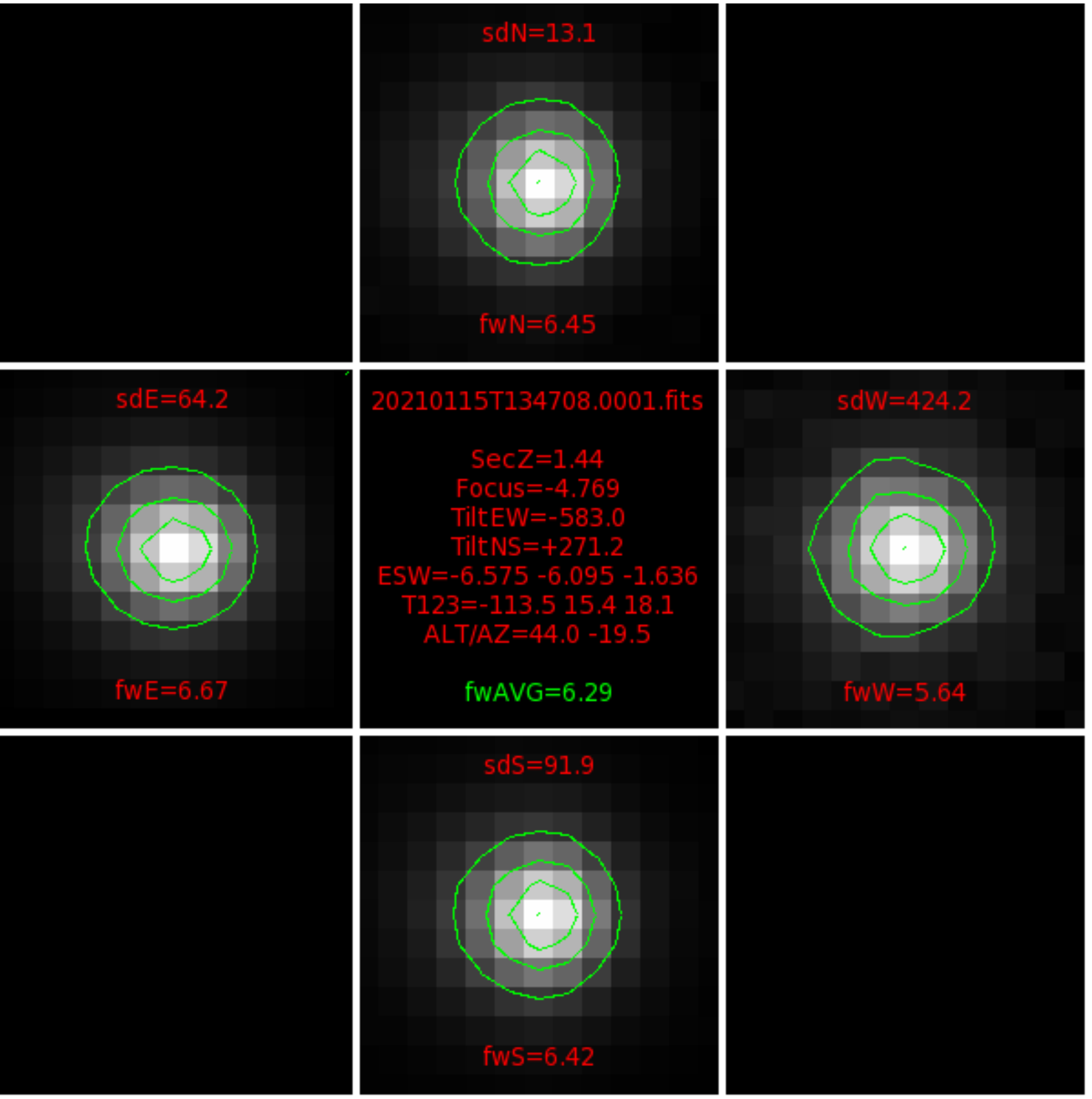
sdN=13.1
fwN=6.45
sdE=64.2
fwE=6.67
20210115T134708.0001.fits
SecZ=1.44
Focus=-4.769
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.575 -6.095 -1.636
T123=-113.5 15.4 18.1
ALT/AZ=44.0 -19.5
fwAVG=6.29
sdW=424.2
fwW=5.64
sdS=91.9
fwS=6.42
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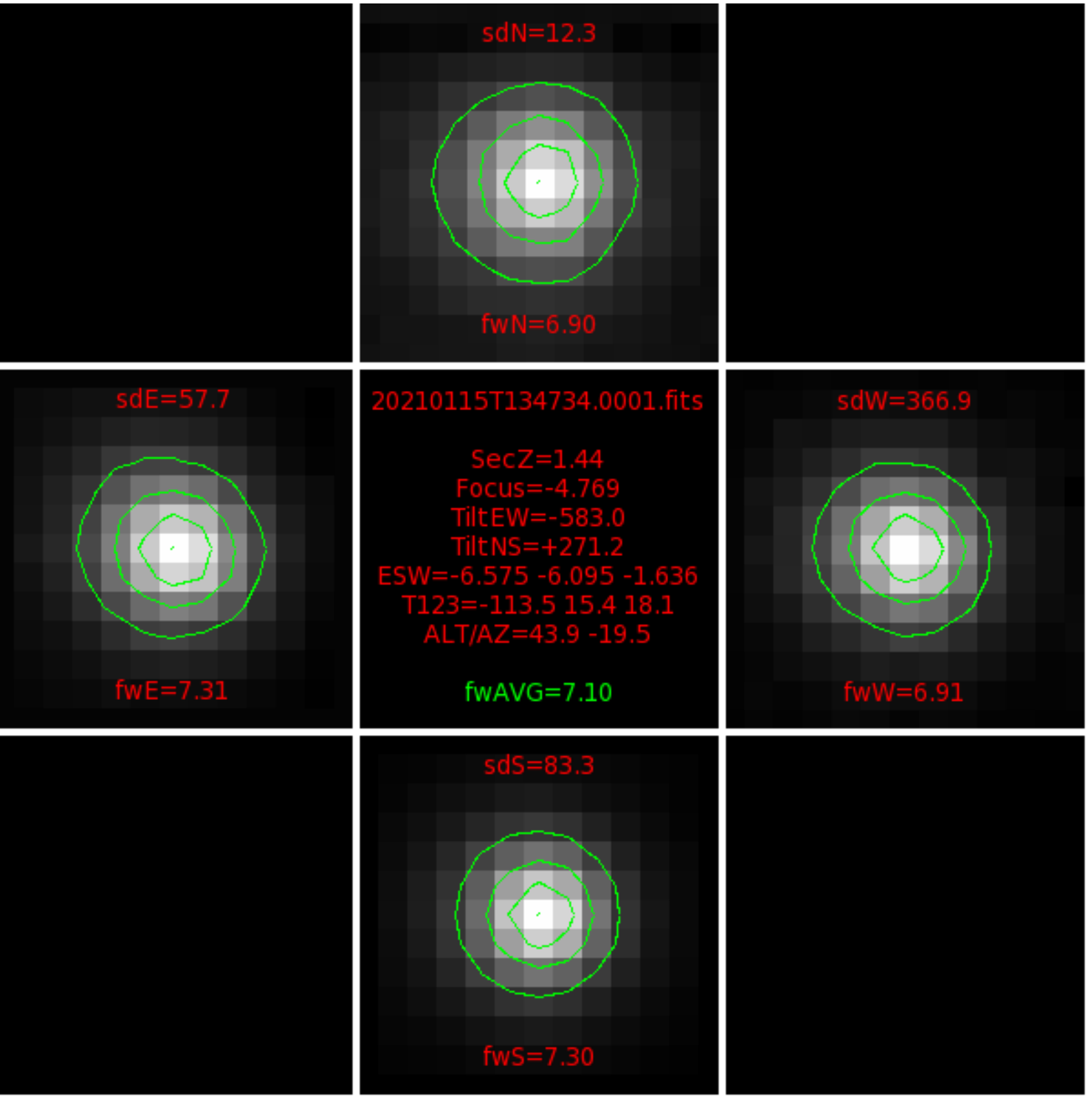
sdN=12.3
fwN=6.90
sdE=57.7
fwE=7.31
20210115T134734.0001.fits
SecZ=1.44
Focus=-4.769
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.575 -6.095 -1.636
T123=-113.5 15.4 18.1
ALT/AZ=43.9 -19.5
fwAVG=7.10
sdW=366.9
fwW=6.91
sdS=83.3
fwS=7.30
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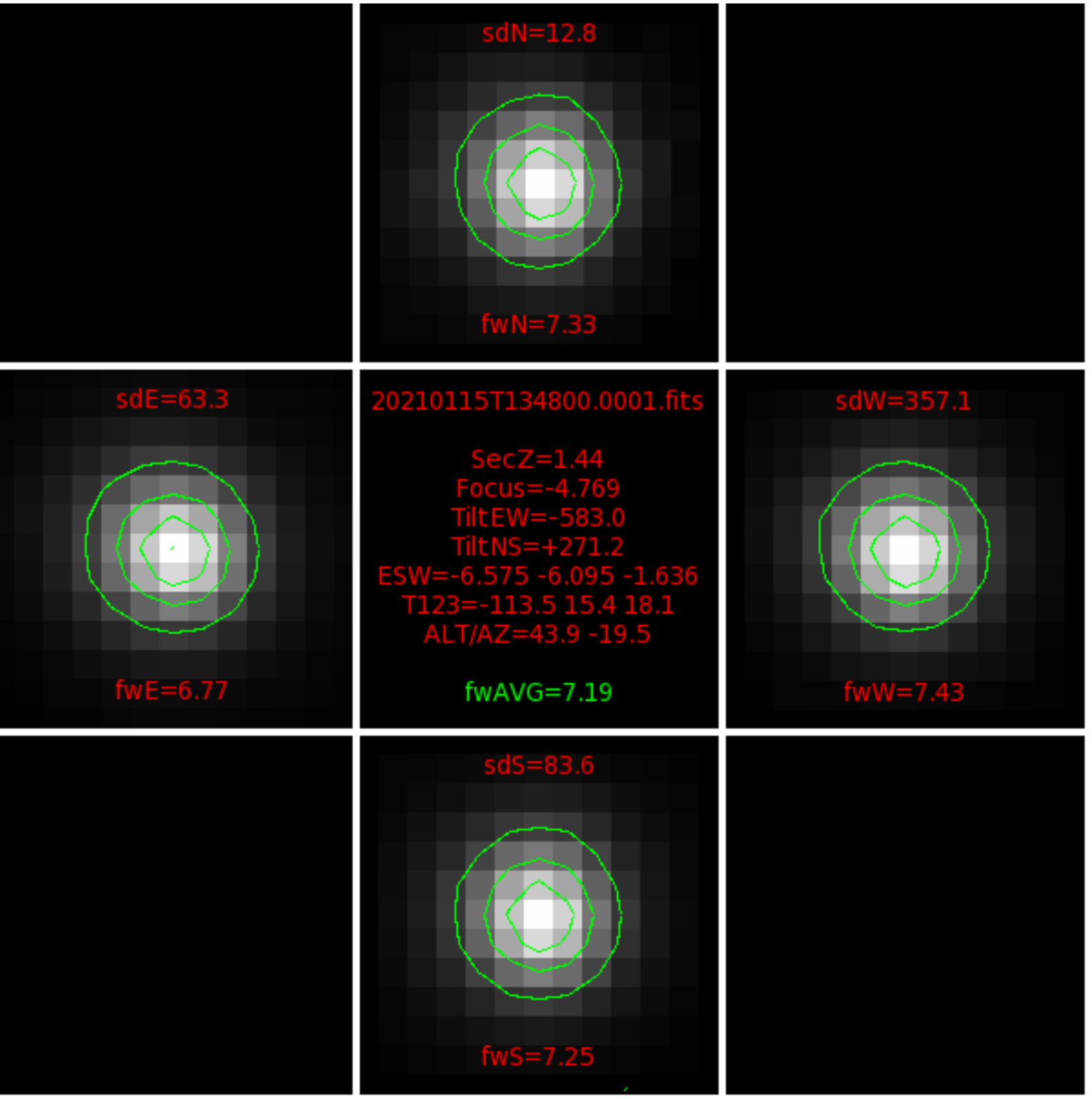
sdN=12.8
fwN=7.33
sdE=63.3
fwE=6.77
20210115T134800.0001.fits
SecZ=1.44
Focus=-4.769
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.575 -6.095 -1.636
T123=-113.5 15.4 18.1
ALT/AZ=43.9 -19.5
fwAVG=7.19
sdW=357.1
fwW=7.43
sdS=83.6
fwS=7.25
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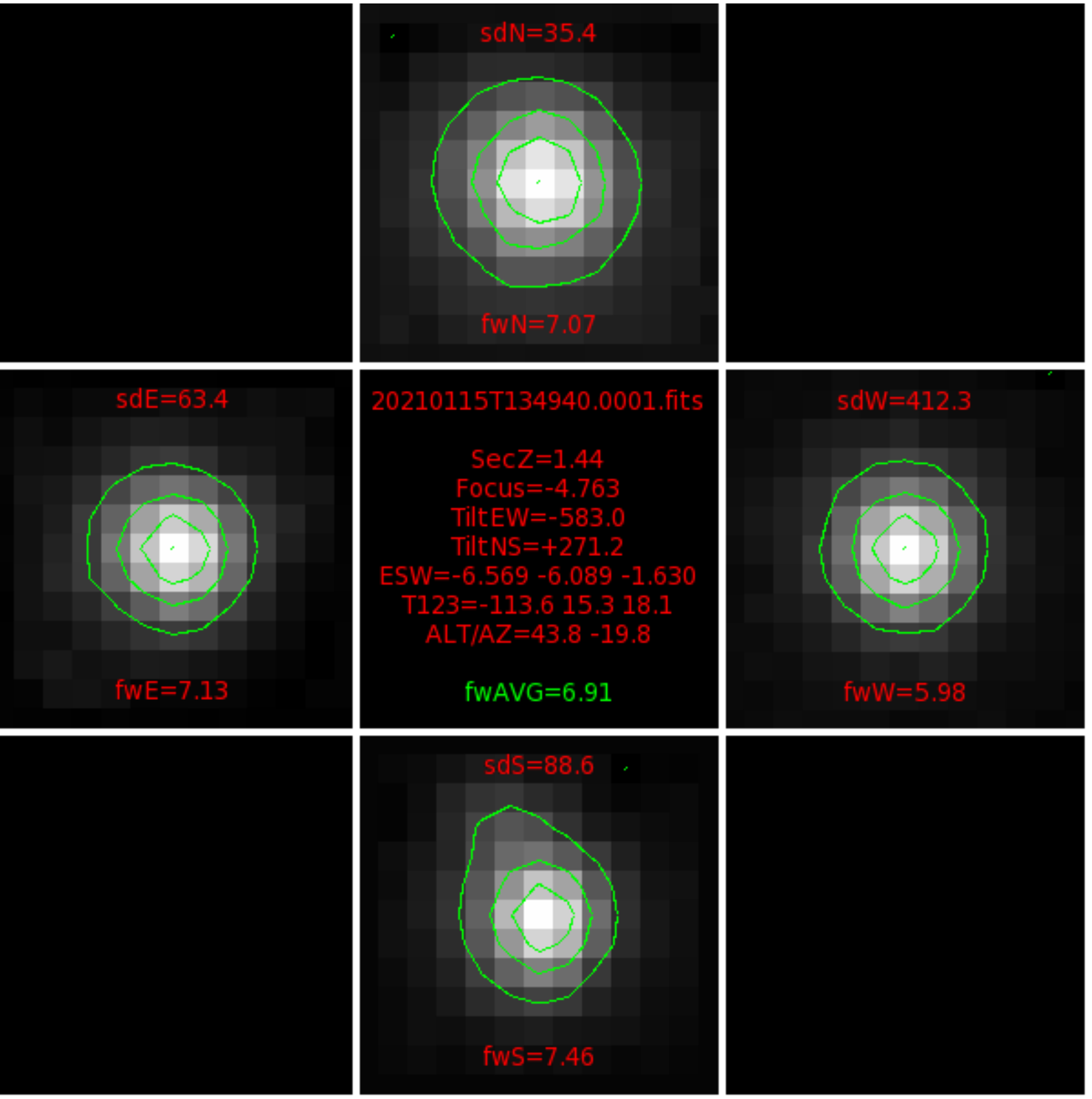
sdN=35.4
fwN=7.07
sdE=63.4
fwE=7.13
20210115T134940.0001.fits
SecZ=1.44
Focus=-4.763
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.569 -6.089 -1.630
T123=-113.6 15.3 18.1
ALT/AZ=43.8 -19.8
fwAVG=6.91
sdW=412.3
fwW=5.98
sdS=88.6
fwS=7.46
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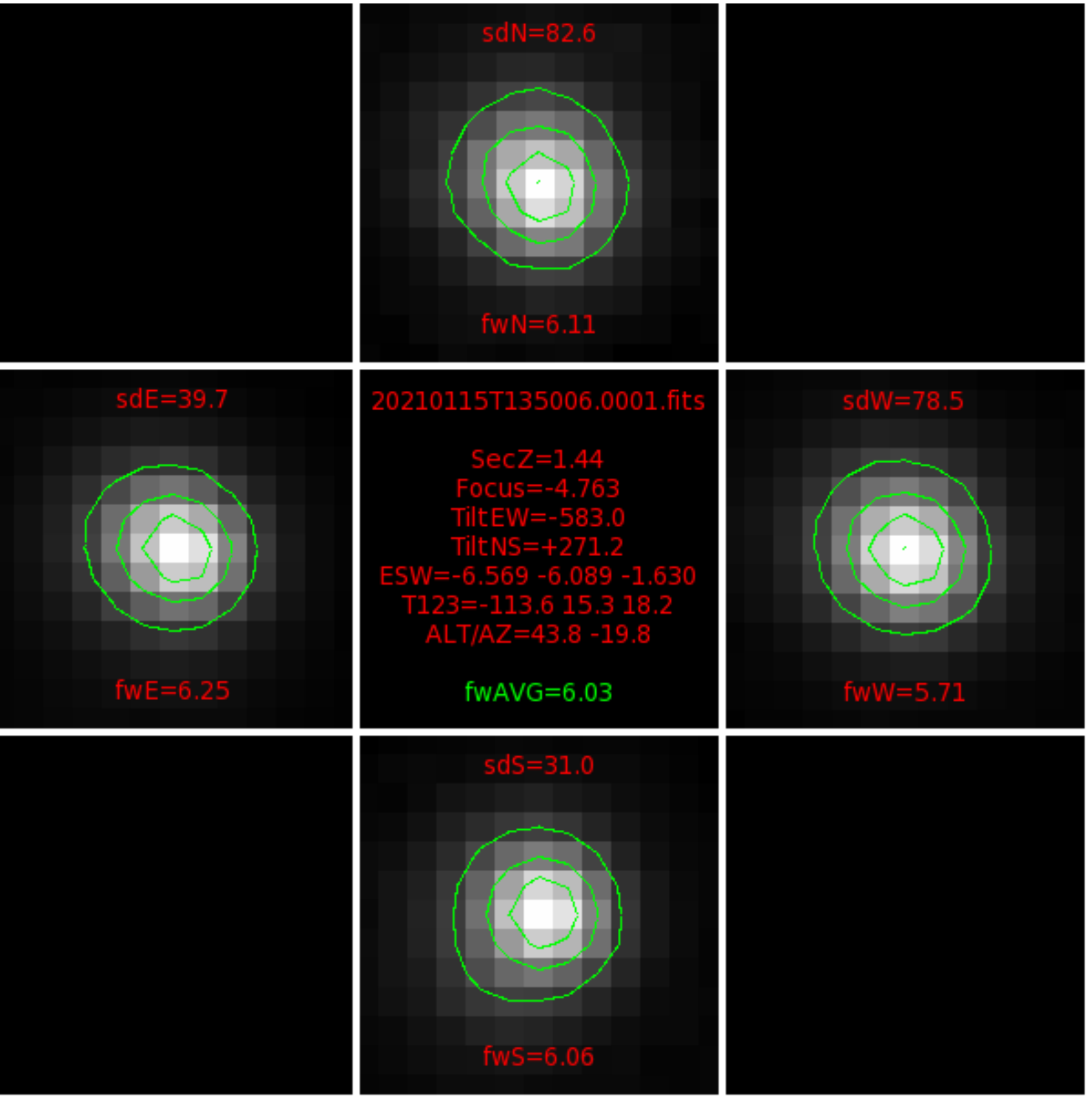
sdN=82.6
fwN=6.11
sdE=39.7
fwE=6.25
20210115T135006.0001.fits
SecZ=1.44
Focus=-4.763
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.569 -6.089 -1.630
T123=-113.6 15.3 18.2
ALT/AZ=43.8 -19.8
fwAVG=6.03
sdW=78.5
fwW=5.71
sdS=31.0
fwS=6.06
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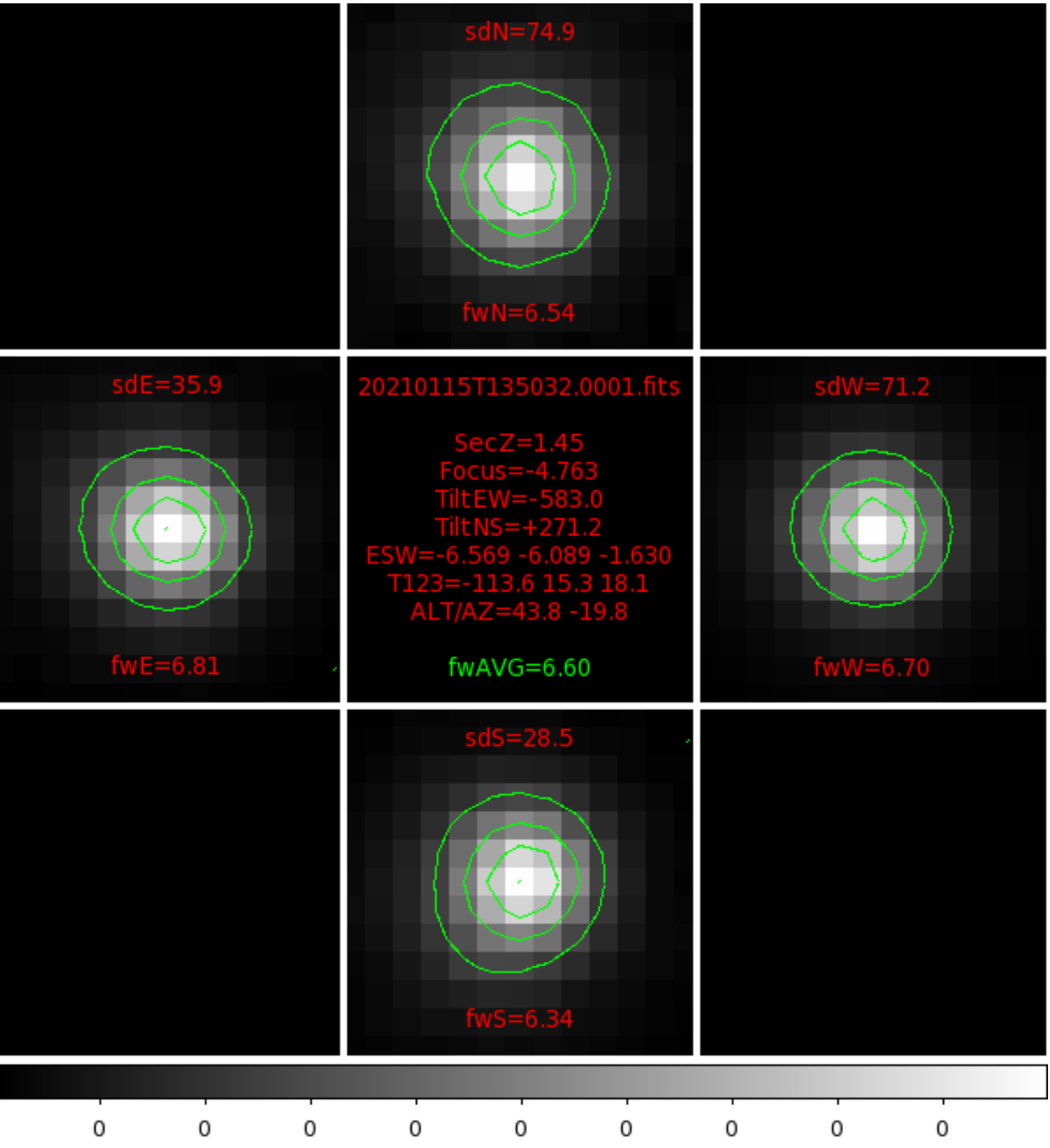
sdN=74.9
fwN=6.54
sdE=35.9
fwE=6.81
20210115T135032.0001.fits
SecZ=1.45
Focus=-4.763
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.569 -6.089 -1.630
T123=-113.6 15.3 18.1
ALT/AZ=43.8 -19.8
fwAVG=6.60
sdW=71.2
fwW=6.70
sdS=28.5
fwS=6.34
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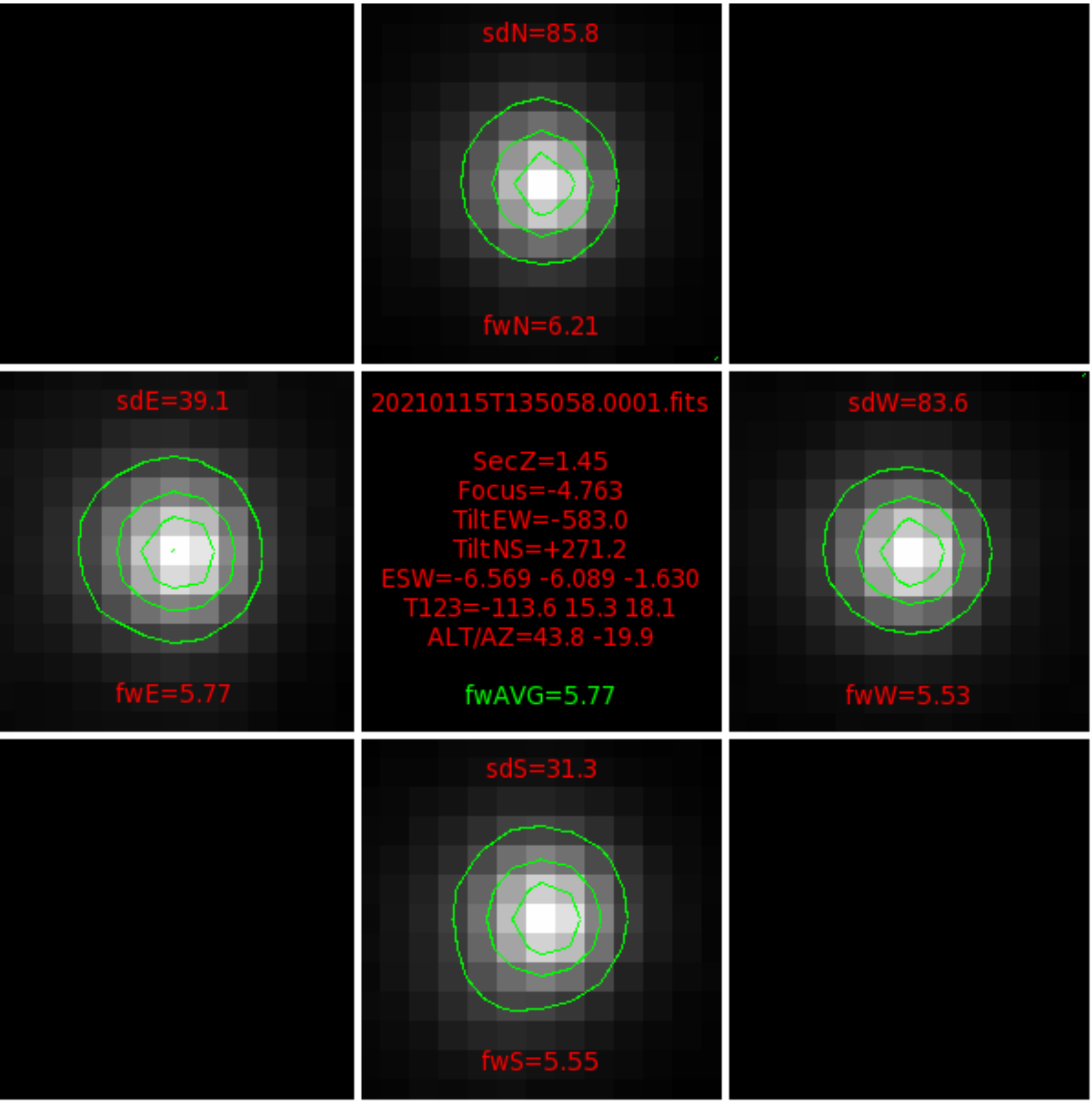
sdN=85.8
fwN=6.21
sdE=39.1
fwE=5.77
20210115T135058.0001.fits
SecZ=1.45
Focus=-4.763
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.569 -6.089 -1.630
T123=-113.6 15.3 18.1
ALT/AZ=43.8 -19.9
fwAVG=5.77
sdW=83.6
fwW=5.53
sdS=31.3
fwS=5.55
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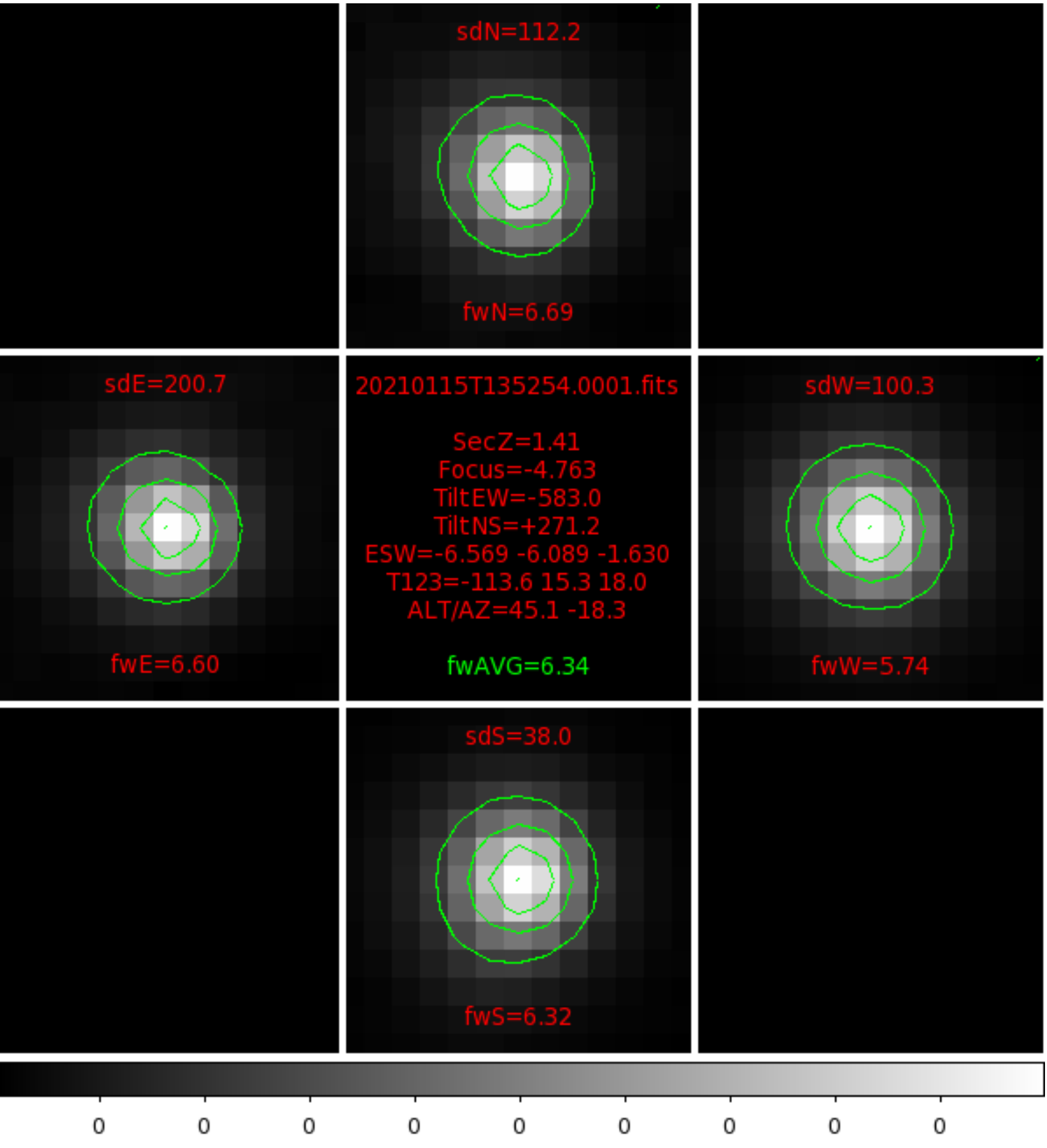
sdN=112.2
fwN=6.69
sdE=200.7
fwE=6.60
20210115T135254.0001.fits
SecZ=1.41
Focus=-4.763
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.569 -6.089 -1.630
T123=-113.6 15.3 18.0
ALT/AZ=45.1 -18.3
fwAVG=6.34
sdW=100.3
fwW=5.74
sdS=38.0
fwS=6.32
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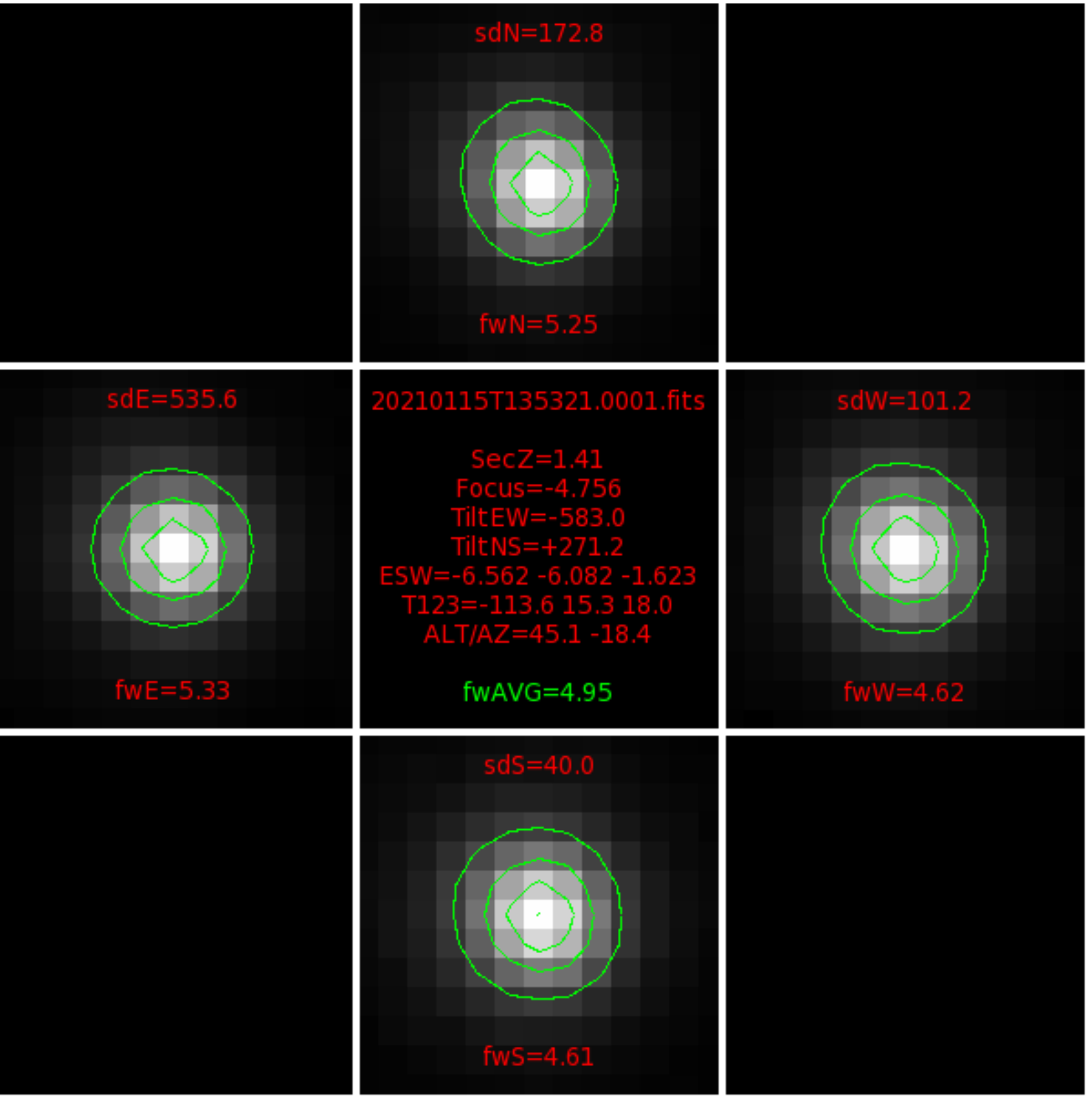
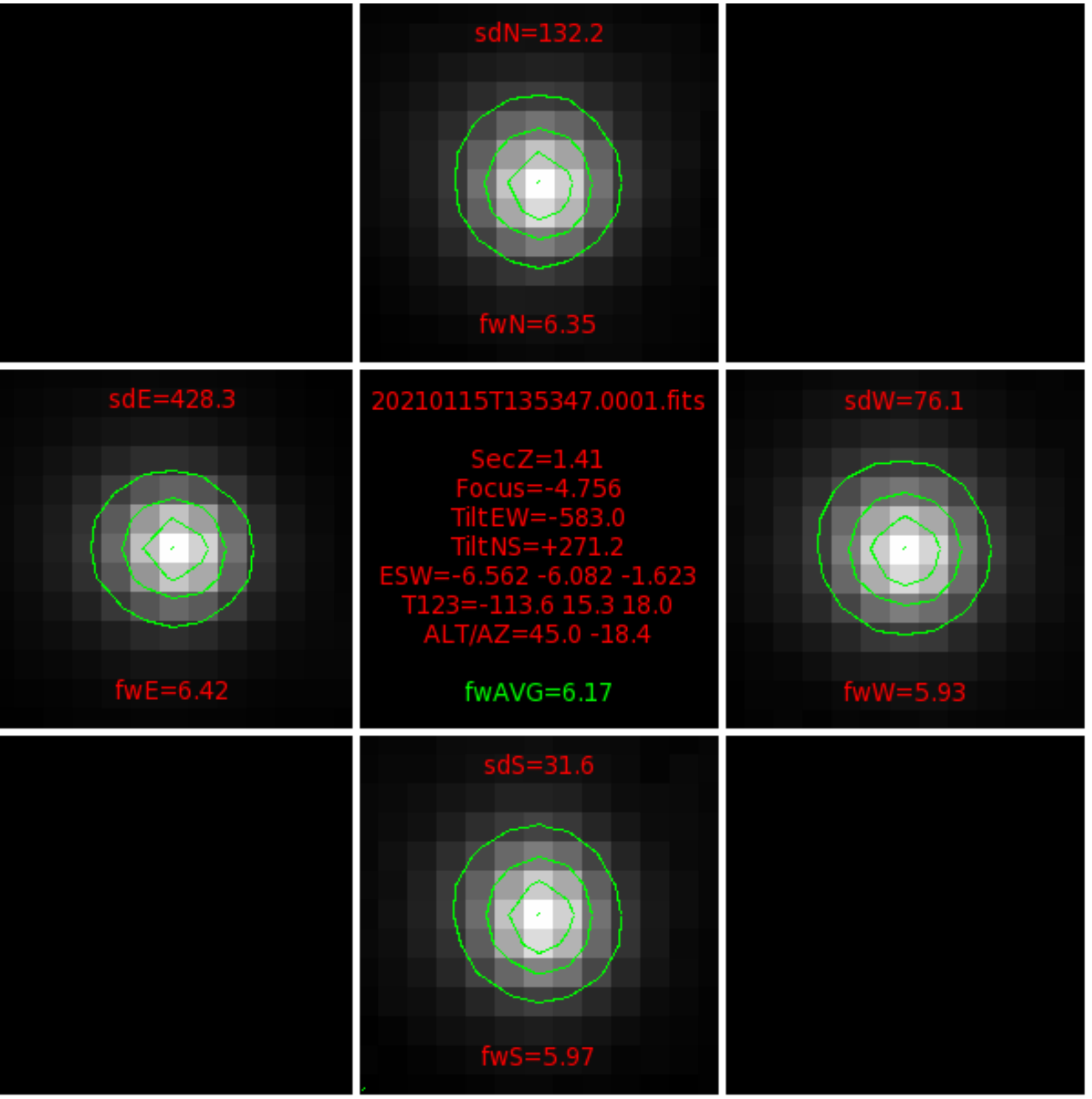

sdN=172.8
fwN=5.25
sdE=535.6
fwE=5.33
20210115T135321.0001.fits
SecZ=1.41
Focus=-4.756
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.562 -6.082 -1.623
T123=-113.6 15.3 18.0
ALT/AZ=45.1 -18.4
fwAVG=4.95
sdW=101.2
fwW=4.62
sdS=40.0
fwS=4.61
0 0 0 0 0 0 0 0 0


sdN=132.2
fwN=6.35
sdE=428.3
fwE=6.42
20210115T135347.0001.fits
SecZ=1.41
Focus=-4.756
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.562 -6.082 -1.623
T123=-113.6 15.3 18.0
ALT/AZ=45.0 -18.4
fwAVG=6.17
sdW=76.1
fwW=5.93
sdS=31.6
fwS=5.97
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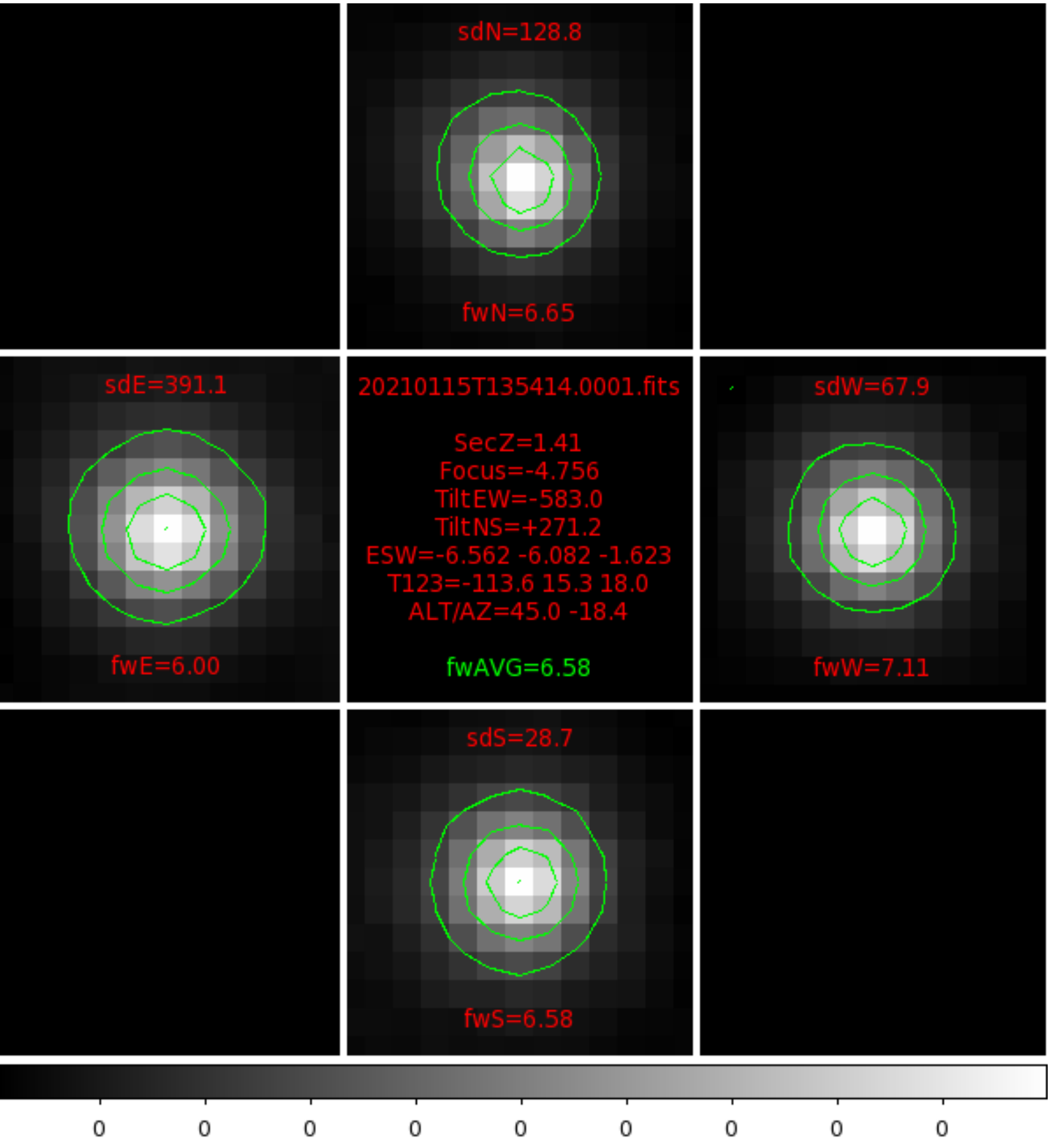
sdN=128.8
fwN=6.65
sdE=391.1
fwE=6.00
20210115T135414.0001.fits
SecZ=1.41
Focus=-4.756
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.562 -6.082 -1.623
T123=-113.6 15.3 18.0
ALT/AZ=45.0 -18.4
fwAVG=6.58
sdW=67.9
fwW=7.11
sdS=28.7
fwS=6.58
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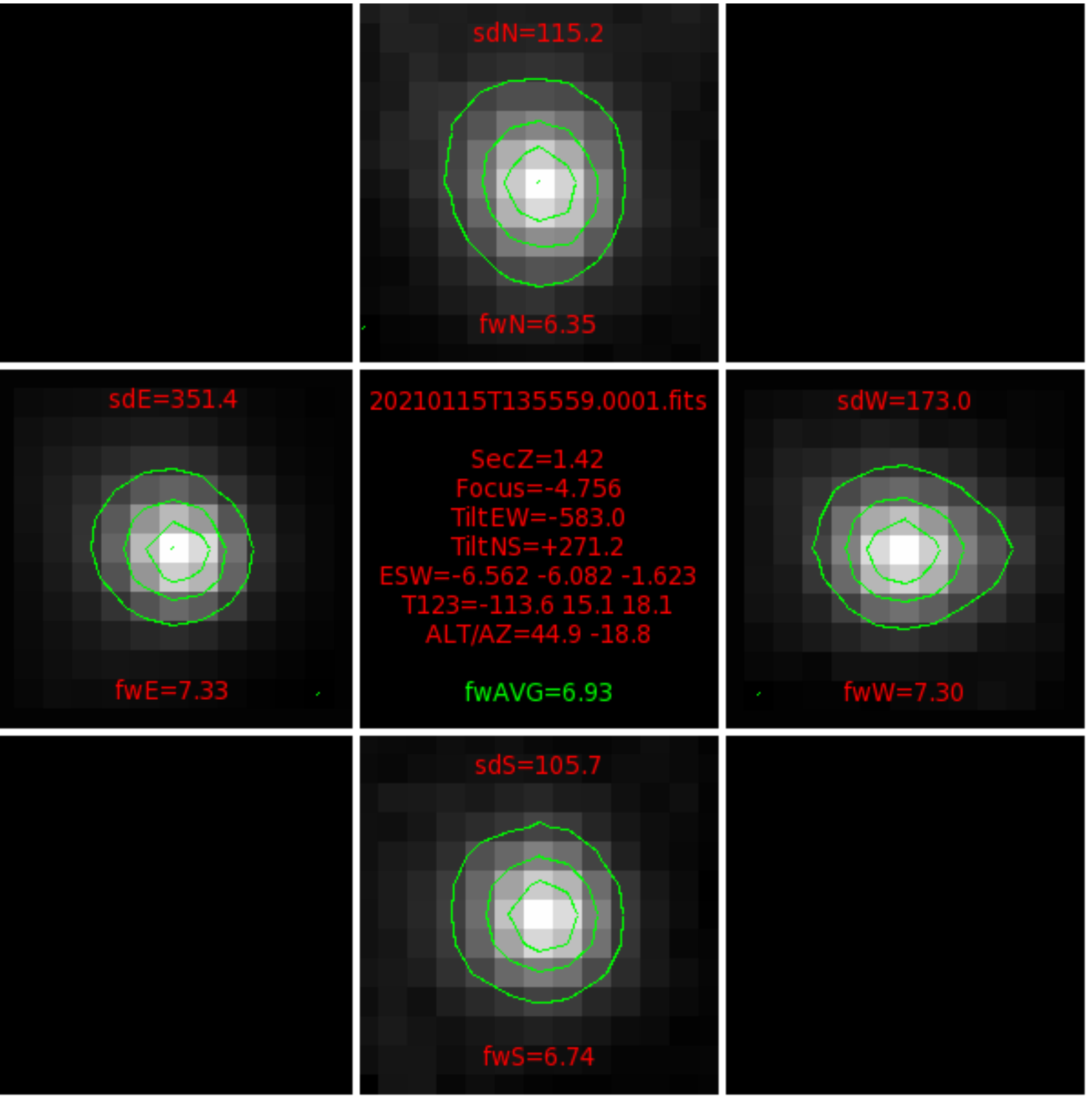
sdN=115.2
fwN=6.35
sdE=351.4
fwE=7.33
20210115T135559.0001.fits
SecZ=1.42
Focus=-4.756
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.562 -6.082 -1.623
T123=-113.6 15.1 18.1
ALT/AZ=44.9 -18.8
fwAVG=6.93
sdW=173.0
fwW=7.30
sdS=105.7
fwS=6.74
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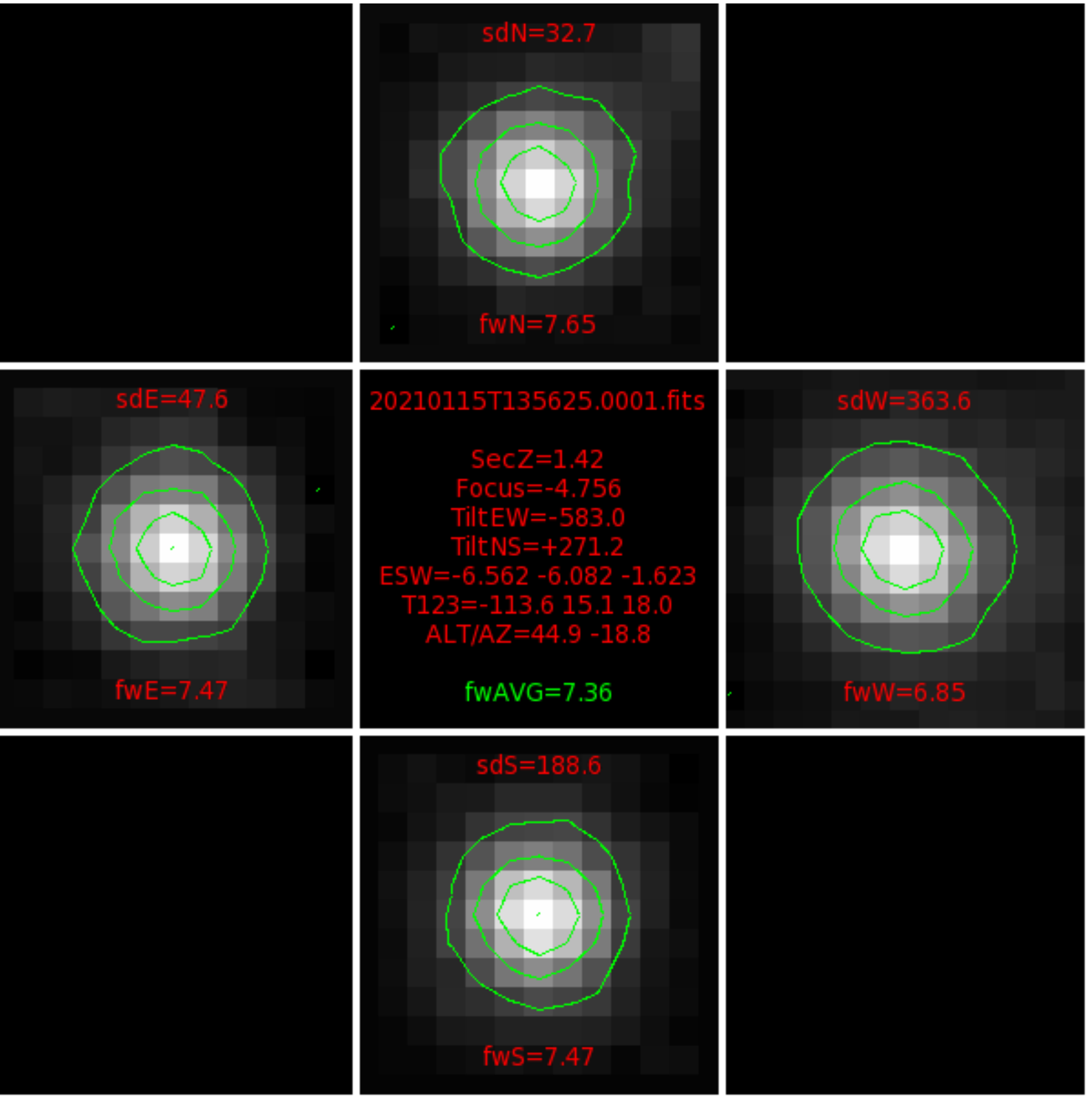
sdN=32.7
fwN=7.65
sdE=47.6
fwE=7.47
20210115T135625.0001.fits
SecZ=1.42
Focus=-4.756
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.562 -6.082 -1.623
T123=-113.6 15.1 18.0
ALT/AZ=44.9 -18.8
fwAVG=7.36
sdW=363.6
fwW=6.85
sdS=188.6
fwS=7.47
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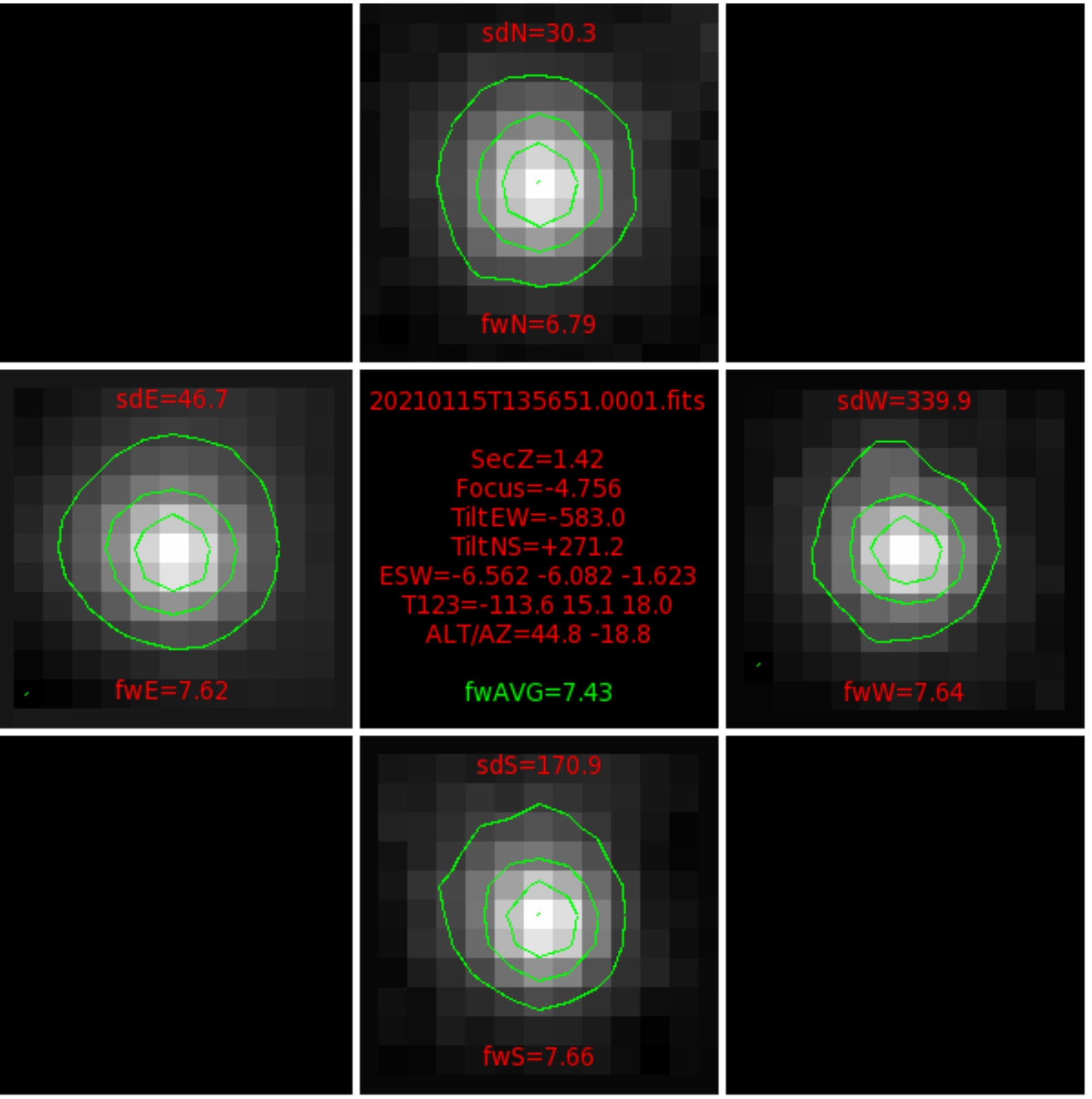
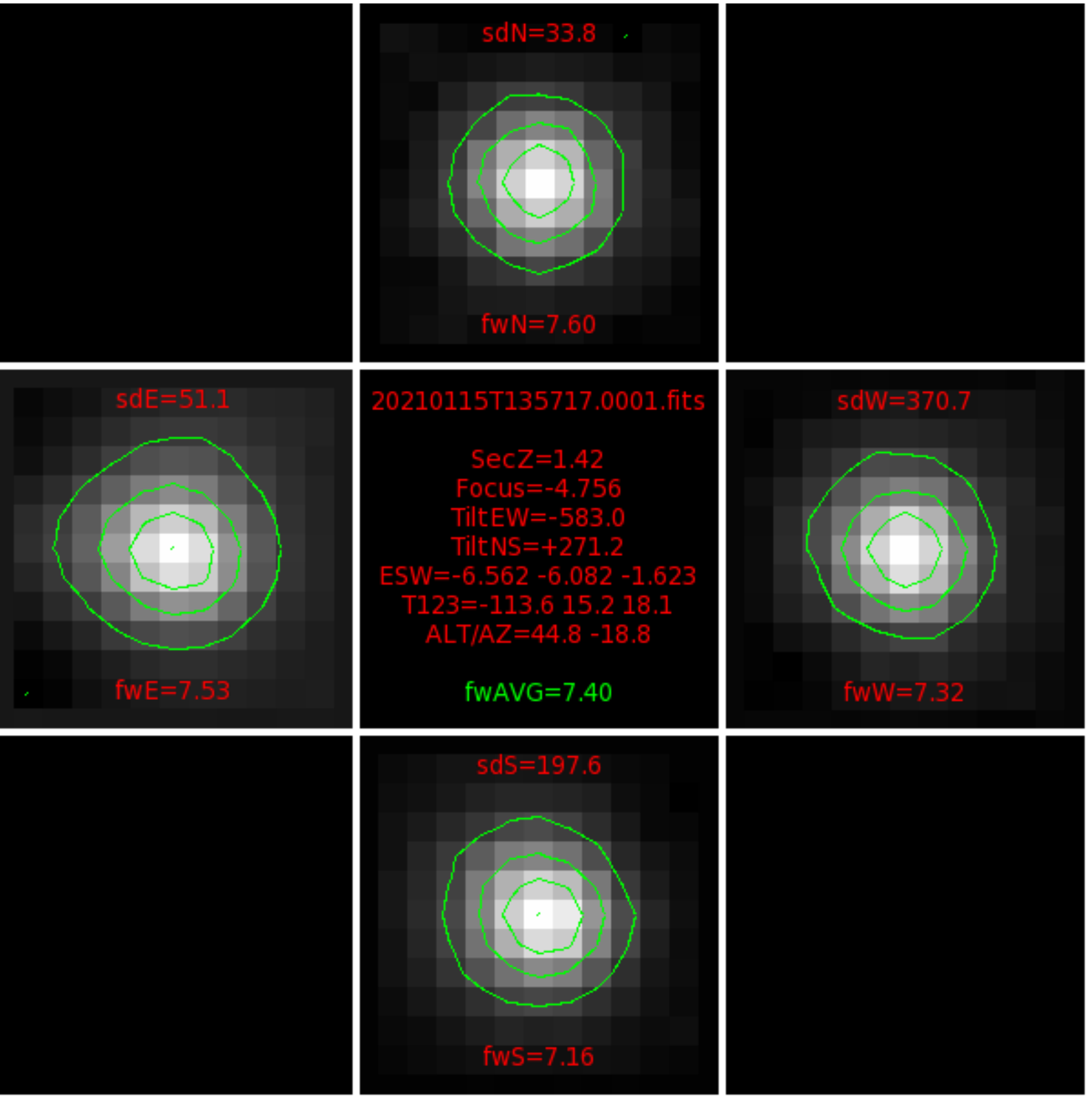

sdN=30.3
fwN=6.79
sdE=46.7
fwE=7.62
20210115T135651.0001.fits
SecZ=1.42
Focus=-4.756
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.562 -6.082 -1.623
T123=-113.6 15.1 18.0
ALT/AZ=44.8 -18.8
fwAVG=7.43
sdW=339.9
fwW=7.64
sdS=170.9
fwS=7.66
0 0 0 0 0 0 0 0 0


sdN=33.8
fwN=7.60
sdE=51.1
fwE=7.53
20210115T135717.0001.fits
SecZ=1.42
Focus=-4.756
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.562 -6.082 -1.623
T123=-113.6 15.2 18.1
ALT/AZ=44.8 -18.8
fwAVG=7.40
sdW=370.7
fwW=7.32
sdS=197.6
fwS=7.16
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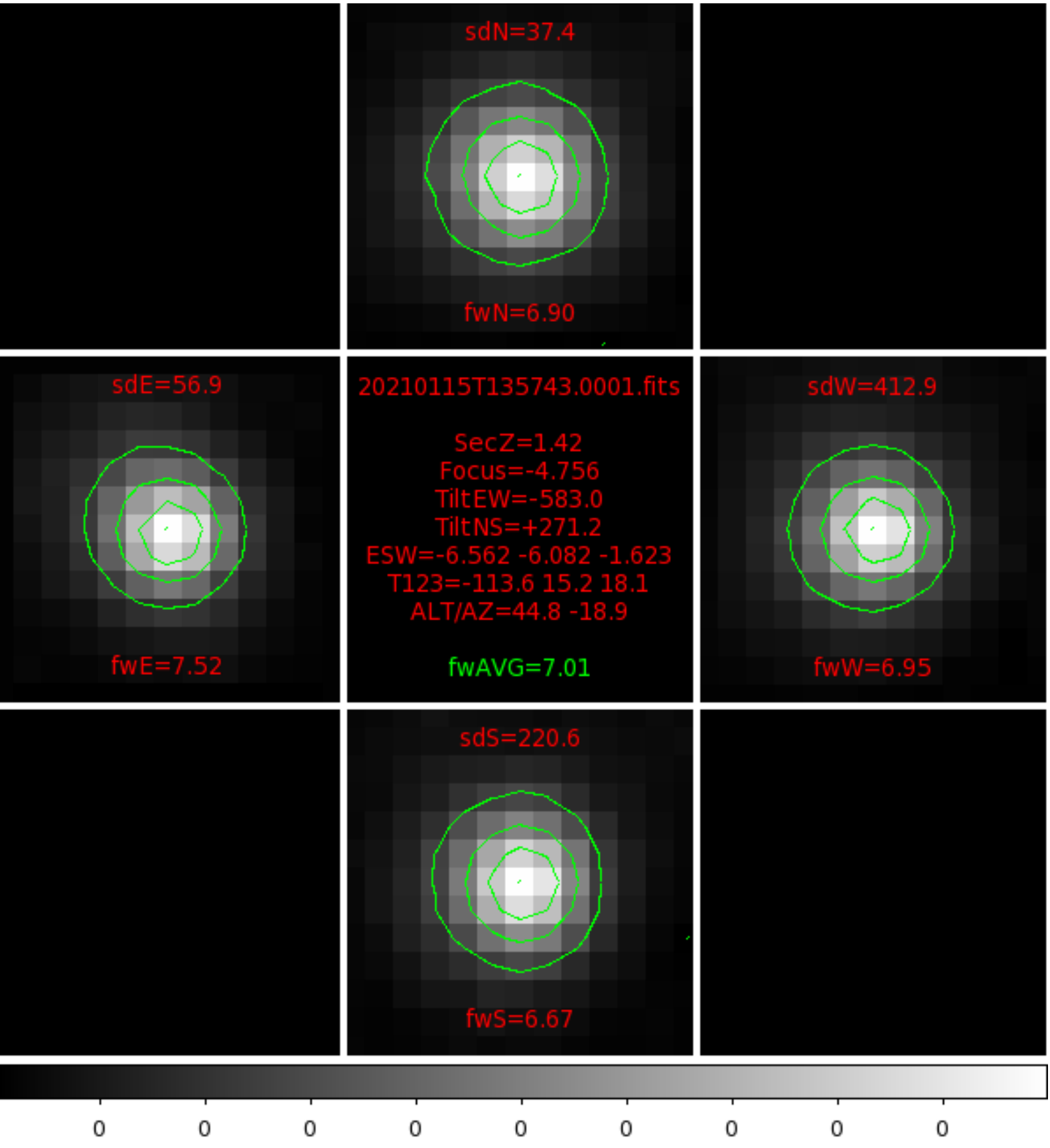
sdN=37.4
fwN=6.90
sdE=56.9
fwE=7.52
20210115T135743.0001.fits
SecZ=1.42
Focus=-4.756
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.562 -6.082 -1.623
T123=-113.6 15.2 18.1
ALT/AZ=44.8 -18.9
fwAVG=7.01
sdW=412.9
fwW=6.95
sdS=220.6
fwS=6.67
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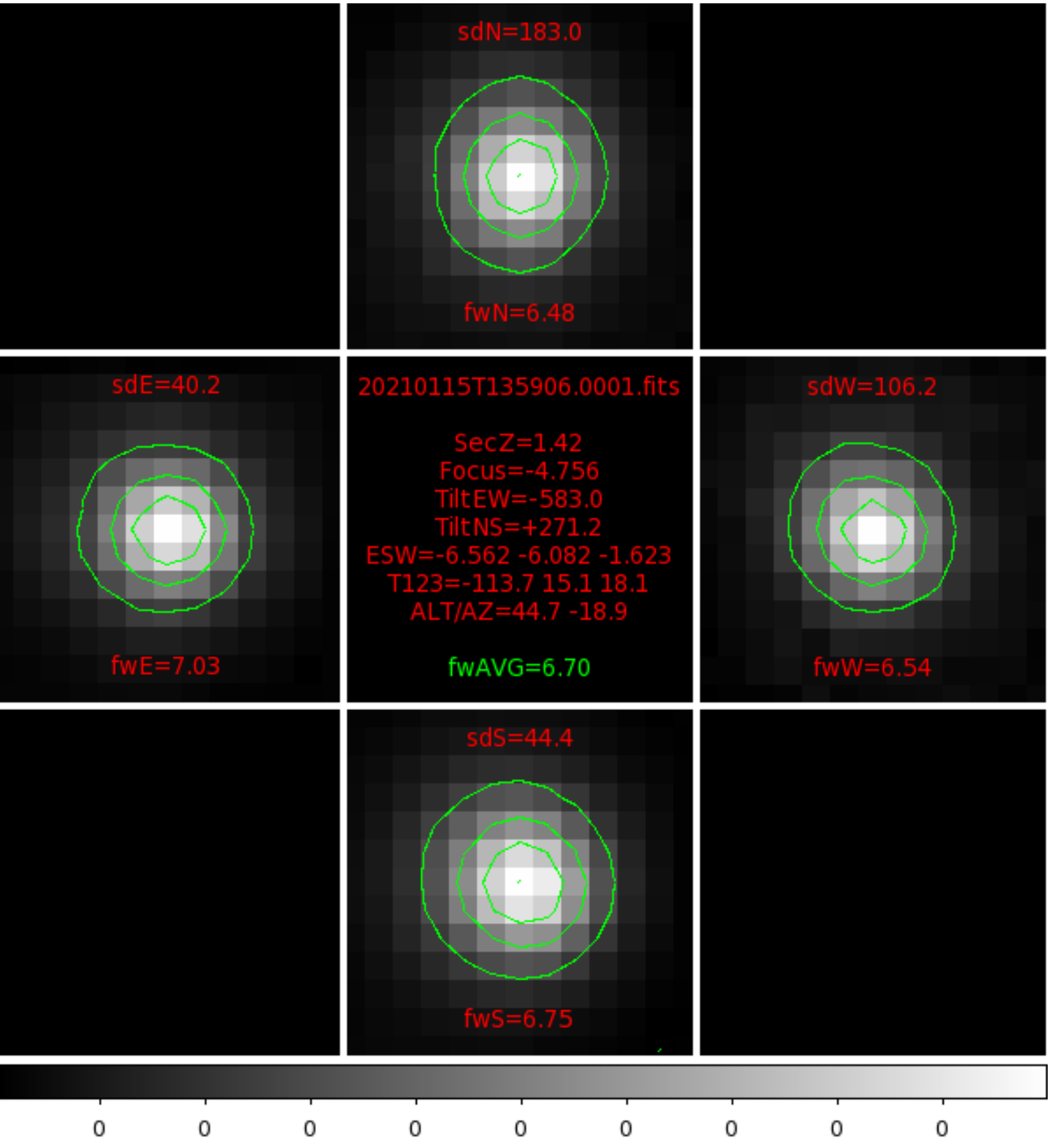
sdN=183.0
fwN=6.48
sdE=40.2
fwE=7.03
20210115T135906.0001.fits
SecZ=1.42
Focus=-4.756
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.562 -6.082 -1.623
T123=-113.7 15.1 18.1
ALT/AZ=44.7 -18.9
fwAVG=6.70
sdW=106.2
fwW=6.54
sdS=44.4
fwS=6.75
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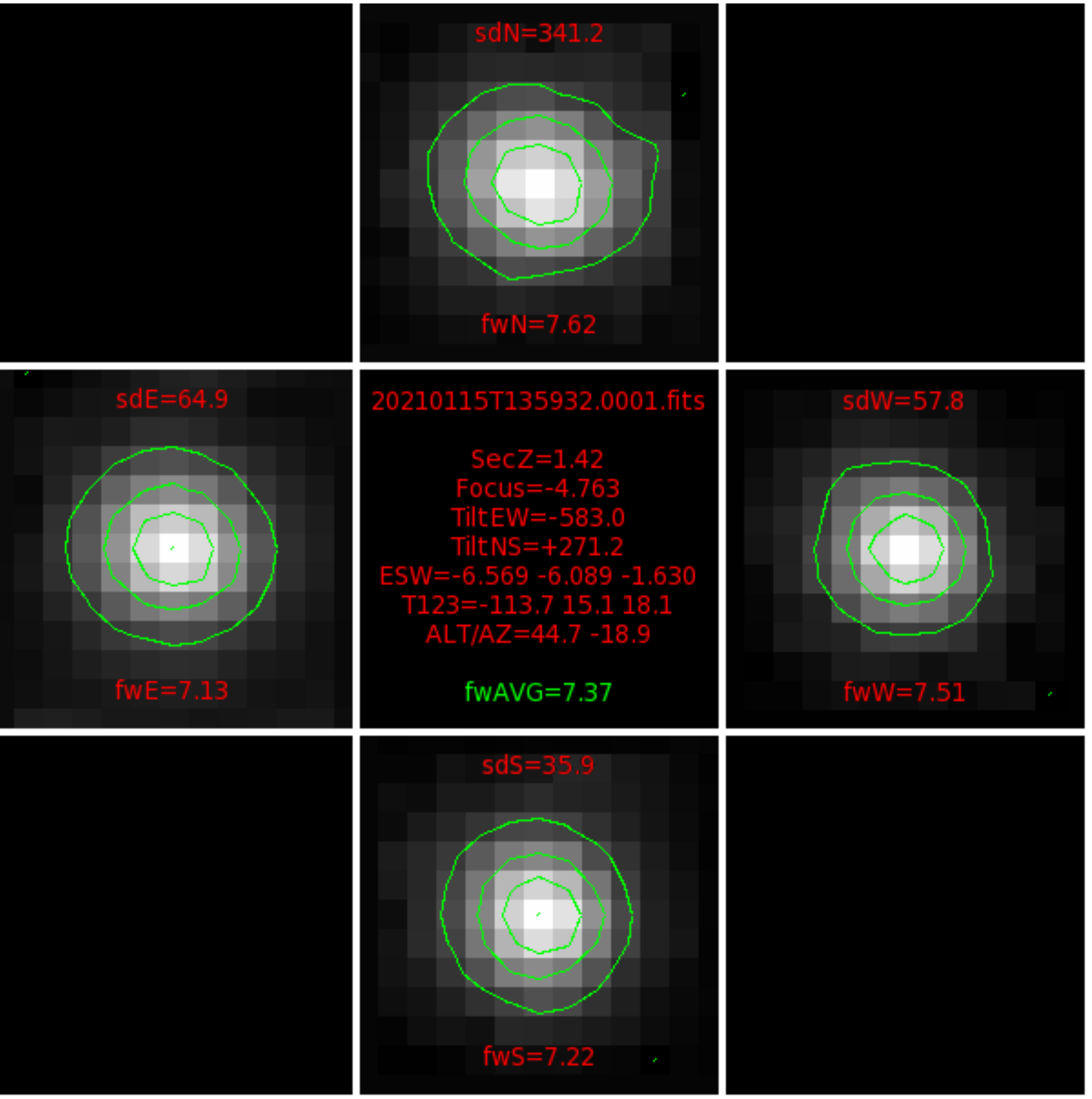
sdN=341.2
fwN=7.62
sdE=64.9
fwE=7.13
20210115T135932.0001.fits
SecZ=1.42
Focus=-4.763
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.569 -6.089 -1.630
T123=-113.7 15.1 18.1
ALT/AZ=44.7 -18.9
fwAVG=7.37
sdW=57.8
fwW=7.51
sdS=35.9
fwS=7.22
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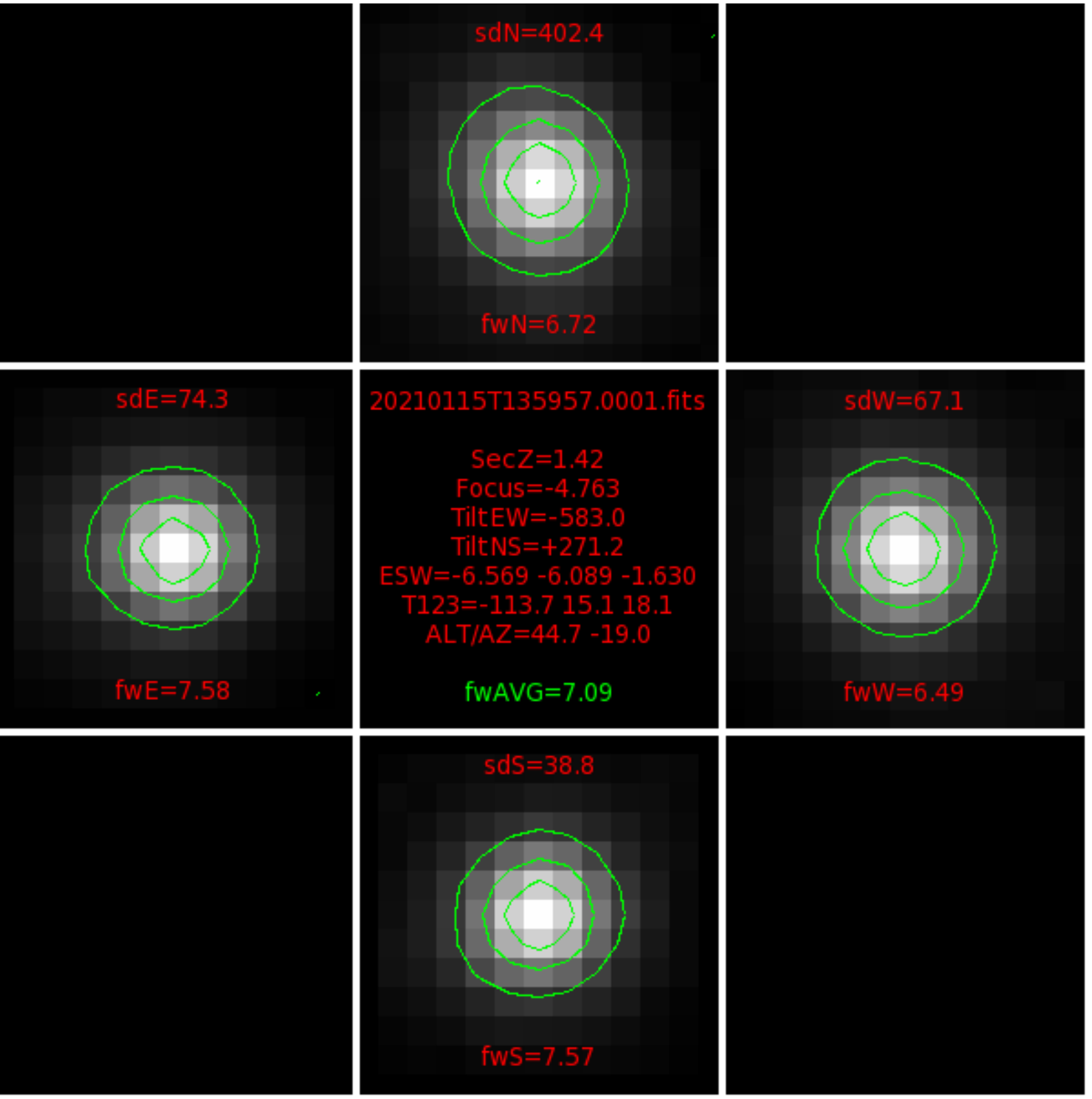
sdN=402.4
fwN=6.72
sdE=74.3
fwE=7.58
20210115T135957.0001.fits
SecZ=1.42
Focus=-4.763
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.569 -6.089 -1.630
T123=-113.7 15.1 18.1
ALT/AZ=44.7 -19.0
fwAVG=7.09
sdW=67.1
fwW=6.49
sdS=38.8
fwS=7.57
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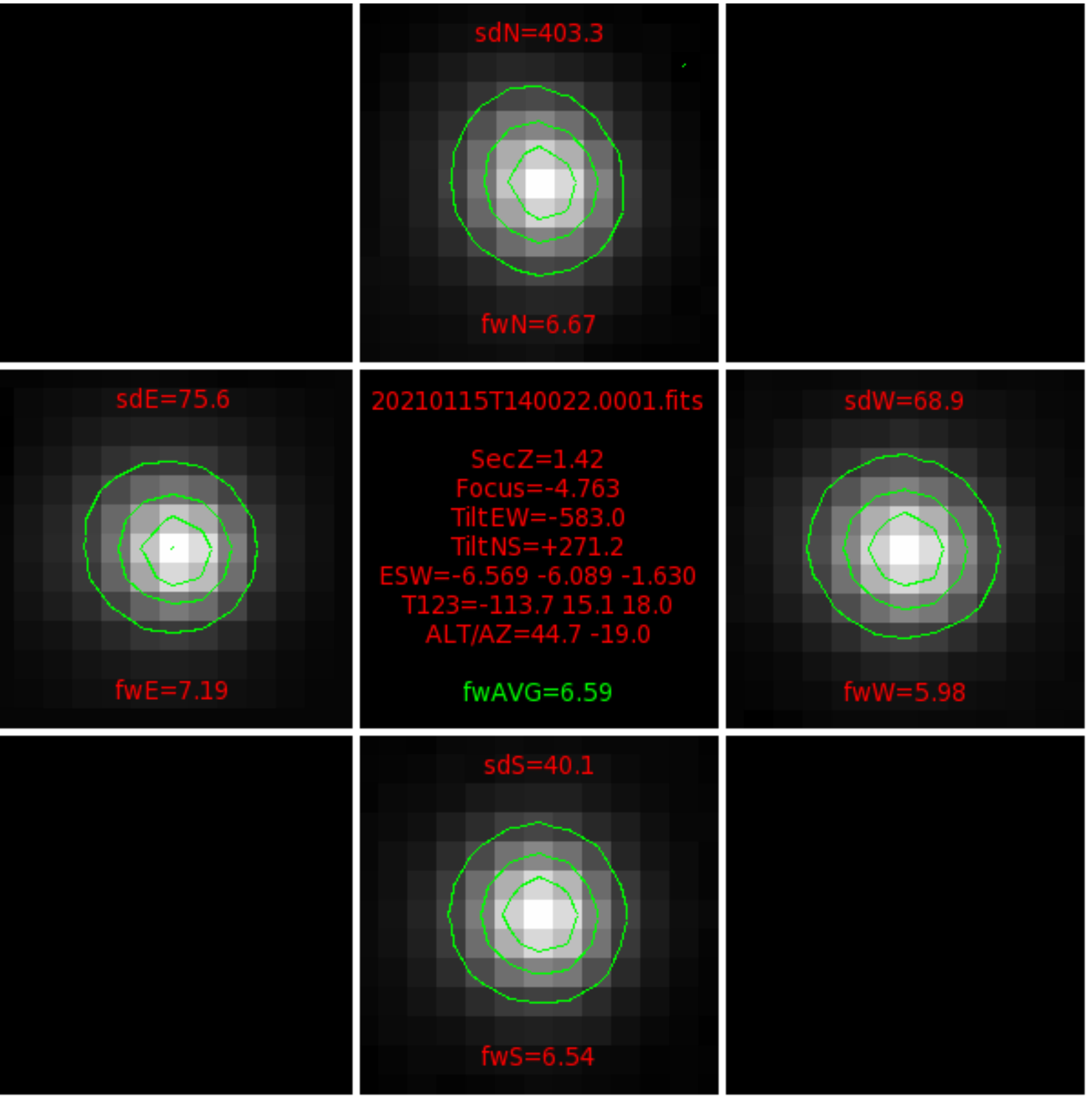
sdN=403.3
fwN=6.67
sdE=75.6
fwE=7.19
20210115T140022.0001.fits
SecZ=1.42
Focus=-4.763
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.569 -6.089 -1.630
T123=-113.7 15.1 18.0
ALT/AZ=44.7 -19.0
fwAVG=6.59
sdW=68.9
fwW=5.98
sdS=40.1
fwS=6.54
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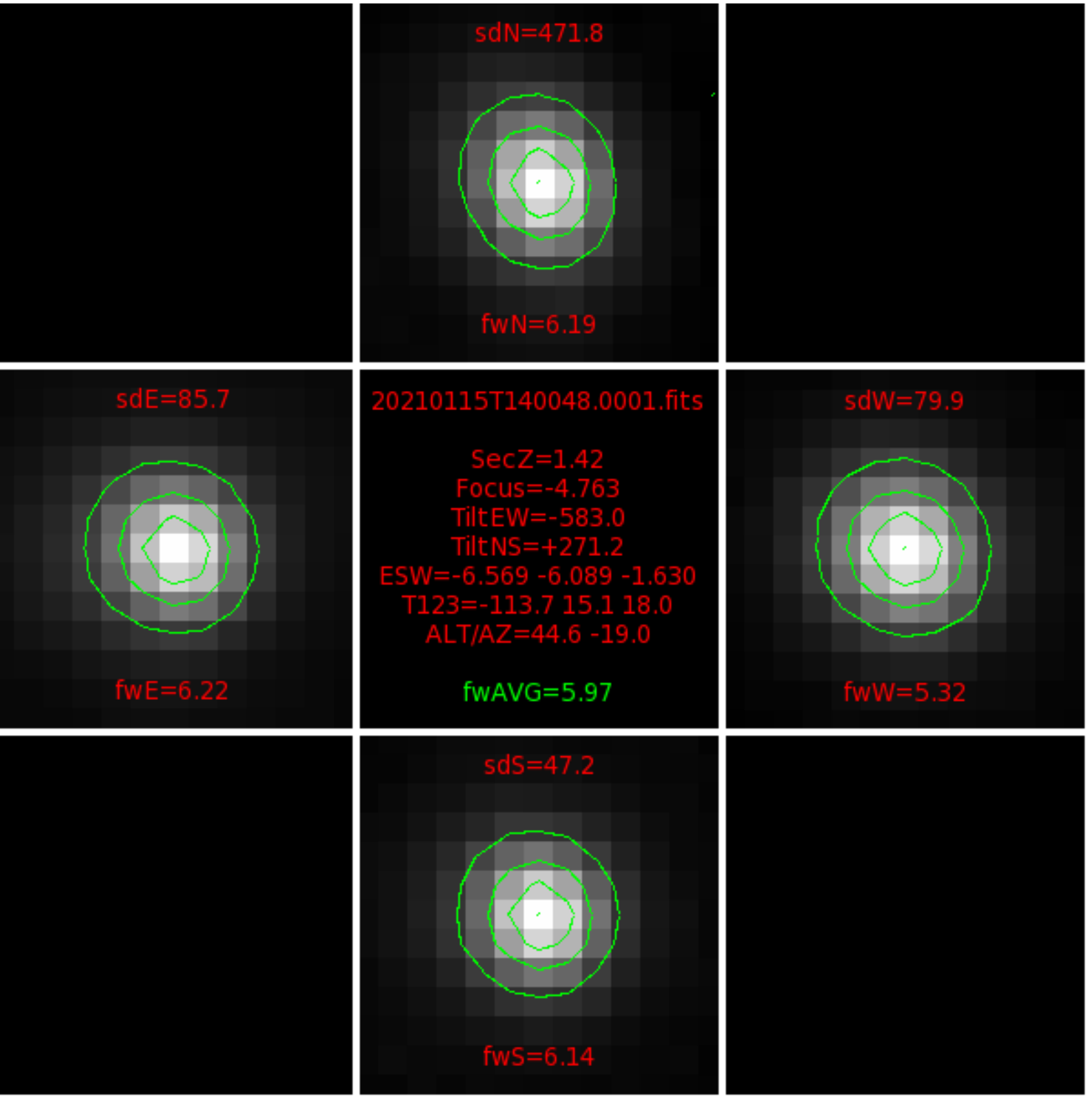
sdN=471.8
fwN=6.19
sdE=85.7
fwE=6.22
20210115T140048.0001.fits
SecZ=1.42
Focus=-4.763
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.569 -6.089 -1.630
T123=-113.7 15.1 18.0
ALT/AZ=44.6 -19.0
fwAVG=5.97
sdW=79.9
fwW=5.32
sdS=47.2
fwS=6.14
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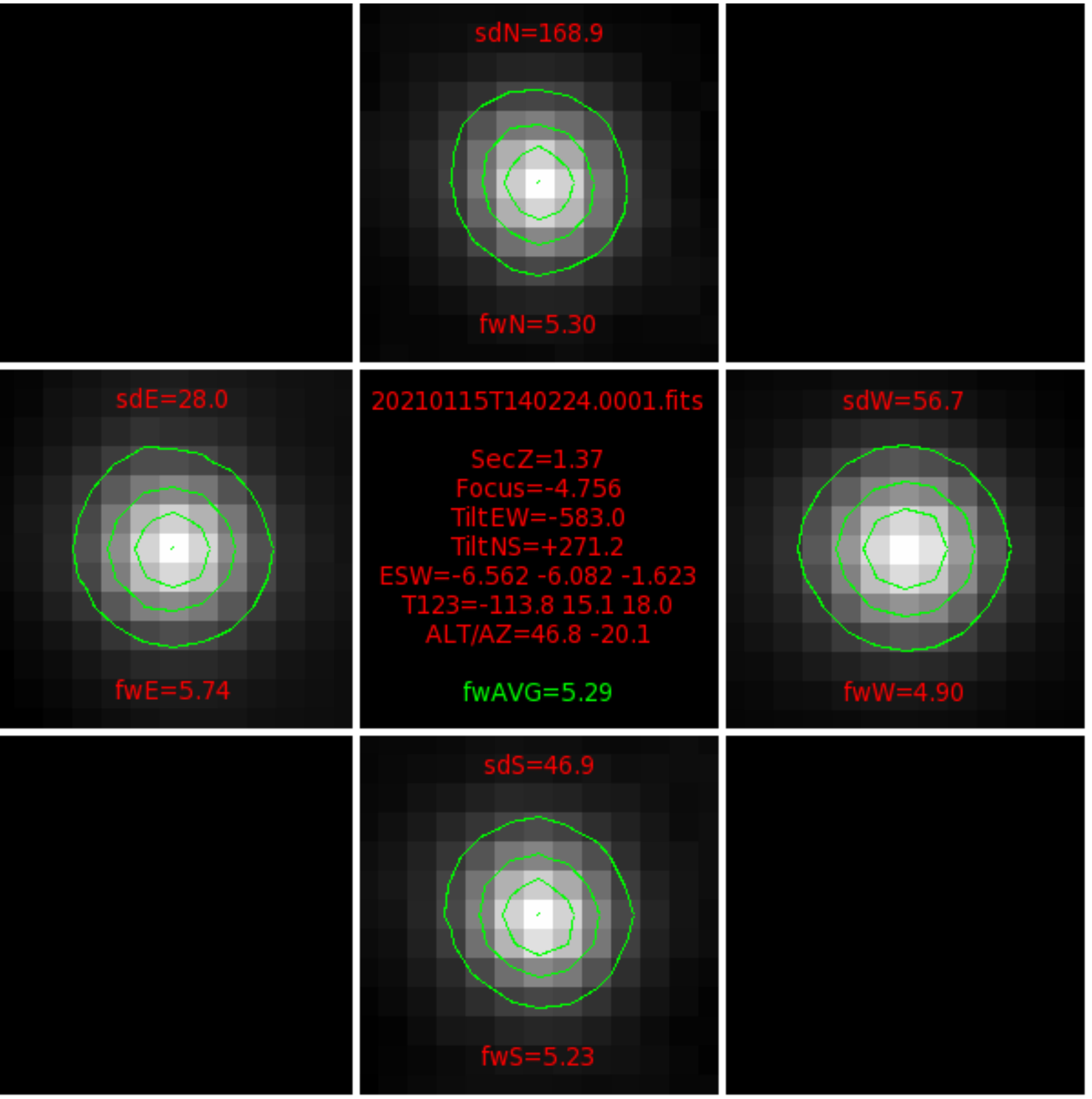
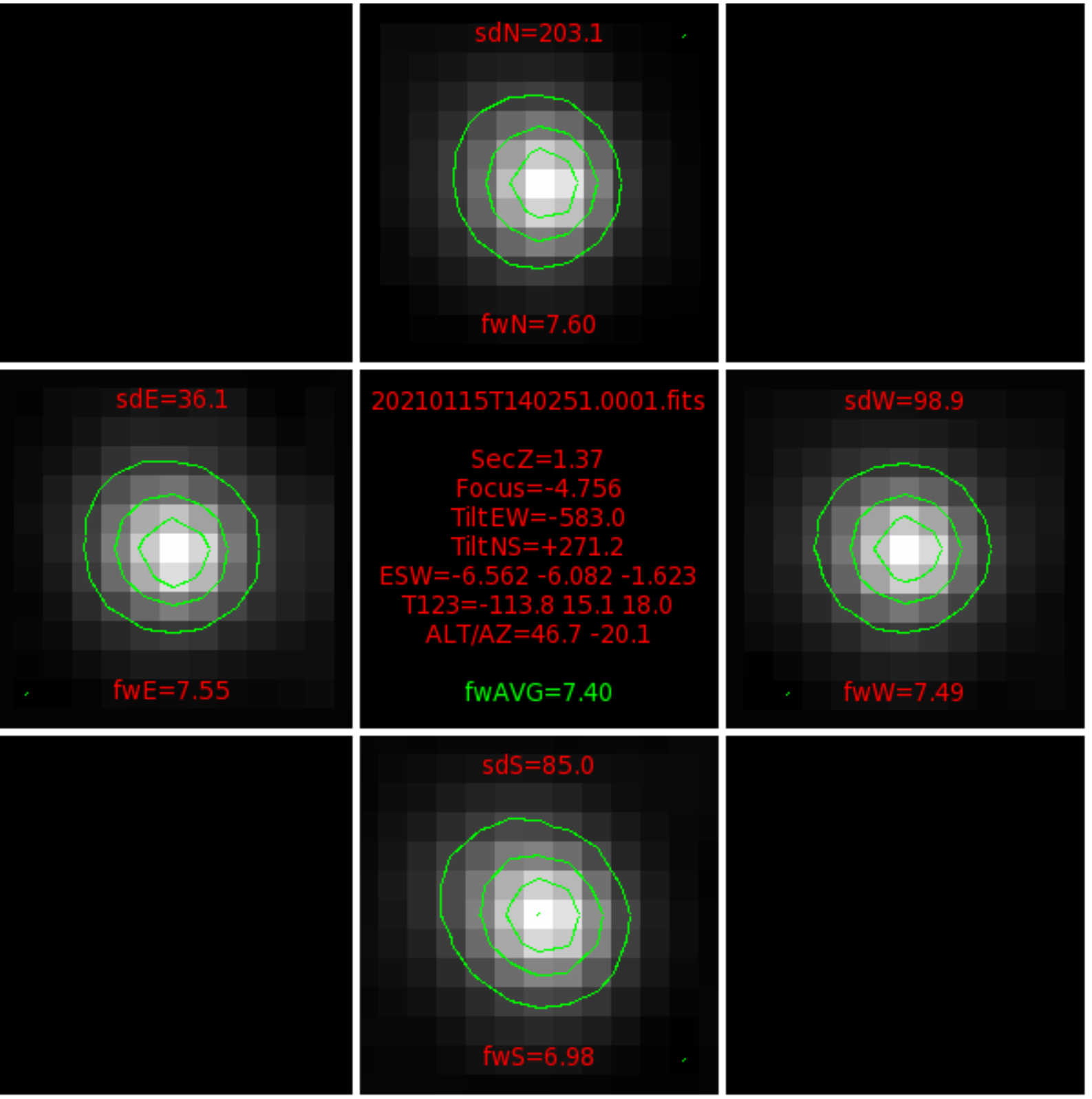
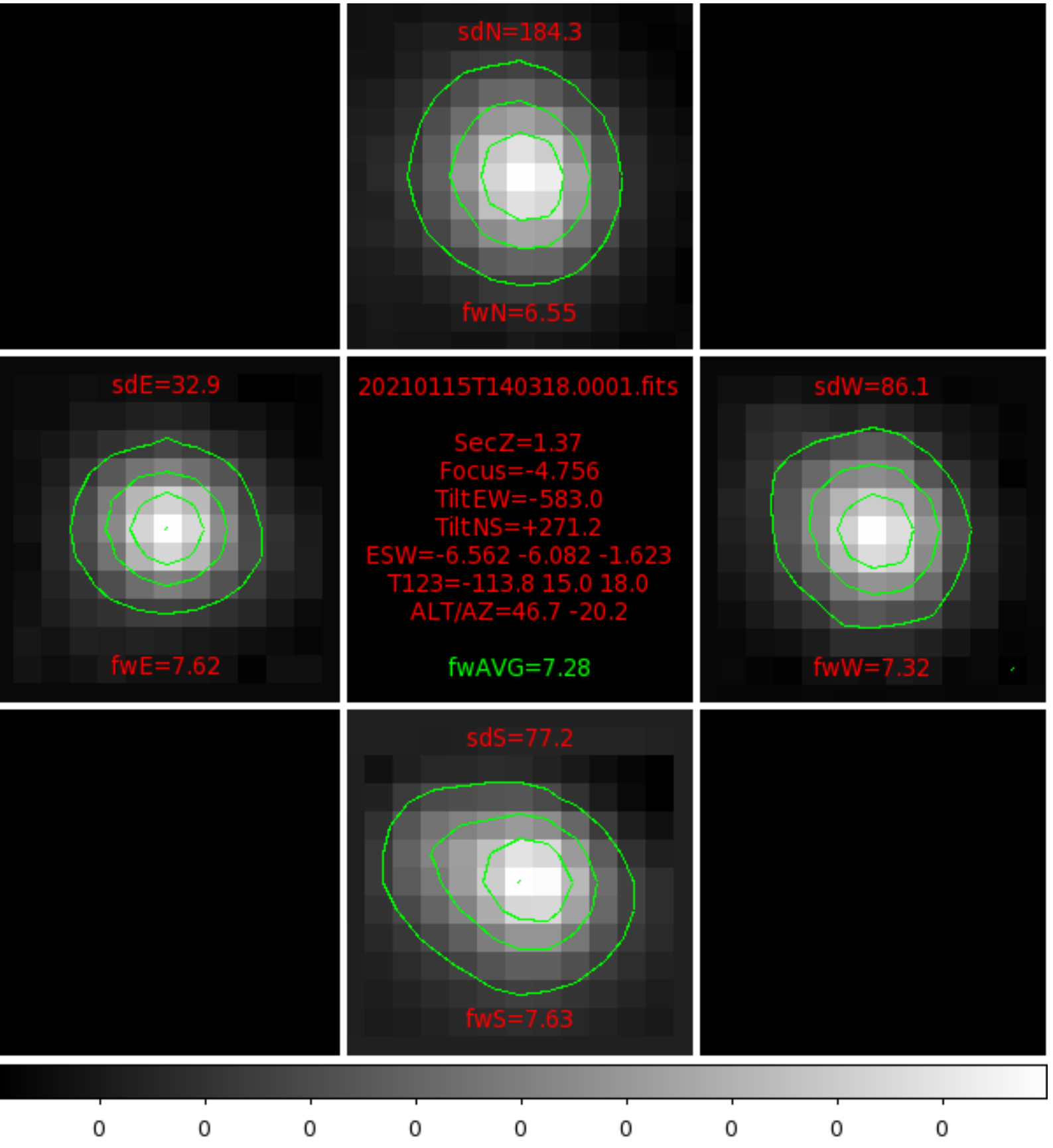

sdN=168.9
fwN=5.30
sdE=28.0
fwE=5.74
20210115T140224.0001.fits
SecZ=1.37
Focus=-4.756
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.562 -6.082 -1.623
T123=-113.8 15.1 18.0
ALT/AZ=46.8 -20.1
fwAVG=5.29
sdW=56.7
fwW=4.90
sdS=46.9
fwS=5.23
0 0 0 0 0 0 0 0 0


sdN=203.1
fwN=7.60
sdE=36.1
fwE=7.55
20210115T140251.0001.fits
SecZ=1.37
Focus=-4.756
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.562 -6.082 -1.623
T123=-113.8 15.1 18.0
ALT/AZ=46.7 -20.1
fwAVG=7.40
sdW=98.9
fwW=7.49
sdS=85.0
fwS=6.98
0 0 0 0 0 0 0 0 0


sdN=184.3
fwN=6.55
sdE=32.9
fwE=7.62
20210115T140318.0001.fits
SecZ=1.37
Focus=-4.756
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.562 -6.082 -1.623
T123=-113.8 15.0 18.0
ALT/AZ=46.7 -20.2
fwAVG=7.28
sdW=86.1
fwW=7.32
sdS=77.2
fwS=7.63
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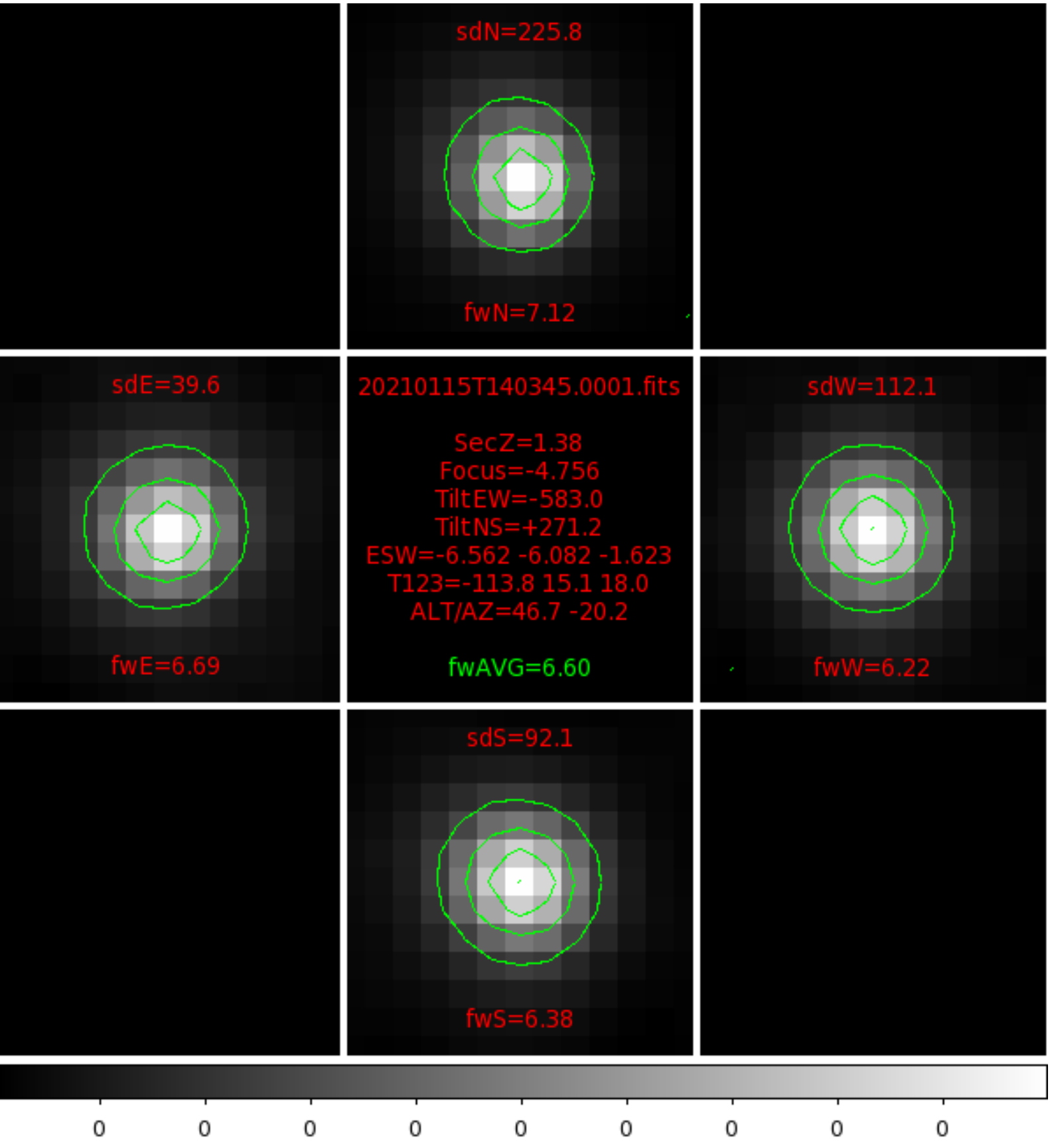
sdN=225.8
fwN=7.12
sdE=39.6
fwE=6.69
20210115T140345.0001.fits
SecZ=1.38
Focus=-4.756
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.562 -6.082 -1.623
T123=-113.8 15.1 18.0
ALT/AZ=46.7 -20.2
fwAVG=6.60
sdW=112.1
fwW=6.22
sdS=92.1
fwS=6.38
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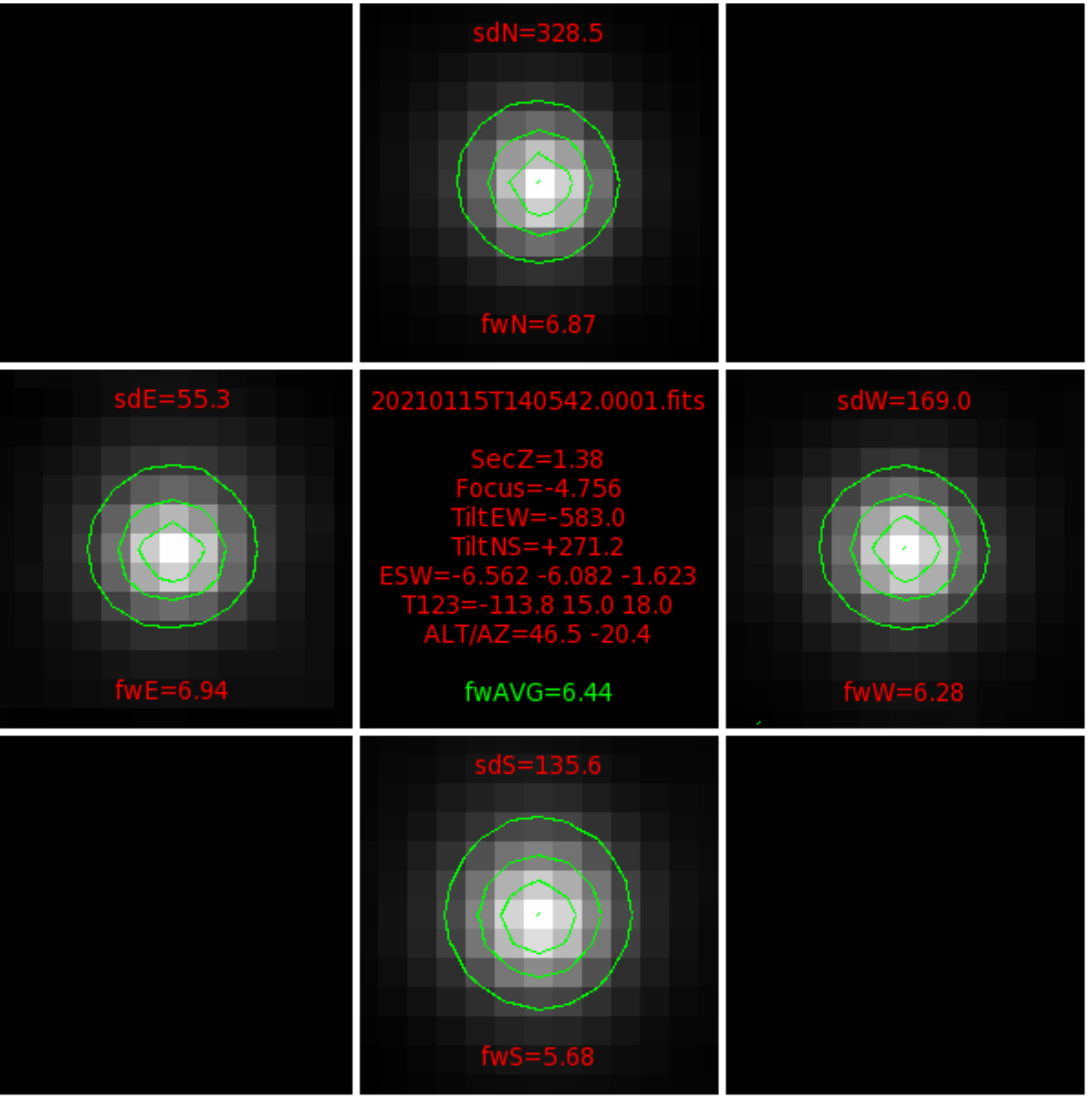
sdN=328.5
fwN=6.87
sdE=55.3
fwE=6.94
20210115T140542.0001.fits
SecZ=1.38
Focus=-4.756
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.562 -6.082 -1.623
T123=-113.8 15.0 18.0
ALT/AZ=46.5 -20.4
fwAVG=6.44
sdW=169.0
fwW=6.28
sdS=135.6
fwS=5.68
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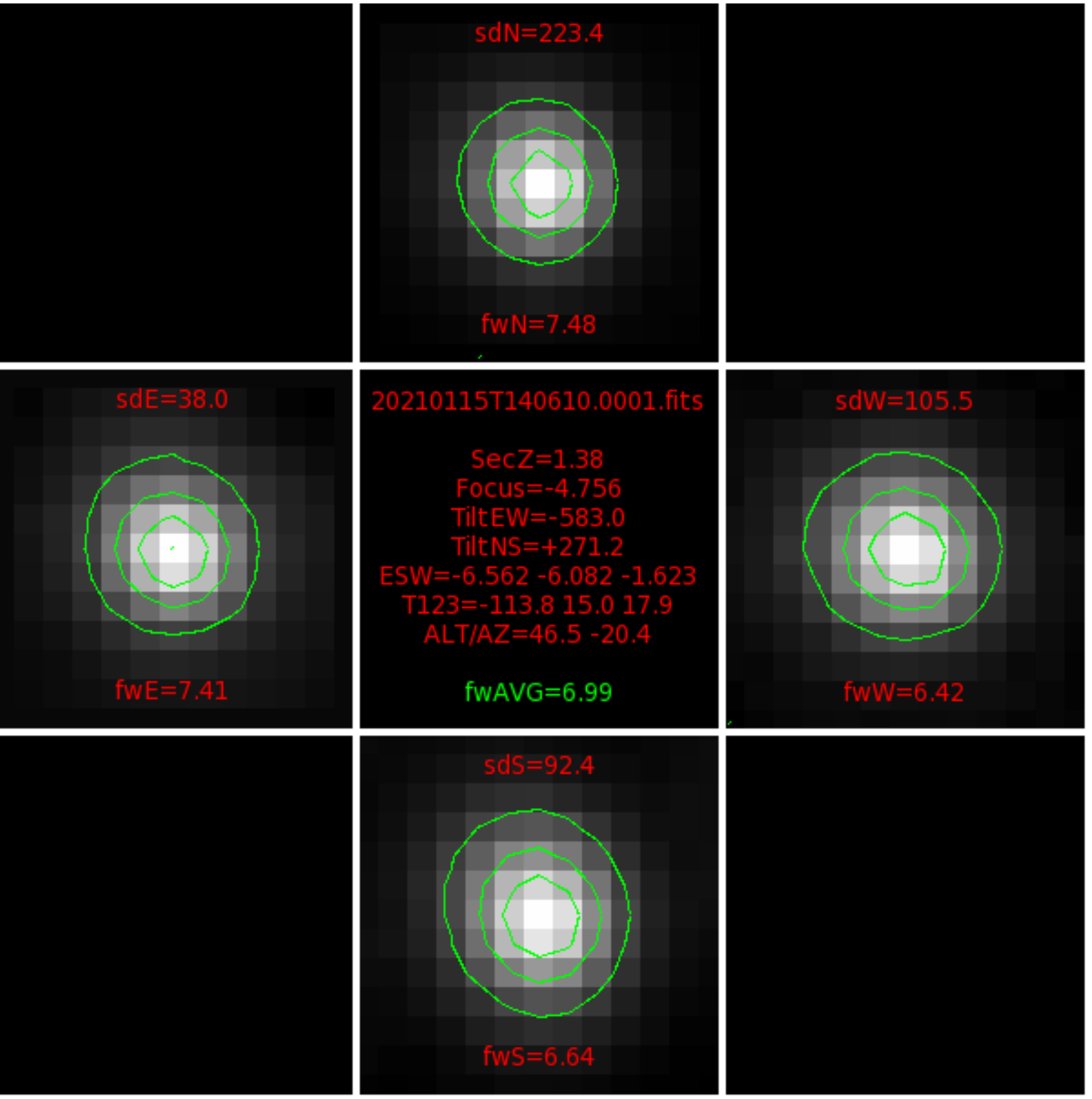
sdN=223.4
fwN=7.48
sdE=38.0
fwE=7.41
20210115T140610.0001.fits
SecZ=1.38
Focus=-4.756
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.562 -6.082 -1.623
T123=-113.8 15.0 17.9
ALT/AZ=46.5 -20.4
fwAVG=6.99
sdW=105.5
fwW=6.42
sdS=92.4
fwS=6.64
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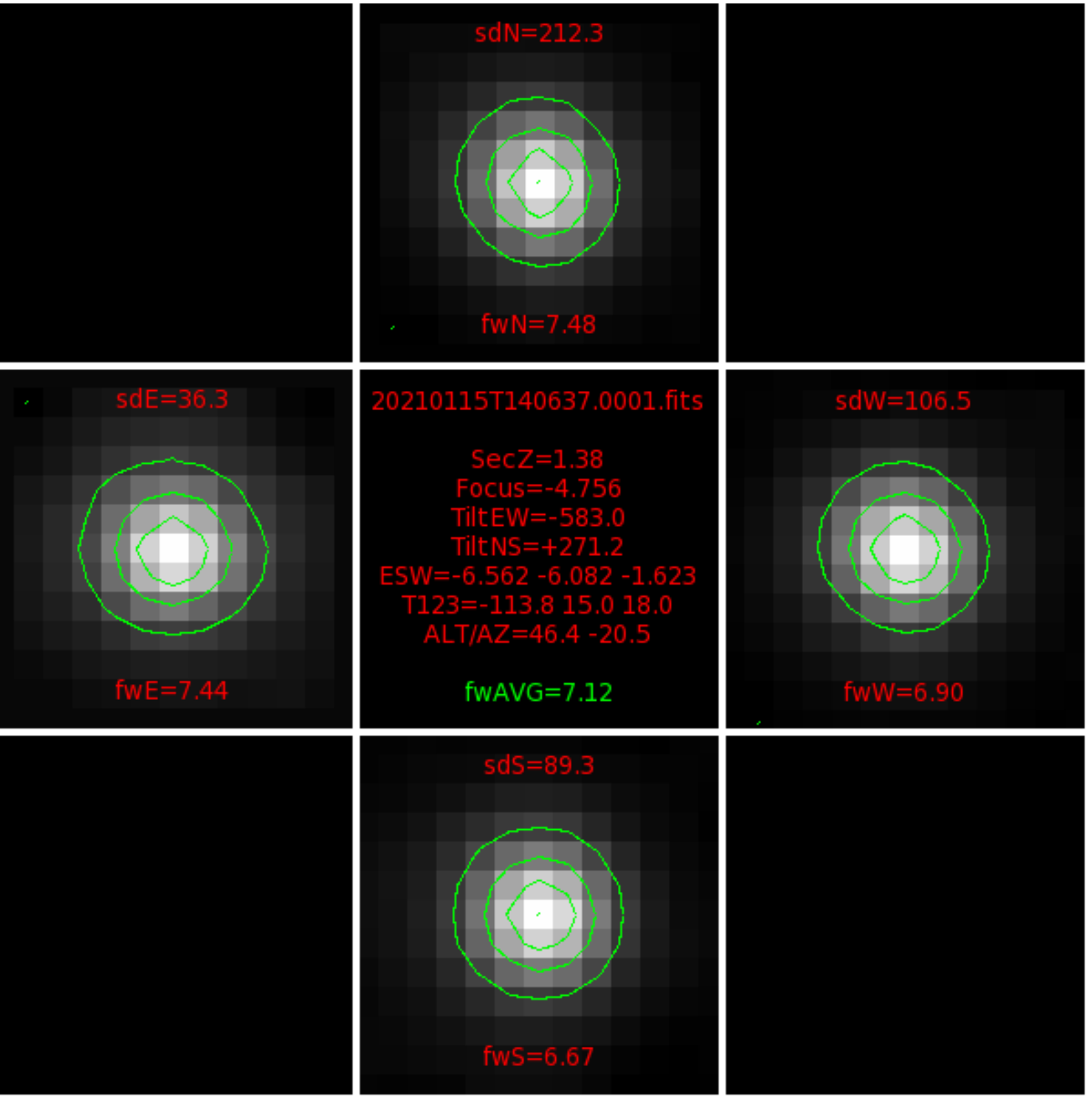
sdN=212.3
fwN=7.48
sdE=36.3
fwE=7.44
20210115T140637.0001.fits
SecZ=1.38
Focus=-4.756
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.562 -6.082 -1.623
T123=-113.8 15.0 18.0
ALT/AZ=46.4 -20.5
fwAVG=7.12
sdW=106.5
fwW=6.90
sdS=89.3
fwS=6.67
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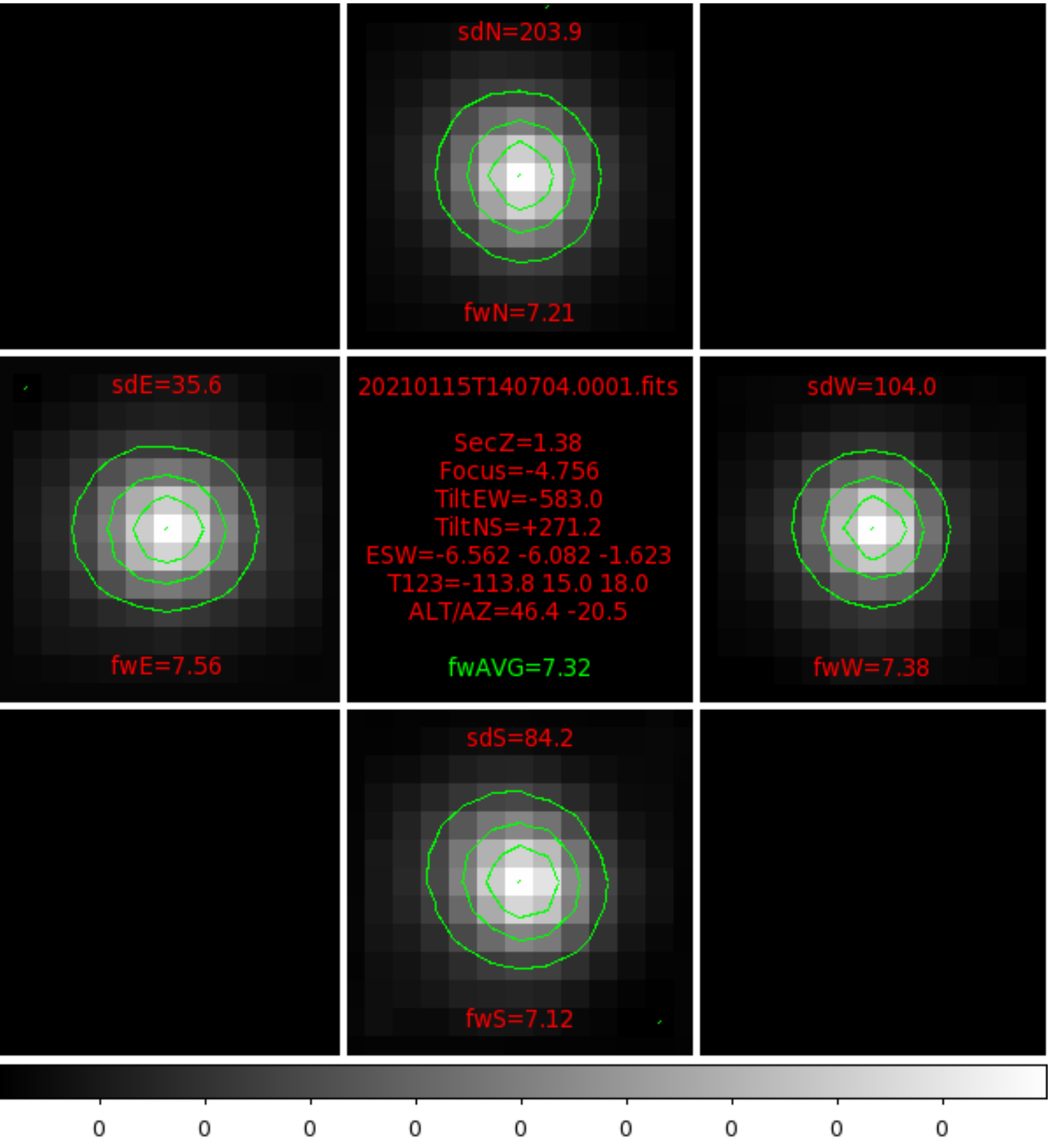
sdN=203.9
fwN=7.21
sdE=35.6
fwE=7.56
20210115T140704.0001.fits
SecZ=1.38
Focus=-4.756
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.562 -6.082 -1.623
T123=-113.8 15.0 18.0
ALT/AZ=46.4 -20.5
fwAVG=7.32
sdW=104.0
fwW=7.38
sdS=84.2
fwS=7.12
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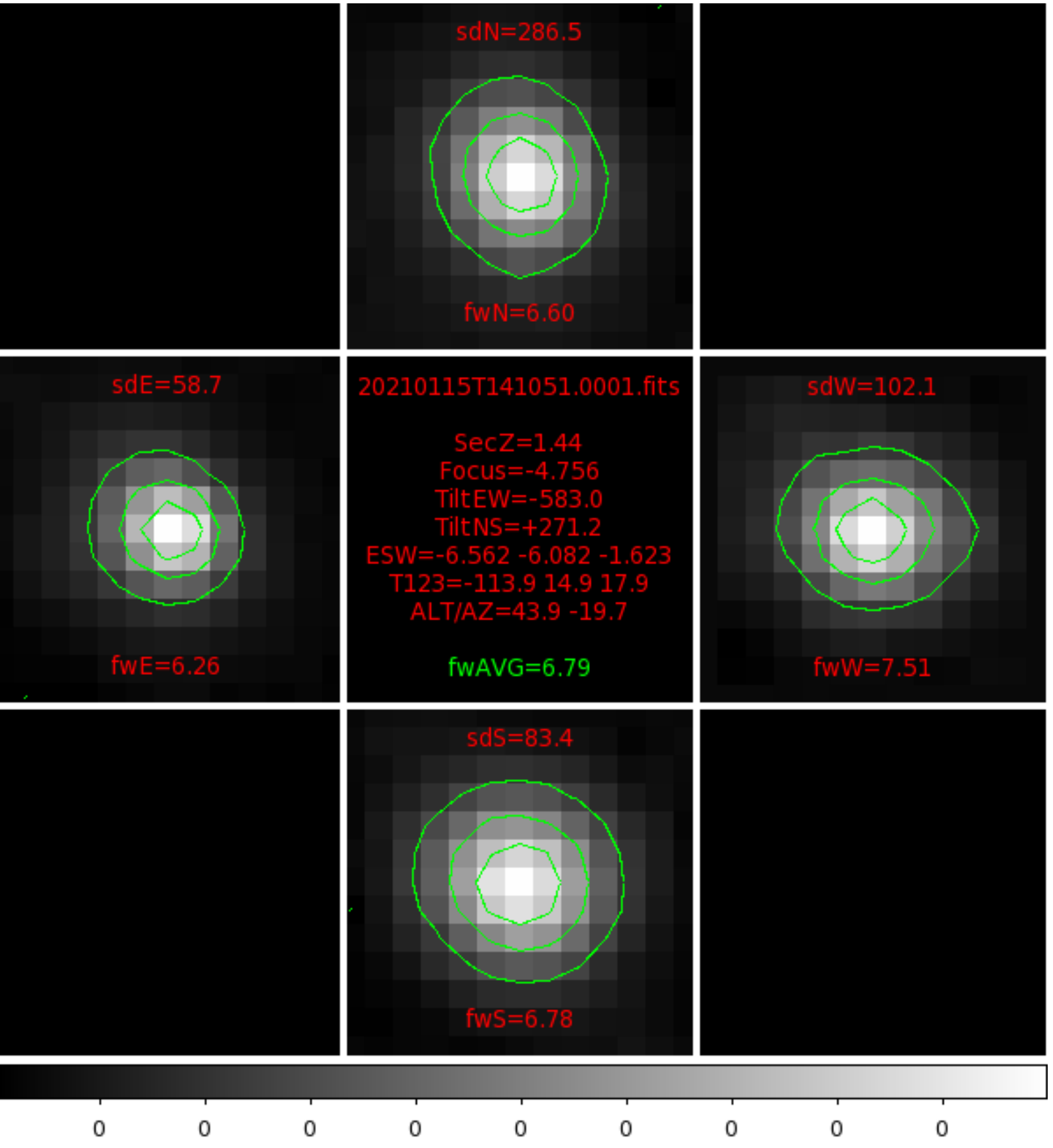
sdN=286.5
fwN=6.60
sdE=58.7
fwE=6.26
20210115T141051.0001.fits
SecZ=1.44
Focus=-4.756
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.562 -6.082 -1.623
T123=-113.9 14.9 17.9
ALT/AZ=43.9 -19.7
fwAVG=6.79
sdW=102.1
fwW=7.51
sdS=83.4
fwS=6.78
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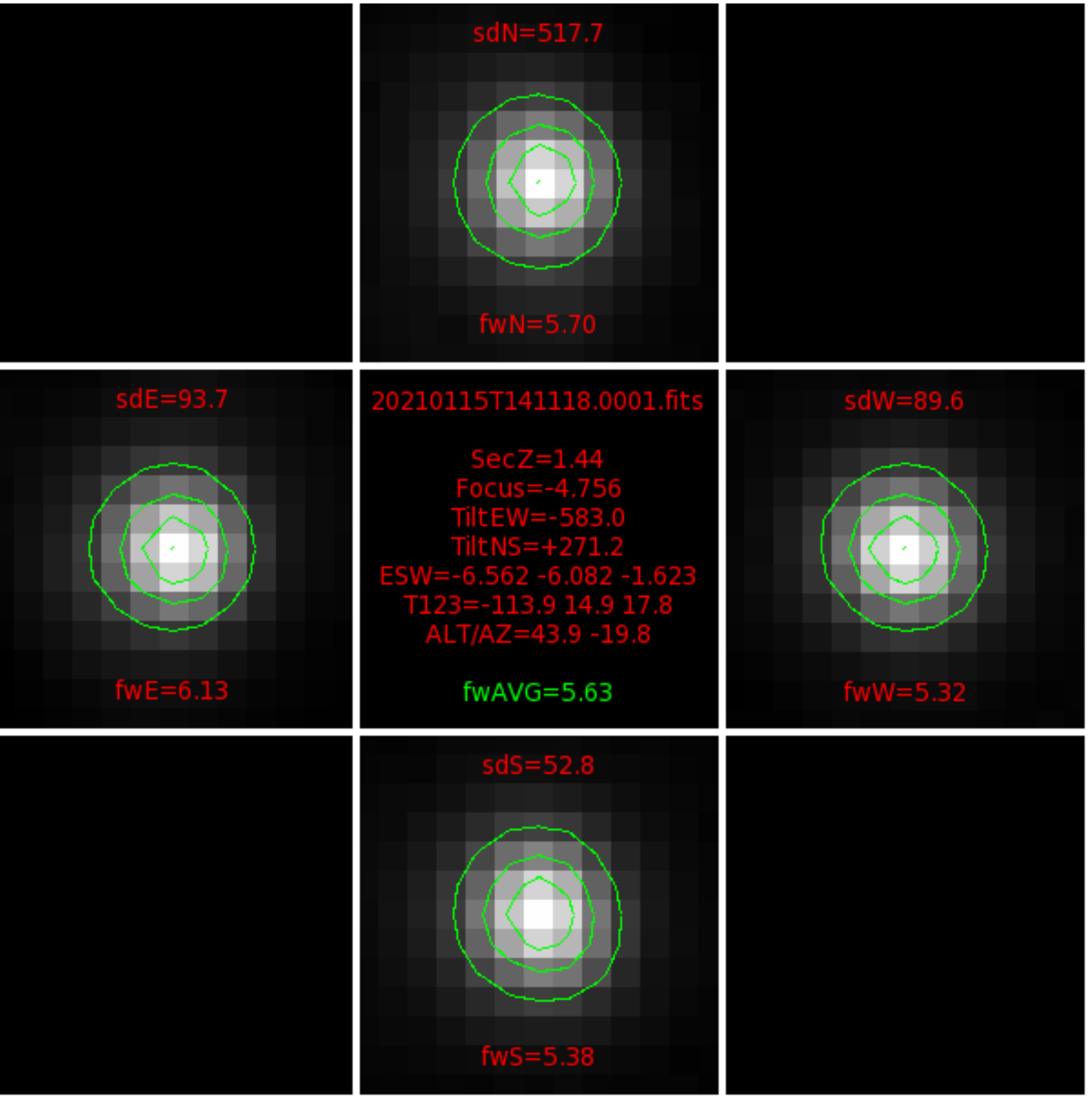
sdN=517.7
fwN=5.70
sdE=93.7
fwE=6.13
20210115T141118.0001.fits
SecZ=1.44
Focus=-4.756
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.562 -6.082 -1.623
T123=-113.9 14.9 17.8
ALT/AZ=43.9 -19.8
fwAVG=5.63
sdW=89.6
fwW=5.32
sdS=52.8
fwS=5.38
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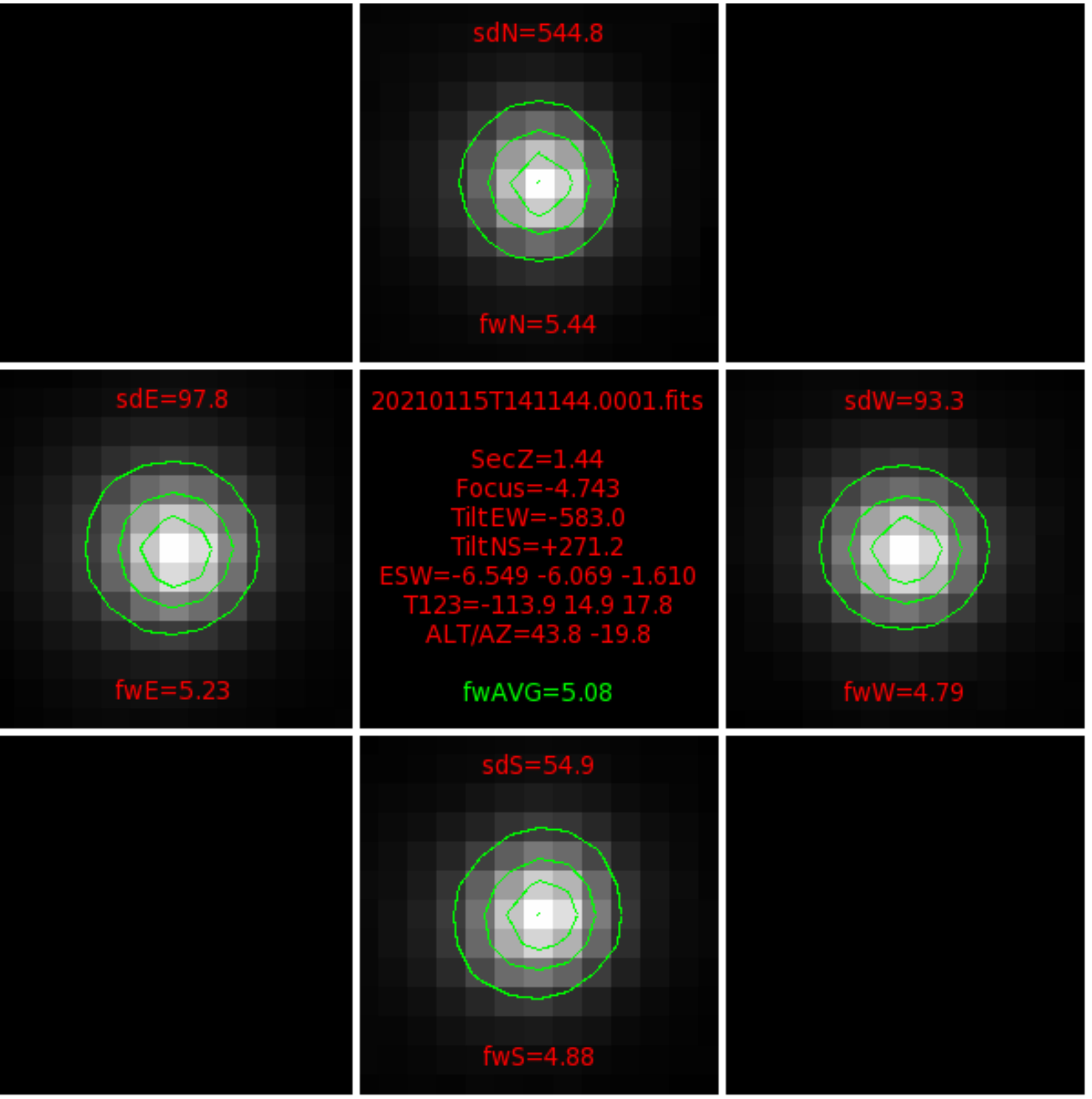
sdN=544.8
fwN=5.44
sdE=97.8
fwE=5.23
20210115T141144.0001.fits
SecZ=1.44
Focus=-4.743
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.549 -6.069 -1.610
T123=-113.9 14.9 17.8
ALT/AZ=43.8 -19.8
fwAVG=5.08
sdW=93.3
fwW=4.79
sdS=54.9
fwS=4.88
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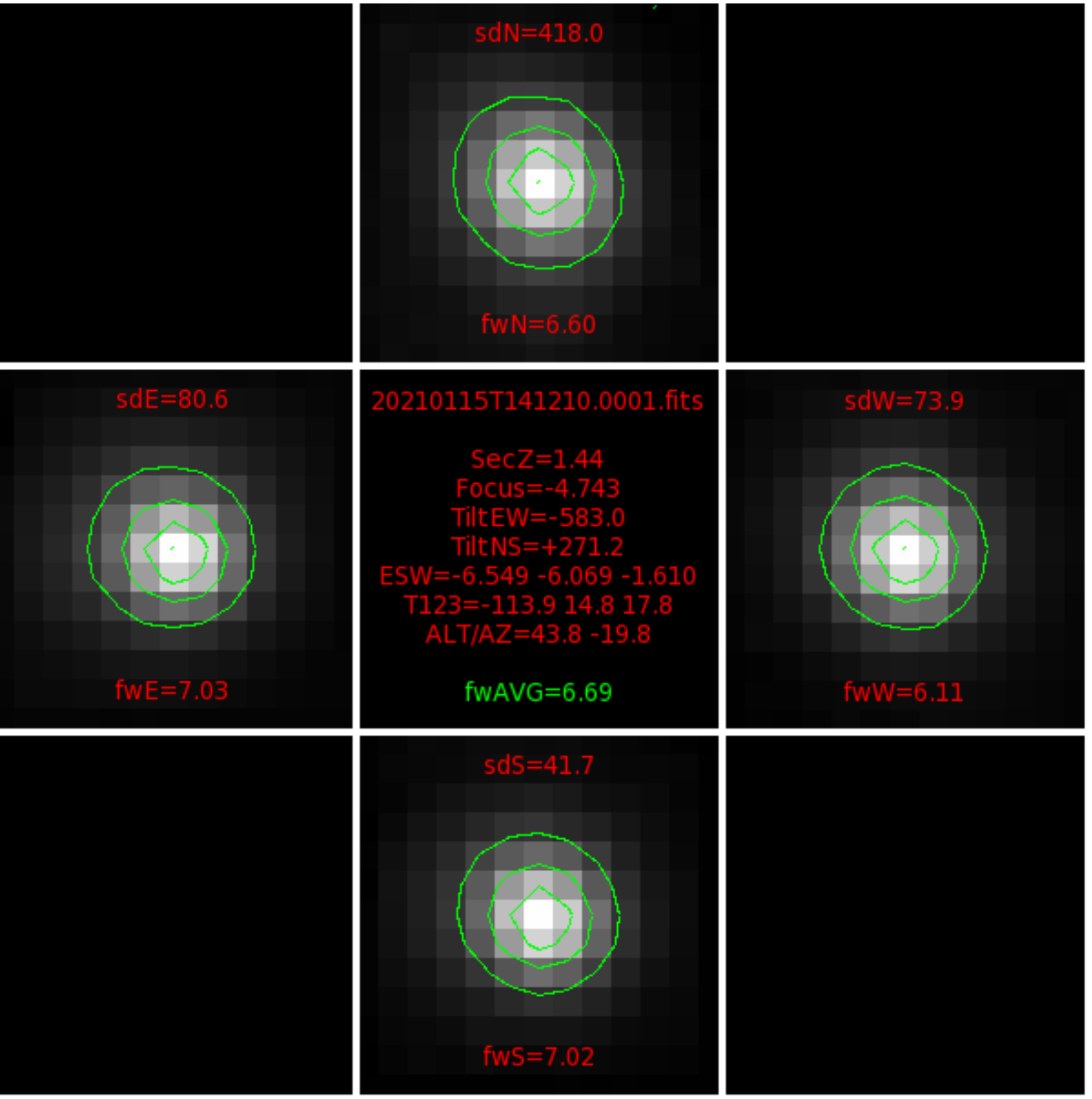
sdN=418.0
fwN=6.60
sdE=80.6
fwE=7.03
20210115T141210.0001.fits
SecZ=1.44
Focus=-4.743
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.549 -6.069 -1.610
T123=-113.9 14.8 17.8
ALT/AZ=43.8 -19.8
fwAVG=6.69
sdW=73.9
fwW=6.11
sdS=41.7
fwS=7.02
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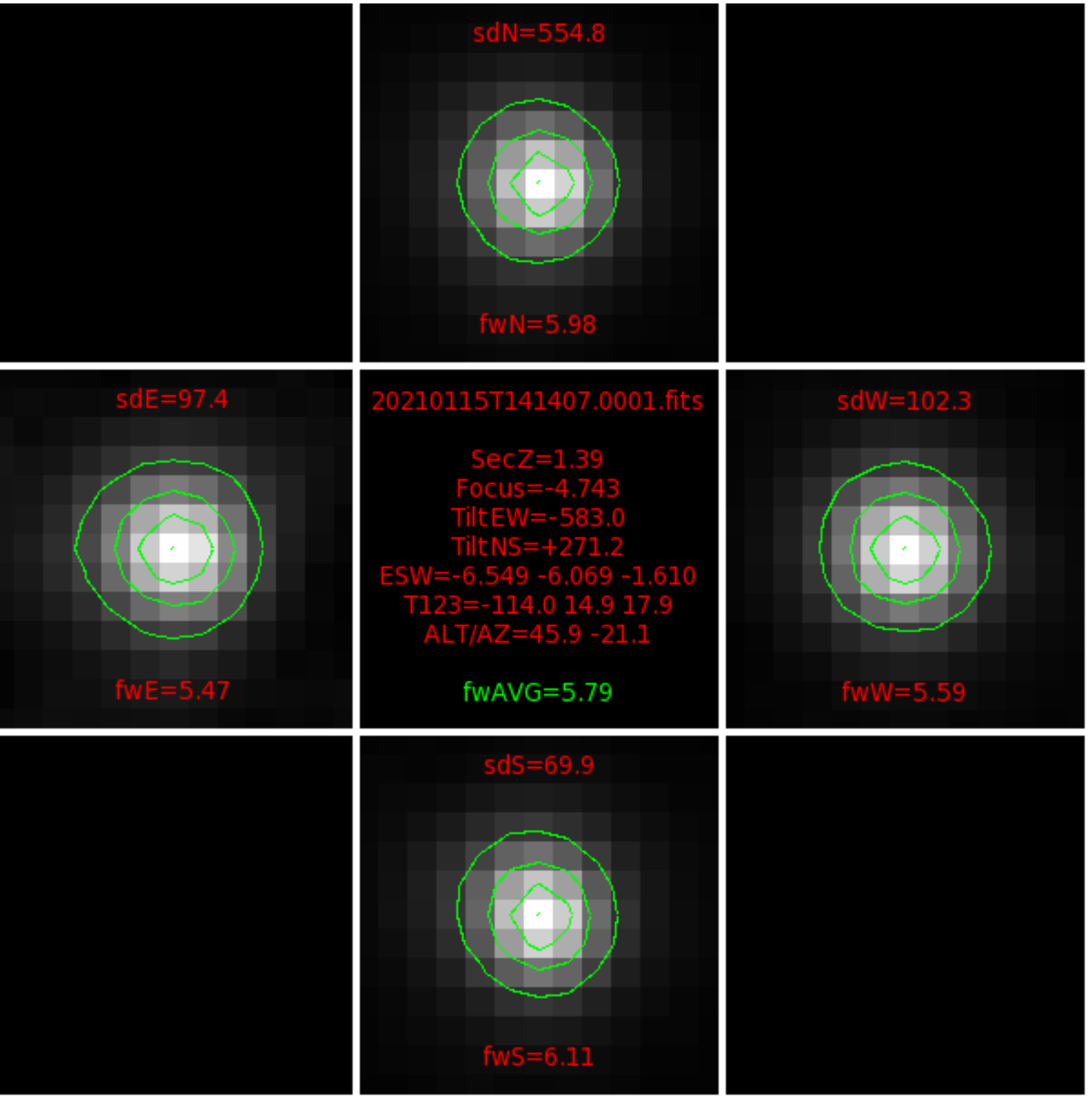
sdN=554.8
fwN=5.98
sdE=97.4
fwE=5.47
20210115T141407.0001.fits
SecZ=1.39
Focus=-4.743
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.549 -6.069 -1.610
T123=-114.0 14.9 17.9
ALT/AZ=45.9 -21.1
fwAVG=5.79
sdW=102.3
fwW=5.59
sdS=69.9
fwS=6.11
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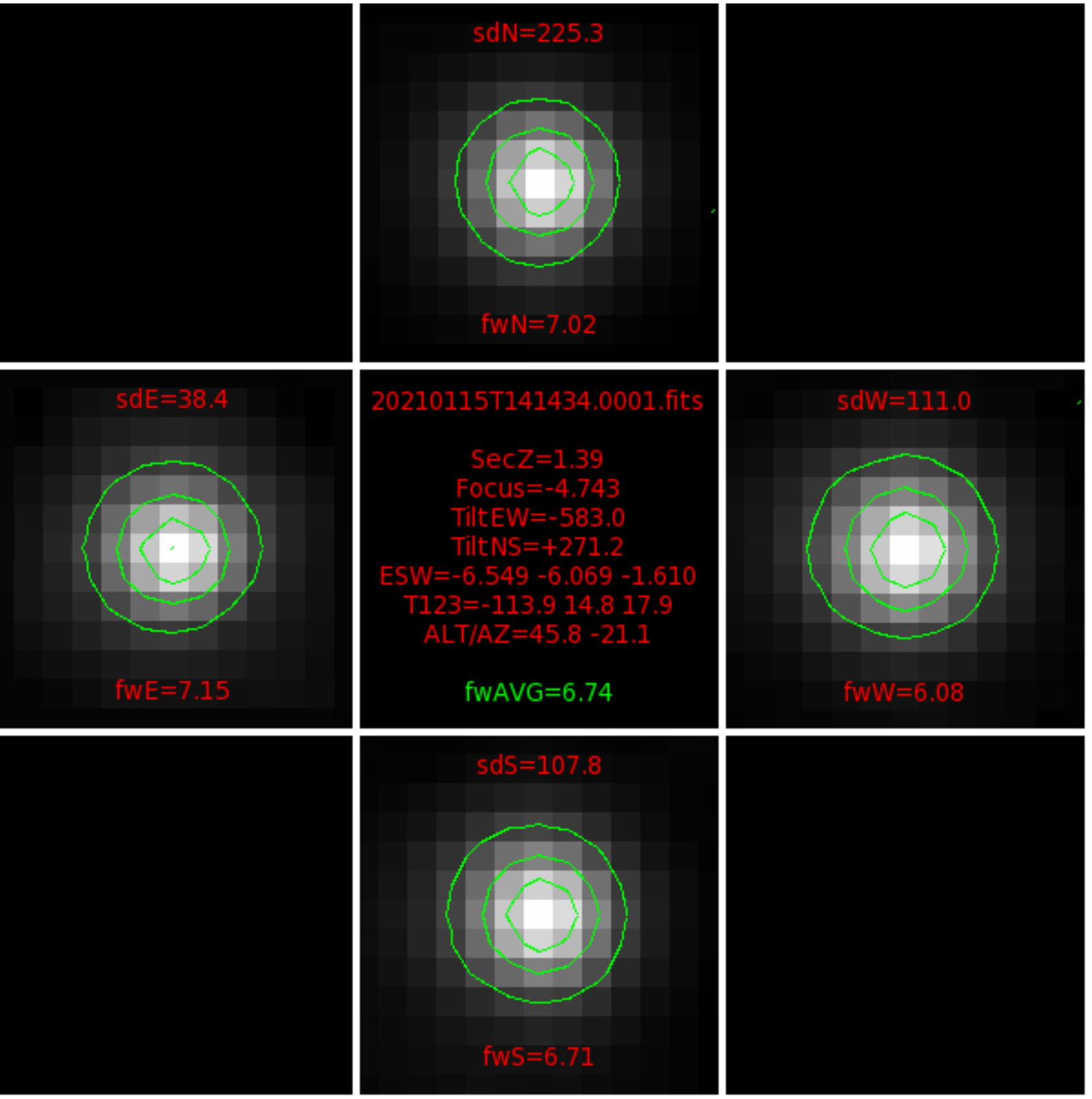
sdN=225.3
fwN=7.02
sdE=38.4
fwE=7.15
20210115T141434.0001.fits
SecZ=1.39
Focus=-4.743
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.549 -6.069 -1.610
T123=-113.9 14.8 17.9
ALT/AZ=45.8 -21.1
fwAVG=6.74
sdW=111.0
fwW=6.08
sdS=107.8
fwS=6.71
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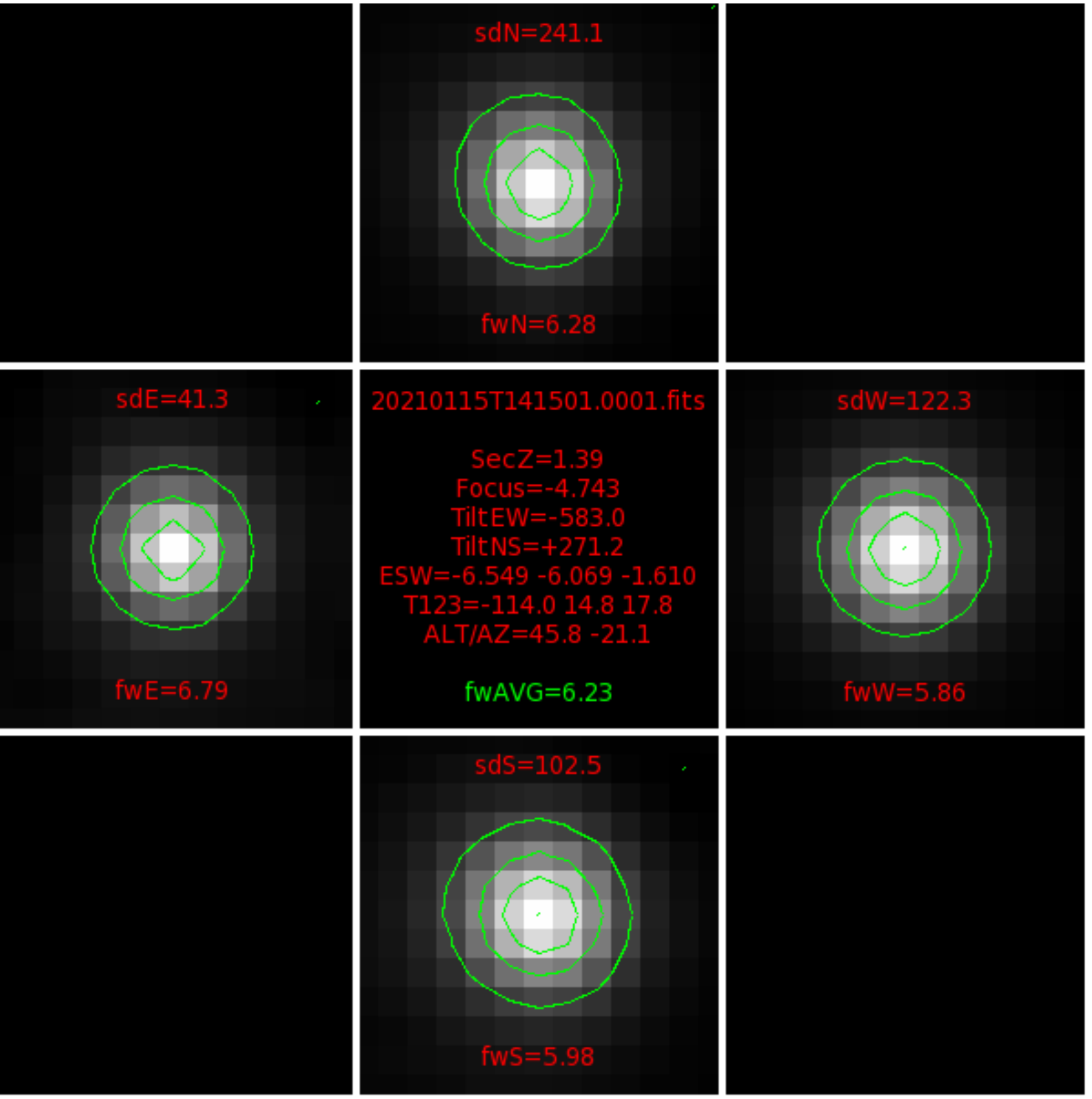
sdN=241.1
fwN=6.28
sdE=41.3
fwE=6.79
20210115T141501.0001.fits
SecZ=1.39
Focus=-4.743
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.549 -6.069 -1.610
T123=-114.0 14.8 17.8
ALT/AZ=45.8 -21.1
fwAVG=6.23
sdW=122.3
fwW=5.86
sdS=102.5
fwS=5.98
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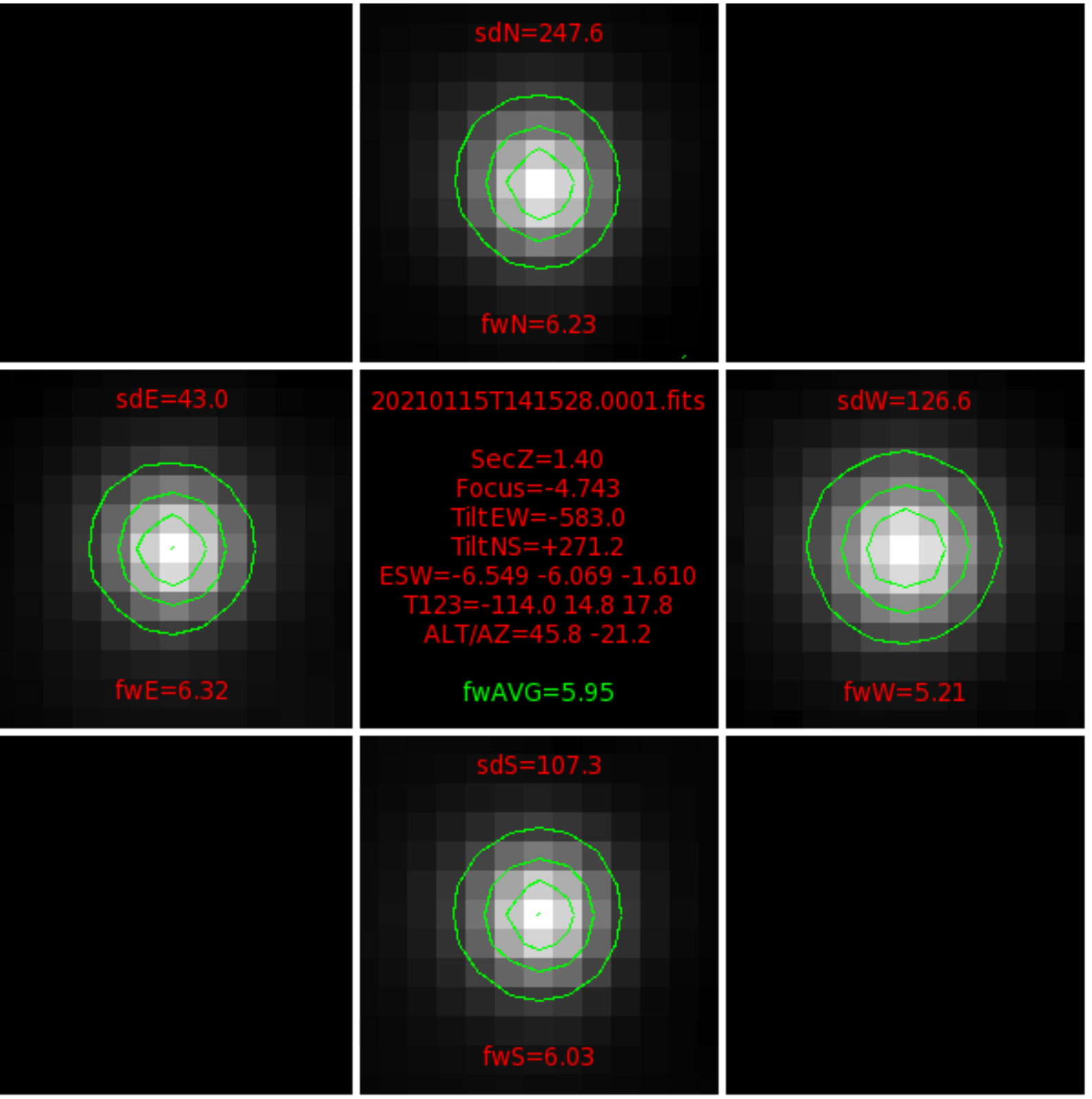
sdN=247.6
fwN=6.23
sdE=43.0
fwE=6.32
20210115T141528.0001.fits
SecZ=1.40
Focus=-4.743
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.549 -6.069 -1.610
T123=-114.0 14.8 17.8
ALT/AZ=45.8 -21.2
fwAVG=5.95
sdW=126.6
fwW=5.21
sdS=107.3
fwS=6.03
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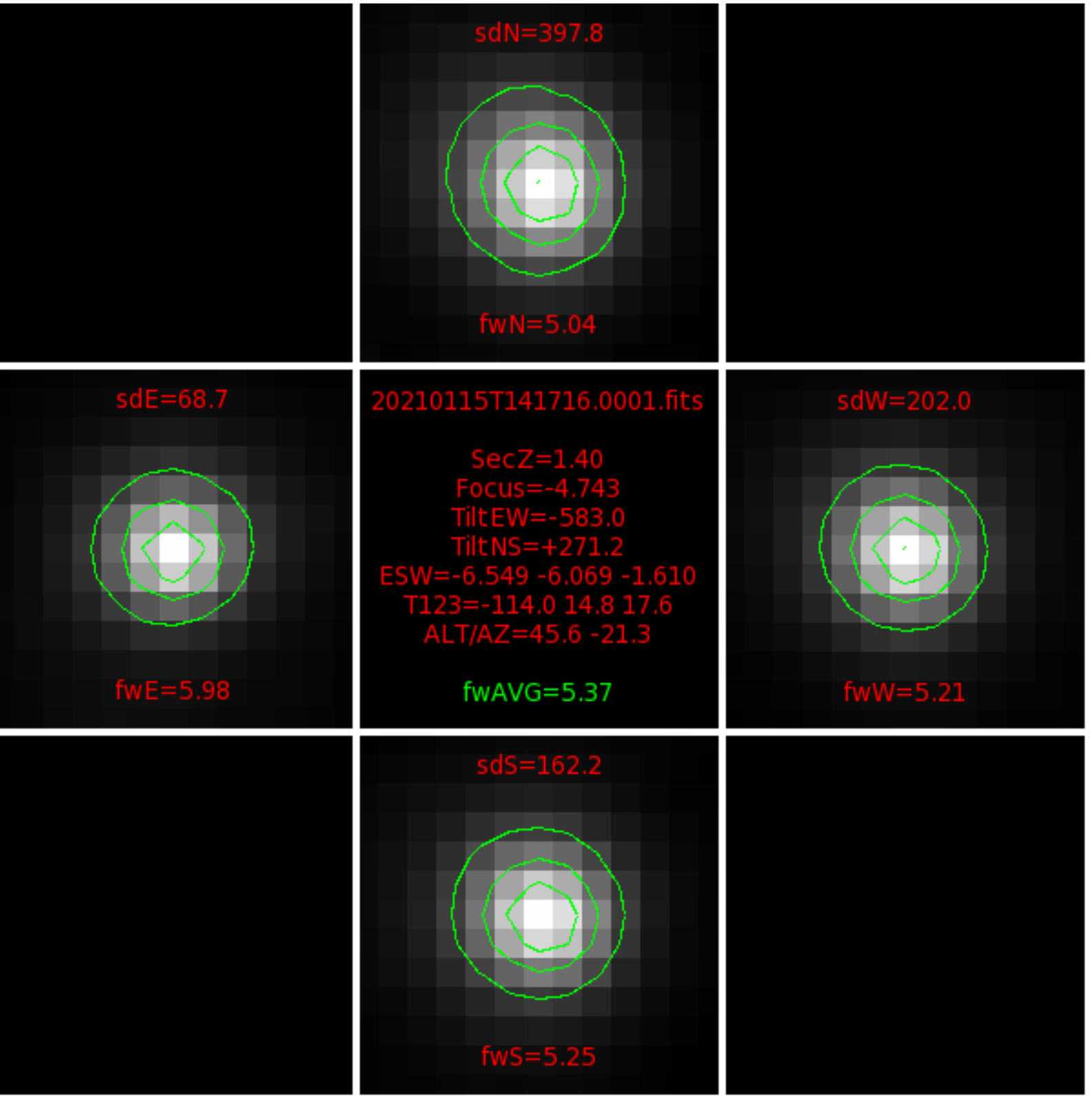
sdN=397.8
fwN=5.04
sdE=68.7
fwE=5.98
20210115T141716.0001.fits
SecZ=1.40
Focus=-4.743
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.549 -6.069 -1.610
T123=-114.0 14.8 17.6
ALT/AZ=45.6 -21.3
fwAVG=5.37
sdW=202.0
fwW=5.21
sdS=162.2
fwS=5.25
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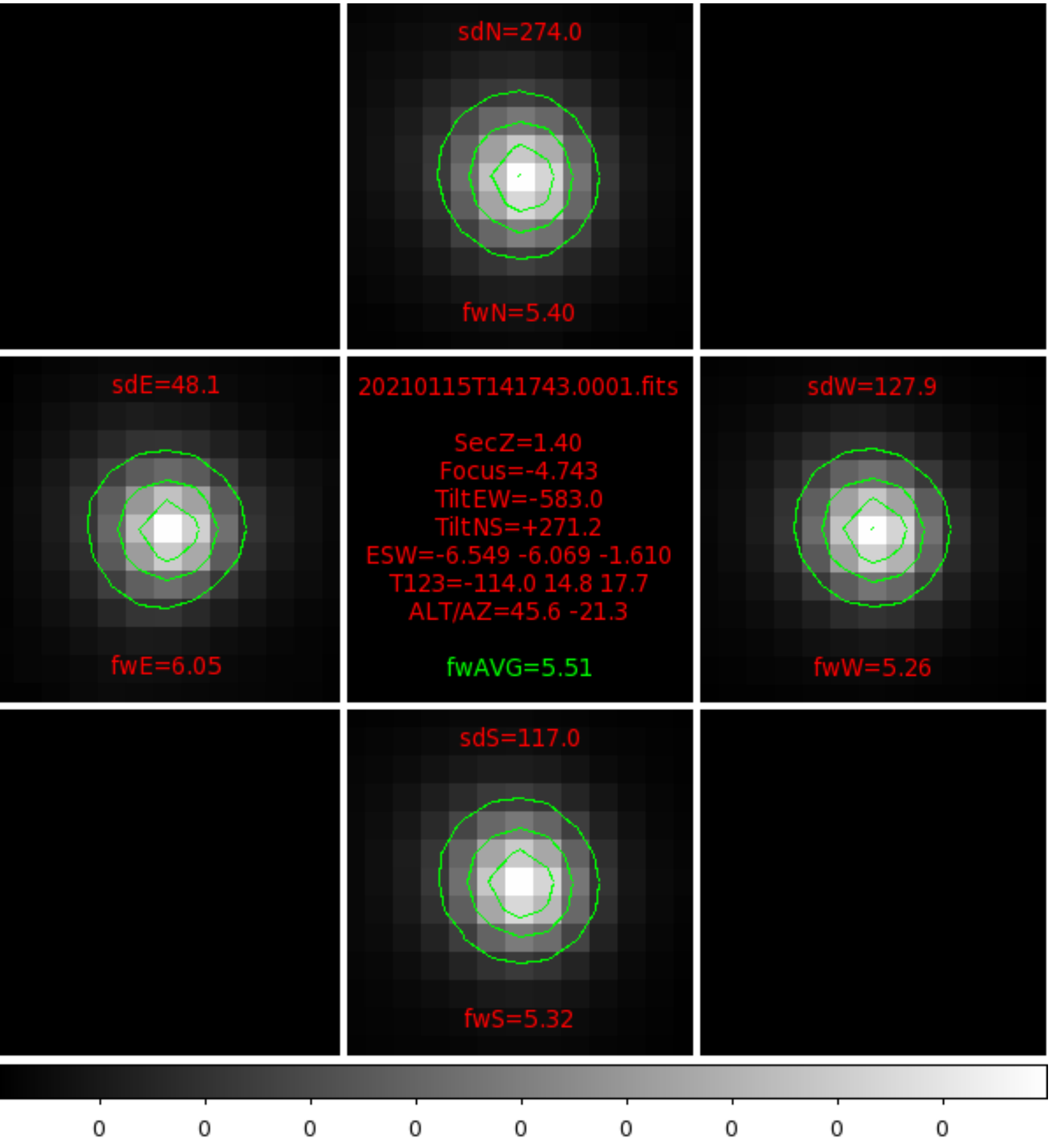
sdN=274.0
fwN=5.40
sdE=48.1
fwE=6.05
20210115T141743.0001.fits
SecZ=1.40
Focus=-4.743
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.549 -6.069 -1.610
T123=-114.0 14.8 17.7
ALT/AZ=45.6 -21.3
fwAVG=5.51
sdW=127.9
fwW=5.26
sdS=117.0
fwS=5.32
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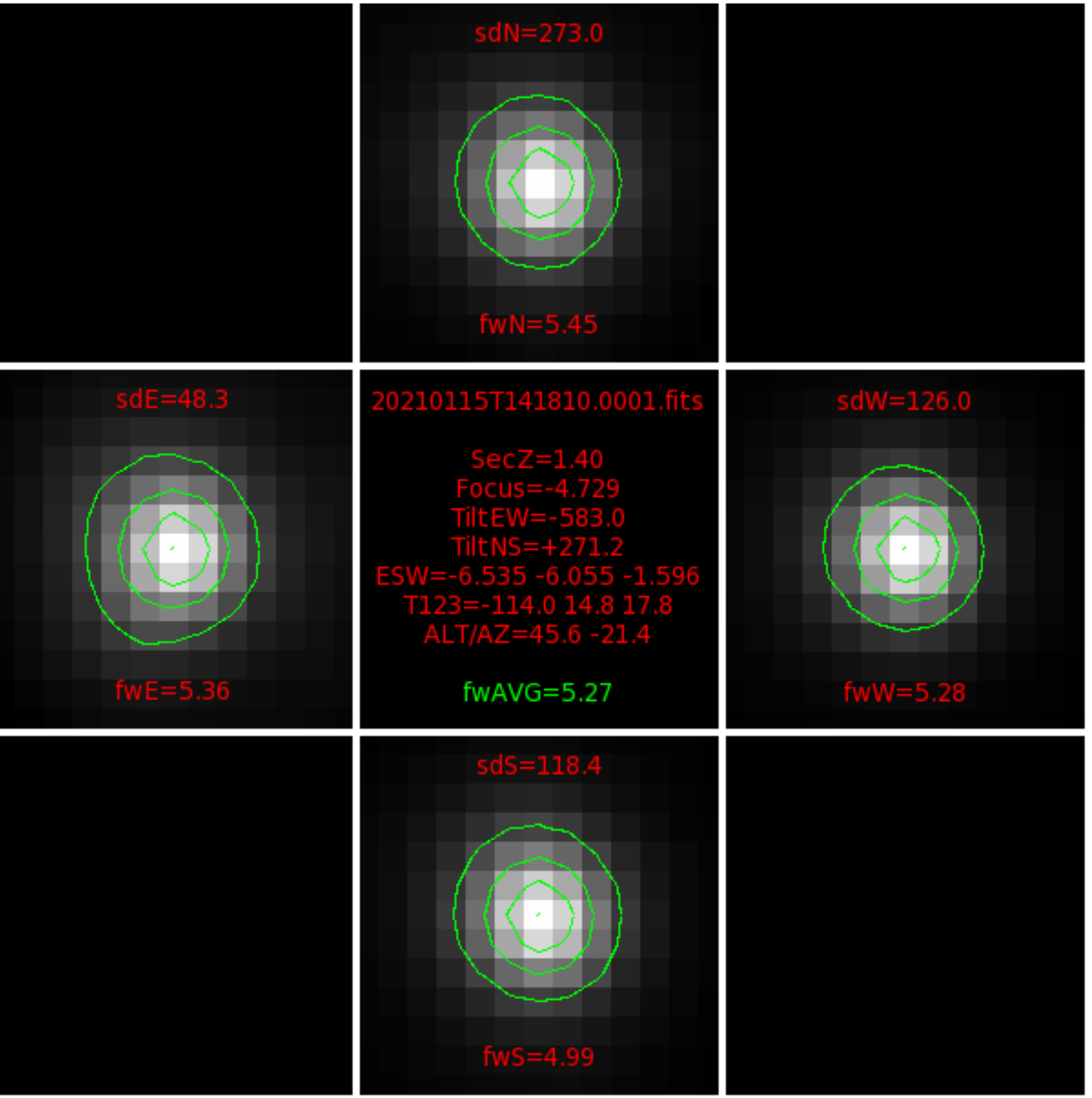
sdN=273.0
fwN=5.45
sdE=48.3
fwE=5.36
20210115T141810.0001.fits
SecZ=1.40
Focus=-4.729
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.535 -6.055 -1.596
T123=-114.0 14.8 17.8
ALT/AZ=45.6 -21.4
fwAVG=5.27
sdW=126.0
fwW=5.28
sdS=118.4
fwS=4.99
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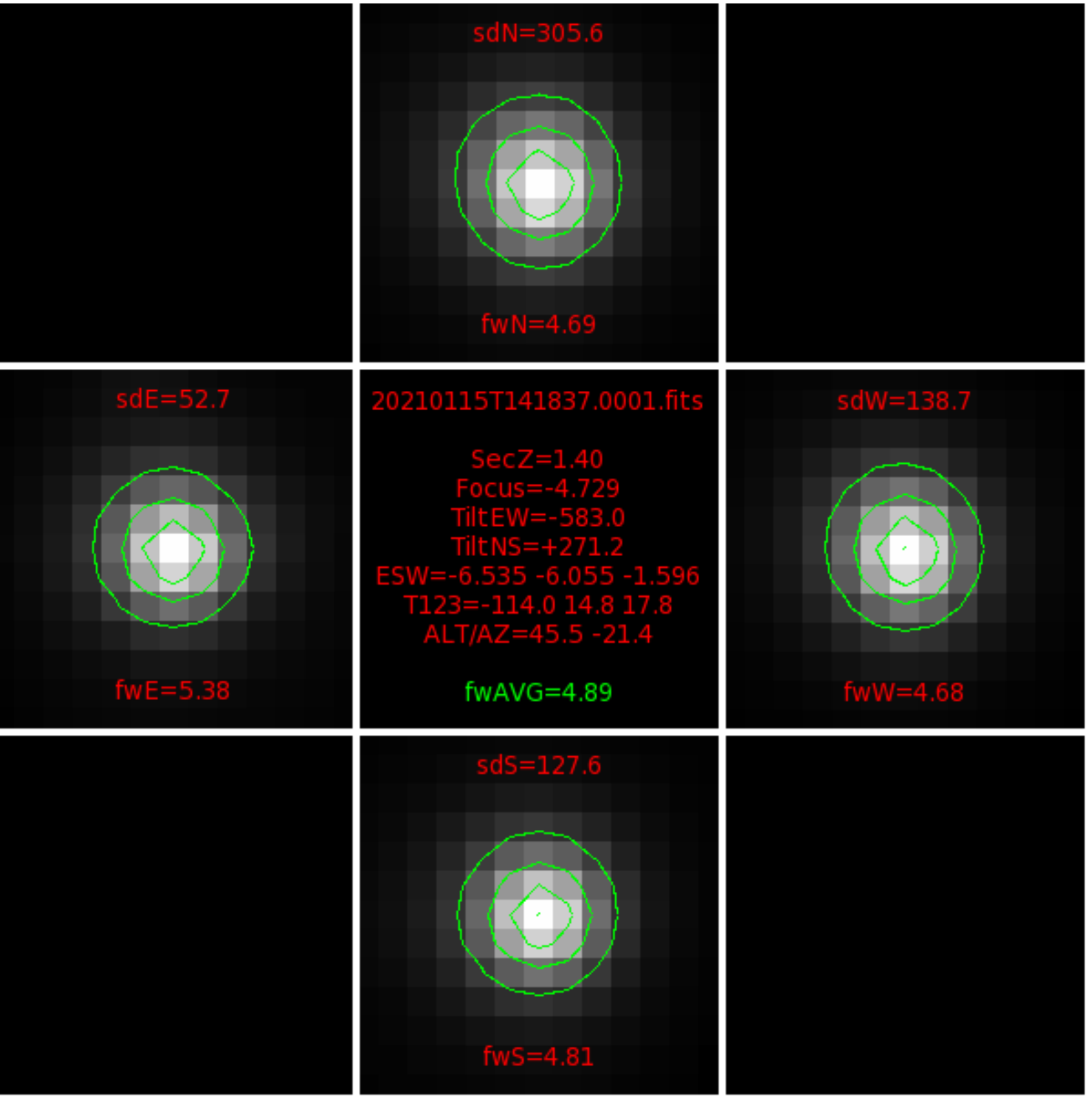
sdN=305.6
fwN=4.69
sdE=52.7
fwE=5.38
20210115T141837.0001.fits
SecZ=1.40
Focus=-4.729
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.535 -6.055 -1.596
T123=-114.0 14.8 17.8
ALT/AZ=45.5 -21.4
fwAVG=4.89
sdW=138.7
fwW=4.68
sdS=127.6
fwS=4.81
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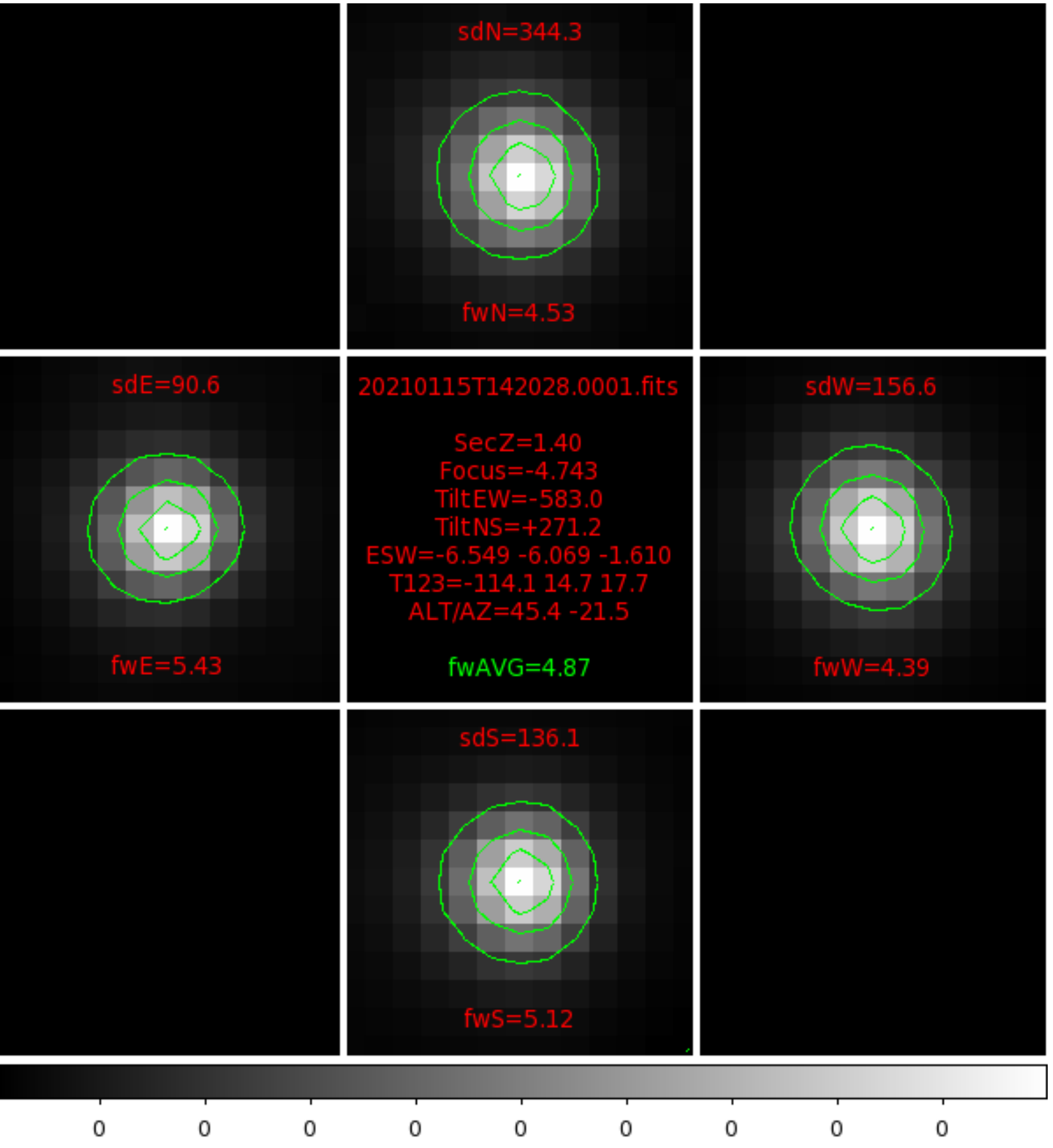
sdN=344.3
fwN=4.53
sdE=90.6
fwE=5.43
20210115T142028.0001.fits
SecZ=1.40
Focus=-4.743
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.549 -6.069 -1.610
T123=-114.1 14.7 17.7
ALT/AZ=45.4 -21.5
fwAVG=4.87
sdW=156.6
fwW=4.39
sdS=136.1
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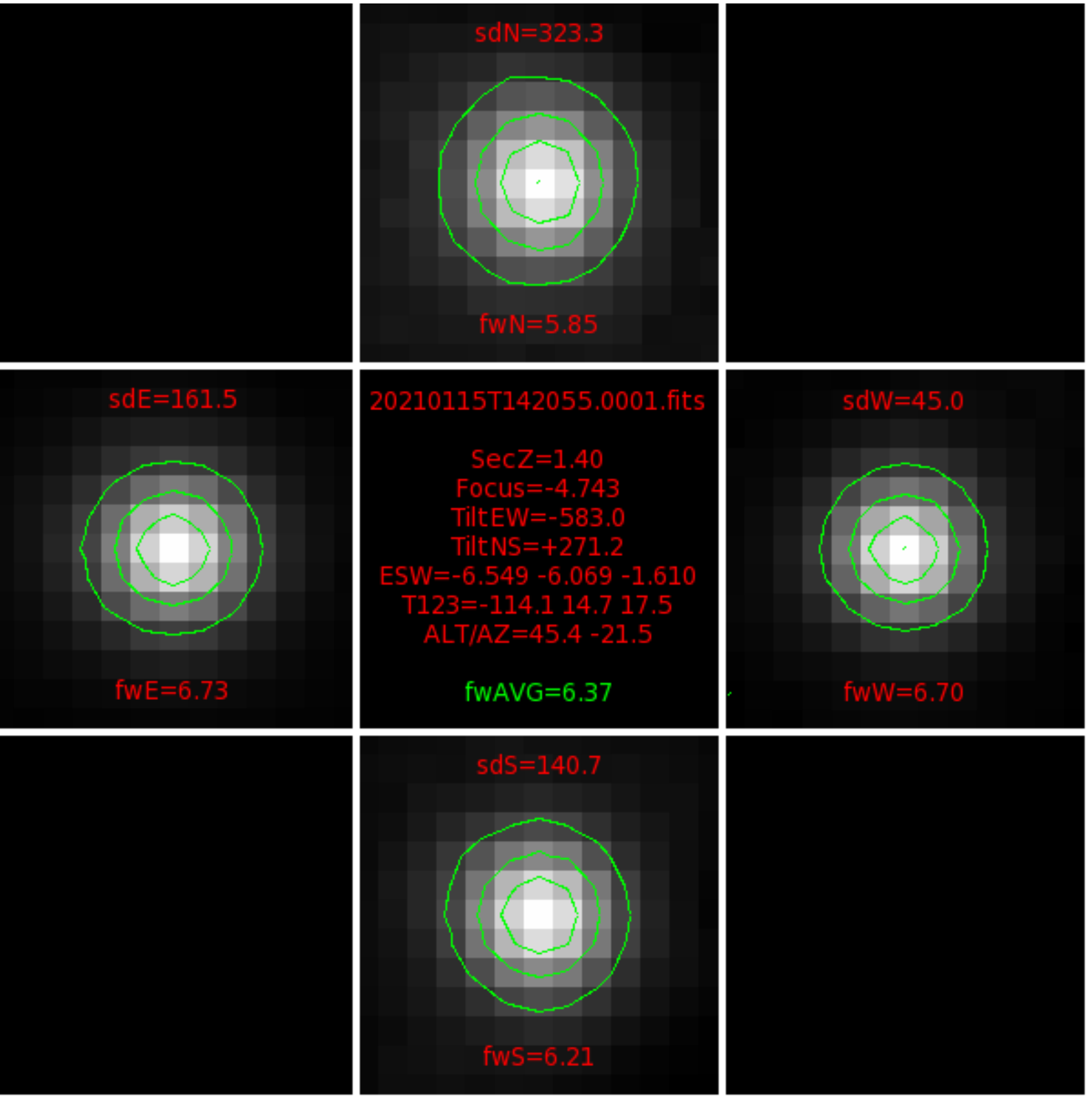
sdN=323.3
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sdE=161.5
fwE=6.73
20210115T142055.0001.fits
SecZ=1.40
Focus=-4.743
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.549 -6.069 -1.610
T123=-114.1 14.7 17.5
ALT/AZ=45.4 -21.5
fwAVG=6.37
sdW=45.0
fwW=6.70
sdS=140.7
fwS=6.21
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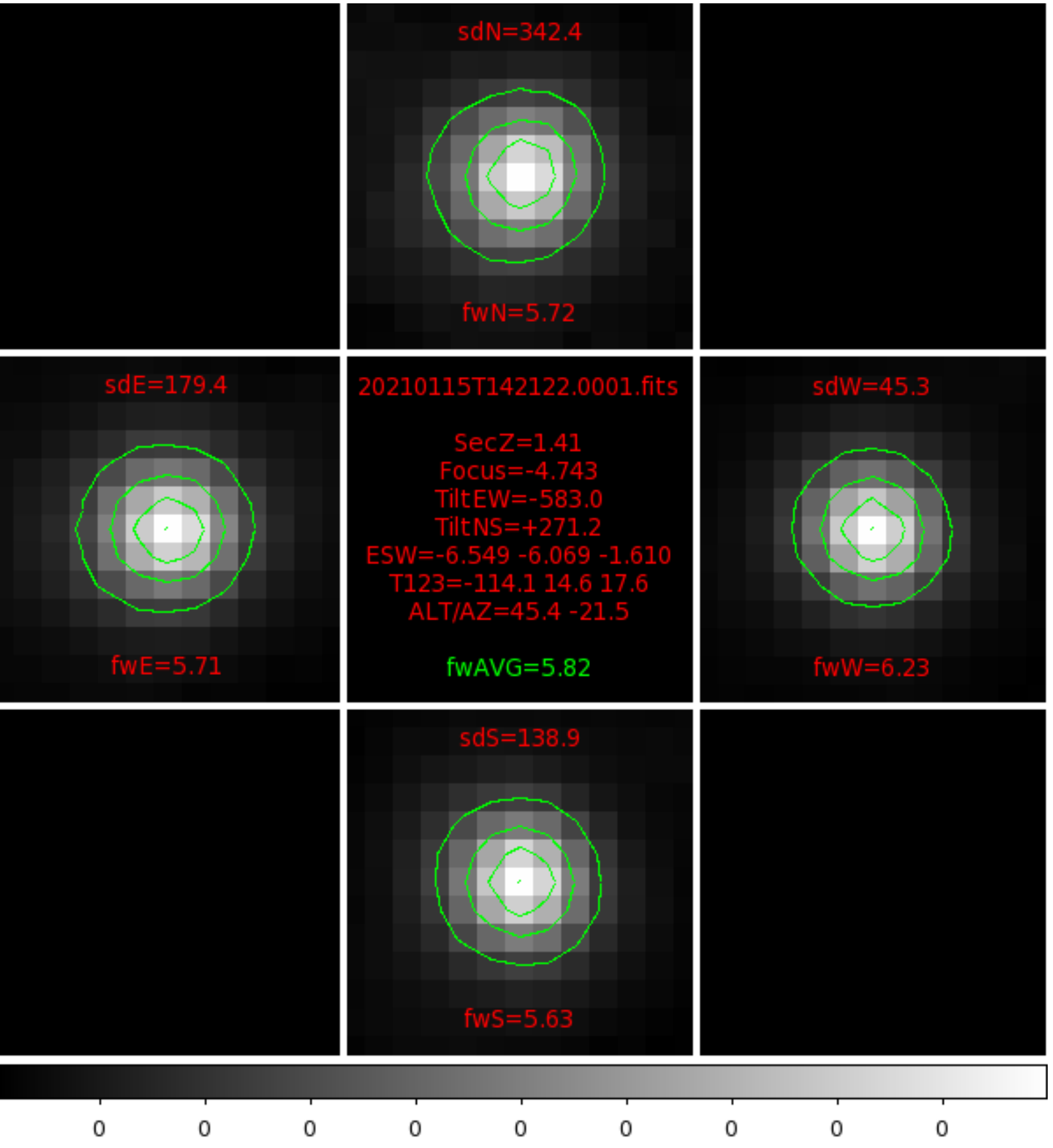
sdN=342.4
fwN=5.72
sdE=179.4
fwE=5.71
20210115T142122.0001.fits
SecZ=1.41
Focus=-4.743
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.549 -6.069 -1.610
T123=-114.1 14.6 17.6
ALT/AZ=45.4 -21.5
fwAVG=5.82
sdW=45.3
fwW=6.23
sdS=138.9
fwS=5.63
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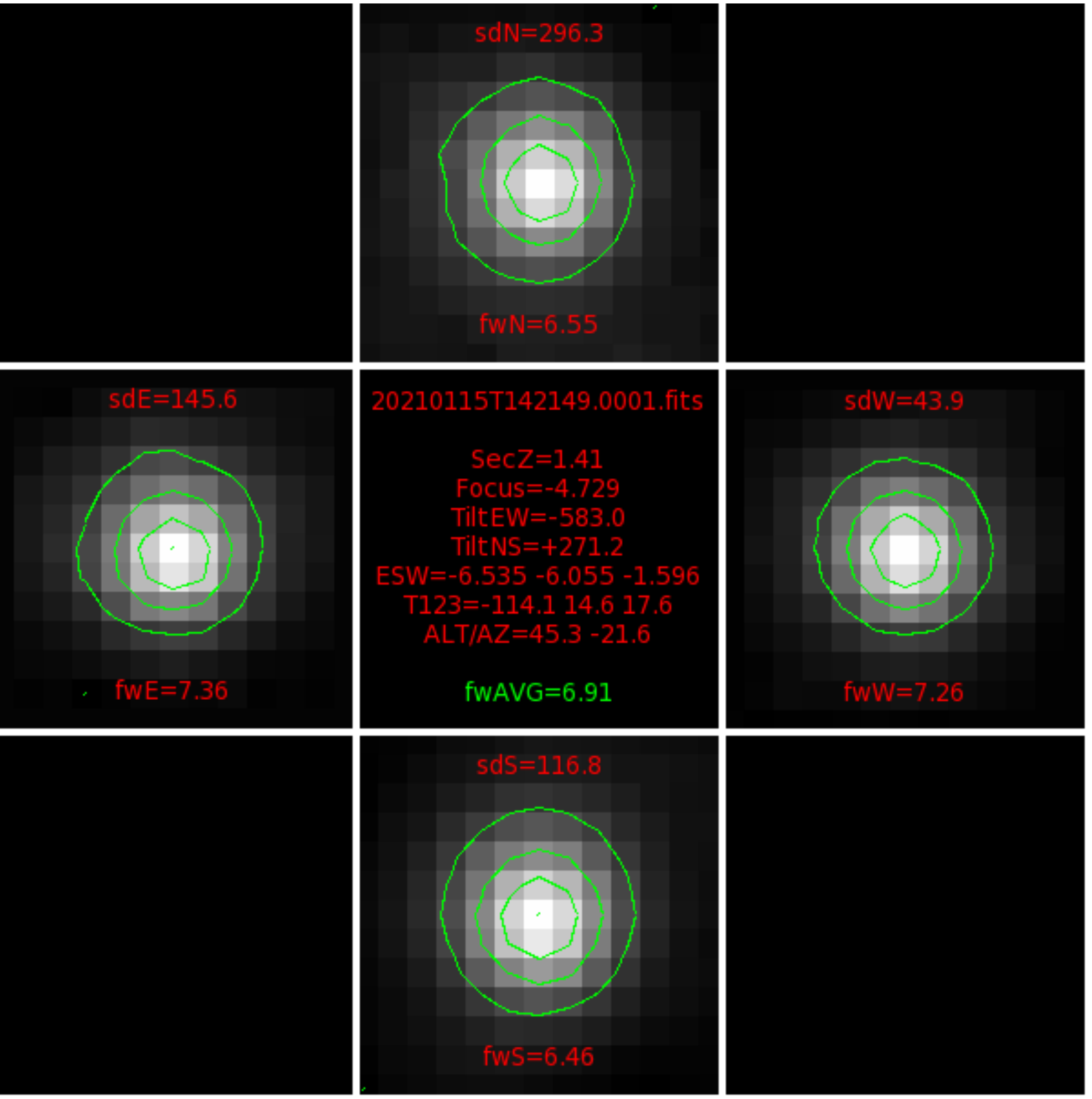
sdN=296.3
fwN=6.55
sdE=145.6
fwE=7.36
20210115T142149.0001.fits
SecZ=1.41
Focus=-4.729
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.535 -6.055 -1.596
T123=-114.1 14.6 17.6
ALT/AZ=45.3 -21.6
fwAVG=6.91
sdW=43.9
fwW=7.26
sdS=116.8
fwS=6.46
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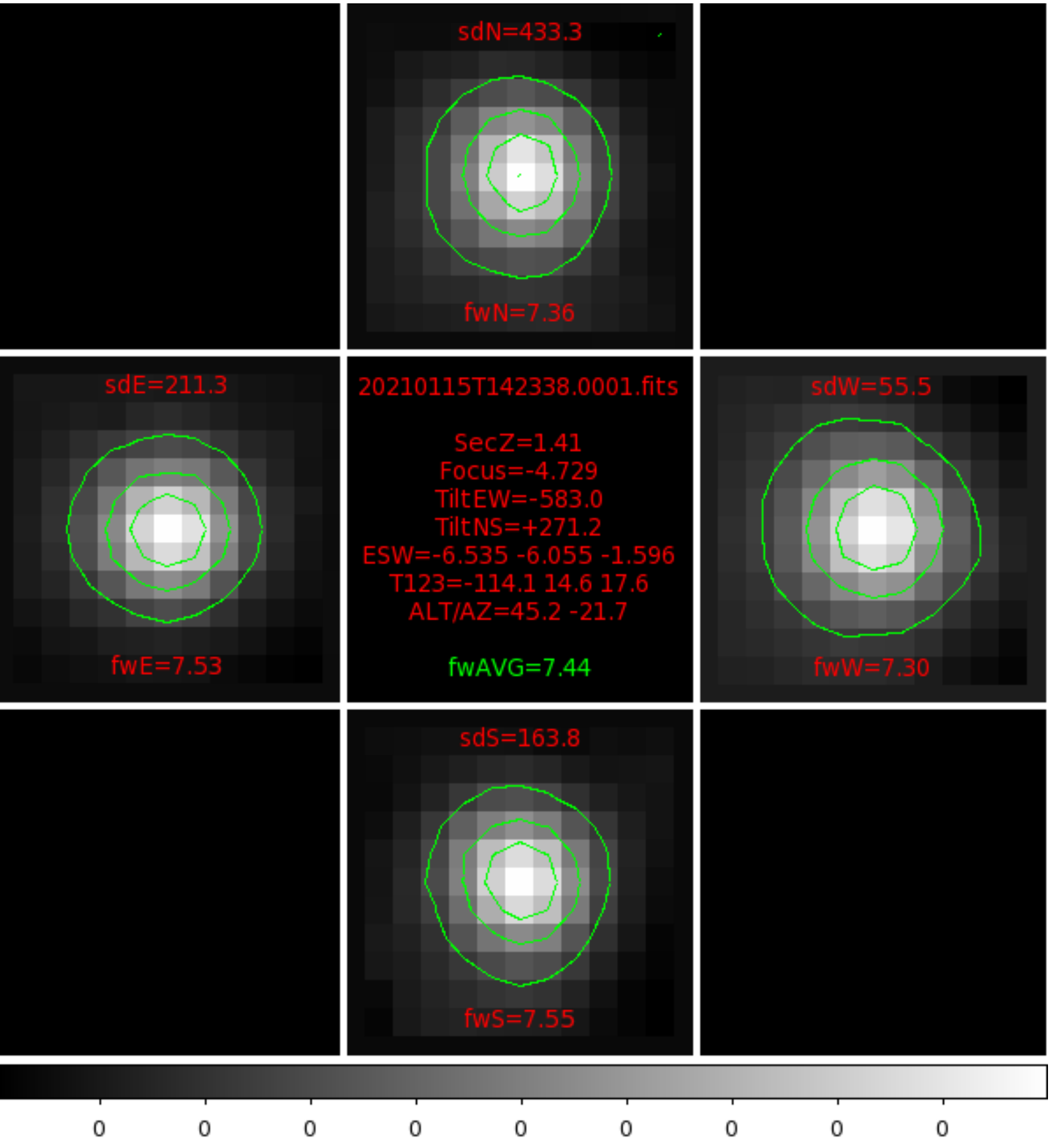
sdN=433.3
fwN=7.36
sdE=211.3
fwE=7.53
20210115T142338.0001.fits
SecZ=1.41
Focus=-4.729
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.535 -6.055 -1.596
T123=-114.1 14.6 17.6
ALT/AZ=45.2 -21.7
fwAVG=7.44
sdW=55.5
fwW=7.30
sdS=163.8
fwS=7.55
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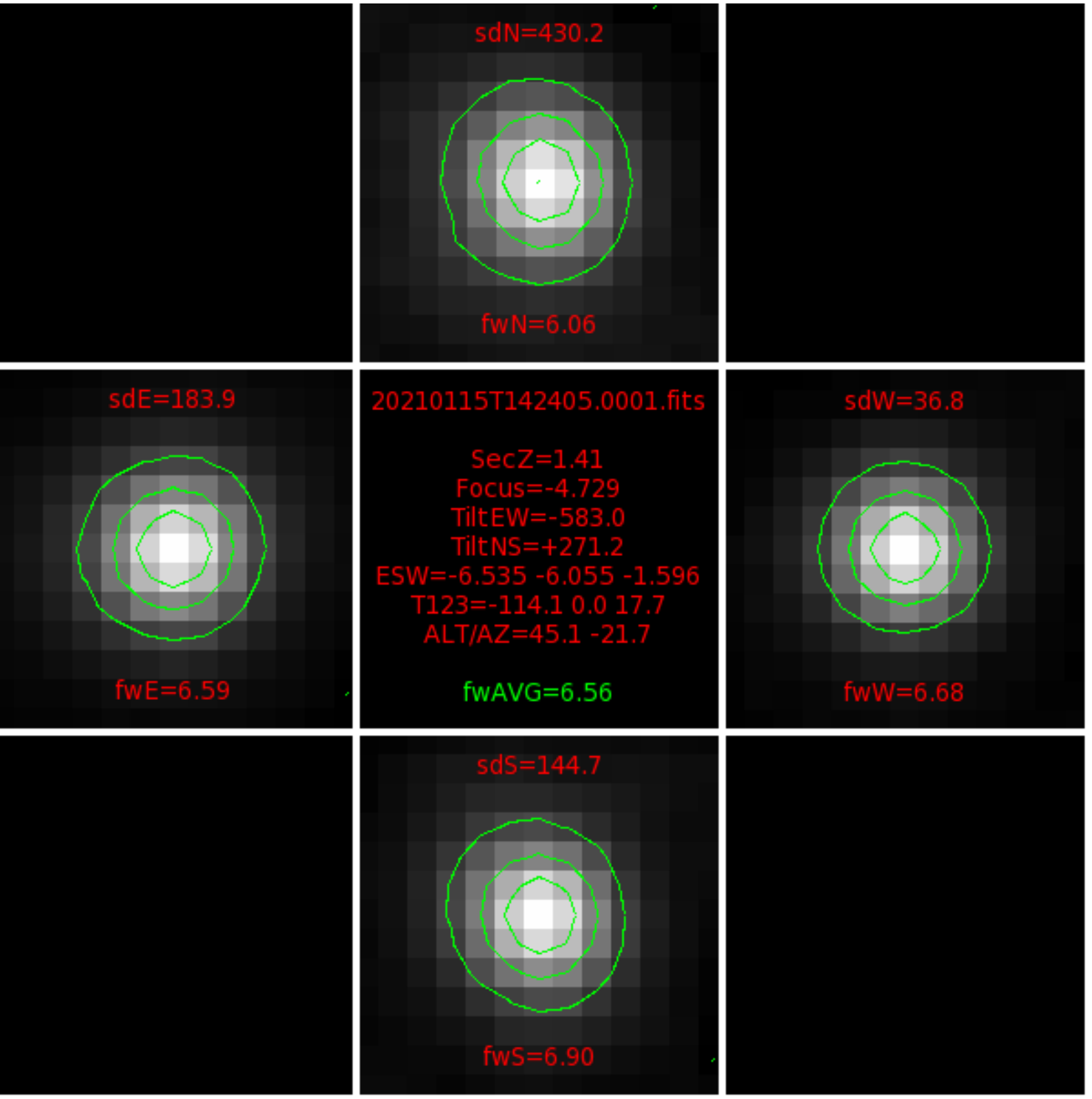
sdN=430.2
fwN=6.06
sdE=183.9
fwE=6.59
20210115T142405.0001.fits
SecZ=1.41
Focus=-4.729
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.535 -6.055 -1.596
T123=-114.1 0.0 17.7
ALT/AZ=45.1 -21.7
fwAVG=6.56
sdW=36.8
fwW=6.68
sdS=144.7
fwS=6.90
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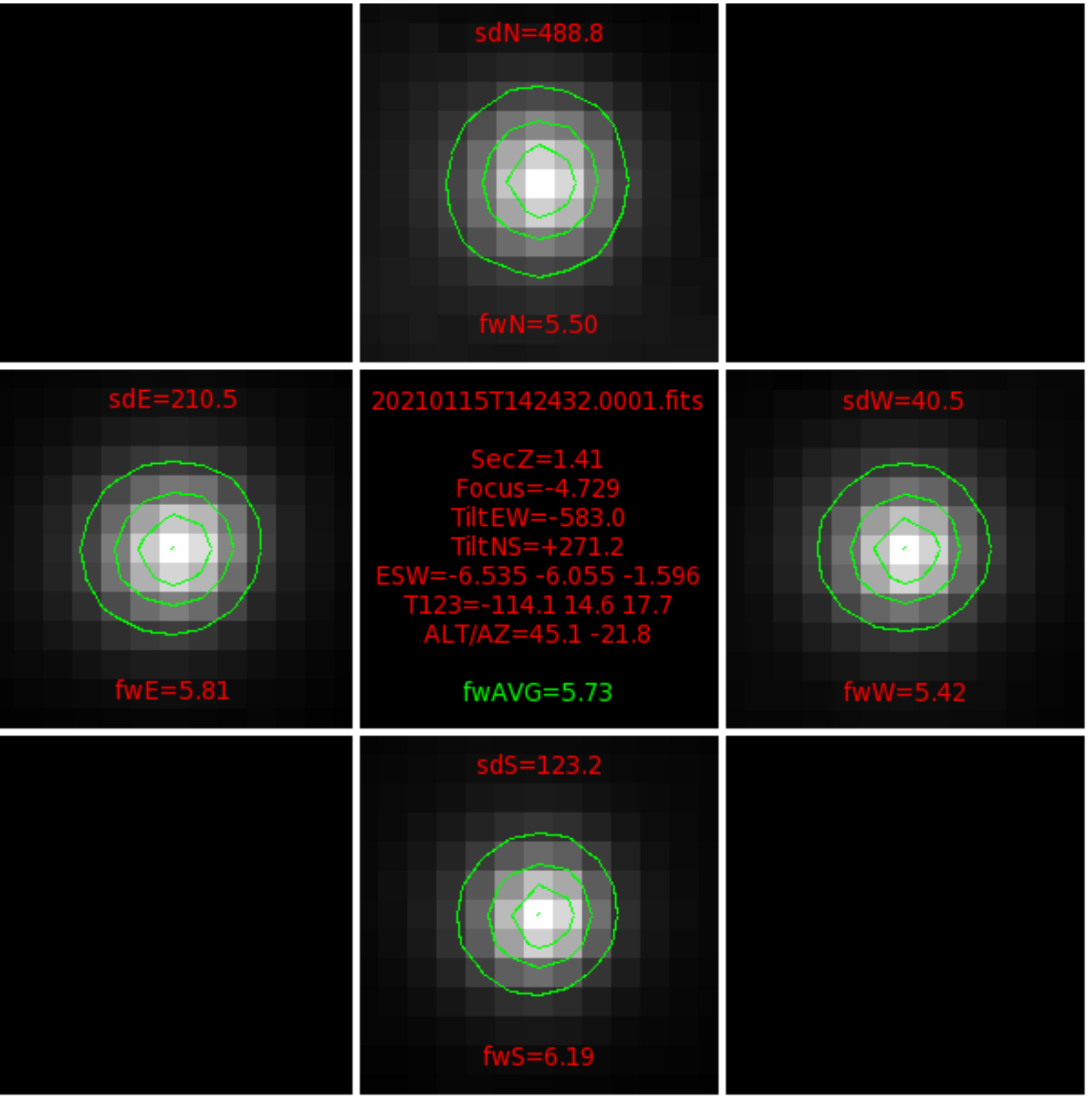
sdN=488.8
fwN=5.50
sdE=210.5
fwE=5.81
20210115T142432.0001.fits
SecZ=1.41
Focus=-4.729
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.535 -6.055 -1.596
T123=-114.1 14.6 17.7
ALT/AZ=45.1 -21.8
fwAVG=5.73
sdW=40.5
fwW=5.42
sdS=123.2
fwS=6.19
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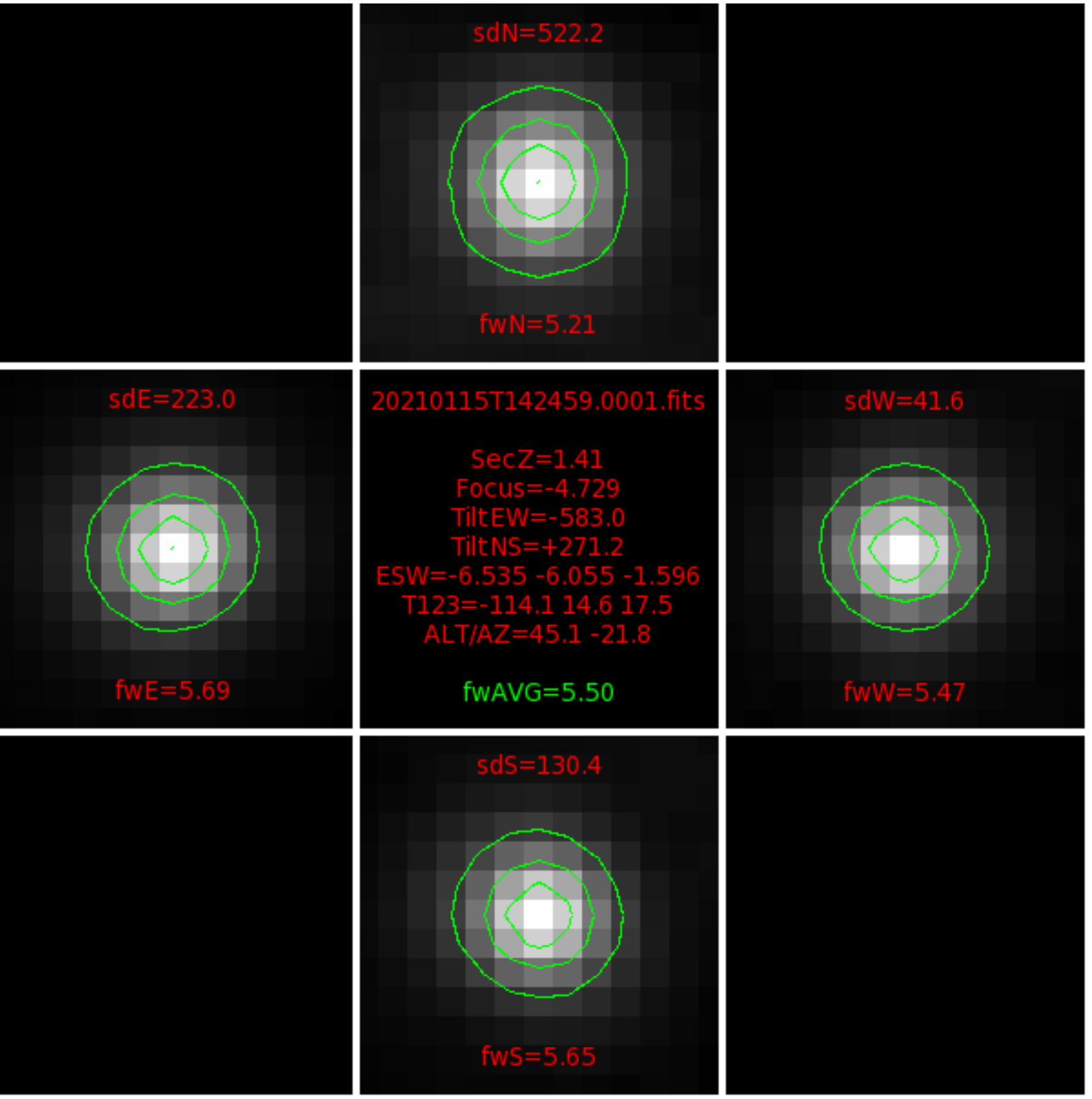
sdN=522.2
fwN=5.21
sdE=223.0
fwE=5.69
20210115T142459.0001.fits
SecZ=1.41
Focus=-4.729
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.535 -6.055 -1.596
T123=-114.1 14.6 17.5
ALT/AZ=45.1 -21.8
fwAVG=5.50
sdW=41.6
fwW=5.47
sdS=130.4
fwS=5.65
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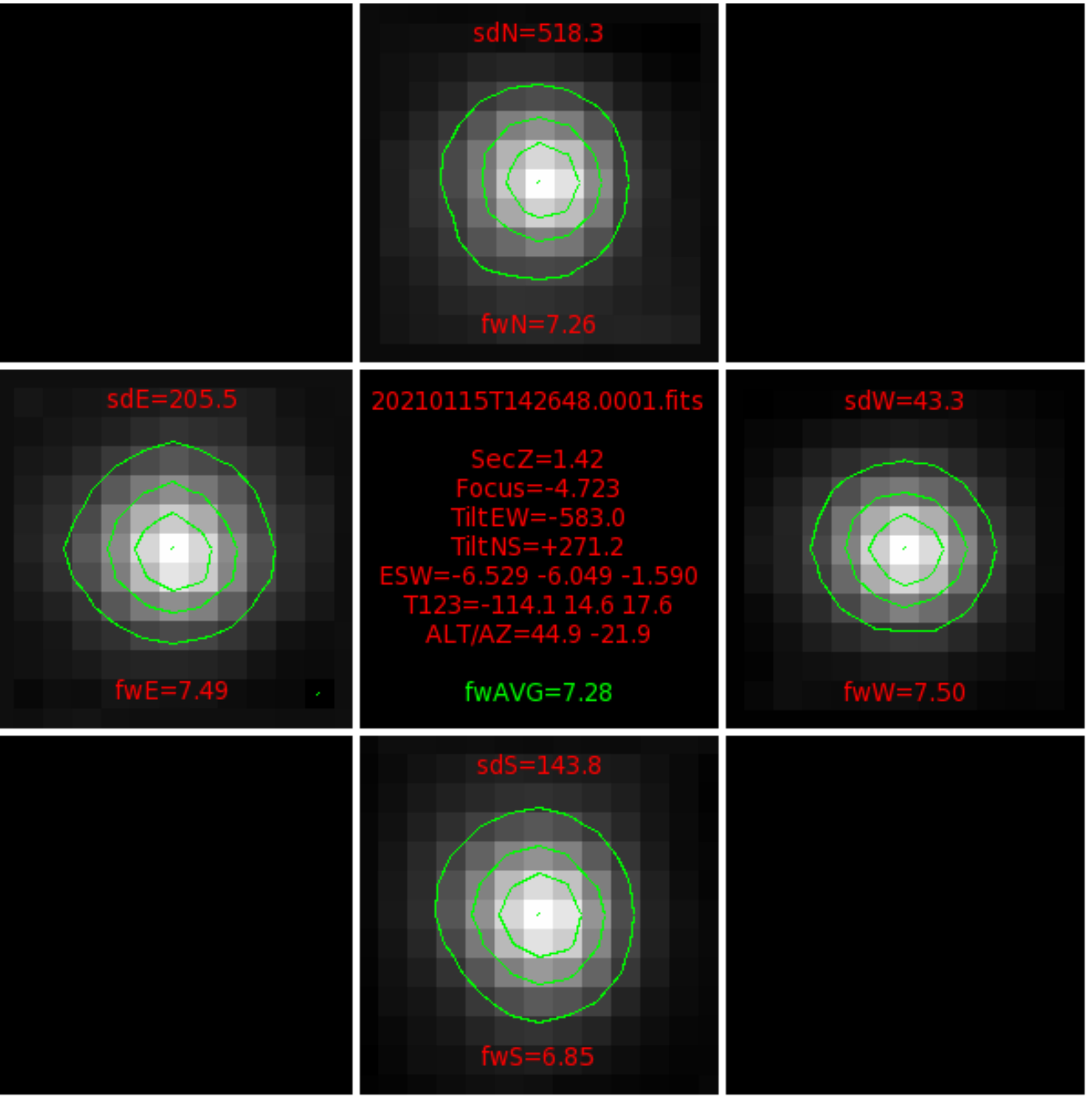
sdN=518.3
fwN=7.26
sdE=205.5
fwE=7.49
20210115T142648.0001.fits
SecZ=1.42
Focus=-4.723
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.529 -6.049 -1.590
T123=-114.1 14.6 17.6
ALT/AZ=44.9 -21.9
fwAVG=7.28
sdW=43.3
fwW=7.50
sdS=143.8
fwS=6.85
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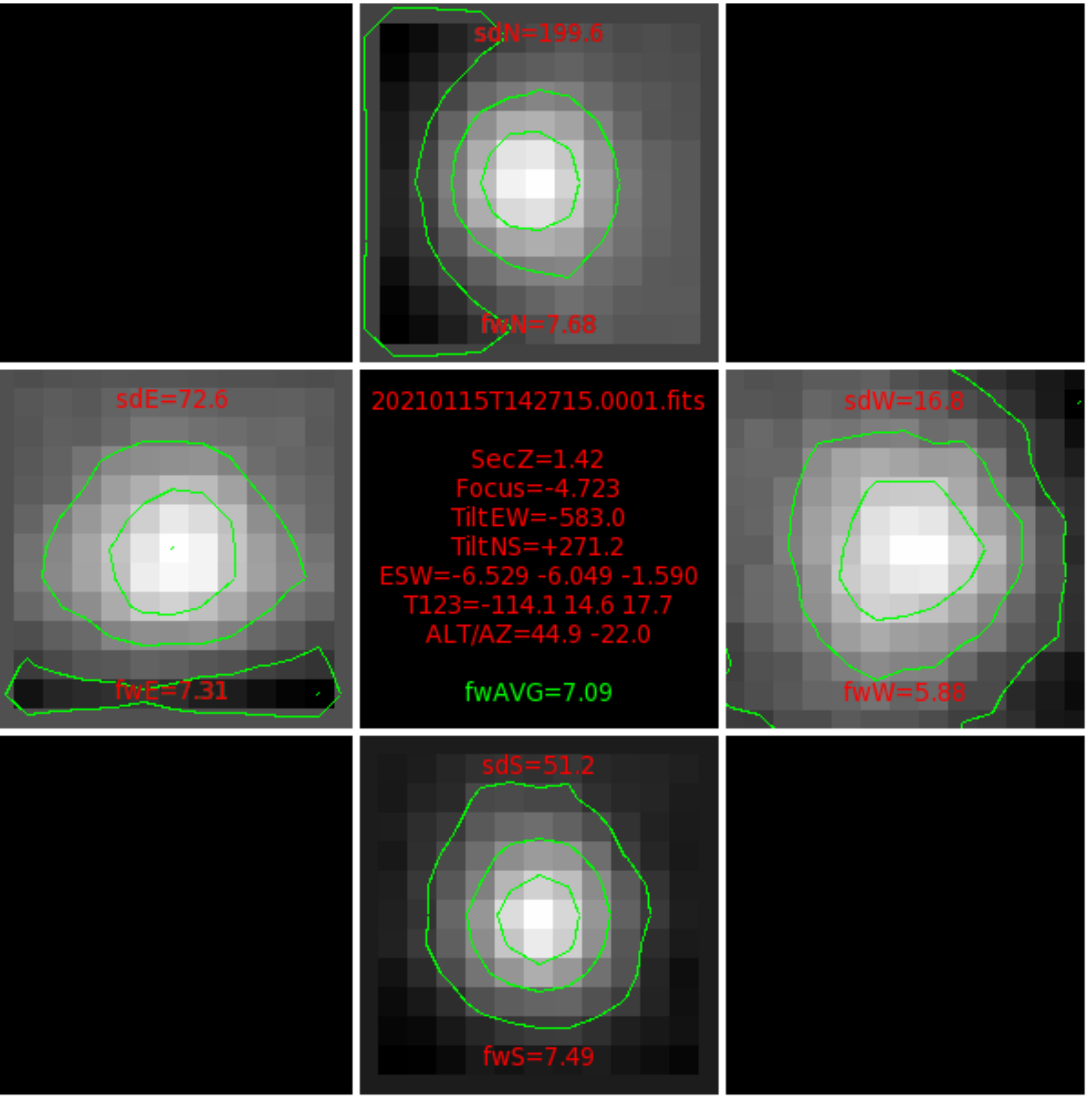
sdN=199.6
fwN=7.68
sdE=72.6
fwE=7.31
20210115T142715.0001.fits
SecZ=1.42
Focus=-4.723
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.529 -6.049 -1.590
T123=-114.1 14.6 17.7
ALT/AZ=44.9 -22.0
fwAVG=7.09
sdW=16.8
fwW=5.88
sdS=51.2
fwS=7.49
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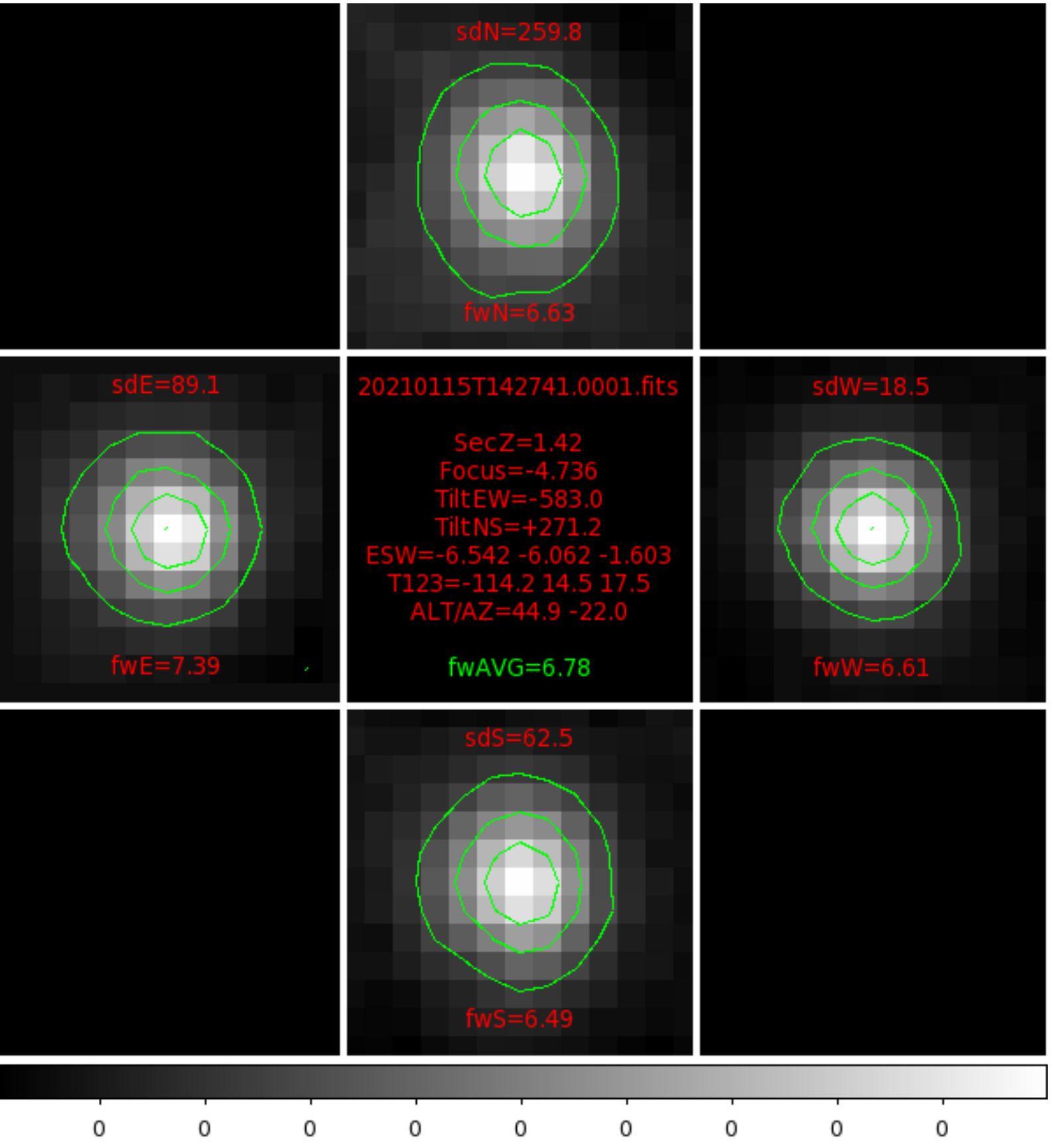
sdN=259.8
fwN=6.63
sdE=89.1
fwE=7.39
20210115T142741.0001.fits
SecZ=1.42
Focus=-4.736
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.542 -6.062 -1.603
T123=-114.2 14.5 17.5
ALT/AZ=44.9 -22.0
fwAVG=6.78
sdW=18.5
fwW=6.61
sdS=62.5
fwS=6.49
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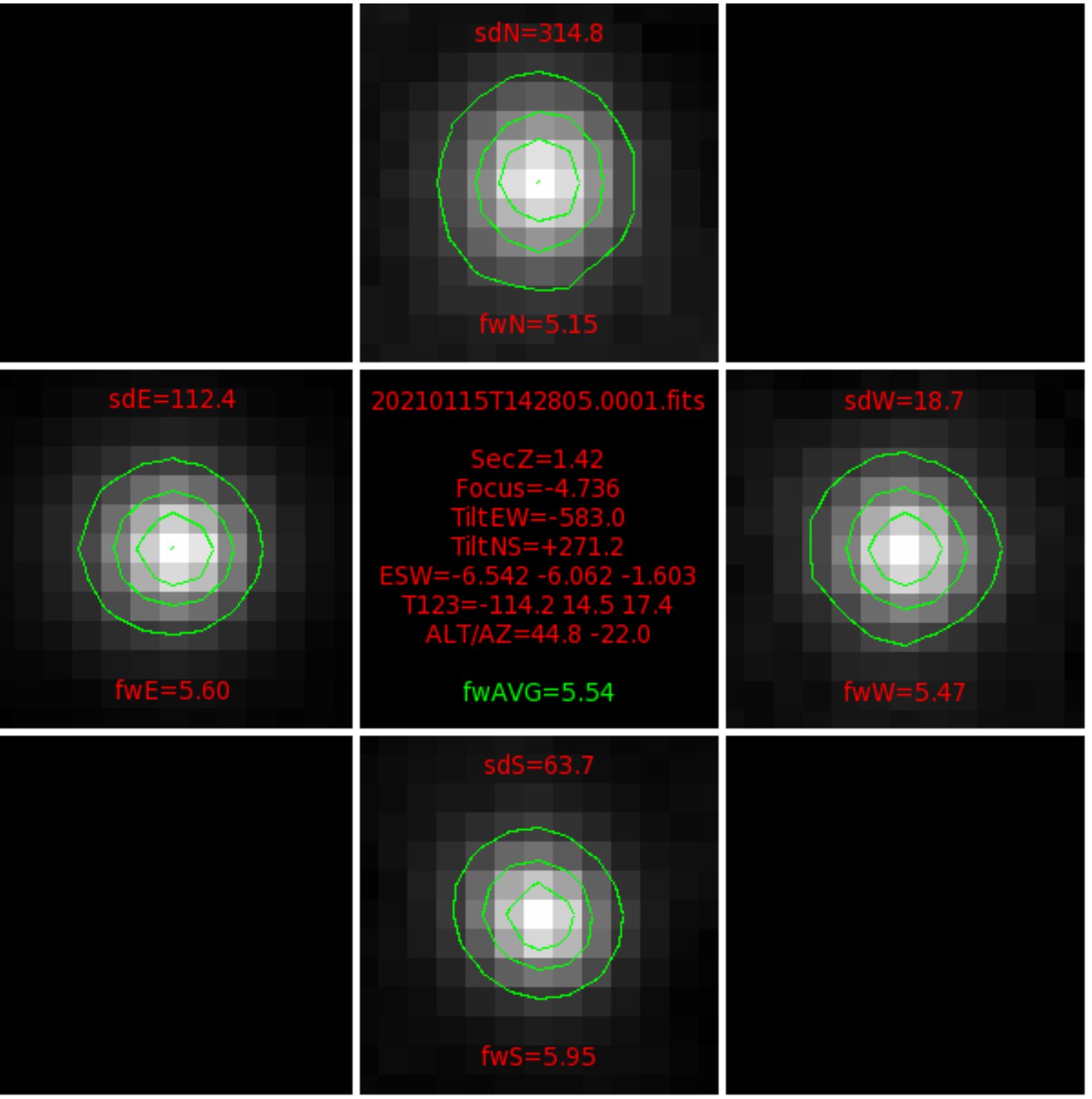
sdN=314.8
fwN=5.15
sdE=112.4
fwE=5.60
20210115T142805.0001.fits
SecZ=1.42
Focus=-4.736
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.542 -6.062 -1.603
T123=-114.2 14.5 17.4
ALT/AZ=44.8 -22.0
fwAVG=5.54
sdW=18.7
fwW=5.47
sdS=63.7
fwS=5.95
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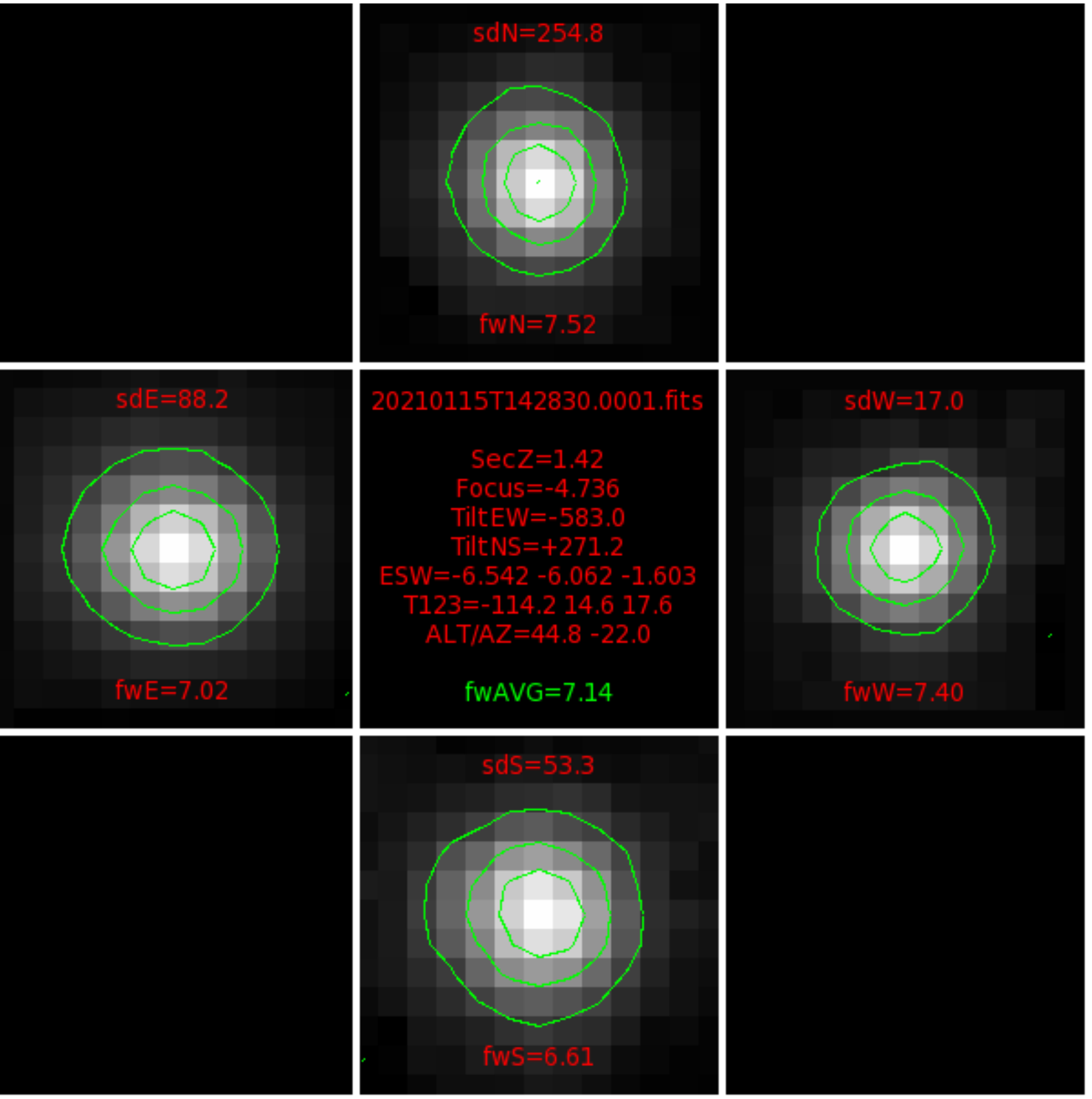
sdN=254.8
fwN=7.52
sdE=88.2
fwE=7.02
20210115T142830.0001.fits
SecZ=1.42
Focus=-4.736
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.542 -6.062 -1.603
T123=-114.2 14.6 17.6
ALT/AZ=44.8 -22.0
fwAVG=7.14
sdW=17.0
fwW=7.40
sdS=53.3
fwS=6.61
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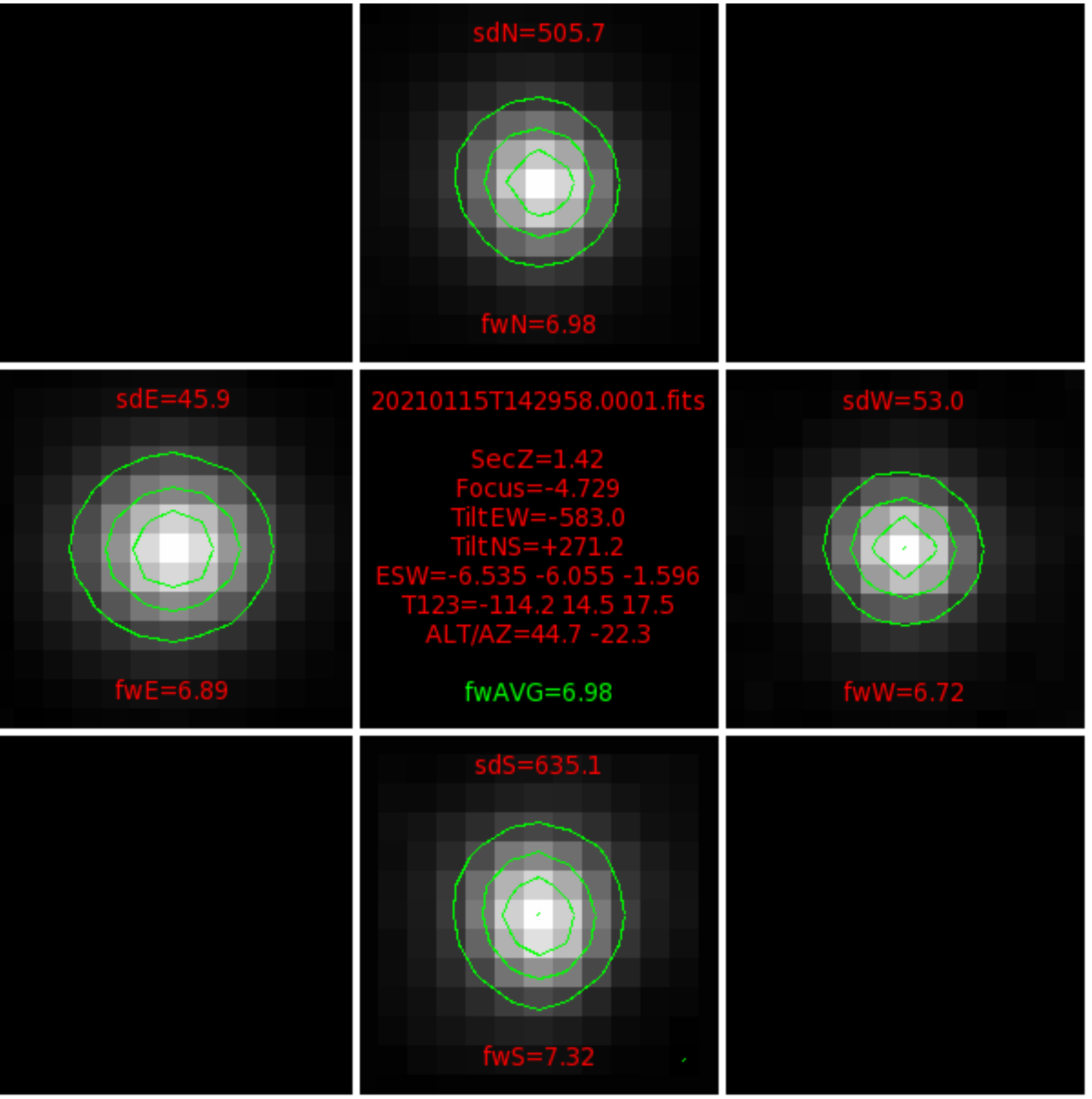
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fwN=6.98
sdE=45.9
fwE=6.89
20210115T142958.0001.fits
SecZ=1.42
Focus=-4.729
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.535 -6.055 -1.596
T123=-114.2 14.5 17.5
ALT/AZ=44.7 -22.3
fwAVG=6.98
sdW=53.0
fwW=6.72
sdS=635.1
fwS=7.32
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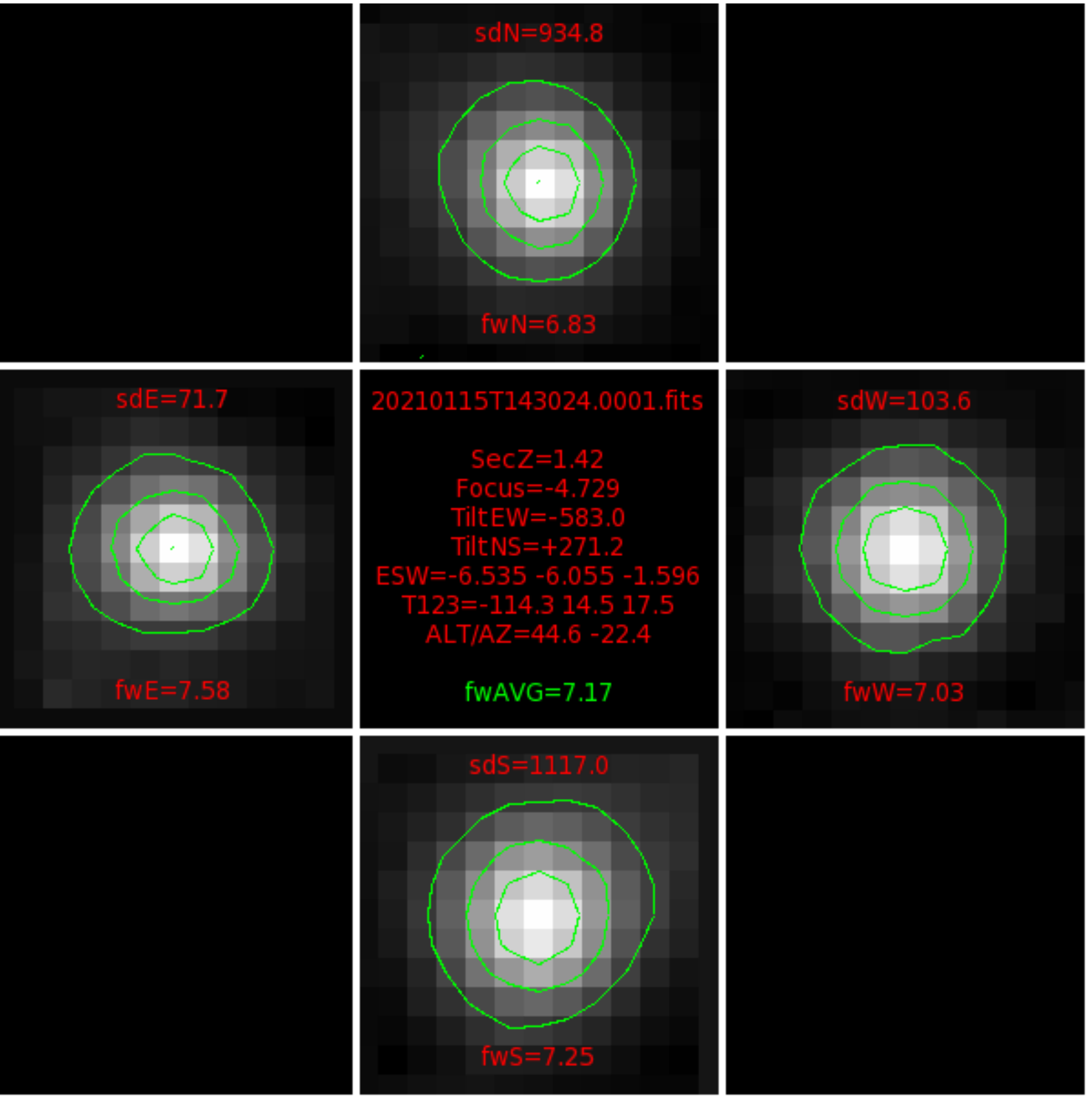
sdN=934.8
fwN=6.83
sdE=71.7
fwE=7.58
20210115T143024.0001.fits
SecZ=1.42
Focus=-4.729
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.535 -6.055 -1.596
T123=-114.3 14.5 17.5
ALT/AZ=44.6 -22.4
fwAVG=7.17
sdW=103.6
fwW=7.03
sdS=1117.0
fwS=7.25
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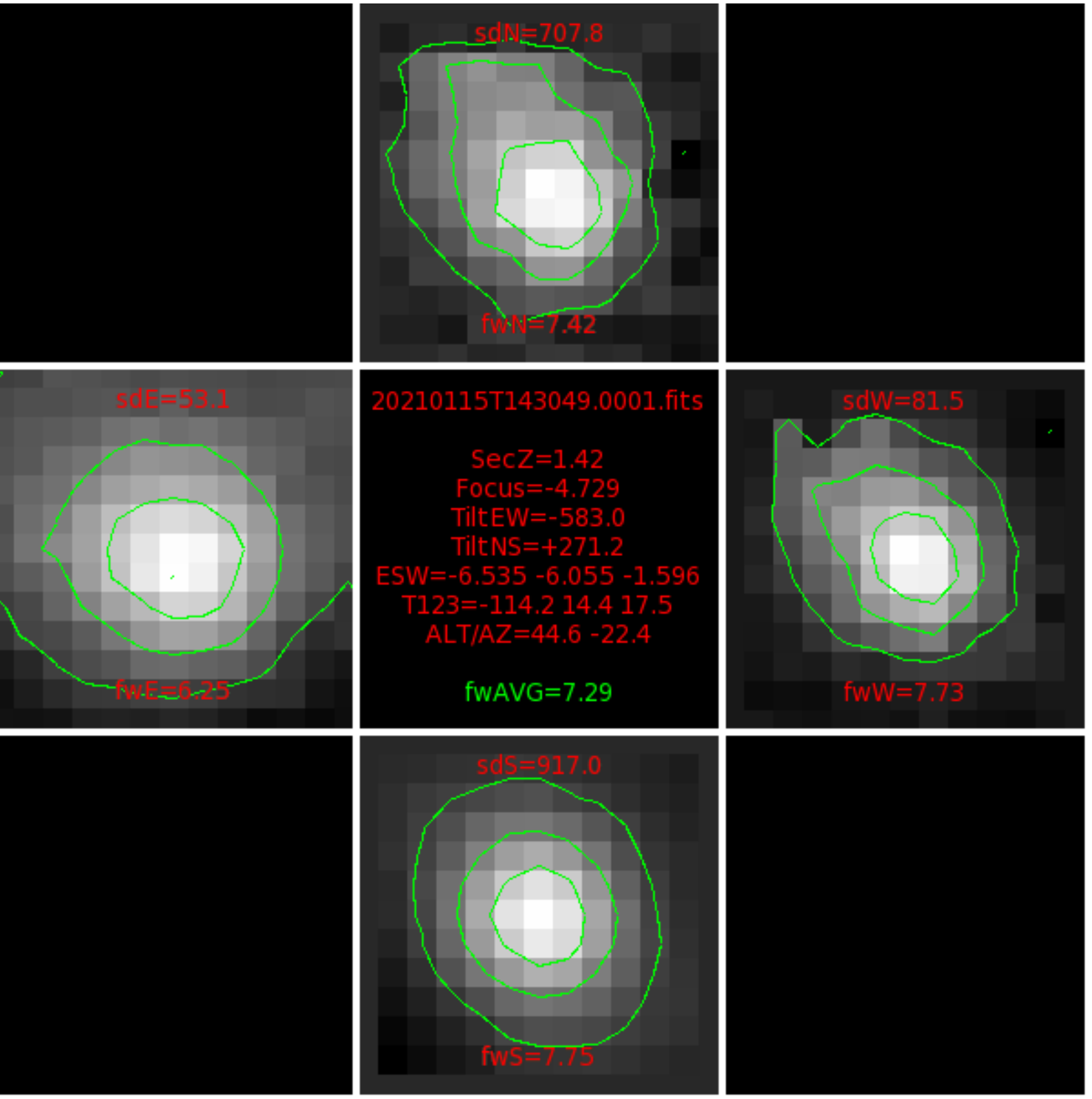
sdN=707.8
fwN=7.42
sdE=53.1
fwE=6.25
20210115T143049.0001.fits
SecZ=1.42
Focus=-4.729
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.535 -6.055 -1.596
T123=-114.2 14.4 17.5
ALT/AZ=44.6 -22.4
fwAVG=7.29
sdW=81.5
fwW=7.73
sdS=917.0
fwS=7.75
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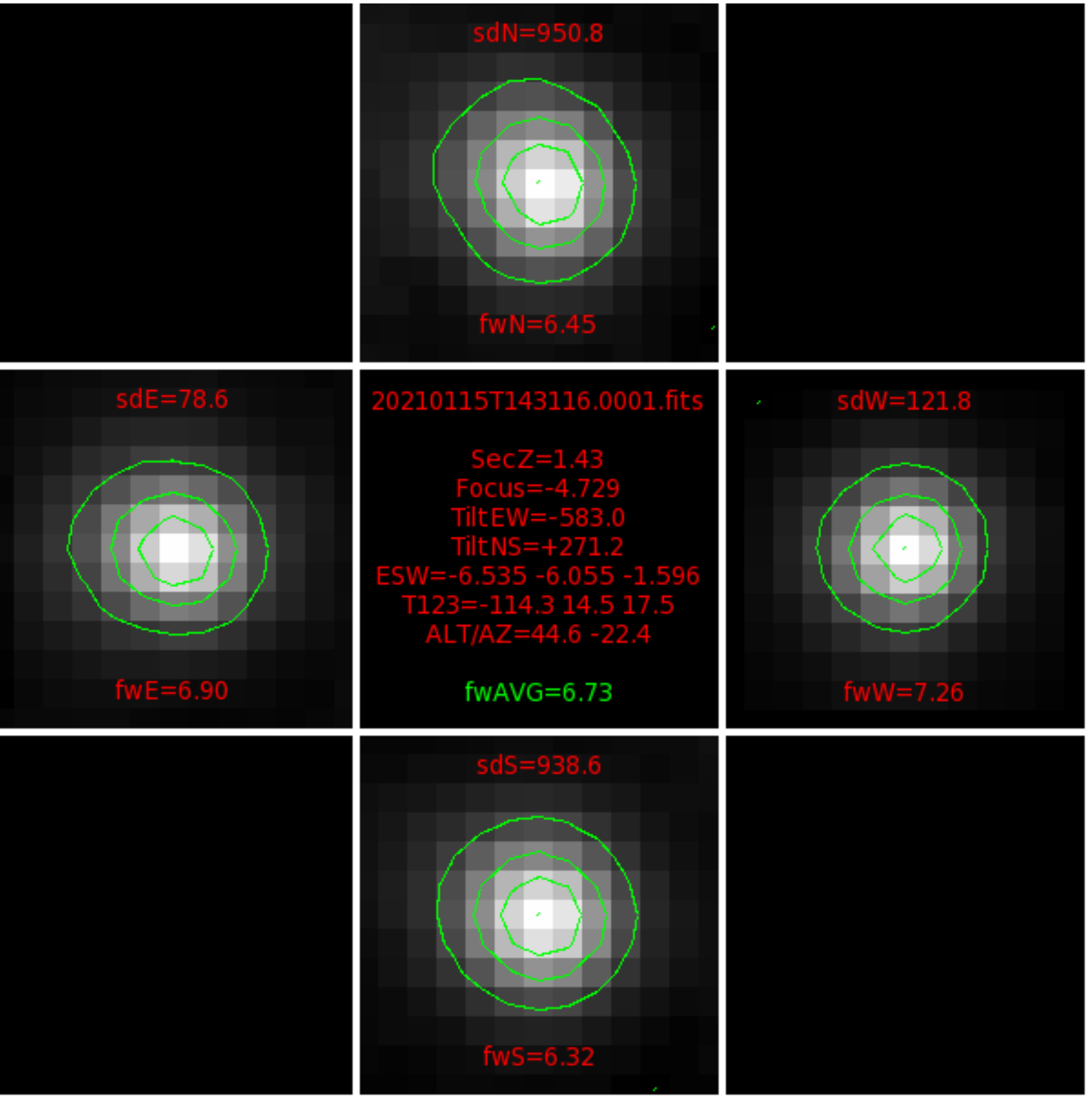
sdN=950.8
fwN=6.45
sdE=78.6
fwE=6.90
20210115T143116.0001.fits
SecZ=1.43
Focus=-4.729
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.535 -6.055 -1.596
T123=-114.3 14.5 17.5
ALT/AZ=44.6 -22.4
fwAVG=6.73
sdW=121.8
fwW=7.26
sdS=938.6
fwS=6.32
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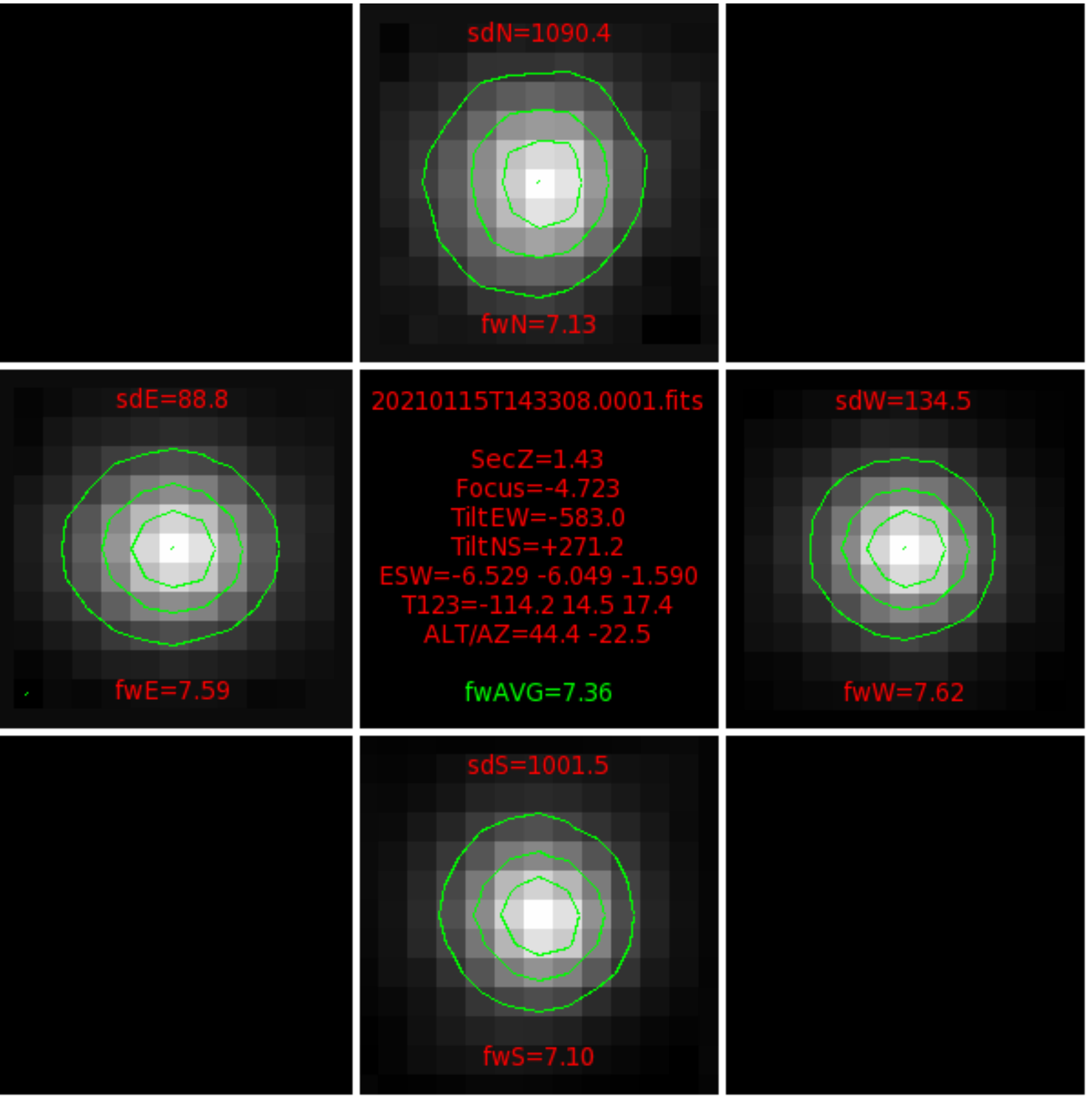
sdN=1090.4
fwN=7.13
sdE=88.8
fwE=7.59
20210115T143308.0001.fits
SecZ=1.43
Focus=-4.723
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.529 -6.049 -1.590
T123=-114.2 14.5 17.4
ALT/AZ=44.4 -22.5
fwAVG=7.36
sdW=134.5
fwW=7.62
sdS=1001.5
fwS=7.10
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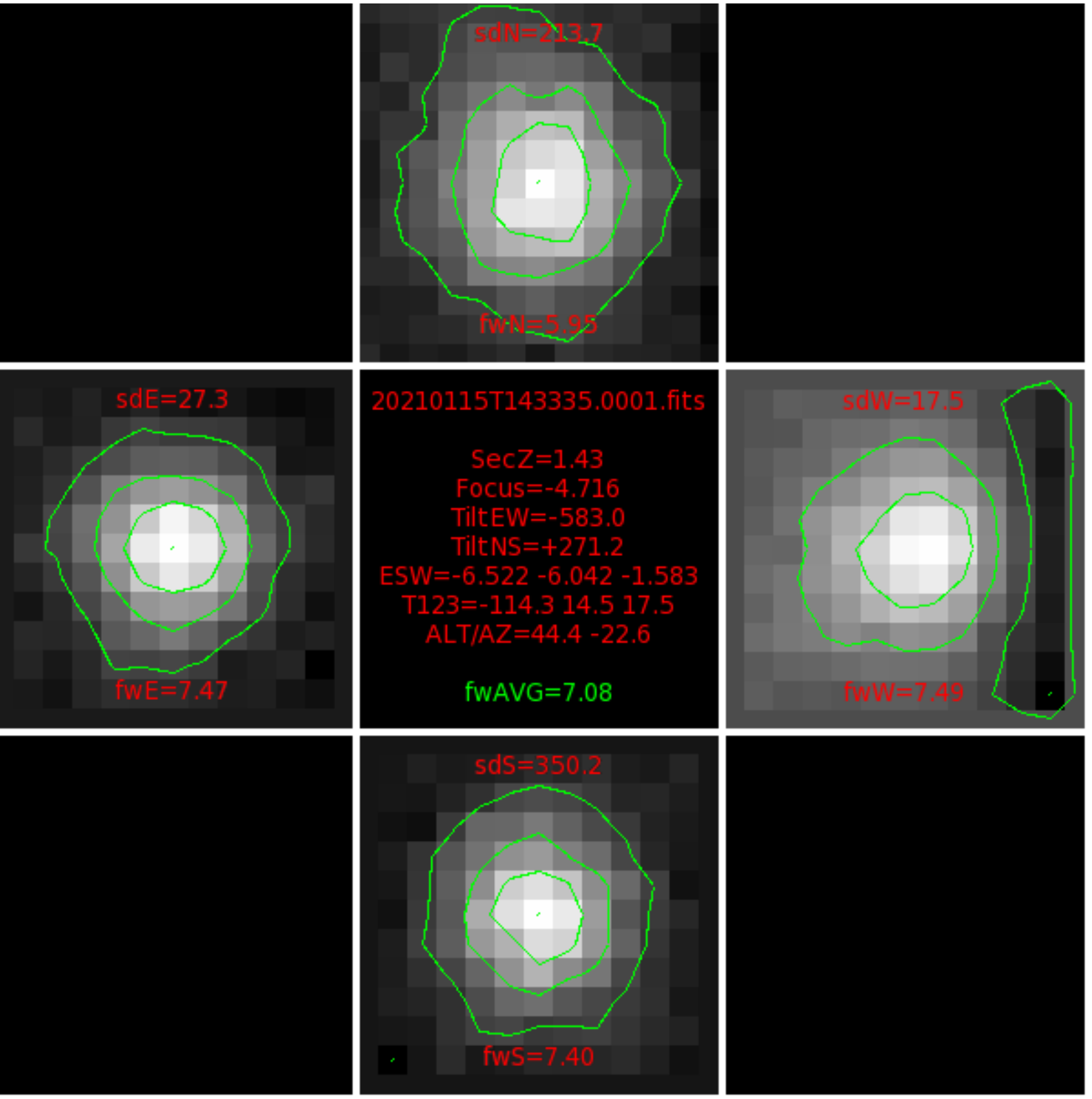
sdN=213.7
fwN=5.95
sdE=27.3
fwE=7.47
20210115T143335.0001.fits
SecZ=1.43
Focus=-4.716
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.522 -6.042 -1.583
T123=-114.3 14.5 17.5
ALT/AZ=44.4 -22.6
fwAVG=7.08
sdW=17.5
fwW=7.49
sdS=350.2
fwS=7.40
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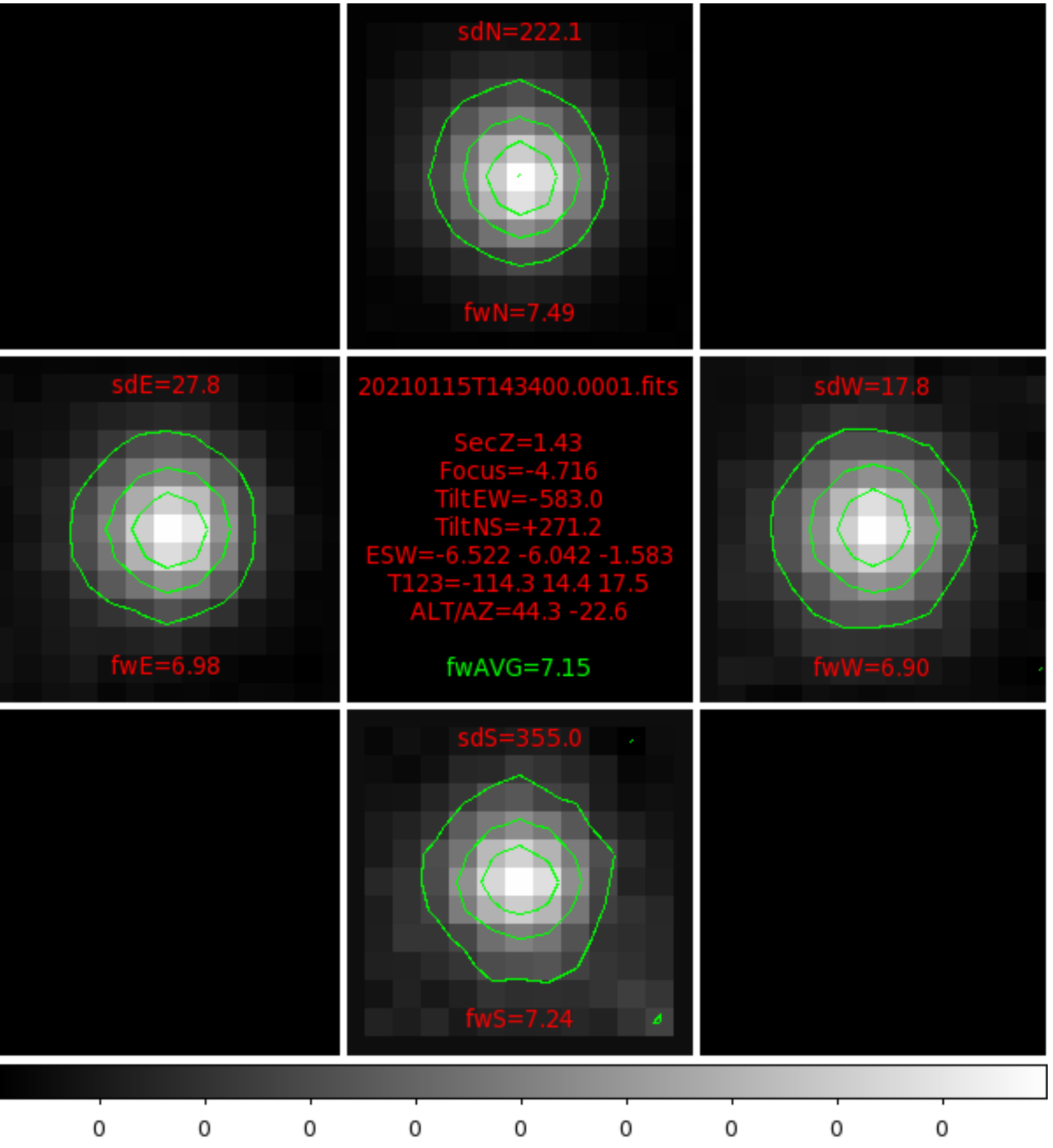
sdN=222.1
fwN=7.49
sdE=27.8
fwE=6.98
20210115T143400.0001.fits
SecZ=1.43
Focus=-4.716
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.522 -6.042 -1.583
T123=-114.3 14.4 17.5
ALT/AZ=44.3 -22.6
fwAVG=7.15
sdW=17.8
fwW=6.90
sdS=355.0
fwS=7.24
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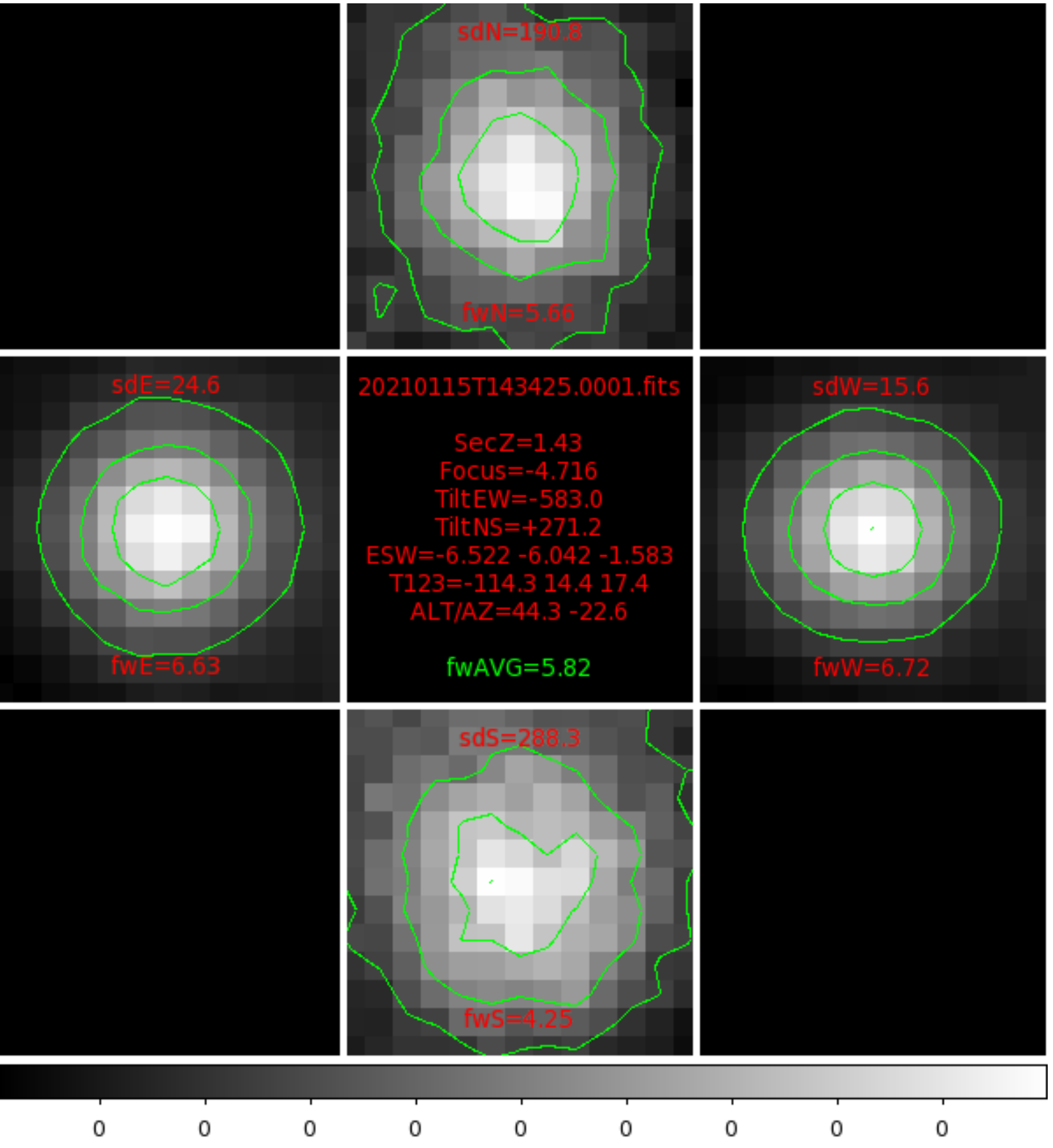
sdN=190.8
fwN=5.66
sdE=24.6
fwE=6.63
20210115T143425.0001.fits
SecZ=1.43
Focus=-4.716
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.522 -6.042 -1.583
T123=-114.3 14.4 17.4
ALT/AZ=44.3 -22.6
fwAVG=5.82
sdW=15.6
fwW=6.72
sdS=288.3
fwS=4.25
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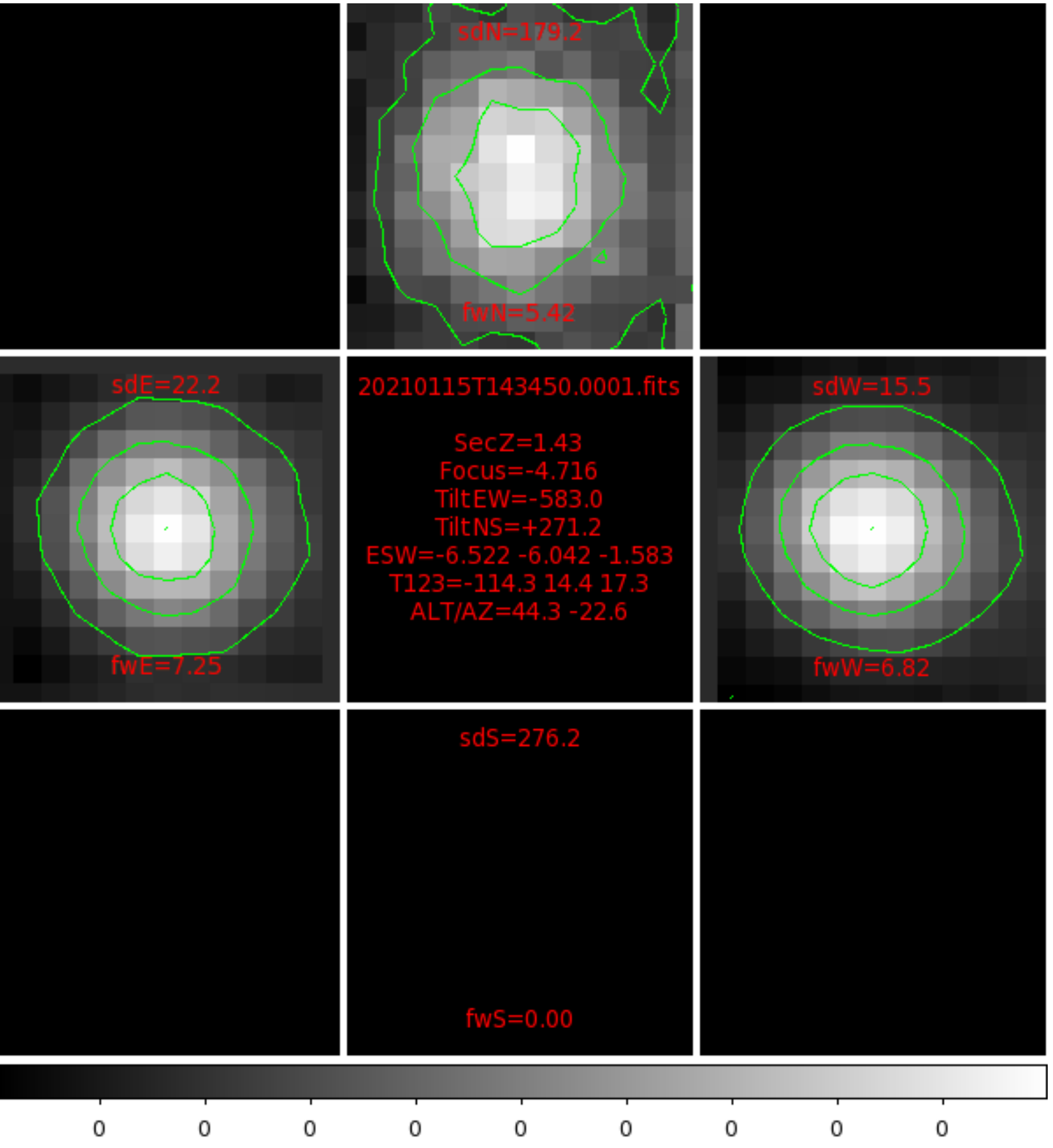
sdN=179.2
fwN=5.42
sdE=22.2
fwE=7.25
20210115T143450.0001.fits
SecZ=1.43
Focus=-4.716
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.522 -6.042 -1.583
T123=-114.3 14.4 17.3
ALT/AZ=44.3 -22.6
sdW=15.5
fwW=6.82
sdS=276.2
fwS=0.00
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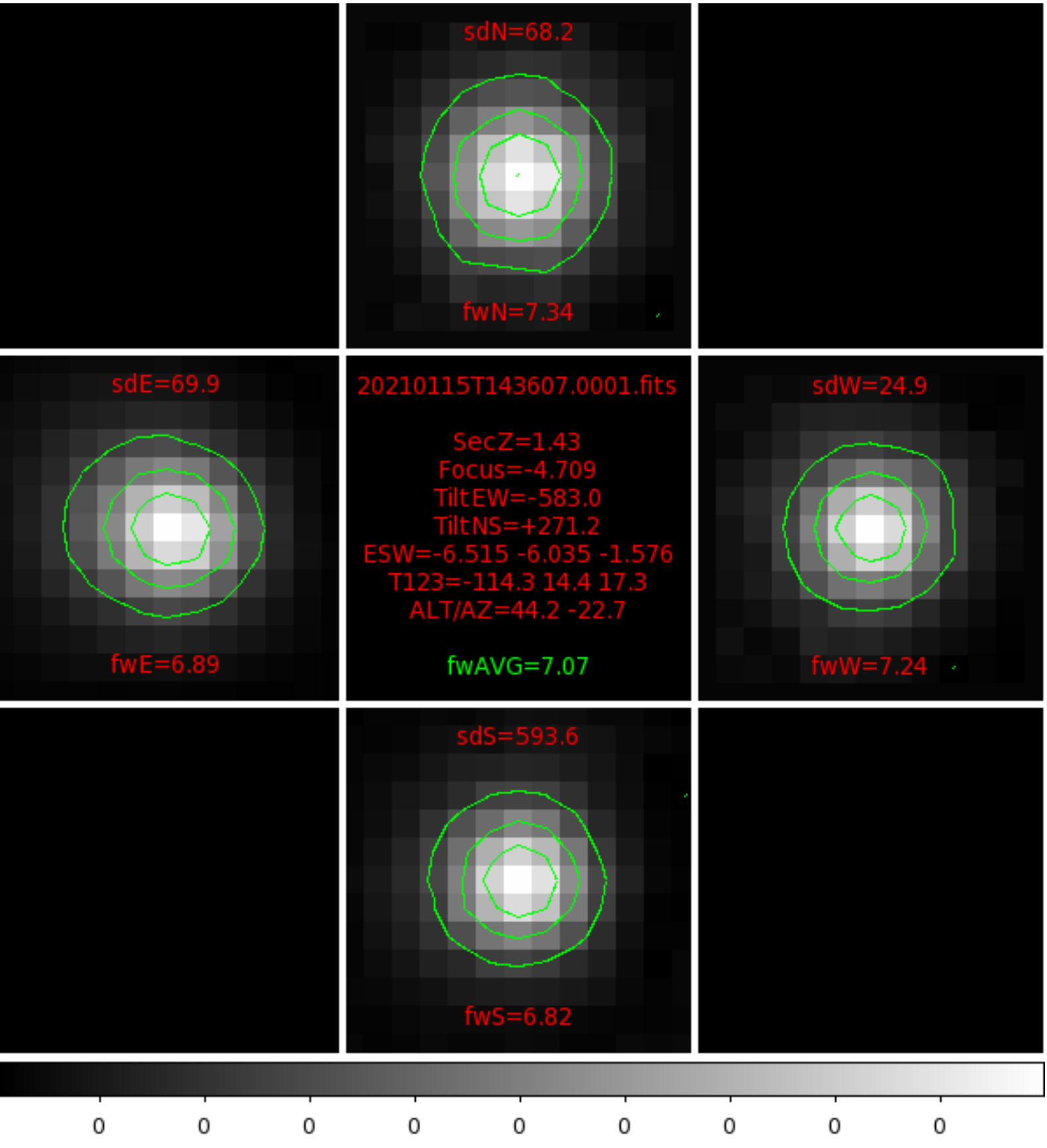
sdN=68.2
fwN=7.34
sdE=69.9
fwE=6.89
20210115T143607.0001.fits
SecZ=1.43
Focus=-4.709
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.515 -6.035 -1.576
T123=-114.3 14.4 17.3
ALT/AZ=44.2 -22.7
fwAVG=7.07
sdW=24.9
fwW=7.24
sdS=593.6
fwS=6.82
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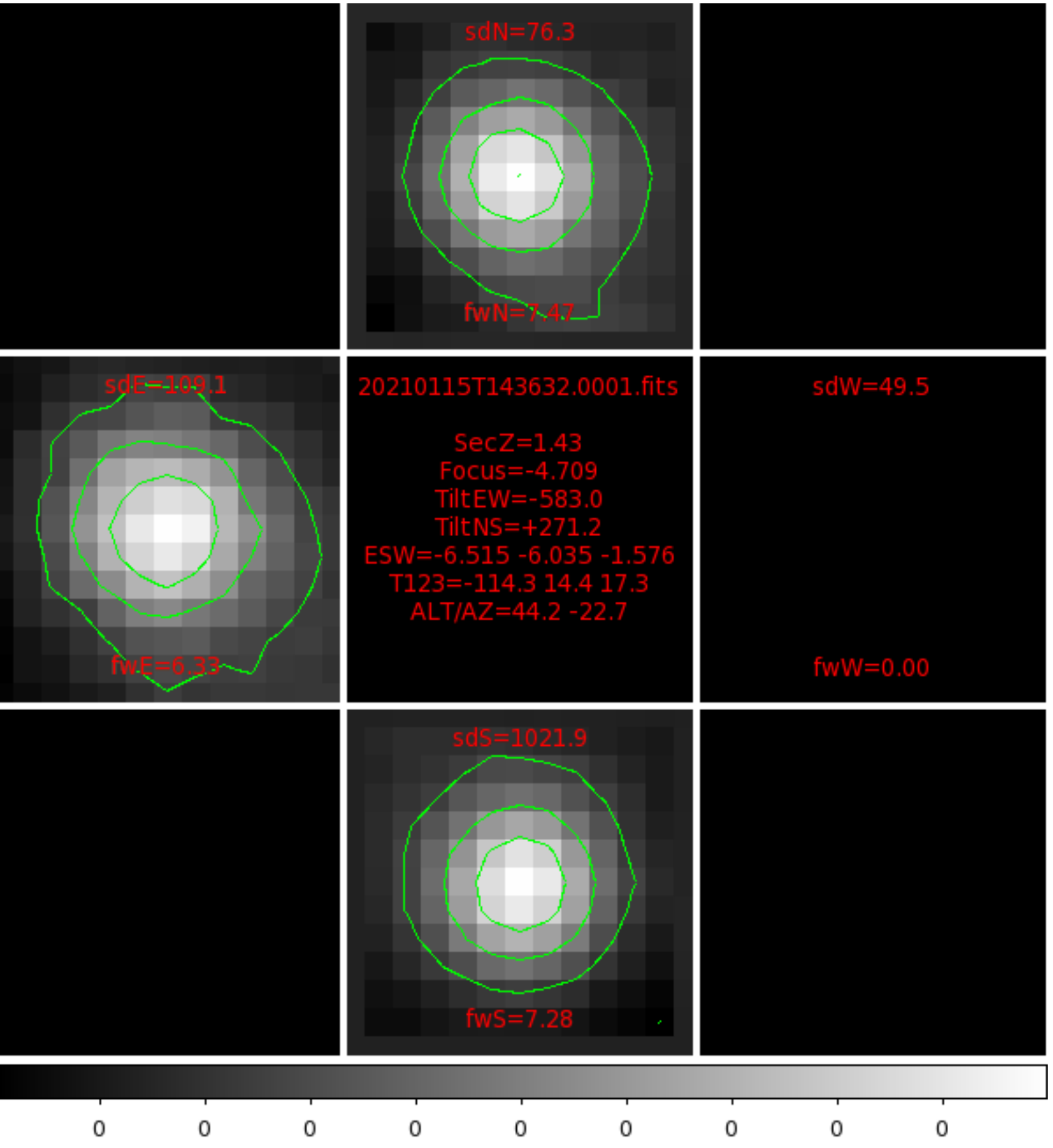
sdN=76.3
fwN=7.47
sdE=-109.1
fwE=6.33
20210115T143632.0001.fits
SecZ=1.43
Focus=-4.709
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.515 -6.035 -1.576
T123=-114.3 14.4 17.3
ALT/AZ=44.2 -22.7
sdW=49.5
fwW=0.00
sdS=1021.9
fwS=7.28
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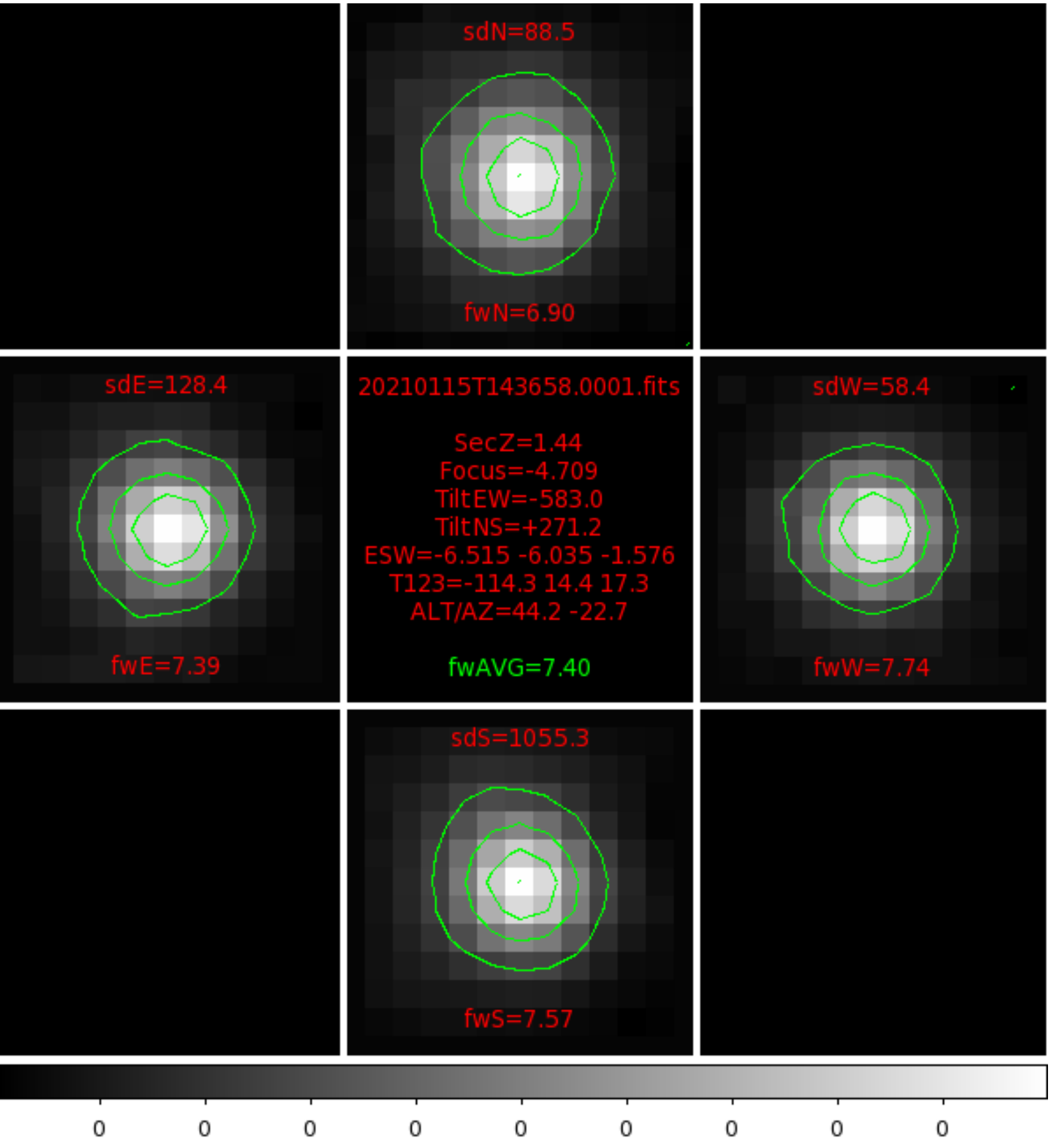
sdN=88.5
fwN=6.90
sdE=128.4
fwE=7.39
20210115T143658.0001.fits
SecZ=1.44
Focus=-4.709
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.515 -6.035 -1.576
T123=-114.3 14.4 17.3
ALT/AZ=44.2 -22.7
fwAVG=7.40
sdW=58.4
fwW=7.74
sdS=1055.3
fwS=7.57
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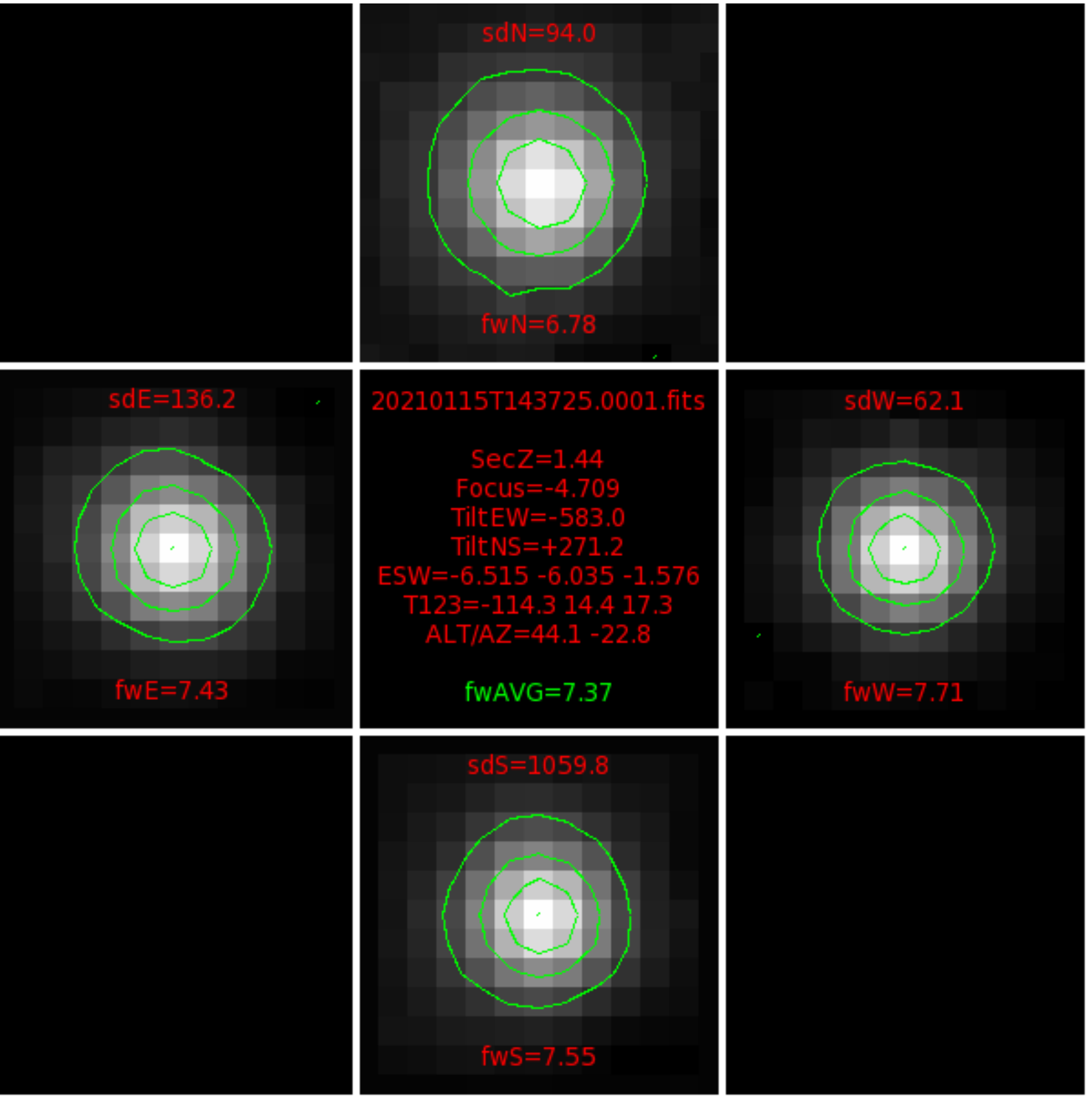
sdN=94.0
fwN=6.78
sdE=136.2
fwE=7.43
20210115T143725.0001.fits
SecZ=1.44
Focus=-4.709
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.515 -6.035 -1.576
T123=-114.3 14.4 17.3
ALT/AZ=44.1 -22.8
fwAVG=7.37
sdW=62.1
fwW=7.71
sdS=1059.8
fwS=7.55
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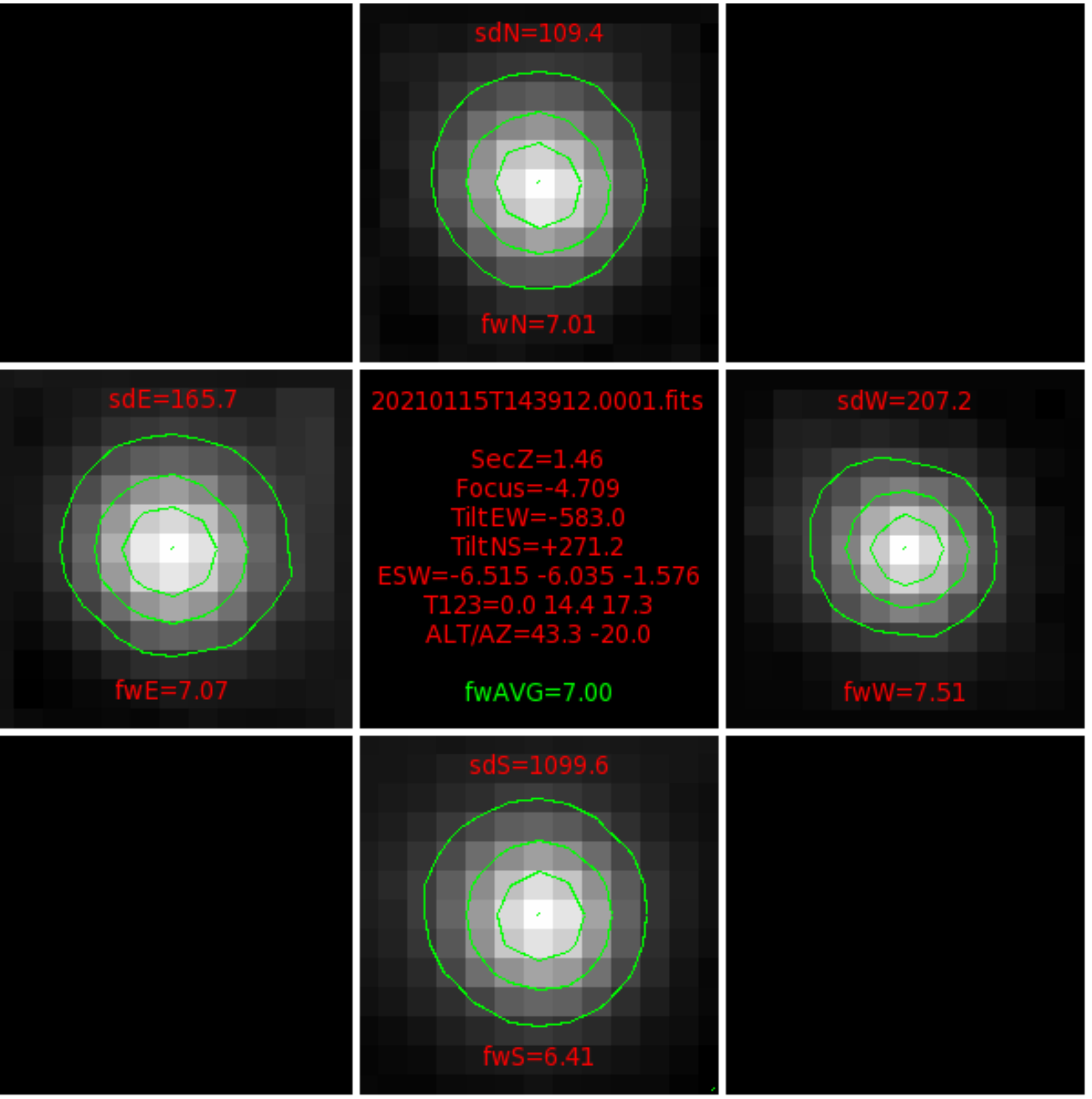
sdN=109.4
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sdE=165.7
fwE=7.07
20210115T143912.0001.fits
SecZ=1.46
Focus=-4.709
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.515 -6.035 -1.576
T123=0.0 14.4 17.3
ALT/AZ=43.3 -20.0
fwAVG=7.00
sdW=207.2
fwW=7.51
sdS=1099.6
fwS=6.41
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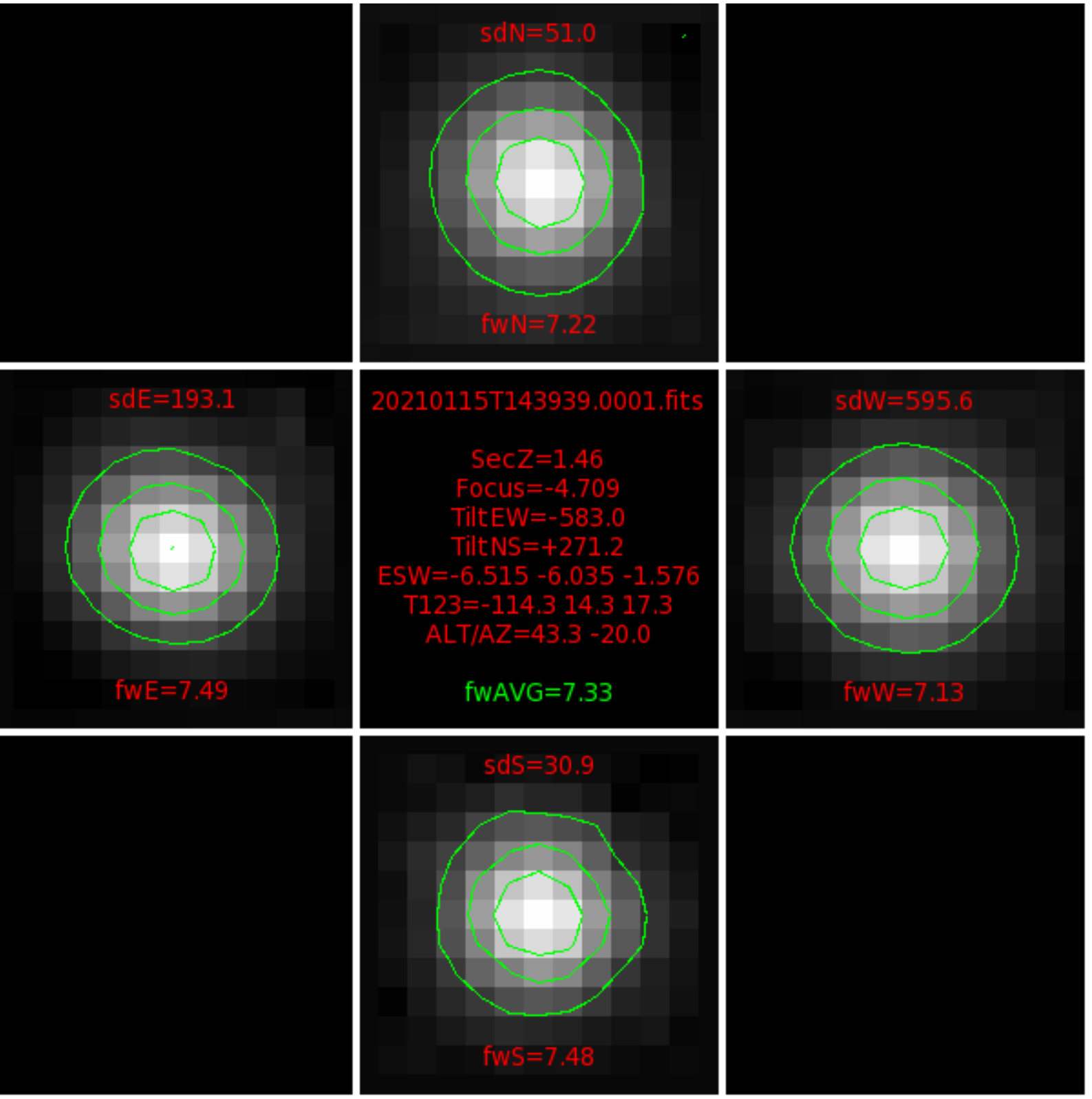
sdN=51.0
fwN=7.22
sdE=193.1
fwE=7.49
20210115T143939.0001.fits
SecZ=1.46
Focus=-4.709
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.515 -6.035 -1.576
T123=-114.3 14.3 17.3
ALT/AZ=43.3 -20.0
fwAVG=7.33
sdW=595.6
fwW=7.13
sdS=30.9
fwS=7.48
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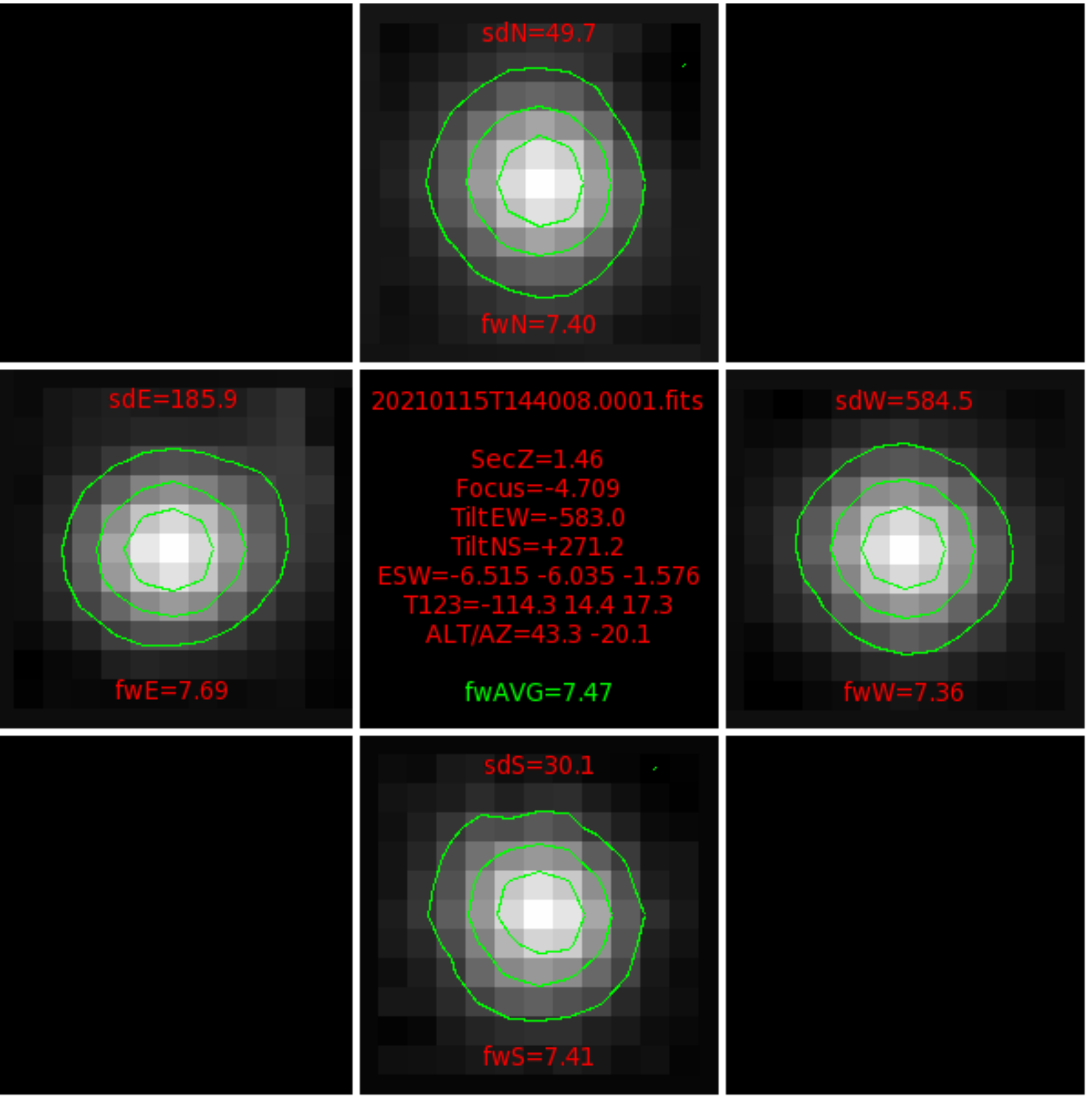
sdN=49.7
fwN=7.40
sdE=185.9
fwE=7.69
20210115T144008.0001.fits
SecZ=1.46
Focus=-4.709
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.515 -6.035 -1.576
T123=-114.3 14.4 17.3
ALT/AZ=43.3 -20.1
fwAVG=7.47
sdW=584.5
fwW=7.36
sdS=30.1
fwS=7.41
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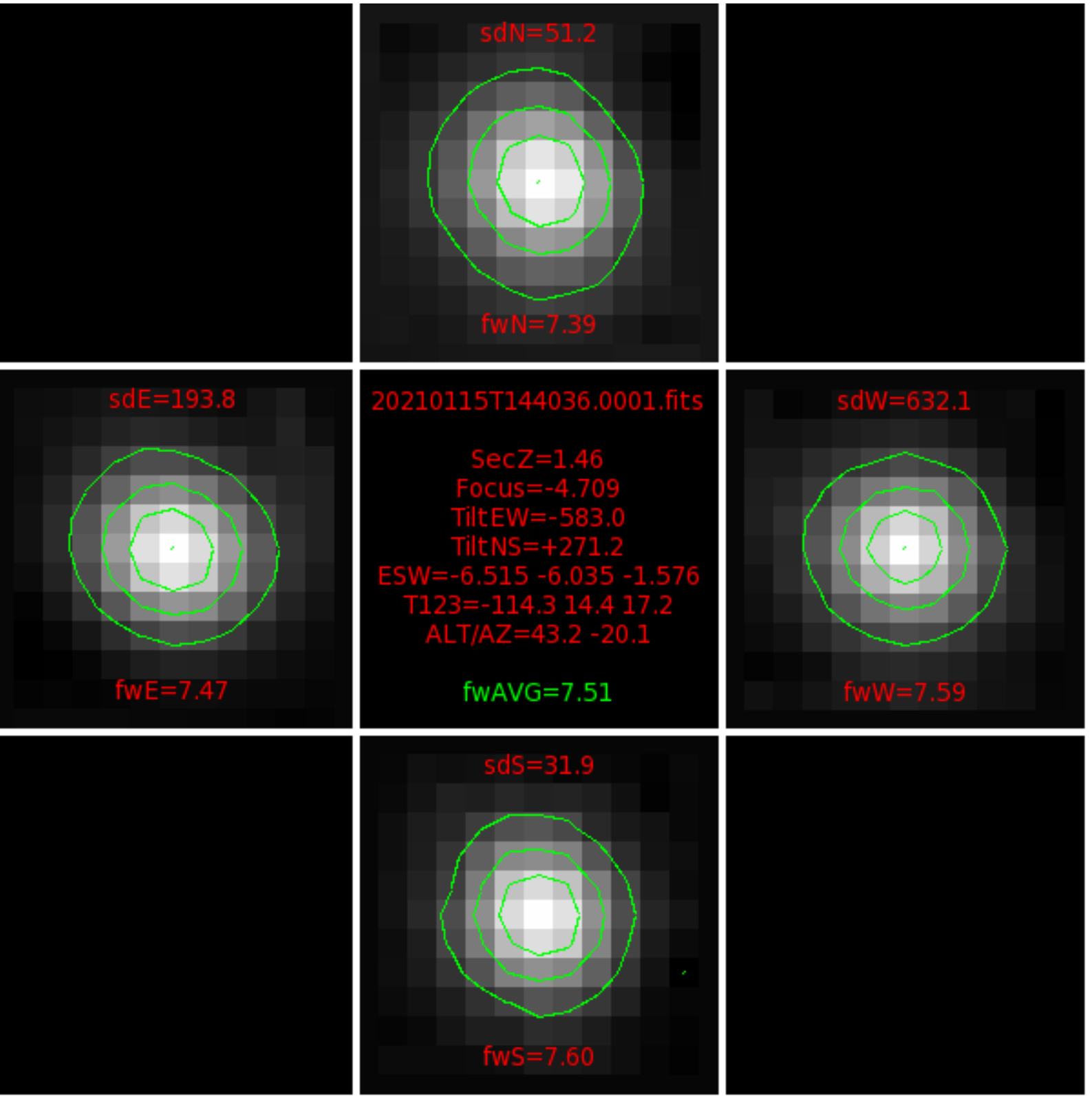
sdN=51.2
fwN=7.39
sdE=193.8
fwE=7.47
20210115T144036.0001.fits
SecZ=1.46
Focus=-4.709
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.515 -6.035 -1.576
T123=-114.3 14.4 17.2
ALT/AZ=43.2 -20.1
fwAVG=7.51
sdW=632.1
fwW=7.59
sdS=31.9
fwS=7.60
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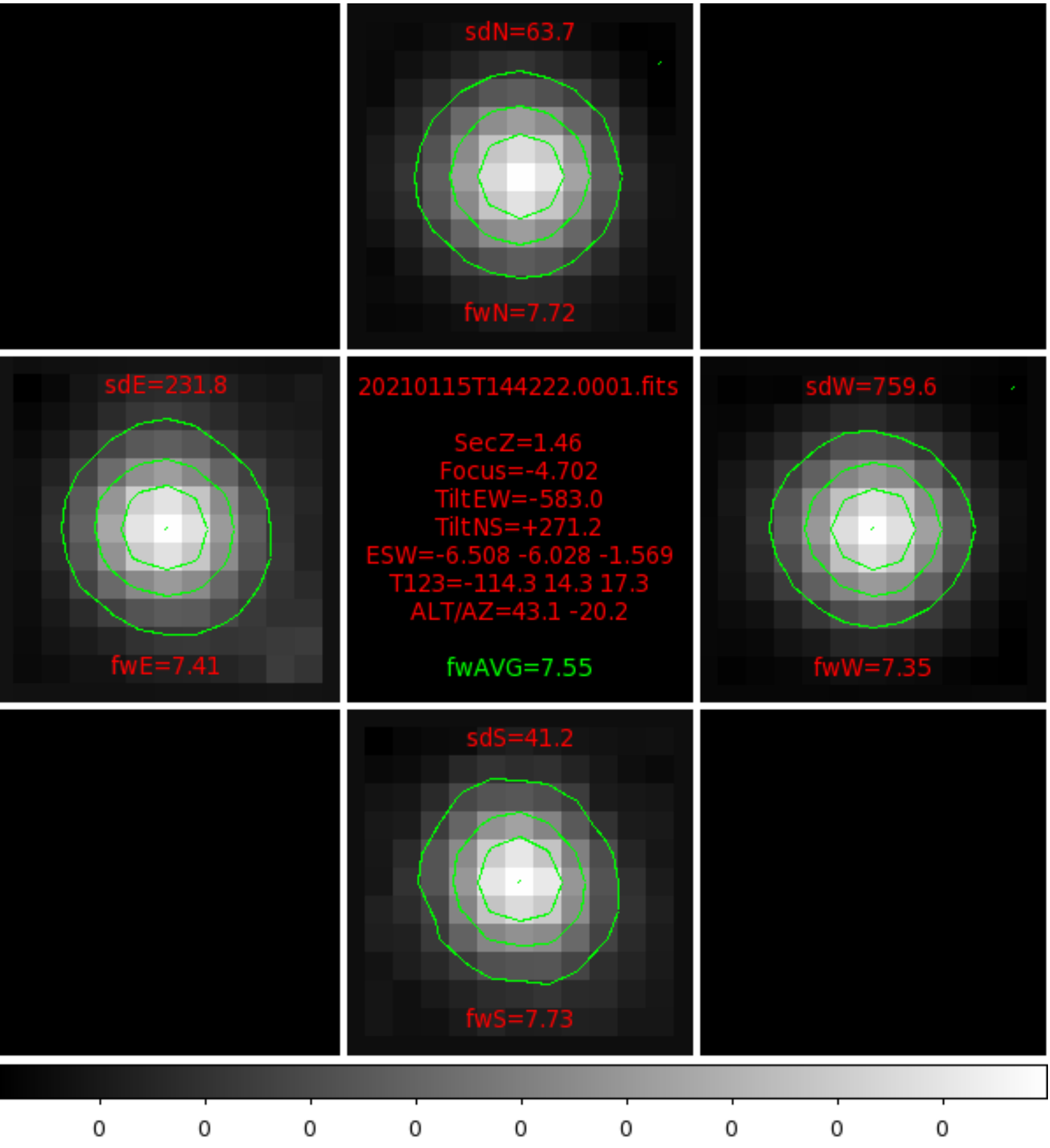
sdN=63.7
fwN=7.72
sdE=231.8
fwE=7.41
20210115T144222.0001.fits
SecZ=1.46
Focus=-4.702
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.508 -6.028 -1.569
T123=-114.3 14.3 17.3
ALT/AZ=43.1 -20.2
fwAVG=7.55
sdW=759.6
fwW=7.35
sdS=41.2
fwS=7.73
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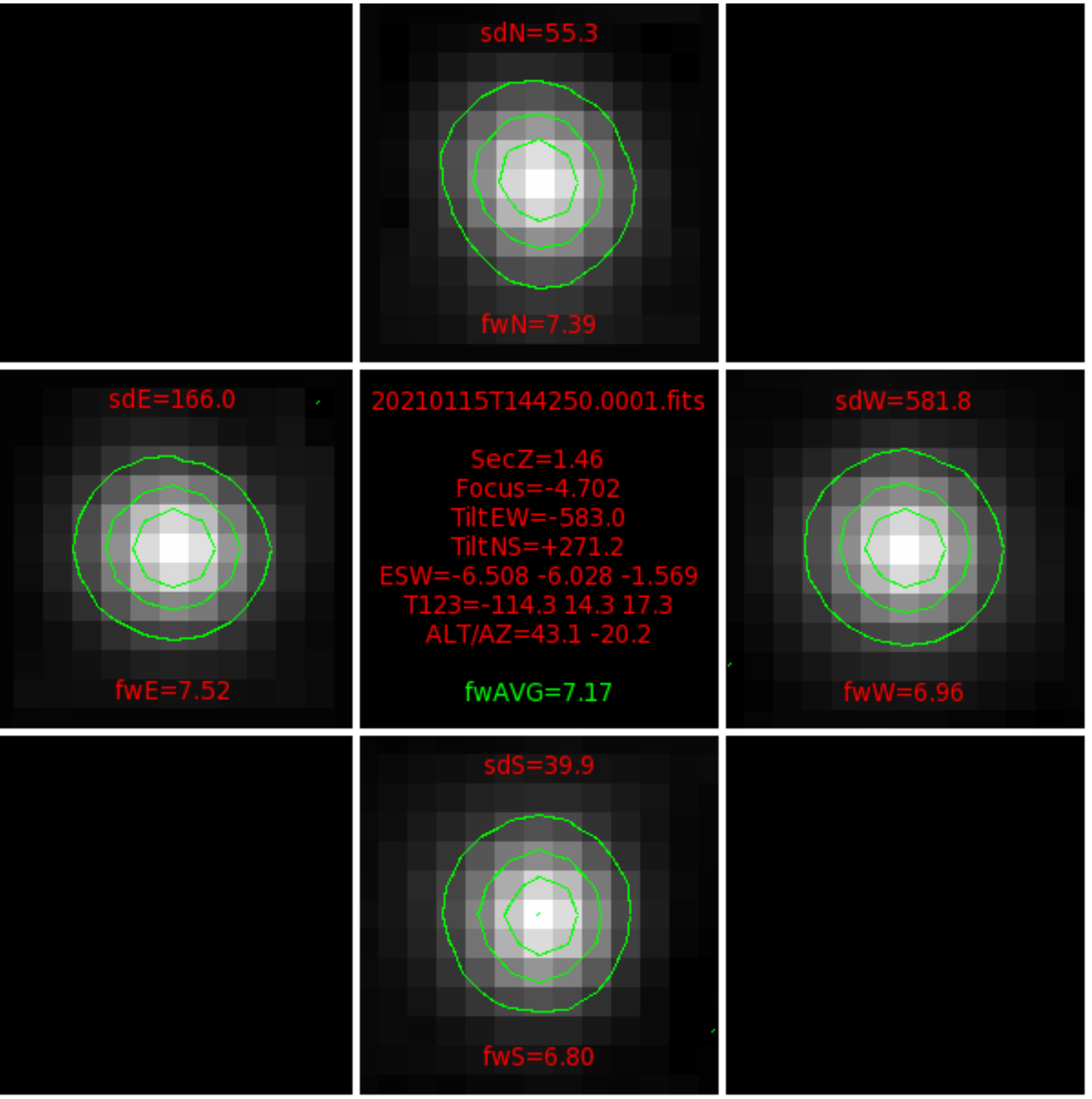
sdN=55.3
fwN=7.39
sdE=166.0
fwE=7.52
20210115T144250.0001.fits
SecZ=1.46
Focus=-4.702
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.508 -6.028 -1.569
T123=-114.3 14.3 17.3
ALT/AZ=43.1 -20.2
fwAVG=7.17
sdW=581.8
fwW=6.96
sdS=39.9
fwS=6.80
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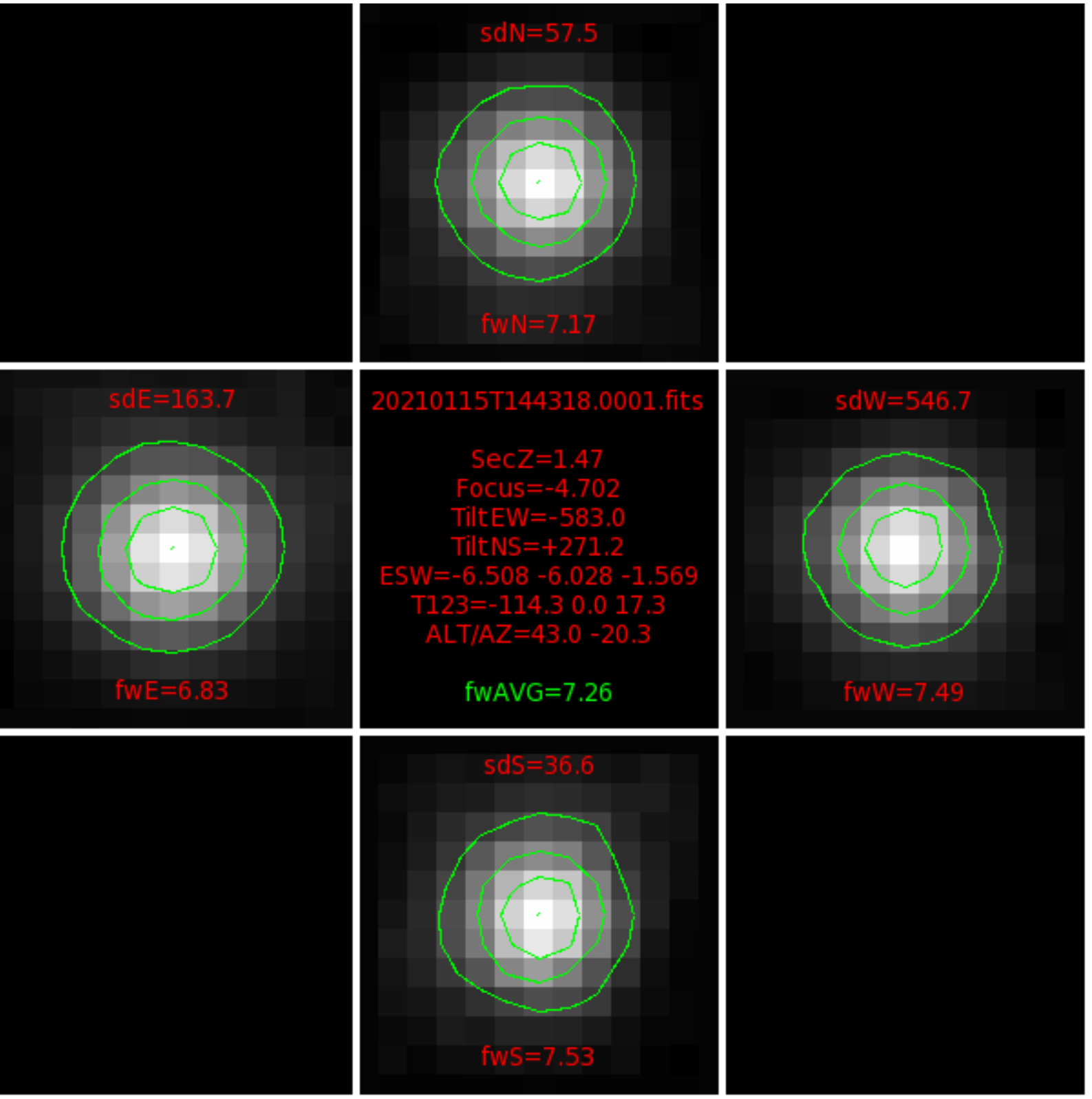
sdN=57.5
fwN=7.17
sdE=163.7
fwE=6.83
20210115T144318.0001.fits
SecZ=1.47
Focus=-4.702
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.508 -6.028 -1.569
T123=-114.3 0.0 17.3
ALT/AZ=43.0 -20.3
fwAVG=7.26
sdW=546.7
fwW=7.49
sdS=36.6
fwS=7.53
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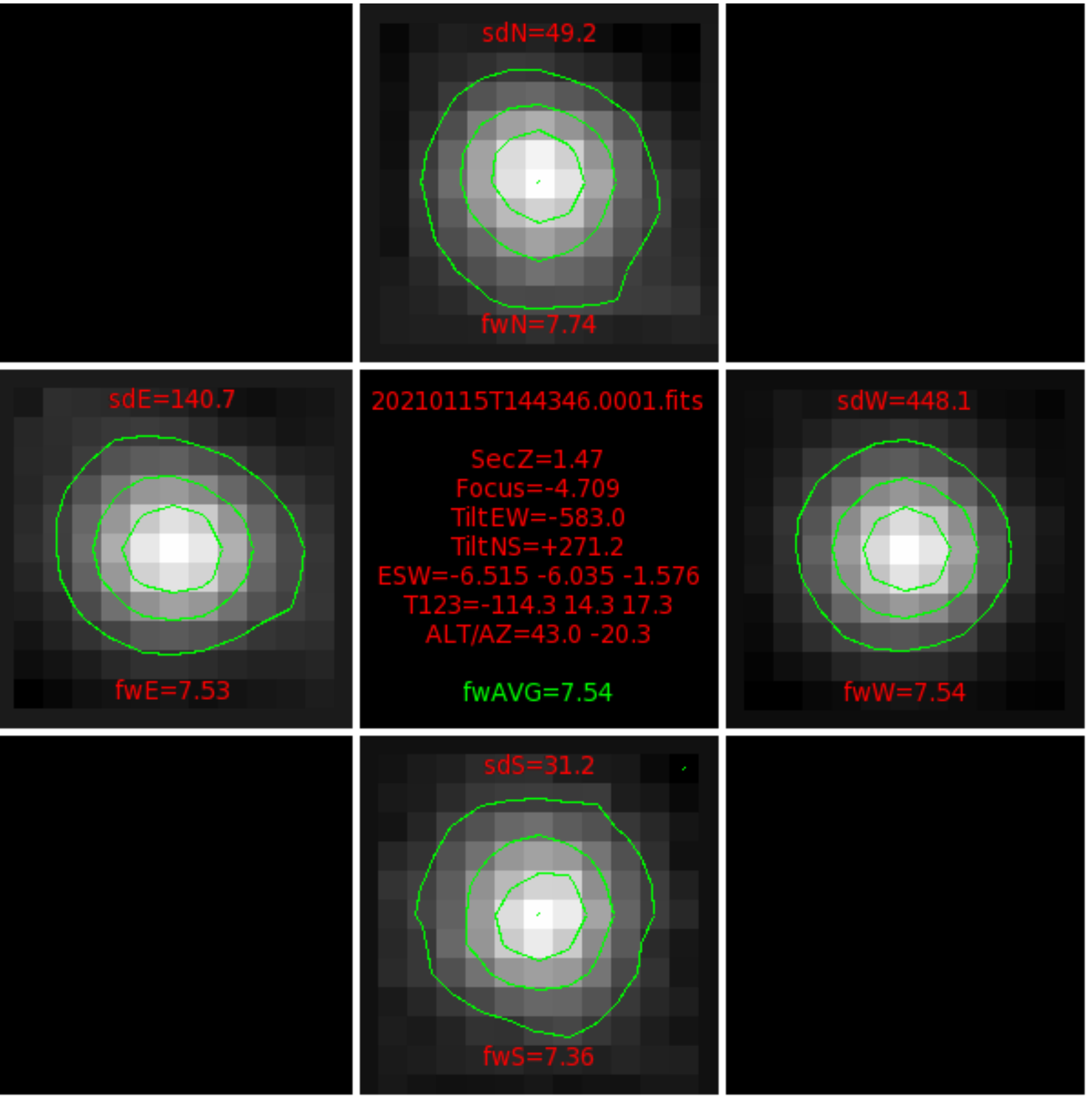
sdN=49.2
fwN=7.74
sdE=140.7
fwE=7.53
20210115T144346.0001.fits
SecZ=1.47
Focus=-4.709
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.515 -6.035 -1.576
T123=-114.3 14.3 17.3
ALT/AZ=43.0 -20.3
fwAVG=7.54
sdW=448.1
fwW=7.54
sdS=31.2
fwS=7.36
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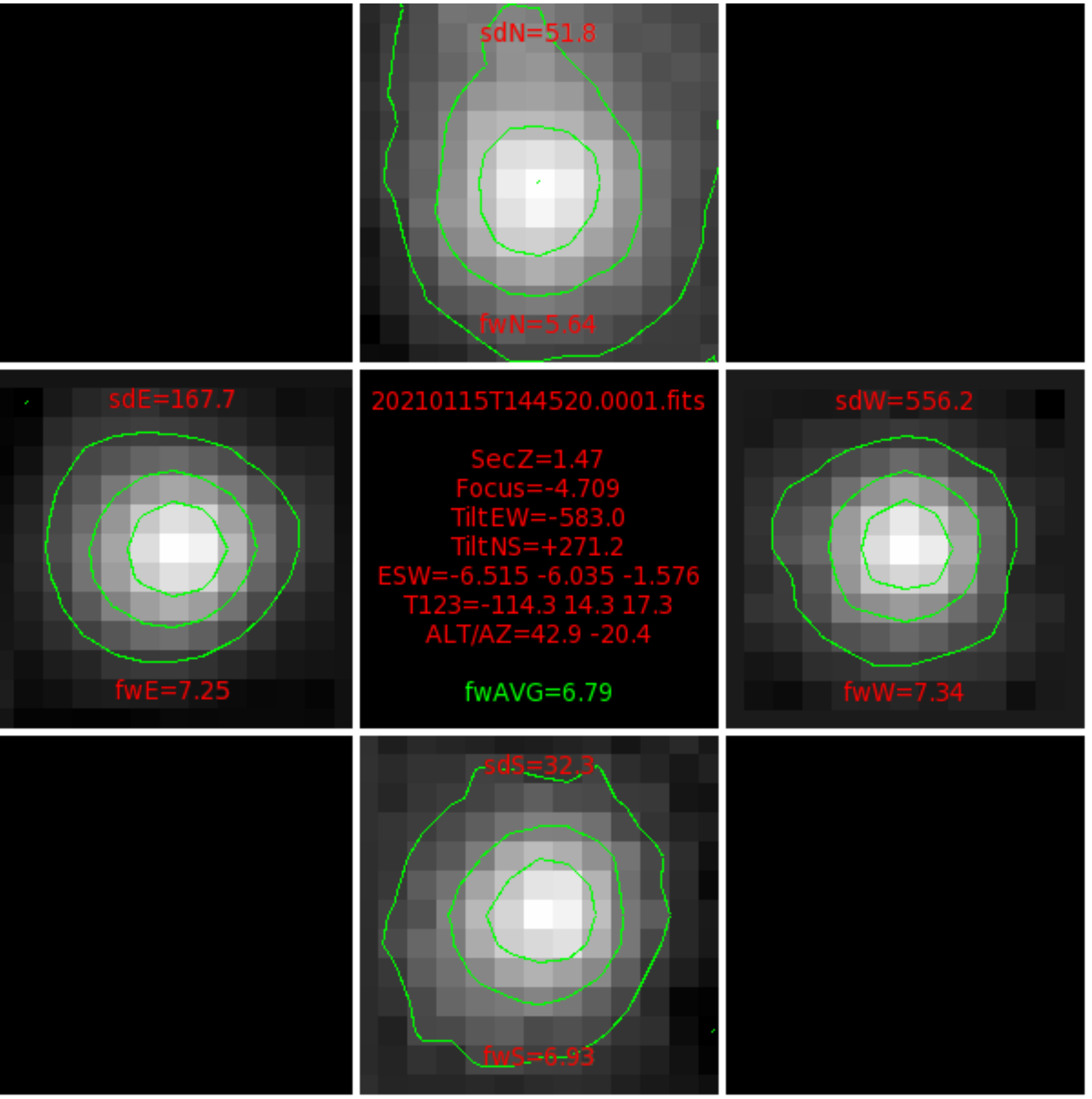
sdN=51.8
fwN=5.64
sdE=167.7
fwE=7.25
20210115T144520.0001.fits
SecZ=1.47
Focus=-4.709
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.515 -6.035 -1.576
T123=-114.3 14.3 17.3
ALT/AZ=42.9 -20.4
fwAVG=6.79
sdW=556.2
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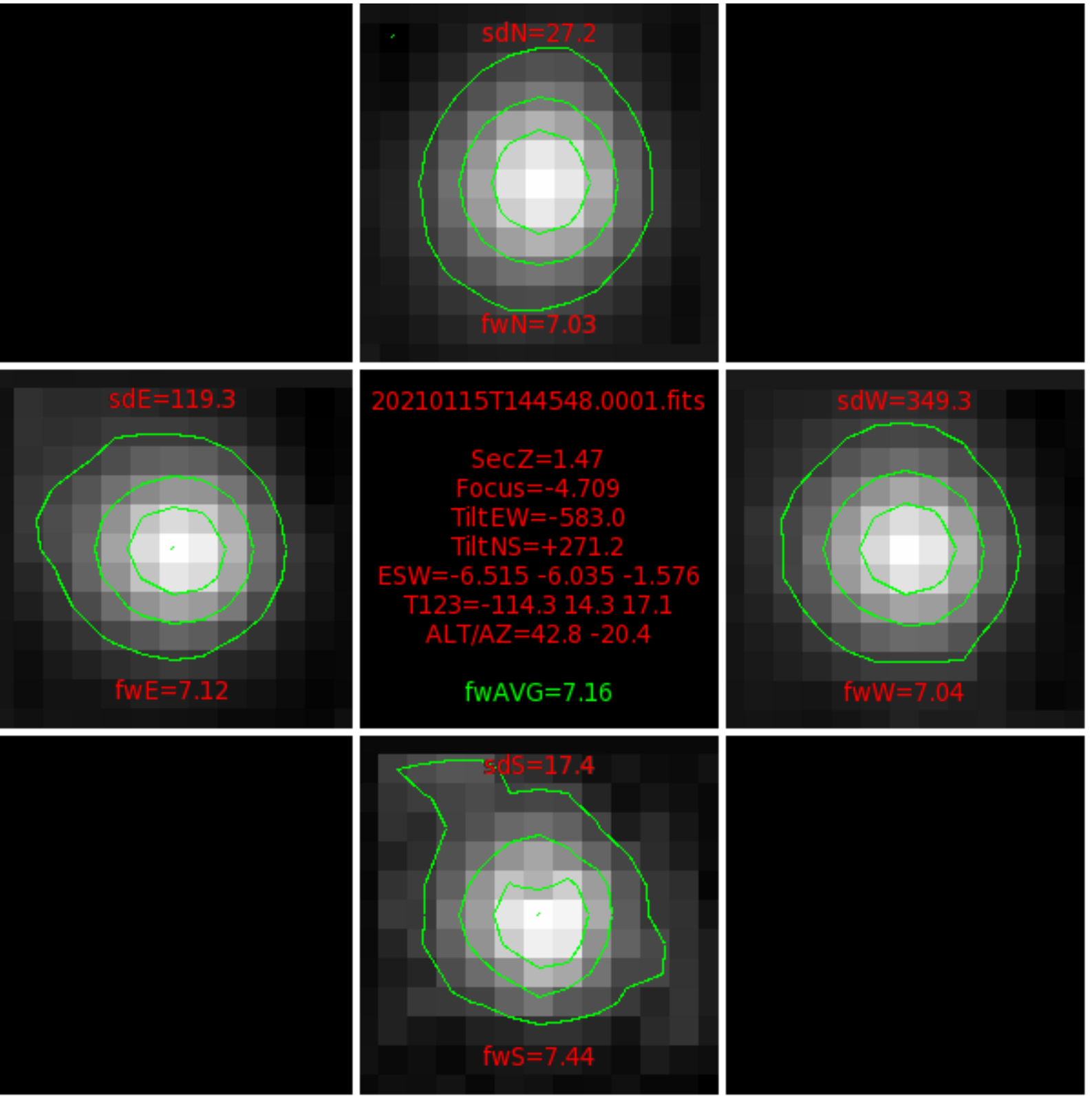
sdN=27.2
fwN=7.03
sdE=119.3
fwE=7.12
20210115T144548.0001.fits
SecZ=1.47
Focus=-4.709
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.515 -6.035 -1.576
T123=-114.3 14.3 17.1
ALT/AZ=42.8 -20.4
fwAVG=7.16
sdW=349.3
fwW=7.04
sdS=17.4
fwS=7.44
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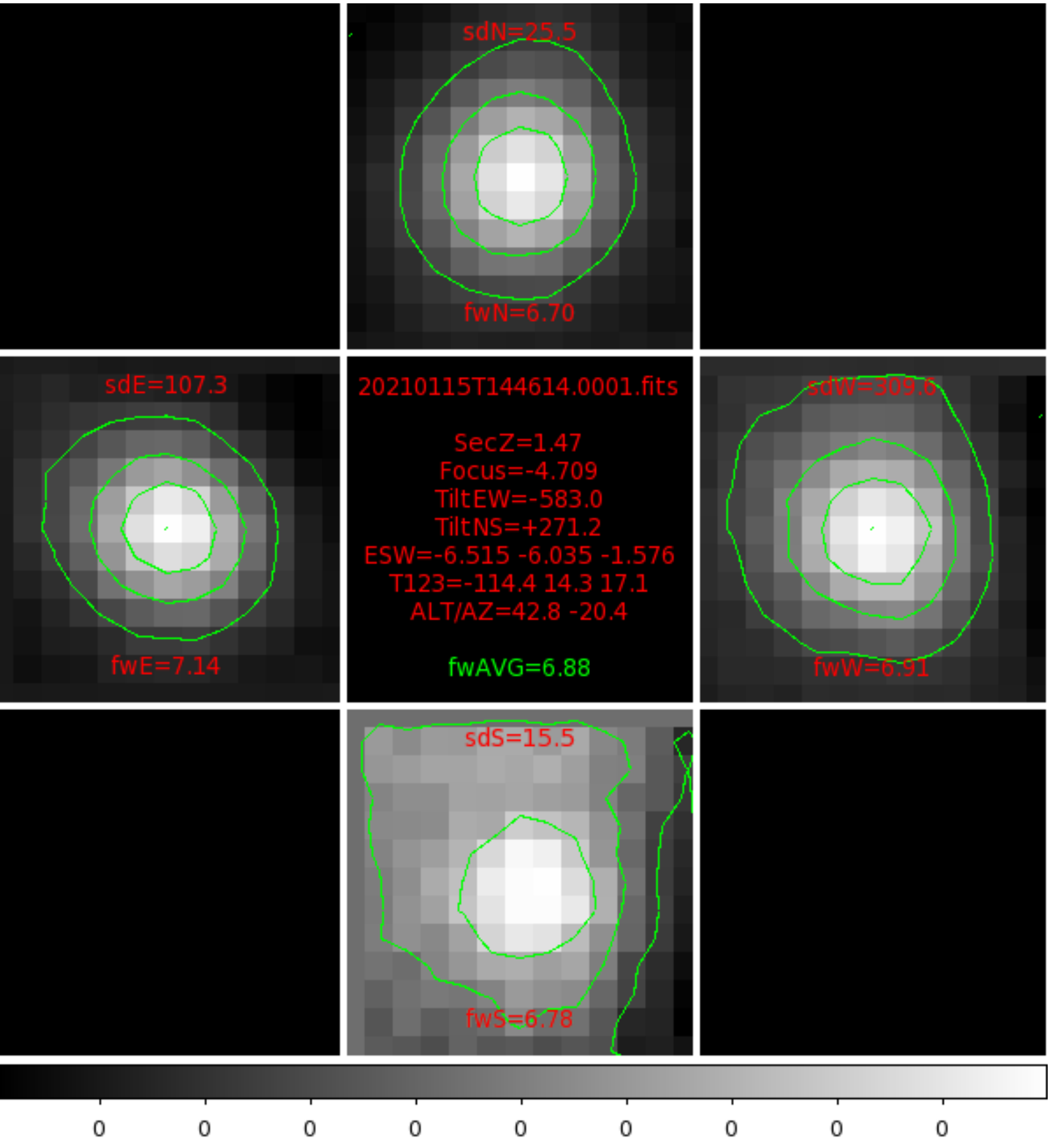
sdN=25.5
fwN=6.70
sdE=107.3
fwE=7.14
20210115T144614.0001.fits
SecZ=1.47
Focus=-4.709
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.515 -6.035 -1.576
T123=-114.4 14.3 17.1
ALT/AZ=42.8 -20.4
fwAVG=6.88
sdW=309.6
fwW=6.91
sdS=15.5
fwS=6.78
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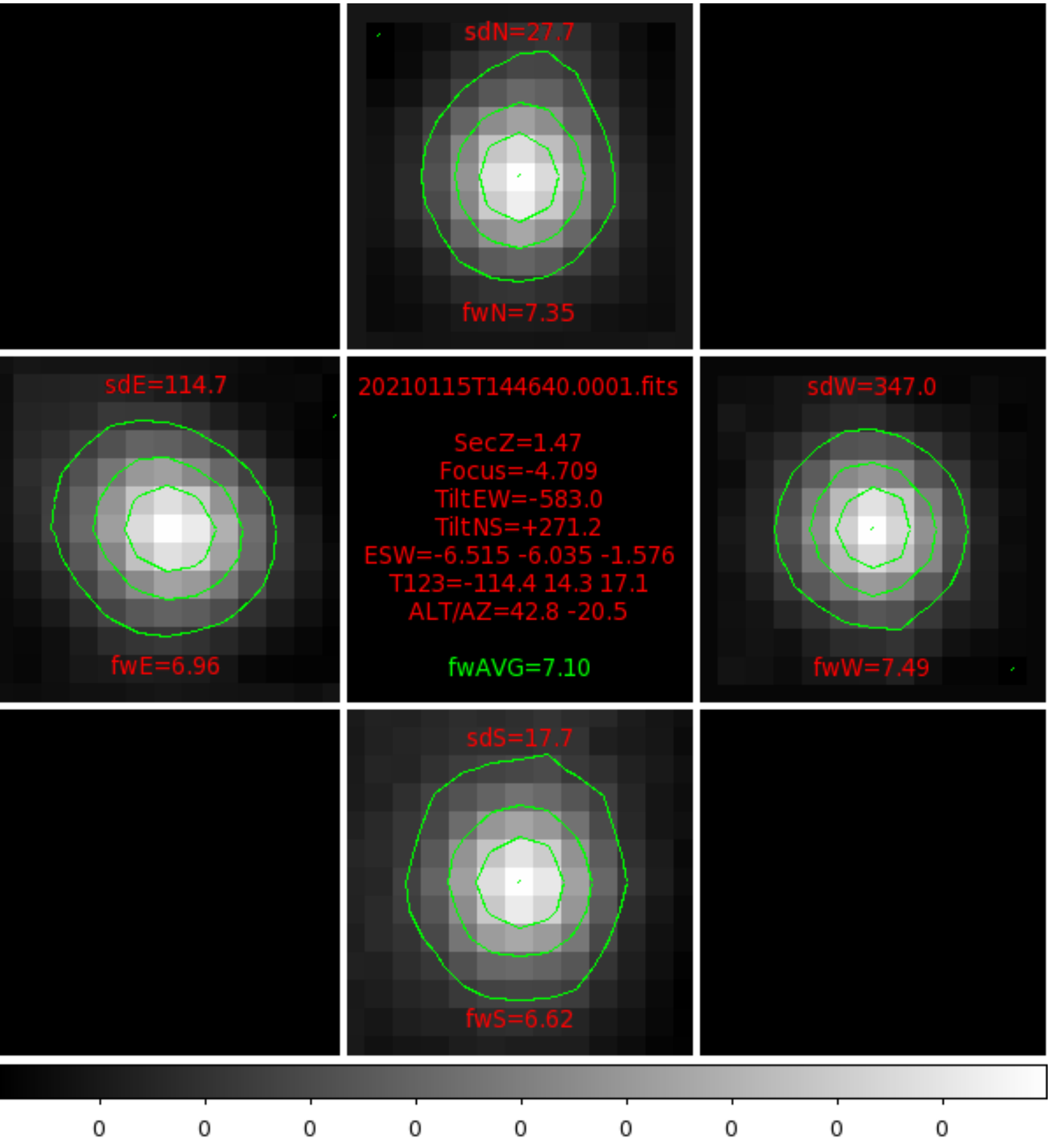
sdN=27.7
fwN=7.35
sdE=114.7
fwE=6.96
20210115T144640.0001.fits
SecZ=1.47
Focus=-4.709
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.515 -6.035 -1.576
T123=-114.4 14.3 17.1
ALT/AZ=42.8 -20.5
fwAVG=7.10
sdW=347.0
fwW=7.49
sdS=17.7
fwS=6.62
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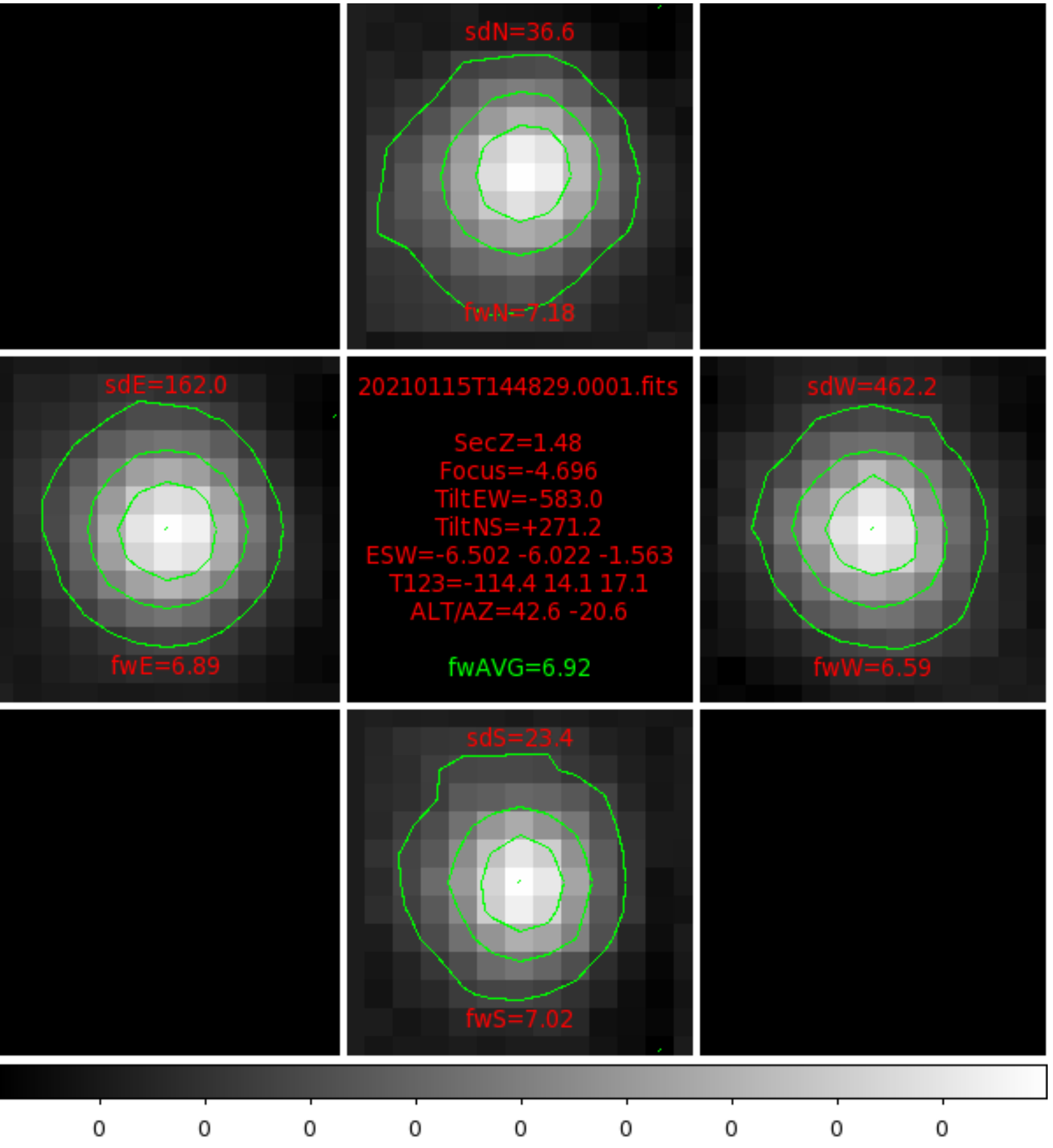
sdN=36.6
fwN=7.18
sdE=162.0
fwE=6.89
20210115T144829.0001.fits
SecZ=1.48
Focus=-4.696
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.502 -6.022 -1.563
T123=-114.4 14.1 17.1
ALT/AZ=42.6 -20.6
fwAVG=6.92
sdW=462.2
fwW=6.59
sdS=23.4
fwS=7.02
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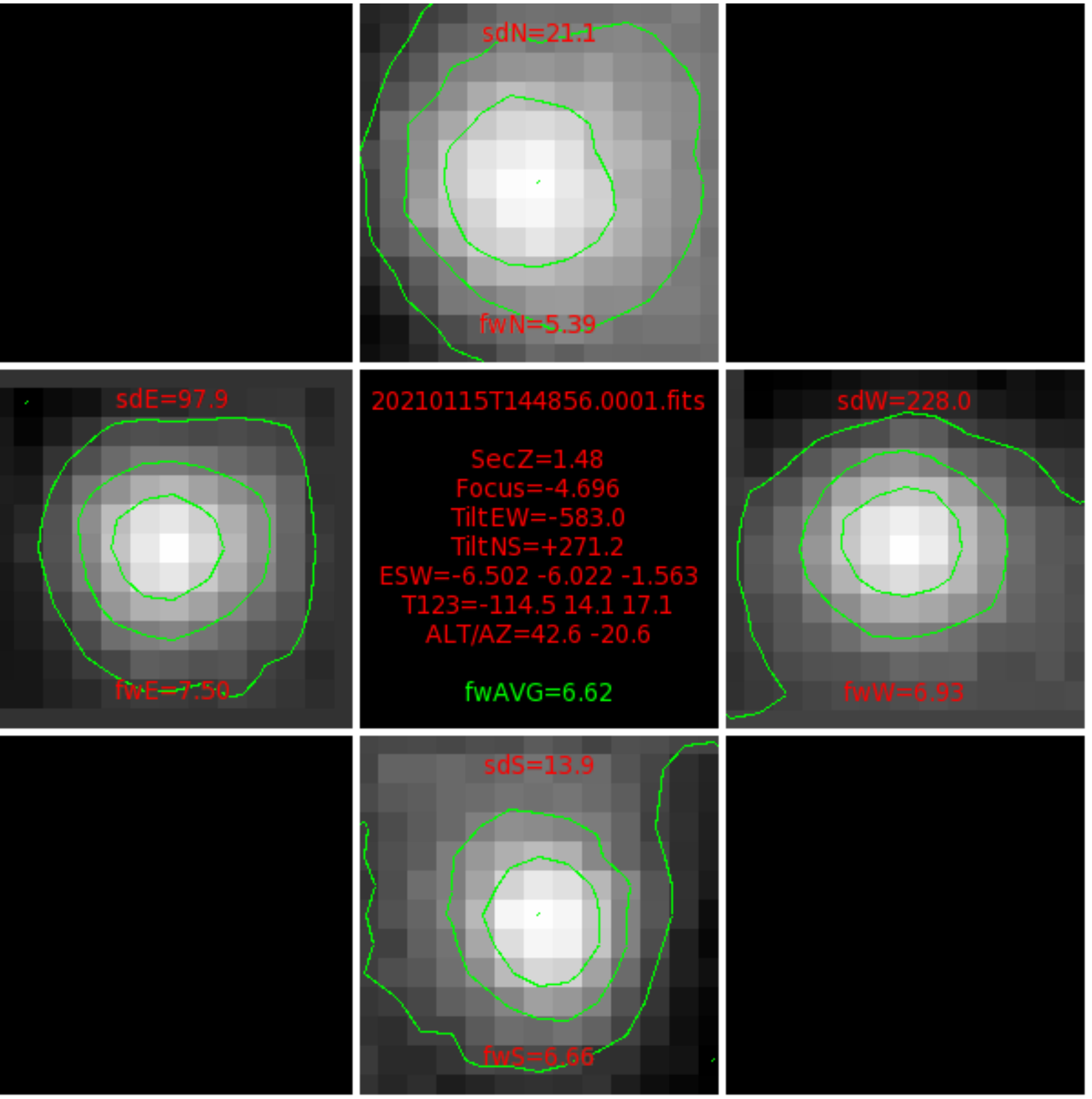
sdN=21.1
fwN=5.39
sdE=97.9
fwE=7.50
20210115T144856.0001.fits
SecZ=1.48
Focus=-4.696
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.502 -6.022 -1.563
T123=-114.5 14.1 17.1
ALT/AZ=42.6 -20.6
fwAVG=6.62
sdW=228.0
fwW=6.93
sdS=13.9
fwS=6.66
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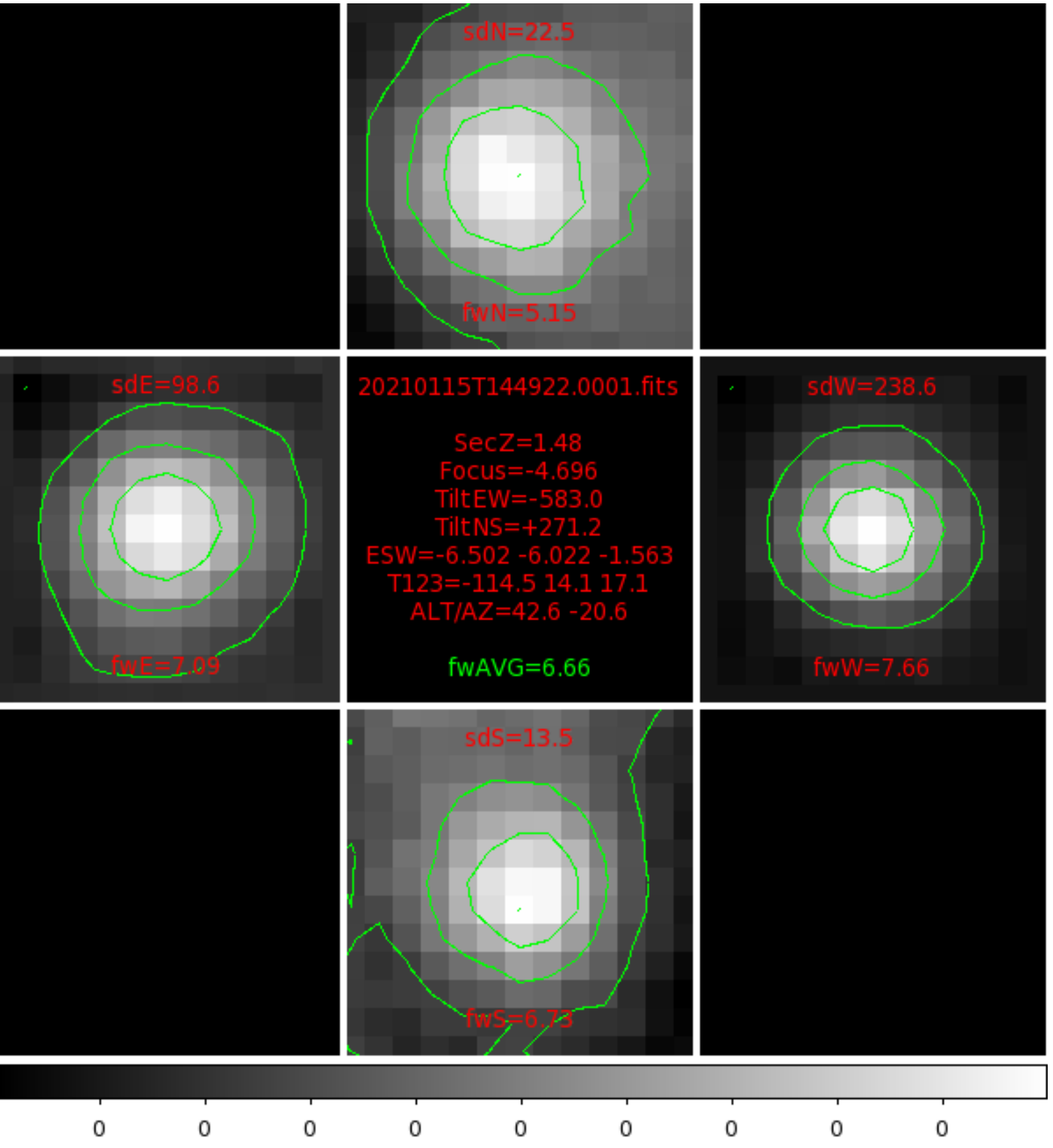
sdN=22.5
fwN=5.15
sdE=98.6
fwE=7.09
20210115T144922.0001.fits
SecZ=1.48
Focus=-4.696
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.502 -6.022 -1.563
T123=-114.5 14.1 17.1
ALT/AZ=42.6 -20.6
fwAVG=6.66
sdW=238.6
fwW=7.66
sdS=13.5
fwS=6.73
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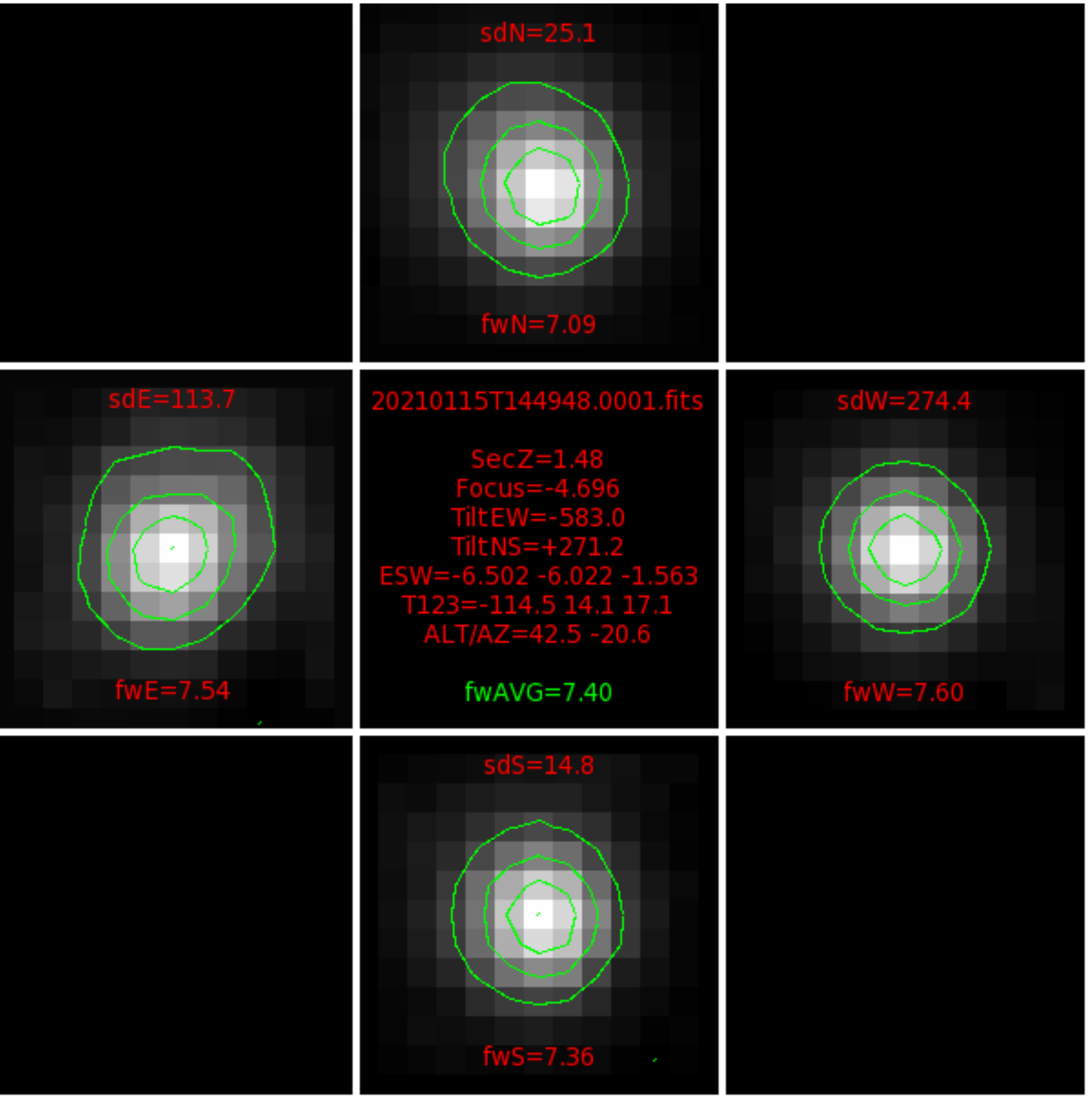
sdN=25.1
fwN=7.09
sdE=113.7
fwE=7.54
20210115T144948.0001.fits
SecZ=1.48
Focus=-4.696
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.502 -6.022 -1.563
T123=-114.5 14.1 17.1
ALT/AZ=42.5 -20.6
fwAVG=7.40
sdW=274.4
fwW=7.60
sdS=14.8
fwS=7.36
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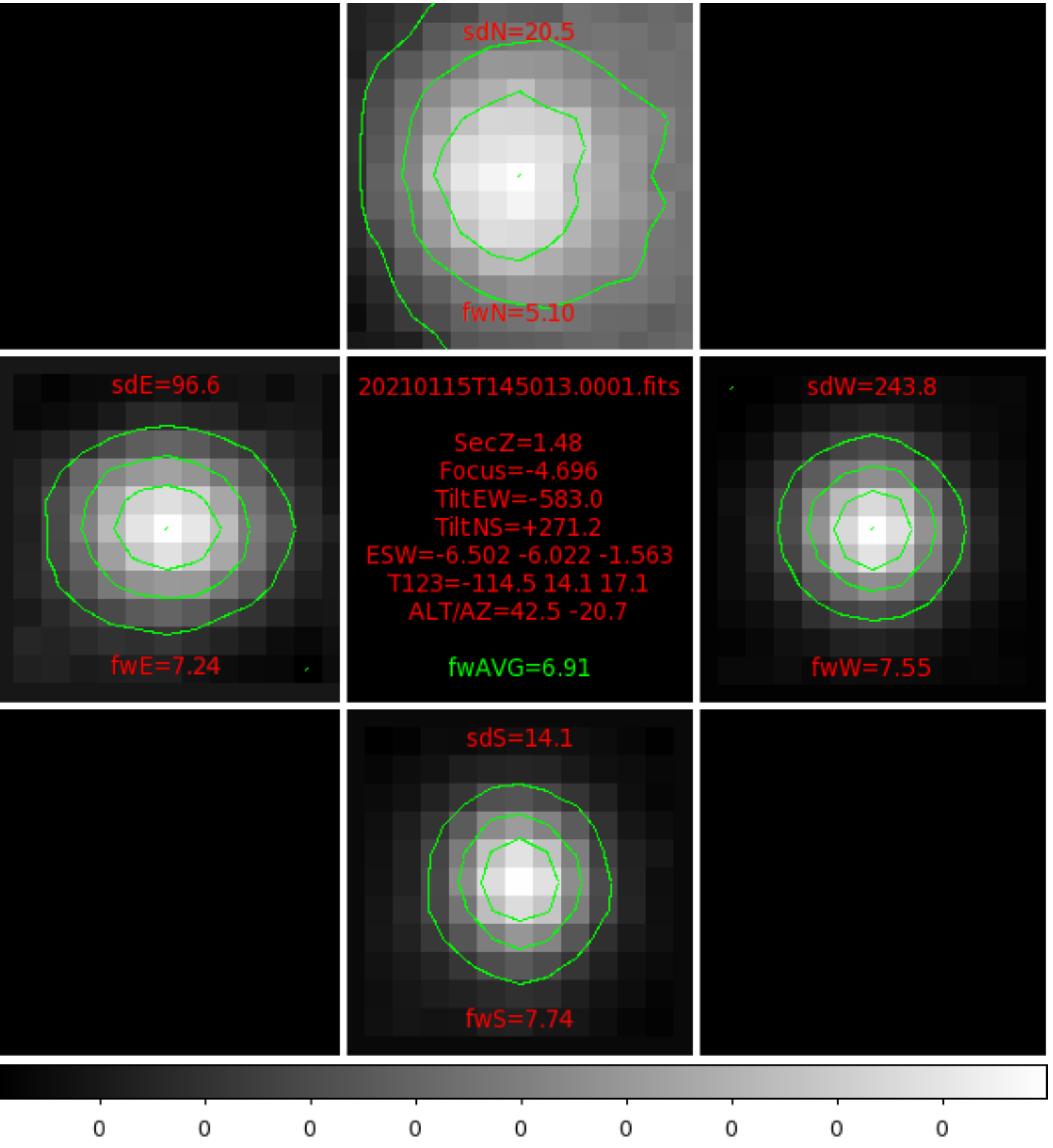
sdN=20.5
fwN=5.10
sdE=96.6
fwE=7.24
20210115T145013.0001.fits
SecZ=1.48
Focus=-4.696
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.502 -6.022 -1.563
T123=-114.5 14.1 17.1
ALT/AZ=42.5 -20.7
fwAVG=6.91
sdW=243.8
fwW=7.55
sdS=14.1
fwS=7.74
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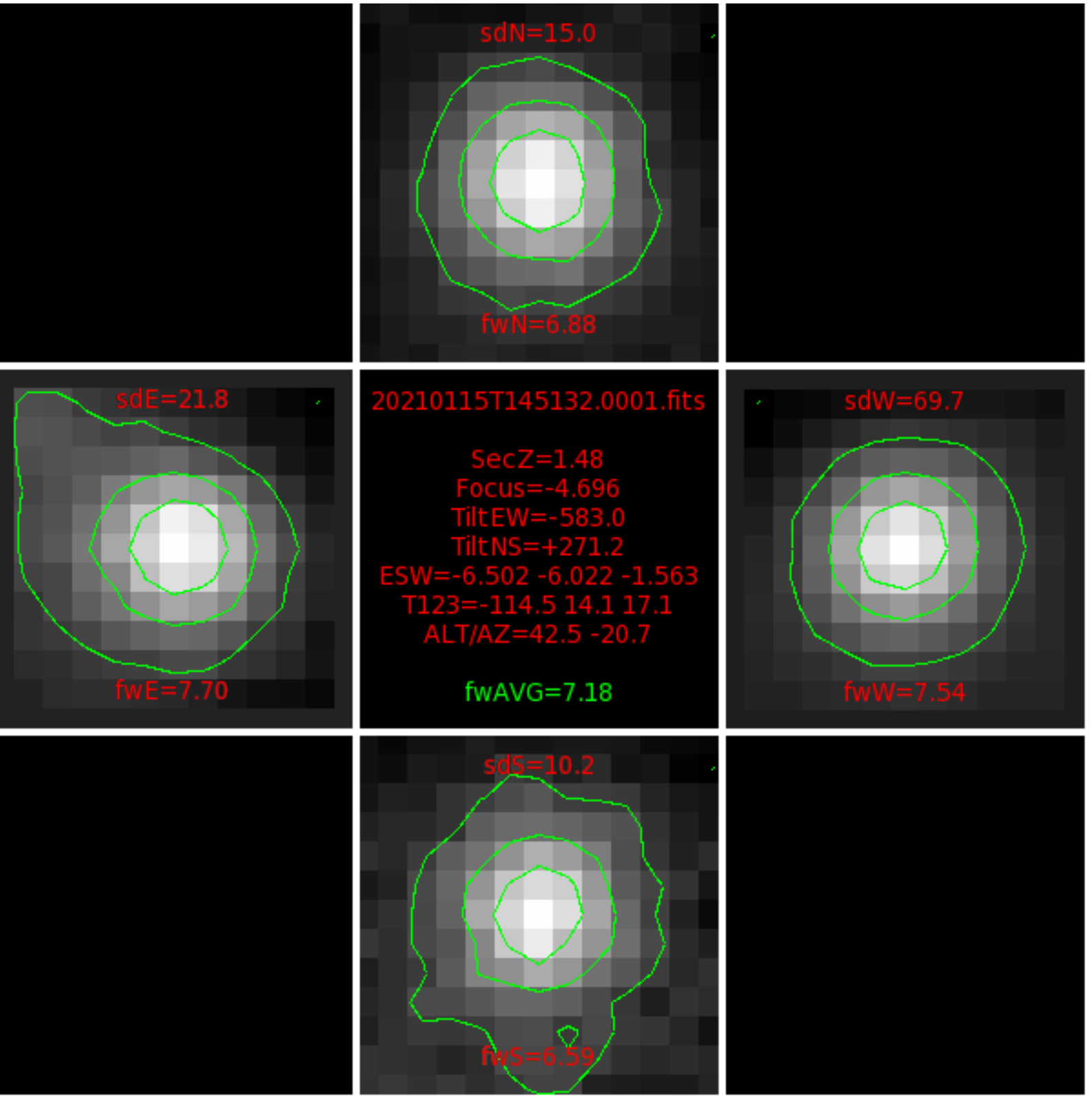
sdN=15.0
fwN=6.88
sdE=21.8
fwE=7.70
20210115T145132.0001.fits
SecZ=1.48
Focus=-4.696
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.502 -6.022 -1.563
T123=-114.5 14.1 17.1
ALT/AZ=42.5 -20.7
fwAVG=7.18
sdW=69.7
fwW=7.54
sdS=10.2
fwS=6.59
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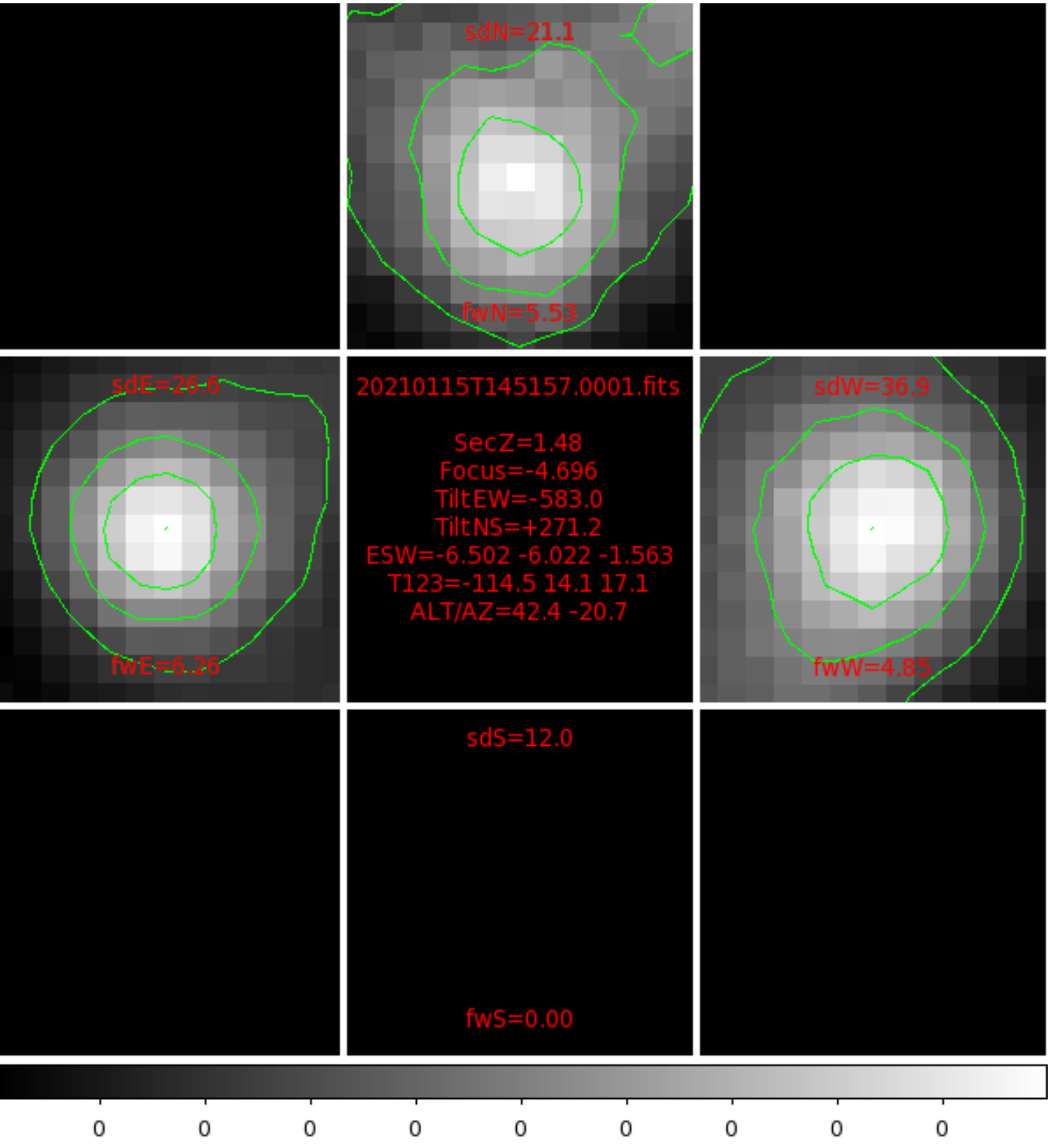
sdN=21.1
fwN=5.53
sdE=26.6
fwE=6.26
20210115T145157.0001.fits
SecZ=1.48
Focus=-4.696
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.502 -6.022 -1.563
T123=-114.5 14.1 17.1
ALT/AZ=42.4 -20.7
sdW=36.9
fwW=4.85
sdS=12.0
fwS=0.00
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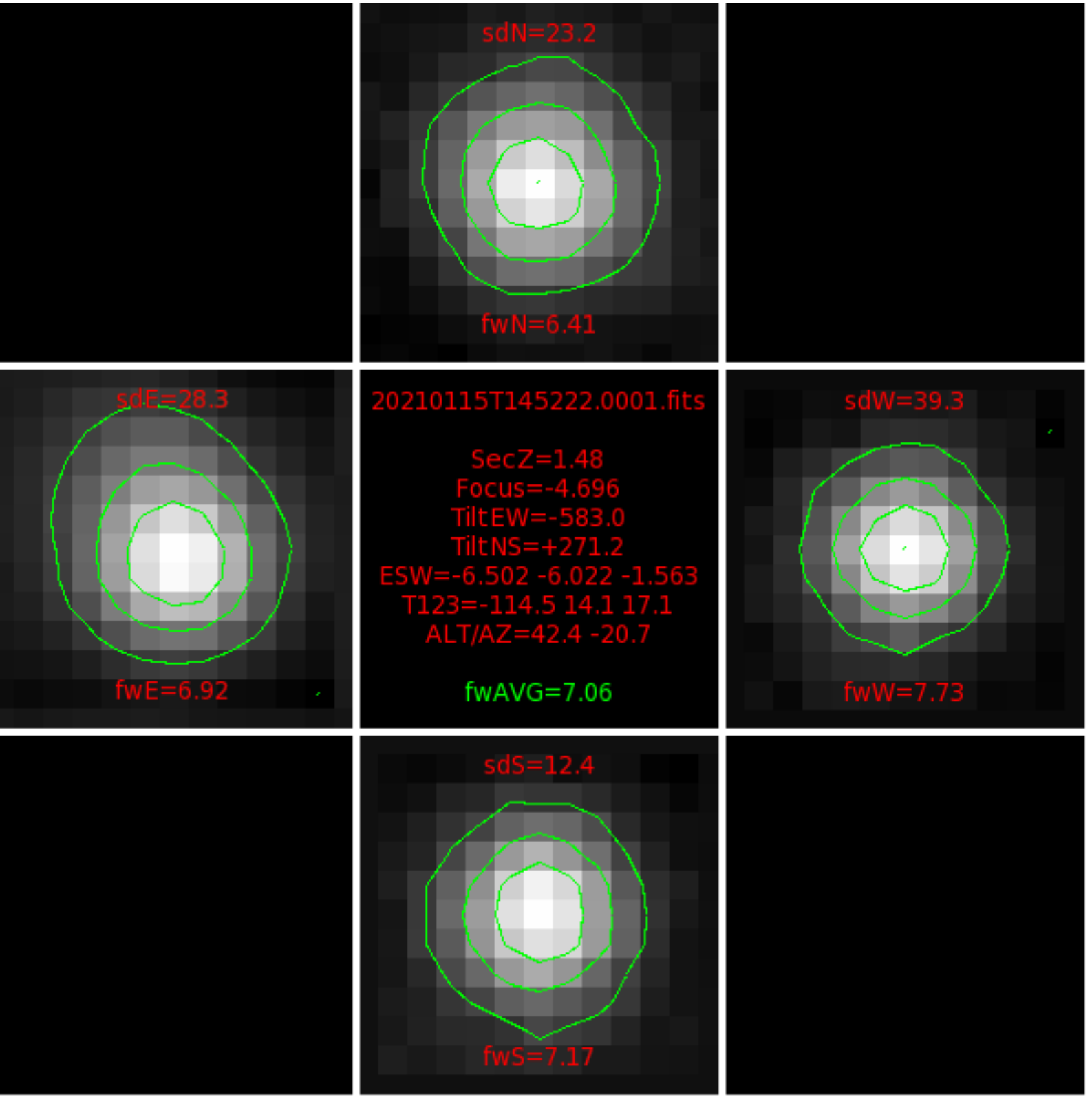
sdN=23.2
fwN=6.41
sdE=28.3
fwE=6.92
20210115T145222.0001.fits
SecZ=1.48
Focus=-4.696
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.502 -6.022 -1.563
T123=-114.5 14.1 17.1
ALT/AZ=42.4 -20.7
fwAVG=7.06
sdW=39.3
fwW=7.73
sdS=12.4
fwS=7.17
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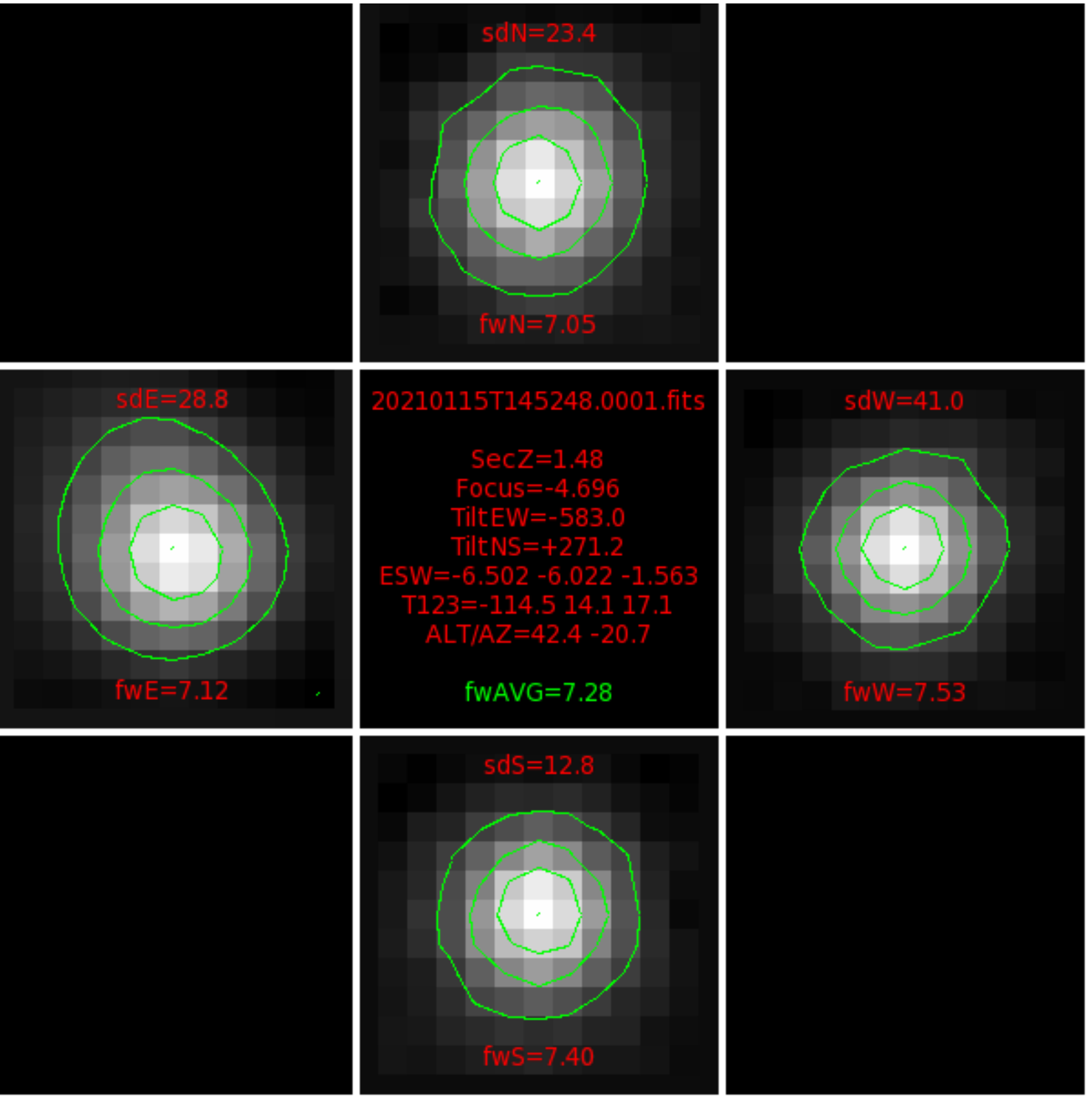
sdN=23.4
fwN=7.05
sdE=28.8
fwE=7.12
20210115T145248.0001.fits
SecZ=1.48
Focus=-4.696
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.502 -6.022 -1.563
T123=-114.5 14.1 17.1
ALT/AZ=42.4 -20.7
fwAVG=7.28
sdW=41.0
fwW=7.53
sdS=12.8
fwS=7.40
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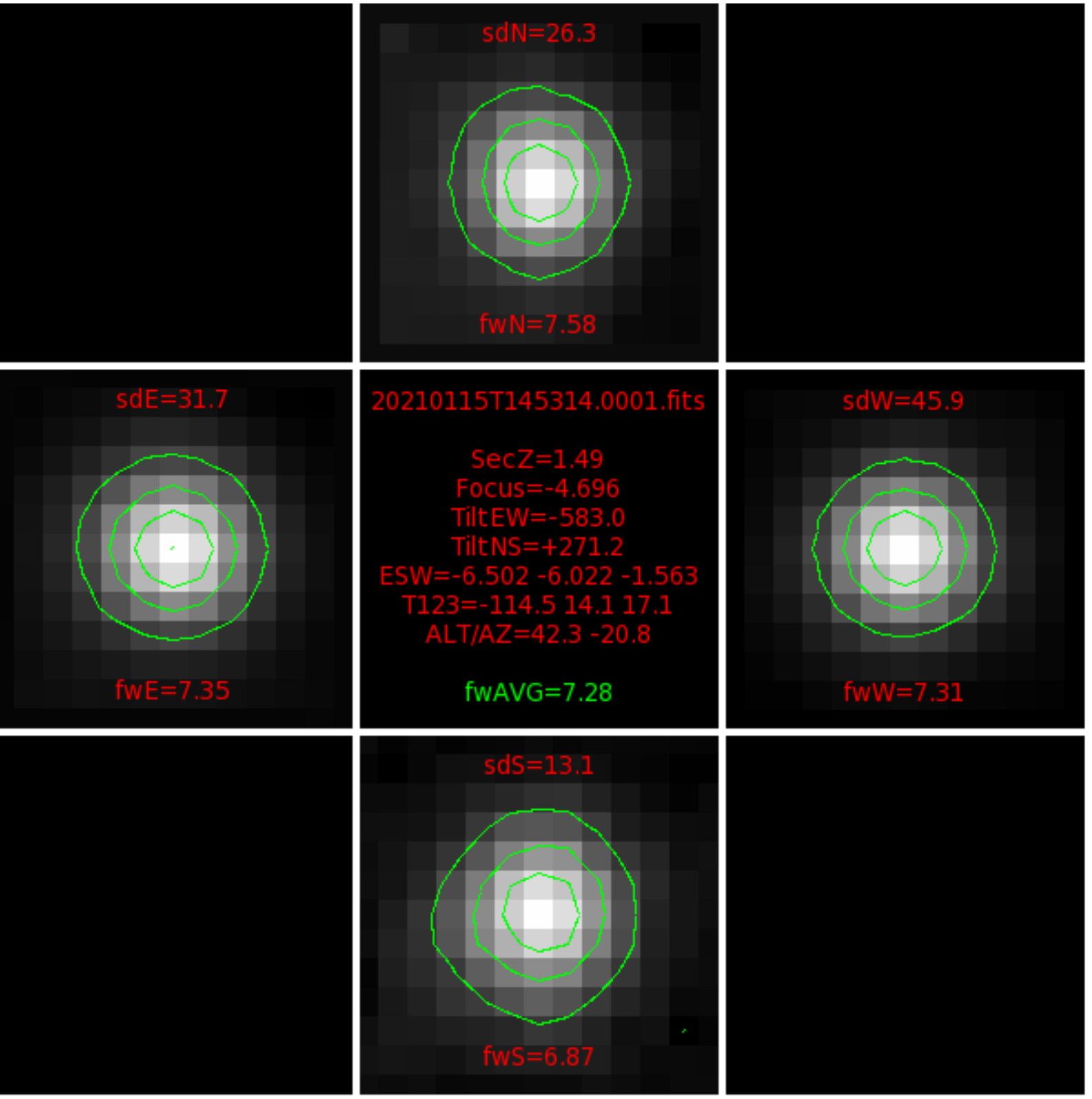
sdN=26.3
fwN=7.58
sdE=31.7
fwE=7.35
20210115T145314.0001.fits
SecZ=1.49
Focus=-4.696
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.502 -6.022 -1.563
T123=-114.5 14.1 17.1
ALT/AZ=42.3 -20.8
fwAVG=7.28
sdW=45.9
fwW=7.31
sdS=13.1
fwS=6.87
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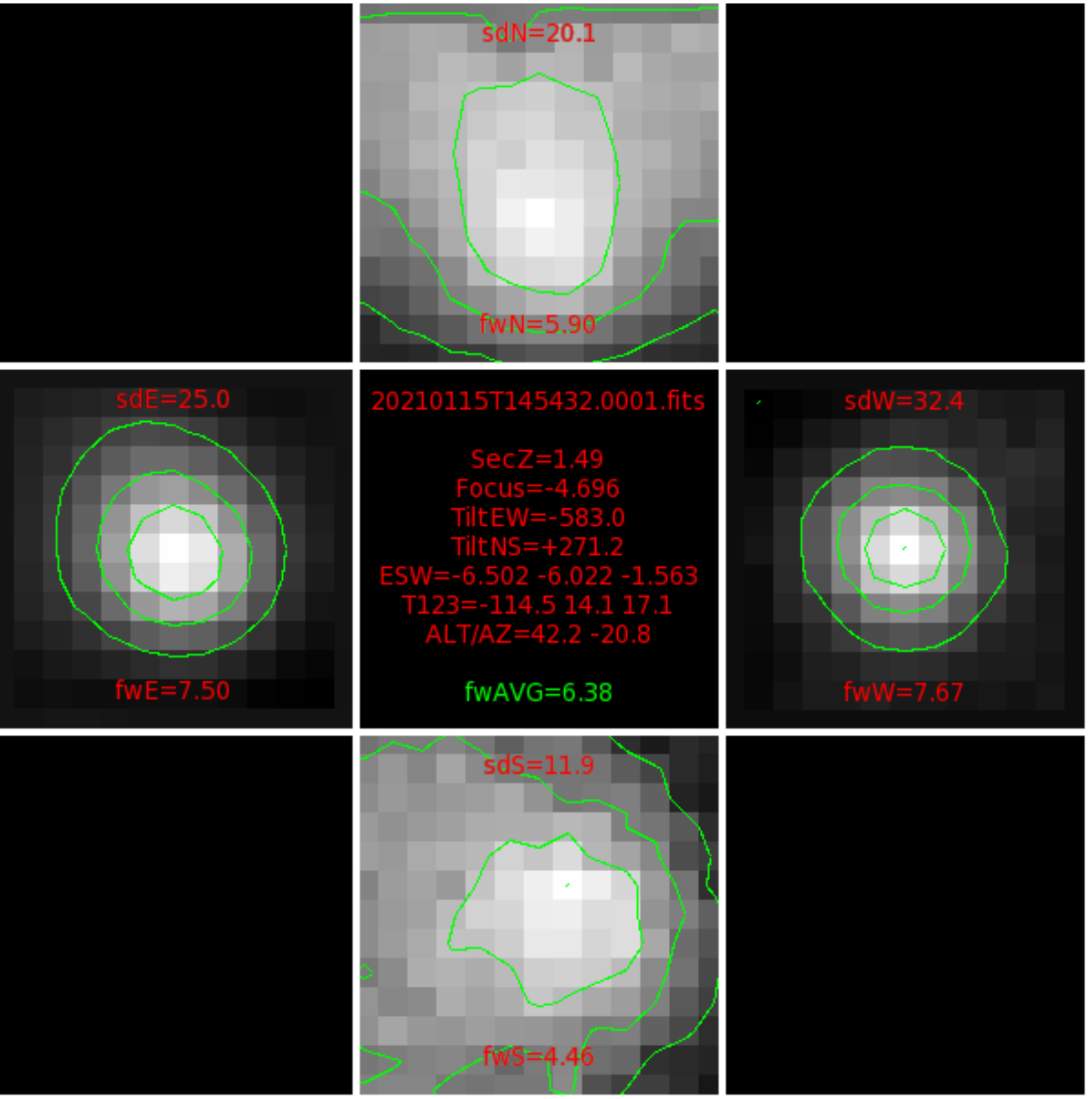
sdN=20.1
fwN=5.90
sdE=25.0
fwE=7.50
20210115T145432.0001.fits
SecZ=1.49
Focus=-4.696
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.502 -6.022 -1.563
T123=-114.5 14.1 17.1
ALT/AZ=42.2 -20.8
fwAVG=6.38
sdW=32.4
fwW=7.67
sdS=11.9
fwS=4.46
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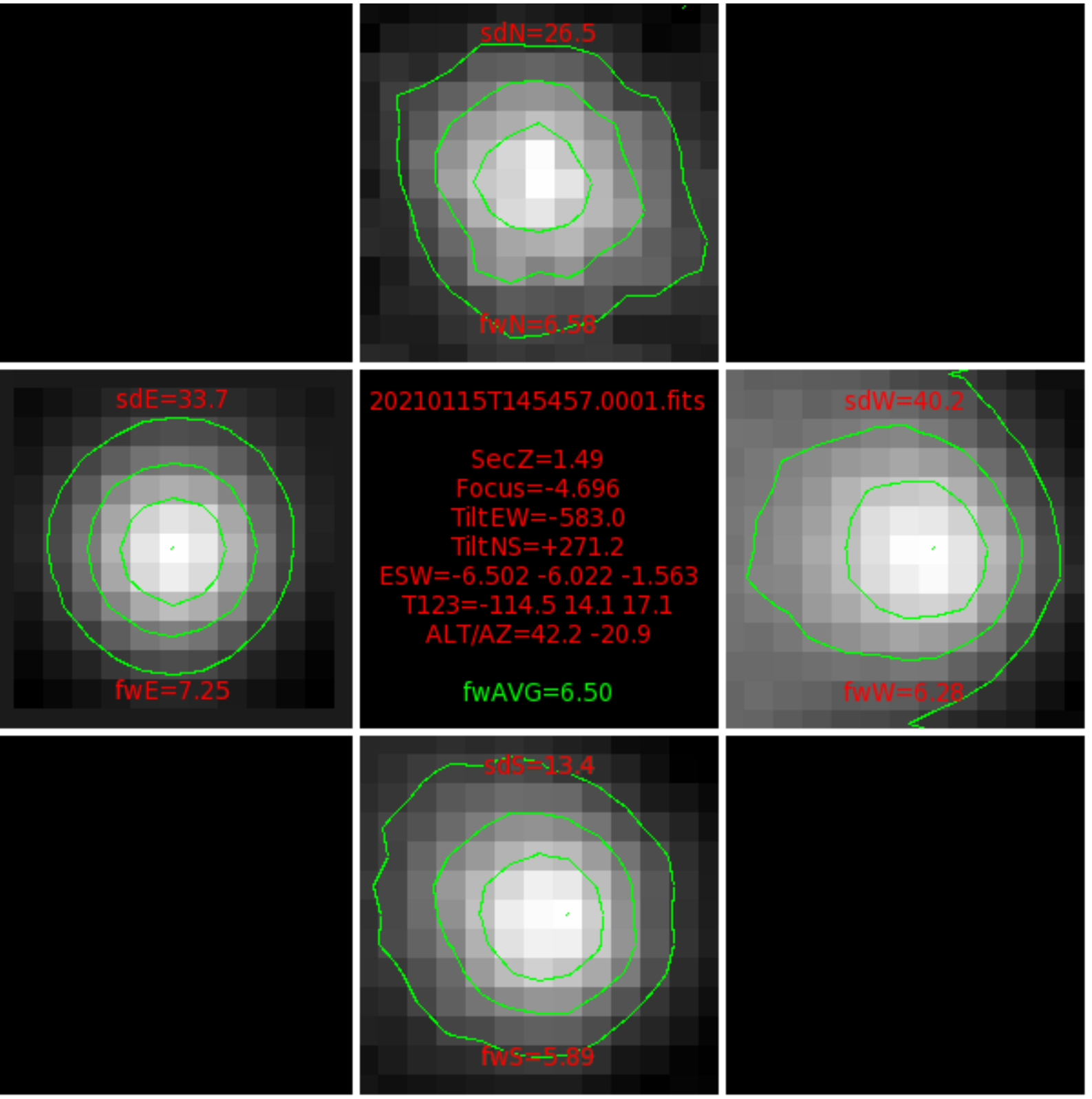
sdN=26.5
fwN=6.58
sdE=33.7
fwE=7.25
20210115T145457.0001.fits
SecZ=1.49
Focus=-4.696
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.502 -6.022 -1.563
T123=-114.5 14.1 17.1
ALT/AZ=42.2 -20.9
fwAVG=6.50
sdW=40.2
fwW=6.28
sdS=13.4
fwS=5.89
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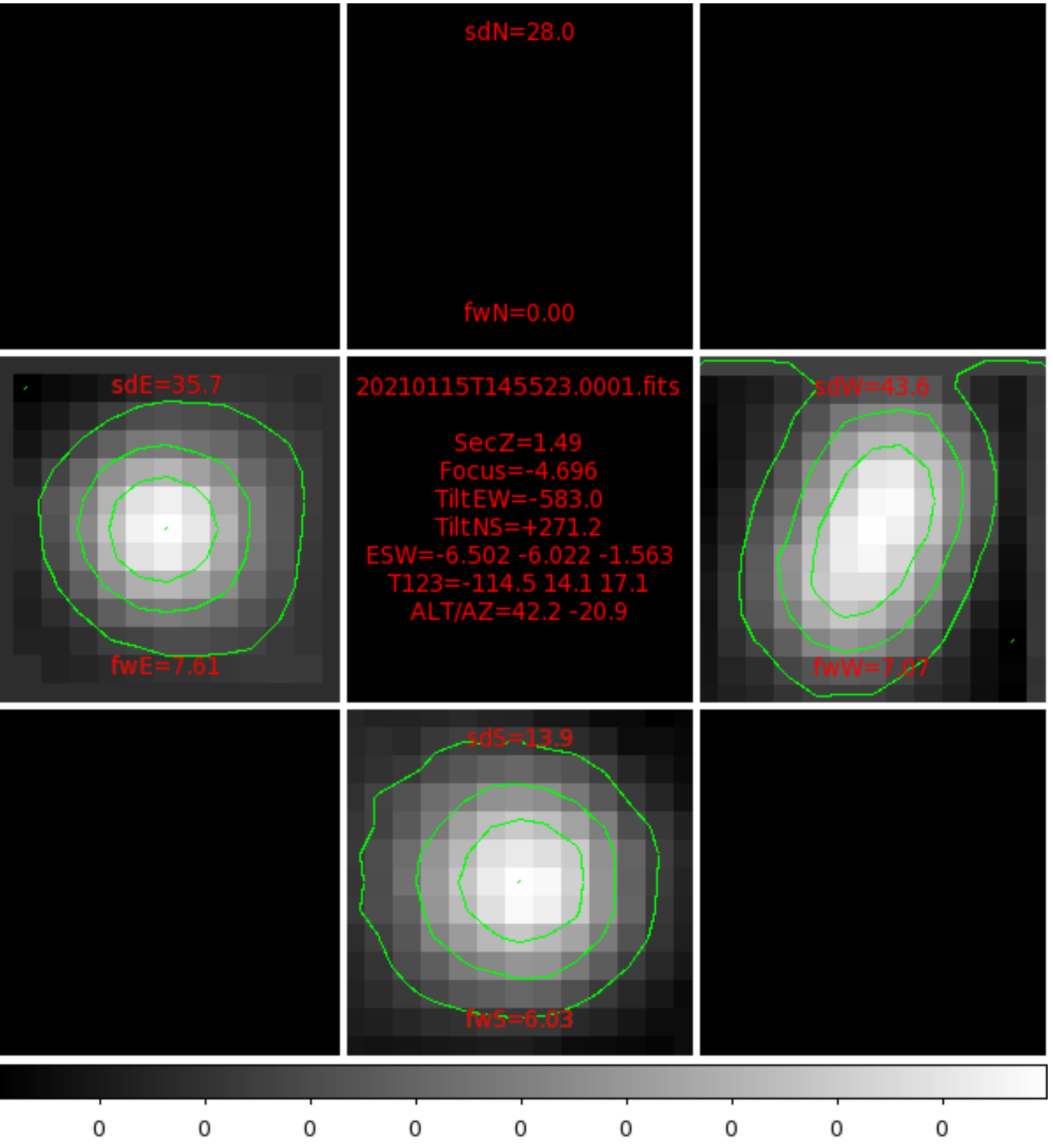
sdN=28.0
fwN=0.00
sdE=35.7
fwE=7.61
20210115T145523.0001.fits
SecZ=1.49
Focus=-4.696
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.502 -6.022 -1.563
T123=-114.5 14.1 17.1
ALT/AZ=42.2 -20.9
sdW=43.6
fwW=7.07
sdS=13.9
fwS=6.03
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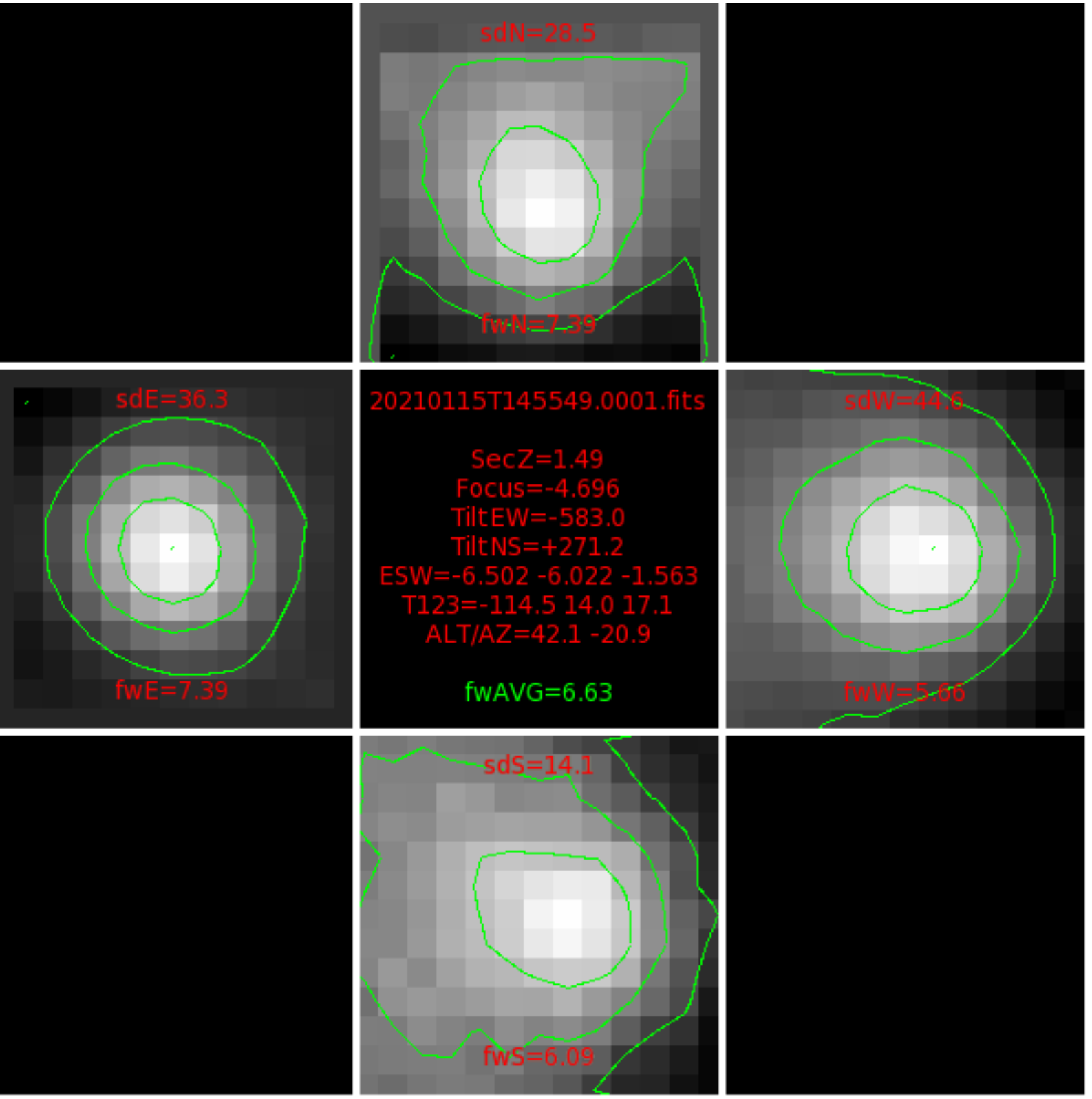
sdN=28.5
fwN=7.39
sdE=36.3
fwE=7.39
20210115T145549.0001.fits
SecZ=1.49
Focus=-4.696
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.502 -6.022 -1.563
T123=-114.5 14.0 17.1
ALT/AZ=42.1 -20.9
fwAVG=6.63
sdW=44.6
fwW=5.66
sdS=14.1
fwS=6.09
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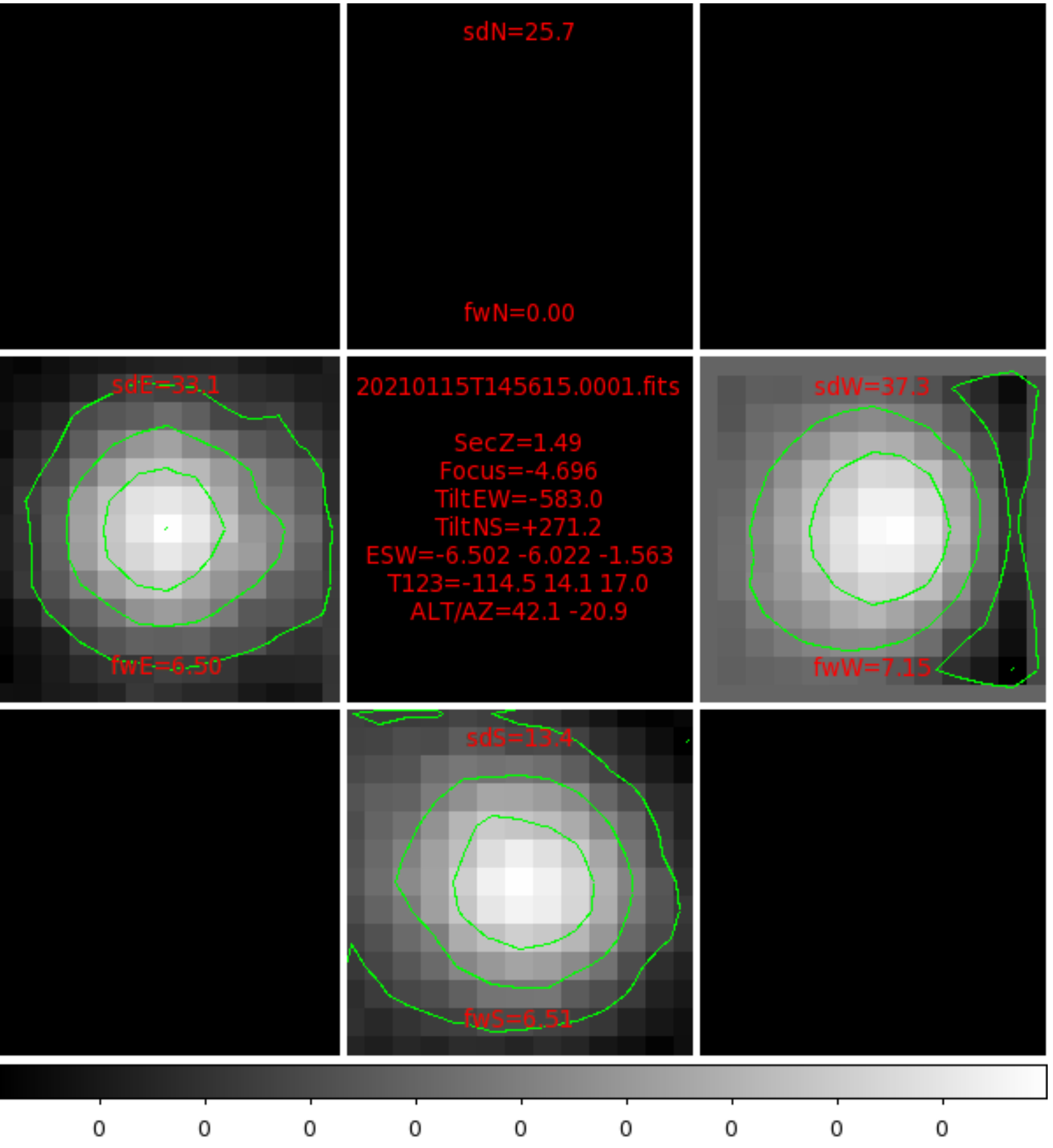
sdN=25.7
fwN=0.00
sdE=33.1
fwE=6.50
20210115T145615.0001.fits
SecZ=1.49
Focus=-4.696
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.502 -6.022 -1.563
T123=-114.5 14.1 17.0
ALT/AZ=42.1 -20.9
sdW=37.3
fwW=7.15
sdS=13.4
fwS=6.51
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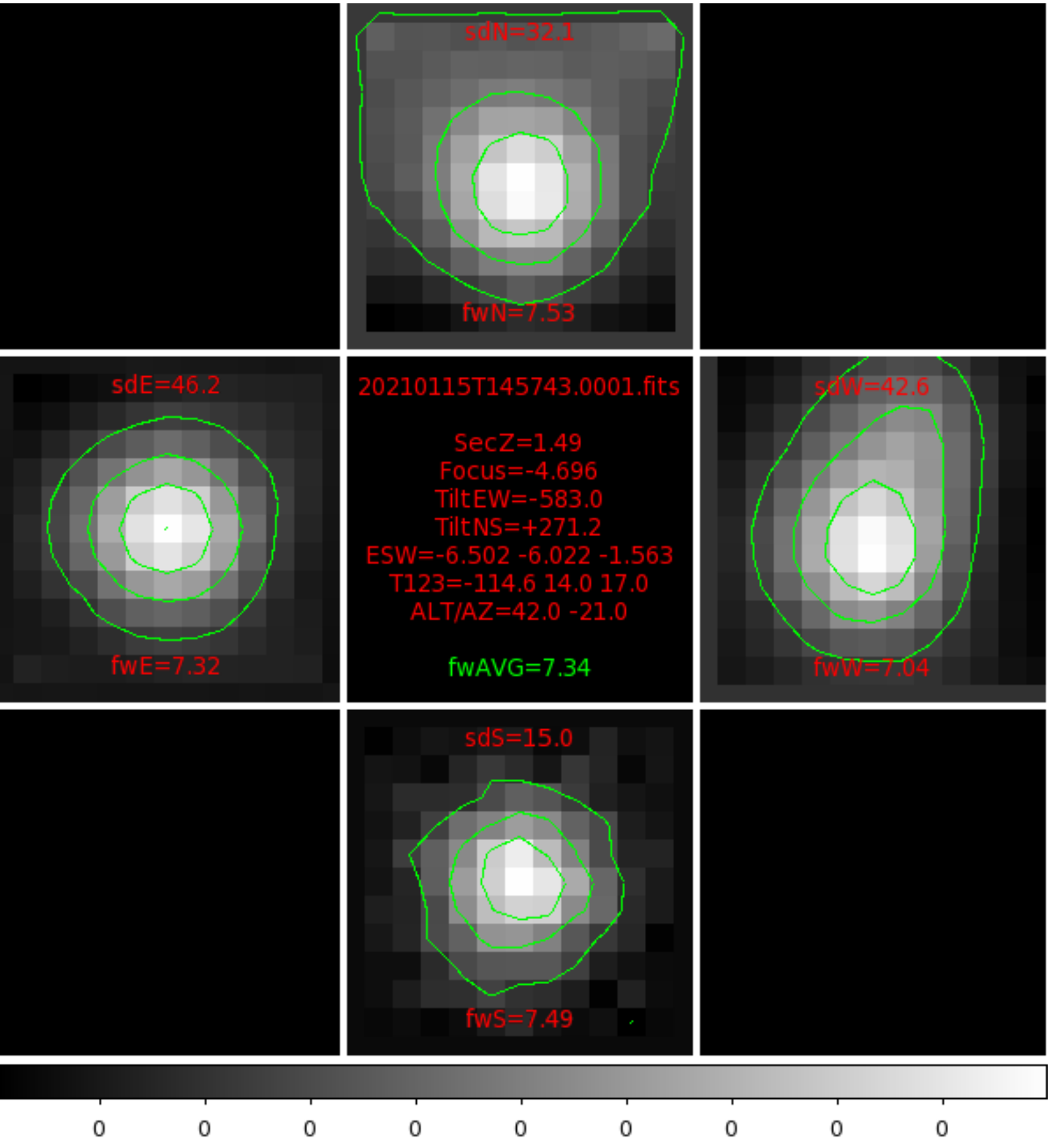
sdN=32.1
fwN=7.53
sdE=46.2
fwE=7.32
20210115T145743.0001.fits
SecZ=1.49
Focus=-4.696
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.502 -6.022 -1.563
T123=-114.6 14.0 17.0
ALT/AZ=42.0 -21.0
fwAVG=7.34
sdW=42.6
fwW=7.04
sdS=15.0
fwS=7.49
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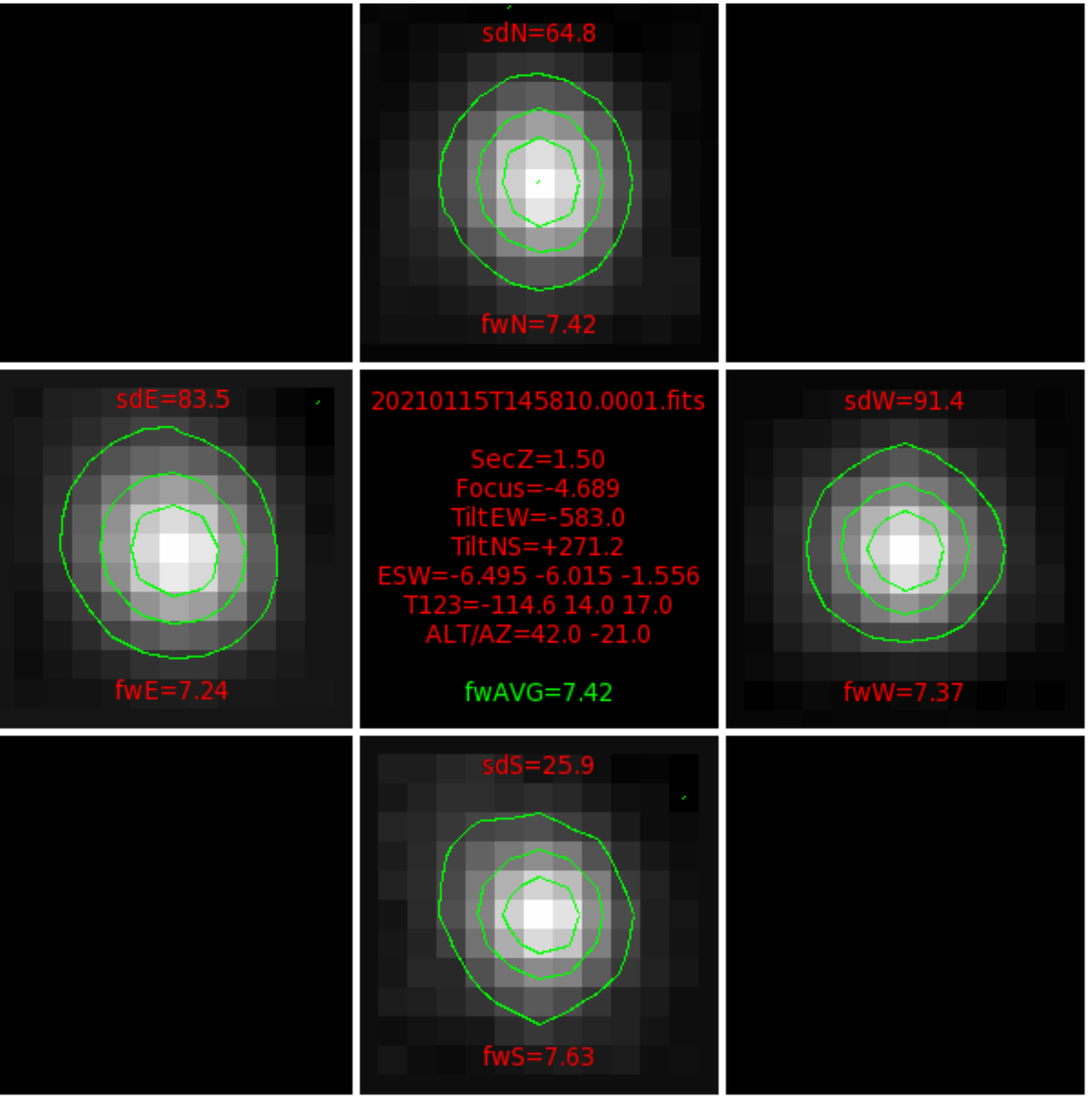
sdN=64.8
fwN=7.42
sdE=83.5
fwE=7.24
20210115T145810.0001.fits
SecZ=1.50
Focus=-4.689
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.495 -6.015 -1.556
T123=-114.6 14.0 17.0
ALT/AZ=42.0 -21.0
fwAVG=7.42
sdW=91.4
fwW=7.37
sdS=25.9
fwS=7.63
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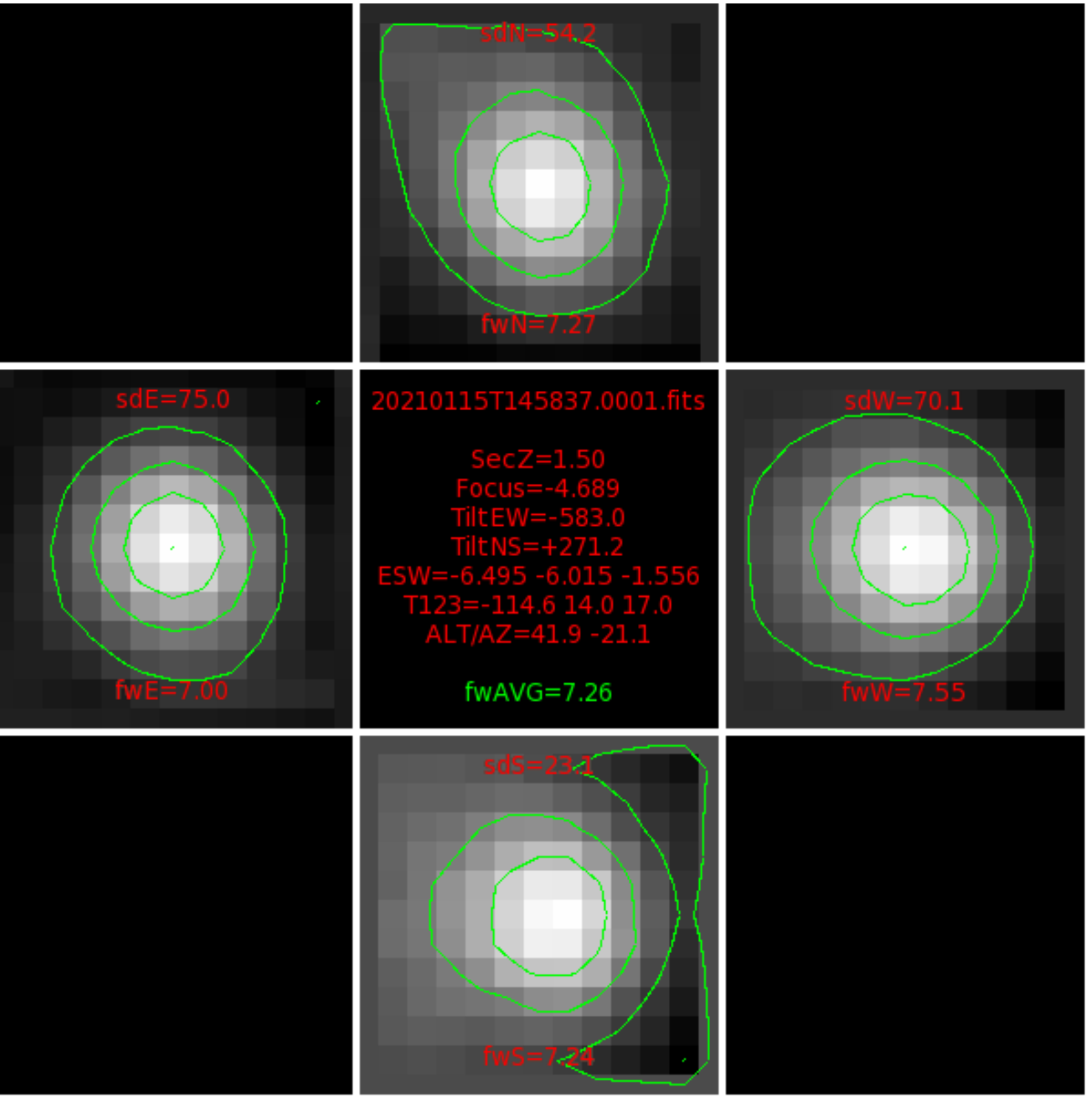
sdN=54.2
fwN=7.27
sdE=75.0
fwE=7.00
20210115T145837.0001.fits
SecZ=1.50
Focus=-4.689
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.495 -6.015 -1.556
T123=-114.6 14.0 17.0
ALT/AZ=41.9 -21.1
fwAVG=7.26
sdW=70.1
fwW=7.55
sdS=23.1
fwS=7.24
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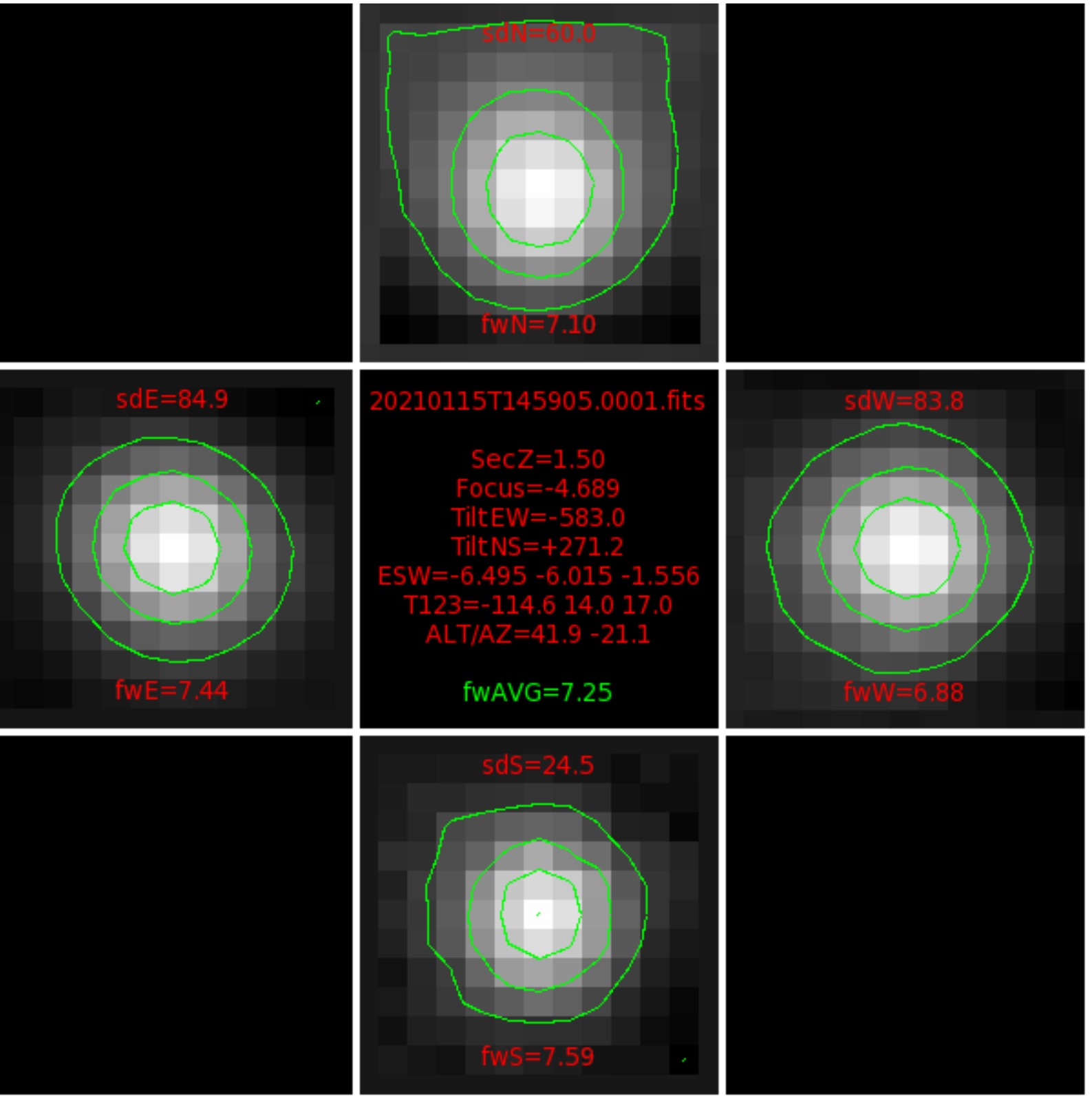
sdN=60.0
fwN=7.10
sdE=84.9
fwE=7.44
20210115T145905.0001.fits
SecZ=1.50
Focus=-4.689
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.495 -6.015 -1.556
T123=-114.6 14.0 17.0
ALT/AZ=41.9 -21.1
fwAVG=7.25
sdW=83.8
fwW=6.88
sdS=24.5
fwS=7.59
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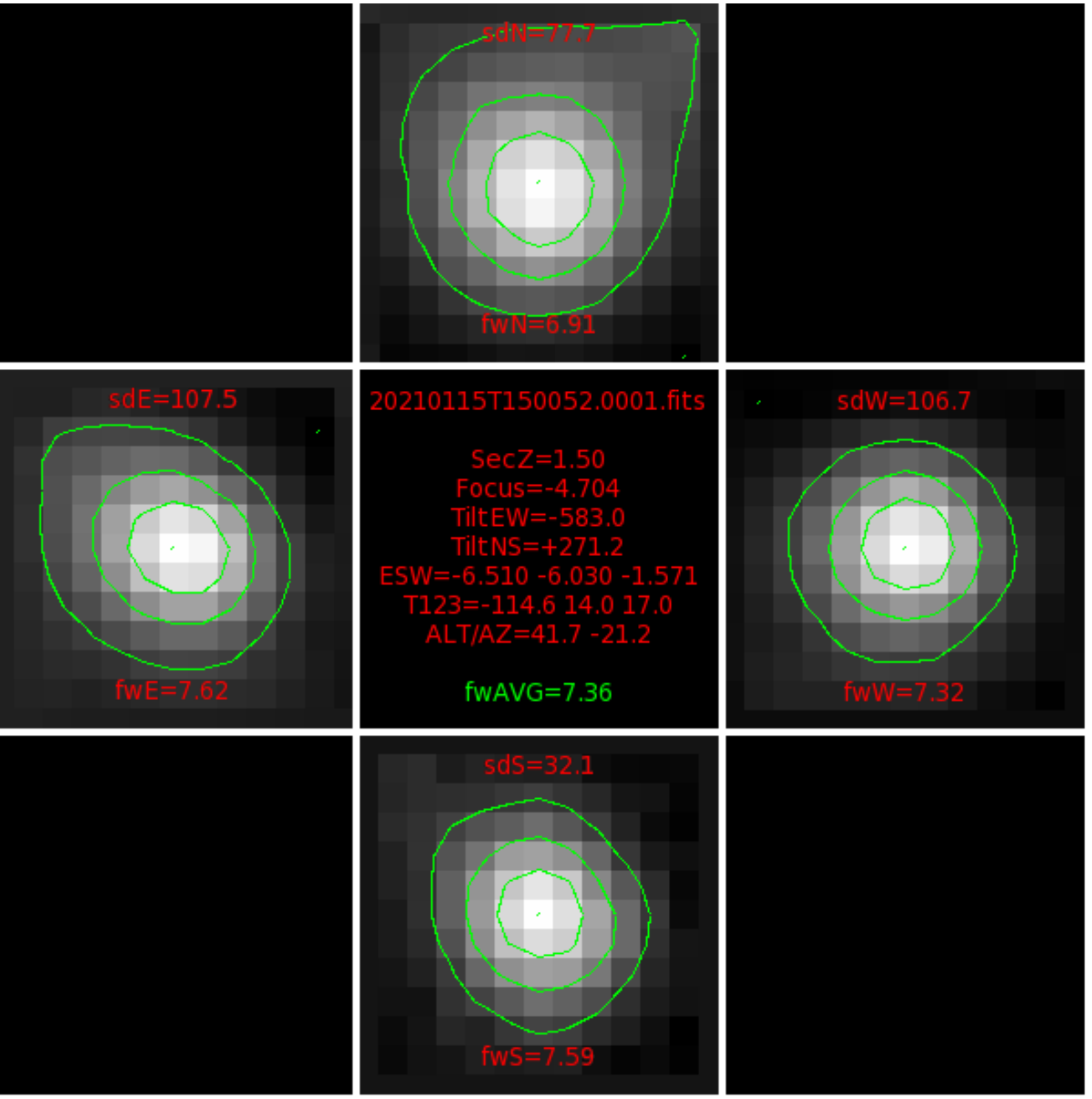
sdN=77.7
fwN=6.91
sdE=107.5
fwE=7.62
20210115T150052.0001.fits
SecZ=1.50
Focus=-4.704
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.510 -6.030 -1.571
T123=-114.6 14.0 17.0
ALT/AZ=41.7 -21.2
fwAVG=7.36
sdW=106.7
fwW=7.32
sdS=32.1
fwS=7.59
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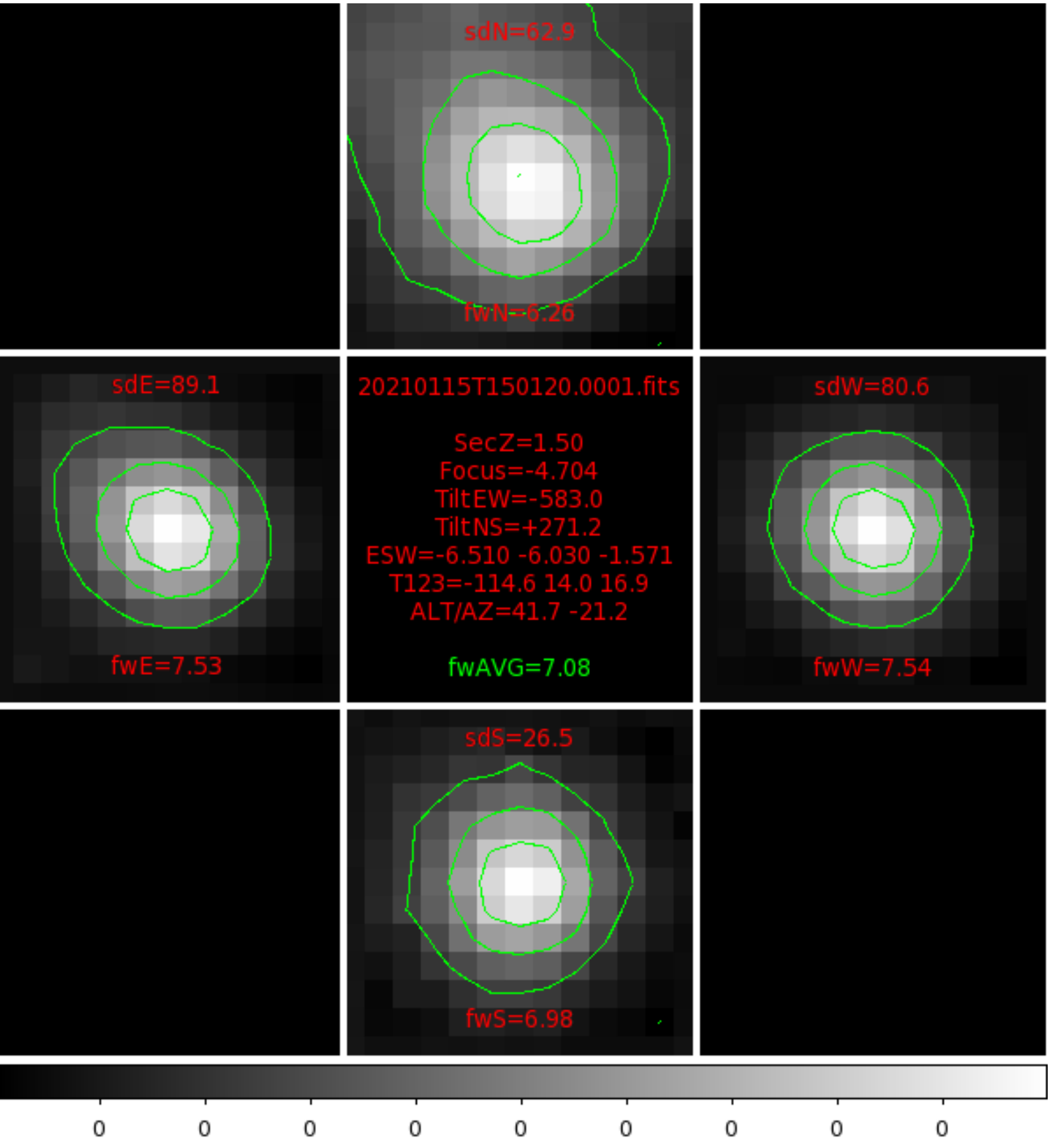
sdN=62.9
fwN=6.26
sdE=89.1
fwE=7.53
20210115T150120.0001.fits
SecZ=1.50
Focus=-4.704
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.510 -6.030 -1.571
T123=-114.6 14.0 16.9
ALT/AZ=41.7 -21.2
fwAVG=7.08
sdW=80.6
fwW=7.54
sdS=26.5
fwS=6.98
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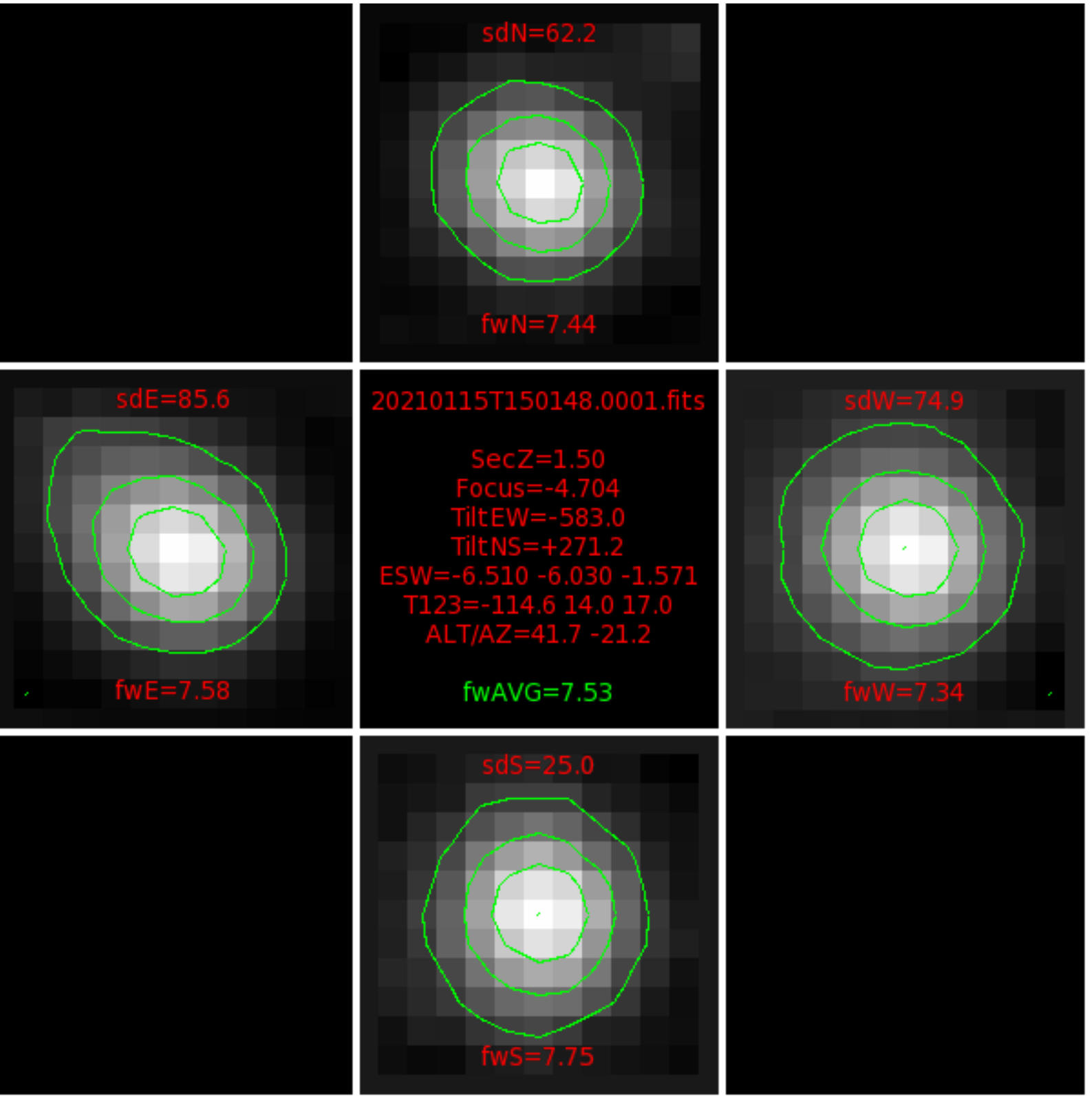
sdN=62.2
fwN=7.44
sdE=85.6
fwE=7.58
20210115T150148.0001.fits
SecZ=1.50
Focus=-4.704
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.510 -6.030 -1.571
T123=-114.6 14.0 17.0
ALT/AZ=41.7 -21.2
fwAVG=7.53
sdW=74.9
fwW=7.34
sdS=25.0
fwS=7.75
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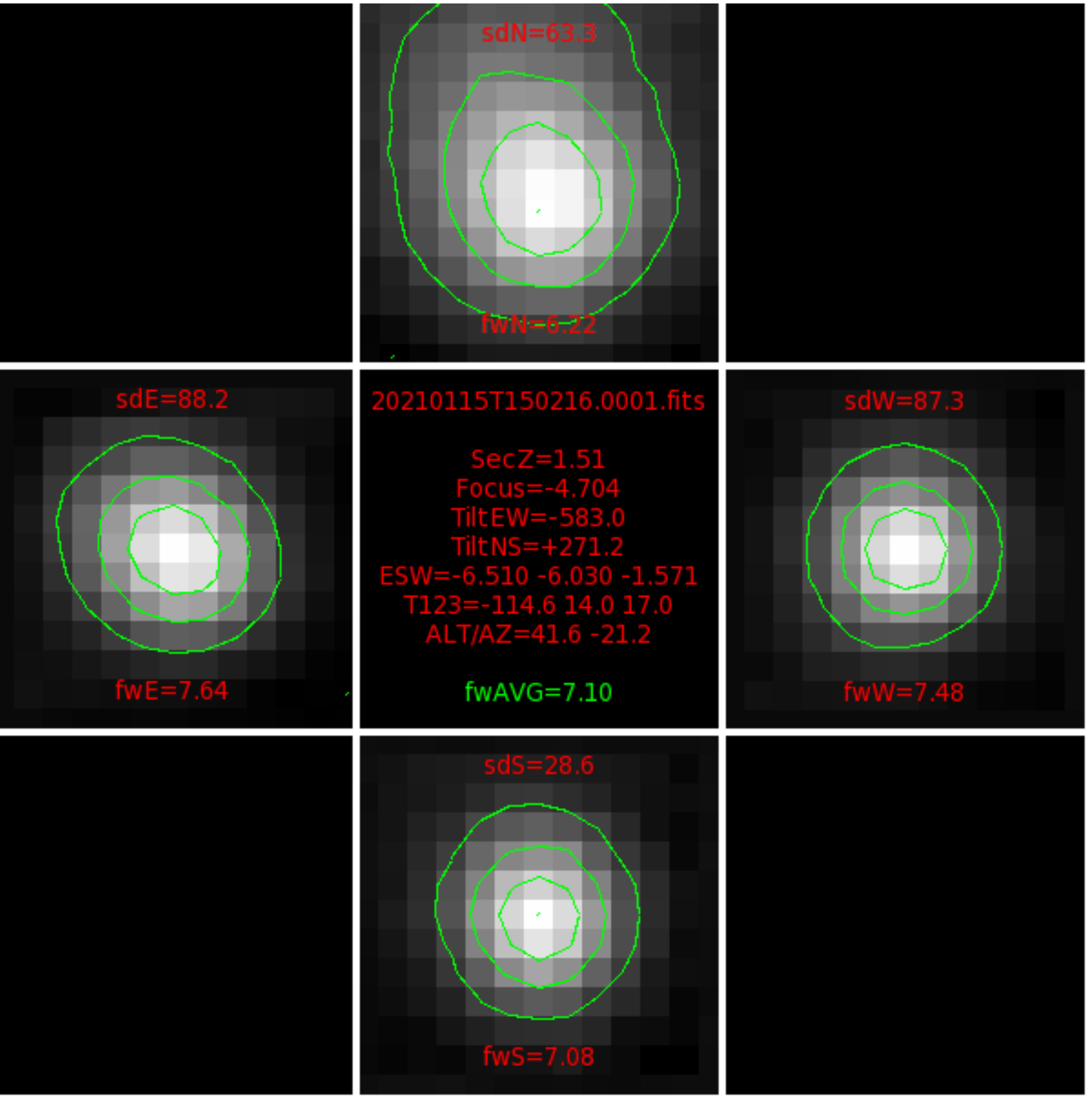
sdN=63.3
fwN=6.22
sdE=88.2
fwE=7.64
20210115T150216.0001.fits
SecZ=1.51
Focus=-4.704
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.510 -6.030 -1.571
T123=-114.6 14.0 17.0
ALT/AZ=41.6 -21.2
fwAVG=7.10
sdW=87.3
fwW=7.48
sdS=28.6
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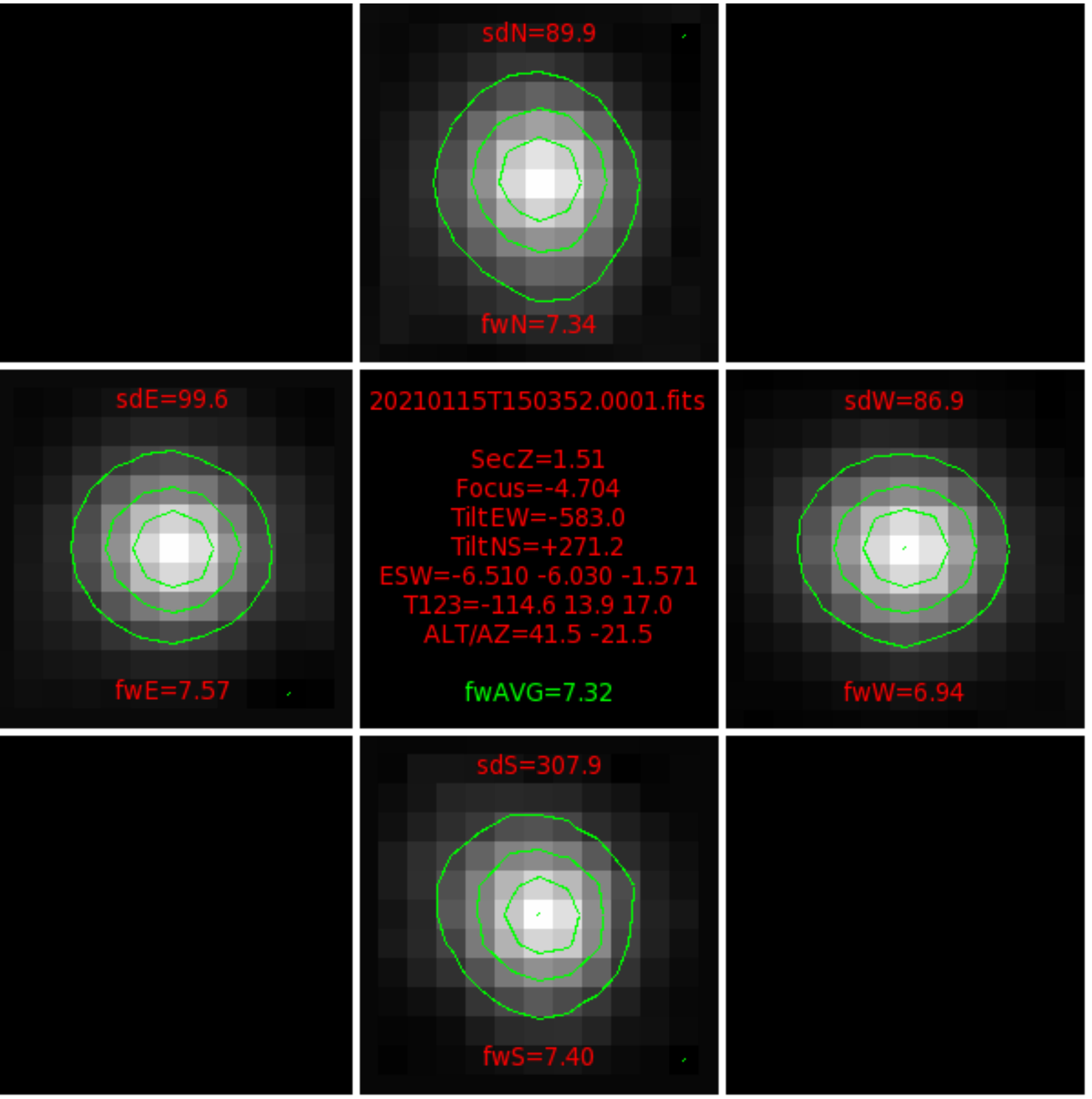
sdN=89.9
fwN=7.34
sdE=99.6
fwE=7.57
20210115T150352.0001.fits
SecZ=1.51
Focus=-4.704
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.510 -6.030 -1.571
T123=-114.6 13.9 17.0
ALT/AZ=41.5 -21.5
fwAVG=7.32
sdW=86.9
fwW=6.94
sdS=307.9
fwS=7.40
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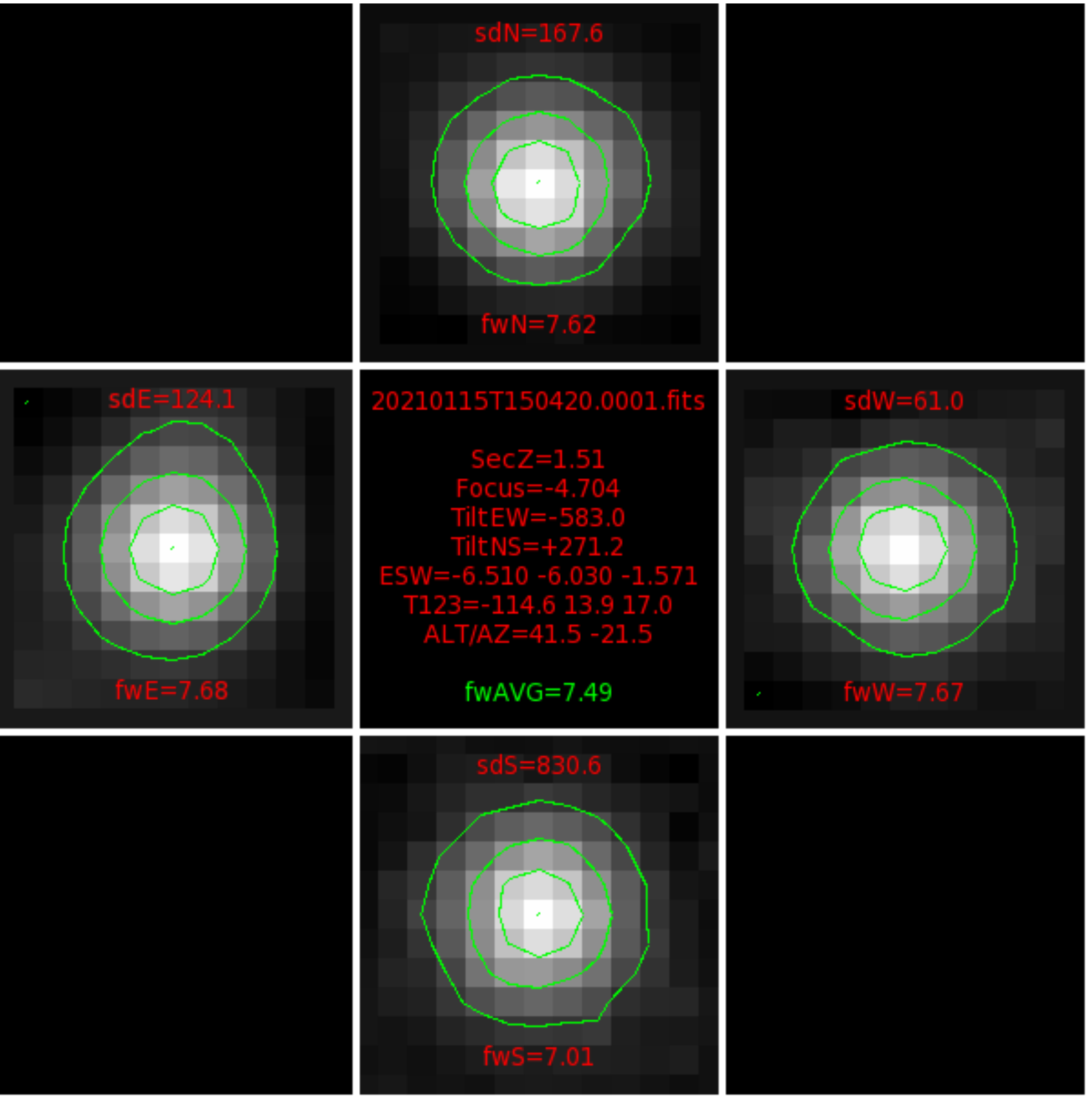
sdN=167.6
fwN=7.62
sdE=124.1
fwE=7.68
20210115T150420.0001.fits
SecZ=1.51
Focus=-4.704
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.510 -6.030 -1.571
T123=-114.6 13.9 17.0
ALT/AZ=41.5 -21.5
fwAVG=7.49
sdW=61.0
fwW=7.67
sdS=830.6
fwS=7.01
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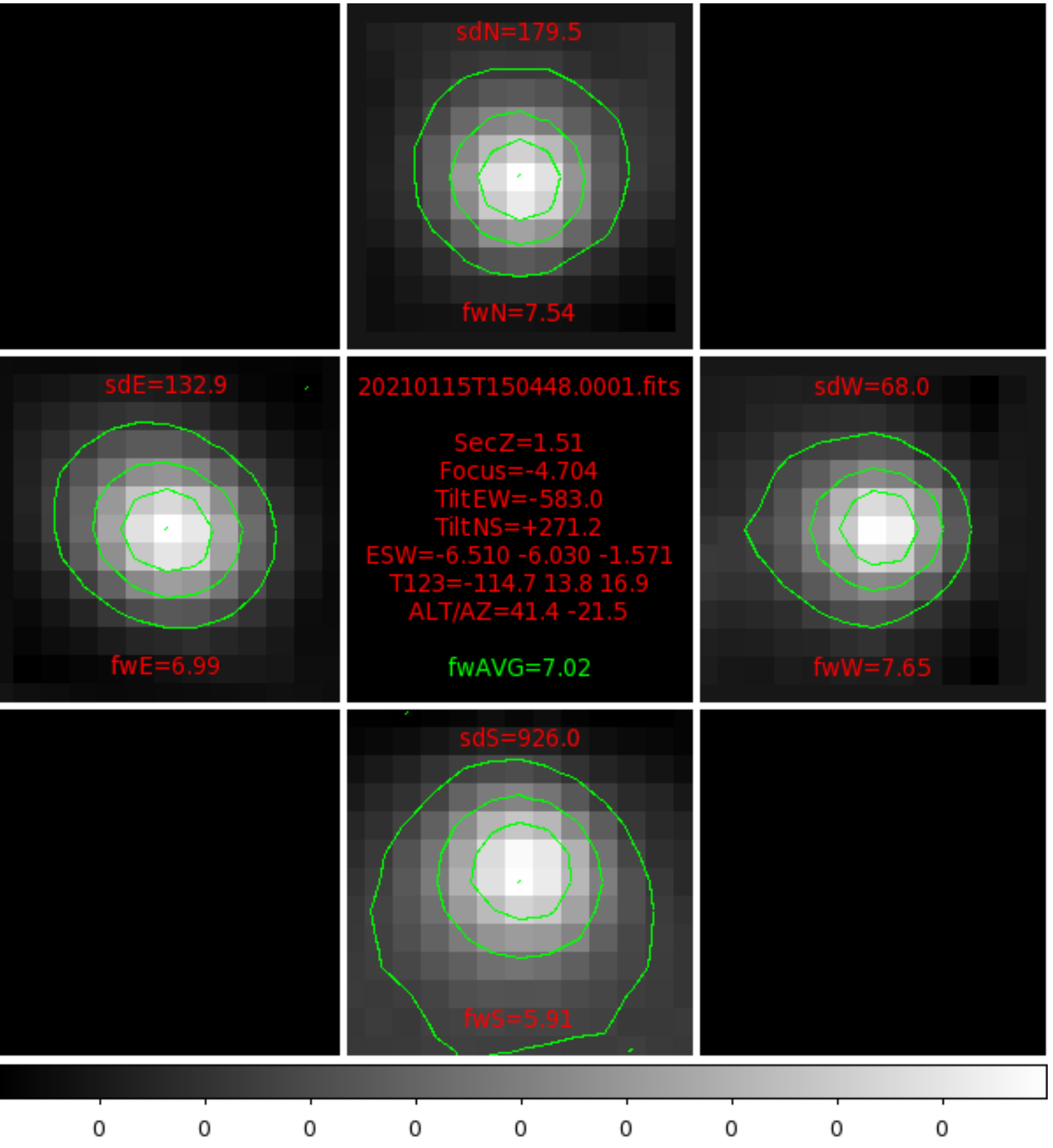
sdN=179.5
fwN=7.54
sdE=132.9
fwE=6.99
20210115T150448.0001.fits
SecZ=1.51
Focus=-4.704
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.510 -6.030 -1.571
T123=-114.7 13.8 16.9
ALT/AZ=41.4 -21.5
fwAVG=7.02
sdW=68.0
fwW=7.65
sdS=926.0
fwS=5.91
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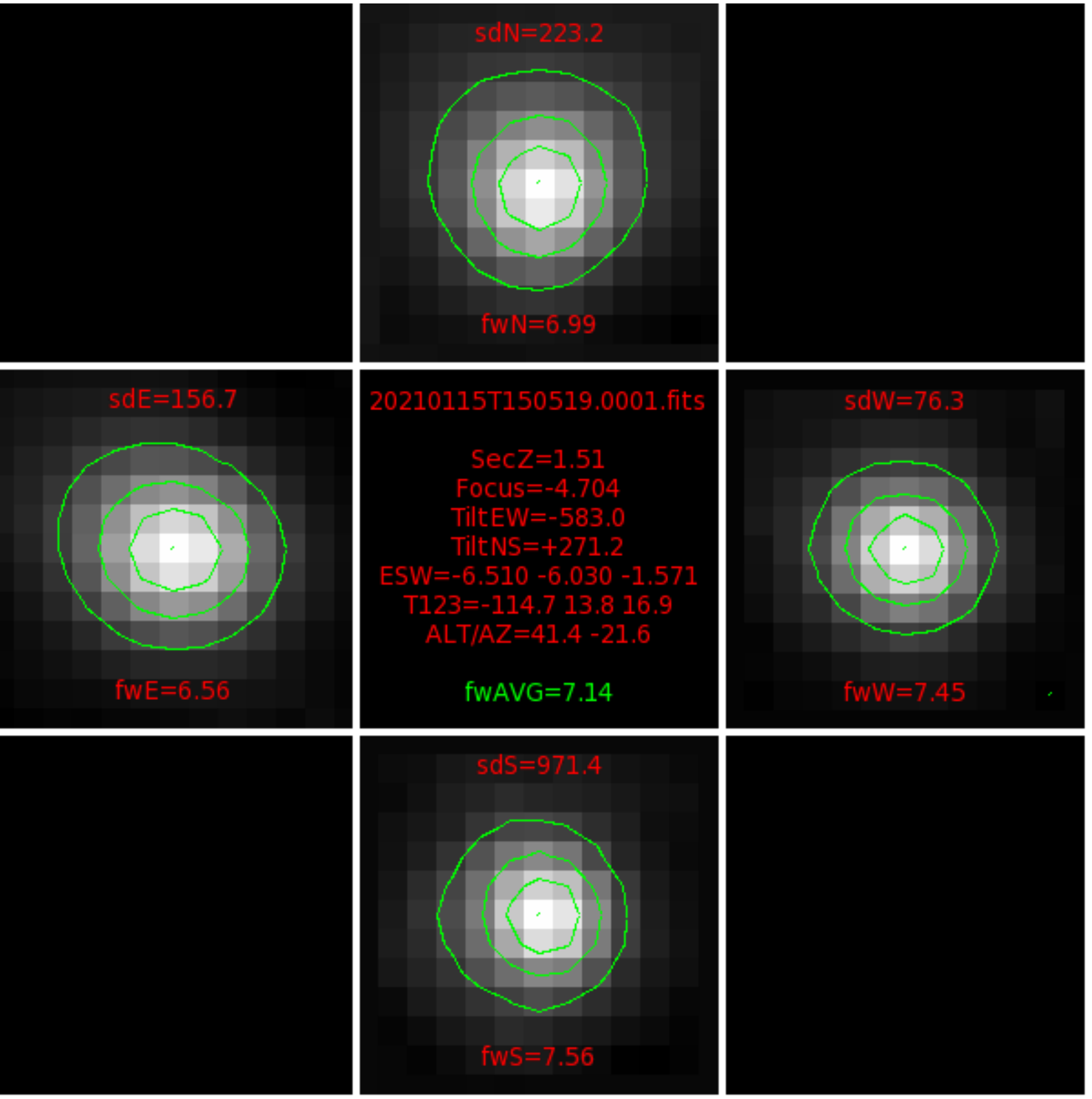
sdN=223.2
fwN=6.99
sdE=156.7
fwE=6.56
20210115T150519.0001.fits
SecZ=1.51
Focus=-4.704
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.510 -6.030 -1.571
T123=-114.7 13.8 16.9
ALT/AZ=41.4 -21.6
fwAVG=7.14
sdW=76.3
fwW=7.45
sdS=971.4
fwS=7.56
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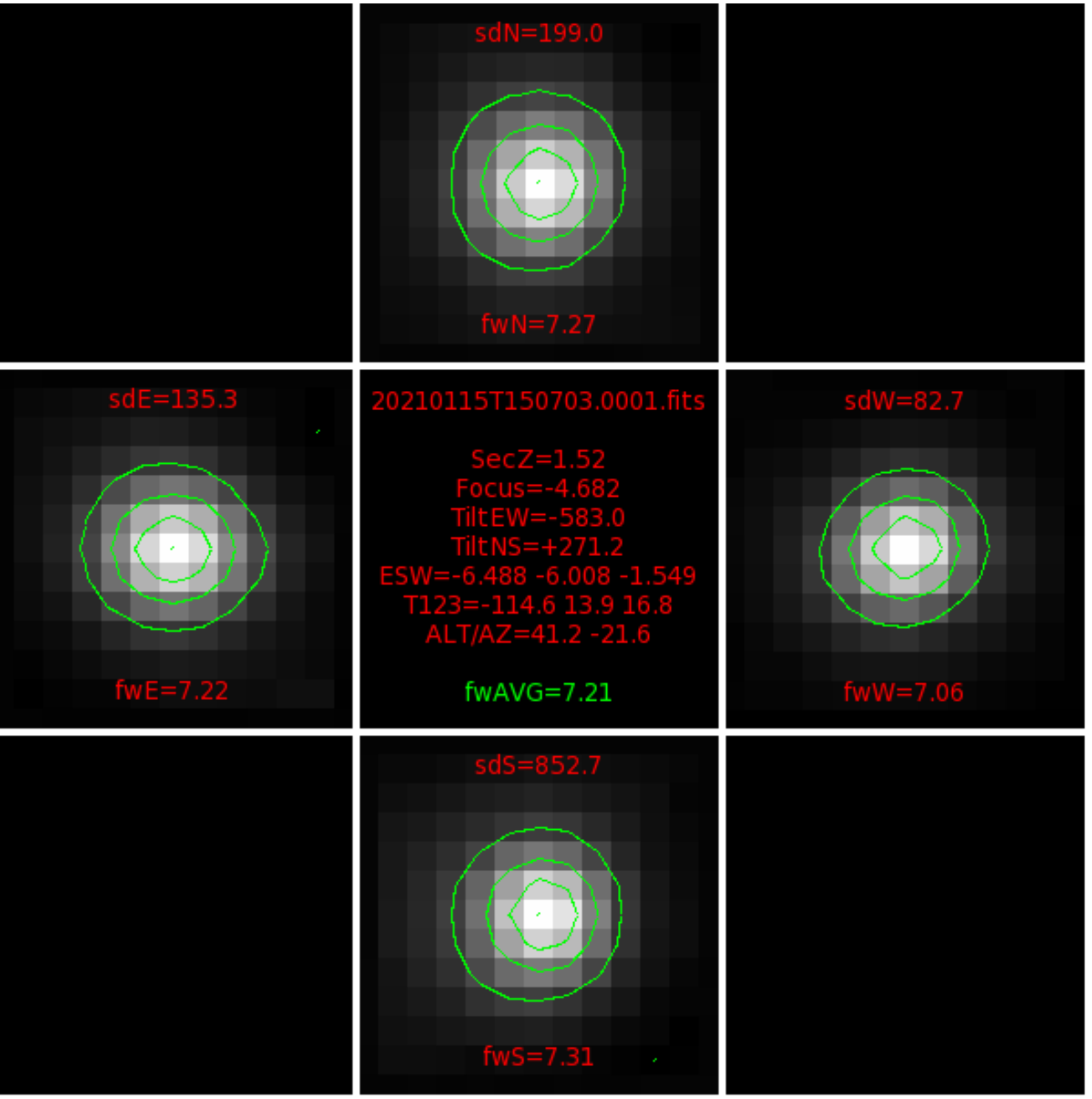
sdN=199.0
fwN=7.27
sdE=135.3
fwE=7.22
20210115T150703.0001.fits
SecZ=1.52
Focus=-4.682
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.488 -6.008 -1.549
T123=-114.6 13.9 16.8
ALT/AZ=41.2 -21.6
fwAVG=7.21
sdW=82.7
fwW=7.06
sdS=852.7
fwS=7.31
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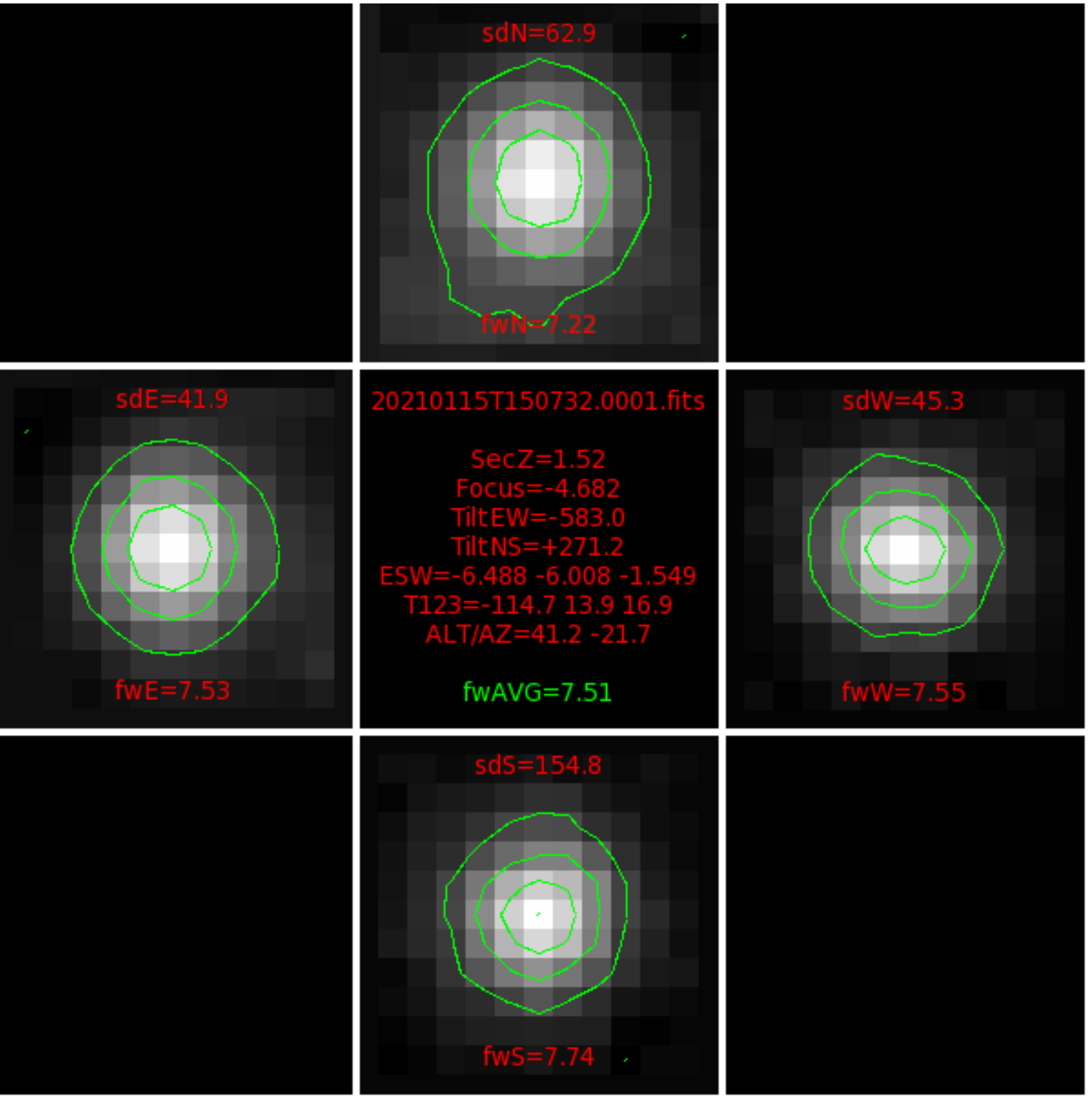
sdN=62.9
fwN=7.22
sdE=41.9
fwE=7.53
20210115T150732.0001.fits
SecZ=1.52
Focus=-4.682
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.488 -6.008 -1.549
T123=-114.7 13.9 16.9
ALT/AZ=41.2 -21.7
fwAVG=7.51
sdW=45.3
fwW=7.55
sdS=154.8
fwS=7.74
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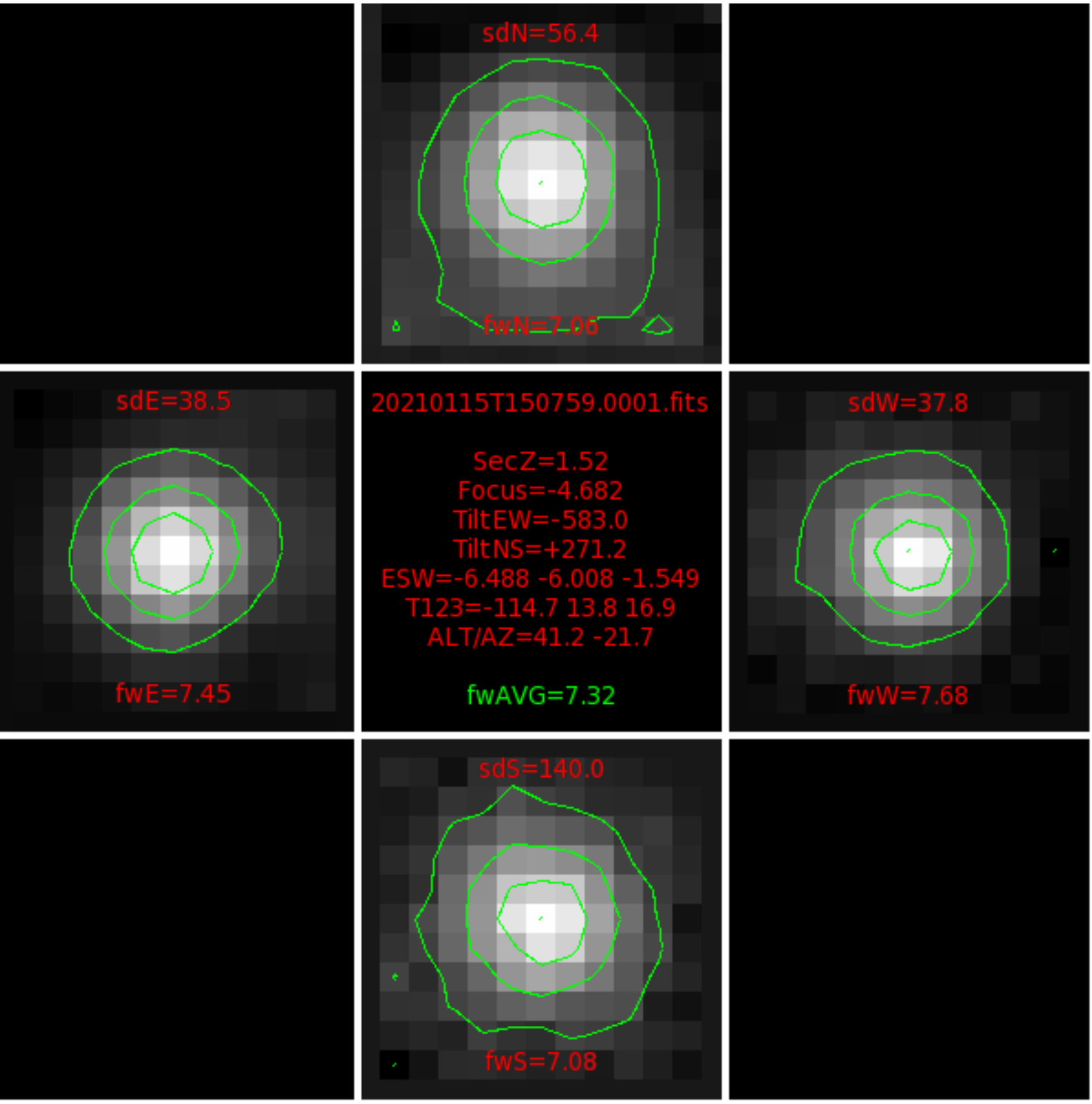
sdN=56.4
fwN=7.06
sdE=38.5
fwE=7.45
20210115T150759.0001.fits
SecZ=1.52
Focus=-4.682
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.488 -6.008 -1.549
T123=-114.7 13.8 16.9
ALT/AZ=41.2 -21.7
fwAVG=7.32
sdW=37.8
fwW=7.68
sdS=140.0
fwS=7.08
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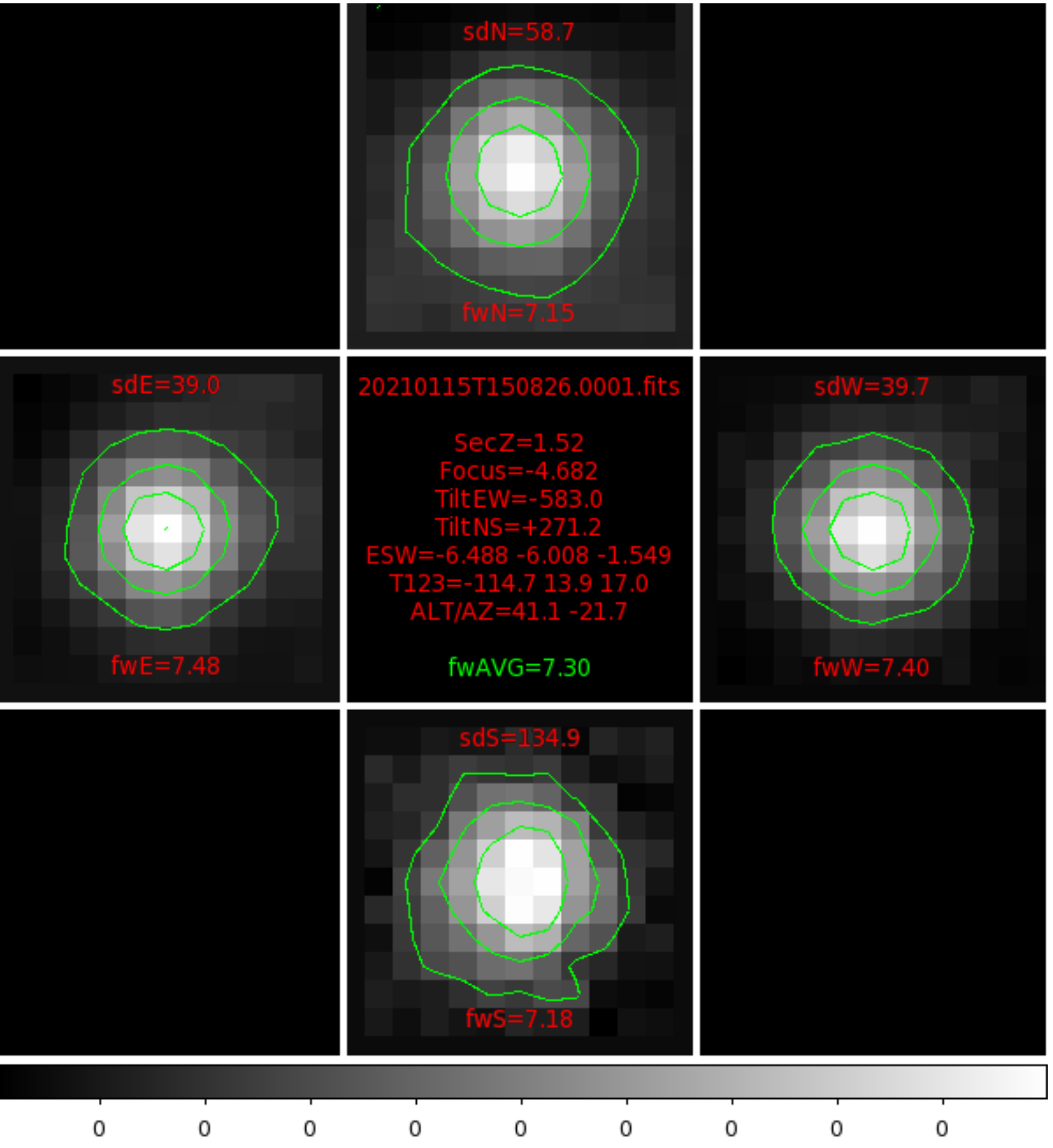
sdN=58.7
fwN=7.15
sdE=39.0
fwE=7.48
20210115T150826.0001.fits
SecZ=1.52
Focus=-4.682
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.488 -6.008 -1.549
T123=-114.7 13.9 17.0
ALT/AZ=41.1 -21.7
fwAVG=7.30
sdW=39.7
fwW=7.40
sdS=134.9
fwS=7.18
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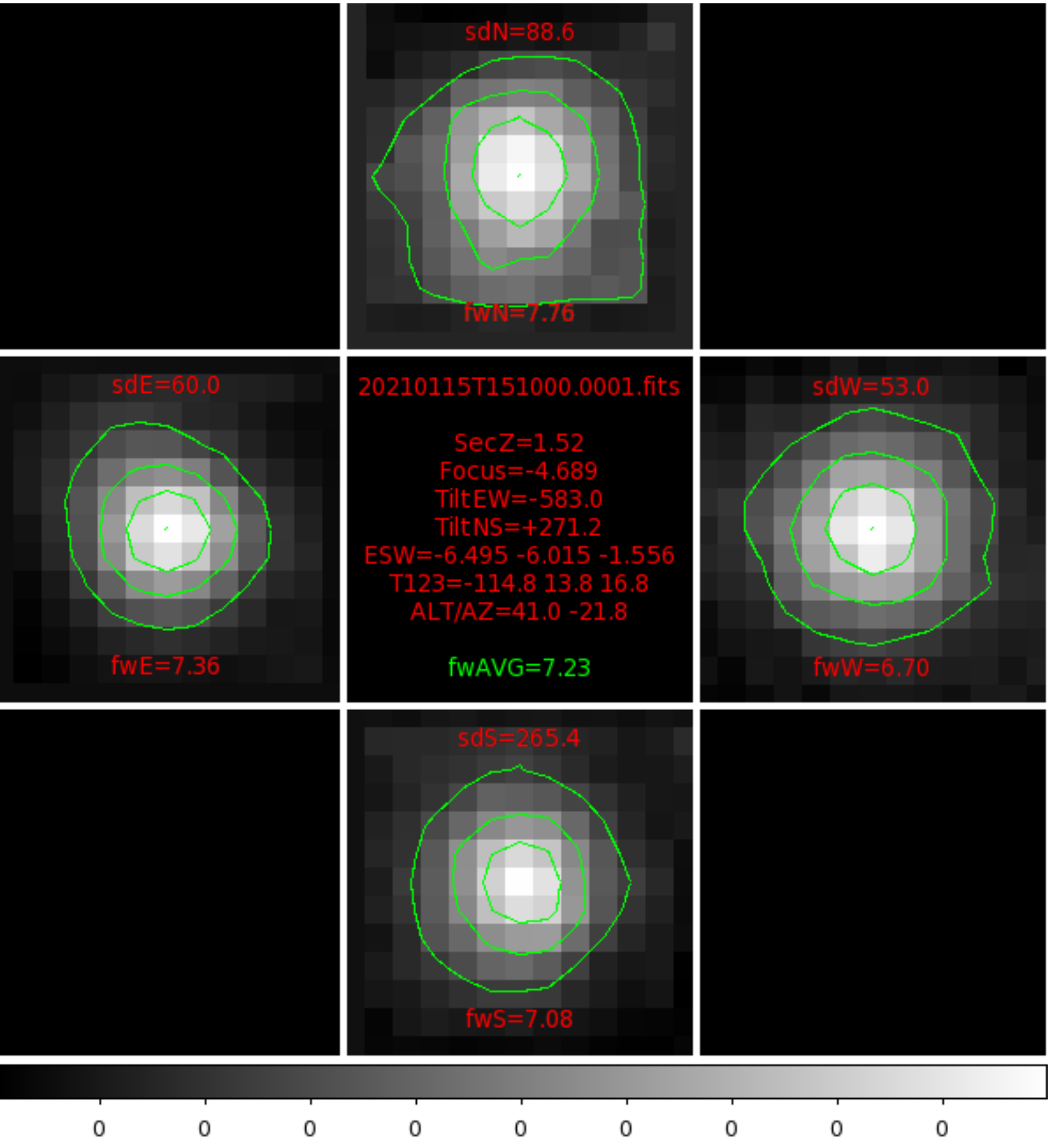
sdN=88.6
fwN=7.76
sdE=60.0
fwE=7.36
20210115T151000.0001.fits
SecZ=1.52
Focus=-4.689
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.495 -6.015 -1.556
T123=-114.8 13.8 16.8
ALT/AZ=41.0 -21.8
fwAVG=7.23
sdW=53.0
fwW=6.70
sdS=265.4
fwS=7.08
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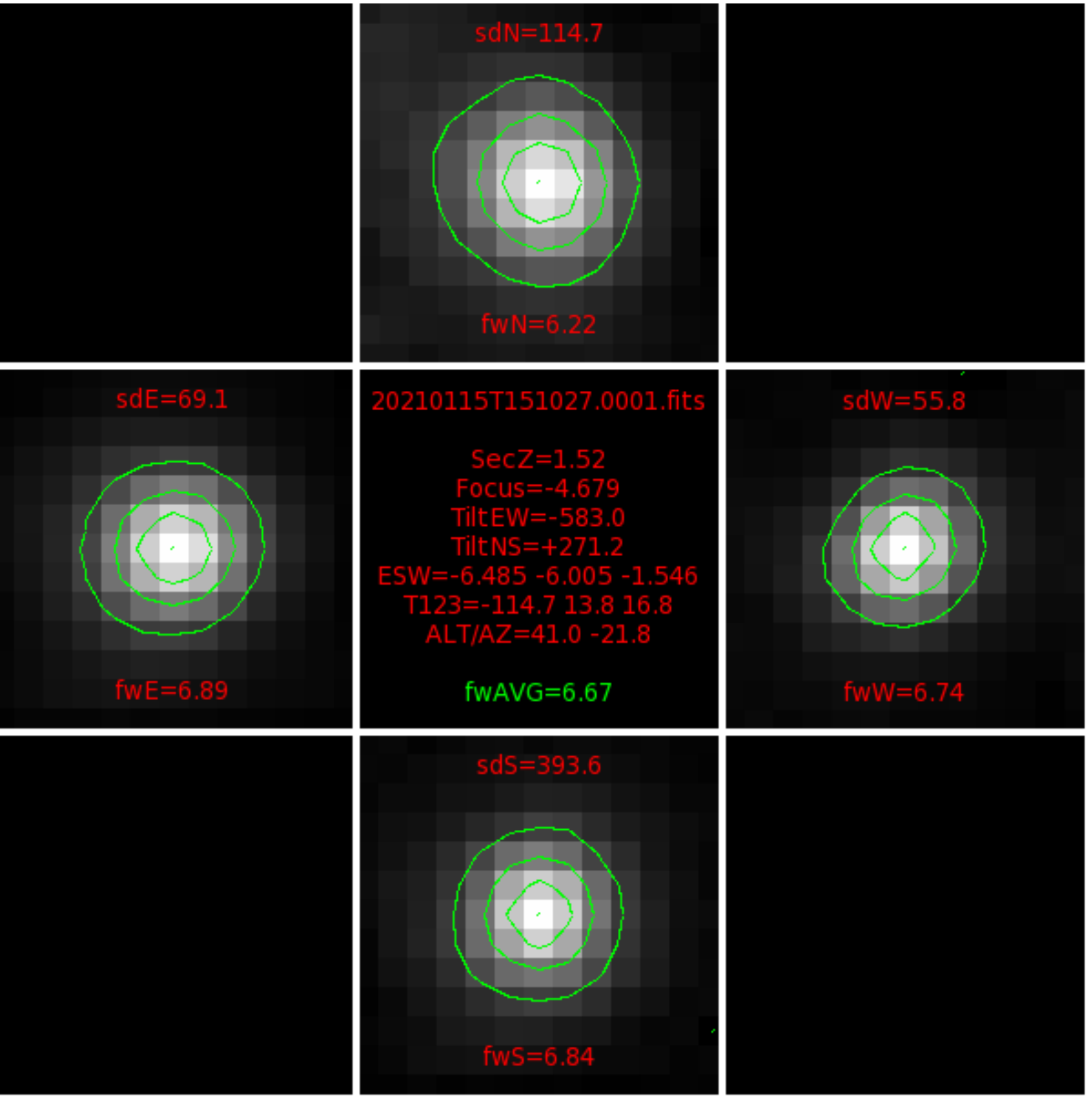
sdN=114.7
fwN=6.22
sdE=69.1
fwE=6.89
20210115T151027.0001.fits
SecZ=1.52
Focus=-4.679
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.485 -6.005 -1.546
T123=-114.7 13.8 16.8
ALT/AZ=41.0 -21.8
fwAVG=6.67
sdW=55.8
fwW=6.74
sdS=393.6
fwS=6.84
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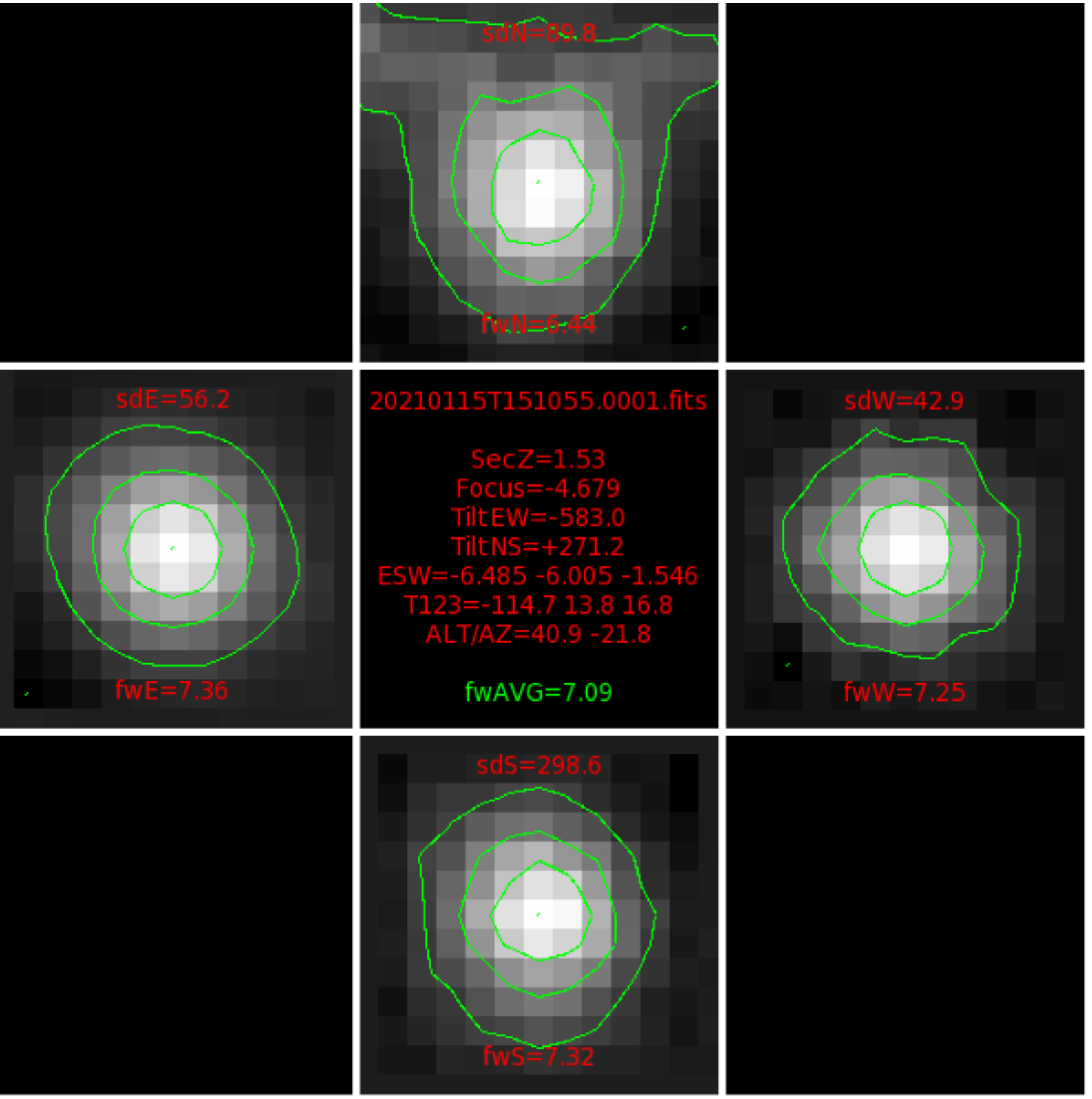
sdN=89.8
fwN=6.44
sdE=56.2
fwE=7.36
20210115T151055.0001.fits
SecZ=1.53
Focus=-4.679
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.485 -6.005 -1.546
T123=-114.7 13.8 16.8
ALT/AZ=40.9 -21.8
fwAVG=7.09
sdW=42.9
fwW=7.25
sdS=298.6
fwS=7.32
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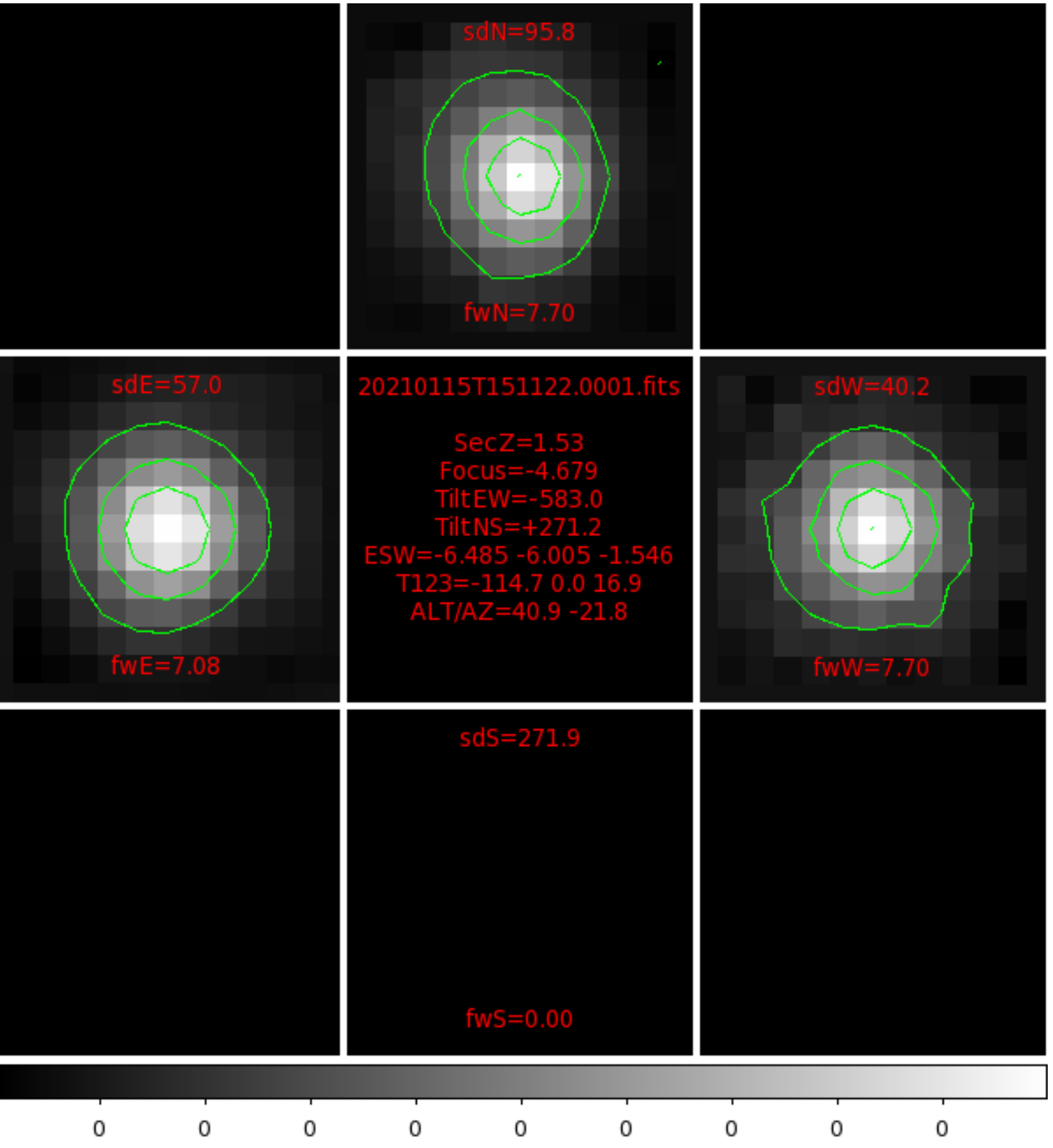
sdN=95.8
fwN=7.70
sdE=57.0
fwE=7.08
20210115T151122.0001.fits
SecZ=1.53
Focus=-4.679
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.485 -6.005 -1.546
T123=-114.7 0.0 16.9
ALT/AZ=40.9 -21.8
sdW=40.2
fwW=7.70
sdS=271.9
fwS=0.00
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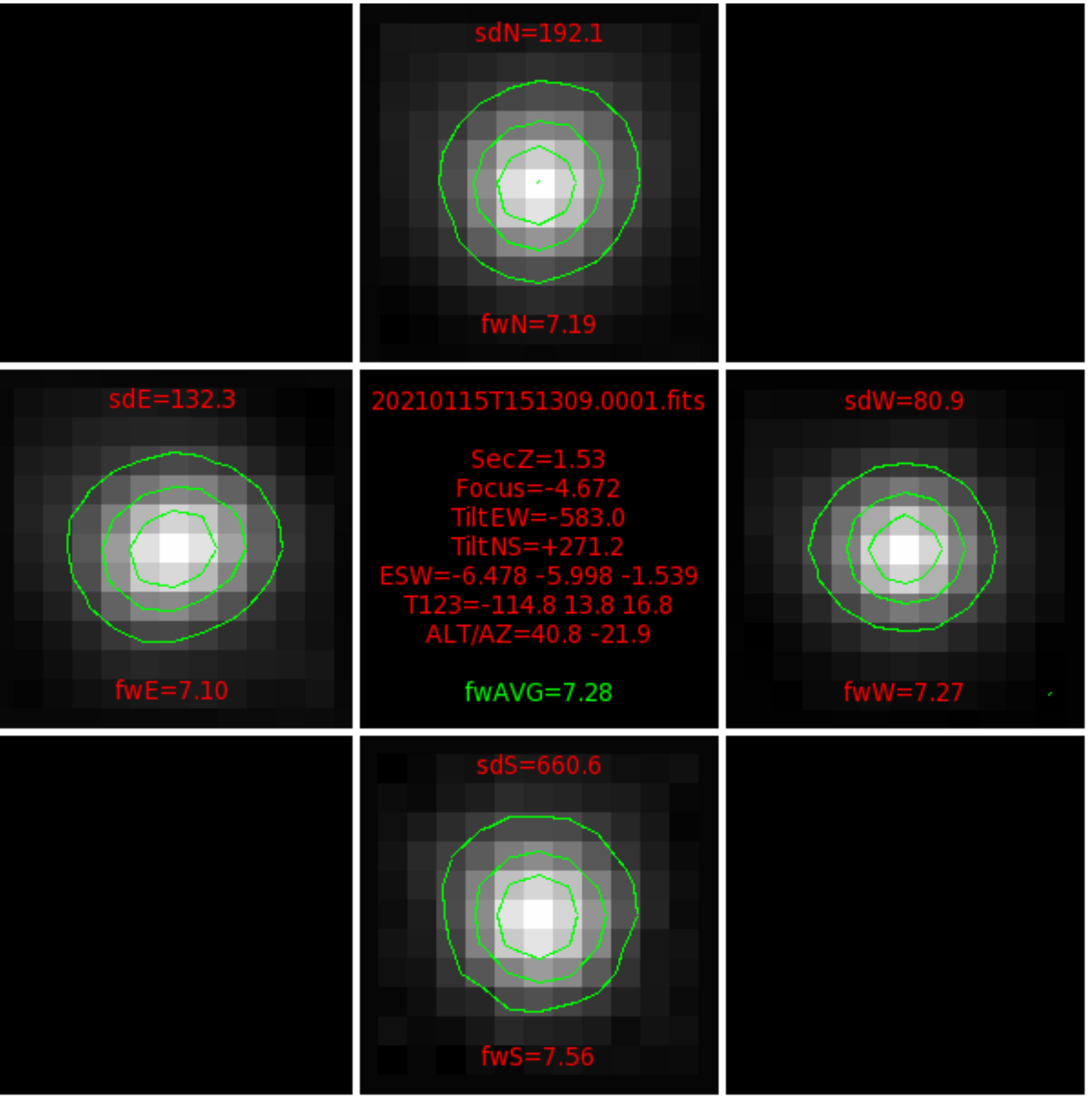
sdN=192.1
fwN=7.19
sdE=132.3
fwE=7.10
20210115T151309.0001.fits
SecZ=1.53
Focus=-4.672
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.478 -5.998 -1.539
T123=-114.8 13.8 16.8
ALT/AZ=40.8 -21.9
fwAVG=7.28
sdW=80.9
fwW=7.27
sdS=660.6
fwS=7.56
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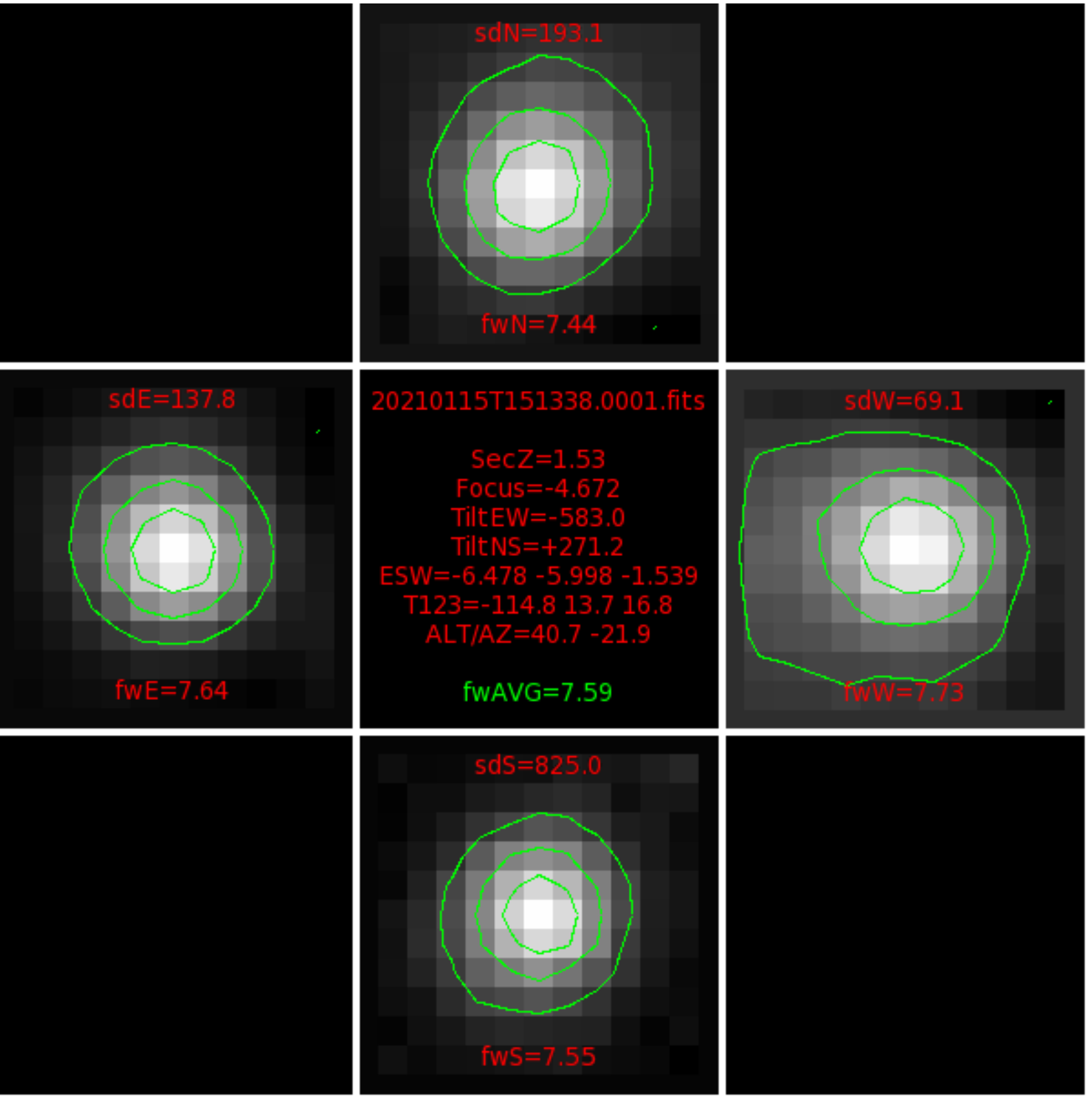
sdN=193.1
fwN=7.44
sdE=137.8
fwE=7.64
20210115T151338.0001.fits
SecZ=1.53
Focus=-4.672
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.478 -5.998 -1.539
T123=-114.8 13.7 16.8
ALT/AZ=40.7 -21.9
fwAVG=7.59
sdW=69.1
fwW=7.73
sdS=825.0
fwS=7.55
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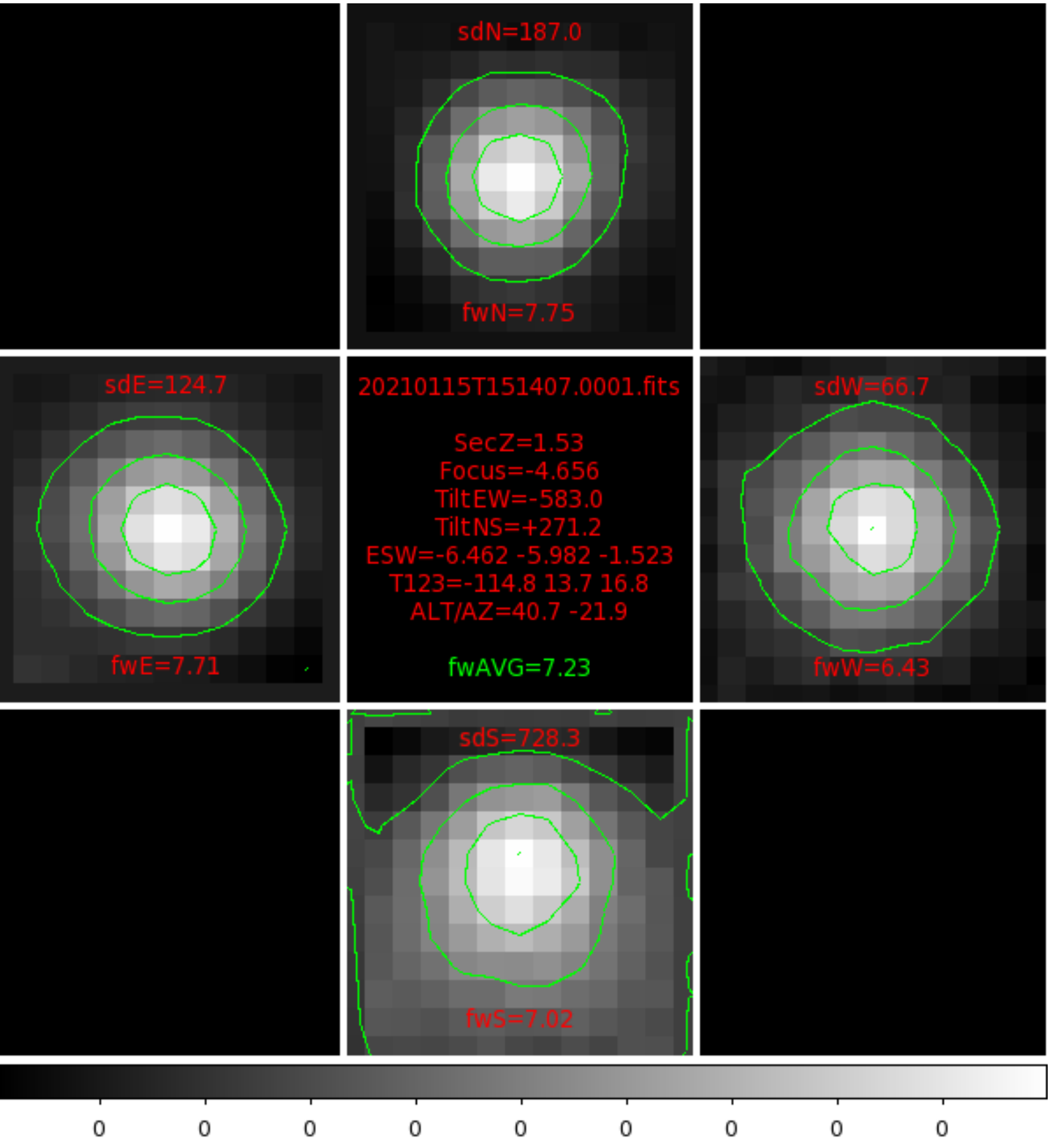
sdN=187.0
fwN=7.75
sdE=124.7
fwE=7.71
20210115T151407.0001.fits
SecZ=1.53
Focus=-4.656
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.462 -5.982 -1.523
T123=-114.8 13.7 16.8
ALT/AZ=40.7 -21.9
fwAVG=7.23
sdW=66.7
fwW=6.43
sdS=728.3
fwS=7.02
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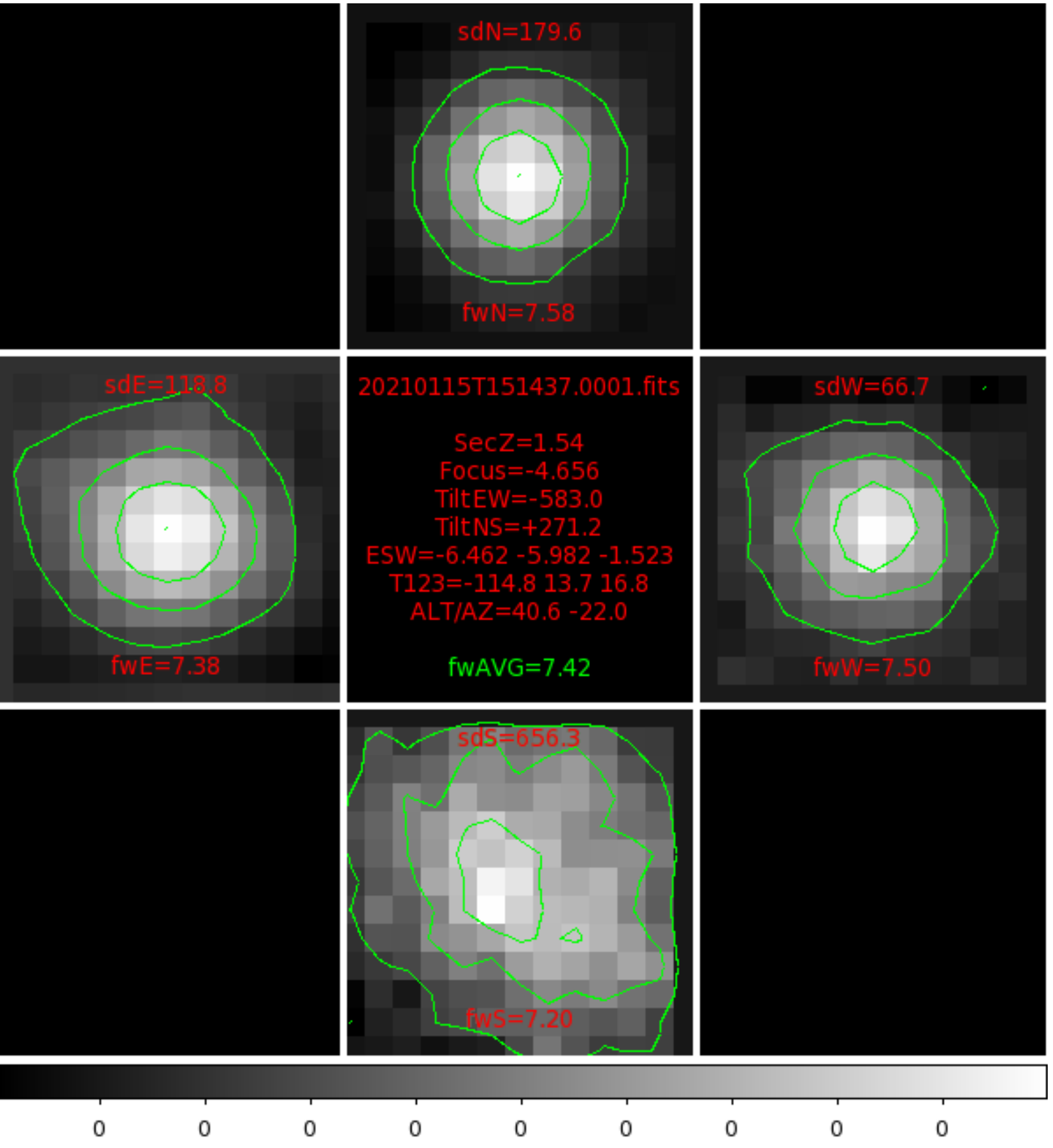
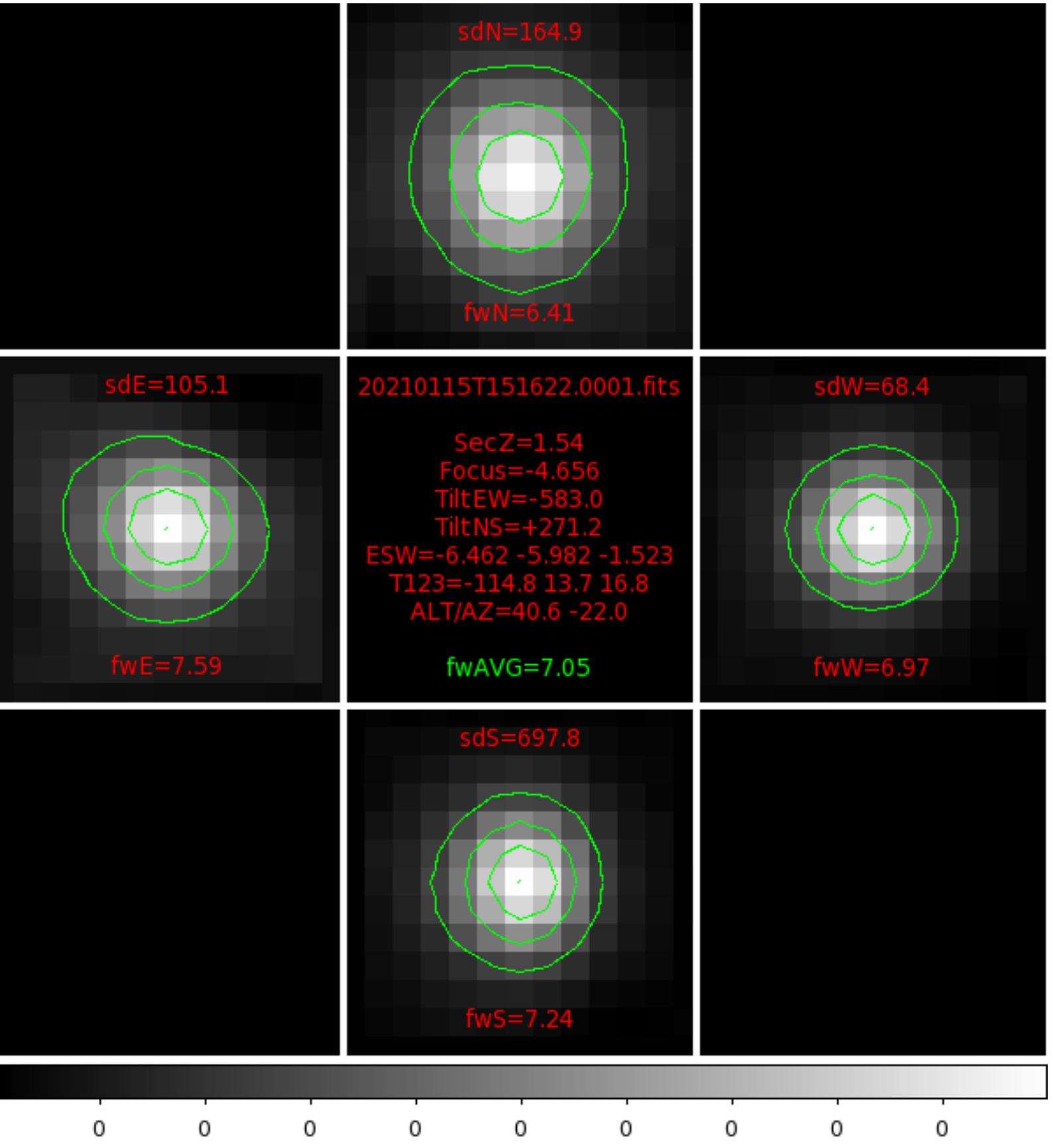

sdN=179.6
fwN=7.58
sdE=118.8
fwE=7.38
20210115T151437.0001.fits
SecZ=1.54
Focus=-4.656
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.462 -5.982 -1.523
T123=-114.8 13.7 16.8
ALT/AZ=40.6 -22.0
fwAVG=7.42
sdW=66.7
fwW=7.50
sdS=656.3
fwS=7.20
0 0 0 0 0 0 0 0 0


sdN=164.9
fwN=6.41
sdE=105.1
fwE=7.59
20210115T151622.0001.fits
SecZ=1.54
Focus=-4.656
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.462 -5.982 -1.523
T123=-114.8 13.7 16.8
ALT/AZ=40.6 -22.0
fwAVG=7.05
sdW=68.4
fwW=6.97
sdS=697.8
fwS=7.24
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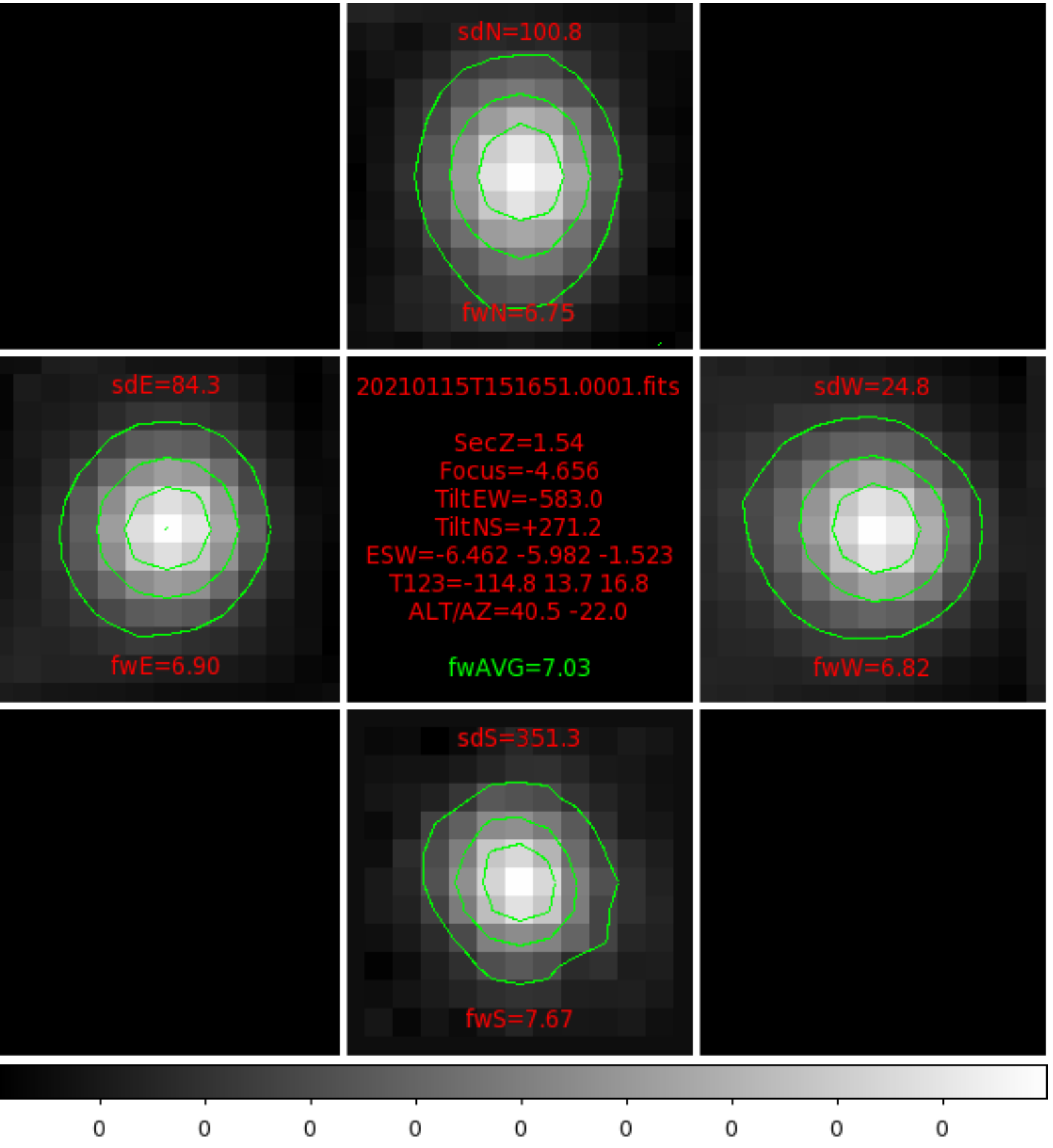
sdN=100.8
fwN=6.75
sdE=84.3
fwE=6.90
20210115T151651.0001.fits
SecZ=1.54
Focus=-4.656
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.462 -5.982 -1.523
T123=-114.8 13.7 16.8
ALT/AZ=40.5 -22.0
fwAVG=7.03
sdW=24.8
fwW=6.82
sdS=351.3
fwS=7.67
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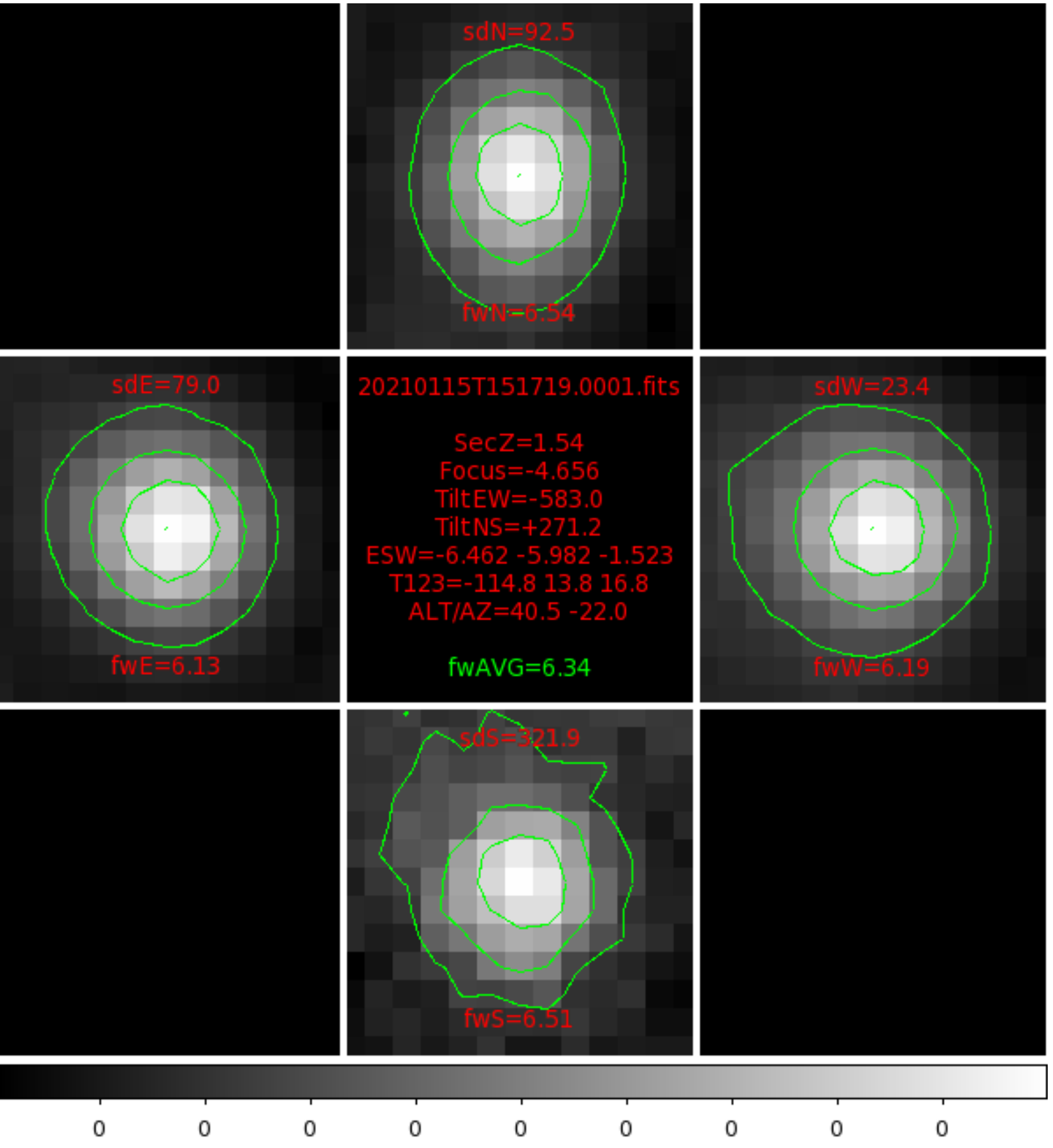
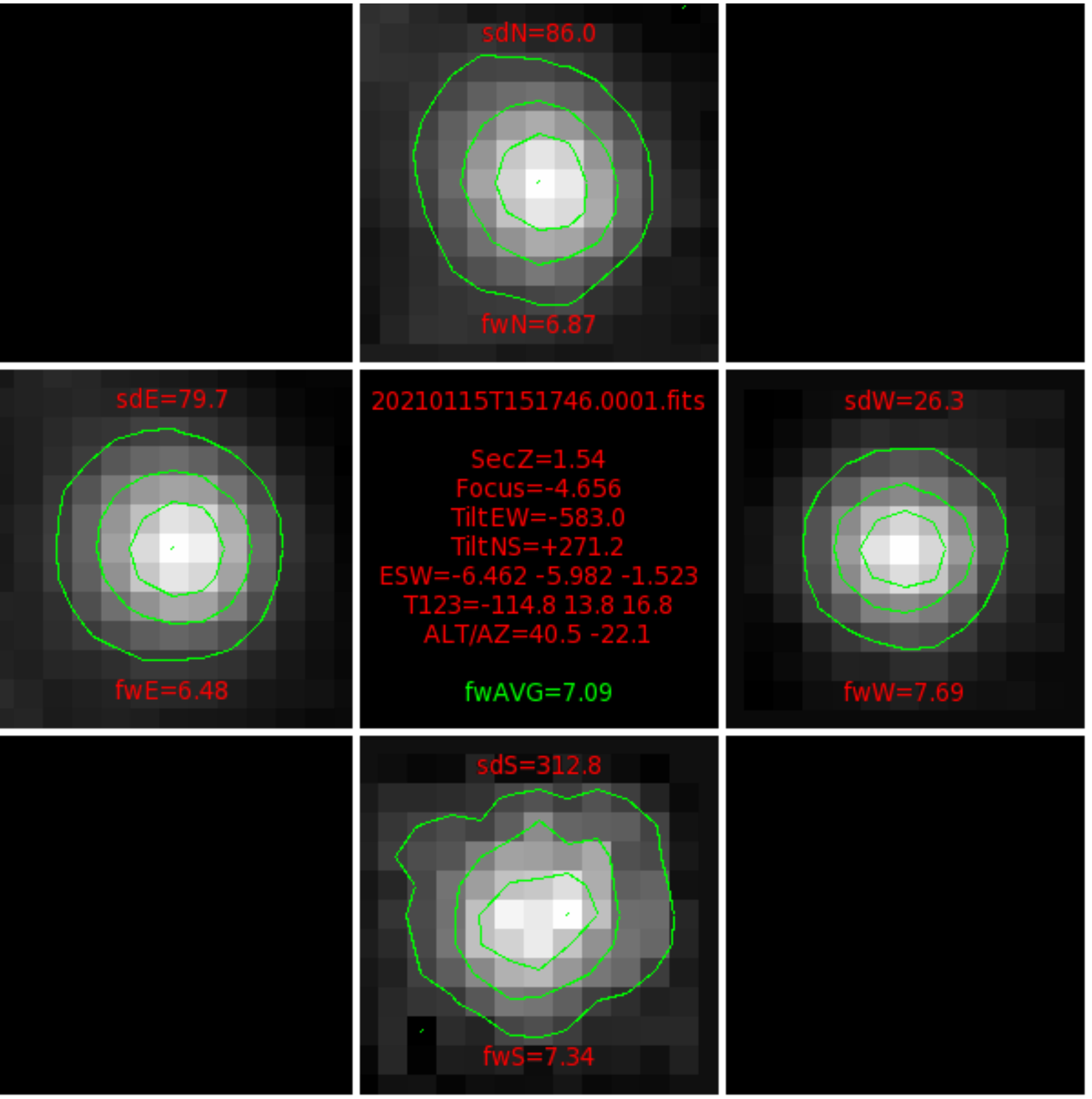

sdN=92.5
fwN=6.54
sdE=79.0
fwE=6.13
20210115T151719.0001.fits
SecZ=1.54
Focus=-4.656
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.462 -5.982 -1.523
T123=-114.8 13.8 16.8
ALT/AZ=40.5 -22.0
fwAVG=6.34
sdW=23.4
fwW=6.19
sdS=321.9
fwS=6.51
0 0 0 0 0 0 0 0 0


sdN=86.0
fwN=6.87
sdE=79.7
fwE=6.48
20210115T151746.0001.fits
SecZ=1.54
Focus=-4.656
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.462 -5.982 -1.523
T123=-114.8 13.8 16.8
ALT/AZ=40.5 -22.1
fwAVG=7.09
sdW=26.3
fwW=7.69
sdS=312.8
fwS=7.34
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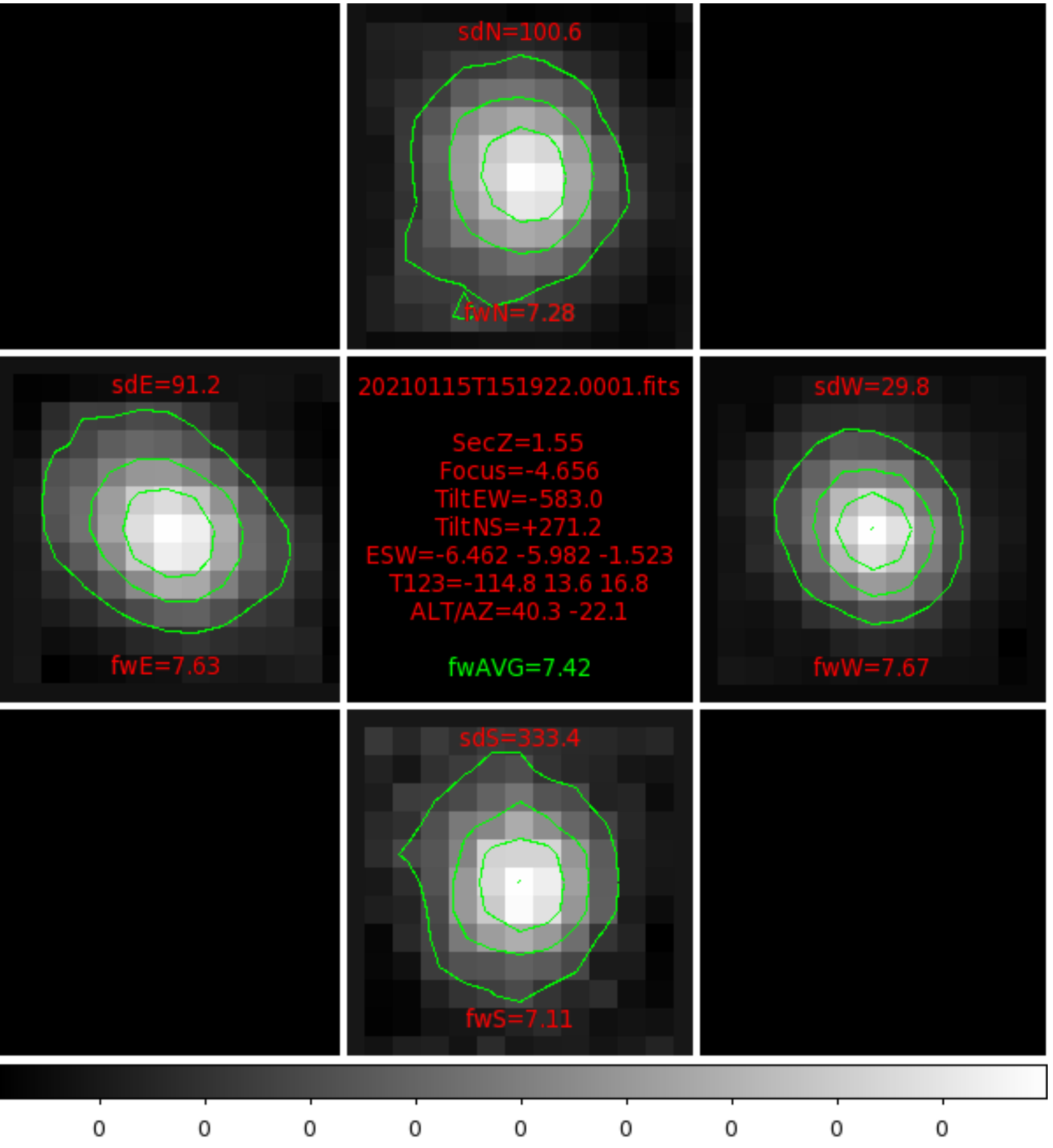
sdN=100.6
fwN=7.28
sdE=91.2
fwE=7.63
20210115T151922.0001.fits
SecZ=1.55
Focus=-4.656
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.462 -5.982 -1.523
T123=-114.8 13.6 16.8
ALT/AZ=40.3 -22.1
fwAVG=7.42
sdW=29.8
fwW=7.67
sdS=333.4
fwS=7.11
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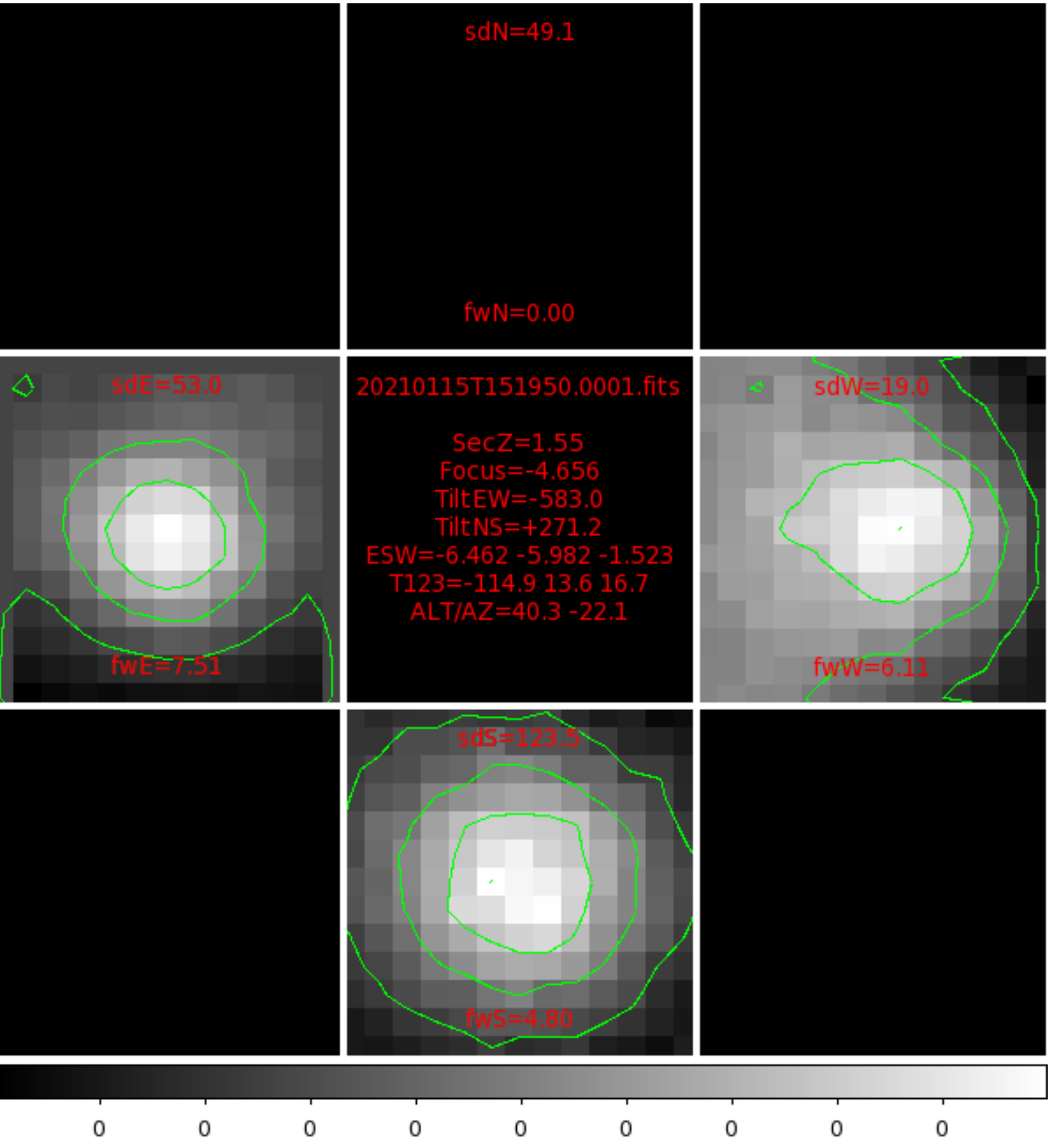
sdN=49.1
fwN=0.00
sdE=53.0
fwE=7.51
20210115T151950.0001.fits
SecZ=1.55
Focus=-4.656
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.462 -5.982 -1.523
T123=-114.9 13.6 16.7
ALT/AZ=40.3 -22.1
sdW=19.0
fwW=6.11
sdS=123.5
fwS=4.80
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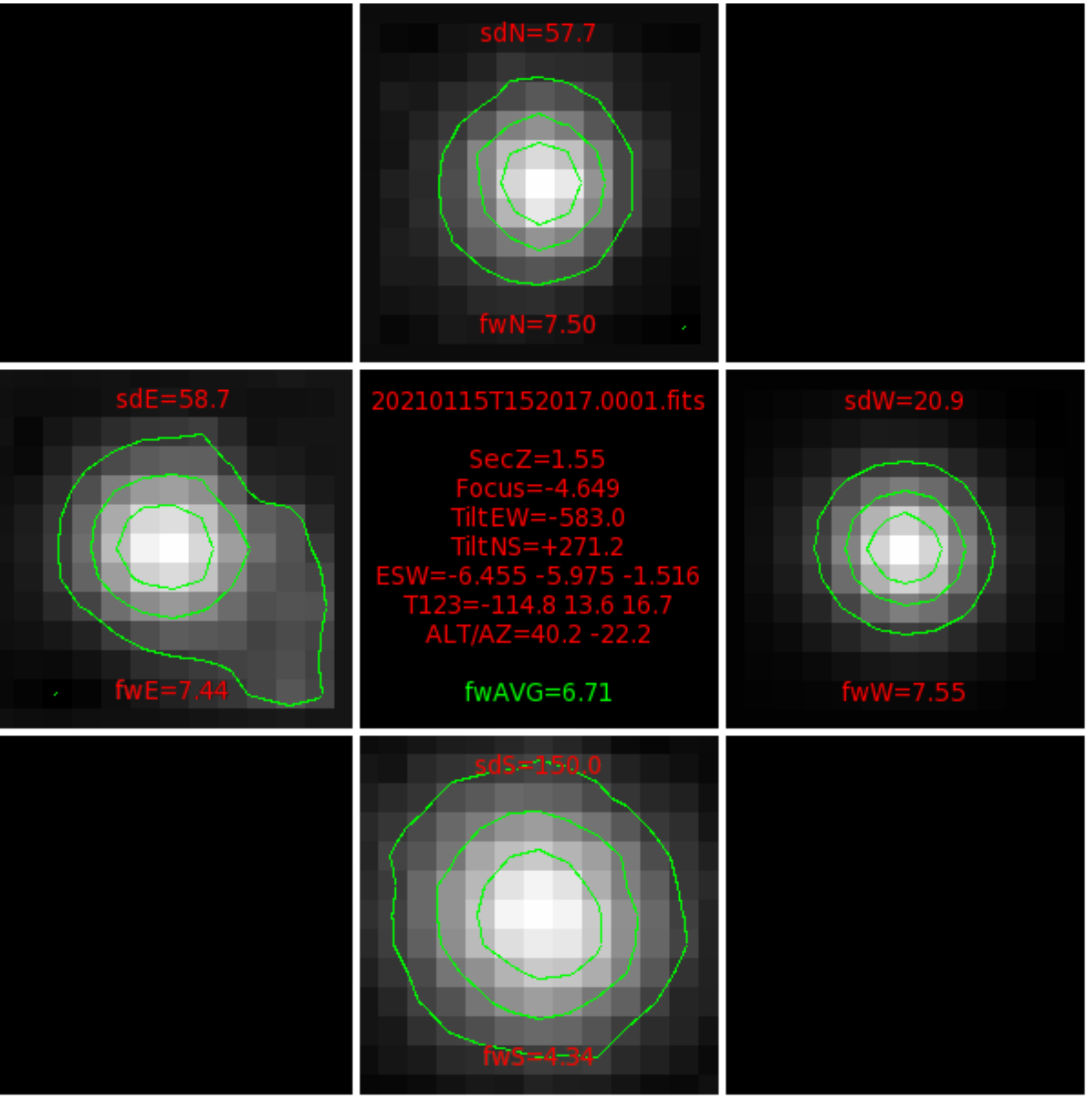
sdN=57.7
fwN=7.50
sdE=58.7
fwE=7.44
20210115T152017.0001.fits
SecZ=1.55
Focus=-4.649
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.455 -5.975 -1.516
T123=-114.8 13.6 16.7
ALT/AZ=40.2 -22.2
fwAVG=6.71
sdW=20.9
fwW=7.55
sdS=-150.0
fwS=4.34
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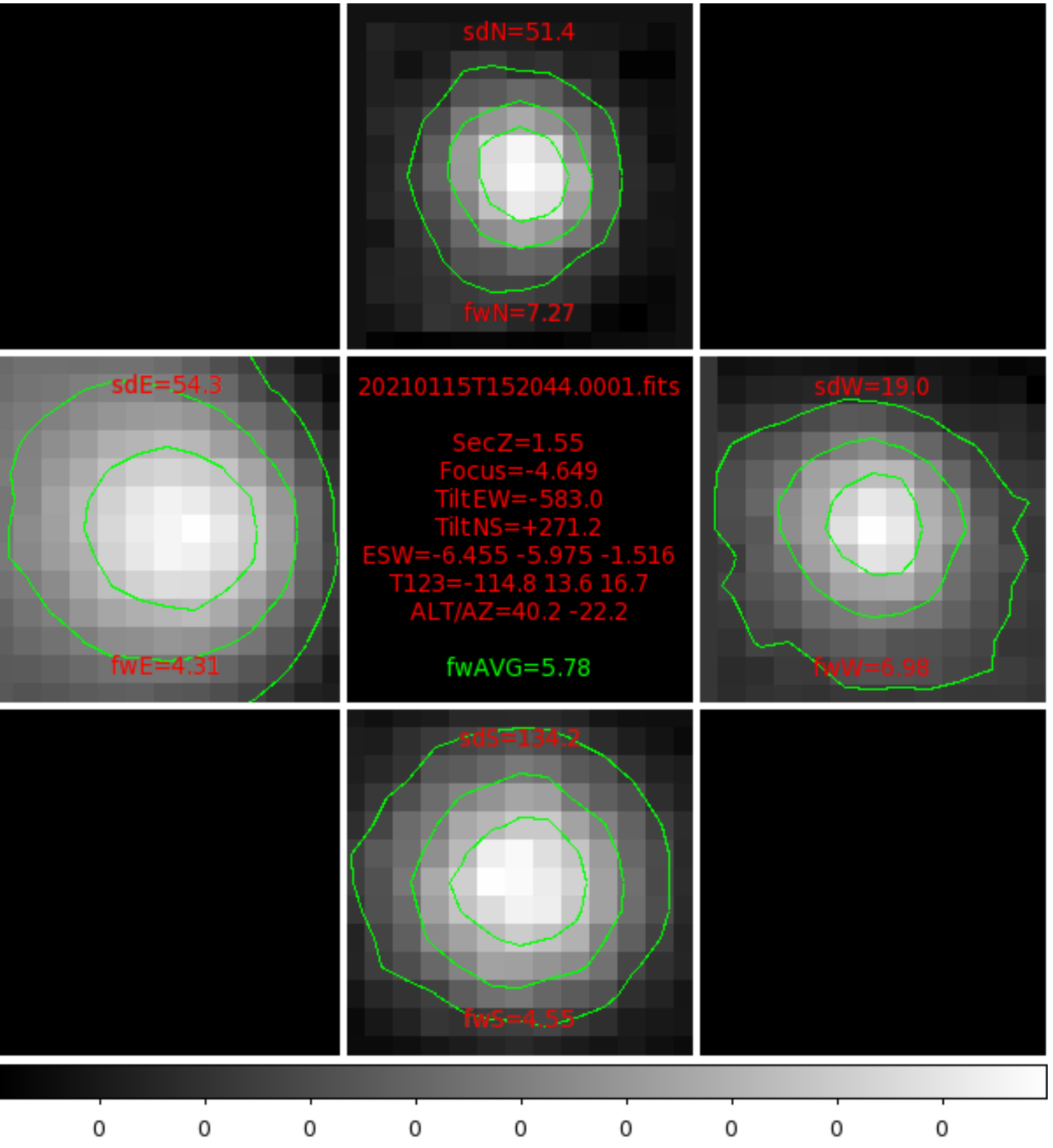
sdN=51.4
fwN=7.27
sdE=54.3
fwE=4.31
20210115T152044.0001.fits
SecZ=1.55
Focus=-4.649
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.455 -5.975 -1.516
T123=-114.8 13.6 16.7
ALT/AZ=40.2 -22.2
fwAVG=5.78
sdW=19.0
fwW=6.98
sdS=134.2
fwS=4.55
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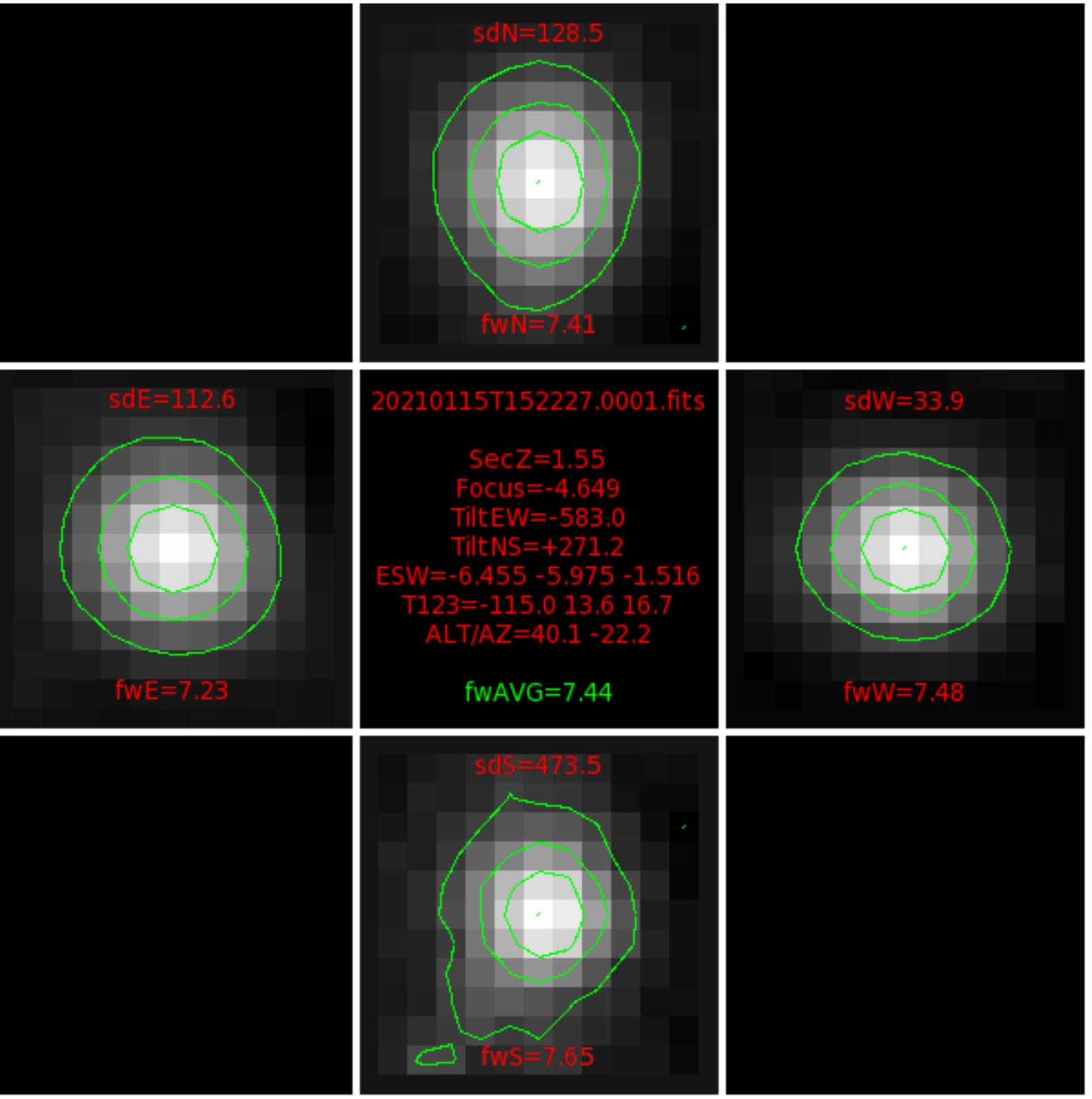
sdN=128.5
fwN=7.41
sdE=112.6
fwE=7.23
20210115T152227.0001.fits
SecZ=1.55
Focus=-4.649
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.455 -5.975 -1.516
T123=-115.0 13.6 16.7
ALT/AZ=40.1 -22.2
fwAVG=7.44
sdW=33.9
fwW=7.48
sdS=473.5
fwS=7.65
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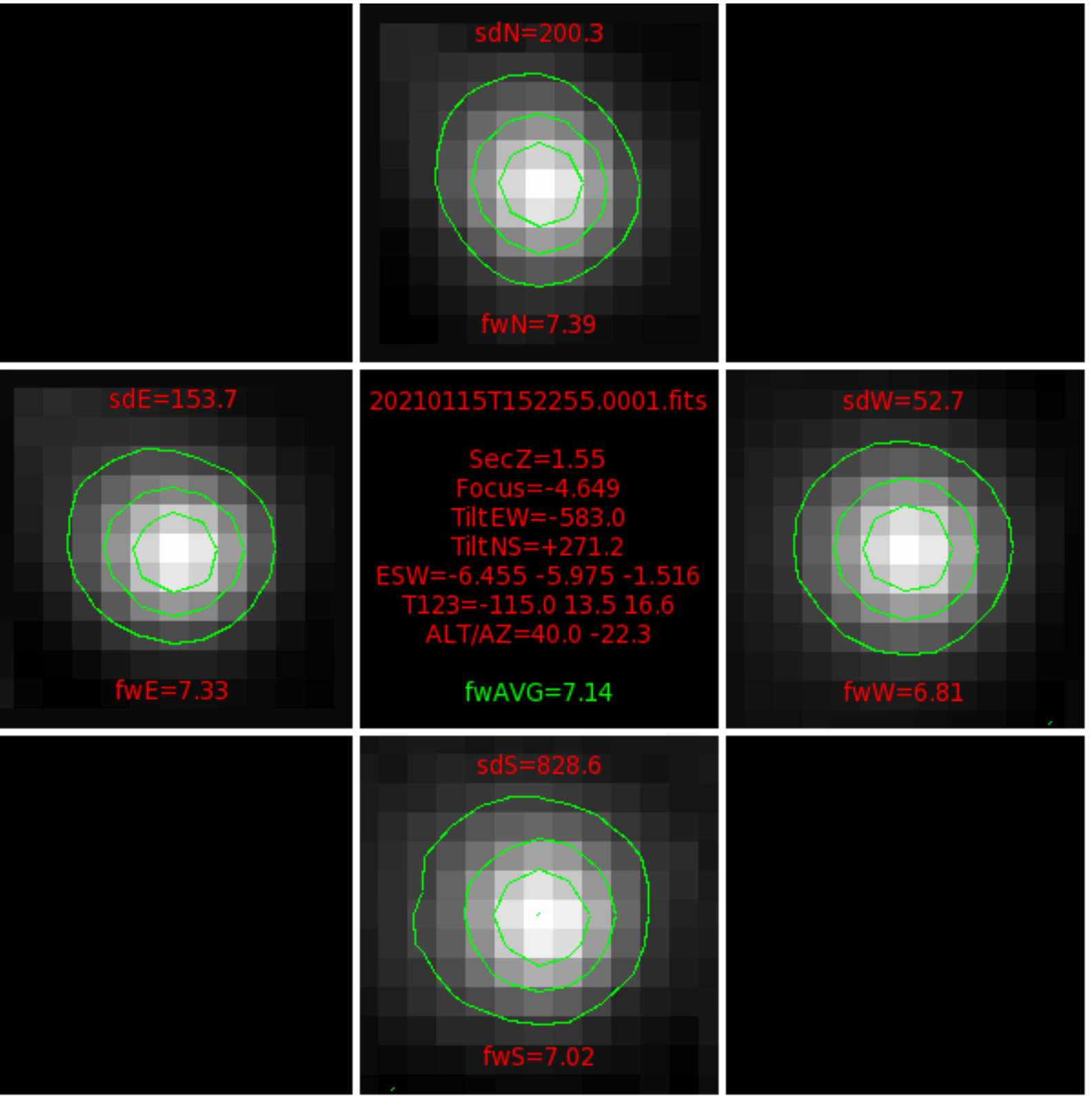
sdN=200.3
fwN=7.39
sdE=153.7
fwE=7.33
20210115T152255.0001.fits
SecZ=1.55
Focus=-4.649
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.455 -5.975 -1.516
T123=-115.0 13.5 16.6
ALT/AZ=40.0 -22.3
fwAVG=7.14
sdW=52.7
fwW=6.81
sdS=828.6
fwS=7.02
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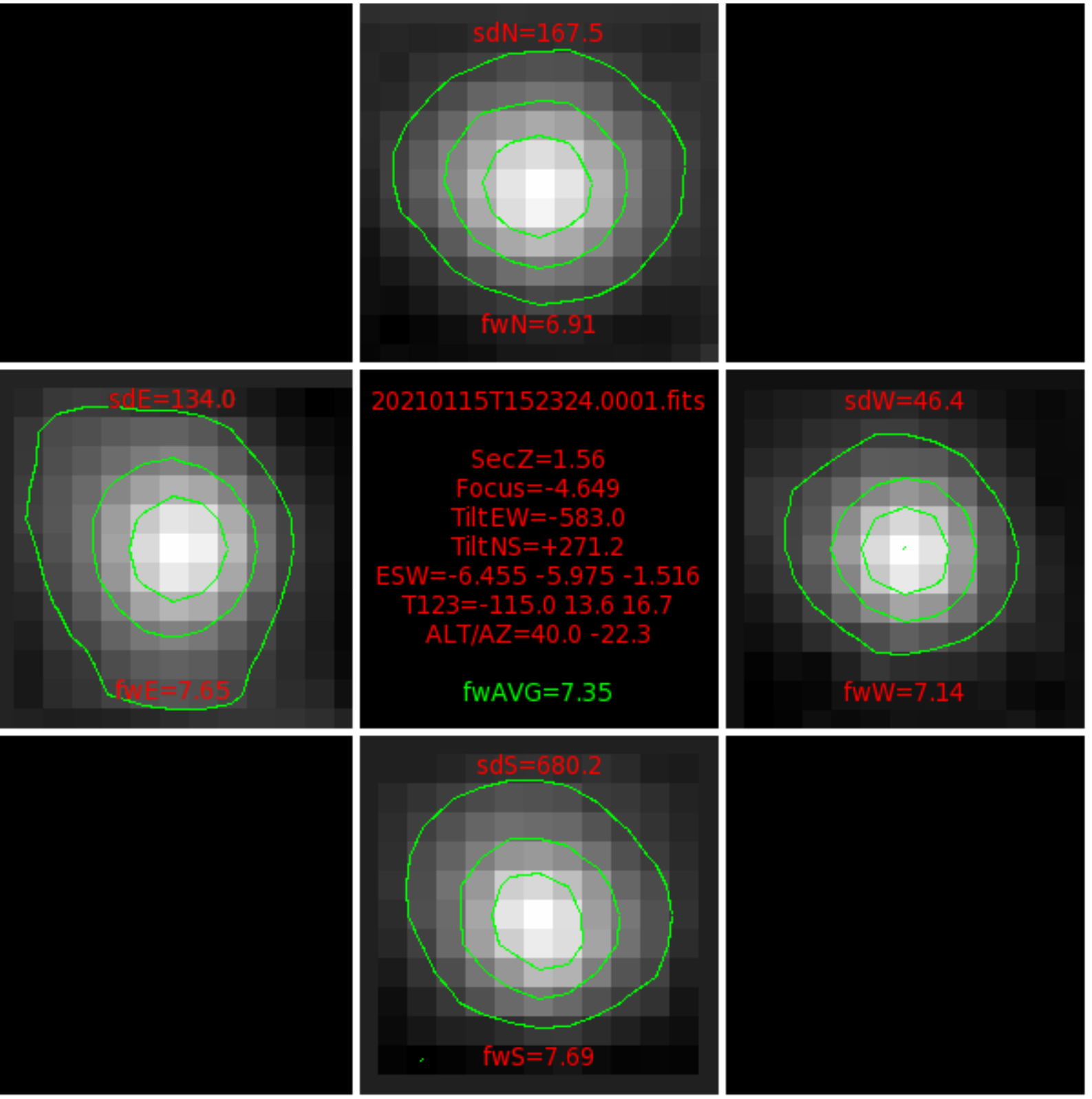
sdN=167.5
fwN=6.91
sdE=134.0
fwE=7.65
20210115T152324.0001.fits
SecZ=1.56
Focus=-4.649
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.455 -5.975 -1.516
T123=-115.0 13.6 16.7
ALT/AZ=40.0 -22.3
fwAVG=7.35
sdW=46.4
fwW=7.14
sdS=680.2
fwS=7.69
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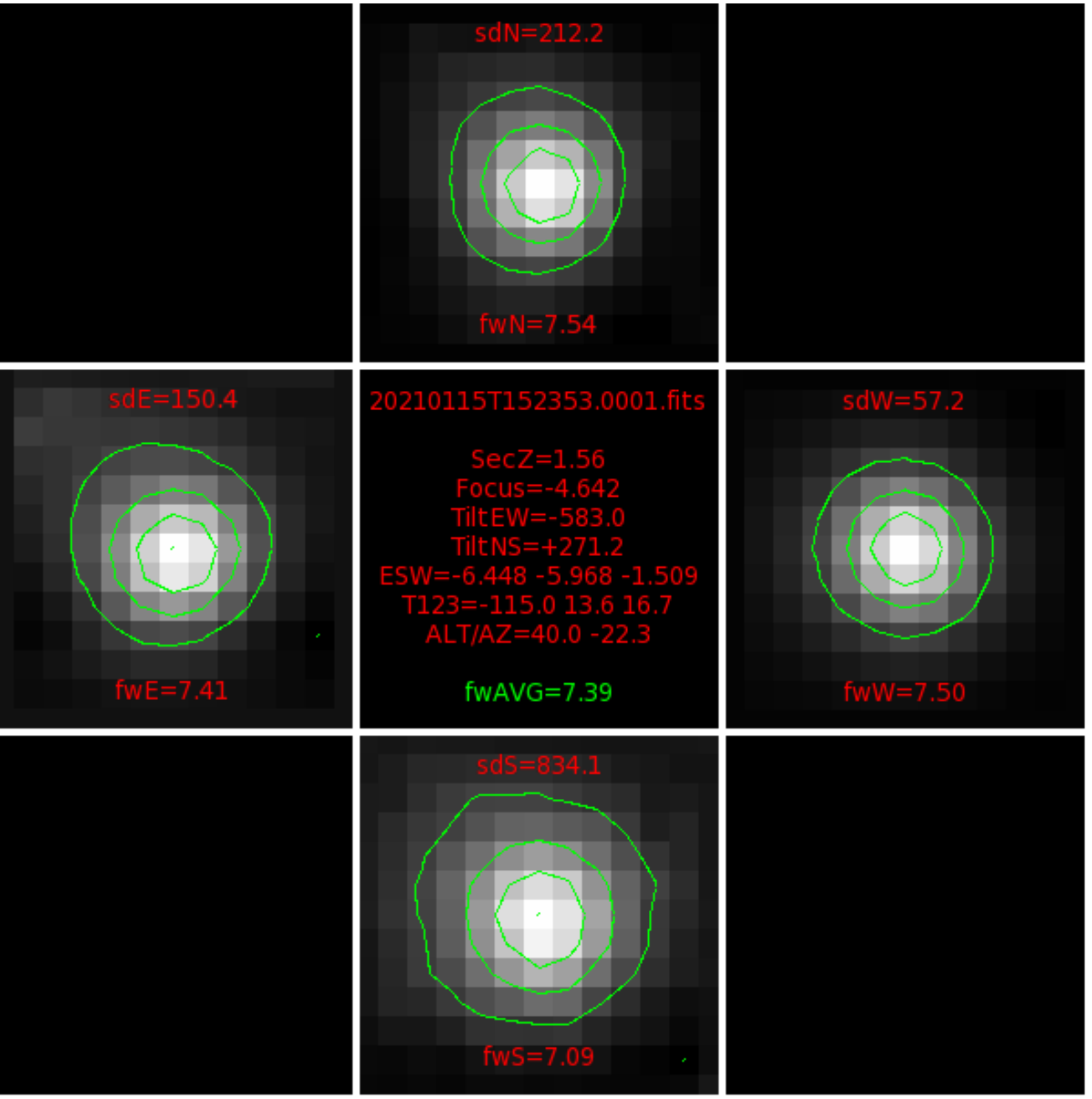
sdN=212.2
fwN=7.54
sdE=150.4
fwE=7.41
20210115T152353.0001.fits
SecZ=1.56
Focus=-4.642
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.448 -5.968 -1.509
T123=-115.0 13.6 16.7
ALT/AZ=40.0 -22.3
fwAVG=7.39
sdW=57.2
fwW=7.50
sdS=834.1
fwS=7.09
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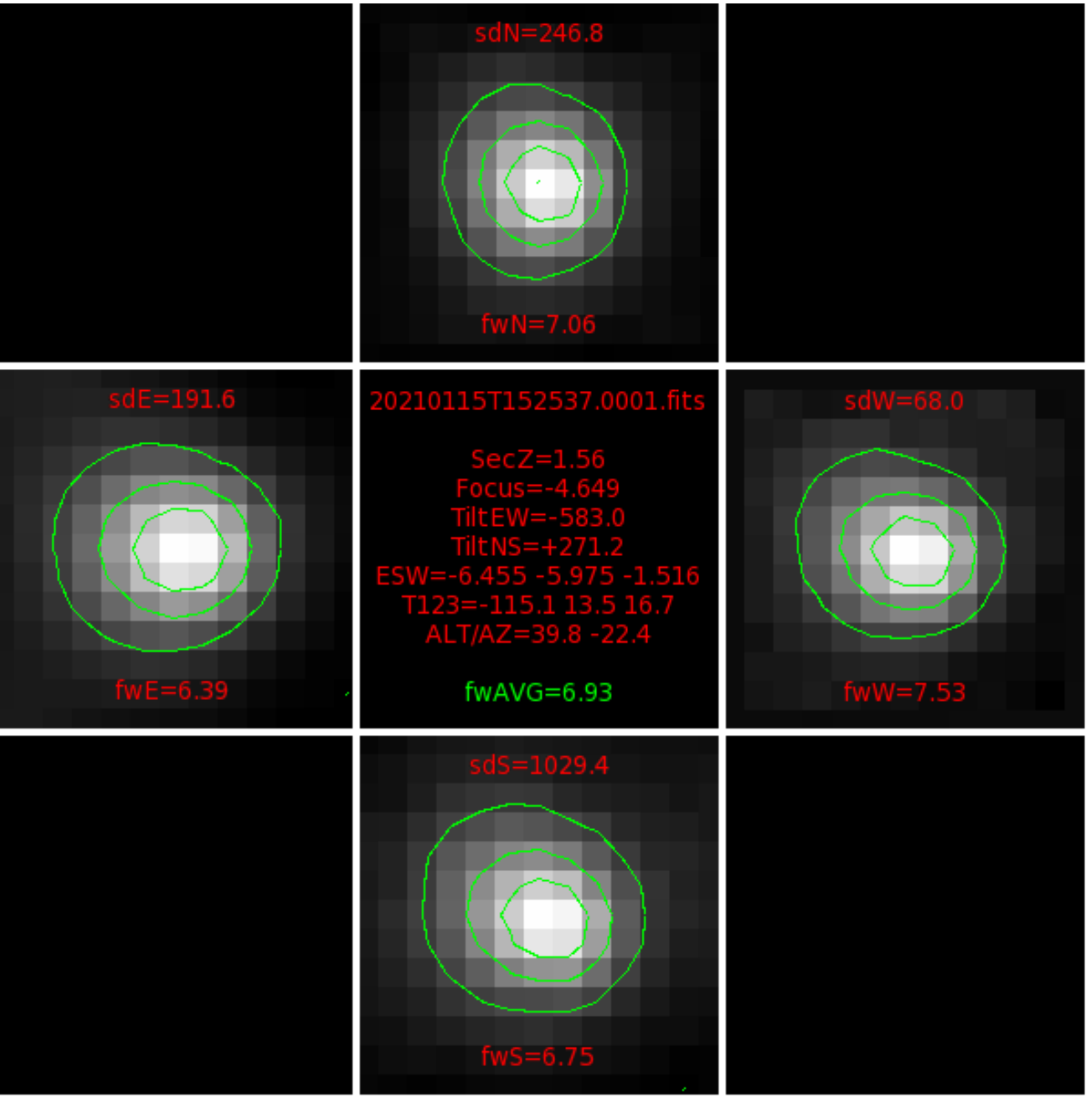
sdN=246.8
fwN=7.06
sdE=191.6
fwE=6.39
20210115T152537.0001.fits
SecZ=1.56
Focus=-4.649
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.455 -5.975 -1.516
T123=-115.1 13.5 16.7
ALT/AZ=39.8 -22.4
fwAVG=6.93
sdW=68.0
fwW=7.53
sdS=1029.4
fwS=6.75
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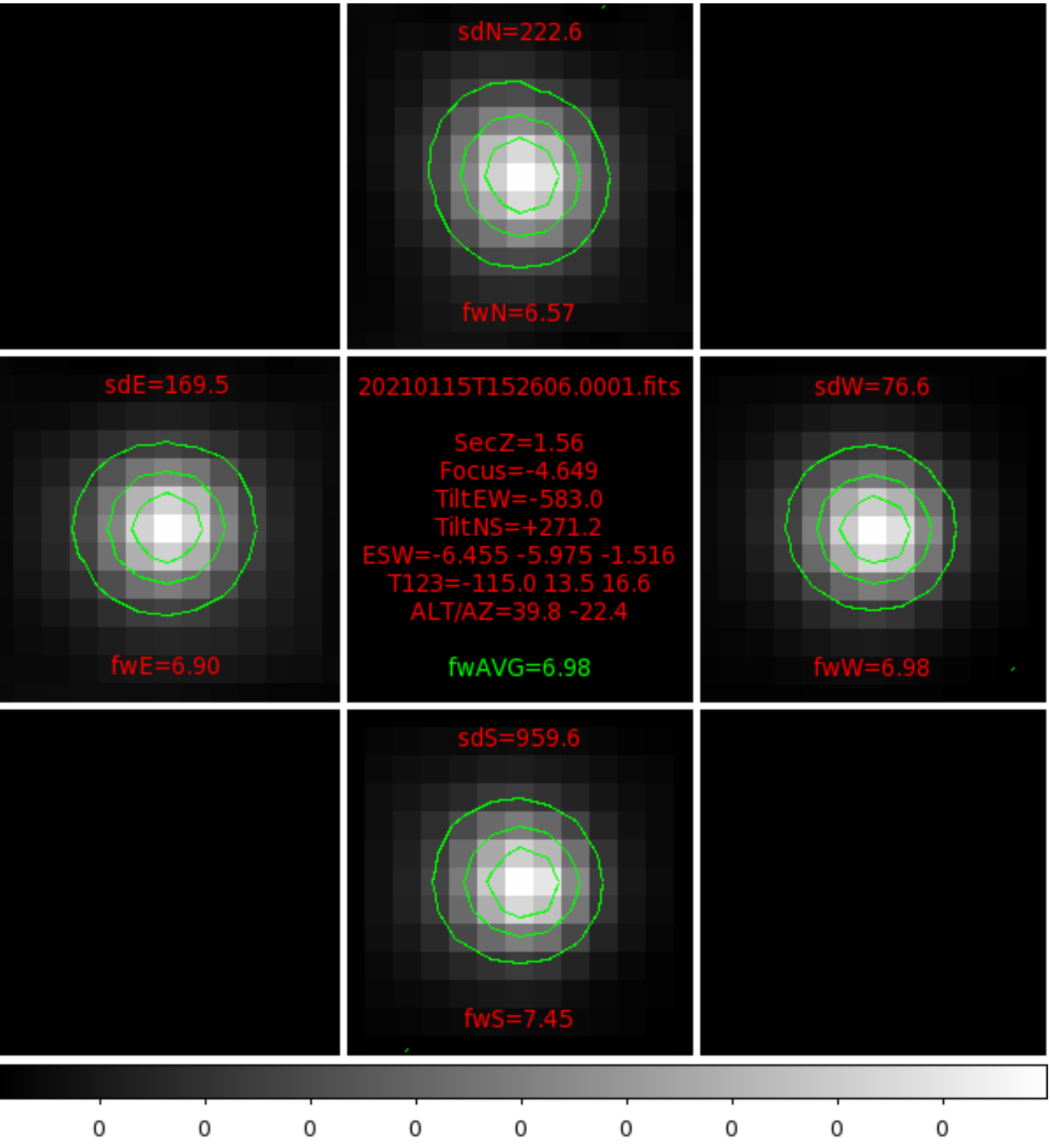
sdN=222.6
fwN=6.57
sdE=169.5
fwE=6.90
20210115T152606.0001.fits
SecZ=1.56
Focus=-4.649
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.455 -5.975 -1.516
T123=-115.0 13.5 16.6
ALT/AZ=39.8 -22.4
fwAVG=6.98
sdW=76.6
fwW=6.98
sdS=959.6
fwS=7.45
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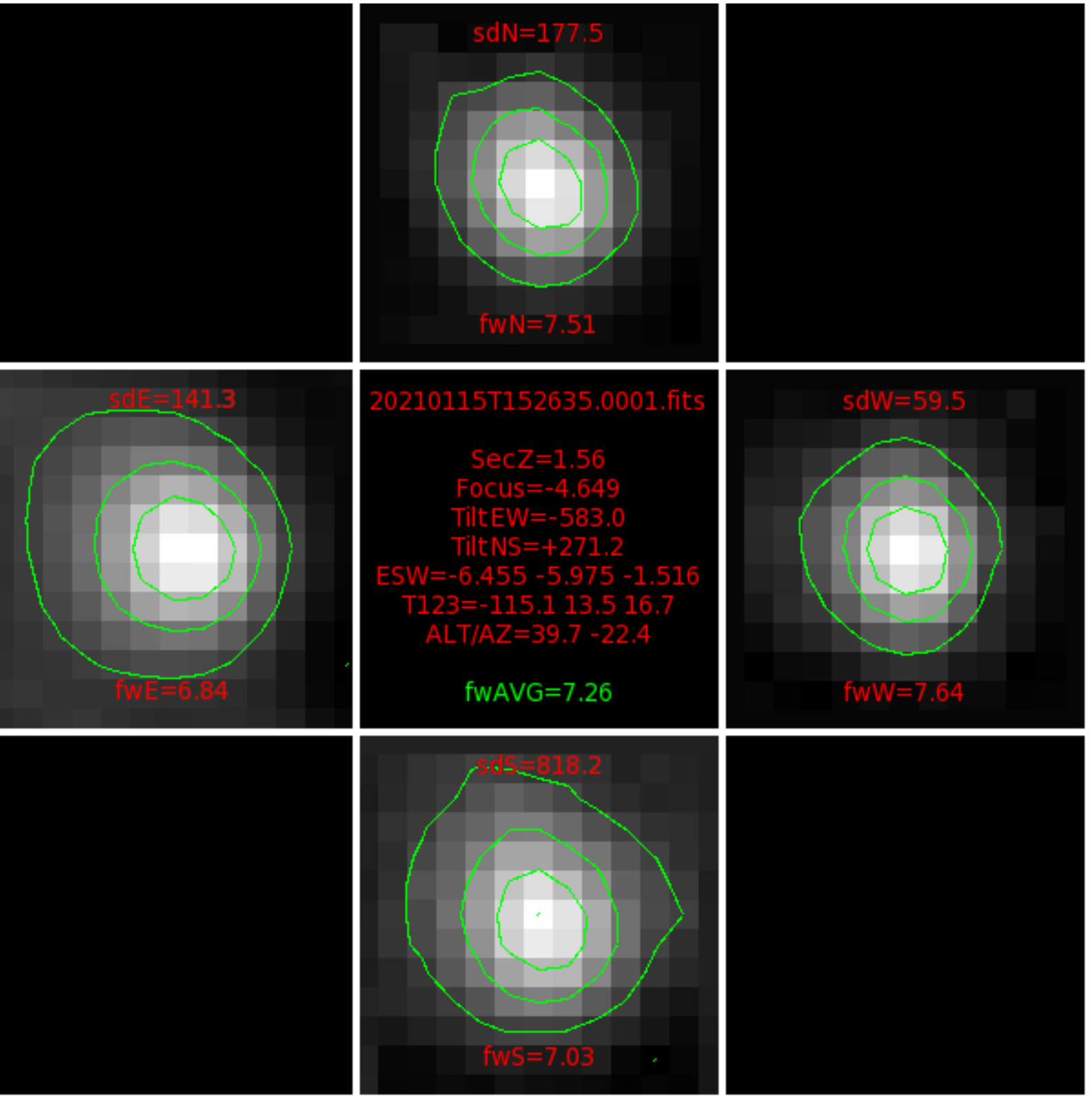
sdN=177.5
fwN=7.51
sdE=141.3
fwE=6.84
20210115T152635.0001.fits
SecZ=1.56
Focus=-4.649
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.455 -5.975 -1.516
T123=-115.1 13.5 16.7
ALT/AZ=39.7 -22.4
fwAVG=7.26
sdW=59.5
fwW=7.64
sdS=818.2
fwS=7.03
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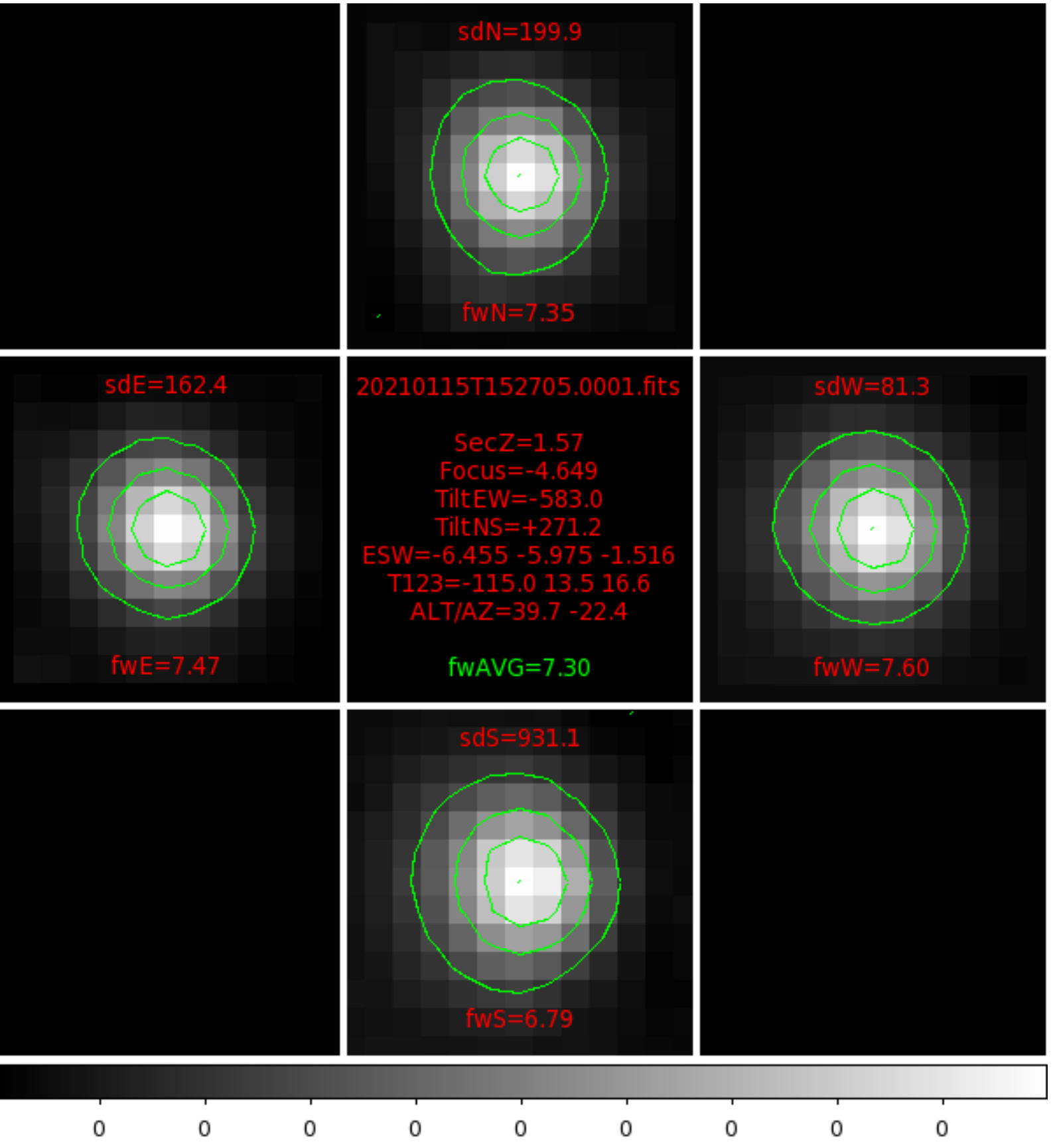
sdN=199.9
fwN=7.35
sdE=162.4
fwE=7.47
20210115T152705.0001.fits
SecZ=1.57
Focus=-4.649
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.455 -5.975 -1.516
T123=-115.0 13.5 16.6
ALT/AZ=39.7 -22.4
fwAVG=7.30
sdW=81.3
fwW=7.60
sdS=931.1
fwS=6.79
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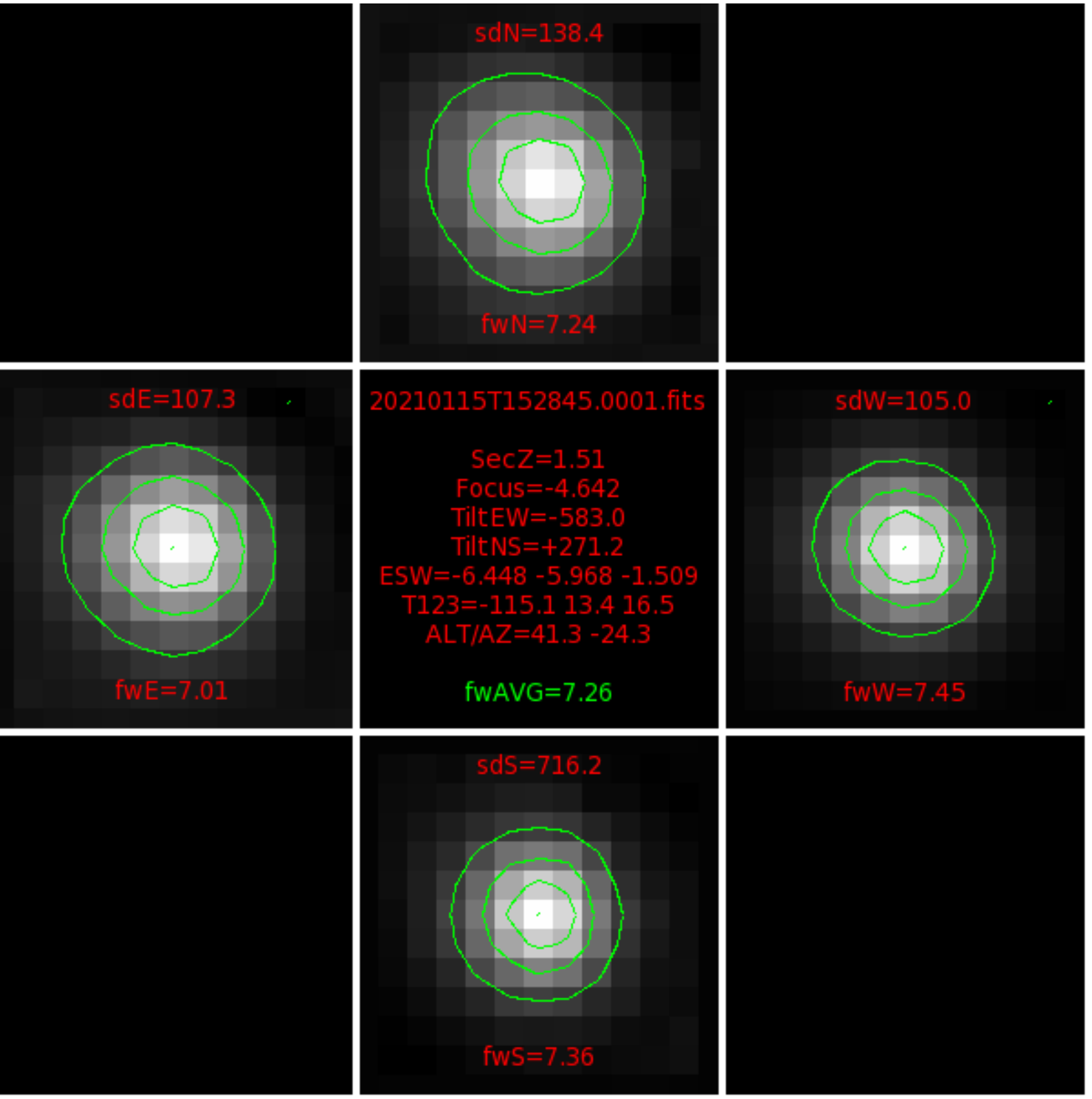
sdN=138.4
fwN=7.24
sdE=107.3
fwE=7.01
20210115T152845.0001.fits
SecZ=1.51
Focus=-4.642
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.448 -5.968 -1.509
T123=-115.1 13.4 16.5
ALT/AZ=41.3 -24.3
fwAVG=7.26
sdW=105.0
fwW=7.45
sdS=716.2
fwS=7.36
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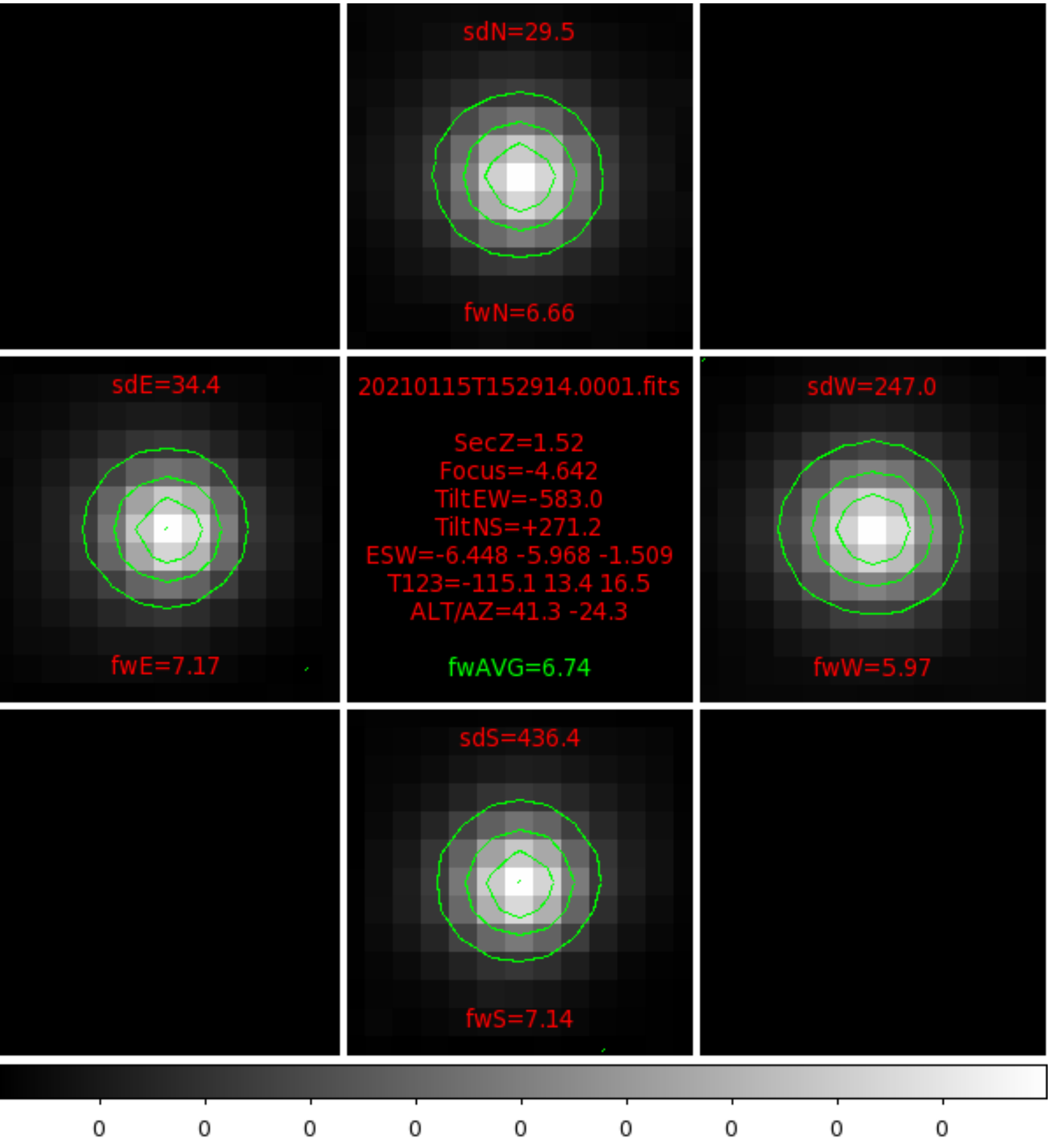
sdN=29.5
fwN=6.66
sdE=34.4
fwE=7.17
20210115T152914.0001.fits
SecZ=1.52
Focus=-4.642
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.448 -5.968 -1.509
T123=-115.1 13.4 16.5
ALT/AZ=41.3 -24.3
fwAVG=6.74
sdW=247.0
fwW=5.97
sdS=436.4
fwS=7.14
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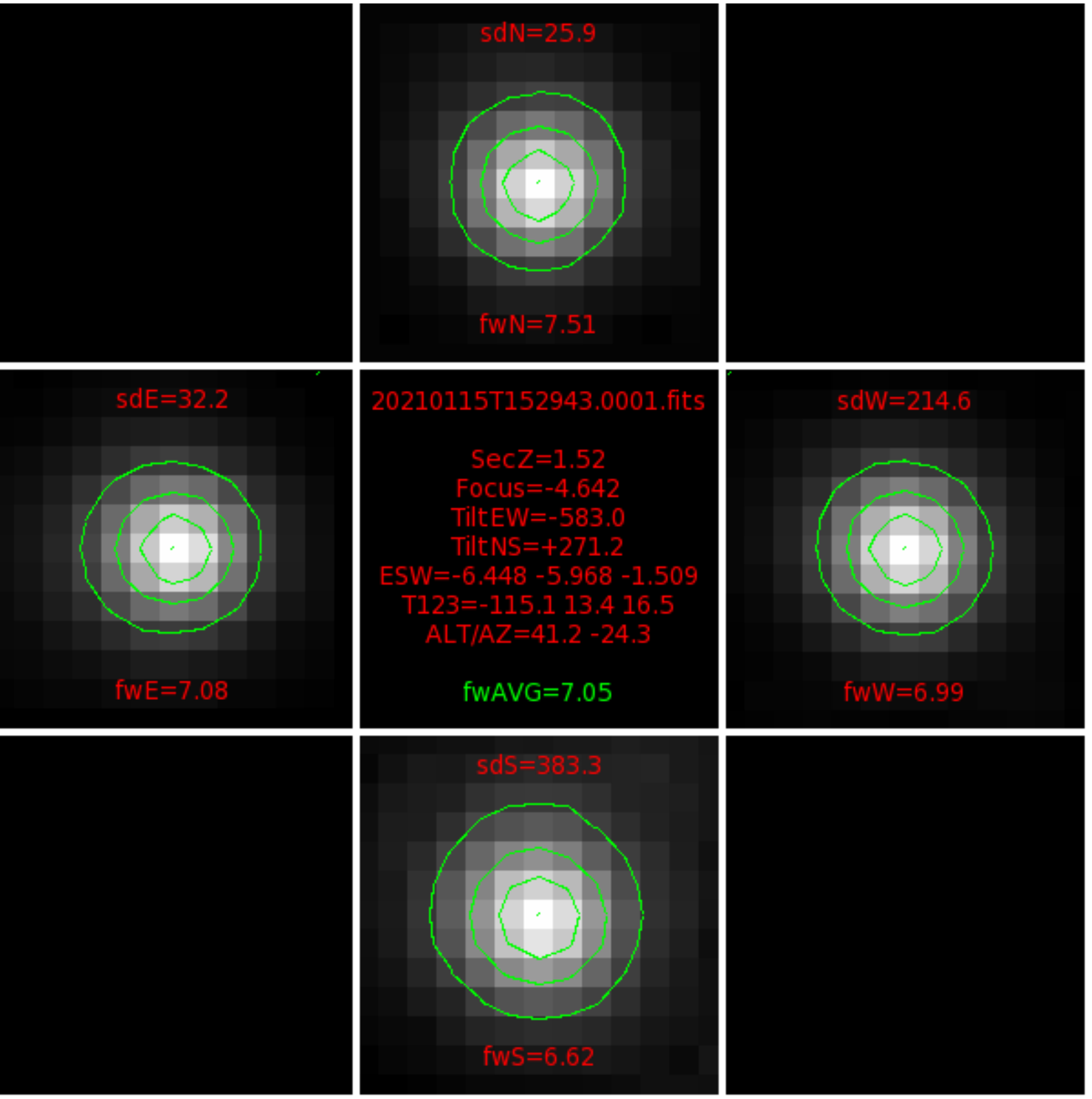
sdN=25.9
fwN=7.51
sdE=32.2
fwE=7.08
20210115T152943.0001.fits
SecZ=1.52
Focus=-4.642
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.448 -5.968 -1.509
T123=-115.1 13.4 16.5
ALT/AZ=41.2 -24.3
fwAVG=7.05
sdW=214.6
fwW=6.99
sdS=383.3
fwS=6.62
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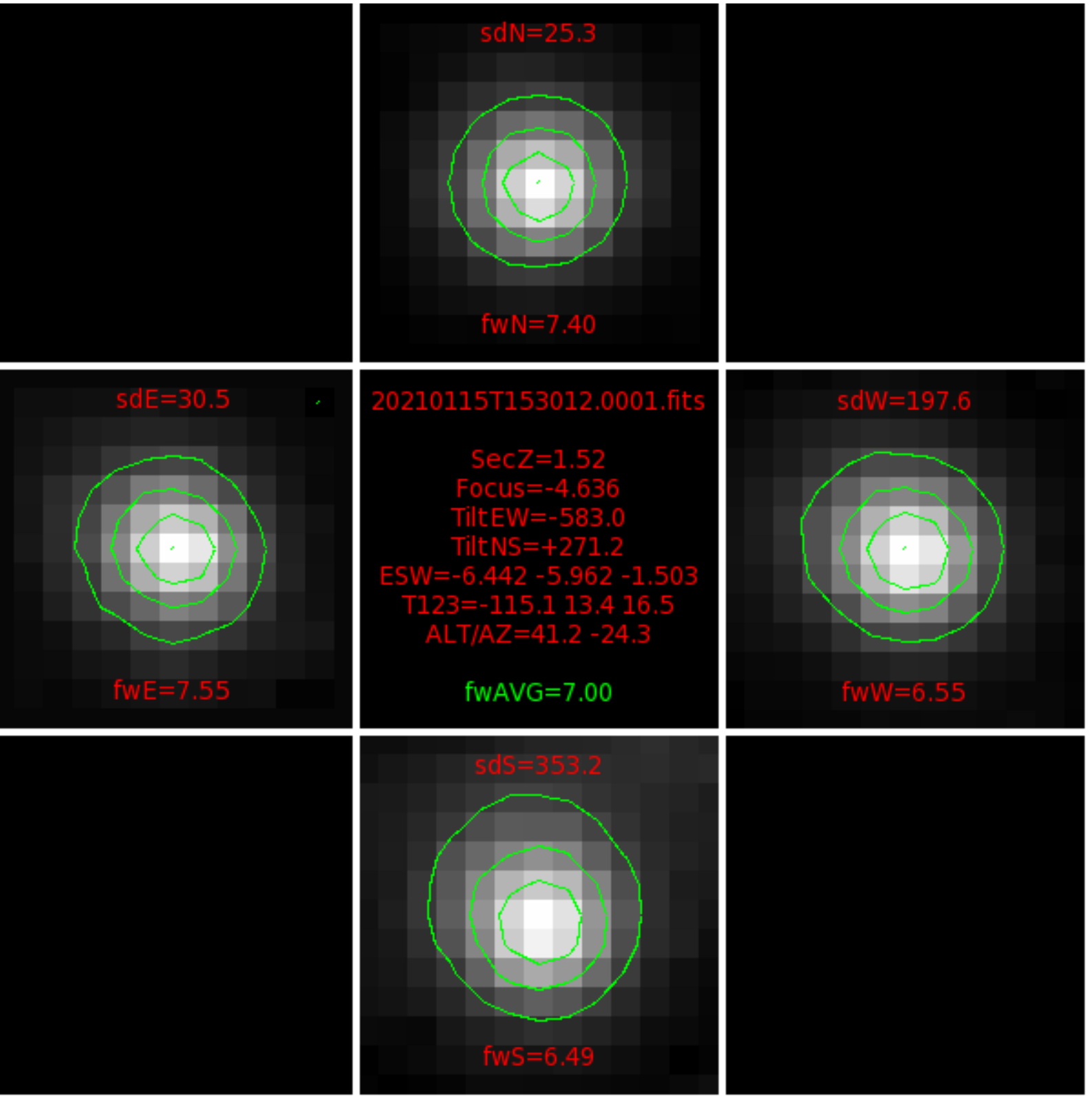
sdN=25.3
fwN=7.40
sdE=30.5
fwE=7.55
20210115T153012.0001.fits
SecZ=1.52
Focus=-4.636
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.442 -5.962 -1.503
T123=-115.1 13.4 16.5
ALT/AZ=41.2 -24.3
fwAVG=7.00
sdW=197.6
fwW=6.55
sdS=353.2
fwS=6.49
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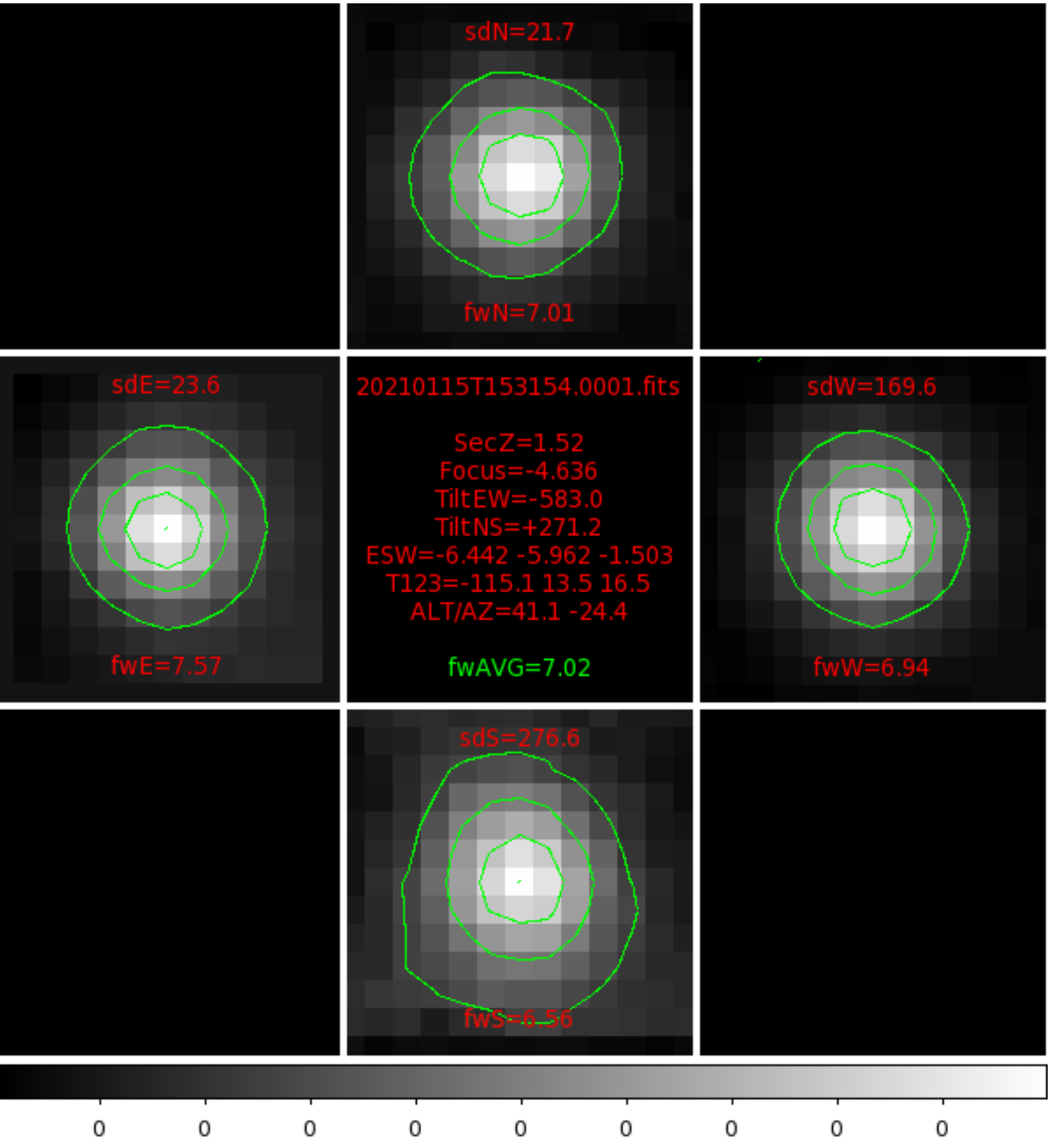
sdN=21.7
fwN=7.01
sdE=23.6
fwE=7.57
20210115T153154.0001.fits
SecZ=1.52
Focus=-4.636
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.442 -5.962 -1.503
T123=-115.1 13.5 16.5
ALT/AZ=41.1 -24.4
fwAVG=7.02
sdW=169.6
fwW=6.94
sdS=276.6
fwS=6.56
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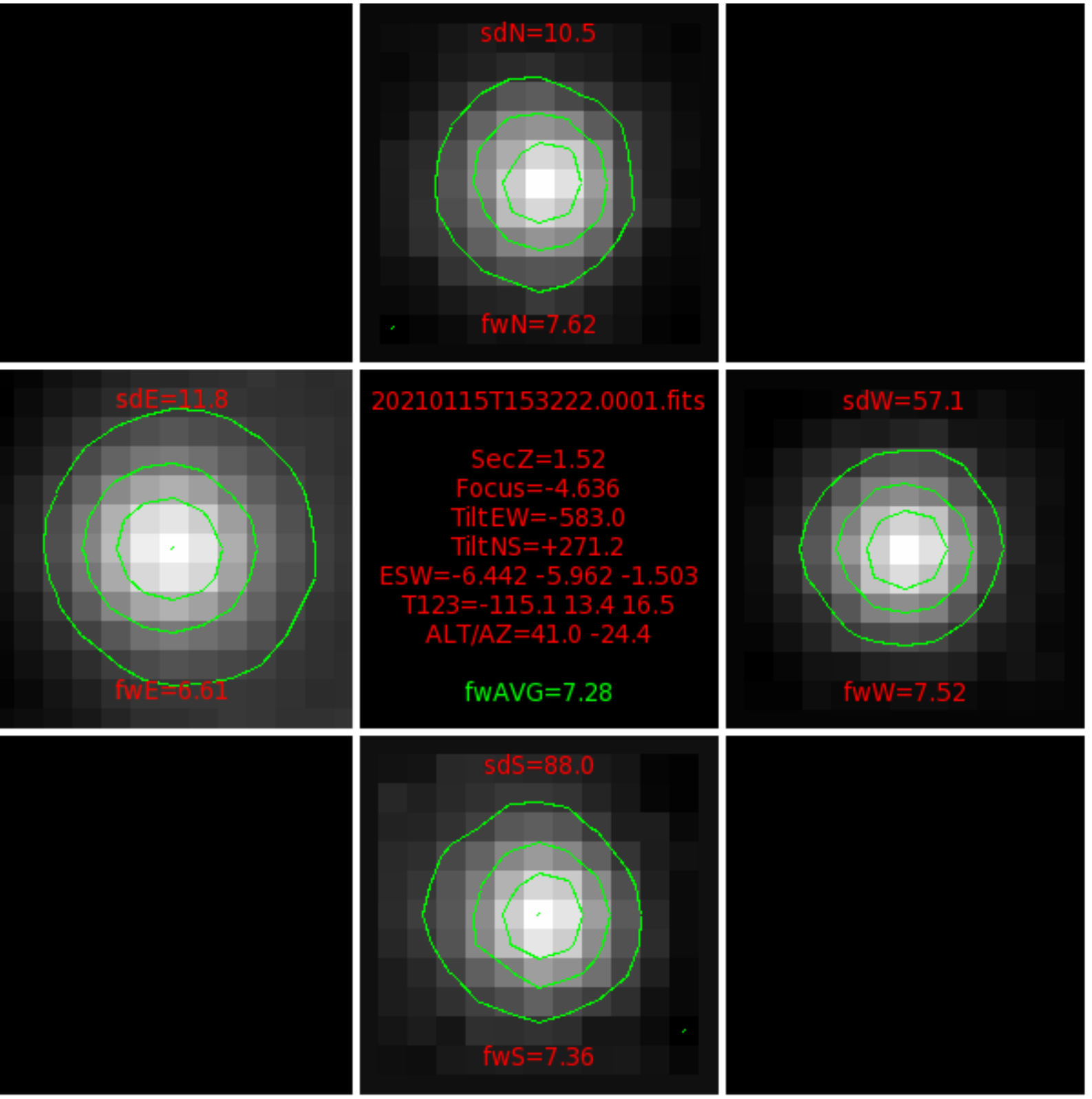
sdN=10.5
fwN=7.62
sdE=11.8
fwE=6.61
20210115T153222.0001.fits
SecZ=1.52
Focus=-4.636
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.442 -5.962 -1.503
T123=-115.1 13.4 16.5
ALT/AZ=41.0 -24.4
fwAVG=7.28
sdW=57.1
fwW=7.52
sdS=88.0
fwS=7.36
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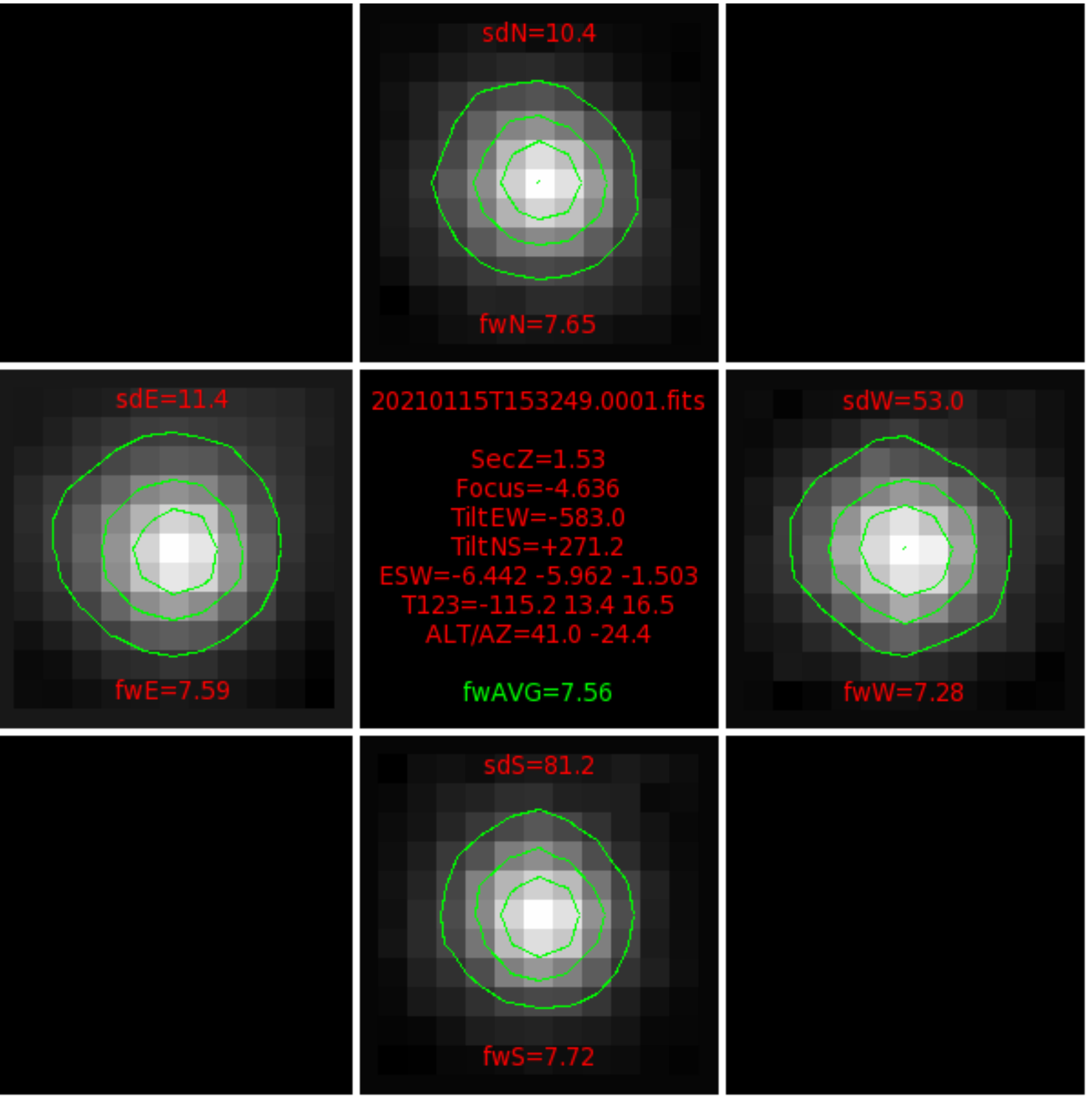
sdN=10.4
fwN=7.65
sdE=11.4
fwE=7.59
20210115T153249.0001.fits
SecZ=1.53
Focus=-4.636
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.442 -5.962 -1.503
T123=-115.2 13.4 16.5
ALT/AZ=41.0 -24.4
fwAVG=7.56
sdW=53.0
fwW=7.28
sdS=81.2
fwS=7.72
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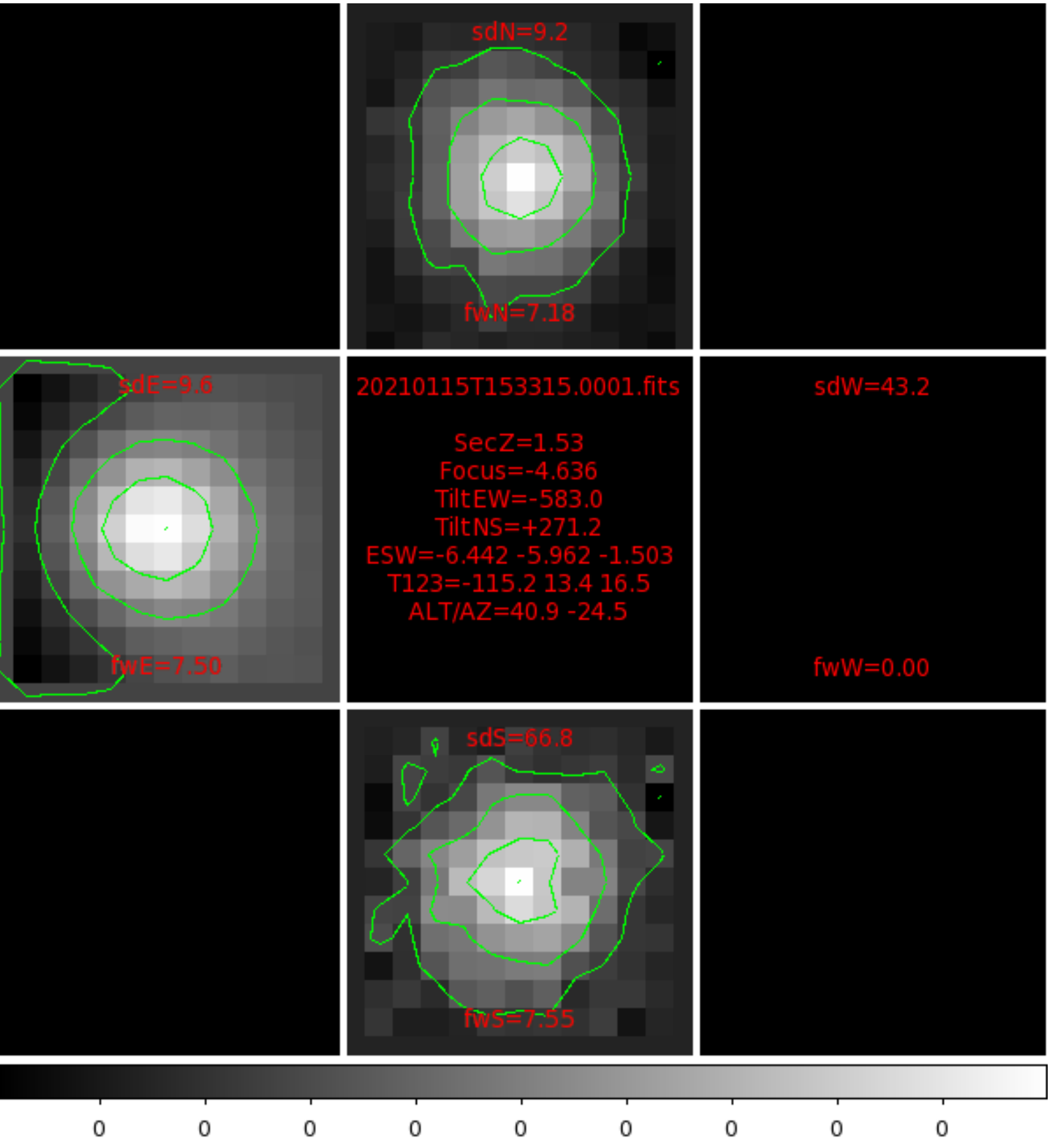
sdN=9.2
fwN=7.18
sdE=9.6
fwE=7.50
20210115T153315.0001.fits
SecZ=1.53
Focus=-4.636
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.442 -5.962 -1.503
T123=-115.2 13.4 16.5
ALT/AZ=40.9 -24.5
sdW=43.2
fwW=0.00
sdS=66.8
fwS=7.55
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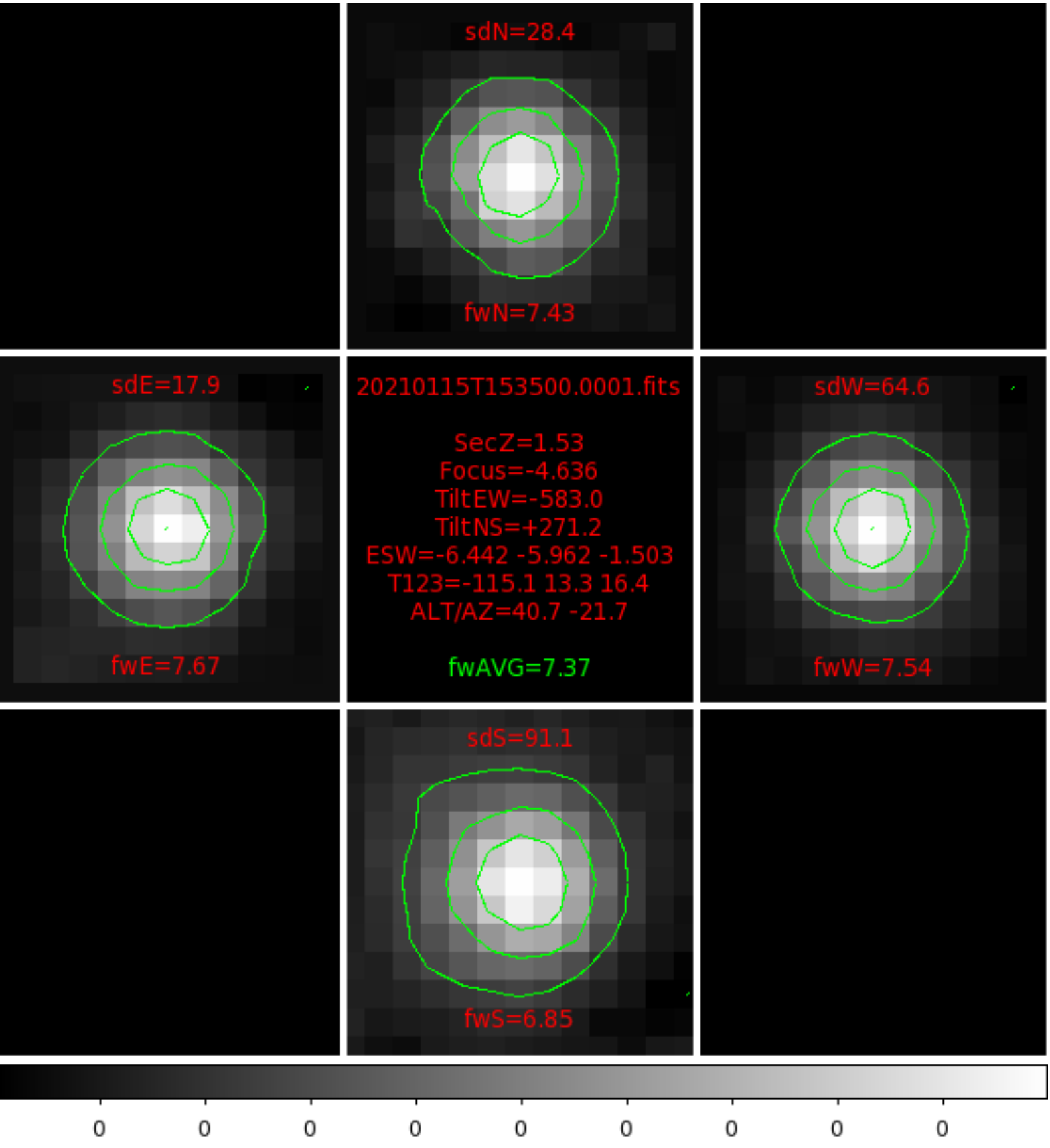
sdN=28.4
fwN=7.43
sdE=17.9
fwE=7.67
20210115T153500.0001.fits
SecZ=1.53
Focus=-4.636
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.442 -5.962 -1.503
T123=-115.1 13.3 16.4
ALT/AZ=40.7 -21.7
fwAVG=7.37
sdW=64.6
fwW=7.54
sdS=91.1
fwS=6.85
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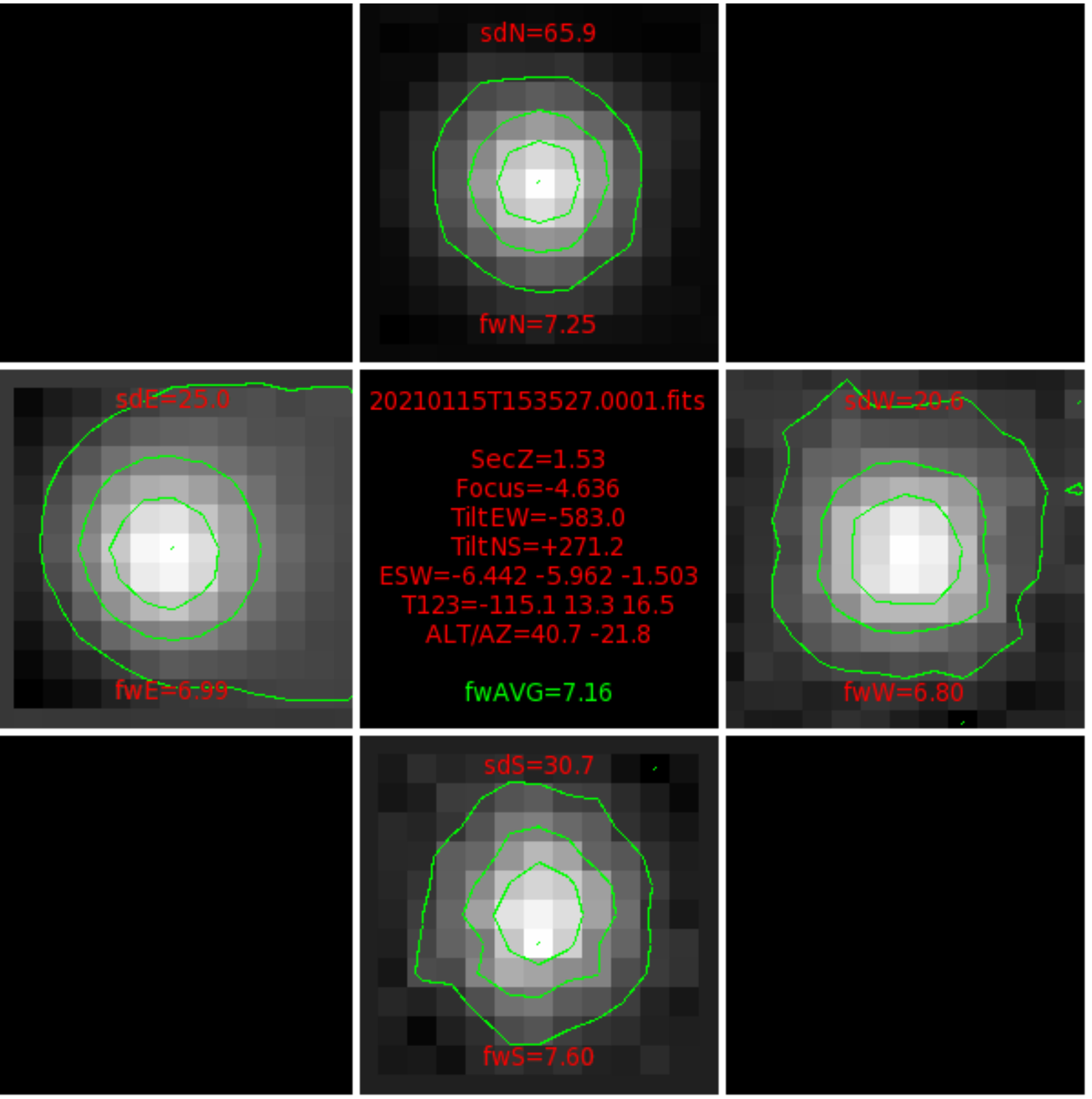
sdN=65.9
fwN=7.25
sdE=25.0
fwE=6.99
20210115T153527.0001.fits
SecZ=1.53
Focus=-4.636
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.442 -5.962 -1.503
T123=-115.1 13.3 16.5
ALT/AZ=40.7 -21.8
fwAVG=7.16
sdW=20.6
fwW=6.80
sdS=30.7
fwS=7.60
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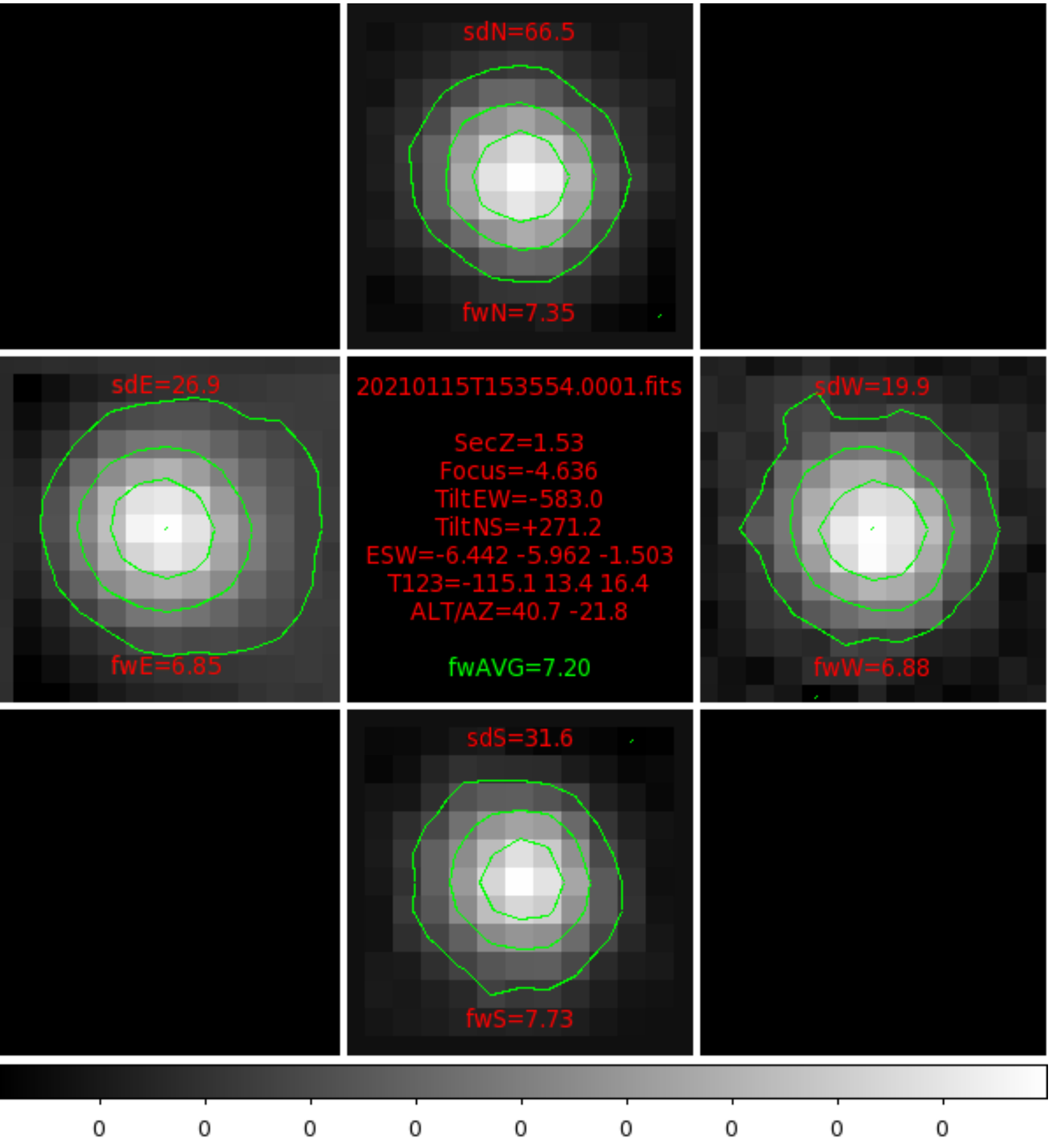
sdN=66.5
fwN=7.35
sdE=26.9
fwE=6.85
20210115T153554.0001.fits
SecZ=1.53
Focus=-4.636
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.442 -5.962 -1.503
T123=-115.1 13.4 16.4
ALT/AZ=40.7 -21.8
fwAVG=7.20
sdW=19.9
fwW=6.88
sdS=31.6
fwS=7.73
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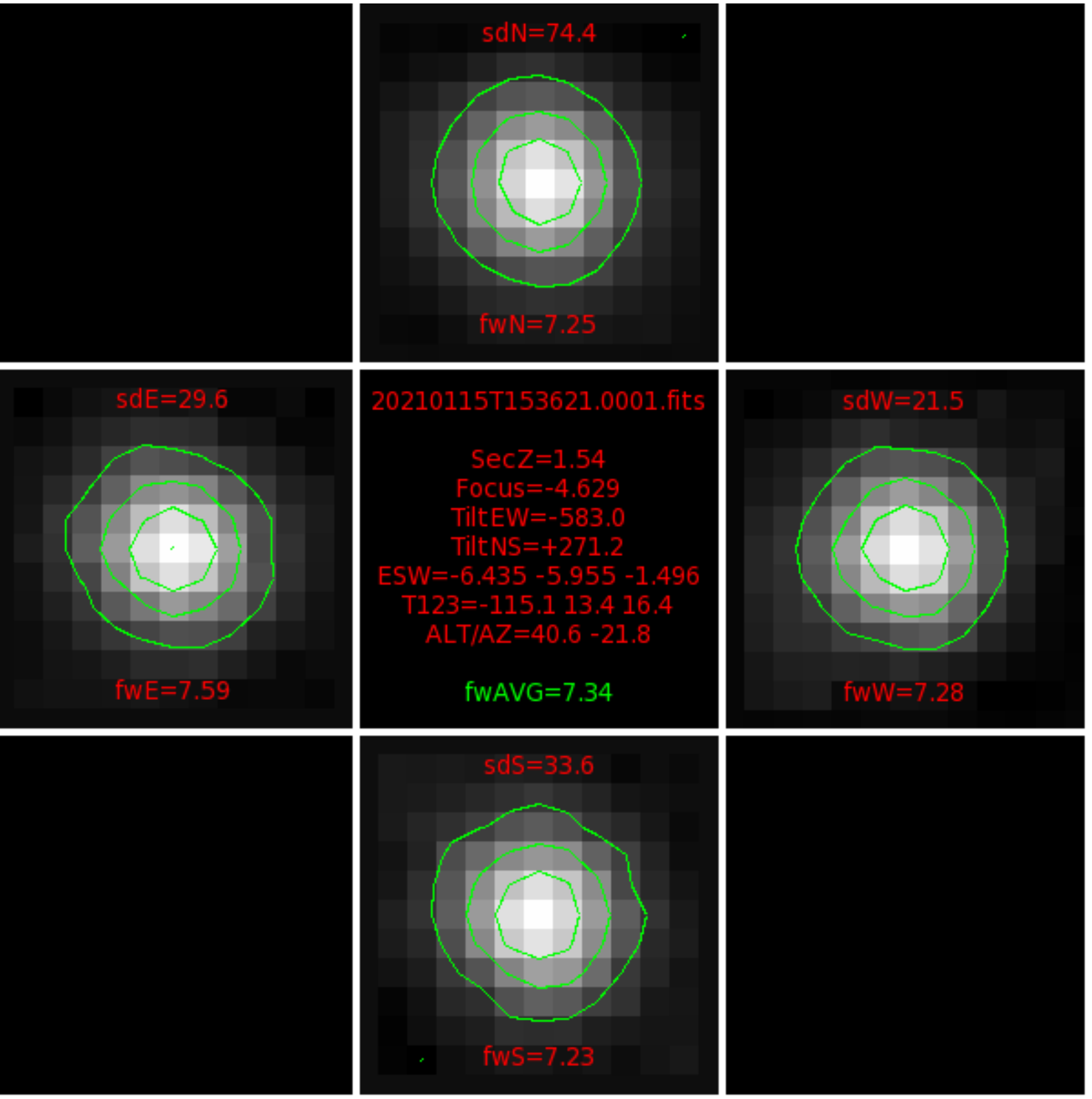
sdN=74.4
fwN=7.25
sdE=29.6
fwE=7.59
20210115T153621.0001.fits
SecZ=1.54
Focus=-4.629
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.435 -5.955 -1.496
T123=-115.1 13.4 16.4
ALT/AZ=40.6 -21.8
fwAVG=7.34
sdW=21.5
fwW=7.28
sdS=33.6
fwS=7.23
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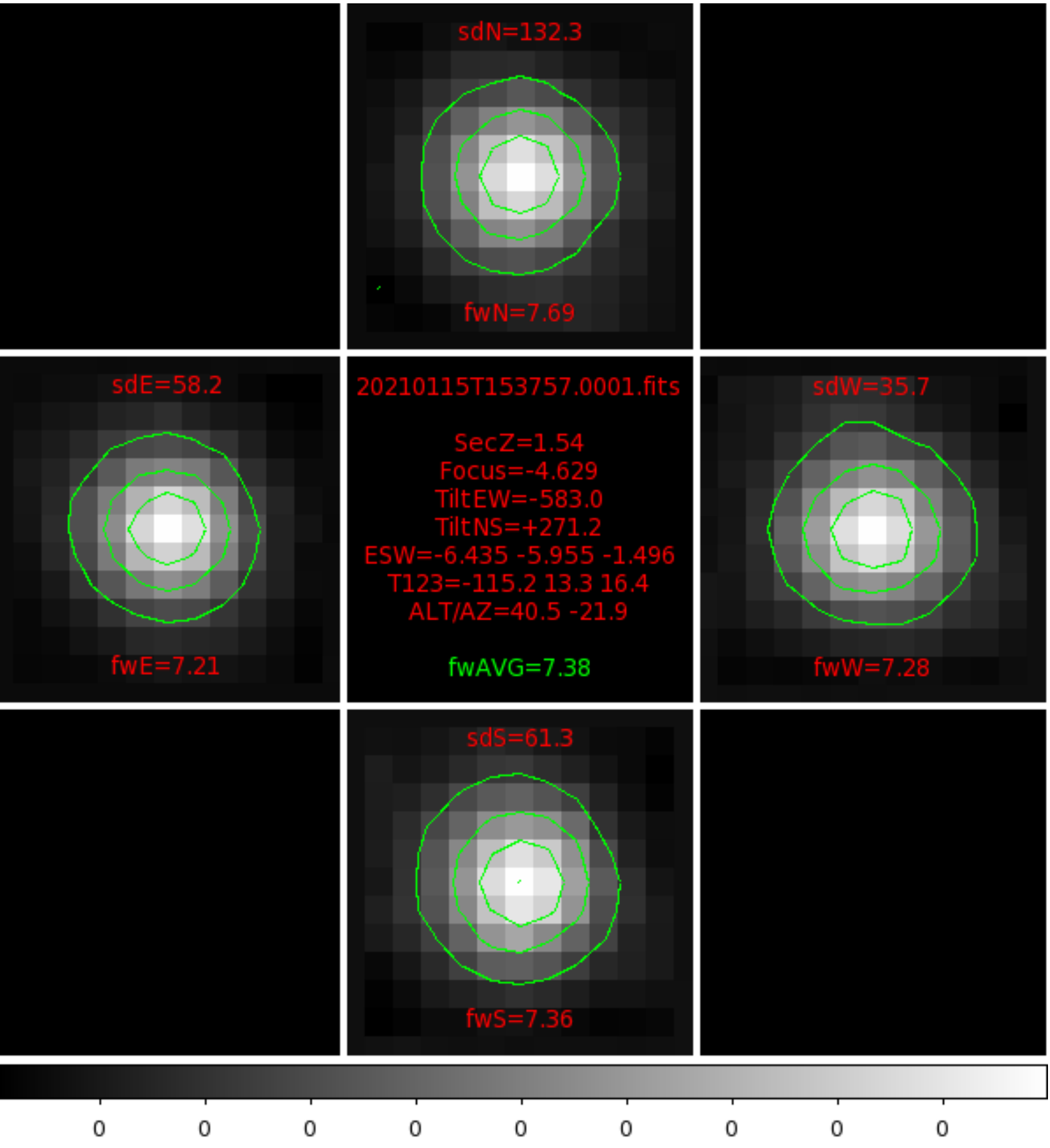
sdN=132.3
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sdE=58.2
fwE=7.21
20210115T153757.0001.fits
SecZ=1.54
Focus=-4.629
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.435 -5.955 -1.496
T123=-115.2 13.3 16.4
ALT/AZ=40.5 -21.9
fwAVG=7.38
sdW=35.7
fwW=7.28
sdS=61.3
fwS=7.36
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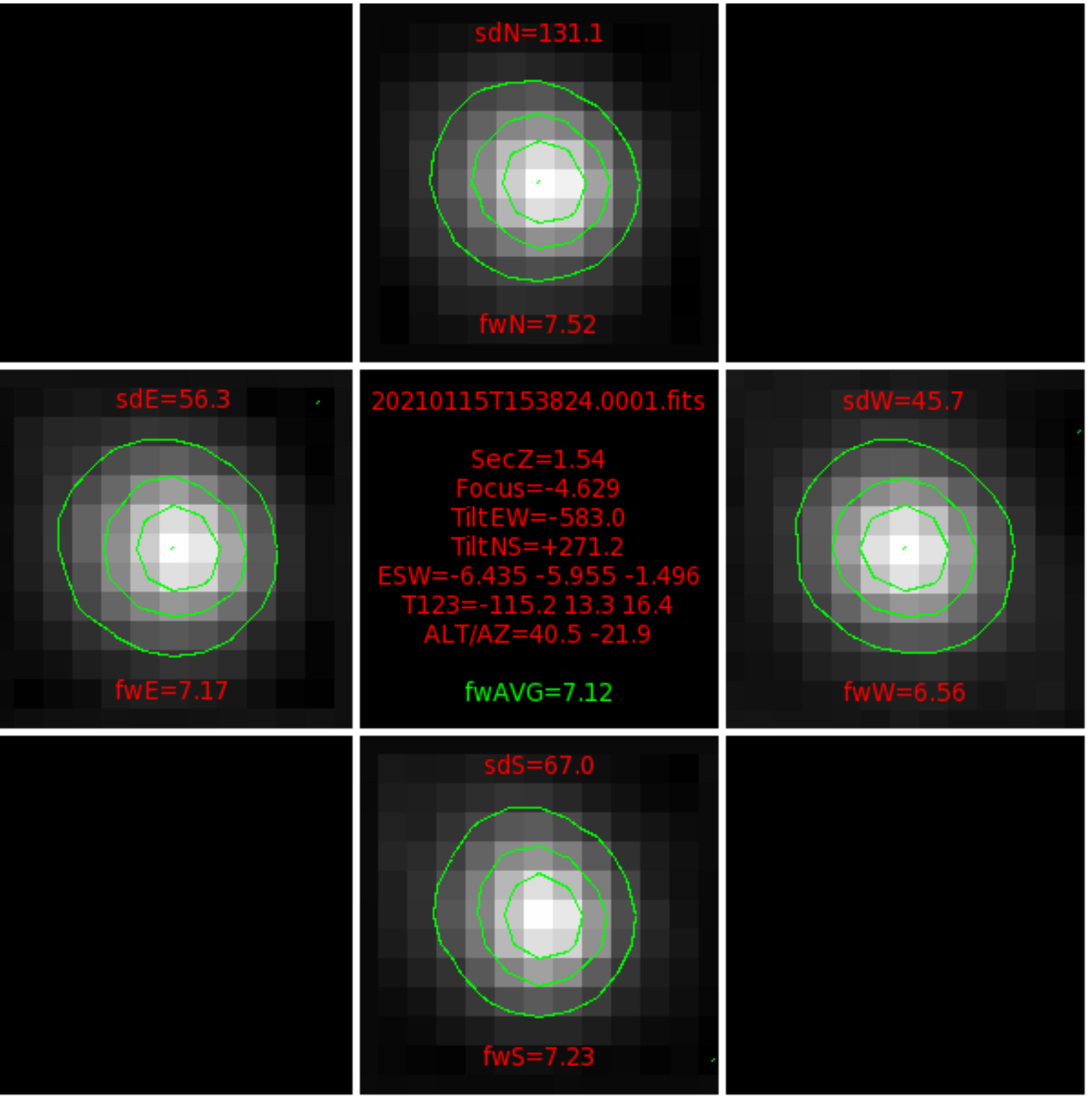
sdN=131.1
fwN=7.52
sdE=56.3
fwE=7.17
20210115T153824.0001.fits
SecZ=1.54
Focus=-4.629
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.435 -5.955 -1.496
T123=-115.2 13.3 16.4
ALT/AZ=40.5 -21.9
fwAVG=7.12
sdW=45.7
fwW=6.56
sdS=67.0
fwS=7.23
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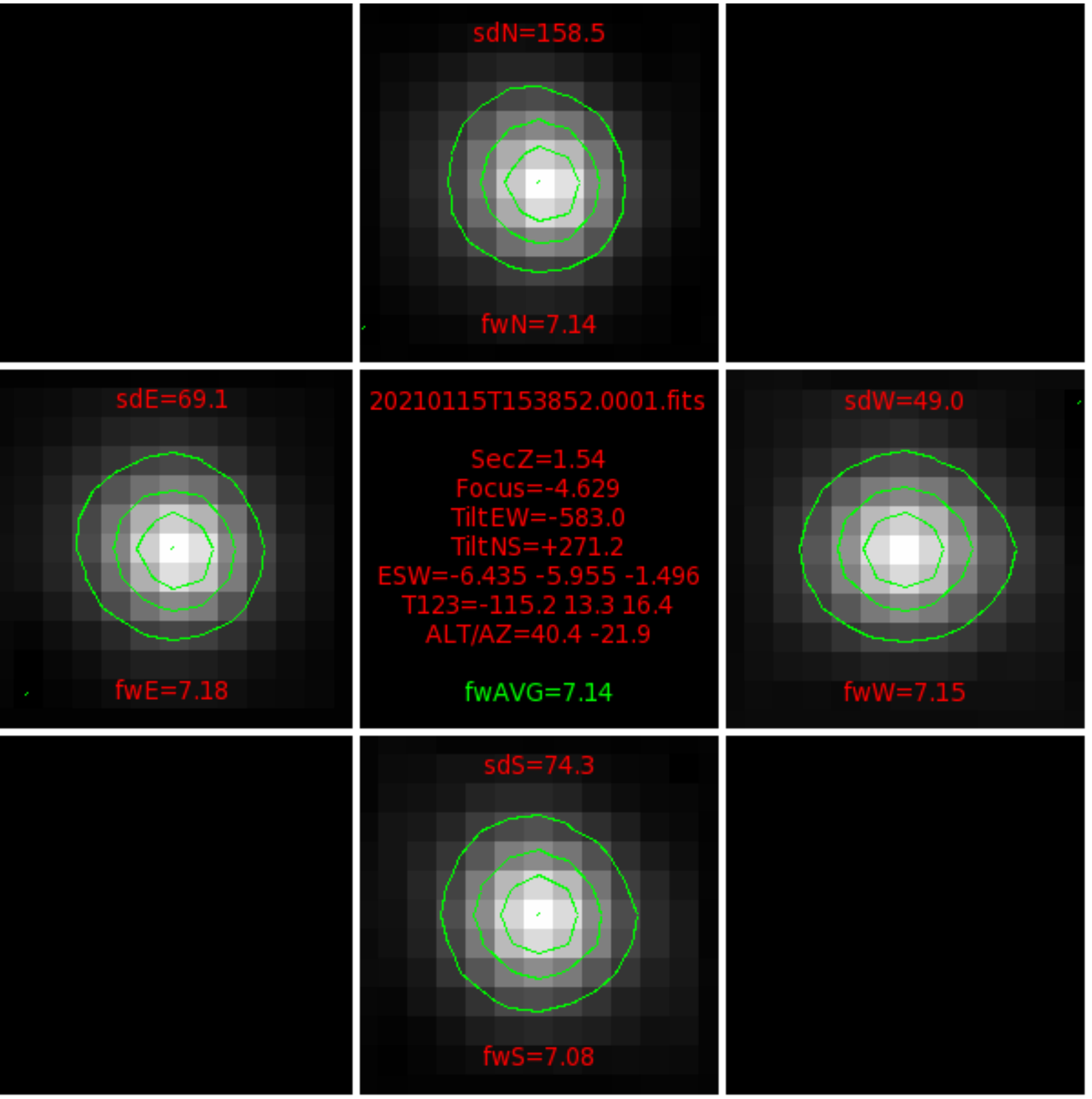
sdN=158.5
fwN=7.14
sdE=69.1
fwE=7.18
20210115T153852.0001.fits
SecZ=1.54
Focus=-4.629
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.435 -5.955 -1.496
T123=-115.2 13.3 16.4
ALT/AZ=40.4 -21.9
fwAVG=7.14
sdW=49.0
fwW=7.15
sdS=74.3
fwS=7.08
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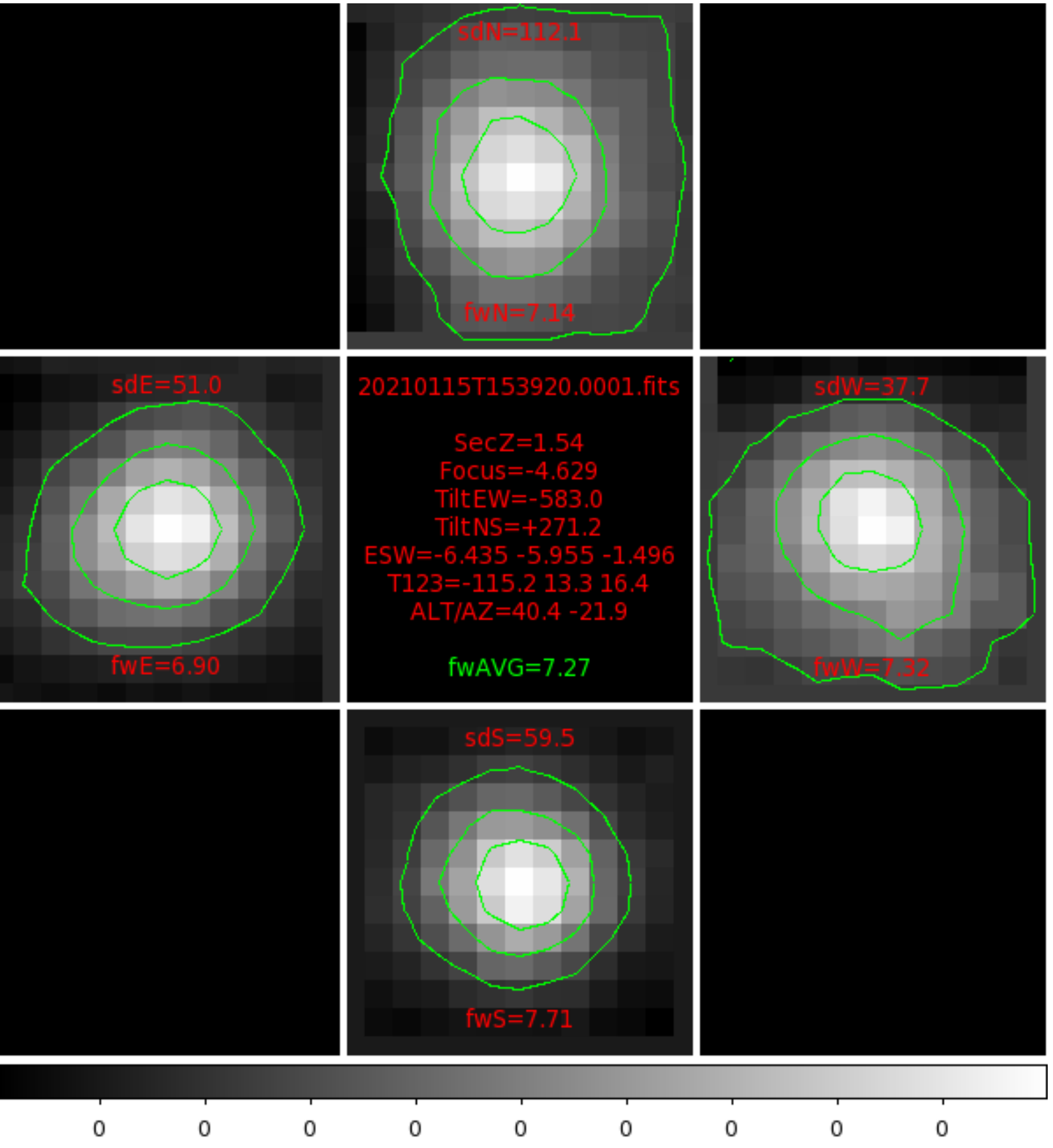
sdN=112.1
fwN=7.14
sdE=51.0
fwE=6.90
20210115T153920.0001.fits
SecZ=1.54
Focus=-4.629
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.435 -5.955 -1.496
T123=-115.2 13.3 16.4
ALT/AZ=40.4 -21.9
fwAVG=7.27
sdW=37.7
fwW=7.32
sdS=59.5
fwS=7.71
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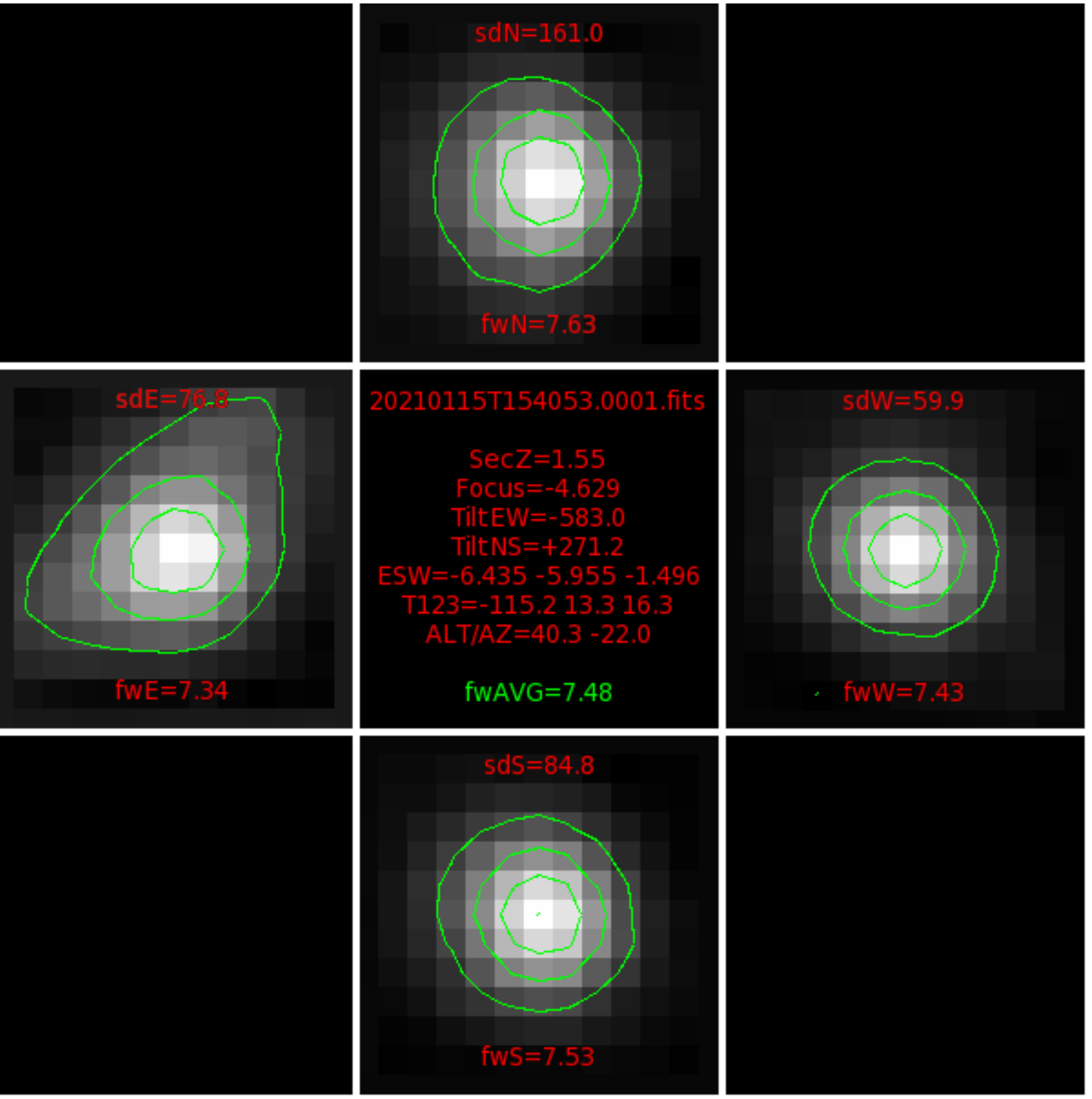
sdN=161.0
fwN=7.63
sdE=76.8
fwE=7.34
20210115T154053.0001.fits
SecZ=1.55
Focus=-4.629
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.435 -5.955 -1.496
T123=-115.2 13.3 16.3
ALT/AZ=40.3 -22.0
fwAVG=7.48
sdW=59.9
fwW=7.43
sdS=84.8
fwS=7.53
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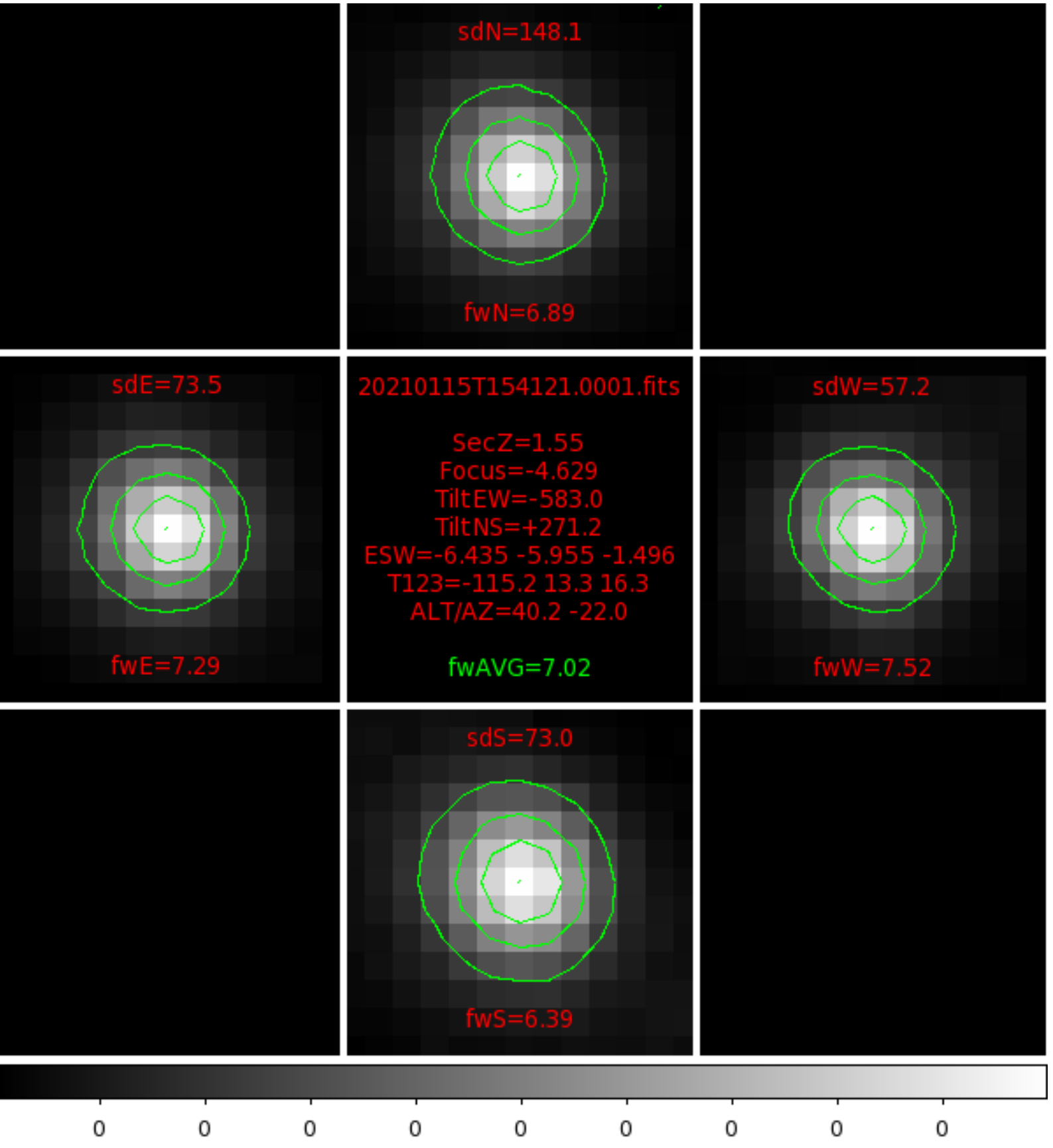
sdN=148.1
fwN=6.89
sdE=73.5
fwE=7.29
20210115T154121.0001.fits
SecZ=1.55
Focus=-4.629
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.435 -5.955 -1.496
T123=-115.2 13.3 16.3
ALT/AZ=40.2 -22.0
fwAVG=7.02
sdW=57.2
fwW=7.52
sdS=73.0
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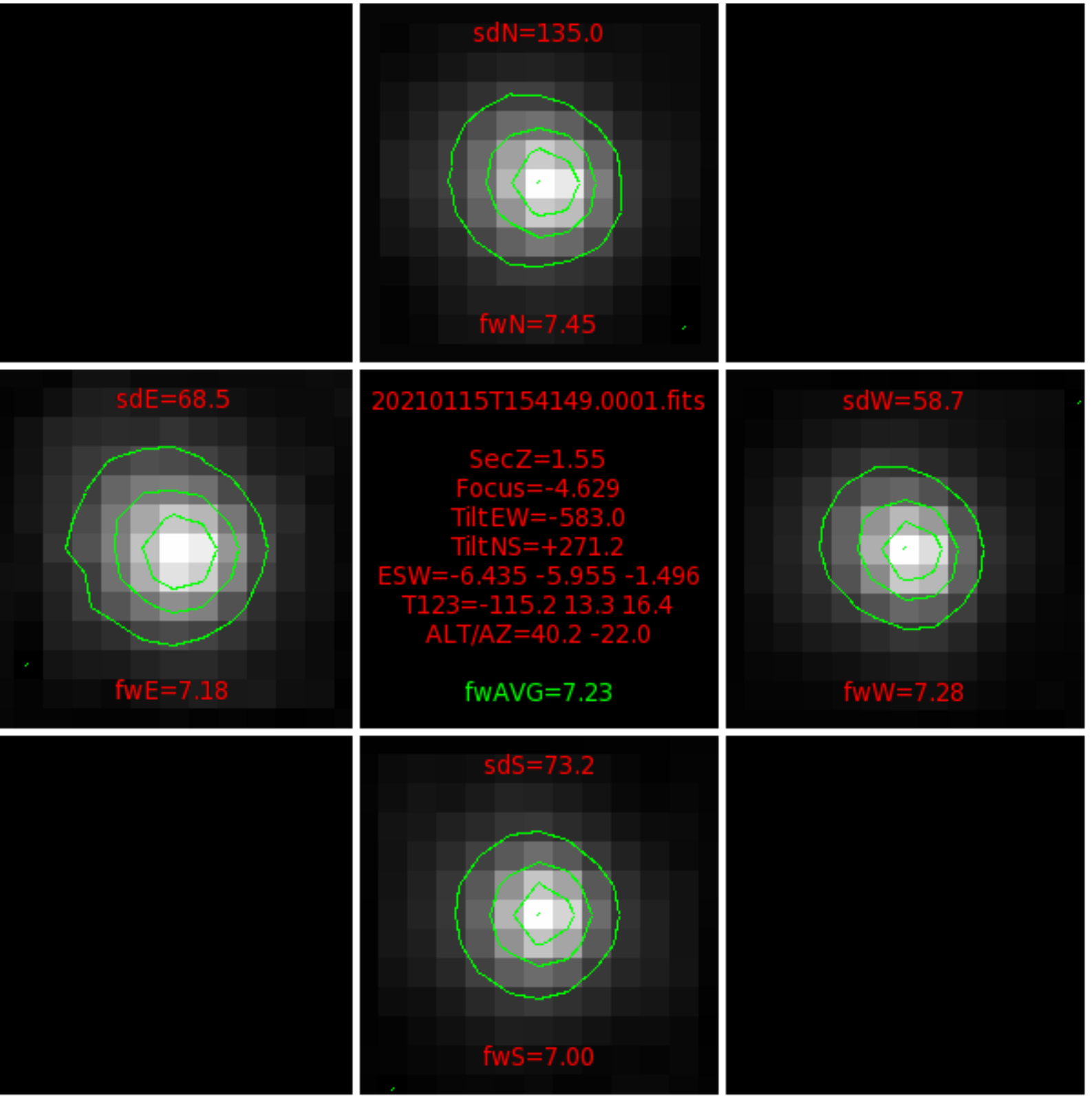
sdN=135.0
fwN=7.45
sdE=68.5
fwE=7.18
20210115T154149.0001.fits
SecZ=1.55
Focus=-4.629
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.435 -5.955 -1.496
T123=-115.2 13.3 16.4
ALT/AZ=40.2 -22.0
fwAVG=7.23
sdW=58.7
fwW=7.28
sdS=73.2
fwS=7.00
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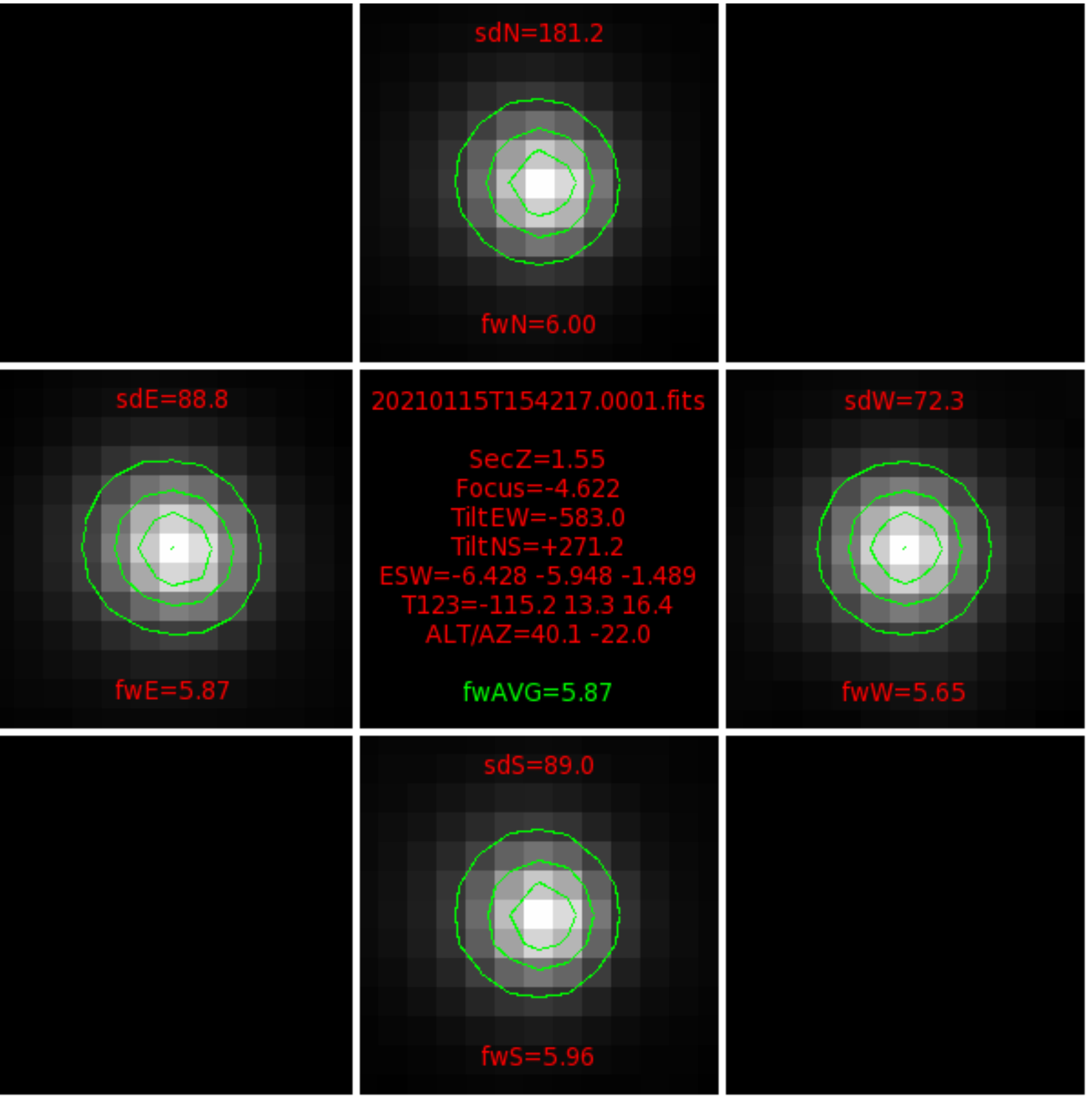
sdN=181.2
fwN=6.00
sdE=88.8
fwE=5.87
20210115T154217.0001.fits
SecZ=1.55
Focus=-4.622
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.428 -5.948 -1.489
T123=-115.2 13.3 16.4
ALT/AZ=40.1 -22.0
fwAVG=5.87
sdW=72.3
fwW=5.65
sdS=89.0
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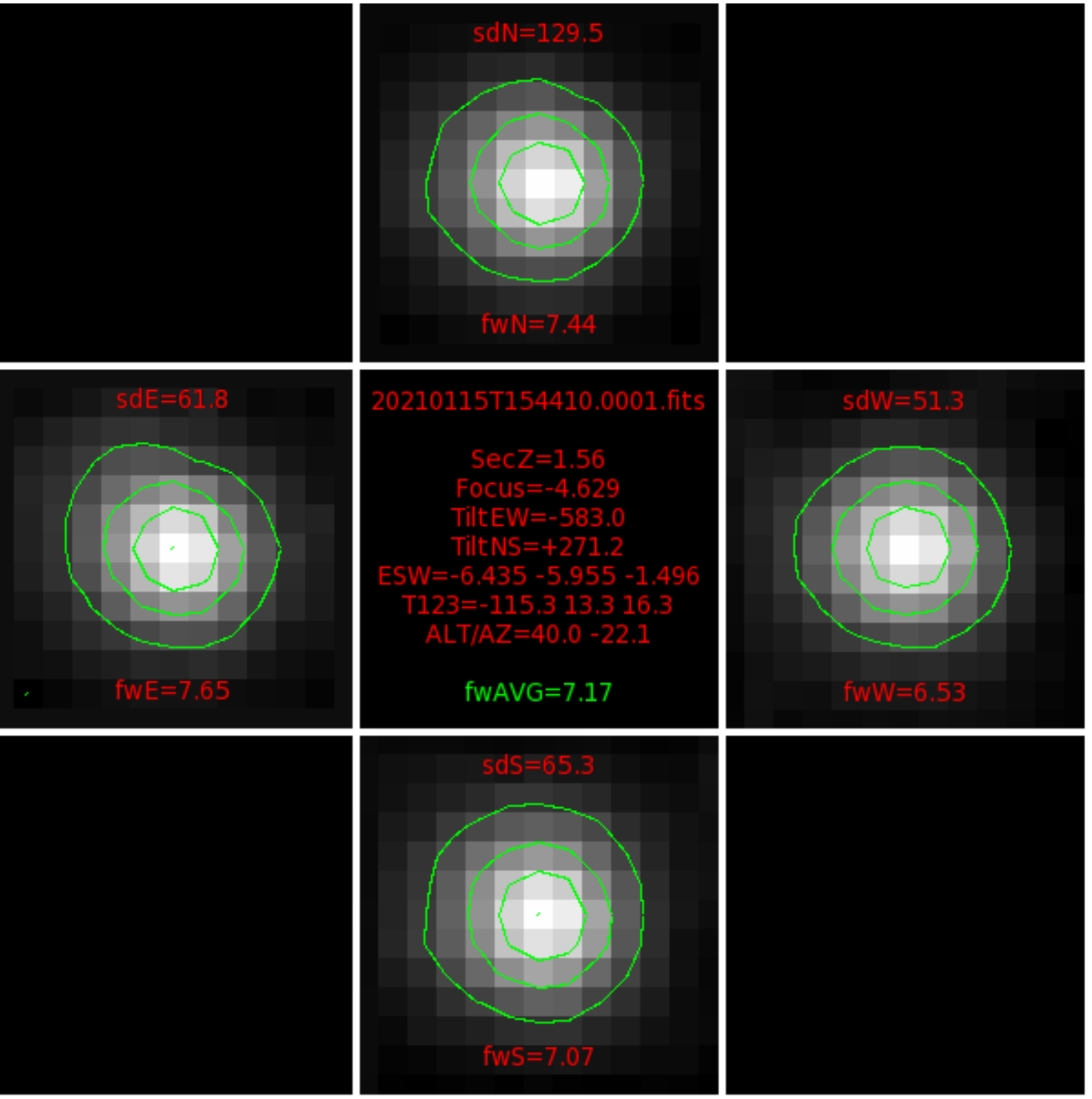
sdN=129.5
fwN=7.44
sdE=61.8
fwE=7.65
20210115T154410.0001.fits
SecZ=1.56
Focus=-4.629
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.435 -5.955 -1.496
T123=-115.3 13.3 16.3
ALT/AZ=40.0 -22.1
fwAVG=7.17
sdW=51.3
fwW=6.53
sdS=65.3
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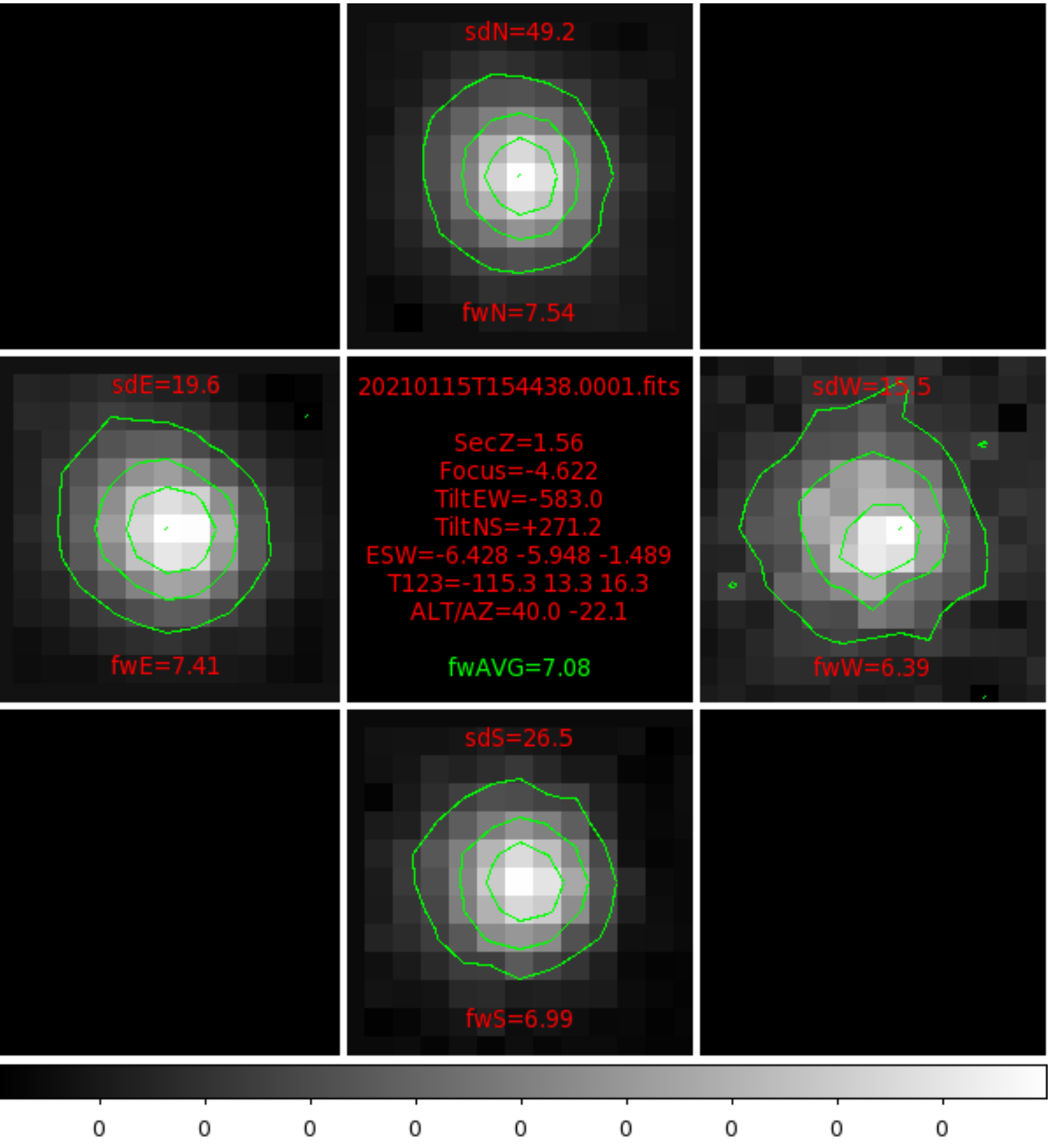
sdN=49.2
fwN=7.54
sdE=19.6
fwE=7.41
20210115T154438.0001.fits
SecZ=1.56
Focus=-4.622
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.428 -5.948 -1.489
T123=-115.3 13.3 16.3
ALT/AZ=40.0 -22.1
fwAVG=7.08
sdW=15.5
fwW=6.39
sdS=26.5
fwS=6.99
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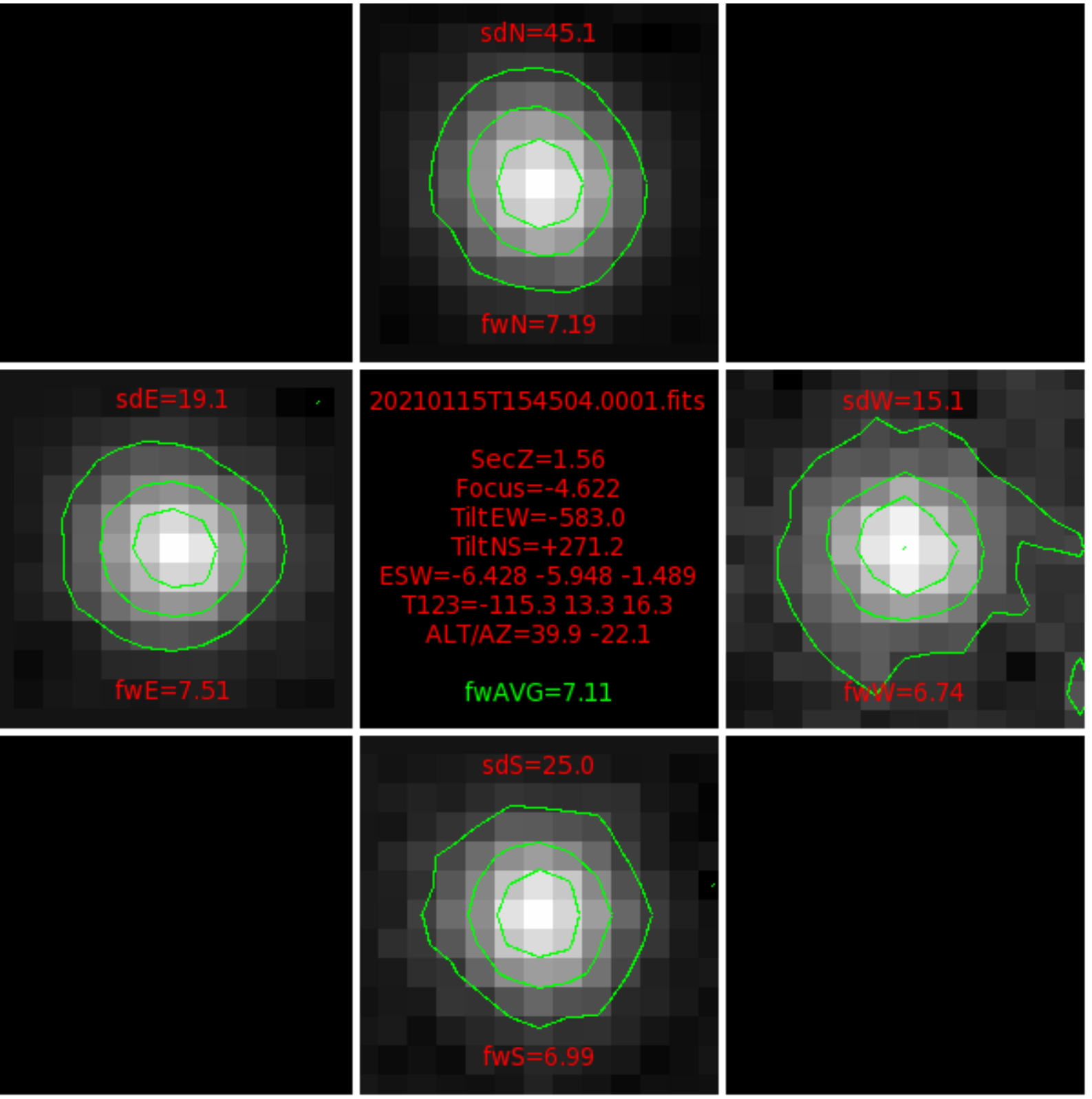
sdN=45.1
fwN=7.19
sdE=19.1
fwE=7.51
20210115T154504.0001.fits
SecZ=1.56
Focus=-4.622
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.428 -5.948 -1.489
T123=-115.3 13.3 16.3
ALT/AZ=39.9 -22.1
fwAVG=7.11
sdW=15.1
fwW=6.74
sdS=25.0
fwS=6.99
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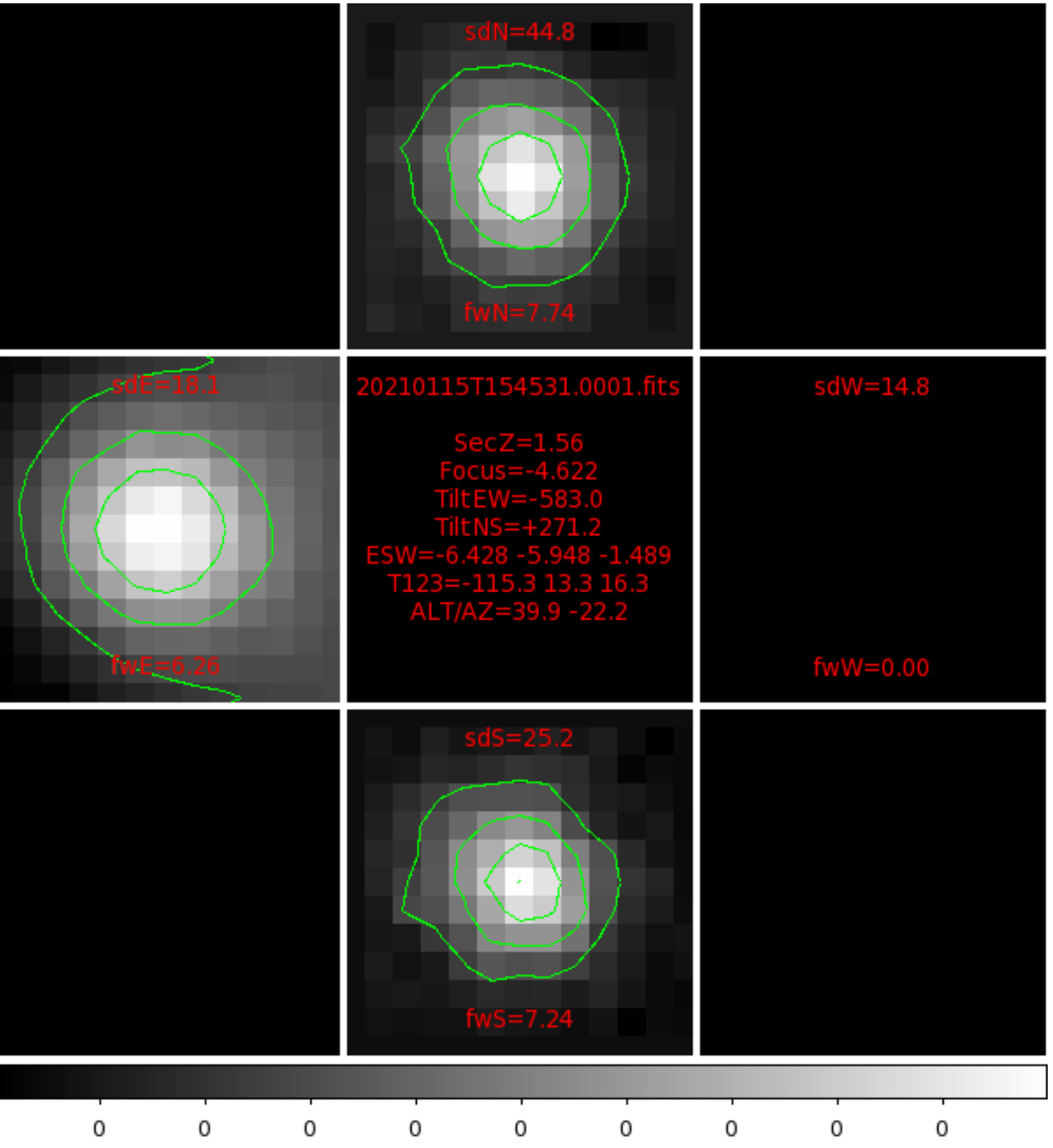
sdN=44.8
fwN=7.74
sdE=18.1
fwE=6.26
20210115T154531.0001.fits
SecZ=1.56
Focus=-4.622
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.428 -5.948 -1.489
T123=-115.3 13.3 16.3
ALT/AZ=39.9 -22.2
sdW=14.8
fwW=0.00
sdS=25.2
fwS=7.24
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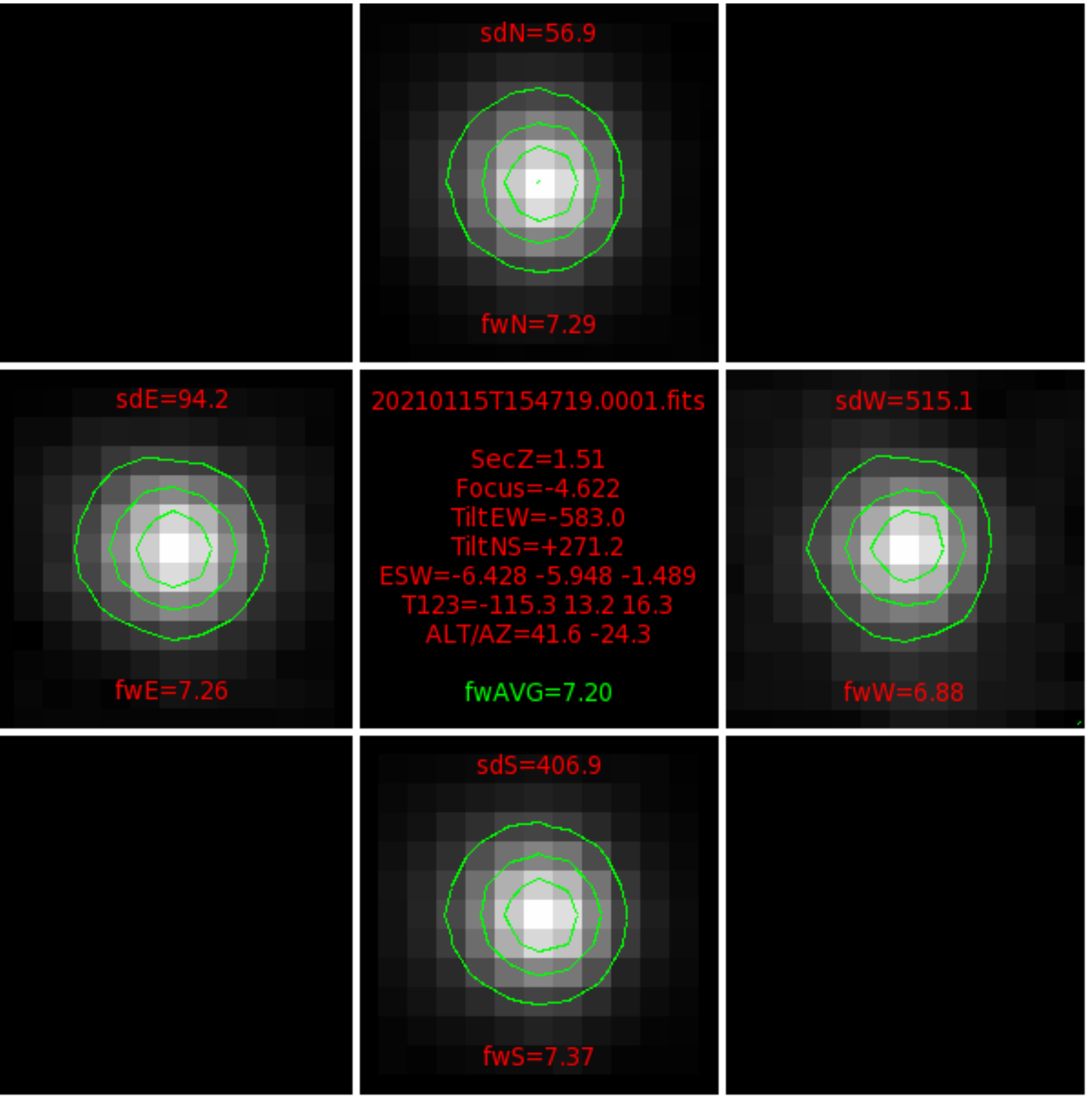
sdN=56.9
fwN=7.29
sdE=94.2
fwE=7.26
20210115T154719.0001.fits
SecZ=1.51
Focus=-4.622
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.428 -5.948 -1.489
T123=-115.3 13.2 16.3
ALT/AZ=41.6 -24.3
fwAVG=7.20
sdW=515.1
fwW=6.88
sdS=406.9
fwS=7.37
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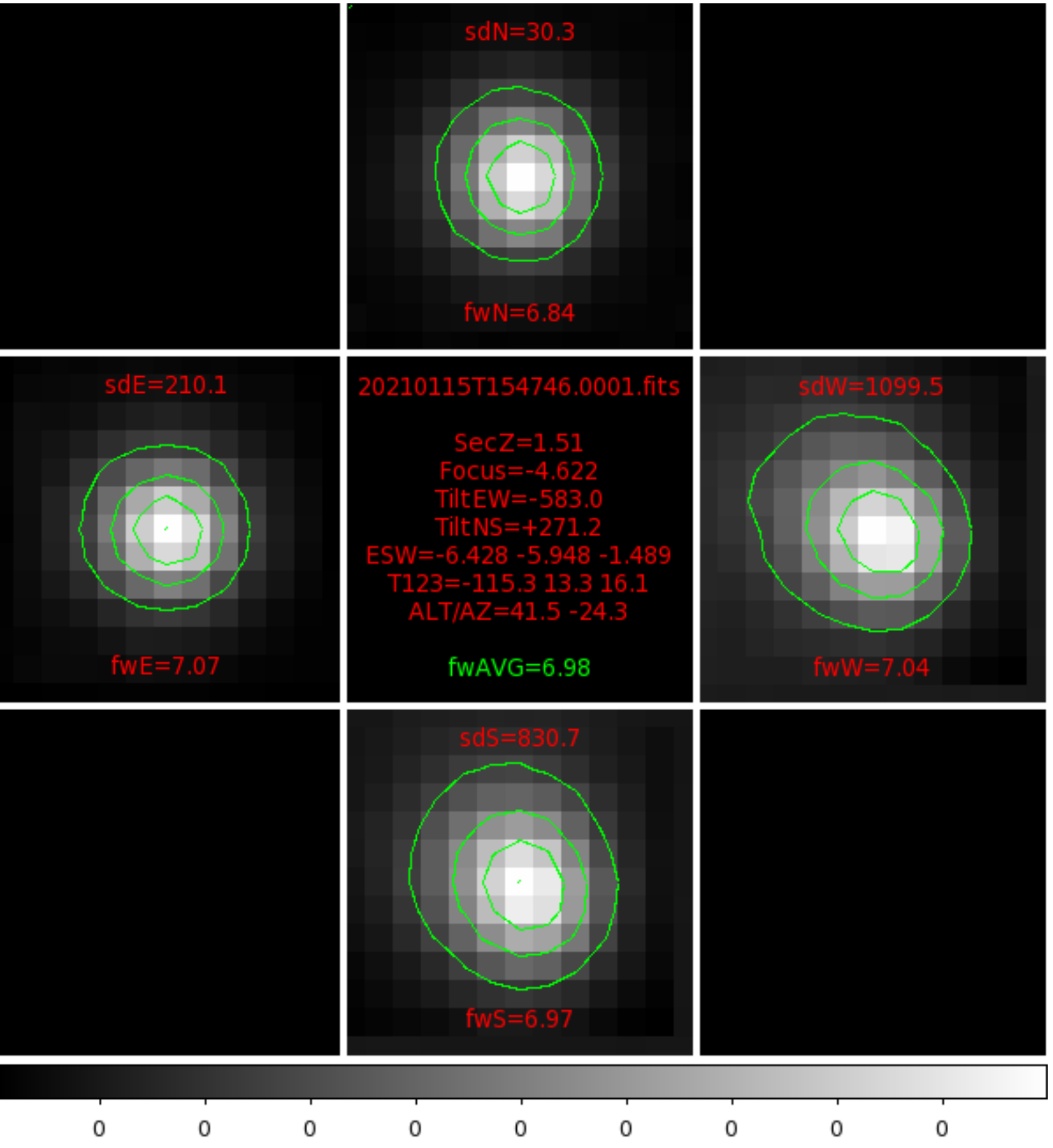
sdN=30.3
fwN=6.84
sdE=210.1
fwE=7.07
20210115T154746.0001.fits
SecZ=1.51
Focus=-4.622
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.428 -5.948 -1.489
T123=-115.3 13.3 16.1
ALT/AZ=41.5 -24.3
fwAVG=6.98
sdW=1099.5
fwW=7.04
sdS=830.7
fwS=6.97
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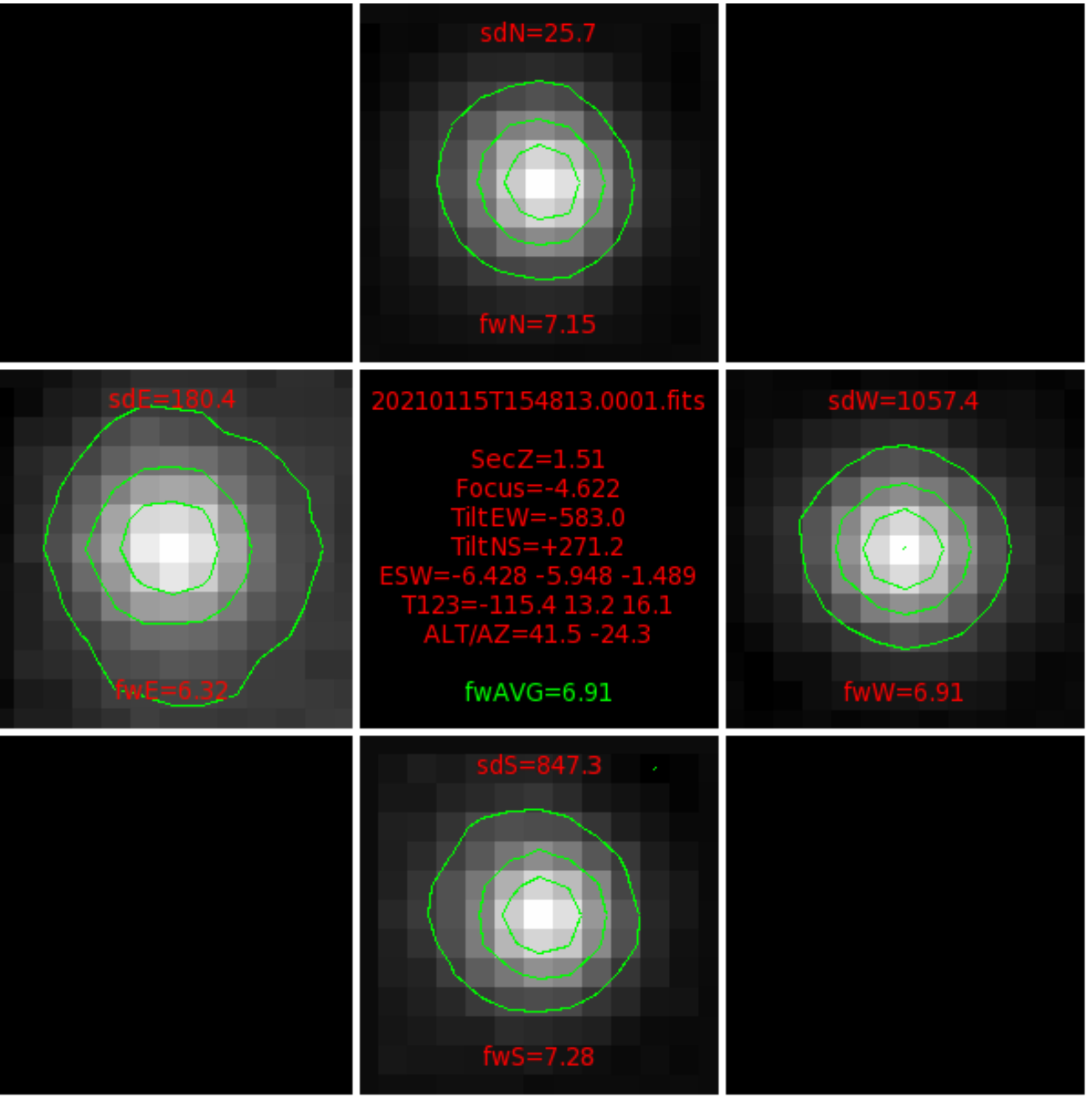
sdN=25.7
fwN=7.15
sdE=180.4
fwE=6.32
20210115T154813.0001.fits
SecZ=1.51
Focus=-4.622
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.428 -5.948 -1.489
T123=-115.4 13.2 16.1
ALT/AZ=41.5 -24.3
fwAVG=6.91
sdW=1057.4
fwW=6.91
sdS=847.3
fwS=7.28
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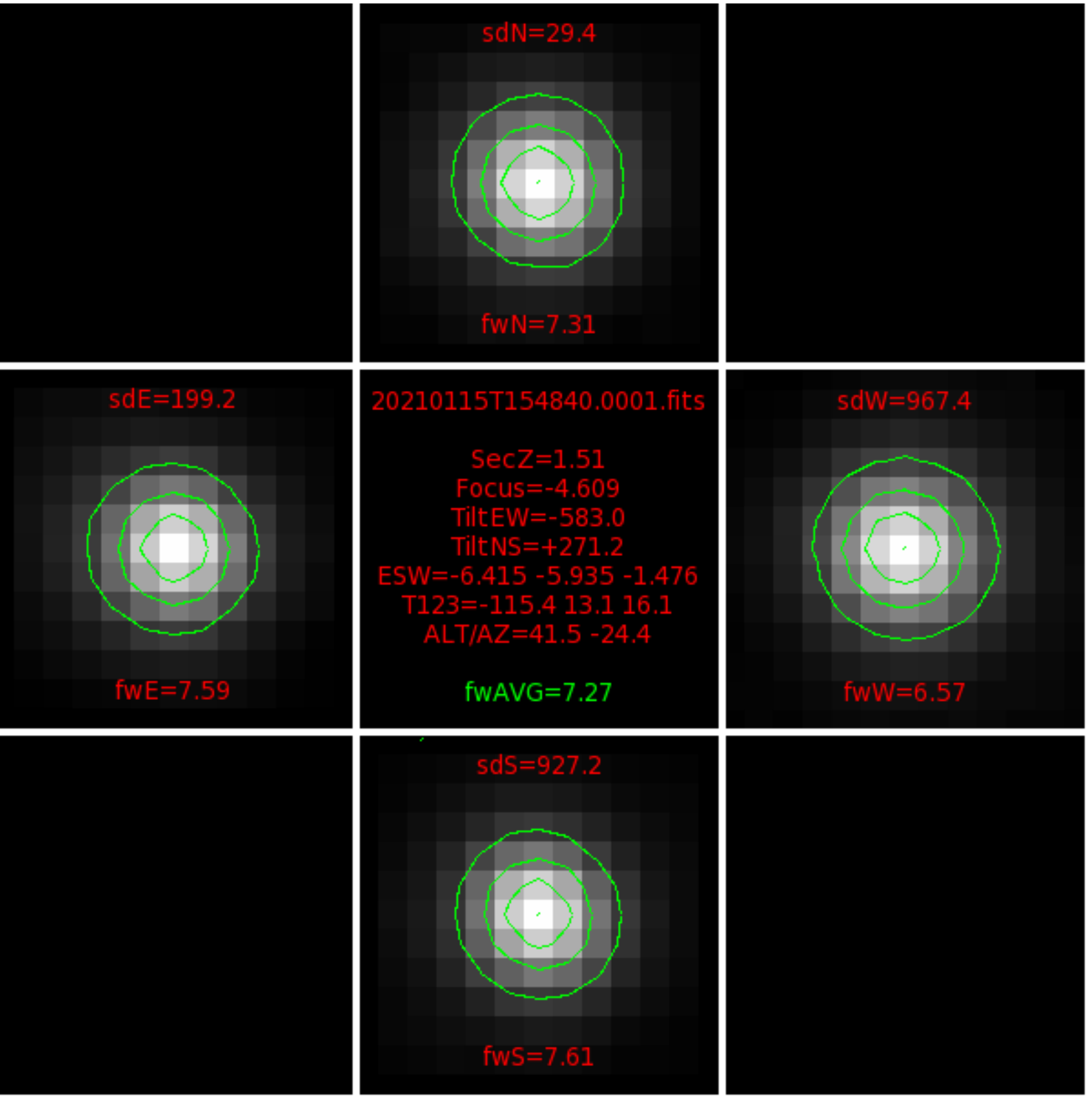
sdN=29.4
fwN=7.31
sdE=199.2
fwE=7.59
20210115T154840.0001.fits
SecZ=1.51
Focus=-4.609
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.415 -5.935 -1.476
T123=-115.4 13.1 16.1
ALT/AZ=41.5 -24.4
fwAVG=7.27
sdW=967.4
fwW=6.57
sdS=927.2
fwS=7.61
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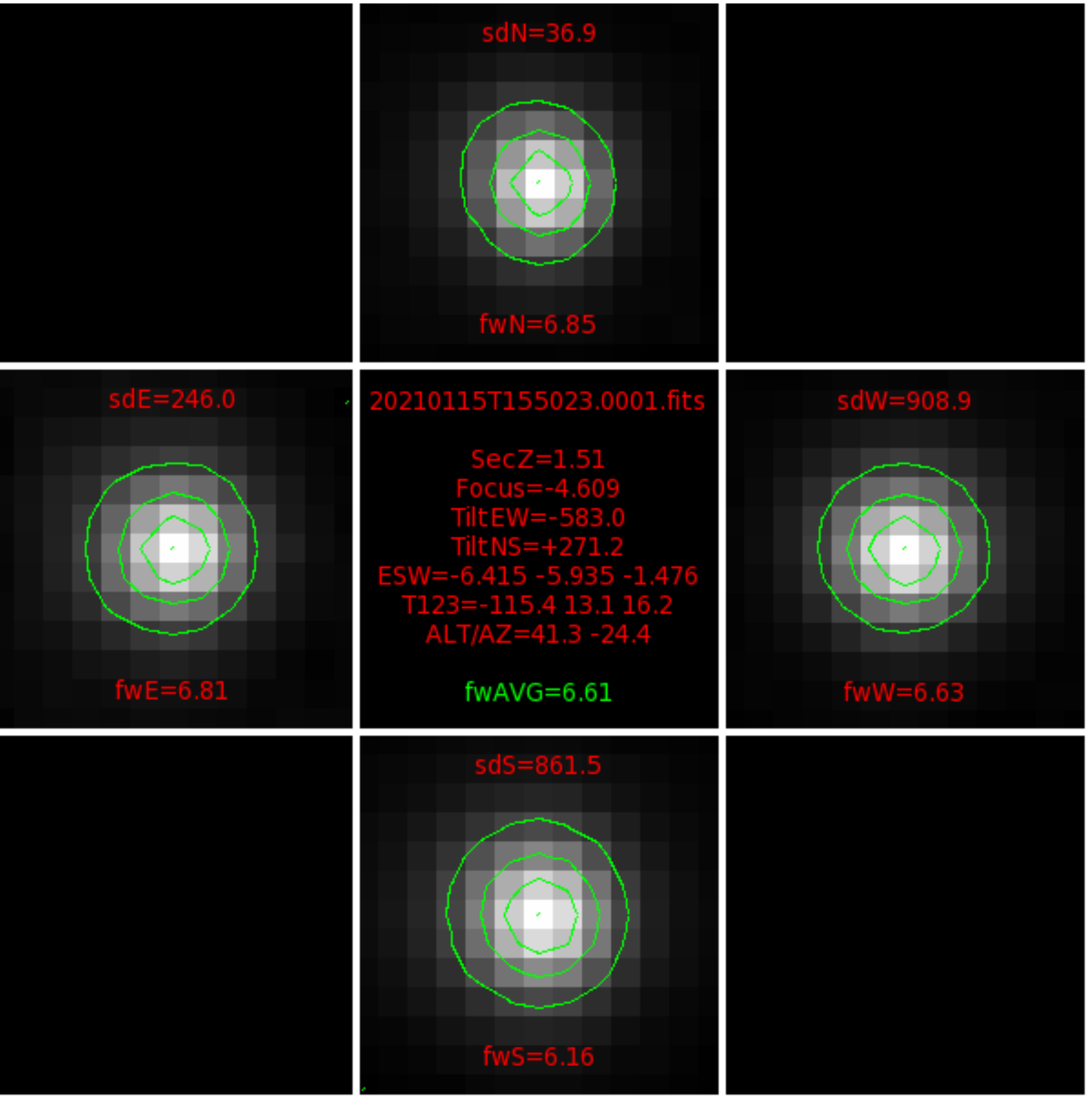
sdN=36.9
fwN=6.85
sdE=246.0
fwE=6.81
20210115T155023.0001.fits
SecZ=1.51
Focus=-4.609
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.415 -5.935 -1.476
T123=-115.4 13.1 16.2
ALT/AZ=41.3 -24.4
fwAVG=6.61
sdW=908.9
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sdS=861.5
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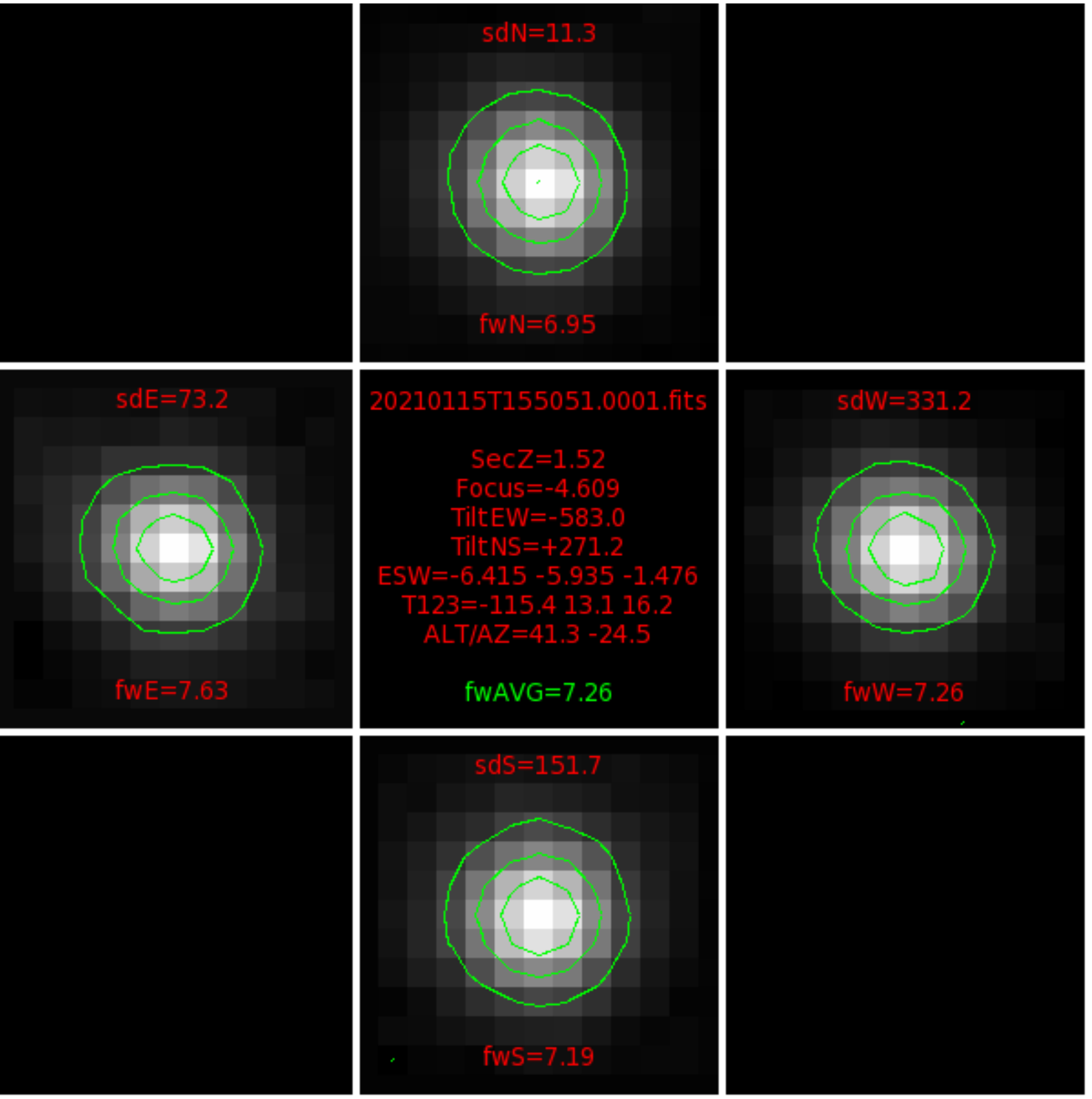
sdN=11.3
fwN=6.95
sdE=73.2
fwE=7.63
20210115T155051.0001.fits
SecZ=1.52
Focus=-4.609
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.415 -5.935 -1.476
T123=-115.4 13.1 16.2
ALT/AZ=41.3 -24.5
fwAVG=7.26
sdW=331.2
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sdS=151.7
fwS=7.19
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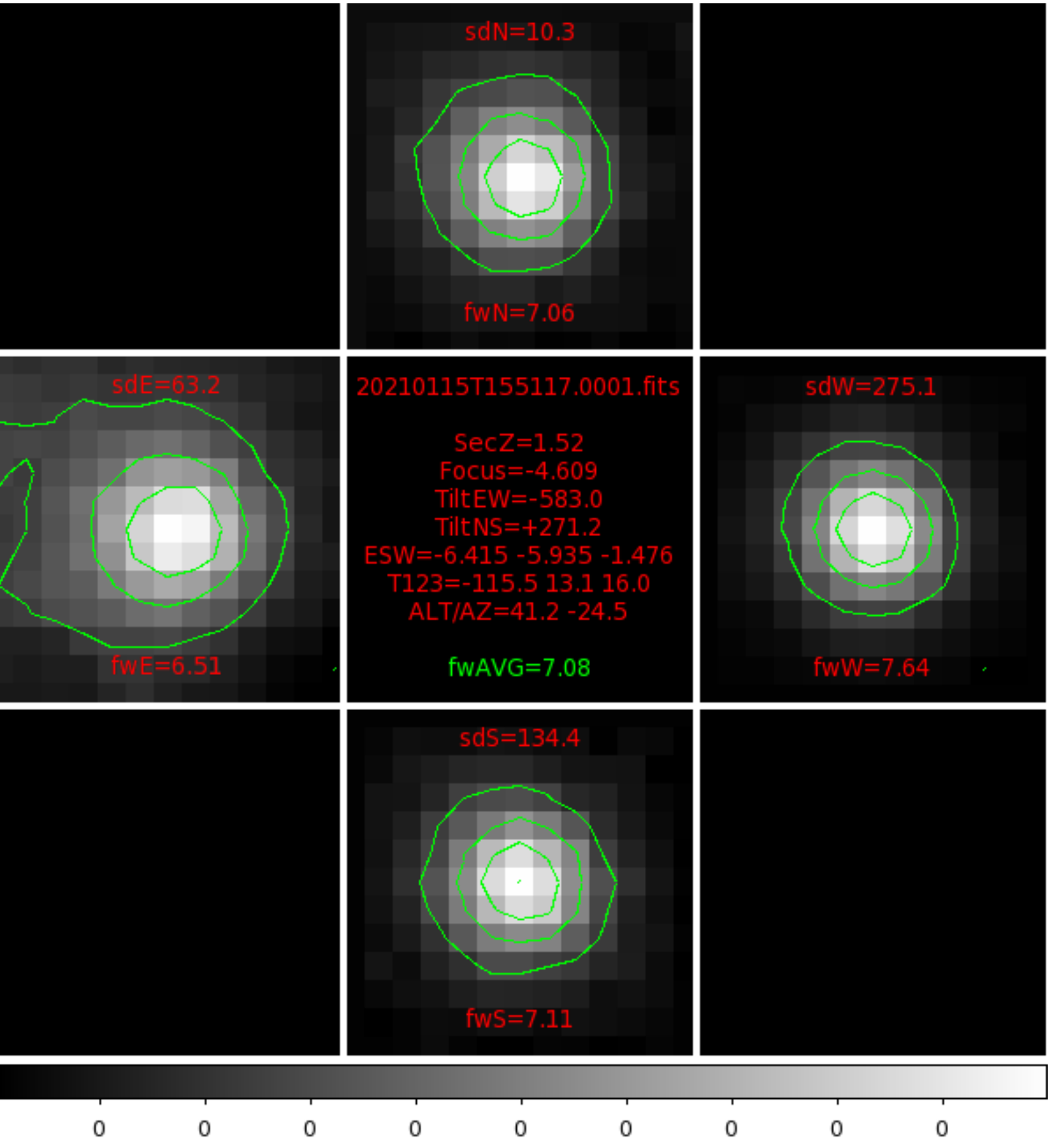
sdN=10.3
fwN=7.06
sdE=63.2
fwE=6.51
20210115T155117.0001.fits
SecZ=1.52
Focus=-4.609
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.415 -5.935 -1.476
T123=-115.5 13.1 16.0
ALT/AZ=41.2 -24.5
fwAVG=7.08
sdW=275.1
fwW=7.64
sdS=134.4
fwS=7.11
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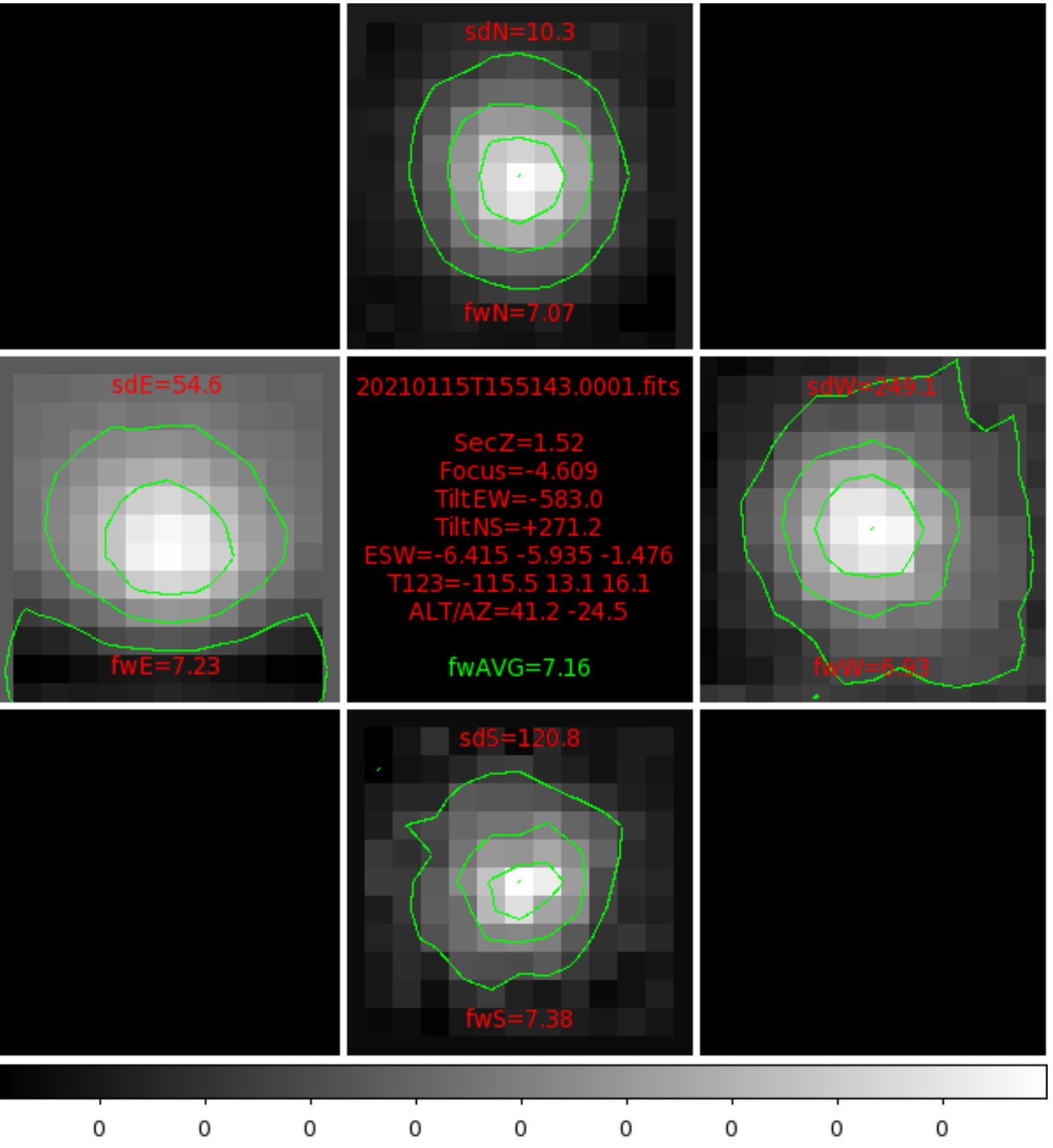
sdN=10.3
fwN=7.07
sdE=54.6
fwE=7.23
20210115T155143.0001.fits
SecZ=1.52
Focus=-4.609
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.415 -5.935 -1.476
T123=-115.5 13.1 16.1
ALT/AZ=41.2 -24.5
fwAVG=7.16
sdW=249.1
fwW=6.93
sdS=120.8
fwS=7.38
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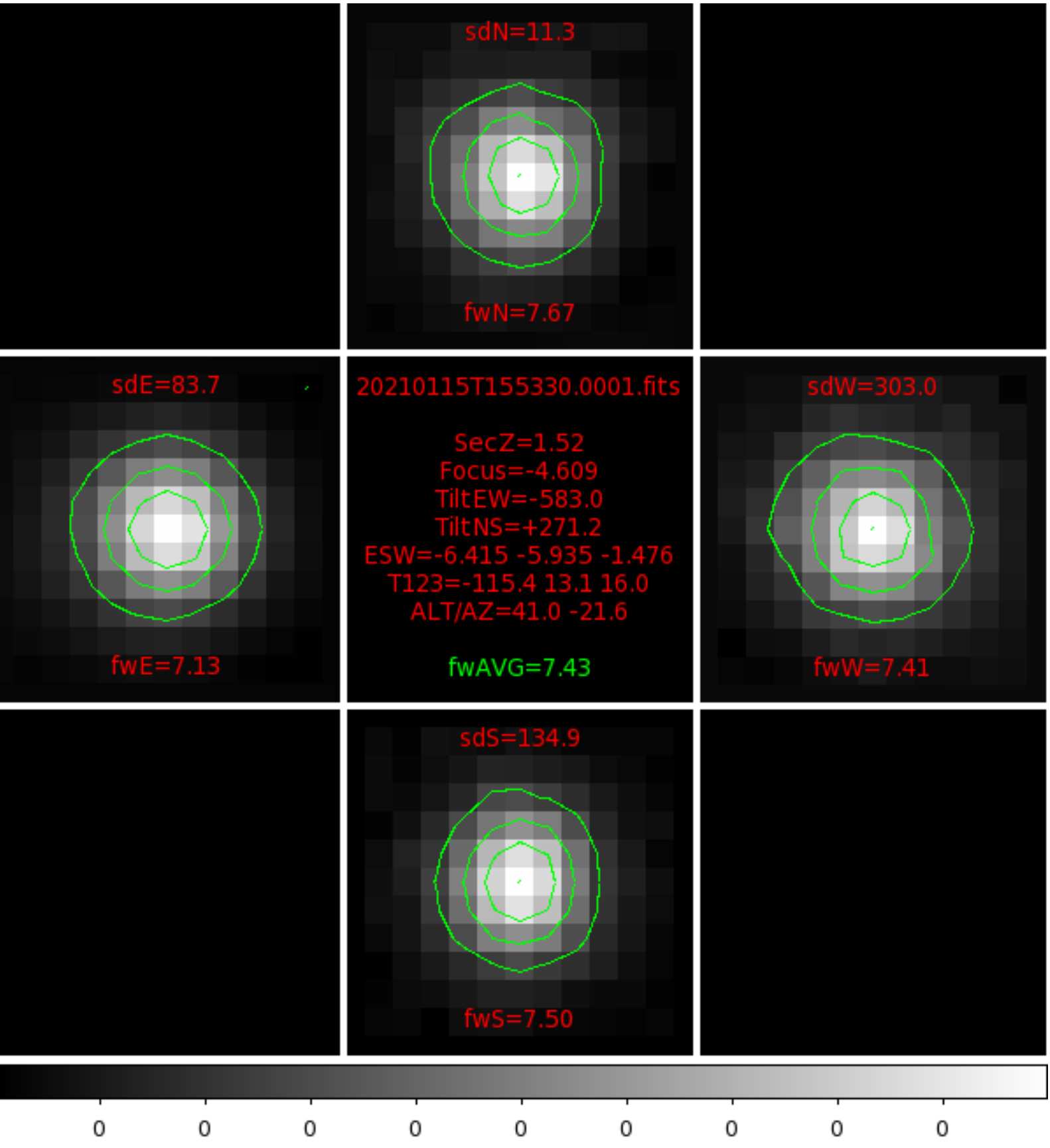
sdN=11.3
fwN=7.67
sdE=83.7
fwE=7.13
20210115T155330.0001.fits
SecZ=1.52
Focus=-4.609
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.415 -5.935 -1.476
T123=-115.4 13.1 16.0
ALT/AZ=41.0 -21.6
fwAVG=7.43
sdW=303.0
fwW=7.41
sdS=134.9
fwS=7.50
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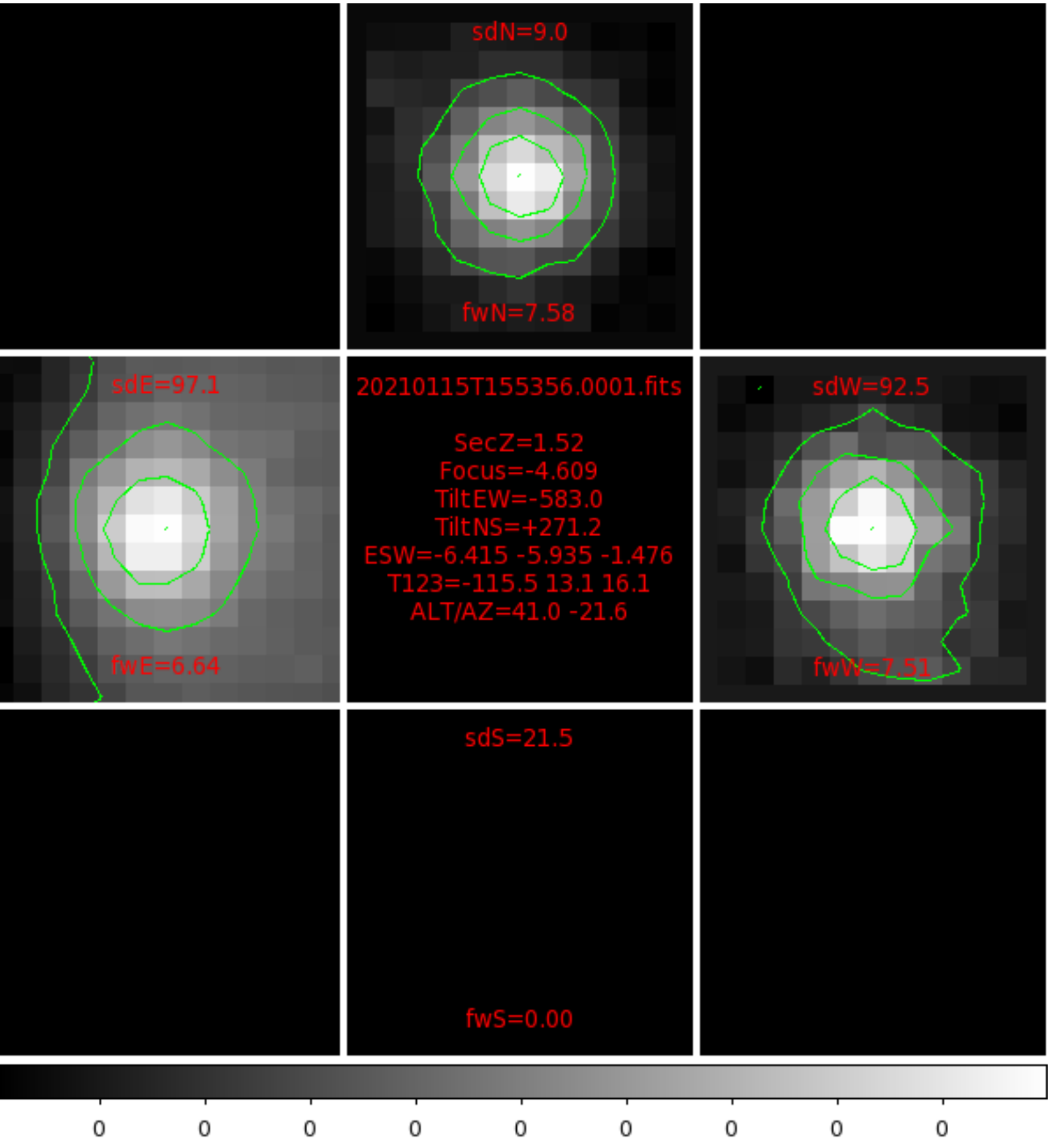
sdN=9.0
fwN=7.58
sdE=97.1
fwE=6.64
20210115T155356.0001.fits
SecZ=1.52
Focus=-4.609
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.415 -5.935 -1.476
T123=-115.5 13.1 16.1
ALT/AZ=41.0 -21.6
sdW=92.5
fwW=7.51
sdS=21.5
fwS=0.00
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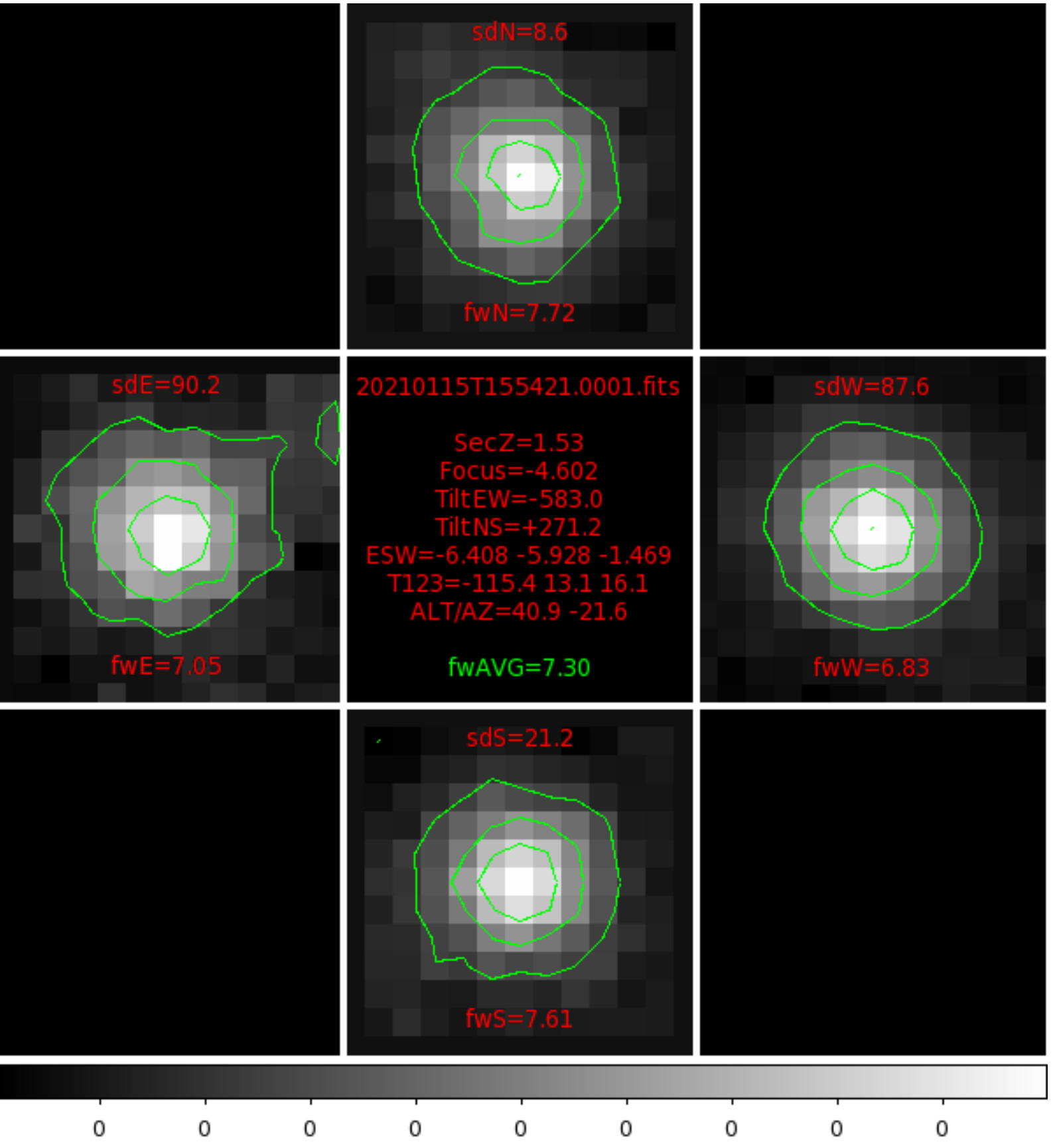
sdN=8.6
fwN=7.72
sdE=90.2
fwE=7.05
20210115T155421.0001.fits
SecZ=1.53
Focus=-4.602
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.408 -5.928 -1.469
T123=-115.4 13.1 16.1
ALT/AZ=40.9 -21.6
fwAVG=7.30
sdW=87.6
fwW=6.83
sdS=21.2
fwS=7.61
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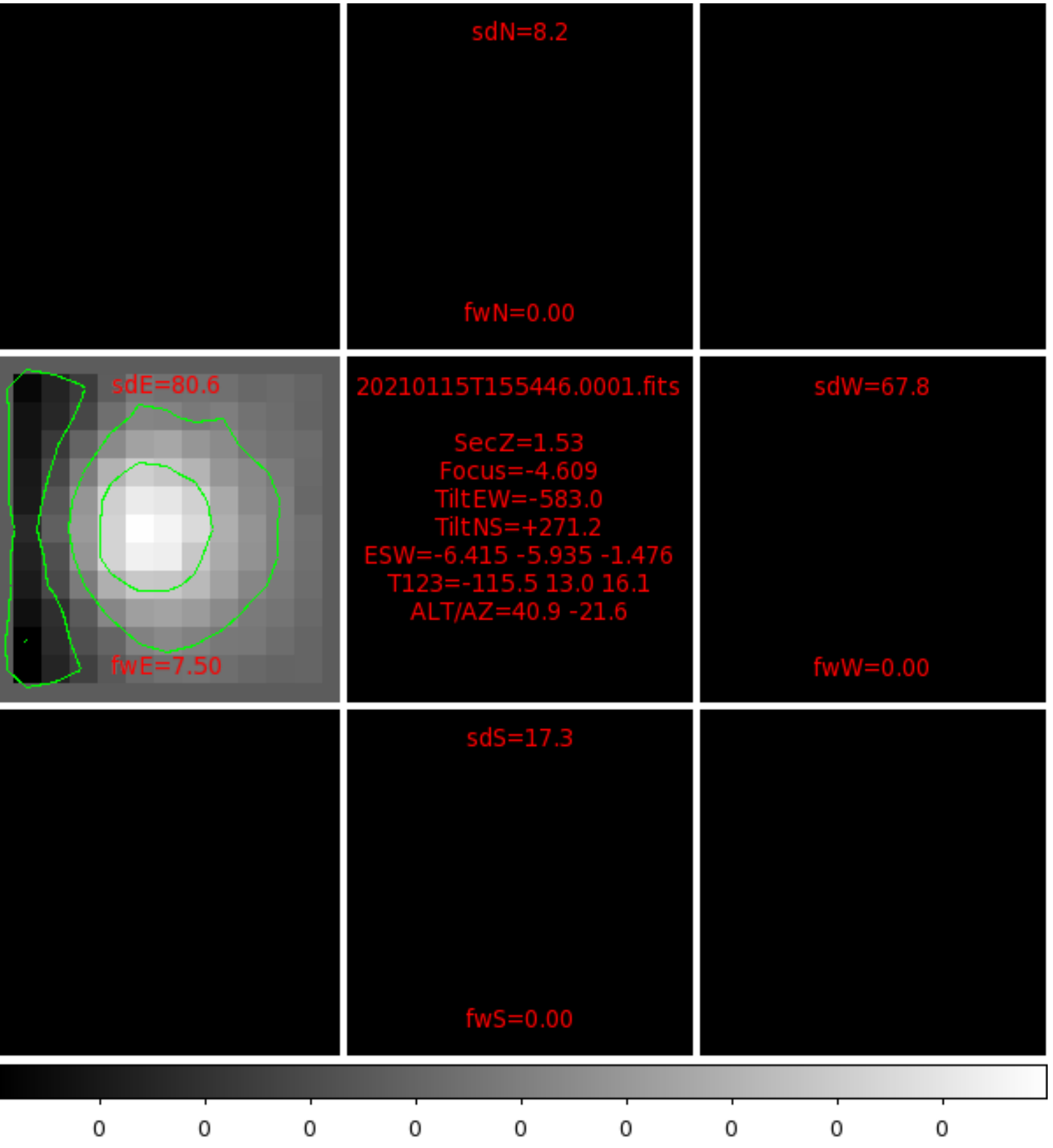
sdN=8.2
fwN=0.00
sdE=80.6
fwE=7.50
20210115T155446.0001.fits
SecZ=1.53
Focus=-4.609
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.415 -5.935 -1.476
T123=-115.5 13.0 16.1
ALT/AZ=40.9 -21.6
sdW=67.8
fwW=0.00
sdS=17.3
fwS=0.00
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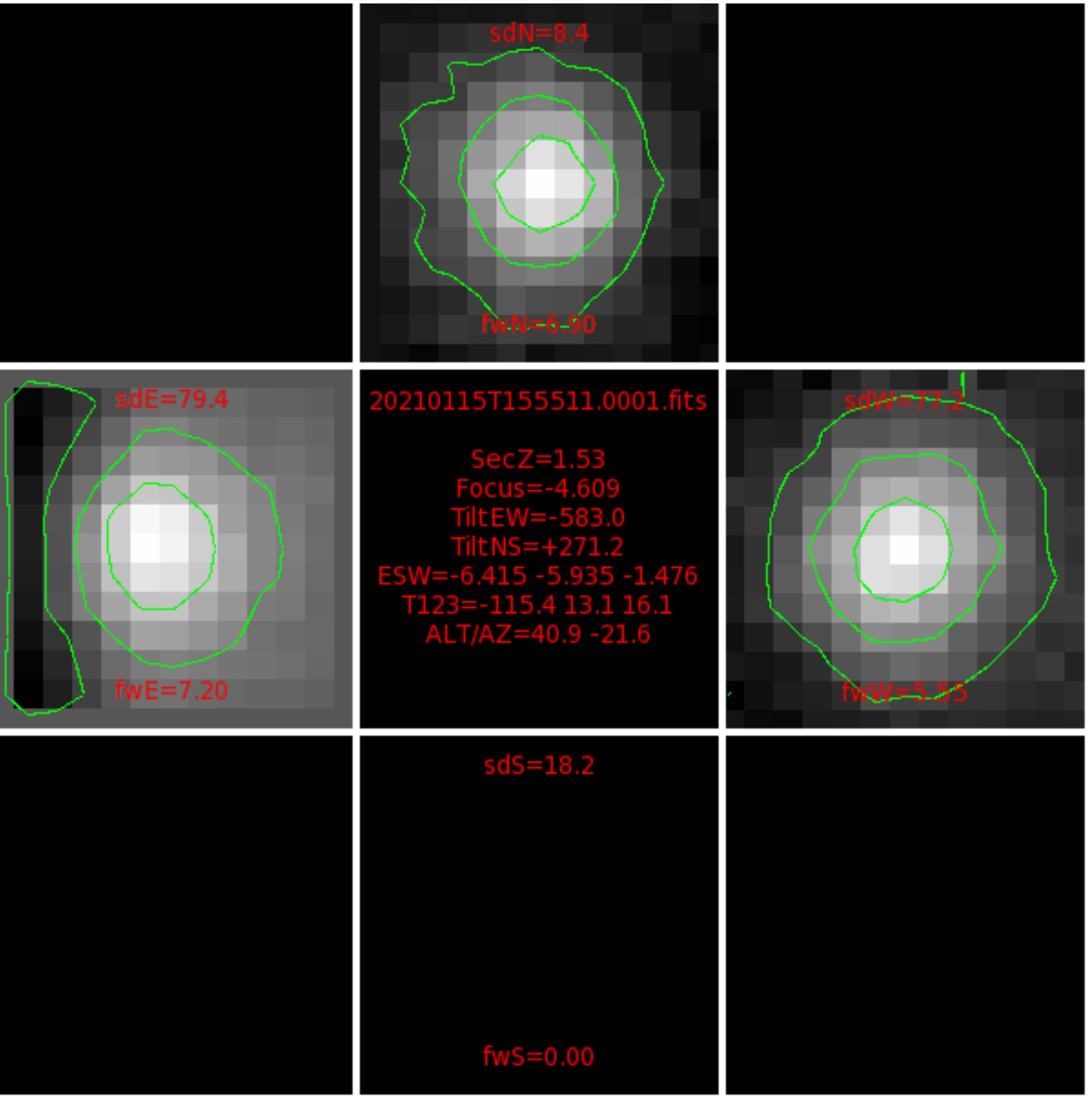
sdN=8.4
fwN=6.90
sdE=79.4
fwE=7.20
20210115T155511.0001.fits
SecZ=1.53
Focus=-4.609
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.415 -5.935 -1.476
T123=-115.4 13.1 16.1
ALT/AZ=40.9 -21.6
sdW=77.2
fwW=5.55
sdS=18.2
fwS=0.00
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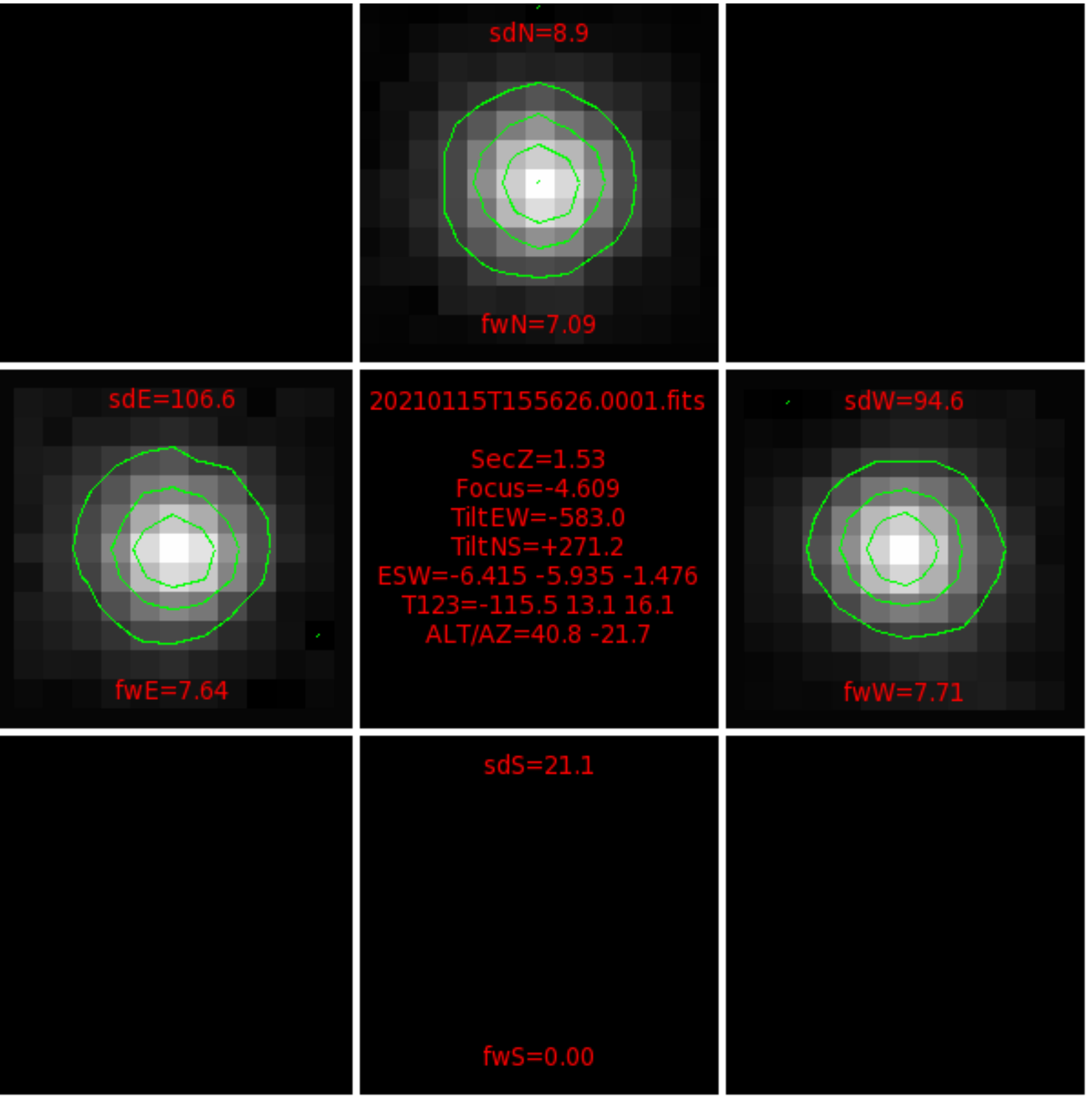
sdN=8.9
fwN=7.09
sdE=106.6
fwE=7.64
20210115T155626.0001.fits
SecZ=1.53
Focus=-4.609
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.415 -5.935 -1.476
T123=-115.5 13.1 16.1
ALT/AZ=40.8 -21.7
sdW=94.6
fwW=7.71
sdS=21.1
fwS=0.00
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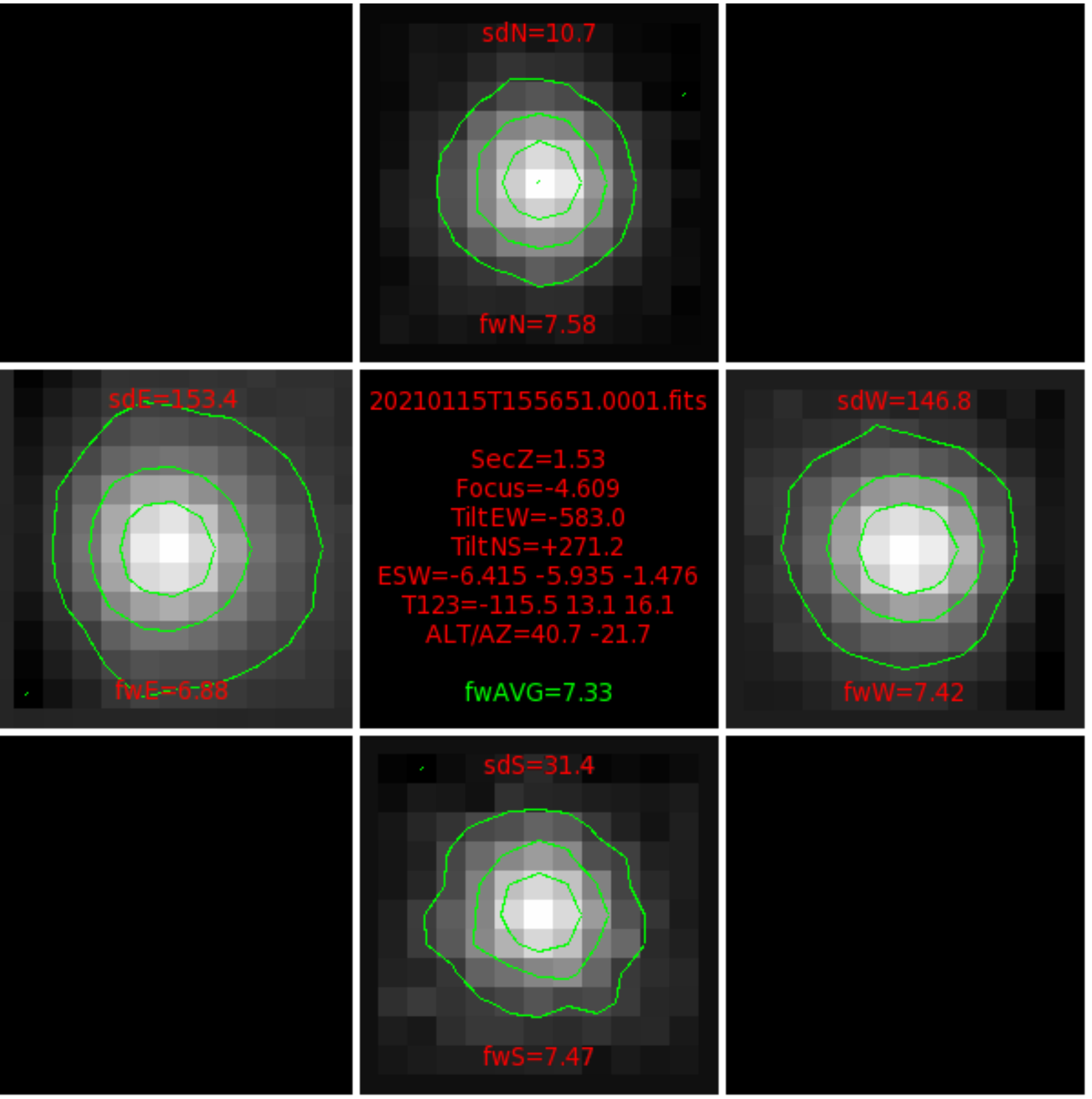
sdN=10.7
fwN=7.58
sdE=153.4
fwE=6.88
20210115T155651.0001.fits
SecZ=1.53
Focus=-4.609
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.415 -5.935 -1.476
T123=-115.5 13.1 16.1
ALT/AZ=40.7 -21.7
fwAVG=7.33
sdW=146.8
fwW=7.42
sdS=31.4
fwS=7.47
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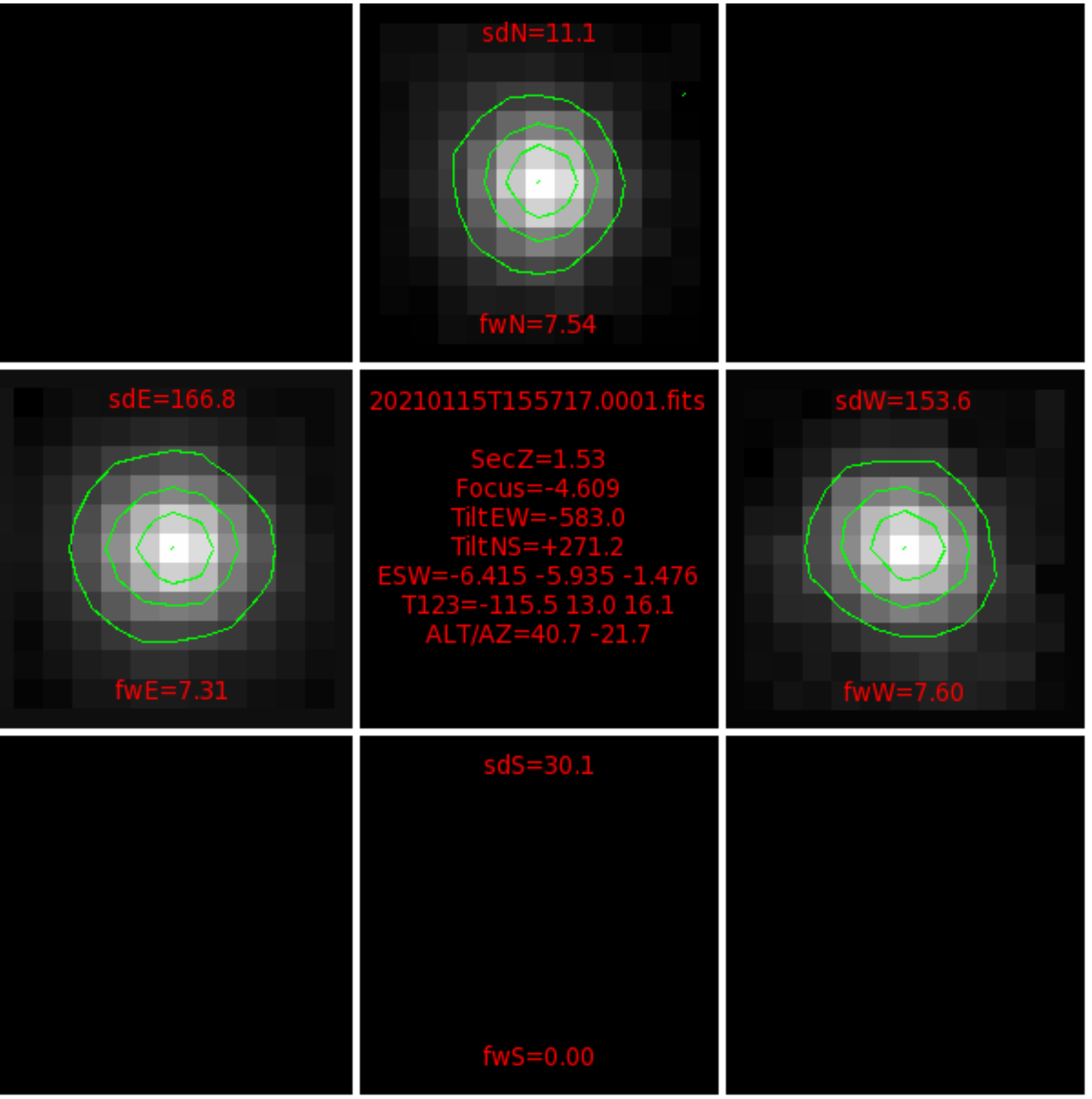
sdN=11.1
fwN=7.54
sdE=166.8
fwE=7.31
20210115T155717.0001.fits
SecZ=1.53
Focus=-4.609
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.415 -5.935 -1.476
T123=-115.5 13.0 16.1
ALT/AZ=40.7 -21.7
sdW=153.6
fwW=7.60
sdS=30.1
fwS=0.00
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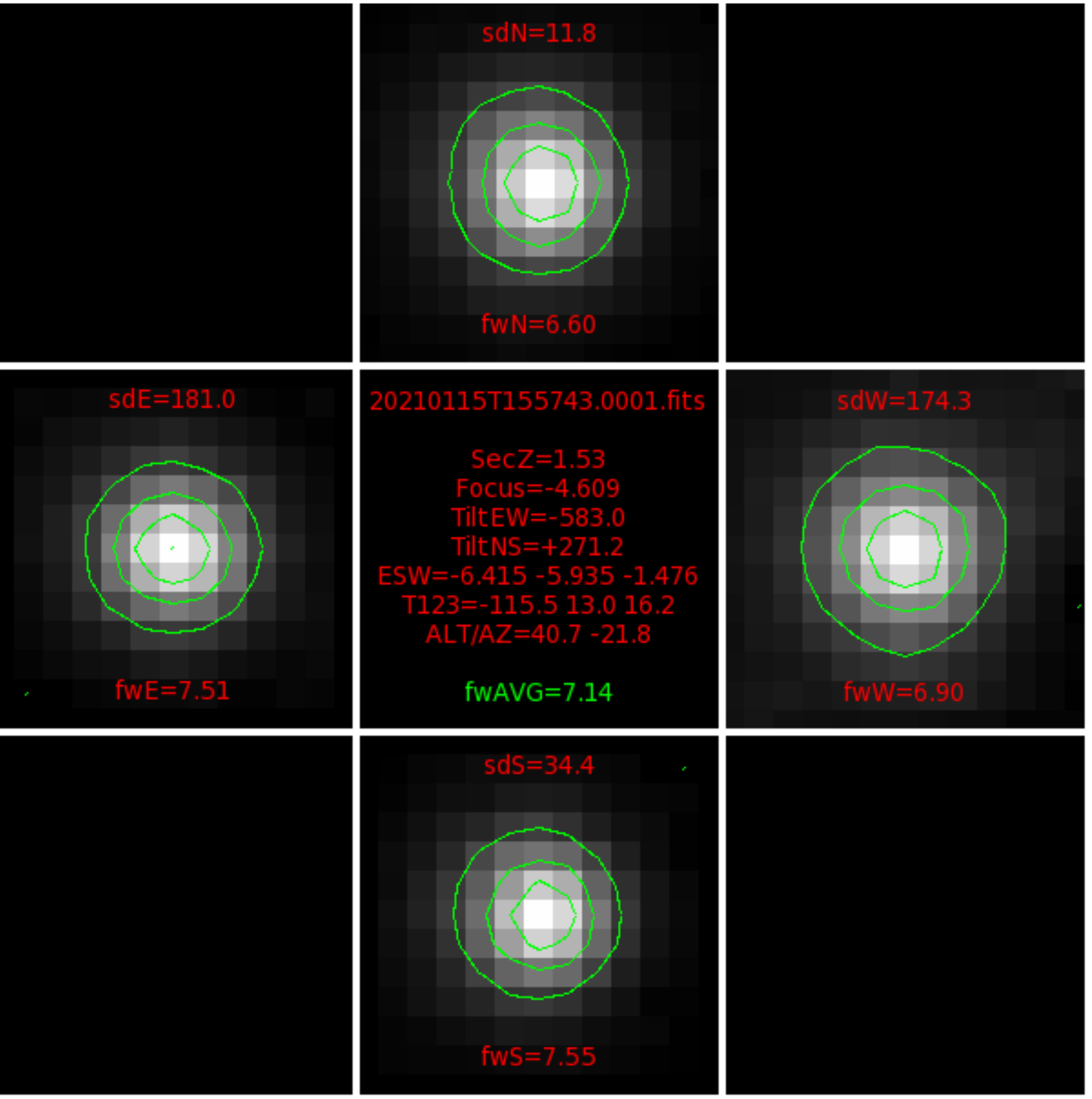
sdN=11.8
fwN=6.60
sdE=181.0
fwE=7.51
20210115T155743.0001.fits
SecZ=1.53
Focus=-4.609
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.415 -5.935 -1.476
T123=-115.5 13.0 16.2
ALT/AZ=40.7 -21.8
fwAVG=7.14
sdW=174.3
fwW=6.90
sdS=34.4
fwS=7.55
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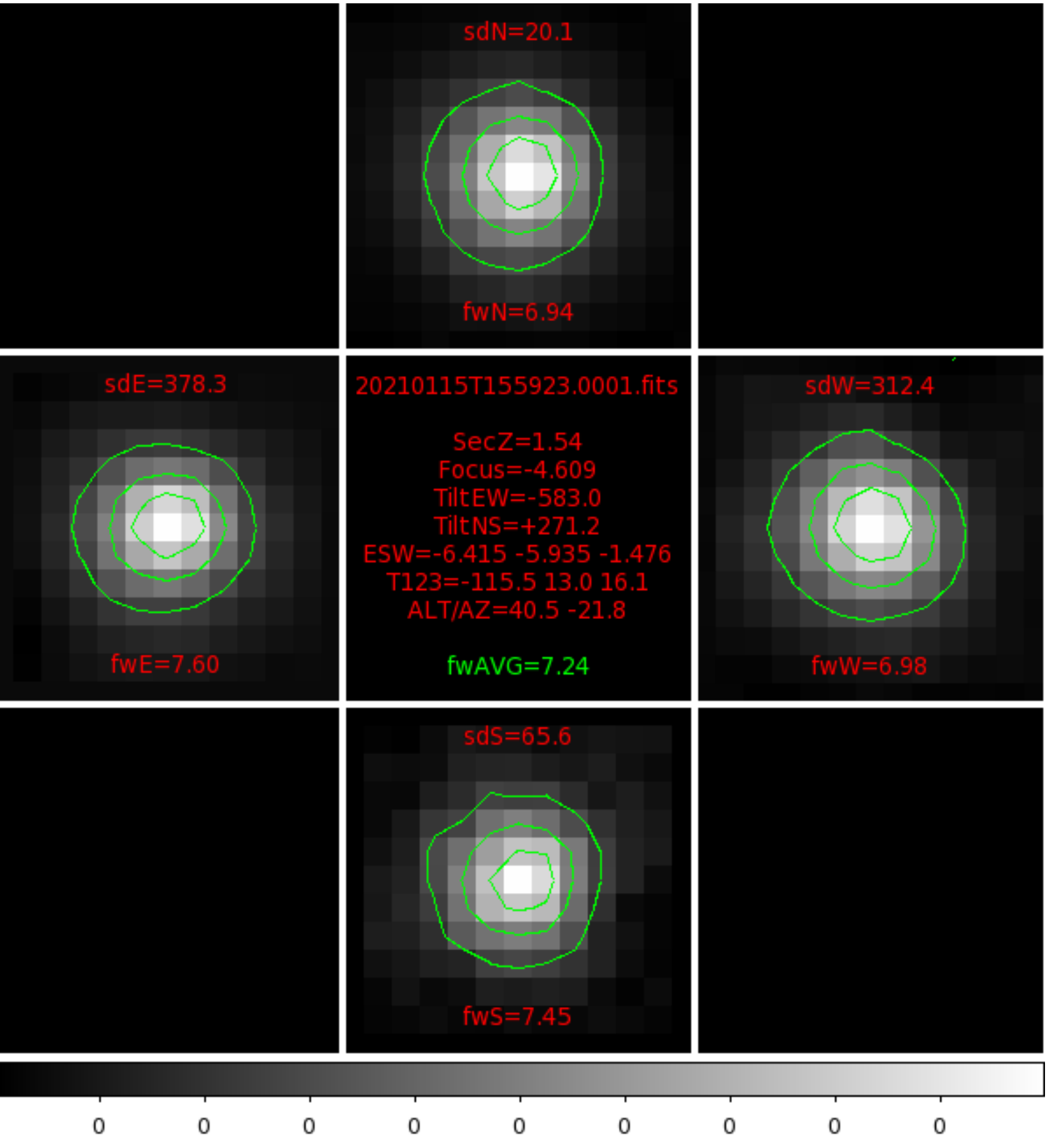
sdN=20.1
fwN=6.94
sdE=378.3
fwE=7.60
20210115T155923.0001.fits
SecZ=1.54
Focus=-4.609
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.415 -5.935 -1.476
T123=-115.5 13.0 16.1
ALT/AZ=40.5 -21.8
fwAVG=7.24
sdW=312.4
fwW=6.98
sdS=65.6
fwS=7.45
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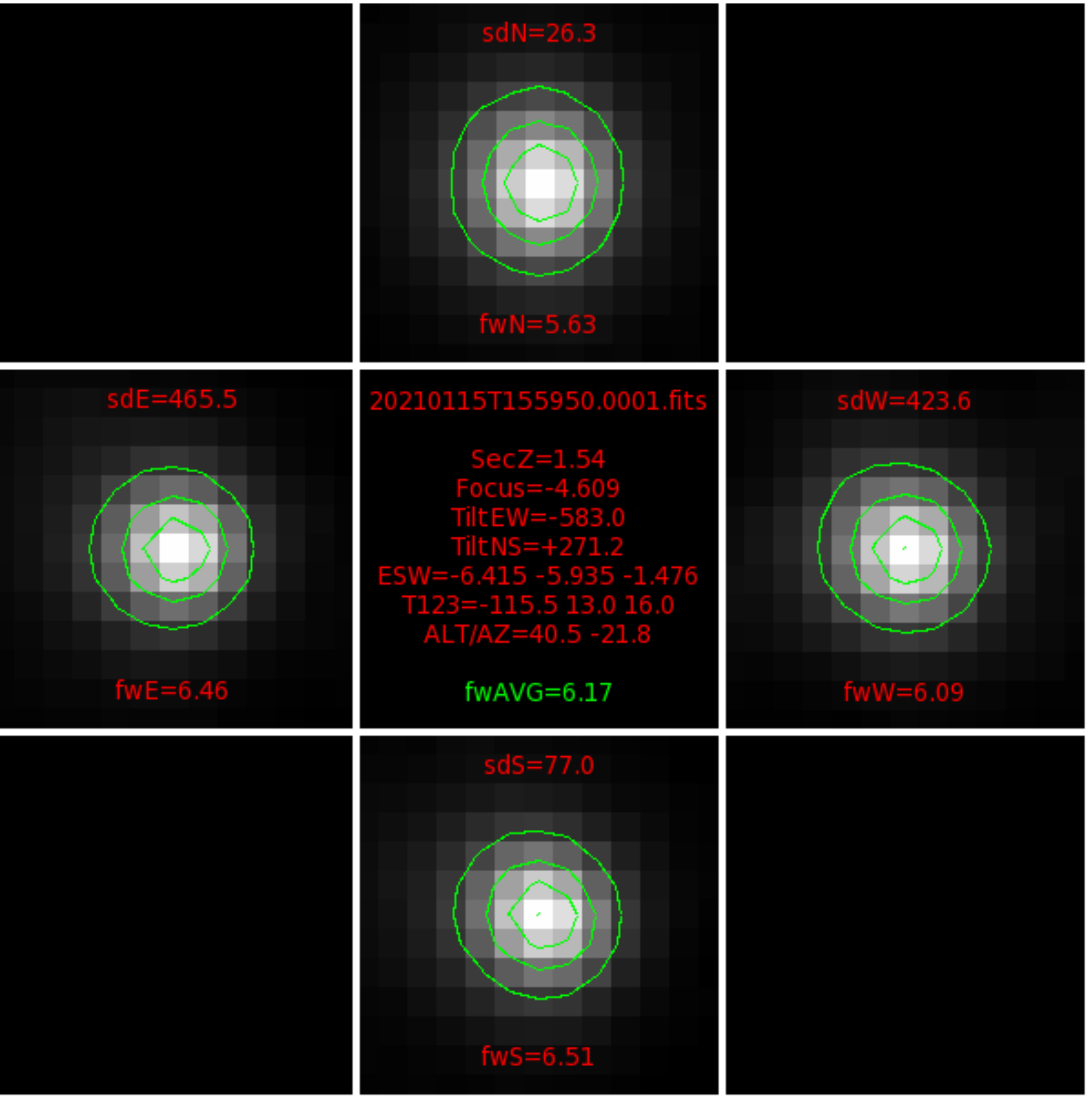
sdN=26.3
fwN=5.63
sdE=465.5
fwE=6.46
20210115T155950.0001.fits
SecZ=1.54
Focus=-4.609
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.415 -5.935 -1.476
T123=-115.5 13.0 16.0
ALT/AZ=40.5 -21.8
fwAVG=6.17
sdW=423.6
fwW=6.09
sdS=77.0
fwS=6.51
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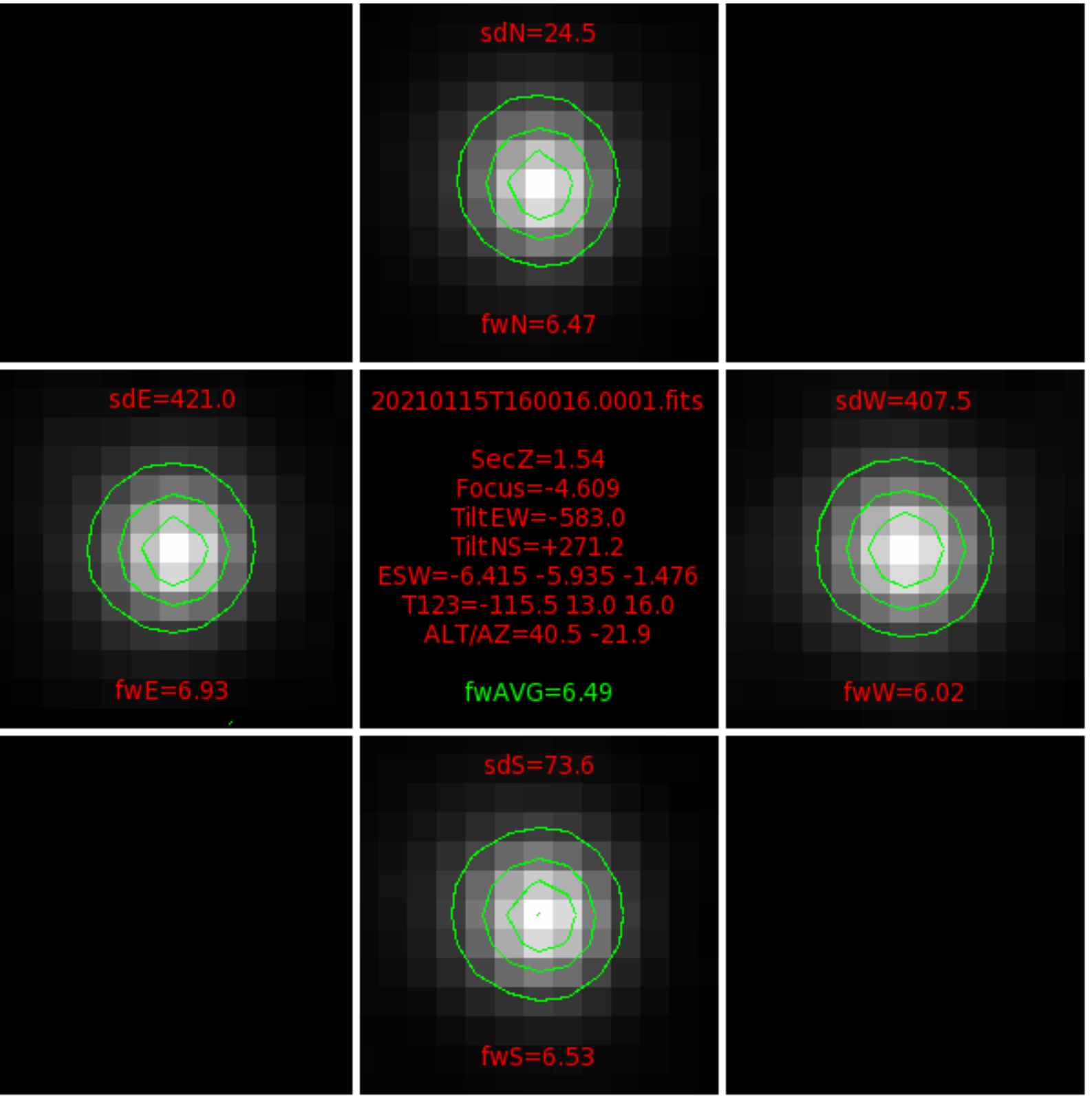
sdN=24.5
fwN=6.47
sdE=421.0
fwE=6.93
20210115T160016.0001.fits
SecZ=1.54
Focus=-4.609
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.415 -5.935 -1.476
T123=-115.5 13.0 16.0
ALT/AZ=40.5 -21.9
fwAVG=6.49
sdW=407.5
fwW=6.02
sdS=73.6
fwS=6.53
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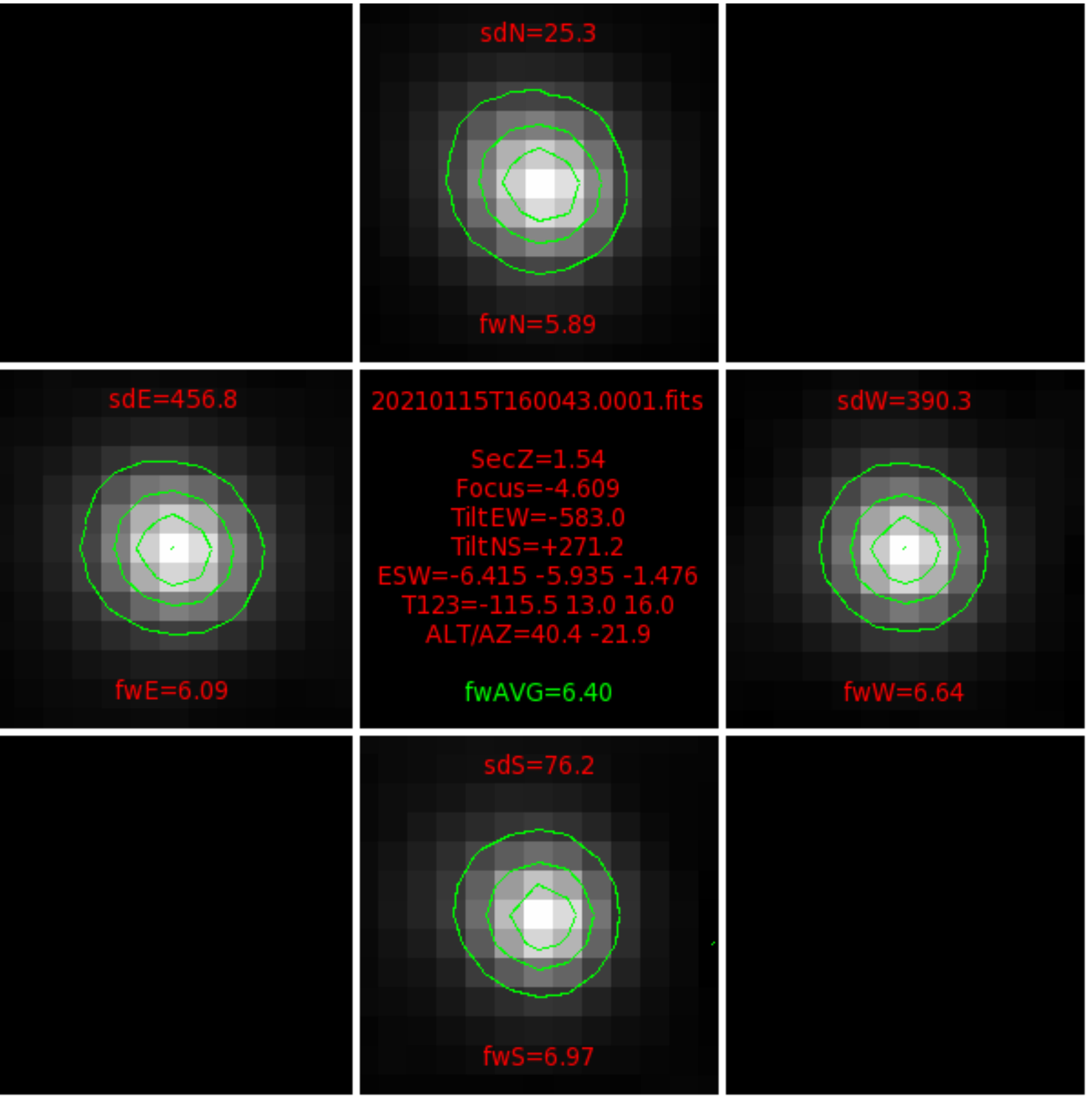
sdN=25.3
fwN=5.89
sdE=456.8
fwE=6.09
20210115T160043.0001.fits
SecZ=1.54
Focus=-4.609
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.415 -5.935 -1.476
T123=-115.5 13.0 16.0
ALT/AZ=40.4 -21.9
fwAVG=6.40
sdW=390.3
fwW=6.64
sdS=76.2
fwS=6.97
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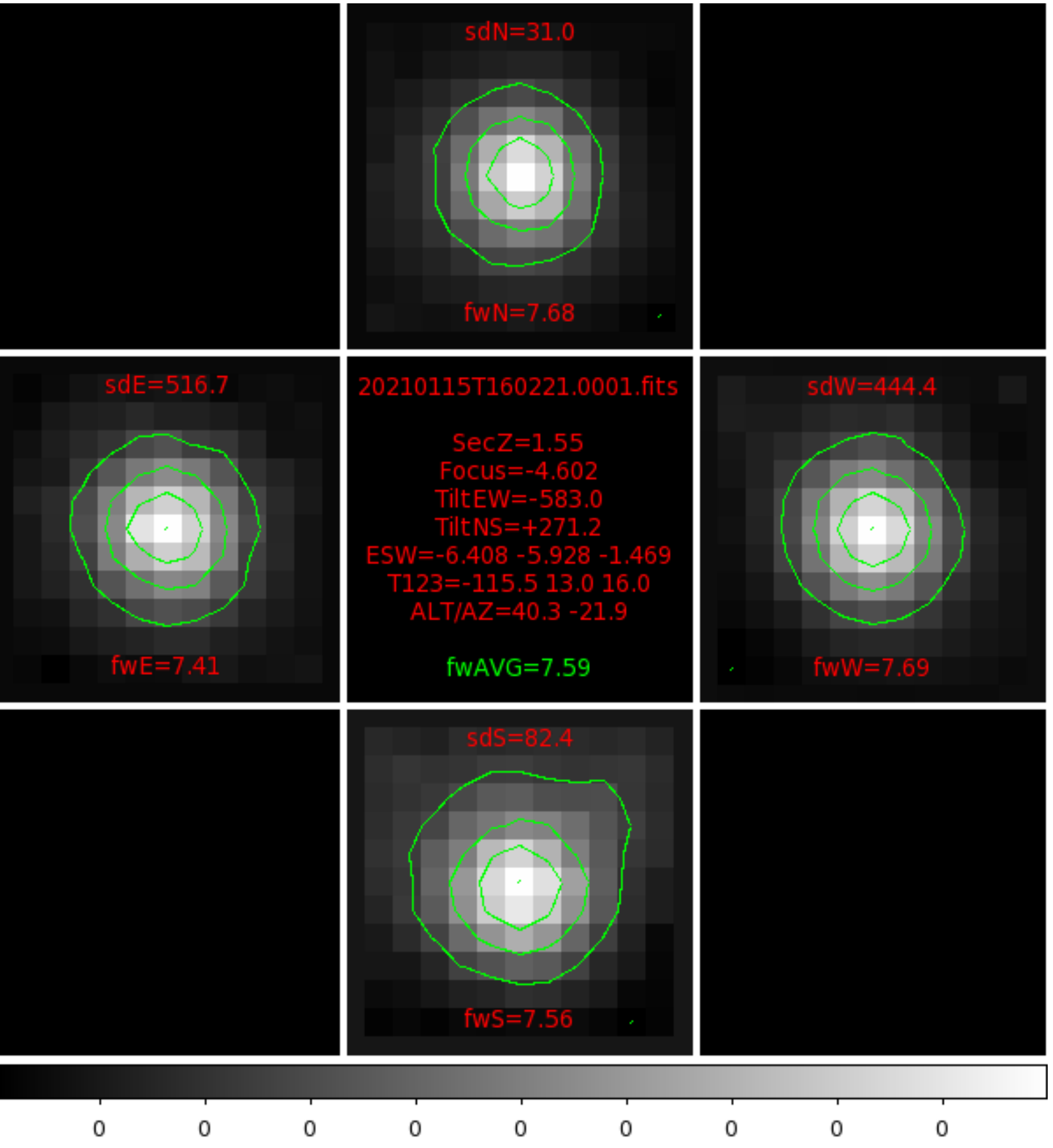
sdN=31.0
fwN=7.68
sdE=516.7
fwE=7.41
20210115T160221.0001.fits
SecZ=1.55
Focus=-4.602
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.408 -5.928 -1.469
T123=-115.5 13.0 16.0
ALT/AZ=40.3 -21.9
fwAVG=7.59
sdW=444.4
fwW=7.69
sdS=82.4
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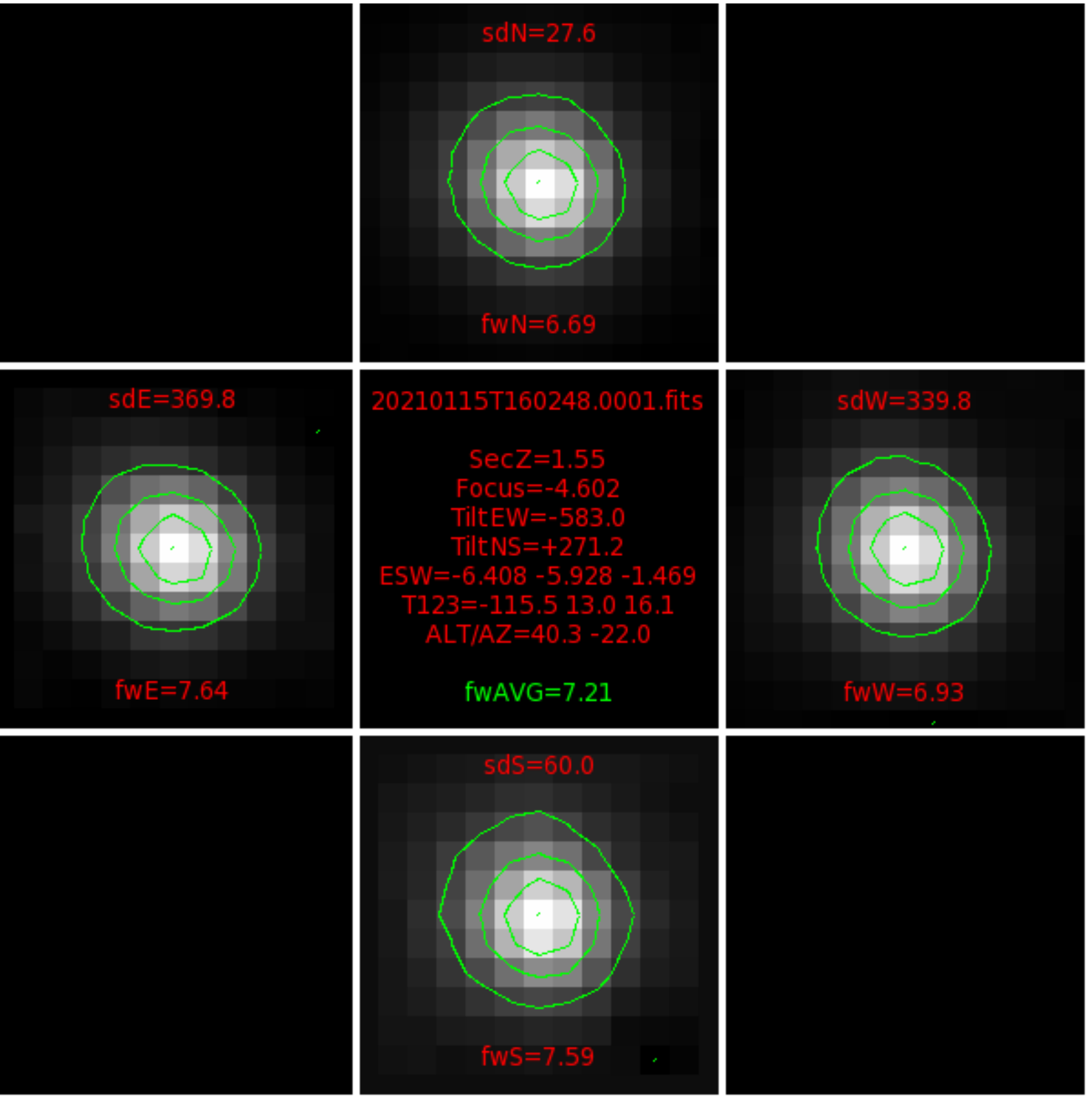
sdN=27.6
fwN=6.69
sdE=369.8
fwE=7.64
20210115T160248.0001.fits
SecZ=1.55
Focus=-4.602
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.408 -5.928 -1.469
T123=-115.5 13.0 16.1
ALT/AZ=40.3 -22.0
fwAVG=7.21
sdW=339.8
fwW=6.93
sdS=60.0
fwS=7.59
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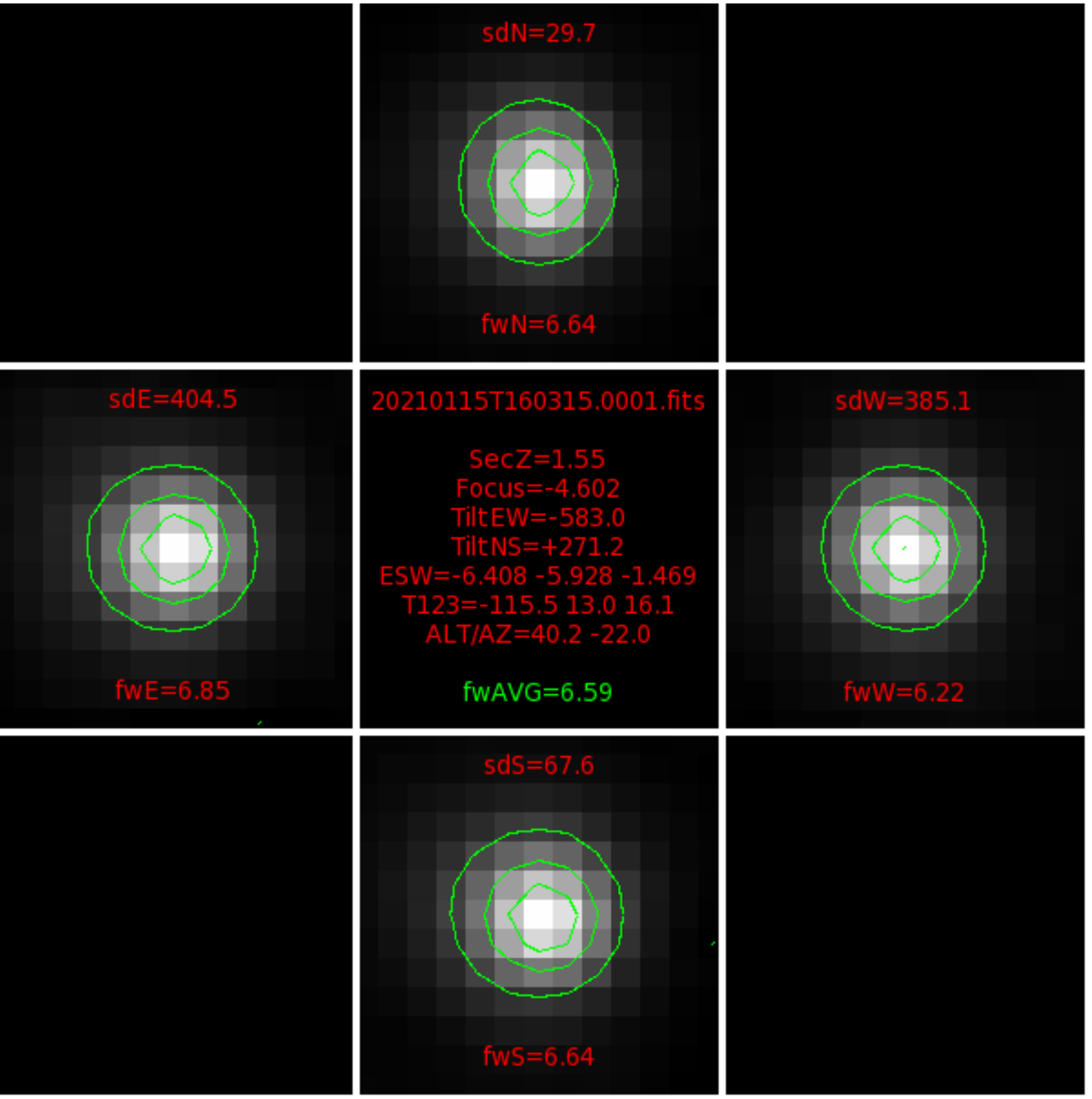
sdN=29.7
fwN=6.64
sdE=404.5
fwE=6.85
20210115T160315.0001.fits
SecZ=1.55
Focus=-4.602
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.408 -5.928 -1.469
T123=-115.5 13.0 16.1
ALT/AZ=40.2 -22.0
fwAVG=6.59
sdW=385.1
fwW=6.22
sdS=67.6
fwS=6.64
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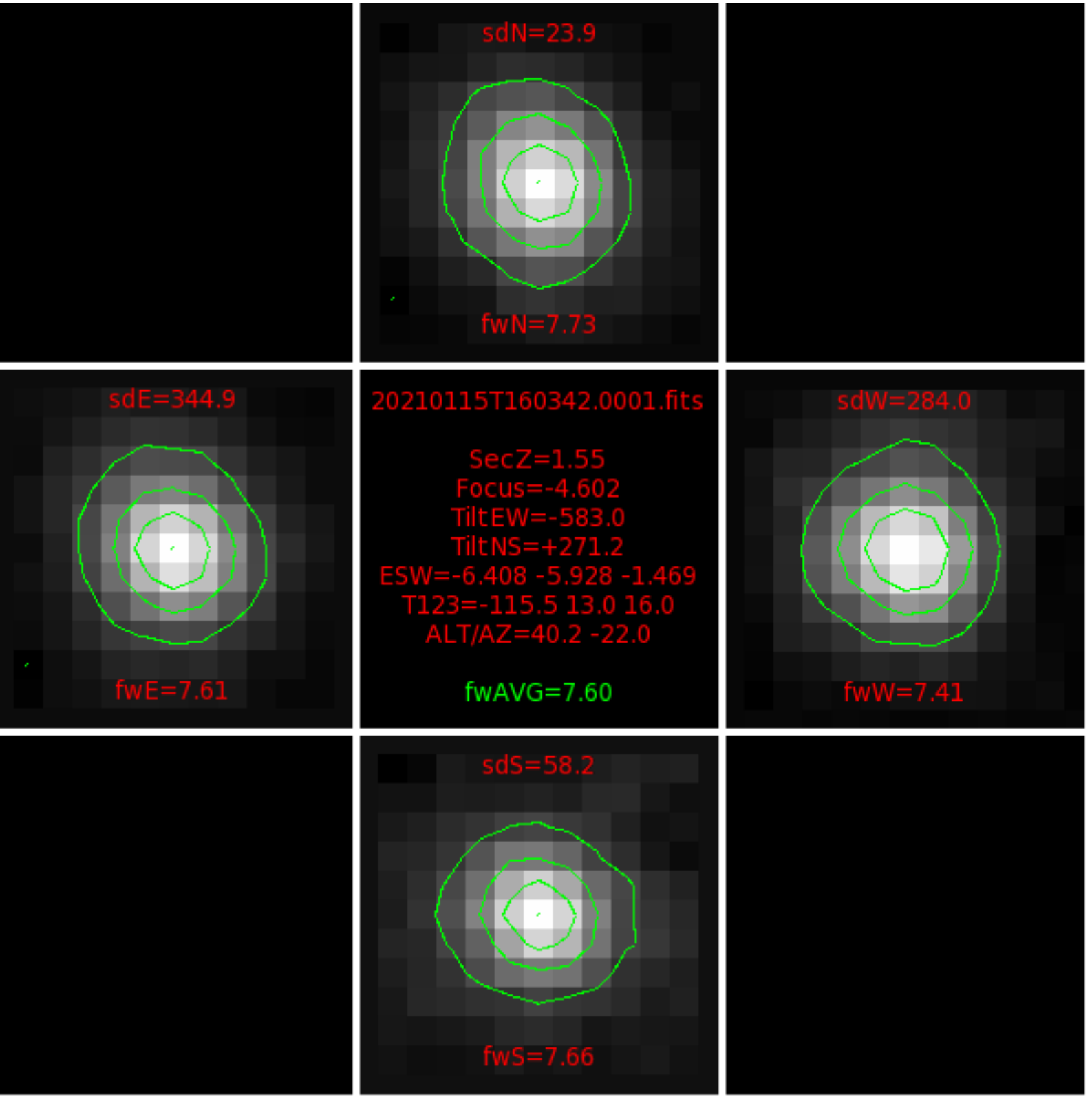
sdN=23.9
fwN=7.73
sdE=344.9
fwE=7.61
20210115T160342.0001.fits
SecZ=1.55
Focus=-4.602
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.408 -5.928 -1.469
T123=-115.5 13.0 16.0
ALT/AZ=40.2 -22.0
fwAVG=7.60
sdW=284.0
fwW=7.41
sdS=58.2
fwS=7.66
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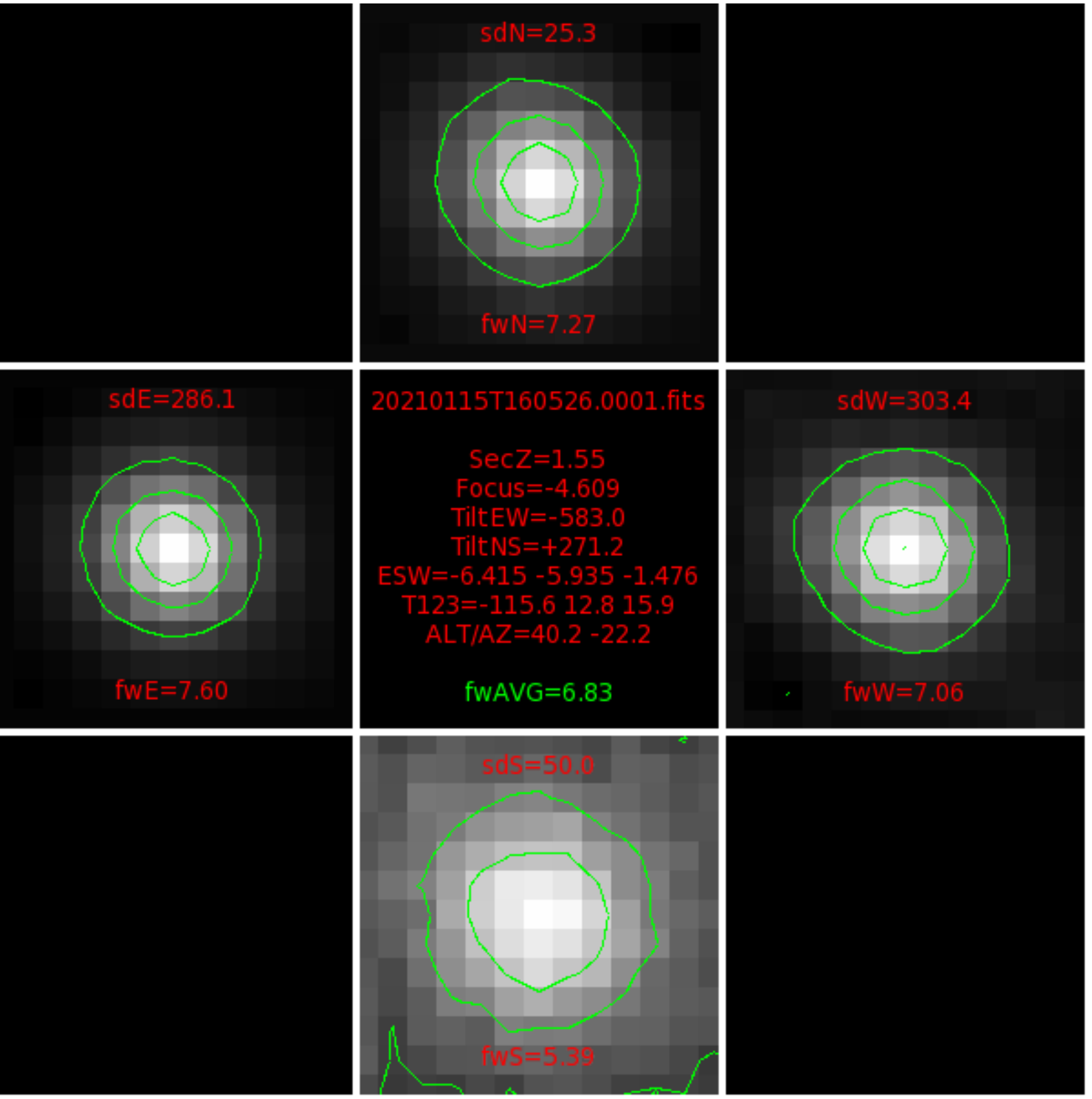
sdN=25.3
fwN=7.27
sdE=286.1
fwE=7.60
20210115T160526.0001.fits
SecZ=1.55
Focus=-4.609
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.415 -5.935 -1.476
T123=-115.6 12.8 15.9
ALT/AZ=40.2 -22.2
fwAVG=6.83
sdW=303.4
fwW=7.06
sdS=50.0
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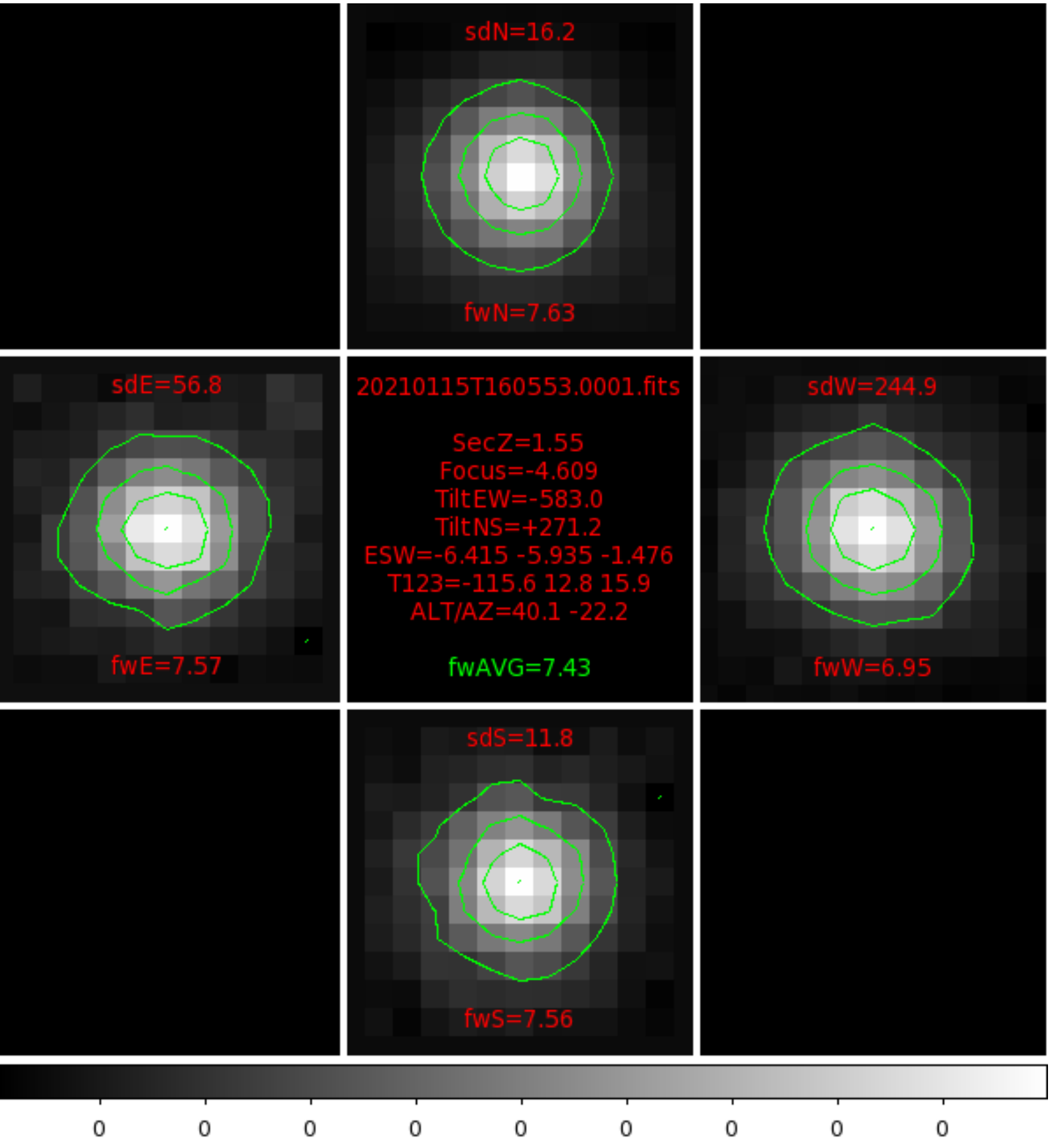
sdN=16.2
fwN=7.63
sdE=56.8
fwE=7.57
20210115T160553.0001.fits
SecZ=1.55
Focus=-4.609
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.415 -5.935 -1.476
T123=-115.6 12.8 15.9
ALT/AZ=40.1 -22.2
fwAVG=7.43
sdW=244.9
fwW=6.95
sdS=11.8
fwS=7.56
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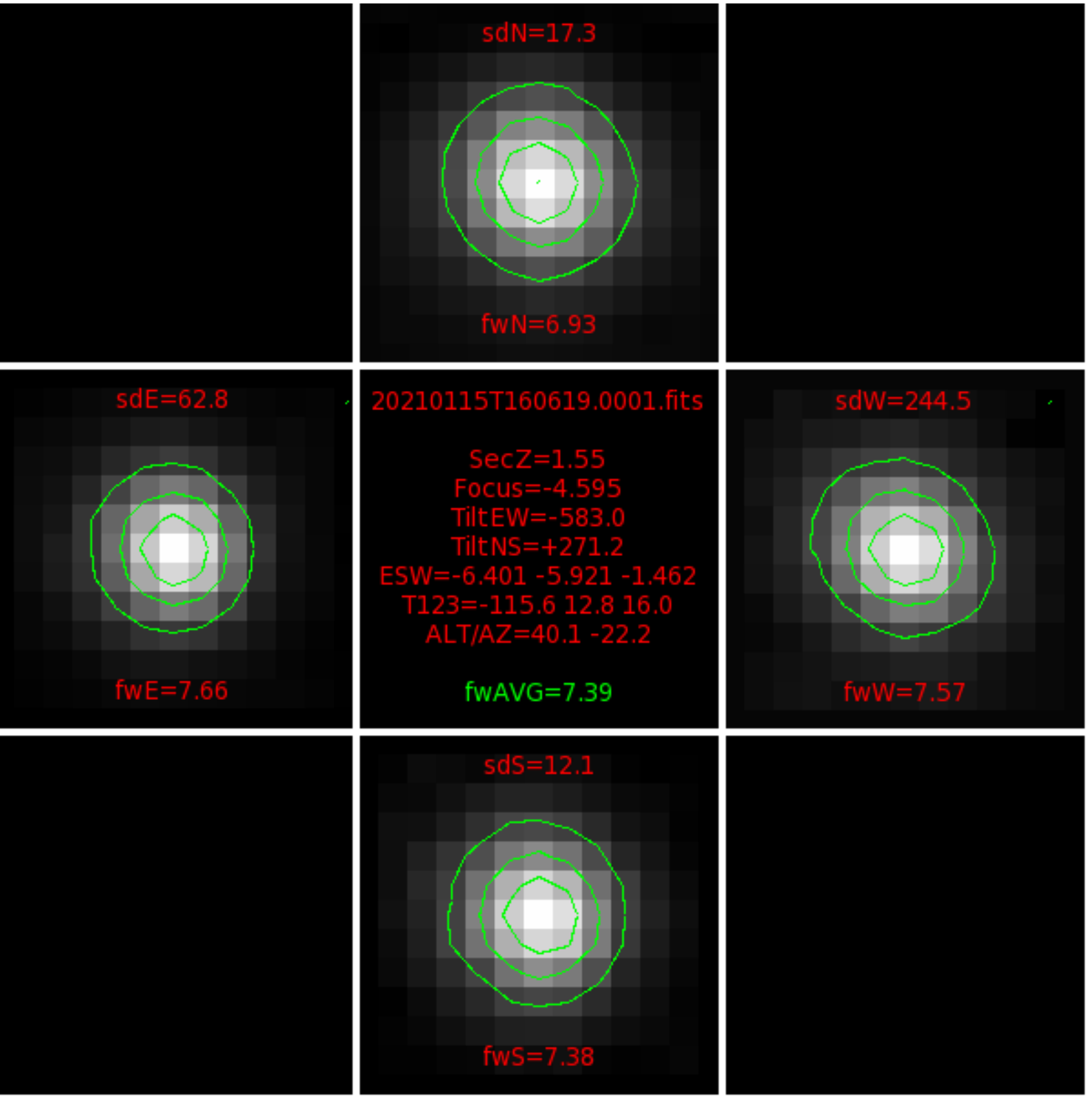
sdN=17.3
fwN=6.93
sdE=62.8
fwE=7.66
20210115T160619.0001.fits
SecZ=1.55
Focus=-4.595
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.401 -5.921 -1.462
T123=-115.6 12.8 16.0
ALT/AZ=40.1 -22.2
fwAVG=7.39
sdW=244.5
fwW=7.57
sdS=12.1
fwS=7.38
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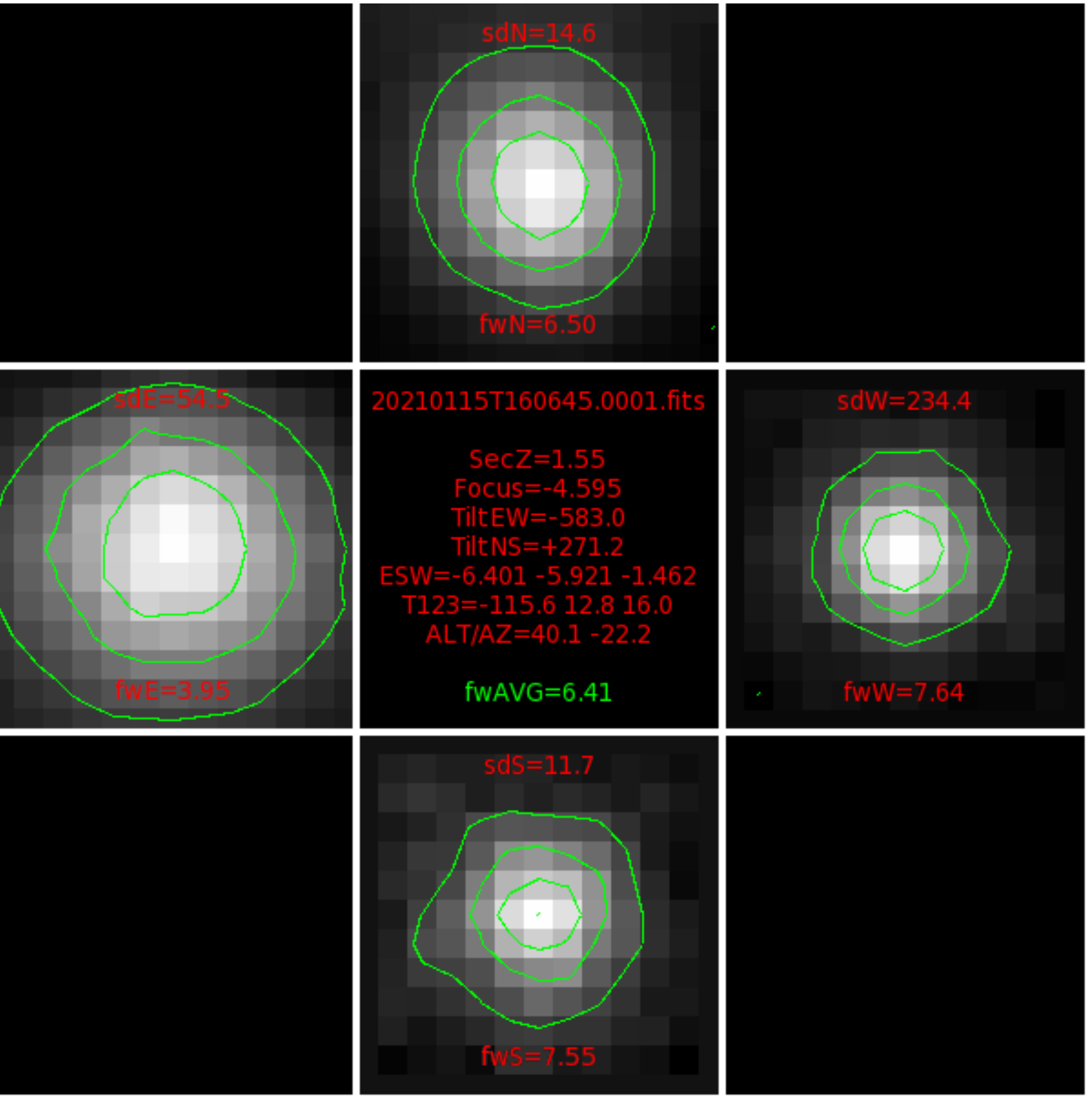
sdN=14.6
fwN=6.50
sdE=54.5
fwE=3.95
20210115T160645.0001.fits
SecZ=1.55
Focus=-4.595
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.401 -5.921 -1.462
T123=-115.6 12.8 16.0
ALT/AZ=40.1 -22.2
fwAVG=6.41
sdW=234.4
fwW=7.64
sdS=11.7
fwS=7.55
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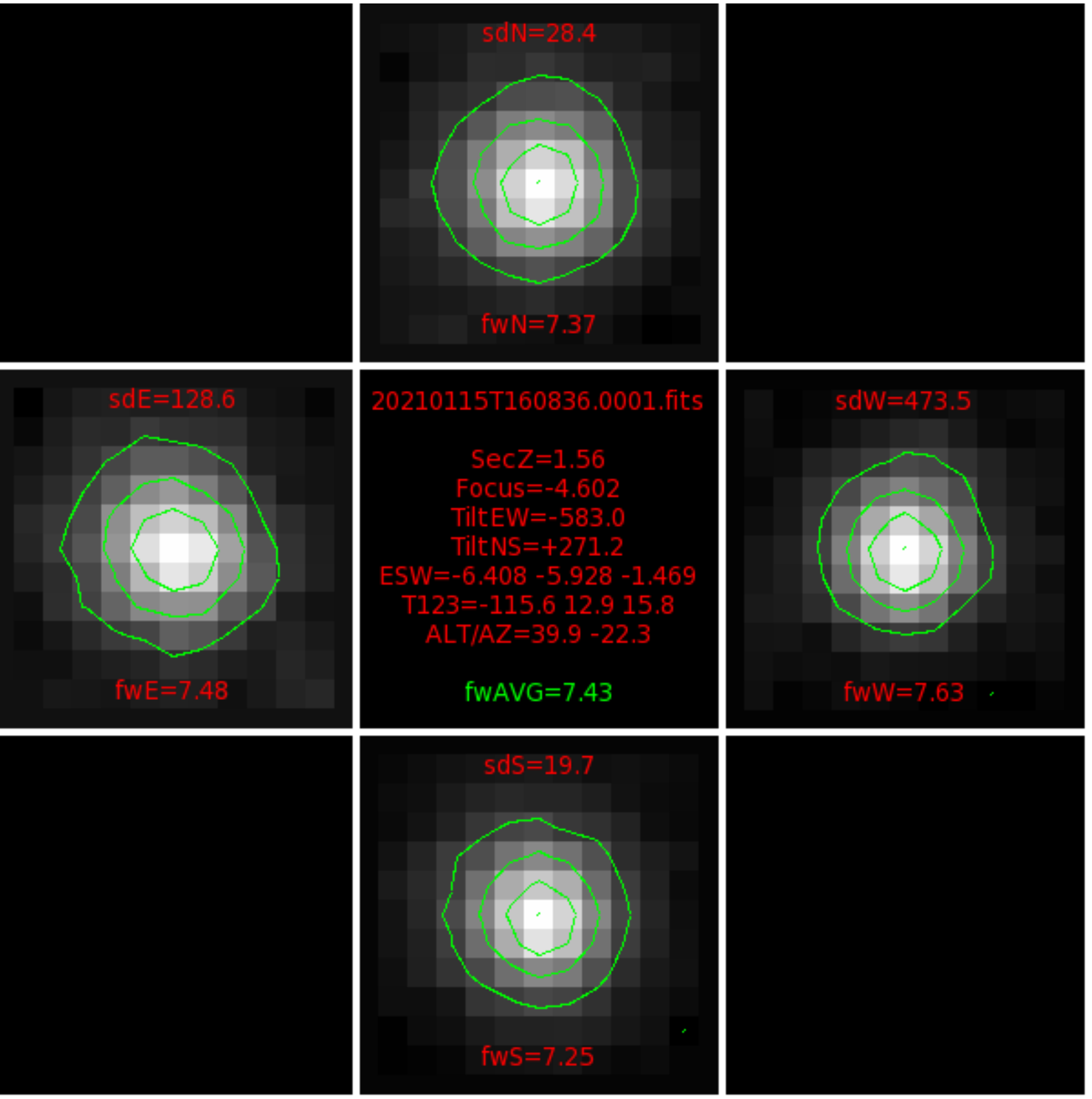
sdN=28.4
fwN=7.37
sdE=128.6
fwE=7.48
20210115T160836.0001.fits
SecZ=1.56
Focus=-4.602
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.408 -5.928 -1.469
T123=-115.6 12.9 15.8
ALT/AZ=39.9 -22.3
fwAVG=7.43
sdW=473.5
fwW=7.63
sdS=19.7
fwS=7.25
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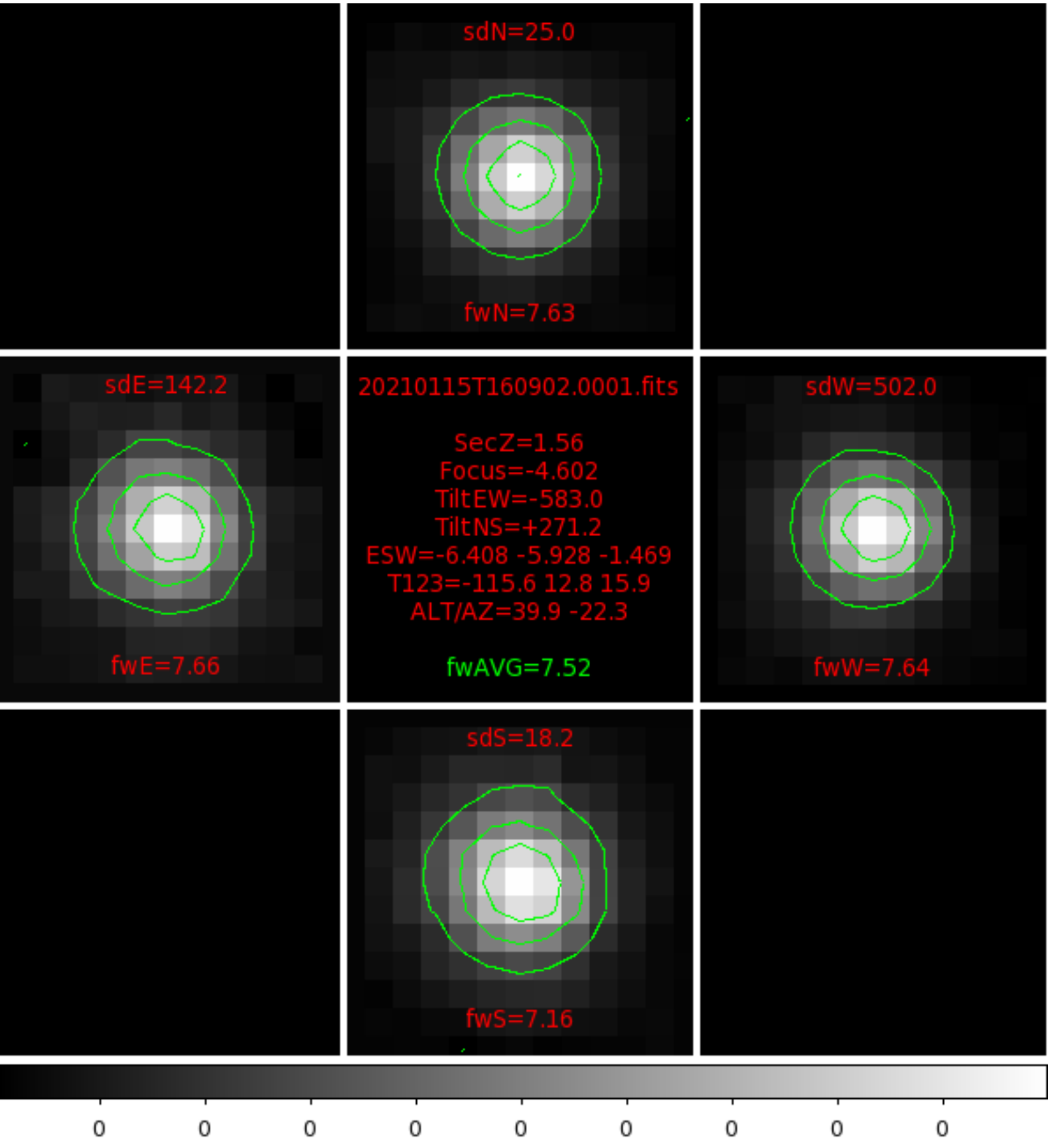
sdN=25.0
fwN=7.63
sdE=142.2
fwE=7.66
20210115T160902.0001.fits
SecZ=1.56
Focus=-4.602
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.408 -5.928 -1.469
T123=-115.6 12.8 15.9
ALT/AZ=39.9 -22.3
fwAVG=7.52
sdW=502.0
fwW=7.64
sdS=18.2
fwS=7.16
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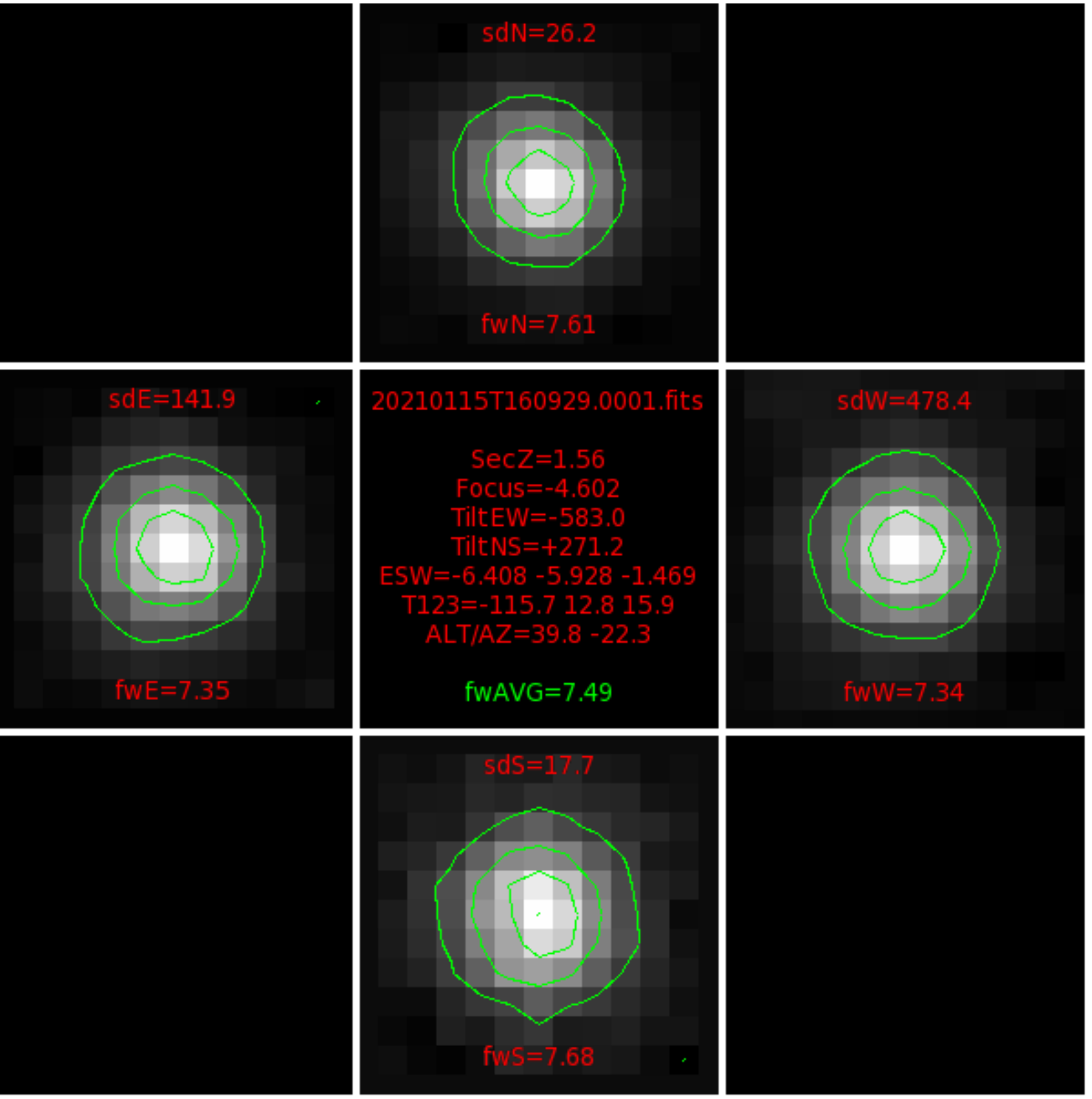
sdN=26.2
fwN=7.61
sdE=141.9
fwE=7.35
20210115T160929.0001.fits
SecZ=1.56
Focus=-4.602
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.408 -5.928 -1.469
T123=-115.7 12.8 15.9
ALT/AZ=39.8 -22.3
fwAVG=7.49
sdW=478.4
fwW=7.34
sdS=17.7
fwS=7.68
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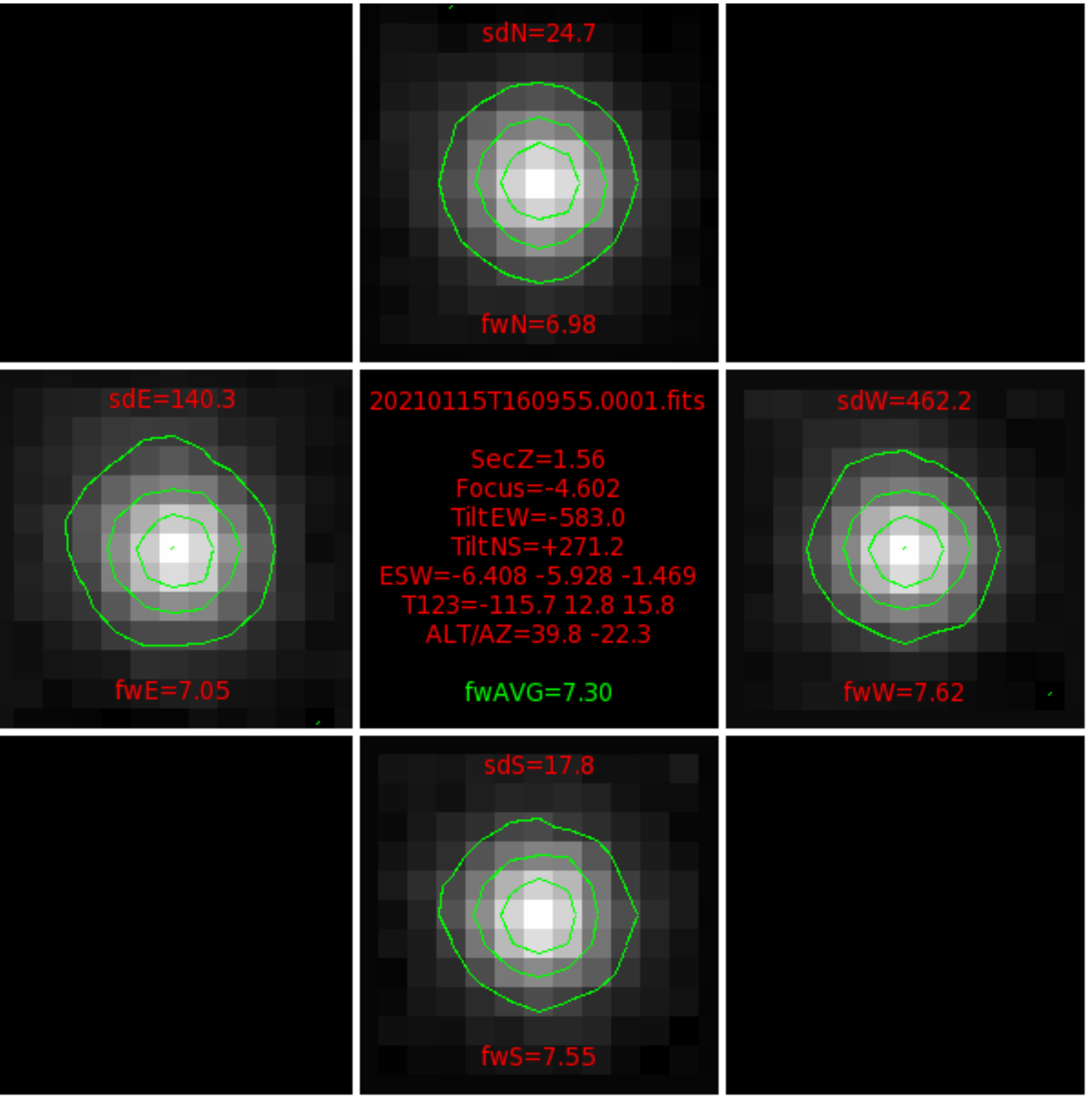
sdN=24.7
fwN=6.98
sdE=140.3
fwE=7.05
20210115T160955.0001.fits
SecZ=1.56
Focus=-4.602
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.408 -5.928 -1.469
T123=-115.7 12.8 15.8
ALT/AZ=39.8 -22.3
fwAVG=7.30
sdW=462.2
fwW=7.62
sdS=17.8
fwS=7.55
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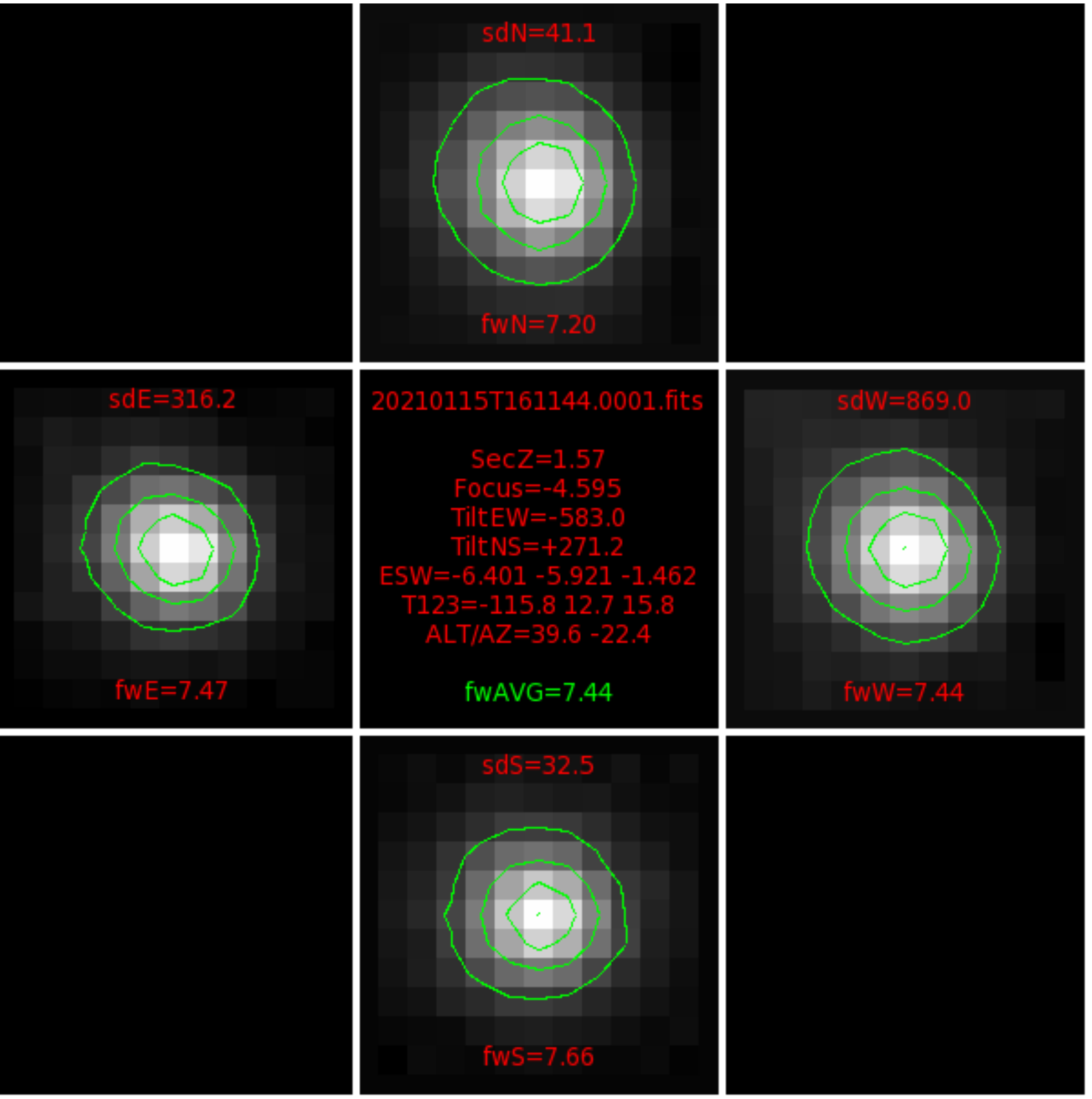
sdN=41.1
fwN=7.20
sdE=316.2
fwE=7.47
20210115T161144.0001.fits
SecZ=1.57
Focus=-4.595
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.401 -5.921 -1.462
T123=-115.8 12.7 15.8
ALT/AZ=39.6 -22.4
fwAVG=7.44
sdW=869.0
fwW=7.44
sdS=32.5
fwS=7.66
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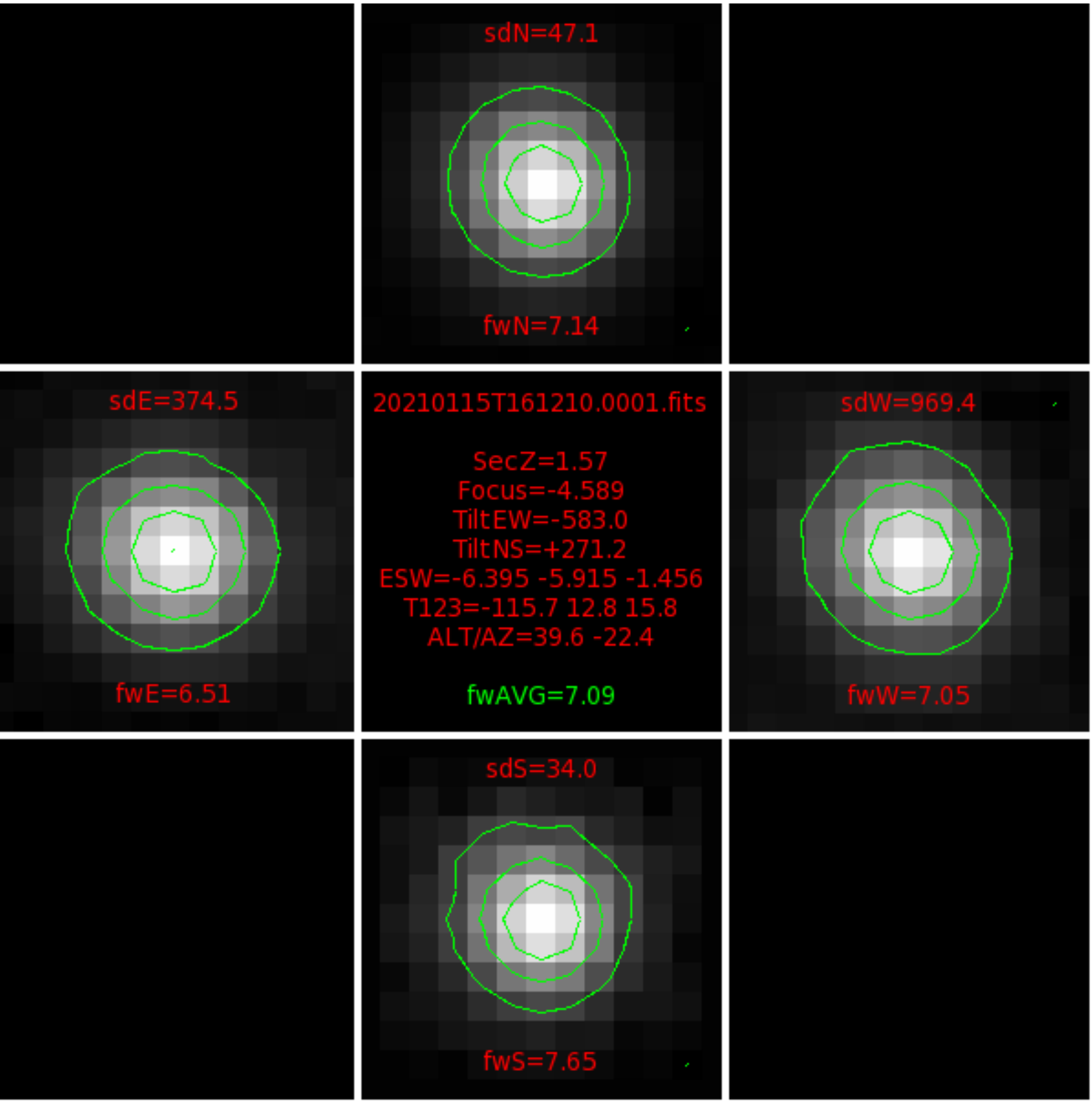
sdN=47.1
fwN=7.14
sdE=374.5
fwE=6.51
20210115T161210.0001.fits
SecZ=1.57
Focus=-4.589
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.395 -5.915 -1.456
T123=-115.7 12.8 15.8
ALT/AZ=39.6 -22.4
fwAVG=7.09
sdW=969.4
fwW=7.05
sdS=34.0
fwS=7.65
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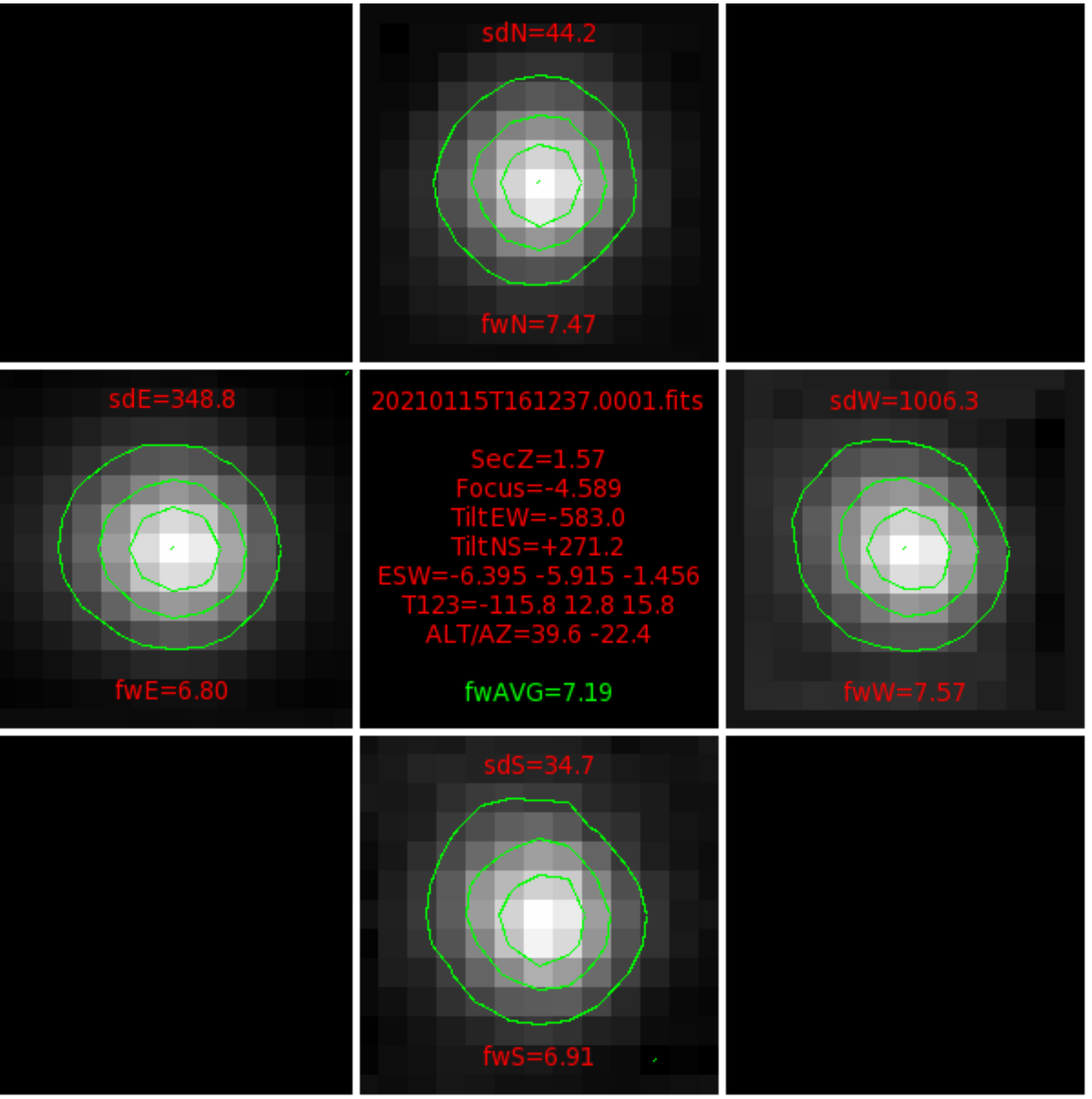
sdN=44.2
fwN=7.47
sdE=348.8
fwE=6.80
20210115T161237.0001.fits
SecZ=1.57
Focus=-4.589
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.395 -5.915 -1.456
T123=-115.8 12.8 15.8
ALT/AZ=39.6 -22.4
fwAVG=7.19
sdW=1006.3
fwW=7.57
sdS=34.7
fwS=6.91
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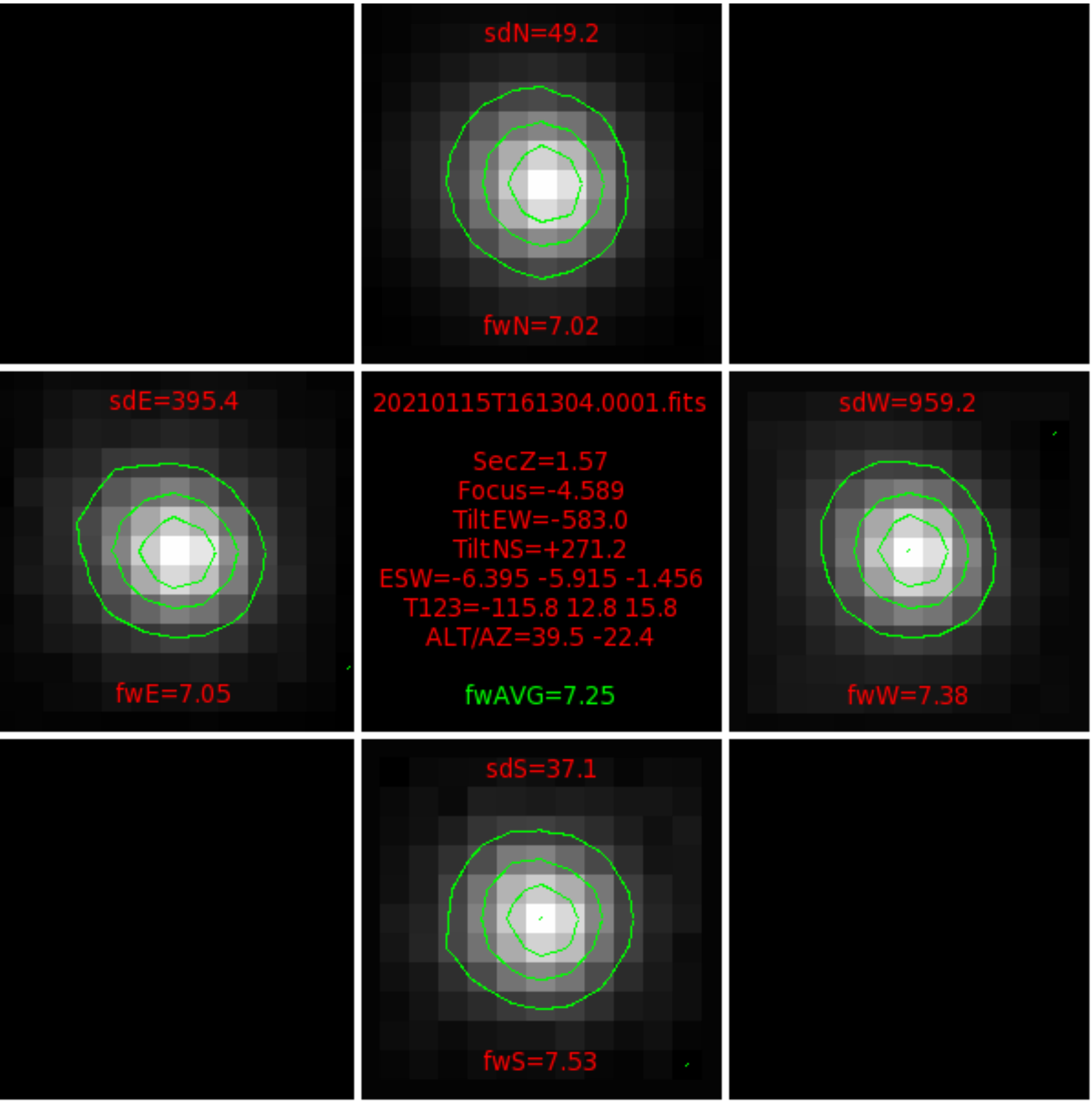
sdN=49.2
fwN=7.02
sdE=395.4
fwE=7.05
20210115T161304.0001.fits
SecZ=1.57
Focus=-4.589
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.395 -5.915 -1.456
T123=-115.8 12.8 15.8
ALT/AZ=39.5 -22.4
fwAVG=7.25
sdW=959.2
fwW=7.38
sdS=37.1
fwS=7.53
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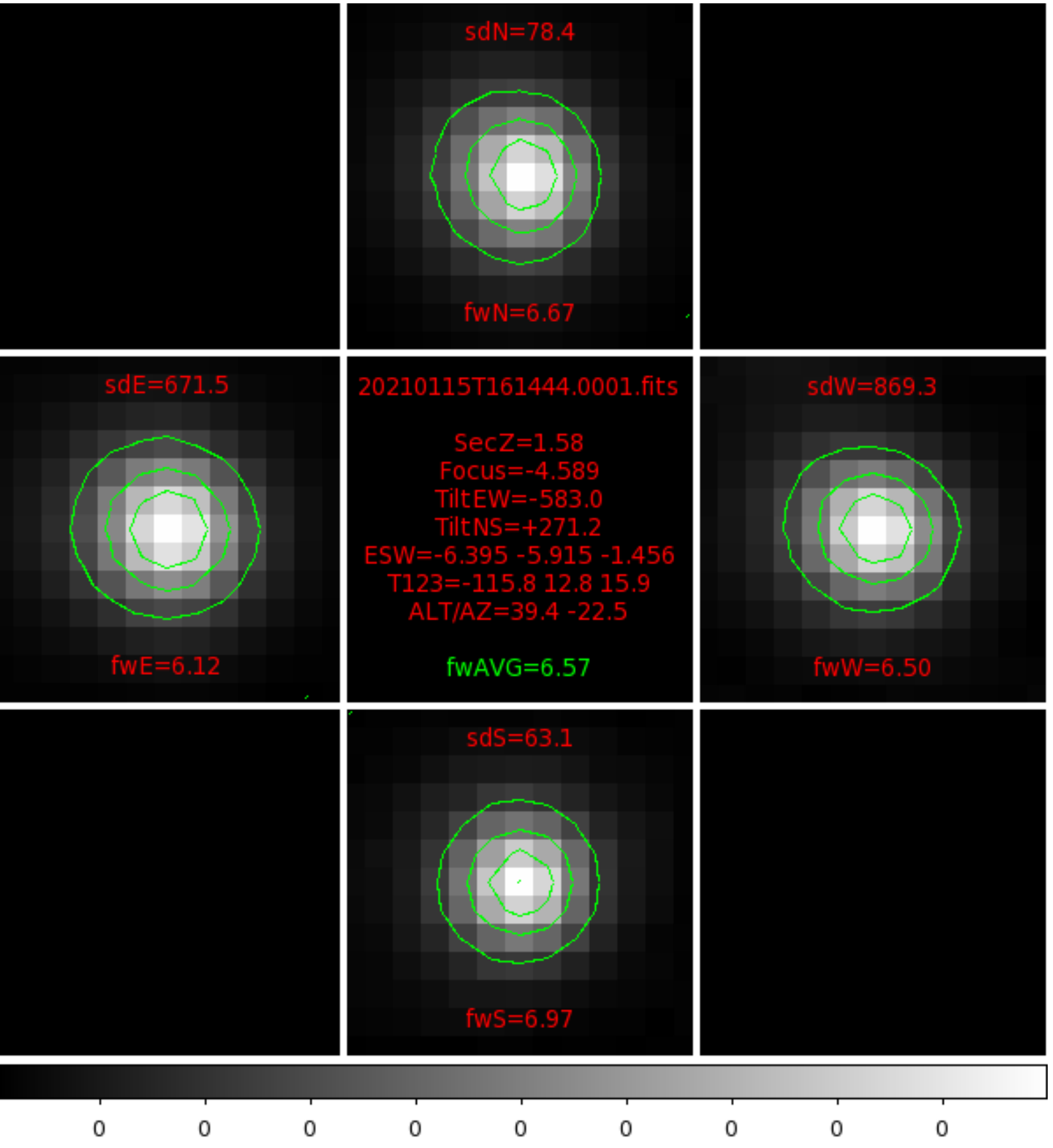
sdN=78.4
fwN=6.67
sdE=671.5
fwE=6.12
20210115T161444.0001.fits
SecZ=1.58
Focus=-4.589
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.395 -5.915 -1.456
T123=-115.8 12.8 15.9
ALT/AZ=39.4 -22.5
fwAVG=6.57
sdW=869.3
fwW=6.50
sdS=63.1
fwS=6.97
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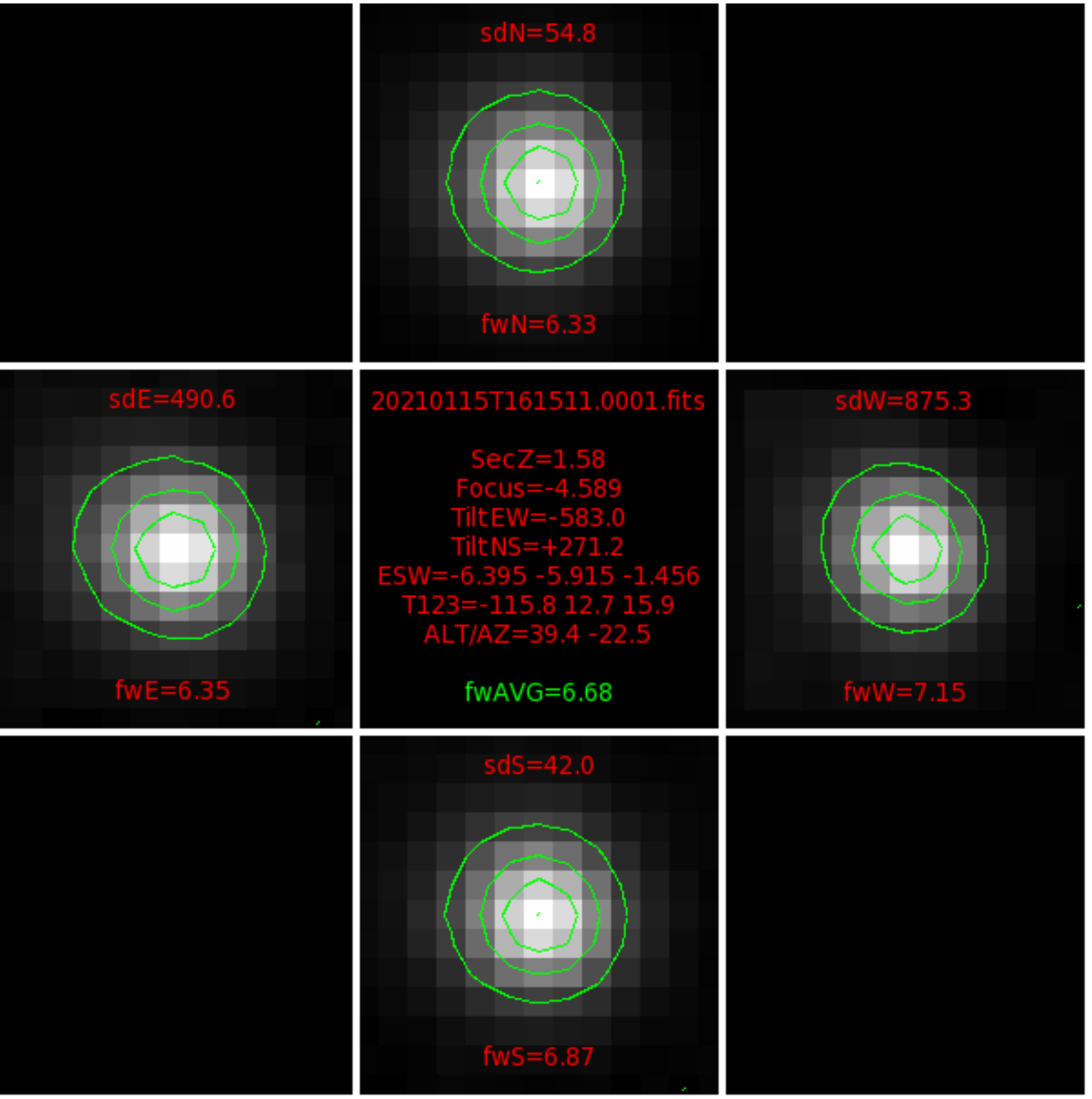
sdN=54.8
fwN=6.33
sdE=490.6
fwE=6.35
20210115T161511.0001.fits
SecZ=1.58
Focus=-4.589
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.395 -5.915 -1.456
T123=-115.8 12.7 15.9
ALT/AZ=39.4 -22.5
fwAVG=6.68
sdW=875.3
fwW=7.15
sdS=42.0
fwS=6.87
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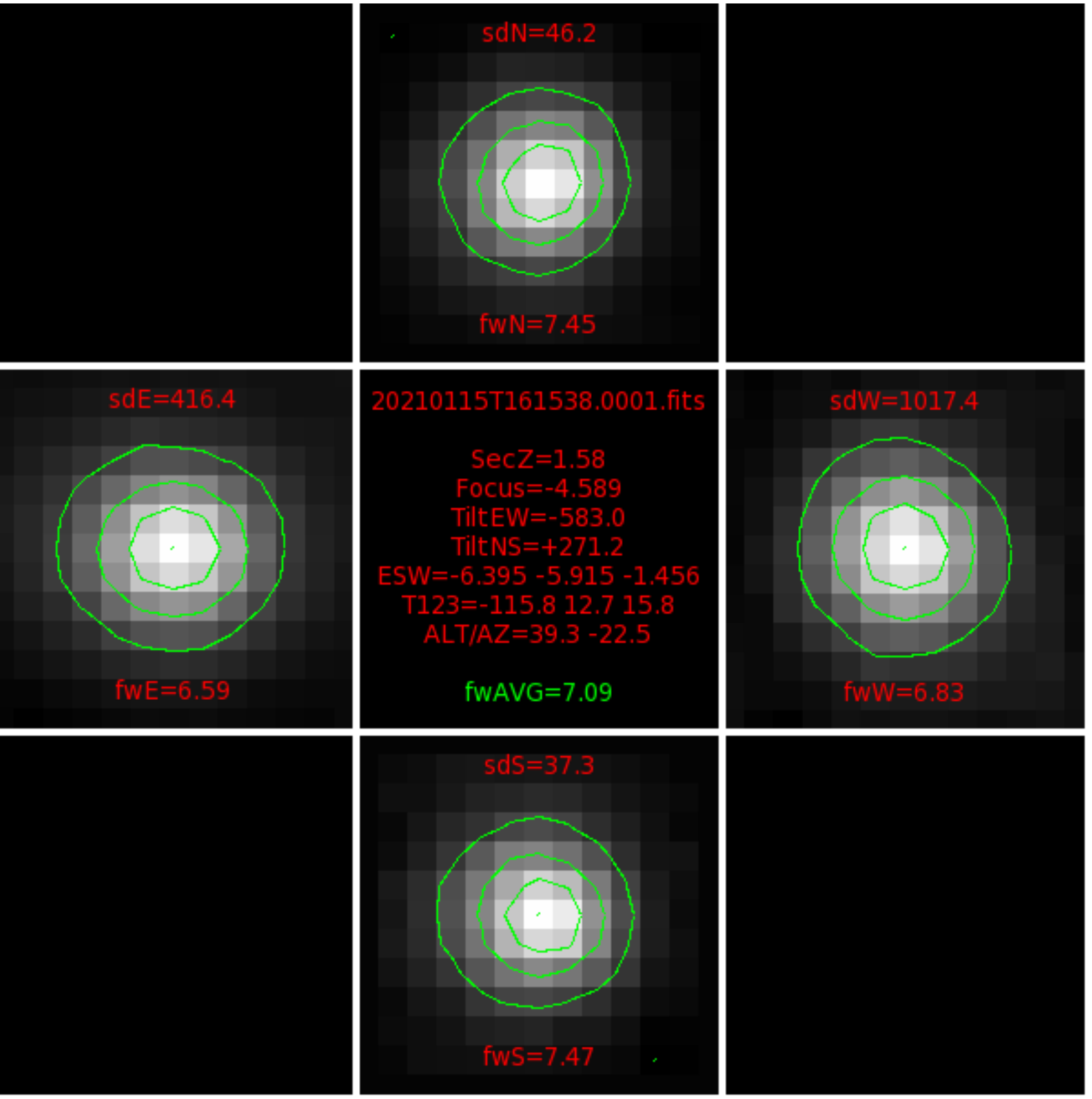
sdN=46.2
fwN=7.45
sdE=416.4
fwE=6.59
20210115T161538.0001.fits
SecZ=1.58
Focus=-4.589
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.395 -5.915 -1.456
T123=-115.8 12.7 15.8
ALT/AZ=39.3 -22.5
fwAVG=7.09
sdW=1017.4
fwW=6.83
sdS=37.3
fwS=7.47
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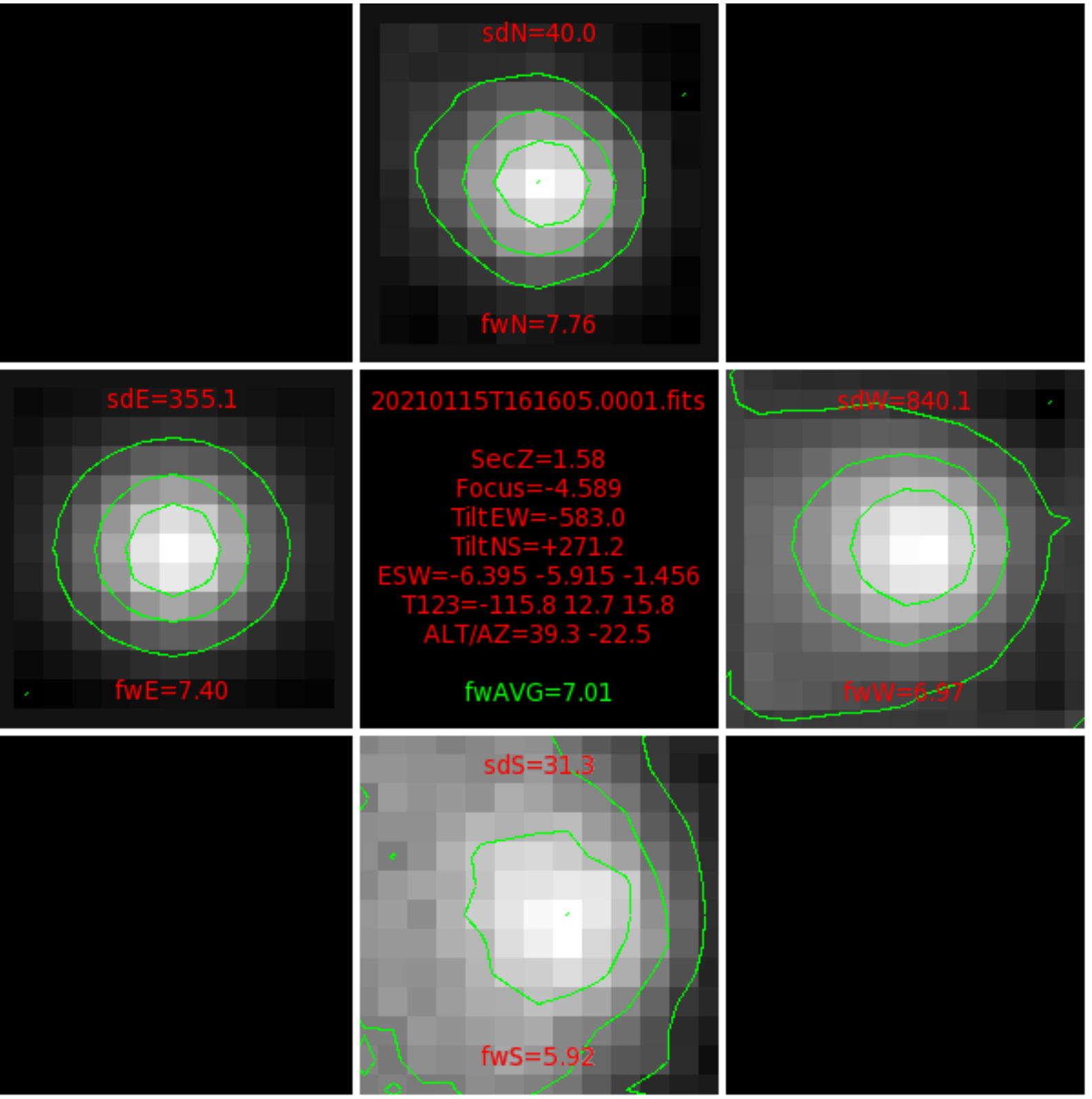
sdN=40.0
fwN=7.76
sdE=355.1
fwE=7.40
20210115T161605.0001.fits
SecZ=1.58
Focus=-4.589
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.395 -5.915 -1.456
T123=-115.8 12.7 15.8
ALT/AZ=39.3 -22.5
fwAVG=7.01
sdW=840.1
fwW=6.97
sdS=31.3
fwS=5.92
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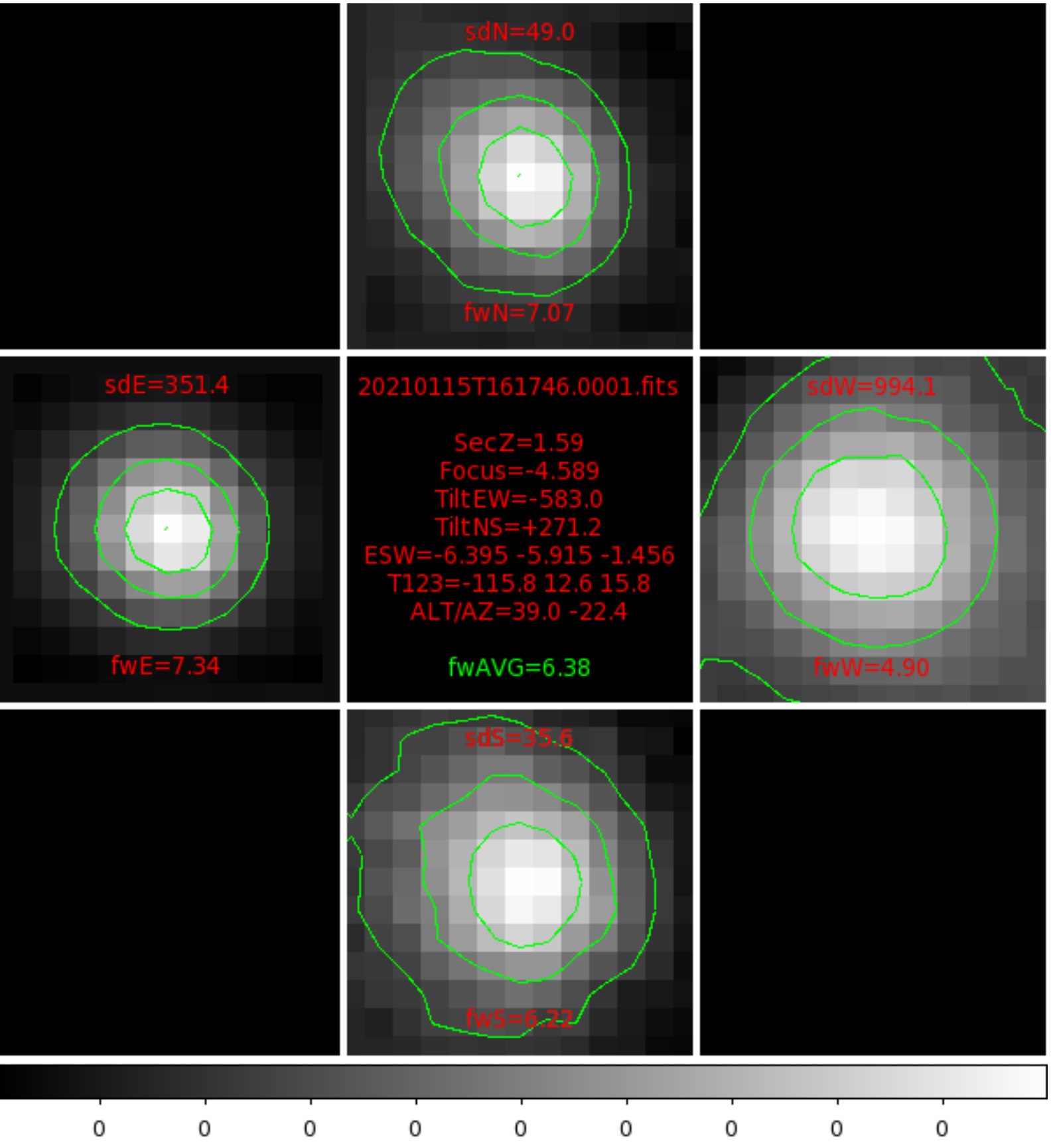
sdN=49.0
fwN=7.07
sdE=351.4
fwE=7.34
20210115T161746.0001.fits
SecZ=1.59
Focus=-4.589
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.395 -5.915 -1.456
T123=-115.8 12.6 15.8
ALT/AZ=39.0 -22.4
fwAVG=6.38
sdW=994.1
fwW=4.90
sdS=35.6
fwS=6.22
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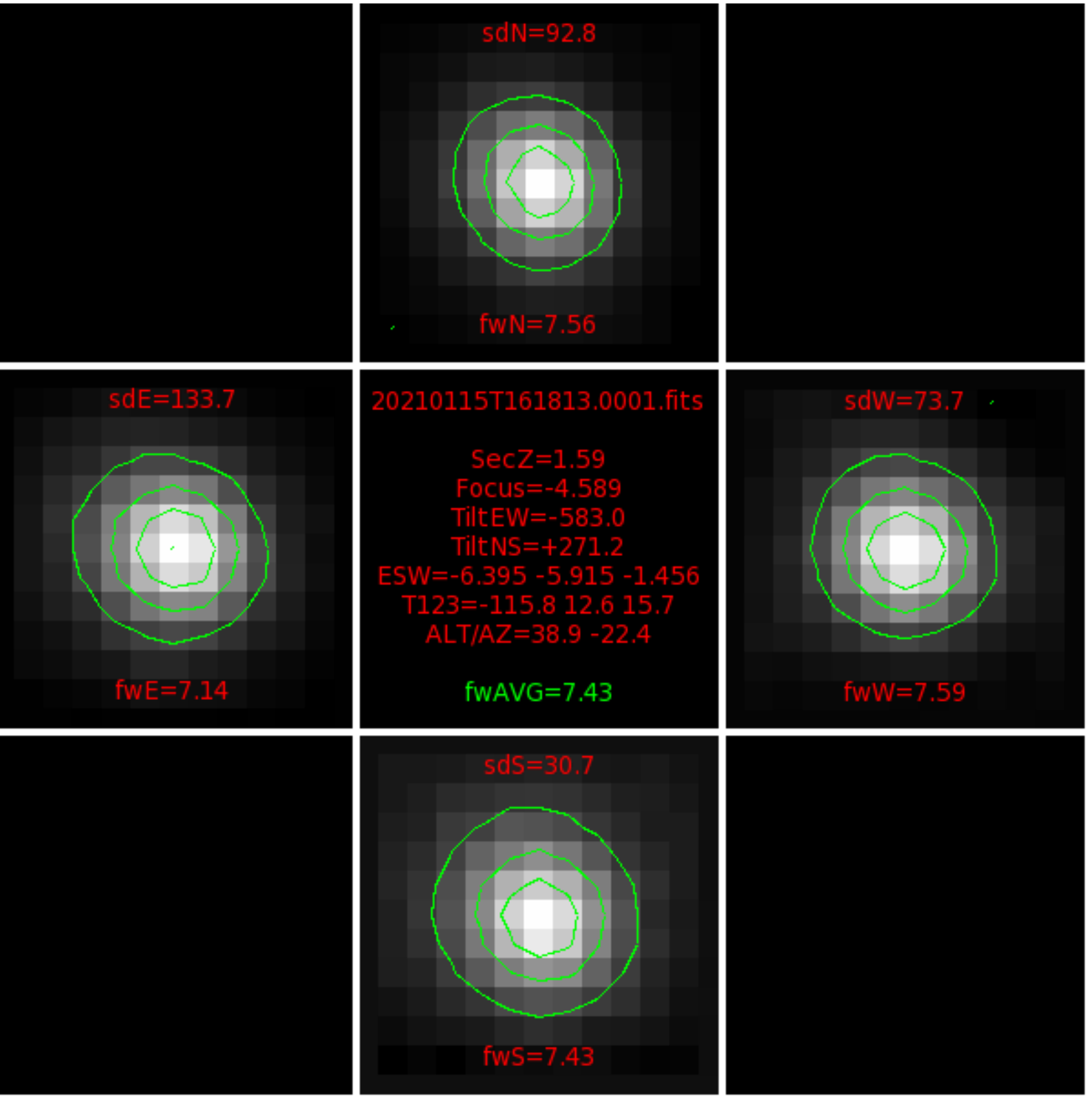
sdN=92.8
fwN=7.56
sdE=133.7
fwE=7.14
20210115T161813.0001.fits
SecZ=1.59
Focus=-4.589
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.395 -5.915 -1.456
T123=-115.8 12.6 15.7
ALT/AZ=38.9 -22.4
fwAVG=7.43
sdW=73.7
fwW=7.59
sdS=30.7
fwS=7.43
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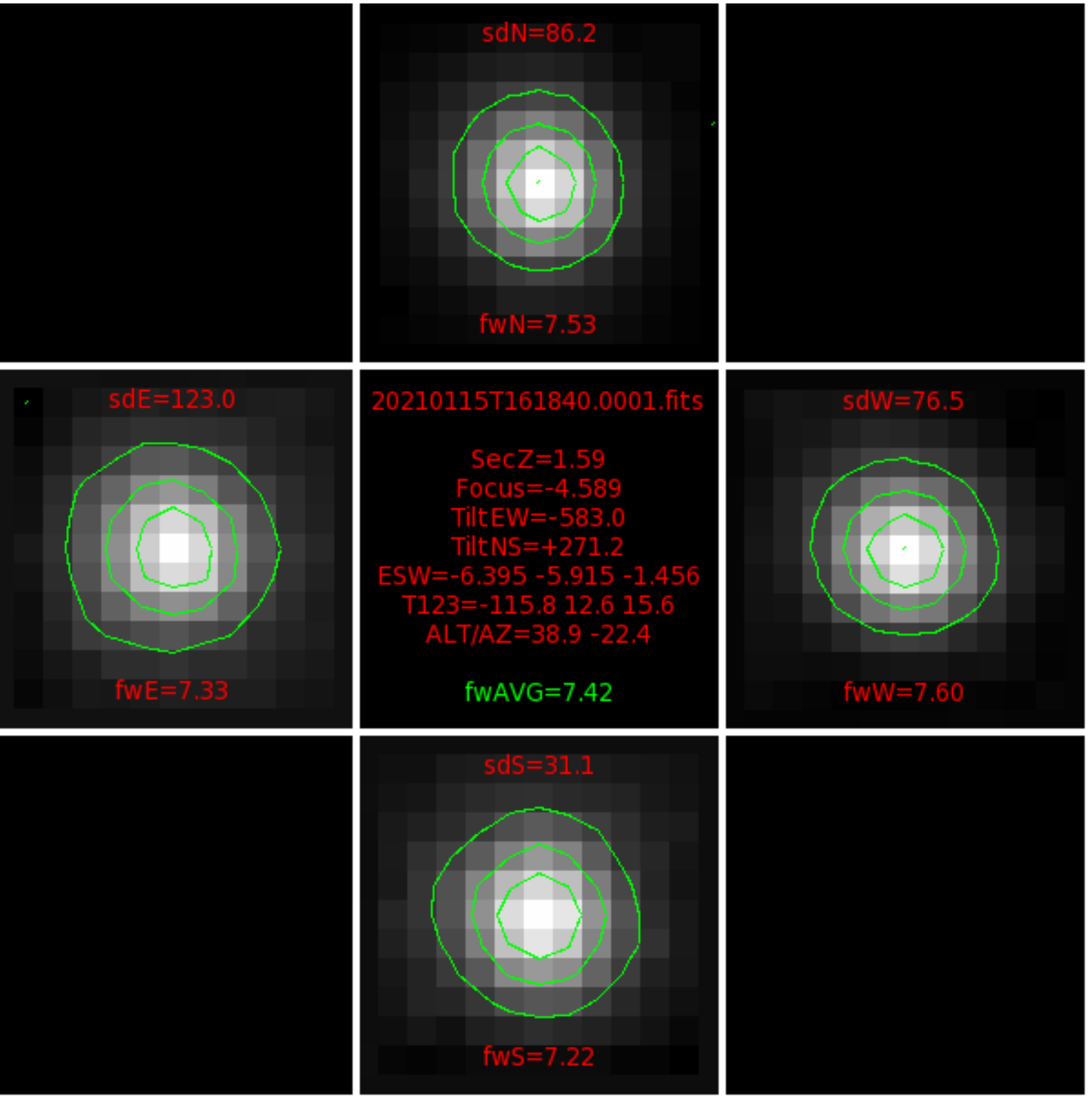
sdN=86.2
fwN=7.53
sdE=123.0
fwE=7.33
20210115T161840.0001.fits
SecZ=1.59
Focus=-4.589
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.395 -5.915 -1.456
T123=-115.8 12.6 15.6
ALT/AZ=38.9 -22.4
fwAVG=7.42
sdW=76.5
fwW=7.60
sdS=31.1
fwS=7.22
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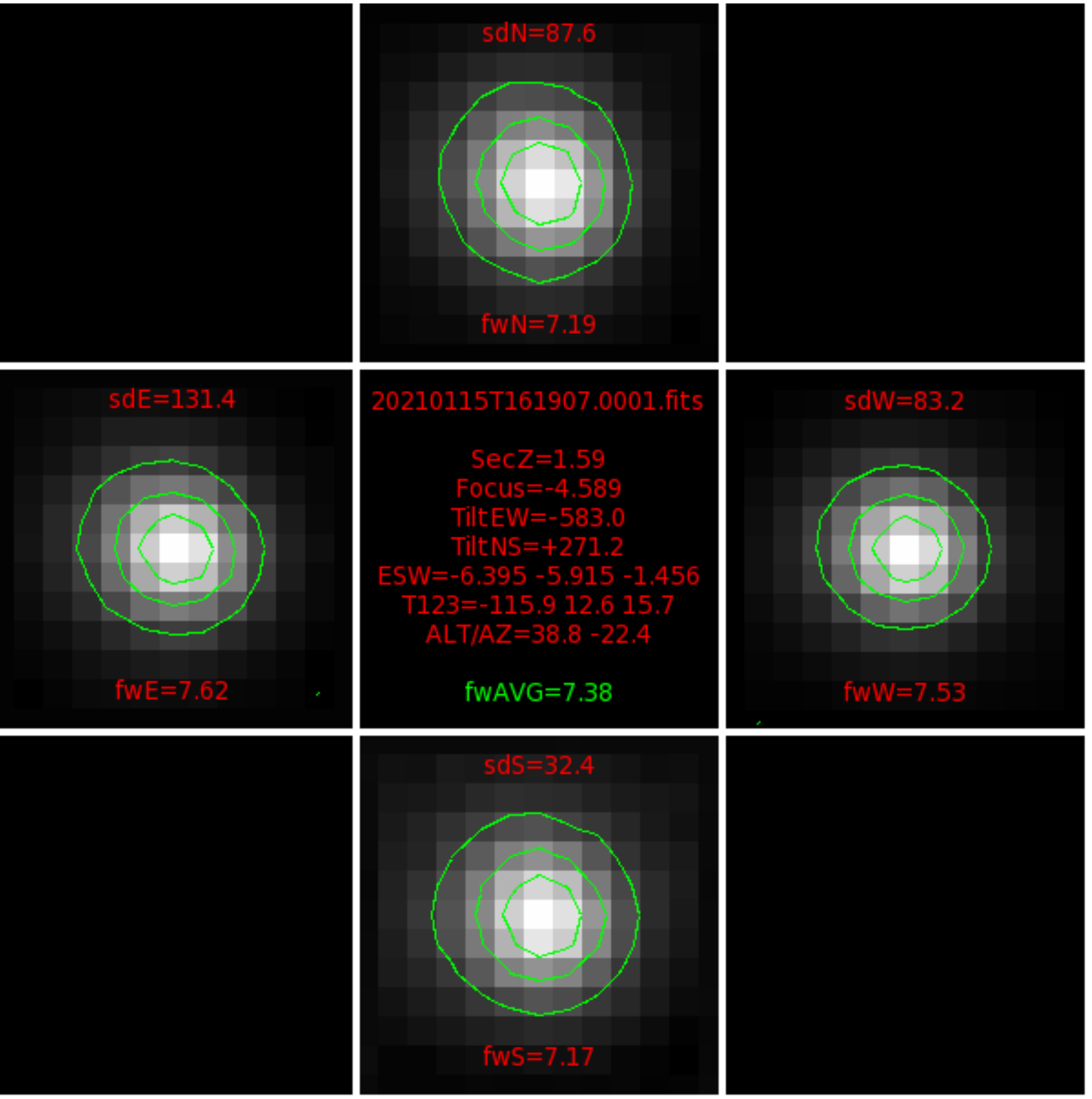
sdN=87.6
fwN=7.19
sdE=131.4
fwE=7.62
20210115T161907.0001.fits
SecZ=1.59
Focus=-4.589
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.395 -5.915 -1.456
T123=-115.9 12.6 15.7
ALT/AZ=38.8 -22.4
fwAVG=7.38
sdW=83.2
fwW=7.53
sdS=32.4
fwS=7.17
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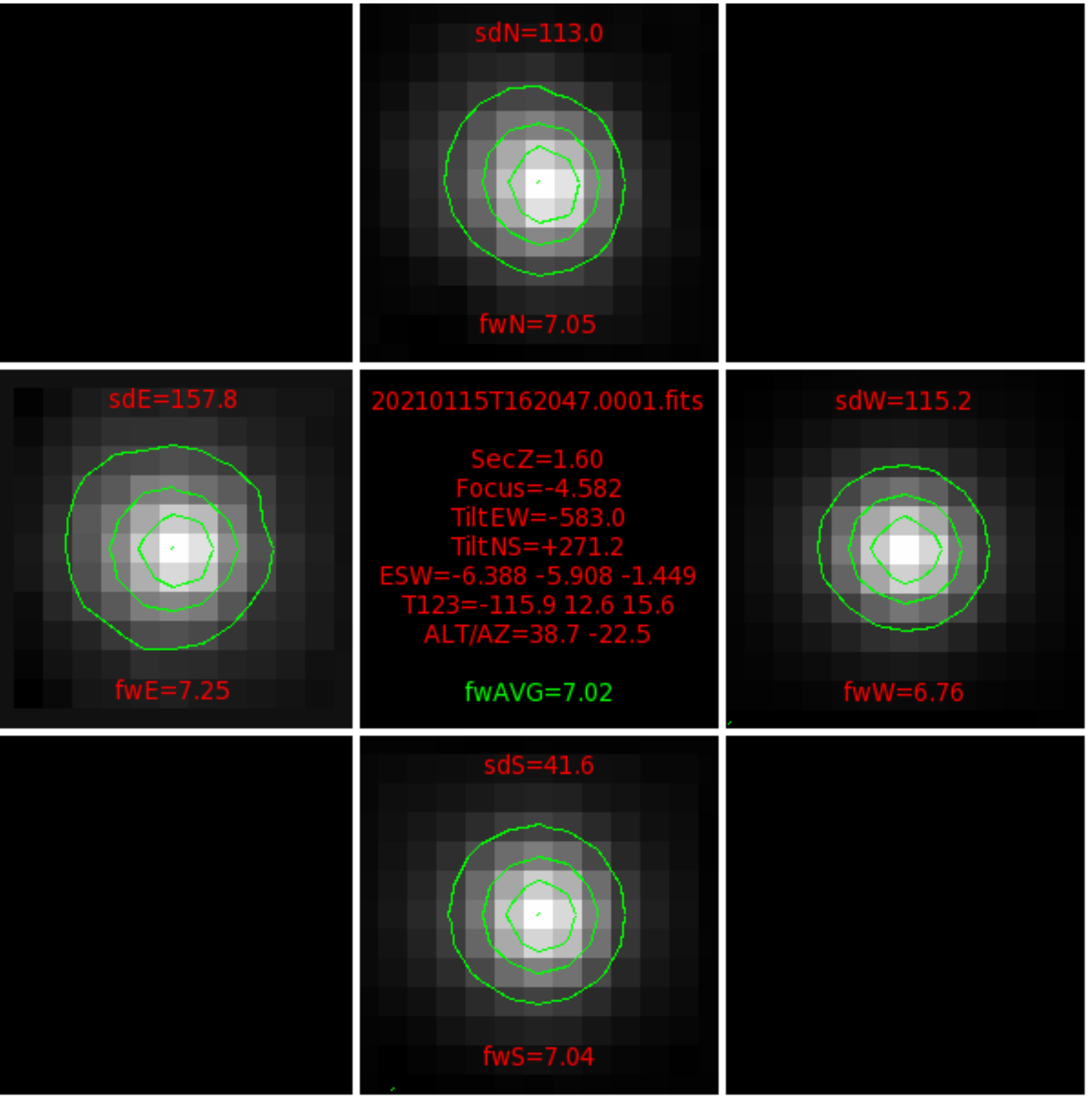
sdN=113.0
fwN=7.05
sdE=157.8
fwE=7.25
20210115T162047.0001.fits
SecZ=1.60
Focus=-4.582
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.388 -5.908 -1.449
T123=-115.9 12.6 15.6
ALT/AZ=38.7 -22.5
fwAVG=7.02
sdW=115.2
fwW=6.76
sdS=41.6
fwS=7.04
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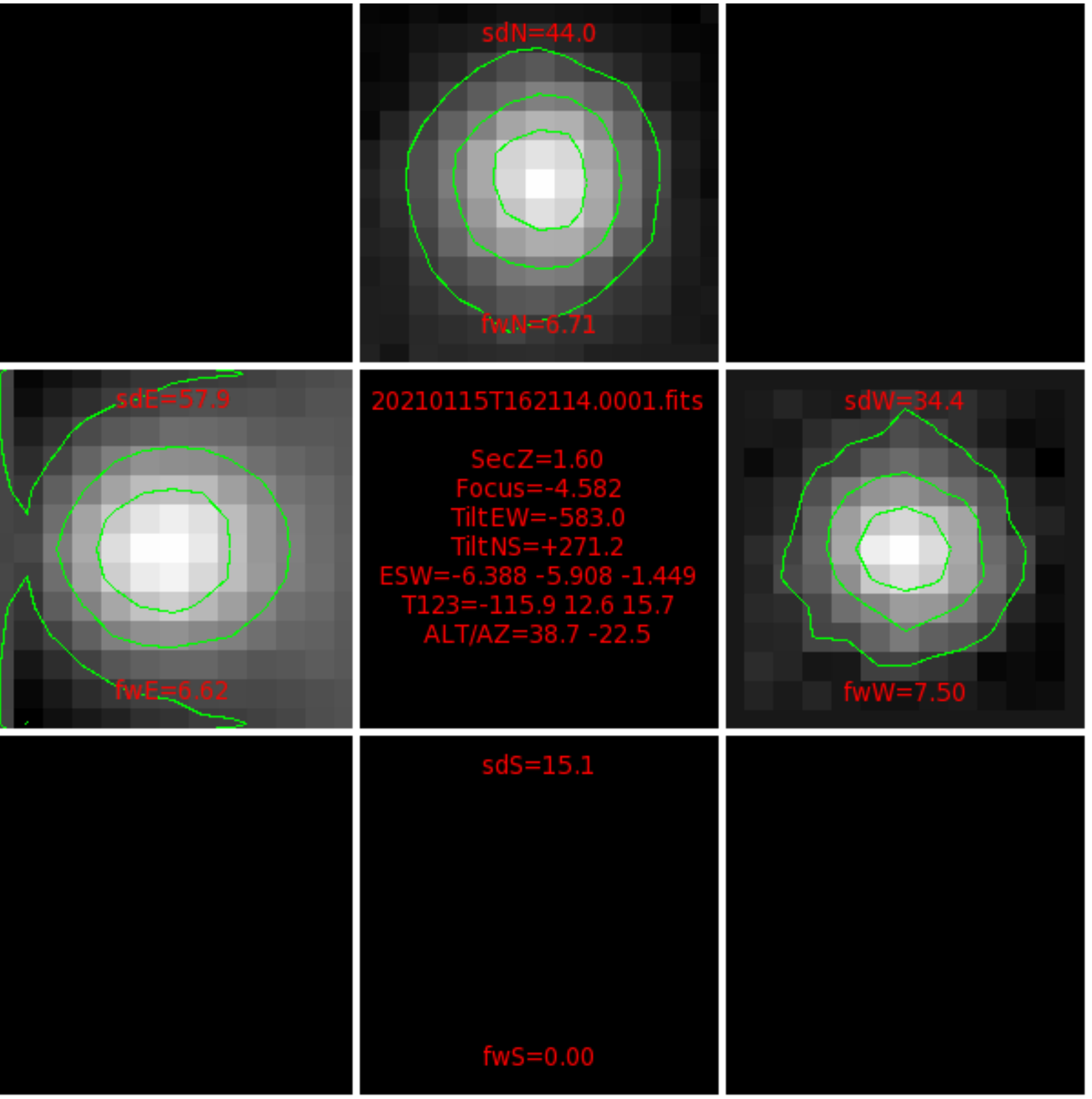
sdN=44.0
fwN=6.71
sdE=57.9
fwE=6.62
20210115T162114.0001.fits
SecZ=1.60
Focus=-4.582
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.388 -5.908 -1.449
T123=-115.9 12.6 15.7
ALT/AZ=38.7 -22.5
sdW=34.4
fwW=7.50
sdS=15.1
fwS=0.00
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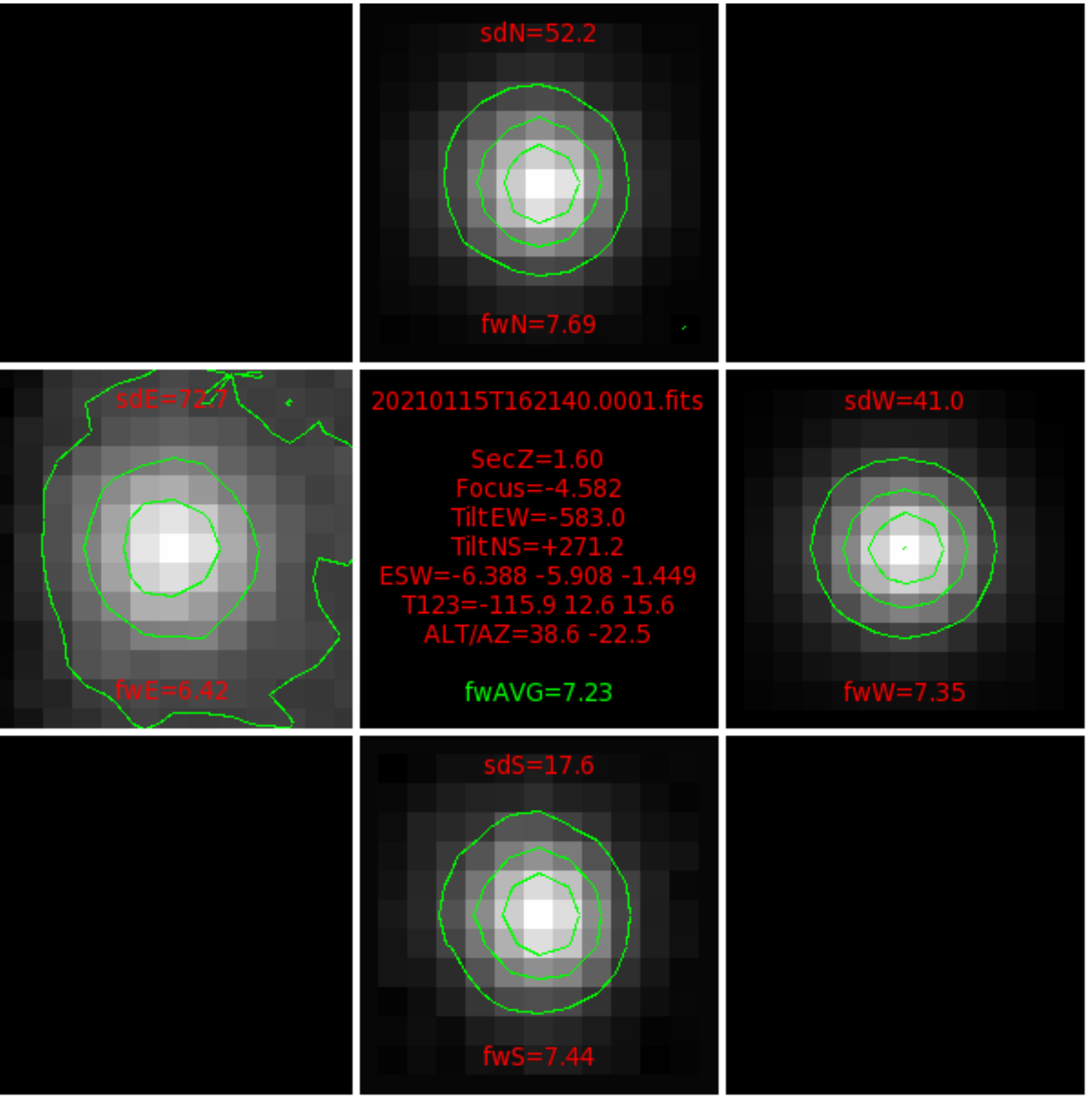
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fwN=7.69
sdE=72.7
fwE=6.42
20210115T162140.0001.fits
SecZ=1.60
Focus=-4.582
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.388 -5.908 -1.449
T123=-115.9 12.6 15.6
ALT/AZ=38.6 -22.5
fwAVG=7.23
sdW=41.0
fwW=7.35
sdS=17.6
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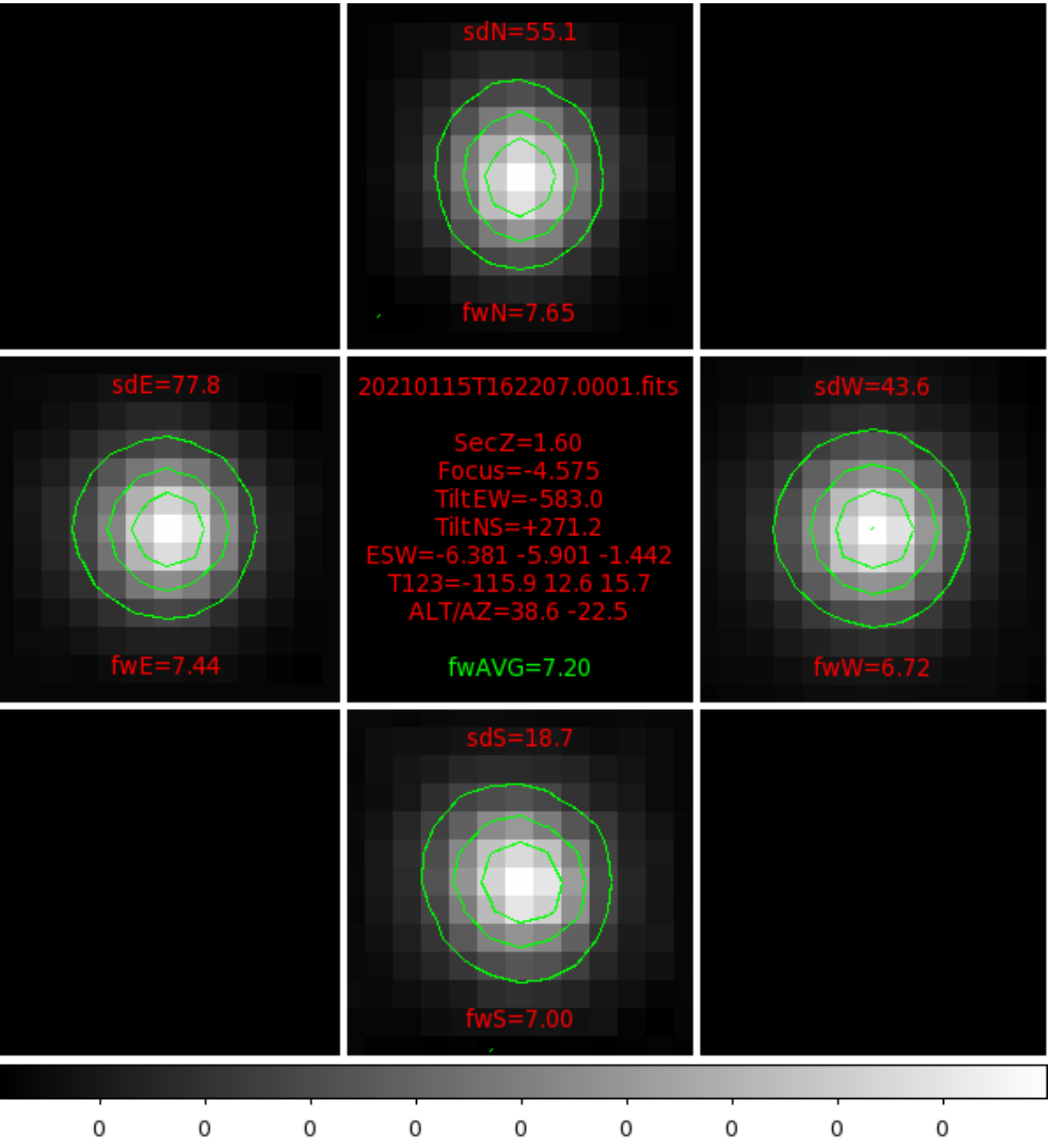
sdN=55.1
fwN=7.65
sdE=77.8
fwE=7.44
20210115T162207.0001.fits
SecZ=1.60
Focus=-4.575
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.381 -5.901 -1.442
T123=-115.9 12.6 15.7
ALT/AZ=38.6 -22.5
fwAVG=7.20
sdW=43.6
fwW=6.72
sdS=18.7
fwS=7.00
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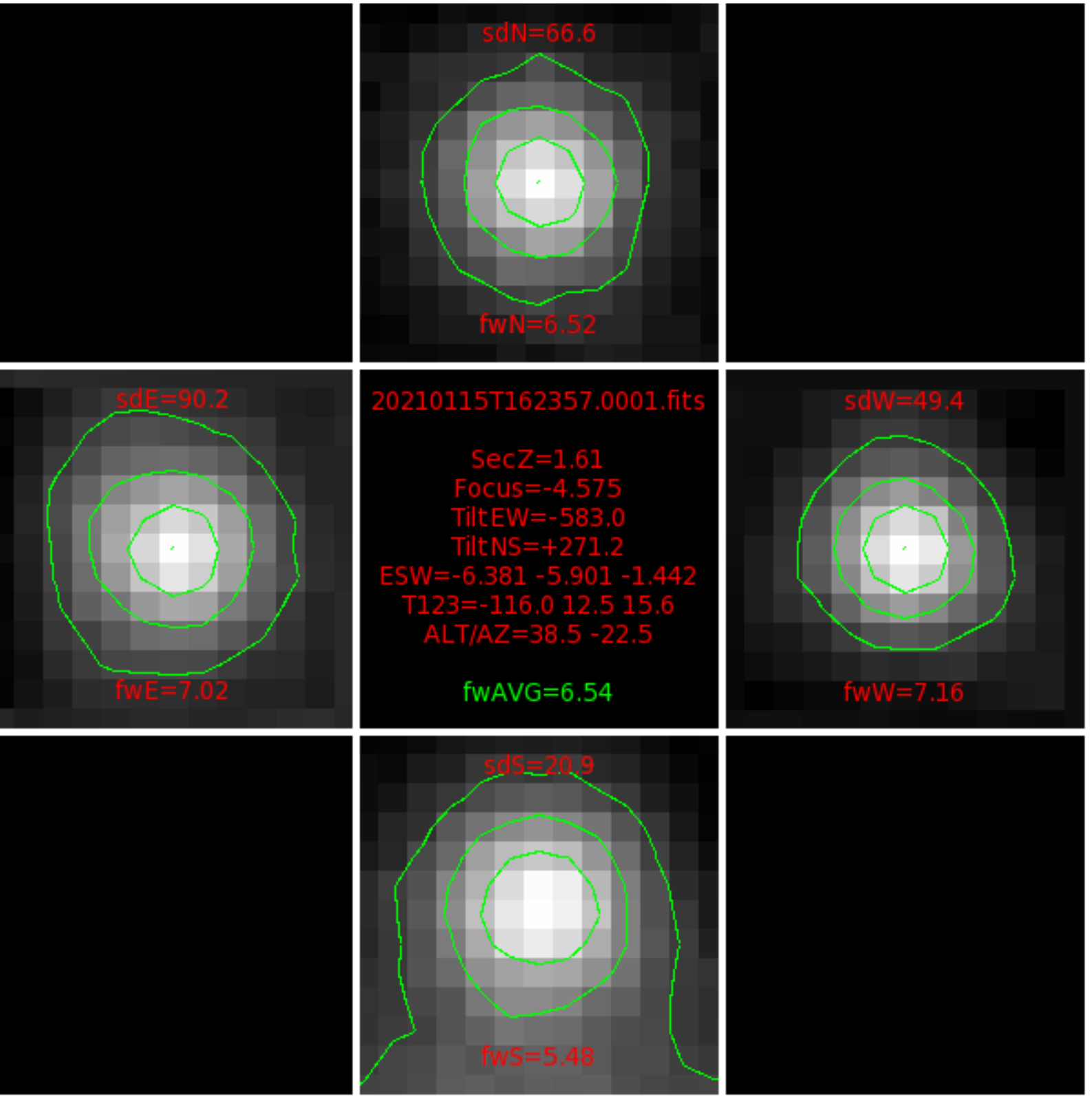
sdN=66.6
fwN=6.52
sdE=90.2
fwE=7.02
20210115T162357.0001.fits
SecZ=1.61
Focus=-4.575
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.381 -5.901 -1.442
T123=-116.0 12.5 15.6
ALT/AZ=38.5 -22.5
fwAVG=6.54
sdW=49.4
fwW=7.16
sdS=20.9
fwS=5.48
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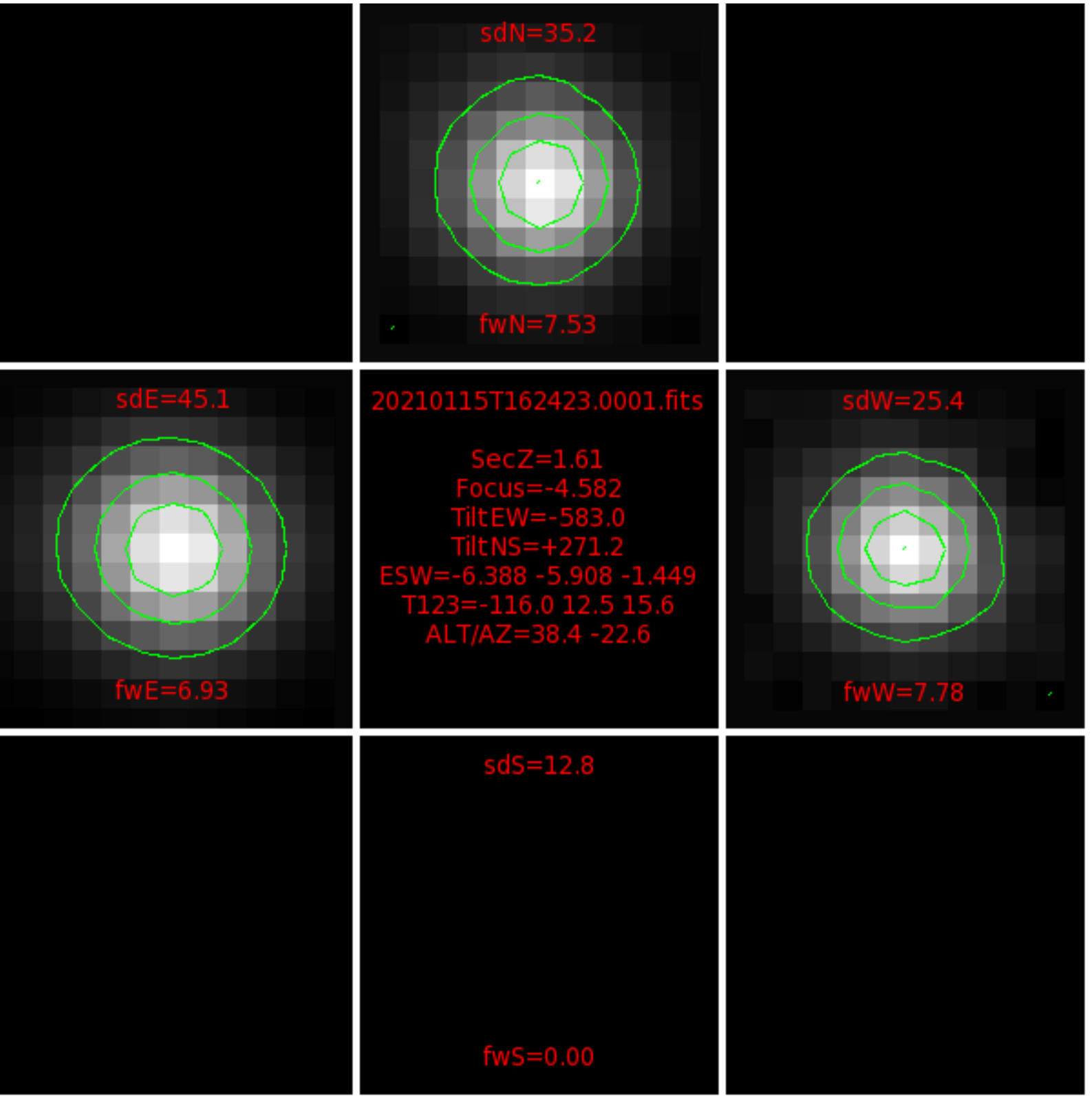
sdN=35.2
fwN=7.53
sdE=45.1
fwE=6.93
20210115T162423.0001.fits
SecZ=1.61
Focus=-4.582
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.388 -5.908 -1.449
T123=-116.0 12.5 15.6
ALT/AZ=38.4 -22.6
sdW=25.4
fwW=7.78
sdS=12.8
fwS=0.00
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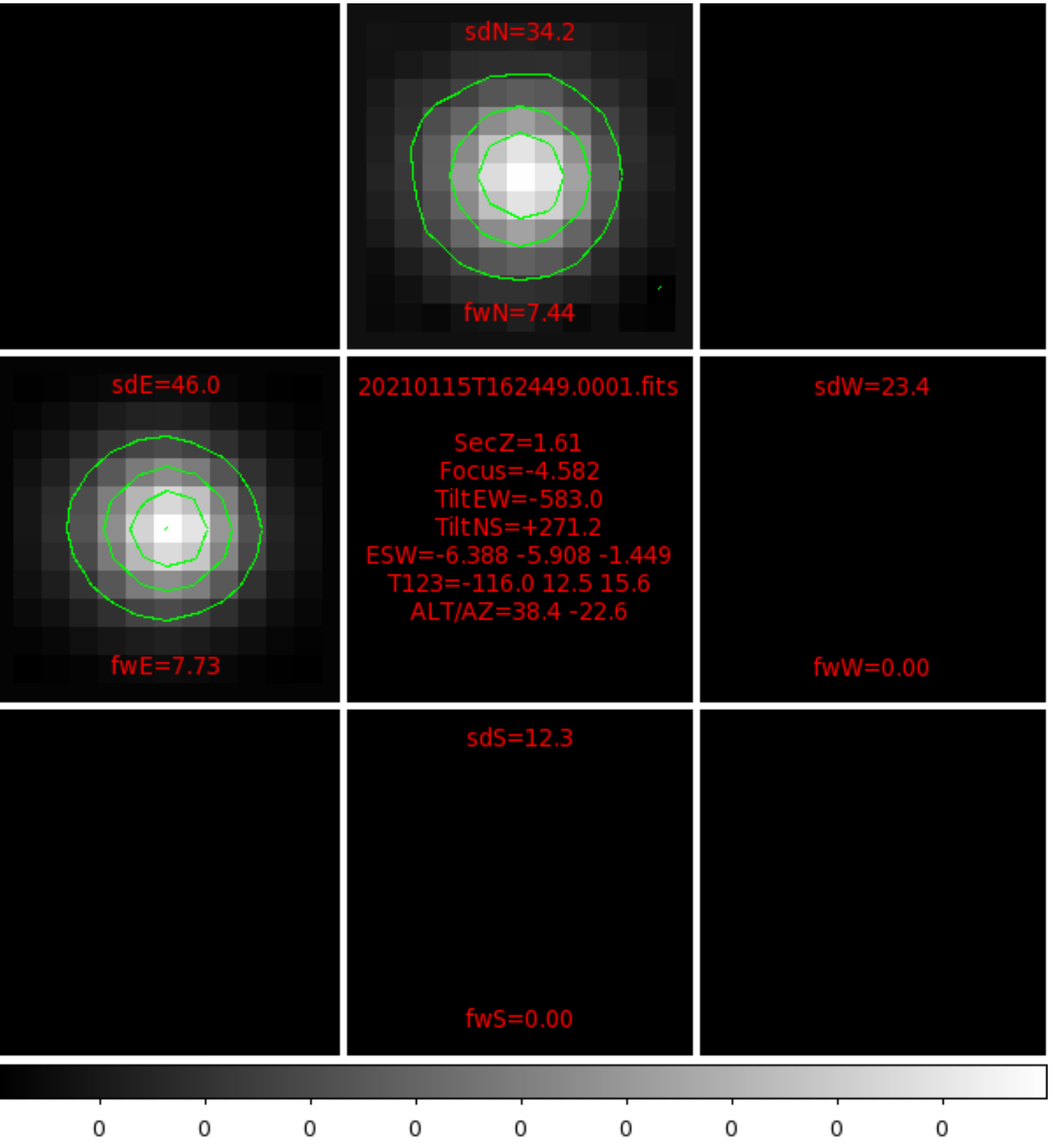
sdN=34.2
fwN=7.44
sdE=46.0
fwE=7.73
20210115T162449.0001.fits
SecZ=1.61
Focus=-4.582
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.388 -5.908 -1.449
T123=-116.0 12.5 15.6
ALT/AZ=38.4 -22.6
sdW=23.4
fwW=0.00
sdS=12.3
fwS=0.00
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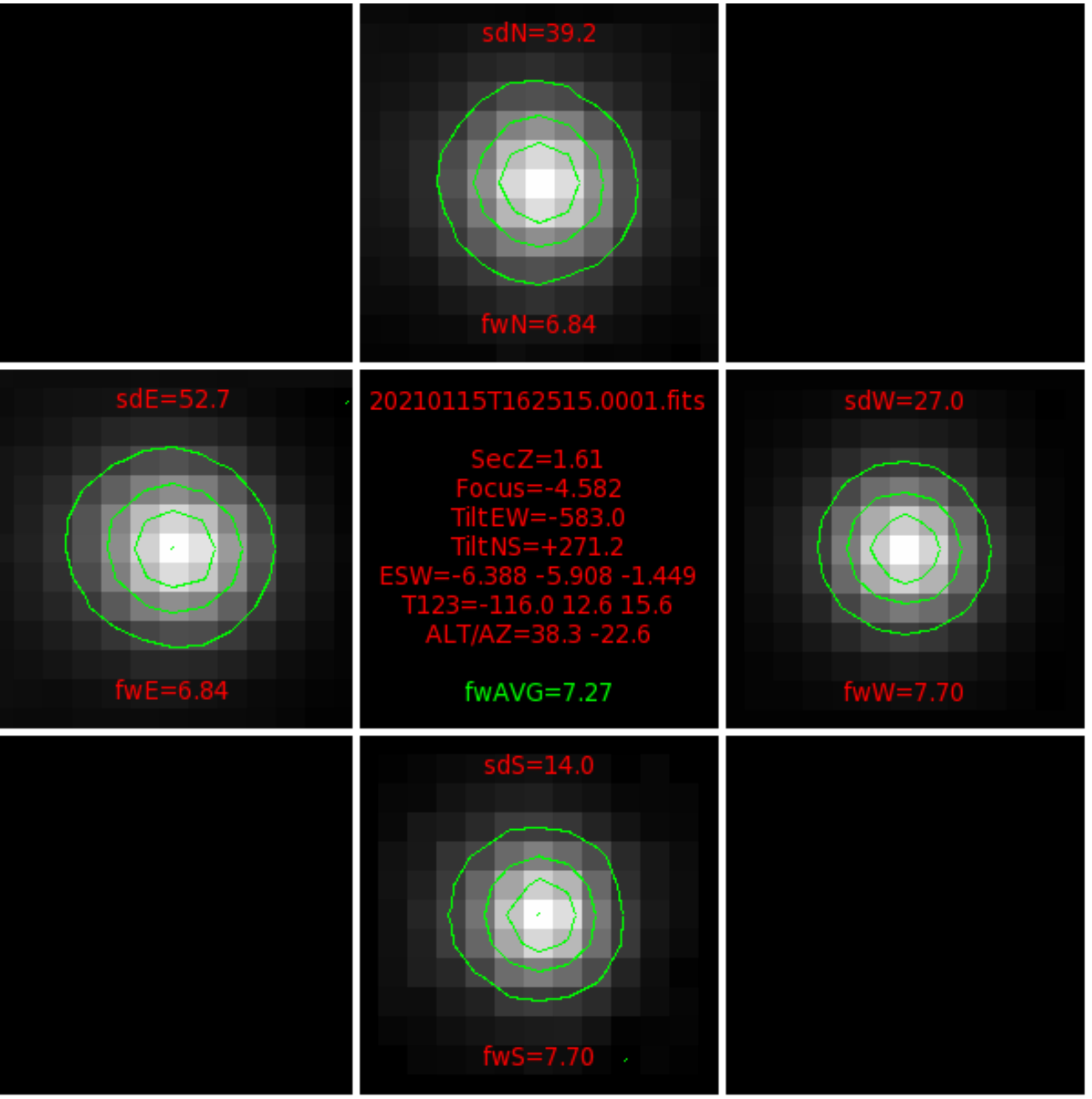
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fwN=6.84
sdE=52.7
fwE=6.84
20210115T162515.0001.fits
SecZ=1.61
Focus=-4.582
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.388 -5.908 -1.449
T123=-116.0 12.6 15.6
ALT/AZ=38.3 -22.6
fwAVG=7.27
sdW=27.0
fwW=7.70
sdS=14.0
fwS=7.70
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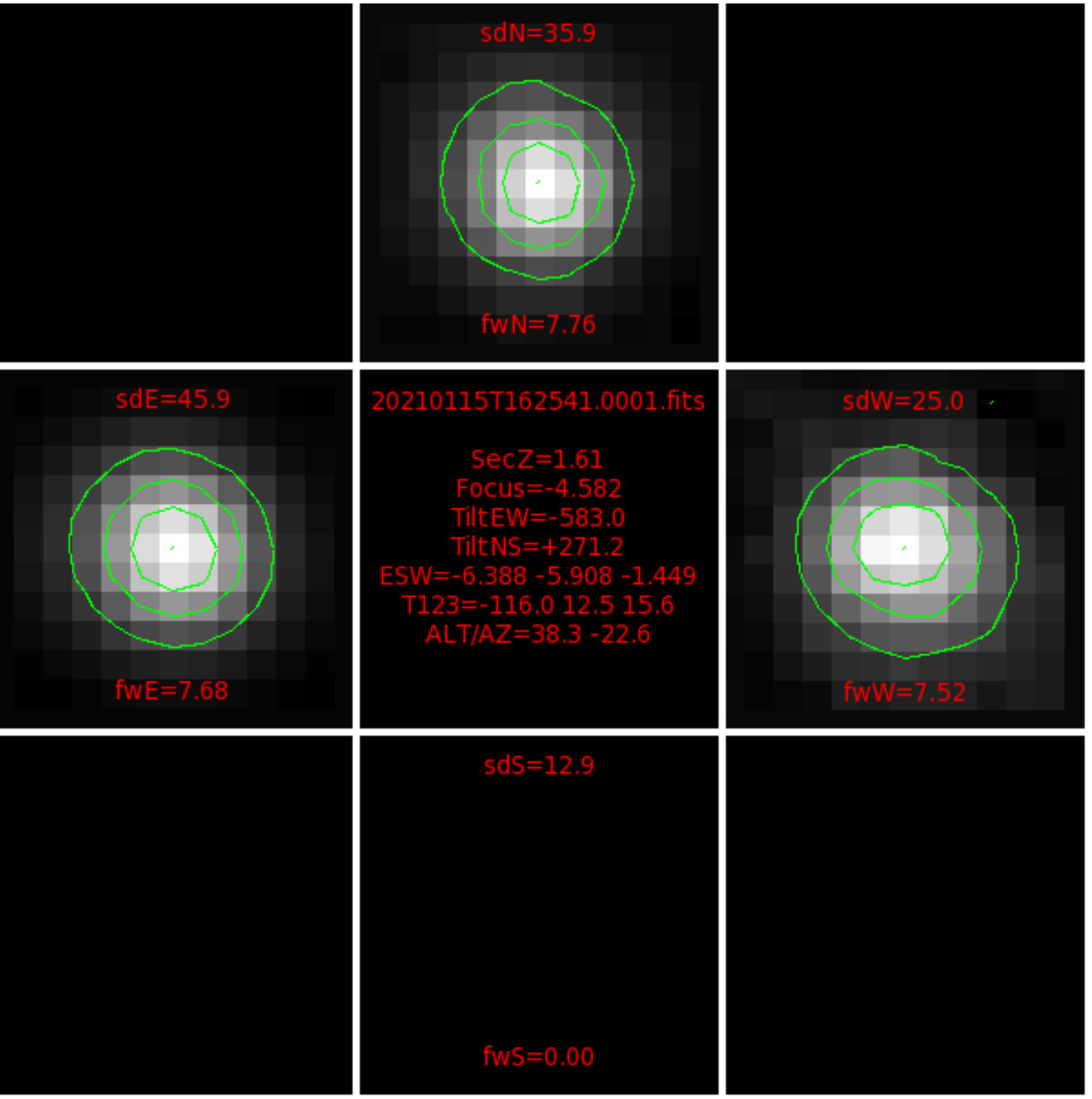
sdN=35.9
fwN=7.76
sdE=45.9
fwE=7.68
20210115T162541.0001.fits
SecZ=1.61
Focus=-4.582
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.388 -5.908 -1.449
T123=-116.0 12.5 15.6
ALT/AZ=38.3 -22.6
sdW=25.0
fwW=7.52
sdS=12.9
fwS=0.00
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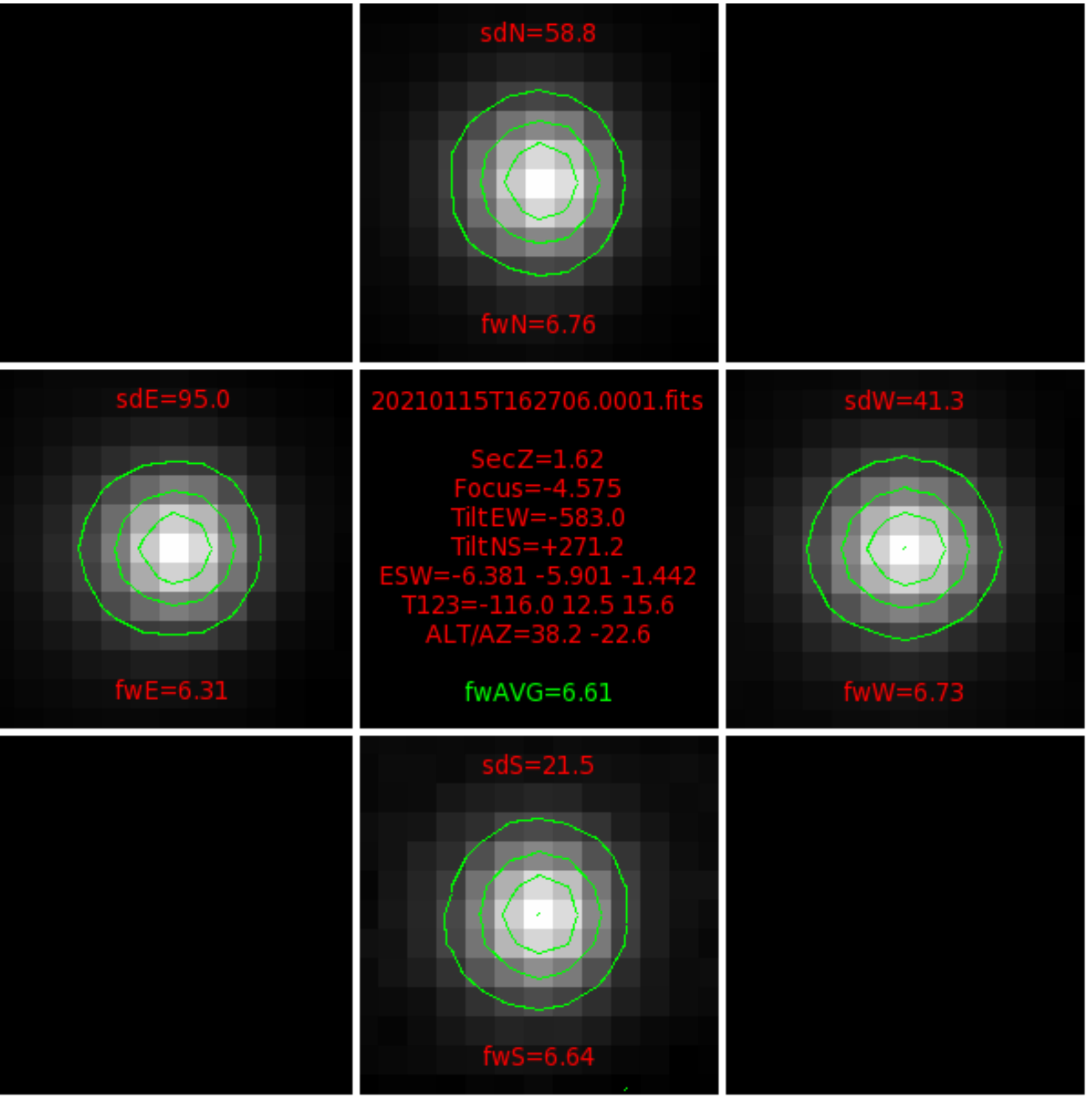
sdN=58.8
fwN=6.76
sdE=95.0
fwE=6.31
20210115T162706.0001.fits
SecZ=1.62
Focus=-4.575
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.381 -5.901 -1.442
T123=-116.0 12.5 15.6
ALT/AZ=38.2 -22.6
fwAVG=6.61
sdW=41.3
fwW=6.73
sdS=21.5
fwS=6.64
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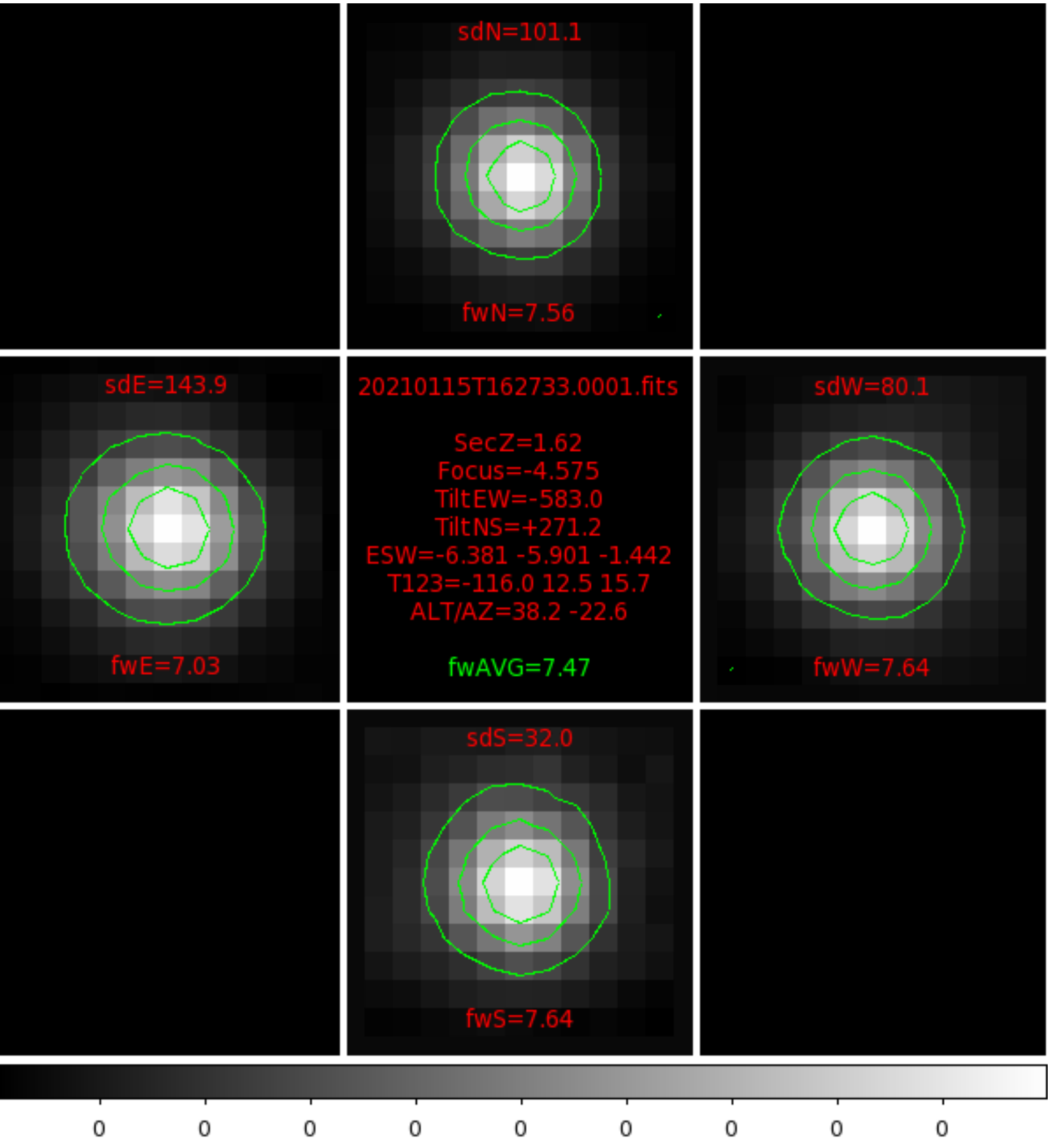
sdN=101.1
fwN=7.56
sdE=143.9
fwE=7.03
20210115T162733.0001.fits
SecZ=1.62
Focus=-4.575
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.381 -5.901 -1.442
T123=-116.0 12.5 15.7
ALT/AZ=38.2 -22.6
fwAVG=7.47
sdW=80.1
fwW=7.64
sdS=32.0
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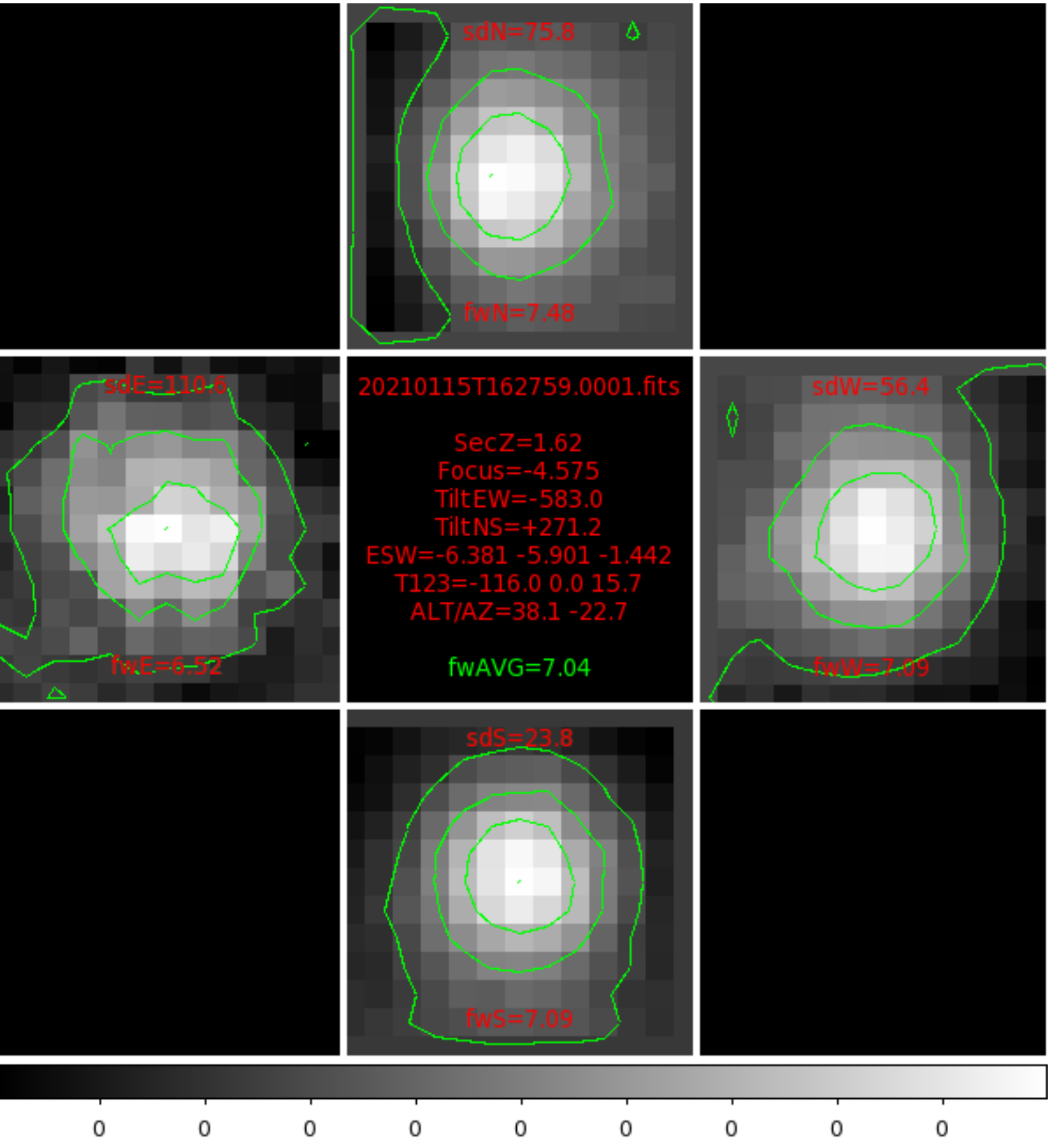
sdN=75.8
fwN=7.48
sdE=110.6
fwE=6.52
20210115T162759.0001.fits
SecZ=1.62
Focus=-4.575
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.381 -5.901 -1.442
T123=-116.0 0.0 15.7
ALT/AZ=38.1 -22.7
fwAVG=7.04
sdW=56.4
fwW=7.09
sdS=23.8
fwS=7.09
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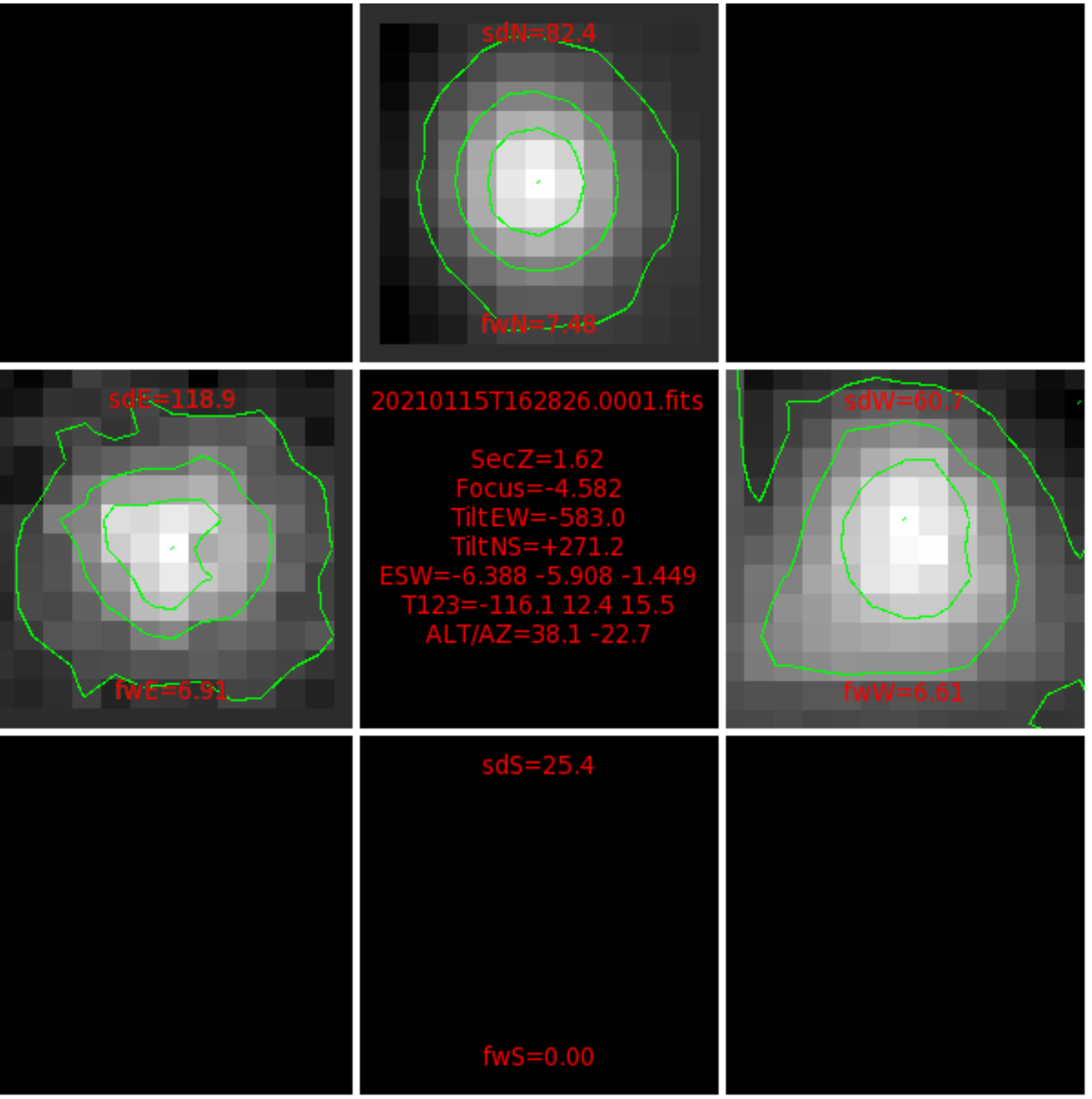
sdN=82.4
fwN=7.48
sdE=118.9
fwE=6.91
20210115T162826.0001.fits
SecZ=1.62
Focus=-4.582
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.388 -5.908 -1.449
T123=-116.1 12.4 15.5
ALT/AZ=38.1 -22.7
sdW=60.7
fwW=6.61
sdS=25.4
fwS=0.00
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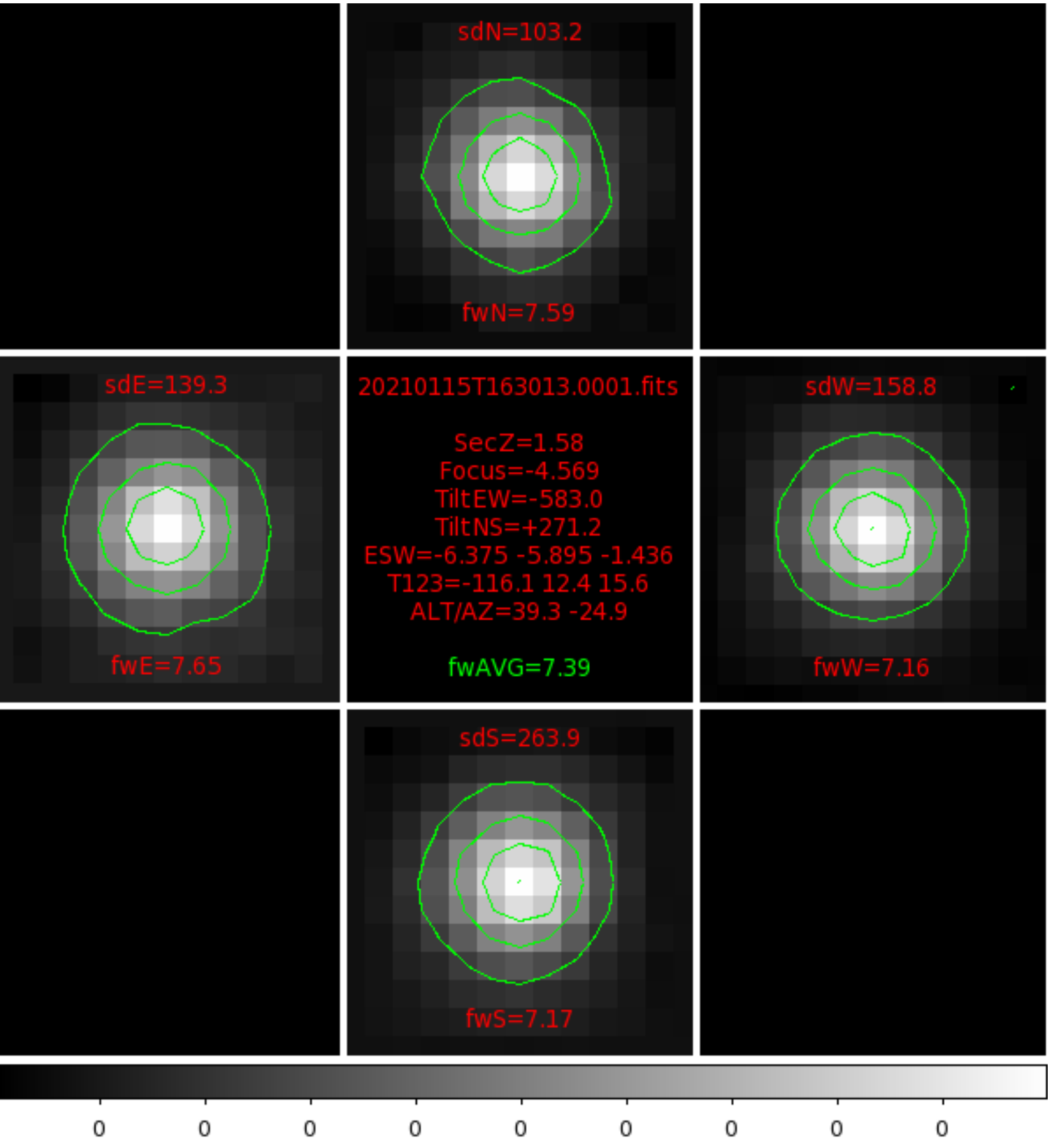
sdN=103.2
fwN=7.59
sdE=139.3
fwE=7.65
20210115T163013.0001.fits
SecZ=1.58
Focus=-4.569
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.375 -5.895 -1.436
T123=-116.1 12.4 15.6
ALT/AZ=39.3 -24.9
fwAVG=7.39
sdW=158.8
fwW=7.16
sdS=263.9
fwS=7.17
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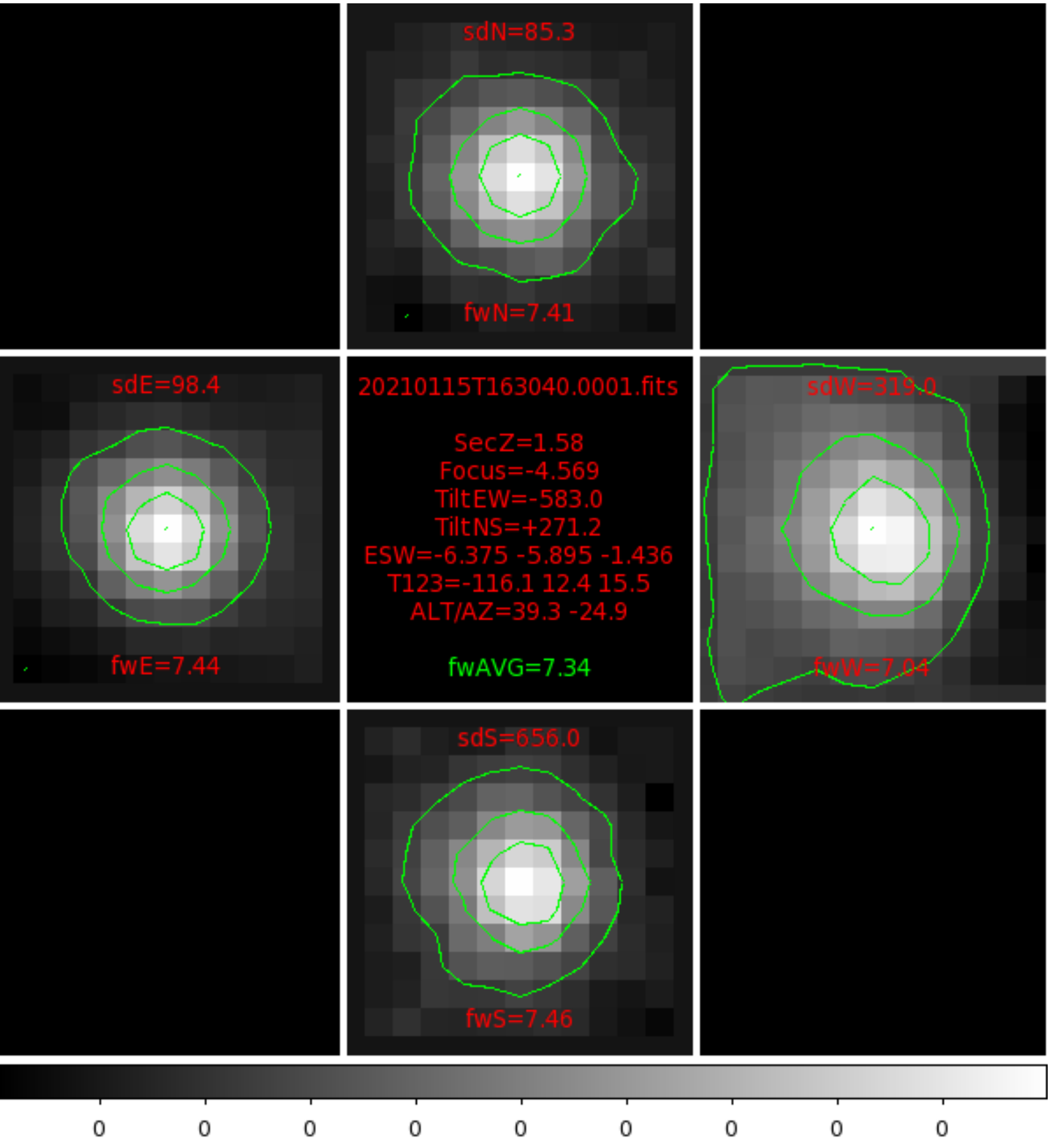
sdN=85.3
fwN=7.41
sdE=98.4
fwE=7.44
20210115T163040.0001.fits
SecZ=1.58
Focus=-4.569
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.375 -5.895 -1.436
T123=-116.1 12.4 15.5
ALT/AZ=39.3 -24.9
fwAVG=7.34
sdW=319.0
fwW=7.04
sdS=656.0
fwS=7.46
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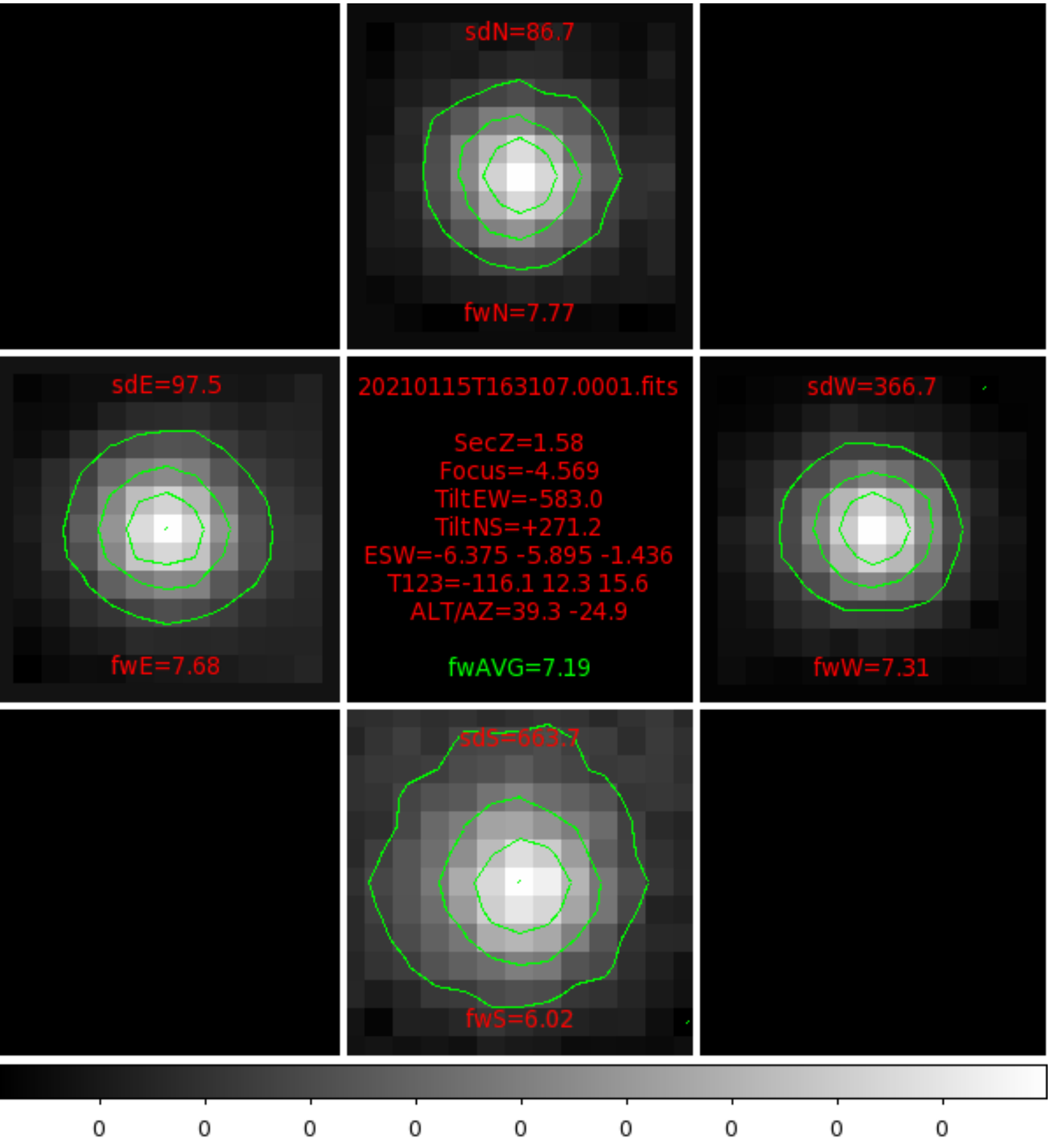
sdN=86.7
fwN=7.77
sdE=97.5
fwE=7.68
20210115T163107.0001.fits
SecZ=1.58
Focus=-4.569
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.375 -5.895 -1.436
T123=-116.1 12.3 15.6
ALT/AZ=39.3 -24.9
fwAVG=7.19
sdW=366.7
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sdS=663.7
fwS=6.02
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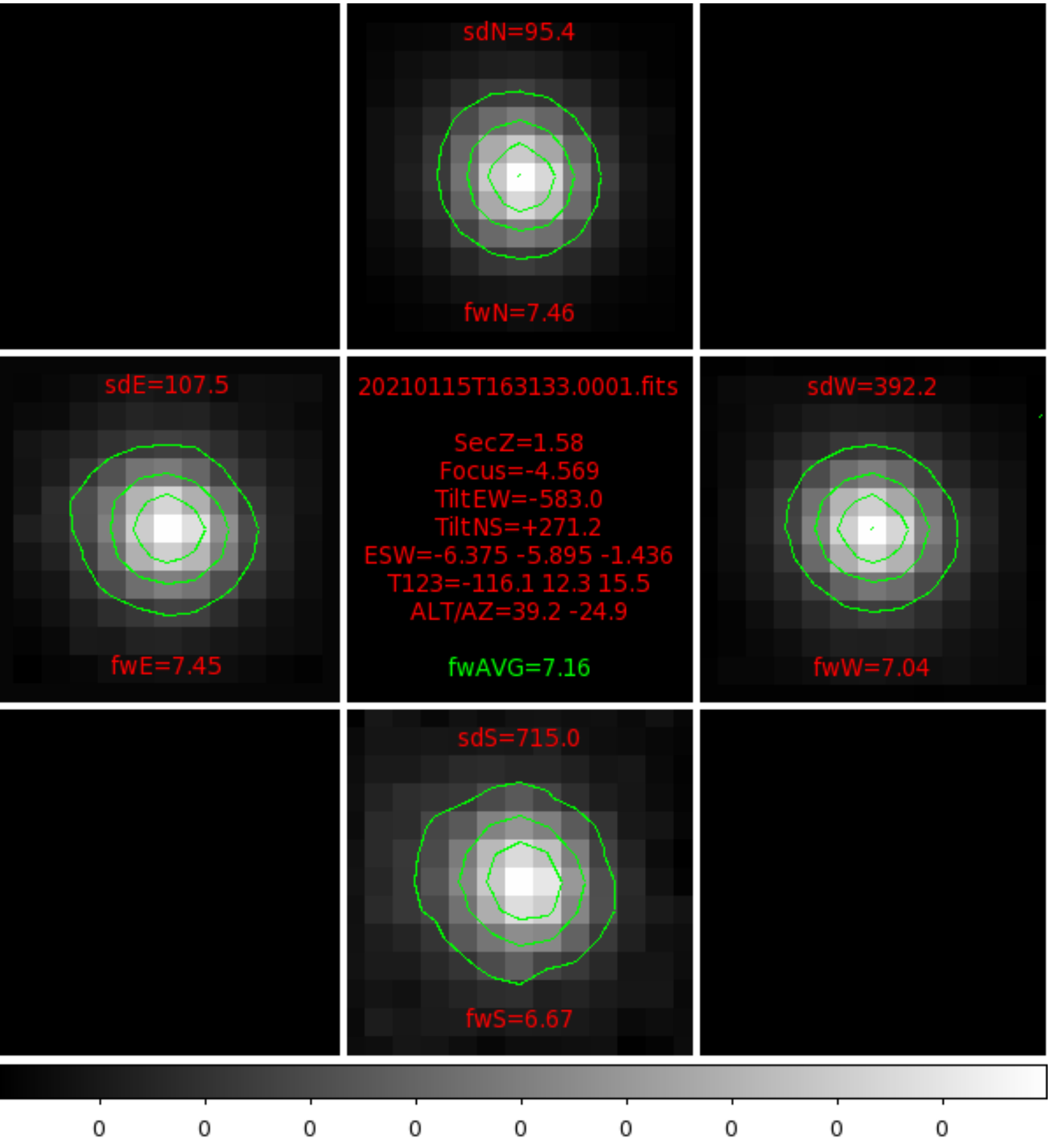
sdN=95.4
fwN=7.46
sdE=107.5
fwE=7.45
20210115T163133.0001.fits
SecZ=1.58
Focus=-4.569
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.375 -5.895 -1.436
T123=-116.1 12.3 15.5
ALT/AZ=39.2 -24.9
fwAVG=7.16
sdW=392.2
fwW=7.04
sdS=715.0
fwS=6.67
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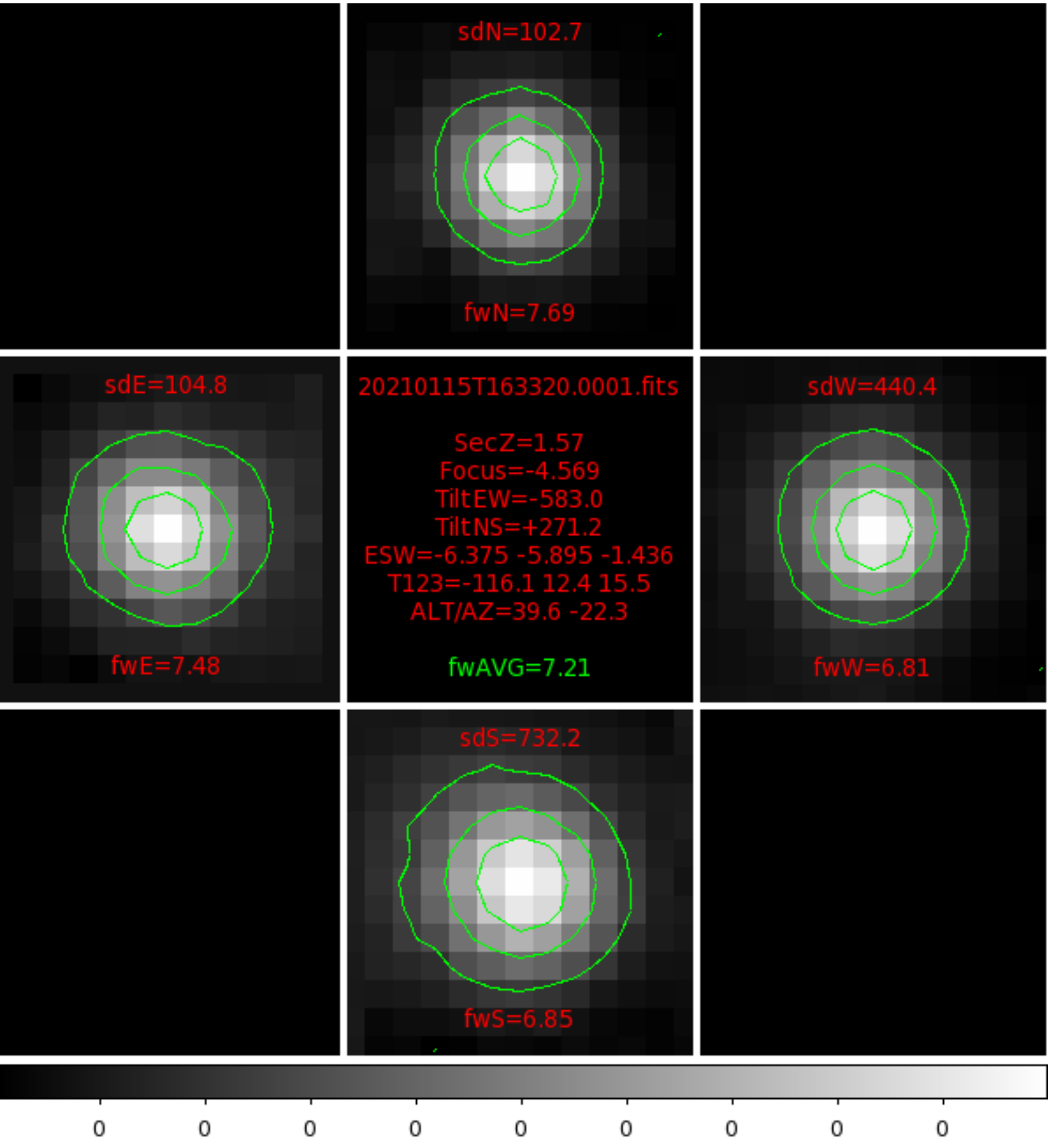
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sdE=104.8
fwE=7.48
20210115T163320.0001.fits
SecZ=1.57
Focus=-4.569
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.375 -5.895 -1.436
T123=-116.1 12.4 15.5
ALT/AZ=39.6 -22.3
fwAVG=7.21
sdW=440.4
fwW=6.81
sdS=732.2
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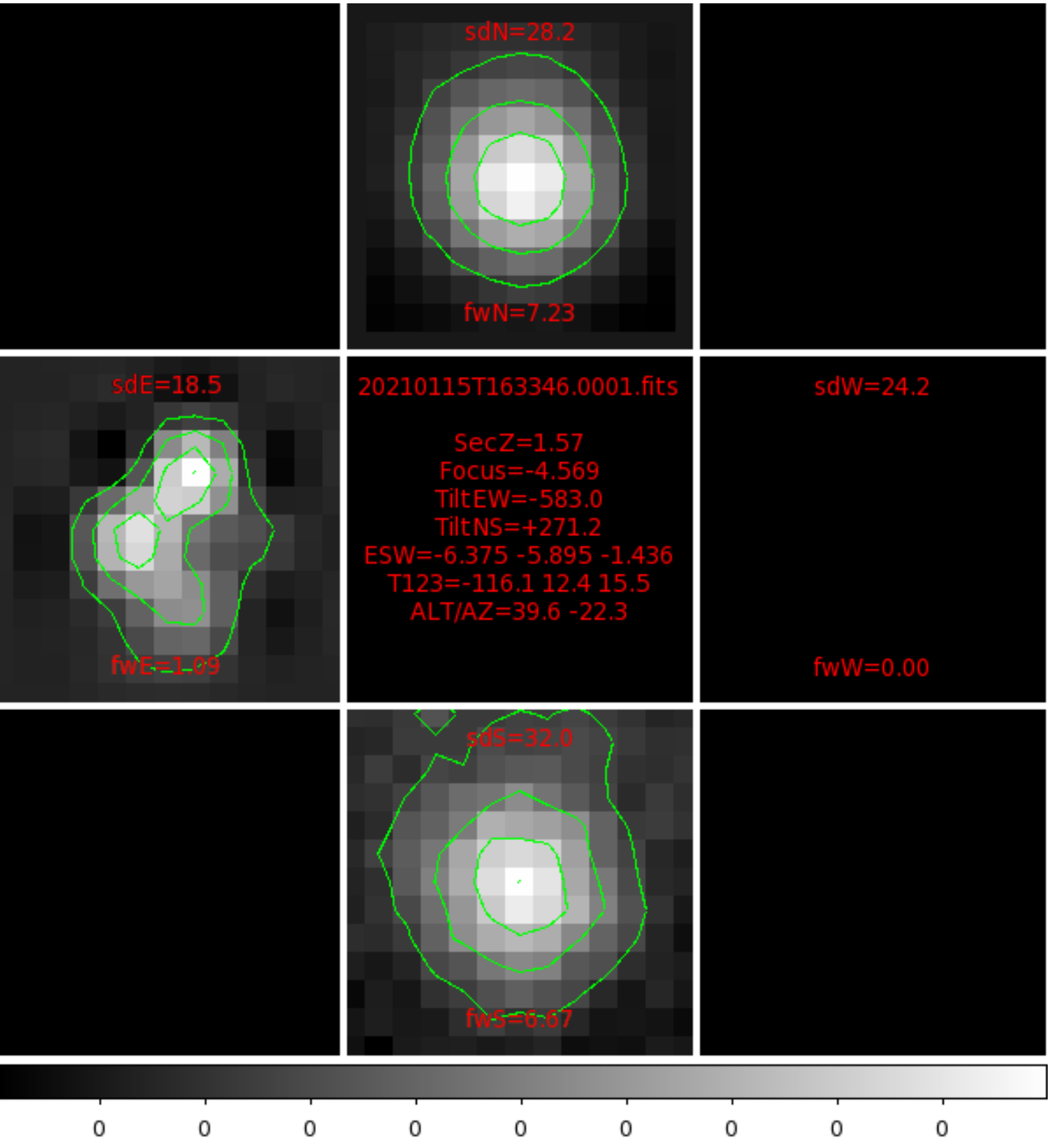
sdN=28.2
fwN=7.23
sdE=18.5
fwE=1.09
20210115T163346.0001.fits
SecZ=1.57
Focus=-4.569
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.375 -5.895 -1.436
T123=-116.1 12.4 15.5
ALT/AZ=39.6 -22.3
sdW=24.2
fwW=0.00
sdS=32.0
fwS=6.67
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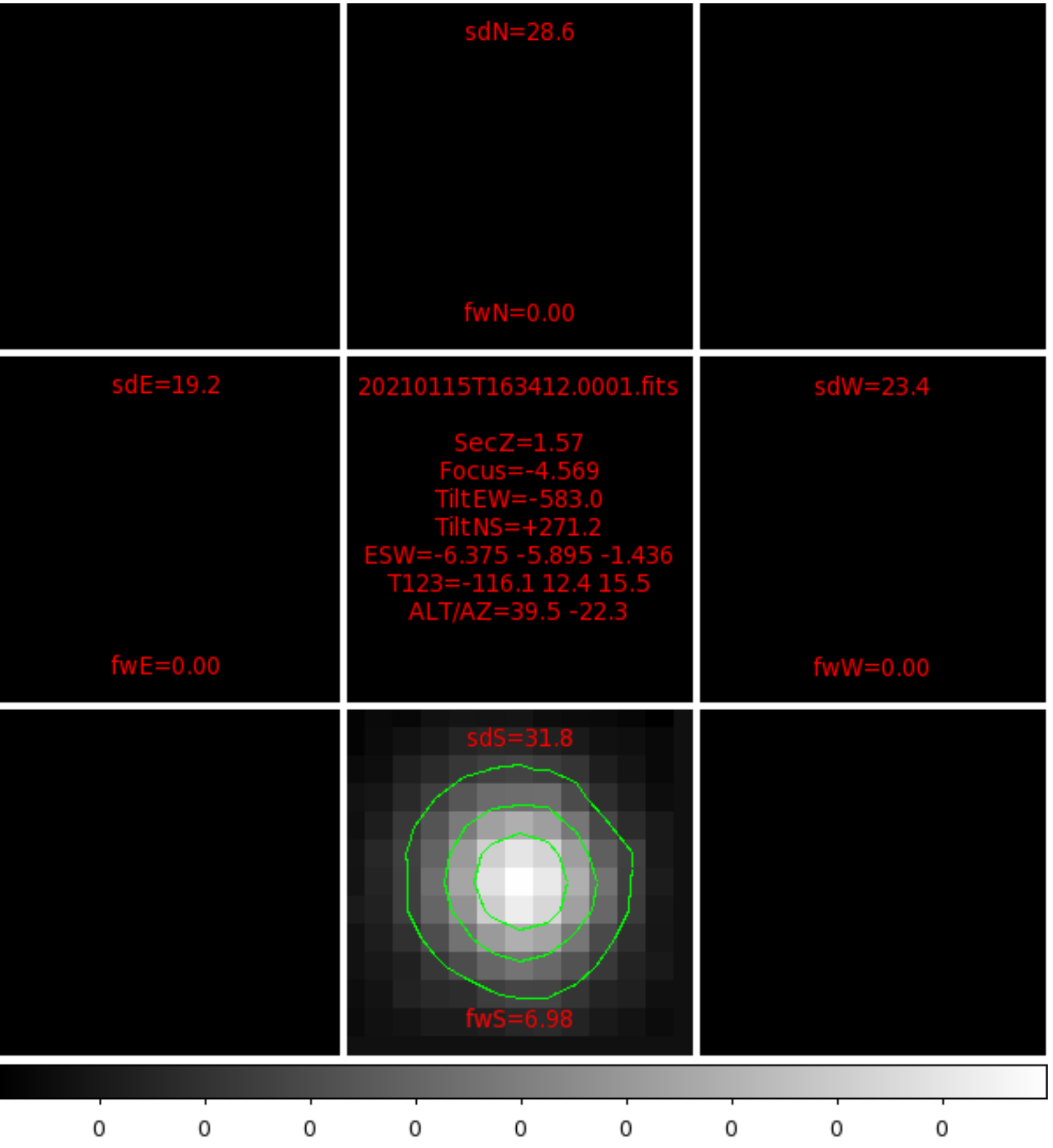
sdN=28.6
fwN=0.00
sdE=19.2
20210115T163412.0001.fits
SecZ=1.57
Focus=-4.569
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.375 -5.895 -1.436
T123=-116.1 12.4 15.5
ALT/AZ=39.5 -22.3
sdW=23.4
fwE=0.00
fwW=0.00
sdS=31.8
fwS=6.98
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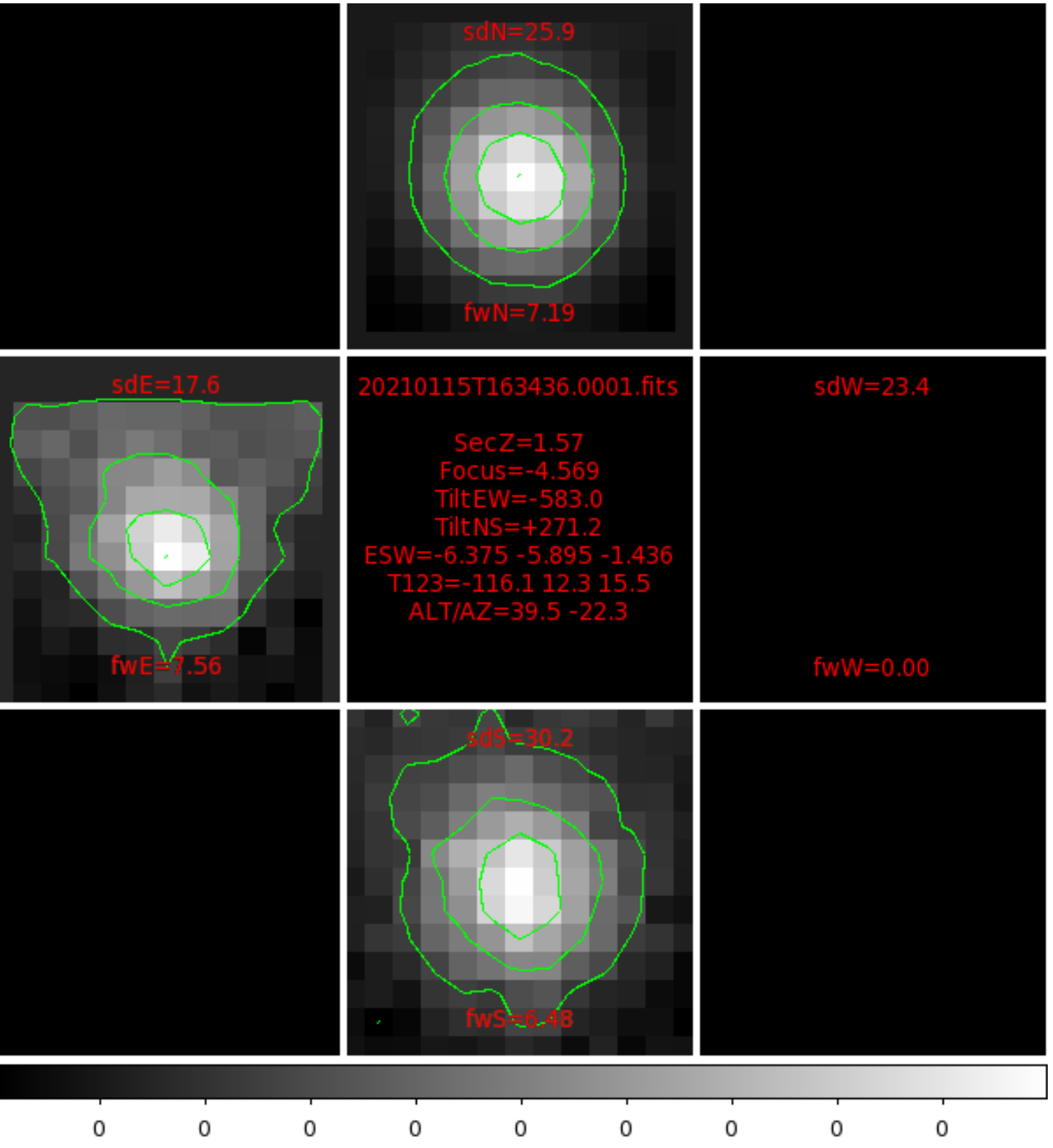
sdN=25.9
fwN=7.19
sdE=17.6
fwE=7.56
20210115T163436.0001.fits
SecZ=1.57
Focus=-4.569
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.375 -5.895 -1.436
T123=-116.1 12.3 15.5
ALT/AZ=39.5 -22.3
sdW=23.4
fwW=0.00
sdS=30.2
fwS=6.48
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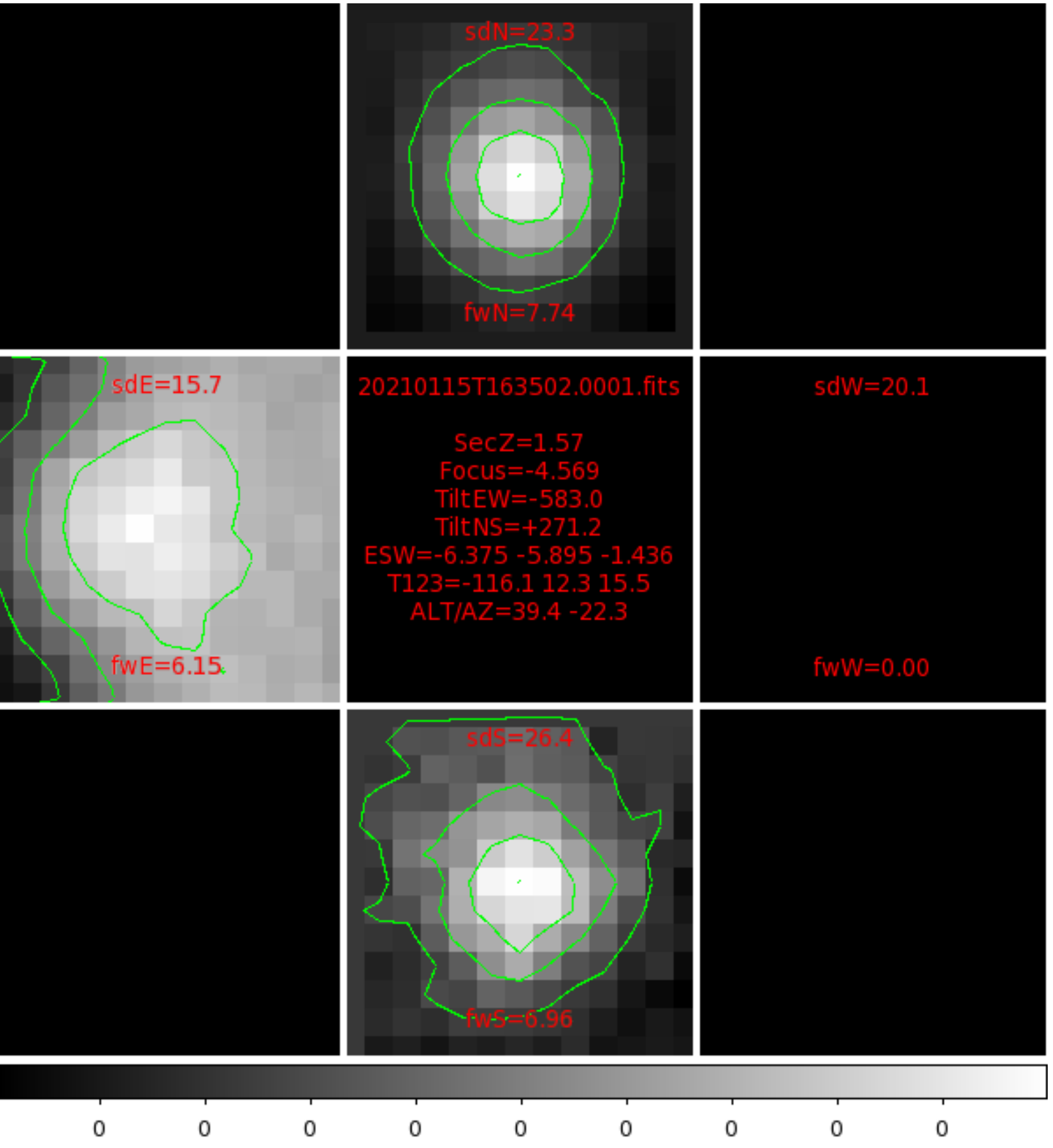
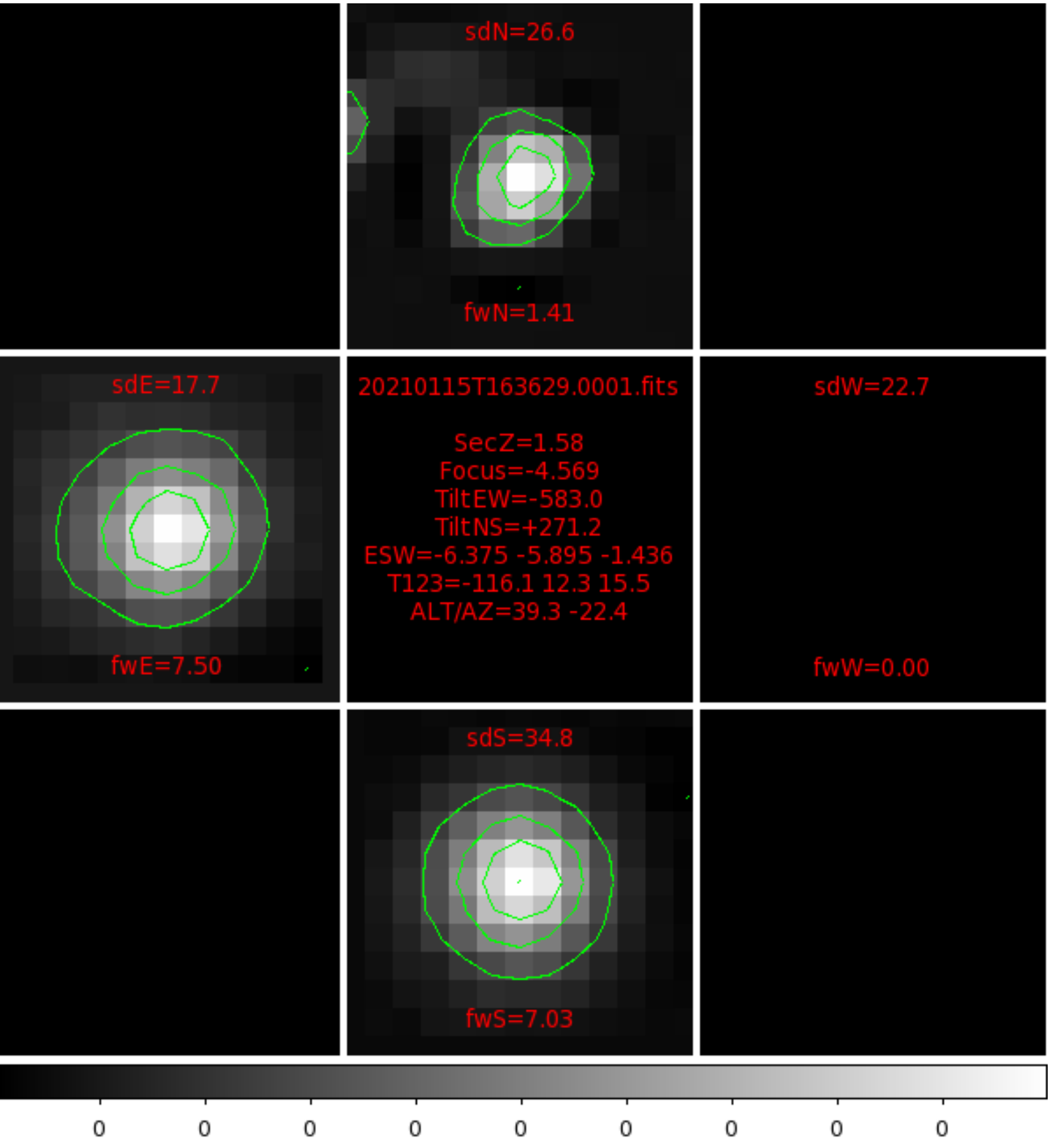

sdN=23.3
fwN=7.74
sdE=15.7
fwE=6.15
20210115T163502.0001.fits
SecZ=1.57
Focus=-4.569
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.375 -5.895 -1.436
T123=-116.1 12.3 15.5
ALT/AZ=39.4 -22.3
sdW=20.1
fwW=0.00
sdS=26.4
fwS=6.96
0 0 0 0 0 0 0 0 0


sdN=26.6
fwN=1.41
sdE=17.7
fwE=7.50
20210115T163629.0001.fits
SecZ=1.58
Focus=-4.569
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.375 -5.895 -1.436
T123=-116.1 12.3 15.5
ALT/AZ=39.3 -22.4
sdW=22.7
fwW=0.00
sdS=34.8
fwS=7.03
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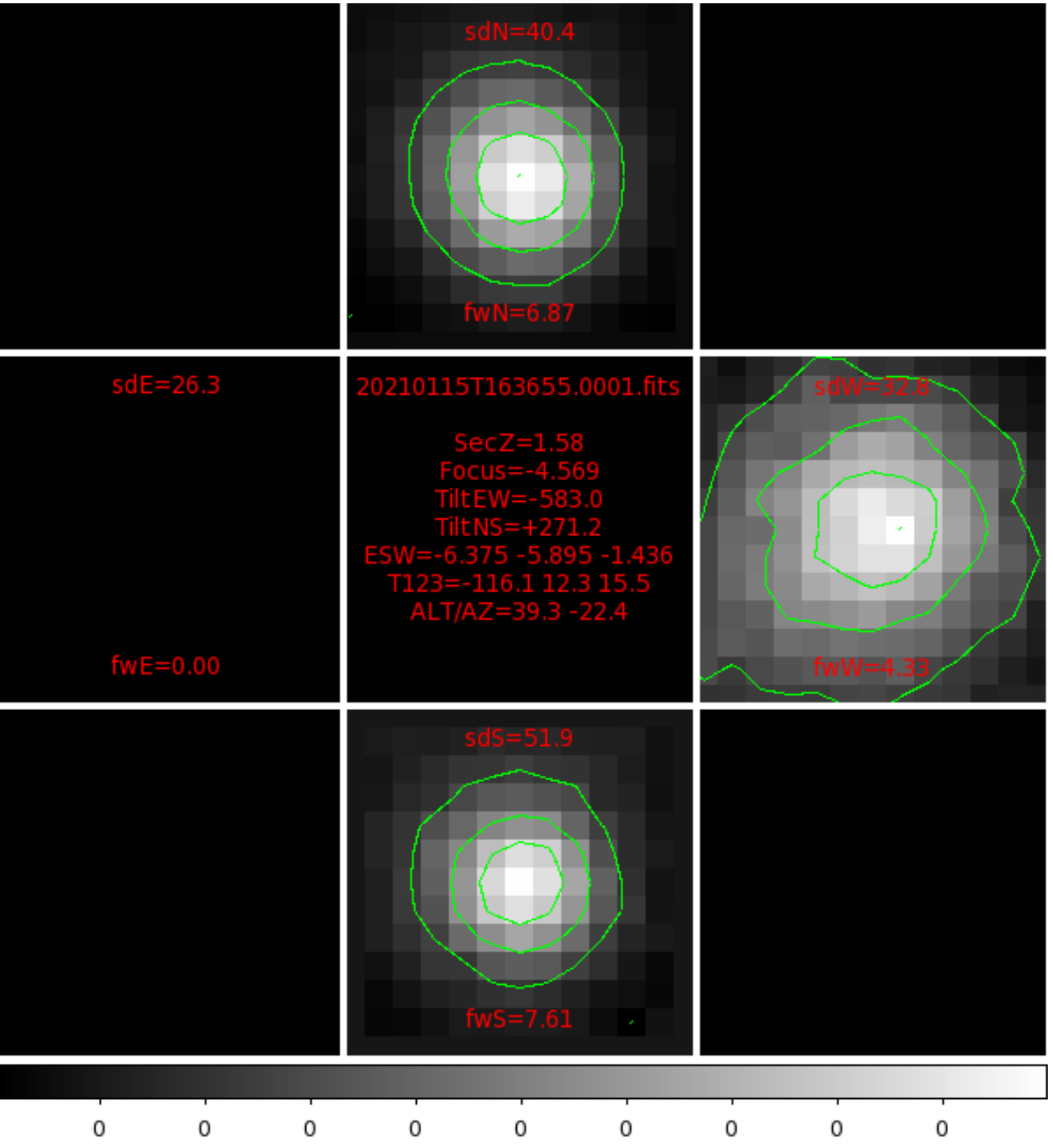
sdN=40.4
fwN=6.87
sdE=26.3
fwE=0.00
20210115T163655.0001.fits
SecZ=1.58
Focus=-4.569
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.375 -5.895 -1.436
T123=-116.1 12.3 15.5
ALT/AZ=39.3 -22.4
sdW=32.8
fwW=4.33
sdS=51.9
fwS=7.61
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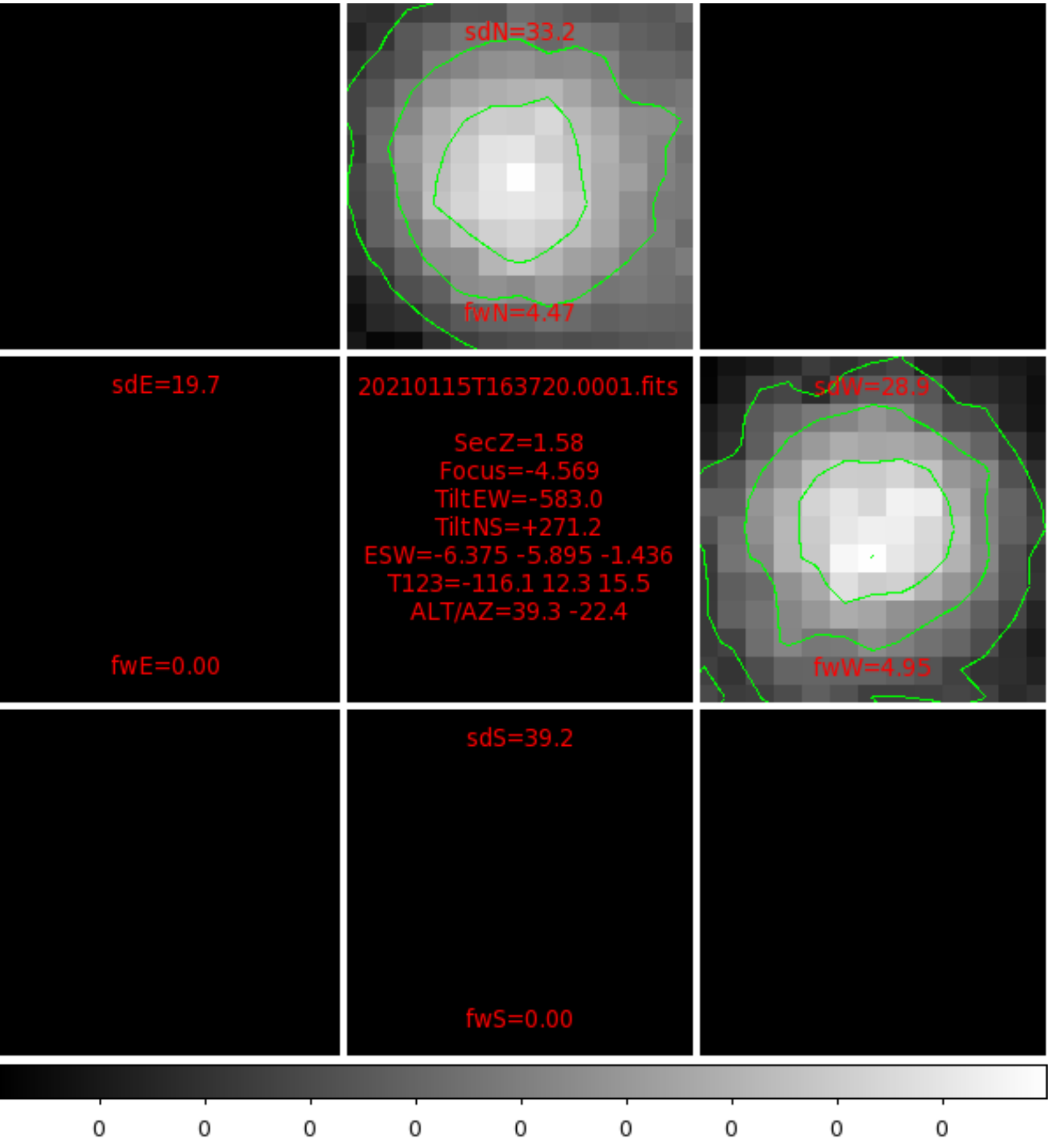
sdN=33.2
fwN=4.47
sdE=19.7
fwE=0.00
20210115T163720.0001.fits
SecZ=1.58
Focus=-4.569
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.375 -5.895 -1.436
T123=-116.1 12.3 15.5
ALT/AZ=39.3 -22.4
sdW=28.9
fwW=4.95
sdS=39.2
fwS=0.00
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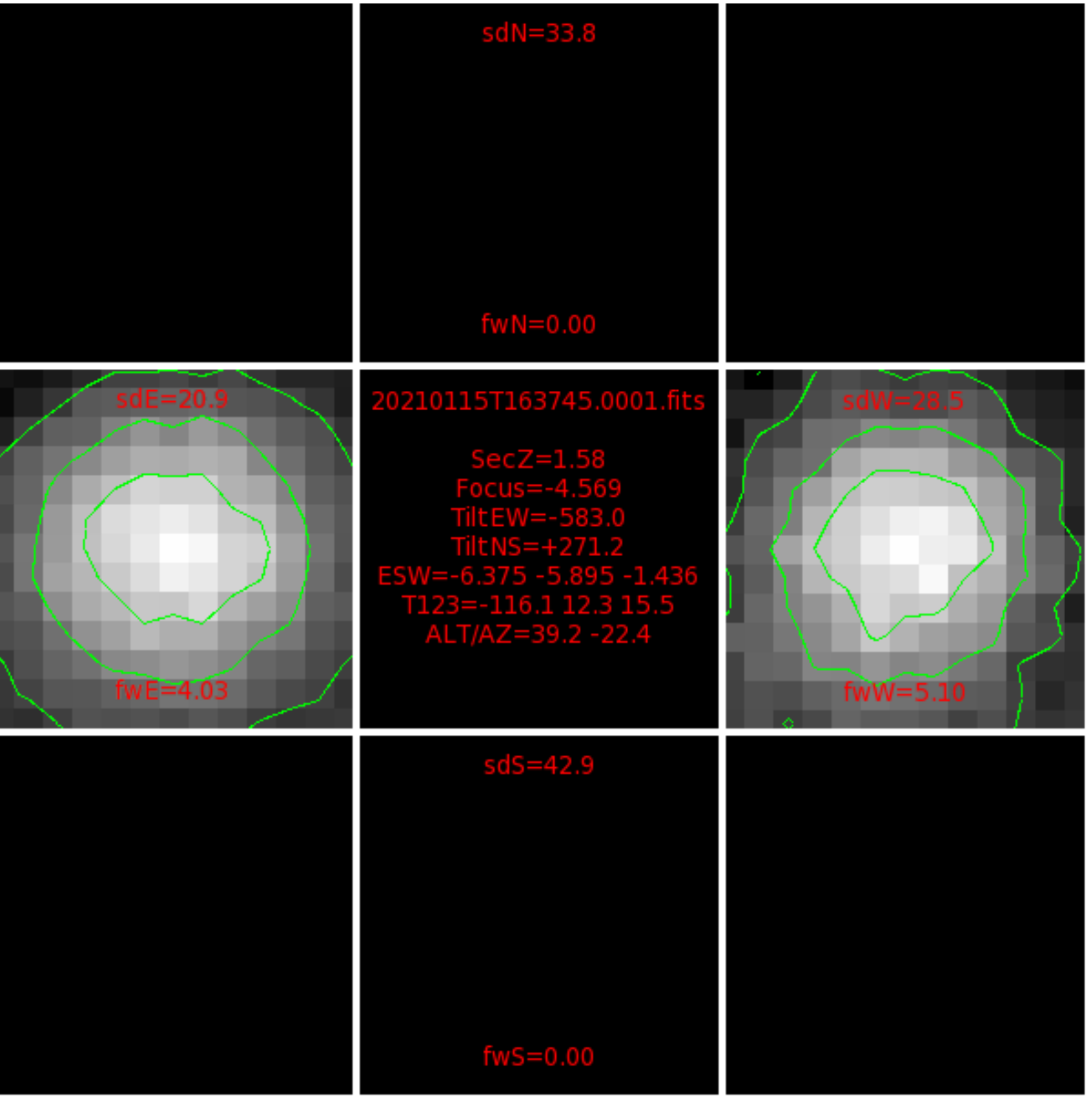
sdN=33.8
fwN=0.00
sdE=20.9
20210115T163745.0001.fits
SecZ=1.58
Focus=-4.569
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.375 -5.895 -1.436
T123=-116.1 12.3 15.5
ALT/AZ=39.2 -22.4
sdW=28.5
fwE=4.03
fwW=5.10
sdS=42.9
fwS=0.00
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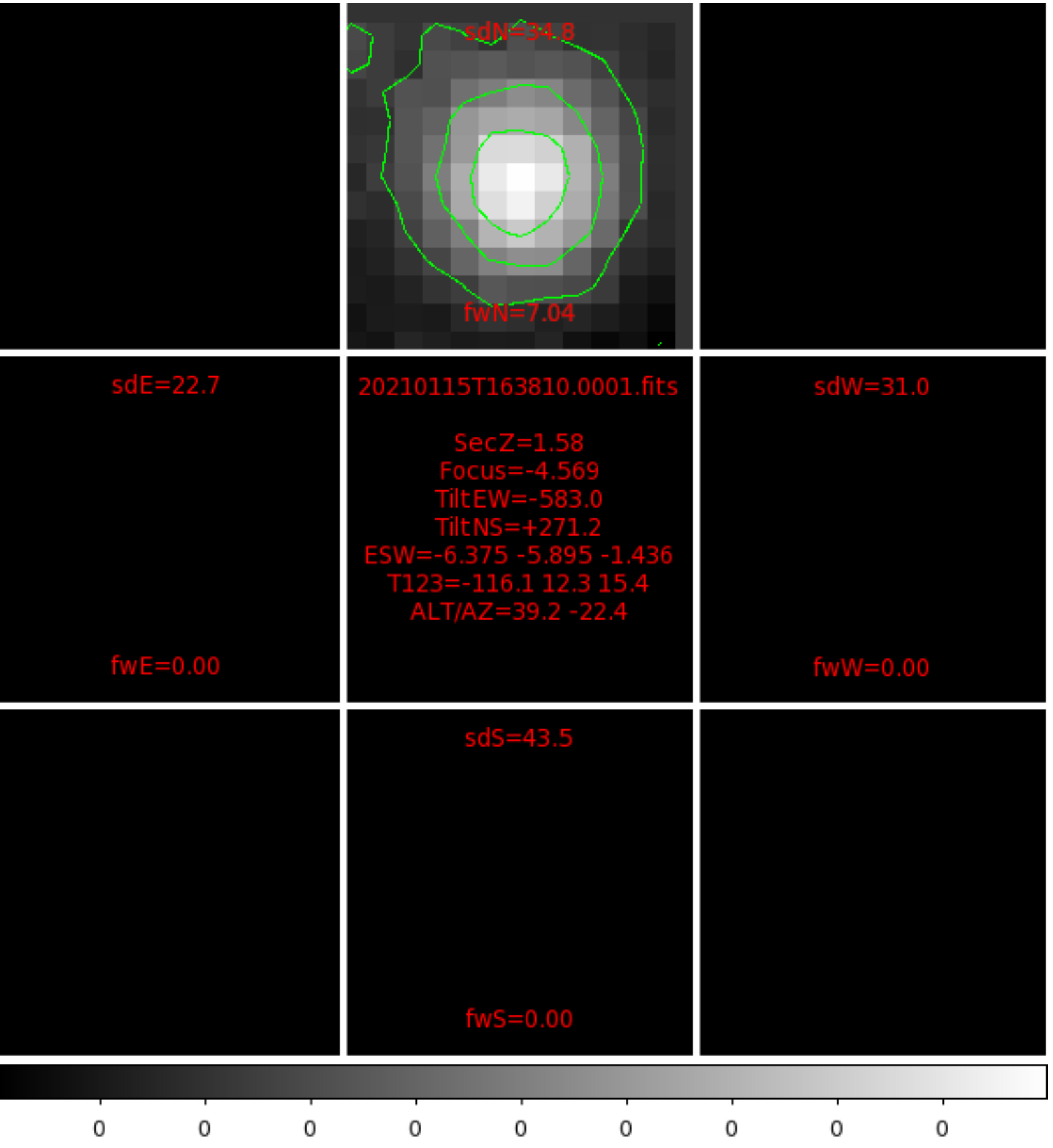
sdN=34.8
fwN=7.04
sdE=22.7
20210115T163810.0001.fits
SecZ=1.58
Focus=-4.569
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.375 -5.895 -1.436
T123=-116.1 12.3 15.4
ALT/AZ=39.2 -22.4
sdW=31.0
fwE=0.00
fwW=0.00
sdS=43.5
fwS=0.00
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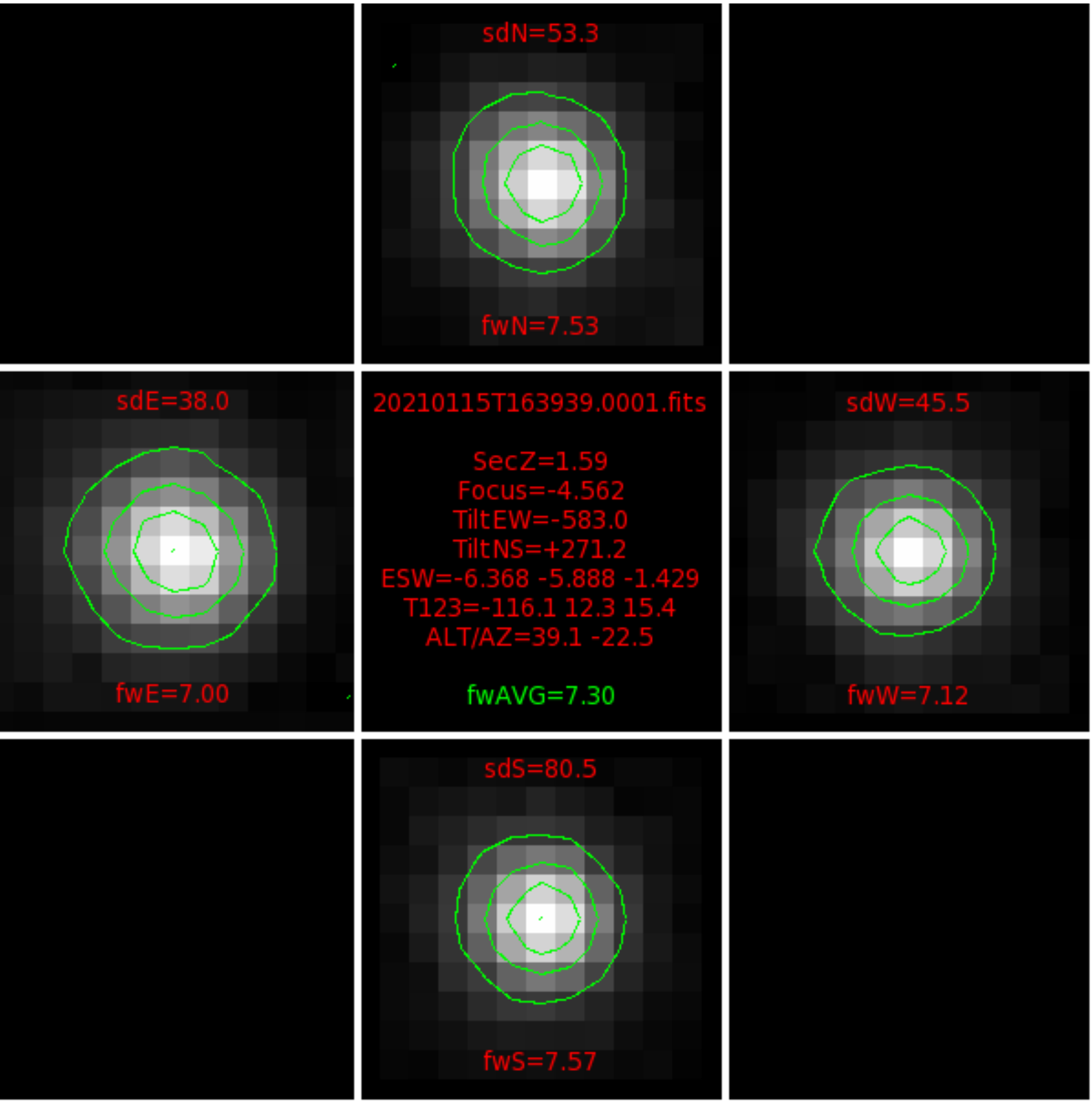
sdN=53.3
fwN=7.53
sdE=38.0
fwE=7.00
20210115T163939.0001.fits
SecZ=1.59
Focus=-4.562
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.368 -5.888 -1.429
T123=-116.1 12.3 15.4
ALT/AZ=39.1 -22.5
fwAVG=7.30
sdW=45.5
fwW=7.12
sdS=80.5
fwS=7.57
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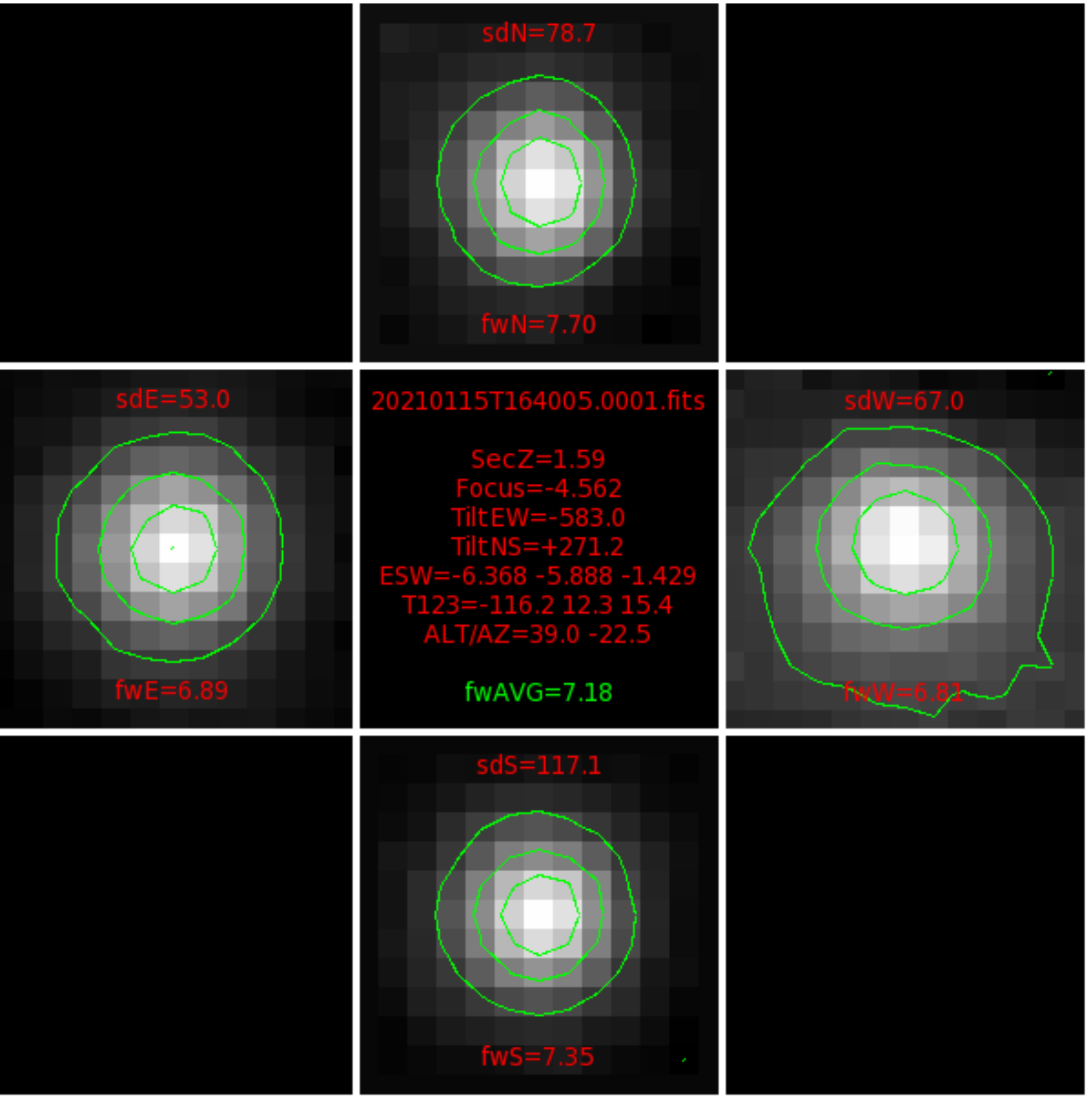
sdN=78.7
fwN=7.70
sdE=53.0
fwE=6.89
20210115T164005.0001.fits
SecZ=1.59
Focus=-4.562
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.368 -5.888 -1.429
T123=-116.2 12.3 15.4
ALT/AZ=39.0 -22.5
fwAVG=7.18
sdW=67.0
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sdS=117.1
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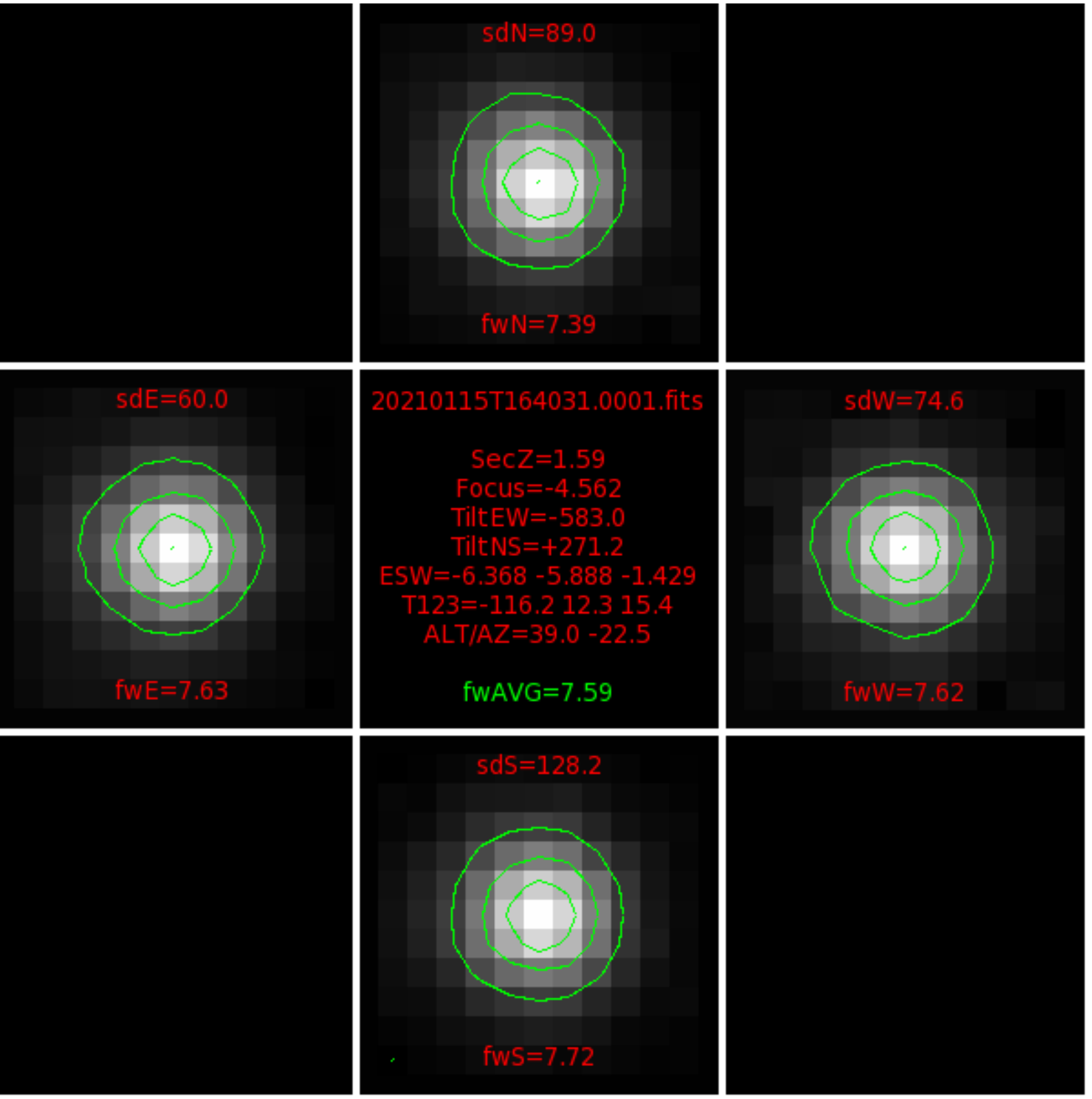
sdN=89.0
fwN=7.39
sdE=60.0
fwE=7.63
20210115T164031.0001.fits
SecZ=1.59
Focus=-4.562
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.368 -5.888 -1.429
T123=-116.2 12.3 15.4
ALT/AZ=39.0 -22.5
fwAVG=7.59
sdW=74.6
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sdS=128.2
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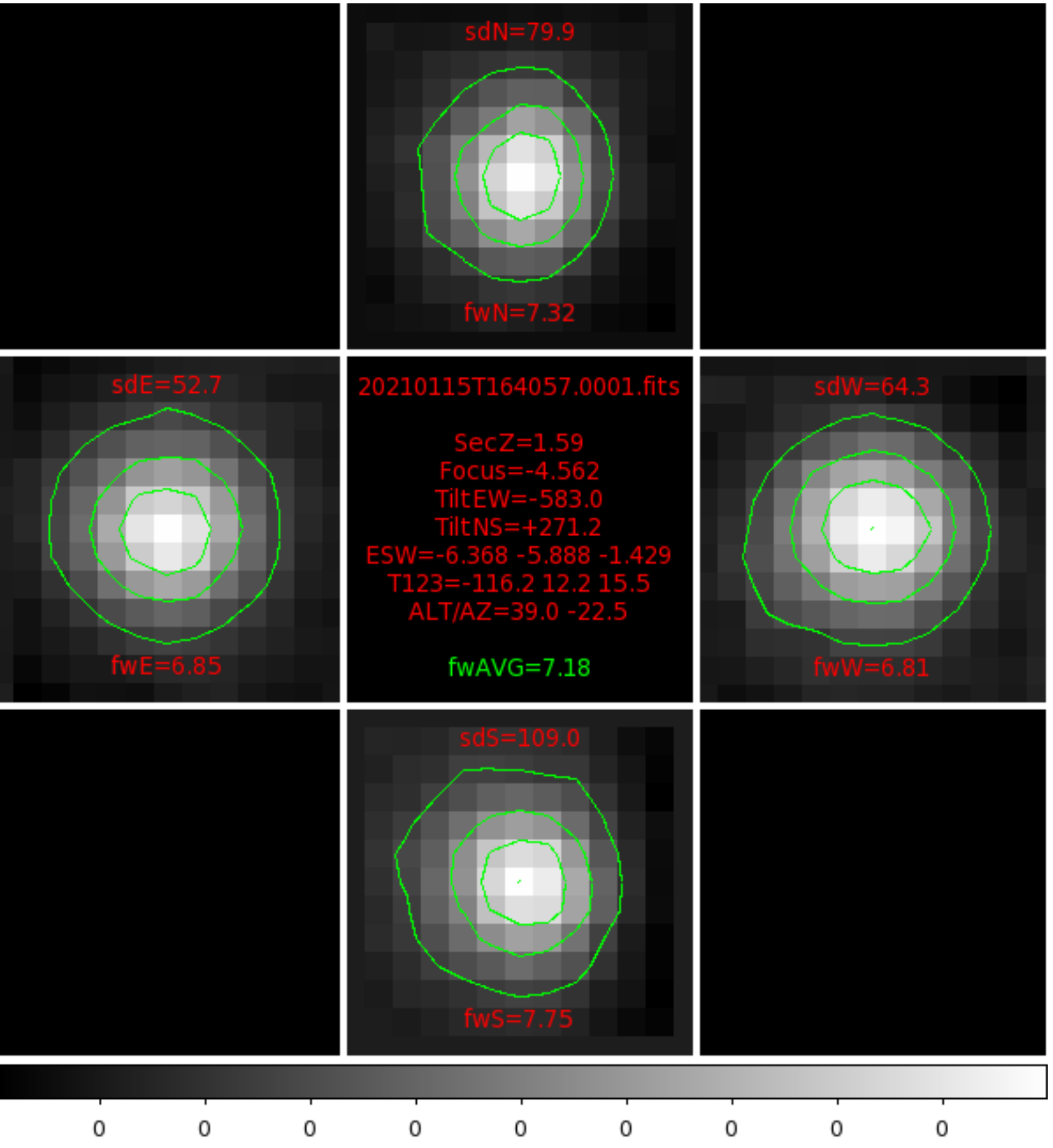
sdN=79.9
fwN=7.32
sdE=52.7
fwE=6.85
20210115T164057.0001.fits
SecZ=1.59
Focus=-4.562
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.368 -5.888 -1.429
T123=-116.2 12.2 15.5
ALT/AZ=39.0 -22.5
fwAVG=7.18
sdW=64.3
fwW=6.81
sdS=109.0
fwS=7.75
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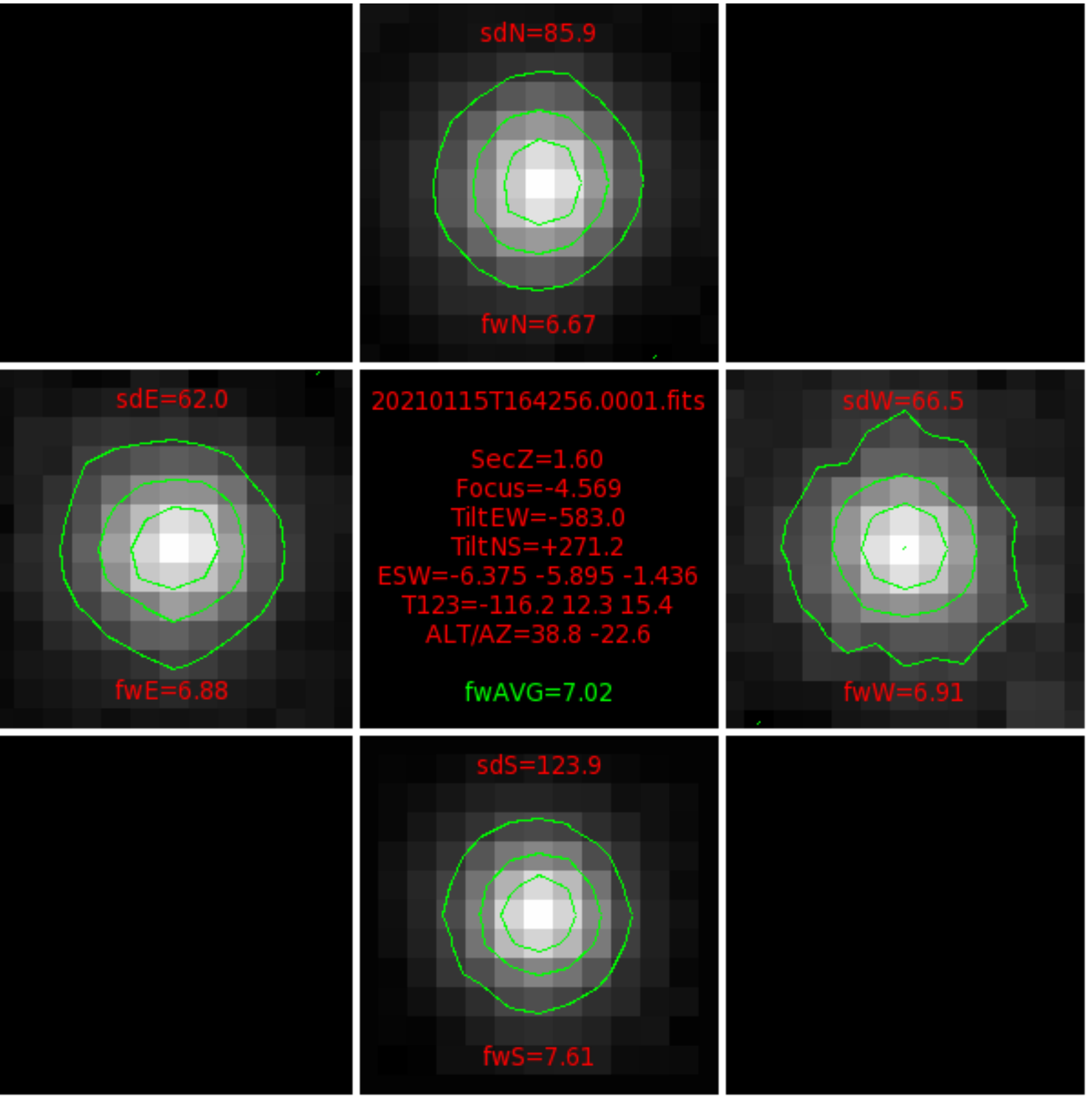
sdN=85.9
fwN=6.67
sdE=62.0
fwE=6.88
20210115T164256.0001.fits
SecZ=1.60
Focus=-4.569
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.375 -5.895 -1.436
T123=-116.2 12.3 15.4
ALT/AZ=38.8 -22.6
fwAVG=7.02
sdW=66.5
fwW=6.91
sdS=123.9
fwS=7.61
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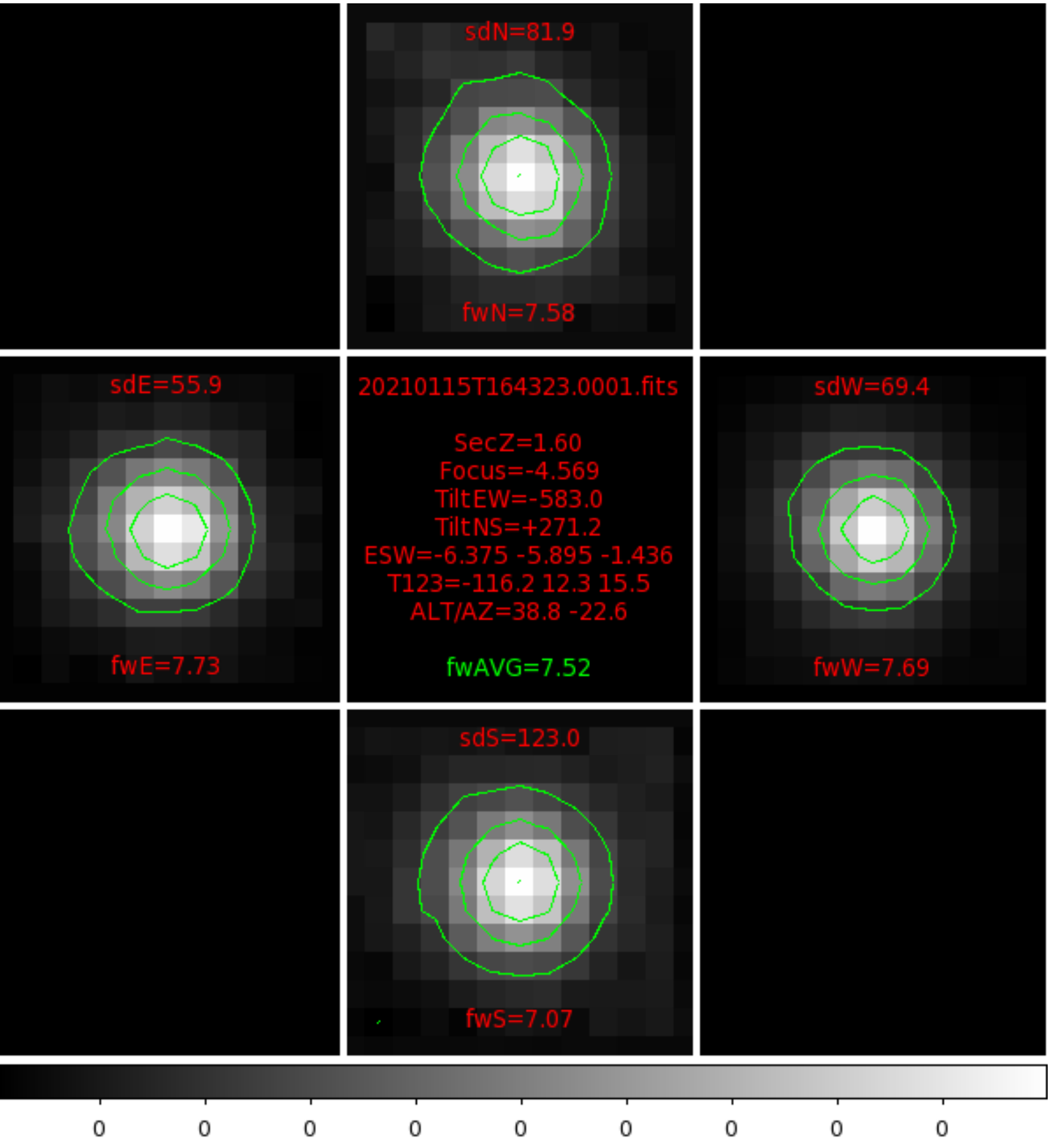
sdN=81.9
fwN=7.58
sdE=55.9
fwE=7.73
20210115T164323.0001.fits
SecZ=1.60
Focus=-4.569
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.375 -5.895 -1.436
T123=-116.2 12.3 15.5
ALT/AZ=38.8 -22.6
fwAVG=7.52
sdW=69.4
fwW=7.69
sdS=123.0
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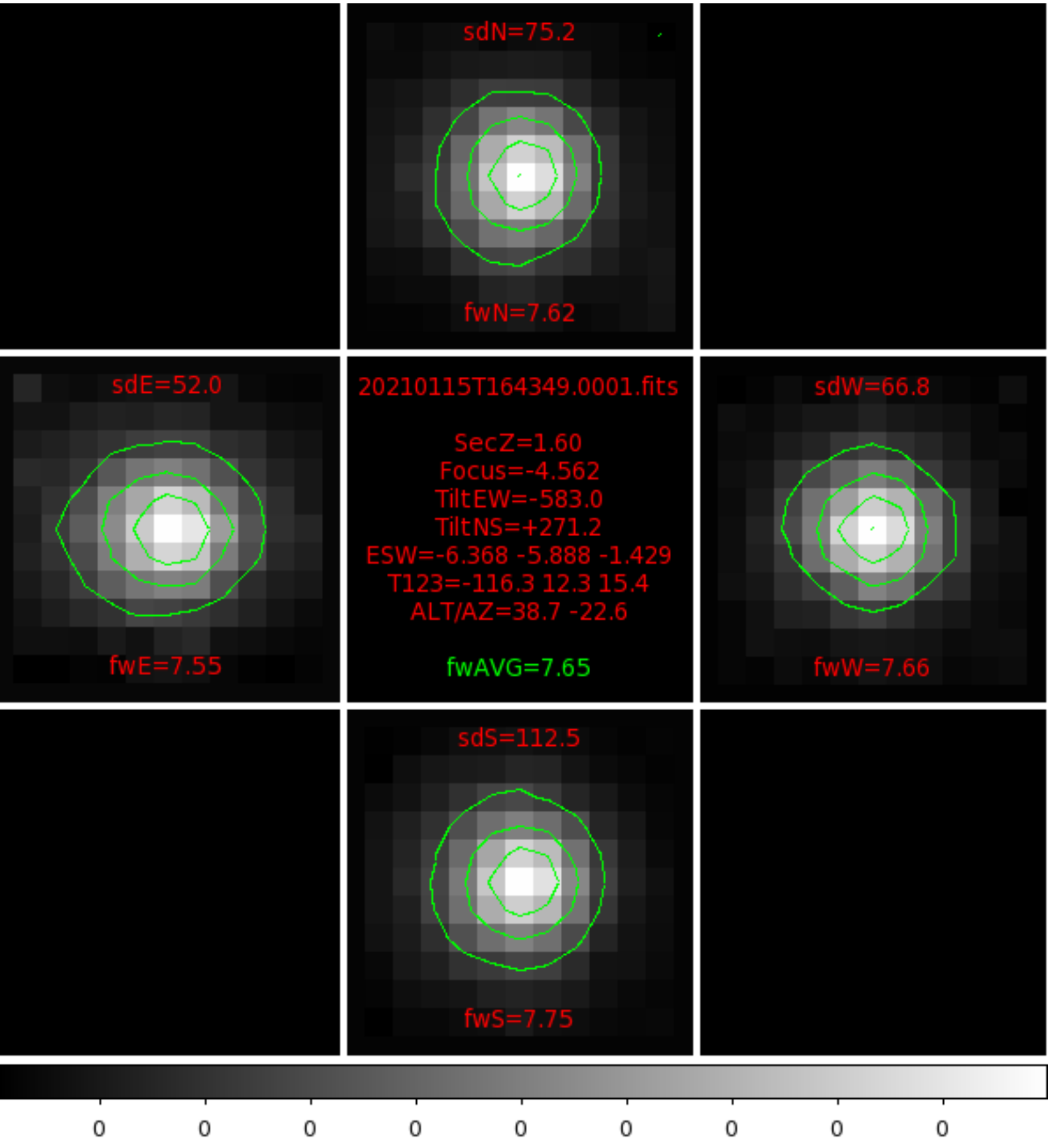
sdN=75.2
fwN=7.62
sdE=52.0
fwE=7.55
20210115T164349.0001.fits
SecZ=1.60
Focus=-4.562
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.368 -5.888 -1.429
T123=-116.3 12.3 15.4
ALT/AZ=38.7 -22.6
fwAVG=7.65
sdW=66.8
fwW=7.66
sdS=112.5
fwS=7.75
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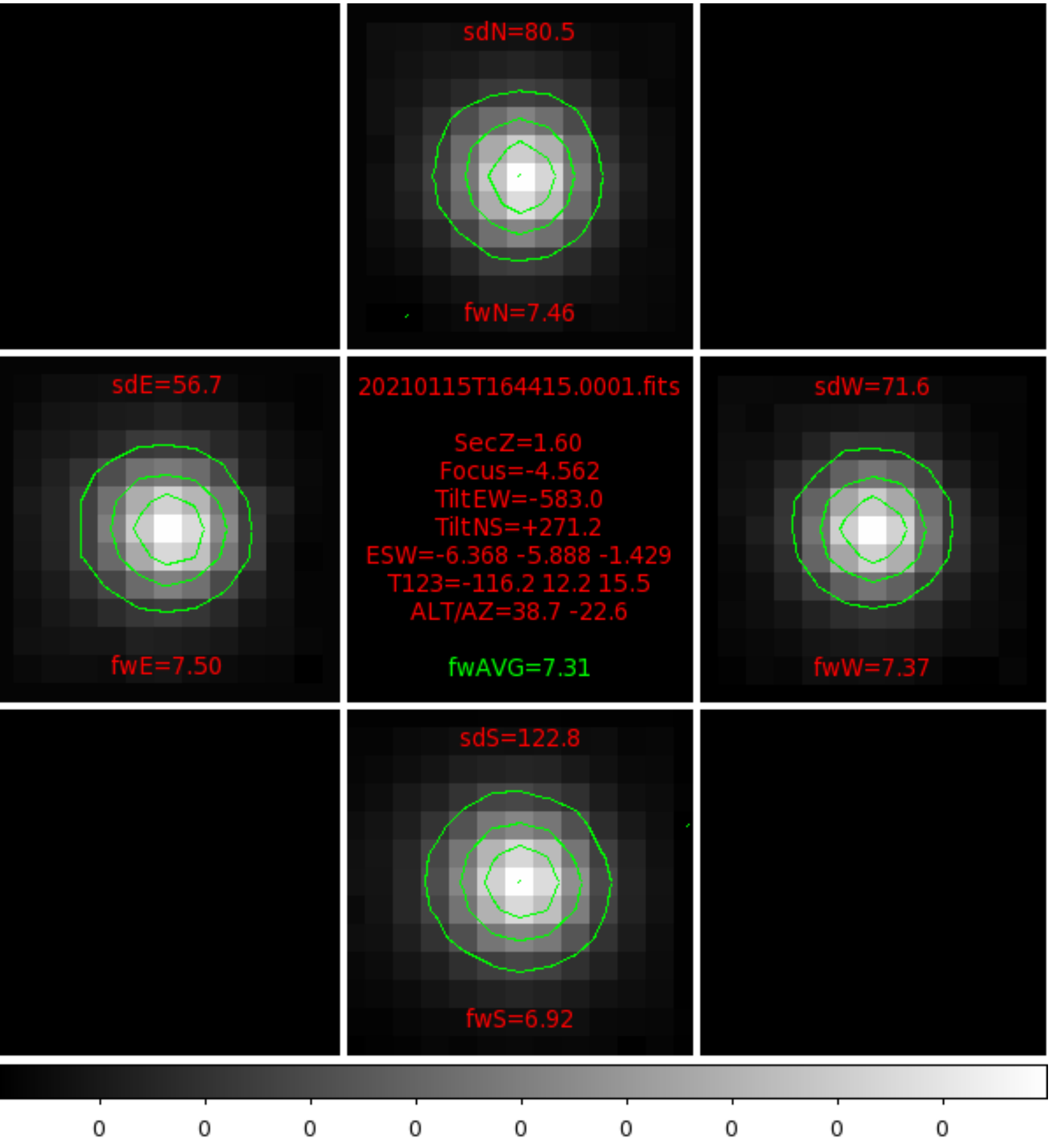
sdN=80.5
fwN=7.46
sdE=56.7
fwE=7.50
20210115T164415.0001.fits
SecZ=1.60
Focus=-4.562
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.368 -5.888 -1.429
T123=-116.2 12.2 15.5
ALT/AZ=38.7 -22.6
fwAVG=7.31
sdW=71.6
fwW=7.37
sdS=122.8
fwS=6.92
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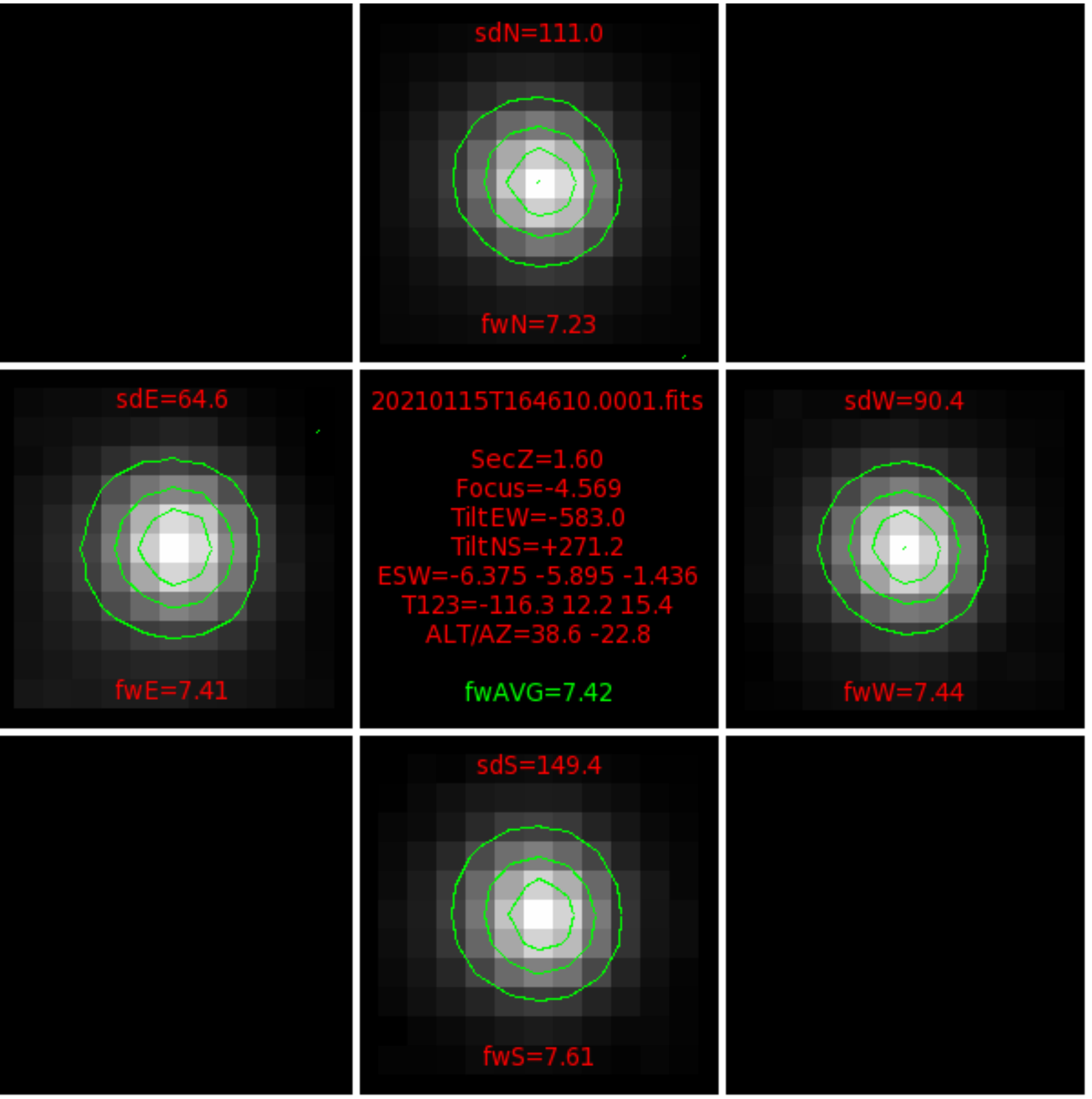
sdN=111.0
fwN=7.23
sdE=64.6
fwE=7.41
20210115T164610.0001.fits
SecZ=1.60
Focus=-4.569
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.375 -5.895 -1.436
T123=-116.3 12.2 15.4
ALT/AZ=38.6 -22.8
fwAVG=7.42
sdW=90.4
fwW=7.44
sdS=149.4
fwS=7.61
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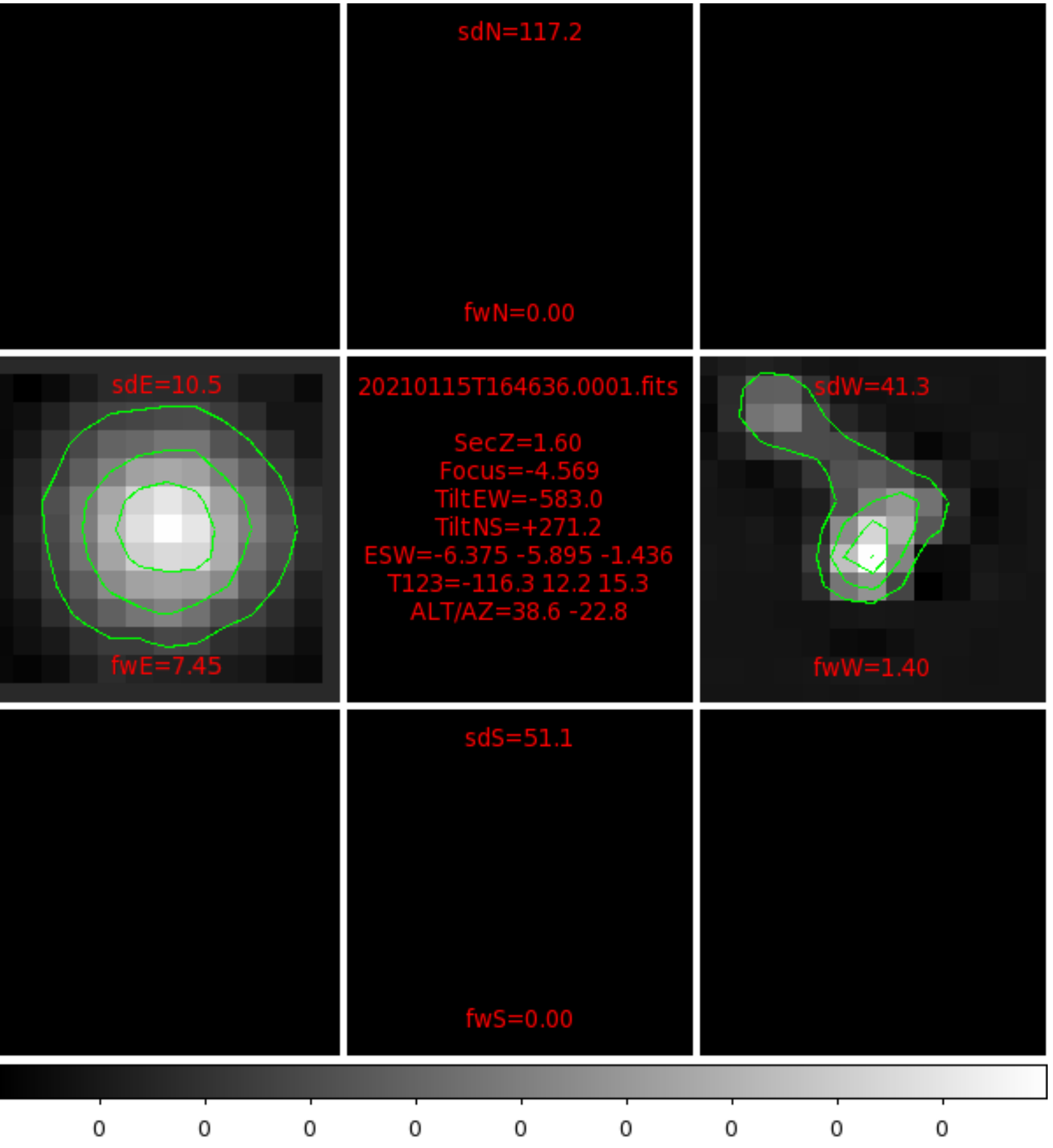
sdN=117.2
fwN=0.00
sdE=10.5
fwE=7.45
20210115T164636.0001.fits
SecZ=1.60
Focus=-4.569
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.375 -5.895 -1.436
T123=-116.3 12.2 15.3
ALT/AZ=38.6 -22.8
sdW=41.3
fwW=1.40
sdS=51.1
fwS=0.00
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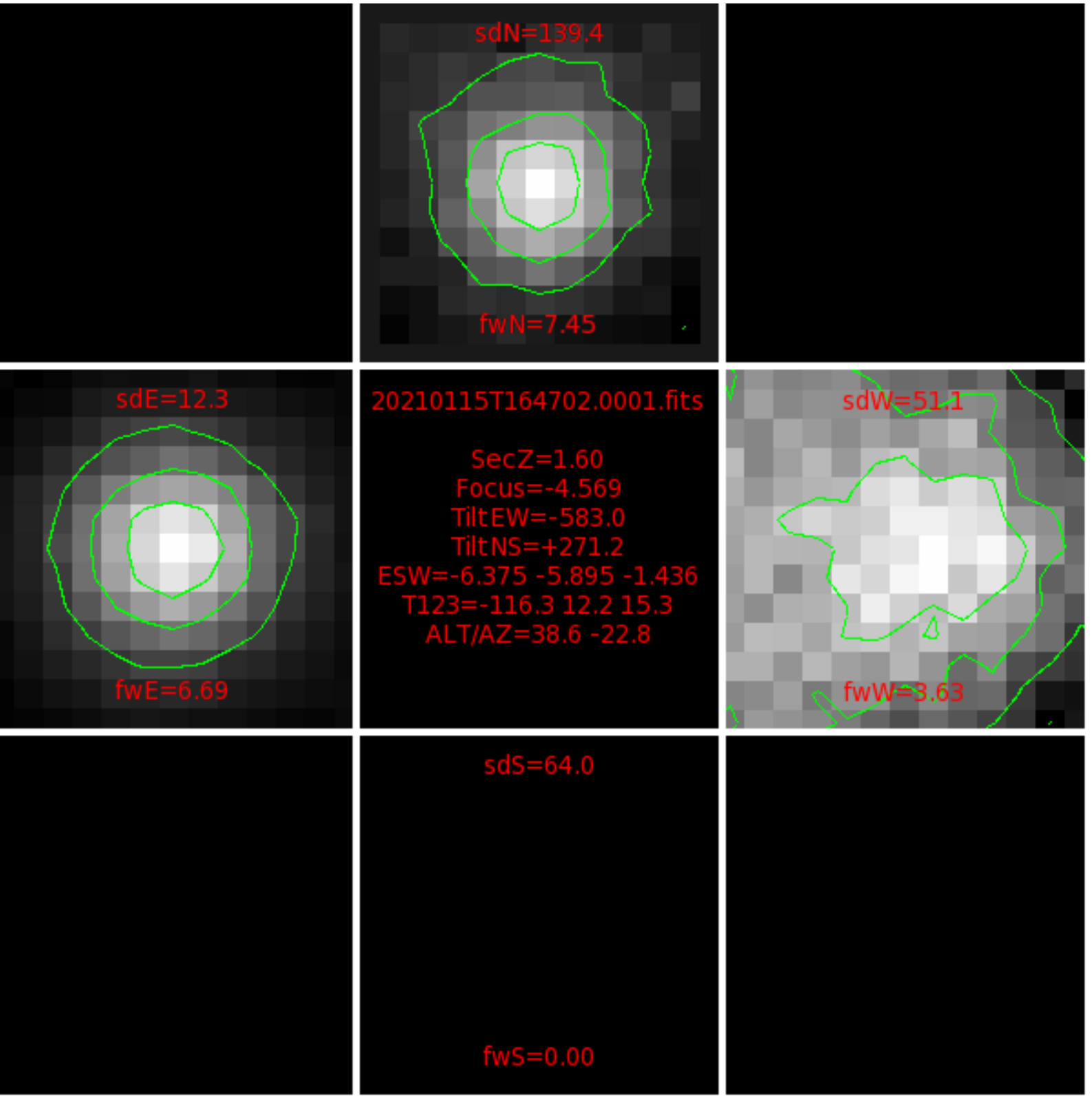
sdN=139.4
fwN=7.45
sdE=12.3
fwE=6.69
20210115T164702.0001.fits
SecZ=1.60
Focus=-4.569
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.375 -5.895 -1.436
T123=-116.3 12.2 15.3
ALT/AZ=38.6 -22.8
sdW=51.1
fwW=3.63
sdS=64.0
fwS=0.00
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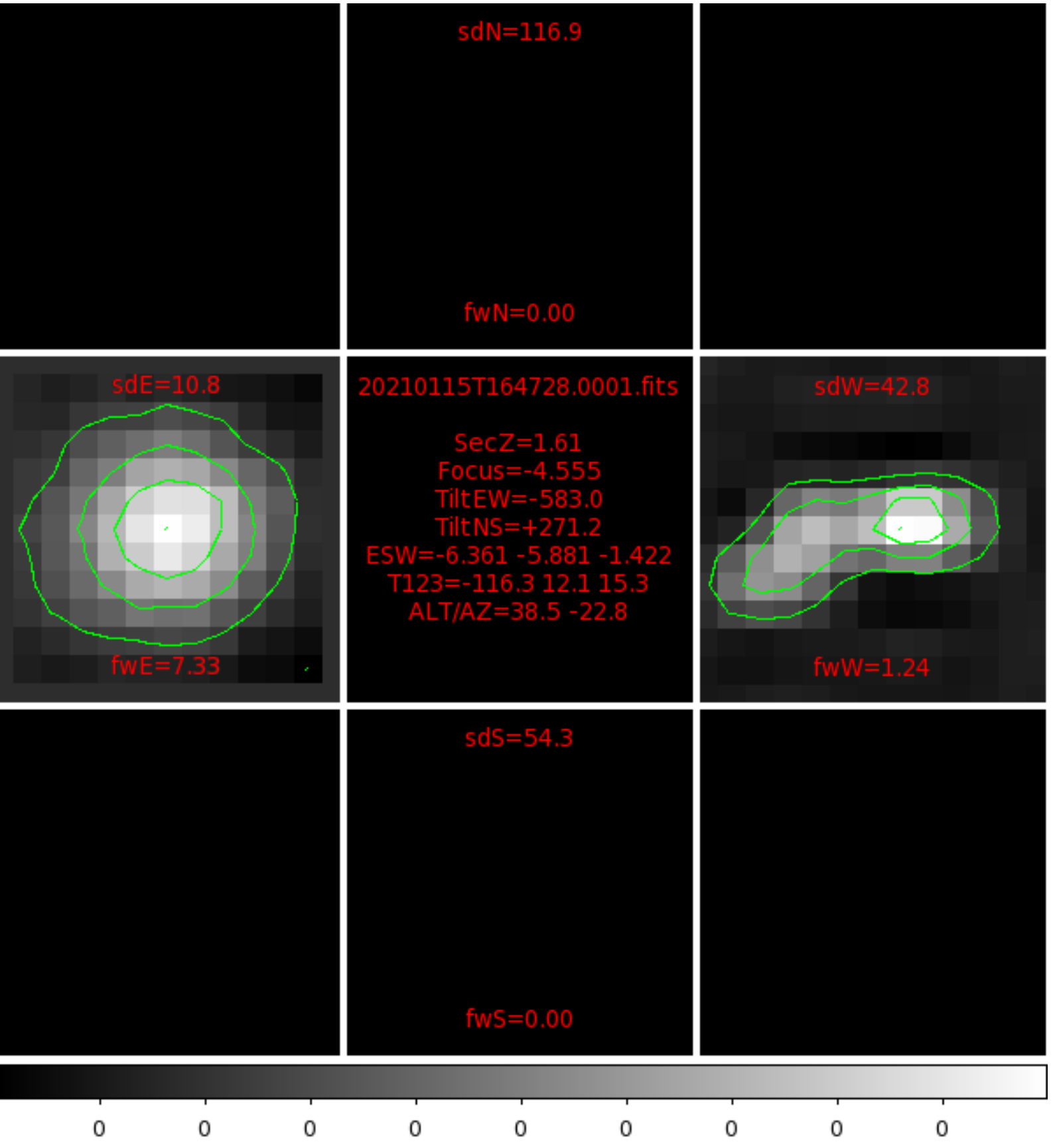
sdN=116.9
fwN=0.00
sdE=10.8
fwE=7.33
20210115T164728.0001.fits
SecZ=1.61
Focus=-4.555
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.361 -5.881 -1.422
T123=-116.3 12.1 15.3
ALT/AZ=38.5 -22.8
sdW=42.8
fwW=1.24
sdS=54.3
fwS=0.00
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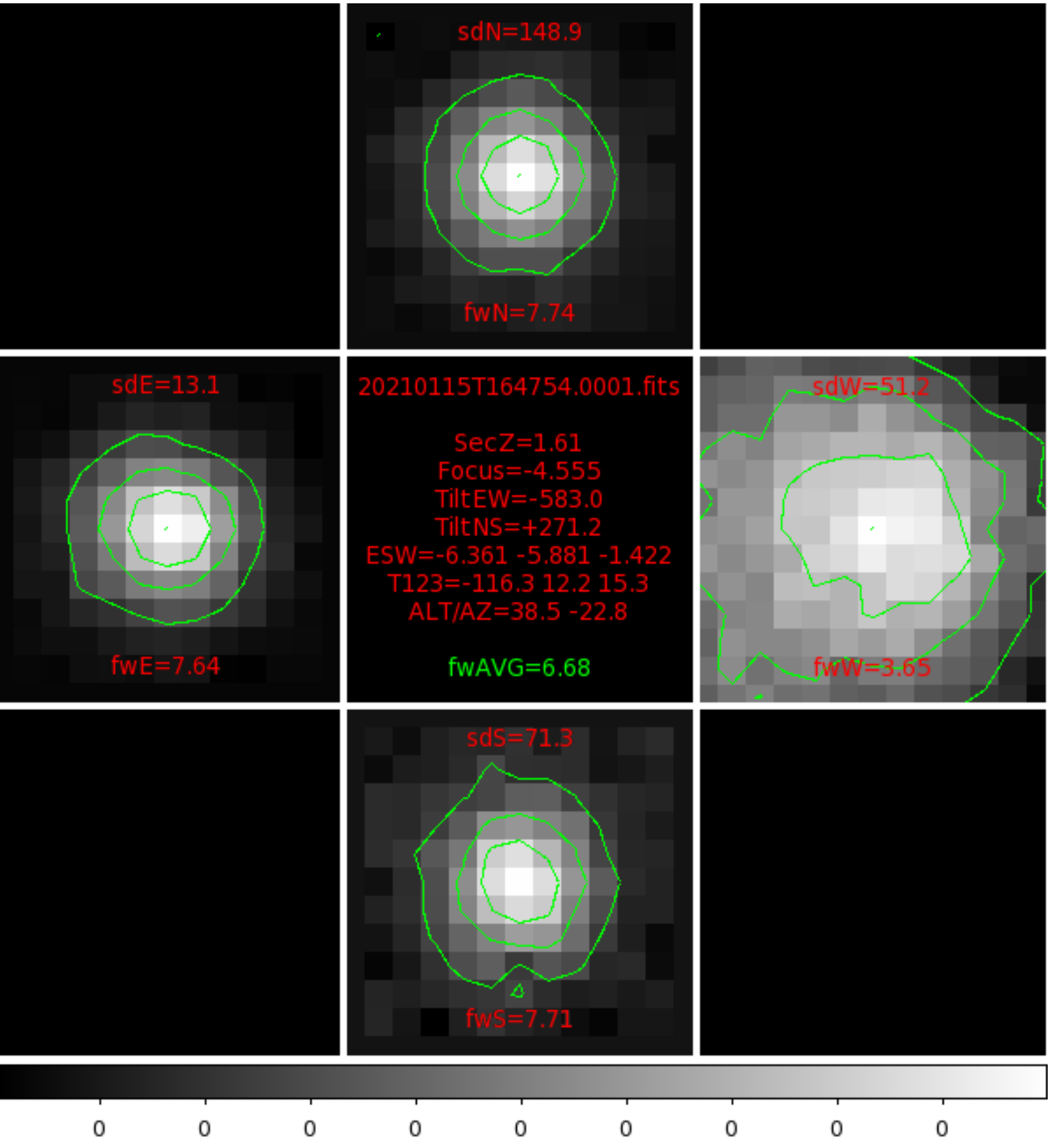
sdN=148.9
fwN=7.74
sdE=13.1
fwE=7.64
20210115T164754.0001.fits
SecZ=1.61
Focus=-4.555
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.361 -5.881 -1.422
T123=-116.3 12.2 15.3
ALT/AZ=38.5 -22.8
fwAVG=6.68
sdW=51.2
fwW=3.65
sdS=71.3
fwS=7.71
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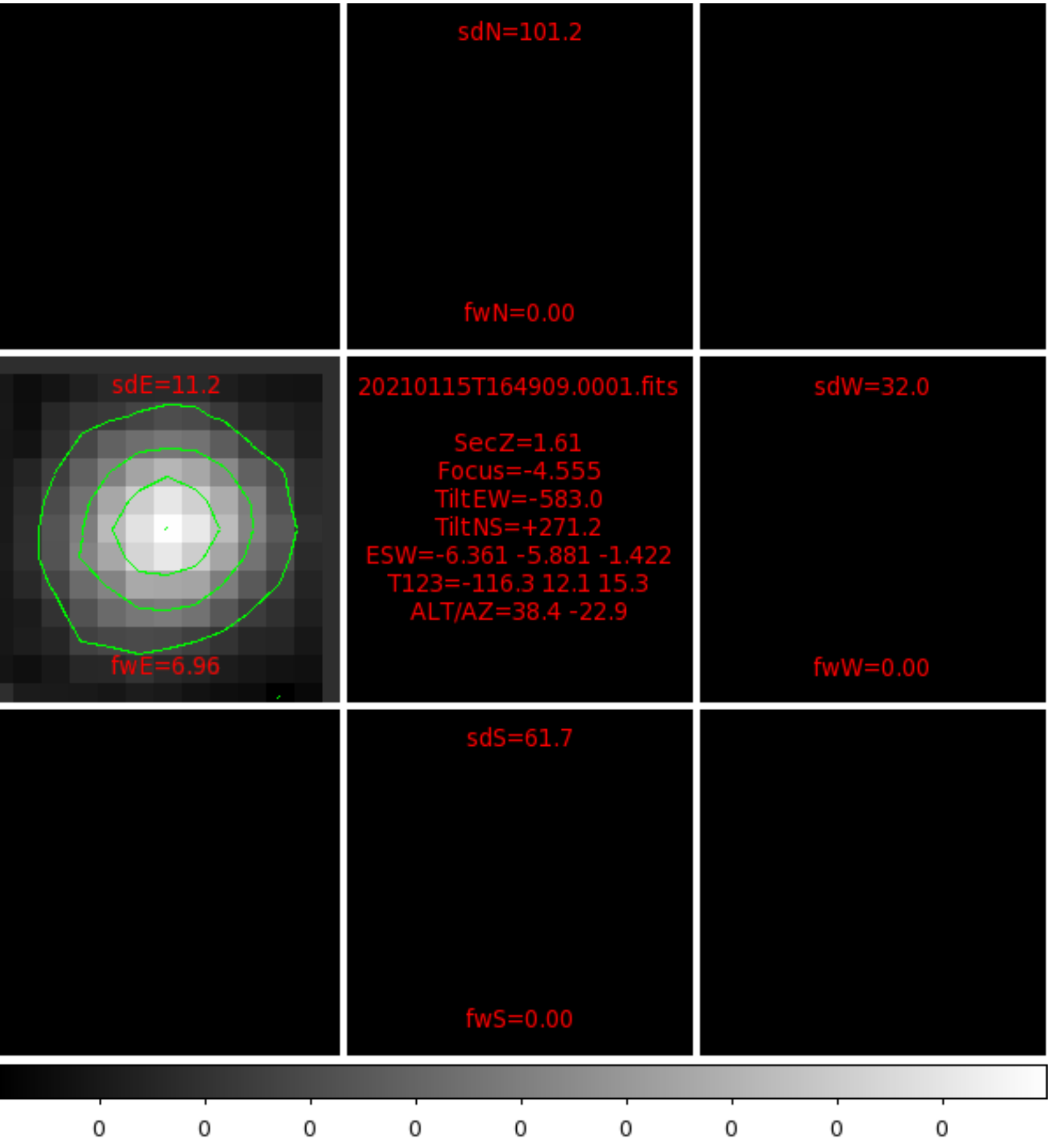
sdN=101.2
fwN=0.00
sdE=11.2
fwE=6.96
20210115T164909.0001.fits
SecZ=1.61
Focus=-4.555
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.361 -5.881 -1.422
T123=-116.3 12.1 15.3
ALT/AZ=38.4 -22.9
sdW=32.0
fwW=0.00
sdS=61.7
fwS=0.00
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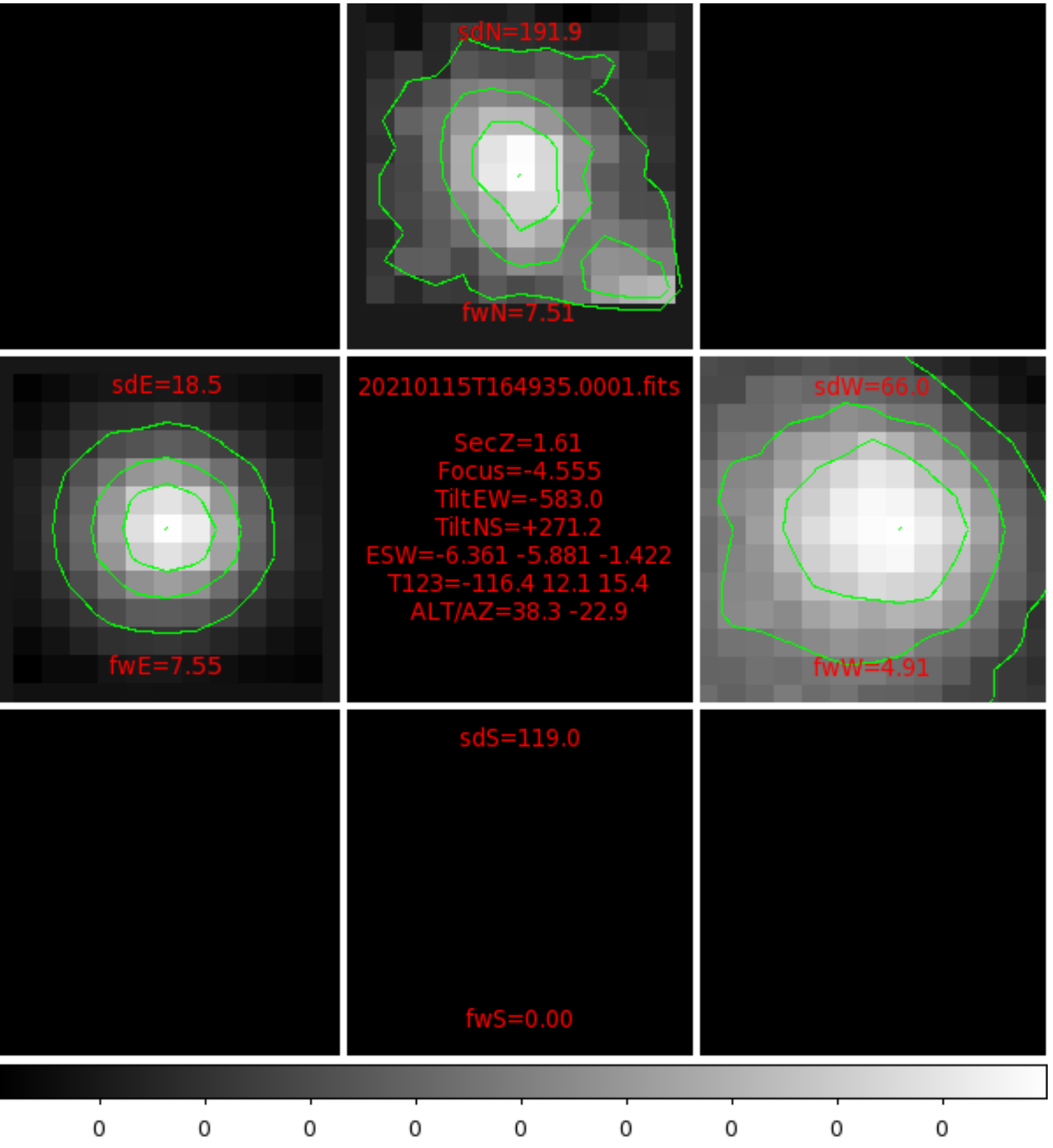
sdN=191.9
fwN=7.51
sdE=18.5
fwE=7.55
20210115T164935.0001.fits
SecZ=1.61
Focus=-4.555
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.361 -5.881 -1.422
T123=-116.4 12.1 15.4
ALT/AZ=38.3 -22.9
sdW=66.0
fwW=4.91
sdS=119.0
fwS=0.00
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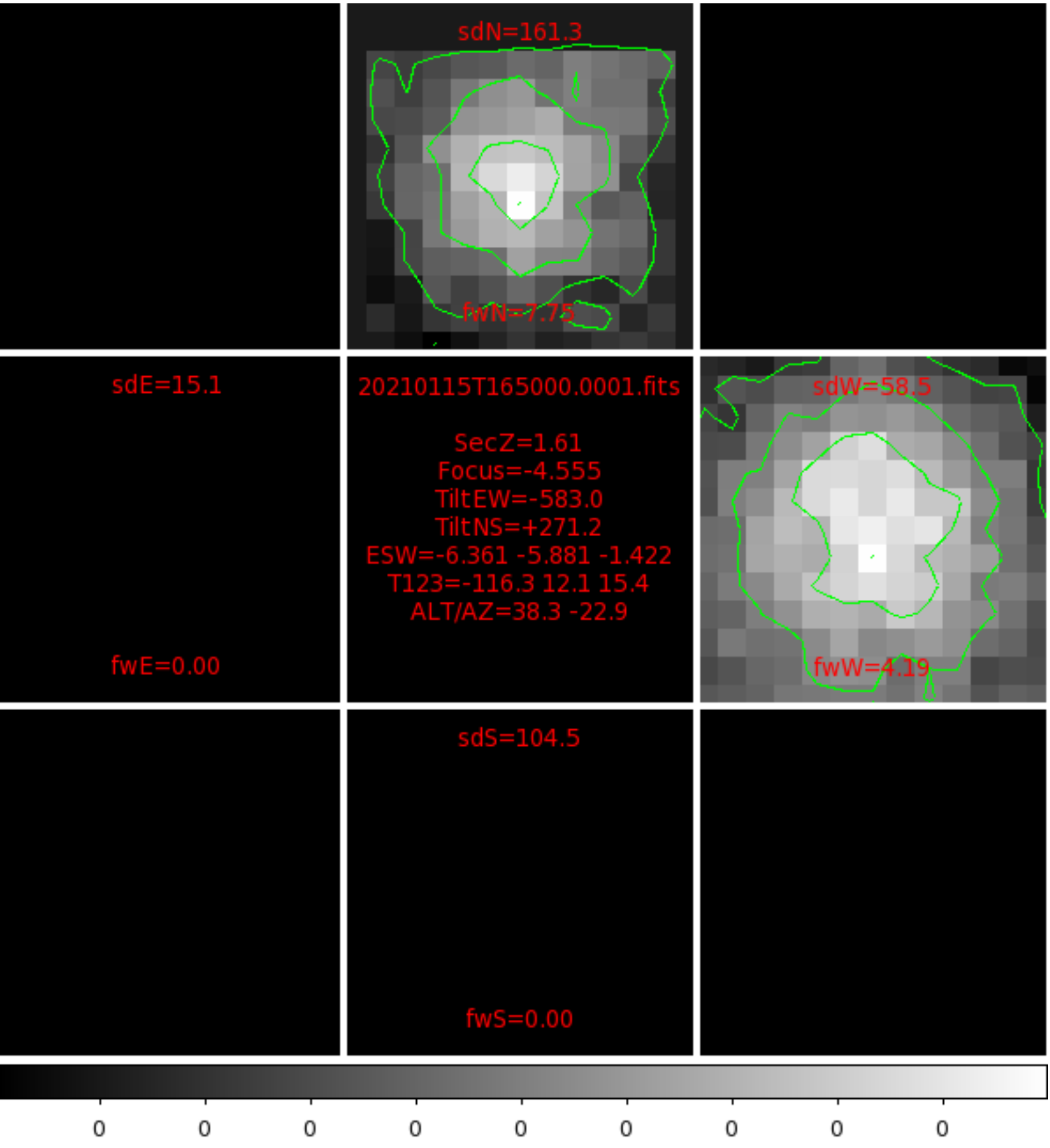
sdN=161.3
fwN=7.75
sdE=15.1
fwE=0.00
20210115T165000.0001.fits
SecZ=1.61
Focus=-4.555
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.361 -5.881 -1.422
T123=-116.3 12.1 15.4
ALT/AZ=38.3 -22.9
sdW=58.5
fwW=4.19
sdS=104.5
fwS=0.00
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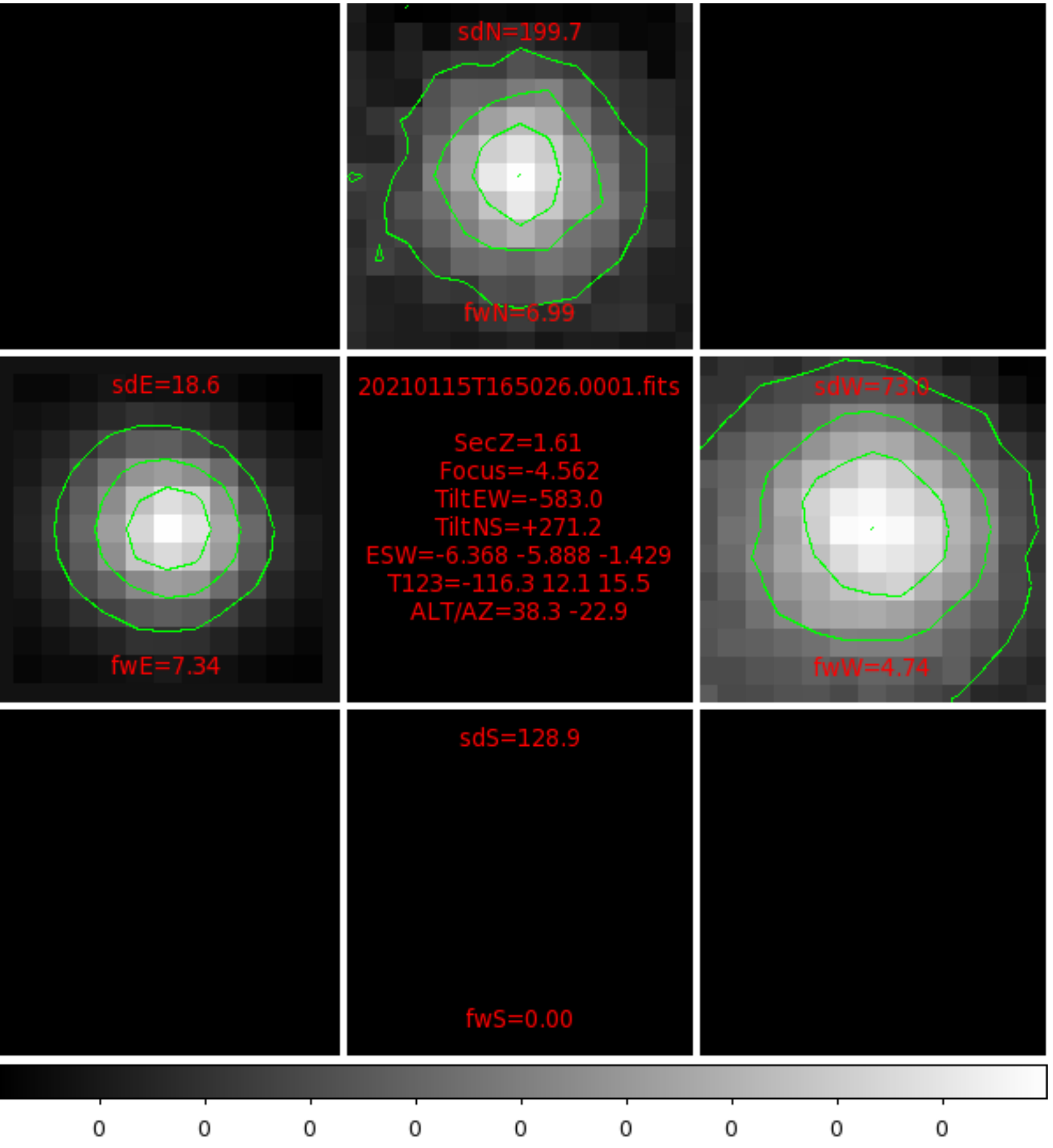
sdN=199.7
fwN=6.99
sdE=18.6
fwE=7.34
20210115T165026.0001.fits
SecZ=1.61
Focus=-4.562
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.368 -5.888 -1.429
T123=-116.3 12.1 15.5
ALT/AZ=38.3 -22.9
sdW=73.0
fwW=4.74
sdS=128.9
fwS=0.00
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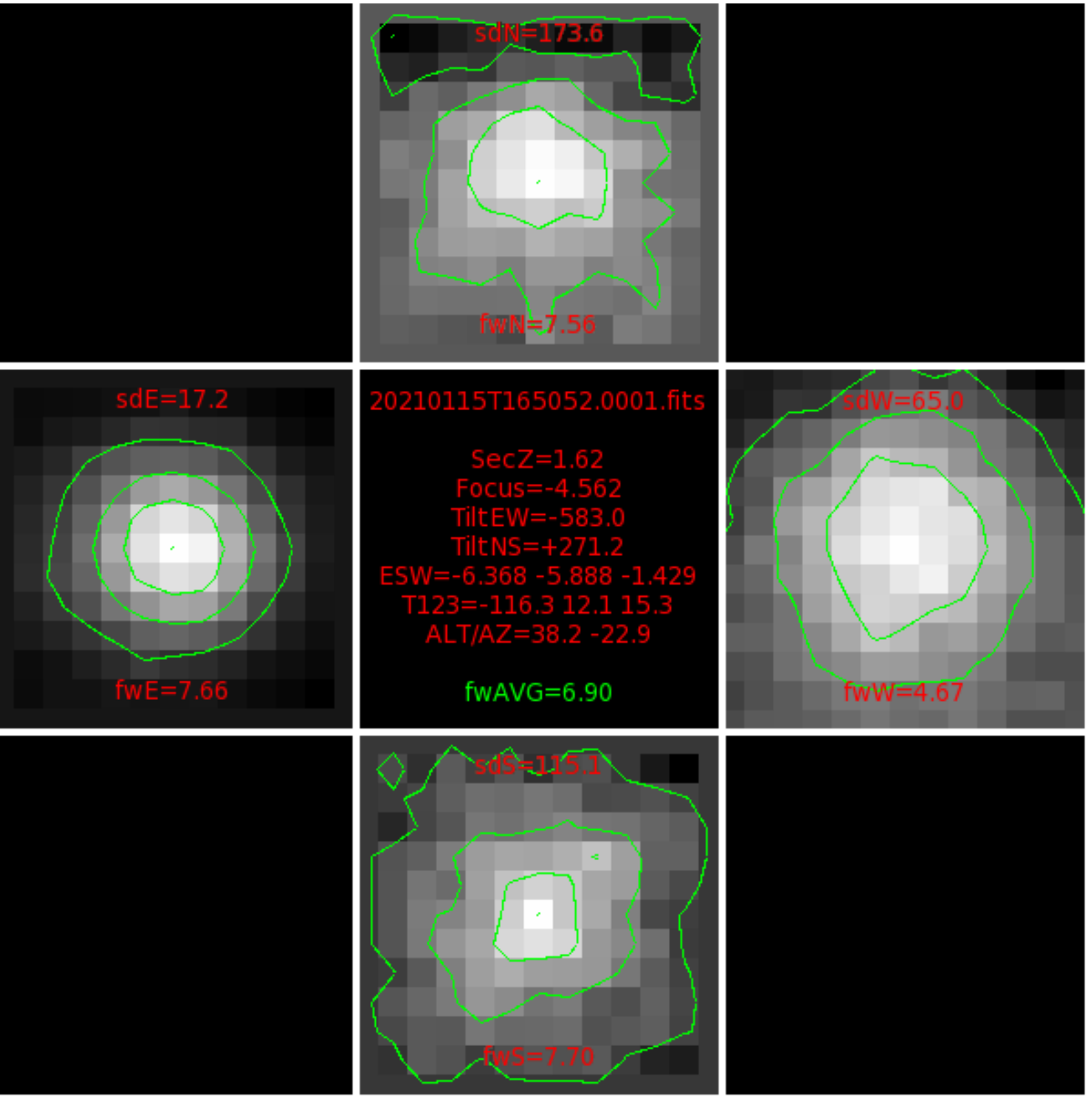
sdN=173.6
fwN=7.56
sdE=17.2
fwE=7.66
20210115T165052.0001.fits
SecZ=1.62
Focus=-4.562
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.368 -5.888 -1.429
T123=-116.3 12.1 15.3
ALT/AZ=38.2 -22.9
fwAVG=6.90
sdW=65.0
fwW=4.67
sdS=115.1
fwS=7.70
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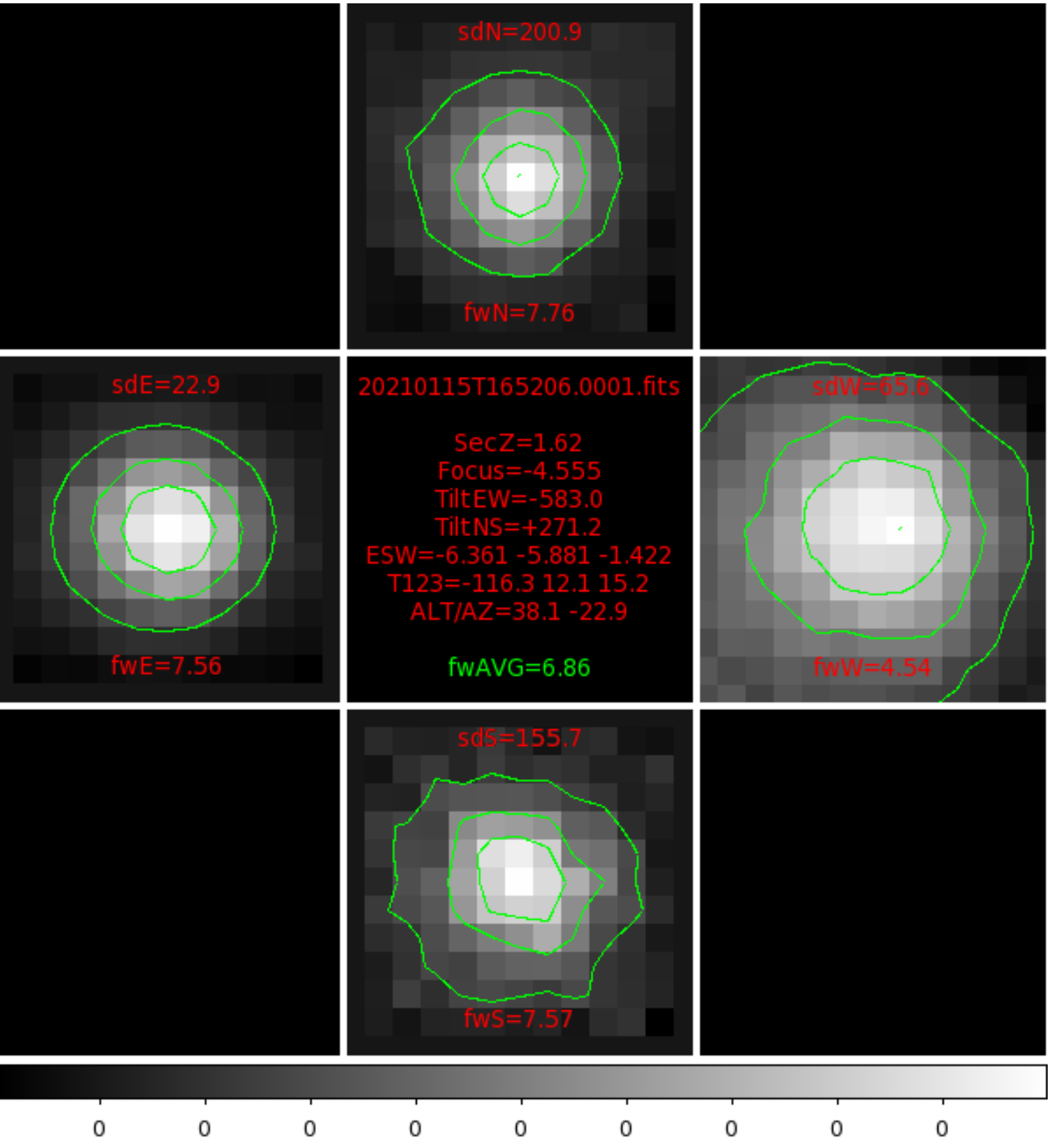
sdN=200.9
fwN=7.76
sdE=22.9
fwE=7.56
20210115T165206.0001.fits
SecZ=1.62
Focus=-4.555
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.361 -5.881 -1.422
T123=-116.3 12.1 15.2
ALT/AZ=38.1 -22.9
fwAVG=6.86
sdW=65.6
fwW=4.54
sdS=155.7
fwS=7.57
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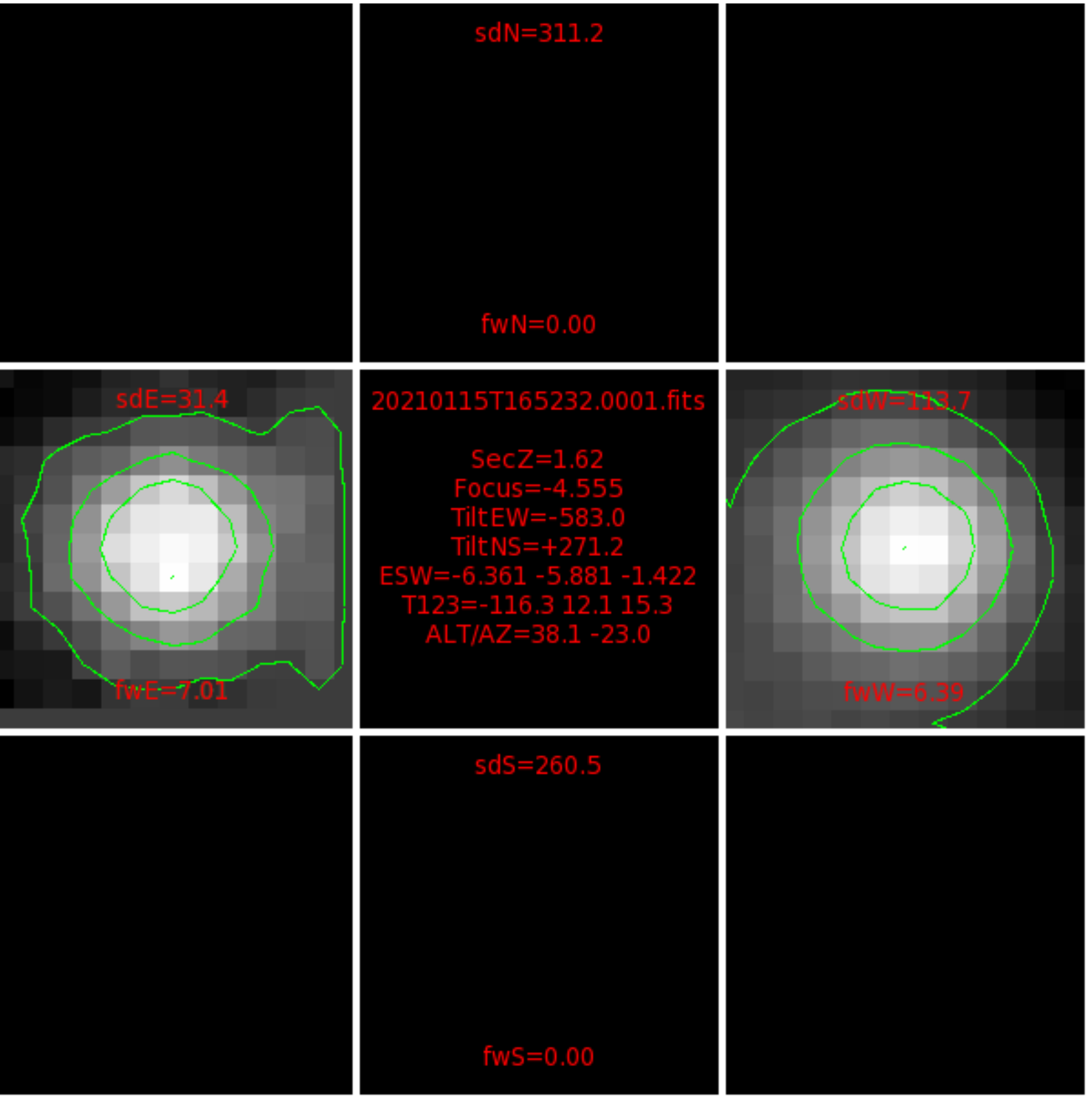
sdN=311.2
fwN=0.00
sdE=31.4
fwE=7.01
20210115T165232.0001.fits
SecZ=1.62
Focus=-4.555
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.361 -5.881 -1.422
T123=-116.3 12.1 15.3
ALT/AZ=38.1 -23.0
sdW=113.7
fwW=6.39
sdS=260.5
fwS=0.00
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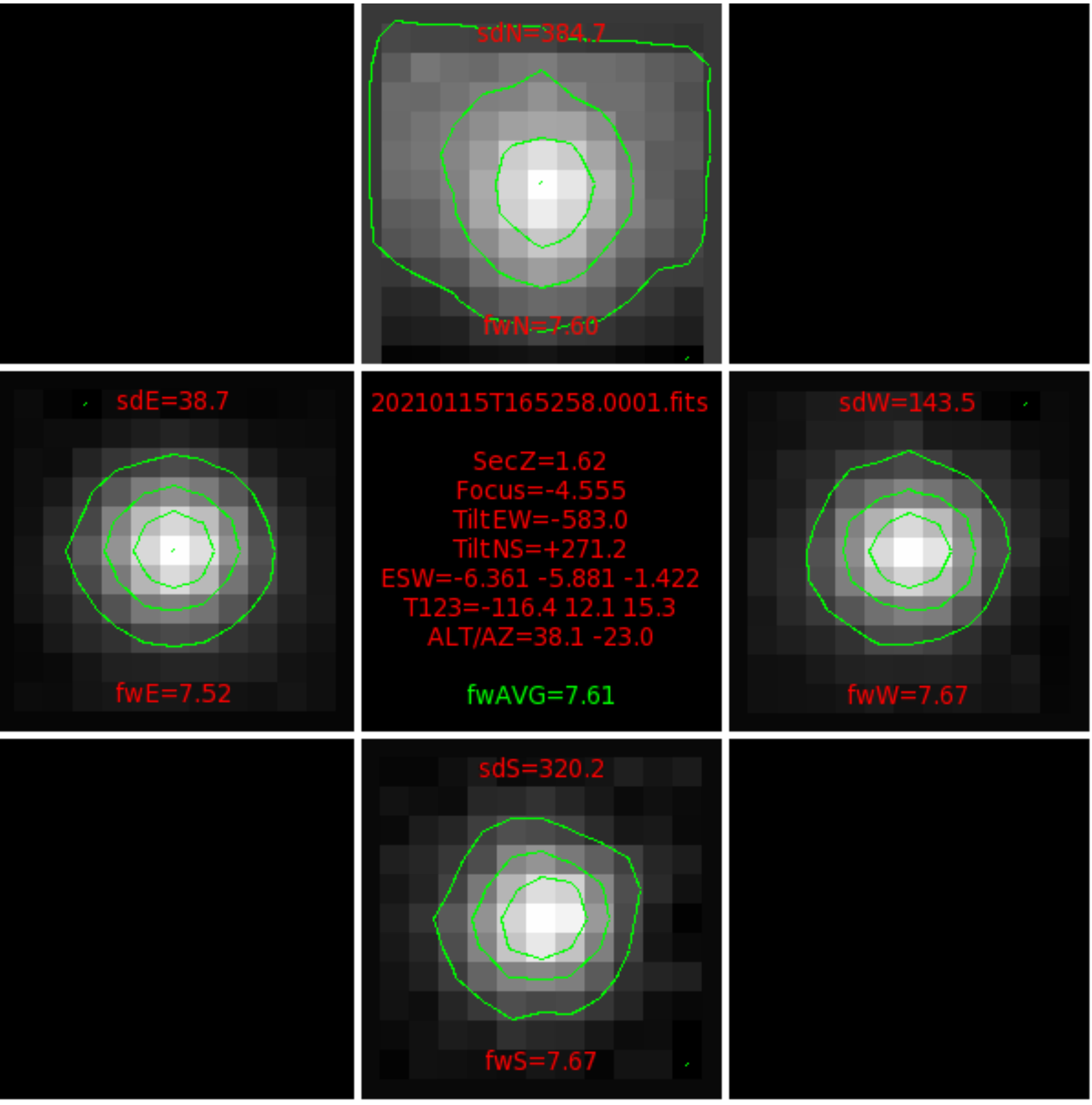
sdN=384.7
fwN=7.60
sdE=38.7
fwE=7.52
20210115T165258.0001.fits
SecZ=1.62
Focus=-4.555
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.361 -5.881 -1.422
T123=-116.4 12.1 15.3
ALT/AZ=38.1 -23.0
fwAVG=7.61
sdW=143.5
fwW=7.67
sdS=320.2
fwS=7.67
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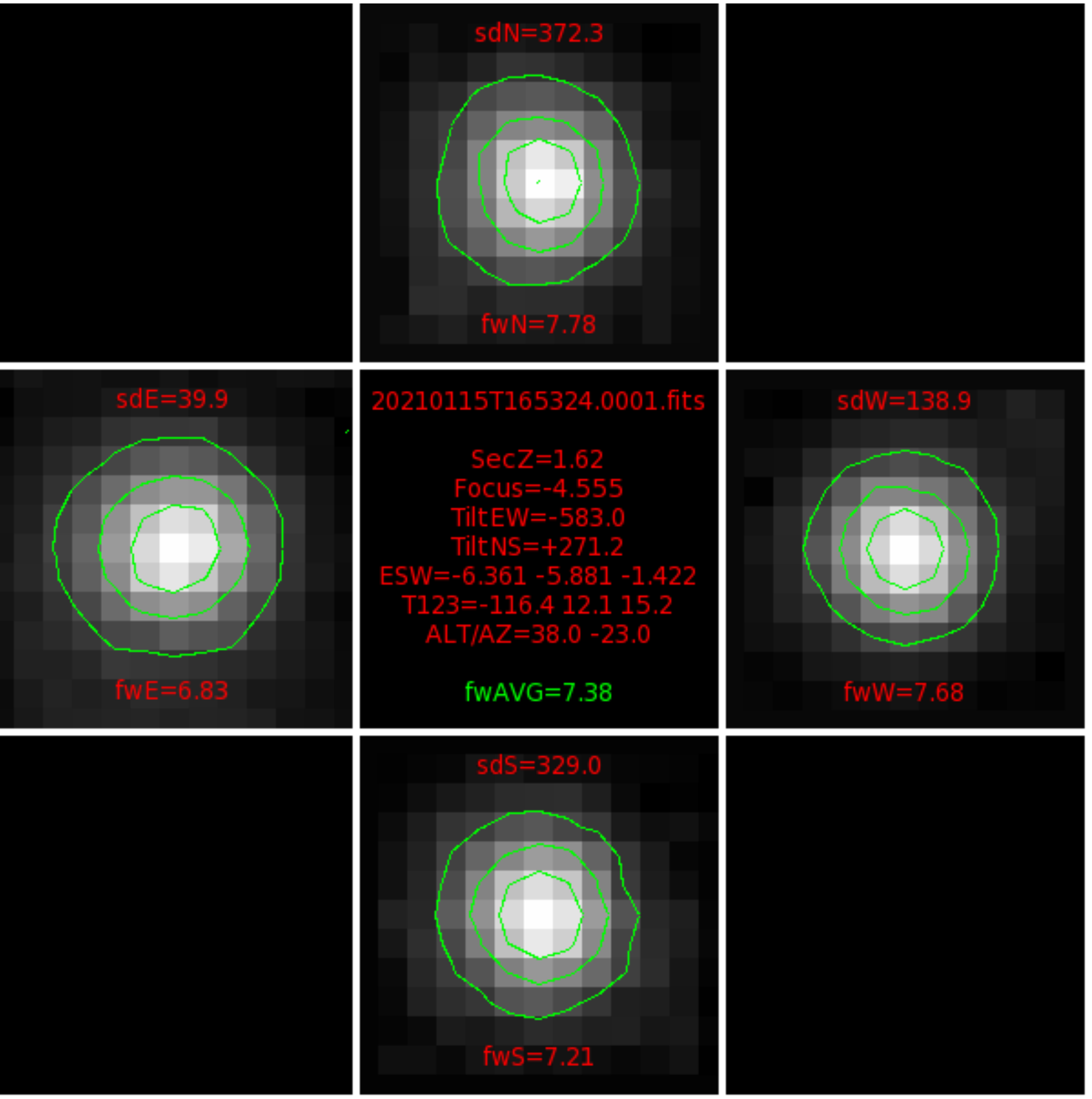
sdN=372.3
fwN=7.78
sdE=39.9
fwE=6.83
20210115T165324.0001.fits
SecZ=1.62
Focus=-4.555
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.361 -5.881 -1.422
T123=-116.4 12.1 15.2
ALT/AZ=38.0 -23.0
fwAVG=7.38
sdW=138.9
fwW=7.68
sdS=329.0
fwS=7.21
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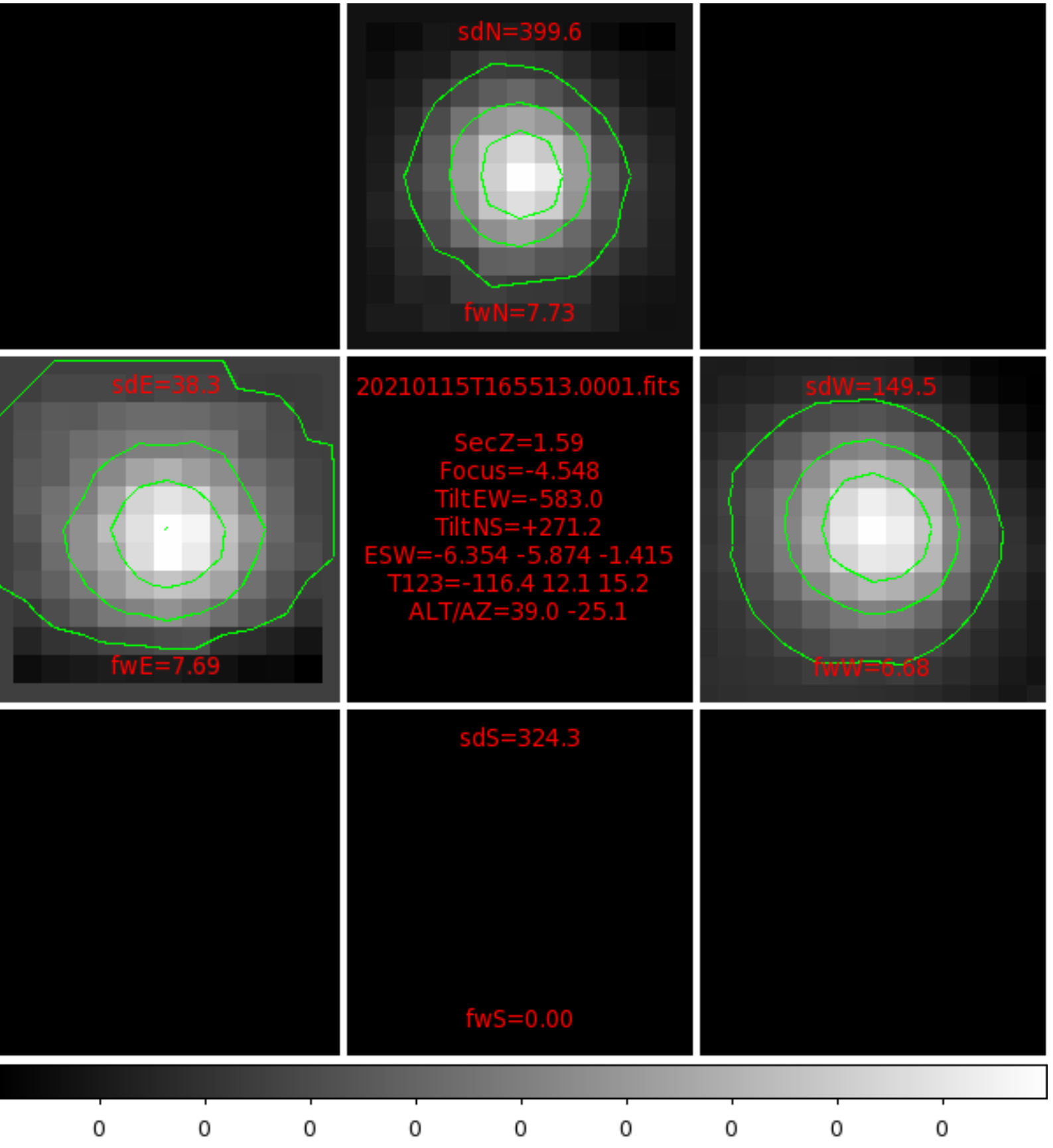
sdN=399.6
fwN=7.73
sdE=38.3
fwE=7.69
20210115T165513.0001.fits
SecZ=1.59
Focus=-4.548
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.354 -5.874 -1.415
T123=-116.4 12.1 15.2
ALT/AZ=39.0 -25.1
sdW=149.5
fwW=6.68
sdS=324.3
fwS=0.00
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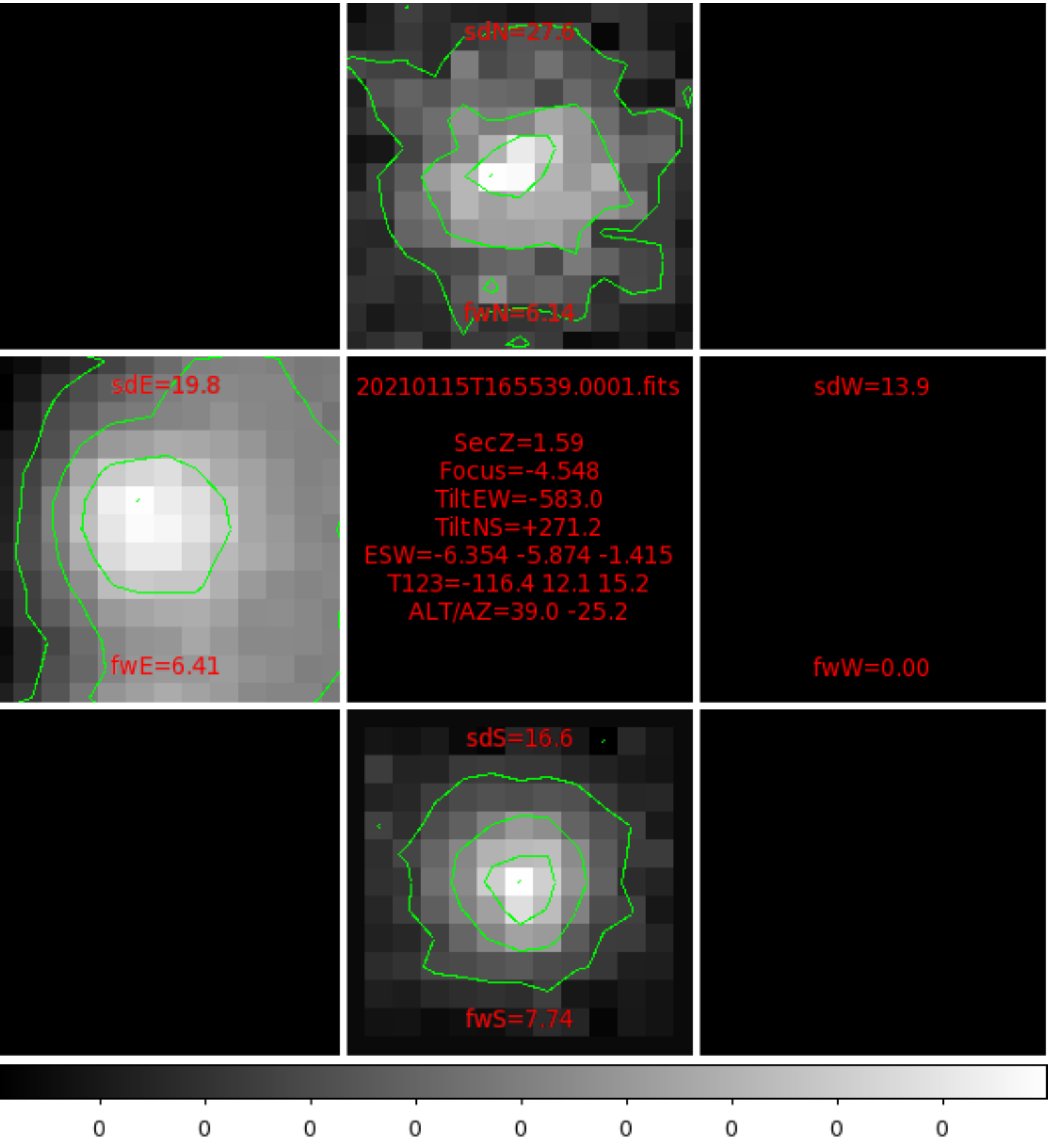
sdN=27.6
fwN=6.14
sdE=19.8
fwE=6.41
20210115T165539.0001.fits
SecZ=1.59
Focus=-4.548
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.354 -5.874 -1.415
T123=-116.4 12.1 15.2
ALT/AZ=39.0 -25.2
sdW=13.9
fwW=0.00
sdS=16.6
fwS=7.74
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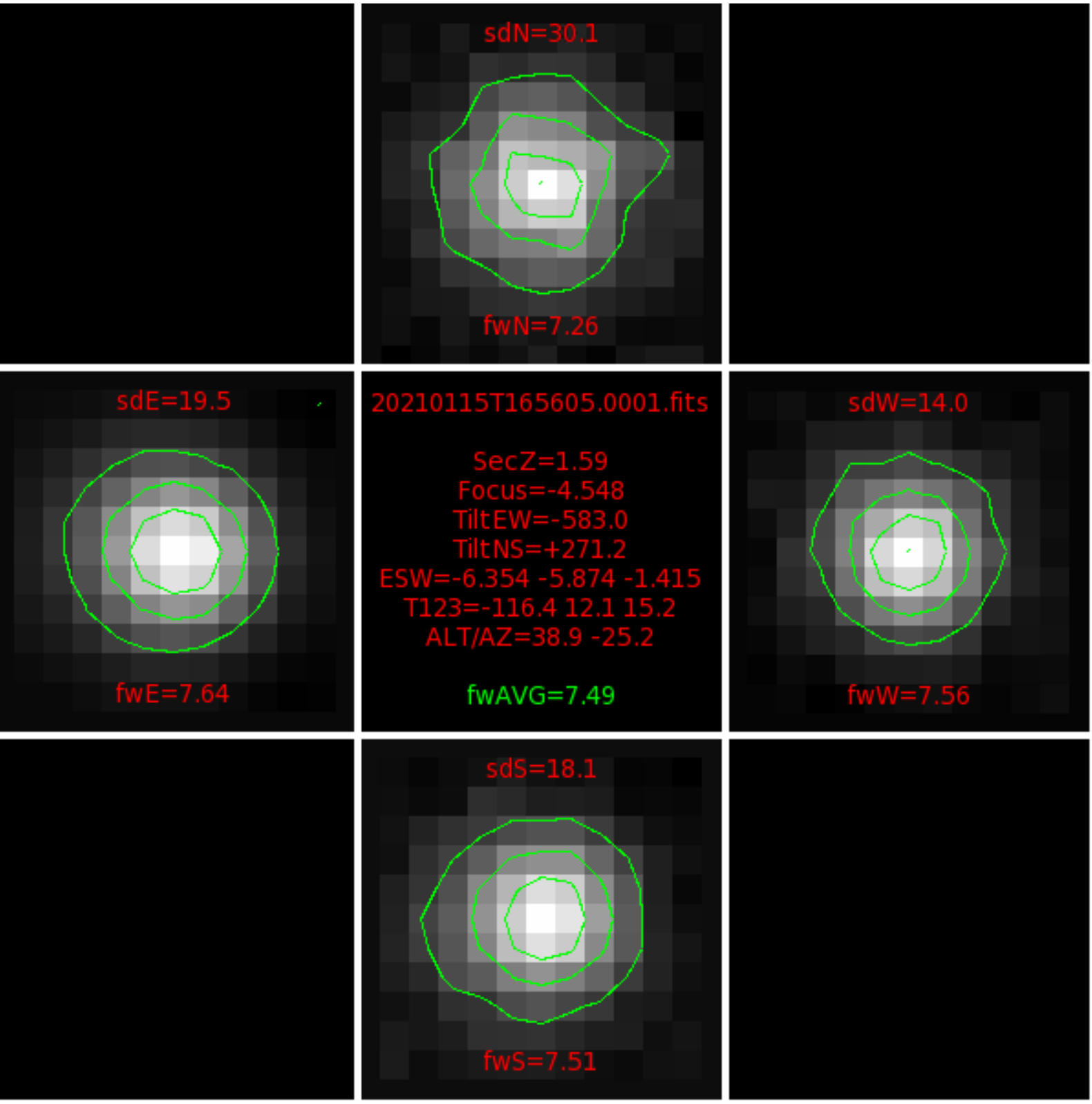
sdN=30.1
fwN=7.26
sdE=19.5
fwE=7.64
20210115T165605.0001.fits
SecZ=1.59
Focus=-4.548
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.354 -5.874 -1.415
T123=-116.4 12.1 15.2
ALT/AZ=38.9 -25.2
fwAVG=7.49
sdW=14.0
fwW=7.56
sdS=18.1
fwS=7.51
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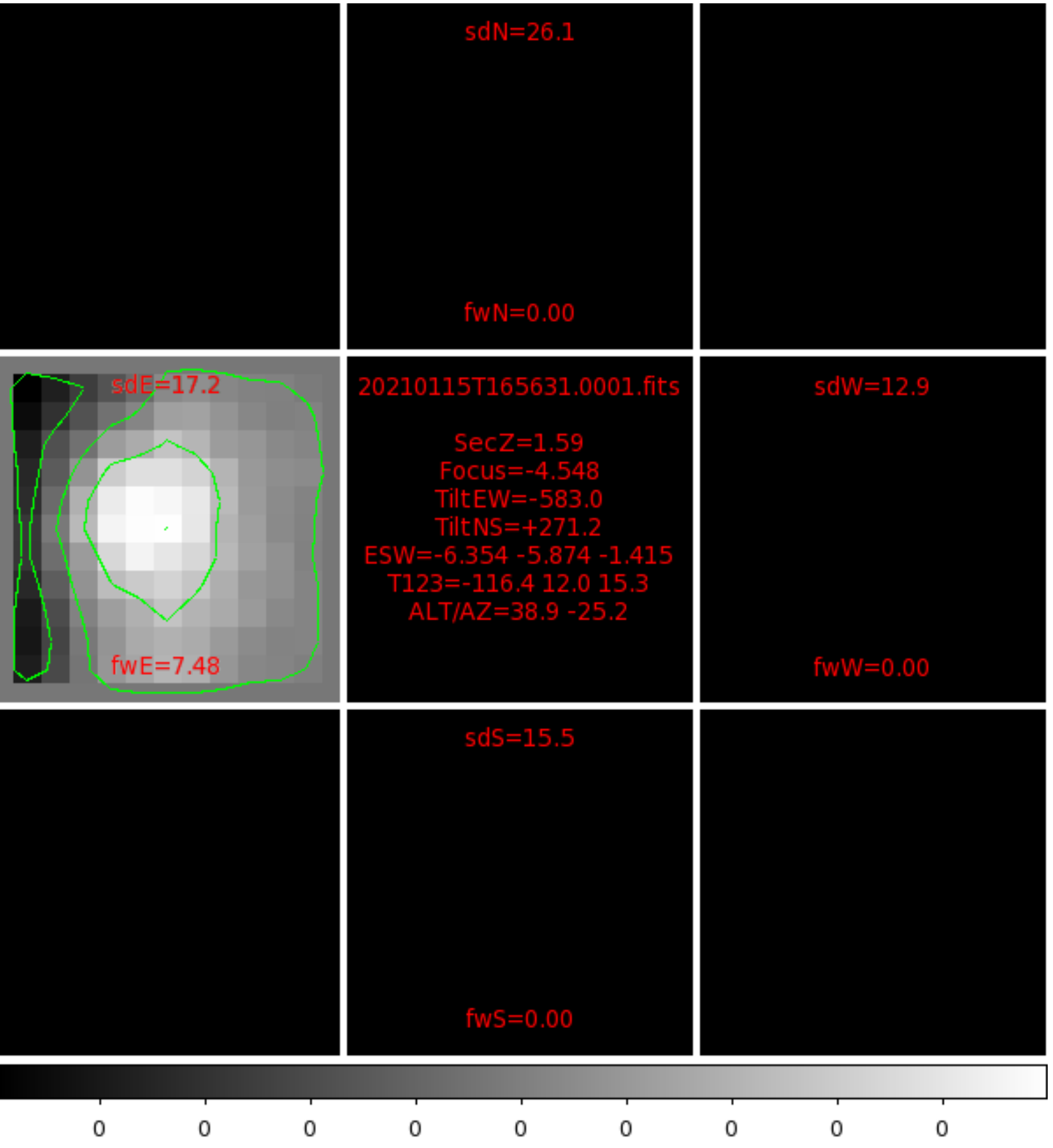
sdN=26.1
fwN=0.00
sdE=17.2
fwE=7.48
20210115T165631.0001.fits
SecZ=1.59
Focus=-4.548
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.354 -5.874 -1.415
T123=-116.4 12.0 15.3
ALT/AZ=38.9 -25.2
sdW=12.9
fwW=0.00
sdS=15.5
fwS=0.00
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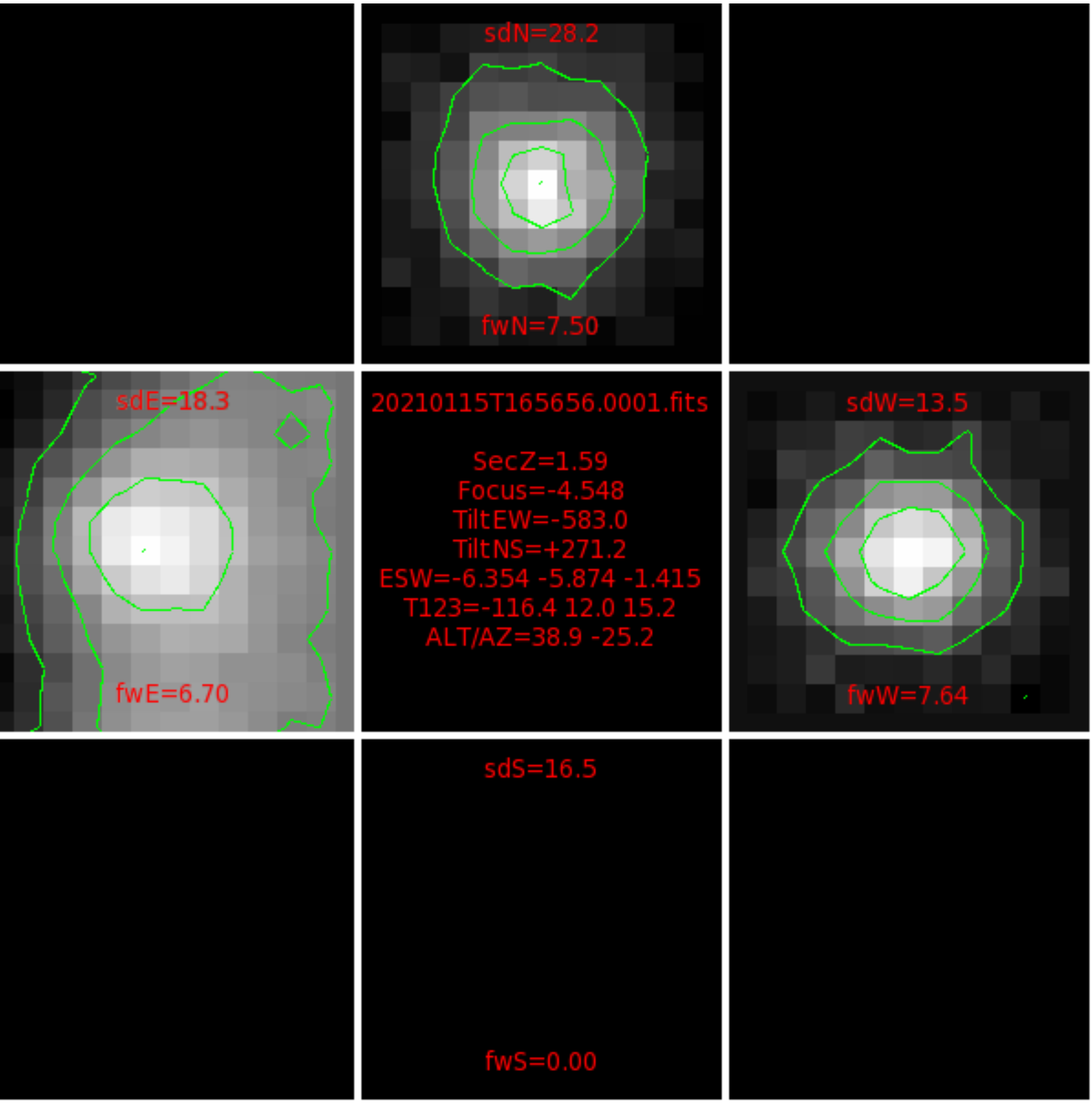
sdN=28.2
fwN=7.50
sdE=18.3
fwE=6.70
20210115T165656.0001.fits
SecZ=1.59
Focus=-4.548
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.354 -5.874 -1.415
T123=-116.4 12.0 15.2
ALT/AZ=38.9 -25.2
sdW=13.5
fwW=7.64
sdS=16.5
fwS=0.00
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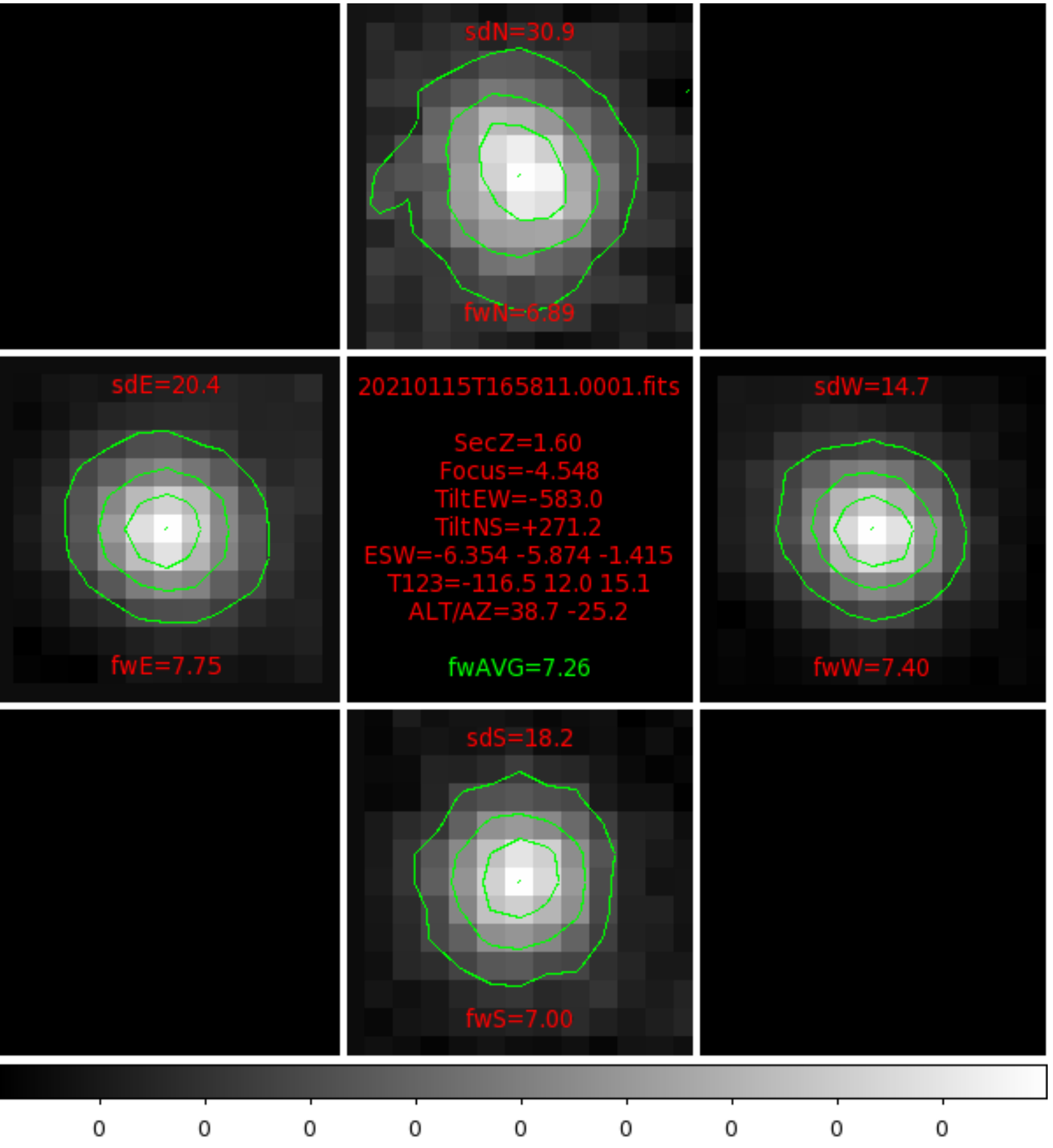
sdN=30.9
fwN=6.89
sdE=20.4
fwE=7.75
20210115T165811.0001.fits
SecZ=1.60
Focus=-4.548
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.354 -5.874 -1.415
T123=-116.5 12.0 15.1
ALT/AZ=38.7 -25.2
fwAVG=7.26
sdW=14.7
fwW=7.40
sdS=18.2
fwS=7.00
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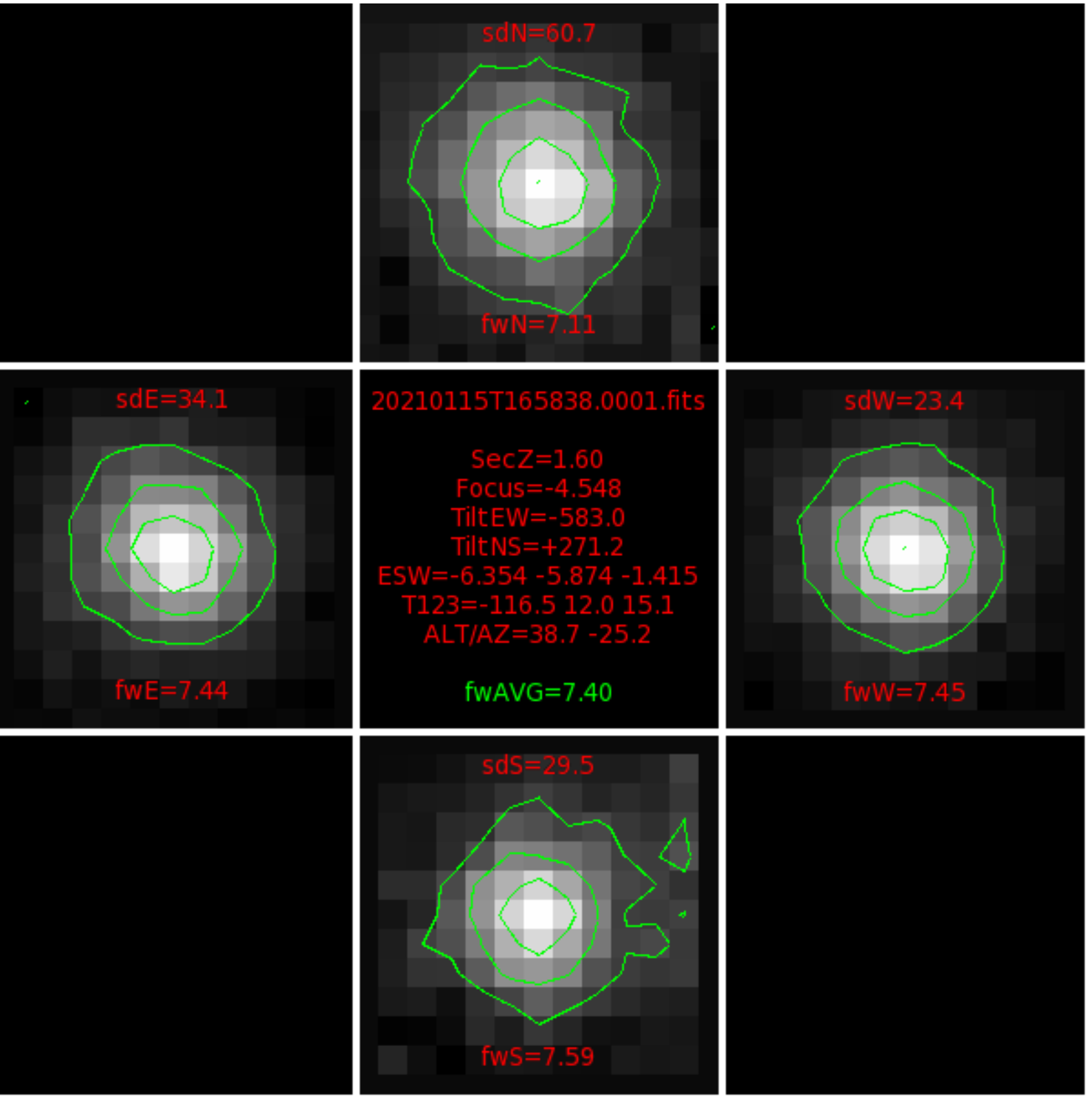
sdN=60.7
fwN=7.11
sdE=34.1
fwE=7.44
20210115T165838.0001.fits
SecZ=1.60
Focus=-4.548
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.354 -5.874 -1.415
T123=-116.5 12.0 15.1
ALT/AZ=38.7 -25.2
fwAVG=7.40
sdW=23.4
fwW=7.45
sdS=29.5
fwS=7.59
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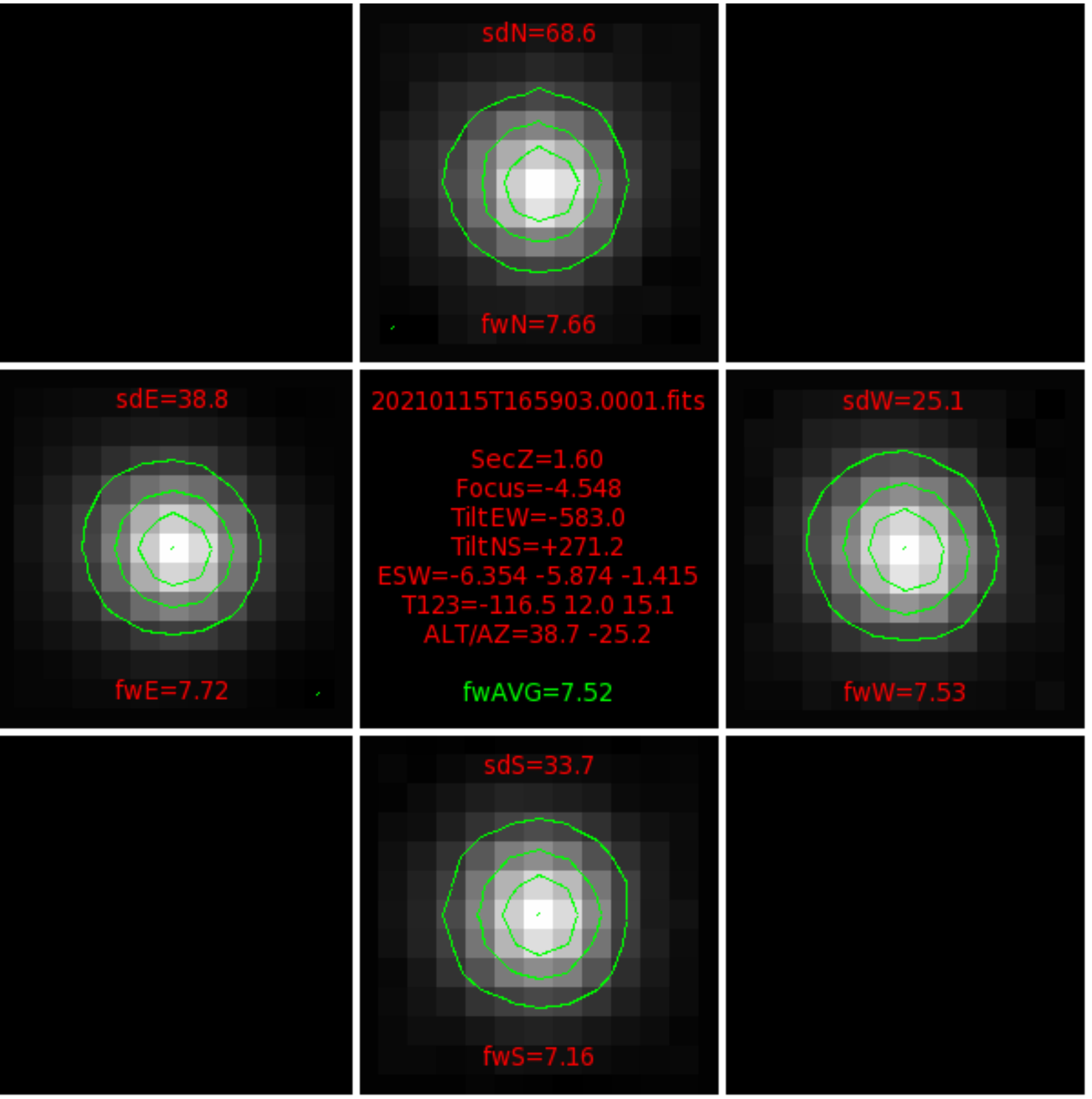
sdN=68.6
fwN=7.66
sdE=38.8
fwE=7.72
20210115T165903.0001.fits
SecZ=1.60
Focus=-4.548
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.354 -5.874 -1.415
T123=-116.5 12.0 15.1
ALT/AZ=38.7 -25.2
fwAVG=7.52
sdW=25.1
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sdS=33.7
fwS=7.16
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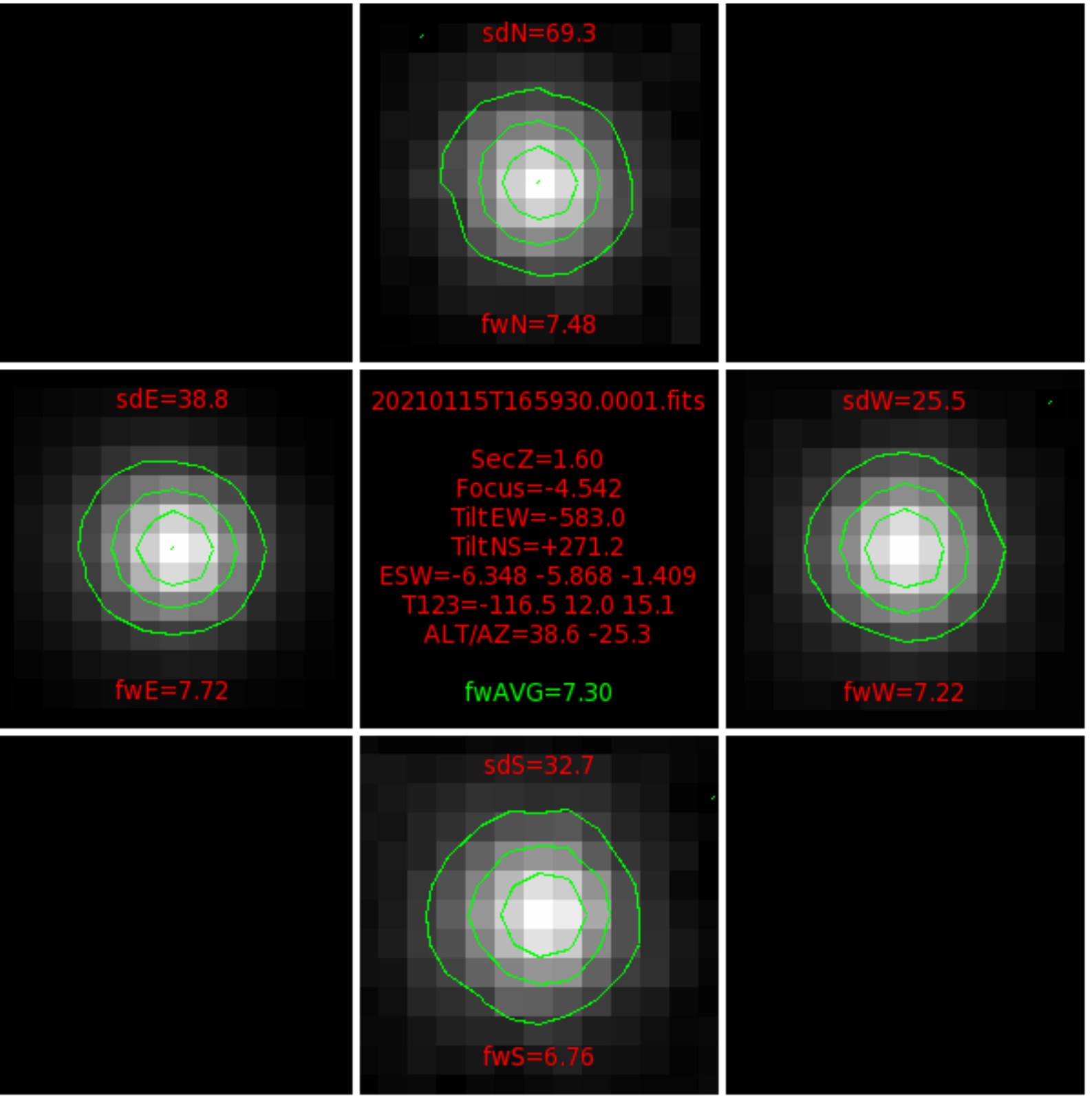
sdN=69.3
fwN=7.48
sdE=38.8
fwE=7.72
20210115T165930.0001.fits
SecZ=1.60
Focus=-4.542
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.348 -5.868 -1.409
T123=-116.5 12.0 15.1
ALT/AZ=38.6 -25.3
fwAVG=7.30
sdW=25.5
fwW=7.22
sdS=32.7
fwS=6.76
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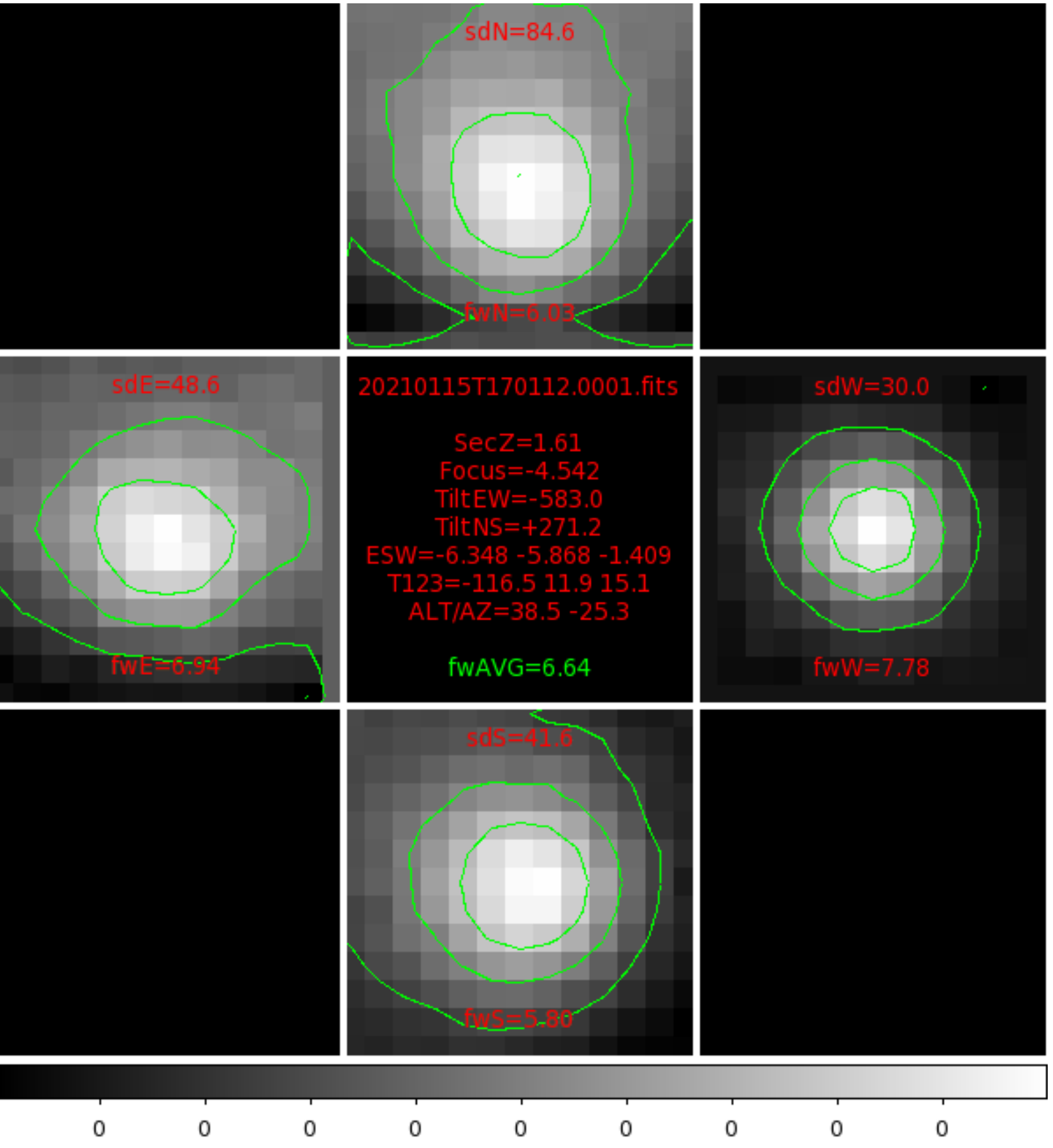
sdN=84.6
fwN=6.03
sdE=48.6
fwE=6.94
20210115T170112.0001.fits
SecZ=1.61
Focus=-4.542
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.348 -5.868 -1.409
T123=-116.5 11.9 15.1
ALT/AZ=38.5 -25.3
fwAVG=6.64
sdW=30.0
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sdS=41.6
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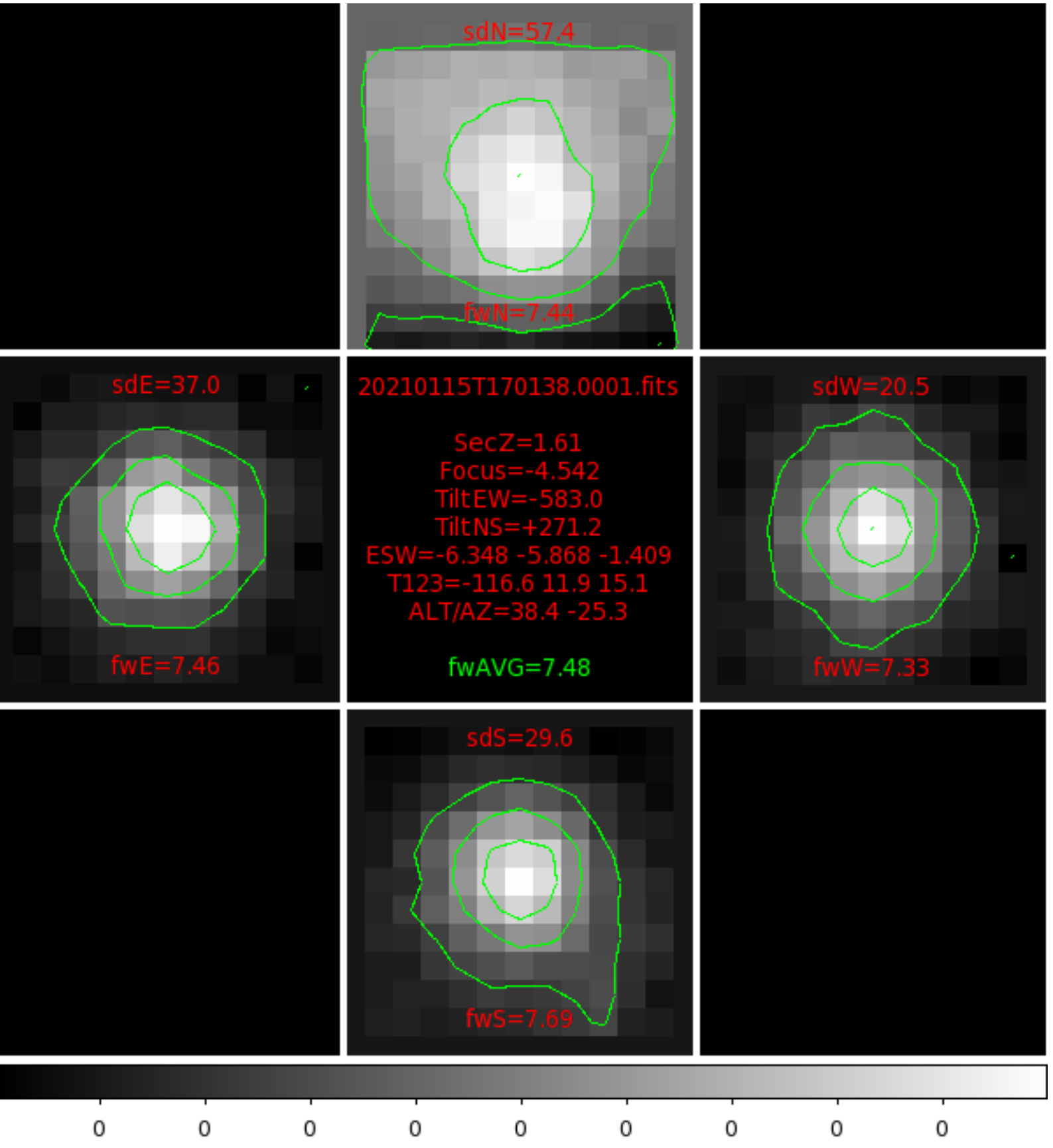
sdN=57.4
fwN=7.44
sdE=37.0
fwE=7.46
20210115T170138.0001.fits
SecZ=1.61
Focus=-4.542
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.348 -5.868 -1.409
T123=-116.6 11.9 15.1
ALT/AZ=38.4 -25.3
fwAVG=7.48
sdW=20.5
fwW=7.33
sdS=29.6
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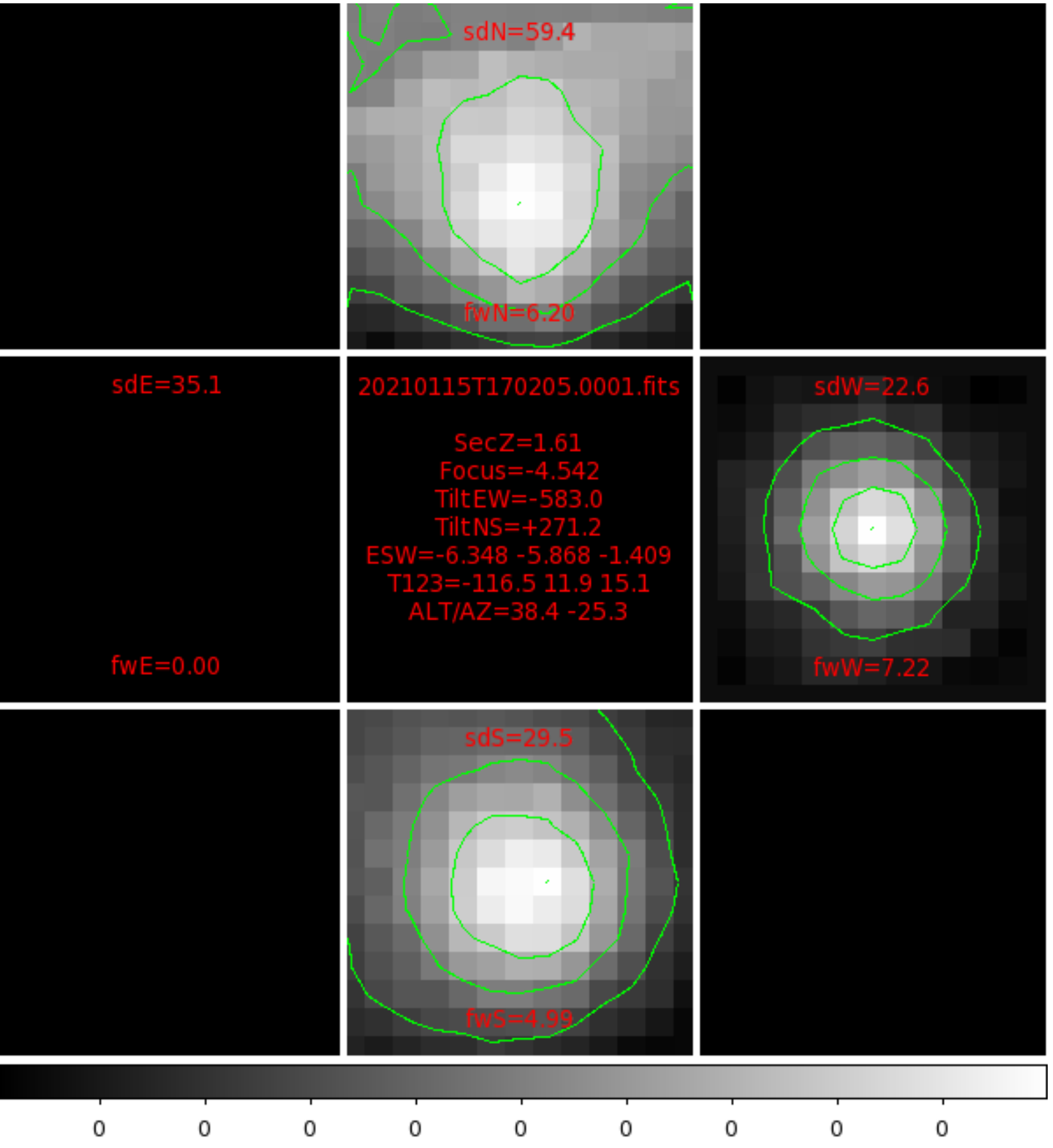
sdN=59.4
fwN=6.20
sdE=35.1
fwE=0.00
20210115T170205.0001.fits
SecZ=1.61
Focus=-4.542
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.348 -5.868 -1.409
T123=-116.5 11.9 15.1
ALT/AZ=38.4 -25.3
sdW=22.6
fwW=7.22
sdS=29.5
fwS=4.99
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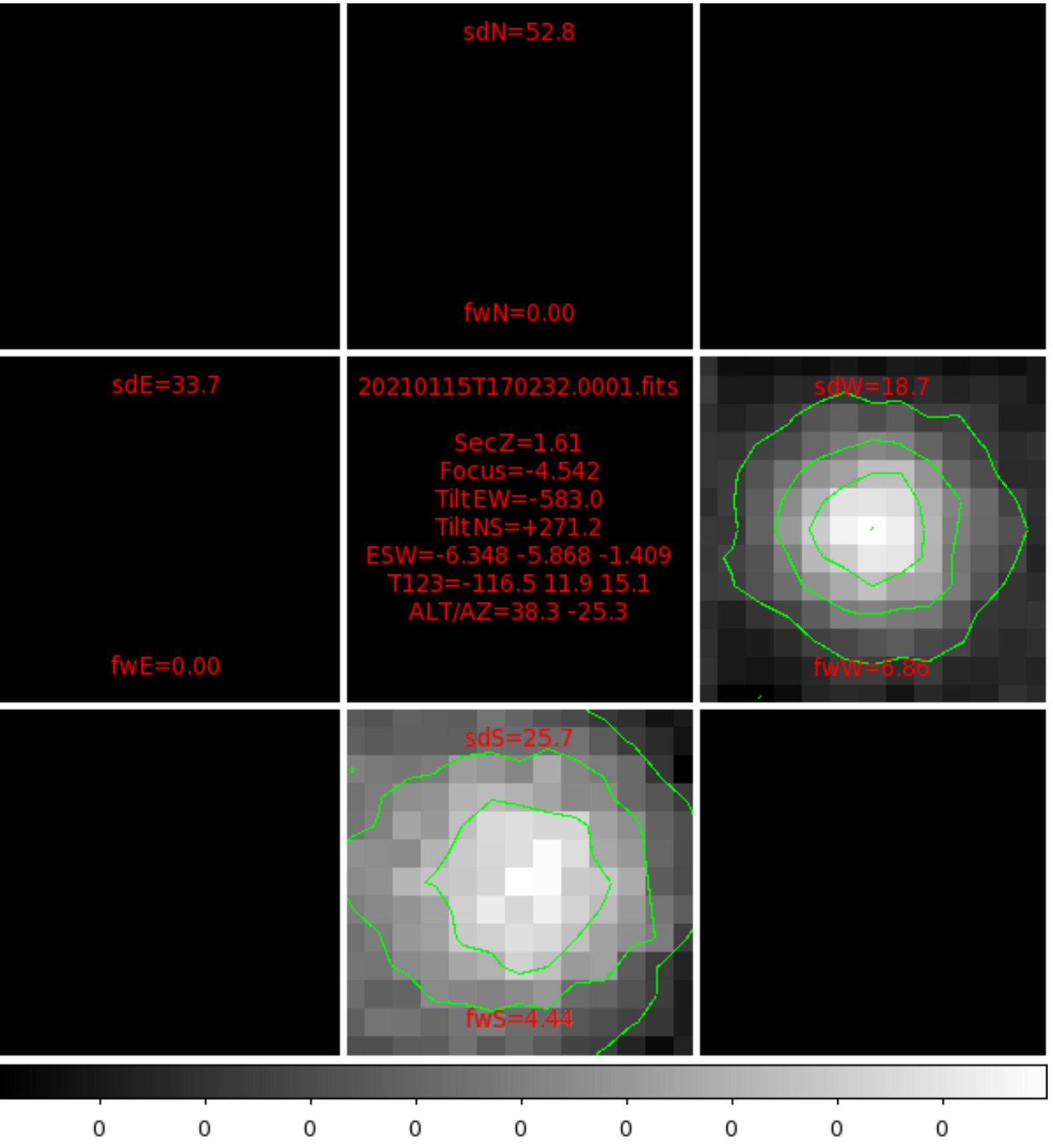
sdN=52.8
fwN=0.00
sdE=33.7
20210115T170232.0001.fits
SecZ=1.61
Focus=-4.542
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.348 -5.868 -1.409
T123=-116.5 11.9 15.1
ALT/AZ=38.3 -25.3
fwE=0.00
sdW=18.7
fwW=6.86
sdS=25.7
fwS=4.44
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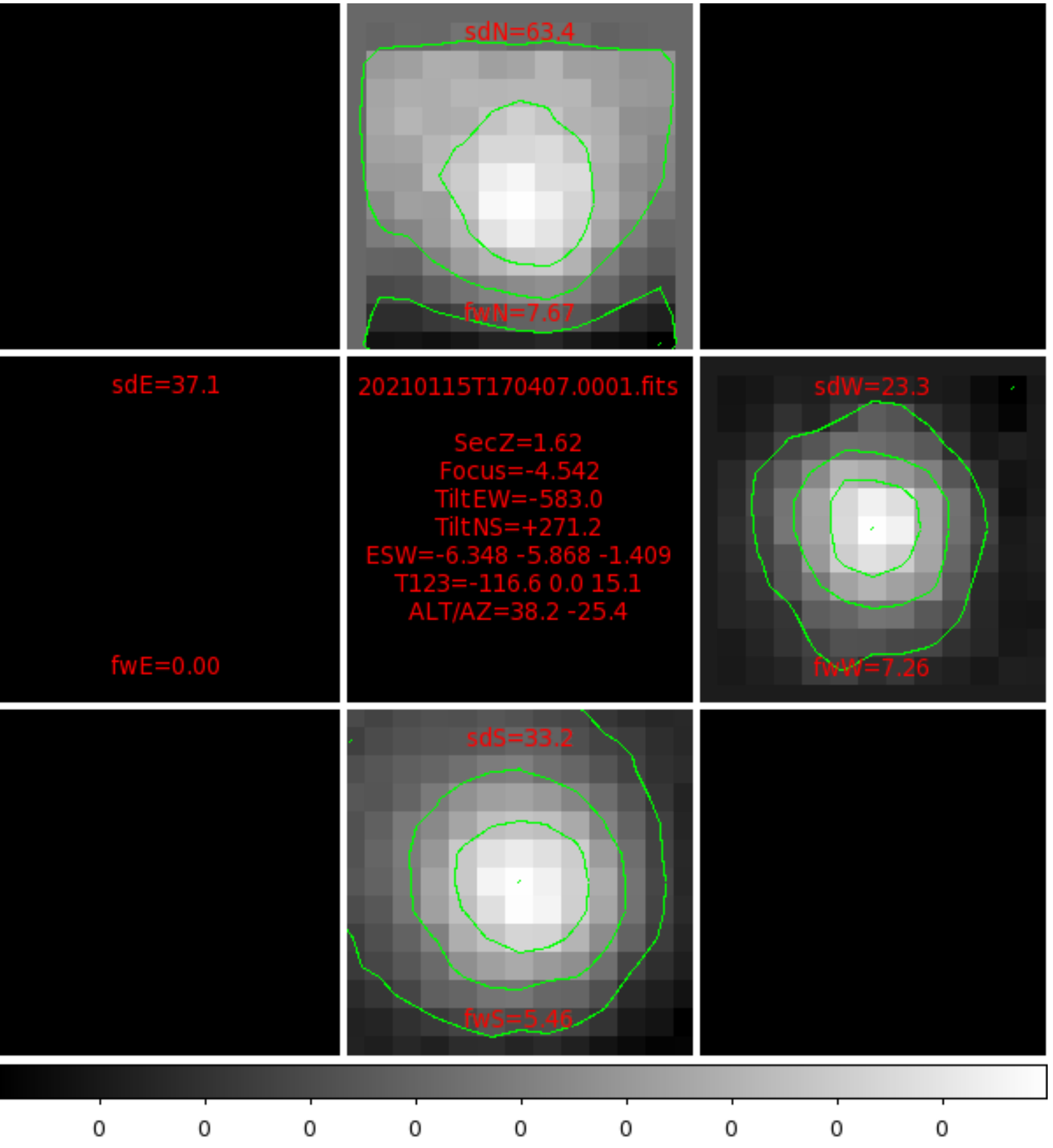
sdN=63.4
fwN=7.67
sdE=37.1
fwE=0.00
20210115T170407.0001.fits
SecZ=1.62
Focus=-4.542
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.348 -5.868 -1.409
T123=-116.6 0.0 15.1
ALT/AZ=38.2 -25.4
sdW=23.3
fwW=7.26
sdS=33.2
fwS=5.46
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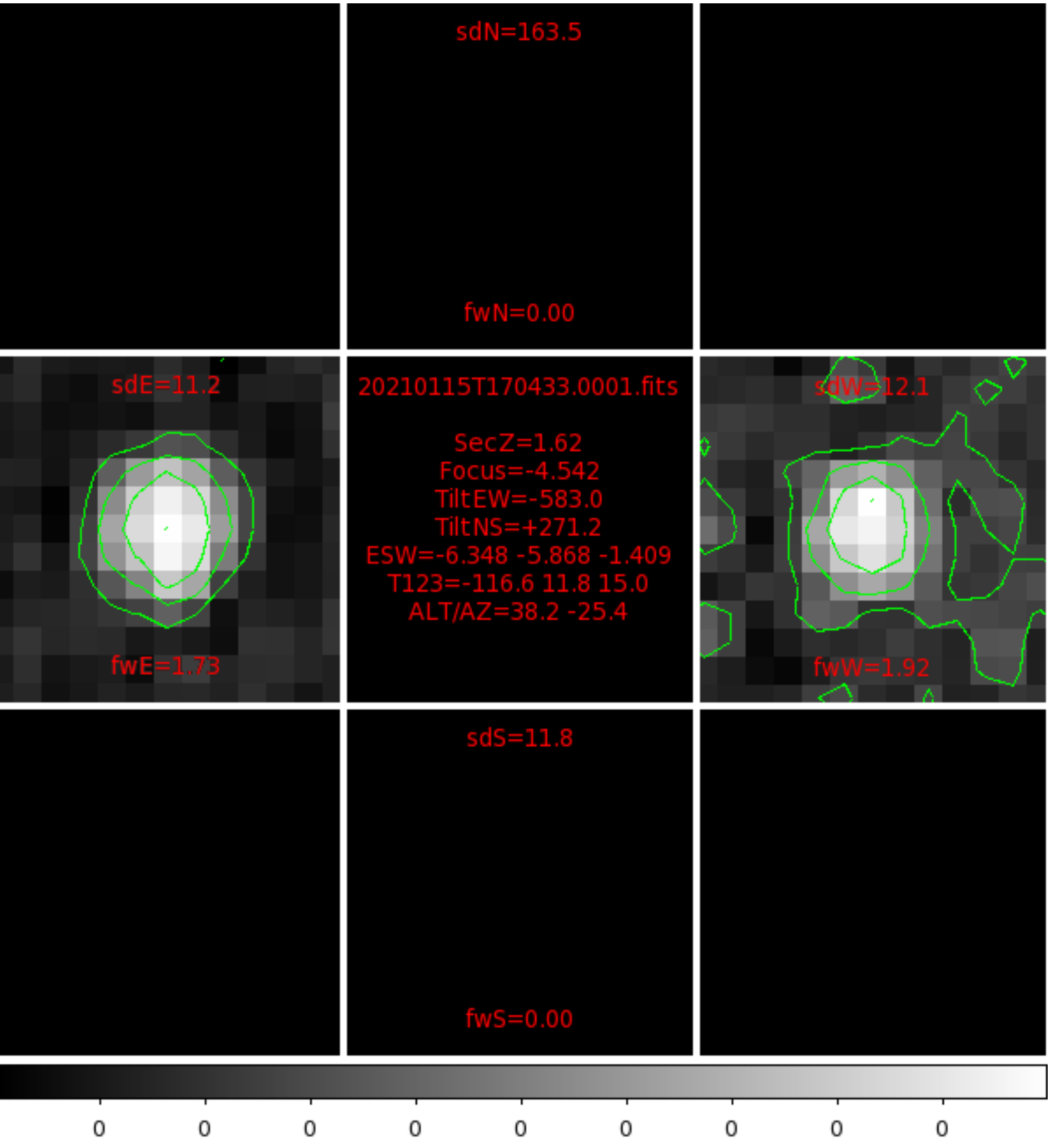
sdN=163.5
fwN=0.00
sdE=11.2
fwE=1.73
20210115T170433.0001.fits
SecZ=1.62
Focus=-4.542
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.348 -5.868 -1.409
T123=-116.6 11.8 15.0
ALT/AZ=38.2 -25.4
sdW=12.1
fwW=1.92
sdS=11.8
fwS=0.00
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sdN=13.7
fwN=0.00
sdE=11.0
fwE=0.00
20210115T170459.0001.fits
SecZ=1.62
Focus=-4.542
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.348 -5.868 -1.409
T123=-116.6 11.8 15.0
ALT/AZ=38.1 -25.4
sdW=11.4
fwW=0.00
sdS=11.8
fwS=0.00
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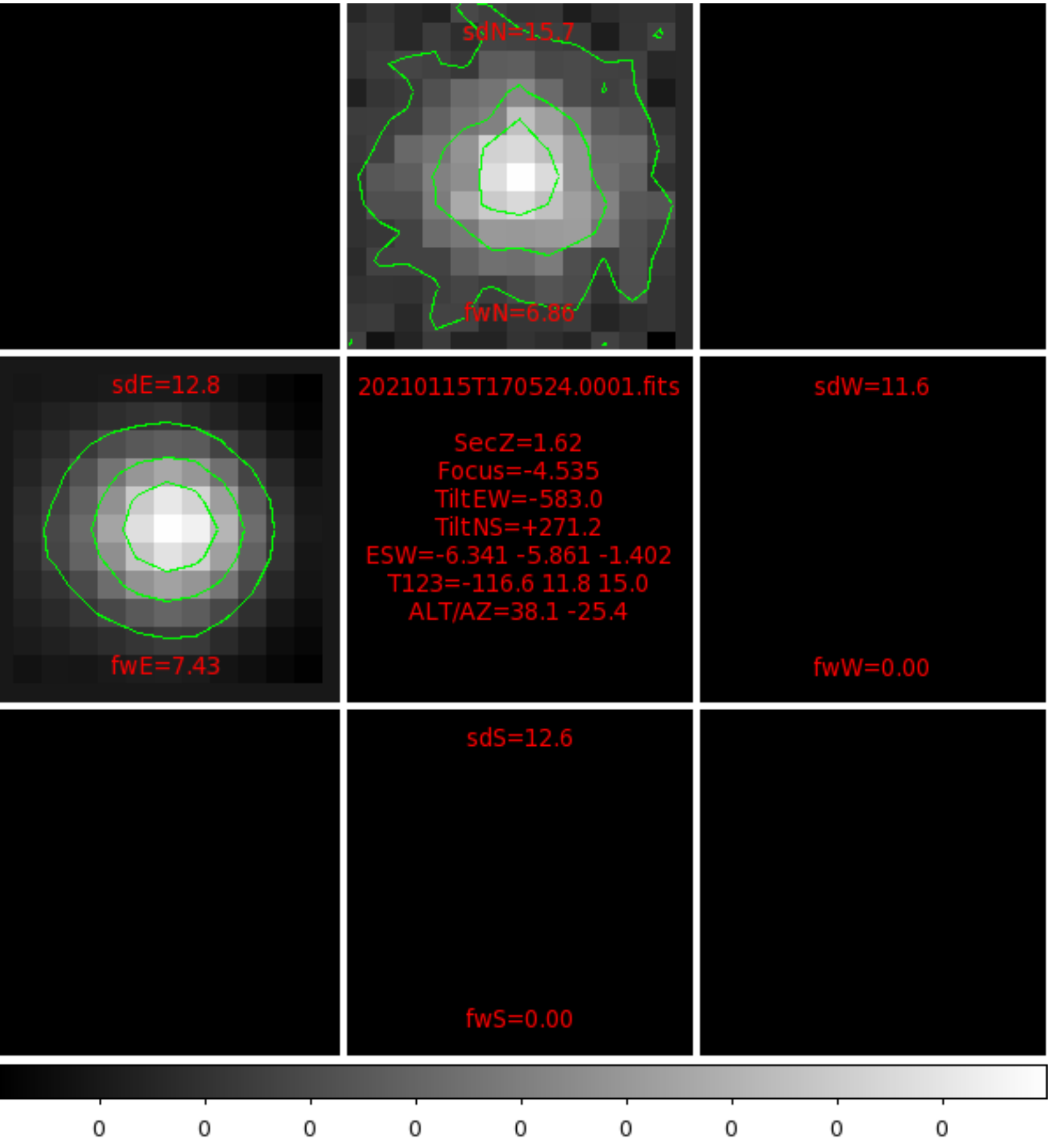
sdN=15.7
fwN=6.86
sdE=12.8
fwE=7.43
20210115T170524.0001.fits
SecZ=1.62
Focus=-4.535
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.341 -5.861 -1.402
T123=-116.6 11.8 15.0
ALT/AZ=38.1 -25.4
sdW=11.6
fwW=0.00
sdS=12.6
fwS=0.00
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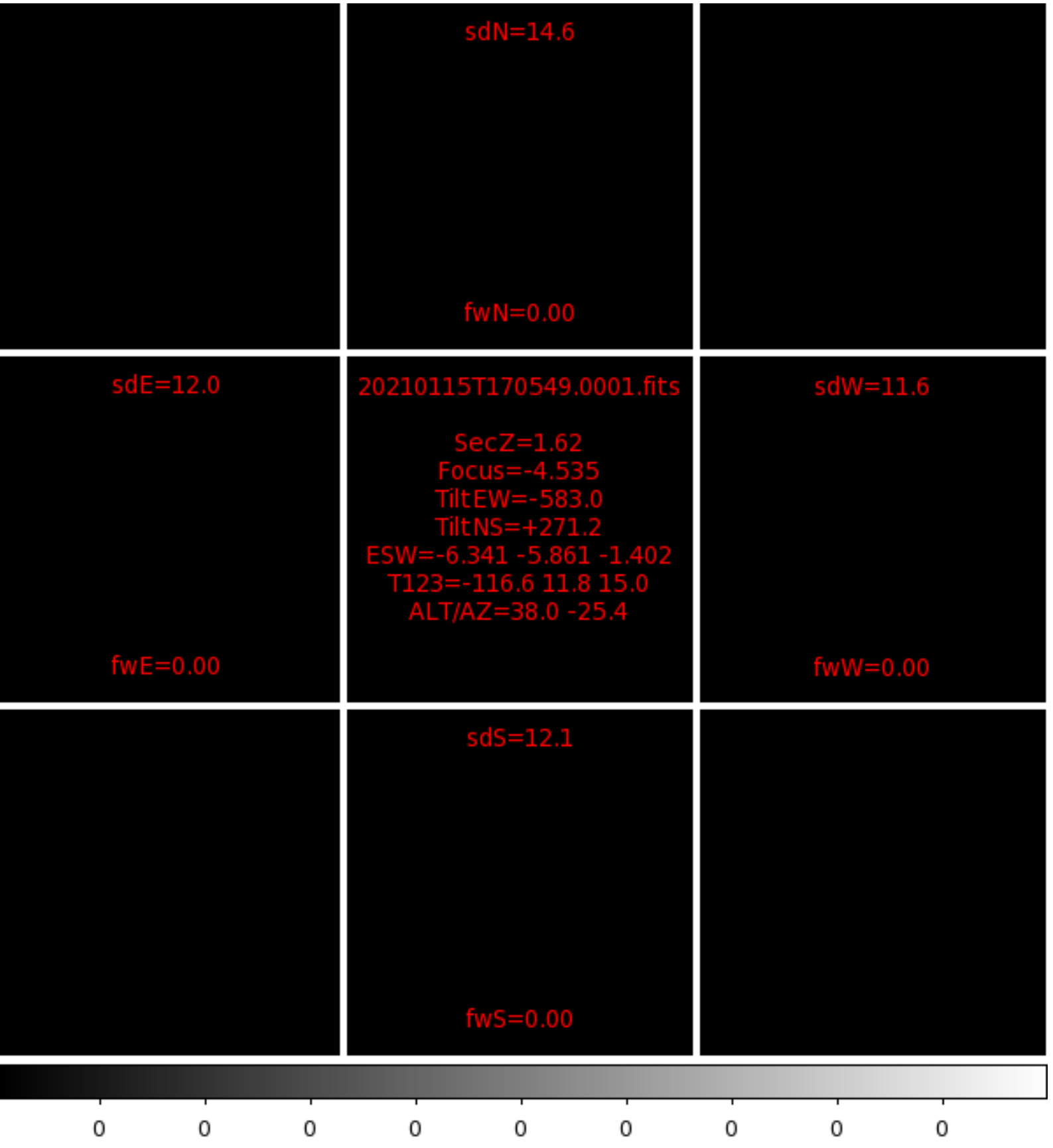
sdN=14.6
fwN=0.00
sdE=12.0
fwE=0.00
20210115T170549.0001.fits
SecZ=1.62
Focus=-4.535
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.341 -5.861 -1.402
T123=-116.6 11.8 15.0
ALT/AZ=38.0 -25.4
sdW=11.6
fwW=0.00
sdS=12.1
fwS=0.00
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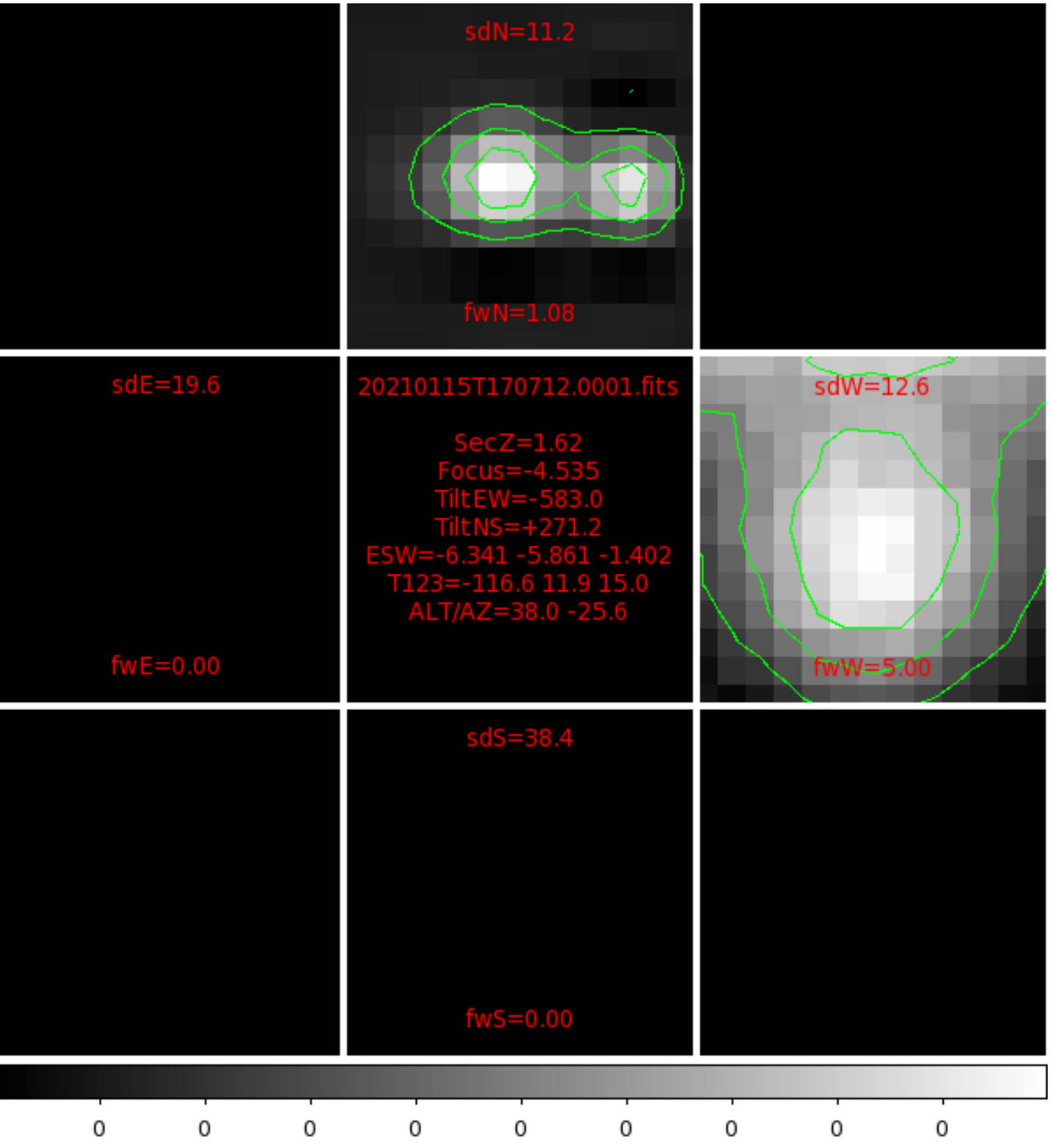
sdN=11.2
fwN=1.08
sdE=19.6
fwE=0.00
20210115T170712.0001.fits
SecZ=1.62
Focus=-4.535
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.341 -5.861 -1.402
T123=-116.6 11.9 15.0
ALT/AZ=38.0 -25.6
sdW=12.6
fwW=5.00
sdS=38.4
fwS=0.00
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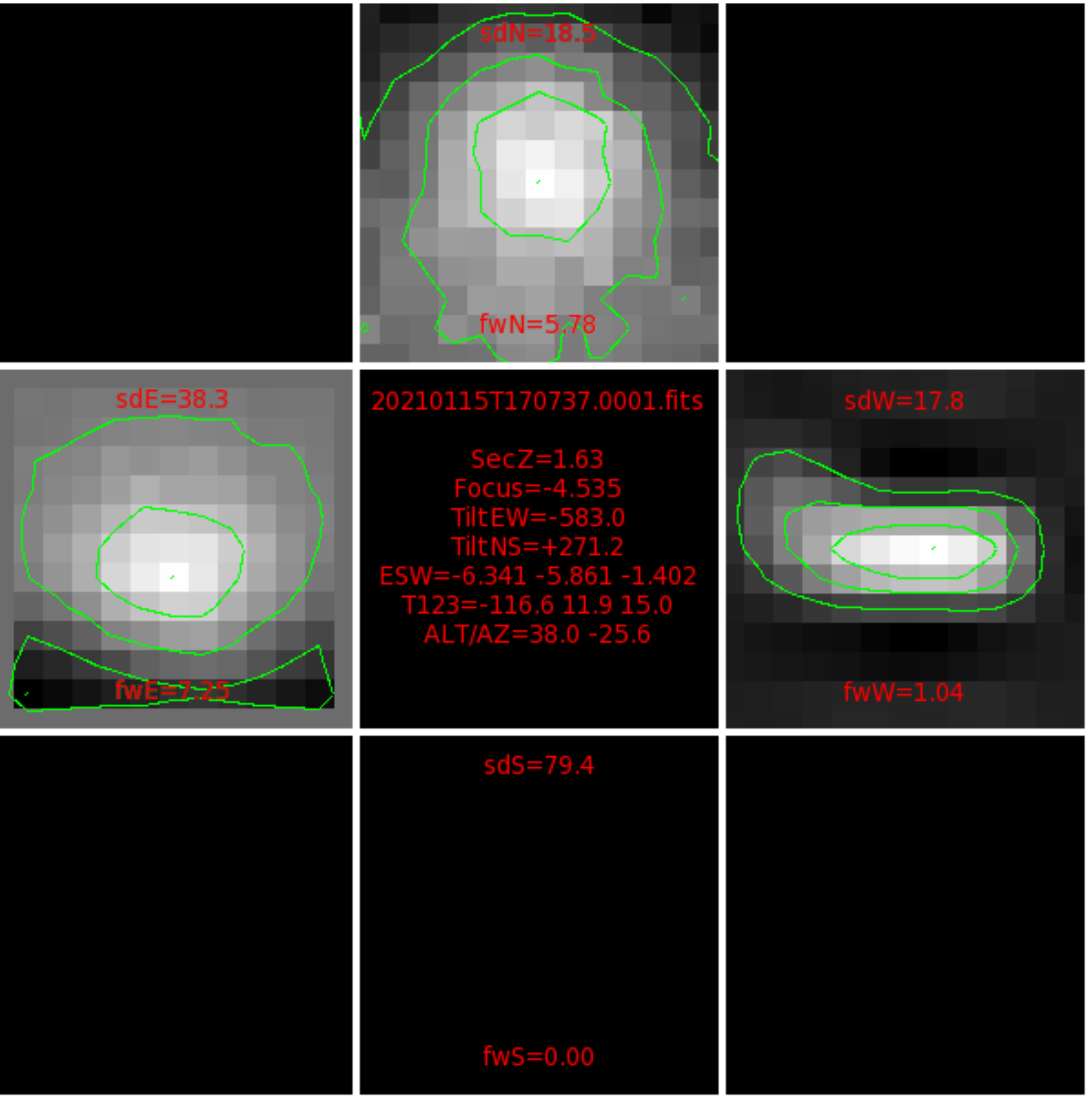
sdN=18.5
fwN=5.78
sdE=38.3
fwE=7.25
20210115T170737.0001.fits
SecZ=1.63
Focus=-4.535
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.341 -5.861 -1.402
T123=-116.6 11.9 15.0
ALT/AZ=38.0 -25.6
sdW=17.8
fwW=1.04
sdS=79.4
fwS=0.00
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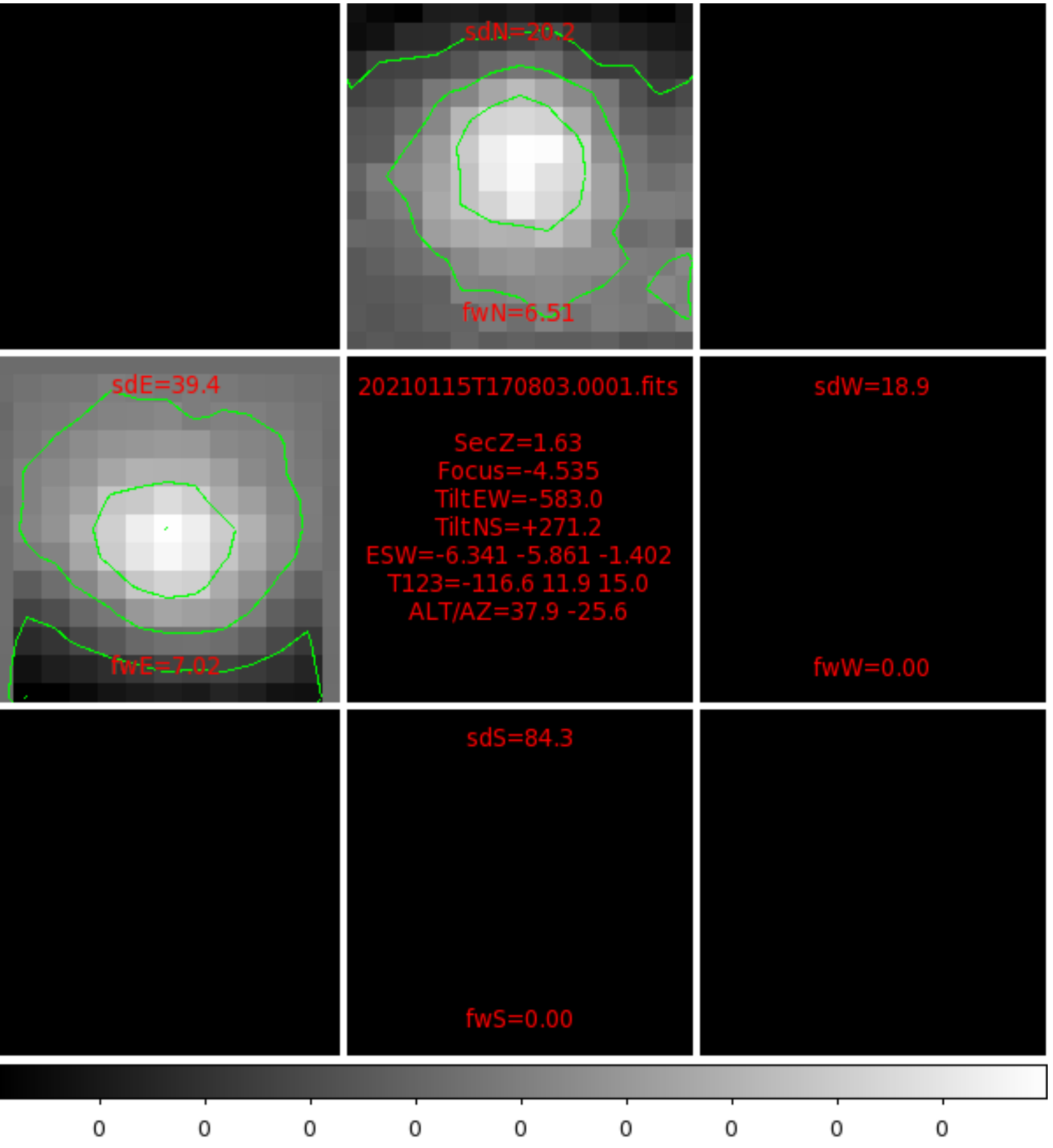
sdN=20.2
fwN=6.51
sdE=39.4
fwE=7.02
20210115T170803.0001.fits
SecZ=1.63
Focus=-4.535
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.341 -5.861 -1.402
T123=-116.6 11.9 15.0
ALT/AZ=37.9 -25.6
sdW=18.9
fwW=0.00
sdS=84.3
fwS=0.00
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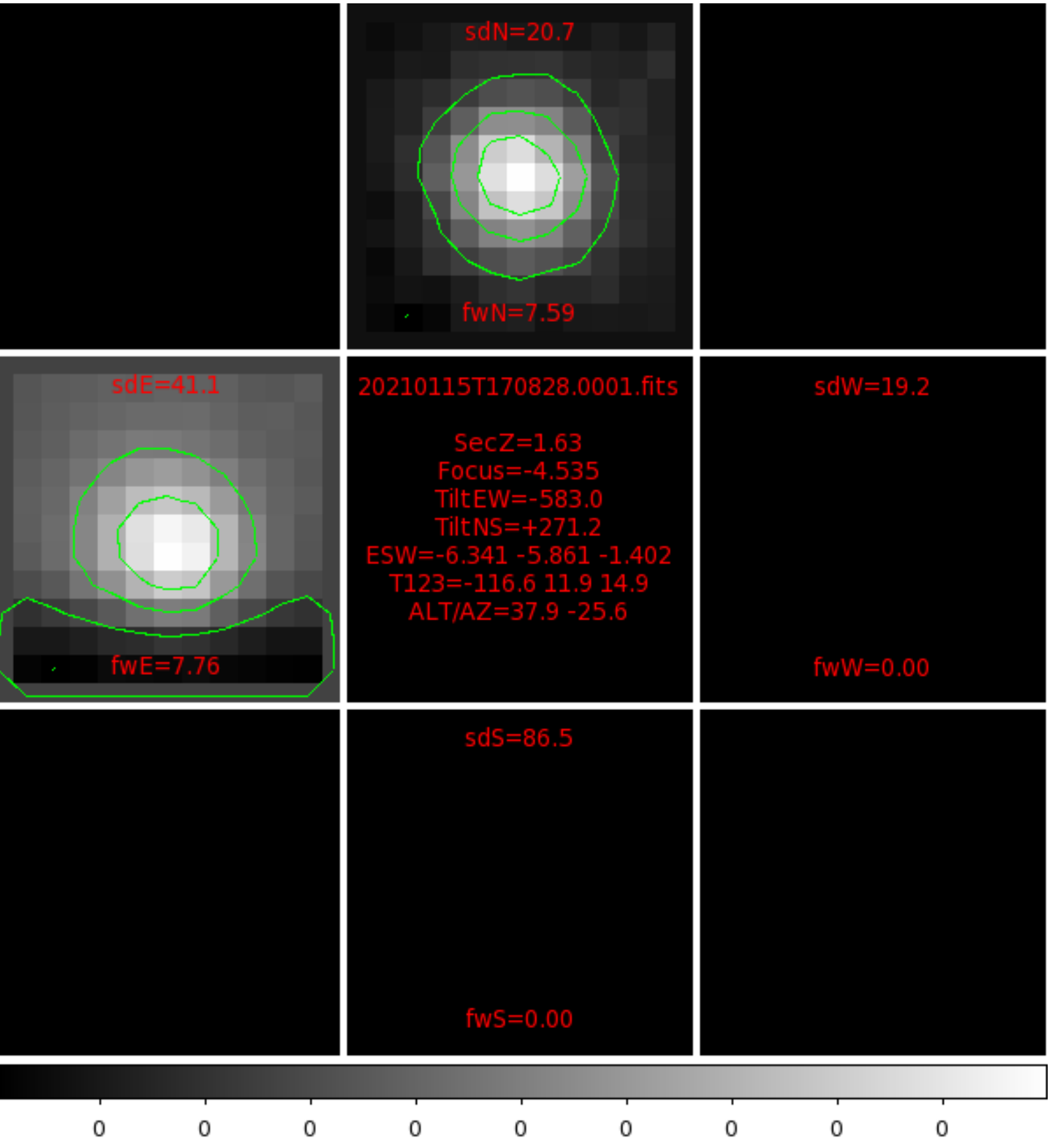
sdN=20.7
fwN=7.59
sdE=41.1
fwE=7.76
20210115T170828.0001.fits
SecZ=1.63
Focus=-4.535
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.341 -5.861 -1.402
T123=-116.6 11.9 14.9
ALT/AZ=37.9 -25.6
sdW=19.2
fwW=0.00
sdS=86.5
fwS=0.00
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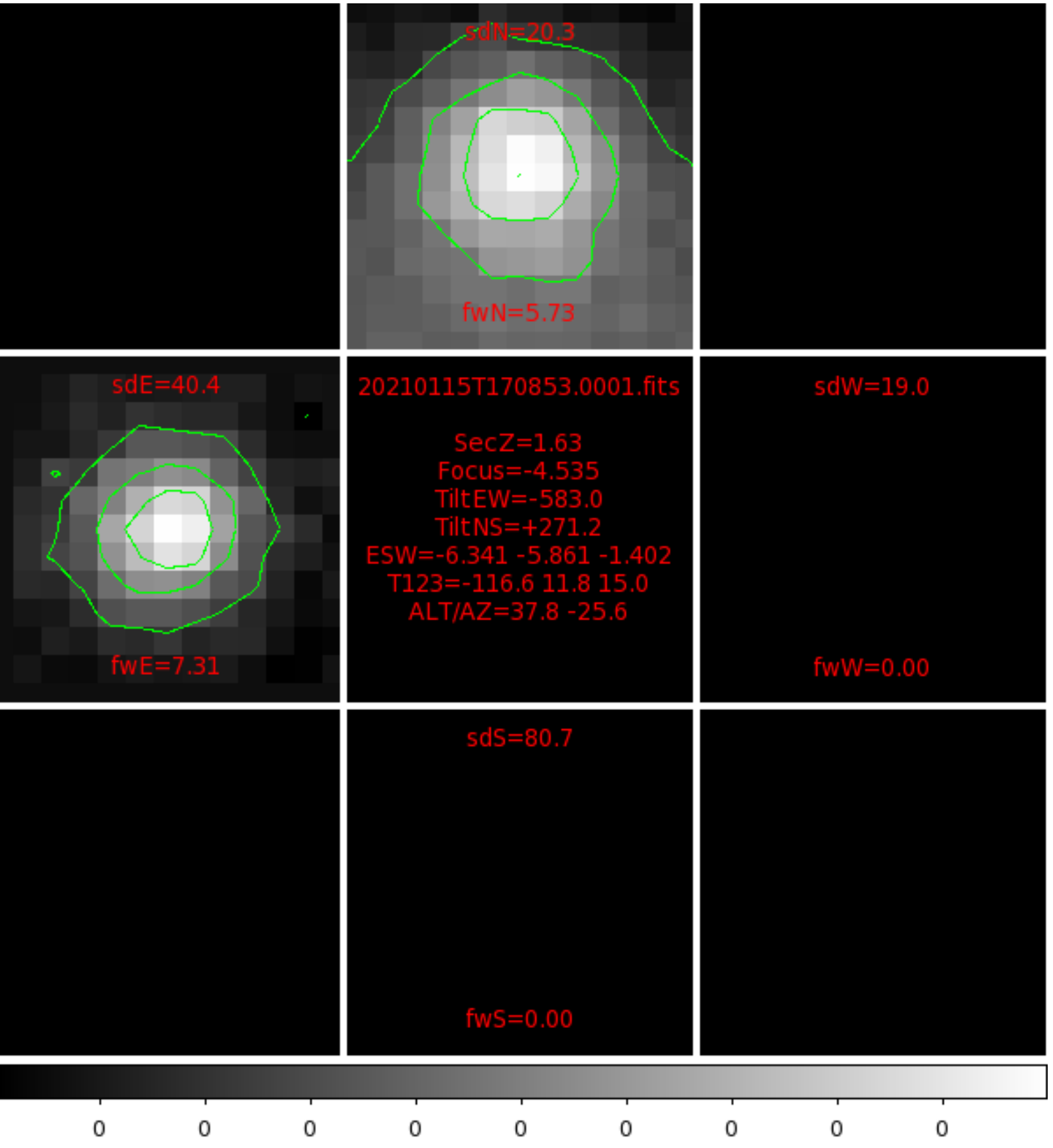
sdN=20.3
fwN=5.73
sdE=40.4
fwE=7.31
20210115T170853.0001.fits
SecZ=1.63
Focus=-4.535
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.341 -5.861 -1.402
T123=-116.6 11.8 15.0
ALT/AZ=37.8 -25.6
sdW=19.0
fwW=0.00
sdS=80.7
fwS=0.00
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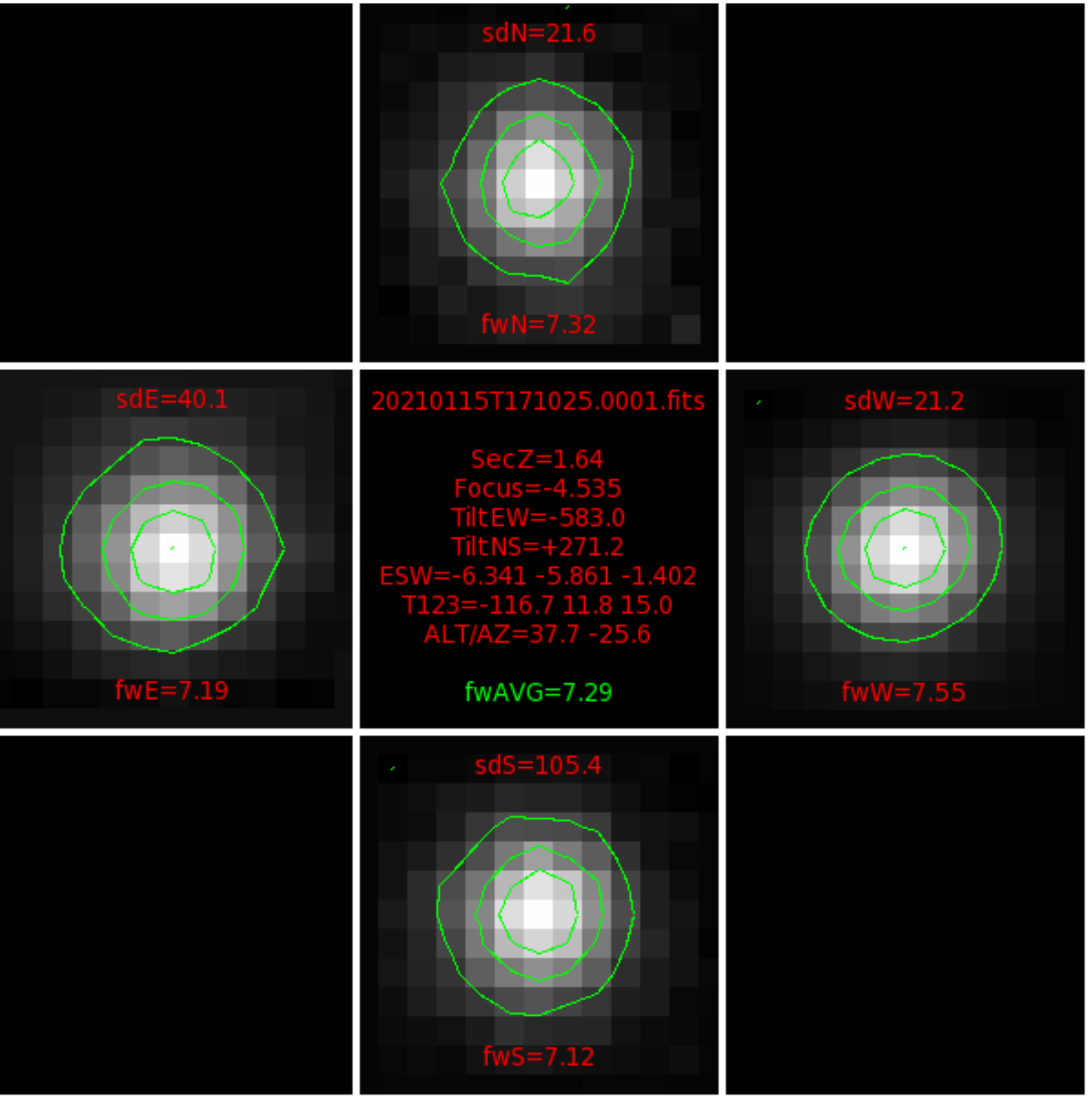
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fwN=7.32
sdE=40.1
fwE=7.19
20210115T171025.0001.fits
SecZ=1.64
Focus=-4.535
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.341 -5.861 -1.402
T123=-116.7 11.8 15.0
ALT/AZ=37.7 -25.6
fwAVG=7.29
sdW=21.2
fwW=7.55
sdS=105.4
fwS=7.12
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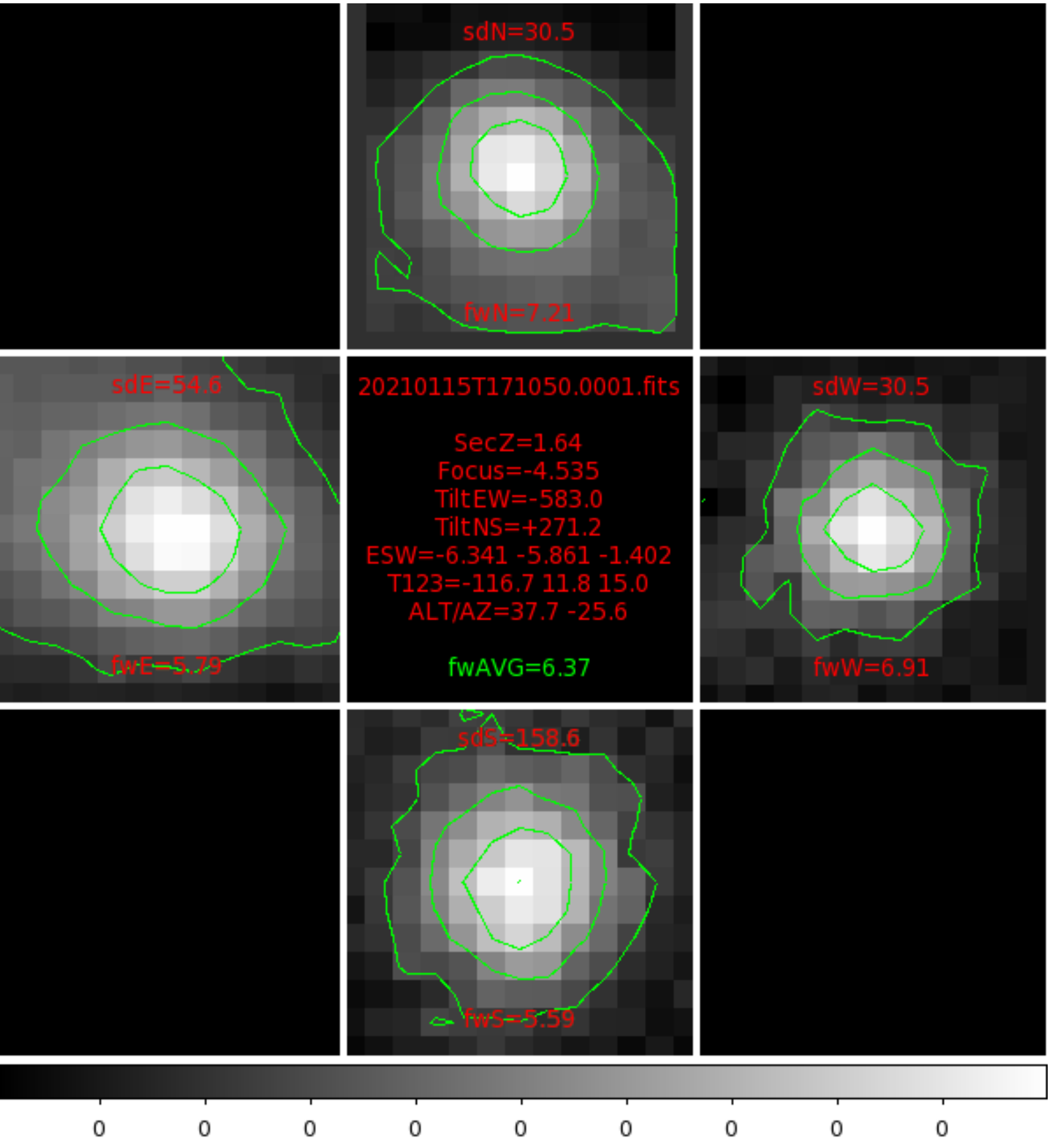
sdN=30.5
fwN=7.21
sdE=54.6
fwE=5.79
20210115T171050.0001.fits
SecZ=1.64
Focus=-4.535
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.341 -5.861 -1.402
T123=-116.7 11.8 15.0
ALT/AZ=37.7 -25.6
fwAVG=6.37
sdW=30.5
fwW=6.91
sdS=158.6
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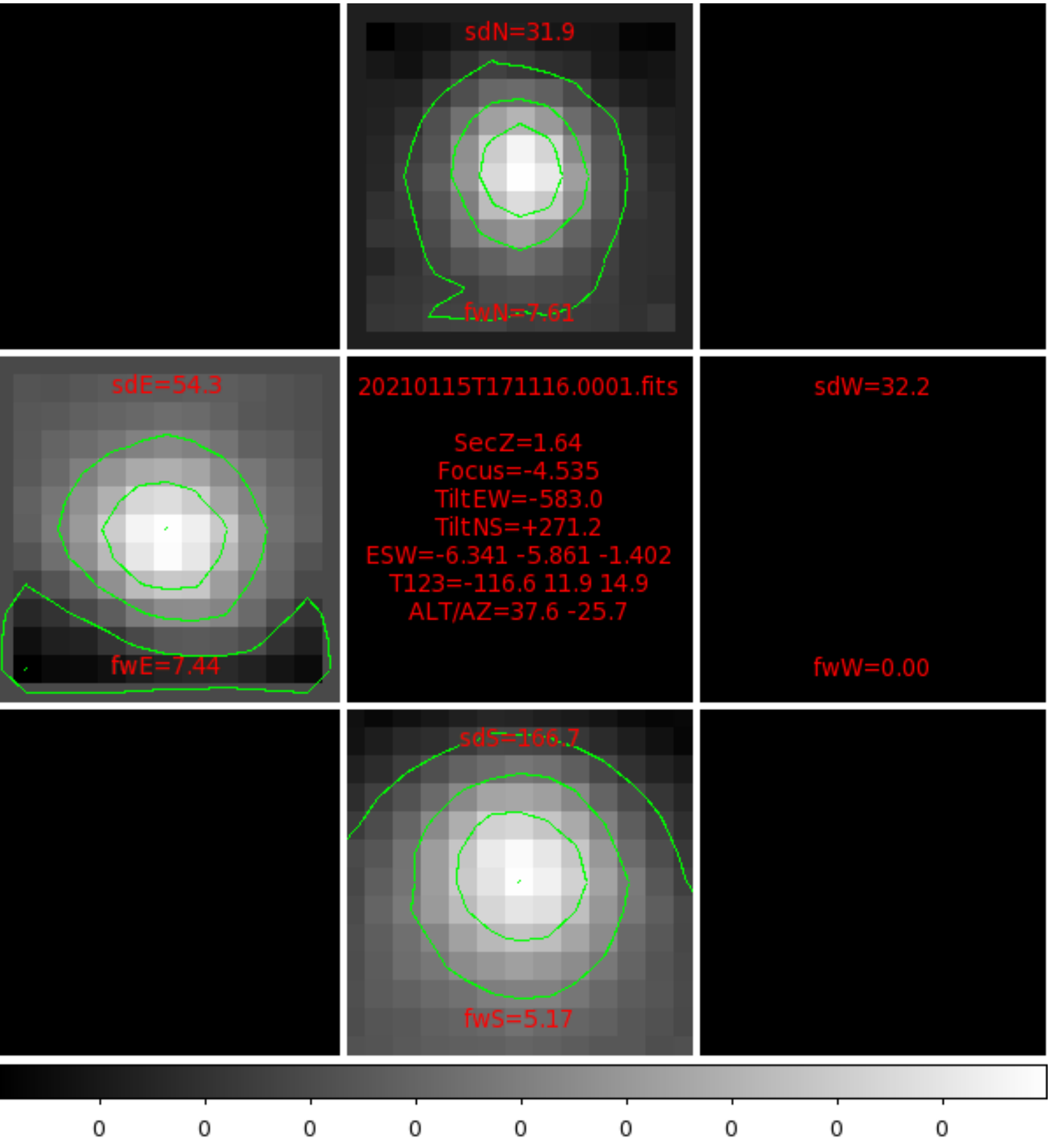
sdN=31.9
fwN=7.61
sdE=54.3
fwE=7.44
20210115T171116.0001.fits
SecZ=1.64
Focus=-4.535
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.341 -5.861 -1.402
T123=-116.6 11.9 14.9
ALT/AZ=37.6 -25.7
sdW=32.2
fwW=0.00
sdS=166.7
fwS=5.17
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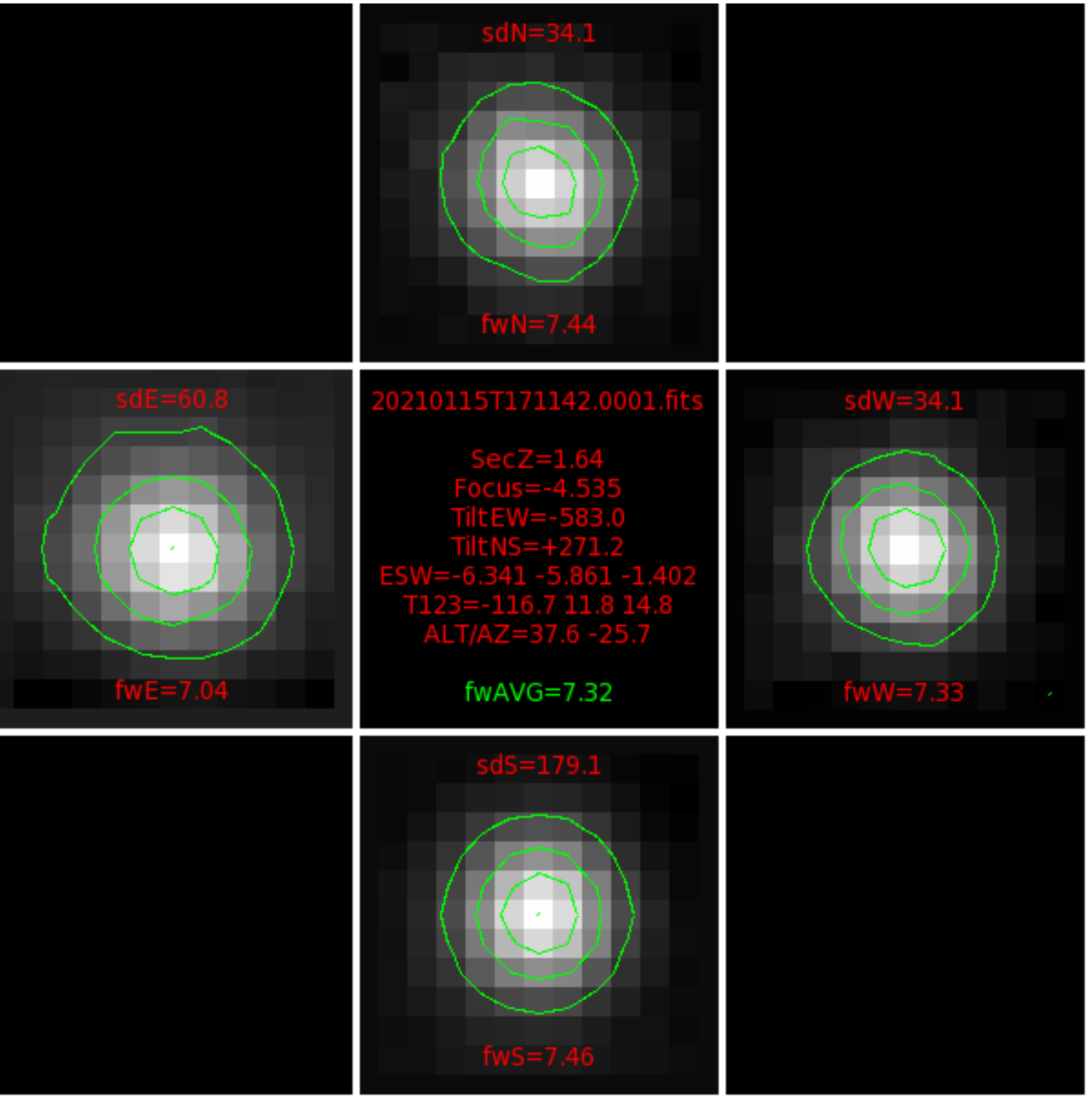
sdN=34.1
fwN=7.44
sdE=60.8
fwE=7.04
20210115T171142.0001.fits
SecZ=1.64
Focus=-4.535
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.341 -5.861 -1.402
T123=-116.7 11.8 14.8
ALT/AZ=37.6 -25.7
fwAVG=7.32
sdW=34.1
fwW=7.33
sdS=179.1
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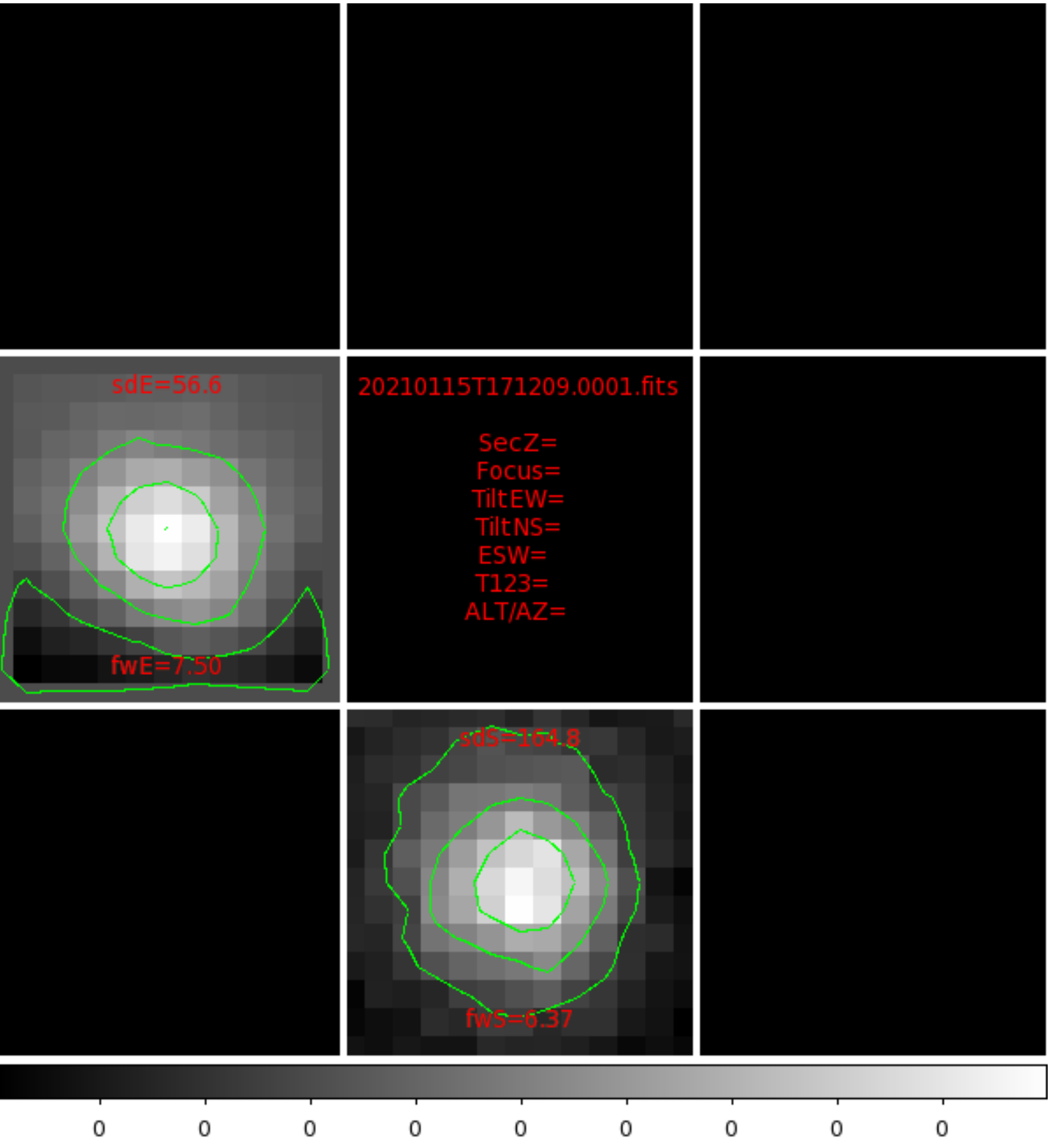
sdE=56.6
20210115T171209.0001.fits
SecZ=
Focus=
TiltEW=
TiltNS=
ESW=
T123=
ALT/AZ=
fwE=7.50
sdS=164.8
fwS=6.37
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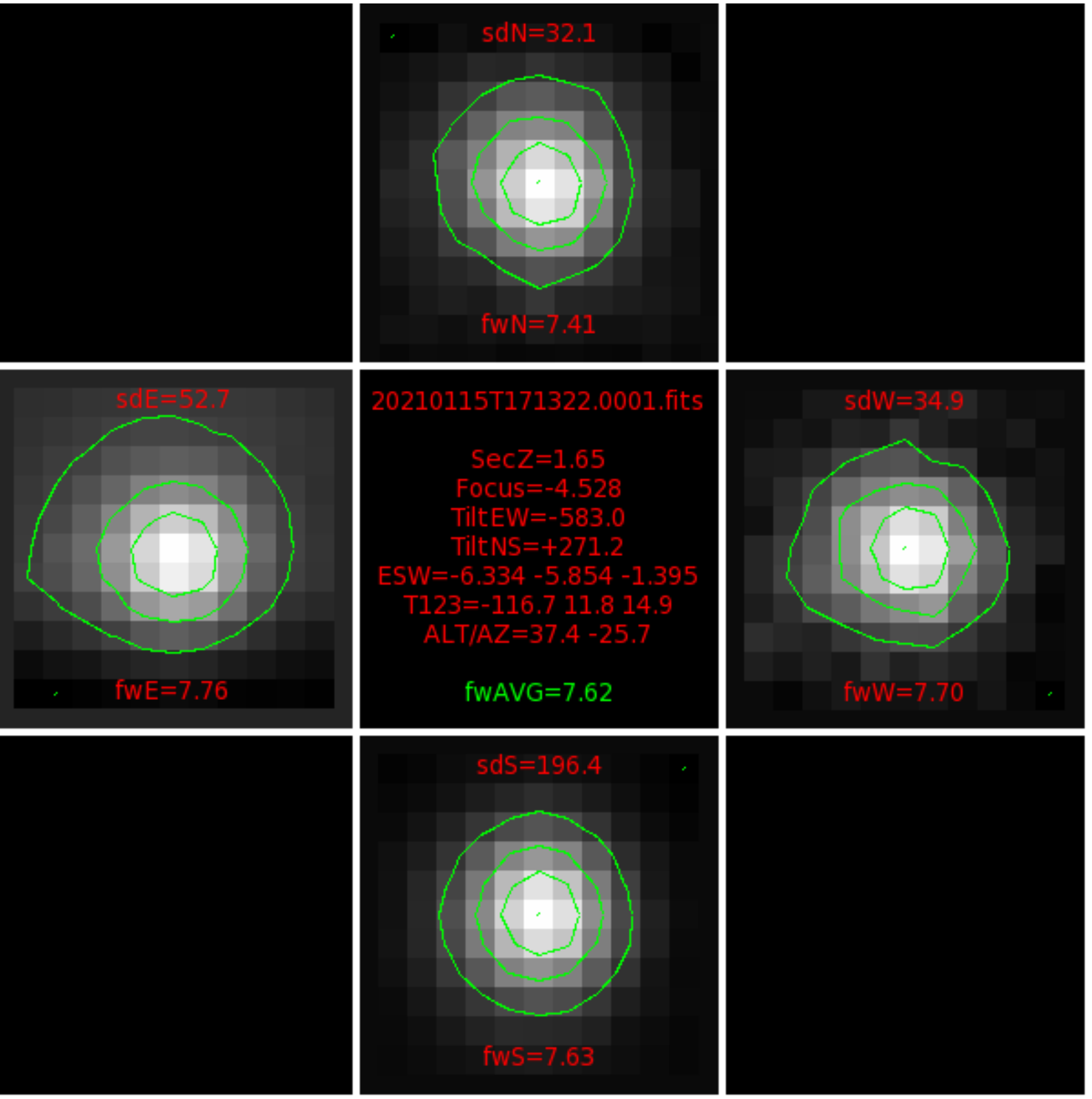
sdN=32.1
fwN=7.41
sdE=52.7
fwE=7.76
20210115T171322.0001.fits
SecZ=1.65
Focus=-4.528
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.334 -5.854 -1.395
T123=-116.7 11.8 14.9
ALT/AZ=37.4 -25.7
fwAVG=7.62
sdW=34.9
fwW=7.70
sdS=196.4
fwS=7.63
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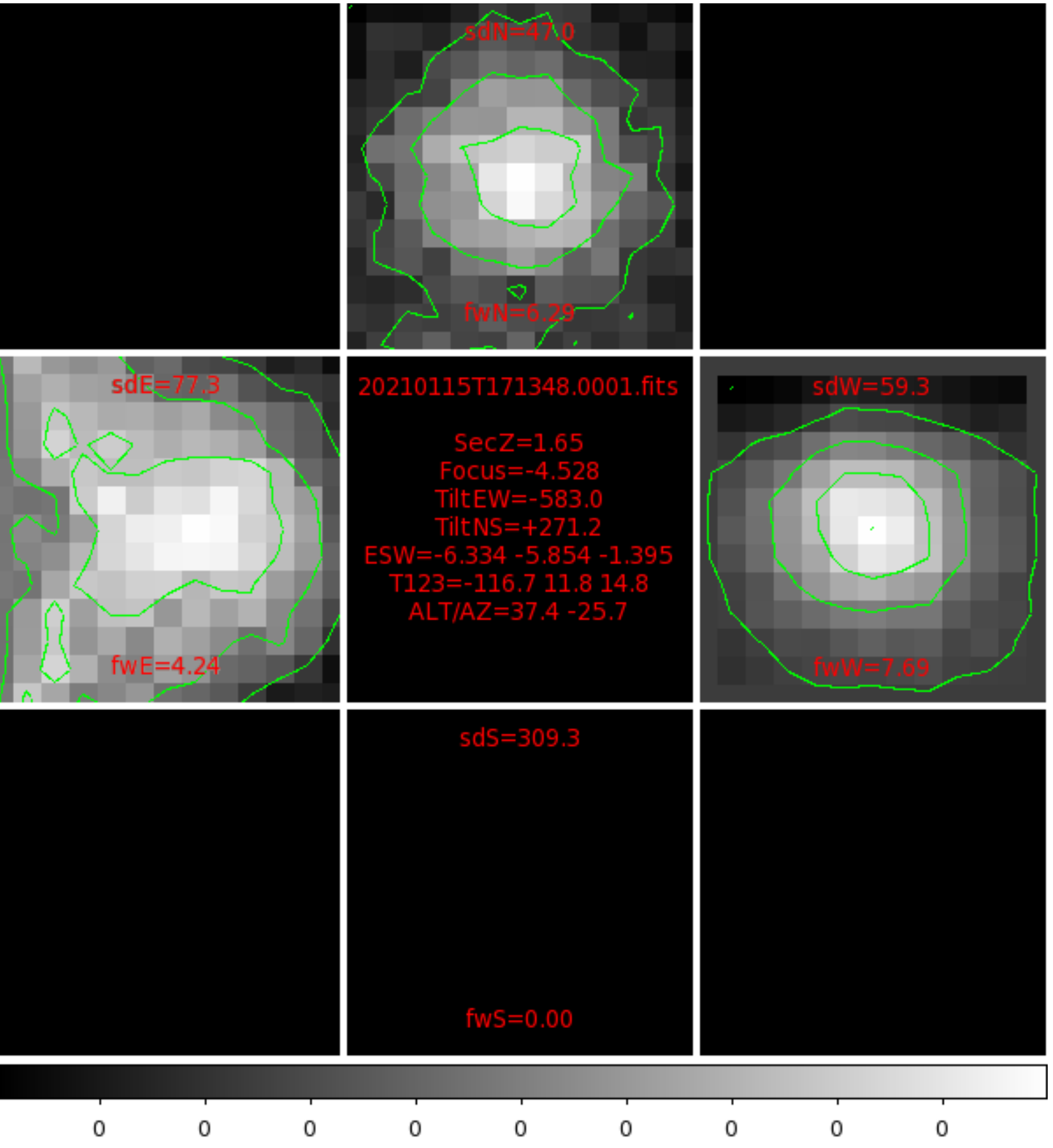
sdN=47.0
fwN=6.29
sdE=77.3
fwE=4.24
20210115T171348.0001.fits
SecZ=1.65
Focus=-4.528
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.334 -5.854 -1.395
T123=-116.7 11.8 14.8
ALT/AZ=37.4 -25.7
sdW=59.3
fwW=7.69
sdS=309.3
fwS=0.00
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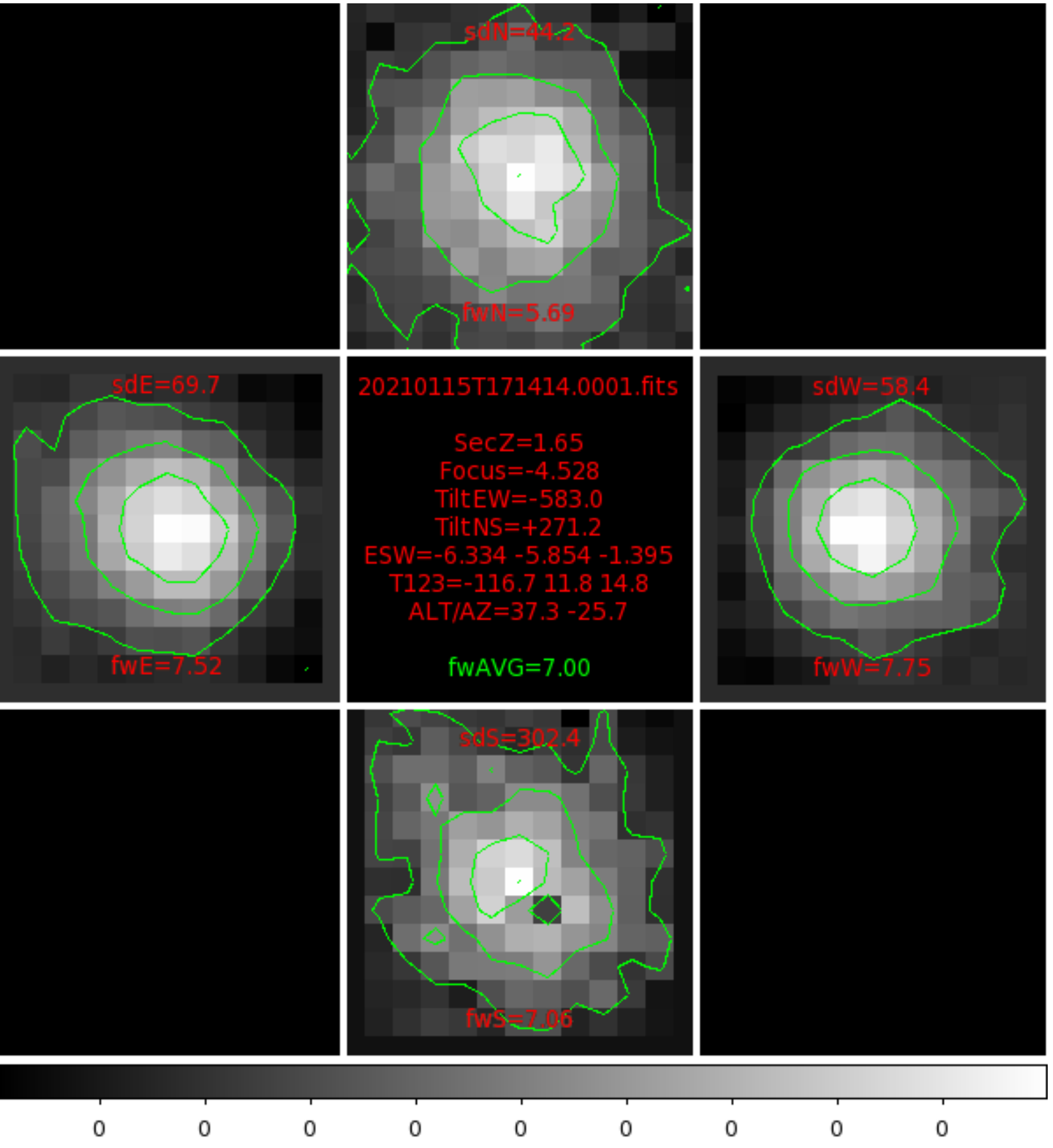
sdN=44.2
fwN=5.69
sdE=69.7
fwE=7.52
20210115T171414.0001.fits
SecZ=1.65
Focus=-4.528
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.334 -5.854 -1.395
T123=-116.7 11.8 14.8
ALT/AZ=37.3 -25.7
fwAVG=7.00
sdW=58.4
fwW=7.75
sdS=302.4
fwS=7.06
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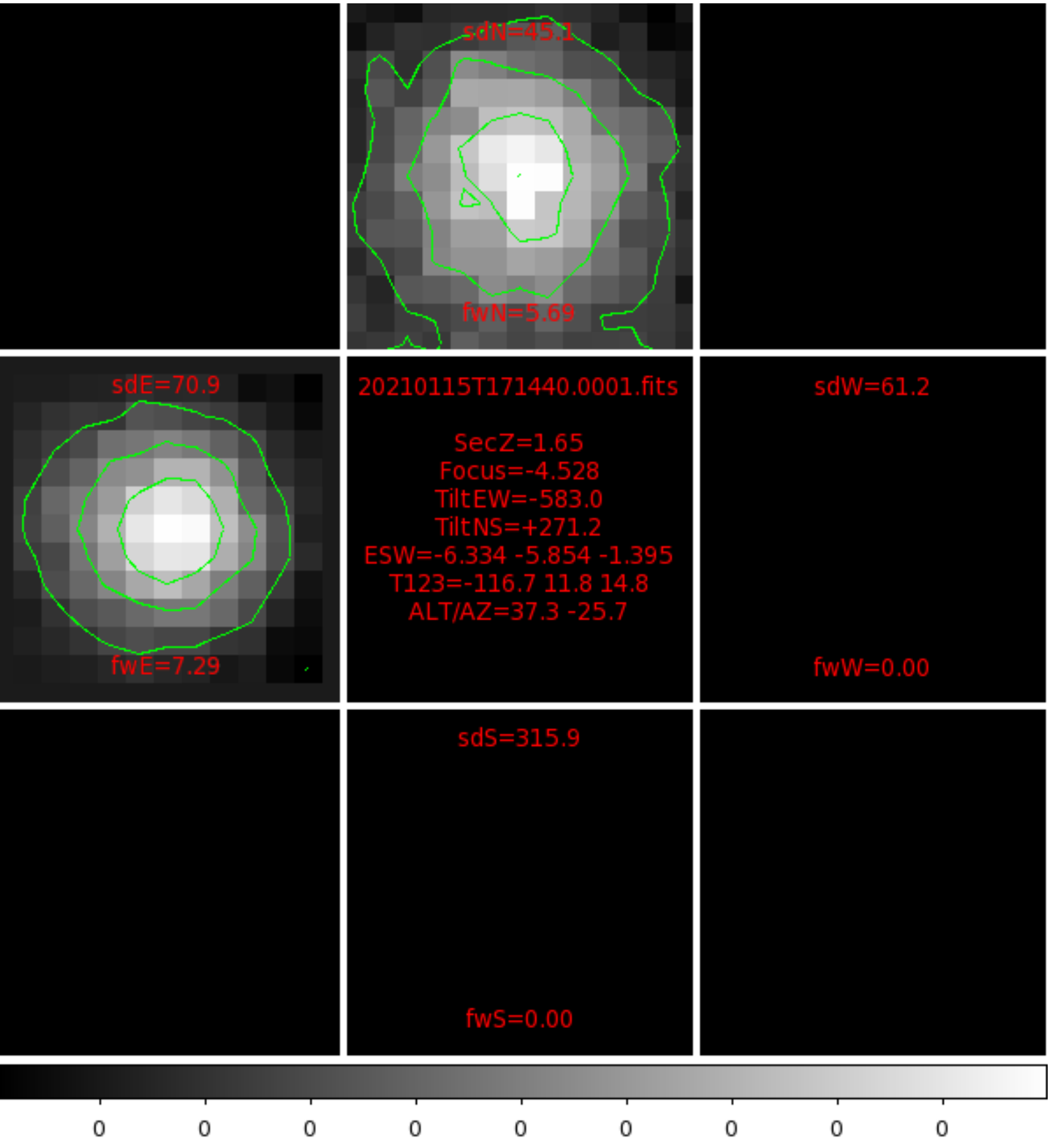
sdN=45.1
fwN=5.69
sdE=70.9
fwE=7.29
20210115T171440.0001.fits
SecZ=1.65
Focus=-4.528
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.334 -5.854 -1.395
T123=-116.7 11.8 14.8
ALT/AZ=37.3 -25.7
sdW=61.2
fwW=0.00
sdS=315.9
fwS=0.00
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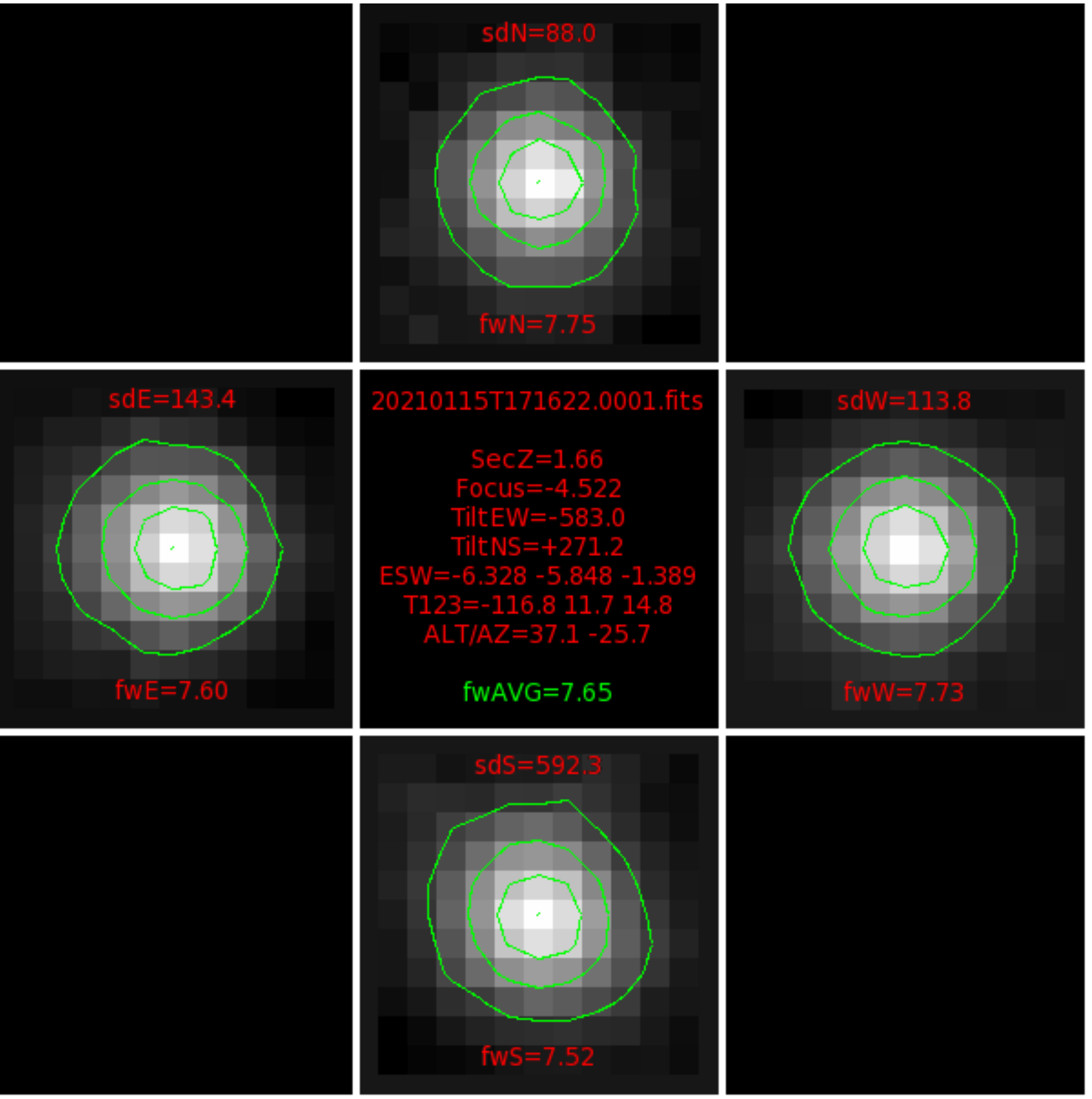
sdN=88.0
fwN=7.75
sdE=143.4
fwE=7.60
20210115T171622.0001.fits
SecZ=1.66
Focus=-4.522
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.328 -5.848 -1.389
T123=-116.8 11.7 14.8
ALT/AZ=37.1 -25.7
fwAVG=7.65
sdW=113.8
fwW=7.73
sdS=592.3
fwS=7.52
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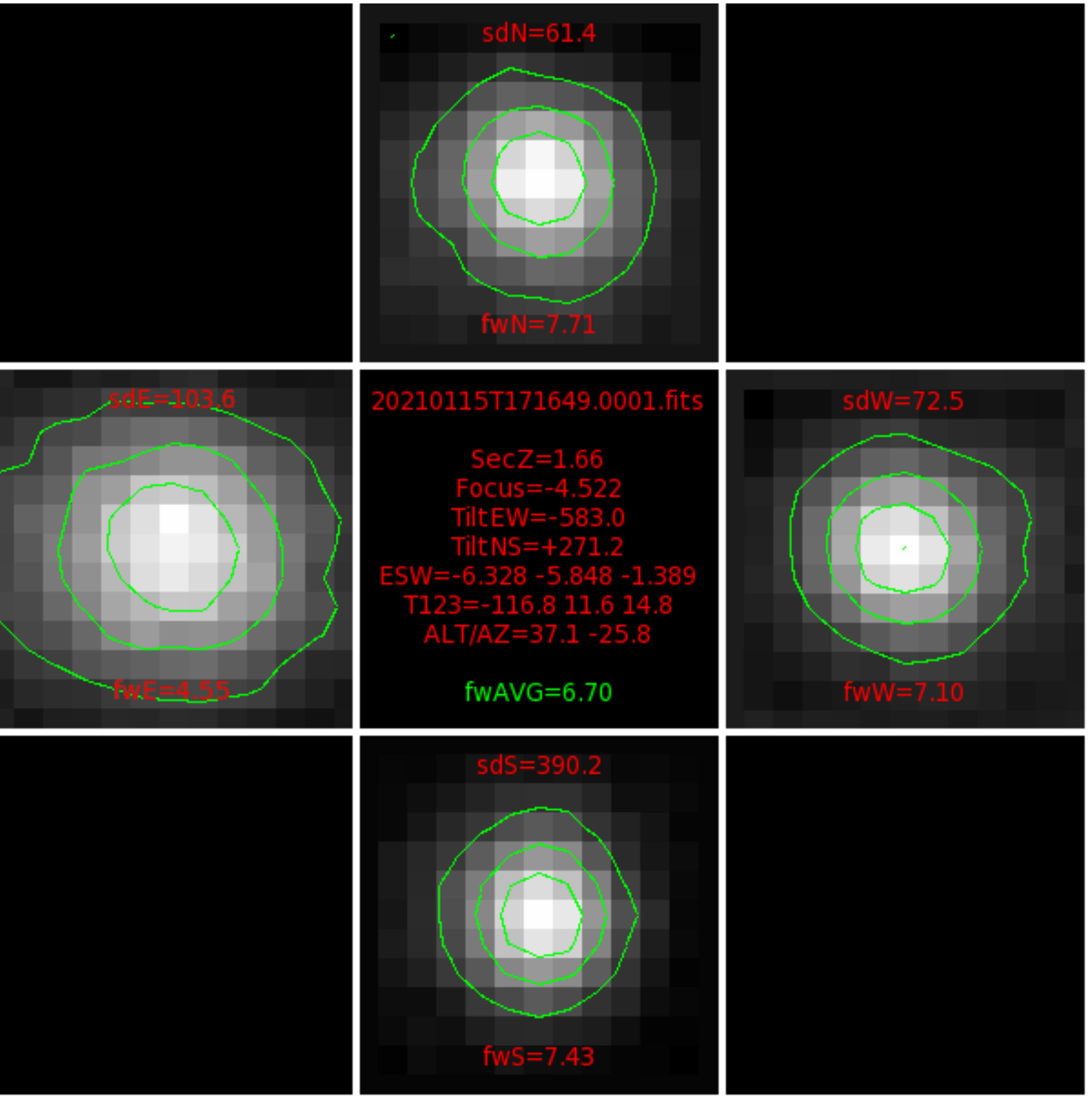
sdN=61.4
fwN=7.71
sdE=103.6
fwE=4.55
20210115T171649.0001.fits
SecZ=1.66
Focus=-4.522
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.328 -5.848 -1.389
T123=-116.8 11.6 14.8
ALT/AZ=37.1 -25.8
fwAVG=6.70
sdW=72.5
fwW=7.10
sdS=390.2
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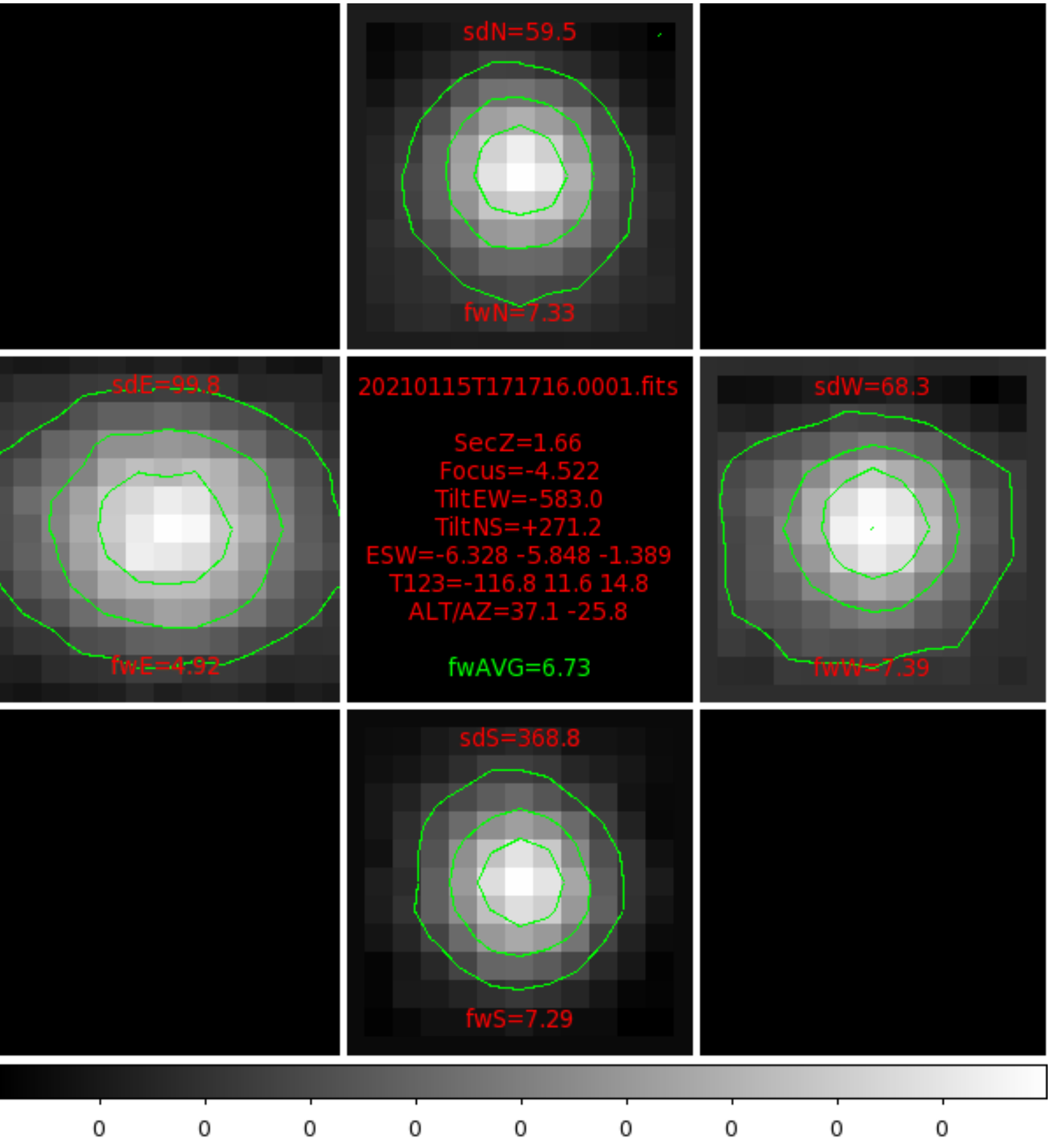
sdN=59.5
fwN=7.33
sdE=99.8
fwE=4.92
20210115T171716.0001.fits
SecZ=1.66
Focus=-4.522
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.328 -5.848 -1.389
T123=-116.8 11.6 14.8
ALT/AZ=37.1 -25.8
fwAVG=6.73
sdW=68.3
fwW=7.39
sdS=368.8
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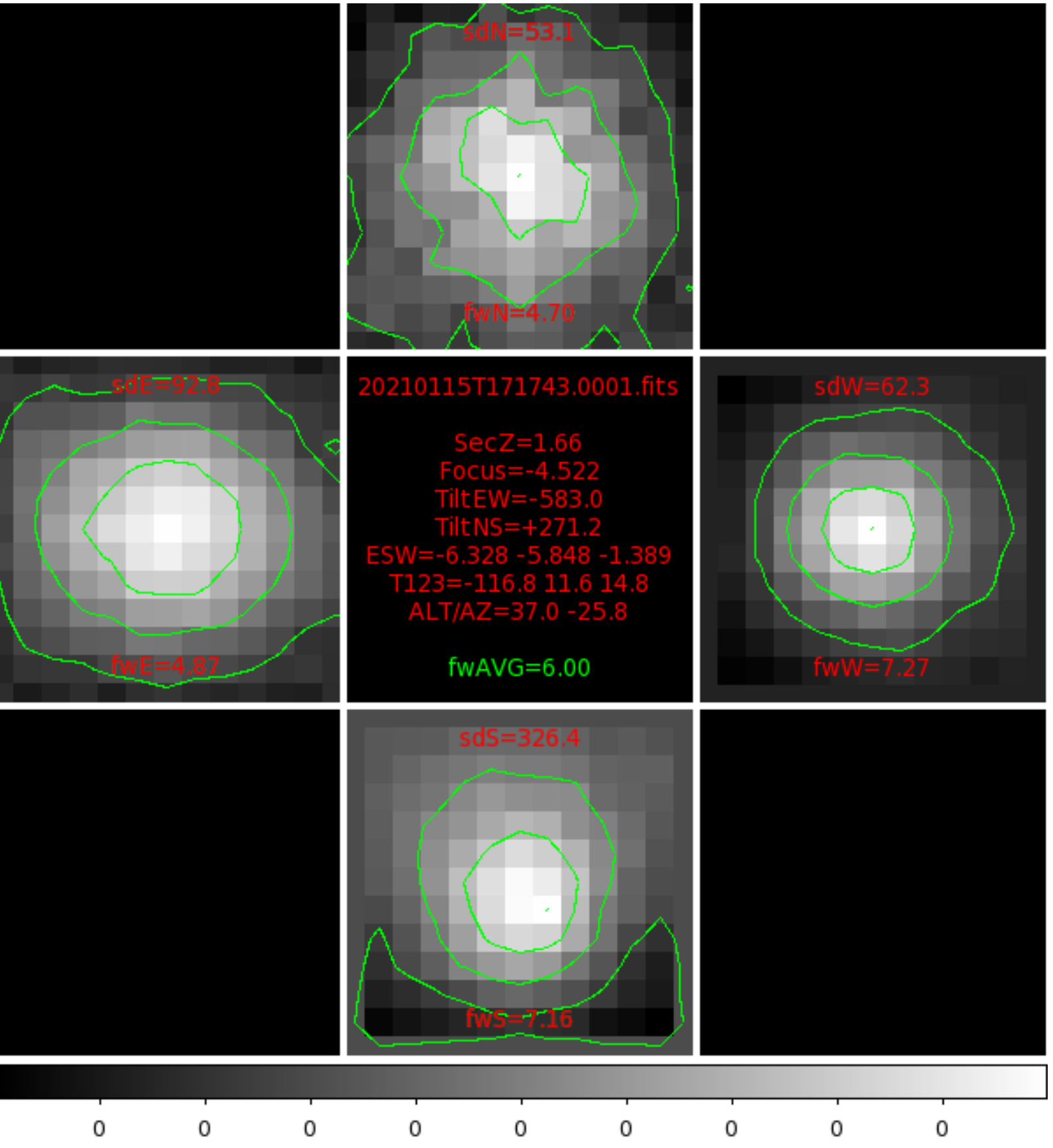
sdN=53.1
fwN=4.70
sdE=92.8
fwE=4.87
20210115T171743.0001.fits
SecZ=1.66
Focus=-4.522
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.328 -5.848 -1.389
T123=-116.8 11.6 14.8
ALT/AZ=37.0 -25.8
fwAVG=6.00
sdW=62.3
fwW=7.27
sdS=326.4
fwS=7.16
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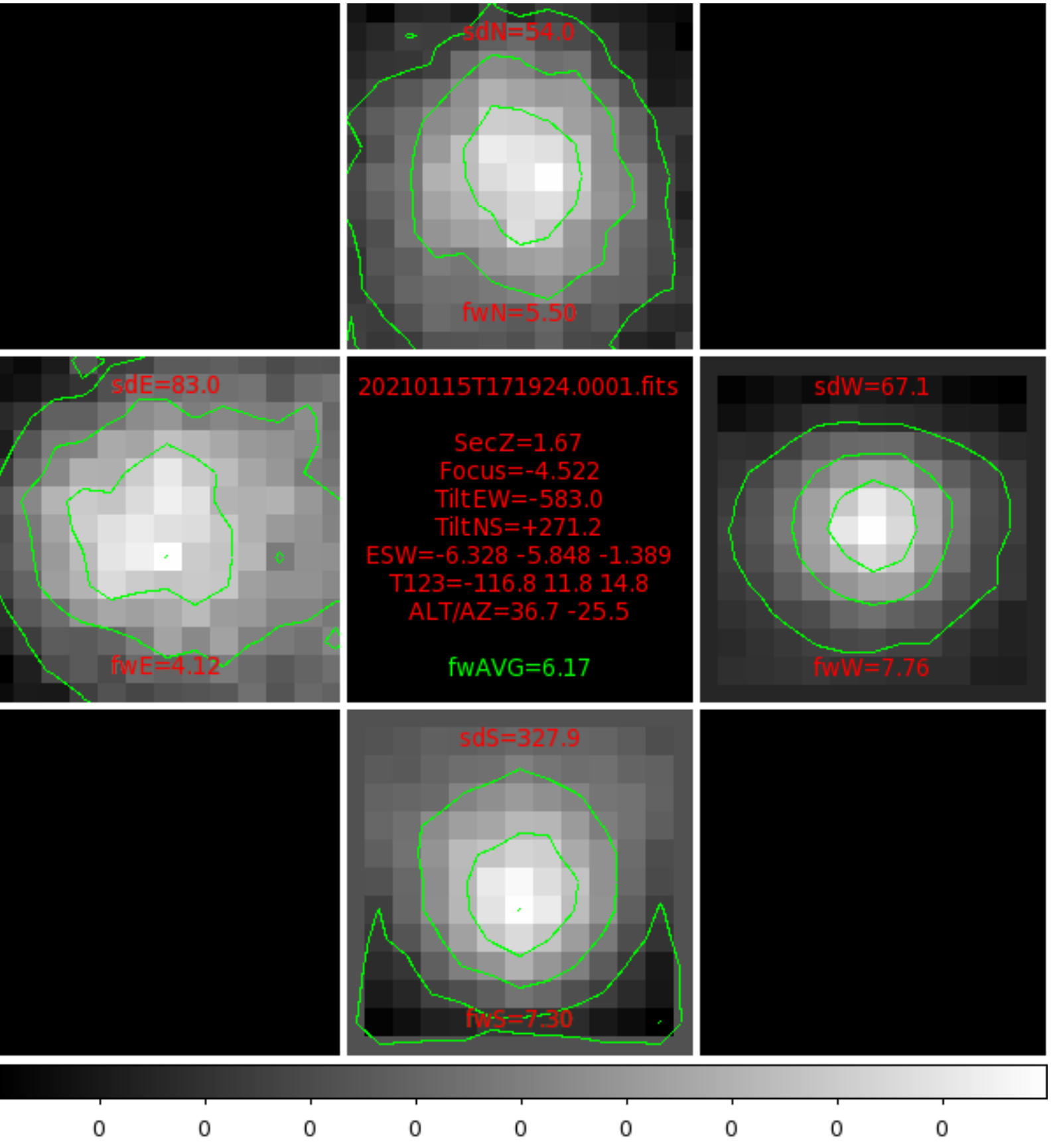
sdN=54.0
fwN=5.50
sdE=83.0
fwE=4.12
20210115T171924.0001.fits
SecZ=1.67
Focus=-4.522
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.328 -5.848 -1.389
T123=-116.8 11.8 14.8
ALT/AZ=36.7 -25.5
fwAVG=6.17
sdW=67.1
fwW=7.76
sdS=327.9
fwS=7.30
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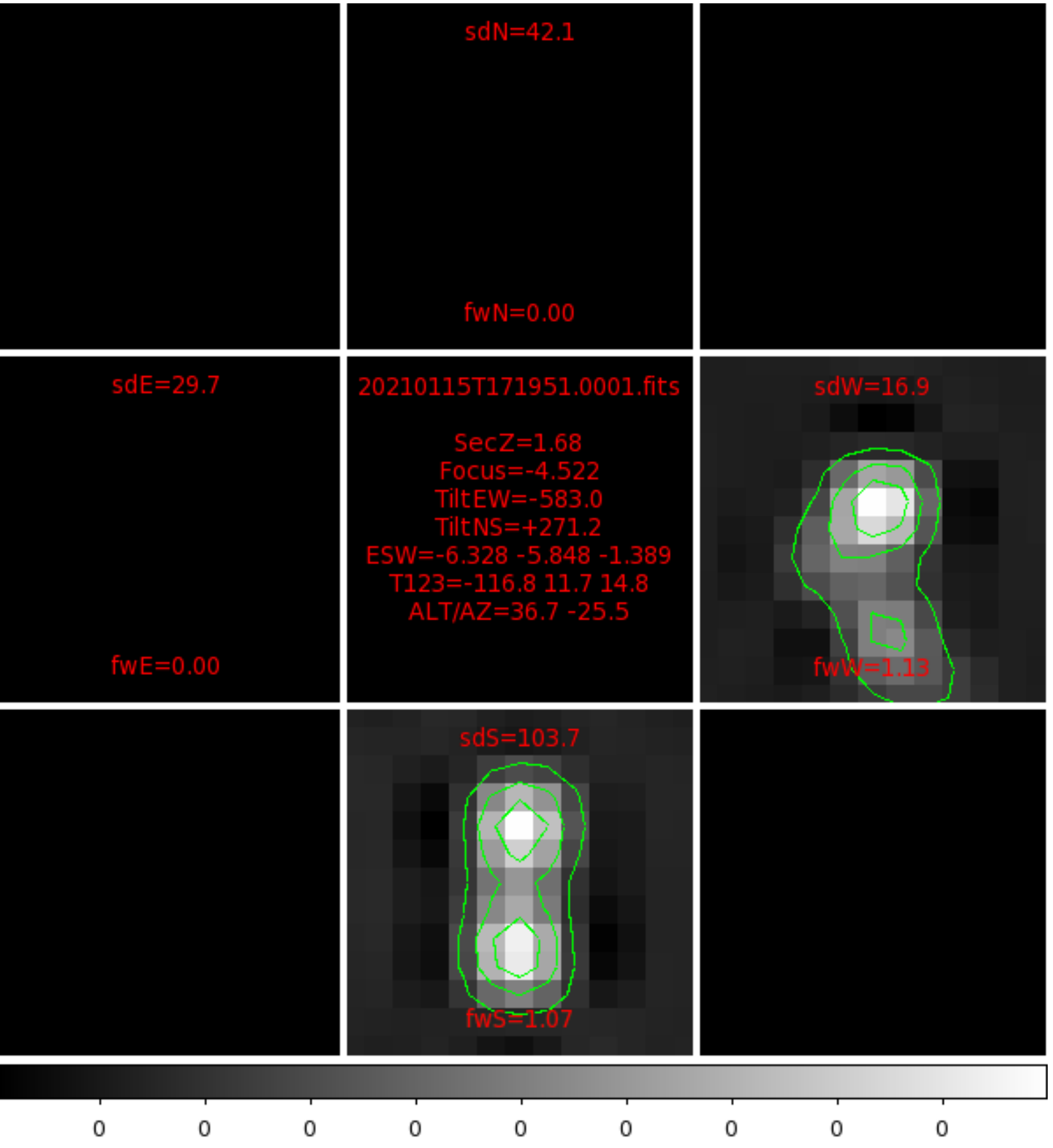
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fwN=0.00
sdE=29.7
fwE=0.00
20210115T171951.0001.fits
SecZ=1.68
Focus=-4.522
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.328 -5.848 -1.389
T123=-116.8 11.7 14.8
ALT/AZ=36.7 -25.5
sdW=16.9
fwW=1.13
sdS=103.7
fwS=1.07
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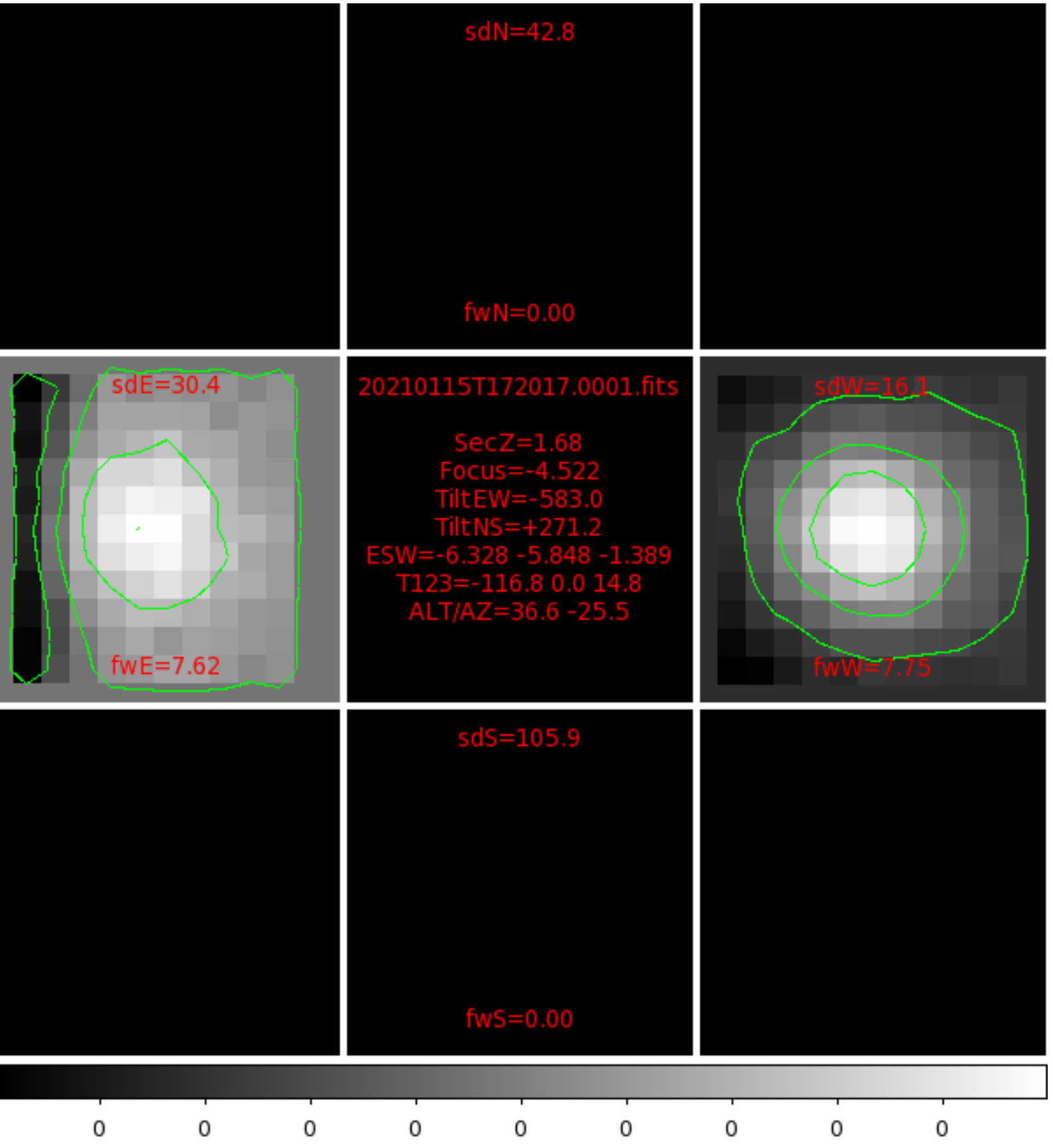
sdN=42.8
fwN=0.00
sdE=30.4
fwE=7.62
20210115T172017.0001.fits
SecZ=1.68
Focus=-4.522
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.328 -5.848 -1.389
T123=-116.8 0.0 14.8
ALT/AZ=36.6 -25.5
sdW=16.1
fwW=7.75
sdS=105.9
fwS=0.00
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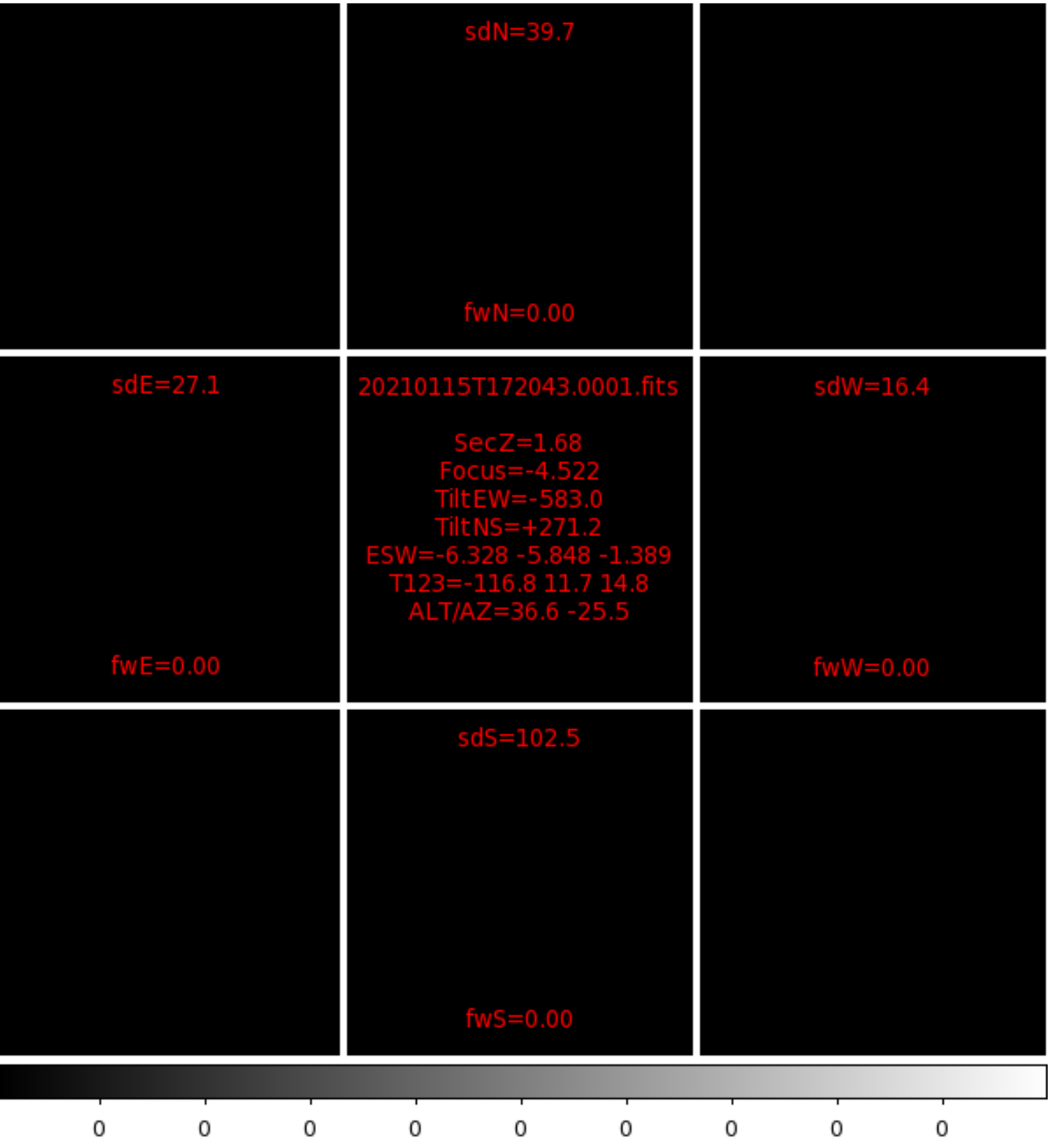
sdN=39.7
fwN=0.00
sdE=27.1
fwE=0.00
20210115T172043.0001.fits
SecZ=1.68
Focus=-4.522
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.328 -5.848 -1.389
T123=-116.8 11.7 14.8
ALT/AZ=36.6 -25.5
sdW=16.4
fwW=0.00
sdS=102.5
fwS=0.00
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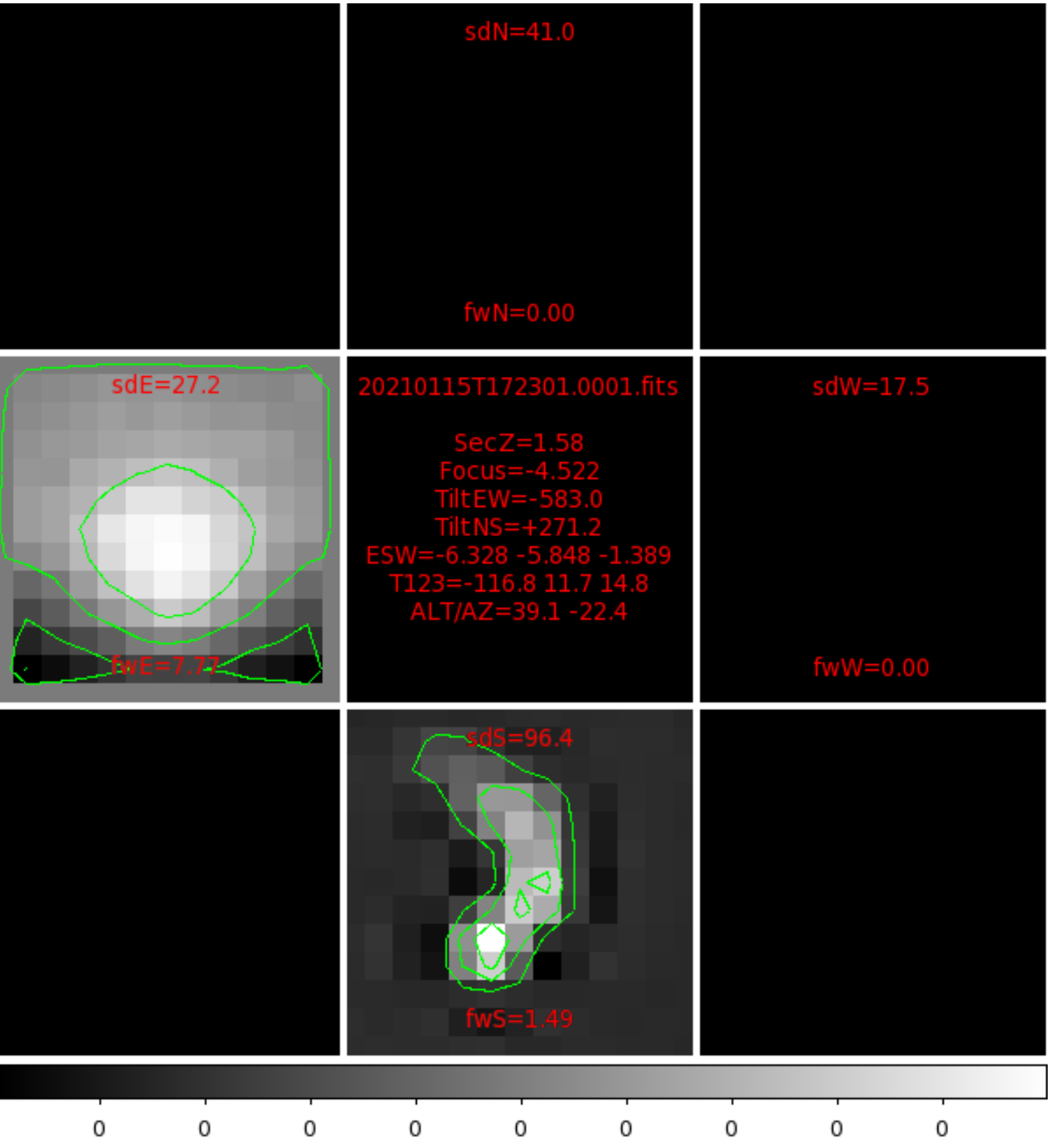
sdN=41.0
fwN=0.00
sdE=27.2
fwE=7.77
20210115T172301.0001.fits
SecZ=1.58
Focus=-4.522
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.328 -5.848 -1.389
T123=-116.8 11.7 14.8
ALT/AZ=39.1 -22.4
sdW=17.5
fwW=0.00
sdS=96.4
fwS=1.49
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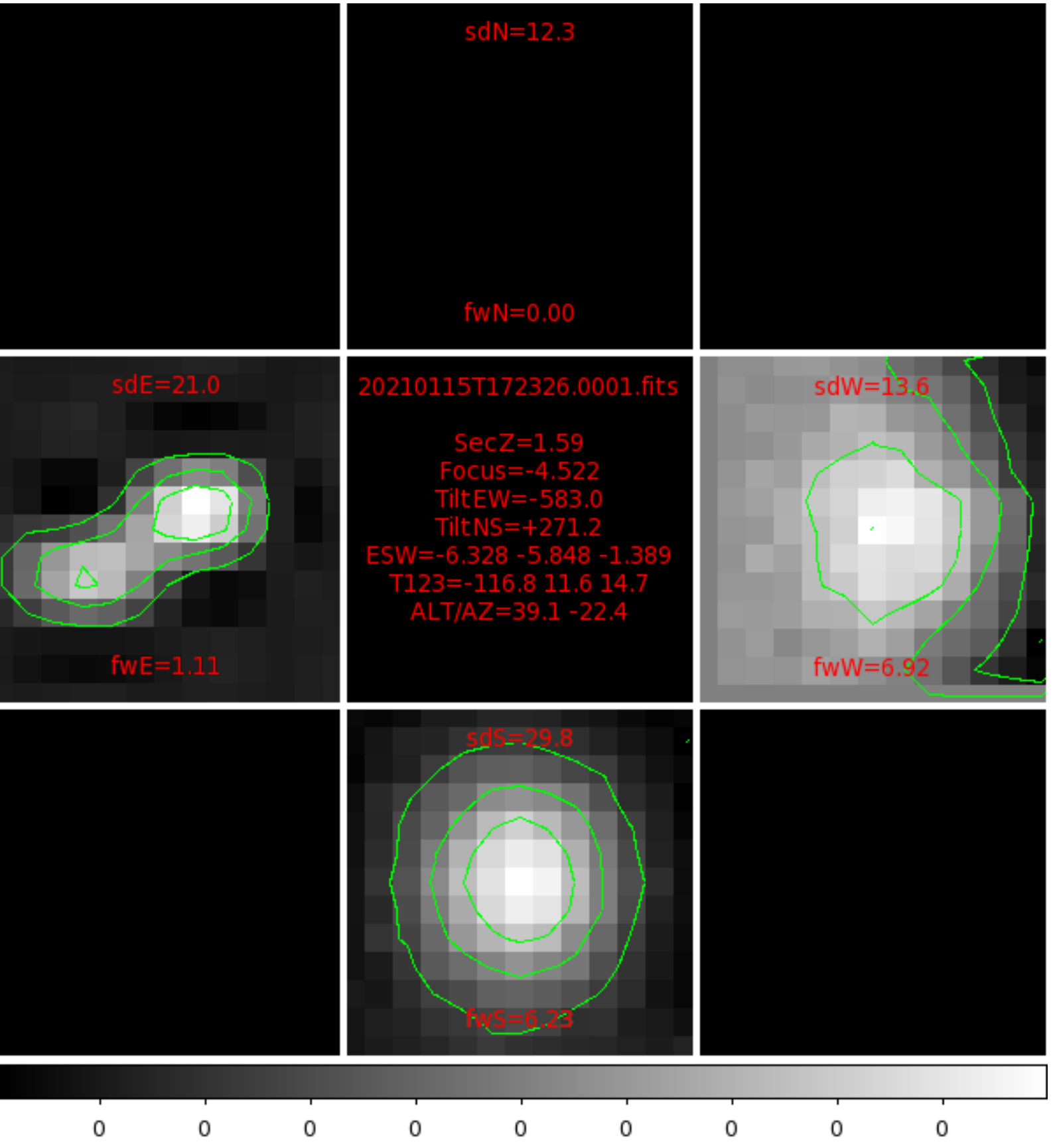
sdN=12.3
fwN=0.00
sdE=21.0
fwE=1.11
20210115T172326.0001.fits
SecZ=1.59
Focus=-4.522
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.328 -5.848 -1.389
T123=-116.8 11.6 14.7
ALT/AZ=39.1 -22.4
sdW=13.6
fwW=6.92
sdS=29.8
fwS=6.23
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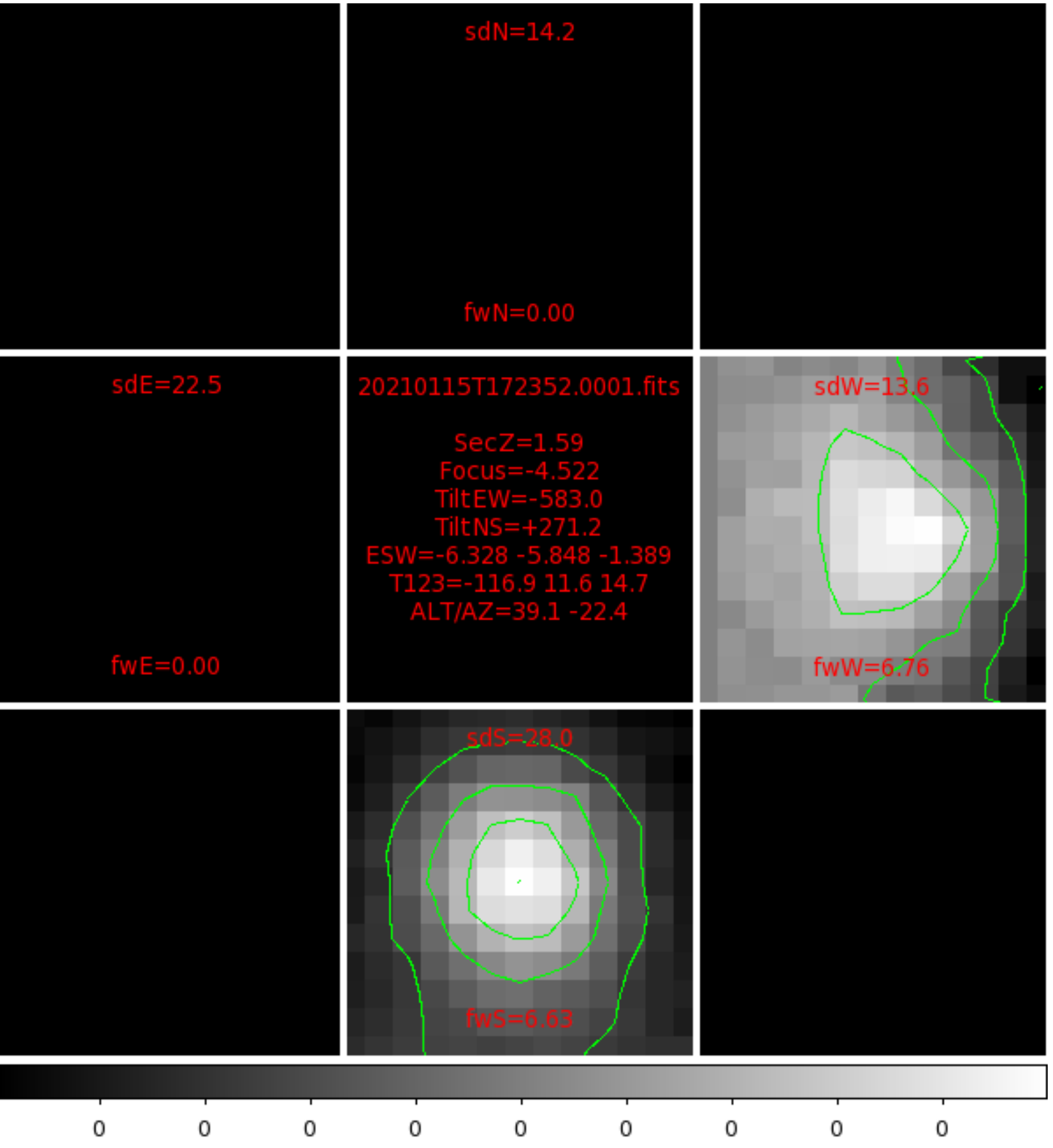
sdN=14.2
fwN=0.00
sdE=22.5
fwE=0.00
20210115T172352.0001.fits
SecZ=1.59
Focus=-4.522
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.328 -5.848 -1.389
T123=-116.9 11.6 14.7
ALT/AZ=39.1 -22.4
sdW=13.6
fwW=6.76
sdS=28.0
fwS=6.63
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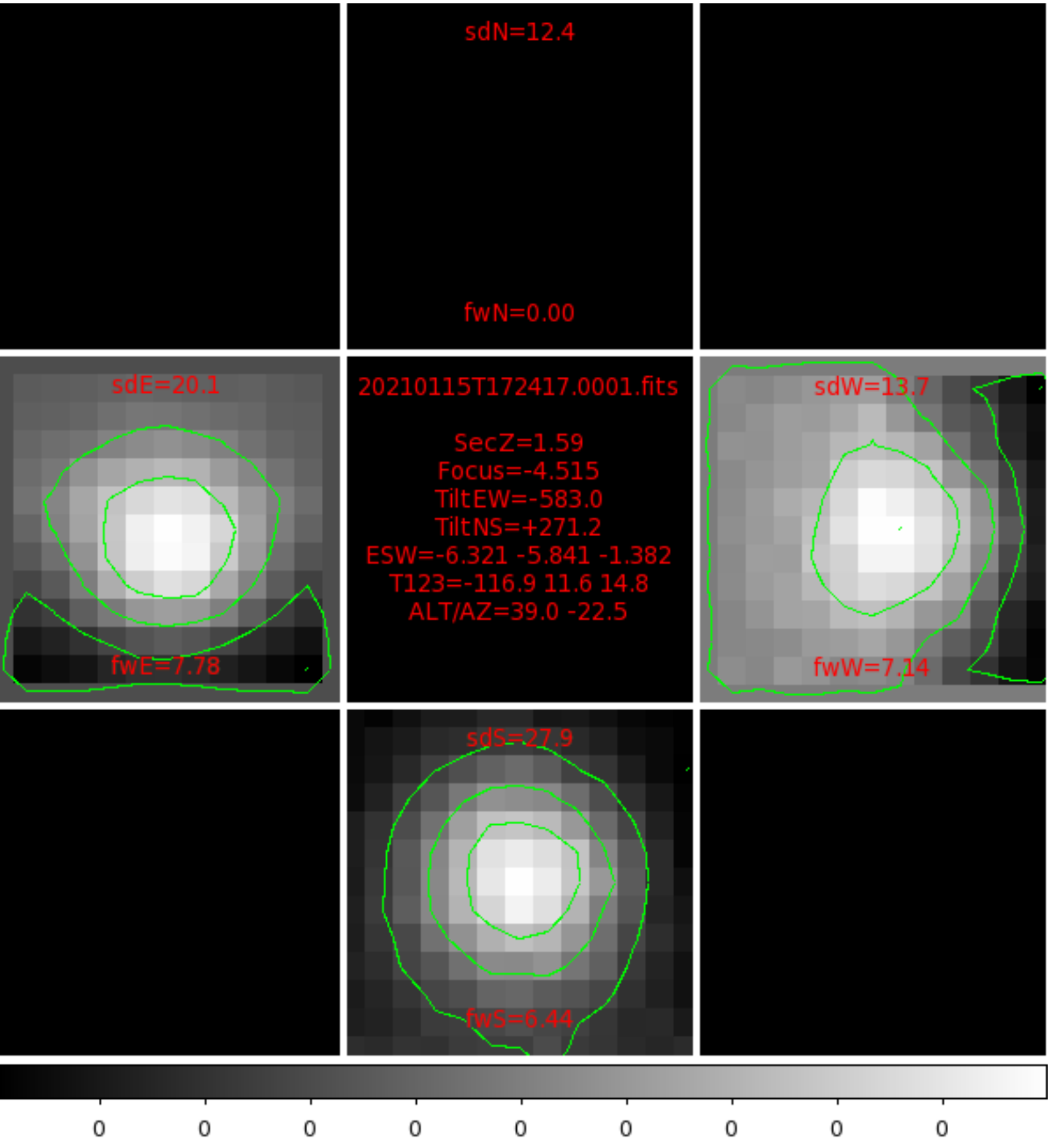
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fwN=0.00
sdE=20.1
fwE=7.78
20210115T172417.0001.fits
SecZ=1.59
Focus=-4.515
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.321 -5.841 -1.382
T123=-116.9 11.6 14.8
ALT/AZ=39.0 -22.5
sdW=13.7
fwW=7.14
sdS=27.9
fwS=6.44
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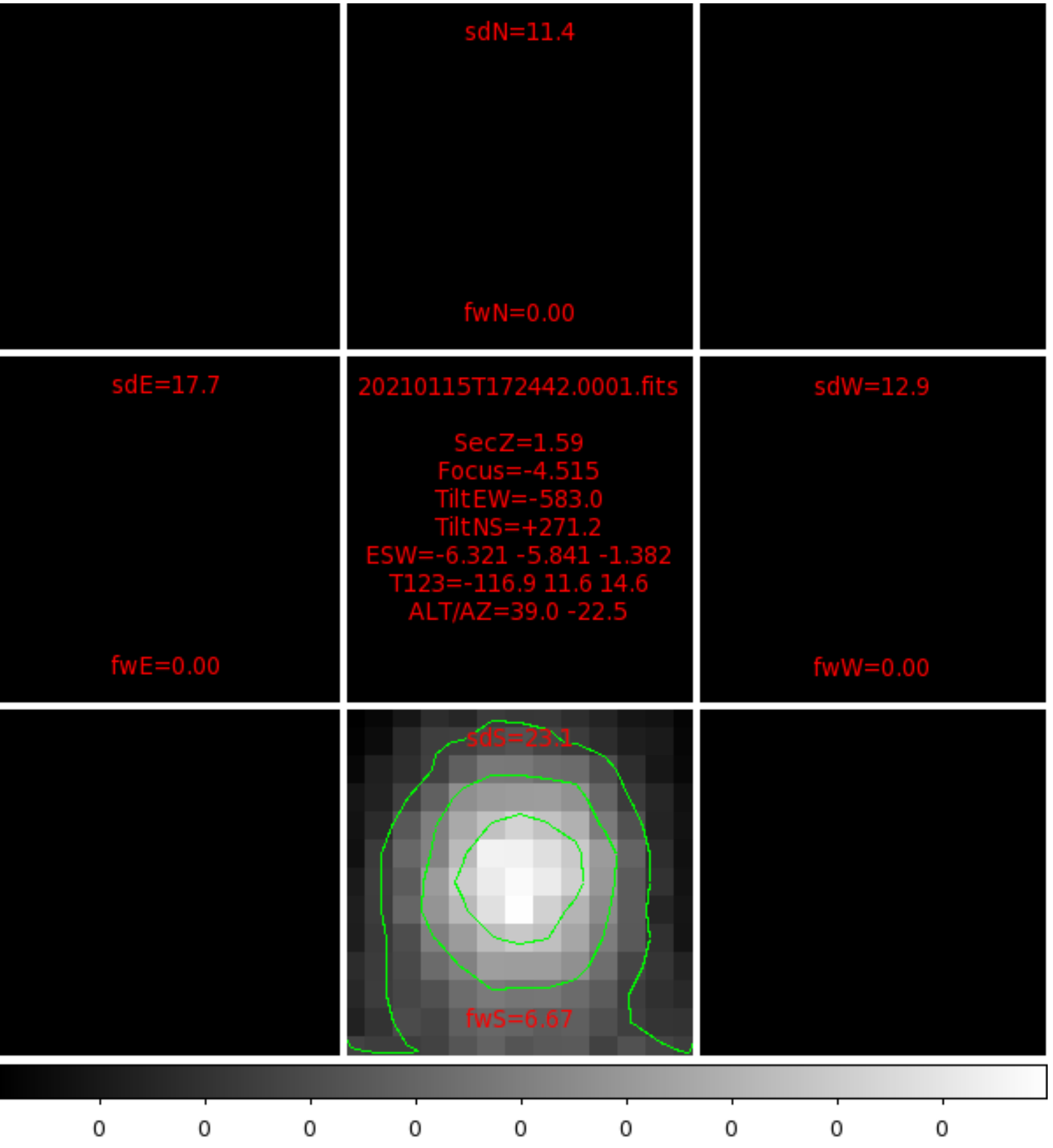
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fwN=0.00
sdE=17.7
20210115T172442.0001.fits
SecZ=1.59
Focus=-4.515
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.321 -5.841 -1.382
T123=-116.9 11.6 14.6
ALT/AZ=39.0 -22.5
sdW=12.9
fwE=0.00
fwW=0.00
sdS=23.1
fwS=6.67
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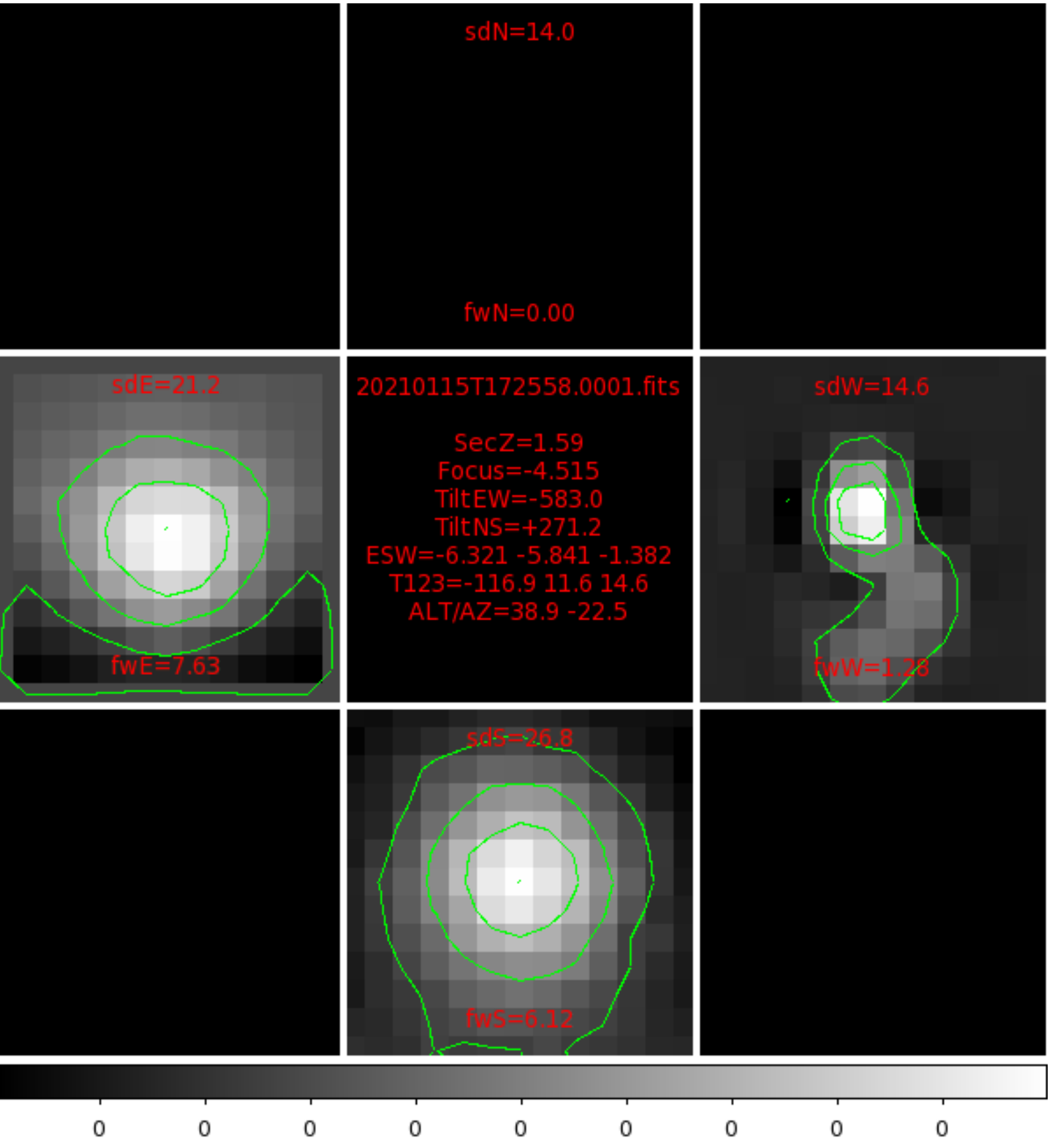
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fwN=0.00
sdE=21.2
fwE=7.63
20210115T172558.0001.fits
SecZ=1.59
Focus=-4.515
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.321 -5.841 -1.382
T123=-116.9 11.6 14.6
ALT/AZ=38.9 -22.5
sdW=14.6
fwW=1.28
sdS=26.8
fwS=6.12
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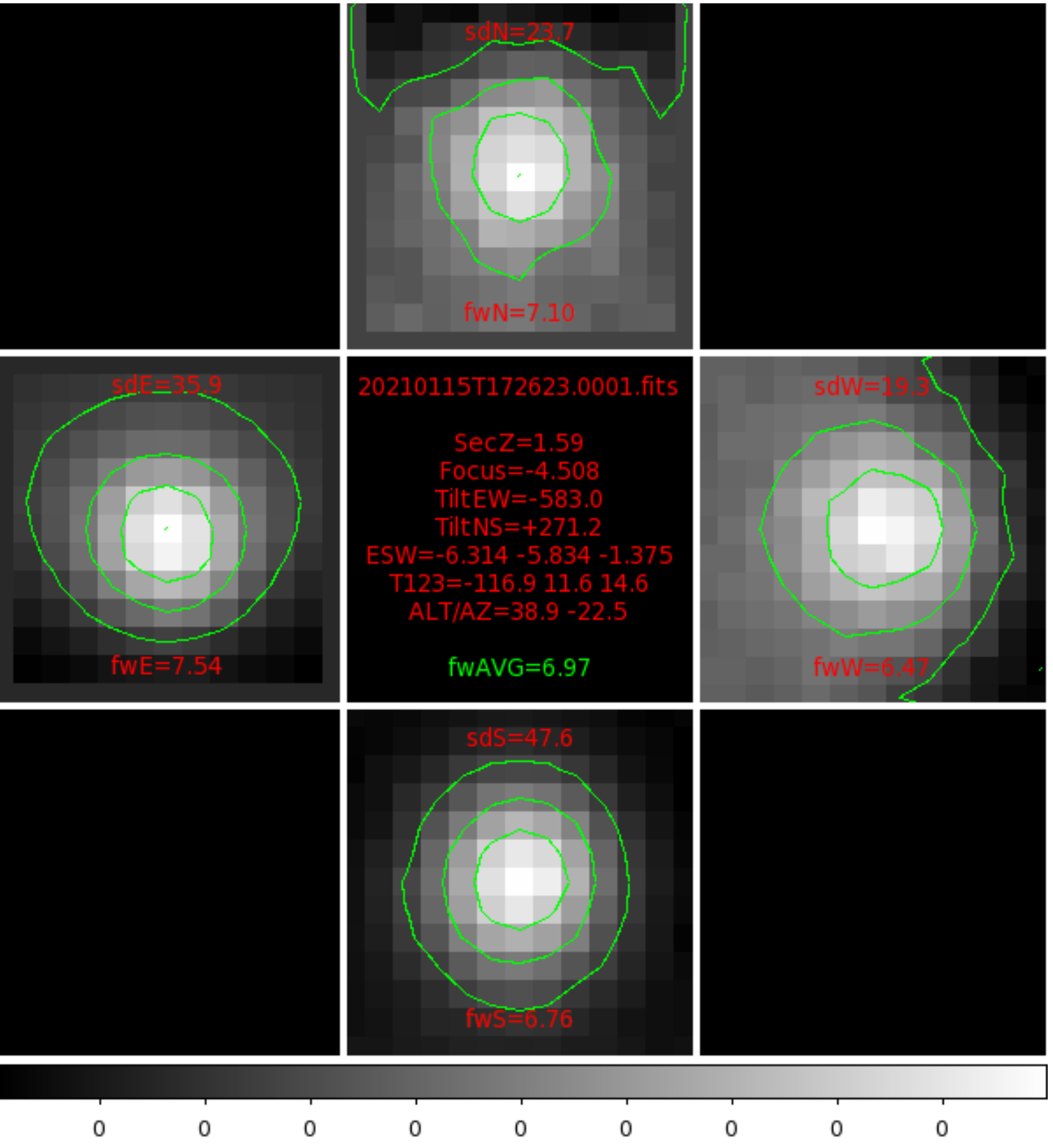
sdN=23.7
fwN=7.10
sdE=35.9
fwE=7.54
20210115T172623.0001.fits
SecZ=1.59
Focus=-4.508
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.314 -5.834 -1.375
T123=-116.9 11.6 14.6
ALT/AZ=38.9 -22.5
fwAVG=6.97
sdW=19.3
fwW=6.47
sdS=47.6
fwS=6.76
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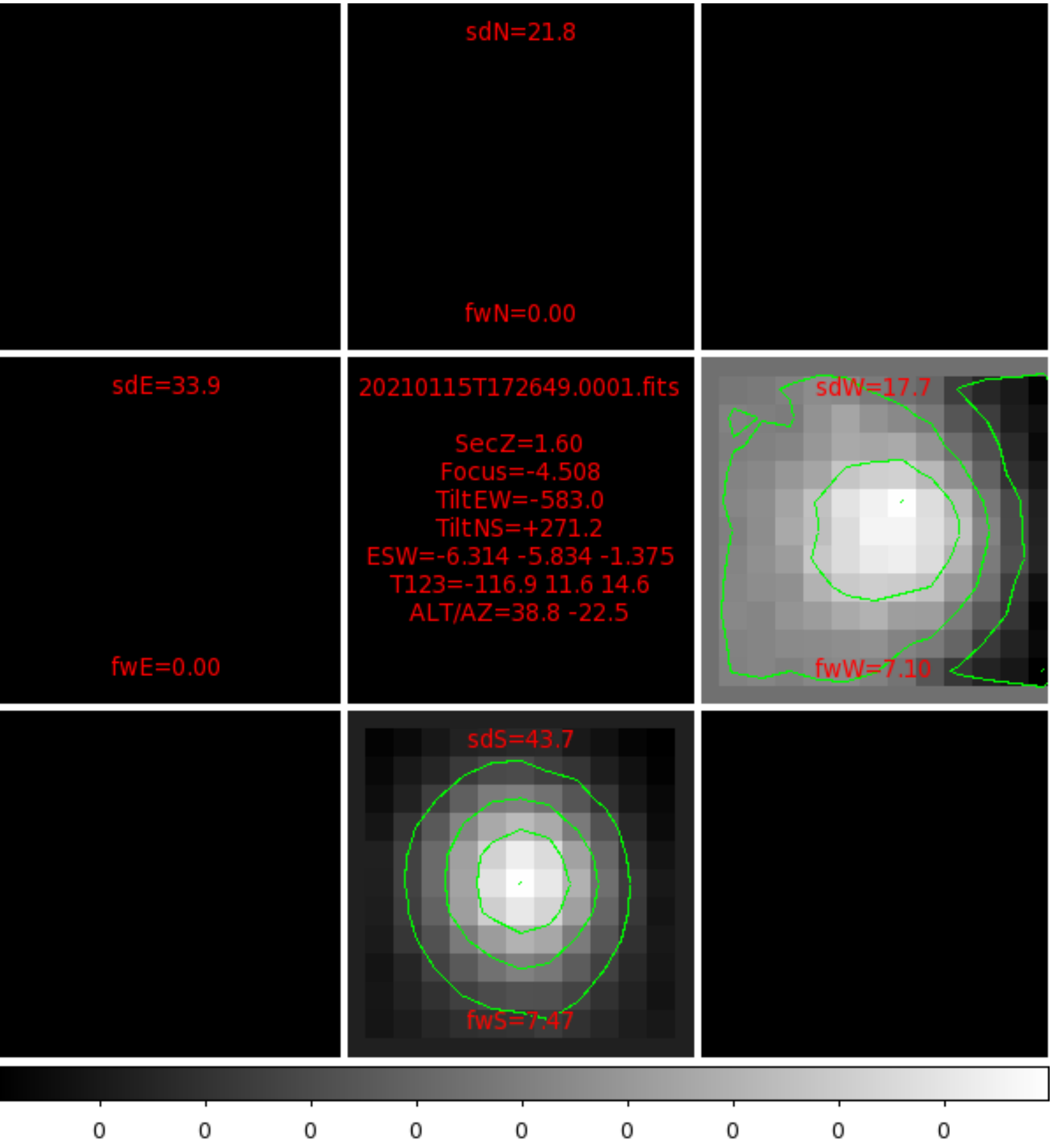
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fwN=0.00
sdE=33.9
20210115T172649.0001.fits
SecZ=1.60
Focus=-4.508
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.314 -5.834 -1.375
T123=-116.9 11.6 14.6
ALT/AZ=38.8 -22.5
sdW=17.7
fwE=0.00
fwW=7.10
sdS=43.7
fwS=7.47
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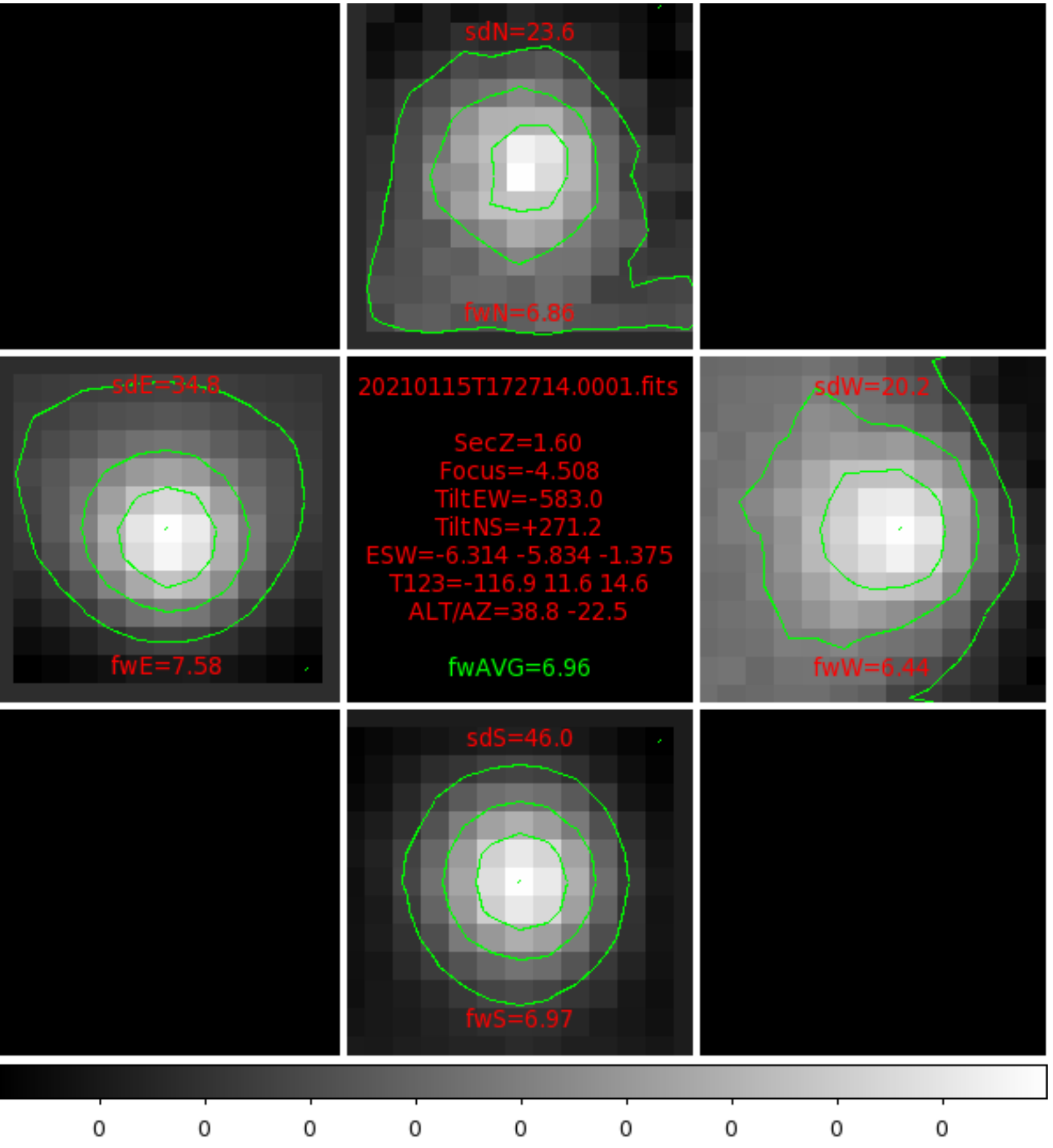
sdN=23.6
fwN=6.86
sdE=34.8
fwE=7.58
20210115T172714.0001.fits
SecZ=1.60
Focus=-4.508
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.314 -5.834 -1.375
T123=-116.9 11.6 14.6
ALT/AZ=38.8 -22.5
fwAVG=6.96
sdW=20.2
fwW=6.44
sdS=46.0
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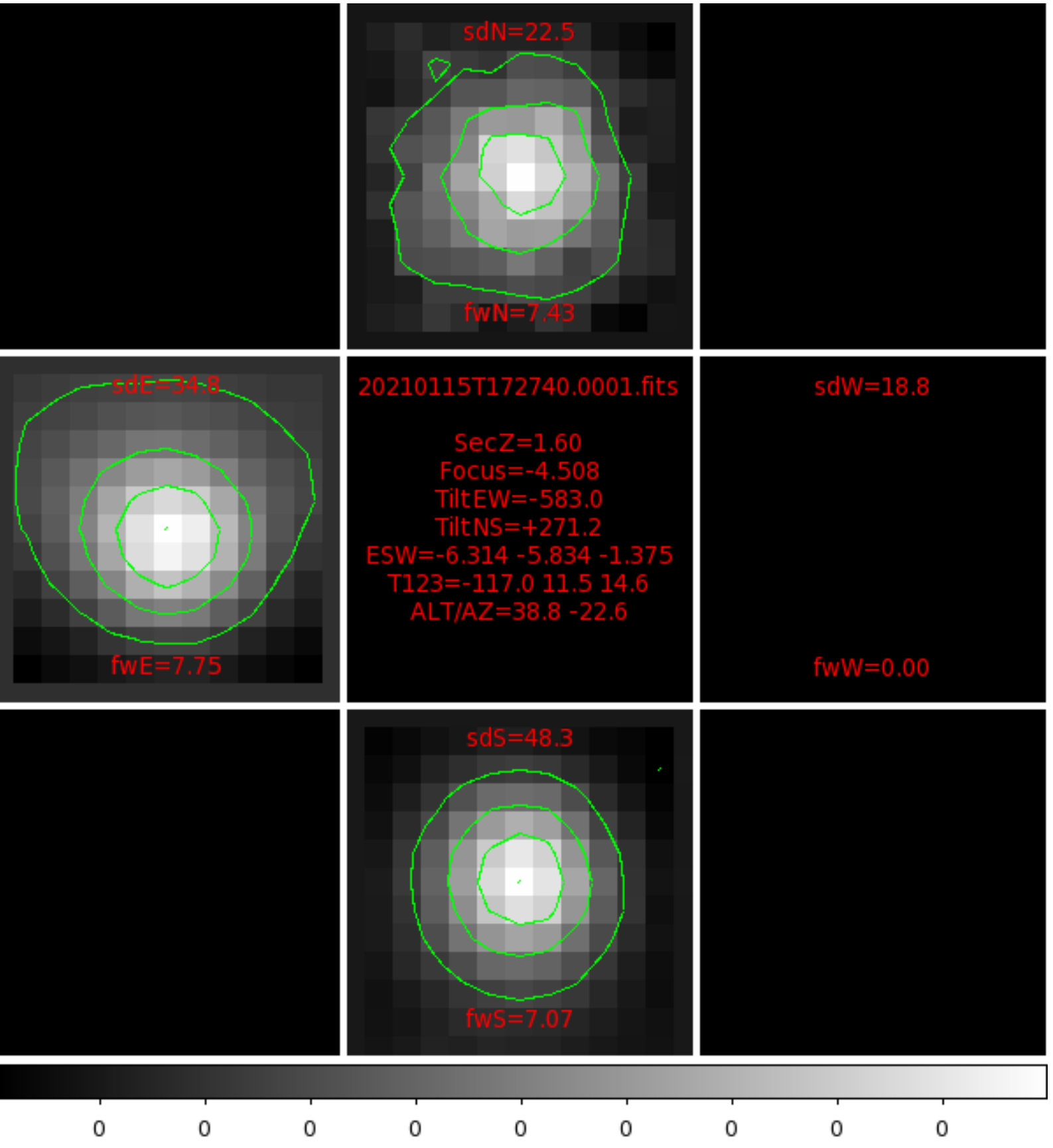
sdN=22.5
fwN=7.43
sdE=34.8
fwE=7.75
20210115T172740.0001.fits
SecZ=1.60
Focus=-4.508
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.314 -5.834 -1.375
T123=-117.0 11.5 14.6
ALT/AZ=38.8 -22.6
sdW=18.8
fwW=0.00
sdS=48.3
fwS=7.07
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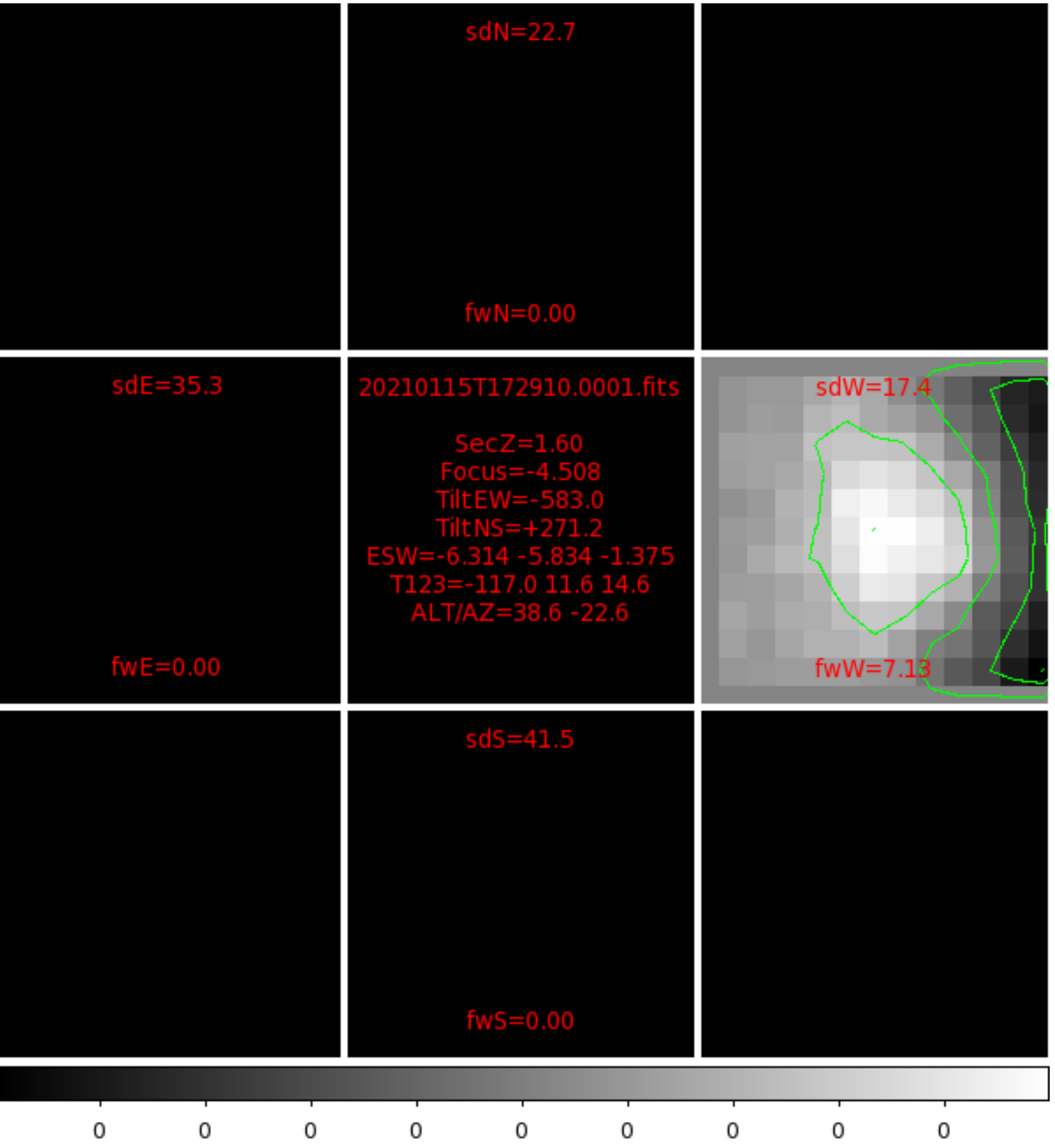
sdN=22.7
fwN=0.00
sdE=35.3
20210115T172910.0001.fits
SecZ=1.60
Focus=-4.508
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.314 -5.834 -1.375
T123=-117.0 11.6 14.6
ALT/AZ=38.6 -22.6
sdW=17.4
fwE=0.00
fwW=7.13
sdS=41.5
fwS=0.00
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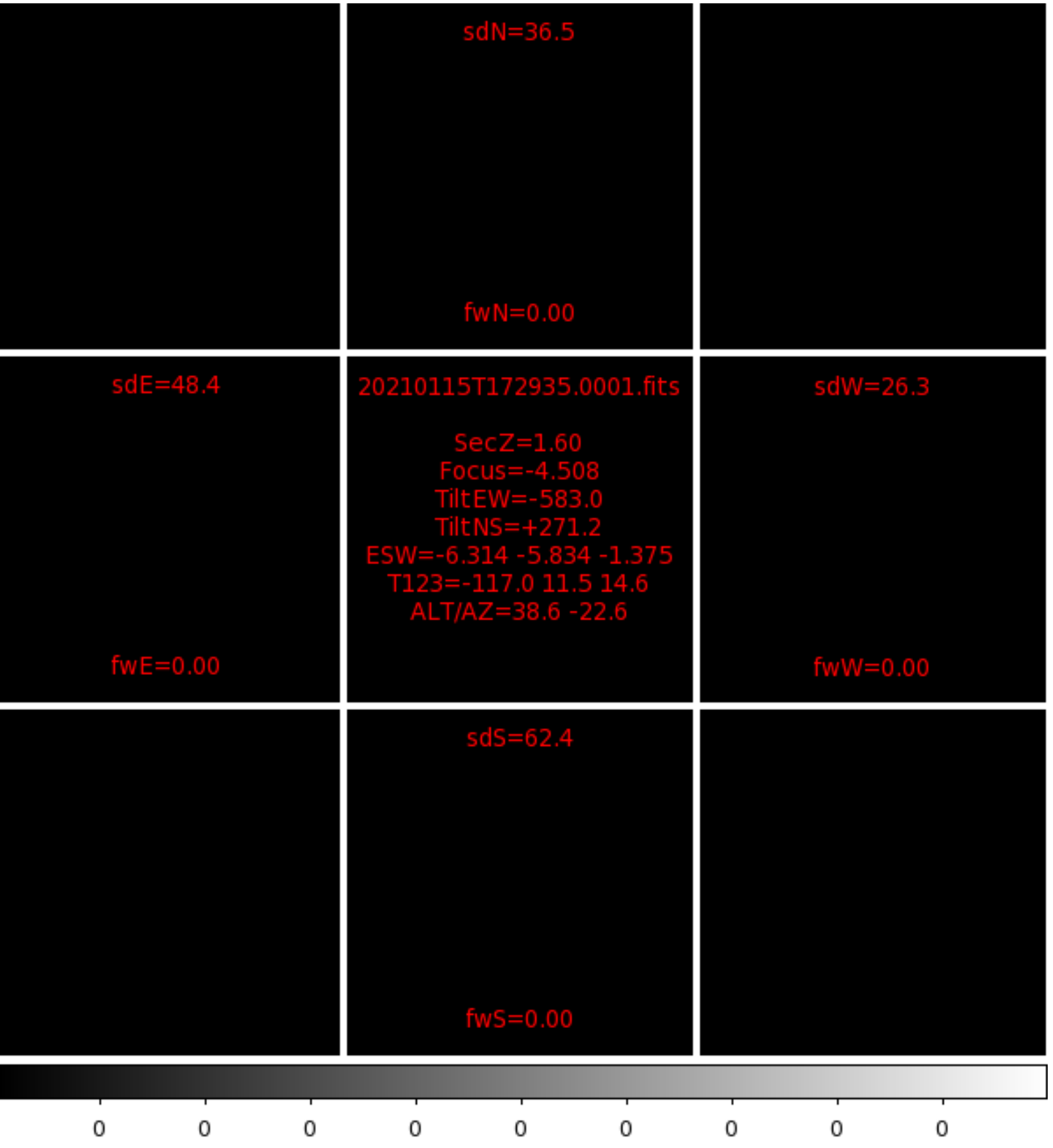
sdN=36.5
fwN=0.00
sdE=48.4
20210115T172935.0001.fits
SecZ=1.60
Focus=-4.508
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.314 -5.834 -1.375
T123=-117.0 11.5 14.6
ALT/AZ=38.6 -22.6
sdW=26.3
fwE=0.00
fwW=0.00
sdS=62.4
fwS=0.00
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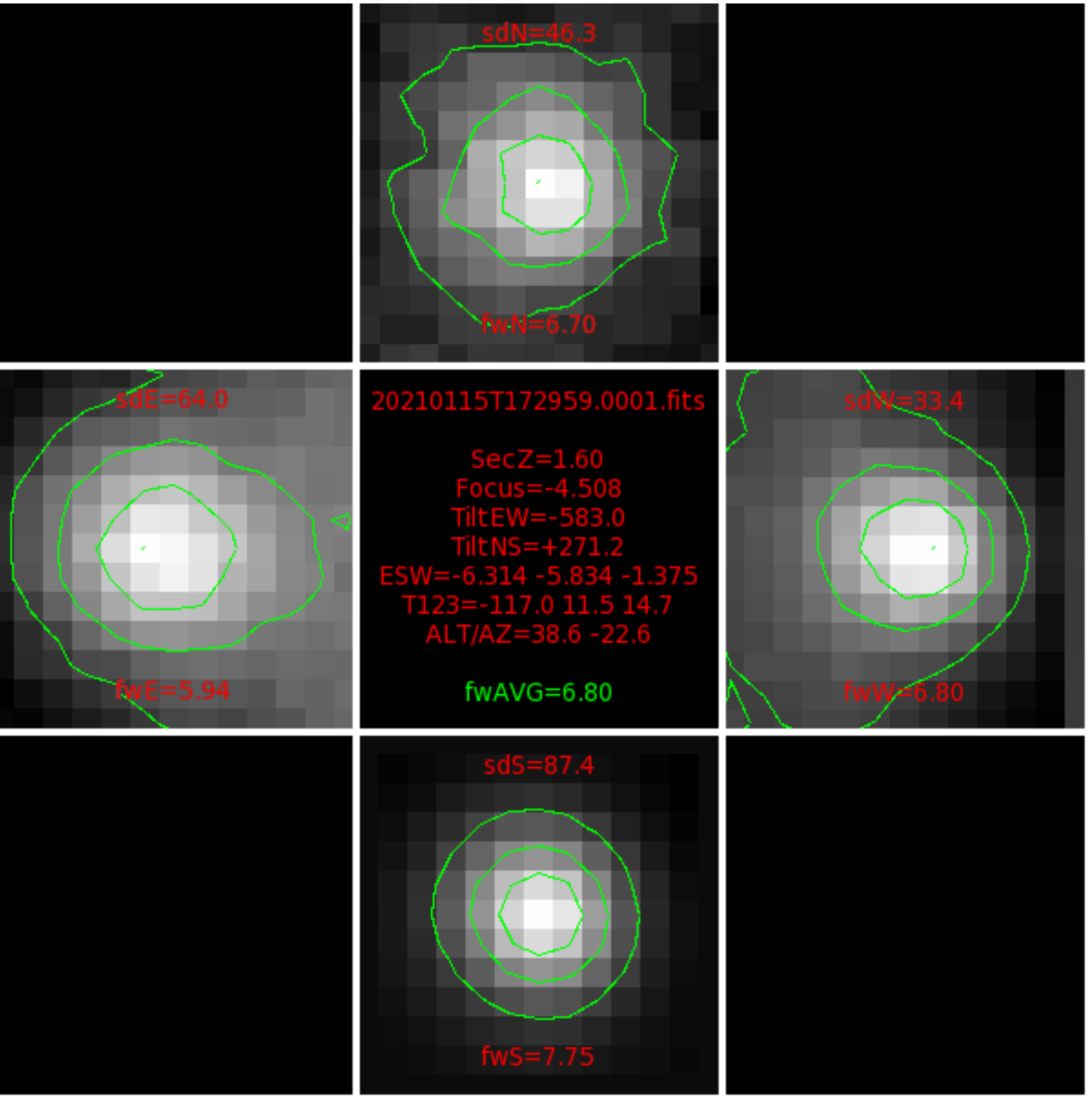
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fwN=6.70
sdE=64.0
fwE=5.94
20210115T172959.0001.fits
SecZ=1.60
Focus=-4.508
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.314 -5.834 -1.375
T123=-117.0 11.5 14.7
ALT/AZ=38.6 -22.6
fwAVG=6.80
sdW=33.4
fwW=6.80
sdS=87.4
fwS=7.75
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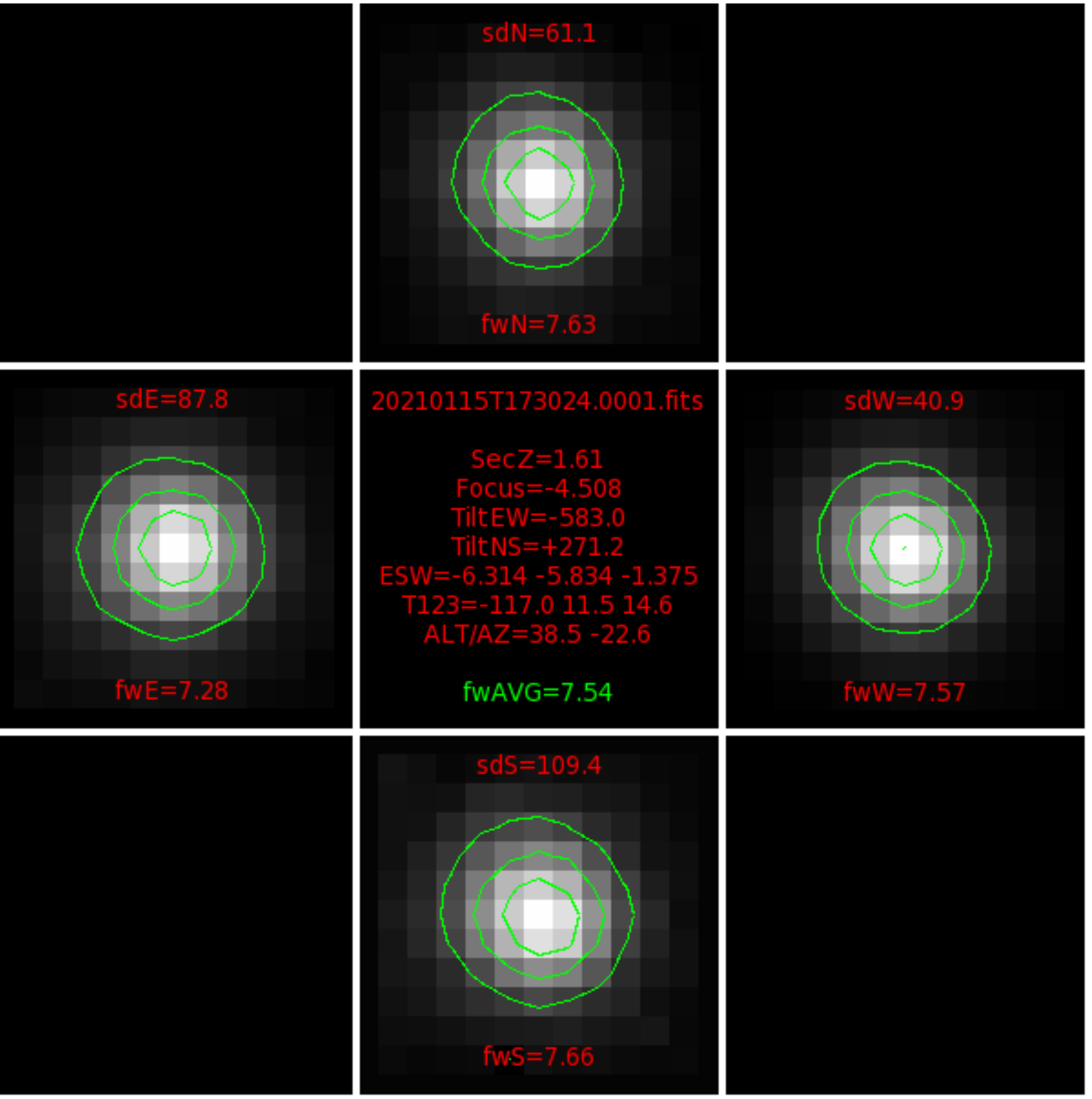
sdN=61.1
fwN=7.63
sdE=87.8
fwE=7.28
20210115T173024.0001.fits
SecZ=1.61
Focus=-4.508
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.314 -5.834 -1.375
T123=-117.0 11.5 14.6
ALT/AZ=38.5 -22.6
fwAVG=7.54
sdW=40.9
fwW=7.57
sdS=109.4
fwS=7.66
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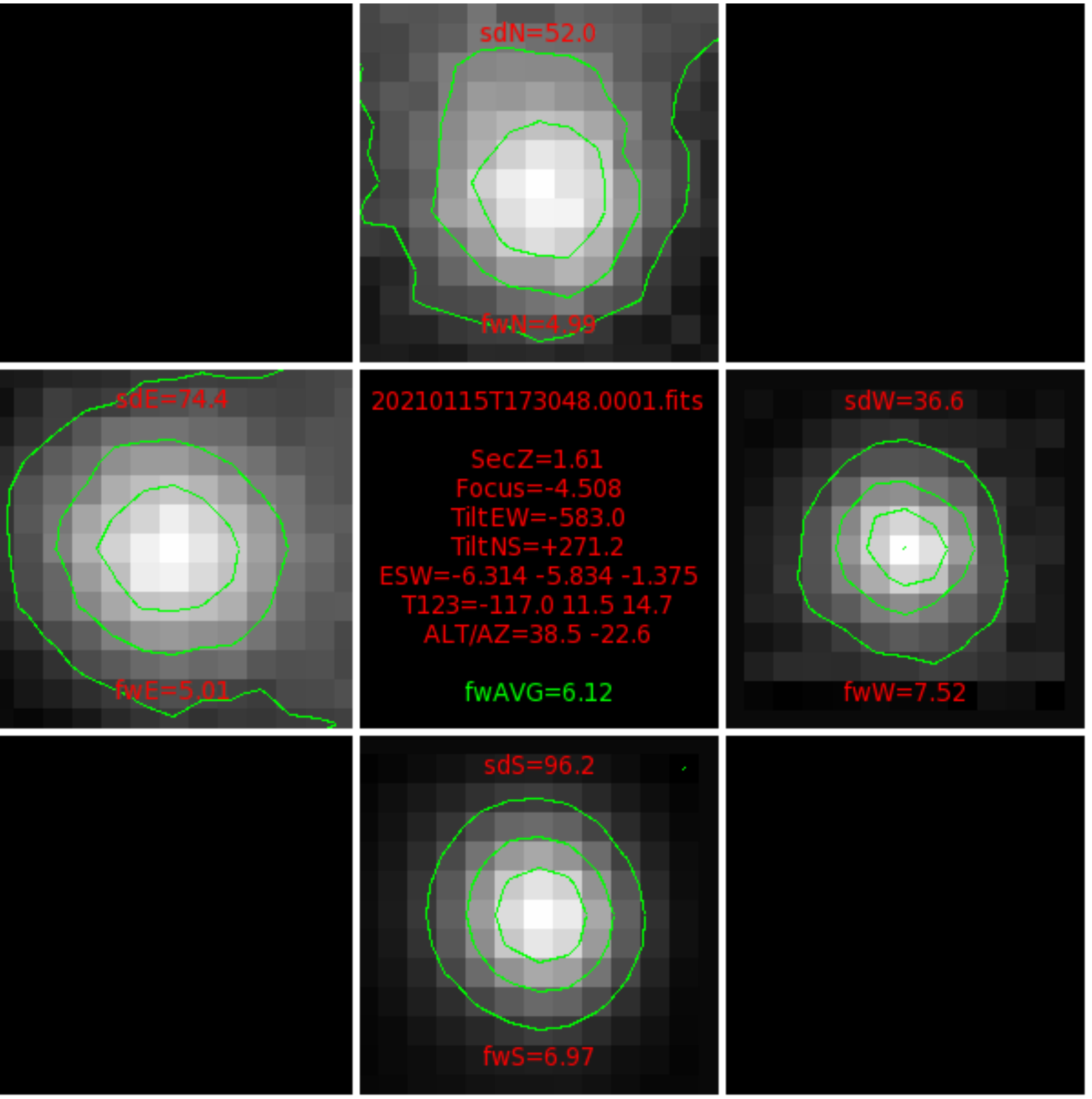
sdN=52.0
fwN=4.99
sdE=74.4
fwE=5.01
20210115T173048.0001.fits
SecZ=1.61
Focus=-4.508
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.314 -5.834 -1.375
T123=-117.0 11.5 14.7
ALT/AZ=38.5 -22.6
fwAVG=6.12
sdW=36.6
fwW=7.52
sdS=96.2
fwS=6.97
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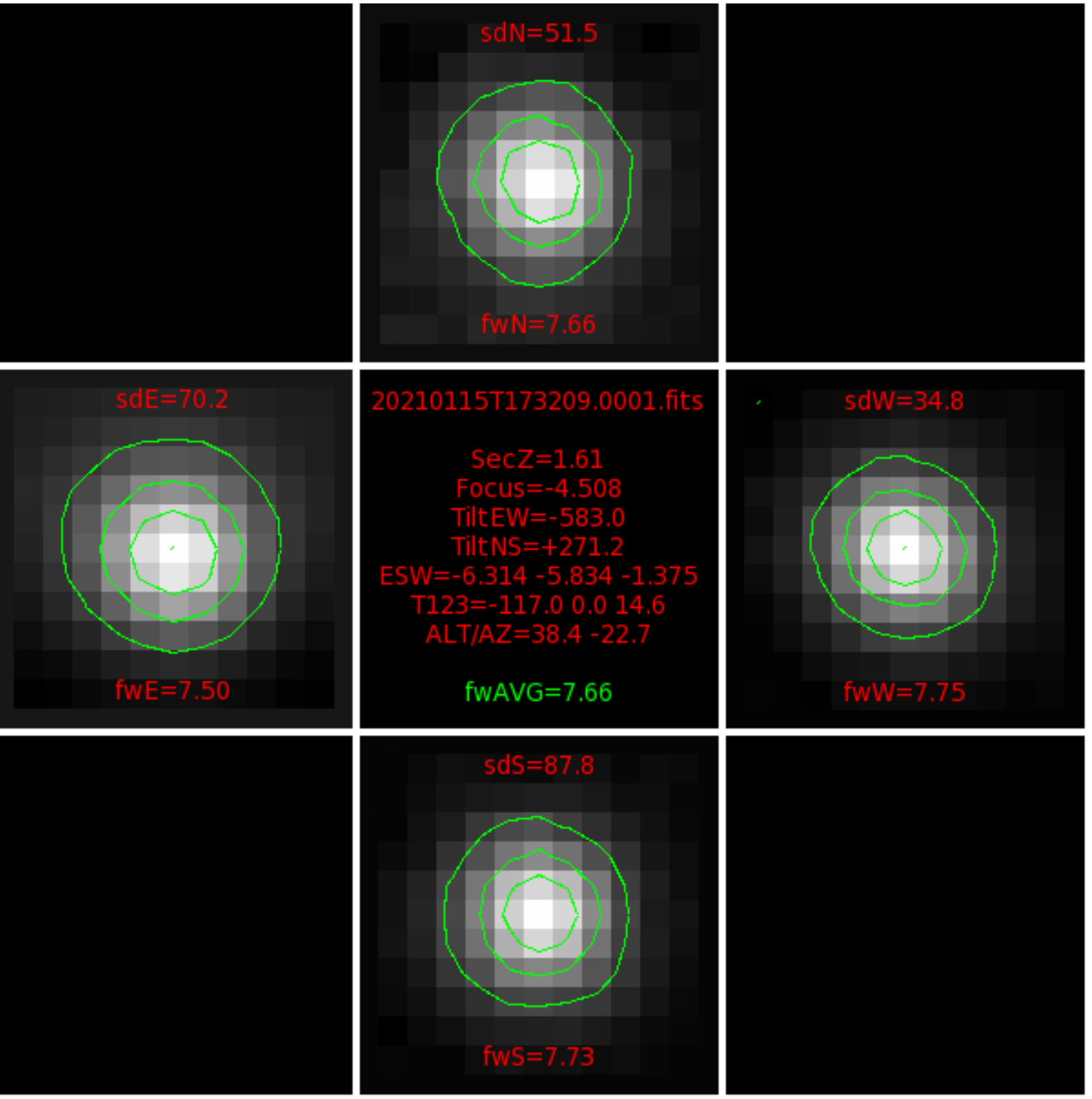
sdN=51.5
fwN=7.66
sdE=70.2
fwE=7.50
20210115T173209.0001.fits
SecZ=1.61
Focus=-4.508
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.314 -5.834 -1.375
T123=-117.0 0.0 14.6
ALT/AZ=38.4 -22.7
fwAVG=7.66
sdW=34.8
fwW=7.75
sdS=87.8
fwS=7.73
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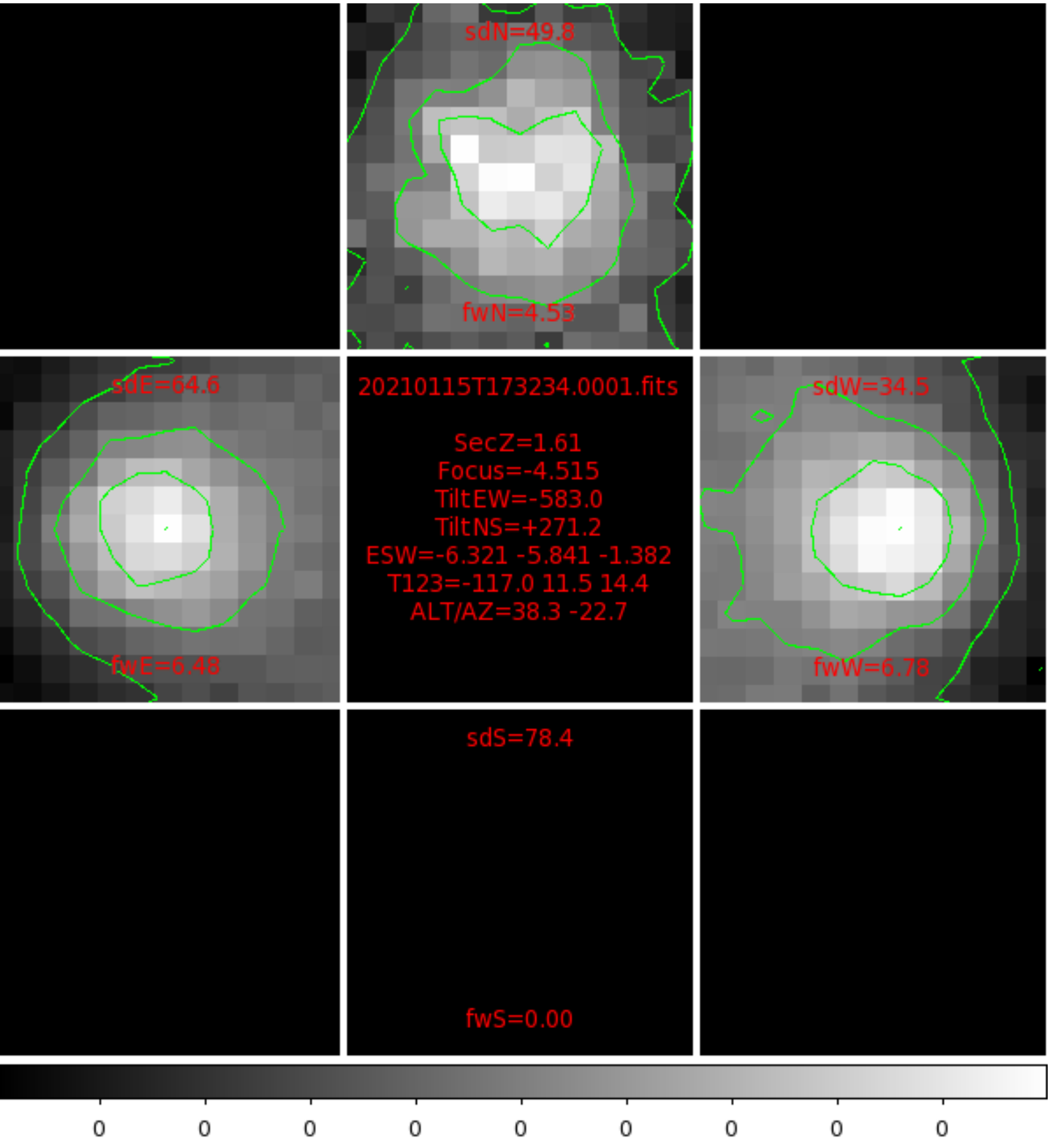
sdN=49.8
fwN=4.53
sdE=64.6
fwE=6.48
20210115T173234.0001.fits
SecZ=1.61
Focus=-4.515
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.321 -5.841 -1.382
T123=-117.0 11.5 14.4
ALT/AZ=38.3 -22.7
sdW=34.5
fwW=6.78
sdS=78.4
fwS=0.00
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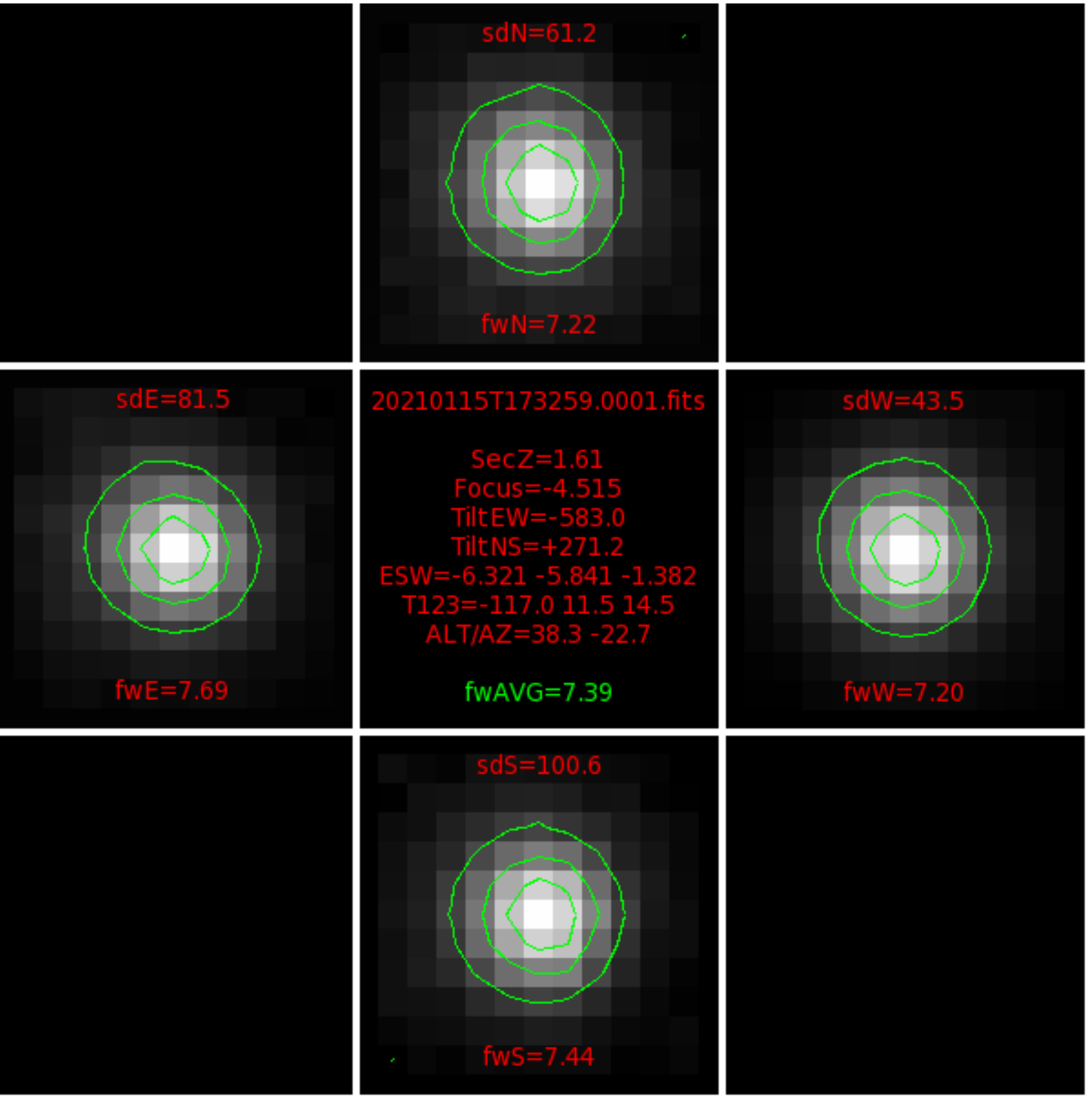
sdN=61.2
fwN=7.22
sdE=81.5
fwE=7.69
20210115T173259.0001.fits
SecZ=1.61
Focus=-4.515
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.321 -5.841 -1.382
T123=-117.0 11.5 14.5
ALT/AZ=38.3 -22.7
fwAVG=7.39
sdW=43.5
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sdS=100.6
fwS=7.44
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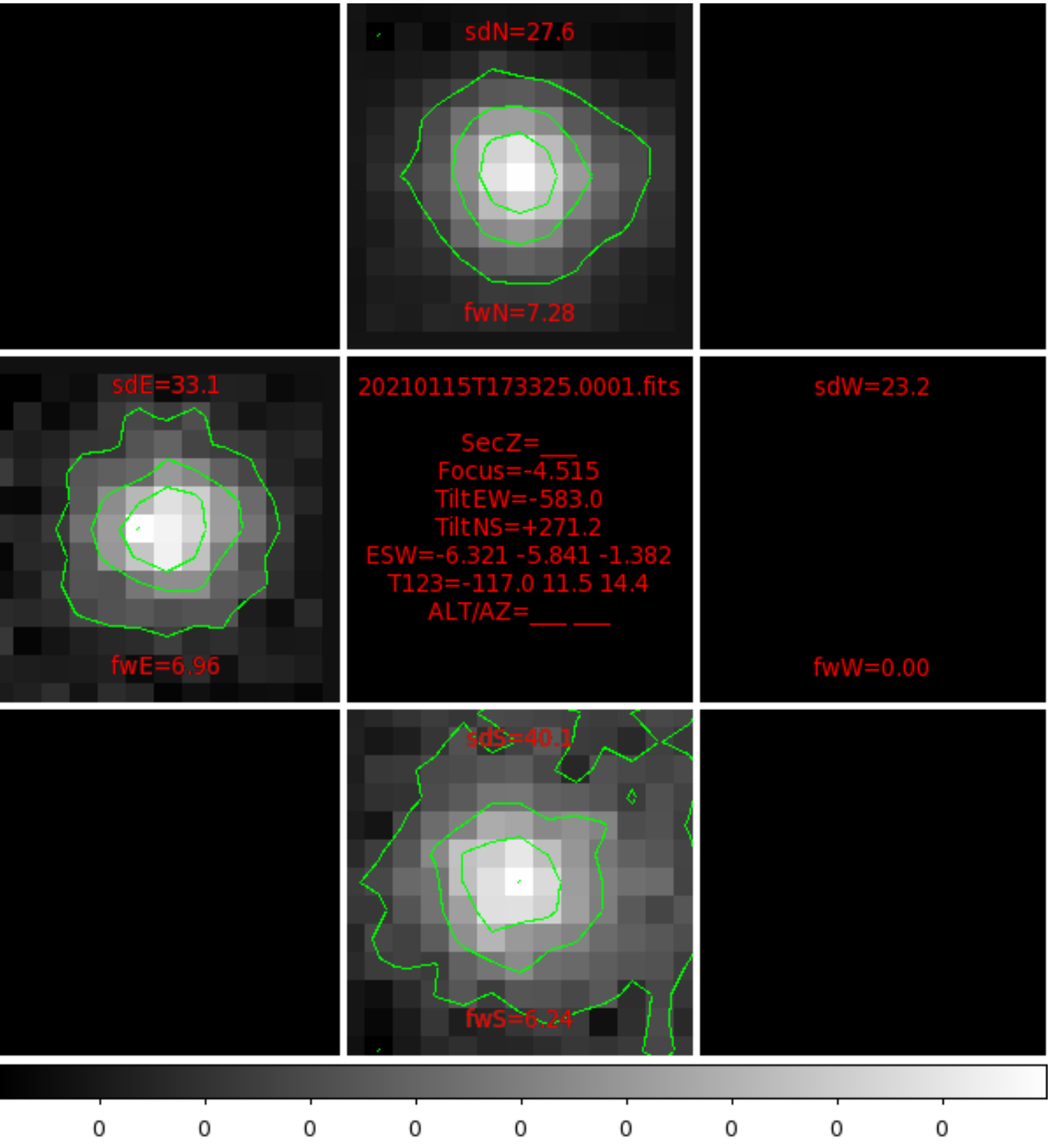
sdN=27.6
fwN=7.28
sdE=33.1
fwE=6.96
20210115T173325.0001.fits
SecZ=___
Focus=-4.515
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.321 -5.841 -1.382
T123=-117.0 11.5 14.4
ALT/AZ=___ ___
sdW=23.2
fwW=0.00
sdS=40.1
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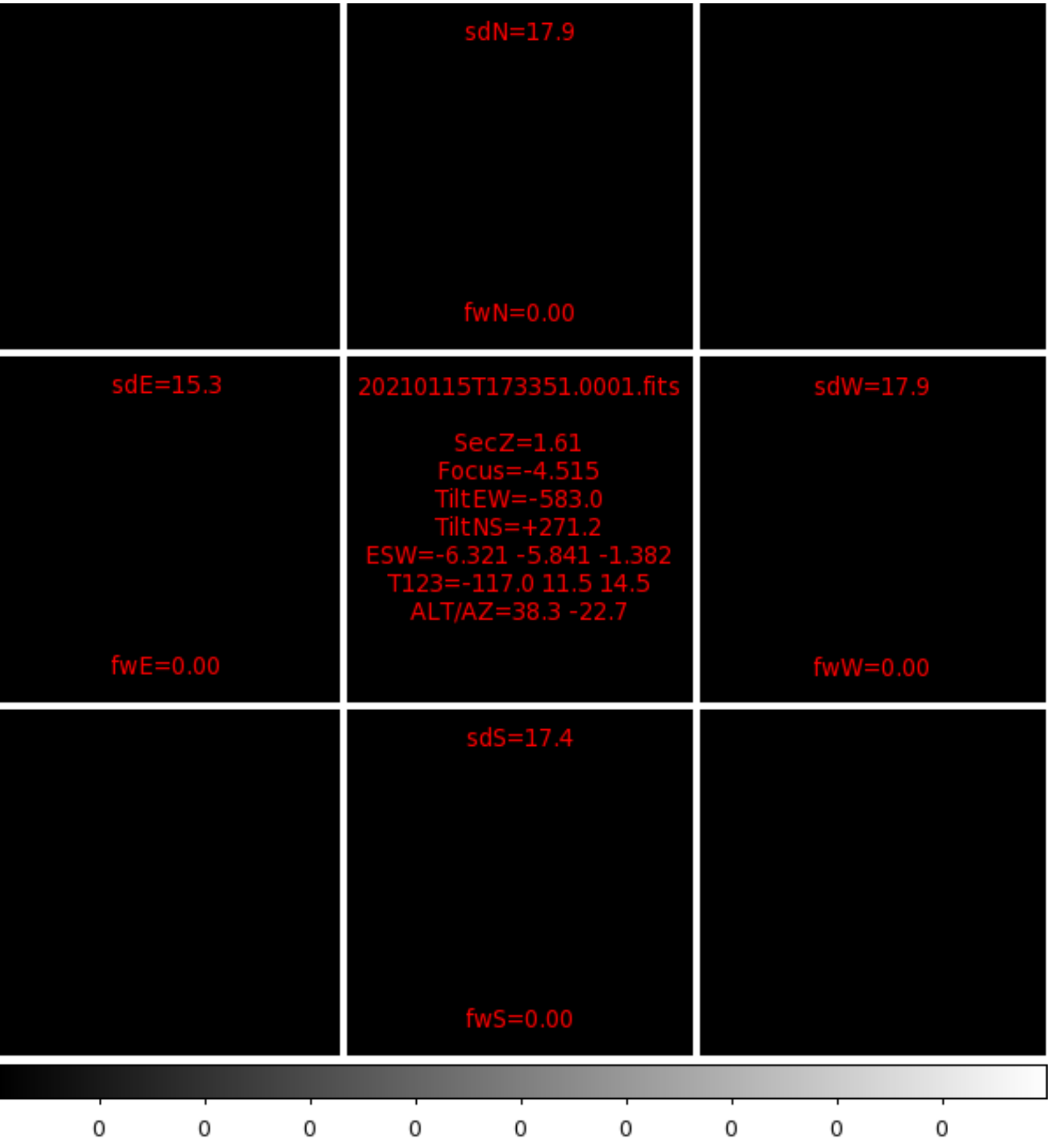
sdN=17.9
fwN=0.00
sdE=15.3
20210115T173351.0001.fits
SecZ=1.61
Focus=-4.515
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.321 -5.841 -1.382
T123=-117.0 11.5 14.5
ALT/AZ=38.3 -22.7
sdW=17.9
fwE=0.00
fwW=0.00
sdS=17.4
fwS=0.00
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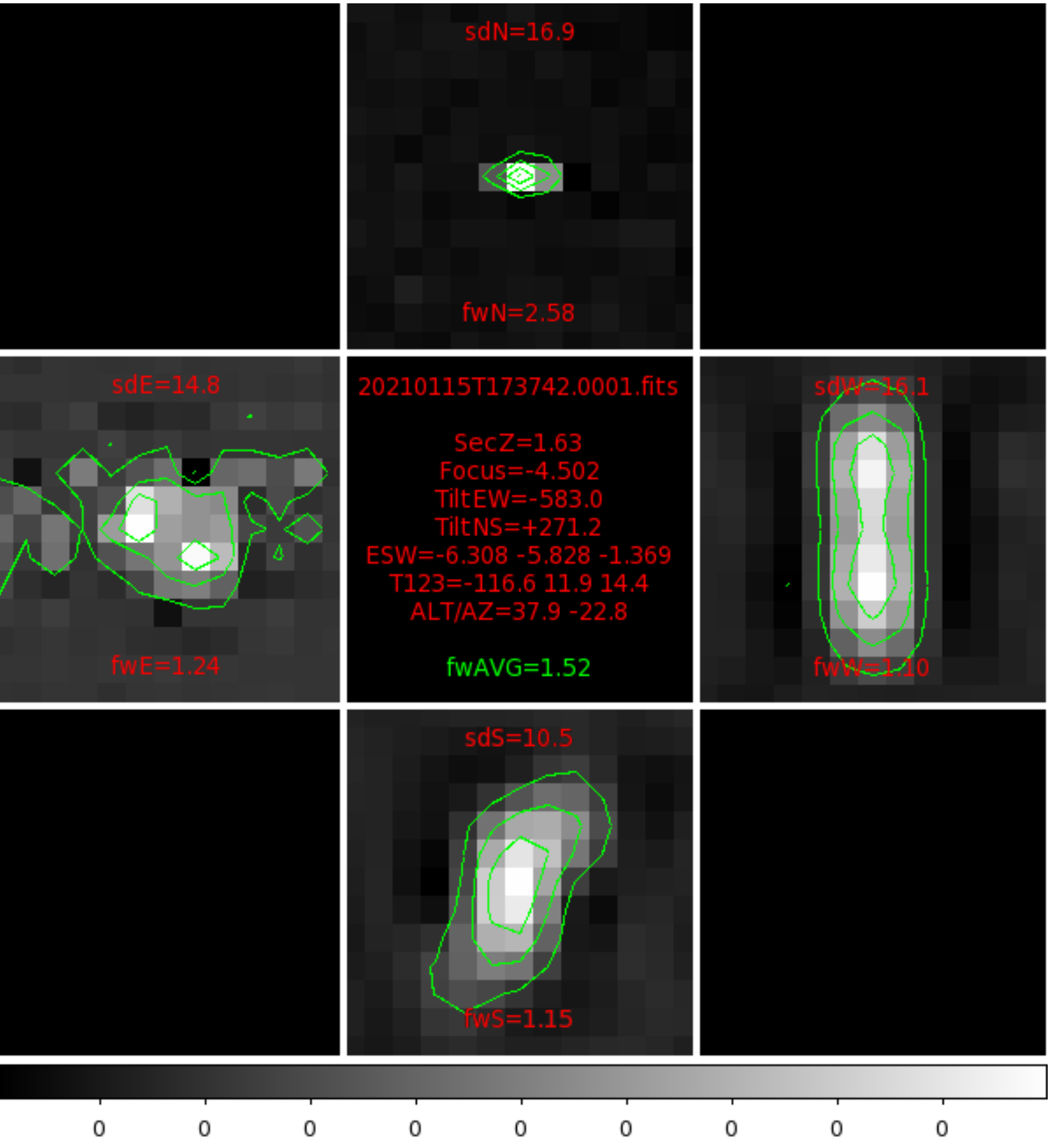
sdN=16.9
fwN=2.58
sdE=14.8
fwE=1.24
20210115T173742.0001.fits
SecZ=1.63
Focus=-4.502
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.308 -5.828 -1.369
T123=-116.6 11.9 14.4
ALT/AZ=37.9 -22.8
fwAVG=1.52
sdW=16.1
fwW=1.10
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fwS=1.15
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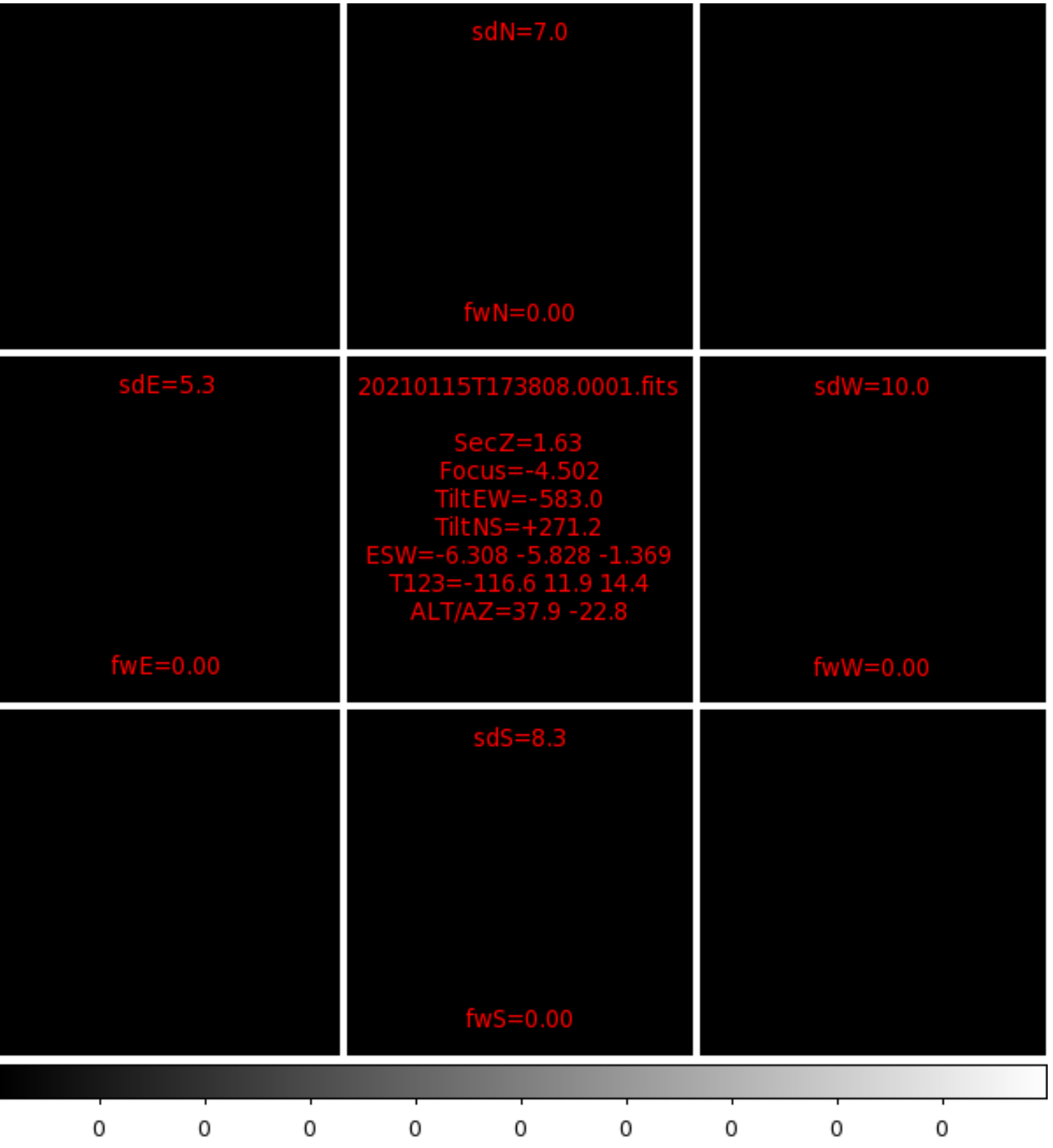
sdN=7.0
fwN=0.00
sdE=5.3
fwE=0.00
20210115T173808.0001.fits
SecZ=1.63
Focus=-4.502
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.308 -5.828 -1.369
T123=-116.6 11.9 14.4
ALT/AZ=37.9 -22.8
sdW=10.0
fwW=0.00
sdS=8.3
fwS=0.00
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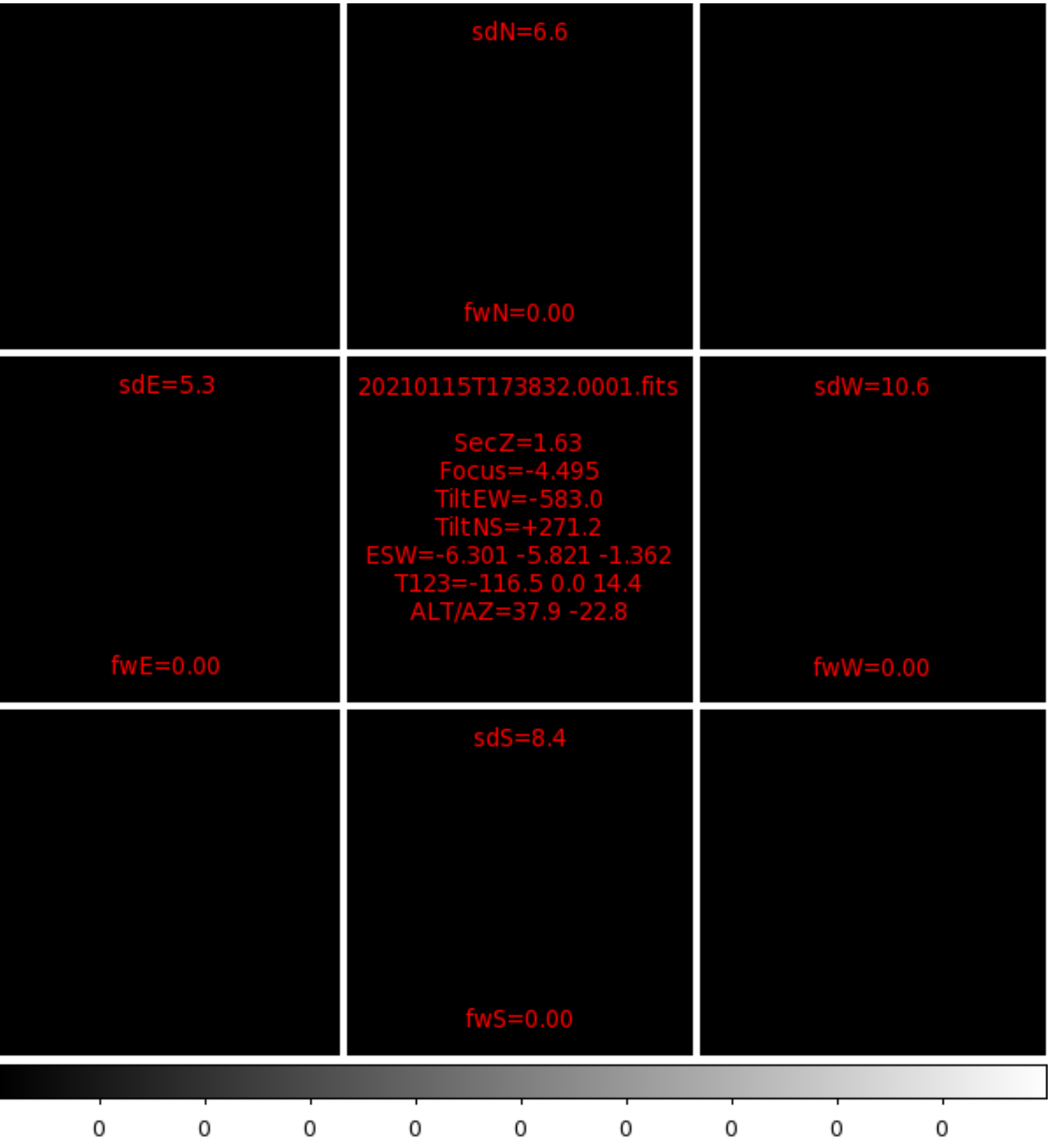
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fwN=0.00
sdE=5.3
20210115T173832.0001.fits
SecZ=1.63
Focus=-4.495
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.301 -5.821 -1.362
T123=-116.5 0.0 14.4
ALT/AZ=37.9 -22.8
sdW=10.6
fwE=0.00
fwW=0.00
sdS=8.4
fwS=0.00
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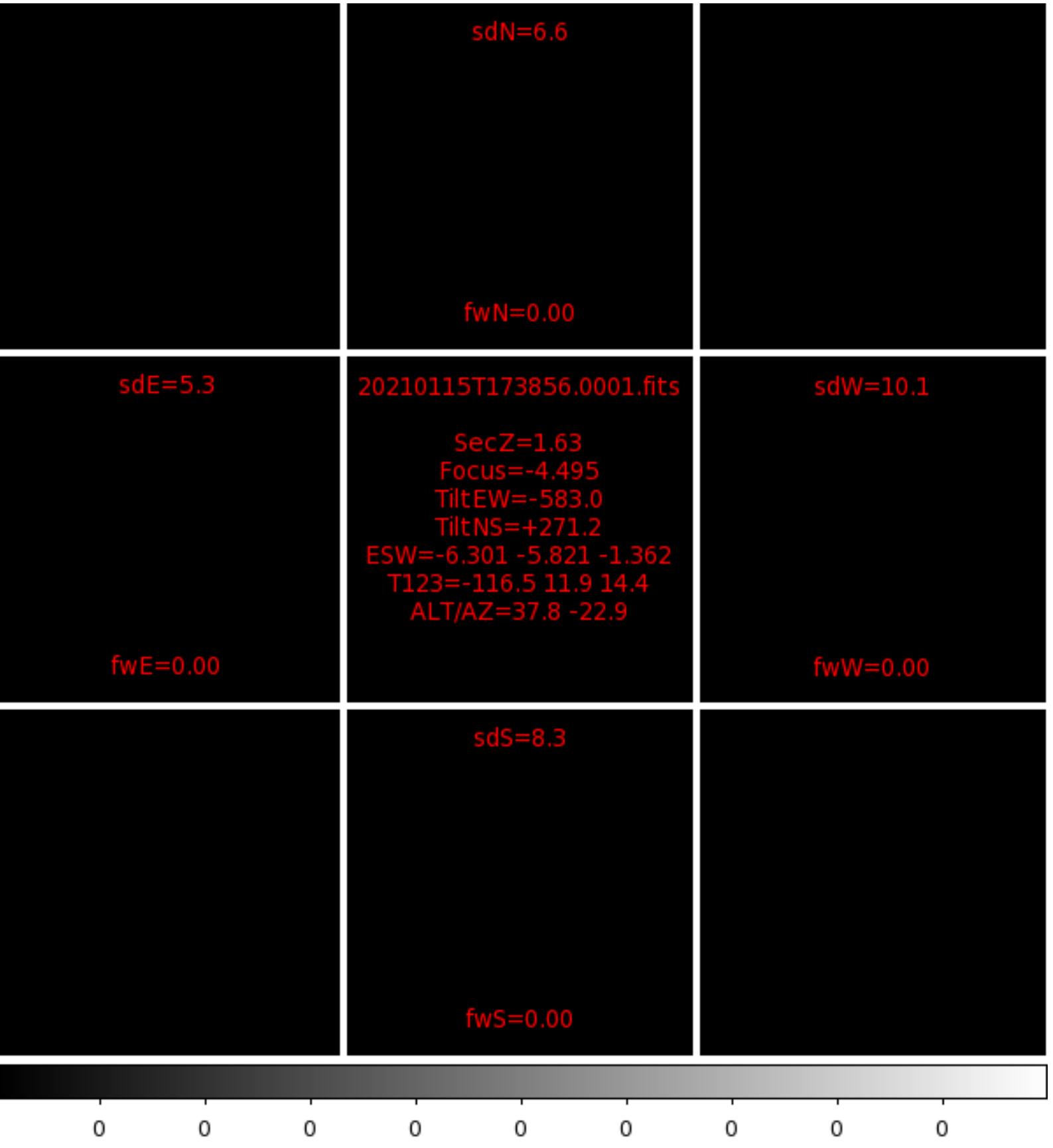
sdN=6.6
fwN=0.00
sdE=5.3
fwE=0.00
20210115T173856.0001.fits
SecZ=1.63
Focus=-4.495
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.301 -5.821 -1.362
T123=-116.5 11.9 14.4
ALT/AZ=37.8 -22.9
sdW=10.1
fwW=0.00
sdS=8.3
fwS=0.00
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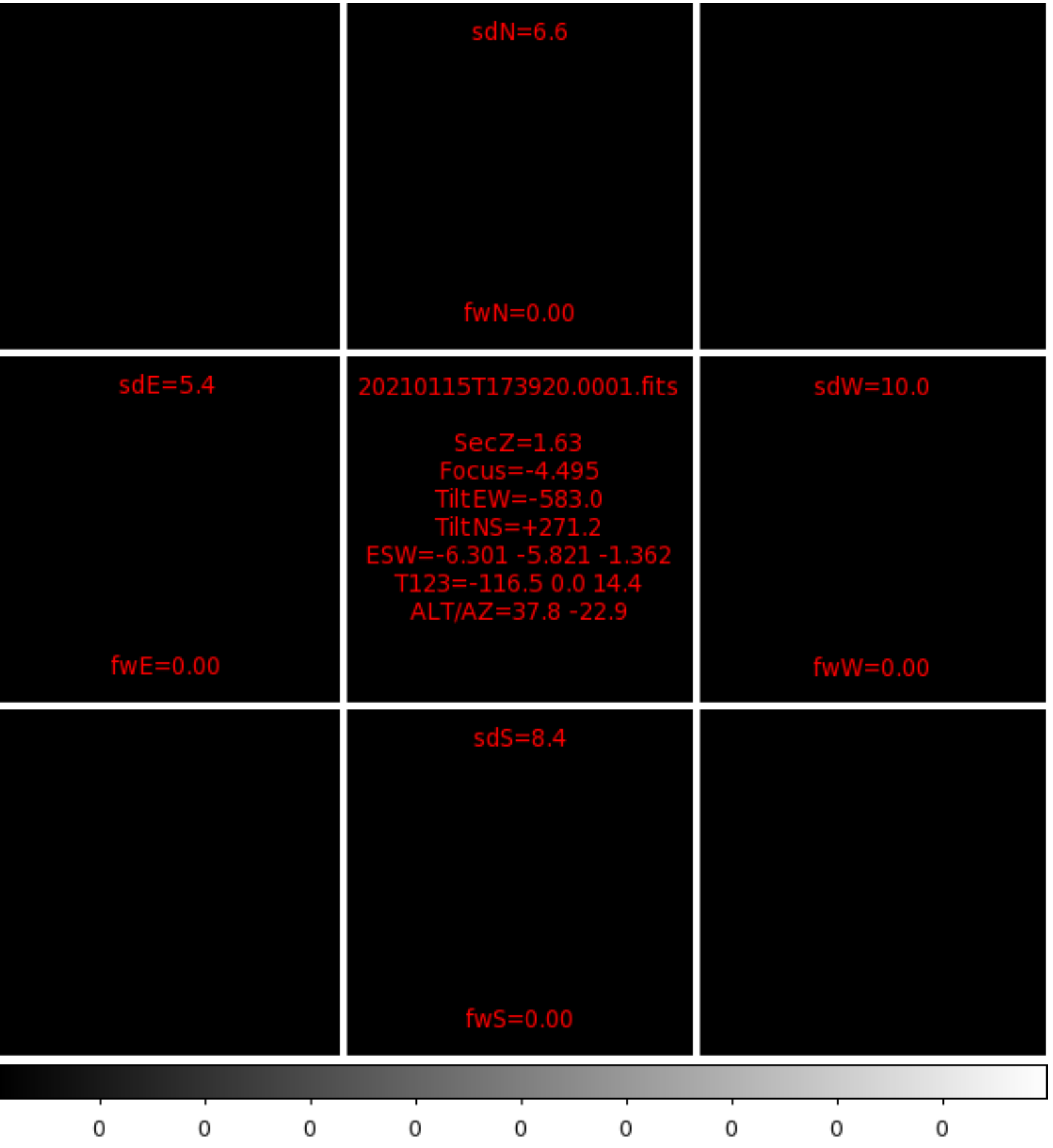
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fwN=0.00
sdE=5.4
20210115T173920.0001.fits
SecZ=1.63
Focus=-4.495
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.301 -5.821 -1.362
T123=-116.5 0.0 14.4
ALT/AZ=37.8 -22.9
sdW=10.0
fwE=0.00
fwW=0.00
sdS=8.4
fwS=0.00
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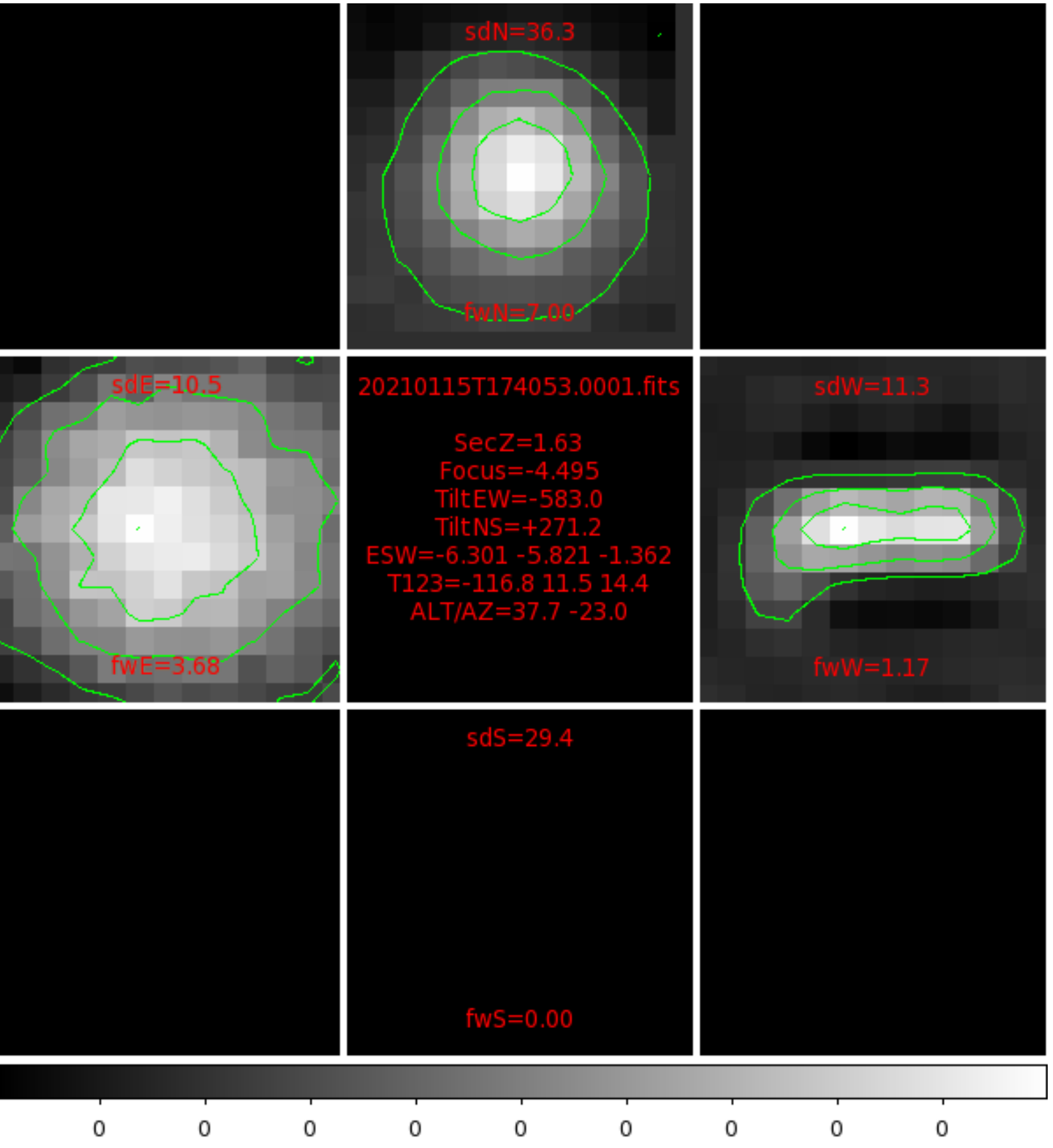
sdN=36.3
fwN=7.00
sdE=10.5
fwE=3.68
20210115T174053.0001.fits
SecZ=1.63
Focus=-4.495
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.301 -5.821 -1.362
T123=-116.8 11.5 14.4
ALT/AZ=37.7 -23.0
sdW=11.3
fwW=1.17
sdS=29.4
fwS=0.00
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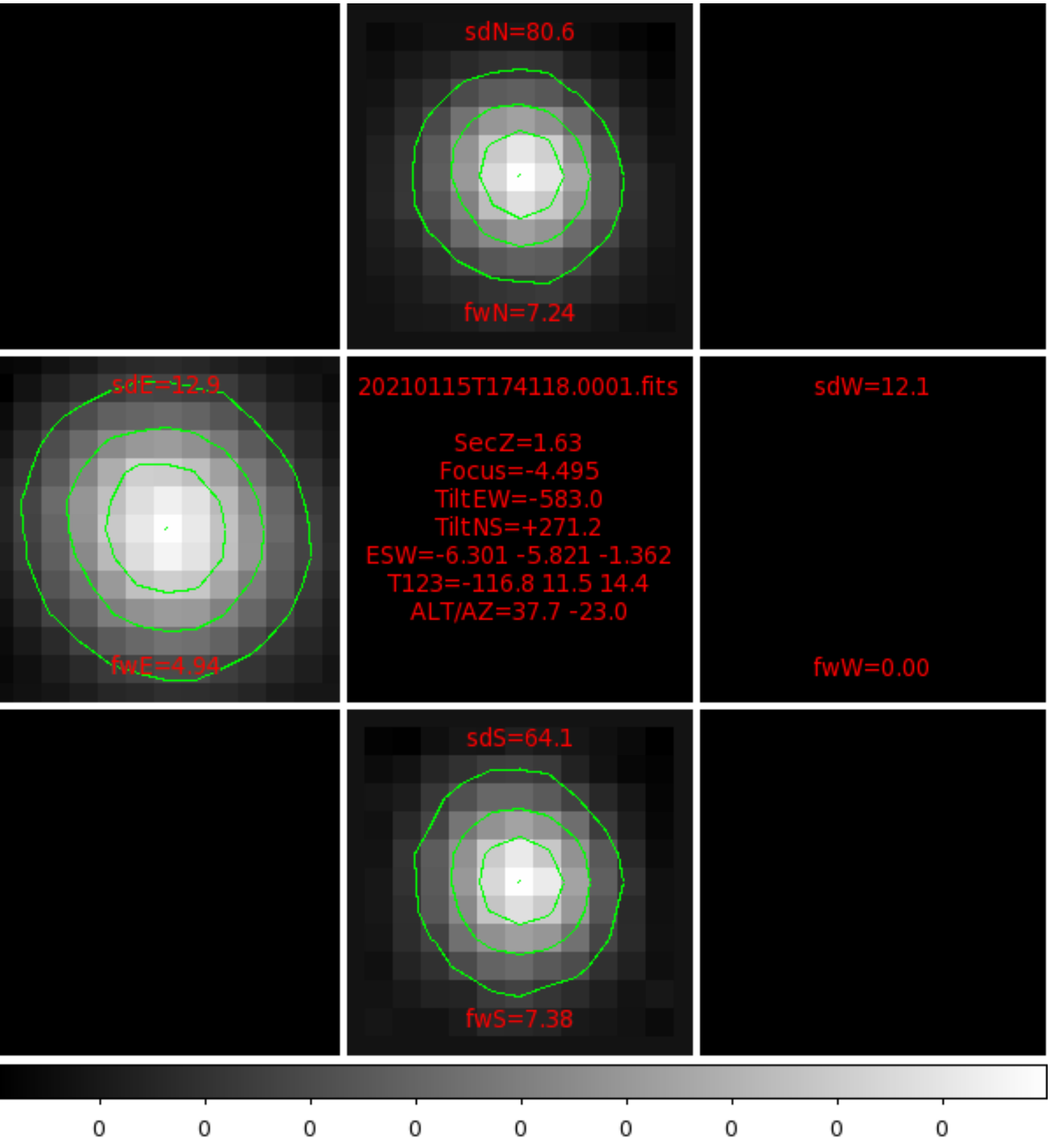
sdN=80.6
fwN=7.24
sdE=12.9
fwE=4.94
20210115T174118.0001.fits
SecZ=1.63
Focus=-4.495
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.301 -5.821 -1.362
T123=-116.8 11.5 14.4
ALT/AZ=37.7 -23.0
sdW=12.1
fwW=0.00
sdS=64.1
fwS=7.38
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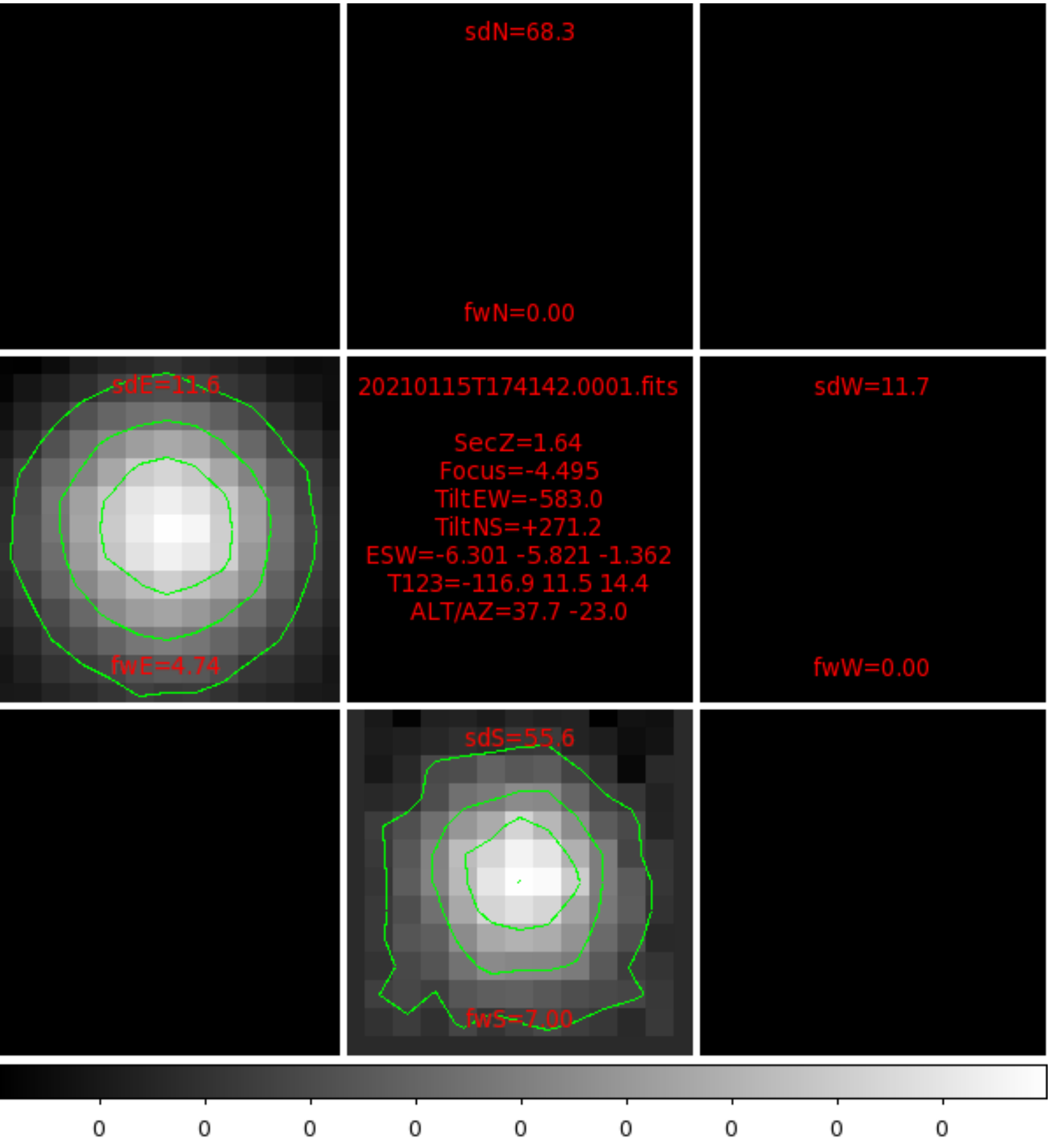
sdN=68.3
fwN=0.00
sdE=11.6
fwE=4.74
20210115T174142.0001.fits
SecZ=1.64
Focus=-4.495
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.301 -5.821 -1.362
T123=-116.9 11.5 14.4
ALT/AZ=37.7 -23.0
sdW=11.7
fwW=0.00
sdS=55.6
fwS=7.00
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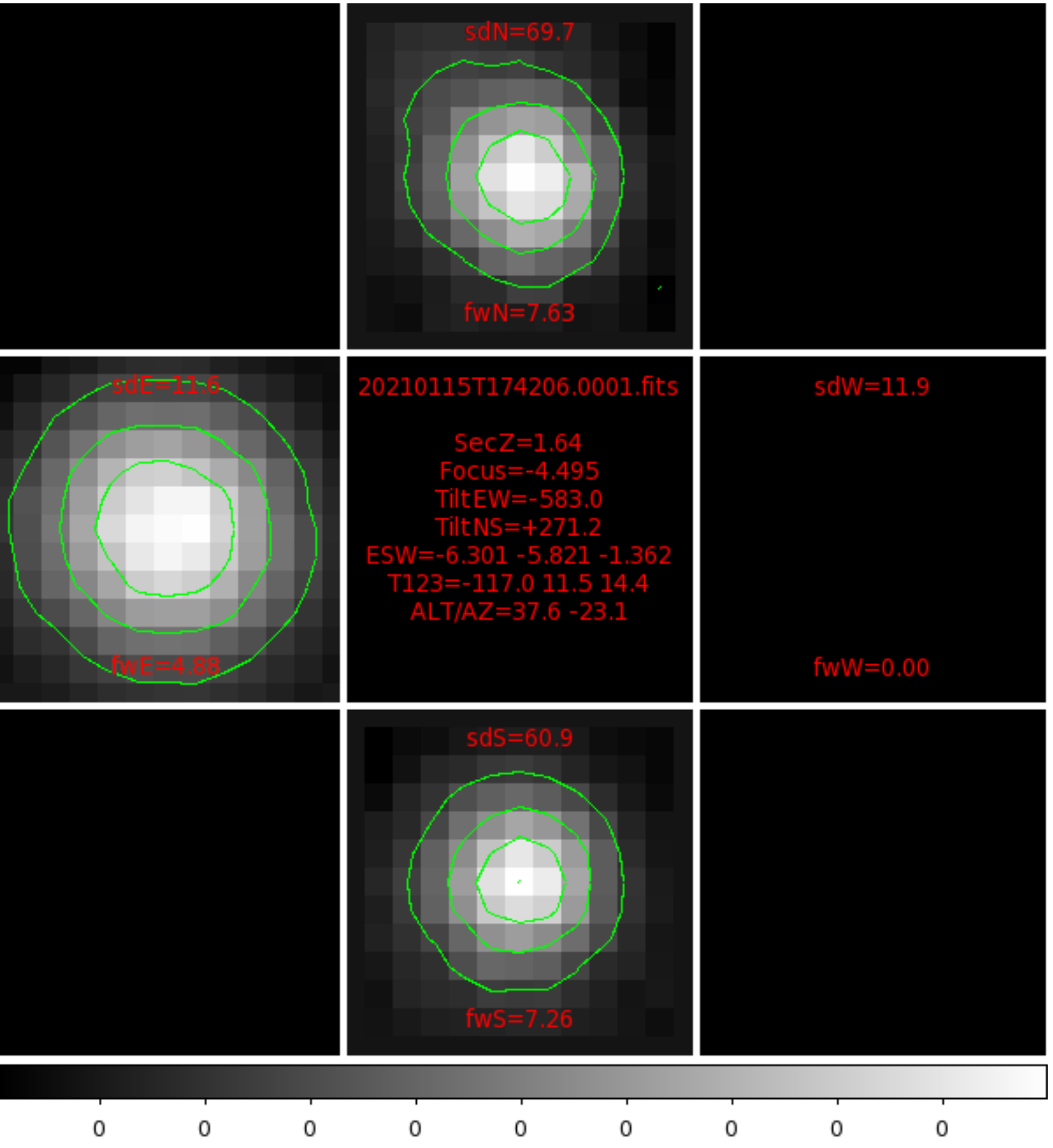
sdN=69.7
fwN=7.63
sdE=11.6
fwE=4.88
20210115T174206.0001.fits
SecZ=1.64
Focus=-4.495
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.301 -5.821 -1.362
T123=-117.0 11.5 14.4
ALT/AZ=37.6 -23.1
sdW=11.9
fwW=0.00
sdS=60.9
fwS=7.26
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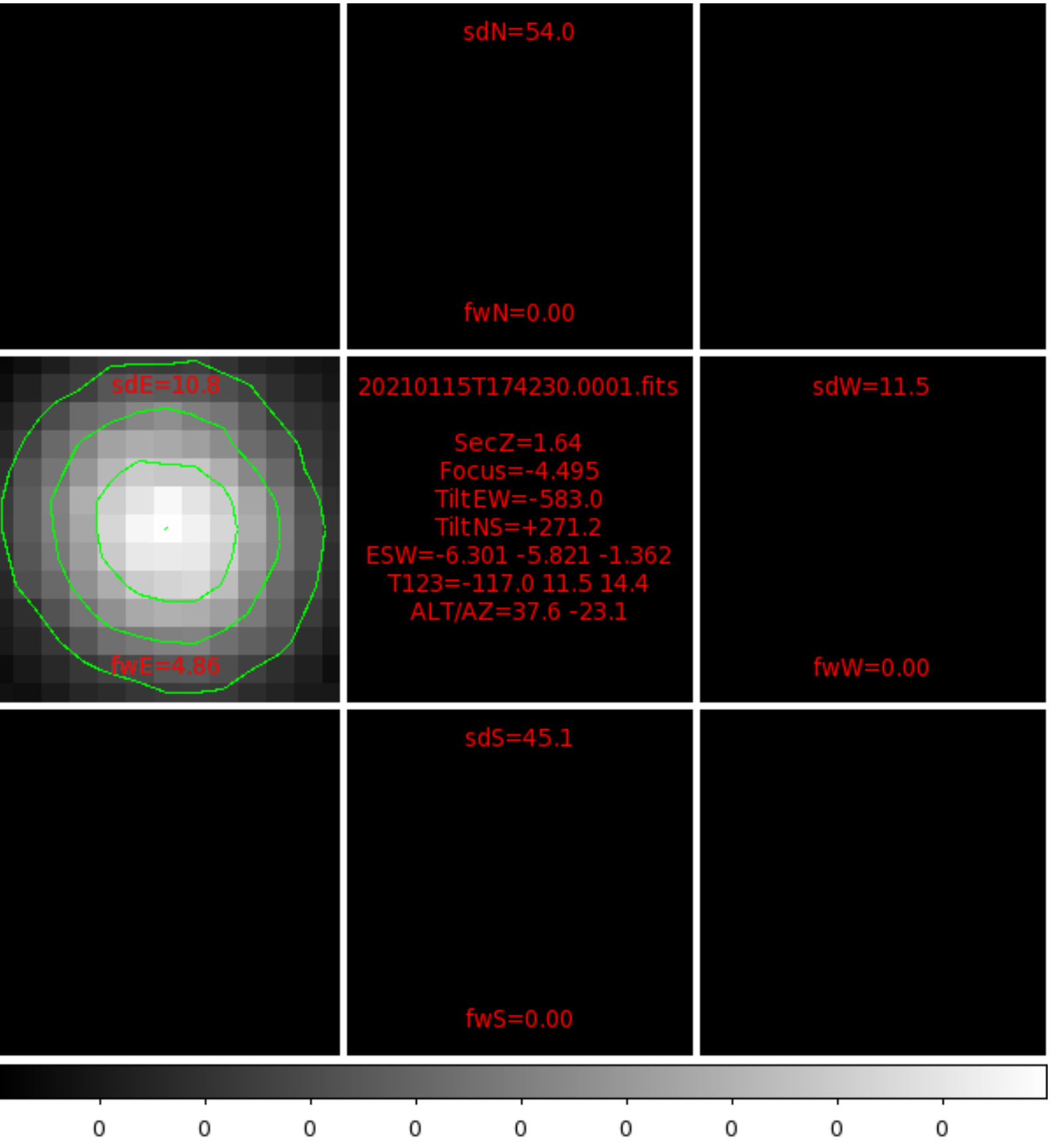
sdN=54.0
fwN=0.00
sdE=10.8
fwE=4.86
20210115T174230.0001.fits
SecZ=1.64
Focus=-4.495
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.301 -5.821 -1.362
T123=-117.0 11.5 14.4
ALT/AZ=37.6 -23.1
sdW=11.5
fwW=0.00
sdS=45.1
fwS=0.00
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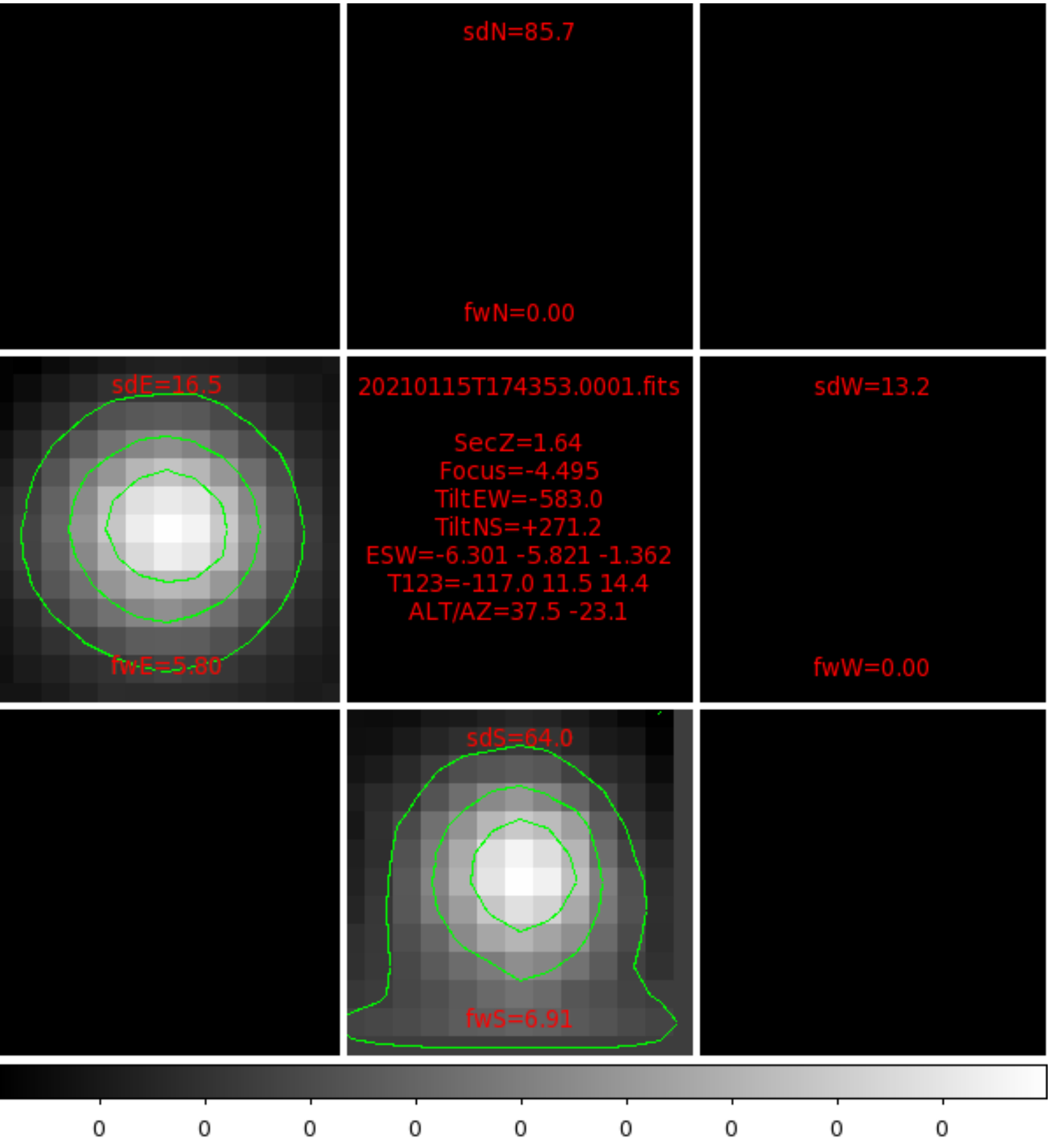
sdN=85.7
fwN=0.00
sdE=16.5
fwE=5.80
20210115T174353.0001.fits
SecZ=1.64
Focus=-4.495
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.301 -5.821 -1.362
T123=-117.0 11.5 14.4
ALT/AZ=37.5 -23.1
sdW=13.2
fwW=0.00
sdS=64.0
fwS=6.91
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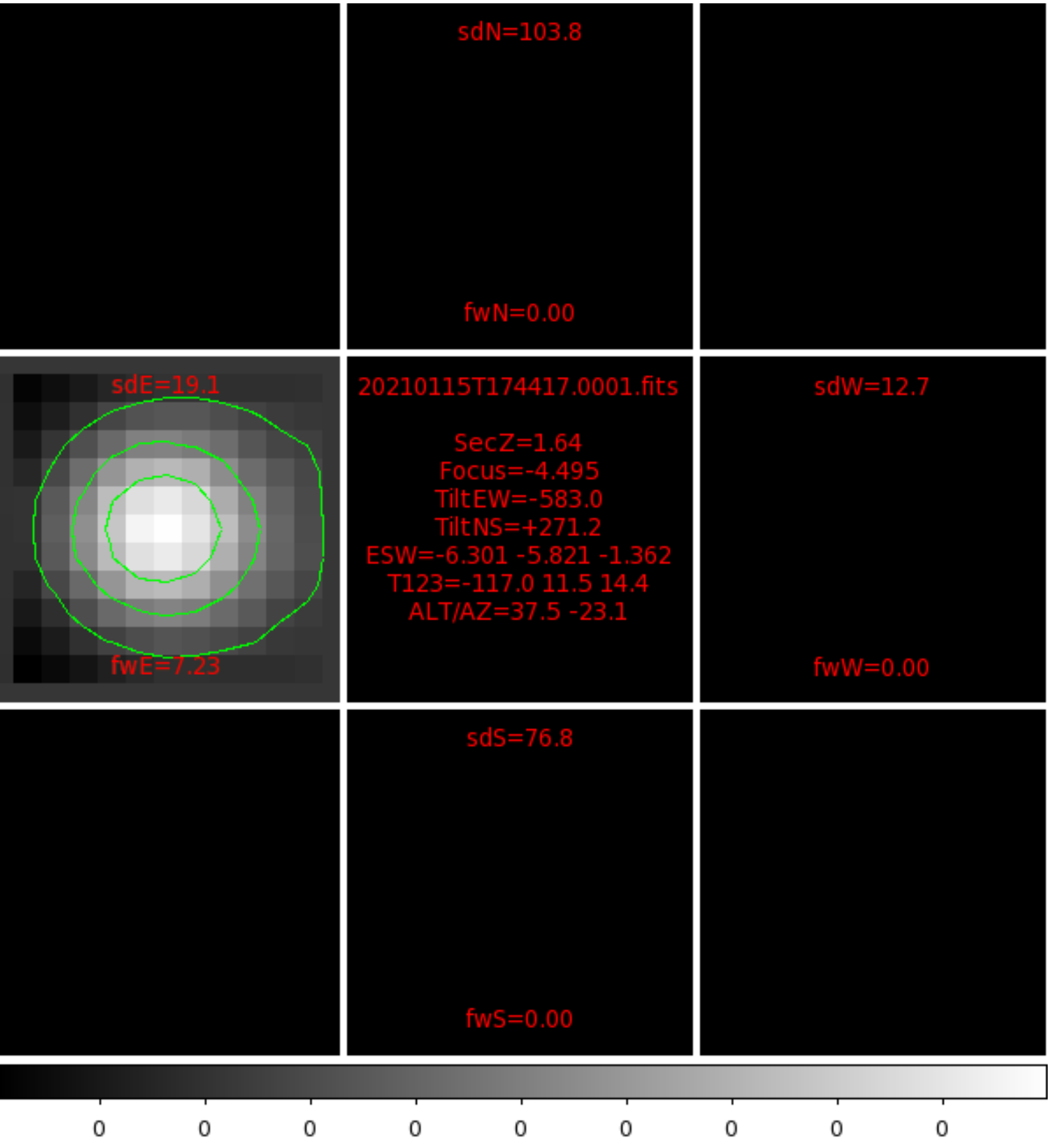
sdN=103.8
fwN=0.00
sdE=19.1
fwE=7.23
20210115T174417.0001.fits
SecZ=1.64
Focus=-4.495
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.301 -5.821 -1.362
T123=-117.0 11.5 14.4
ALT/AZ=37.5 -23.1
sdW=12.7
fwW=0.00
sdS=76.8
fwS=0.00
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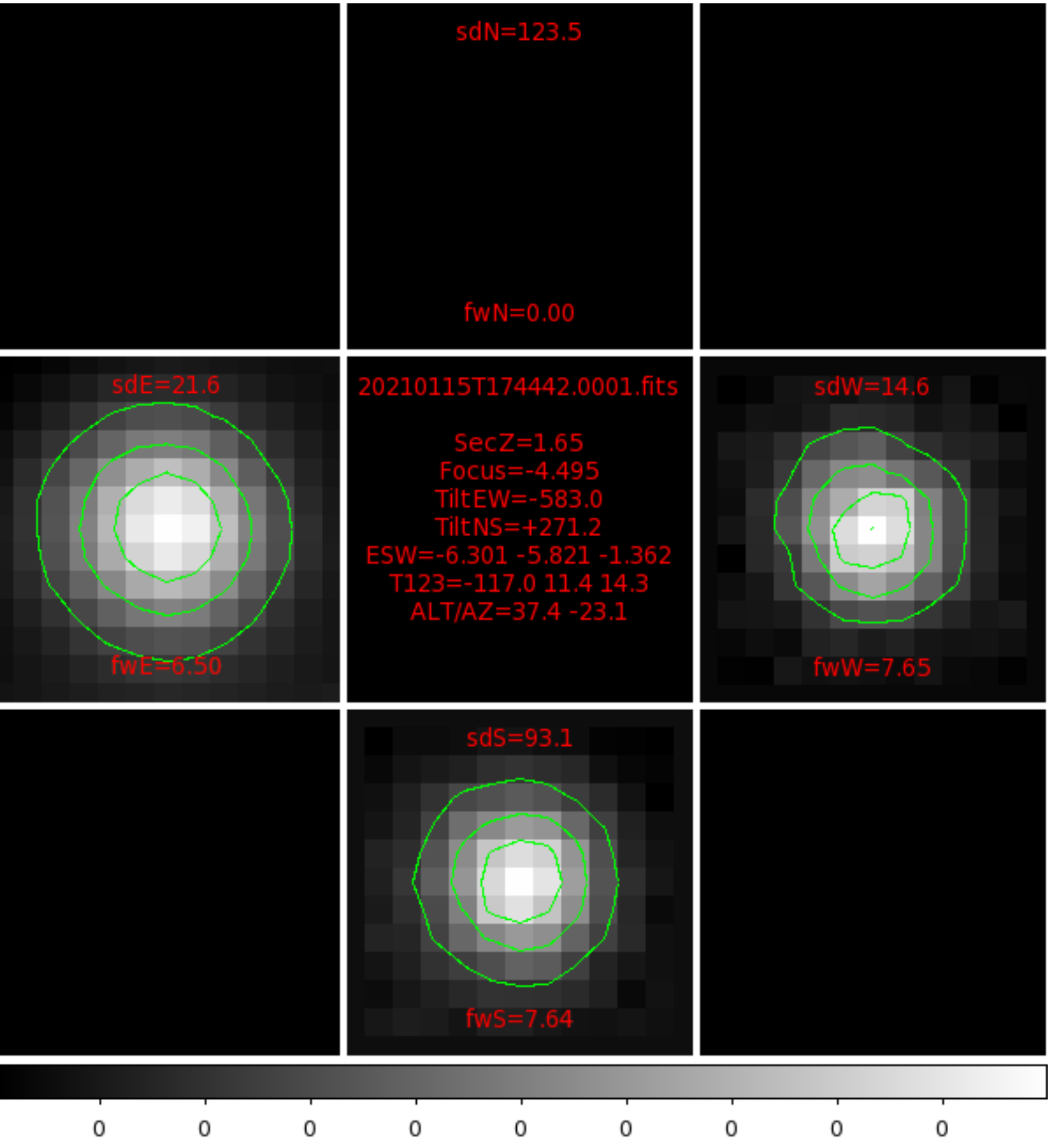
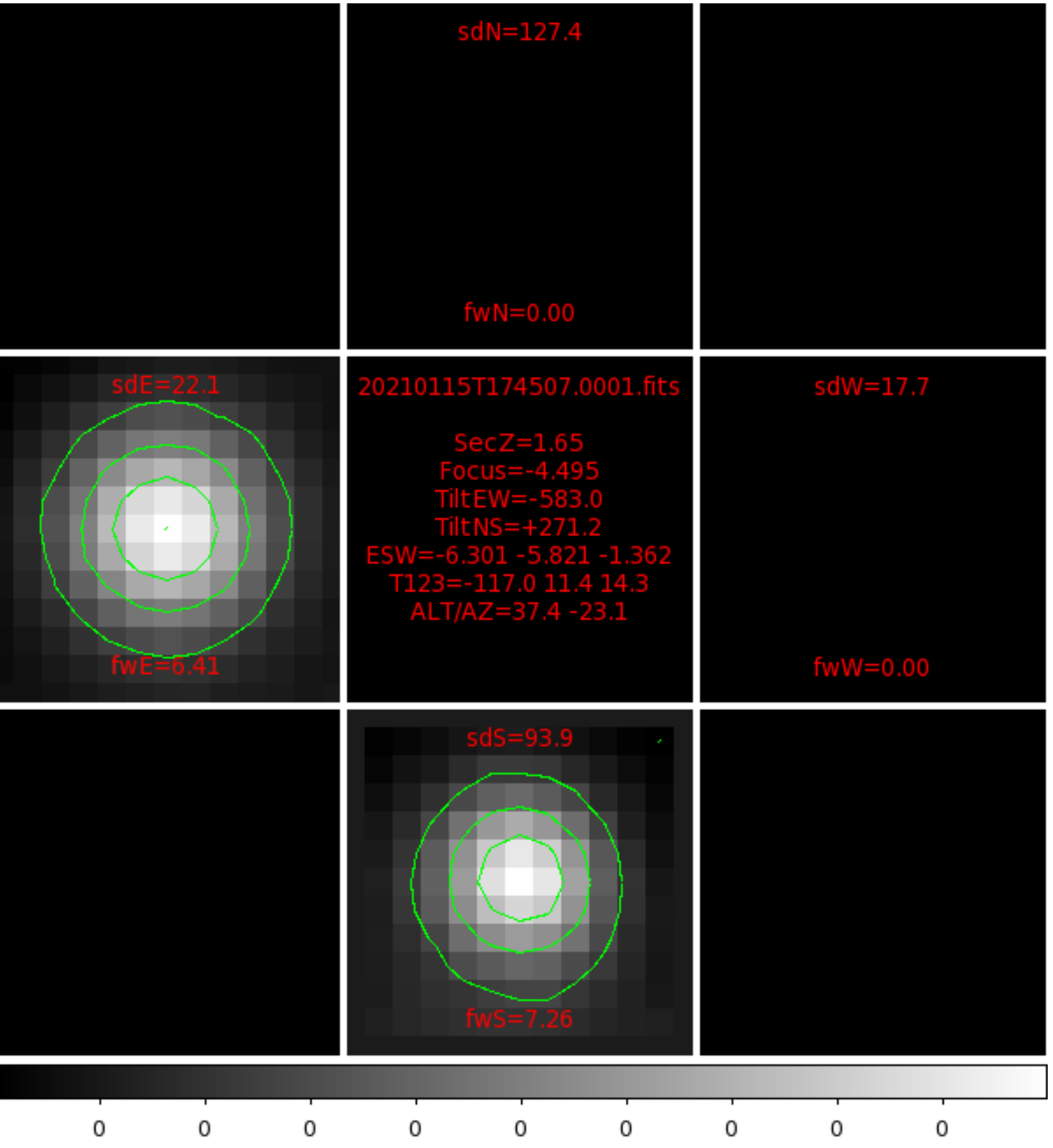

sdN=123.5
fwN=0.00
sdE=21.6
fwE=6.50
20210115T174442.0001.fits
SecZ=1.65
Focus=-4.495
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.301 -5.821 -1.362
T123=-117.0 11.4 14.3
ALT/AZ=37.4 -23.1
sdW=14.6
fwW=7.65
sdS=93.1
fwS=7.64
0 0 0 0 0 0 0 0 0


sdN=127.4
fwN=0.00
sdE=22.1
fwE=6.41
20210115T174507.0001.fits
SecZ=1.65
Focus=-4.495
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.301 -5.821 -1.362
T123=-117.0 11.4 14.3
ALT/AZ=37.4 -23.1
sdW=17.7
fwW=0.00
sdS=93.9
fwS=7.26
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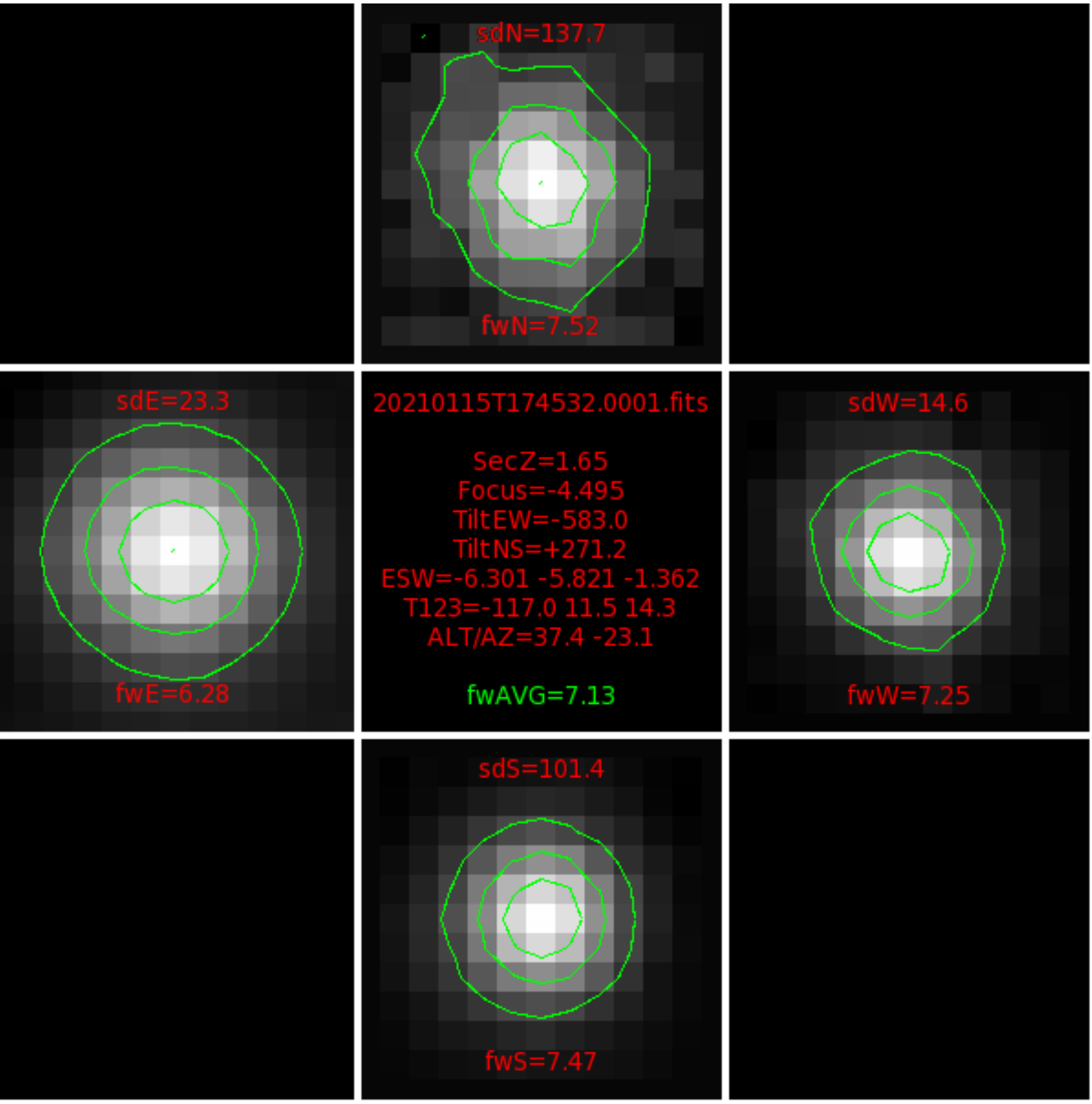
sdN=137.7
fwN=7.52
sdE=23.3
fwE=6.28
20210115T174532.0001.fits
SecZ=1.65
Focus=-4.495
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.301 -5.821 -1.362
T123=-117.0 11.5 14.3
ALT/AZ=37.4 -23.1
fwAVG=7.13
sdW=14.6
fwW=7.25
sdS=101.4
fwS=7.47
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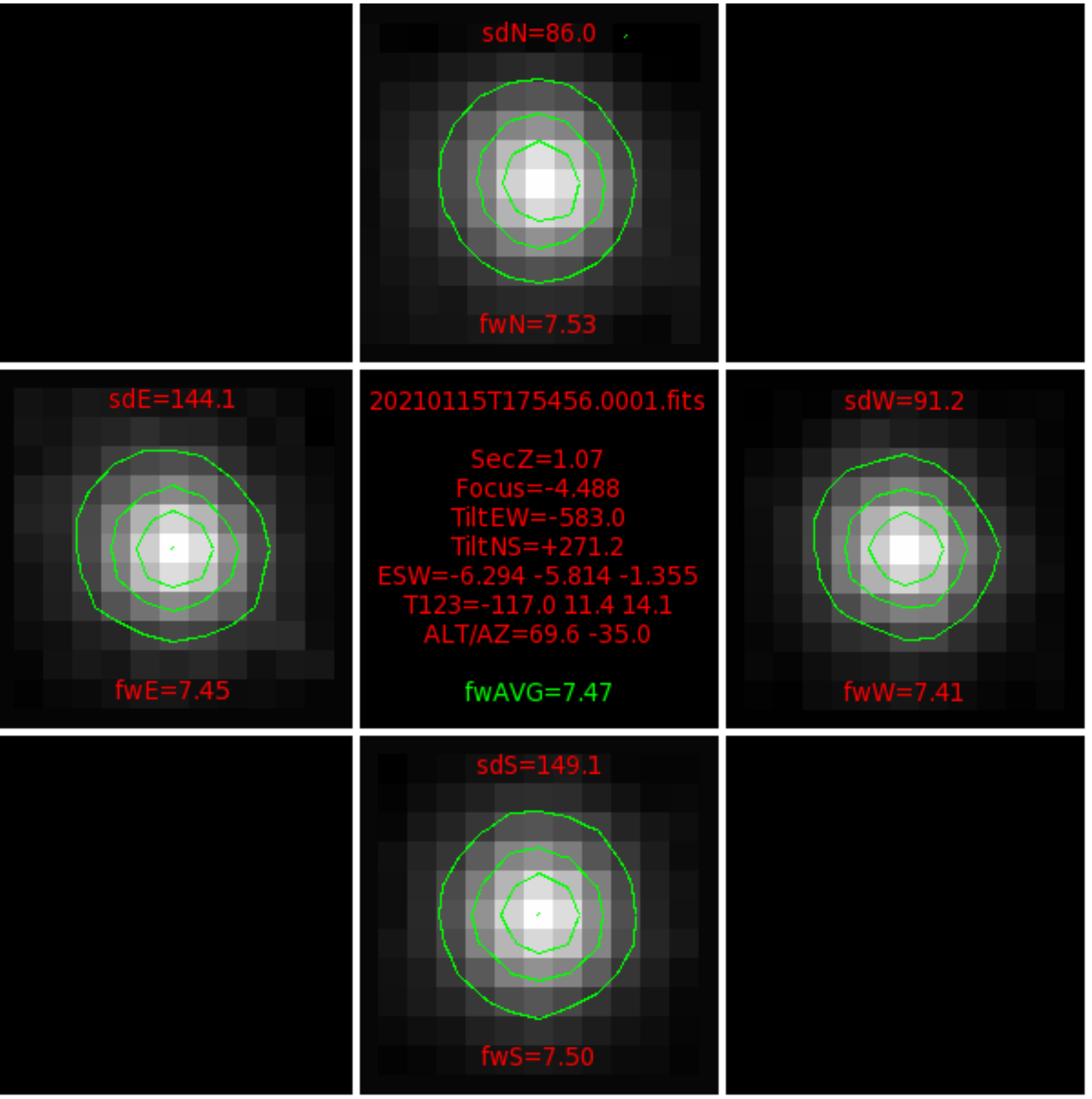
sdN=86.0
fwN=7.53
sdE=144.1
fwE=7.45
20210115T175456.0001.fits
SecZ=1.07
Focus=-4.488
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.294 -5.814 -1.355
T123=-117.0 11.4 14.1
ALT/AZ=69.6 -35.0
fwAVG=7.47
sdW=91.2
fwW=7.41
sdS=149.1
fwS=7.50
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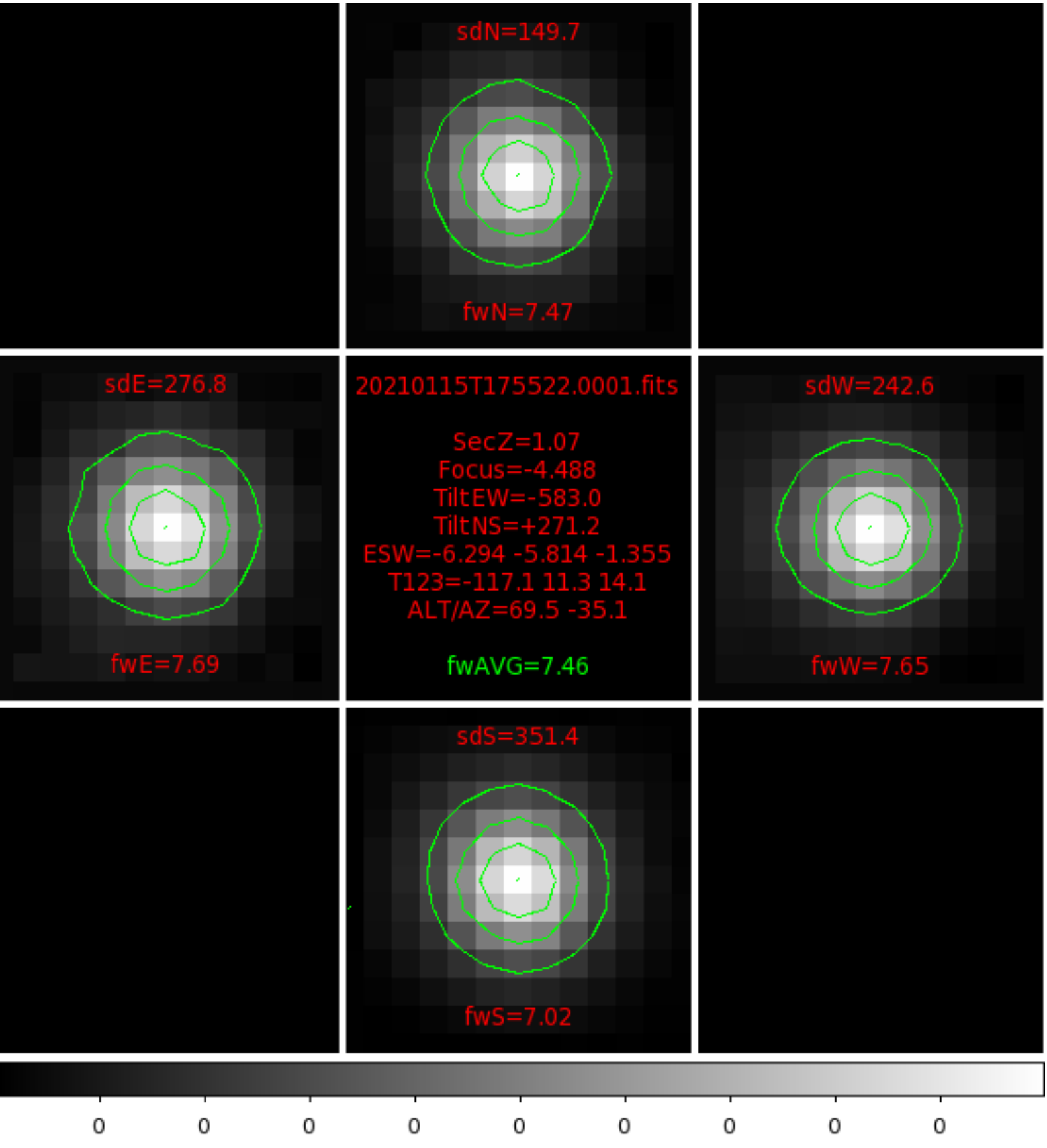
sdN=149.7
fwN=7.47
sdE=276.8
fwE=7.69
20210115T175522.0001.fits
SecZ=1.07
Focus=-4.488
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.294 -5.814 -1.355
T123=-117.1 11.3 14.1
ALT/AZ=69.5 -35.1
fwAVG=7.46
sdW=242.6
fwW=7.65
sdS=351.4
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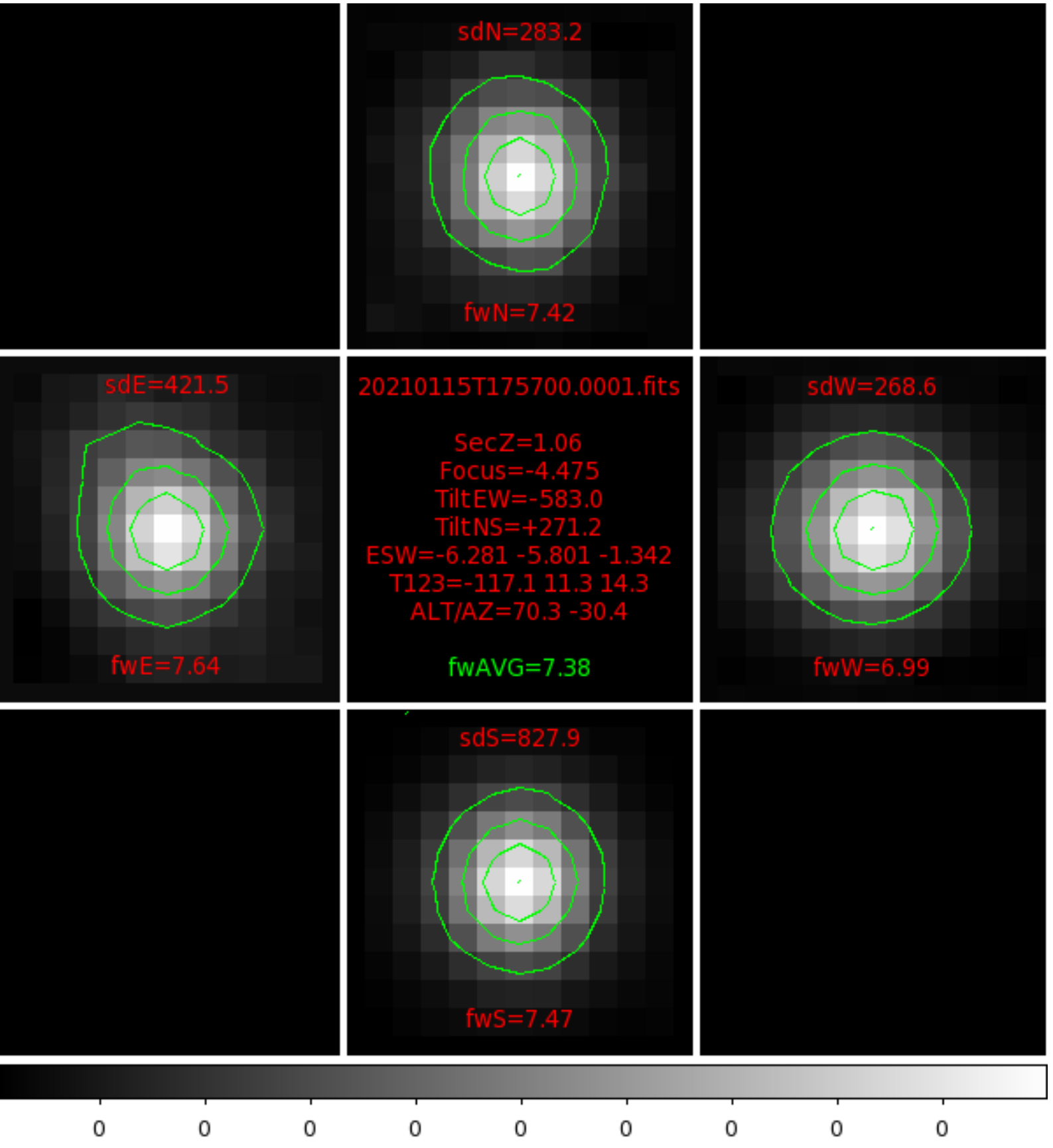
sdN=283.2
fwN=7.42
sdE=421.5
fwE=7.64
20210115T175700.0001.fits
SecZ=1.06
Focus=-4.475
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.281 -5.801 -1.342
T123=-117.1 11.3 14.3
ALT/AZ=70.3 -30.4
fwAVG=7.38
sdW=268.6
fwW=6.99
sdS=827.9
fwS=7.47
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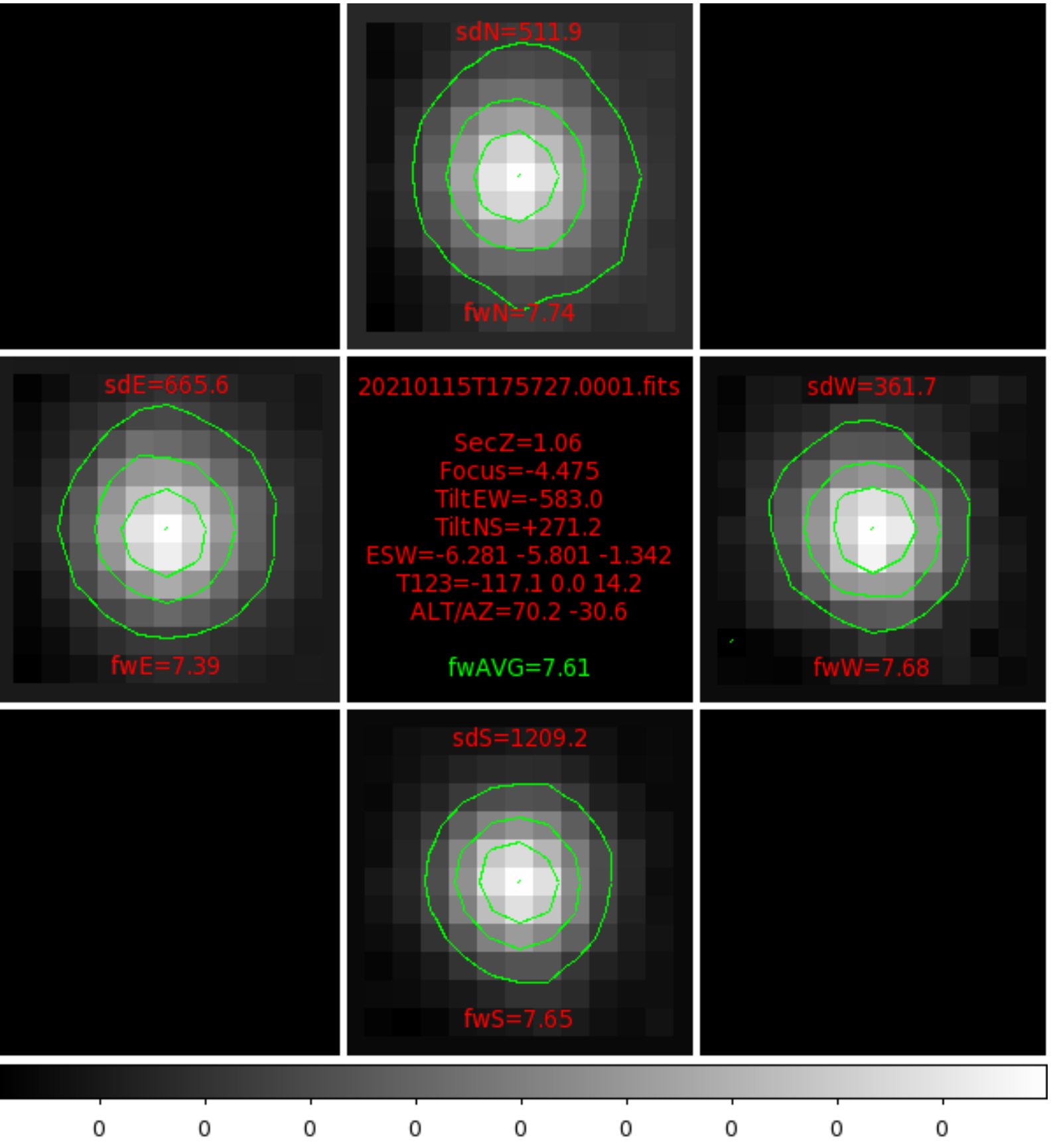
sdN=511.9
fwN=7.74
sdE=665.6
fwE=7.39
20210115T175727.0001.fits
SecZ=1.06
Focus=-4.475
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.281 -5.801 -1.342
T123=-117.1 0.0 14.2
ALT/AZ=70.2 -30.6
fwAVG=7.61
sdW=361.7
fwW=7.68
sdS=1209.2
fwS=7.65
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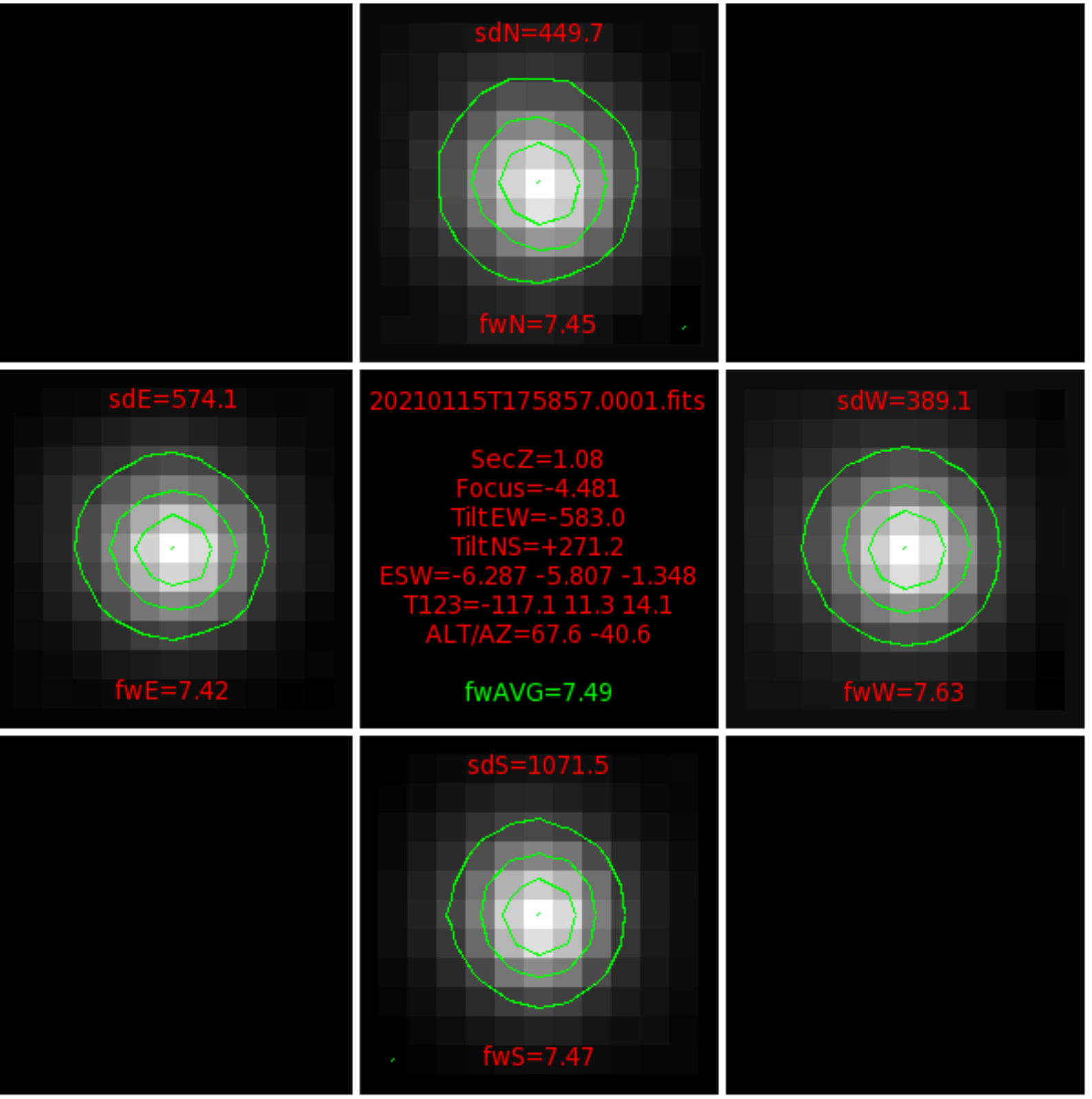
sdN=449.7
fwN=7.45
sdE=574.1
fwE=7.42
20210115T175857.0001.fits
SecZ=1.08
Focus=-4.481
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.287 -5.807 -1.348
T123=-117.1 11.3 14.1
ALT/AZ=67.6 -40.6
fwAVG=7.49
sdW=389.1
fwW=7.63
sdS=1071.5
fwS=7.47
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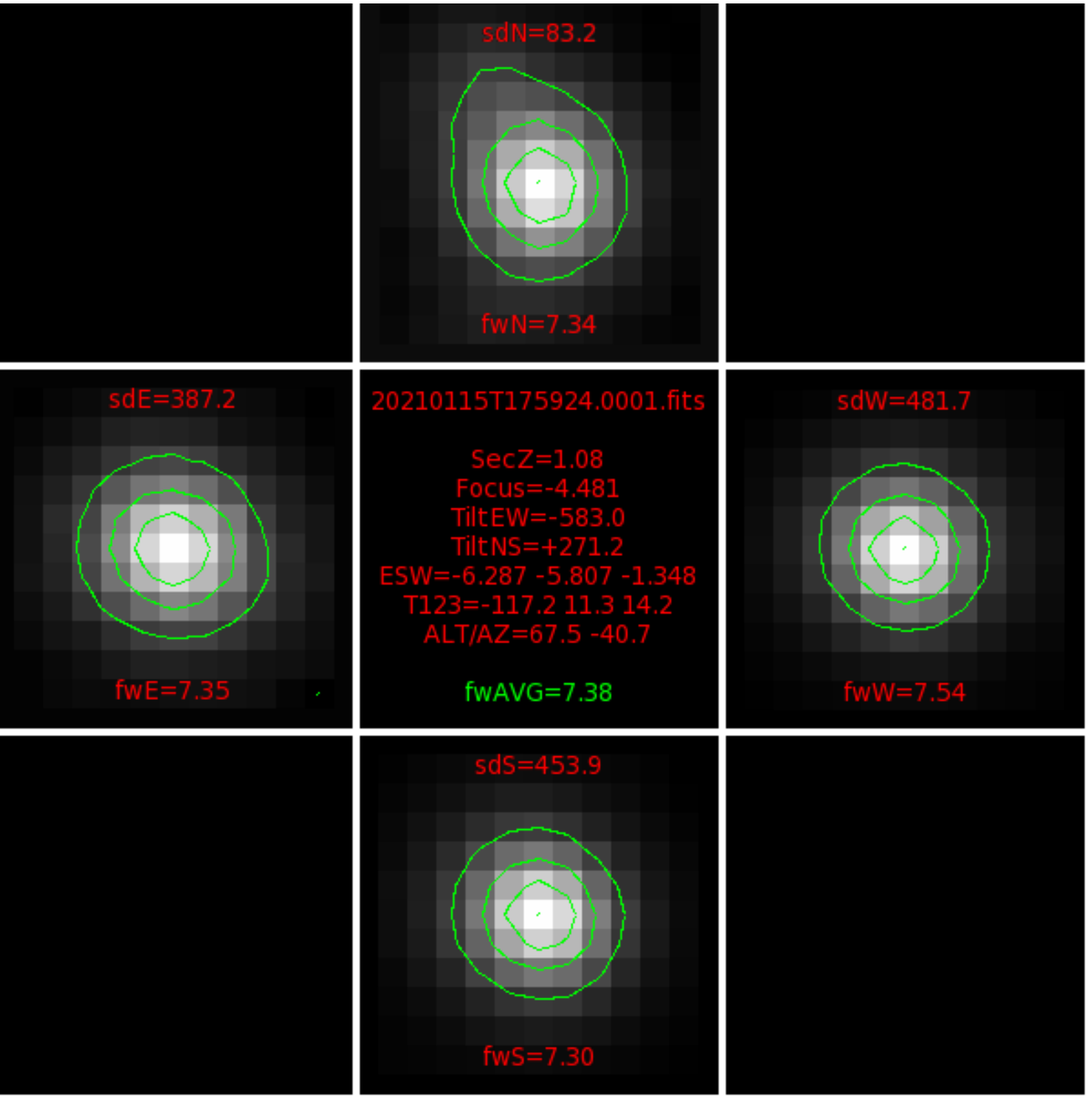
sdN=83.2
fwN=7.34
sdE=387.2
fwE=7.35
20210115T175924.0001.fits
SecZ=1.08
Focus=-4.481
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.287 -5.807 -1.348
T123=-117.2 11.3 14.2
ALT/AZ=67.5 -40.7
fwAVG=7.38
sdW=481.7
fwW=7.54
sdS=453.9
fwS=7.30
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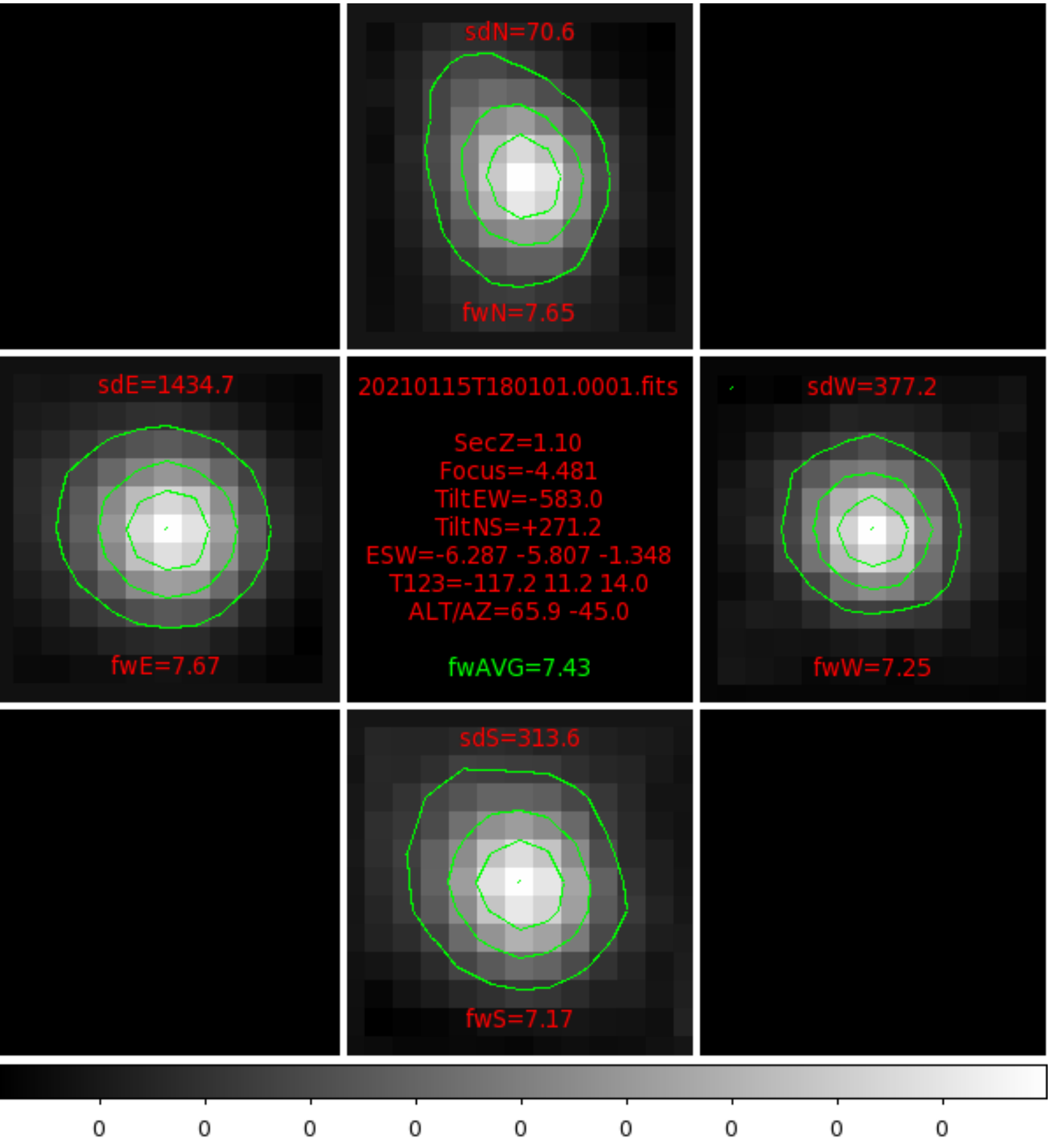
sdN=70.6
fwN=7.65
sdE=1434.7
fwE=7.67
20210115T180101.0001.fits
SecZ=1.10
Focus=-4.481
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.287 -5.807 -1.348
T123=-117.2 11.2 14.0
ALT/AZ=65.9 -45.0
fwAVG=7.43
sdW=377.2
fwW=7.25
sdS=313.6
fwS=7.17
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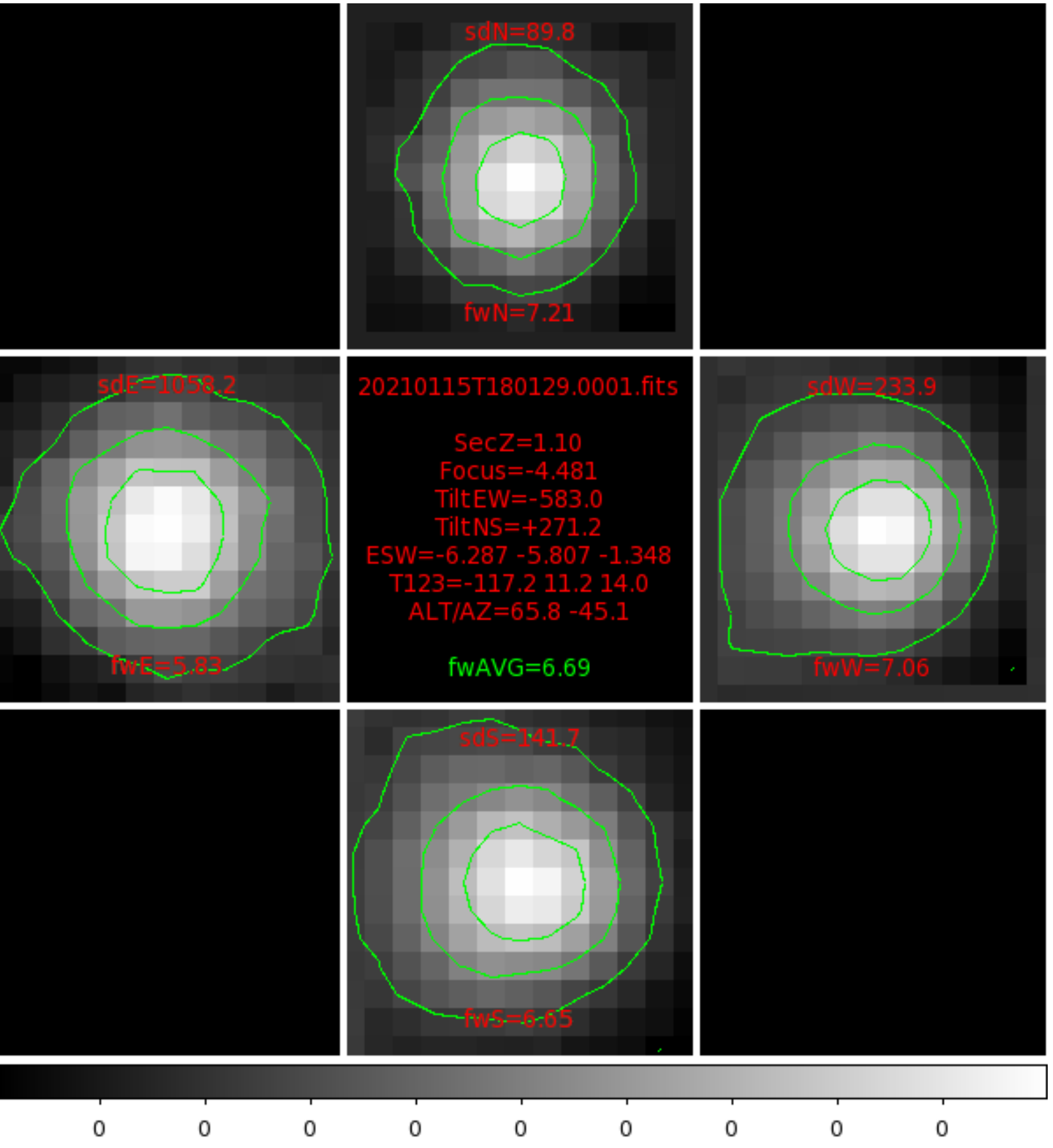
sdN=89.8
fwN=7.21
sdE=1058.2
fwE=5.83
20210115T180129.0001.fits
SecZ=1.10
Focus=-4.481
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.287 -5.807 -1.348
T123=-117.2 11.2 14.0
ALT/AZ=65.8 -45.1
fwAVG=6.69
sdW=233.9
fwW=7.06
sdS=141.7
fwS=6.65
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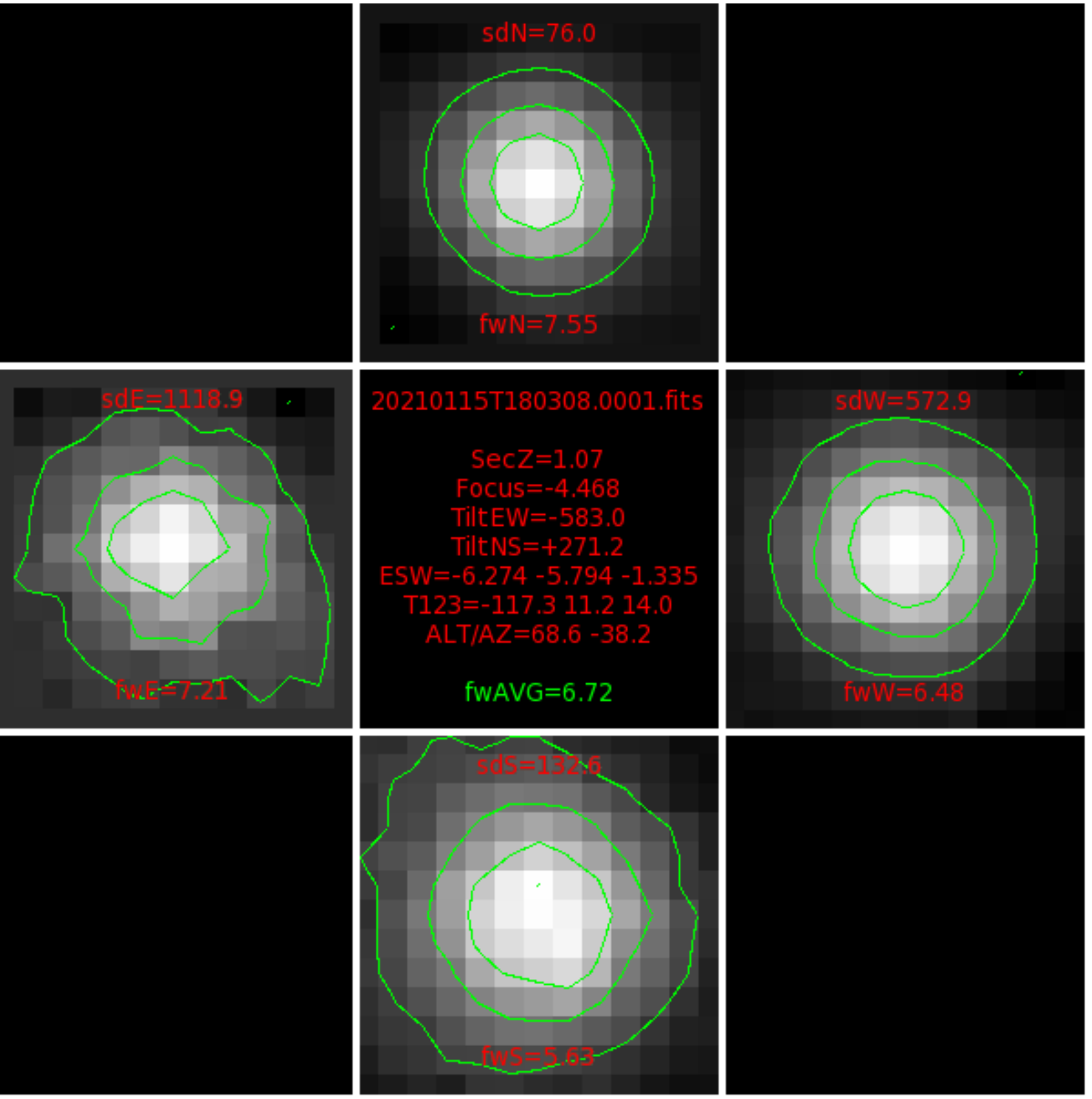
sdN=76.0
fwN=7.55
sdE=1118.9
fwE=7.21
20210115T180308.0001.fits
SecZ=1.07
Focus=-4.468
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.274 -5.794 -1.335
T123=-117.3 11.2 14.0
ALT/AZ=68.6 -38.2
fwAVG=6.72
sdW=572.9
fwW=6.48
sdS=132.6
fwS=5.63
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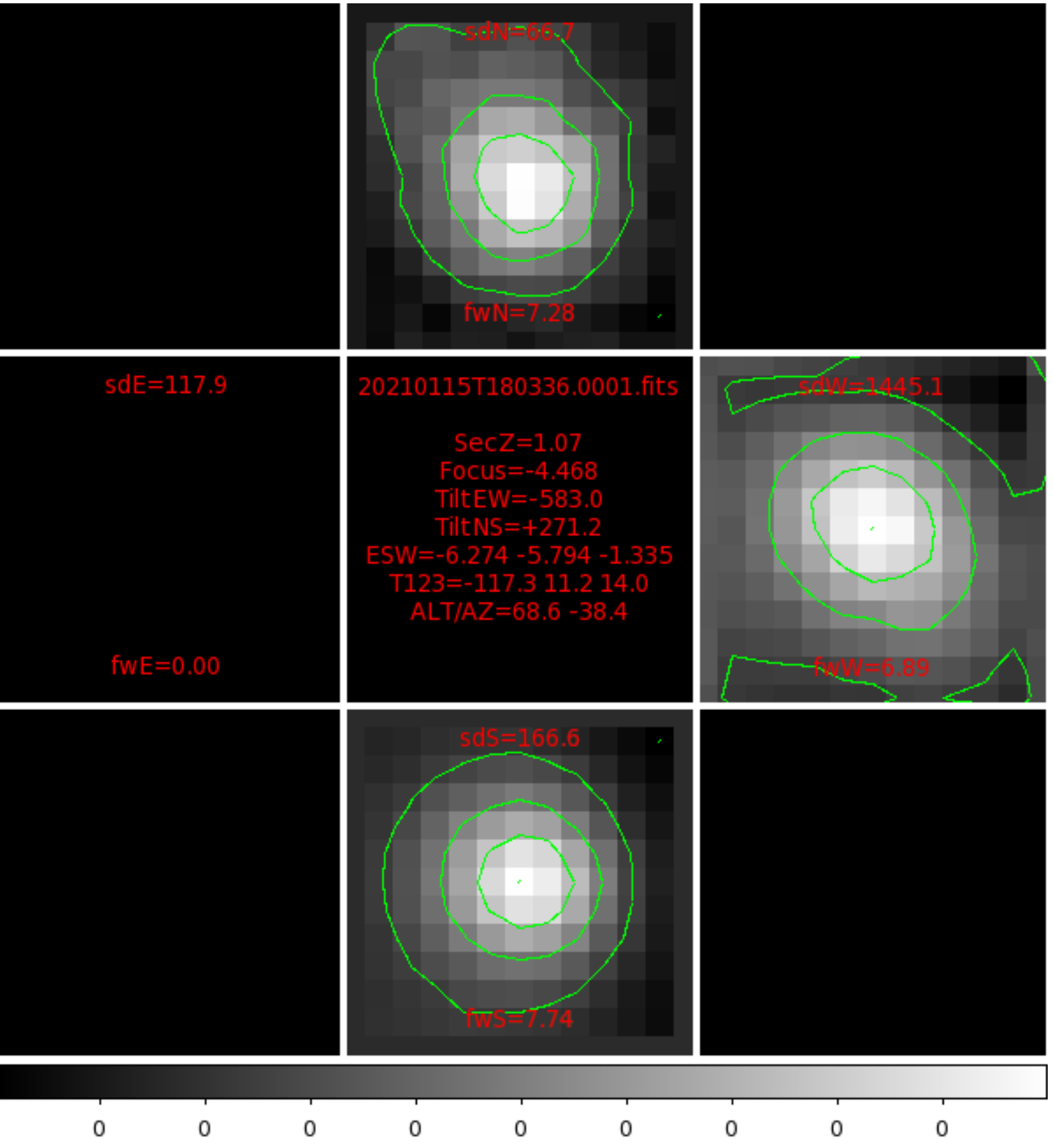
sdN=66.7
fwN=7.28
sdE=117.9
fwE=0.00
20210115T180336.0001.fits
SecZ=1.07
Focus=-4.468
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.274 -5.794 -1.335
T123=-117.3 11.2 14.0
ALT/AZ=68.6 -38.4
sdW=1445.1
fwW=6.89
sdS=166.6
fwS=7.74
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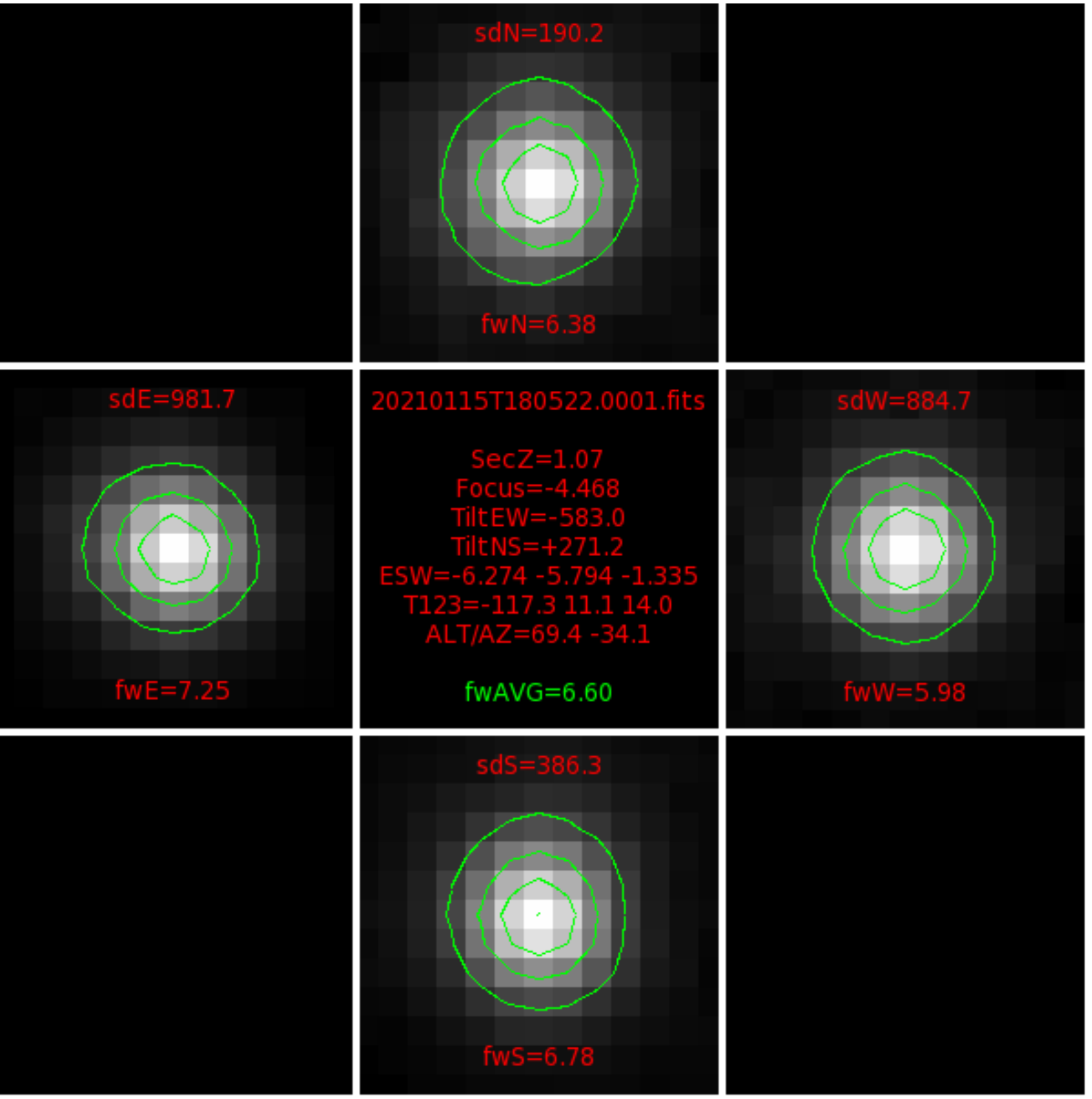
sdN=190.2
fwN=6.38
sdE=981.7
fwE=7.25
20210115T180522.0001.fits
SecZ=1.07
Focus=-4.468
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.274 -5.794 -1.335
T123=-117.3 11.1 14.0
ALT/AZ=69.4 -34.1
fwAVG=6.60
sdW=884.7
fwW=5.98
sdS=386.3
fwS=6.78
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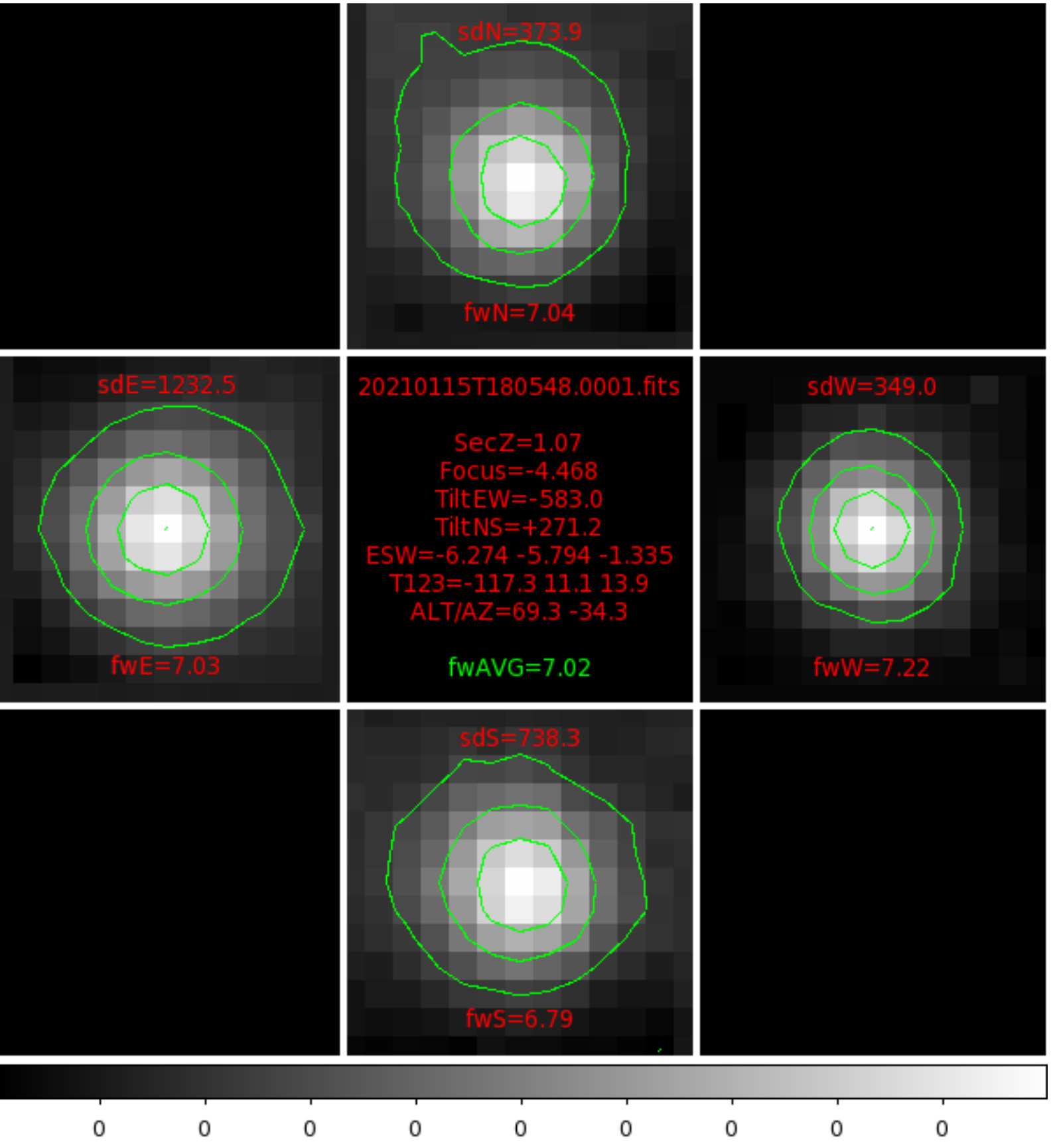
sdN=373.9
fwN=7.04
sdE=1232.5
fwE=7.03
20210115T180548.0001.fits
SecZ=1.07
Focus=-4.468
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.274 -5.794 -1.335
T123=-117.3 11.1 13.9
ALT/AZ=69.3 -34.3
fwAVG=7.02
sdW=349.0
fwW=7.22
sdS=738.3
fwS=6.79
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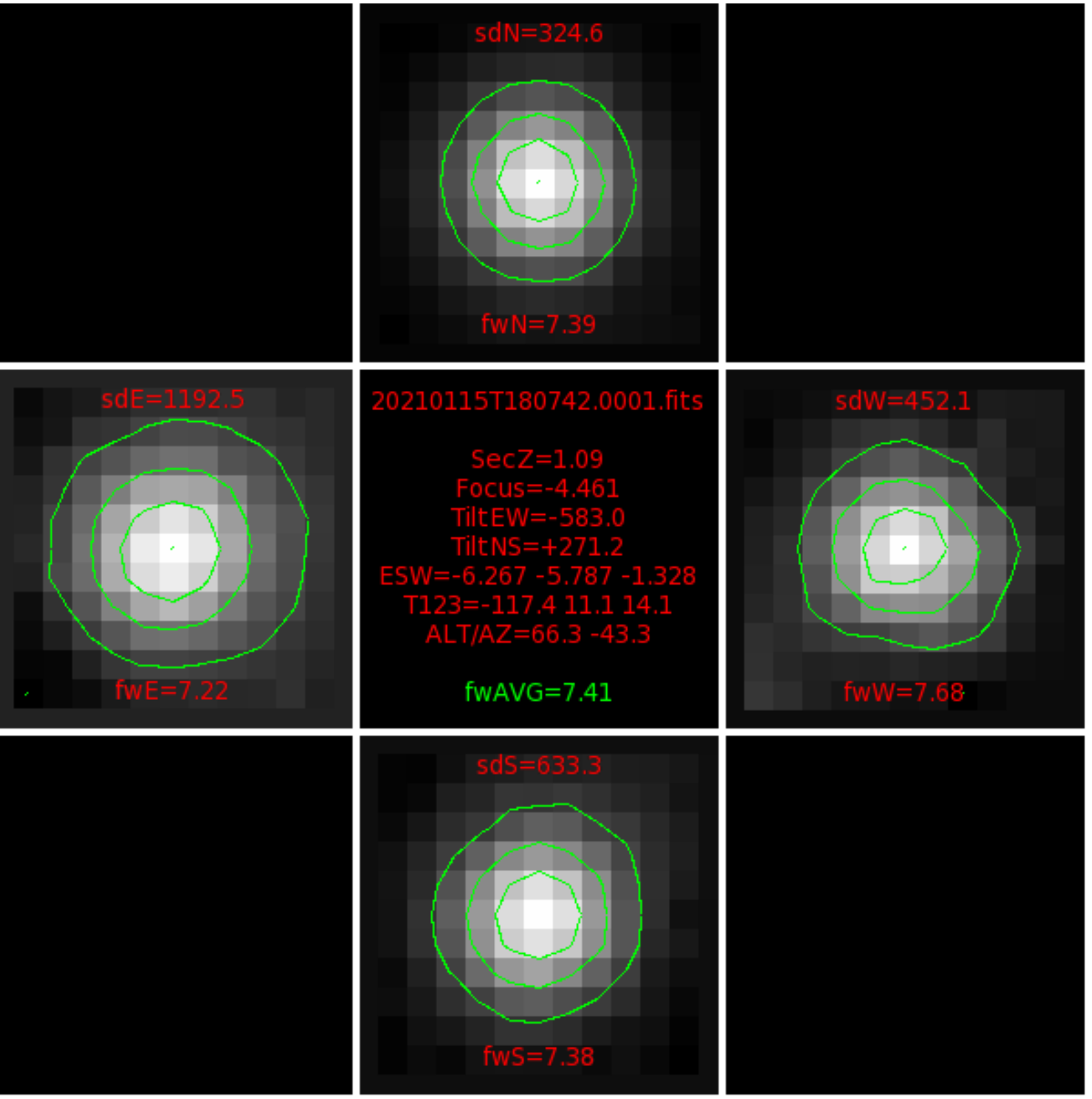
sdN=324.6
fwN=7.39
sdE=1192.5
fwE=7.22
20210115T180742.0001.fits
SecZ=1.09
Focus=-4.461
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.267 -5.787 -1.328
T123=-117.4 11.1 14.1
ALT/AZ=66.3 -43.3
fwAVG=7.41
sdW=452.1
fwW=7.68
sdS=633.3
fwS=7.38
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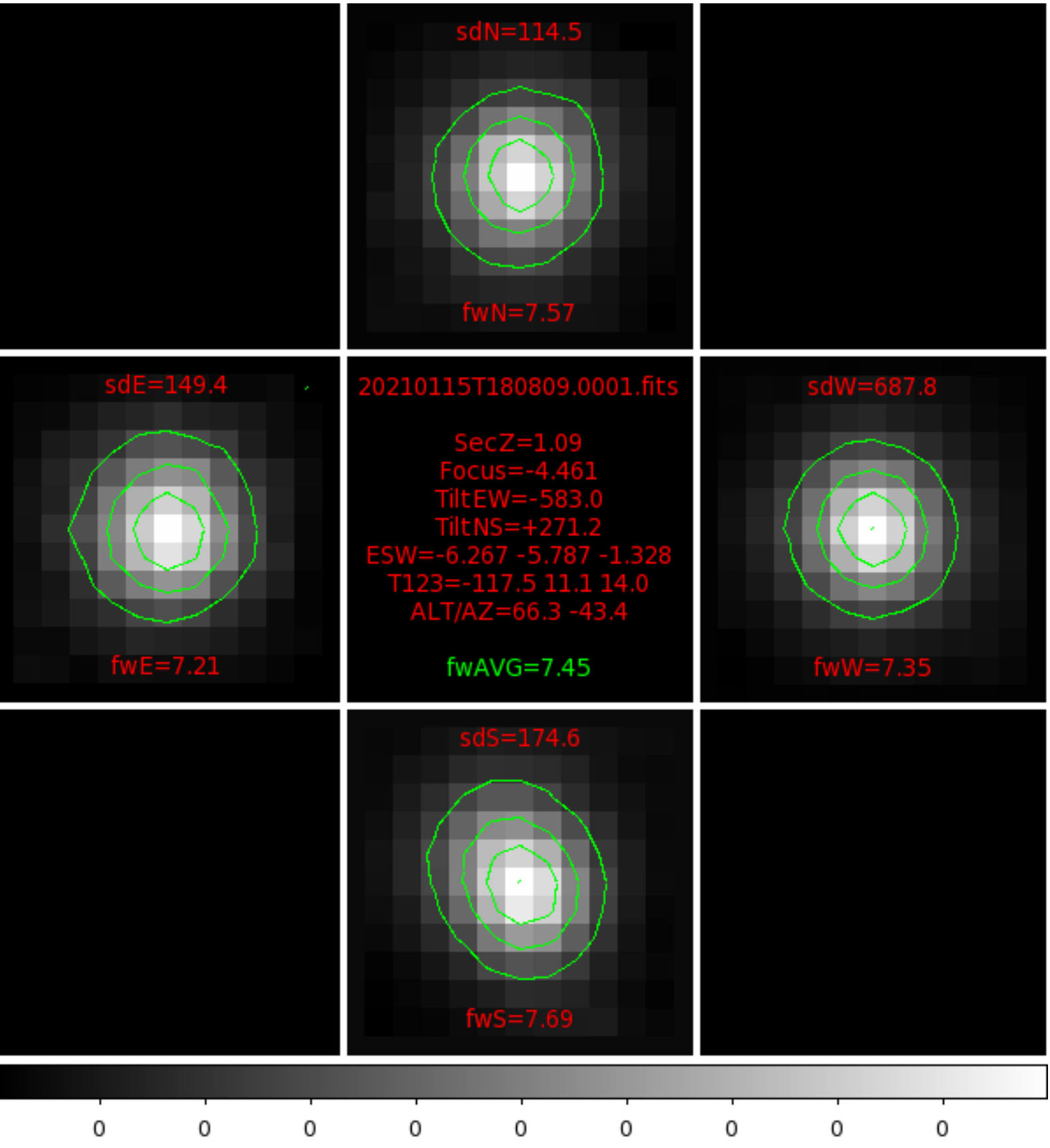
sdN=114.5
fwN=7.57
sdE=149.4
fwE=7.21
20210115T180809.0001.fits
SecZ=1.09
Focus=-4.461
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.267 -5.787 -1.328
T123=-117.5 11.1 14.0
ALT/AZ=66.3 -43.4
fwAVG=7.45
sdW=687.8
fwW=7.35
sdS=174.6
fwS=7.69
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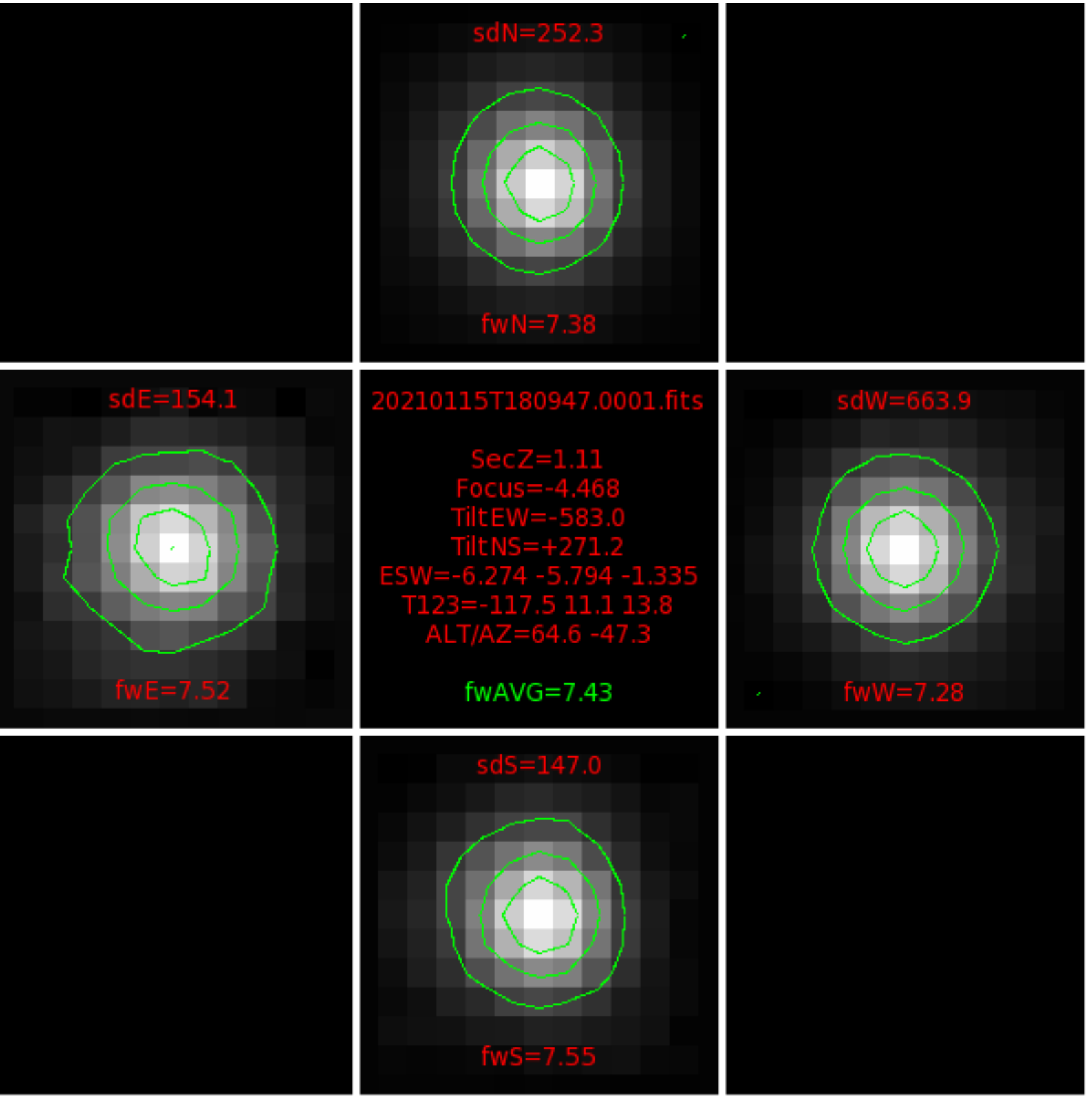
sdN=252.3
fwN=7.38
sdE=154.1
fwE=7.52
20210115T180947.0001.fits
SecZ=1.11
Focus=-4.468
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.274 -5.794 -1.335
T123=-117.5 11.1 13.8
ALT/AZ=64.6 -47.3
fwAVG=7.43
sdW=663.9
fwW=7.28
sdS=147.0
fwS=7.55
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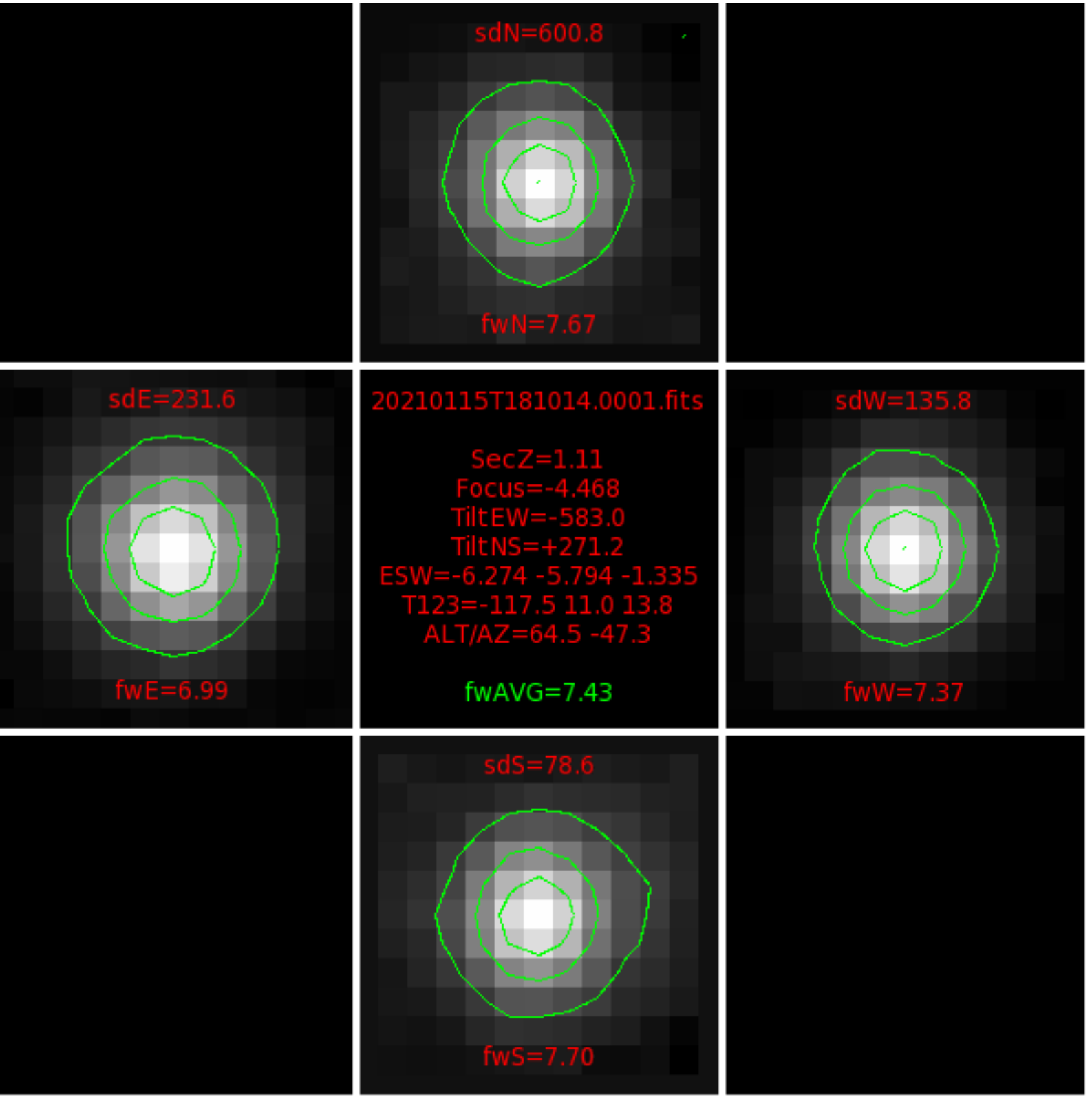
sdN=600.8
fwN=7.67
sdE=231.6
fwE=6.99
20210115T181014.0001.fits
SecZ=1.11
Focus=-4.468
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.274 -5.794 -1.335
T123=-117.5 11.0 13.8
ALT/AZ=64.5 -47.3
fwAVG=7.43
sdW=135.8
fwW=7.37
sdS=78.6
fwS=7.70
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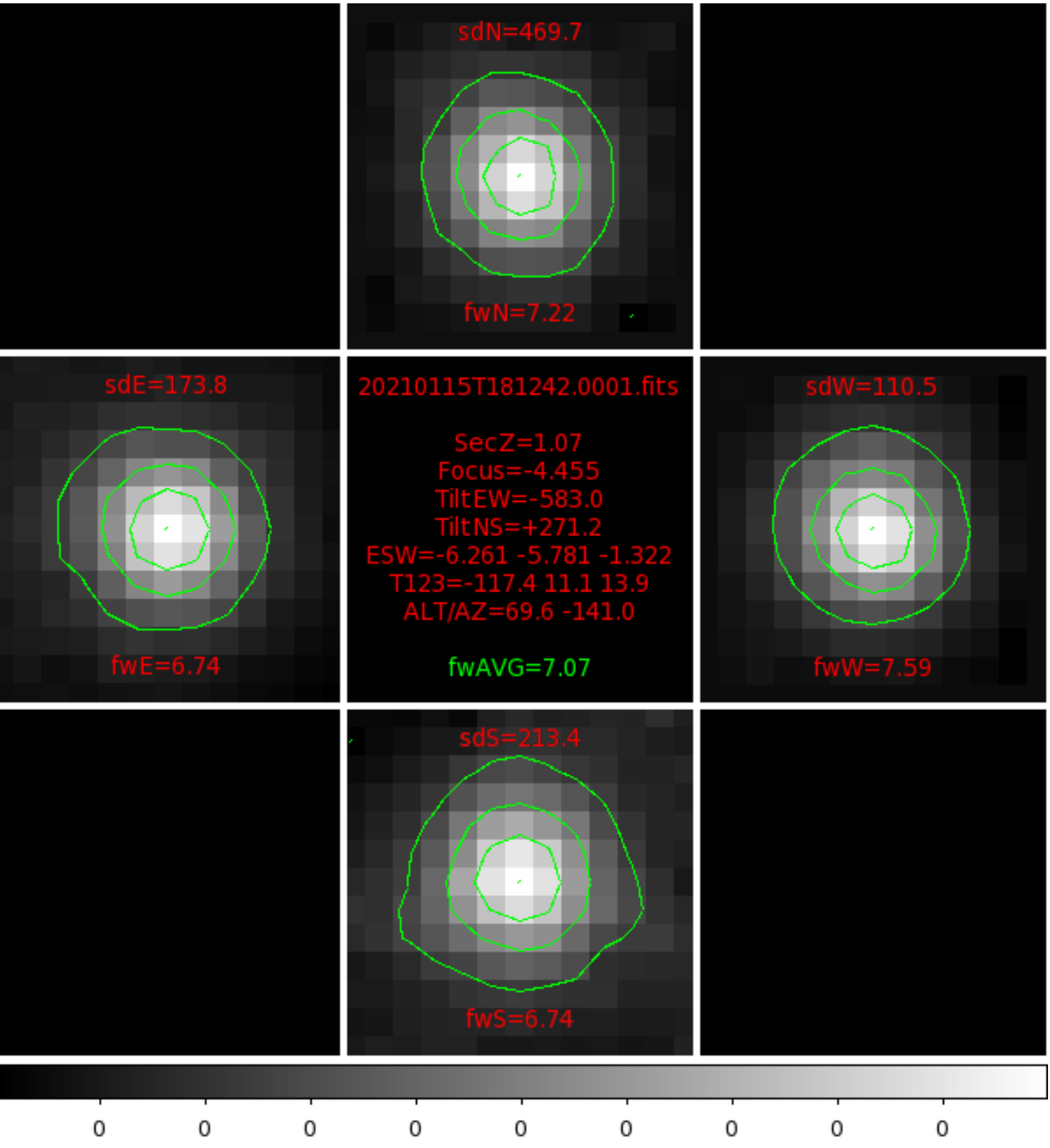
sdN=469.7
fwN=7.22
sdE=173.8
fwE=6.74
20210115T181242.0001.fits
SecZ=1.07
Focus=-4.455
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.261 -5.781 -1.322
T123=-117.4 11.1 13.9
ALT/AZ=69.6 -141.0
fwAVG=7.07
sdW=110.5
fwW=7.59
sdS=213.4
fwS=6.74
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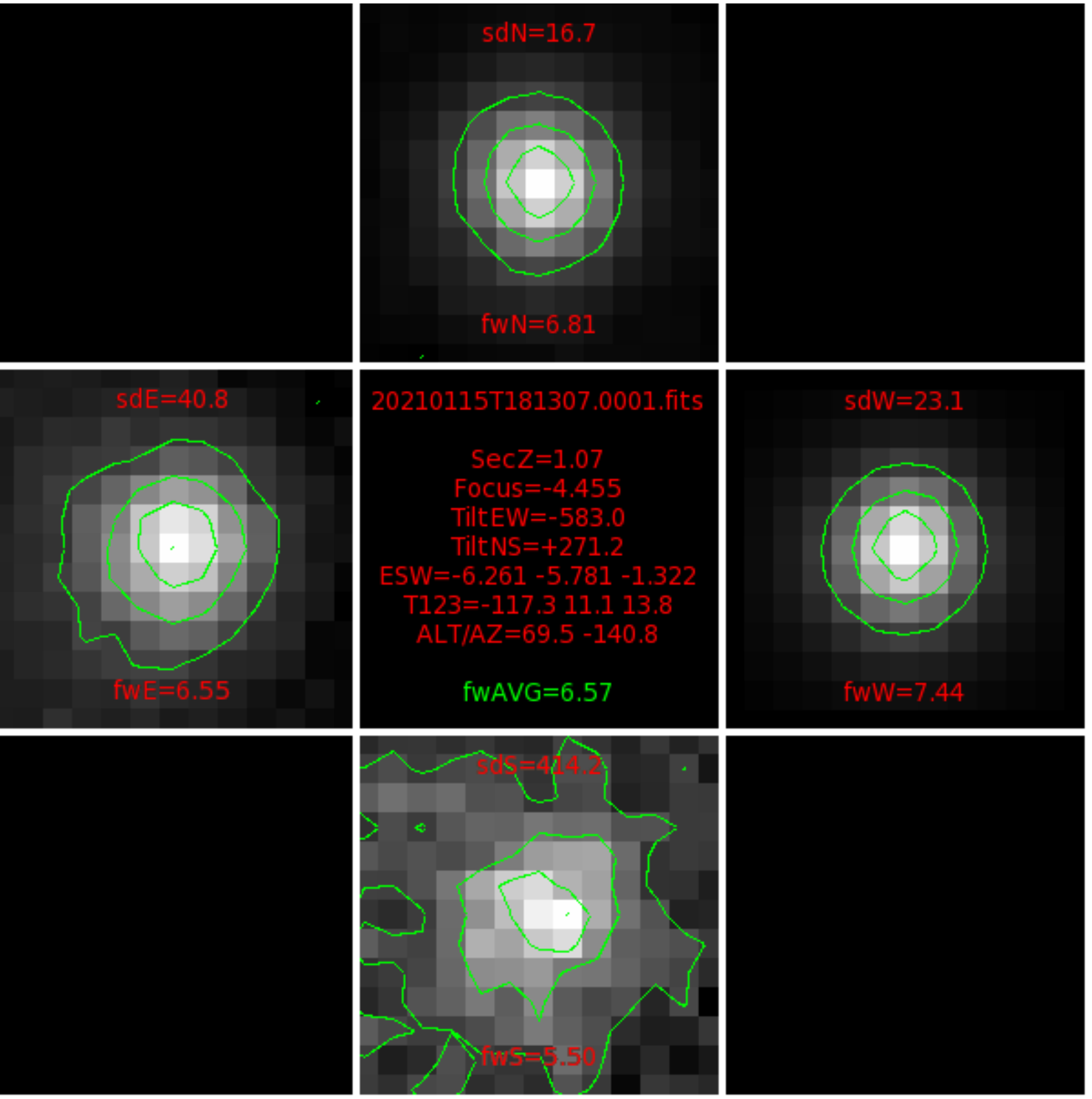
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sdE=40.8
fwE=6.55
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SecZ=1.07
Focus=-4.455
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.261 -5.781 -1.322
T123=-117.3 11.1 13.8
ALT/AZ=69.5 -140.8
fwAVG=6.57
sdW=23.1
fwW=7.44
sdS=414.2
fwS=5.50
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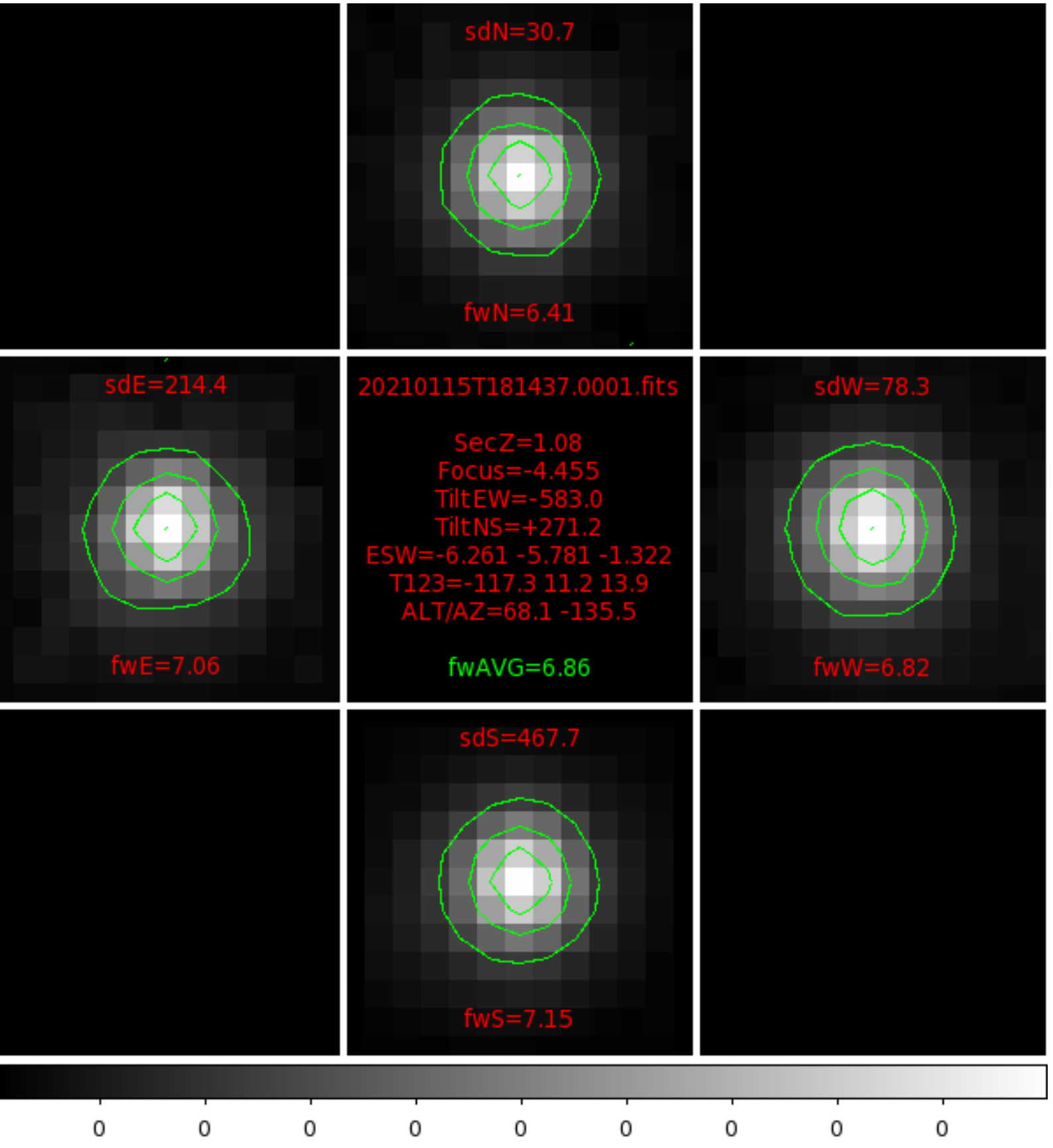
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fwN=6.41
sdE=214.4
fwE=7.06
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SecZ=1.08
Focus=-4.455
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.261 -5.781 -1.322
T123=-117.3 11.2 13.9
ALT/AZ=68.1 -135.5
fwAVG=6.86
sdW=78.3
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sdS=467.7
fwS=7.15
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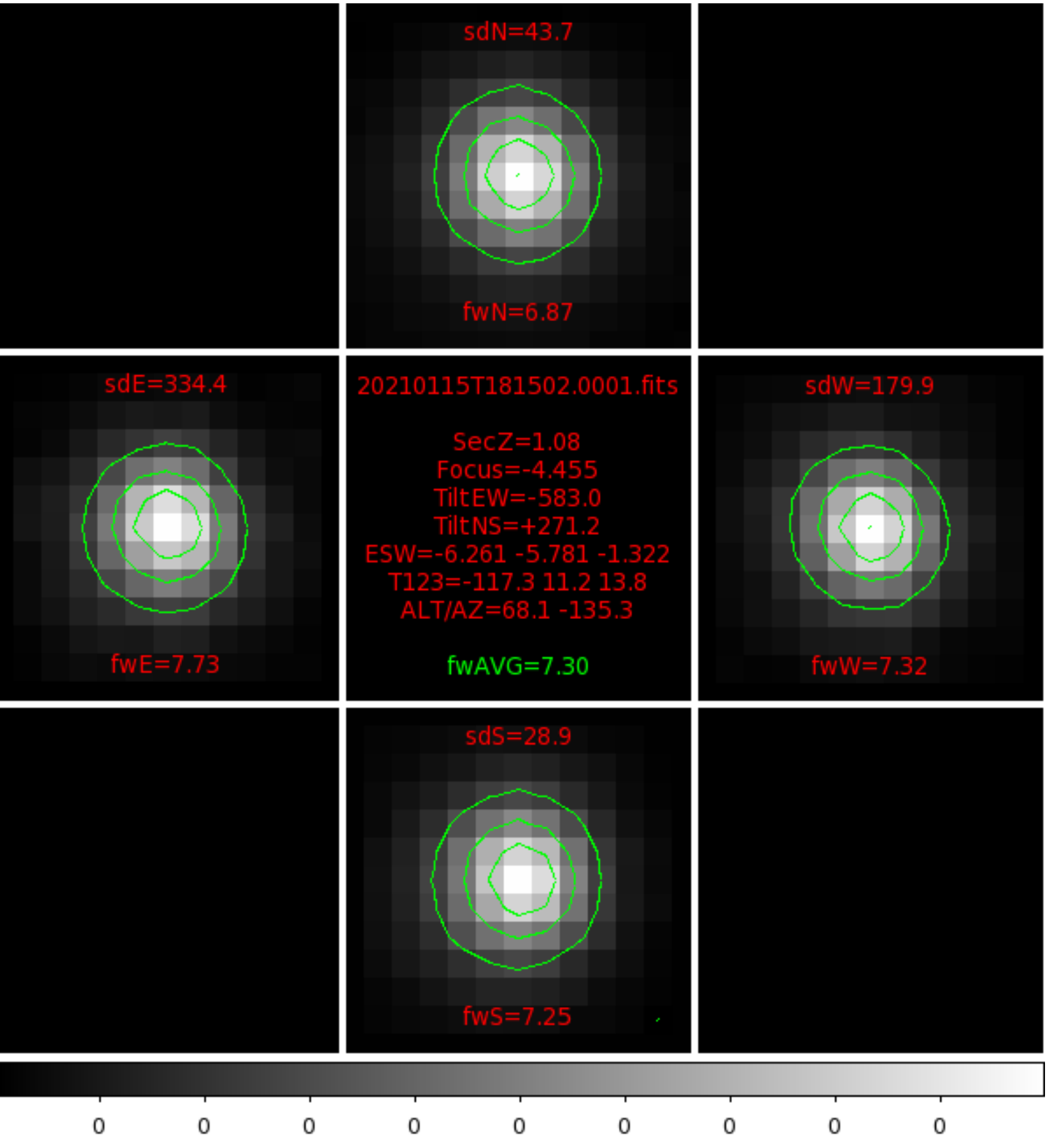
sdN=43.7
fwN=6.87
sdE=334.4
fwE=7.73
20210115T181502.0001.fits
SecZ=1.08
Focus=-4.455
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.261 -5.781 -1.322
T123=-117.3 11.2 13.8
ALT/AZ=68.1 -135.3
fwAVG=7.30
sdW=179.9
fwW=7.32
sdS=28.9
fwS=7.25
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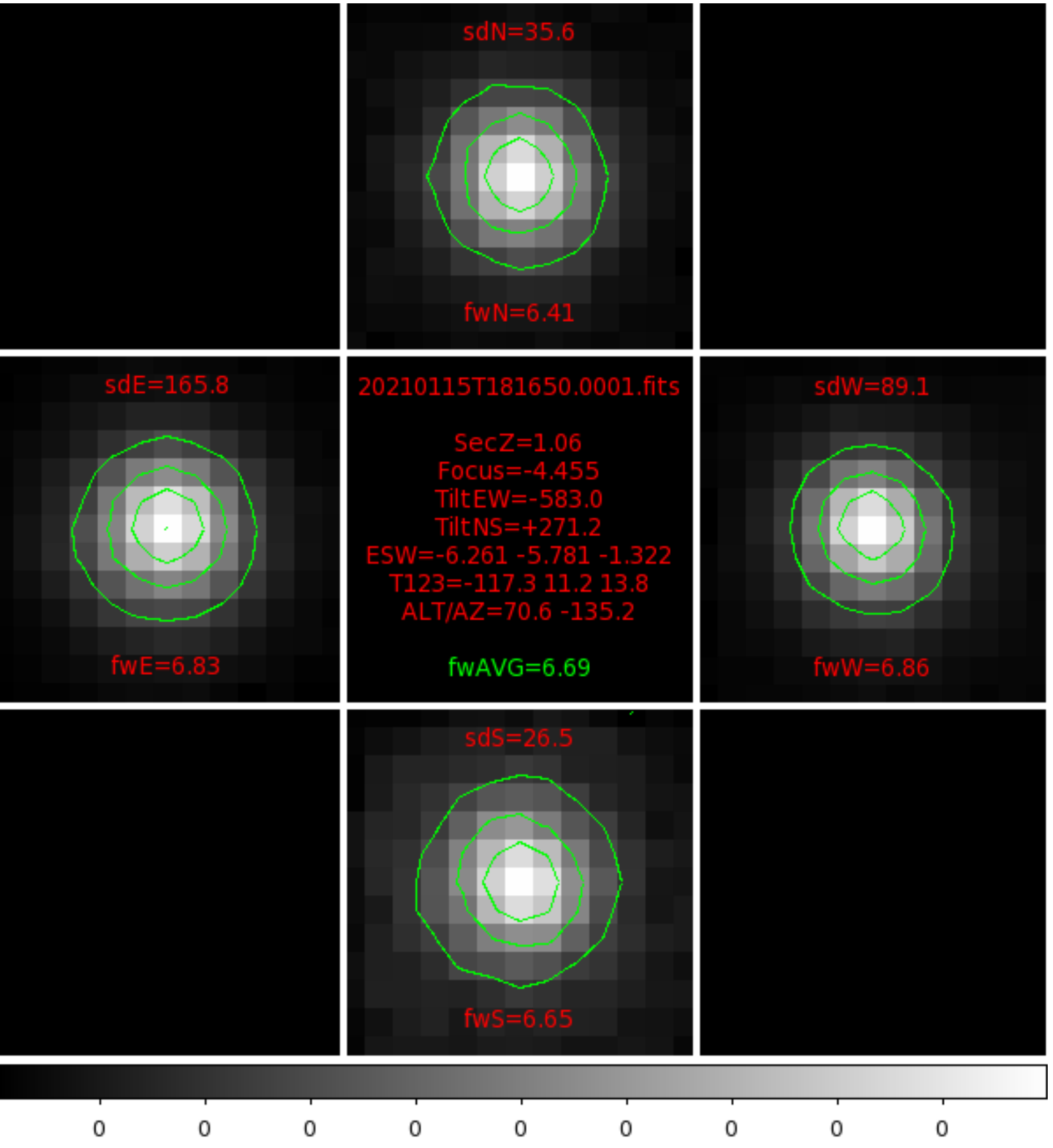
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sdE=165.8
fwE=6.83
20210115T181650.0001.fits
SecZ=1.06
Focus=-4.455
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.261 -5.781 -1.322
T123=-117.3 11.2 13.8
ALT/AZ=70.6 -135.2
fwAVG=6.69
sdW=89.1
fwW=6.86
sdS=26.5
fwS=6.65
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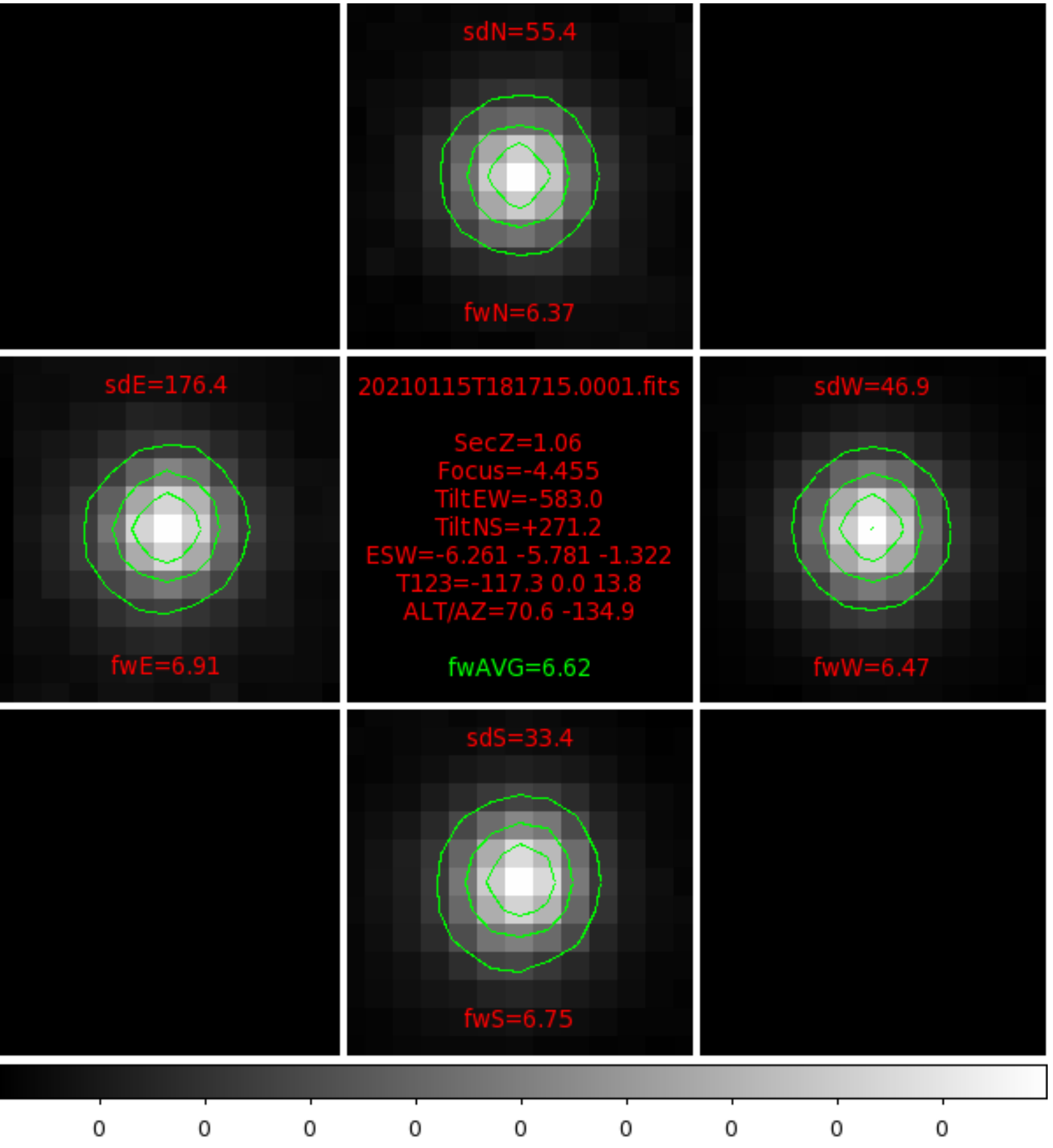
sdN=55.4
fwN=6.37
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fwE=6.91
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SecZ=1.06
Focus=-4.455
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.261 -5.781 -1.322
T123=-117.3 0.0 13.8
ALT/AZ=70.6 -134.9
fwAVG=6.62
sdW=46.9
fwW=6.47
sdS=33.4
fwS=6.75
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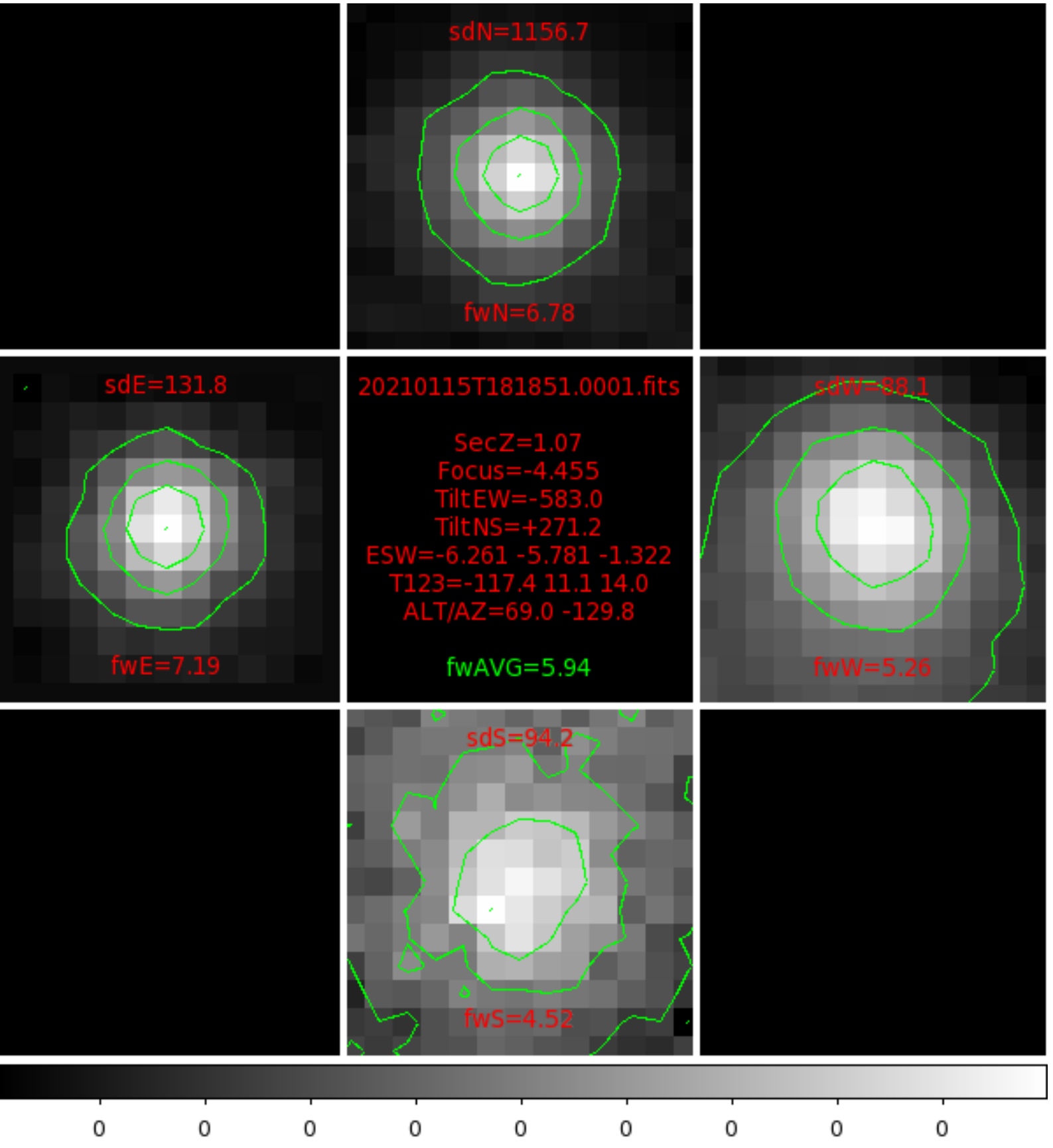
sdN=1156.7
fwN=6.78
sdE=131.8
fwE=7.19
20210115T181851.0001.fits
SecZ=1.07
Focus=-4.455
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.261 -5.781 -1.322
T123=-117.4 11.1 14.0
ALT/AZ=69.0 -129.8
fwAVG=5.94
sdW=88.1
fwW=5.26
sdS=94.2
fwS=4.52
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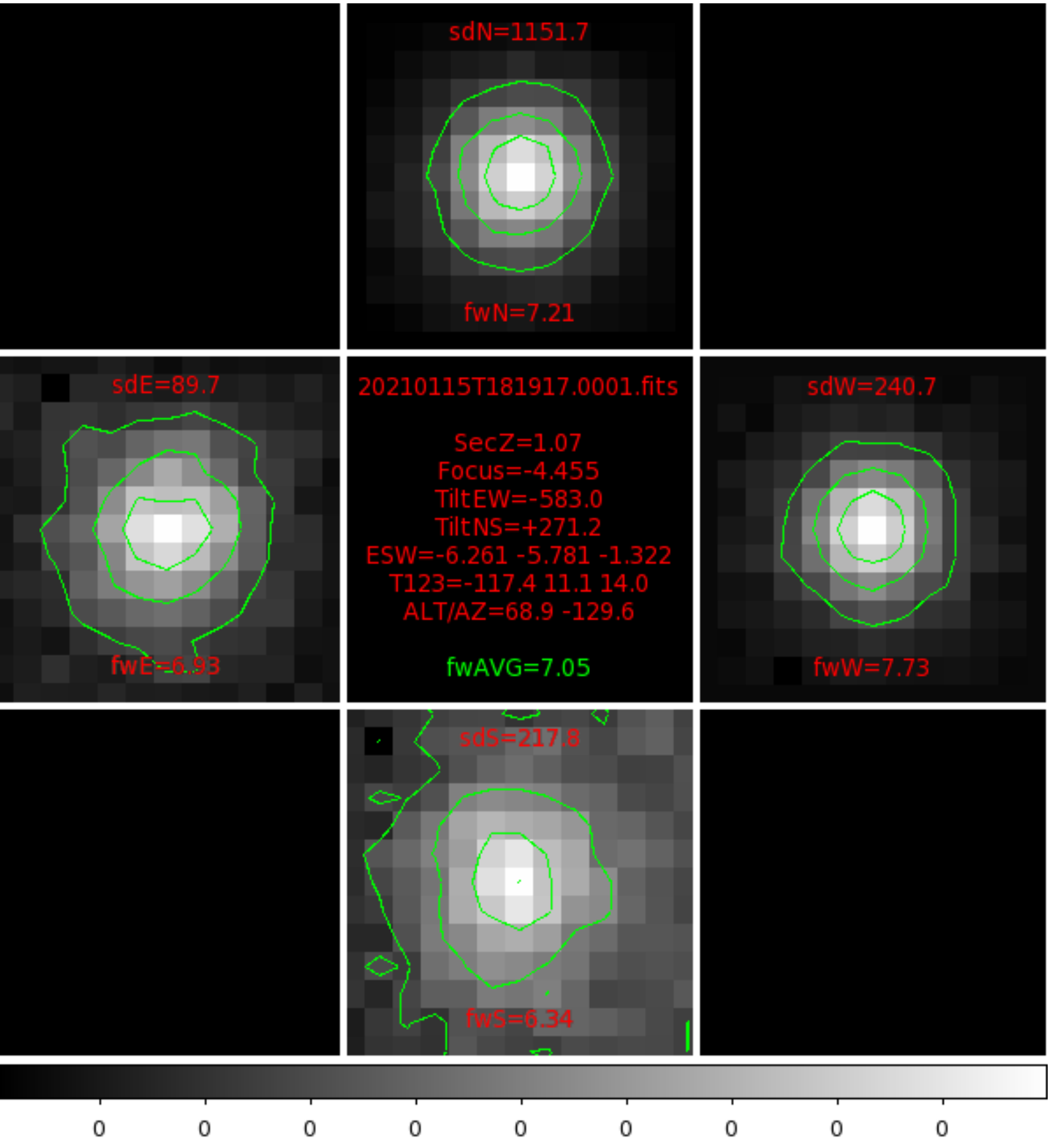
sdN=1151.7
fwN=7.21
sdE=89.7
fwE=6.93
20210115T181917.0001.fits
SecZ=1.07
Focus=-4.455
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.261 -5.781 -1.322
T123=-117.4 11.1 14.0
ALT/AZ=68.9 -129.6
fwAVG=7.05
sdW=240.7
fwW=7.73
sdS=217.8
fwS=6.34
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