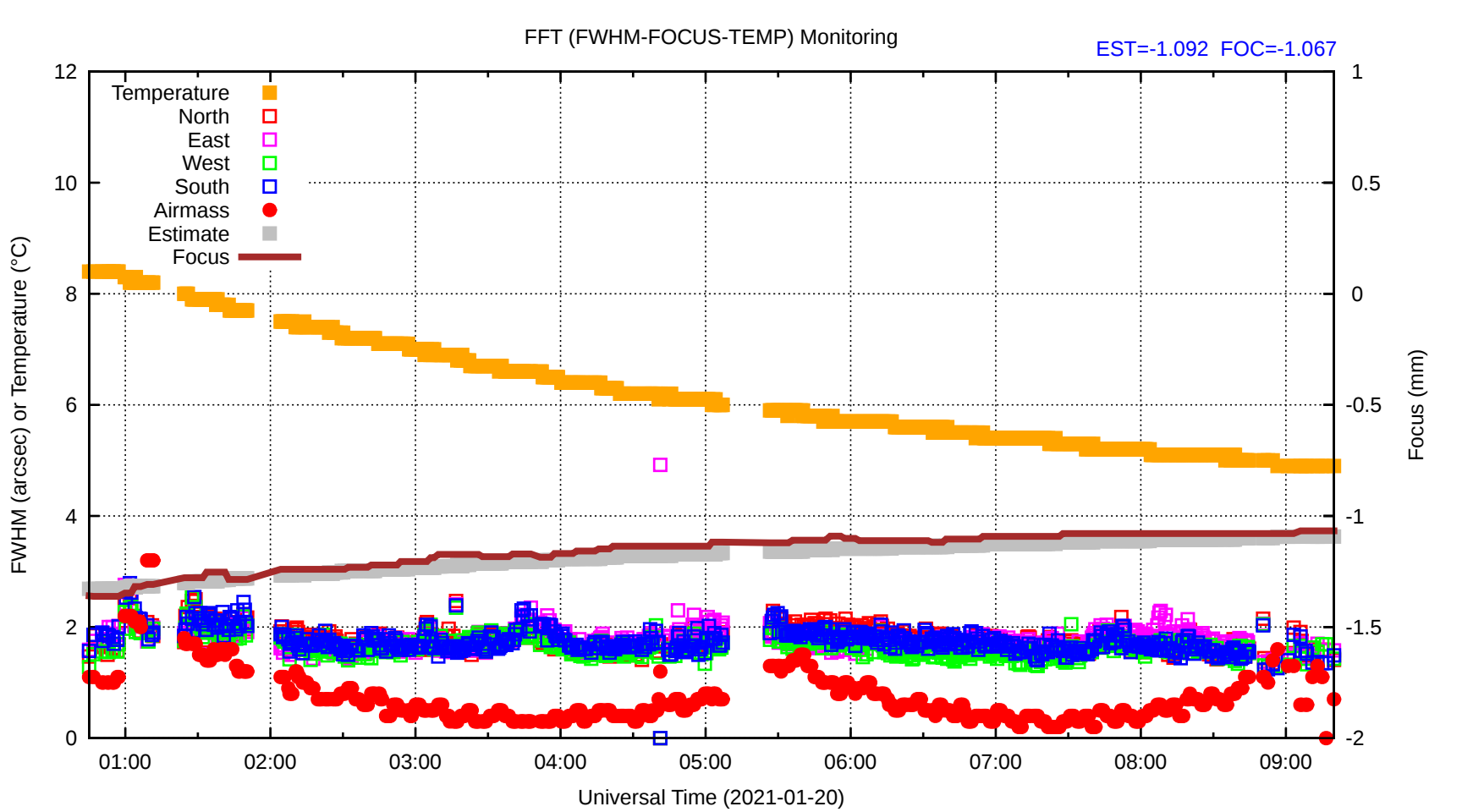
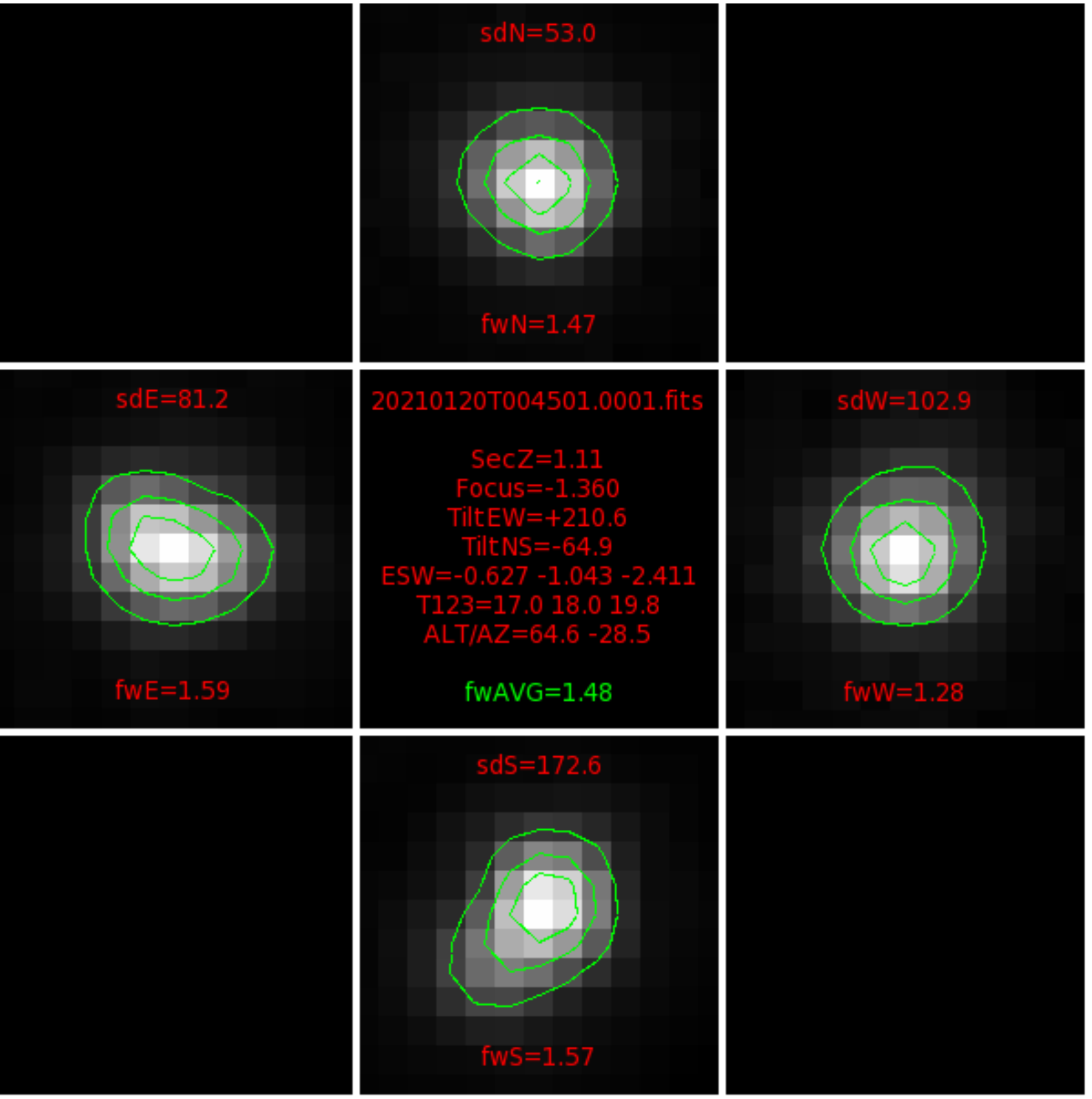

FFT (FWHM-FOCUS-TEMP) Monitoring
EST=-1.092 FOC=-1.067
Temperature
North
East
West
South
Airmass
Estimate
Focus
FWHM (arcsec) or Temperature (°C)
Focus (mm)
Universal Time (2021-01-20)
0
2
4
6
8
10
12
-2
-1.5
-1
-0.5
0
0.5
1
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00


sdN=53.0
fwN=1.47
sdE=81.2
fwE=1.59
20210120T004501.0001.fits
SecZ=1.11
Focus=-1.360
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.627 -1.043 -2.411
T123=17.0 18.0 19.8
ALT/AZ=64.6 -28.5
fwAVG=1.48
sdW=102.9
fwW=1.28
sdS=172.6
fwS=1.57
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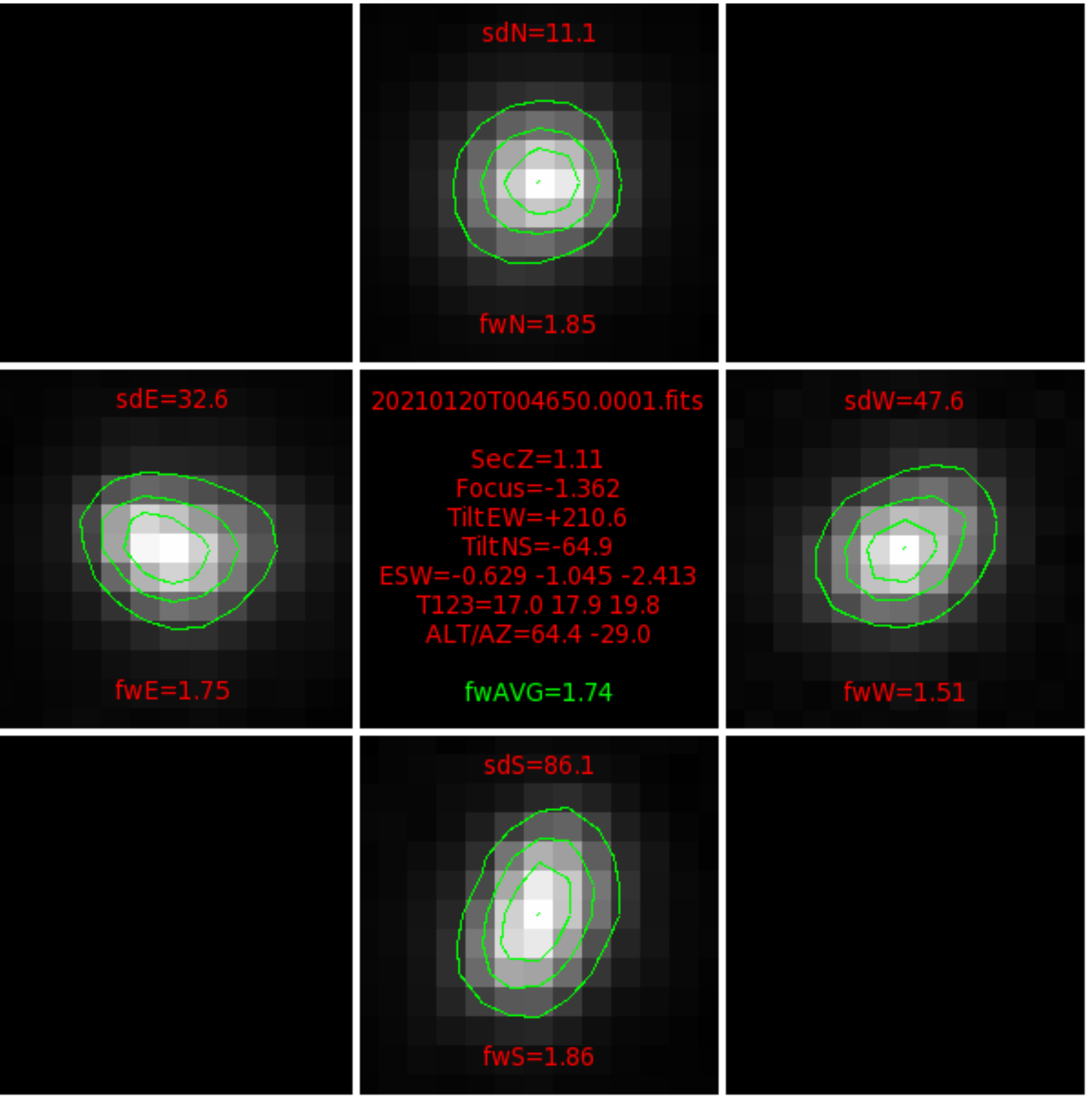
sdN=11.1
fwN=1.85
sdE=32.6
fwE=1.75
20210120T004650.0001.fits
SecZ=1.11
Focus=-1.362
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.629 -1.045 -2.413
T123=17.0 17.9 19.8
ALT/AZ=64.4 -29.0
fwAVG=1.74
sdW=47.6
fwW=1.51
sdS=86.1
fwS=1.86
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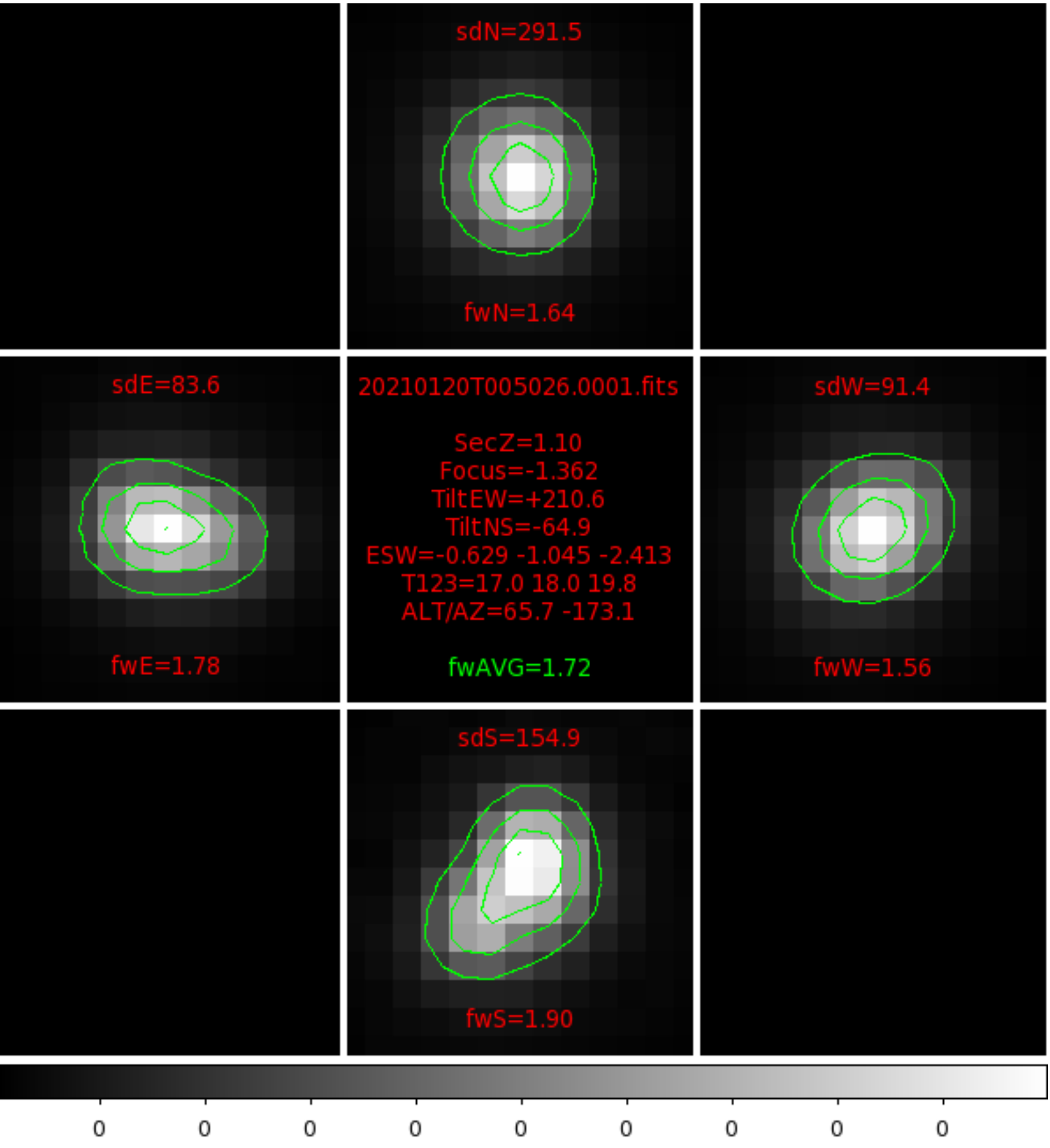
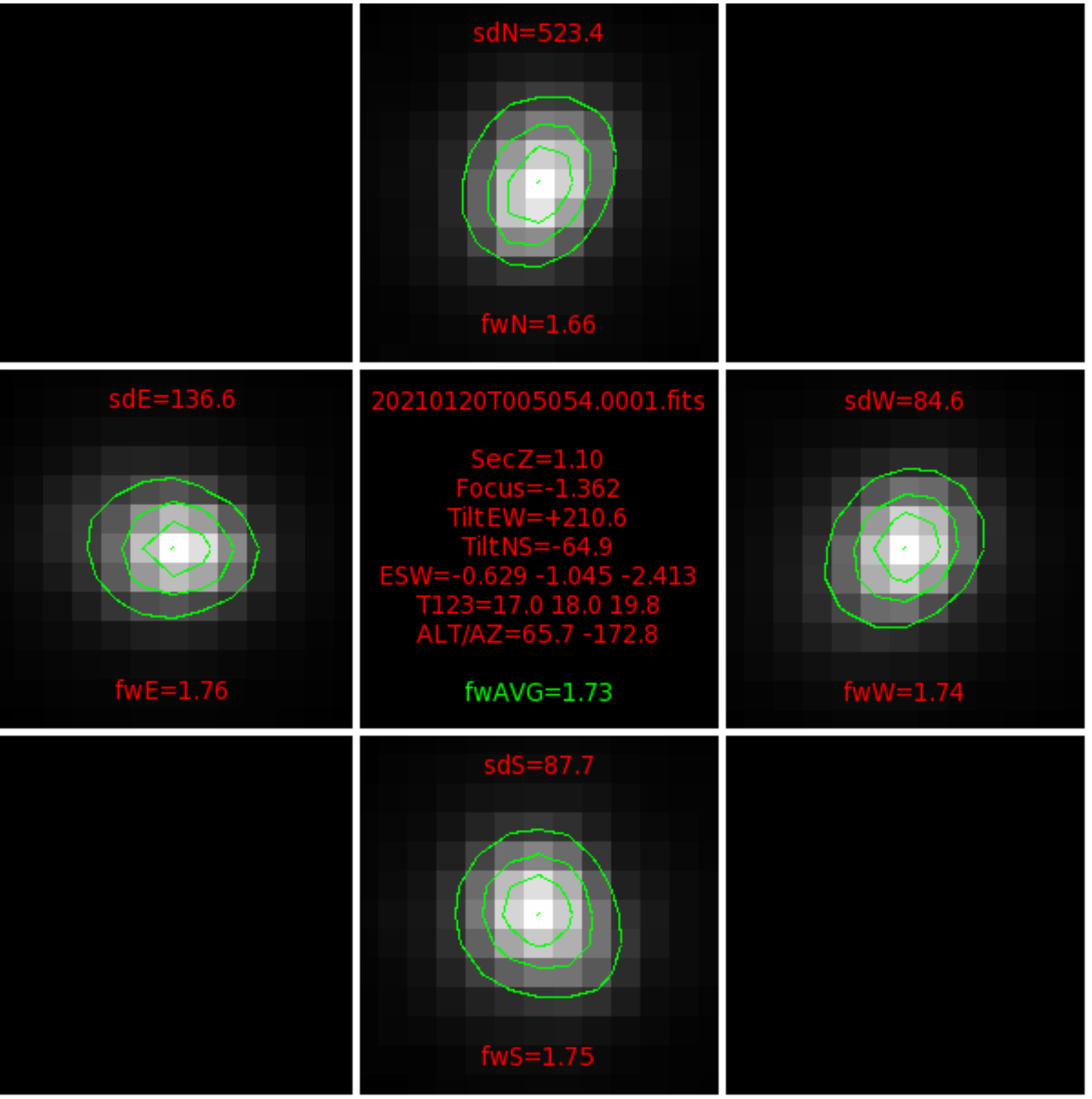
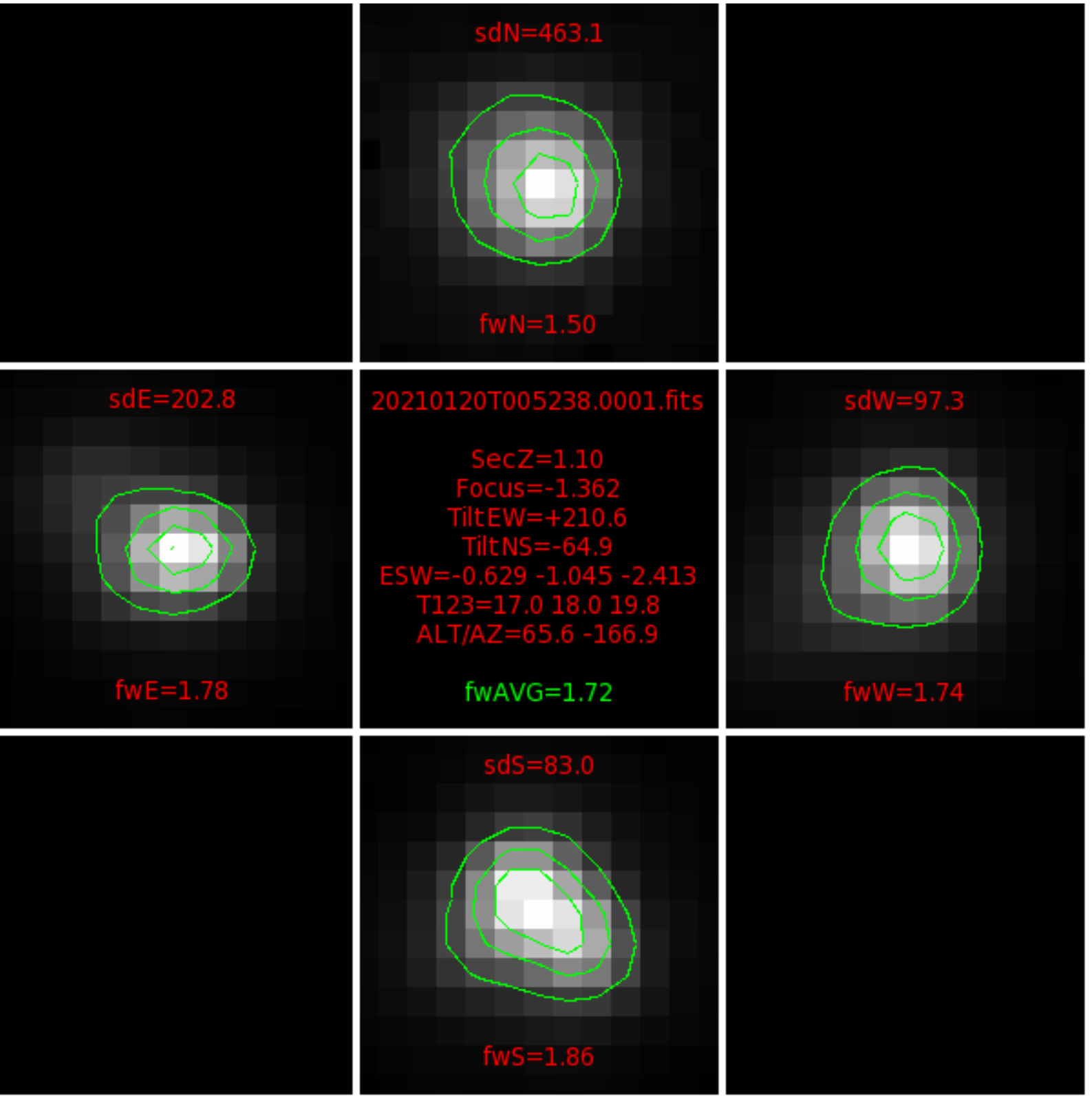
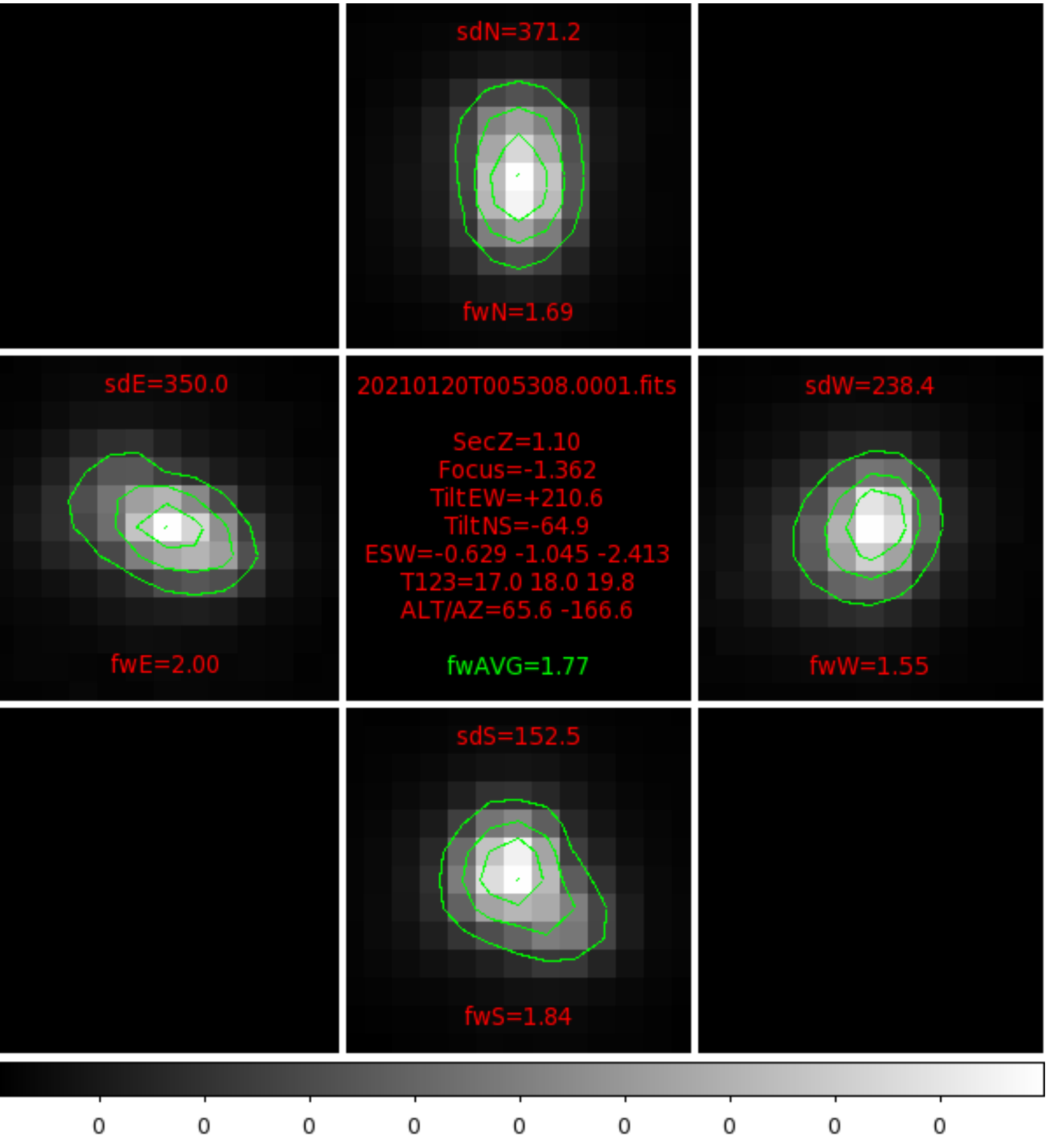

sdN=291.5
fwN=1.64
sdE=83.6
fwE=1.78
20210120T005026.0001.fits
SecZ=1.10
Focus=-1.362
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.629 -1.045 -2.413
T123=17.0 18.0 19.8
ALT/AZ=65.7 -173.1
fwAVG=1.72
sdW=91.4
fwW=1.56
sdS=154.9
fwS=1.90
0 0 0 0 0 0 0 0 0


sdN=523.4
fwN=1.66
sdE=136.6
fwE=1.76
20210120T005054.0001.fits
SecZ=1.10
Focus=-1.362
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.629 -1.045 -2.413
T123=17.0 18.0 19.8
ALT/AZ=65.7 -172.8
fwAVG=1.73
sdW=84.6
fwW=1.74
sdS=87.7
fwS=1.75
0 0 0 0 0 0 0 0 0


sdN=463.1
fwN=1.50
sdE=202.8
fwE=1.78
20210120T005238.0001.fits
SecZ=1.10
Focus=-1.362
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.629 -1.045 -2.413
T123=17.0 18.0 19.8
ALT/AZ=65.6 -166.9
fwAVG=1.72
sdW=97.3
fwW=1.74
sdS=83.0
fwS=1.86
0 0 0 0 0 0 0 0 0


sdN=371.2
fwN=1.69
sdE=350.0
fwE=2.00
20210120T005308.0001.fits
SecZ=1.10
Focus=-1.362
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.629 -1.045 -2.413
T123=17.0 18.0 19.8
ALT/AZ=65.6 -166.6
fwAVG=1.77
sdW=238.4
fwW=1.55
sdS=152.5
fwS=1.84
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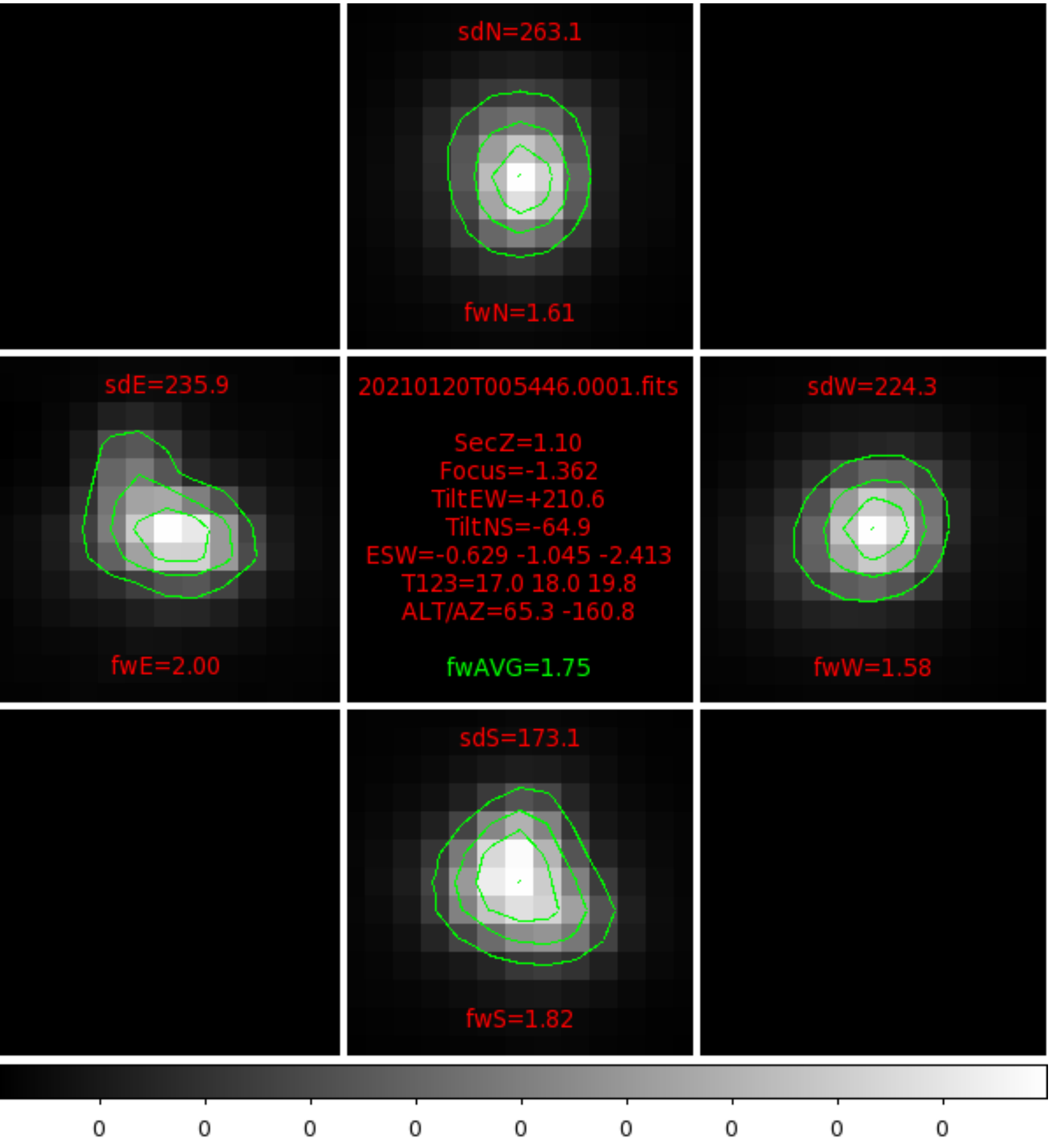
sdN=263.1
fwN=1.61
sdE=235.9
fwE=2.00
20210120T005446.0001.fits
SecZ=1.10
Focus=-1.362
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.629 -1.045 -2.413
T123=17.0 18.0 19.8
ALT/AZ=65.3 -160.8
fwAVG=1.75
sdW=224.3
fwW=1.58
sdS=173.1
fwS=1.82
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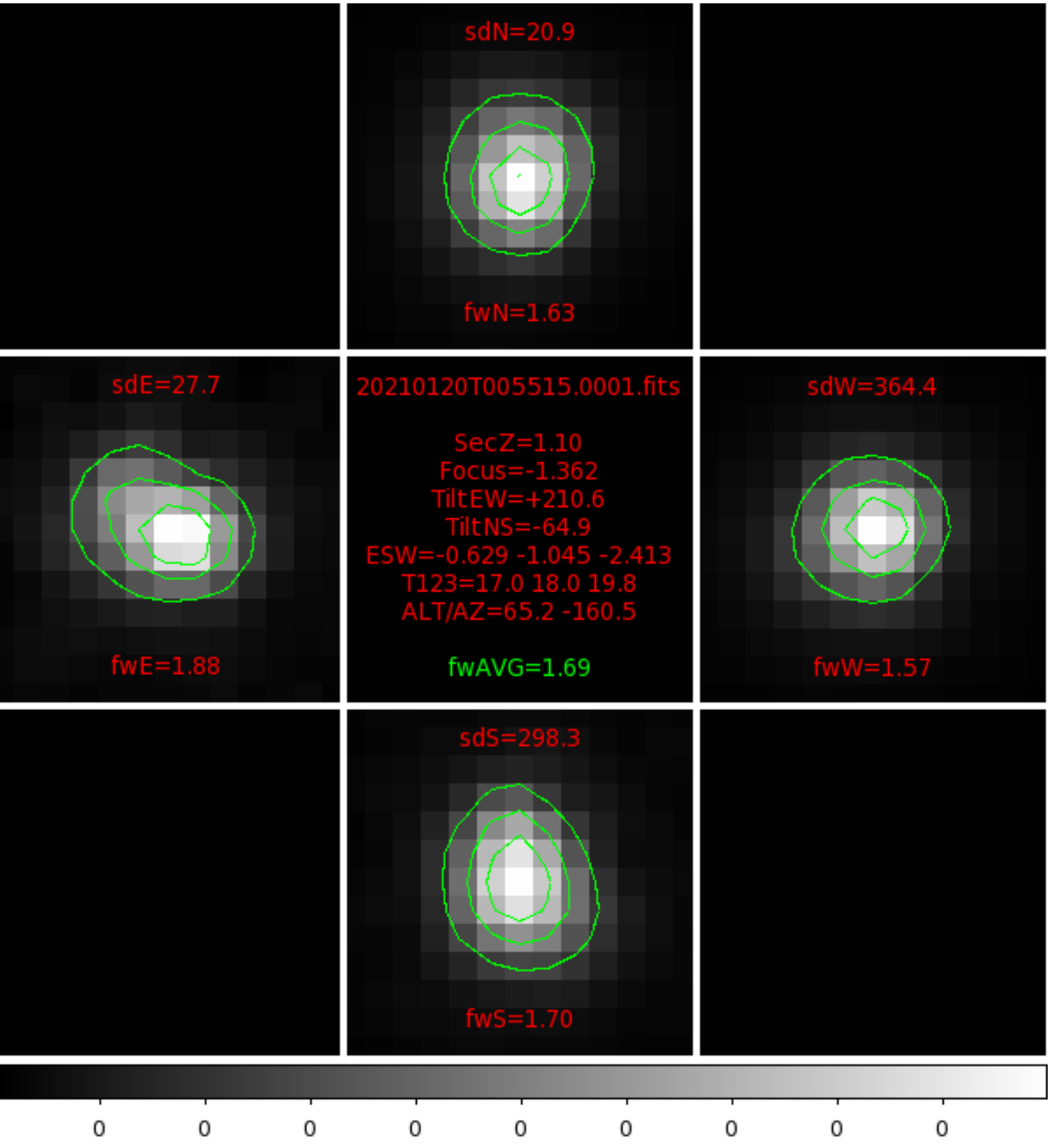
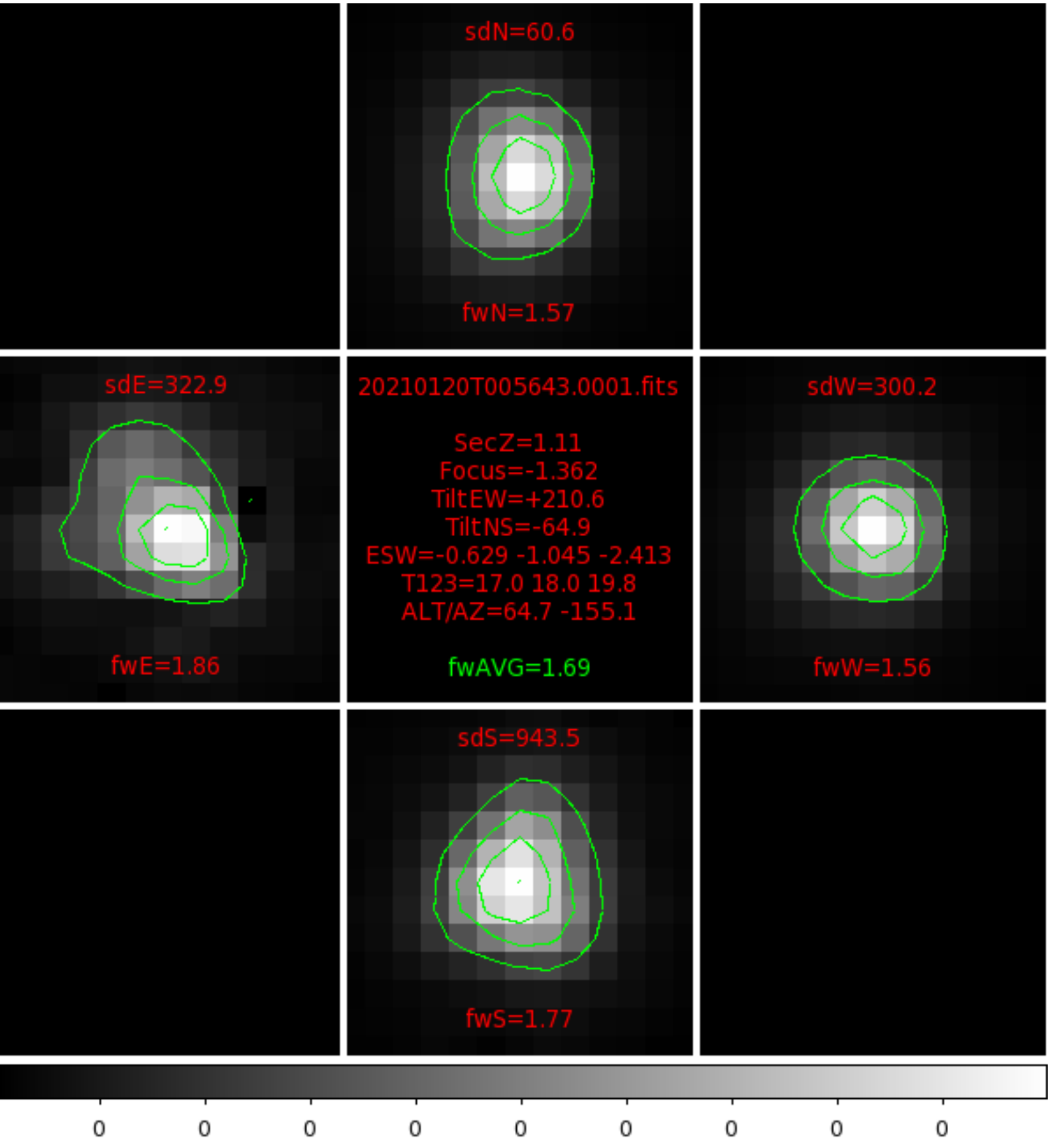

sdN=20.9
fwN=1.63
sdE=27.7
fwE=1.88
20210120T005515.0001.fits
SecZ=1.10
Focus=-1.362
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.629 -1.045 -2.413
T123=17.0 18.0 19.8
ALT/AZ=65.2 -160.5
fwAVG=1.69
sdW=364.4
fwW=1.57
sdS=298.3
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=60.6
fwN=1.57
sdE=322.9
fwE=1.86
20210120T005643.0001.fits
SecZ=1.11
Focus=-1.362
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.629 -1.045 -2.413
T123=17.0 18.0 19.8
ALT/AZ=64.7 -155.1
fwAVG=1.69
sdW=300.2
fwW=1.56
sdS=943.5
fwS=1.77
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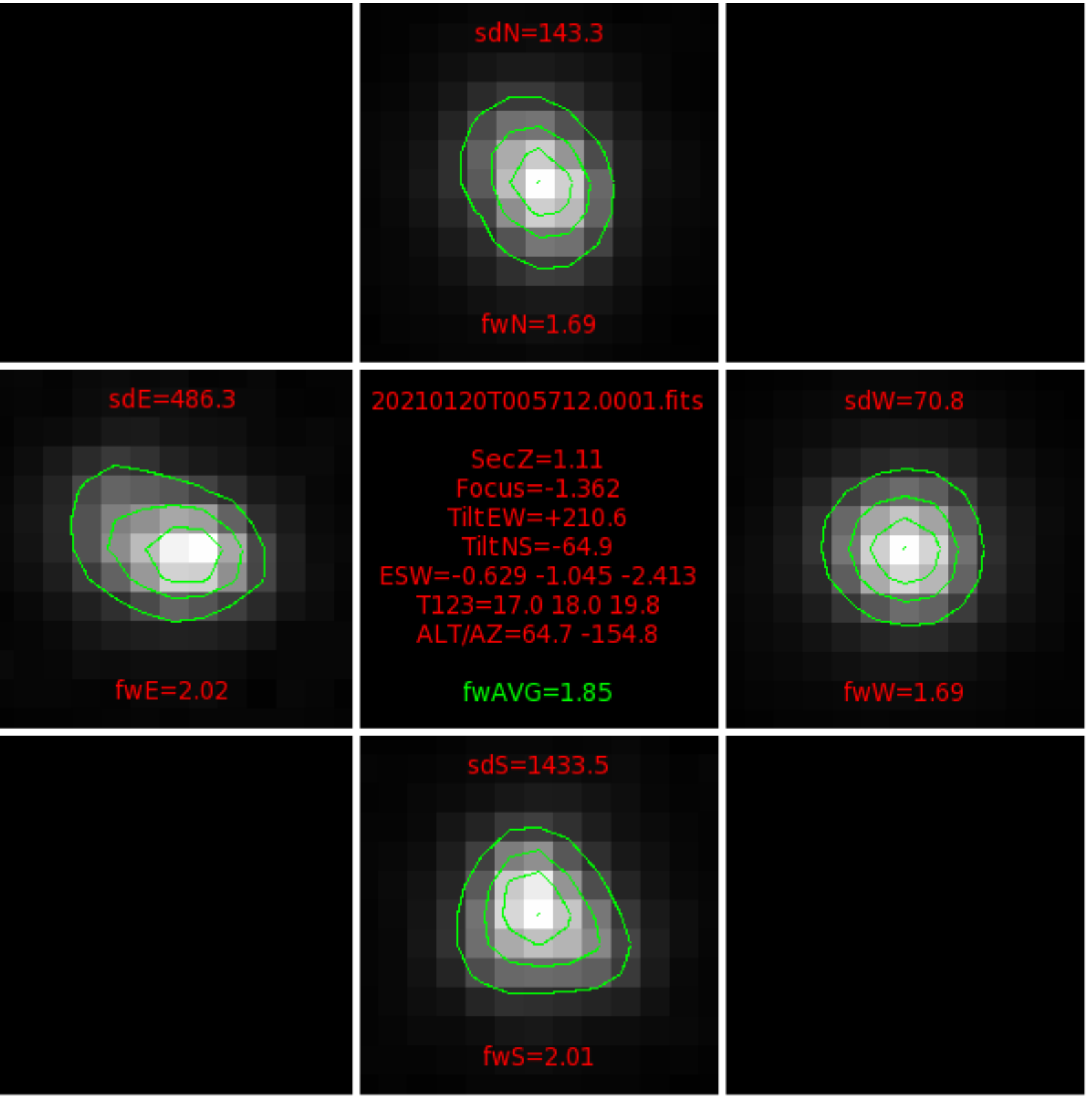
sdN=143.3
fwN=1.69
sdE=486.3
fwE=2.02
20210120T005712.0001.fits
SecZ=1.11
Focus=-1.362
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.629 -1.045 -2.413
T123=17.0 18.0 19.8
ALT/AZ=64.7 -154.8
fwAVG=1.85
sdW=70.8
fwW=1.69
sdS=1433.5
fwS=2.01
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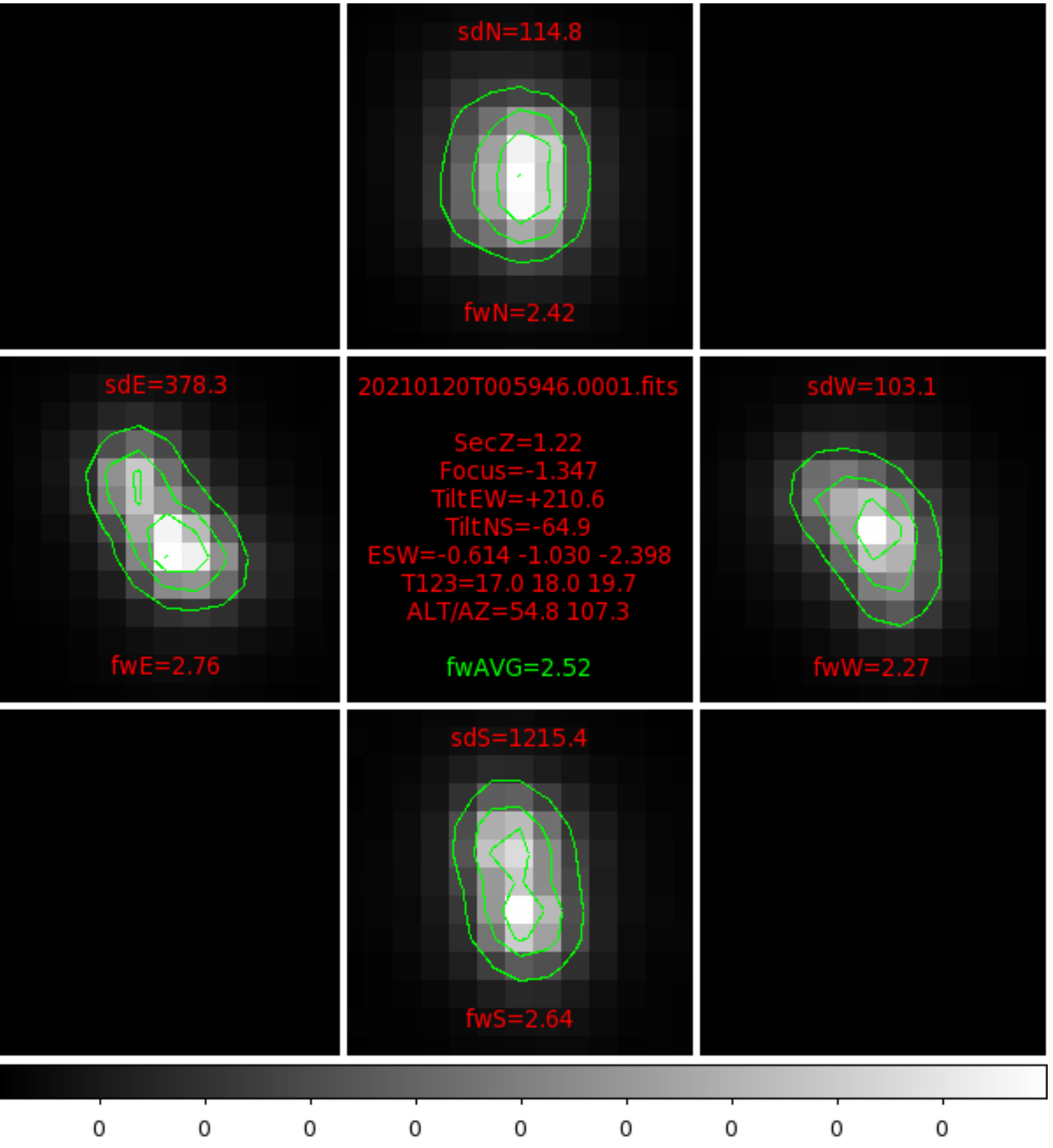
sdN=114.8
fwN=2.42
sdE=378.3
fwE=2.76
20210120T005946.0001.fits
SecZ=1.22
Focus=-1.347
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.614 -1.030 -2.398
T123=17.0 18.0 19.7
ALT/AZ=54.8 107.3
fwAVG=2.52
sdW=103.1
fwW=2.27
sdS=1215.4
fwS=2.64
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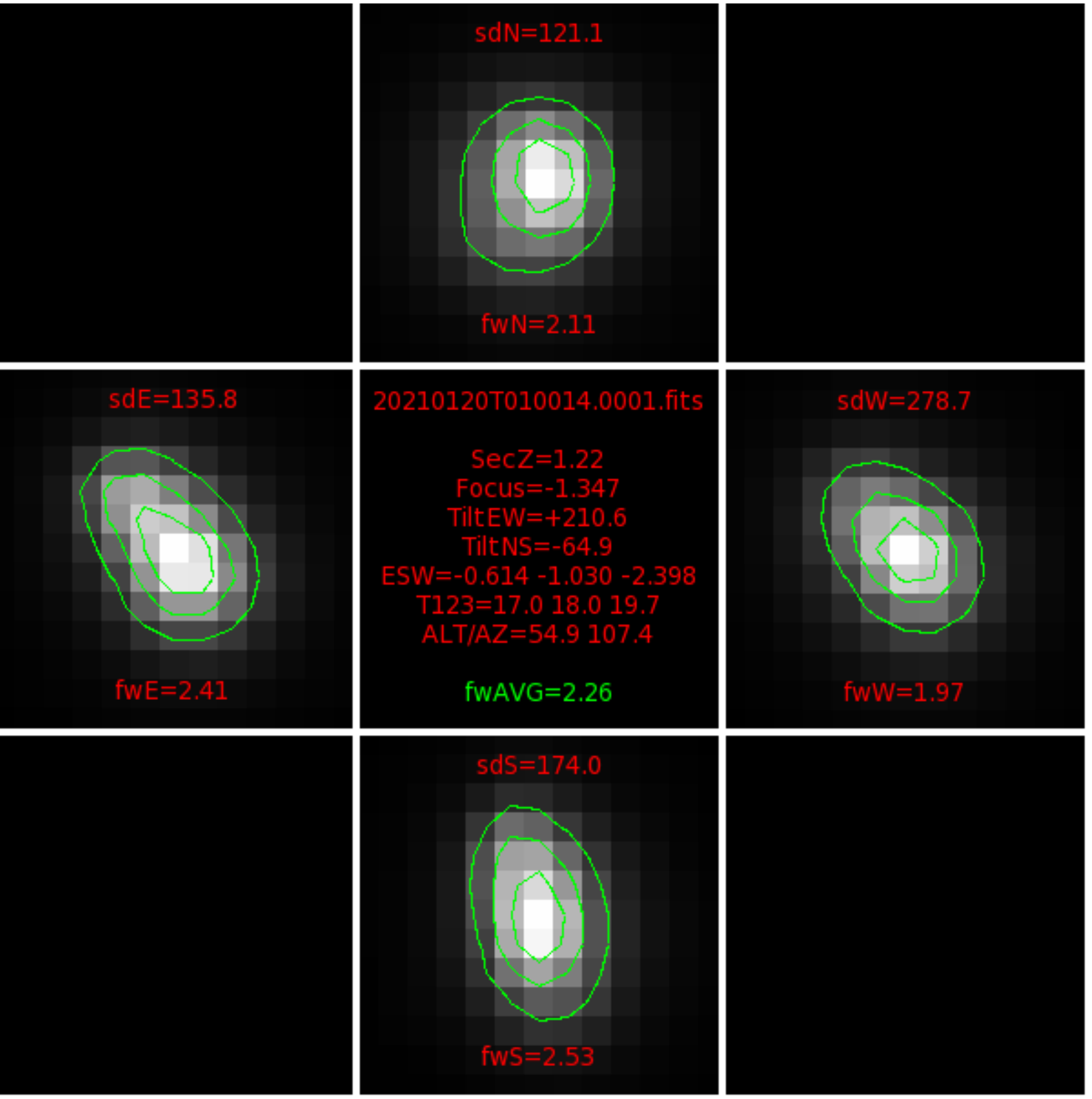
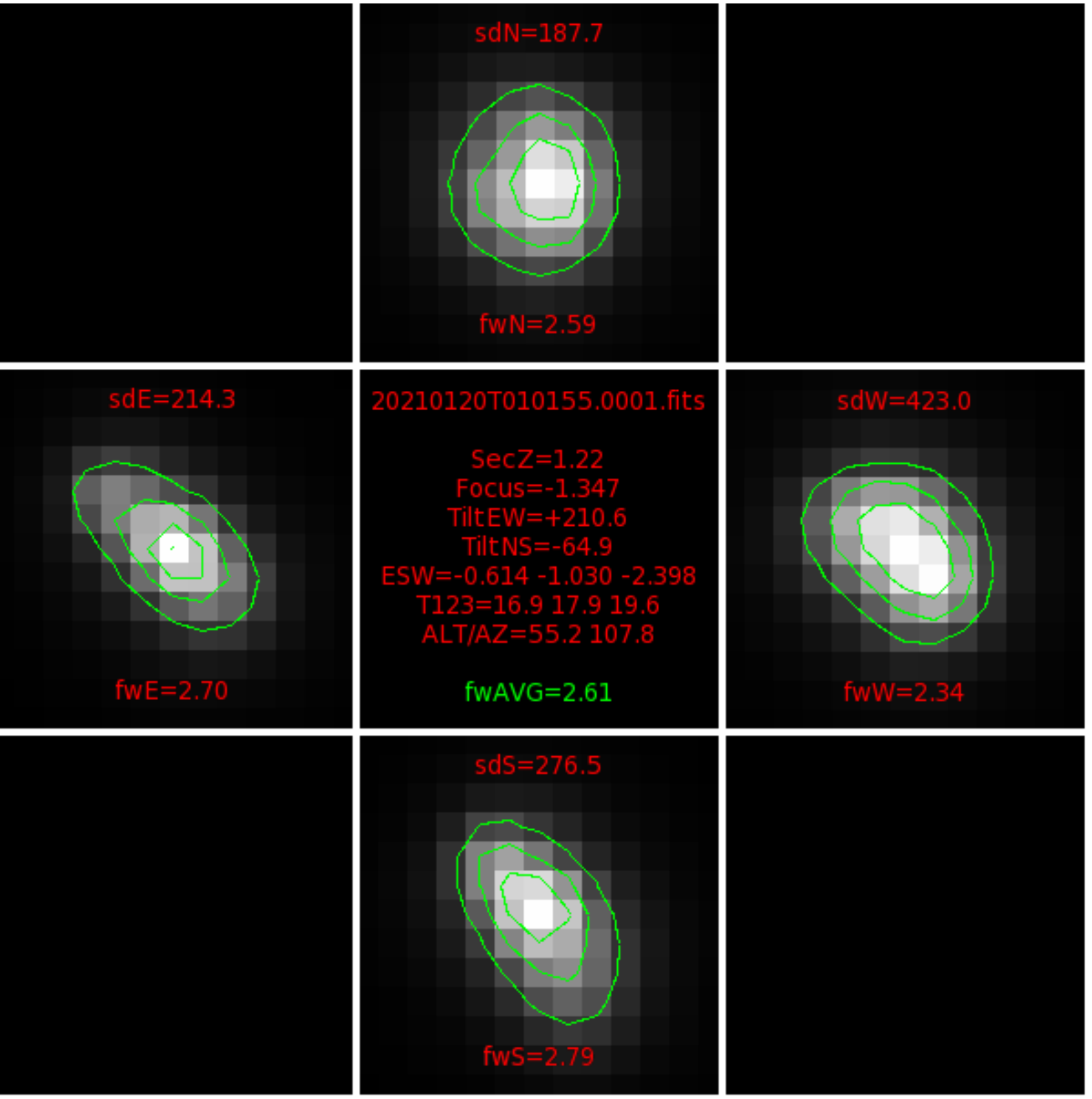
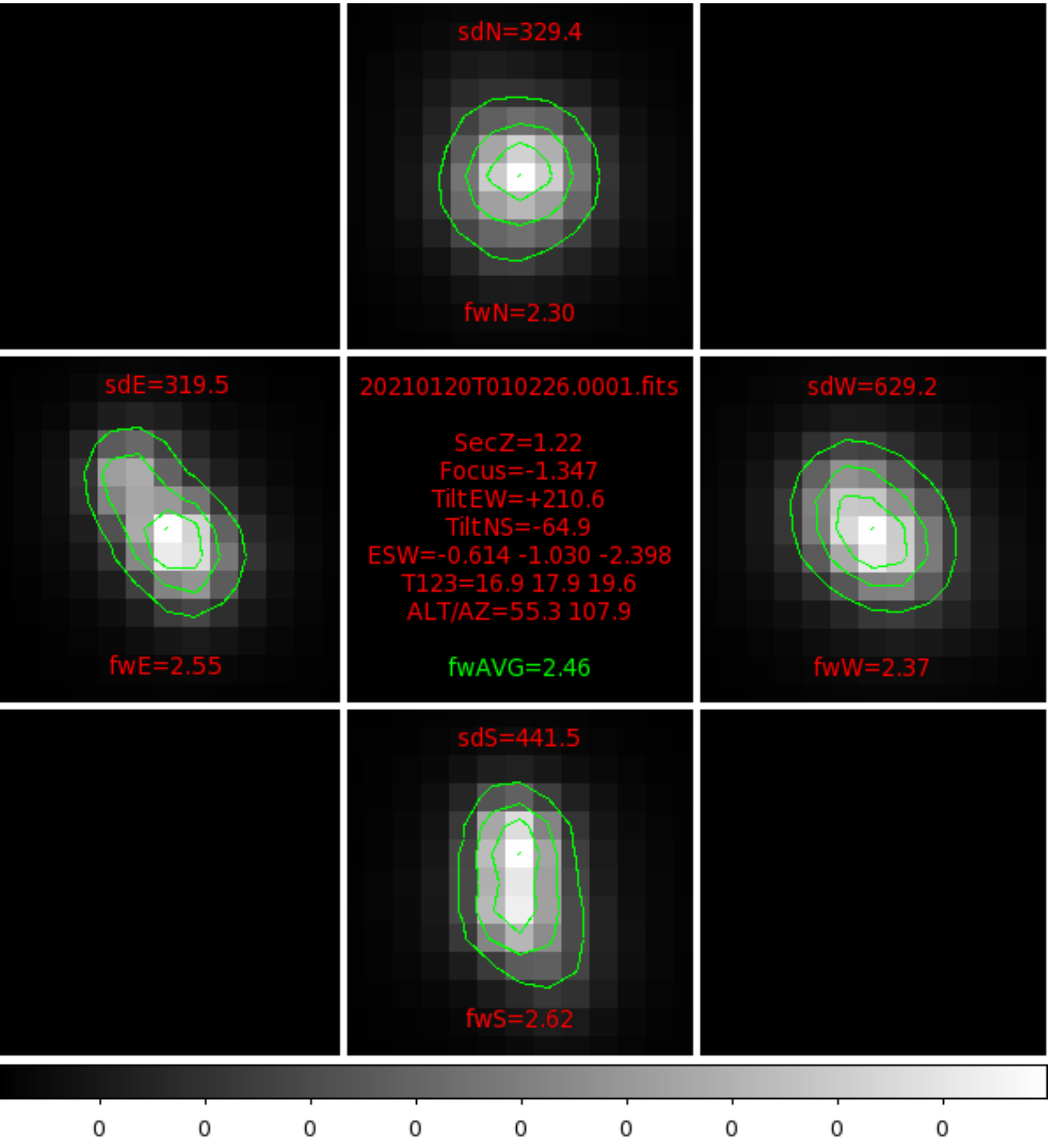

sdN=121.1
fwN=2.11
sdE=135.8
fwE=2.41
20210120T010014.0001.fits
SecZ=1.22
Focus=-1.347
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.614 -1.030 -2.398
T123=17.0 18.0 19.7
ALT/AZ=54.9 107.4
fwAVG=2.26
sdW=278.7
fwW=1.97
sdS=174.0
fwS=2.53
0 0 0 0 0 0 0 0 0


sdN=187.7
fwN=2.59
sdE=214.3
fwE=2.70
20210120T010155.0001.fits
SecZ=1.22
Focus=-1.347
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.614 -1.030 -2.398
T123=16.9 17.9 19.6
ALT/AZ=55.2 107.8
fwAVG=2.61
sdW=423.0
fwW=2.34
sdS=276.5
fwS=2.79
0 0 0 0 0 0 0 0 0


sdN=329.4
fwN=2.30
sdE=319.5
fwE=2.55
20210120T010226.0001.fits
SecZ=1.22
Focus=-1.347
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.614 -1.030 -2.398
T123=16.9 17.9 19.6
ALT/AZ=55.3 107.9
fwAVG=2.46
sdW=629.2
fwW=2.37
sdS=441.5
fwS=2.62
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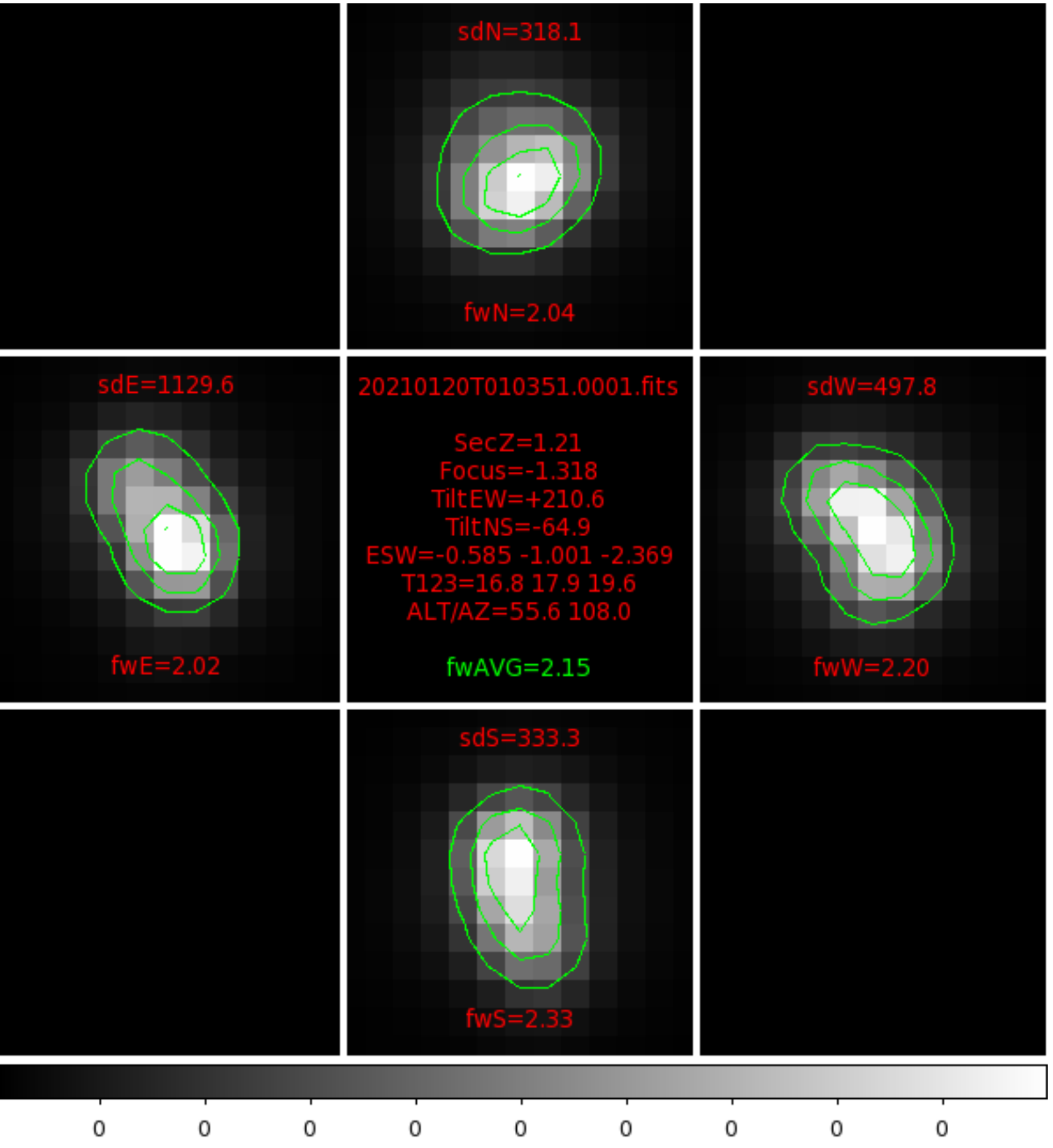
sdN=318.1
fwN=2.04
sdE=1129.6
fwE=2.02
20210120T010351.0001.fits
SecZ=1.21
Focus=-1.318
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.585 -1.001 -2.369
T123=16.8 17.9 19.6
ALT/AZ=55.6 108.0
fwAVG=2.15
sdW=497.8
fwW=2.20
sdS=333.3
fwS=2.33
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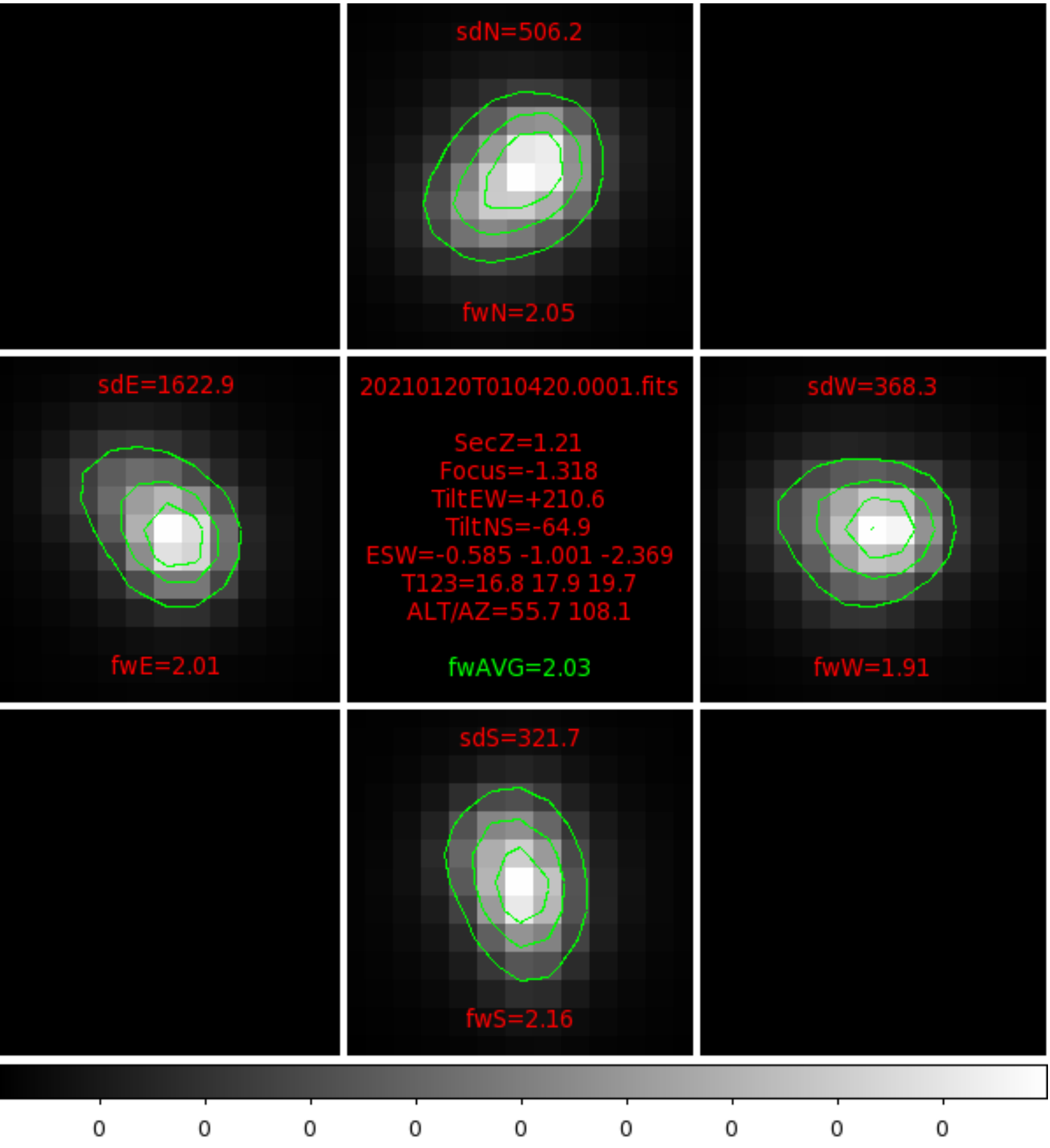
sdN=506.2
fwN=2.05
sdE=1622.9
fwE=2.01
20210120T010420.0001.fits
SecZ=1.21
Focus=-1.318
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.585 -1.001 -2.369
T123=16.8 17.9 19.7
ALT/AZ=55.7 108.1
fwAVG=2.03
sdW=368.3
fwW=1.91
sdS=321.7
fwS=2.16
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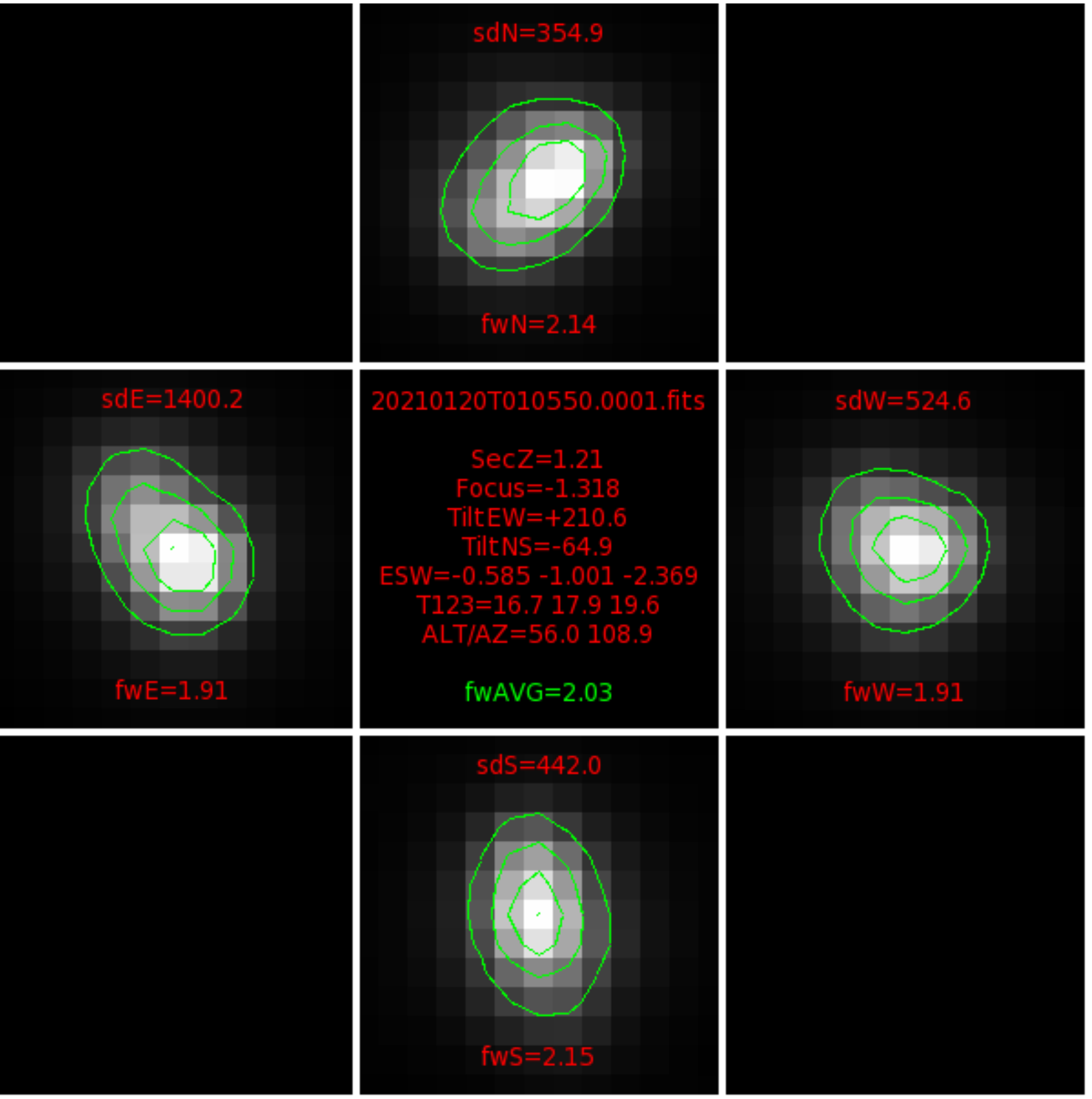
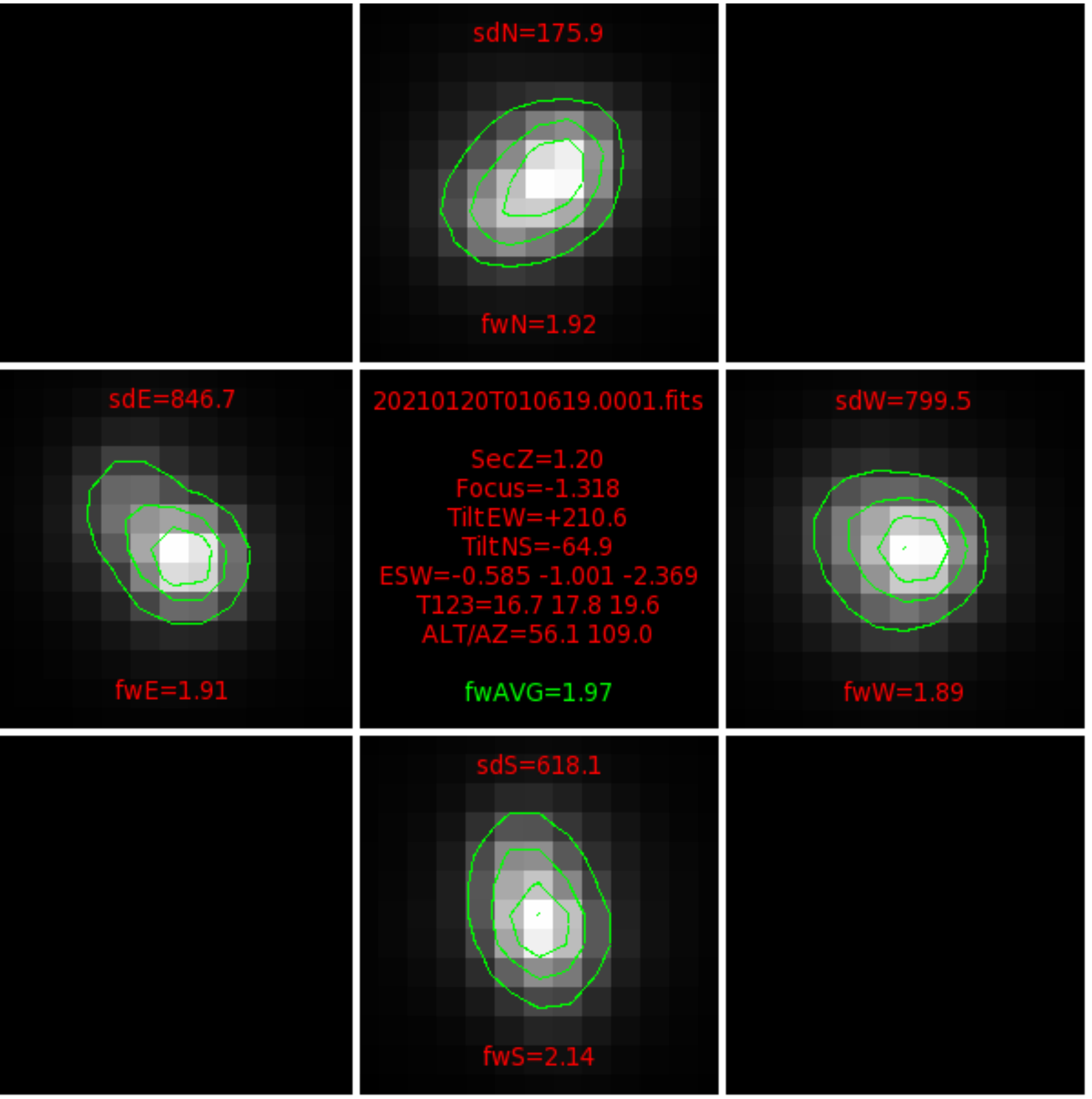
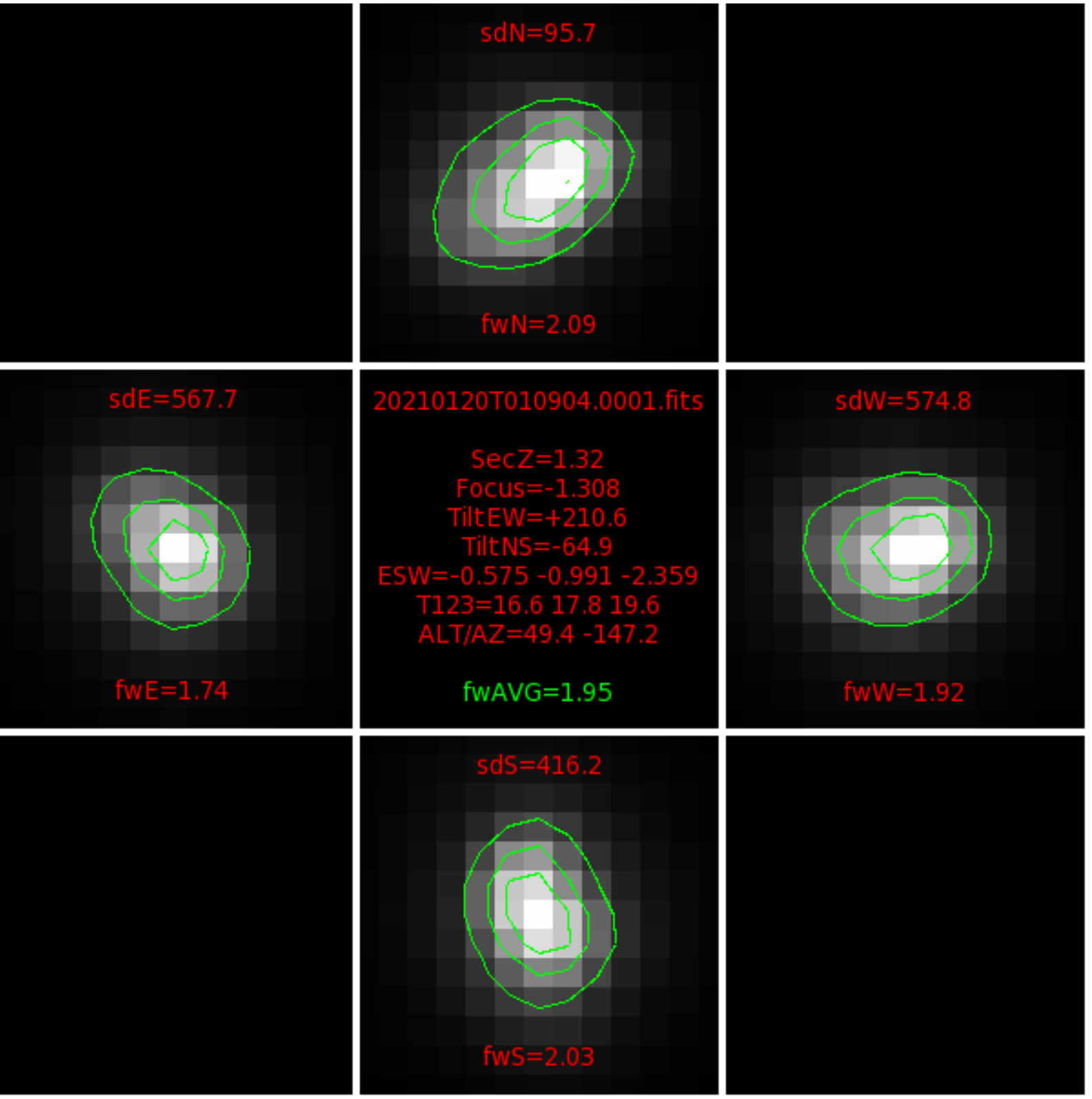
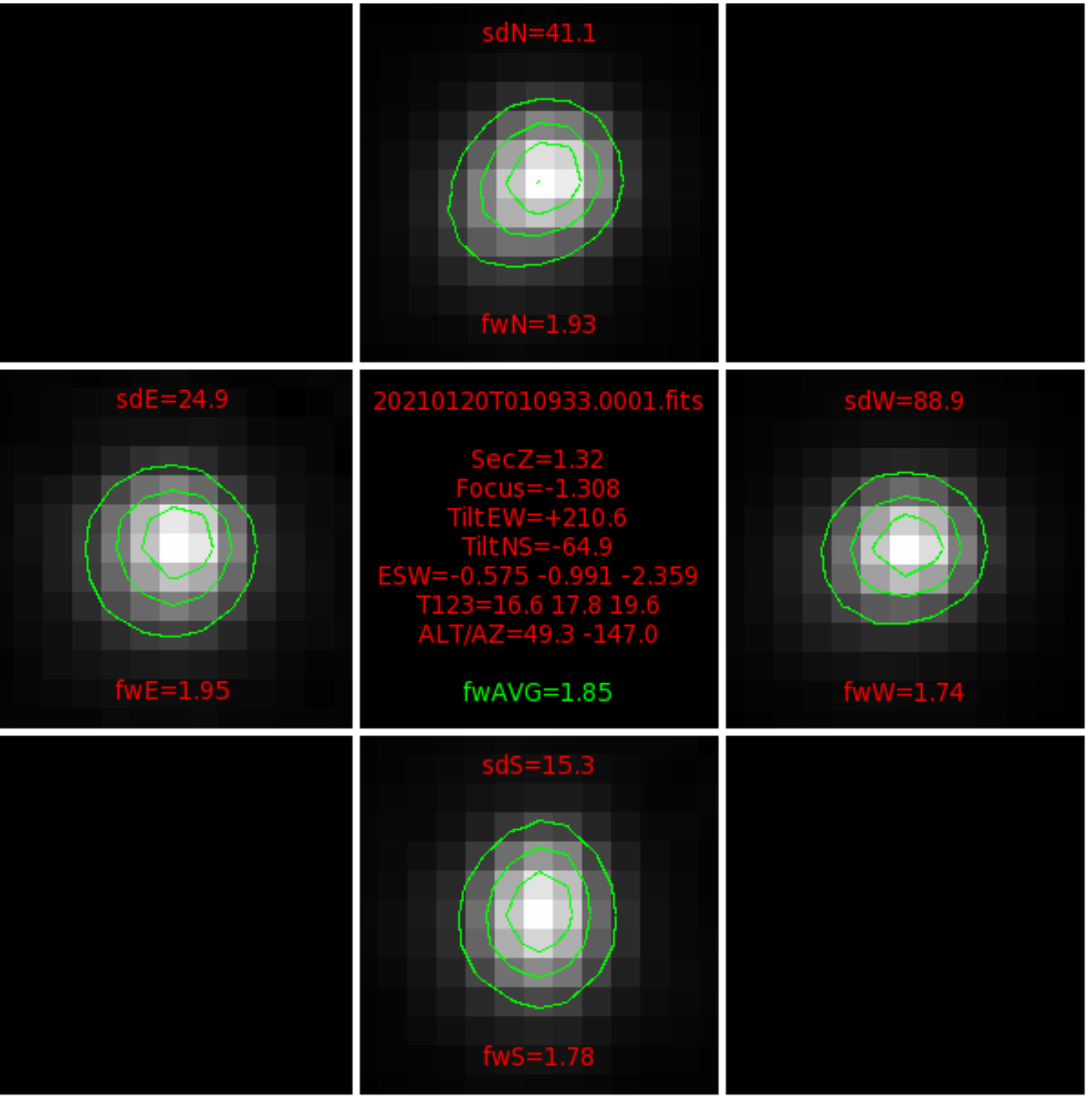

sdN=354.9
fwN=2.14
sdE=1400.2
fwE=1.91
20210120T010550.0001.fits
SecZ=1.21
Focus=-1.318
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.585 -1.001 -2.369
T123=16.7 17.9 19.6
ALT/AZ=56.0 108.9
fwAVG=2.03
sdW=524.6
fwW=1.91
sdS=442.0
fwS=2.15
0 0 0 0 0 0 0 0 0


sdN=175.9
fwN=1.92
sdE=846.7
fwE=1.91
20210120T010619.0001.fits
SecZ=1.20
Focus=-1.318
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.585 -1.001 -2.369
T123=16.7 17.8 19.6
ALT/AZ=56.1 109.0
fwAVG=1.97
sdW=799.5
fwW=1.89
sdS=618.1
fwS=2.14
0 0 0 0 0 0 0 0 0


sdN=95.7
fwN=2.09
sdE=567.7
fwE=1.74
20210120T010904.0001.fits
SecZ=1.32
Focus=-1.308
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.575 -0.991 -2.359
T123=16.6 17.8 19.6
ALT/AZ=49.4 -147.2
fwAVG=1.95
sdW=574.8
fwW=1.92
sdS=416.2
fwS=2.03
0 0 0 0 0 0 0 0 0


sdN=41.1
fwN=1.93
sdE=24.9
fwE=1.95
20210120T010933.0001.fits
SecZ=1.32
Focus=-1.308
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.575 -0.991 -2.359
T123=16.6 17.8 19.6
ALT/AZ=49.3 -147.0
fwAVG=1.85
sdW=88.9
fwW=1.74
sdS=15.3
fwS=1.78
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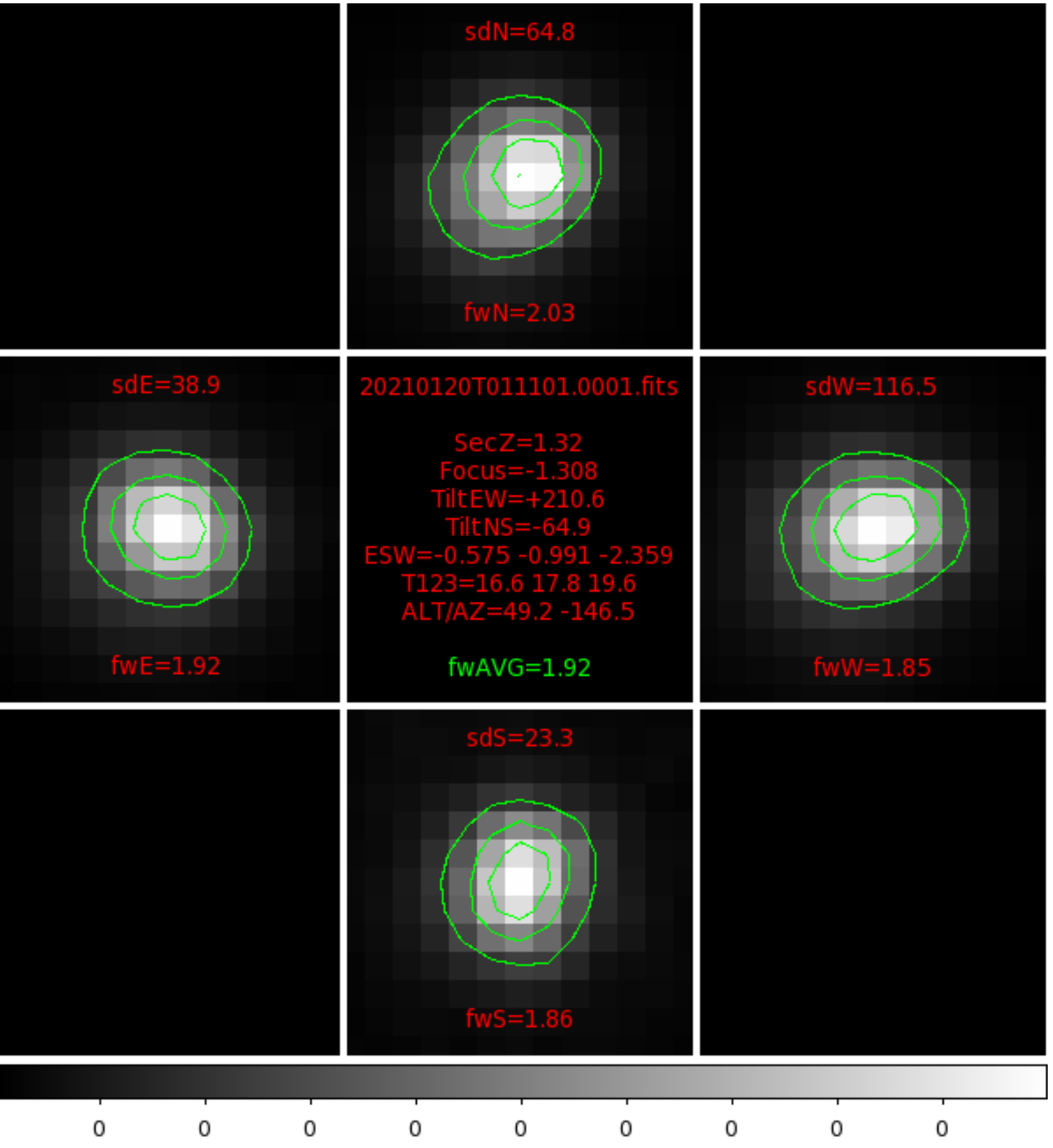
sdN=64.8
fwN=2.03
sdE=38.9
fwE=1.92
20210120T011101.0001.fits
SecZ=1.32
Focus=-1.308
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.575 -0.991 -2.359
T123=16.6 17.8 19.6
ALT/AZ=49.2 -146.5
fwAVG=1.92
sdW=116.5
fwW=1.85
sdS=23.3
fwS=1.86
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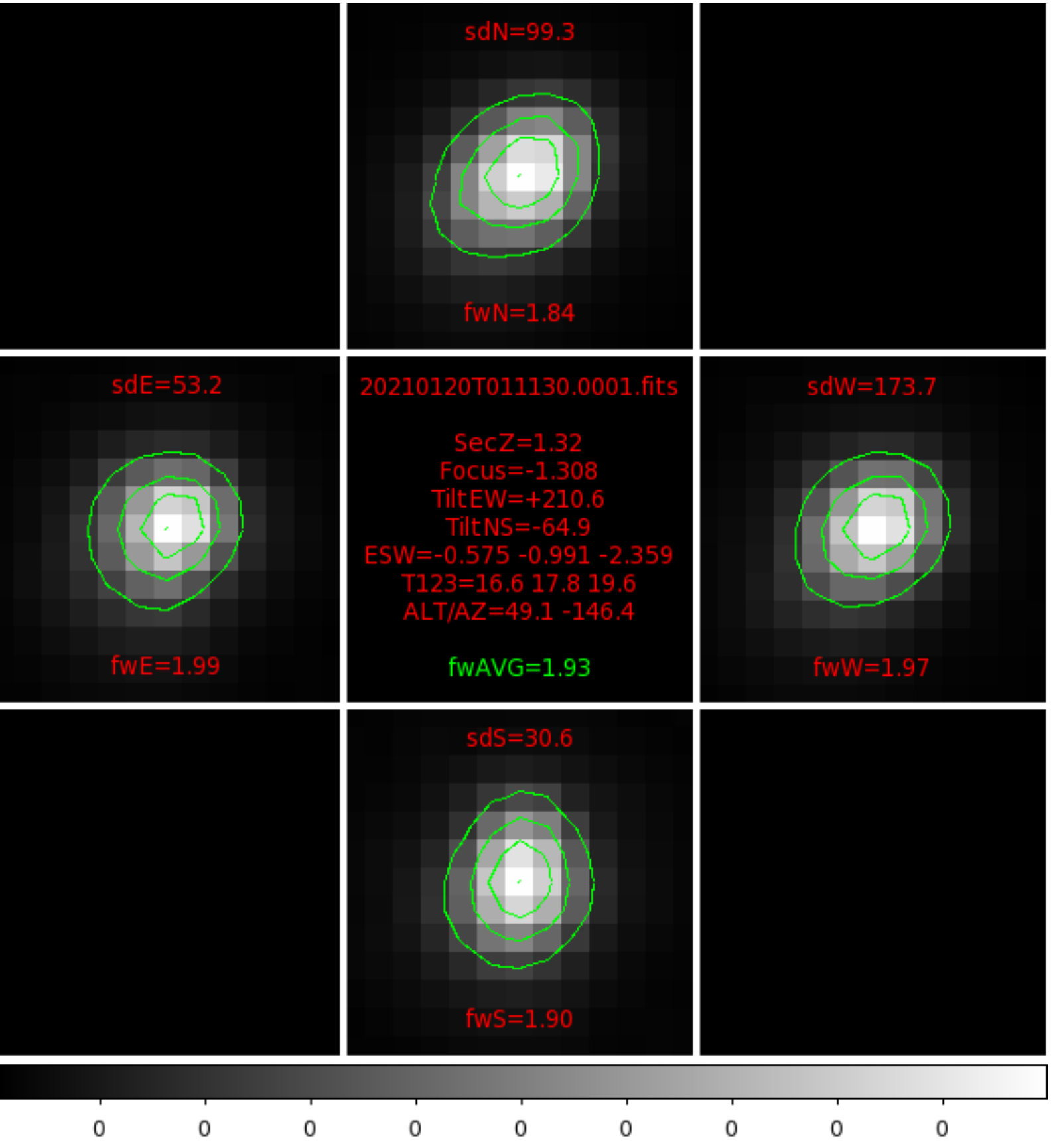
sdN=99.3
fwN=1.84
sdE=53.2
fwE=1.99
20210120T011130.0001.fits
SecZ=1.32
Focus=-1.308
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.575 -0.991 -2.359
T123=16.6 17.8 19.6
ALT/AZ=49.1 -146.4
fwAVG=1.93
sdW=173.7
fwW=1.97
sdS=30.6
fwS=1.90
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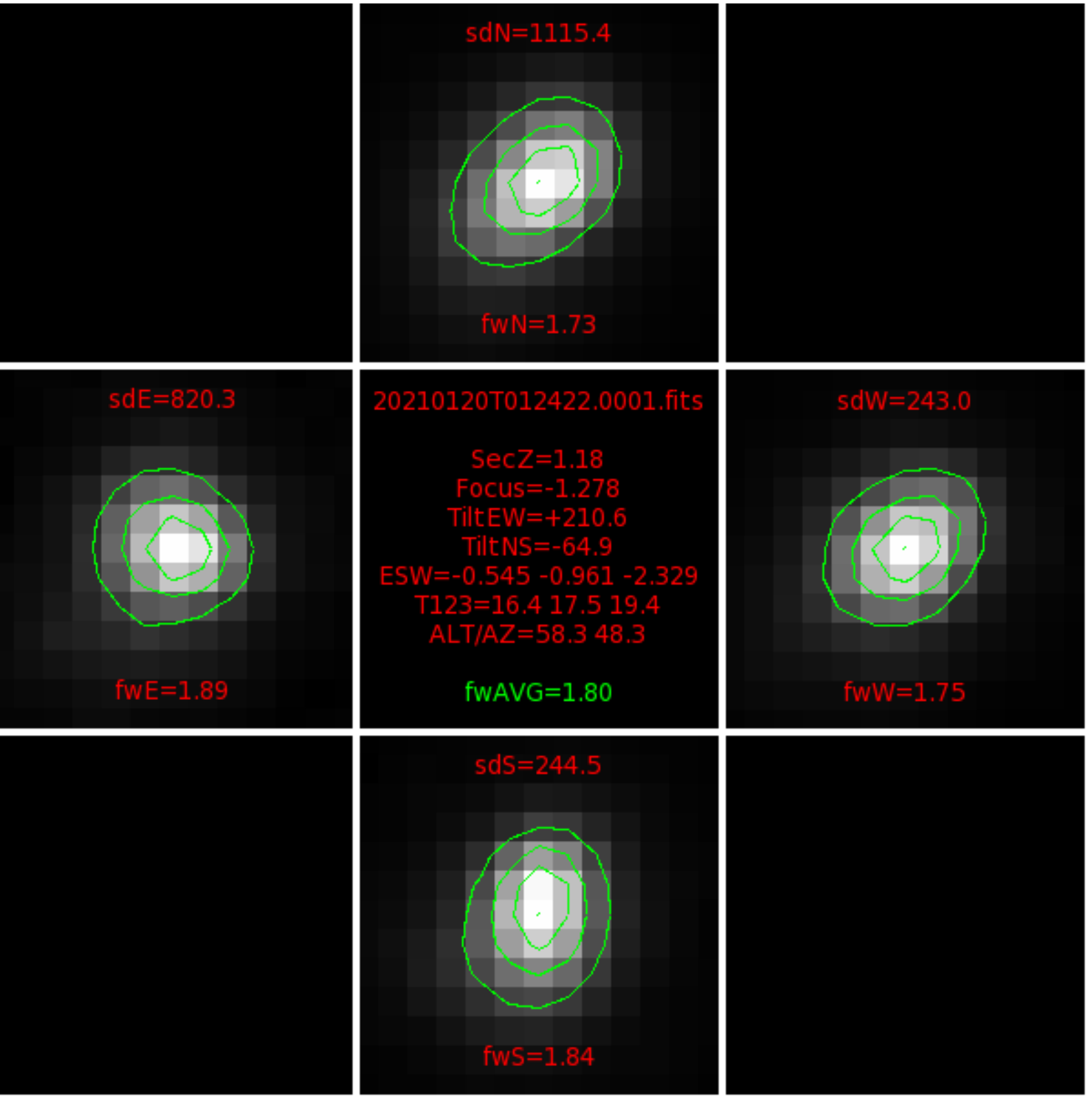
sdN=1115.4
fwN=1.73
sdE=820.3
fwE=1.89
20210120T012422.0001.fits
SecZ=1.18
Focus=-1.278
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.545 -0.961 -2.329
T123=16.4 17.5 19.4
ALT/AZ=58.3 48.3
fwAVG=1.80
sdW=243.0
fwW=1.75
sdS=244.5
fwS=1.84
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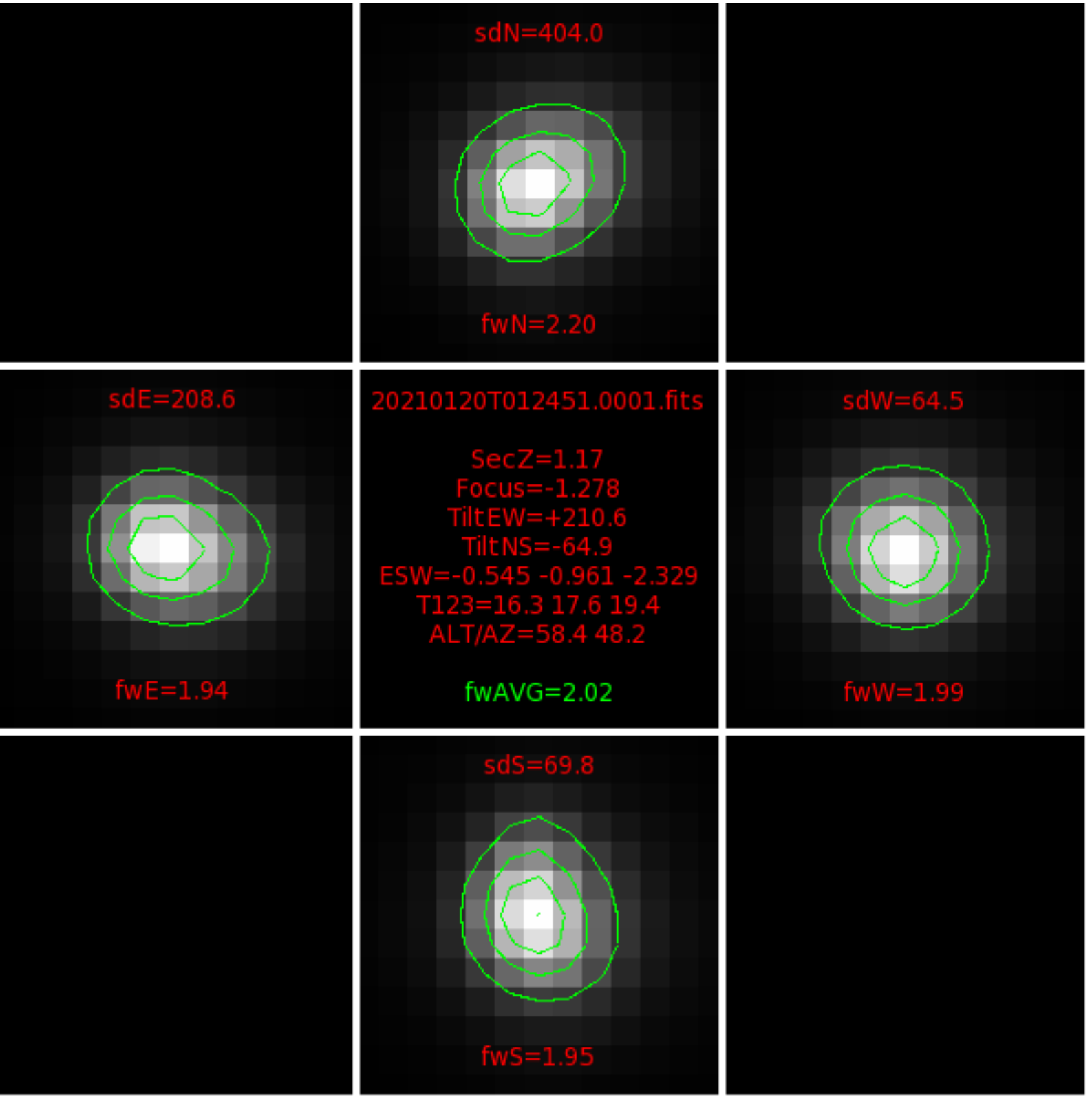
sdN=404.0
fwN=2.20
sdE=208.6
fwE=1.94
20210120T012451.0001.fits
SecZ=1.17
Focus=-1.278
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.545 -0.961 -2.329
T123=16.3 17.6 19.4
ALT/AZ=58.4 48.2
fwAVG=2.02
sdW=64.5
fwW=1.99
sdS=69.8
fwS=1.95
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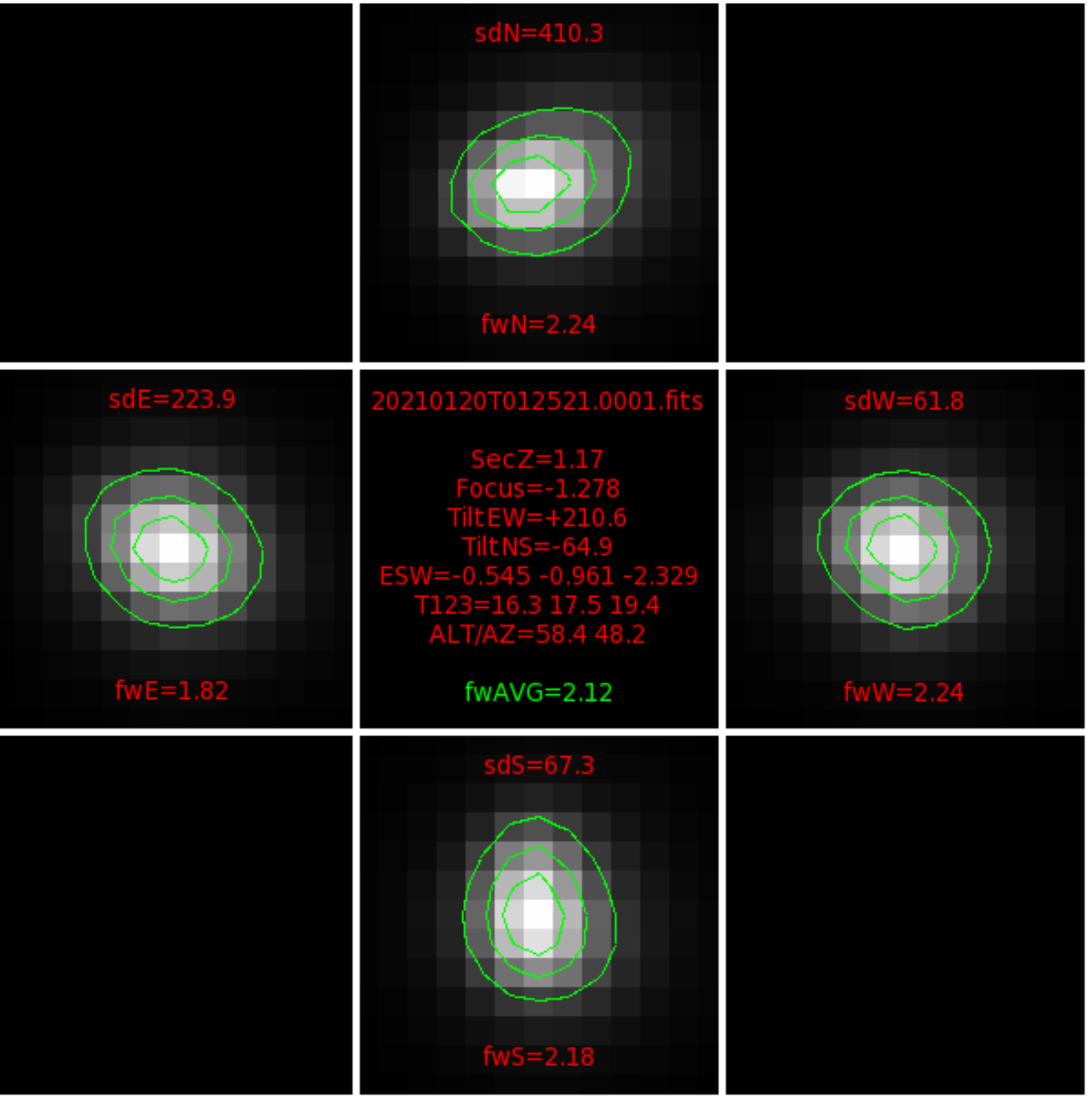
sdN=410.3
fwN=2.24
sdE=223.9
fwE=1.82
20210120T012521.0001.fits
SecZ=1.17
Focus=-1.278
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.545 -0.961 -2.329
T123=16.3 17.5 19.4
ALT/AZ=58.4 48.2
fwAVG=2.12
sdW=61.8
fwW=2.24
sdS=67.3
fwS=2.18
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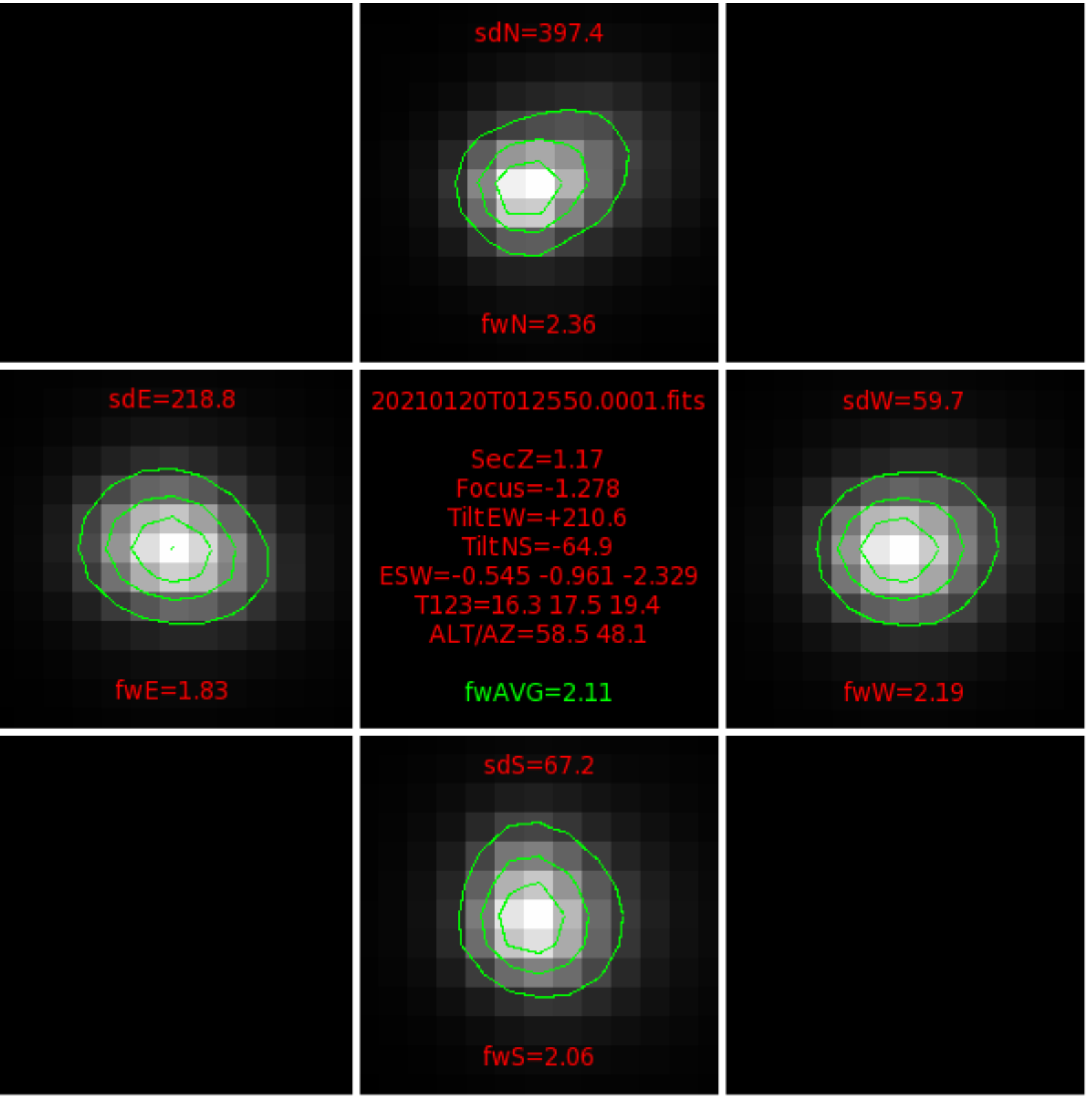
sdN=397.4
fwN=2.36
sdE=218.8
fwE=1.83
20210120T012550.0001.fits
SecZ=1.17
Focus=-1.278
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.545 -0.961 -2.329
T123=16.3 17.5 19.4
ALT/AZ=58.5 48.1
fwAVG=2.11
sdW=59.7
fwW=2.19
sdS=67.2
fwS=2.06
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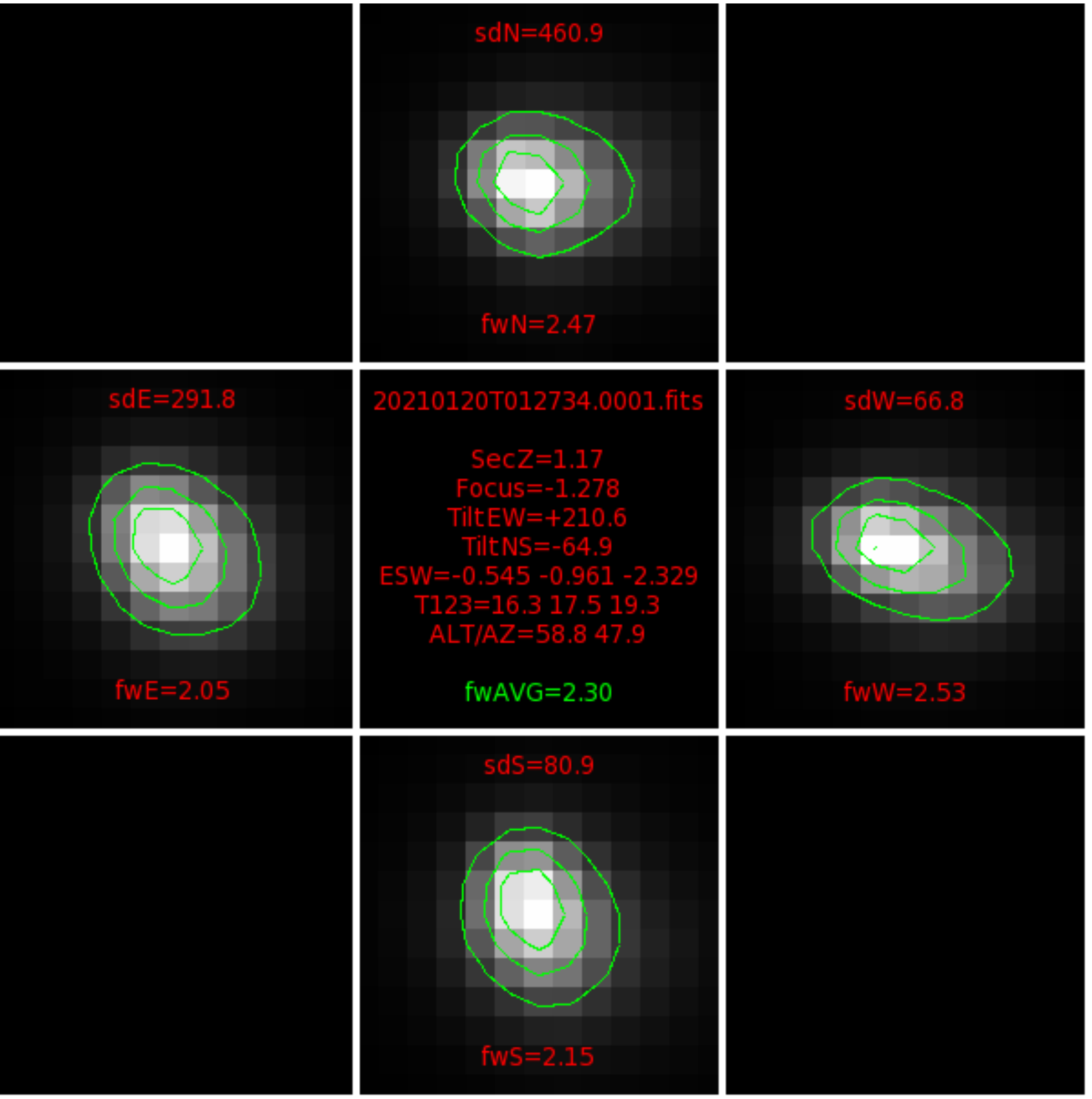
sdN=460.9
fwN=2.47
sdE=291.8
fwE=2.05
20210120T012734.0001.fits
SecZ=1.17
Focus=-1.278
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.545 -0.961 -2.329
T123=16.3 17.5 19.3
ALT/AZ=58.8 47.9
fwAVG=2.30
sdW=66.8
fwW=2.53
sdS=80.9
fwS=2.15
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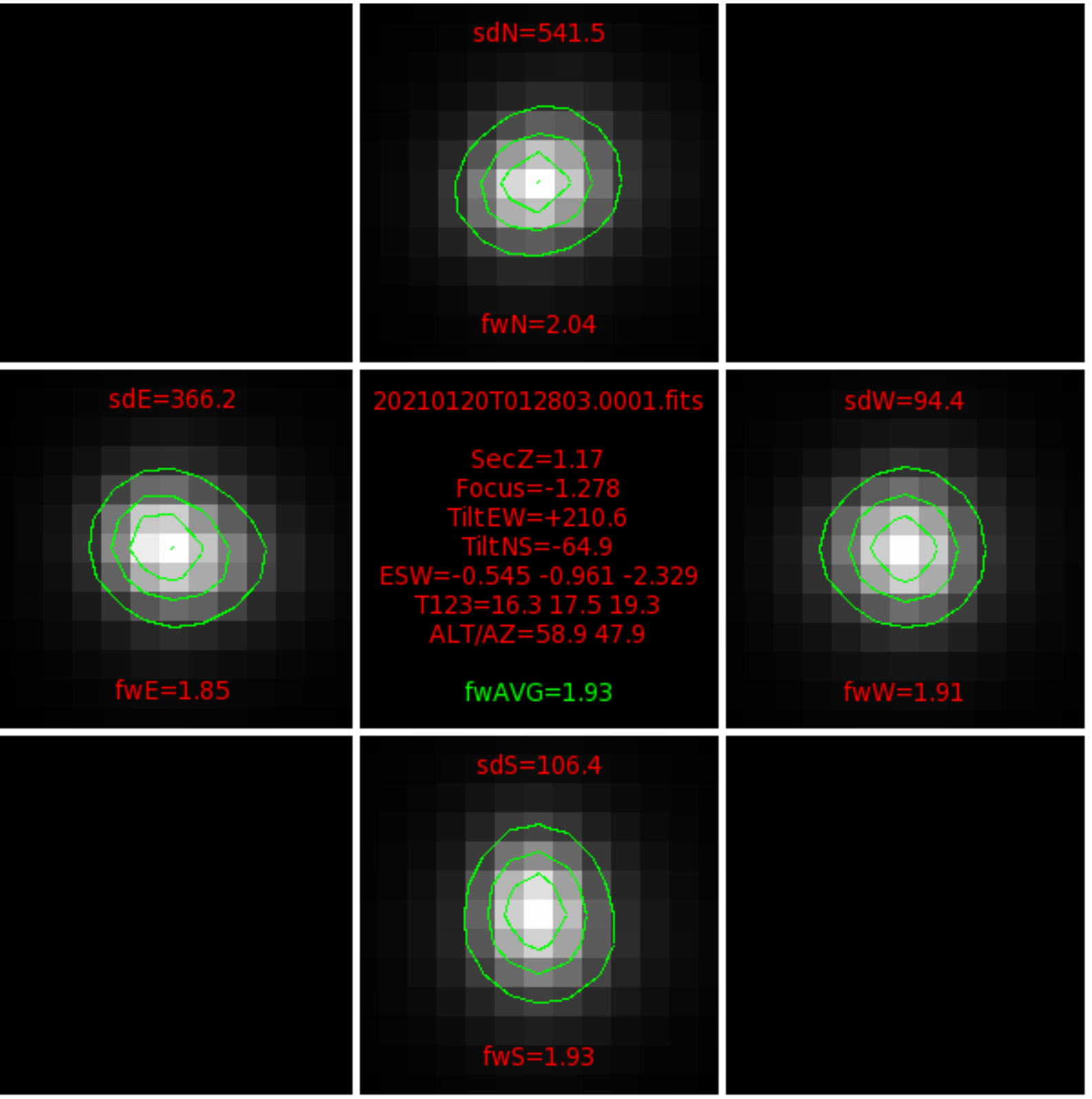
sdN=541.5
fwN=2.04
sdE=366.2
fwE=1.85
20210120T012803.0001.fits
SecZ=1.17
Focus=-1.278
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.545 -0.961 -2.329
T123=16.3 17.5 19.3
ALT/AZ=58.9 47.9
fwAVG=1.93
sdW=94.4
fwW=1.91
sdS=106.4
fwS=1.93
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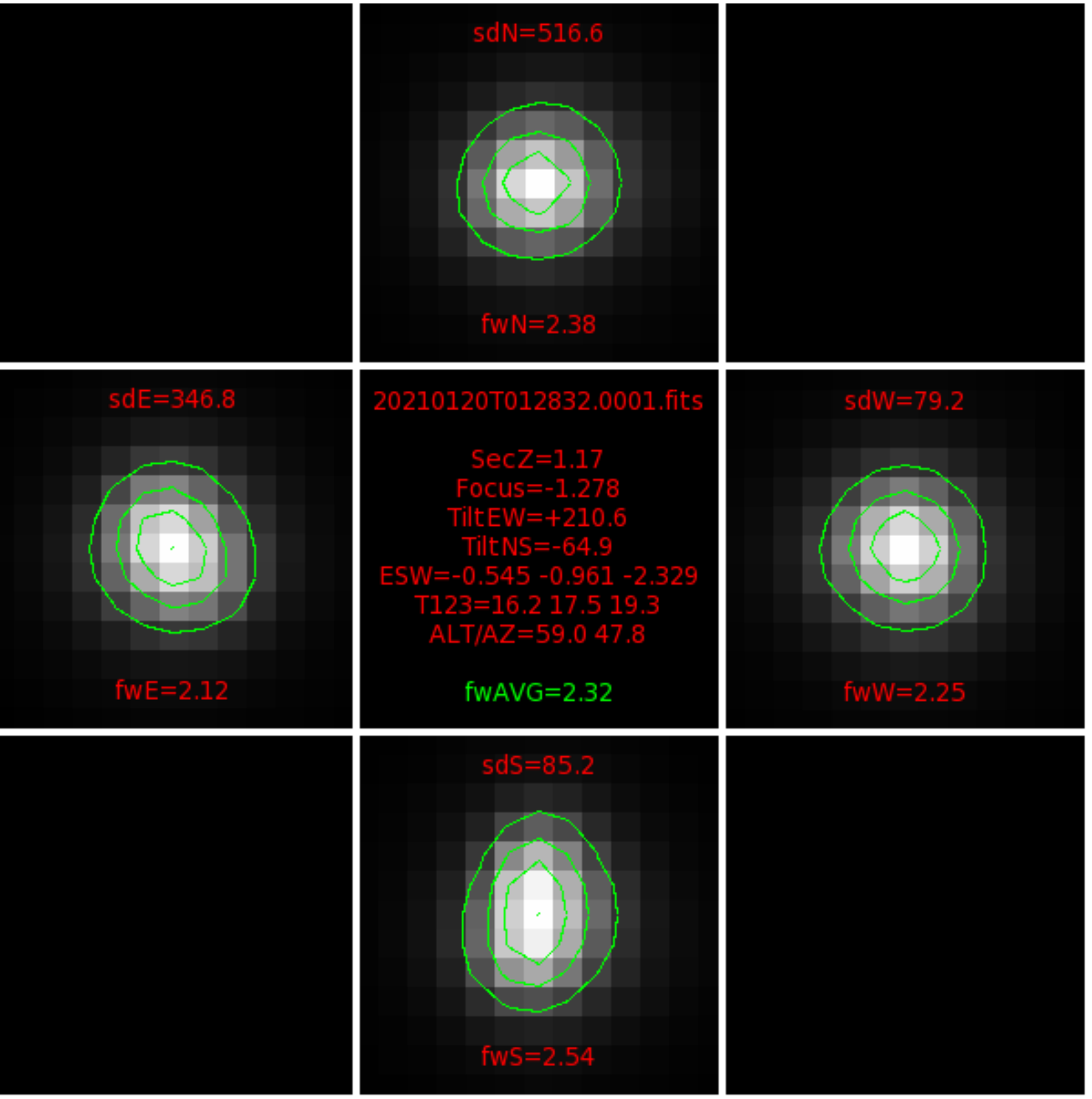
sdN=516.6
fwN=2.38
sdE=346.8
fwE=2.12
20210120T012832.0001.fits
SecZ=1.17
Focus=-1.278
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.545 -0.961 -2.329
T123=16.2 17.5 19.3
ALT/AZ=59.0 47.8
fwAVG=2.32
sdW=79.2
fwW=2.25
sdS=85.2
fwS=2.54
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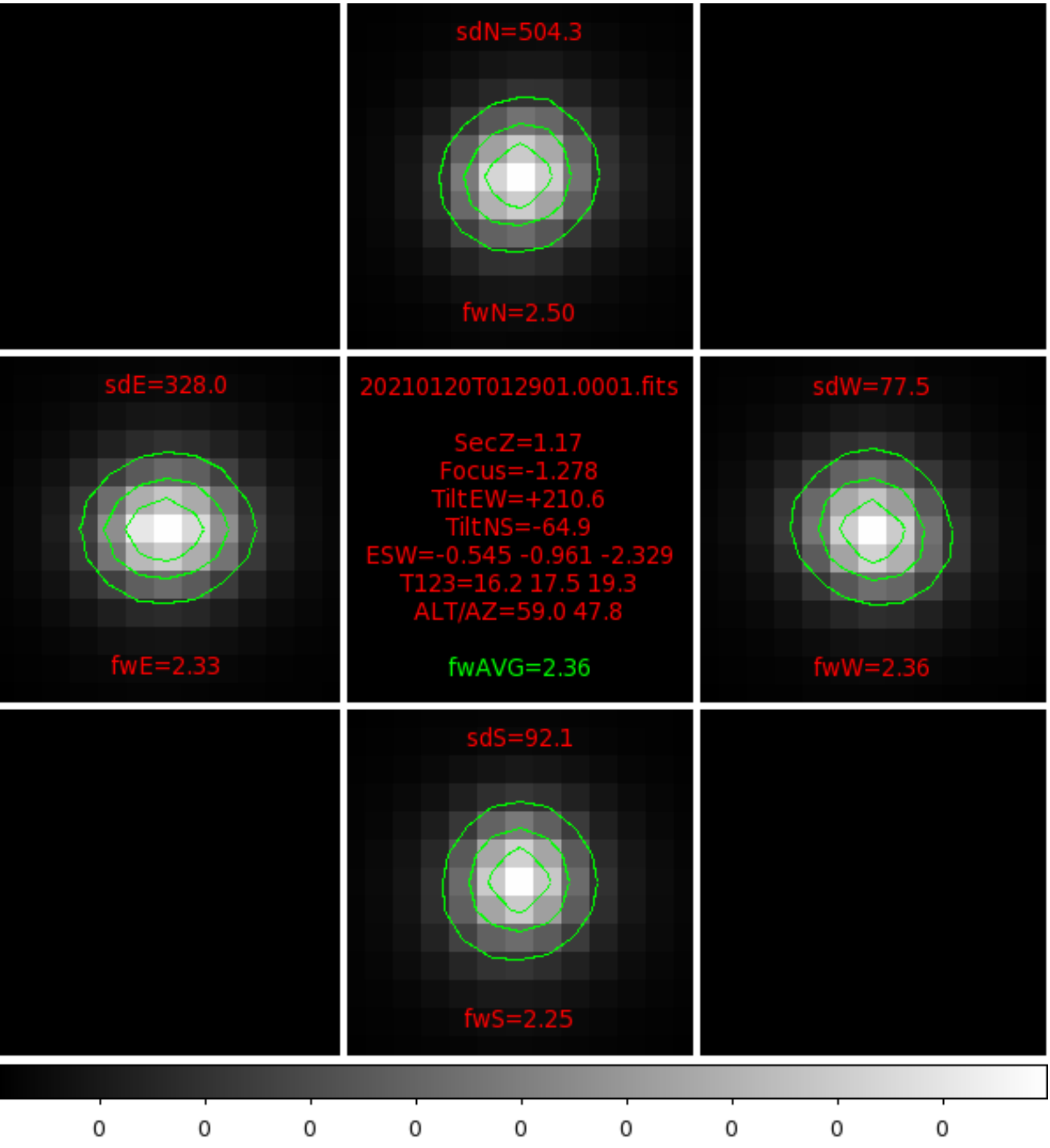
sdN=504.3
fwN=2.50
sdE=328.0
fwE=2.33
20210120T012901.0001.fits
SecZ=1.17
Focus=-1.278
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.545 -0.961 -2.329
T123=16.2 17.5 19.3
ALT/AZ=59.0 47.8
fwAVG=2.36
sdW=77.5
fwW=2.36
sdS=92.1
fwS=2.25
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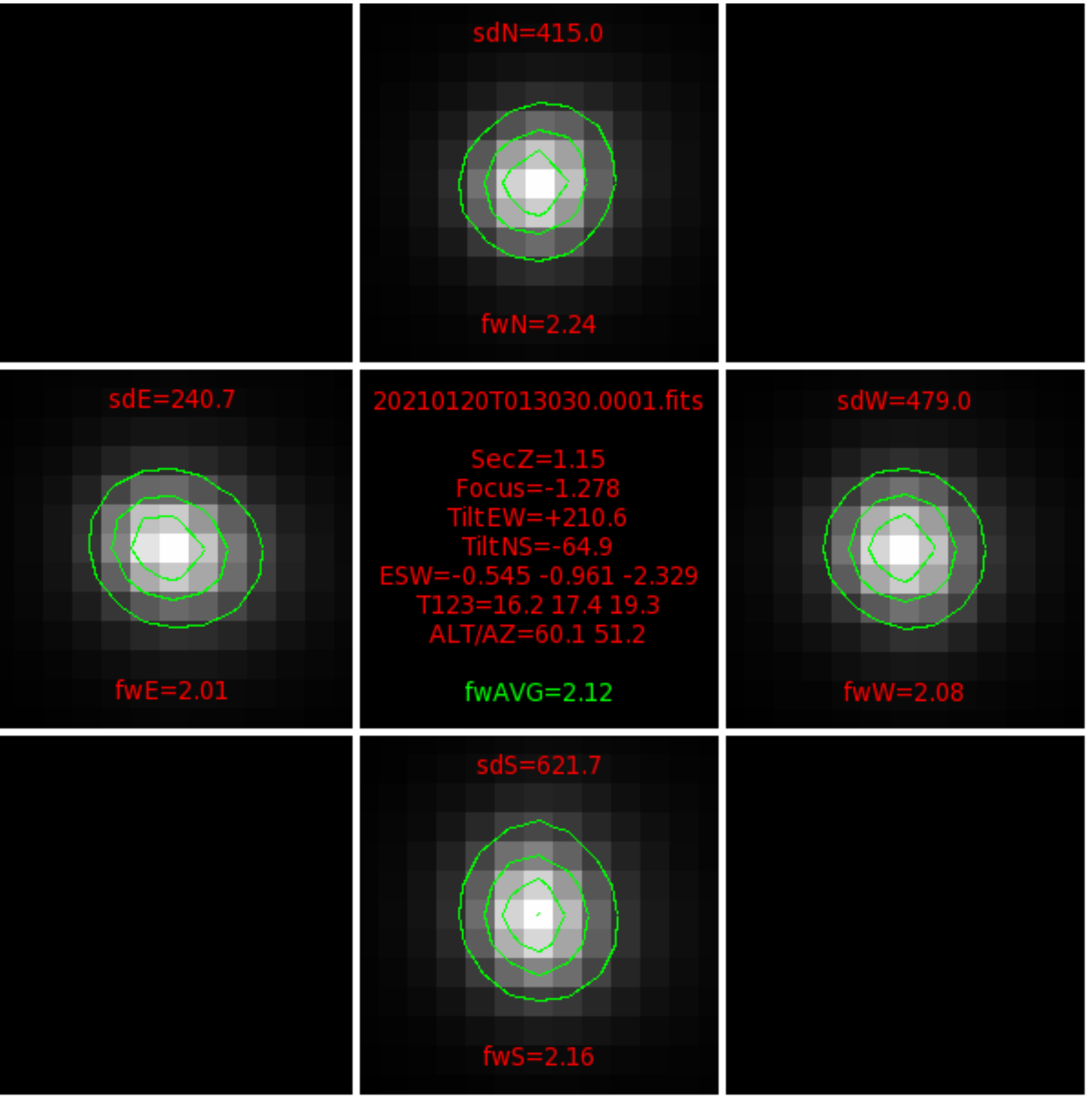
sdN=415.0
fwN=2.24
sdE=240.7
fwE=2.01
20210120T013030.0001.fits
SecZ=1.15
Focus=-1.278
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.545 -0.961 -2.329
T123=16.2 17.4 19.3
ALT/AZ=60.1 51.2
fwAVG=2.12
sdW=479.0
fwW=2.08
sdS=621.7
fwS=2.16
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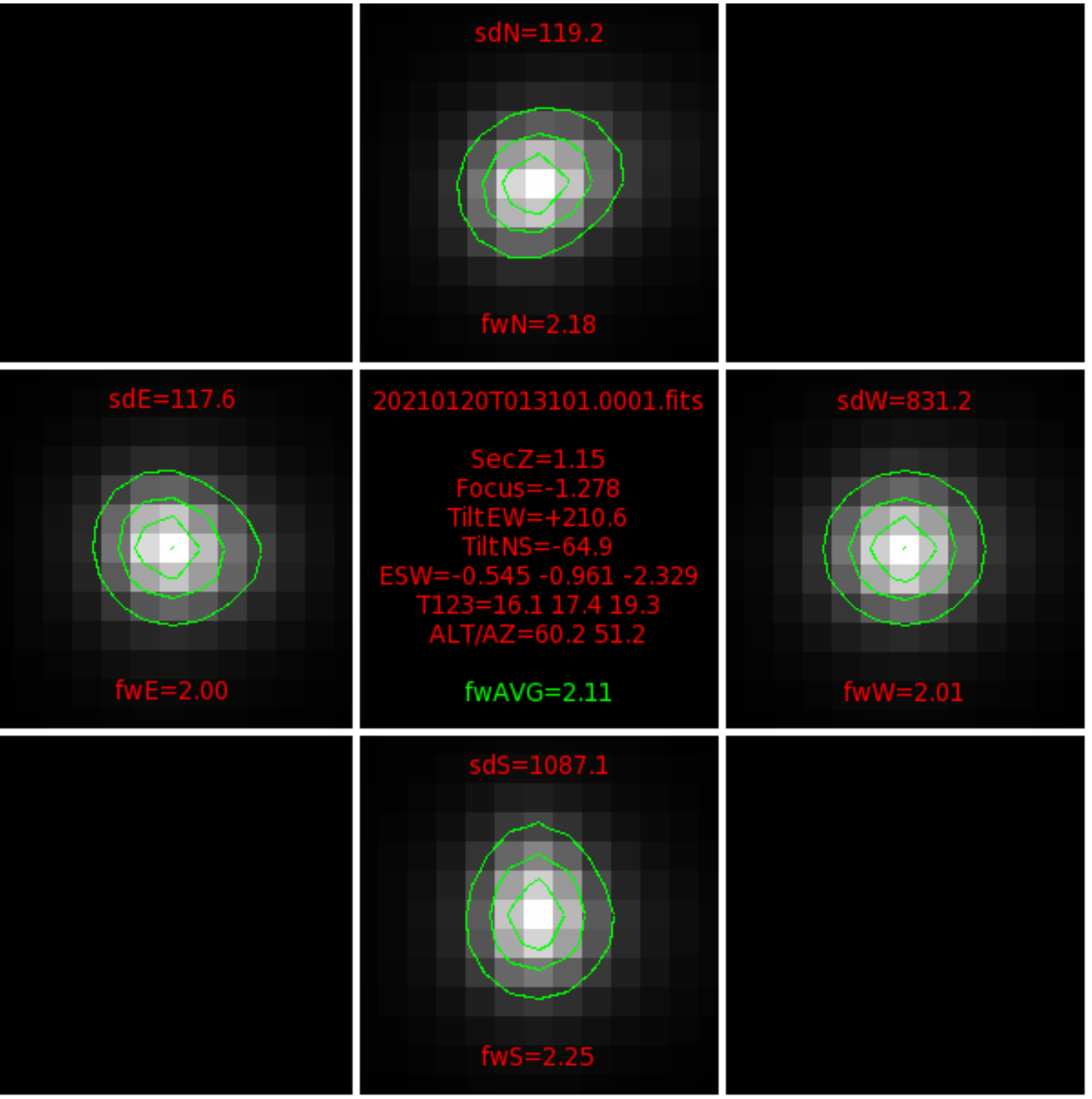
sdN=119.2
fwN=2.18
sdE=117.6
fwE=2.00
20210120T013101.0001.fits
SecZ=1.15
Focus=-1.278
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.545 -0.961 -2.329
T123=16.1 17.4 19.3
ALT/AZ=60.2 51.2
fwAVG=2.11
sdW=831.2
fwW=2.01
sdS=1087.1
fwS=2.25
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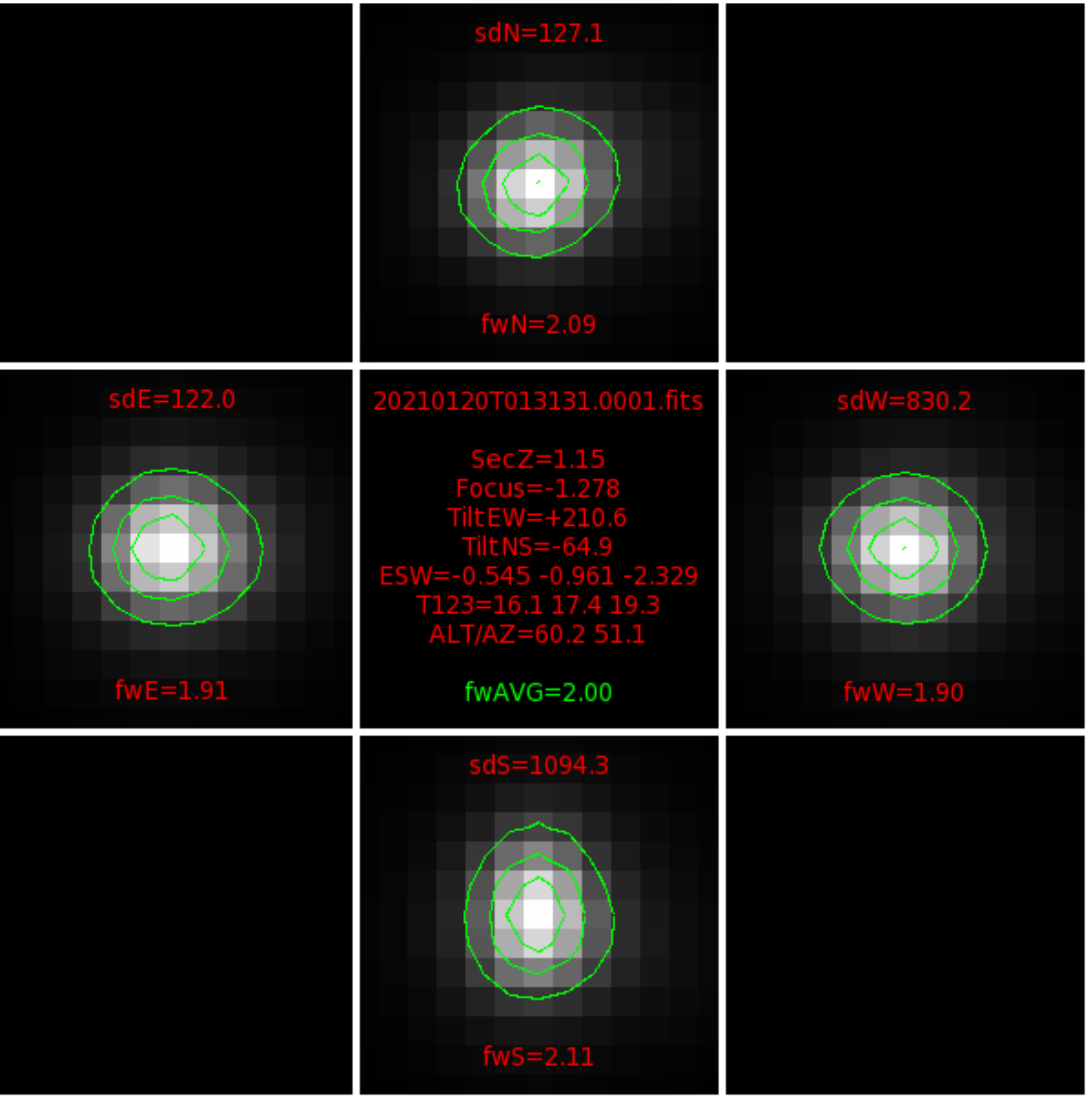
sdN=127.1
fwN=2.09
sdE=122.0
fwE=1.91
20210120T013131.0001.fits
SecZ=1.15
Focus=-1.278
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.545 -0.961 -2.329
T123=16.1 17.4 19.3
ALT/AZ=60.2 51.1
fwAVG=2.00
sdW=830.2
fwW=1.90
sdS=1094.3
fwS=2.11
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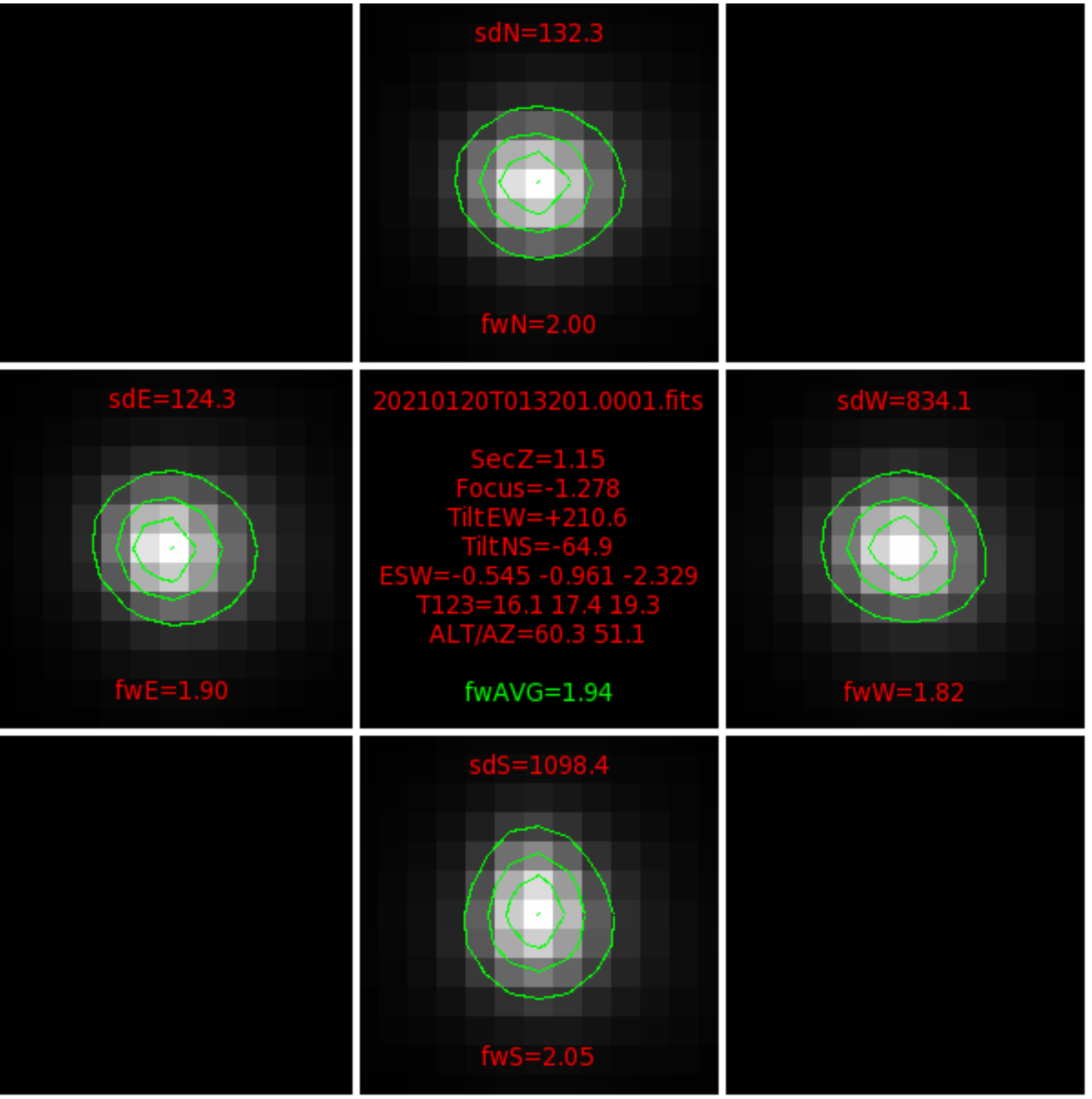
sdN=132.3
fwN=2.00
sdE=124.3
fwE=1.90
20210120T013201.0001.fits
SecZ=1.15
Focus=-1.278
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.545 -0.961 -2.329
T123=16.1 17.4 19.3
ALT/AZ=60.3 51.1
fwAVG=1.94
sdW=834.1
fwW=1.82
sdS=1098.4
fwS=2.05
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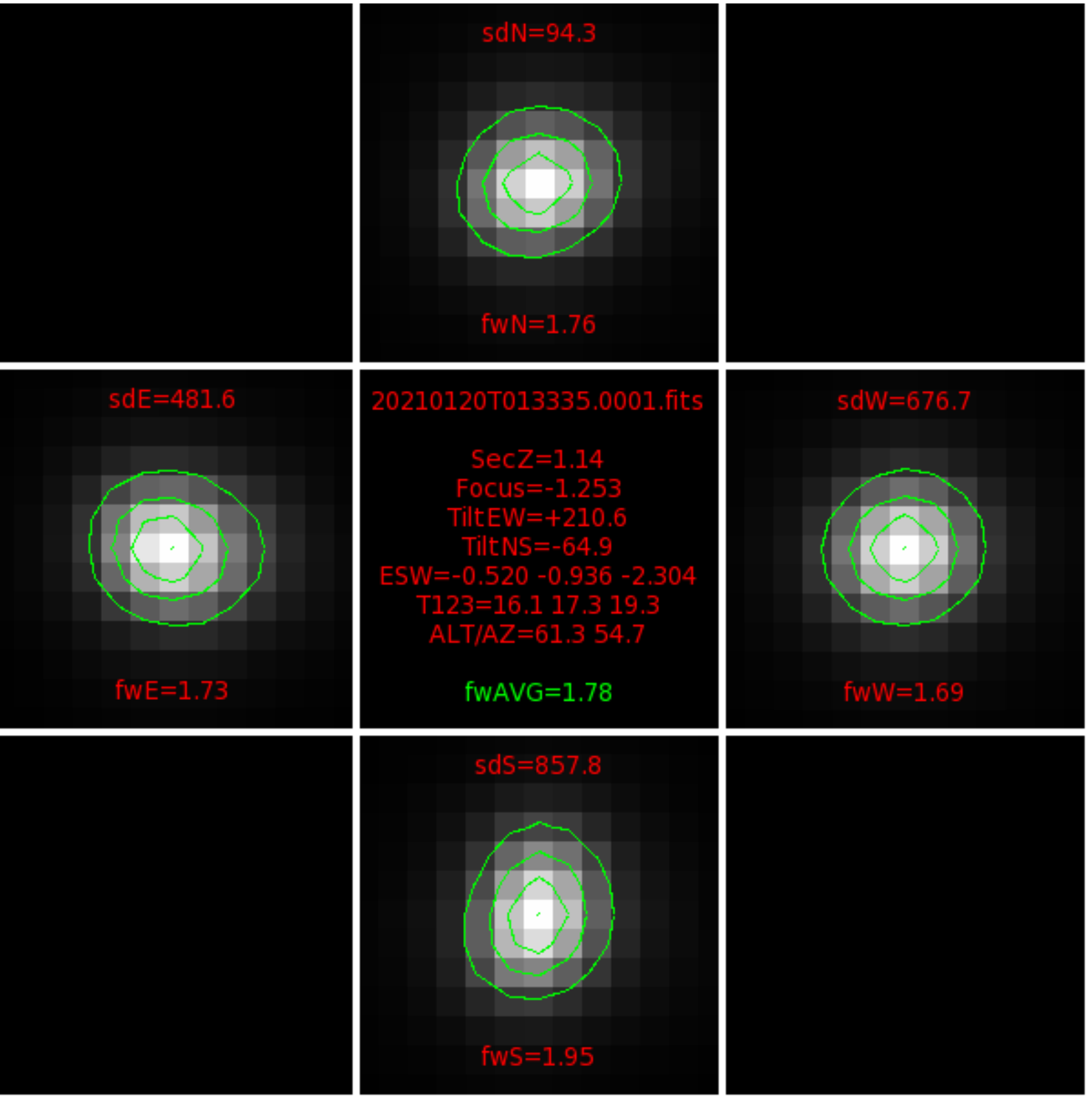
sdN=94.3
fwN=1.76
sdE=481.6
fwE=1.73
20210120T013335.0001.fits
SecZ=1.14
Focus=-1.253
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.520 -0.936 -2.304
T123=16.1 17.3 19.3
ALT/AZ=61.3 54.7
fwAVG=1.78
sdW=676.7
fwW=1.69
sdS=857.8
fwS=1.95
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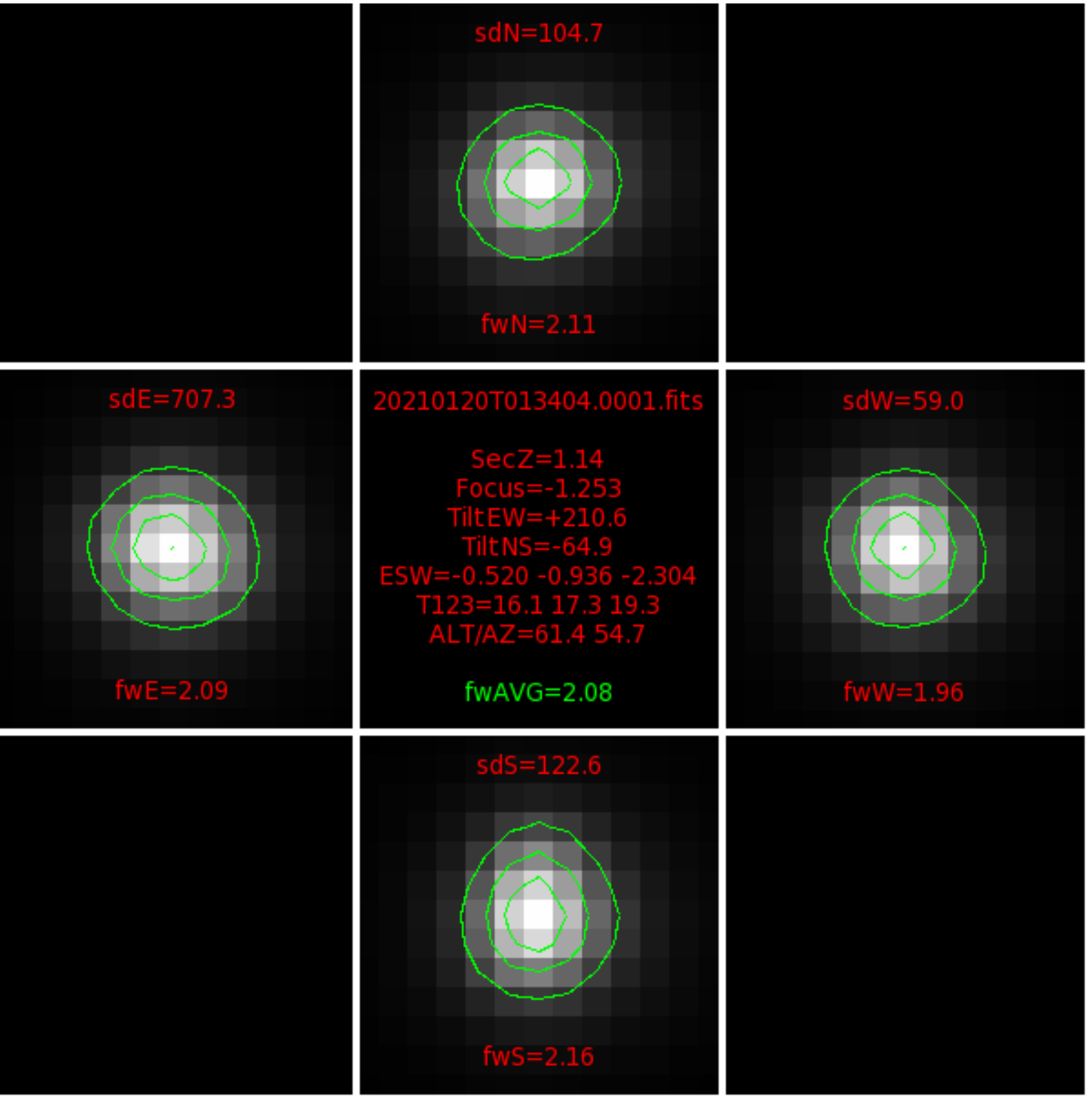
sdN=104.7
fwN=2.11
sdE=707.3
fwE=2.09
20210120T013404.0001.fits
SecZ=1.14
Focus=-1.253
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.520 -0.936 -2.304
T123=16.1 17.3 19.3
ALT/AZ=61.4 54.7
fwAVG=2.08
sdW=59.0
fwW=1.96
sdS=122.6
fwS=2.16
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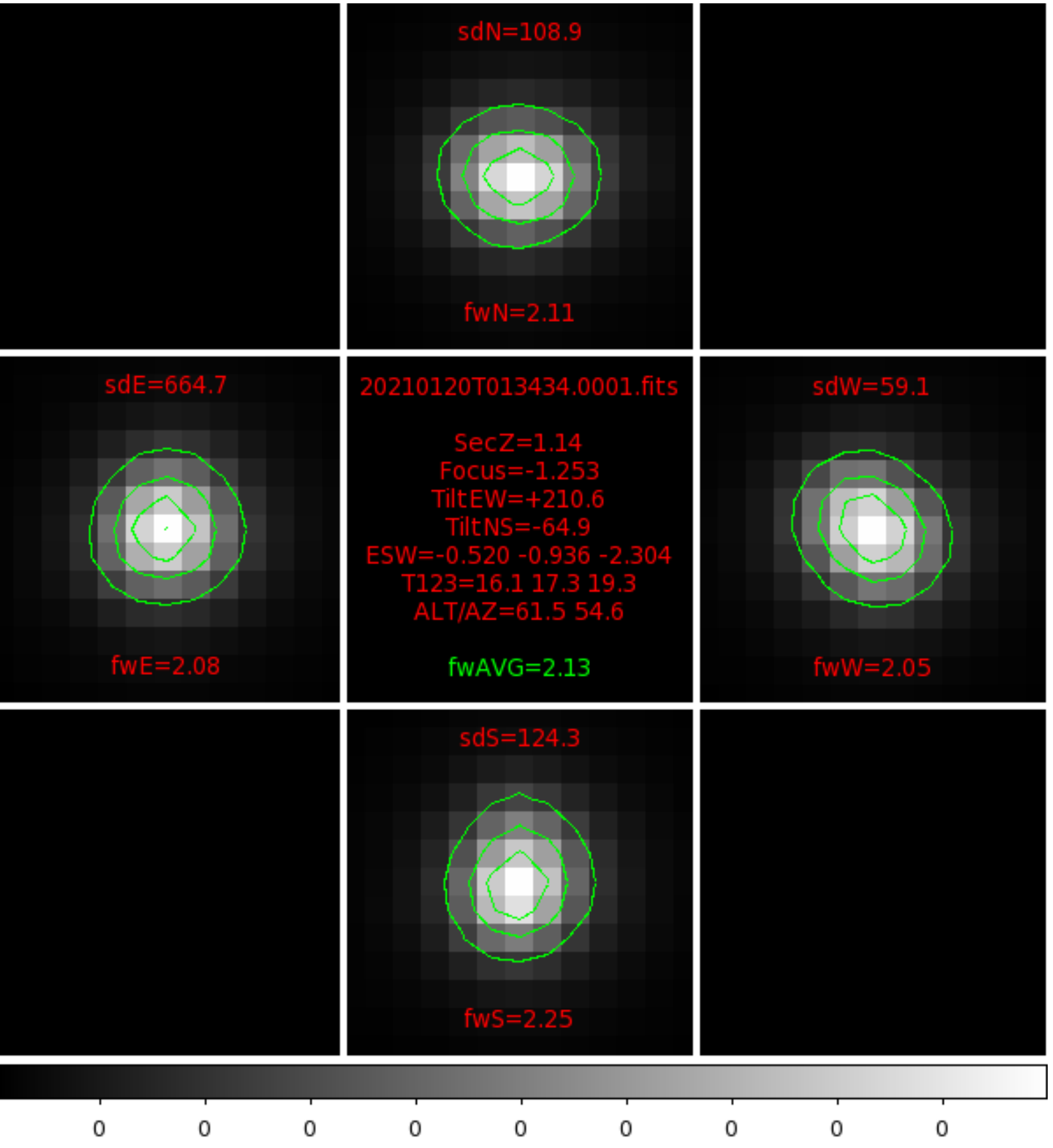
sdN=108.9
fwN=2.11
sdE=664.7
fwE=2.08
20210120T013434.0001.fits
SecZ=1.14
Focus=-1.253
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.520 -0.936 -2.304
T123=16.1 17.3 19.3
ALT/AZ=61.5 54.6
fwAVG=2.13
sdW=59.1
fwW=2.05
sdS=124.3
fwS=2.25
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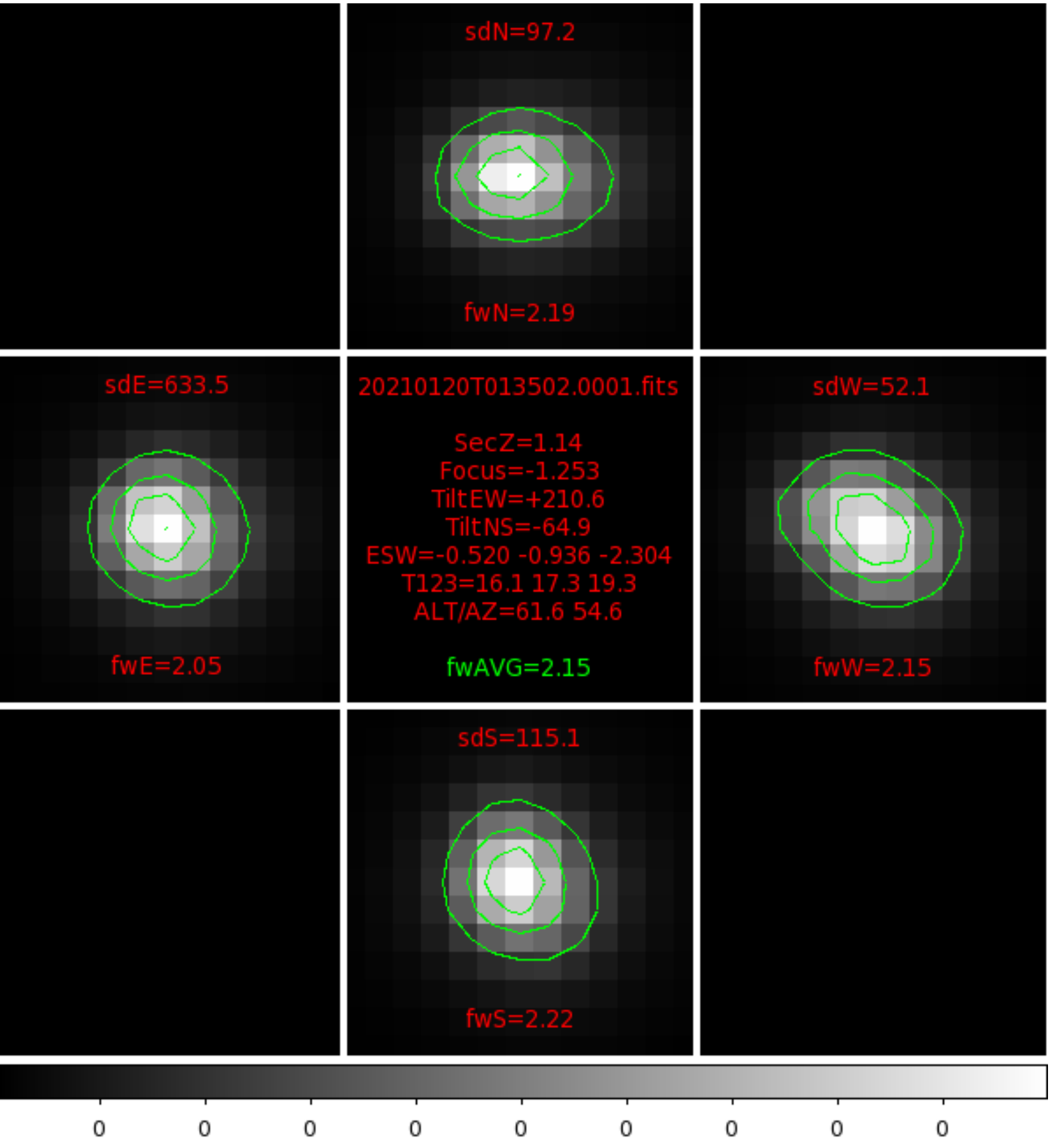
sdN=97.2
fwN=2.19
sdE=633.5
fwE=2.05
20210120T013502.0001.fits
SecZ=1.14
Focus=-1.253
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.520 -0.936 -2.304
T123=16.1 17.3 19.3
ALT/AZ=61.6 54.6
fwAVG=2.15
sdW=52.1
fwW=2.15
sdS=115.1
fwS=2.22
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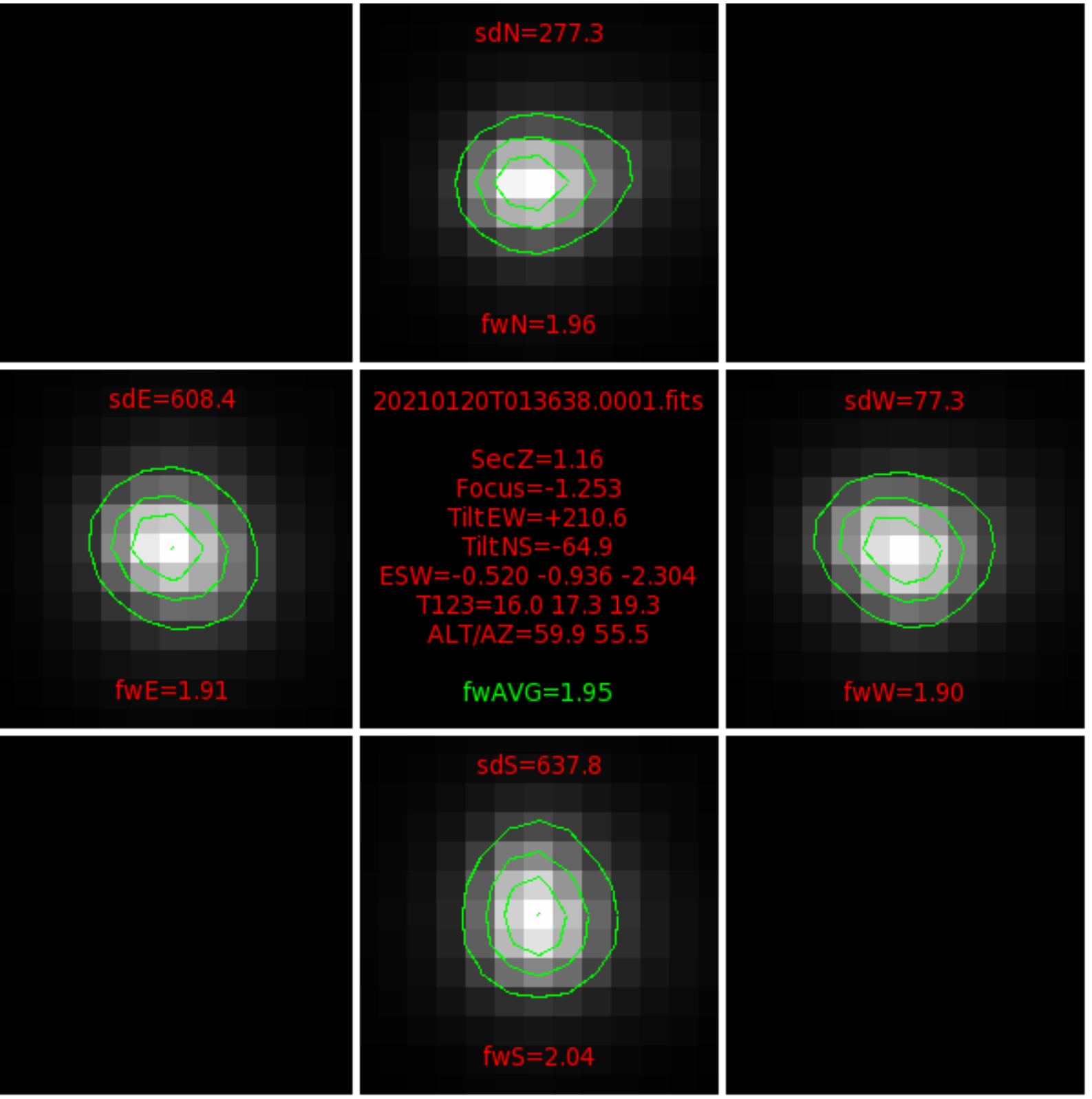
sdN=277.3
fwN=1.96
sdE=608.4
fwE=1.91
20210120T013638.0001.fits
SecZ=1.16
Focus=-1.253
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.520 -0.936 -2.304
T123=16.0 17.3 19.3
ALT/AZ=59.9 55.5
fwAVG=1.95
sdW=77.3
fwW=1.90
sdS=637.8
fwS=2.04
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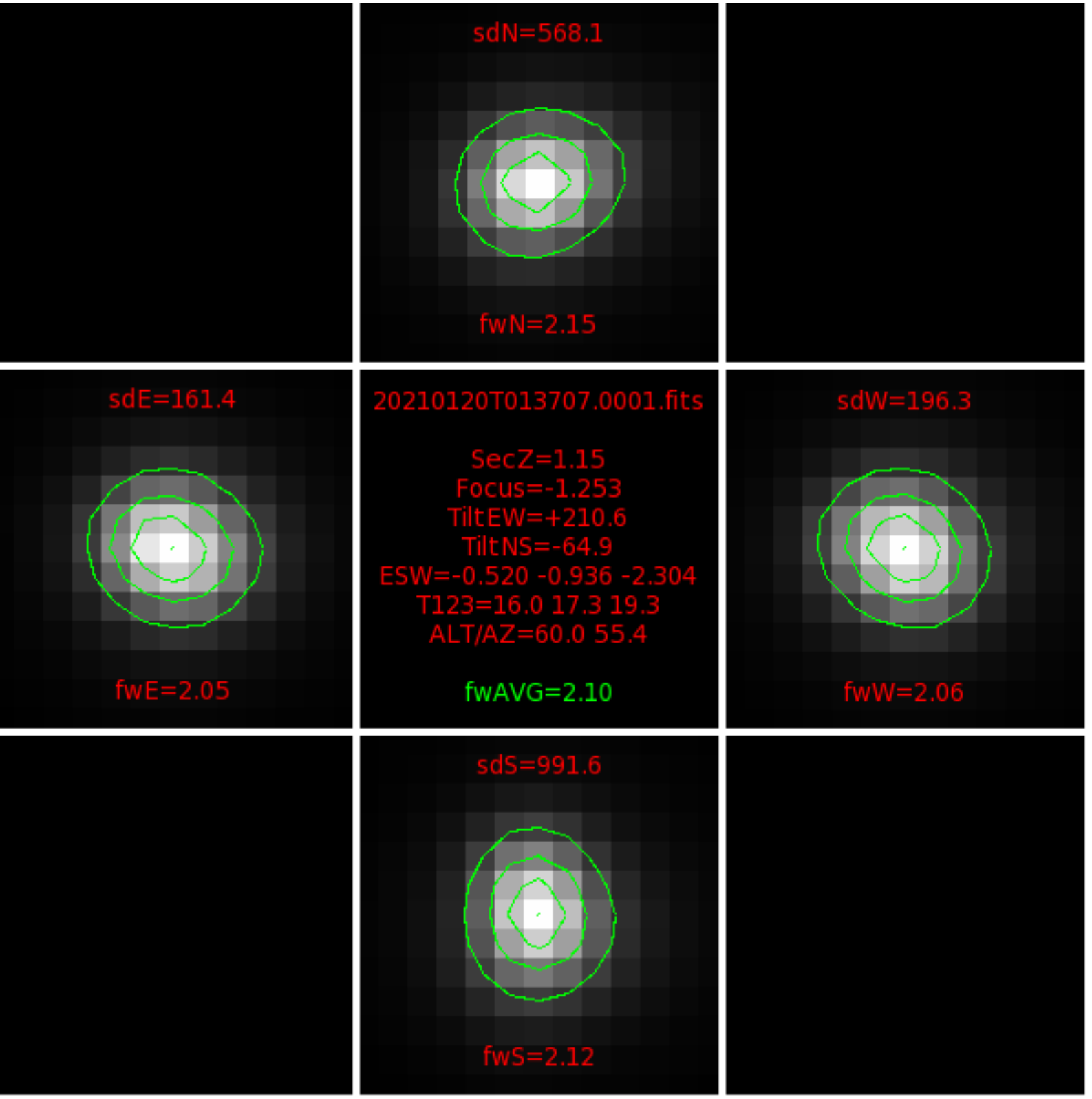
sdN=568.1
fwN=2.15
sdE=161.4
fwE=2.05
20210120T013707.0001.fits
SecZ=1.15
Focus=-1.253
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.520 -0.936 -2.304
T123=16.0 17.3 19.3
ALT/AZ=60.0 55.4
fwAVG=2.10
sdW=196.3
fwW=2.06
sdS=991.6
fwS=2.12
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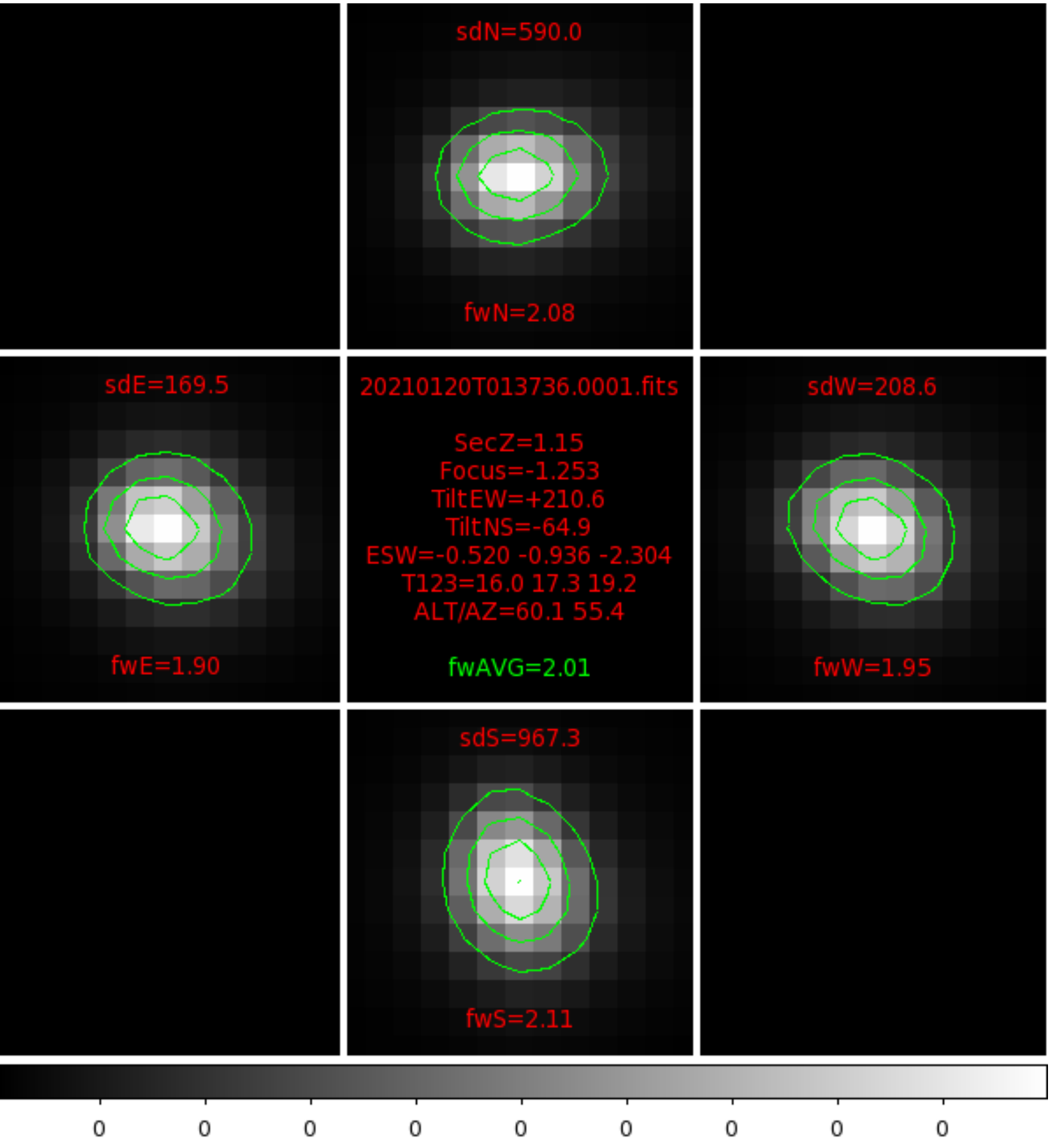
sdN=590.0
fwN=2.08
sdE=169.5
fwE=1.90
20210120T013736.0001.fits
SecZ=1.15
Focus=-1.253
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.520 -0.936 -2.304
T123=16.0 17.3 19.2
ALT/AZ=60.1 55.4
fwAVG=2.01
sdW=208.6
fwW=1.95
sdS=967.3
fwS=2.11
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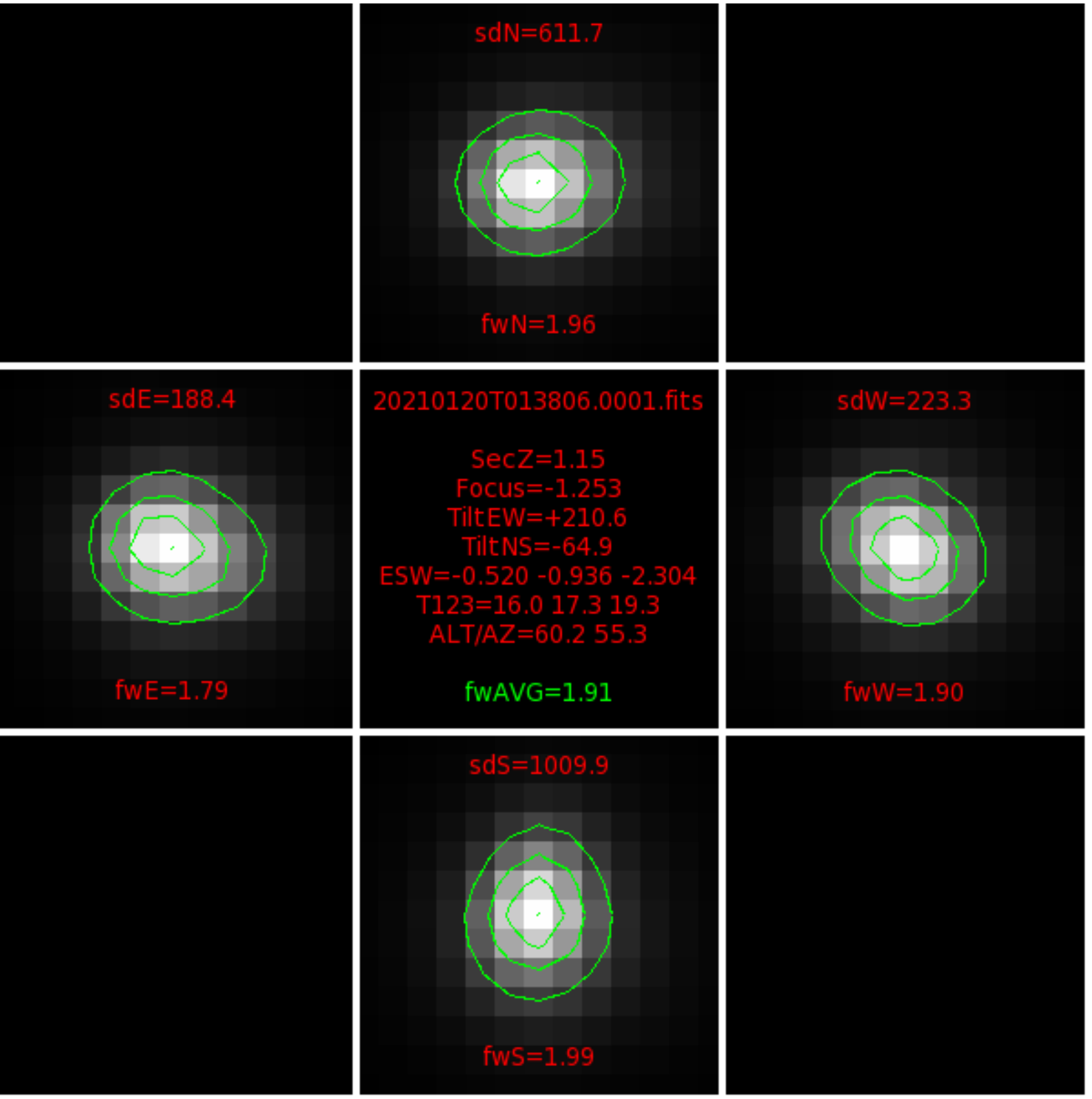
sdN=611.7
fwN=1.96
sdE=188.4
fwE=1.79
20210120T013806.0001.fits
SecZ=1.15
Focus=-1.253
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.520 -0.936 -2.304
T123=16.0 17.3 19.3
ALT/AZ=60.2 55.3
fwAVG=1.91
sdW=223.3
fwW=1.90
sdS=1009.9
fwS=1.99
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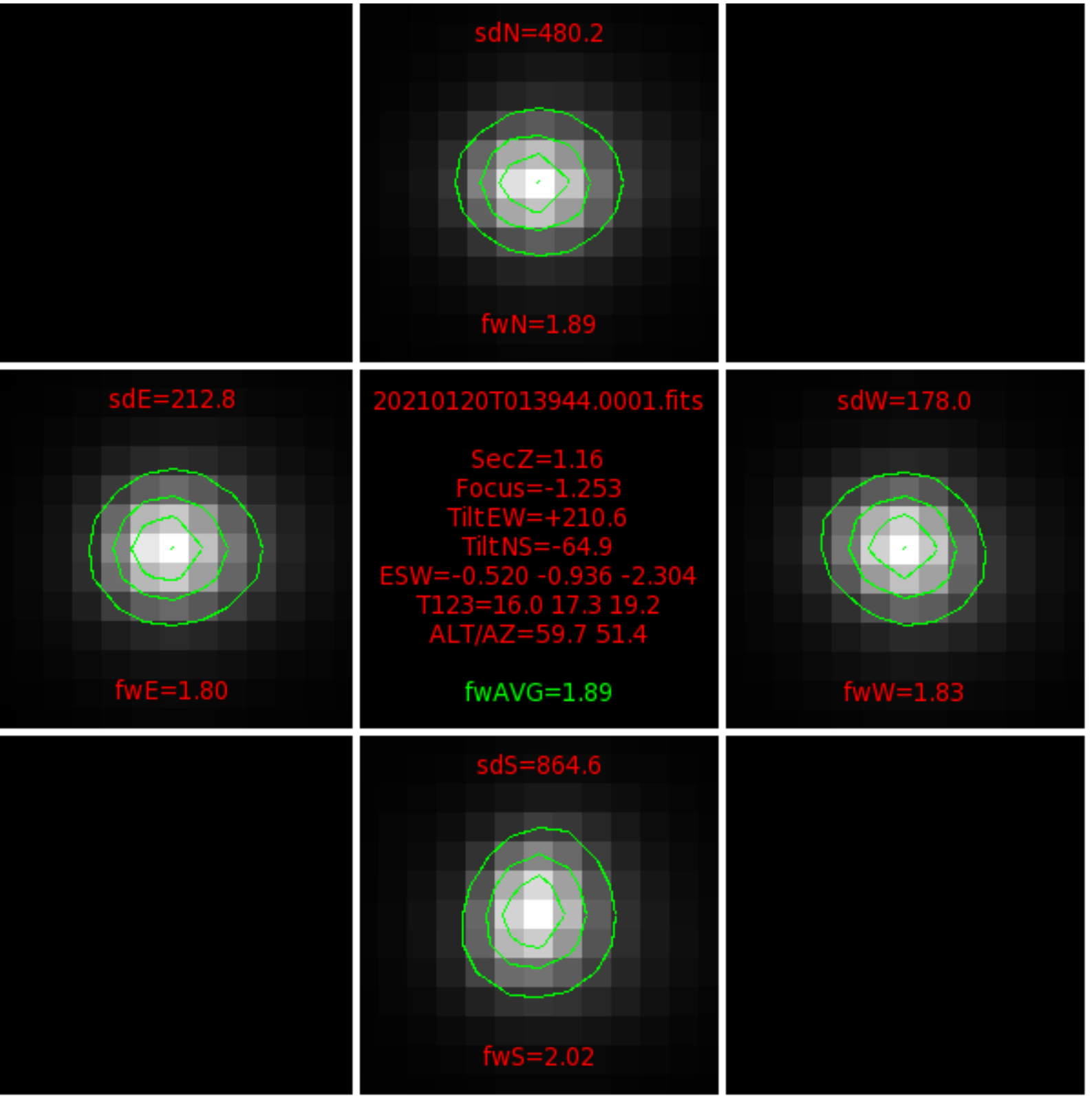
sdN=480.2
fwN=1.89
sdE=212.8
fwE=1.80
20210120T013944.0001.fits
SecZ=1.16
Focus=-1.253
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.520 -0.936 -2.304
T123=16.0 17.3 19.2
ALT/AZ=59.7 51.4
fwAVG=1.89
sdW=178.0
fwW=1.83
sdS=864.6
fwS=2.02
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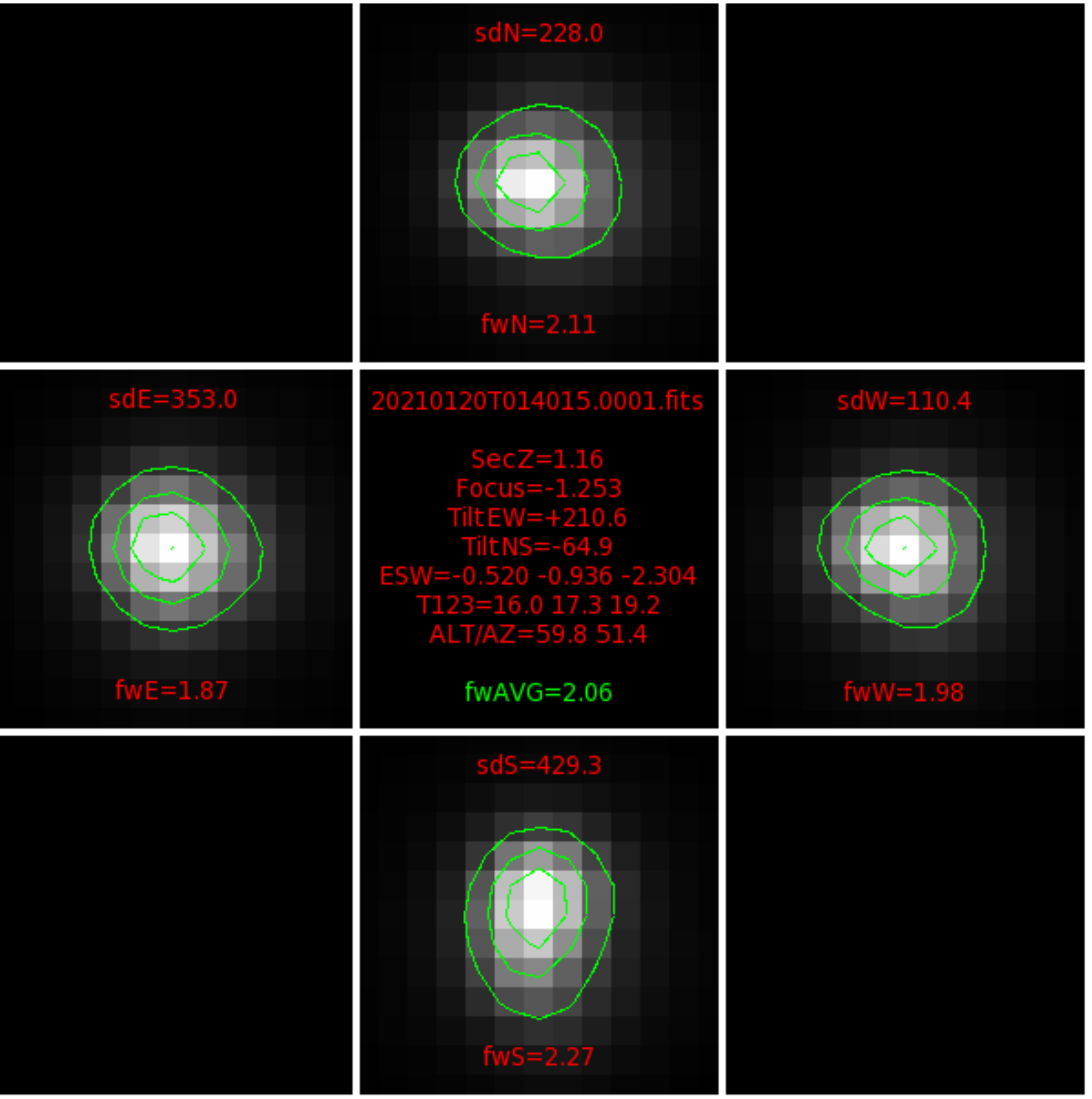
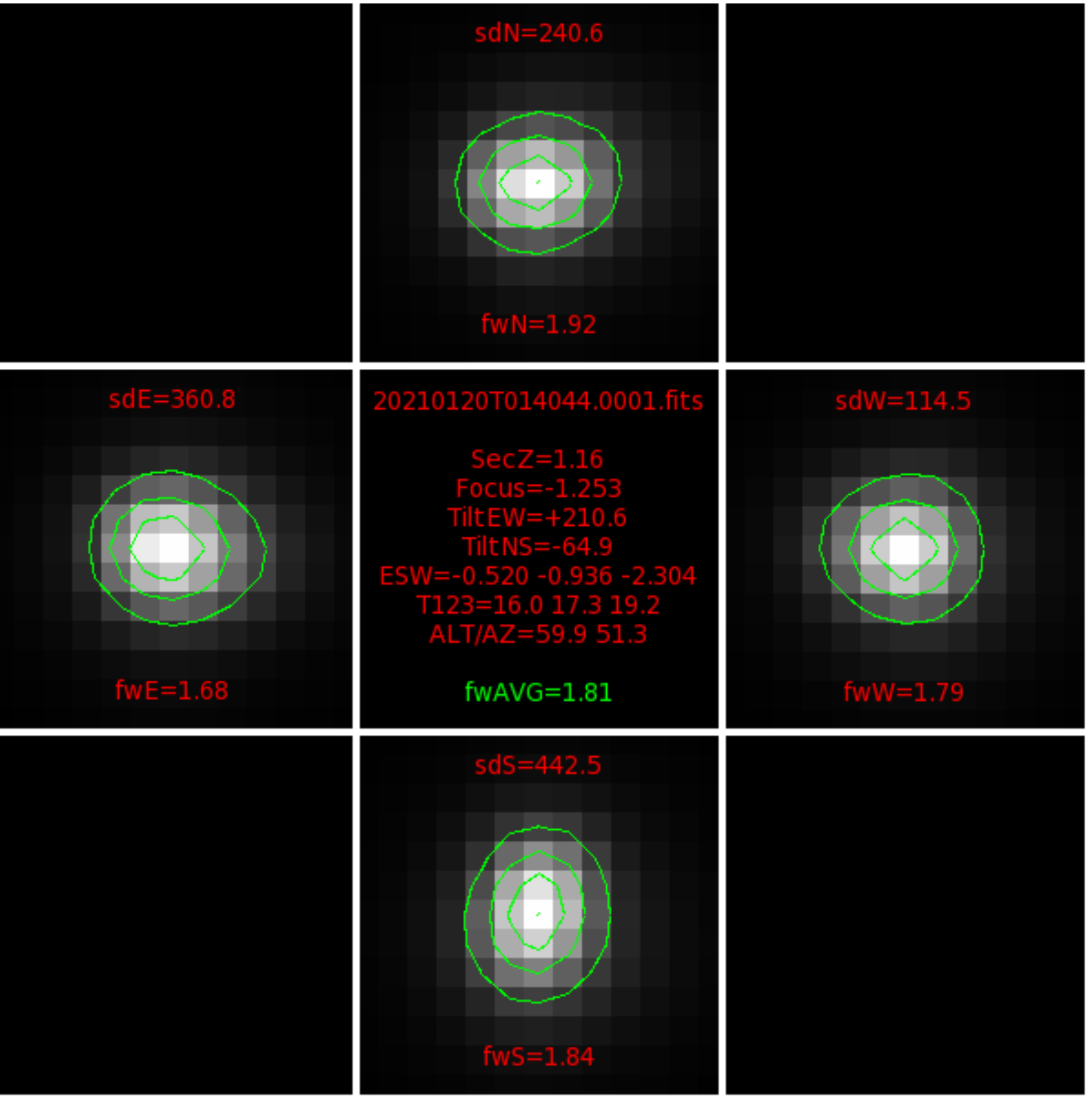

sdN=228.0
fwN=2.11
sdE=353.0
fwE=1.87
20210120T014015.0001.fits
SecZ=1.16
Focus=-1.253
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.520 -0.936 -2.304
T123=16.0 17.3 19.2
ALT/AZ=59.8 51.4
fwAVG=2.06
sdW=110.4
fwW=1.98
sdS=429.3
fwS=2.27
0 0 0 0 0 0 0 0 0


sdN=240.6
fwN=1.92
sdE=360.8
fwE=1.68
20210120T014044.0001.fits
SecZ=1.16
Focus=-1.253
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.520 -0.936 -2.304
T123=16.0 17.3 19.2
ALT/AZ=59.9 51.3
fwAVG=1.81
sdW=114.5
fwW=1.79
sdS=442.5
fwS=1.84
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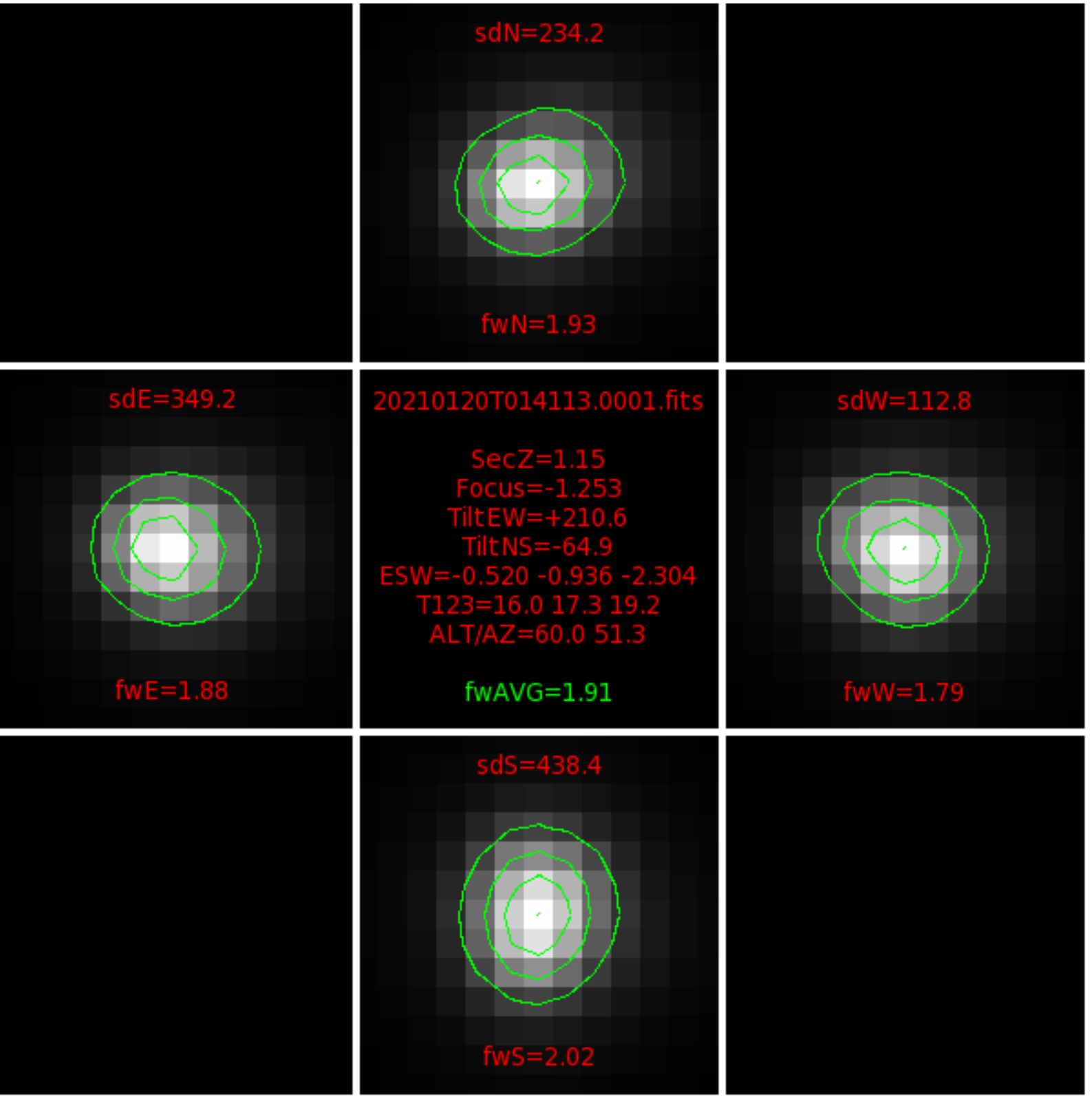
sdN=234.2
fwN=1.93
sdE=349.2
fwE=1.88
20210120T014113.0001.fits
SecZ=1.15
Focus=-1.253
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.520 -0.936 -2.304
T123=16.0 17.3 19.2
ALT/AZ=60.0 51.3
fwAVG=1.91
sdW=112.8
fwW=1.79
sdS=438.4
fwS=2.02
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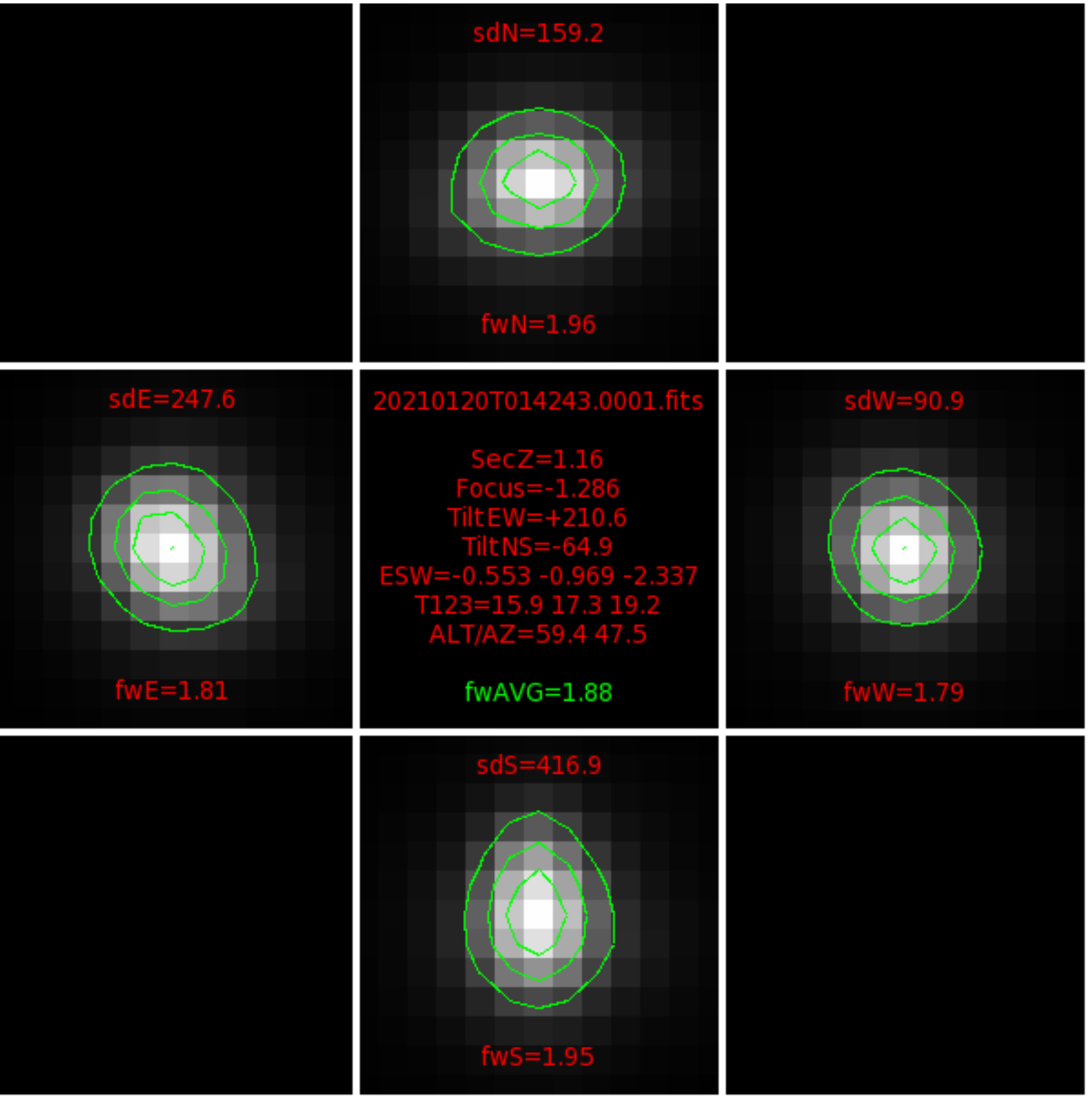
sdN=159.2
fwN=1.96
sdE=247.6
fwE=1.81
20210120T014243.0001.fits
SecZ=1.16
Focus=-1.286
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.553 -0.969 -2.337
T123=15.9 17.3 19.2
ALT/AZ=59.4 47.5
fwAVG=1.88
sdW=90.9
fwW=1.79
sdS=416.9
fwS=1.95
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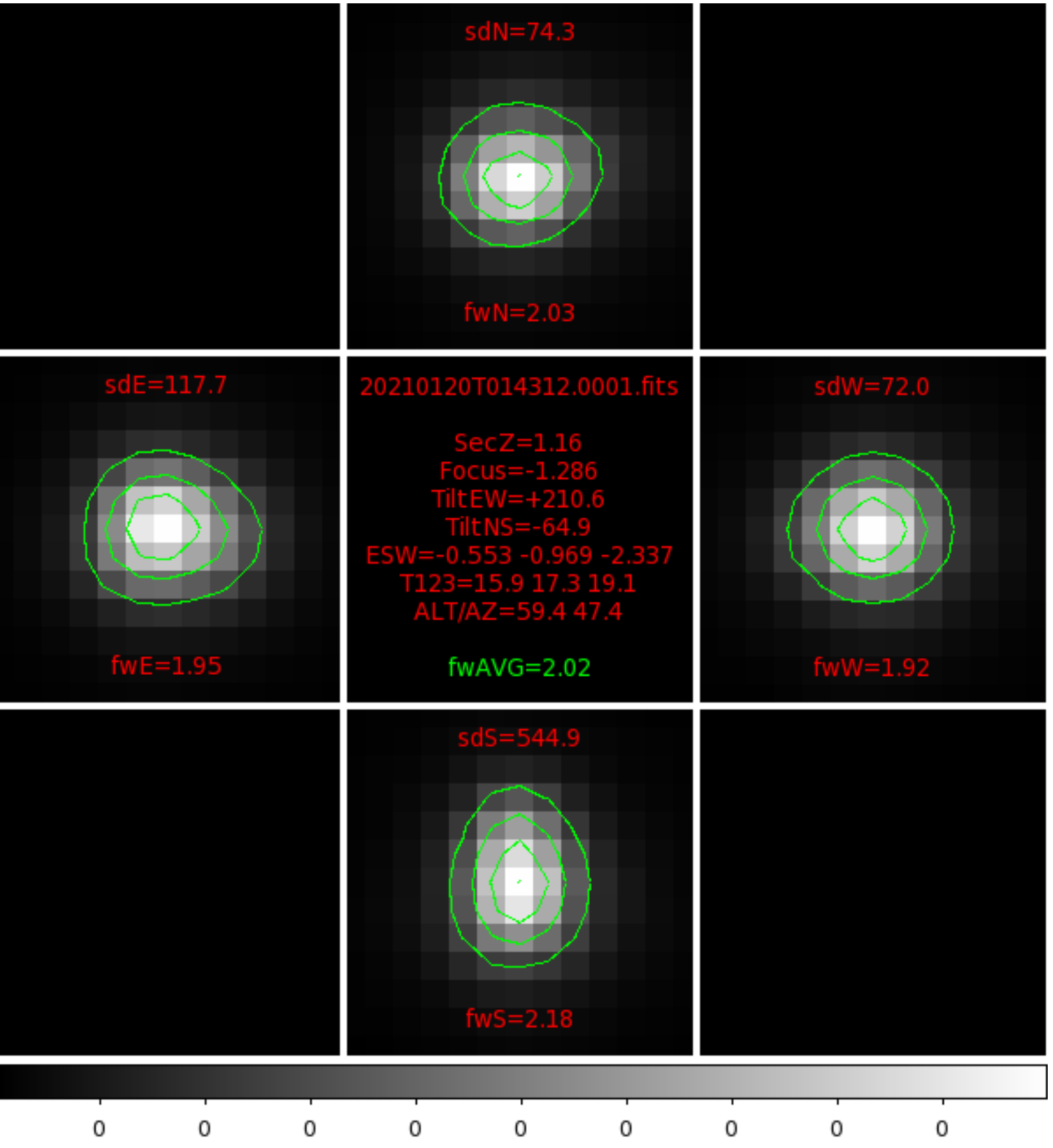
sdN=74.3
fwN=2.03
sdE=117.7
fwE=1.95
20210120T014312.0001.fits
SecZ=1.16
Focus=-1.286
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.553 -0.969 -2.337
T123=15.9 17.3 19.1
ALT/AZ=59.4 47.4
fwAVG=2.02
sdW=72.0
fwW=1.92
sdS=544.9
fwS=2.18
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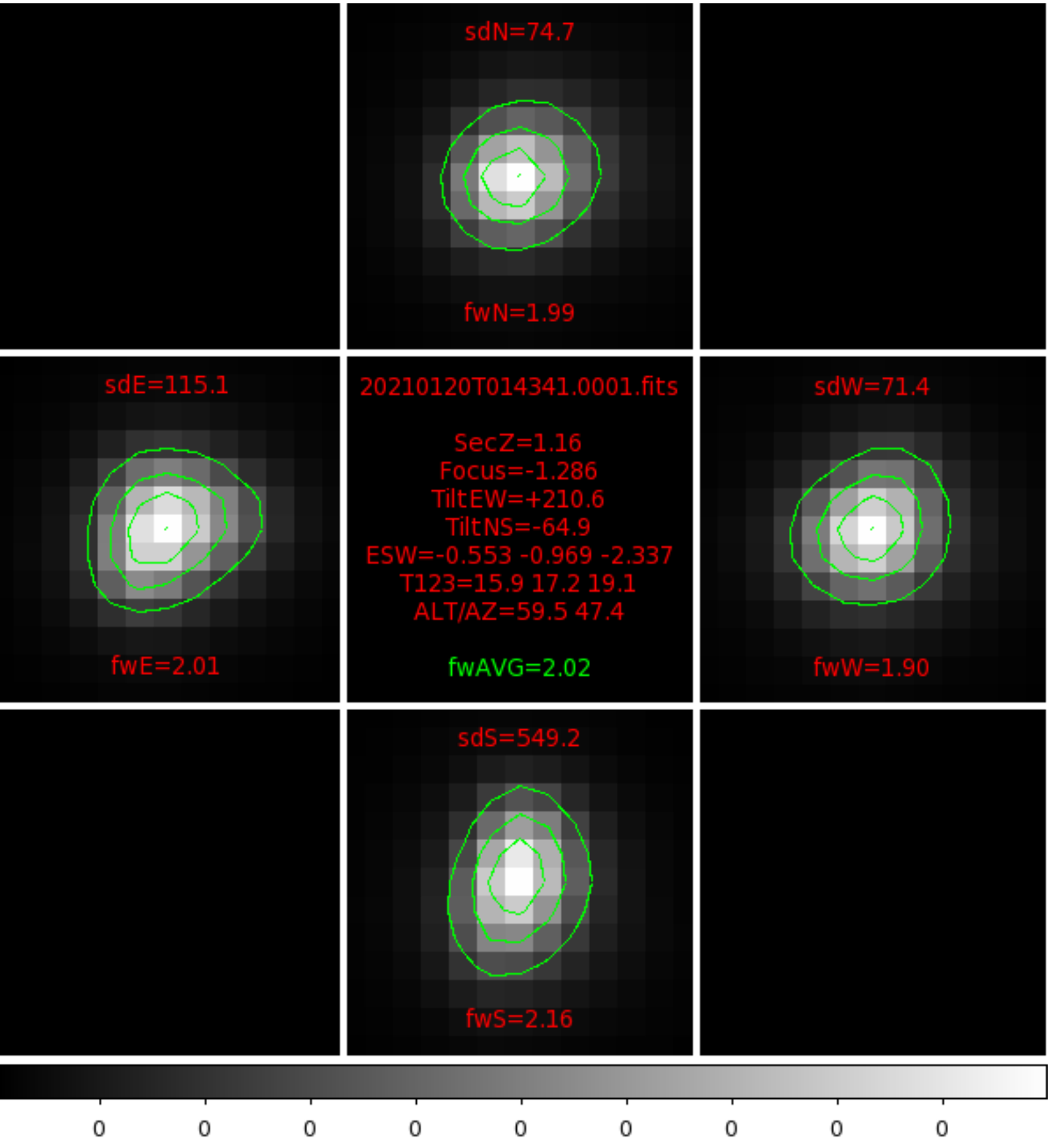
sdN=74.7
fwN=1.99
sdE=115.1
fwE=2.01
20210120T014341.0001.fits
SecZ=1.16
Focus=-1.286
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.553 -0.969 -2.337
T123=15.9 17.2 19.1
ALT/AZ=59.5 47.4
fwAVG=2.02
sdW=71.4
fwW=1.90
sdS=549.2
fwS=2.16
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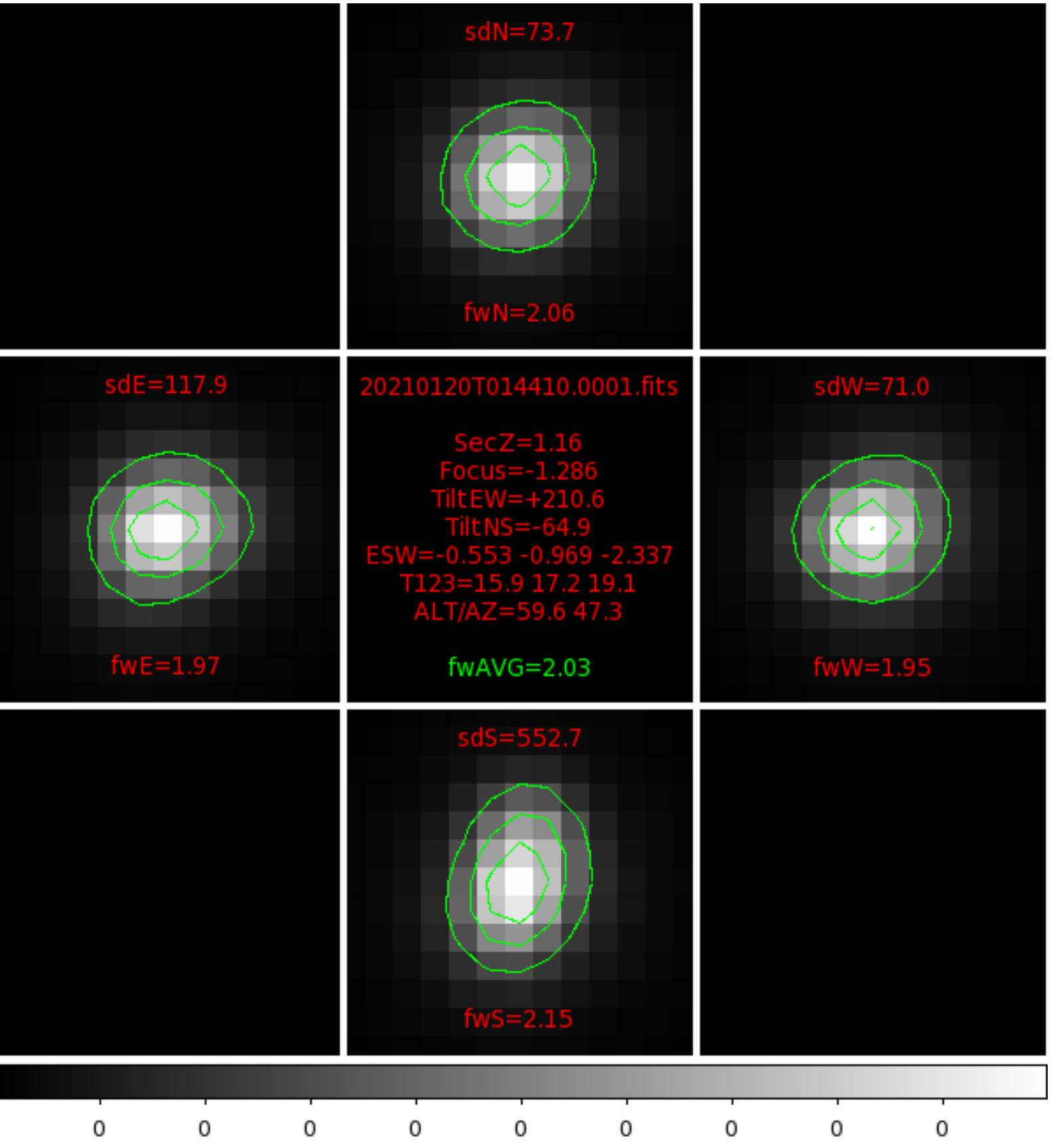
sdN=73.7
fwN=2.06
sdE=117.9
fwE=1.97
20210120T014410.0001.fits
SecZ=1.16
Focus=-1.286
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.553 -0.969 -2.337
T123=15.9 17.2 19.1
ALT/AZ=59.6 47.3
fwAVG=2.03
sdW=71.0
fwW=1.95
sdS=552.7
fwS=2.15
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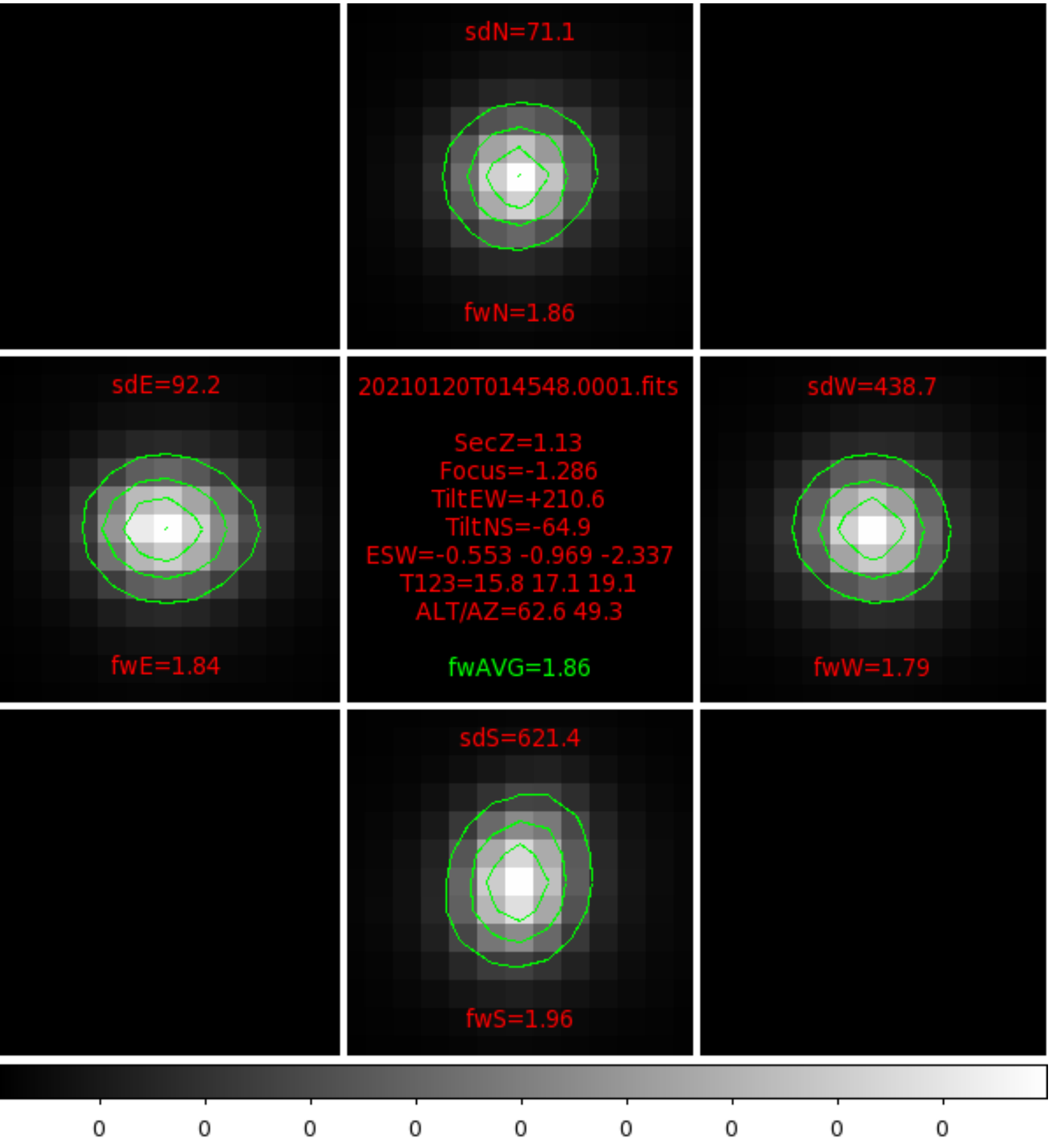
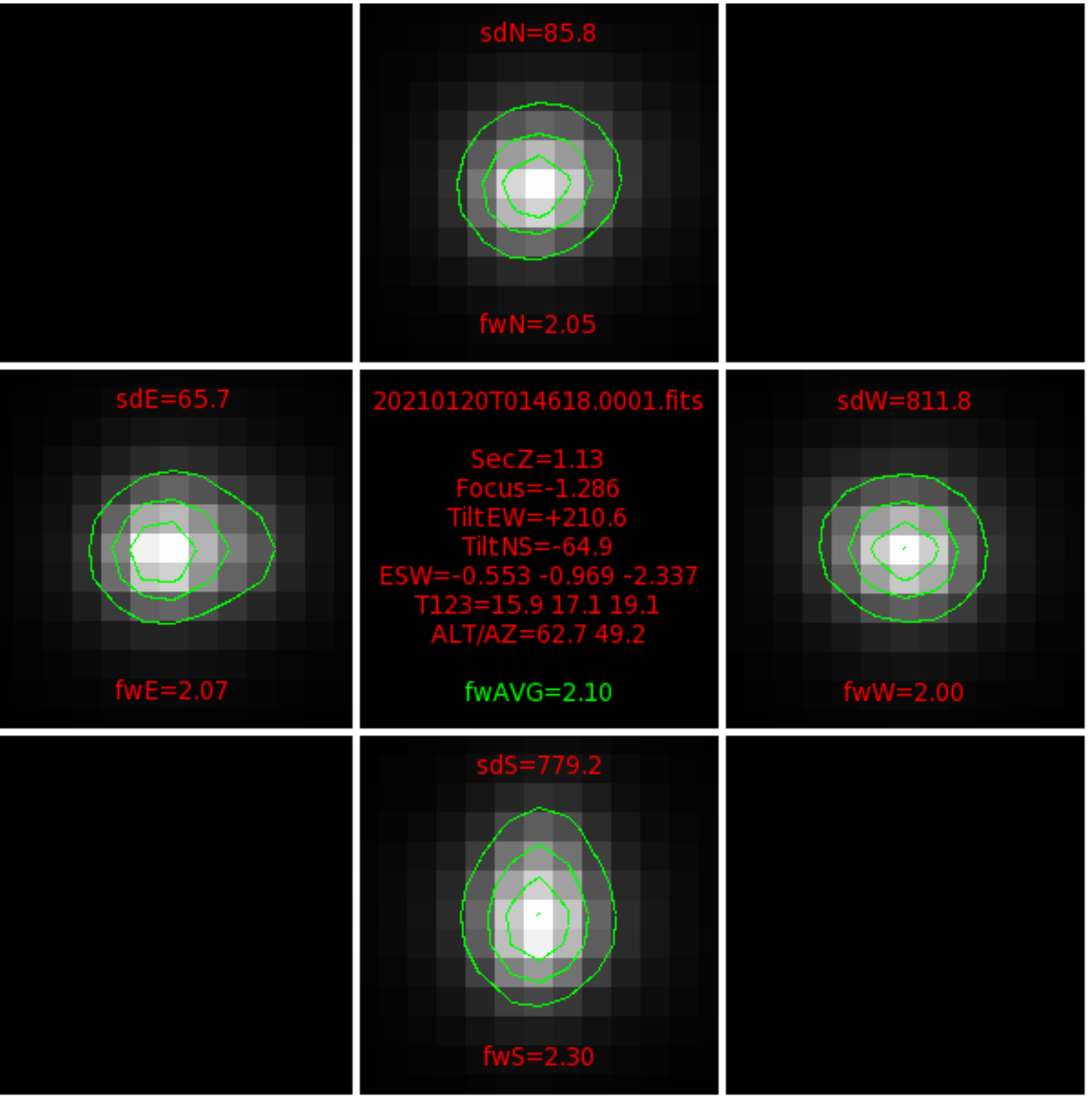

sdN=71.1
fwN=1.86
sdE=92.2
fwE=1.84
20210120T014548.0001.fits
SecZ=1.13
Focus=-1.286
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.553 -0.969 -2.337
T123=15.8 17.1 19.1
ALT/AZ=62.6 49.3
fwAVG=1.86
sdW=438.7
fwW=1.79
sdS=621.4
fwS=1.96
0 0 0 0 0 0 0 0 0


sdN=85.8
fwN=2.05
sdE=65.7
fwE=2.07
20210120T014618.0001.fits
SecZ=1.13
Focus=-1.286
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.553 -0.969 -2.337
T123=15.9 17.1 19.1
ALT/AZ=62.7 49.2
fwAVG=2.10
sdW=811.8
fwW=2.00
sdS=779.2
fwS=2.30
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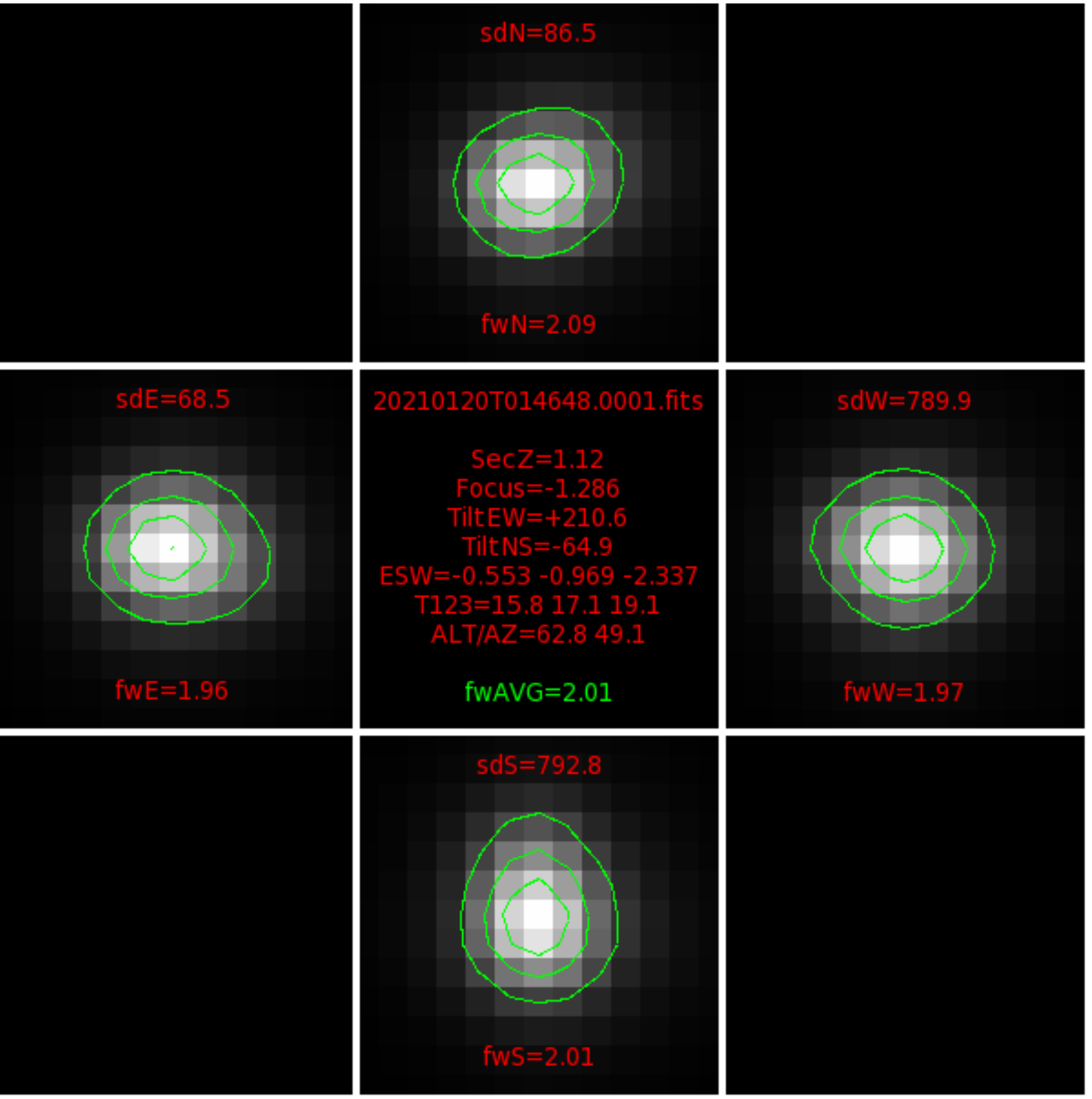
sdN=86.5
fwN=2.09
sdE=68.5
fwE=1.96
20210120T014648.0001.fits
SecZ=1.12
Focus=-1.286
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.553 -0.969 -2.337
T123=15.8 17.1 19.1
ALT/AZ=62.8 49.1
fwAVG=2.01
sdW=789.9
fwW=1.97
sdS=792.8
fwS=2.01
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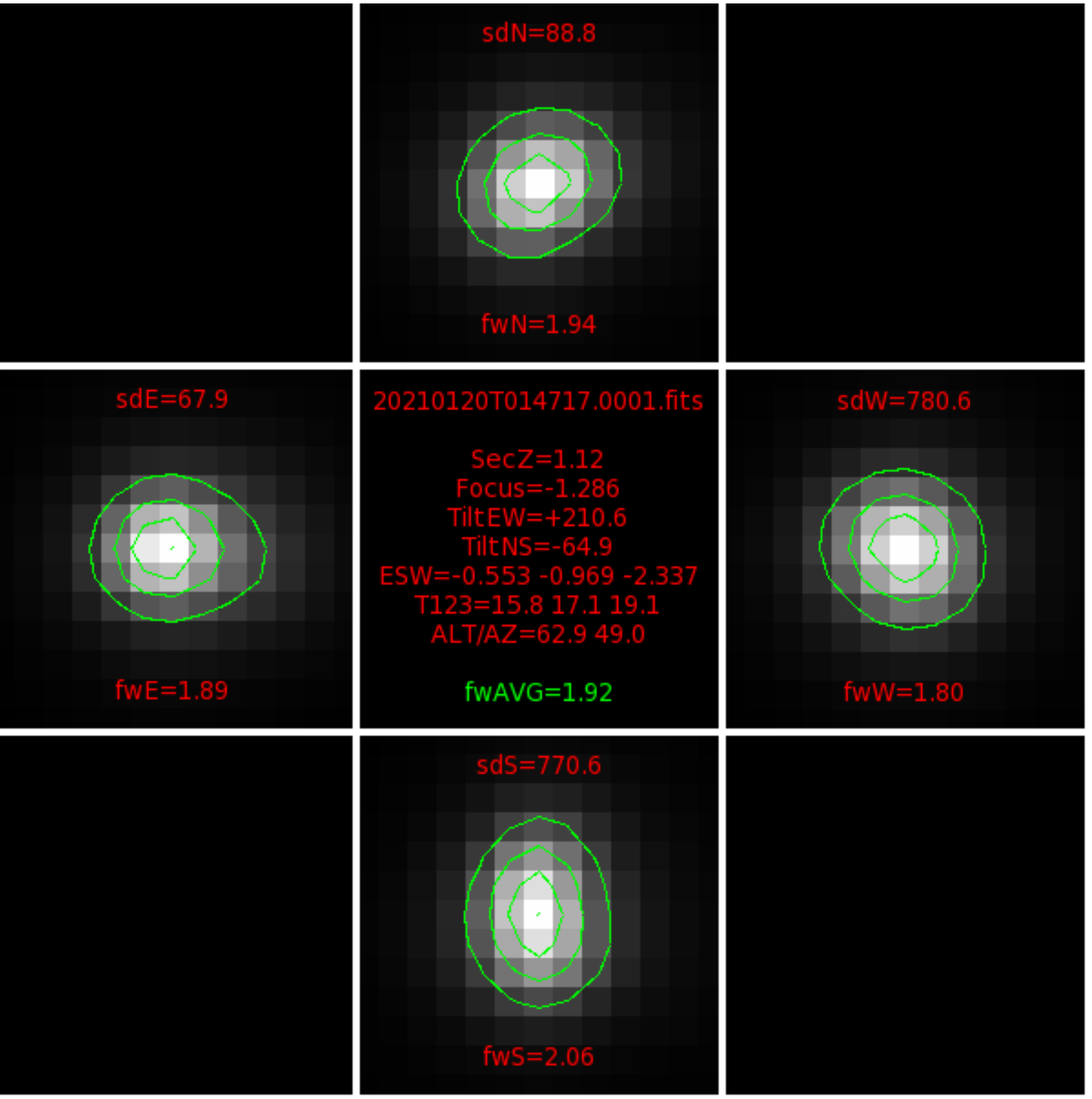
sdN=88.8
fwN=1.94
sdE=67.9
fwE=1.89
20210120T014717.0001.fits
SecZ=1.12
Focus=-1.286
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.553 -0.969 -2.337
T123=15.8 17.1 19.1
ALT/AZ=62.9 49.0
fwAVG=1.92
sdW=780.6
fwW=1.80
sdS=770.6
fwS=2.06
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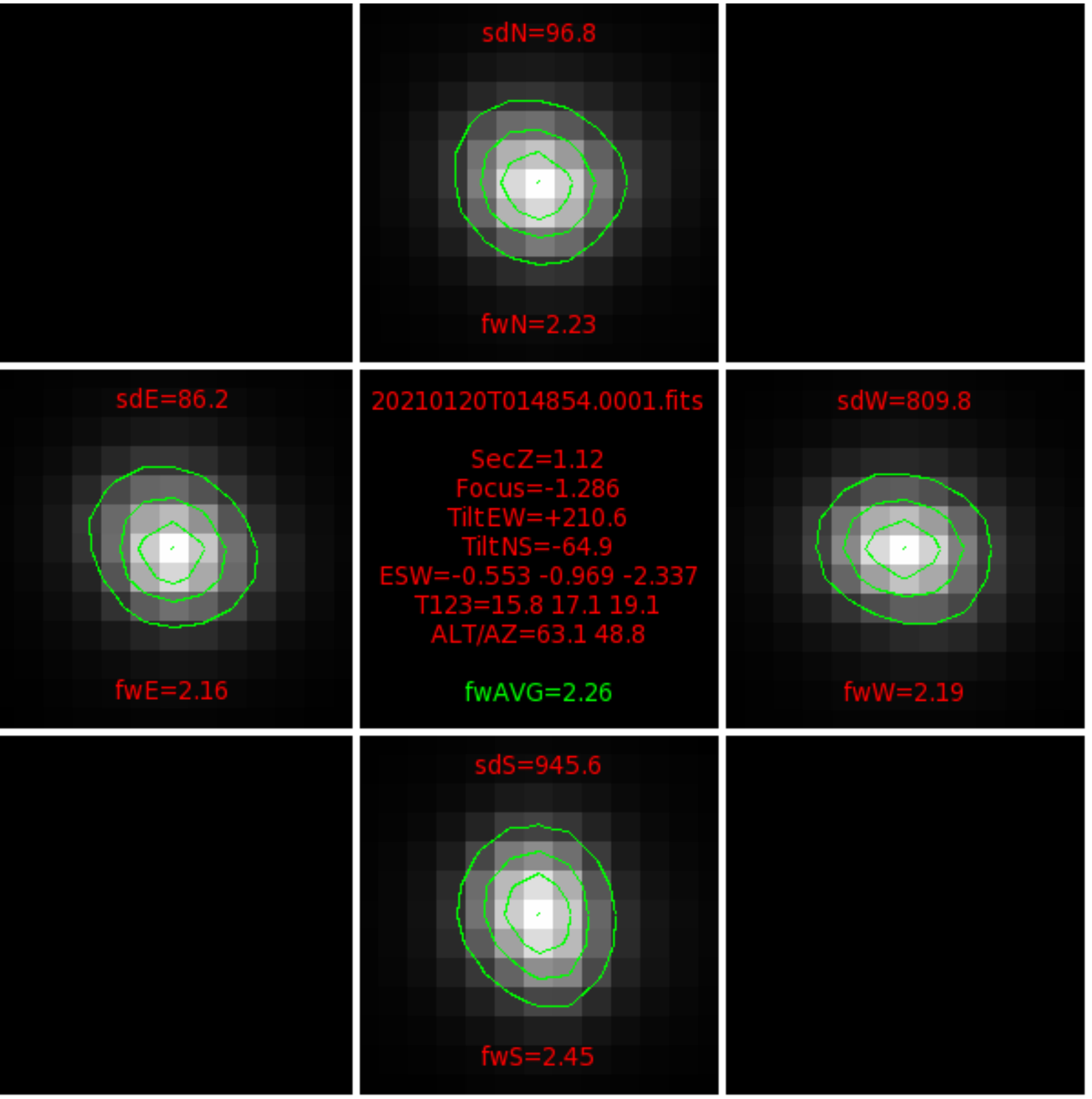
sdN=96.8
fwN=2.23
sdE=86.2
fwE=2.16
20210120T014854.0001.fits
SecZ=1.12
Focus=-1.286
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.553 -0.969 -2.337
T123=15.8 17.1 19.1
ALT/AZ=63.1 48.8
fwAVG=2.26
sdW=809.8
fwW=2.19
sdS=945.6
fwS=2.45
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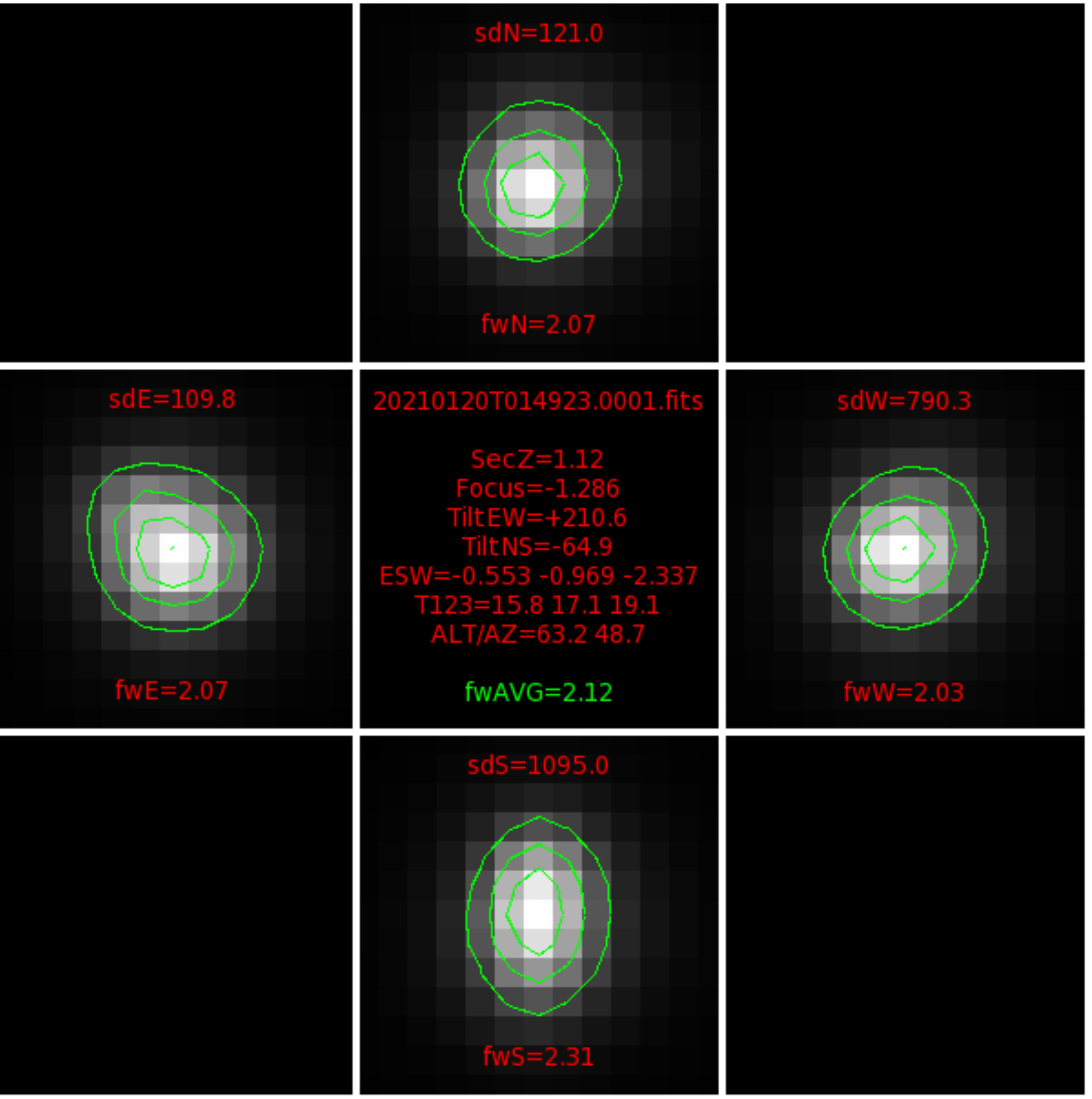
sdN=121.0
fwN=2.07
sdE=109.8
fwE=2.07
20210120T014923.0001.fits
SecZ=1.12
Focus=-1.286
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.553 -0.969 -2.337
T123=15.8 17.1 19.1
ALT/AZ=63.2 48.7
fwAVG=2.12
sdW=790.3
fwW=2.03
sdS=1095.0
fwS=2.31
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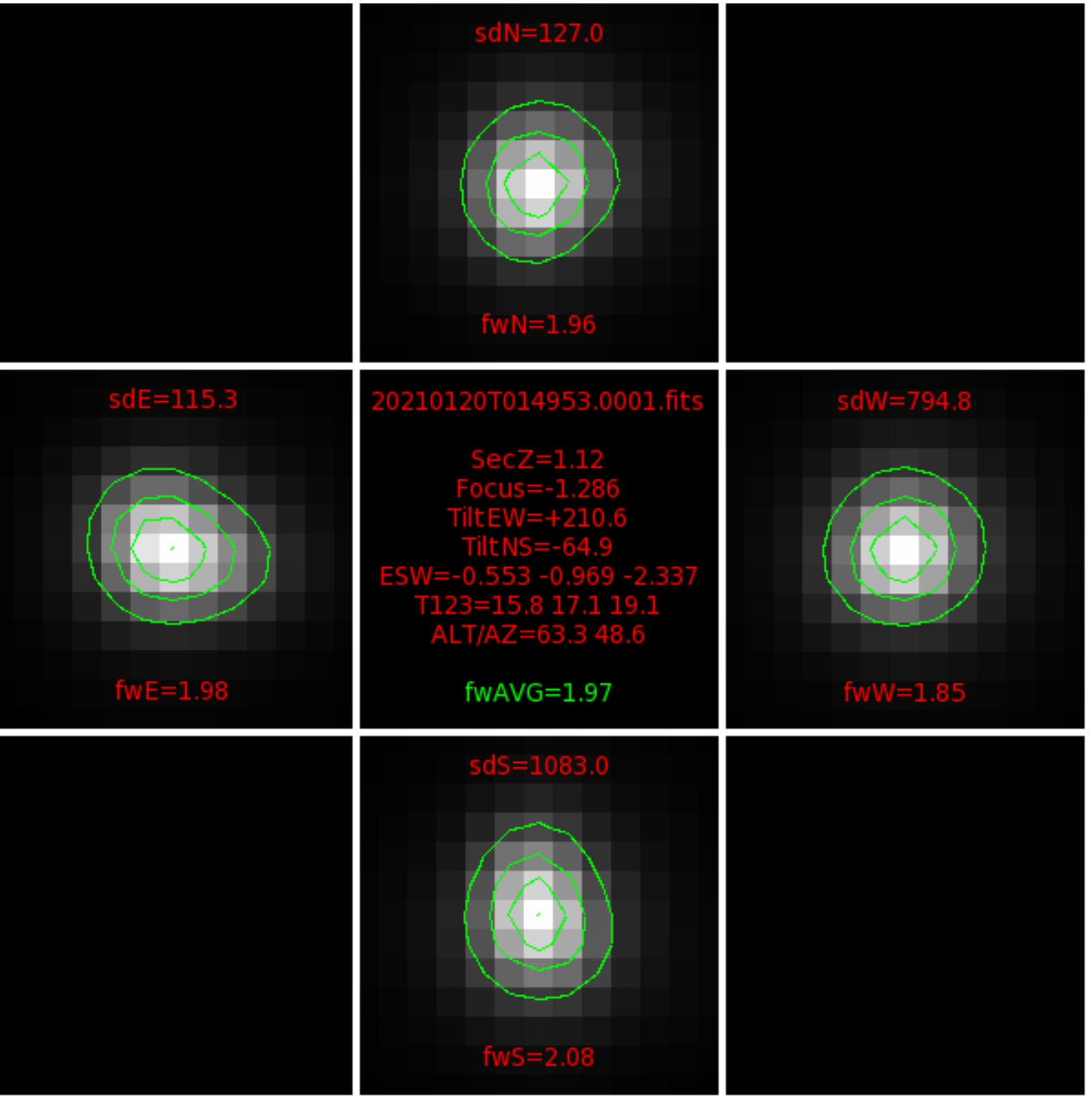
sdN=127.0
fwN=1.96
sdE=115.3
fwE=1.98
20210120T014953.0001.fits
SecZ=1.12
Focus=-1.286
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.553 -0.969 -2.337
T123=15.8 17.1 19.1
ALT/AZ=63.3 48.6
fwAVG=1.97
sdW=794.8
fwW=1.85
sdS=1083.0
fwS=2.08
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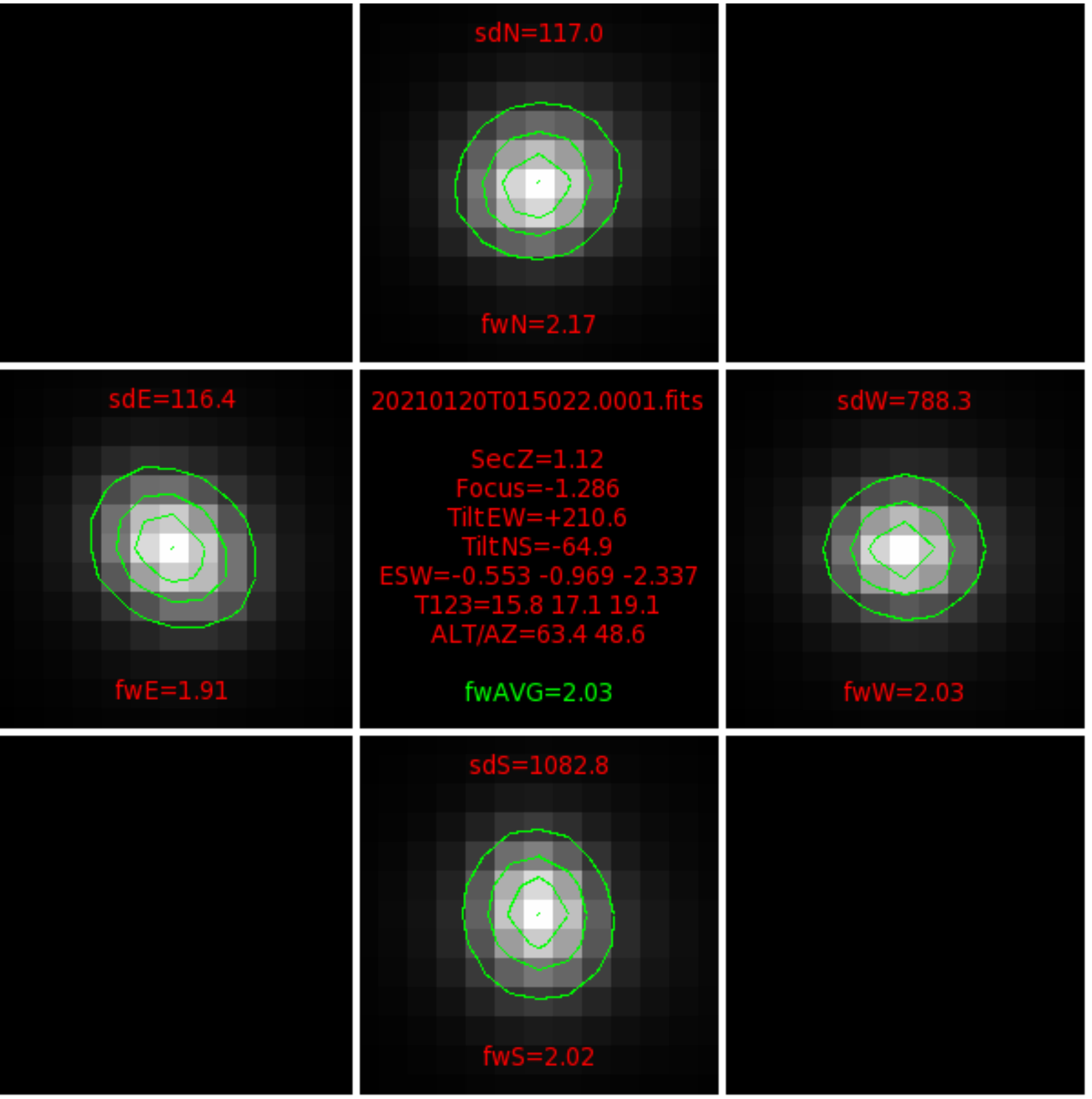
sdN=117.0
fwN=2.17
sdE=116.4
fwE=1.91
20210120T015022.0001.fits
SecZ=1.12
Focus=-1.286
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.553 -0.969 -2.337
T123=15.8 17.1 19.1
ALT/AZ=63.4 48.6
fwAVG=2.03
sdW=788.3
fwW=2.03
sdS=1082.8
fwS=2.02
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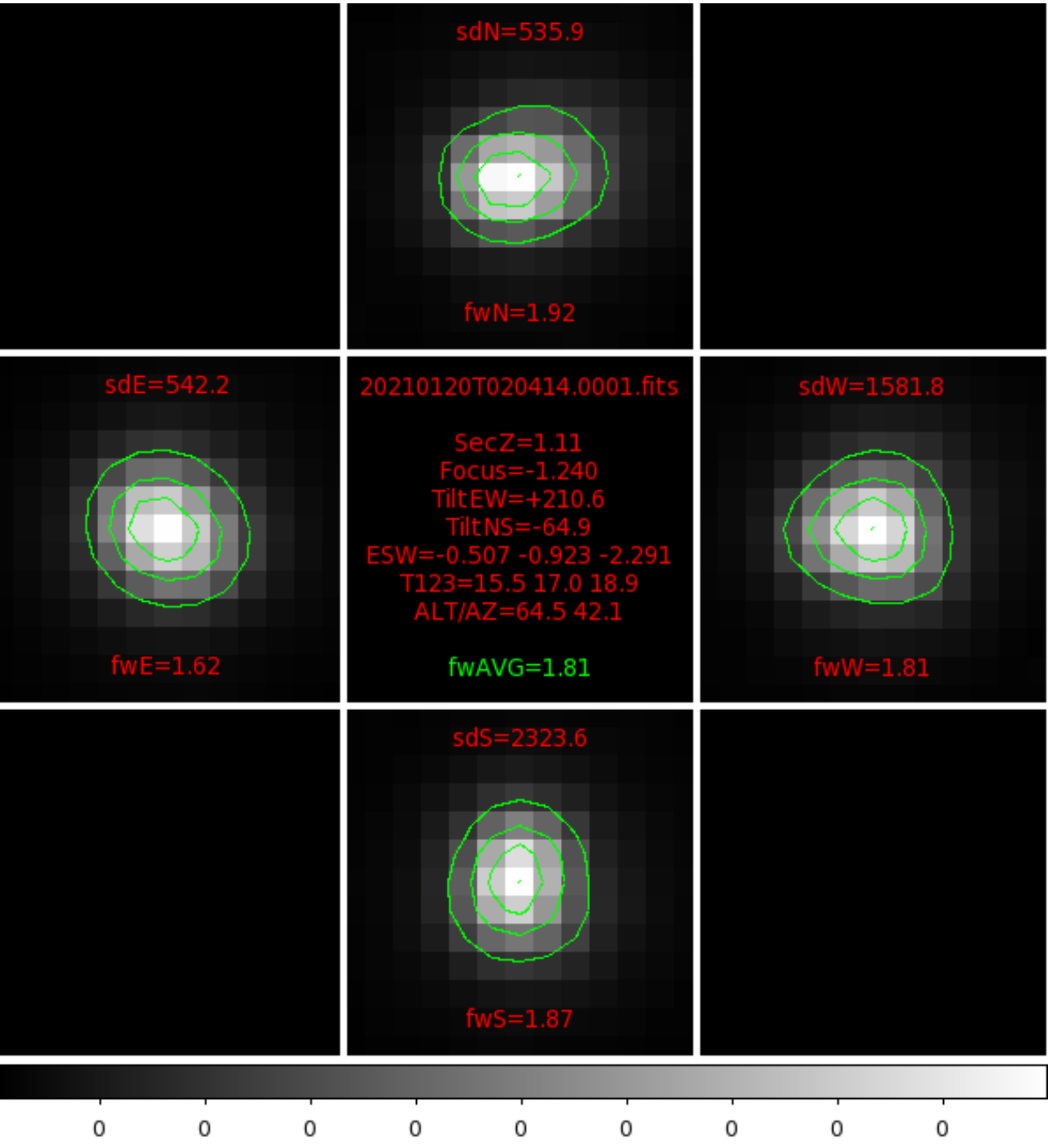
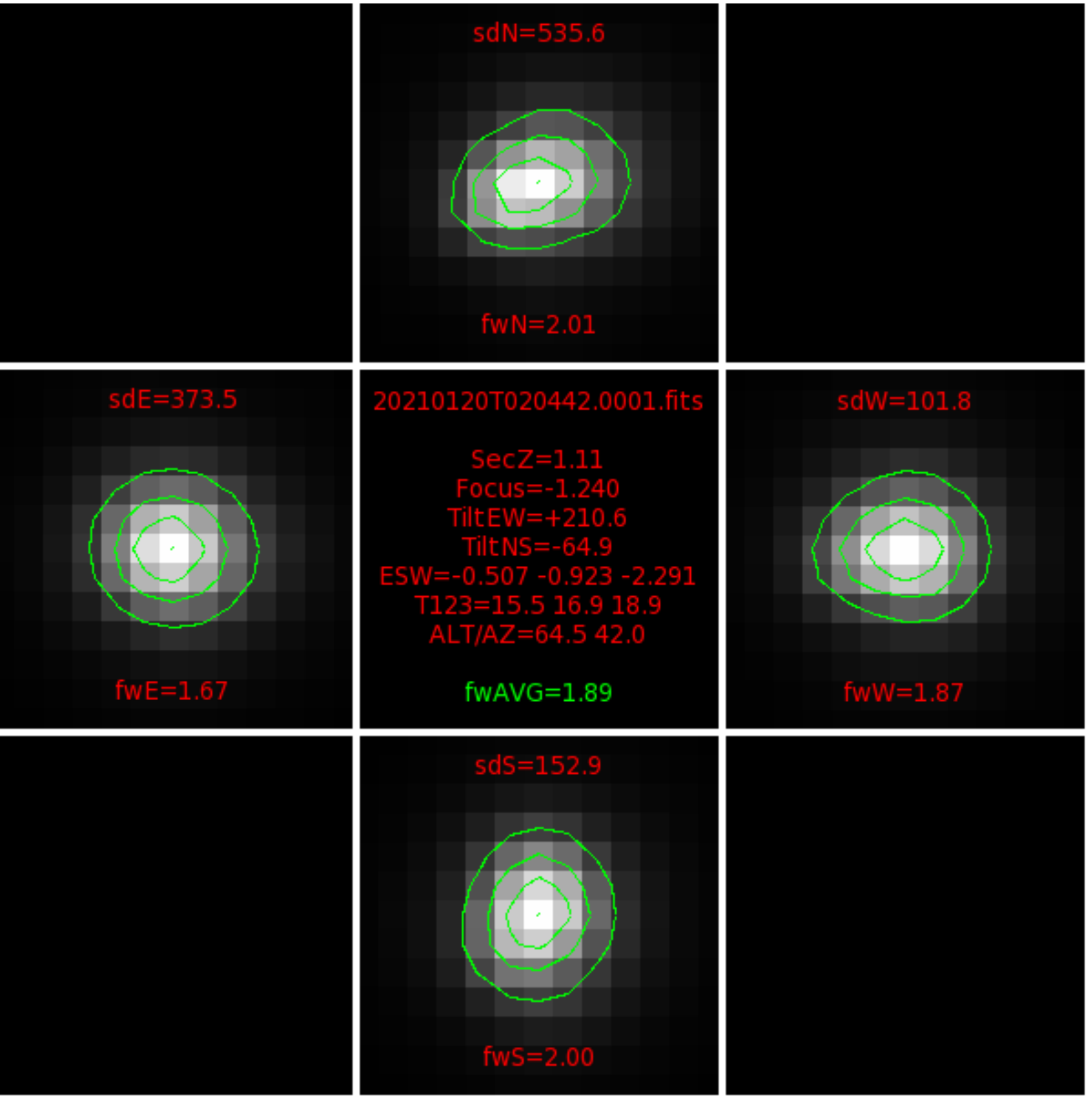

sdN=535.9
fwN=1.92
sdE=542.2
fwE=1.62
20210120T020414.0001.fits
SecZ=1.11
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 17.0 18.9
ALT/AZ=64.5 42.1
fwAVG=1.81
sdW=1581.8
fwW=1.81
sdS=2323.6
fwS=1.87
0 0 0 0 0 0 0 0 0


sdN=535.6
fwN=2.01
sdE=373.5
fwE=1.67
20210120T020442.0001.fits
SecZ=1.11
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 16.9 18.9
ALT/AZ=64.5 42.0
fwAVG=1.89
sdW=101.8
fwW=1.87
sdS=152.9
fwS=2.00
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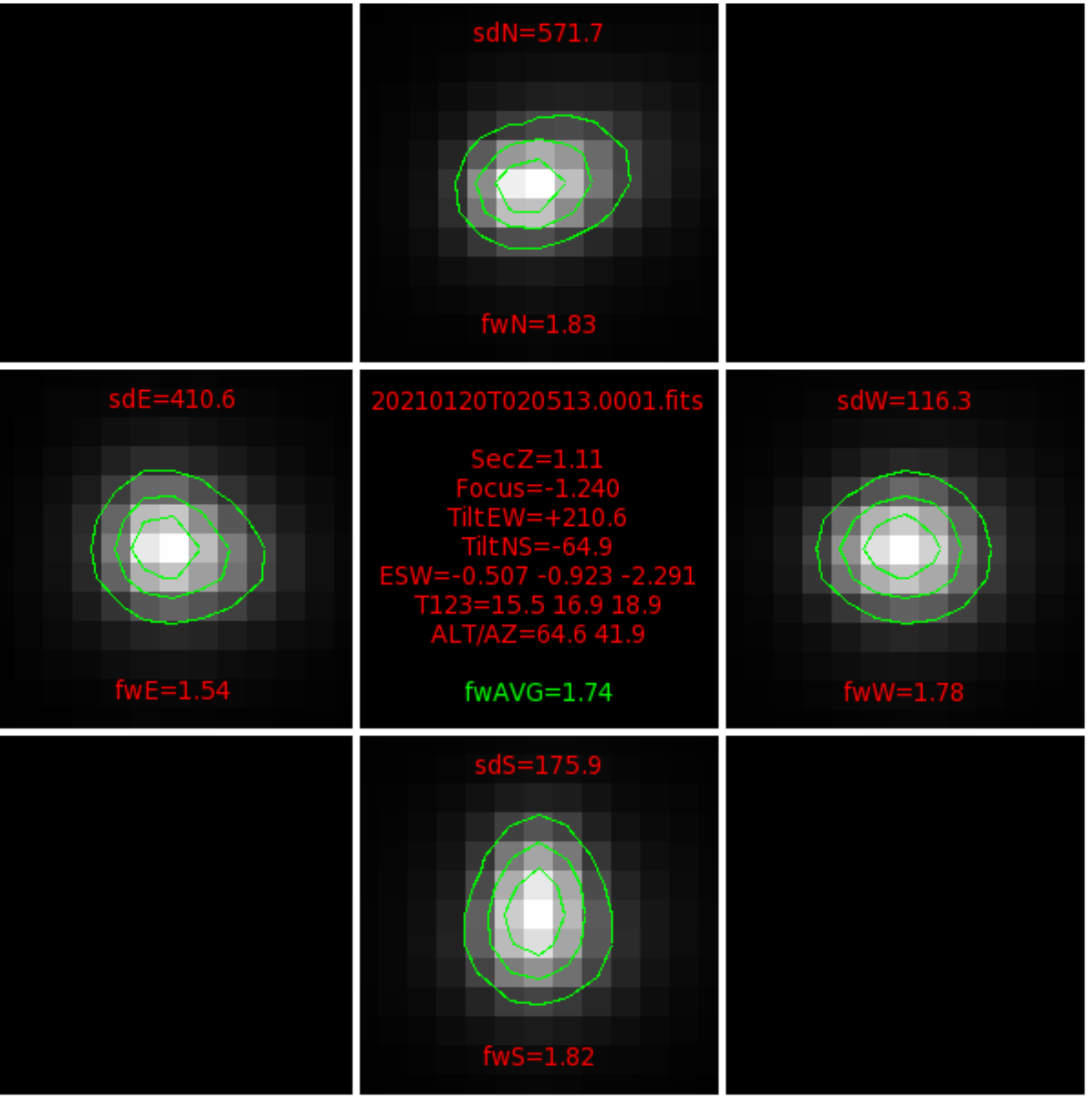
sdN=571.7
fwN=1.83
sdE=410.6
fwE=1.54
20210120T020513.0001.fits
SecZ=1.11
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 16.9 18.9
ALT/AZ=64.6 41.9
fwAVG=1.74
sdW=116.3
fwW=1.78
sdS=175.9
fwS=1.82
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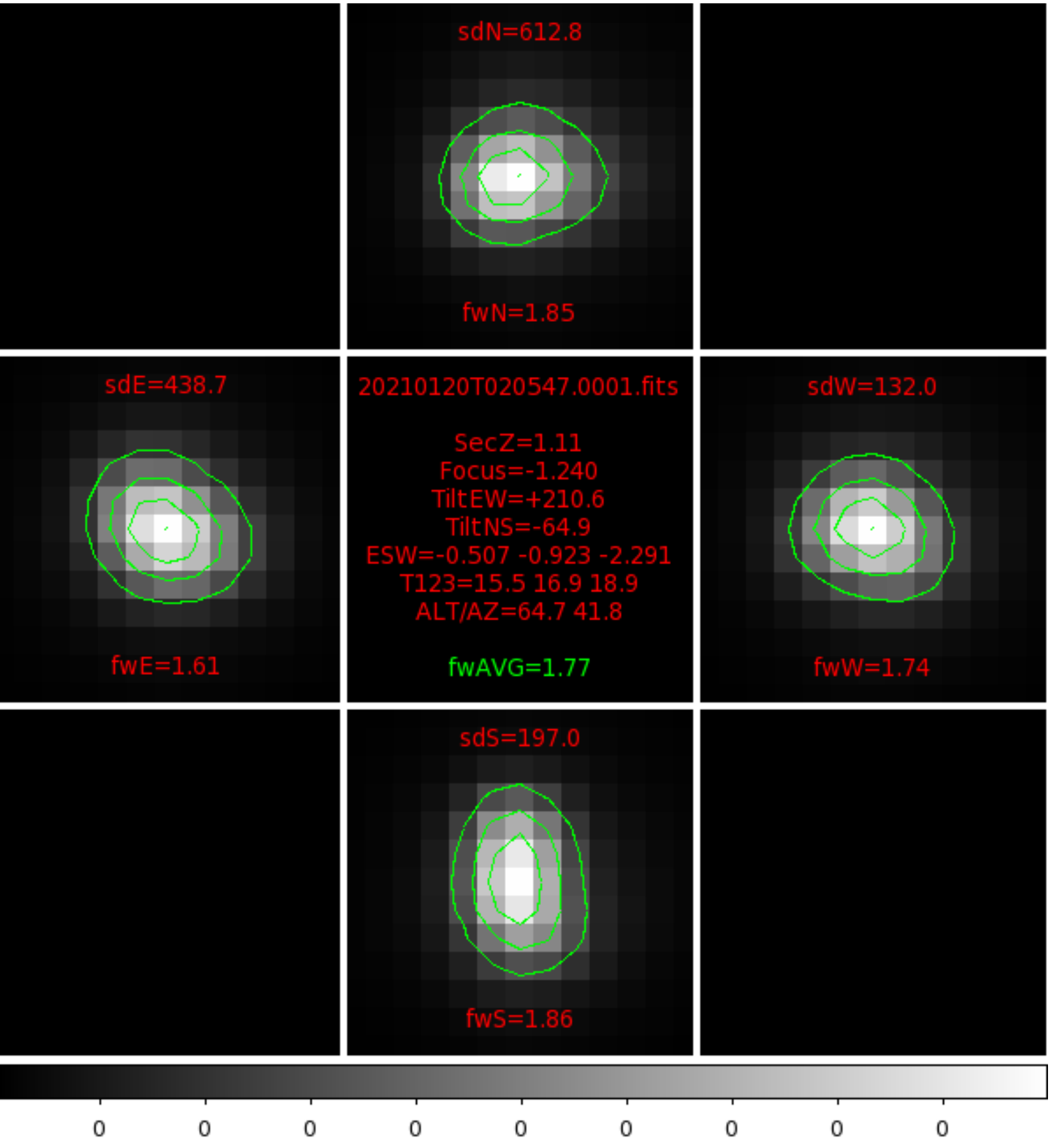
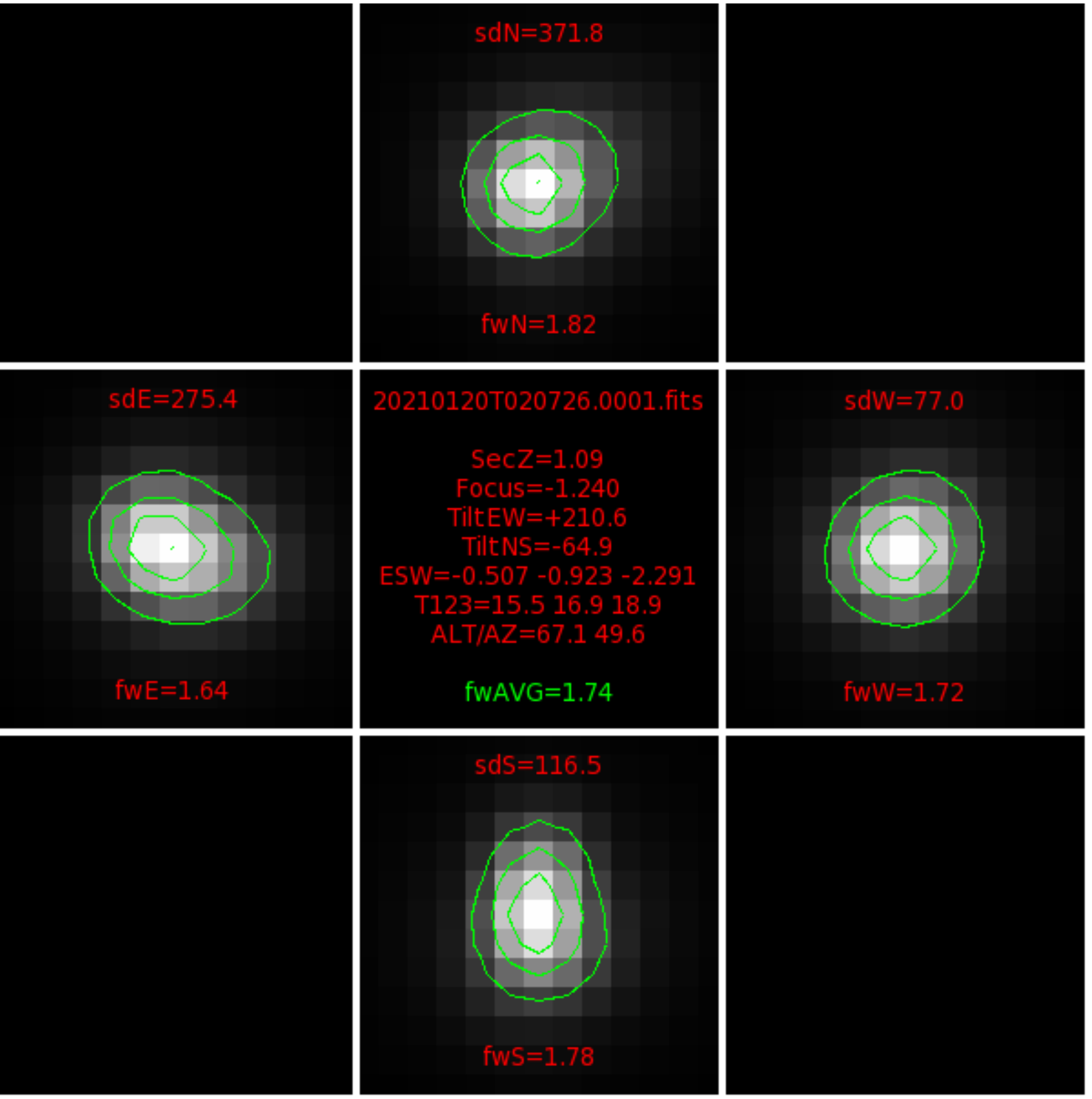

sdN=612.8
fwN=1.85
sdE=438.7
fwE=1.61
20210120T020547.0001.fits
SecZ=1.11
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 16.9 18.9
ALT/AZ=64.7 41.8
fwAVG=1.77
sdW=132.0
fwW=1.74
sdS=197.0
fwS=1.86
0 0 0 0 0 0 0 0 0


sdN=371.8
fwN=1.82
sdE=275.4
fwE=1.64
20210120T020726.0001.fits
SecZ=1.09
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 16.9 18.9
ALT/AZ=67.1 49.6
fwAVG=1.74
sdW=77.0
fwW=1.72
sdS=116.5
fwS=1.78
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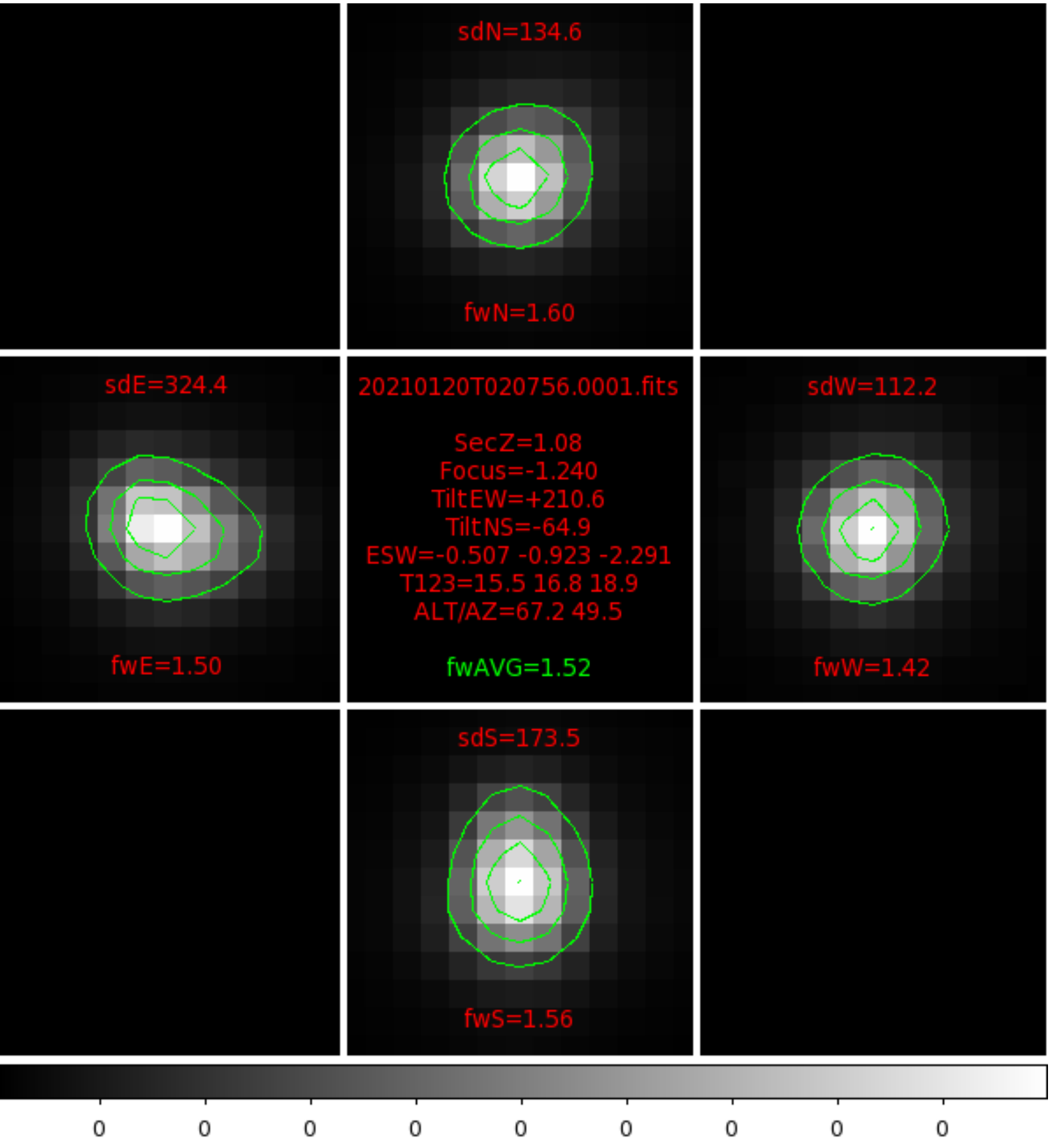
sdN=134.6
fwN=1.60
sdE=324.4
fwE=1.50
20210120T020756.0001.fits
SecZ=1.08
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 16.8 18.9
ALT/AZ=67.2 49.5
fwAVG=1.52
sdW=112.2
fwW=1.42
sdS=173.5
fwS=1.56
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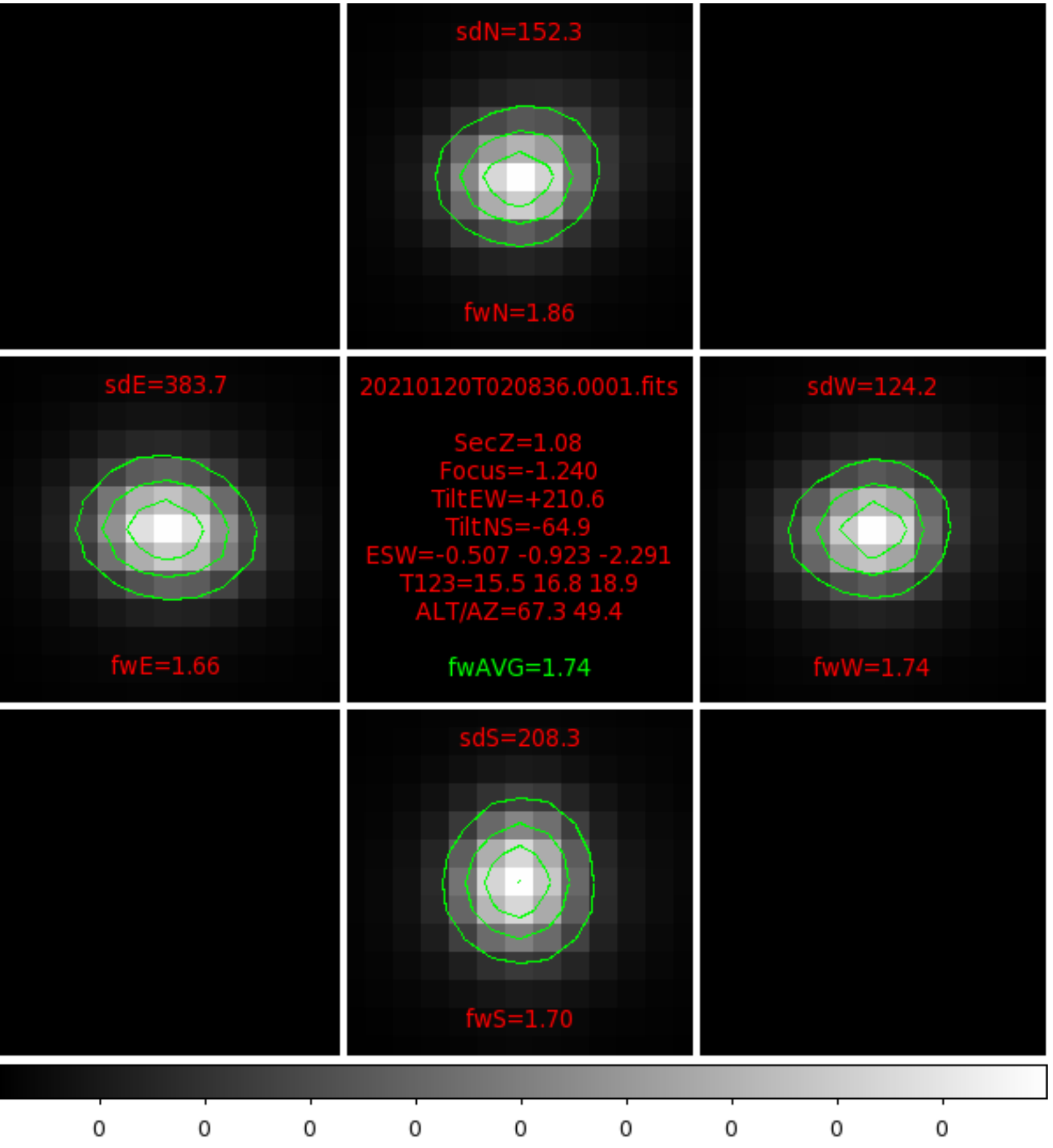
sdN=152.3
fwN=1.86
sdE=383.7
fwE=1.66
20210120T020836.0001.fits
SecZ=1.08
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 16.8 18.9
ALT/AZ=67.3 49.4
fwAVG=1.74
sdW=124.2
fwW=1.74
sdS=208.3
fwS=1.70
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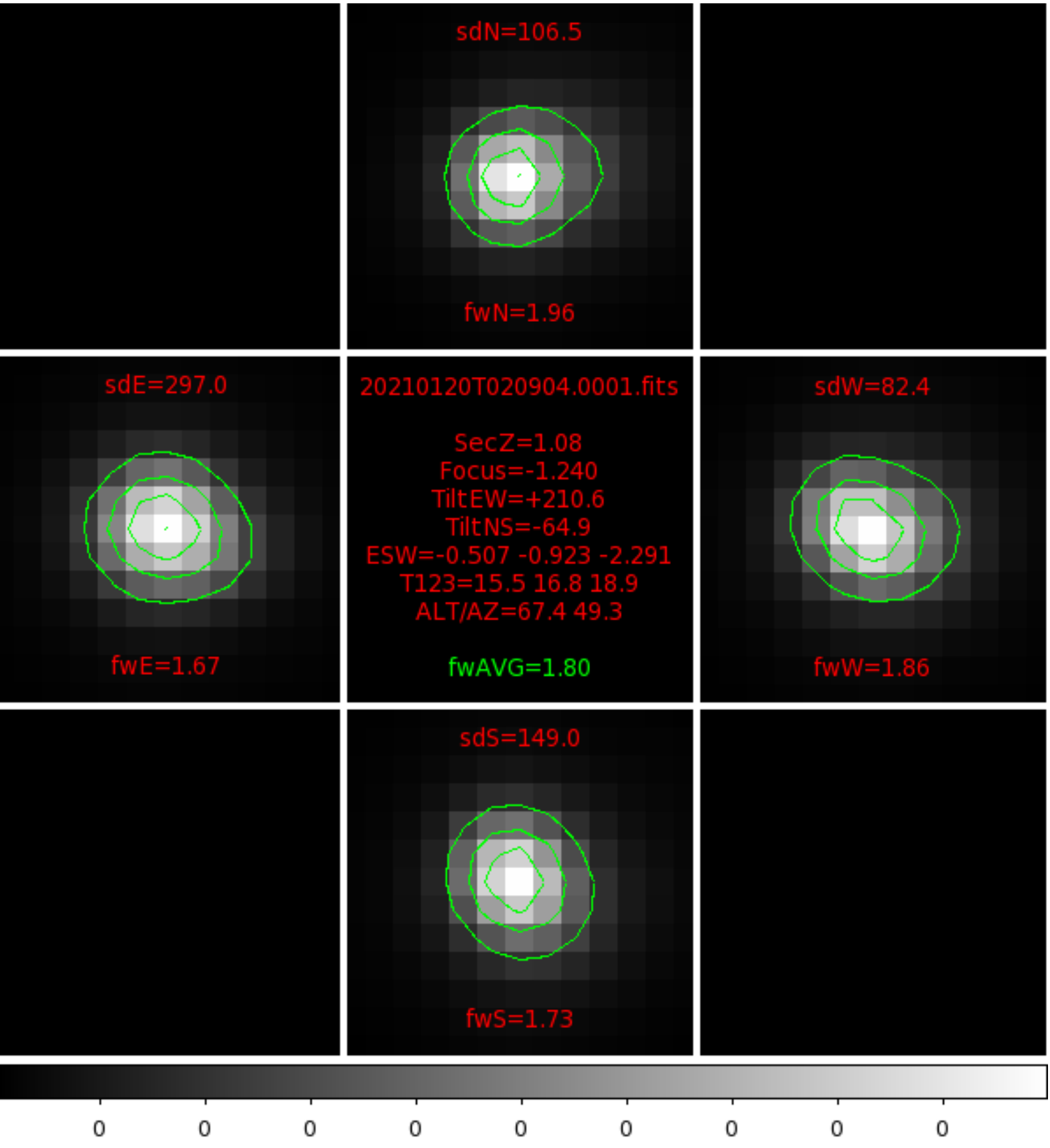
sdN=106.5
fwN=1.96
sdE=297.0
fwE=1.67
20210120T020904.0001.fits
SecZ=1.08
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 16.8 18.9
ALT/AZ=67.4 49.3
fwAVG=1.80
sdW=82.4
fwW=1.86
sdS=149.0
fwS=1.73
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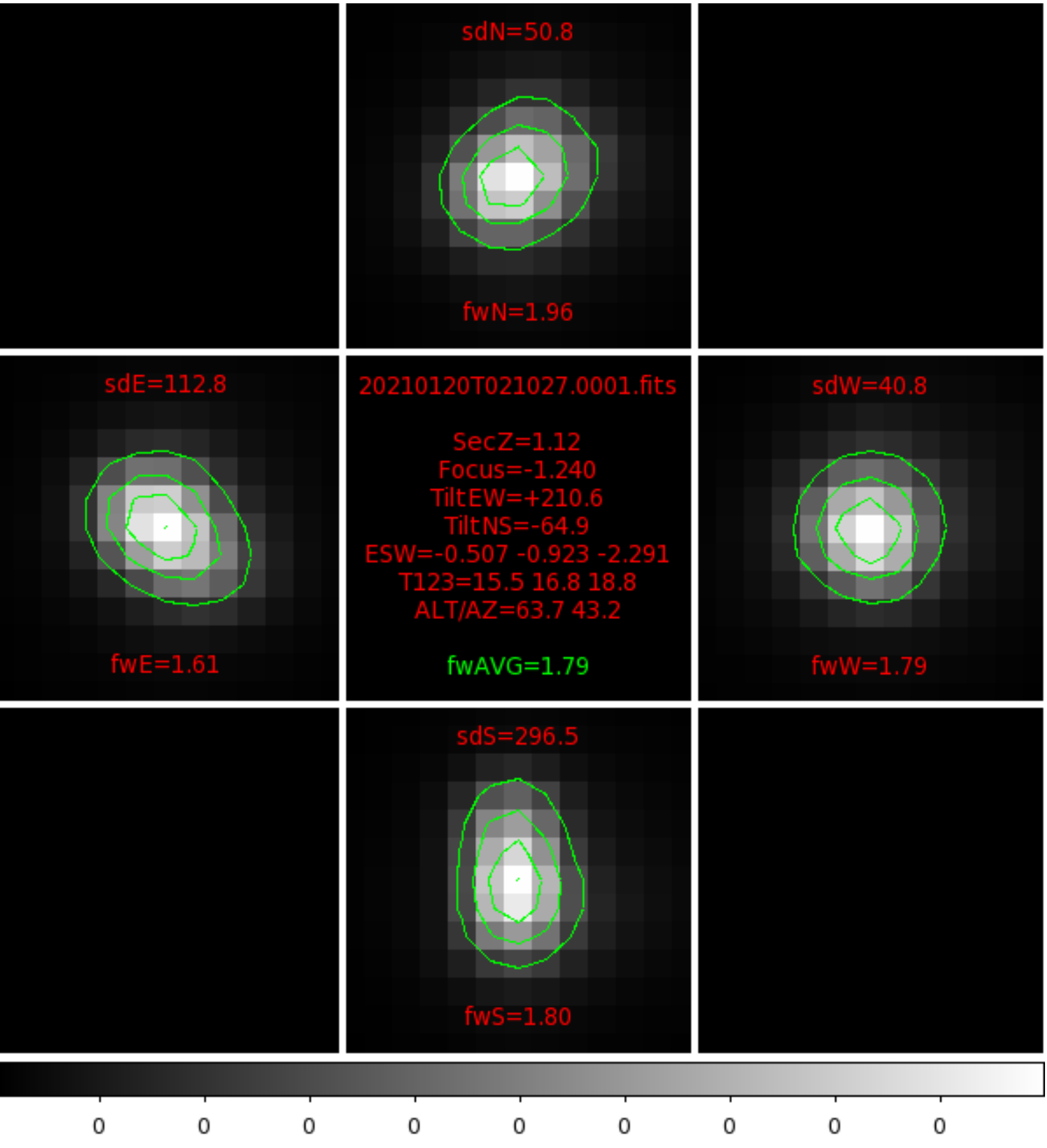
sdN=50.8
fwN=1.96
sdE=112.8
fwE=1.61
20210120T021027.0001.fits
SecZ=1.12
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 16.8 18.8
ALT/AZ=63.7 43.2
fwAVG=1.79
sdW=40.8
fwW=1.79
sdS=296.5
fwS=1.80
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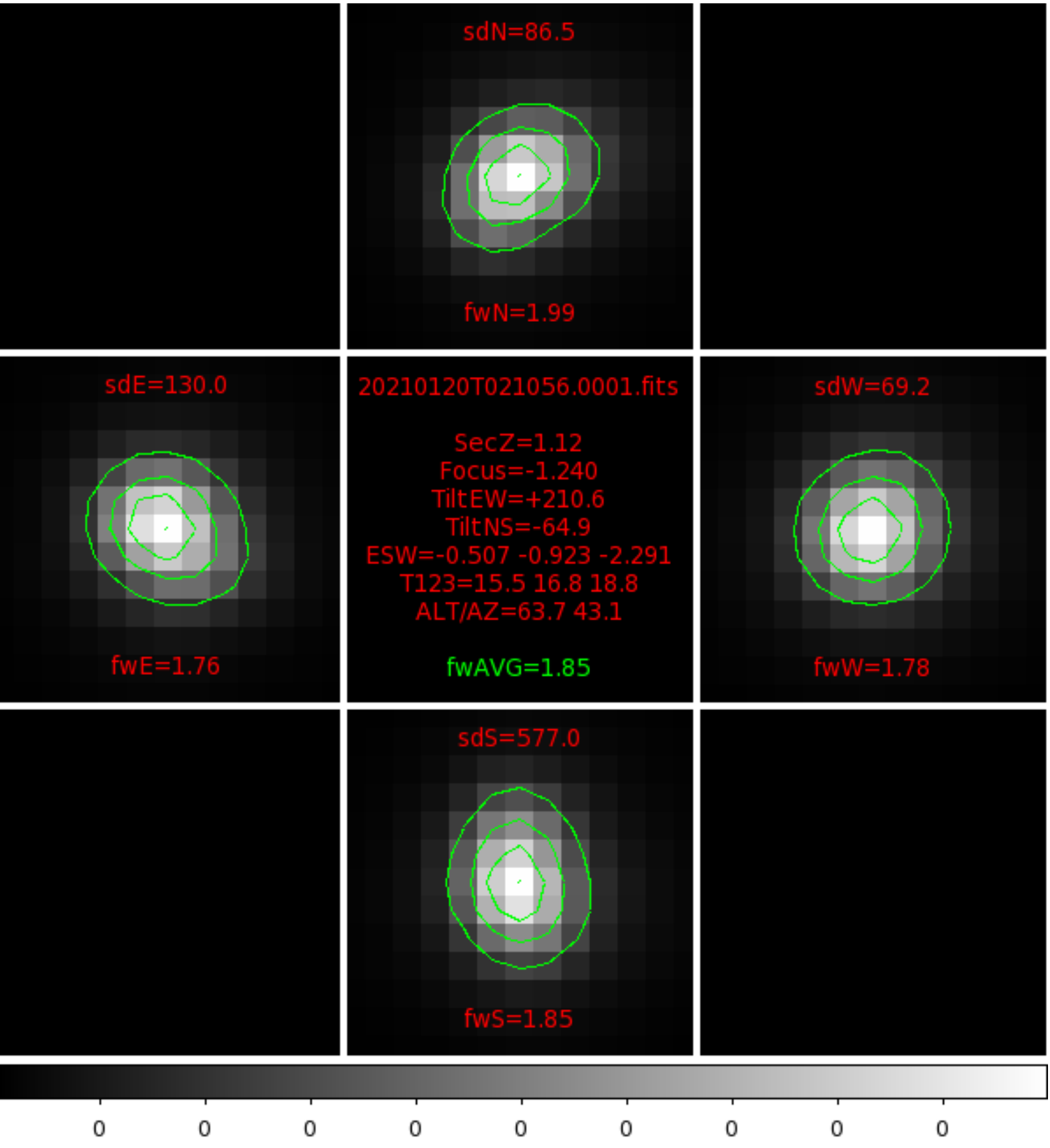
sdN=86.5
fwN=1.99
sdE=130.0
fwE=1.76
20210120T021056.0001.fits
SecZ=1.12
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 16.8 18.8
ALT/AZ=63.7 43.1
fwAVG=1.85
sdW=69.2
fwW=1.78
sdS=577.0
fwS=1.85
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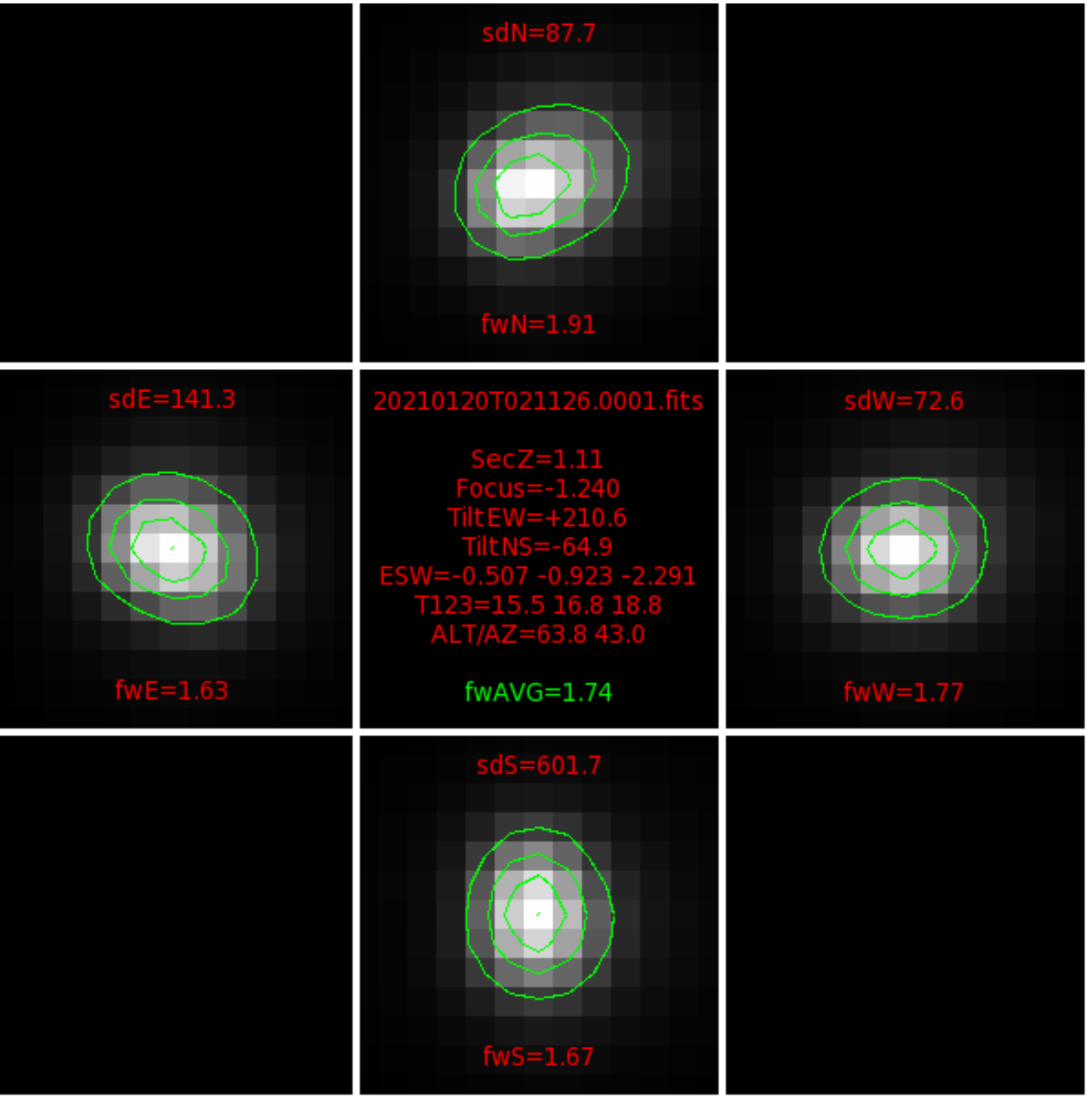
sdN=87.7
fwN=1.91
sdE=141.3
fwE=1.63
20210120T021126.0001.fits
SecZ=1.11
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 16.8 18.8
ALT/AZ=63.8 43.0
fwAVG=1.74
sdW=72.6
fwW=1.77
sdS=601.7
fwS=1.67
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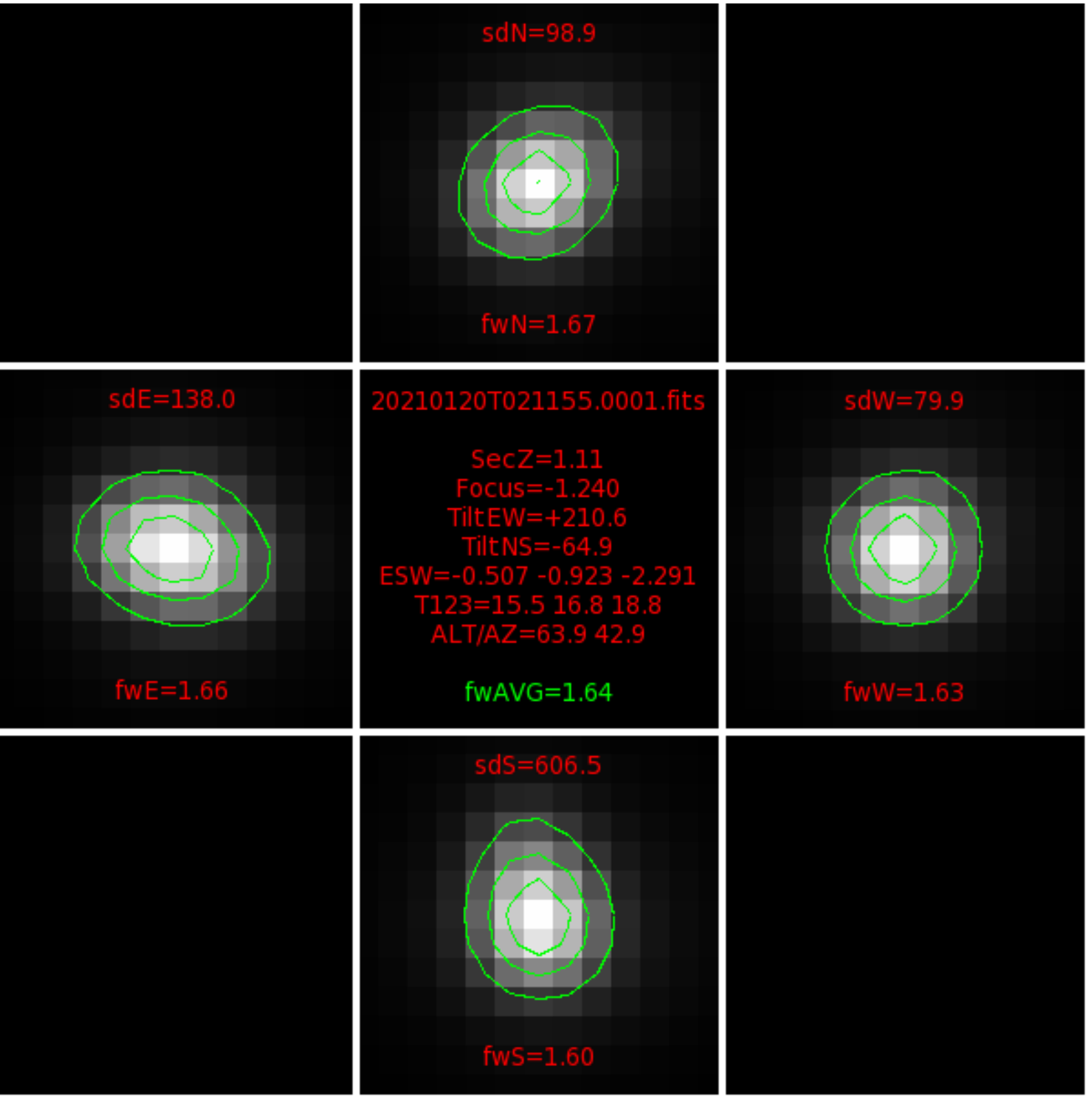
sdN=98.9
fwN=1.67
sdE=138.0
fwE=1.66
20210120T021155.0001.fits
SecZ=1.11
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 16.8 18.8
ALT/AZ=63.9 42.9
fwAVG=1.64
sdW=79.9
fwW=1.63
sdS=606.5
fwS=1.60
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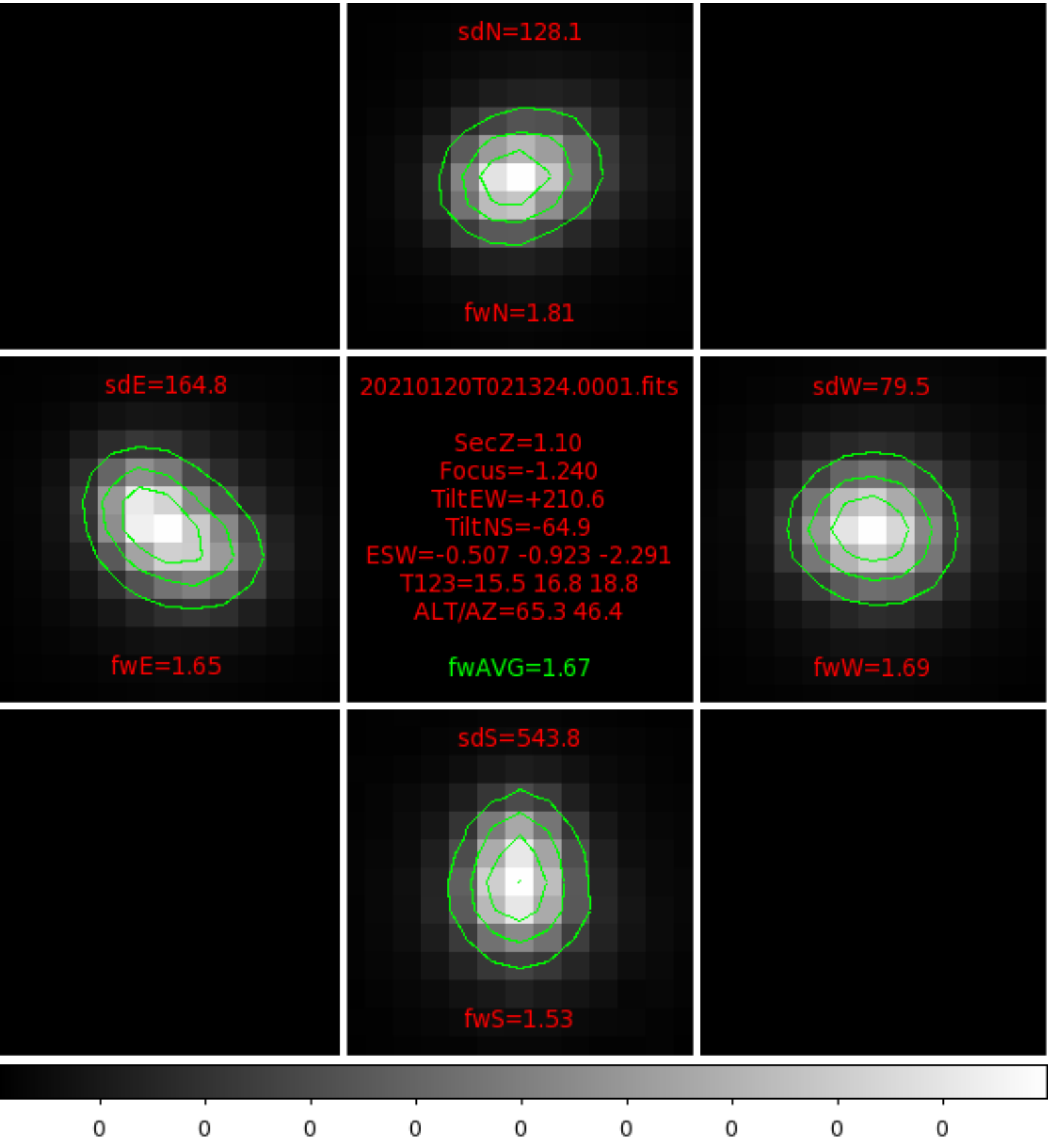
sdN=128.1
fwN=1.81
sdE=164.8
fwE=1.65
20210120T021324.0001.fits
SecZ=1.10
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 16.8 18.8
ALT/AZ=65.3 46.4
fwAVG=1.67
sdW=79.5
fwW=1.69
sdS=543.8
fwS=1.53
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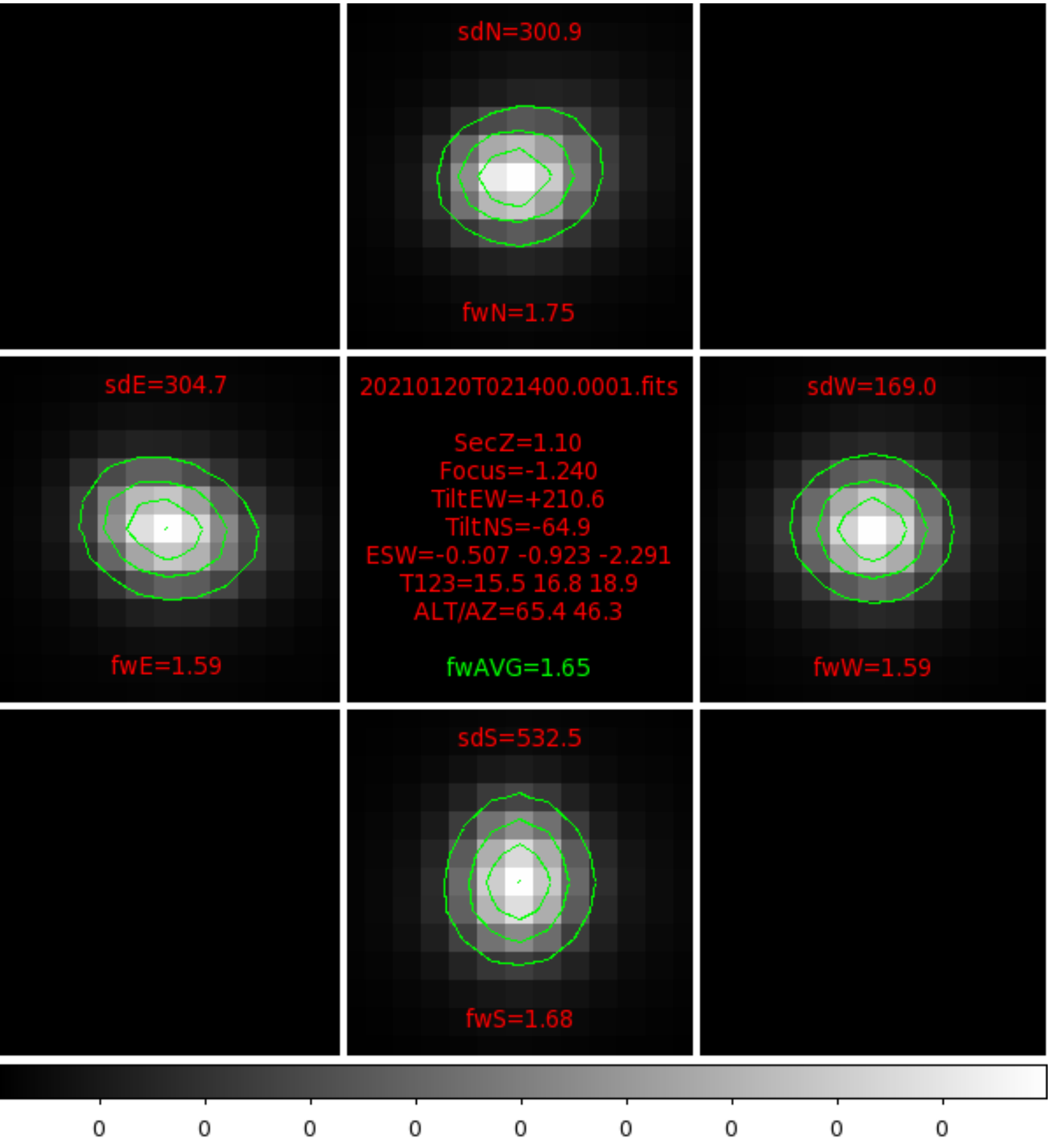
sdN=300.9
fwN=1.75
sdE=304.7
fwE=1.59
20210120T021400.0001.fits
SecZ=1.10
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 16.8 18.9
ALT/AZ=65.4 46.3
fwAVG=1.65
sdW=169.0
fwW=1.59
sdS=532.5
fwS=1.68
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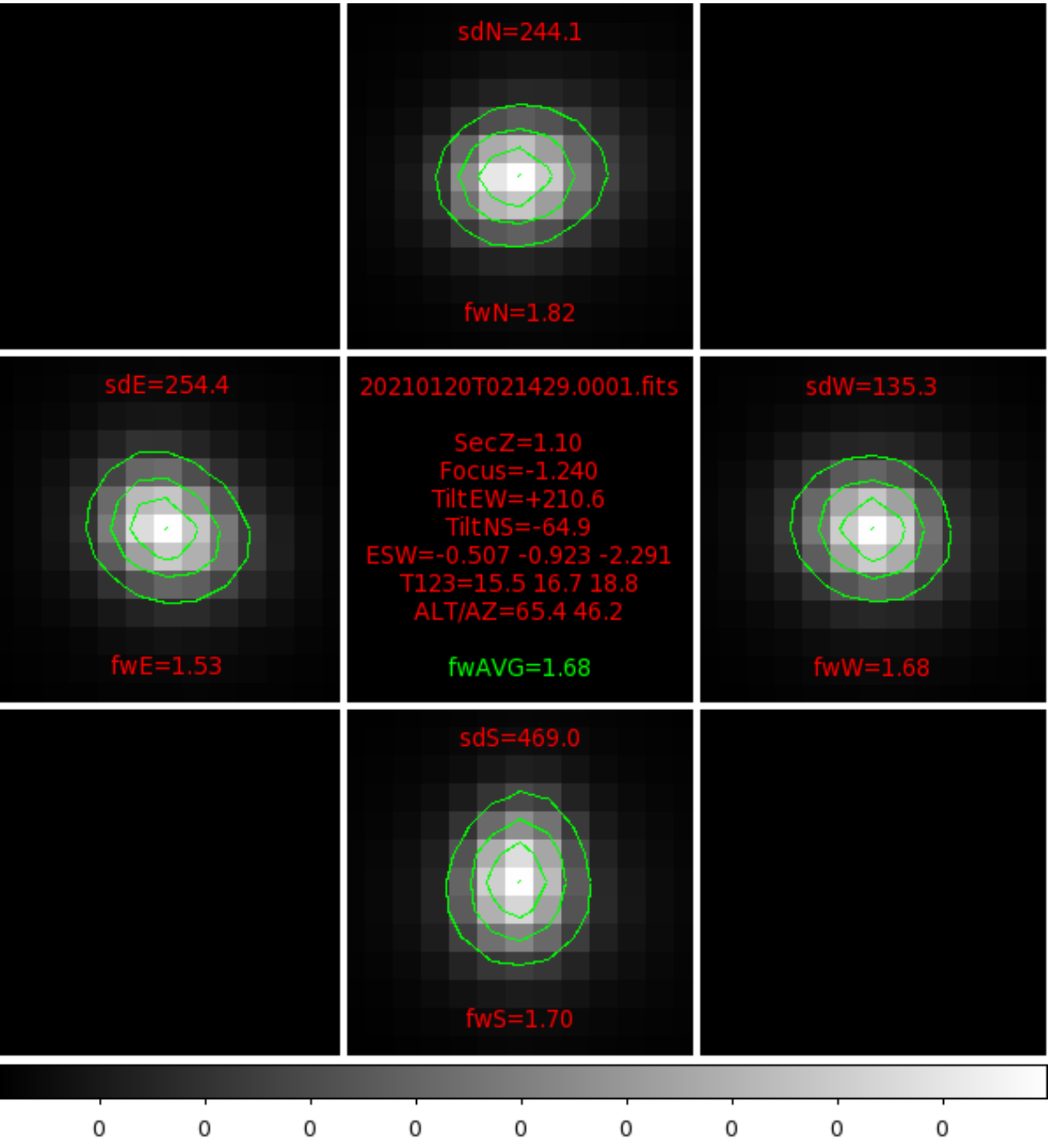
sdN=244.1
fwN=1.82
sdE=254.4
fwE=1.53
20210120T021429.0001.fits
SecZ=1.10
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 16.7 18.8
ALT/AZ=65.4 46.2
fwAVG=1.68
sdW=135.3
fwW=1.68
sdS=469.0
fwS=1.70
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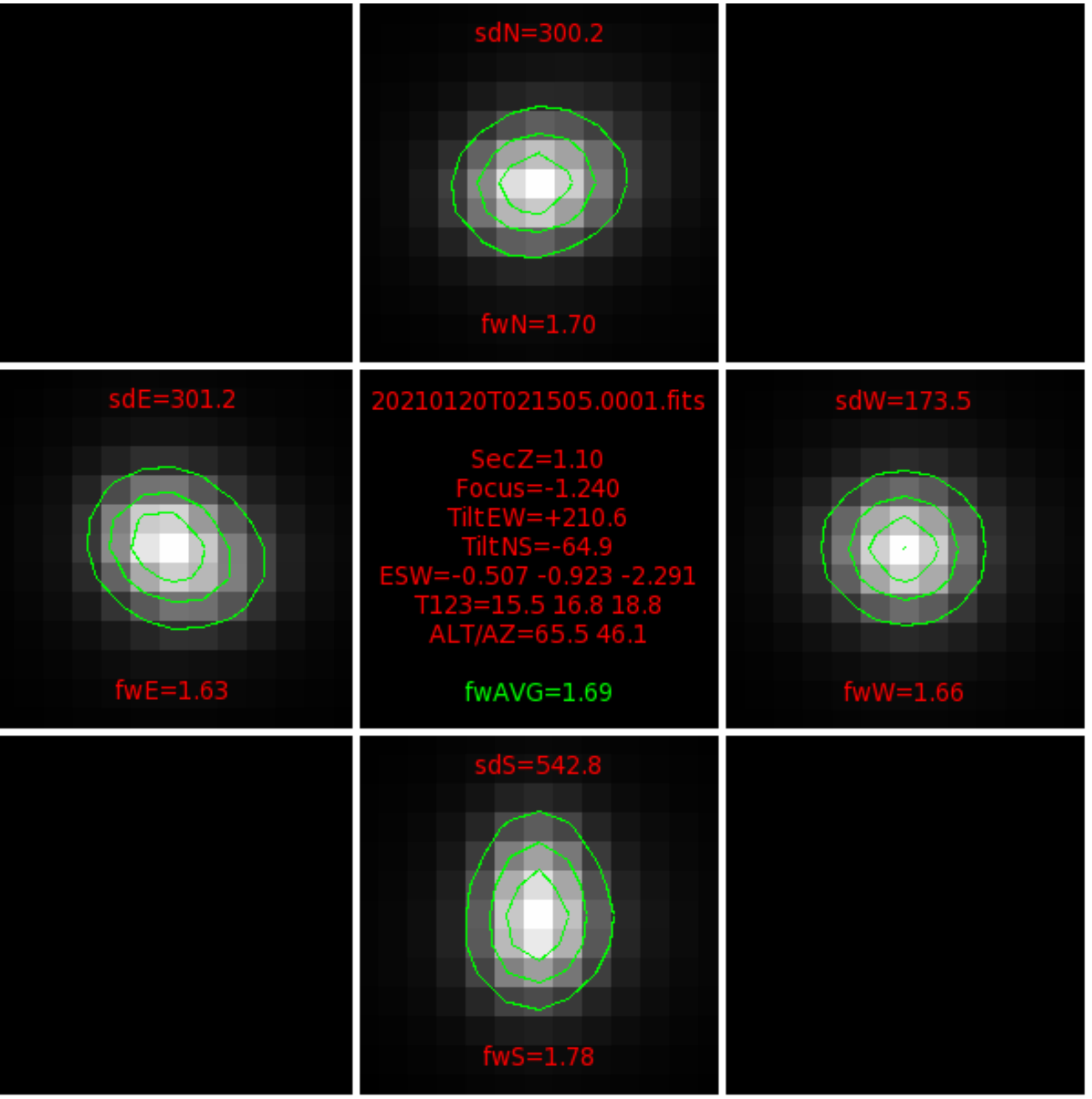
sdN=300.2
fwN=1.70
sdE=301.2
fwE=1.63
20210120T021505.0001.fits
SecZ=1.10
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 16.8 18.8
ALT/AZ=65.5 46.1
fwAVG=1.69
sdW=173.5
fwW=1.66
sdS=542.8
fwS=1.78
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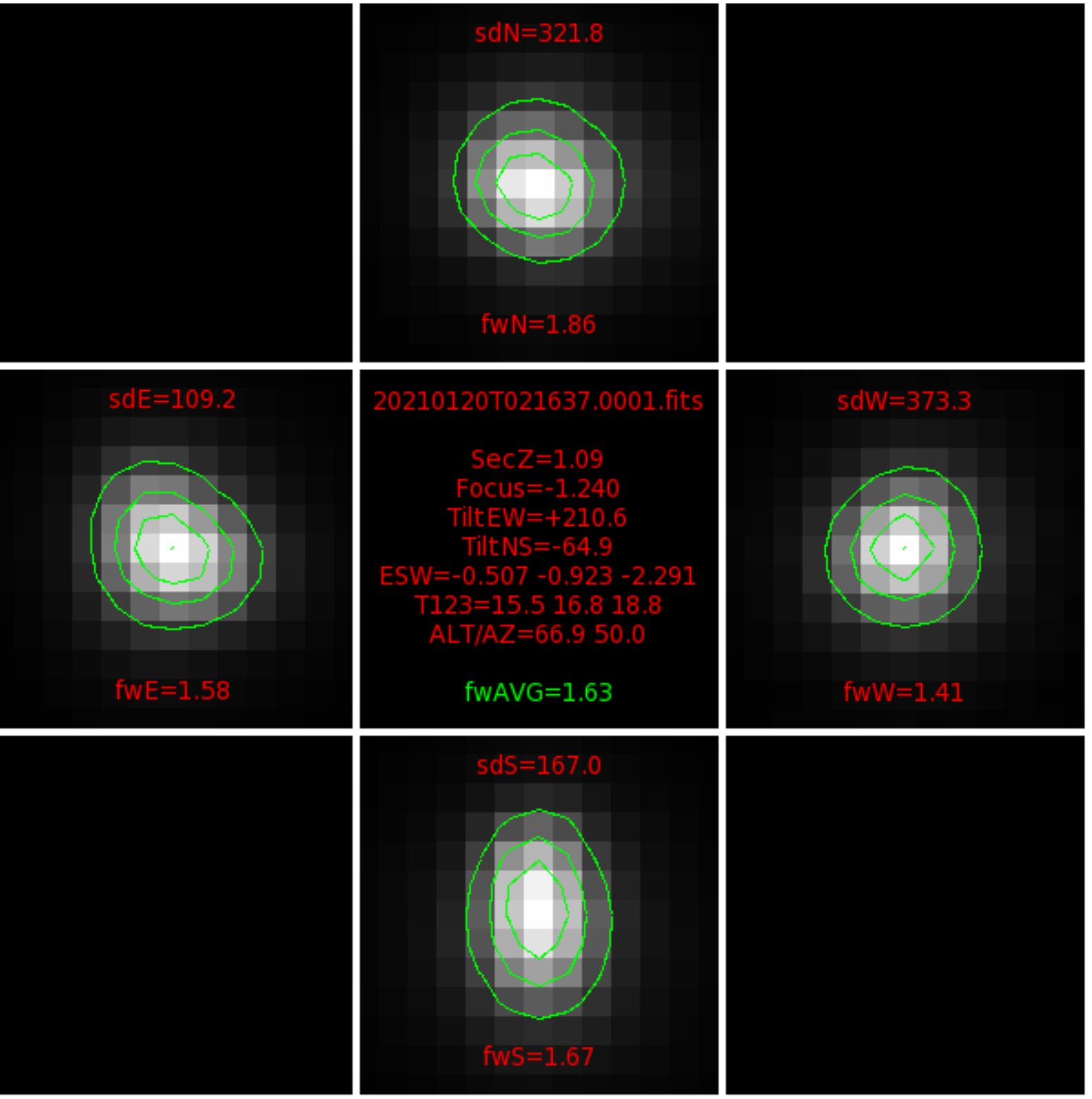
sdN=321.8
fwN=1.86
sdE=109.2
fwE=1.58
20210120T021637.0001.fits
SecZ=1.09
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 16.8 18.8
ALT/AZ=66.9 50.0
fwAVG=1.63
sdW=373.3
fwW=1.41
sdS=167.0
fwS=1.67
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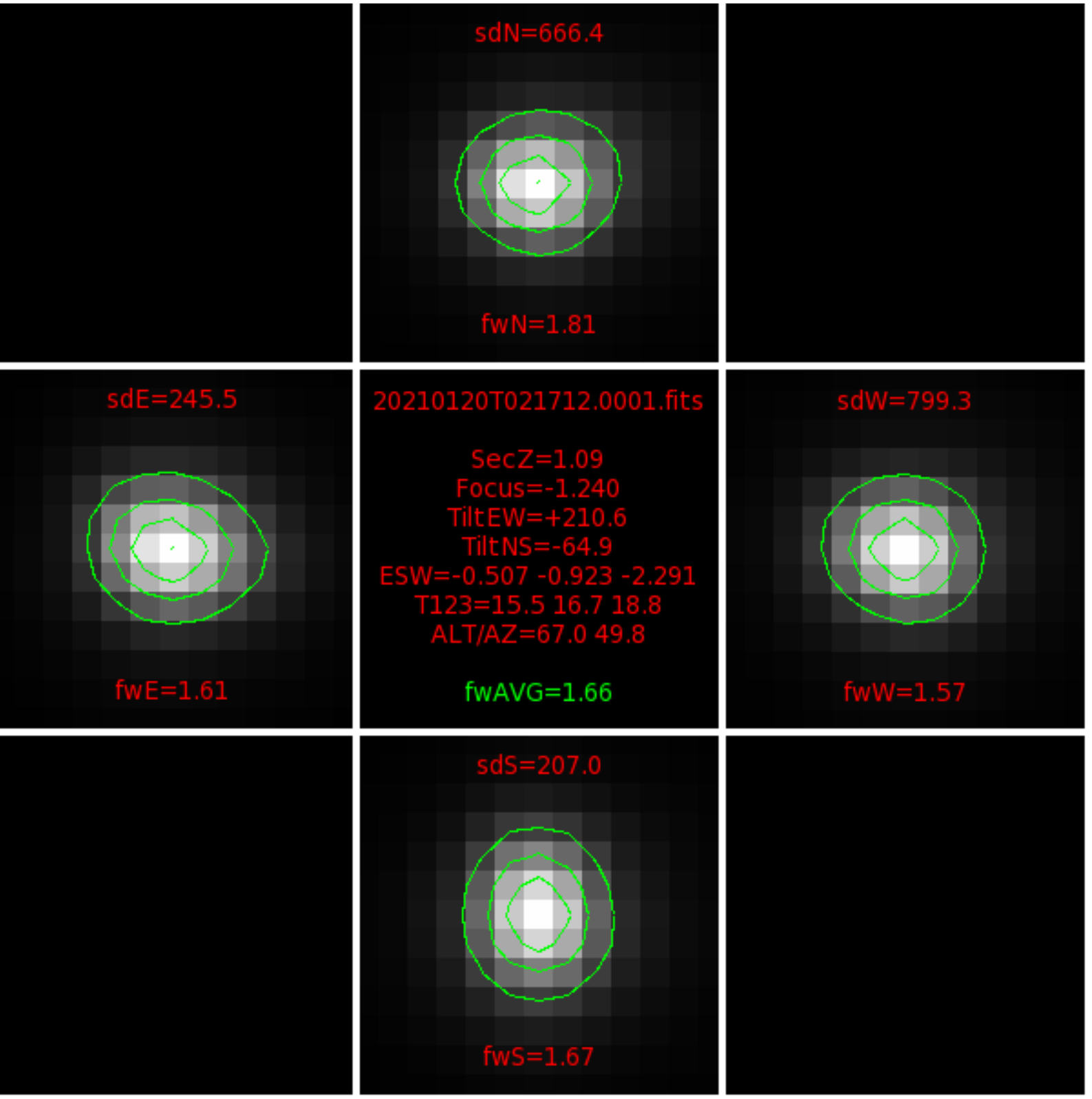
sdN=666.4
fwN=1.81
sdE=245.5
fwE=1.61
20210120T021712.0001.fits
SecZ=1.09
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 16.7 18.8
ALT/AZ=67.0 49.8
fwAVG=1.66
sdW=799.3
fwW=1.57
sdS=207.0
fwS=1.67
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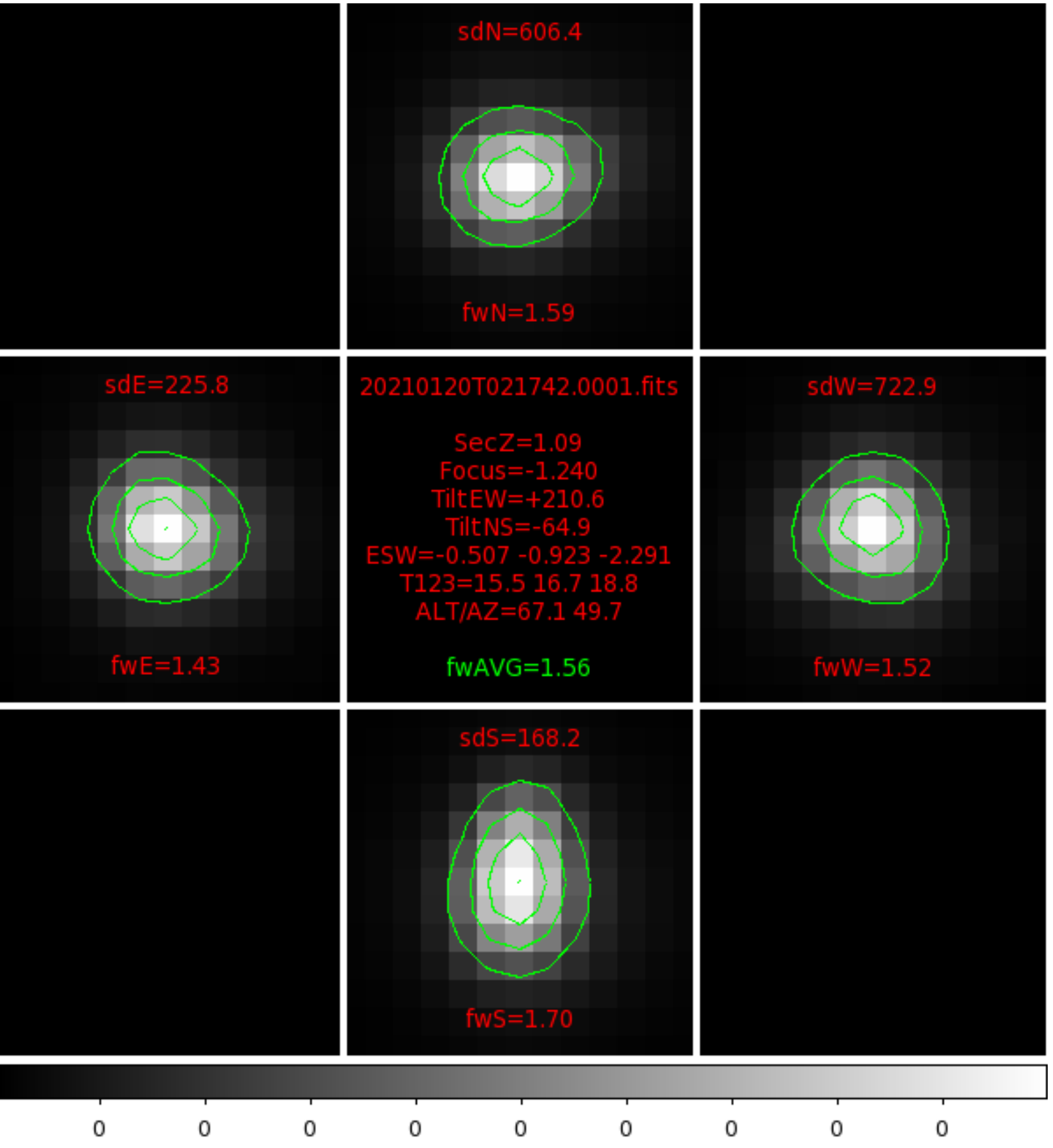
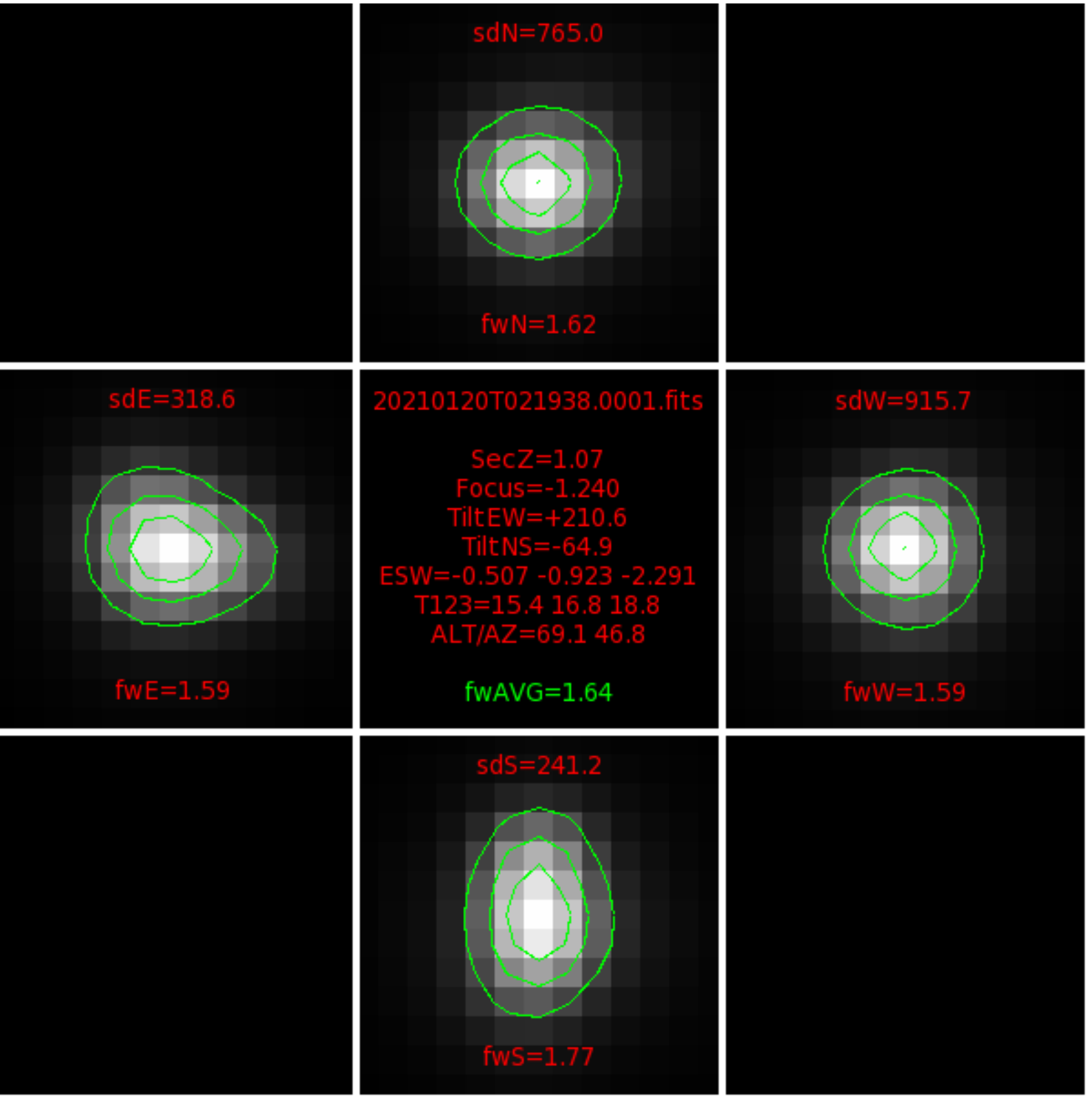

sdN=606.4
fwN=1.59
sdE=225.8
fwE=1.43
20210120T021742.0001.fits
SecZ=1.09
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 16.7 18.8
ALT/AZ=67.1 49.7
fwAVG=1.56
sdW=722.9
fwW=1.52
sdS=168.2
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=765.0
fwN=1.62
sdE=318.6
fwE=1.59
20210120T021938.0001.fits
SecZ=1.07
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.4 16.8 18.8
ALT/AZ=69.1 46.8
fwAVG=1.64
sdW=915.7
fwW=1.59
sdS=241.2
fwS=1.77
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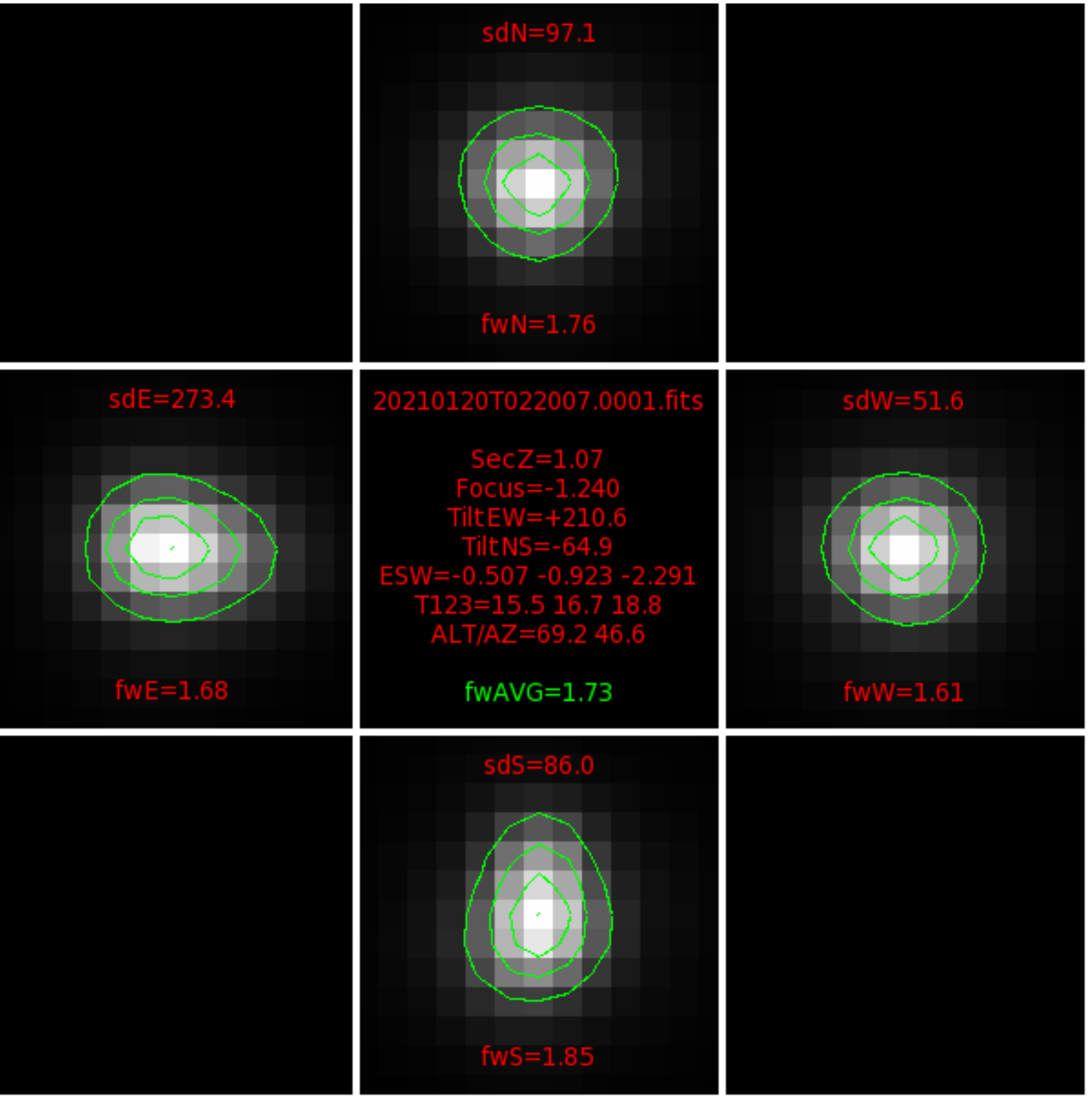
sdN=97.1
fwN=1.76
sdE=273.4
fwE=1.68
20210120T022007.0001.fits
SecZ=1.07
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.5 16.7 18.8
ALT/AZ=69.2 46.6
fwAVG=1.73
sdW=51.6
fwW=1.61
sdS=86.0
fwS=1.85
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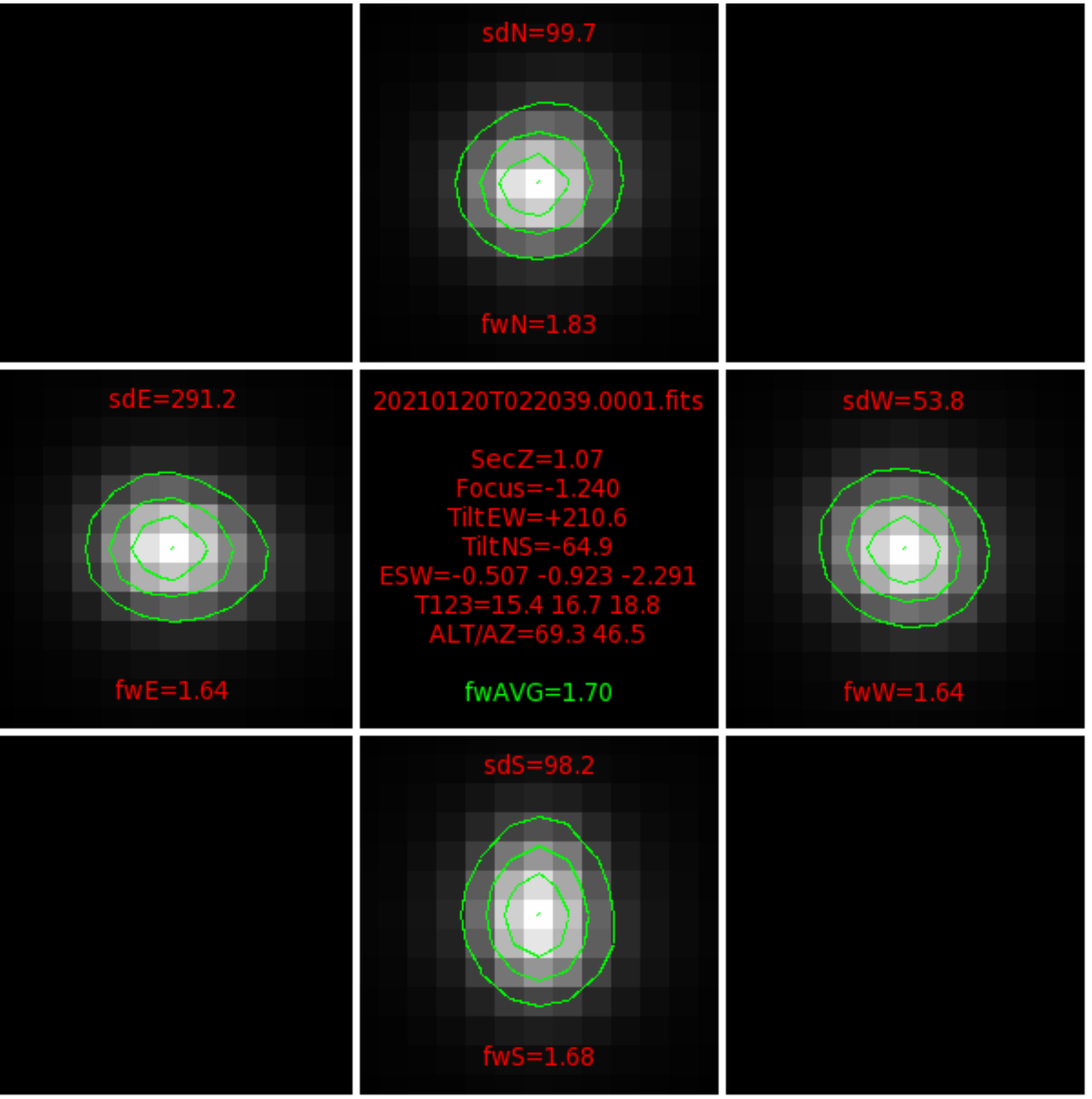
sdN=99.7
fwN=1.83
sdE=291.2
fwE=1.64
20210120T022039.0001.fits
SecZ=1.07
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.4 16.7 18.8
ALT/AZ=69.3 46.5
fwAVG=1.70
sdW=53.8
fwW=1.64
sdS=98.2
fwS=1.68
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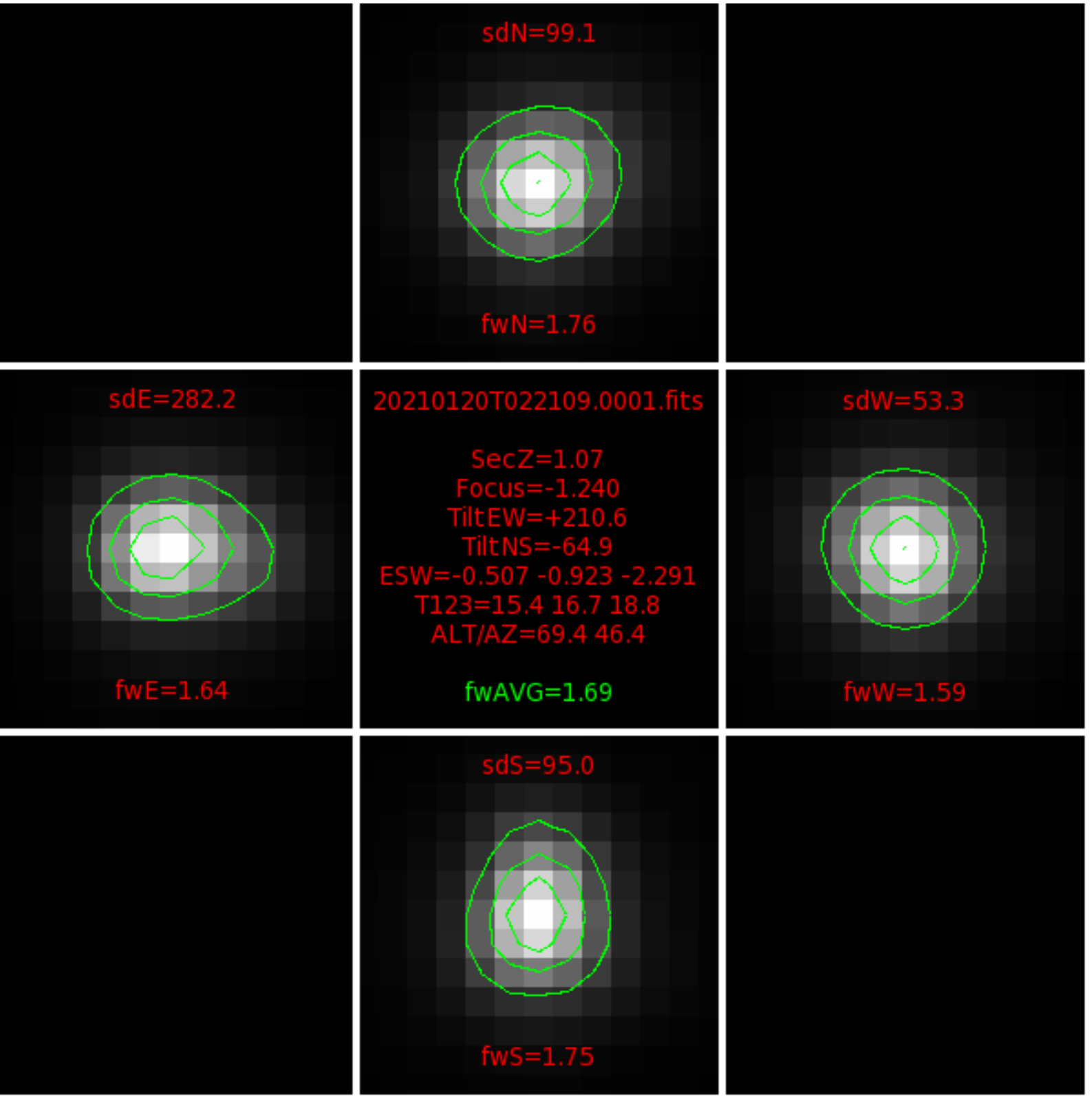
sdN=99.1
fwN=1.76
sdE=282.2
fwE=1.64
20210120T022109.0001.fits
SecZ=1.07
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.4 16.7 18.8
ALT/AZ=69.4 46.4
fwAVG=1.69
sdW=53.3
fwW=1.59
sdS=95.0
fwS=1.75
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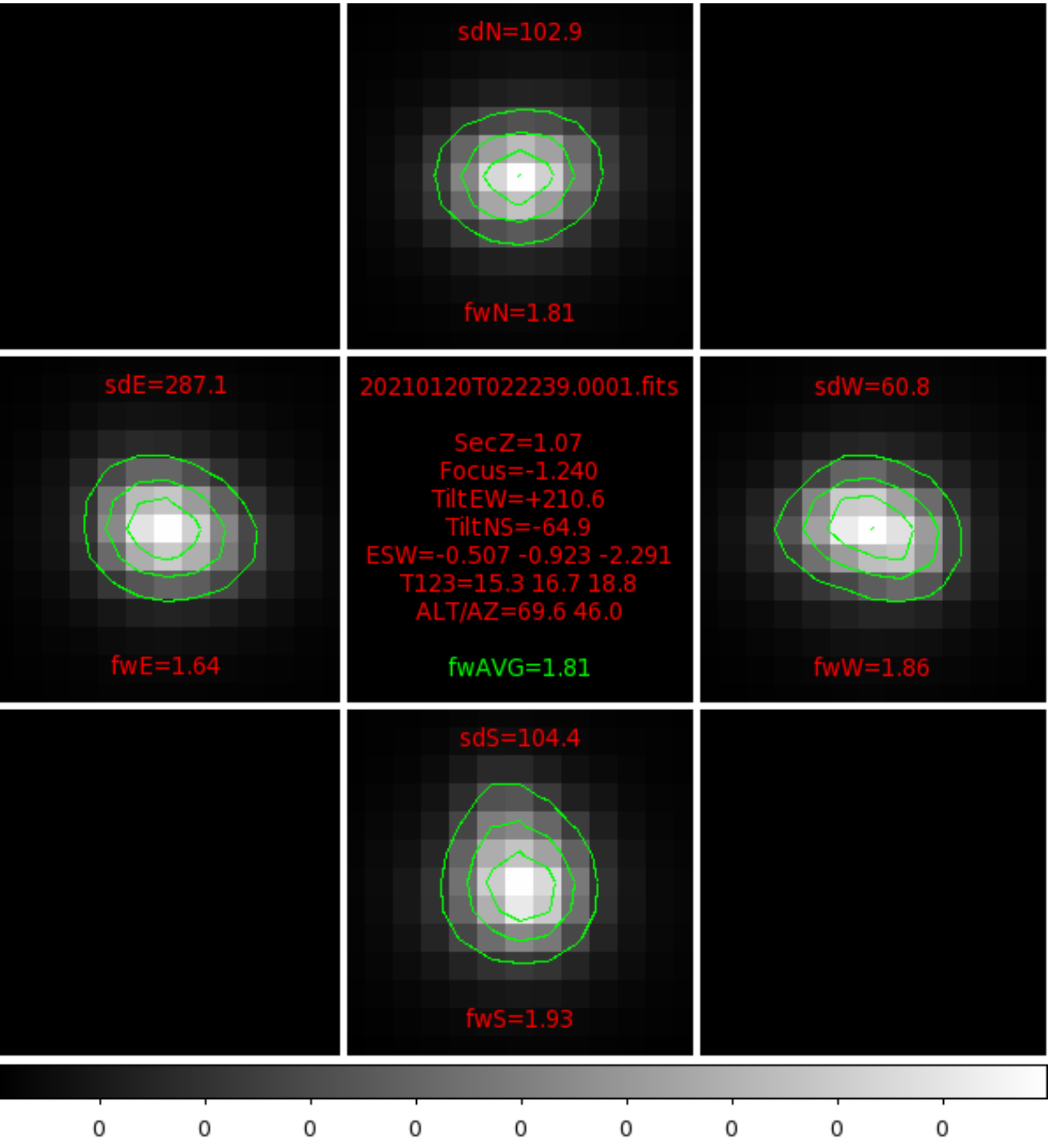
sdN=102.9
fwN=1.81
sdE=287.1
fwE=1.64
20210120T022239.0001.fits
SecZ=1.07
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.3 16.7 18.8
ALT/AZ=69.6 46.0
fwAVG=1.81
sdW=60.8
fwW=1.86
sdS=104.4
fwS=1.93
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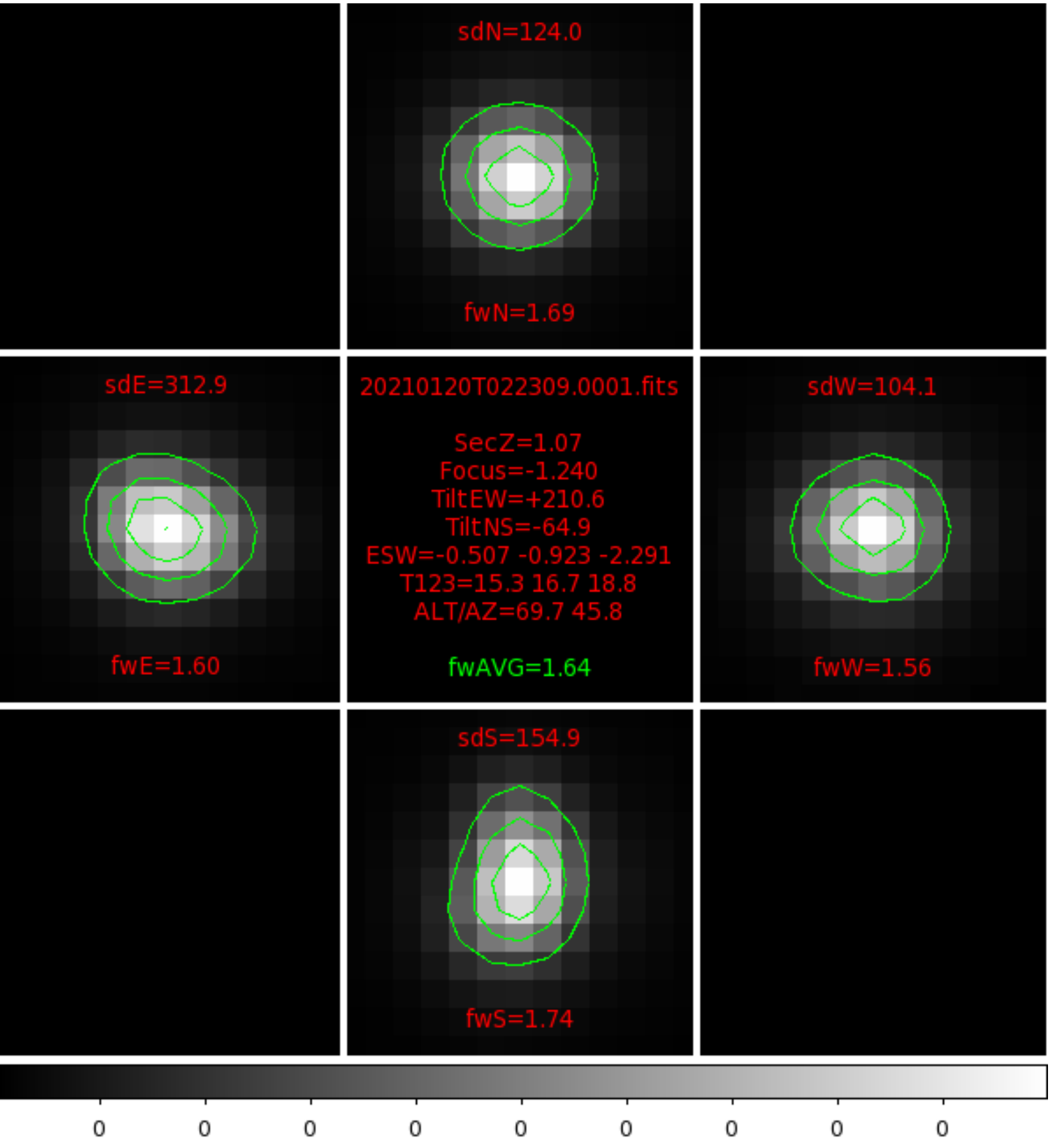
sdN=124.0
fwN=1.69
sdE=312.9
fwE=1.60
20210120T022309.0001.fits
SecZ=1.07
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.3 16.7 18.8
ALT/AZ=69.7 45.8
fwAVG=1.64
sdW=104.1
fwW=1.56
sdS=154.9
fwS=1.74
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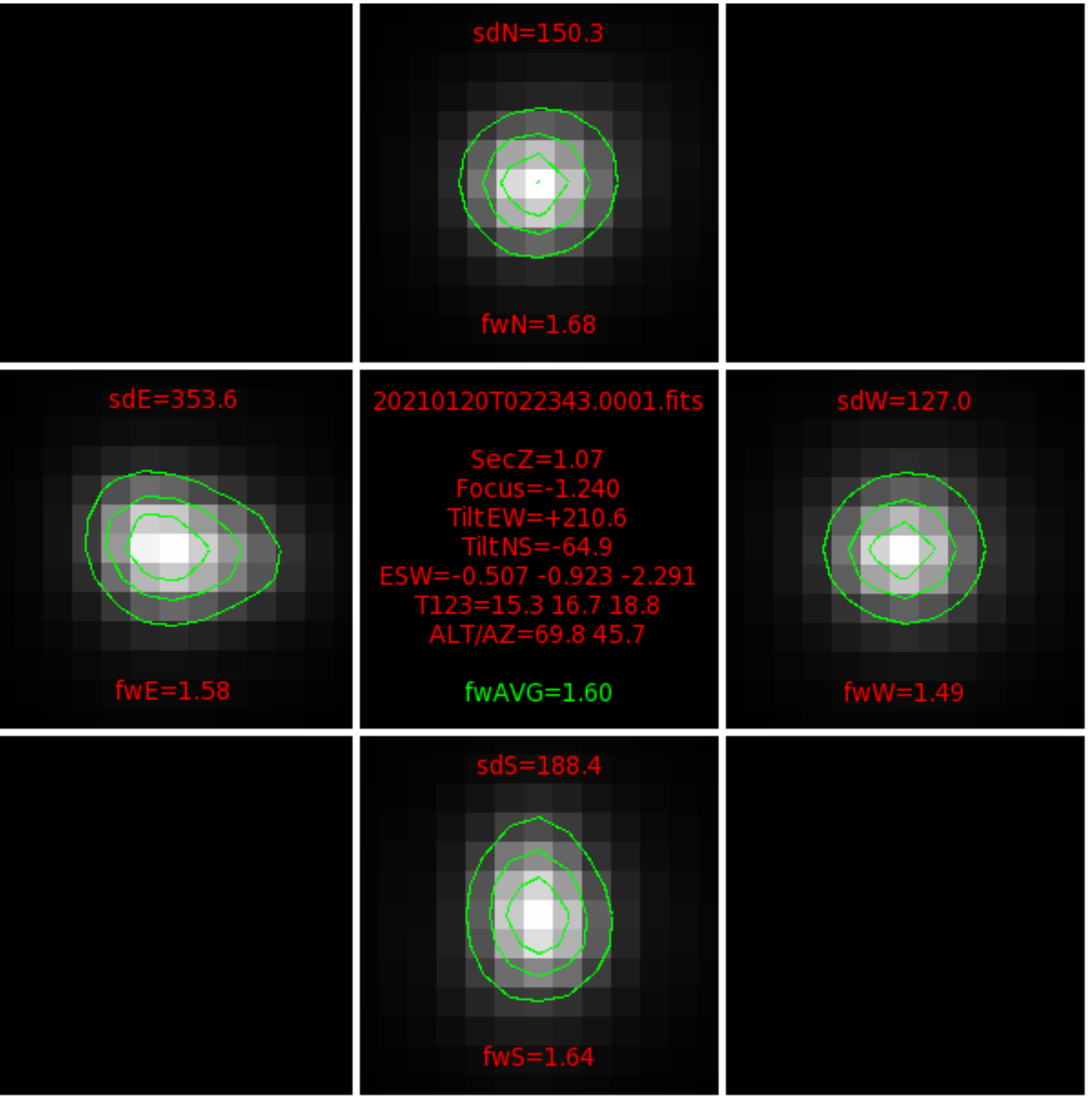
sdN=150.3
fwN=1.68
sdE=353.6
fwE=1.58
20210120T022343.0001.fits
SecZ=1.07
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.3 16.7 18.8
ALT/AZ=69.8 45.7
fwAVG=1.60
sdW=127.0
fwW=1.49
sdS=188.4
fwS=1.64
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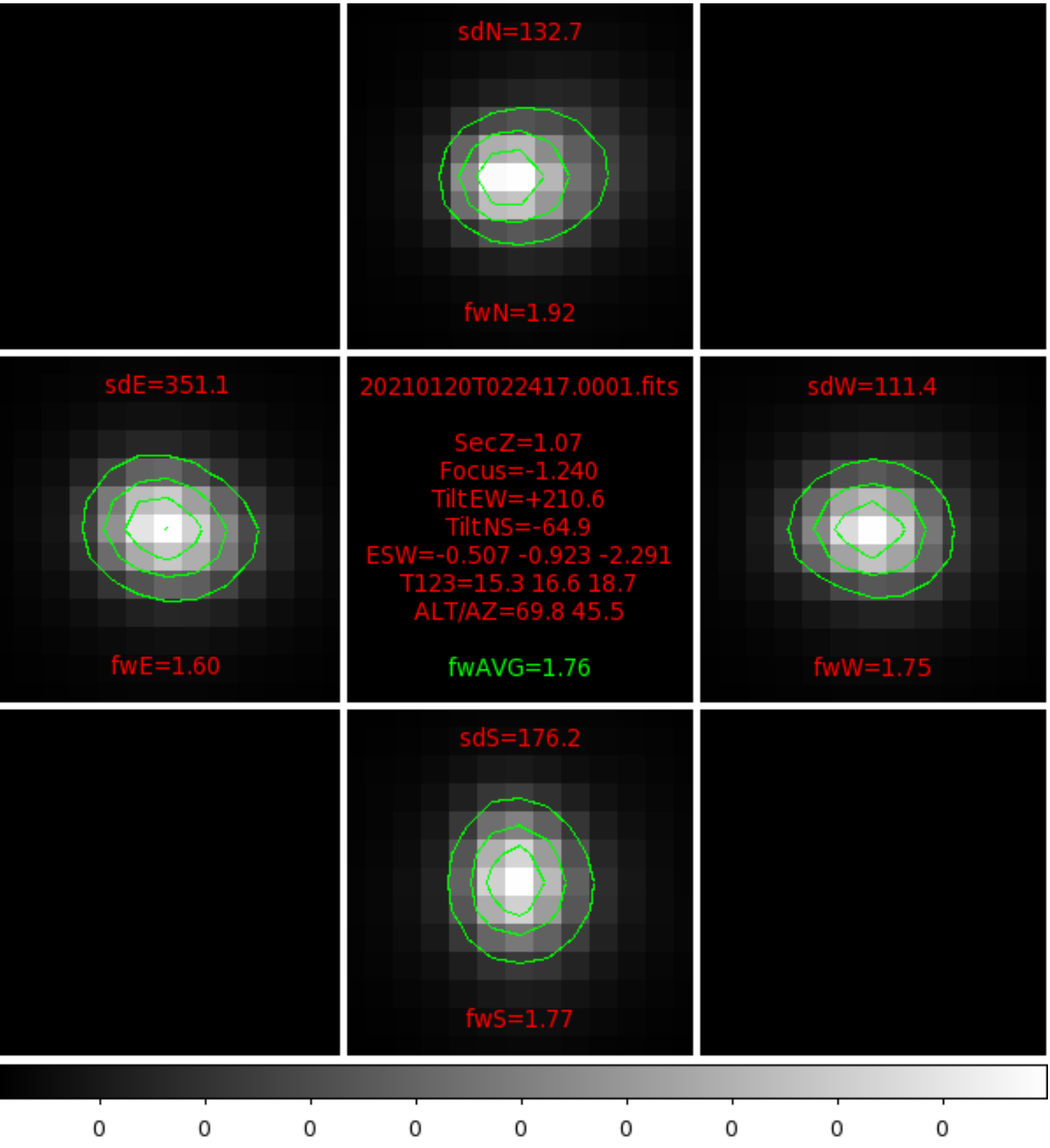
sdN=132.7
fwN=1.92
sdE=351.1
fwE=1.60
20210120T022417.0001.fits
SecZ=1.07
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.3 16.6 18.7
ALT/AZ=69.8 45.5
fwAVG=1.76
sdW=111.4
fwW=1.75
sdS=176.2
fwS=1.77
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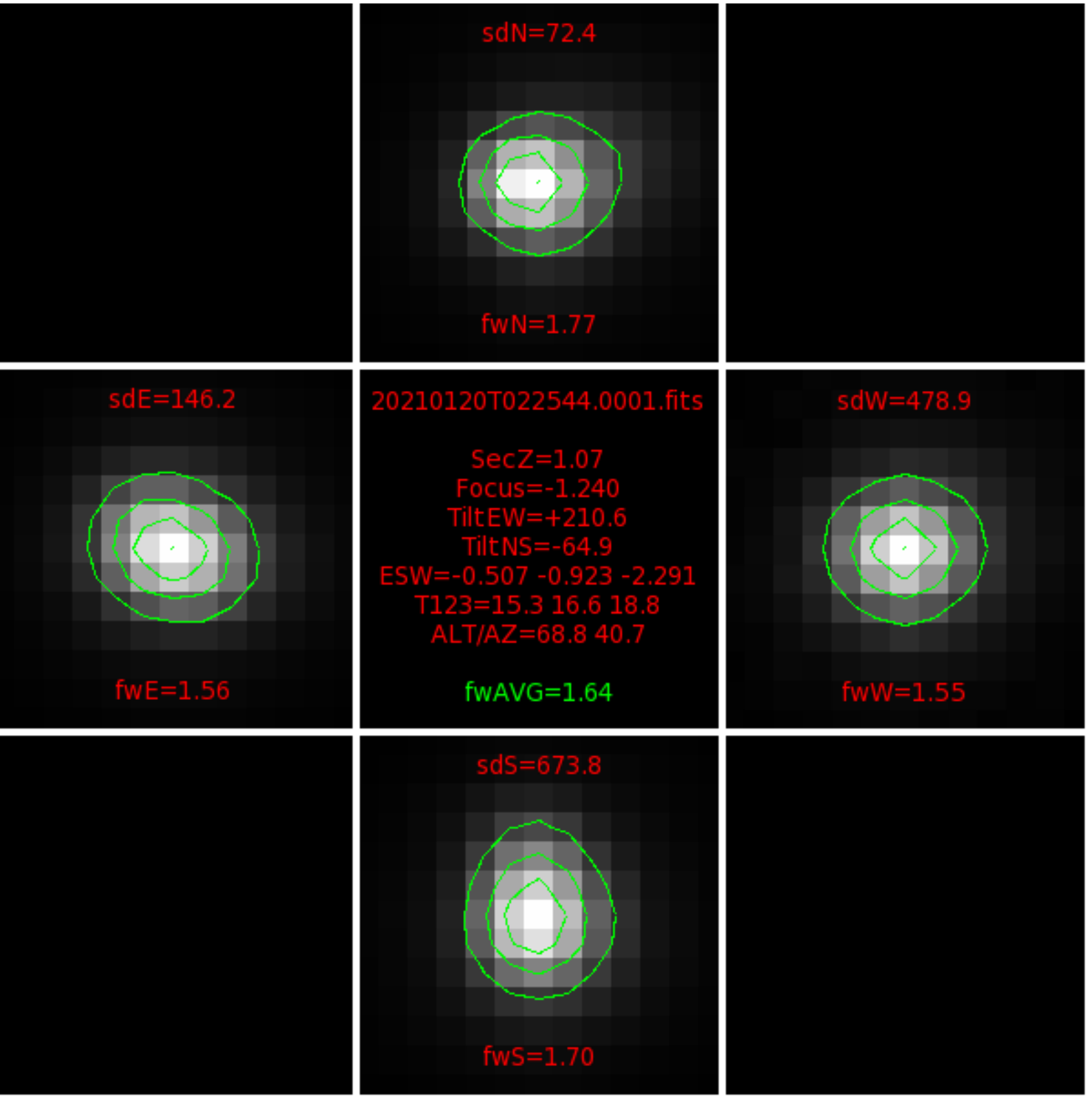
sdN=72.4
fwN=1.77
sdE=146.2
fwE=1.56
20210120T022544.0001.fits
SecZ=1.07
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.3 16.6 18.8
ALT/AZ=68.8 40.7
fwAVG=1.64
sdW=478.9
fwW=1.55
sdS=673.8
fwS=1.70
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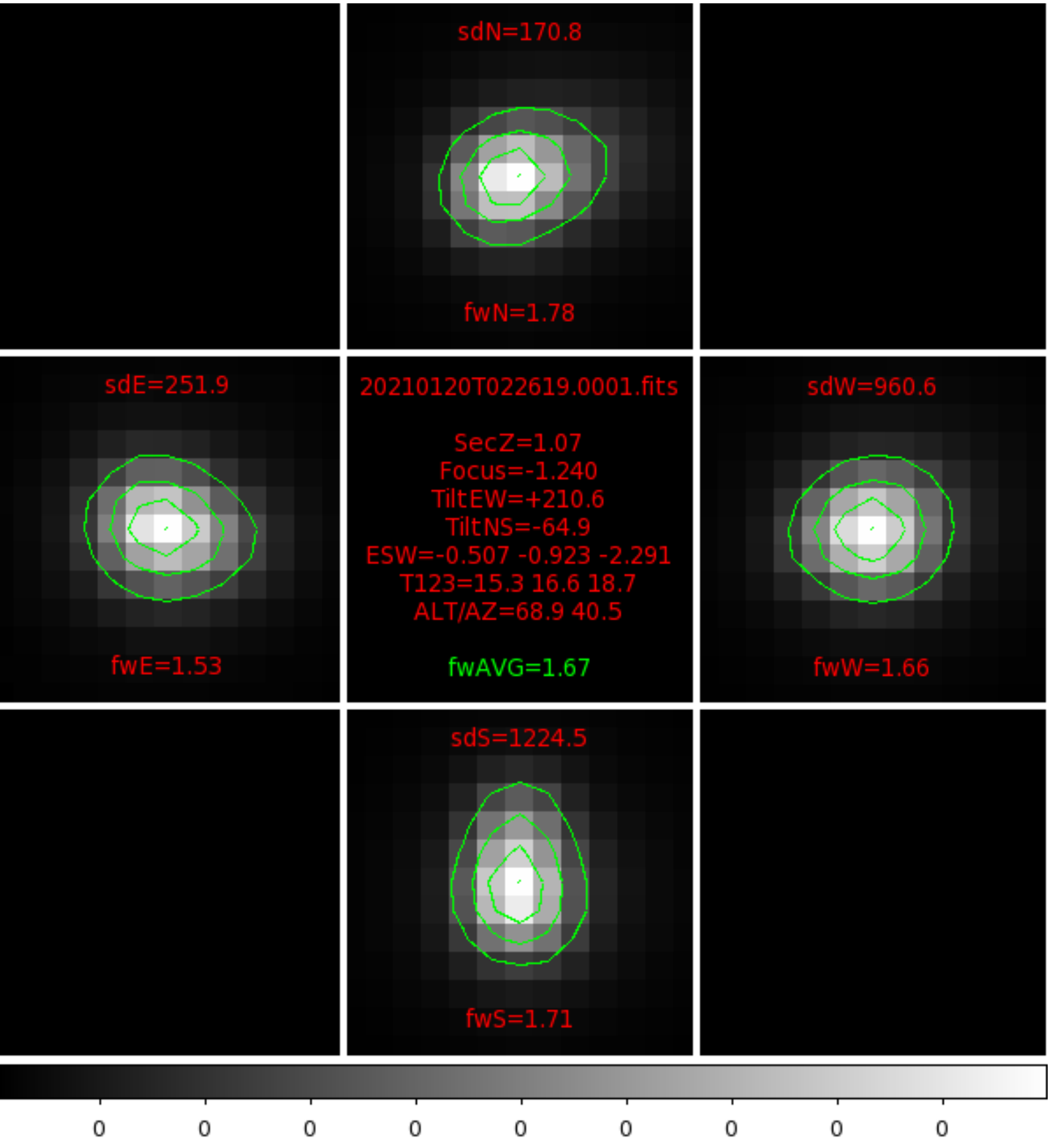
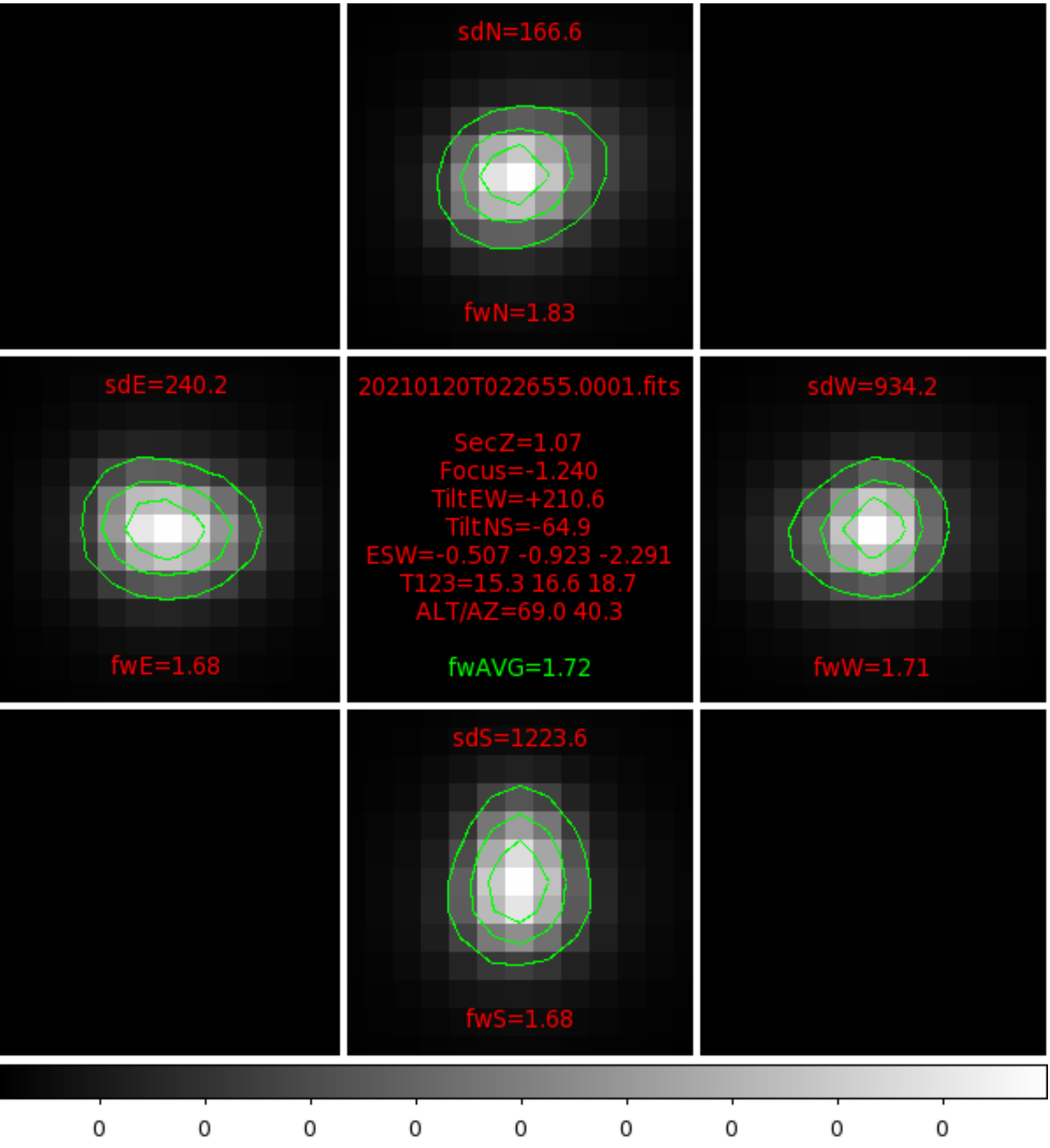

sdN=170.8
fwN=1.78
sdE=251.9
fwE=1.53
20210120T022619.0001.fits
SecZ=1.07
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.3 16.6 18.7
ALT/AZ=68.9 40.5
fwAVG=1.67
sdW=960.6
fwW=1.66
sdS=1224.5
fwS=1.71
0 0 0 0 0 0 0 0 0


sdN=166.6
fwN=1.83
sdE=240.2
fwE=1.68
20210120T022655.0001.fits
SecZ=1.07
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.3 16.6 18.7
ALT/AZ=69.0 40.3
fwAVG=1.72
sdW=934.2
fwW=1.71
sdS=1223.6
fwS=1.68
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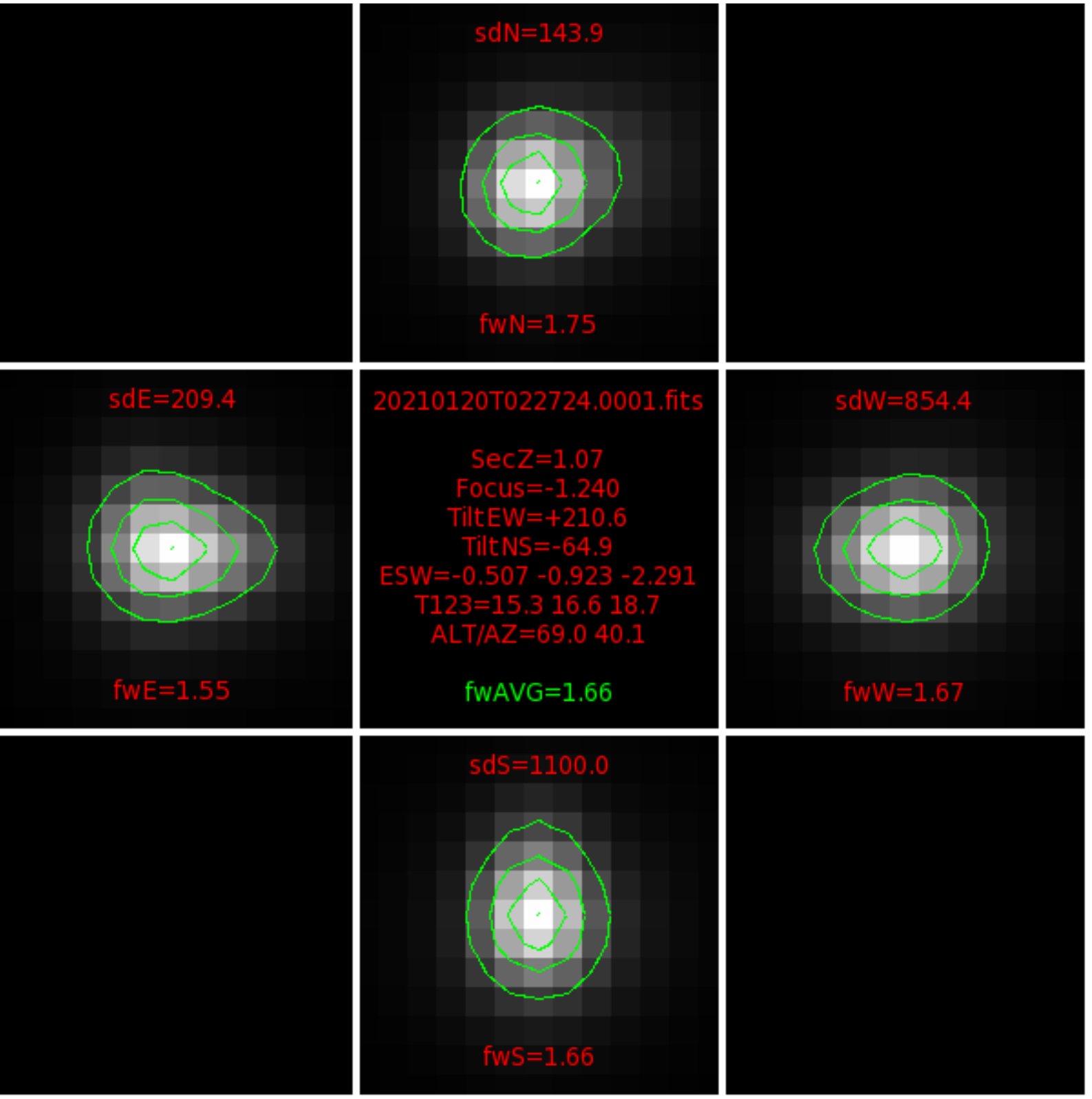
sdN=143.9
fwN=1.75
sdE=209.4
fwE=1.55
20210120T022724.0001.fits
SecZ=1.07
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.3 16.6 18.7
ALT/AZ=69.0 40.1
fwAVG=1.66
sdW=854.4
fwW=1.67
sdS=1100.0
fwS=1.66
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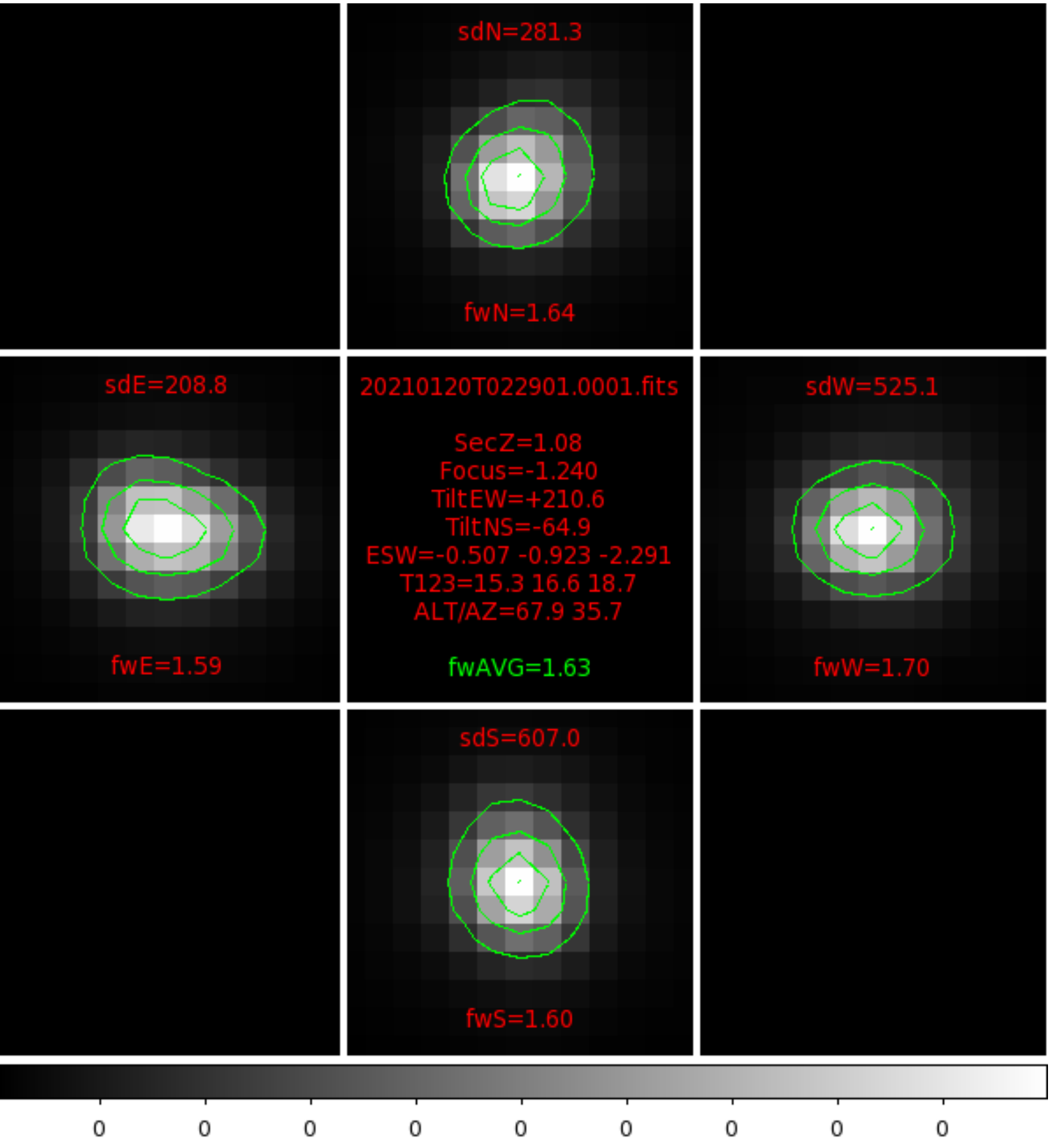
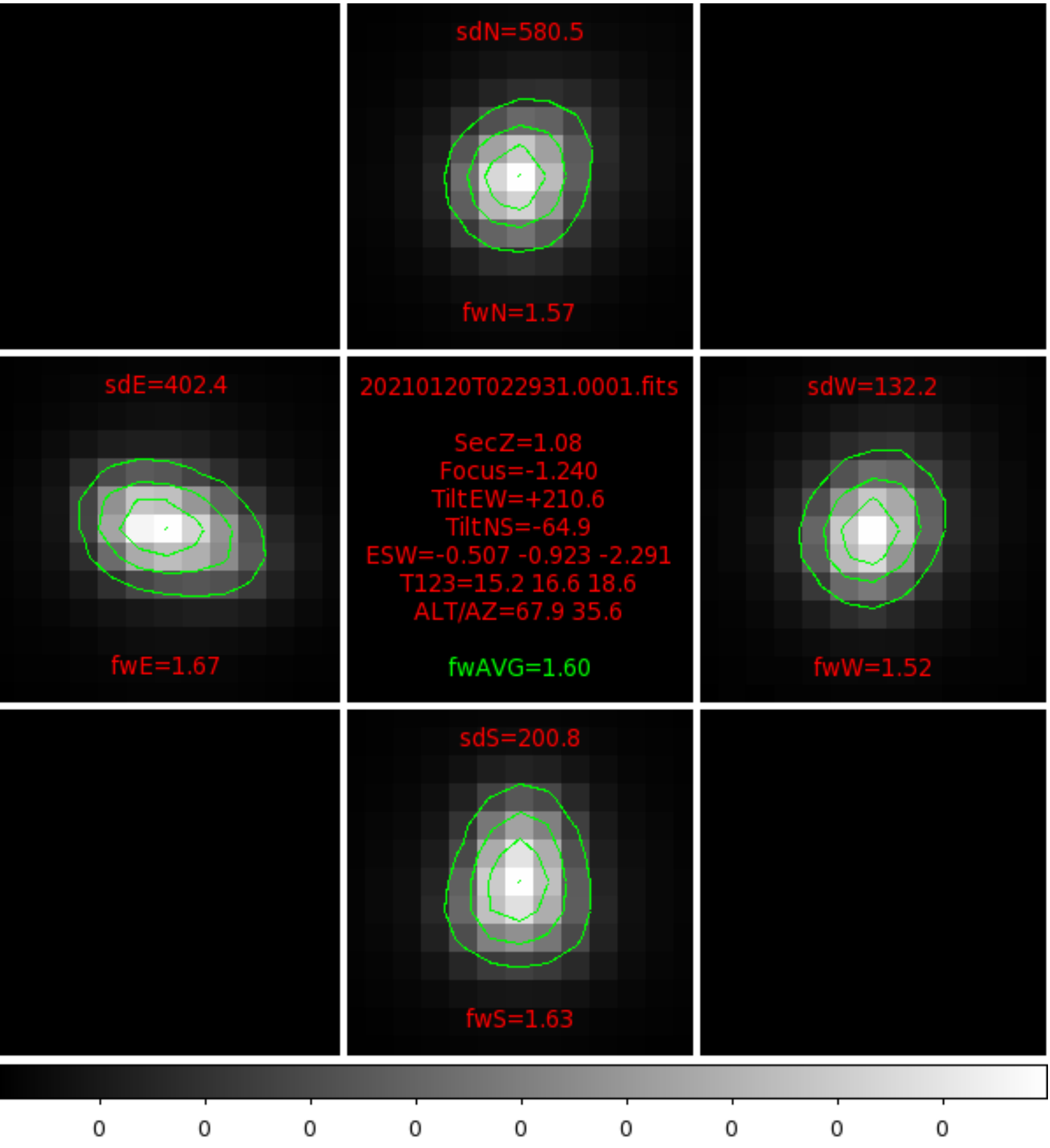

sdN=281.3
fwN=1.64
sdE=208.8
fwE=1.59
20210120T022901.0001.fits
SecZ=1.08
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.3 16.6 18.7
ALT/AZ=67.9 35.7
fwAVG=1.63
sdW=525.1
fwW=1.70
sdS=607.0
fwS=1.60
0 0 0 0 0 0 0 0 0


sdN=580.5
fwN=1.57
sdE=402.4
fwE=1.67
20210120T022931.0001.fits
SecZ=1.08
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.2 16.6 18.6
ALT/AZ=67.9 35.6
fwAVG=1.60
sdW=132.2
fwW=1.52
sdS=200.8
fwS=1.63
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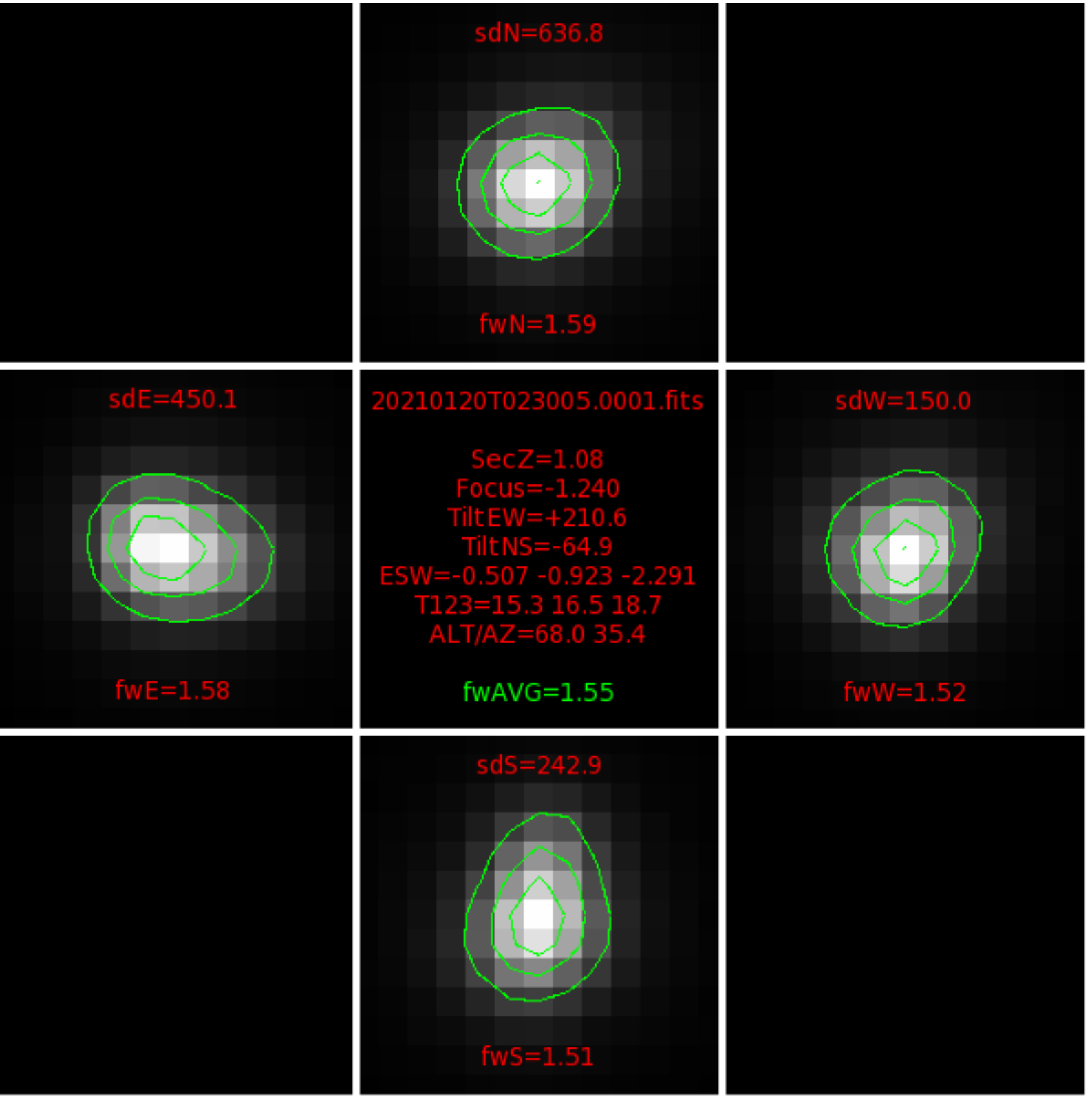
sdN=636.8
fwN=1.59
sdE=450.1
fwE=1.58
20210120T023005.0001.fits
SecZ=1.08
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.3 16.5 18.7
ALT/AZ=68.0 35.4
fwAVG=1.55
sdW=150.0
fwW=1.52
sdS=242.9
fwS=1.51
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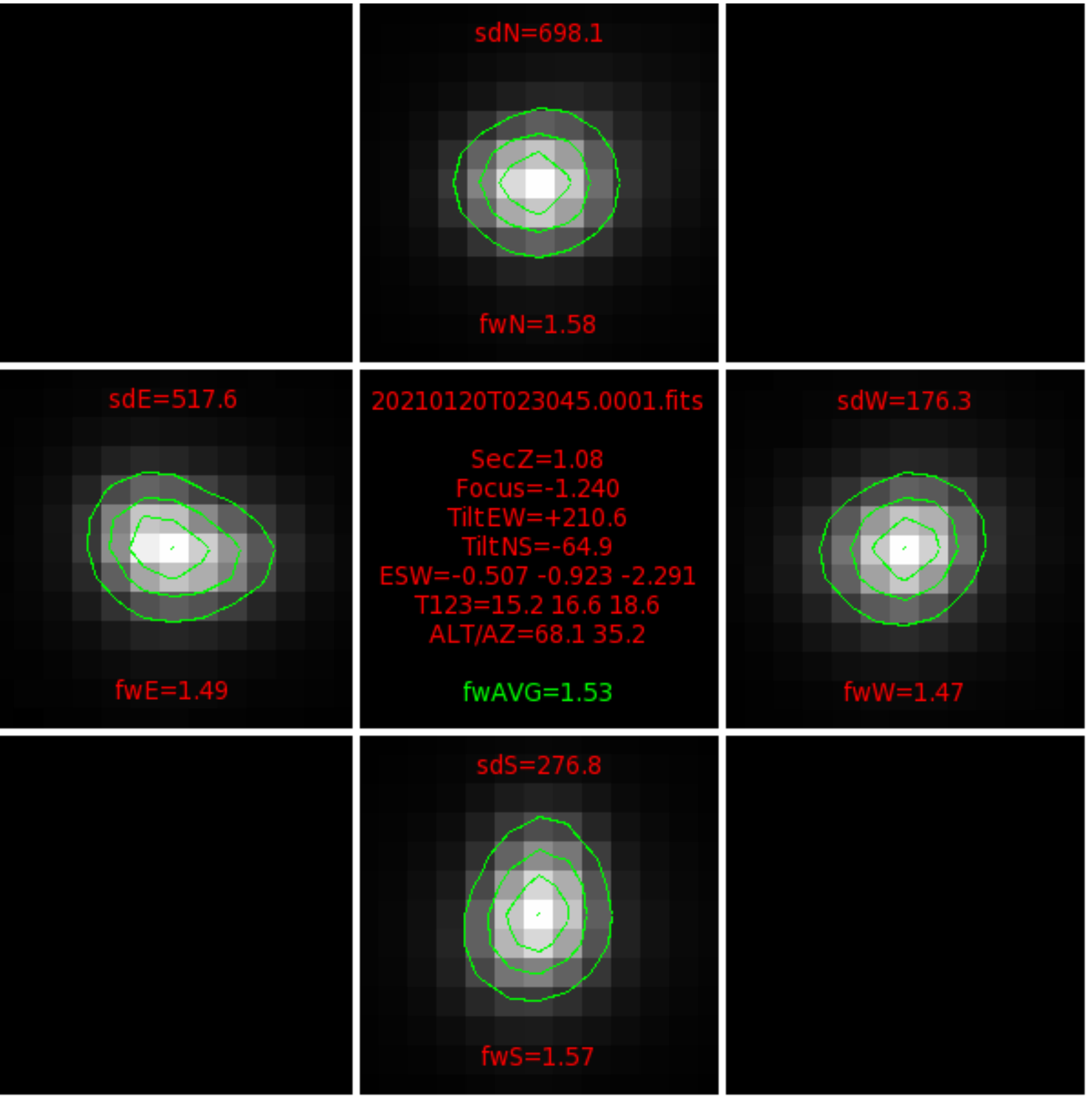
sdN=698.1
fwN=1.58
sdE=517.6
fwE=1.49
20210120T023045.0001.fits
SecZ=1.08
Focus=-1.240
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.507 -0.923 -2.291
T123=15.2 16.6 18.6
ALT/AZ=68.1 35.2
fwAVG=1.53
sdW=176.3
fwW=1.47
sdS=276.8
fwS=1.57
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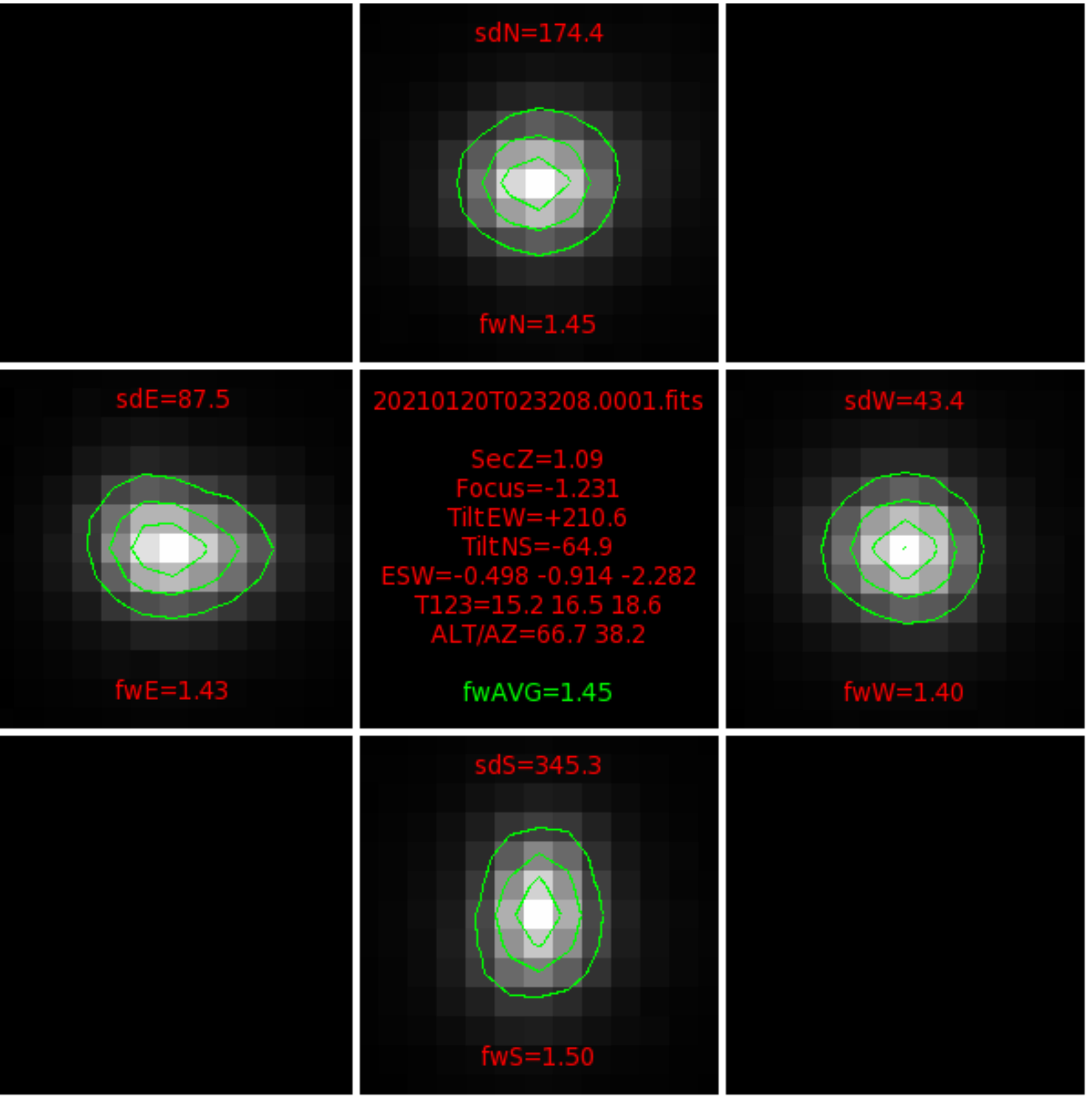
sdN=174.4
fwN=1.45
sdE=87.5
fwE=1.43
20210120T023208.0001.fits
SecZ=1.09
Focus=-1.231
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.498 -0.914 -2.282
T123=15.2 16.5 18.6
ALT/AZ=66.7 38.2
fwAVG=1.45
sdW=43.4
fwW=1.40
sdS=345.3
fwS=1.50
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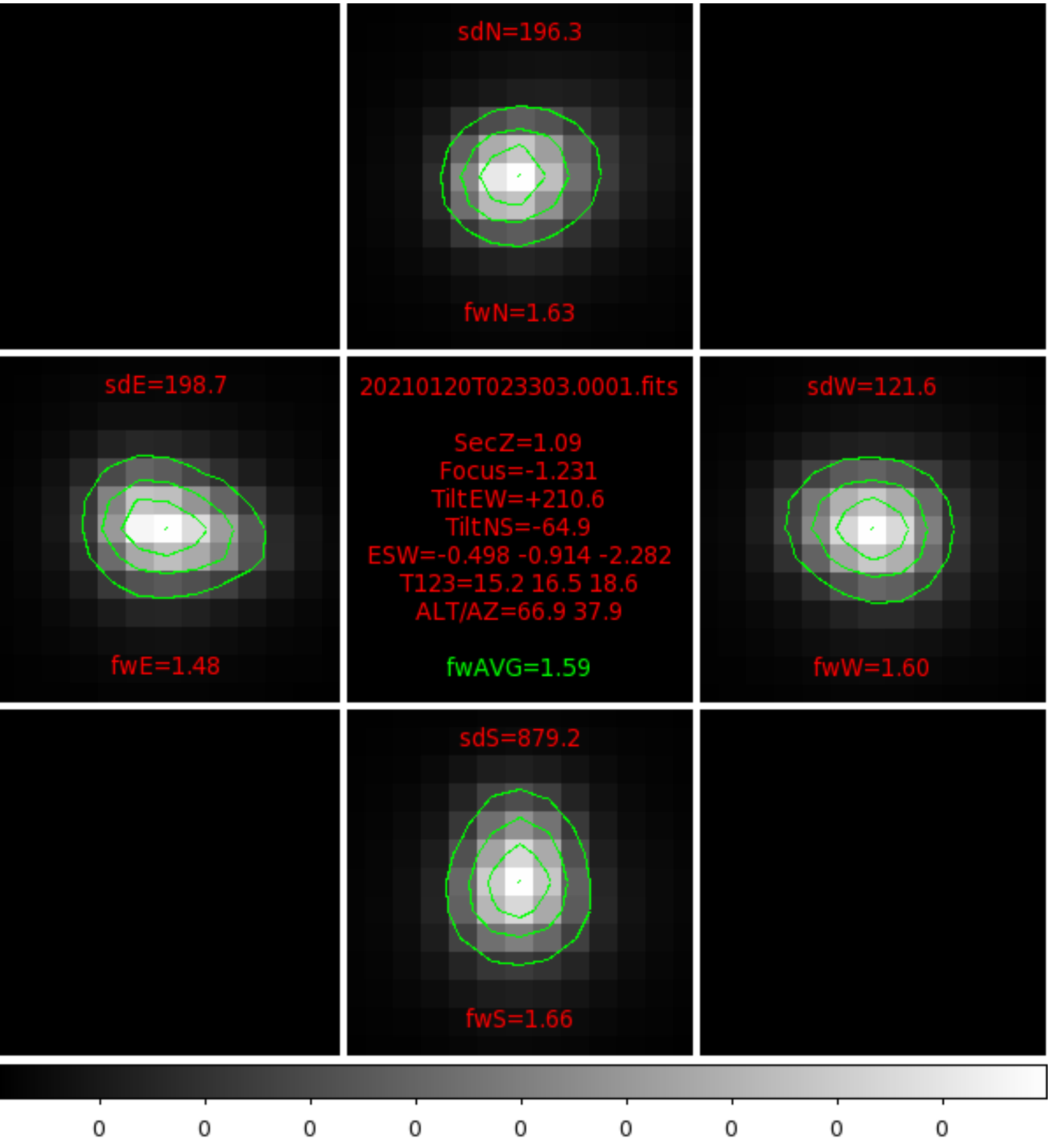
sdN=196.3
fwN=1.63
sdE=198.7
fwE=1.48
20210120T023303.0001.fits
SecZ=1.09
Focus=-1.231
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.498 -0.914 -2.282
T123=15.2 16.5 18.6
ALT/AZ=66.9 37.9
fwAVG=1.59
sdW=121.6
fwW=1.60
sdS=879.2
fwS=1.66
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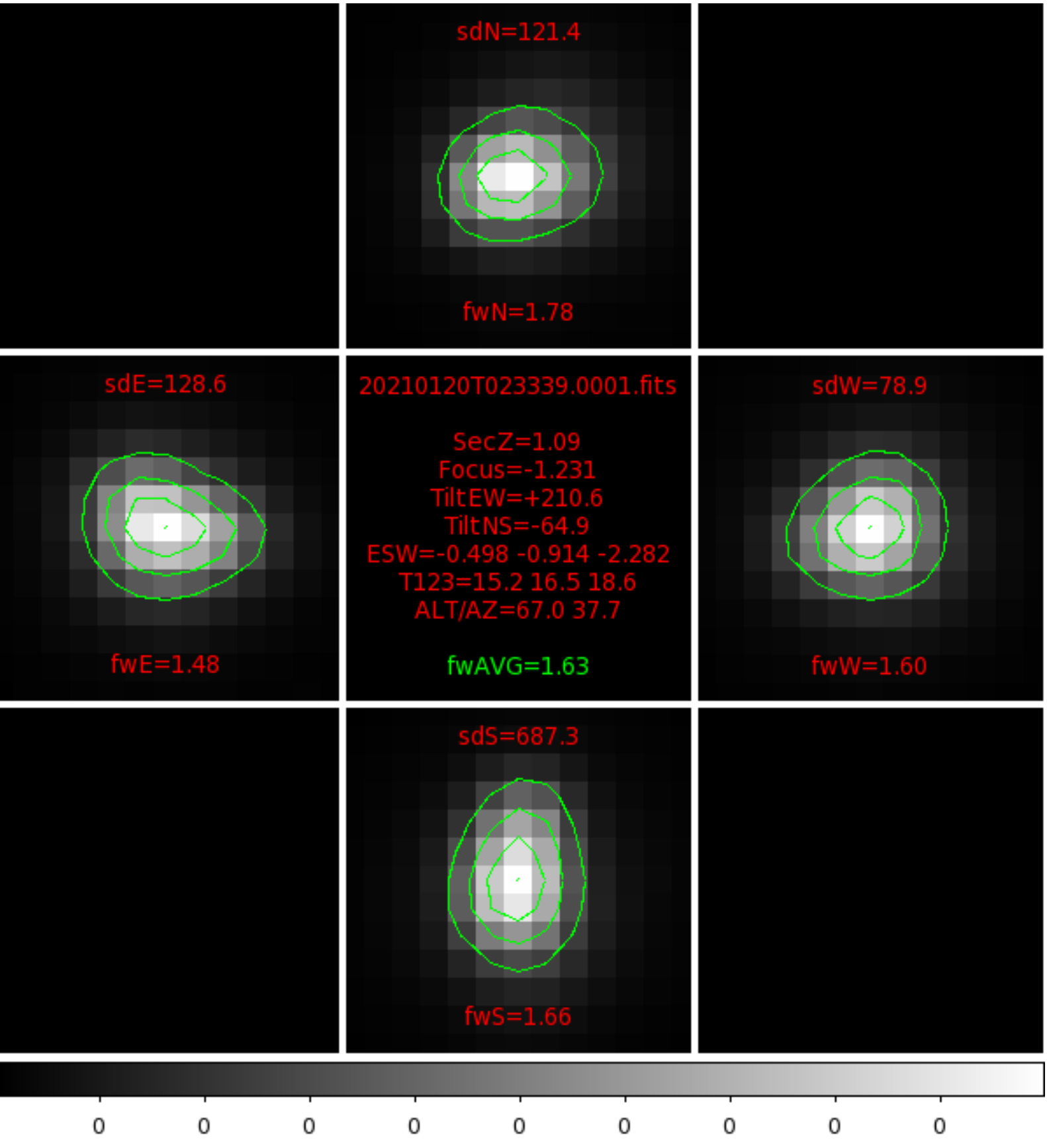
sdN=121.4
fwN=1.78
sdE=128.6
fwE=1.48
20210120T023339.0001.fits
SecZ=1.09
Focus=-1.231
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.498 -0.914 -2.282
T123=15.2 16.5 18.6
ALT/AZ=67.0 37.7
fwAVG=1.63
sdW=78.9
fwW=1.60
sdS=687.3
fwS=1.66
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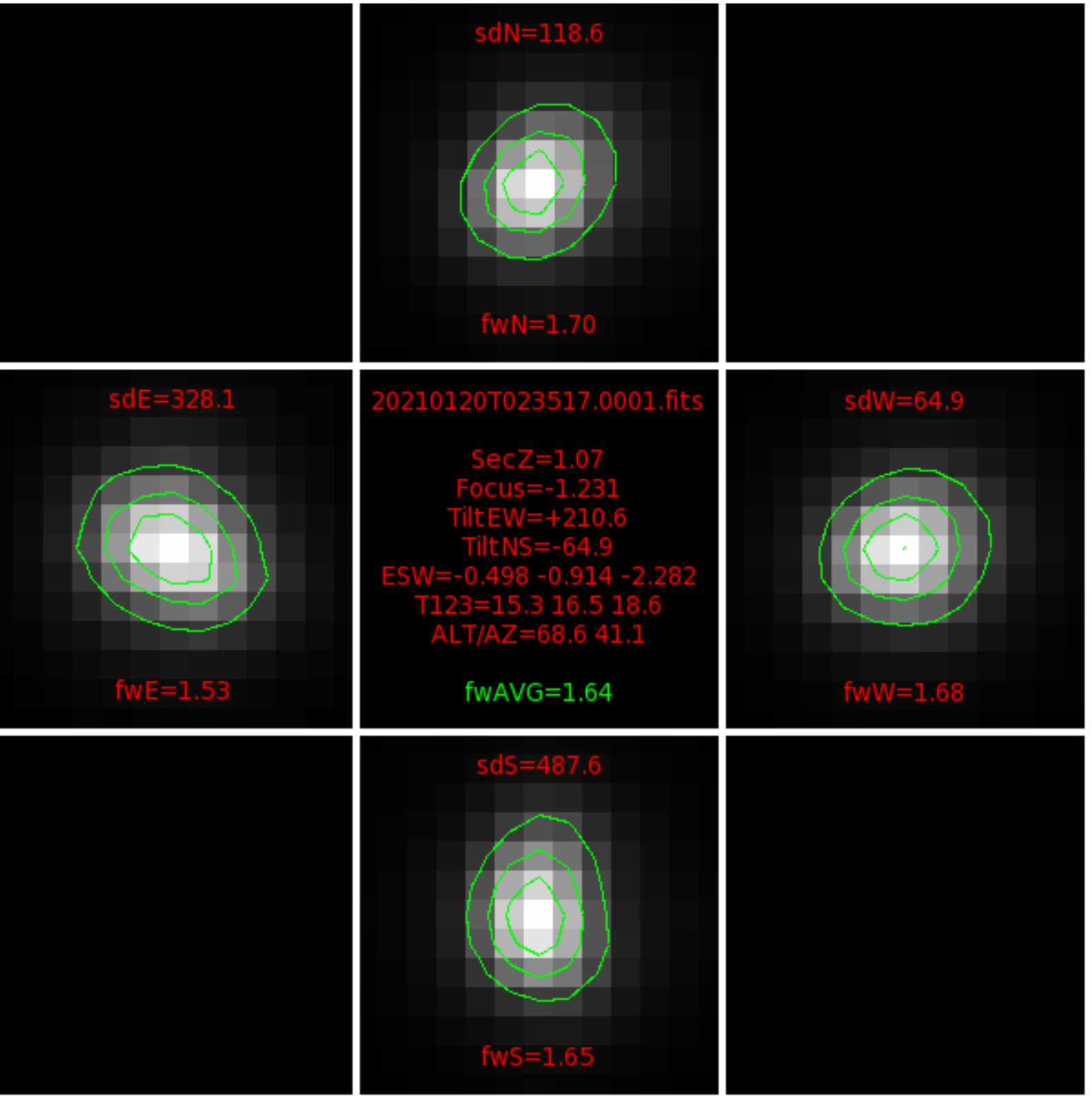
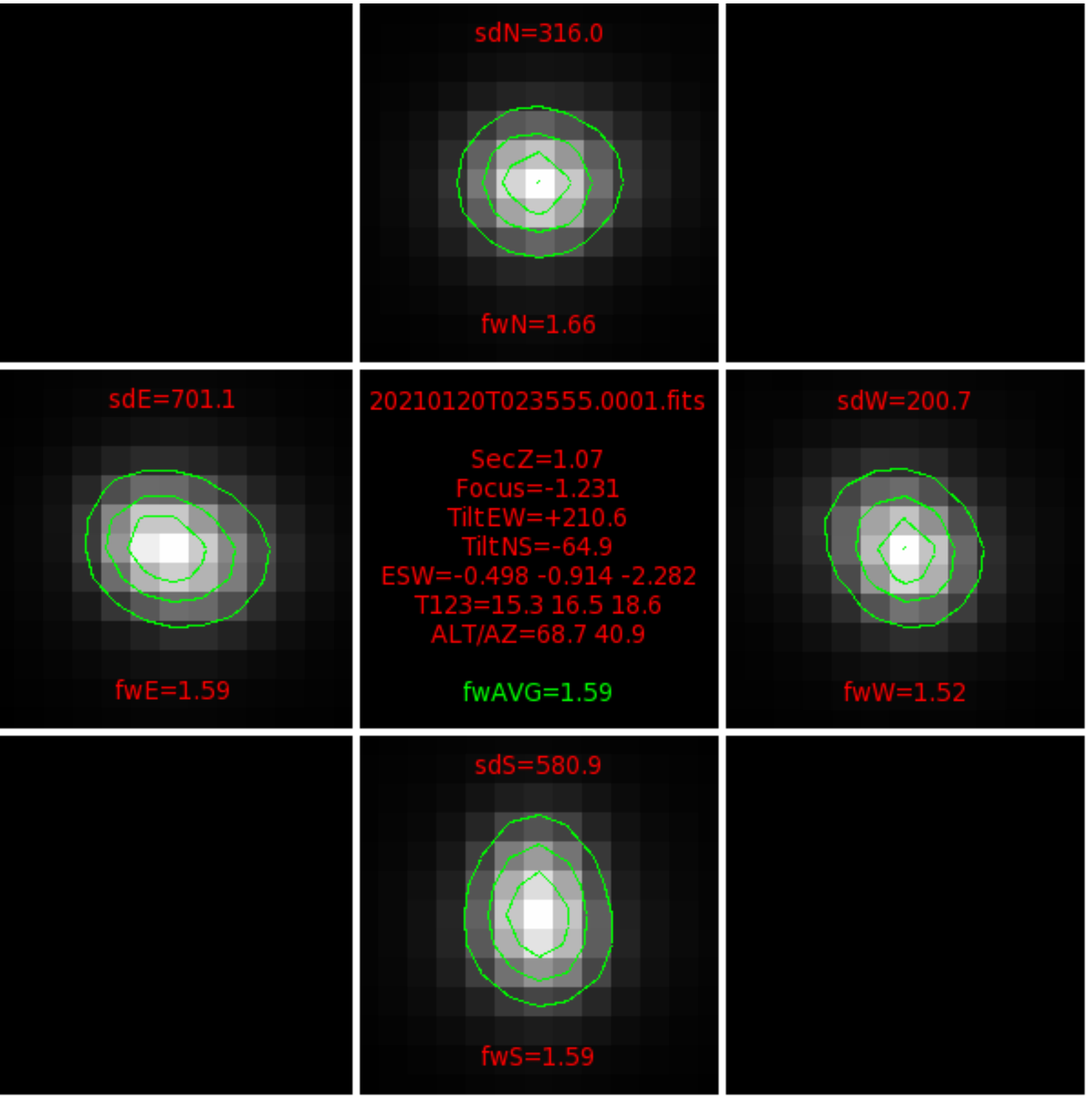

sdN=118.6
fwN=1.70
sdE=328.1
fwE=1.53
20210120T023517.0001.fits
SecZ=1.07
Focus=-1.231
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.498 -0.914 -2.282
T123=15.3 16.5 18.6
ALT/AZ=68.6 41.1
fwAVG=1.64
sdW=64.9
fwW=1.68
sdS=487.6
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=316.0
fwN=1.66
sdE=701.1
fwE=1.59
20210120T023555.0001.fits
SecZ=1.07
Focus=-1.231
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.498 -0.914 -2.282
T123=15.3 16.5 18.6
ALT/AZ=68.7 40.9
fwAVG=1.59
sdW=200.7
fwW=1.52
sdS=580.9
fwS=1.59
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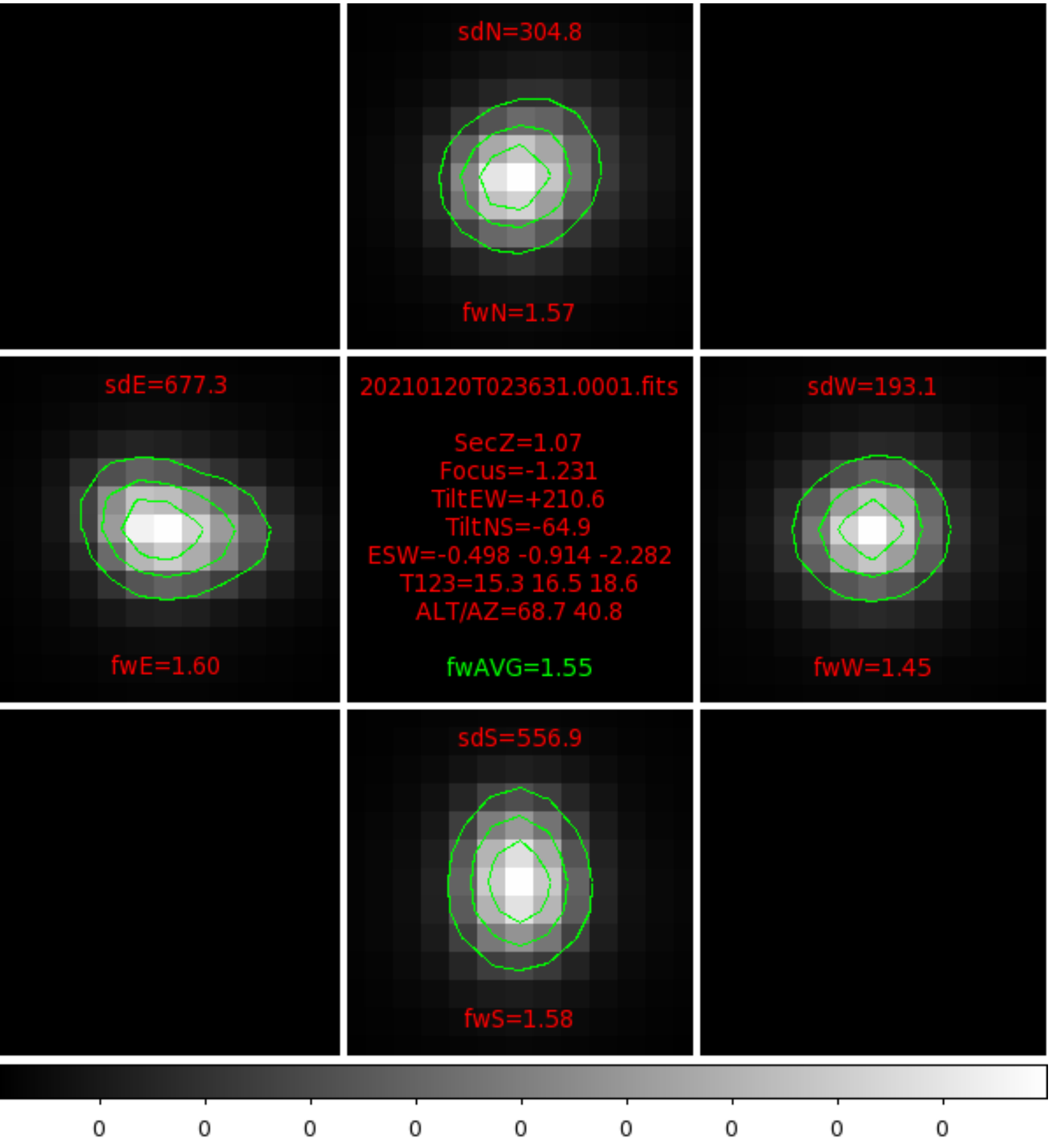
sdN=304.8
fwN=1.57
sdE=677.3
fwE=1.60
20210120T023631.0001.fits
SecZ=1.07
Focus=-1.231
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.498 -0.914 -2.282
T123=15.3 16.5 18.6
ALT/AZ=68.7 40.8
fwAVG=1.55
sdW=193.1
fwW=1.45
sdS=556.9
fwS=1.58
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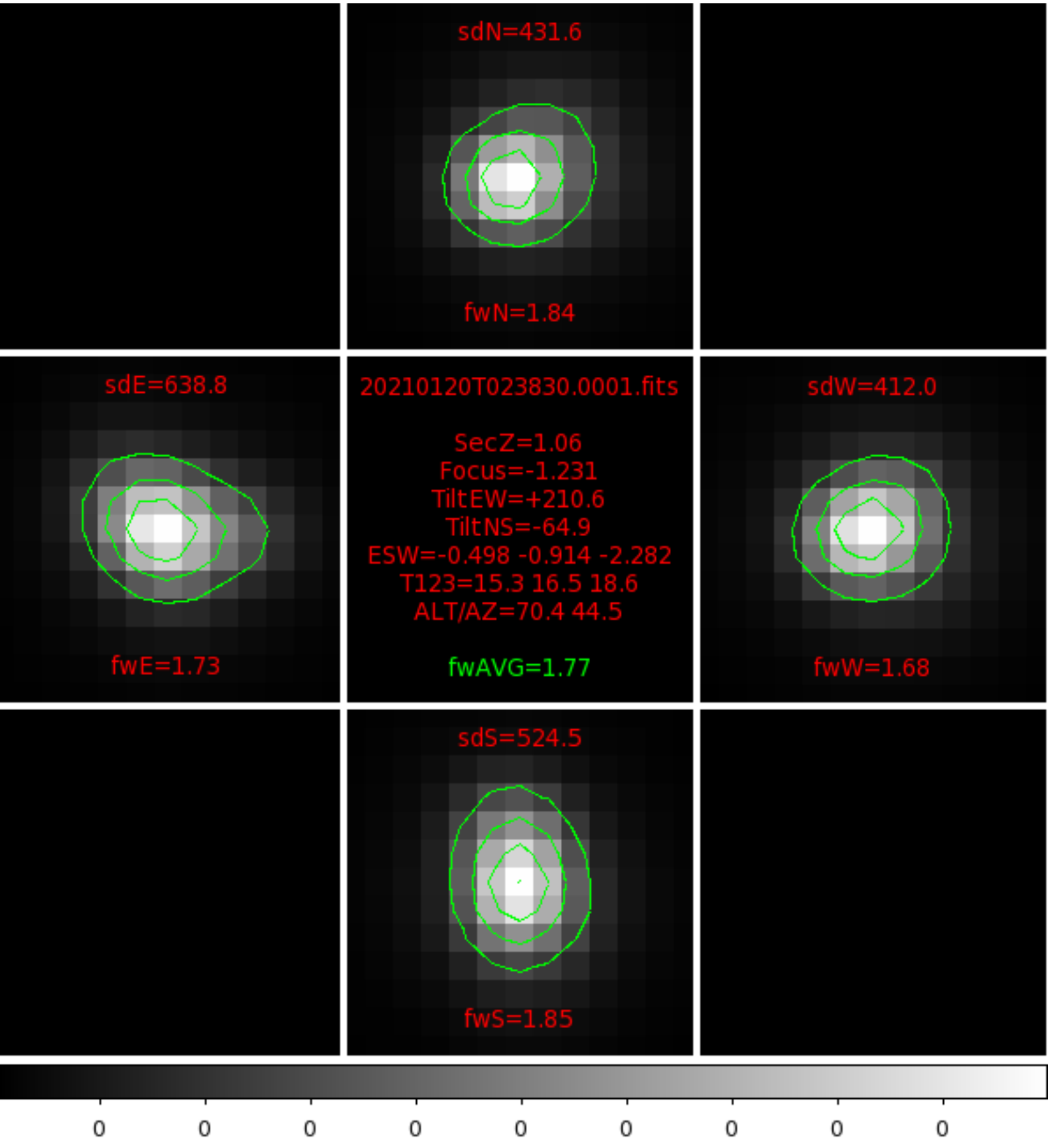
sdN=431.6
fwN=1.84
sdE=638.8
fwE=1.73
20210120T023830.0001.fits
SecZ=1.06
Focus=-1.231
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.498 -0.914 -2.282
T123=15.3 16.5 18.6
ALT/AZ=70.4 44.5
fwAVG=1.77
sdW=412.0
fwW=1.68
sdS=524.5
fwS=1.85
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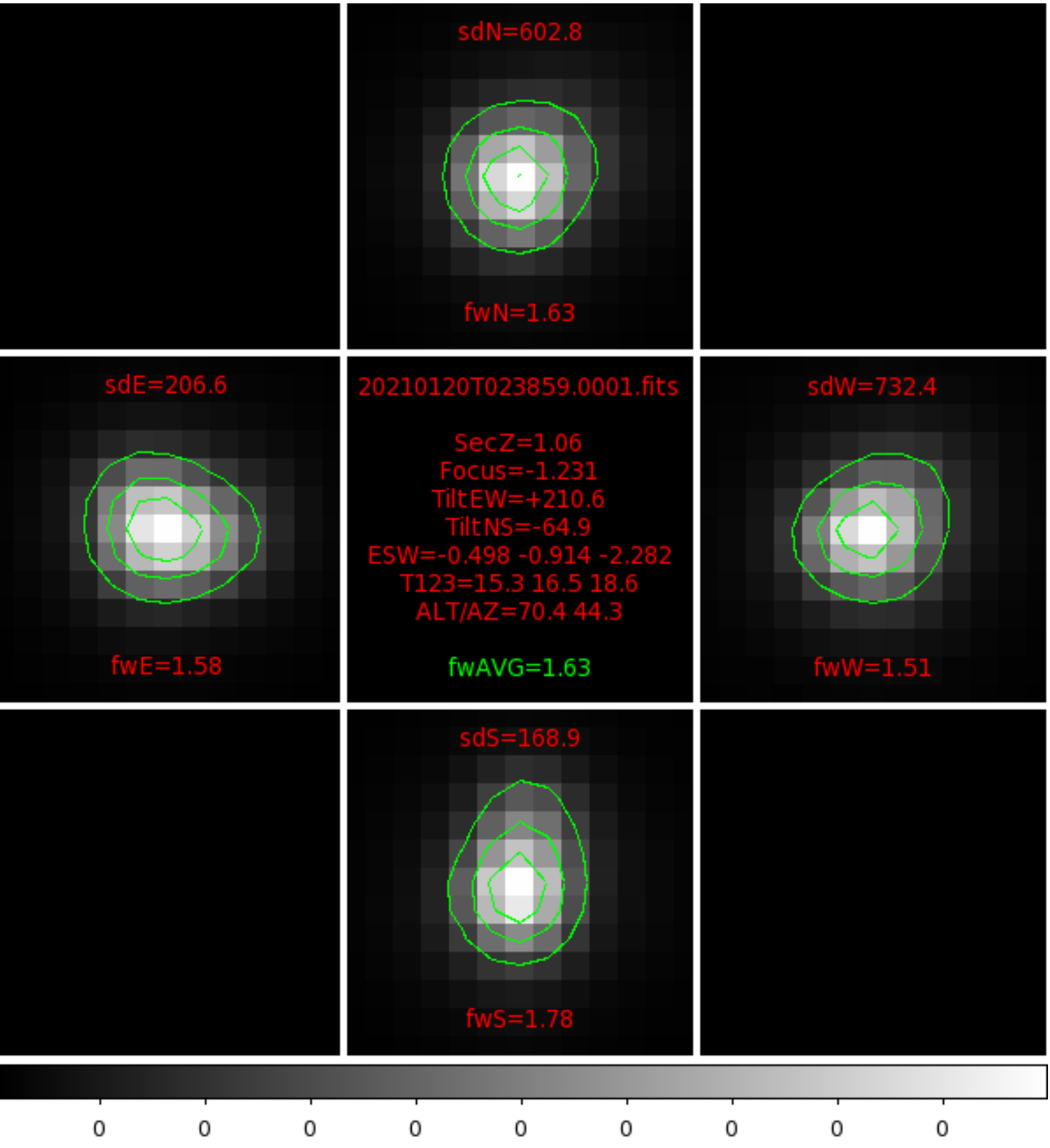
sdN=602.8
fwN=1.63
sdE=206.6
fwE=1.58
20210120T023859.0001.fits
SecZ=1.06
Focus=-1.231
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.498 -0.914 -2.282
T123=15.3 16.5 18.6
ALT/AZ=70.4 44.3
fwAVG=1.63
sdW=732.4
fwW=1.51
sdS=168.9
fwS=1.78
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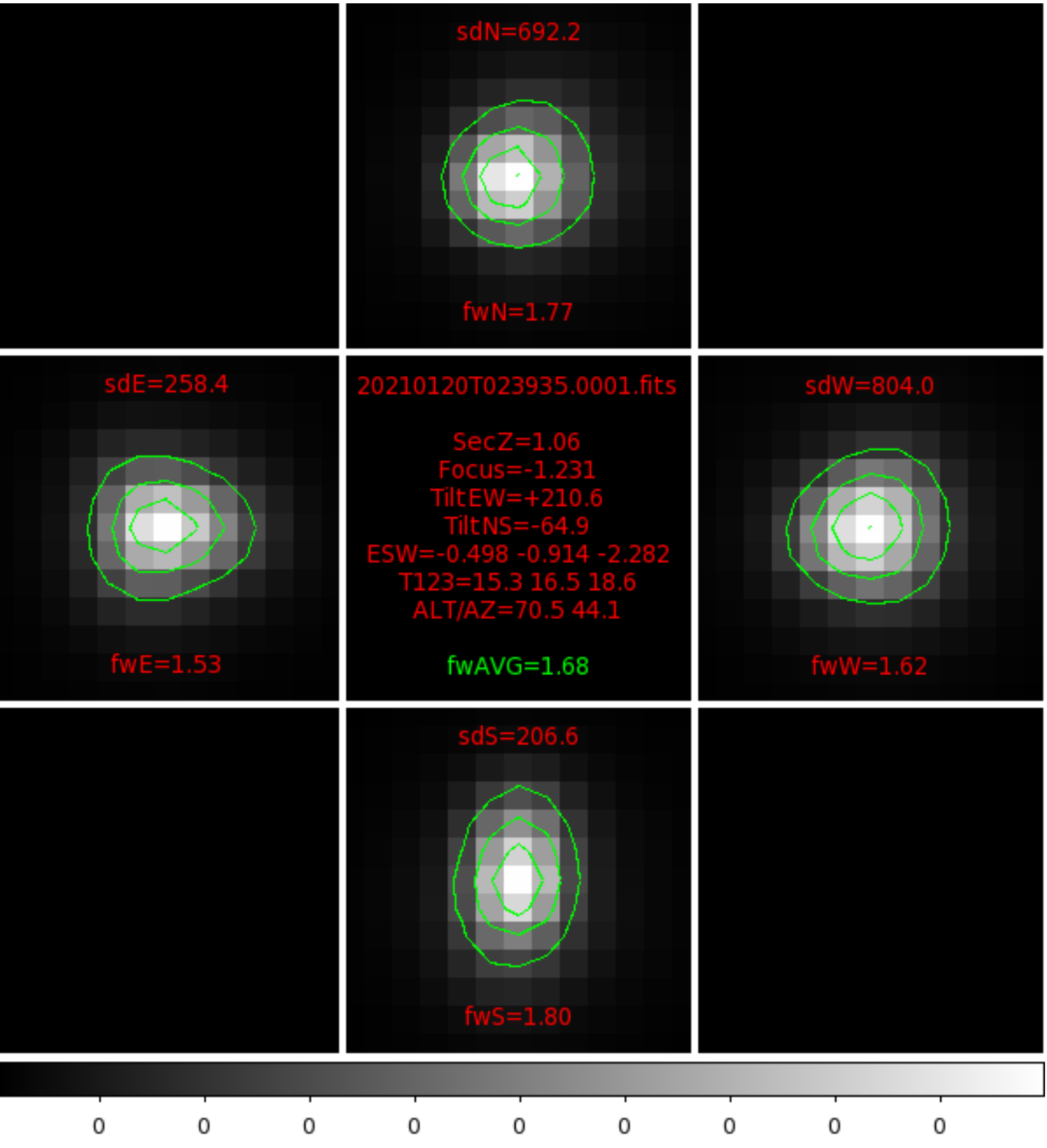
sdN=692.2
fwN=1.77
sdE=258.4
fwE=1.53
20210120T023935.0001.fits
SecZ=1.06
Focus=-1.231
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.498 -0.914 -2.282
T123=15.3 16.5 18.6
ALT/AZ=70.5 44.1
fwAVG=1.68
sdW=804.0
fwW=1.62
sdS=206.6
fwS=1.80
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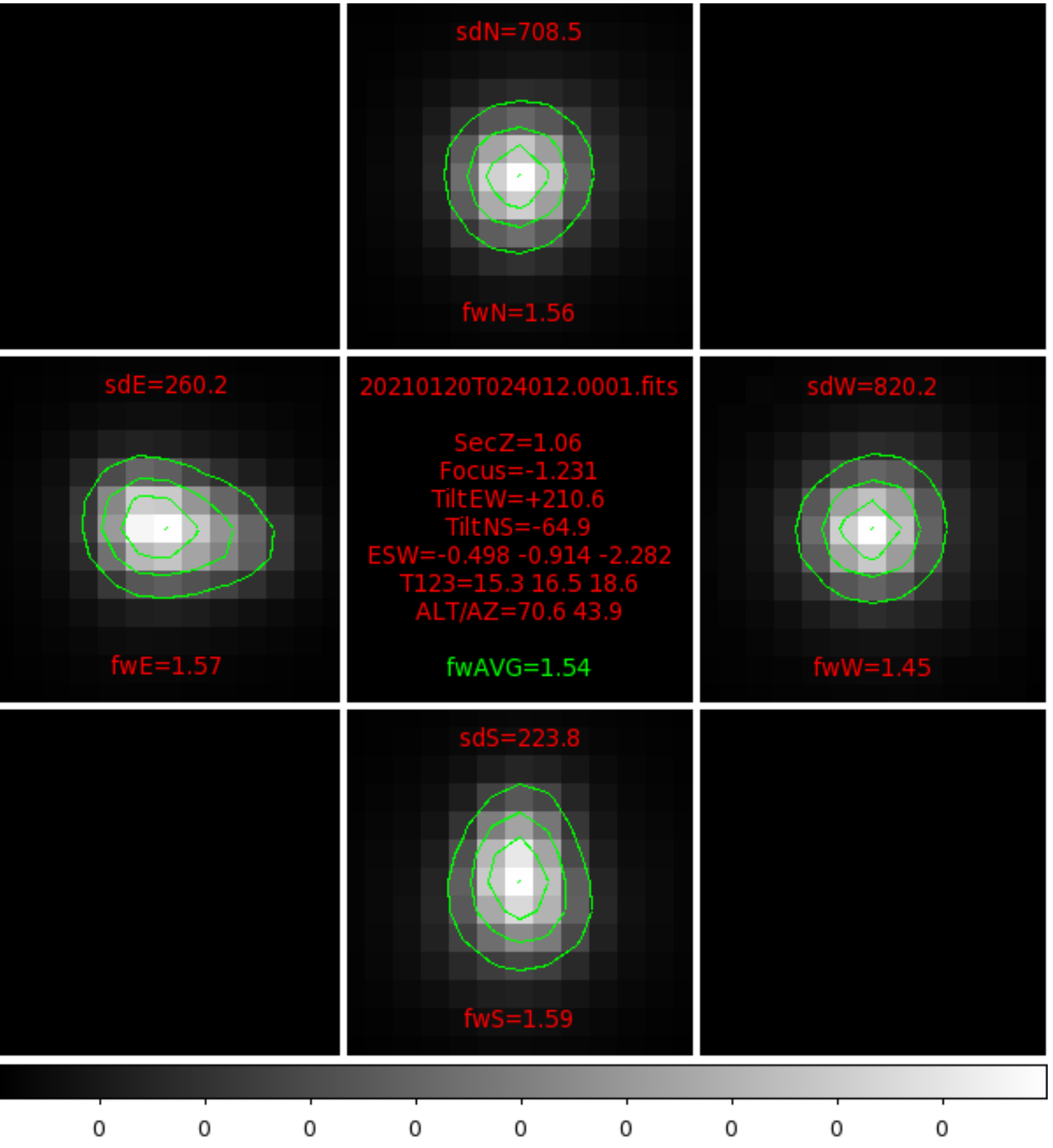
sdN=708.5
fwN=1.56
sdE=260.2
fwE=1.57
20210120T024012.0001.fits
SecZ=1.06
Focus=-1.231
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.498 -0.914 -2.282
T123=15.3 16.5 18.6
ALT/AZ=70.6 43.9
fwAVG=1.54
sdW=820.2
fwW=1.45
sdS=223.8
fwS=1.59
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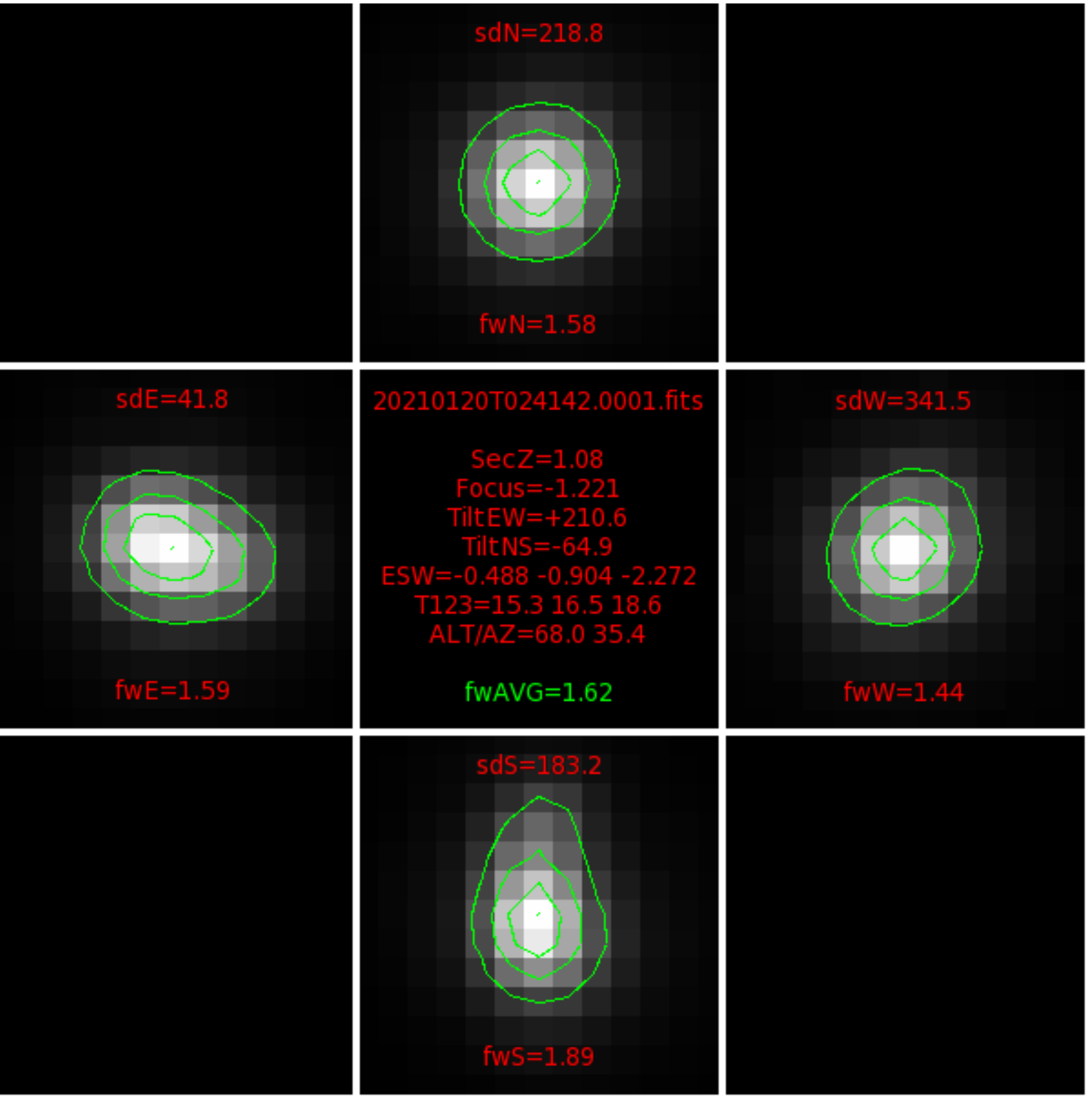
sdN=218.8
fwN=1.58
sdE=41.8
fwE=1.59
20210120T024142.0001.fits
SecZ=1.08
Focus=-1.221
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.488 -0.904 -2.272
T123=15.3 16.5 18.6
ALT/AZ=68.0 35.4
fwAVG=1.62
sdW=341.5
fwW=1.44
sdS=183.2
fwS=1.89
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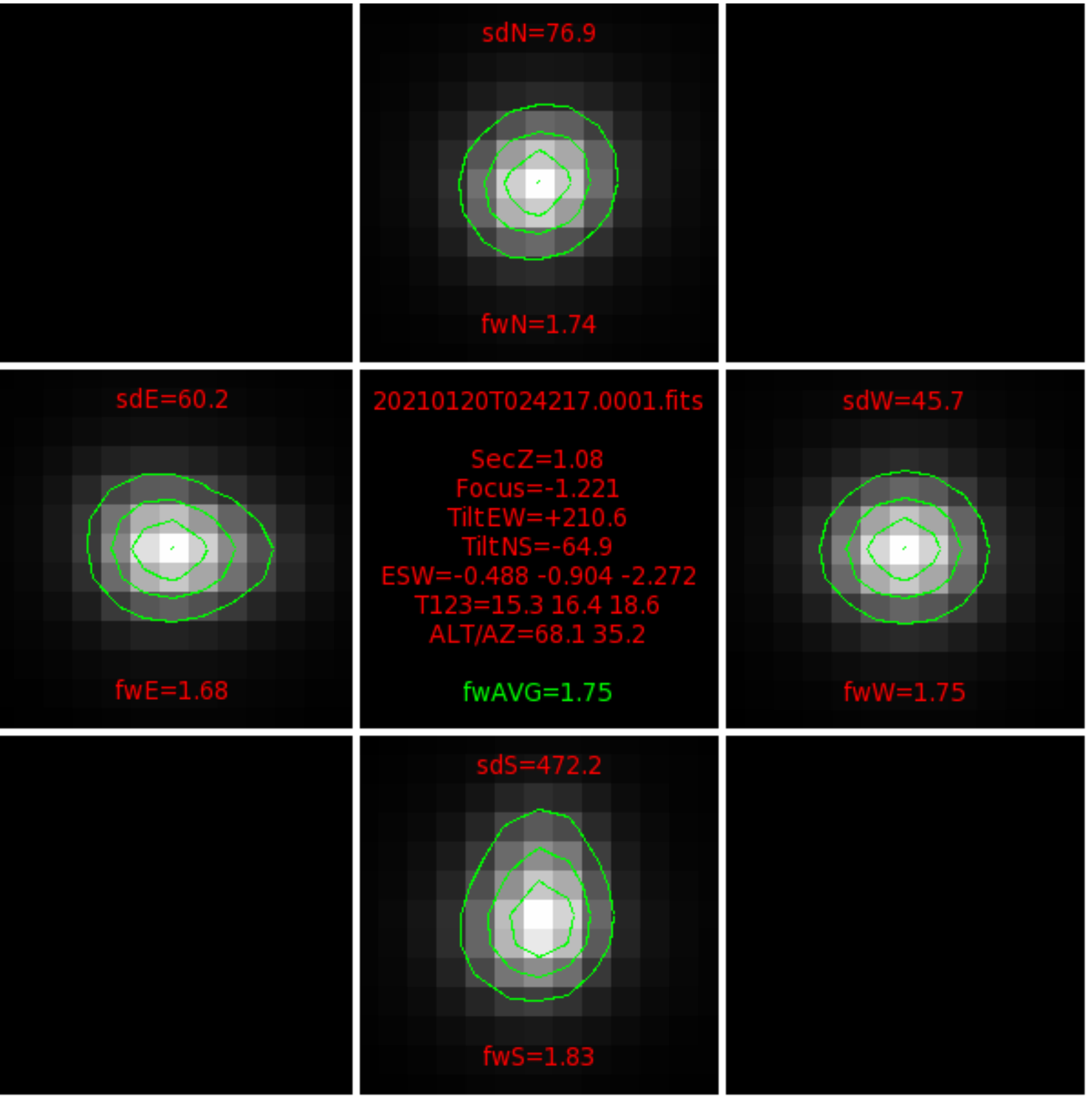
sdN=76.9
fwN=1.74
sdE=60.2
fwE=1.68
20210120T024217.0001.fits
SecZ=1.08
Focus=-1.221
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.488 -0.904 -2.272
T123=15.3 16.4 18.6
ALT/AZ=68.1 35.2
fwAVG=1.75
sdW=45.7
fwW=1.75
sdS=472.2
fwS=1.83
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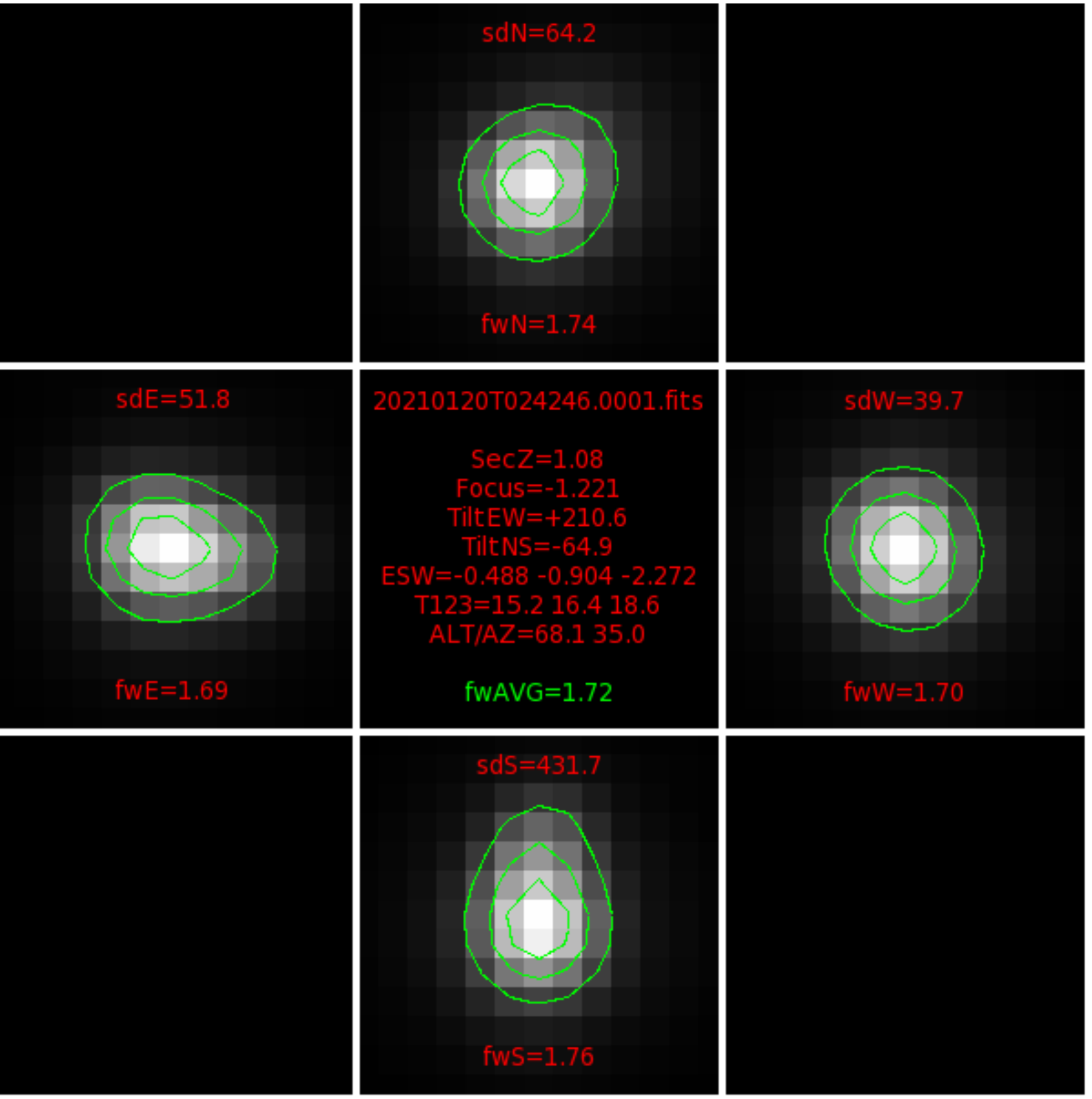
sdN=64.2
fwN=1.74
sdE=51.8
fwE=1.69
20210120T024246.0001.fits
SecZ=1.08
Focus=-1.221
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.488 -0.904 -2.272
T123=15.2 16.4 18.6
ALT/AZ=68.1 35.0
fwAVG=1.72
sdW=39.7
fwW=1.70
sdS=431.7
fwS=1.76
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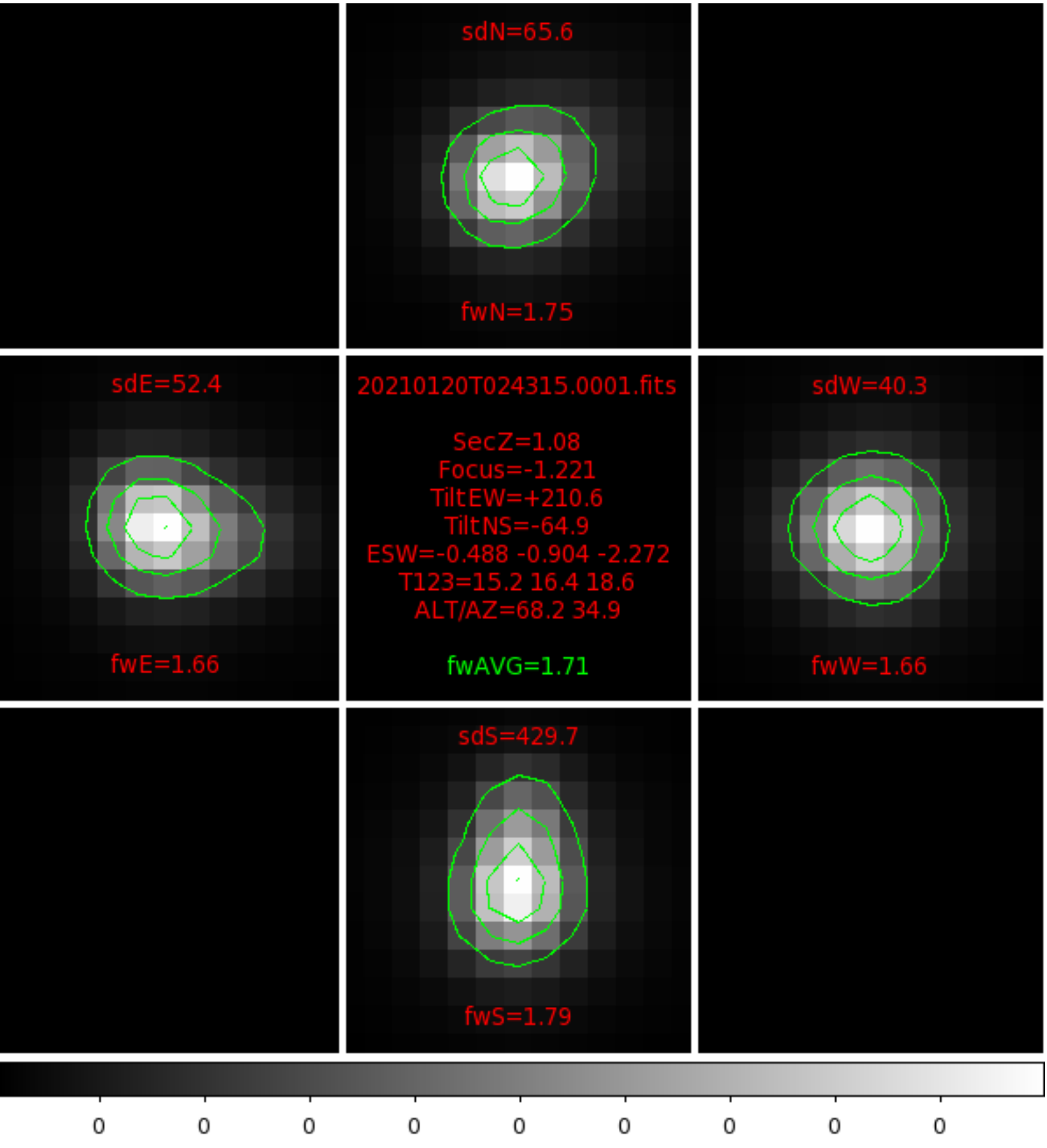
sdN=65.6
fwN=1.75
sdE=52.4
fwE=1.66
20210120T024315.0001.fits
SecZ=1.08
Focus=-1.221
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.488 -0.904 -2.272
T123=15.2 16.4 18.6
ALT/AZ=68.2 34.9
fwAVG=1.71
sdW=40.3
fwW=1.66
sdS=429.7
fwS=1.79
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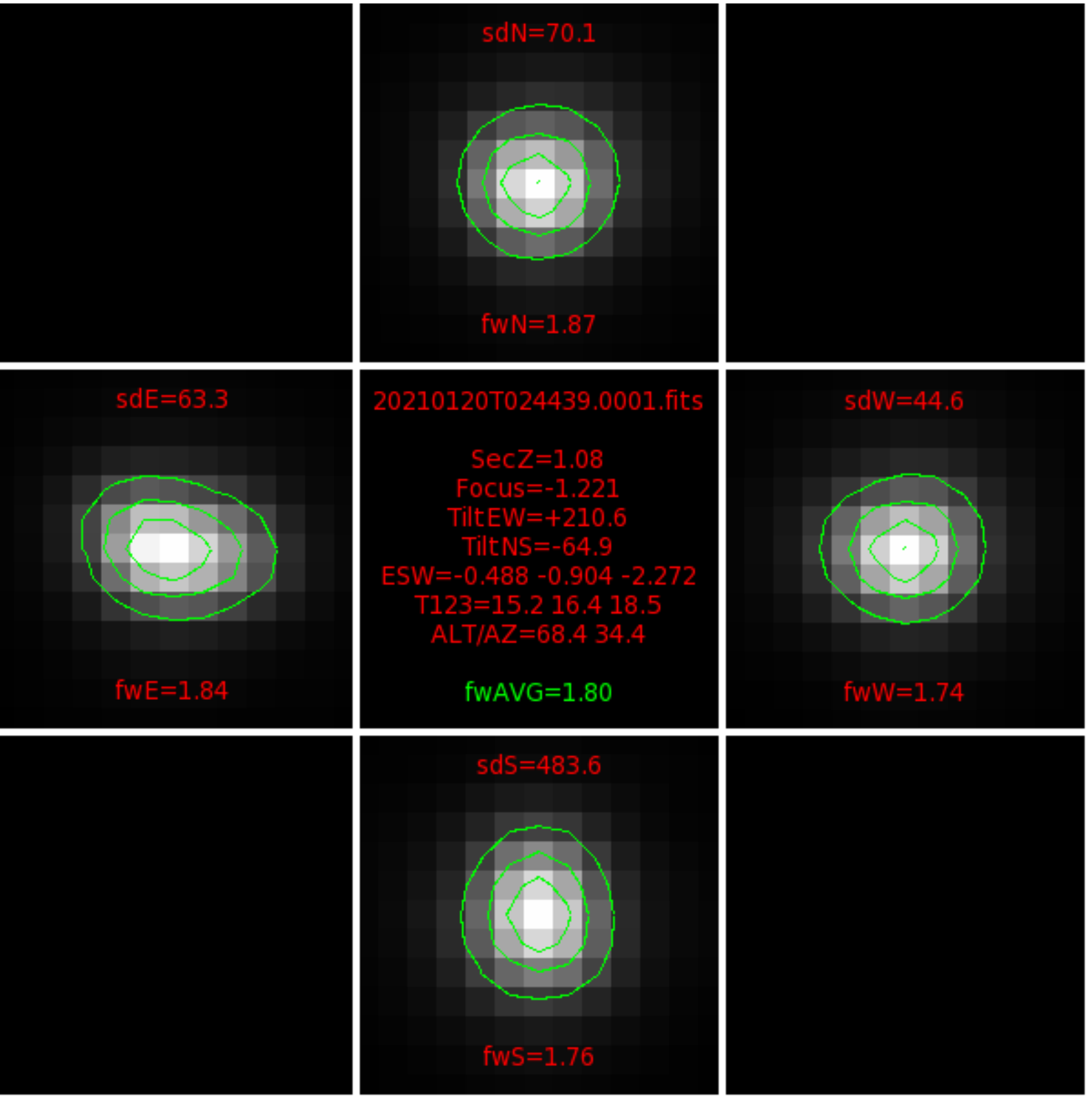
sdN=70.1
fwN=1.87
sdE=63.3
fwE=1.84
20210120T024439.0001.fits
SecZ=1.08
Focus=-1.221
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.488 -0.904 -2.272
T123=15.2 16.4 18.5
ALT/AZ=68.4 34.4
fwAVG=1.80
sdW=44.6
fwW=1.74
sdS=483.6
fwS=1.76
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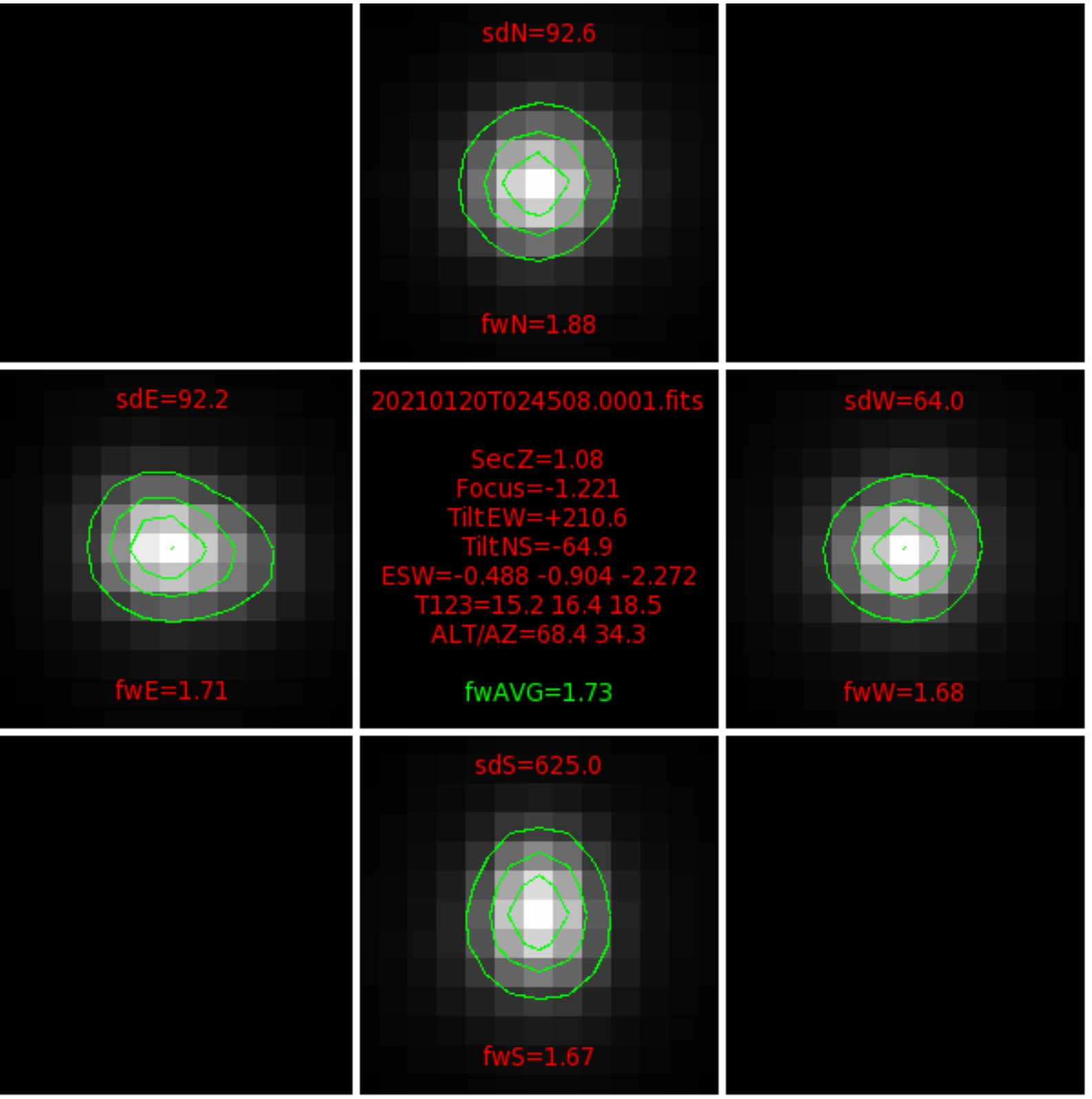
sdN=92.6
fwN=1.88
sdE=92.2
fwE=1.71
20210120T024508.0001.fits
SecZ=1.08
Focus=-1.221
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.488 -0.904 -2.272
T123=15.2 16.4 18.5
ALT/AZ=68.4 34.3
fwAVG=1.73
sdW=64.0
fwW=1.68
sdS=625.0
fwS=1.67
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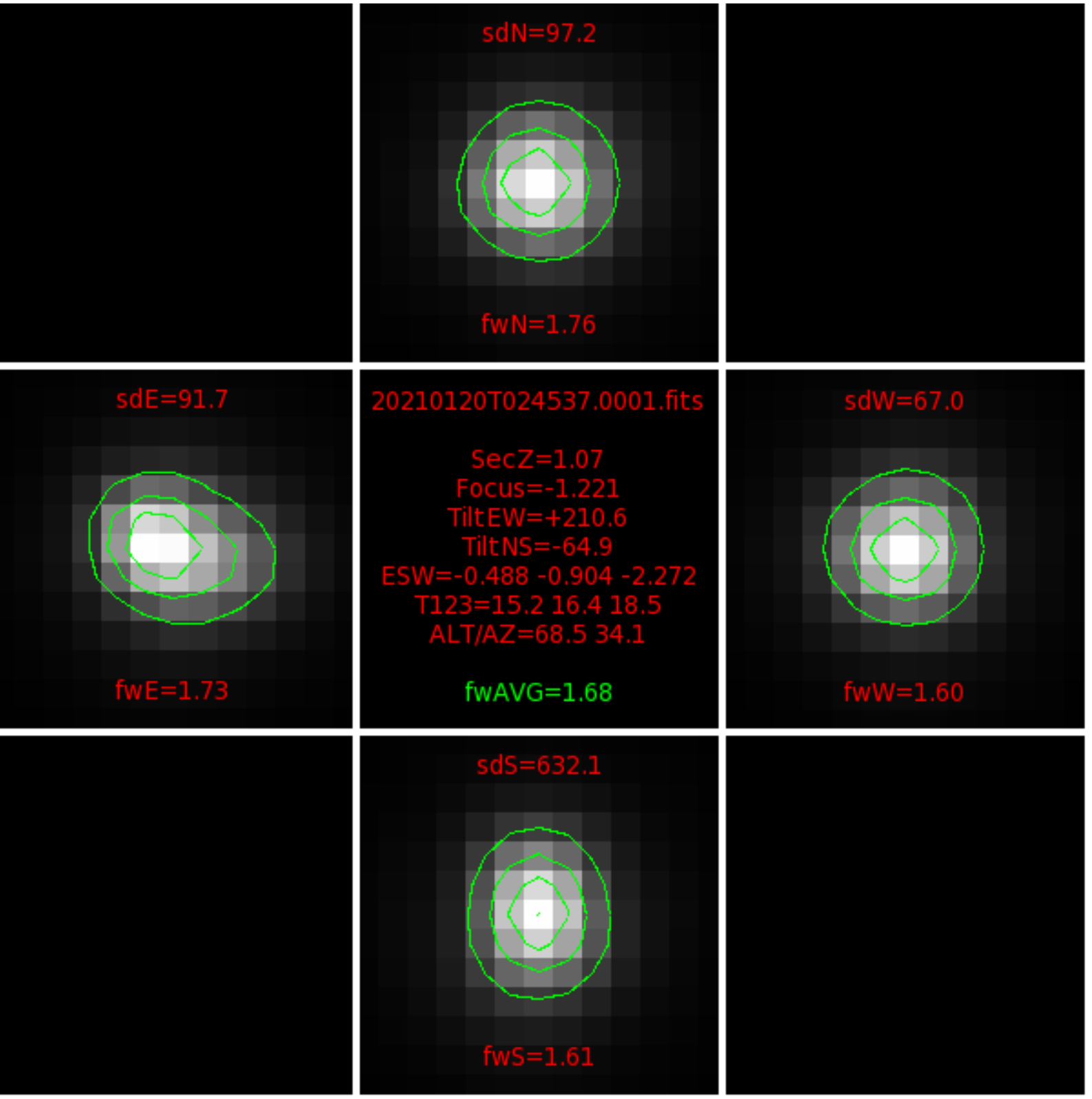
sdN=97.2
fwN=1.76
sdE=91.7
fwE=1.73
20210120T024537.0001.fits
SecZ=1.07
Focus=-1.221
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.488 -0.904 -2.272
T123=15.2 16.4 18.5
ALT/AZ=68.5 34.1
fwAVG=1.68
sdW=67.0
fwW=1.60
sdS=632.1
fwS=1.61
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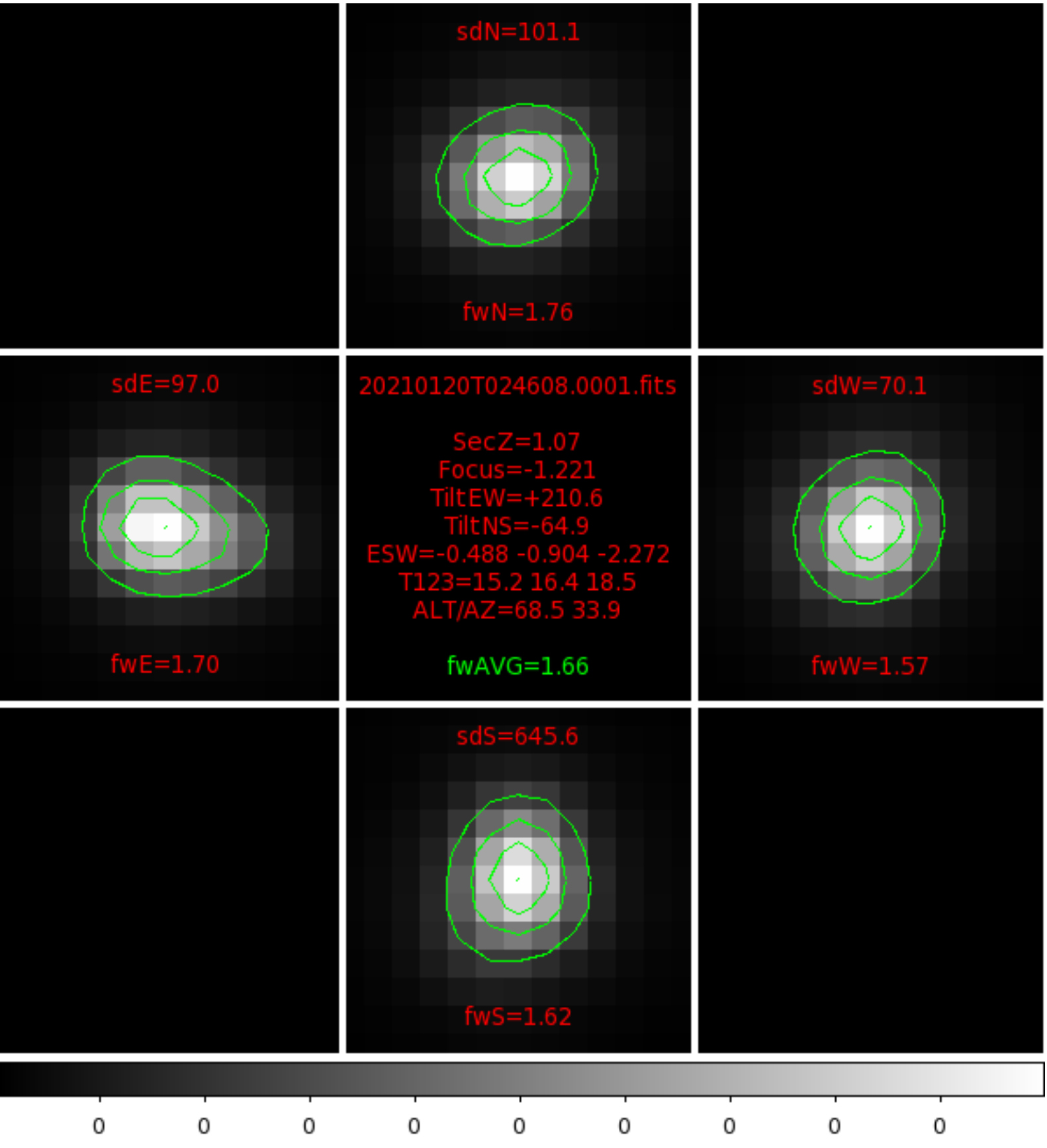
sdN=101.1
fwN=1.76
sdE=97.0
fwE=1.70
20210120T024608.0001.fits
SecZ=1.07
Focus=-1.221
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.488 -0.904 -2.272
T123=15.2 16.4 18.5
ALT/AZ=68.5 33.9
fwAVG=1.66
sdW=70.1
fwW=1.57
sdS=645.6
fwS=1.62
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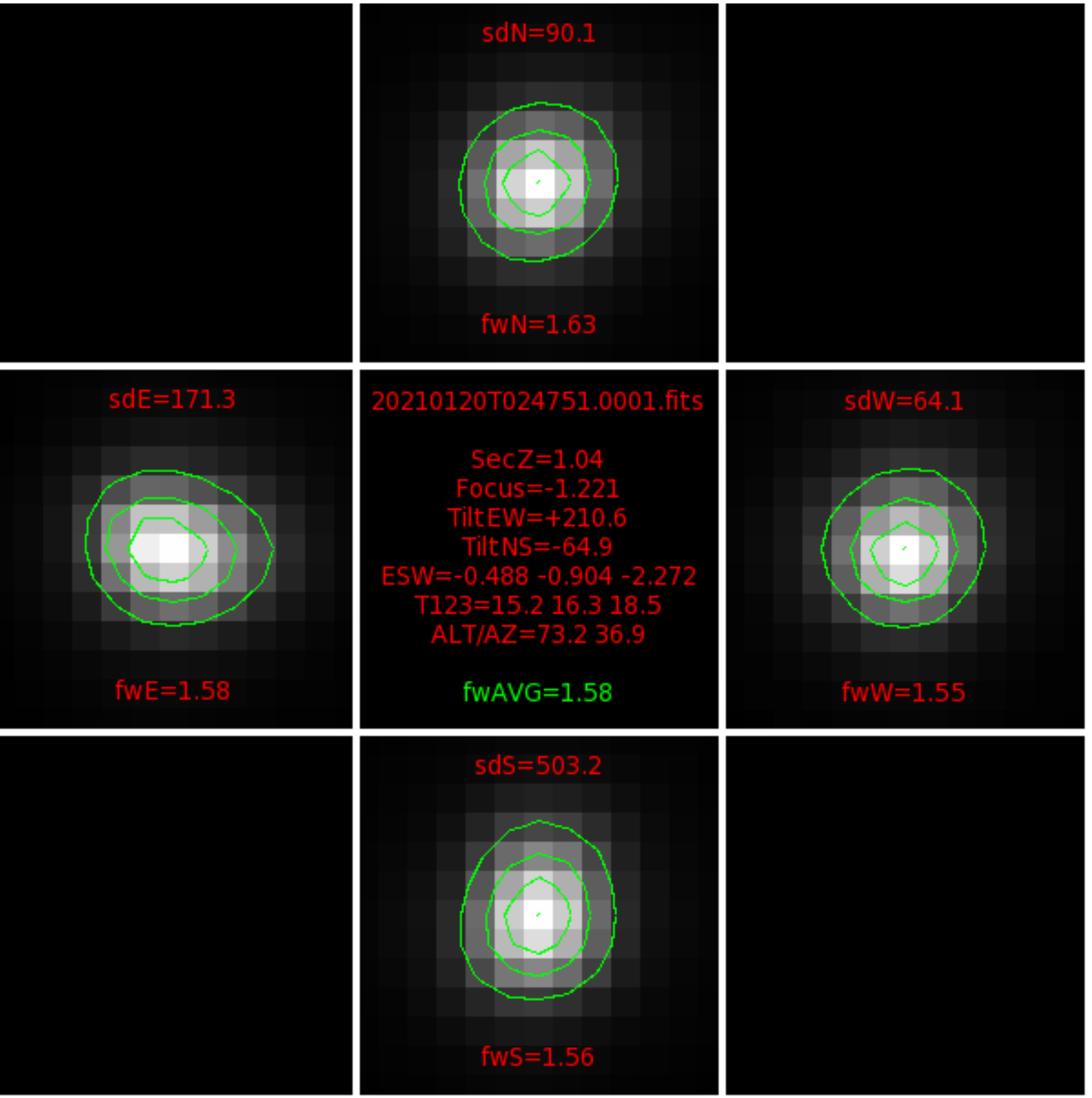
sdN=90.1
fwN=1.63
sdE=171.3
fwE=1.58
20210120T024751.0001.fits
SecZ=1.04
Focus=-1.221
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.488 -0.904 -2.272
T123=15.2 16.3 18.5
ALT/AZ=73.2 36.9
fwAVG=1.58
sdW=64.1
fwW=1.55
sdS=503.2
fwS=1.56
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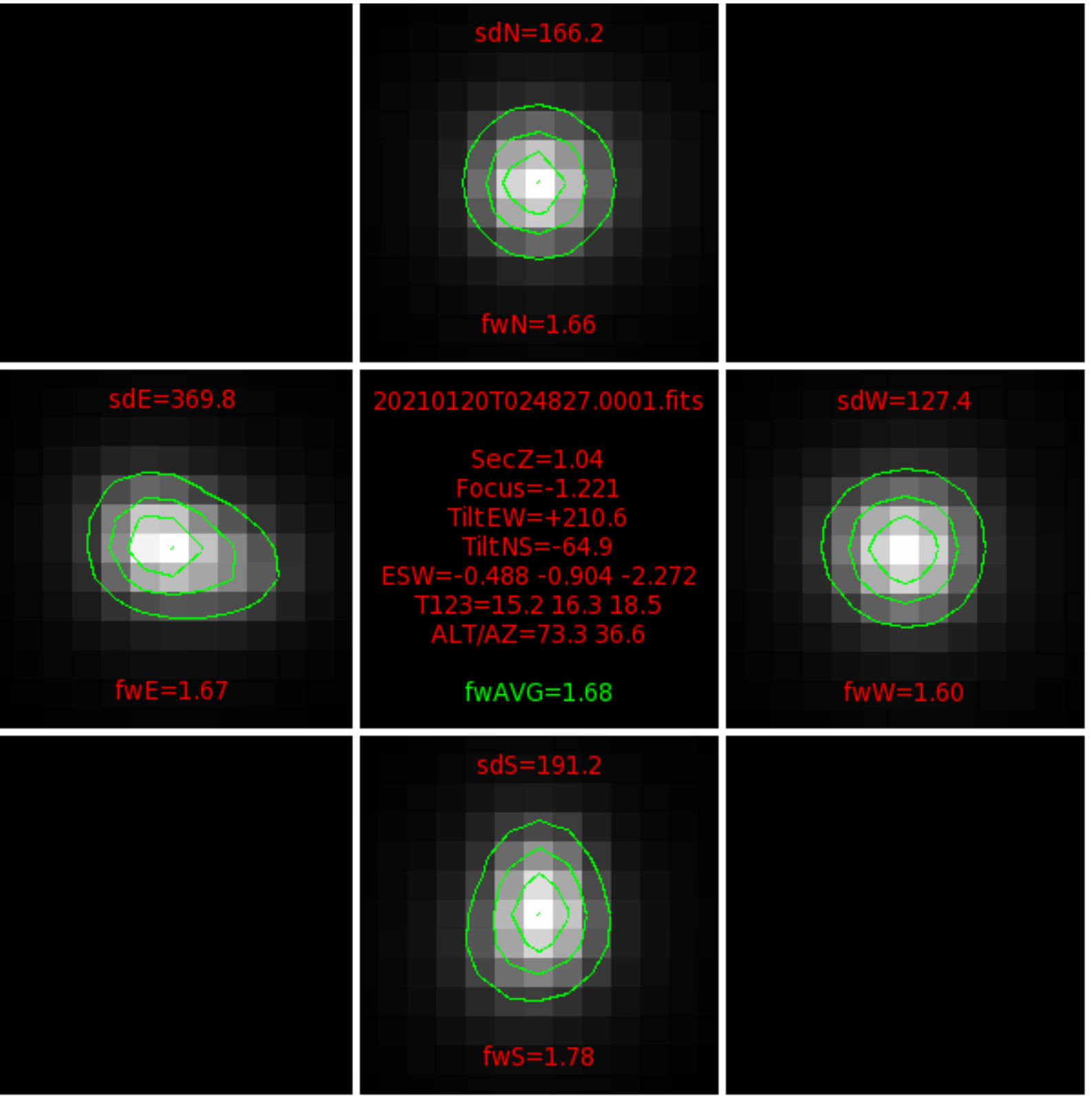
sdN=166.2
fwN=1.66
sdE=369.8
fwE=1.67
20210120T024827.0001.fits
SecZ=1.04
Focus=-1.221
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.488 -0.904 -2.272
T123=15.2 16.3 18.5
ALT/AZ=73.3 36.6
fwAVG=1.68
sdW=127.4
fwW=1.60
sdS=191.2
fwS=1.78
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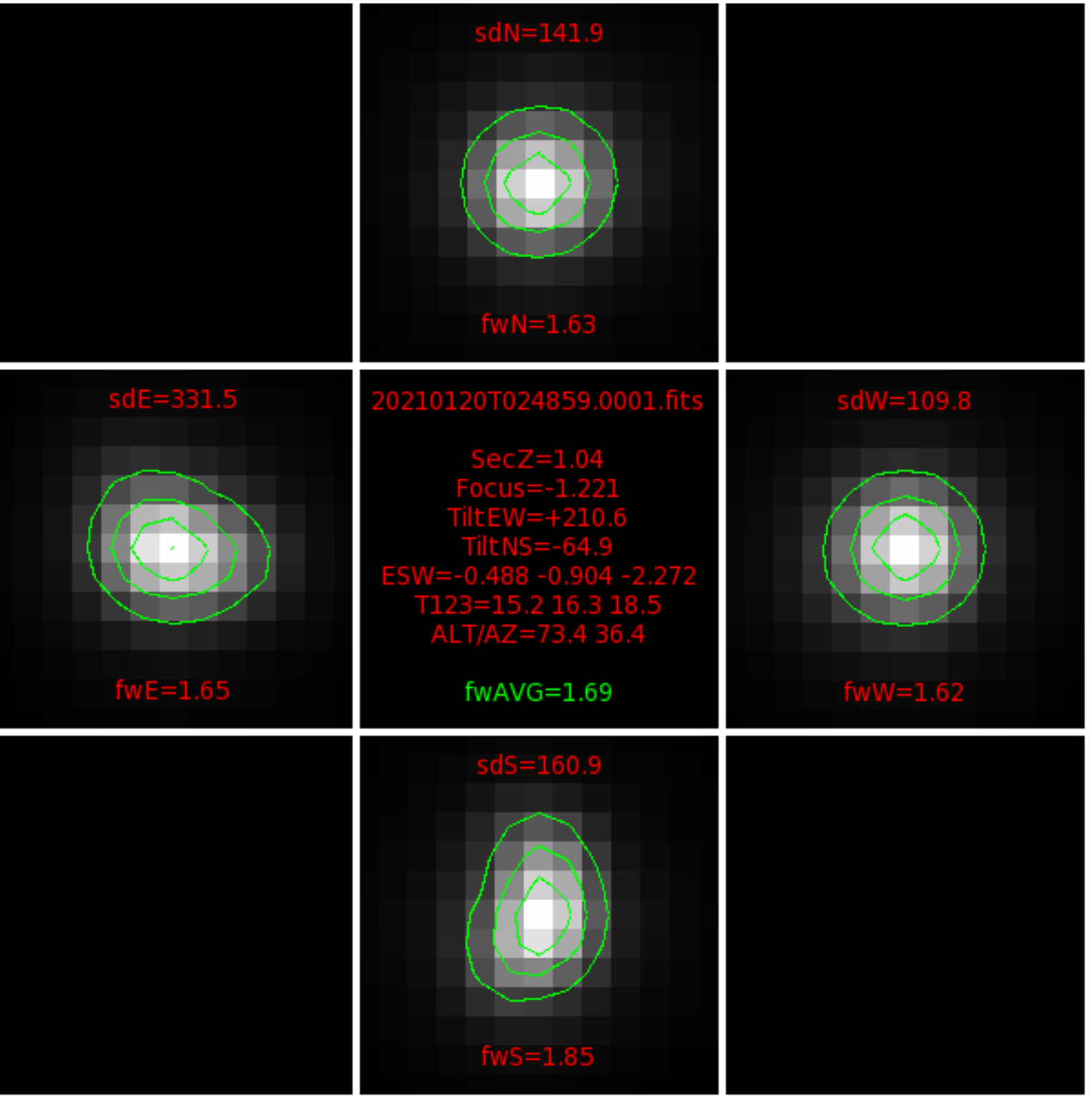
sdN=141.9
fwN=1.63
sdE=331.5
fwE=1.65
20210120T024859.0001.fits
SecZ=1.04
Focus=-1.221
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.488 -0.904 -2.272
T123=15.2 16.3 18.5
ALT/AZ=73.4 36.4
fwAVG=1.69
sdW=109.8
fwW=1.62
sdS=160.9
fwS=1.85
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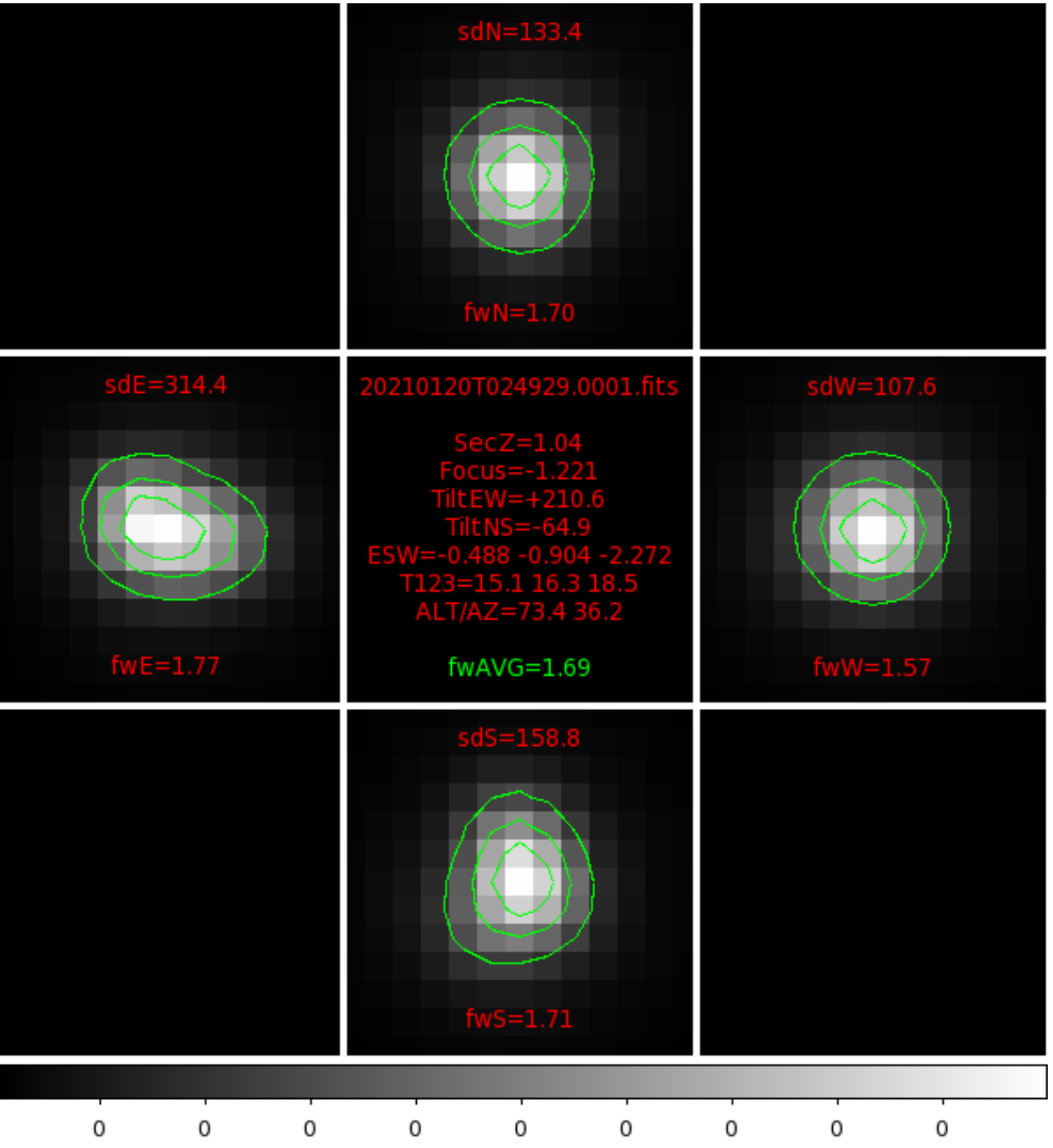
sdN=133.4
fwN=1.70
sdE=314.4
fwE=1.77
20210120T024929.0001.fits
SecZ=1.04
Focus=-1.221
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.488 -0.904 -2.272
T123=15.1 16.3 18.5
ALT/AZ=73.4 36.2
fwAVG=1.69
sdW=107.6
fwW=1.57
sdS=158.8
fwS=1.71
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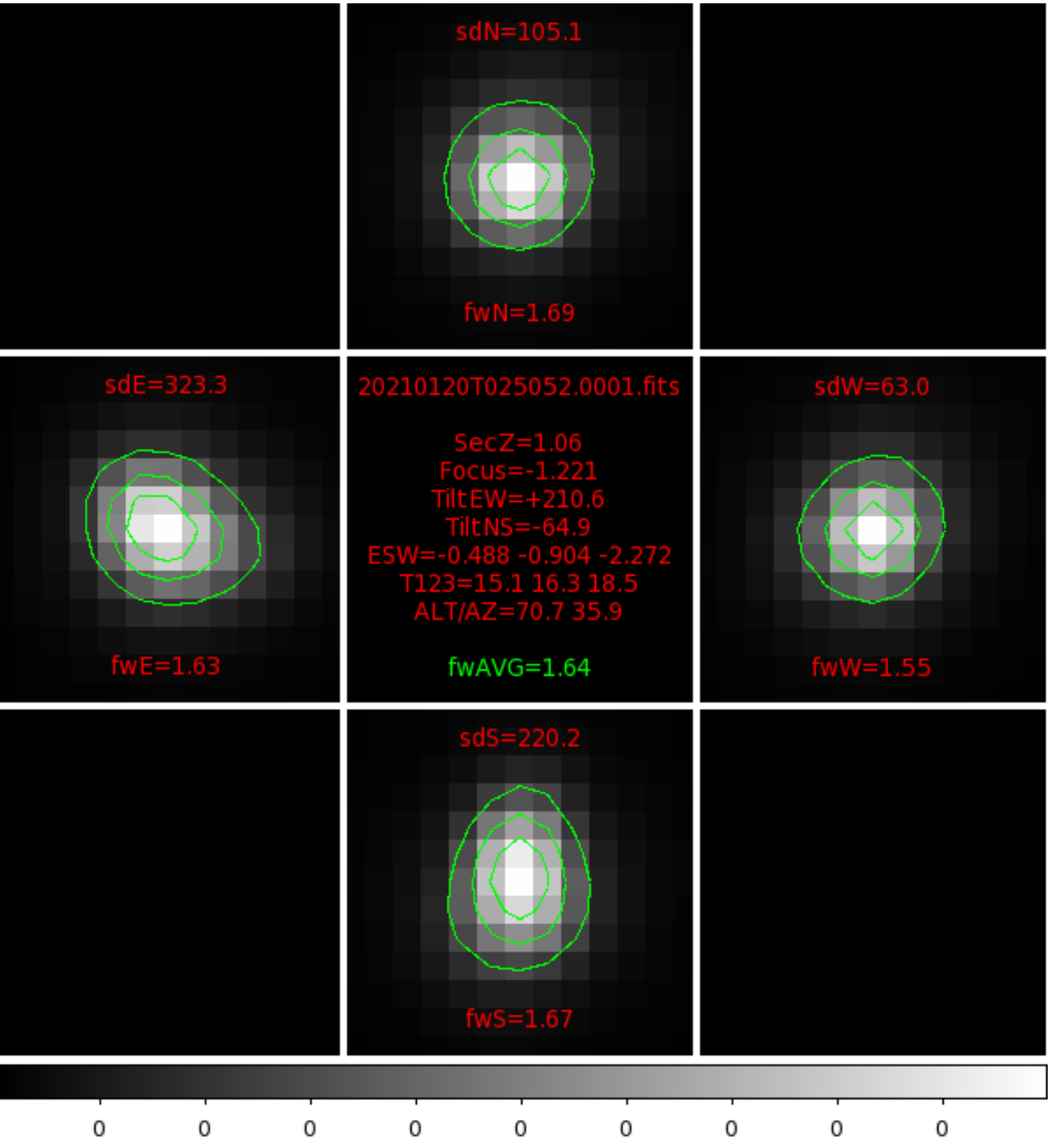
sdN=105.1
fwN=1.69
sdE=323.3
fwE=1.63
20210120T025052.0001.fits
SecZ=1.06
Focus=-1.221
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.488 -0.904 -2.272
T123=15.1 16.3 18.5
ALT/AZ=70.7 35.9
fwAVG=1.64
sdW=63.0
fwW=1.55
sdS=220.2
fwS=1.67
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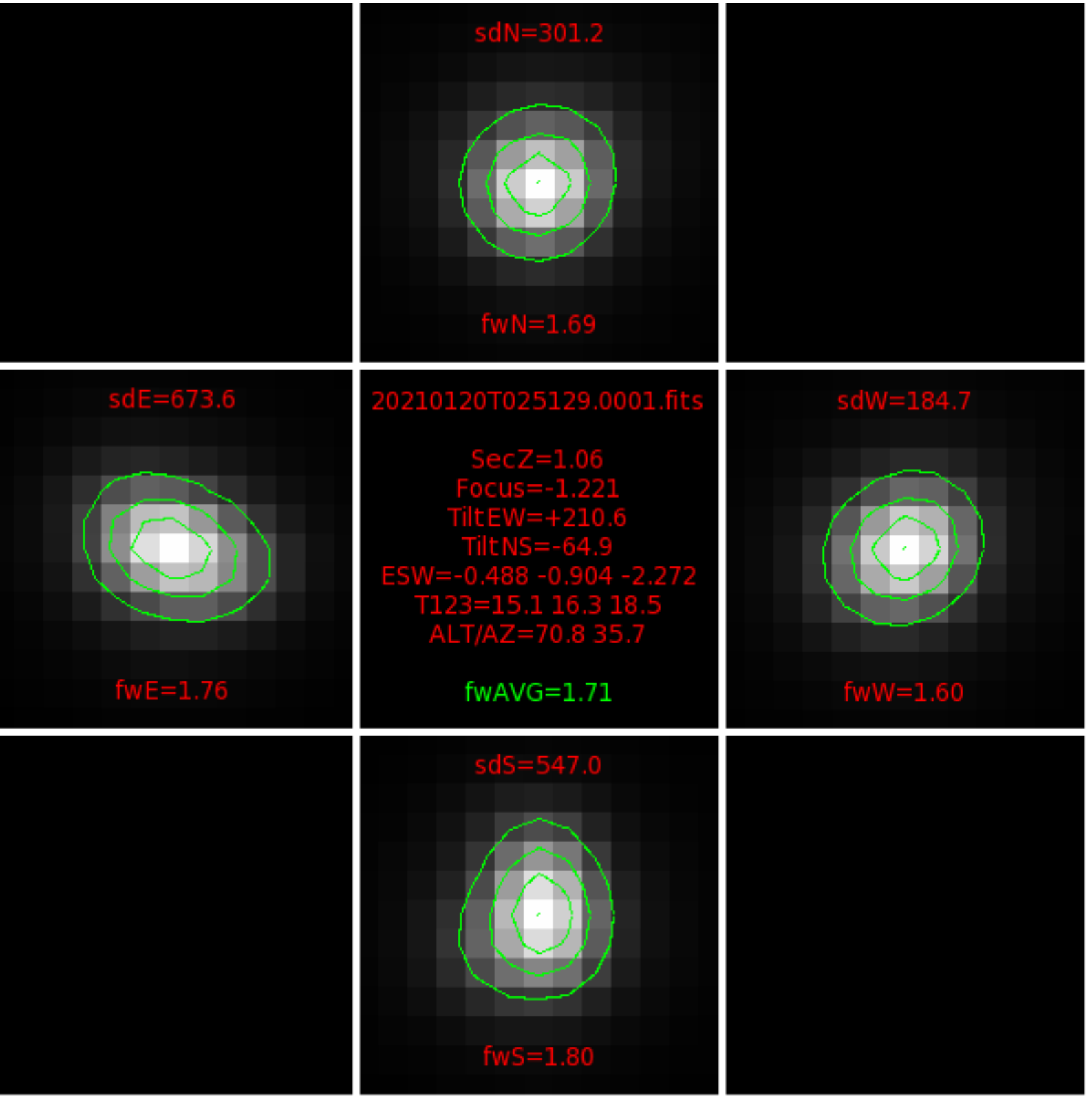
sdN=301.2
fwN=1.69
sdE=673.6
fwE=1.76
20210120T025129.0001.fits
SecZ=1.06
Focus=-1.221
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.488 -0.904 -2.272
T123=15.1 16.3 18.5
ALT/AZ=70.8 35.7
fwAVG=1.71
sdW=184.7
fwW=1.60
sdS=547.0
fwS=1.80
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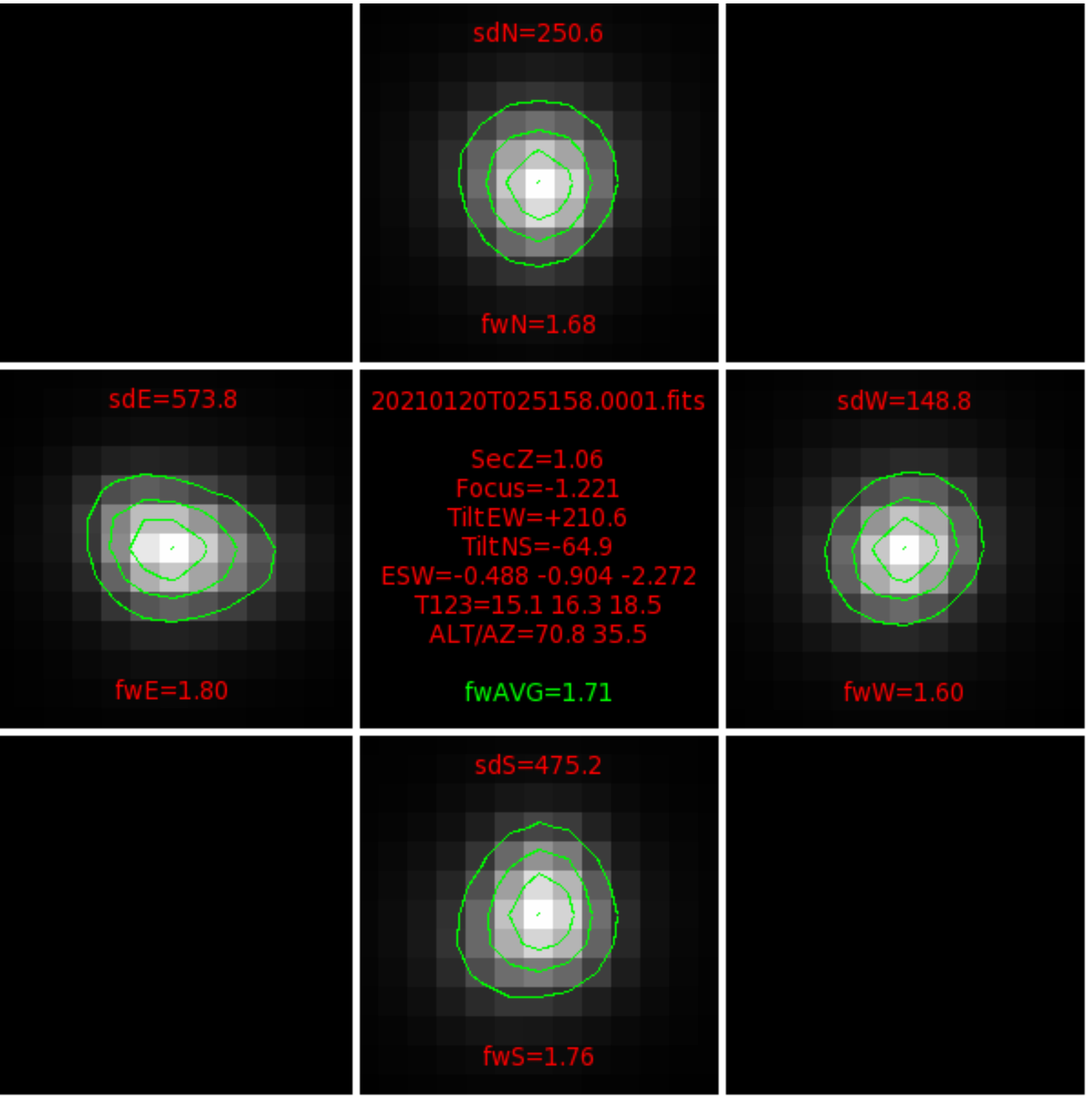
sdN=250.6
fwN=1.68
sdE=573.8
fwE=1.80
20210120T025158.0001.fits
SecZ=1.06
Focus=-1.221
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.488 -0.904 -2.272
T123=15.1 16.3 18.5
ALT/AZ=70.8 35.5
fwAVG=1.71
sdW=148.8
fwW=1.60
sdS=475.2
fwS=1.76
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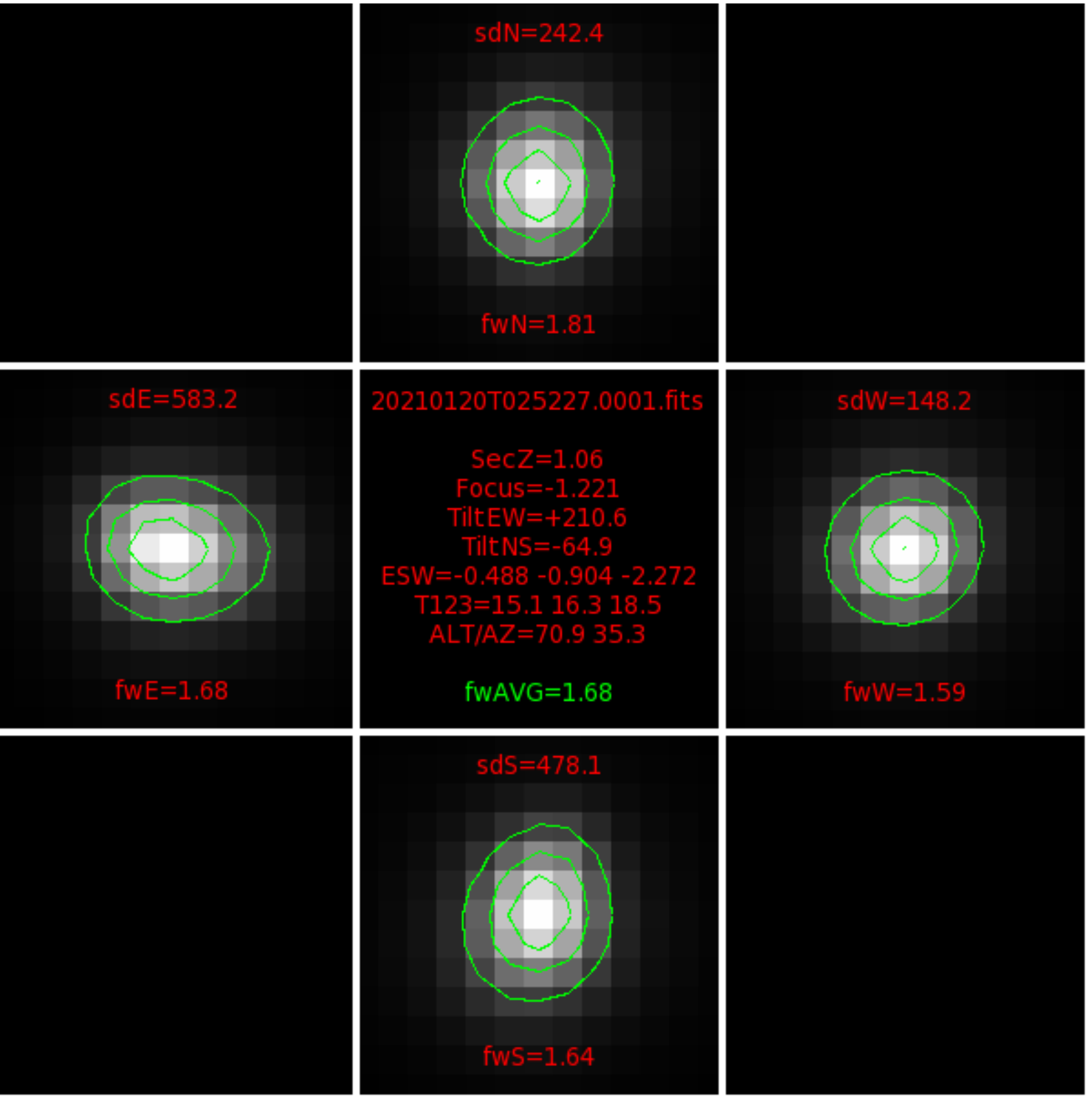
sdN=242.4
fwN=1.81
sdE=583.2
fwE=1.68
20210120T025227.0001.fits
SecZ=1.06
Focus=-1.221
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.488 -0.904 -2.272
T123=15.1 16.3 18.5
ALT/AZ=70.9 35.3
fwAVG=1.68
sdW=148.2
fwW=1.59
sdS=478.1
fwS=1.64
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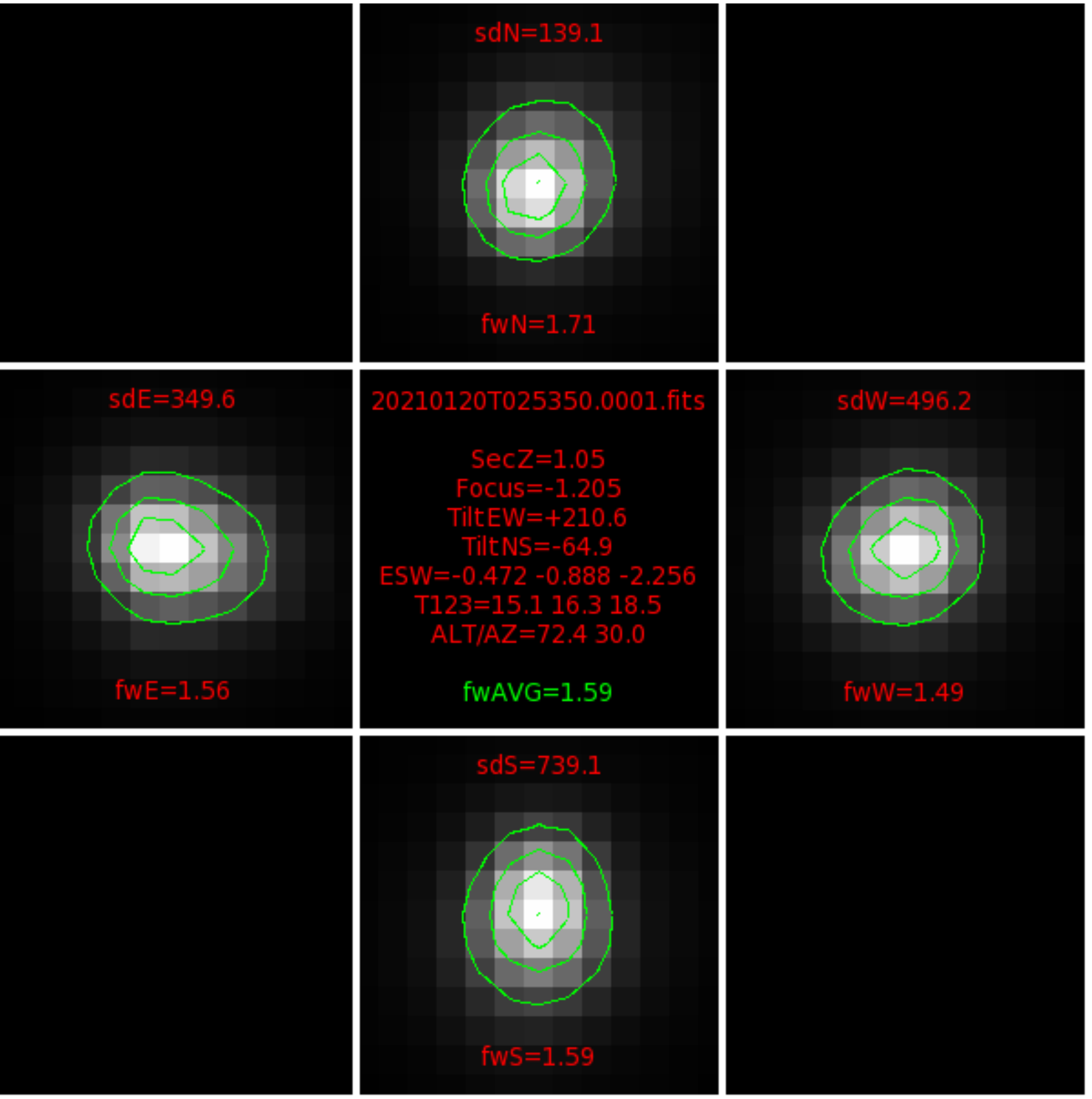
sdN=139.1
fwN=1.71
sdE=349.6
fwE=1.56
20210120T025350.0001.fits
SecZ=1.05
Focus=-1.205
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.472 -0.888 -2.256
T123=15.1 16.3 18.5
ALT/AZ=72.4 30.0
fwAVG=1.59
sdW=496.2
fwW=1.49
sdS=739.1
fwS=1.59
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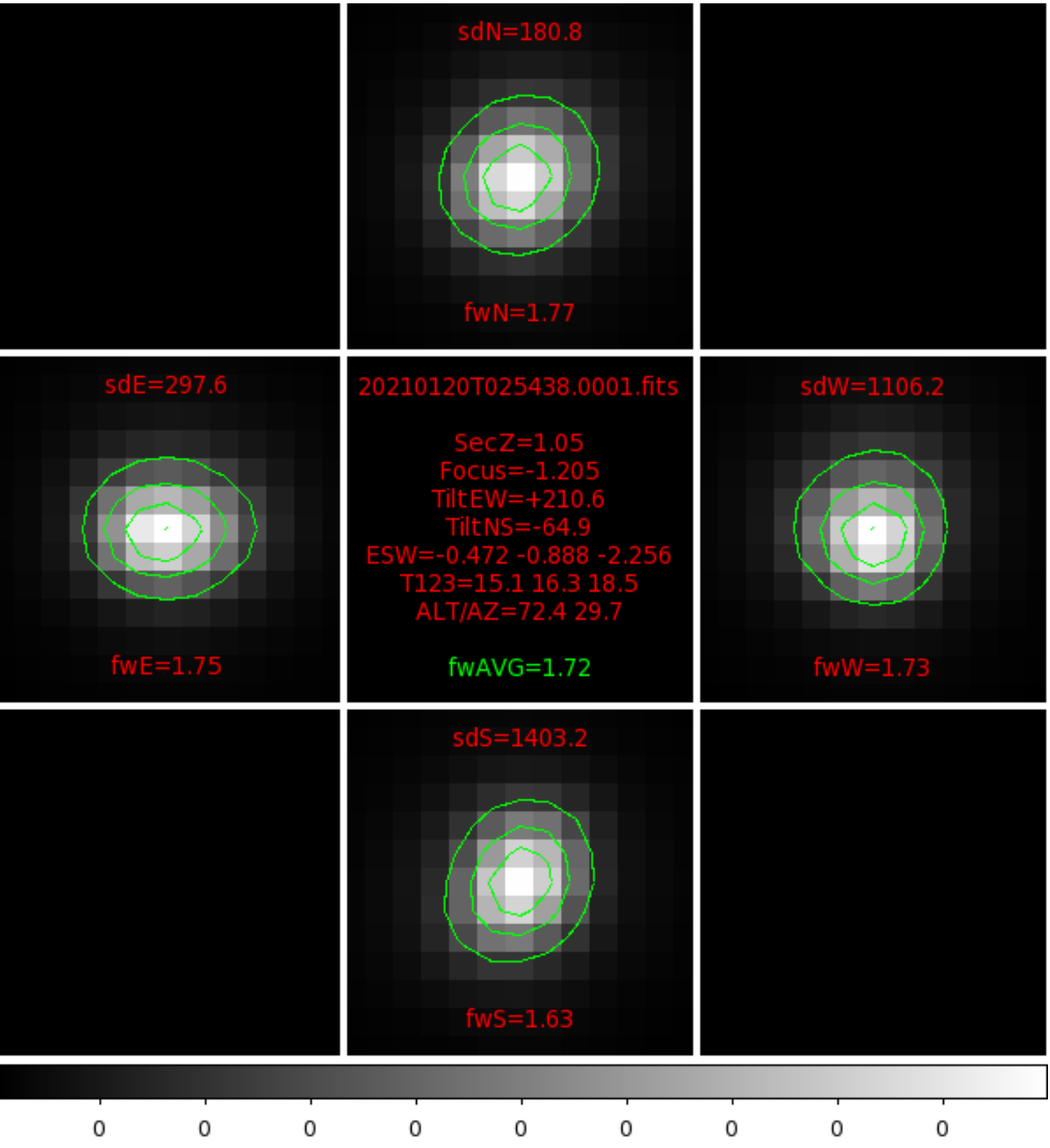
sdN=180.8
fwN=1.77
sdE=297.6
fwE=1.75
20210120T025438.0001.fits
SecZ=1.05
Focus=-1.205
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.472 -0.888 -2.256
T123=15.1 16.3 18.5
ALT/AZ=72.4 29.7
fwAVG=1.72
sdW=1106.2
fwW=1.73
sdS=1403.2
fwS=1.63
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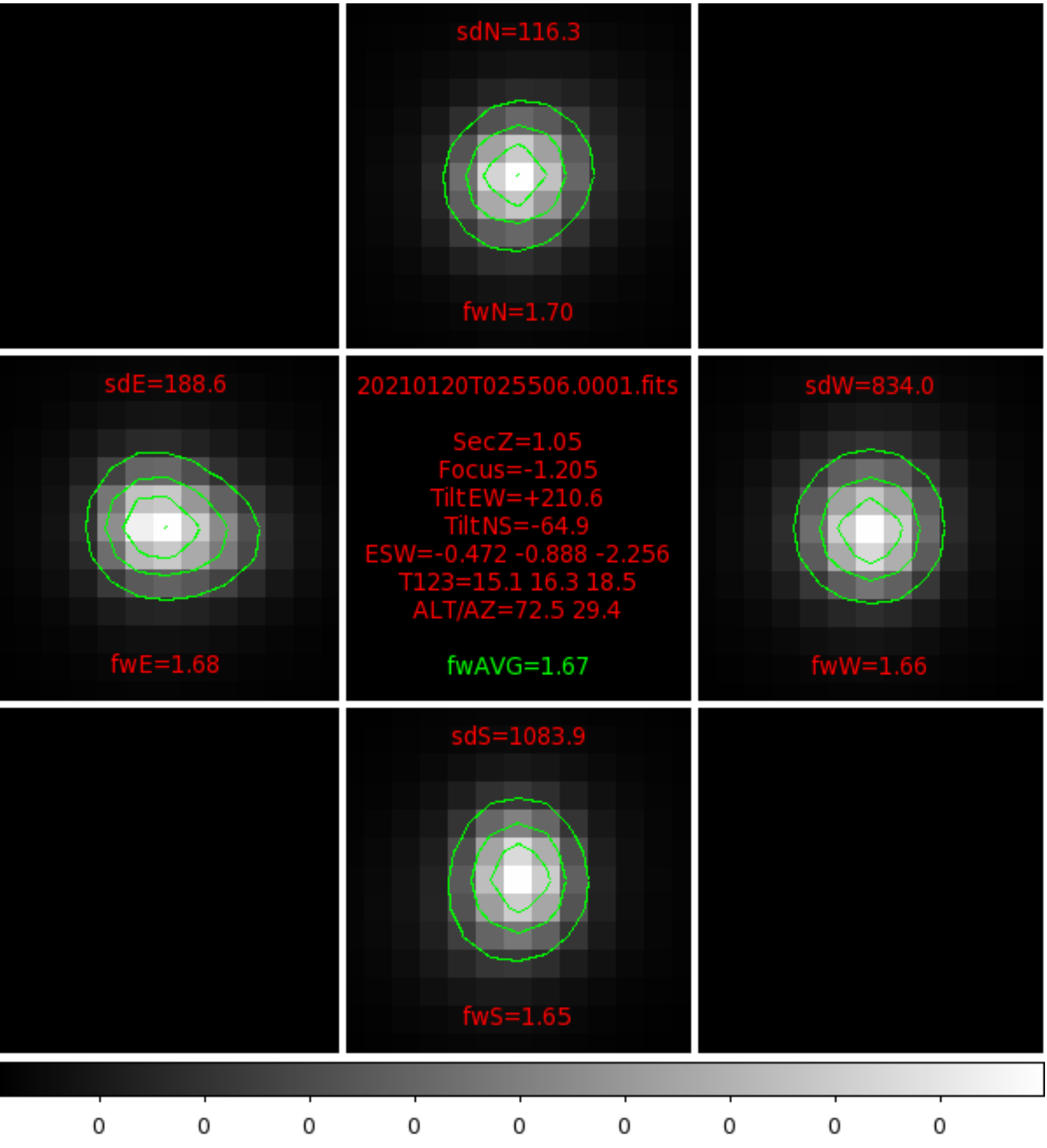
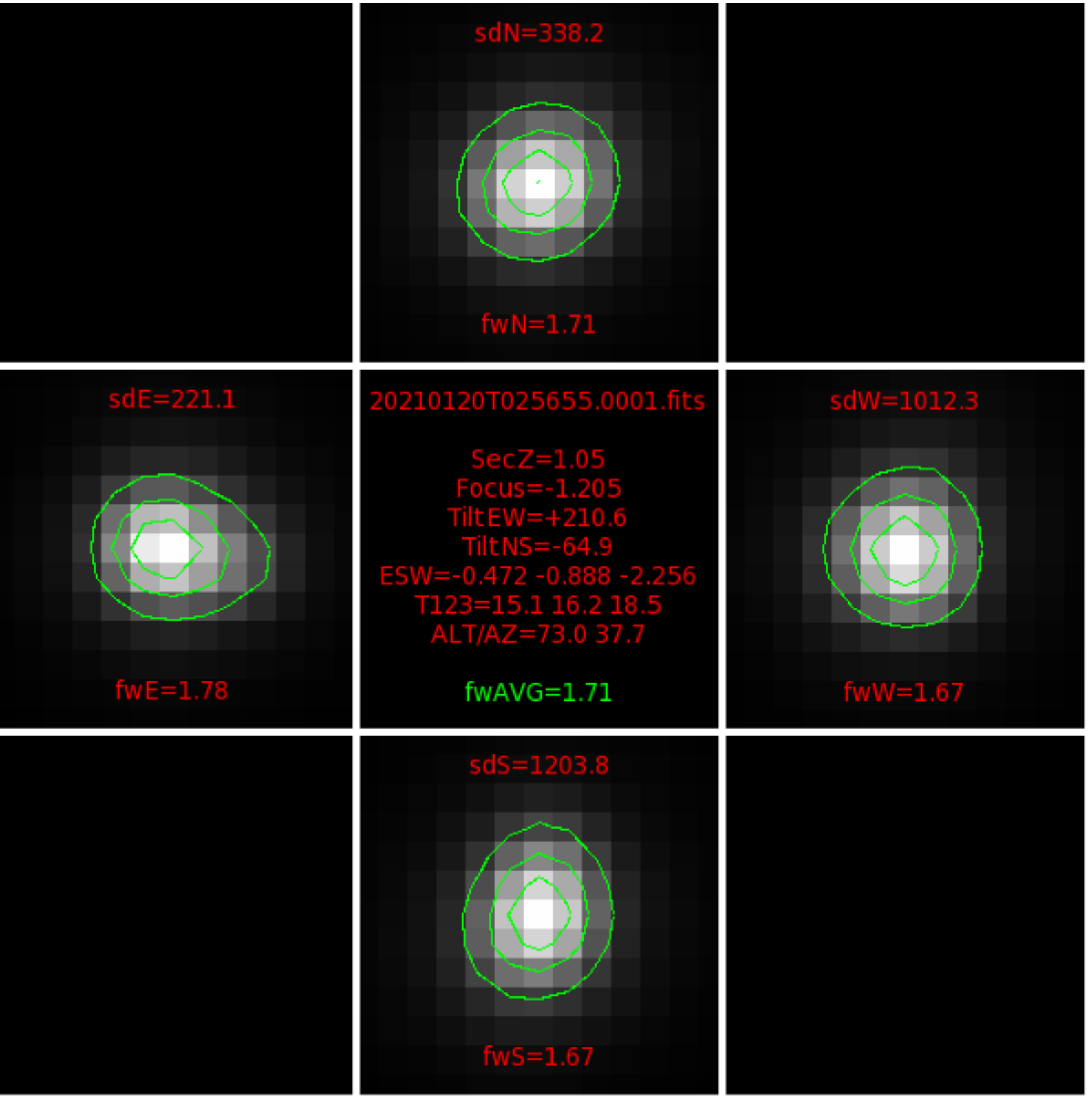

sdN=116.3
fwN=1.70
sdE=188.6
fwE=1.68
20210120T025506.0001.fits
SecZ=1.05
Focus=-1.205
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.472 -0.888 -2.256
T123=15.1 16.3 18.5
ALT/AZ=72.5 29.4
fwAVG=1.67
sdW=834.0
fwW=1.66
sdS=1083.9
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=338.2
fwN=1.71
sdE=221.1
fwE=1.78
20210120T025655.0001.fits
SecZ=1.05
Focus=-1.205
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.472 -0.888 -2.256
T123=15.1 16.2 18.5
ALT/AZ=73.0 37.7
fwAVG=1.71
sdW=1012.3
fwW=1.67
sdS=1203.8
fwS=1.67
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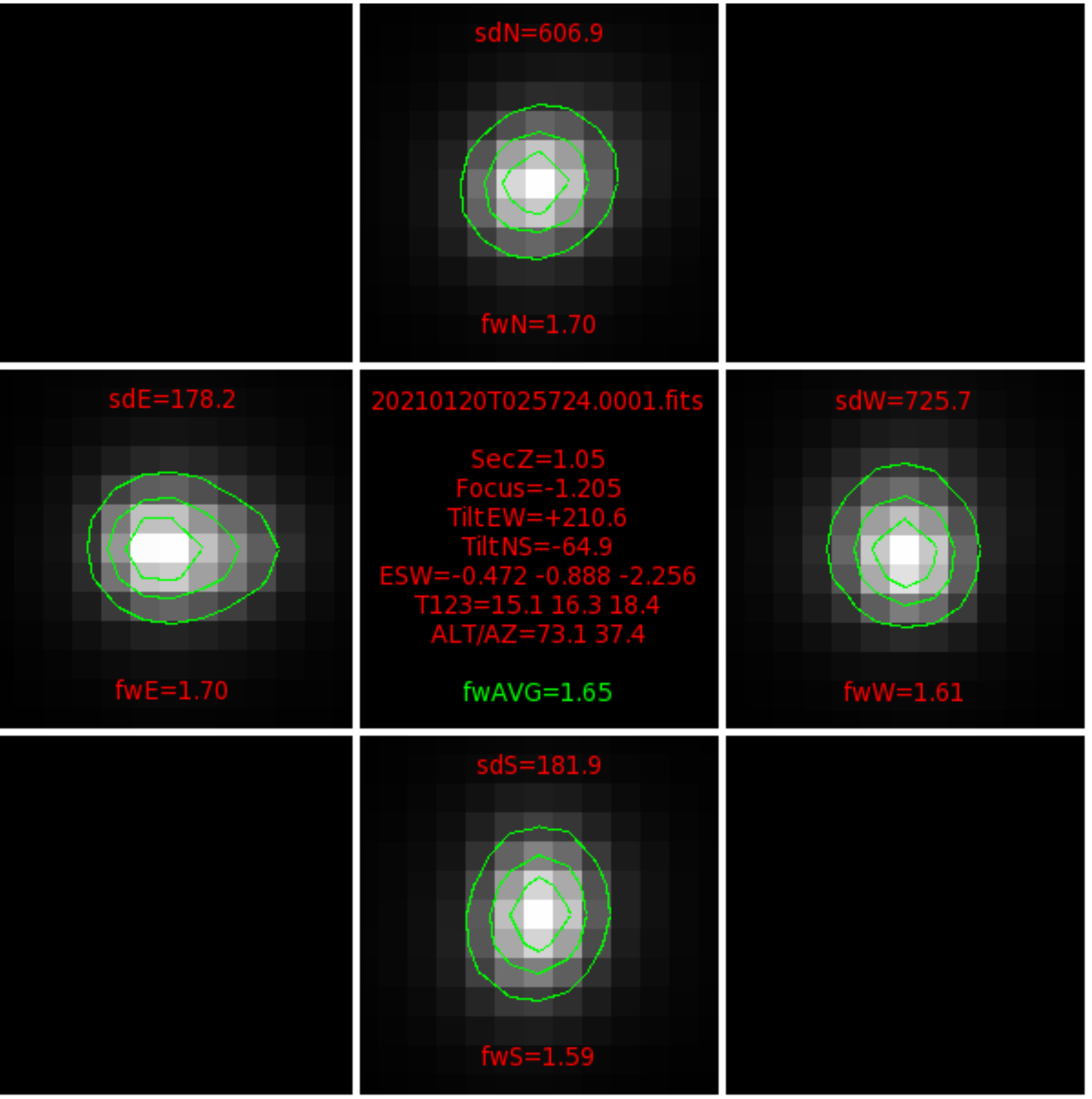
sdN=606.9
fwN=1.70
sdE=178.2
fwE=1.70
20210120T025724.0001.fits
SecZ=1.05
Focus=-1.205
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.472 -0.888 -2.256
T123=15.1 16.3 18.4
ALT/AZ=73.1 37.4
fwAVG=1.65
sdW=725.7
fwW=1.61
sdS=181.9
fwS=1.59
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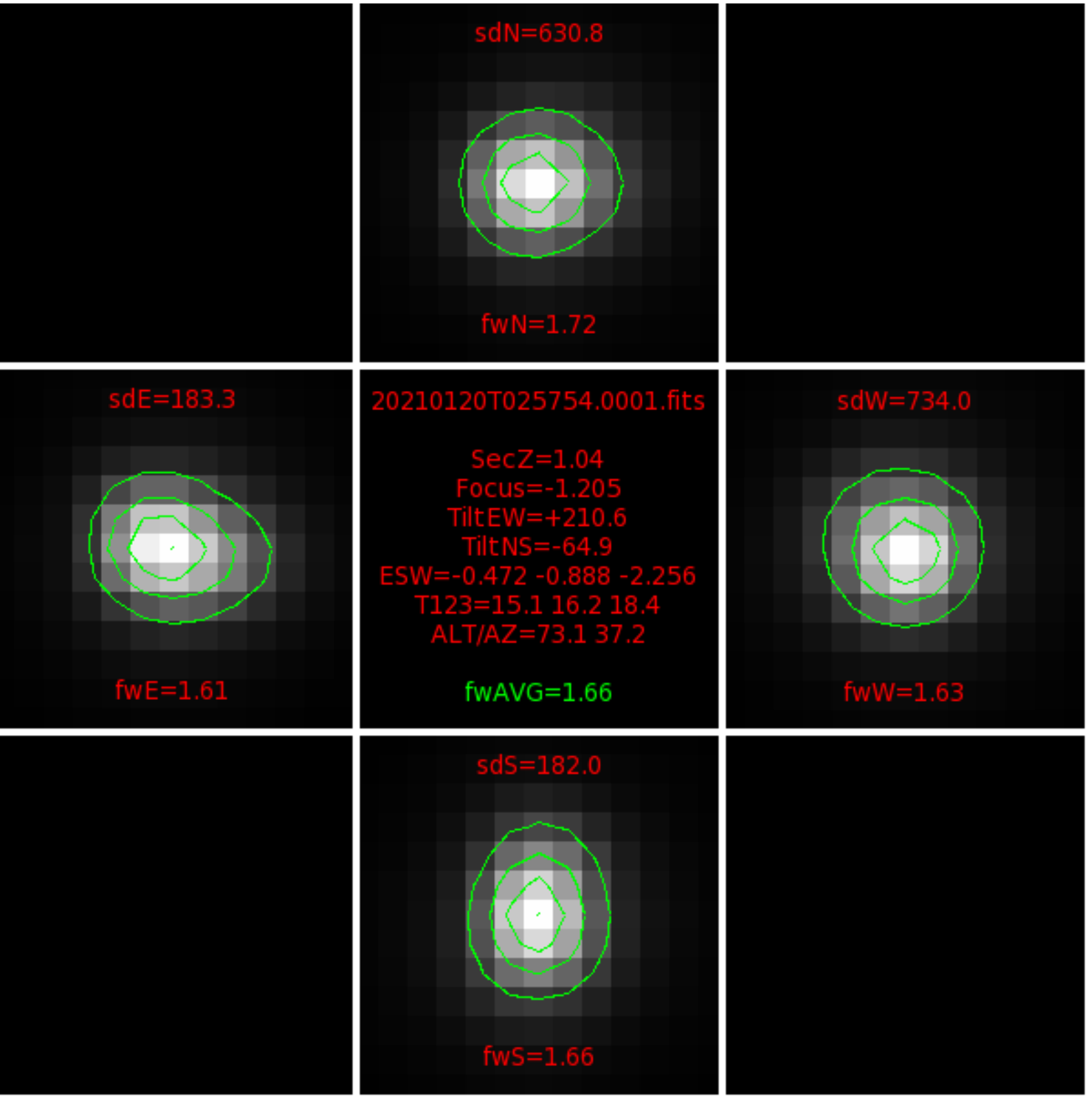
sdN=630.8
fwN=1.72
sdE=183.3
fwE=1.61
20210120T025754.0001.fits
SecZ=1.04
Focus=-1.205
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.472 -0.888 -2.256
T123=15.1 16.2 18.4
ALT/AZ=73.1 37.2
fwAVG=1.66
sdW=734.0
fwW=1.63
sdS=182.0
fwS=1.66
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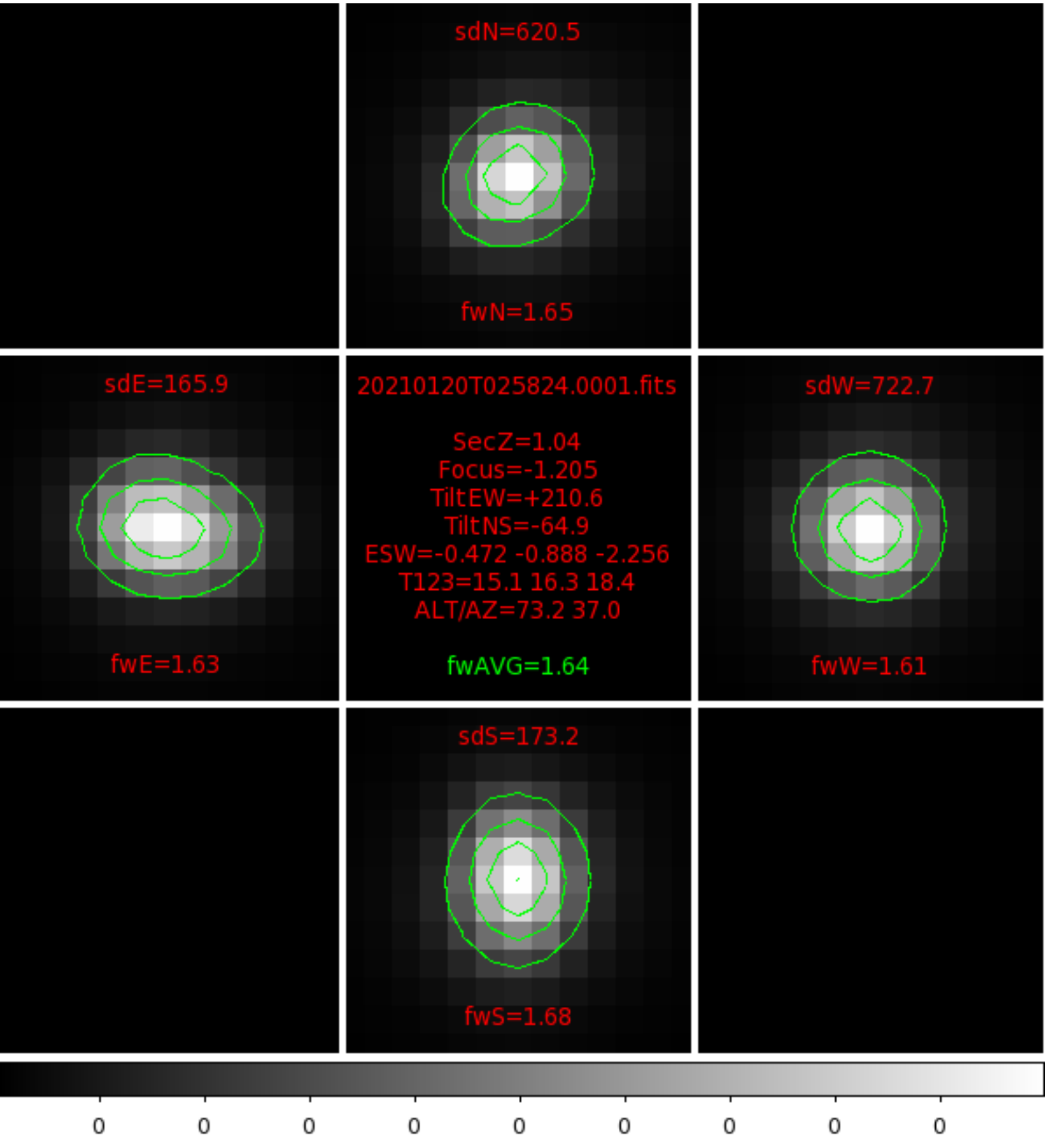
sdN=620.5
fwN=1.65
sdE=165.9
fwE=1.63
20210120T025824.0001.fits
SecZ=1.04
Focus=-1.205
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.472 -0.888 -2.256
T123=15.1 16.3 18.4
ALT/AZ=73.2 37.0
fwAVG=1.64
sdW=722.7
fwW=1.61
sdS=173.2
fwS=1.68
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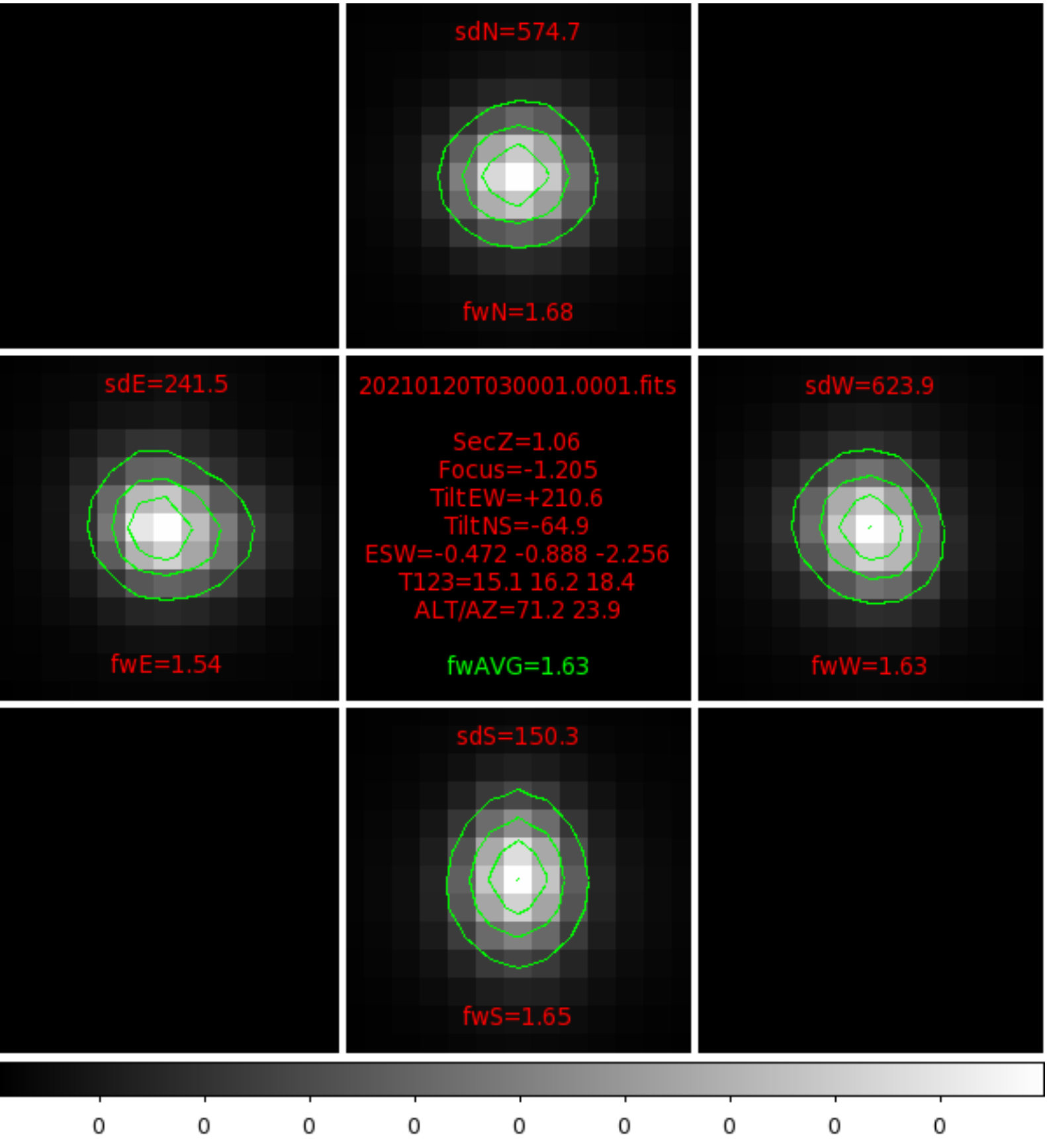
sdN=574.7
fwN=1.68
sdE=241.5
fwE=1.54
20210120T030001.0001.fits
SecZ=1.06
Focus=-1.205
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.472 -0.888 -2.256
T123=15.1 16.2 18.4
ALT/AZ=71.2 23.9
fwAVG=1.63
sdW=623.9
fwW=1.63
sdS=150.3
fwS=1.65
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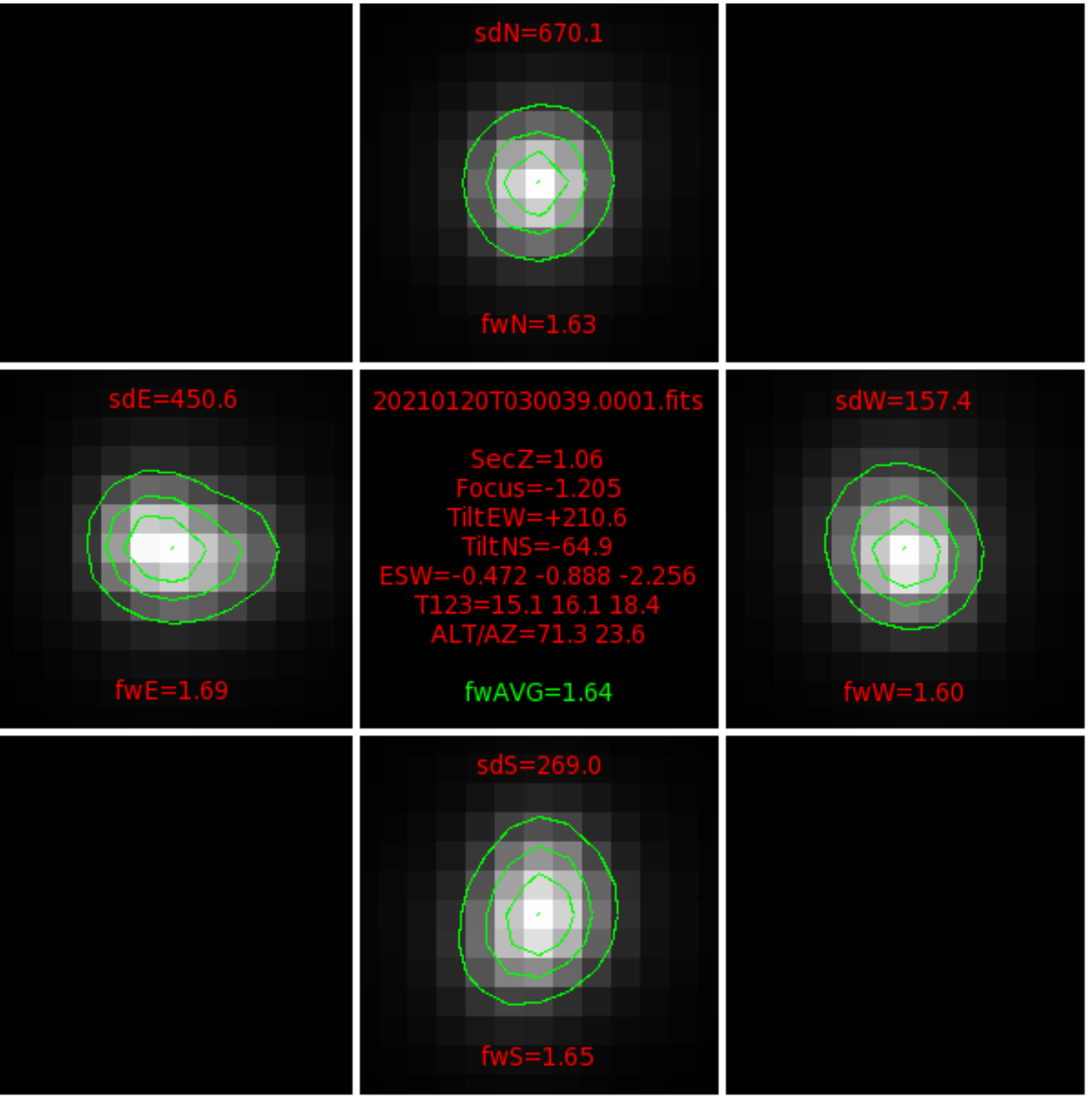
sdN=670.1
fwN=1.63
sdE=450.6
fwE=1.69
20210120T030039.0001.fits
SecZ=1.06
Focus=-1.205
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.472 -0.888 -2.256
T123=15.1 16.1 18.4
ALT/AZ=71.3 23.6
fwAVG=1.64
sdW=157.4
fwW=1.60
sdS=269.0
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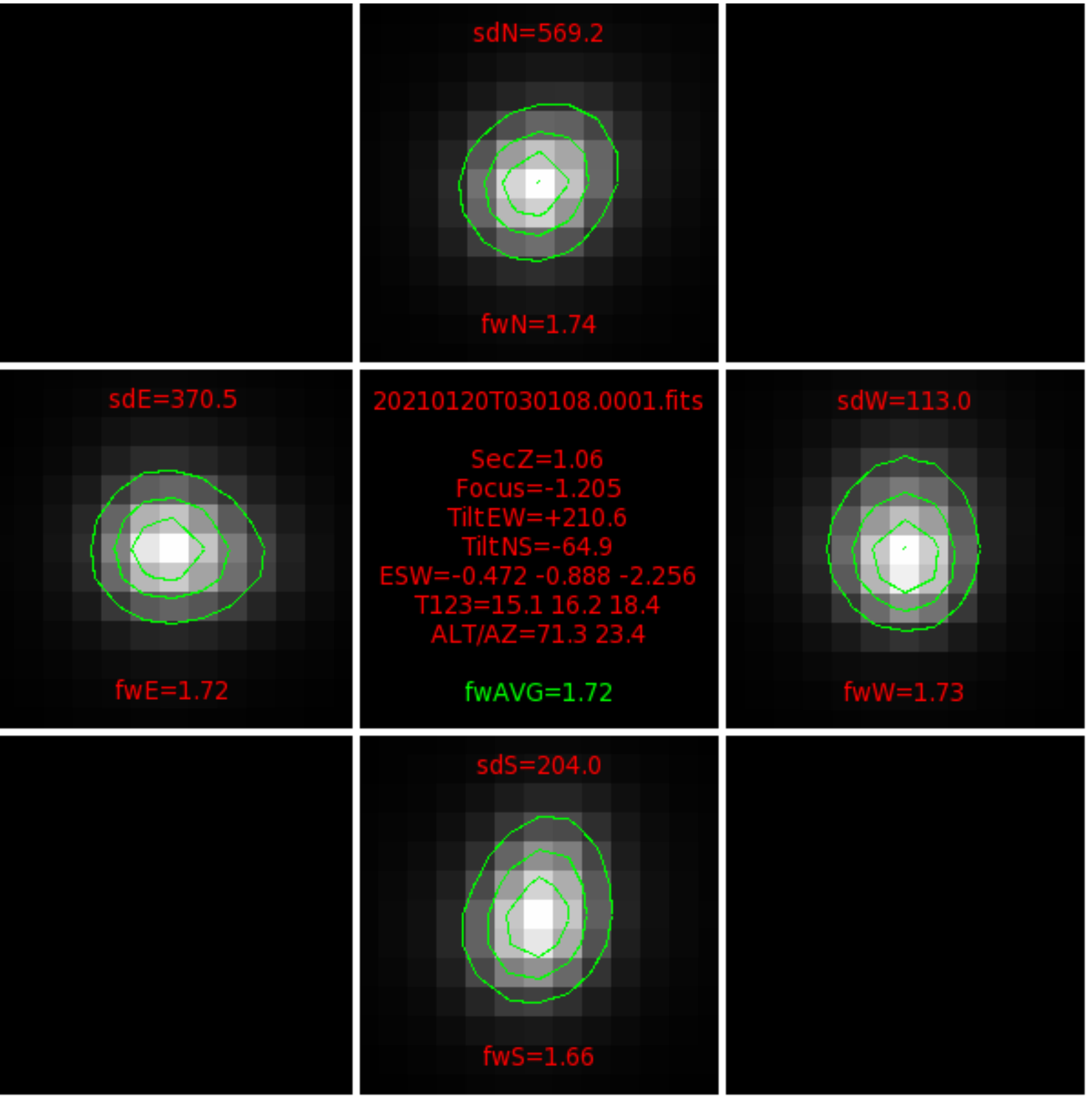
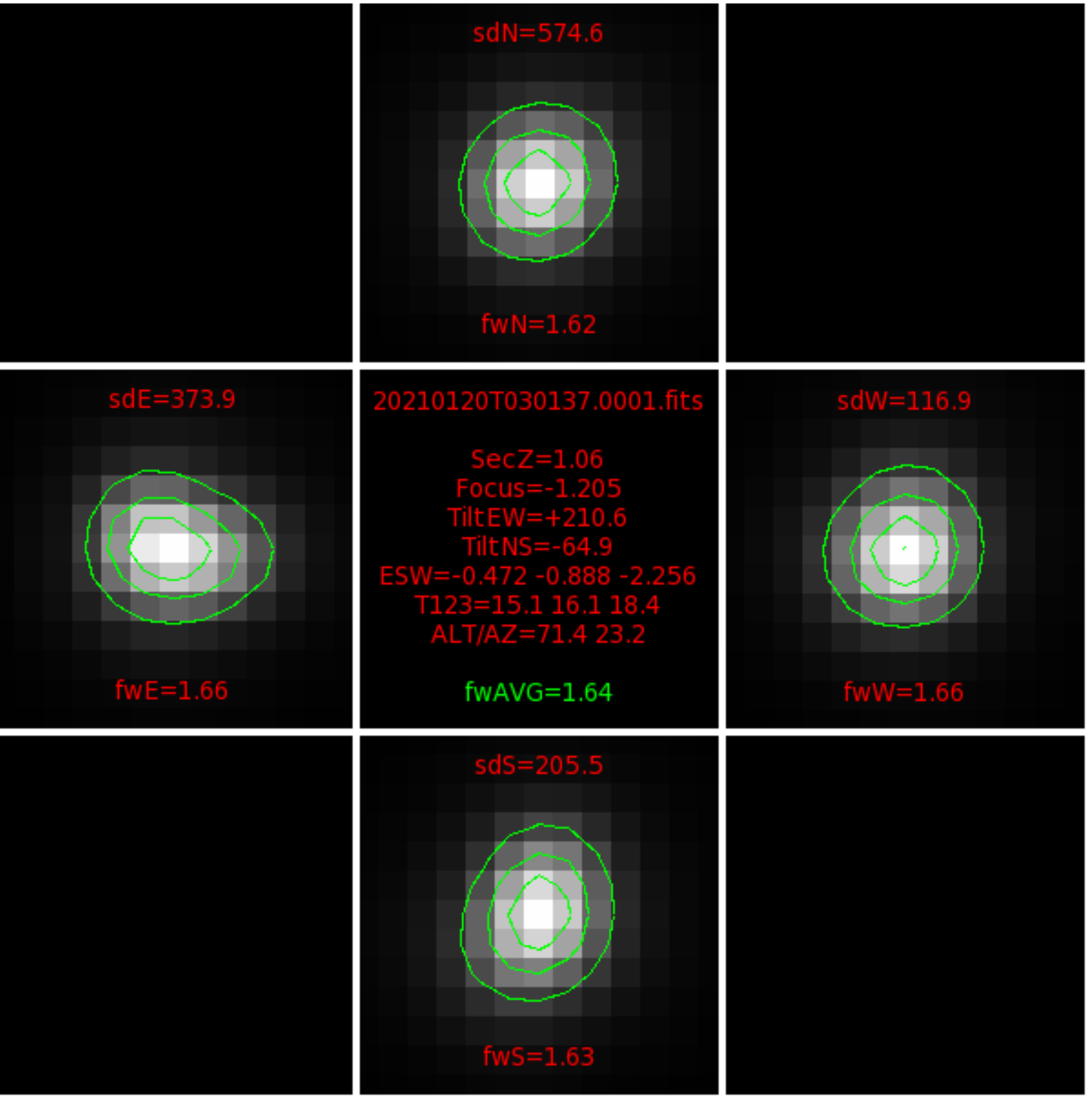

sdN=569.2
fwN=1.74
sdE=370.5
fwE=1.72
20210120T030108.0001.fits
SecZ=1.06
Focus=-1.205
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.472 -0.888 -2.256
T123=15.1 16.2 18.4
ALT/AZ=71.3 23.4
fwAVG=1.72
sdW=113.0
fwW=1.73
sdS=204.0
fwS=1.66
0 0 0 0 0 0 0 0 0


sdN=574.6
fwN=1.62
sdE=373.9
fwE=1.66
20210120T030137.0001.fits
SecZ=1.06
Focus=-1.205
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.472 -0.888 -2.256
T123=15.1 16.1 18.4
ALT/AZ=71.4 23.2
fwAVG=1.64
sdW=116.9
fwW=1.66
sdS=205.5
fwS=1.63
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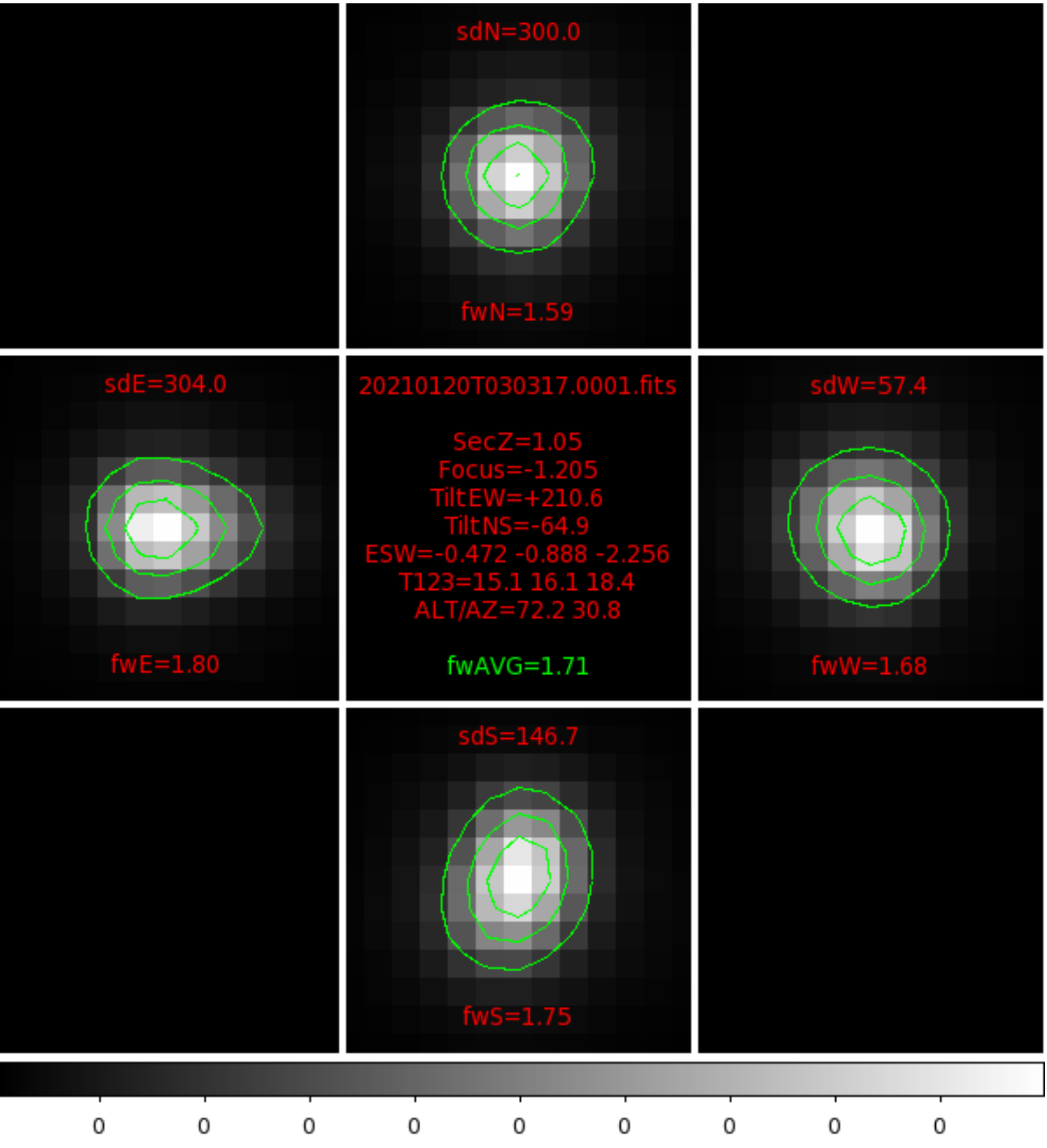
sdN=300.0
fwN=1.59
sdE=304.0
fwE=1.80
20210120T030317.0001.fits
SecZ=1.05
Focus=-1.205
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.472 -0.888 -2.256
T123=15.1 16.1 18.4
ALT/AZ=72.2 30.8
fwAVG=1.71
sdW=57.4
fwW=1.68
sdS=146.7
fwS=1.75
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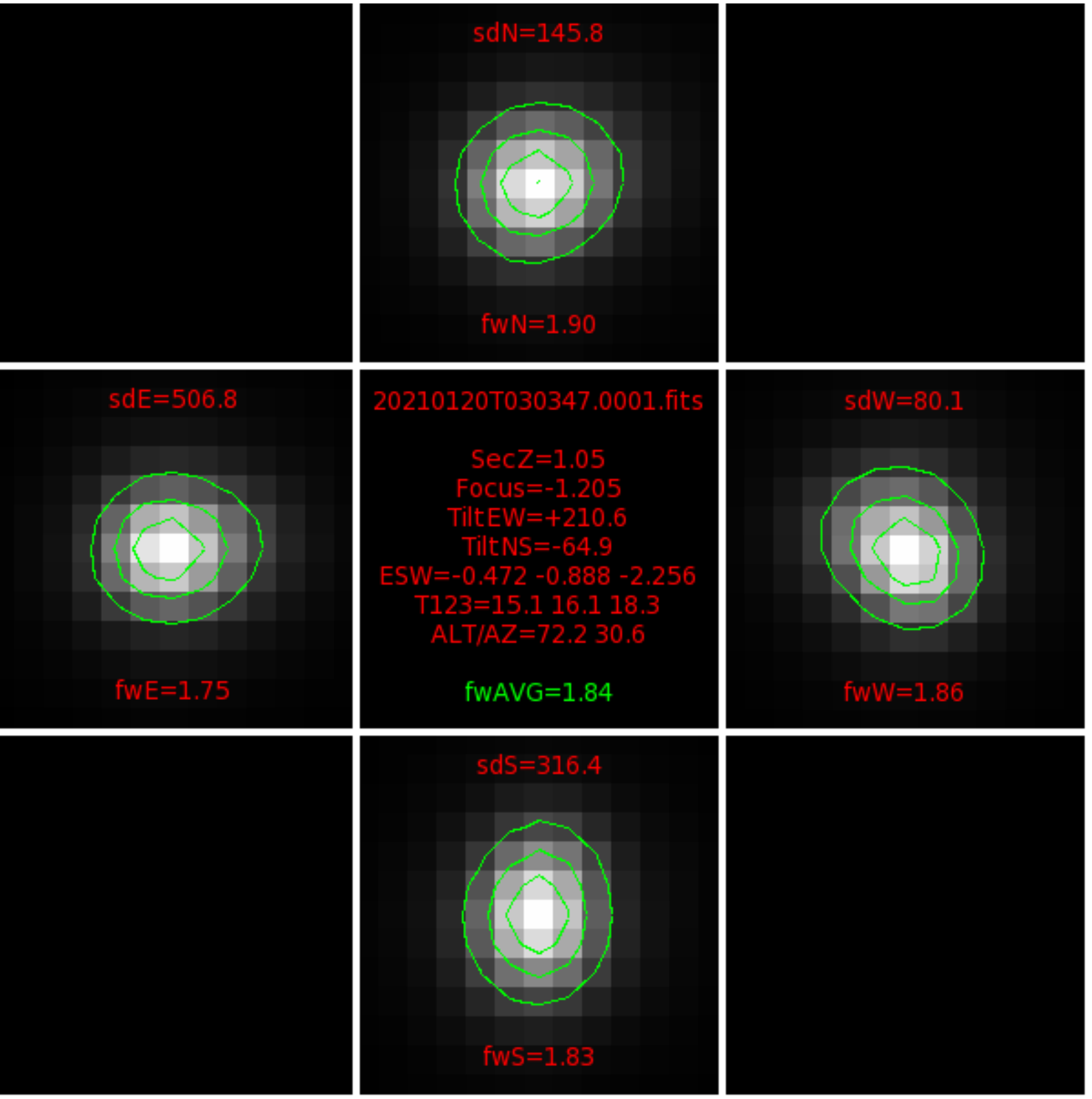
sdN=145.8
fwN=1.90
sdE=506.8
fwE=1.75
20210120T030347.0001.fits
SecZ=1.05
Focus=-1.205
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.472 -0.888 -2.256
T123=15.1 16.1 18.3
ALT/AZ=72.2 30.6
fwAVG=1.84
sdW=80.1
fwW=1.86
sdS=316.4
fwS=1.83
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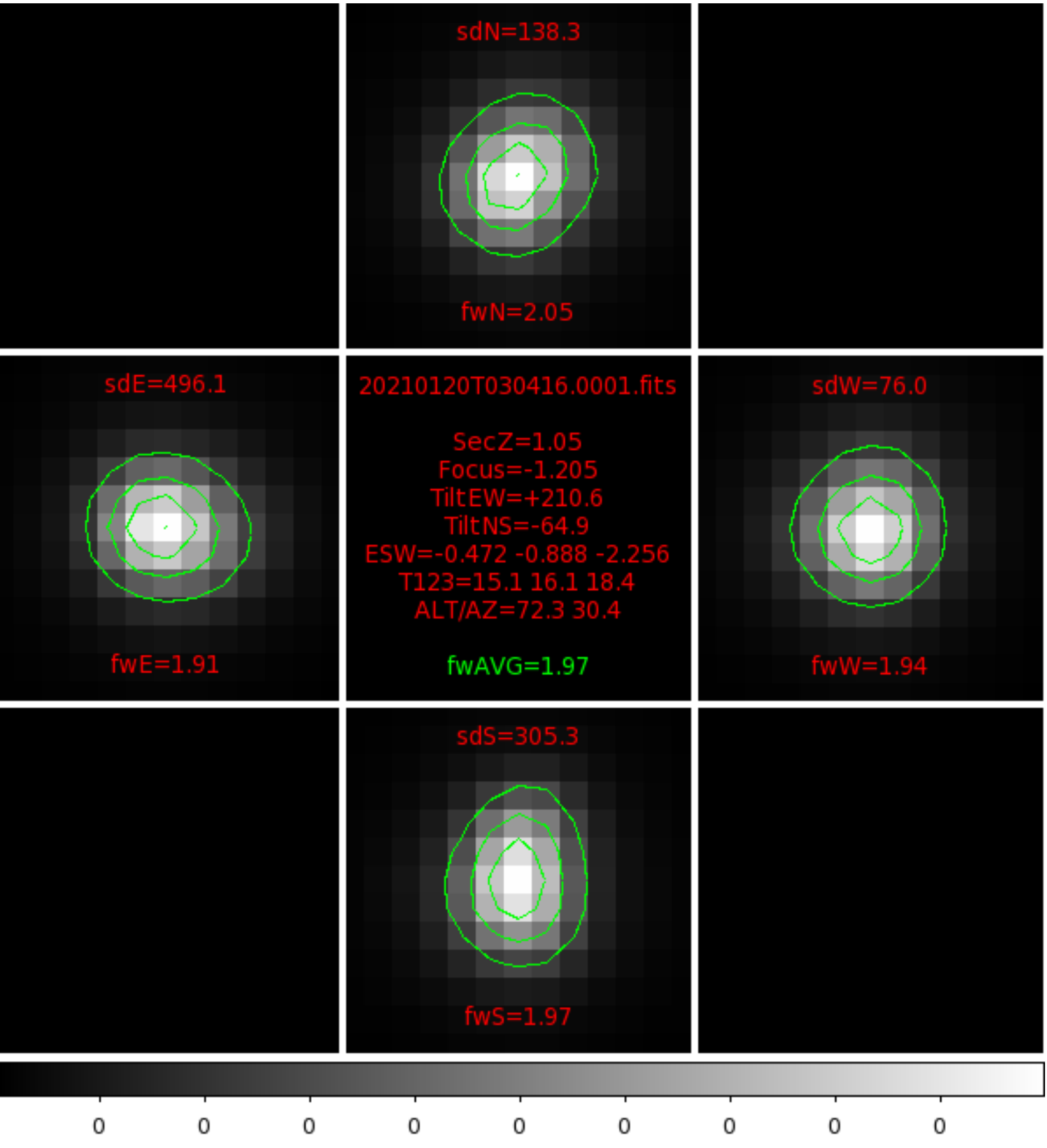
sdN=138.3
fwN=2.05
sdE=496.1
fwE=1.91
20210120T030416.0001.fits
SecZ=1.05
Focus=-1.205
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.472 -0.888 -2.256
T123=15.1 16.1 18.4
ALT/AZ=72.3 30.4
fwAVG=1.97
sdW=76.0
fwW=1.94
sdS=305.3
fwS=1.97
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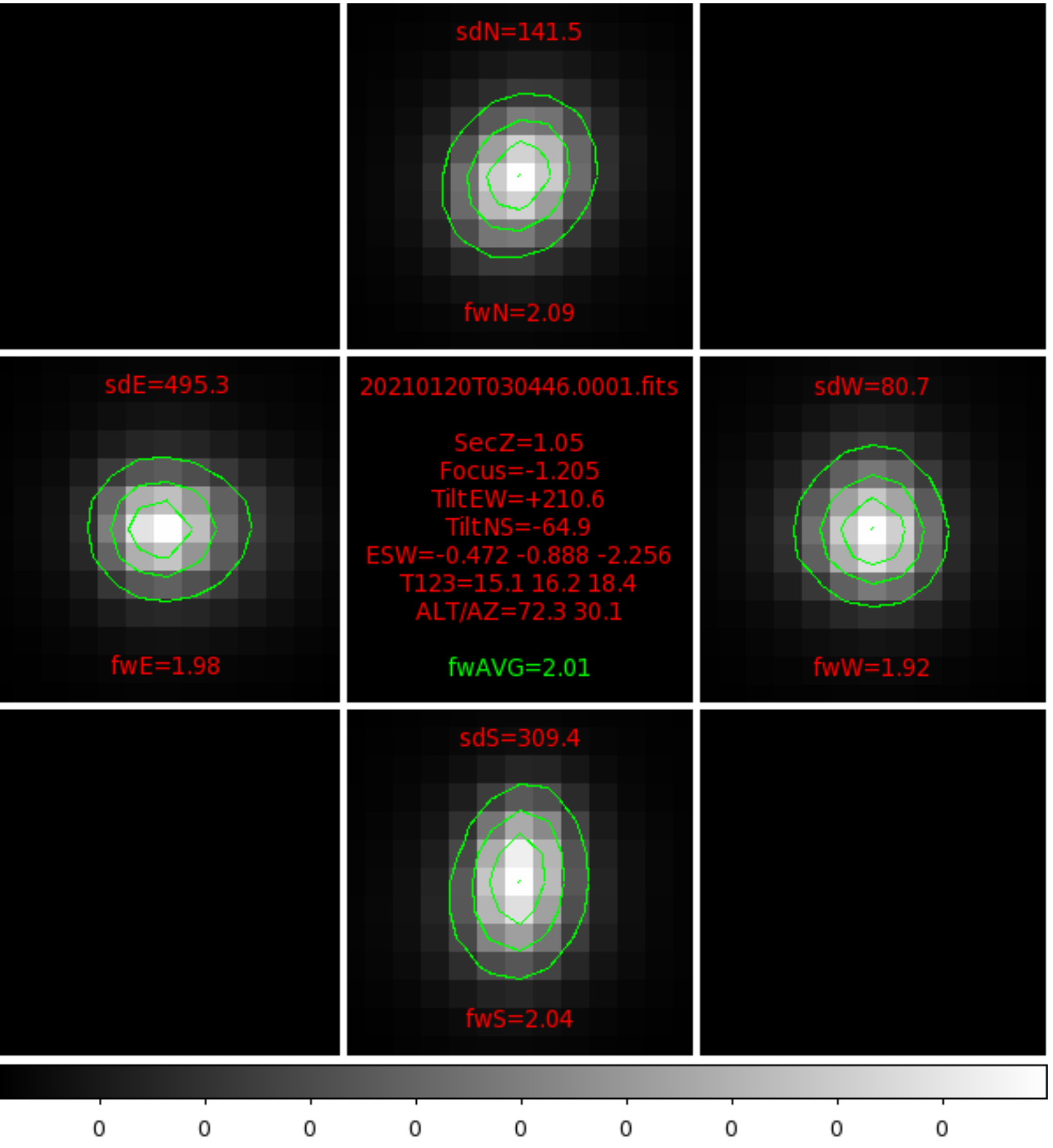
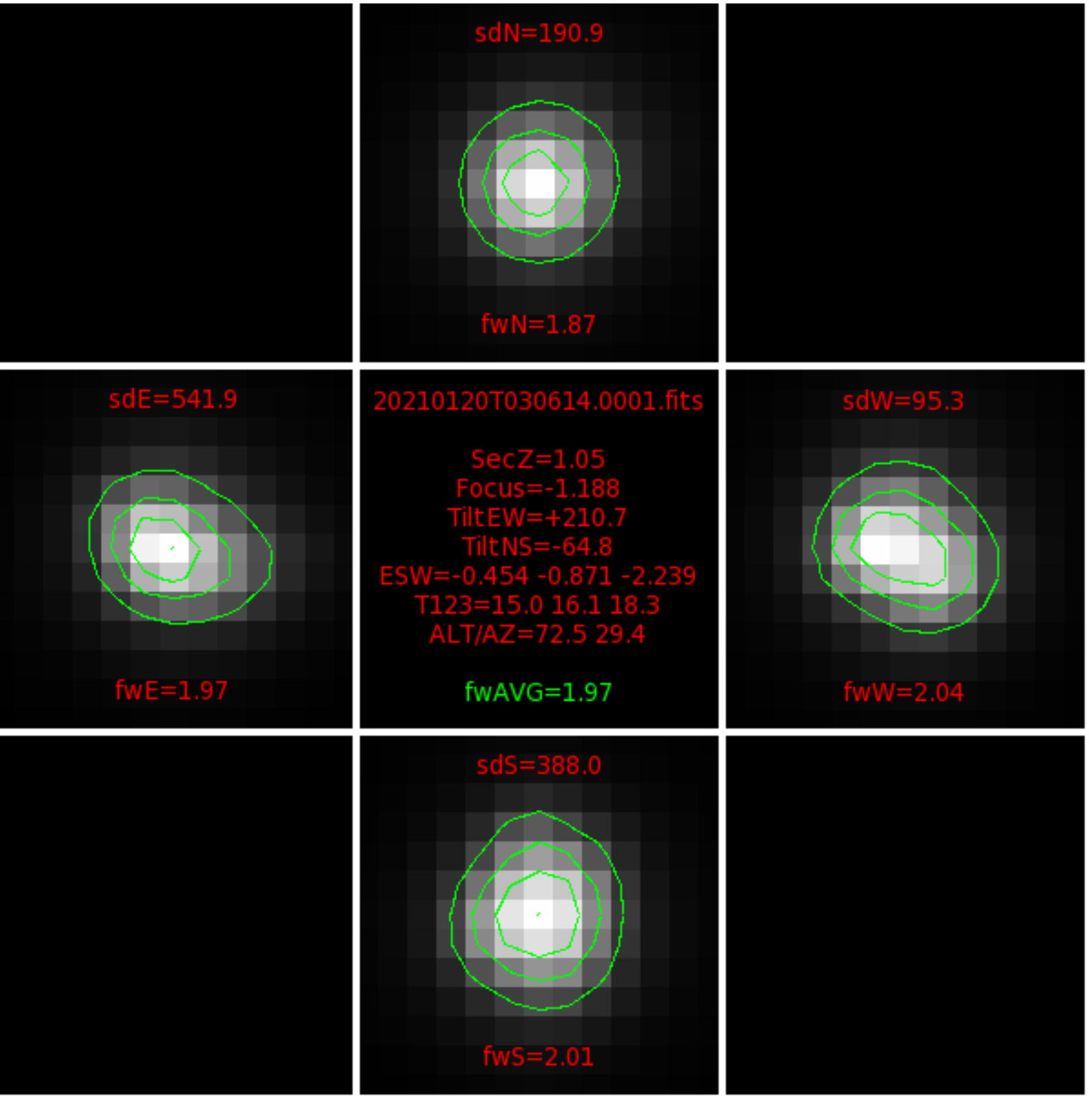
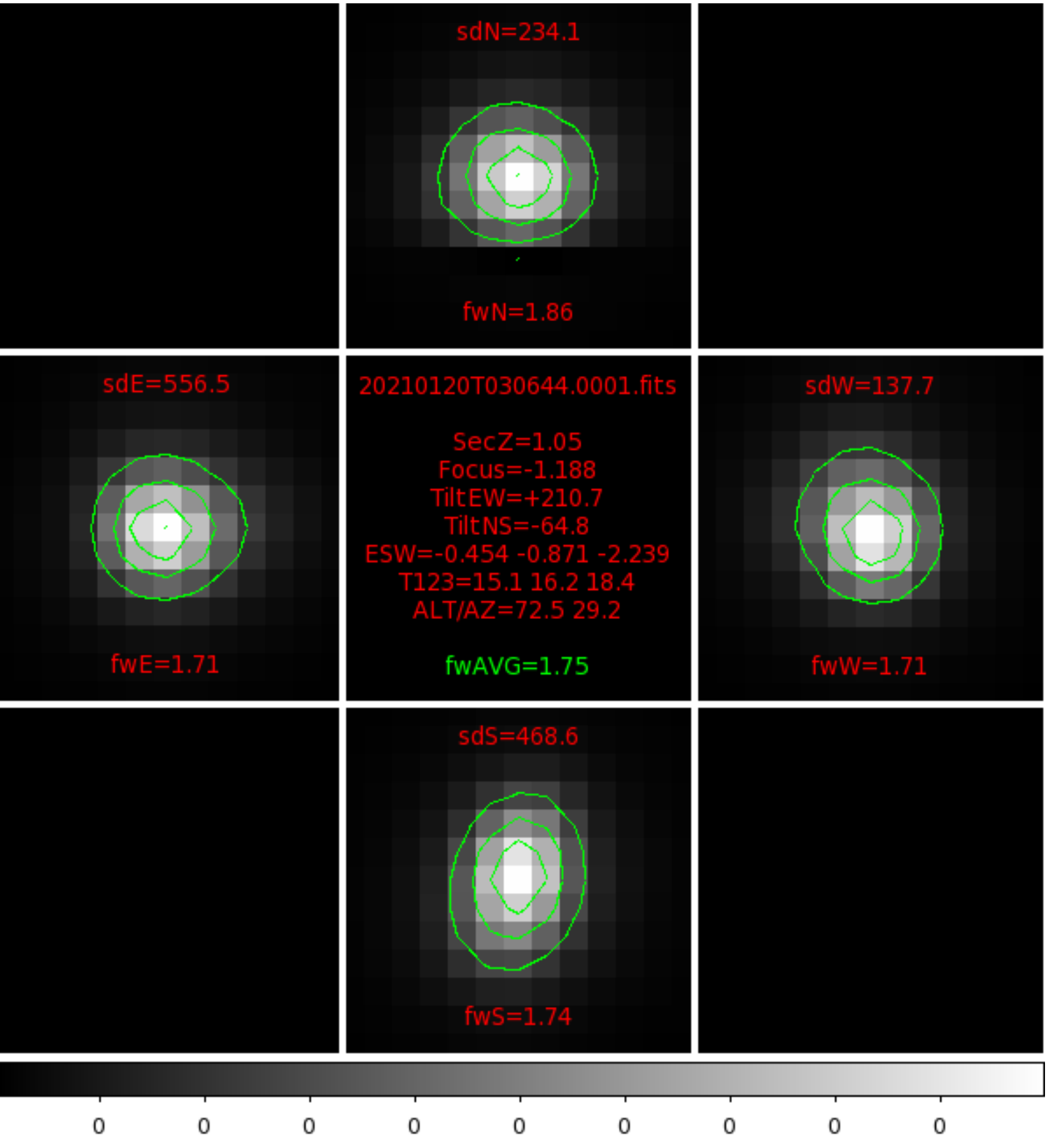

sdN=141.5
fwN=2.09
sdE=495.3
fwE=1.98
20210120T030446.0001.fits
SecZ=1.05
Focus=-1.205
TiltEW=+210.6
TiltNS=-64.9
ESW=-0.472 -0.888 -2.256
T123=15.1 16.2 18.4
ALT/AZ=72.3 30.1
fwAVG=2.01
sdW=80.7
fwW=1.92
sdS=309.4
fwS=2.04
0 0 0 0 0 0 0 0 0


sdN=190.9
fwN=1.87
sdE=541.9
fwE=1.97
20210120T030614.0001.fits
SecZ=1.05
Focus=-1.188
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.454 -0.871 -2.239
T123=15.0 16.1 18.3
ALT/AZ=72.5 29.4
fwAVG=1.97
sdW=95.3
fwW=2.04
sdS=388.0
fwS=2.01
0 0 0 0 0 0 0 0 0


sdN=234.1
fwN=1.86
sdE=556.5
fwE=1.71
20210120T030644.0001.fits
SecZ=1.05
Focus=-1.188
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.454 -0.871 -2.239
T123=15.1 16.2 18.4
ALT/AZ=72.5 29.2
fwAVG=1.75
sdW=137.7
fwW=1.71
sdS=468.6
fwS=1.74
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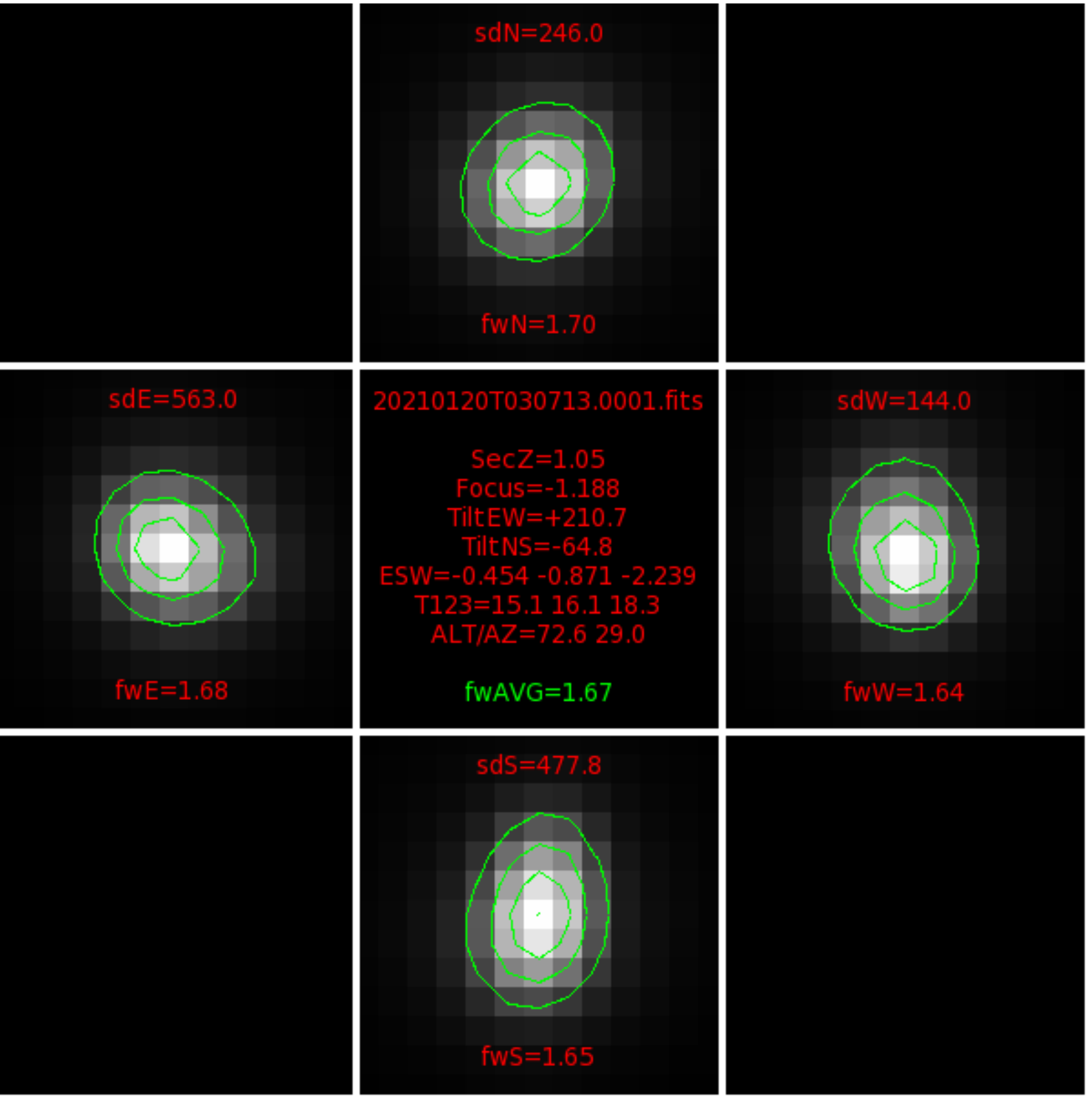
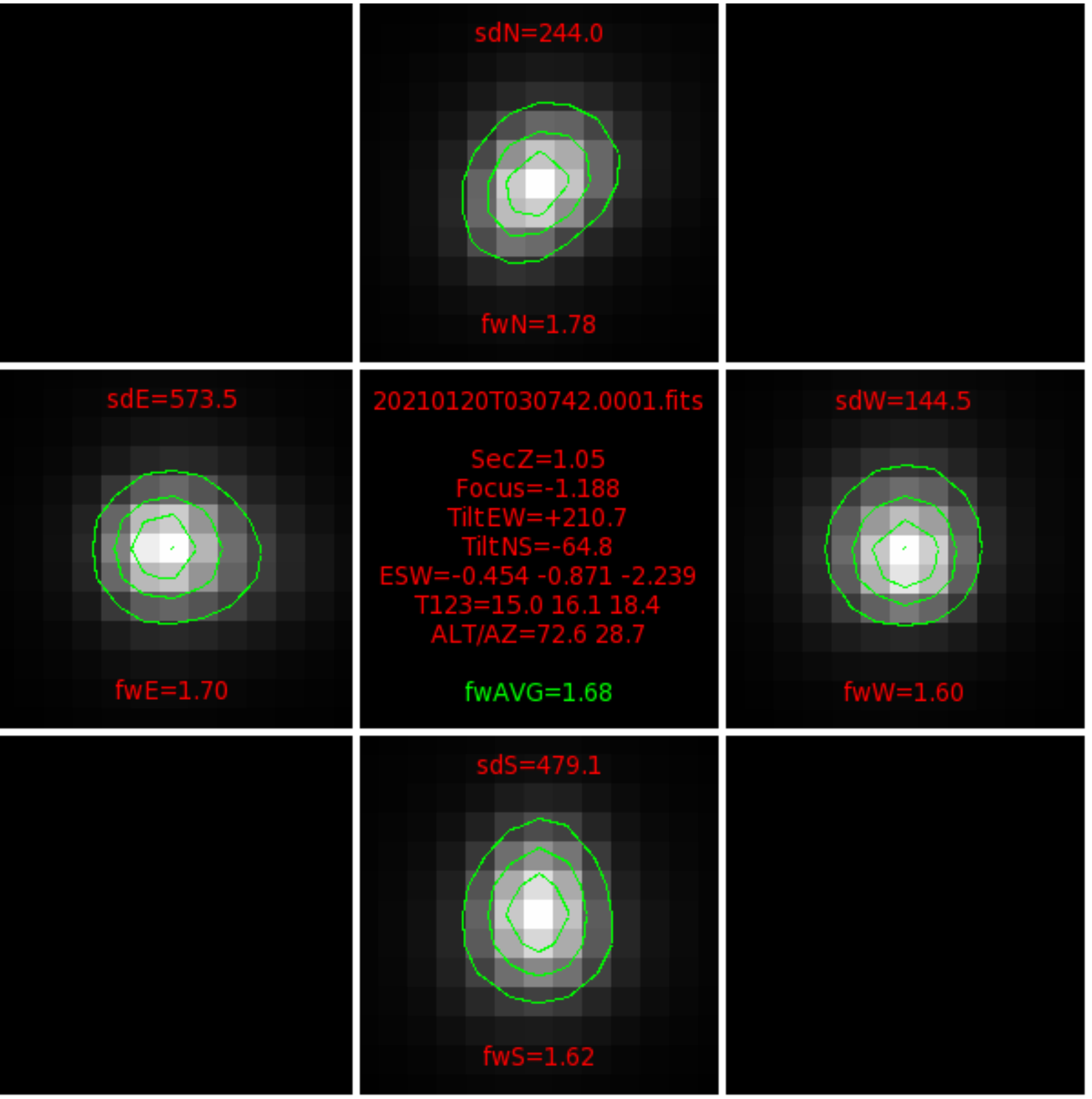

sdN=246.0
fwN=1.70
sdE=563.0
fwE=1.68
20210120T030713.0001.fits
SecZ=1.05
Focus=-1.188
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.454 -0.871 -2.239
T123=15.1 16.1 18.3
ALT/AZ=72.6 29.0
fwAVG=1.67
sdW=144.0
fwW=1.64
sdS=477.8
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=244.0
fwN=1.78
sdE=573.5
fwE=1.70
20210120T030742.0001.fits
SecZ=1.05
Focus=-1.188
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.454 -0.871 -2.239
T123=15.0 16.1 18.4
ALT/AZ=72.6 28.7
fwAVG=1.68
sdW=144.5
fwW=1.60
sdS=479.1
fwS=1.62
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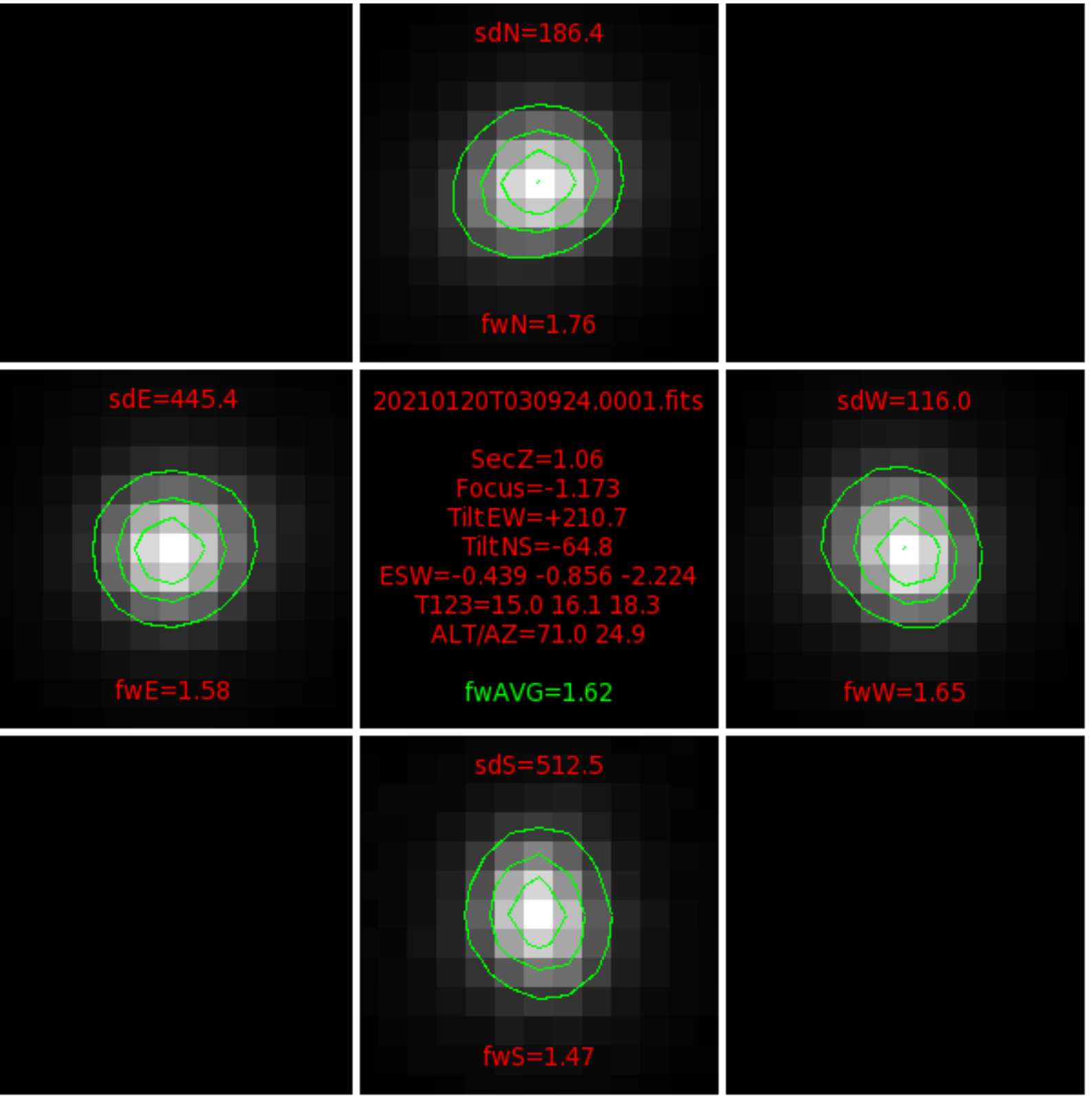
sdN=186.4
fwN=1.76
sdE=445.4
fwE=1.58
20210120T030924.0001.fits
SecZ=1.06
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.0 16.1 18.3
ALT/AZ=71.0 24.9
fwAVG=1.62
sdW=116.0
fwW=1.65
sdS=512.5
fwS=1.47
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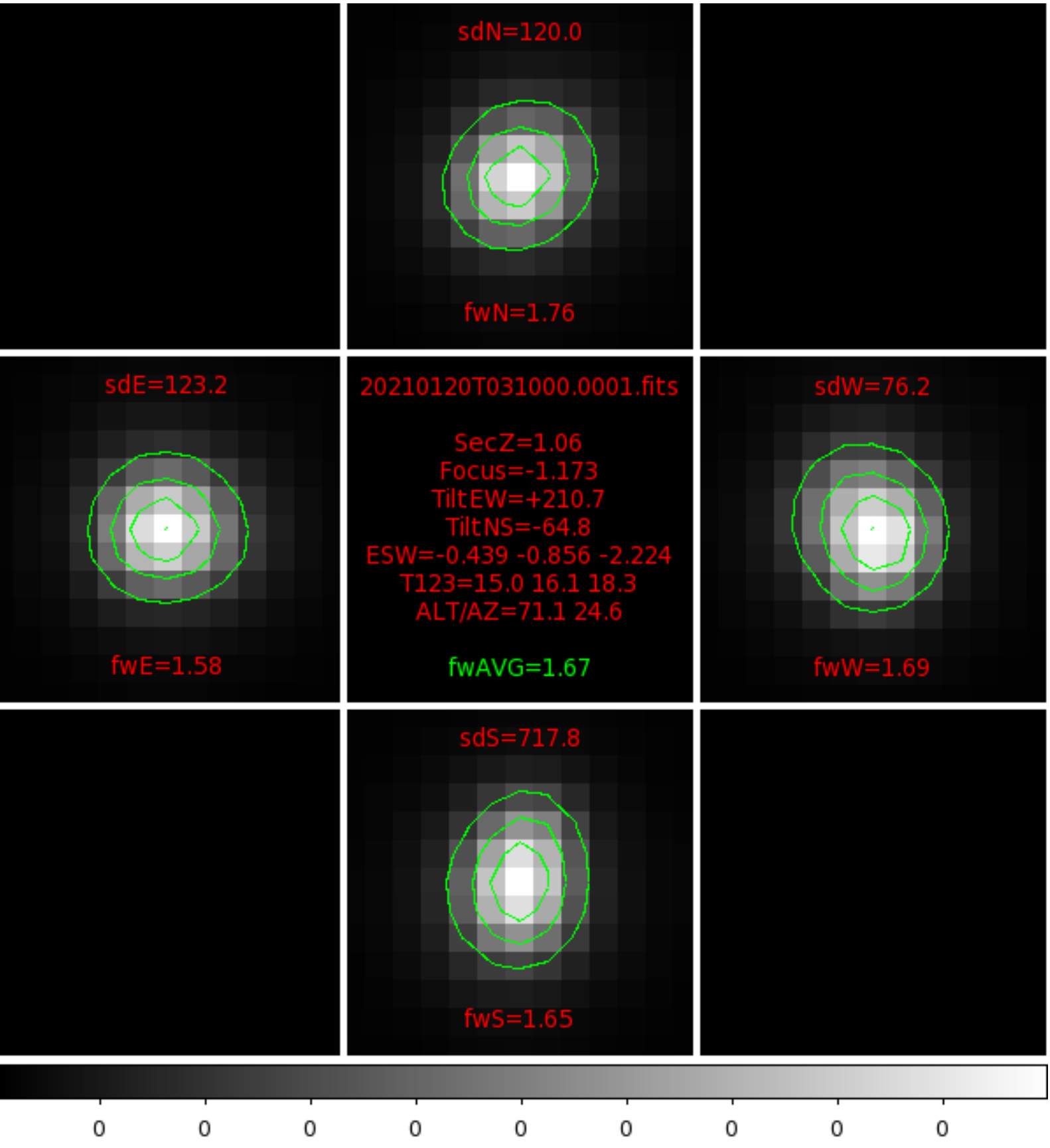
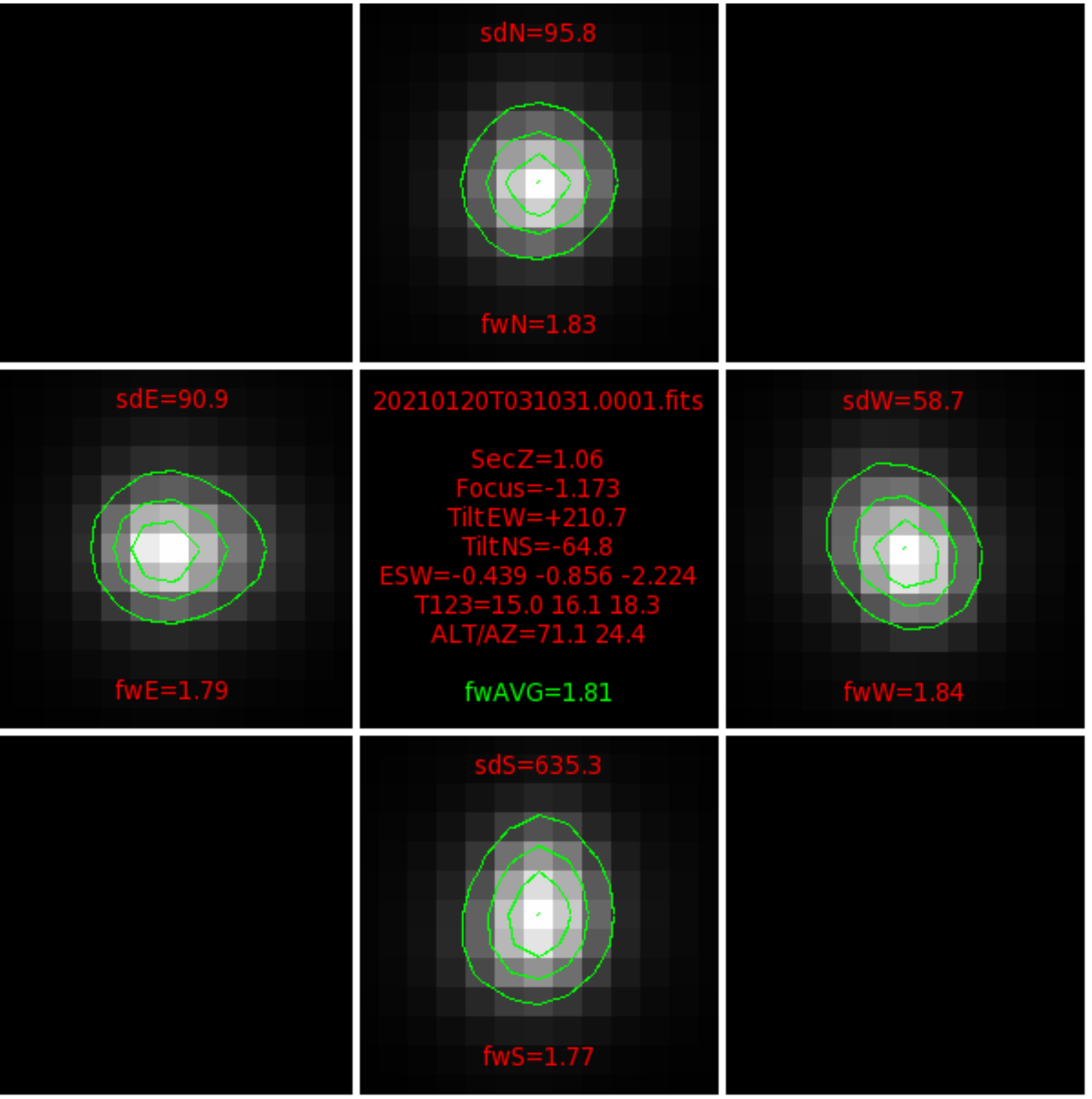

sdN=120.0
fwN=1.76
sdE=123.2
fwE=1.58
20210120T031000.0001.fits
SecZ=1.06
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.0 16.1 18.3
ALT/AZ=71.1 24.6
fwAVG=1.67
sdW=76.2
fwW=1.69
sdS=717.8
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=95.8
fwN=1.83
sdE=90.9
fwE=1.79
20210120T031031.0001.fits
SecZ=1.06
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.0 16.1 18.3
ALT/AZ=71.1 24.4
fwAVG=1.81
sdW=58.7
fwW=1.84
sdS=635.3
fwS=1.77
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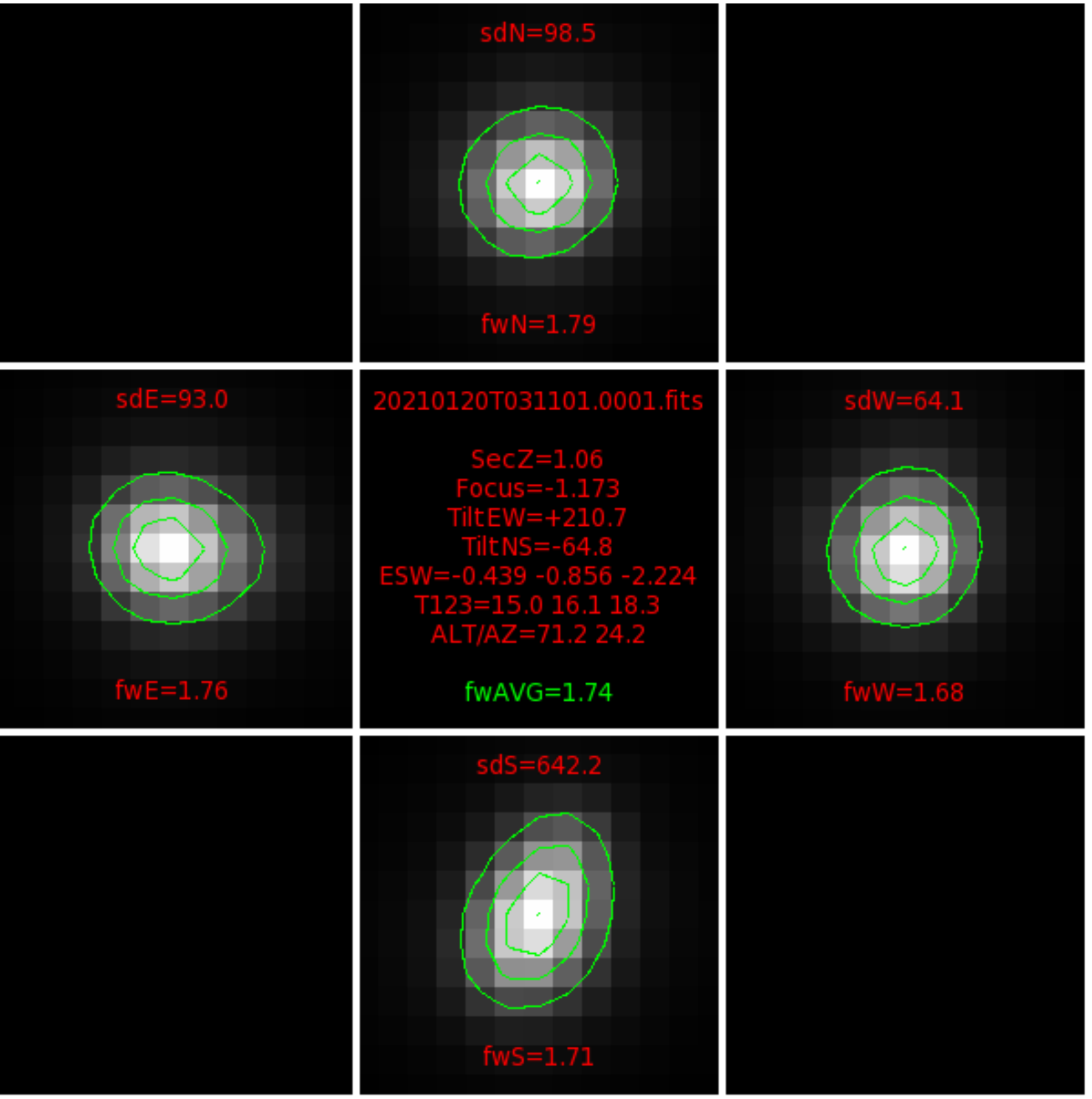
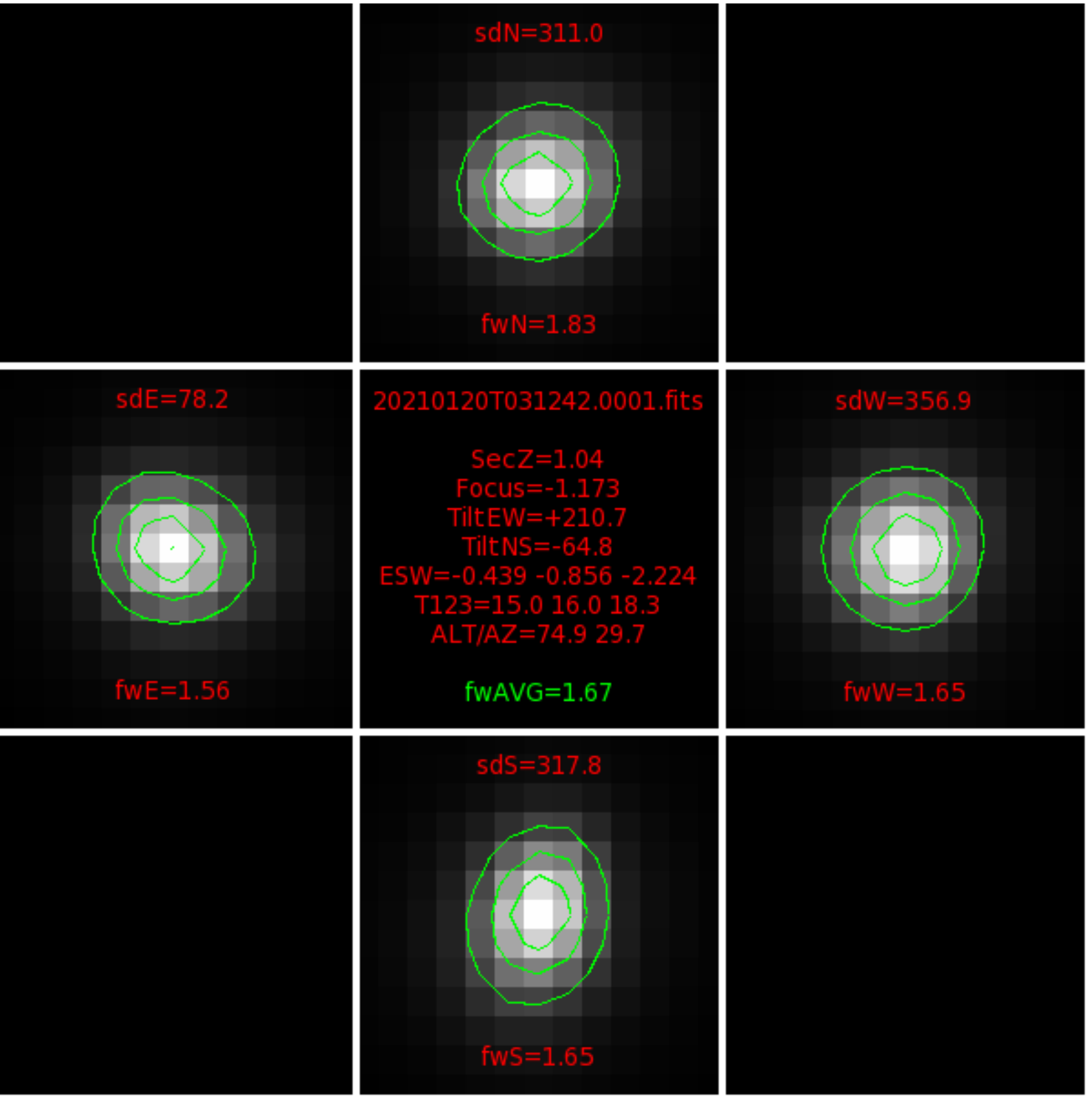

sdN=98.5
fwN=1.79
sdE=93.0
fwE=1.76
20210120T031101.0001.fits
SecZ=1.06
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.0 16.1 18.3
ALT/AZ=71.2 24.2
fwAVG=1.74
sdW=64.1
fwW=1.68
sdS=642.2
fwS=1.71
0 0 0 0 0 0 0 0 0


sdN=311.0
fwN=1.83
sdE=78.2
fwE=1.56
20210120T031242.0001.fits
SecZ=1.04
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.0 16.0 18.3
ALT/AZ=74.9 29.7
fwAVG=1.67
sdW=356.9
fwW=1.65
sdS=317.8
fwS=1.65
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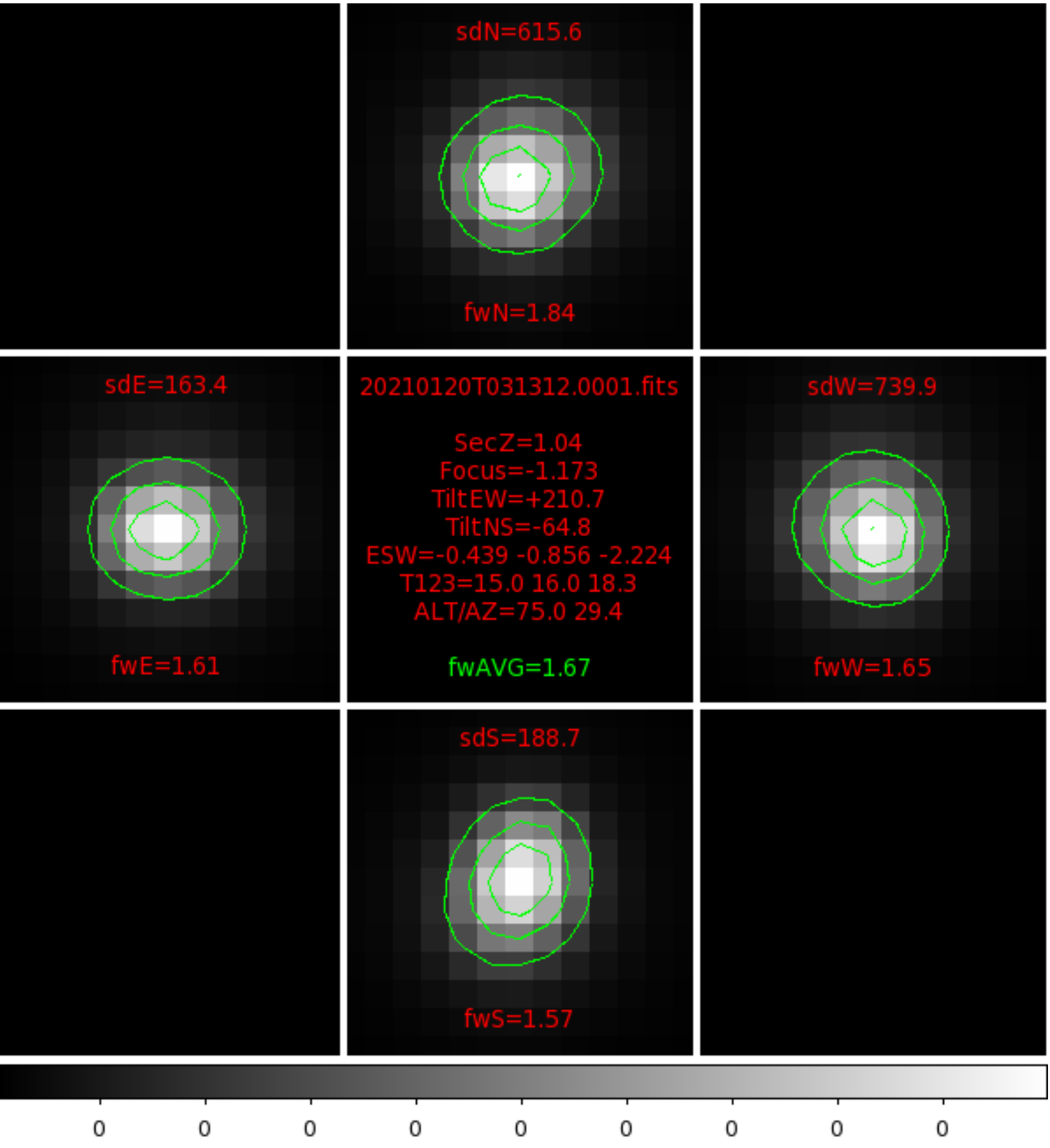
sdN=615.6
fwN=1.84
sdE=163.4
fwE=1.61
20210120T031312.0001.fits
SecZ=1.04
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.0 16.0 18.3
ALT/AZ=75.0 29.4
fwAVG=1.67
sdW=739.9
fwW=1.65
sdS=188.7
fwS=1.57
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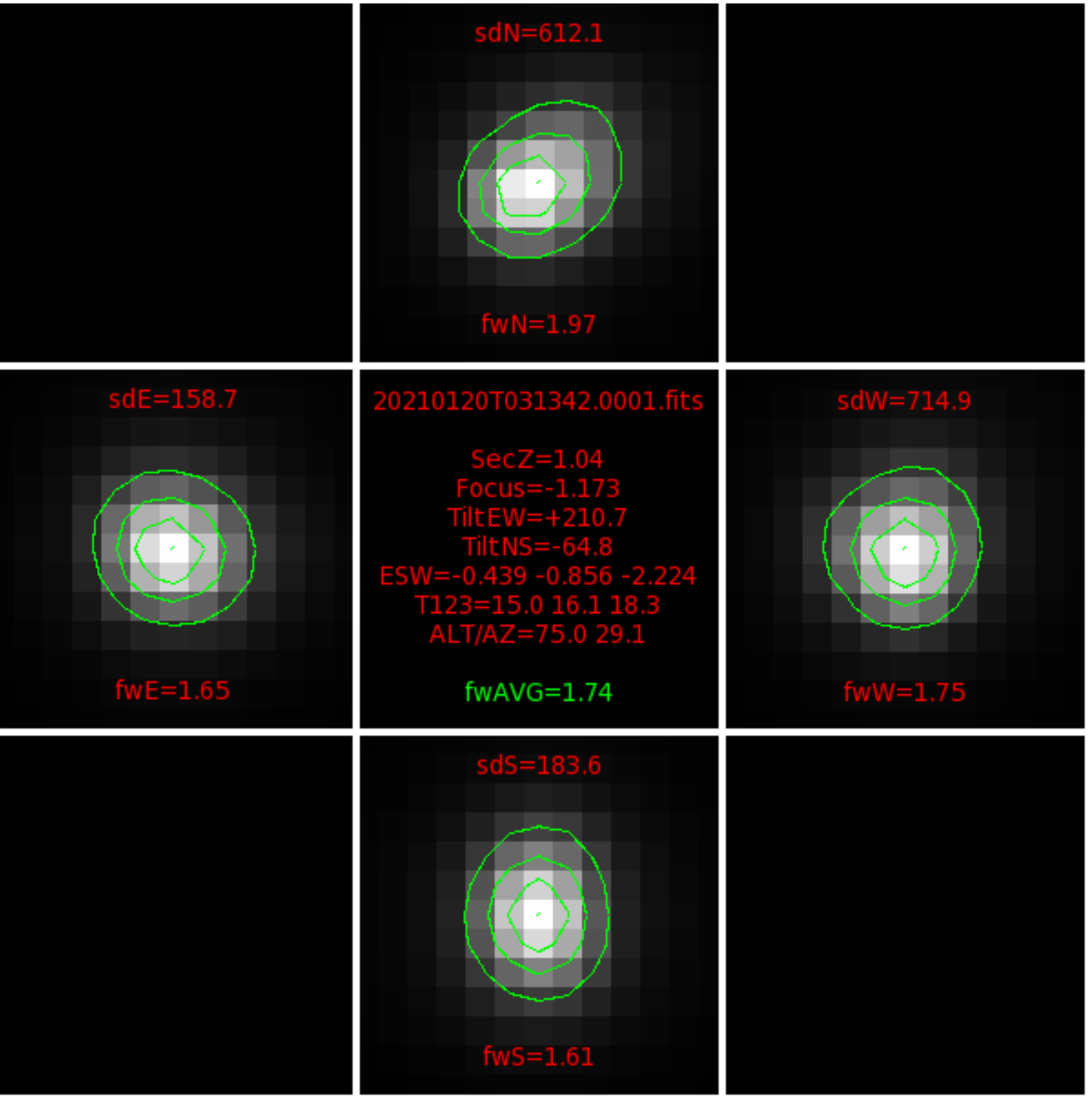
sdN=612.1
fwN=1.97
sdE=158.7
fwE=1.65
20210120T031342.0001.fits
SecZ=1.04
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.0 16.1 18.3
ALT/AZ=75.0 29.1
fwAVG=1.74
sdW=714.9
fwW=1.75
sdS=183.6
fwS=1.61
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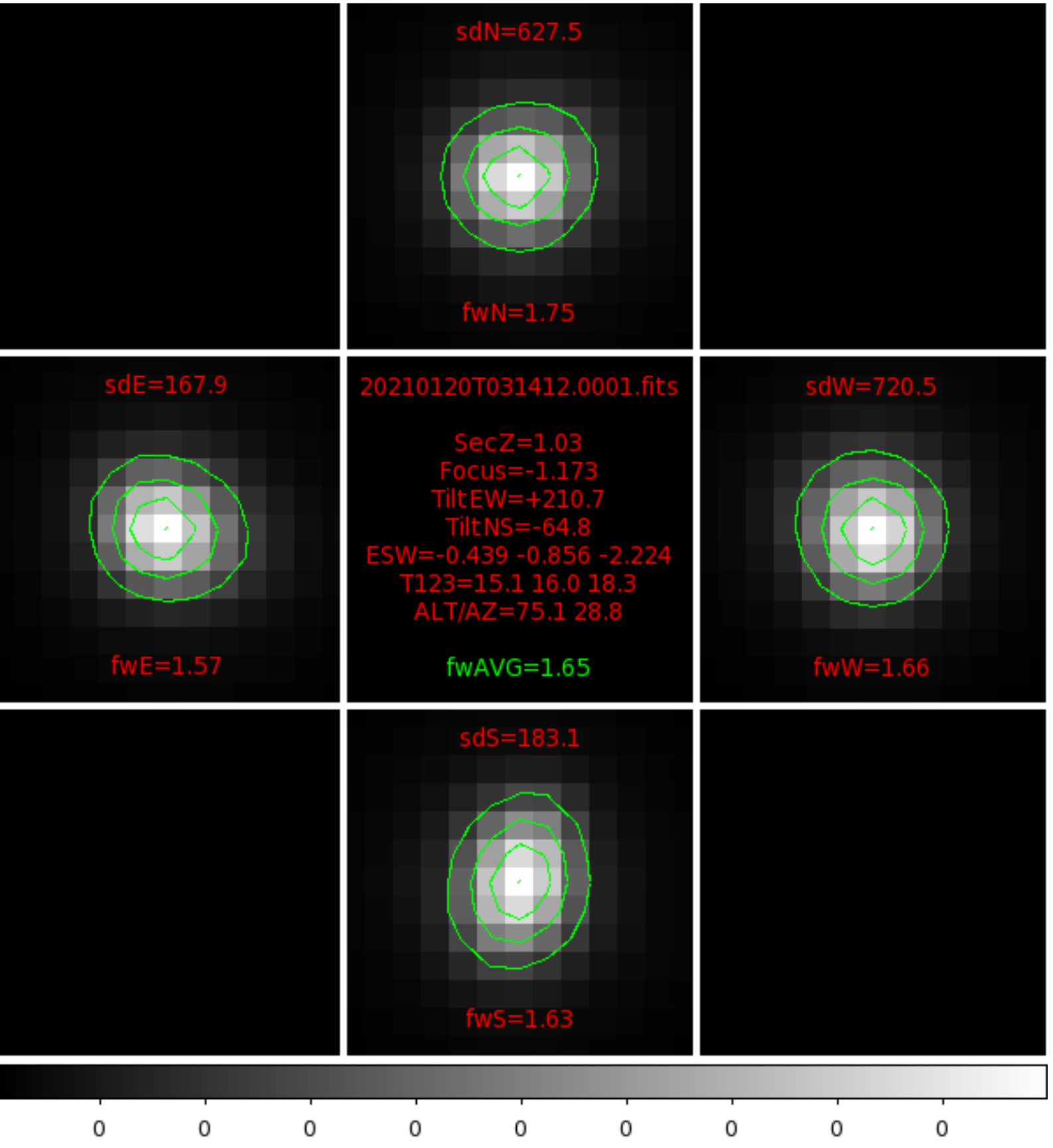
sdN=627.5
fwN=1.75
sdE=167.9
fwE=1.57
20210120T031412.0001.fits
SecZ=1.03
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.1 16.0 18.3
ALT/AZ=75.1 28.8
fwAVG=1.65
sdW=720.5
fwW=1.66
sdS=183.1
fwS=1.63
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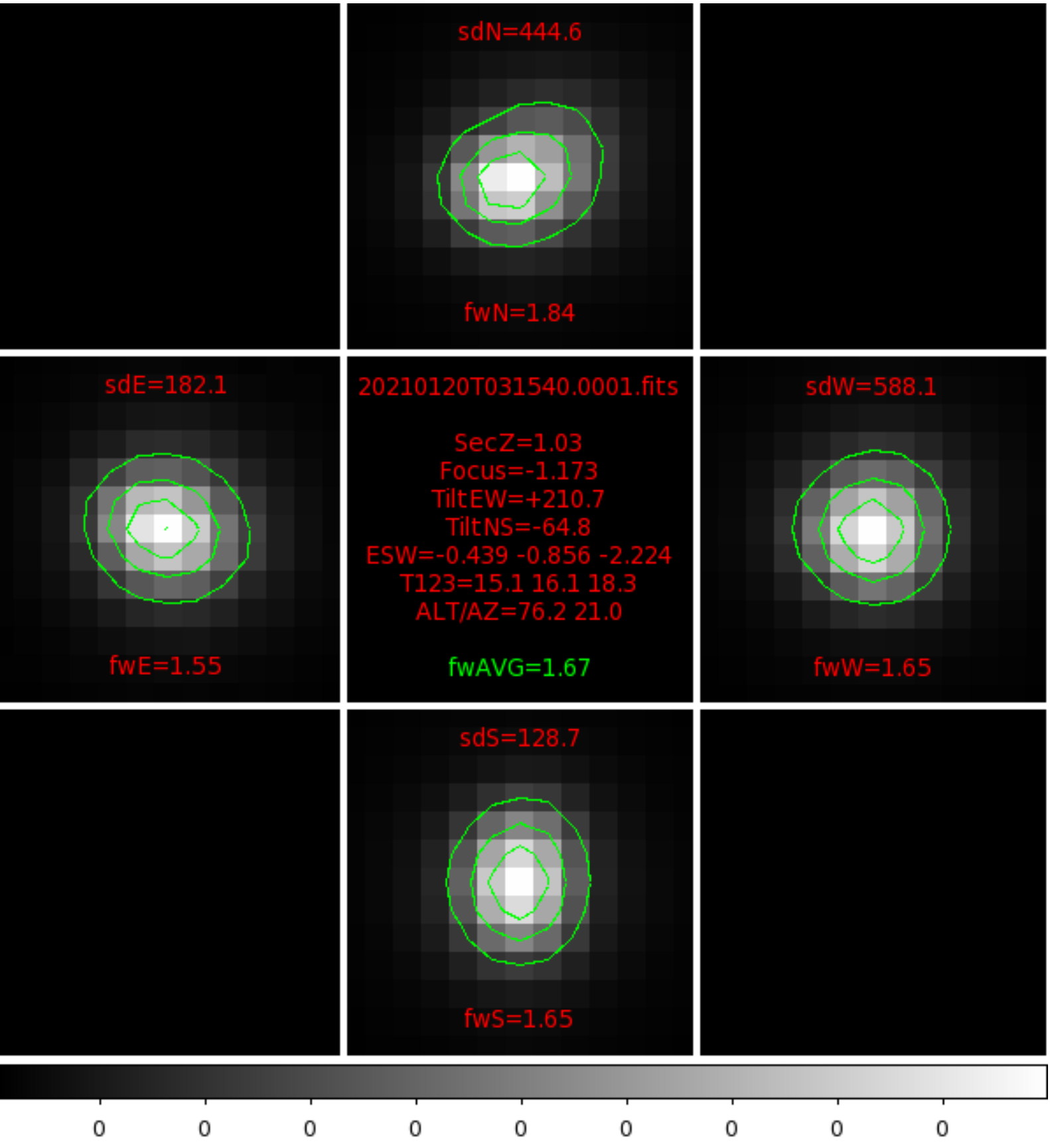
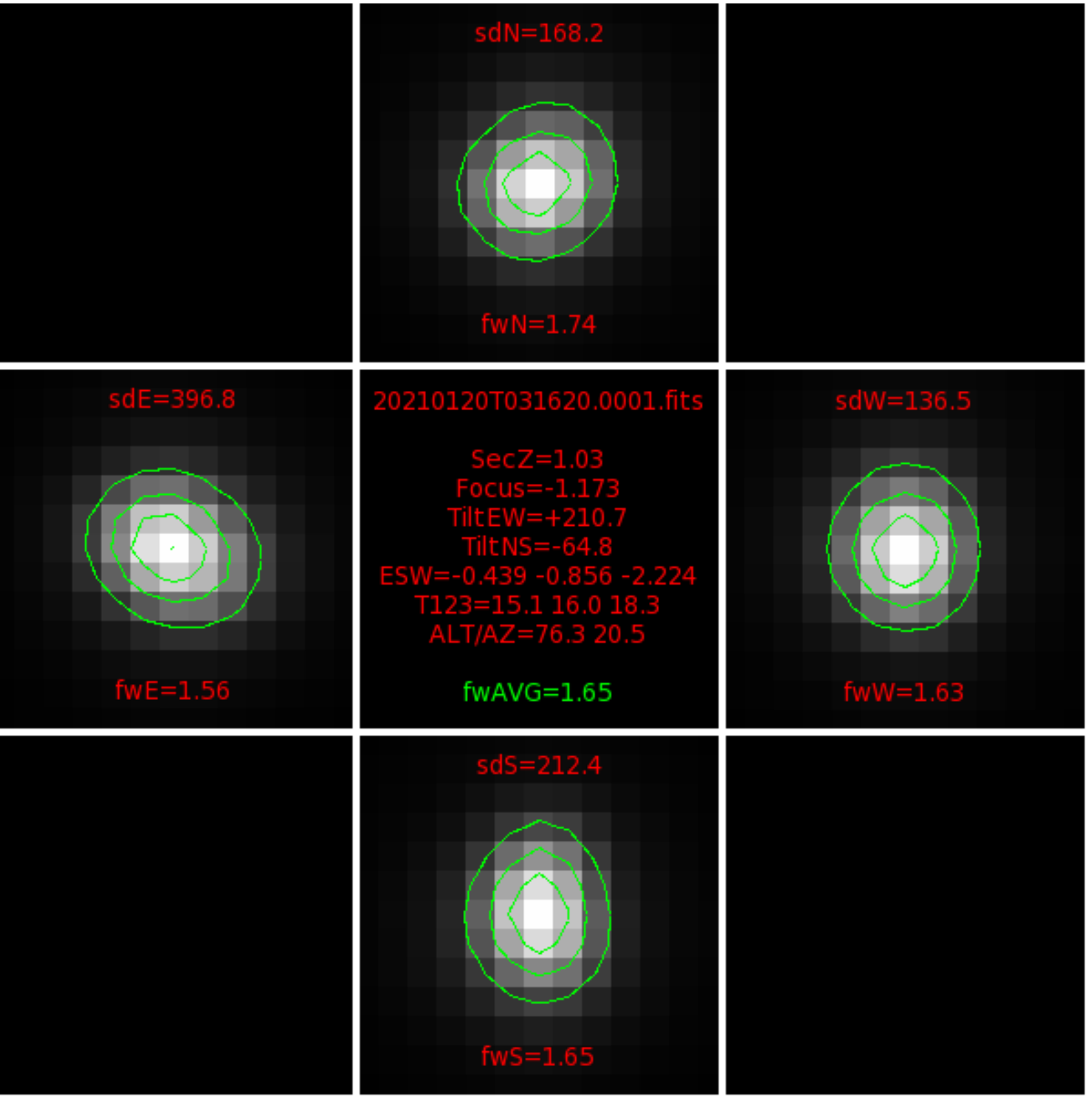
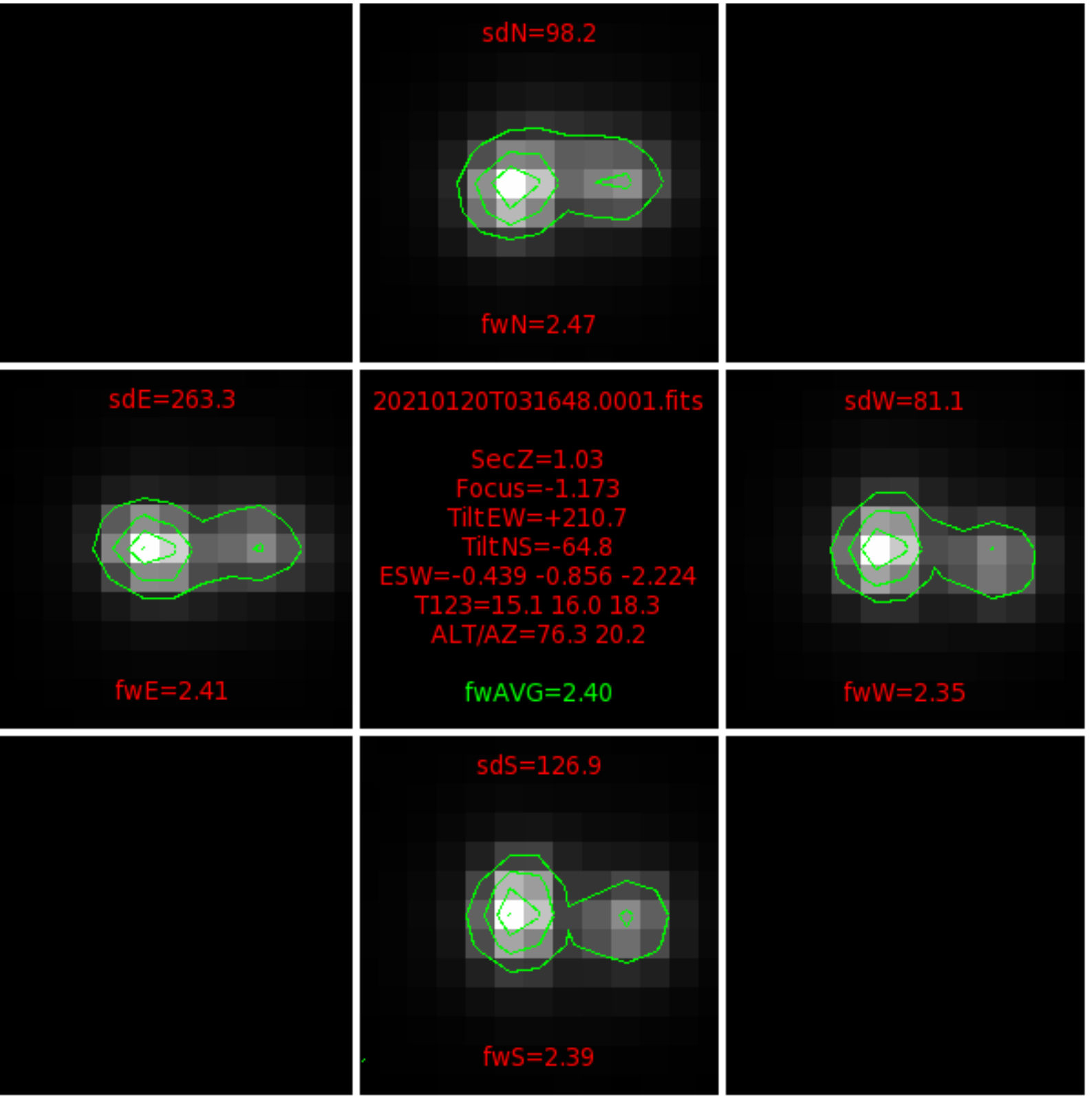

sdN=444.6
fwN=1.84
sdE=182.1
fwE=1.55
20210120T031540.0001.fits
SecZ=1.03
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.1 16.1 18.3
ALT/AZ=76.2 21.0
fwAVG=1.67
sdW=588.1
fwW=1.65
sdS=128.7
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=168.2
fwN=1.74
sdE=396.8
fwE=1.56
20210120T031620.0001.fits
SecZ=1.03
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.1 16.0 18.3
ALT/AZ=76.3 20.5
fwAVG=1.65
sdW=136.5
fwW=1.63
sdS=212.4
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=98.2
fwN=2.47
sdE=263.3
fwE=2.41
20210120T031648.0001.fits
SecZ=1.03
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.1 16.0 18.3
ALT/AZ=76.3 20.2
fwAVG=2.40
sdW=81.1
fwW=2.35
sdS=126.9
fwS=2.39
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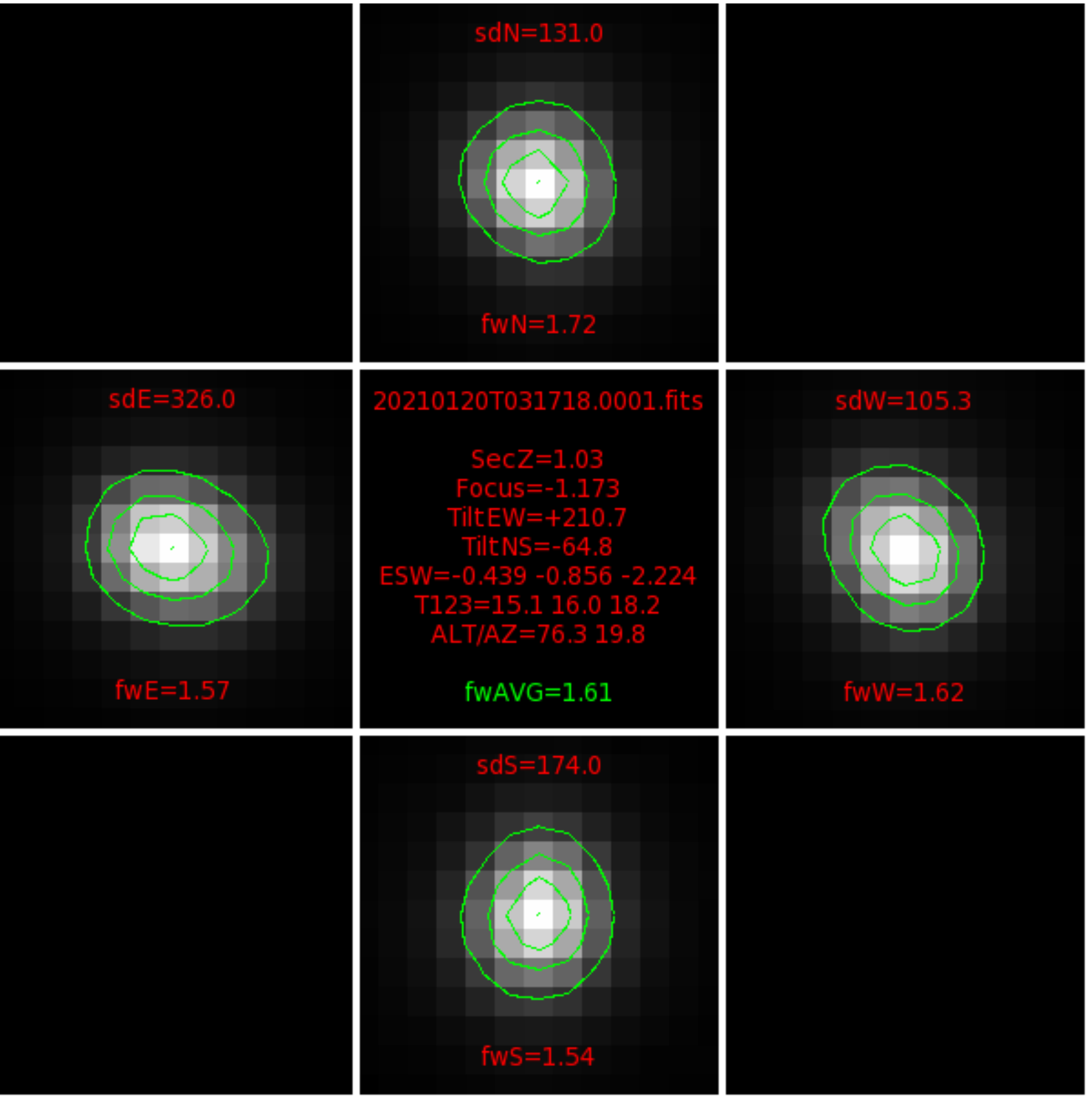
sdN=131.0
fwN=1.72
sdE=326.0
fwE=1.57
20210120T031718.0001.fits
SecZ=1.03
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.1 16.0 18.2
ALT/AZ=76.3 19.8
fwAVG=1.61
sdW=105.3
fwW=1.62
sdS=174.0
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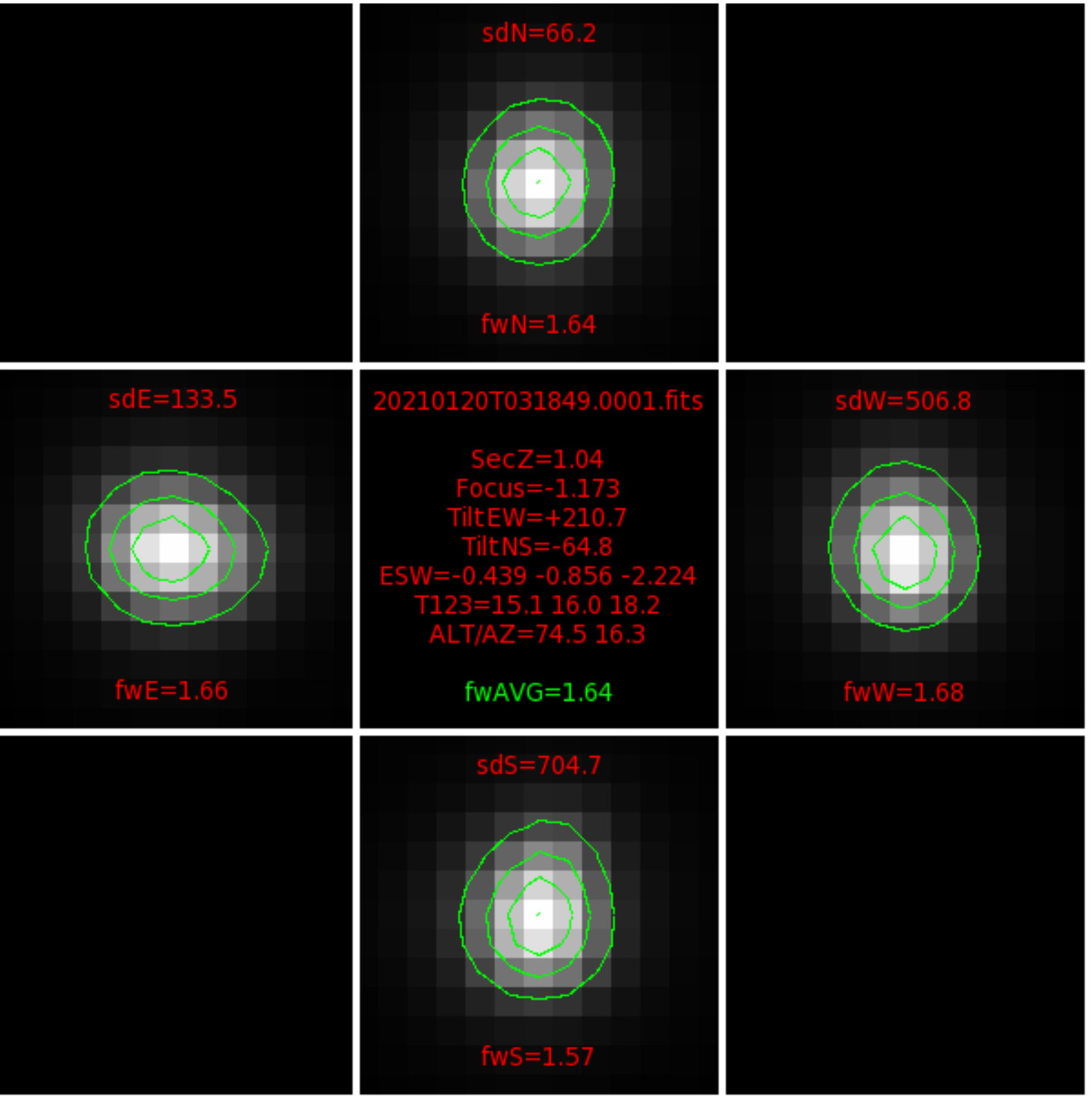
sdN=66.2
fwN=1.64
sdE=133.5
fwE=1.66
20210120T031849.0001.fits
SecZ=1.04
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.1 16.0 18.2
ALT/AZ=74.5 16.3
fwAVG=1.64
sdW=506.8
fwW=1.68
sdS=704.7
fwS=1.57
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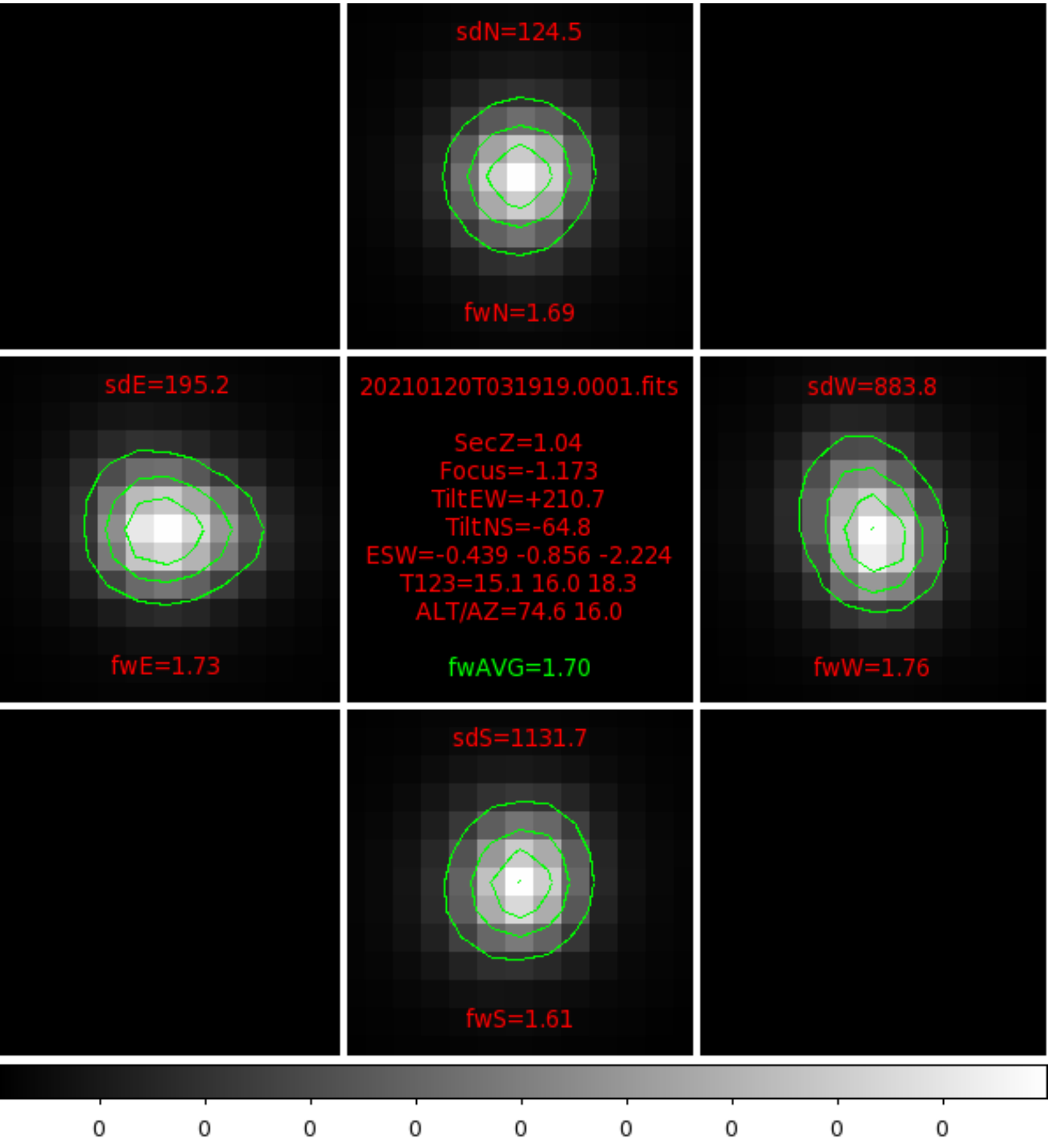
sdN=124.5
fwN=1.69
sdE=195.2
fwE=1.73
20210120T031919.0001.fits
SecZ=1.04
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.1 16.0 18.3
ALT/AZ=74.6 16.0
fwAVG=1.70
sdW=883.8
fwW=1.76
sdS=1131.7
fwS=1.61
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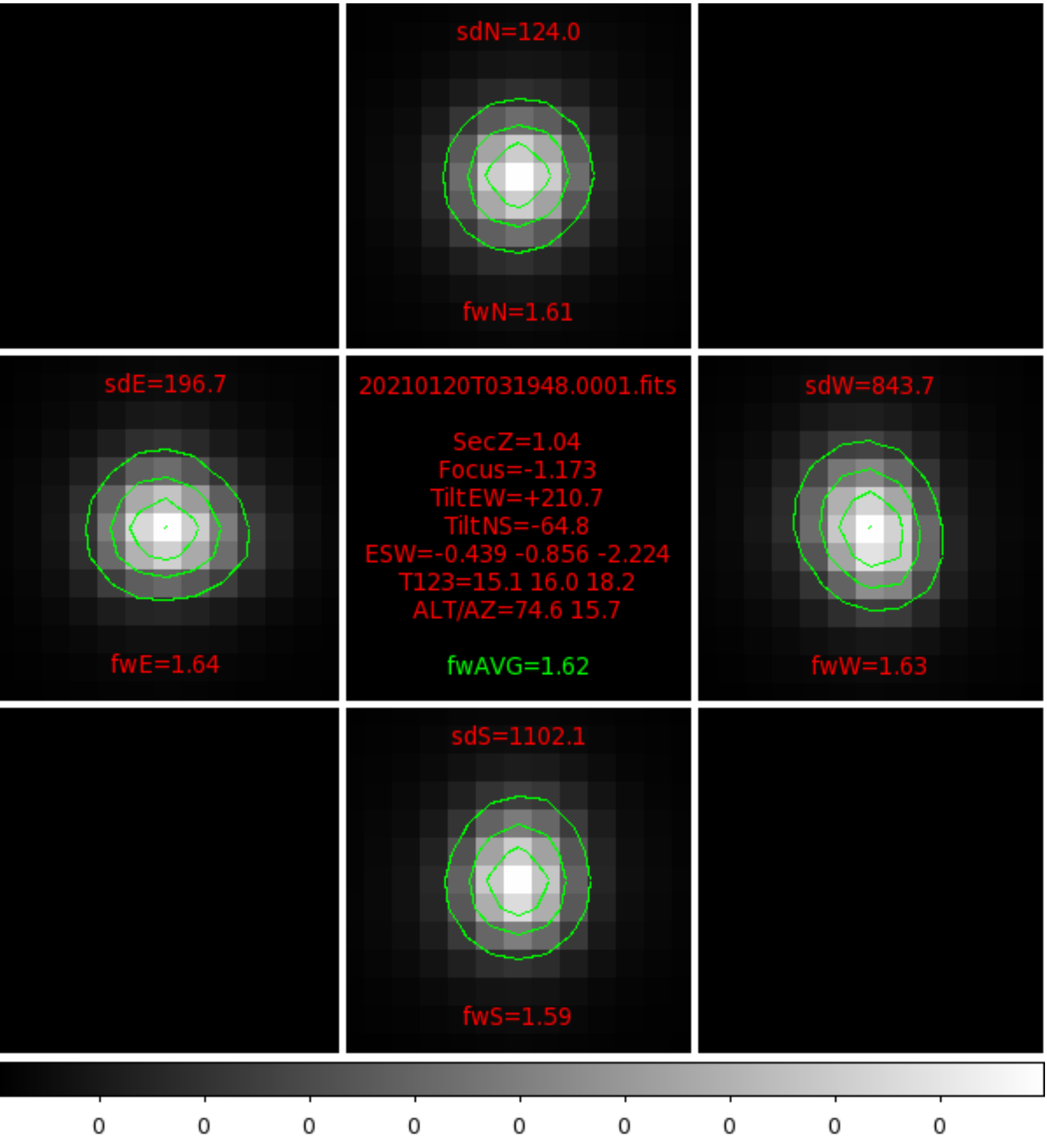
sdN=124.0
fwN=1.61
sdE=196.7
fwE=1.64
20210120T031948.0001.fits
SecZ=1.04
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.1 16.0 18.2
ALT/AZ=74.6 15.7
fwAVG=1.62
sdW=843.7
fwW=1.63
sdS=1102.1
fwS=1.59
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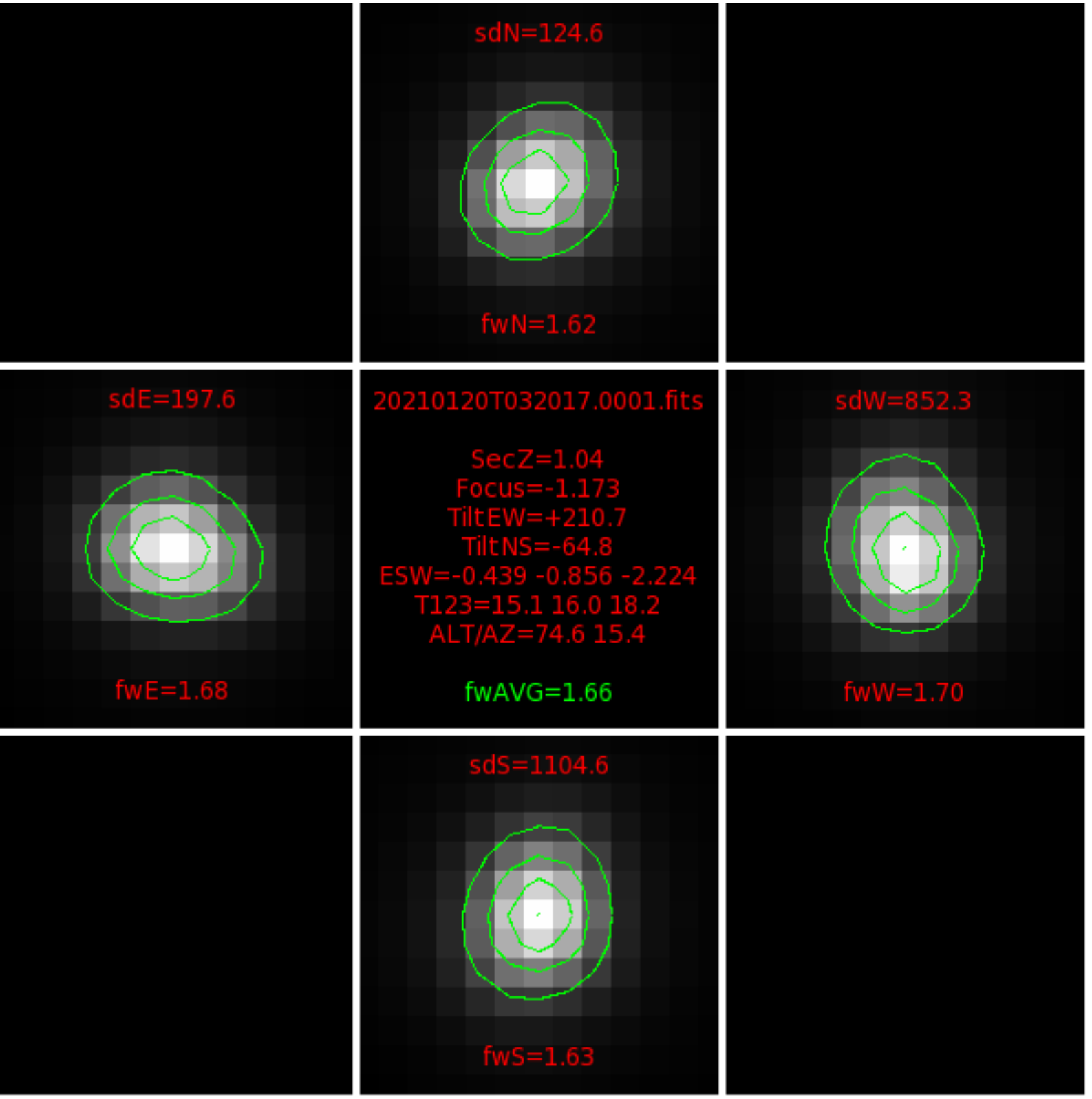
sdN=124.6
fwN=1.62
sdE=197.6
fwE=1.68
20210120T032017.0001.fits
SecZ=1.04
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.1 16.0 18.2
ALT/AZ=74.6 15.4
fwAVG=1.66
sdW=852.3
fwW=1.70
sdS=1104.6
fwS=1.63
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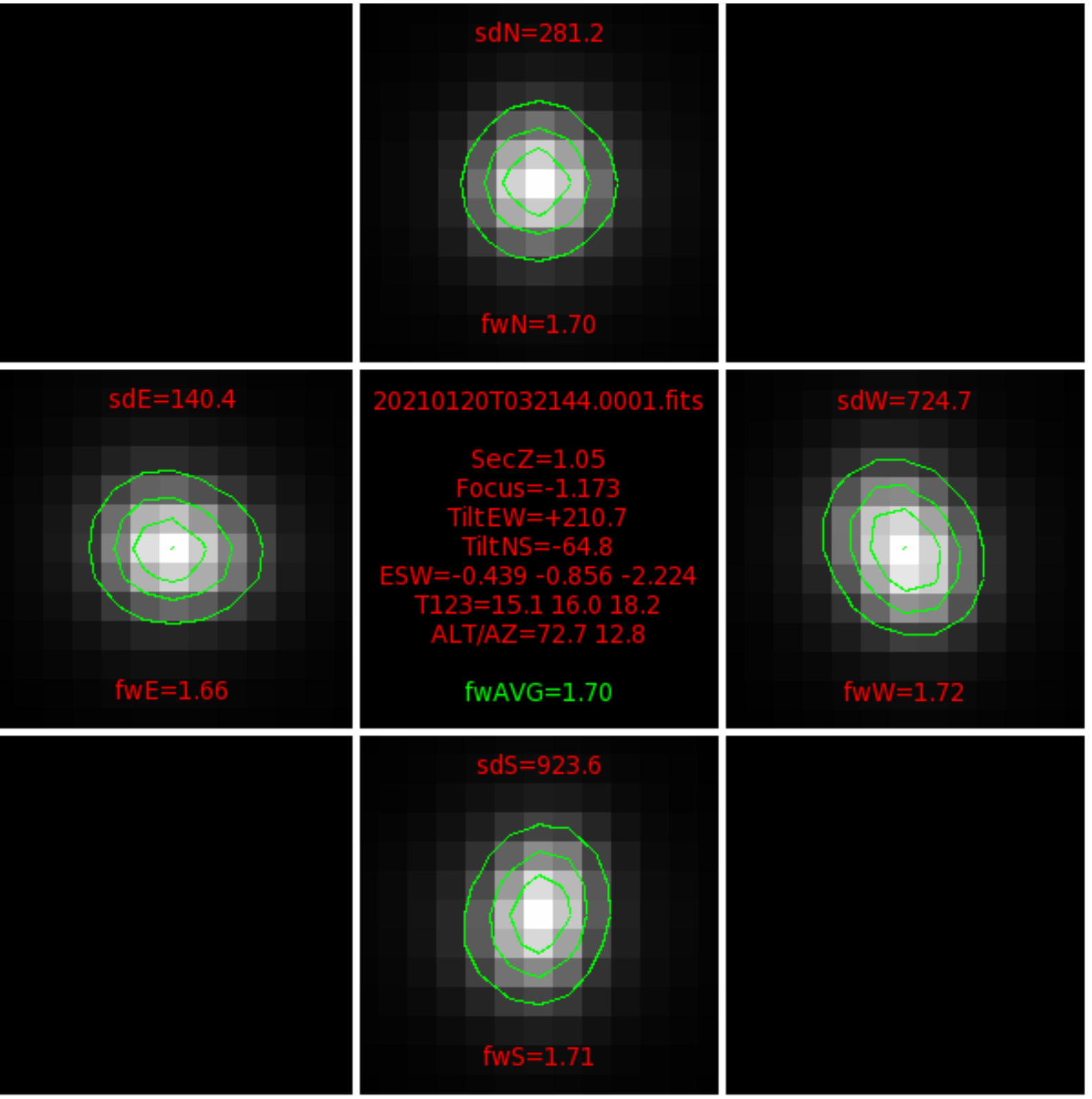
sdN=281.2
fwN=1.70
sdE=140.4
fwE=1.66
20210120T032144.0001.fits
SecZ=1.05
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.1 16.0 18.2
ALT/AZ=72.7 12.8
fwAVG=1.70
sdW=724.7
fwW=1.72
sdS=923.6
fwS=1.71
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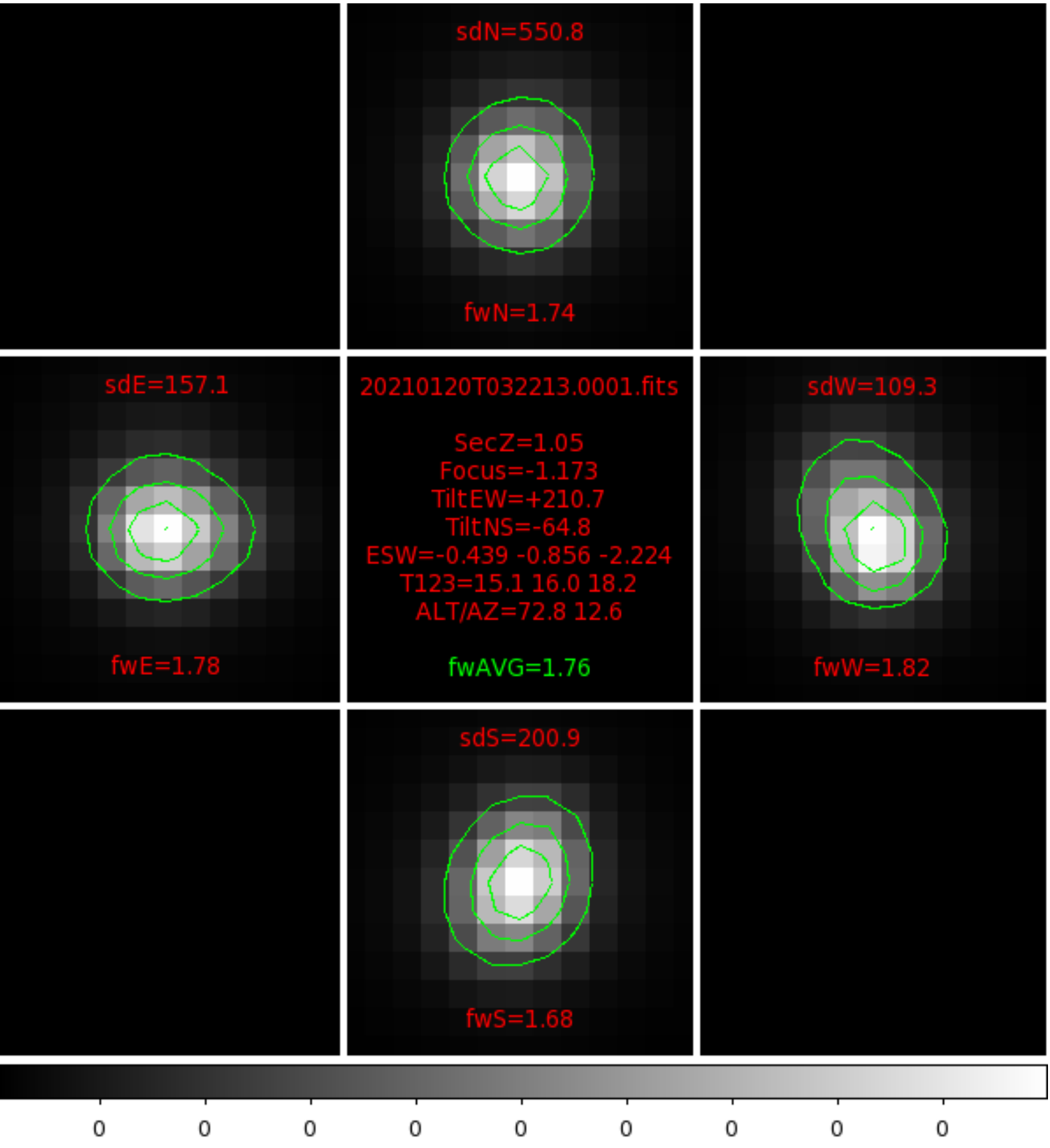
sdN=550.8
fwN=1.74
sdE=157.1
fwE=1.78
20210120T032213.0001.fits
SecZ=1.05
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.1 16.0 18.2
ALT/AZ=72.8 12.6
fwAVG=1.76
sdW=109.3
fwW=1.82
sdS=200.9
fwS=1.68
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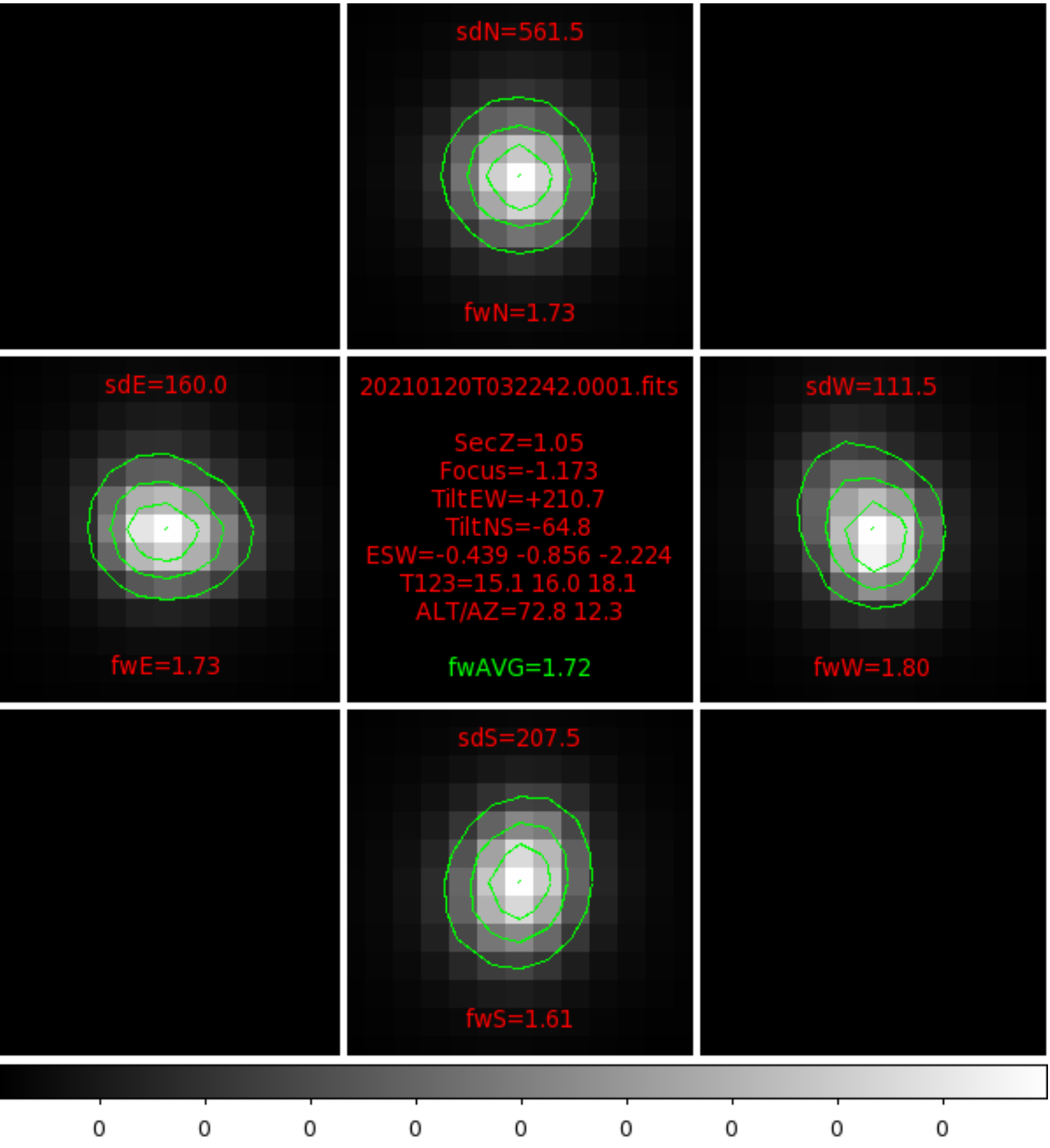
sdN=561.5
fwN=1.73
sdE=160.0
fwE=1.73
20210120T032242.0001.fits
SecZ=1.05
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.1 16.0 18.1
ALT/AZ=72.8 12.3
fwAVG=1.72
sdW=111.5
fwW=1.80
sdS=207.5
fwS=1.61
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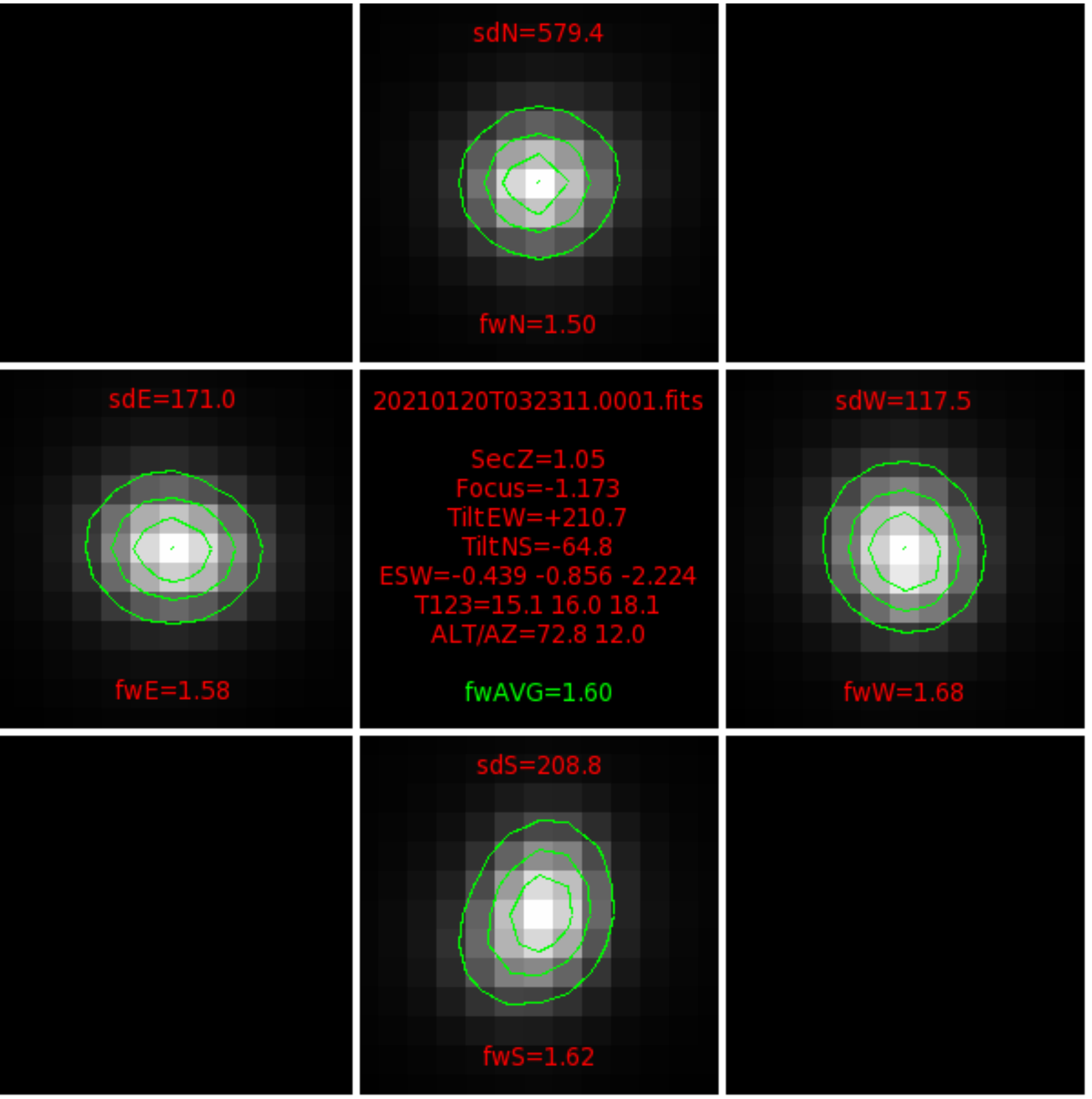
sdN=579.4
fwN=1.50
sdE=171.0
fwE=1.58
20210120T032311.0001.fits
SecZ=1.05
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.1 16.0 18.1
ALT/AZ=72.8 12.0
fwAVG=1.60
sdW=117.5
fwW=1.68
sdS=208.8
fwS=1.62
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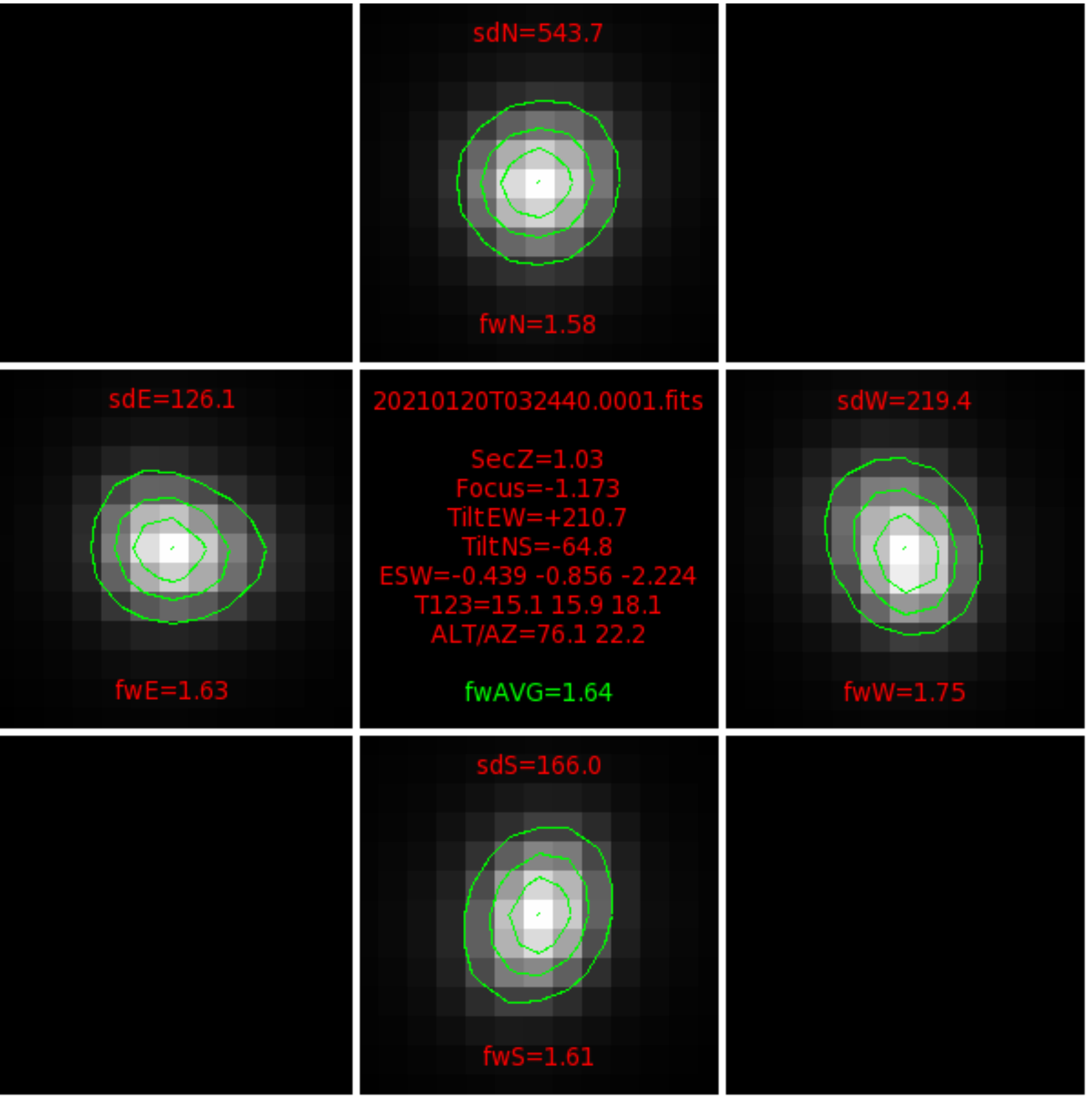
sdN=543.7
fwN=1.58
sdE=126.1
fwE=1.63
20210120T032440.0001.fits
SecZ=1.03
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.1 15.9 18.1
ALT/AZ=76.1 22.2
fwAVG=1.64
sdW=219.4
fwW=1.75
sdS=166.0
fwS=1.61
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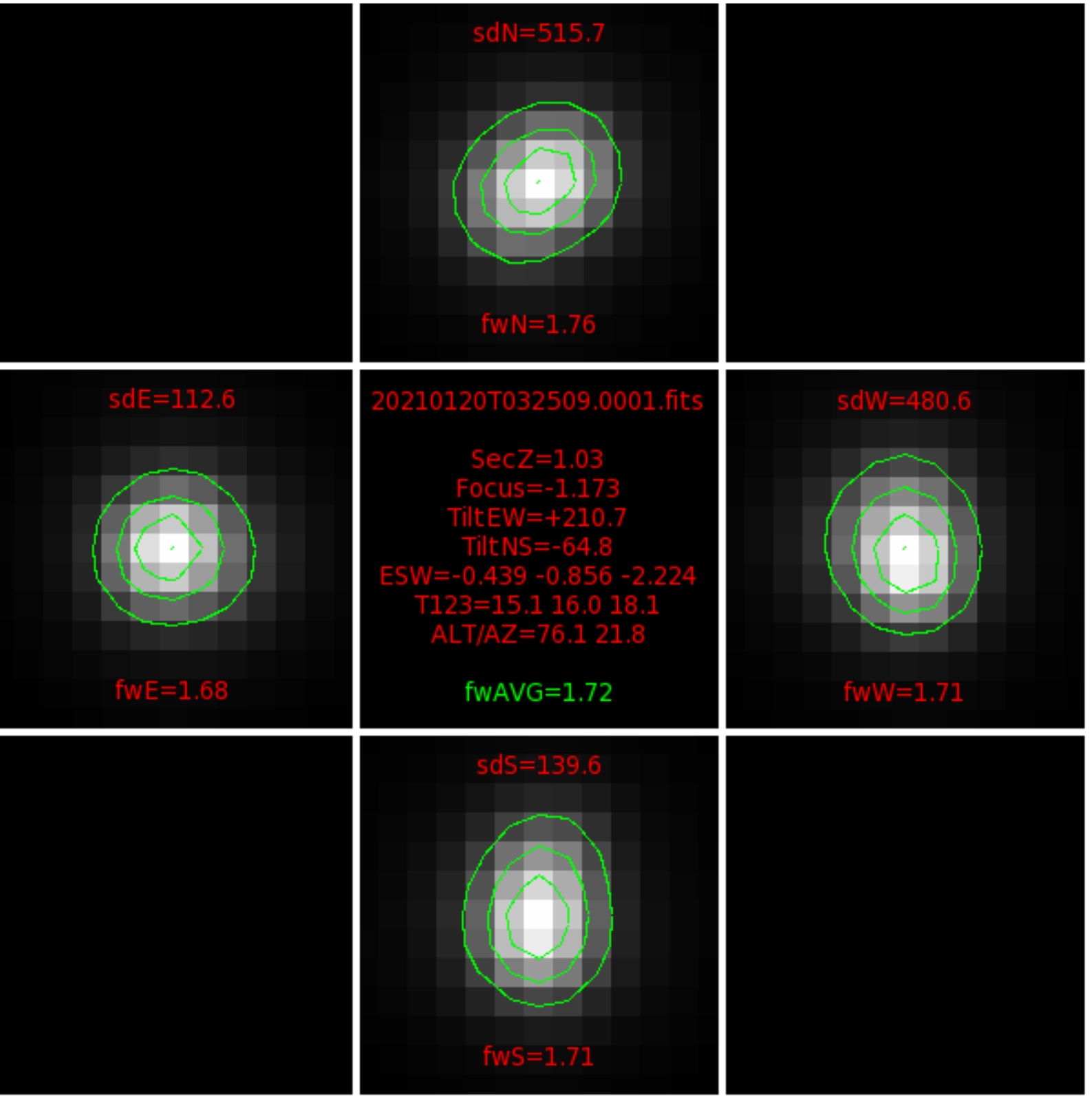
sdN=515.7
fwN=1.76
sdE=112.6
fwE=1.68
20210120T032509.0001.fits
SecZ=1.03
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.1 16.0 18.1
ALT/AZ=76.1 21.8
fwAVG=1.72
sdW=480.6
fwW=1.71
sdS=139.6
fwS=1.71
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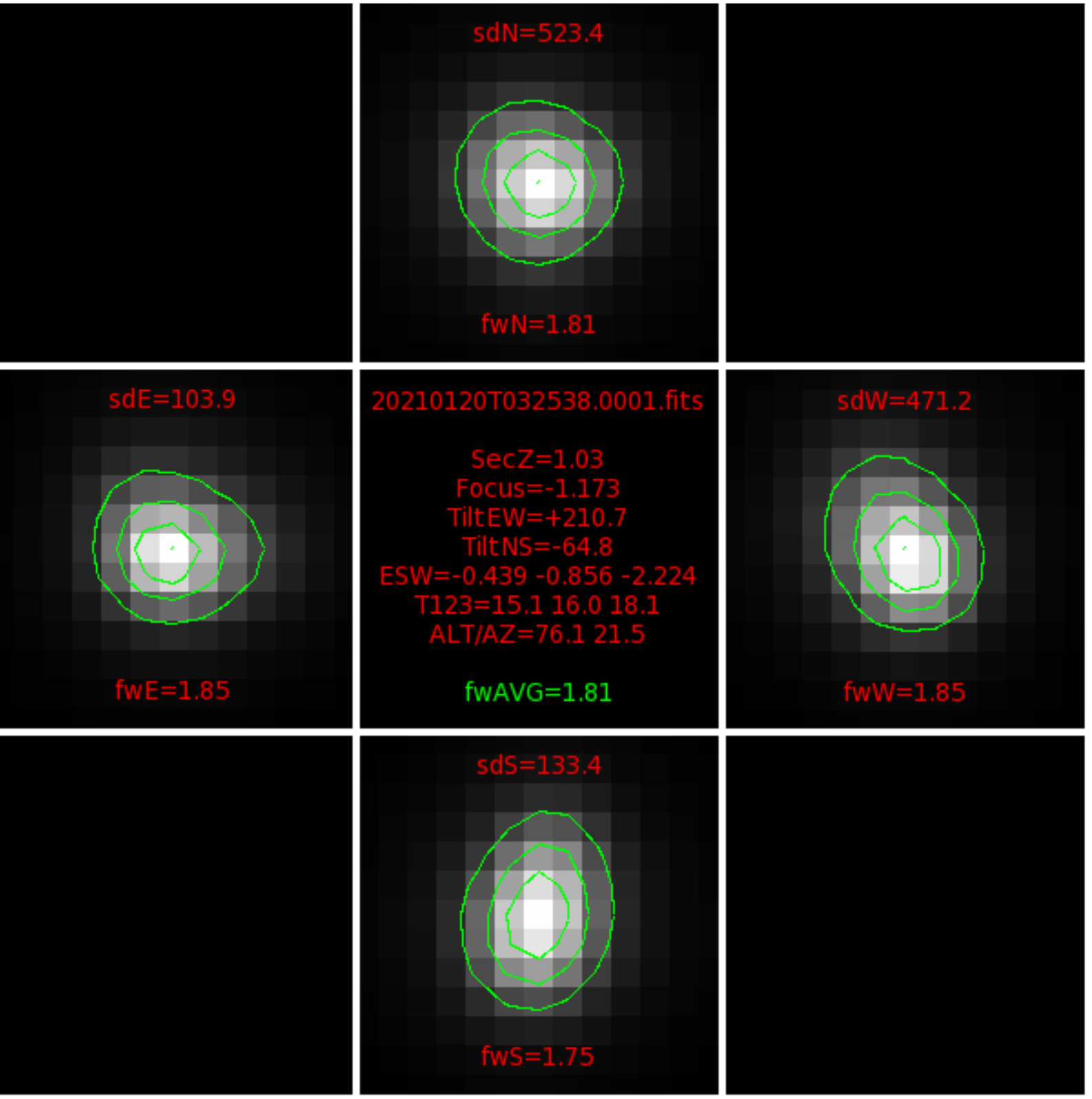
sdN=523.4
fwN=1.81
sdE=103.9
fwE=1.85
20210120T032538.0001.fits
SecZ=1.03
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.1 16.0 18.1
ALT/AZ=76.1 21.5
fwAVG=1.81
sdW=471.2
fwW=1.85
sdS=133.4
fwS=1.75
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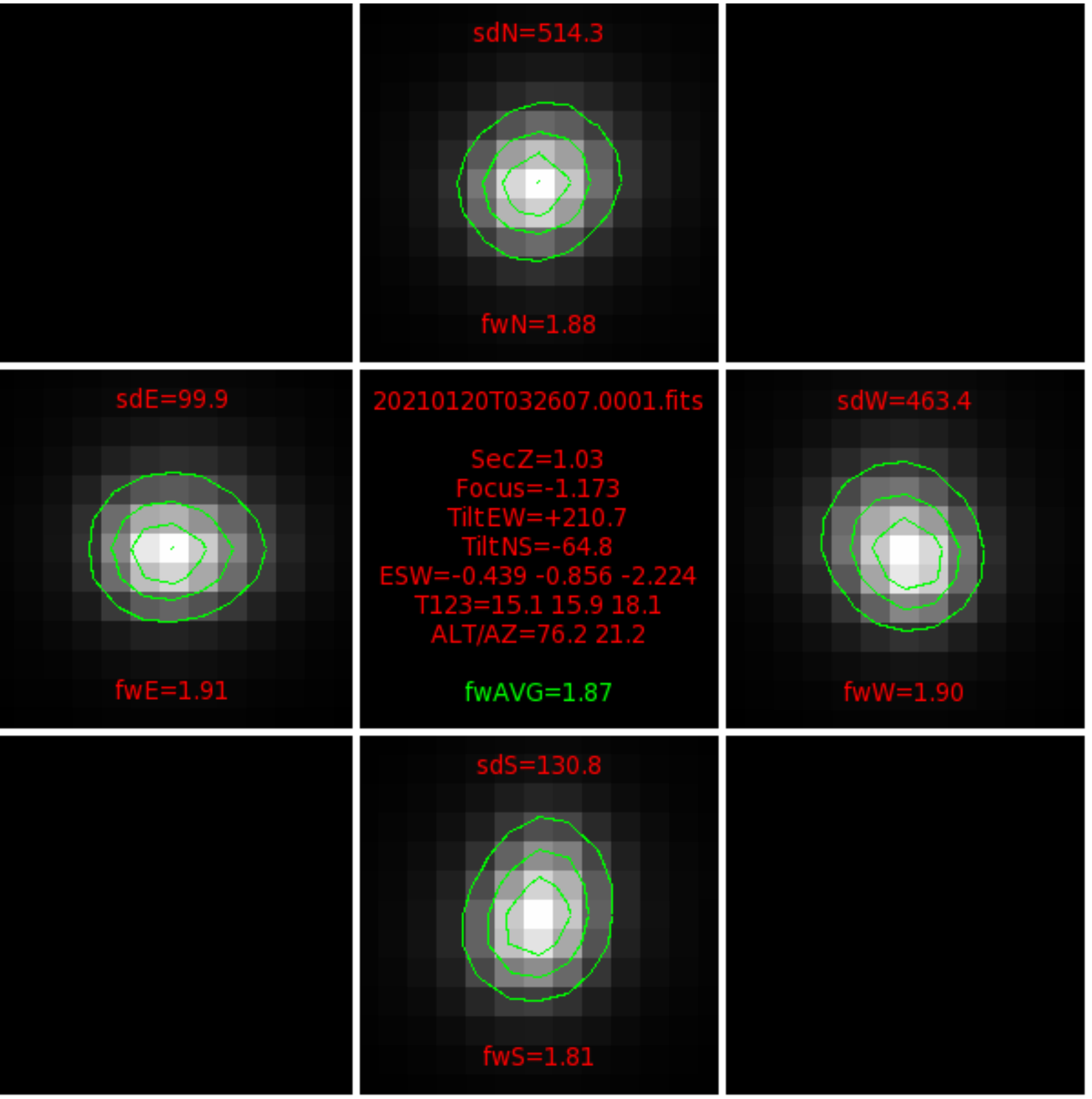
sdN=514.3
fwN=1.88
sdE=99.9
fwE=1.91
20210120T032607.0001.fits
SecZ=1.03
Focus=-1.173
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.439 -0.856 -2.224
T123=15.1 15.9 18.1
ALT/AZ=76.2 21.2
fwAVG=1.87
sdW=463.4
fwW=1.90
sdS=130.8
fwS=1.81
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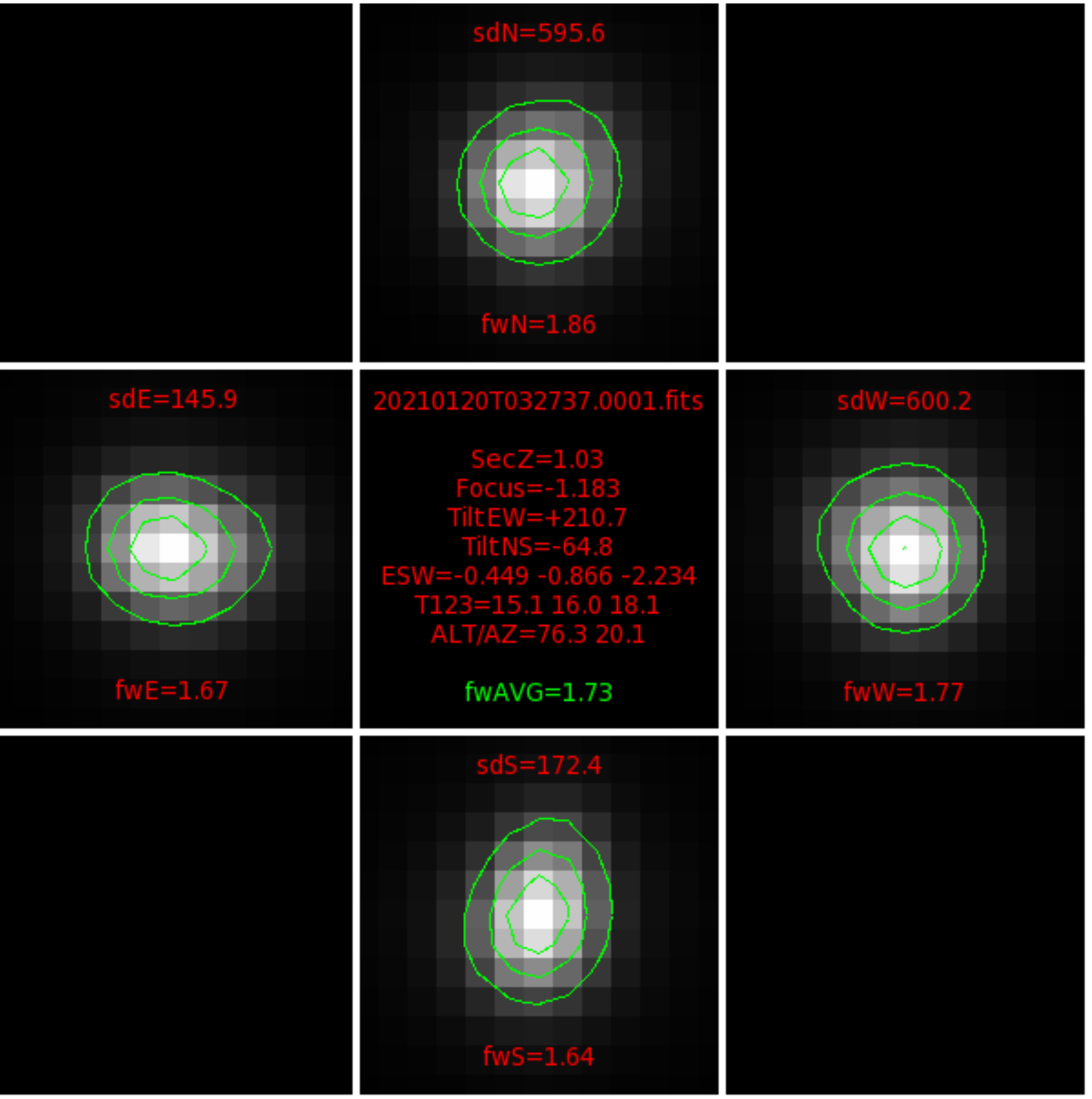
sdN=595.6
fwN=1.86
sdE=145.9
fwE=1.67
20210120T032737.0001.fits
SecZ=1.03
Focus=-1.183
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.449 -0.866 -2.234
T123=15.1 16.0 18.1
ALT/AZ=76.3 20.1
fwAVG=1.73
sdW=600.2
fwW=1.77
sdS=172.4
fwS=1.64
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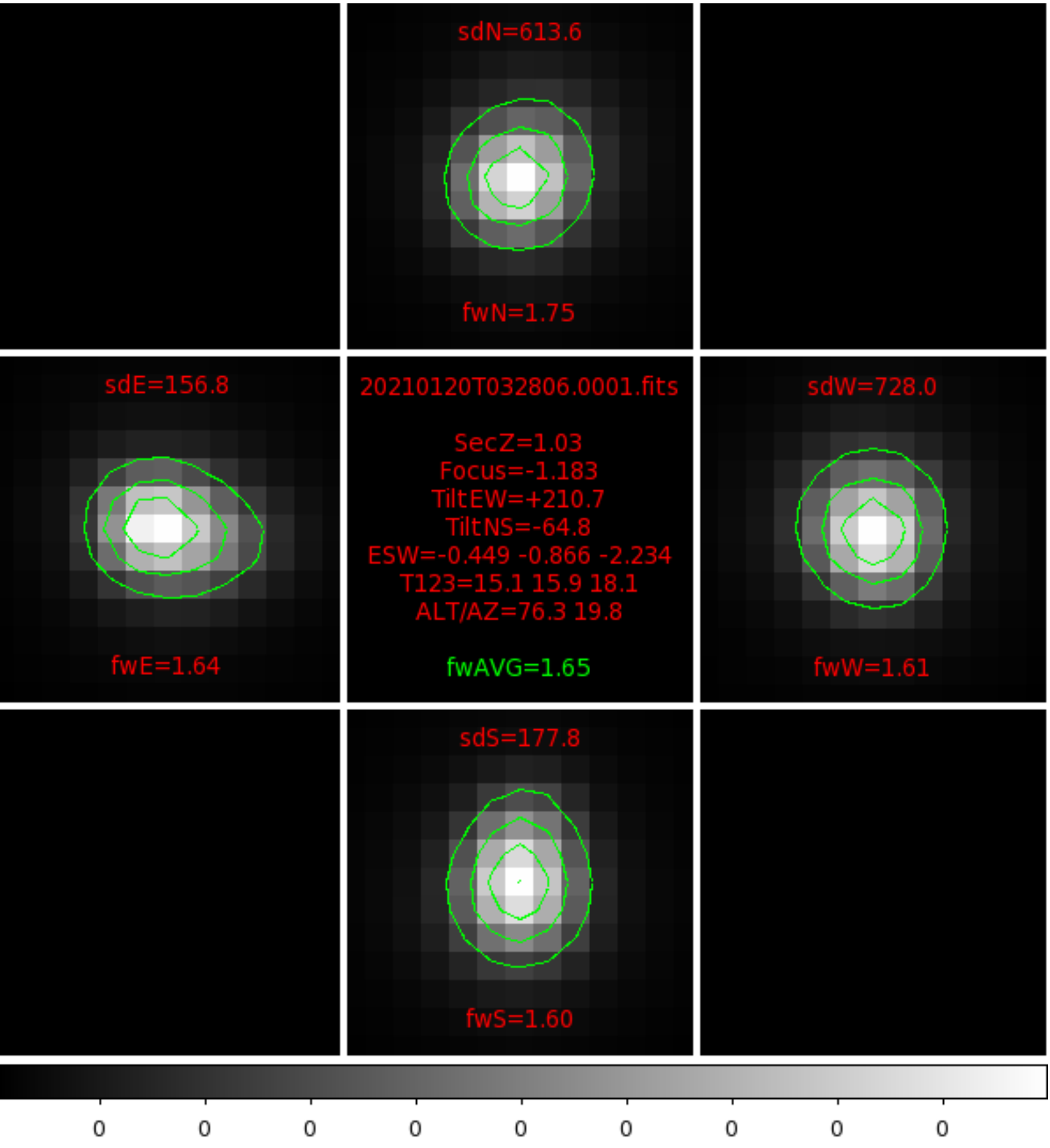
sdN=613.6
fwN=1.75
sdE=156.8
fwE=1.64
20210120T032806.0001.fits
SecZ=1.03
Focus=-1.183
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.449 -0.866 -2.234
T123=15.1 15.9 18.1
ALT/AZ=76.3 19.8
fwAVG=1.65
sdW=728.0
fwW=1.61
sdS=177.8
fwS=1.60
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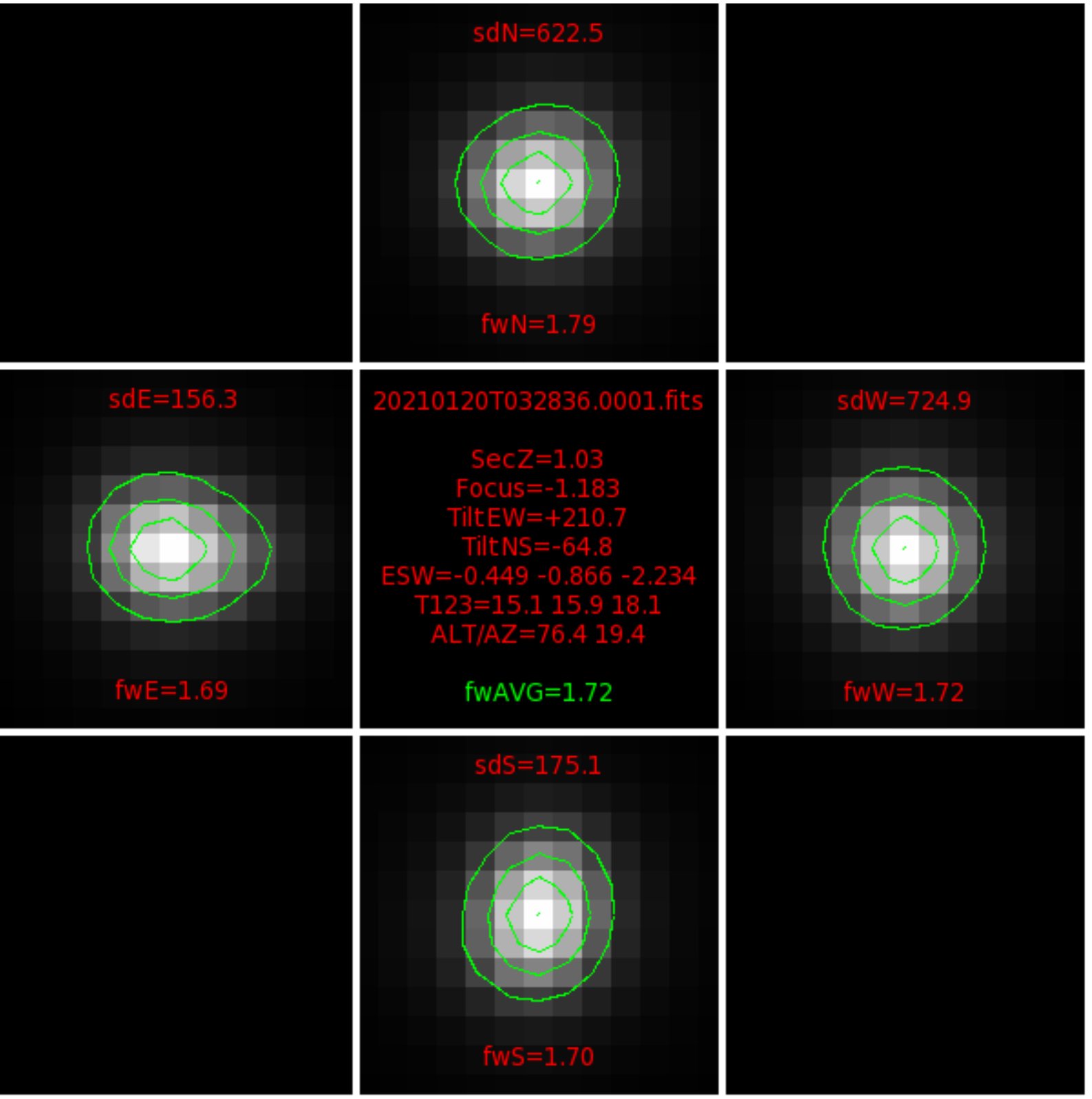
sdN=622.5
fwN=1.79
sdE=156.3
fwE=1.69
20210120T032836.0001.fits
SecZ=1.03
Focus=-1.183
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.449 -0.866 -2.234
T123=15.1 15.9 18.1
ALT/AZ=76.4 19.4
fwAVG=1.72
sdW=724.9
fwW=1.72
sdS=175.1
fwS=1.70
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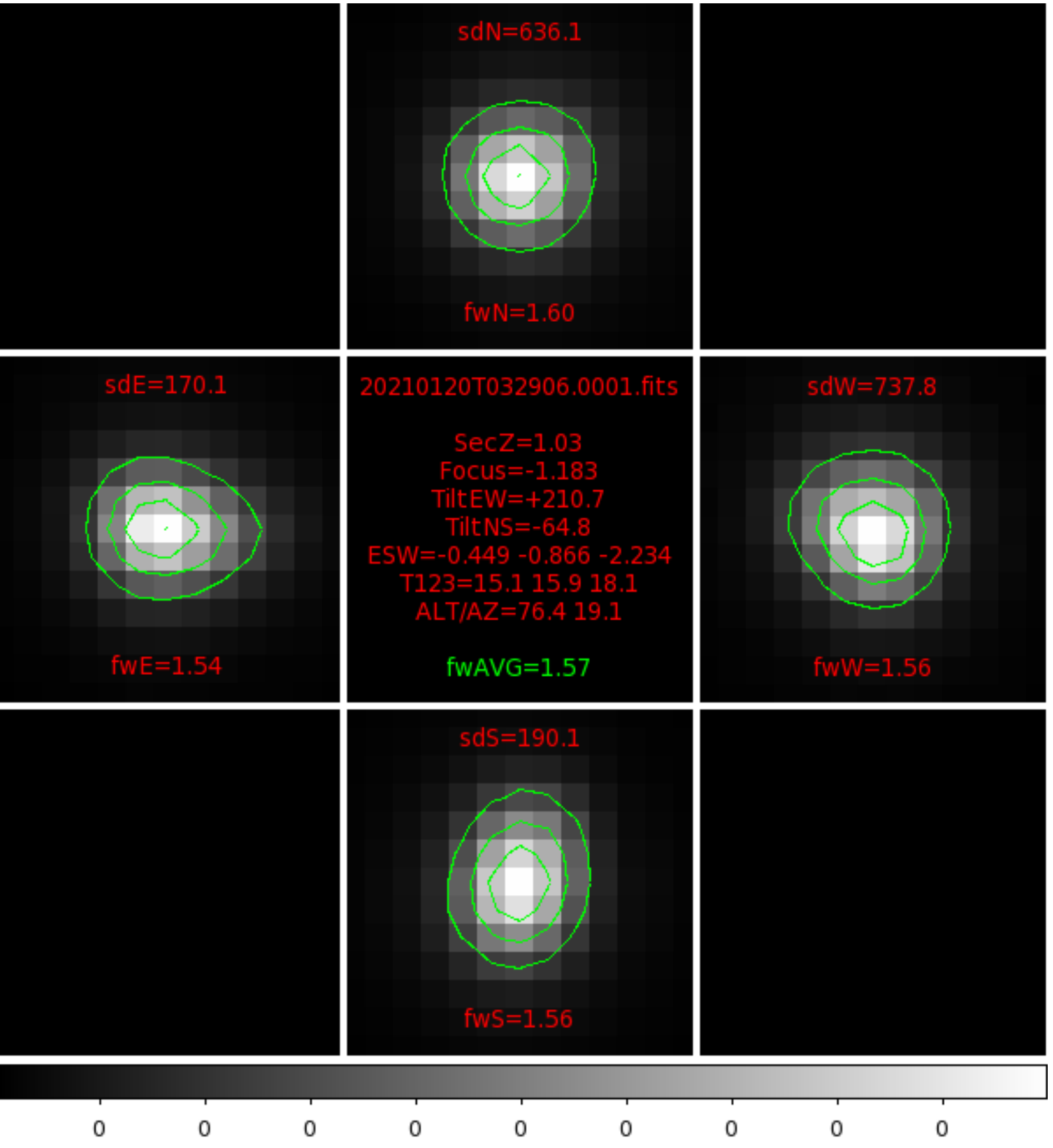
sdN=636.1
fwN=1.60
sdE=170.1
fwE=1.54
20210120T032906.0001.fits
SecZ=1.03
Focus=-1.183
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.449 -0.866 -2.234
T123=15.1 15.9 18.1
ALT/AZ=76.4 19.1
fwAVG=1.57
sdW=737.8
fwW=1.56
sdS=190.1
fwS=1.56
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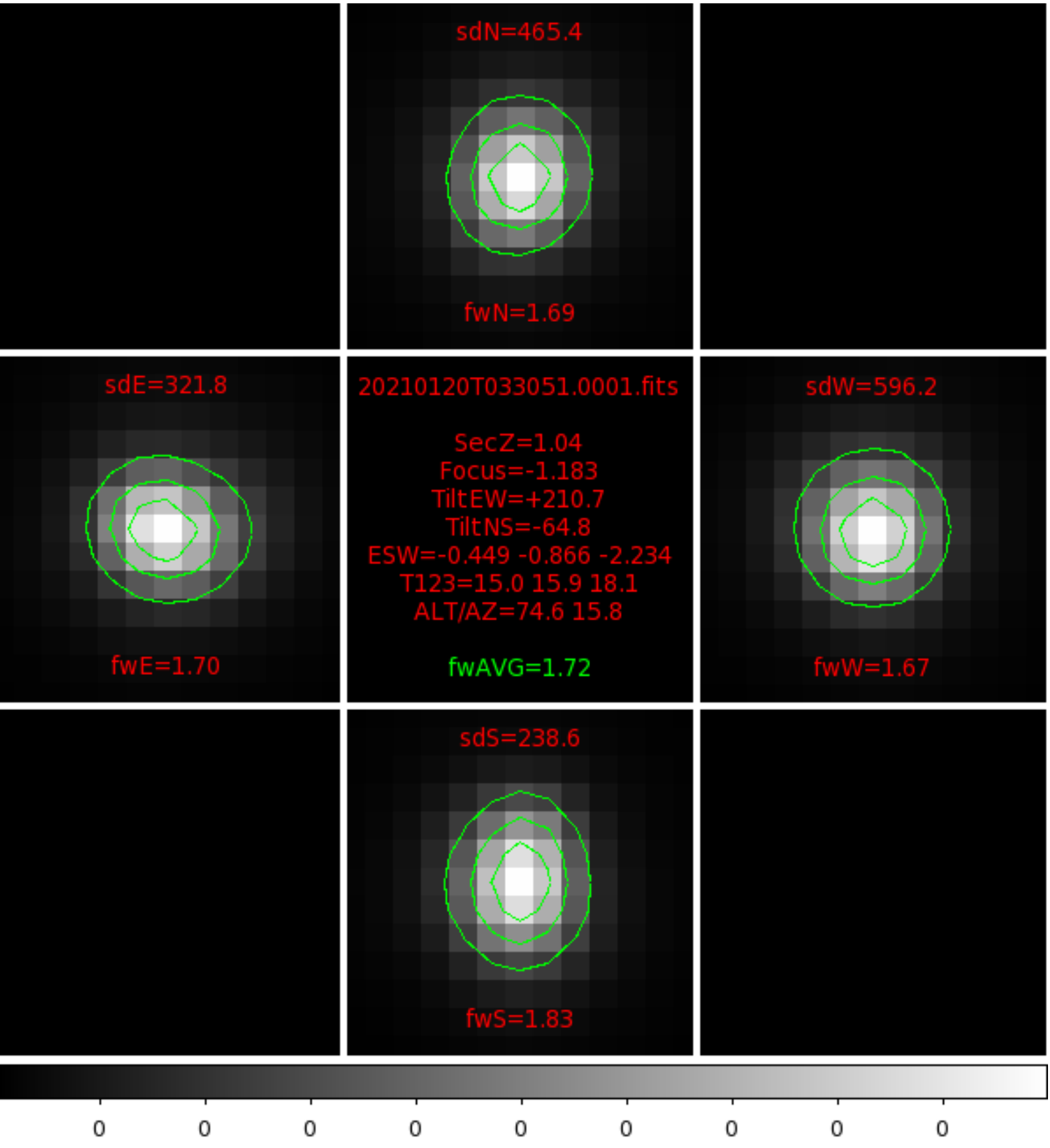
sdN=465.4
fwN=1.69
sdE=321.8
fwE=1.70
20210120T033051.0001.fits
SecZ=1.04
Focus=-1.183
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.449 -0.866 -2.234
T123=15.0 15.9 18.1
ALT/AZ=74.6 15.8
fwAVG=1.72
sdW=596.2
fwW=1.67
sdS=238.6
fwS=1.83
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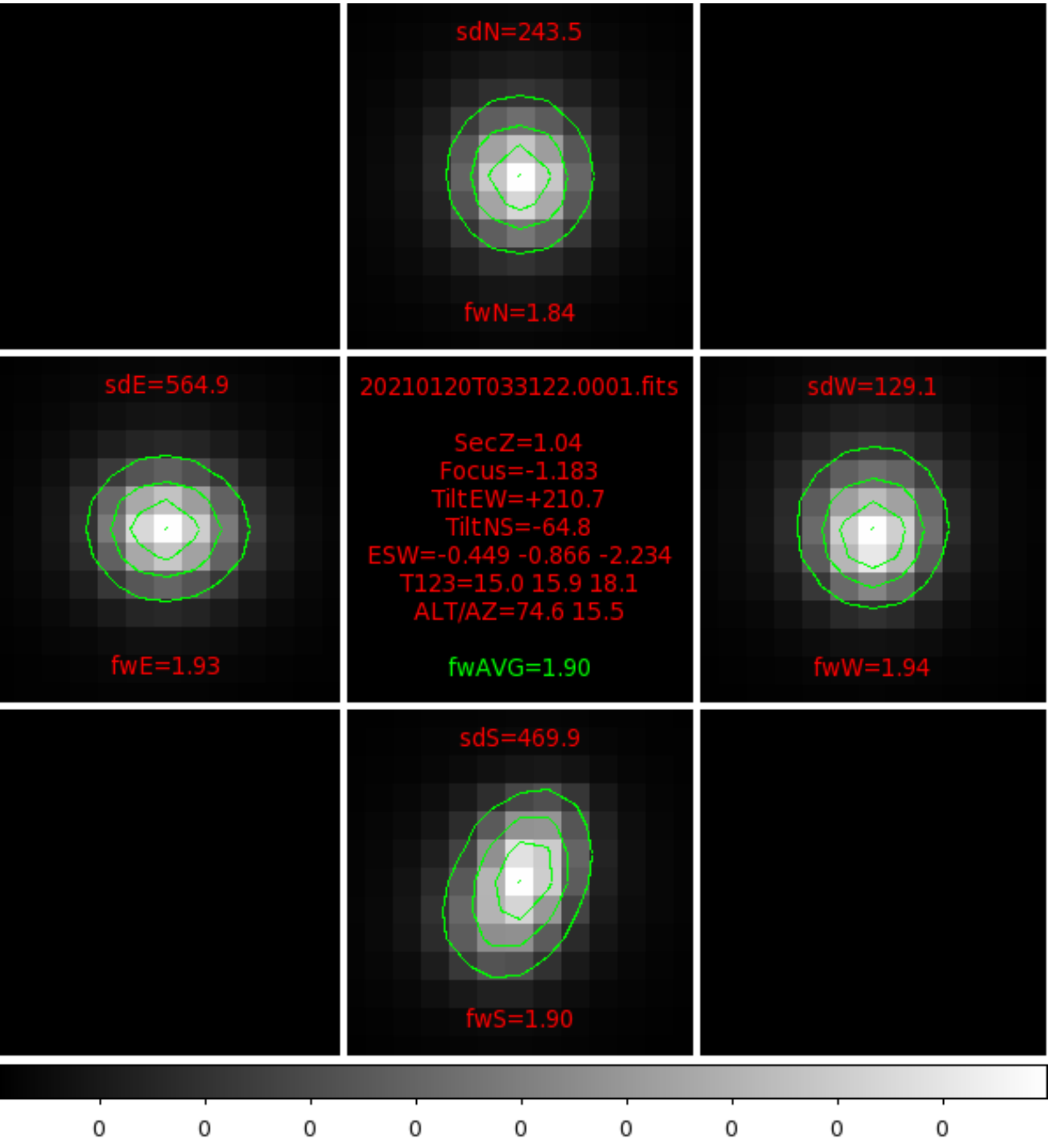
sdN=243.5
fwN=1.84
sdE=564.9
fwE=1.93
20210120T033122.0001.fits
SecZ=1.04
Focus=-1.183
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.449 -0.866 -2.234
T123=15.0 15.9 18.1
ALT/AZ=74.6 15.5
fwAVG=1.90
sdW=129.1
fwW=1.94
sdS=469.9
fwS=1.90
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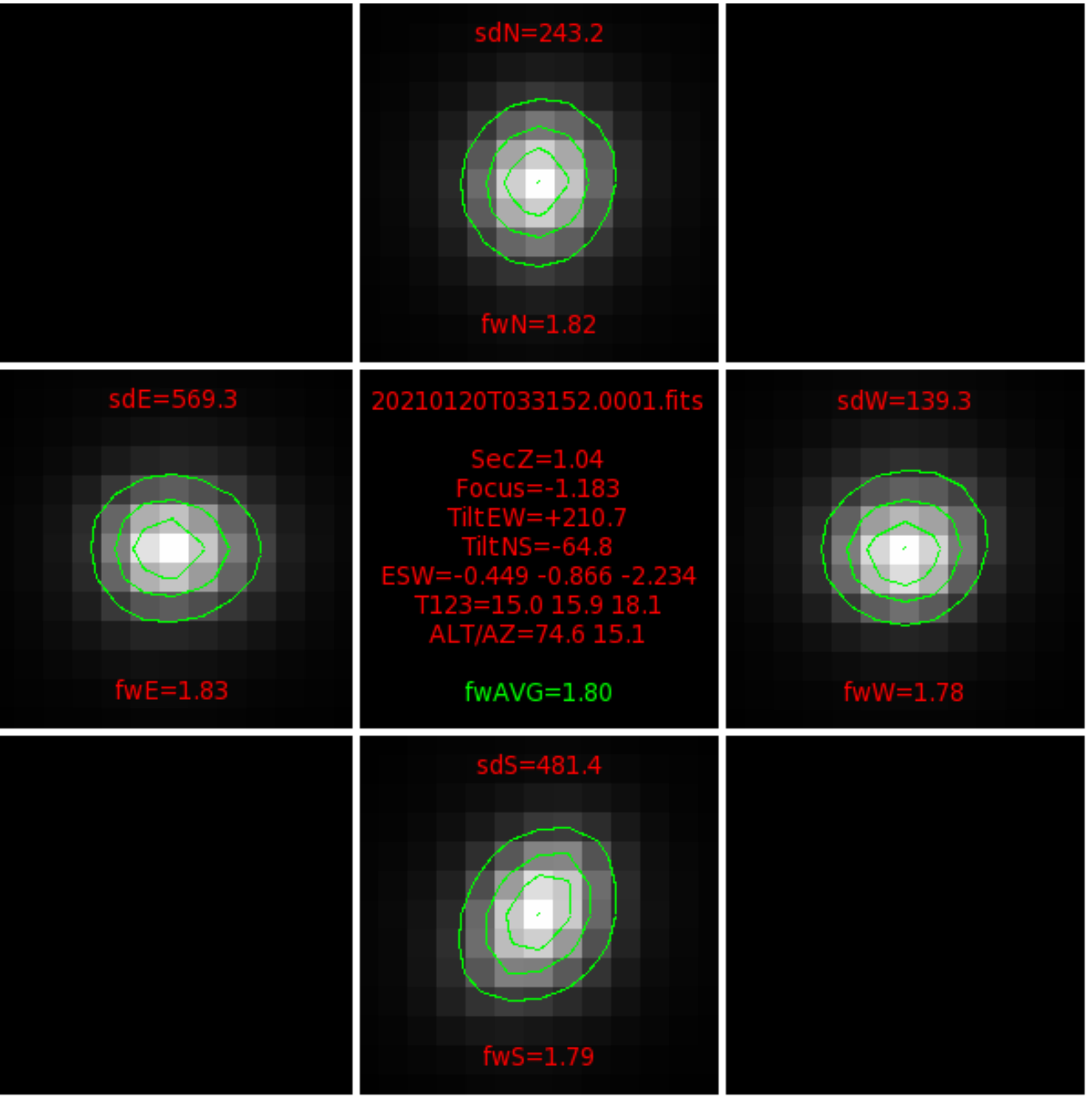
sdN=243.2
fwN=1.82
sdE=569.3
fwE=1.83
20210120T033152.0001.fits
SecZ=1.04
Focus=-1.183
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.449 -0.866 -2.234
T123=15.0 15.9 18.1
ALT/AZ=74.6 15.1
fwAVG=1.80
sdW=139.3
fwW=1.78
sdS=481.4
fwS=1.79
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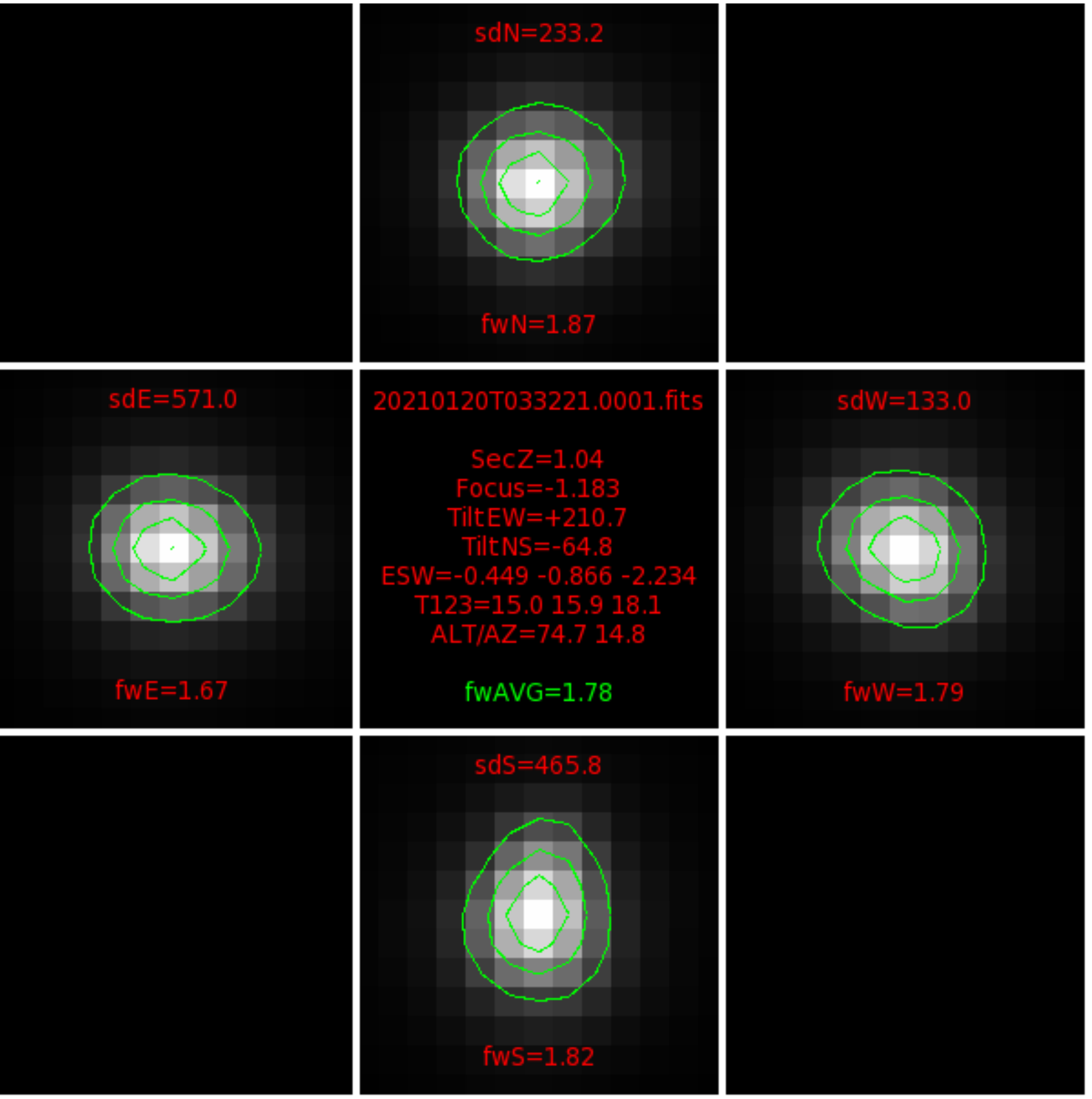
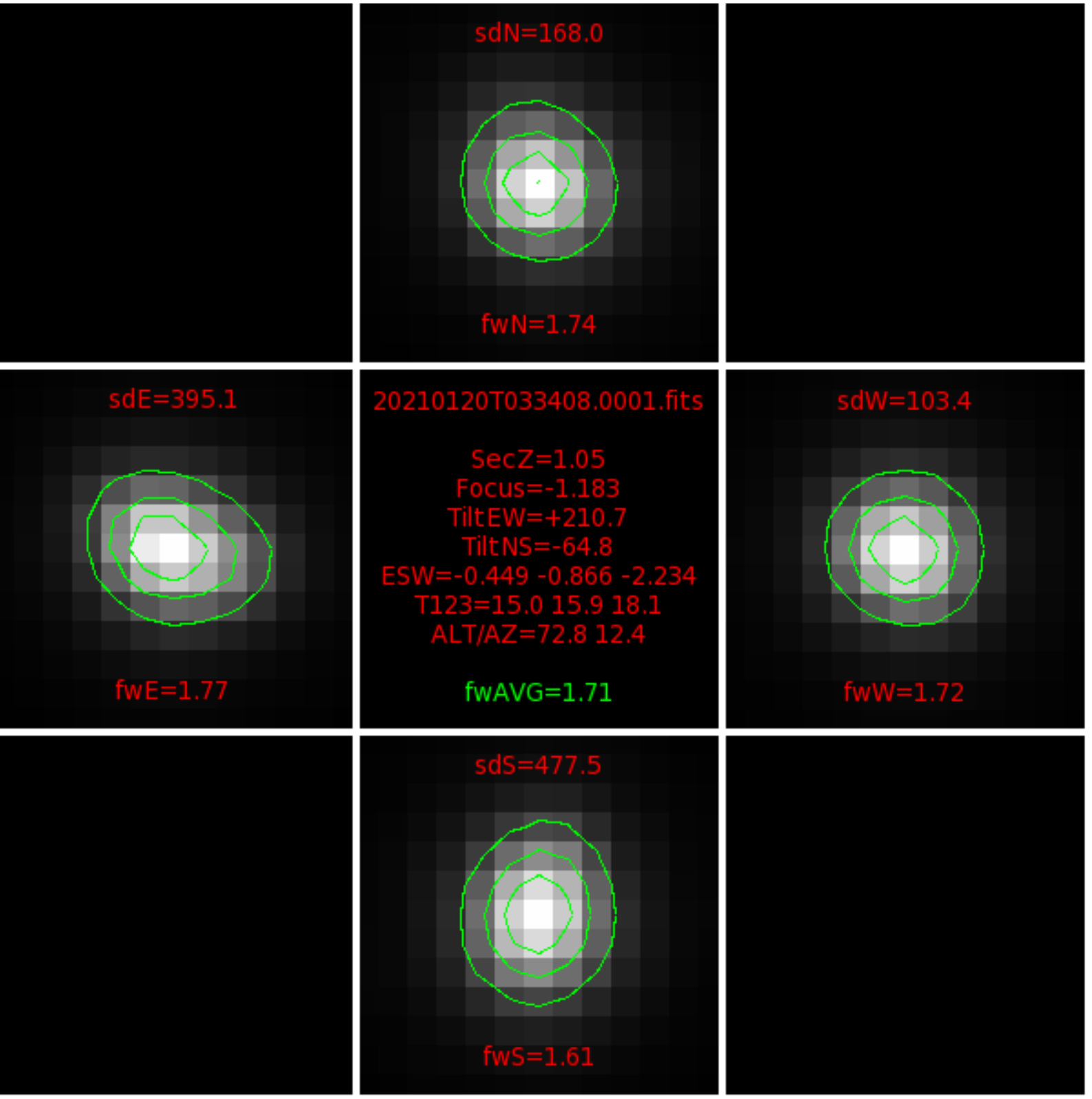

sdN=233.2
fwN=1.87
sdE=571.0
fwE=1.67
20210120T033221.0001.fits
SecZ=1.04
Focus=-1.183
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.449 -0.866 -2.234
T123=15.0 15.9 18.1
ALT/AZ=74.7 14.8
fwAVG=1.78
sdW=133.0
fwW=1.79
sdS=465.8
fwS=1.82
0 0 0 0 0 0 0 0 0


sdN=168.0
fwN=1.74
sdE=395.1
fwE=1.77
20210120T033408.0001.fits
SecZ=1.05
Focus=-1.183
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.449 -0.866 -2.234
T123=15.0 15.9 18.1
ALT/AZ=72.8 12.4
fwAVG=1.71
sdW=103.4
fwW=1.72
sdS=477.5
fwS=1.61
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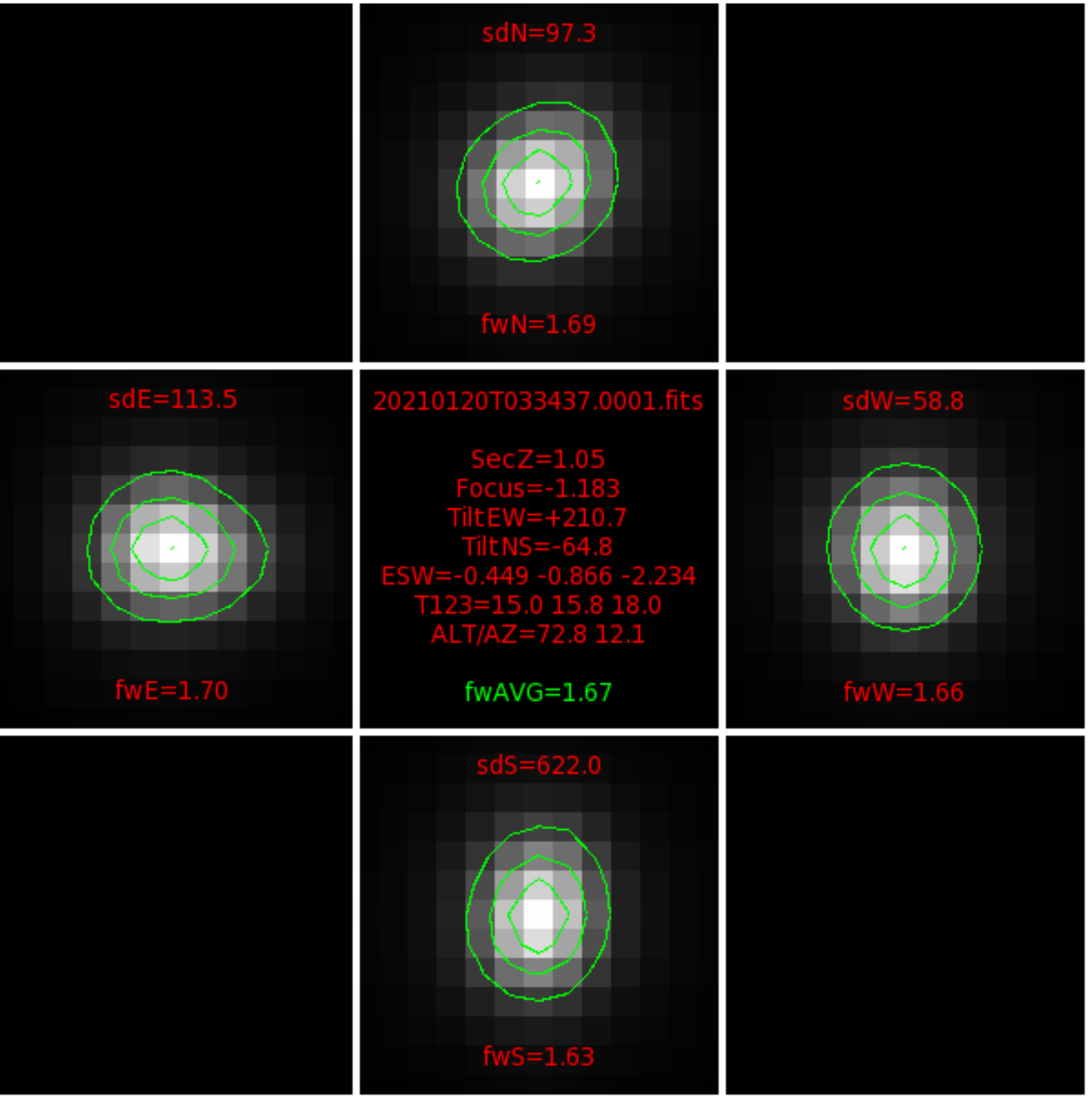
sdN=97.3
fwN=1.69
sdE=113.5
fwE=1.70
20210120T033437.0001.fits
SecZ=1.05
Focus=-1.183
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.449 -0.866 -2.234
T123=15.0 15.8 18.0
ALT/AZ=72.8 12.1
fwAVG=1.67
sdW=58.8
fwW=1.66
sdS=622.0
fwS=1.63
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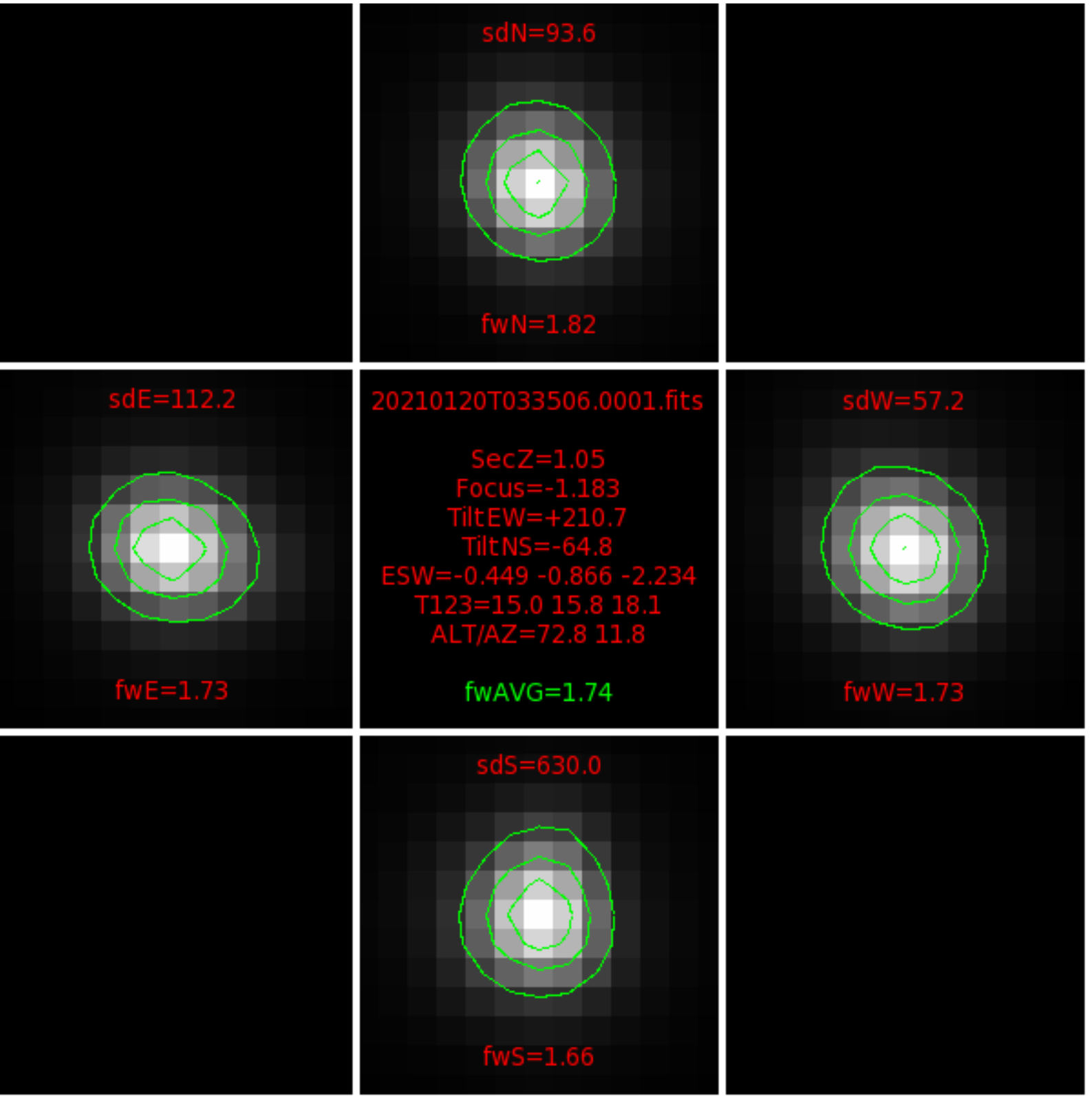
sdN=93.6
fwN=1.82
sdE=112.2
fwE=1.73
20210120T033506.0001.fits
SecZ=1.05
Focus=-1.183
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.449 -0.866 -2.234
T123=15.0 15.8 18.1
ALT/AZ=72.8 11.8
fwAVG=1.74
sdW=57.2
fwW=1.73
sdS=630.0
fwS=1.66
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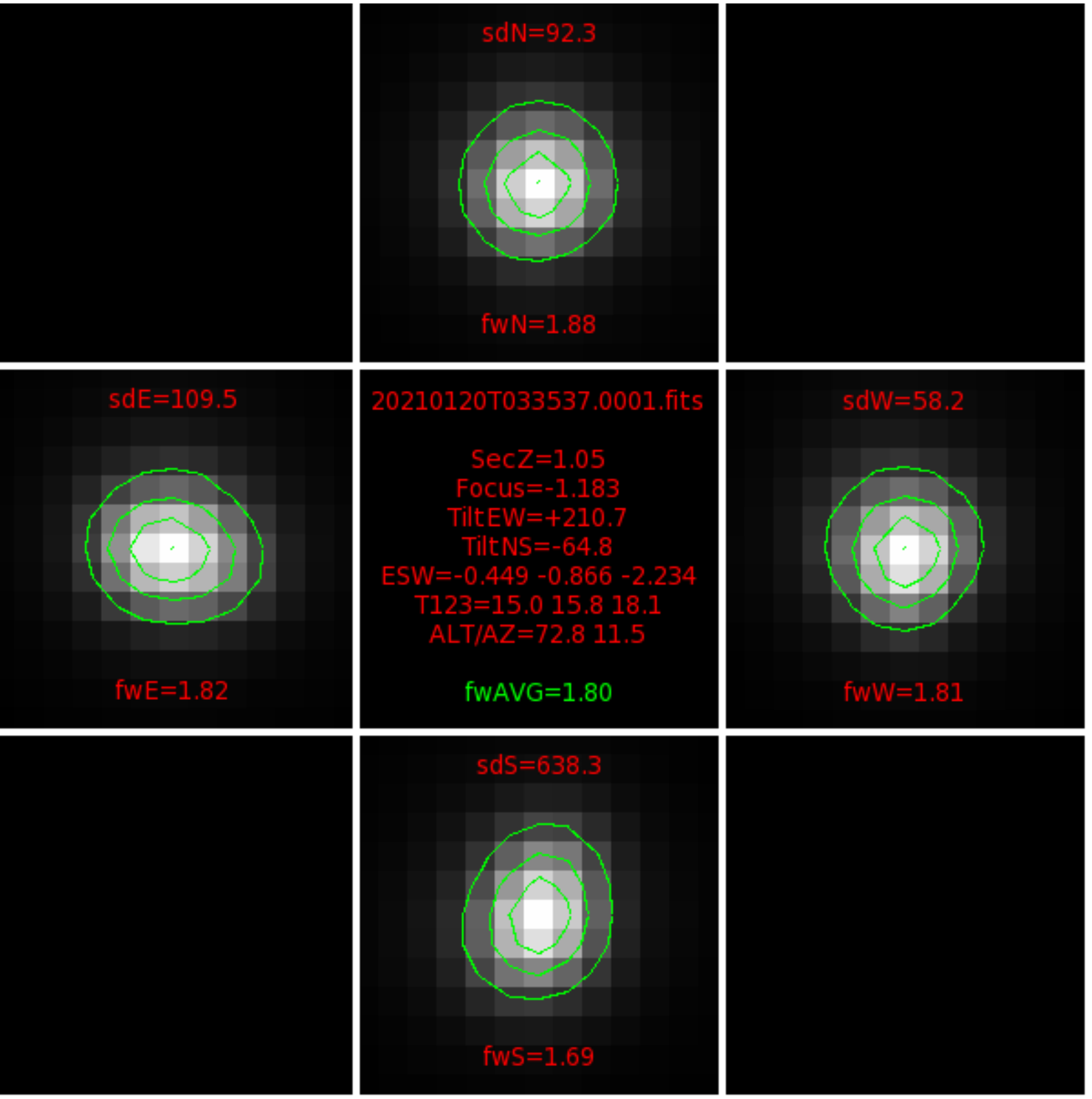
sdN=92.3
fwN=1.88
sdE=109.5
fwE=1.82
20210120T033537.0001.fits
SecZ=1.05
Focus=-1.183
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.449 -0.866 -2.234
T123=15.0 15.8 18.1
ALT/AZ=72.8 11.5
fwAVG=1.80
sdW=58.2
fwW=1.81
sdS=638.3
fwS=1.69
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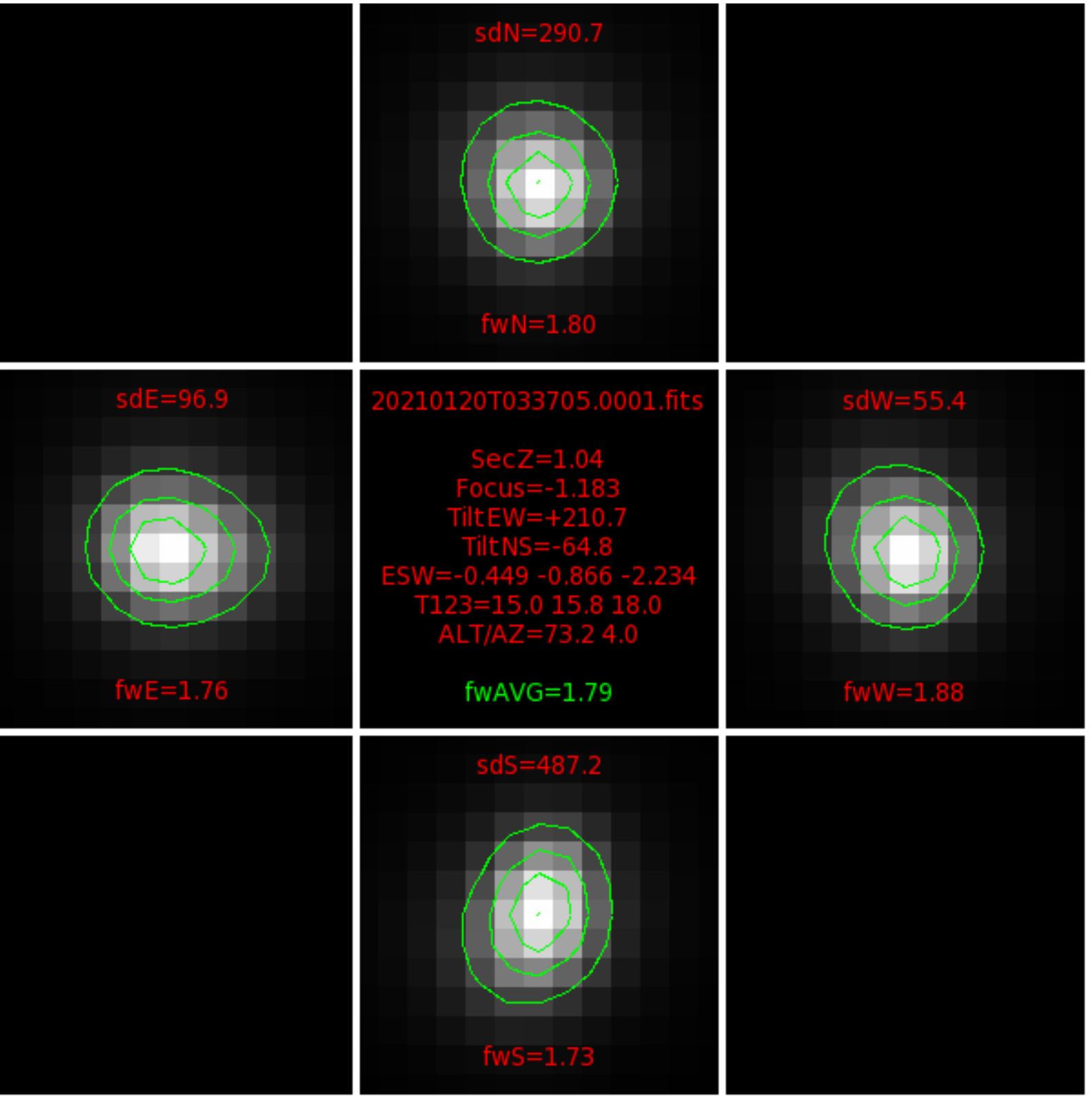
sdN=290.7
fwN=1.80
sdE=96.9
fwE=1.76
20210120T033705.0001.fits
SecZ=1.04
Focus=-1.183
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.449 -0.866 -2.234
T123=15.0 15.8 18.0
ALT/AZ=73.2 4.0
fwAVG=1.79
sdW=55.4
fwW=1.88
sdS=487.2
fwS=1.73
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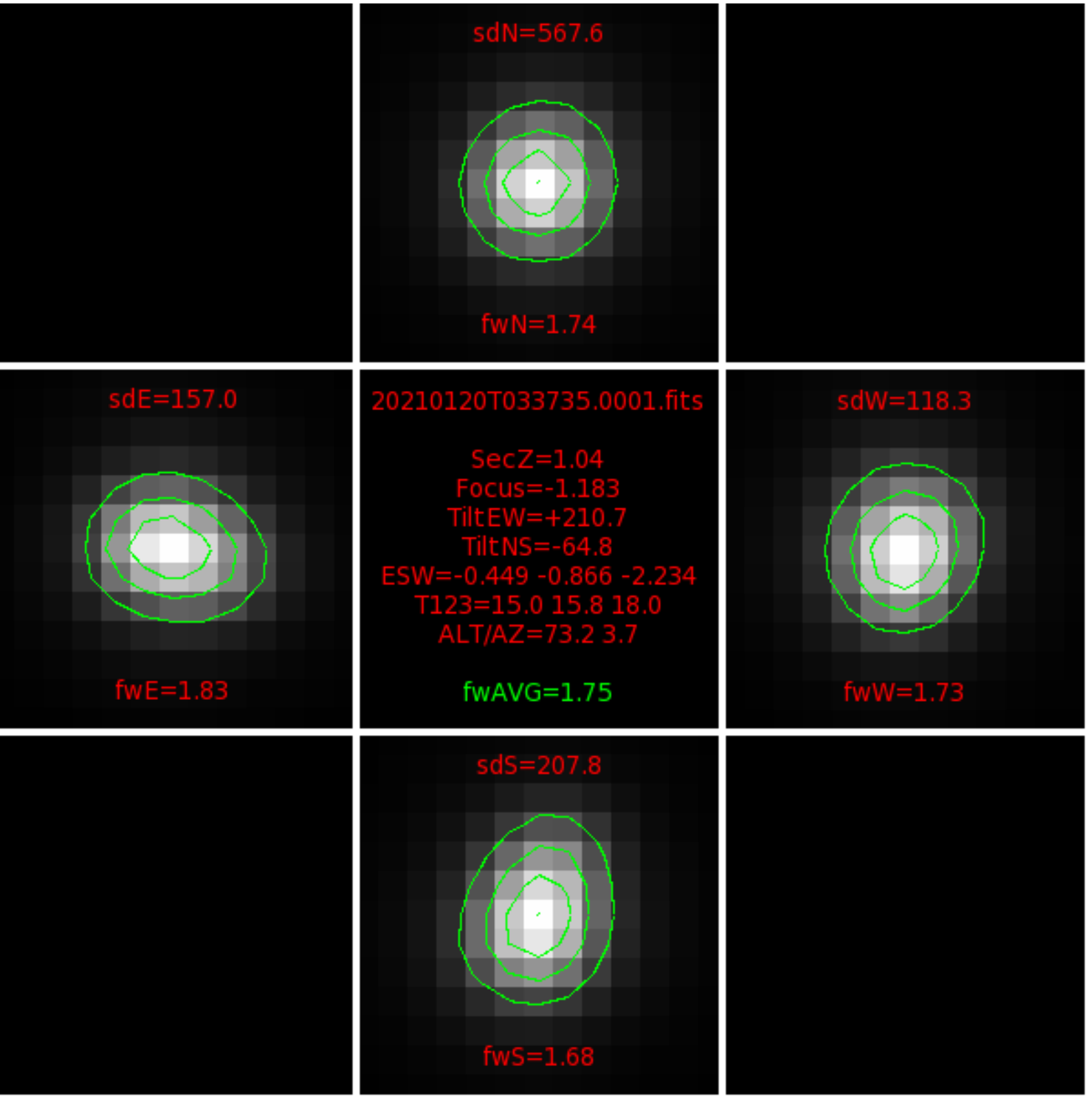
sdN=567.6
fwN=1.74
sdE=157.0
fwE=1.83
20210120T033735.0001.fits
SecZ=1.04
Focus=-1.183
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.449 -0.866 -2.234
T123=15.0 15.8 18.0
ALT/AZ=73.2 3.7
fwAVG=1.75
sdW=118.3
fwW=1.73
sdS=207.8
fwS=1.68
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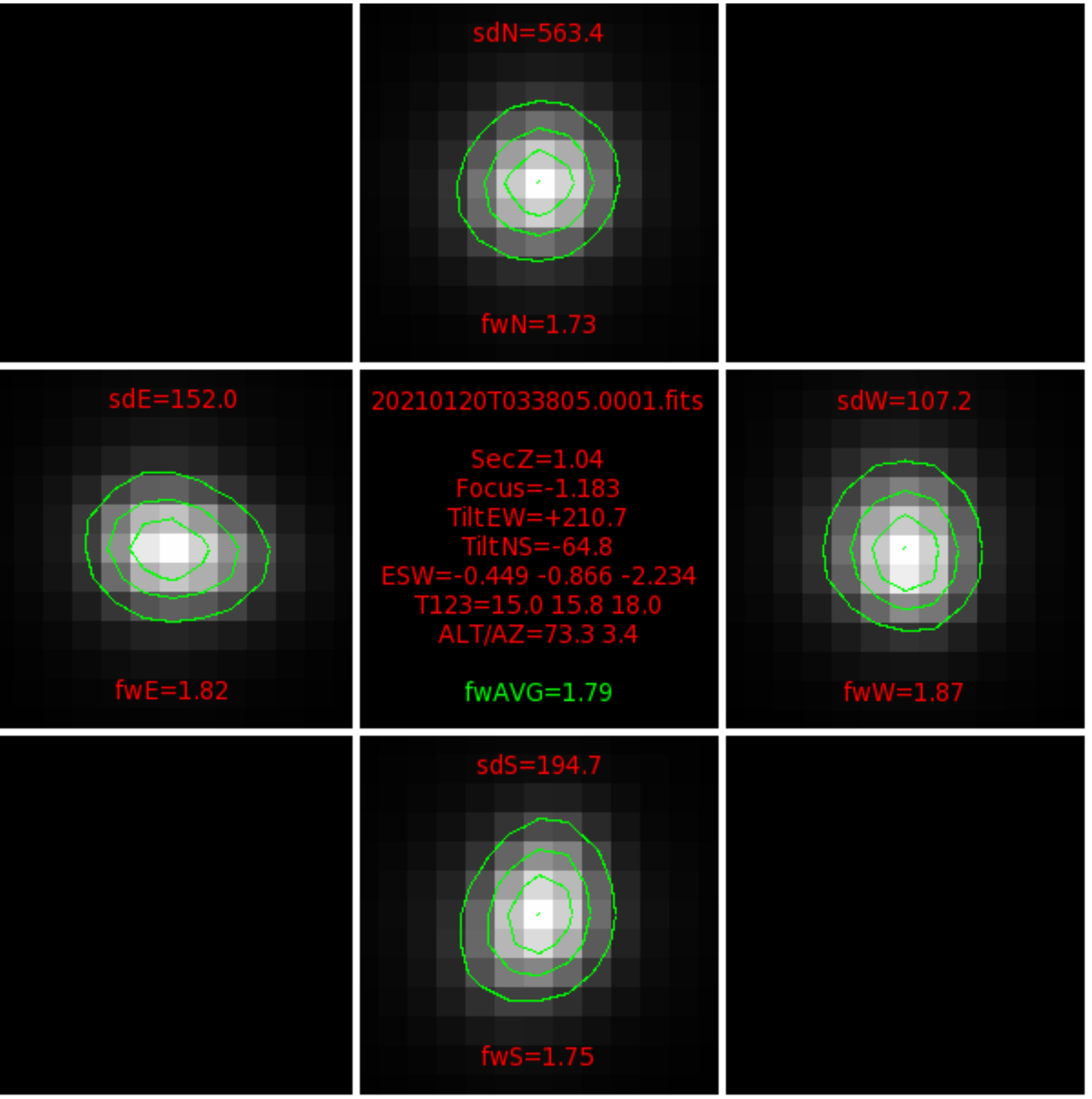
sdN=563.4
fwN=1.73
sdE=152.0
fwE=1.82
20210120T033805.0001.fits
SecZ=1.04
Focus=-1.183
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.449 -0.866 -2.234
T123=15.0 15.8 18.0
ALT/AZ=73.3 3.4
fwAVG=1.79
sdW=107.2
fwW=1.87
sdS=194.7
fwS=1.75
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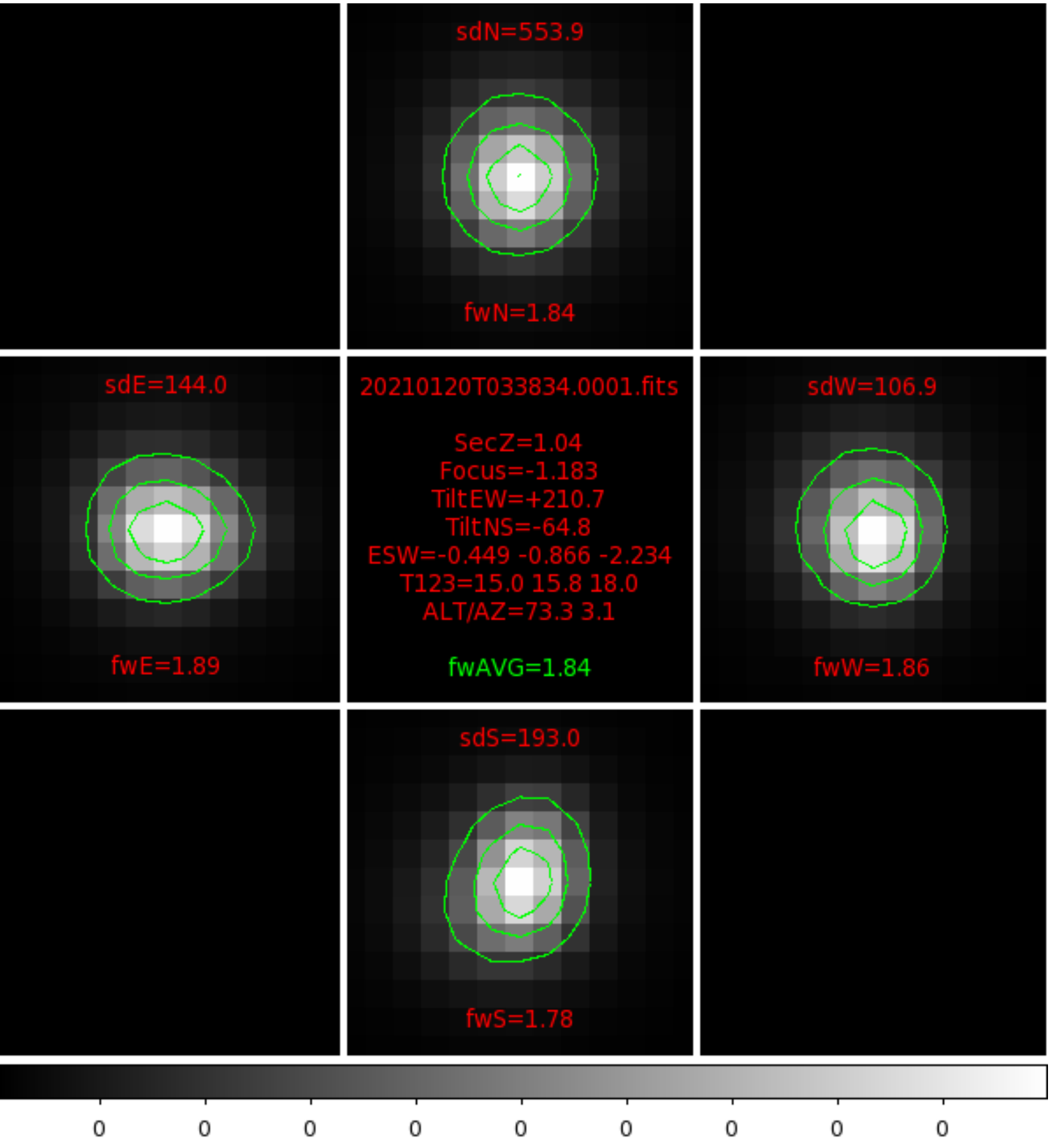
sdN=553.9
fwN=1.84
sdE=144.0
fwE=1.89
20210120T033834.0001.fits
SecZ=1.04
Focus=-1.183
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.449 -0.866 -2.234
T123=15.0 15.8 18.0
ALT/AZ=73.3 3.1
fwAVG=1.84
sdW=106.9
fwW=1.86
sdS=193.0
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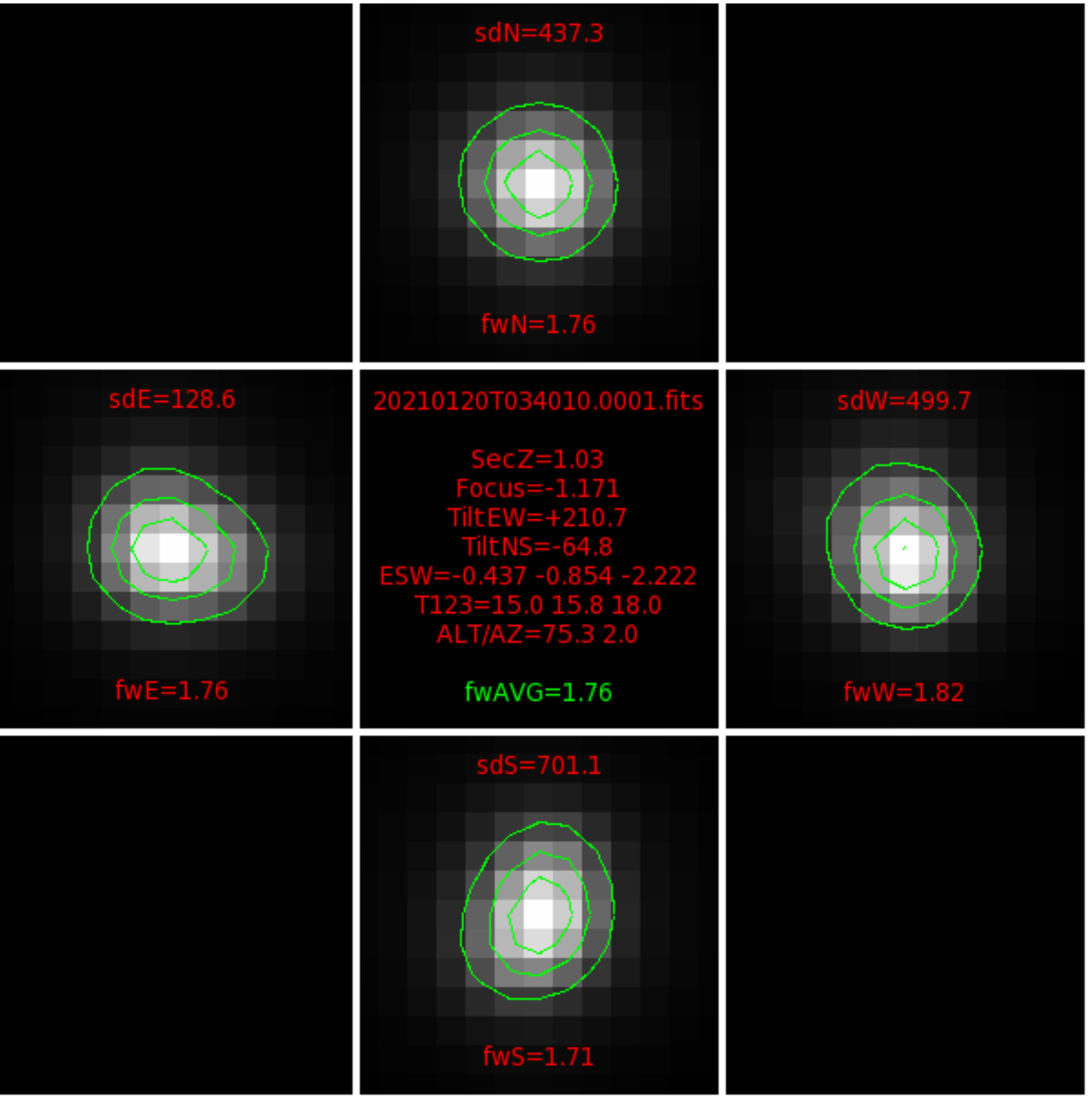
sdN=437.3
fwN=1.76
sdE=128.6
fwE=1.76
20210120T034010.0001.fits
SecZ=1.03
Focus=-1.171
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.437 -0.854 -2.222
T123=15.0 15.8 18.0
ALT/AZ=75.3 2.0
fwAVG=1.76
sdW=499.7
fwW=1.82
sdS=701.1
fwS=1.71
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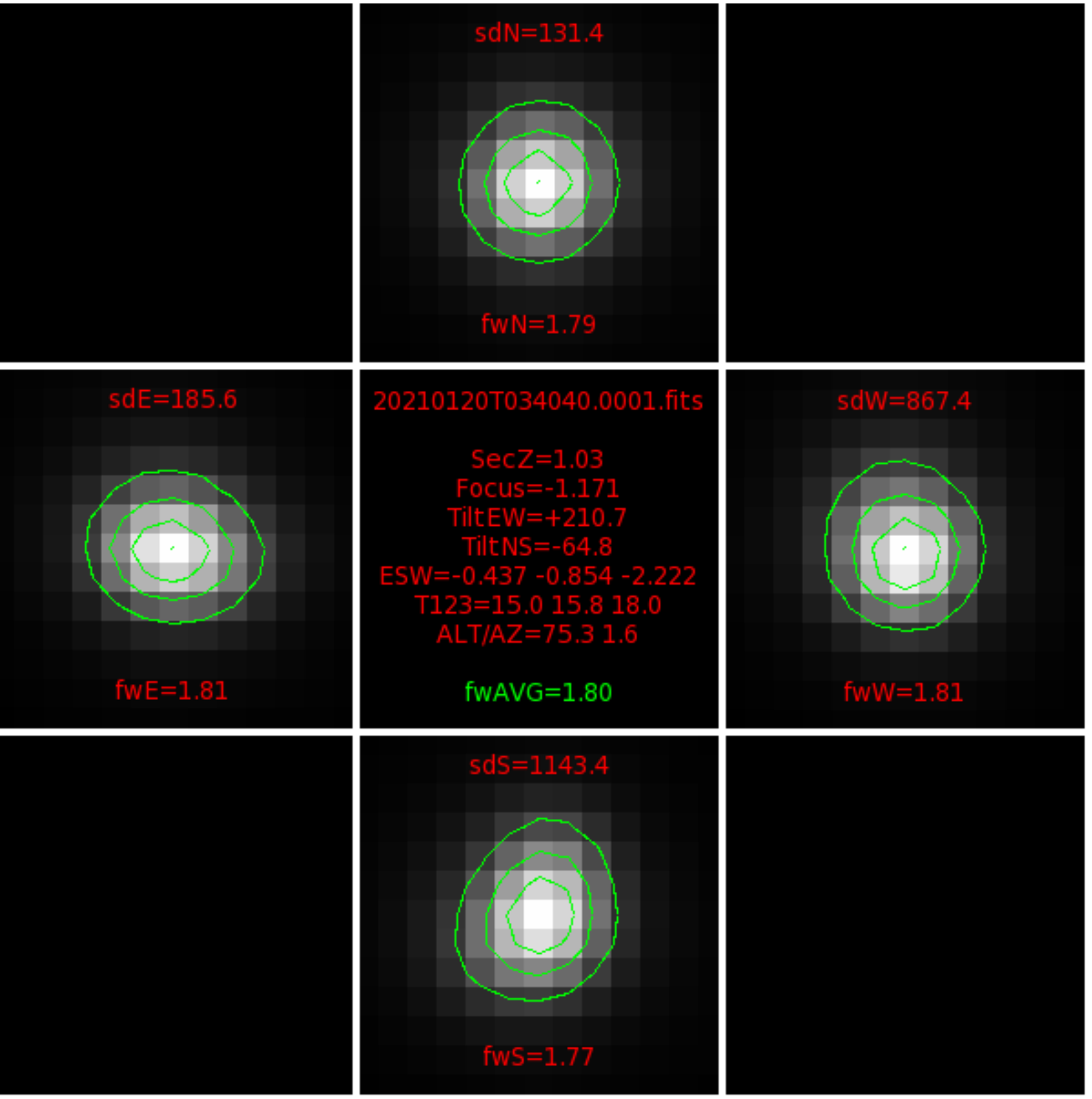
sdN=131.4
fwN=1.79
sdE=185.6
fwE=1.81
20210120T034040.0001.fits
SecZ=1.03
Focus=-1.171
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.437 -0.854 -2.222
T123=15.0 15.8 18.0
ALT/AZ=75.3 1.6
fwAVG=1.80
sdW=867.4
fwW=1.81
sdS=1143.4
fwS=1.77
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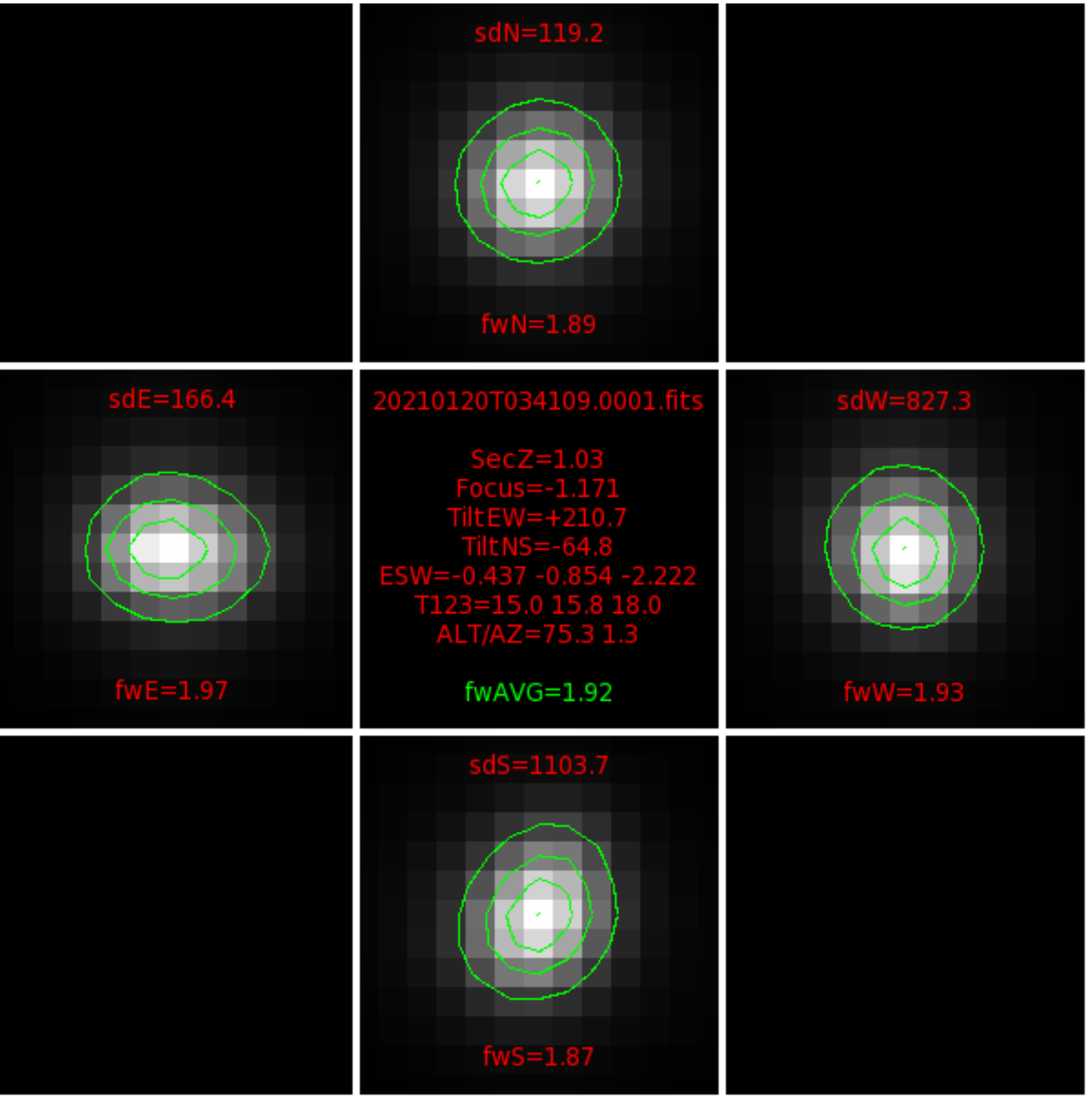
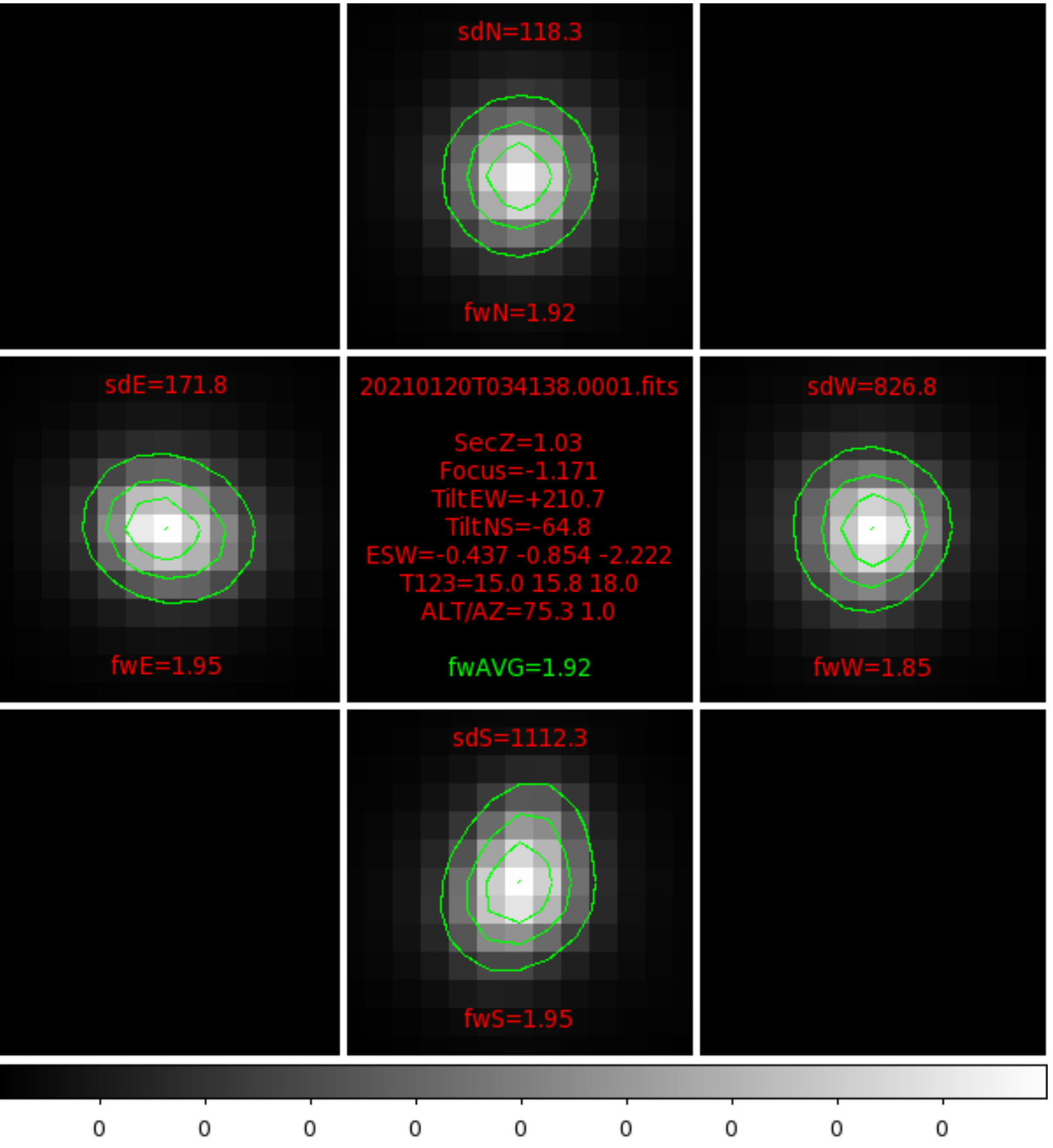

sdN=119.2
fwN=1.89
sdE=166.4
fwE=1.97
20210120T034109.0001.fits
SecZ=1.03
Focus=-1.171
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.437 -0.854 -2.222
T123=15.0 15.8 18.0
ALT/AZ=75.3 1.3
fwAVG=1.92
sdW=827.3
fwW=1.93
sdS=1103.7
fwS=1.87
0 0 0 0 0 0 0 0 0


sdN=118.3
fwN=1.92
sdE=171.8
fwE=1.95
20210120T034138.0001.fits
SecZ=1.03
Focus=-1.171
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.437 -0.854 -2.222
T123=15.0 15.8 18.0
ALT/AZ=75.3 1.0
fwAVG=1.92
sdW=826.8
fwW=1.85
sdS=1112.3
fwS=1.95
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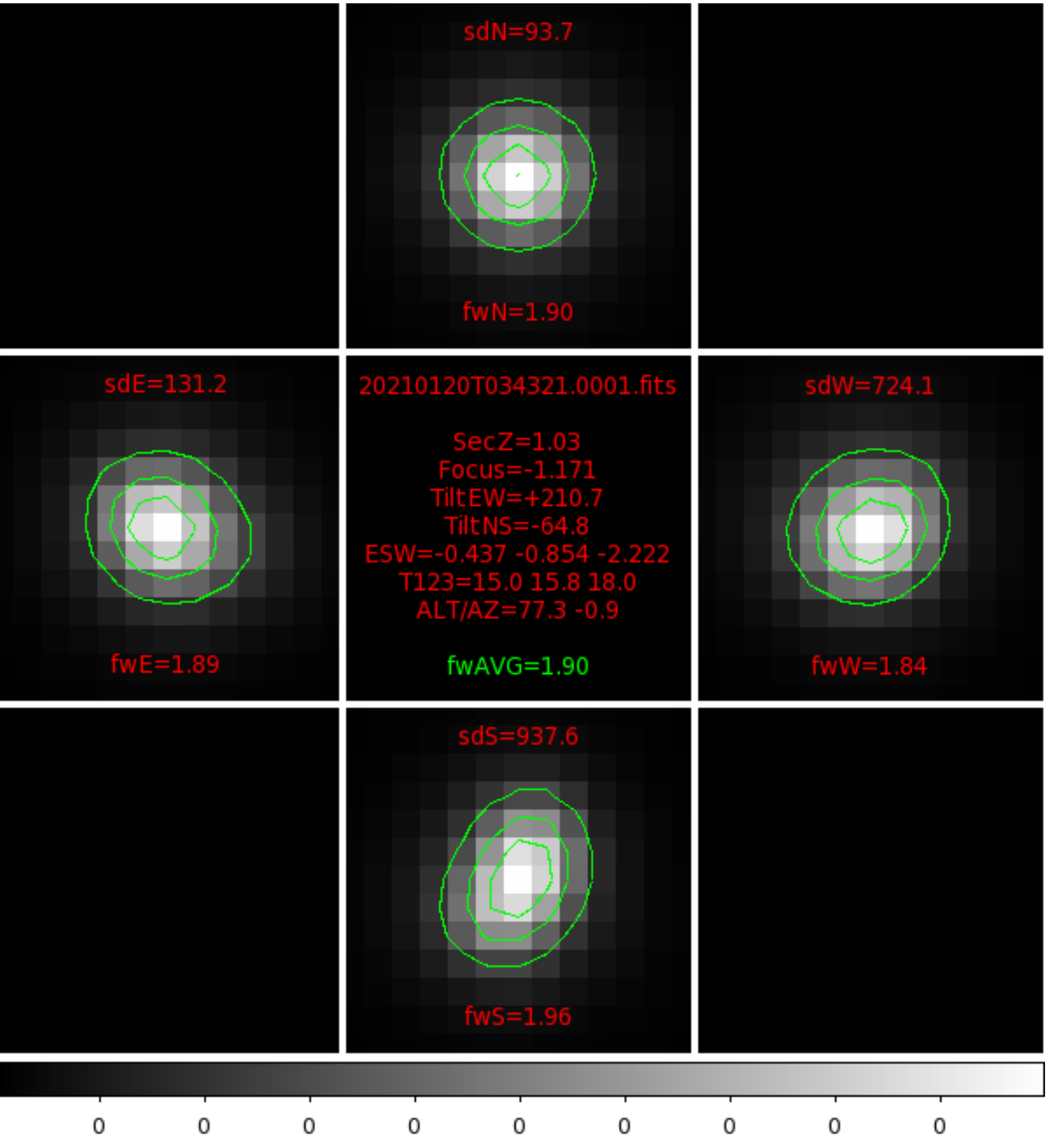
sdN=93.7
fwN=1.90
sdE=131.2
fwE=1.89
20210120T034321.0001.fits
SecZ=1.03
Focus=-1.171
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.437 -0.854 -2.222
T123=15.0 15.8 18.0
ALT/AZ=77.3 -0.9
fwAVG=1.90
sdW=724.1
fwW=1.84
sdS=937.6
fwS=1.96
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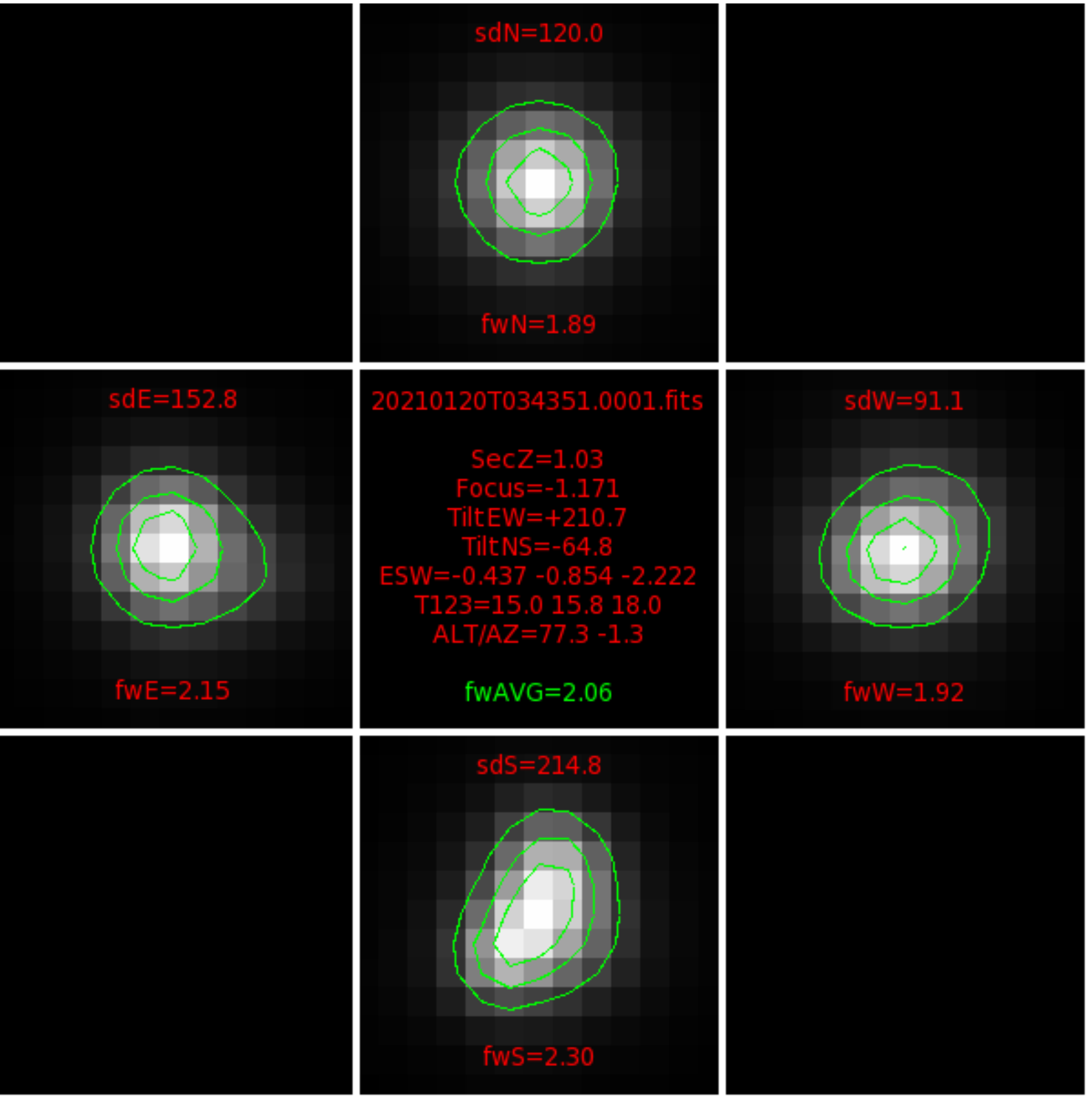
sdN=120.0
fwN=1.89
sdE=152.8
fwE=2.15
20210120T034351.0001.fits
SecZ=1.03
Focus=-1.171
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.437 -0.854 -2.222
T123=15.0 15.8 18.0
ALT/AZ=77.3 -1.3
fwAVG=2.06
sdW=91.1
fwW=1.92
sdS=214.8
fwS=2.30
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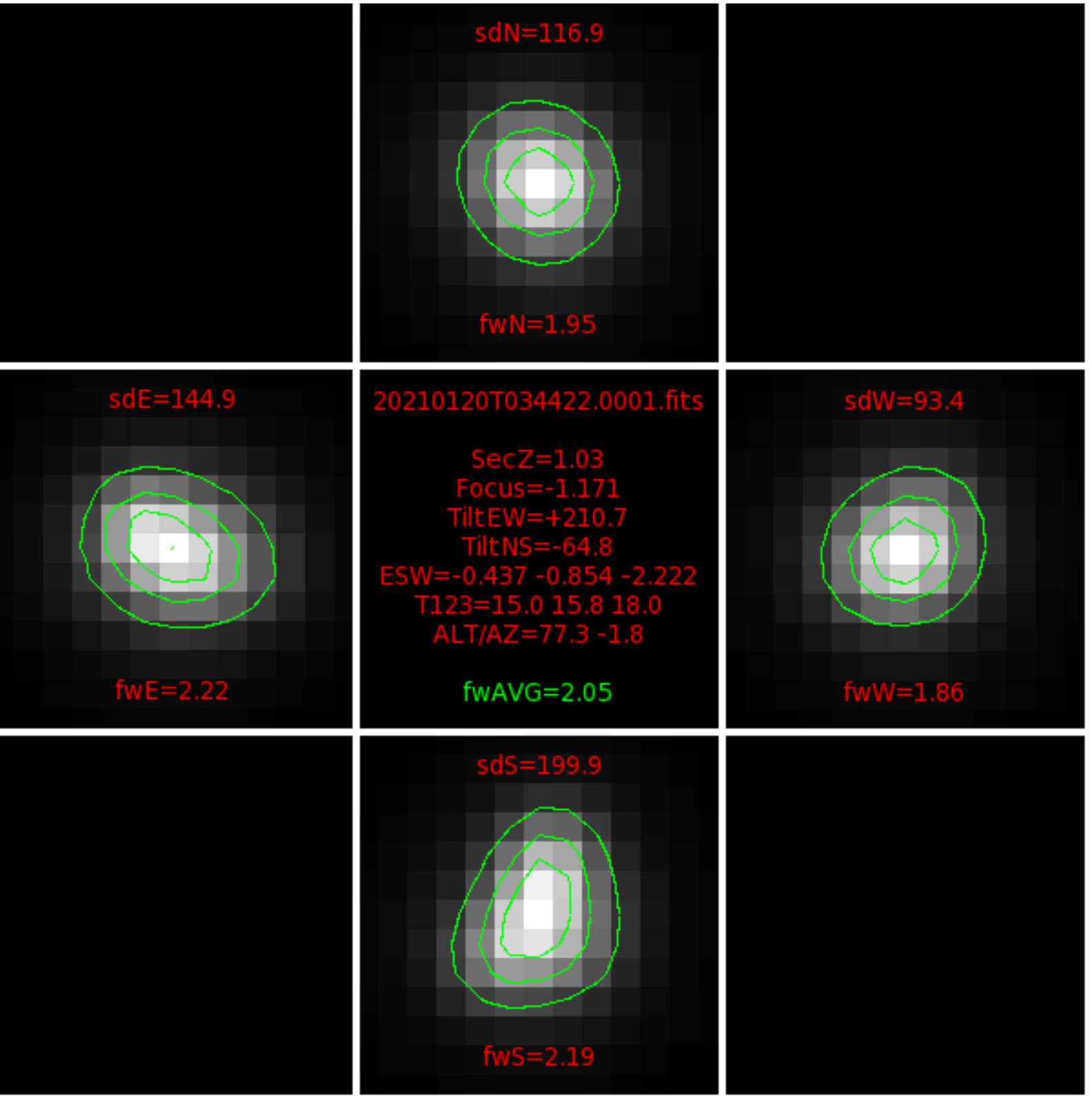
sdN=116.9
fwN=1.95
sdE=144.9
fwE=2.22
20210120T034422.0001.fits
SecZ=1.03
Focus=-1.171
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.437 -0.854 -2.222
T123=15.0 15.8 18.0
ALT/AZ=77.3 -1.8
fwAVG=2.05
sdW=93.4
fwW=1.86
sdS=199.9
fwS=2.19
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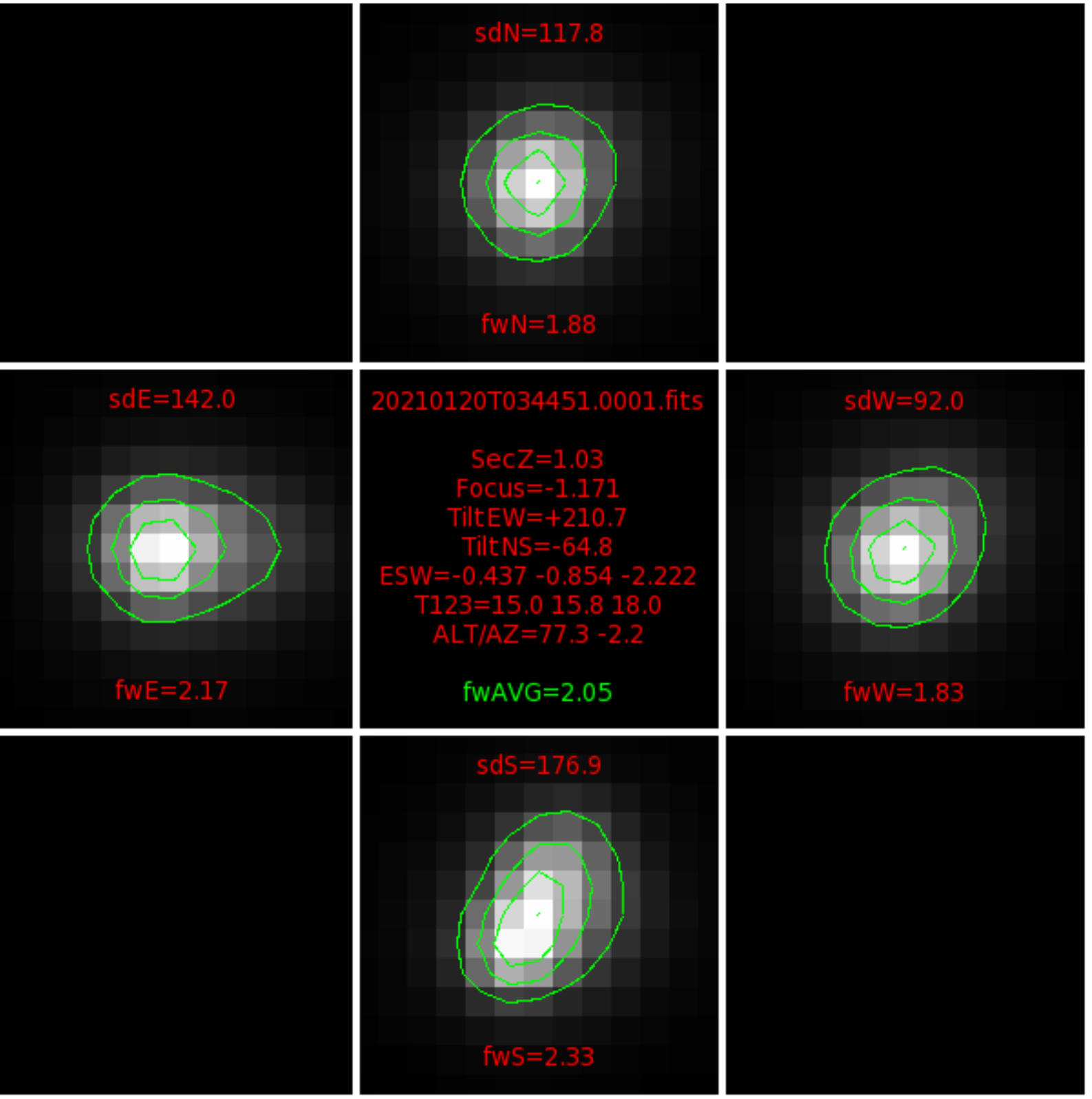
sdN=117.8
fwN=1.88
sdE=142.0
fwE=2.17
20210120T034451.0001.fits
SecZ=1.03
Focus=-1.171
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.437 -0.854 -2.222
T123=15.0 15.8 18.0
ALT/AZ=77.3 -2.2
fwAVG=2.05
sdW=92.0
fwW=1.83
sdS=176.9
fwS=2.33
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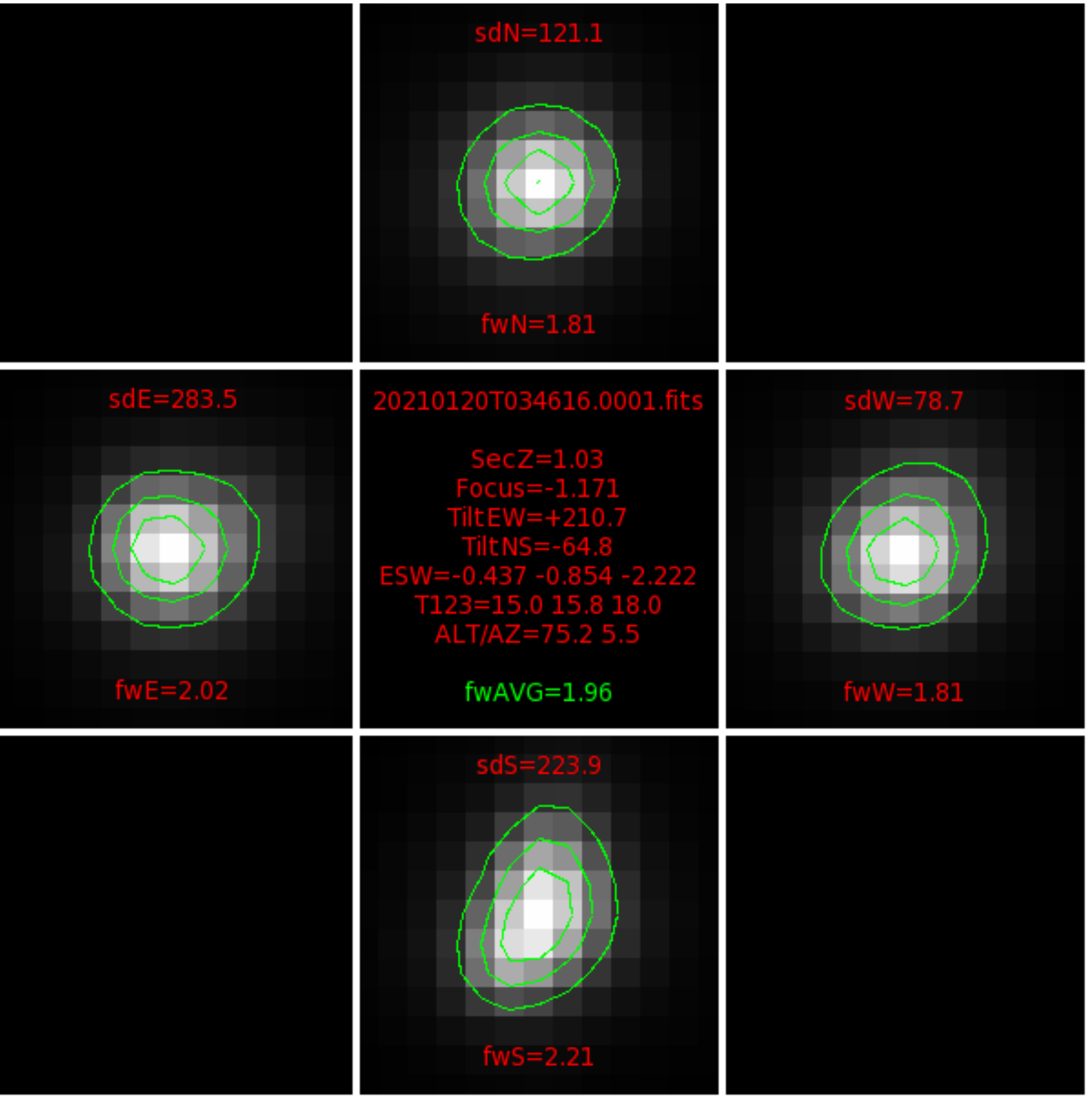
sdN=121.1
fwN=1.81
sdE=283.5
fwE=2.02
20210120T034616.0001.fits
SecZ=1.03
Focus=-1.171
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.437 -0.854 -2.222
T123=15.0 15.8 18.0
ALT/AZ=75.2 5.5
fwAVG=1.96
sdW=78.7
fwW=1.81
sdS=223.9
fwS=2.21
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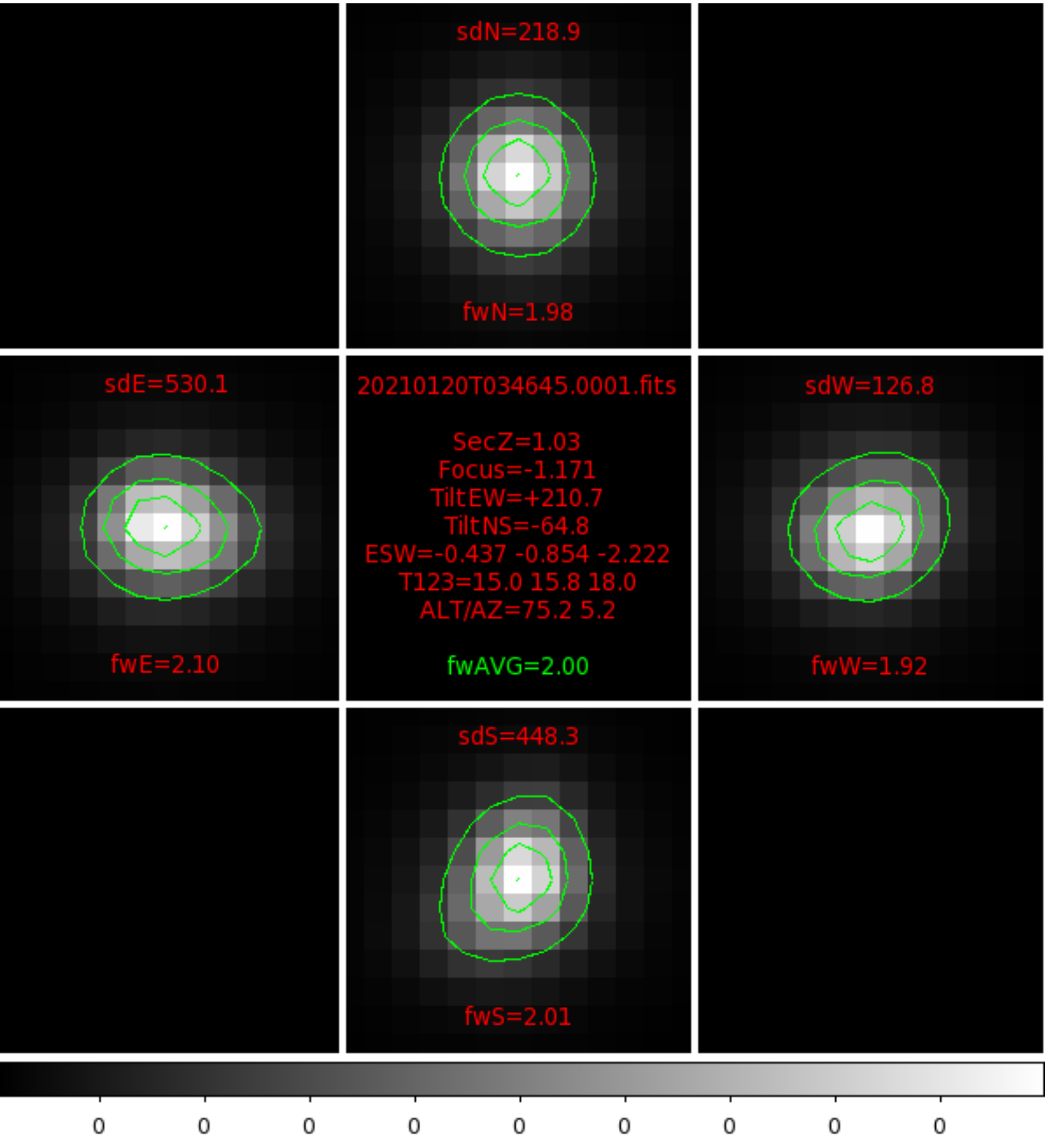
sdN=218.9
fwN=1.98
sdE=530.1
fwE=2.10
20210120T034645.0001.fits
SecZ=1.03
Focus=-1.171
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.437 -0.854 -2.222
T123=15.0 15.8 18.0
ALT/AZ=75.2 5.2
fwAVG=2.00
sdW=126.8
fwW=1.92
sdS=448.3
fwS=2.01
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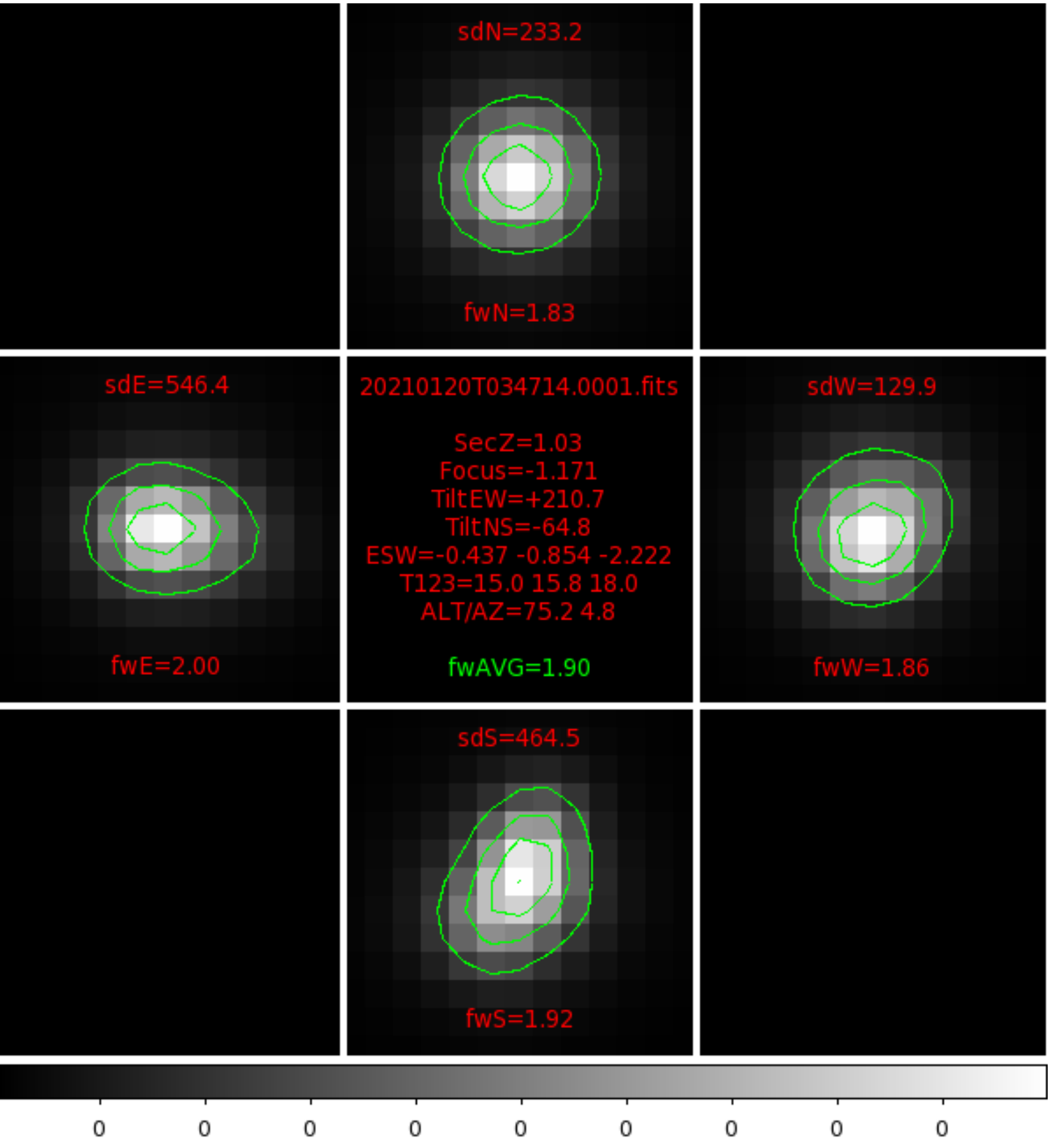
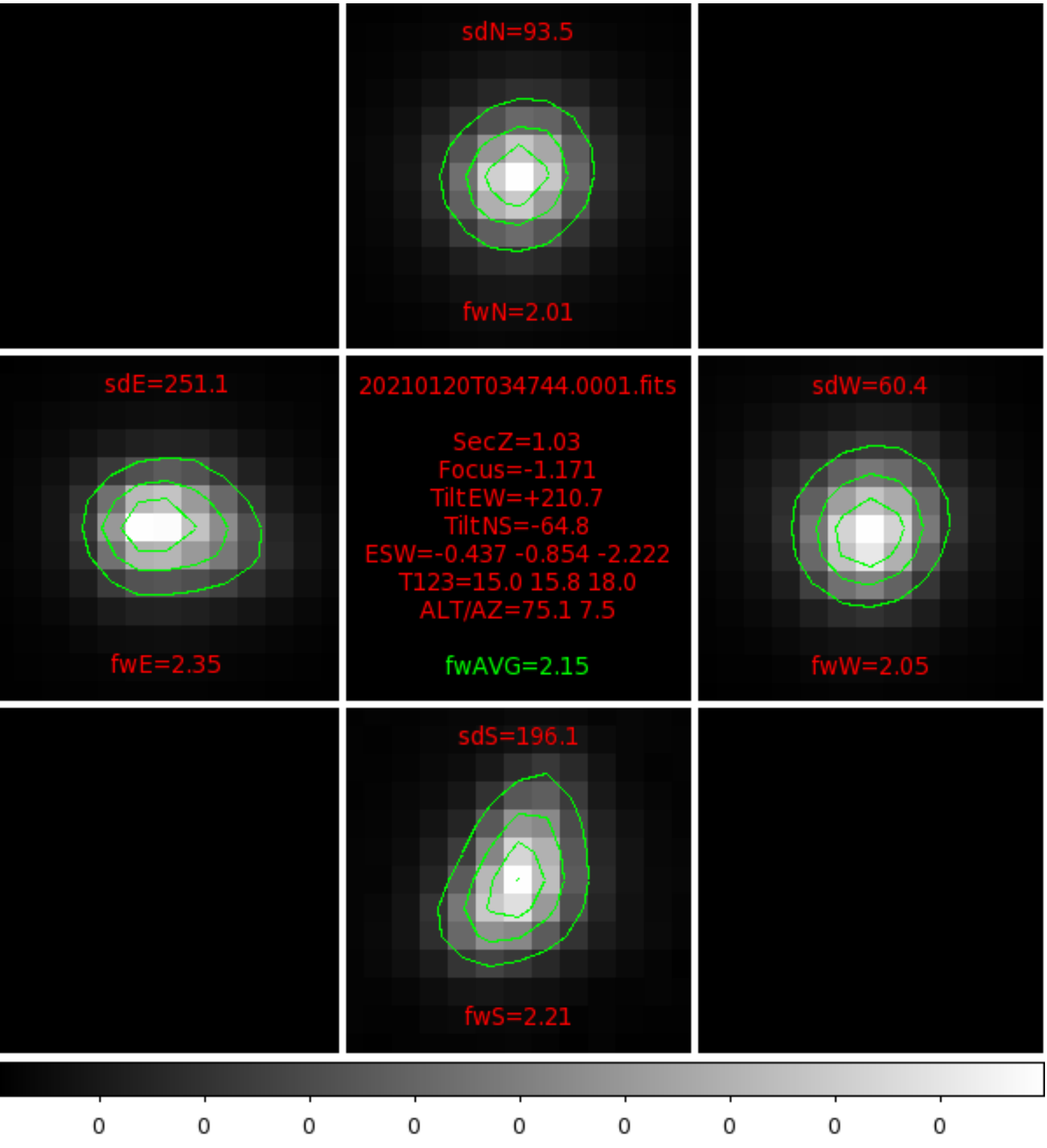

sdN=233.2
fwN=1.83
sdE=546.4
fwE=2.00
20210120T034714.0001.fits
SecZ=1.03
Focus=-1.171
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.437 -0.854 -2.222
T123=15.0 15.8 18.0
ALT/AZ=75.2 4.8
fwAVG=1.90
sdW=129.9
fwW=1.86
sdS=464.5
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=93.5
fwN=2.01
sdE=251.1
fwE=2.35
20210120T034744.0001.fits
SecZ=1.03
Focus=-1.171
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.437 -0.854 -2.222
T123=15.0 15.8 18.0
ALT/AZ=75.1 7.5
fwAVG=2.15
sdW=60.4
fwW=2.05
sdS=196.1
fwS=2.21
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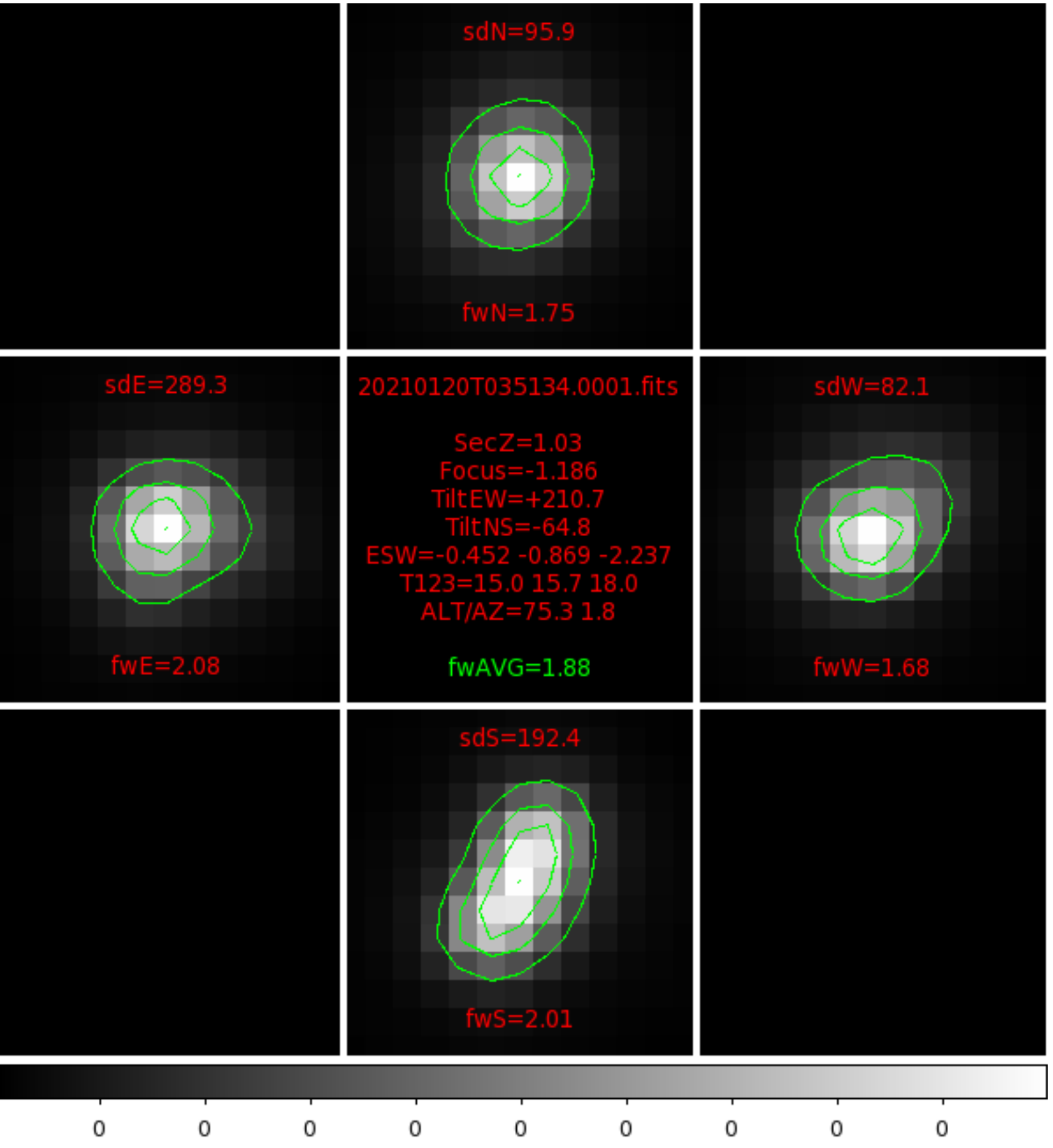
sdN=95.9
fwN=1.75
sdE=289.3
fwE=2.08
20210120T035134.0001.fits
SecZ=1.03
Focus=-1.186
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.452 -0.869 -2.237
T123=15.0 15.7 18.0
ALT/AZ=75.3 1.8
fwAVG=1.88
sdW=82.1
fwW=1.68
sdS=192.4
fwS=2.01
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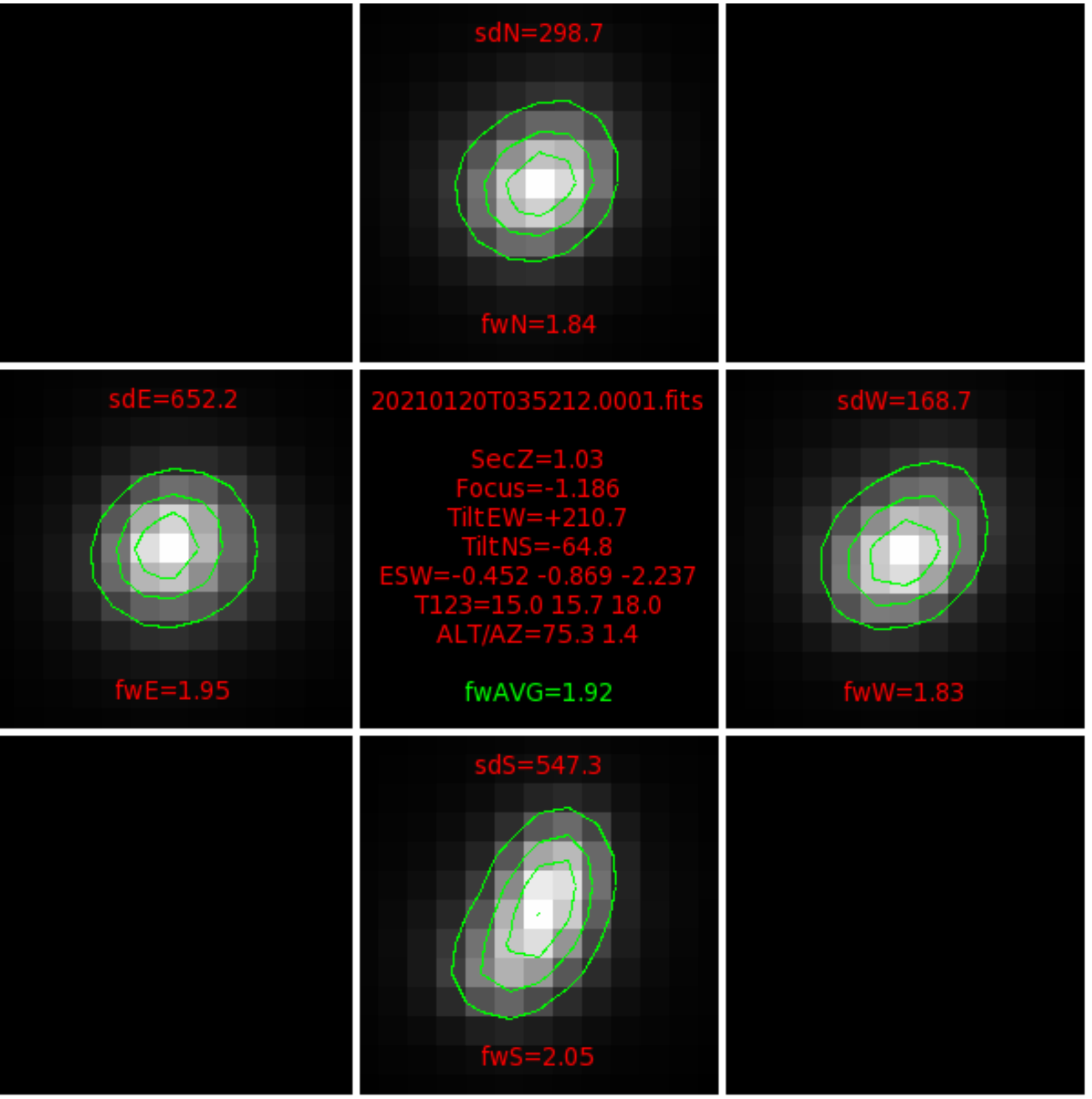
sdN=298.7
fwN=1.84
sdE=652.2
fwE=1.95
20210120T035212.0001.fits
SecZ=1.03
Focus=-1.186
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.452 -0.869 -2.237
T123=15.0 15.7 18.0
ALT/AZ=75.3 1.4
fwAVG=1.92
sdW=168.7
fwW=1.83
sdS=547.3
fwS=2.05
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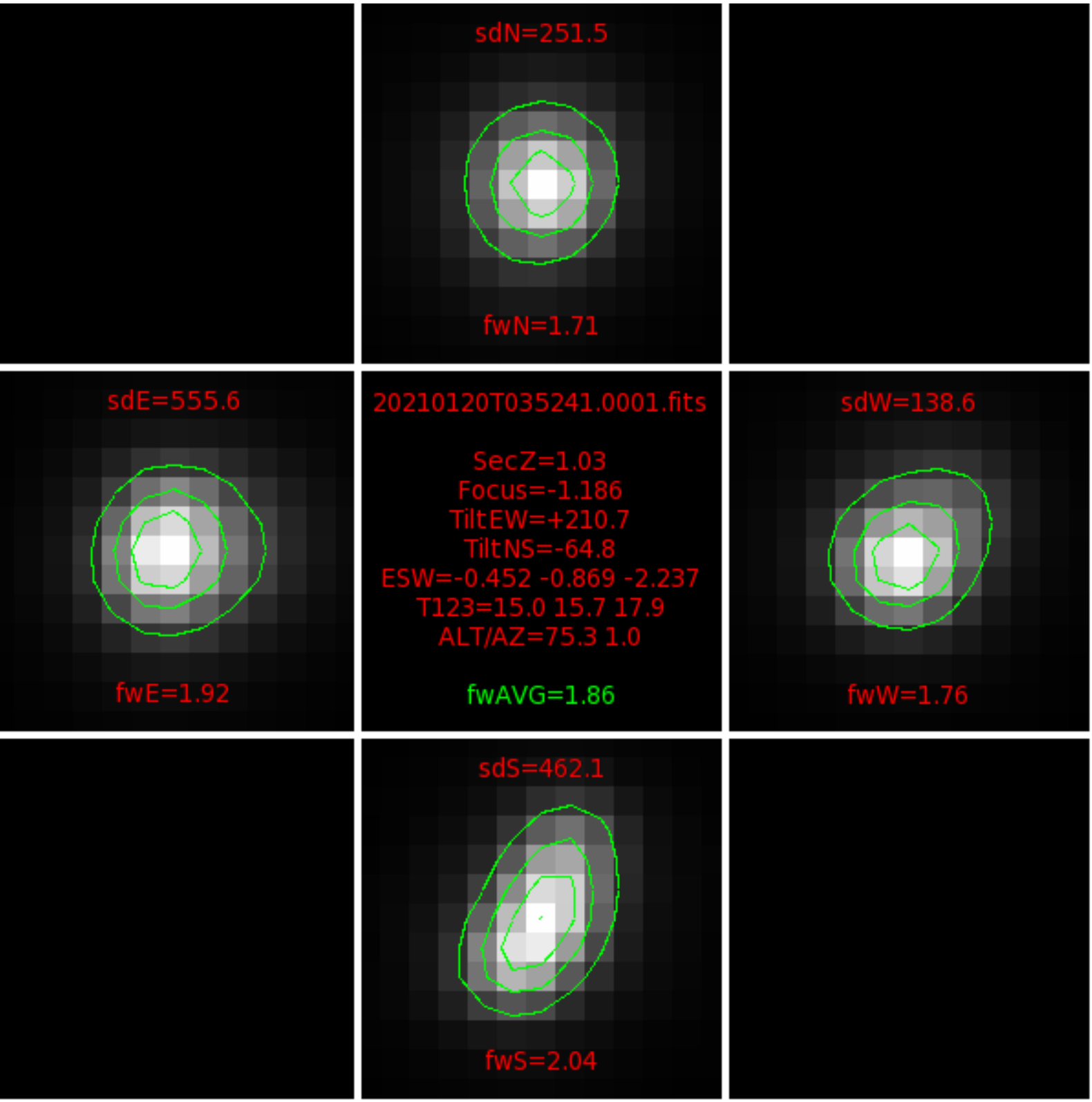
sdN=251.5
fwN=1.71
sdE=555.6
fwE=1.92
20210120T035241.0001.fits
SecZ=1.03
Focus=-1.186
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.452 -0.869 -2.237
T123=15.0 15.7 17.9
ALT/AZ=75.3 1.0
fwAVG=1.86
sdW=138.6
fwW=1.76
sdS=462.1
fwS=2.04
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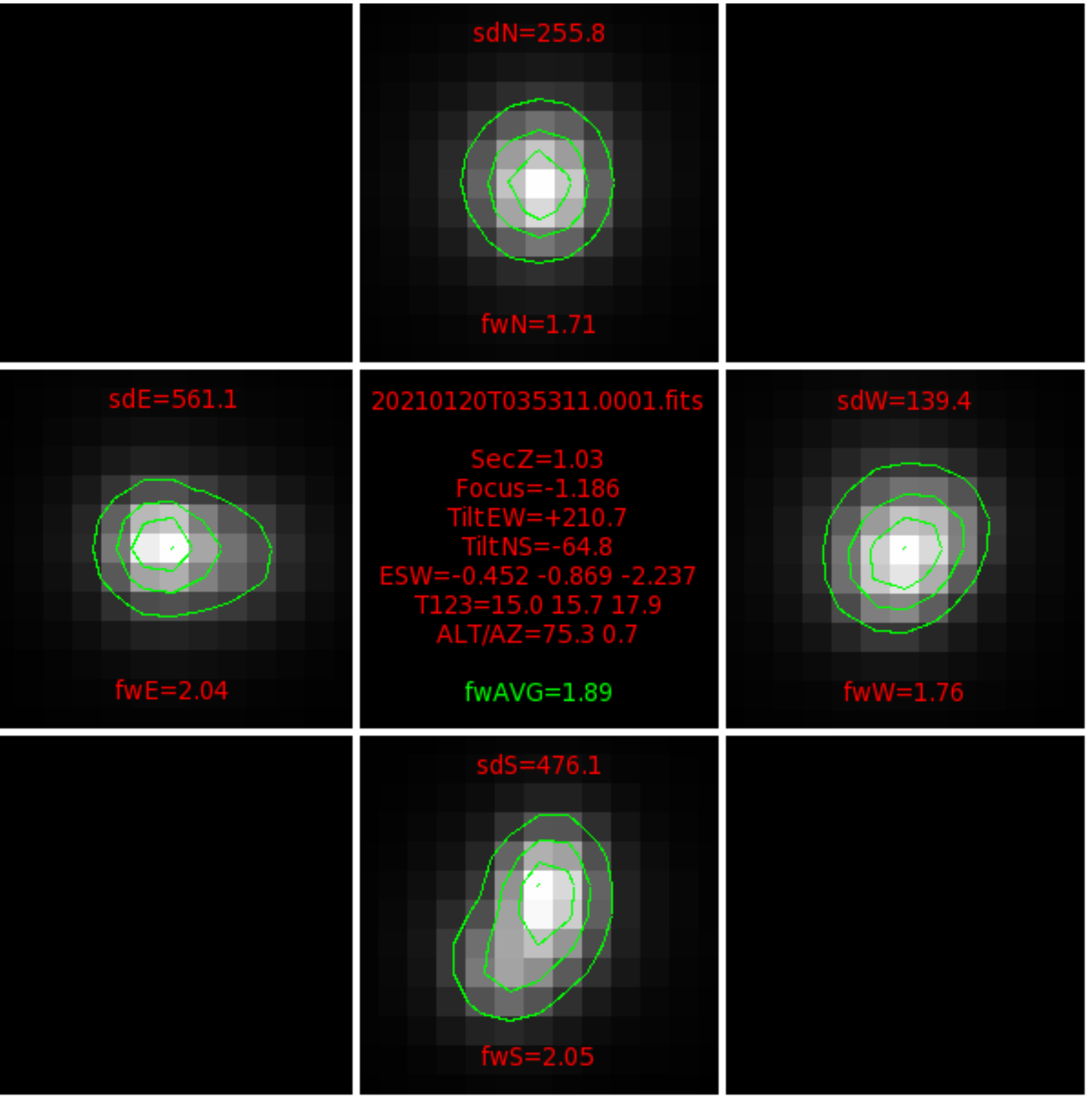
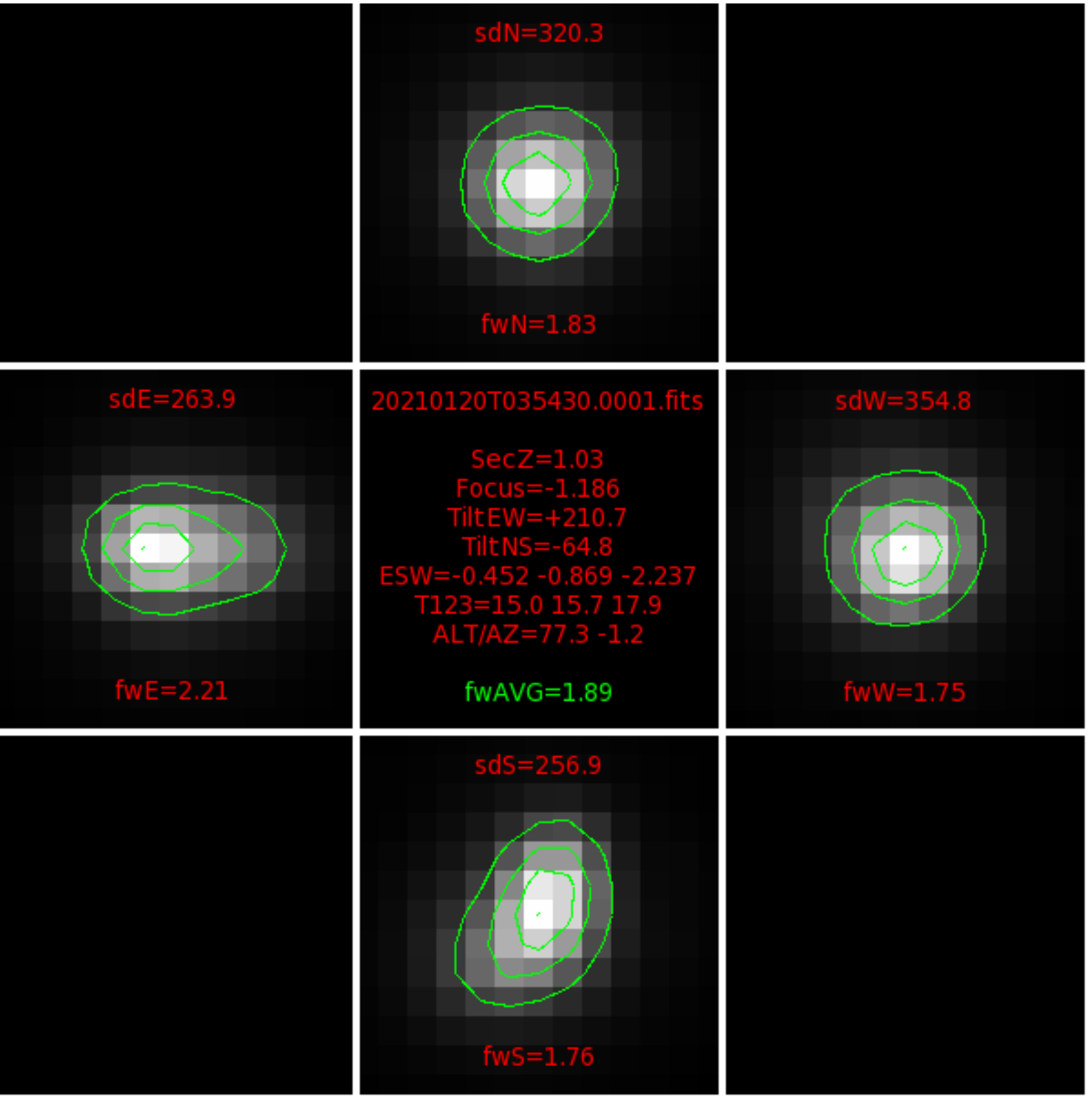

sdN=255.8
fwN=1.71
sdE=561.1
fwE=2.04
20210120T035311.0001.fits
SecZ=1.03
Focus=-1.186
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.452 -0.869 -2.237
T123=15.0 15.7 17.9
ALT/AZ=75.3 0.7
fwAVG=1.89
sdW=139.4
fwW=1.76
sdS=476.1
fwS=2.05
0 0 0 0 0 0 0 0 0


sdN=320.3
fwN=1.83
sdE=263.9
fwE=2.21
20210120T035430.0001.fits
SecZ=1.03
Focus=-1.186
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.452 -0.869 -2.237
T123=15.0 15.7 17.9
ALT/AZ=77.3 -1.2
fwAVG=1.89
sdW=354.8
fwW=1.75
sdS=256.9
fwS=1.76
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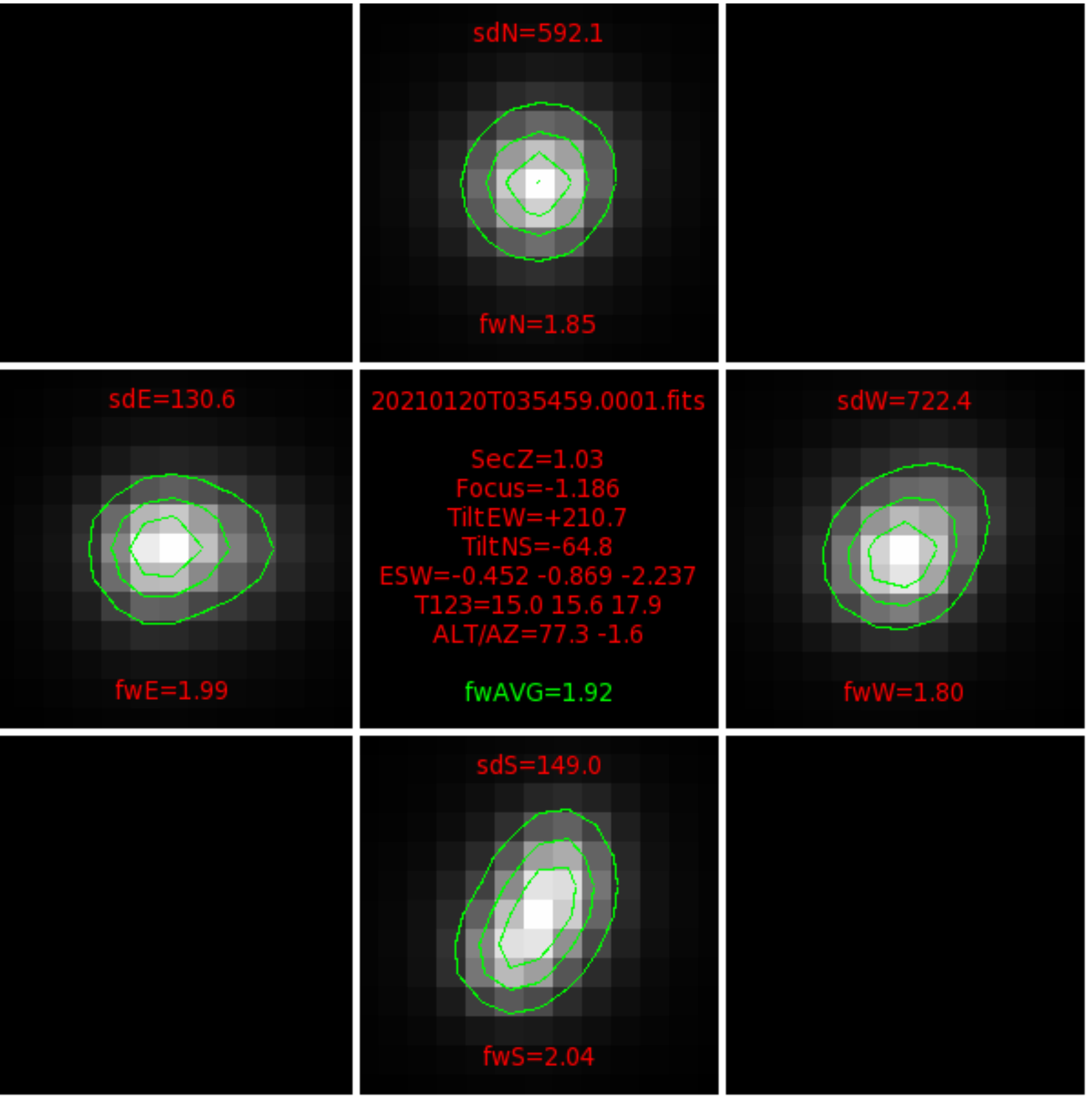
sdN=592.1
fwN=1.85
sdE=130.6
fwE=1.99
20210120T035459.0001.fits
SecZ=1.03
Focus=-1.186
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.452 -0.869 -2.237
T123=15.0 15.6 17.9
ALT/AZ=77.3 -1.6
fwAVG=1.92
sdW=722.4
fwW=1.80
sdS=149.0
fwS=2.04
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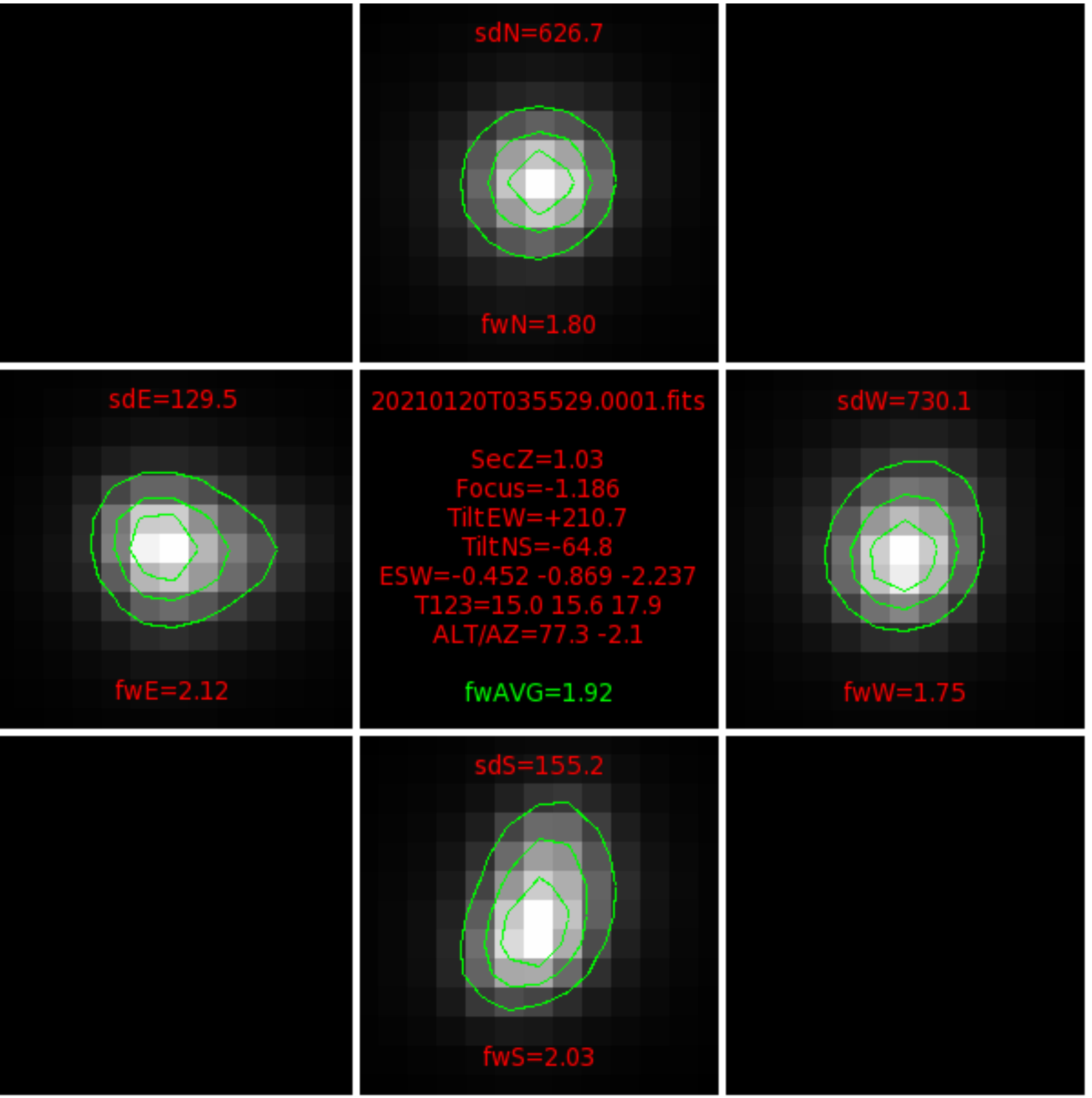
sdN=626.7
fwN=1.80
sdE=129.5
fwE=2.12
20210120T035529.0001.fits
SecZ=1.03
Focus=-1.186
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.452 -0.869 -2.237
T123=15.0 15.6 17.9
ALT/AZ=77.3 -2.1
fwAVG=1.92
sdW=730.1
fwW=1.75
sdS=155.2
fwS=2.03
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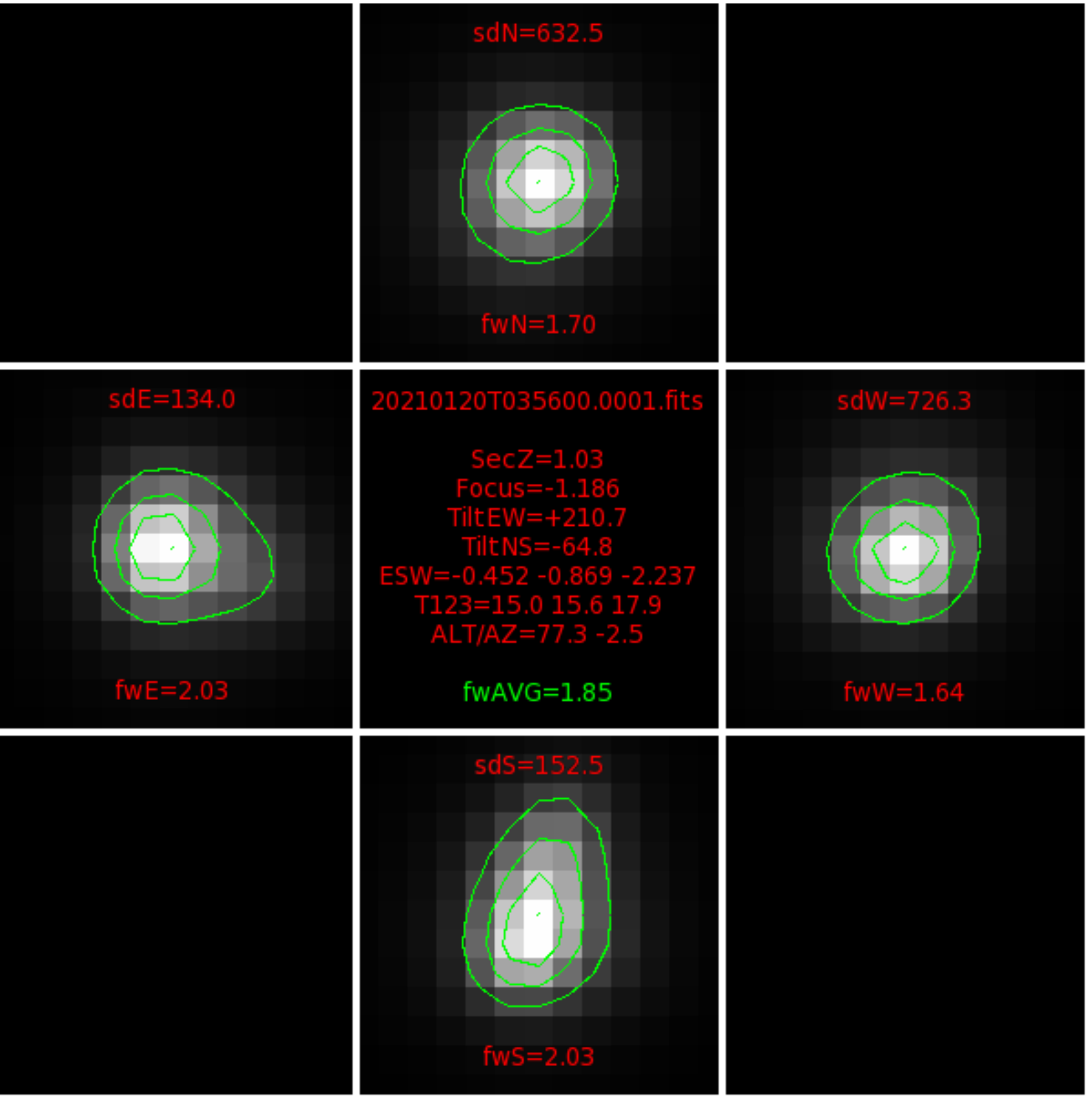
sdN=632.5
fwN=1.70
sdE=134.0
fwE=2.03
20210120T035600.0001.fits
SecZ=1.03
Focus=-1.186
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.452 -0.869 -2.237
T123=15.0 15.6 17.9
ALT/AZ=77.3 -2.5
fwAVG=1.85
sdW=726.3
fwW=1.64
sdS=152.5
fwS=2.03
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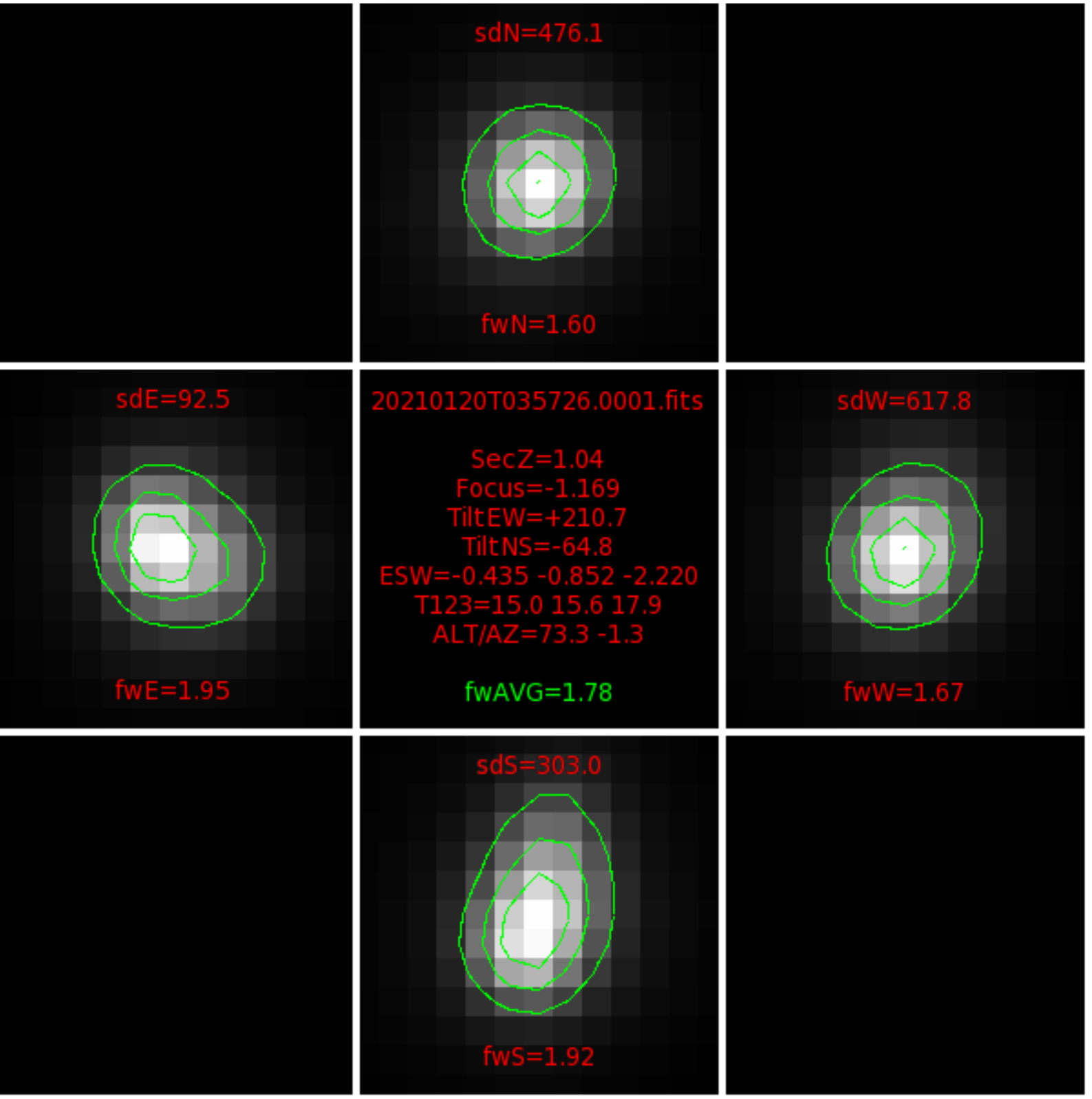
sdN=476.1
fwN=1.60
sdE=92.5
fwE=1.95
20210120T035726.0001.fits
SecZ=1.04
Focus=-1.169
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.435 -0.852 -2.220
T123=15.0 15.6 17.9
ALT/AZ=73.3 -1.3
fwAVG=1.78
sdW=617.8
fwW=1.67
sdS=303.0
fwS=1.92
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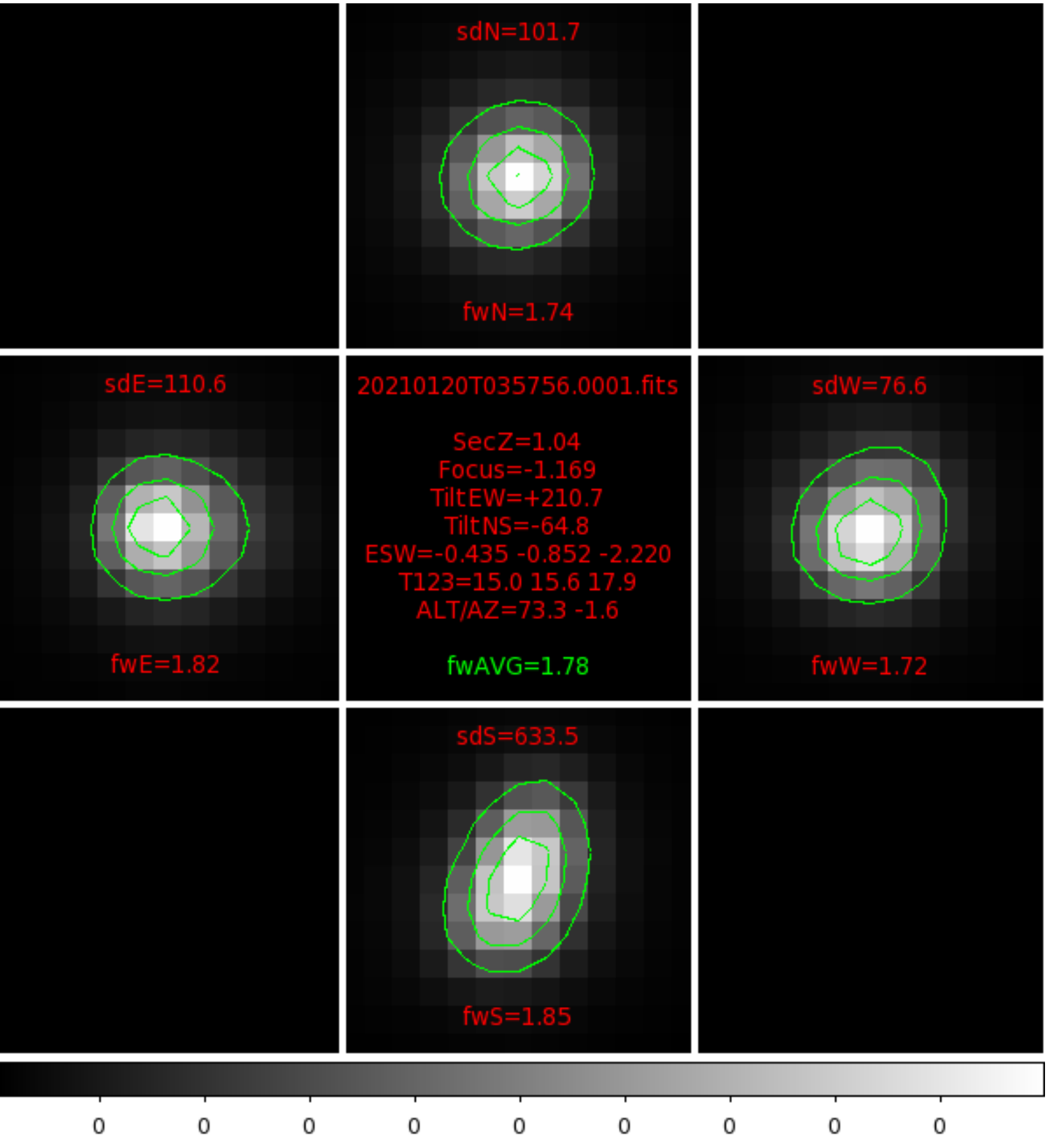
sdN=101.7
fwN=1.74
sdE=110.6
fwE=1.82
20210120T035756.0001.fits
SecZ=1.04
Focus=-1.169
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.435 -0.852 -2.220
T123=15.0 15.6 17.9
ALT/AZ=73.3 -1.6
fwAVG=1.78
sdW=76.6
fwW=1.72
sdS=633.5
fwS=1.85
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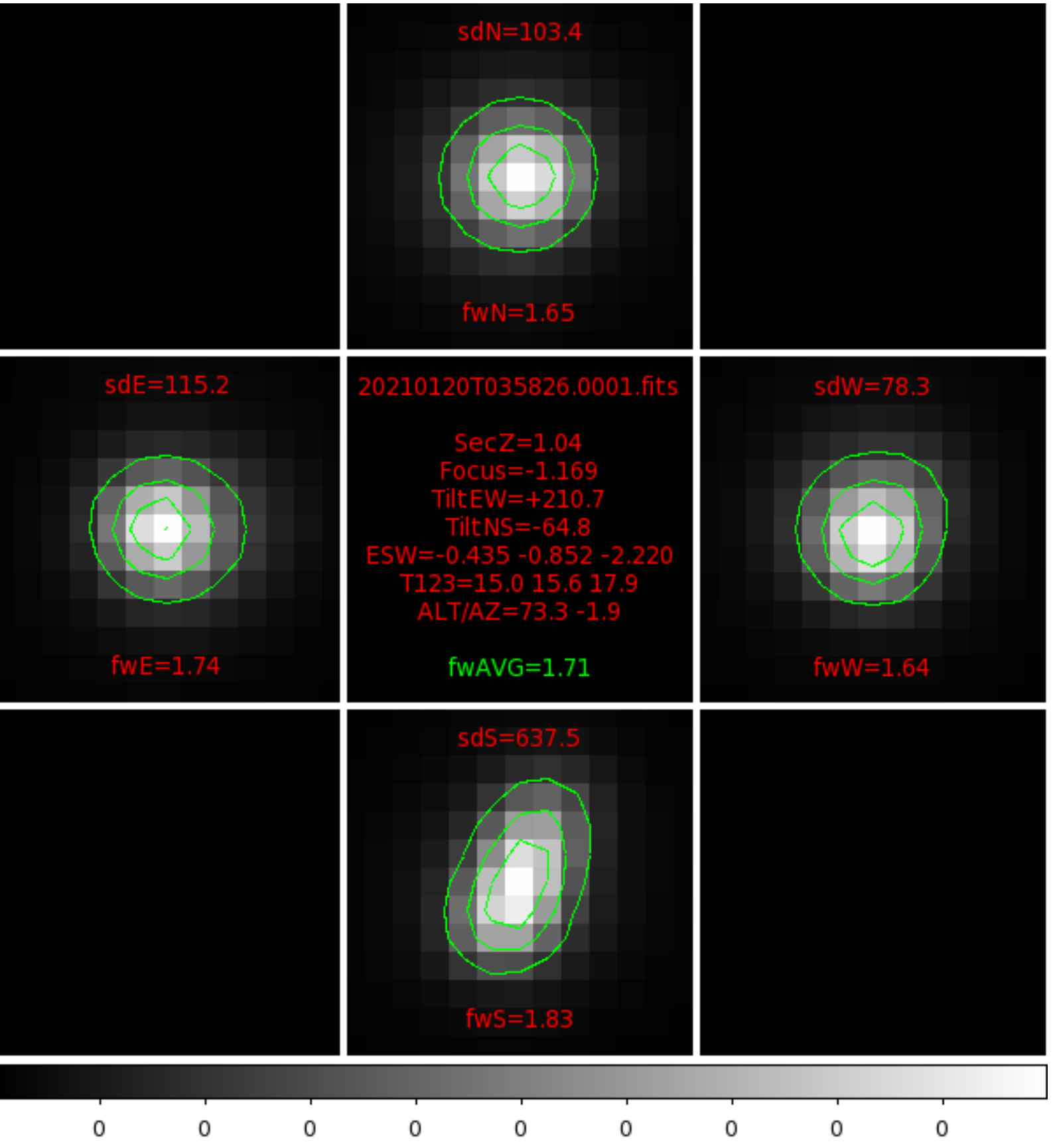
sdN=103.4
fwN=1.65
sdE=115.2
fwE=1.74
20210120T035826.0001.fits
SecZ=1.04
Focus=-1.169
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.435 -0.852 -2.220
T123=15.0 15.6 17.9
ALT/AZ=73.3 -1.9
fwAVG=1.71
sdW=78.3
fwW=1.64
sdS=637.5
fwS=1.83
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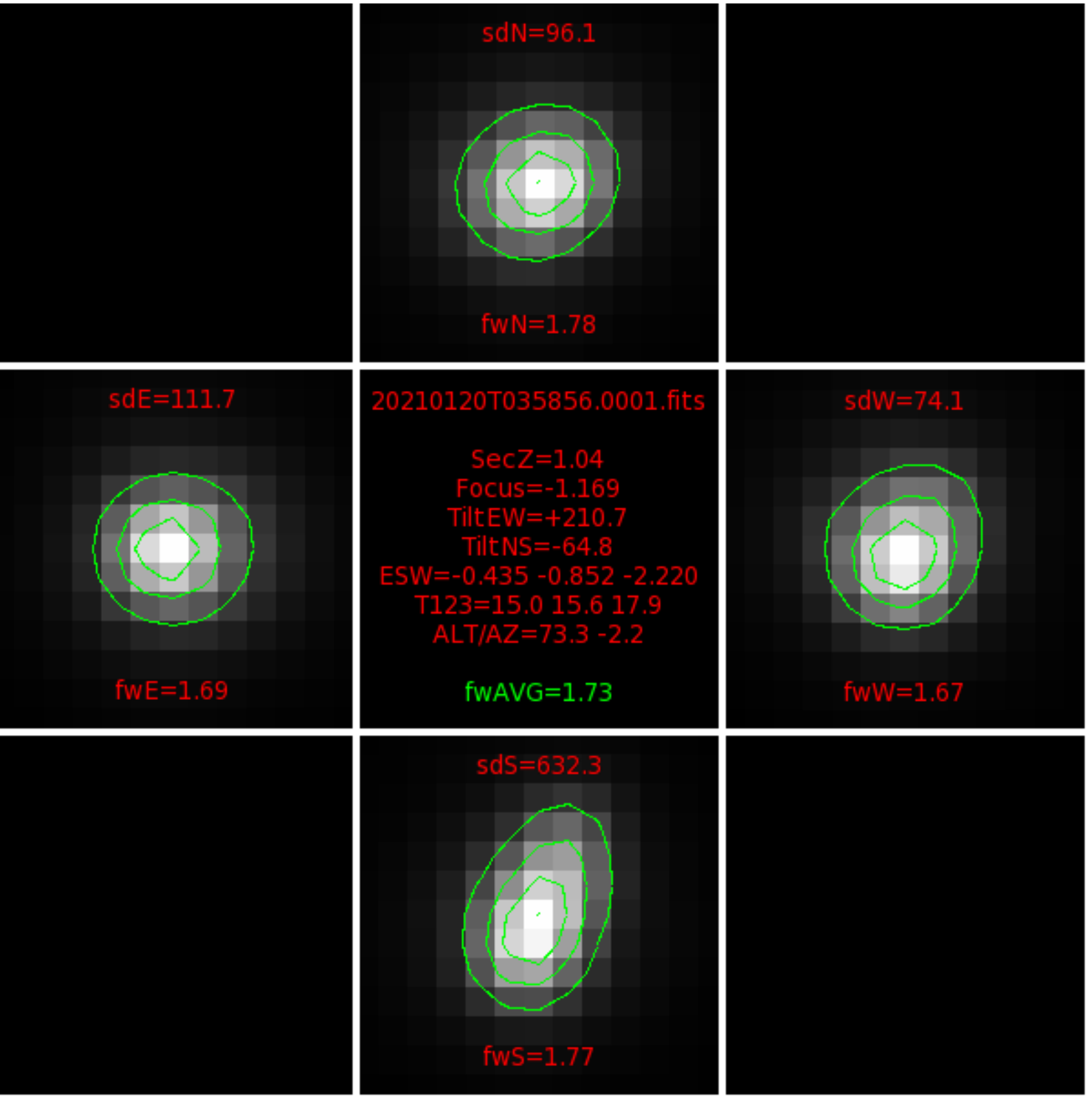
sdN=96.1
fwN=1.78
sdE=111.7
fwE=1.69
20210120T035856.0001.fits
SecZ=1.04
Focus=-1.169
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.435 -0.852 -2.220
T123=15.0 15.6 17.9
ALT/AZ=73.3 -2.2
fwAVG=1.73
sdW=74.1
fwW=1.67
sdS=632.3
fwS=1.77
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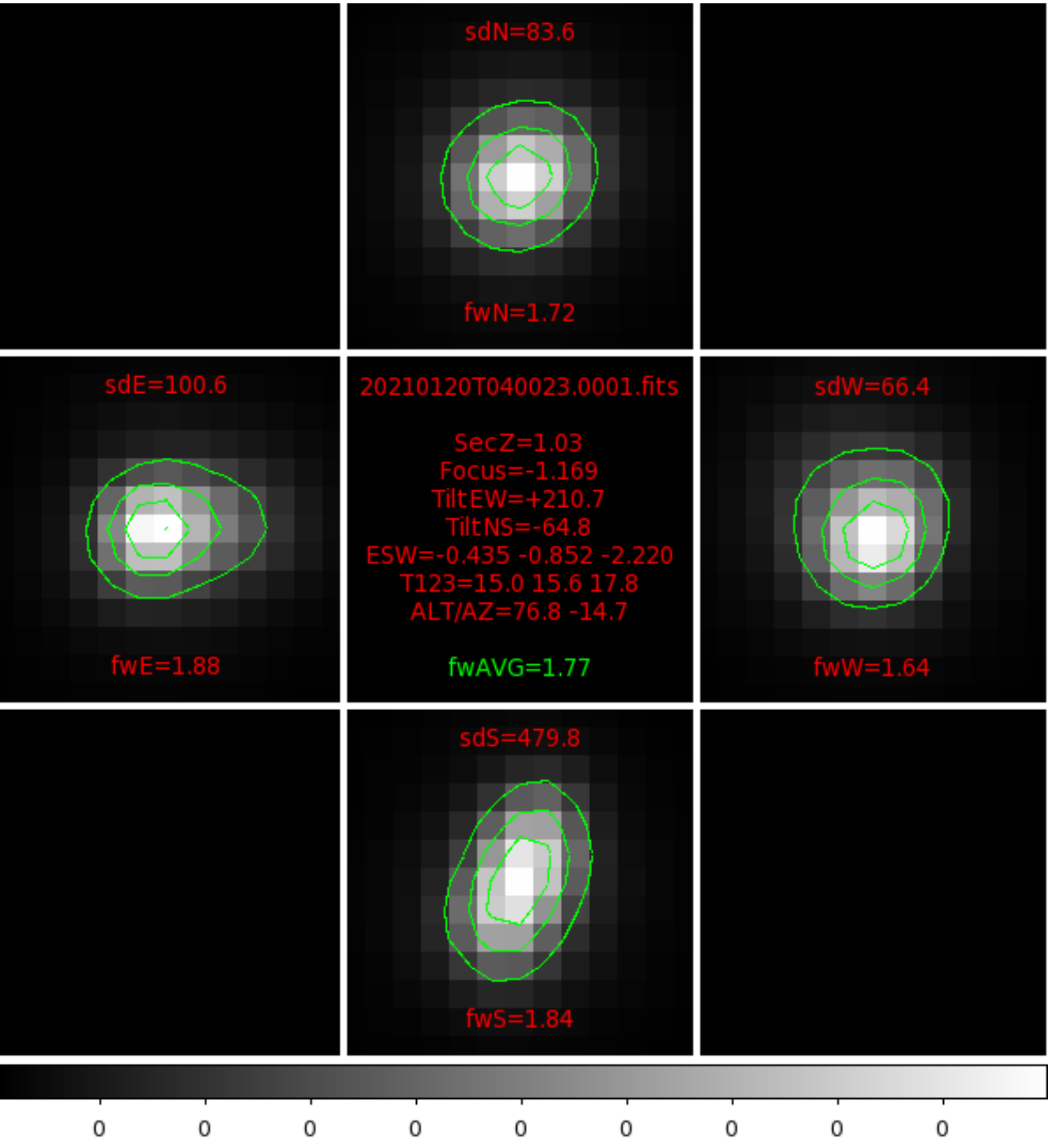
sdN=83.6
fwN=1.72
sdE=100.6
fwE=1.88
20210120T040023.0001.fits
SecZ=1.03
Focus=-1.169
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.435 -0.852 -2.220
T123=15.0 15.6 17.8
ALT/AZ=76.8 -14.7
fwAVG=1.77
sdW=66.4
fwW=1.64
sdS=479.8
fwS=1.84
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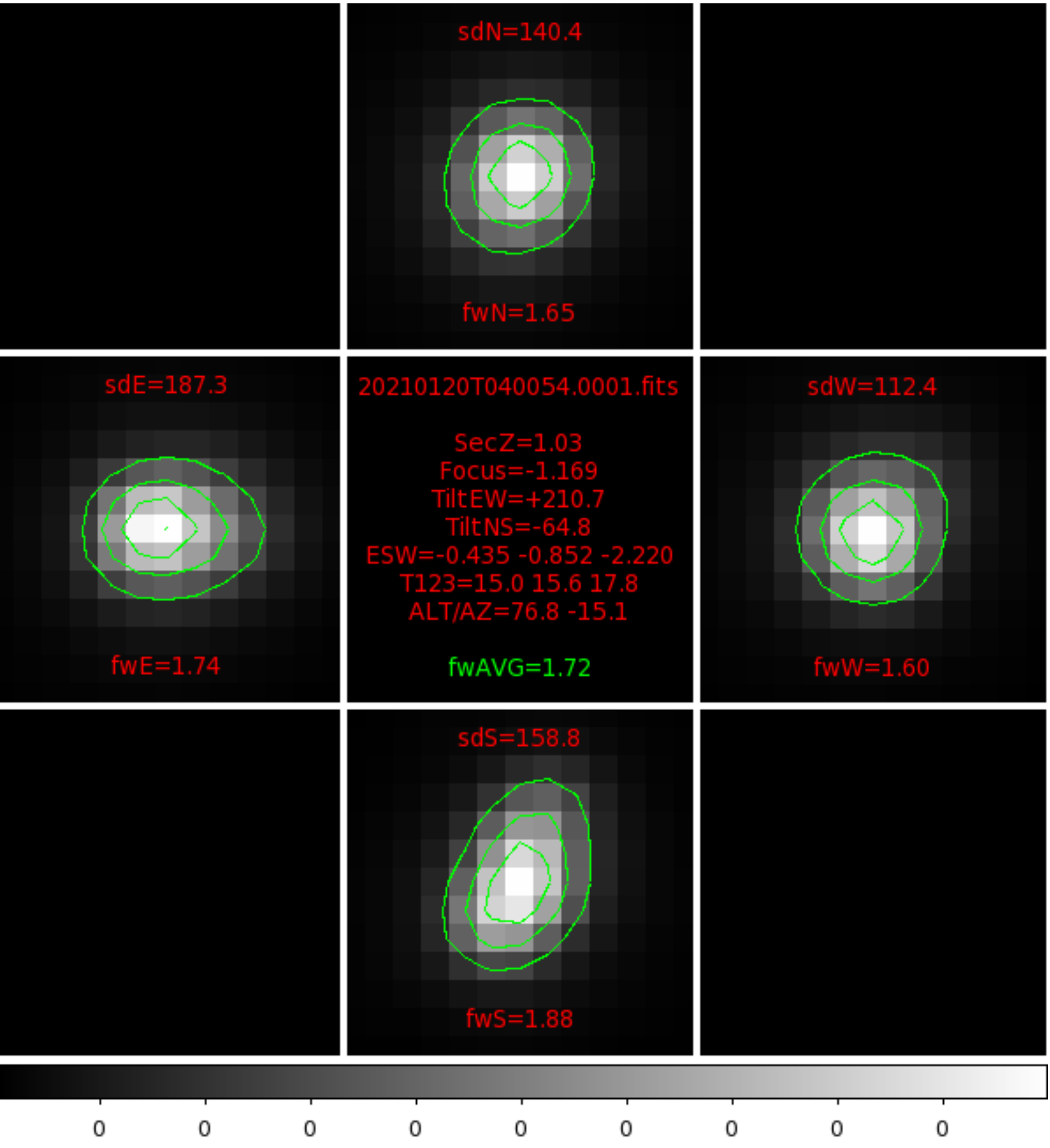
sdN=140.4
fwN=1.65
sdE=187.3
fwE=1.74
20210120T040054.0001.fits
SecZ=1.03
Focus=-1.169
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.435 -0.852 -2.220
T123=15.0 15.6 17.8
ALT/AZ=76.8 -15.1
fwAVG=1.72
sdW=112.4
fwW=1.60
sdS=158.8
fwS=1.88
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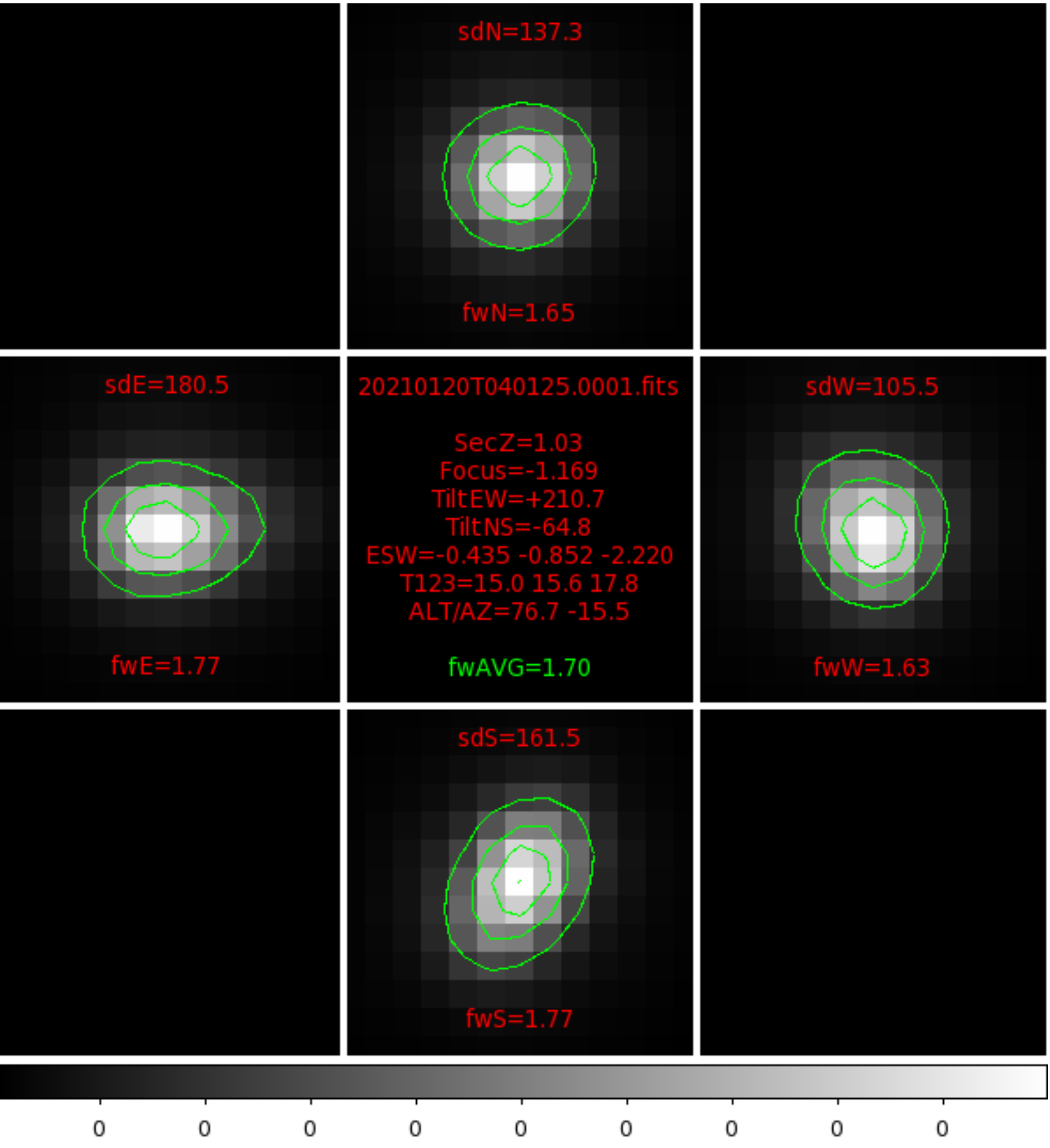
sdN=137.3
fwN=1.65
sdE=180.5
fwE=1.77
20210120T040125.0001.fits
SecZ=1.03
Focus=-1.169
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.435 -0.852 -2.220
T123=15.0 15.6 17.8
ALT/AZ=76.7 -15.5
fwAVG=1.70
sdW=105.5
fwW=1.63
sdS=161.5
fwS=1.77
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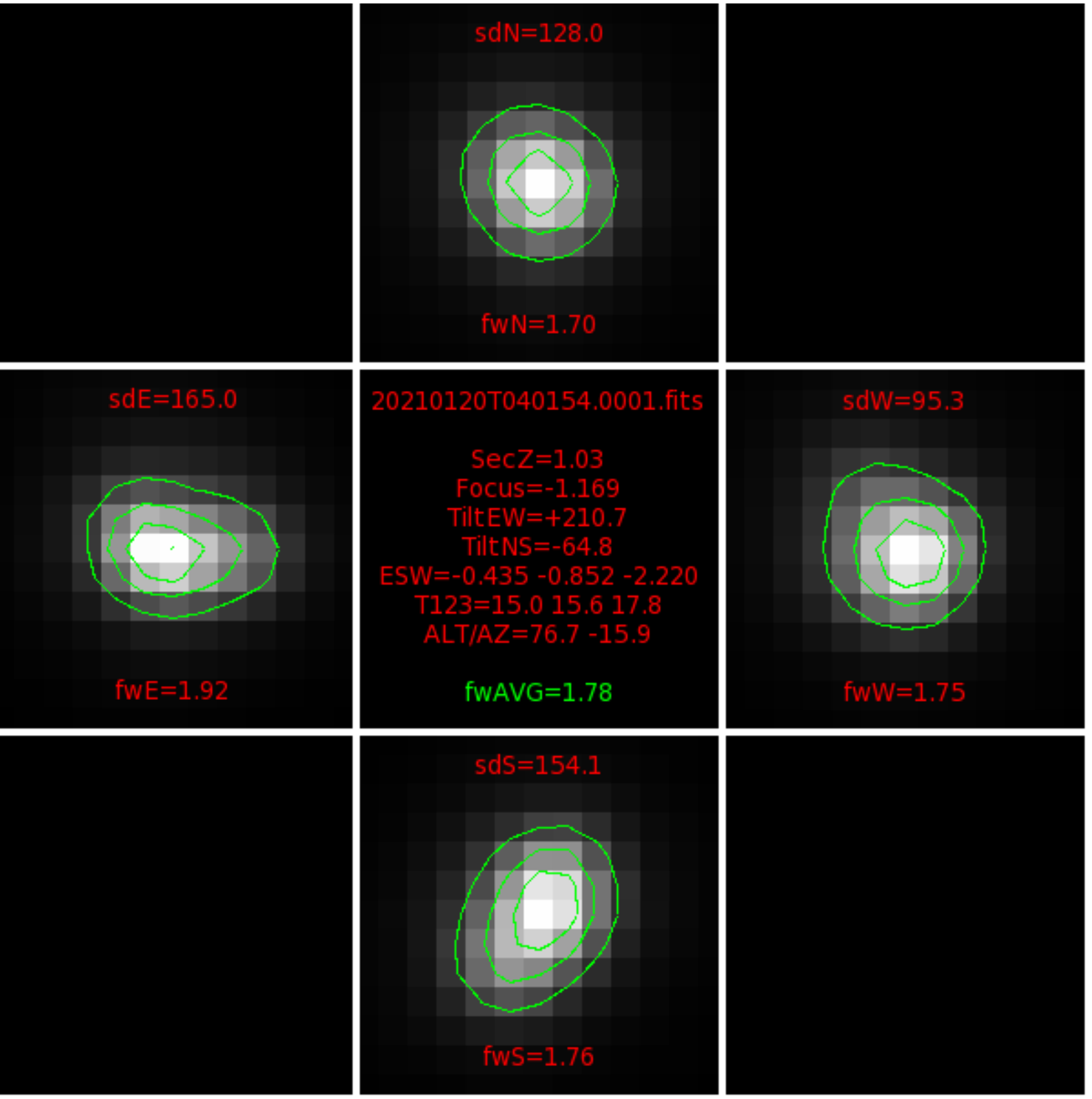
sdN=128.0
fwN=1.70
sdE=165.0
fwE=1.92
20210120T040154.0001.fits
SecZ=1.03
Focus=-1.169
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.435 -0.852 -2.220
T123=15.0 15.6 17.8
ALT/AZ=76.7 -15.9
fwAVG=1.78
sdW=95.3
fwW=1.75
sdS=154.1
fwS=1.76
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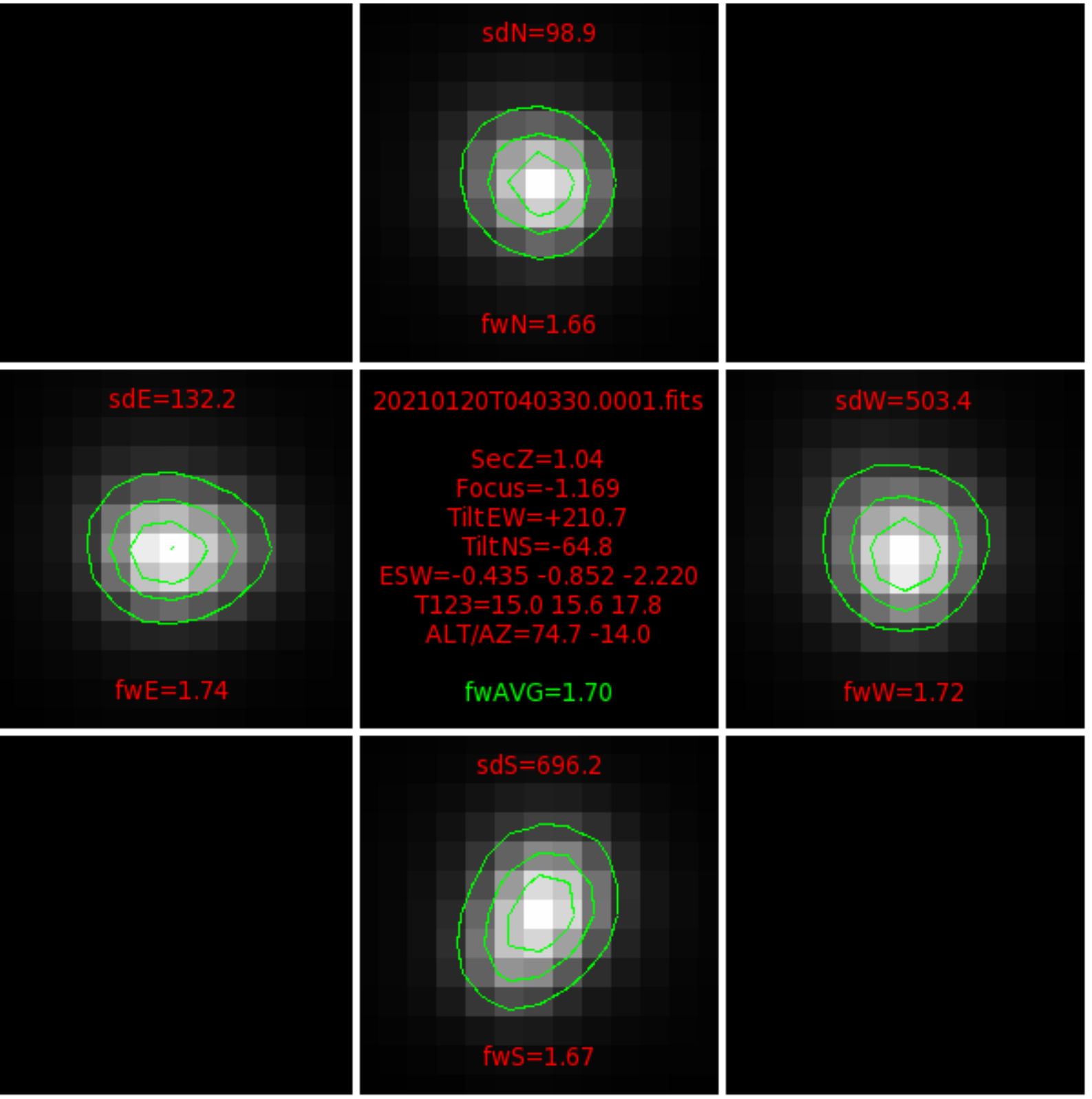
sdN=98.9
fwN=1.66
sdE=132.2
fwE=1.74
20210120T040330.0001.fits
SecZ=1.04
Focus=-1.169
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.435 -0.852 -2.220
T123=15.0 15.6 17.8
ALT/AZ=74.7 -14.0
fwAVG=1.70
sdW=503.4
fwW=1.72
sdS=696.2
fwS=1.67
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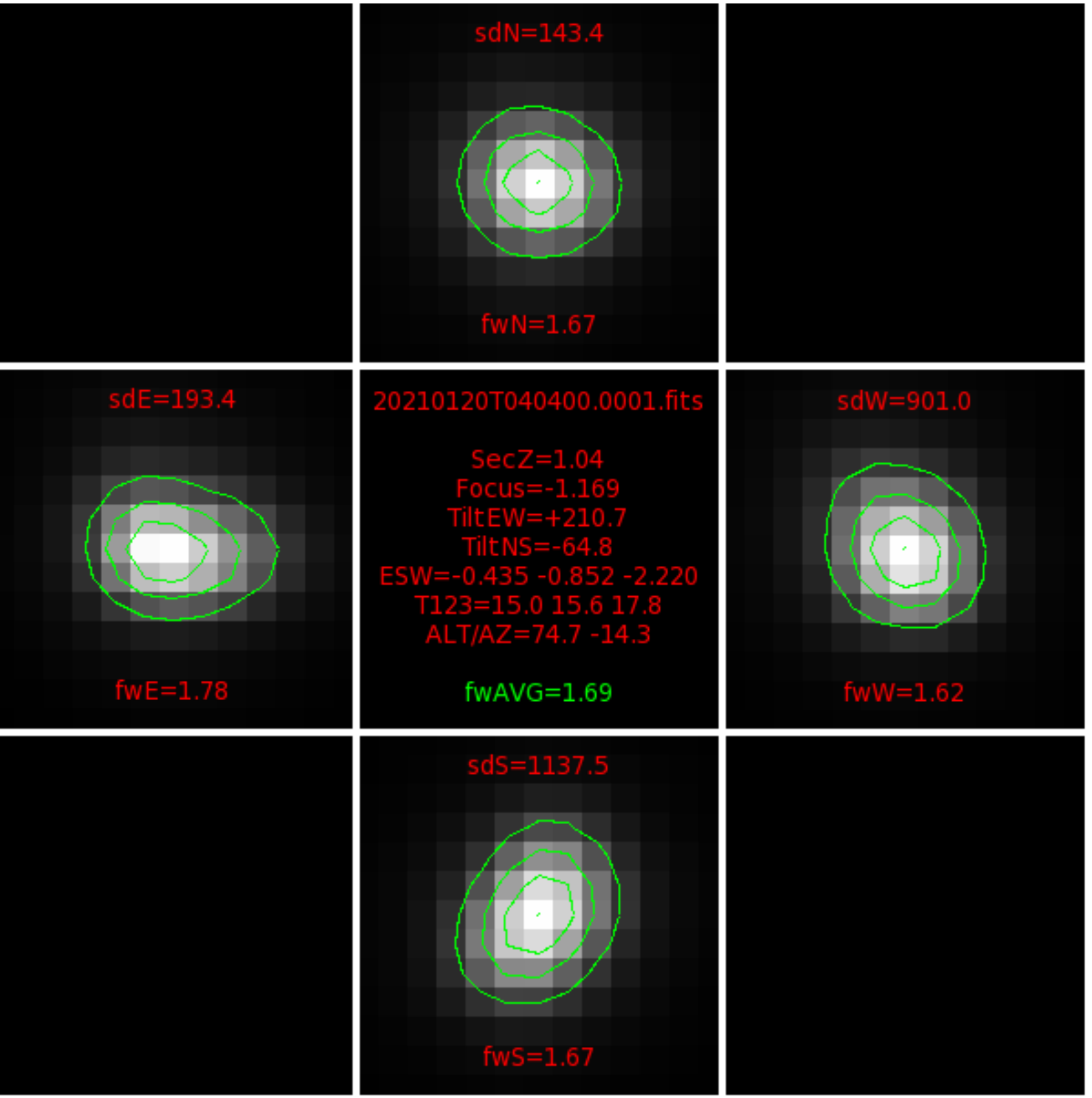
sdN=143.4
fwN=1.67
sdE=193.4
fwE=1.78
20210120T040400.0001.fits
SecZ=1.04
Focus=-1.169
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.435 -0.852 -2.220
T123=15.0 15.6 17.8
ALT/AZ=74.7 -14.3
fwAVG=1.69
sdW=901.0
fwW=1.62
sdS=1137.5
fwS=1.67
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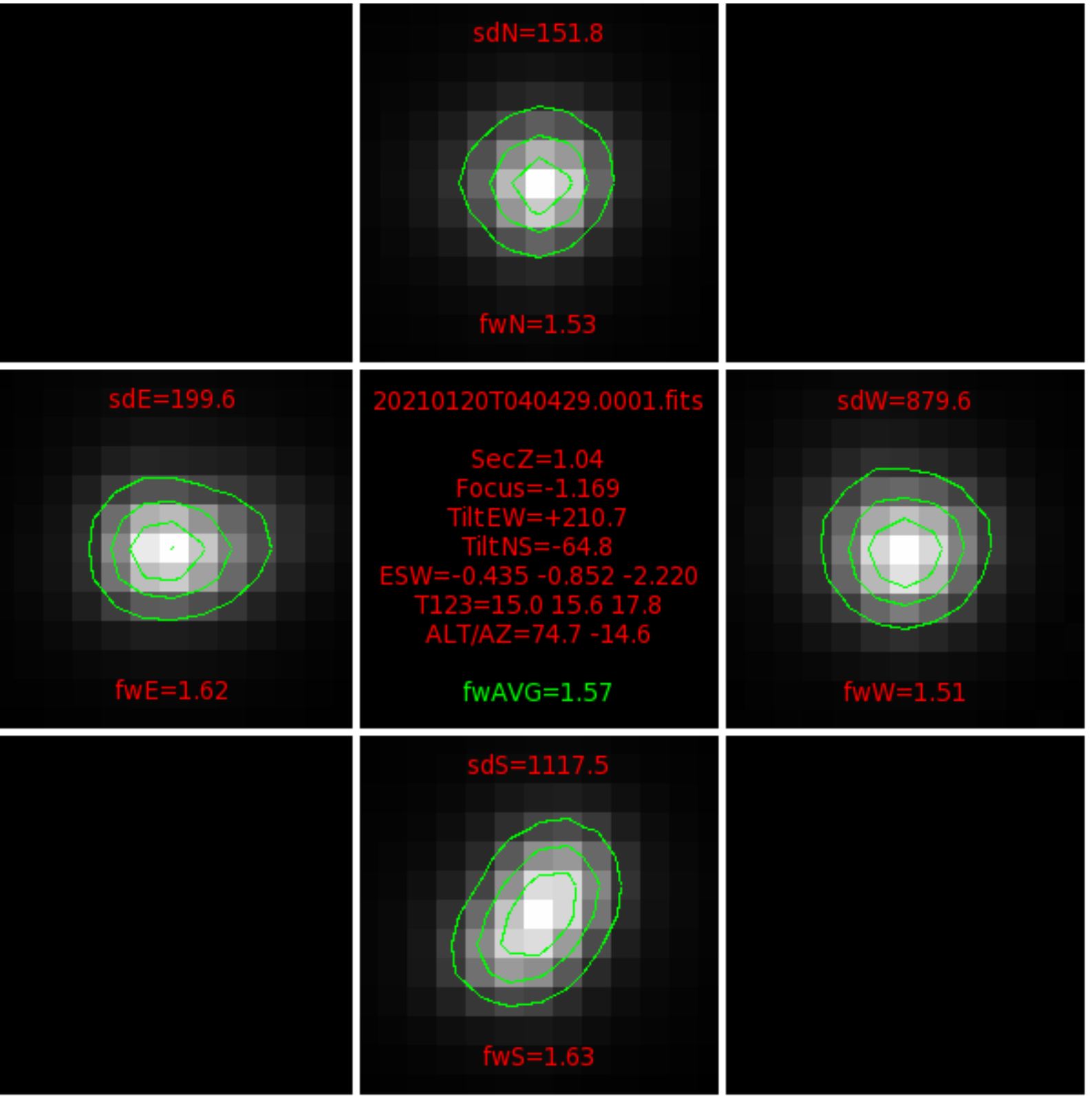
sdN=151.8
fwN=1.53
sdE=199.6
fwE=1.62
20210120T040429.0001.fits
SecZ=1.04
Focus=-1.169
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.435 -0.852 -2.220
T123=15.0 15.6 17.8
ALT/AZ=74.7 -14.6
fwAVG=1.57
sdW=879.6
fwW=1.51
sdS=1117.5
fwS=1.63
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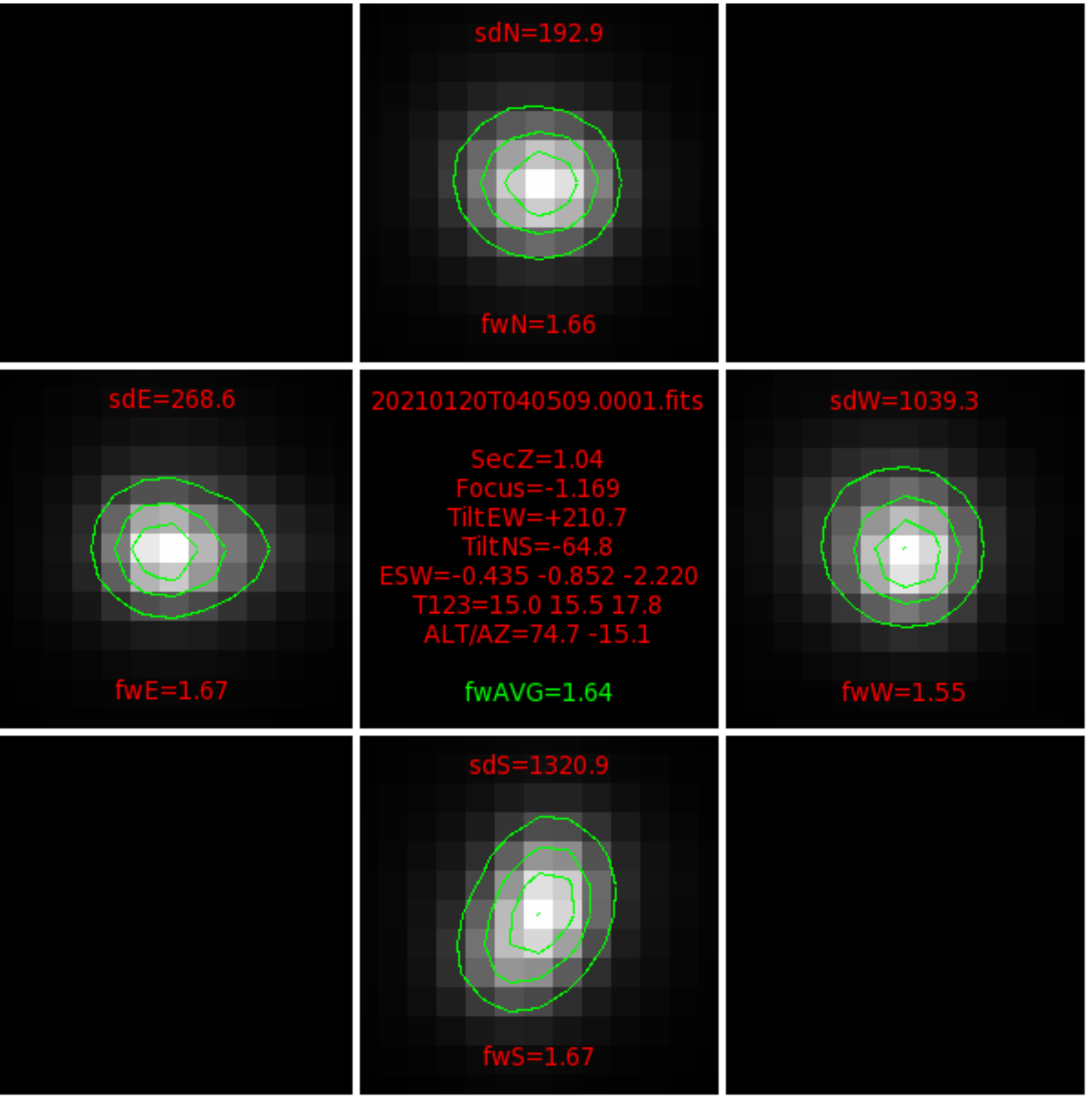
sdN=192.9
fwN=1.66
sdE=268.6
fwE=1.67
20210120T040509.0001.fits
SecZ=1.04
Focus=-1.169
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.435 -0.852 -2.220
T123=15.0 15.5 17.8
ALT/AZ=74.7 -15.1
fwAVG=1.64
sdW=1039.3
fwW=1.55
sdS=1320.9
fwS=1.67
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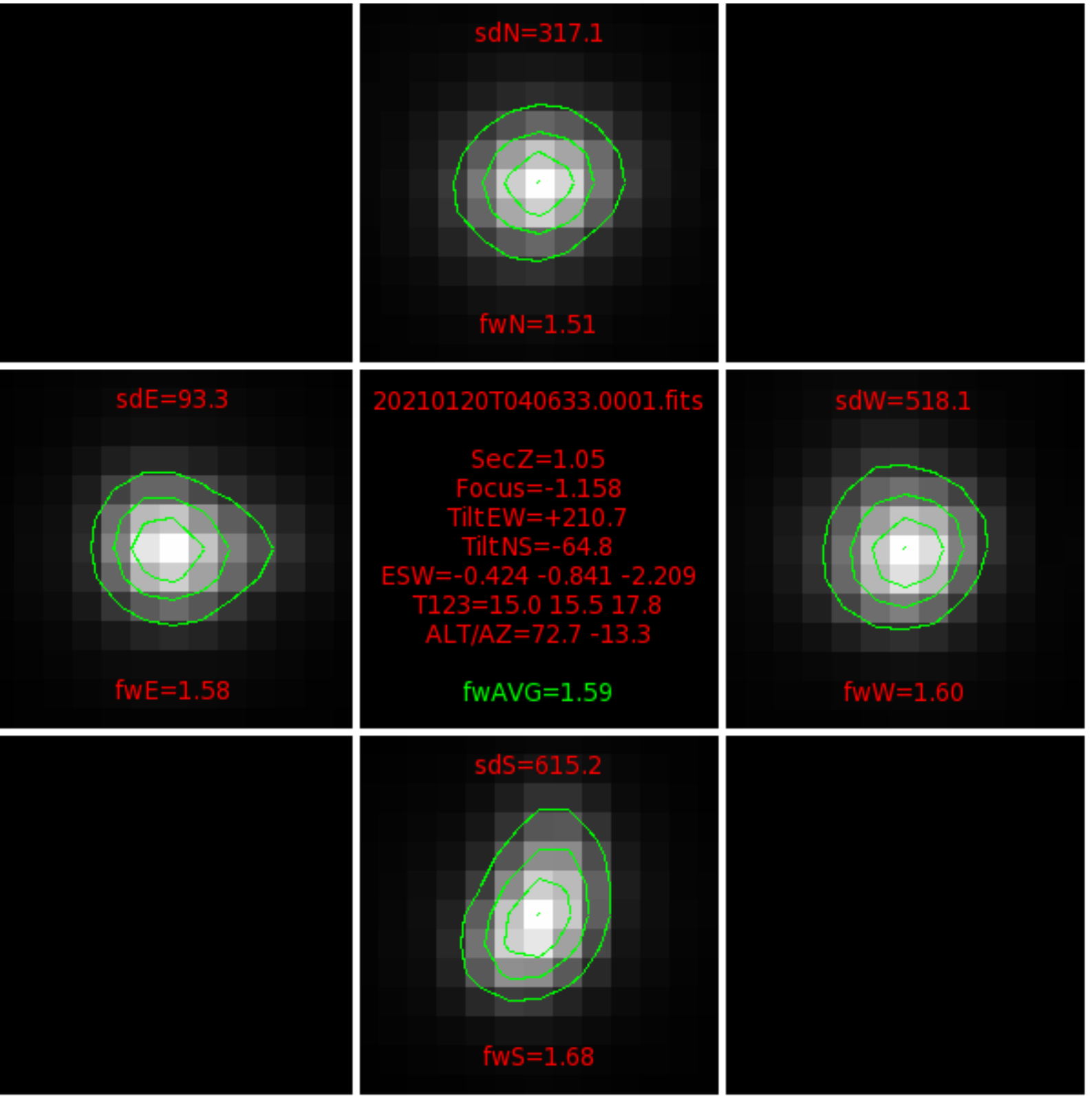
sdN=317.1
fwN=1.51
sdE=93.3
fwE=1.58
20210120T040633.0001.fits
SecZ=1.05
Focus=-1.158
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.424 -0.841 -2.209
T123=15.0 15.5 17.8
ALT/AZ=72.7 -13.3
fwAVG=1.59
sdW=518.1
fwW=1.60
sdS=615.2
fwS=1.68
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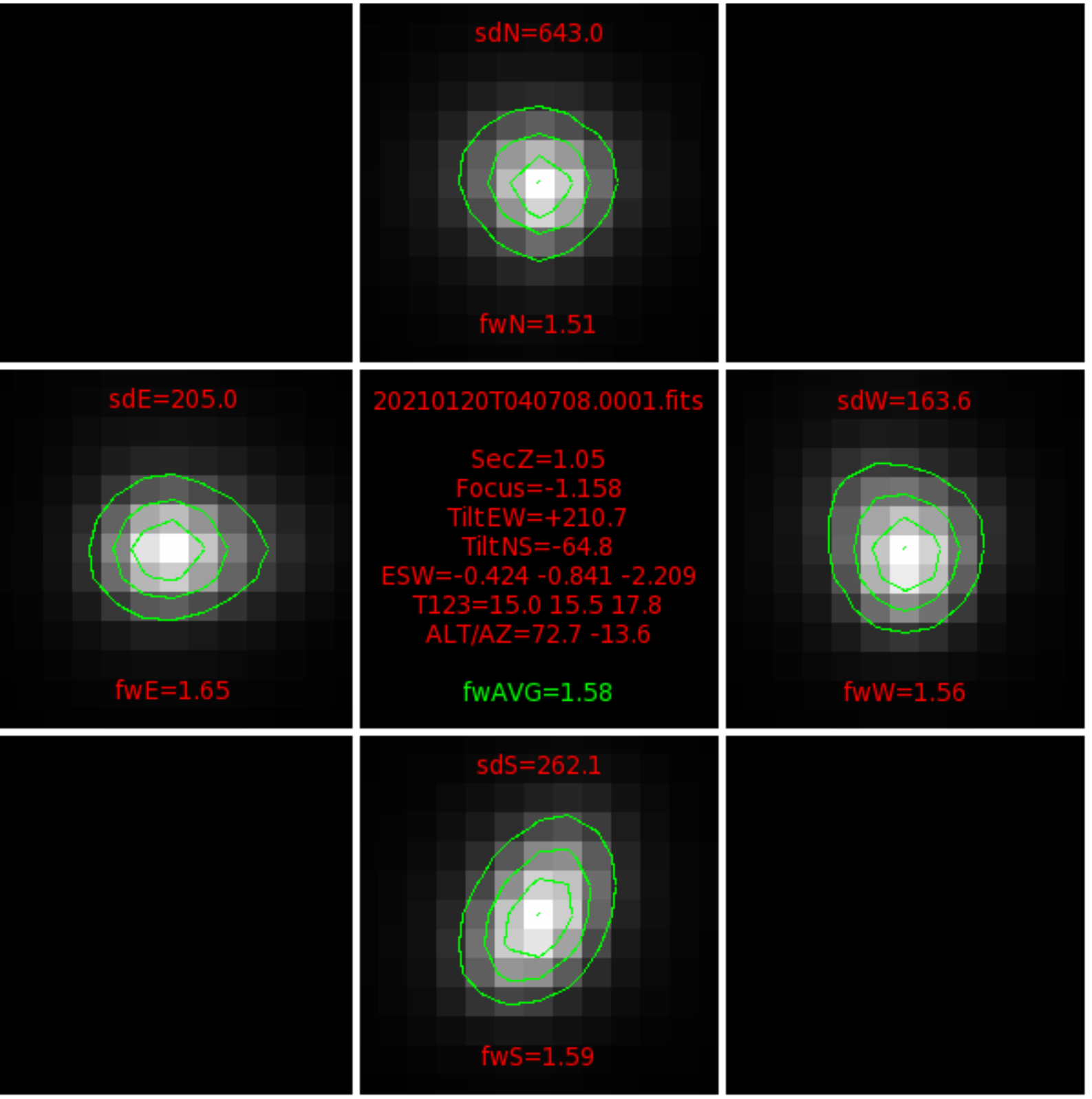
sdN=643.0
fwN=1.51
sdE=205.0
fwE=1.65
20210120T040708.0001.fits
SecZ=1.05
Focus=-1.158
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.424 -0.841 -2.209
T123=15.0 15.5 17.8
ALT/AZ=72.7 -13.6
fwAVG=1.58
sdW=163.6
fwW=1.56
sdS=262.1
fwS=1.59
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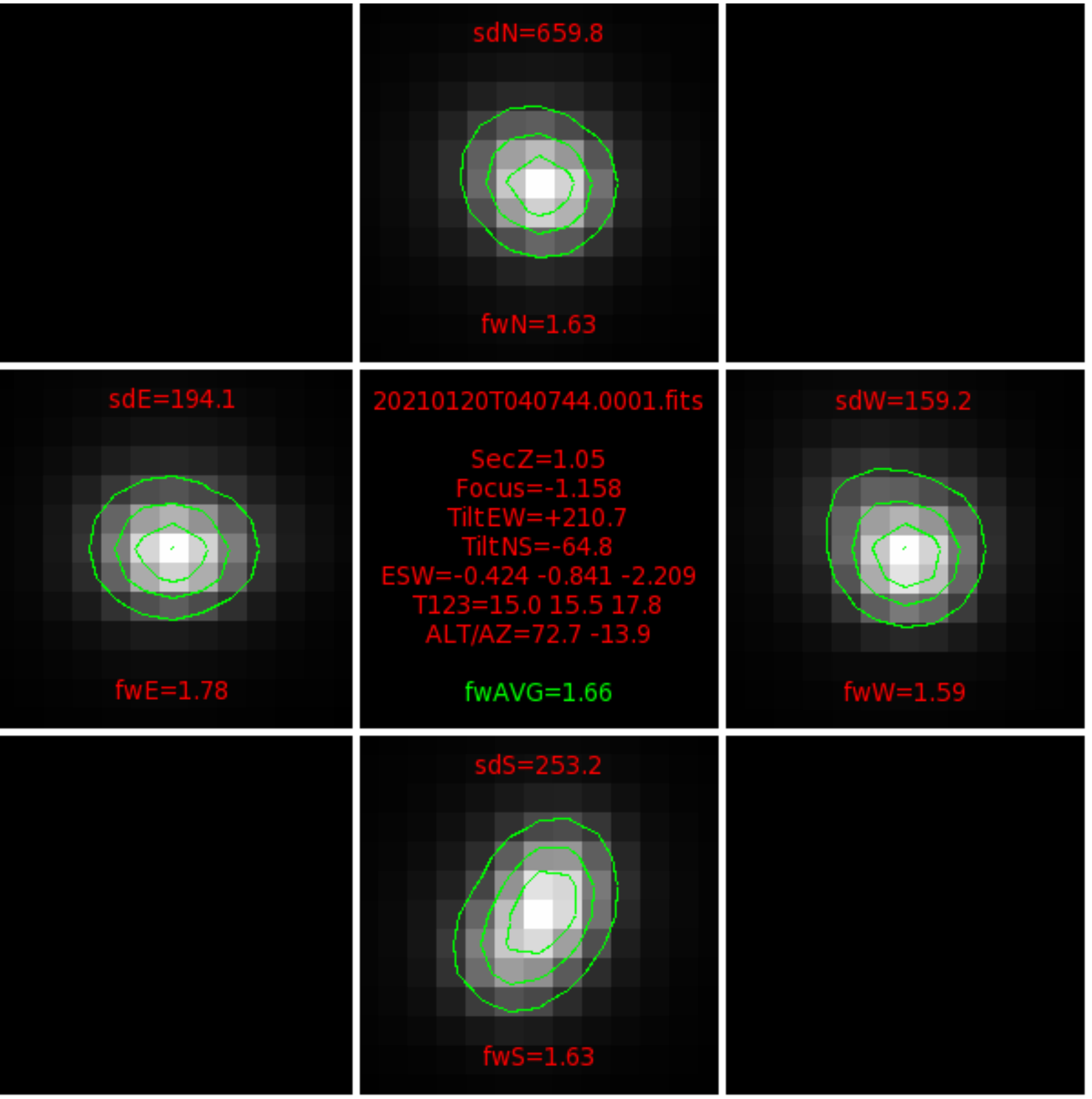
sdN=659.8
fwN=1.63
sdE=194.1
fwE=1.78
20210120T040744.0001.fits
SecZ=1.05
Focus=-1.158
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.424 -0.841 -2.209
T123=15.0 15.5 17.8
ALT/AZ=72.7 -13.9
fwAVG=1.66
sdW=159.2
fwW=1.59
sdS=253.2
fwS=1.63
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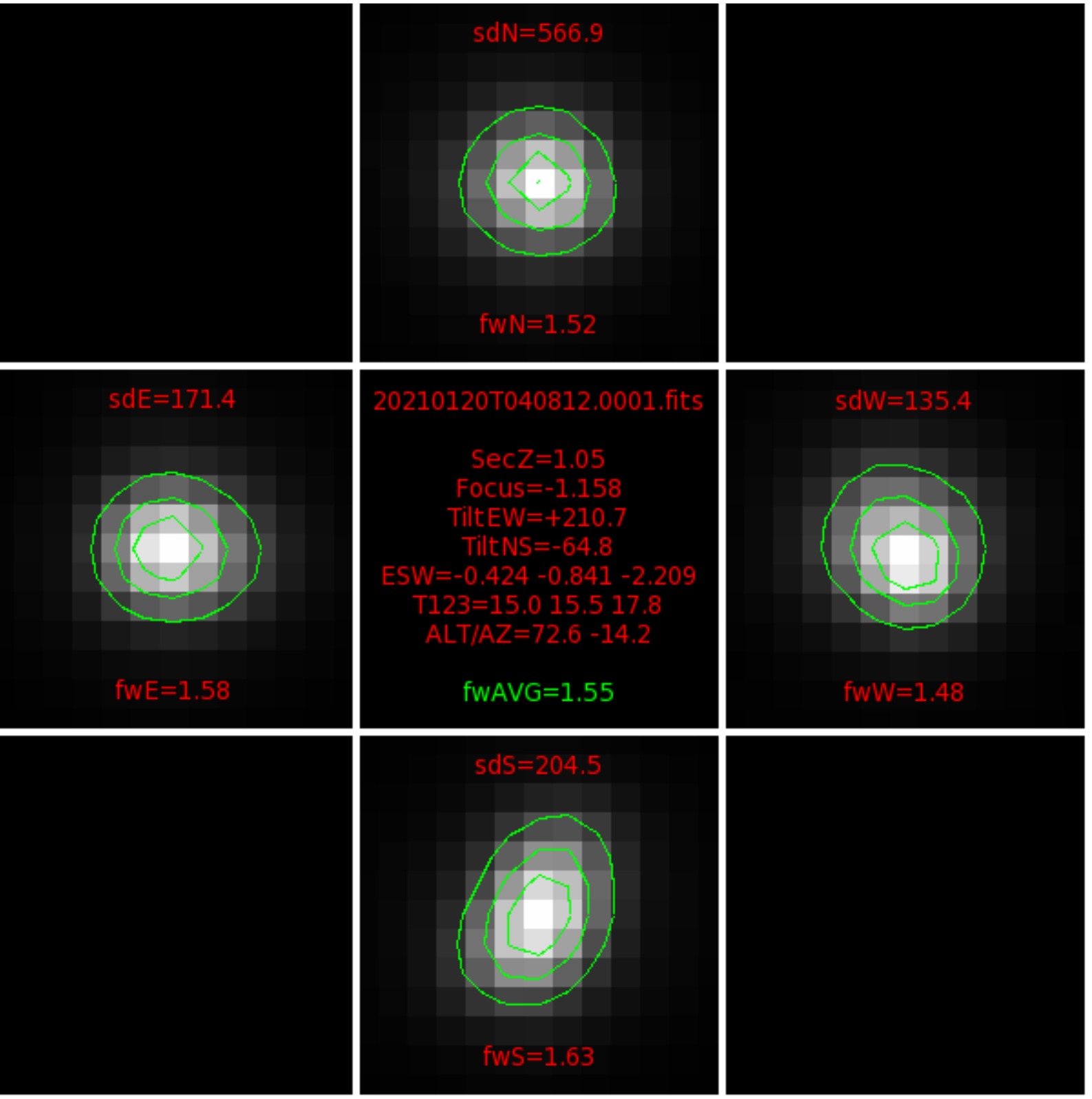
sdN=566.9
fwN=1.52
sdE=171.4
fwE=1.58
20210120T040812.0001.fits
SecZ=1.05
Focus=-1.158
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.424 -0.841 -2.209
T123=15.0 15.5 17.8
ALT/AZ=72.6 -14.2
fwAVG=1.55
sdW=135.4
fwW=1.48
sdS=204.5
fwS=1.63
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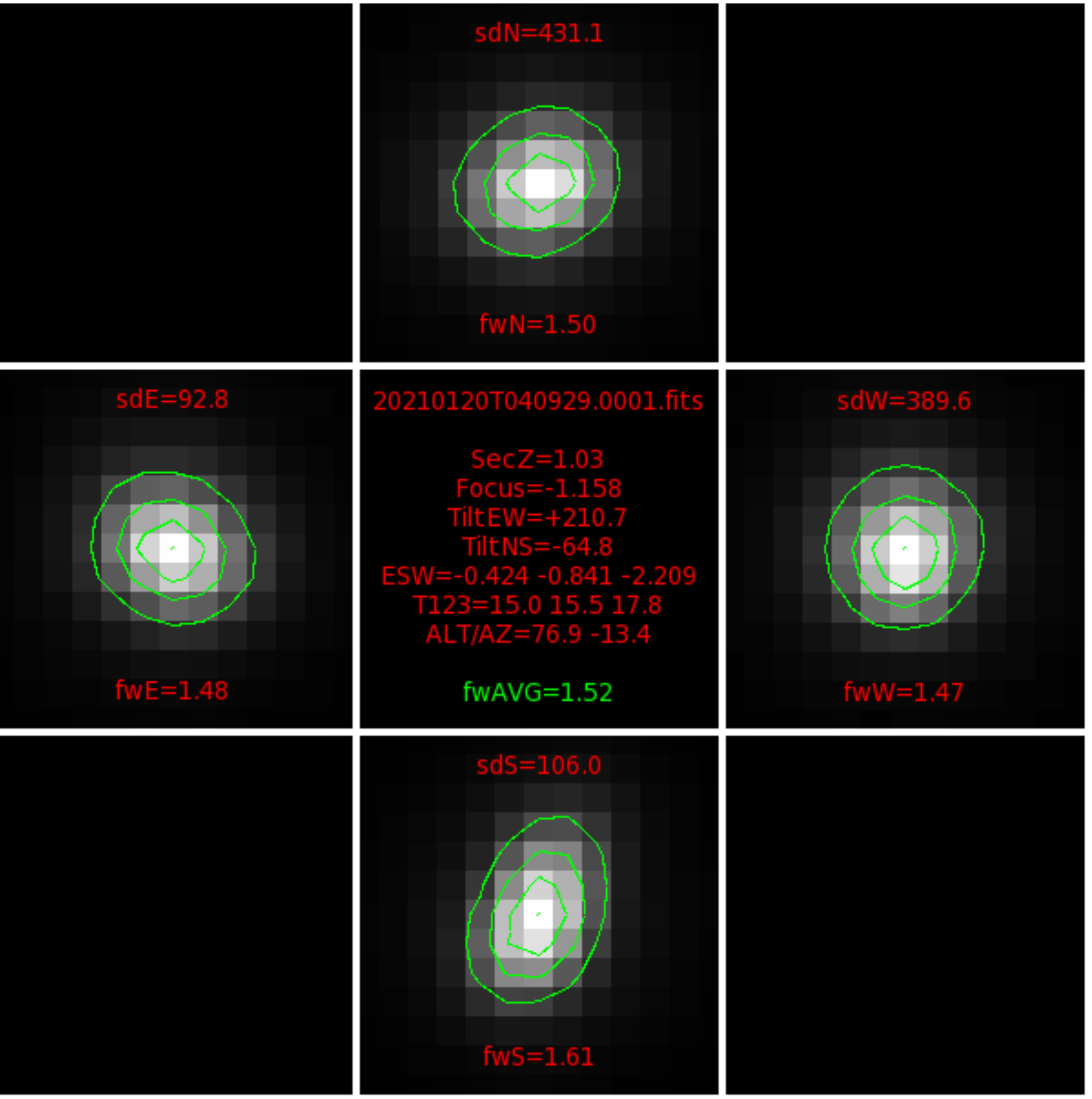
sdN=431.1
fwN=1.50
sdE=92.8
fwE=1.48
20210120T040929.0001.fits
SecZ=1.03
Focus=-1.158
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.424 -0.841 -2.209
T123=15.0 15.5 17.8
ALT/AZ=76.9 -13.4
fwAVG=1.52
sdW=389.6
fwW=1.47
sdS=106.0
fwS=1.61
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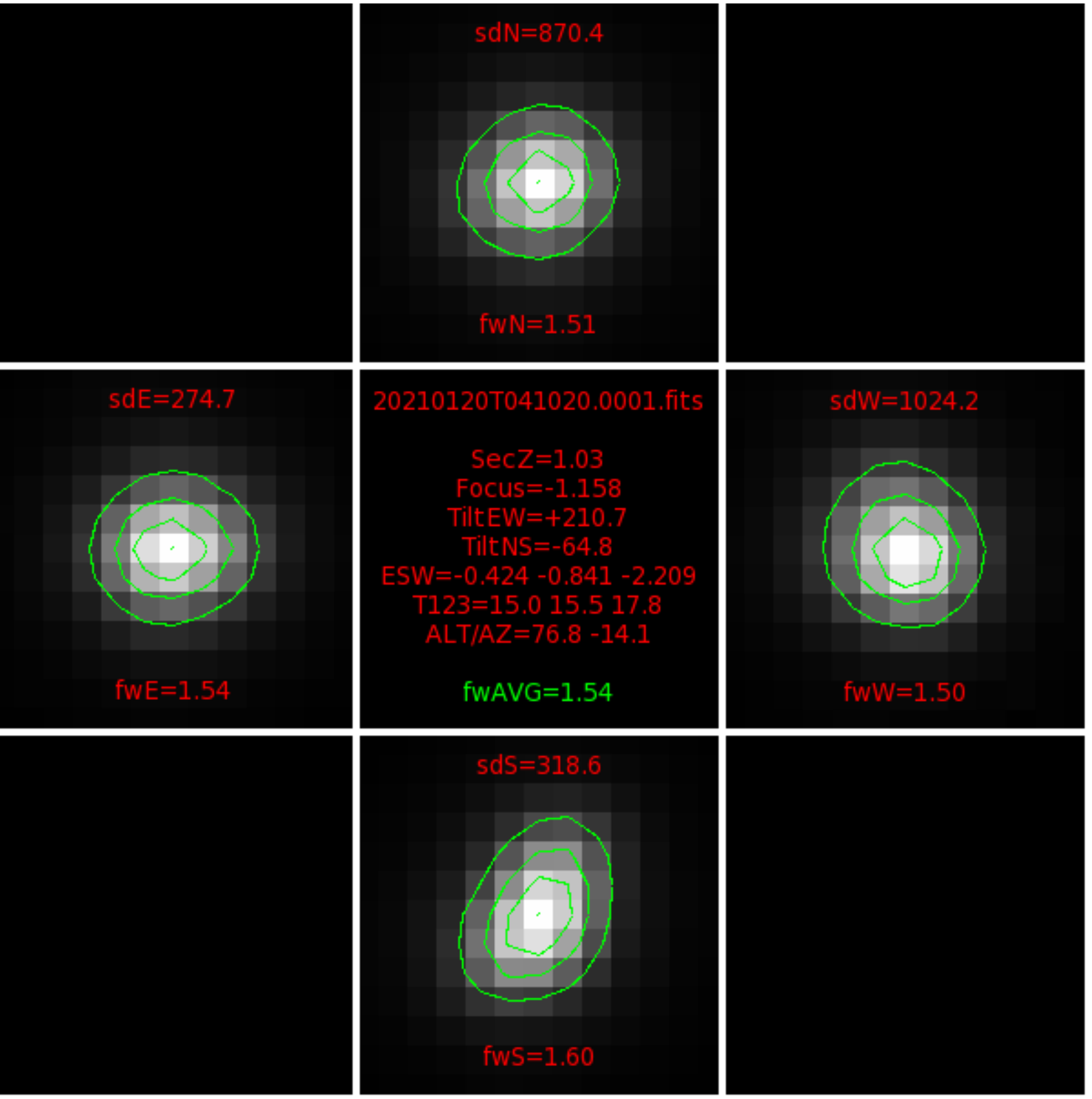
sdN=870.4
fwN=1.51
sdE=274.7
fwE=1.54
20210120T041020.0001.fits
SecZ=1.03
Focus=-1.158
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.424 -0.841 -2.209
T123=15.0 15.5 17.8
ALT/AZ=76.8 -14.1
fwAVG=1.54
sdW=1024.2
fwW=1.50
sdS=318.6
fwS=1.60
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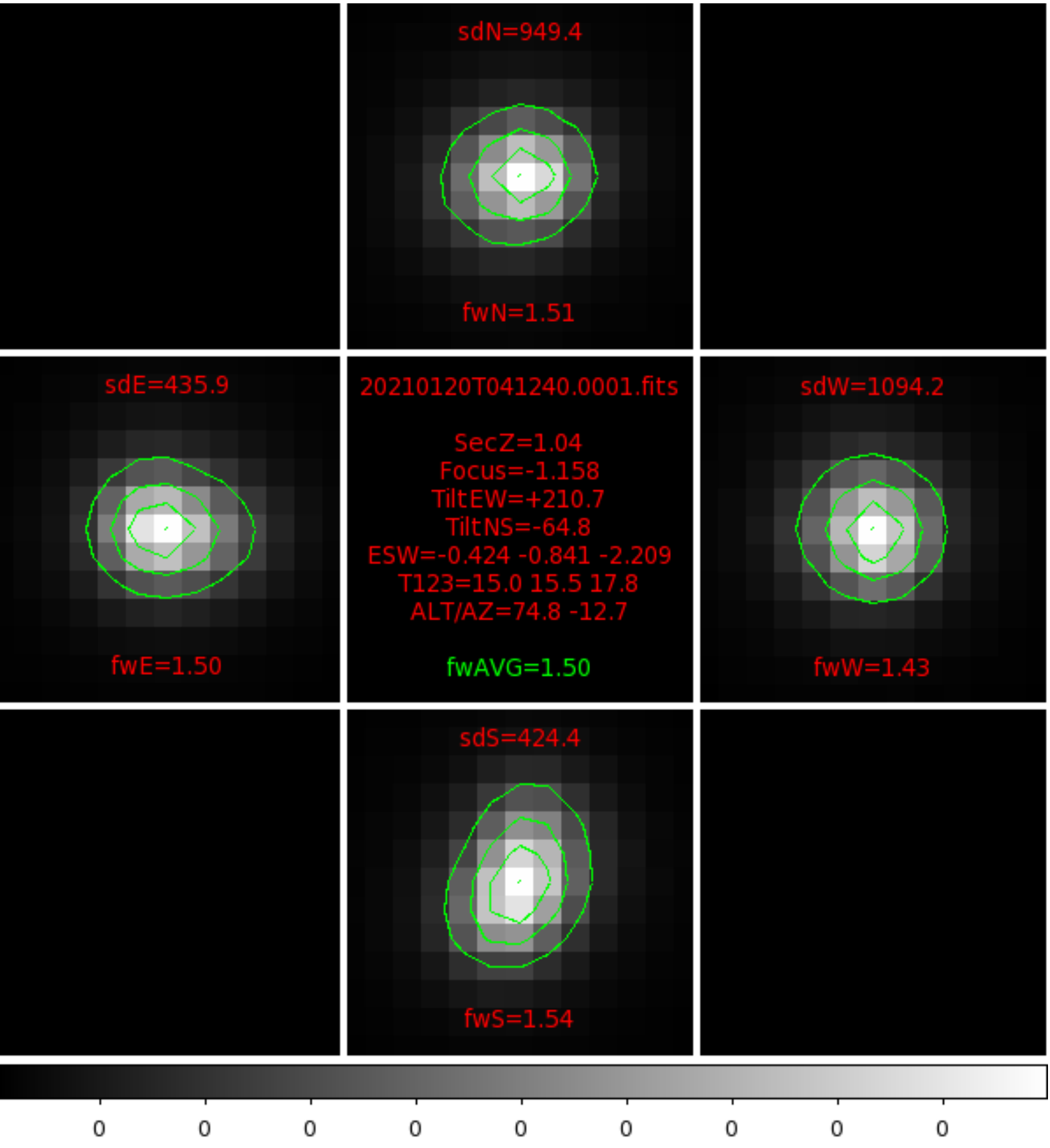
sdN=949.4
fwN=1.51
sdE=435.9
fwE=1.50
20210120T041240.0001.fits
SecZ=1.04
Focus=-1.158
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.424 -0.841 -2.209
T123=15.0 15.5 17.8
ALT/AZ=74.8 -12.7
fwAVG=1.50
sdW=1094.2
fwW=1.43
sdS=424.4
fwS=1.54
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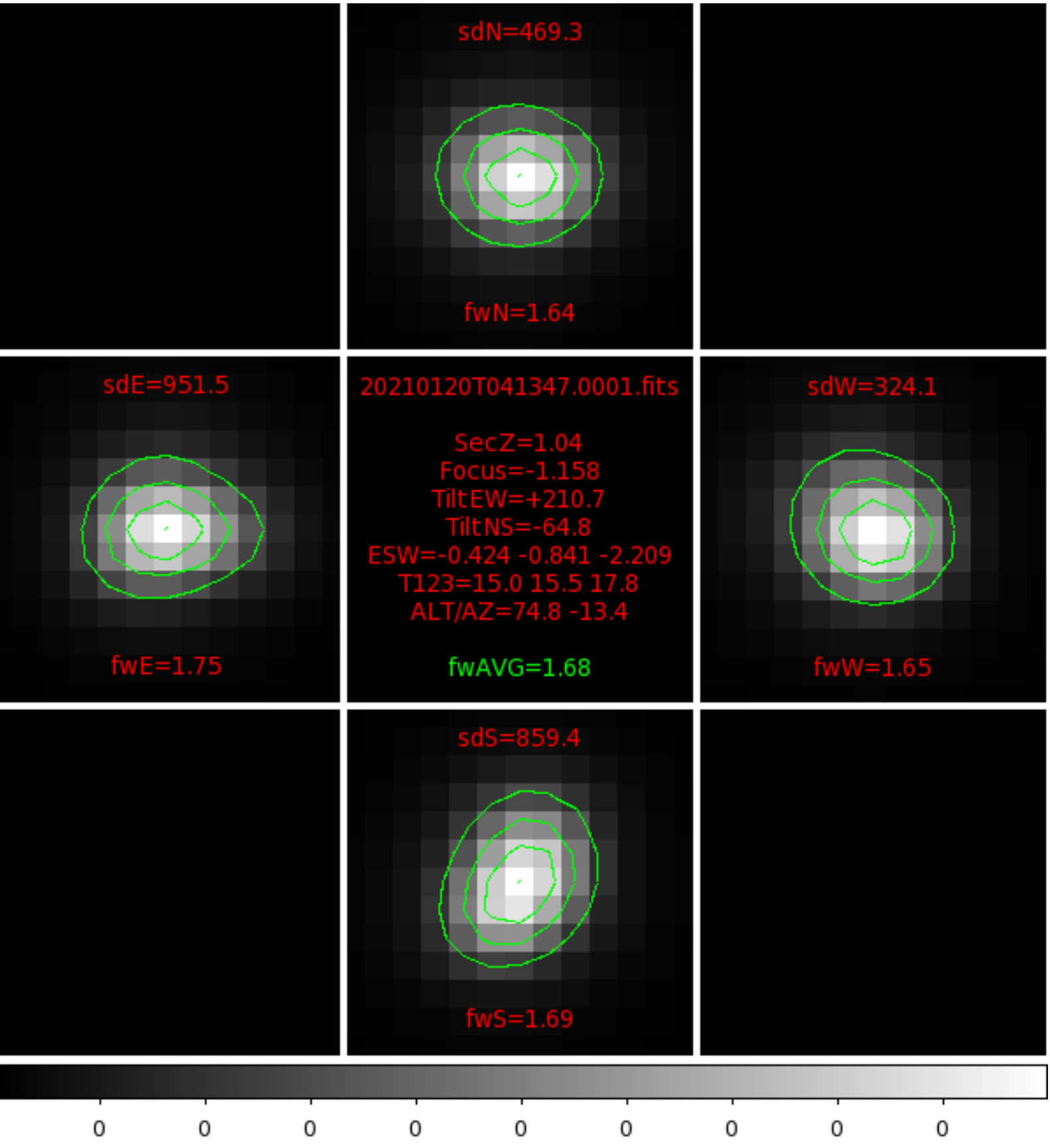
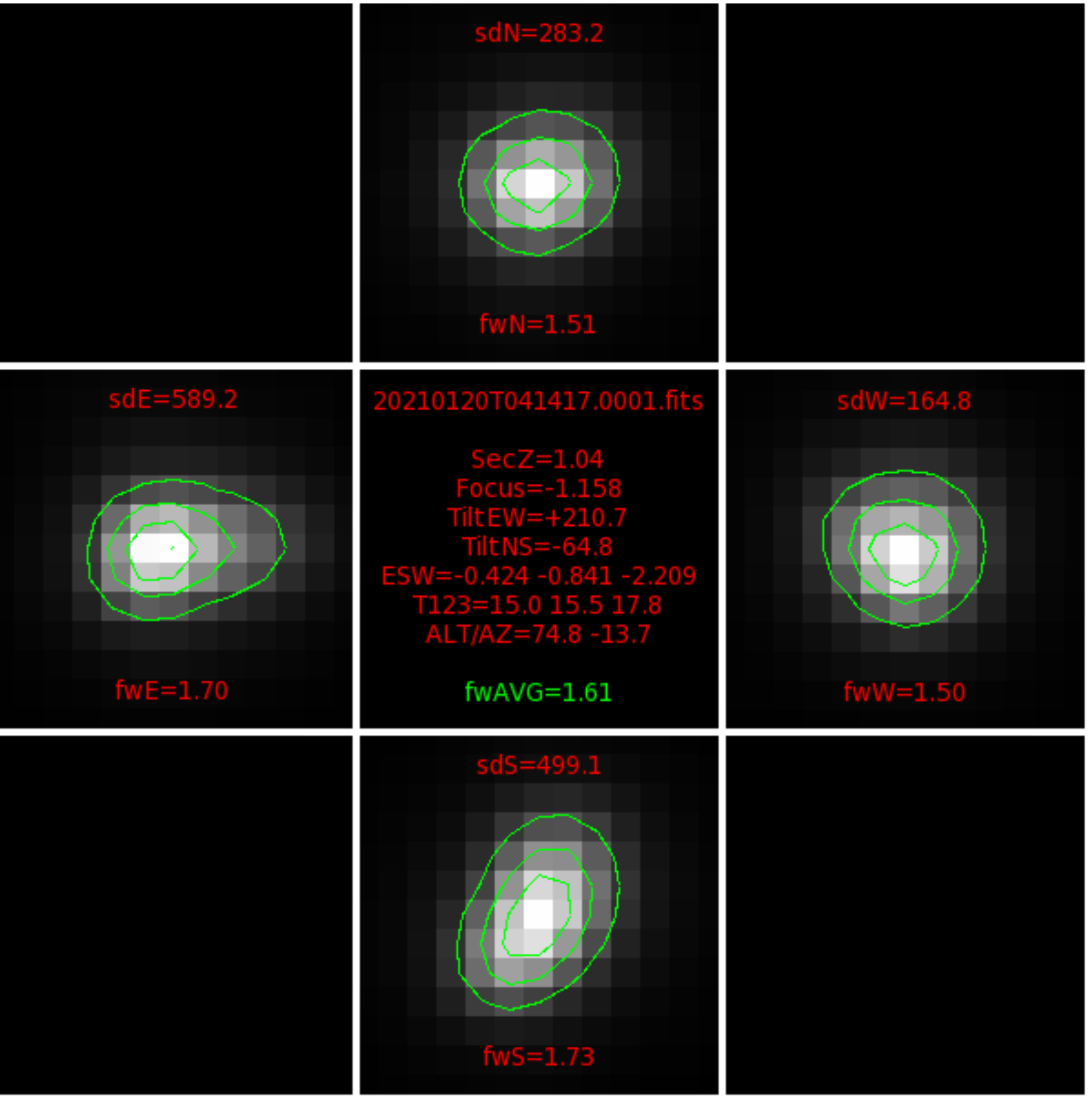

sdN=469.3
fwN=1.64
sdE=951.5
fwE=1.75
20210120T041347.0001.fits
SecZ=1.04
Focus=-1.158
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.424 -0.841 -2.209
T123=15.0 15.5 17.8
ALT/AZ=74.8 -13.4
fwAVG=1.68
sdW=324.1
fwW=1.65
sdS=859.4
fwS=1.69
0 0 0 0 0 0 0 0 0


sdN=283.2
fwN=1.51
sdE=589.2
fwE=1.70
20210120T041417.0001.fits
SecZ=1.04
Focus=-1.158
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.424 -0.841 -2.209
T123=15.0 15.5 17.8
ALT/AZ=74.8 -13.7
fwAVG=1.61
sdW=164.8
fwW=1.50
sdS=499.1
fwS=1.73
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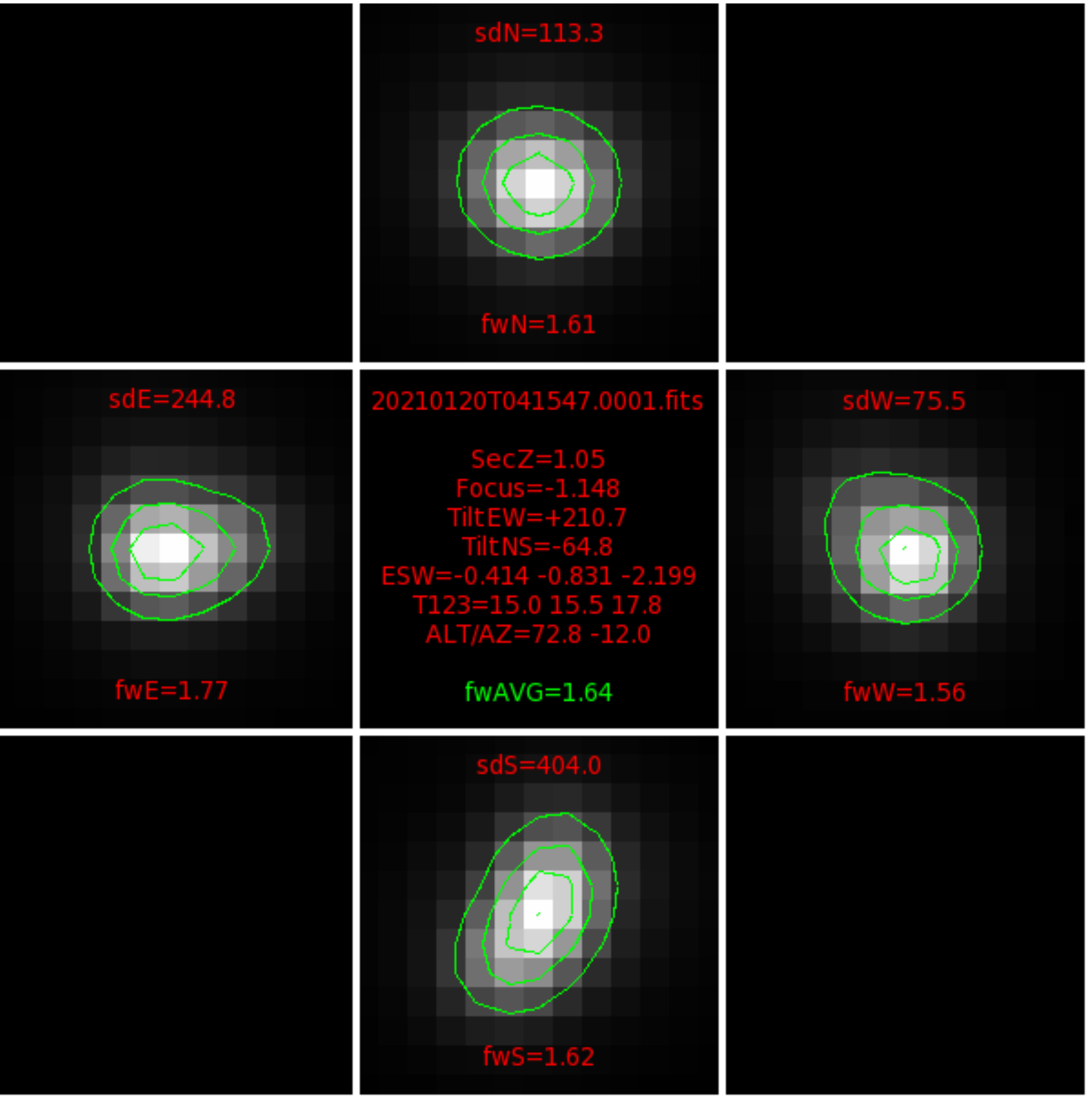
sdN=113.3
fwN=1.61
sdE=244.8
fwE=1.77
20210120T041547.0001.fits
SecZ=1.05
Focus=-1.148
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.414 -0.831 -2.199
T123=15.0 15.5 17.8
ALT/AZ=72.8 -12.0
fwAVG=1.64
sdW=75.5
fwW=1.56
sdS=404.0
fwS=1.62
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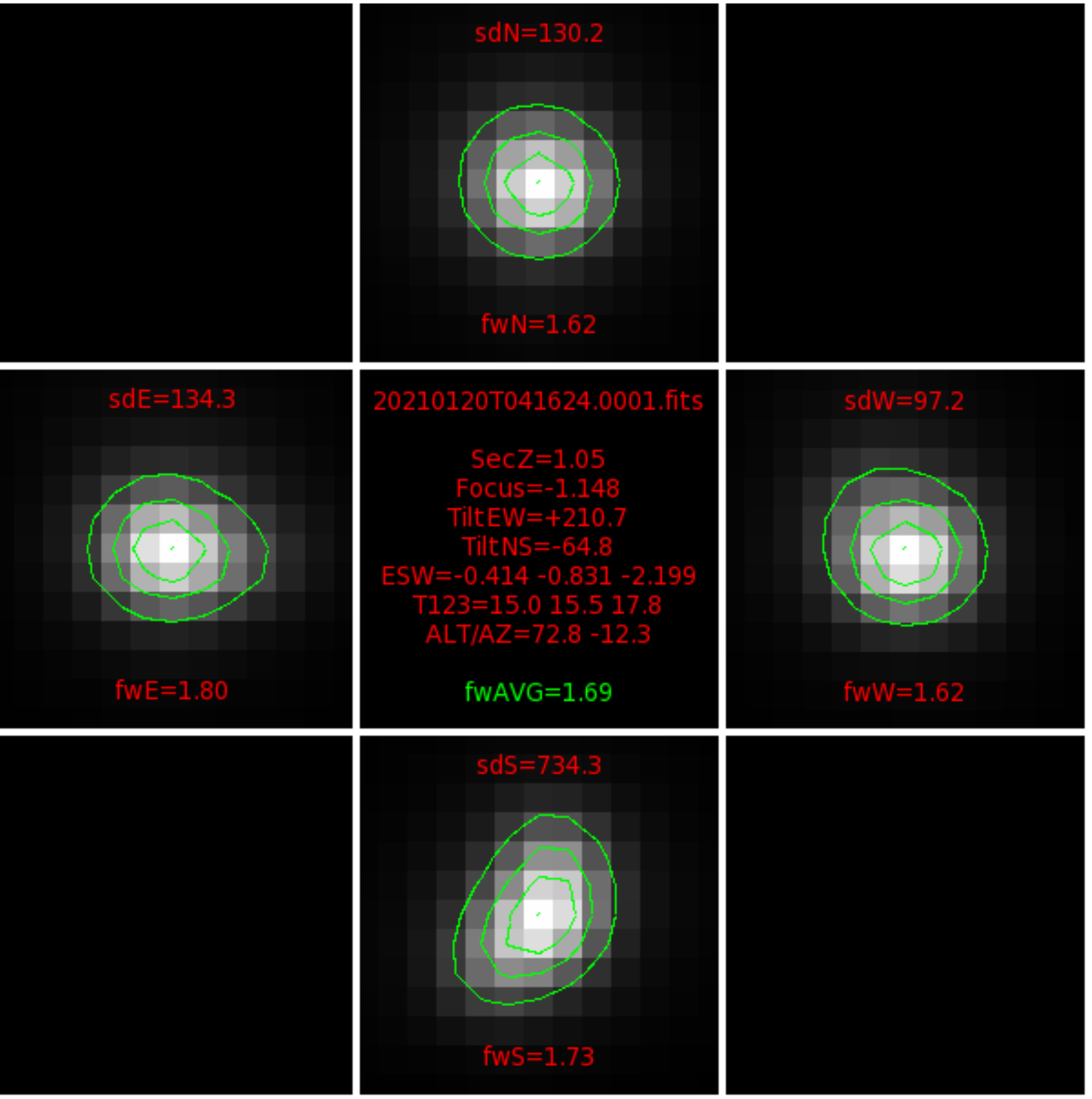
sdN=130.2
fwN=1.62
sdE=134.3
fwE=1.80
20210120T041624.0001.fits
SecZ=1.05
Focus=-1.148
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.414 -0.831 -2.199
T123=15.0 15.5 17.8
ALT/AZ=72.8 -12.3
fwAVG=1.69
sdW=97.2
fwW=1.62
sdS=734.3
fwS=1.73
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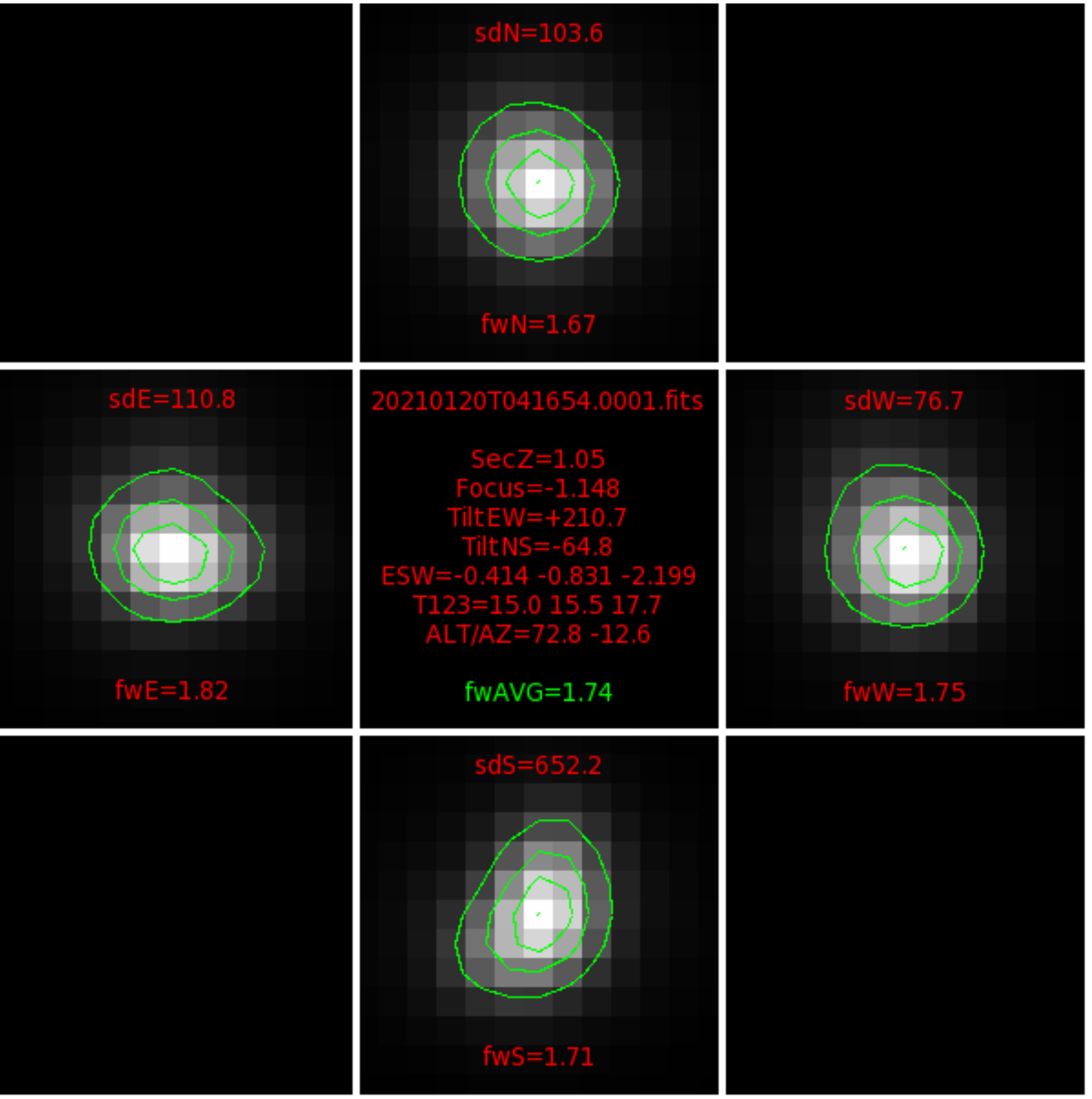
sdN=103.6
fwN=1.67
sdE=110.8
fwE=1.82
20210120T041654.0001.fits
SecZ=1.05
Focus=-1.148
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.414 -0.831 -2.199
T123=15.0 15.5 17.7
ALT/AZ=72.8 -12.6
fwAVG=1.74
sdW=76.7
fwW=1.75
sdS=652.2
fwS=1.71
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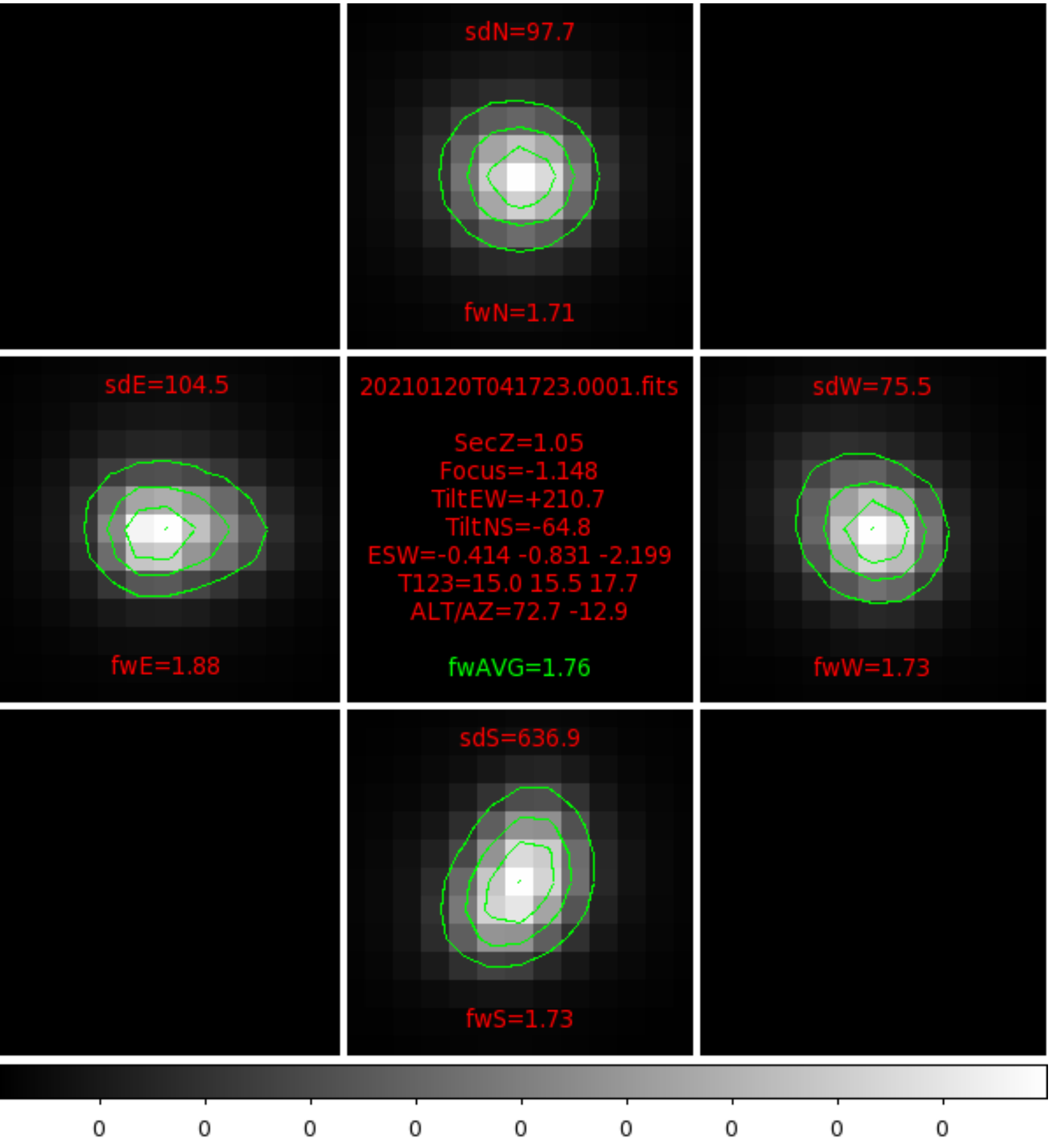
sdN=97.7
fwN=1.71
sdE=104.5
fwE=1.88
20210120T041723.0001.fits
SecZ=1.05
Focus=-1.148
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.414 -0.831 -2.199
T123=15.0 15.5 17.7
ALT/AZ=72.7 -12.9
fwAVG=1.76
sdW=75.5
fwW=1.73
sdS=636.9
fwS=1.73
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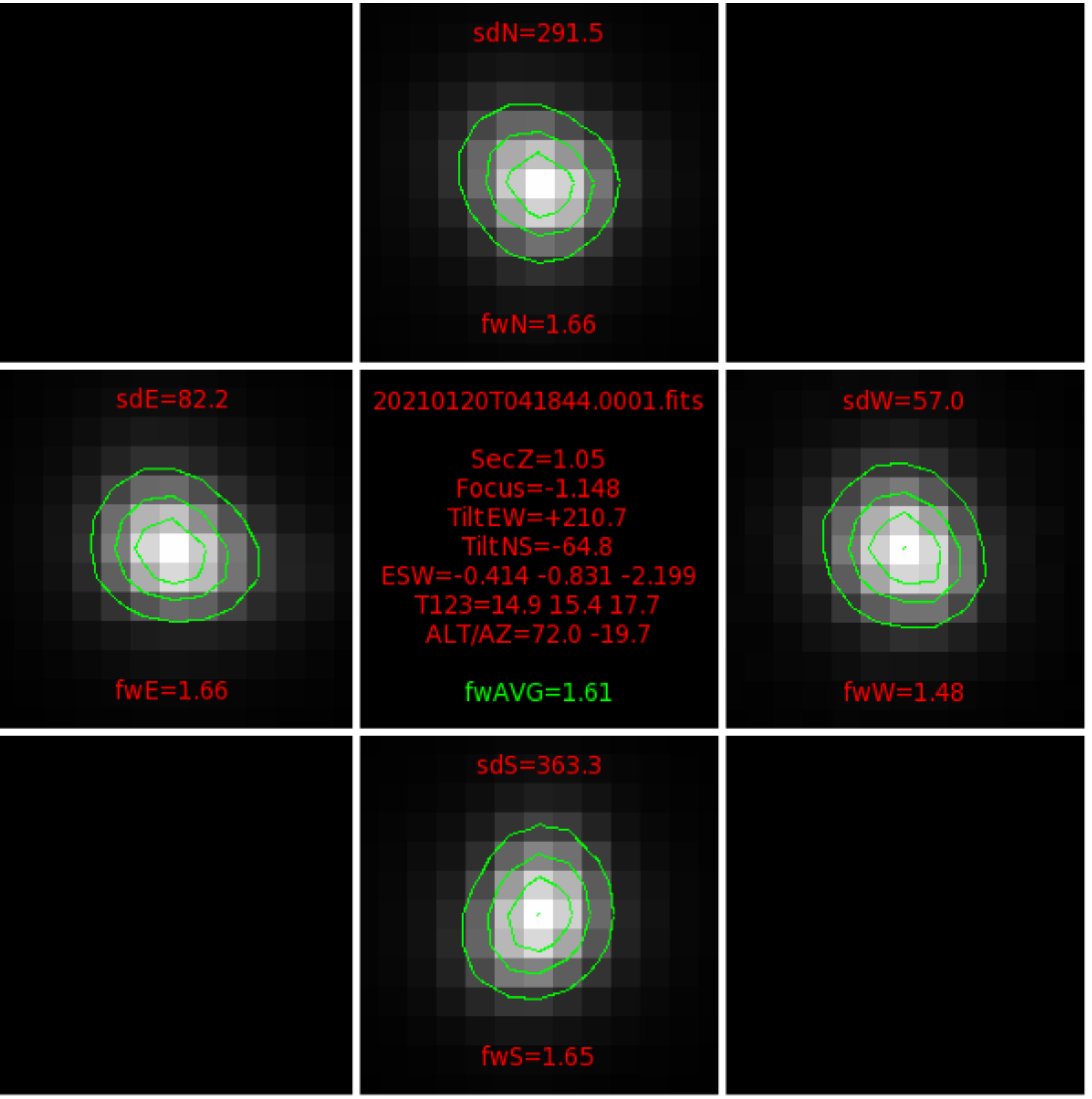
sdN=291.5
fwN=1.66
sdE=82.2
fwE=1.66
20210120T041844.0001.fits
SecZ=1.05
Focus=-1.148
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.414 -0.831 -2.199
T123=14.9 15.4 17.7
ALT/AZ=72.0 -19.7
fwAVG=1.61
sdW=57.0
fwW=1.48
sdS=363.3
fwS=1.65
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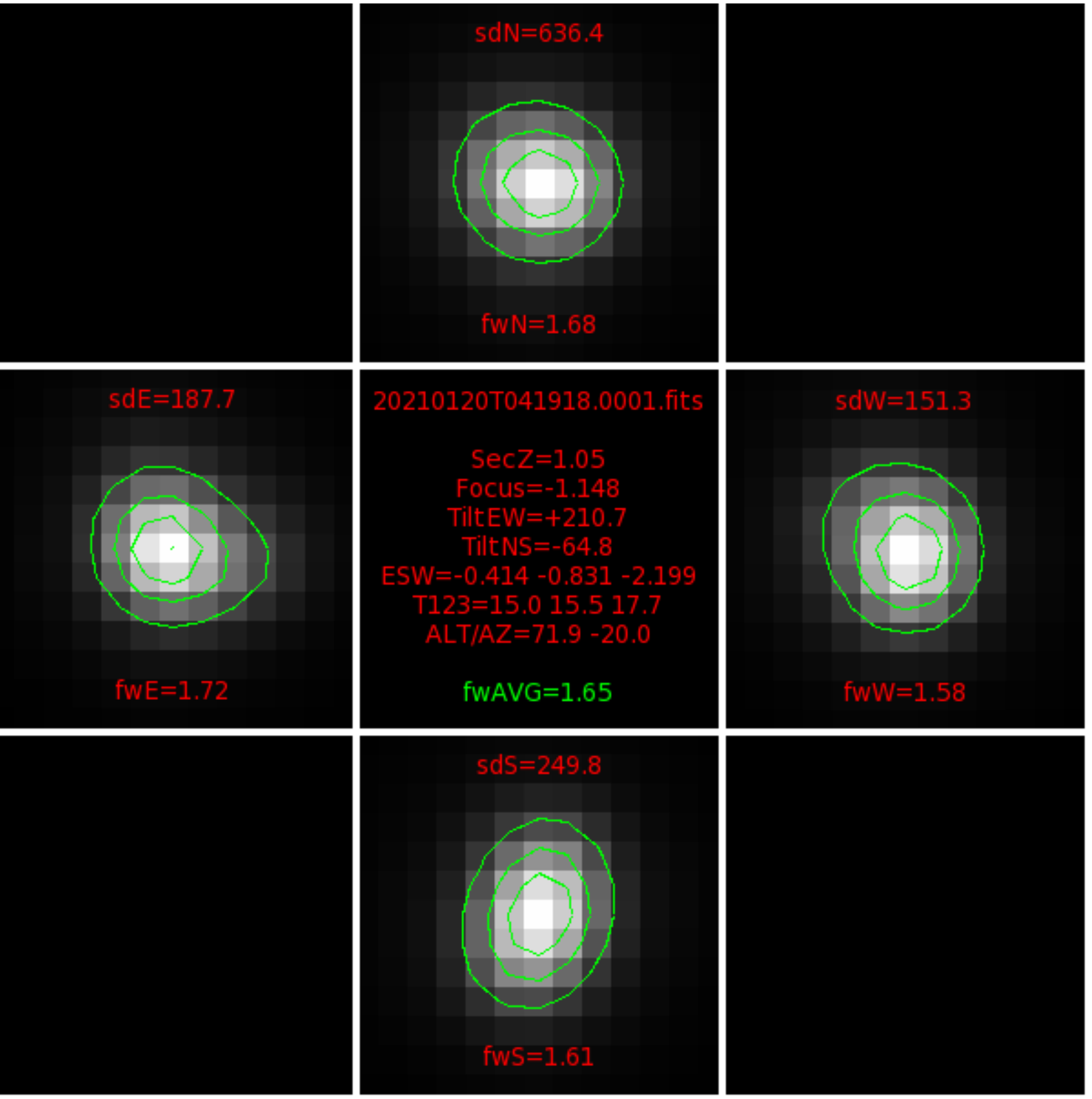
sdN=636.4
fwN=1.68
sdE=187.7
fwE=1.72
20210120T041918.0001.fits
SecZ=1.05
Focus=-1.148
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.414 -0.831 -2.199
T123=15.0 15.5 17.7
ALT/AZ=71.9 -20.0
fwAVG=1.65
sdW=151.3
fwW=1.58
sdS=249.8
fwS=1.61
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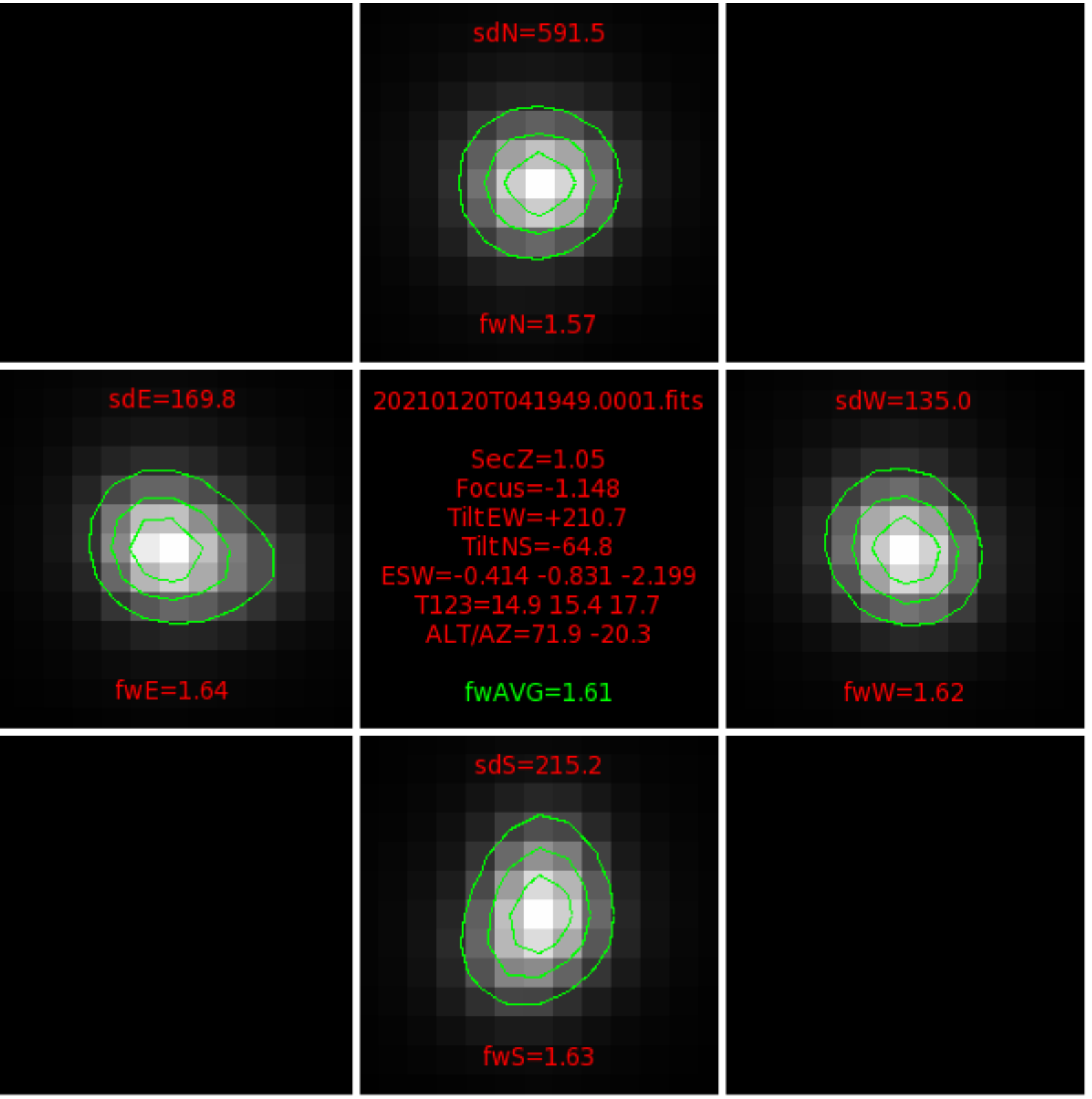
sdN=591.5
fwN=1.57
sdE=169.8
fwE=1.64
20210120T041949.0001.fits
SecZ=1.05
Focus=-1.148
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.414 -0.831 -2.199
T123=14.9 15.4 17.7
ALT/AZ=71.9 -20.3
fwAVG=1.61
sdW=135.0
fwW=1.62
sdS=215.2
fwS=1.63
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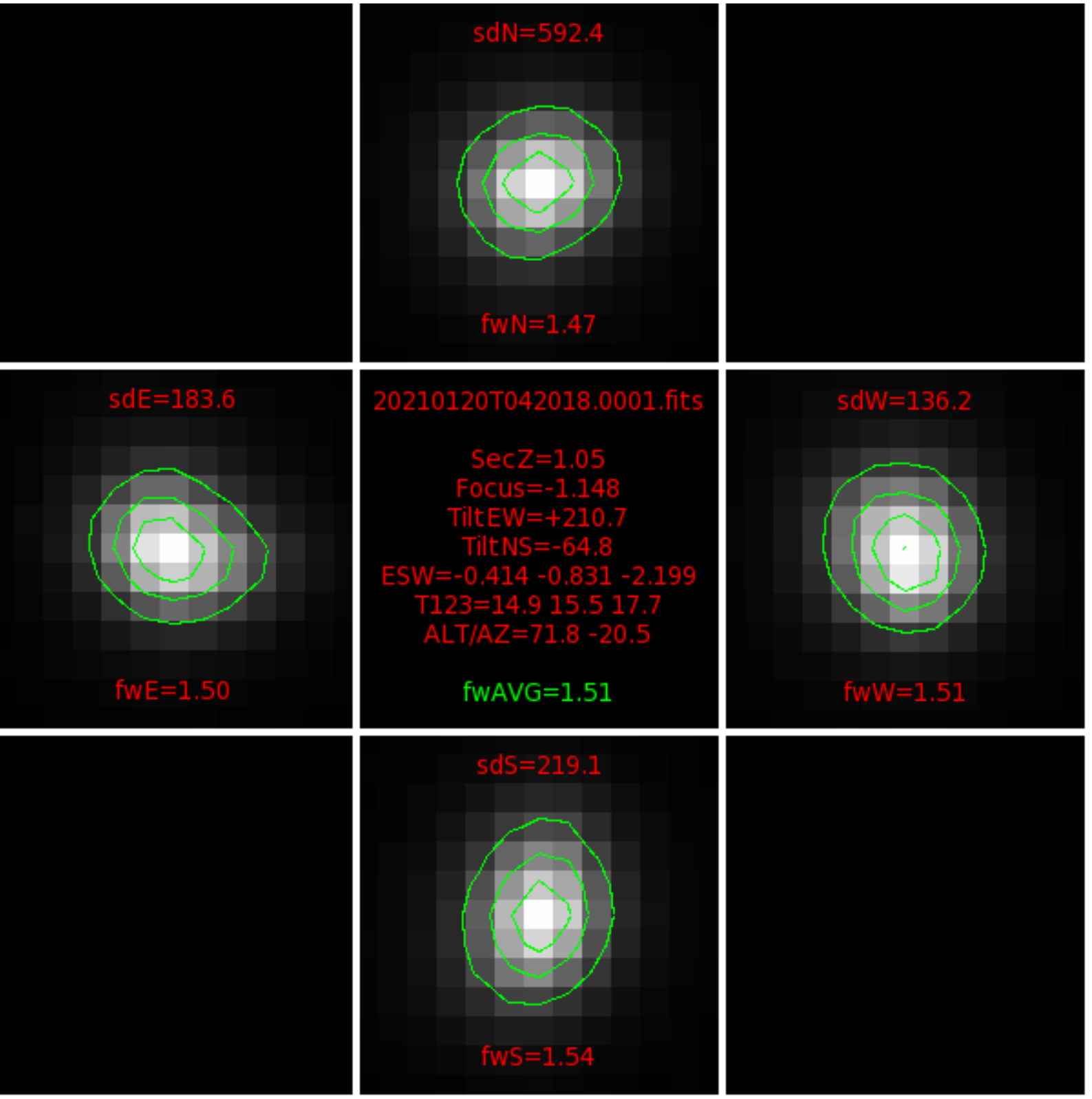
sdN=592.4
fwN=1.47
sdE=183.6
fwE=1.50
20210120T042018.0001.fits
SecZ=1.05
Focus=-1.148
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.414 -0.831 -2.199
T123=14.9 15.5 17.7
ALT/AZ=71.8 -20.5
fwAVG=1.51
sdW=136.2
fwW=1.51
sdS=219.1
fwS=1.54
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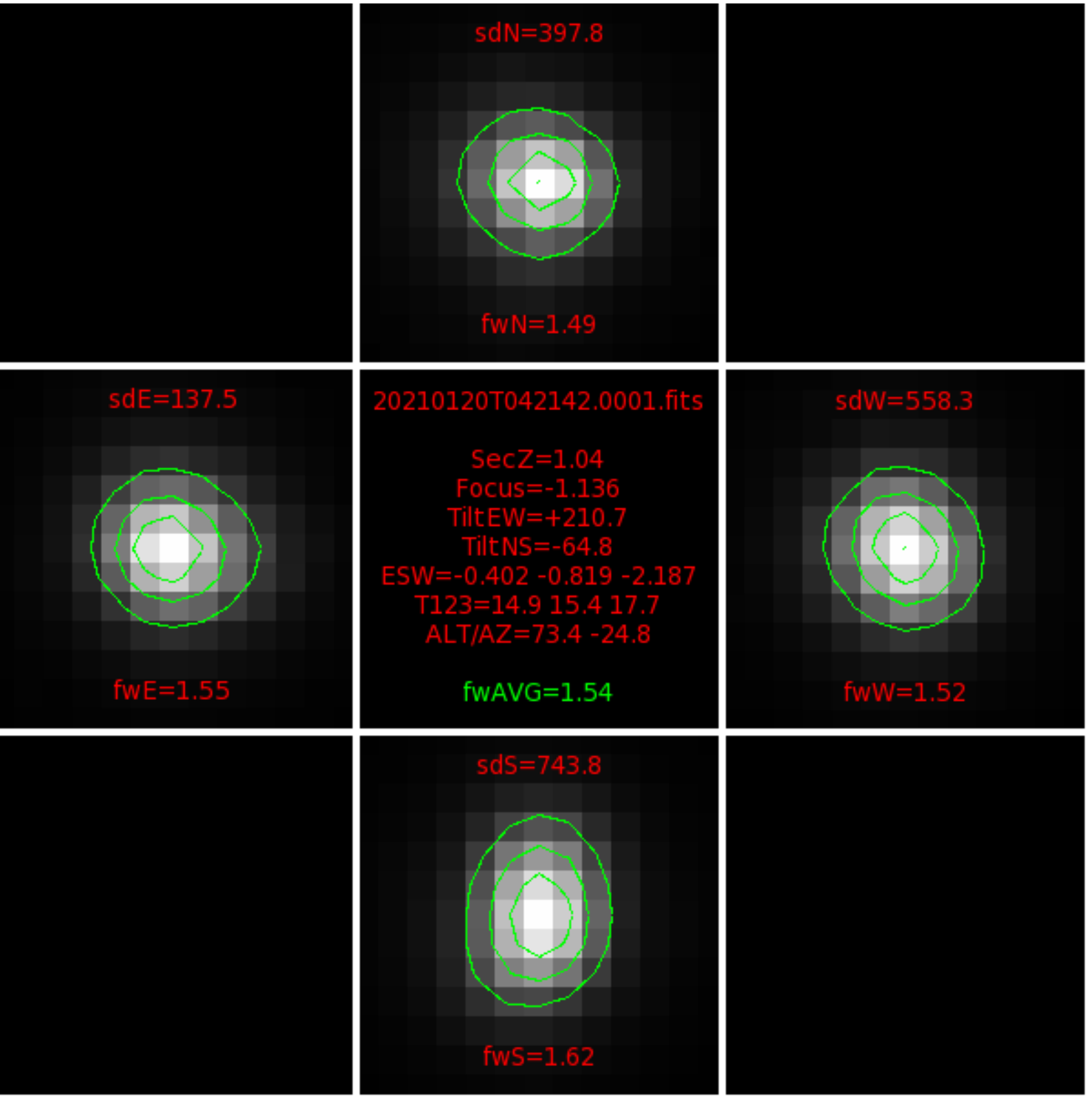
sdN=397.8
fwN=1.49
sdE=137.5
fwE=1.55
20210120T042142.0001.fits
SecZ=1.04
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.9 15.4 17.7
ALT/AZ=73.4 -24.8
fwAVG=1.54
sdW=558.3
fwW=1.52
sdS=743.8
fwS=1.62
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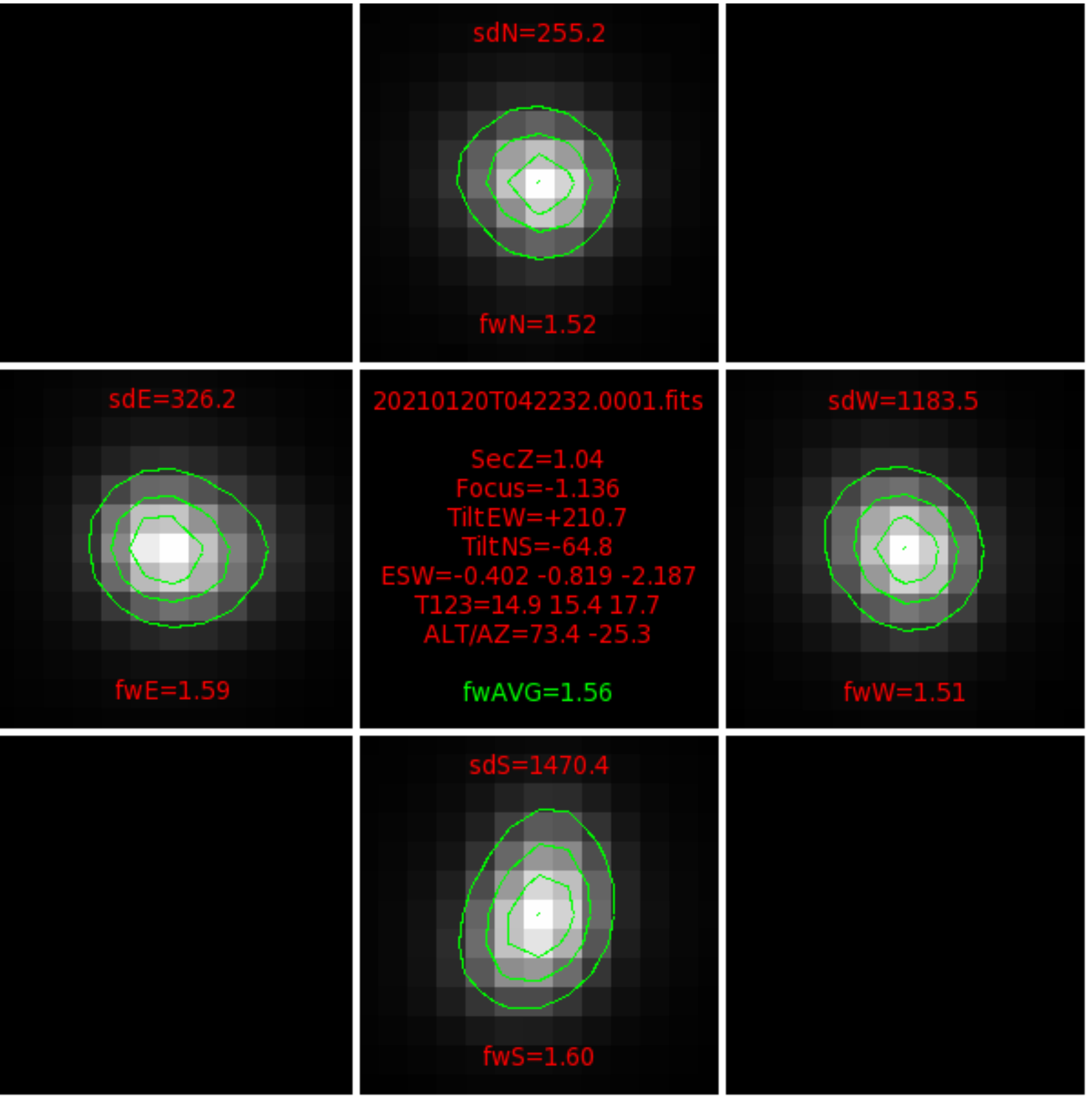
sdN=255.2
fwN=1.52
sdE=326.2
fwE=1.59
20210120T042232.0001.fits
SecZ=1.04
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.9 15.4 17.7
ALT/AZ=73.4 -25.3
fwAVG=1.56
sdW=1183.5
fwW=1.51
sdS=1470.4
fwS=1.60
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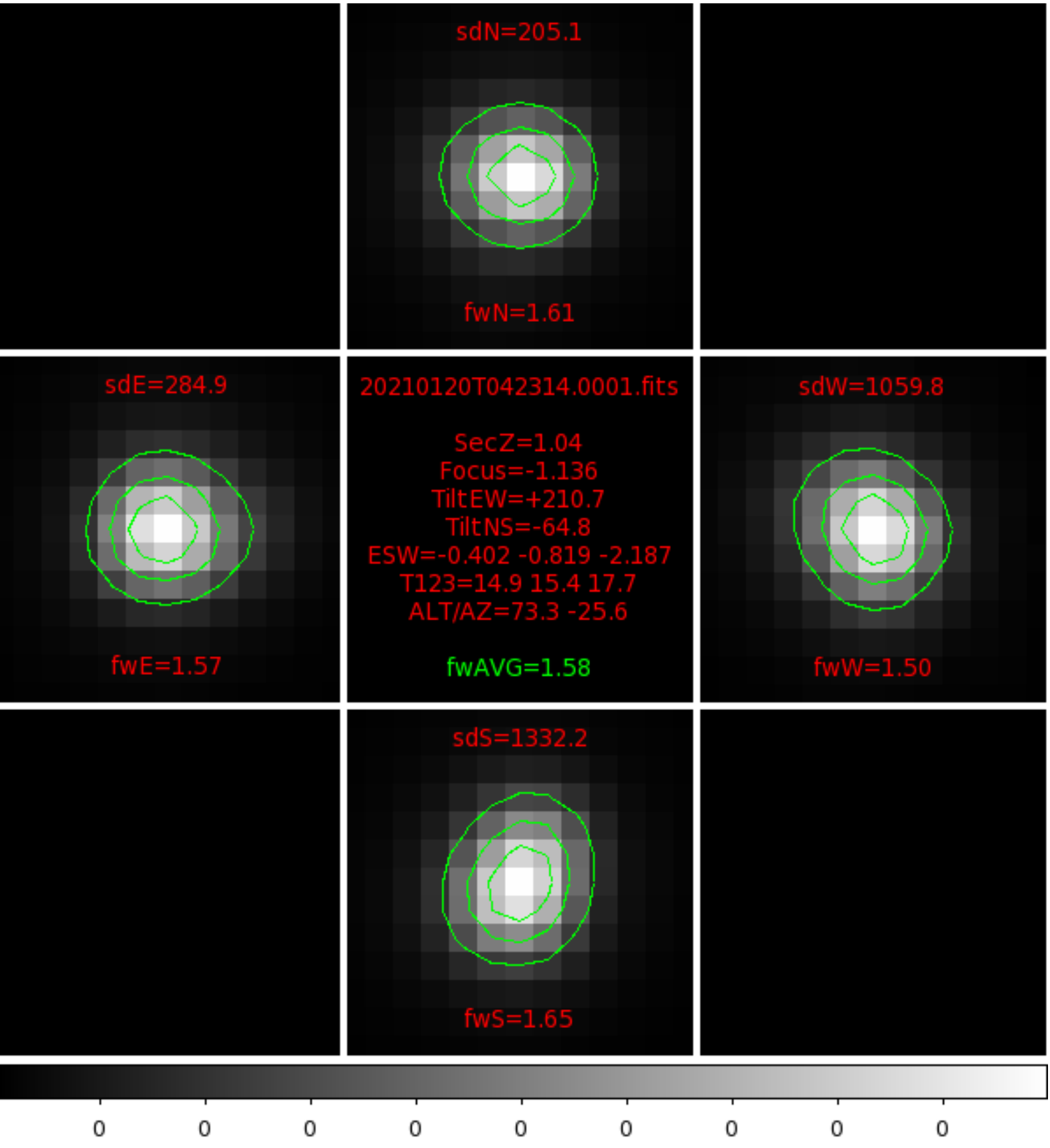
sdN=205.1
fwN=1.61
sdE=284.9
fwE=1.57
20210120T042314.0001.fits
SecZ=1.04
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.9 15.4 17.7
ALT/AZ=73.3 -25.6
fwAVG=1.58
sdW=1059.8
fwW=1.50
sdS=1332.2
fwS=1.65
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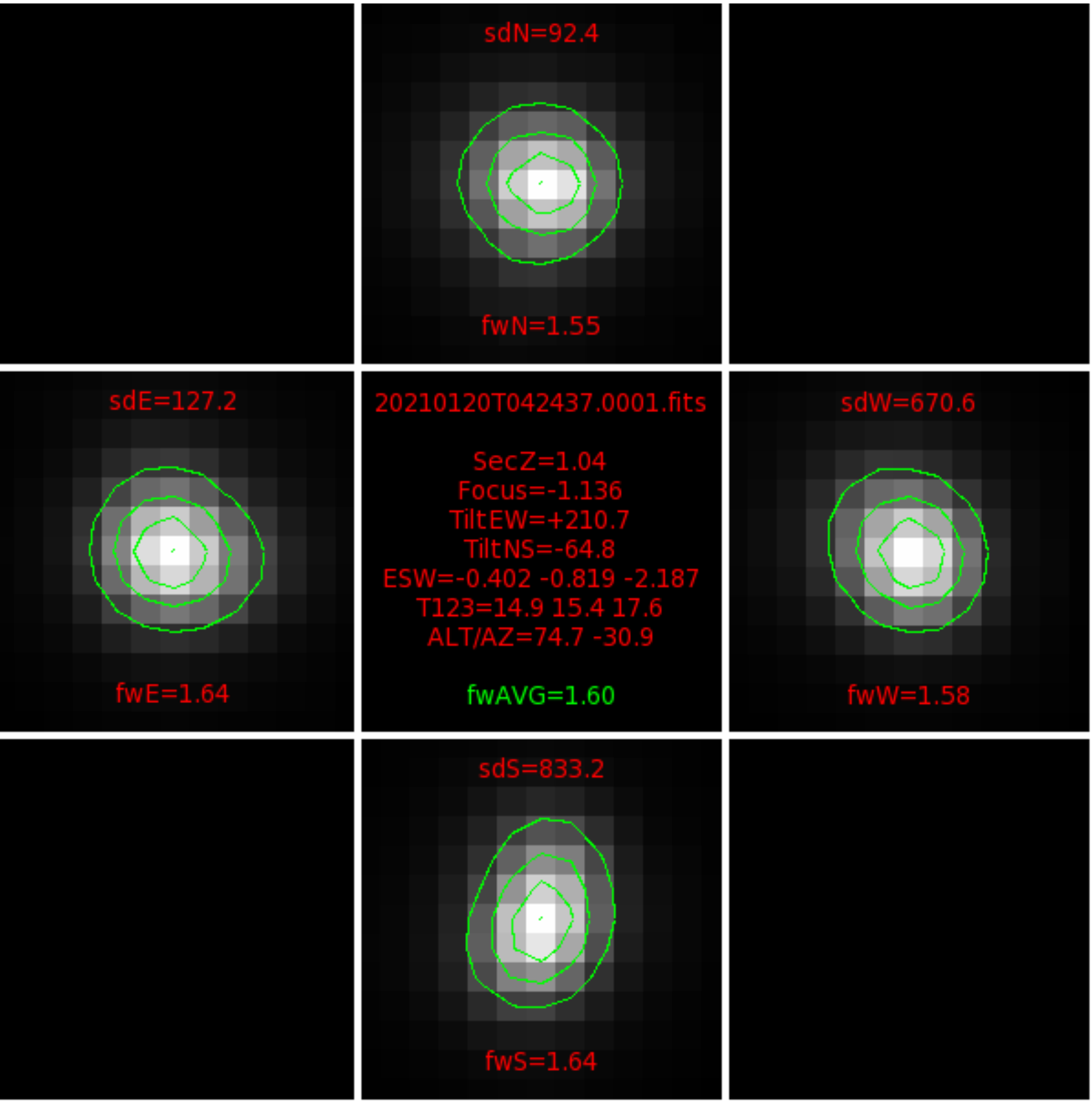
sdN=92.4
fwN=1.55
sdE=127.2
fwE=1.64
20210120T042437.0001.fits
SecZ=1.04
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.9 15.4 17.6
ALT/AZ=74.7 -30.9
fwAVG=1.60
sdW=670.6
fwW=1.58
sdS=833.2
fwS=1.64
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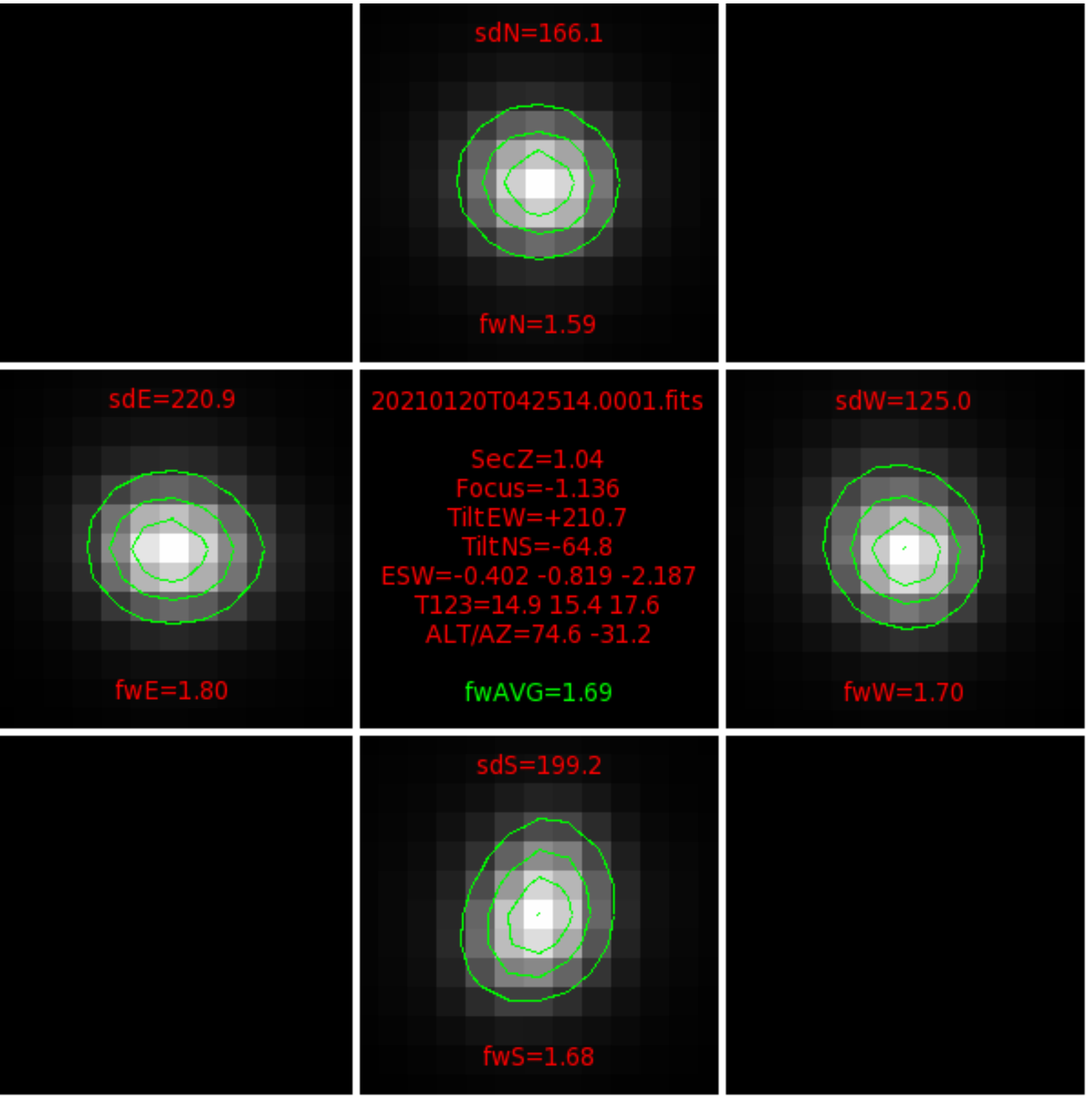
sdN=166.1
fwN=1.59
sdE=220.9
fwE=1.80
20210120T042514.0001.fits
SecZ=1.04
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.9 15.4 17.6
ALT/AZ=74.6 -31.2
fwAVG=1.69
sdW=125.0
fwW=1.70
sdS=199.2
fwS=1.68
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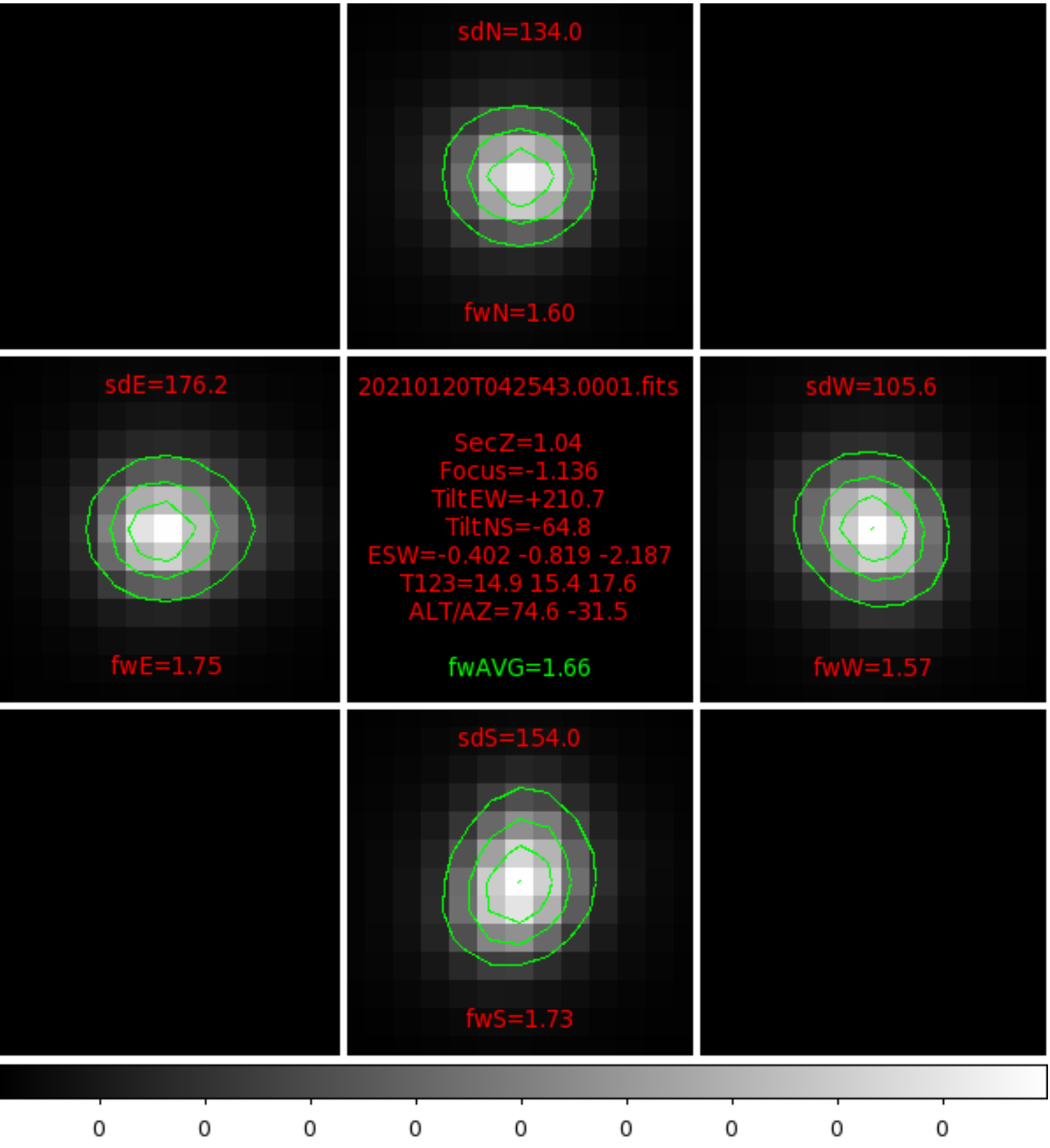
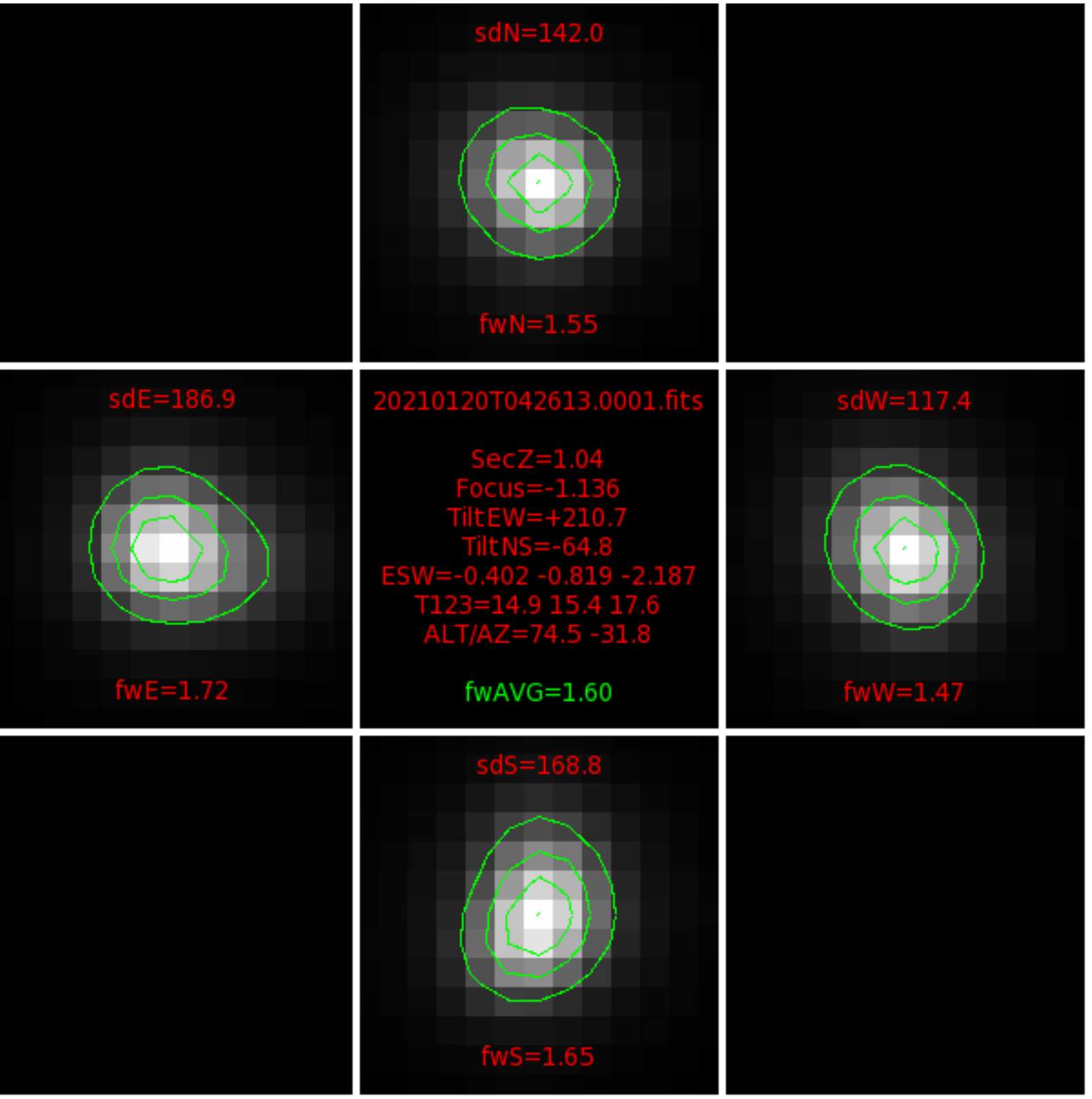

sdN=134.0
fwN=1.60
sdE=176.2
fwE=1.75
20210120T042543.0001.fits
SecZ=1.04
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.9 15.4 17.6
ALT/AZ=74.6 -31.5
fwAVG=1.66
sdW=105.6
fwW=1.57
sdS=154.0
fwS=1.73
0 0 0 0 0 0 0 0 0


sdN=142.0
fwN=1.55
sdE=186.9
fwE=1.72
20210120T042613.0001.fits
SecZ=1.04
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.9 15.4 17.6
ALT/AZ=74.5 -31.8
fwAVG=1.60
sdW=117.4
fwW=1.47
sdS=168.8
fwS=1.65
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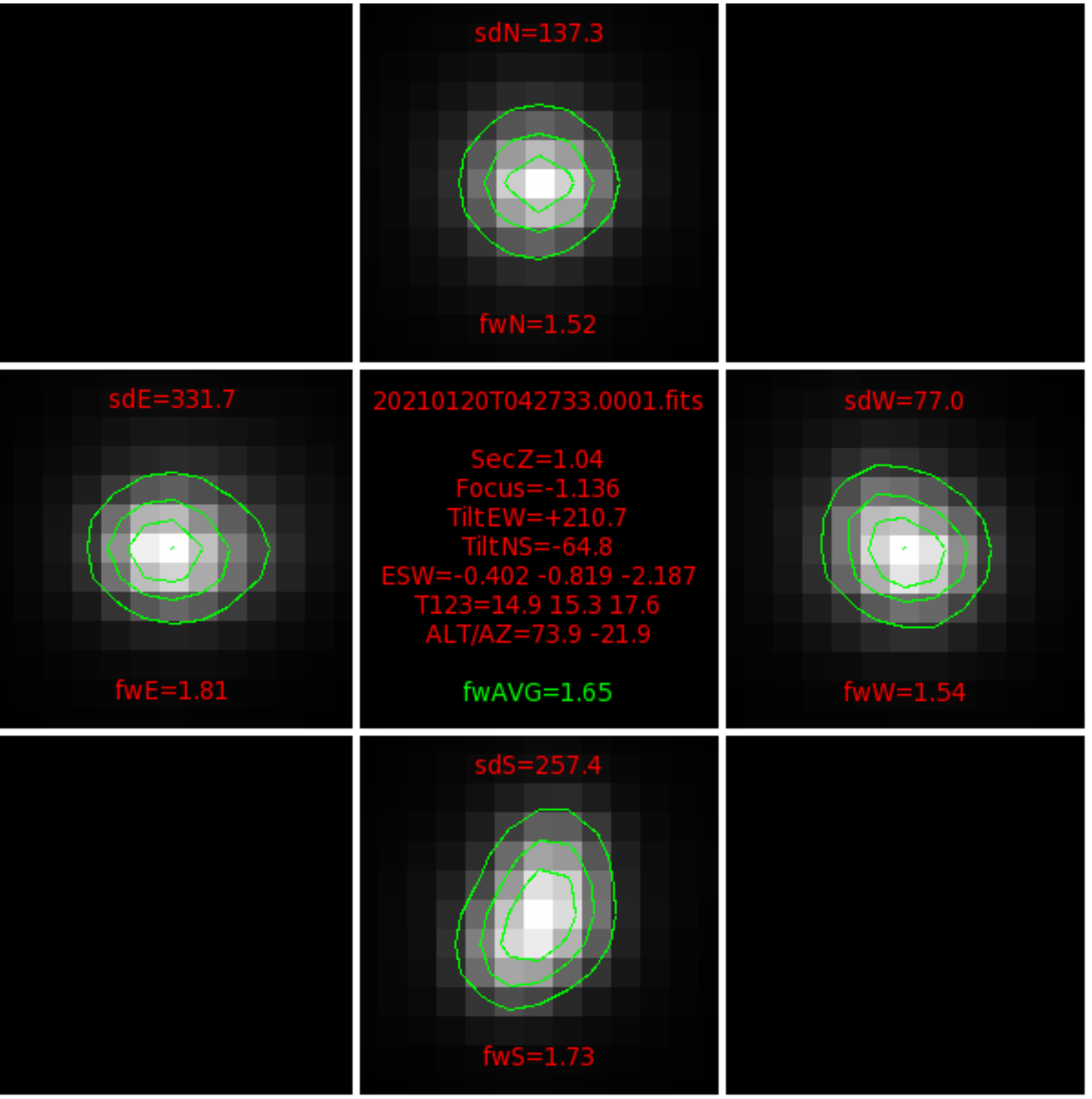
sdN=137.3
fwN=1.52
sdE=331.7
fwE=1.81
20210120T042733.0001.fits
SecZ=1.04
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.9 15.3 17.6
ALT/AZ=73.9 -21.9
fwAVG=1.65
sdW=77.0
fwW=1.54
sdS=257.4
fwS=1.73
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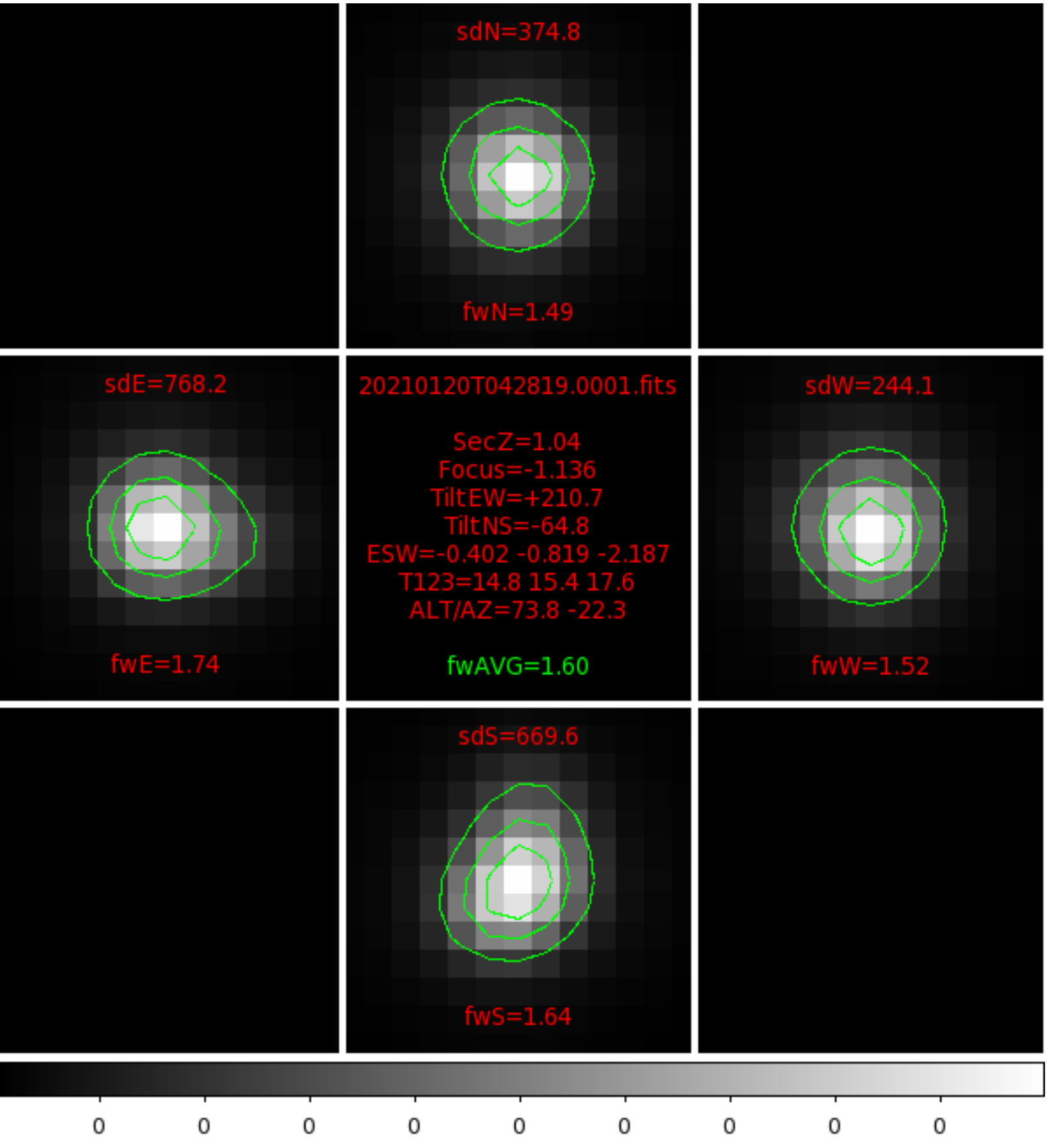
sdN=374.8
fwN=1.49
sdE=768.2
fwE=1.74
20210120T042819.0001.fits
SecZ=1.04
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.4 17.6
ALT/AZ=73.8 -22.3
fwAVG=1.60
sdW=244.1
fwW=1.52
sdS=669.6
fwS=1.64
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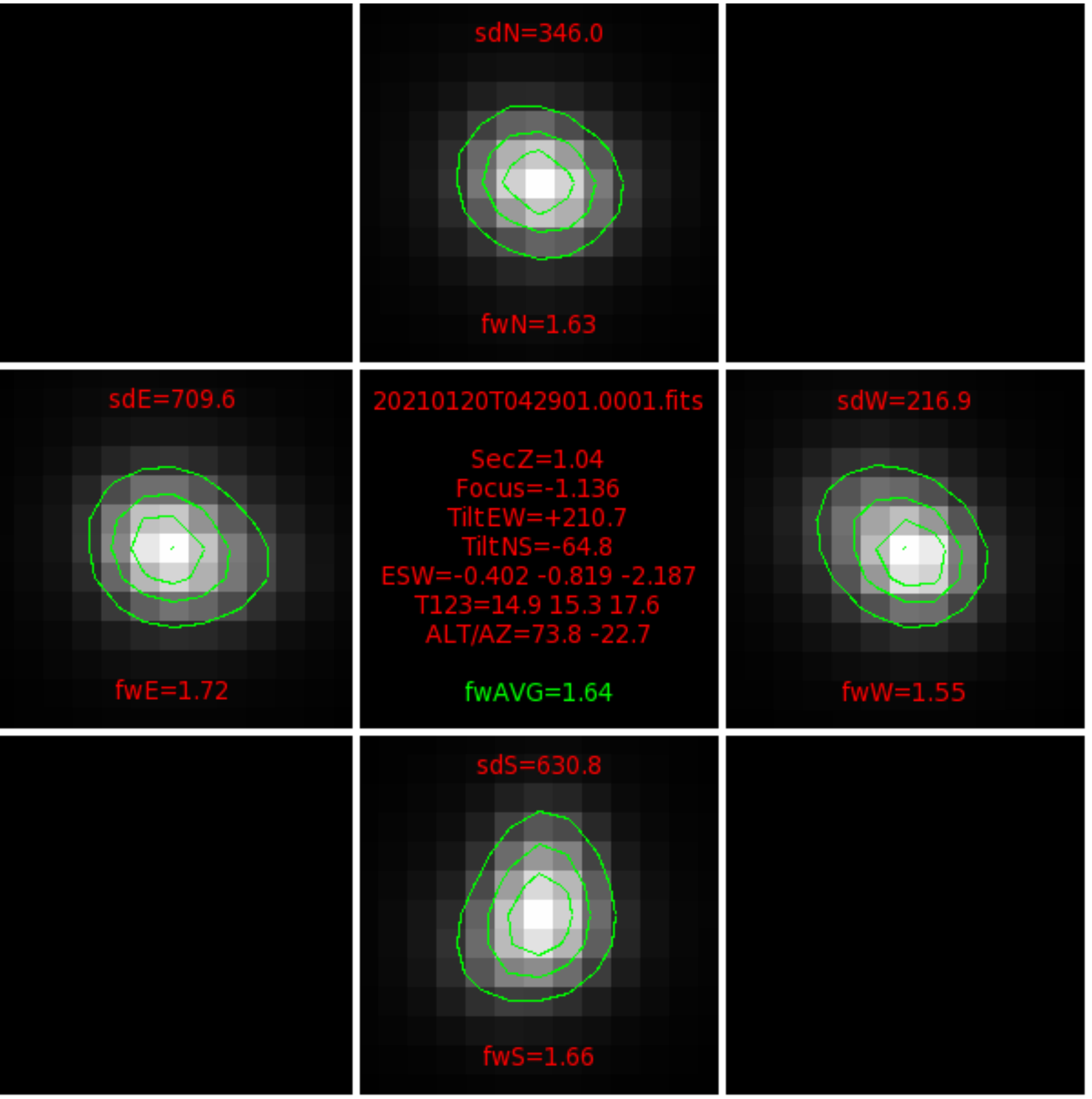
sdN=346.0
fwN=1.63
sdE=709.6
fwE=1.72
20210120T042901.0001.fits
SecZ=1.04
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.9 15.3 17.6
ALT/AZ=73.8 -22.7
fwAVG=1.64
sdW=216.9
fwW=1.55
sdS=630.8
fwS=1.66
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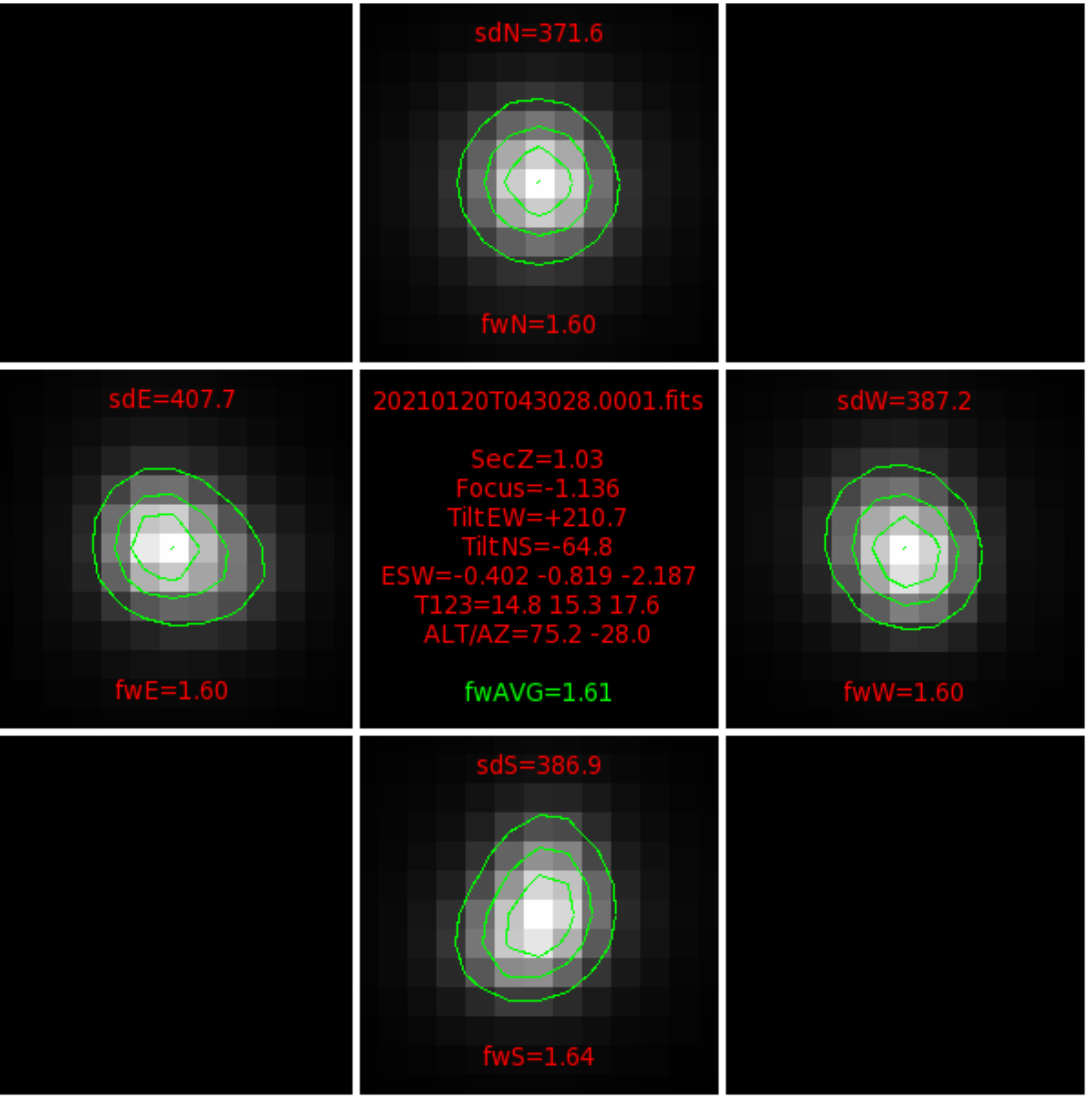
sdN=371.6
fwN=1.60
sdE=407.7
fwE=1.60
20210120T043028.0001.fits
SecZ=1.03
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.6
ALT/AZ=75.2 -28.0
fwAVG=1.61
sdW=387.2
fwW=1.60
sdS=386.9
fwS=1.64
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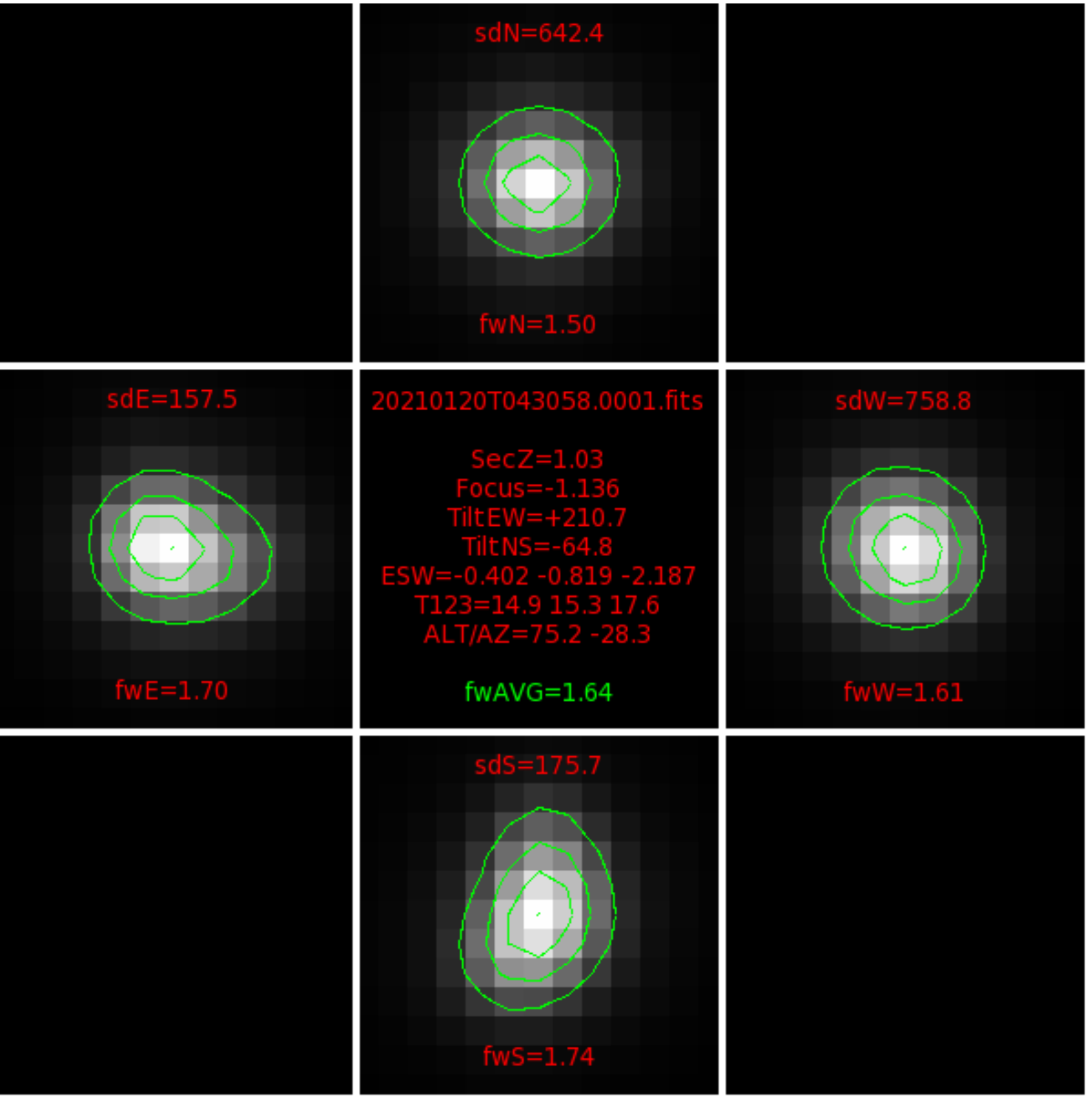
sdN=642.4
fwN=1.50
sdE=157.5
fwE=1.70
20210120T043058.0001.fits
SecZ=1.03
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.9 15.3 17.6
ALT/AZ=75.2 -28.3
fwAVG=1.64
sdW=758.8
fwW=1.61
sdS=175.7
fwS=1.74
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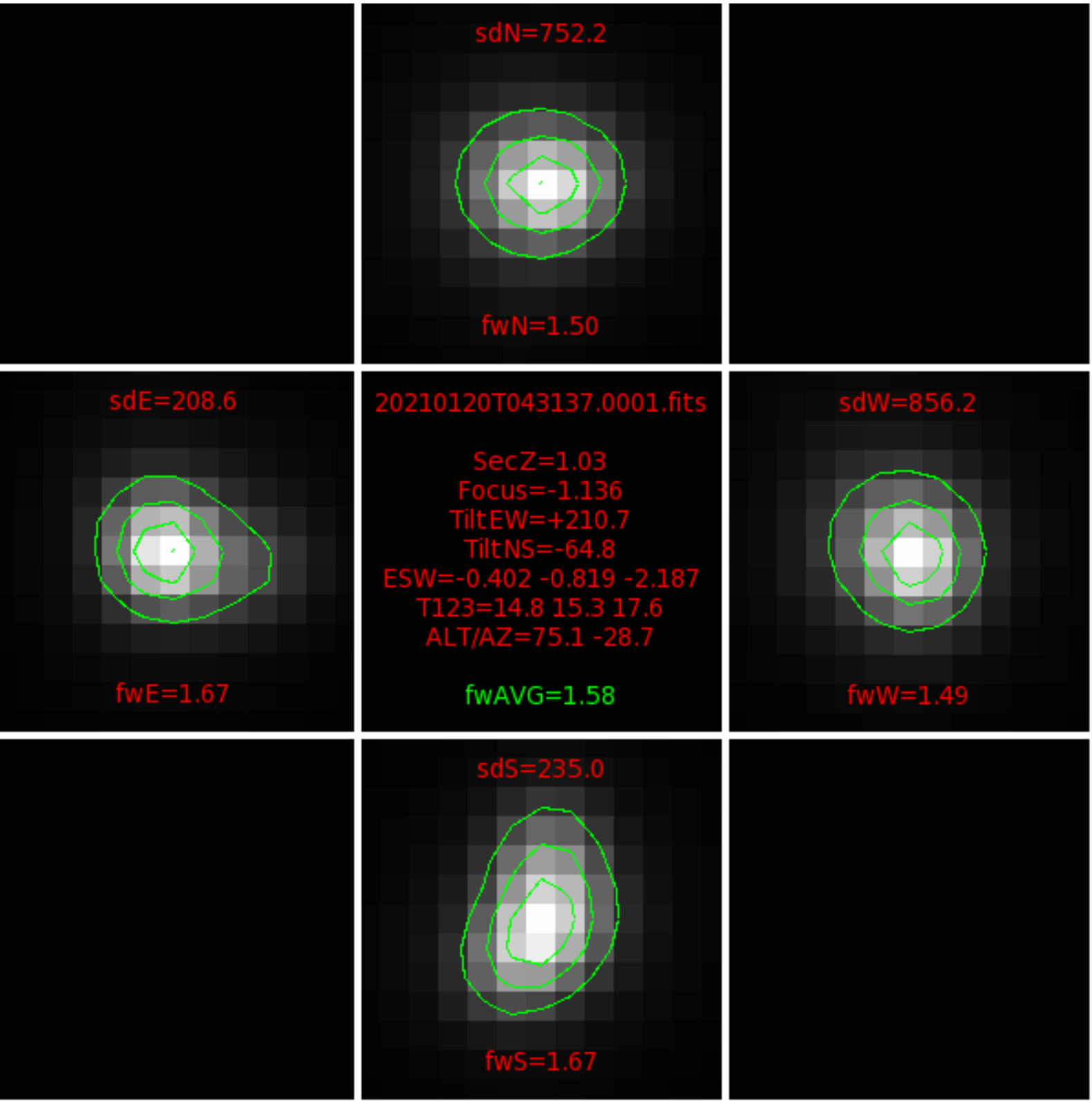
sdN=752.2
fwN=1.50
sdE=208.6
fwE=1.67
20210120T043137.0001.fits
SecZ=1.03
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.6
ALT/AZ=75.1 -28.7
fwAVG=1.58
sdW=856.2
fwW=1.49
sdS=235.0
fwS=1.67
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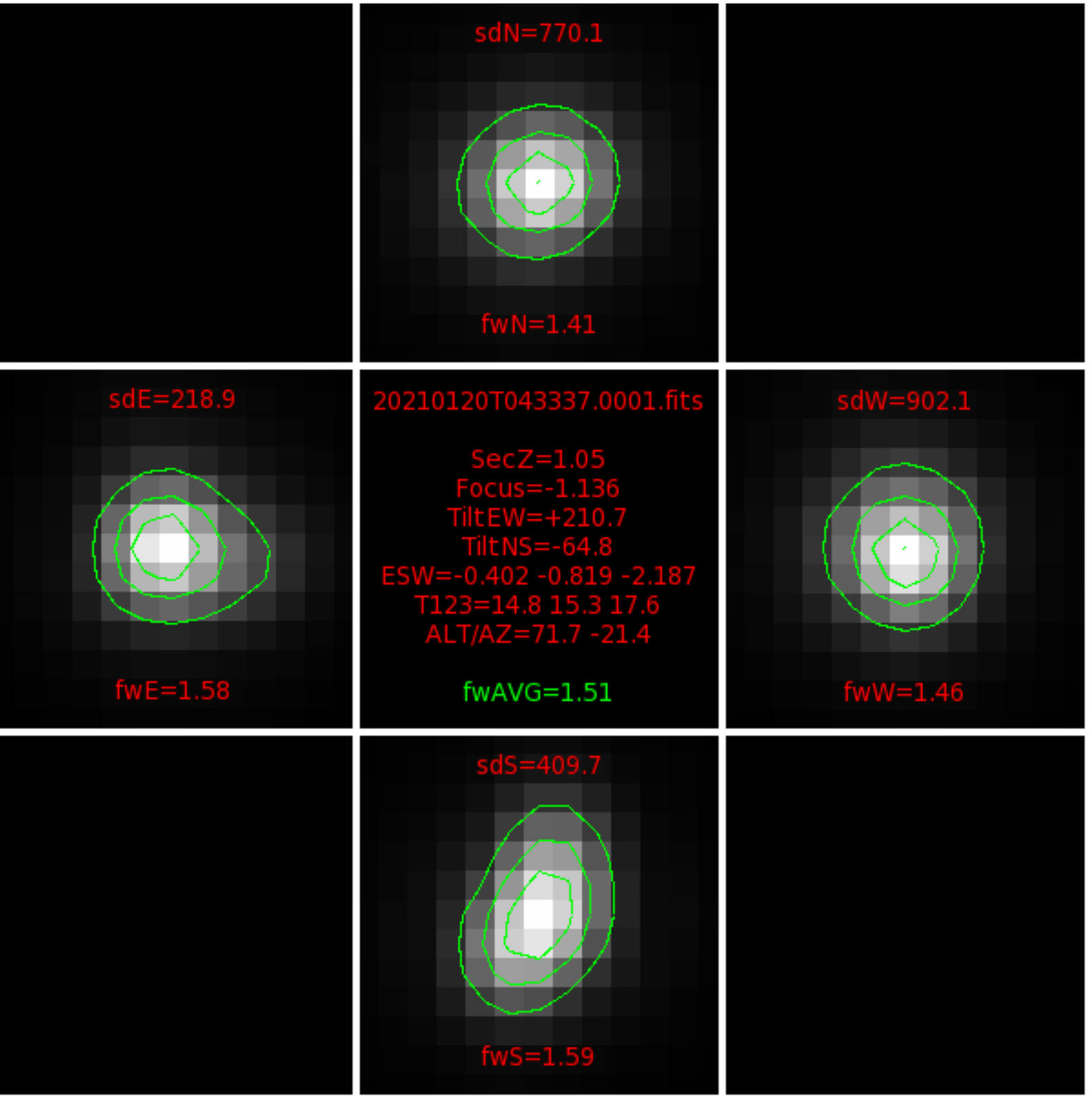
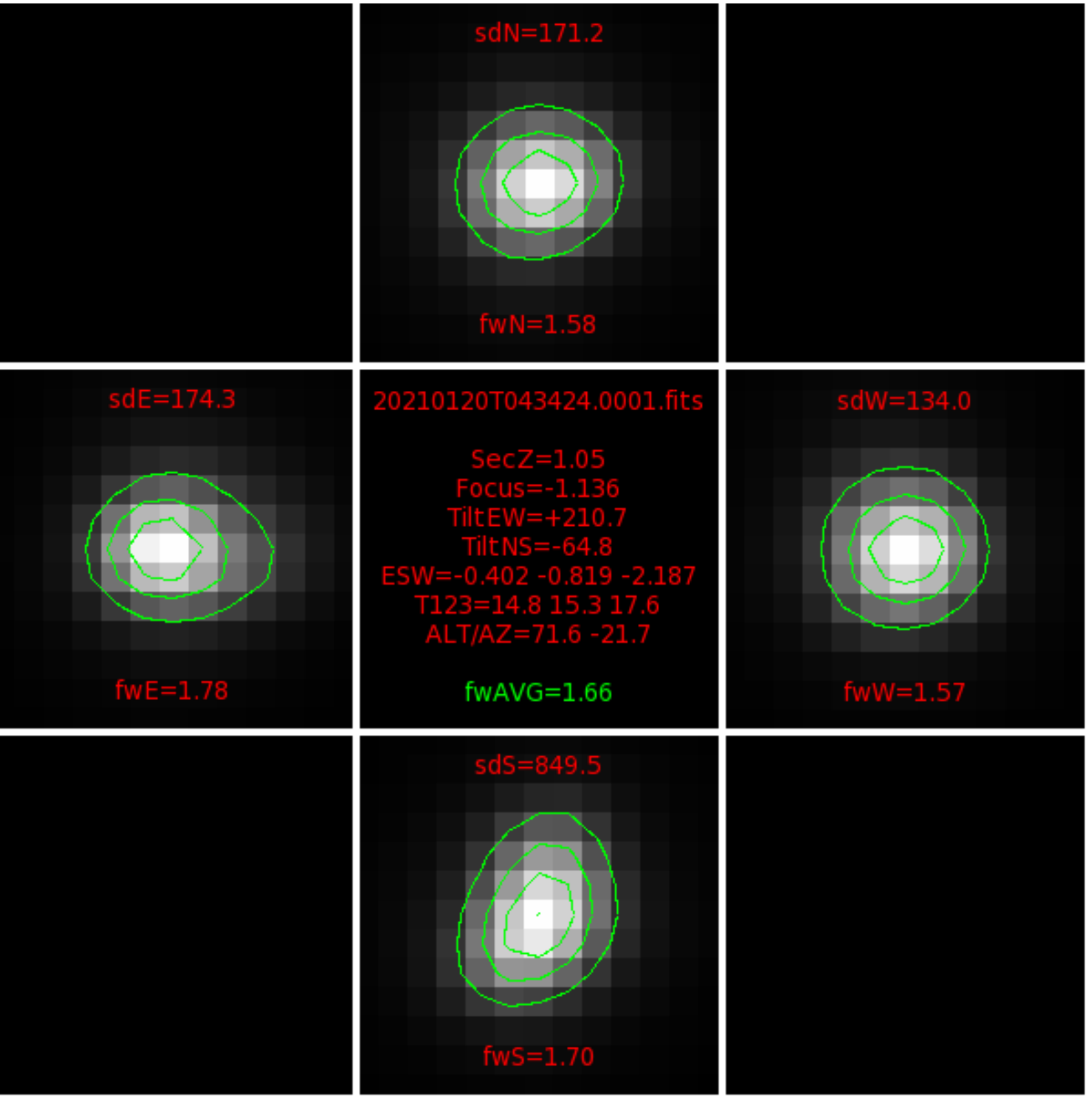

sdN=770.1
fwN=1.41
sdE=218.9
fwE=1.58
20210120T043337.0001.fits
SecZ=1.05
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.6
ALT/AZ=71.7 -21.4
fwAVG=1.51
sdW=902.1
fwW=1.46
sdS=409.7
fwS=1.59
0 0 0 0 0 0 0 0 0


sdN=171.2
fwN=1.58
sdE=174.3
fwE=1.78
20210120T043424.0001.fits
SecZ=1.05
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.6
ALT/AZ=71.6 -21.7
fwAVG=1.66
sdW=134.0
fwW=1.57
sdS=849.5
fwS=1.70
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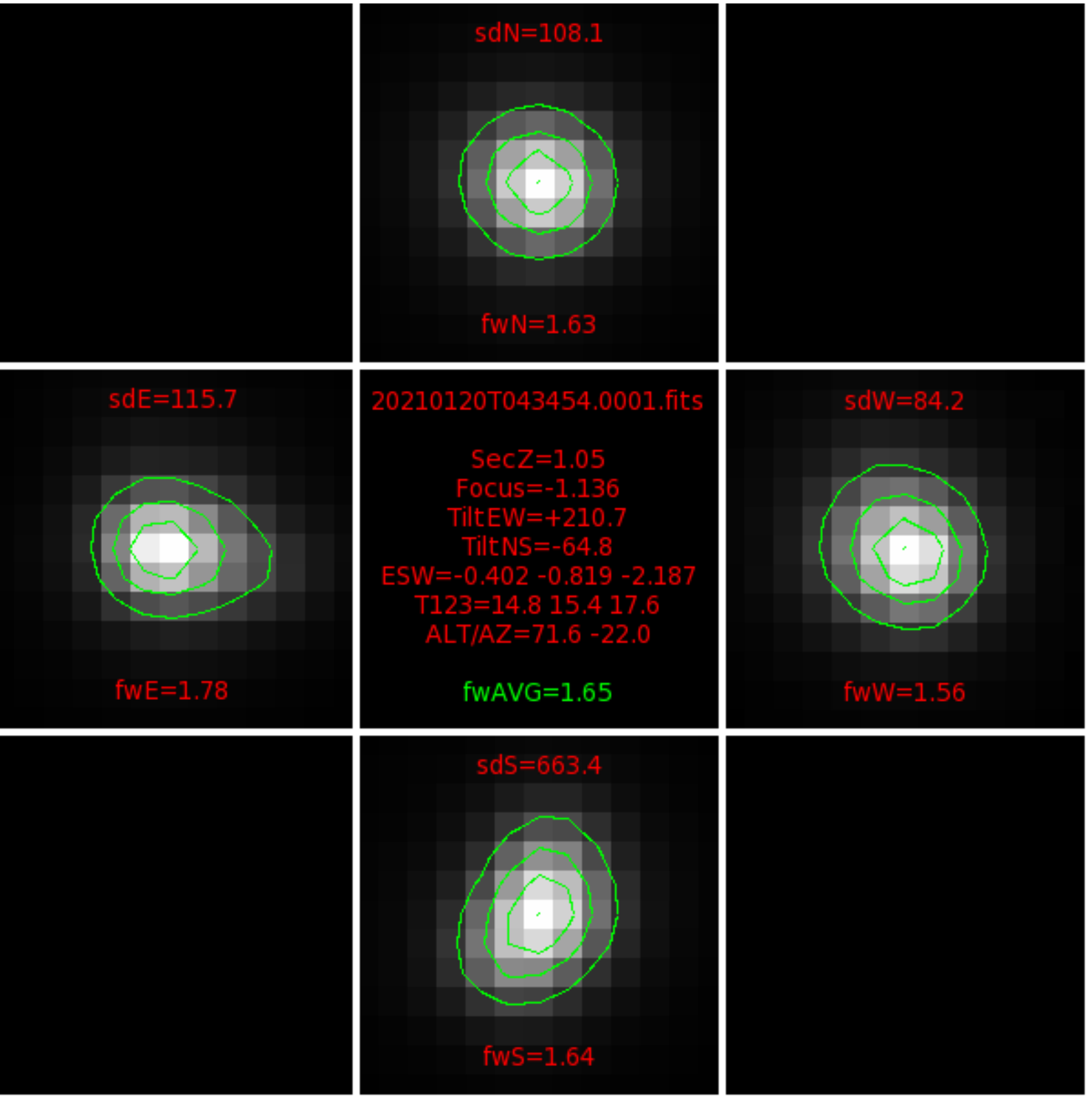
sdN=108.1
fwN=1.63
sdE=115.7
fwE=1.78
20210120T043454.0001.fits
SecZ=1.05
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.4 17.6
ALT/AZ=71.6 -22.0
fwAVG=1.65
sdW=84.2
fwW=1.56
sdS=663.4
fwS=1.64
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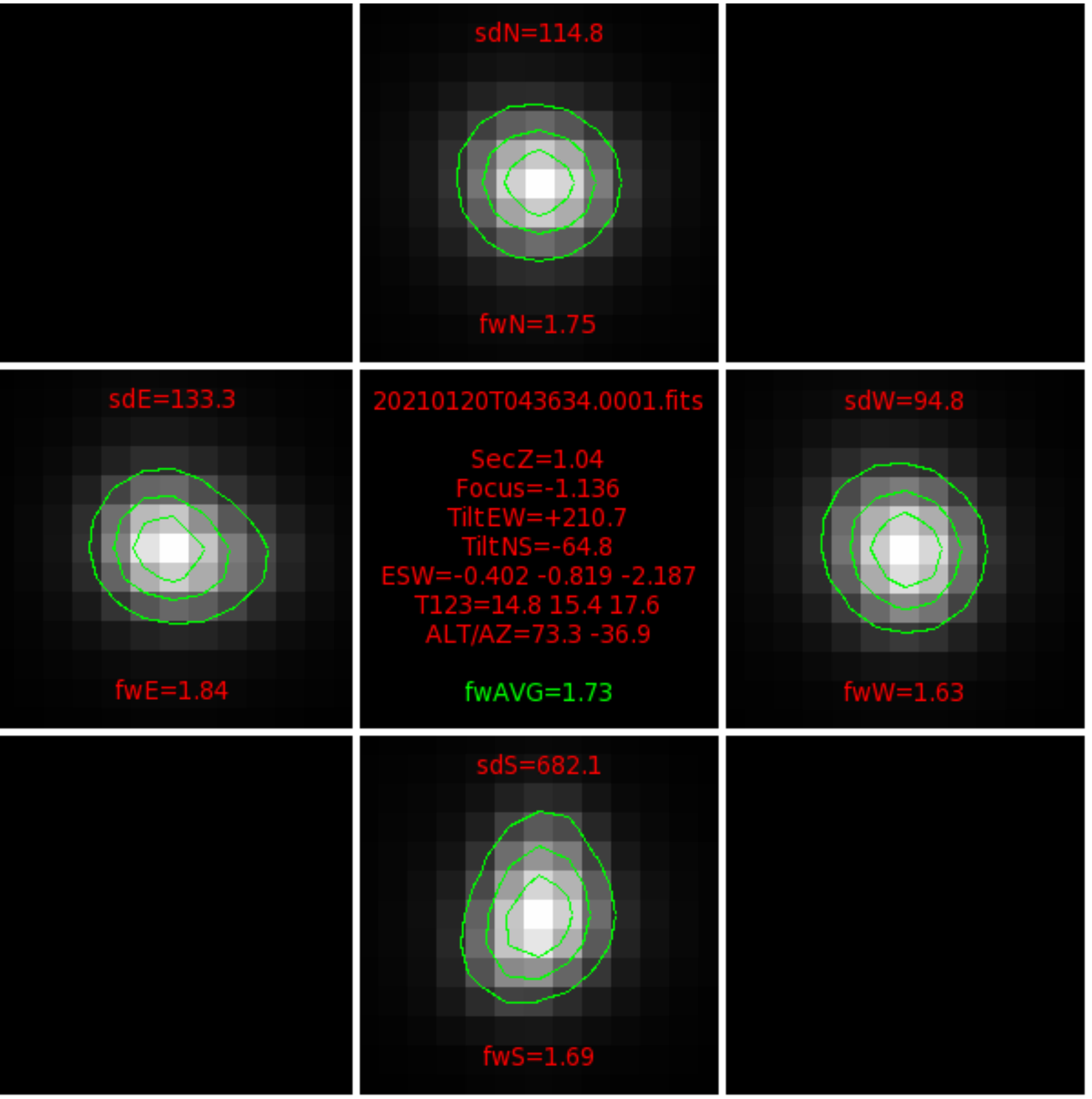
sdN=114.8
fwN=1.75
sdE=133.3
fwE=1.84
20210120T043634.0001.fits
SecZ=1.04
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.4 17.6
ALT/AZ=73.3 -36.9
fwAVG=1.73
sdW=94.8
fwW=1.63
sdS=682.1
fwS=1.69
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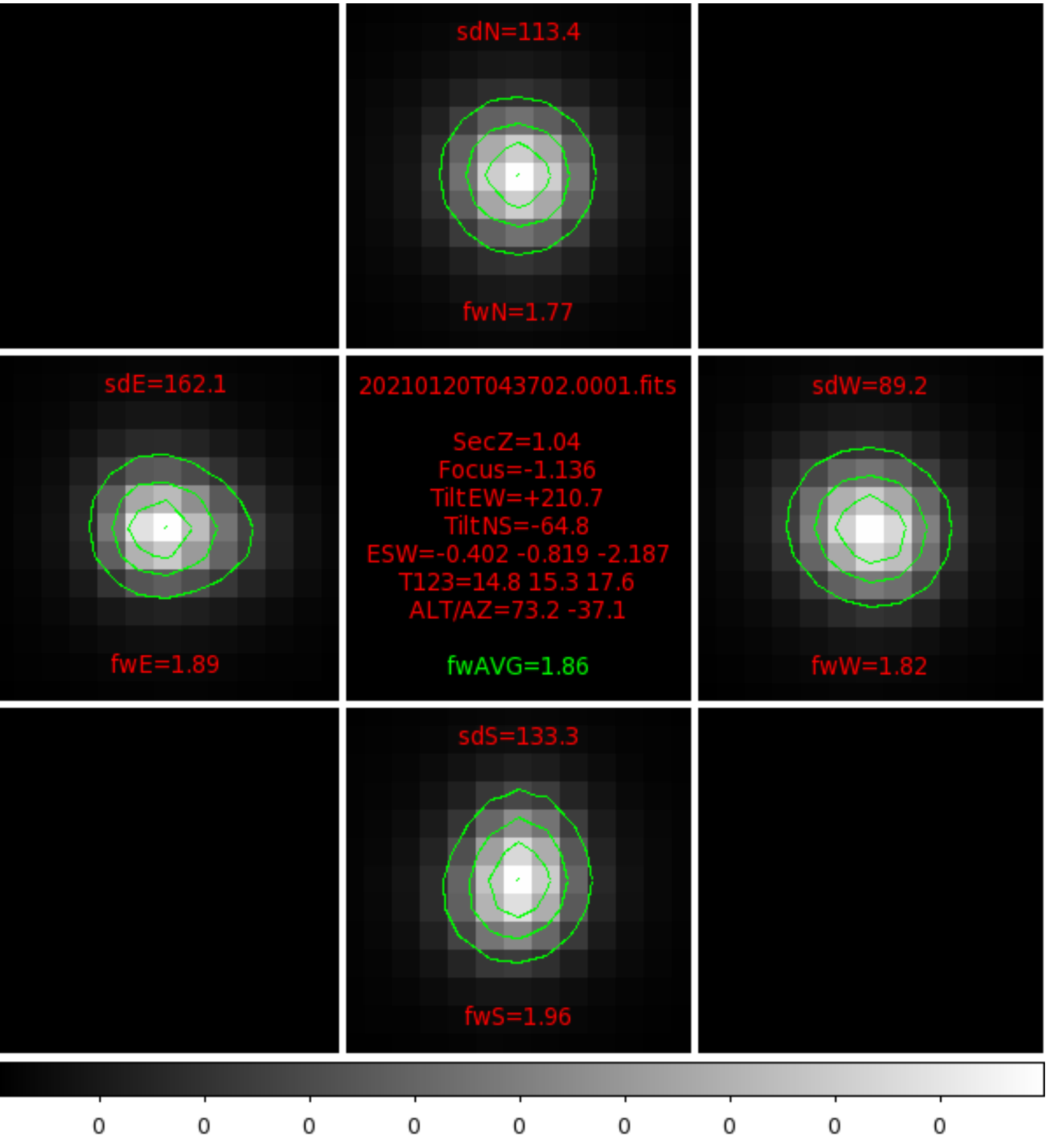
sdN=113.4
fwN=1.77
sdE=162.1
fwE=1.89
20210120T043702.0001.fits
SecZ=1.04
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.6
ALT/AZ=73.2 -37.1
fwAVG=1.86
sdW=89.2
fwW=1.82
sdS=133.3
fwS=1.96
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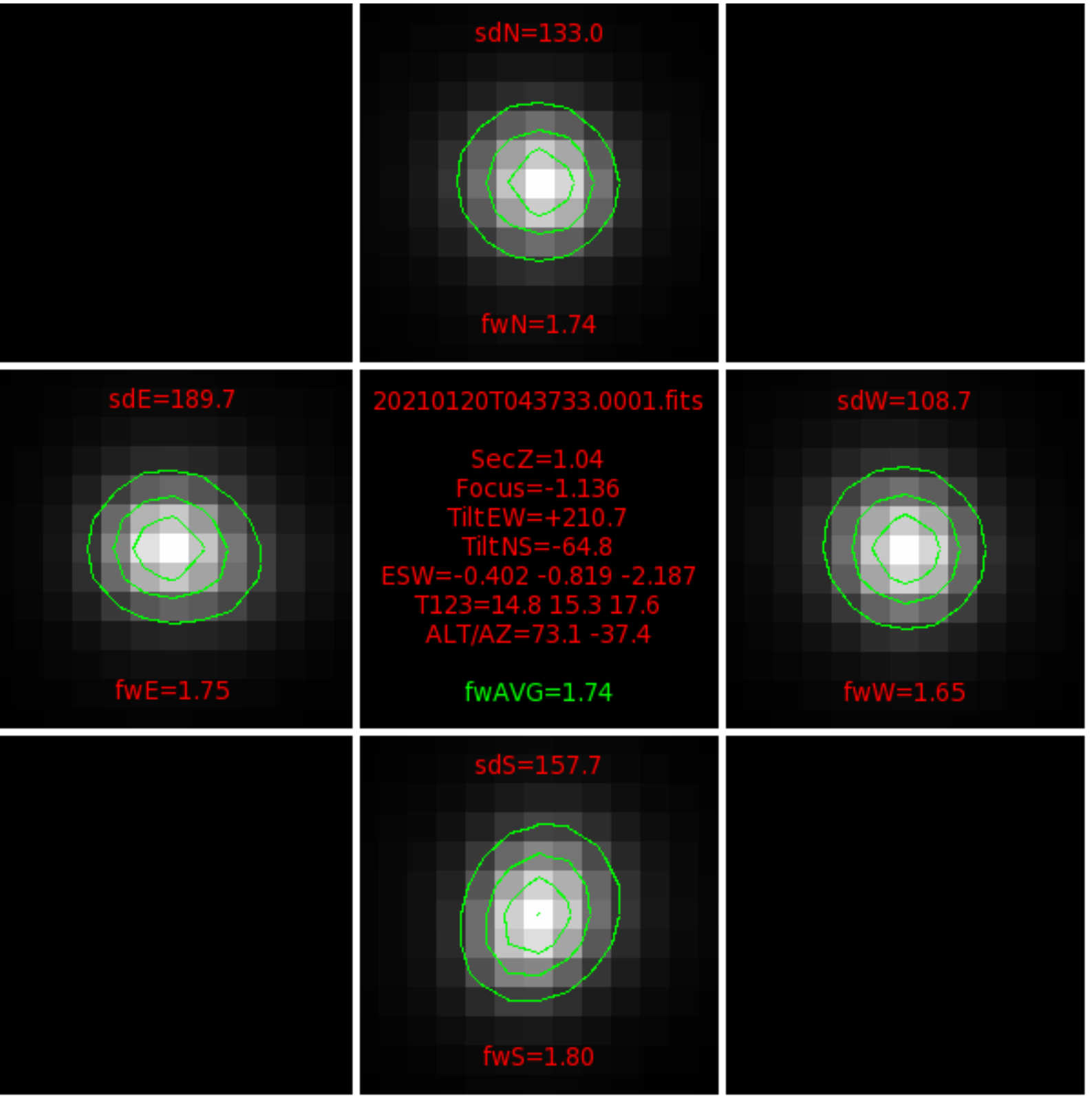
sdN=133.0
fwN=1.74
sdE=189.7
fwE=1.75
20210120T043733.0001.fits
SecZ=1.04
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.6
ALT/AZ=73.1 -37.4
fwAVG=1.74
sdW=108.7
fwW=1.65
sdS=157.7
fwS=1.80
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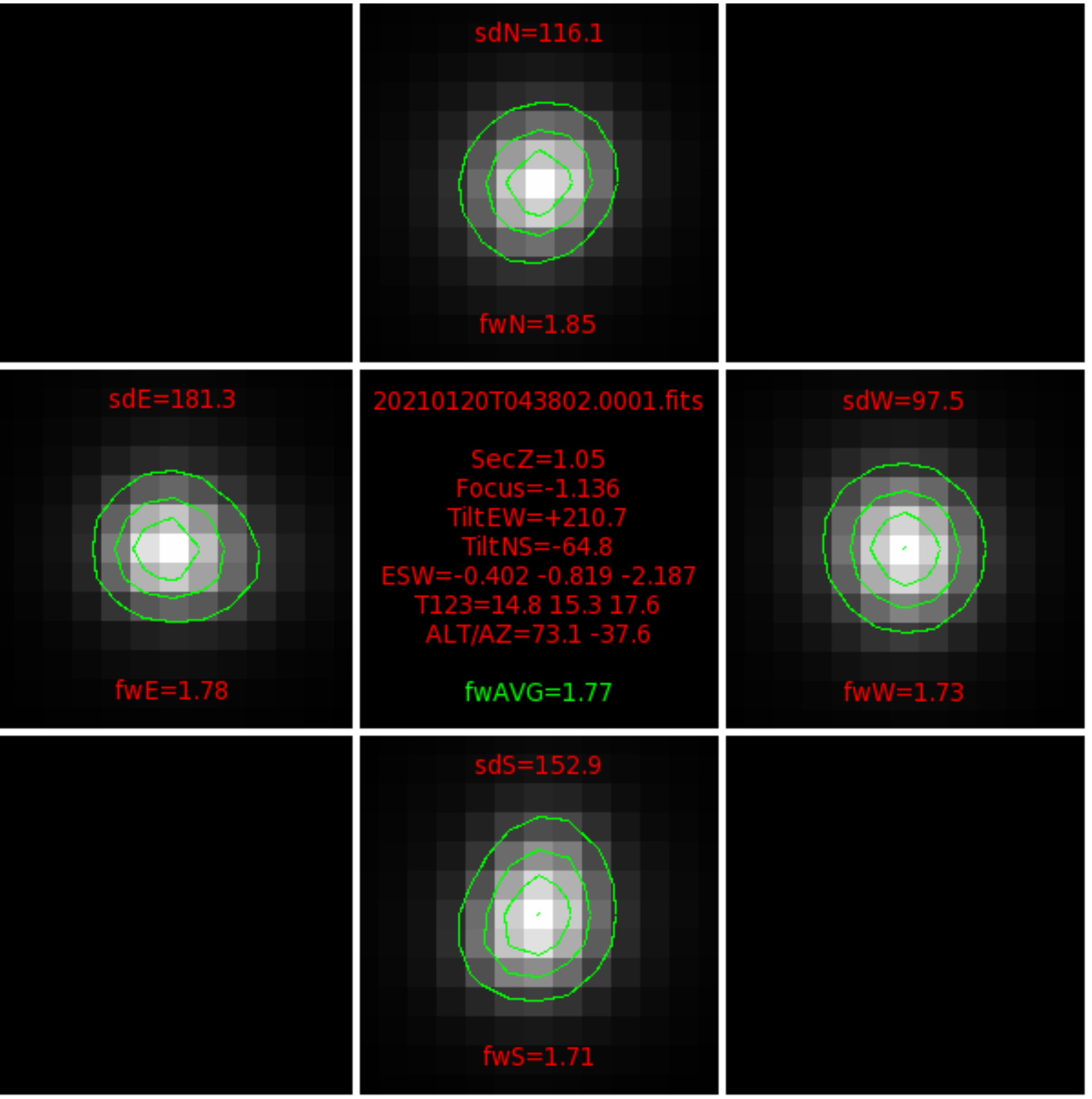
sdN=116.1
fwN=1.85
sdE=181.3
fwE=1.78
20210120T043802.0001.fits
SecZ=1.05
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.6
ALT/AZ=73.1 -37.6
fwAVG=1.77
sdW=97.5
fwW=1.73
sdS=152.9
fwS=1.71
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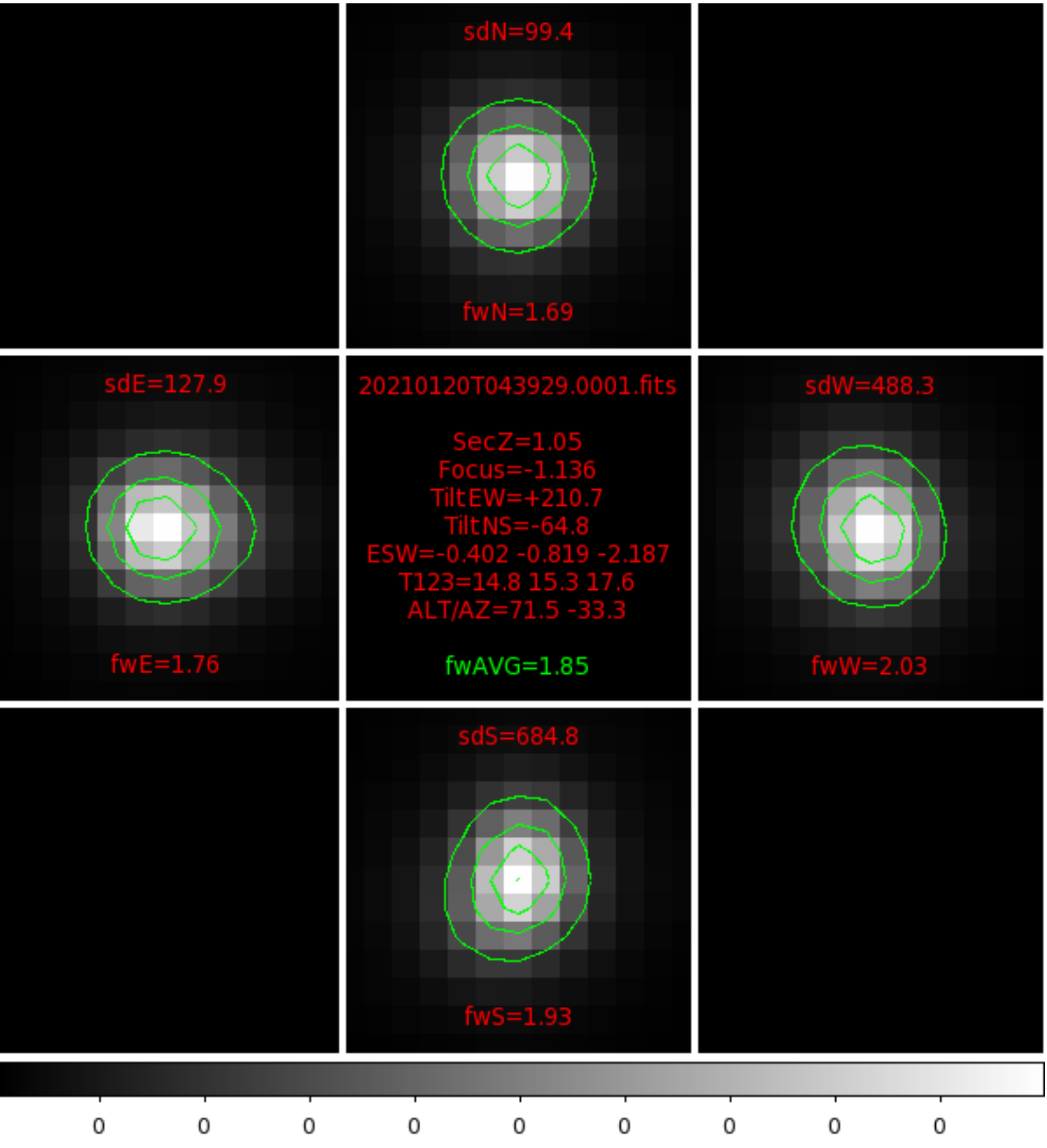
sdN=99.4
fwN=1.69
sdE=127.9
fwE=1.76
20210120T043929.0001.fits
SecZ=1.05
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.6
ALT/AZ=71.5 -33.3
fwAVG=1.85
sdW=488.3
fwW=2.03
sdS=684.8
fwS=1.93
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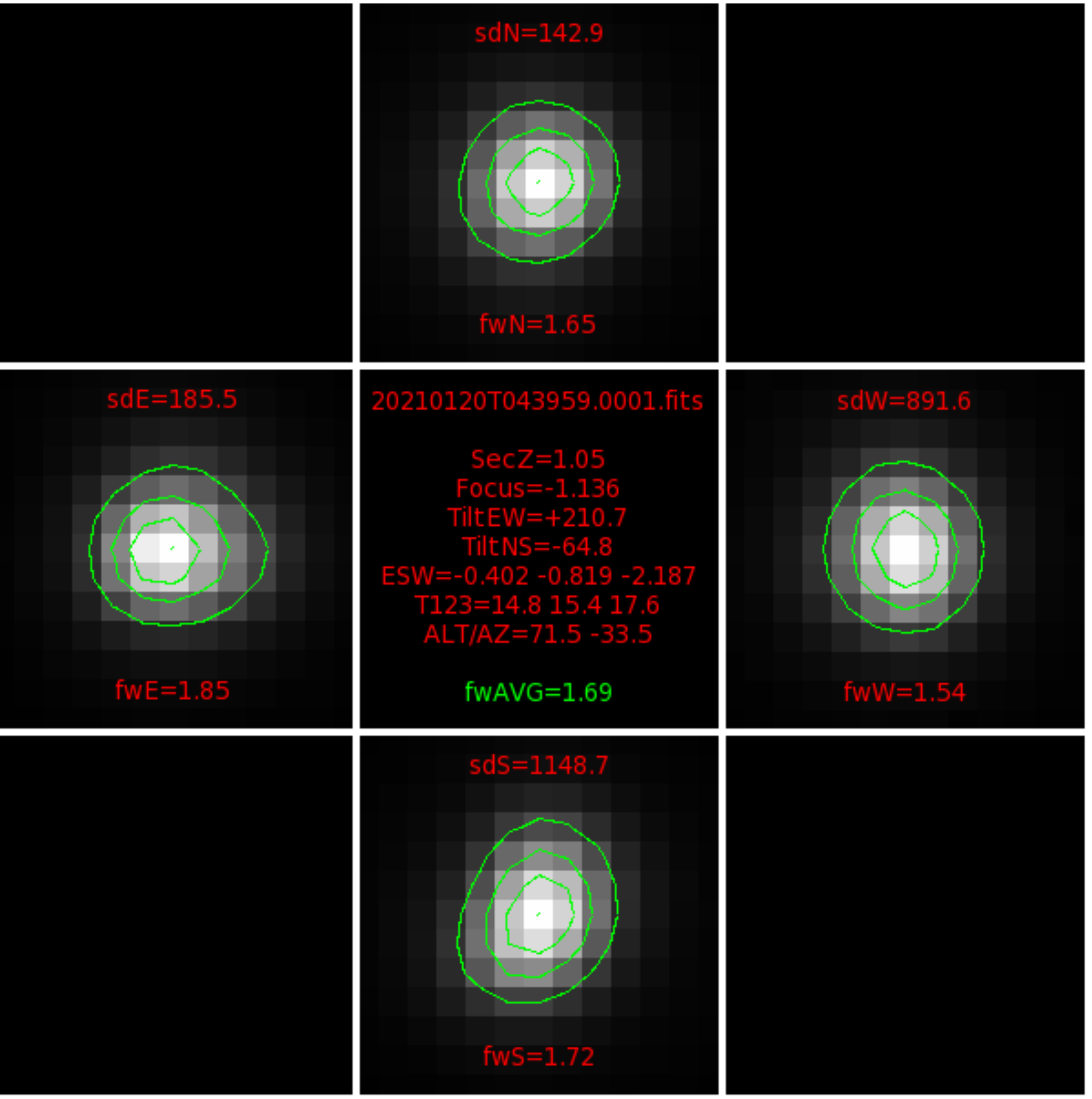
sdN=142.9
fwN=1.65
sdE=185.5
fwE=1.85
20210120T043959.0001.fits
SecZ=1.05
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.4 17.6
ALT/AZ=71.5 -33.5
fwAVG=1.69
sdW=891.6
fwW=1.54
sdS=1148.7
fwS=1.72
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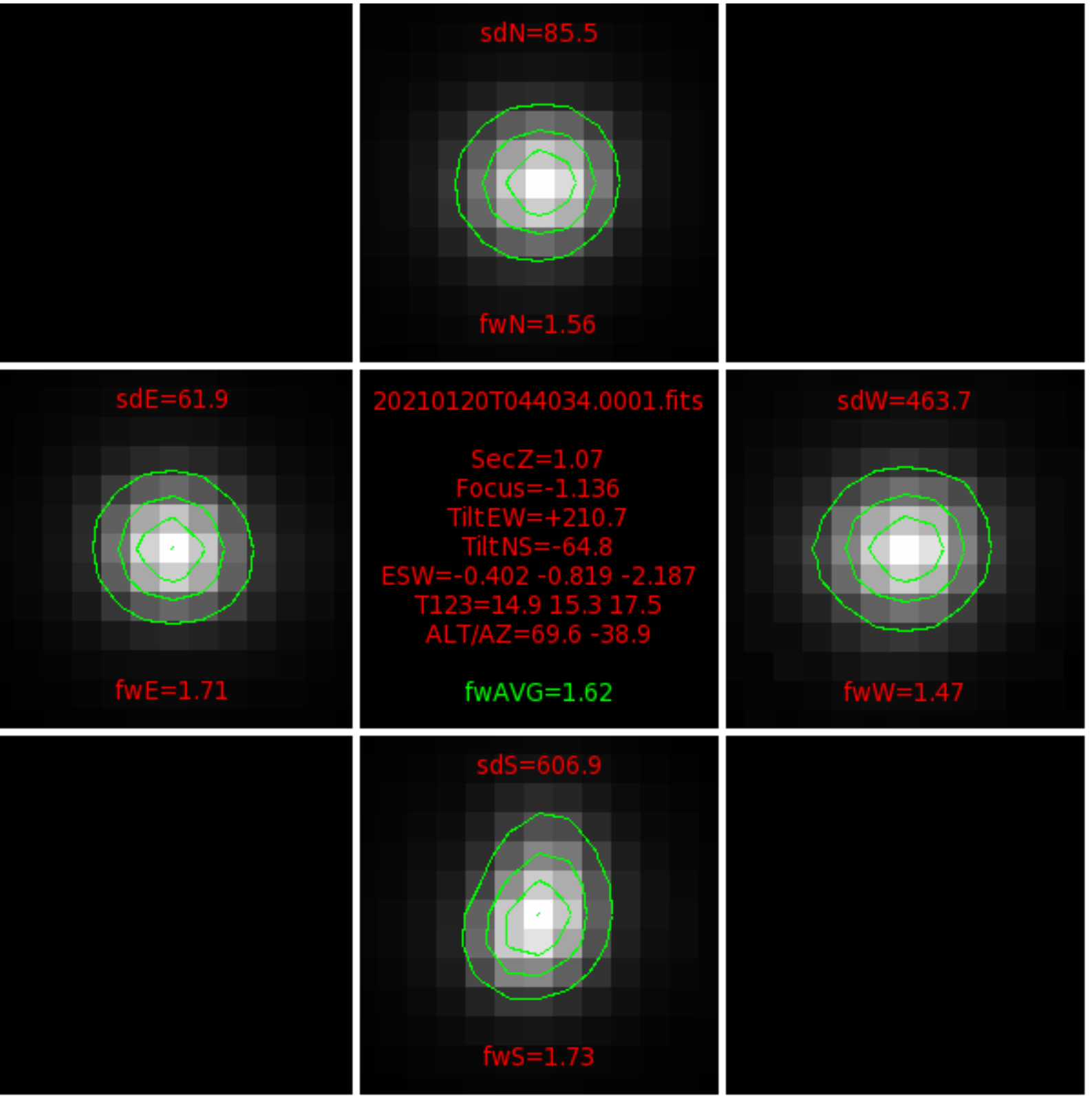
sdN=85.5
fwN=1.56
sdE=61.9
fwE=1.71
20210120T044034.0001.fits
SecZ=1.07
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.9 15.3 17.5
ALT/AZ=69.6 -38.9
fwAVG=1.62
sdW=463.7
fwW=1.47
sdS=606.9
fwS=1.73
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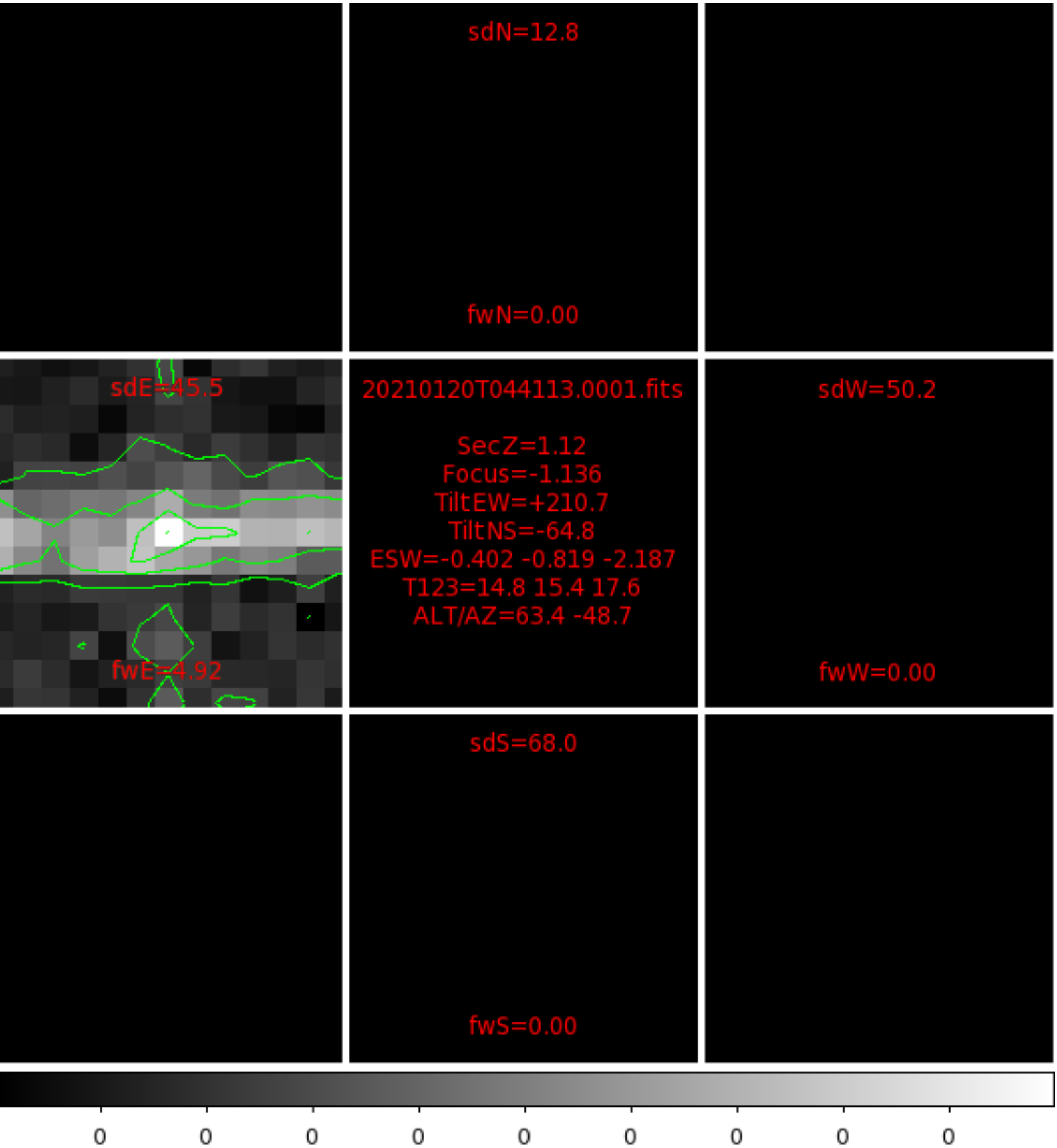
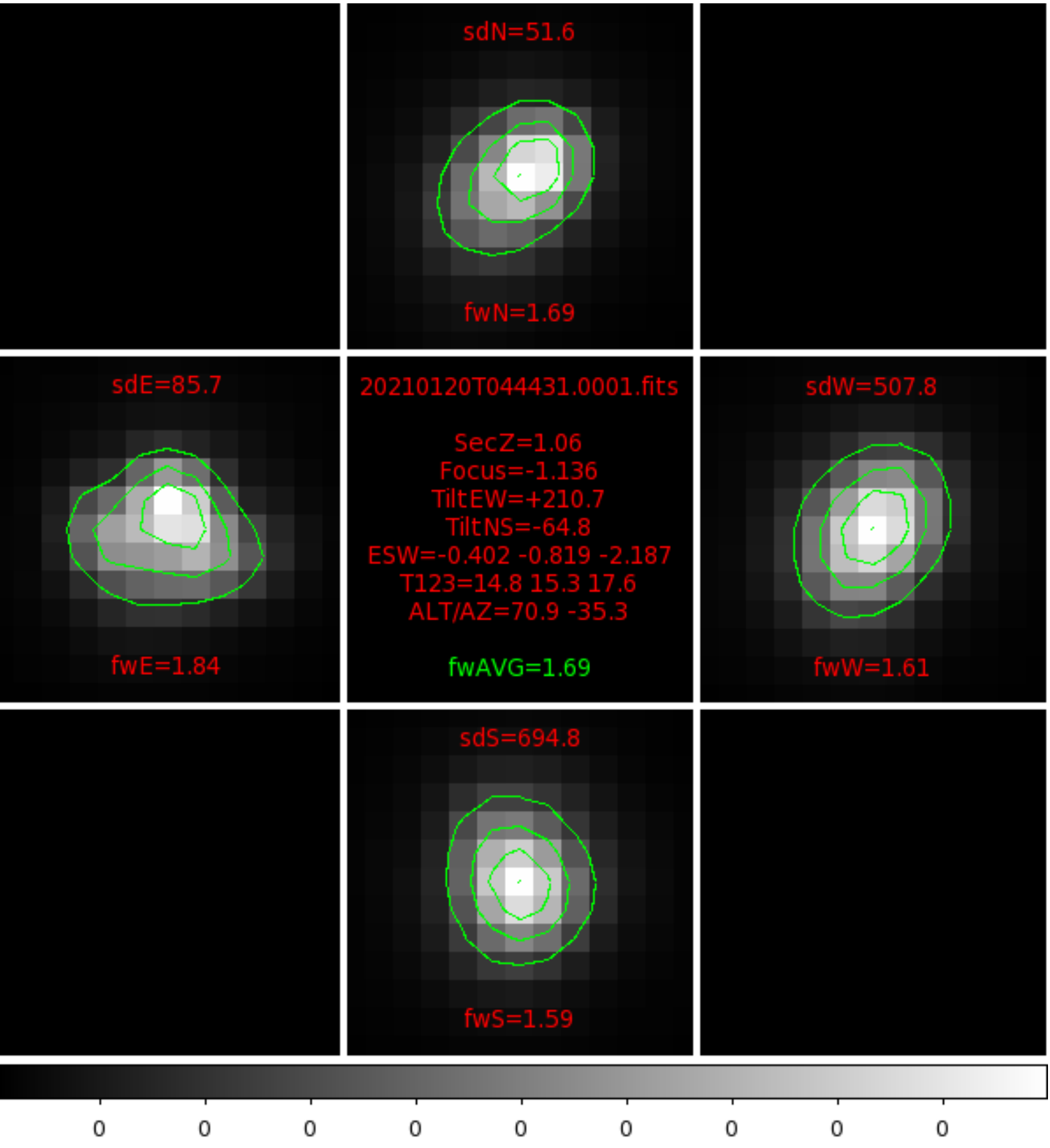

sdN=12.8
fwN=0.00
sdE=45.5
fwE=4.92
20210120T044113.0001.fits
SecZ=1.12
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.4 17.6
ALT/AZ=63.4 -48.7
sdW=50.2
fwW=0.00
sdS=68.0
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=51.6
fwN=1.69
sdE=85.7
fwE=1.84
20210120T044431.0001.fits
SecZ=1.06
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.6
ALT/AZ=70.9 -35.3
fwAVG=1.69
sdW=507.8
fwW=1.61
sdS=694.8
fwS=1.59
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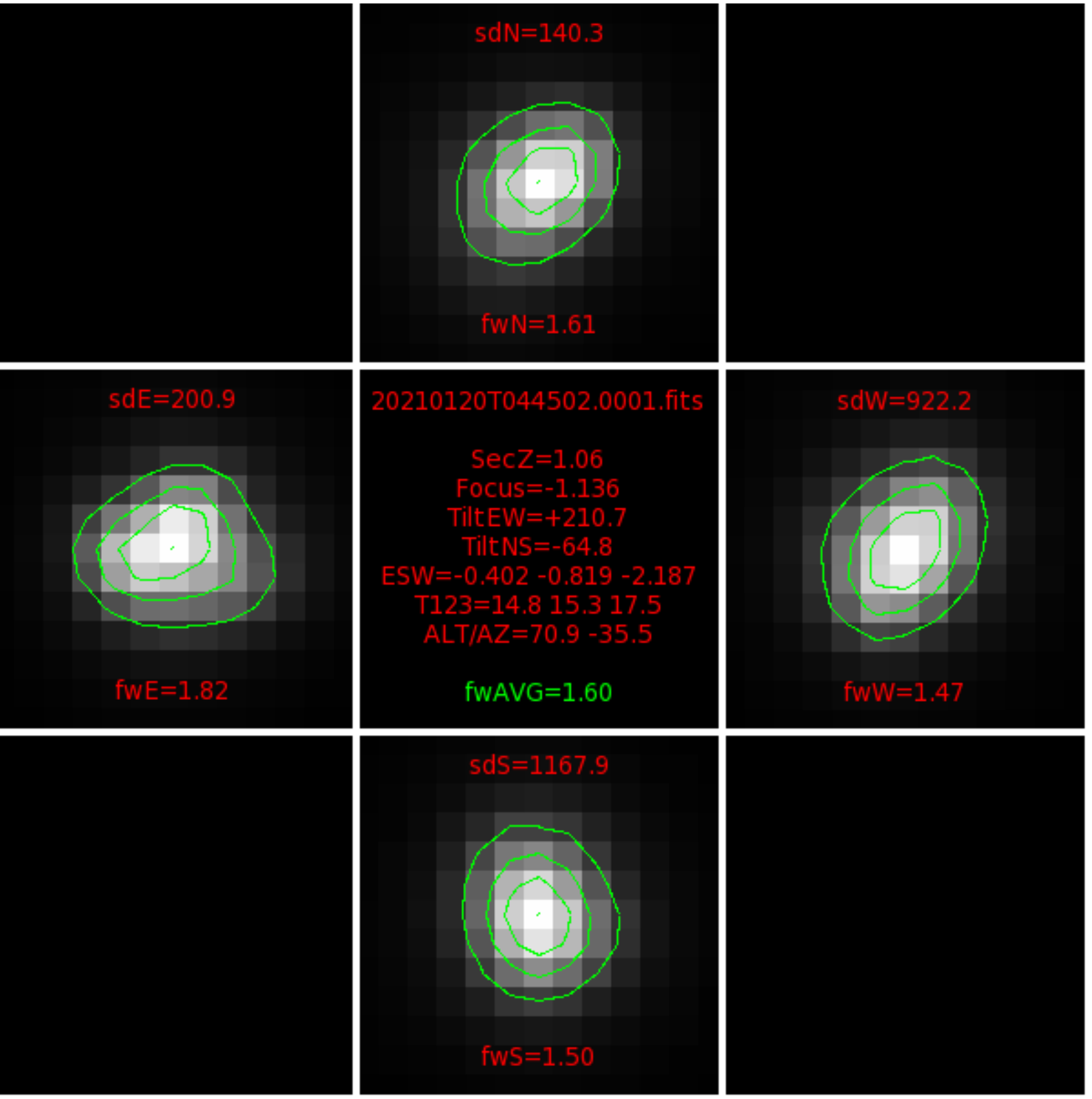
sdN=140.3
fwN=1.61
sdE=200.9
fwE=1.82
20210120T044502.0001.fits
SecZ=1.06
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.5
ALT/AZ=70.9 -35.5
fwAVG=1.60
sdW=922.2
fwW=1.47
sdS=1167.9
fwS=1.50
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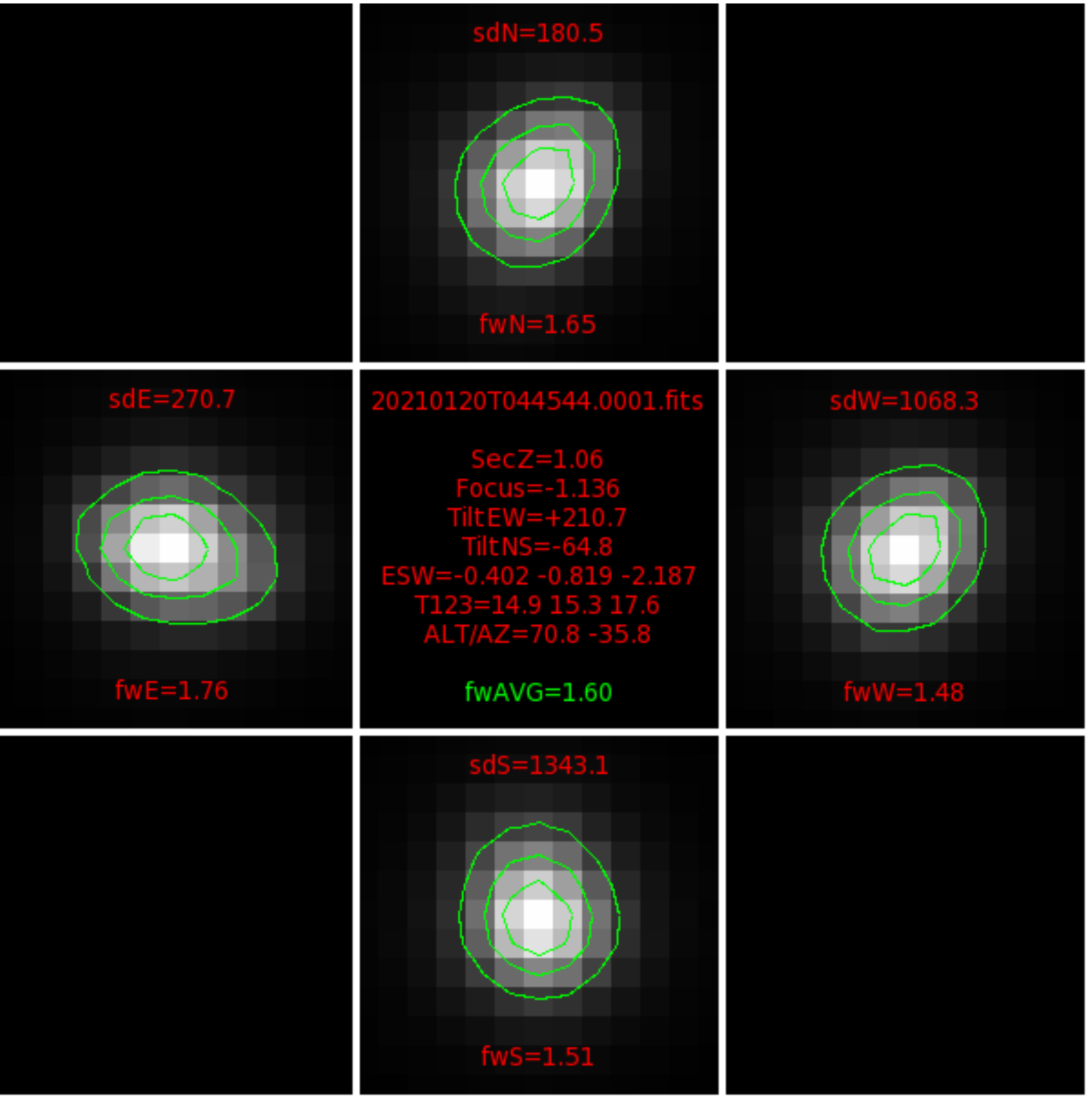
sdN=180.5
fwN=1.65
sdE=270.7
fwE=1.76
20210120T044544.0001.fits
SecZ=1.06
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.9 15.3 17.6
ALT/AZ=70.8 -35.8
fwAVG=1.60
sdW=1068.3
fwW=1.48
sdS=1343.1
fwS=1.51
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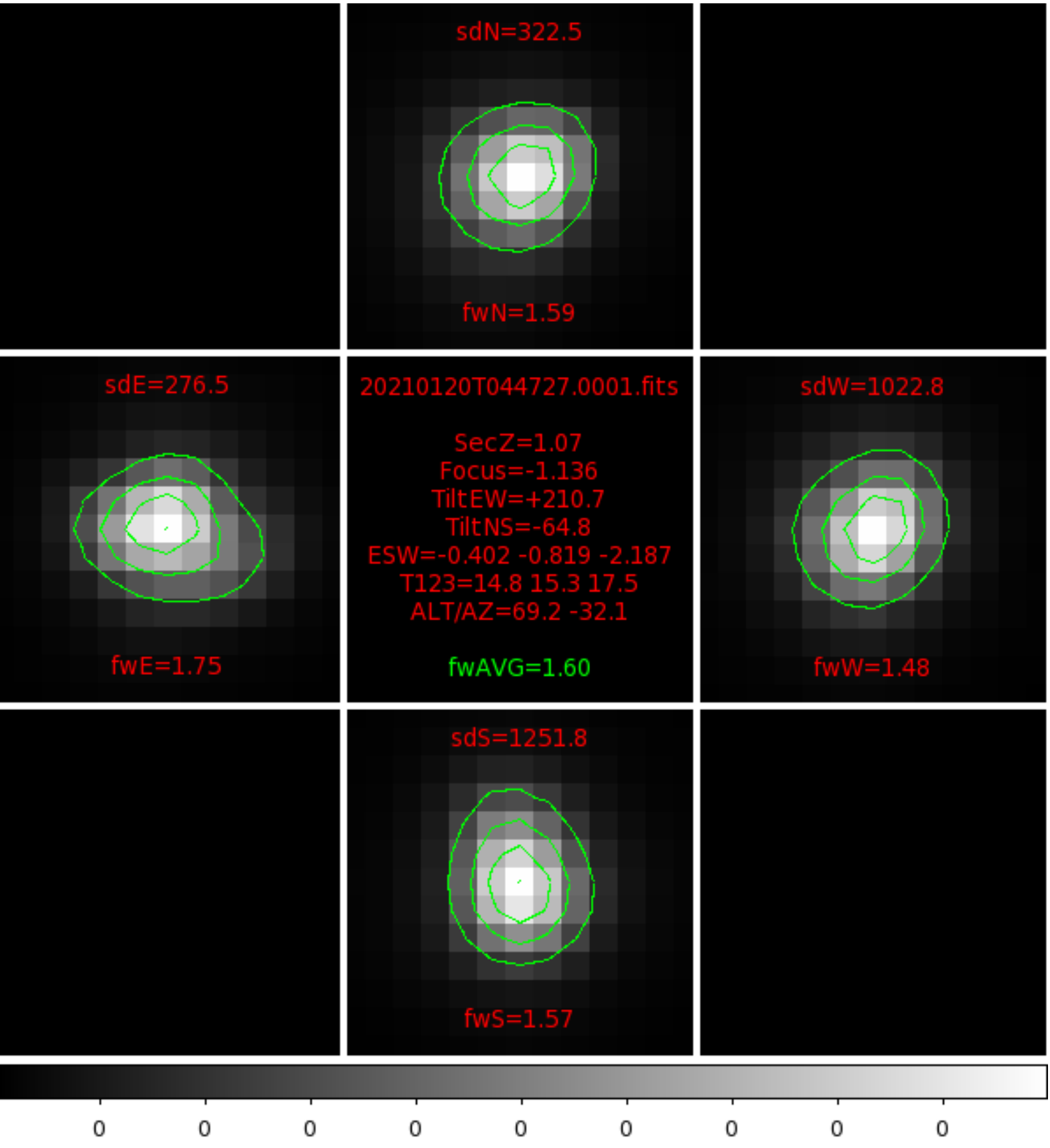
sdN=322.5
fwN=1.59
sdE=276.5
fwE=1.75
20210120T044727.0001.fits
SecZ=1.07
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.5
ALT/AZ=69.2 -32.1
fwAVG=1.60
sdW=1022.8
fwW=1.48
sdS=1251.8
fwS=1.57
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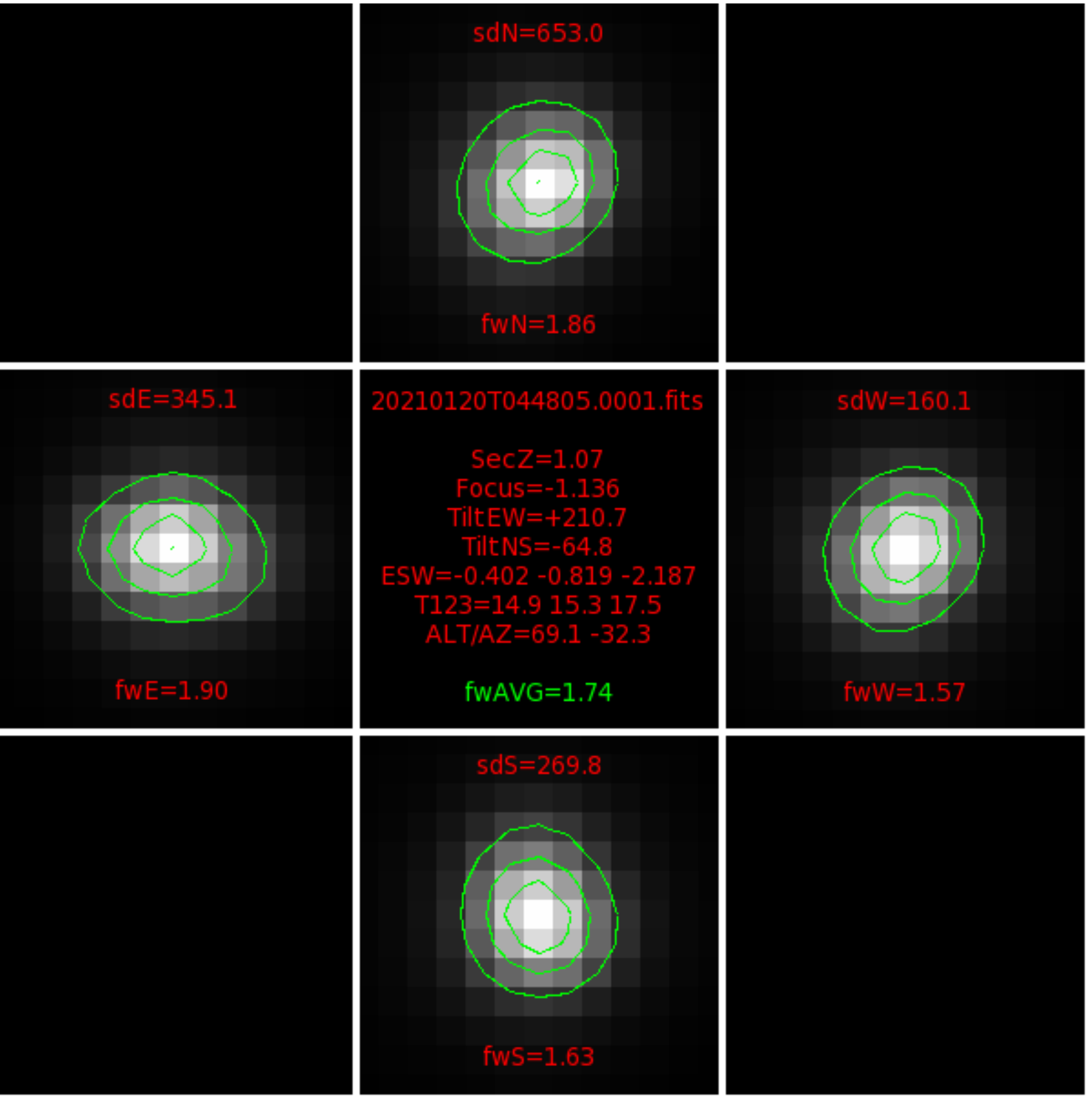
sdN=653.0
fwN=1.86
sdE=345.1
fwE=1.90
20210120T044805.0001.fits
SecZ=1.07
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.9 15.3 17.5
ALT/AZ=69.1 -32.3
fwAVG=1.74
sdW=160.1
fwW=1.57
sdS=269.8
fwS=1.63
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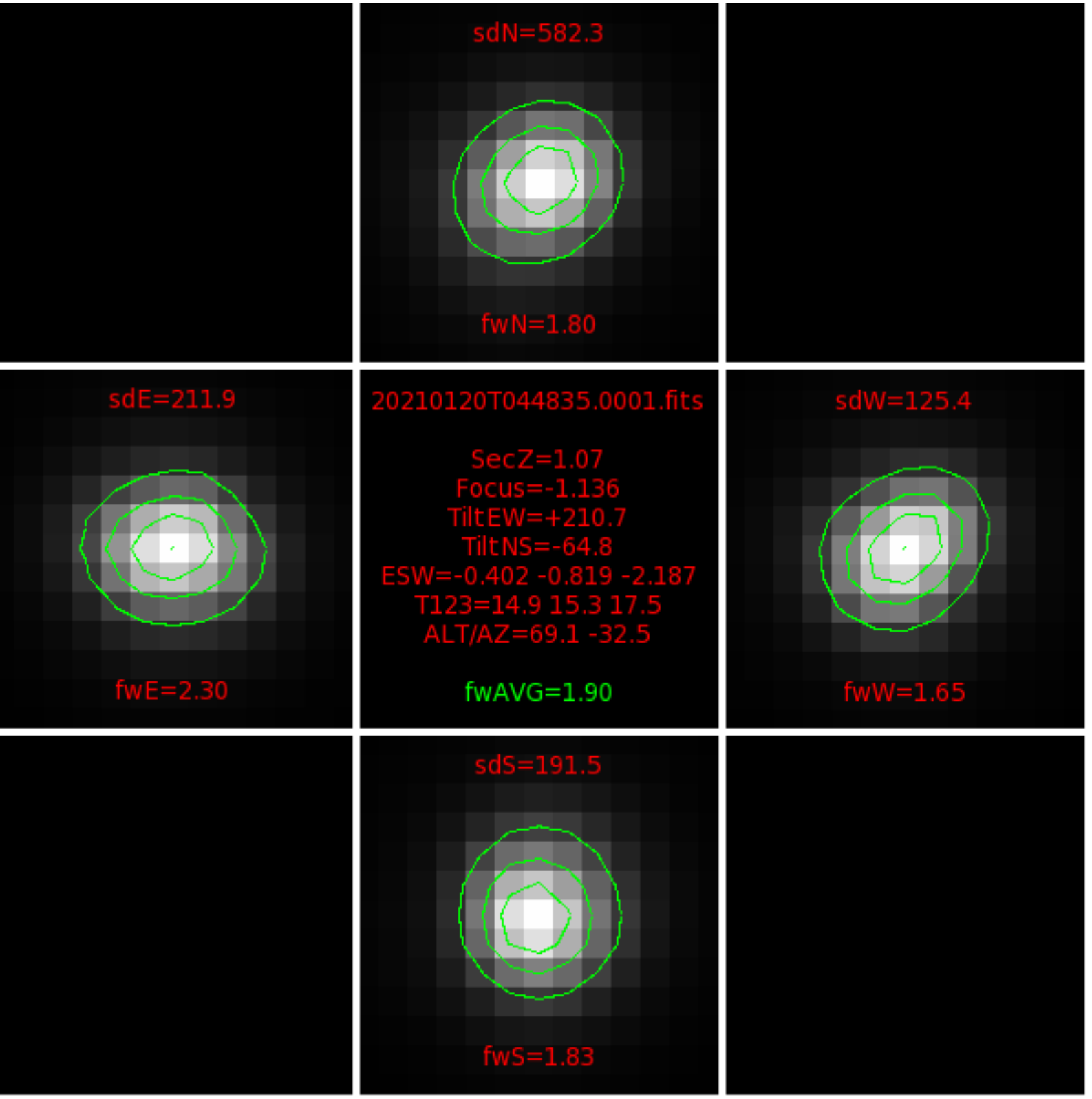
sdN=582.3
fwN=1.80
sdE=211.9
fwE=2.30
20210120T044835.0001.fits
SecZ=1.07
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.9 15.3 17.5
ALT/AZ=69.1 -32.5
fwAVG=1.90
sdW=125.4
fwW=1.65
sdS=191.5
fwS=1.83
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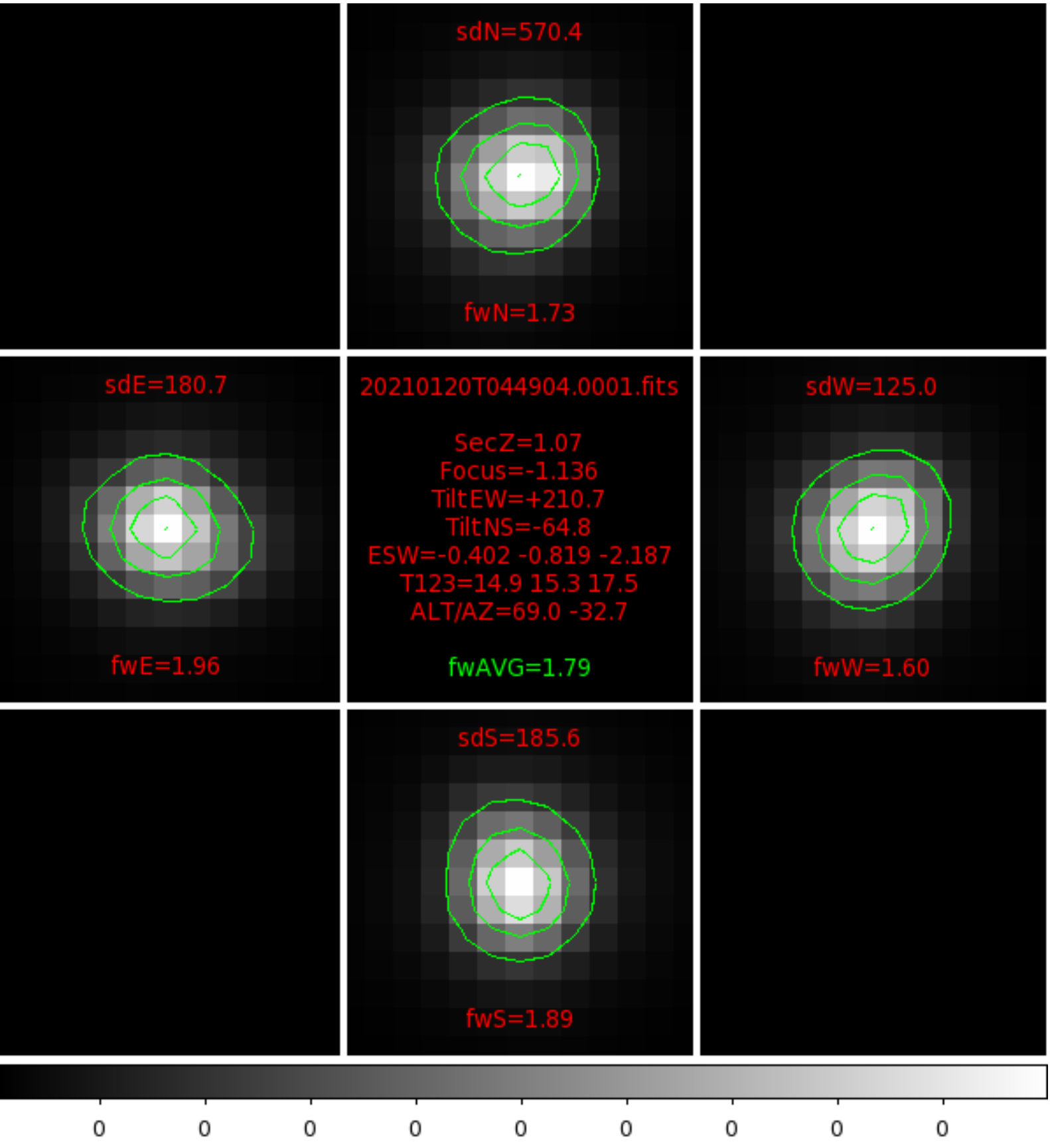
sdN=570.4
fwN=1.73
sdE=180.7
fwE=1.96
20210120T044904.0001.fits
SecZ=1.07
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.9 15.3 17.5
ALT/AZ=69.0 -32.7
fwAVG=1.79
sdW=125.0
fwW=1.60
sdS=185.6
fwS=1.89
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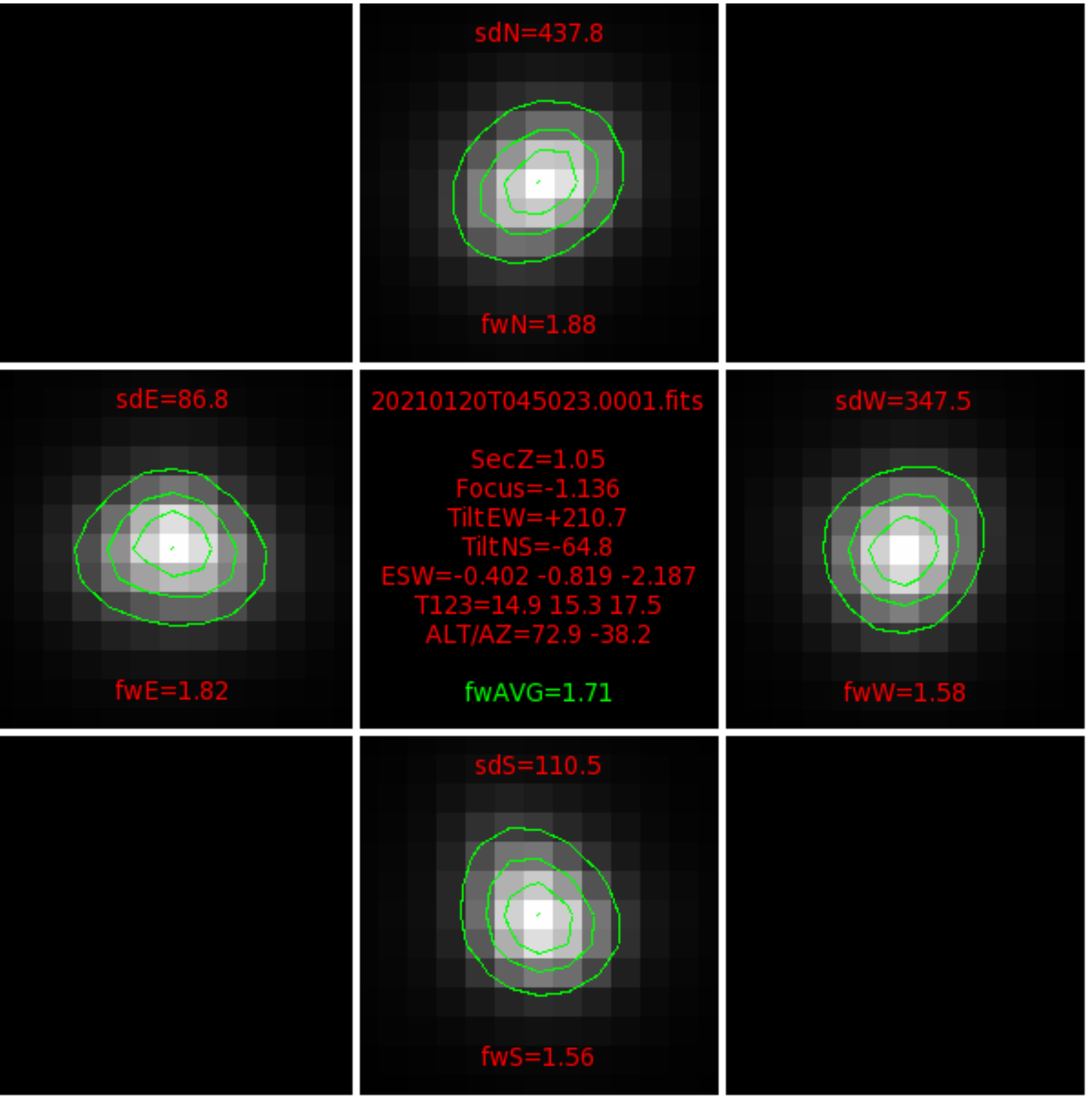
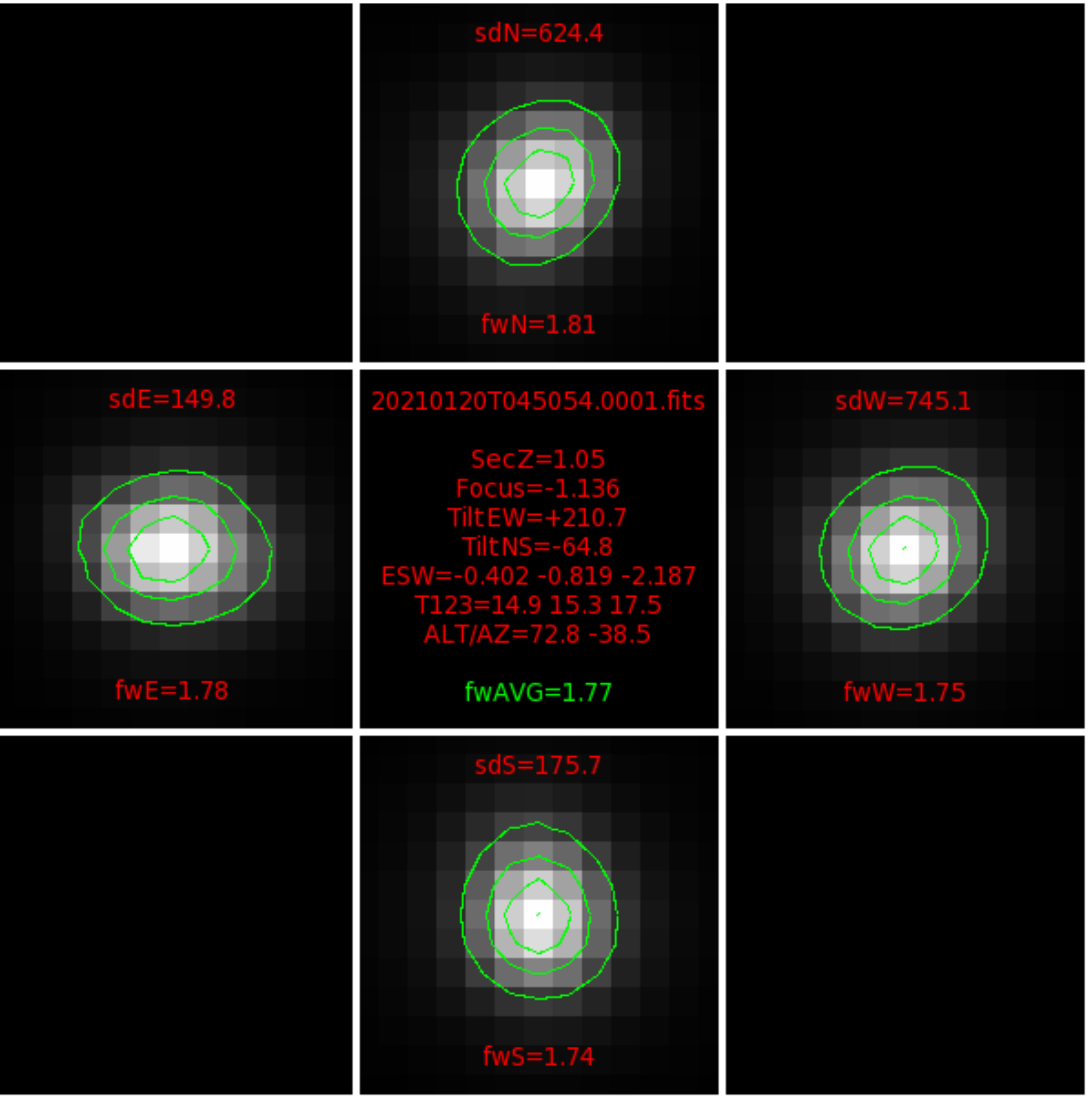

sdN=437.8
fwN=1.88
sdE=86.8
fwE=1.82
20210120T045023.0001.fits
SecZ=1.05
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.9 15.3 17.5
ALT/AZ=72.9 -38.2
fwAVG=1.71
sdW=347.5
fwW=1.58
sdS=110.5
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=624.4
fwN=1.81
sdE=149.8
fwE=1.78
20210120T045054.0001.fits
SecZ=1.05
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.9 15.3 17.5
ALT/AZ=72.8 -38.5
fwAVG=1.77
sdW=745.1
fwW=1.75
sdS=175.7
fwS=1.74
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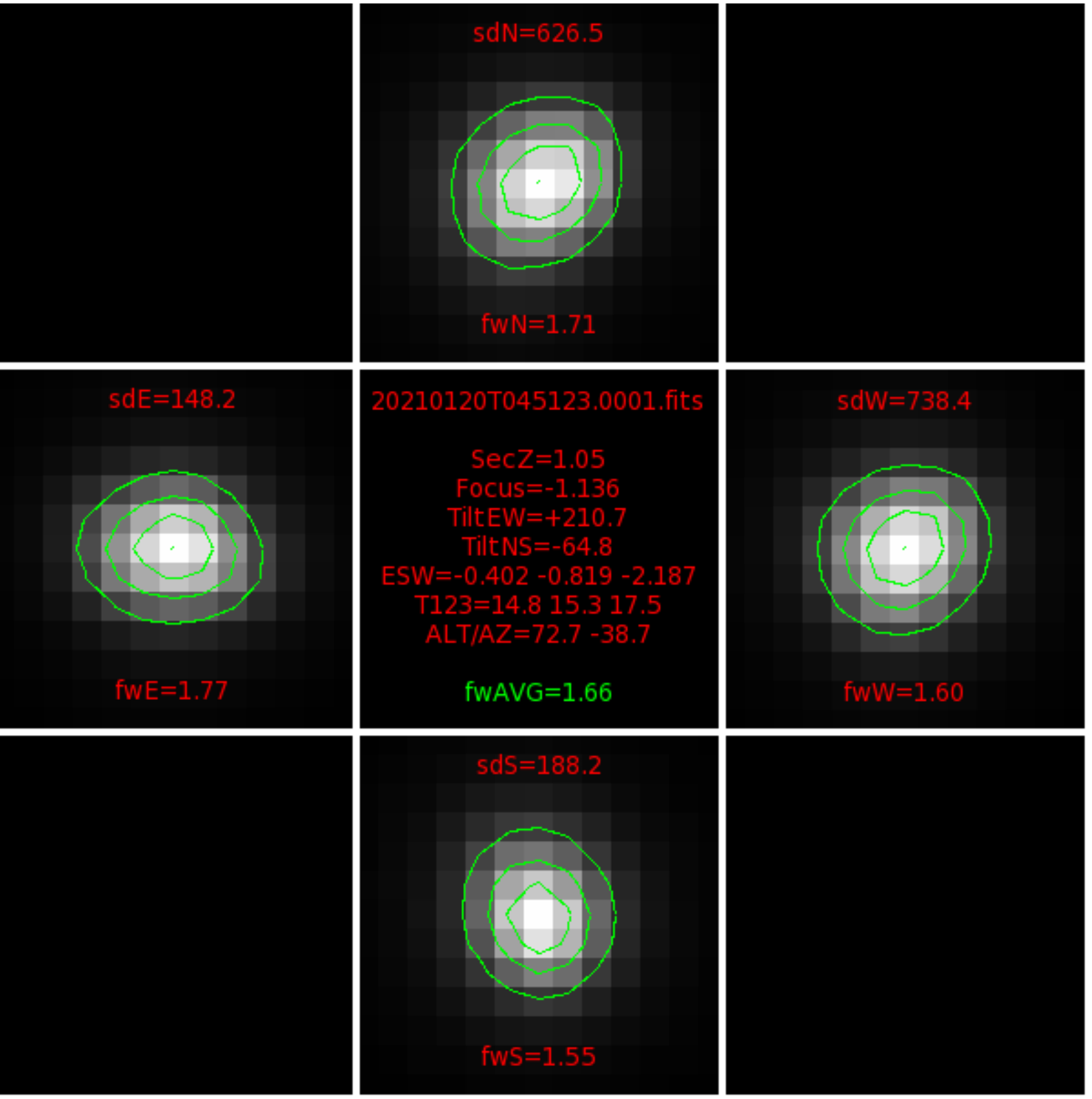
sdN=626.5
fwN=1.71
sdE=148.2
fwE=1.77
20210120T045123.0001.fits
SecZ=1.05
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.5
ALT/AZ=72.7 -38.7
fwAVG=1.66
sdW=738.4
fwW=1.60
sdS=188.2
fwS=1.55
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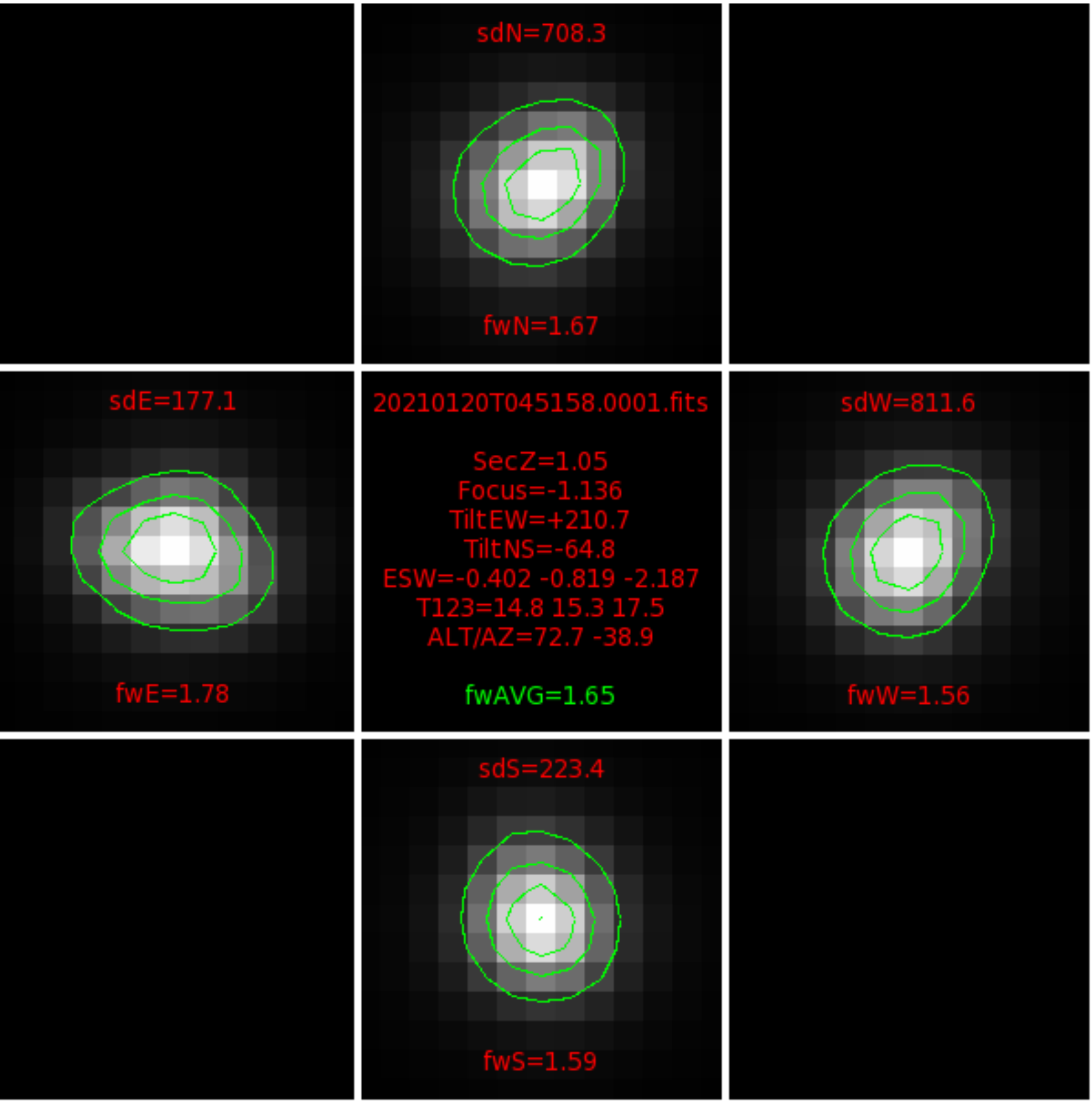
sdN=708.3
fwN=1.67
sdE=177.1
fwE=1.78
20210120T045158.0001.fits
SecZ=1.05
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.5
ALT/AZ=72.7 -38.9
fwAVG=1.65
sdW=811.6
fwW=1.56
sdS=223.4
fwS=1.59
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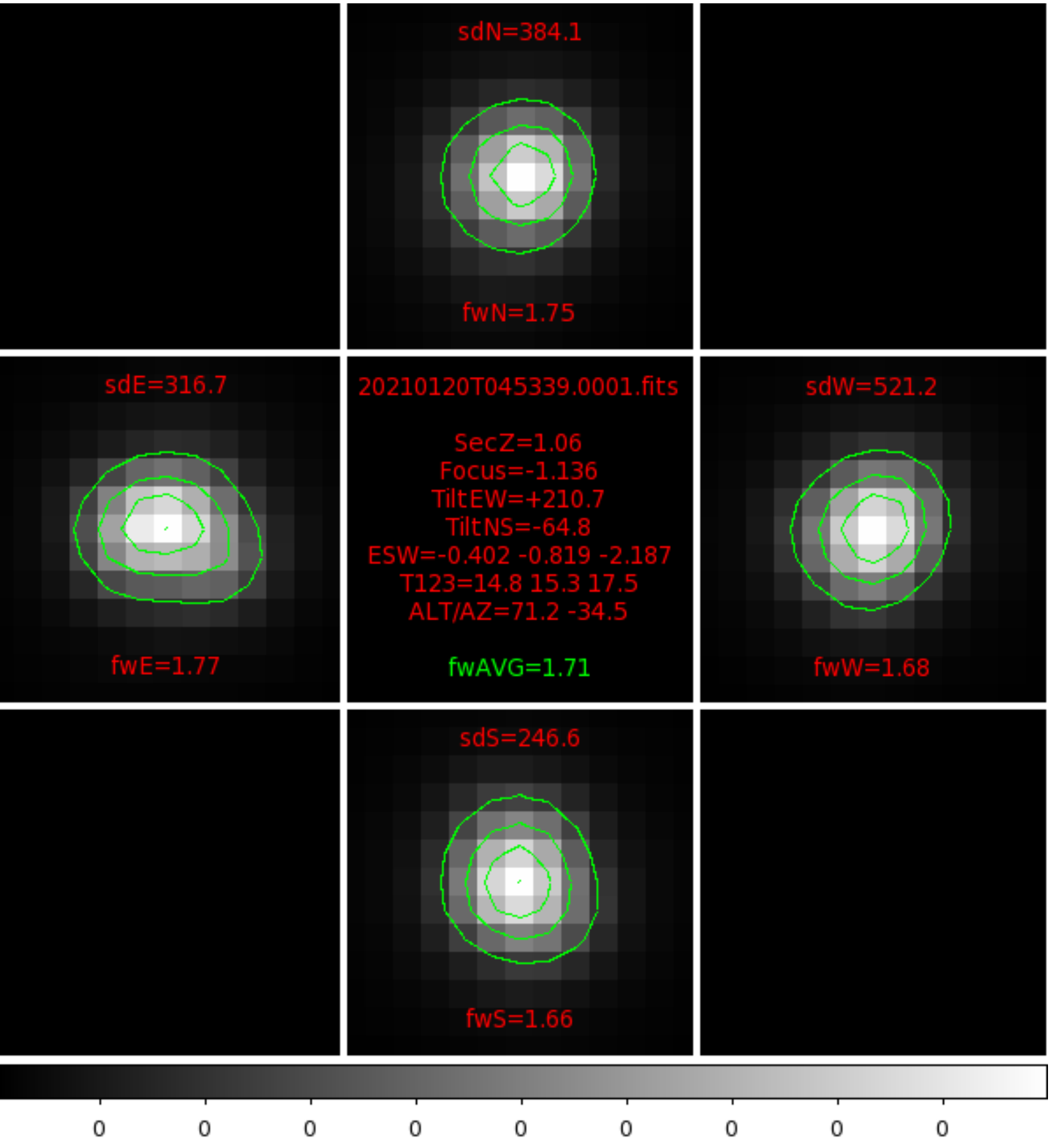
sdN=384.1
fwN=1.75
sdE=316.7
fwE=1.77
20210120T045339.0001.fits
SecZ=1.06
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.5
ALT/AZ=71.2 -34.5
fwAVG=1.71
sdW=521.2
fwW=1.68
sdS=246.6
fwS=1.66
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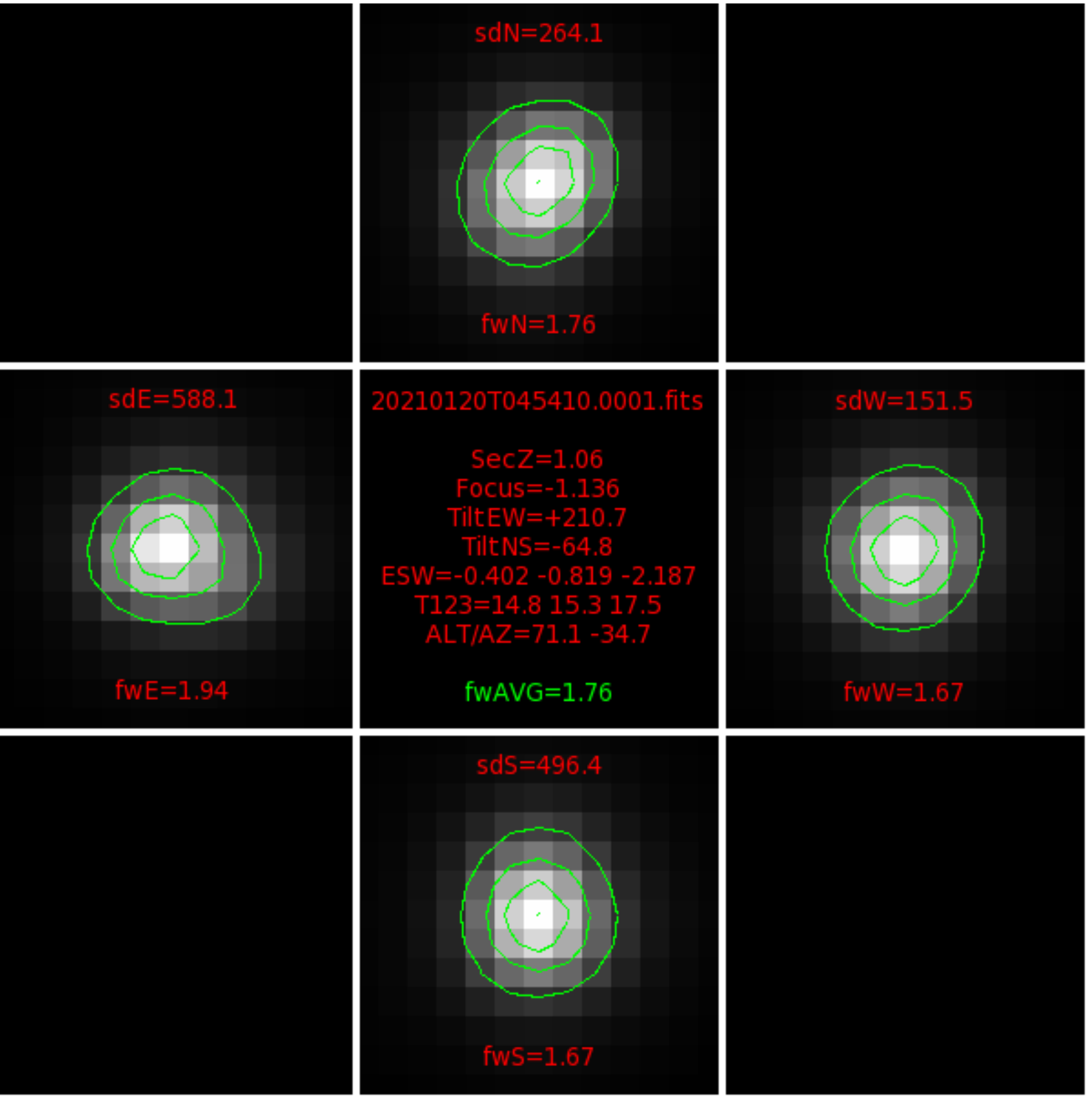
sdN=264.1
fwN=1.76
sdE=588.1
fwE=1.94
20210120T045410.0001.fits
SecZ=1.06
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.5
ALT/AZ=71.1 -34.7
fwAVG=1.76
sdW=151.5
fwW=1.67
sdS=496.4
fwS=1.67
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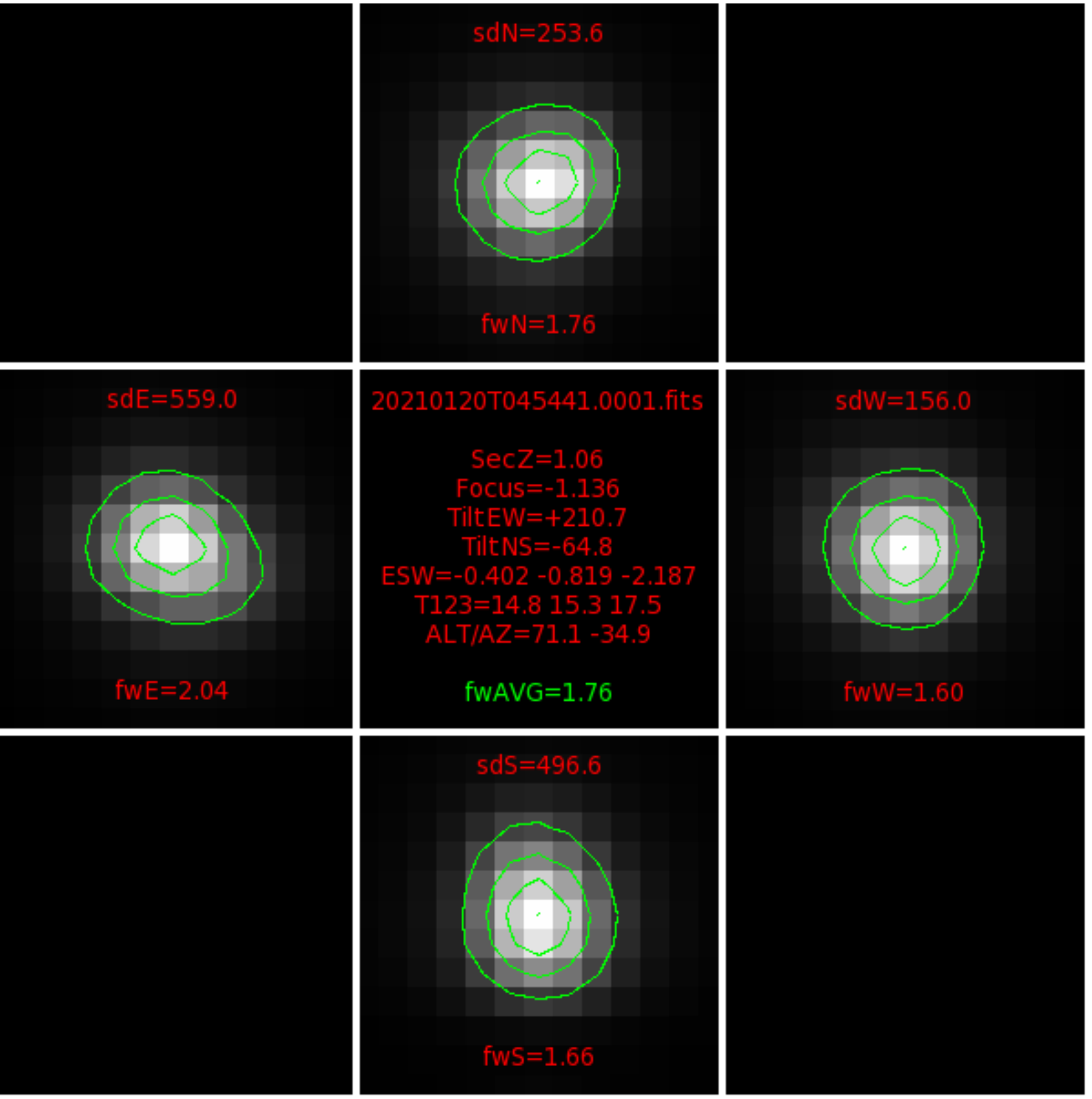
sdN=253.6
fwN=1.76
sdE=559.0
fwE=2.04
20210120T045441.0001.fits
SecZ=1.06
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.5
ALT/AZ=71.1 -34.9
fwAVG=1.76
sdW=156.0
fwW=1.60
sdS=496.6
fwS=1.66
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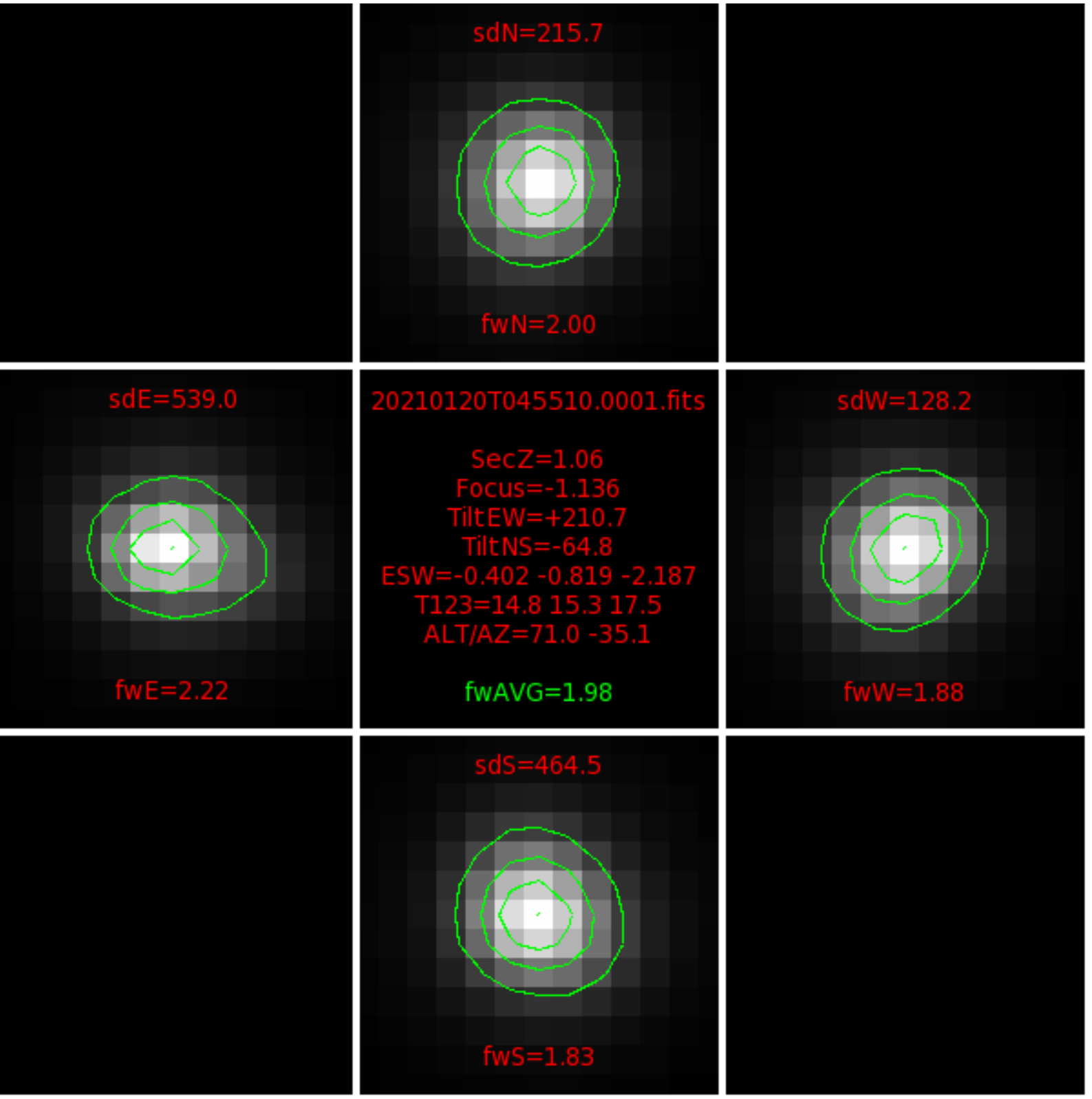
sdN=215.7
fwN=2.00
sdE=539.0
fwE=2.22
20210120T045510.0001.fits
SecZ=1.06
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.5
ALT/AZ=71.0 -35.1
fwAVG=1.98
sdW=128.2
fwW=1.88
sdS=464.5
fwS=1.83
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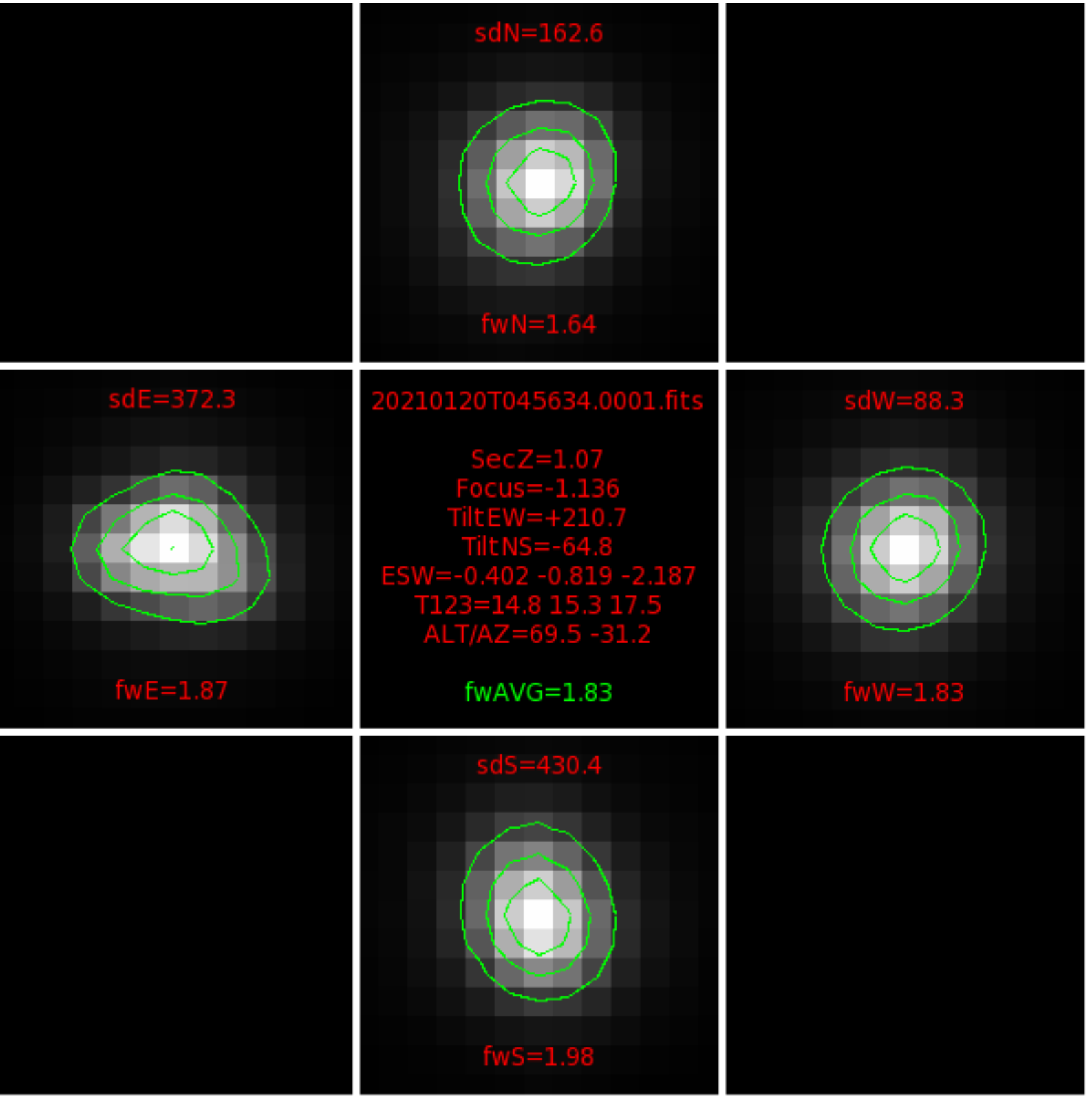
sdN=162.6
fwN=1.64
sdE=372.3
fwE=1.87
20210120T045634.0001.fits
SecZ=1.07
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.5
ALT/AZ=69.5 -31.2
fwAVG=1.83
sdW=88.3
fwW=1.83
sdS=430.4
fwS=1.98
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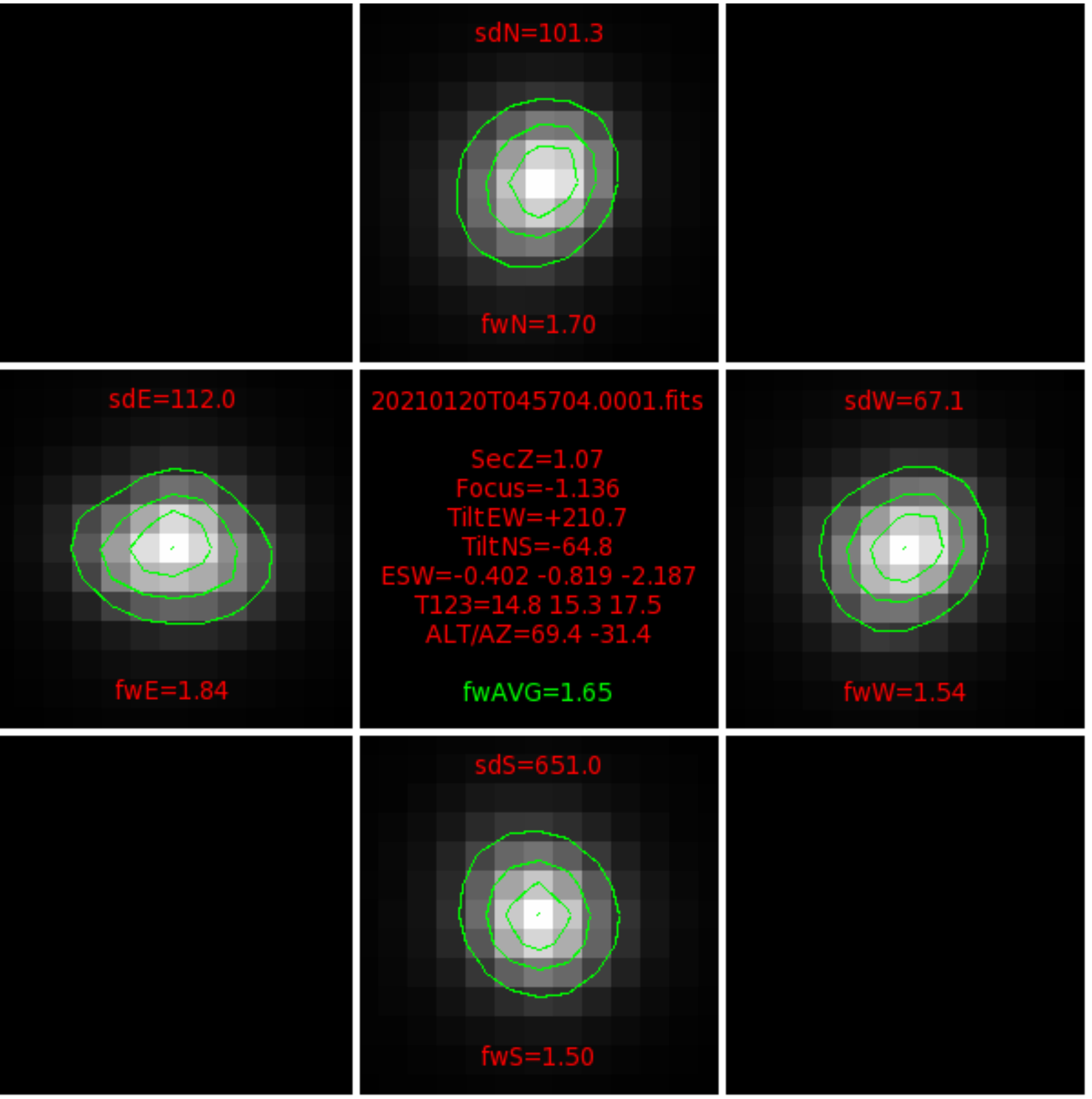
sdN=101.3
fwN=1.70
sdE=112.0
fwE=1.84
20210120T045704.0001.fits
SecZ=1.07
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.5
ALT/AZ=69.4 -31.4
fwAVG=1.65
sdW=67.1
fwW=1.54
sdS=651.0
fwS=1.50
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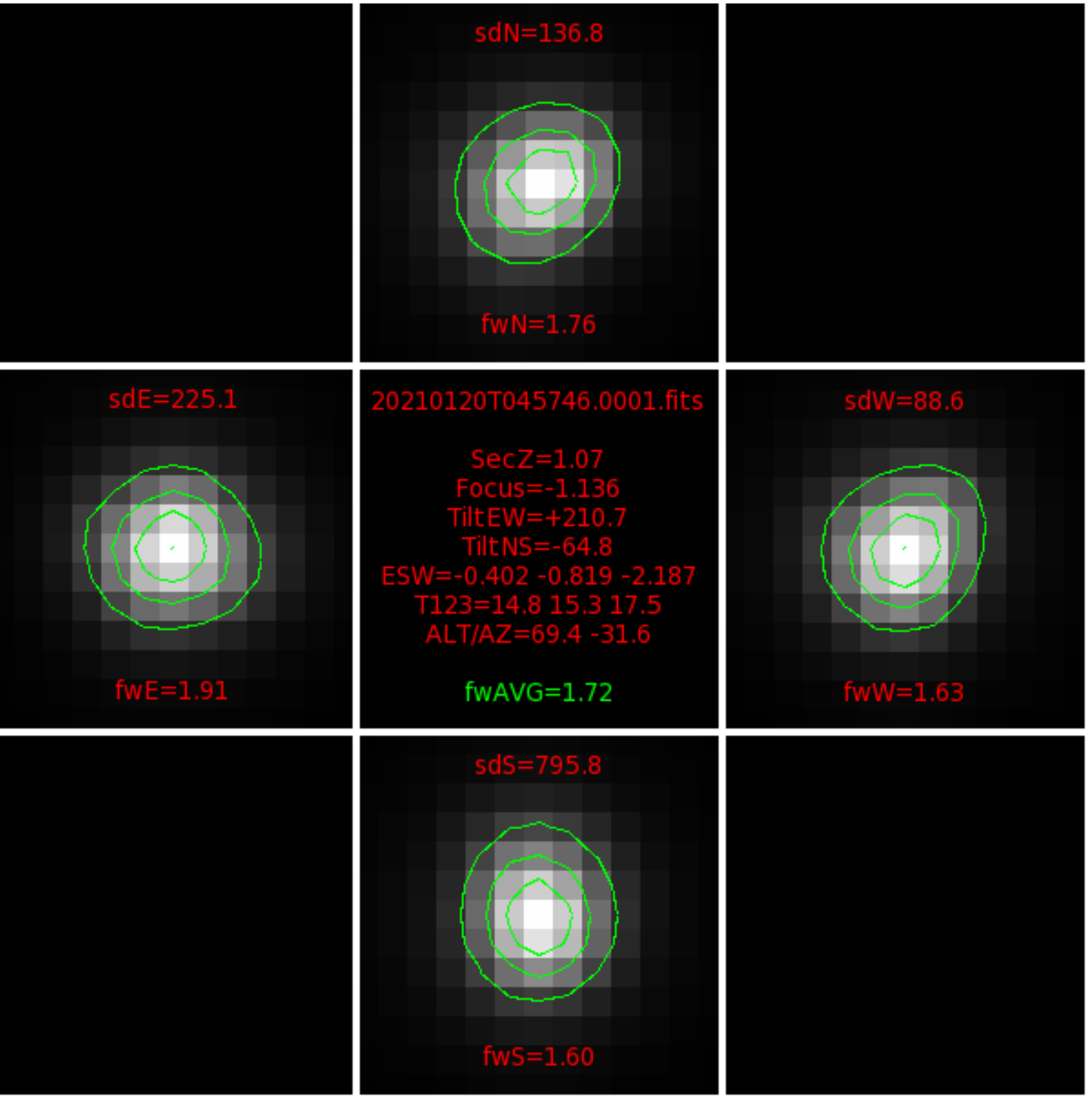
sdN=136.8
fwN=1.76
sdE=225.1
fwE=1.91
20210120T045746.0001.fits
SecZ=1.07
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.5
ALT/AZ=69.4 -31.6
fwAVG=1.72
sdW=88.6
fwW=1.63
sdS=795.8
fwS=1.60
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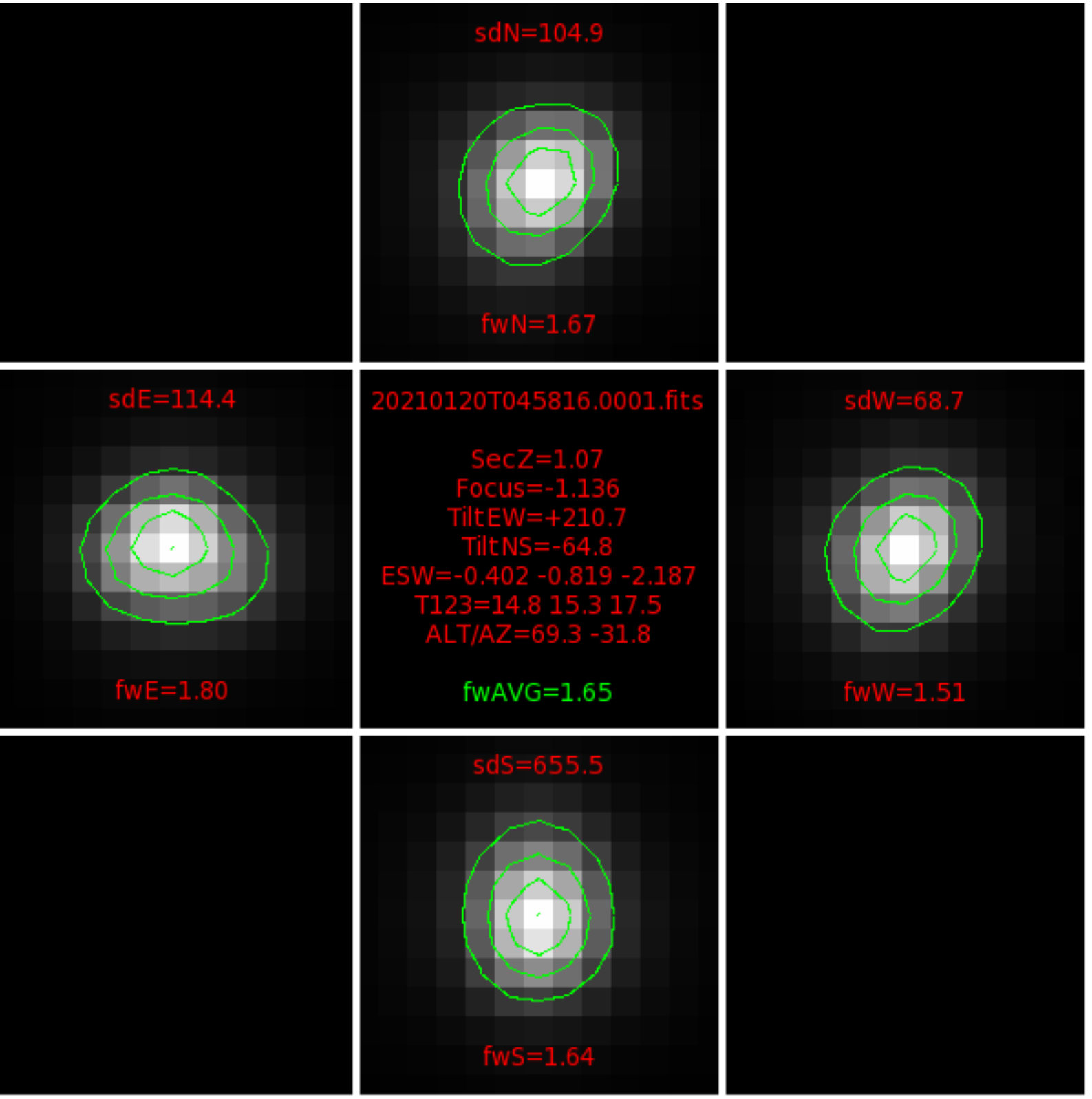
sdN=104.9
fwN=1.67
sdE=114.4
fwE=1.80
20210120T045816.0001.fits
SecZ=1.07
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.5
ALT/AZ=69.3 -31.8
fwAVG=1.65
sdW=68.7
fwW=1.51
sdS=655.5
fwS=1.64
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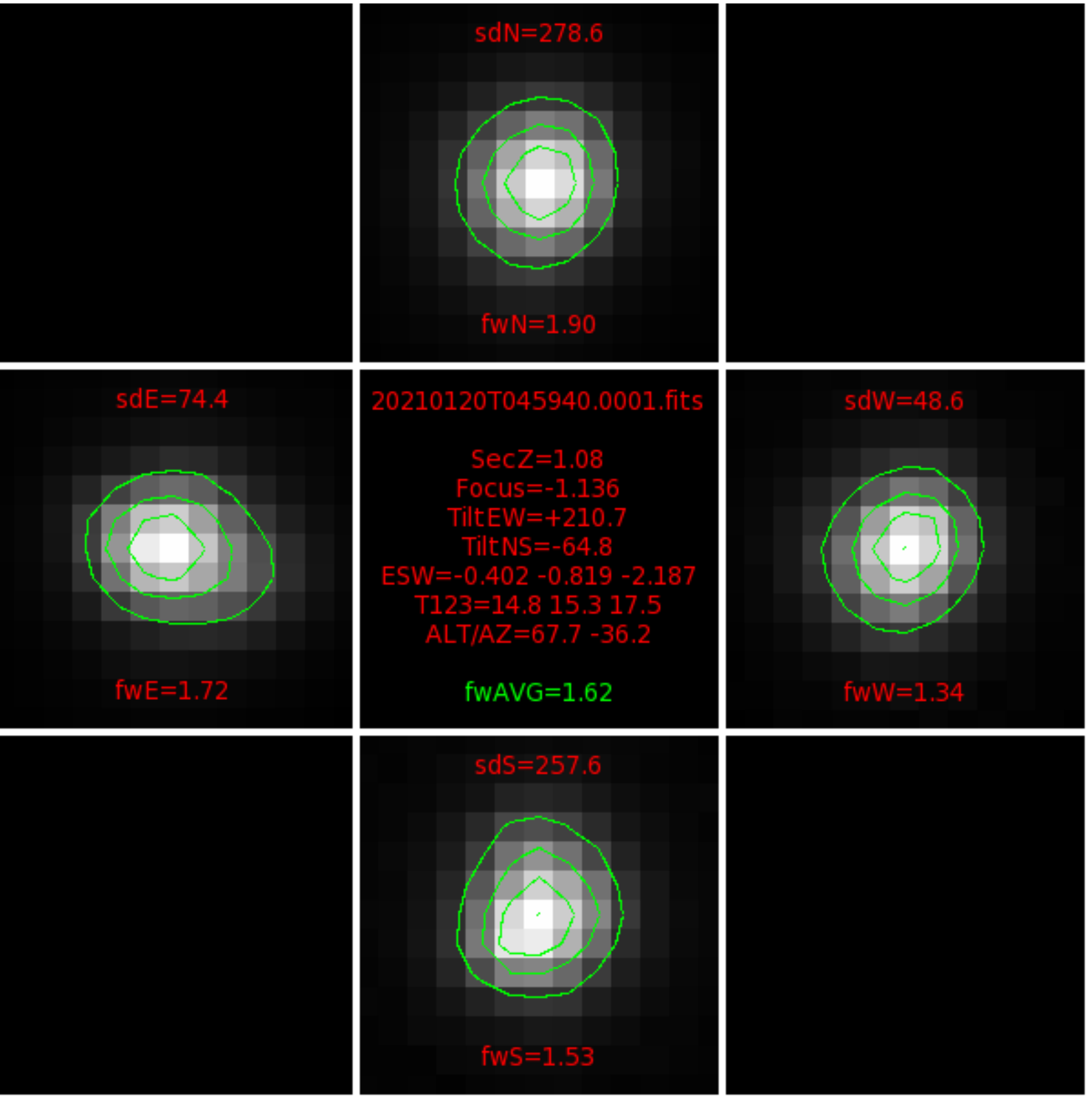
sdN=278.6
fwN=1.90
sdE=74.4
fwE=1.72
20210120T045940.0001.fits
SecZ=1.08
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.5
ALT/AZ=67.7 -36.2
fwAVG=1.62
sdW=48.6
fwW=1.34
sdS=257.6
fwS=1.53
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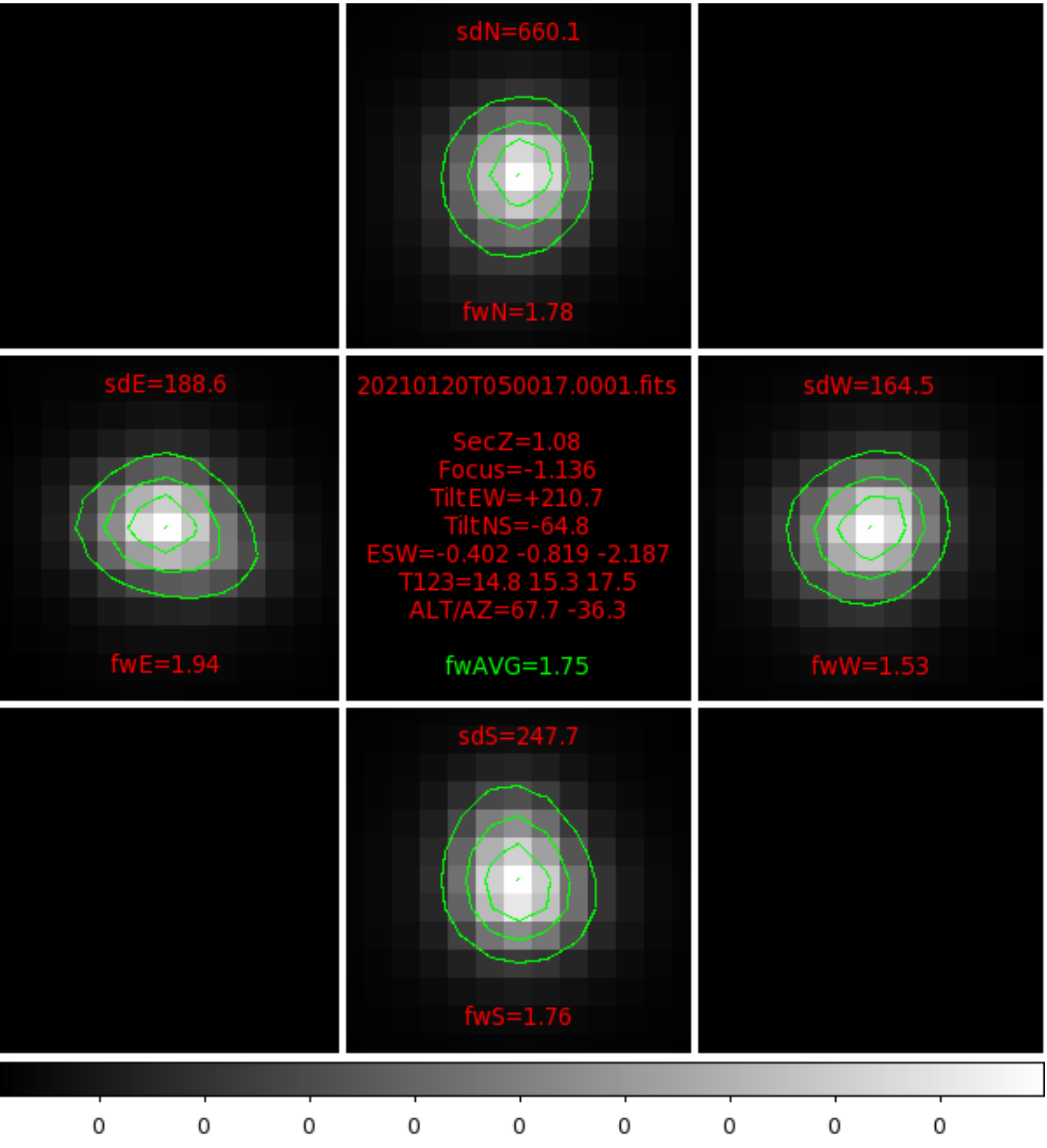
sdN=660.1
fwN=1.78
sdE=188.6
fwE=1.94
20210120T050017.0001.fits
SecZ=1.08
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.5
ALT/AZ=67.7 -36.3
fwAVG=1.75
sdW=164.5
fwW=1.53
sdS=247.7
fwS=1.76
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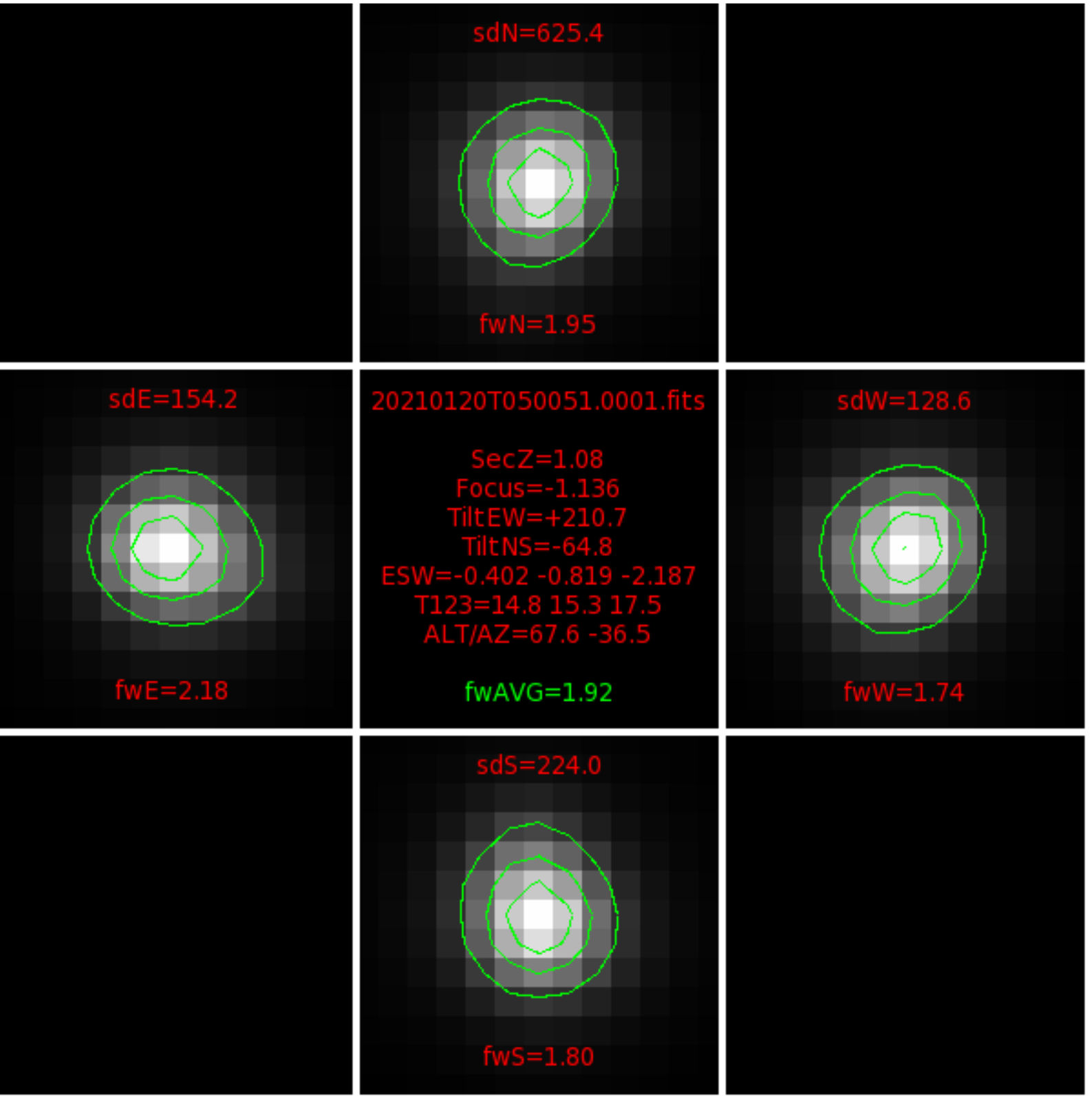
sdN=625.4
fwN=1.95
sdE=154.2
fwE=2.18
20210120T050051.0001.fits
SecZ=1.08
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.3 17.5
ALT/AZ=67.6 -36.5
fwAVG=1.92
sdW=128.6
fwW=1.74
sdS=224.0
fwS=1.80
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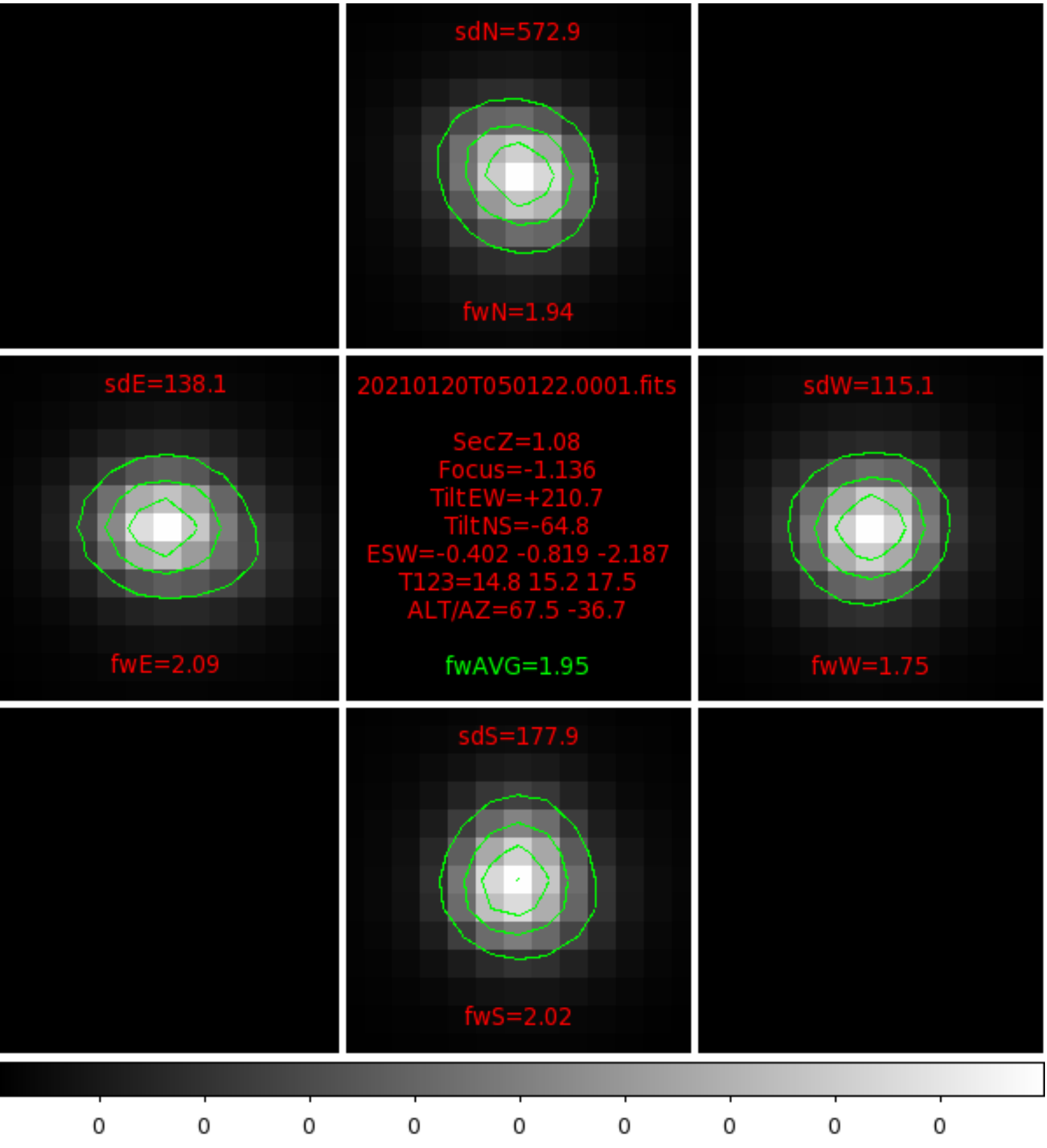
sdN=572.9
fwN=1.94
sdE=138.1
fwE=2.09
20210120T050122.0001.fits
SecZ=1.08
Focus=-1.136
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.402 -0.819 -2.187
T123=14.8 15.2 17.5
ALT/AZ=67.5 -36.7
fwAVG=1.95
sdW=115.1
fwW=1.75
sdS=177.9
fwS=2.02
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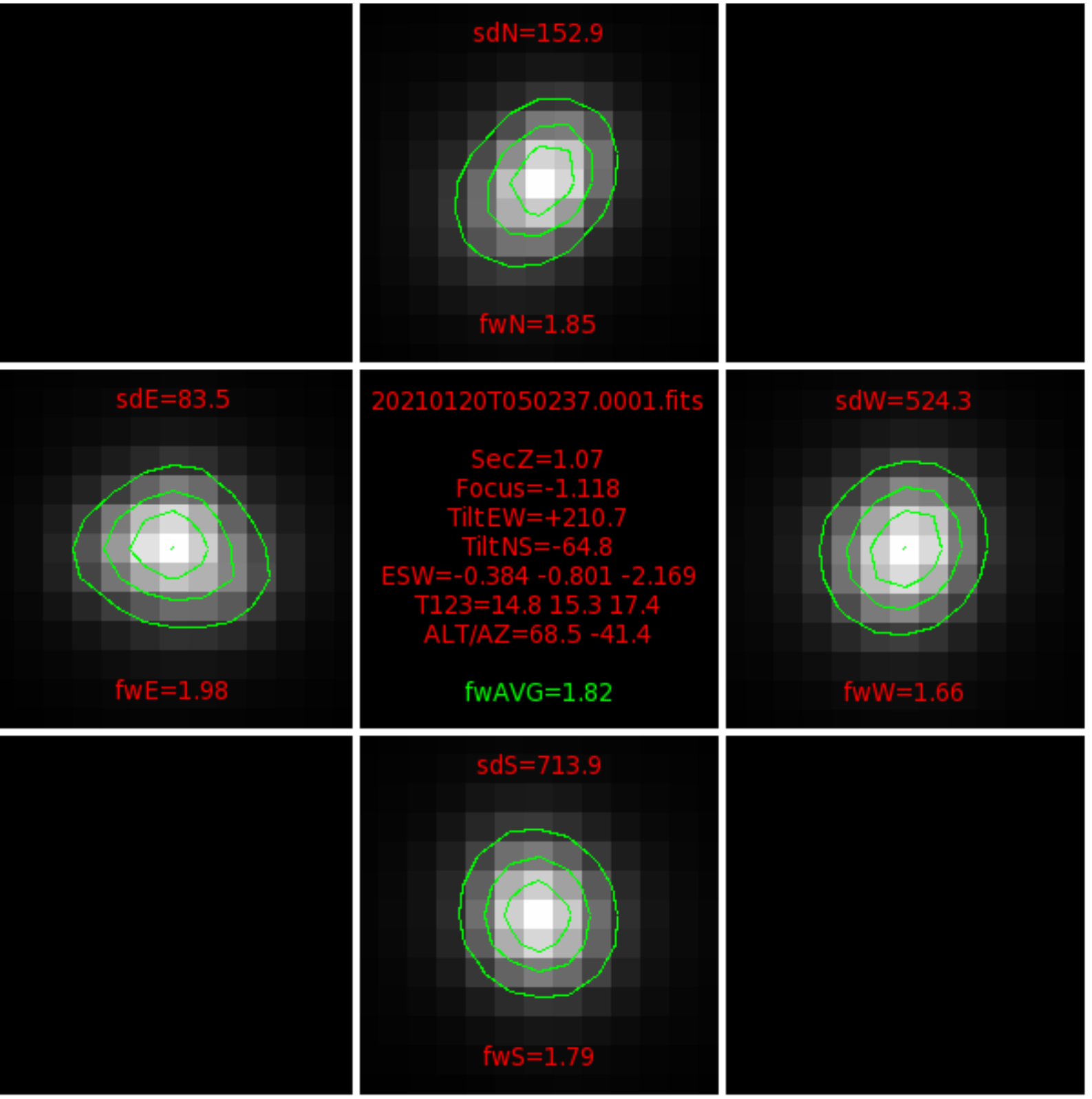
sdN=152.9
fwN=1.85
sdE=83.5
fwE=1.98
20210120T050237.0001.fits
SecZ=1.07
Focus=-1.118
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.384 -0.801 -2.169
T123=14.8 15.3 17.4
ALT/AZ=68.5 -41.4
fwAVG=1.82
sdW=524.3
fwW=1.66
sdS=713.9
fwS=1.79
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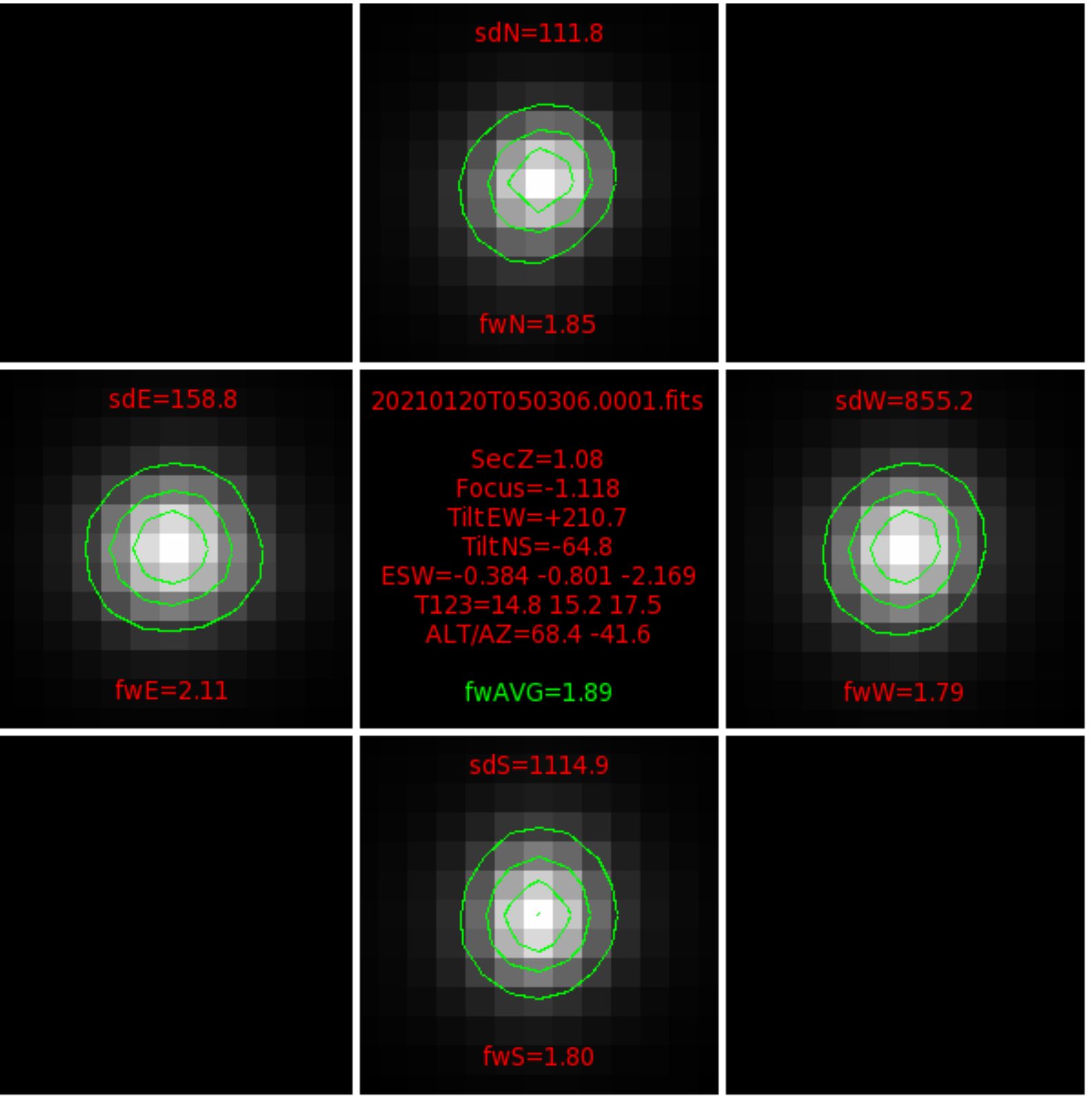
sdN=111.8
fwN=1.85
sdE=158.8
fwE=2.11
20210120T050306.0001.fits
SecZ=1.08
Focus=-1.118
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.384 -0.801 -2.169
T123=14.8 15.2 17.5
ALT/AZ=68.4 -41.6
fwAVG=1.89
sdW=855.2
fwW=1.79
sdS=1114.9
fwS=1.80
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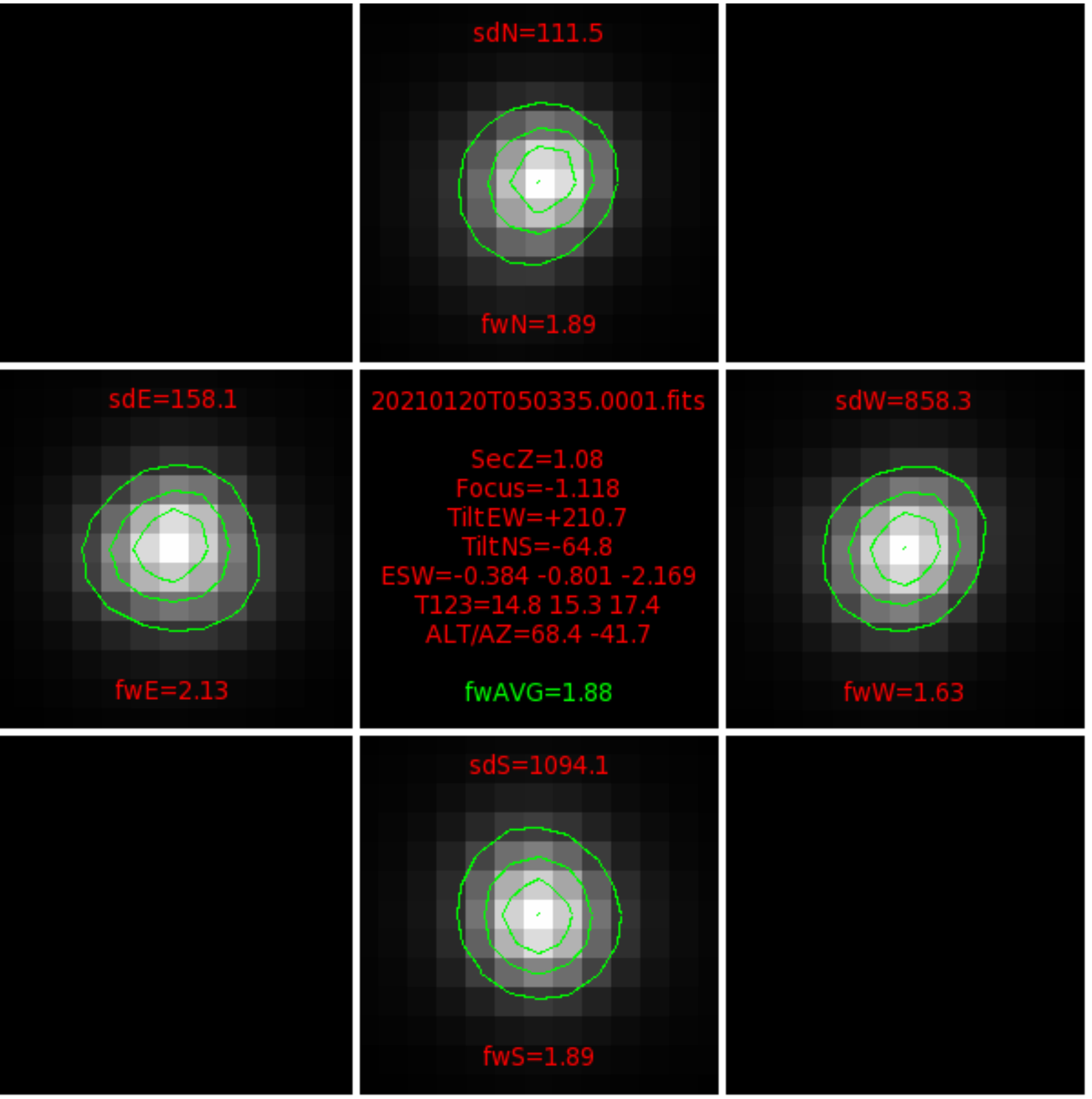
sdN=111.5
fwN=1.89
sdE=158.1
fwE=2.13
20210120T050335.0001.fits
SecZ=1.08
Focus=-1.118
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.384 -0.801 -2.169
T123=14.8 15.3 17.4
ALT/AZ=68.4 -41.7
fwAVG=1.88
sdW=858.3
fwW=1.63
sdS=1094.1
fwS=1.89
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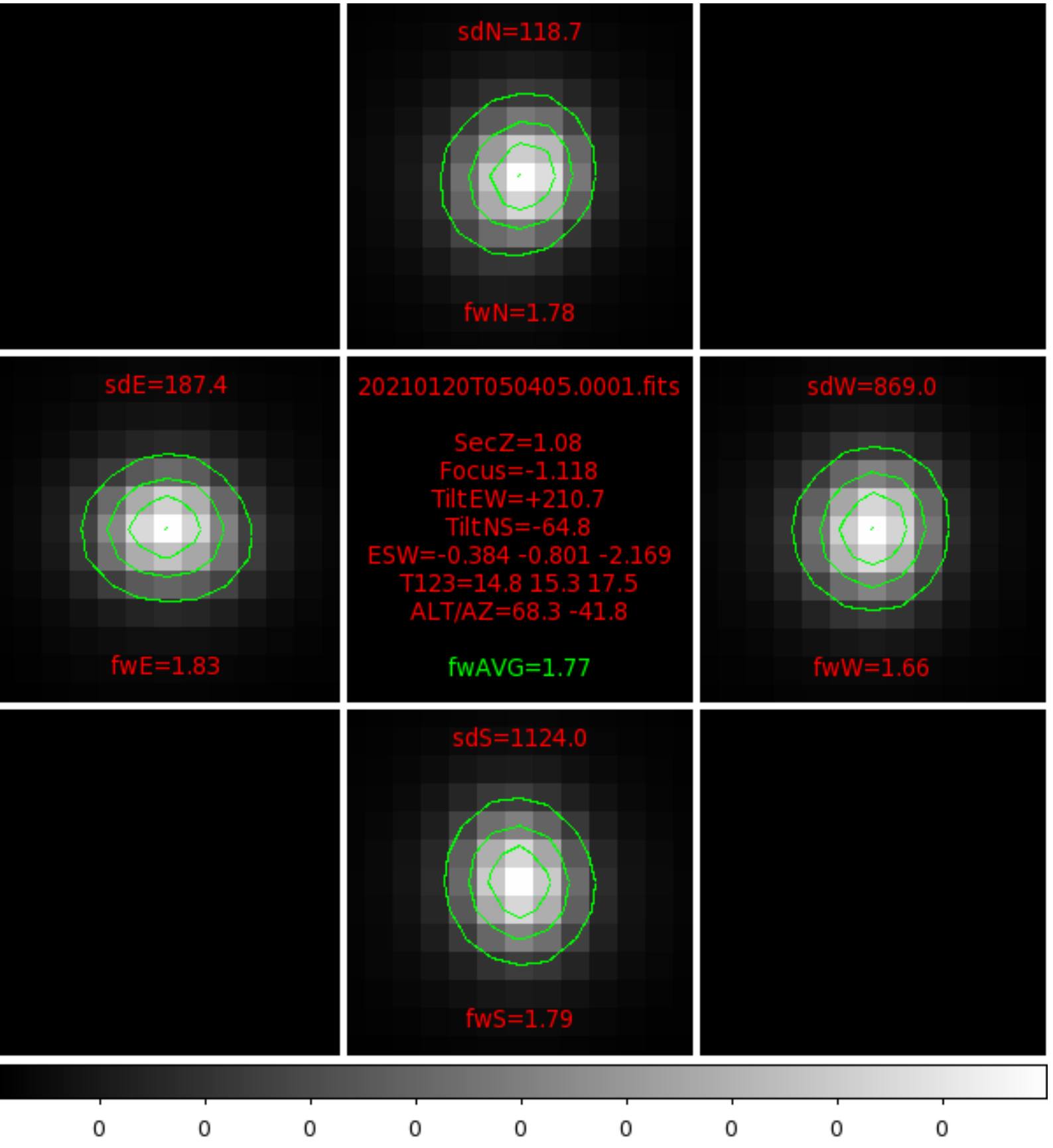
sdN=118.7
fwN=1.78
sdE=187.4
fwE=1.83
20210120T050405.0001.fits
SecZ=1.08
Focus=-1.118
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.384 -0.801 -2.169
T123=14.8 15.3 17.5
ALT/AZ=68.3 -41.8
fwAVG=1.77
sdW=869.0
fwW=1.66
sdS=1124.0
fwS=1.79
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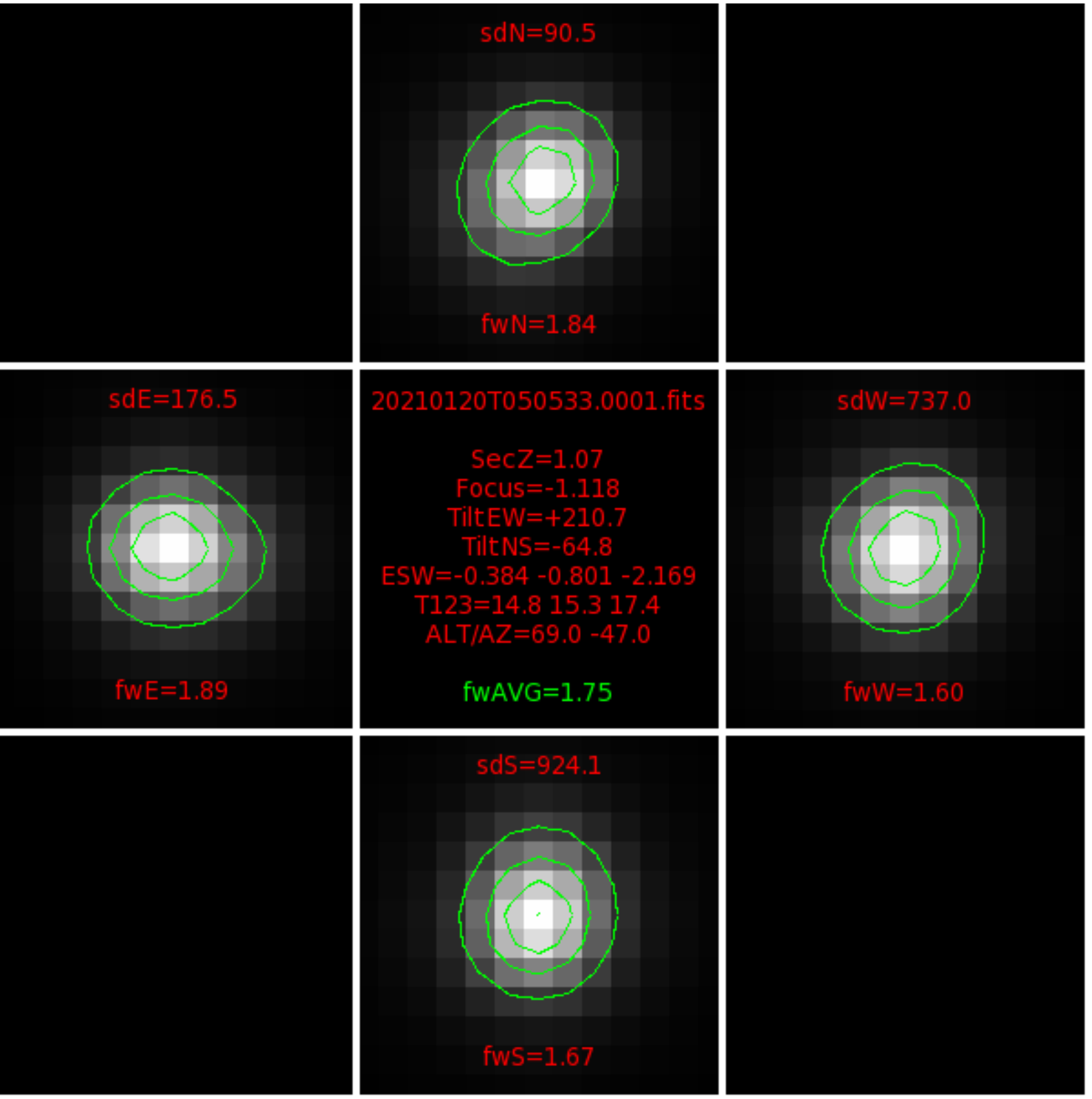
sdN=90.5
fwN=1.84
sdE=176.5
fwE=1.89
20210120T050533.0001.fits
SecZ=1.07
Focus=-1.118
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.384 -0.801 -2.169
T123=14.8 15.3 17.4
ALT/AZ=69.0 -47.0
fwAVG=1.75
sdW=737.0
fwW=1.60
sdS=924.1
fwS=1.67
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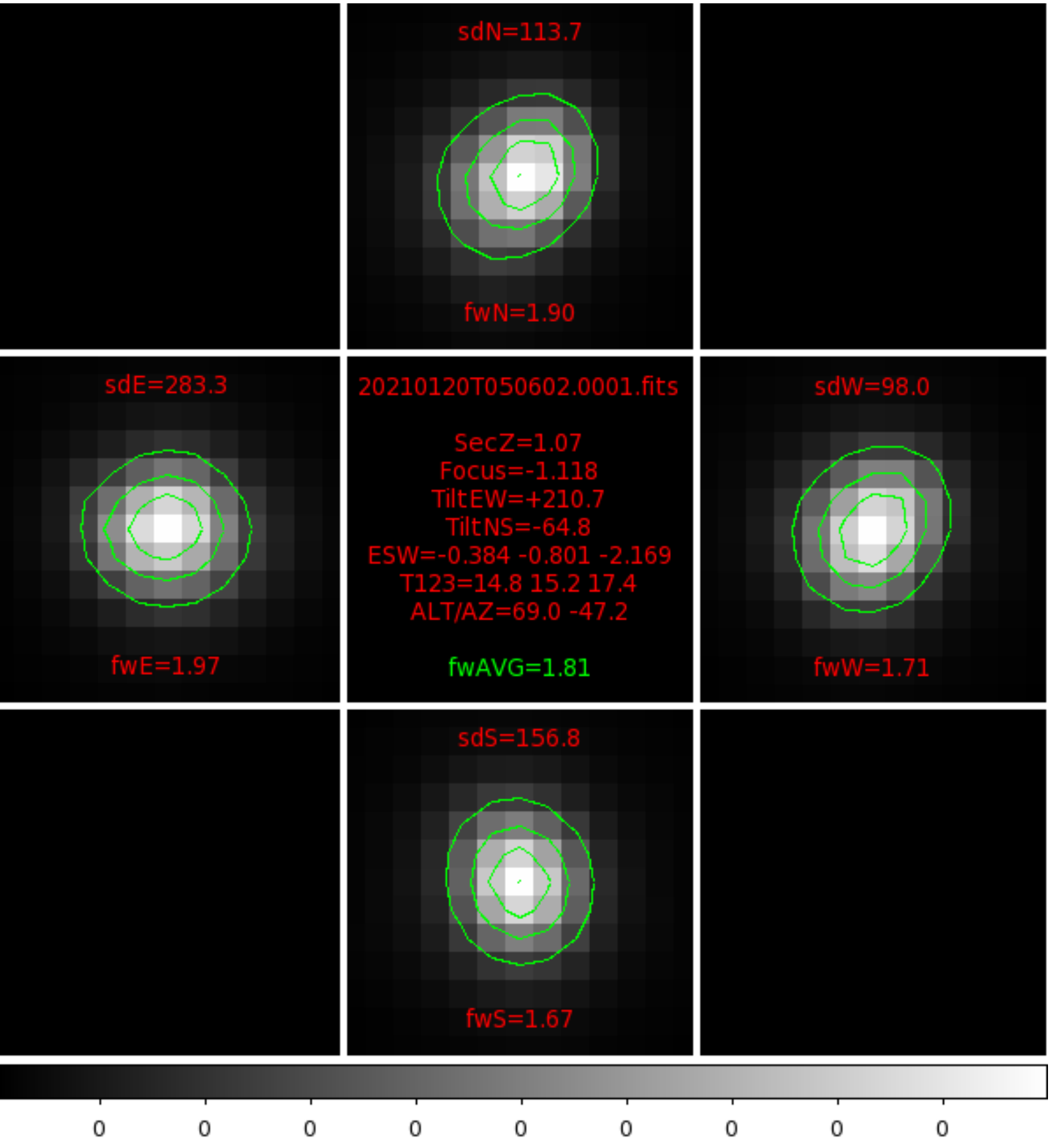
sdN=113.7
fwN=1.90
sdE=283.3
fwE=1.97
20210120T050602.0001.fits
SecZ=1.07
Focus=-1.118
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.384 -0.801 -2.169
T123=14.8 15.2 17.4
ALT/AZ=69.0 -47.2
fwAVG=1.81
sdW=98.0
fwW=1.71
sdS=156.8
fwS=1.67
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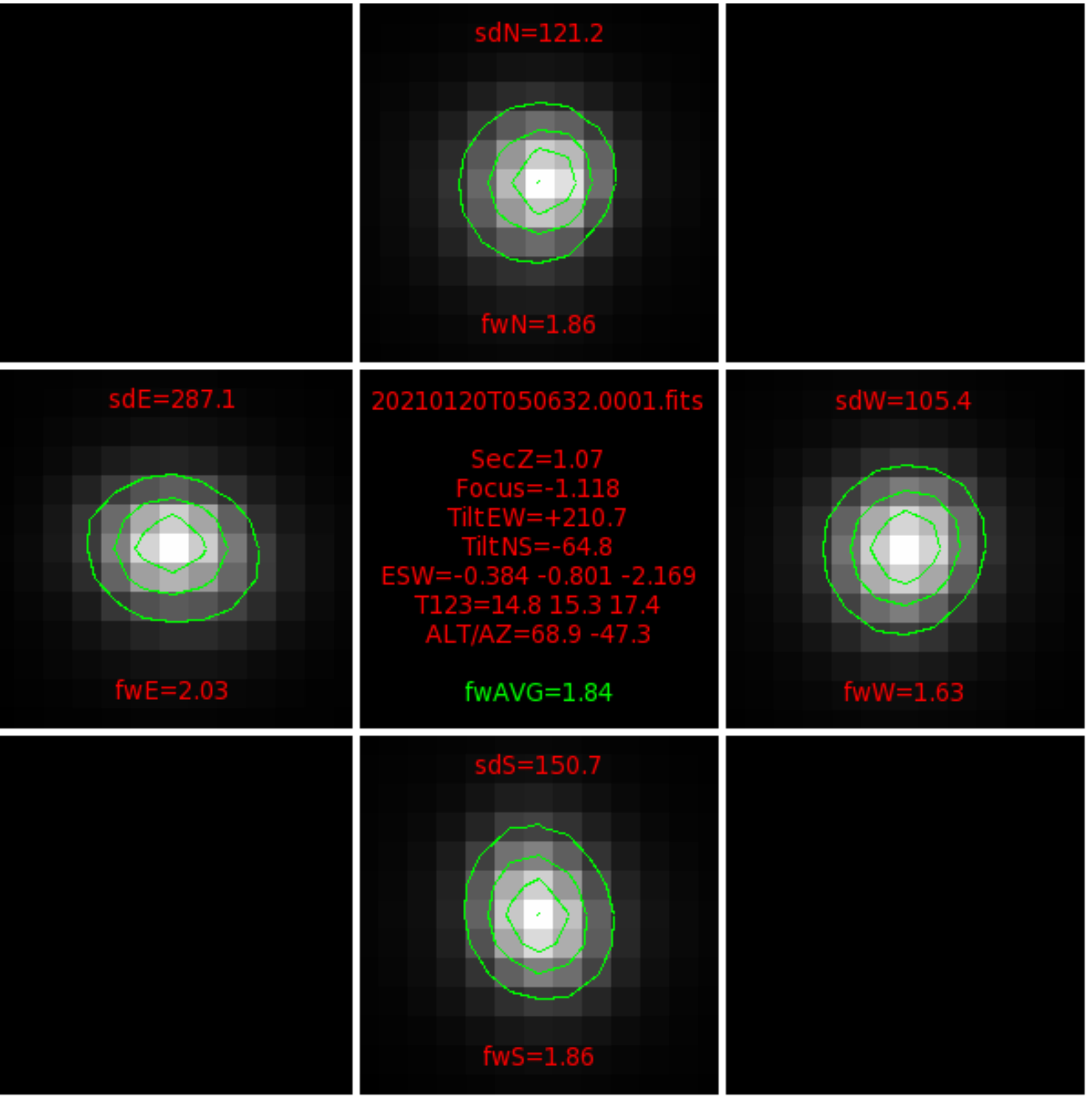
sdN=121.2
fwN=1.86
sdE=287.1
fwE=2.03
20210120T050632.0001.fits
SecZ=1.07
Focus=-1.118
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.384 -0.801 -2.169
T123=14.8 15.3 17.4
ALT/AZ=68.9 -47.3
fwAVG=1.84
sdW=105.4
fwW=1.63
sdS=150.7
fwS=1.86
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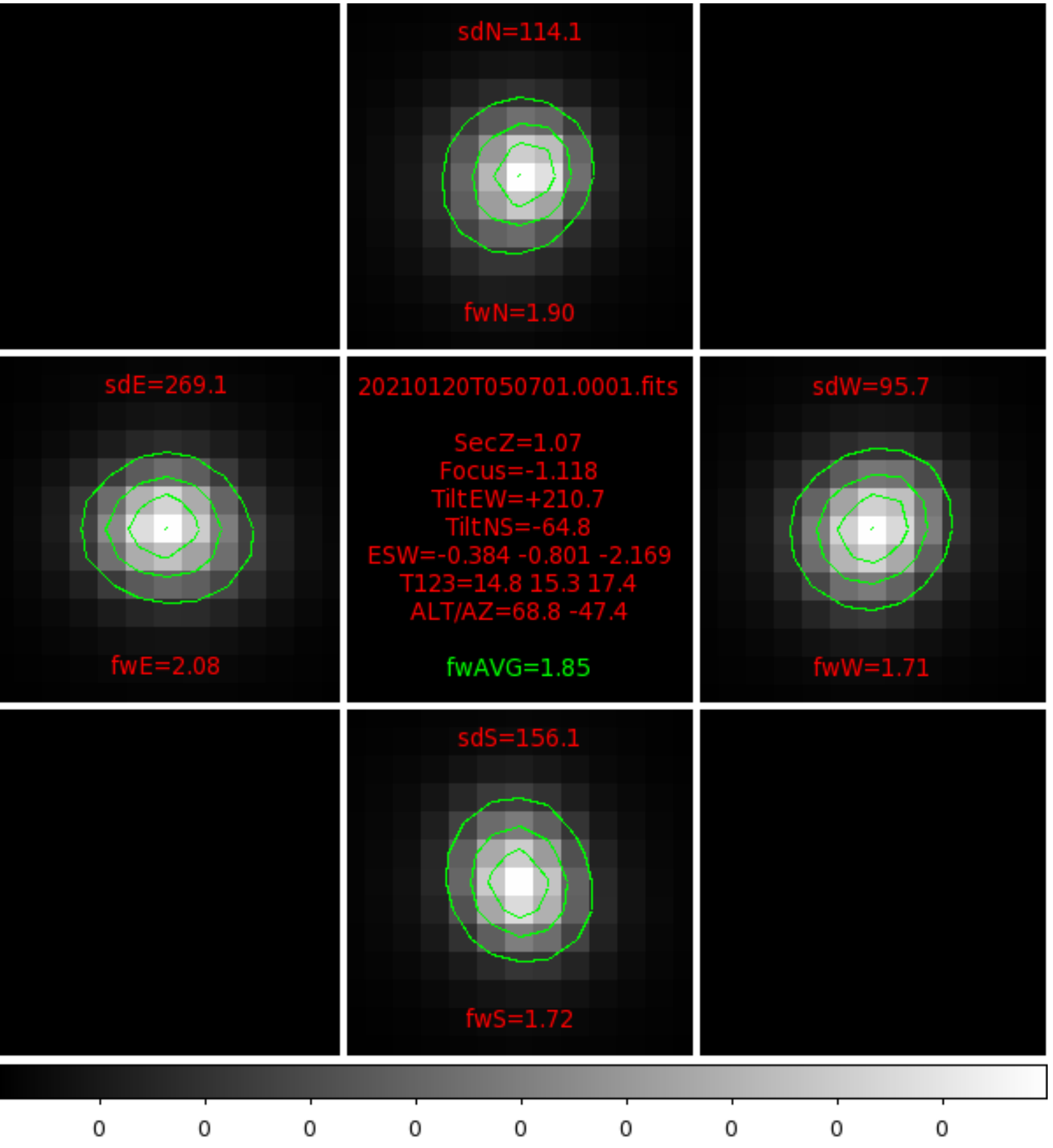
sdN=114.1
fwN=1.90
sdE=269.1
fwE=2.08
20210120T050701.0001.fits
SecZ=1.07
Focus=-1.118
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.384 -0.801 -2.169
T123=14.8 15.3 17.4
ALT/AZ=68.8 -47.4
fwAVG=1.85
sdW=95.7
fwW=1.71
sdS=156.1
fwS=1.72
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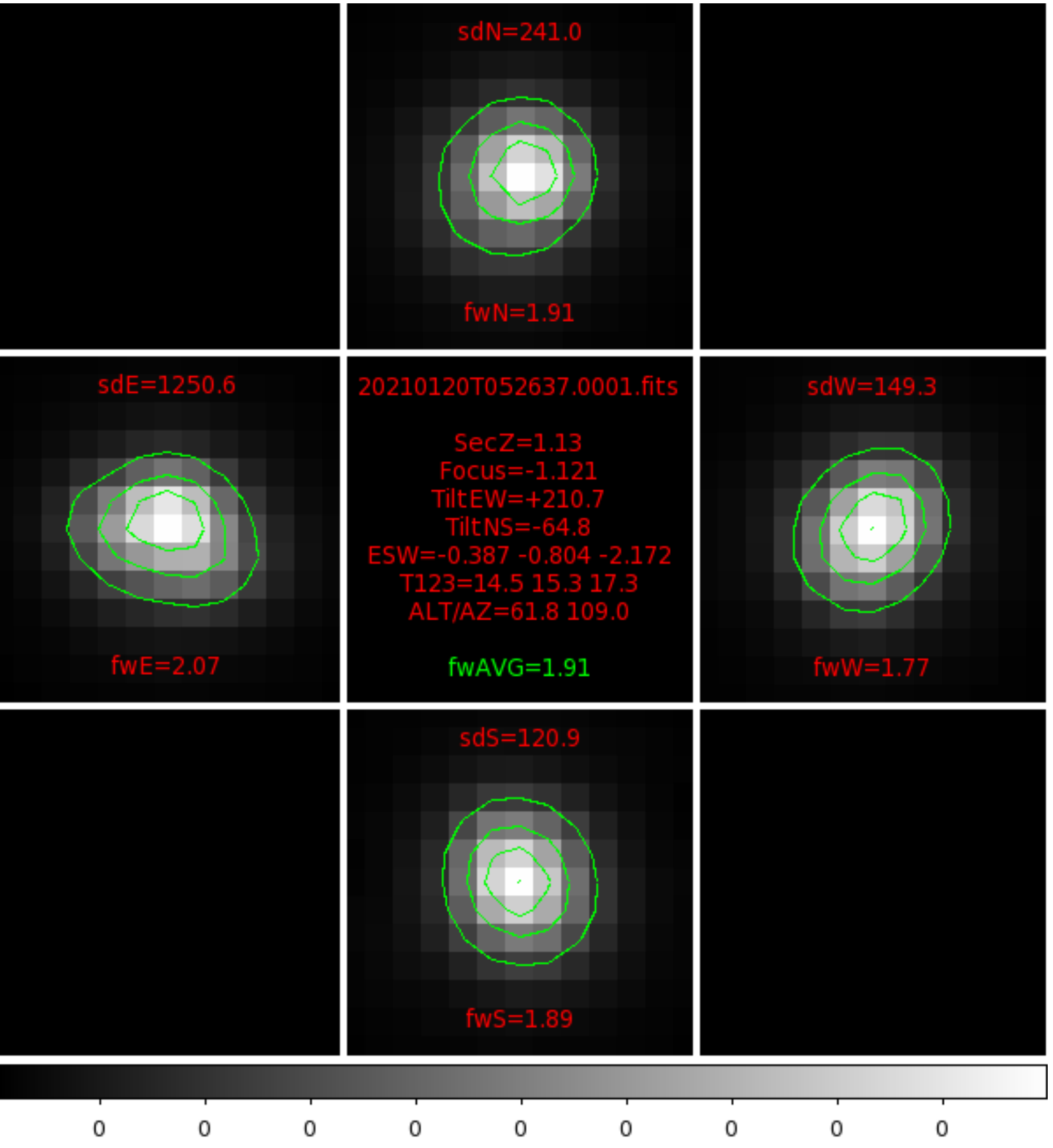
sdN=241.0
fwN=1.91
sdE=1250.6
fwE=2.07
20210120T052637.0001.fits
SecZ=1.13
Focus=-1.121
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.387 -0.804 -2.172
T123=14.5 15.3 17.3
ALT/AZ=61.8 109.0
fwAVG=1.91
sdW=149.3
fwW=1.77
sdS=120.9
fwS=1.89
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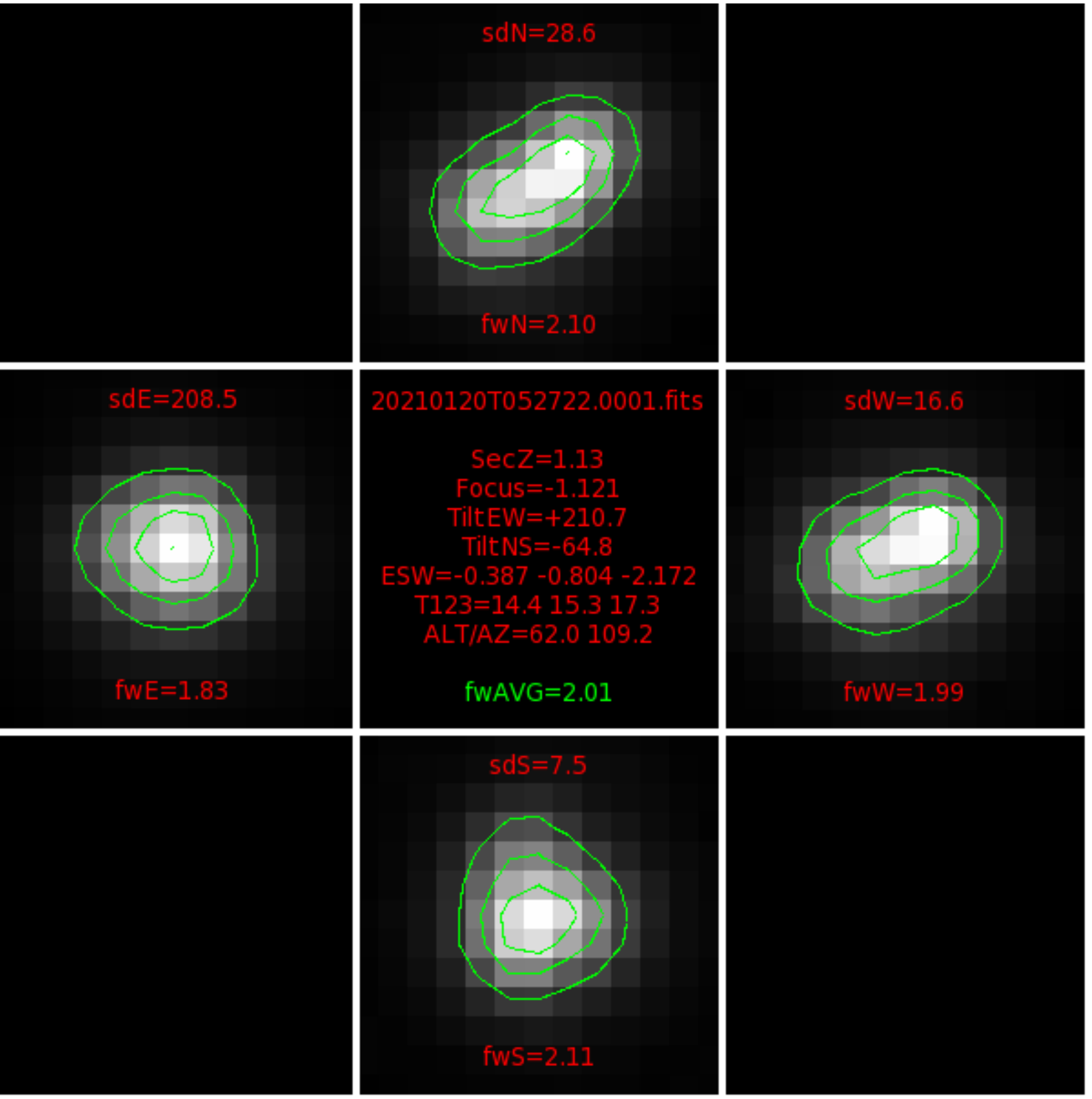
sdN=28.6
fwN=2.10
sdE=208.5
fwE=1.83
20210120T052722.0001.fits
SecZ=1.13
Focus=-1.121
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.387 -0.804 -2.172
T123=14.4 15.3 17.3
ALT/AZ=62.0 109.2
fwAVG=2.01
sdW=16.6
fwW=1.99
sdS=7.5
fwS=2.11
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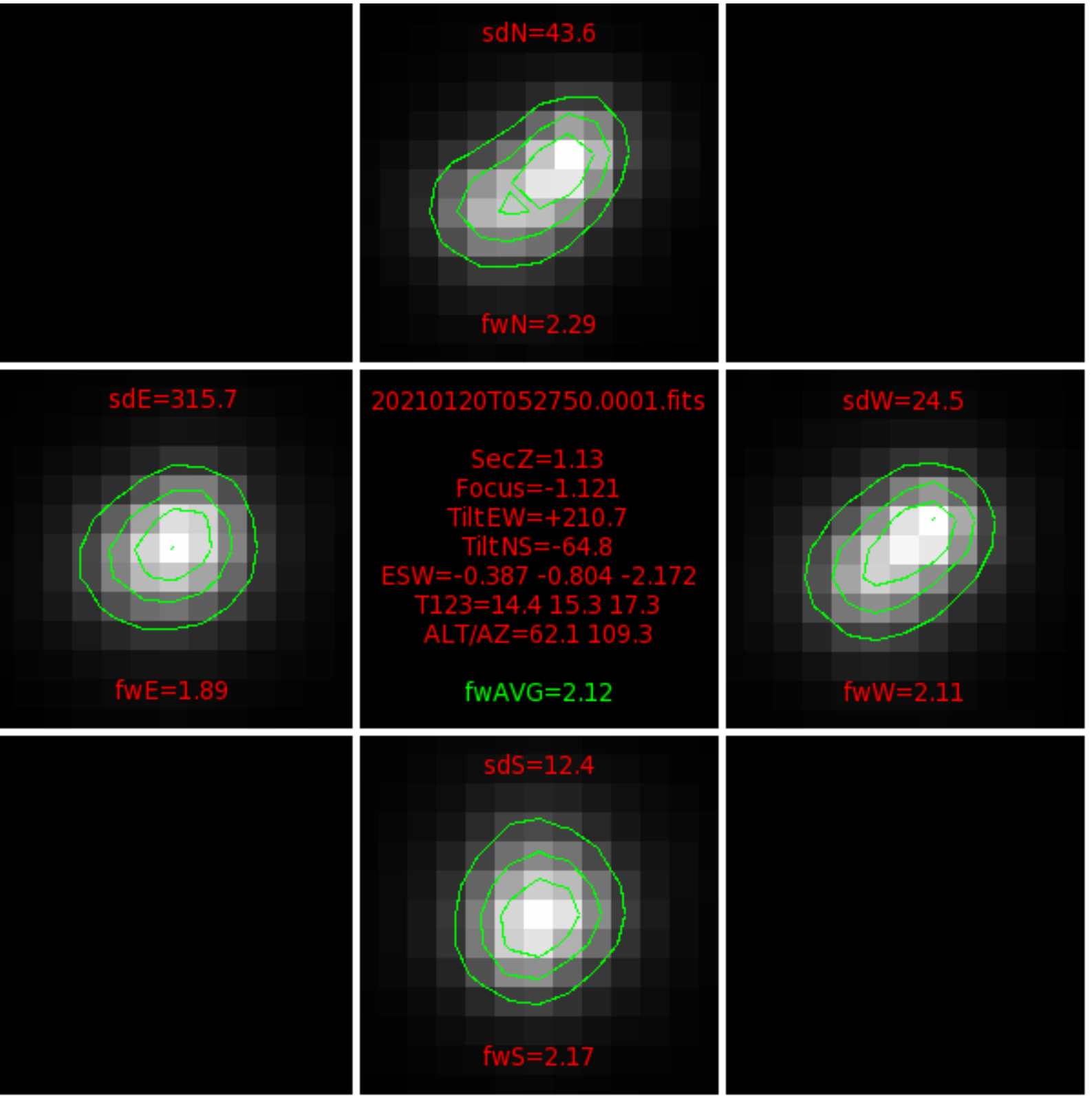
sdN=43.6
fwN=2.29
sdE=315.7
fwE=1.89
20210120T052750.0001.fits
SecZ=1.13
Focus=-1.121
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.387 -0.804 -2.172
T123=14.4 15.3 17.3
ALT/AZ=62.1 109.3
fwAVG=2.12
sdW=24.5
fwW=2.11
sdS=12.4
fwS=2.17
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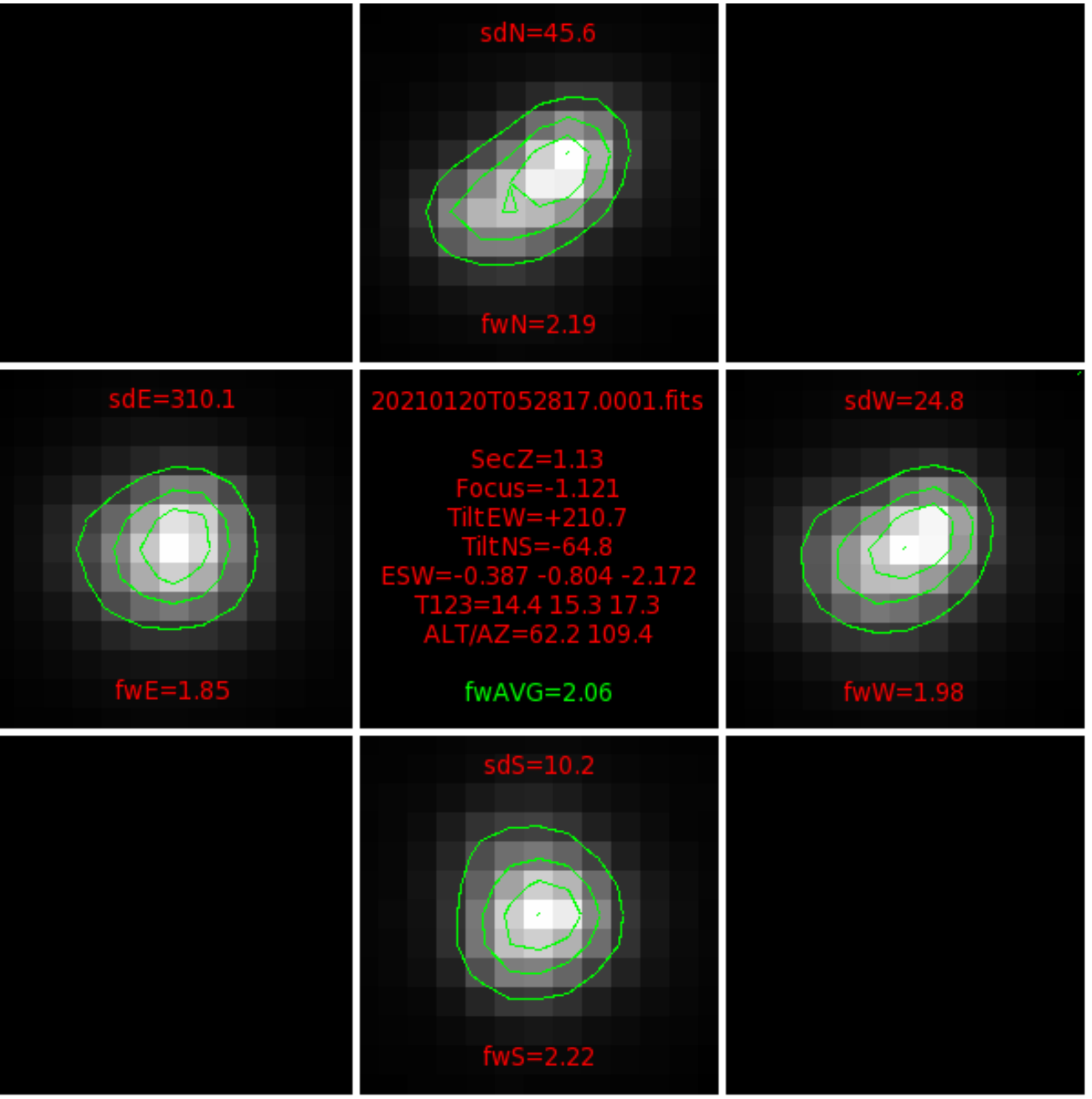
sdN=45.6
fwN=2.19
sdE=310.1
fwE=1.85
20210120T052817.0001.fits
SecZ=1.13
Focus=-1.121
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.387 -0.804 -2.172
T123=14.4 15.3 17.3
ALT/AZ=62.2 109.4
fwAVG=2.06
sdW=24.8
fwW=1.98
sdS=10.2
fwS=2.22
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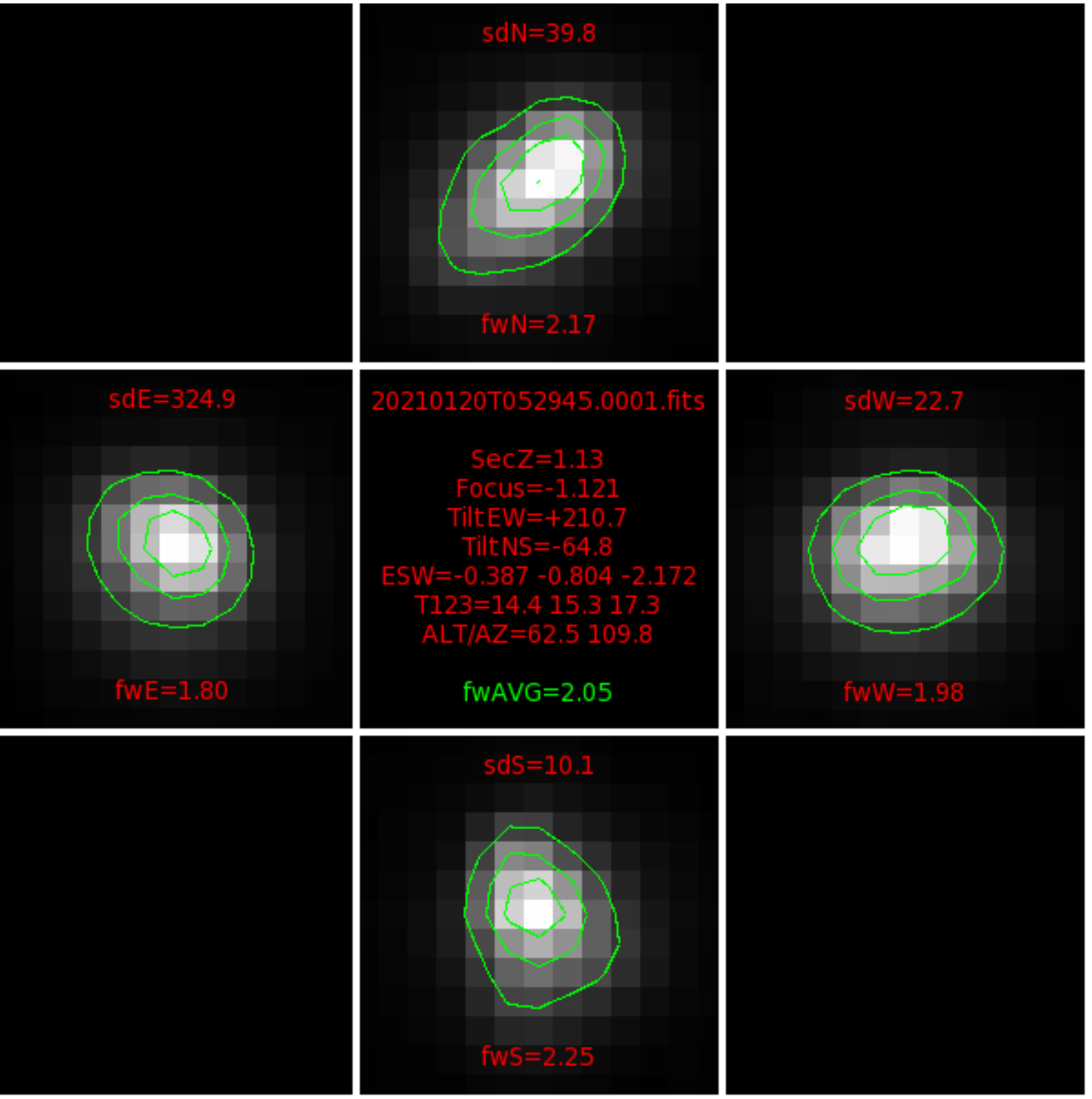
sdN=39.8
fwN=2.17
sdE=324.9
fwE=1.80
20210120T052945.0001.fits
SecZ=1.13
Focus=-1.121
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.387 -0.804 -2.172
T123=14.4 15.3 17.3
ALT/AZ=62.5 109.8
fwAVG=2.05
sdW=22.7
fwW=1.98
sdS=10.1
fwS=2.25
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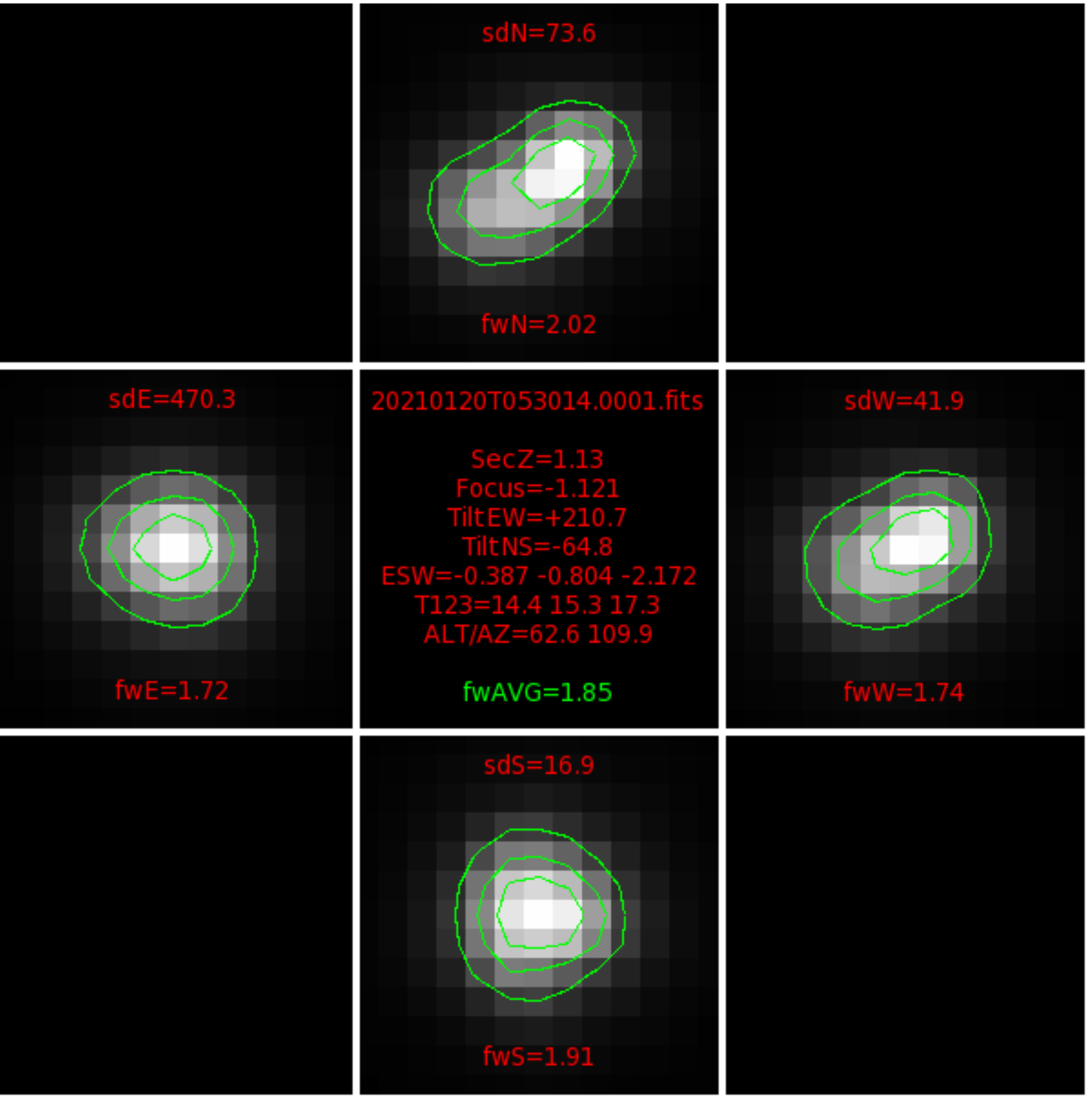
sdN=73.6
fwN=2.02
sdE=470.3
fwE=1.72
20210120T053014.0001.fits
SecZ=1.13
Focus=-1.121
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.387 -0.804 -2.172
T123=14.4 15.3 17.3
ALT/AZ=62.6 109.9
fwAVG=1.85
sdW=41.9
fwW=1.74
sdS=16.9
fwS=1.91
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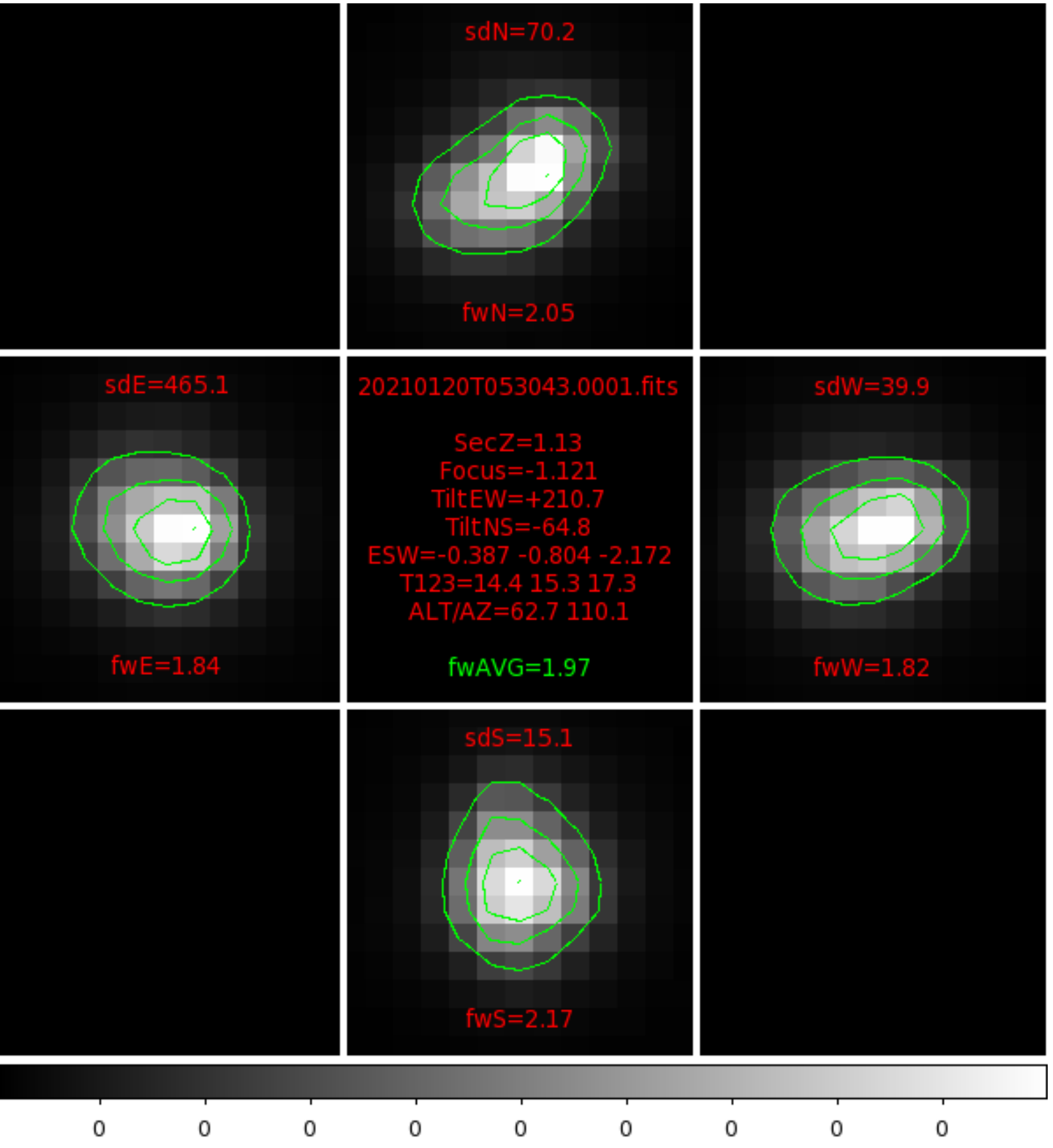
sdN=70.2
fwN=2.05
sdE=465.1
fwE=1.84
20210120T053043.0001.fits
SecZ=1.13
Focus=-1.121
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.387 -0.804 -2.172
T123=14.4 15.3 17.3
ALT/AZ=62.7 110.1
fwAVG=1.97
sdW=39.9
fwW=1.82
sdS=15.1
fwS=2.17
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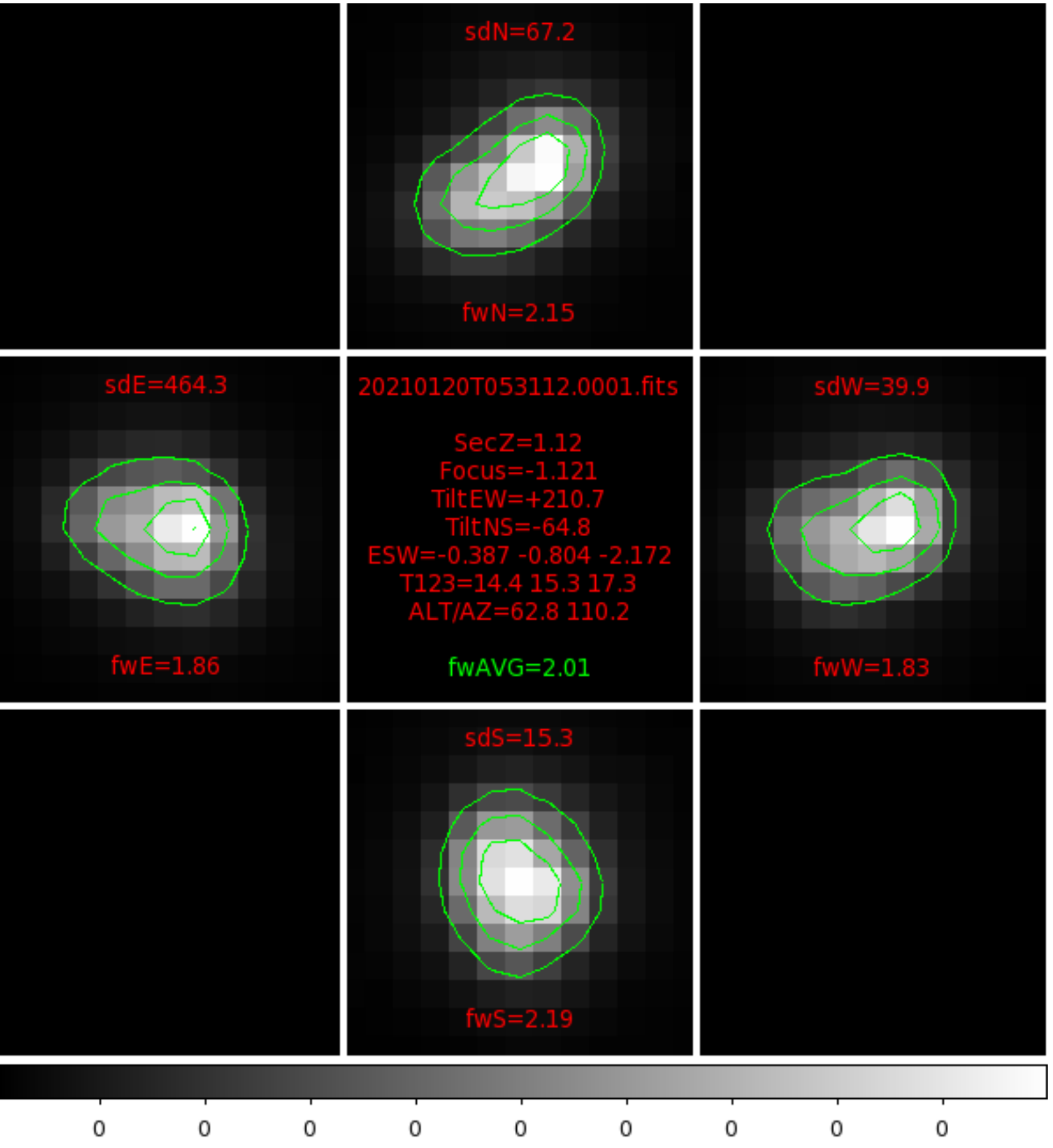
sdN=67.2
fwN=2.15
sdE=464.3
fwE=1.86
20210120T053112.0001.fits
SecZ=1.12
Focus=-1.121
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.387 -0.804 -2.172
T123=14.4 15.3 17.3
ALT/AZ=62.8 110.2
fwAVG=2.01
sdW=39.9
fwW=1.83
sdS=15.3
fwS=2.19
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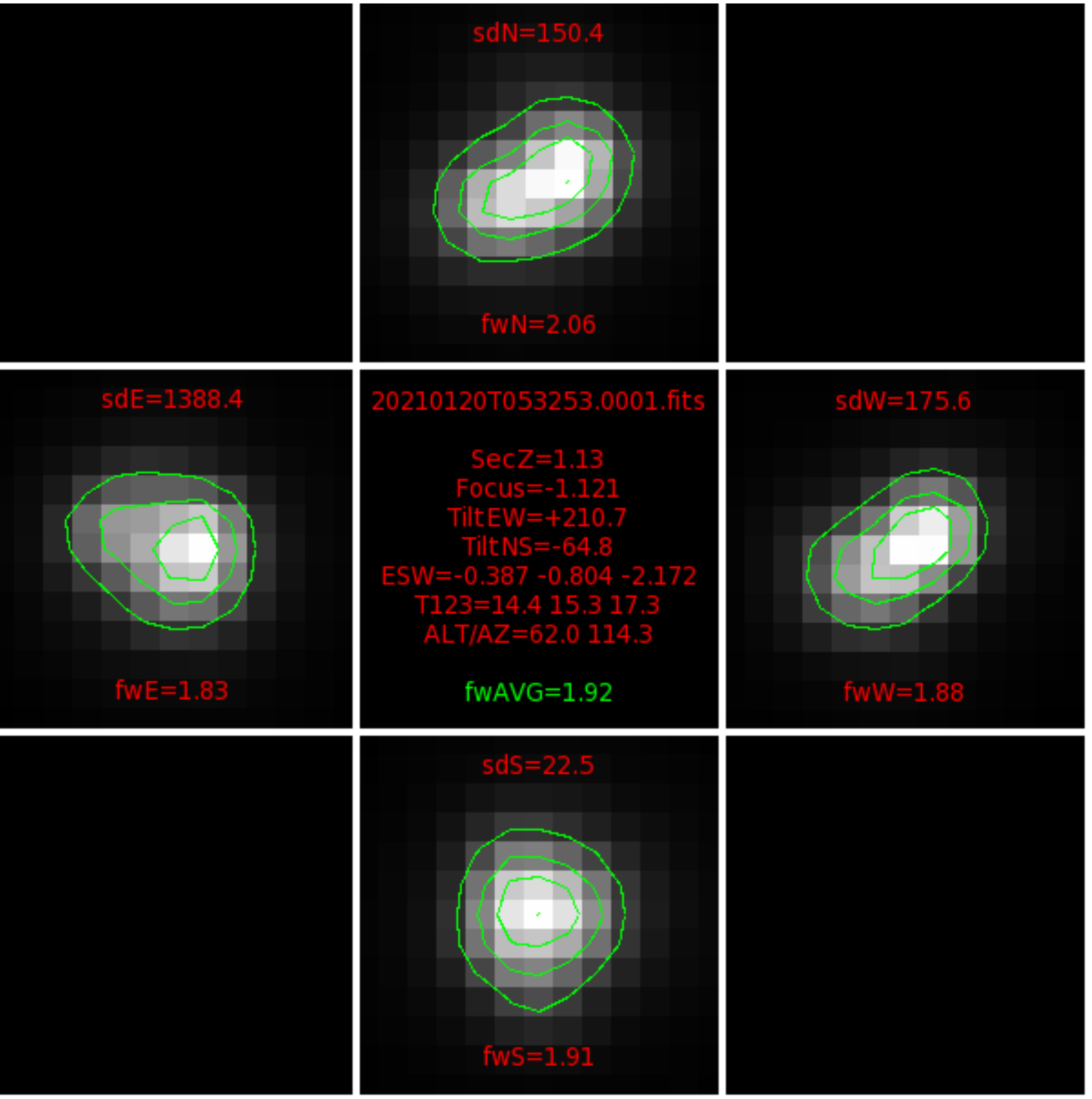
sdN=150.4
fwN=2.06
sdE=1388.4
fwE=1.83
20210120T053253.0001.fits
SecZ=1.13
Focus=-1.121
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.387 -0.804 -2.172
T123=14.4 15.3 17.3
ALT/AZ=62.0 114.3
fwAVG=1.92
sdW=175.6
fwW=1.88
sdS=22.5
fwS=1.91
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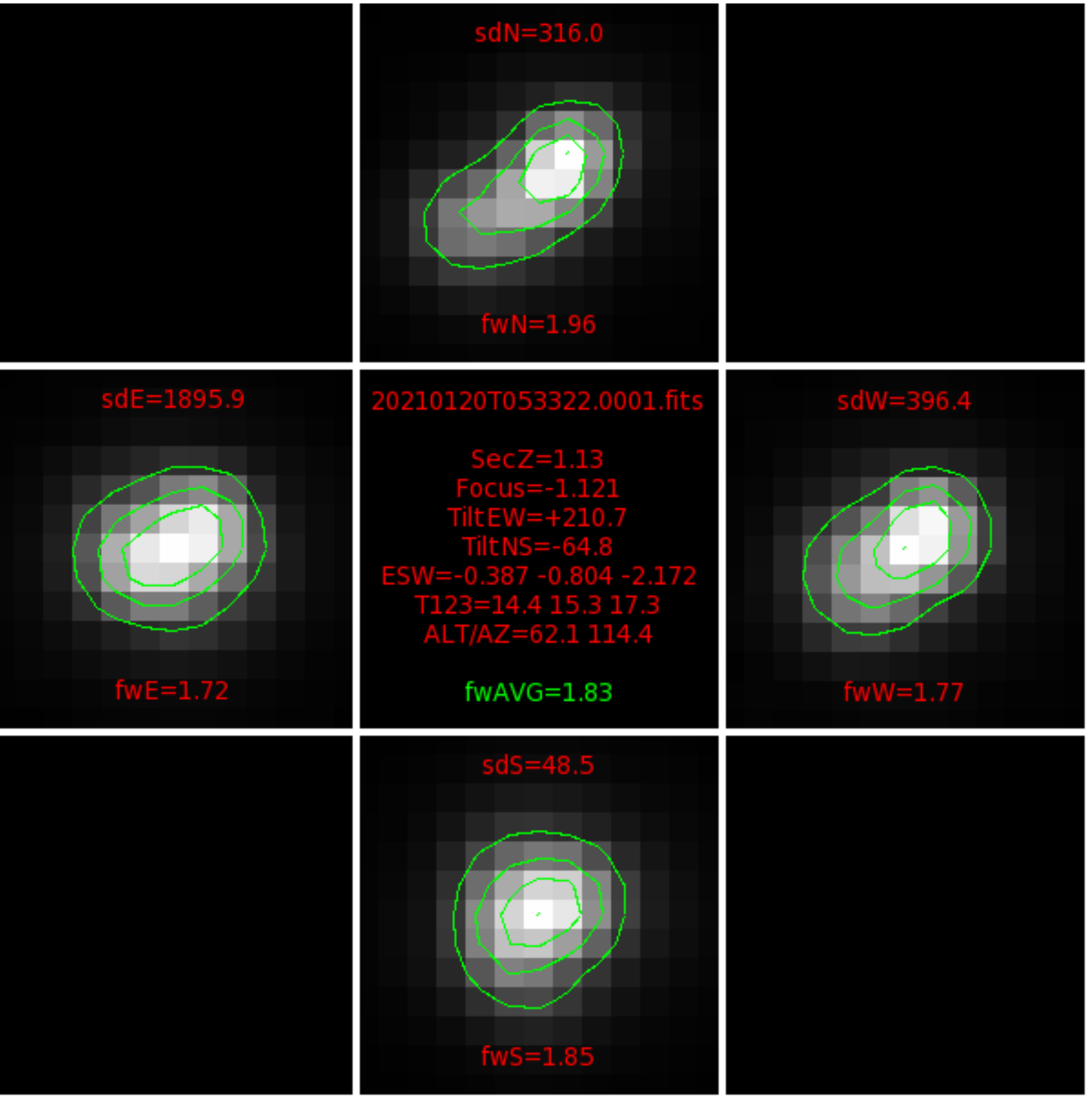
sdN=316.0
fwN=1.96
sdE=1895.9
fwE=1.72
20210120T053322.0001.fits
SecZ=1.13
Focus=-1.121
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.387 -0.804 -2.172
T123=14.4 15.3 17.3
ALT/AZ=62.1 114.4
fwAVG=1.83
sdW=396.4
fwW=1.77
sdS=48.5
fwS=1.85
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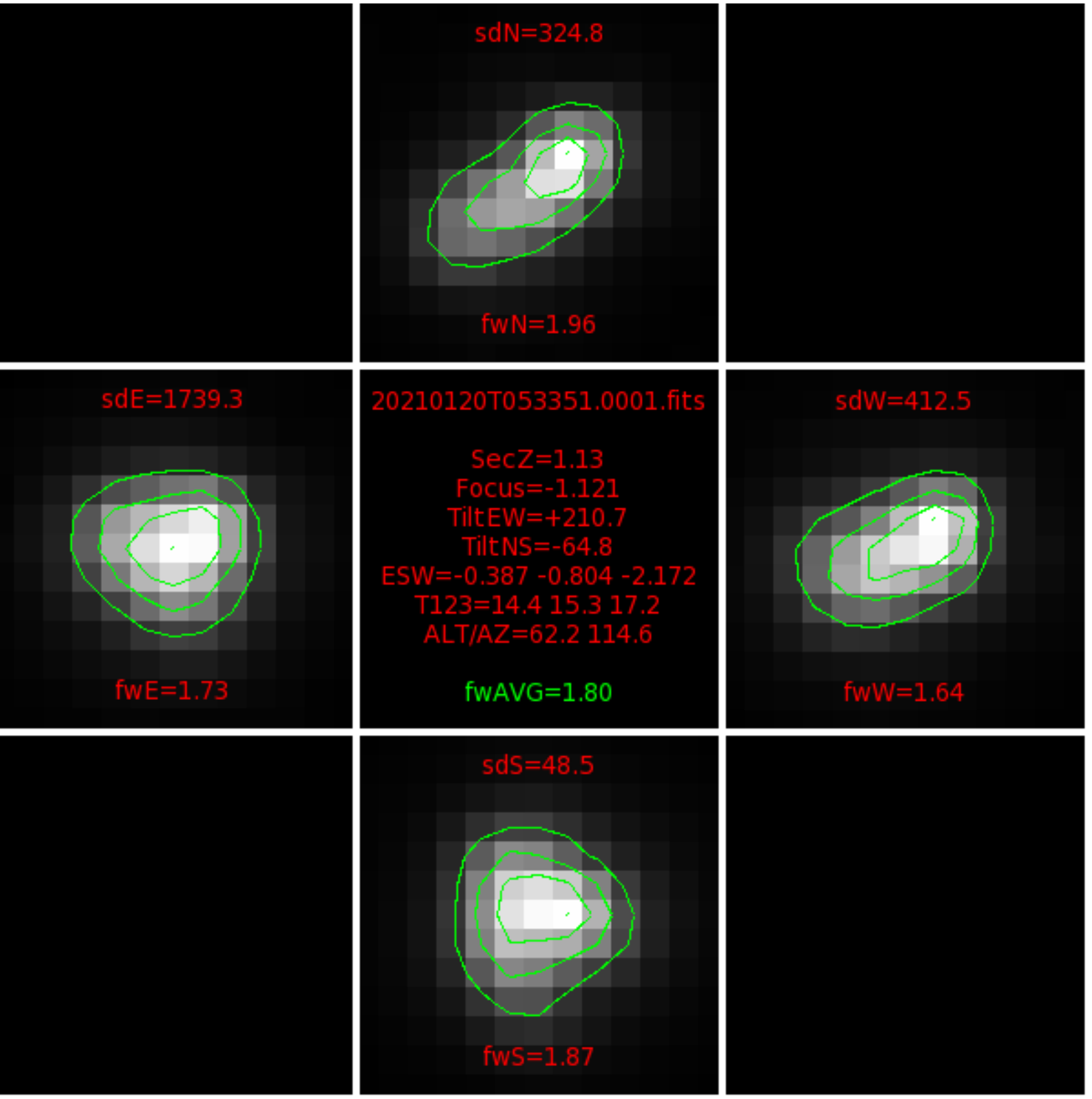
sdN=324.8
fwN=1.96
sdE=1739.3
fwE=1.73
20210120T053351.0001.fits
SecZ=1.13
Focus=-1.121
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.387 -0.804 -2.172
T123=14.4 15.3 17.2
ALT/AZ=62.2 114.6
fwAVG=1.80
sdW=412.5
fwW=1.64
sdS=48.5
fwS=1.87
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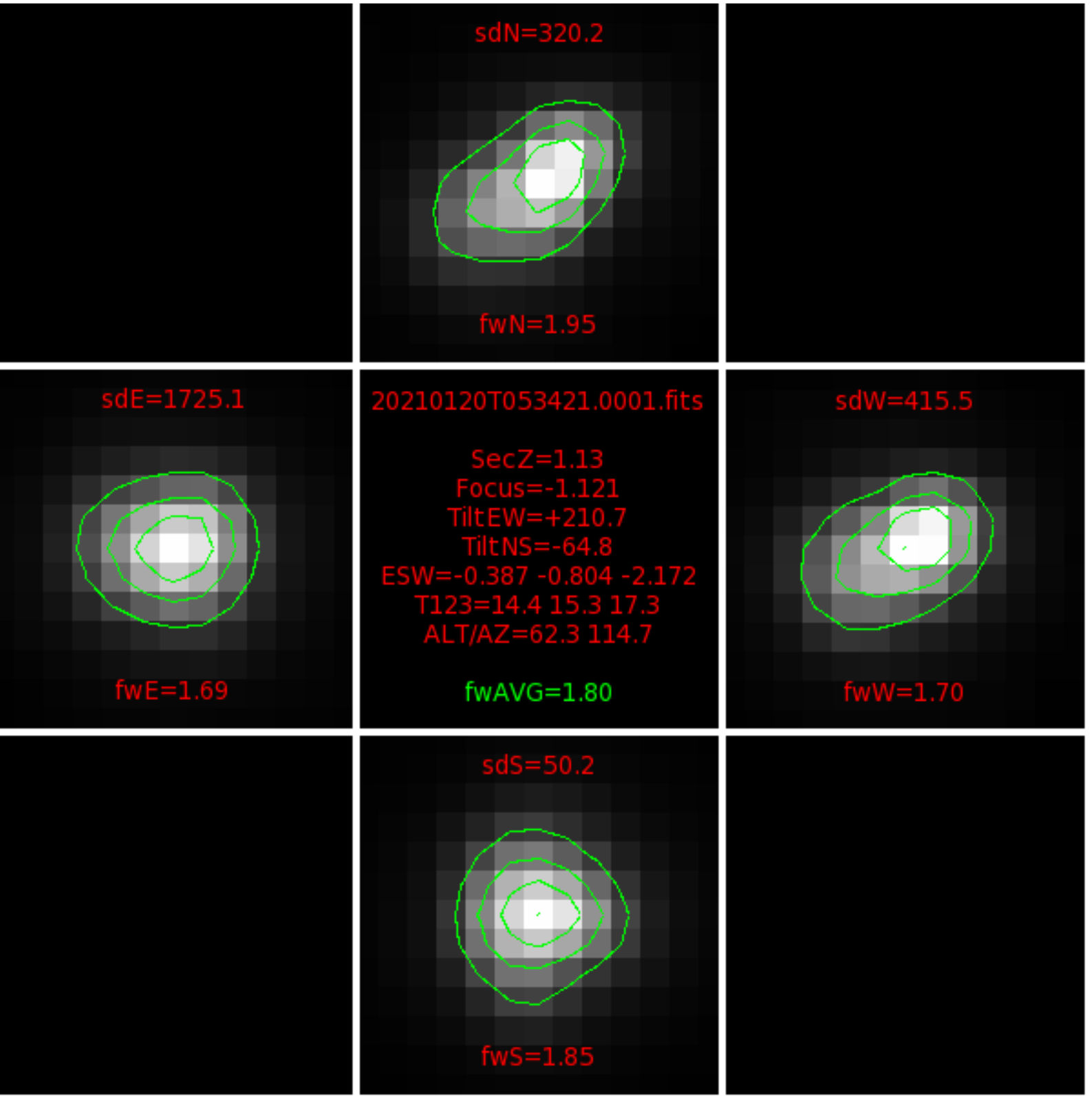
sdN=320.2
fwN=1.95
sdE=1725.1
fwE=1.69
20210120T053421.0001.fits
SecZ=1.13
Focus=-1.121
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.387 -0.804 -2.172
T123=14.4 15.3 17.3
ALT/AZ=62.3 114.7
fwAVG=1.80
sdW=415.5
fwW=1.70
sdS=50.2
fwS=1.85
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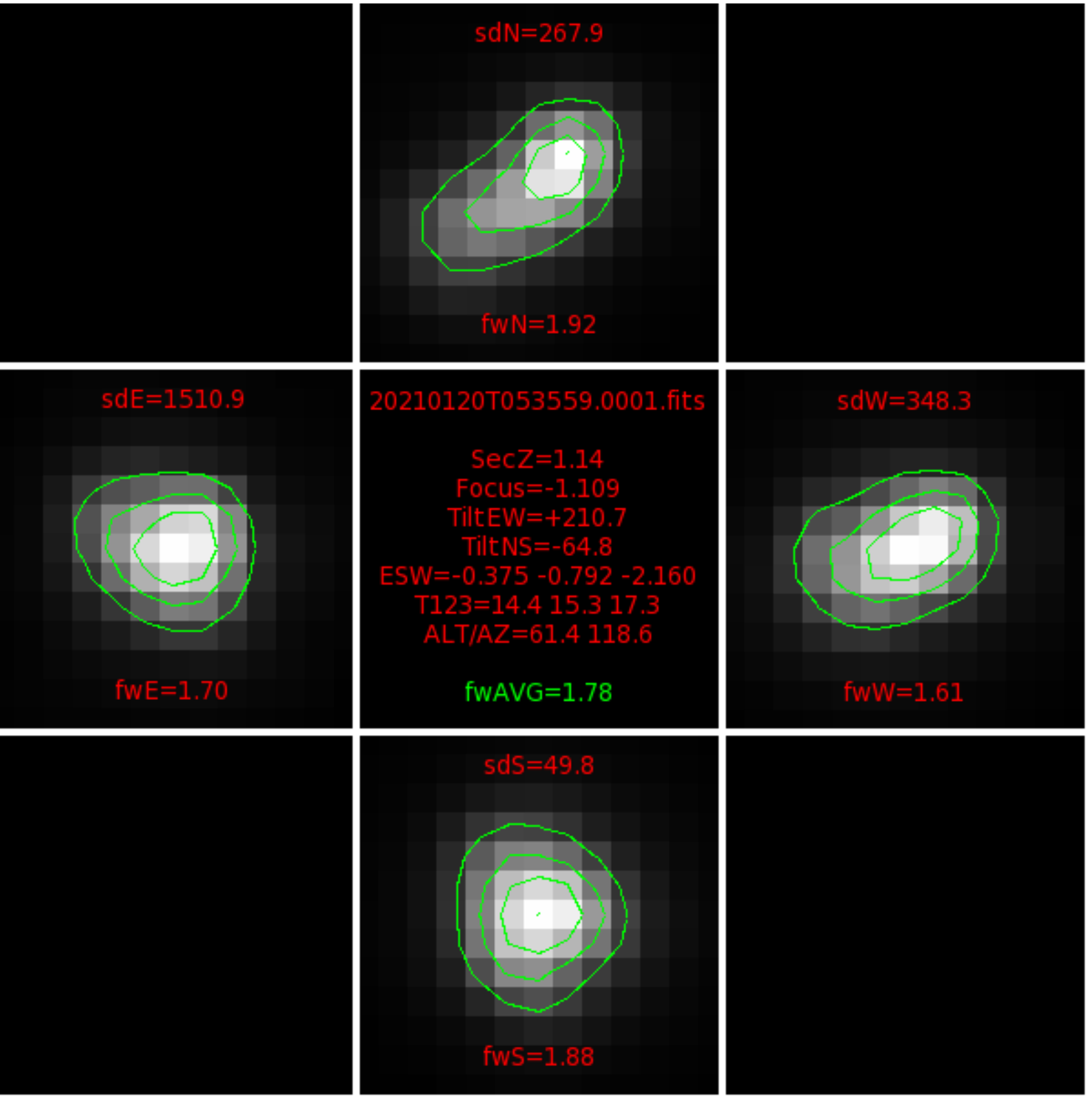
sdN=267.9
fwN=1.92
sdE=1510.9
fwE=1.70
20210120T053559.0001.fits
SecZ=1.14
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.3
ALT/AZ=61.4 118.6
fwAVG=1.78
sdW=348.3
fwW=1.61
sdS=49.8
fwS=1.88
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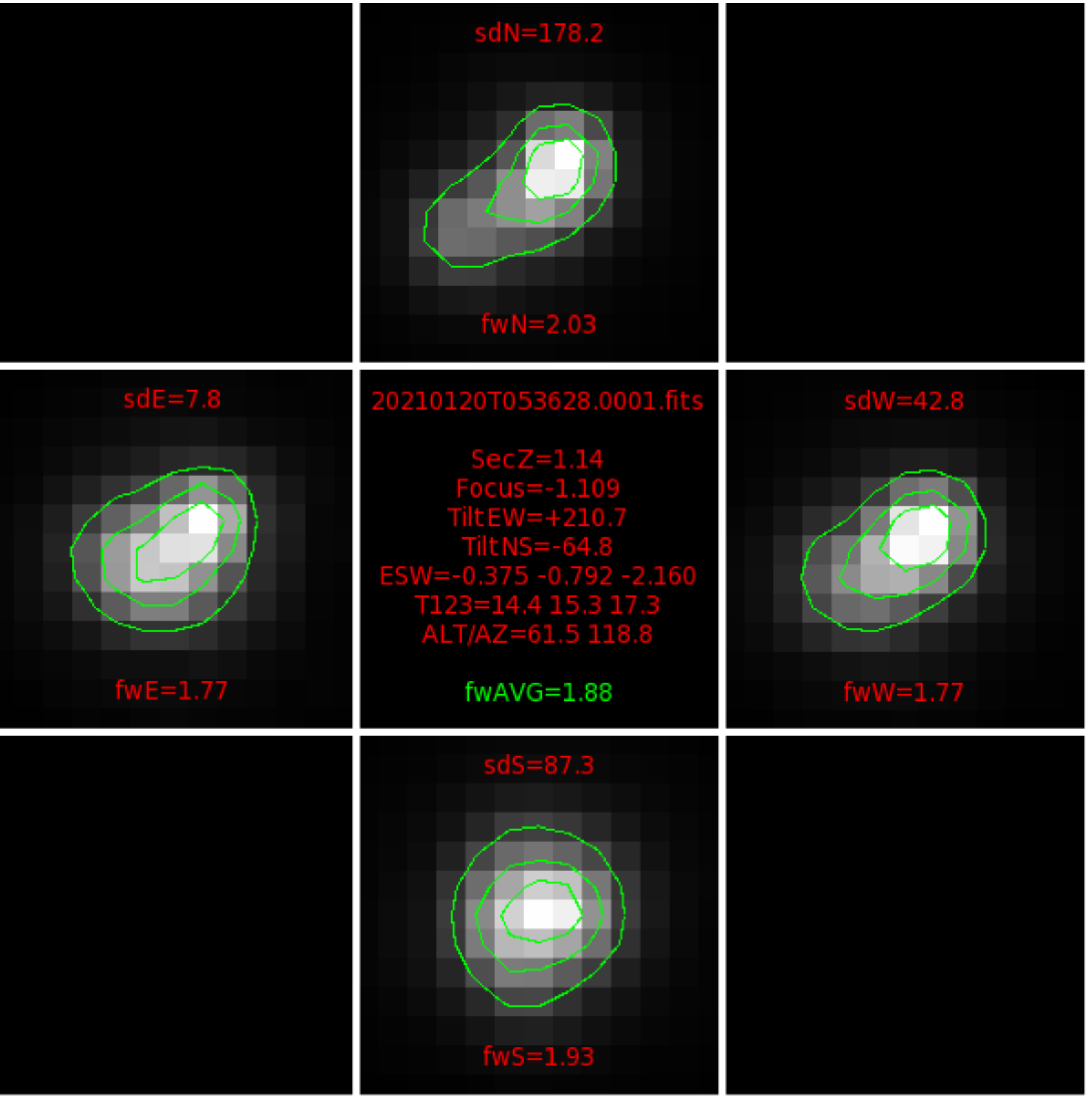
sdN=178.2
fwN=2.03
sdE=7.8
fwE=1.77
20210120T053628.0001.fits
SecZ=1.14
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.3
ALT/AZ=61.5 118.8
fwAVG=1.88
sdW=42.8
fwW=1.77
sdS=87.3
fwS=1.93
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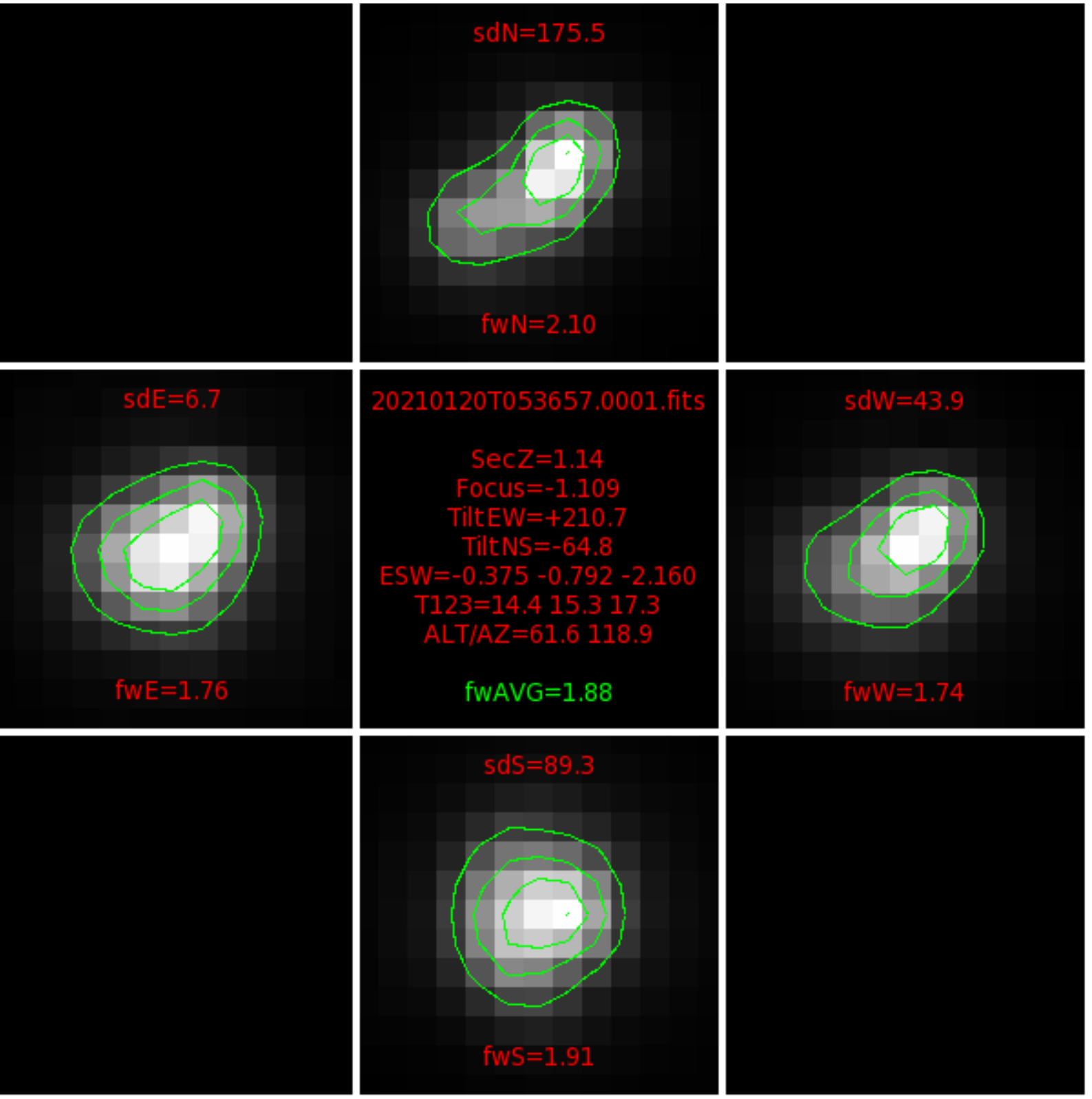
sdN=175.5
fwN=2.10
sdE=6.7
fwE=1.76
20210120T053657.0001.fits
SecZ=1.14
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.3
ALT/AZ=61.6 118.9
fwAVG=1.88
sdW=43.9
fwW=1.74
sdS=89.3
fwS=1.91
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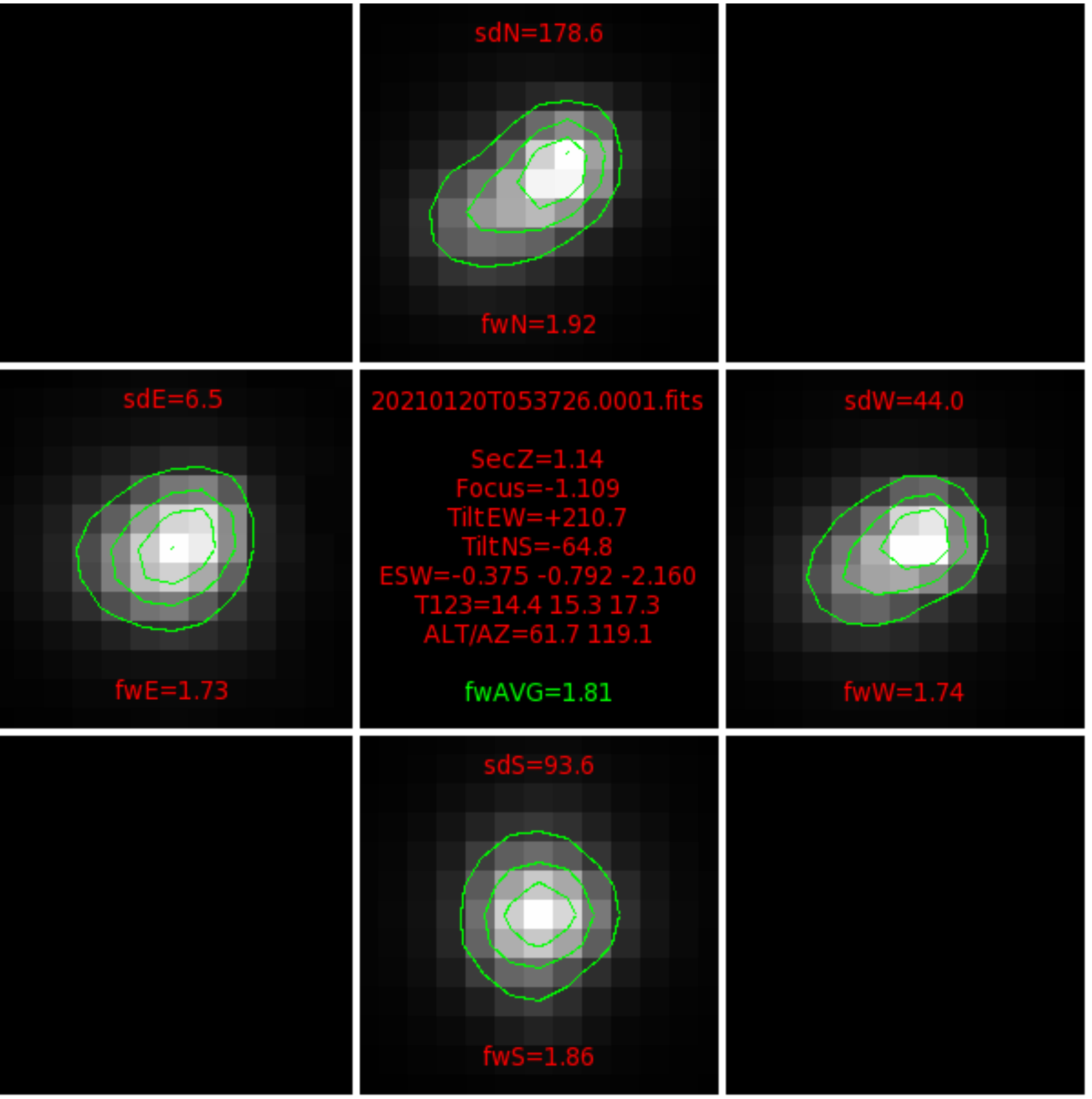
sdN=178.6
fwN=1.92
sdE=6.5
fwE=1.73
20210120T053726.0001.fits
SecZ=1.14
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.3
ALT/AZ=61.7 119.1
fwAVG=1.81
sdW=44.0
fwW=1.74
sdS=93.6
fwS=1.86
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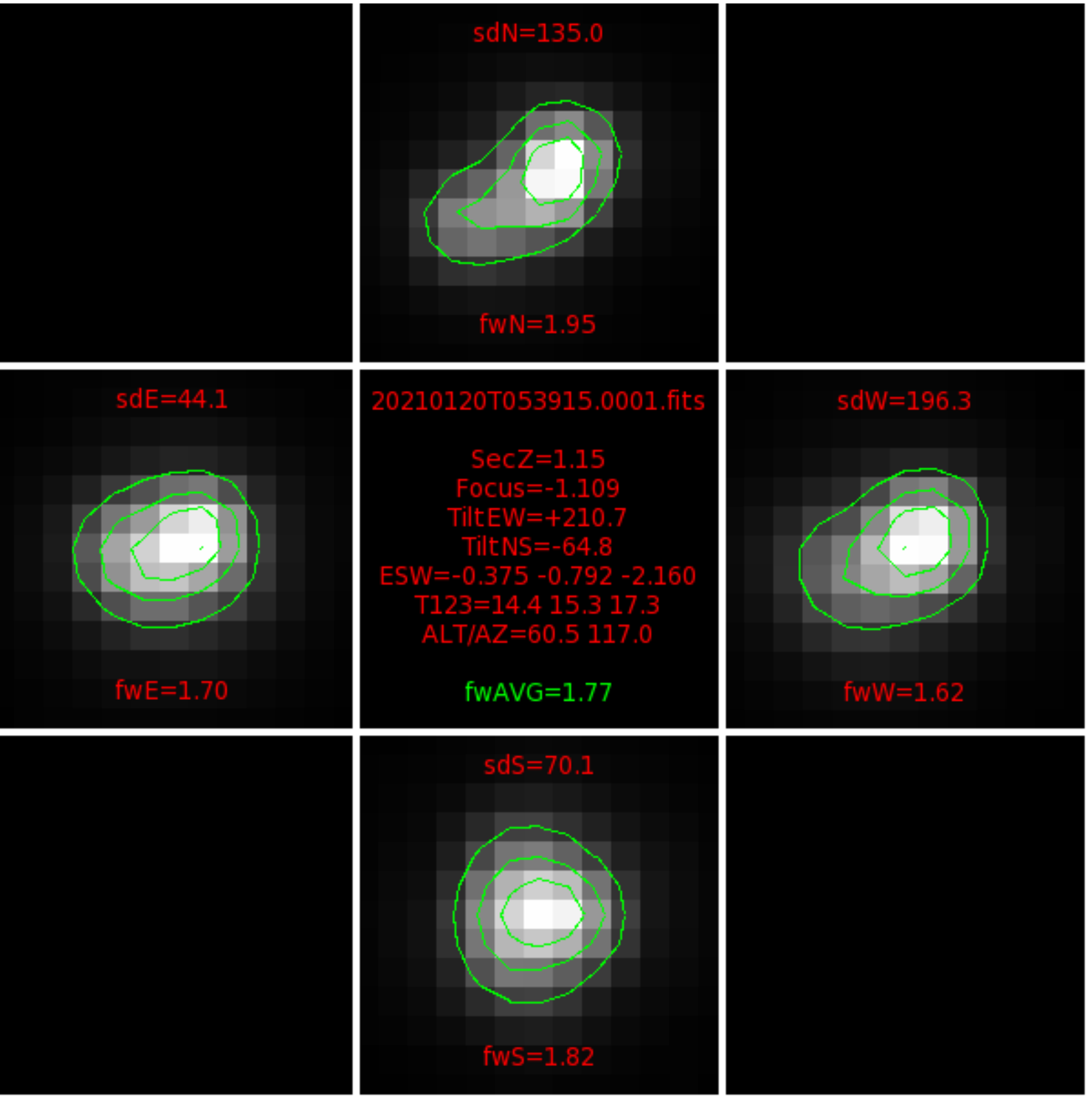
sdN=135.0
fwN=1.95
sdE=44.1
fwE=1.70
20210120T053915.0001.fits
SecZ=1.15
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.3
ALT/AZ=60.5 117.0
fwAVG=1.77
sdW=196.3
fwW=1.62
sdS=70.1
fwS=1.82
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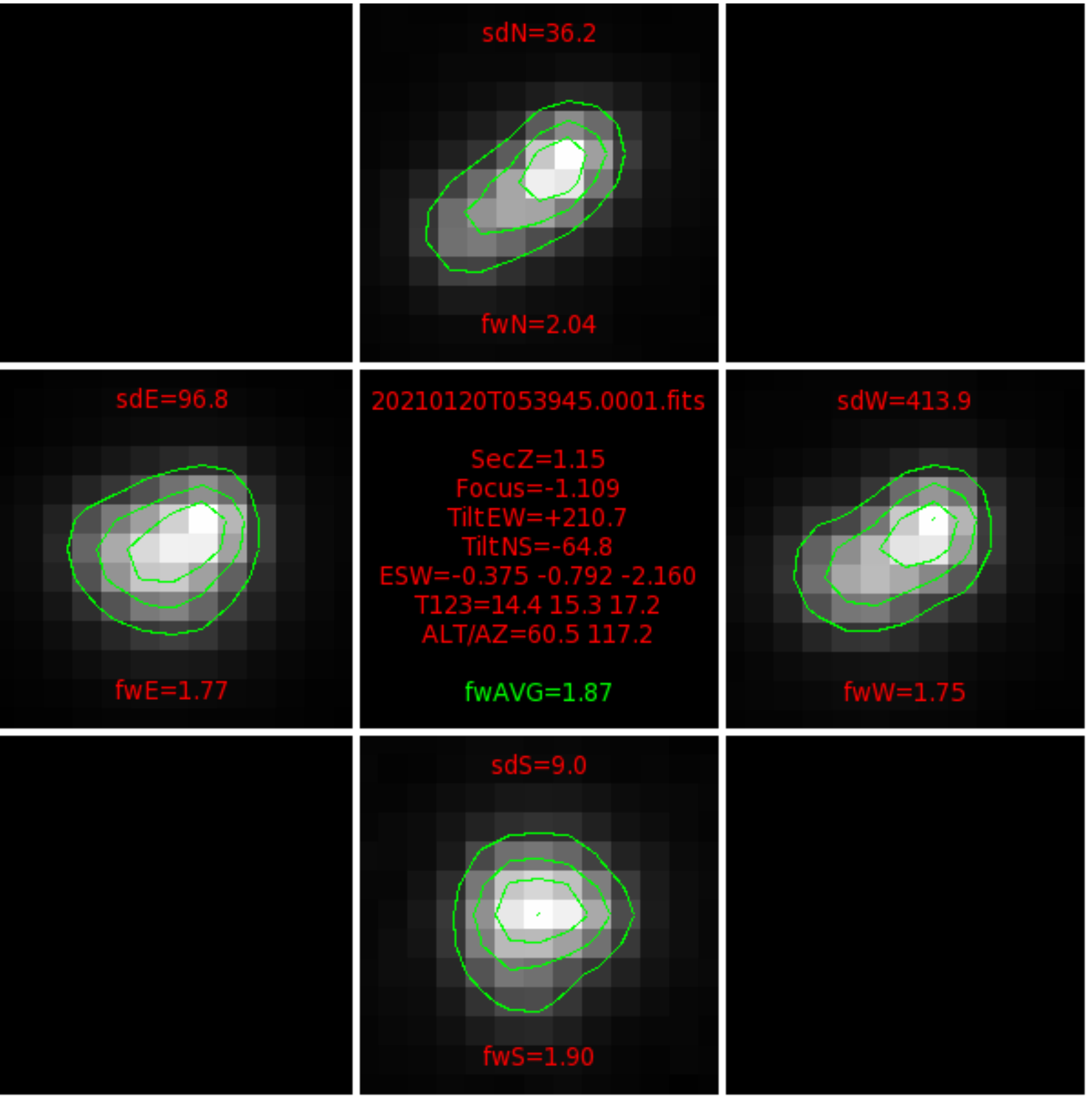
sdN=36.2
fwN=2.04
sdE=96.8
fwE=1.77
20210120T053945.0001.fits
SecZ=1.15
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.2
ALT/AZ=60.5 117.2
fwAVG=1.87
sdW=413.9
fwW=1.75
sdS=9.0
fwS=1.90
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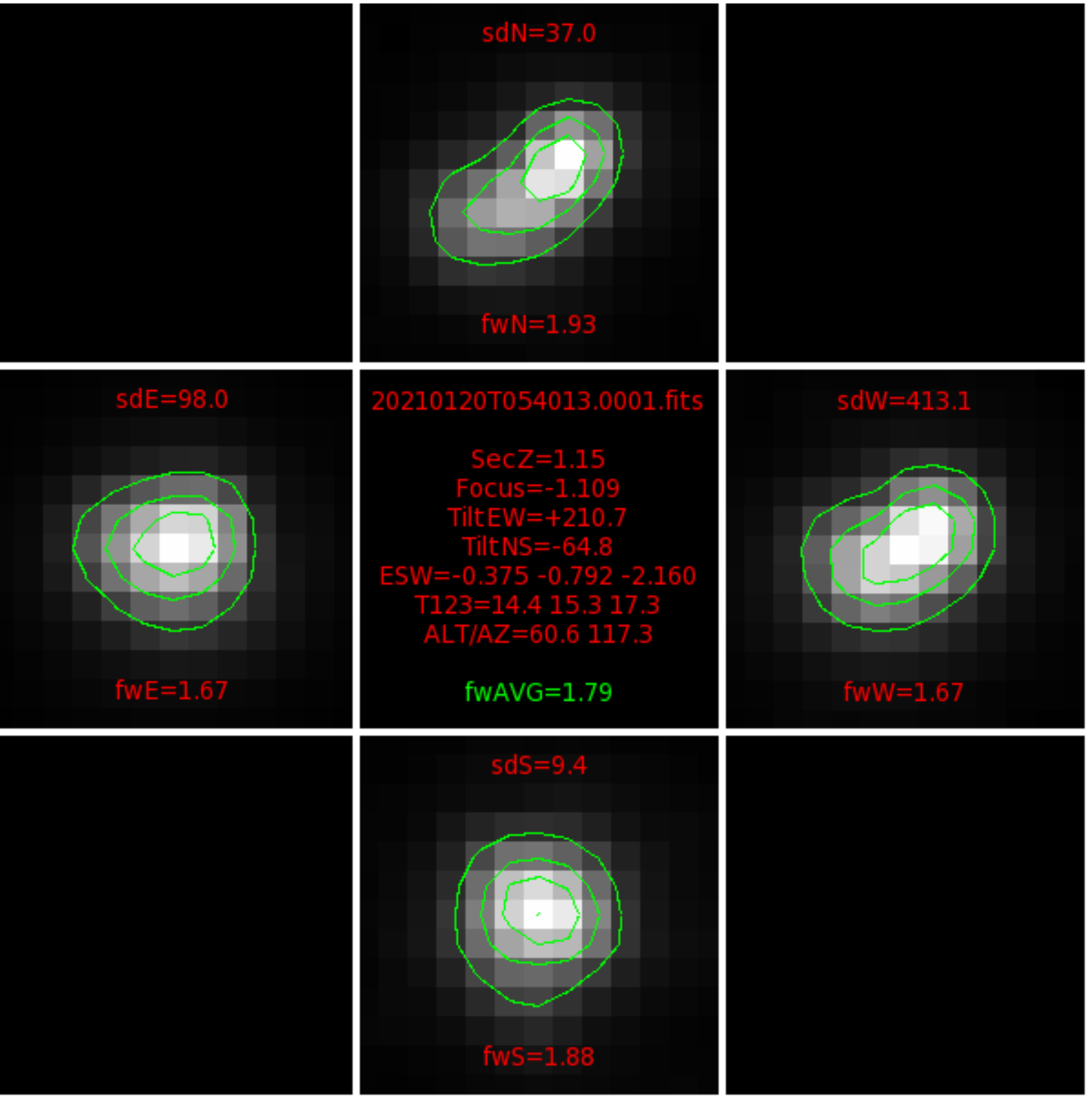
sdN=37.0
fwN=1.93
sdE=98.0
fwE=1.67
20210120T054013.0001.fits
SecZ=1.15
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.3
ALT/AZ=60.6 117.3
fwAVG=1.79
sdW=413.1
fwW=1.67
sdS=9.4
fwS=1.88
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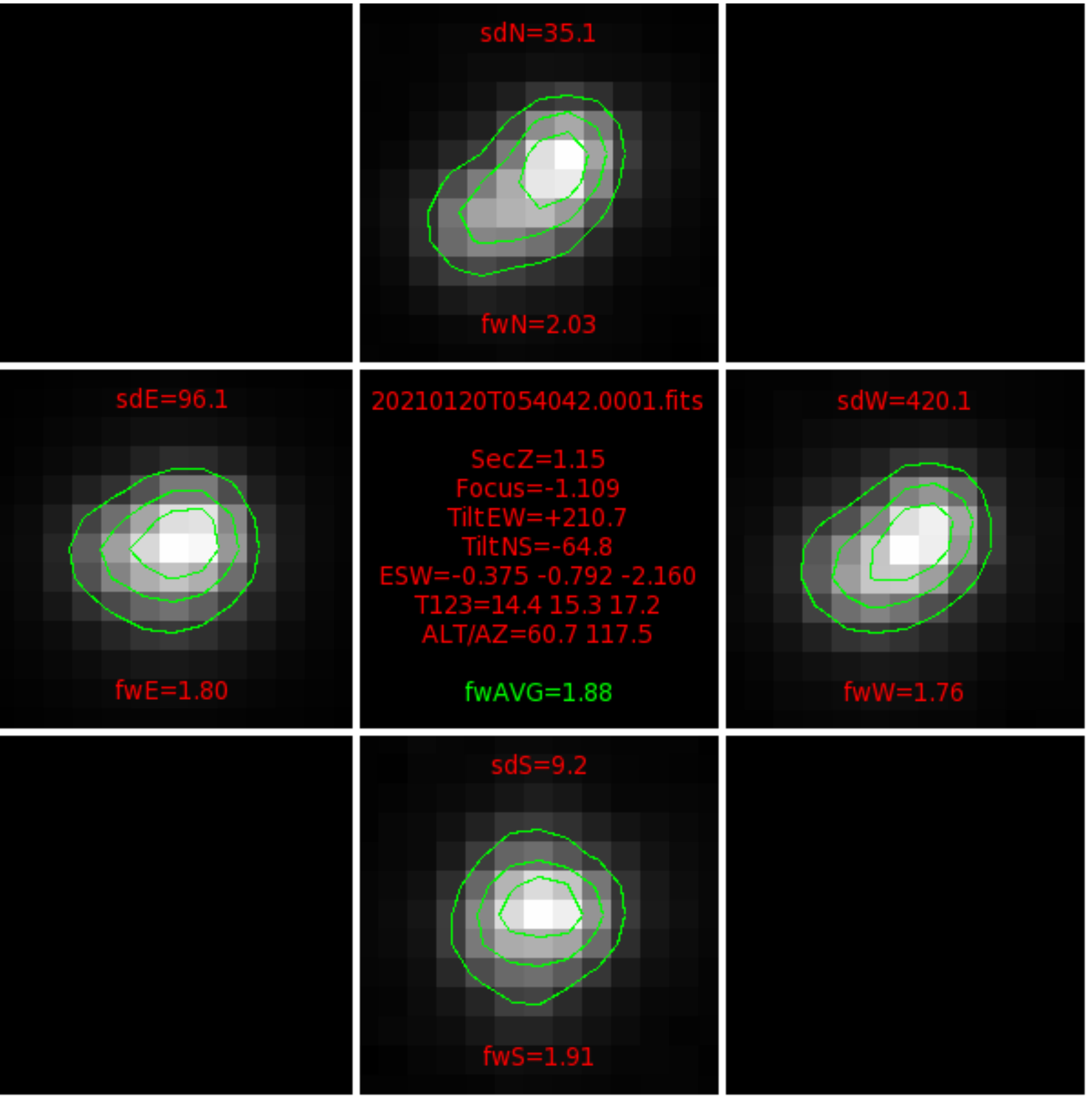
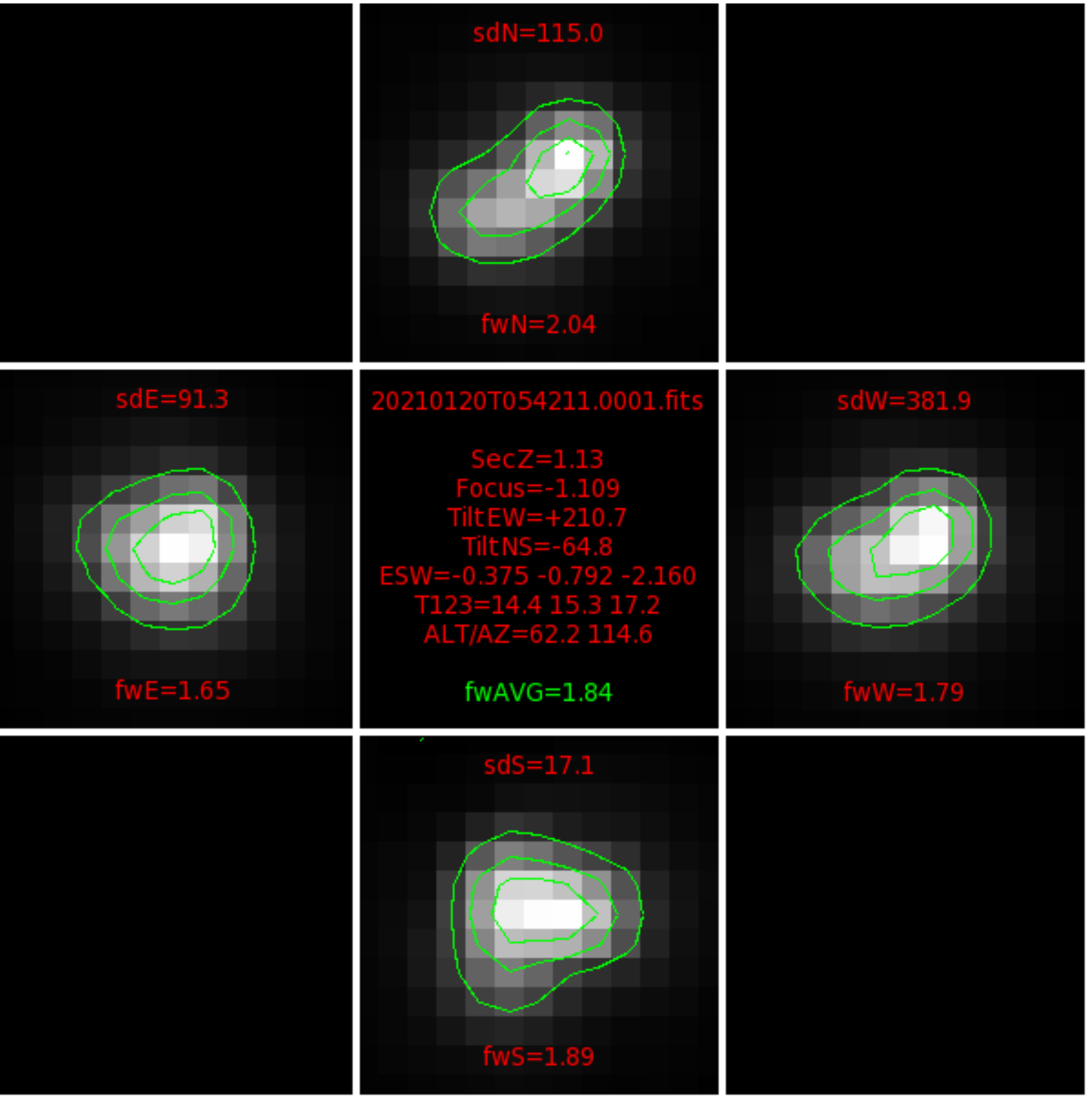

sdN=35.1
fwN=2.03
sdE=96.1
fwE=1.80
20210120T054042.0001.fits
SecZ=1.15
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.2
ALT/AZ=60.7 117.5
fwAVG=1.88
sdW=420.1
fwW=1.76
sdS=9.2
fwS=1.91
0 0 0 0 0 0 0 0 0


sdN=115.0
fwN=2.04
sdE=91.3
fwE=1.65
20210120T054211.0001.fits
SecZ=1.13
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.2
ALT/AZ=62.2 114.6
fwAVG=1.84
sdW=381.9
fwW=1.79
sdS=17.1
fwS=1.89
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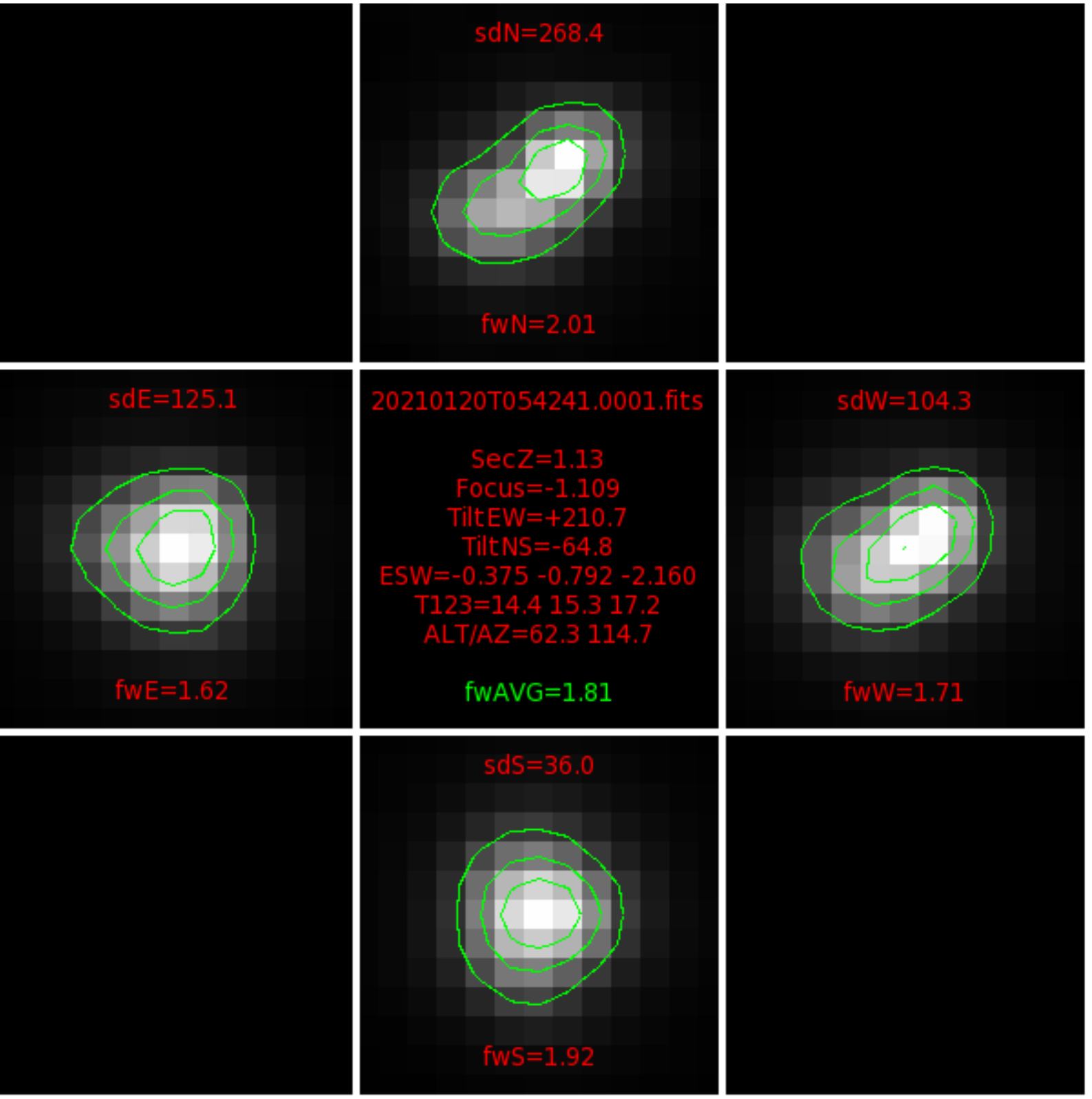
sdN=268.4
fwN=2.01
sdE=125.1
fwE=1.62
20210120T054241.0001.fits
SecZ=1.13
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.2
ALT/AZ=62.3 114.7
fwAVG=1.81
sdW=104.3
fwW=1.71
sdS=36.0
fwS=1.92
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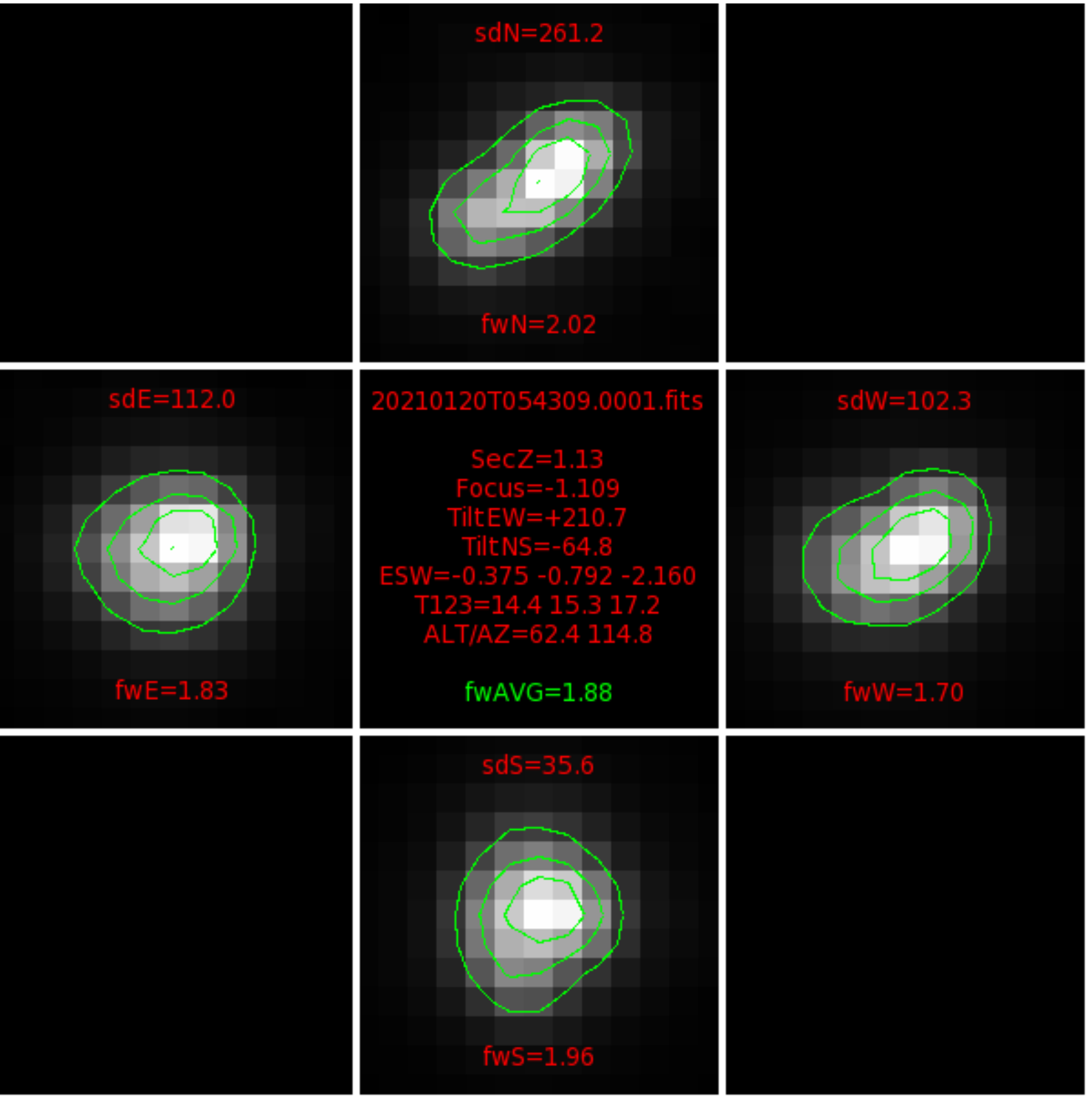
sdN=261.2
fwN=2.02
sdE=112.0
fwE=1.83
20210120T054309.0001.fits
SecZ=1.13
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.2
ALT/AZ=62.4 114.8
fwAVG=1.88
sdW=102.3
fwW=1.70
sdS=35.6
fwS=1.96
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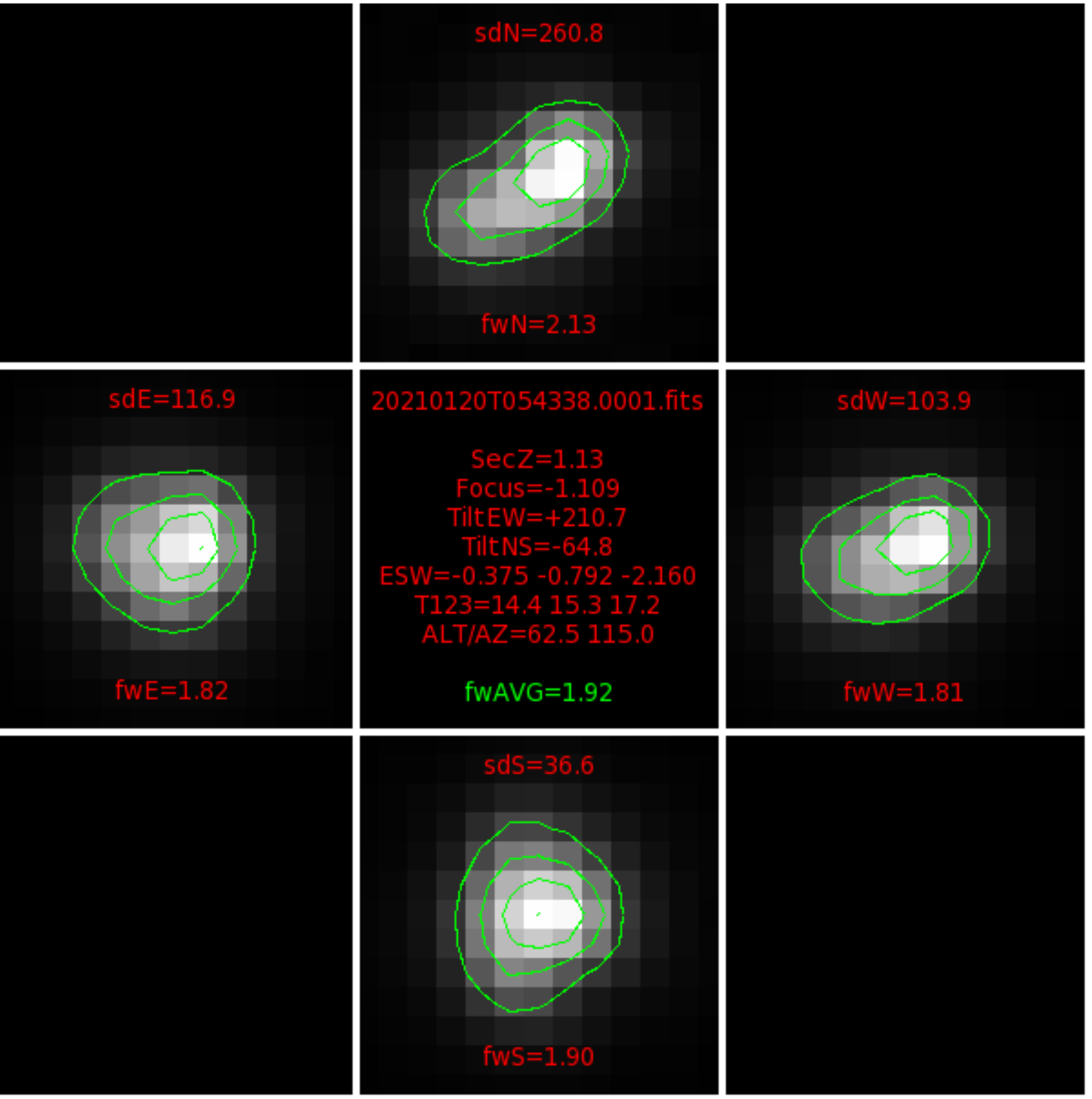
sdN=260.8
fwN=2.13
sdE=116.9
fwE=1.82
20210120T054338.0001.fits
SecZ=1.13
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.2
ALT/AZ=62.5 115.0
fwAVG=1.92
sdW=103.9
fwW=1.81
sdS=36.6
fwS=1.90
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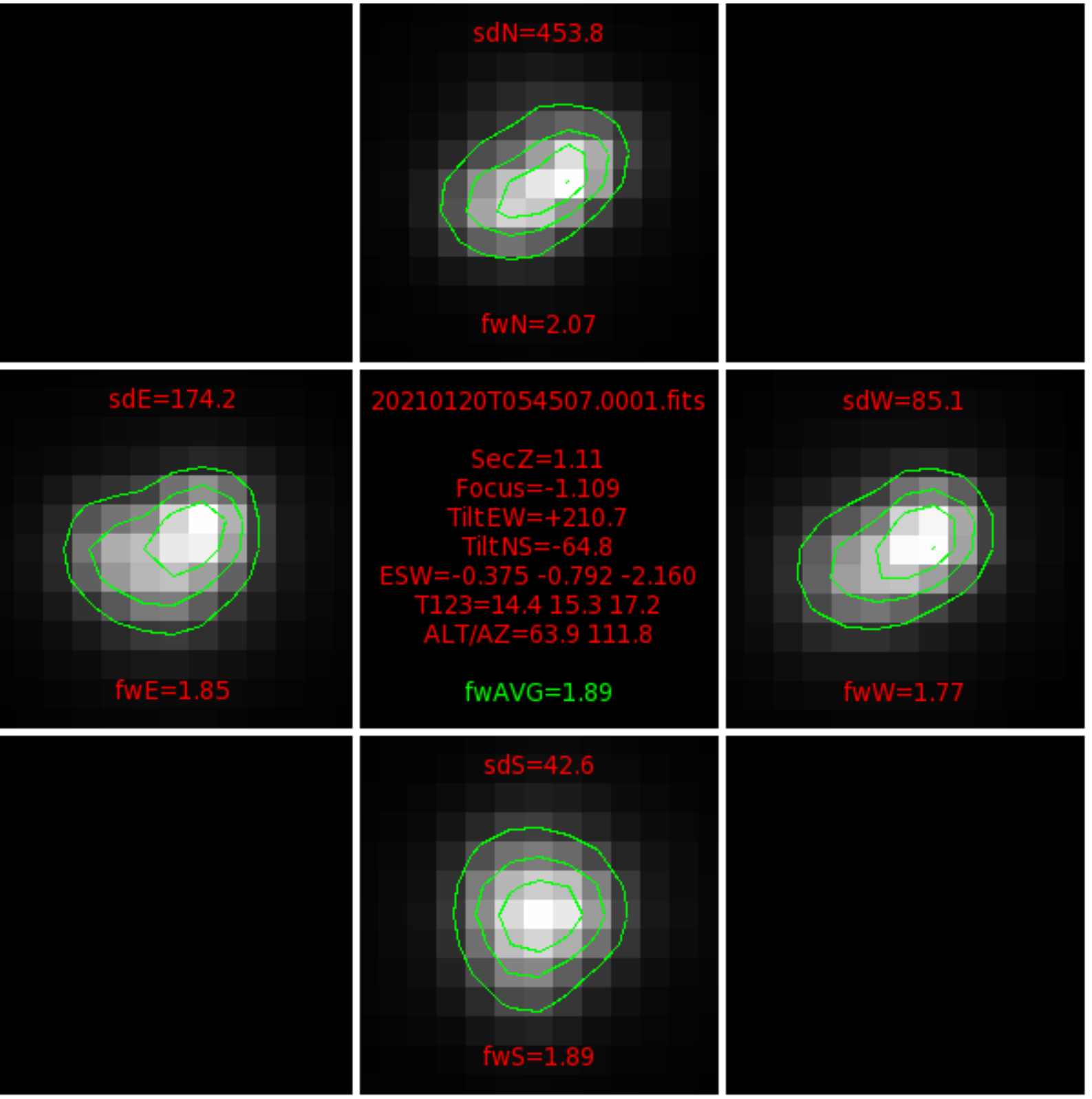
sdN=453.8
fwN=2.07
sdE=174.2
fwE=1.85
20210120T054507.0001.fits
SecZ=1.11
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.2
ALT/AZ=63.9 111.8
fwAVG=1.89
sdW=85.1
fwW=1.77
sdS=42.6
fwS=1.89
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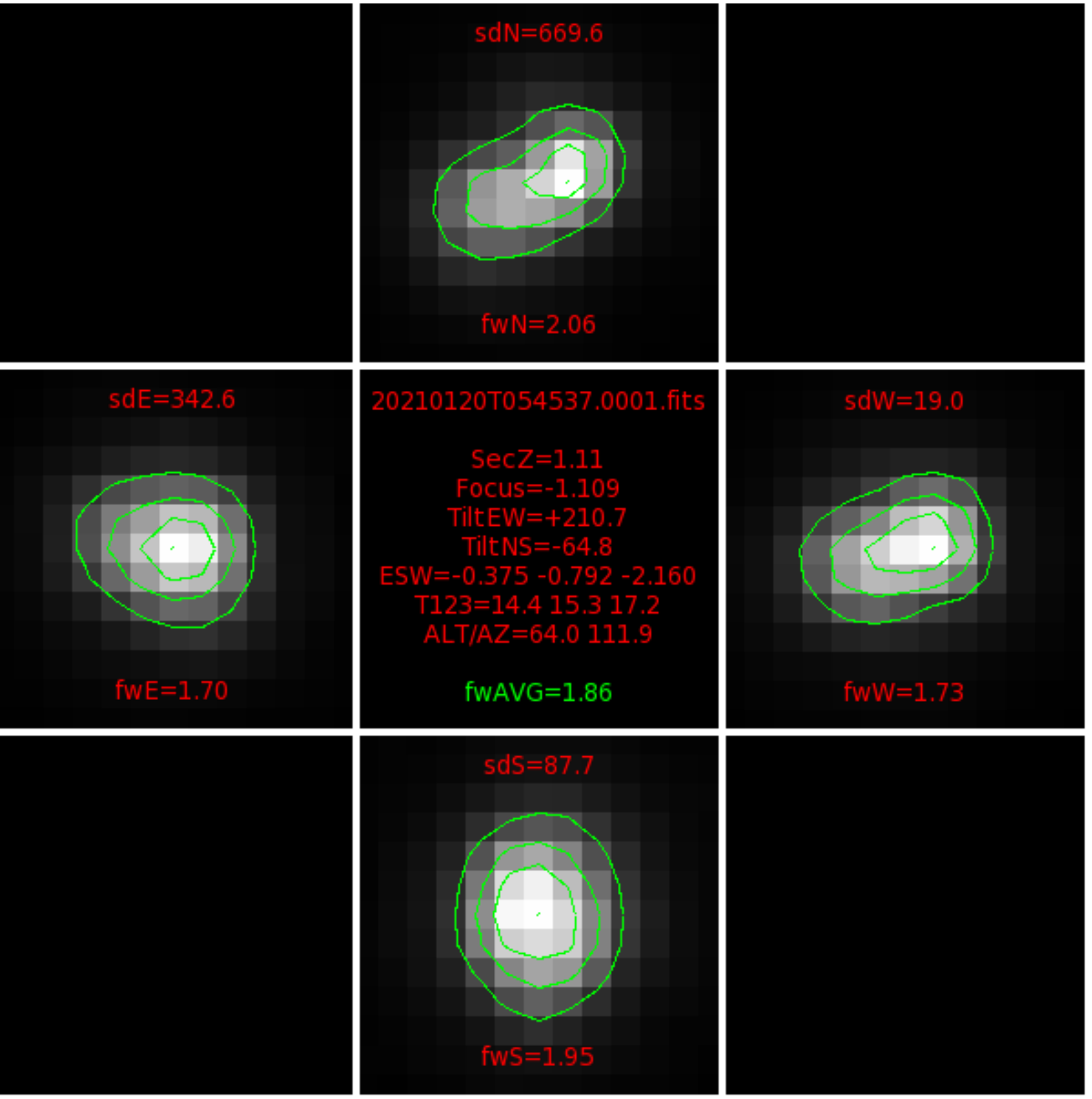
sdN=669.6
fwN=2.06
sdE=342.6
fwE=1.70
20210120T054537.0001.fits
SecZ=1.11
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.2
ALT/AZ=64.0 111.9
fwAVG=1.86
sdW=19.0
fwW=1.73
sdS=87.7
fwS=1.95
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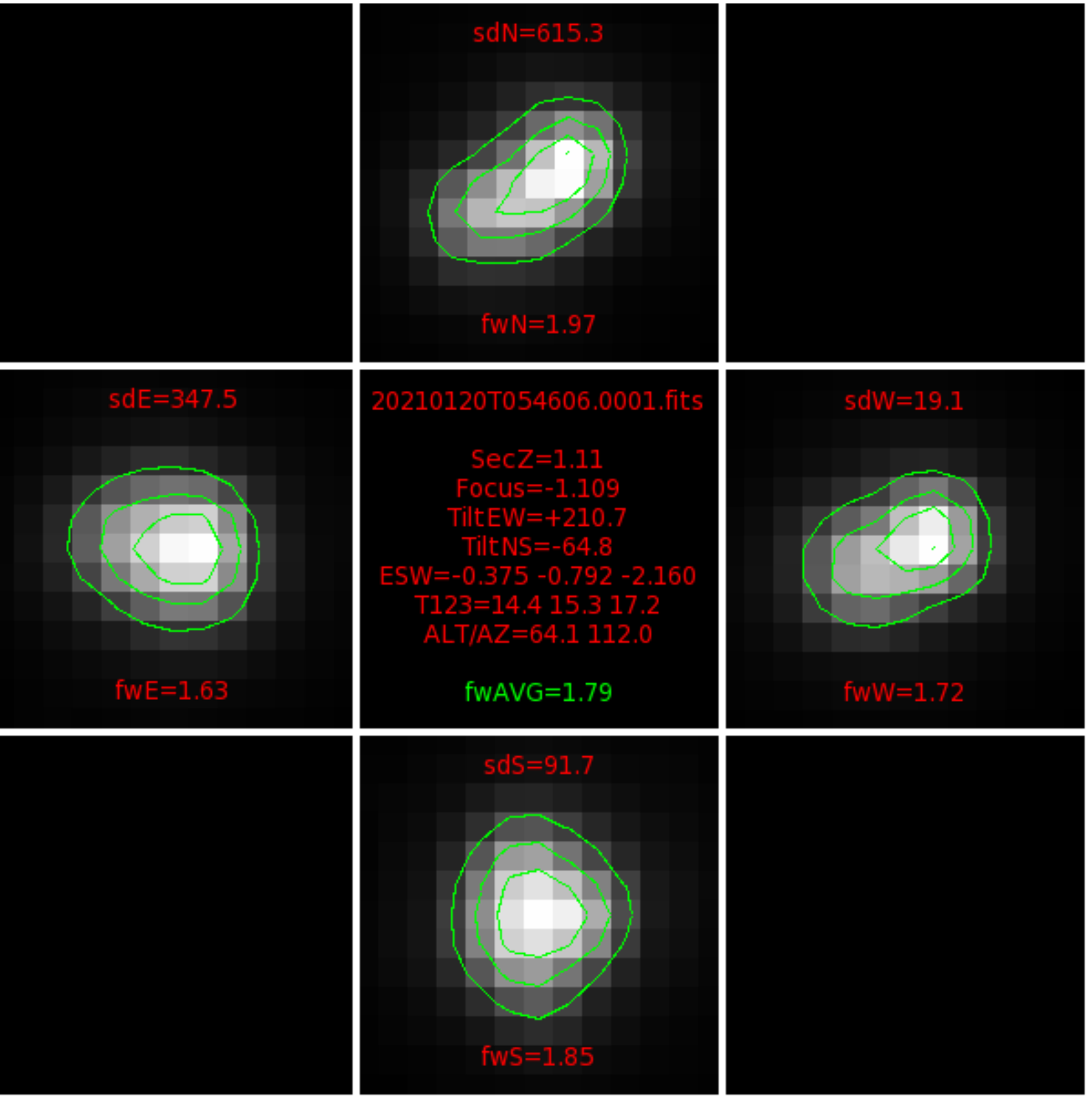
sdN=615.3
fwN=1.97
sdE=347.5
fwE=1.63
20210120T054606.0001.fits
SecZ=1.11
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.2
ALT/AZ=64.1 112.0
fwAVG=1.79
sdW=19.1
fwW=1.72
sdS=91.7
fwS=1.85
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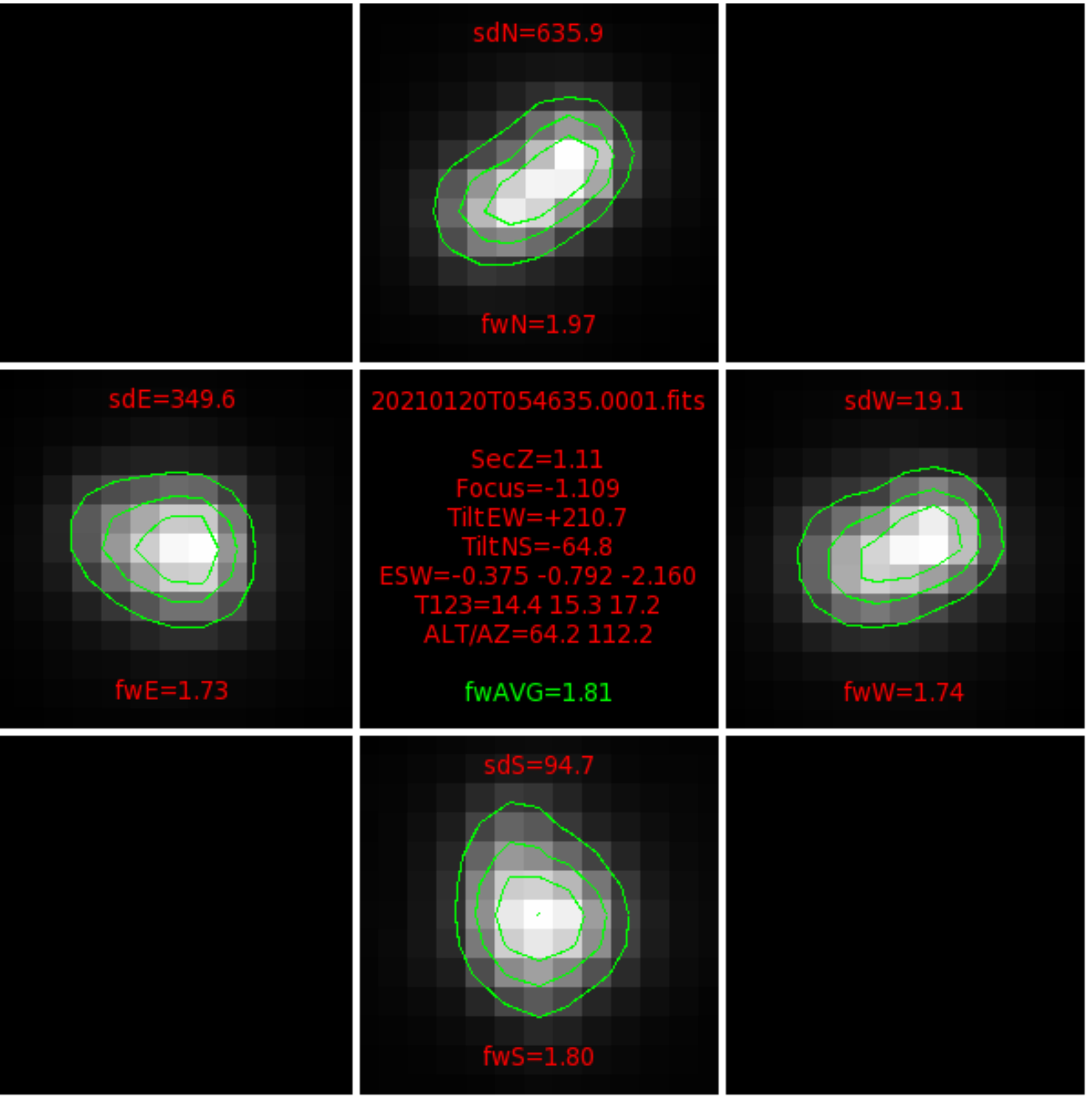
sdN=635.9
fwN=1.97
sdE=349.6
fwE=1.73
20210120T054635.0001.fits
SecZ=1.11
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.2
ALT/AZ=64.2 112.2
fwAVG=1.81
sdW=19.1
fwW=1.74
sdS=94.7
fwS=1.80
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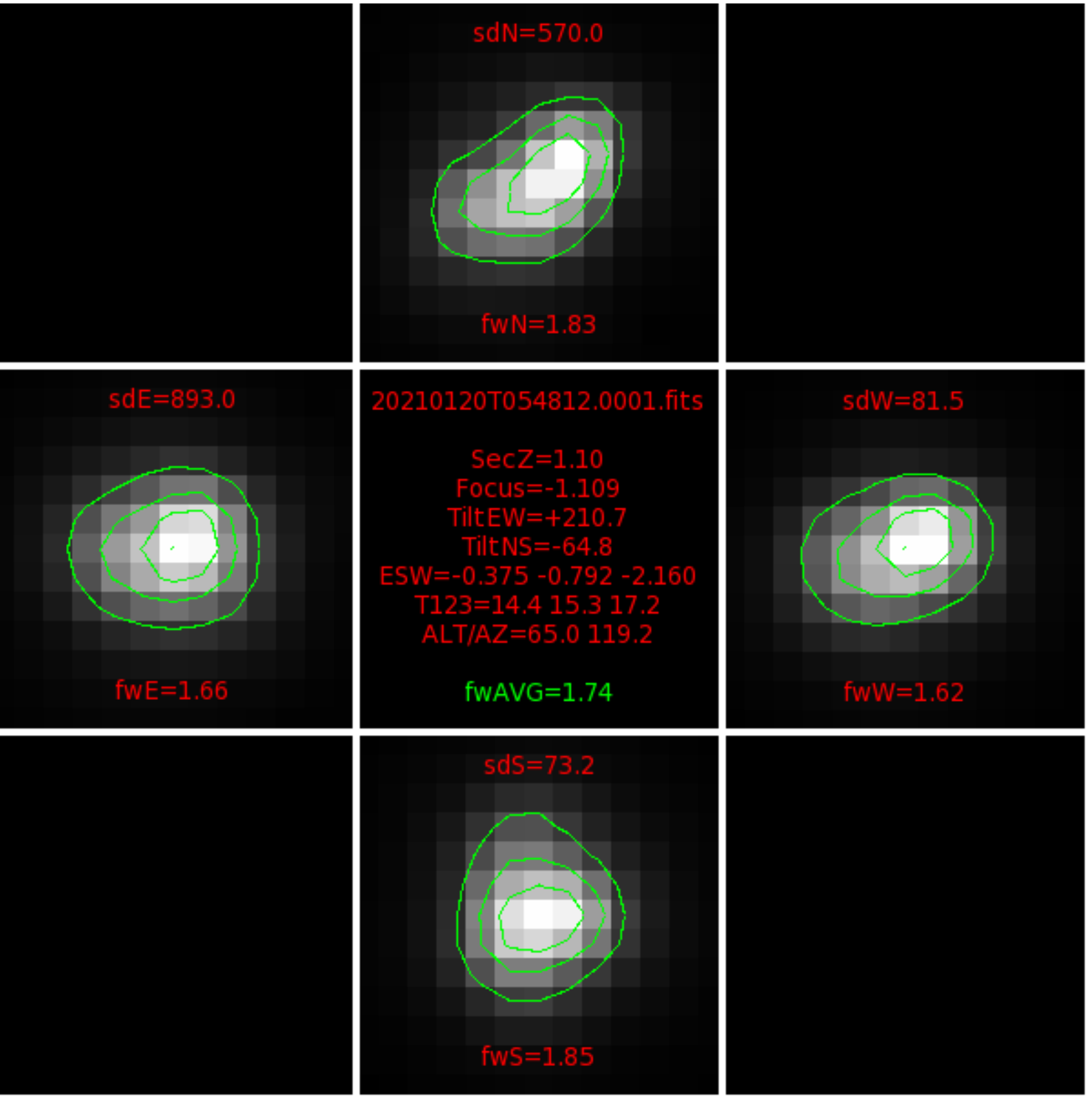
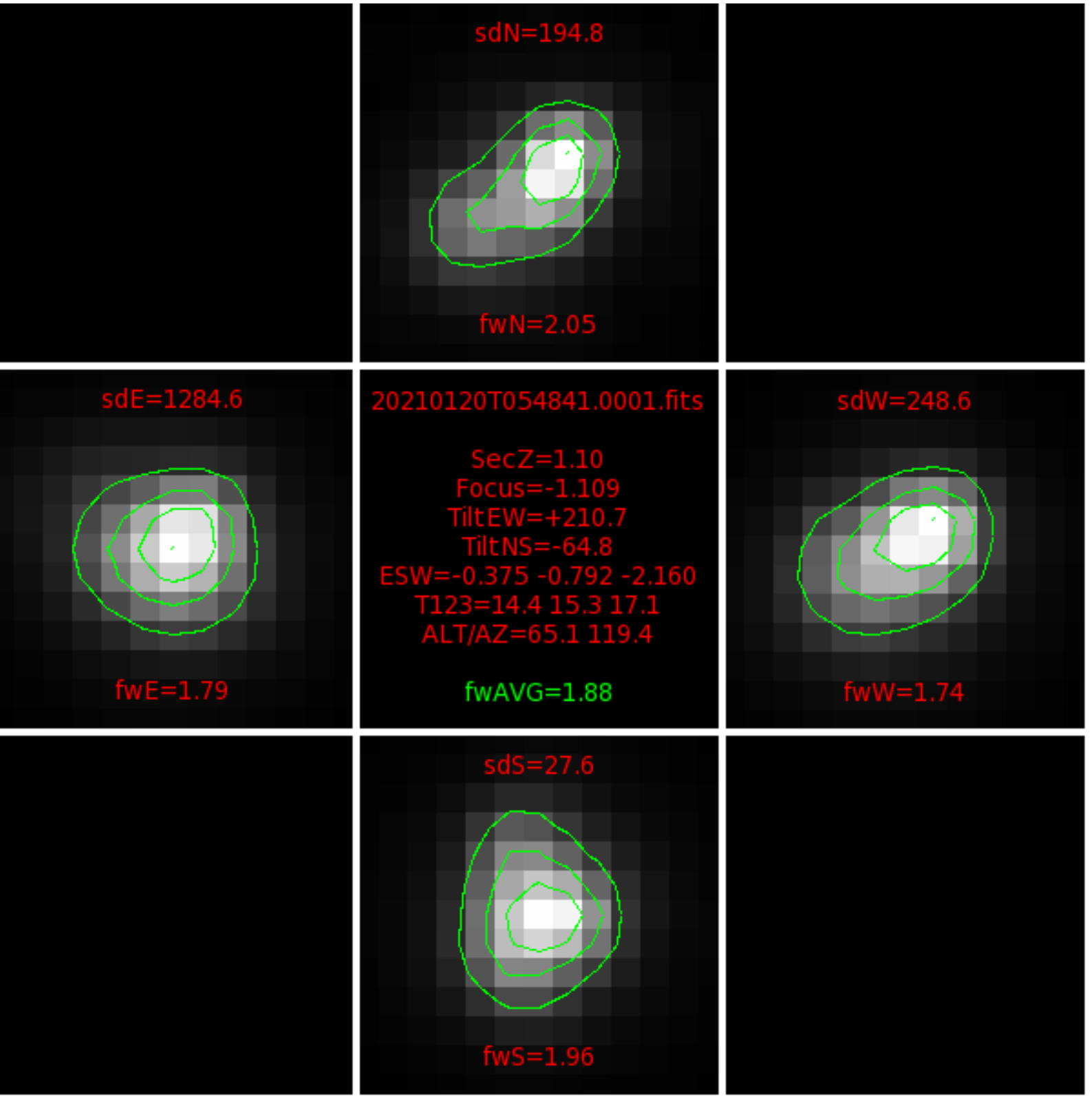

sdN=570.0
fwN=1.83
sdE=893.0
fwE=1.66
20210120T054812.0001.fits
SecZ=1.10
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.2
ALT/AZ=65.0 119.2
fwAVG=1.74
sdW=81.5
fwW=1.62
sdS=73.2
fwS=1.85
0 0 0 0 0 0 0 0 0


sdN=194.8
fwN=2.05
sdE=1284.6
fwE=1.79
20210120T054841.0001.fits
SecZ=1.10
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.1
ALT/AZ=65.1 119.4
fwAVG=1.88
sdW=248.6
fwW=1.74
sdS=27.6
fwS=1.96
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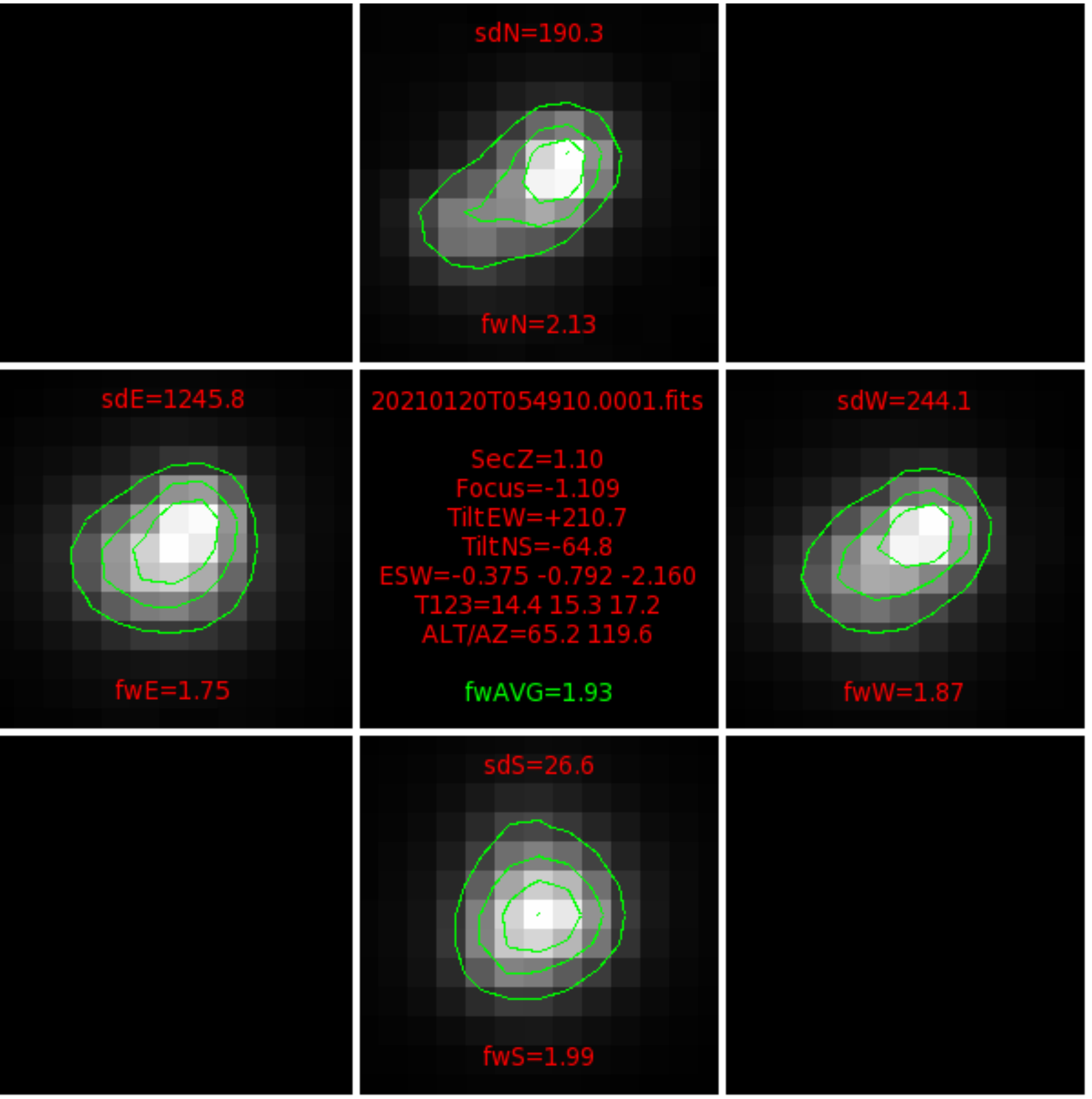
sdN=190.3
fwN=2.13
sdE=1245.8
fwE=1.75
20210120T054910.0001.fits
SecZ=1.10
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.2
ALT/AZ=65.2 119.6
fwAVG=1.93
sdW=244.1
fwW=1.87
sdS=26.6
fwS=1.99
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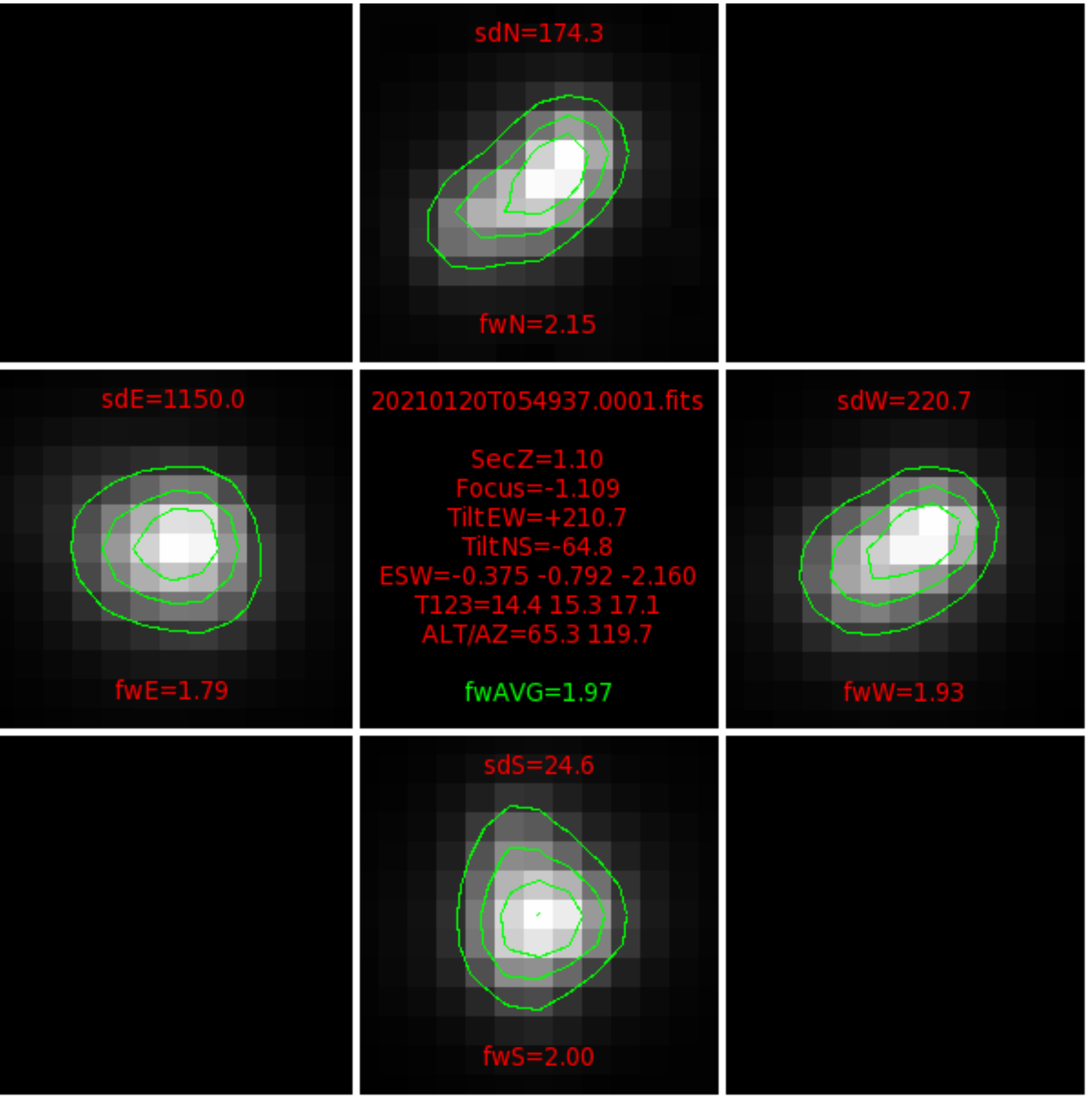
sdN=174.3
fwN=2.15
sdE=1150.0
fwE=1.79
20210120T054937.0001.fits
SecZ=1.10
Focus=-1.109
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.375 -0.792 -2.160
T123=14.4 15.3 17.1
ALT/AZ=65.3 119.7
fwAVG=1.97
sdW=220.7
fwW=1.93
sdS=24.6
fwS=2.00
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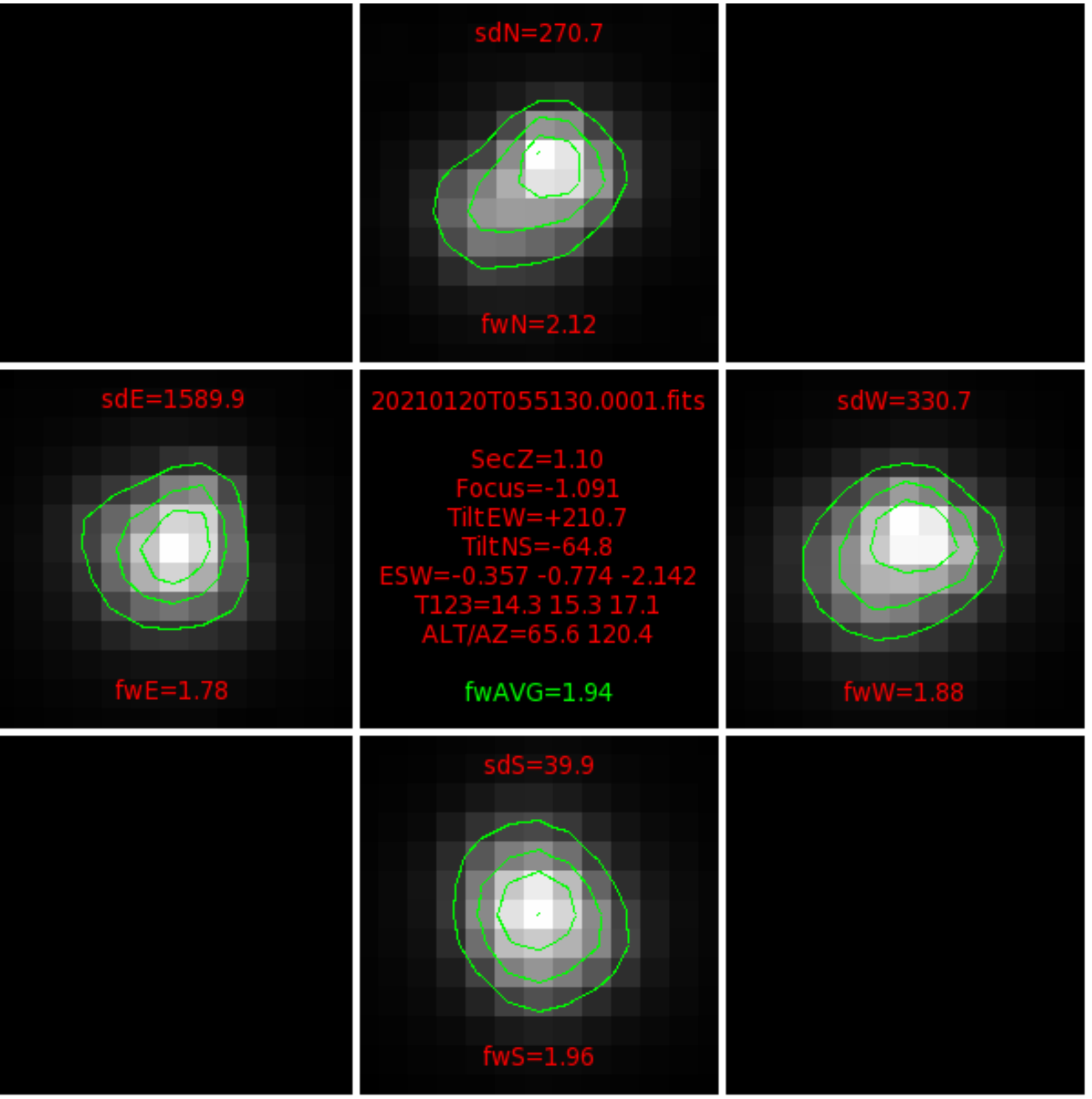
sdN=270.7
fwN=2.12
sdE=1589.9
fwE=1.78
20210120T055130.0001.fits
SecZ=1.10
Focus=-1.091
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.357 -0.774 -2.142
T123=14.3 15.3 17.1
ALT/AZ=65.6 120.4
fwAVG=1.94
sdW=330.7
fwW=1.88
sdS=39.9
fwS=1.96
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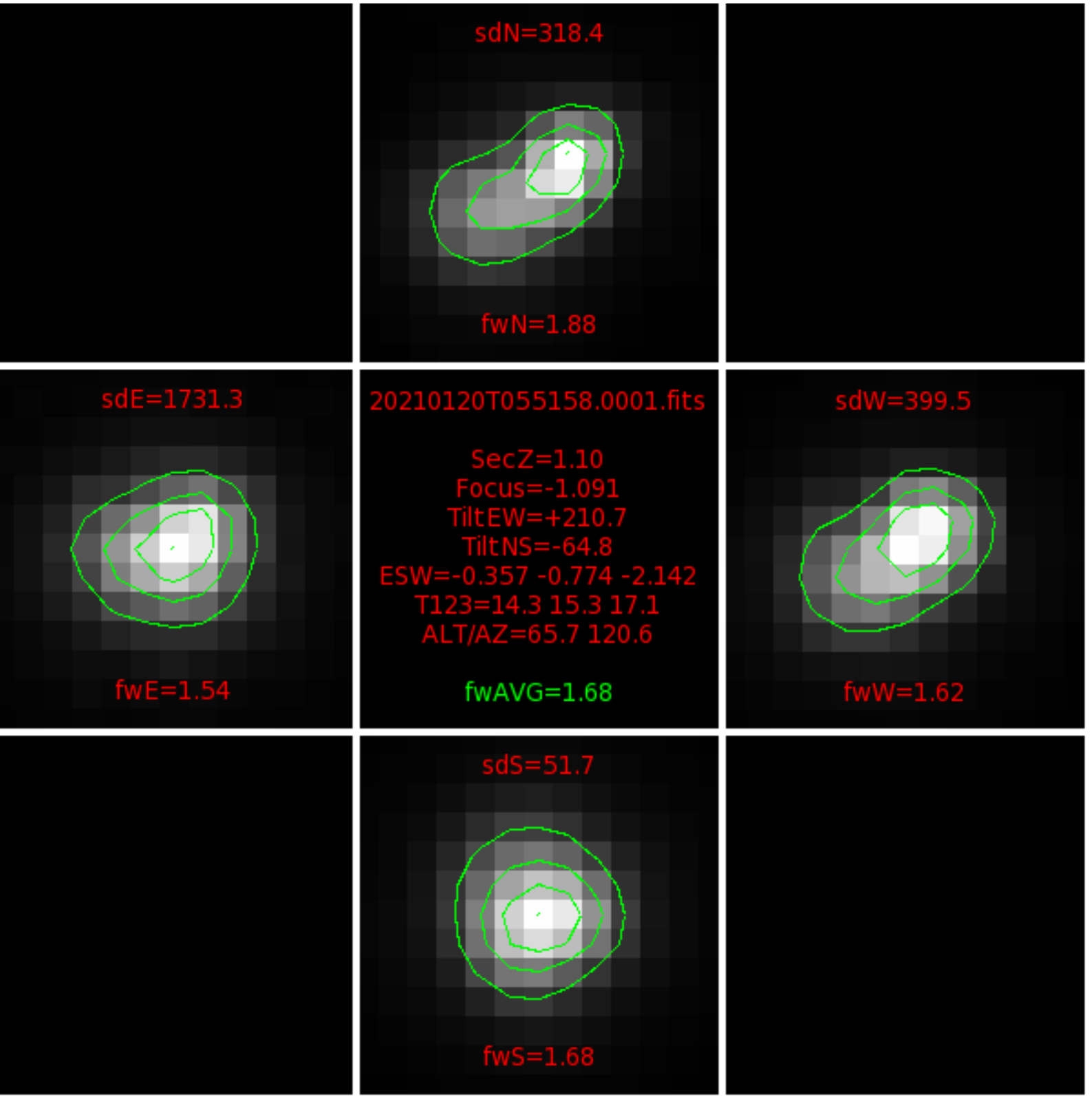
sdN=318.4
fwN=1.88
sdE=1731.3
fwE=1.54
20210120T055158.0001.fits
SecZ=1.10
Focus=-1.091
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.357 -0.774 -2.142
T123=14.3 15.3 17.1
ALT/AZ=65.7 120.6
fwAVG=1.68
sdW=399.5
fwW=1.62
sdS=51.7
fwS=1.68
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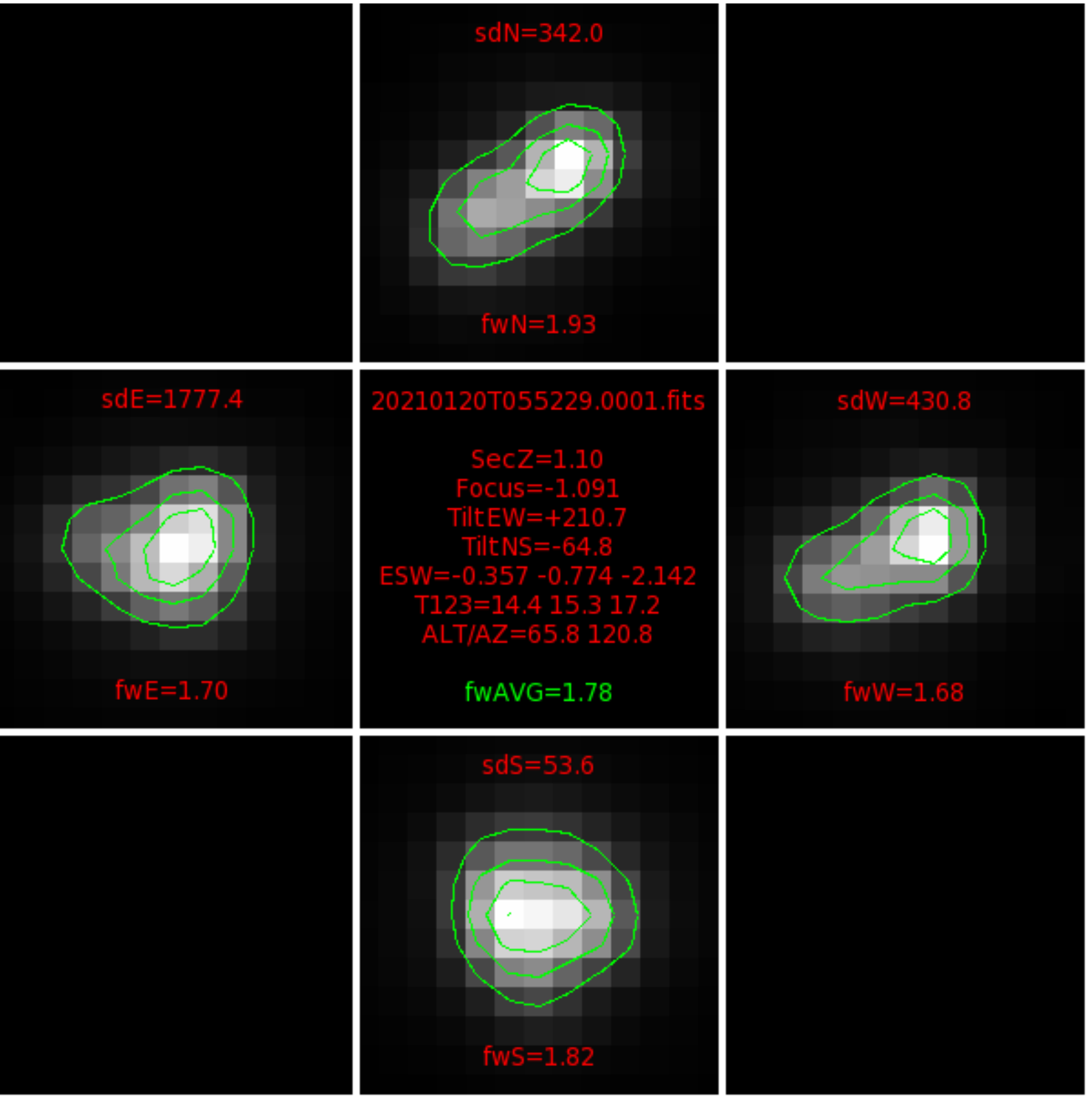
sdN=342.0
fwN=1.93
sdE=1777.4
fwE=1.70
20210120T055229.0001.fits
SecZ=1.10
Focus=-1.091
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.357 -0.774 -2.142
T123=14.4 15.3 17.2
ALT/AZ=65.8 120.8
fwAVG=1.78
sdW=430.8
fwW=1.68
sdS=53.6
fwS=1.82
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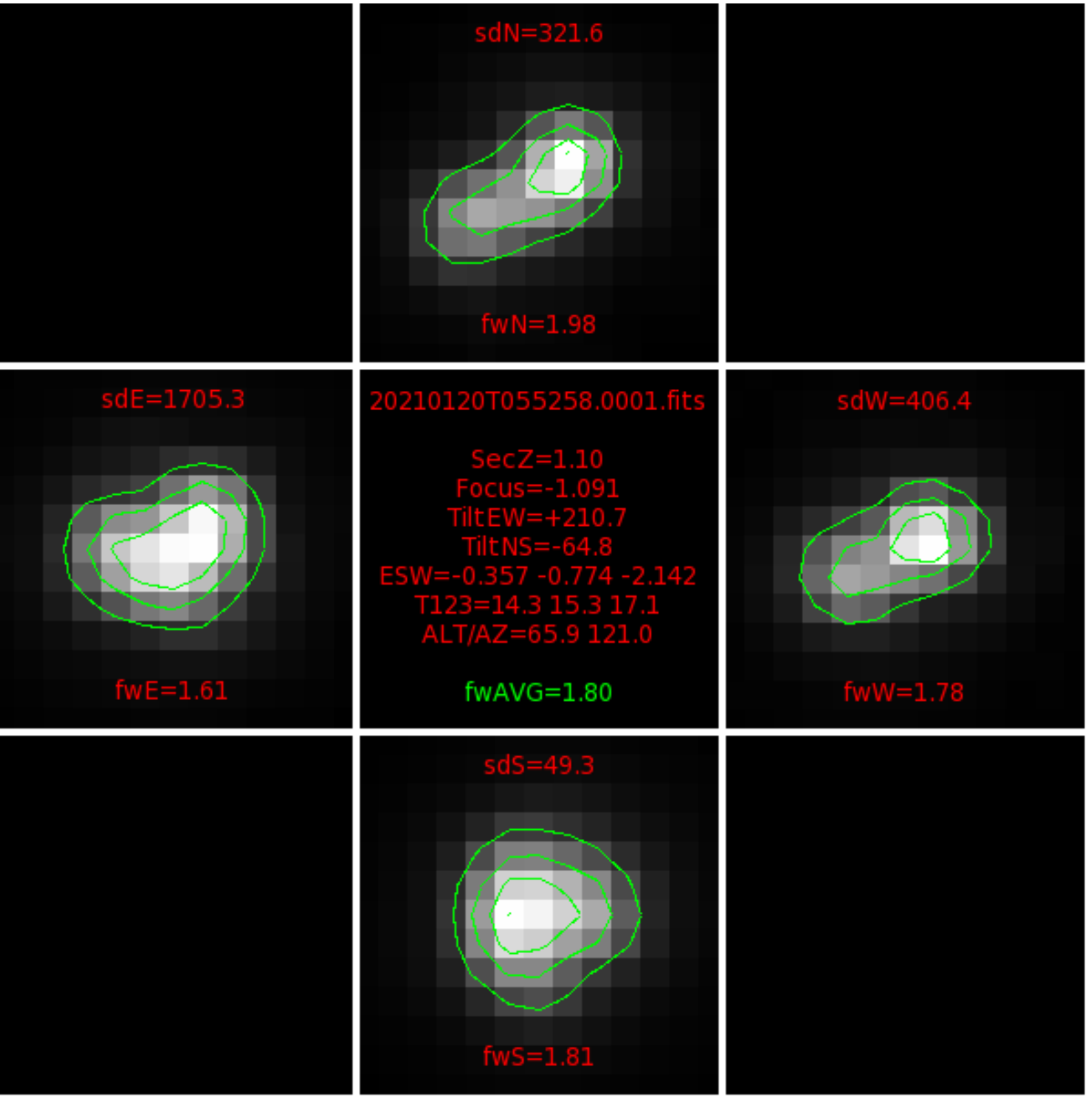
sdN=321.6
fwN=1.98
sdE=1705.3
fwE=1.61
20210120T055258.0001.fits
SecZ=1.10
Focus=-1.091
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.357 -0.774 -2.142
T123=14.3 15.3 17.1
ALT/AZ=65.9 121.0
fwAVG=1.80
sdW=406.4
fwW=1.78
sdS=49.3
fwS=1.81
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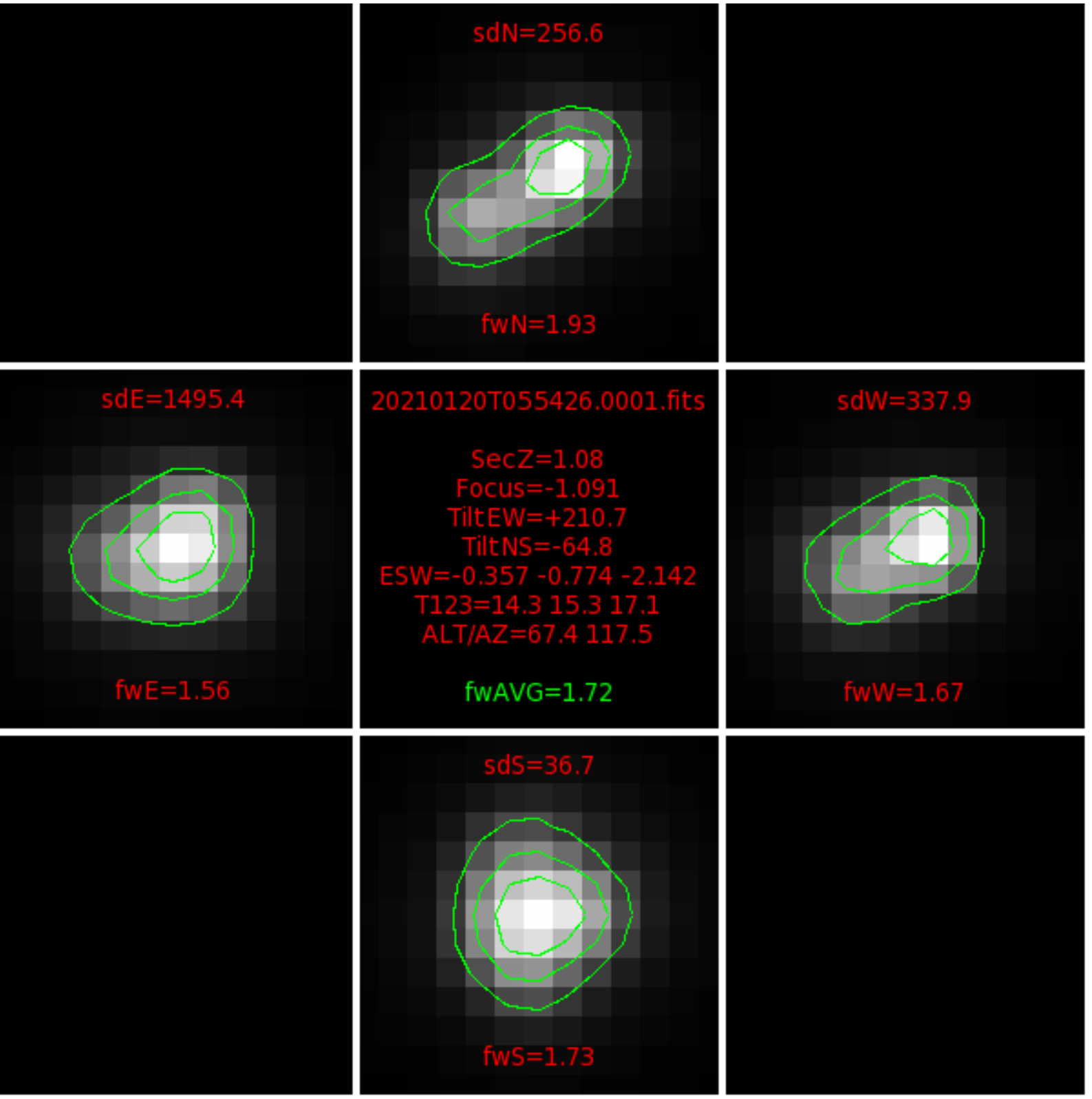
sdN=256.6
fwN=1.93
sdE=1495.4
fwE=1.56
20210120T055426.0001.fits
SecZ=1.08
Focus=-1.091
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.357 -0.774 -2.142
T123=14.3 15.3 17.1
ALT/AZ=67.4 117.5
fwAVG=1.72
sdW=337.9
fwW=1.67
sdS=36.7
fwS=1.73
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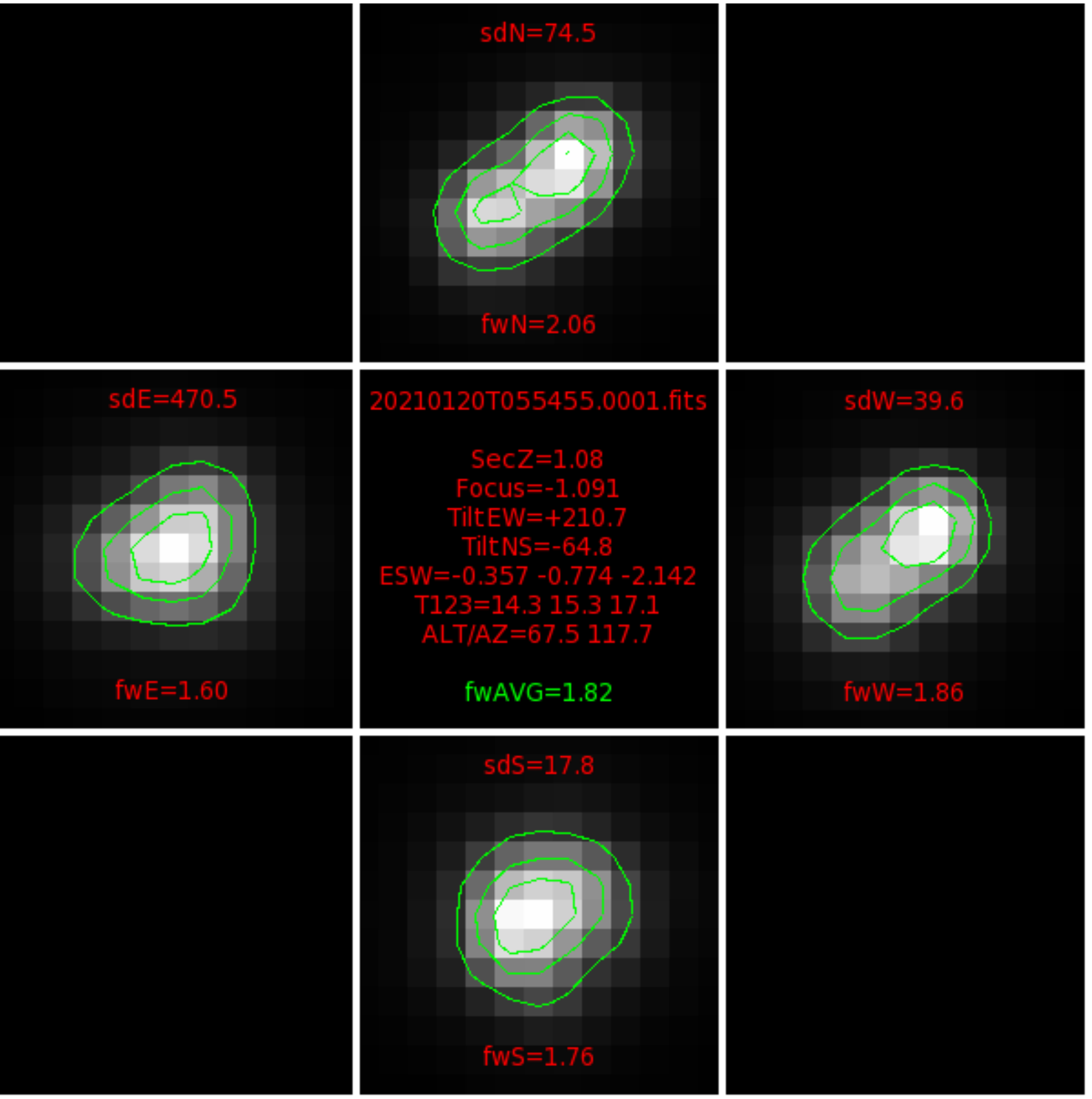
sdN=74.5
fwN=2.06
sdE=470.5
fwE=1.60
20210120T055455.0001.fits
SecZ=1.08
Focus=-1.091
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.357 -0.774 -2.142
T123=14.3 15.3 17.1
ALT/AZ=67.5 117.7
fwAVG=1.82
sdW=39.6
fwW=1.86
sdS=17.8
fwS=1.76
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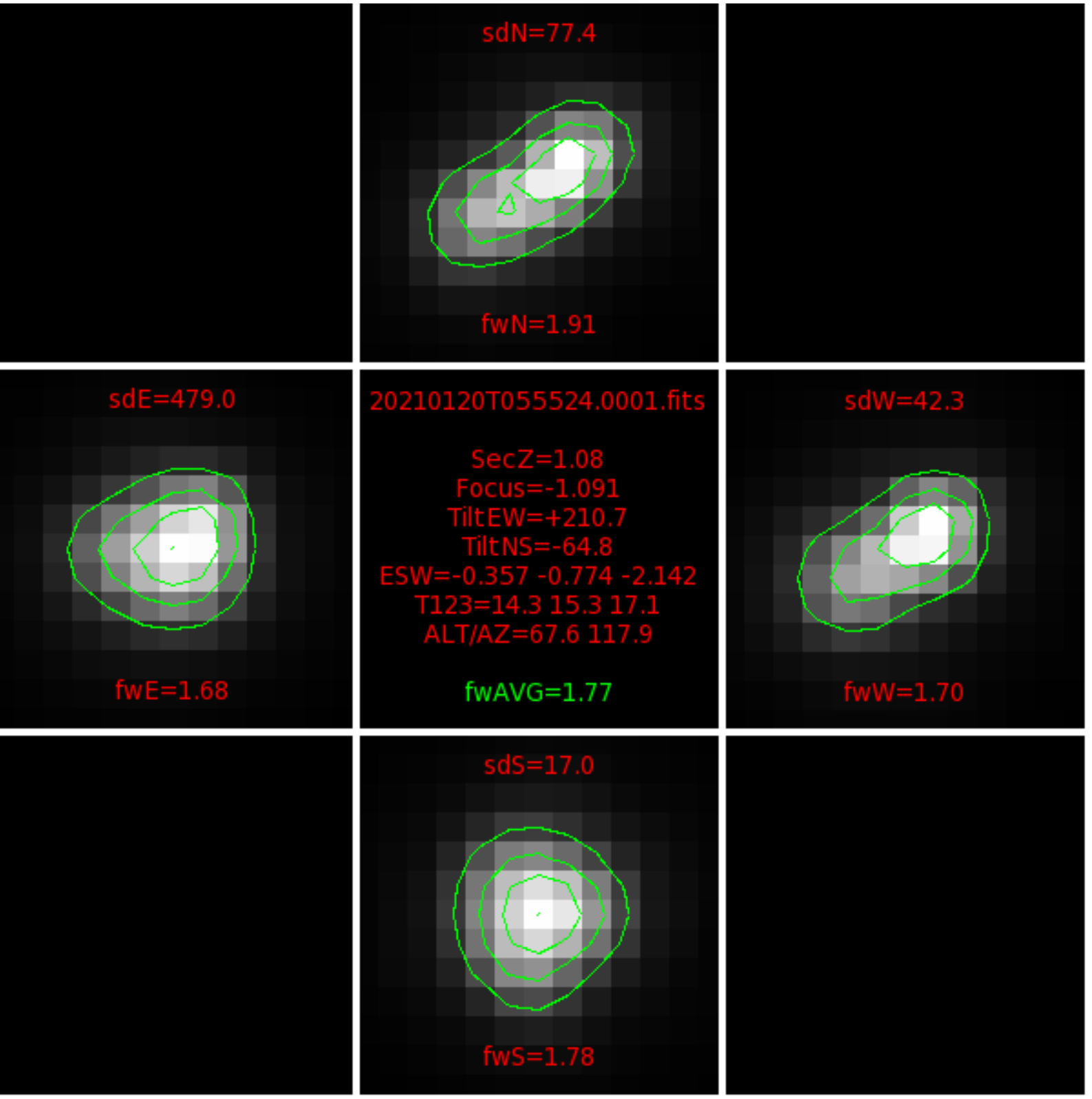
sdN=77.4
fwN=1.91
sdE=479.0
fwE=1.68
20210120T055524.0001.fits
SecZ=1.08
Focus=-1.091
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.357 -0.774 -2.142
T123=14.3 15.3 17.1
ALT/AZ=67.6 117.9
fwAVG=1.77
sdW=42.3
fwW=1.70
sdS=17.0
fwS=1.78
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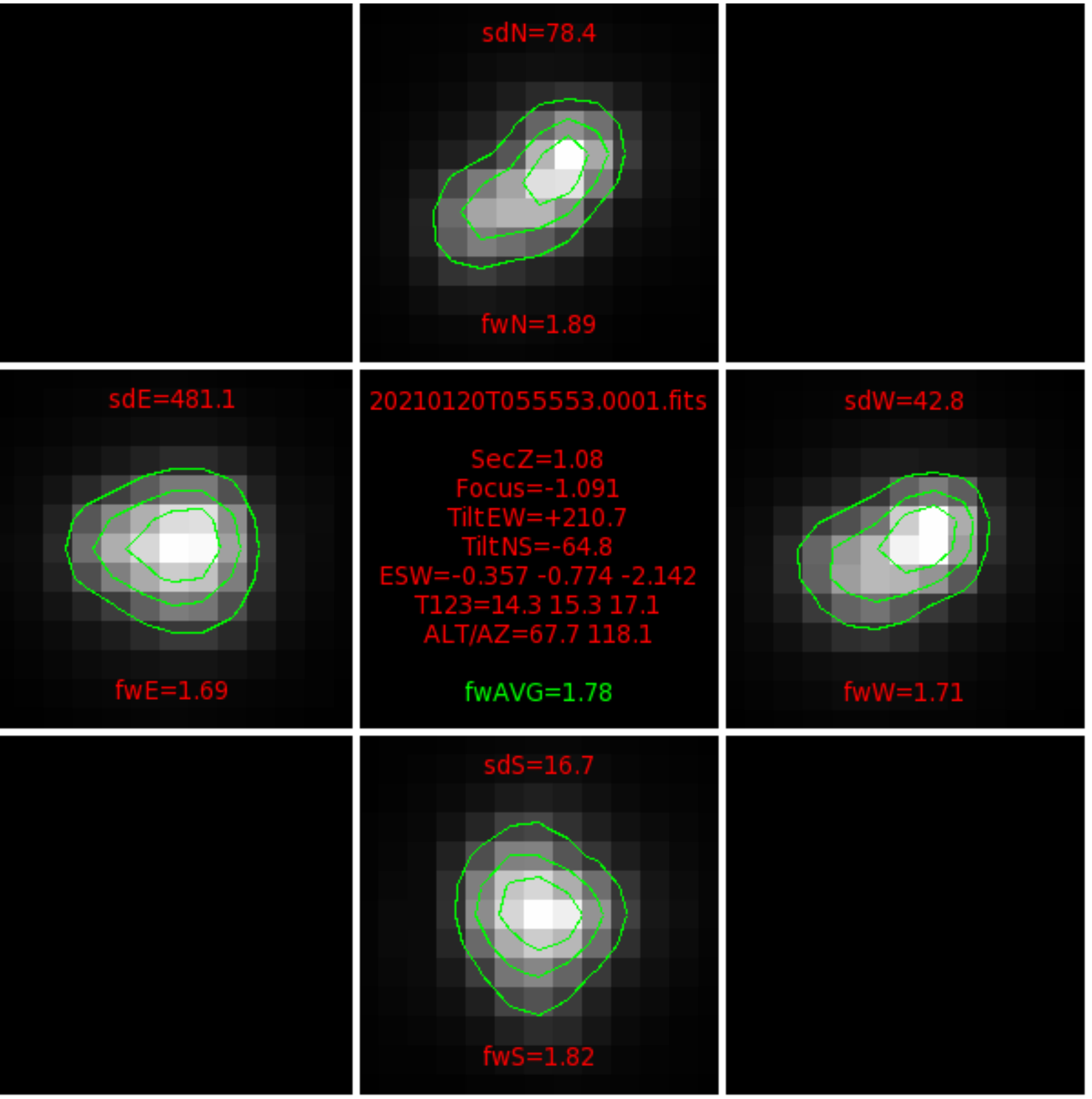
sdN=78.4
fwN=1.89
sdE=481.1
fwE=1.69
20210120T055553.0001.fits
SecZ=1.08
Focus=-1.091
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.357 -0.774 -2.142
T123=14.3 15.3 17.1
ALT/AZ=67.7 118.1
fwAVG=1.78
sdW=42.8
fwW=1.71
sdS=16.7
fwS=1.82
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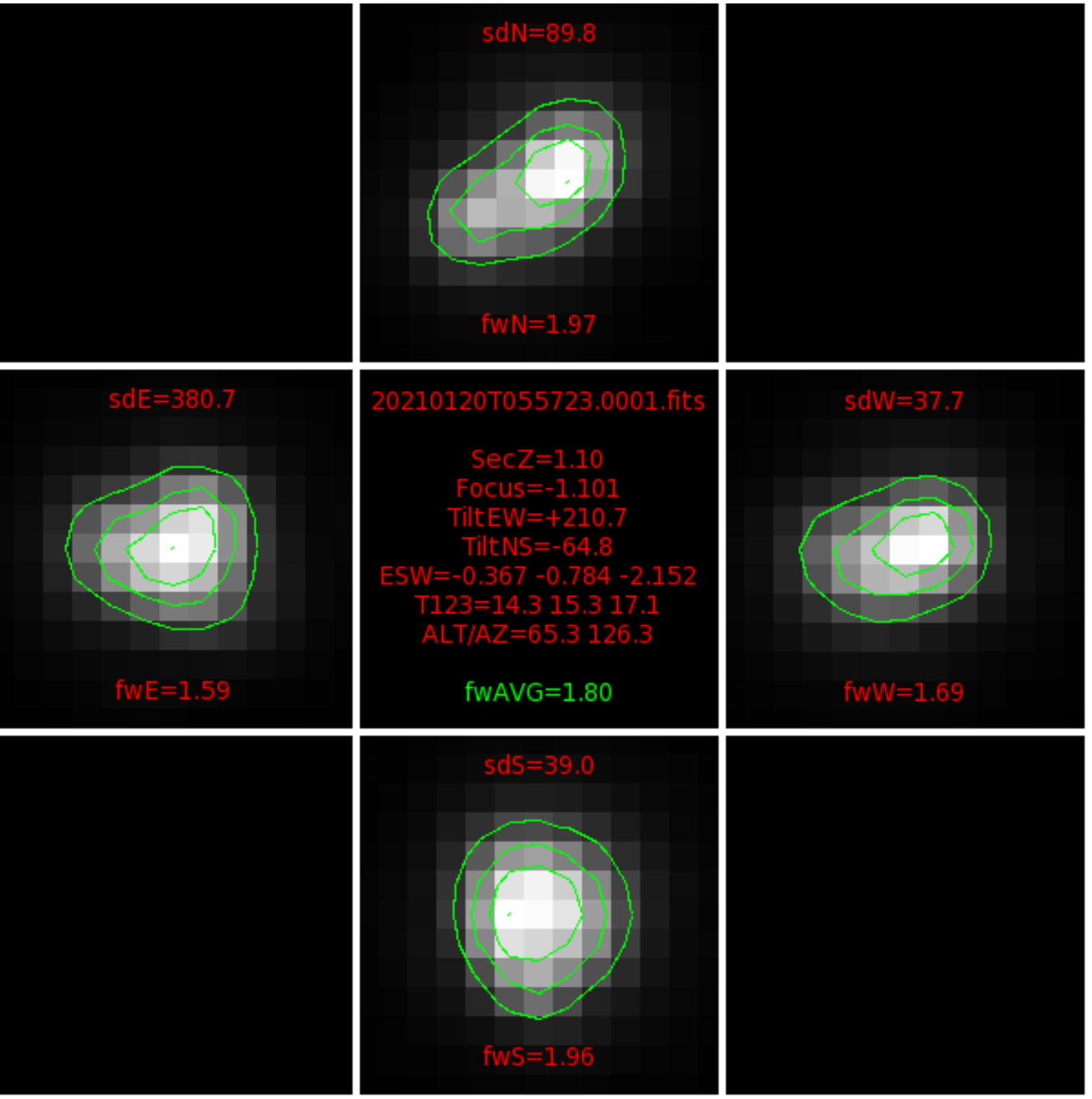
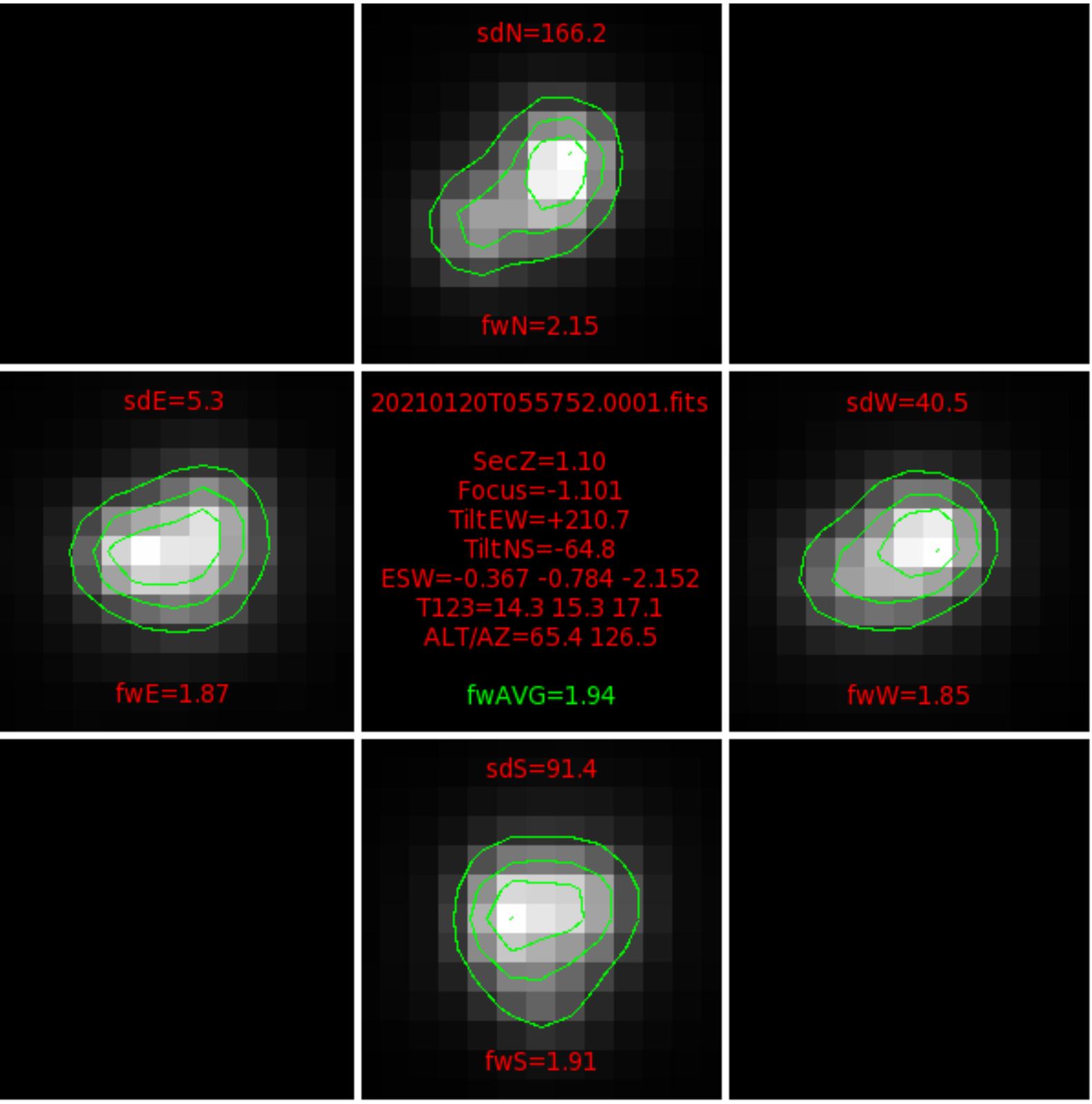

sdN=89.8
fwN=1.97
sdE=380.7
fwE=1.59
20210120T055723.0001.fits
SecZ=1.10
Focus=-1.101
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.367 -0.784 -2.152
T123=14.3 15.3 17.1
ALT/AZ=65.3 126.3
fwAVG=1.80
sdW=37.7
fwW=1.69
sdS=39.0
fwS=1.96
0 0 0 0 0 0 0 0 0


sdN=166.2
fwN=2.15
sdE=5.3
fwE=1.87
20210120T055752.0001.fits
SecZ=1.10
Focus=-1.101
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.367 -0.784 -2.152
T123=14.3 15.3 17.1
ALT/AZ=65.4 126.5
fwAVG=1.94
sdW=40.5
fwW=1.85
sdS=91.4
fwS=1.91
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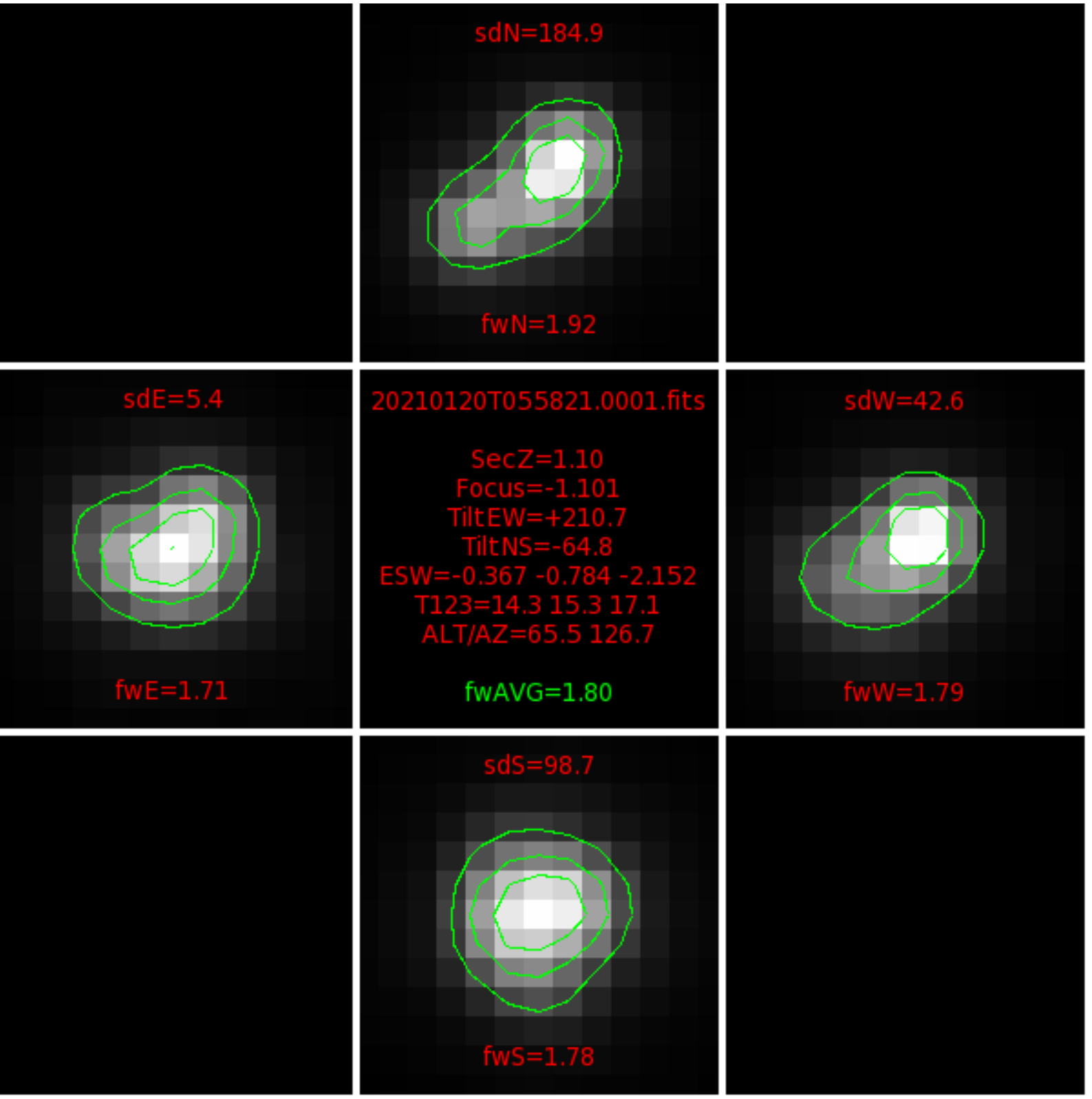
sdN=184.9
fwN=1.92
sdE=5.4
fwE=1.71
20210120T055821.0001.fits
SecZ=1.10
Focus=-1.101
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.367 -0.784 -2.152
T123=14.3 15.3 17.1
ALT/AZ=65.5 126.7
fwAVG=1.80
sdW=42.6
fwW=1.79
sdS=98.7
fwS=1.78
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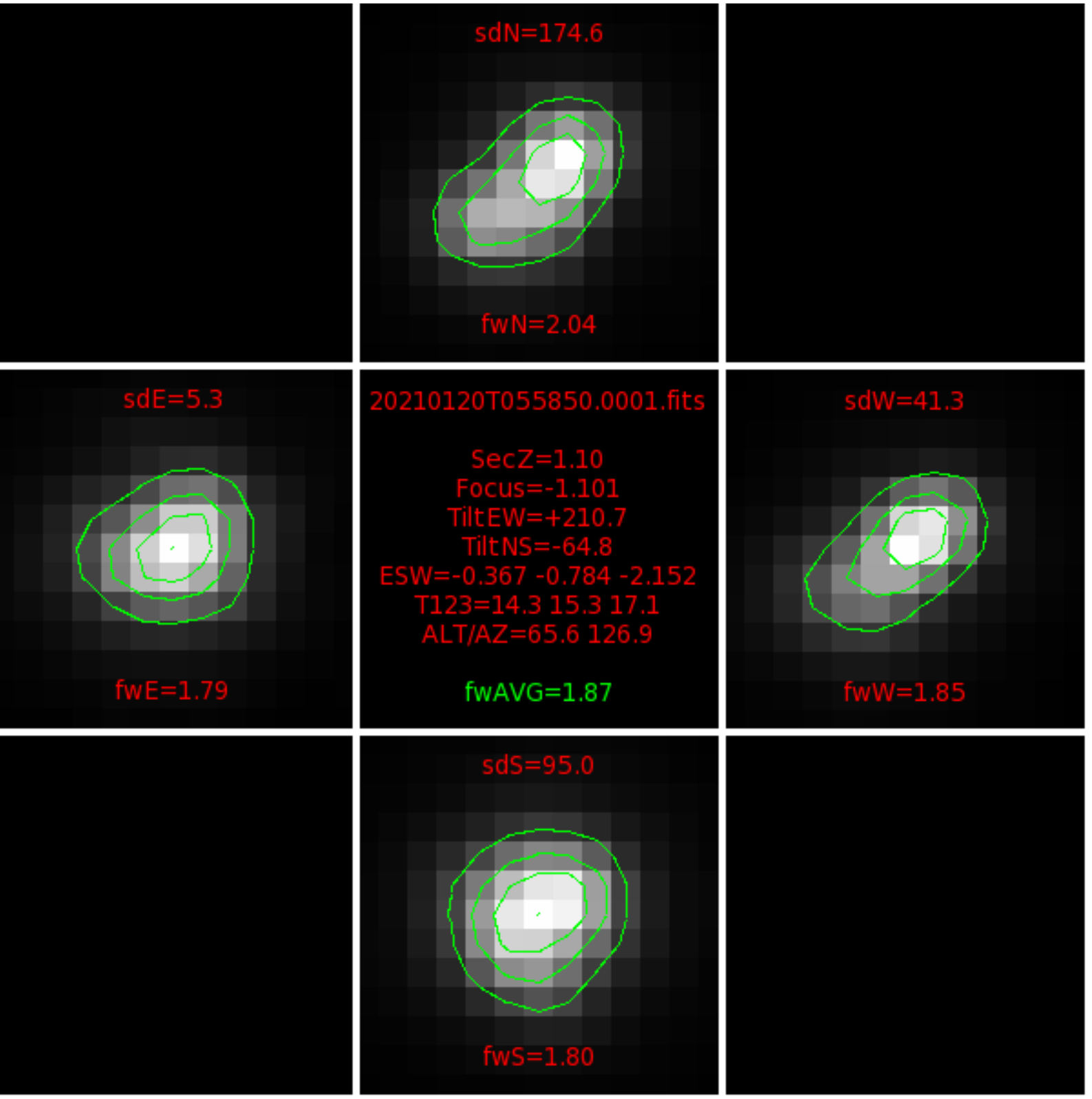
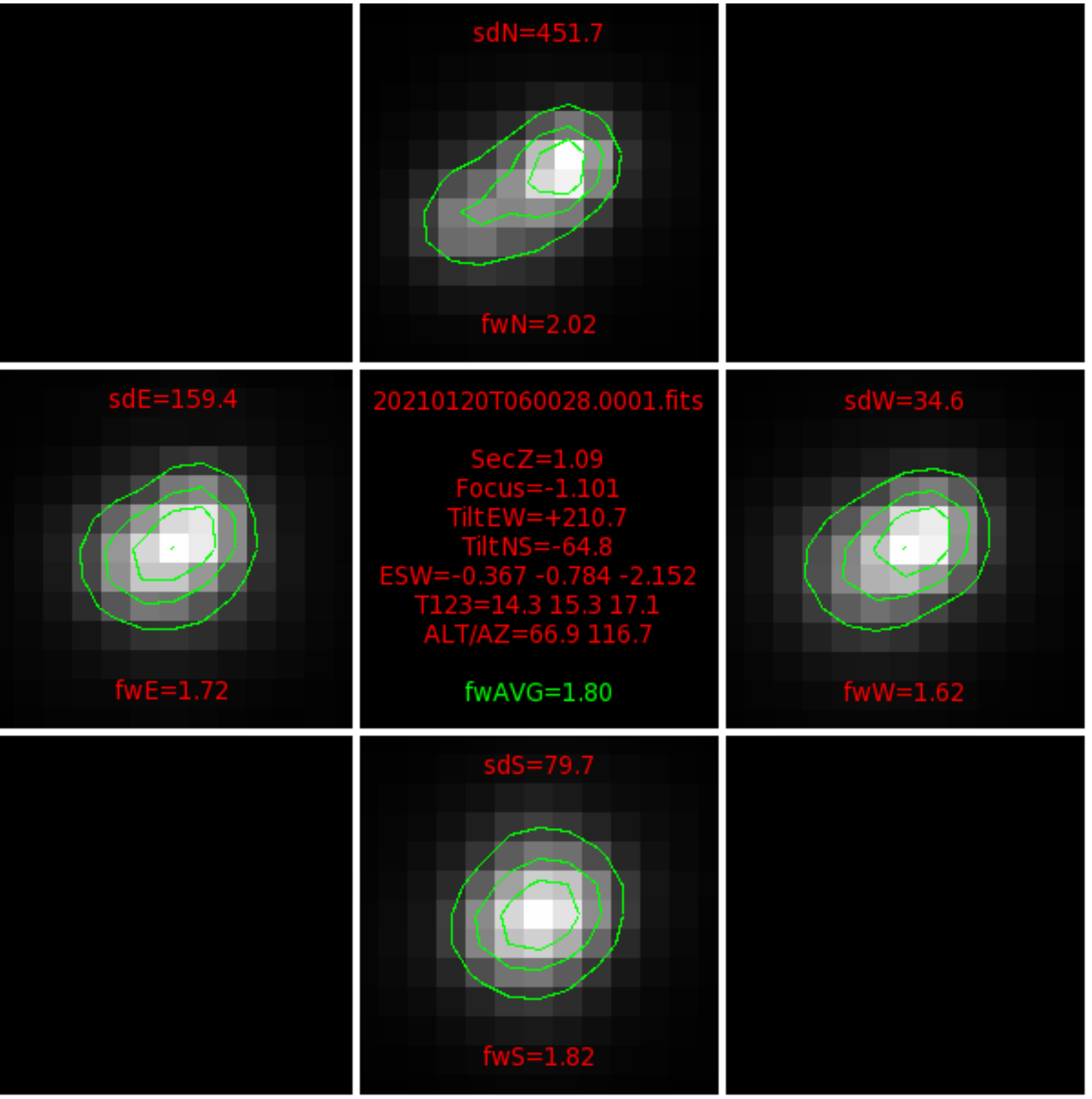

sdN=174.6
fwN=2.04
sdE=5.3
fwE=1.79
20210120T055850.0001.fits
SecZ=1.10
Focus=-1.101
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.367 -0.784 -2.152
T123=14.3 15.3 17.1
ALT/AZ=65.6 126.9
fwAVG=1.87
sdW=41.3
fwW=1.85
sdS=95.0
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=451.7
fwN=2.02
sdE=159.4
fwE=1.72
20210120T060028.0001.fits
SecZ=1.09
Focus=-1.101
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.367 -0.784 -2.152
T123=14.3 15.3 17.1
ALT/AZ=66.9 116.7
fwAVG=1.80
sdW=34.6
fwW=1.62
sdS=79.7
fwS=1.82
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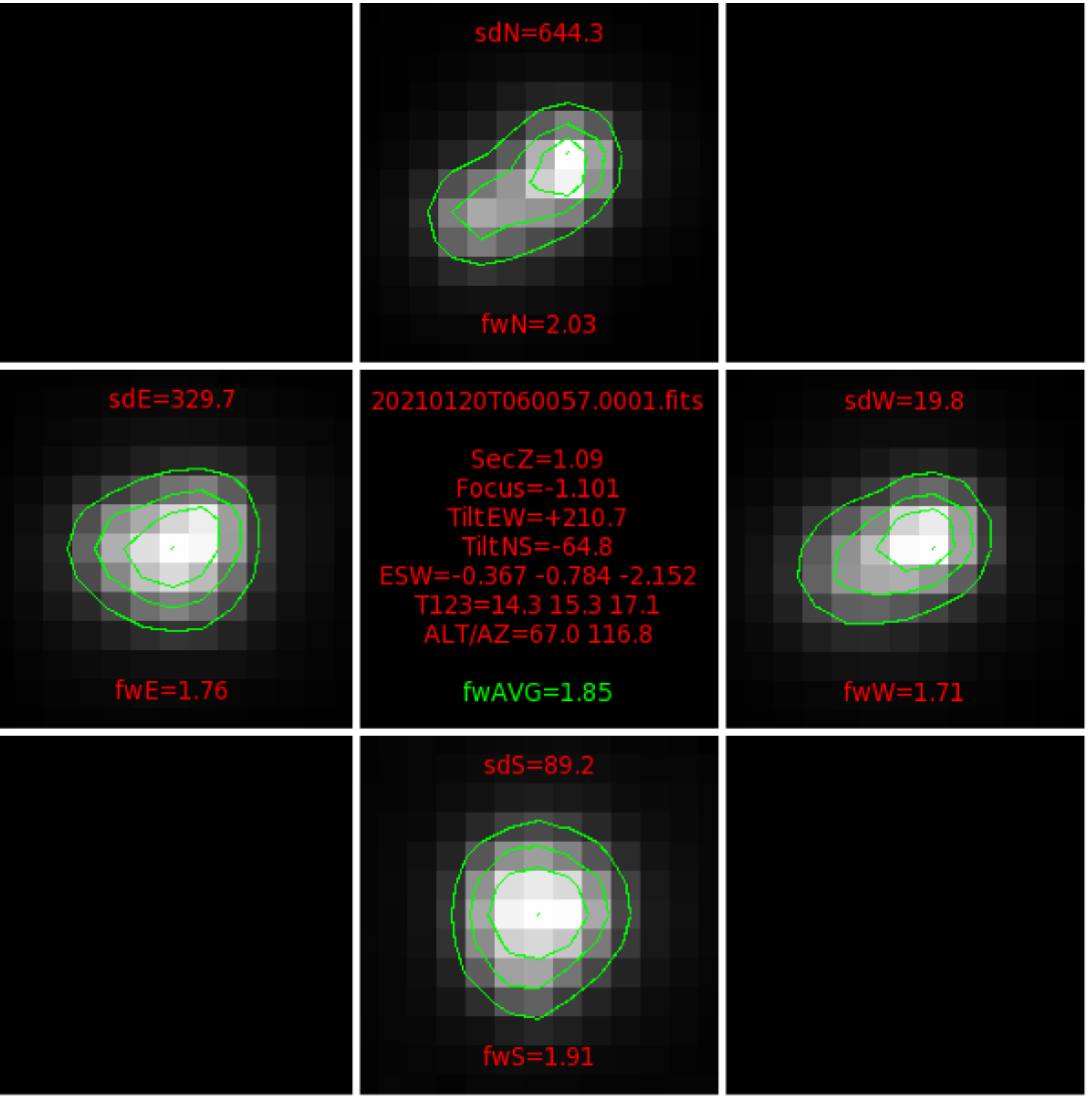
sdN=644.3
fwN=2.03
sdE=329.7
fwE=1.76
20210120T060057.0001.fits
SecZ=1.09
Focus=-1.101
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.367 -0.784 -2.152
T123=14.3 15.3 17.1
ALT/AZ=67.0 116.8
fwAVG=1.85
sdW=19.8
fwW=1.71
sdS=89.2
fwS=1.91
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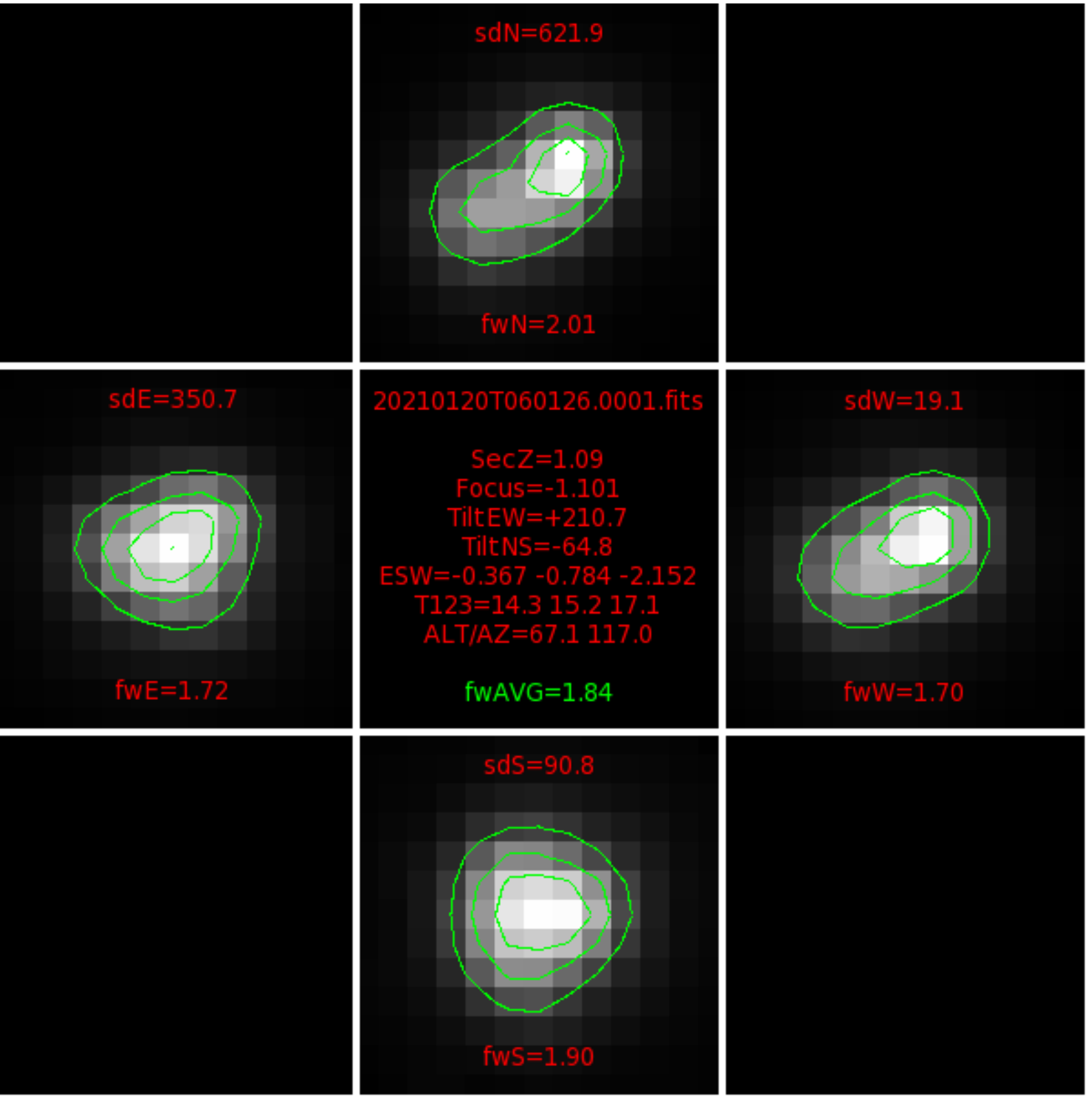
sdN=621.9
fwN=2.01
sdE=350.7
fwE=1.72
20210120T060126.0001.fits
SecZ=1.09
Focus=-1.101
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.367 -0.784 -2.152
T123=14.3 15.2 17.1
ALT/AZ=67.1 117.0
fwAVG=1.84
sdW=19.1
fwW=1.70
sdS=90.8
fwS=1.90
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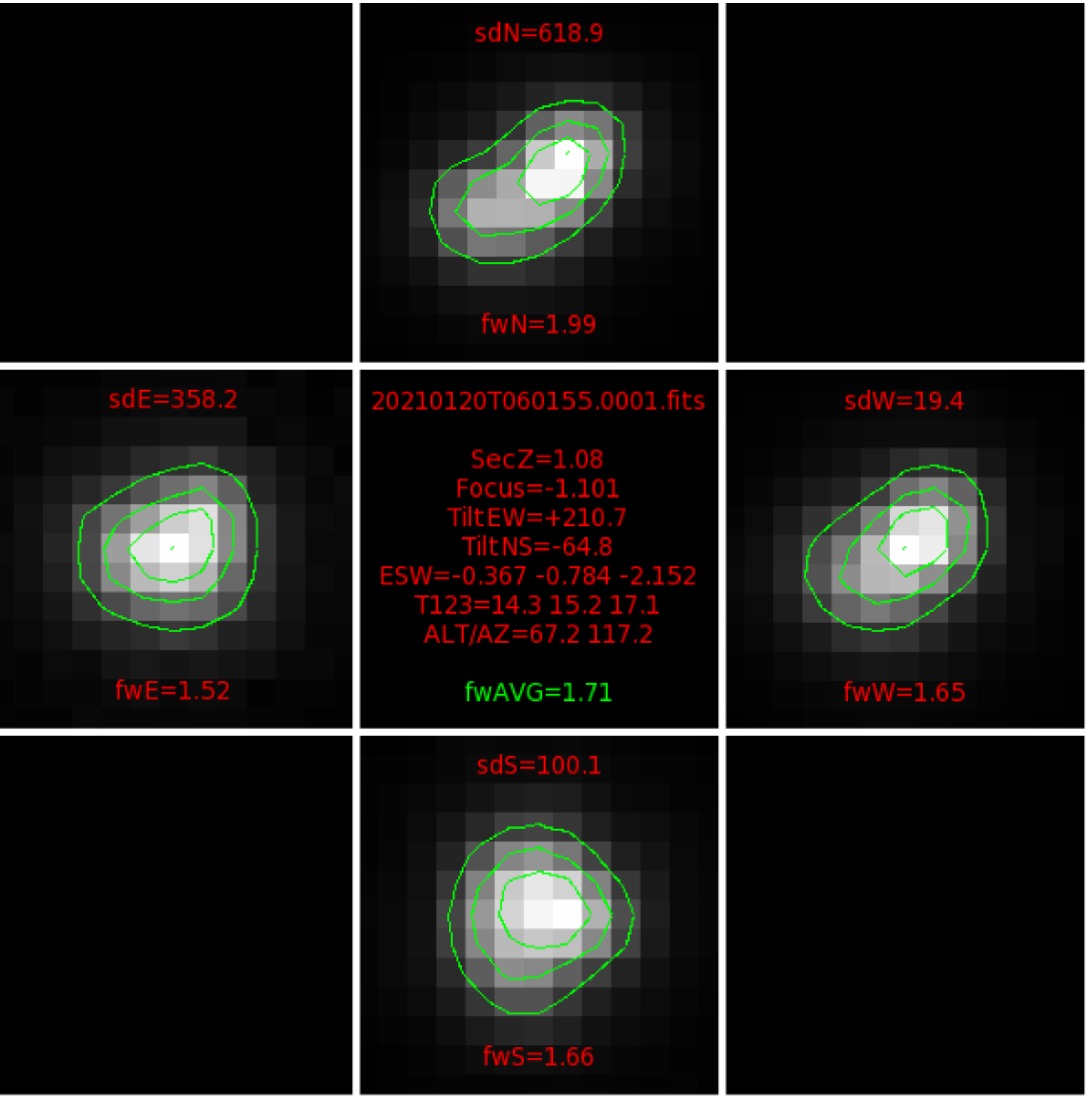
sdN=618.9
fwN=1.99
sdE=358.2
fwE=1.52
20210120T060155.0001.fits
SecZ=1.08
Focus=-1.101
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.367 -0.784 -2.152
T123=14.3 15.2 17.1
ALT/AZ=67.2 117.2
fwAVG=1.71
sdW=19.4
fwW=1.65
sdS=100.1
fwS=1.66
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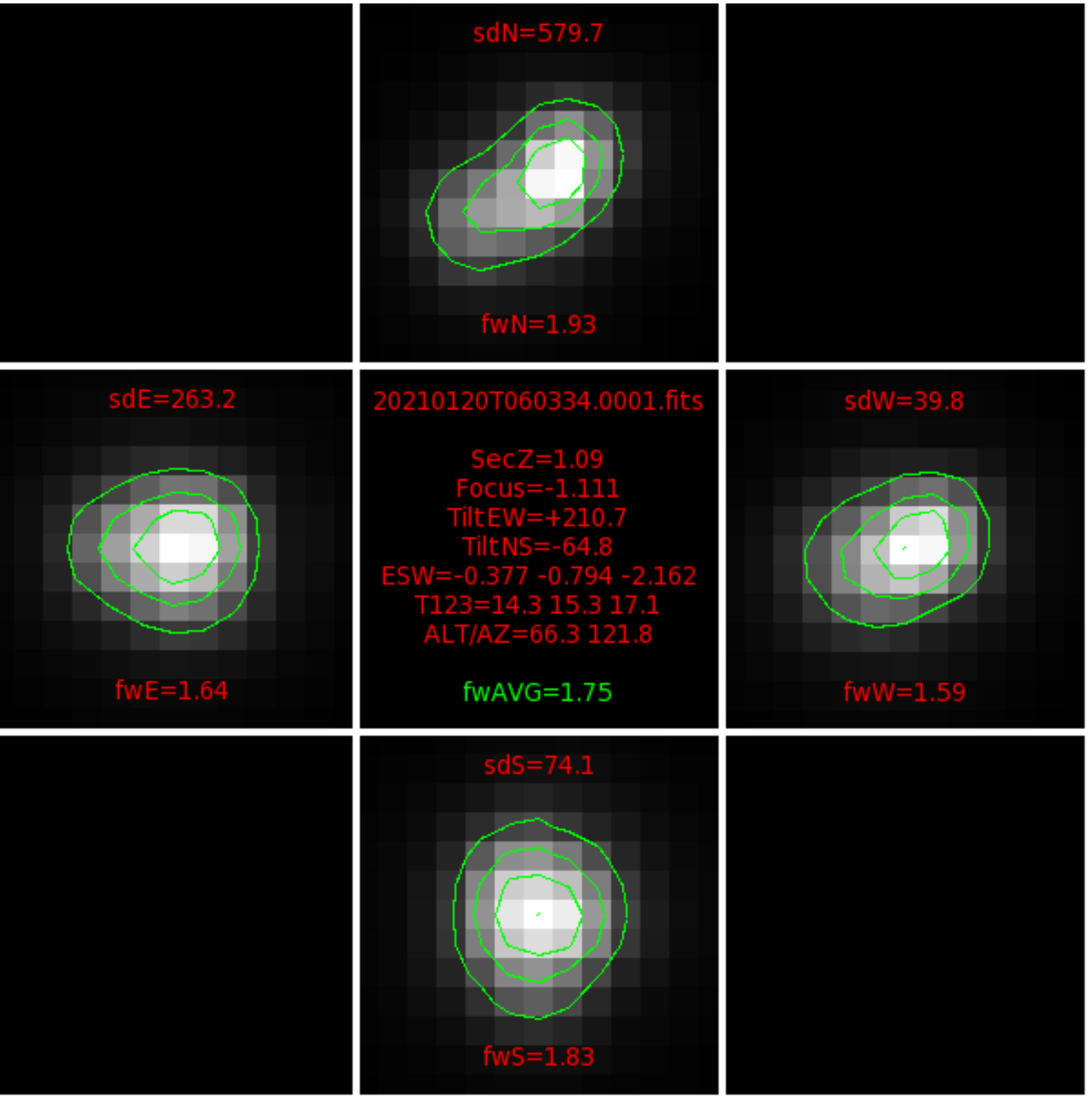
sdN=579.7
fwN=1.93
sdE=263.2
fwE=1.64
20210120T060334.0001.fits
SecZ=1.09
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.3 17.1
ALT/AZ=66.3 121.8
fwAVG=1.75
sdW=39.8
fwW=1.59
sdS=74.1
fwS=1.83
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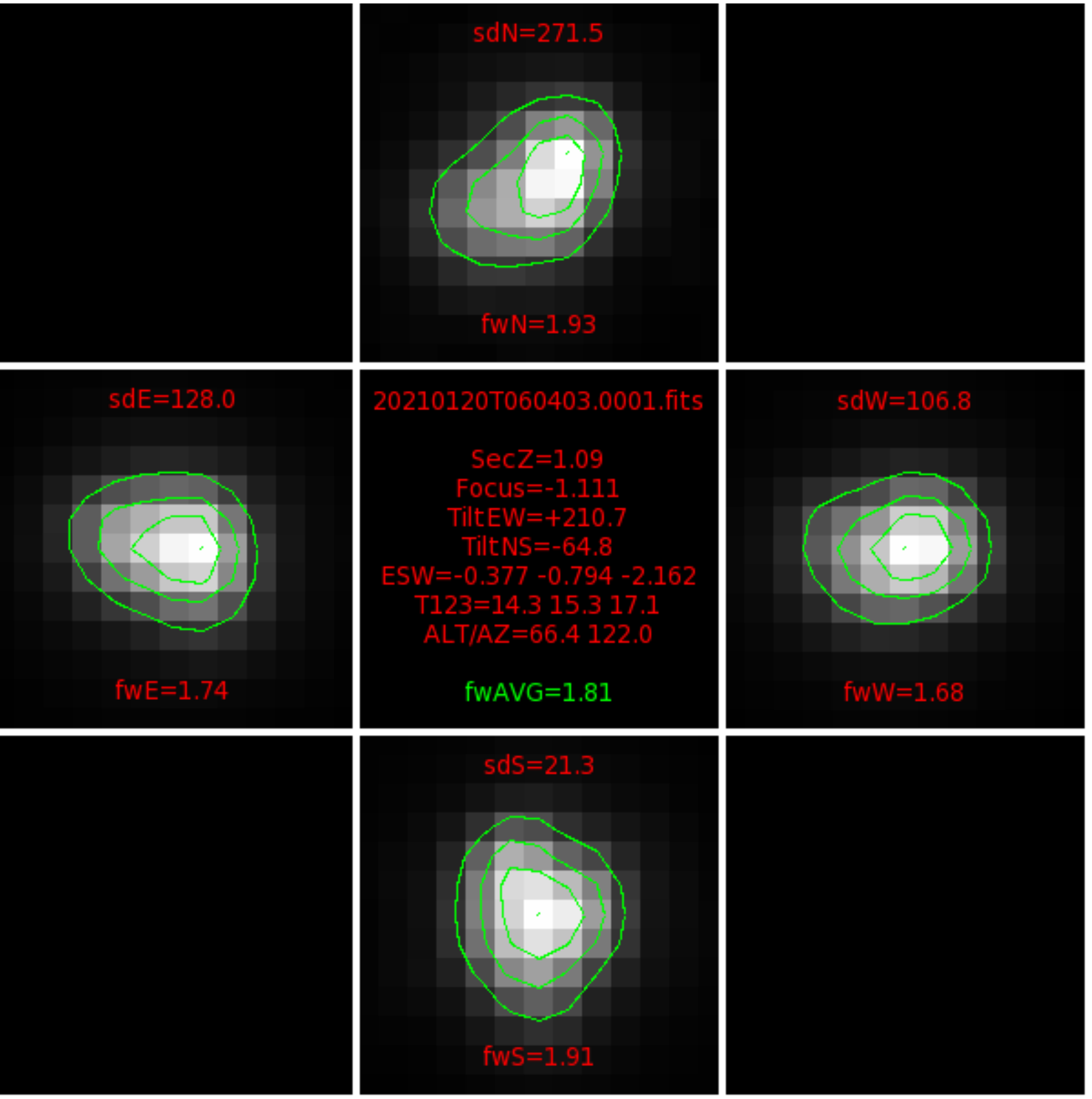
sdN=271.5
fwN=1.93
sdE=128.0
fwE=1.74
20210120T060403.0001.fits
SecZ=1.09
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.3 17.1
ALT/AZ=66.4 122.0
fwAVG=1.81
sdW=106.8
fwW=1.68
sdS=21.3
fwS=1.91
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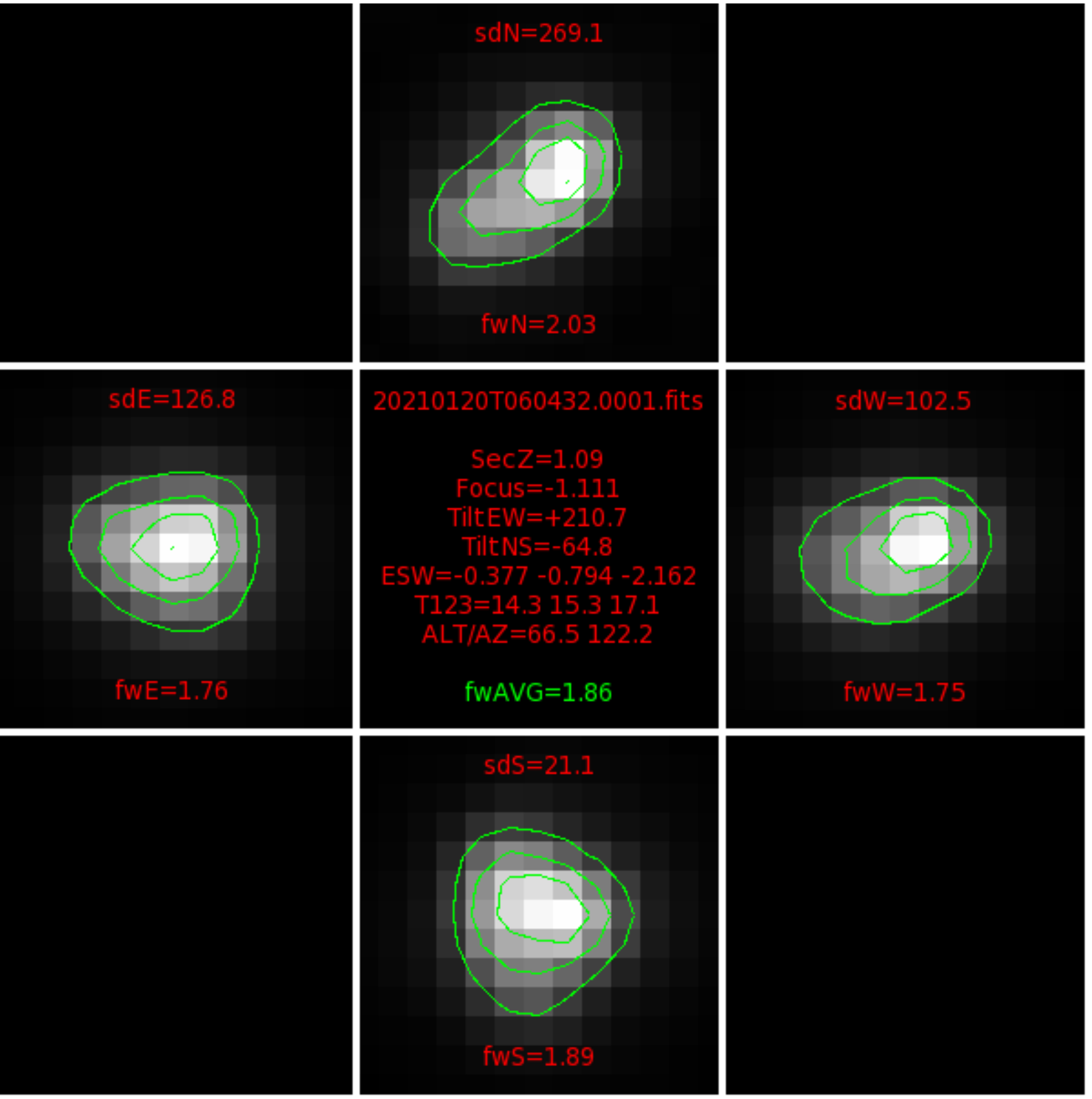
sdN=269.1
fwN=2.03
sdE=126.8
fwE=1.76
20210120T060432.0001.fits
SecZ=1.09
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.3 17.1
ALT/AZ=66.5 122.2
fwAVG=1.86
sdW=102.5
fwW=1.75
sdS=21.1
fwS=1.89
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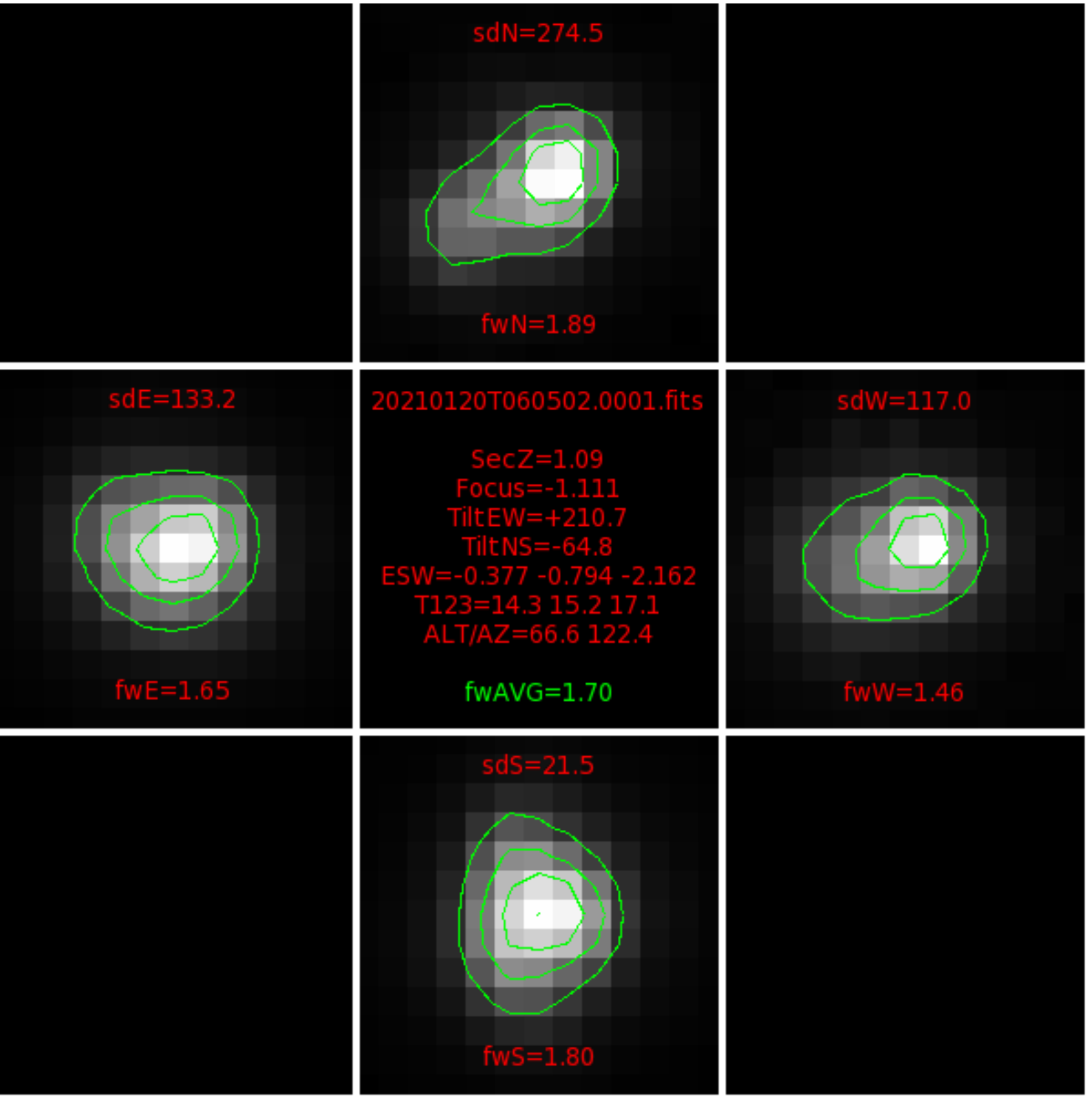
sdN=274.5
fwN=1.89
sdE=133.2
fwE=1.65
20210120T060502.0001.fits
SecZ=1.09
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.1
ALT/AZ=66.6 122.4
fwAVG=1.70
sdW=117.0
fwW=1.46
sdS=21.5
fwS=1.80
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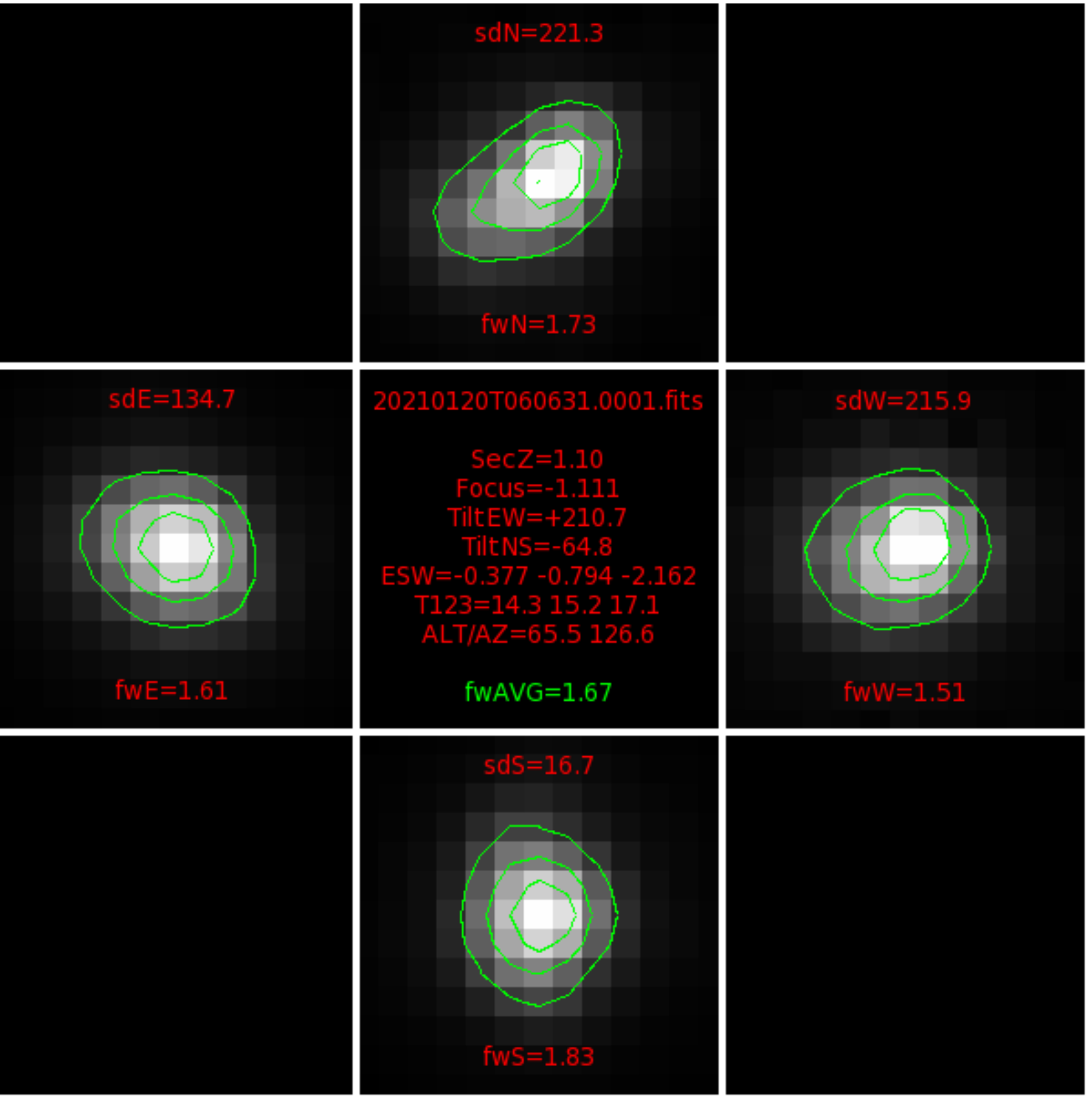
sdN=221.3
fwN=1.73
sdE=134.7
fwE=1.61
20210120T060631.0001.fits
SecZ=1.10
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.1
ALT/AZ=65.5 126.6
fwAVG=1.67
sdW=215.9
fwW=1.51
sdS=16.7
fwS=1.83
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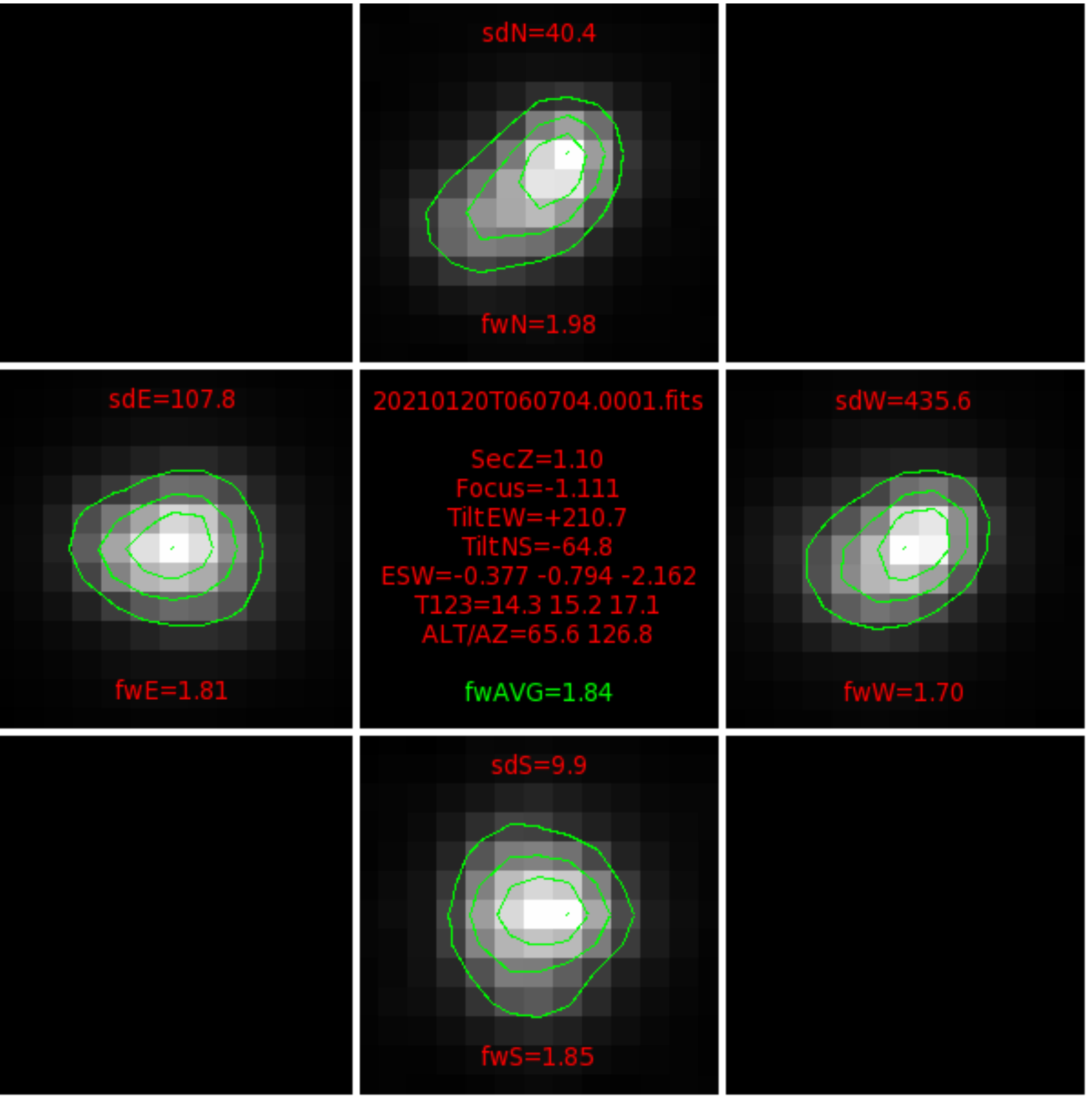
sdN=40.4
fwN=1.98
sdE=107.8
fwE=1.81
20210120T060704.0001.fits
SecZ=1.10
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.1
ALT/AZ=65.6 126.8
fwAVG=1.84
sdW=435.6
fwW=1.70
sdS=9.9
fwS=1.85
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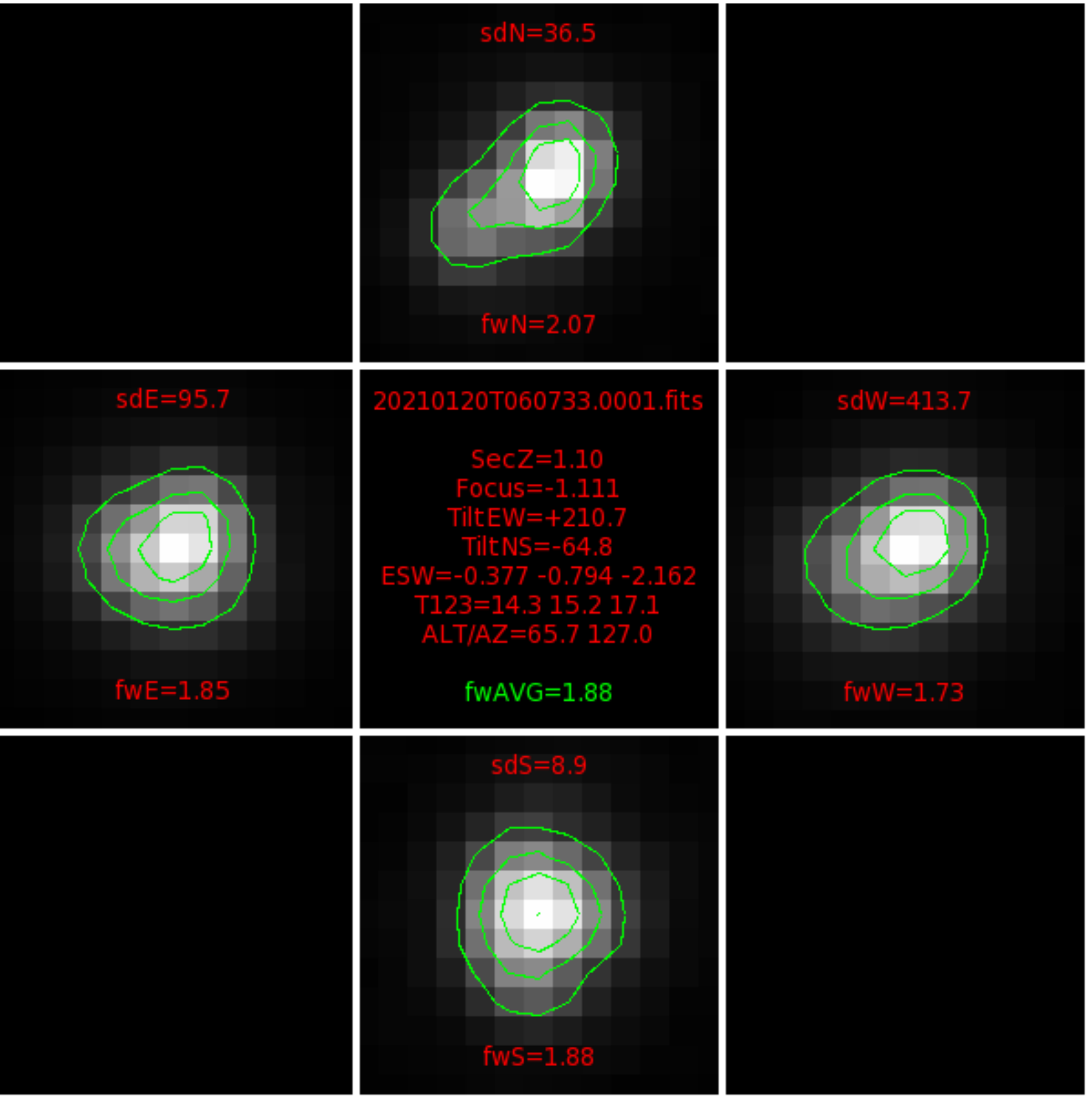
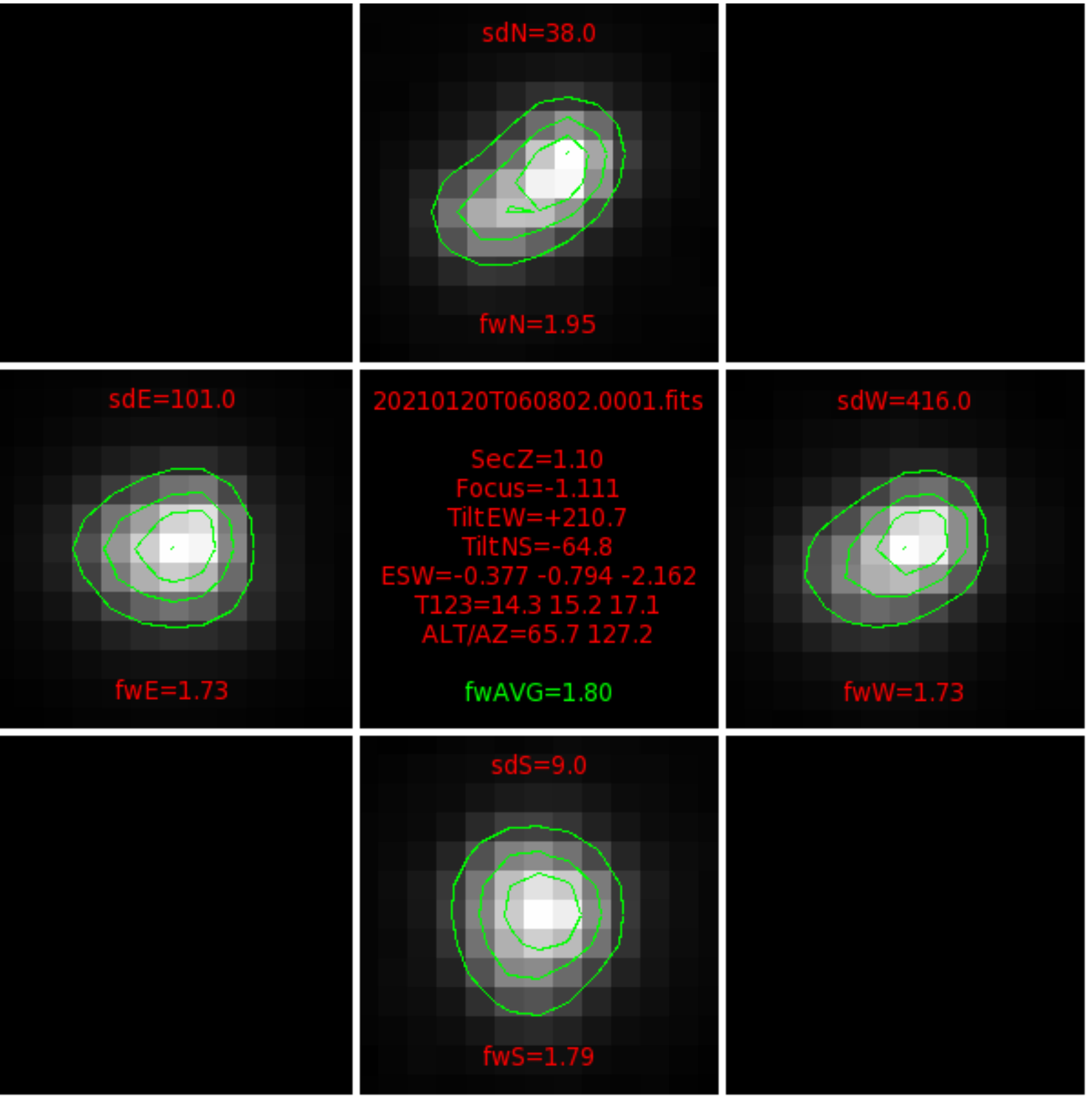

sdN=36.5
fwN=2.07
sdE=95.7
fwE=1.85
20210120T060733.0001.fits
SecZ=1.10
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.1
ALT/AZ=65.7 127.0
fwAVG=1.88
sdW=413.7
fwW=1.73
sdS=8.9
fwS=1.88
0 0 0 0 0 0 0 0 0


sdN=38.0
fwN=1.95
sdE=101.0
fwE=1.73
20210120T060802.0001.fits
SecZ=1.10
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.1
ALT/AZ=65.7 127.2
fwAVG=1.80
sdW=416.0
fwW=1.73
sdS=9.0
fwS=1.79
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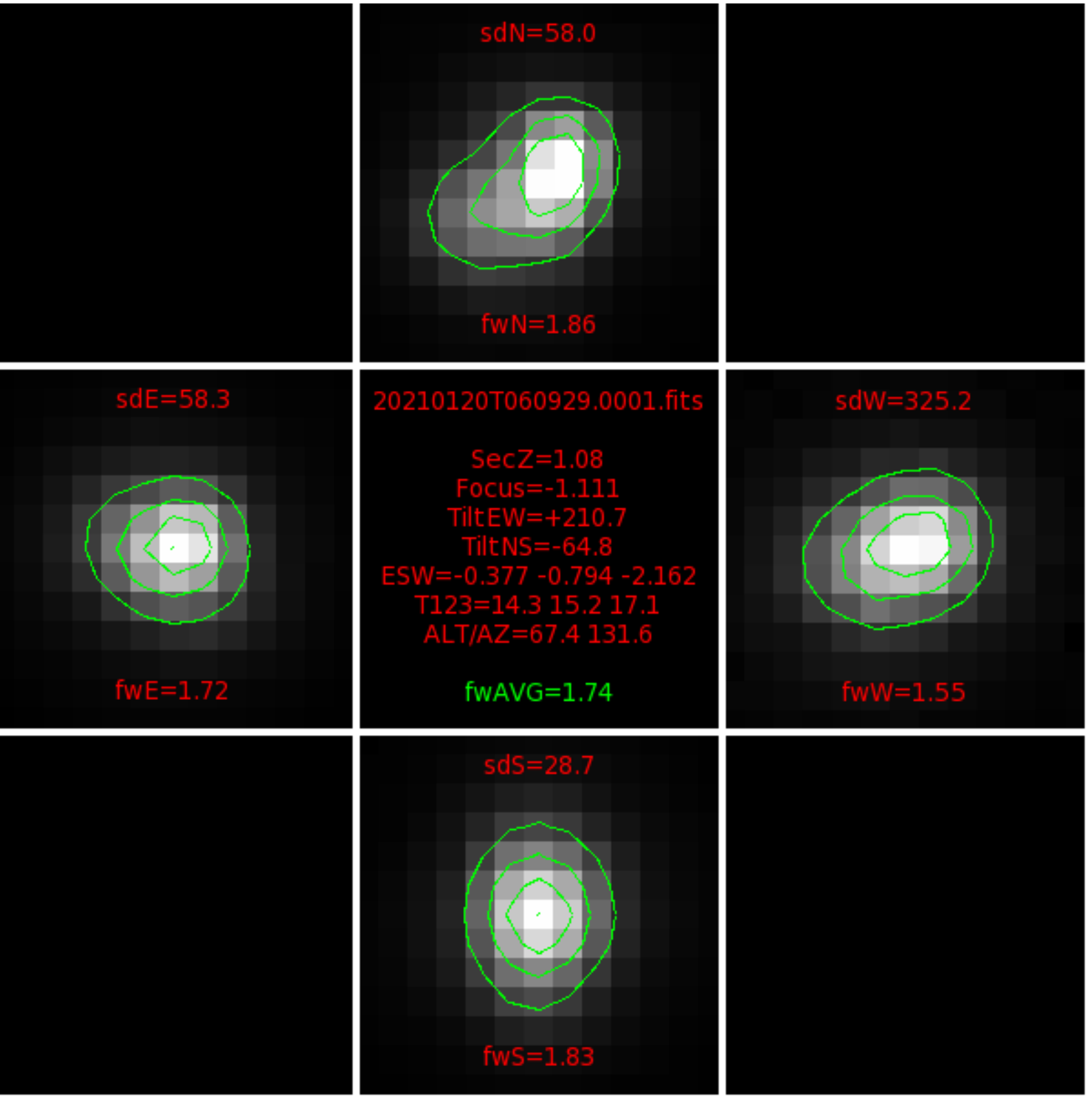
sdN=58.0
fwN=1.86
sdE=58.3
fwE=1.72
20210120T060929.0001.fits
SecZ=1.08
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.1
ALT/AZ=67.4 131.6
fwAVG=1.74
sdW=325.2
fwW=1.55
sdS=28.7
fwS=1.83
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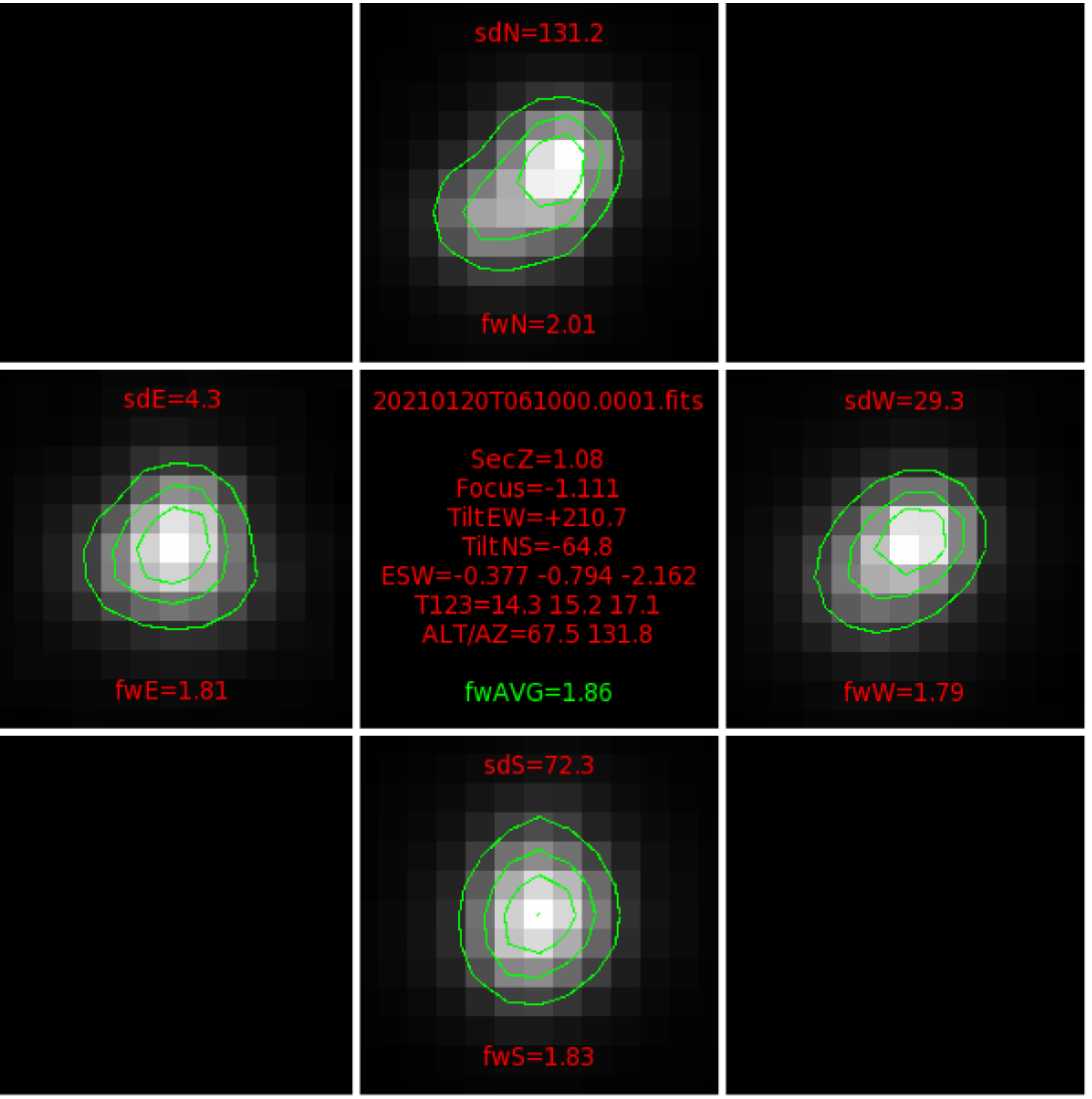
sdN=131.2
fwN=2.01
sdE=4.3
fwE=1.81
20210120T061000.0001.fits
SecZ=1.08
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.1
ALT/AZ=67.5 131.8
fwAVG=1.86
sdW=29.3
fwW=1.79
sdS=72.3
fwS=1.83
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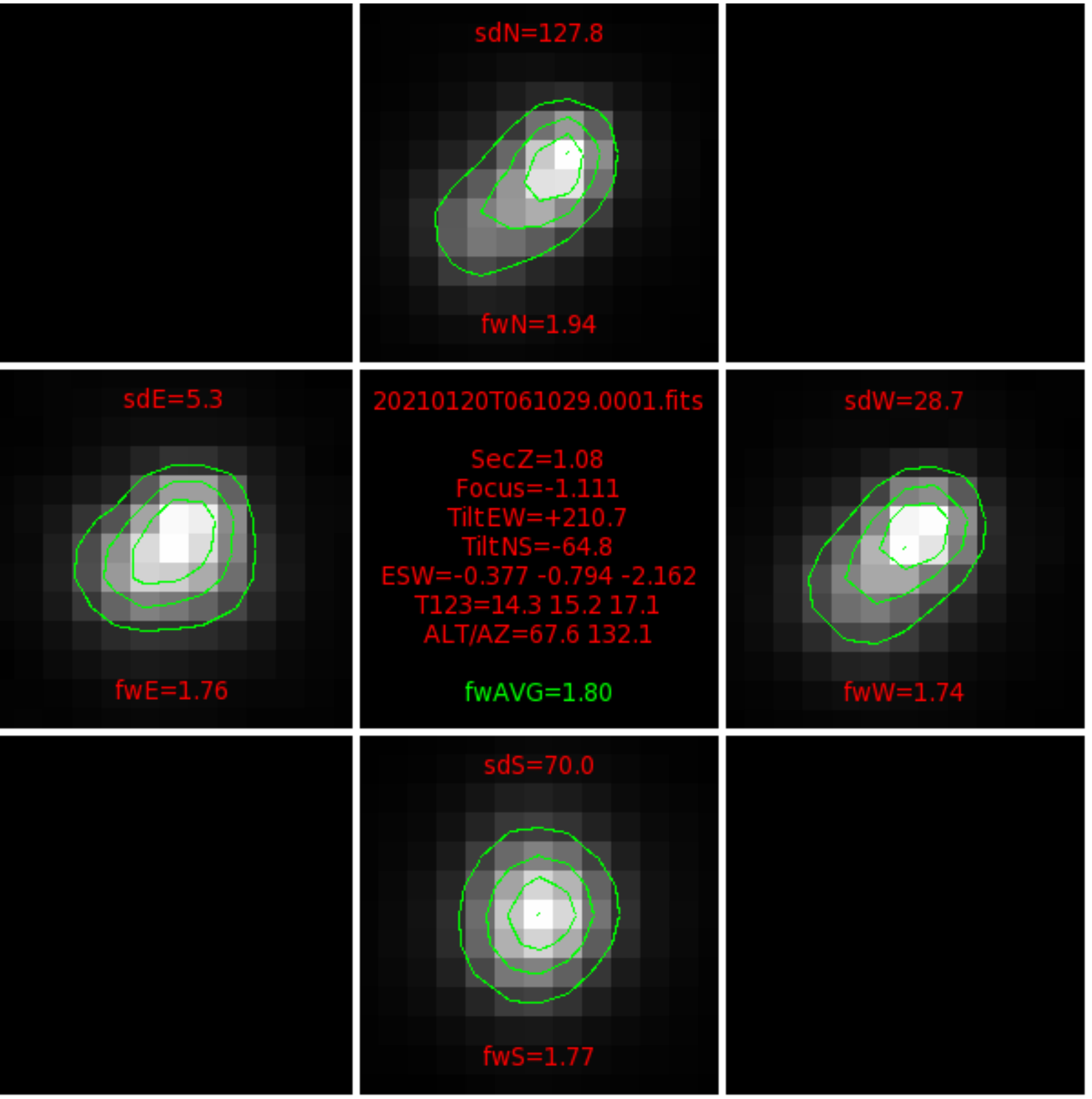
sdN=127.8
fwN=1.94
sdE=5.3
fwE=1.76
20210120T061029.0001.fits
SecZ=1.08
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.1
ALT/AZ=67.6 132.1
fwAVG=1.80
sdW=28.7
fwW=1.74
sdS=70.0
fwS=1.77
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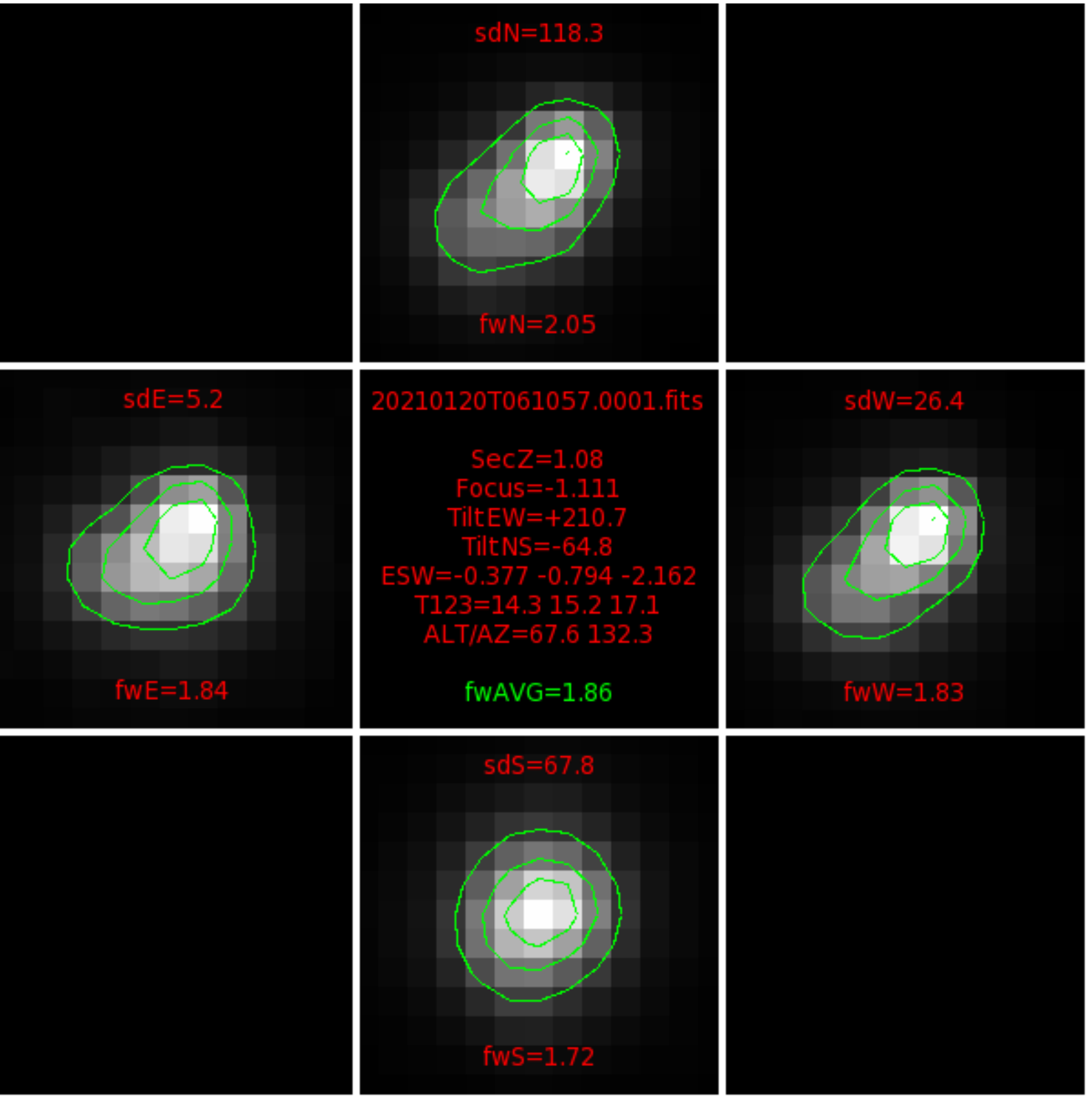
sdN=118.3
fwN=2.05
sdE=5.2
fwE=1.84
20210120T061057.0001.fits
SecZ=1.08
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.1
ALT/AZ=67.6 132.3
fwAVG=1.86
sdW=26.4
fwW=1.83
sdS=67.8
fwS=1.72
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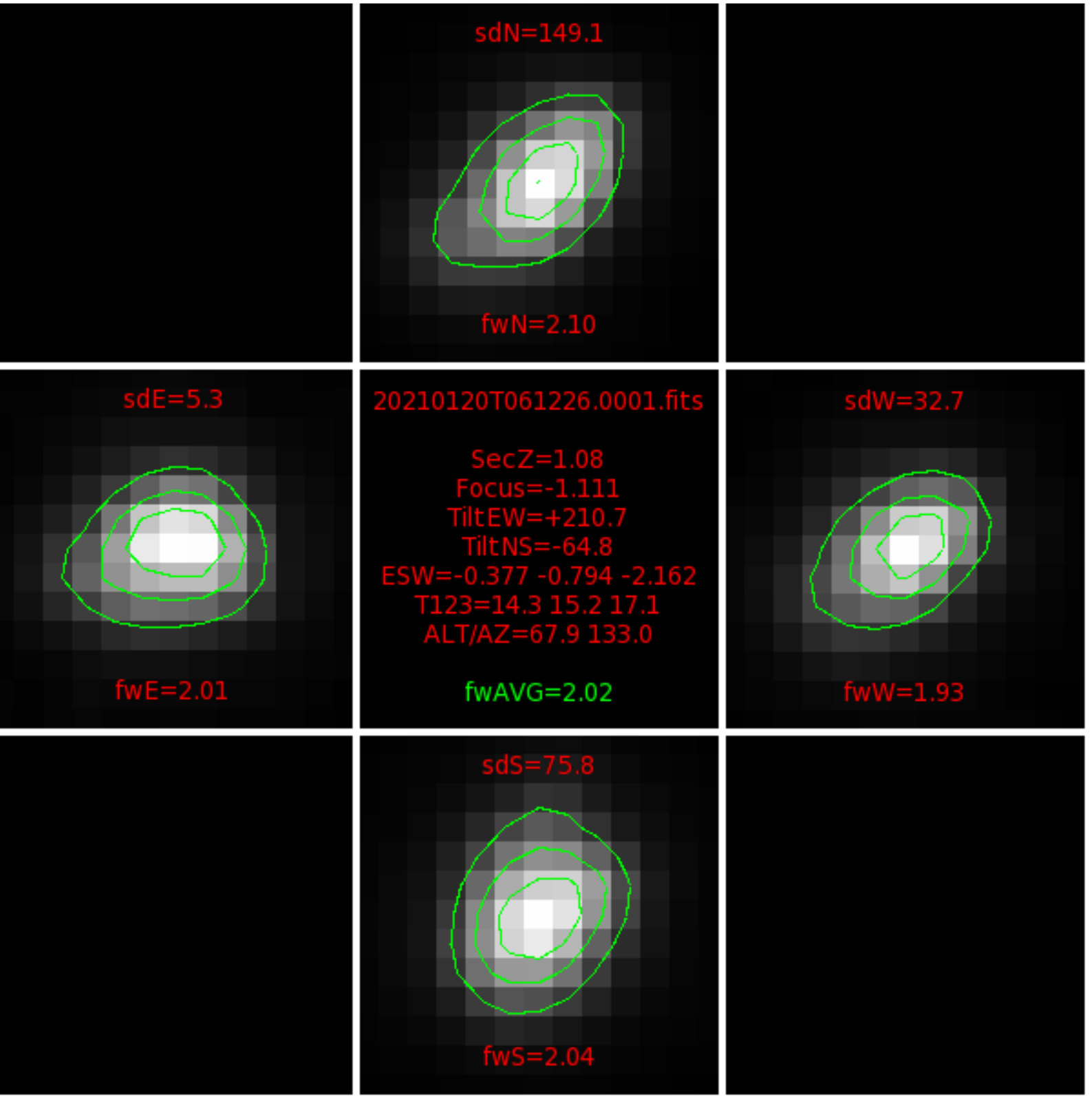
sdN=149.1
fwN=2.10
sdE=5.3
fwE=2.01
20210120T061226.0001.fits
SecZ=1.08
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.1
ALT/AZ=67.9 133.0
fwAVG=2.02
sdW=32.7
fwW=1.93
sdS=75.8
fwS=2.04
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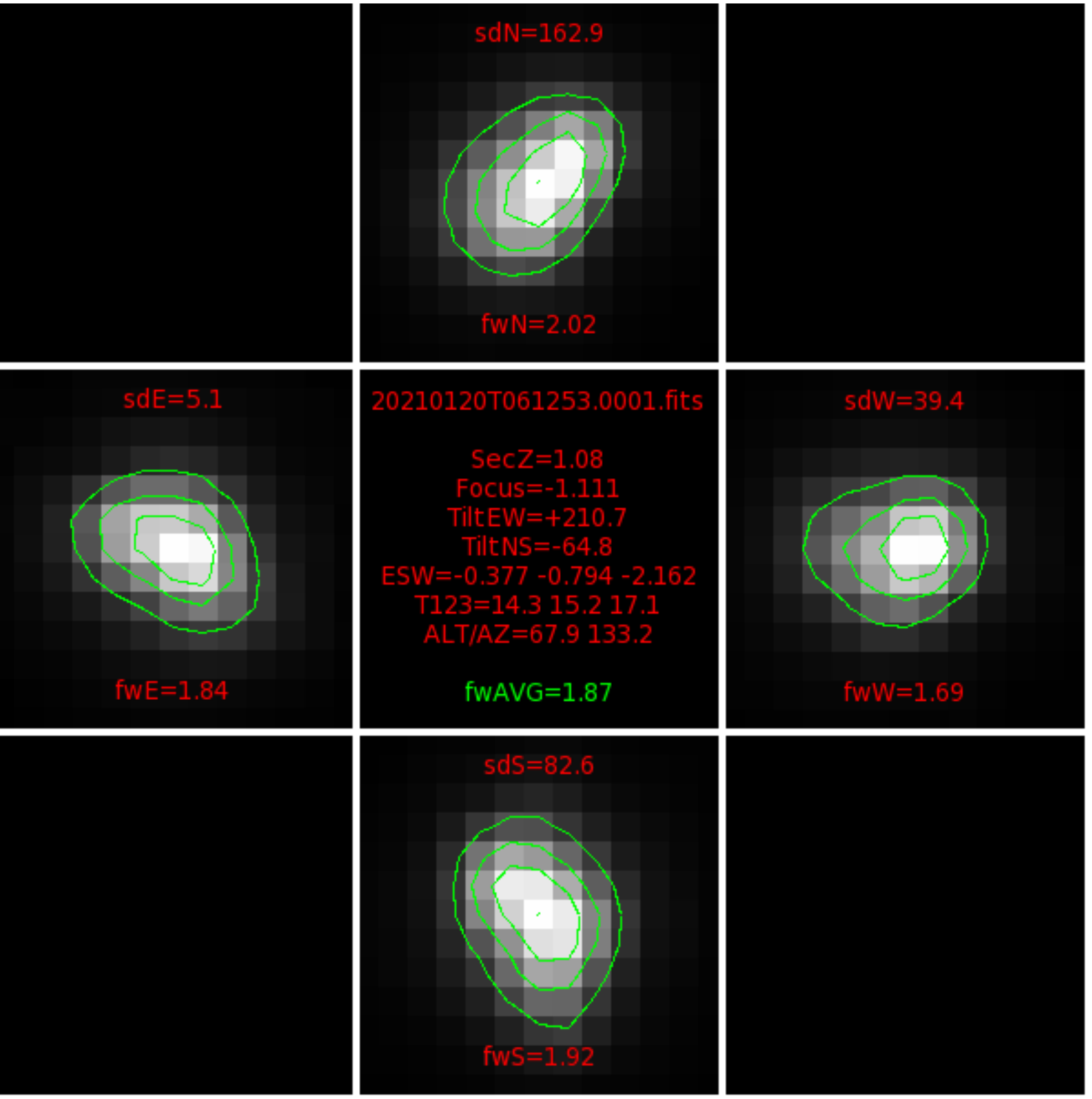
sdN=162.9
fwN=2.02
sdE=5.1
fwE=1.84
20210120T061253.0001.fits
SecZ=1.08
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.1
ALT/AZ=67.9 133.2
fwAVG=1.87
sdW=39.4
fwW=1.69
sdS=82.6
fwS=1.92
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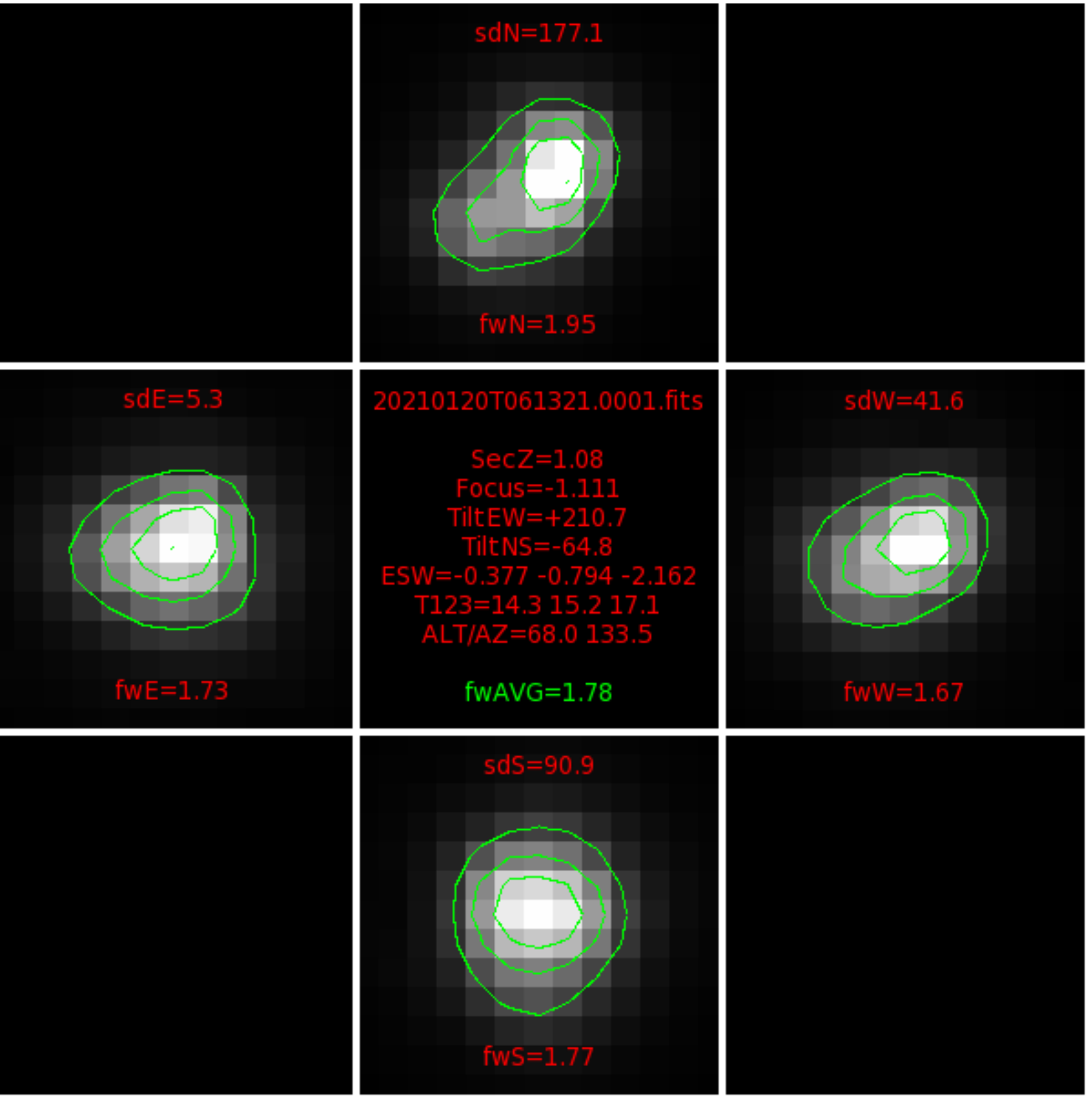
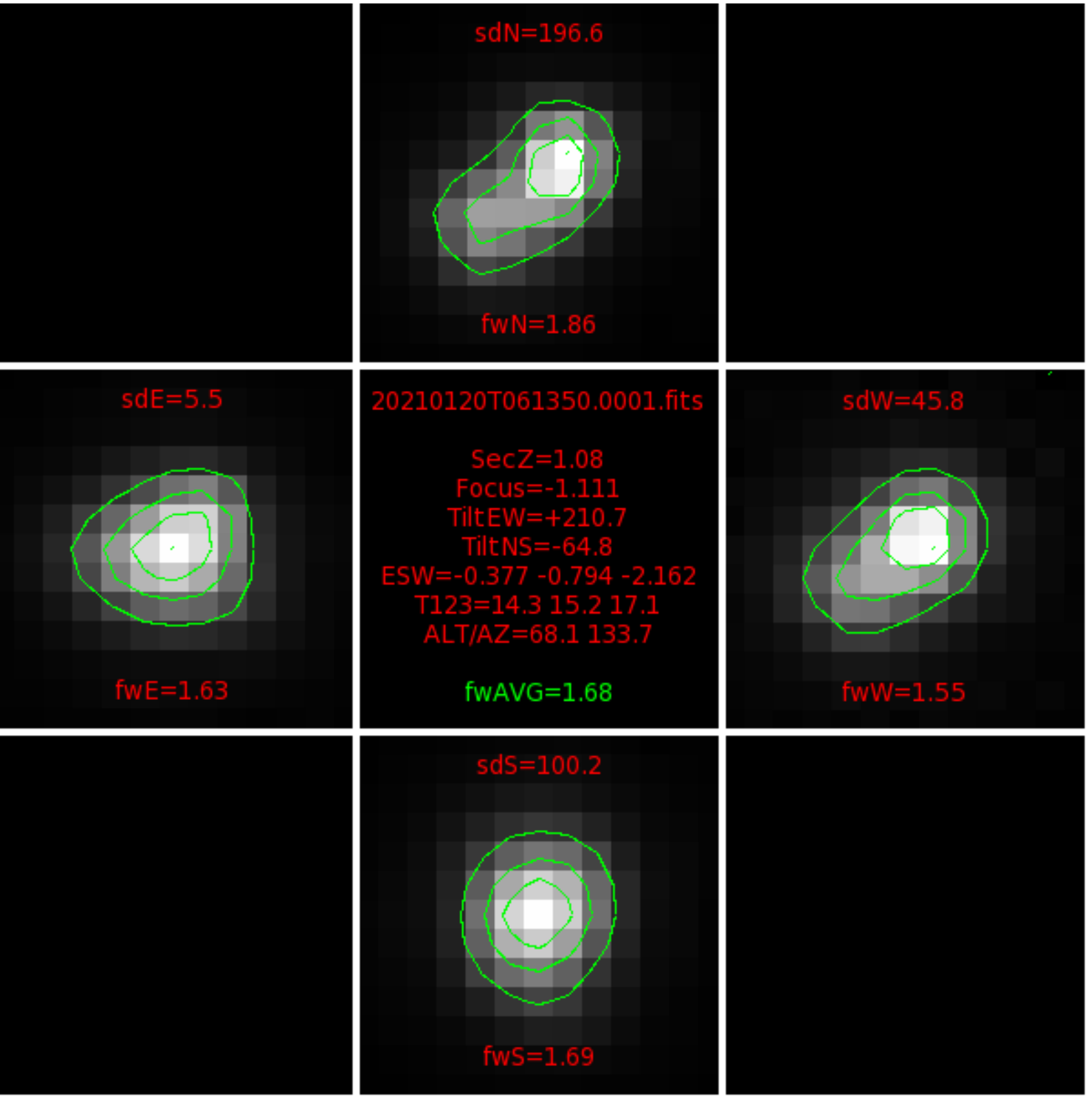

sdN=177.1
fwN=1.95
sdE=5.3
fwE=1.73
20210120T061321.0001.fits
SecZ=1.08
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.1
ALT/AZ=68.0 133.5
fwAVG=1.78
sdW=41.6
fwW=1.67
sdS=90.9
fwS=1.77
0 0 0 0 0 0 0 0 0


sdN=196.6
fwN=1.86
sdE=5.5
fwE=1.63
20210120T061350.0001.fits
SecZ=1.08
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.1
ALT/AZ=68.1 133.7
fwAVG=1.68
sdW=45.8
fwW=1.55
sdS=100.2
fwS=1.69
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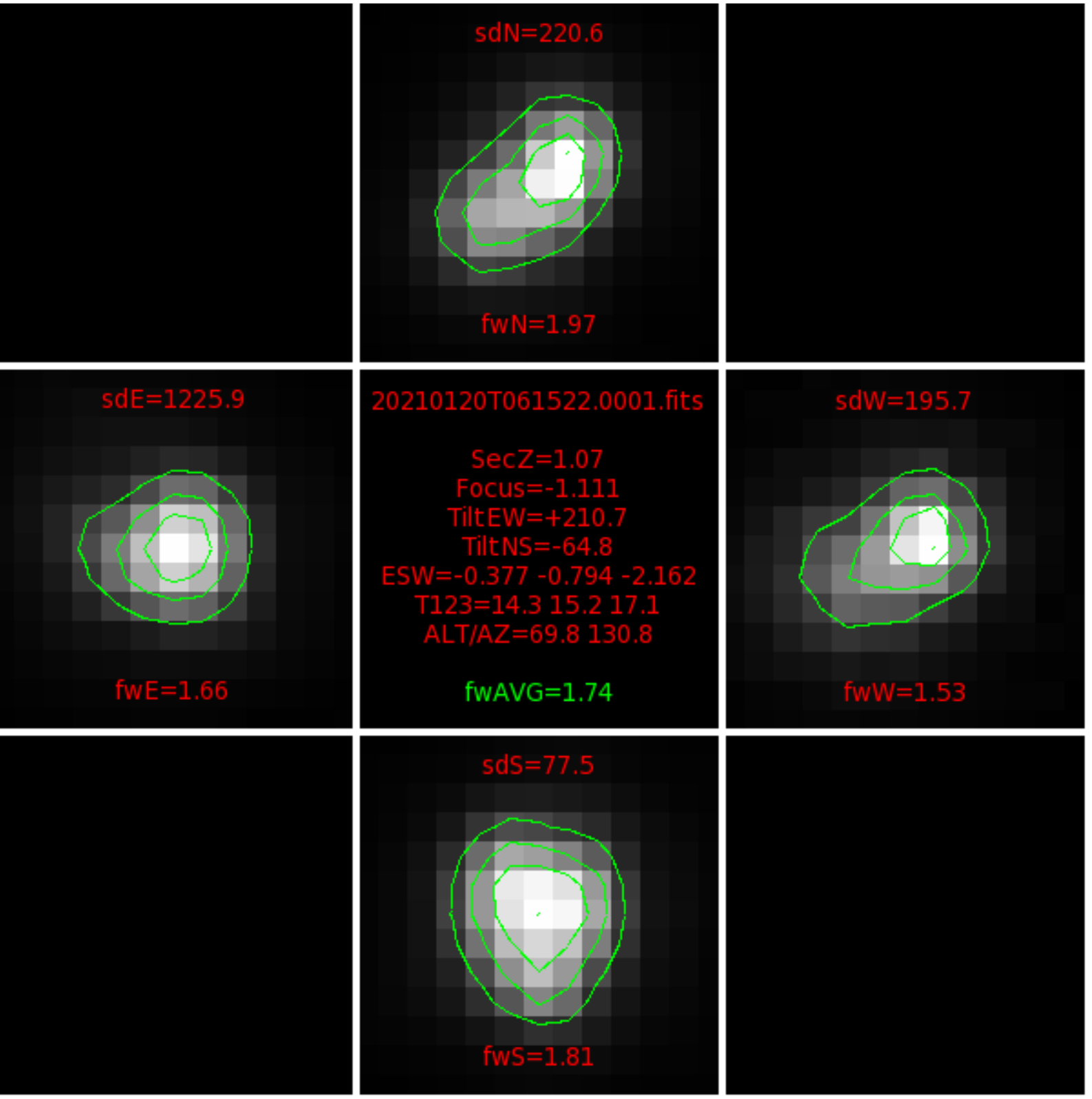
sdN=220.6
fwN=1.97
sdE=1225.9
fwE=1.66
20210120T061522.0001.fits
SecZ=1.07
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.1
ALT/AZ=69.8 130.8
fwAVG=1.74
sdW=195.7
fwW=1.53
sdS=77.5
fwS=1.81
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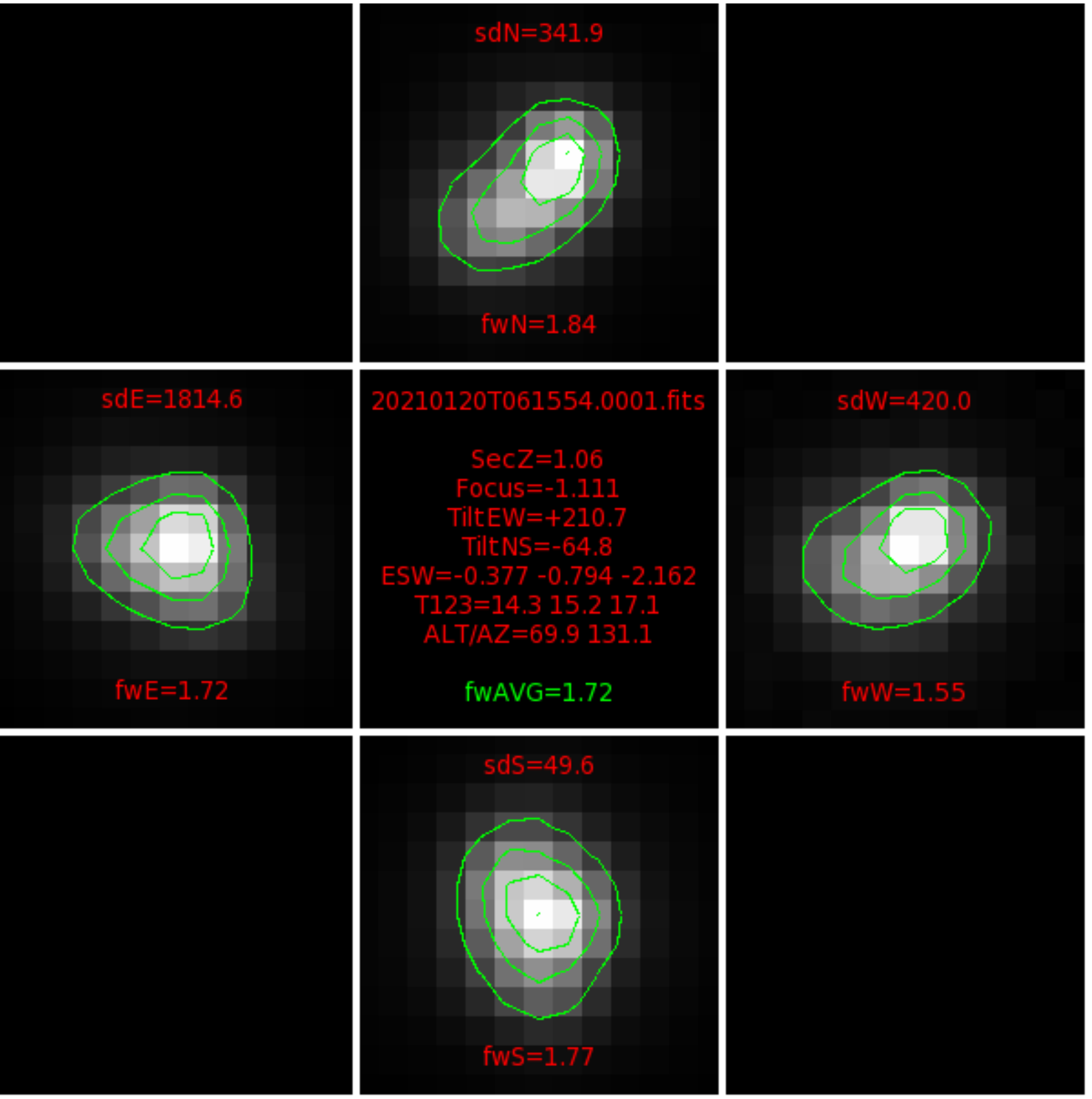
sdN=341.9
fwN=1.84
sdE=1814.6
fwE=1.72
20210120T061554.0001.fits
SecZ=1.06
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.1
ALT/AZ=69.9 131.1
fwAVG=1.72
sdW=420.0
fwW=1.55
sdS=49.6
fwS=1.77
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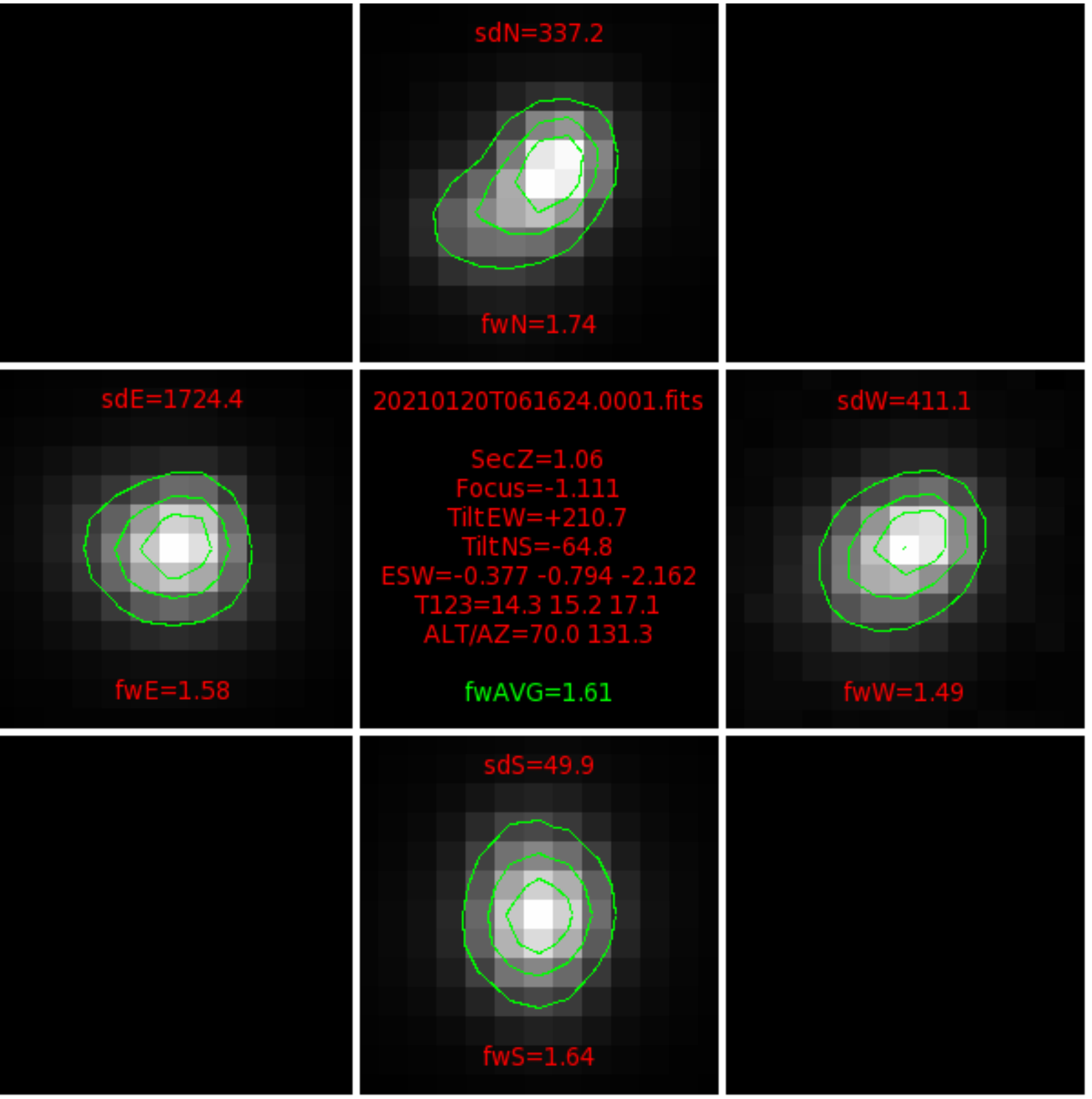
sdN=337.2
fwN=1.74
sdE=1724.4
fwE=1.58
20210120T061624.0001.fits
SecZ=1.06
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.1
ALT/AZ=70.0 131.3
fwAVG=1.61
sdW=411.1
fwW=1.49
sdS=49.9
fwS=1.64
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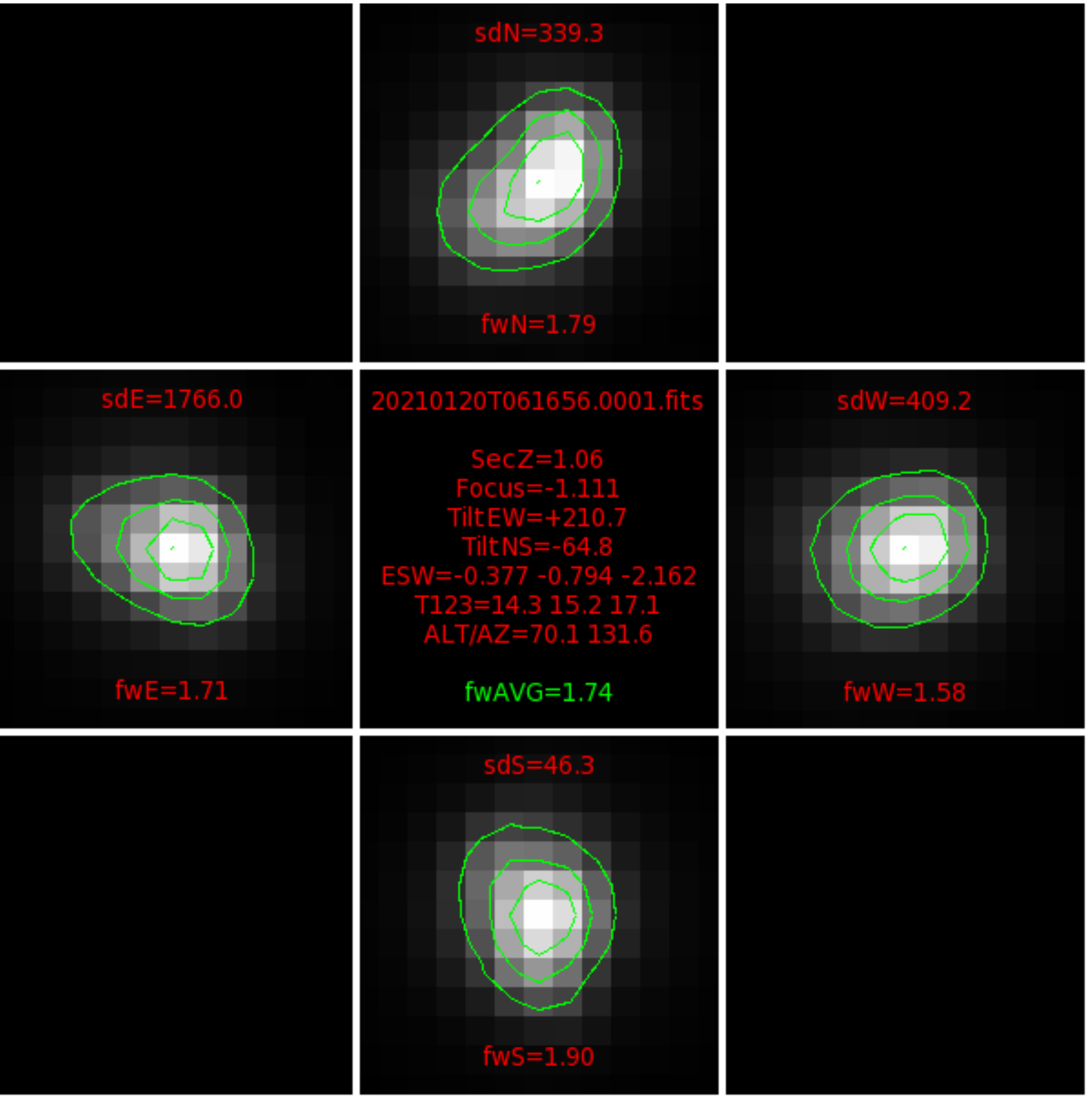
sdN=339.3
fwN=1.79
sdE=1766.0
fwE=1.71
20210120T061656.0001.fits
SecZ=1.06
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.1
ALT/AZ=70.1 131.6
fwAVG=1.74
sdW=409.2
fwW=1.58
sdS=46.3
fwS=1.90
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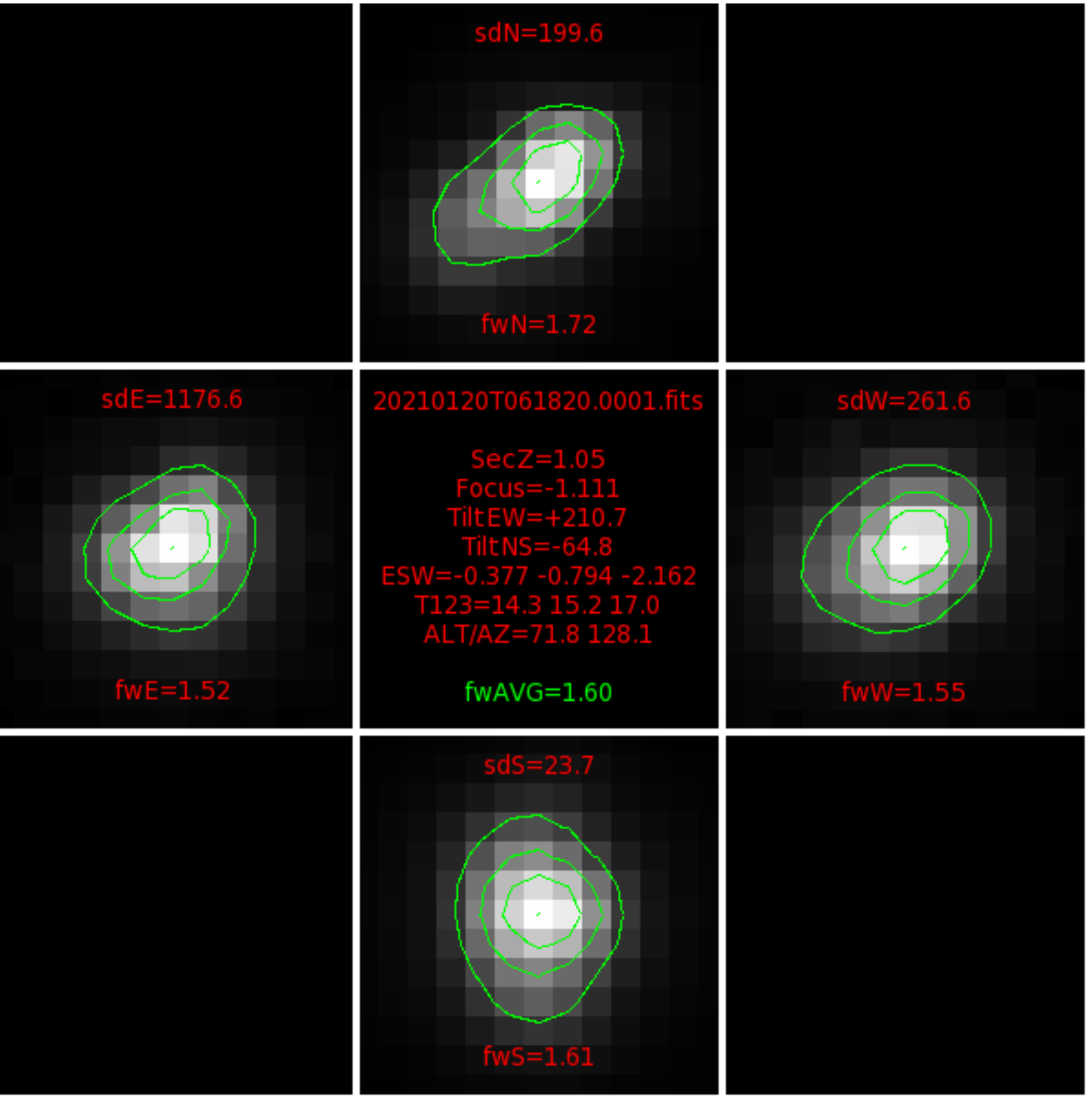
sdN=199.6
fwN=1.72
sdE=1176.6
fwE=1.52
20210120T061820.0001.fits
SecZ=1.05
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.0
ALT/AZ=71.8 128.1
fwAVG=1.60
sdW=261.6
fwW=1.55
sdS=23.7
fwS=1.61
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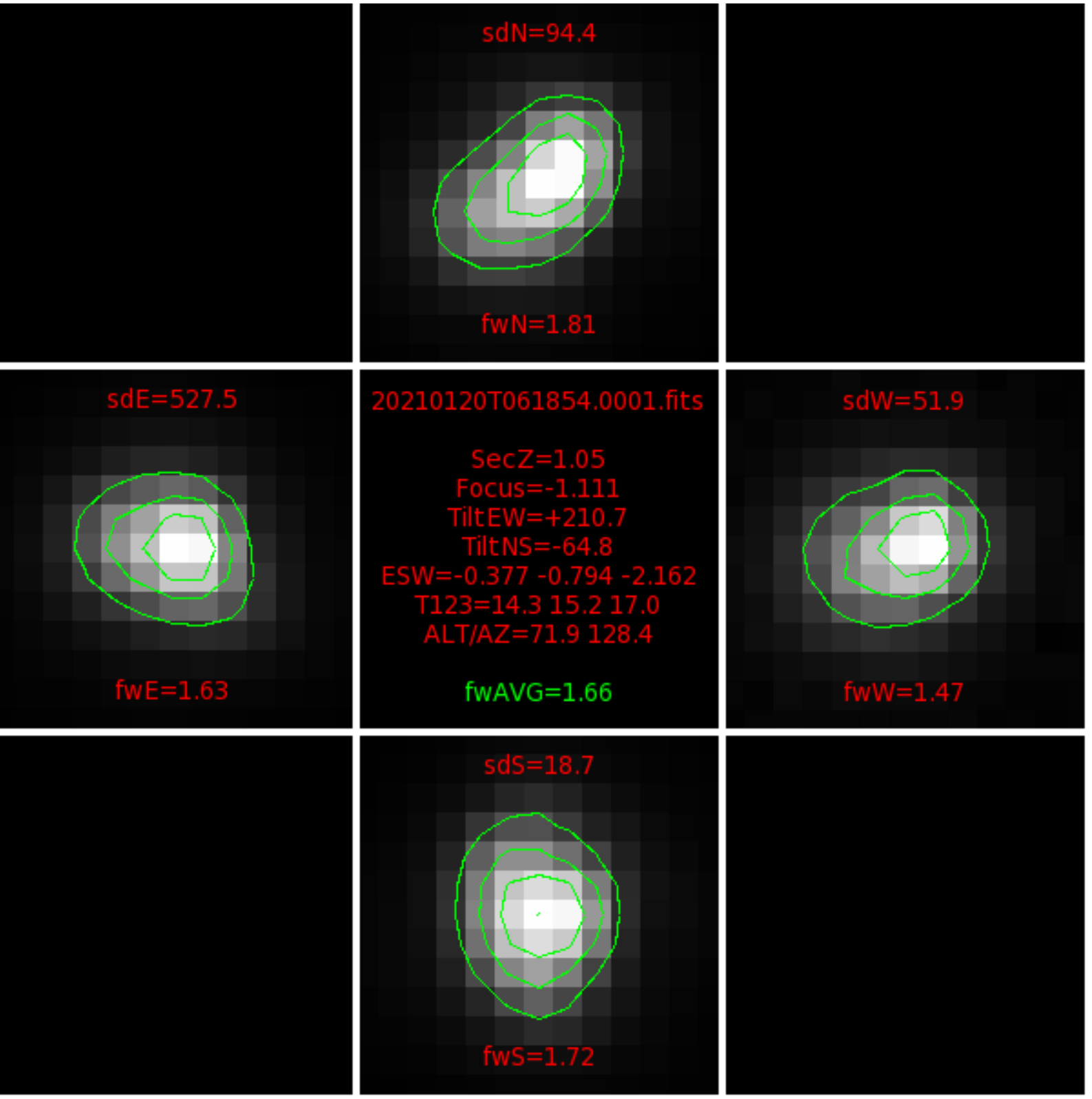
sdN=94.4
fwN=1.81
sdE=527.5
fwE=1.63
20210120T061854.0001.fits
SecZ=1.05
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.0
ALT/AZ=71.9 128.4
fwAVG=1.66
sdW=51.9
fwW=1.47
sdS=18.7
fwS=1.72
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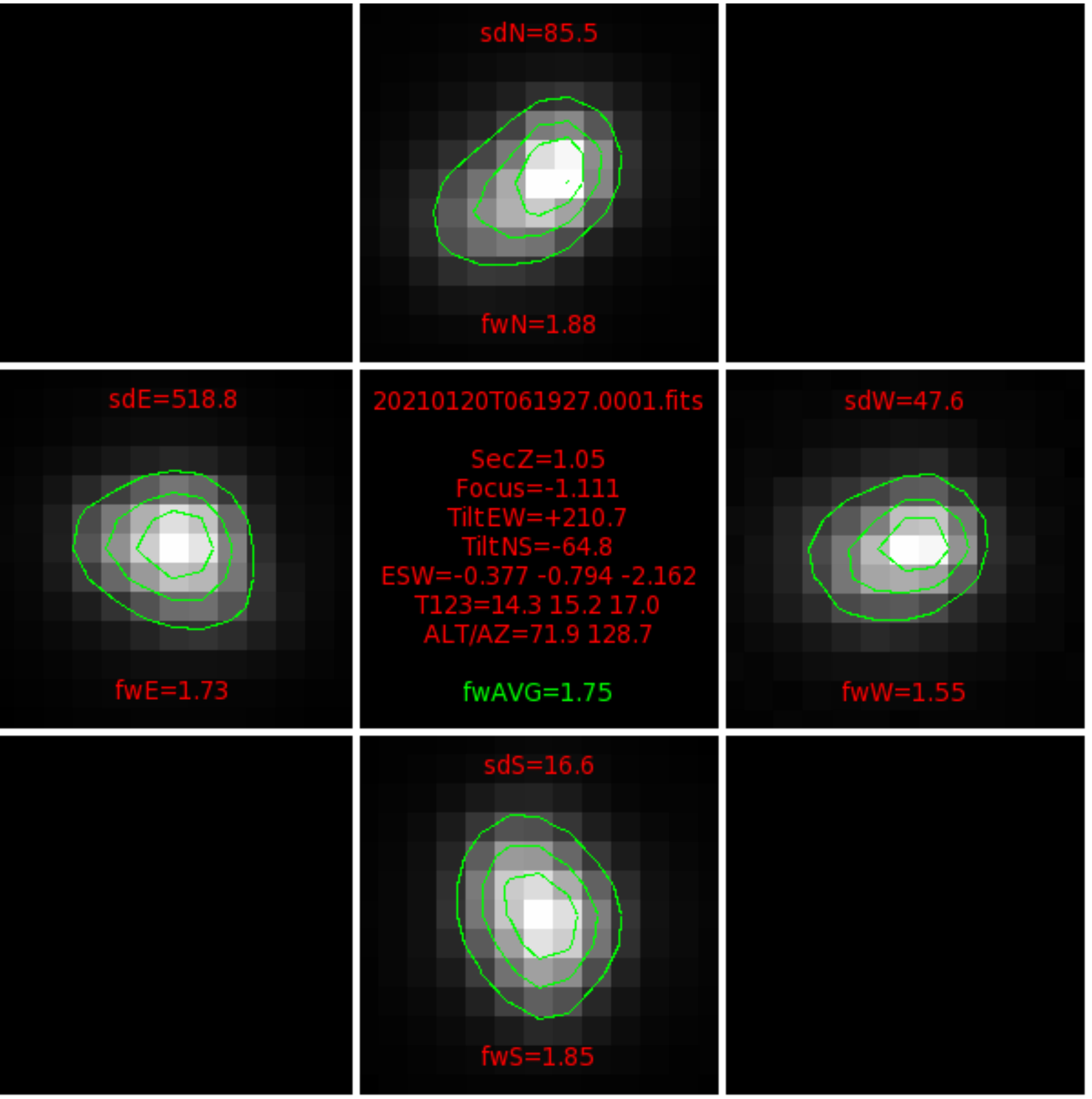
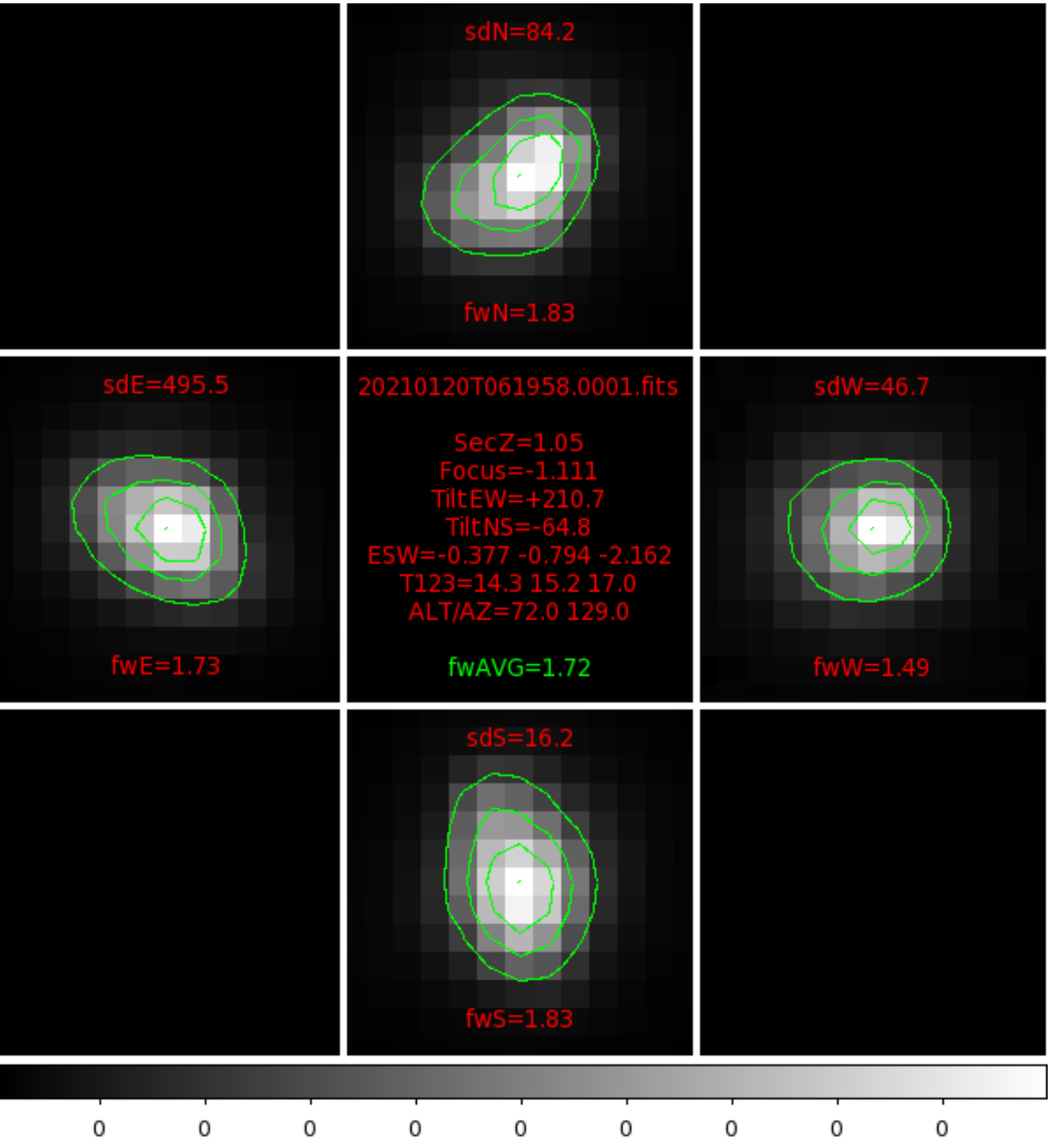
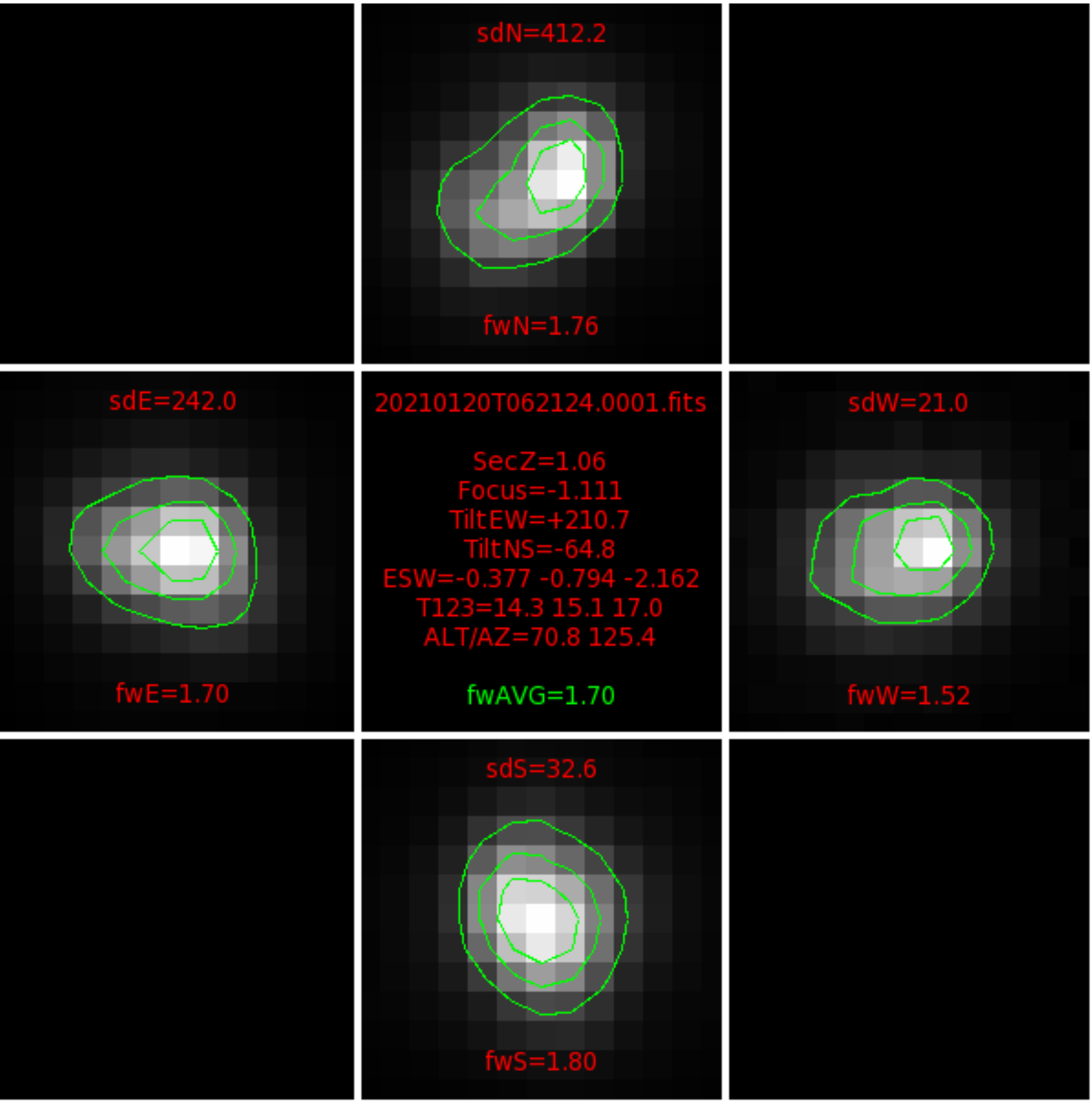

sdN=85.5
fwN=1.88
sdE=518.8
fwE=1.73
20210120T061927.0001.fits
SecZ=1.05
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.0
ALT/AZ=71.9 128.7
fwAVG=1.75
sdW=47.6
fwW=1.55
sdS=16.6
fwS=1.85
0 0 0 0 0 0 0 0 0


sdN=84.2
fwN=1.83
sdE=495.5
fwE=1.73
20210120T061958.0001.fits
SecZ=1.05
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.0
ALT/AZ=72.0 129.0
fwAVG=1.72
sdW=46.7
fwW=1.49
sdS=16.2
fwS=1.83
0 0 0 0 0 0 0 0 0


sdN=412.2
fwN=1.76
sdE=242.0
fwE=1.70
20210120T062124.0001.fits
SecZ=1.06
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.1 17.0
ALT/AZ=70.8 125.4
fwAVG=1.70
sdW=21.0
fwW=1.52
sdS=32.6
fwS=1.80
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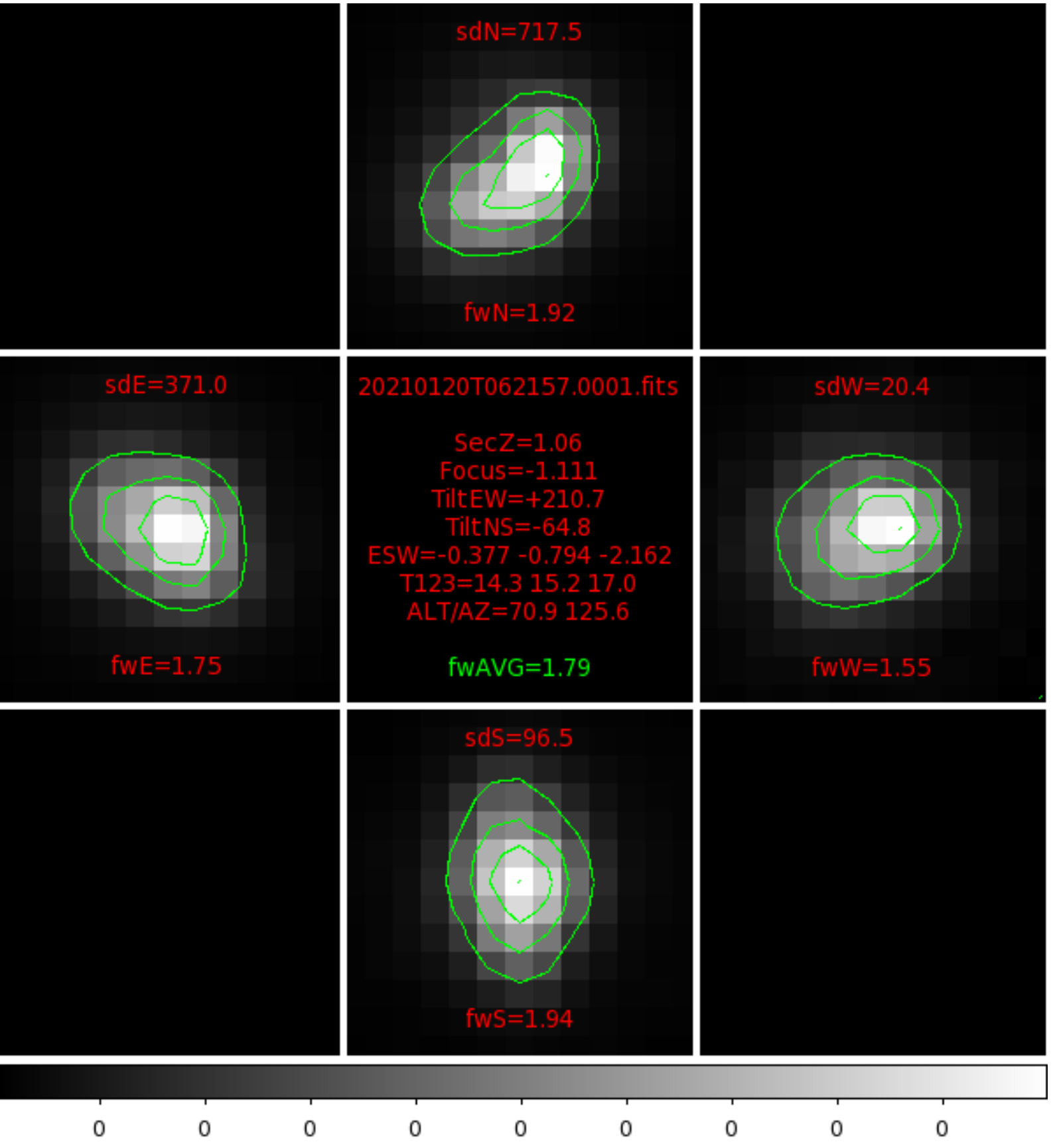
sdN=717.5
fwN=1.92
sdE=371.0
fwE=1.75
20210120T062157.0001.fits
SecZ=1.06
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.0
ALT/AZ=70.9 125.6
fwAVG=1.79
sdW=20.4
fwW=1.55
sdS=96.5
fwS=1.94
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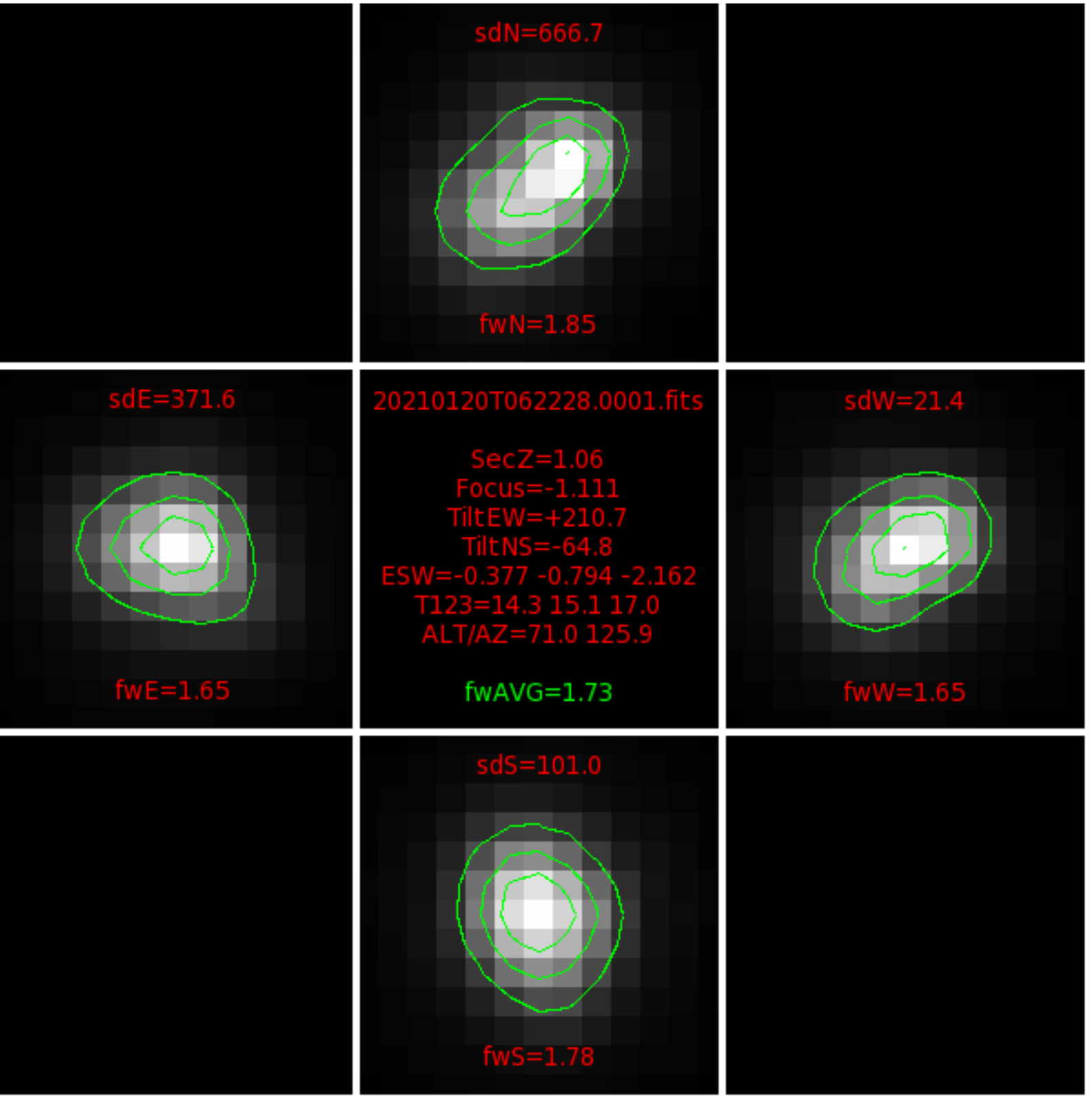
sdN=666.7
fwN=1.85
sdE=371.6
fwE=1.65
20210120T062228.0001.fits
SecZ=1.06
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.1 17.0
ALT/AZ=71.0 125.9
fwAVG=1.73
sdW=21.4
fwW=1.65
sdS=101.0
fwS=1.78
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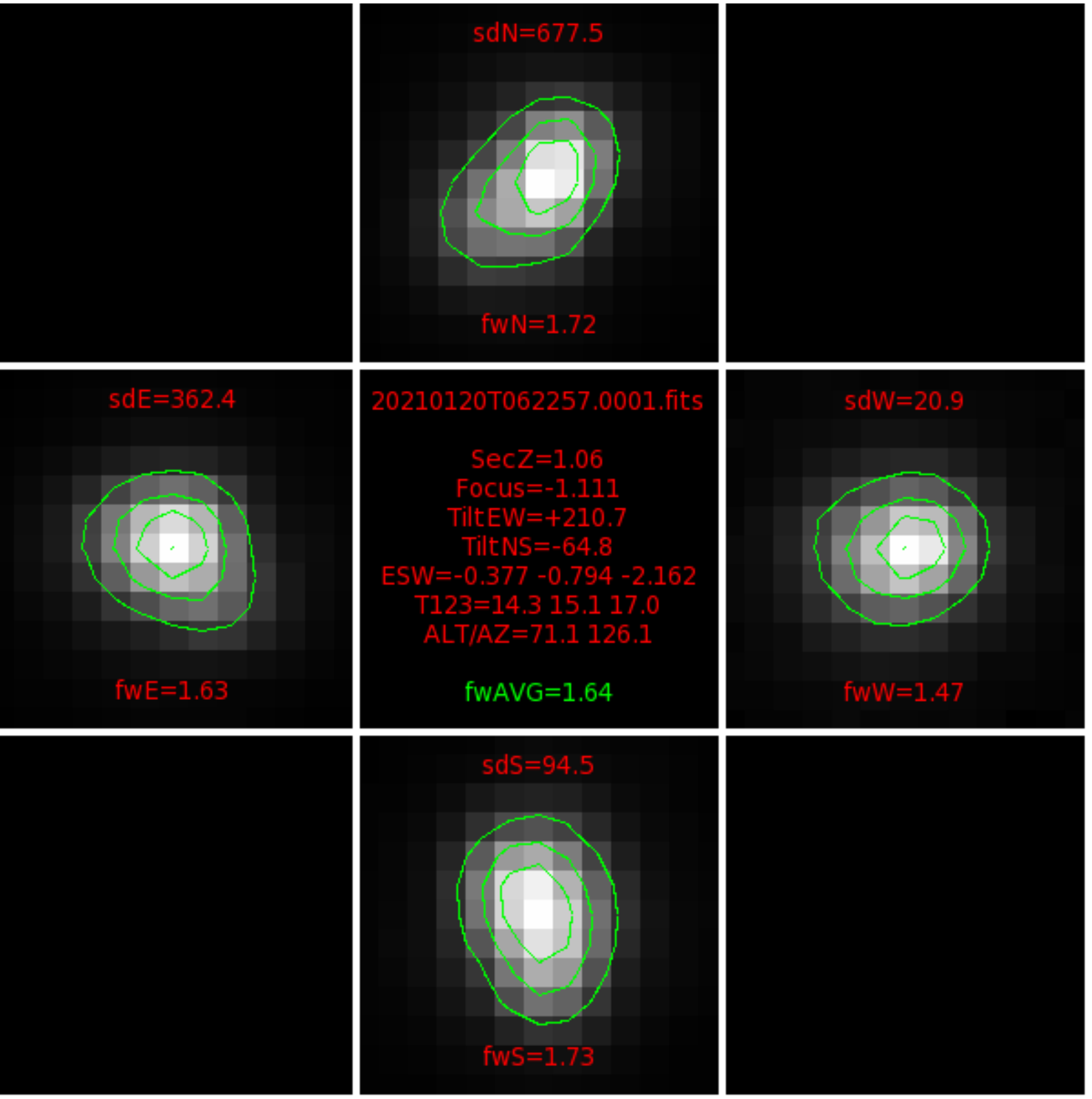
sdN=677.5
fwN=1.72
sdE=362.4
fwE=1.63
20210120T062257.0001.fits
SecZ=1.06
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.1 17.0
ALT/AZ=71.1 126.1
fwAVG=1.64
sdW=20.9
fwW=1.47
sdS=94.5
fwS=1.73
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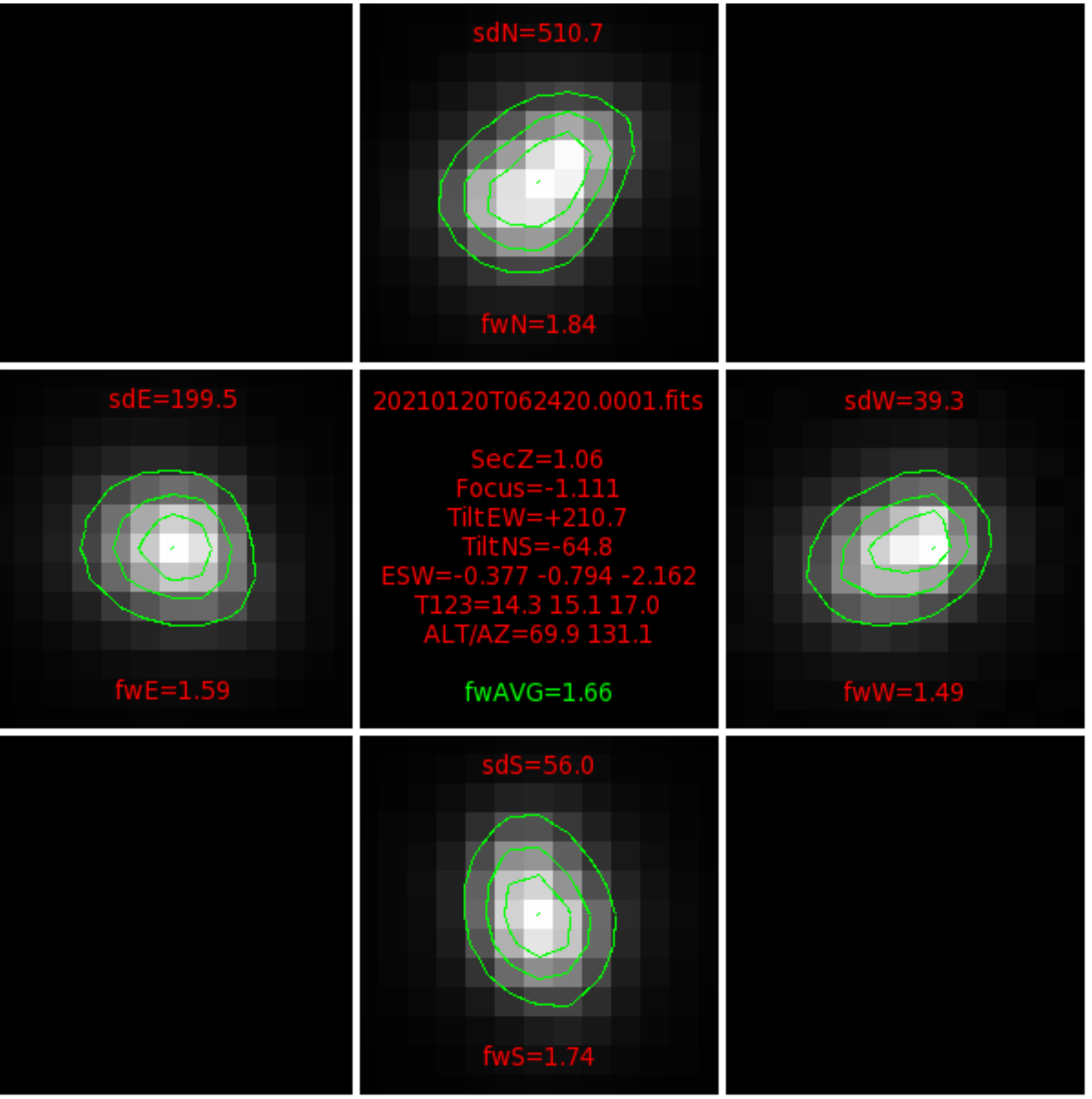
sdN=510.7
fwN=1.84
sdE=199.5
fwE=1.59
20210120T062420.0001.fits
SecZ=1.06
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.1 17.0
ALT/AZ=69.9 131.1
fwAVG=1.66
sdW=39.3
fwW=1.49
sdS=56.0
fwS=1.74
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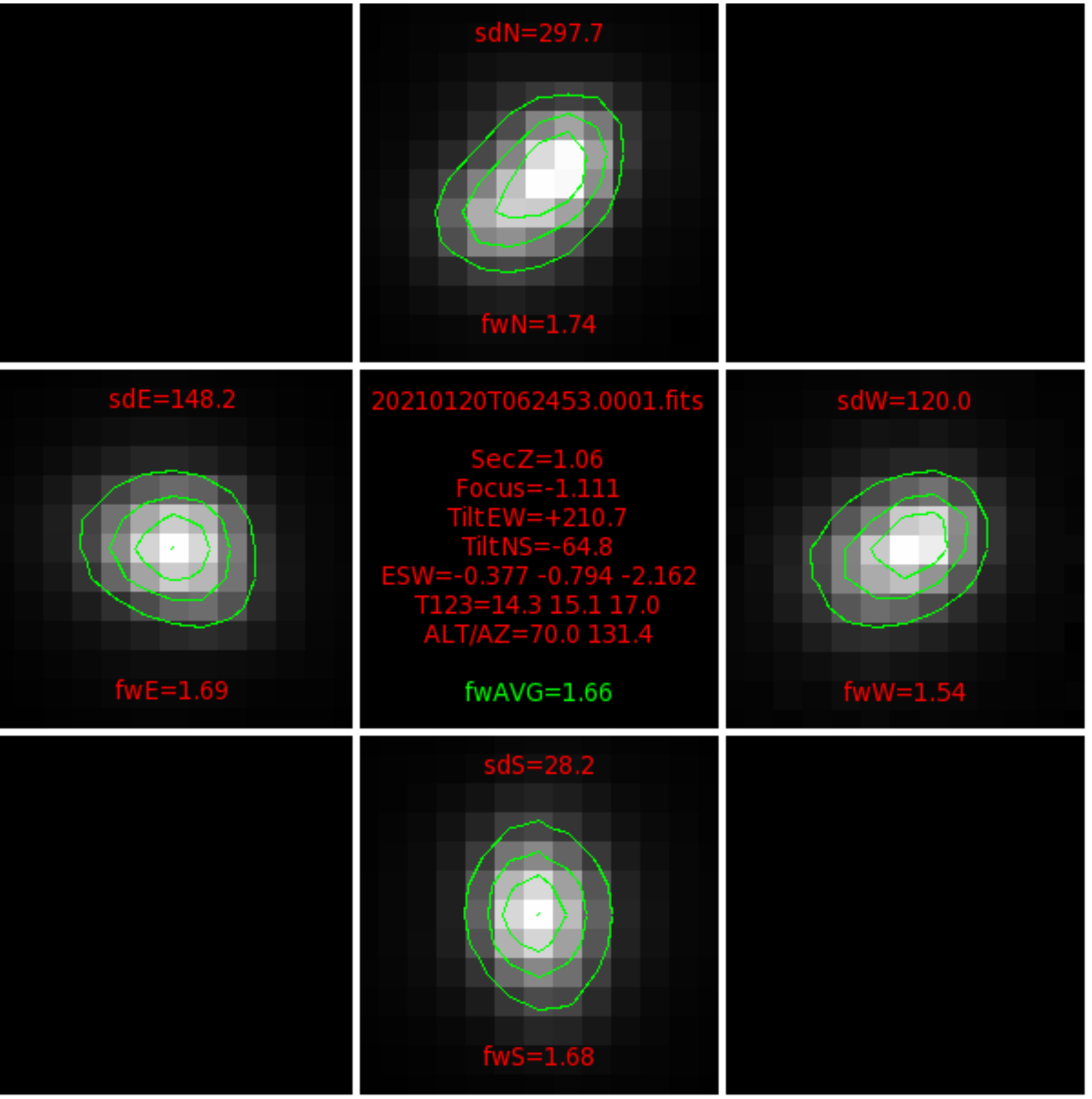
sdN=297.7
fwN=1.74
sdE=148.2
fwE=1.69
20210120T062453.0001.fits
SecZ=1.06
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.1 17.0
ALT/AZ=70.0 131.4
fwAVG=1.66
sdW=120.0
fwW=1.54
sdS=28.2
fwS=1.68
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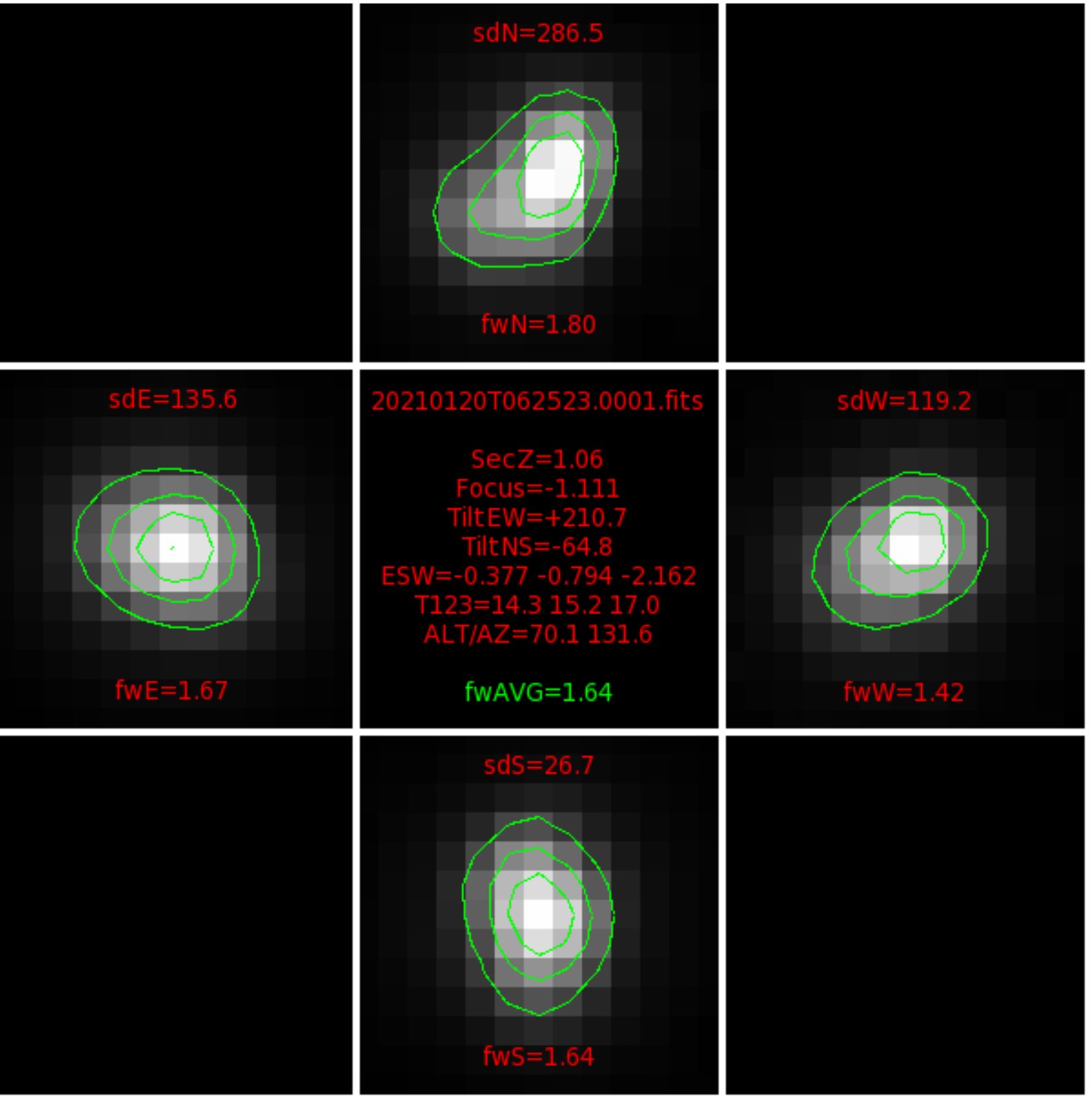
sdN=286.5
fwN=1.80
sdE=135.6
fwE=1.67
20210120T062523.0001.fits
SecZ=1.06
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.0
ALT/AZ=70.1 131.6
fwAVG=1.64
sdW=119.2
fwW=1.42
sdS=26.7
fwS=1.64
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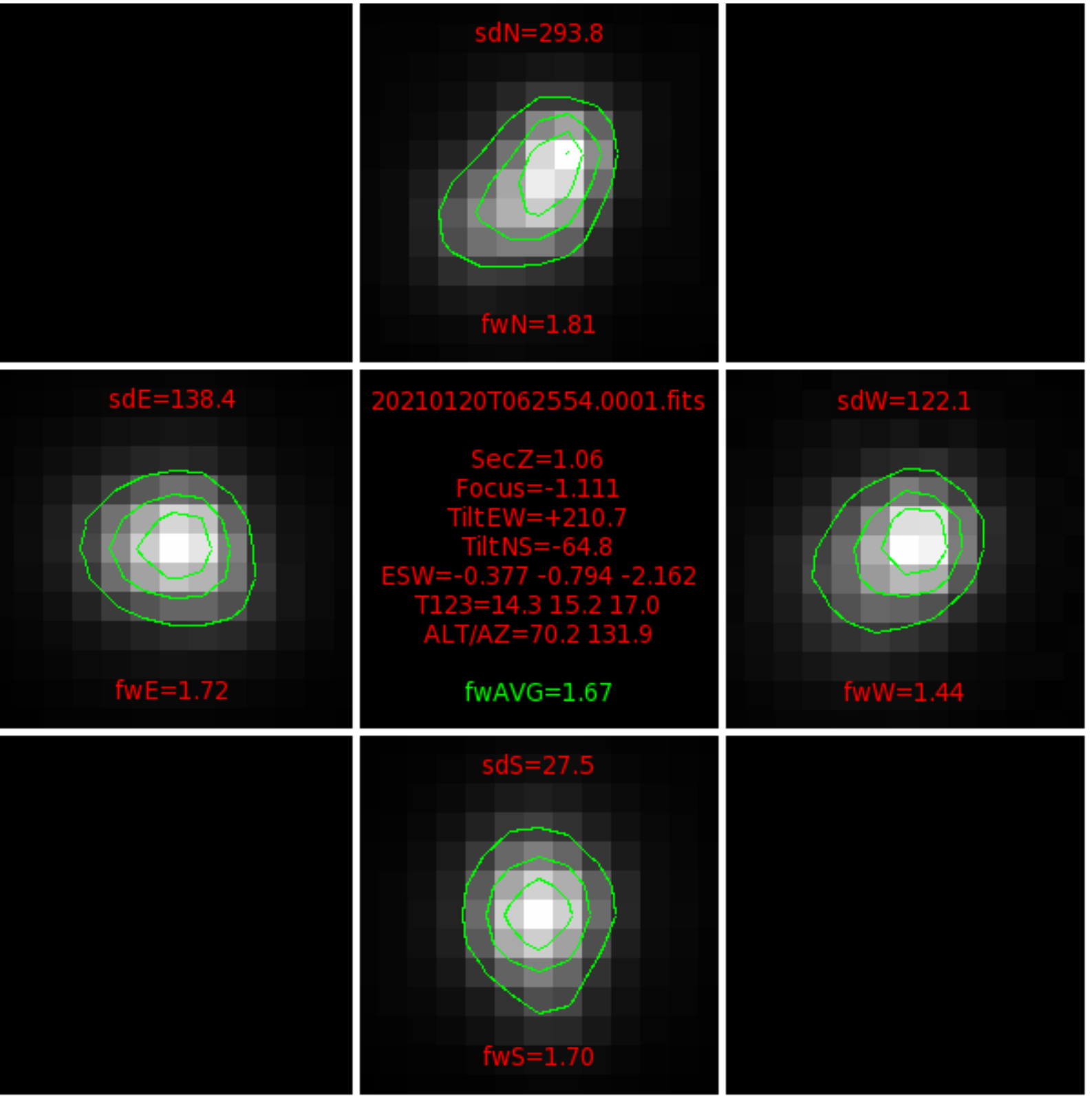
sdN=293.8
fwN=1.81
sdE=138.4
fwE=1.72
20210120T062554.0001.fits
SecZ=1.06
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.0
ALT/AZ=70.2 131.9
fwAVG=1.67
sdW=122.1
fwW=1.44
sdS=27.5
fwS=1.70
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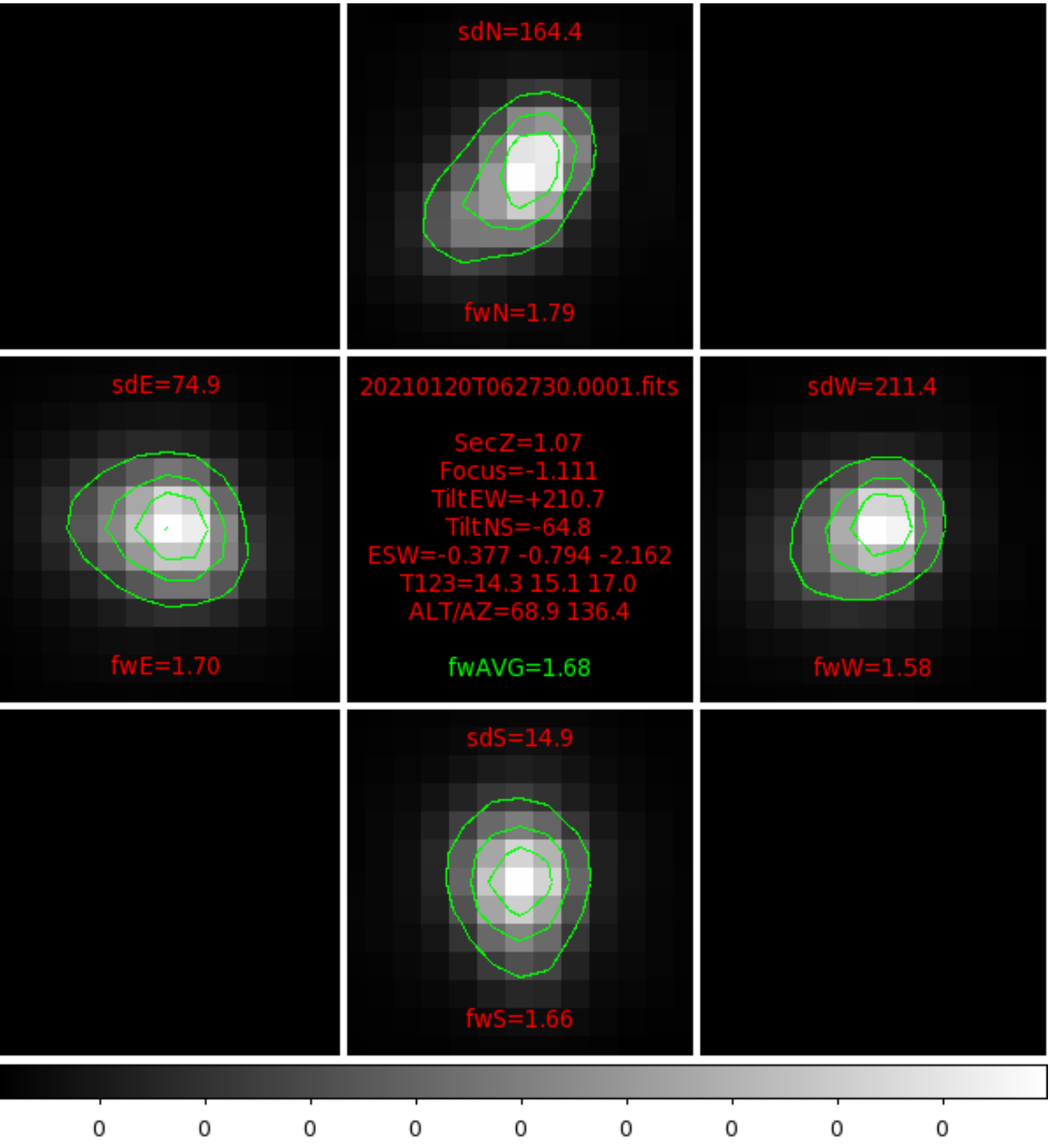
sdN=164.4
fwN=1.79
sdE=74.9
fwE=1.70
20210120T062730.0001.fits
SecZ=1.07
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.1 17.0
ALT/AZ=68.9 136.4
fwAVG=1.68
sdW=211.4
fwW=1.58
sdS=14.9
fwS=1.66
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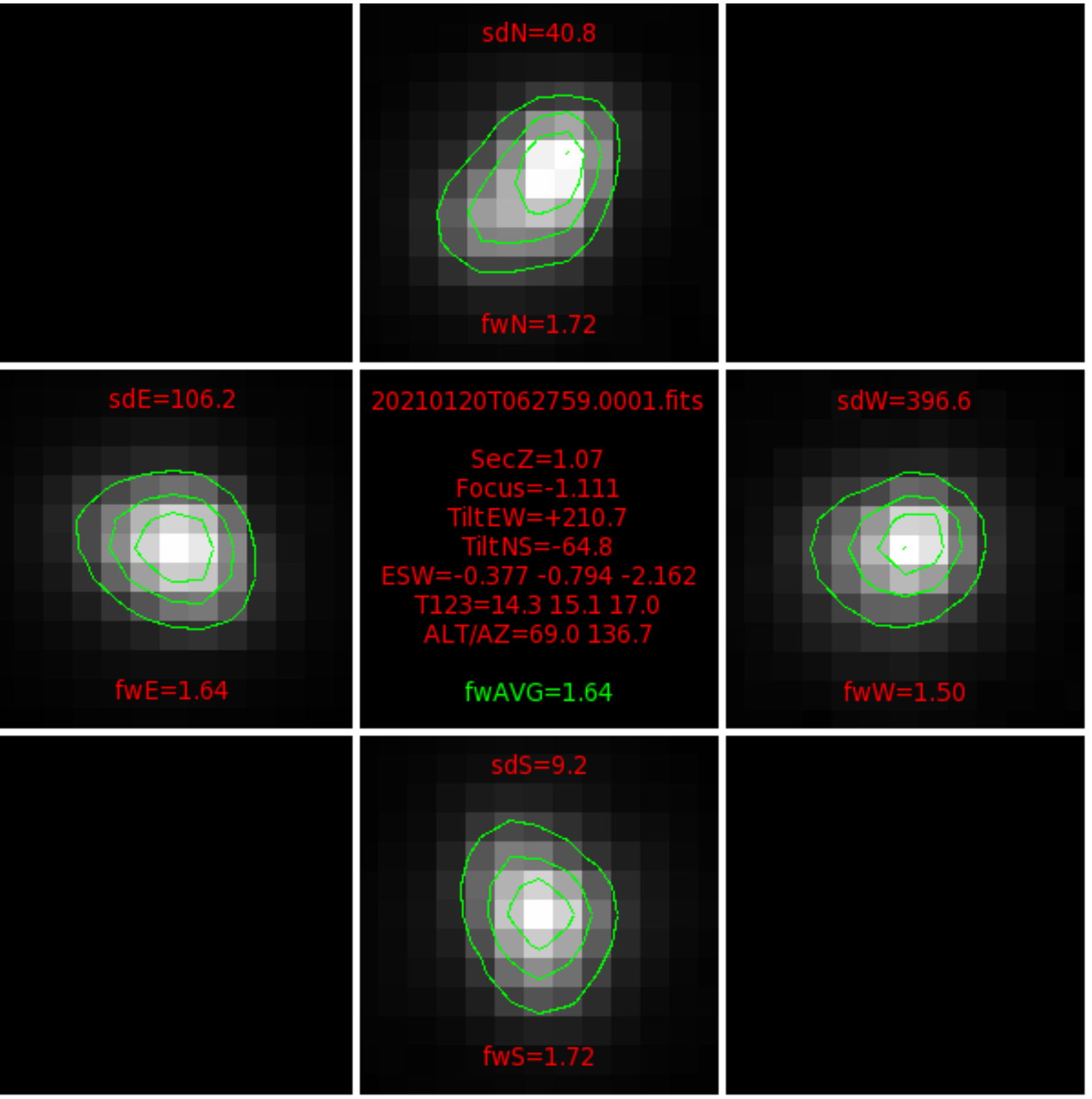
sdN=40.8
fwN=1.72
sdE=106.2
fwE=1.64
20210120T062759.0001.fits
SecZ=1.07
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.1 17.0
ALT/AZ=69.0 136.7
fwAVG=1.64
sdW=396.6
fwW=1.50
sdS=9.2
fwS=1.72
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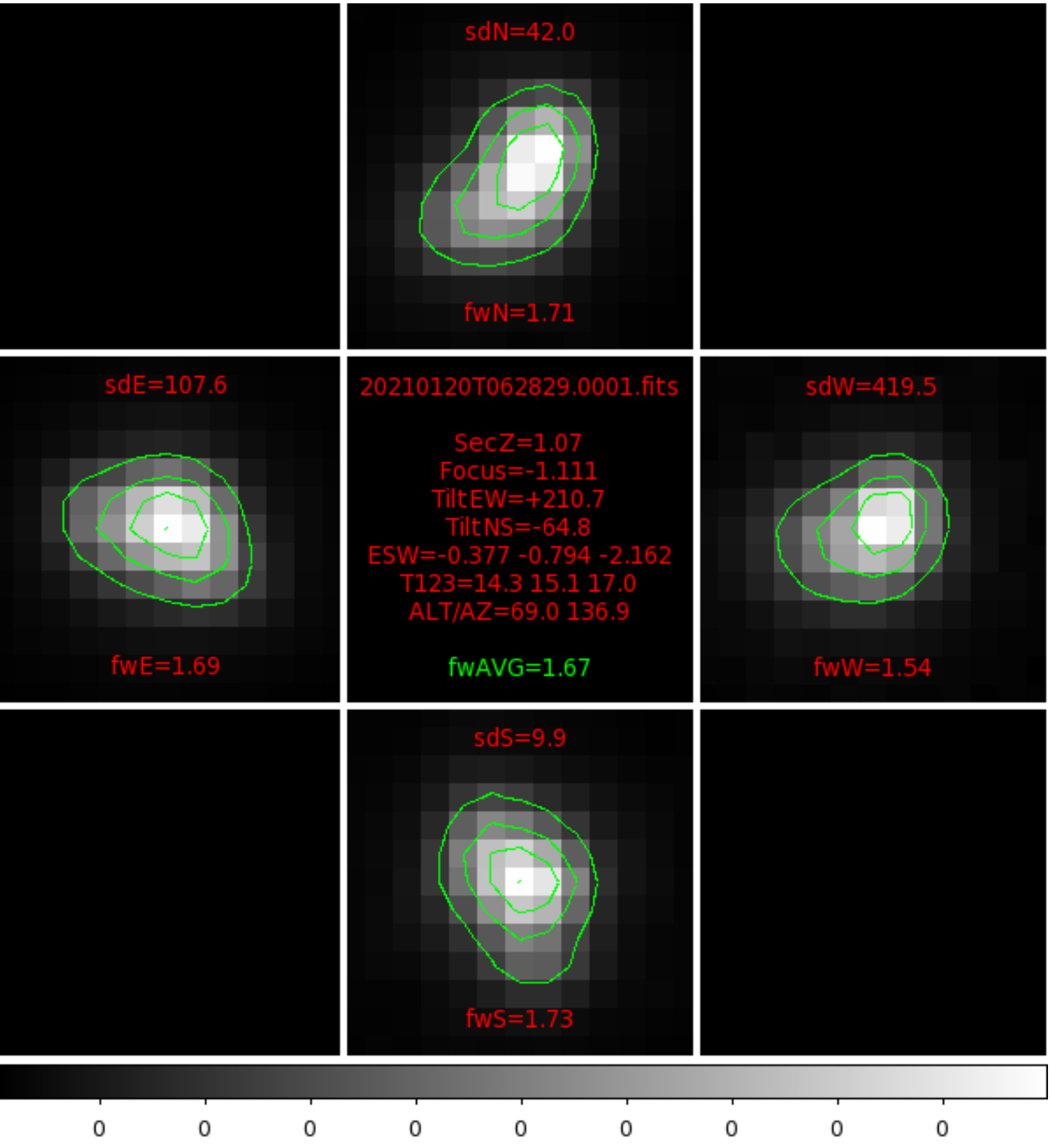
sdN=42.0
fwN=1.71
sdE=107.6
fwE=1.69
20210120T062829.0001.fits
SecZ=1.07
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.1 17.0
ALT/AZ=69.0 136.9
fwAVG=1.67
sdW=419.5
fwW=1.54
sdS=9.9
fwS=1.73
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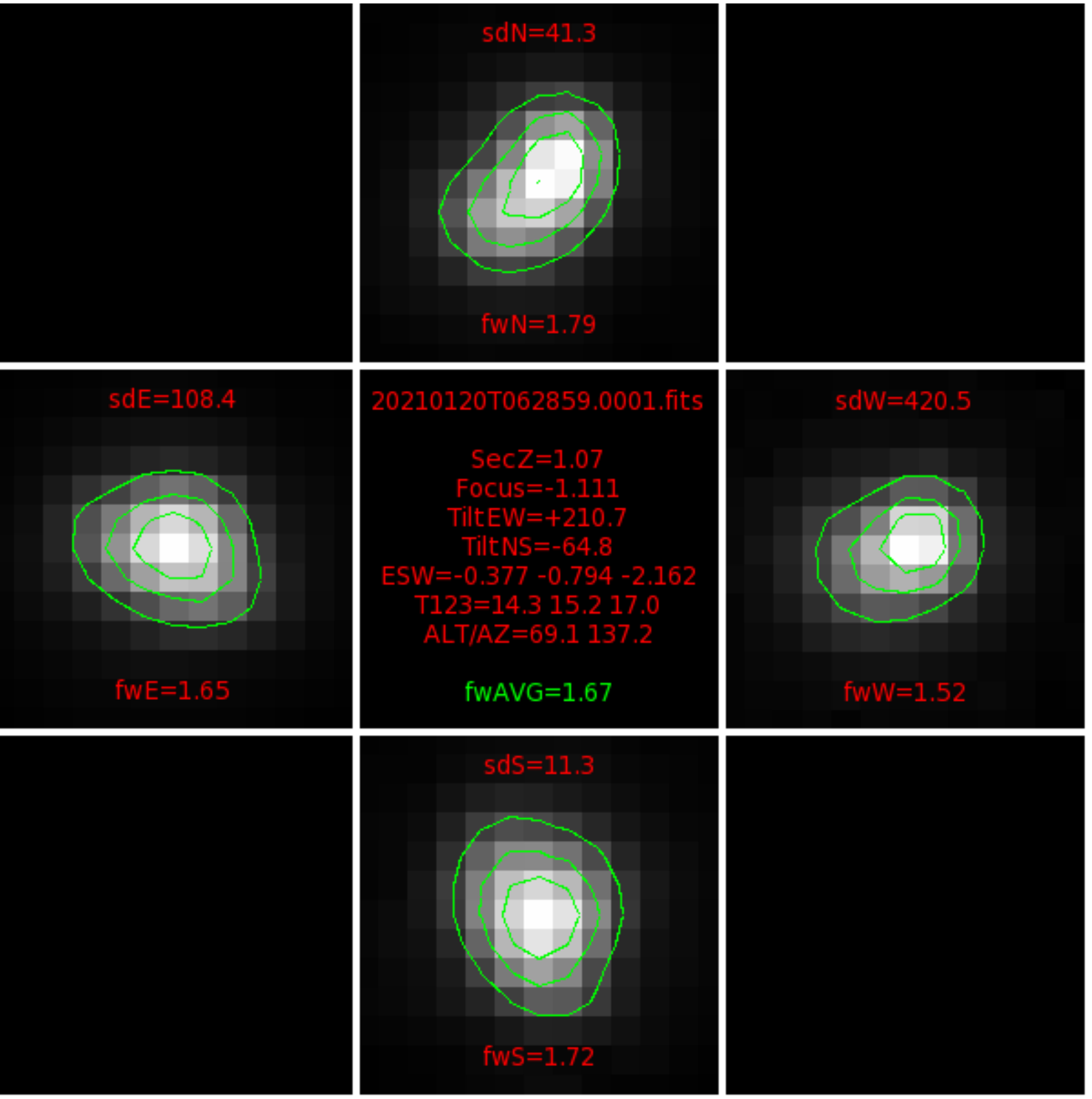
sdN=41.3
fwN=1.79
sdE=108.4
fwE=1.65
20210120T062859.0001.fits
SecZ=1.07
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.2 17.0
ALT/AZ=69.1 137.2
fwAVG=1.67
sdW=420.5
fwW=1.52
sdS=11.3
fwS=1.72
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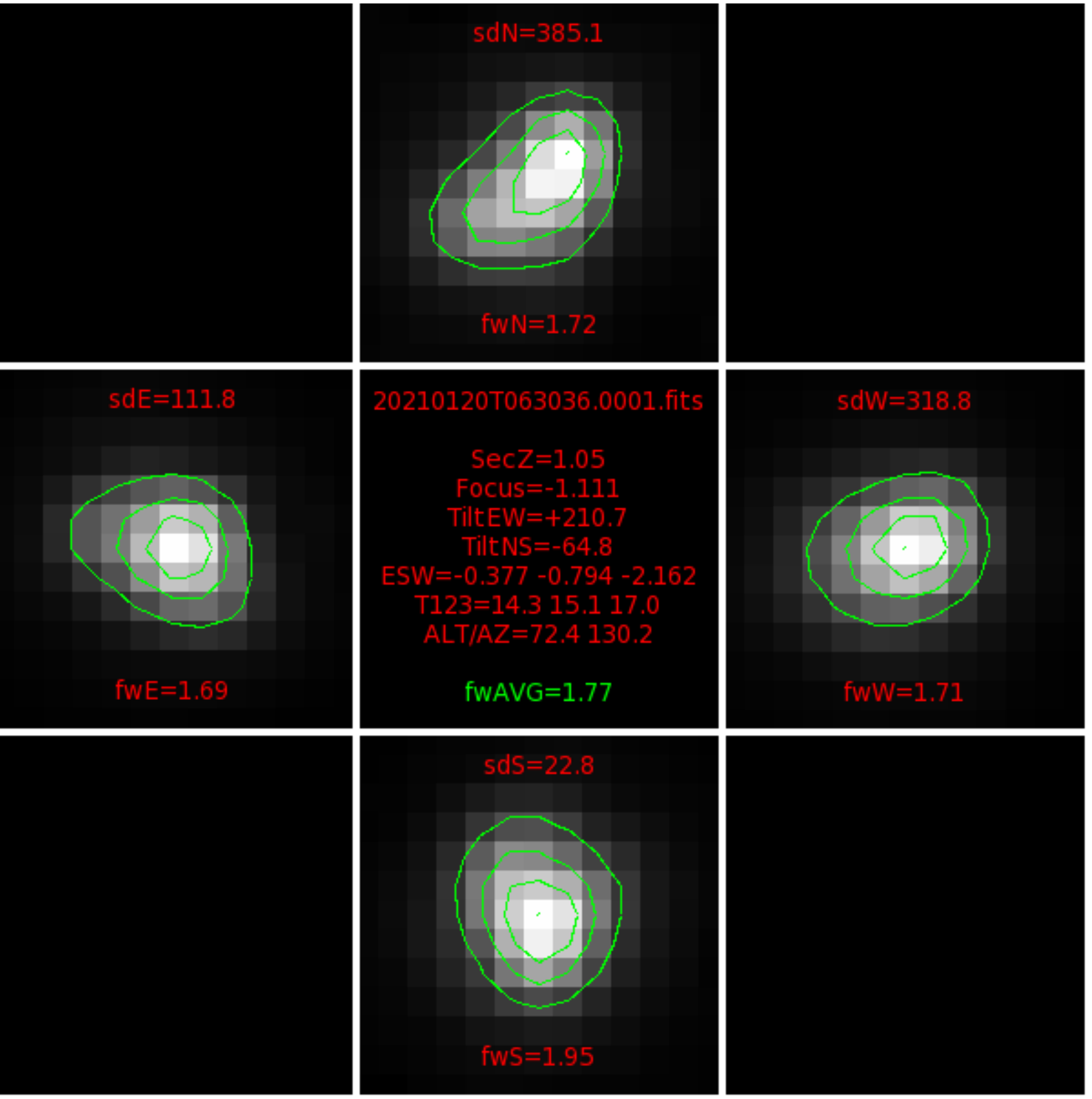
sdN=385.1
fwN=1.72
sdE=111.8
fwE=1.69
20210120T063036.0001.fits
SecZ=1.05
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.1 17.0
ALT/AZ=72.4 130.2
fwAVG=1.77
sdW=318.8
fwW=1.71
sdS=22.8
fwS=1.95
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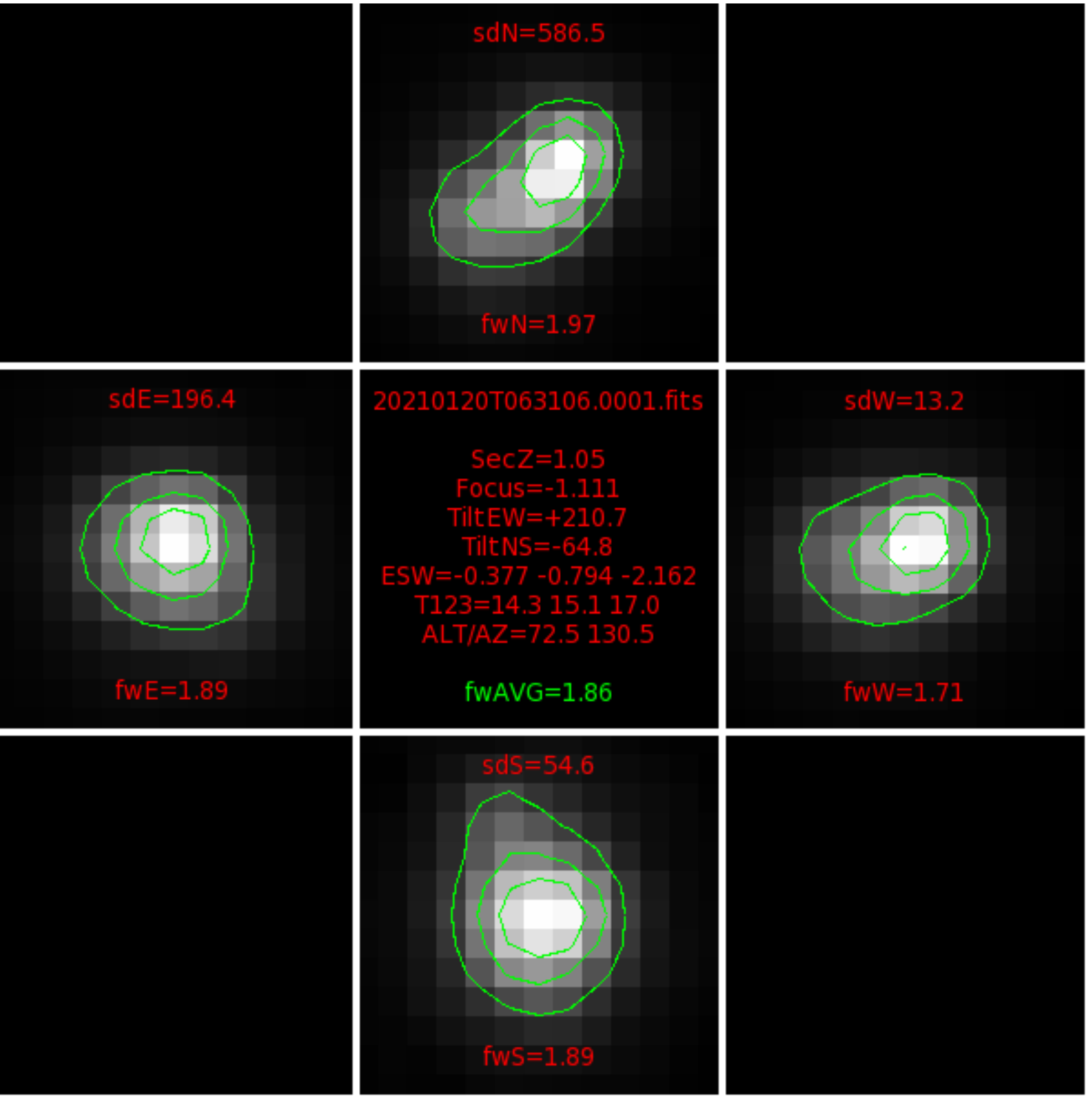
sdN=586.5
fwN=1.97
sdE=196.4
fwE=1.89
20210120T063106.0001.fits
SecZ=1.05
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.1 17.0
ALT/AZ=72.5 130.5
fwAVG=1.86
sdW=13.2
fwW=1.71
sdS=54.6
fwS=1.89
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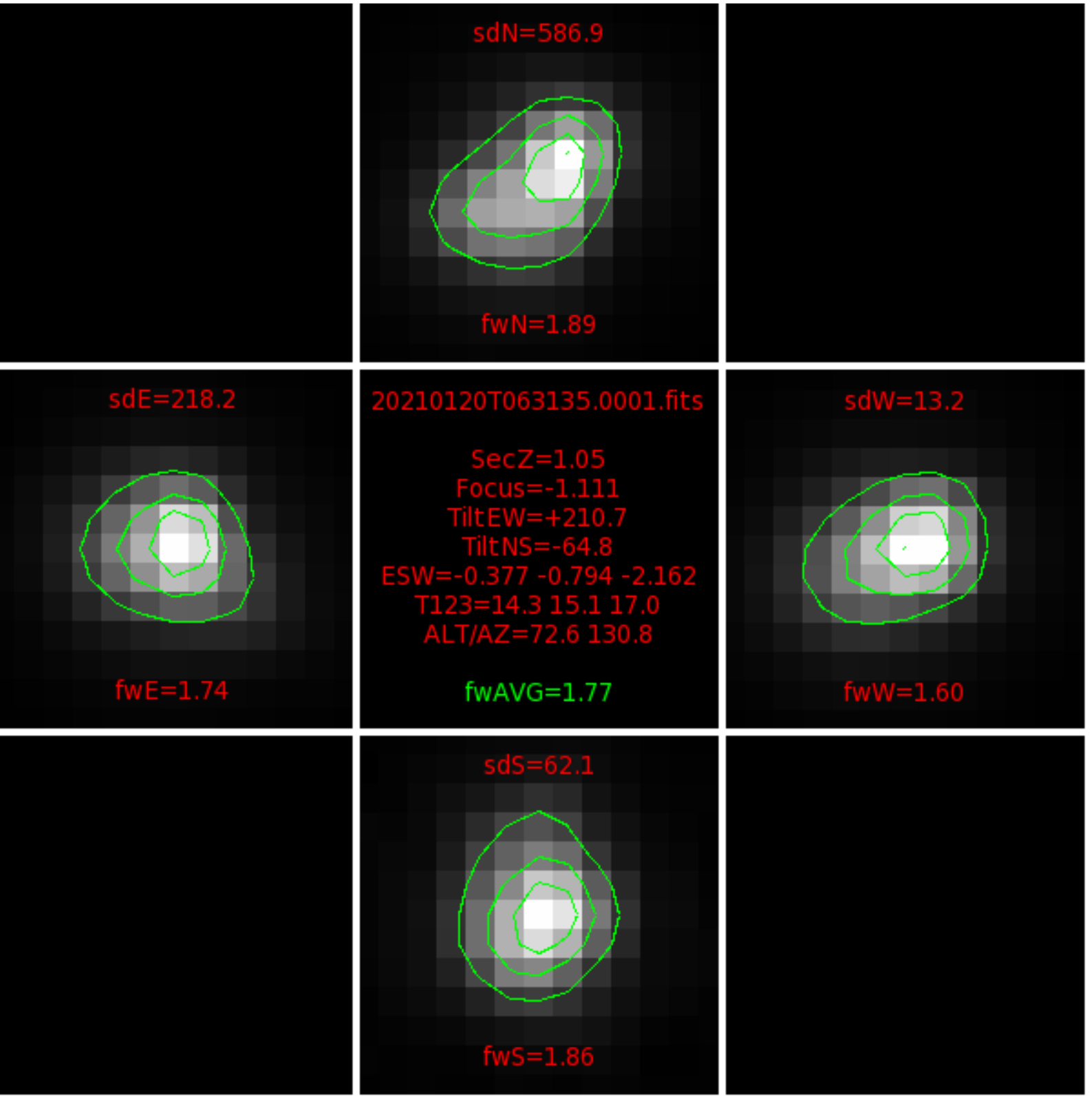
sdN=586.9
fwN=1.89
sdE=218.2
fwE=1.74
20210120T063135.0001.fits
SecZ=1.05
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.1 17.0
ALT/AZ=72.6 130.8
fwAVG=1.77
sdW=13.2
fwW=1.60
sdS=62.1
fwS=1.86
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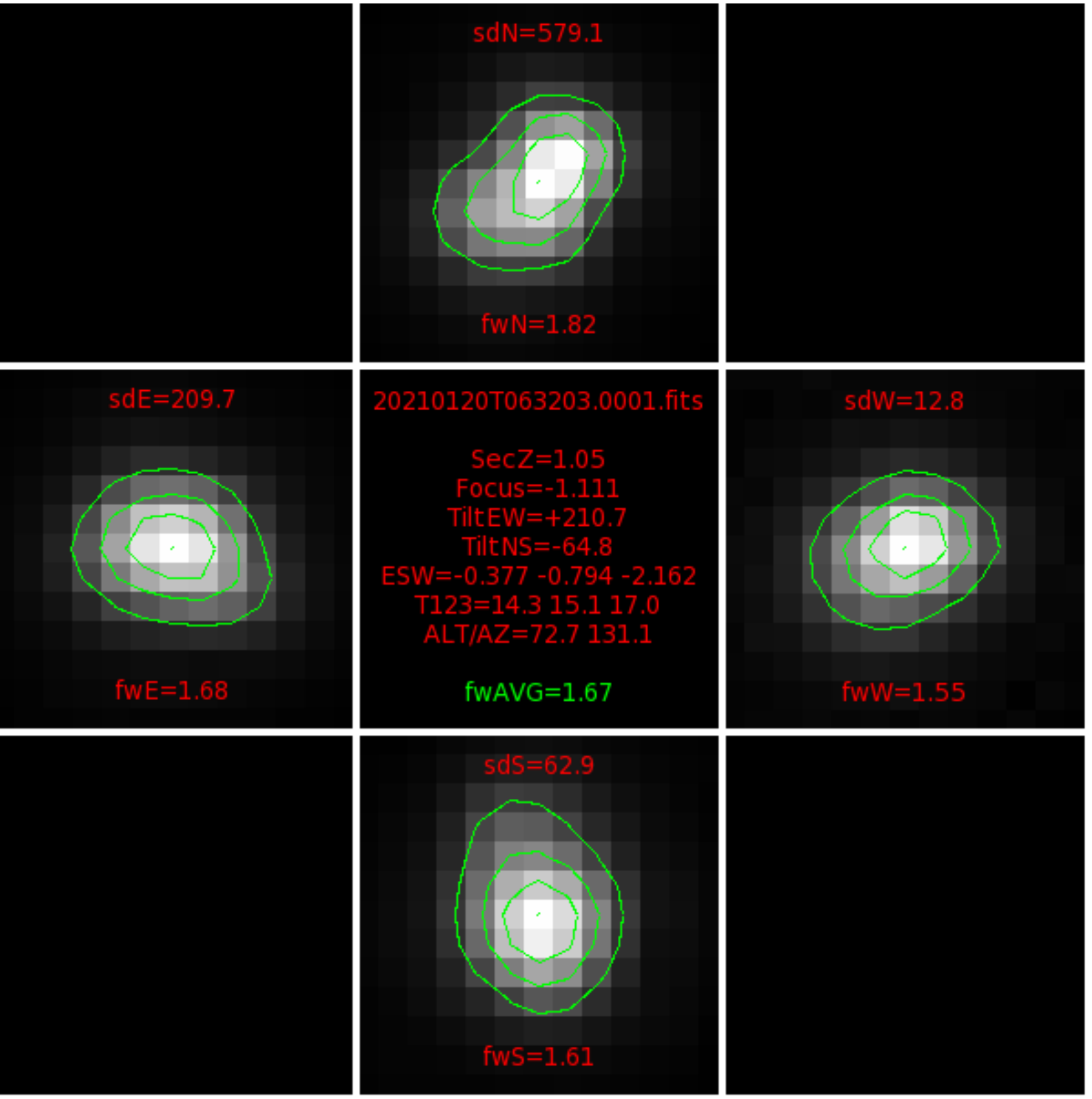
sdN=579.1
fwN=1.82
sdE=209.7
fwE=1.68
20210120T063203.0001.fits
SecZ=1.05
Focus=-1.111
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.377 -0.794 -2.162
T123=14.3 15.1 17.0
ALT/AZ=72.7 131.1
fwAVG=1.67
sdW=12.8
fwW=1.55
sdS=62.9
fwS=1.61
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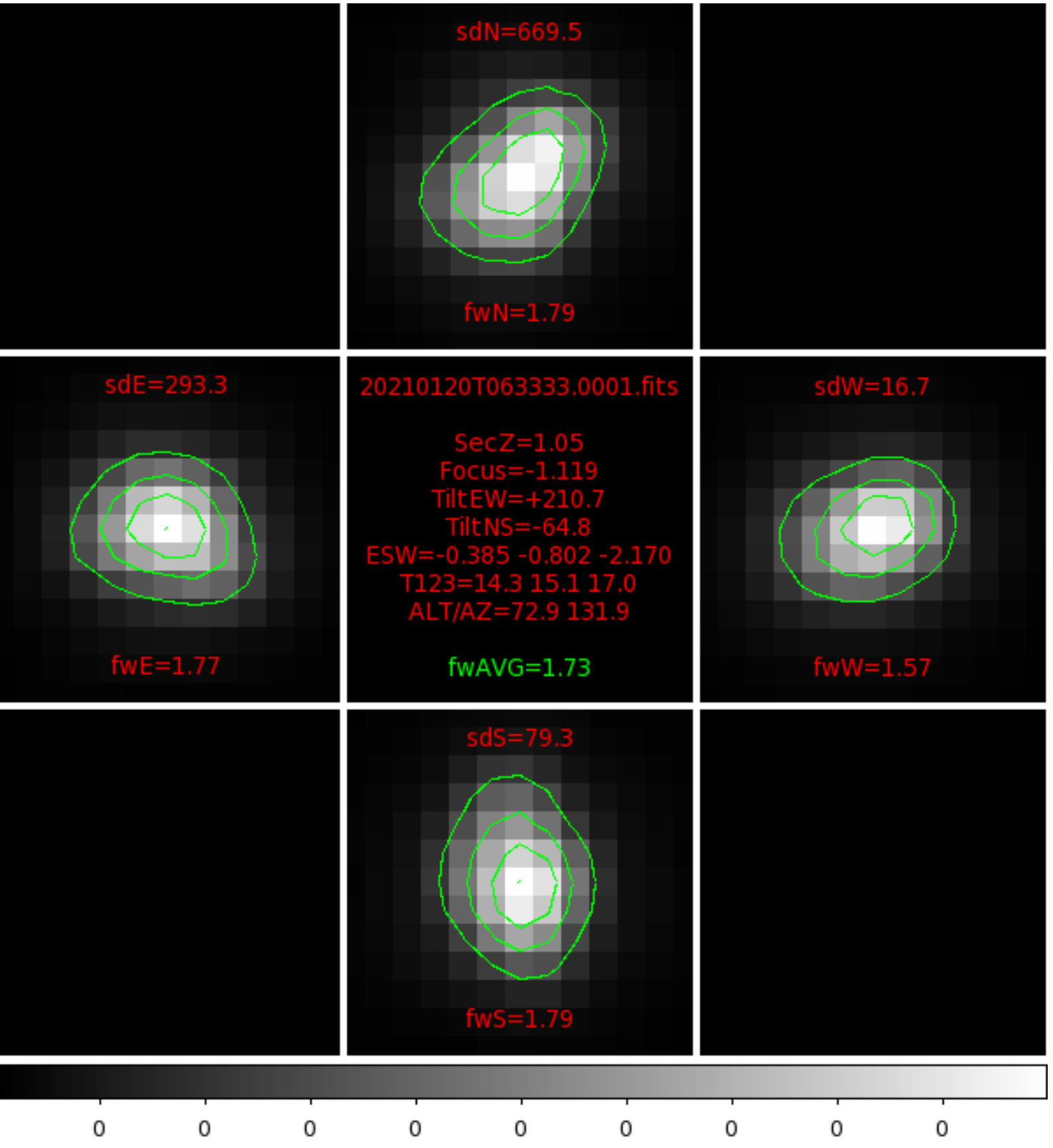
sdN=669.5
fwN=1.79
sdE=293.3
fwE=1.77
20210120T063333.0001.fits
SecZ=1.05
Focus=-1.119
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.385 -0.802 -2.170
T123=14.3 15.1 17.0
ALT/AZ=72.9 131.9
fwAVG=1.73
sdW=16.7
fwW=1.57
sdS=79.3
fwS=1.79
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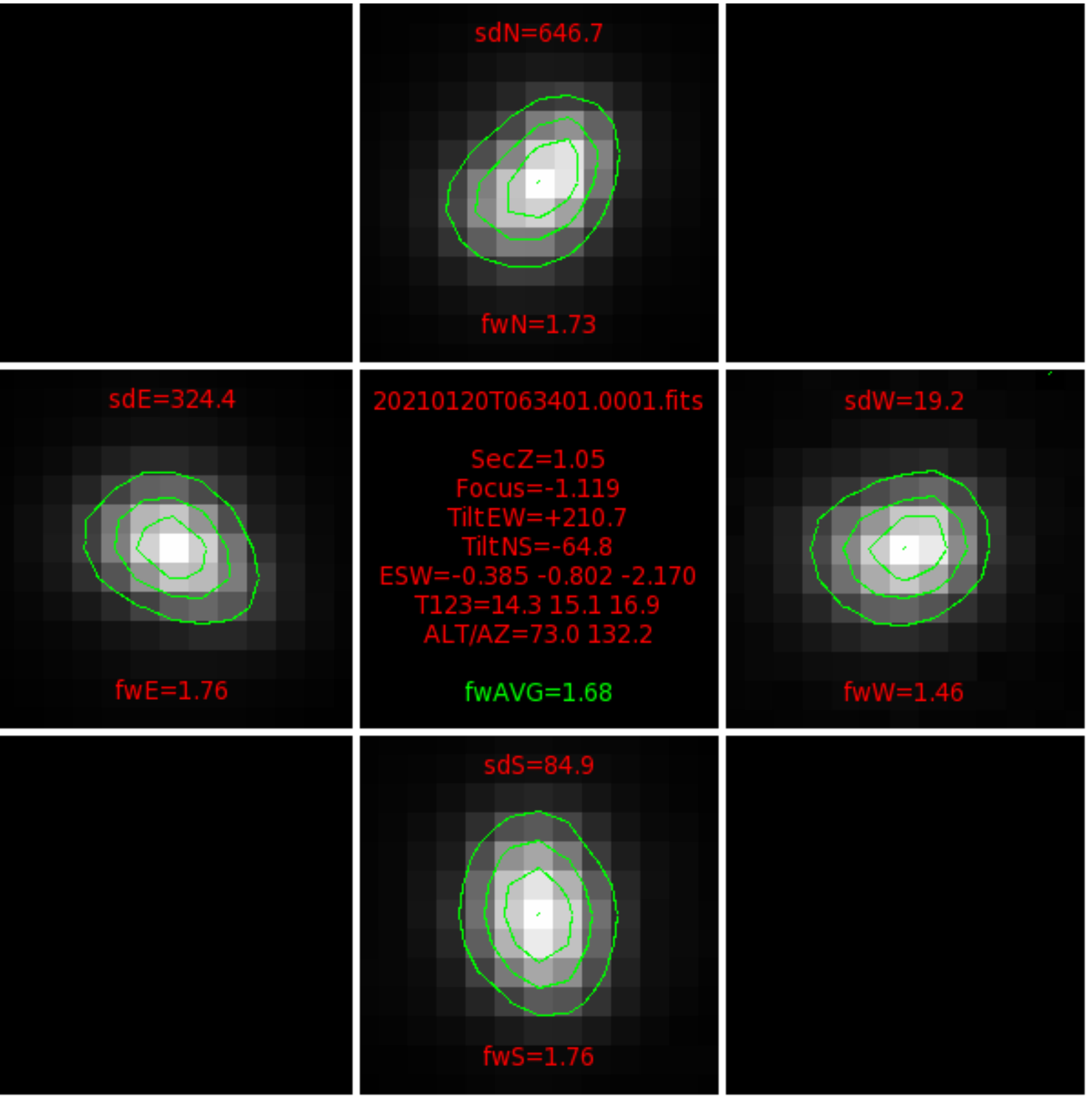
sdN=646.7
fwN=1.73
sdE=324.4
fwE=1.76
20210120T063401.0001.fits
SecZ=1.05
Focus=-1.119
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.385 -0.802 -2.170
T123=14.3 15.1 16.9
ALT/AZ=73.0 132.2
fwAVG=1.68
sdW=19.2
fwW=1.46
sdS=84.9
fwS=1.76
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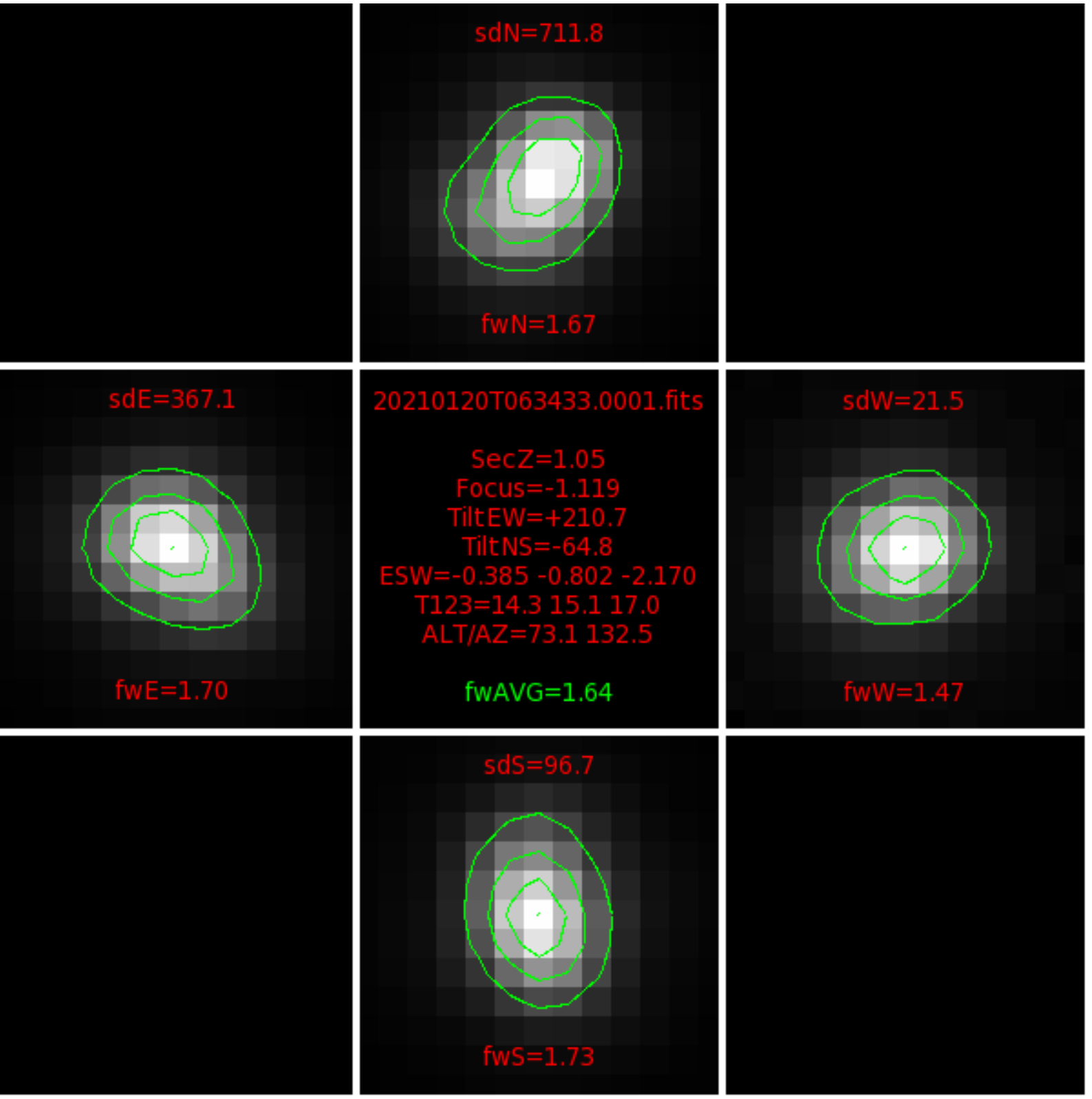
sdN=711.8
fwN=1.67
sdE=367.1
fwE=1.70
20210120T063433.0001.fits
SecZ=1.05
Focus=-1.119
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.385 -0.802 -2.170
T123=14.3 15.1 17.0
ALT/AZ=73.1 132.5
fwAVG=1.64
sdW=21.5
fwW=1.47
sdS=96.7
fwS=1.73
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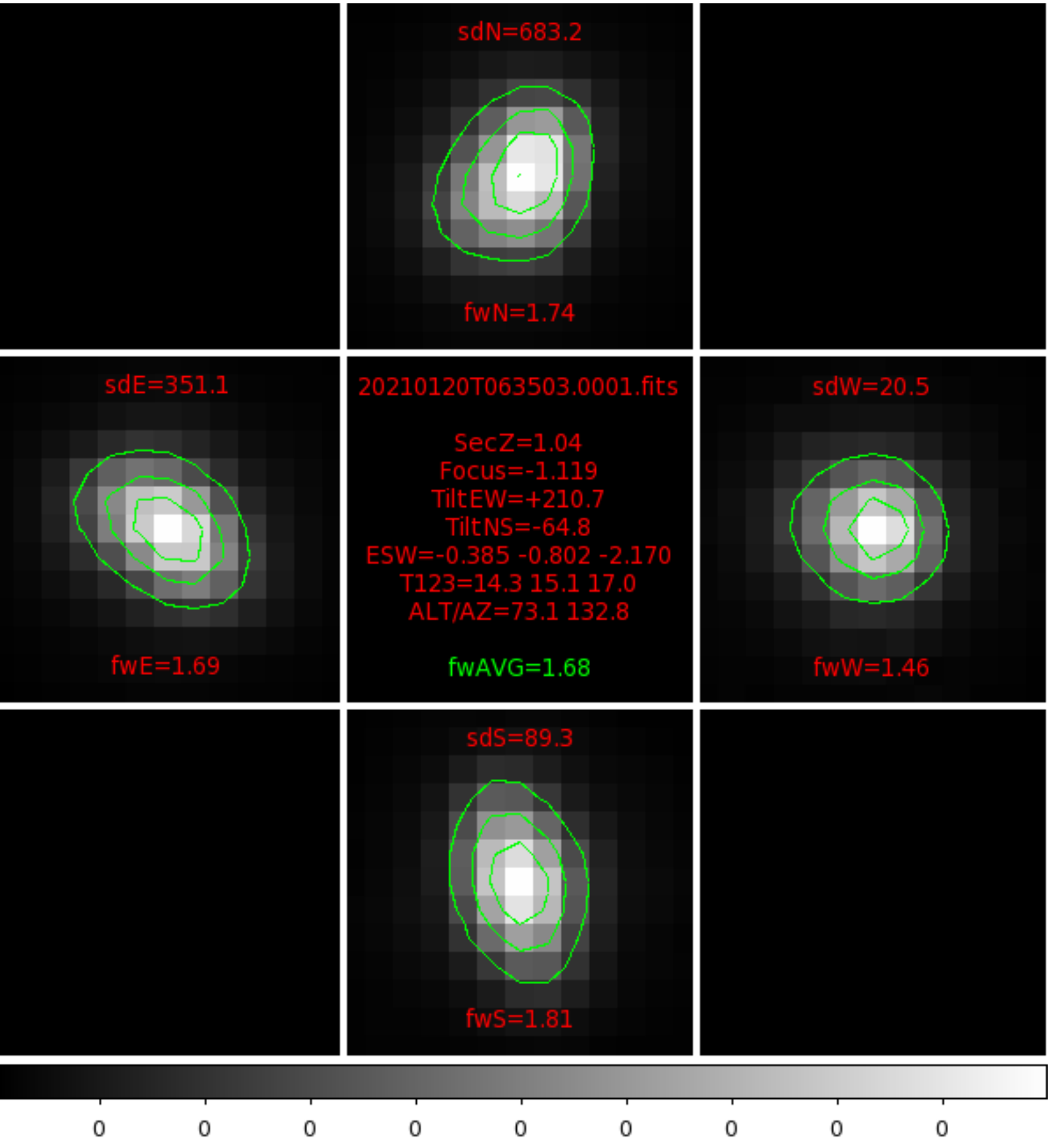
sdN=683.2
fwN=1.74
sdE=351.1
fwE=1.69
20210120T063503.0001.fits
SecZ=1.04
Focus=-1.119
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.385 -0.802 -2.170
T123=14.3 15.1 17.0
ALT/AZ=73.1 132.8
fwAVG=1.68
sdW=20.5
fwW=1.46
sdS=89.3
fwS=1.81
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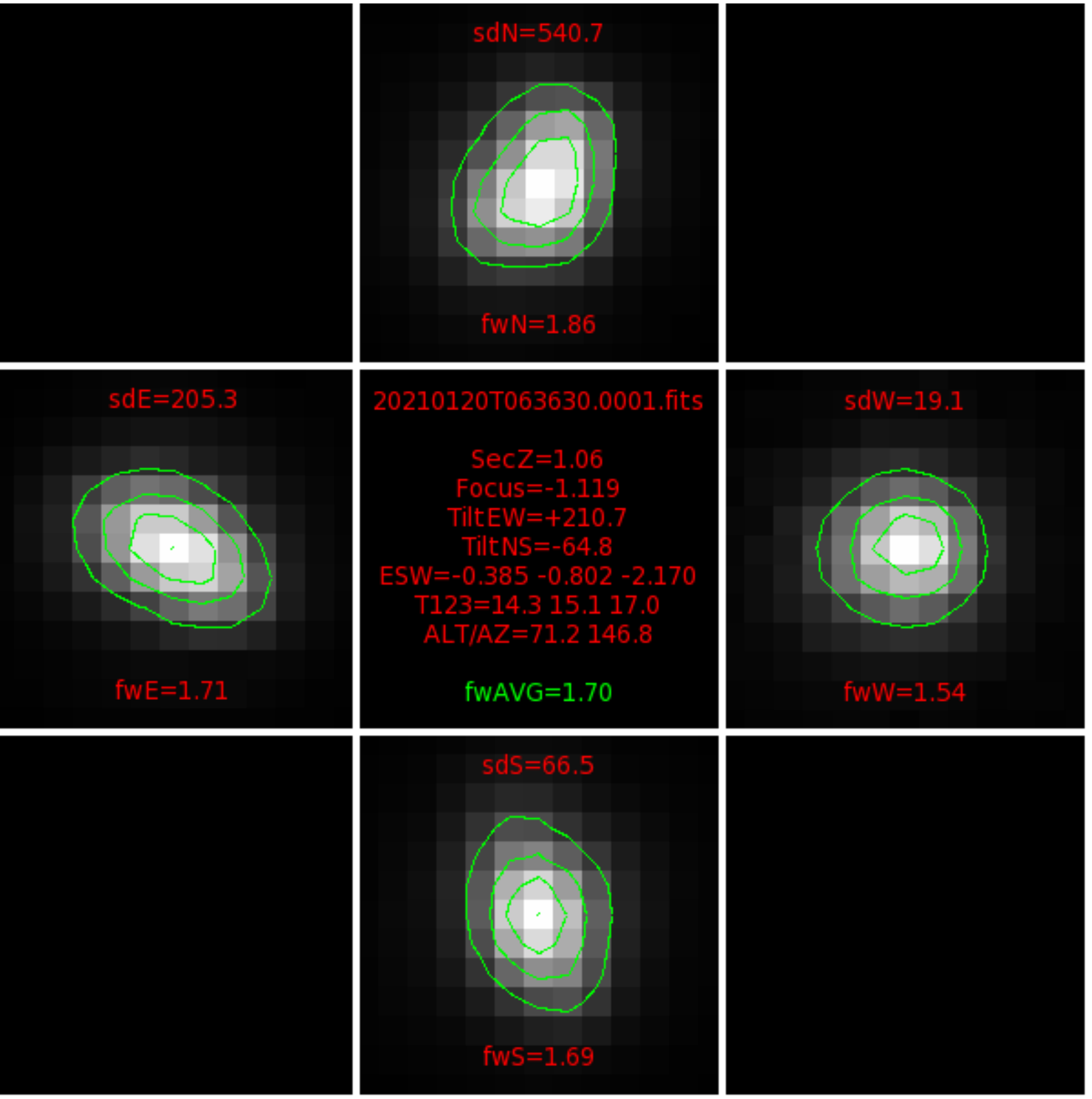
sdN=540.7
fwN=1.86
sdE=205.3
fwE=1.71
20210120T063630.0001.fits
SecZ=1.06
Focus=-1.119
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.385 -0.802 -2.170
T123=14.3 15.1 17.0
ALT/AZ=71.2 146.8
fwAVG=1.70
sdW=19.1
fwW=1.54
sdS=66.5
fwS=1.69
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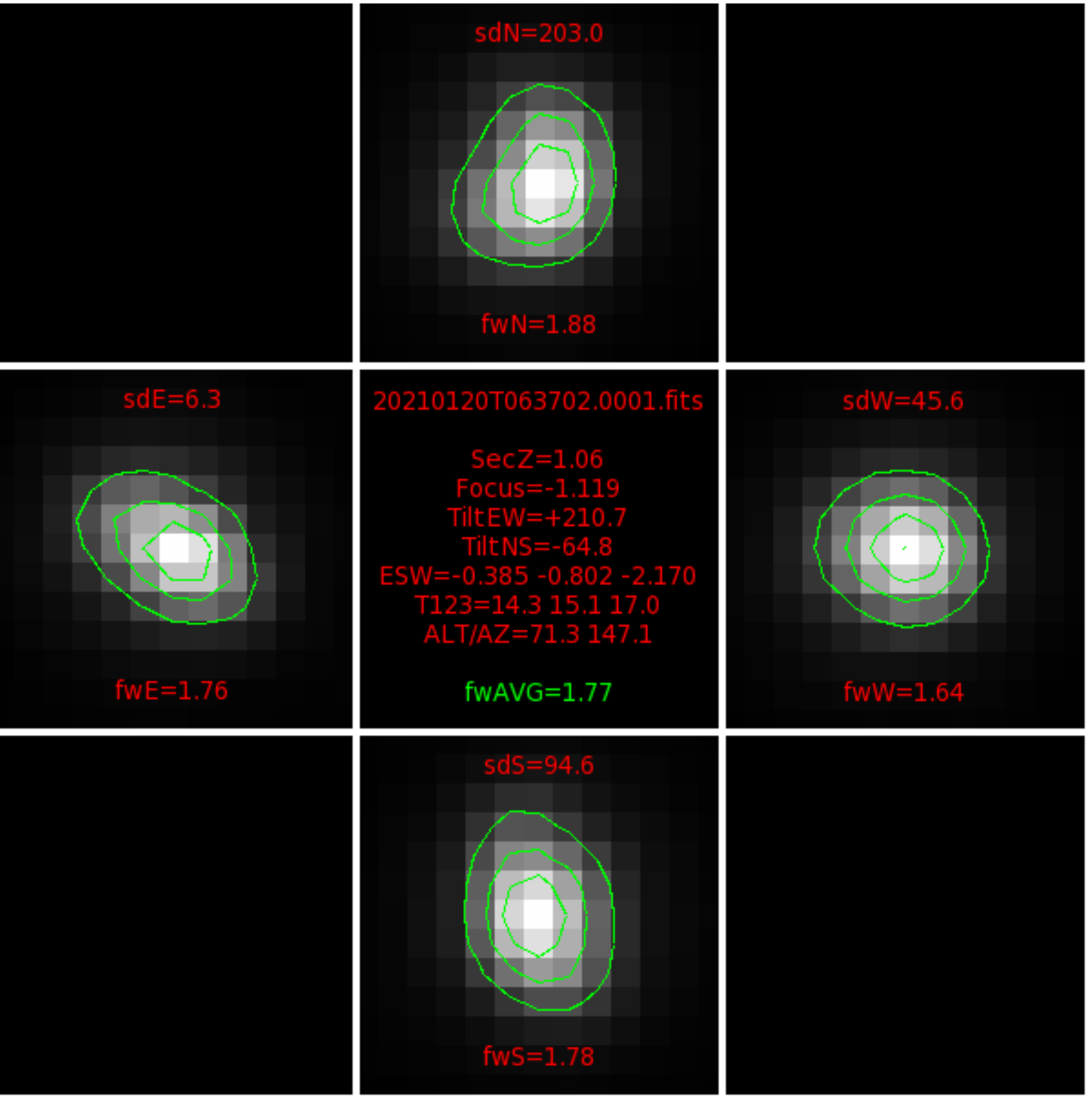
sdN=203.0
fwN=1.88
sdE=6.3
fwE=1.76
20210120T063702.0001.fits
SecZ=1.06
Focus=-1.119
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.385 -0.802 -2.170
T123=14.3 15.1 17.0
ALT/AZ=71.3 147.1
fwAVG=1.77
sdW=45.6
fwW=1.64
sdS=94.6
fwS=1.78
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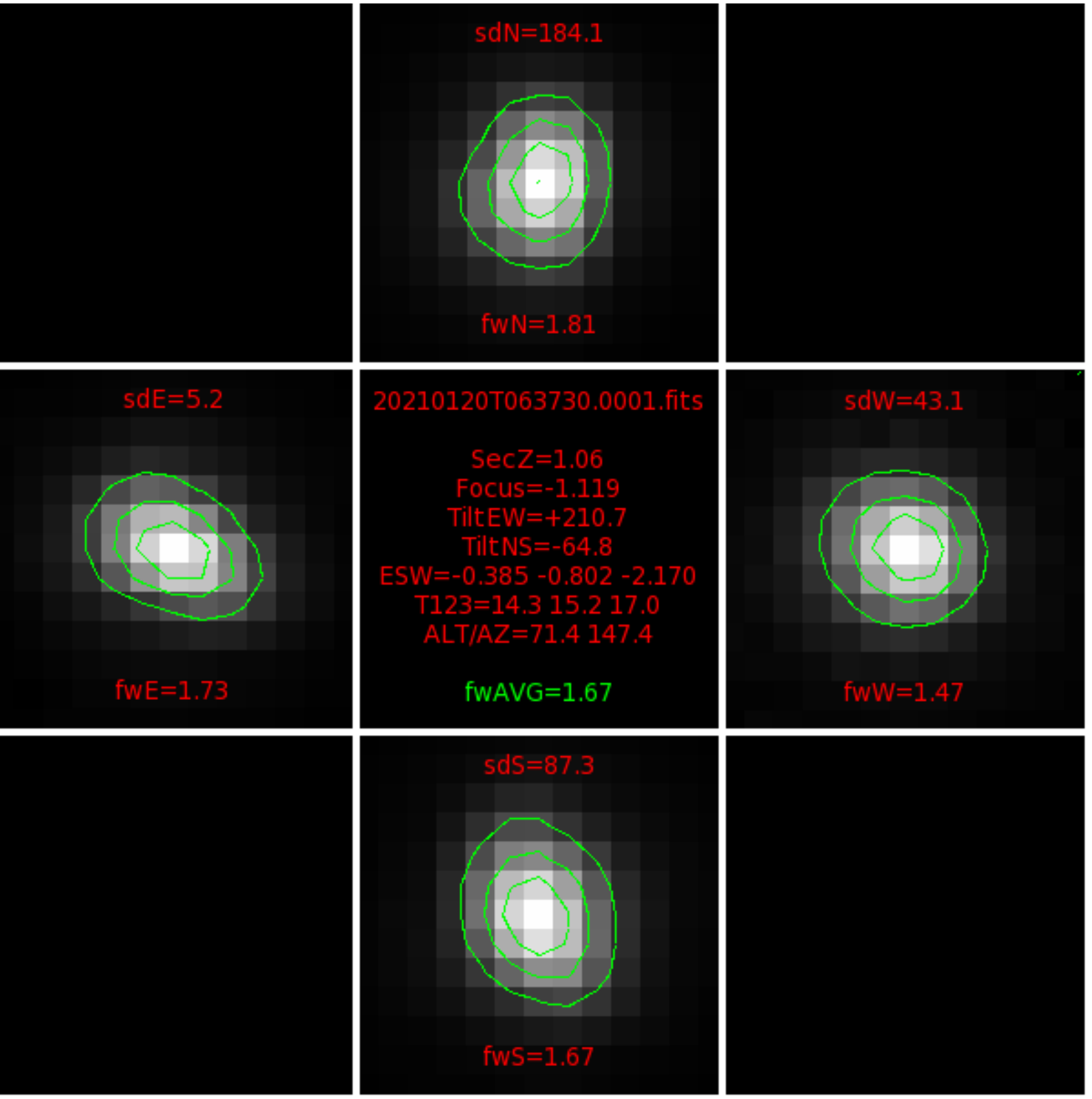
sdN=184.1
fwN=1.81
sdE=5.2
fwE=1.73
20210120T063730.0001.fits
SecZ=1.06
Focus=-1.119
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.385 -0.802 -2.170
T123=14.3 15.2 17.0
ALT/AZ=71.4 147.4
fwAVG=1.67
sdW=43.1
fwW=1.47
sdS=87.3
fwS=1.67
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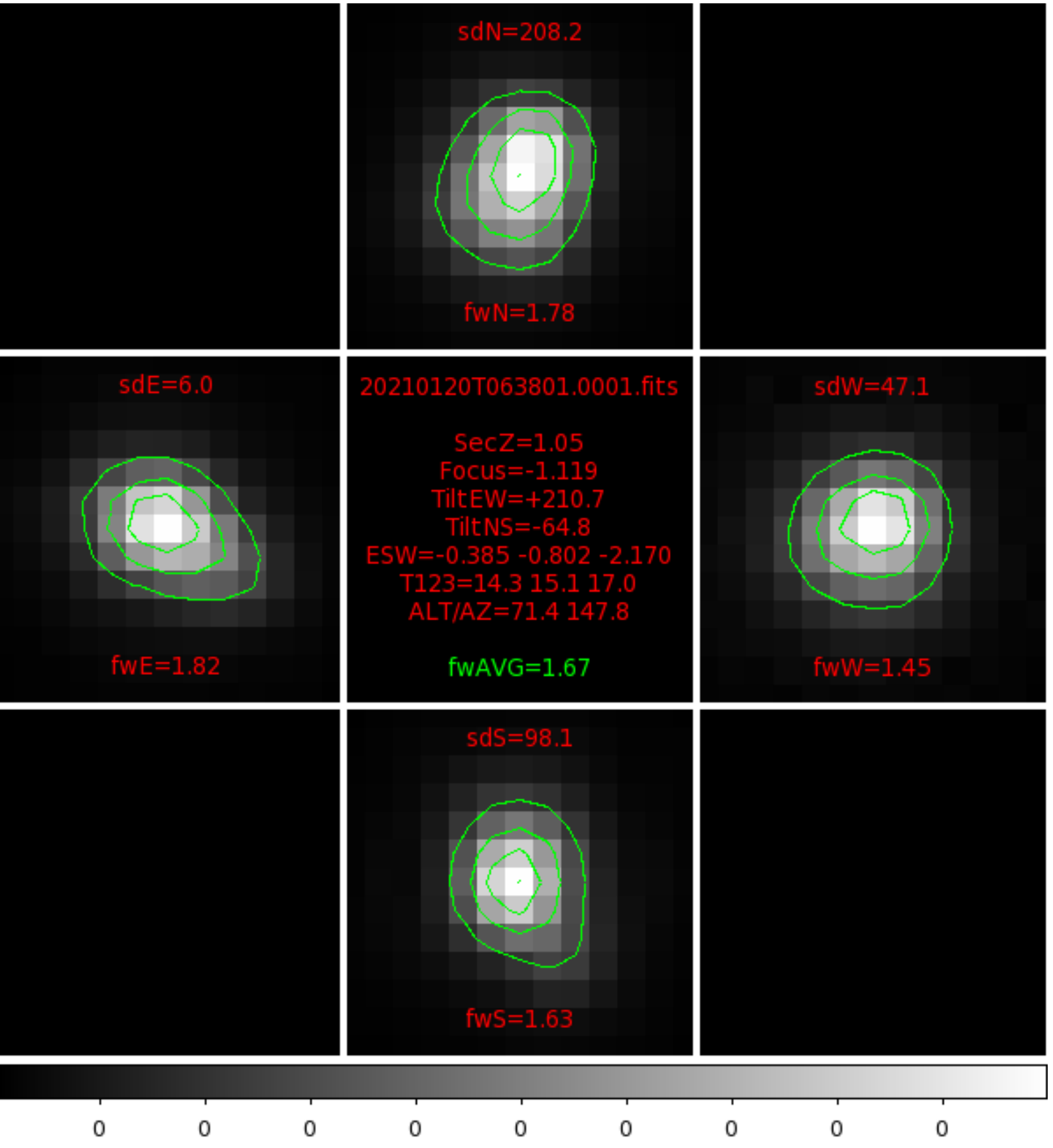
sdN=208.2
fwN=1.78
sdE=6.0
fwE=1.82
20210120T063801.0001.fits
SecZ=1.05
Focus=-1.119
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.385 -0.802 -2.170
T123=14.3 15.1 17.0
ALT/AZ=71.4 147.8
fwAVG=1.67
sdW=47.1
fwW=1.45
sdS=98.1
fwS=1.63
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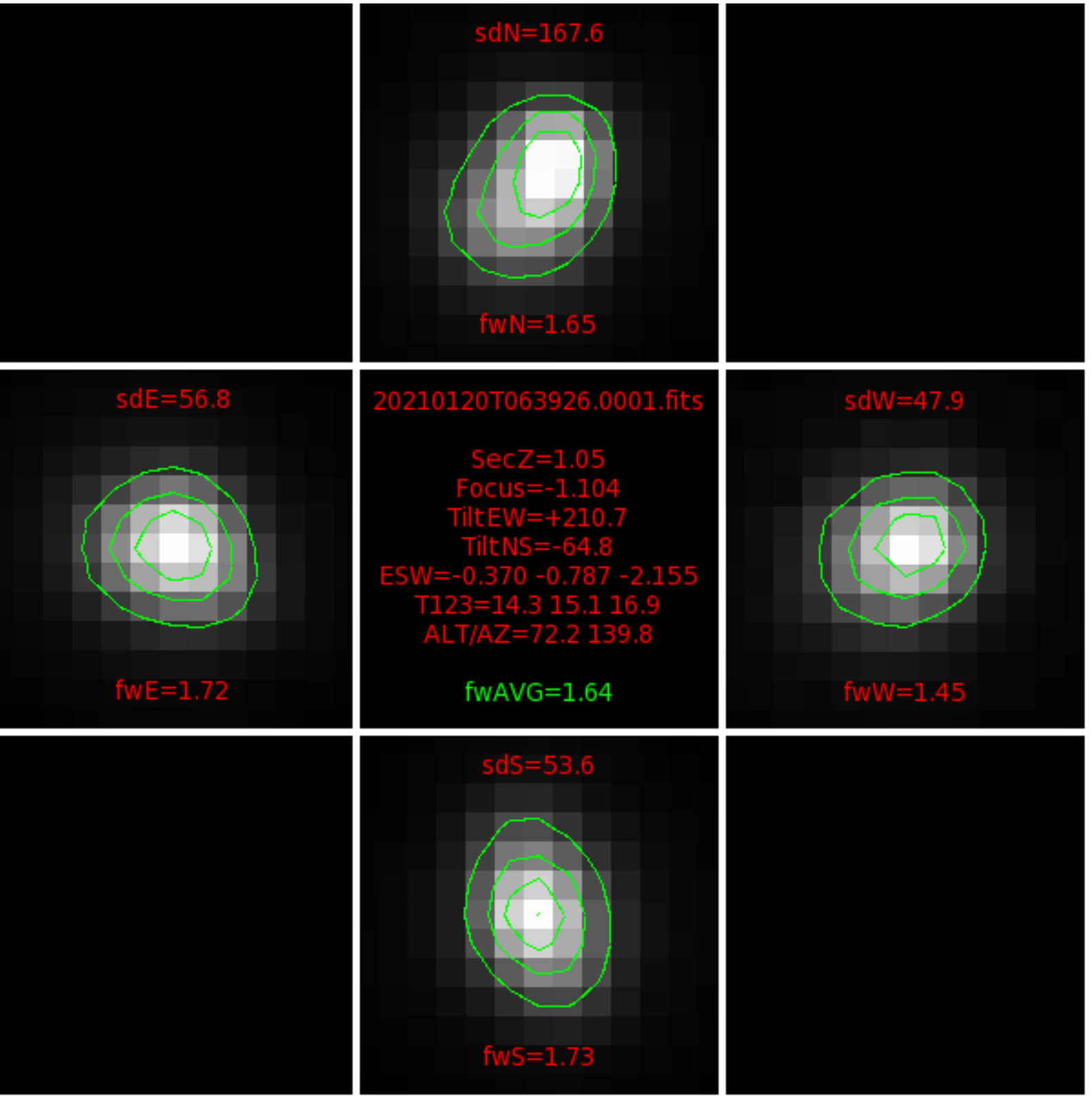
sdN=167.6
fwN=1.65
sdE=56.8
fwE=1.72
20210120T063926.0001.fits
SecZ=1.05
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 16.9
ALT/AZ=72.2 139.8
fwAVG=1.64
sdW=47.9
fwW=1.45
sdS=53.6
fwS=1.73
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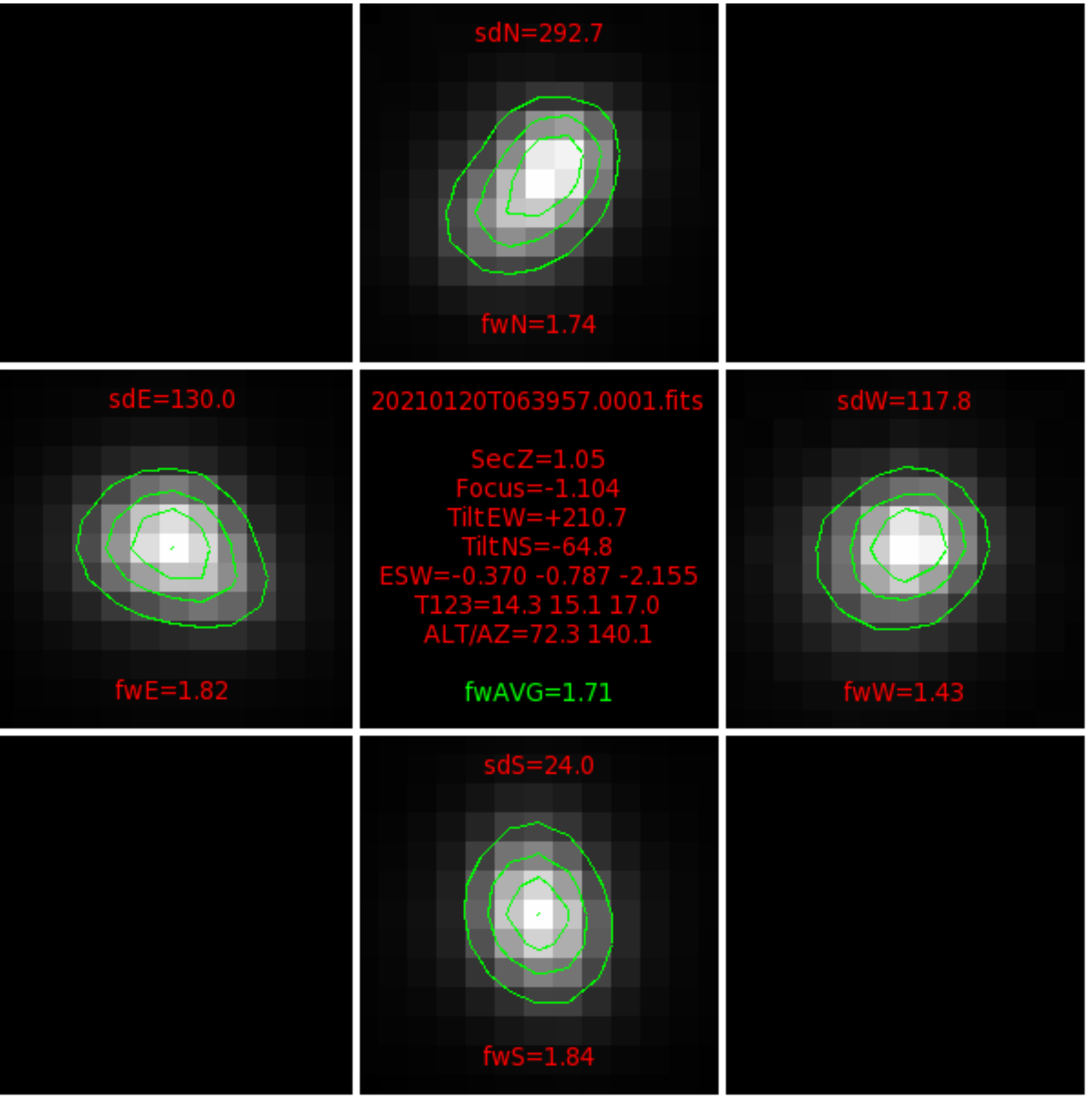
sdN=292.7
fwN=1.74
sdE=130.0
fwE=1.82
20210120T063957.0001.fits
SecZ=1.05
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 17.0
ALT/AZ=72.3 140.1
fwAVG=1.71
sdW=117.8
fwW=1.43
sdS=24.0
fwS=1.84
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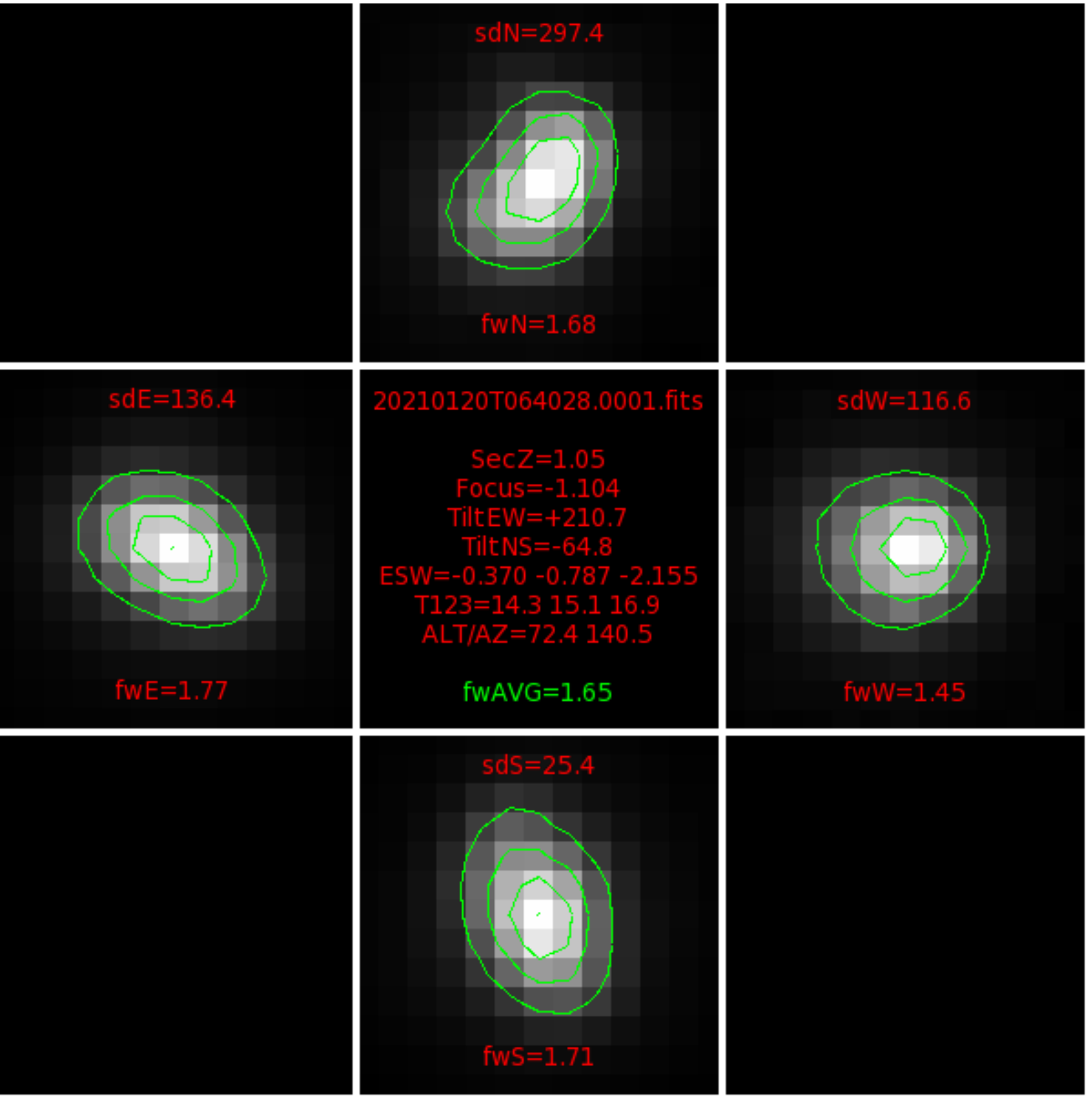
sdN=297.4
fwN=1.68
sdE=136.4
fwE=1.77
20210120T064028.0001.fits
SecZ=1.05
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 16.9
ALT/AZ=72.4 140.5
fwAVG=1.65
sdW=116.6
fwW=1.45
sdS=25.4
fwS=1.71
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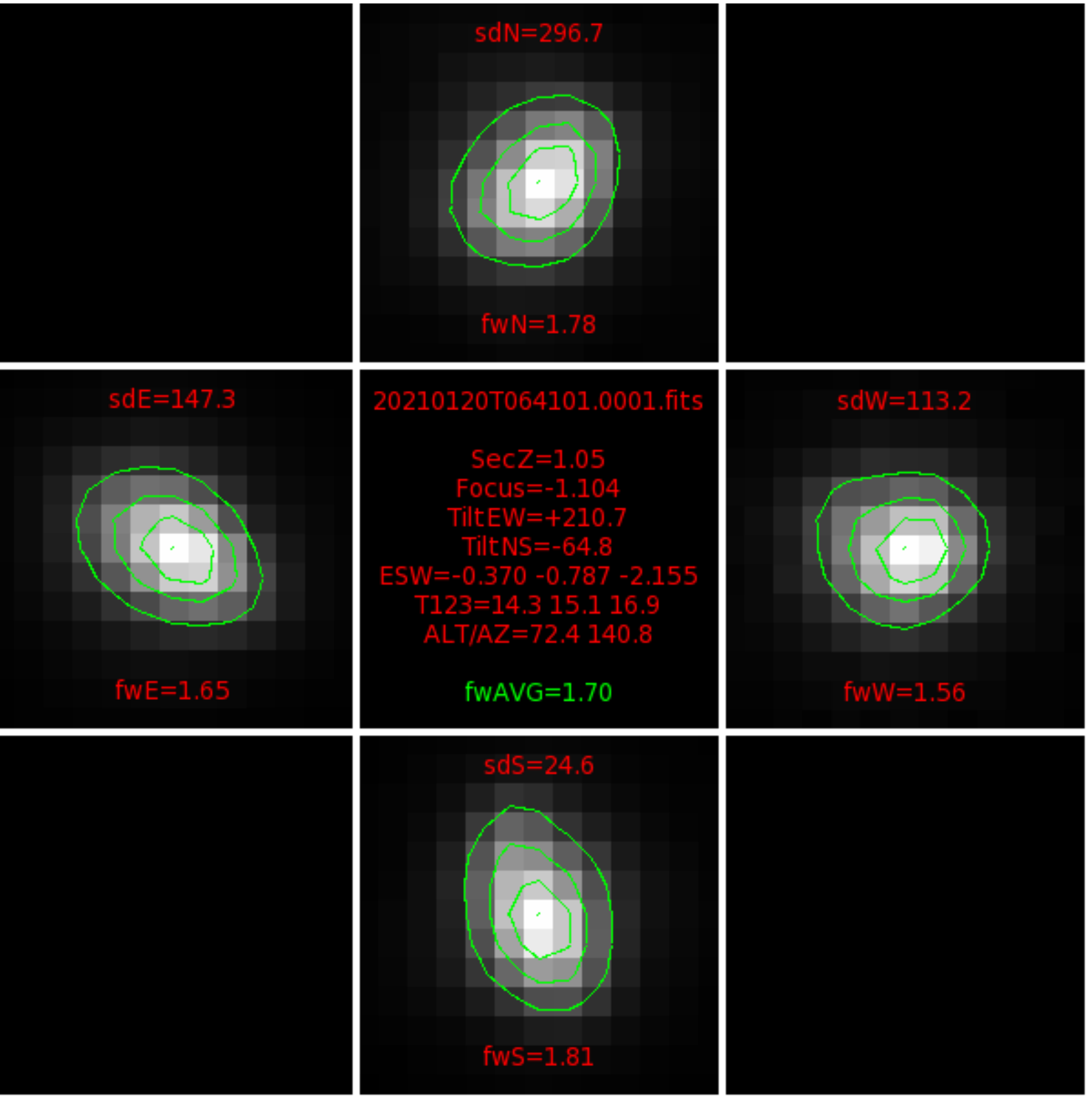
sdN=296.7
fwN=1.78
sdE=147.3
fwE=1.65
20210120T064101.0001.fits
SecZ=1.05
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 16.9
ALT/AZ=72.4 140.8
fwAVG=1.70
sdW=113.2
fwW=1.56
sdS=24.6
fwS=1.81
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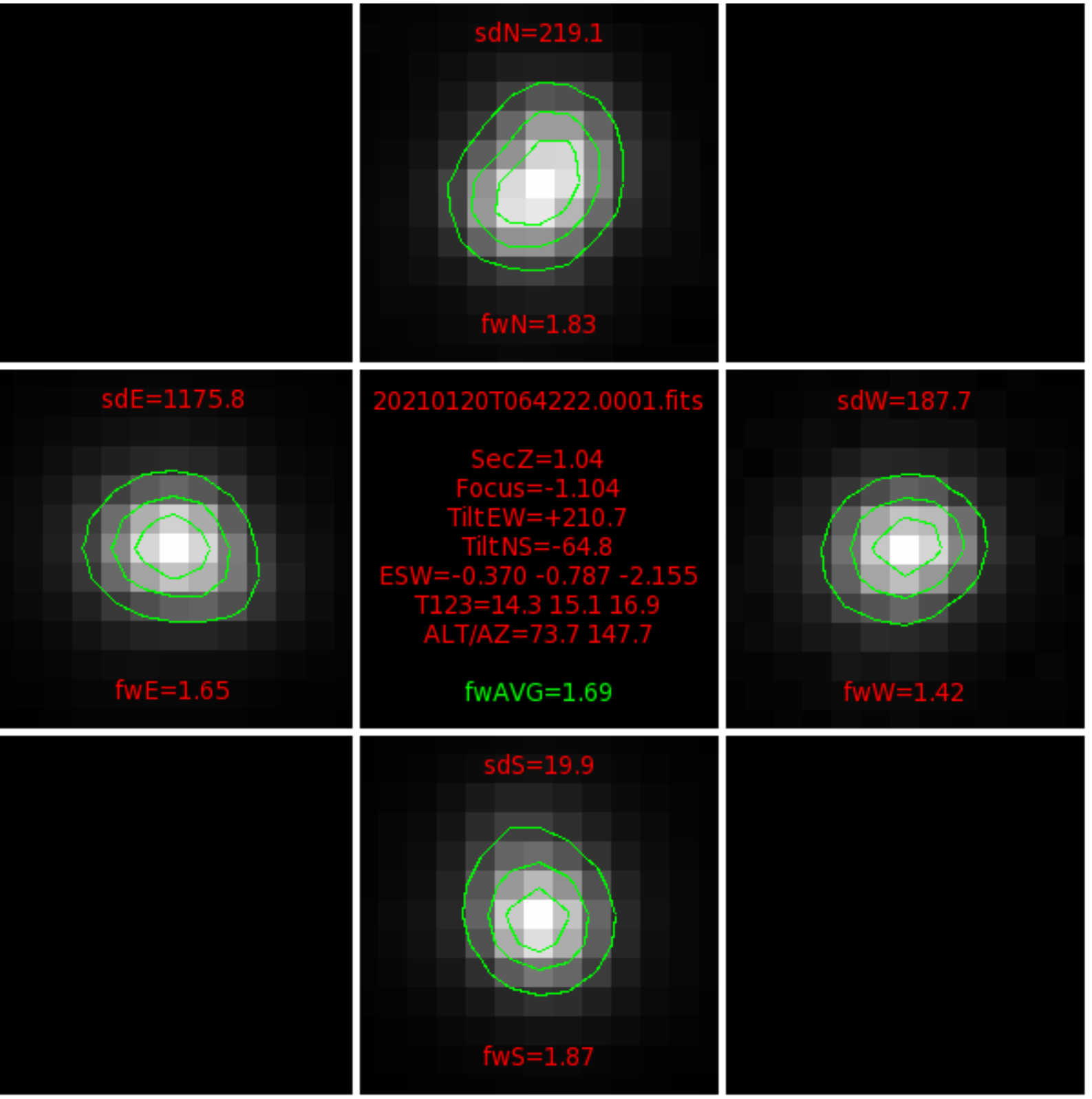
sdN=219.1
fwN=1.83
sdE=1175.8
fwE=1.65
20210120T064222.0001.fits
SecZ=1.04
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 16.9
ALT/AZ=73.7 147.7
fwAVG=1.69
sdW=187.7
fwW=1.42
sdS=19.9
fwS=1.87
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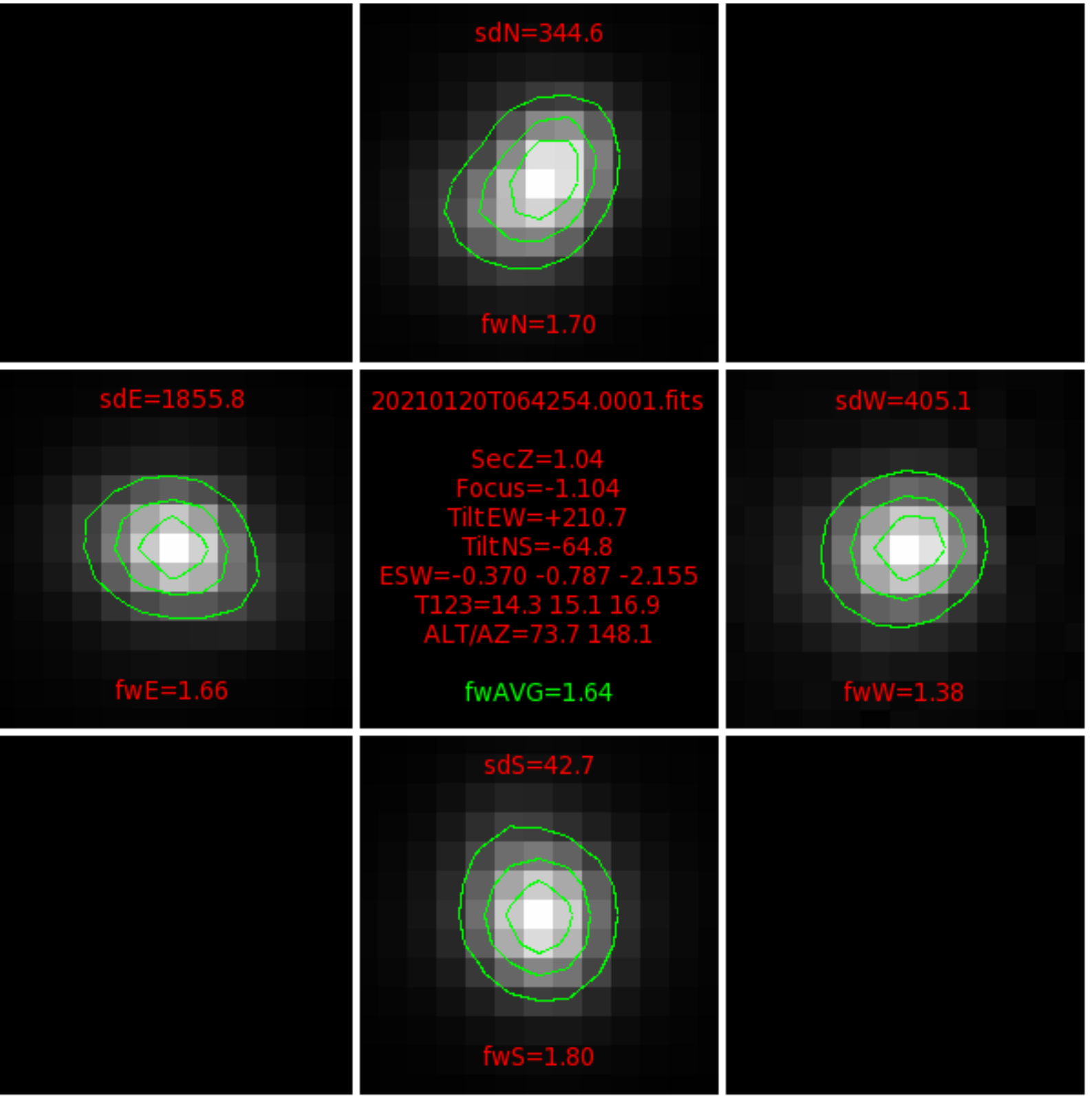
sdN=344.6
fwN=1.70
sdE=1855.8
fwE=1.66
20210120T064254.0001.fits
SecZ=1.04
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 16.9
ALT/AZ=73.7 148.1
fwAVG=1.64
sdW=405.1
fwW=1.38
sdS=42.7
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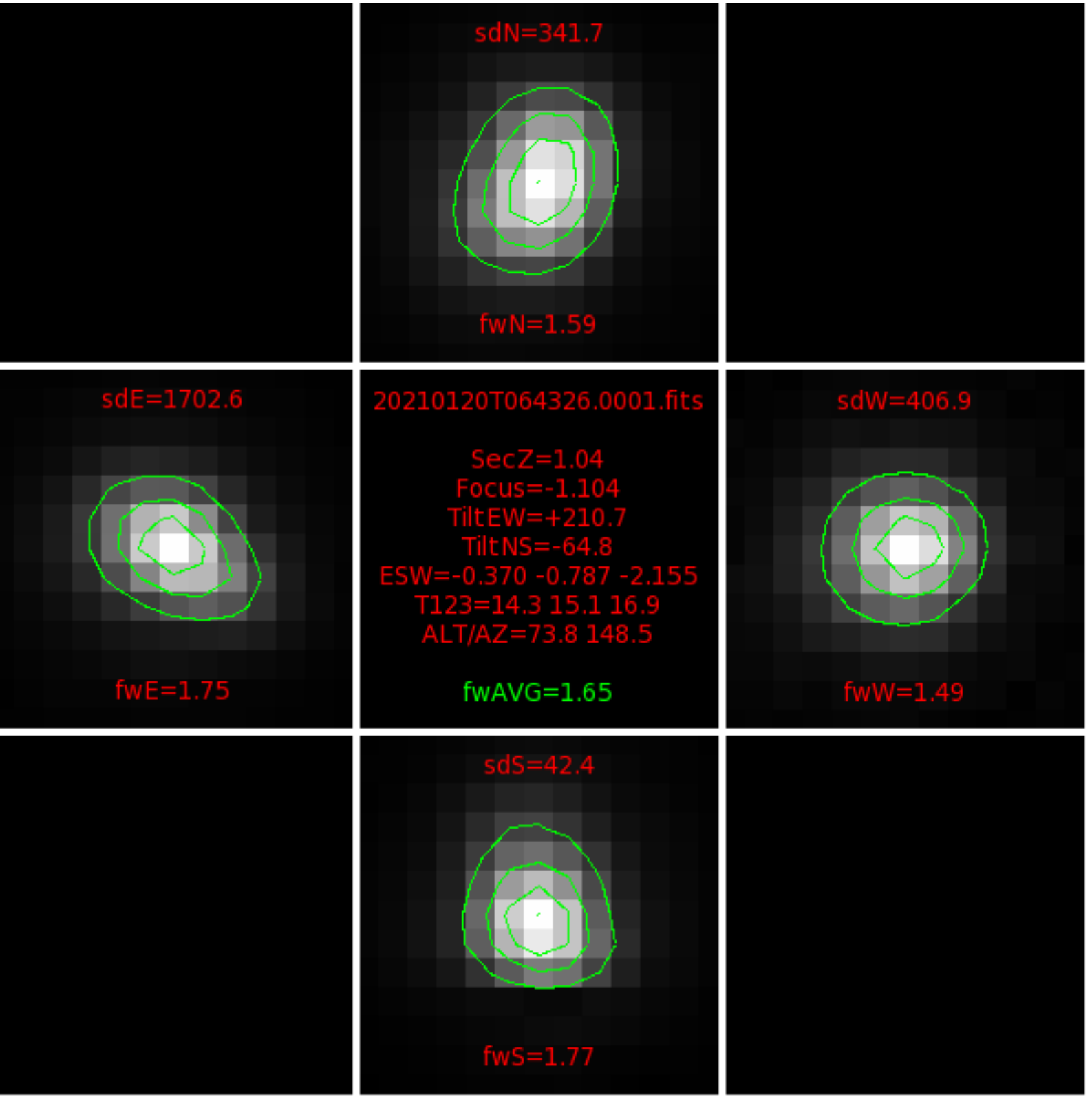
sdN=341.7
fwN=1.59
sdE=1702.6
fwE=1.75
20210120T064326.0001.fits
SecZ=1.04
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 16.9
ALT/AZ=73.8 148.5
fwAVG=1.65
sdW=406.9
fwW=1.49
sdS=42.4
fwS=1.77
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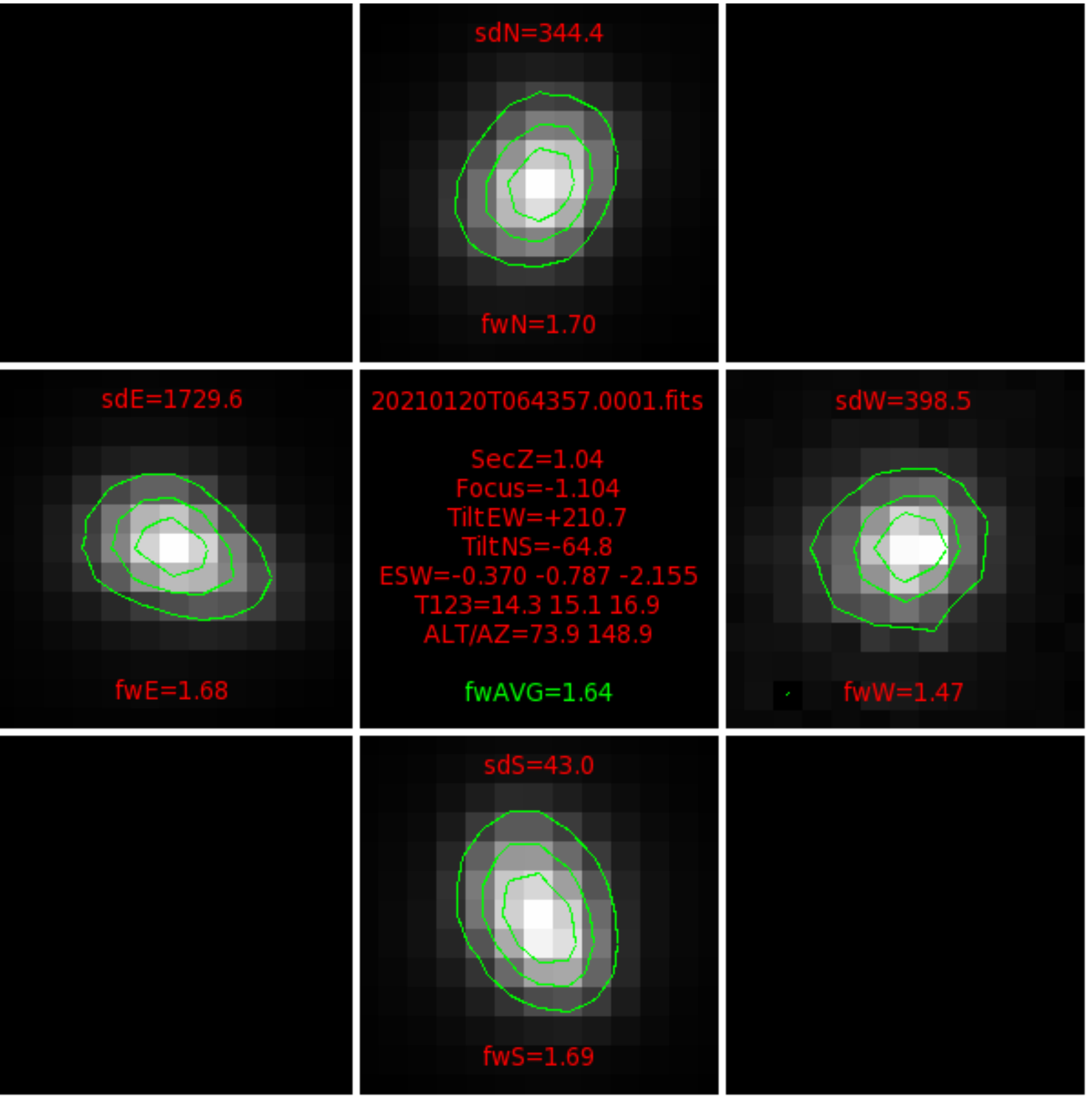
sdN=344.4
fwN=1.70
sdE=1729.6
fwE=1.68
20210120T064357.0001.fits
SecZ=1.04
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 16.9
ALT/AZ=73.9 148.9
fwAVG=1.64
sdW=398.5
fwW=1.47
sdS=43.0
fwS=1.69
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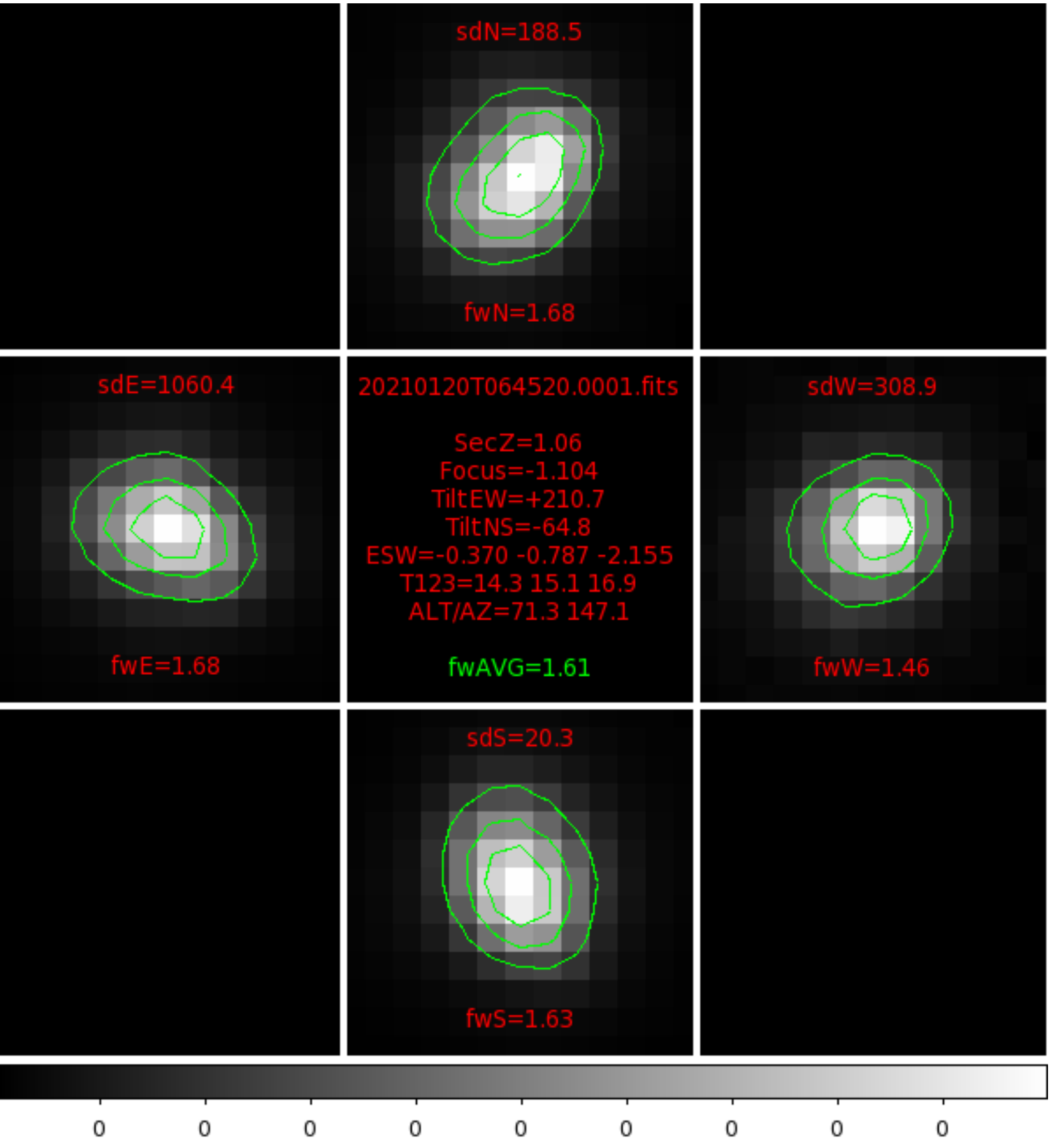
sdN=188.5
fwN=1.68
sdE=1060.4
fwE=1.68
20210120T064520.0001.fits
SecZ=1.06
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 16.9
ALT/AZ=71.3 147.1
fwAVG=1.61
sdW=308.9
fwW=1.46
sdS=20.3
fwS=1.63
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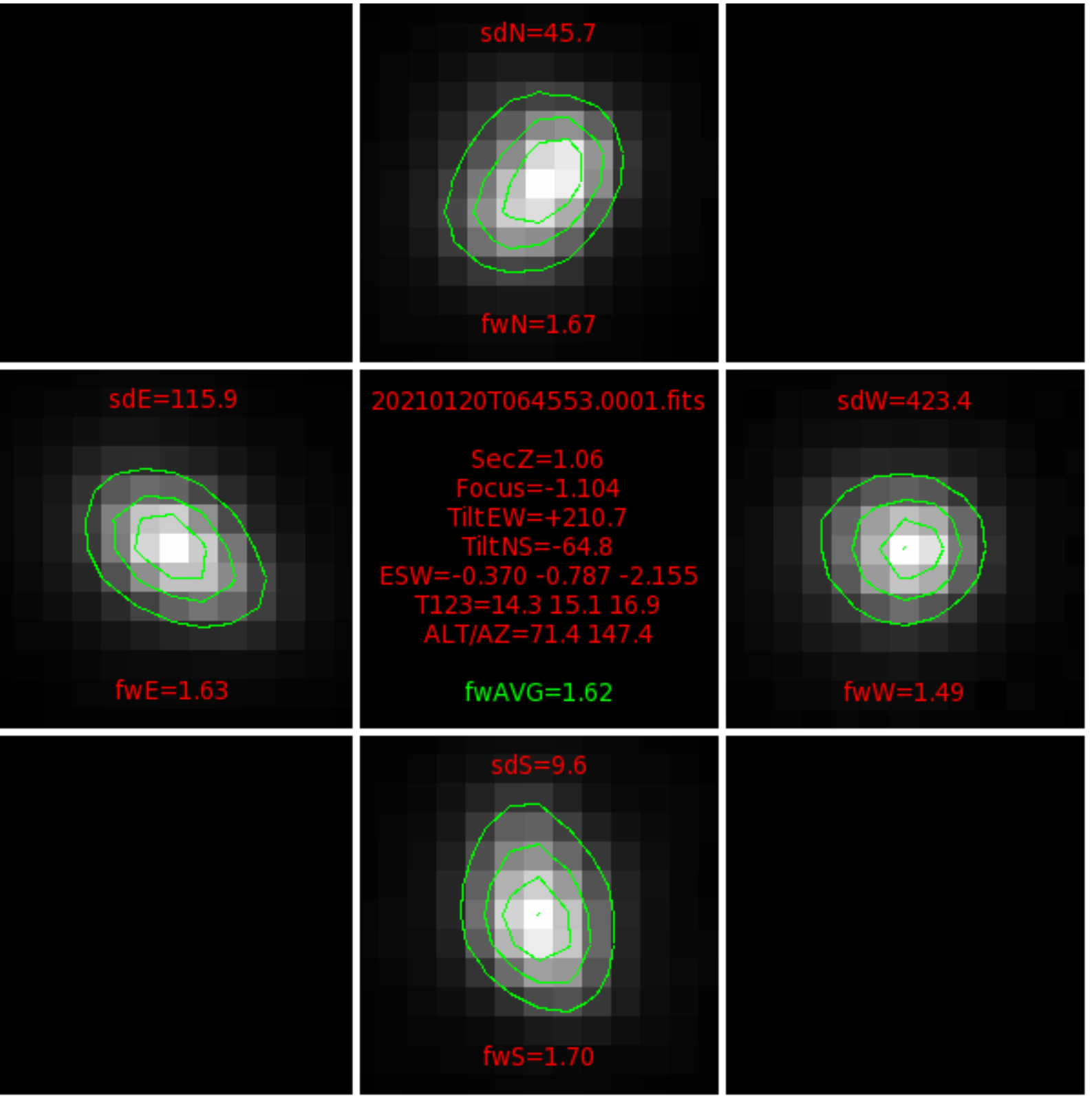
sdN=45.7
fwN=1.67
sdE=115.9
fwE=1.63
20210120T064553.0001.fits
SecZ=1.06
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 16.9
ALT/AZ=71.4 147.4
fwAVG=1.62
sdW=423.4
fwW=1.49
sdS=9.6
fwS=1.70
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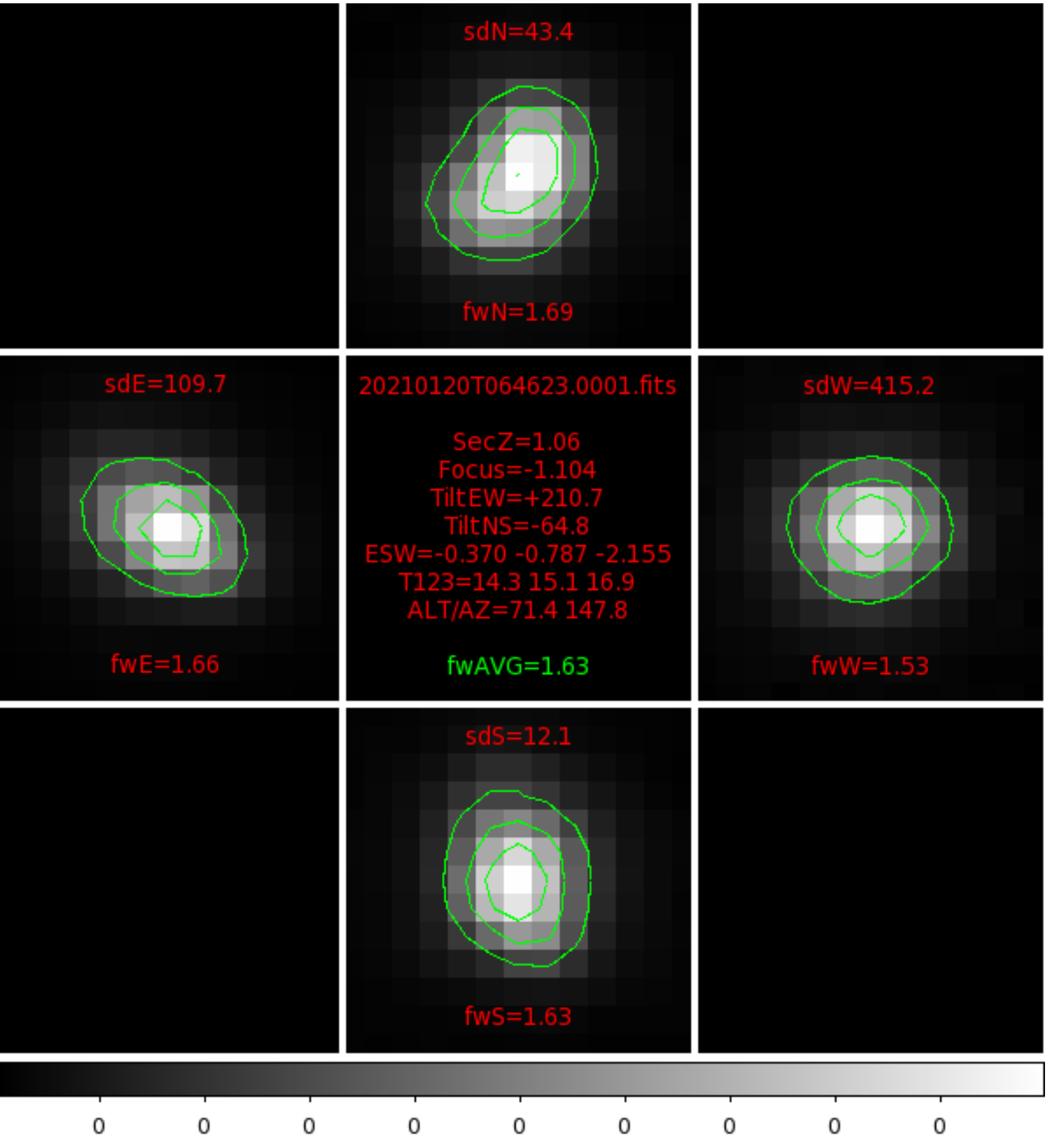
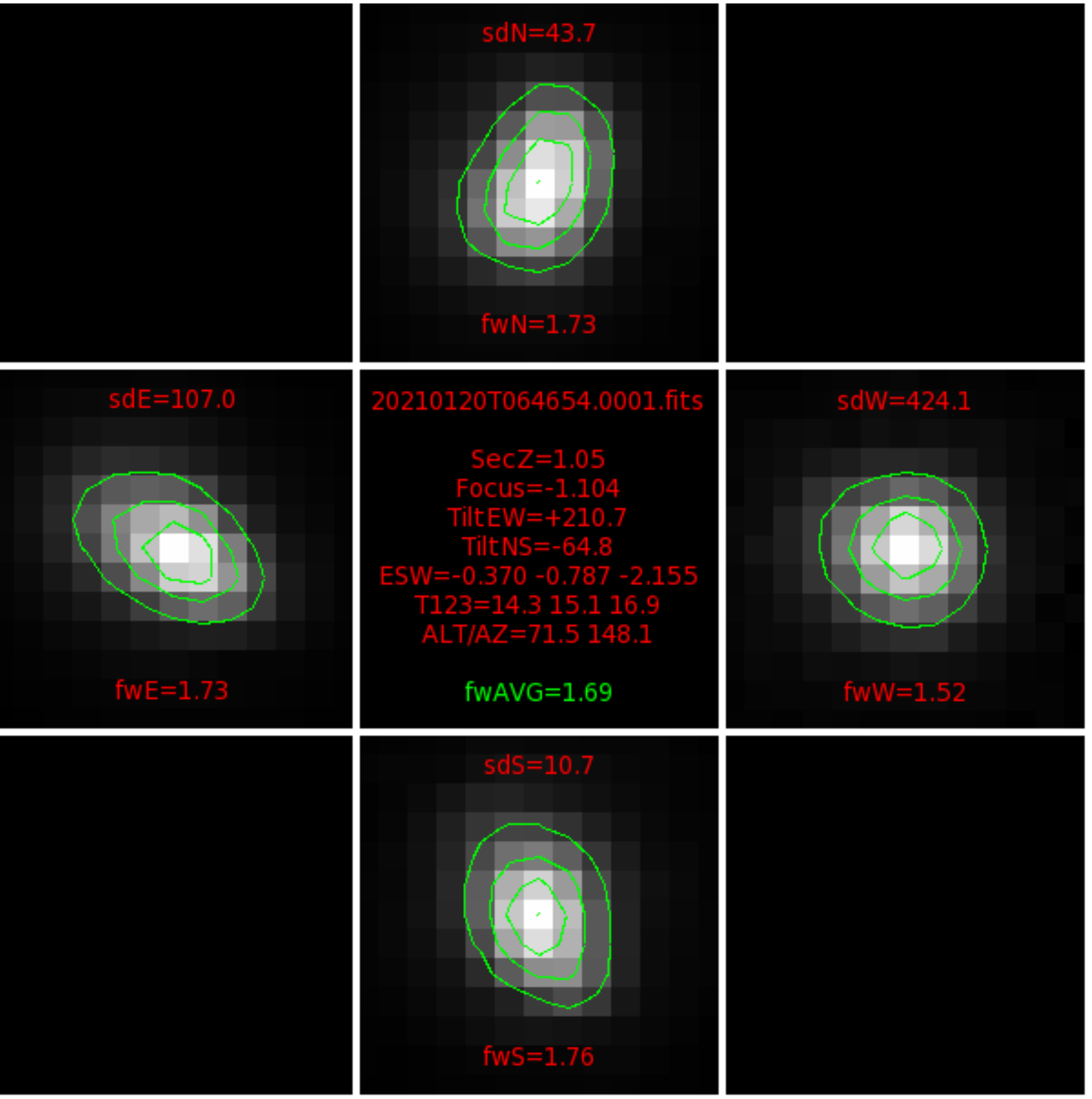

sdN=43.4
fwN=1.69
sdE=109.7
fwE=1.66
20210120T064623.0001.fits
SecZ=1.06
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 16.9
ALT/AZ=71.4 147.8
fwAVG=1.63
sdW=415.2
fwW=1.53
sdS=12.1
fwS=1.63
0 0 0 0 0 0 0 0 0


sdN=43.7
fwN=1.73
sdE=107.0
fwE=1.73
20210120T064654.0001.fits
SecZ=1.05
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 16.9
ALT/AZ=71.5 148.1
fwAVG=1.69
sdW=424.1
fwW=1.52
sdS=10.7
fwS=1.76
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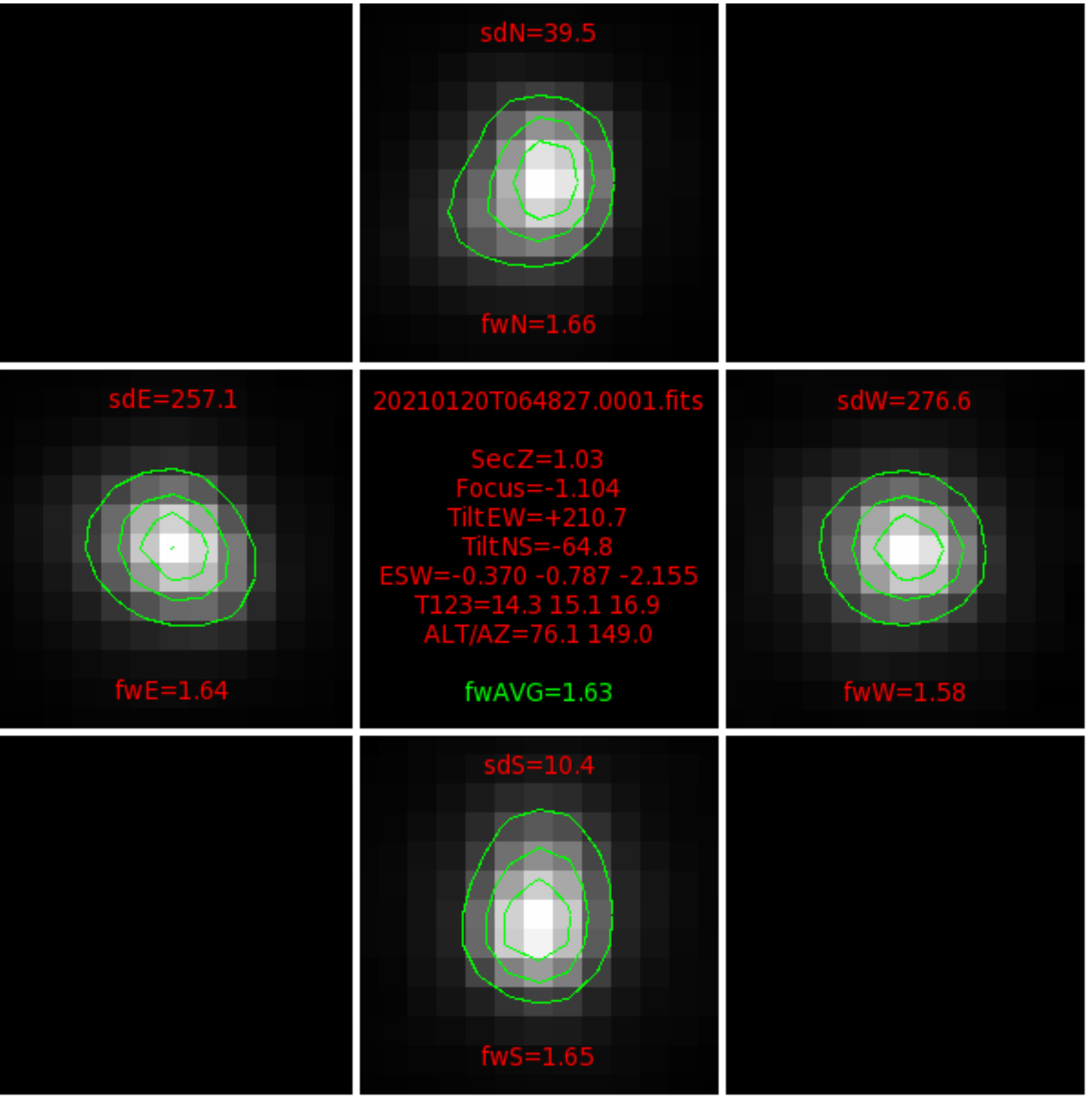
sdN=39.5
fwN=1.66
sdE=257.1
fwE=1.64
20210120T064827.0001.fits
SecZ=1.03
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 16.9
ALT/AZ=76.1 149.0
fwAVG=1.63
sdW=276.6
fwW=1.58
sdS=10.4
fwS=1.65
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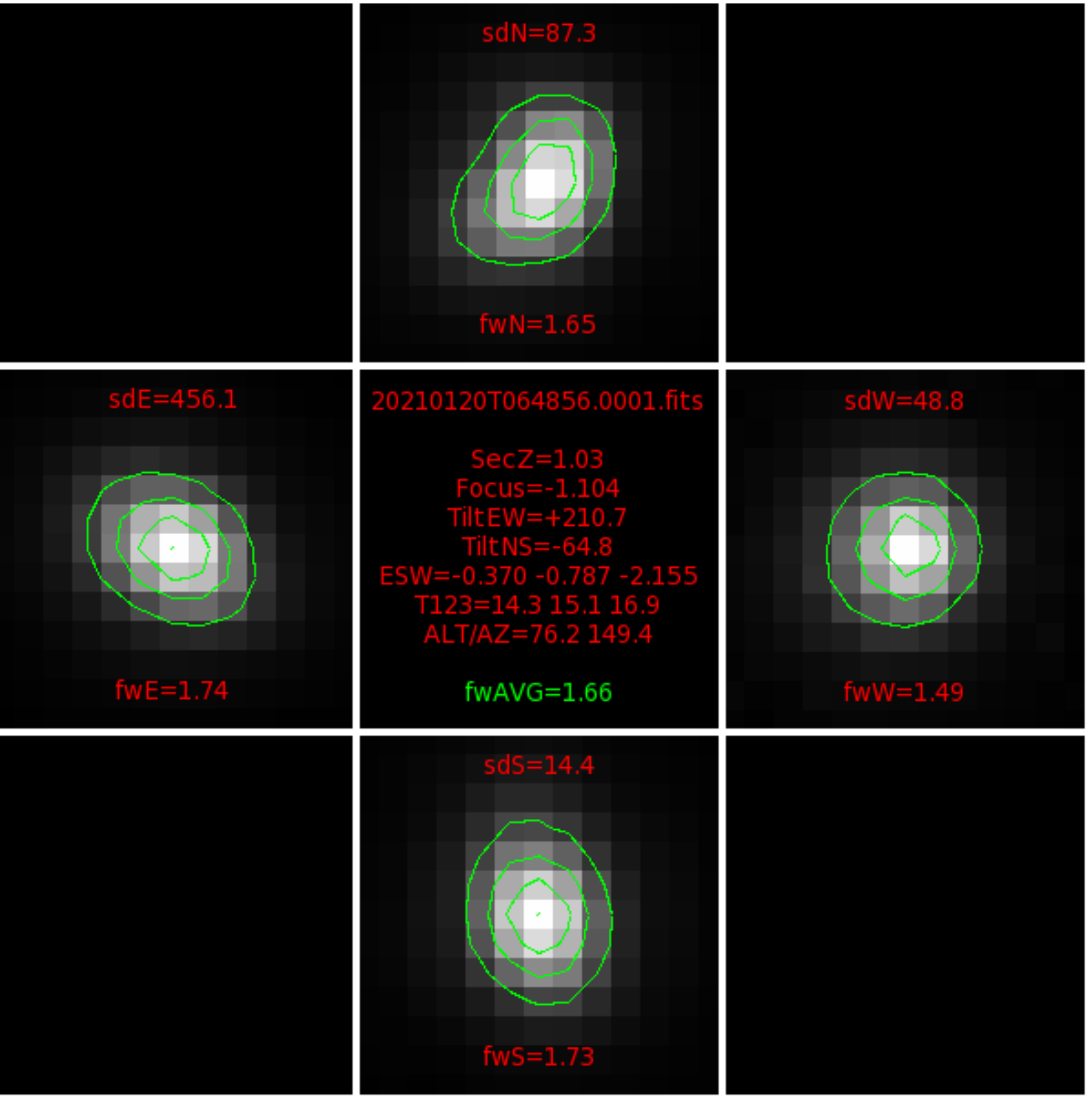
sdN=87.3
fwN=1.65
sdE=456.1
fwE=1.74
20210120T064856.0001.fits
SecZ=1.03
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 16.9
ALT/AZ=76.2 149.4
fwAVG=1.66
sdW=48.8
fwW=1.49
sdS=14.4
fwS=1.73
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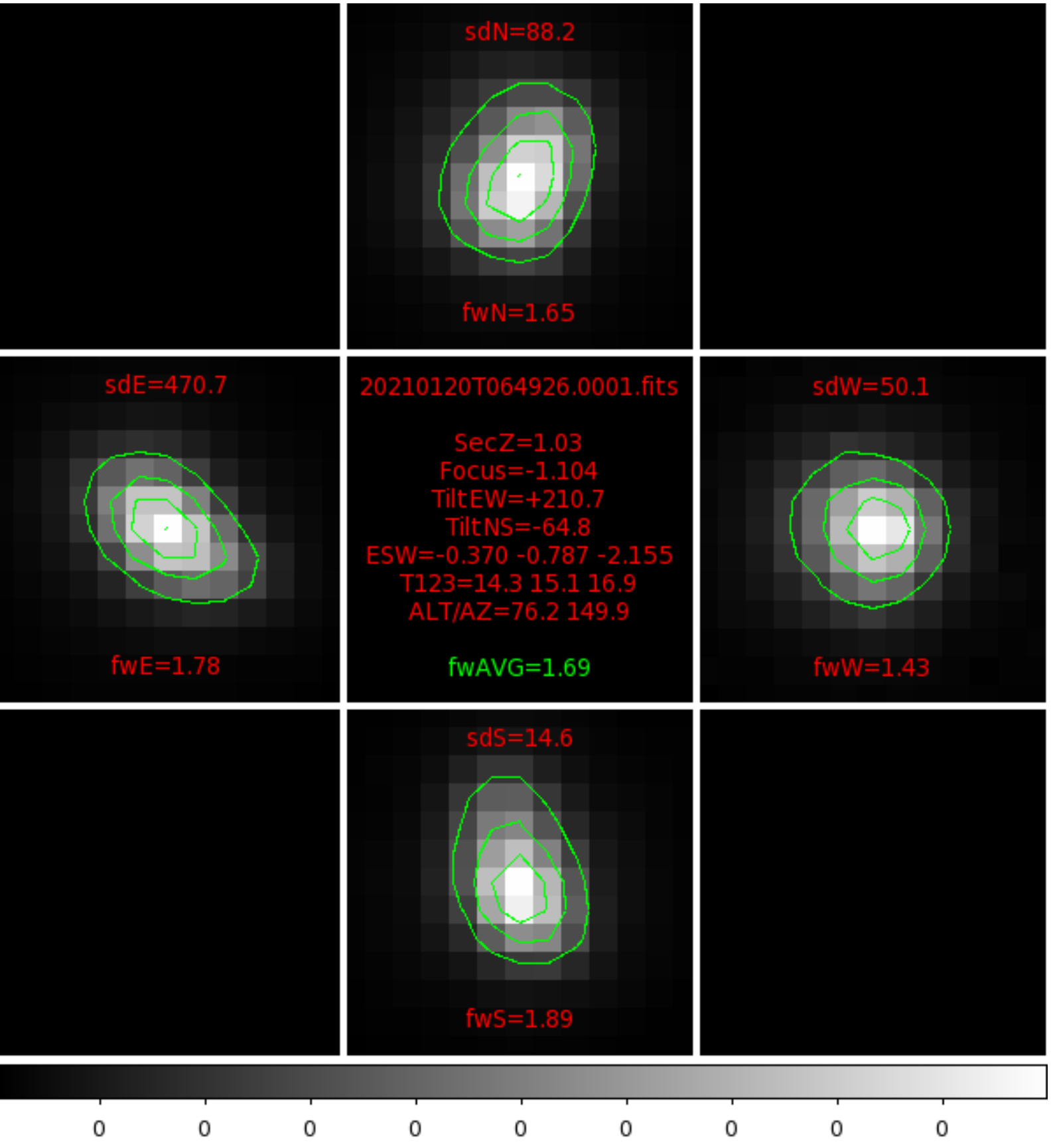
sdN=88.2
fwN=1.65
sdE=470.7
fwE=1.78
20210120T064926.0001.fits
SecZ=1.03
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 16.9
ALT/AZ=76.2 149.9
fwAVG=1.69
sdW=50.1
fwW=1.43
sdS=14.6
fwS=1.89
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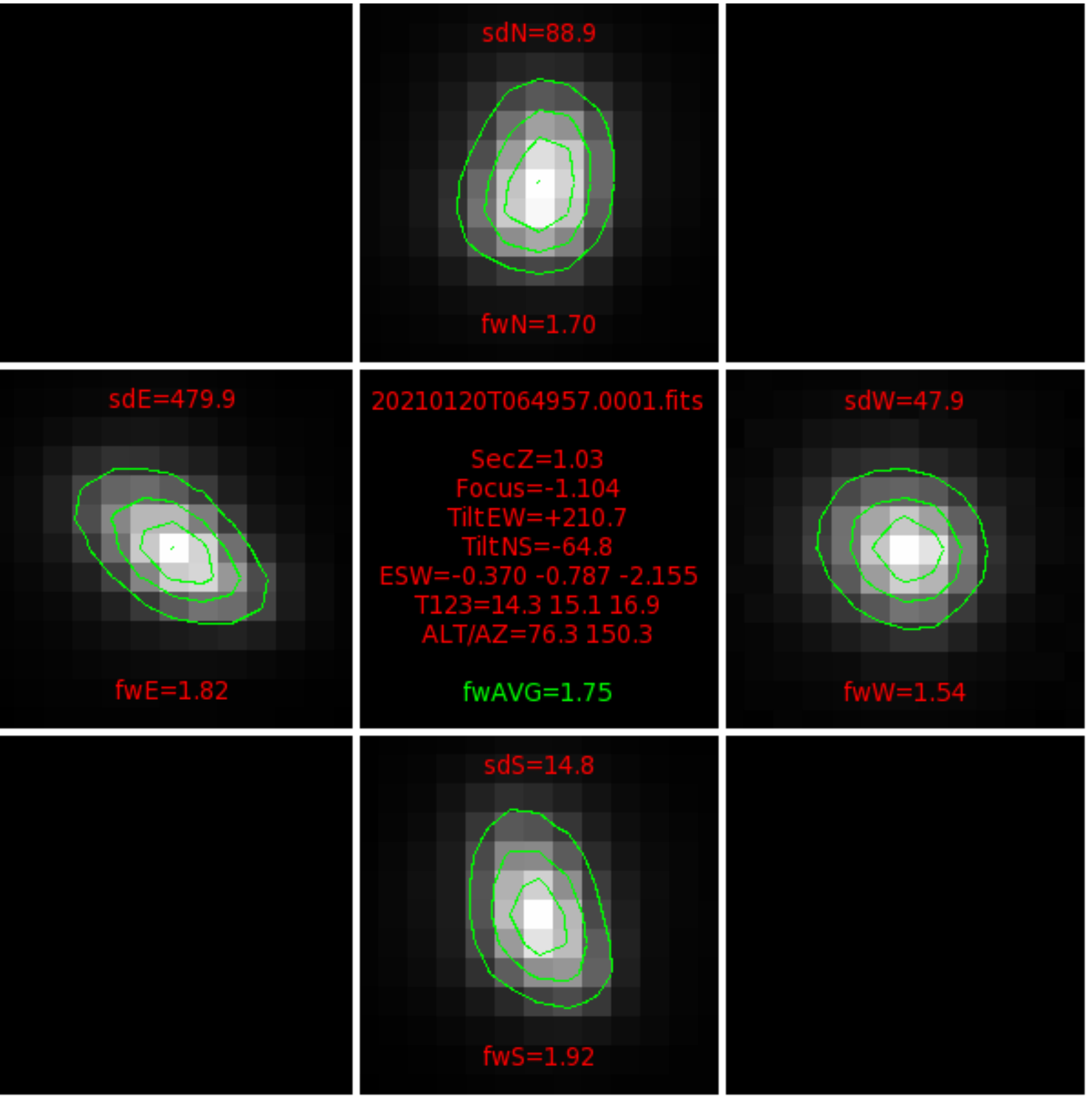
sdN=88.9
fwN=1.70
sdE=479.9
fwE=1.82
20210120T064957.0001.fits
SecZ=1.03
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 16.9
ALT/AZ=76.3 150.3
fwAVG=1.75
sdW=47.9
fwW=1.54
sdS=14.8
fwS=1.92
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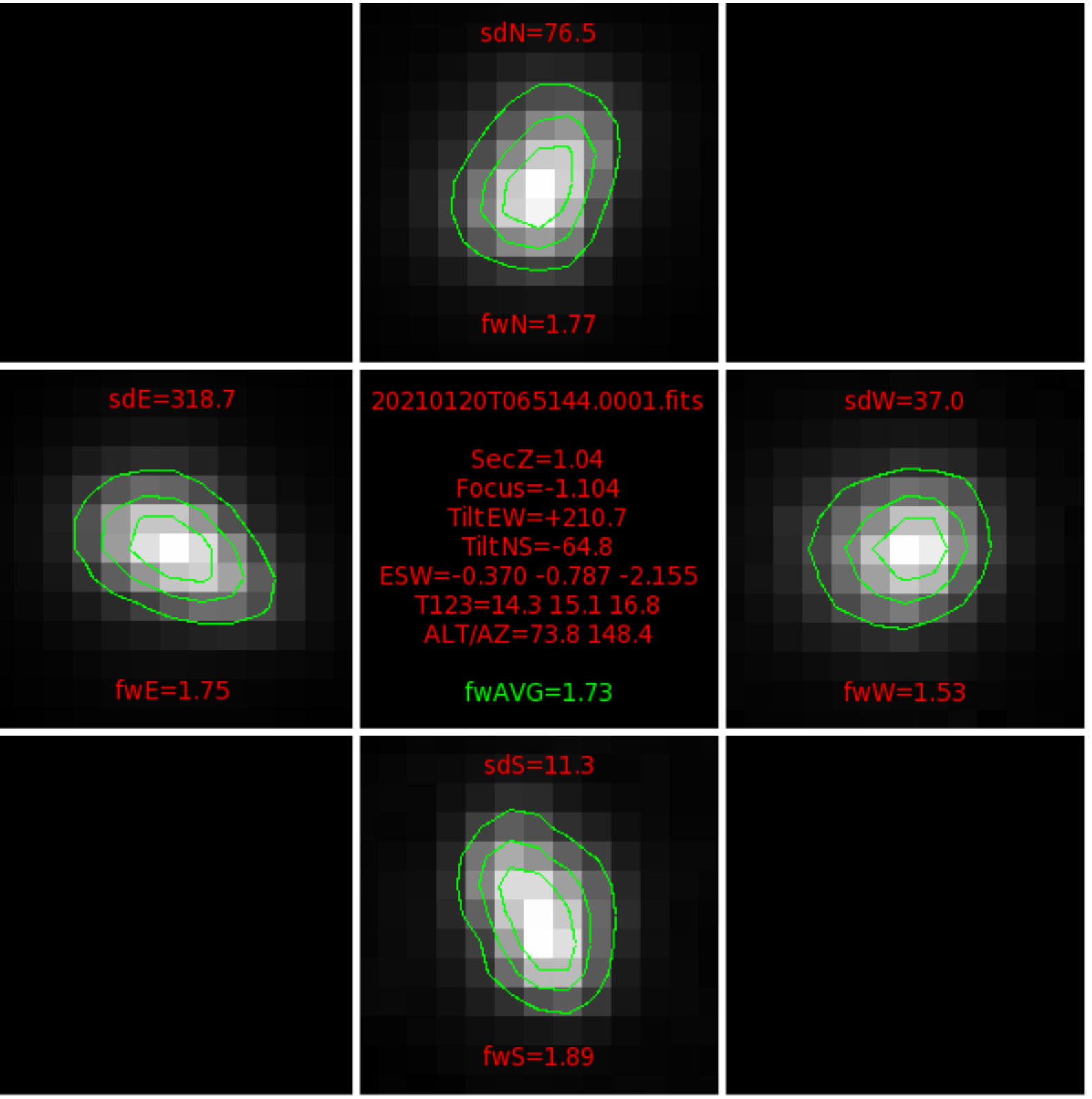
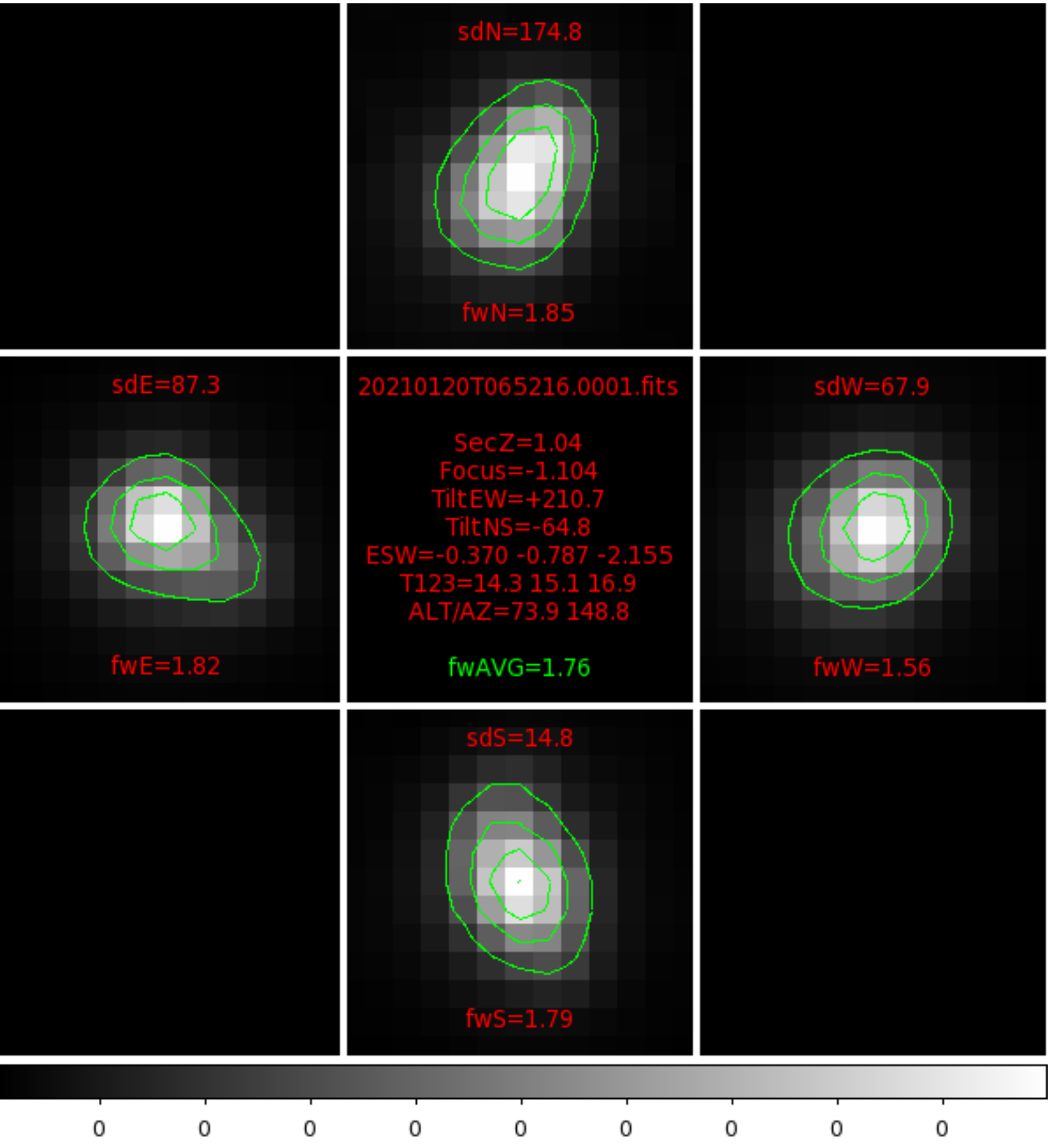

sdN=76.5
fwN=1.77
sdE=318.7
fwE=1.75
20210120T065144.0001.fits
SecZ=1.04
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 16.8
ALT/AZ=73.8 148.4
fwAVG=1.73
sdW=37.0
fwW=1.53
sdS=11.3
fwS=1.89
0 0 0 0 0 0 0 0 0


sdN=174.8
fwN=1.85
sdE=87.3
fwE=1.82
20210120T065216.0001.fits
SecZ=1.04
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 16.9
ALT/AZ=73.9 148.8
fwAVG=1.76
sdW=67.9
fwW=1.56
sdS=14.8
fwS=1.79
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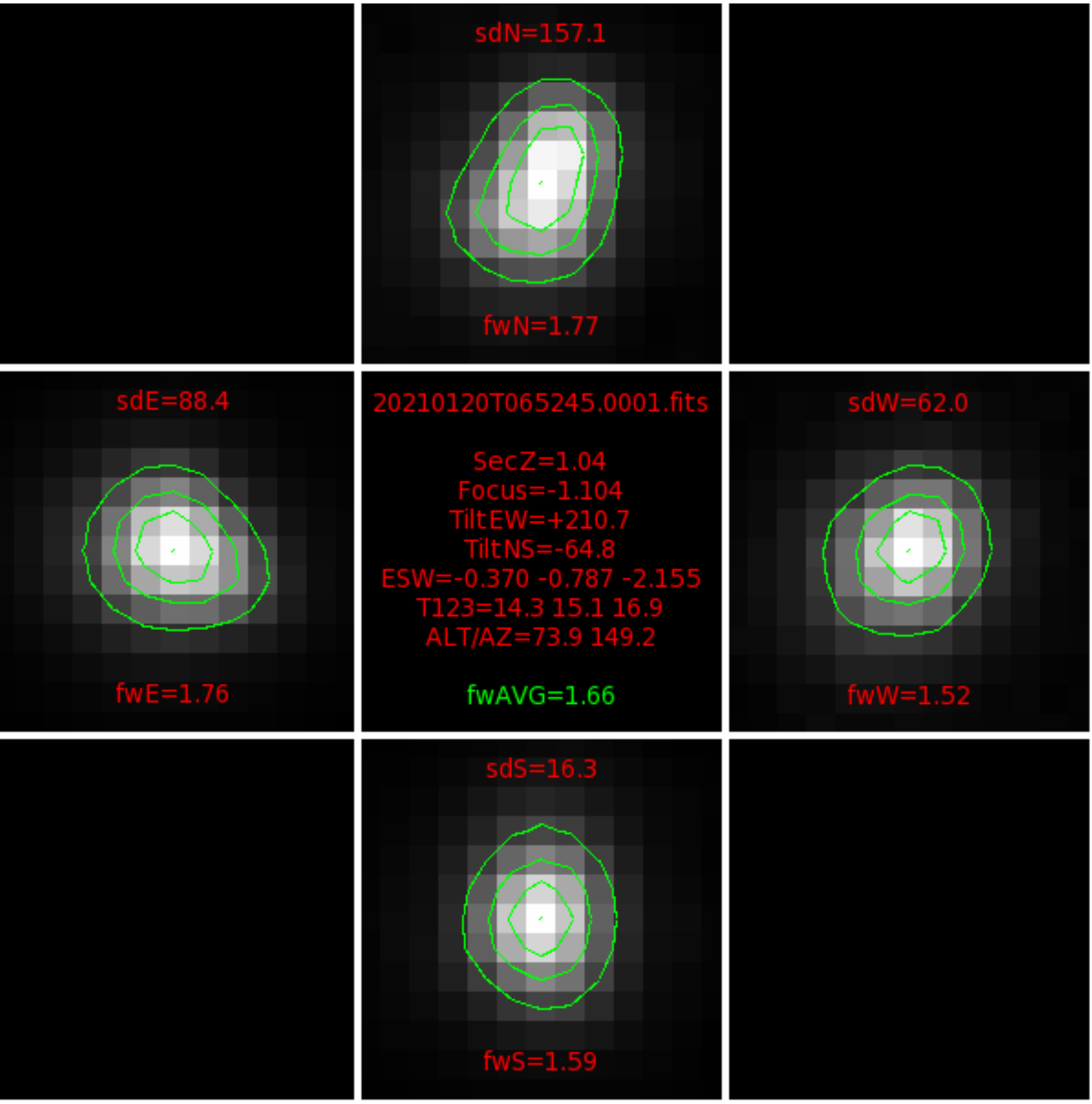
sdN=157.1
fwN=1.77
sdE=88.4
fwE=1.76
20210120T065245.0001.fits
SecZ=1.04
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 16.9
ALT/AZ=73.9 149.2
fwAVG=1.66
sdW=62.0
fwW=1.52
sdS=16.3
fwS=1.59
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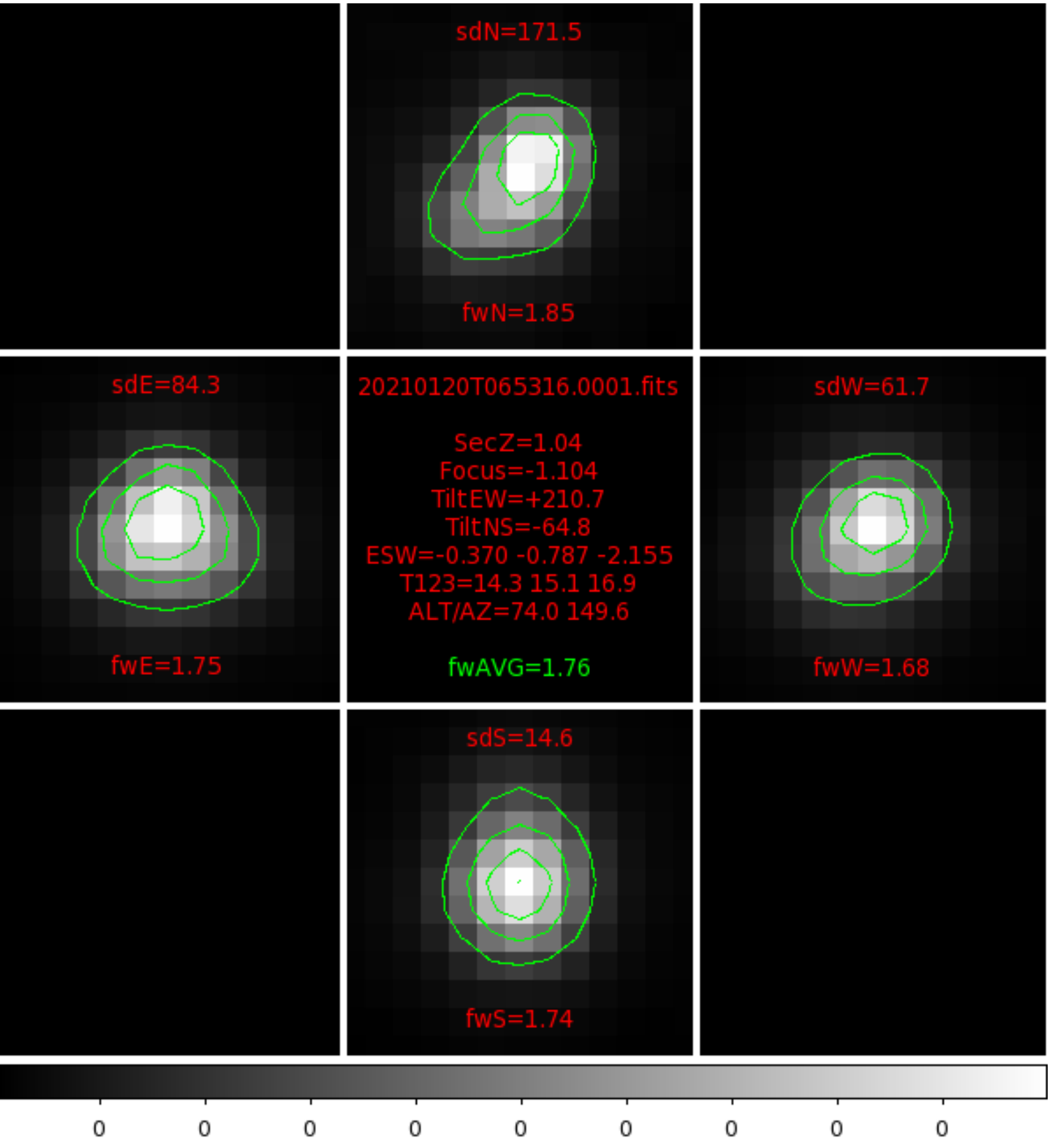
sdN=171.5
fwN=1.85
sdE=84.3
fwE=1.75
20210120T065316.0001.fits
SecZ=1.04
Focus=-1.104
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.370 -0.787 -2.155
T123=14.3 15.1 16.9
ALT/AZ=74.0 149.6
fwAVG=1.76
sdW=61.7
fwW=1.68
sdS=14.6
fwS=1.74
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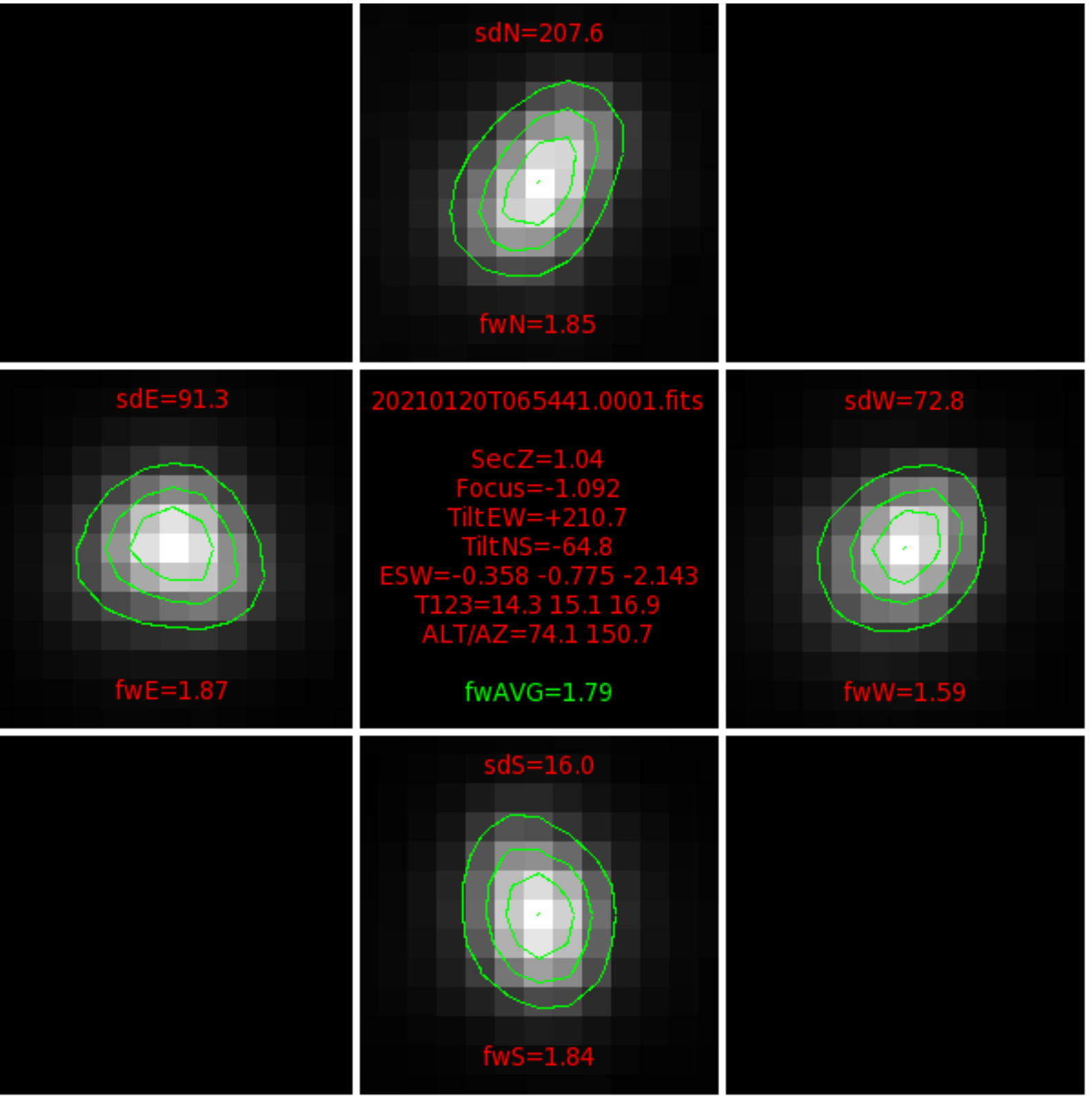
sdN=207.6
fwN=1.85
sdE=91.3
fwE=1.87
20210120T065441.0001.fits
SecZ=1.04
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.1 16.9
ALT/AZ=74.1 150.7
fwAVG=1.79
sdW=72.8
fwW=1.59
sdS=16.0
fwS=1.84
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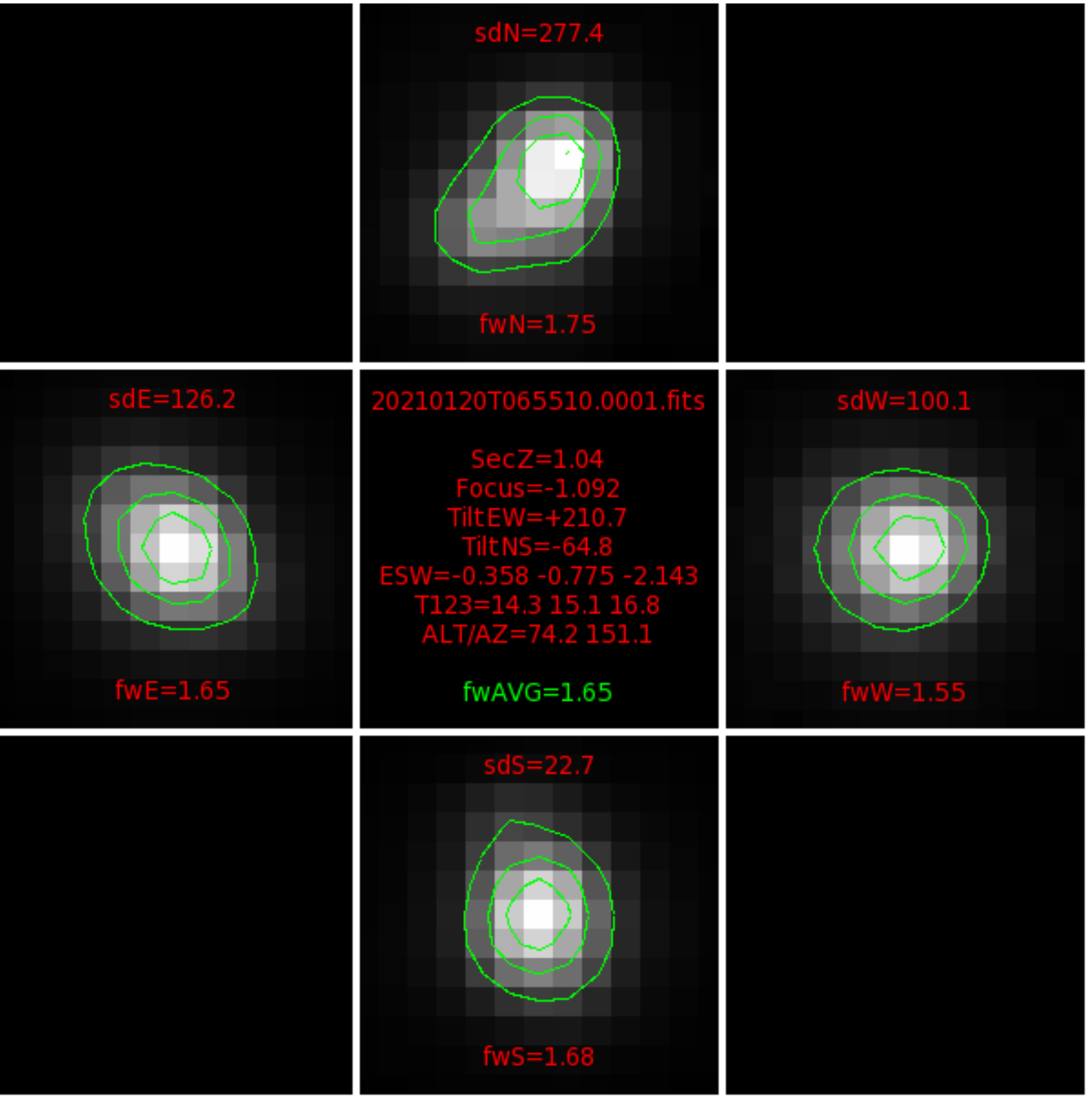
sdN=277.4
fwN=1.75
sdE=126.2
fwE=1.65
20210120T065510.0001.fits
SecZ=1.04
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.1 16.8
ALT/AZ=74.2 151.1
fwAVG=1.65
sdW=100.1
fwW=1.55
sdS=22.7
fwS=1.68
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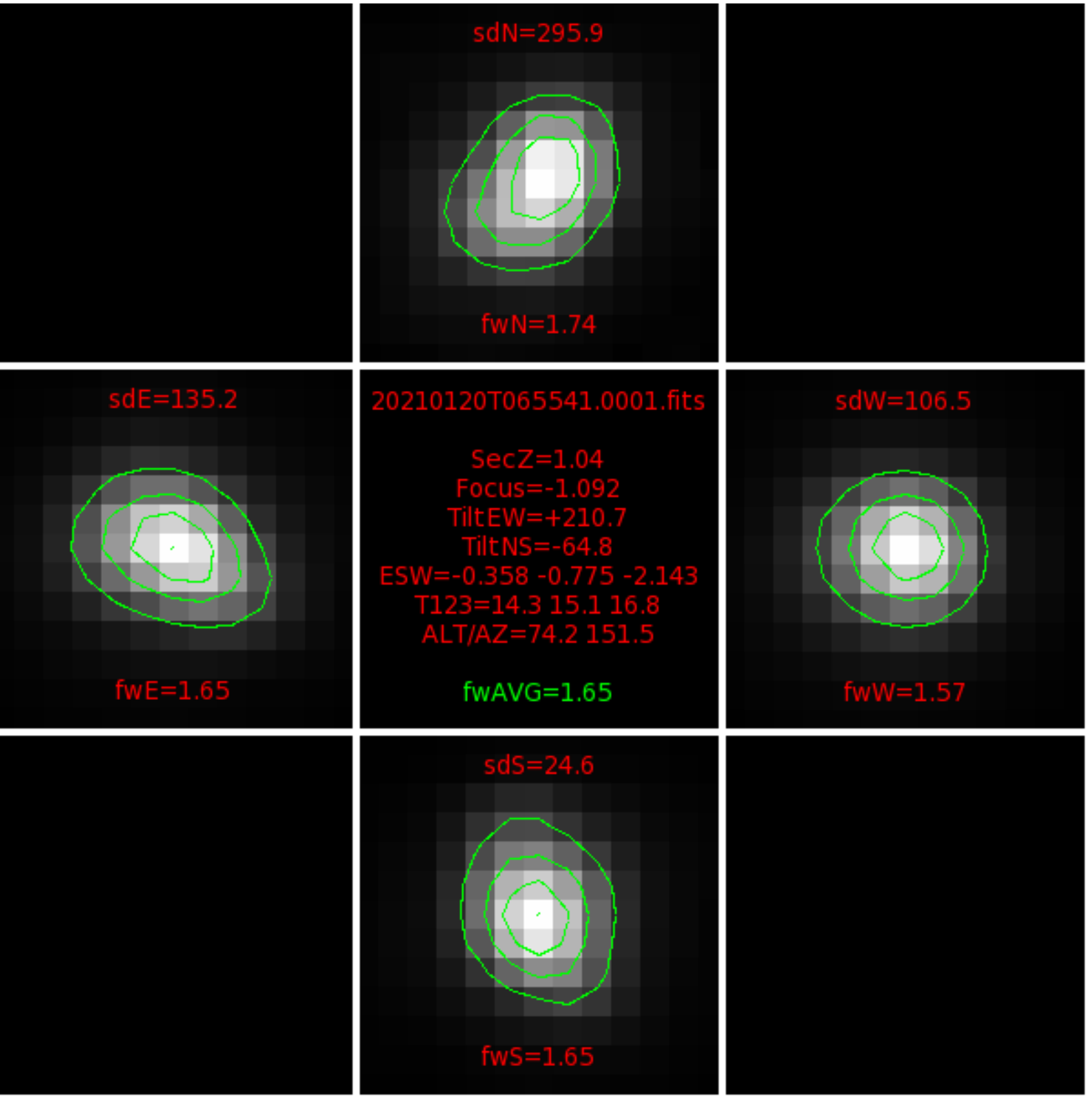
sdN=295.9
fwN=1.74
sdE=135.2
fwE=1.65
20210120T065541.0001.fits
SecZ=1.04
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.1 16.8
ALT/AZ=74.2 151.5
fwAVG=1.65
sdW=106.5
fwW=1.57
sdS=24.6
fwS=1.65
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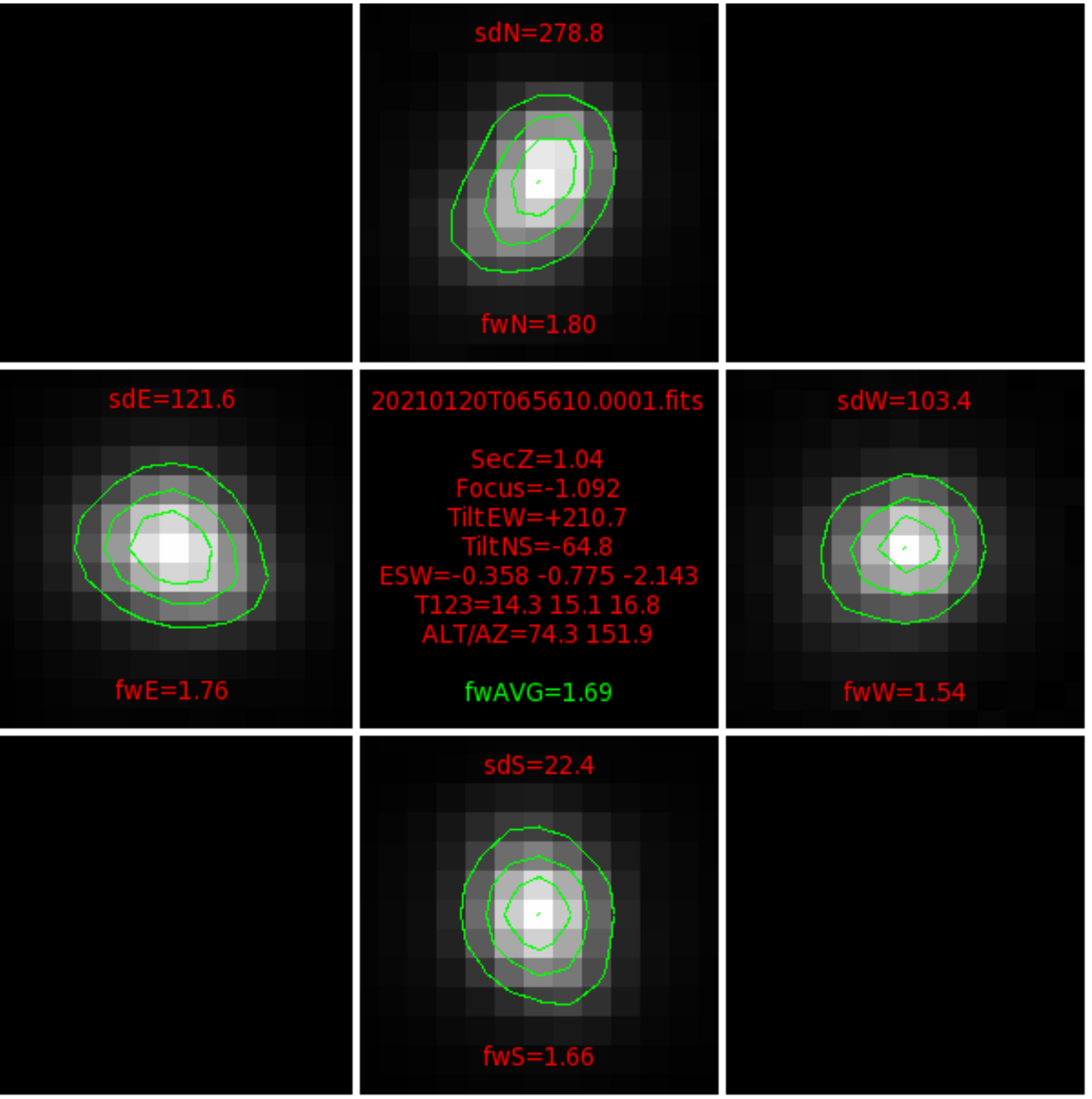
sdN=278.8
fwN=1.80
sdE=121.6
fwE=1.76
20210120T065610.0001.fits
SecZ=1.04
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.1 16.8
ALT/AZ=74.3 151.9
fwAVG=1.69
sdW=103.4
fwW=1.54
sdS=22.4
fwS=1.66
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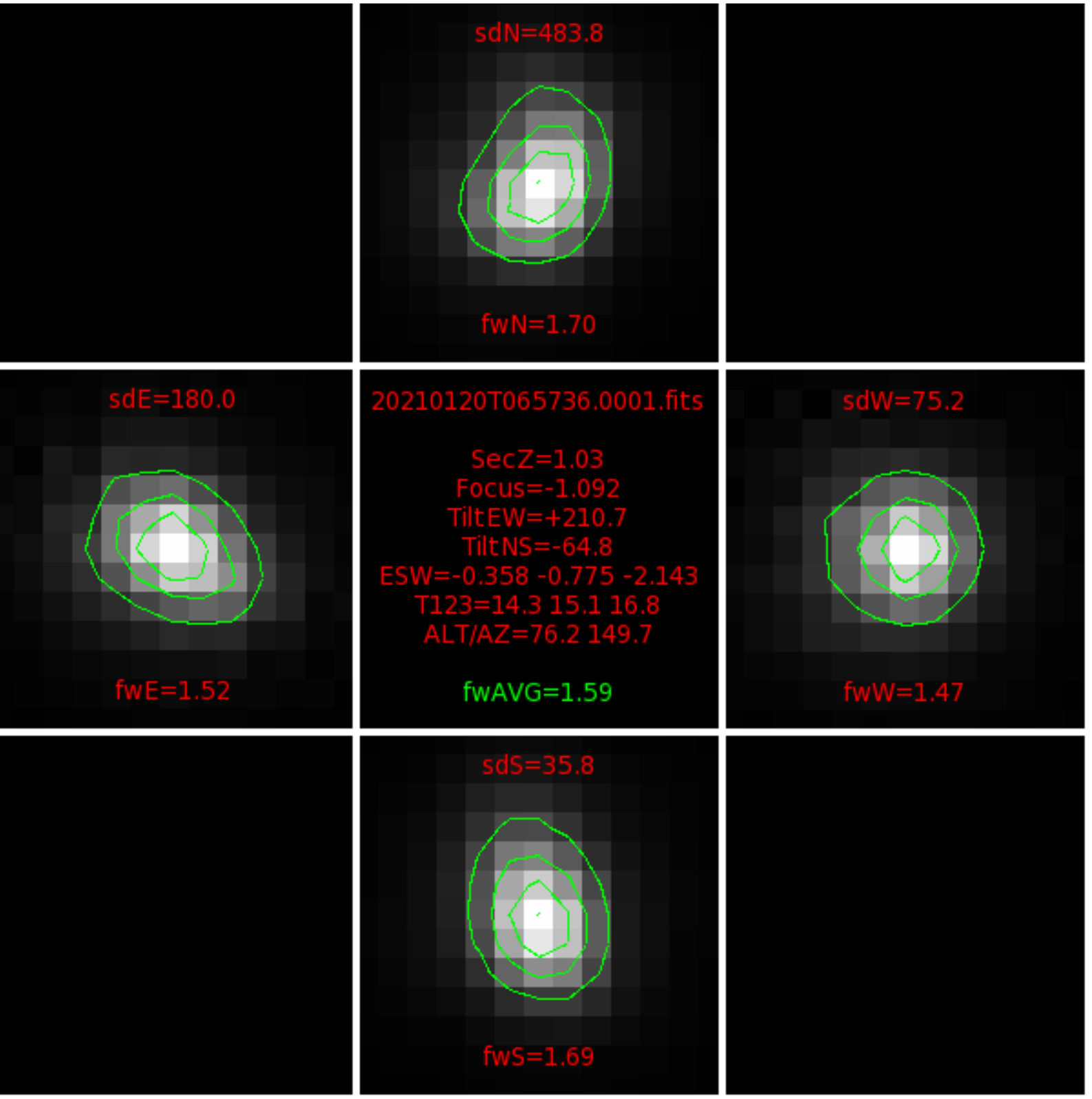
sdN=483.8
fwN=1.70
sdE=180.0
fwE=1.52
20210120T065736.0001.fits
SecZ=1.03
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.1 16.8
ALT/AZ=76.2 149.7
fwAVG=1.59
sdW=75.2
fwW=1.47
sdS=35.8
fwS=1.69
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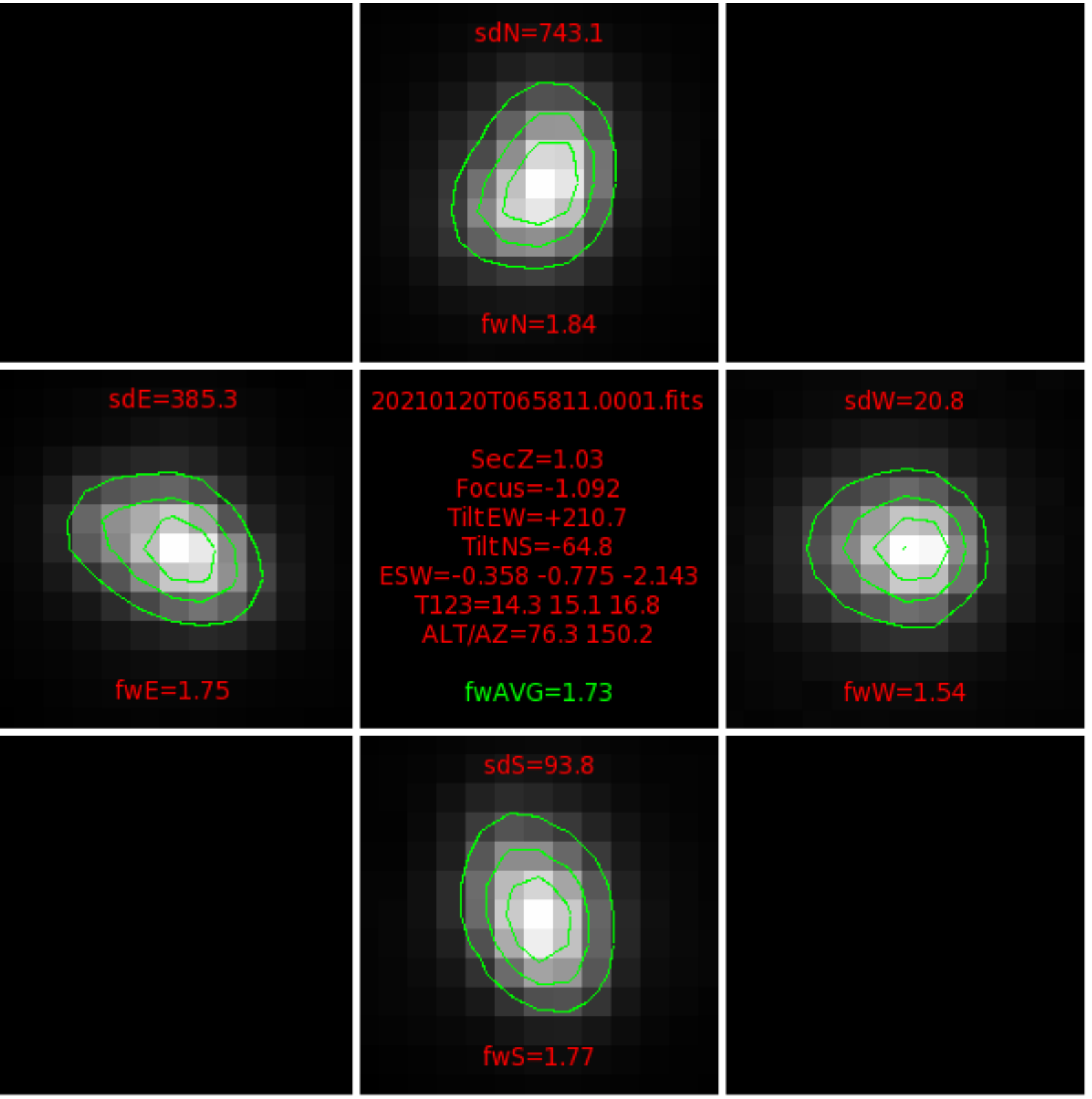
sdN=743.1
fwN=1.84
sdE=385.3
fwE=1.75
20210120T065811.0001.fits
SecZ=1.03
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.1 16.8
ALT/AZ=76.3 150.2
fwAVG=1.73
sdW=20.8
fwW=1.54
sdS=93.8
fwS=1.77
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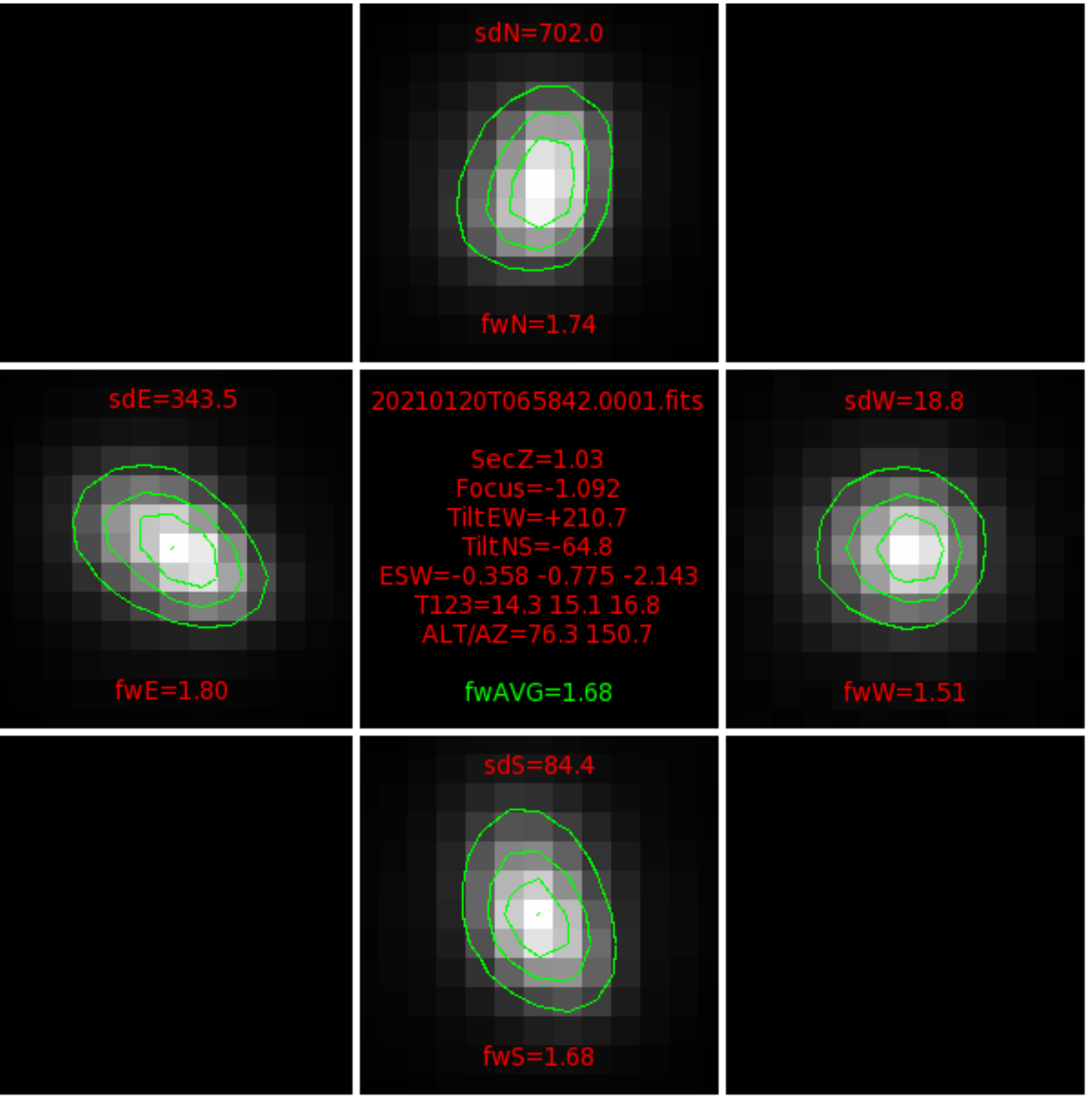
sdN=702.0
fwN=1.74
sdE=343.5
fwE=1.80
20210120T065842.0001.fits
SecZ=1.03
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.1 16.8
ALT/AZ=76.3 150.7
fwAVG=1.68
sdW=18.8
fwW=1.51
sdS=84.4
fwS=1.68
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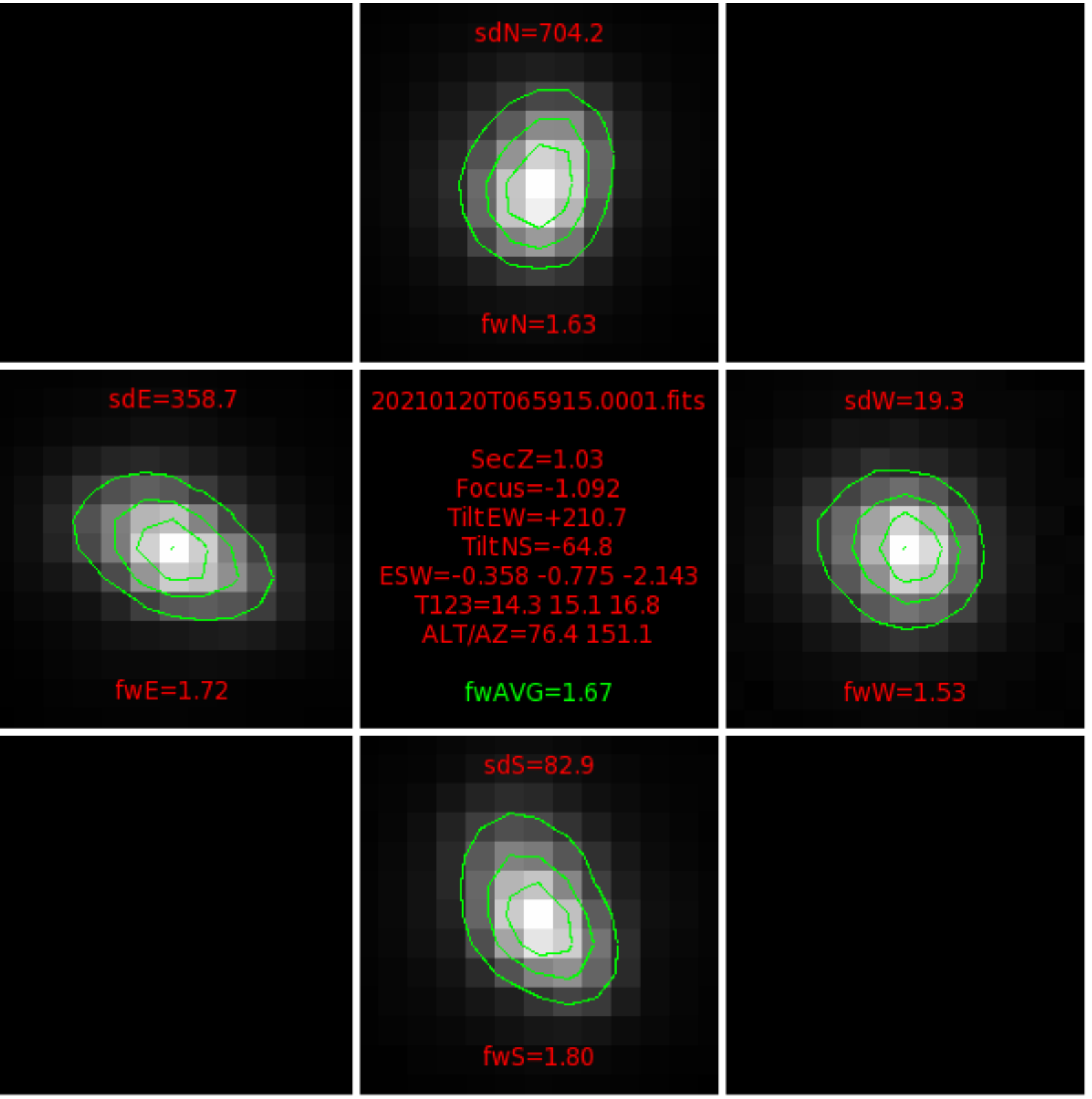
sdN=704.2
fwN=1.63
sdE=358.7
fwE=1.72
20210120T065915.0001.fits
SecZ=1.03
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.1 16.8
ALT/AZ=76.4 151.1
fwAVG=1.67
sdW=19.3
fwW=1.53
sdS=82.9
fwS=1.80
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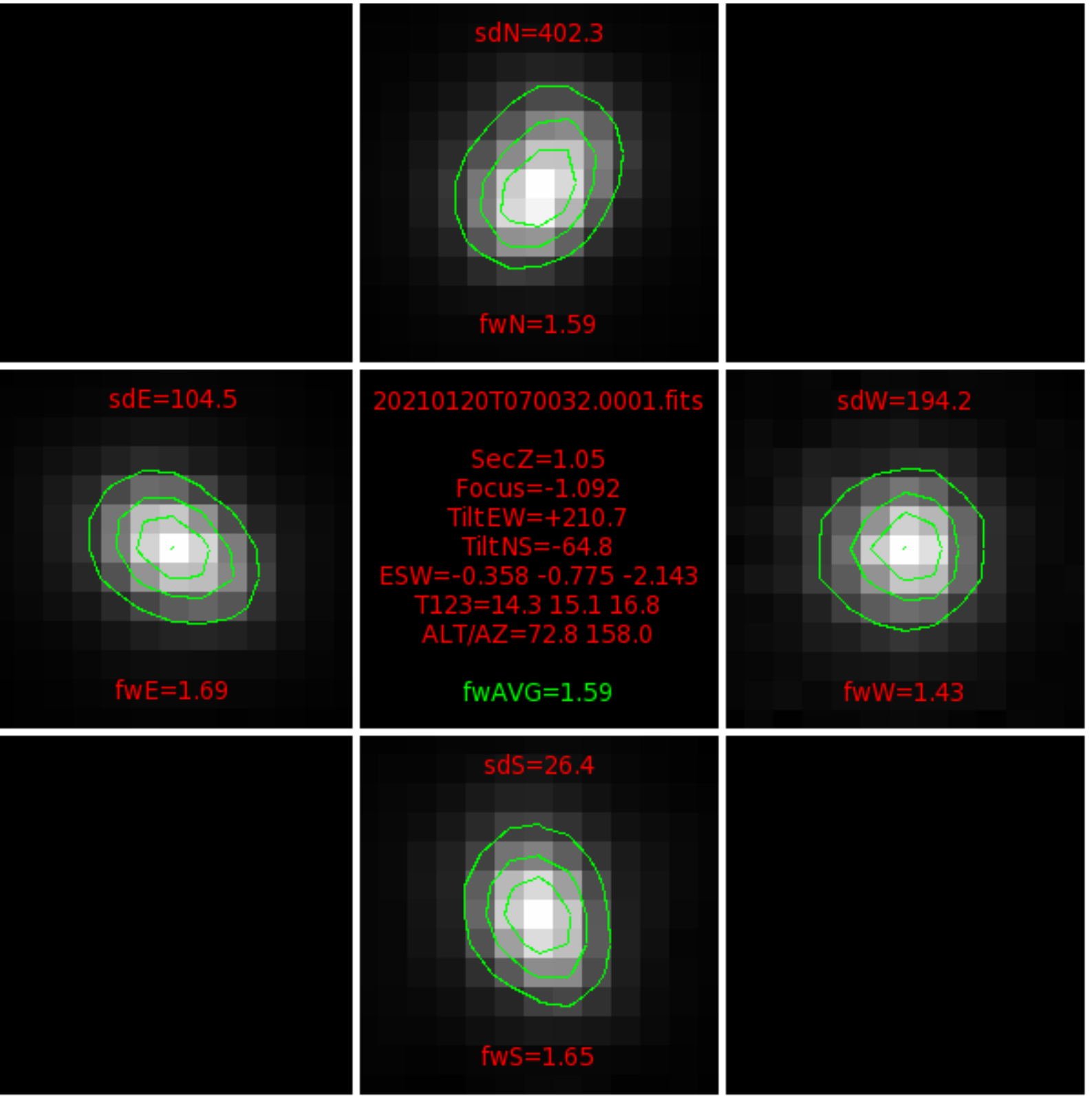
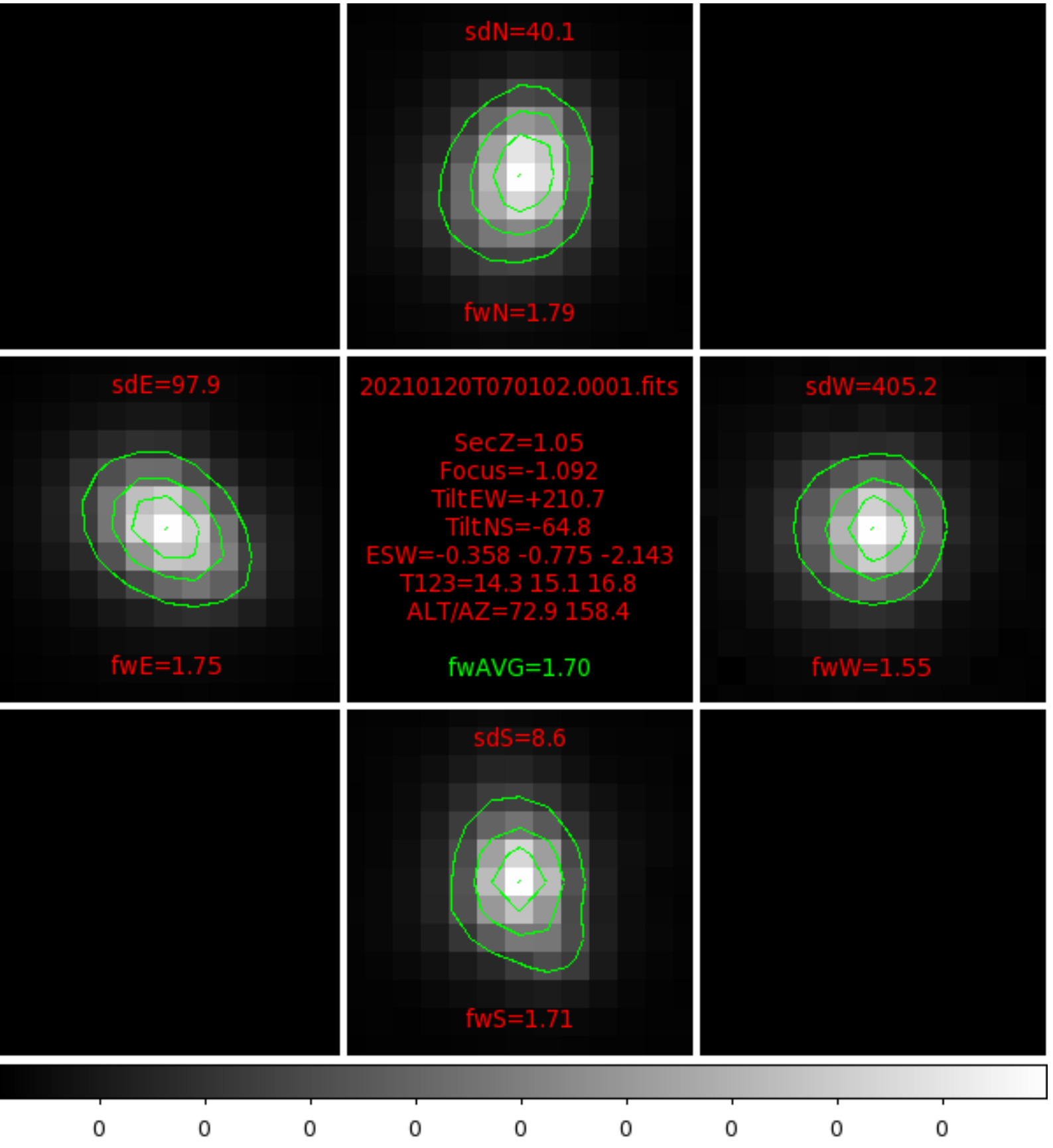

sdN=402.3
fwN=1.59
sdE=104.5
fwE=1.69
20210120T070032.0001.fits
SecZ=1.05
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.1 16.8
ALT/AZ=72.8 158.0
fwAVG=1.59
sdW=194.2
fwW=1.43
sdS=26.4
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=40.1
fwN=1.79
sdE=97.9
fwE=1.75
20210120T070102.0001.fits
SecZ=1.05
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.1 16.8
ALT/AZ=72.9 158.4
fwAVG=1.70
sdW=405.2
fwW=1.55
sdS=8.6
fwS=1.71
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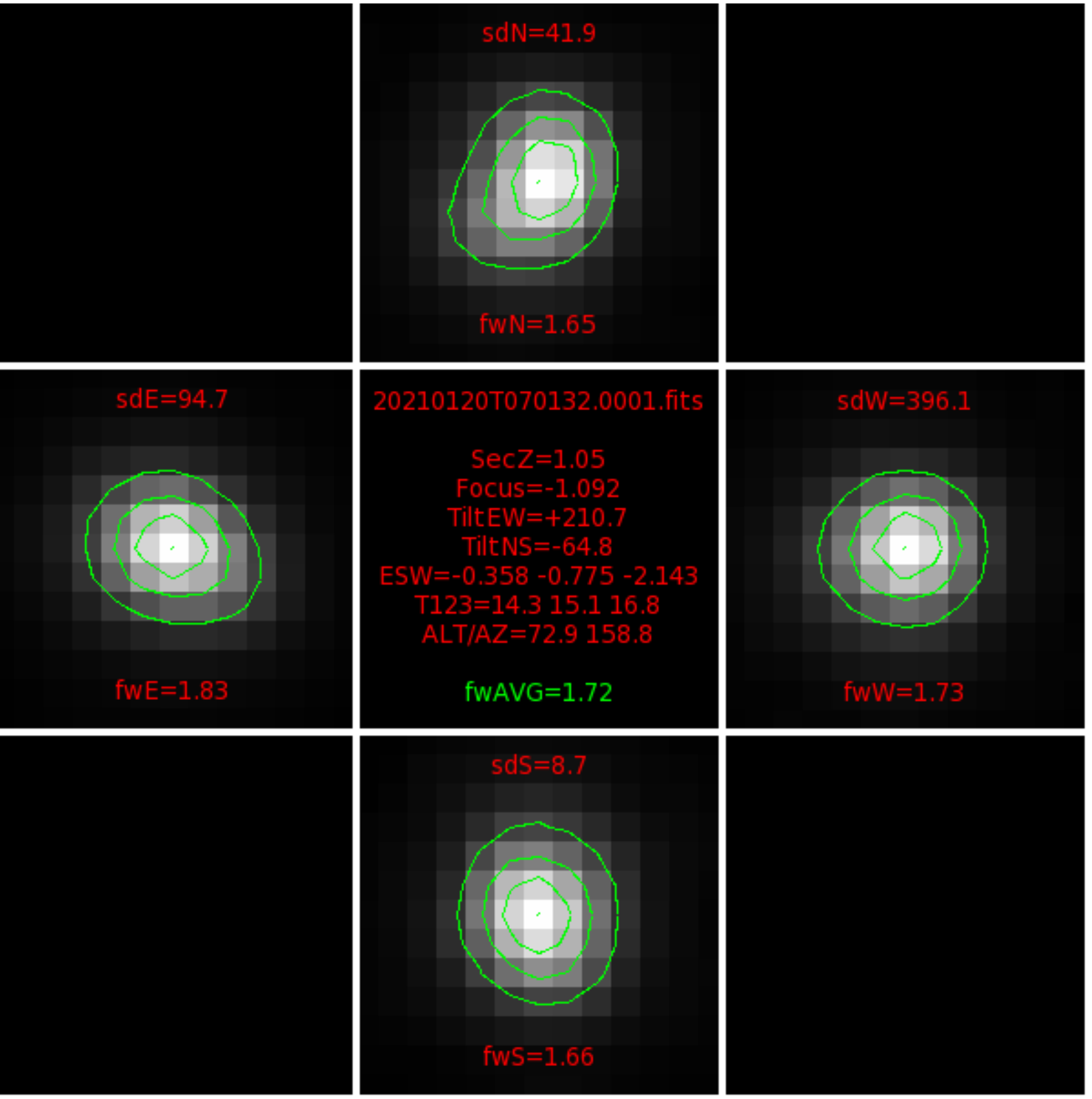
sdN=41.9
fwN=1.65
sdE=94.7
fwE=1.83
20210120T070132.0001.fits
SecZ=1.05
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.1 16.8
ALT/AZ=72.9 158.8
fwAVG=1.72
sdW=396.1
fwW=1.73
sdS=8.7
fwS=1.66
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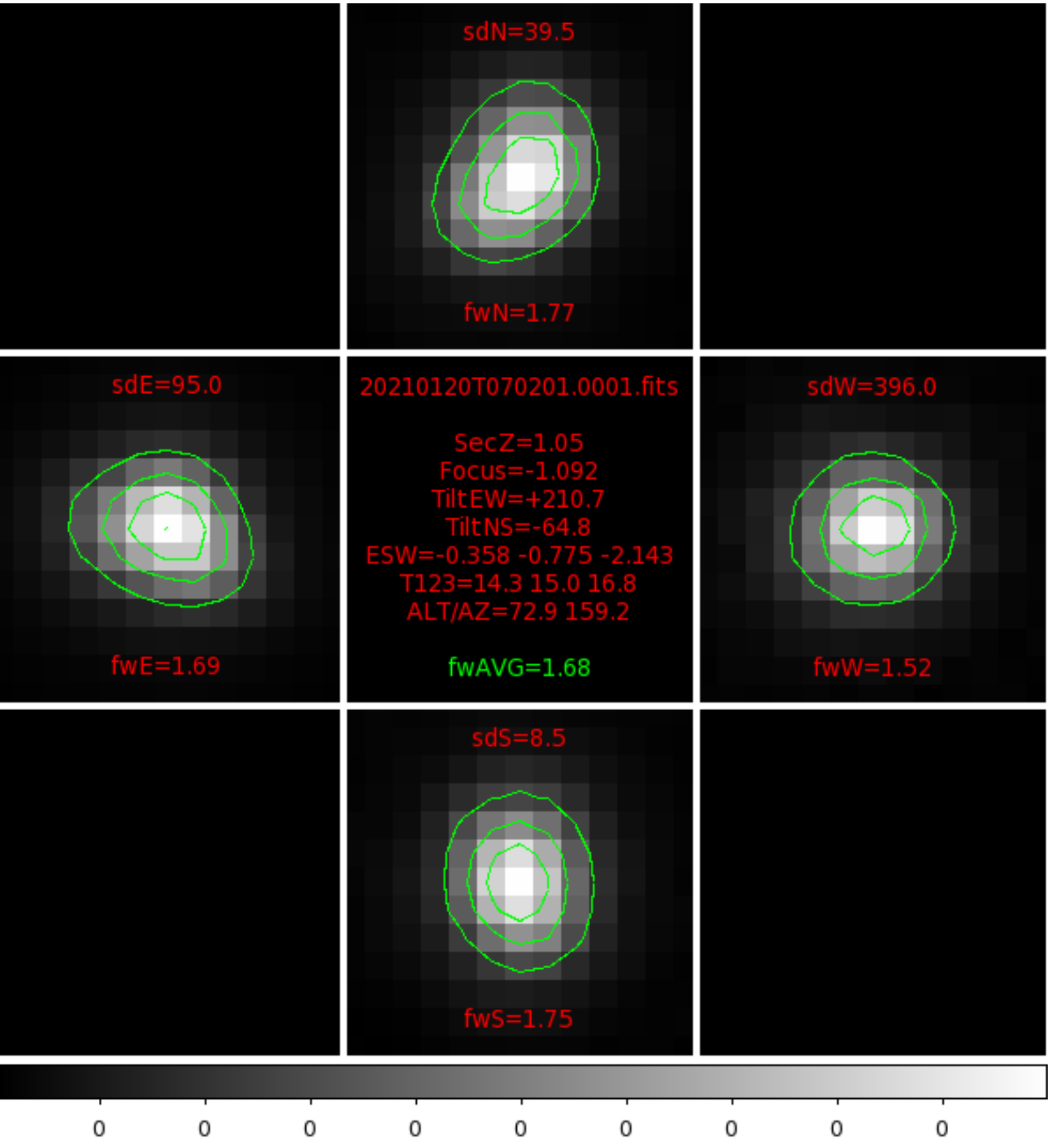
sdN=39.5
fwN=1.77
sdE=95.0
fwE=1.69
20210120T070201.0001.fits
SecZ=1.05
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.8
ALT/AZ=72.9 159.2
fwAVG=1.68
sdW=396.0
fwW=1.52
sdS=8.5
fwS=1.75
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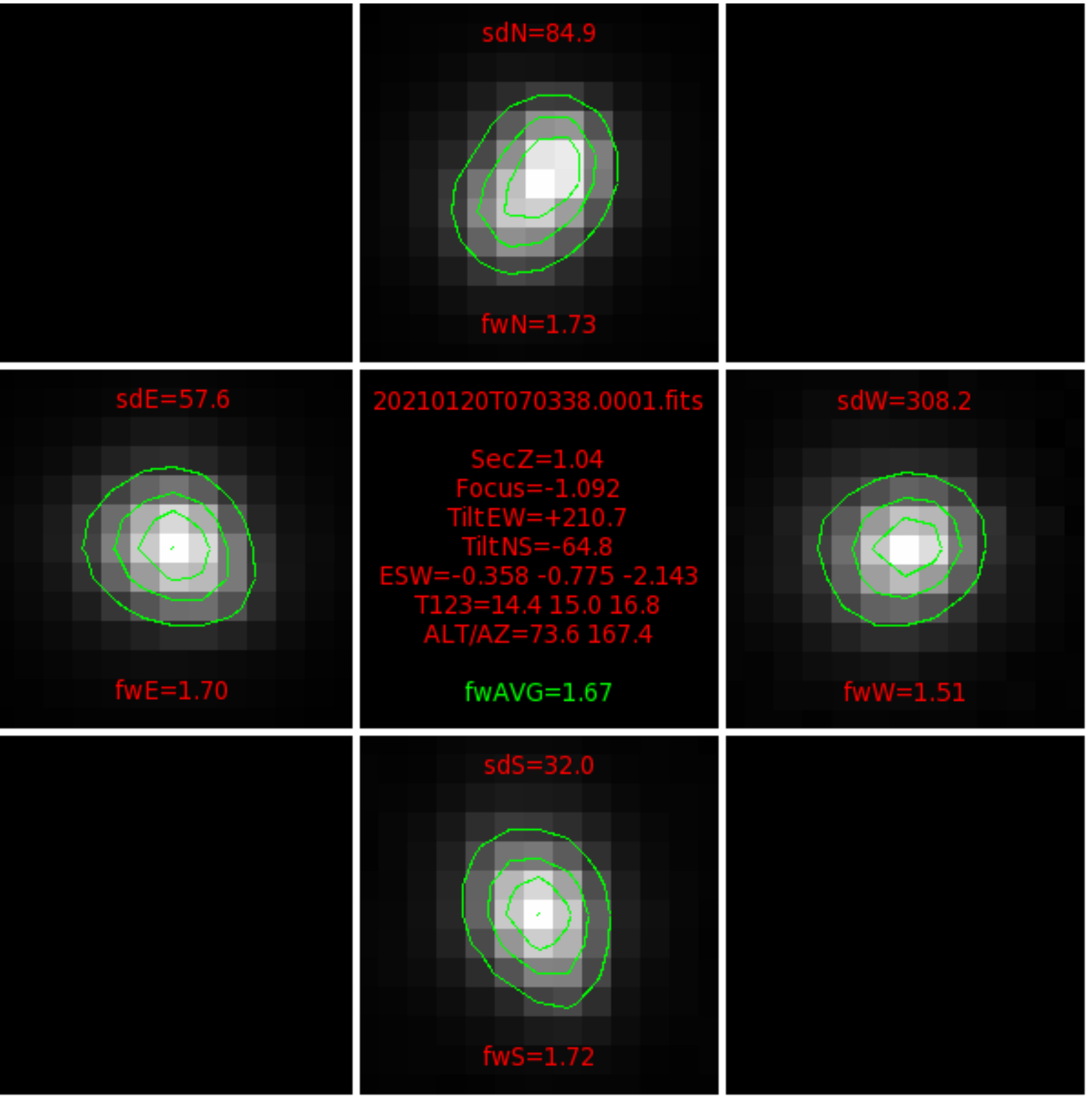
sdN=84.9
fwN=1.73
sdE=57.6
fwE=1.70
20210120T070338.0001.fits
SecZ=1.04
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.4 15.0 16.8
ALT/AZ=73.6 167.4
fwAVG=1.67
sdW=308.2
fwW=1.51
sdS=32.0
fwS=1.72
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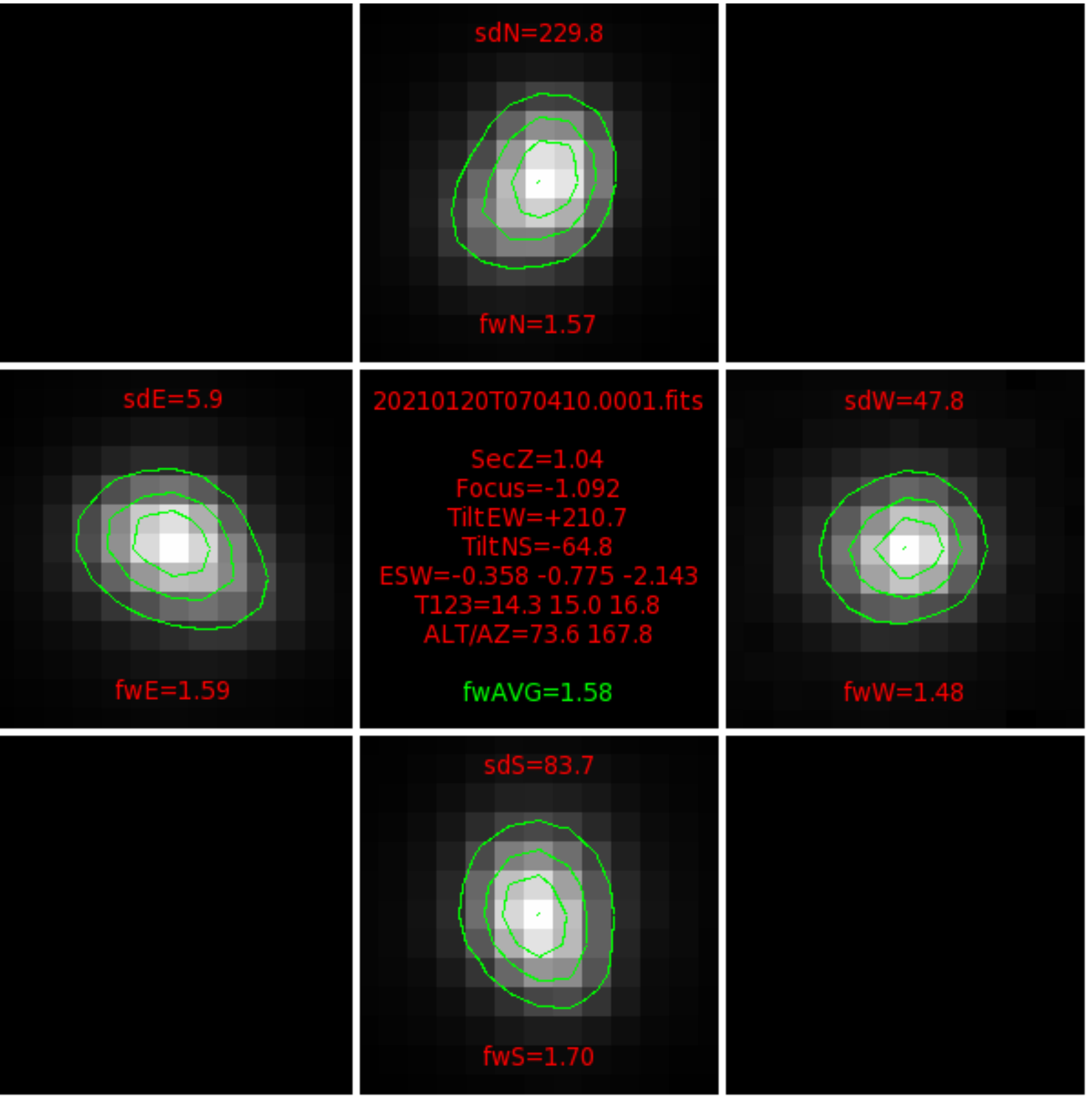
sdN=229.8
fwN=1.57
sdE=5.9
fwE=1.59
20210120T070410.0001.fits
SecZ=1.04
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.8
ALT/AZ=73.6 167.8
fwAVG=1.58
sdW=47.8
fwW=1.48
sdS=83.7
fwS=1.70
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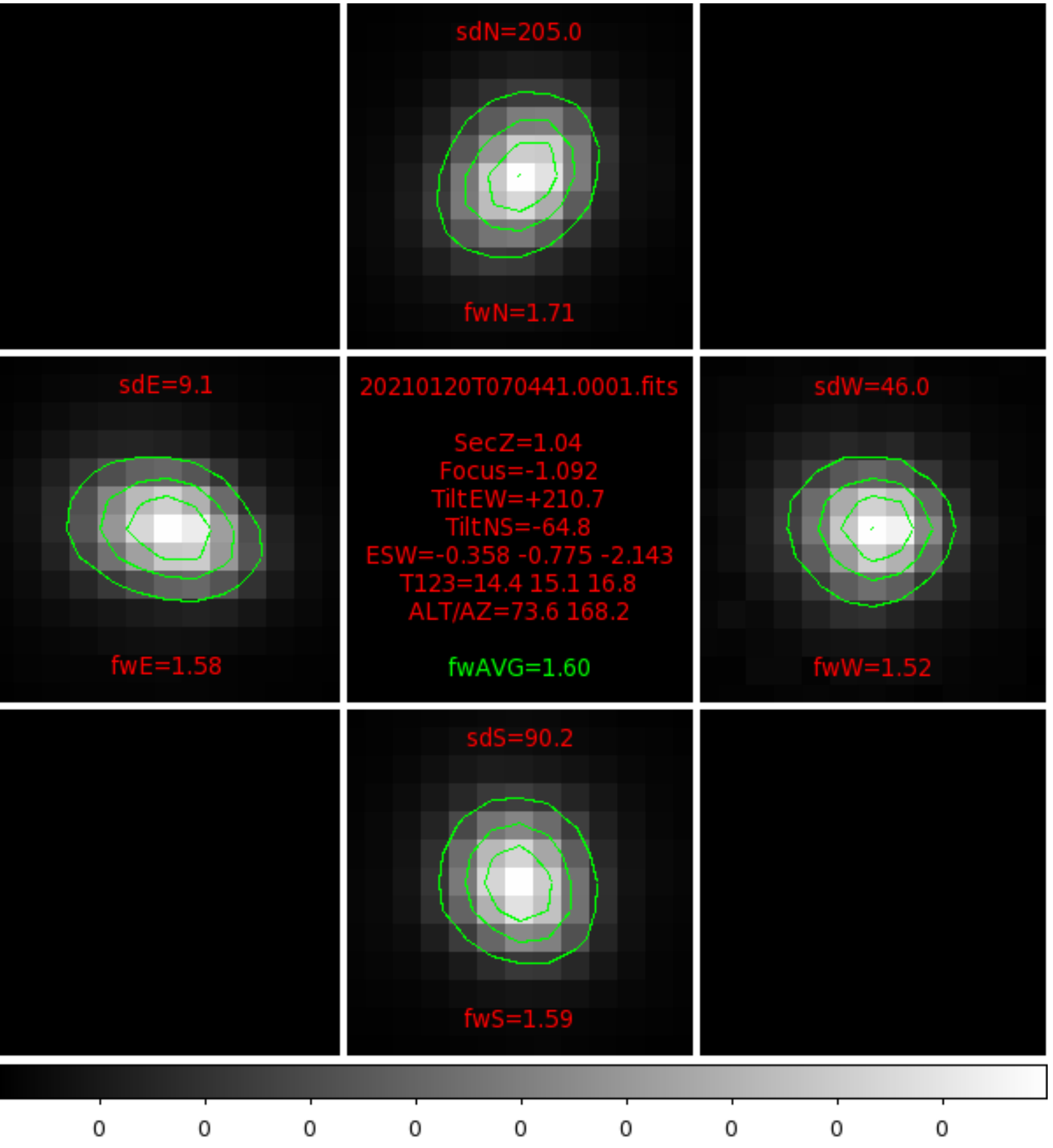
sdN=205.0
fwN=1.71
sdE=9.1
fwE=1.58
20210120T070441.0001.fits
SecZ=1.04
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.4 15.1 16.8
ALT/AZ=73.6 168.2
fwAVG=1.60
sdW=46.0
fwW=1.52
sdS=90.2
fwS=1.59
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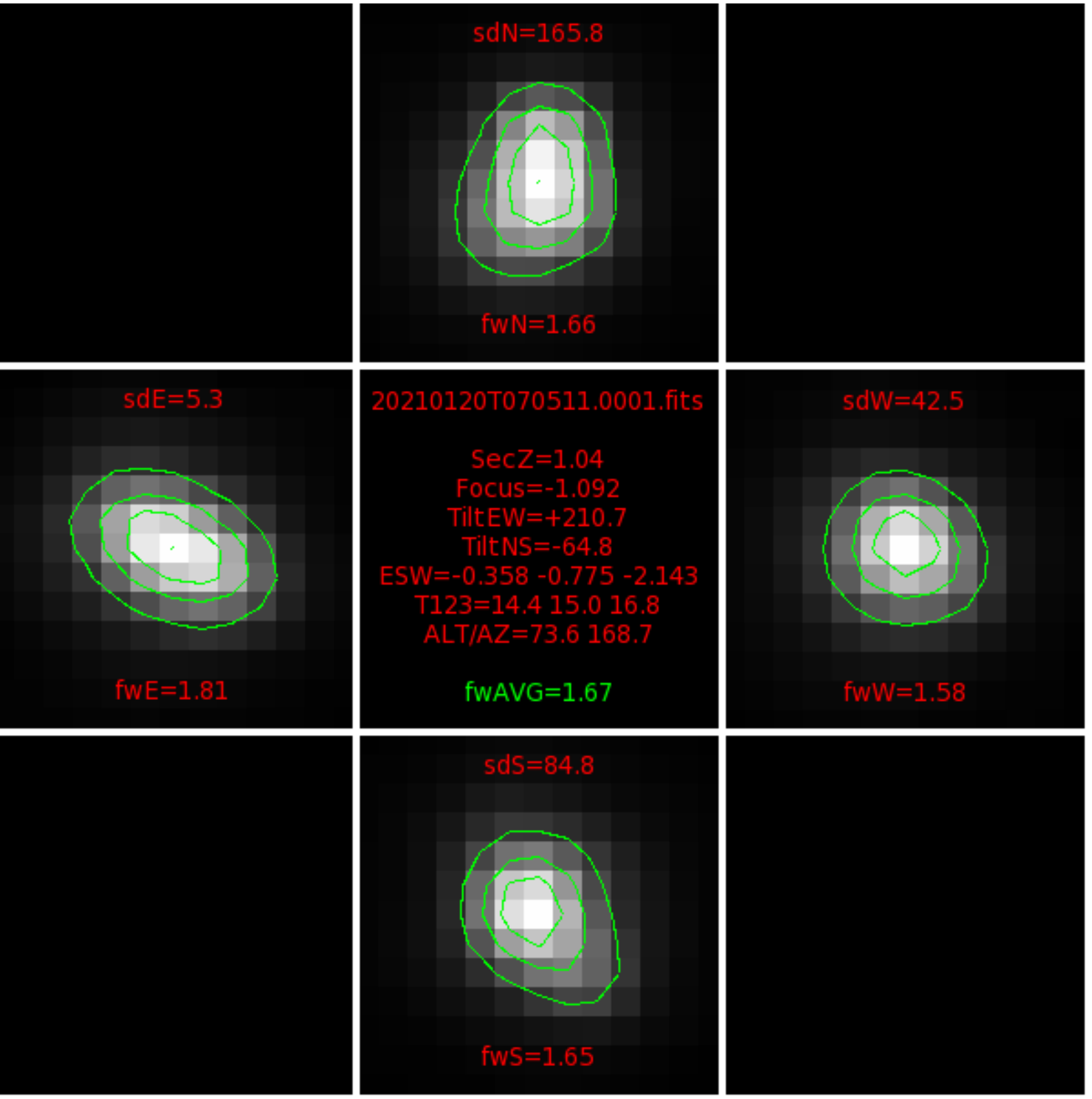
sdN=165.8
fwN=1.66
sdE=5.3
fwE=1.81
20210120T070511.0001.fits
SecZ=1.04
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.4 15.0 16.8
ALT/AZ=73.6 168.7
fwAVG=1.67
sdW=42.5
fwW=1.58
sdS=84.8
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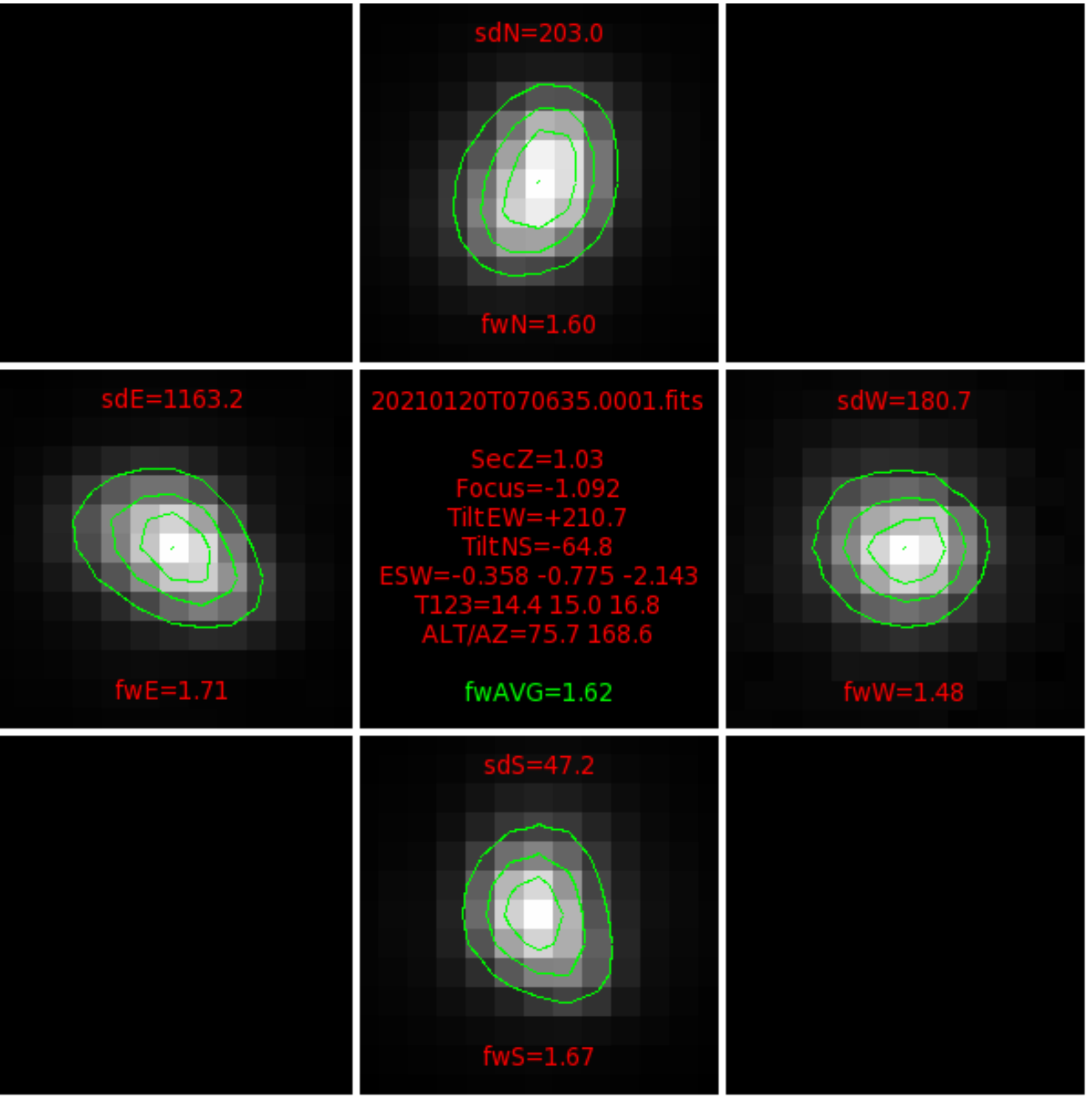
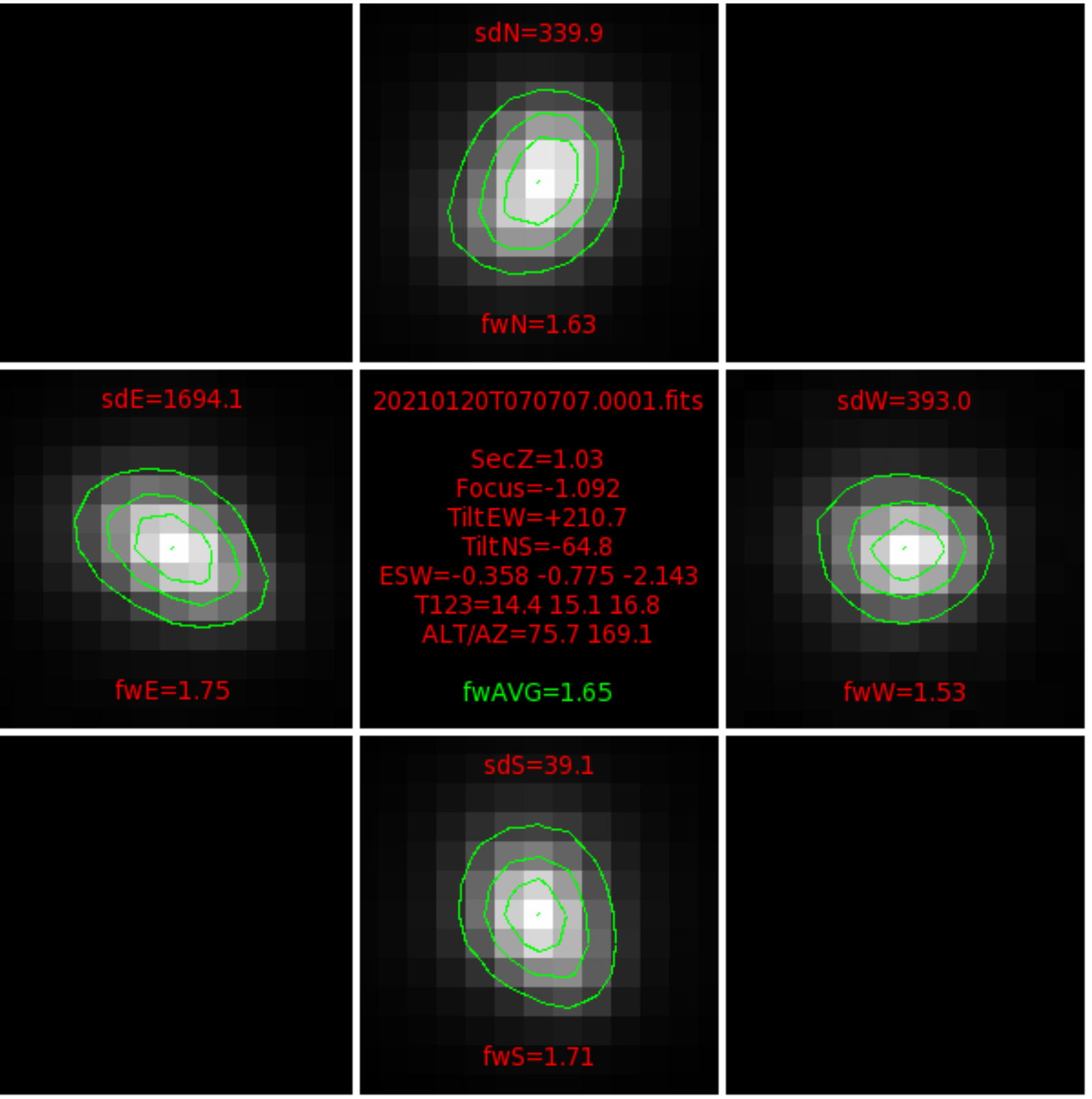

sdN=203.0
fwN=1.60
sdE=1163.2
fwE=1.71
20210120T070635.0001.fits
SecZ=1.03
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.4 15.0 16.8
ALT/AZ=75.7 168.6
fwAVG=1.62
sdW=180.7
fwW=1.48
sdS=47.2
fwS=1.67
0 0 0 0 0 0 0 0 0


sdN=339.9
fwN=1.63
sdE=1694.1
fwE=1.75
20210120T070707.0001.fits
SecZ=1.03
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.4 15.1 16.8
ALT/AZ=75.7 169.1
fwAVG=1.65
sdW=393.0
fwW=1.53
sdS=39.1
fwS=1.71
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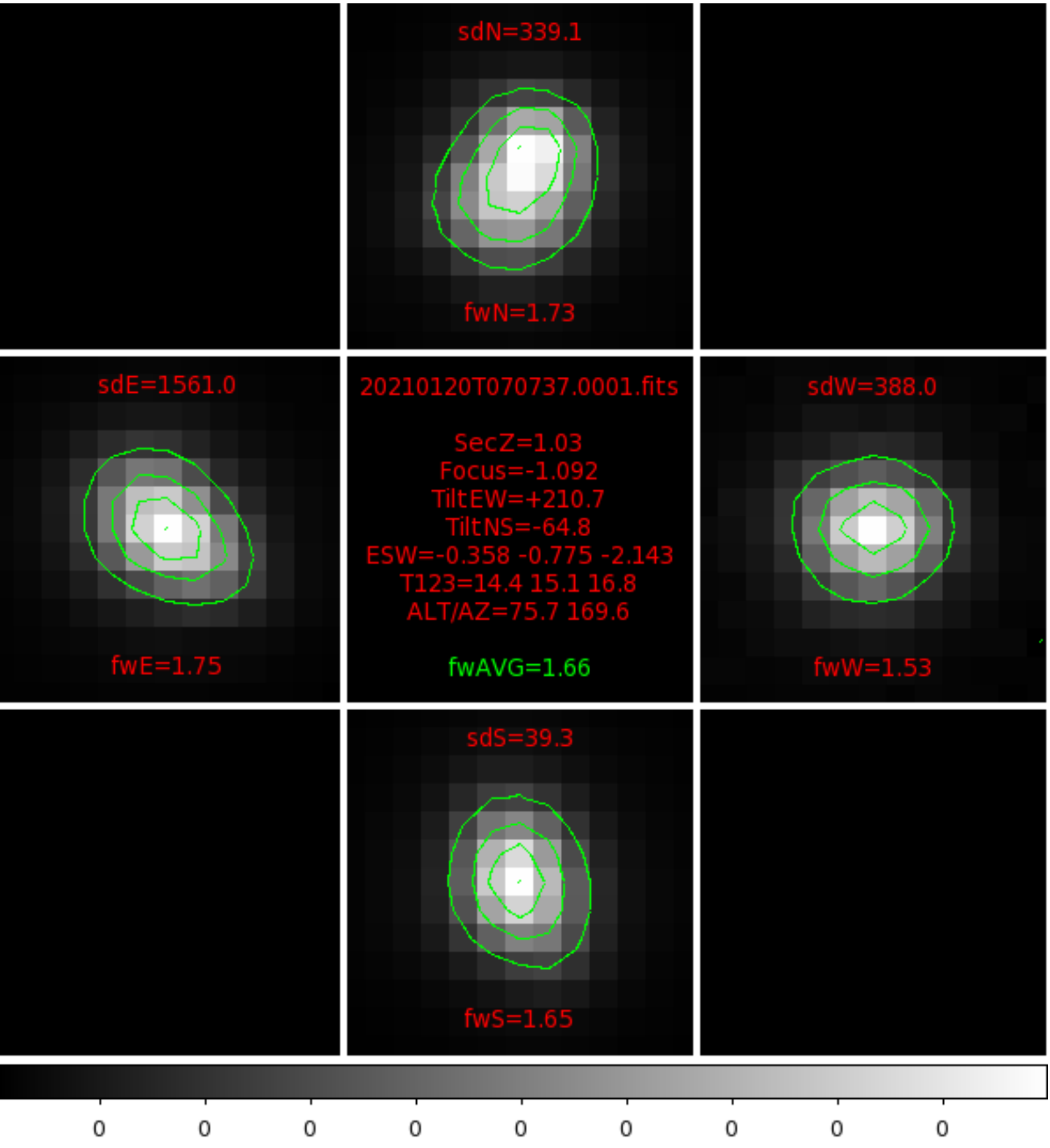
sdN=339.1
fwN=1.73
sdE=1561.0
fwE=1.75
20210120T070737.0001.fits
SecZ=1.03
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.4 15.1 16.8
ALT/AZ=75.7 169.6
fwAVG=1.66
sdW=388.0
fwW=1.53
sdS=39.3
fwS=1.65
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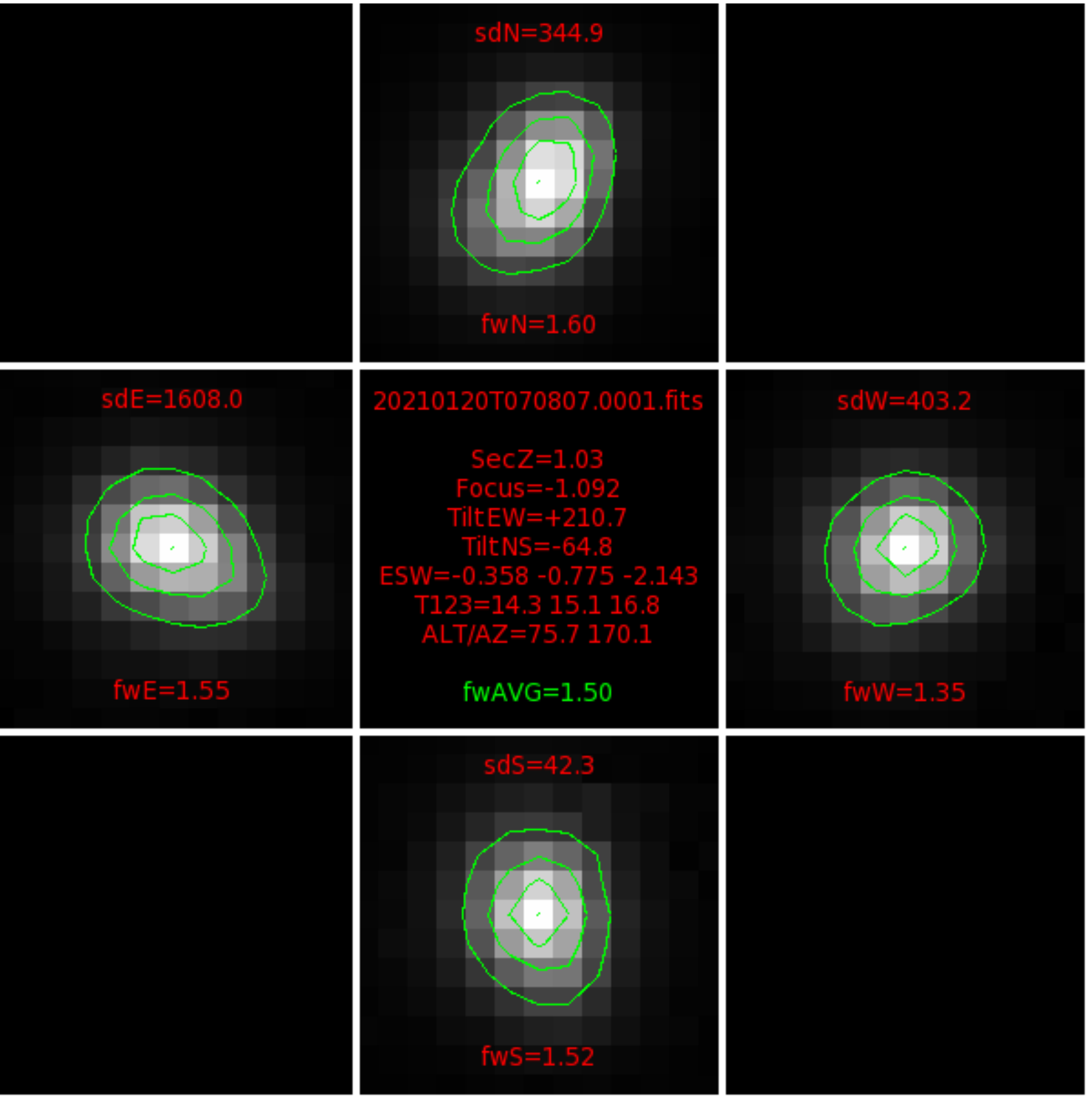
sdN=344.9
fwN=1.60
sdE=1608.0
fwE=1.55
20210120T070807.0001.fits
SecZ=1.03
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.1 16.8
ALT/AZ=75.7 170.1
fwAVG=1.50
sdW=403.2
fwW=1.35
sdS=42.3
fwS=1.52
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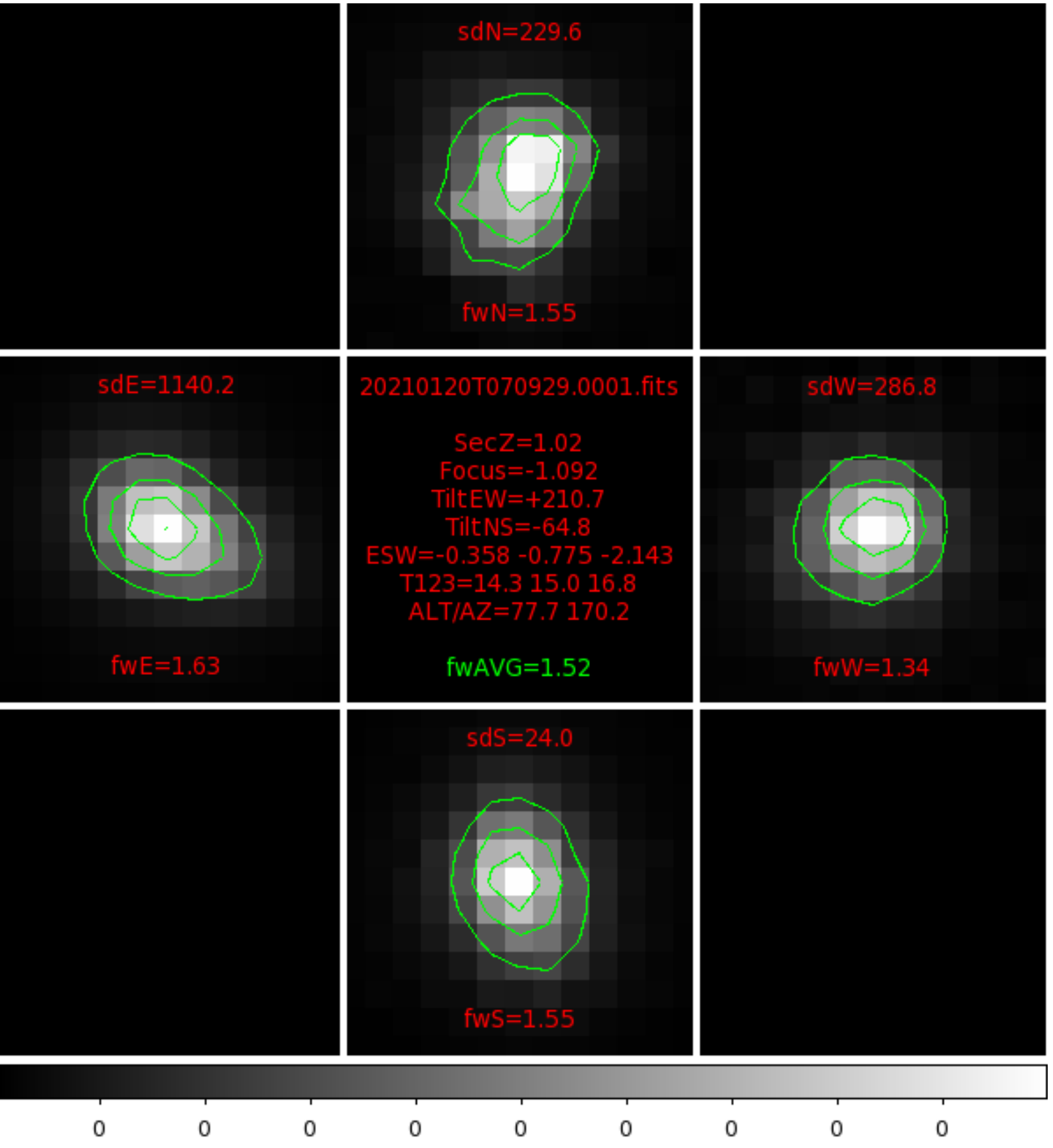
sdN=229.6
fwN=1.55
sdE=1140.2
fwE=1.63
20210120T070929.0001.fits
SecZ=1.02
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.8
ALT/AZ=77.7 170.2
fwAVG=1.52
sdW=286.8
fwW=1.34
sdS=24.0
fwS=1.55
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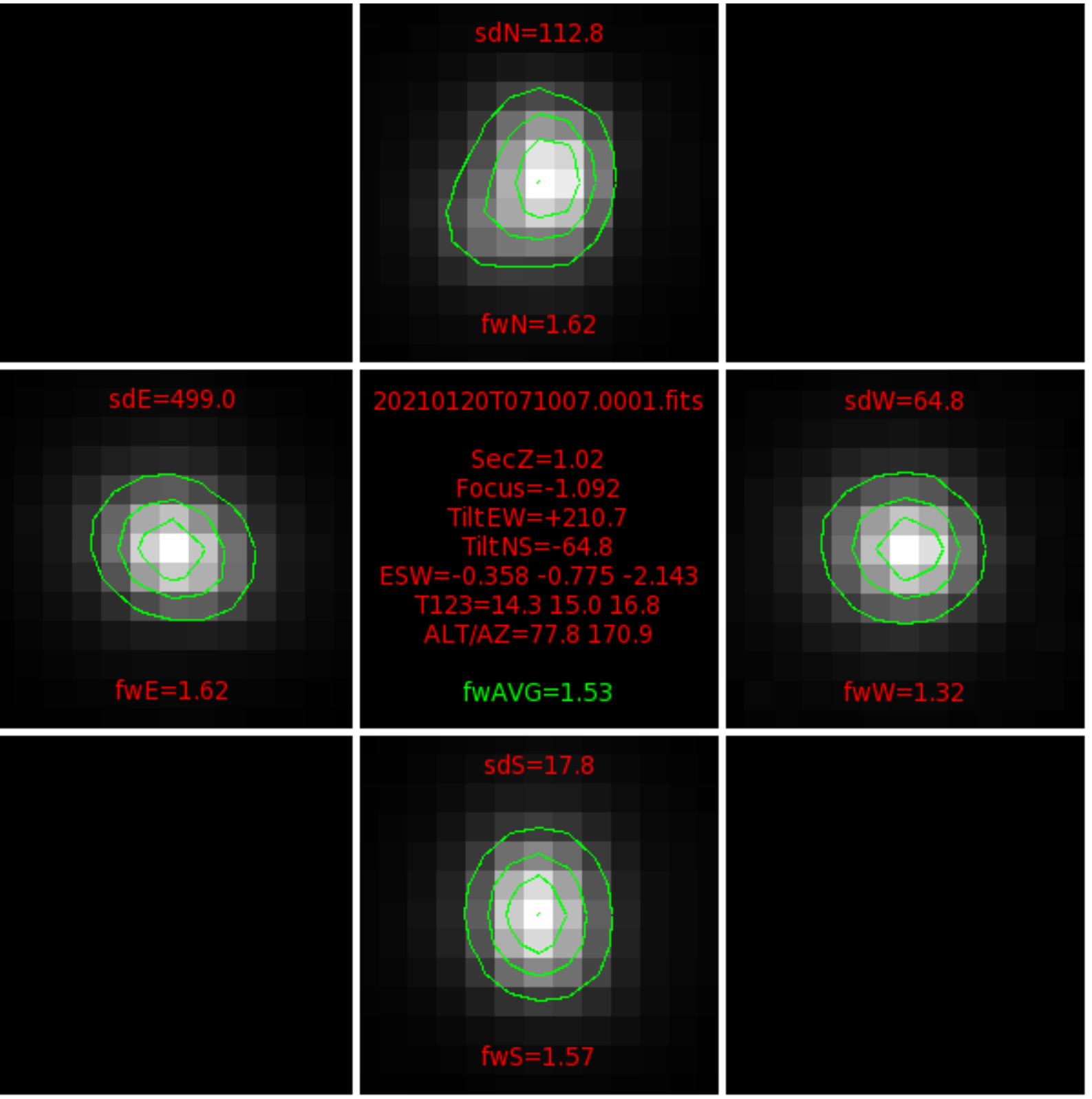
sdN=112.8
fwN=1.62
sdE=499.0
fwE=1.62
20210120T071007.0001.fits
SecZ=1.02
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.8
ALT/AZ=77.8 170.9
fwAVG=1.53
sdW=64.8
fwW=1.32
sdS=17.8
fwS=1.57
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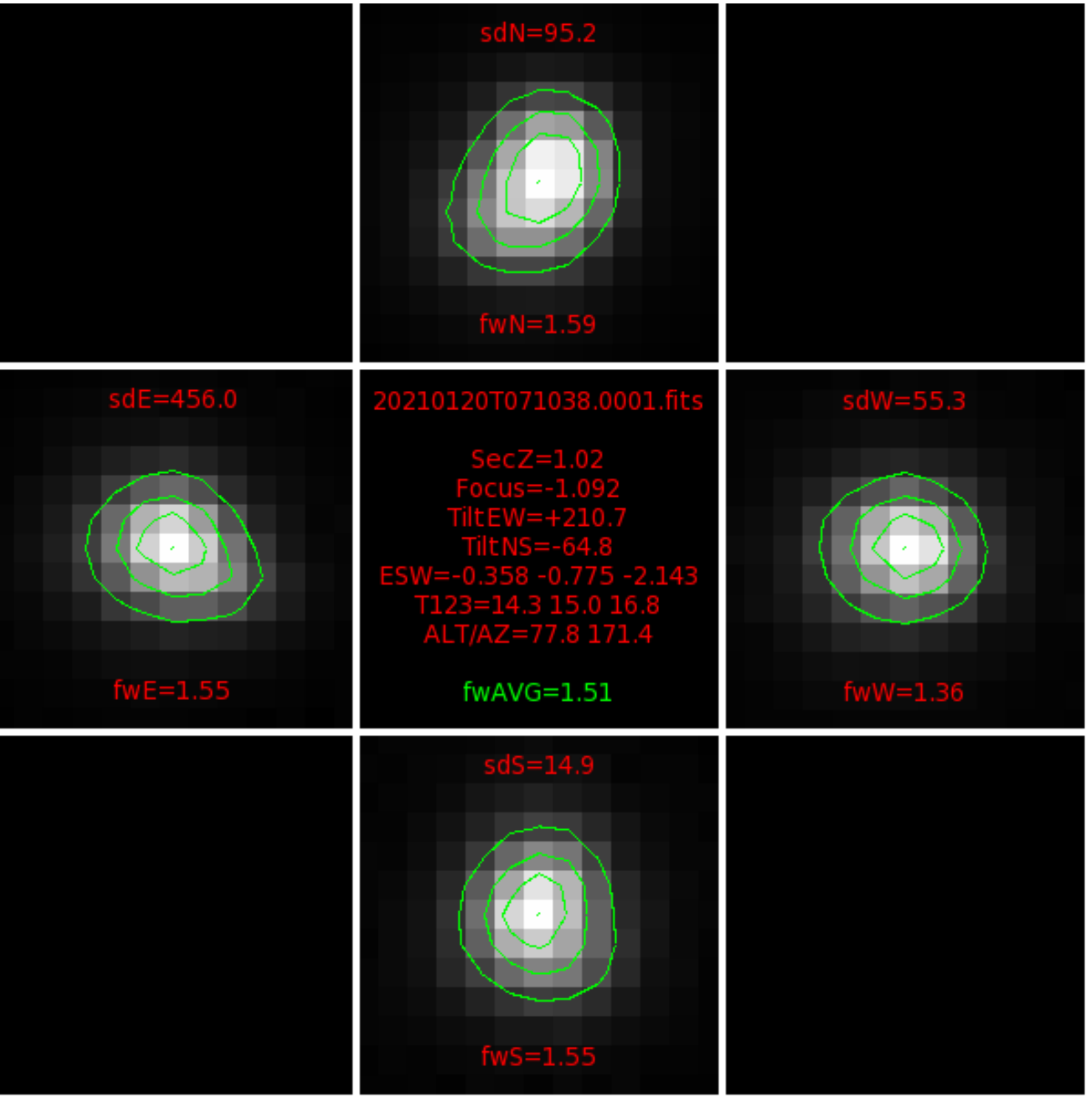
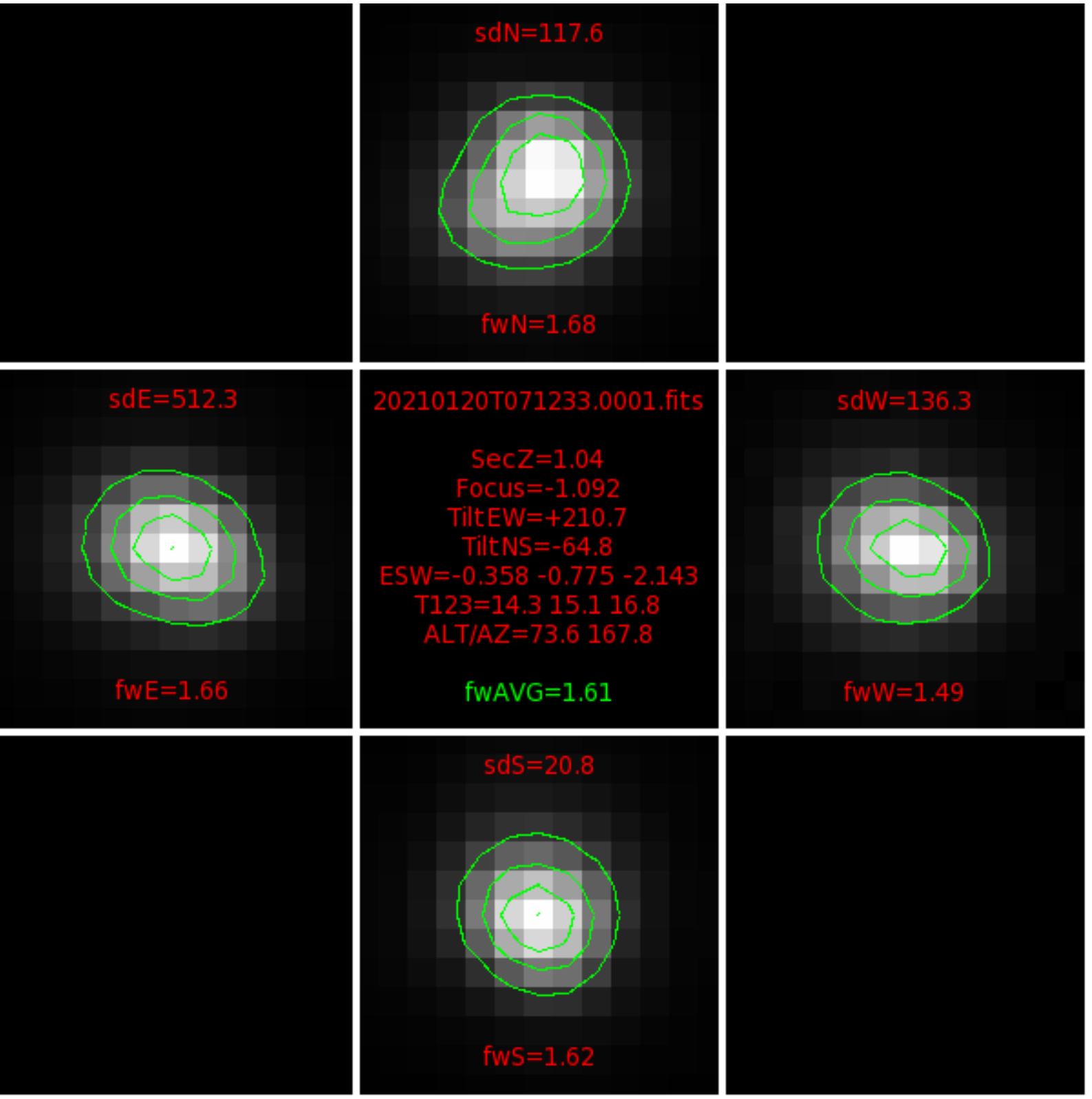

sdN=95.2
fwN=1.59
sdE=456.0
fwE=1.55
20210120T071038.0001.fits
SecZ=1.02
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.8
ALT/AZ=77.8 171.4
fwAVG=1.51
sdW=55.3
fwW=1.36
sdS=14.9
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=117.6
fwN=1.68
sdE=512.3
fwE=1.66
20210120T071233.0001.fits
SecZ=1.04
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.1 16.8
ALT/AZ=73.6 167.8
fwAVG=1.61
sdW=136.3
fwW=1.49
sdS=20.8
fwS=1.62
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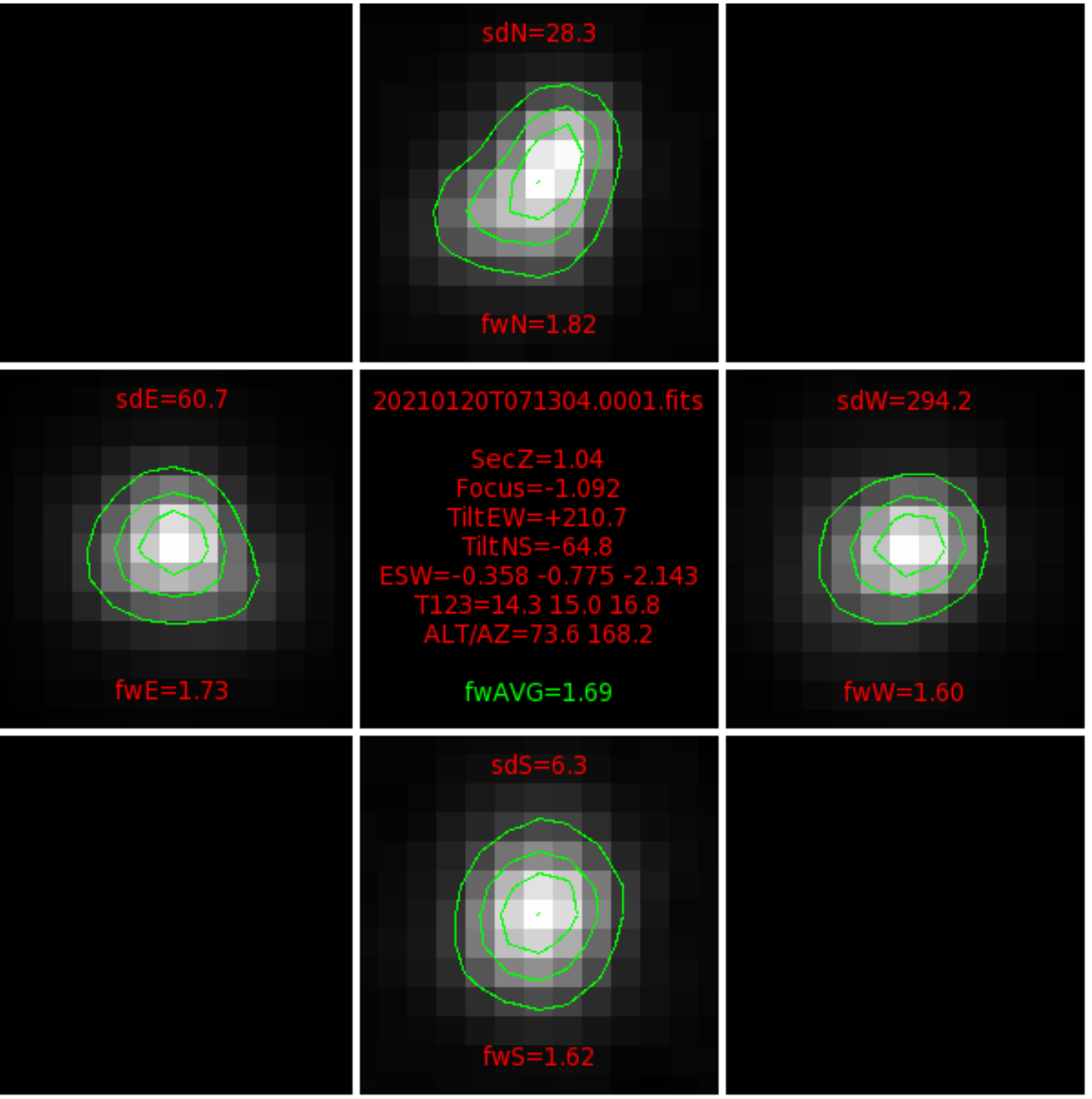
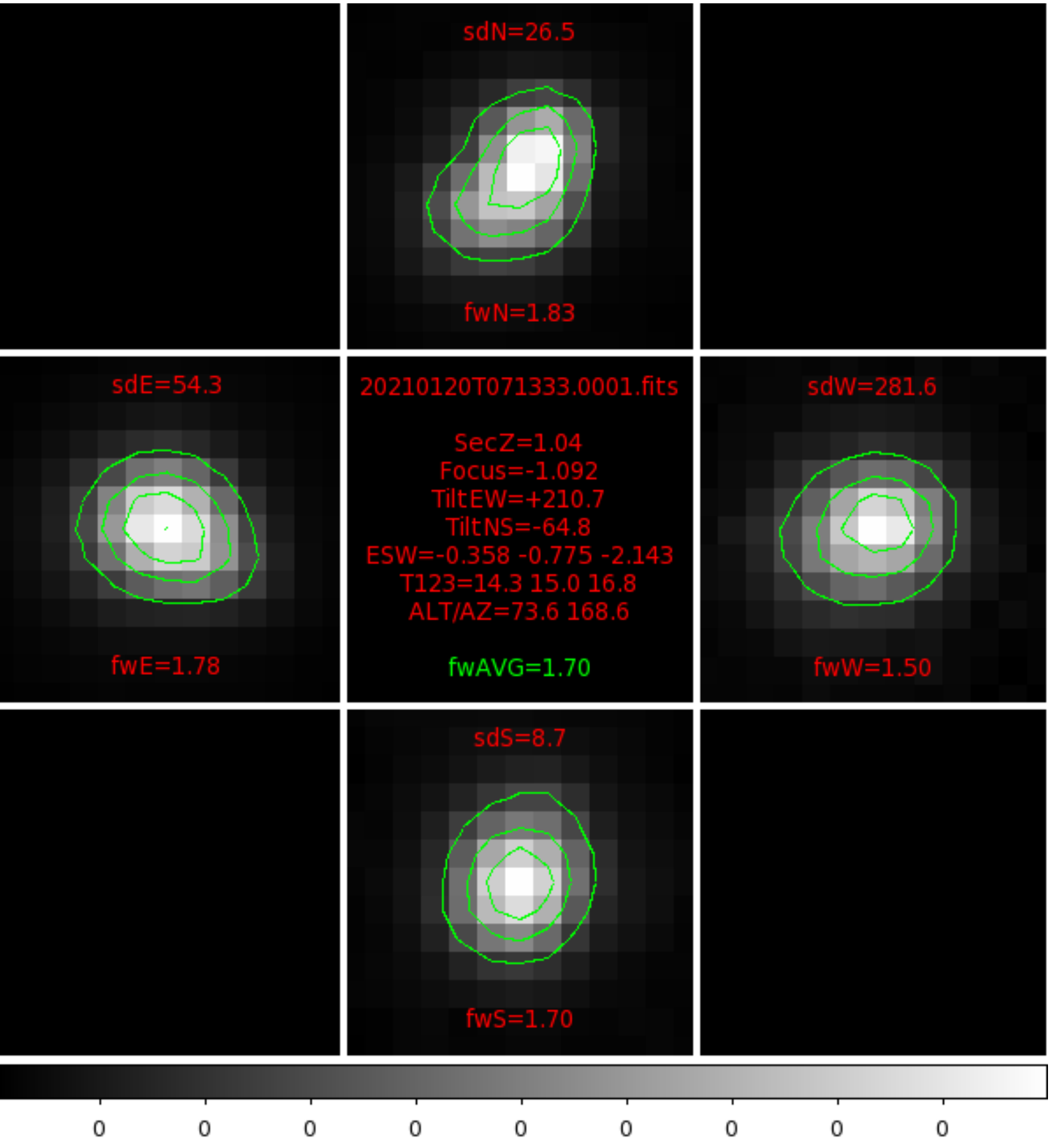

sdN=28.3
fwN=1.82
sdE=60.7
fwE=1.73
20210120T071304.0001.fits
SecZ=1.04
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.8
ALT/AZ=73.6 168.2
fwAVG=1.69
sdW=294.2
fwW=1.60
sdS=6.3
fwS=1.62
0 0 0 0 0 0 0 0 0


sdN=26.5
fwN=1.83
sdE=54.3
fwE=1.78
20210120T071333.0001.fits
SecZ=1.04
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.8
ALT/AZ=73.6 168.6
fwAVG=1.70
sdW=281.6
fwW=1.50
sdS=8.7
fwS=1.70
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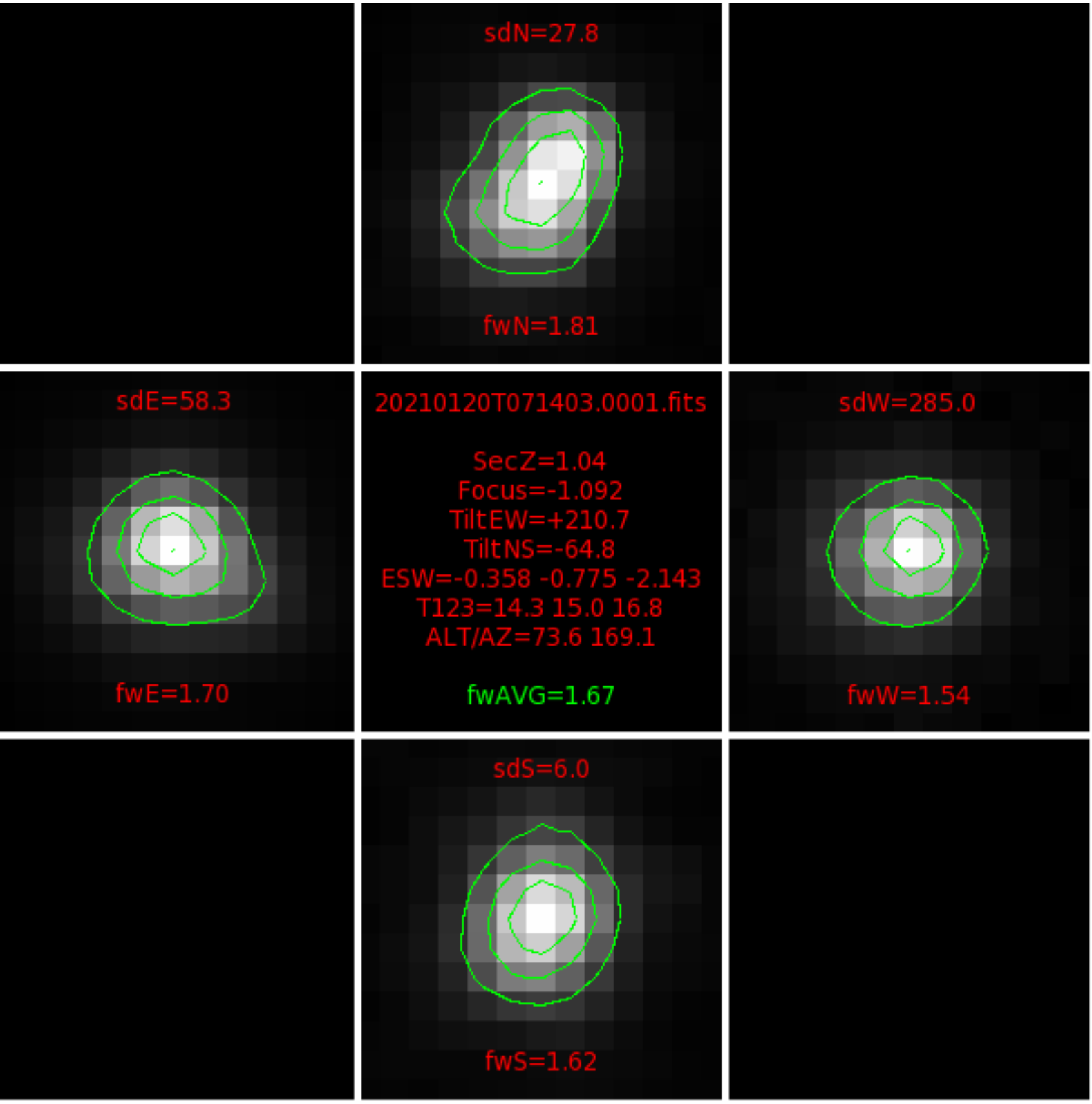
sdN=27.8
fwN=1.81
sdE=58.3
fwE=1.70
20210120T071403.0001.fits
SecZ=1.04
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.8
ALT/AZ=73.6 169.1
fwAVG=1.67
sdW=285.0
fwW=1.54
sdS=6.0
fwS=1.62
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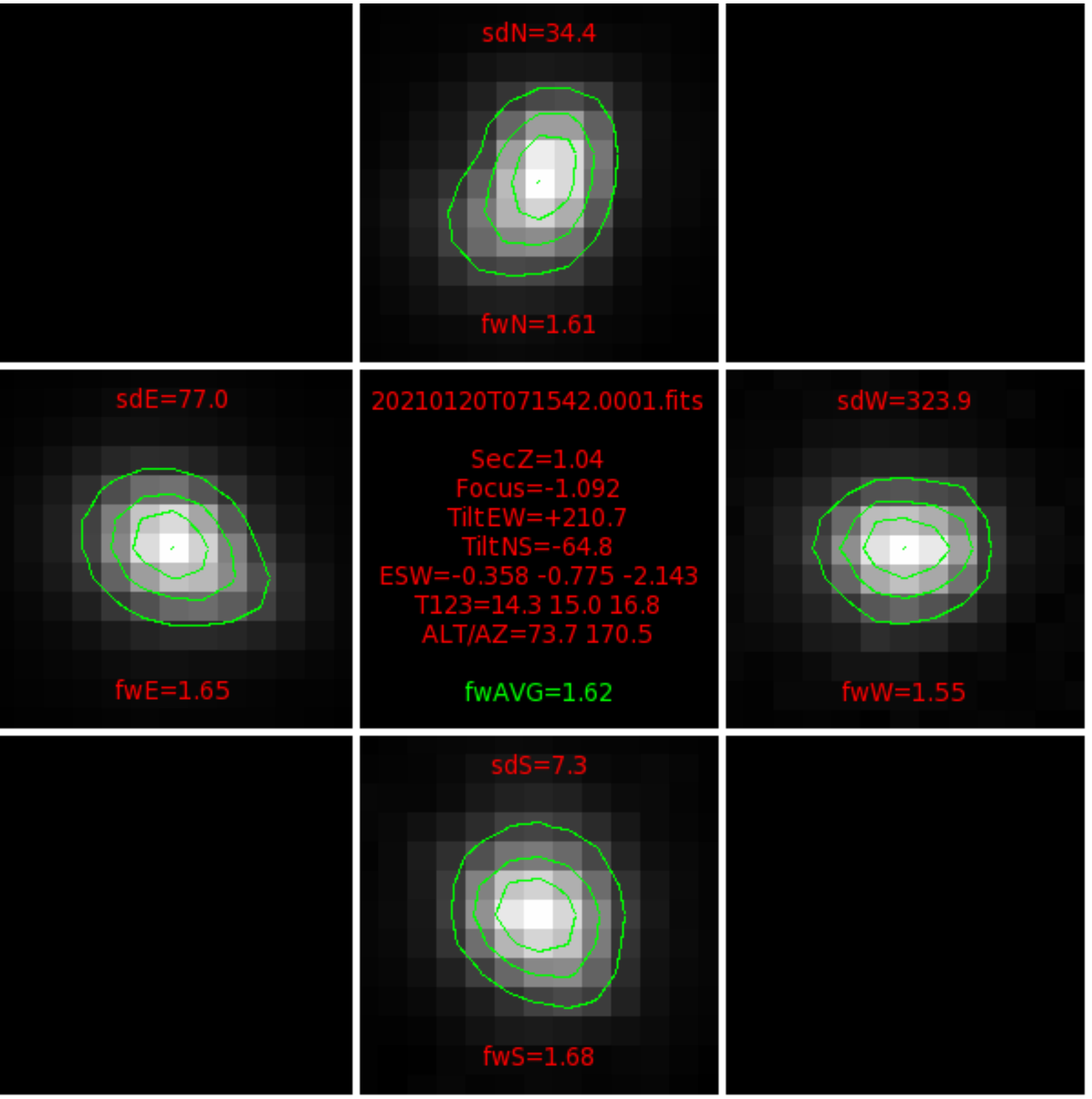
sdN=34.4
fwN=1.61
sdE=77.0
fwE=1.65
20210120T071542.0001.fits
SecZ=1.04
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.8
ALT/AZ=73.7 170.5
fwAVG=1.62
sdW=323.9
fwW=1.55
sdS=7.3
fwS=1.68
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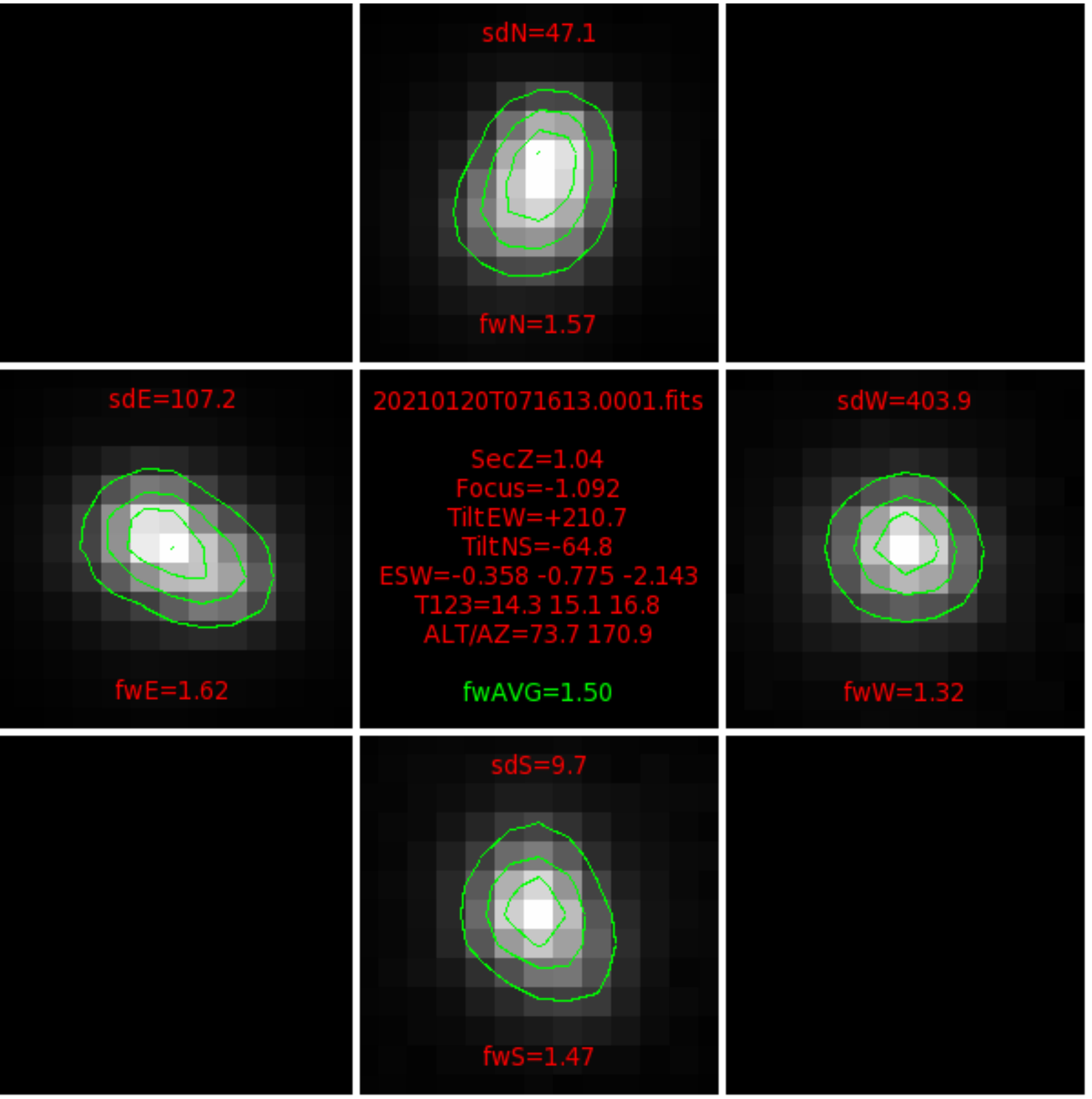
sdN=47.1
fwN=1.57
sdE=107.2
fwE=1.62
20210120T071613.0001.fits
SecZ=1.04
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.1 16.8
ALT/AZ=73.7 170.9
fwAVG=1.50
sdW=403.9
fwW=1.32
sdS=9.7
fwS=1.47
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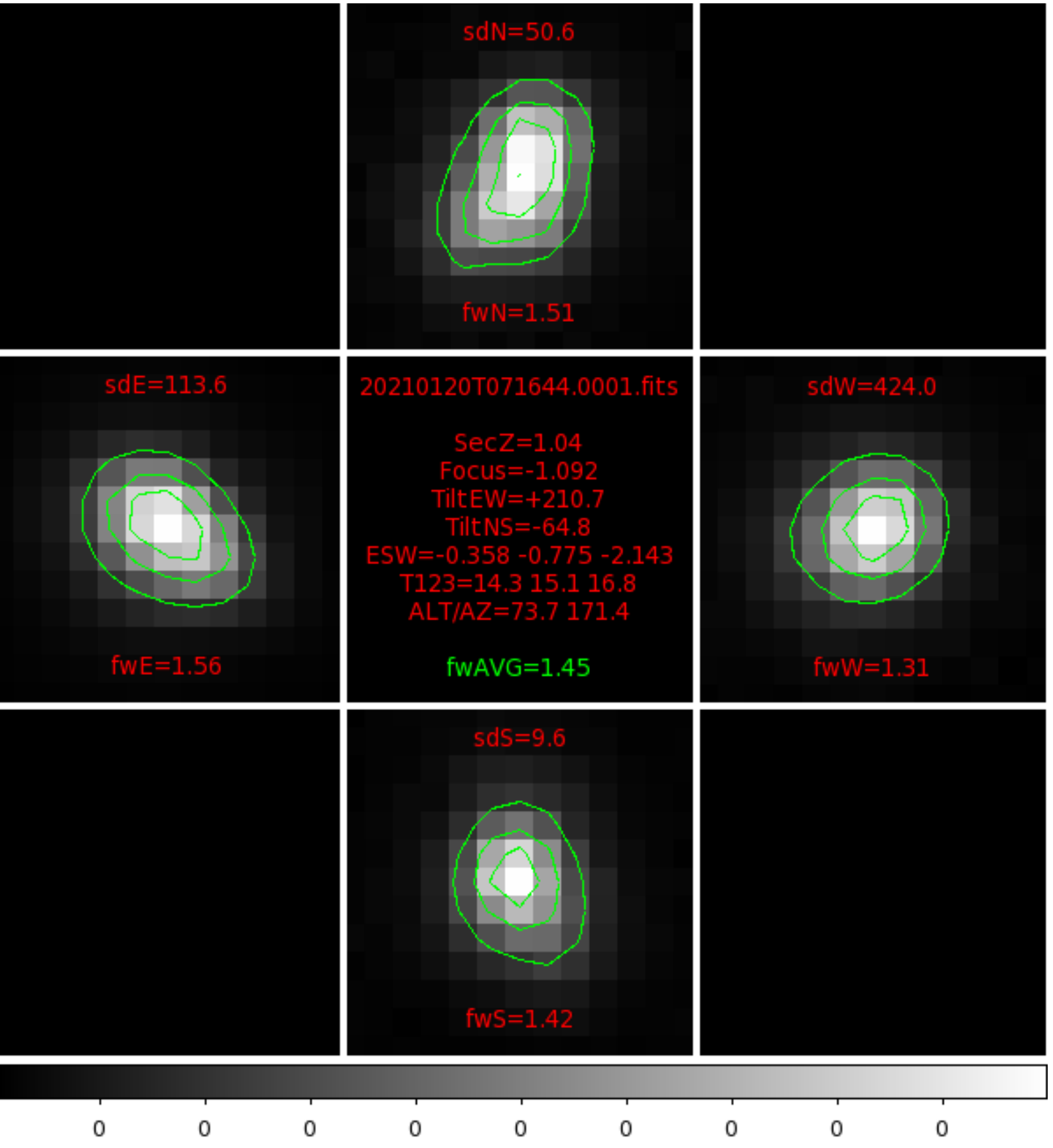
sdN=50.6
fwN=1.51
sdE=113.6
fwE=1.56
20210120T071644.0001.fits
SecZ=1.04
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.1 16.8
ALT/AZ=73.7 171.4
fwAVG=1.45
sdW=424.0
fwW=1.31
sdS=9.6
fwS=1.42
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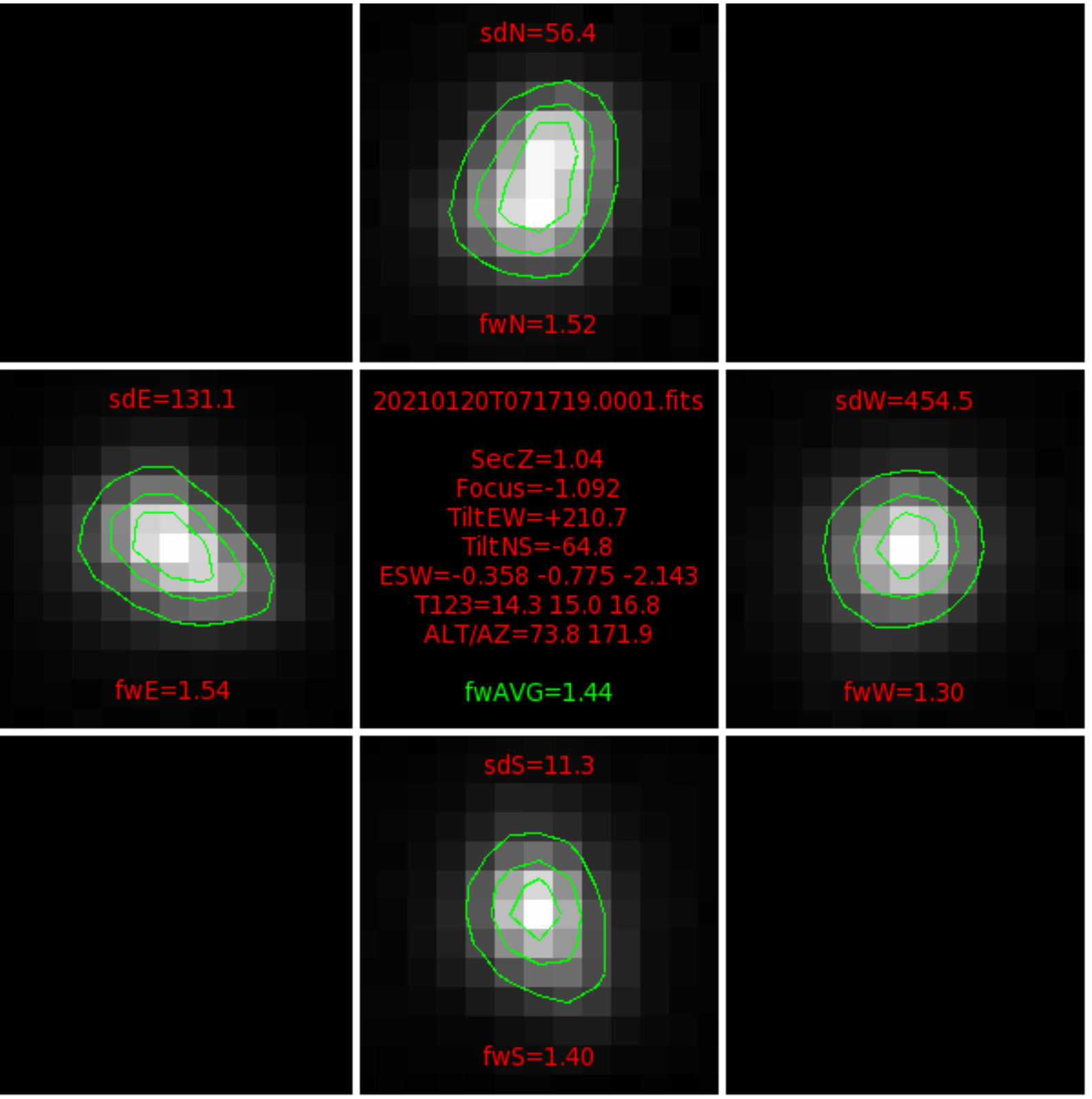
sdN=56.4
fwN=1.52
sdE=131.1
fwE=1.54
20210120T071719.0001.fits
SecZ=1.04
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.8
ALT/AZ=73.8 171.9
fwAVG=1.44
sdW=454.5
fwW=1.30
sdS=11.3
fwS=1.40
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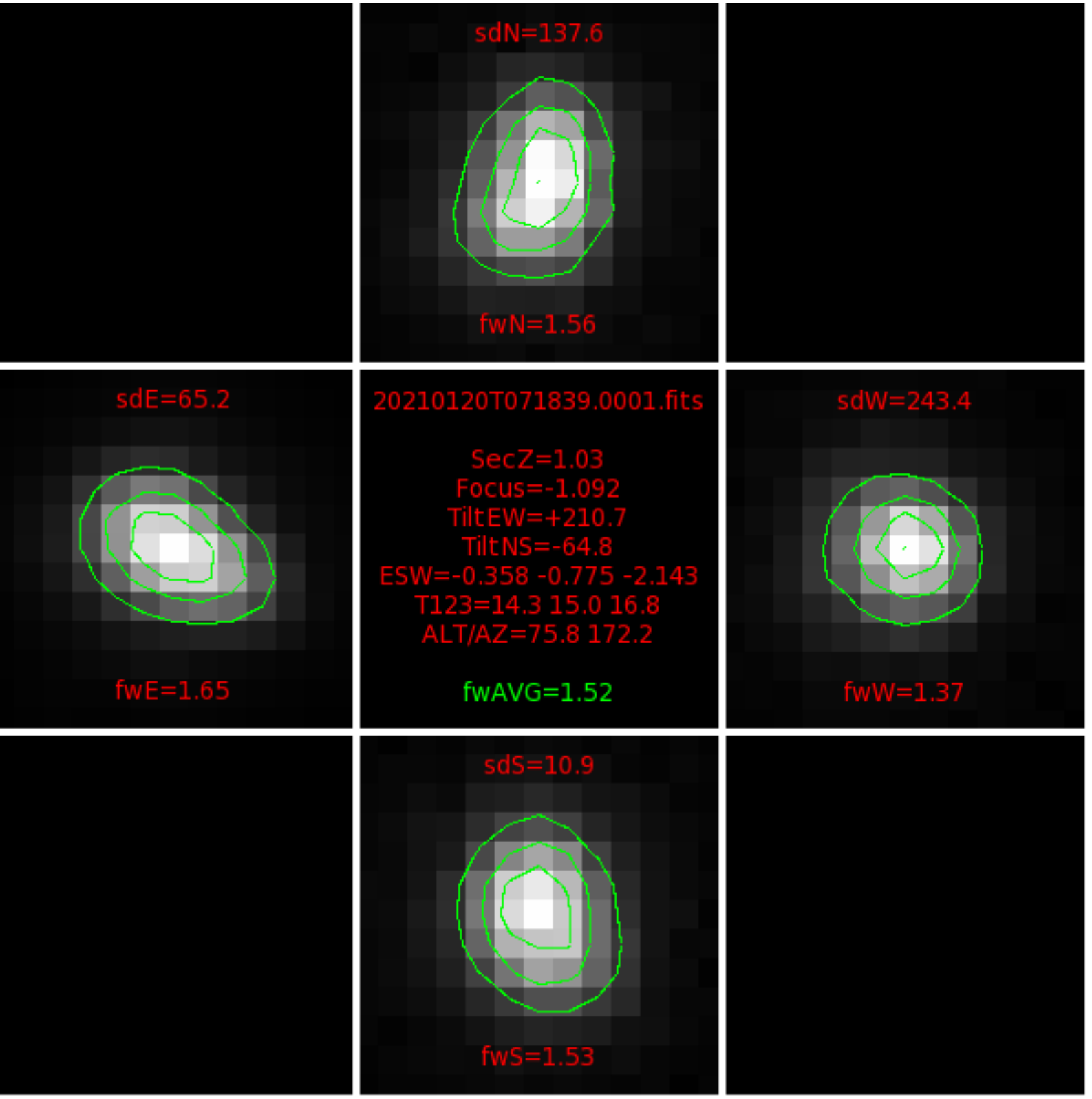
sdN=137.6
fwN=1.56
sdE=65.2
fwE=1.65
20210120T071839.0001.fits
SecZ=1.03
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.8
ALT/AZ=75.8 172.2
fwAVG=1.52
sdW=243.4
fwW=1.37
sdS=10.9
fwS=1.53
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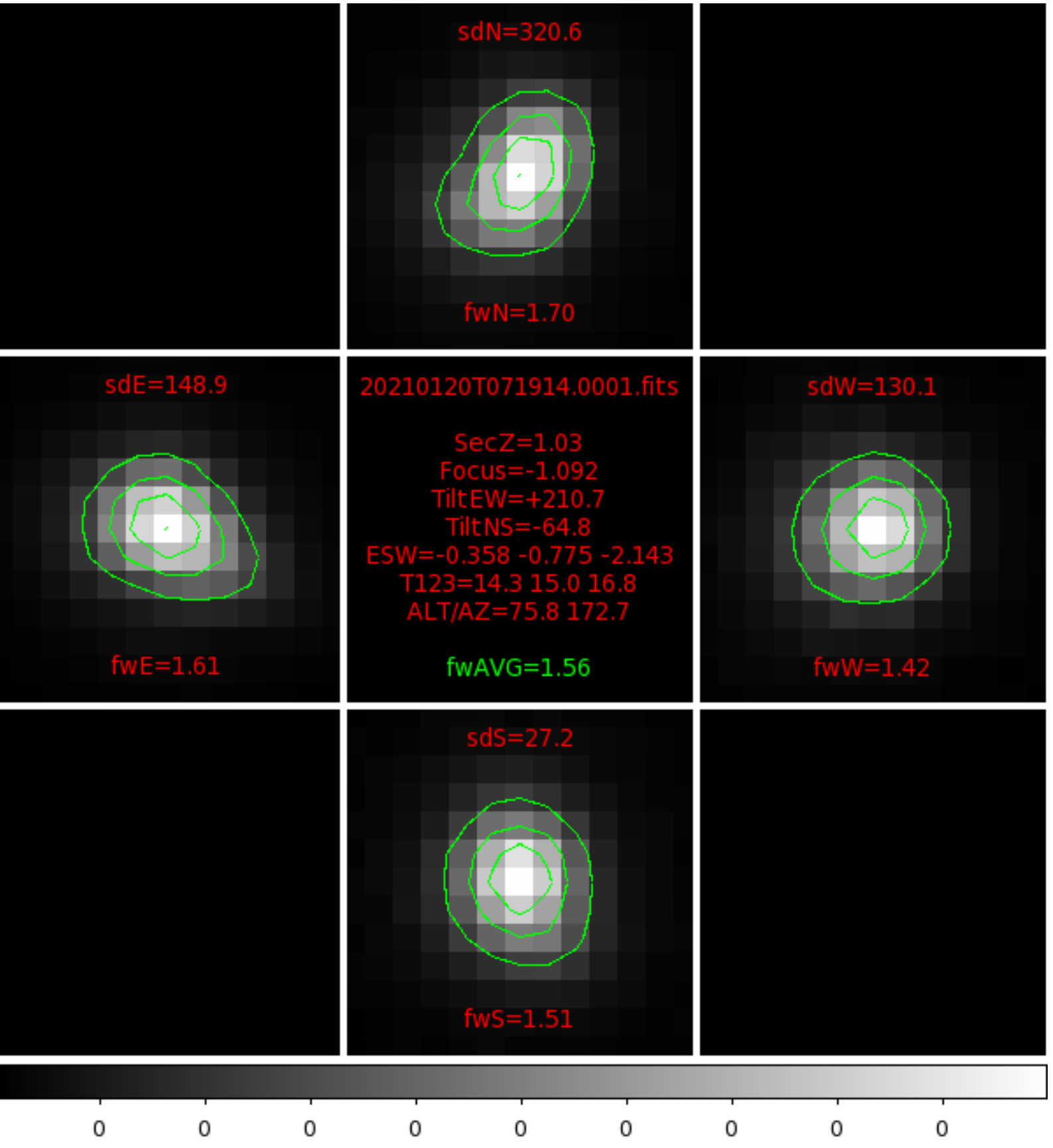
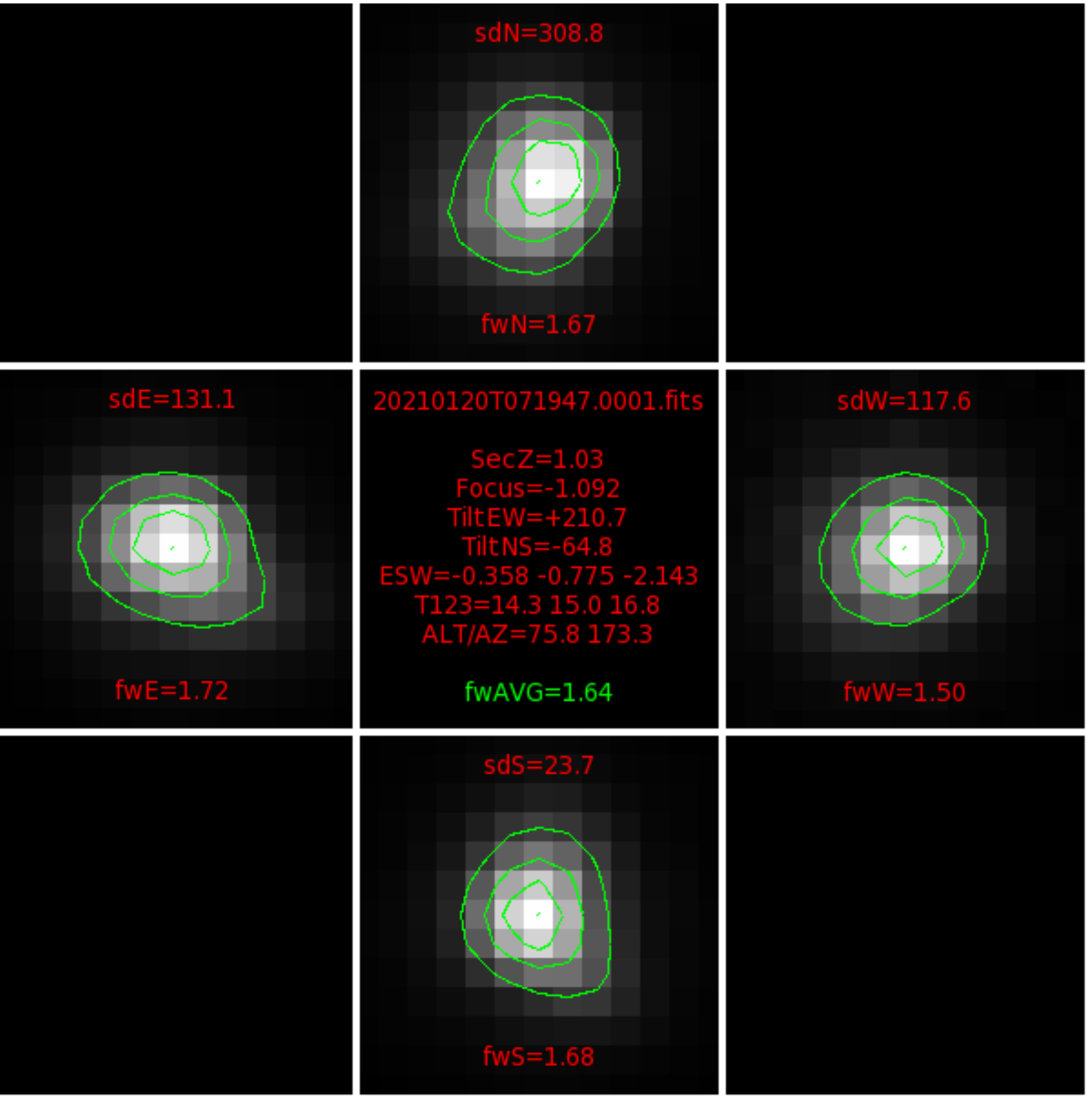

sdN=320.6
fwN=1.70
sdE=148.9
fwE=1.61
20210120T071914.0001.fits
SecZ=1.03
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.8
ALT/AZ=75.8 172.7
fwAVG=1.56
sdW=130.1
fwW=1.42
sdS=27.2
fwS=1.51
0 0 0 0 0 0 0 0 0


sdN=308.8
fwN=1.67
sdE=131.1
fwE=1.72
20210120T071947.0001.fits
SecZ=1.03
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.8
ALT/AZ=75.8 173.3
fwAVG=1.64
sdW=117.6
fwW=1.50
sdS=23.7
fwS=1.68
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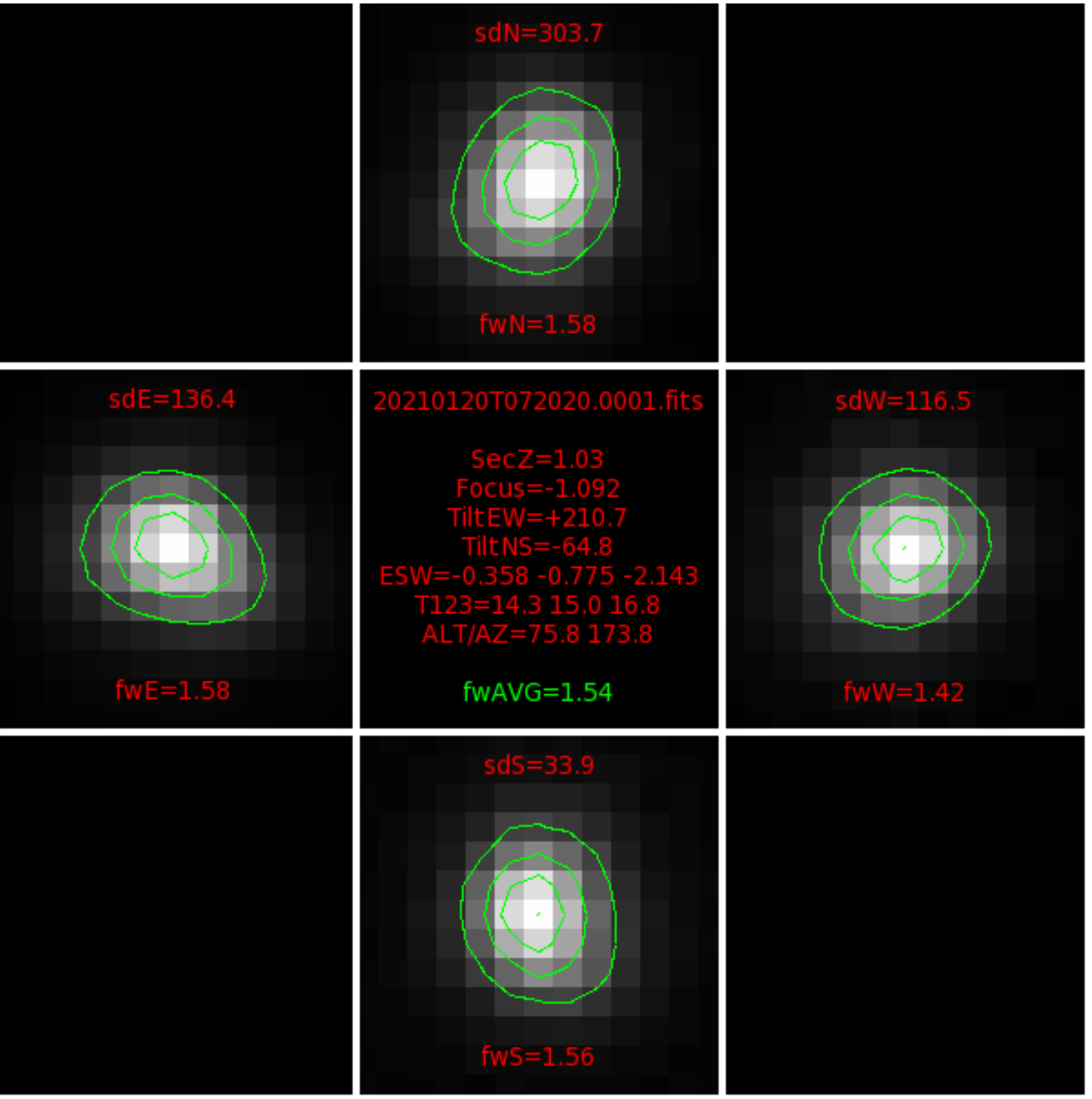
sdN=303.7
fwN=1.58
sdE=136.4
fwE=1.58
20210120T072020.0001.fits
SecZ=1.03
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.8
ALT/AZ=75.8 173.8
fwAVG=1.54
sdW=116.5
fwW=1.42
sdS=33.9
fwS=1.56
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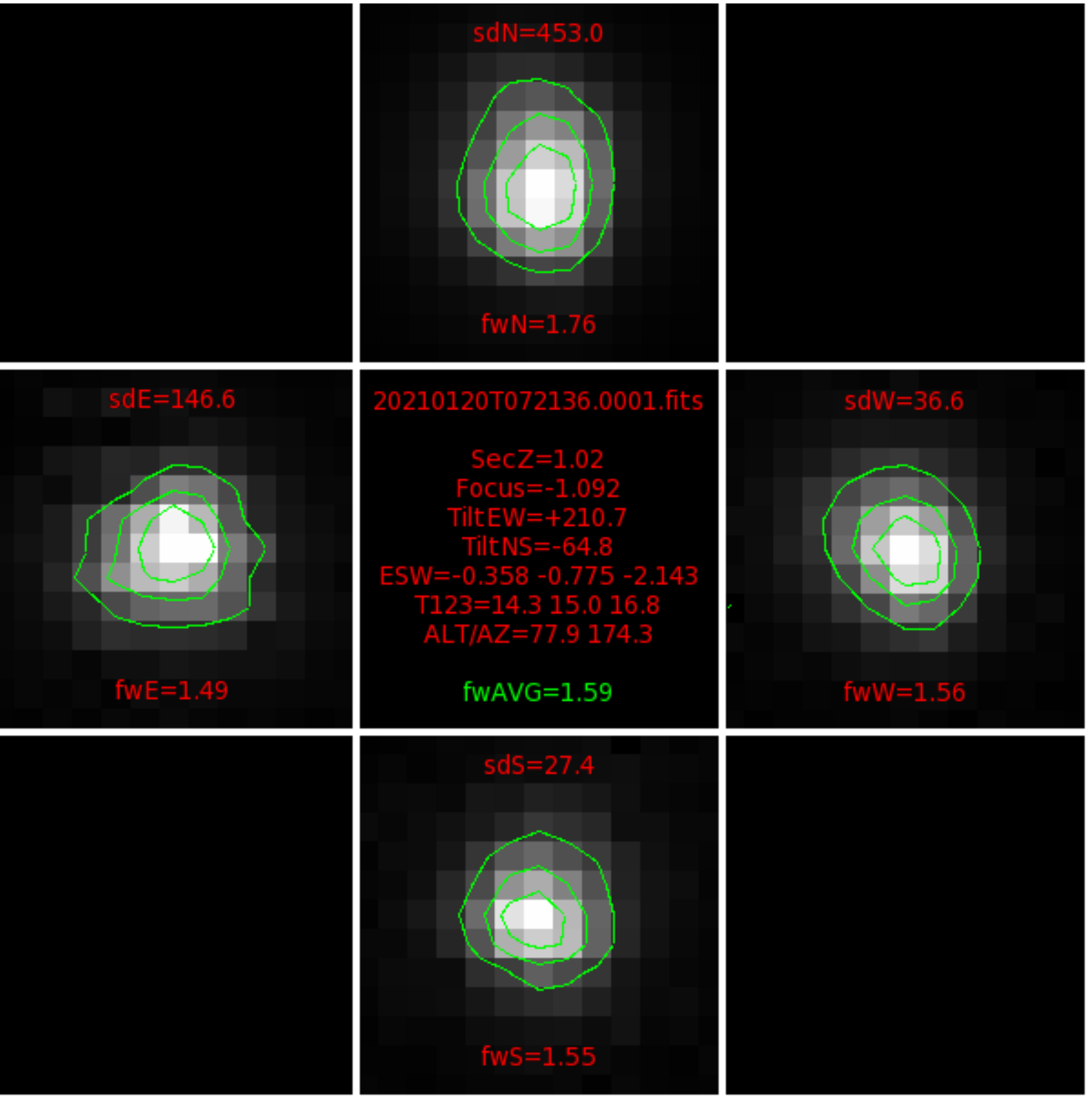
sdN=453.0
fwN=1.76
sdE=146.6
fwE=1.49
20210120T072136.0001.fits
SecZ=1.02
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.8
ALT/AZ=77.9 174.3
fwAVG=1.59
sdW=36.6
fwW=1.56
sdS=27.4
fwS=1.55
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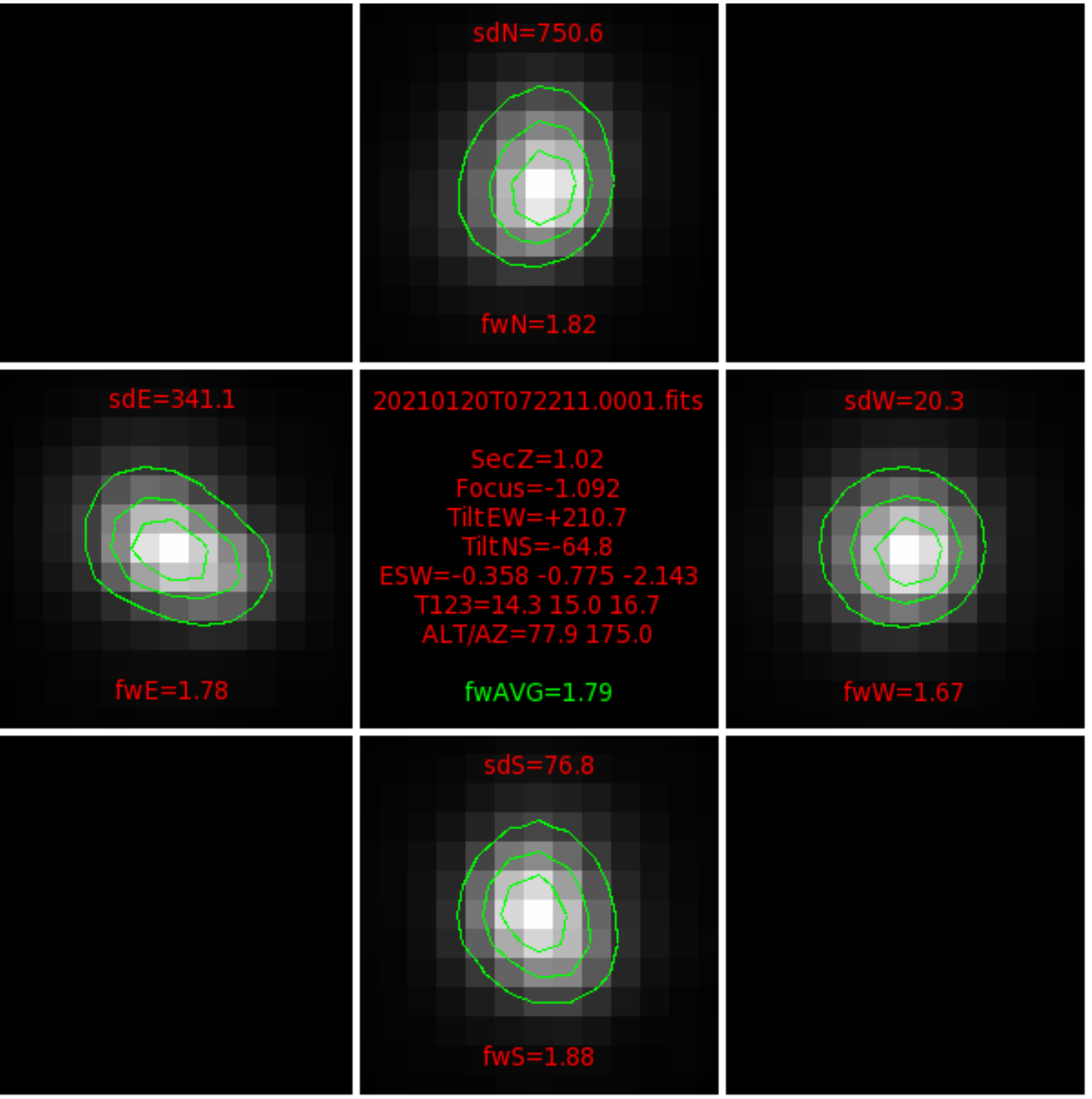
sdN=750.6
fwN=1.82
sdE=341.1
fwE=1.78
20210120T072211.0001.fits
SecZ=1.02
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.7
ALT/AZ=77.9 175.0
fwAVG=1.79
sdW=20.3
fwW=1.67
sdS=76.8
fwS=1.88
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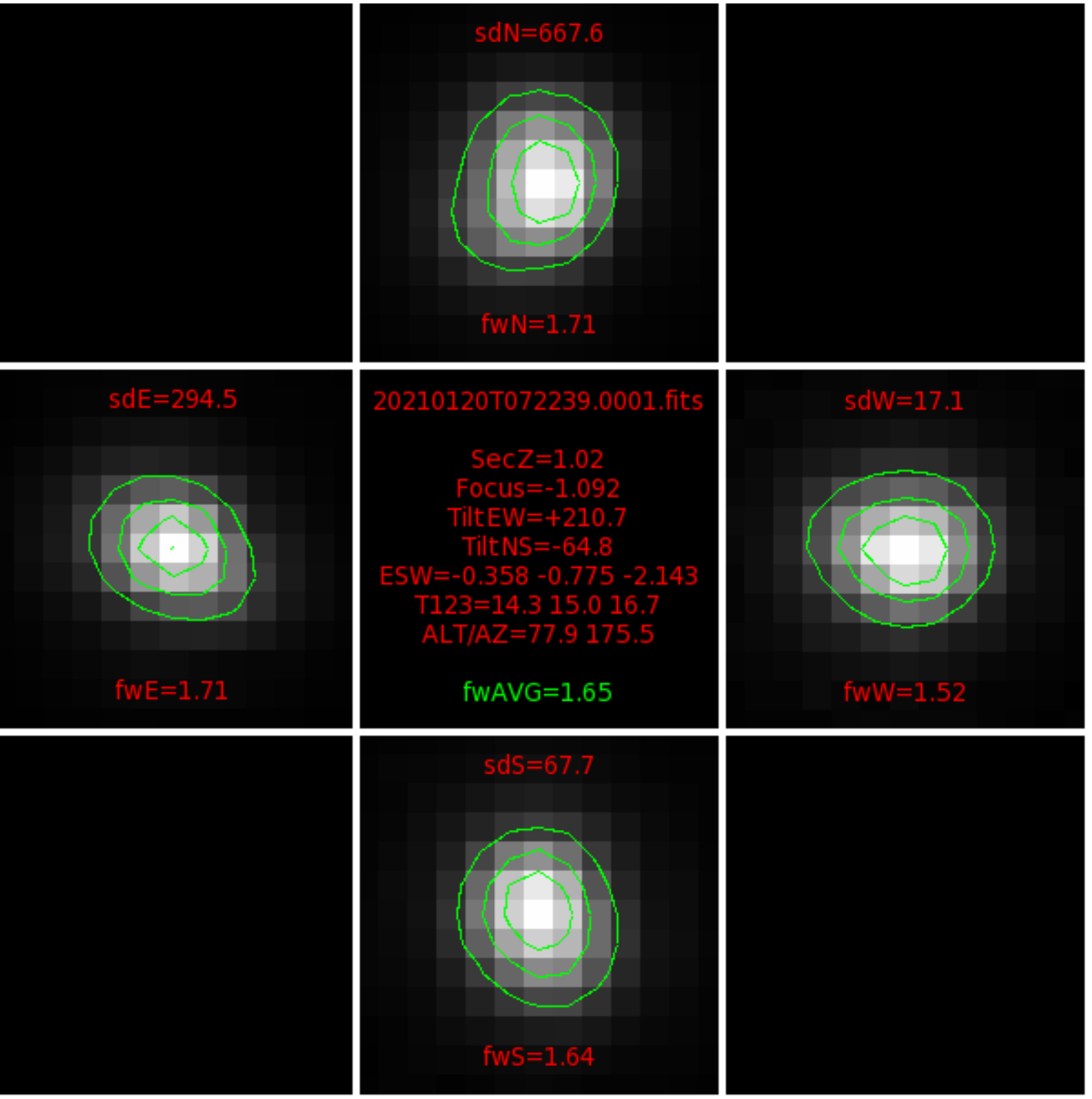
sdN=667.6
fwN=1.71
sdE=294.5
fwE=1.71
20210120T072239.0001.fits
SecZ=1.02
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.7
ALT/AZ=77.9 175.5
fwAVG=1.65
sdW=17.1
fwW=1.52
sdS=67.7
fwS=1.64
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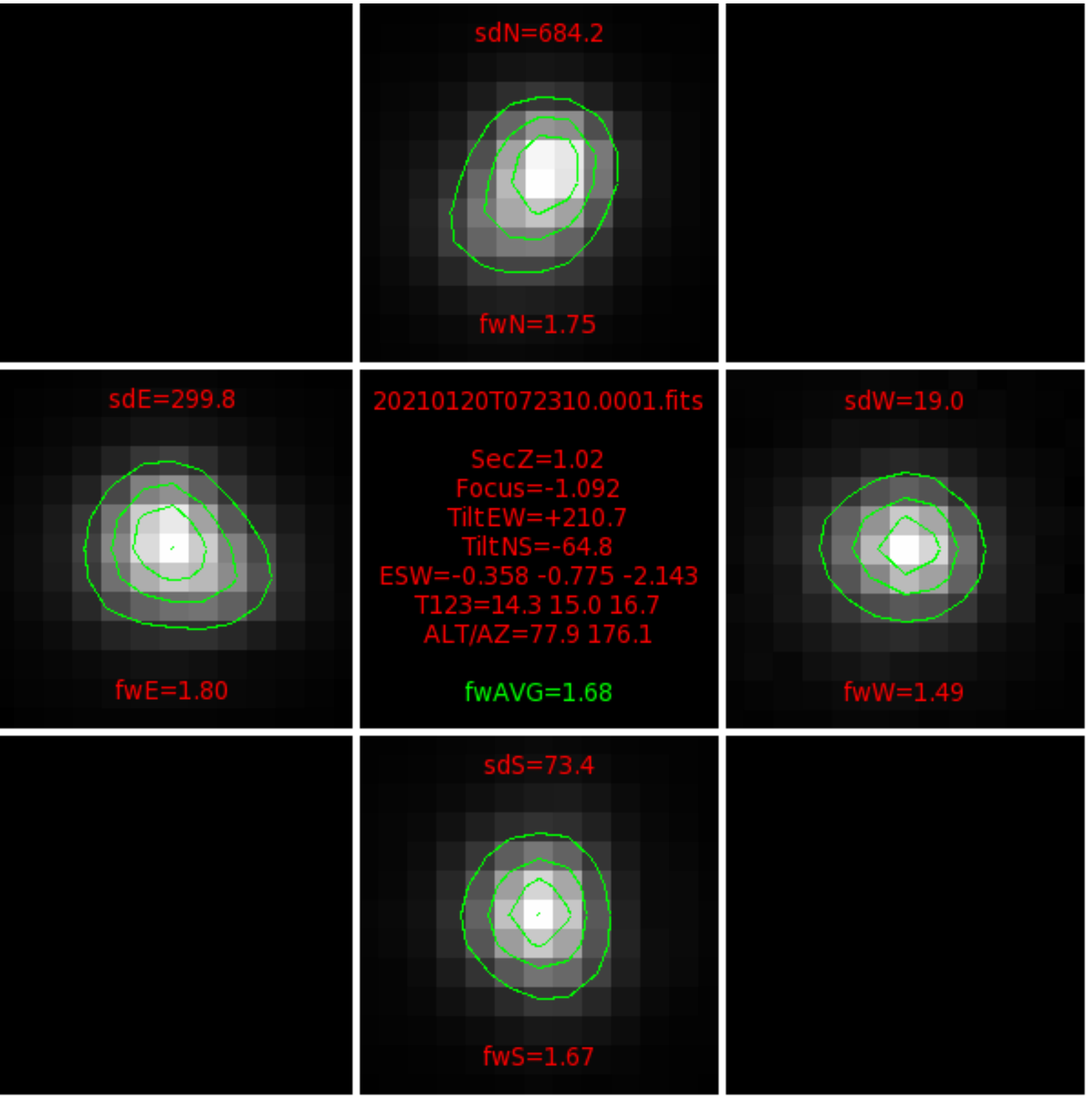
sdN=684.2
fwN=1.75
sdE=299.8
fwE=1.80
20210120T072310.0001.fits
SecZ=1.02
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.7
ALT/AZ=77.9 176.1
fwAVG=1.68
sdW=19.0
fwW=1.49
sdS=73.4
fwS=1.67
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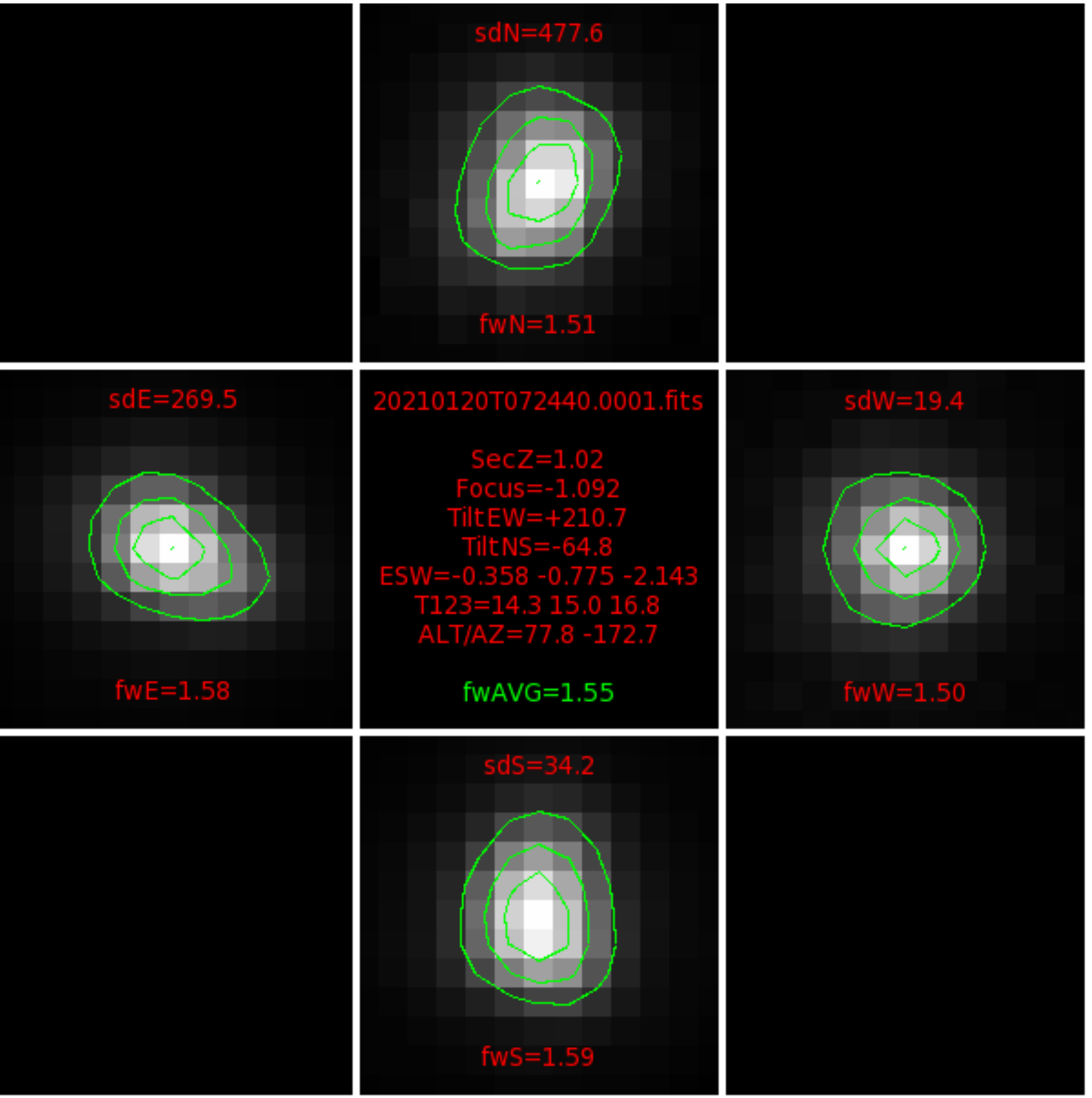
sdN=477.6
fwN=1.51
sdE=269.5
fwE=1.58
20210120T072440.0001.fits
SecZ=1.02
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.8
ALT/AZ=77.8 -172.7
fwAVG=1.55
sdW=19.4
fwW=1.50
sdS=34.2
fwS=1.59
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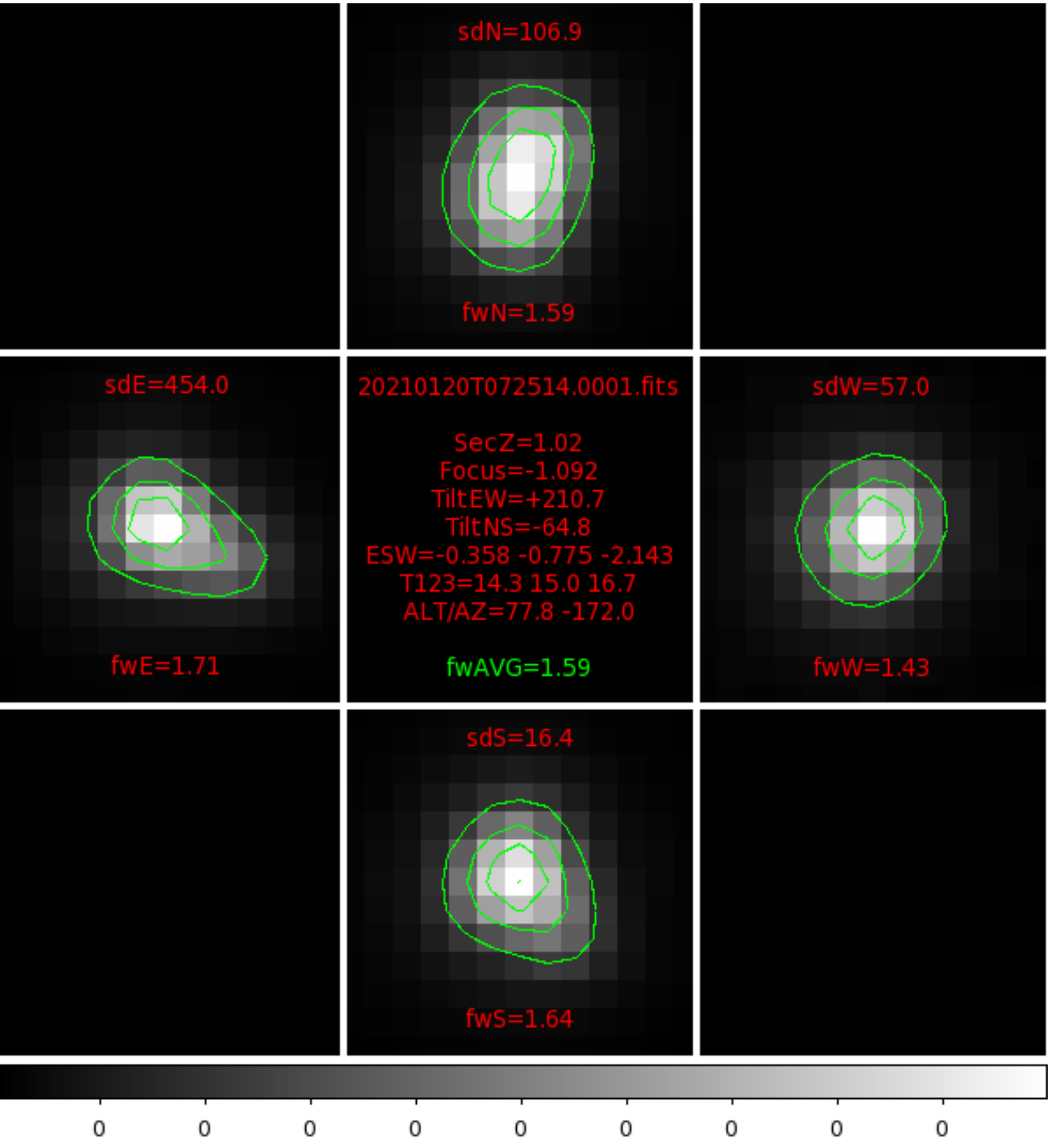
sdN=106.9
fwN=1.59
sdE=454.0
fwE=1.71
20210120T072514.0001.fits
SecZ=1.02
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.7
ALT/AZ=77.8 -172.0
fwAVG=1.59
sdW=57.0
fwW=1.43
sdS=16.4
fwS=1.64
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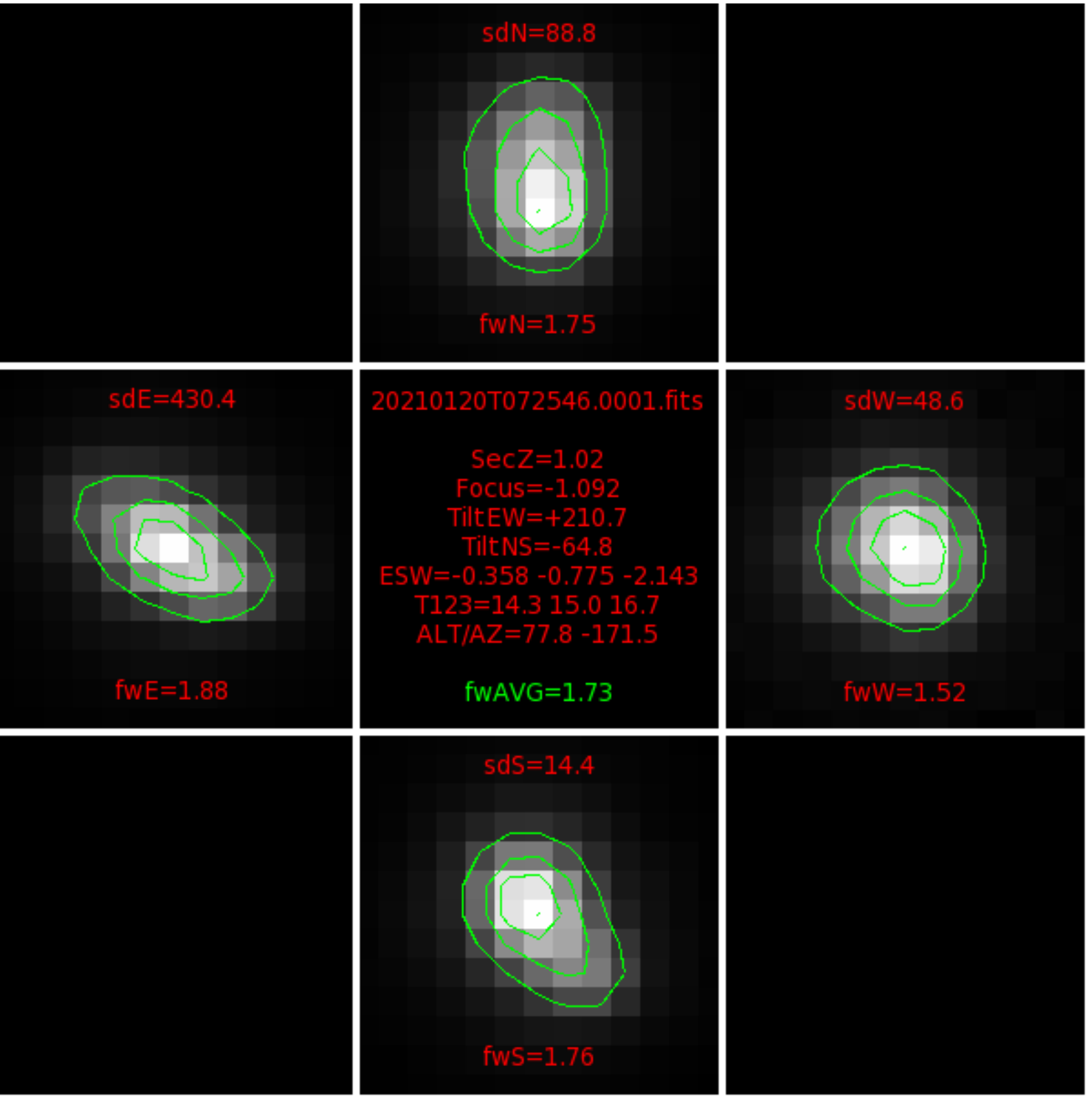
sdN=88.8
fwN=1.75
sdE=430.4
fwE=1.88
20210120T072546.0001.fits
SecZ=1.02
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.7
ALT/AZ=77.8 -171.5
fwAVG=1.73
sdW=48.6
fwW=1.52
sdS=14.4
fwS=1.76
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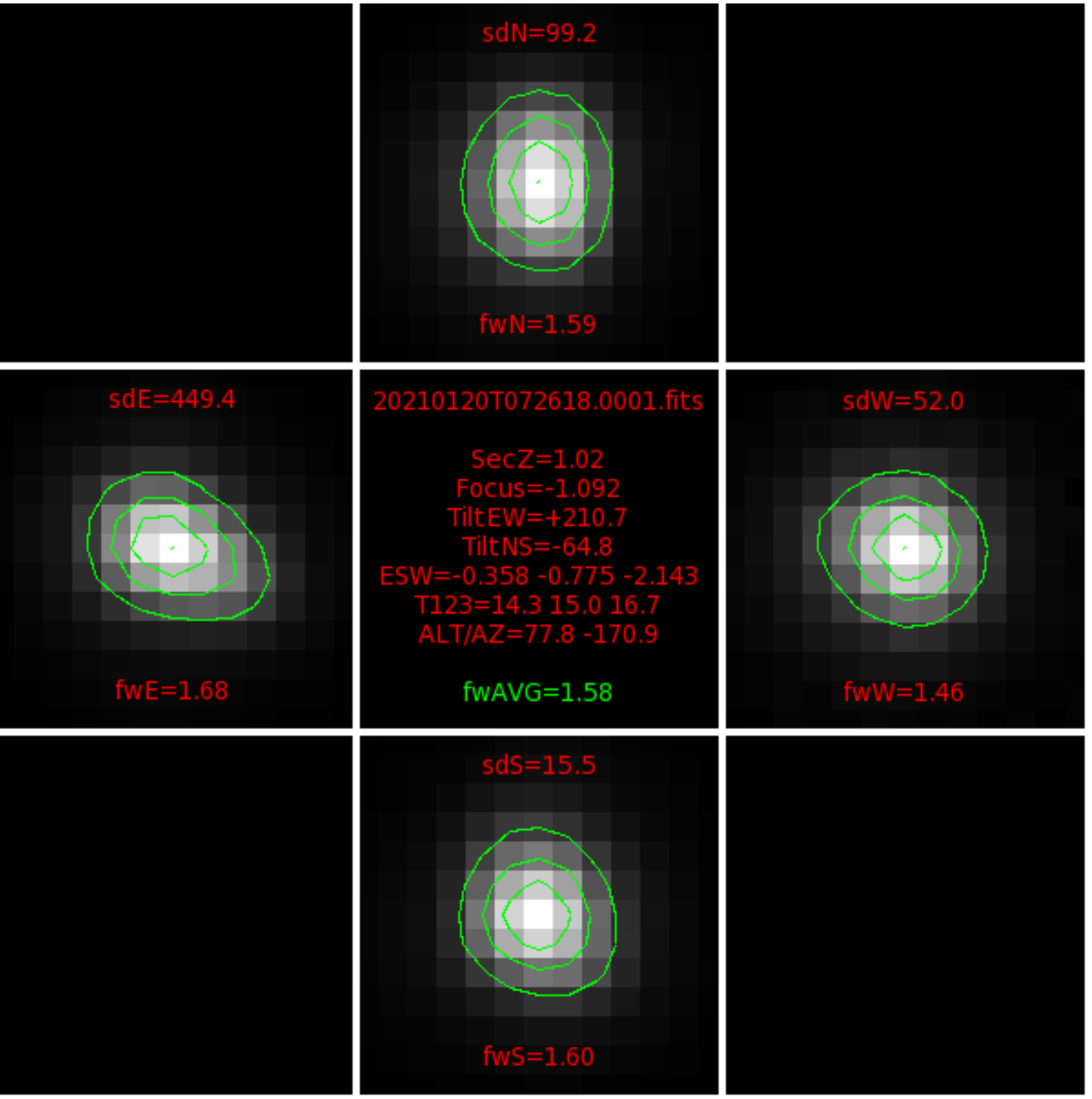
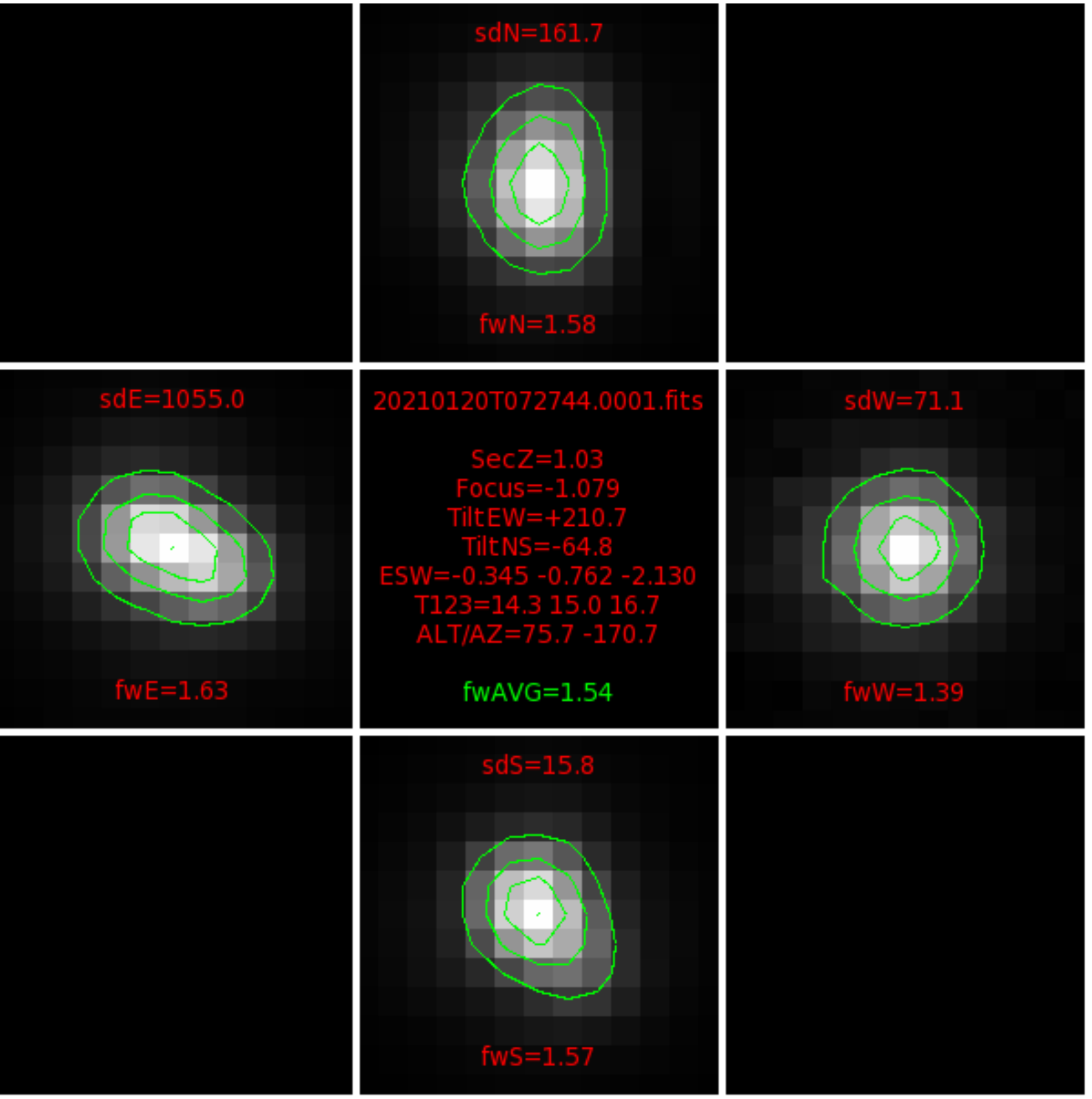

sdN=99.2
fwN=1.59
sdE=449.4
fwE=1.68
20210120T072618.0001.fits
SecZ=1.02
Focus=-1.092
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.358 -0.775 -2.143
T123=14.3 15.0 16.7
ALT/AZ=77.8 -170.9
fwAVG=1.58
sdW=52.0
fwW=1.46
sdS=15.5
fwS=1.60
0 0 0 0 0 0 0 0 0


sdN=161.7
fwN=1.58
sdE=1055.0
fwE=1.63
20210120T072744.0001.fits
SecZ=1.03
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.7
ALT/AZ=75.7 -170.7
fwAVG=1.54
sdW=71.1
fwW=1.39
sdS=15.8
fwS=1.57
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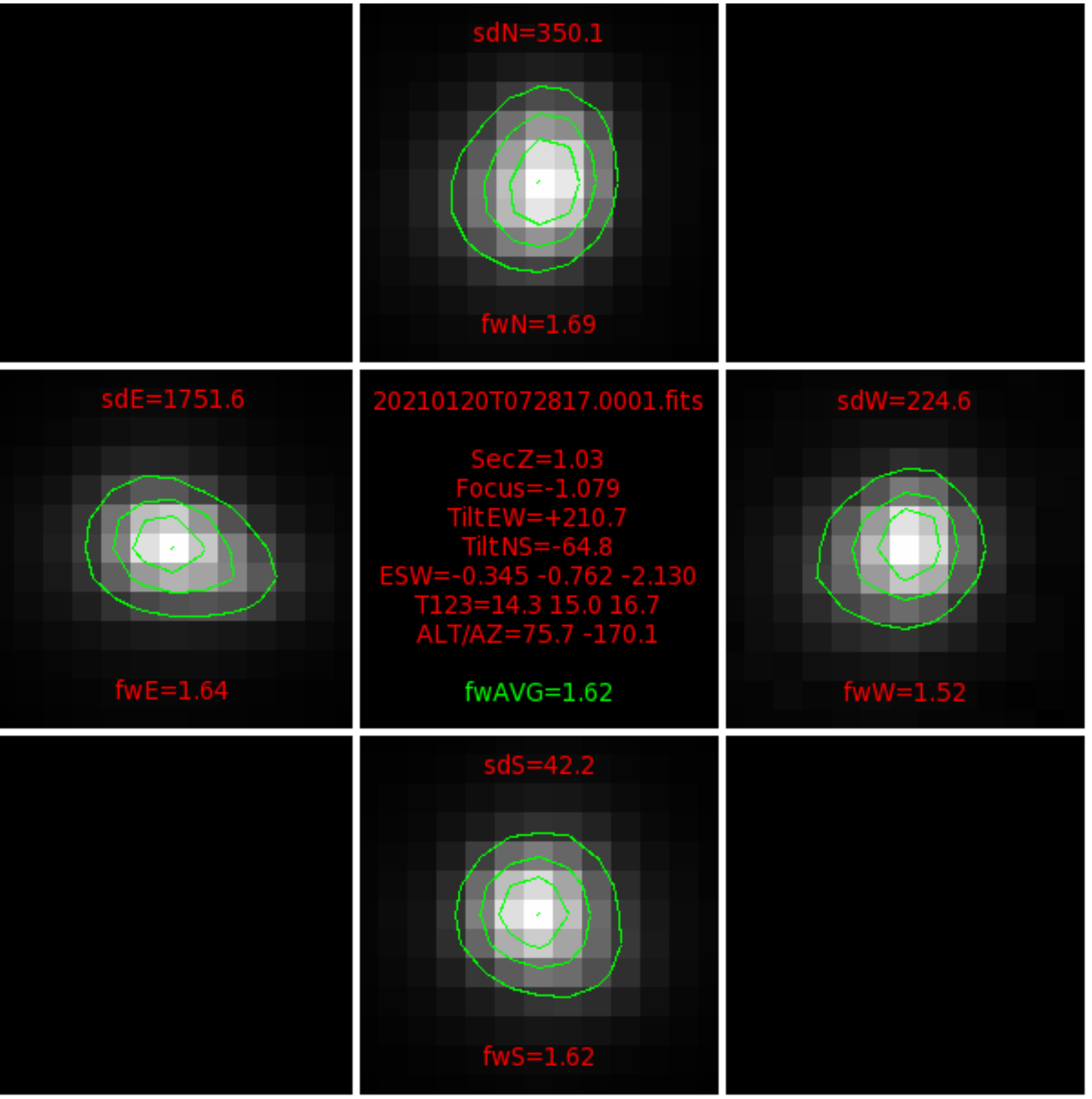
sdN=350.1
fwN=1.69
sdE=1751.6
fwE=1.64
20210120T072817.0001.fits
SecZ=1.03
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.7
ALT/AZ=75.7 -170.1
fwAVG=1.62
sdW=224.6
fwW=1.52
sdS=42.2
fwS=1.62
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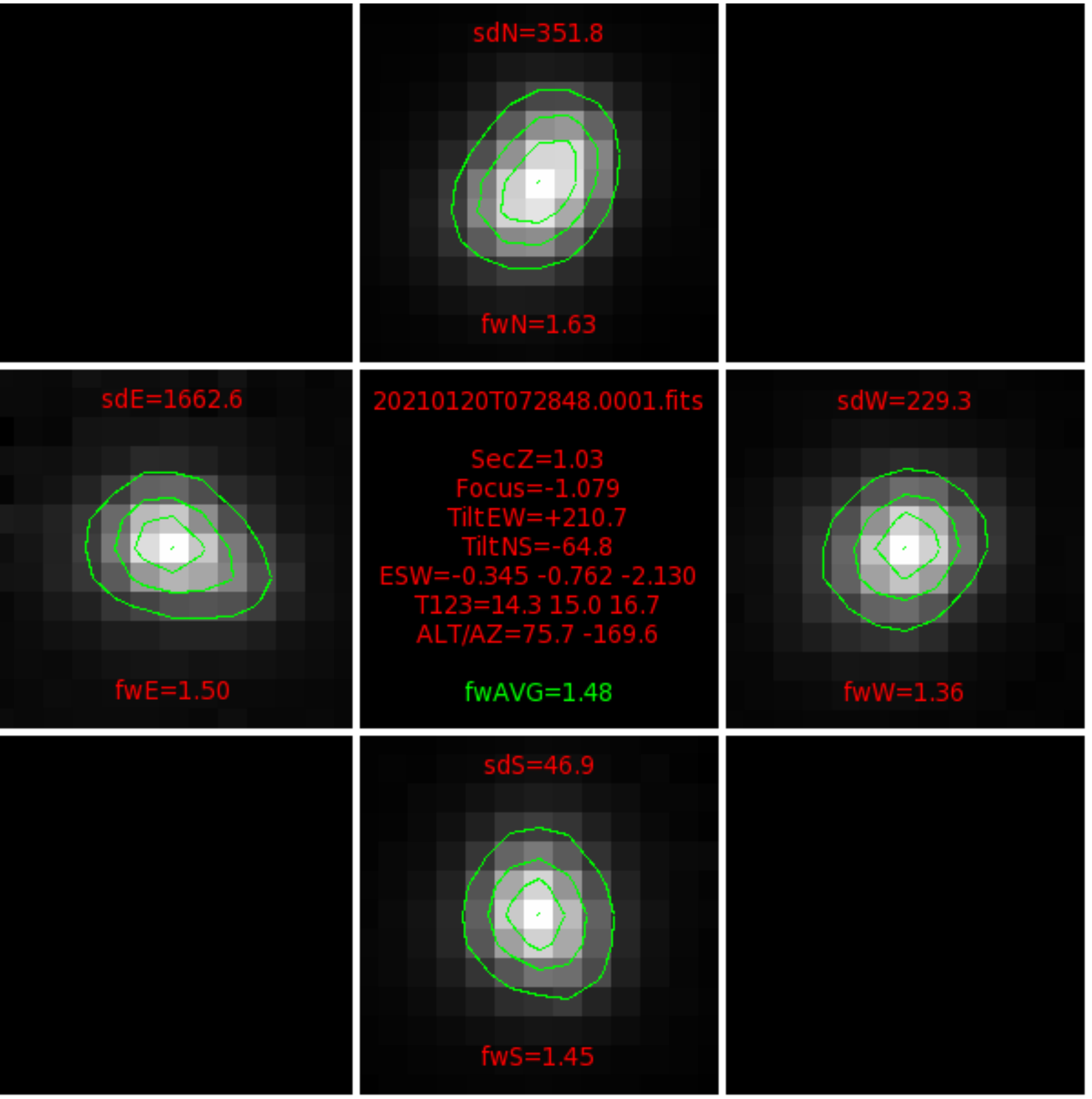
sdN=351.8
fwN=1.63
sdE=1662.6
fwE=1.50
20210120T072848.0001.fits
SecZ=1.03
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.7
ALT/AZ=75.7 -169.6
fwAVG=1.48
sdW=229.3
fwW=1.36
sdS=46.9
fwS=1.45
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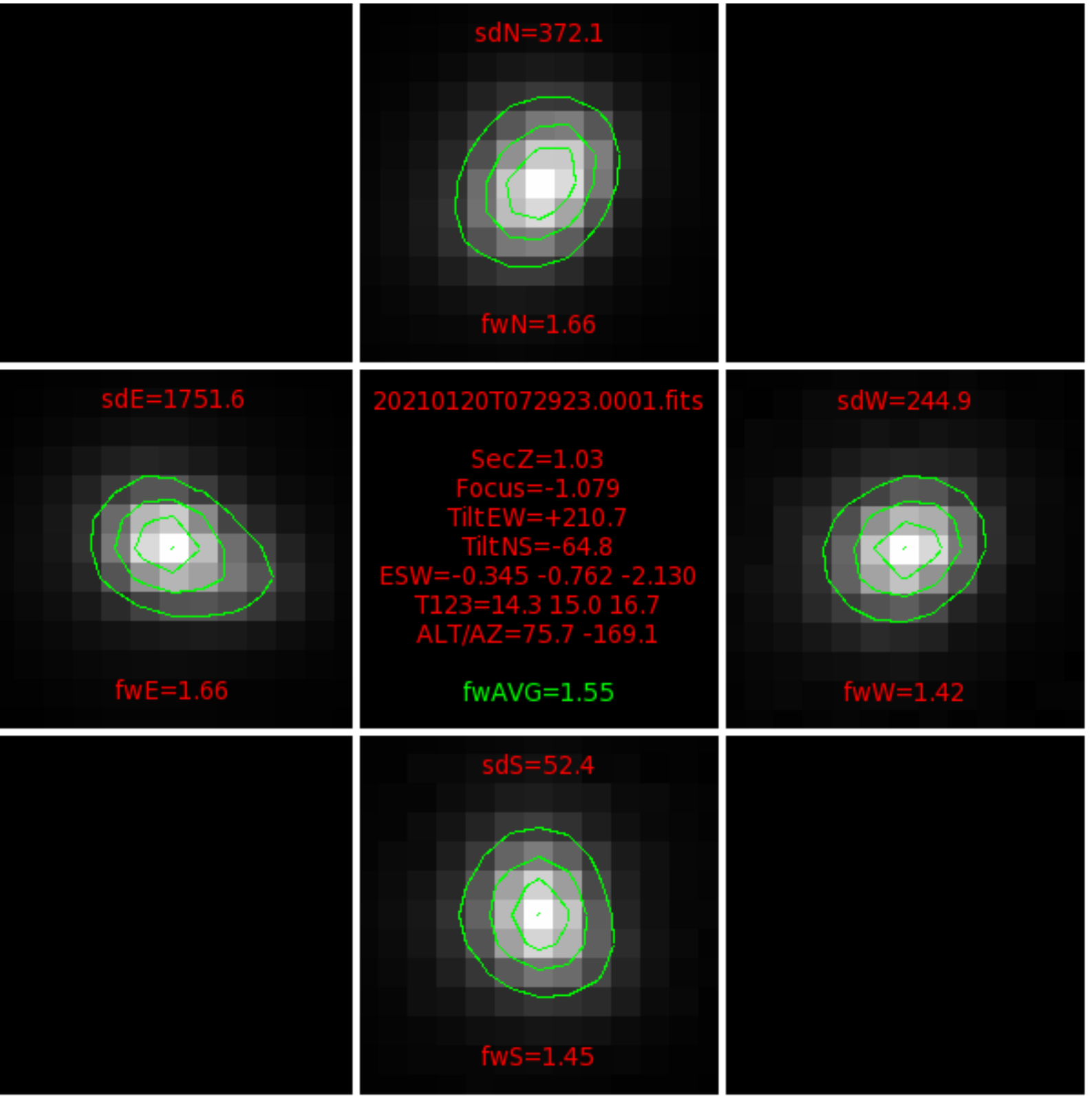
sdN=372.1
fwN=1.66
sdE=1751.6
fwE=1.66
20210120T072923.0001.fits
SecZ=1.03
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.7
ALT/AZ=75.7 -169.1
fwAVG=1.55
sdW=244.9
fwW=1.42
sdS=52.4
fwS=1.45
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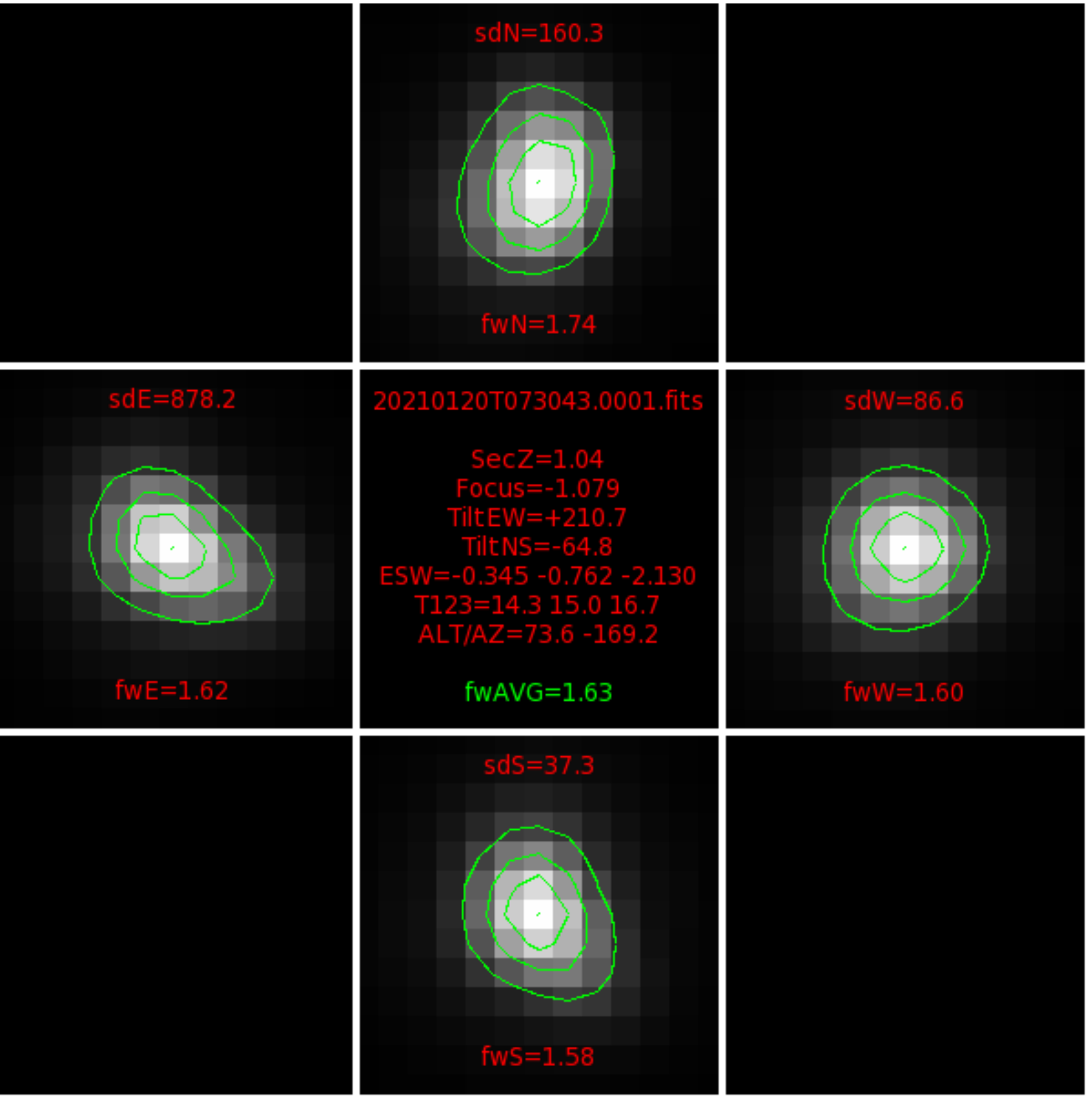
sdN=160.3
fwN=1.74
sdE=878.2
fwE=1.62
20210120T073043.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.7
ALT/AZ=73.6 -169.2
fwAVG=1.63
sdW=86.6
fwW=1.60
sdS=37.3
fwS=1.58
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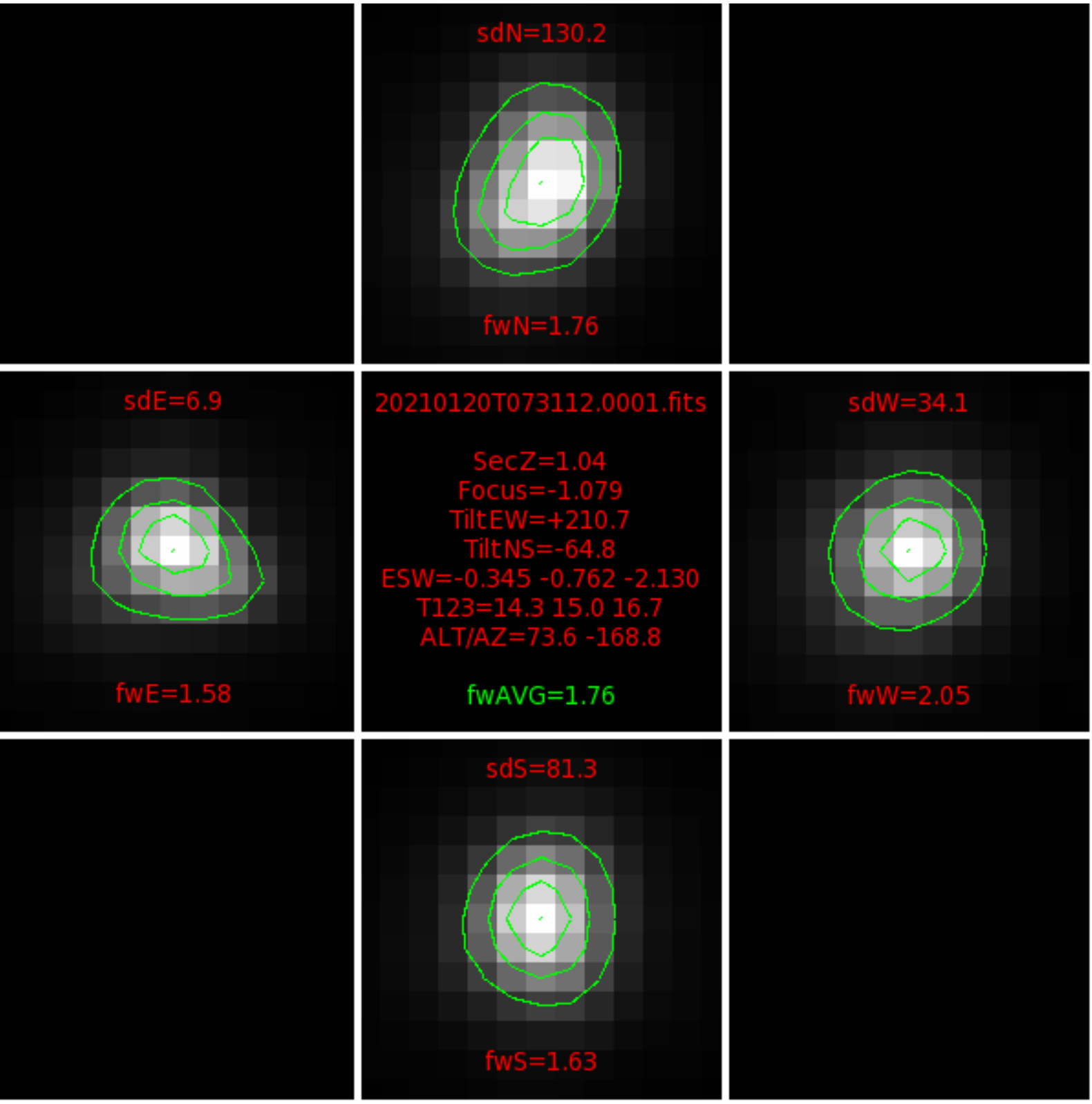
sdN=130.2
fwN=1.76
sdE=6.9
fwE=1.58
20210120T073112.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.7
ALT/AZ=73.6 -168.8
fwAVG=1.76
sdW=34.1
fwW=2.05
sdS=81.3
fwS=1.63
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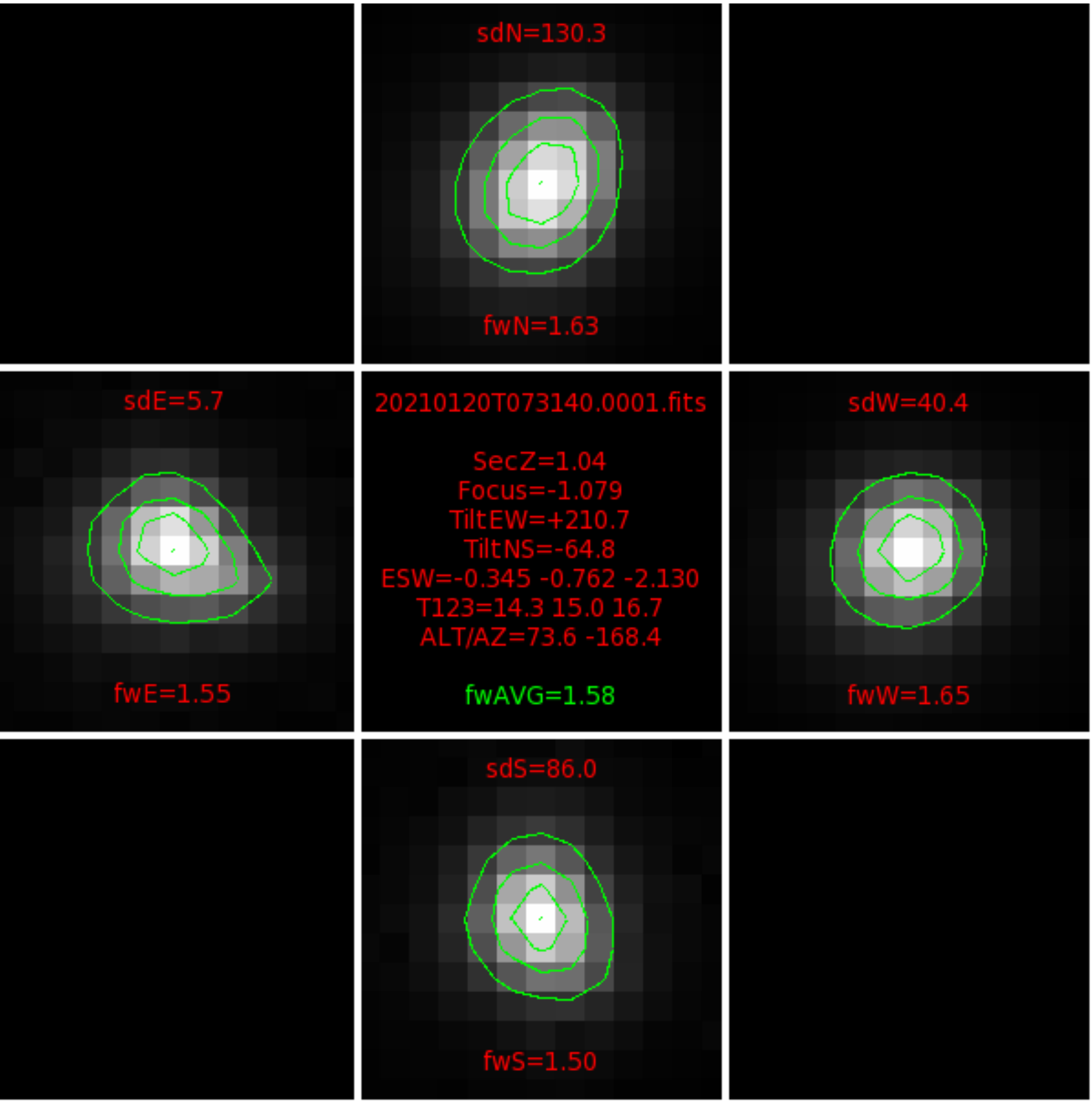
sdN=130.3
fwN=1.63
sdE=5.7
fwE=1.55
20210120T073140.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.7
ALT/AZ=73.6 -168.4
fwAVG=1.58
sdW=40.4
fwW=1.65
sdS=86.0
fwS=1.50
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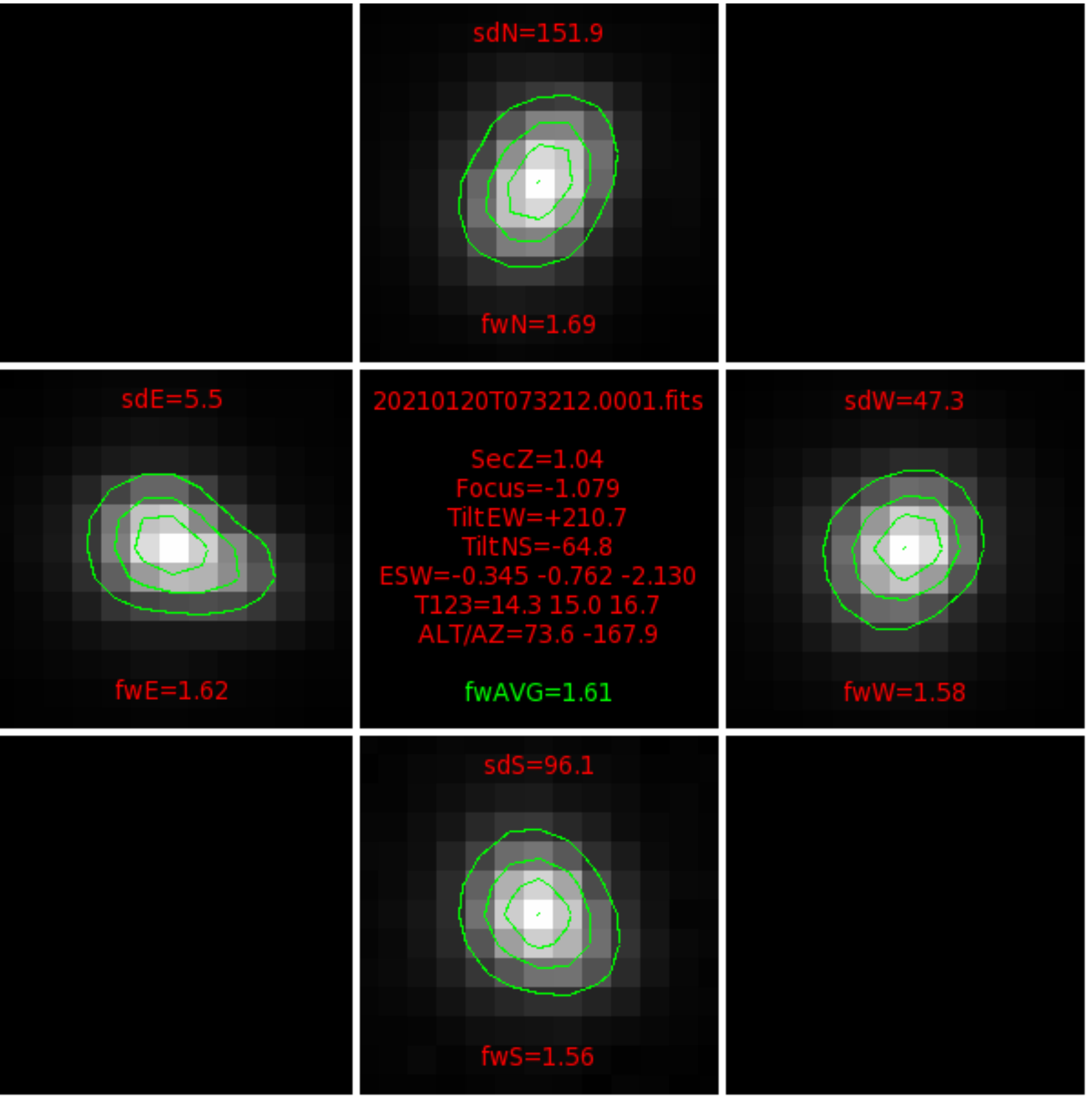
sdN=151.9
fwN=1.69
sdE=5.5
fwE=1.62
20210120T073212.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.7
ALT/AZ=73.6 -167.9
fwAVG=1.61
sdW=47.3
fwW=1.58
sdS=96.1
fwS=1.56
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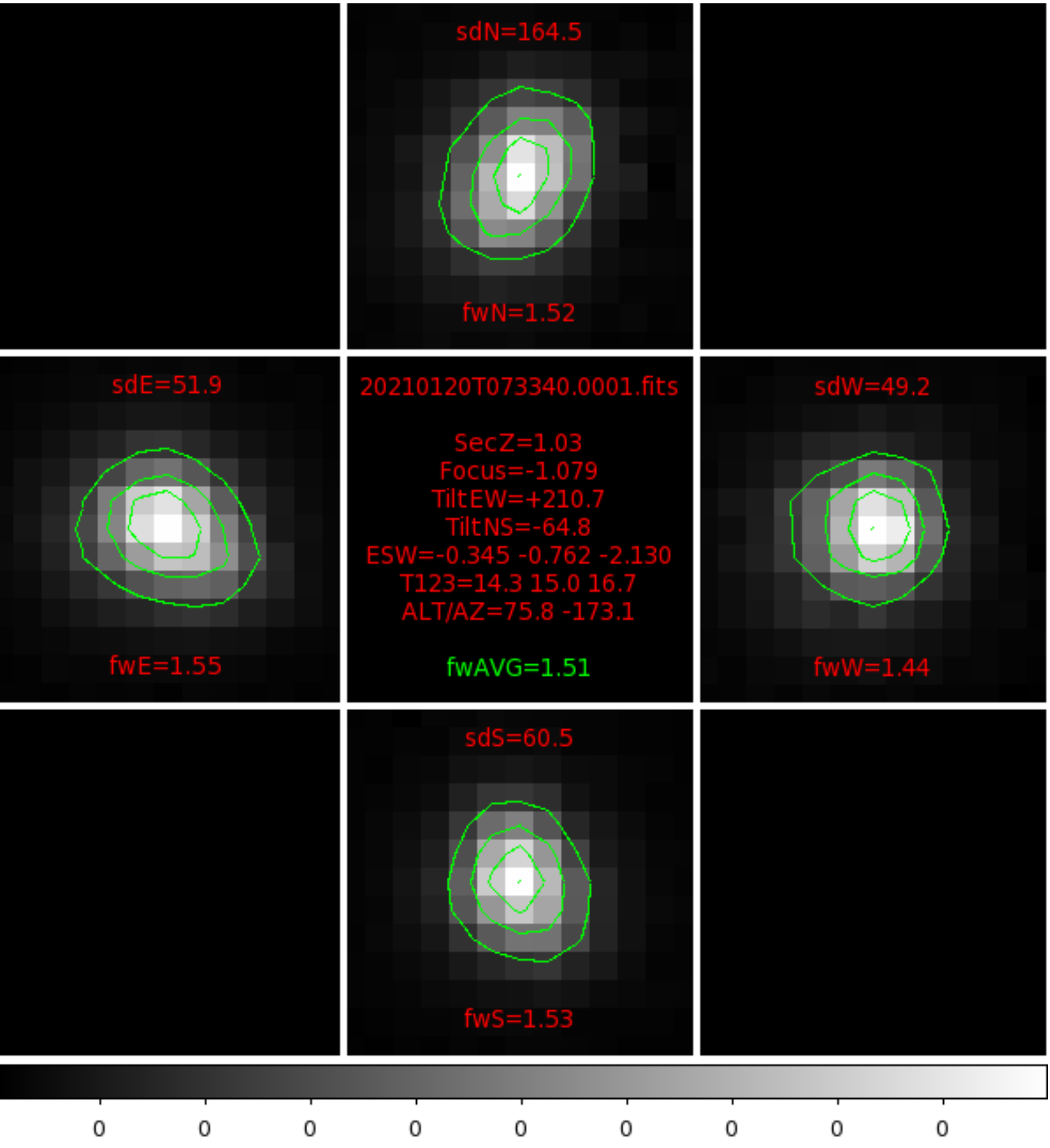
sdN=164.5
fwN=1.52
sdE=51.9
fwE=1.55
20210120T073340.0001.fits
SecZ=1.03
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.7
ALT/AZ=75.8 -173.1
fwAVG=1.51
sdW=49.2
fwW=1.44
sdS=60.5
fwS=1.53
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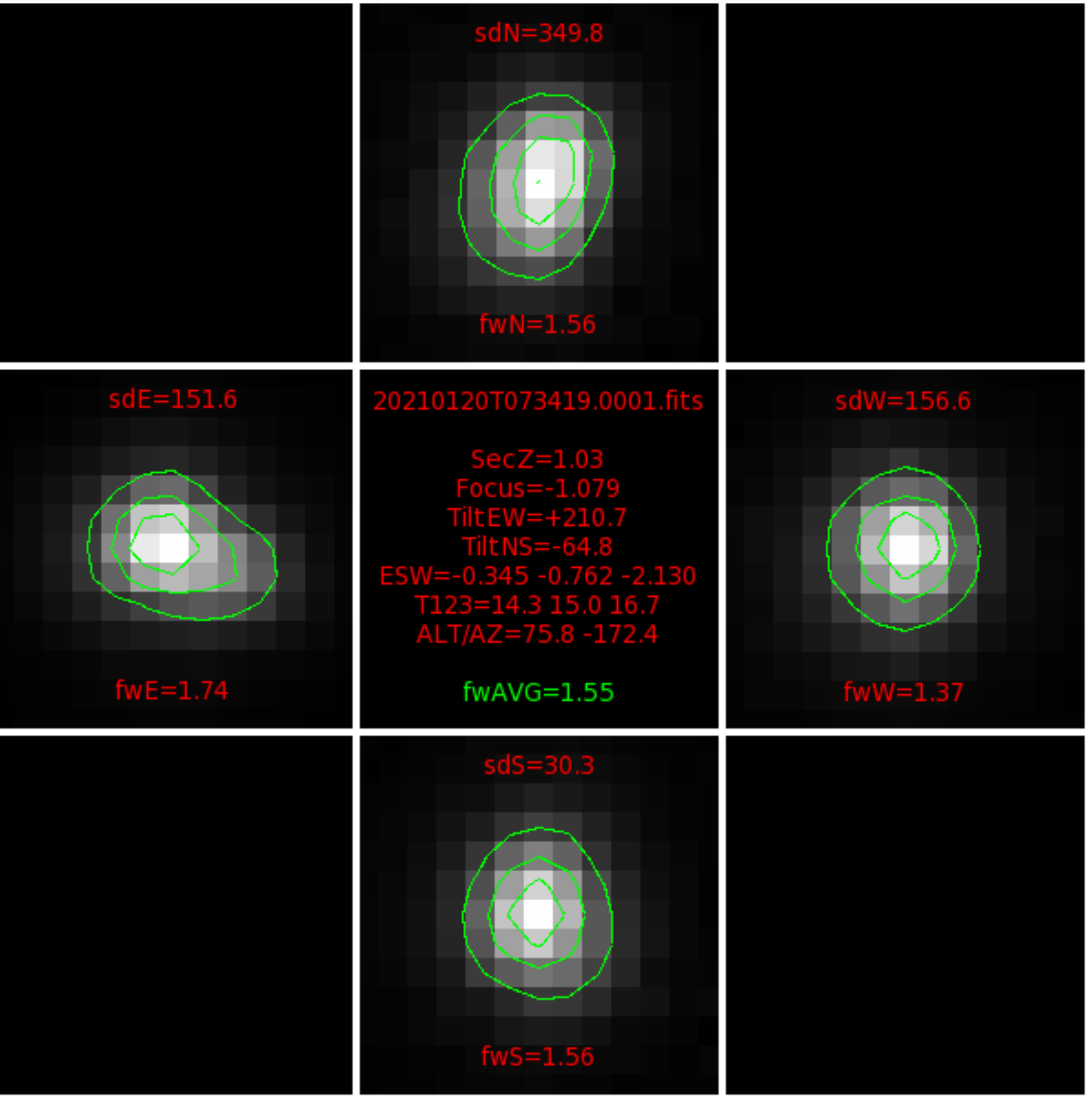
sdN=349.8
fwN=1.56
sdE=151.6
fwE=1.74
20210120T073419.0001.fits
SecZ=1.03
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.7
ALT/AZ=75.8 -172.4
fwAVG=1.55
sdW=156.6
fwW=1.37
sdS=30.3
fwS=1.56
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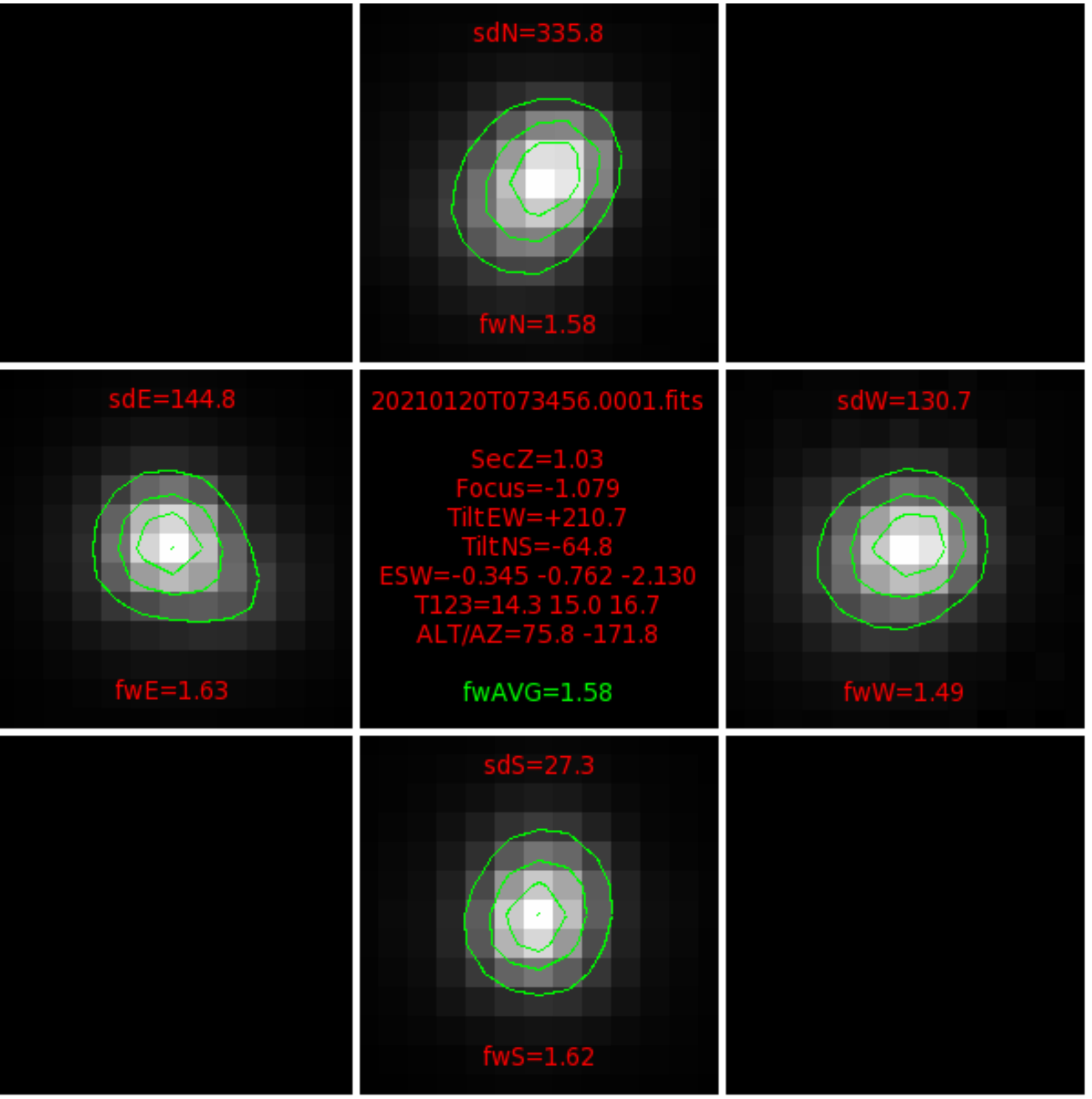
sdN=335.8
fwN=1.58
sdE=144.8
fwE=1.63
20210120T073456.0001.fits
SecZ=1.03
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.7
ALT/AZ=75.8 -171.8
fwAVG=1.58
sdW=130.7
fwW=1.49
sdS=27.3
fwS=1.62
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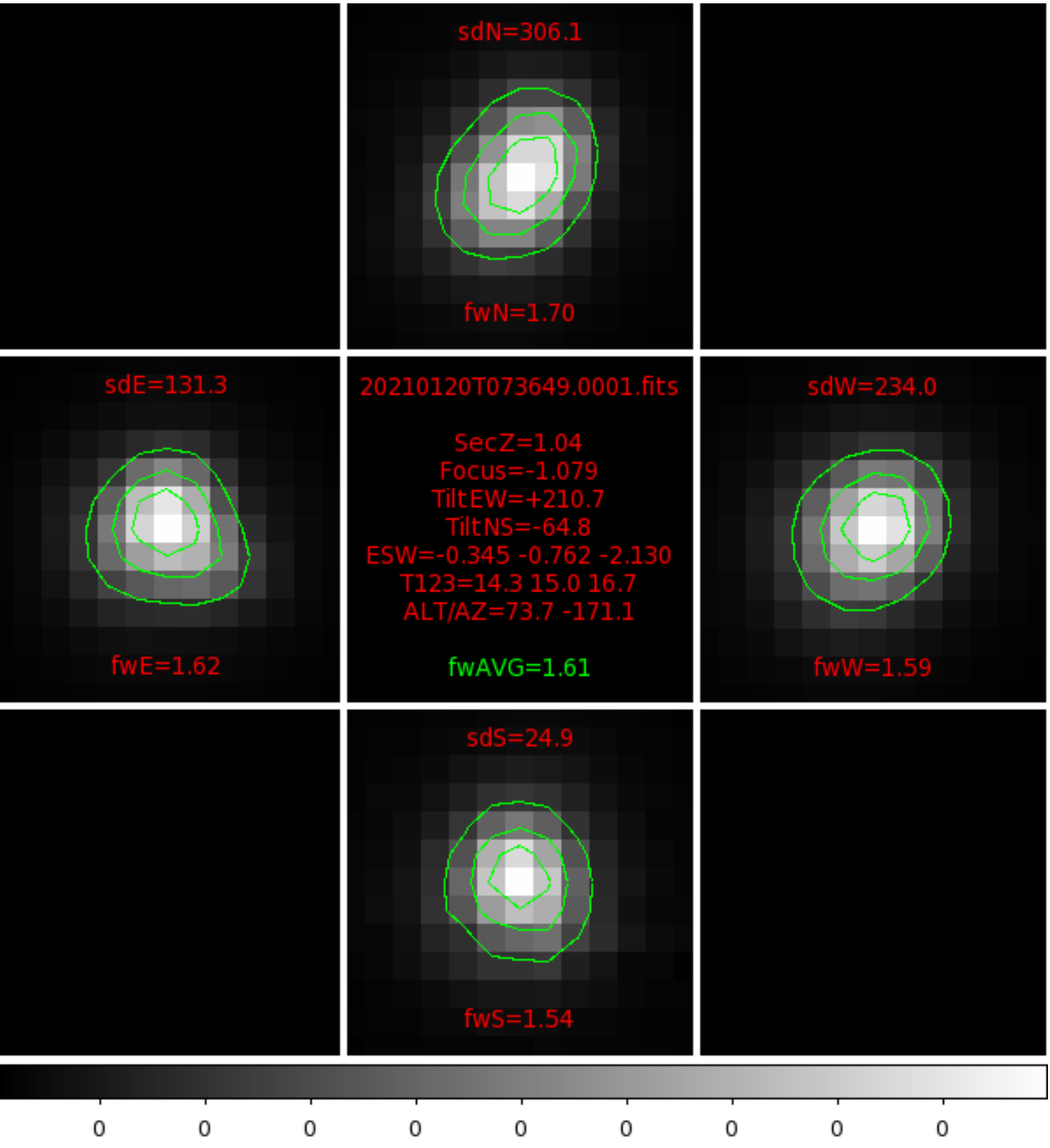
sdN=306.1
fwN=1.70
sdE=131.3
fwE=1.62
20210120T073649.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.7
ALT/AZ=73.7 -171.1
fwAVG=1.61
sdW=234.0
fwW=1.59
sdS=24.9
fwS=1.54
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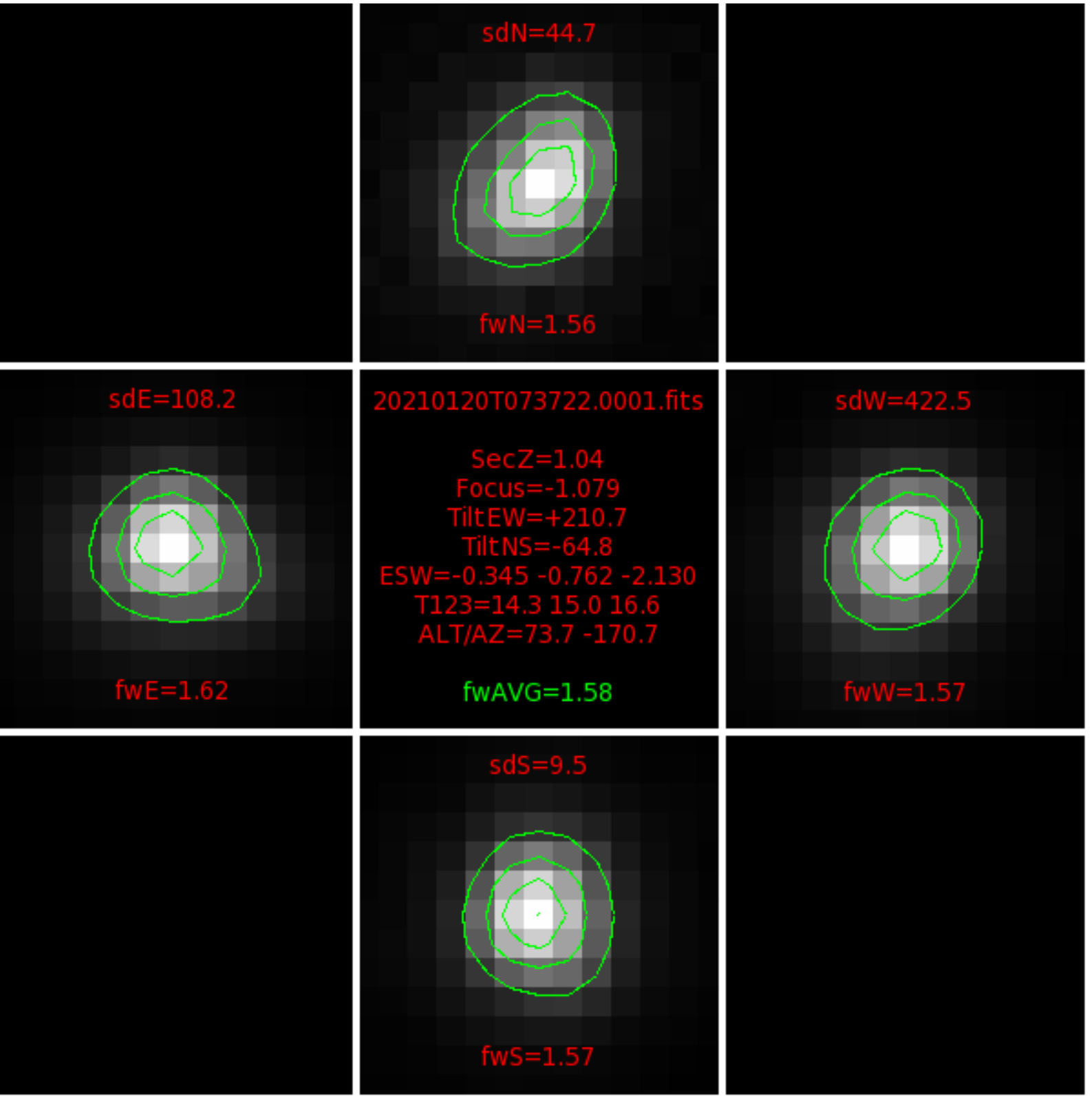
sdN=44.7
fwN=1.56
sdE=108.2
fwE=1.62
20210120T073722.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.6
ALT/AZ=73.7 -170.7
fwAVG=1.58
sdW=422.5
fwW=1.57
sdS=9.5
fwS=1.57
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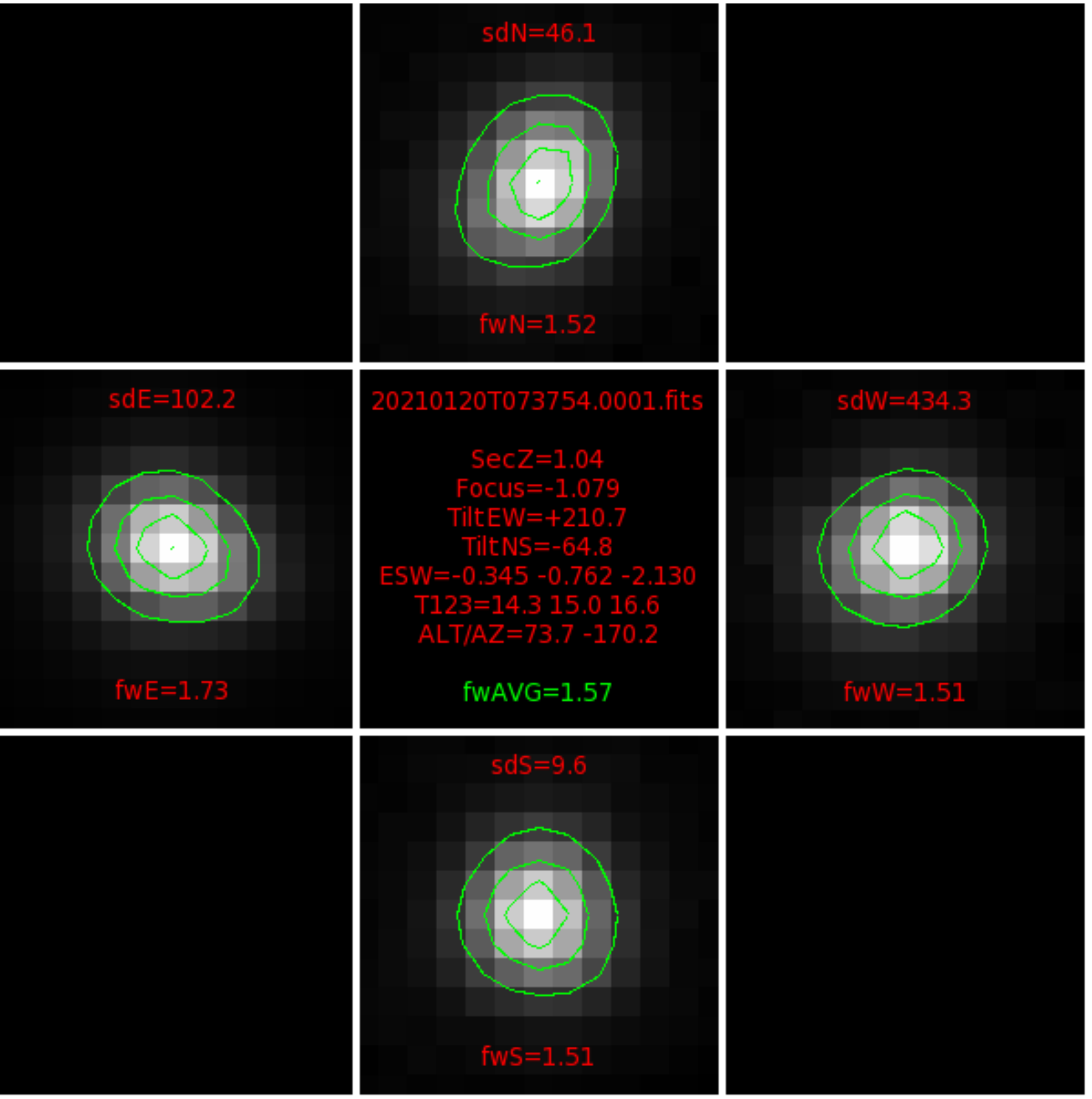
sdN=46.1
fwN=1.52
sdE=102.2
fwE=1.73
20210120T073754.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.6
ALT/AZ=73.7 -170.2
fwAVG=1.57
sdW=434.3
fwW=1.51
sdS=9.6
fwS=1.51
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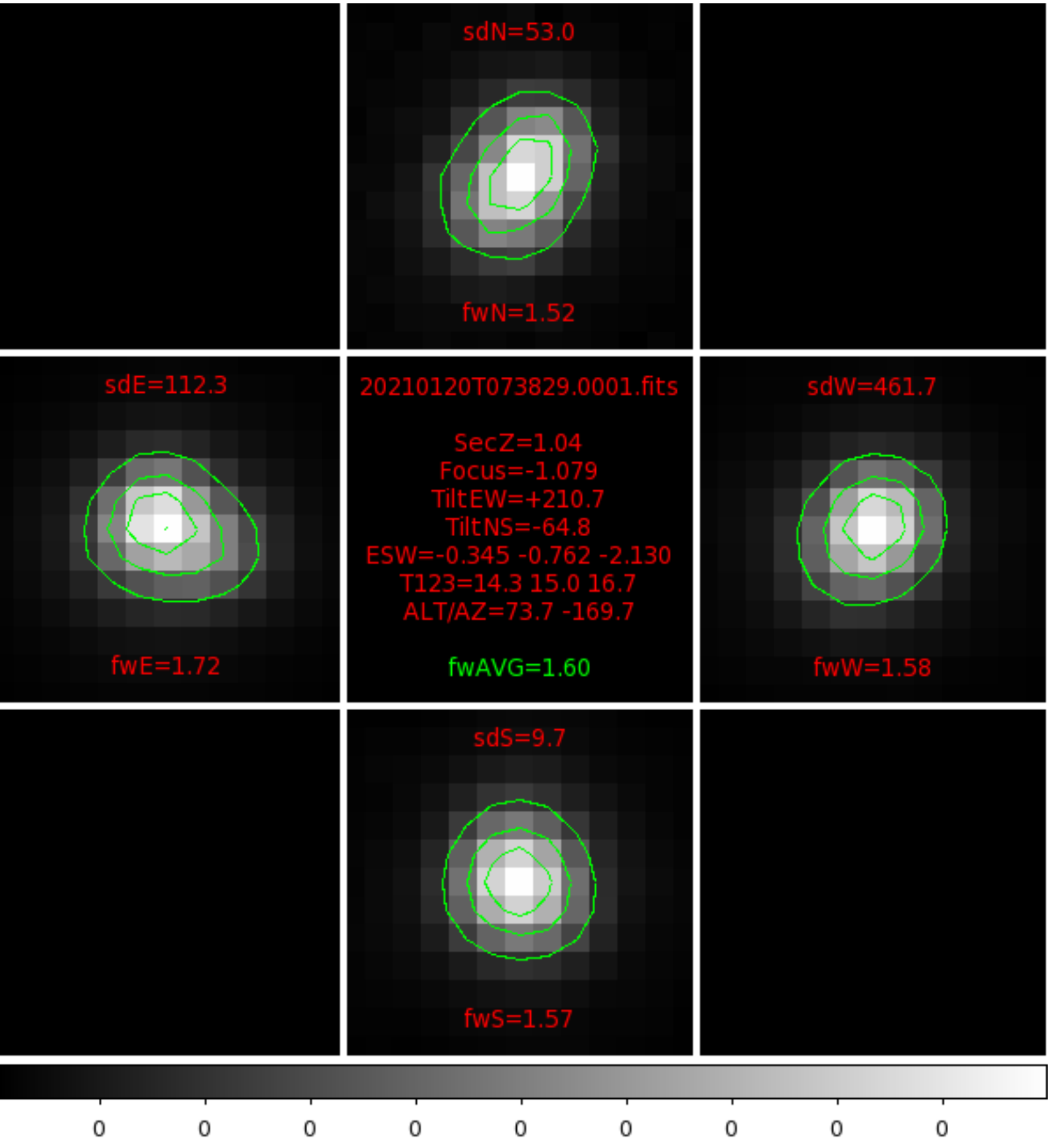
sdN=53.0
fwN=1.52
sdE=112.3
fwE=1.72
20210120T073829.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.7
ALT/AZ=73.7 -169.7
fwAVG=1.60
sdW=461.7
fwW=1.58
sdS=9.7
fwS=1.57
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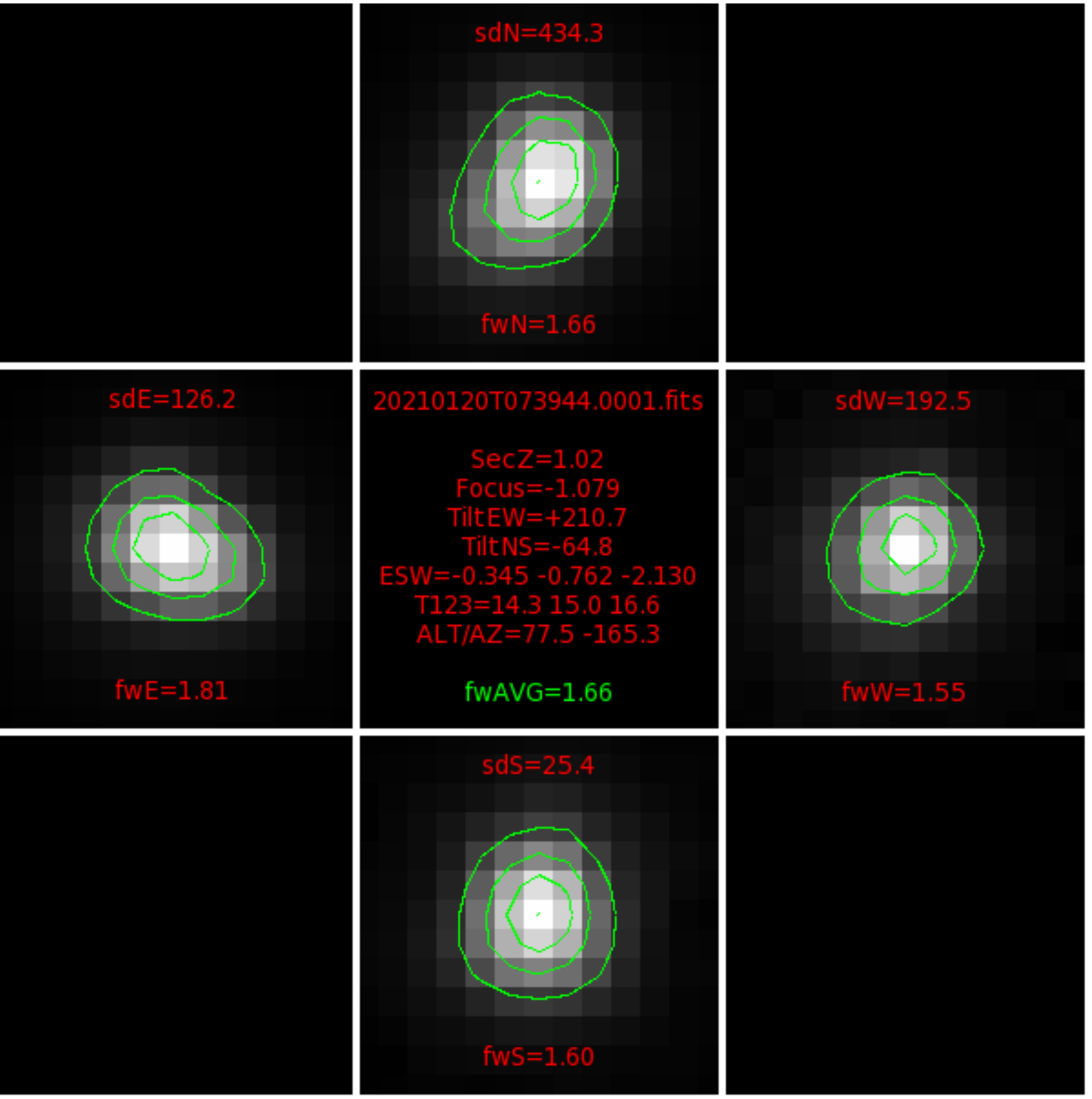
sdN=434.3
fwN=1.66
sdE=126.2
fwE=1.81
20210120T073944.0001.fits
SecZ=1.02
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.6
ALT/AZ=77.5 -165.3
fwAVG=1.66
sdW=192.5
fwW=1.55
sdS=25.4
fwS=1.60
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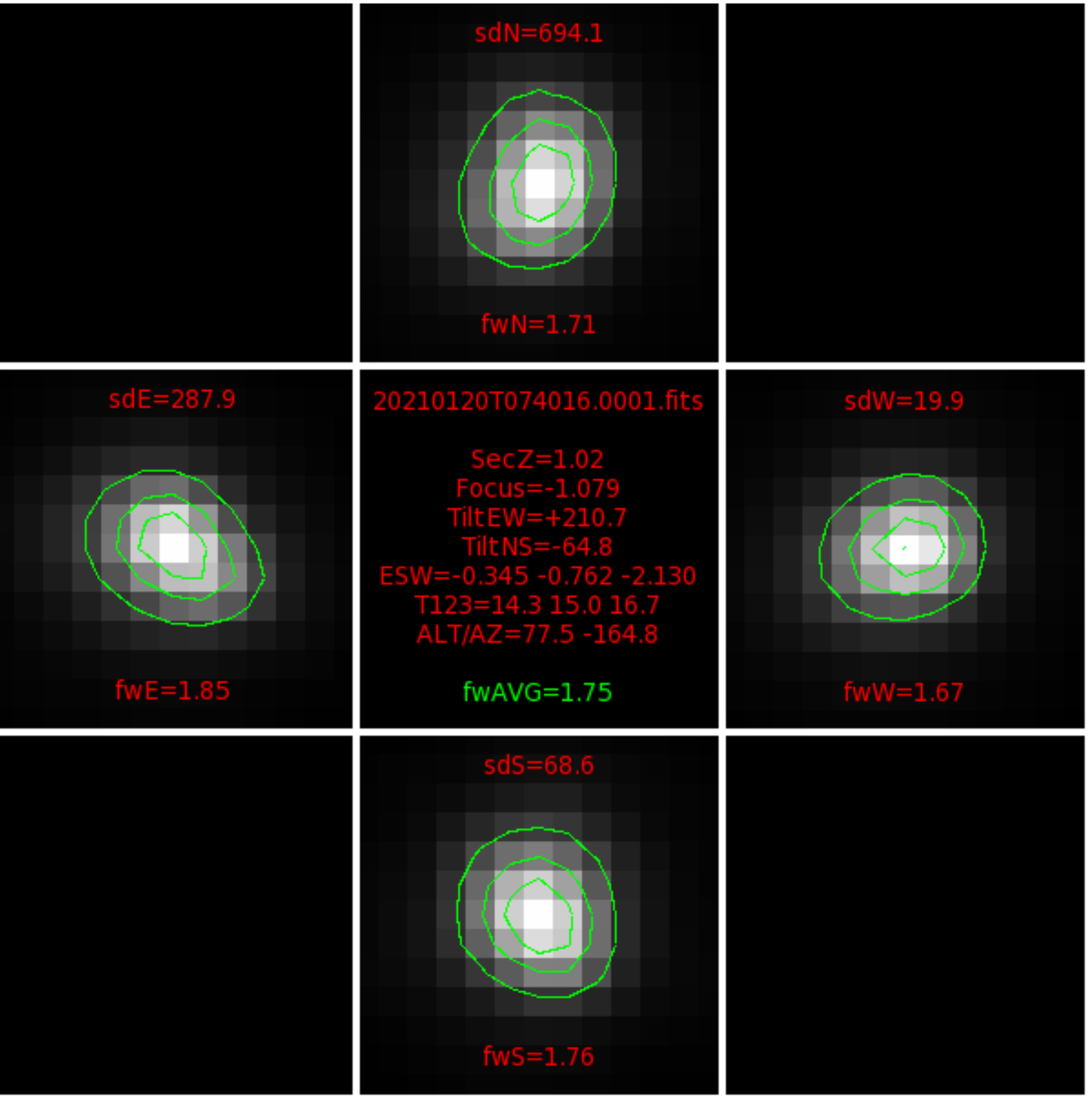
sdN=694.1
fwN=1.71
sdE=287.9
fwE=1.85
20210120T074016.0001.fits
SecZ=1.02
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.7
ALT/AZ=77.5 -164.8
fwAVG=1.75
sdW=19.9
fwW=1.67
sdS=68.6
fwS=1.76
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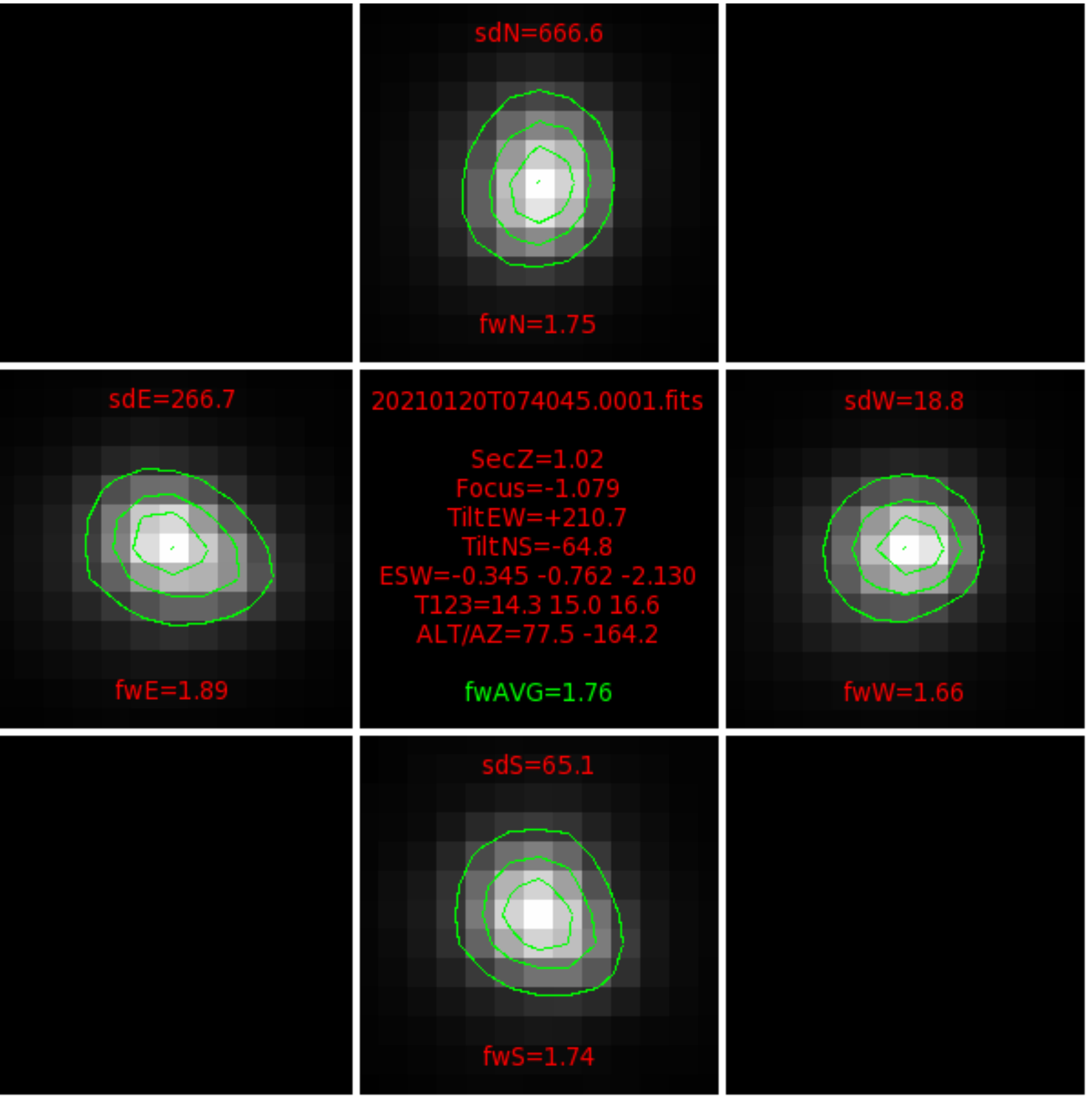
sdN=666.6
fwN=1.75
sdE=266.7
fwE=1.89
20210120T074045.0001.fits
SecZ=1.02
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.6
ALT/AZ=77.5 -164.2
fwAVG=1.76
sdW=18.8
fwW=1.66
sdS=65.1
fwS=1.74
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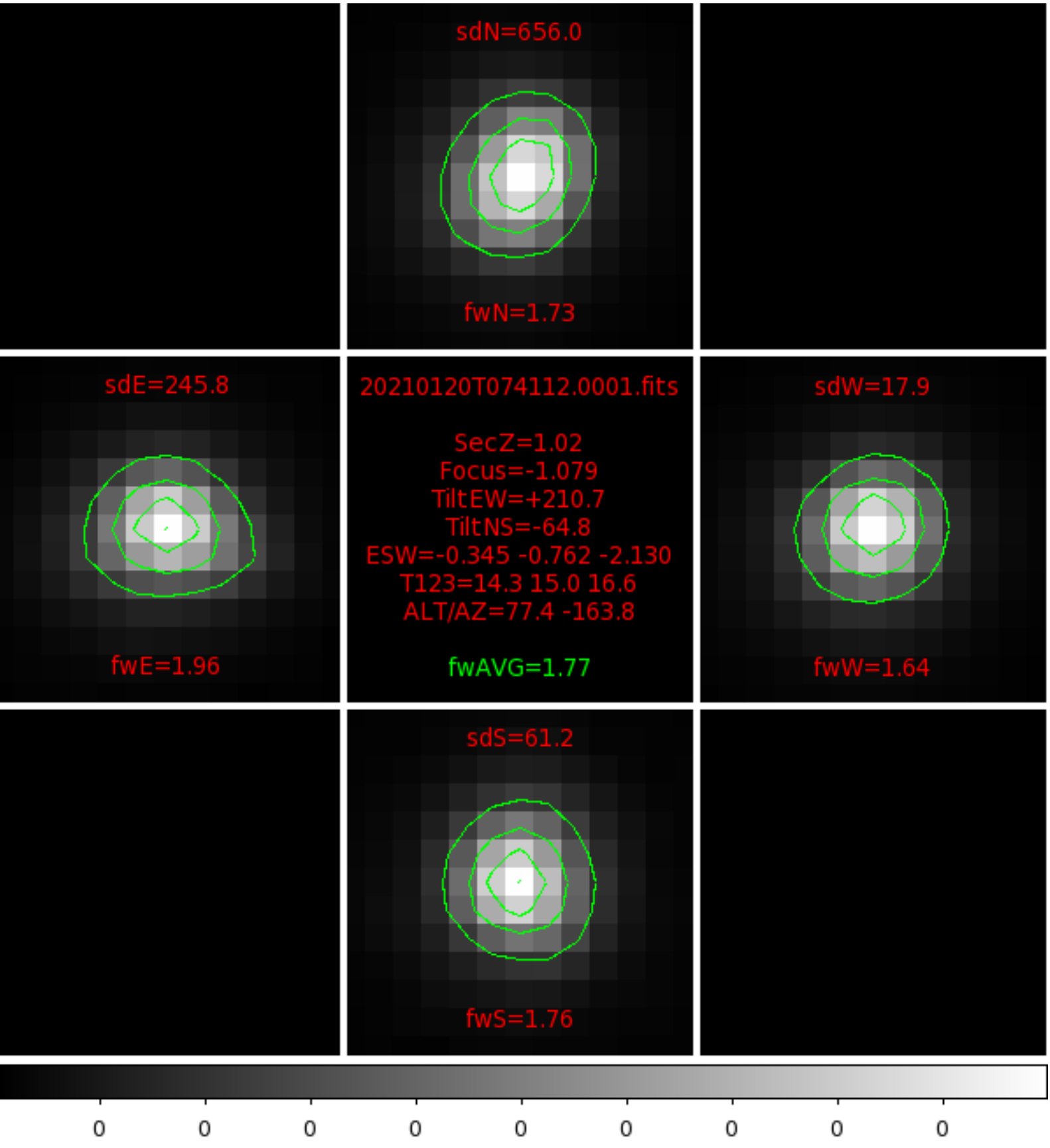
sdN=656.0
fwN=1.73
sdE=245.8
fwE=1.96
20210120T074112.0001.fits
SecZ=1.02
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.6
ALT/AZ=77.4 -163.8
fwAVG=1.77
sdW=17.9
fwW=1.64
sdS=61.2
fwS=1.76
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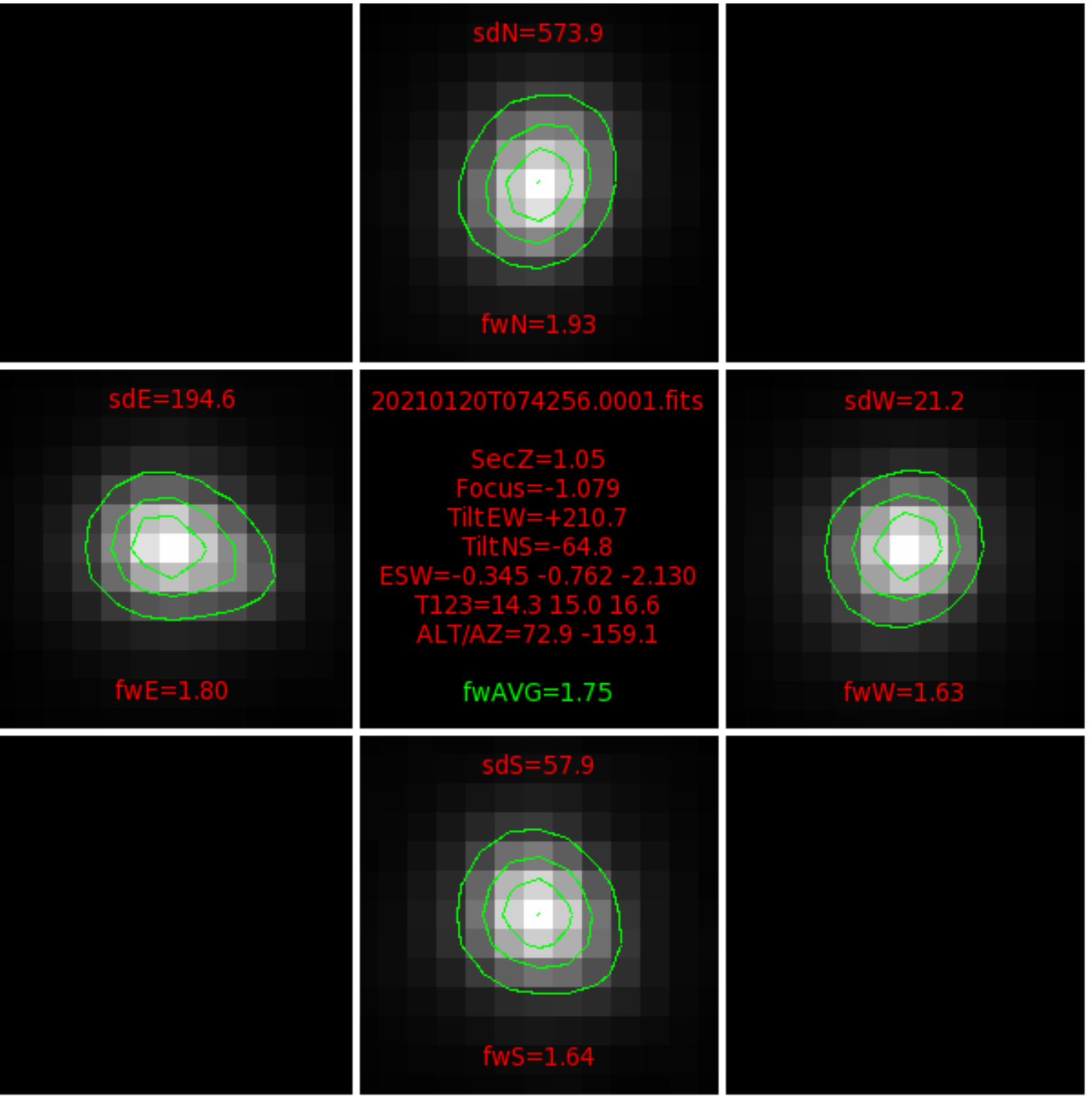
sdN=573.9
fwN=1.93
sdE=194.6
fwE=1.80
20210120T074256.0001.fits
SecZ=1.05
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.6
ALT/AZ=72.9 -159.1
fwAVG=1.75
sdW=21.2
fwW=1.63
sdS=57.9
fwS=1.64
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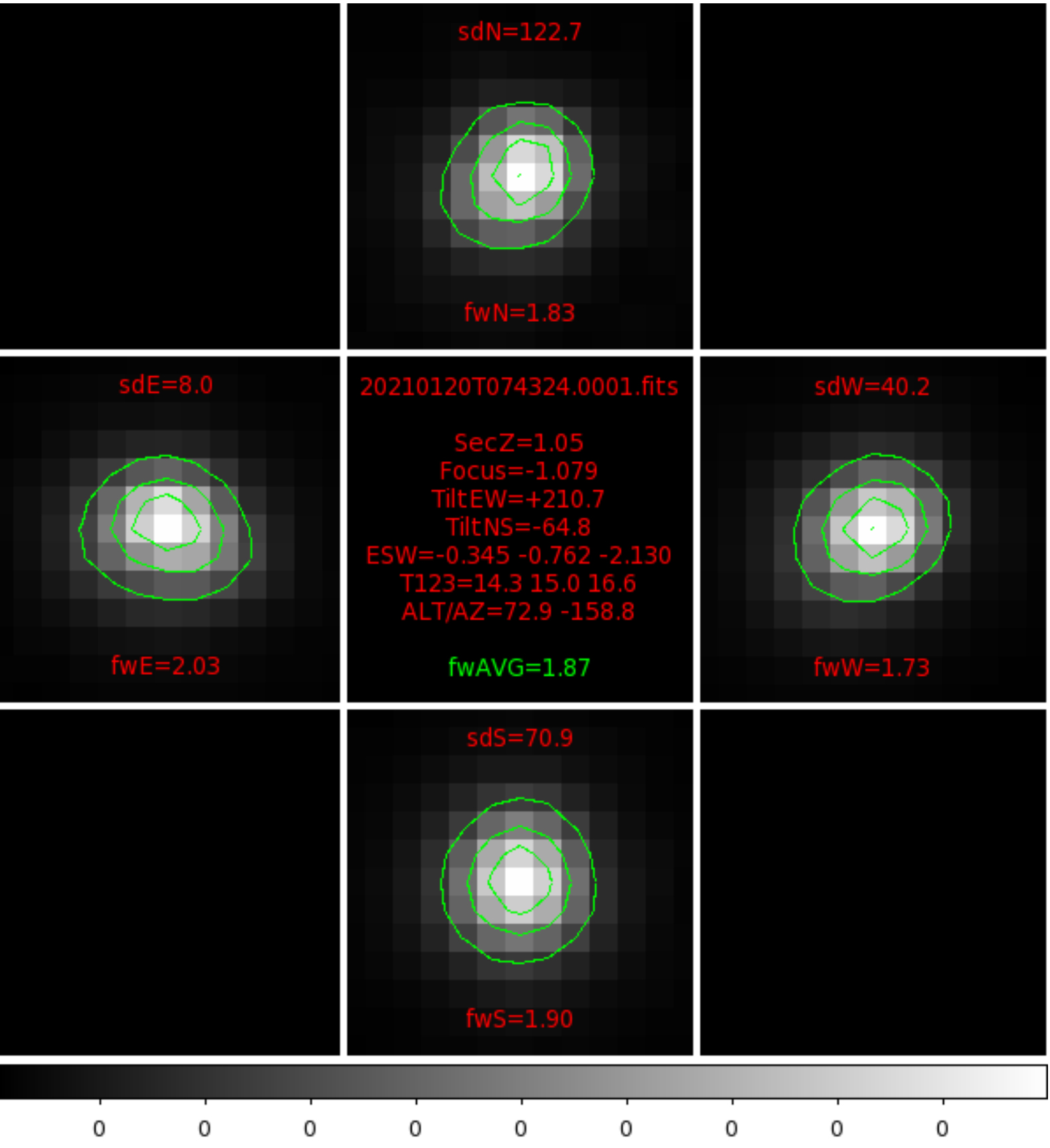
sdN=122.7
fwN=1.83
sdE=8.0
fwE=2.03
20210120T074324.0001.fits
SecZ=1.05
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.6
ALT/AZ=72.9 -158.8
fwAVG=1.87
sdW=40.2
fwW=1.73
sdS=70.9
fwS=1.90
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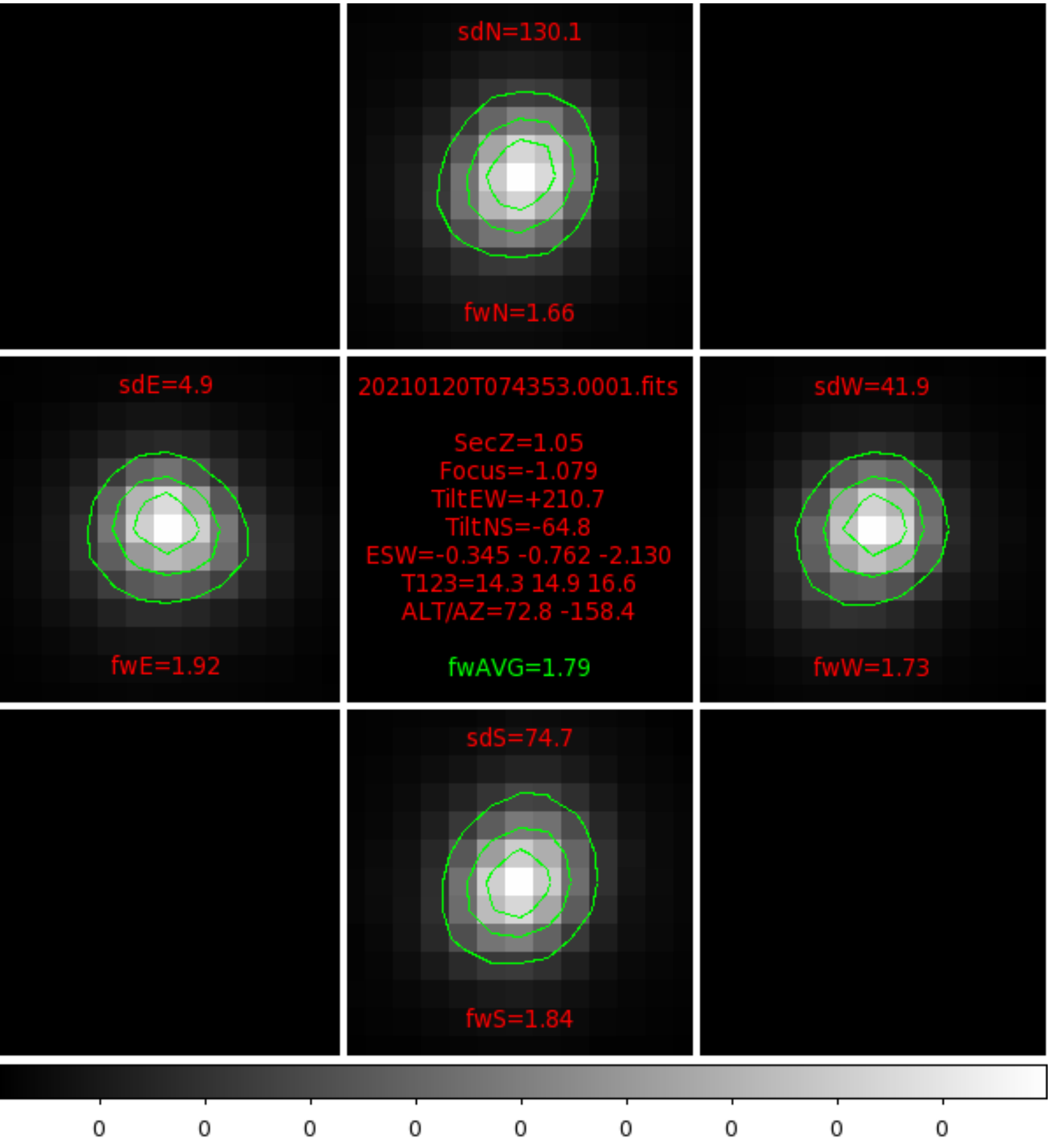
sdN=130.1
fwN=1.66
sdE=4.9
fwE=1.92
20210120T074353.0001.fits
SecZ=1.05
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=72.8 -158.4
fwAVG=1.79
sdW=41.9
fwW=1.73
sdS=74.7
fwS=1.84
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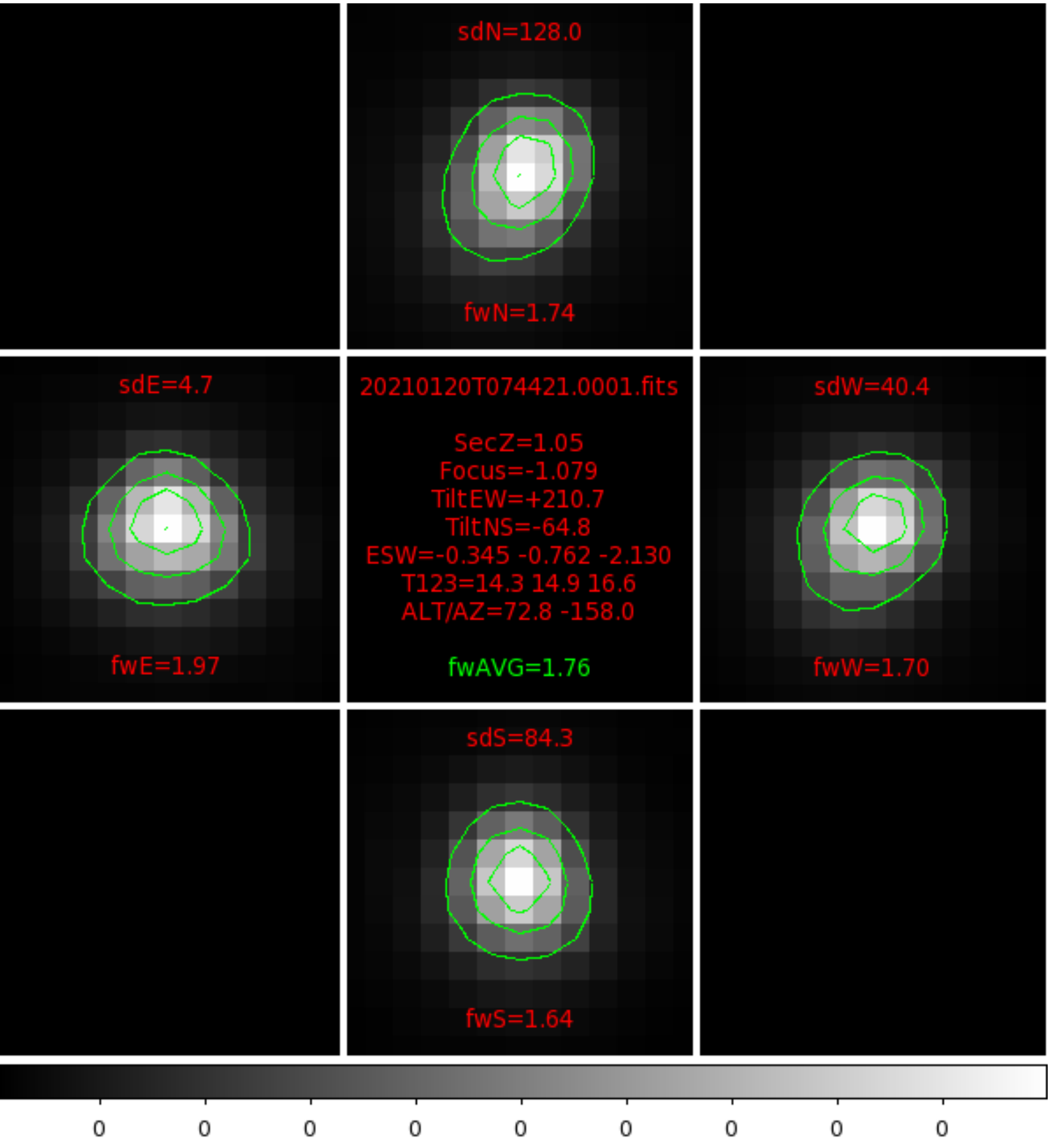
sdN=128.0
fwN=1.74
sdE=4.7
fwE=1.97
20210120T074421.0001.fits
SecZ=1.05
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=72.8 -158.0
fwAVG=1.76
sdW=40.4
fwW=1.70
sdS=84.3
fwS=1.64
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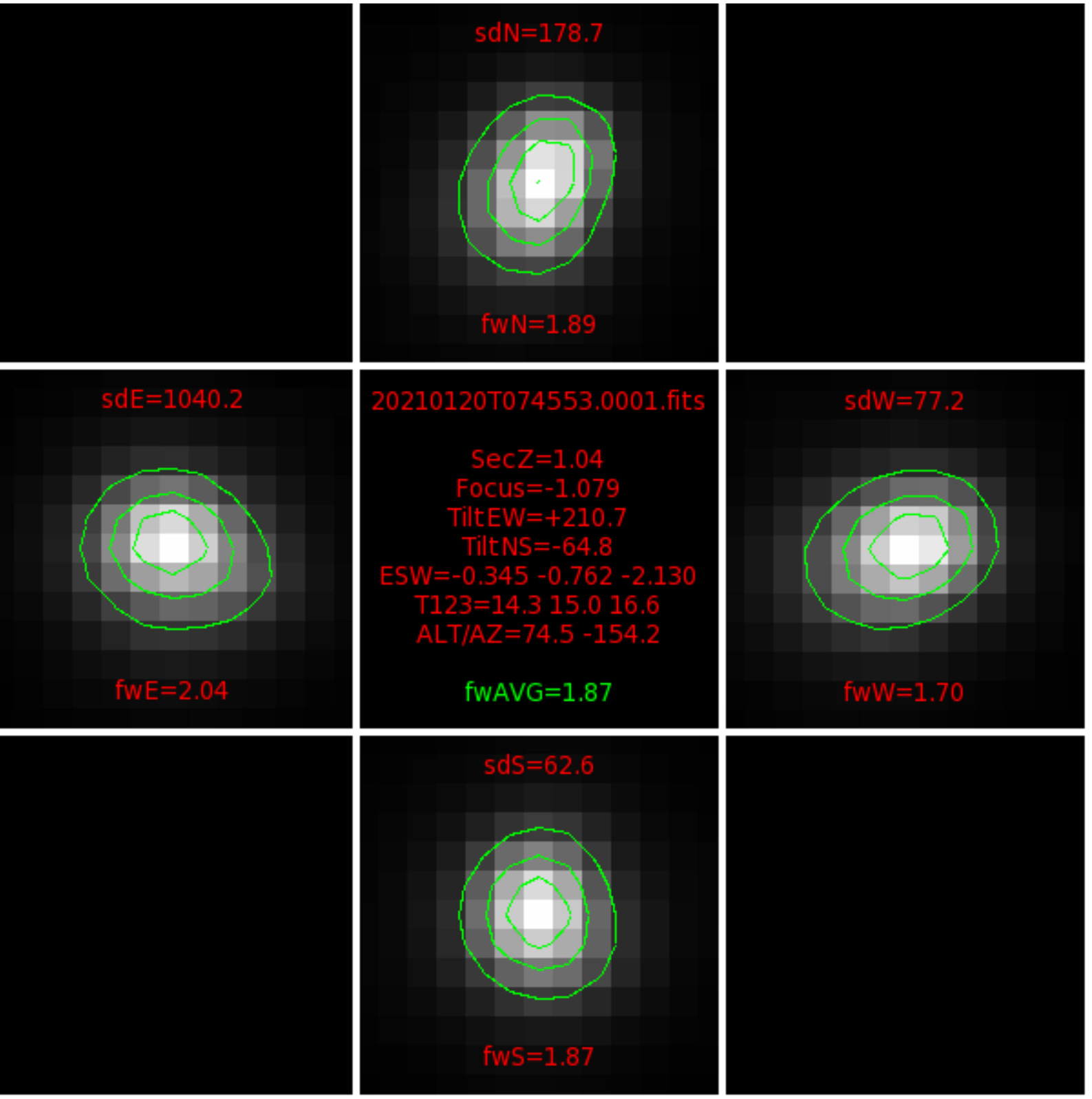
sdN=178.7
fwN=1.89
sdE=1040.2
fwE=2.04
20210120T074553.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 15.0 16.6
ALT/AZ=74.5 -154.2
fwAVG=1.87
sdW=77.2
fwW=1.70
sdS=62.6
fwS=1.87
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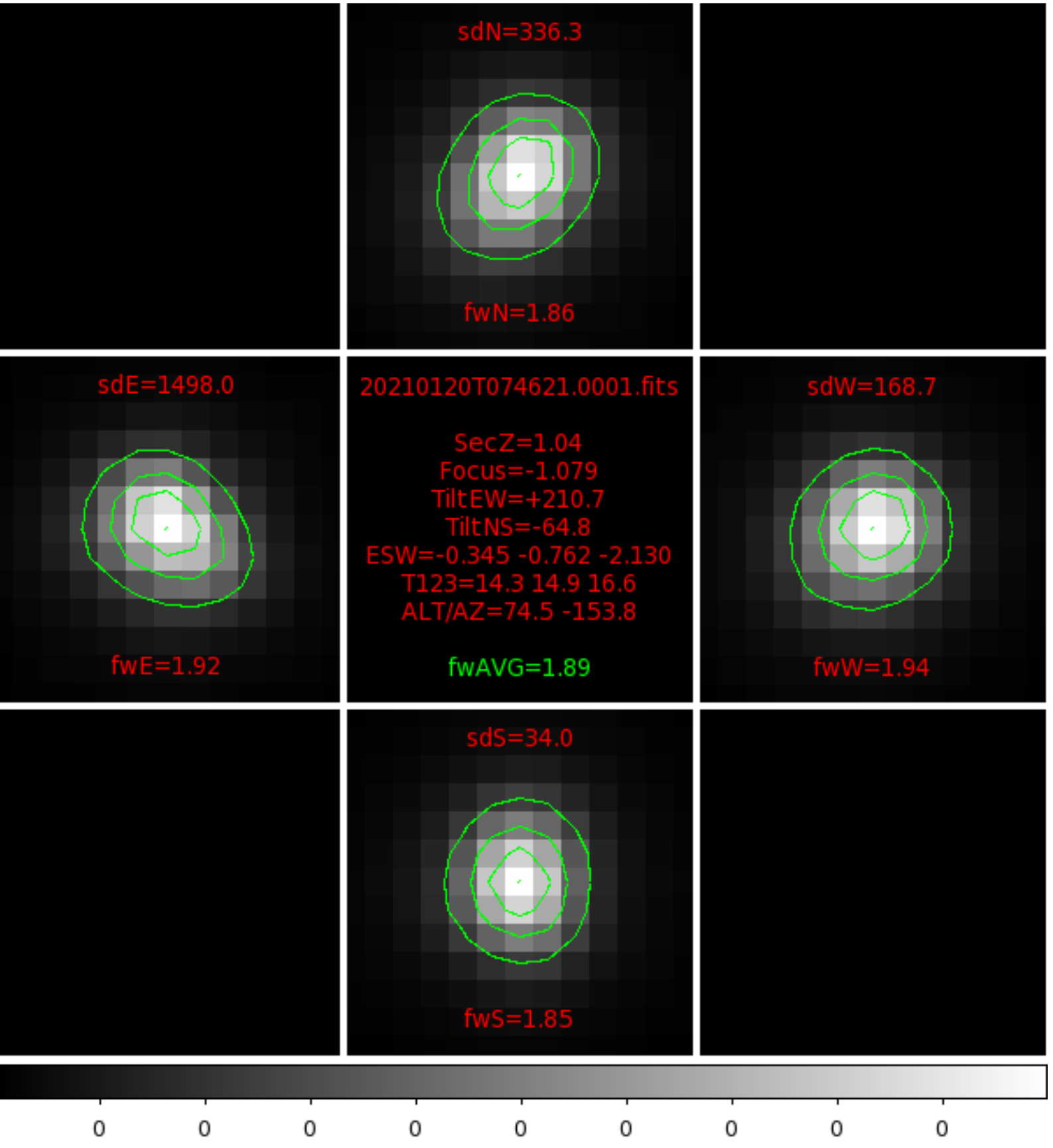
sdN=336.3
fwN=1.86
sdE=1498.0
fwE=1.92
20210120T074621.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=74.5 -153.8
fwAVG=1.89
sdW=168.7
fwW=1.94
sdS=34.0
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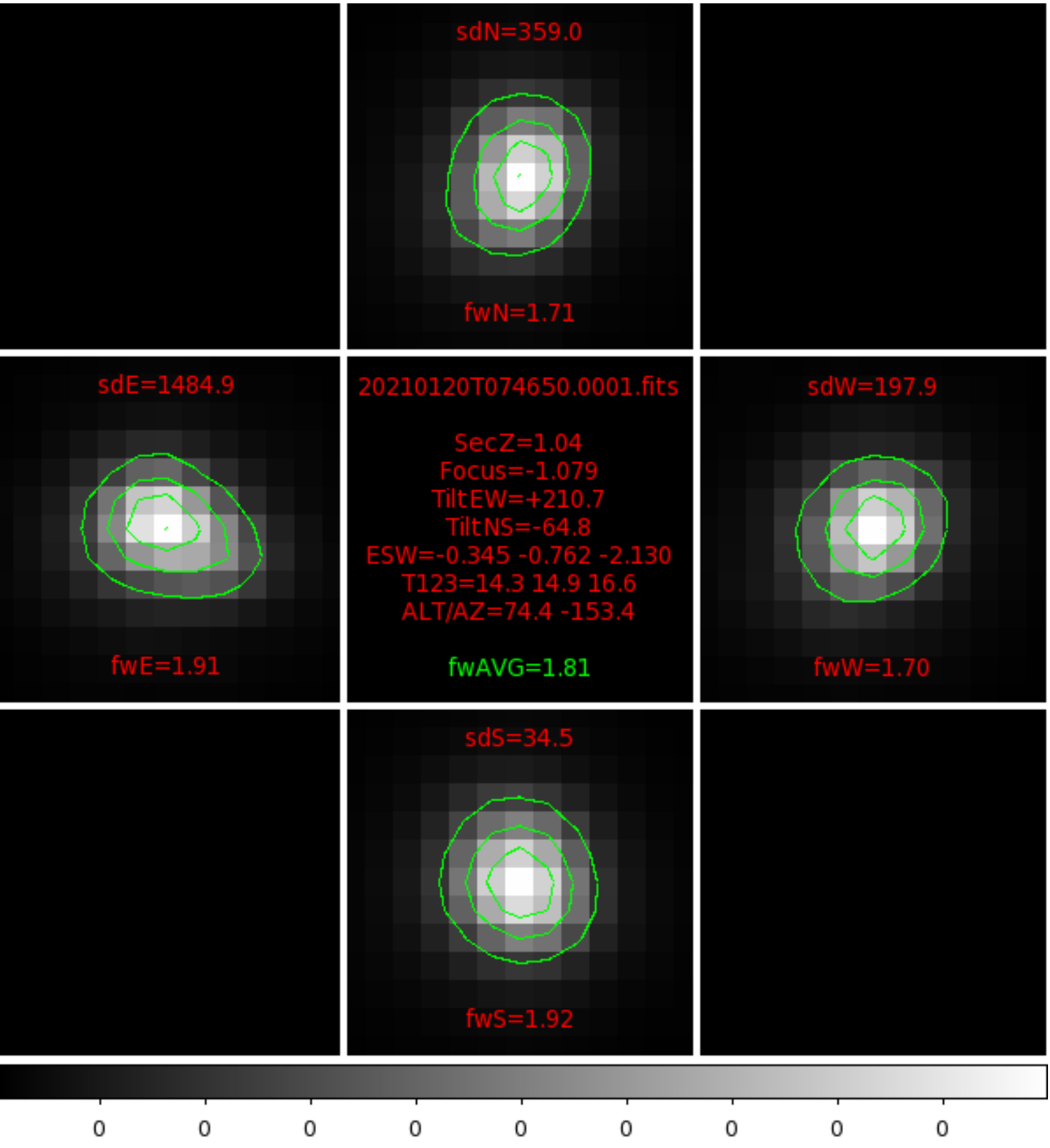
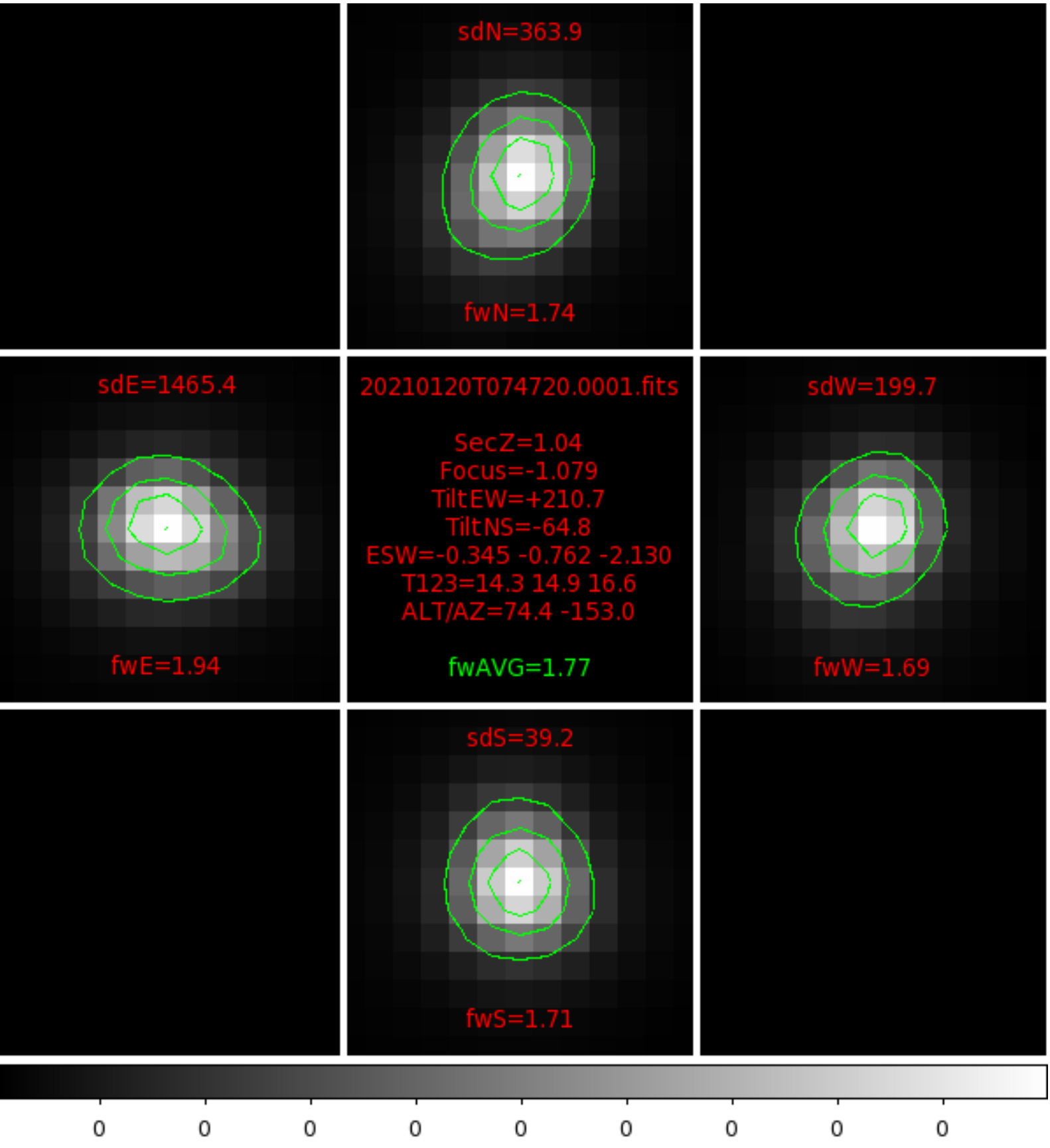

sdN=359.0
fwN=1.71
sdE=1484.9
fwE=1.91
20210120T074650.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=74.4 -153.4
fwAVG=1.81
sdW=197.9
fwW=1.70
sdS=34.5
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=363.9
fwN=1.74
sdE=1465.4
fwE=1.94
20210120T074720.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=74.4 -153.0
fwAVG=1.77
sdW=199.7
fwW=1.69
sdS=39.2
fwS=1.71
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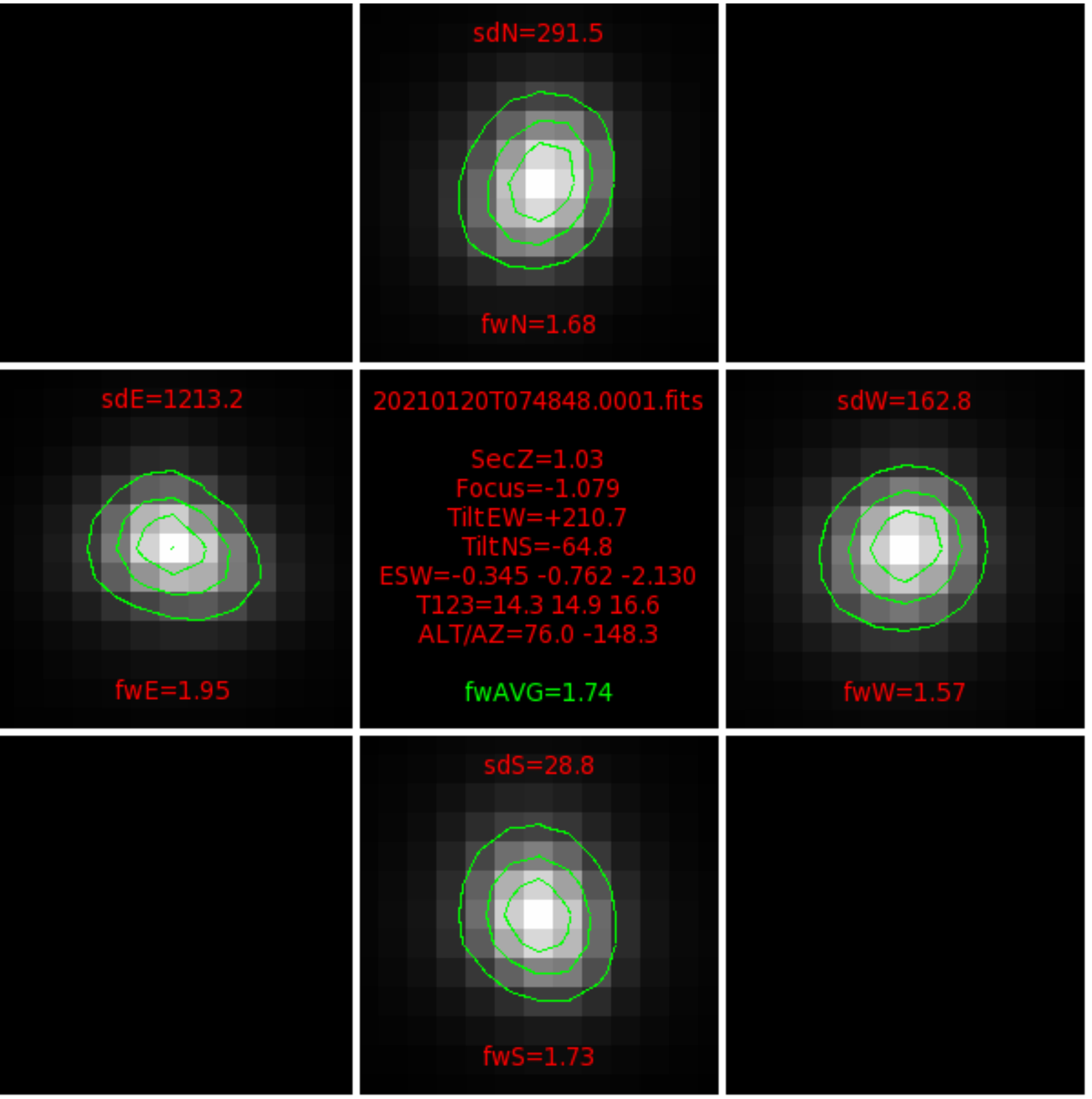
sdN=291.5
fwN=1.68
sdE=1213.2
fwE=1.95
20210120T074848.0001.fits
SecZ=1.03
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=76.0 -148.3
fwAVG=1.74
sdW=162.8
fwW=1.57
sdS=28.8
fwS=1.73
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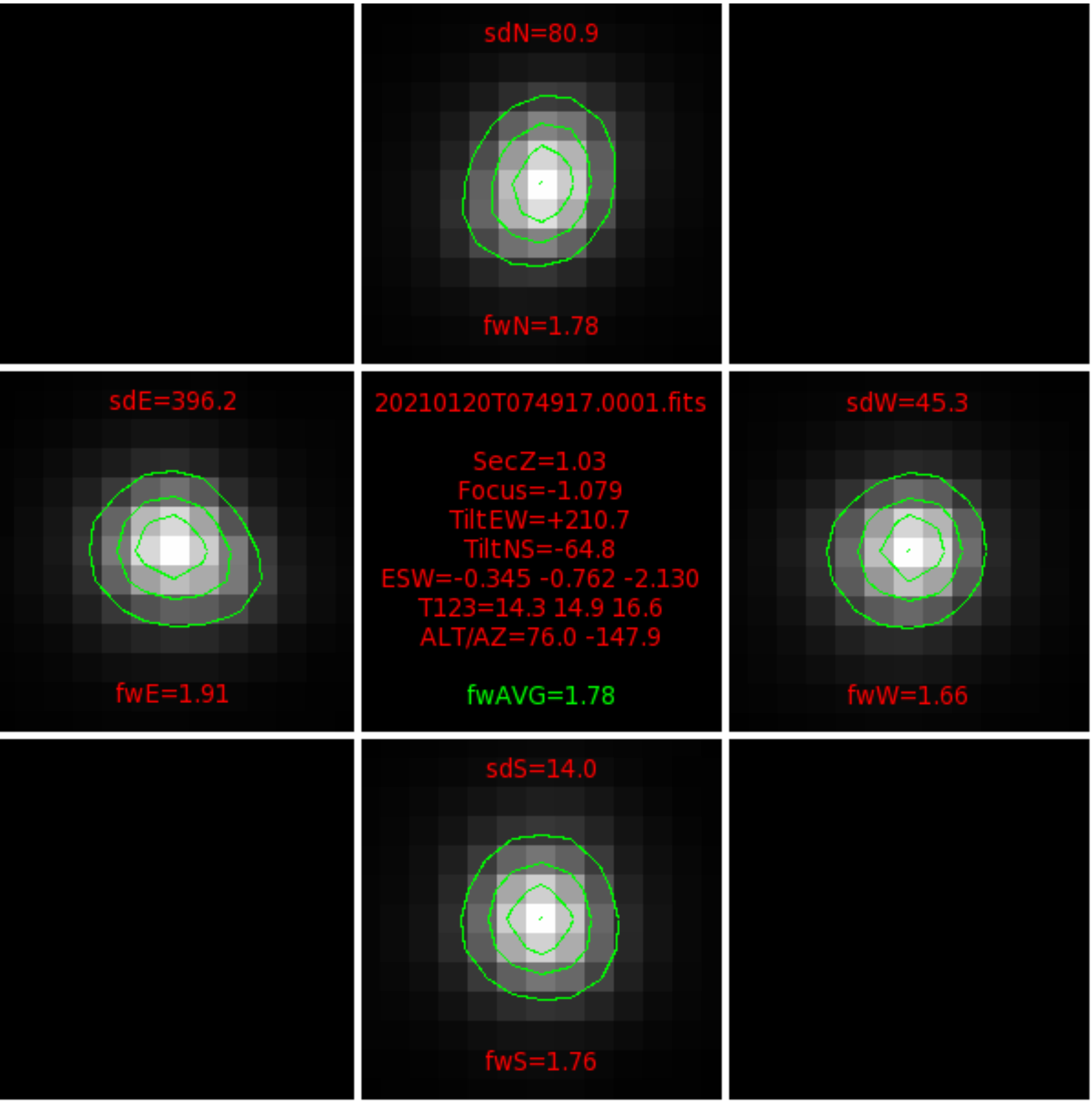
sdN=80.9
fwN=1.78
sdE=396.2
fwE=1.91
20210120T074917.0001.fits
SecZ=1.03
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=76.0 -147.9
fwAVG=1.78
sdW=45.3
fwW=1.66
sdS=14.0
fwS=1.76
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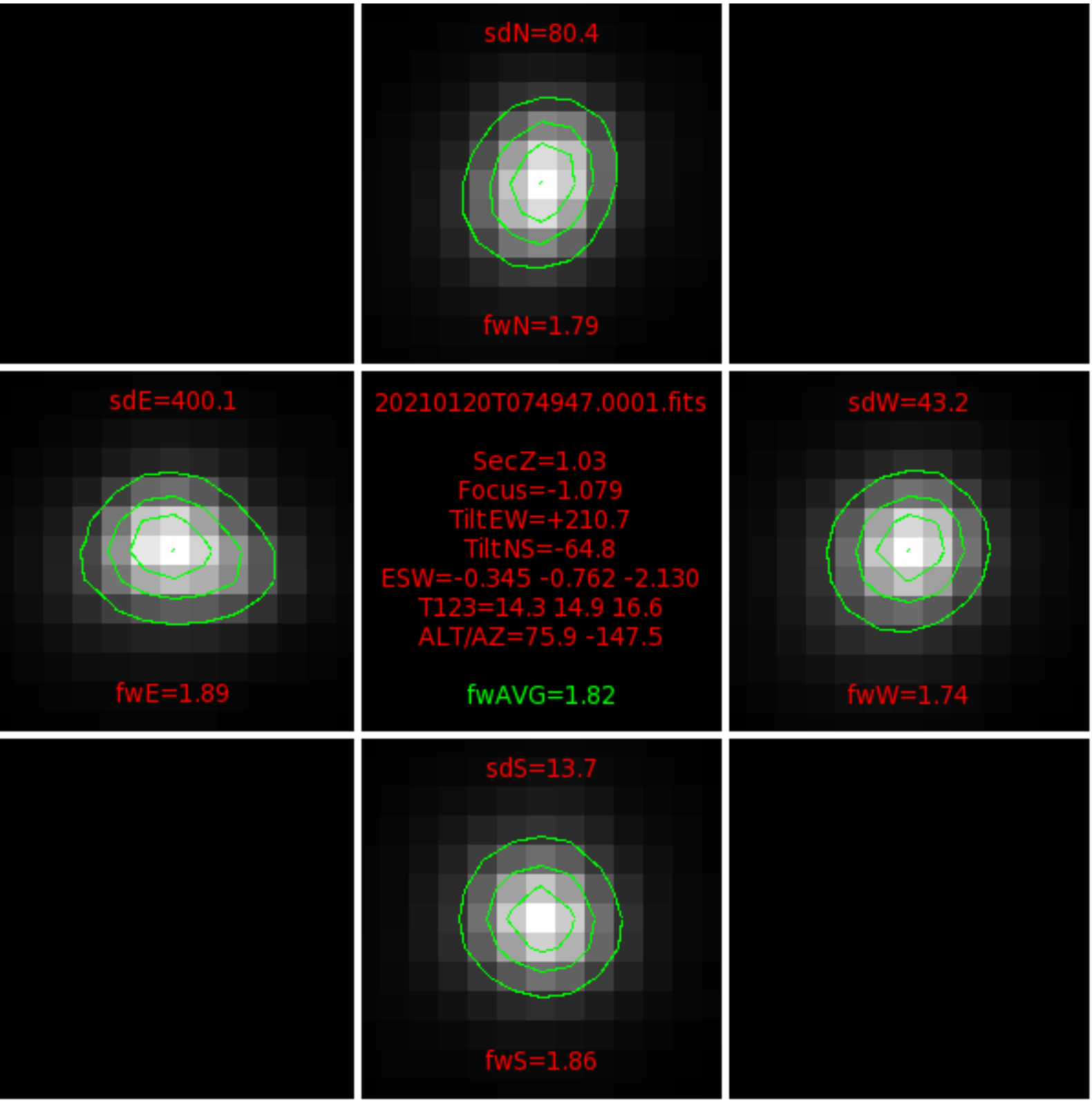
sdN=80.4
fwN=1.79
sdE=400.1
fwE=1.89
20210120T074947.0001.fits
SecZ=1.03
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=75.9 -147.5
fwAVG=1.82
sdW=43.2
fwW=1.74
sdS=13.7
fwS=1.86
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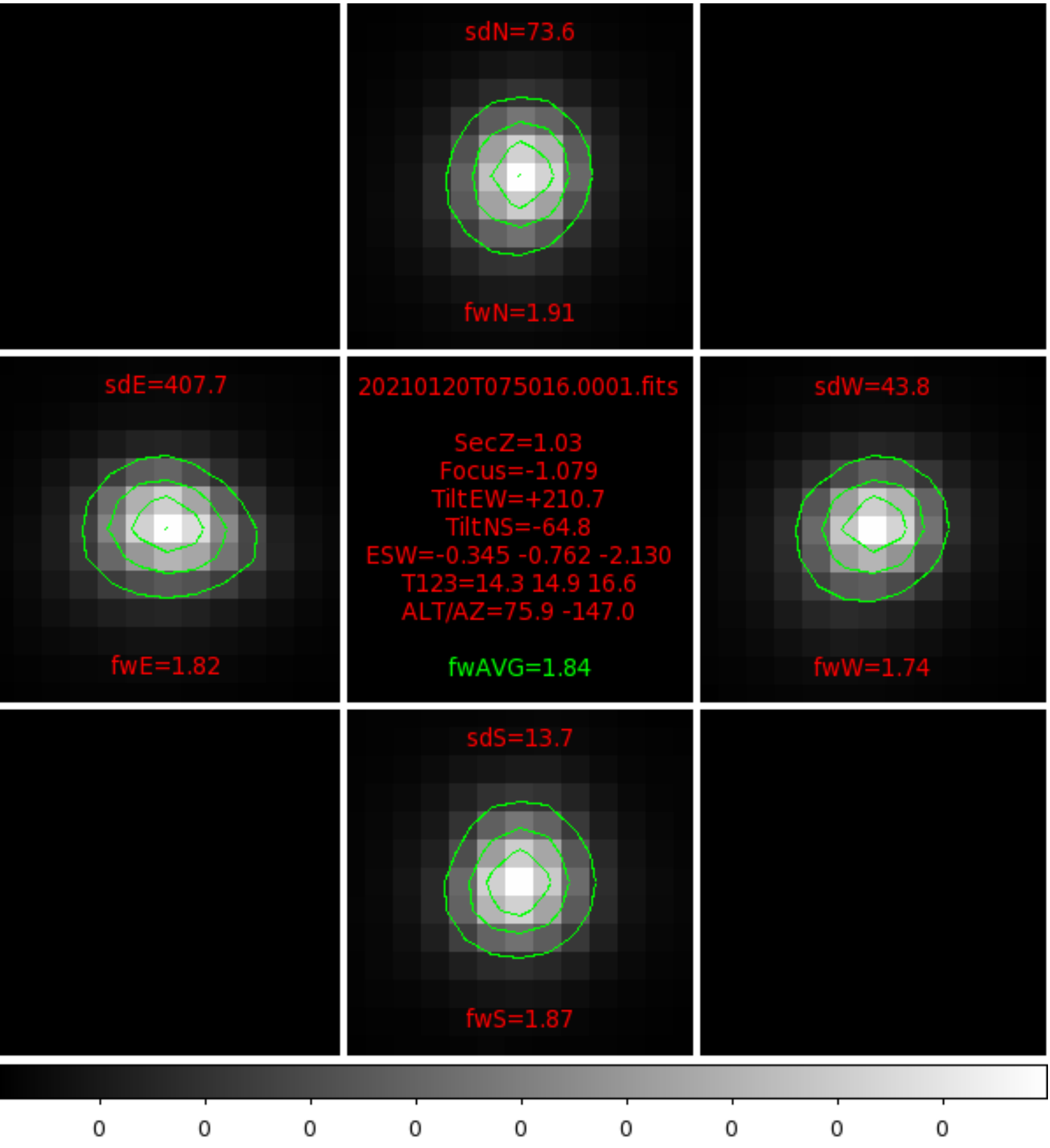
sdN=73.6
fwN=1.91
sdE=407.7
fwE=1.82
20210120T075016.0001.fits
SecZ=1.03
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=75.9 -147.0
fwAVG=1.84
sdW=43.8
fwW=1.74
sdS=13.7
fwS=1.87
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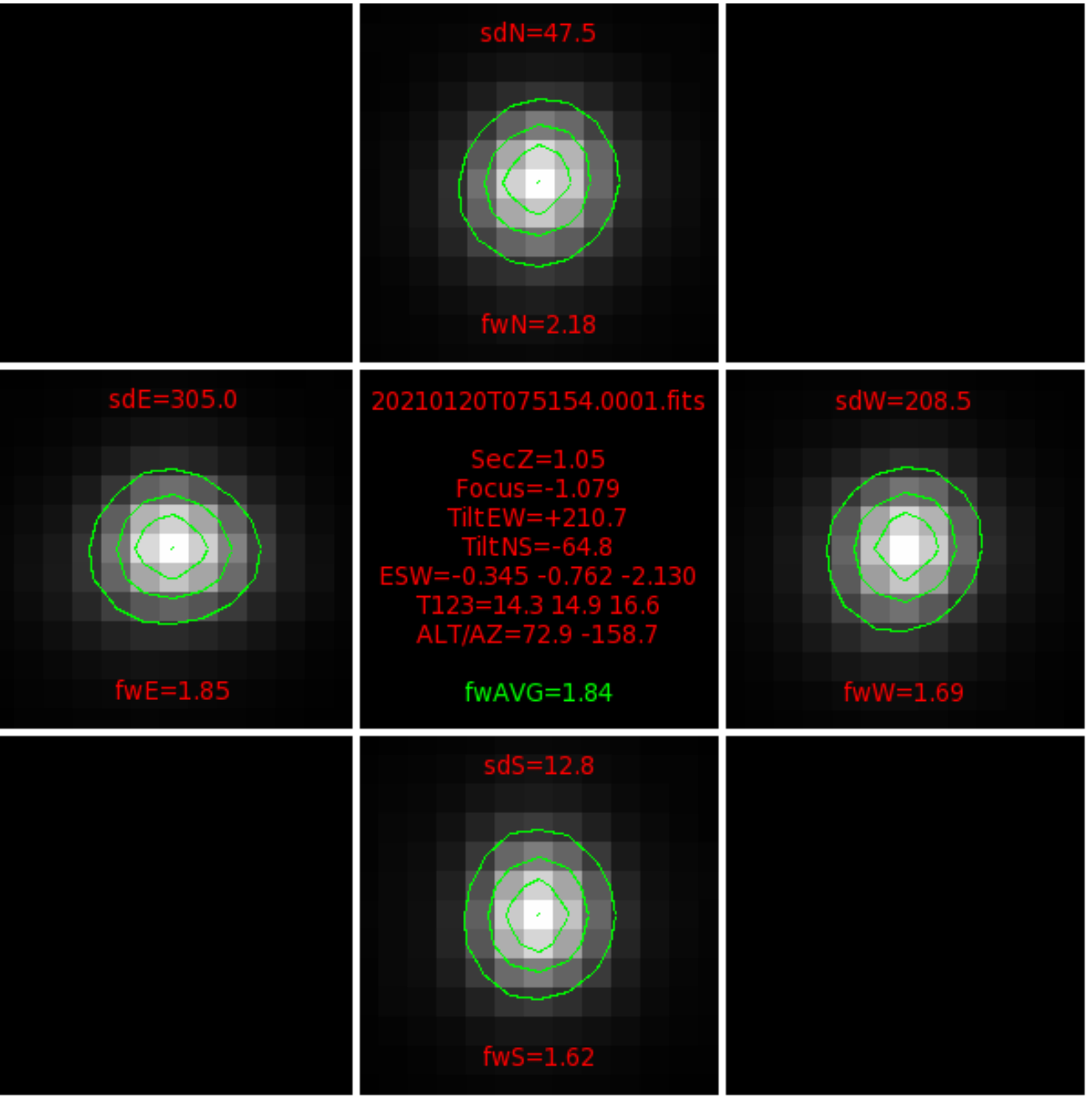
sdN=47.5
fwN=2.18
sdE=305.0
fwE=1.85
20210120T075154.0001.fits
SecZ=1.05
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=72.9 -158.7
fwAVG=1.84
sdW=208.5
fwW=1.69
sdS=12.8
fwS=1.62
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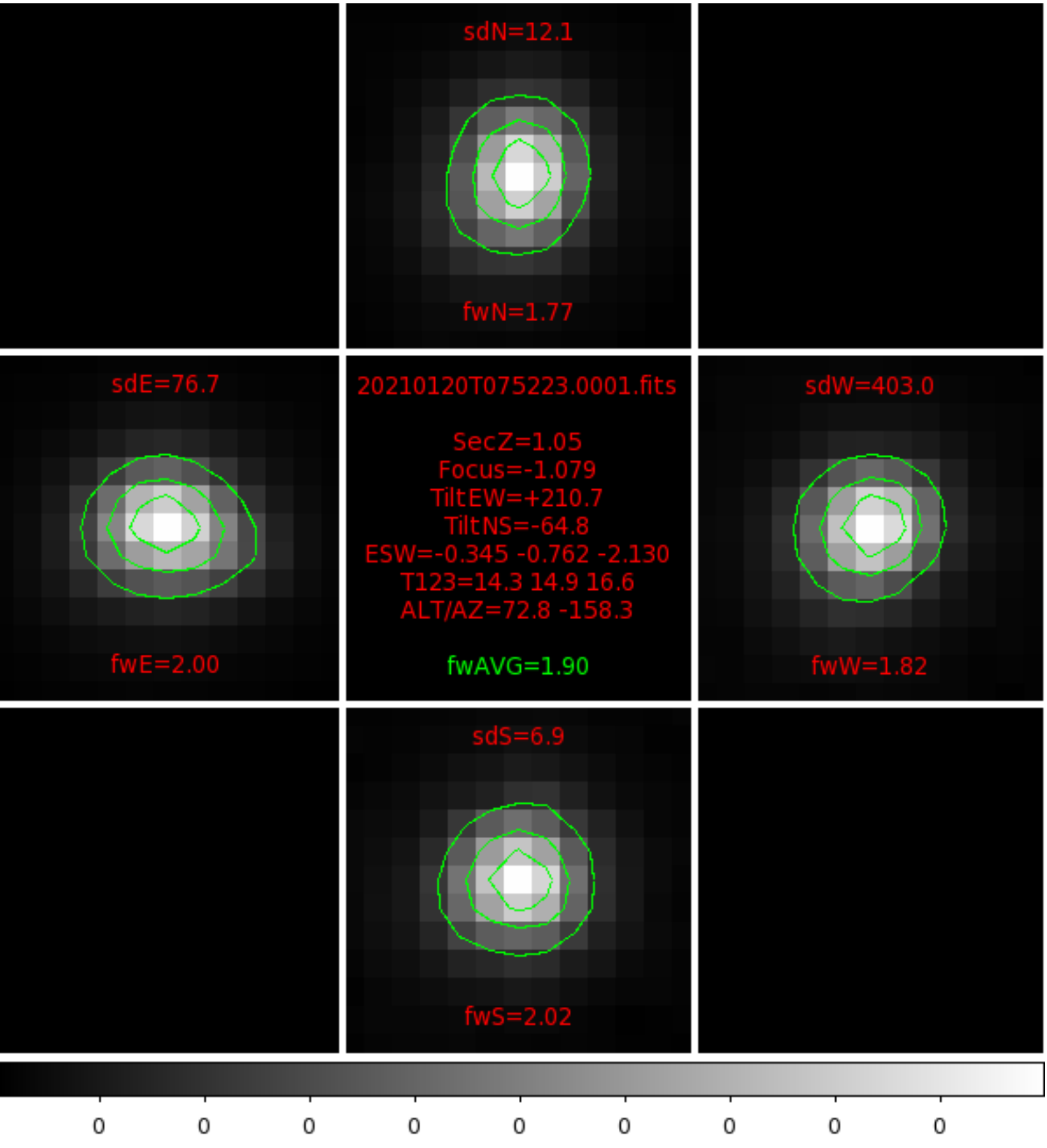
sdN=12.1
fwN=1.77
sdE=76.7
fwE=2.00
20210120T075223.0001.fits
SecZ=1.05
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=72.8 -158.3
fwAVG=1.90
sdW=403.0
fwW=1.82
sdS=6.9
fwS=2.02
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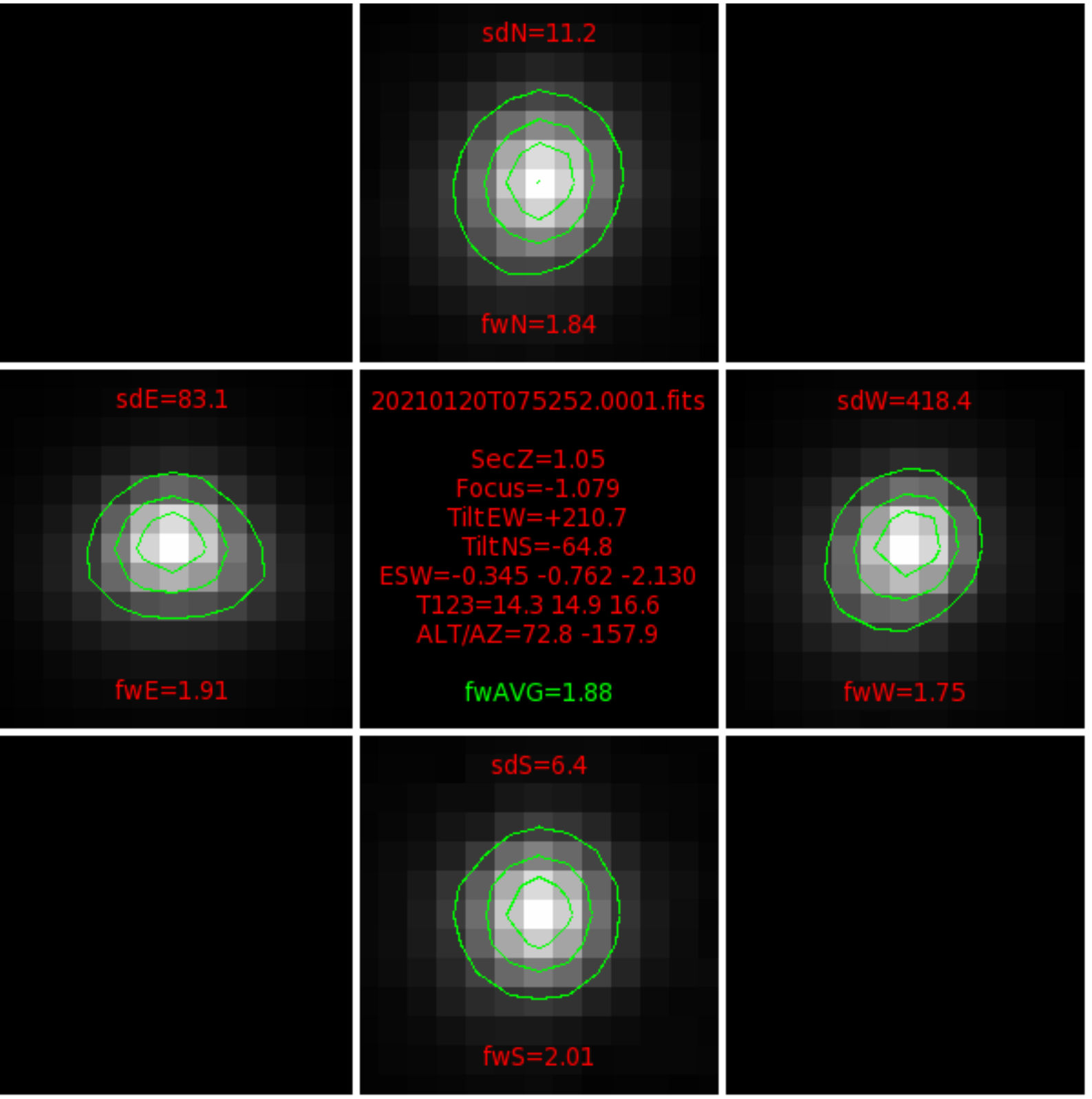
sdN=11.2
fwN=1.84
sdE=83.1
fwE=1.91
20210120T075252.0001.fits
SecZ=1.05
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=72.8 -157.9
fwAVG=1.88
sdW=418.4
fwW=1.75
sdS=6.4
fwS=2.01
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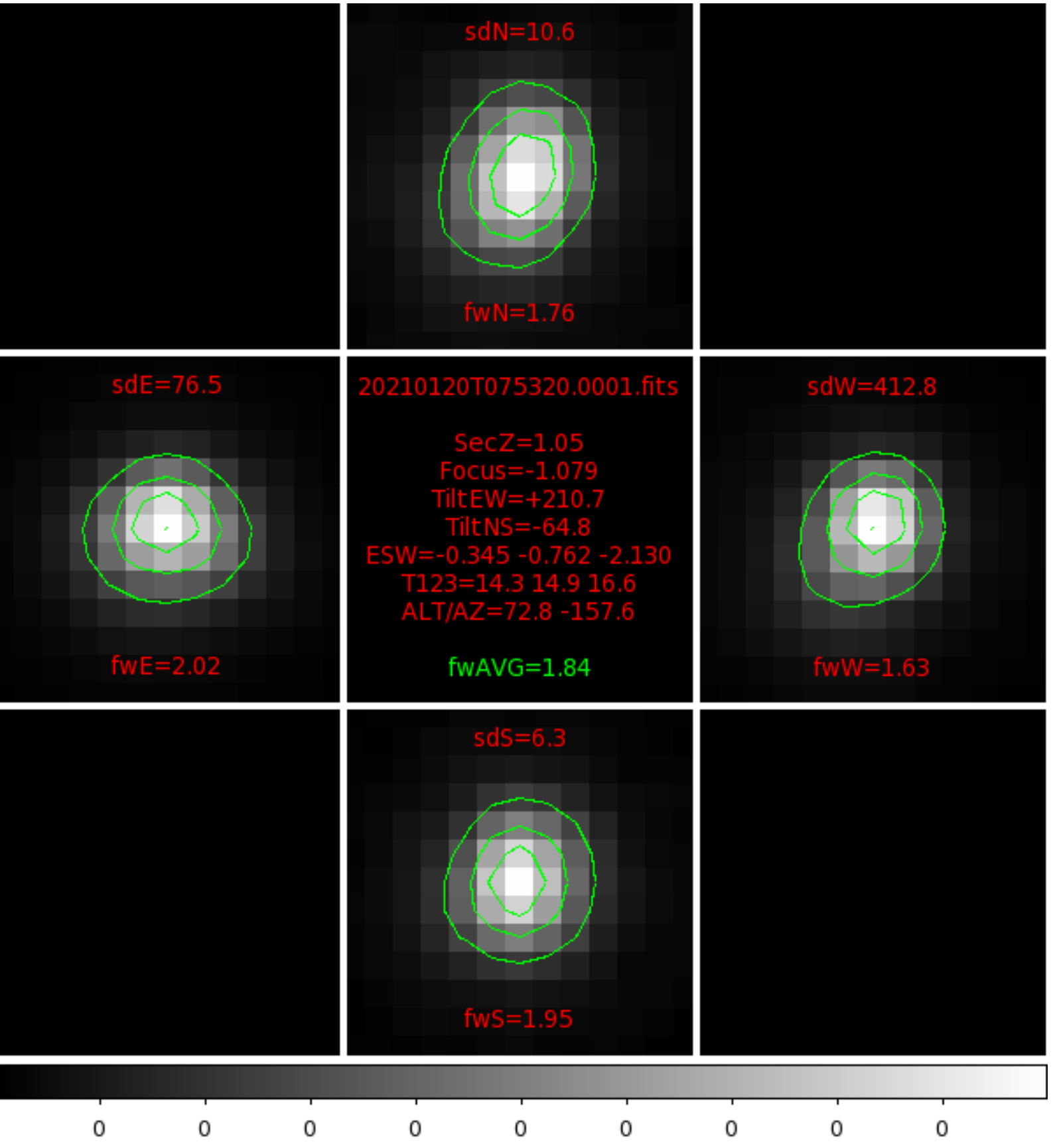
sdN=10.6
fwN=1.76
sdE=76.5
fwE=2.02
20210120T075320.0001.fits
SecZ=1.05
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=72.8 -157.6
fwAVG=1.84
sdW=412.8
fwW=1.63
sdS=6.3
fwS=1.95
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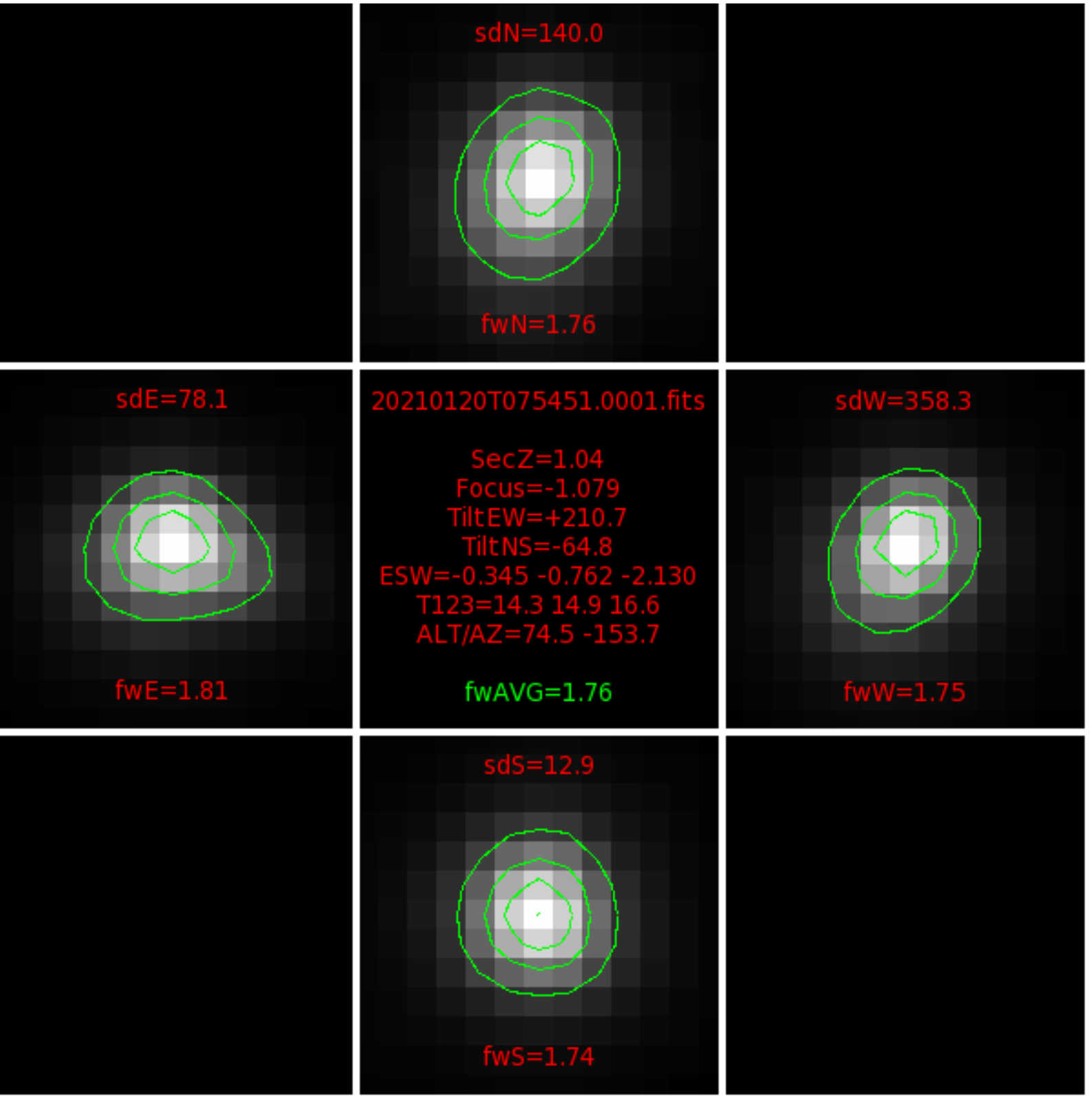
sdN=140.0
fwN=1.76
sdE=78.1
fwE=1.81
20210120T075451.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=74.5 -153.7
fwAVG=1.76
sdW=358.3
fwW=1.75
sdS=12.9
fwS=1.74
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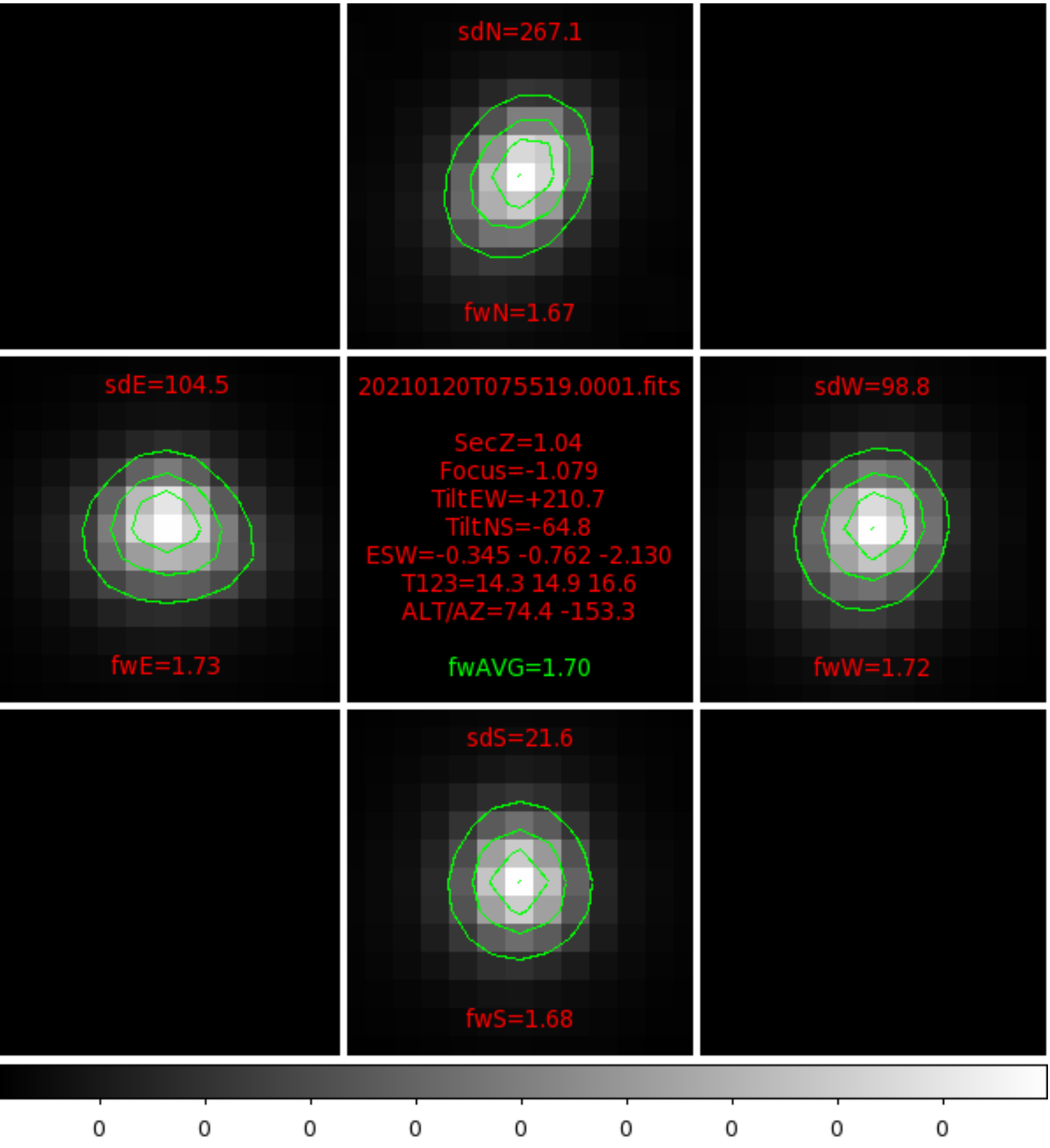
sdN=267.1
fwN=1.67
sdE=104.5
fwE=1.73
20210120T075519.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=74.4 -153.3
fwAVG=1.70
sdW=98.8
fwW=1.72
sdS=21.6
fwS=1.68
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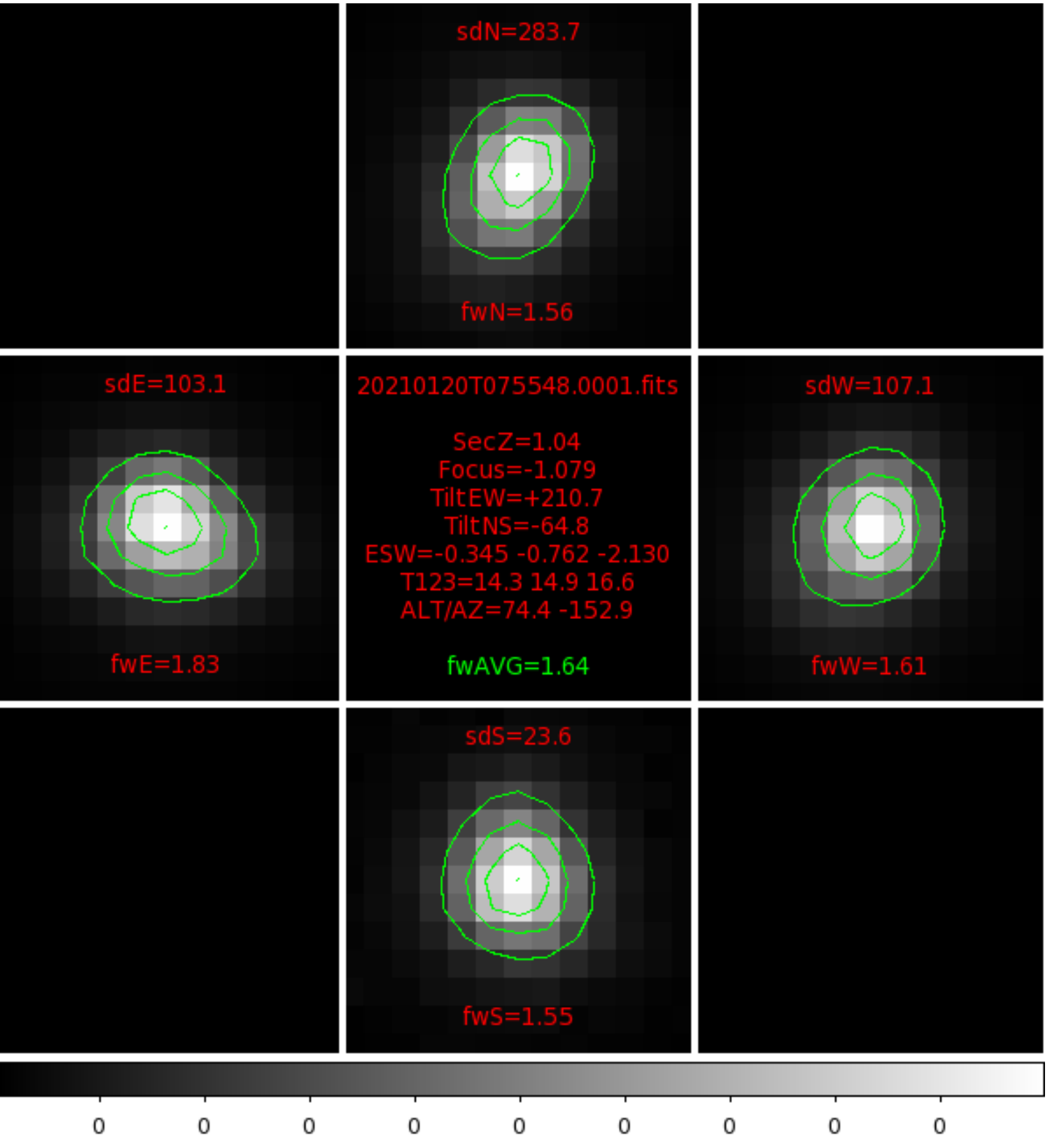
sdN=283.7
fwN=1.56
sdE=103.1
fwE=1.83
20210120T075548.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=74.4 -152.9
fwAVG=1.64
sdW=107.1
fwW=1.61
sdS=23.6
fwS=1.55
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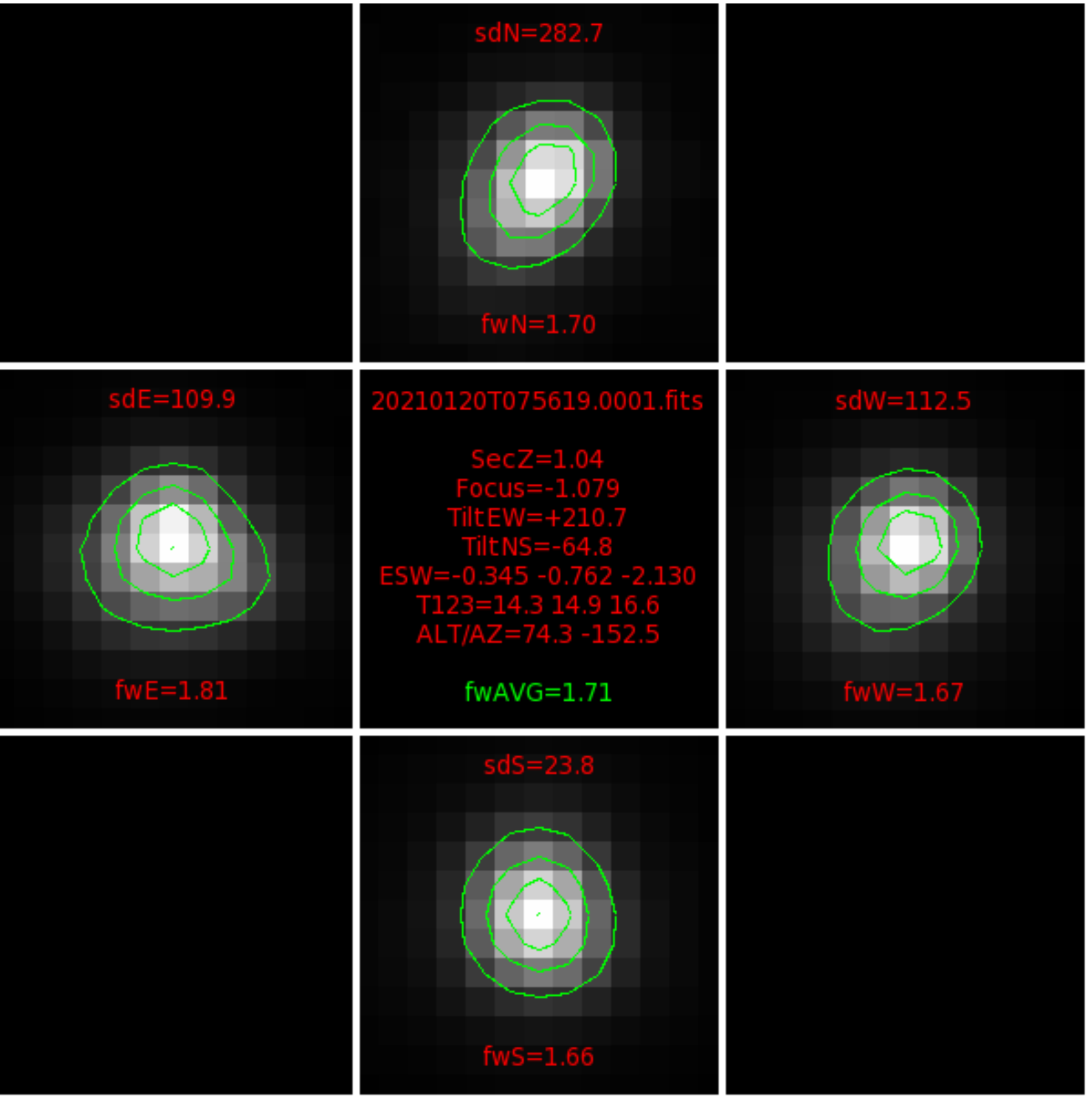
sdN=282.7
fwN=1.70
sdE=109.9
fwE=1.81
20210120T075619.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=74.3 -152.5
fwAVG=1.71
sdW=112.5
fwW=1.67
sdS=23.8
fwS=1.66
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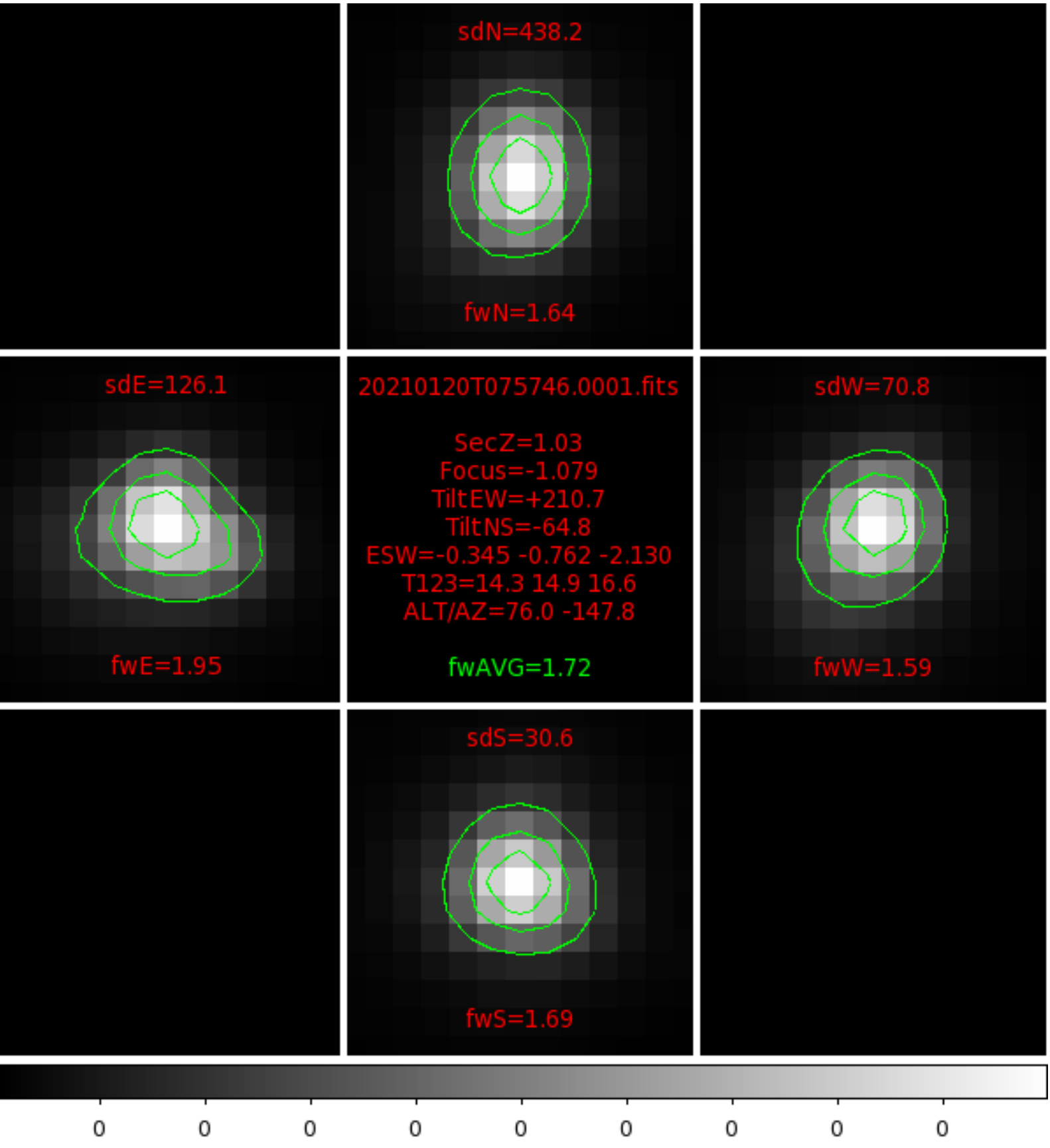
sdN=438.2
fwN=1.64
sdE=126.1
fwE=1.95
20210120T075746.0001.fits
SecZ=1.03
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=76.0 -147.8
fwAVG=1.72
sdW=70.8
fwW=1.59
sdS=30.6
fwS=1.69
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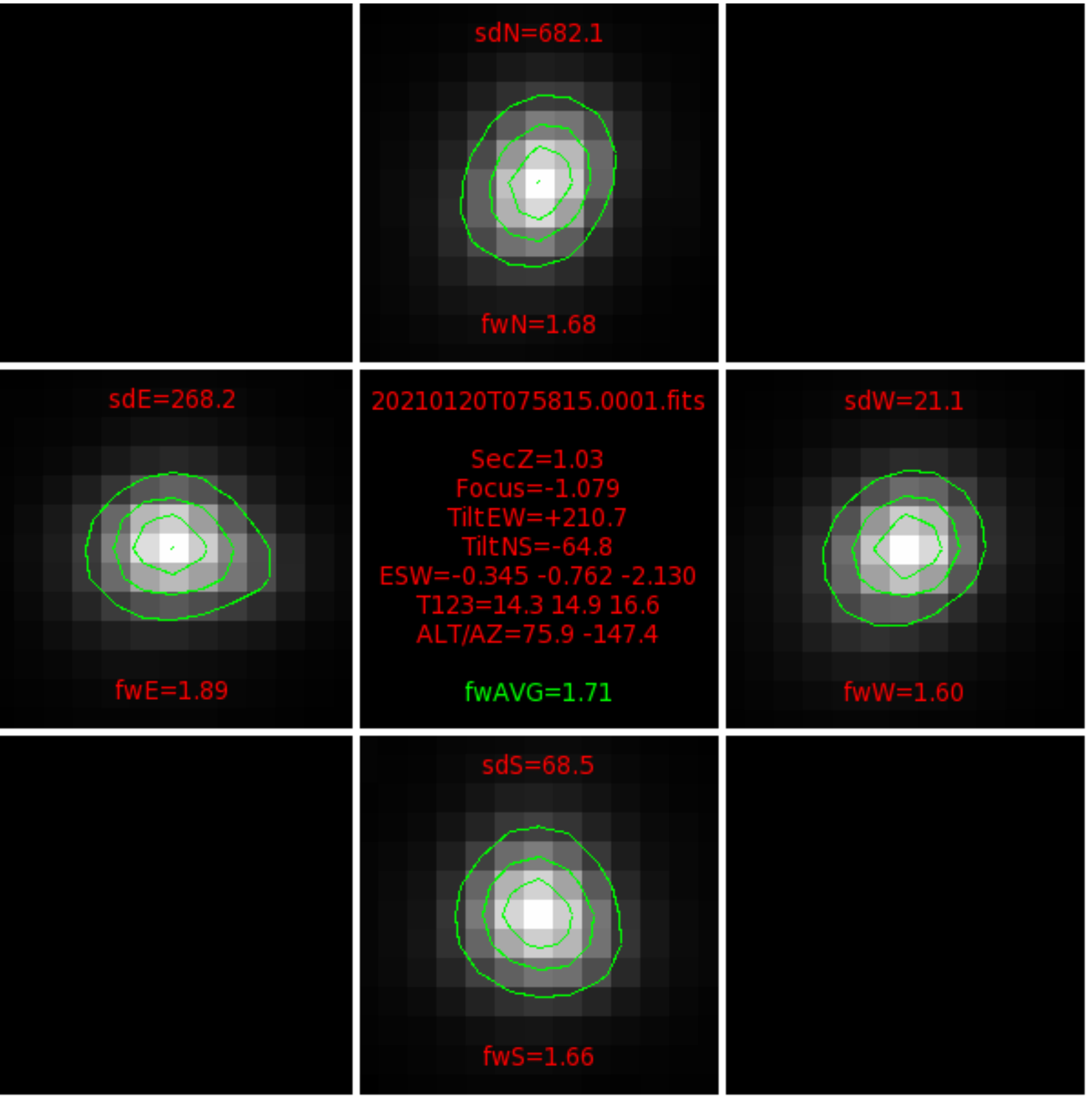
sdN=682.1
fwN=1.68
sdE=268.2
fwE=1.89
20210120T075815.0001.fits
SecZ=1.03
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=75.9 -147.4
fwAVG=1.71
sdW=21.1
fwW=1.60
sdS=68.5
fwS=1.66
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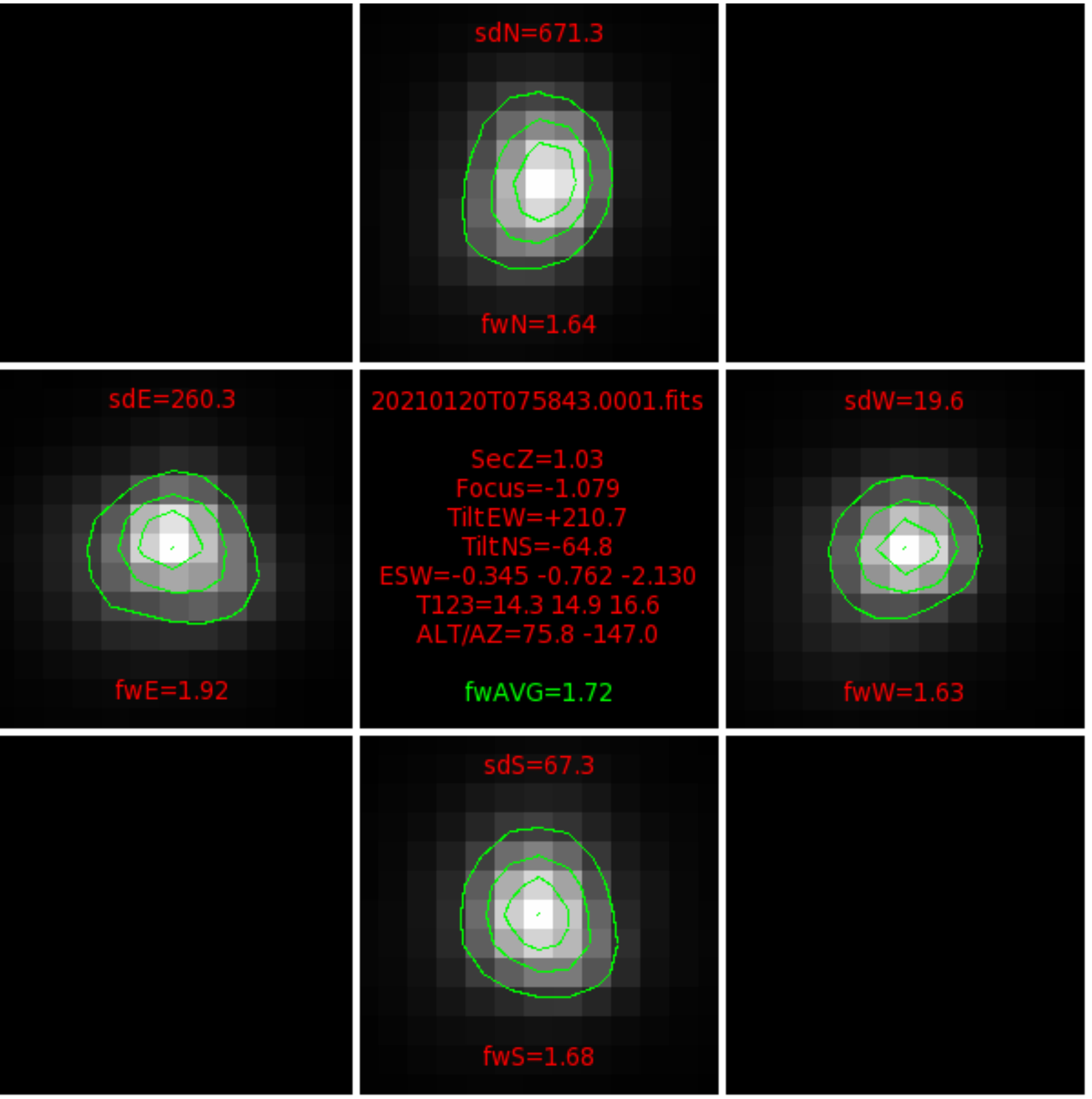
sdN=671.3
fwN=1.64
sdE=260.3
fwE=1.92
20210120T075843.0001.fits
SecZ=1.03
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=75.8 -147.0
fwAVG=1.72
sdW=19.6
fwW=1.63
sdS=67.3
fwS=1.68
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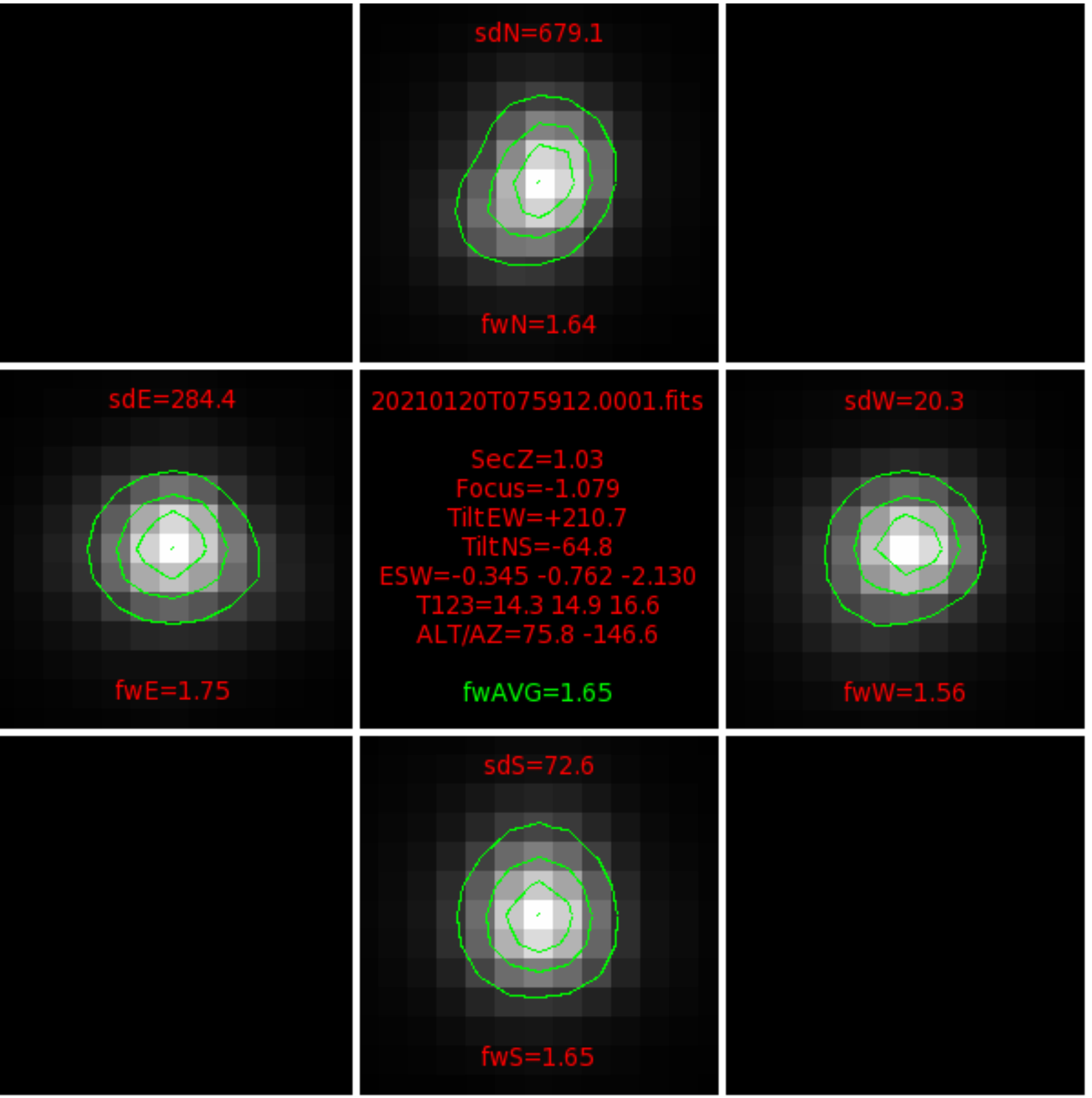
sdN=679.1
fwN=1.64
sdE=284.4
fwE=1.75
20210120T075912.0001.fits
SecZ=1.03
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=75.8 -146.6
fwAVG=1.65
sdW=20.3
fwW=1.56
sdS=72.6
fwS=1.65
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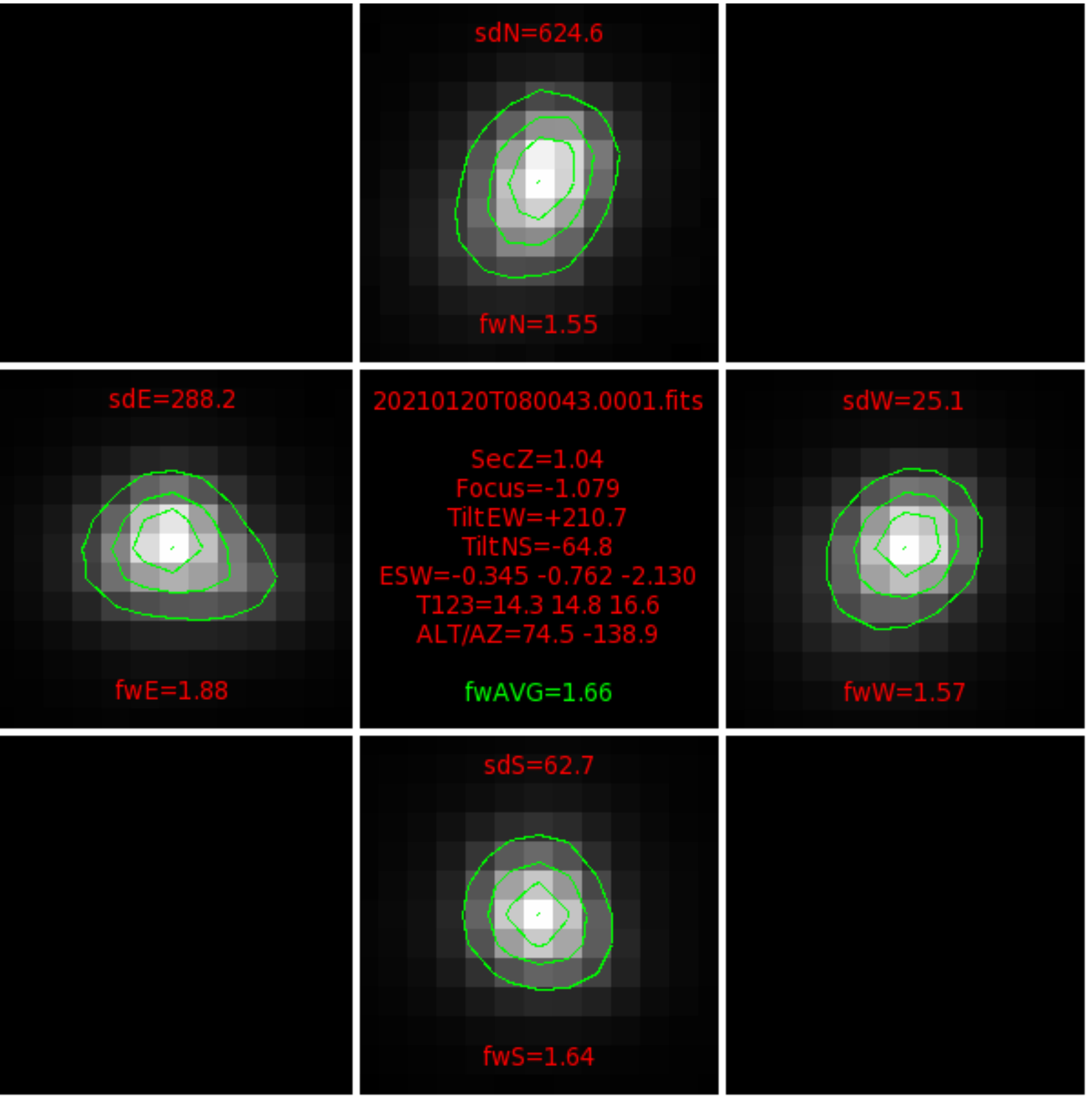
sdN=624.6
fwN=1.55
sdE=288.2
fwE=1.88
20210120T080043.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.8 16.6
ALT/AZ=74.5 -138.9
fwAVG=1.66
sdW=25.1
fwW=1.57
sdS=62.7
fwS=1.64
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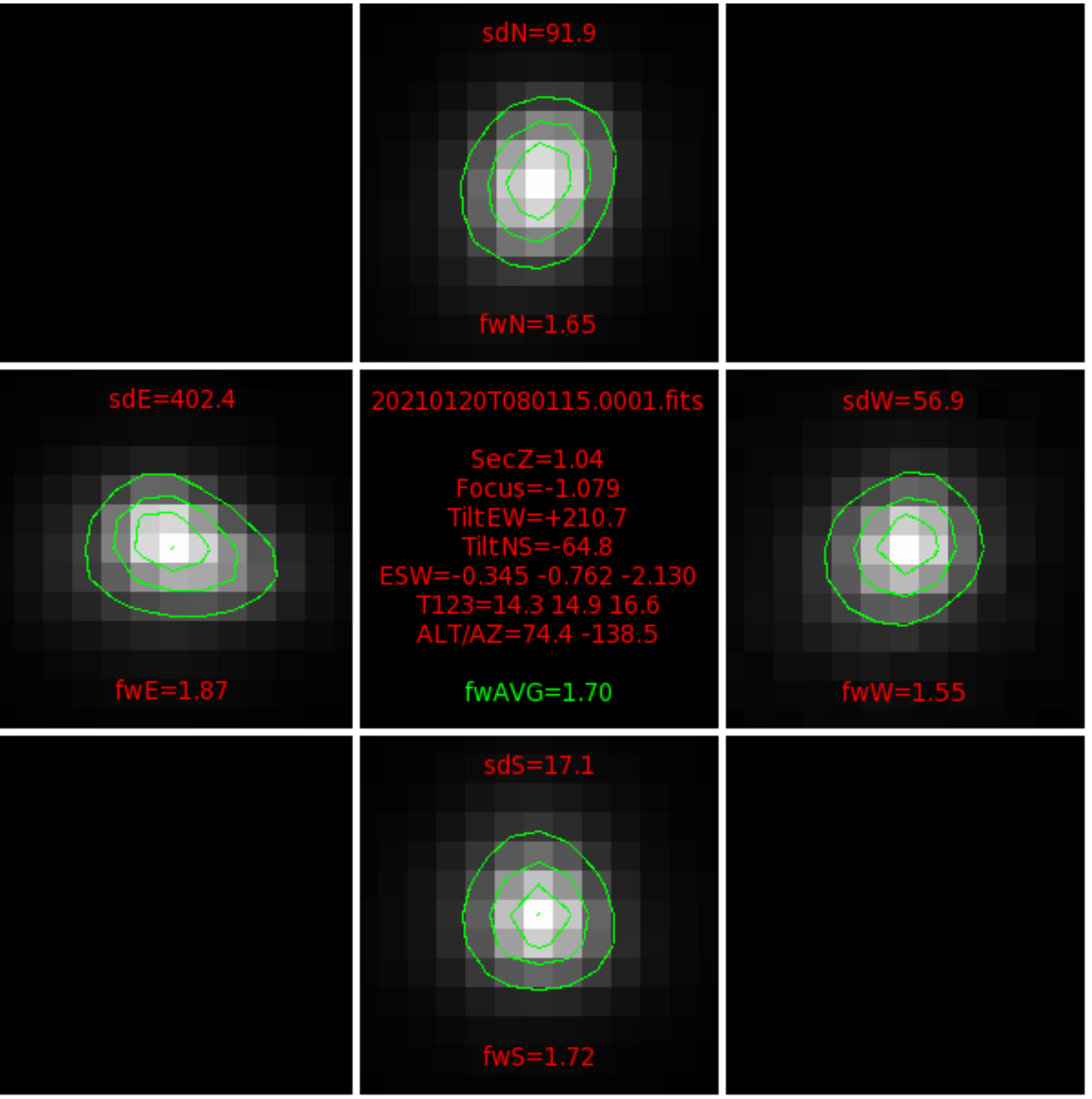
sdN=91.9
fwN=1.65
sdE=402.4
fwE=1.87
20210120T080115.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=74.4 -138.5
fwAVG=1.70
sdW=56.9
fwW=1.55
sdS=17.1
fwS=1.72
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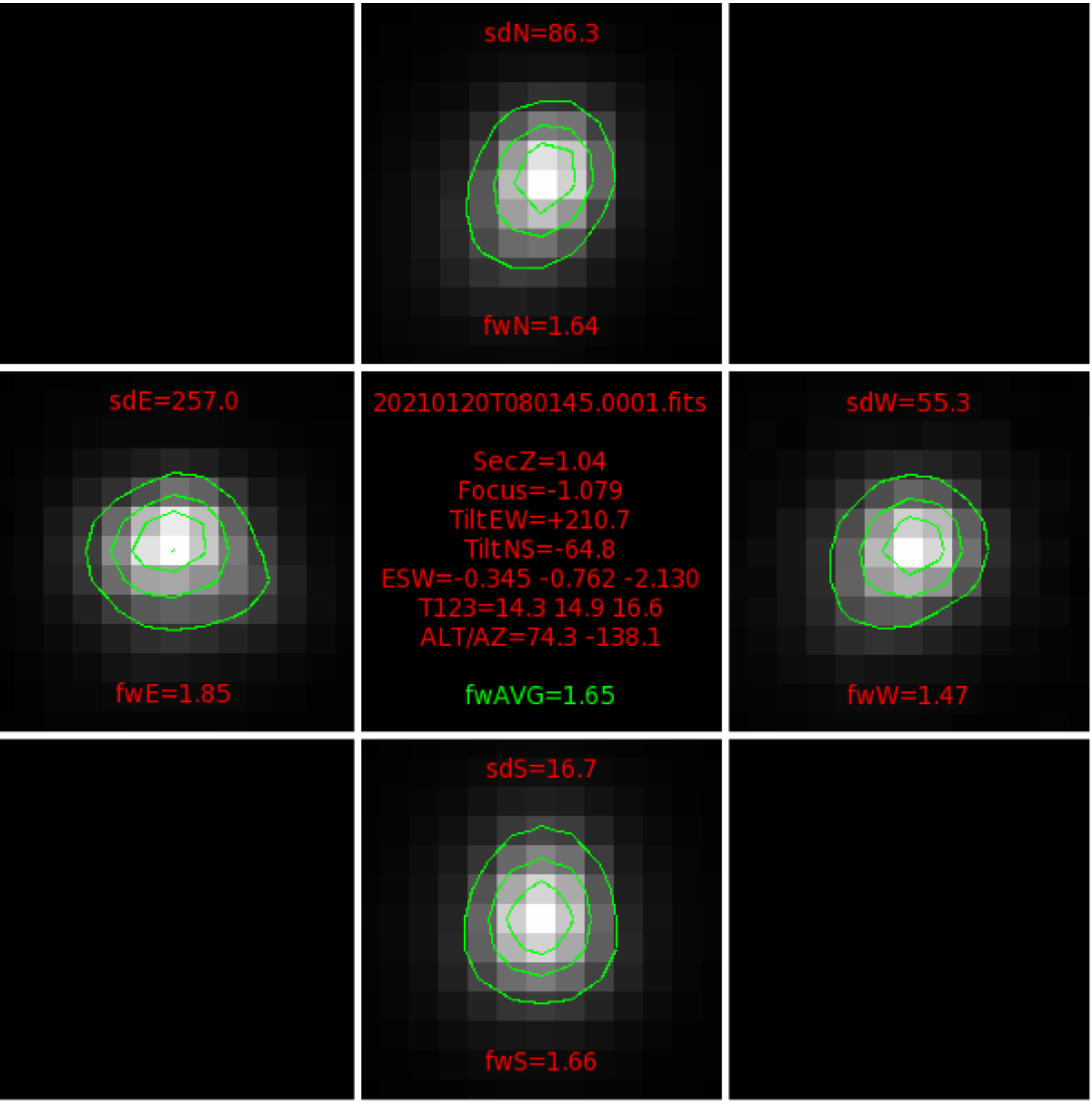
sdN=86.3
fwN=1.64
sdE=257.0
fwE=1.85
20210120T080145.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.9 16.6
ALT/AZ=74.3 -138.1
fwAVG=1.65
sdW=55.3
fwW=1.47
sdS=16.7
fwS=1.66
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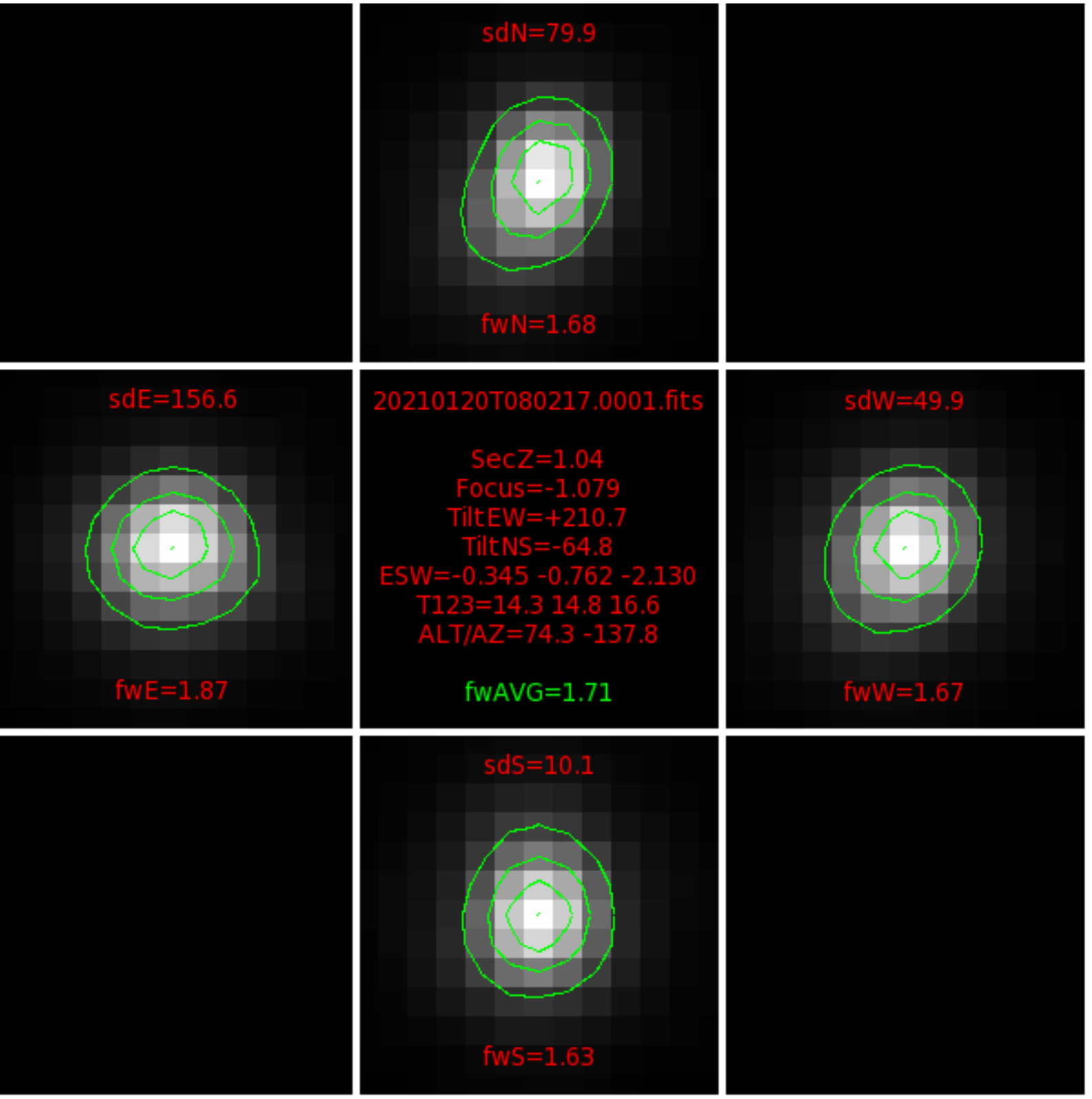
sdN=79.9
fwN=1.68
sdE=156.6
fwE=1.87
20210120T080217.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.8 16.6
ALT/AZ=74.3 -137.8
fwAVG=1.71
sdW=49.9
fwW=1.67
sdS=10.1
fwS=1.63
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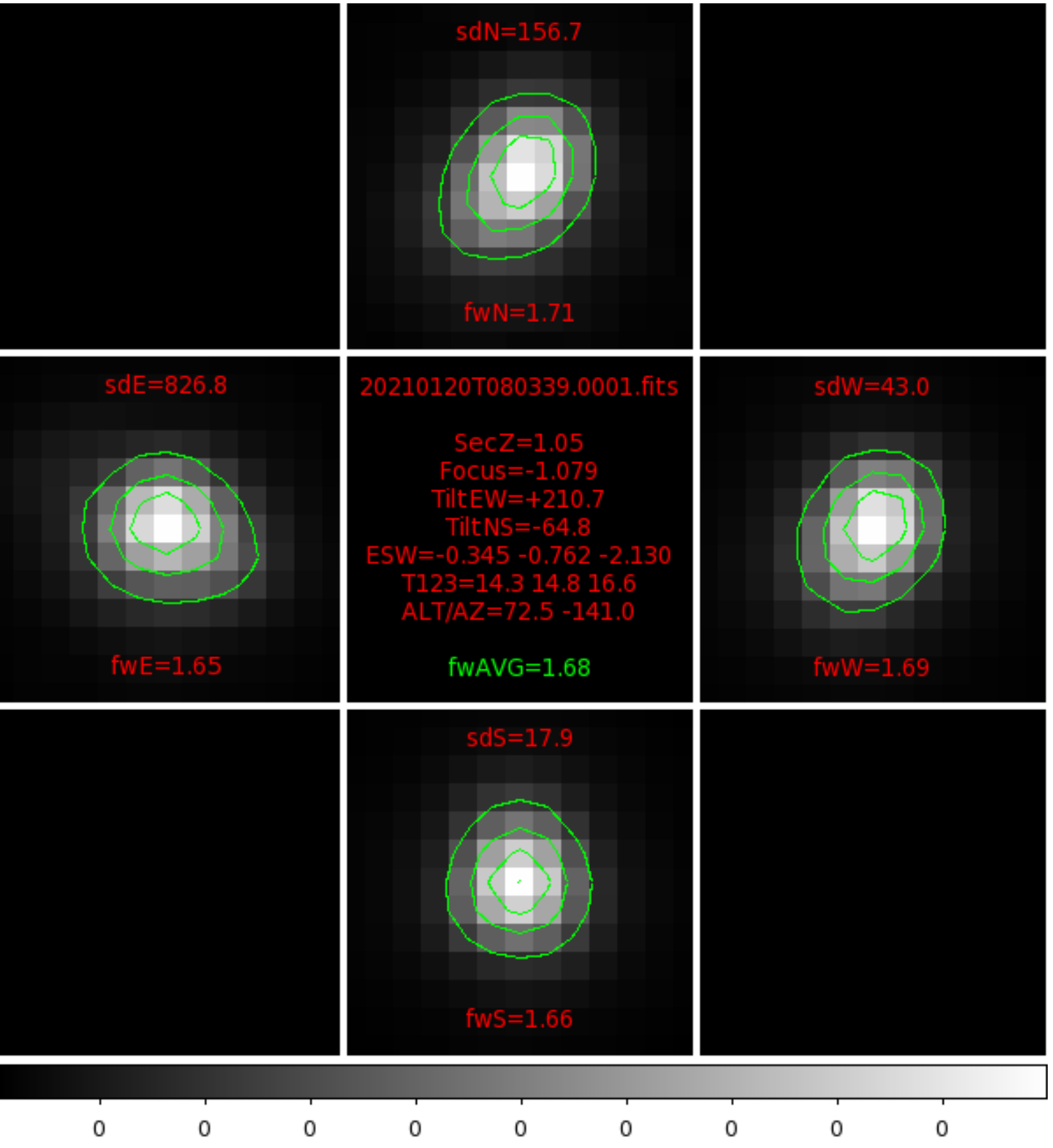
sdN=156.7
fwN=1.71
sdE=826.8
fwE=1.65
20210120T080339.0001.fits
SecZ=1.05
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.8 16.6
ALT/AZ=72.5 -141.0
fwAVG=1.68
sdW=43.0
fwW=1.69
sdS=17.9
fwS=1.66
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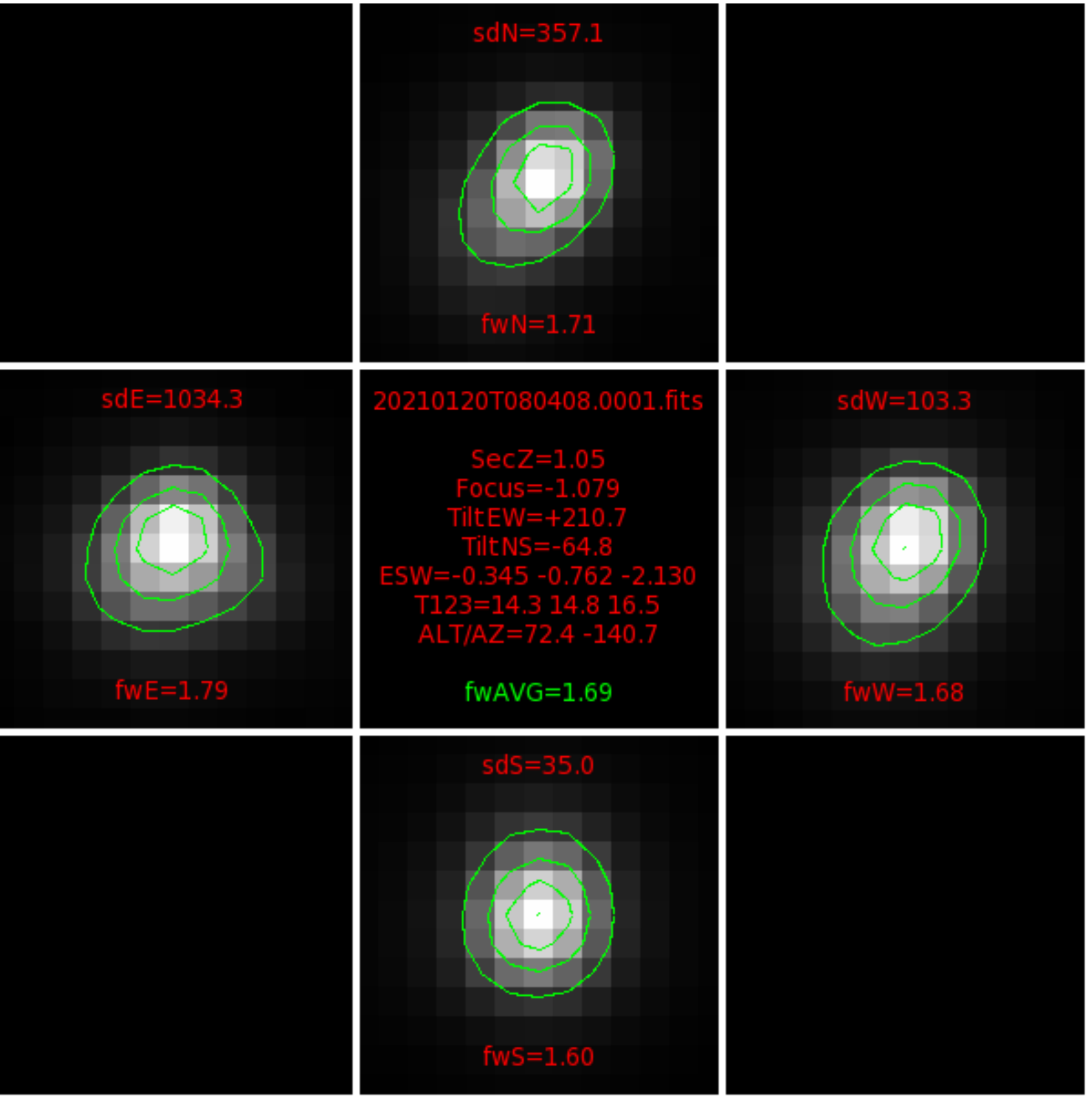
sdN=357.1
fwN=1.71
sdE=1034.3
fwE=1.79
20210120T080408.0001.fits
SecZ=1.05
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.8 16.5
ALT/AZ=72.4 -140.7
fwAVG=1.69
sdW=103.3
fwW=1.68
sdS=35.0
fwS=1.60
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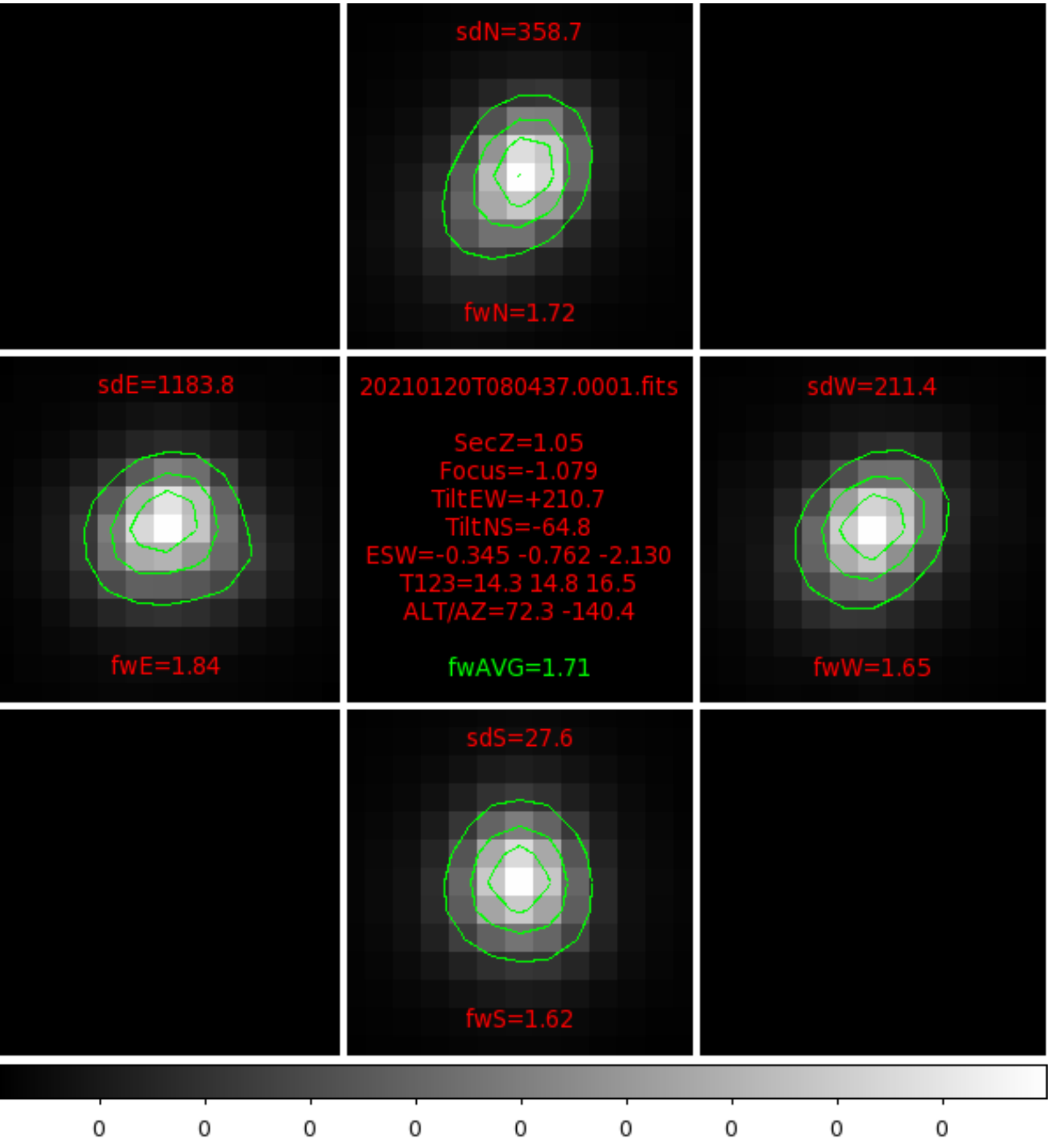
sdN=358.7
fwN=1.72
sdE=1183.8
fwE=1.84
20210120T080437.0001.fits
SecZ=1.05
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.8 16.5
ALT/AZ=72.3 -140.4
fwAVG=1.71
sdW=211.4
fwW=1.65
sdS=27.6
fwS=1.62
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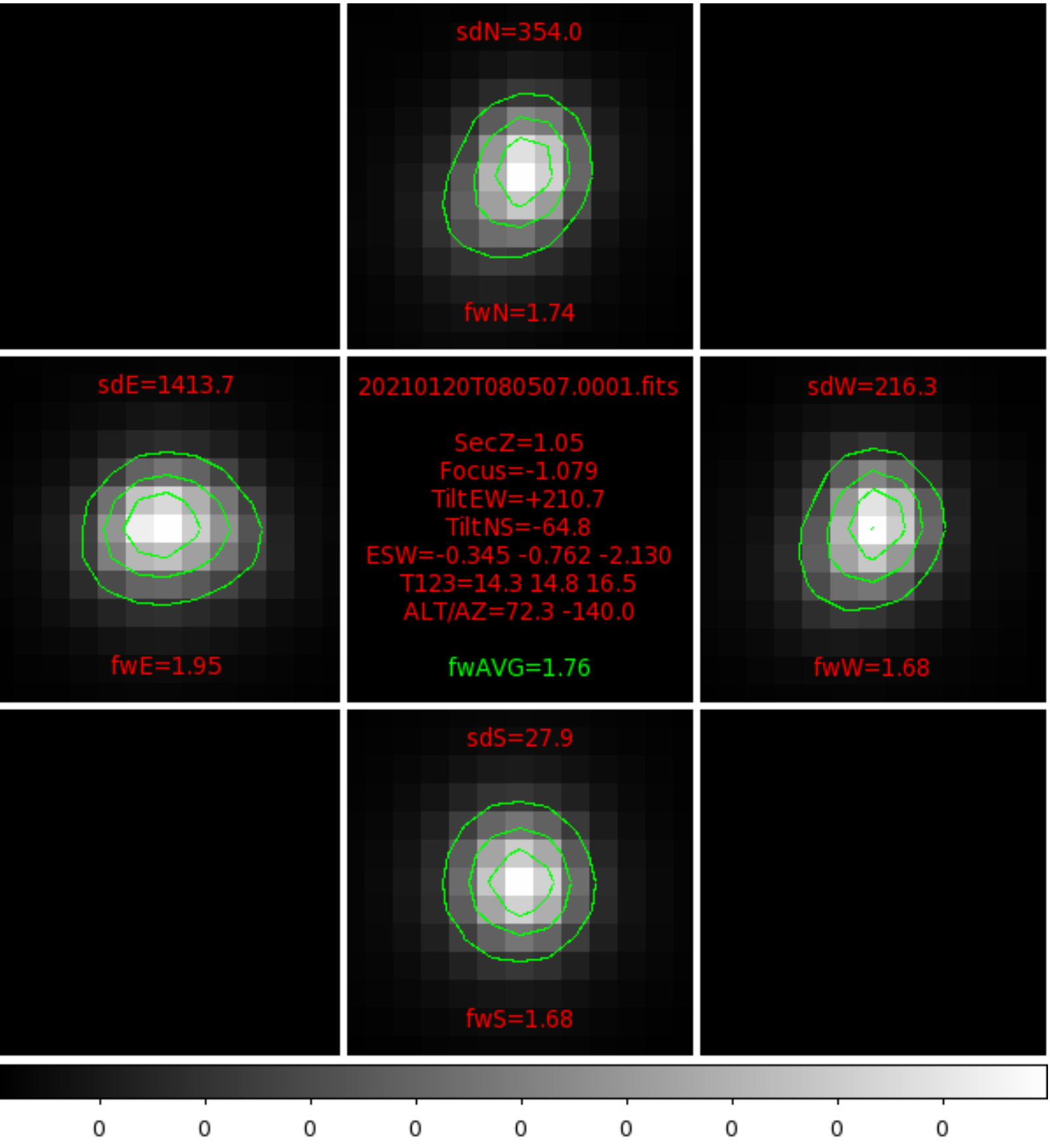
sdN=354.0
fwN=1.74
sdE=1413.7
fwE=1.95
20210120T080507.0001.fits
SecZ=1.05
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.8 16.5
ALT/AZ=72.3 -140.0
fwAVG=1.76
sdW=216.3
fwW=1.68
sdS=27.9
fwS=1.68
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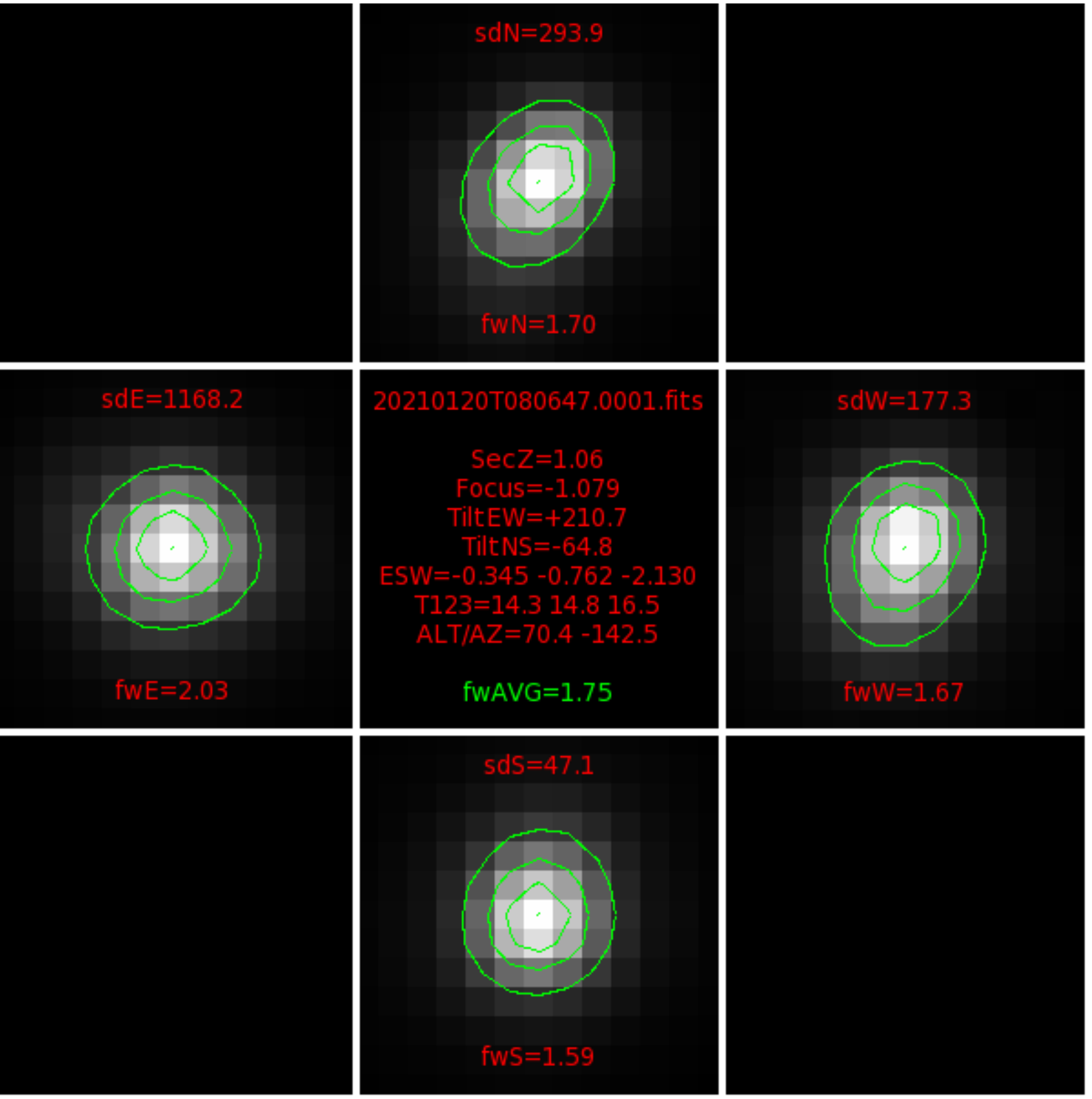
sdN=293.9
fwN=1.70
sdE=1168.2
fwE=2.03
20210120T080647.0001.fits
SecZ=1.06
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.8 16.5
ALT/AZ=70.4 -142.5
fwAVG=1.75
sdW=177.3
fwW=1.67
sdS=47.1
fwS=1.59
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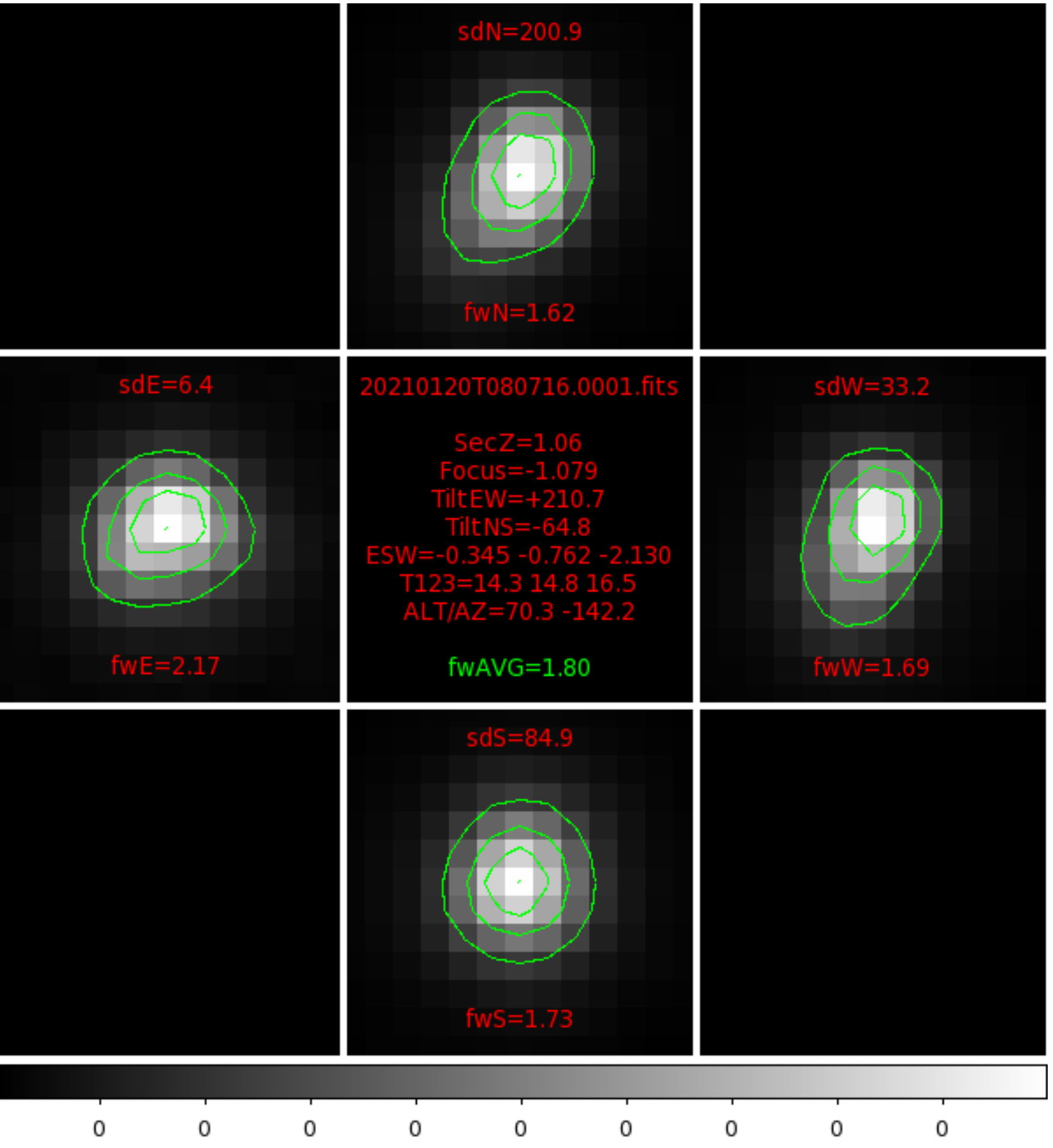
sdN=200.9
fwN=1.62
sdE=6.4
fwE=2.17
20210120T080716.0001.fits
SecZ=1.06
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.8 16.5
ALT/AZ=70.3 -142.2
fwAVG=1.80
sdW=33.2
fwW=1.69
sdS=84.9
fwS=1.73
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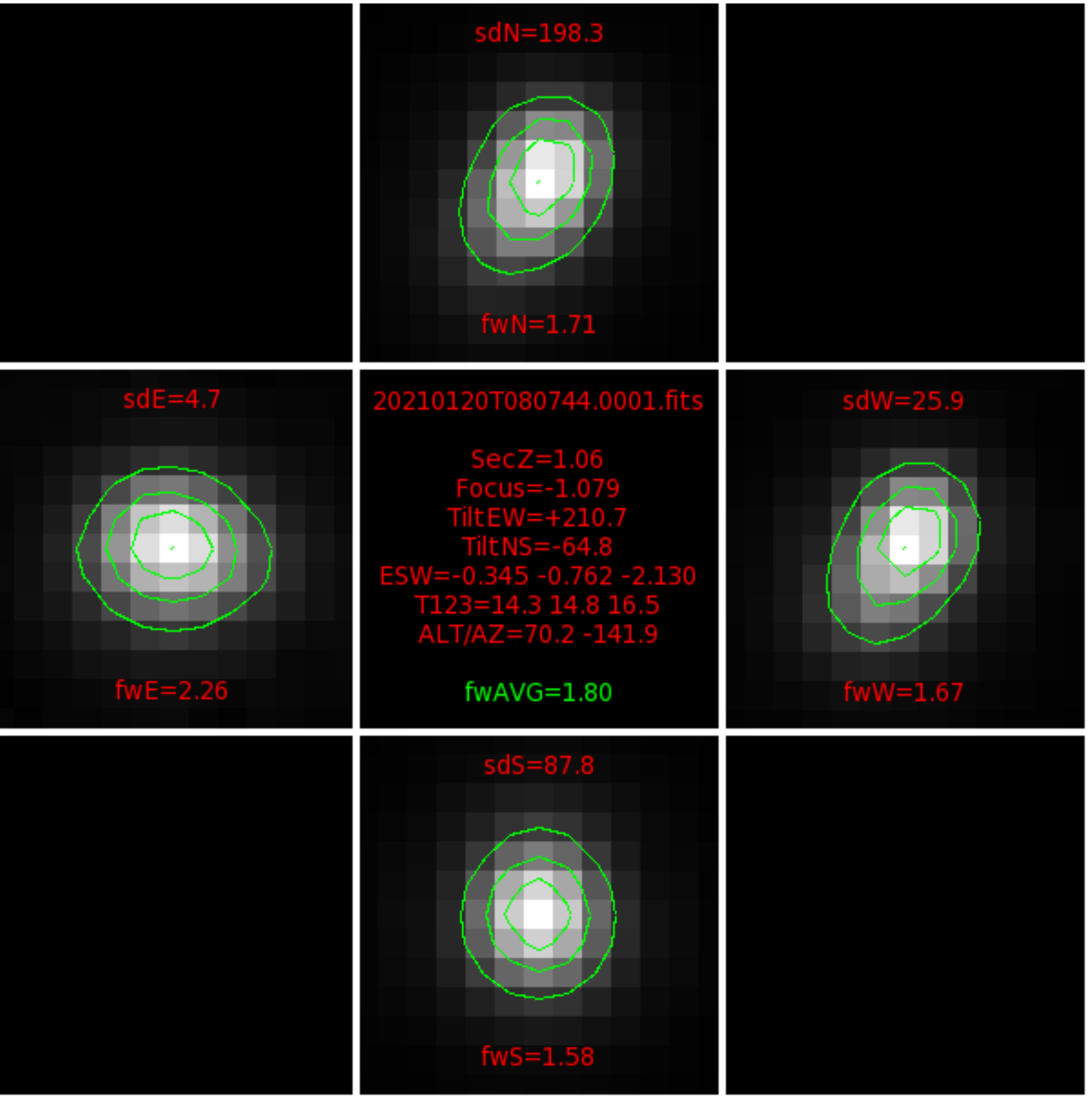
sdN=198.3
fwN=1.71
sdE=4.7
fwE=2.26
20210120T080744.0001.fits
SecZ=1.06
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.8 16.5
ALT/AZ=70.2 -141.9
fwAVG=1.80
sdW=25.9
fwW=1.67
sdS=87.8
fwS=1.58
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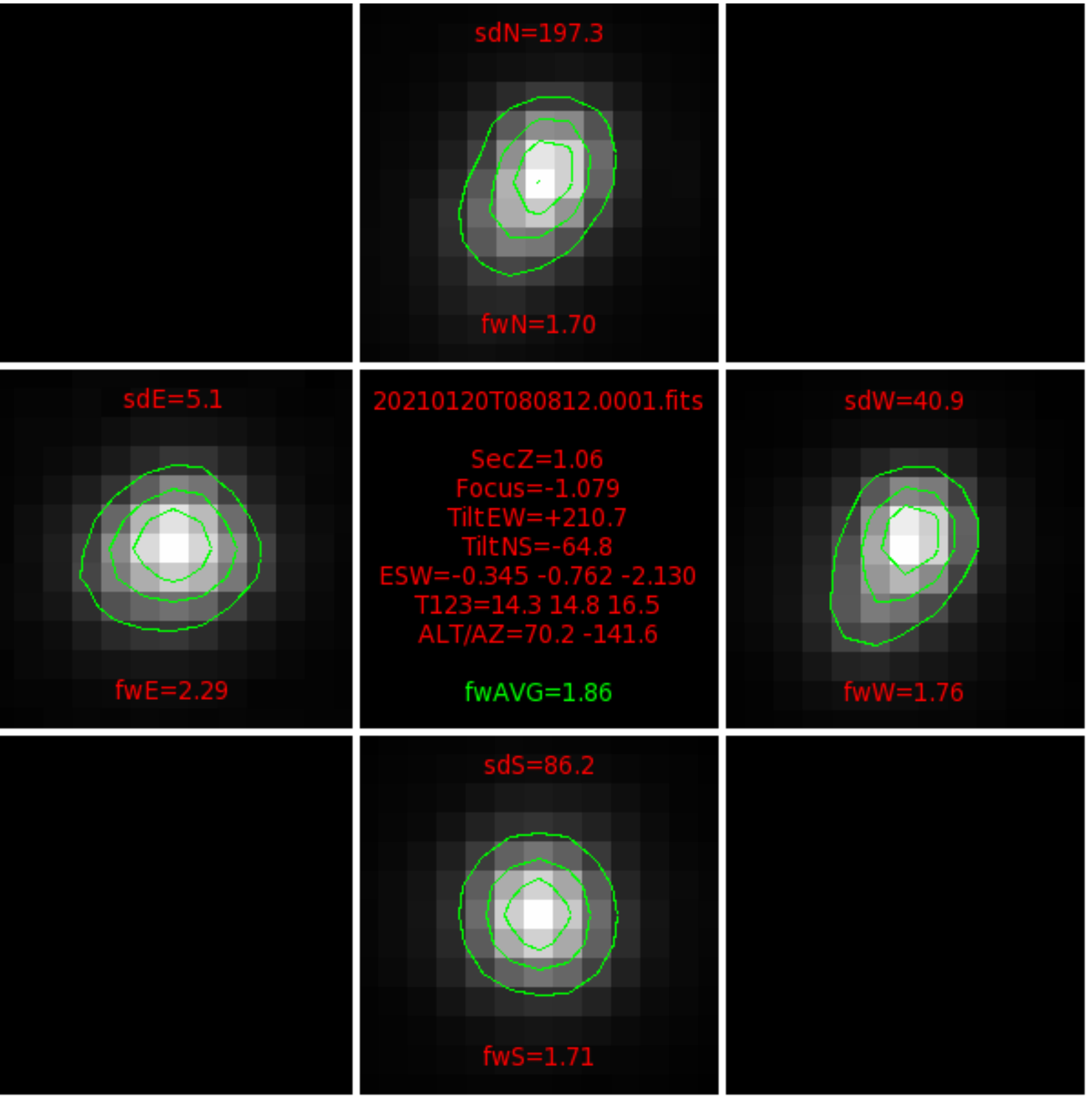
sdN=197.3
fwN=1.70
sdE=5.1
fwE=2.29
20210120T080812.0001.fits
SecZ=1.06
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.8 16.5
ALT/AZ=70.2 -141.6
fwAVG=1.86
sdW=40.9
fwW=1.76
sdS=86.2
fwS=1.71
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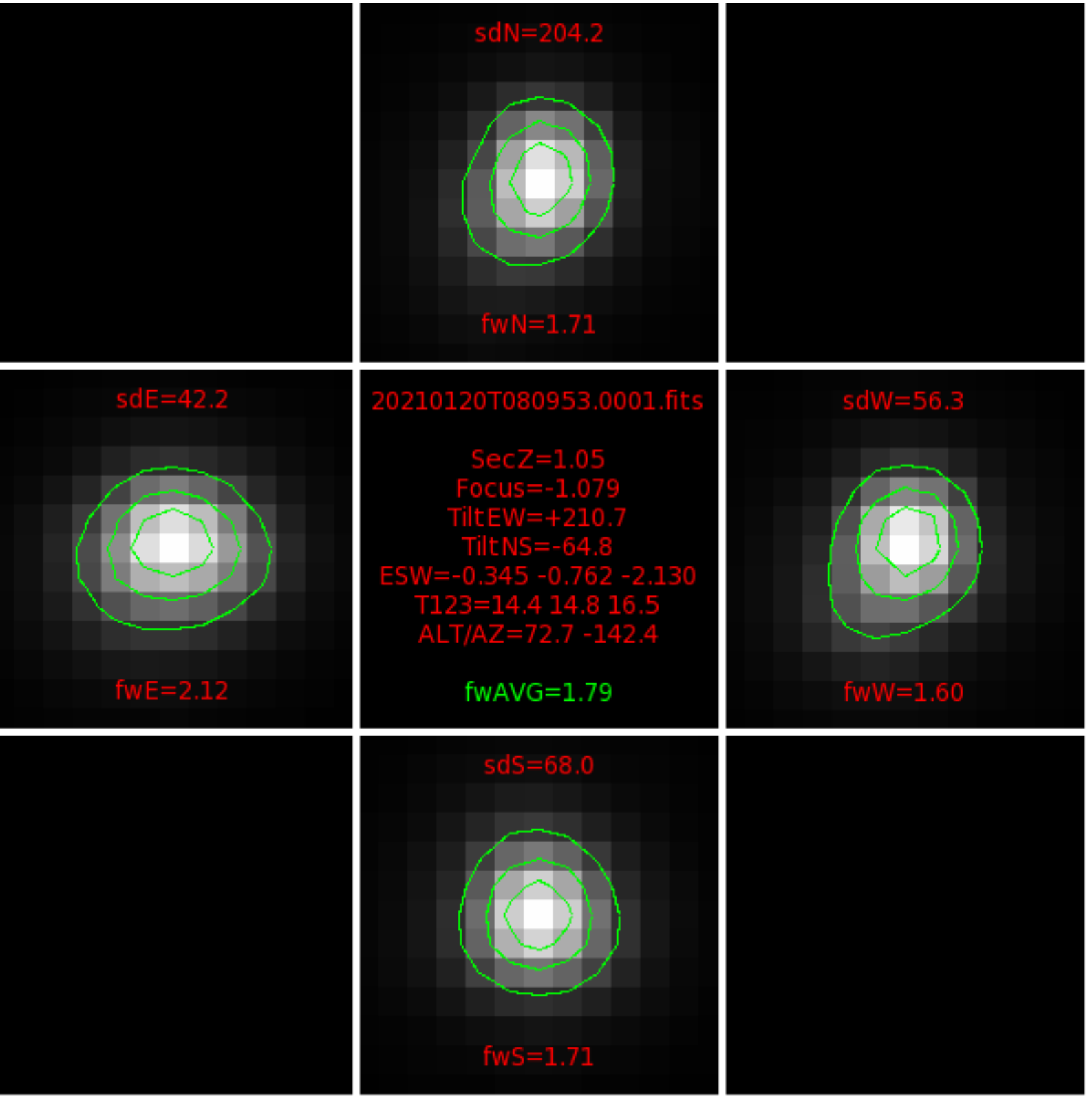
sdN=204.2
fwN=1.71
sdE=42.2
fwE=2.12
20210120T080953.0001.fits
SecZ=1.05
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=72.7 -142.4
fwAVG=1.79
sdW=56.3
fwW=1.60
sdS=68.0
fwS=1.71
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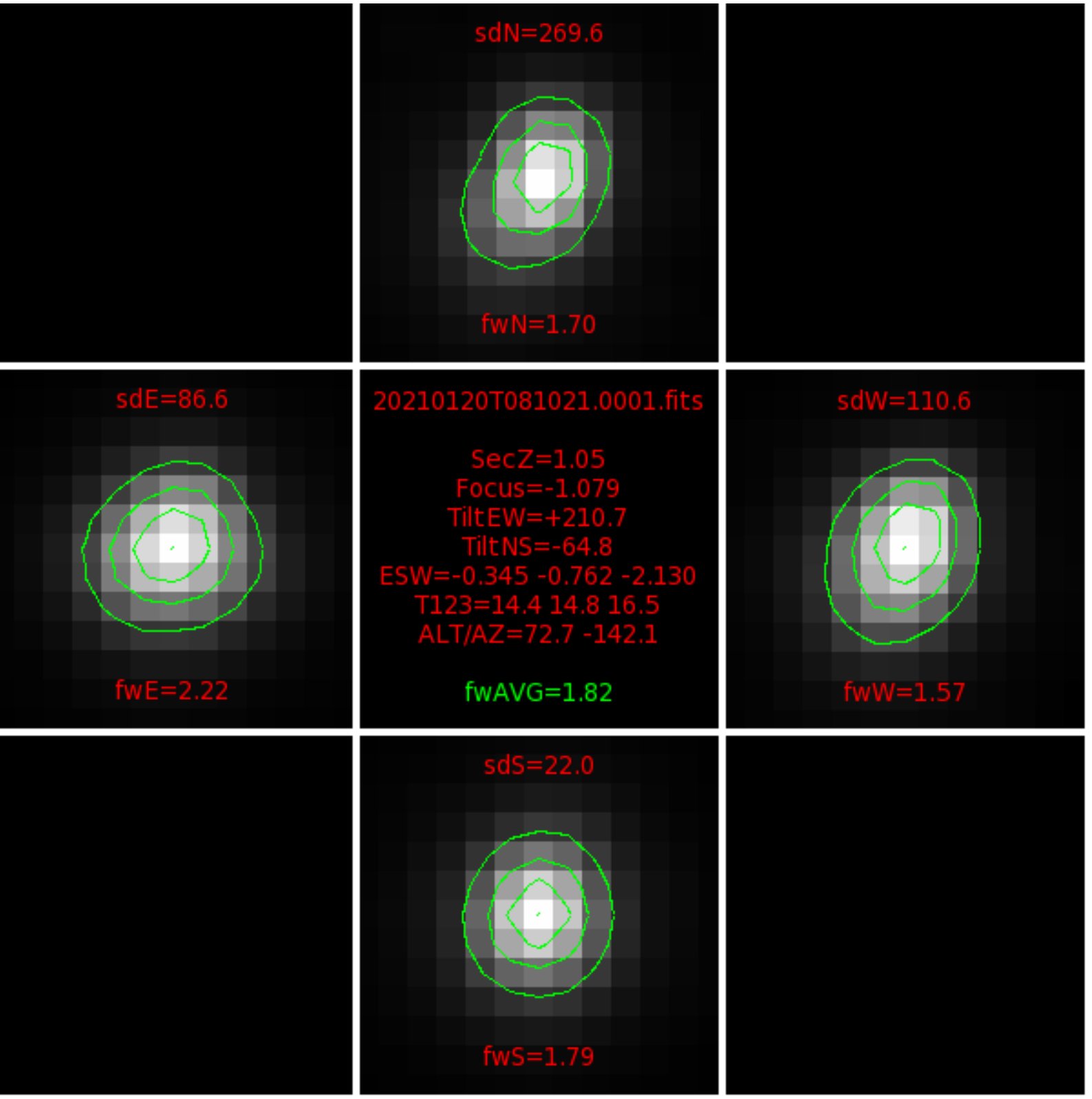
sdN=269.6
fwN=1.70
sdE=86.6
fwE=2.22
20210120T081021.0001.fits
SecZ=1.05
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=72.7 -142.1
fwAVG=1.82
sdW=110.6
fwW=1.57
sdS=22.0
fwS=1.79
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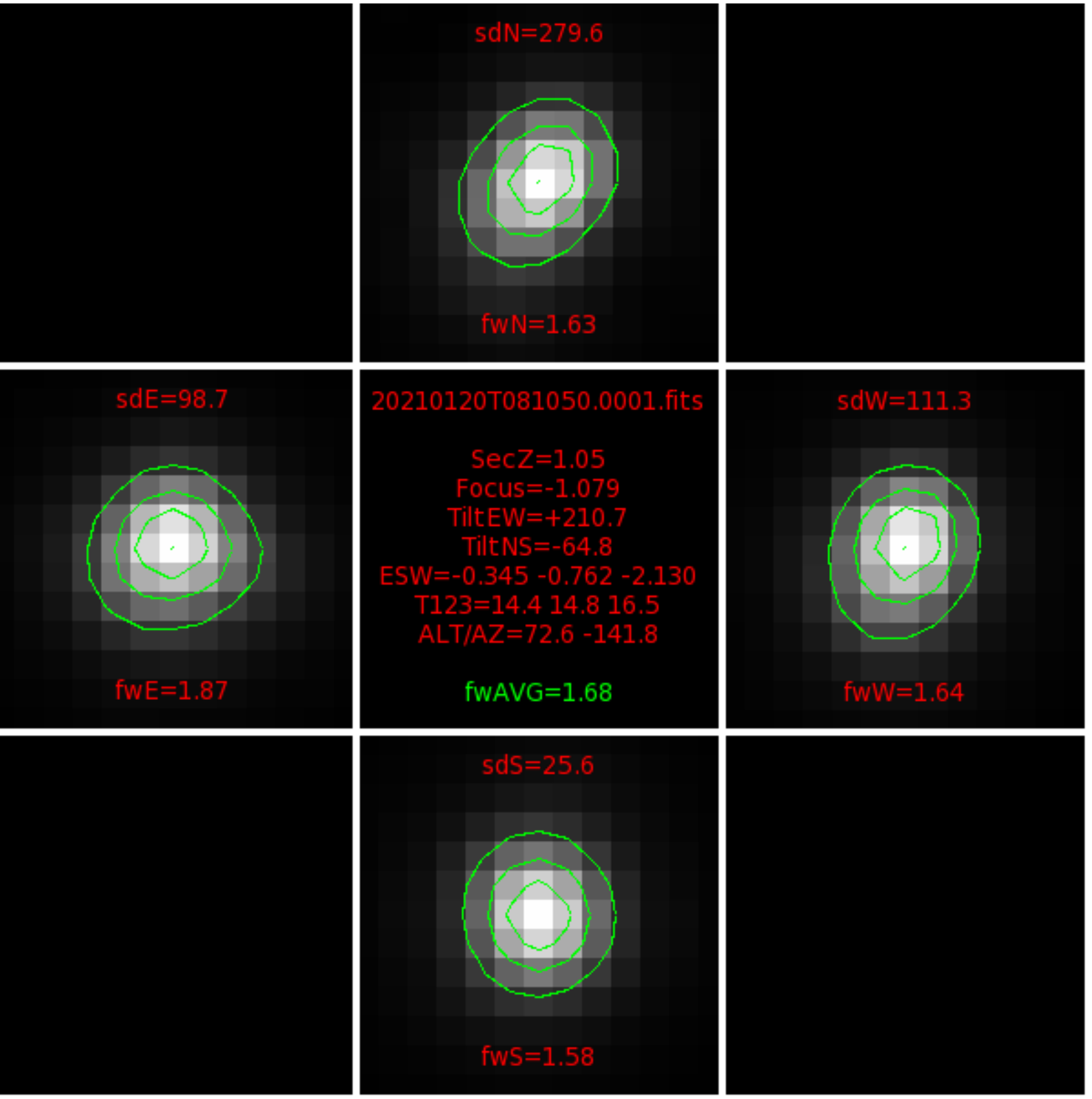
sdN=279.6
fwN=1.63
sdE=98.7
fwE=1.87
20210120T081050.0001.fits
SecZ=1.05
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=72.6 -141.8
fwAVG=1.68
sdW=111.3
fwW=1.64
sdS=25.6
fwS=1.58
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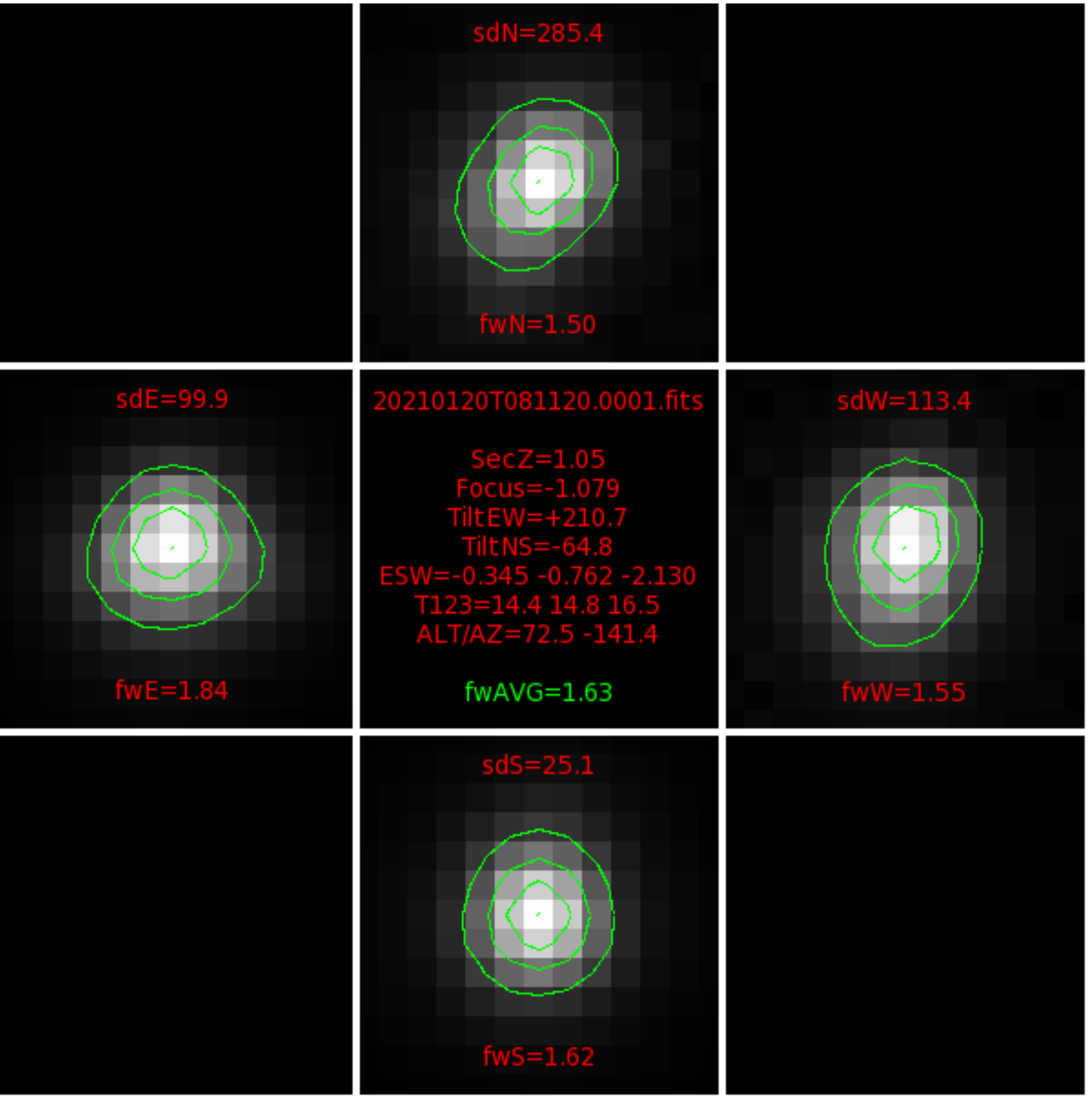
sdN=285.4
fwN=1.50
sdE=99.9
fwE=1.84
20210120T081120.0001.fits
SecZ=1.05
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=72.5 -141.4
fwAVG=1.63
sdW=113.4
fwW=1.55
sdS=25.1
fwS=1.62
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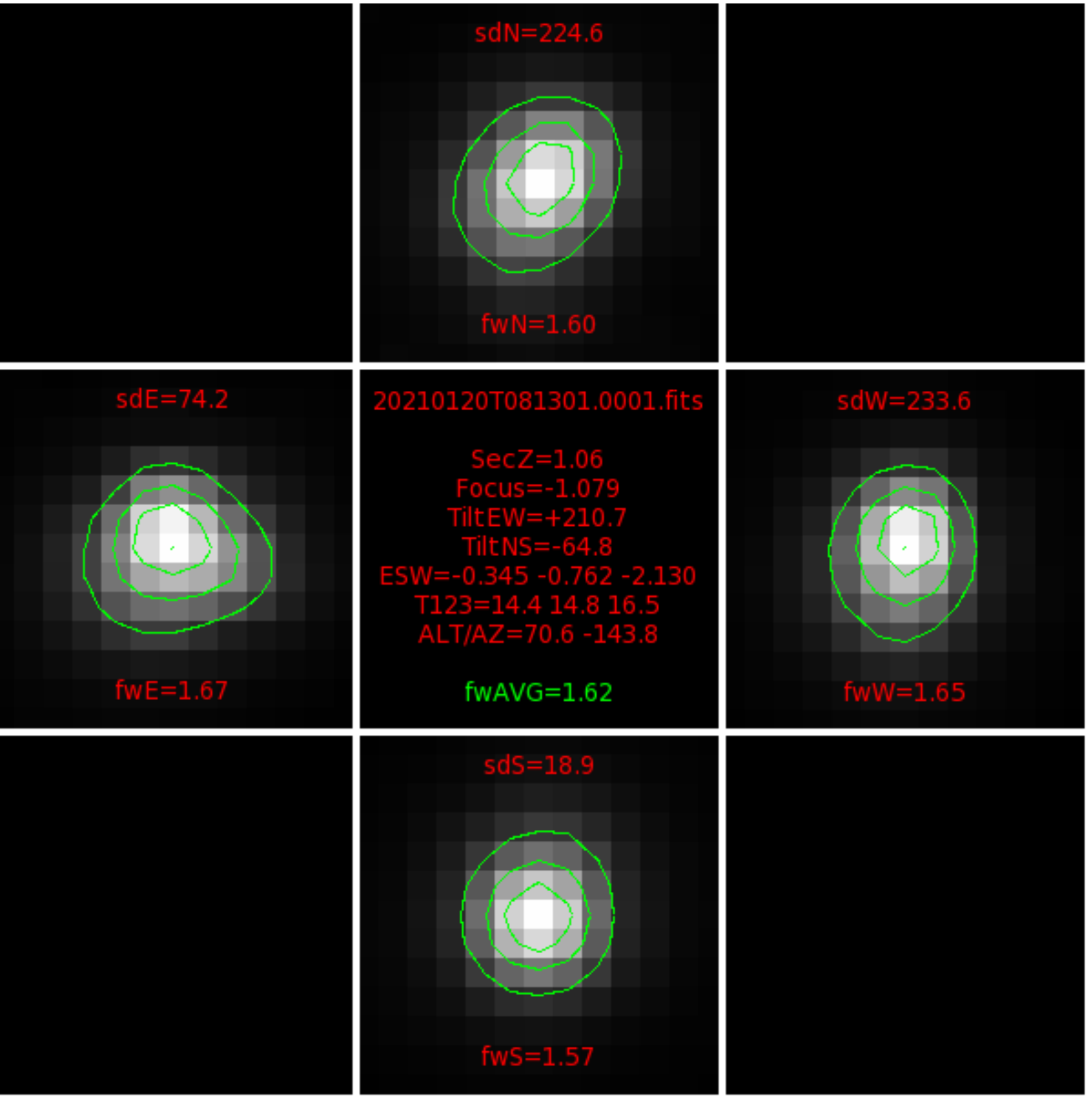
sdN=224.6
fwN=1.60
sdE=74.2
fwE=1.67
20210120T081301.0001.fits
SecZ=1.06
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=70.6 -143.8
fwAVG=1.62
sdW=233.6
fwW=1.65
sdS=18.9
fwS=1.57
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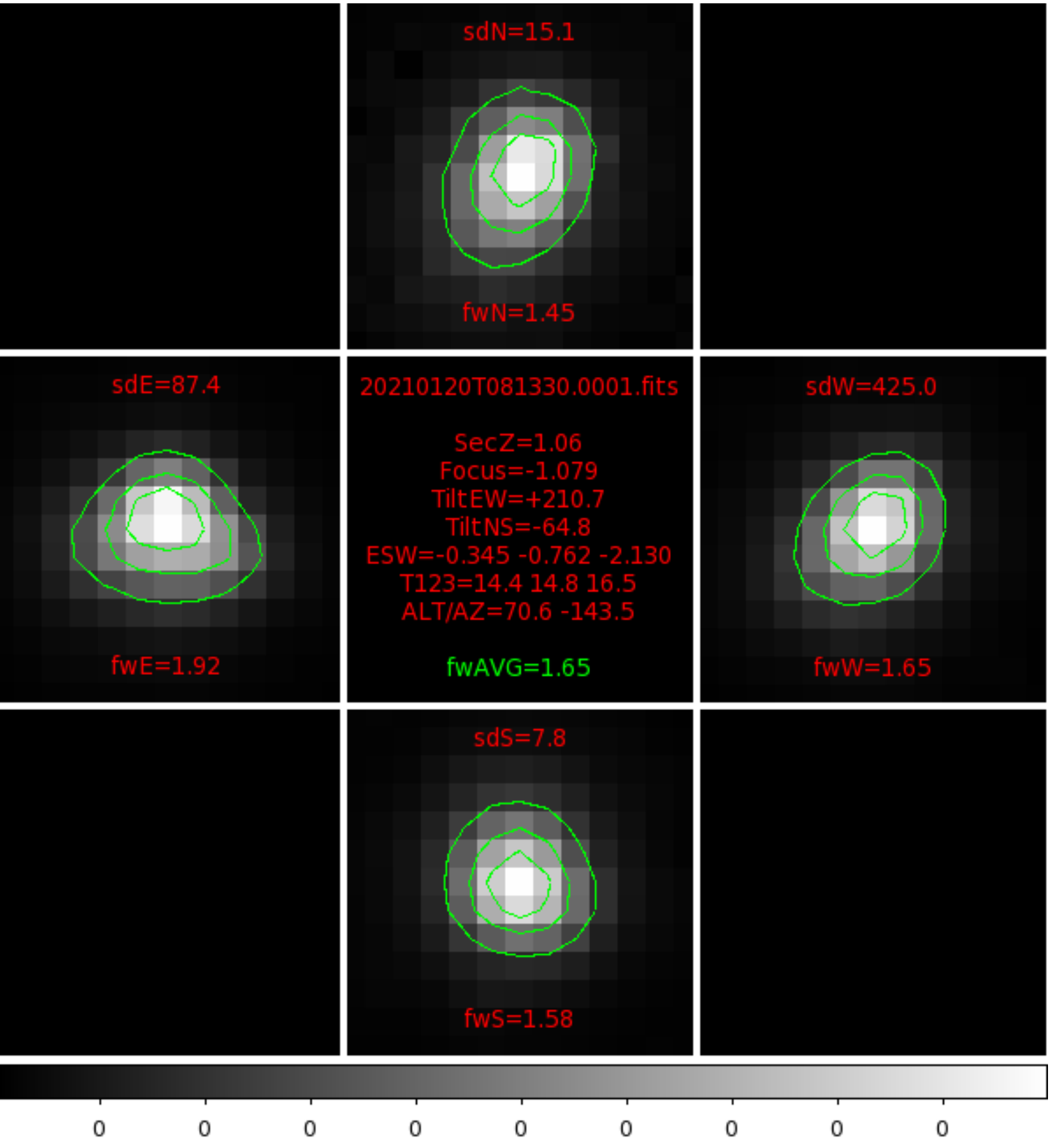
sdN=15.1
fwN=1.45
sdE=87.4
fwE=1.92
20210120T081330.0001.fits
SecZ=1.06
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=70.6 -143.5
fwAVG=1.65
sdW=425.0
fwW=1.65
sdS=7.8
fwS=1.58
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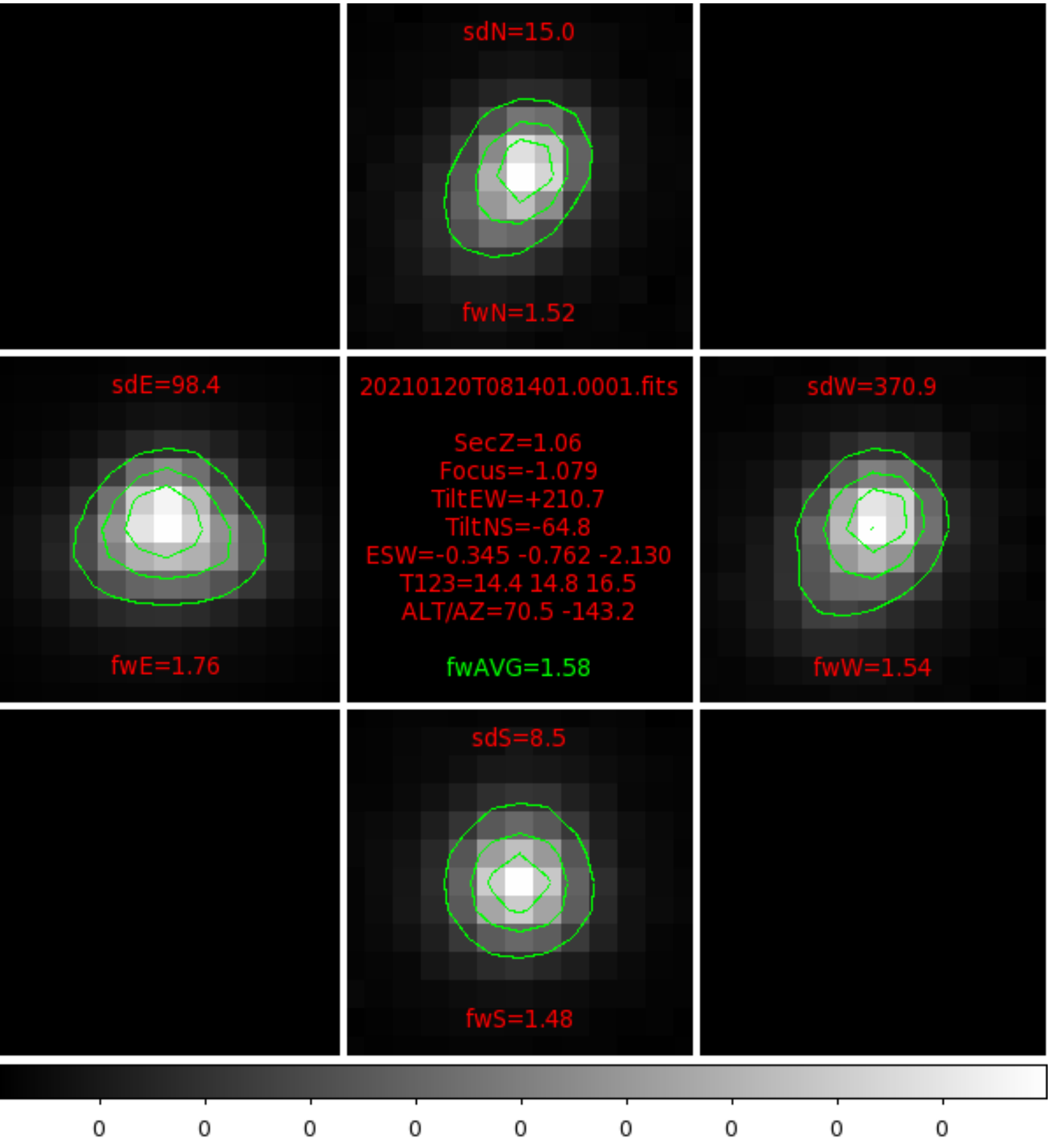
sdN=15.0
fwN=1.52
sdE=98.4
fwE=1.76
20210120T081401.0001.fits
SecZ=1.06
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=70.5 -143.2
fwAVG=1.58
sdW=370.9
fwW=1.54
sdS=8.5
fwS=1.48
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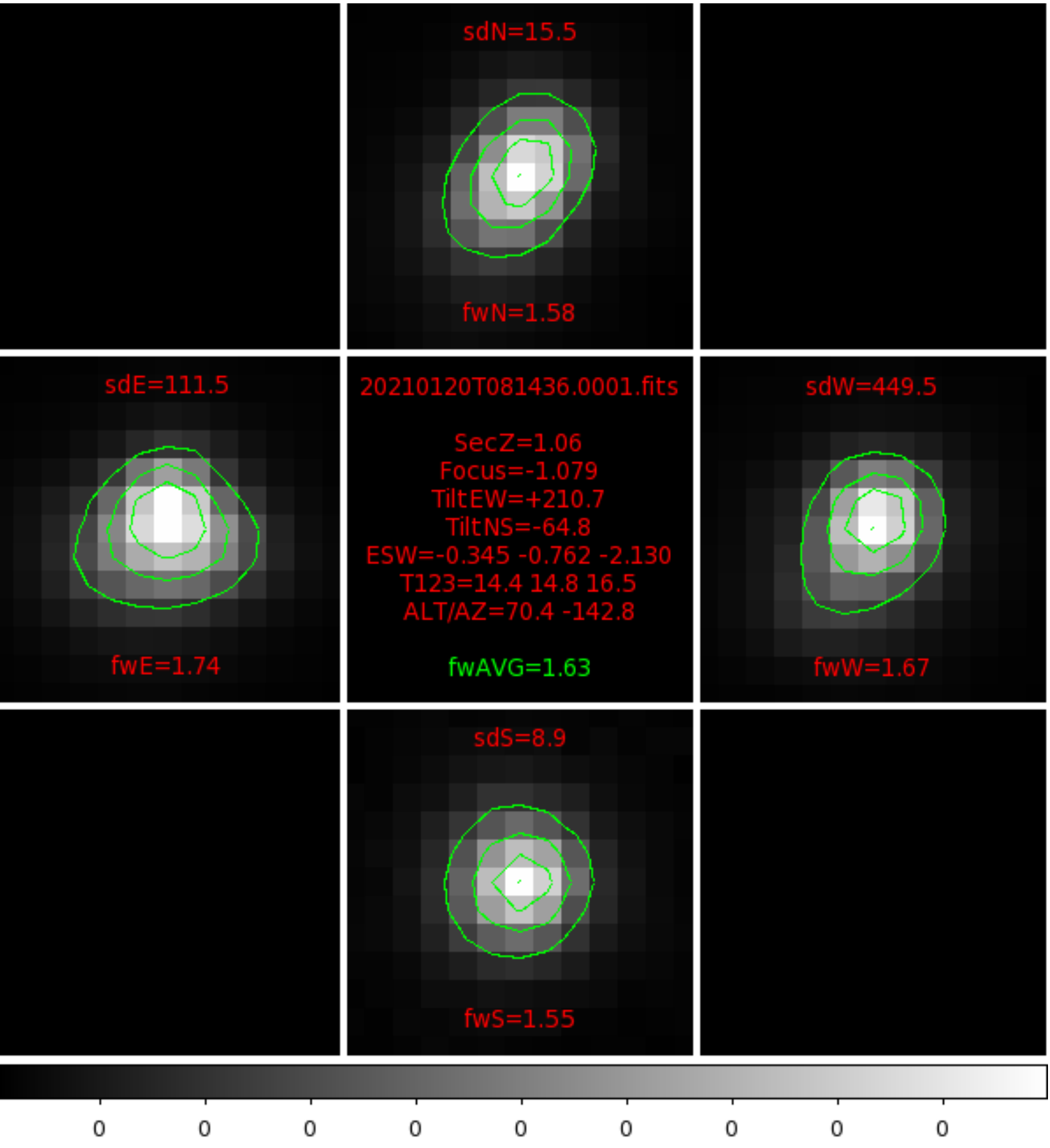
sdN=15.5
fwN=1.58
sdE=111.5
fwE=1.74
20210120T081436.0001.fits
SecZ=1.06
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=70.4 -142.8
fwAVG=1.63
sdW=449.5
fwW=1.67
sdS=8.9
fwS=1.55
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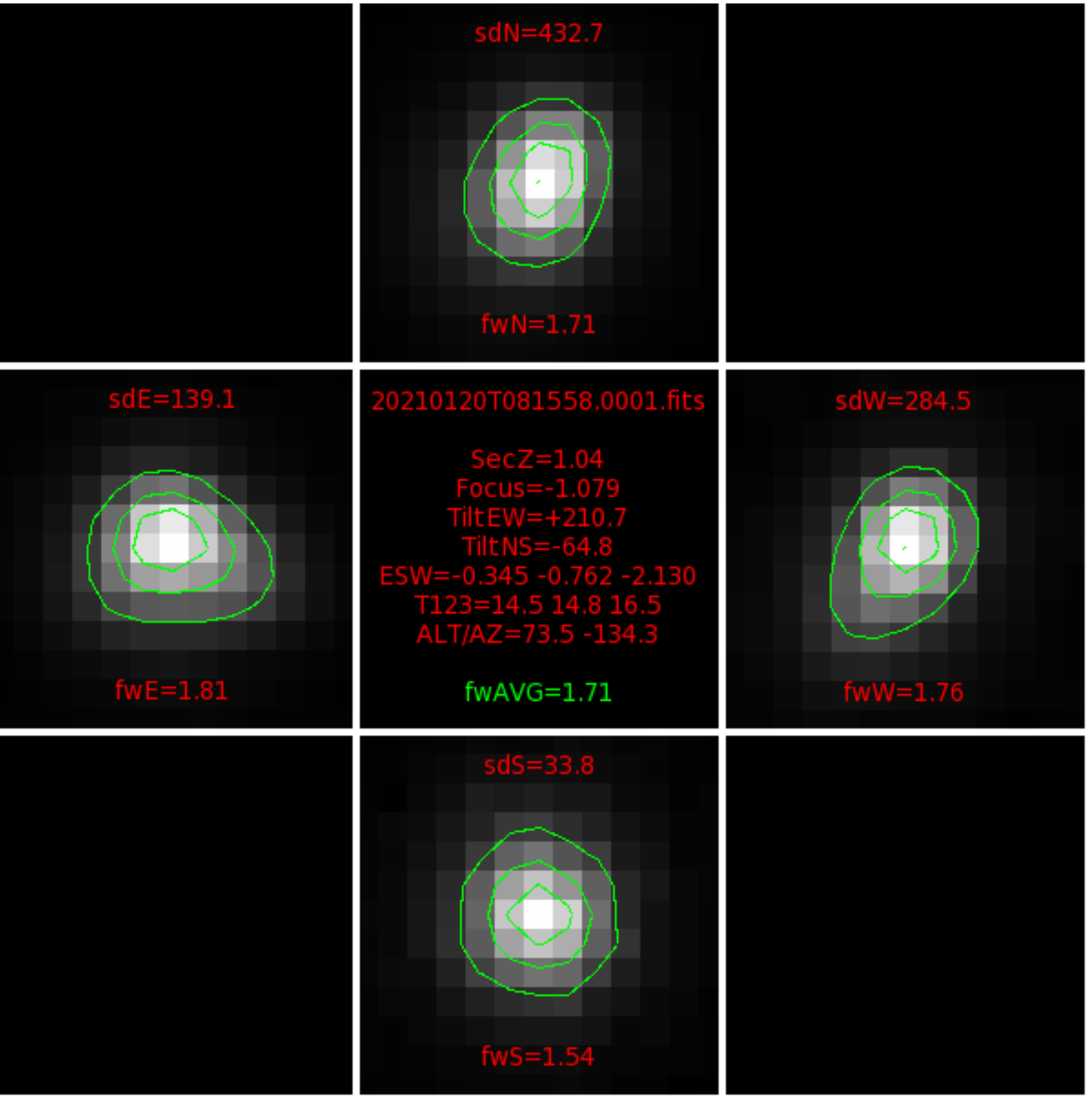
sdN=432.7
fwN=1.71
sdE=139.1
fwE=1.81
20210120T081558.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.5 14.8 16.5
ALT/AZ=73.5 -134.3
fwAVG=1.71
sdW=284.5
fwW=1.76
sdS=33.8
fwS=1.54
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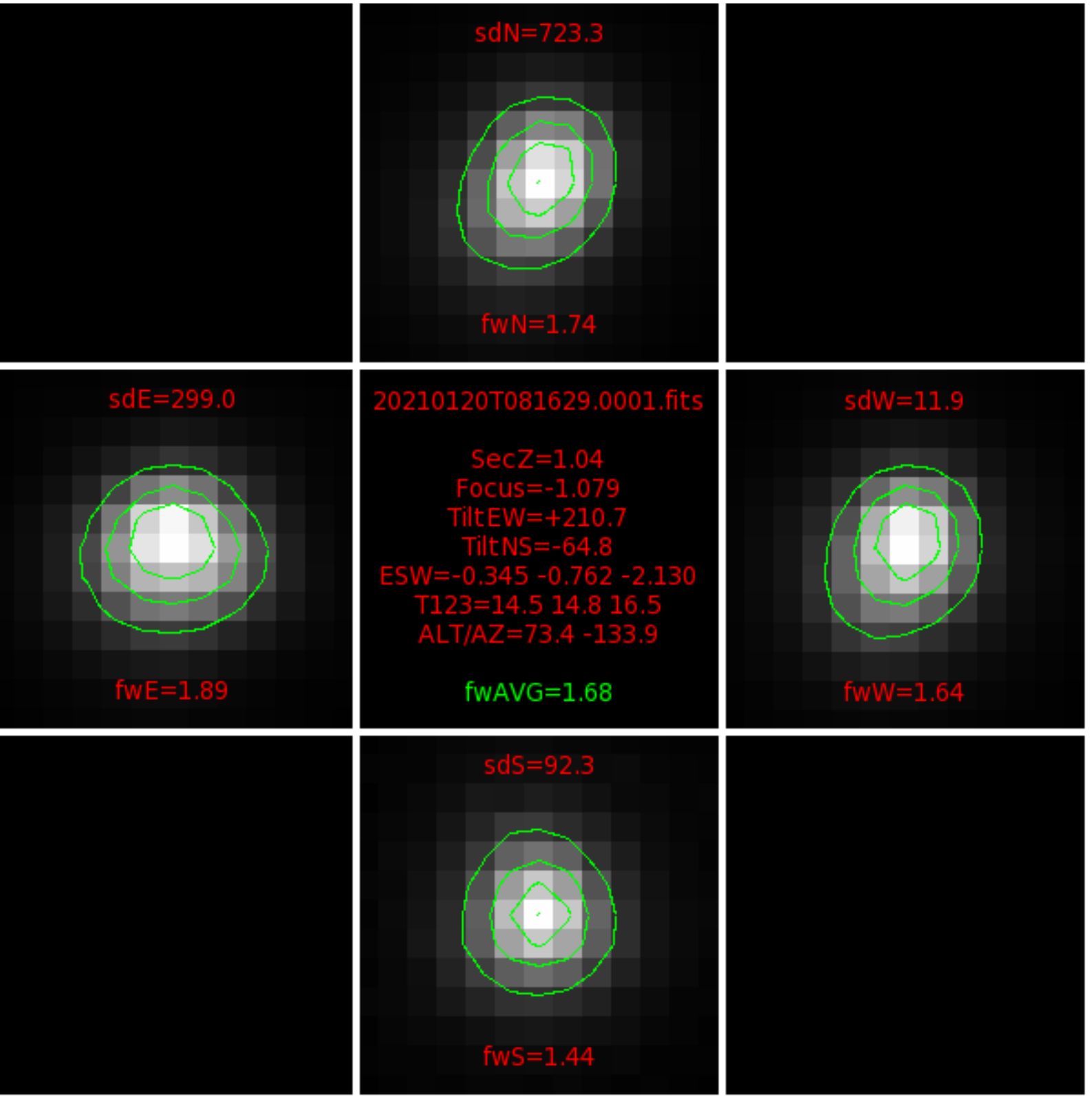
sdN=723.3
fwN=1.74
sdE=299.0
fwE=1.89
20210120T081629.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.5 14.8 16.5
ALT/AZ=73.4 -133.9
fwAVG=1.68
sdW=11.9
fwW=1.64
sdS=92.3
fwS=1.44
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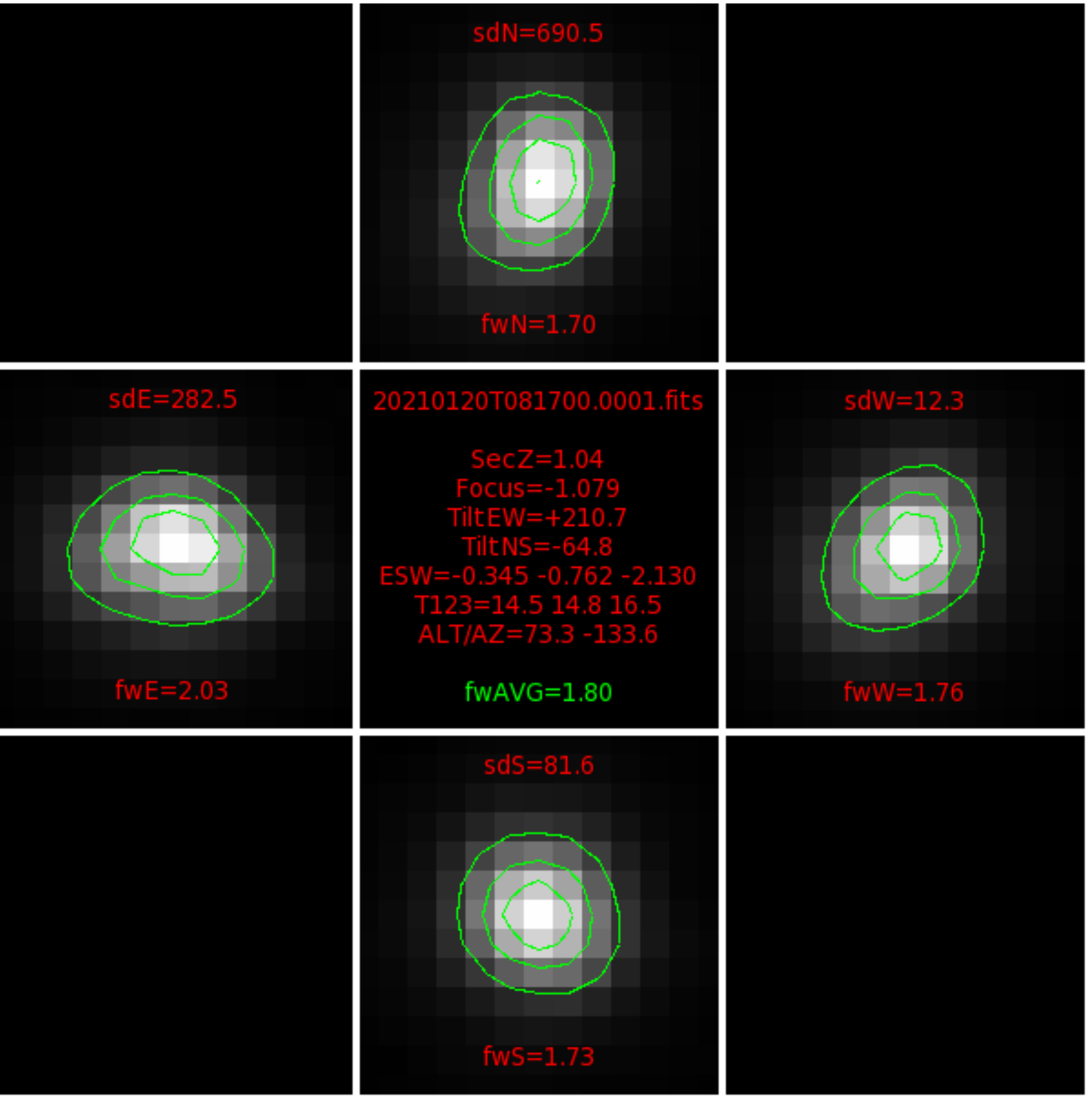
sdN=690.5
fwN=1.70
sdE=282.5
fwE=2.03
20210120T081700.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.5 14.8 16.5
ALT/AZ=73.3 -133.6
fwAVG=1.80
sdW=12.3
fwW=1.76
sdS=81.6
fwS=1.73
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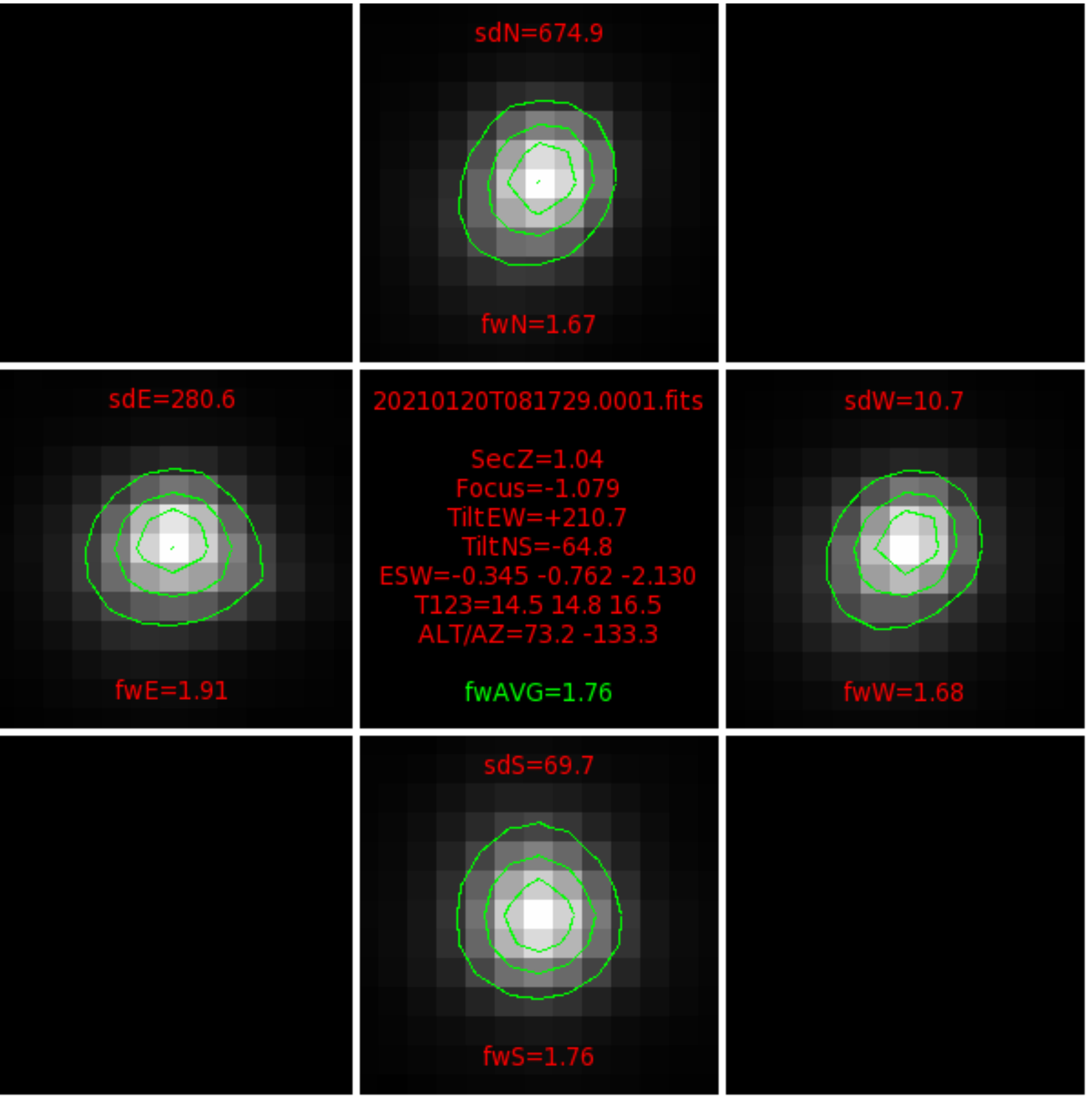
sdN=674.9
fwN=1.67
sdE=280.6
fwE=1.91
20210120T081729.0001.fits
SecZ=1.04
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.5 14.8 16.5
ALT/AZ=73.2 -133.3
fwAVG=1.76
sdW=10.7
fwW=1.68
sdS=69.7
fwS=1.76
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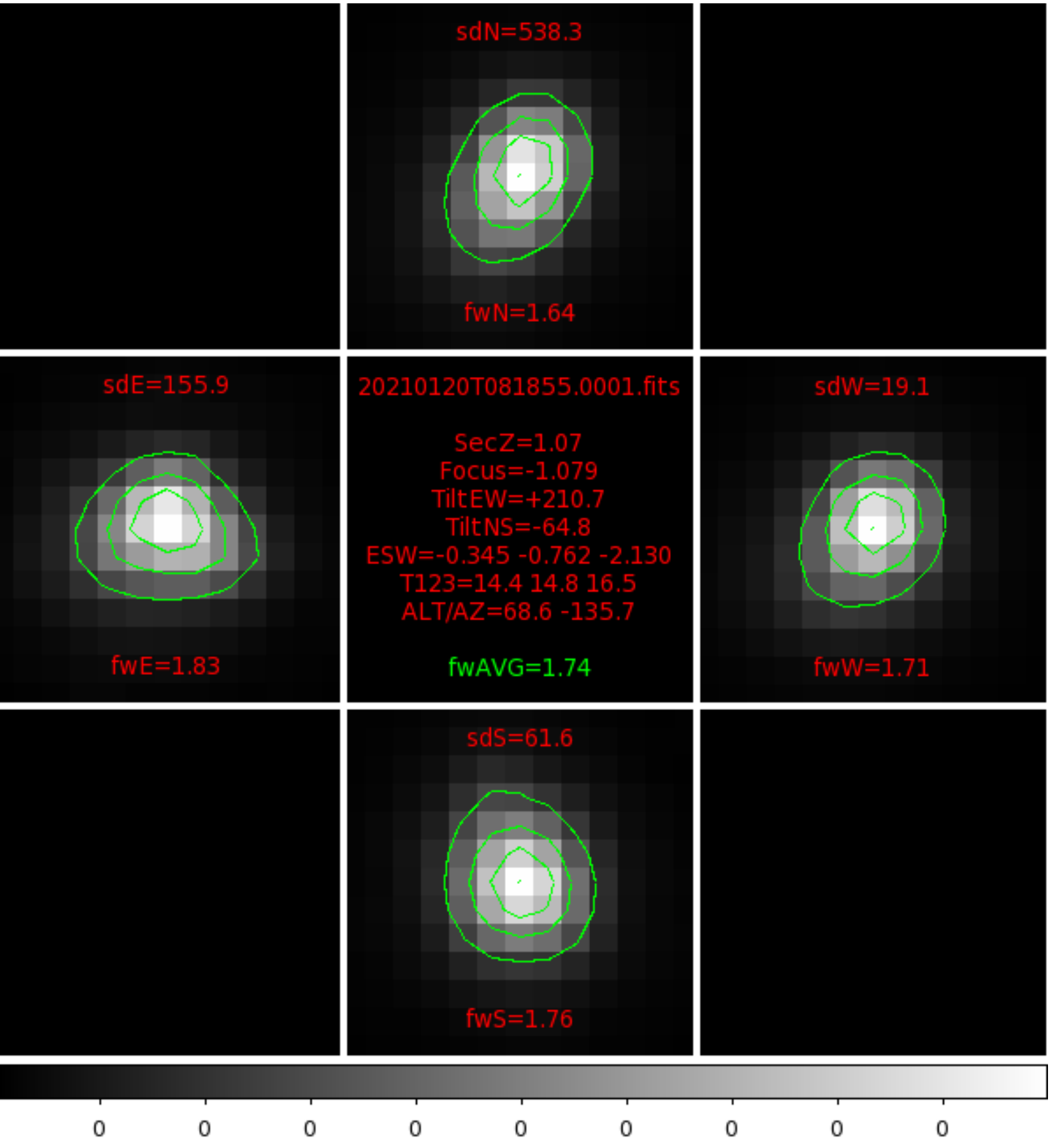
sdN=538.3
fwN=1.64
sdE=155.9
fwE=1.83
20210120T081855.0001.fits
SecZ=1.07
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=68.6 -135.7
fwAVG=1.74
sdW=19.1
fwW=1.71
sdS=61.6
fwS=1.76
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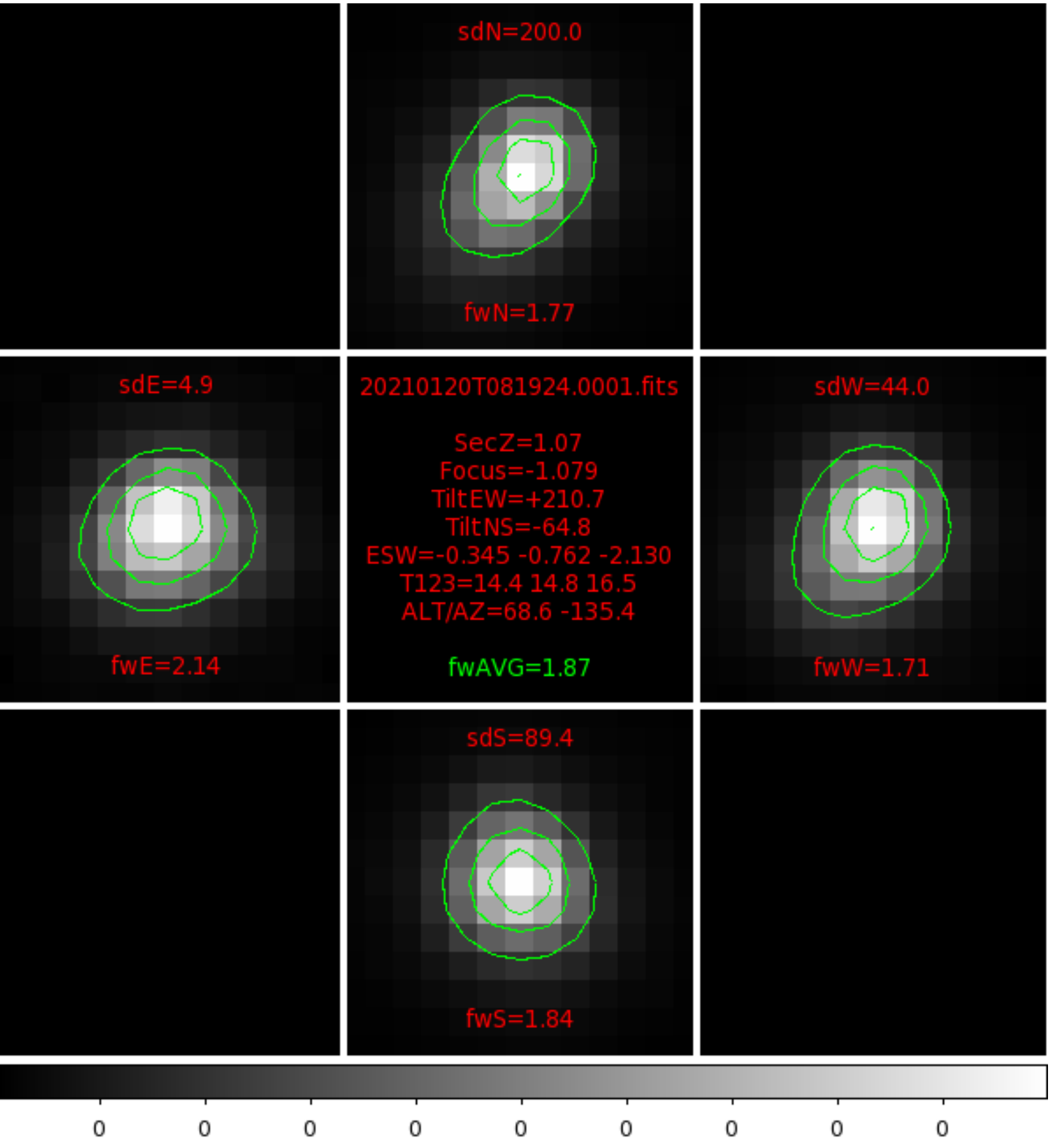
sdN=200.0
fwN=1.77
sdE=4.9
fwE=2.14
20210120T081924.0001.fits
SecZ=1.07
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=68.6 -135.4
fwAVG=1.87
sdW=44.0
fwW=1.71
sdS=89.4
fwS=1.84
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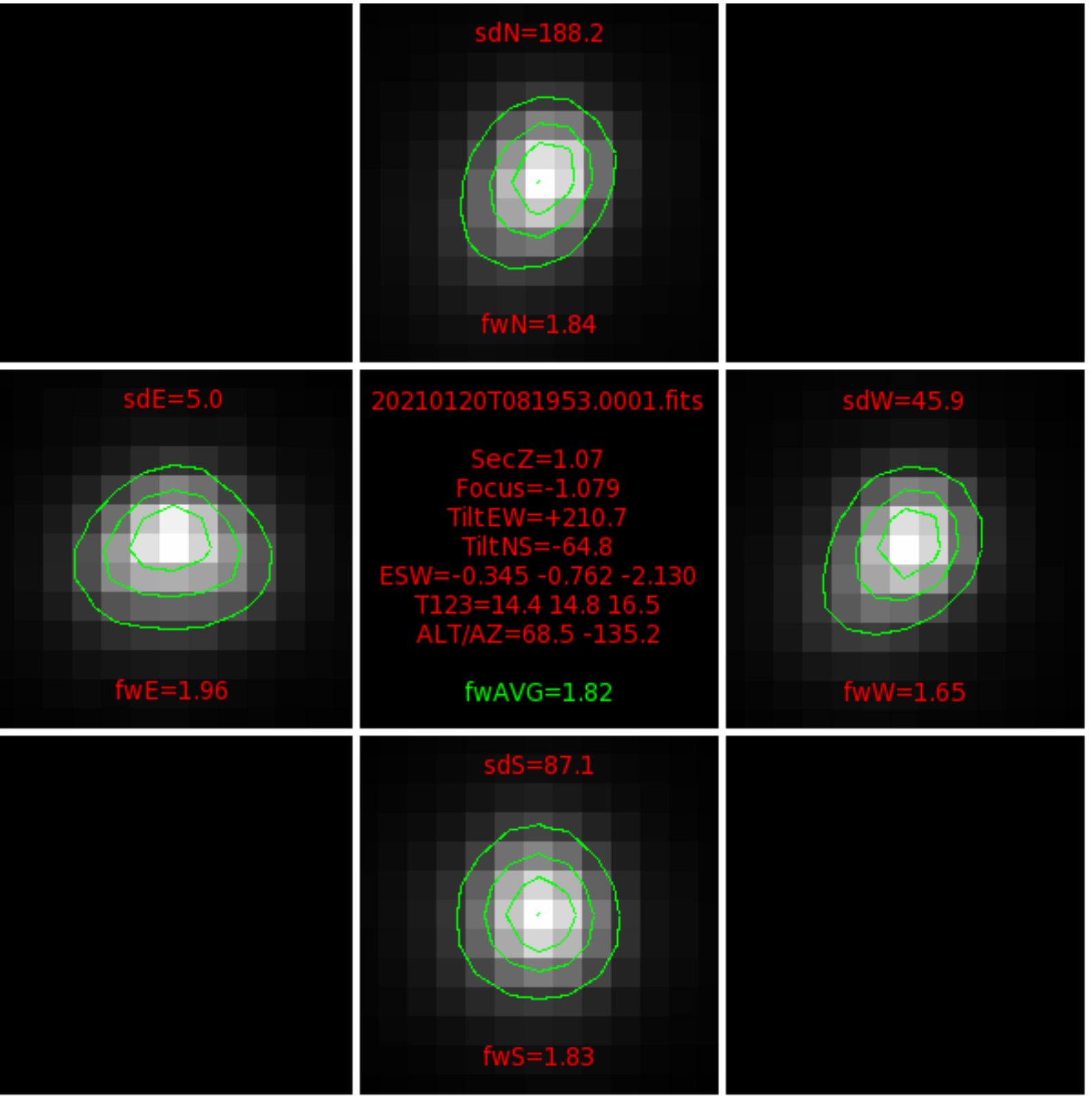
sdN=188.2
fwN=1.84
sdE=5.0
fwE=1.96
20210120T081953.0001.fits
SecZ=1.07
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=68.5 -135.2
fwAVG=1.82
sdW=45.9
fwW=1.65
sdS=87.1
fwS=1.83
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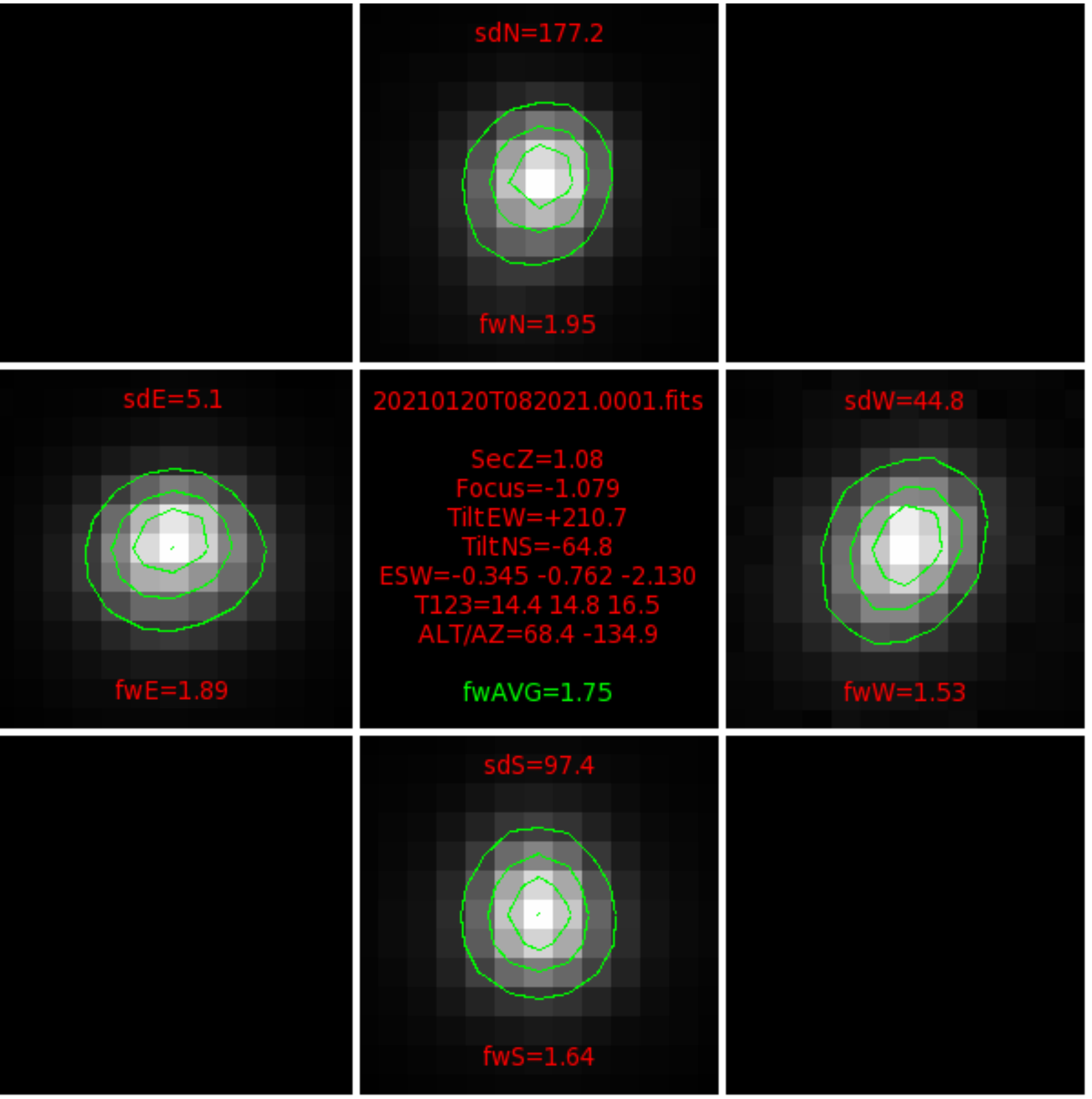
sdN=177.2
fwN=1.95
sdE=5.1
fwE=1.89
20210120T082021.0001.fits
SecZ=1.08
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=68.4 -134.9
fwAVG=1.75
sdW=44.8
fwW=1.53
sdS=97.4
fwS=1.64
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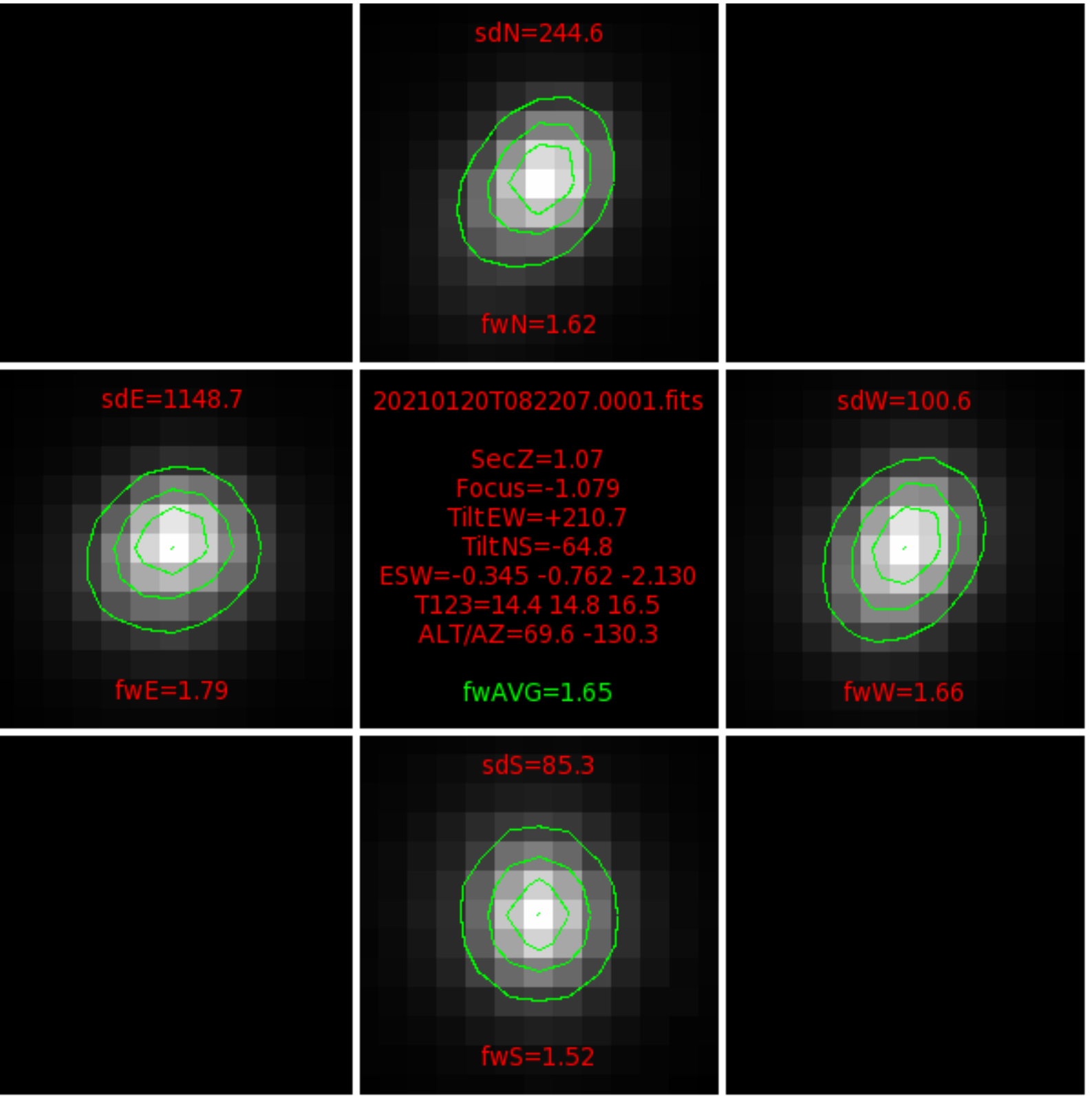
sdN=244.6
fwN=1.62
sdE=1148.7
fwE=1.79
20210120T082207.0001.fits
SecZ=1.07
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=69.6 -130.3
fwAVG=1.65
sdW=100.6
fwW=1.66
sdS=85.3
fwS=1.52
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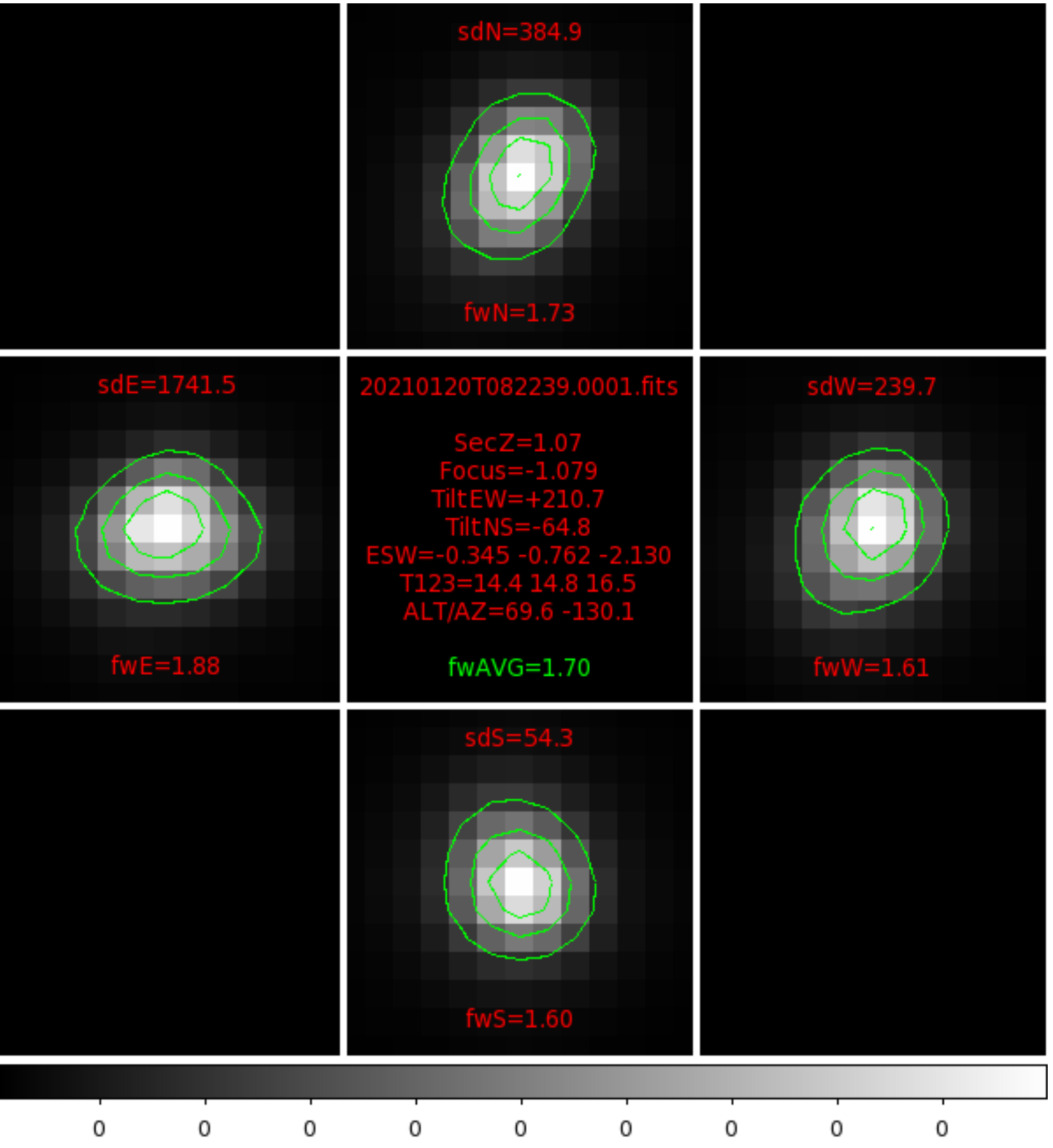
sdN=384.9
fwN=1.73
sdE=1741.5
fwE=1.88
20210120T082239.0001.fits
SecZ=1.07
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=69.6 -130.1
fwAVG=1.70
sdW=239.7
fwW=1.61
sdS=54.3
fwS=1.60
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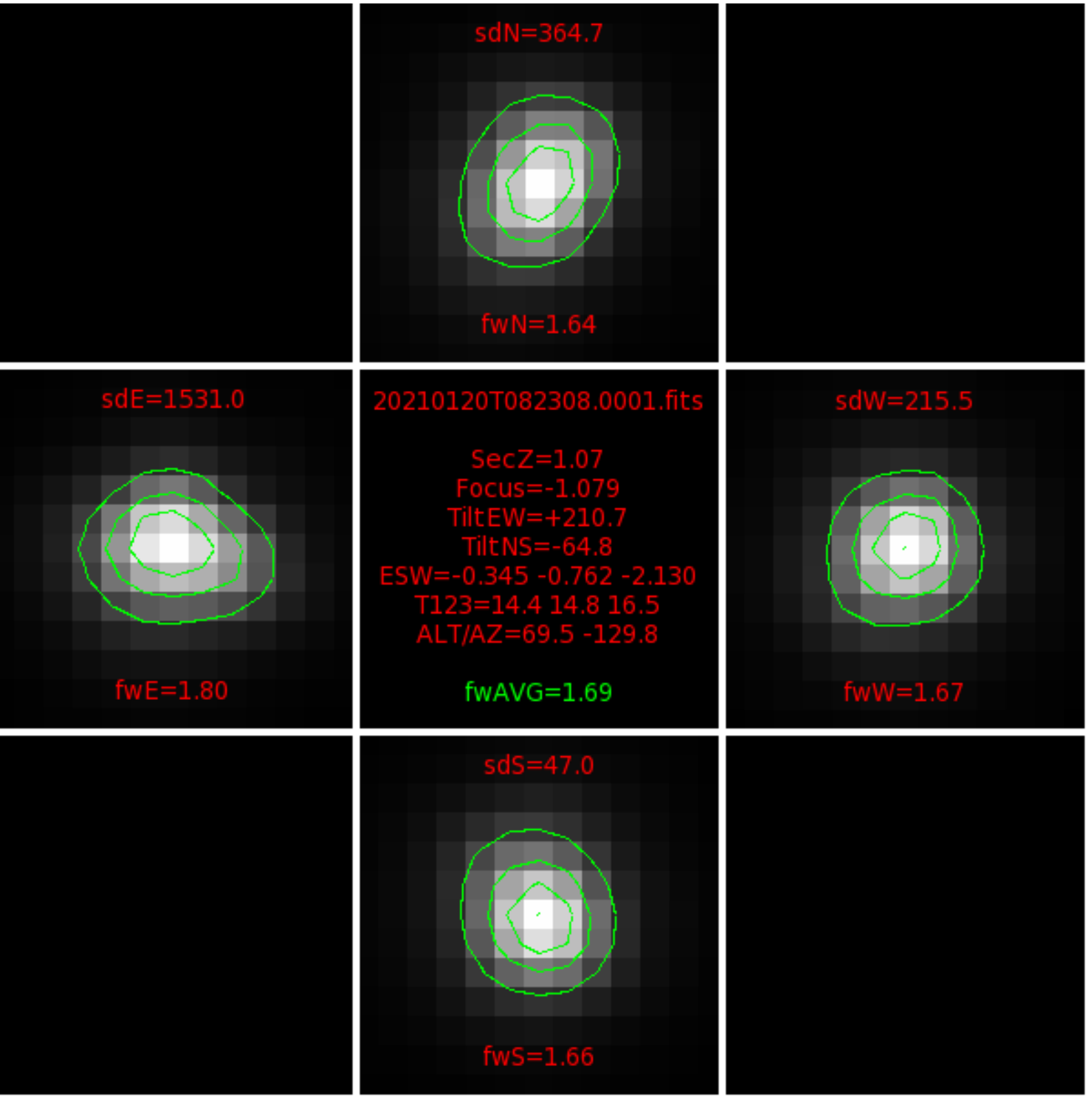
sdN=364.7
fwN=1.64
sdE=1531.0
fwE=1.80
20210120T082308.0001.fits
SecZ=1.07
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=69.5 -129.8
fwAVG=1.69
sdW=215.5
fwW=1.67
sdS=47.0
fwS=1.66
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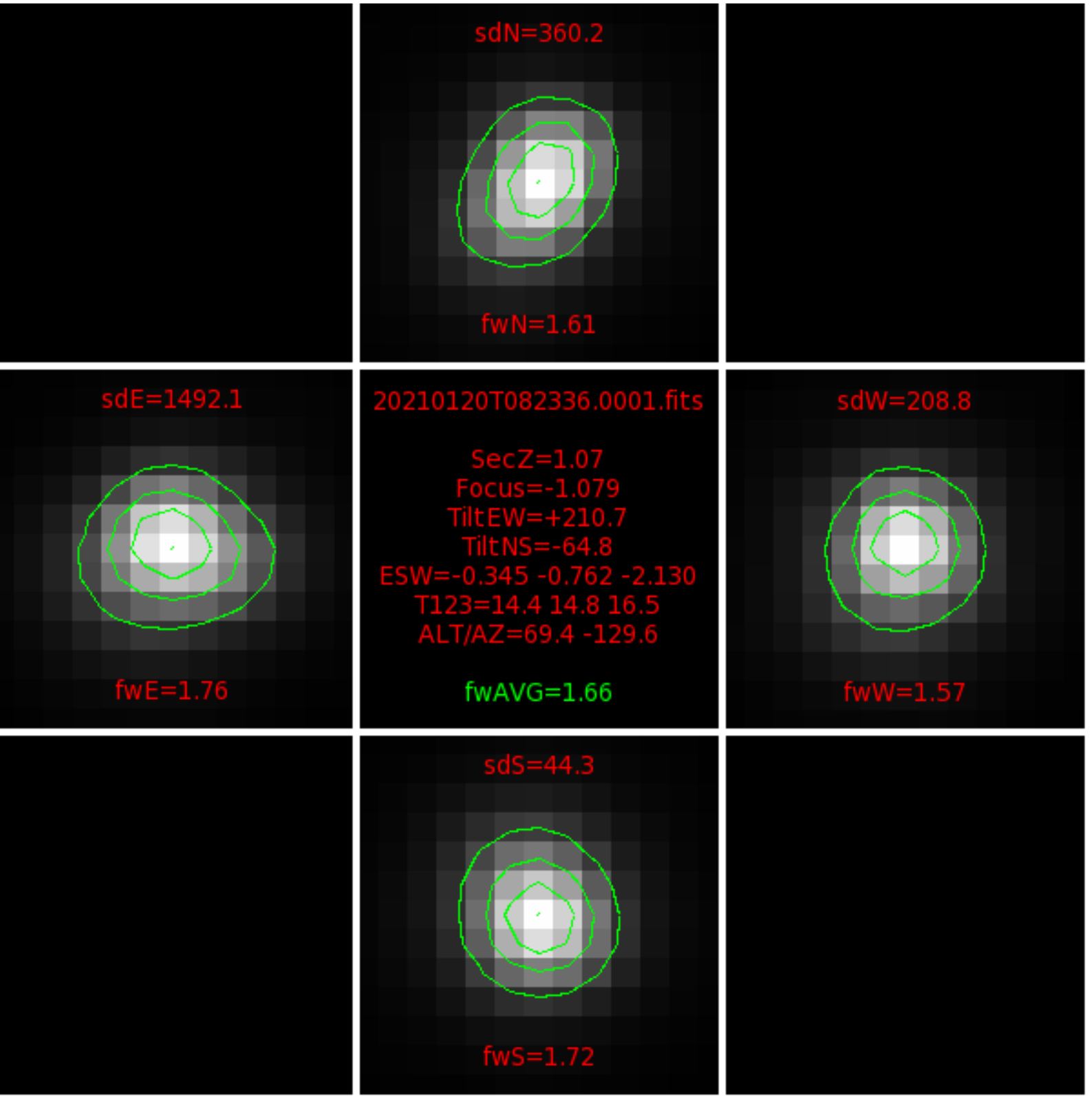
sdN=360.2
fwN=1.61
sdE=1492.1
fwE=1.76
20210120T082336.0001.fits
SecZ=1.07
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=69.4 -129.6
fwAVG=1.66
sdW=208.8
fwW=1.57
sdS=44.3
fwS=1.72
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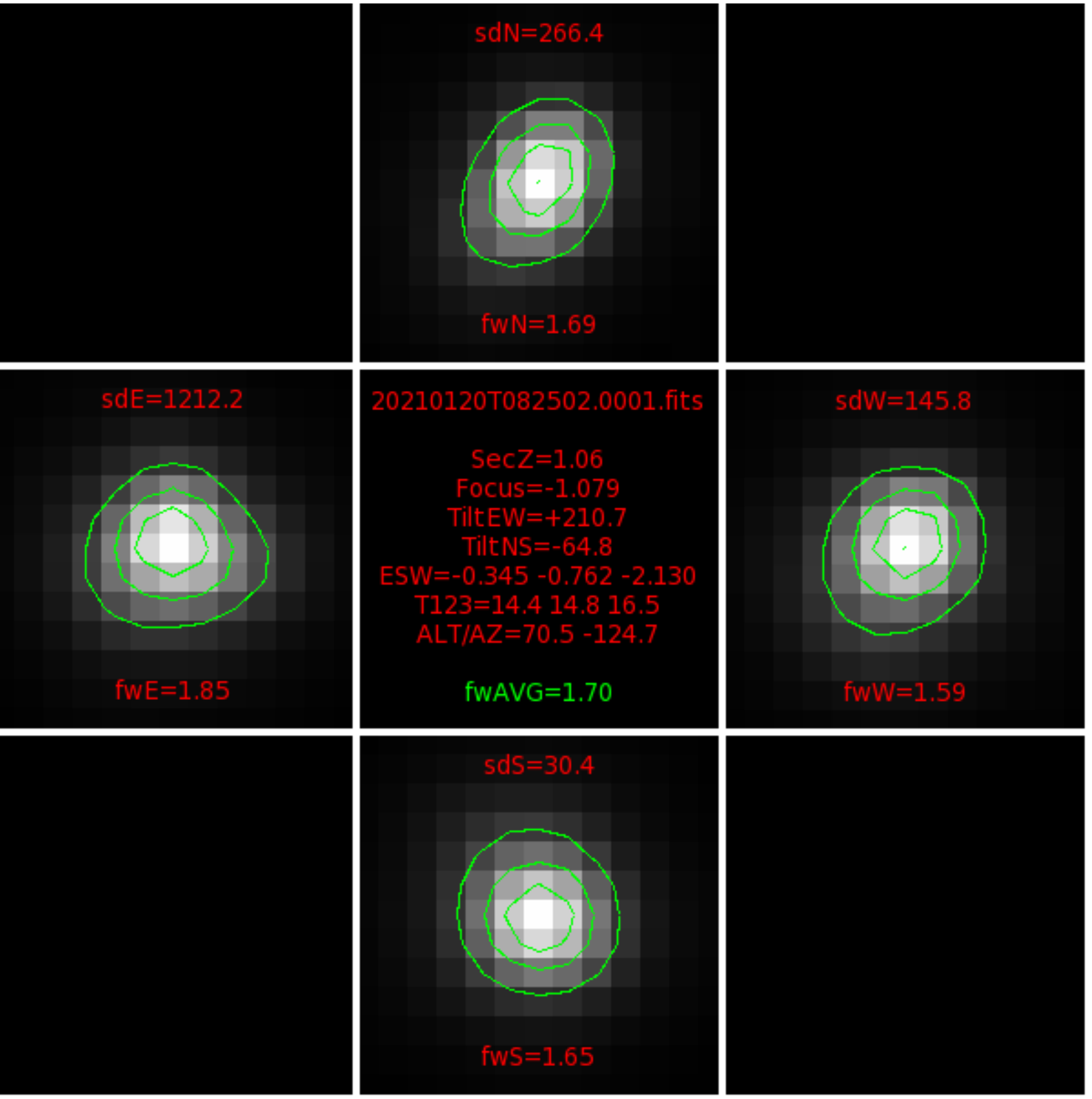
sdN=266.4
fwN=1.69
sdE=1212.2
fwE=1.85
20210120T082502.0001.fits
SecZ=1.06
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=70.5 -124.7
fwAVG=1.70
sdW=145.8
fwW=1.59
sdS=30.4
fwS=1.65
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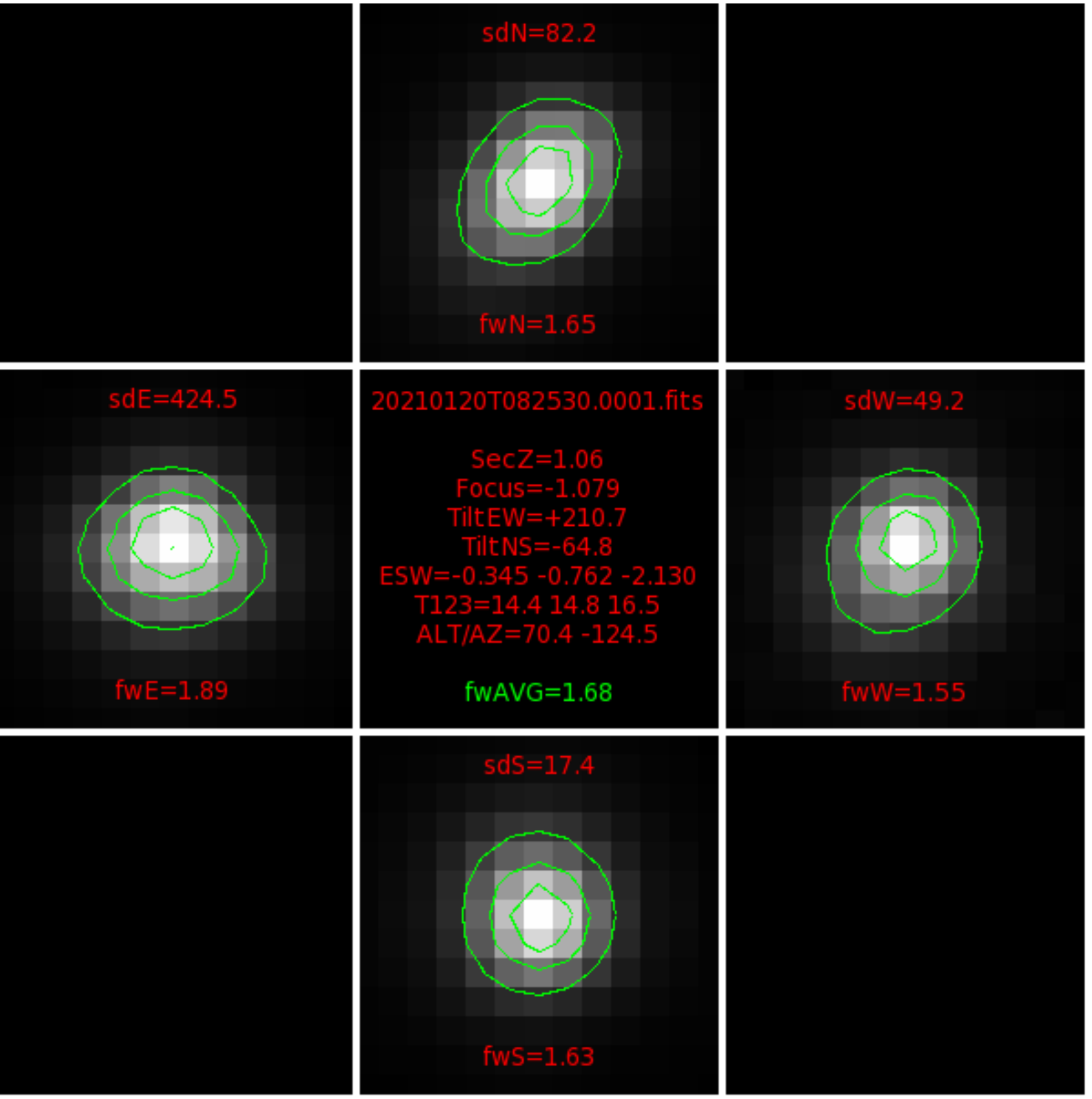
sdN=82.2
fwN=1.65
sdE=424.5
fwE=1.89
20210120T082530.0001.fits
SecZ=1.06
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=70.4 -124.5
fwAVG=1.68
sdW=49.2
fwW=1.55
sdS=17.4
fwS=1.63
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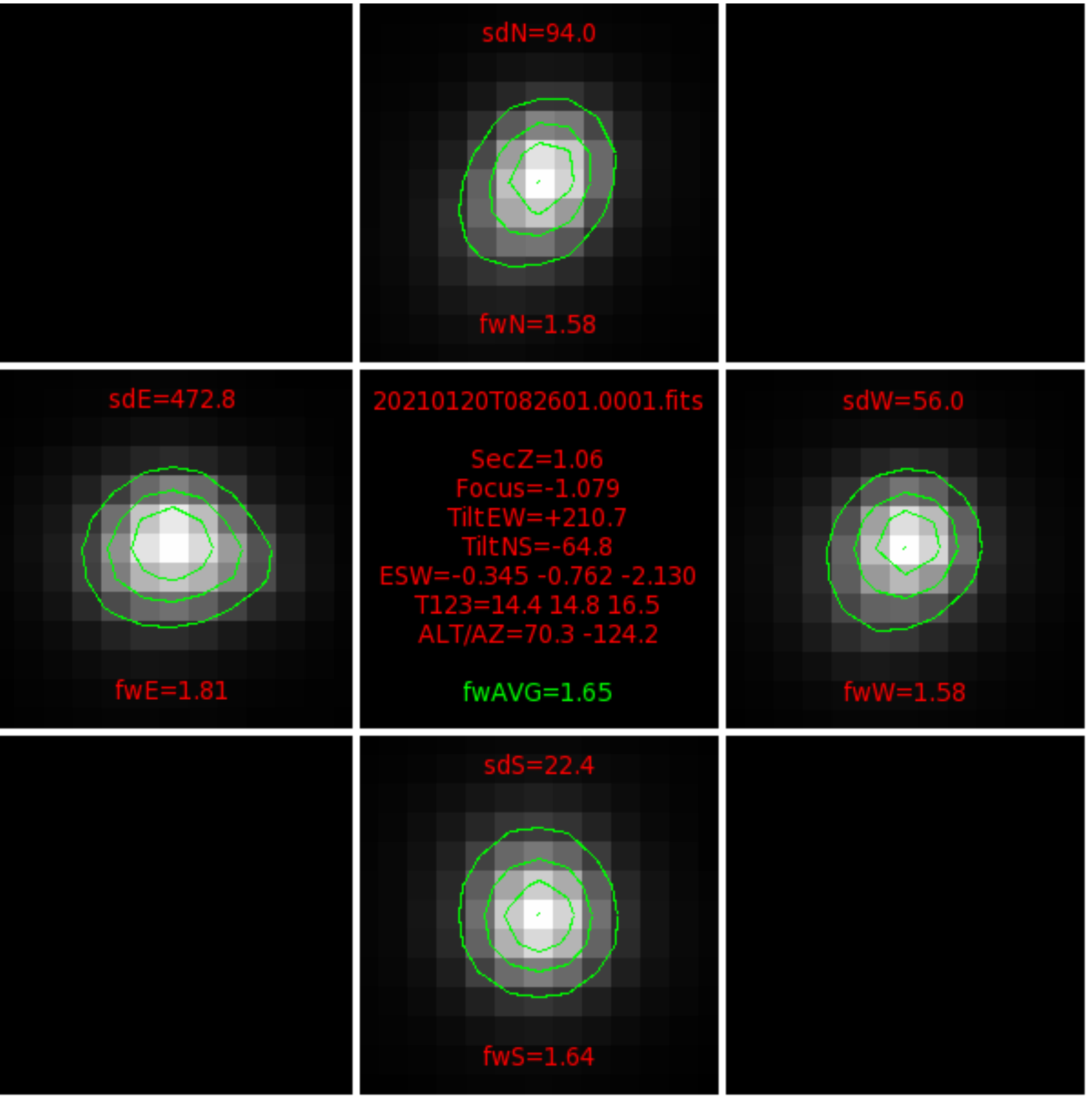
sdN=94.0
fwN=1.58
sdE=472.8
fwE=1.81
20210120T082601.0001.fits
SecZ=1.06
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=70.3 -124.2
fwAVG=1.65
sdW=56.0
fwW=1.58
sdS=22.4
fwS=1.64
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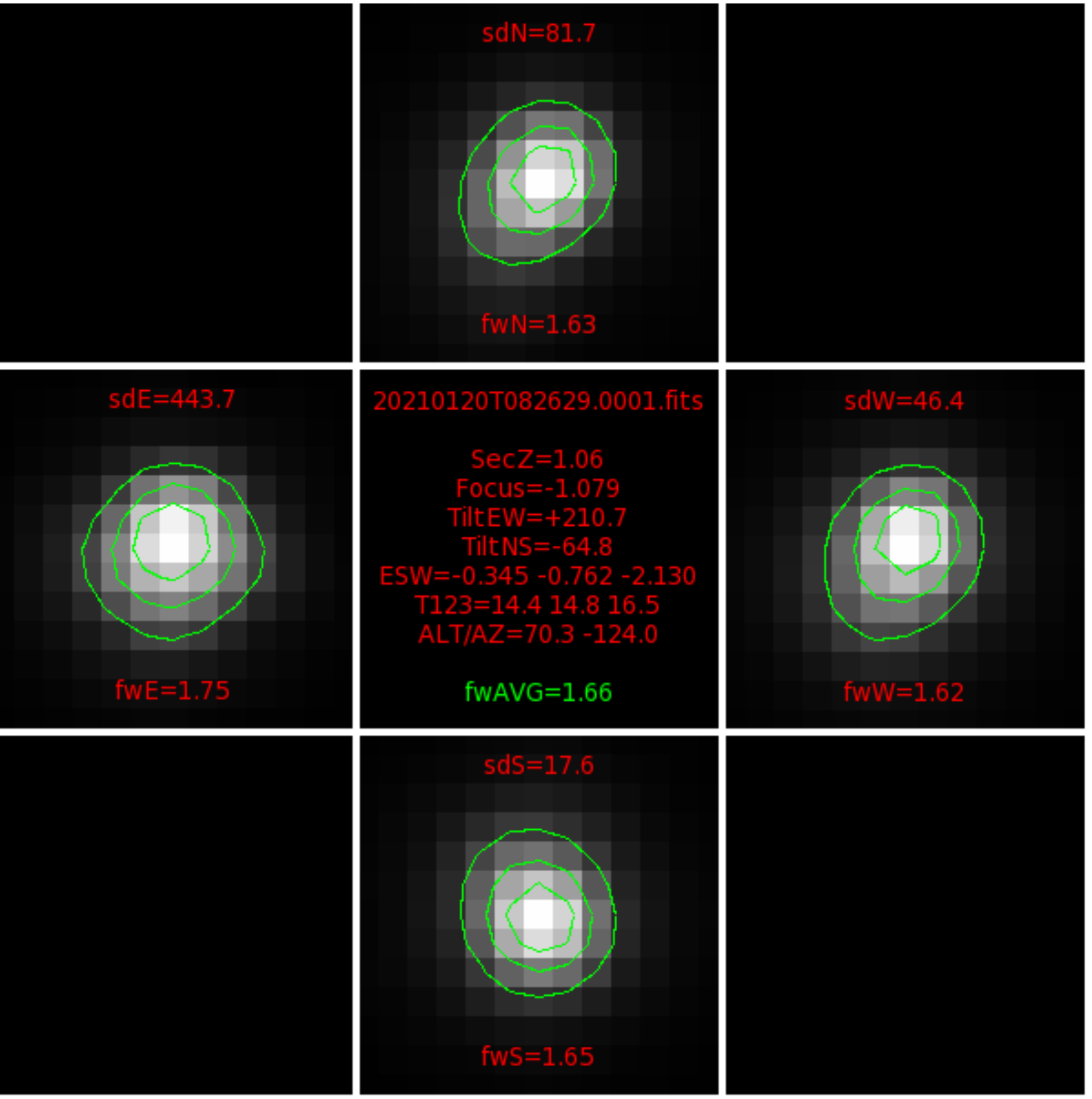
sdN=81.7
fwN=1.63
sdE=443.7
fwE=1.75
20210120T082629.0001.fits
SecZ=1.06
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=70.3 -124.0
fwAVG=1.66
sdW=46.4
fwW=1.62
sdS=17.6
fwS=1.65
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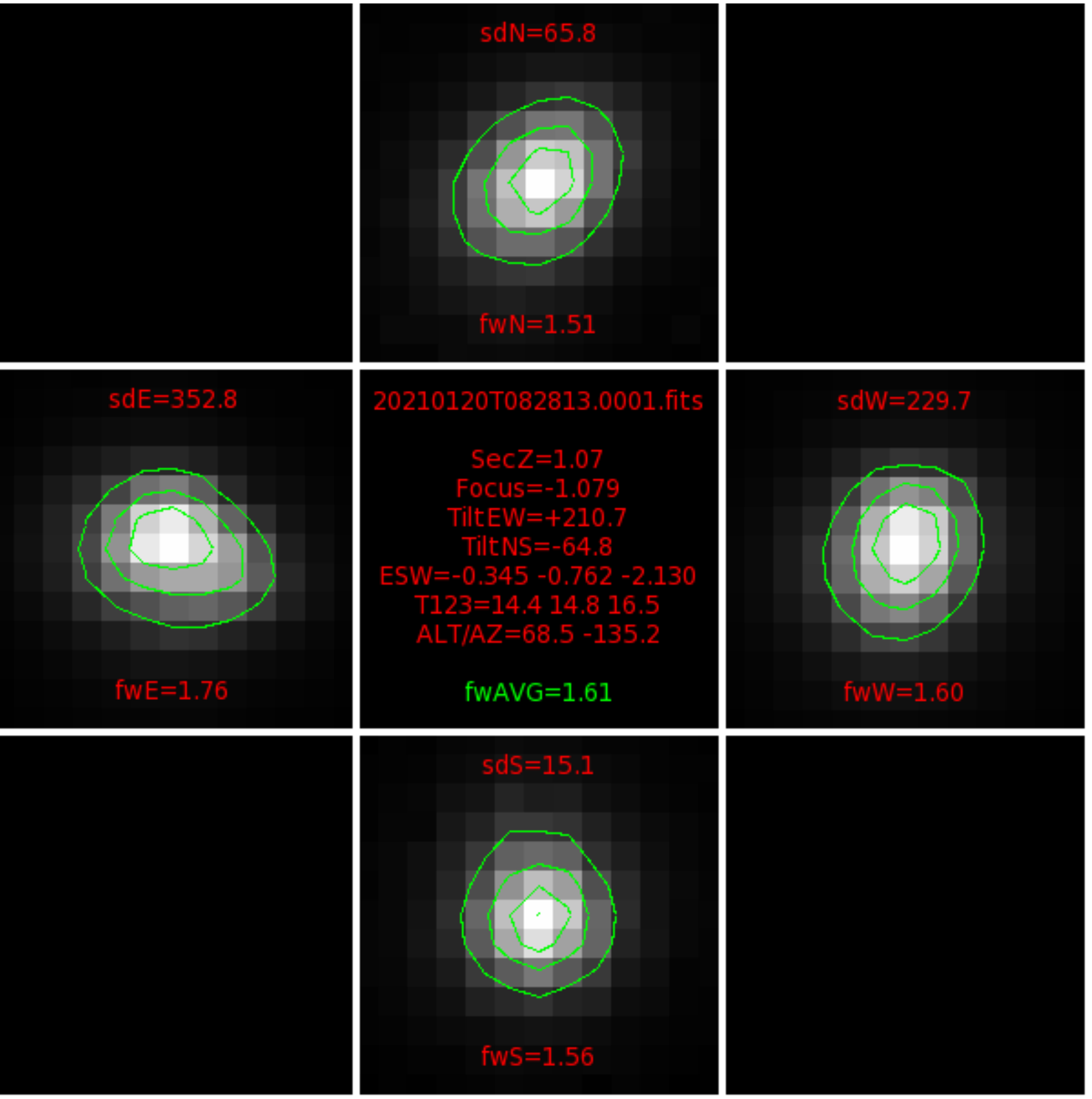
sdN=65.8
fwN=1.51
sdE=352.8
fwE=1.76
20210120T082813.0001.fits
SecZ=1.07
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=68.5 -135.2
fwAVG=1.61
sdW=229.7
fwW=1.60
sdS=15.1
fwS=1.56
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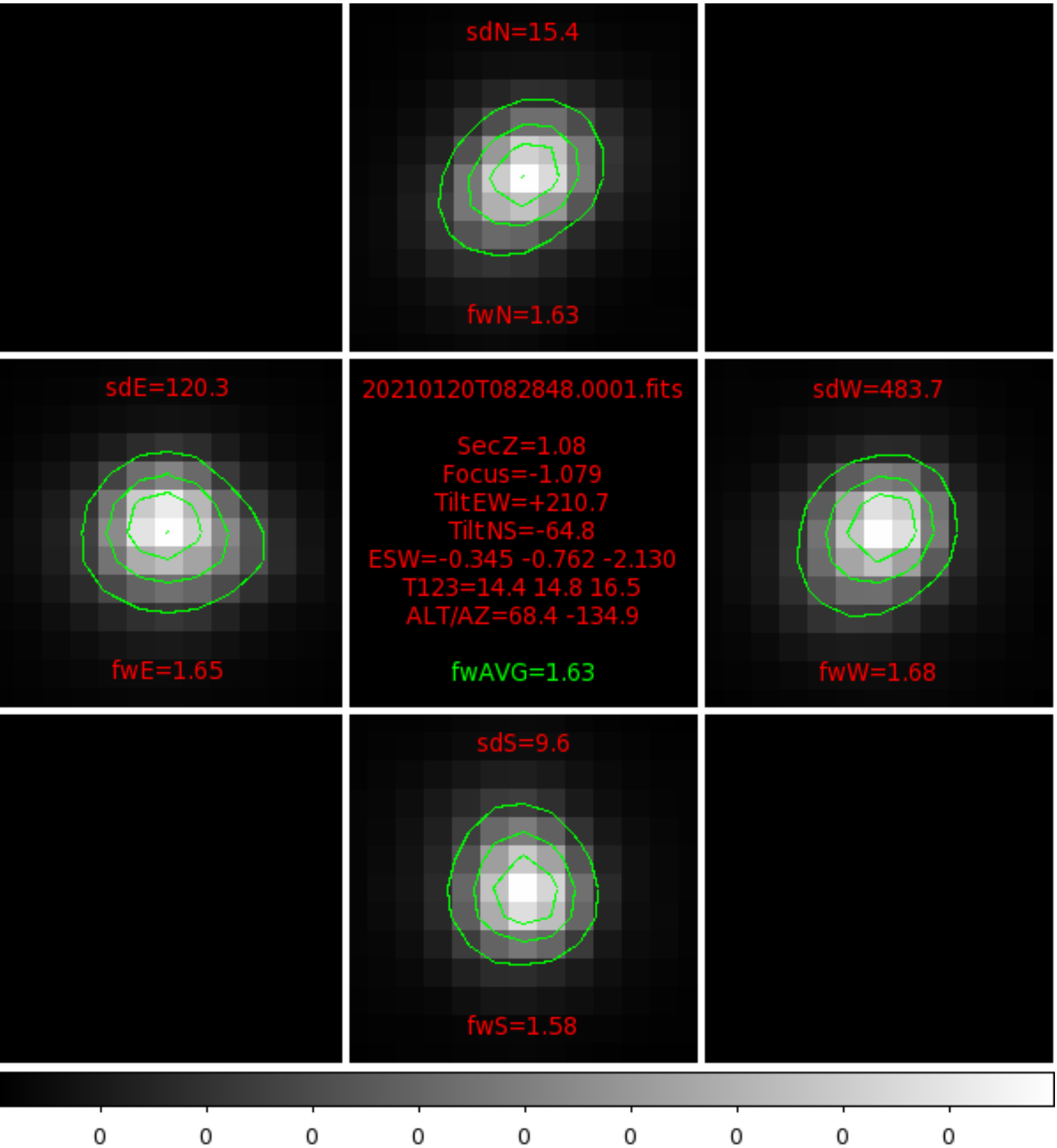
sdN=15.4
fwN=1.63
sdE=120.3
fwE=1.65
20210120T082848.0001.fits
SecZ=1.08
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=68.4 -134.9
fwAVG=1.63
sdW=483.7
fwW=1.68
sdS=9.6
fwS=1.58
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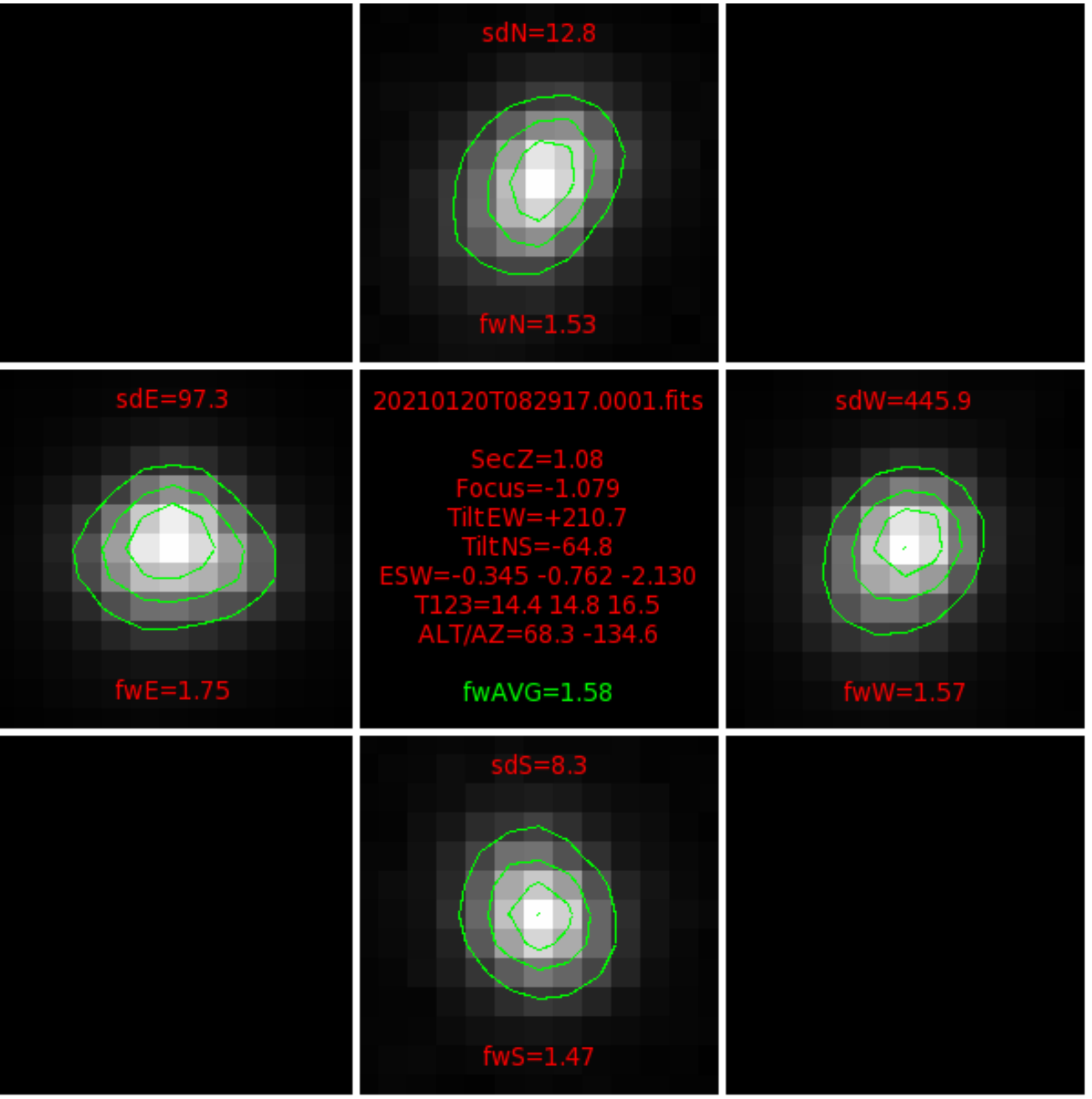
sdN=12.8
fwN=1.53
sdE=97.3
fwE=1.75
20210120T082917.0001.fits
SecZ=1.08
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=68.3 -134.6
fwAVG=1.58
sdW=445.9
fwW=1.57
sdS=8.3
fwS=1.47
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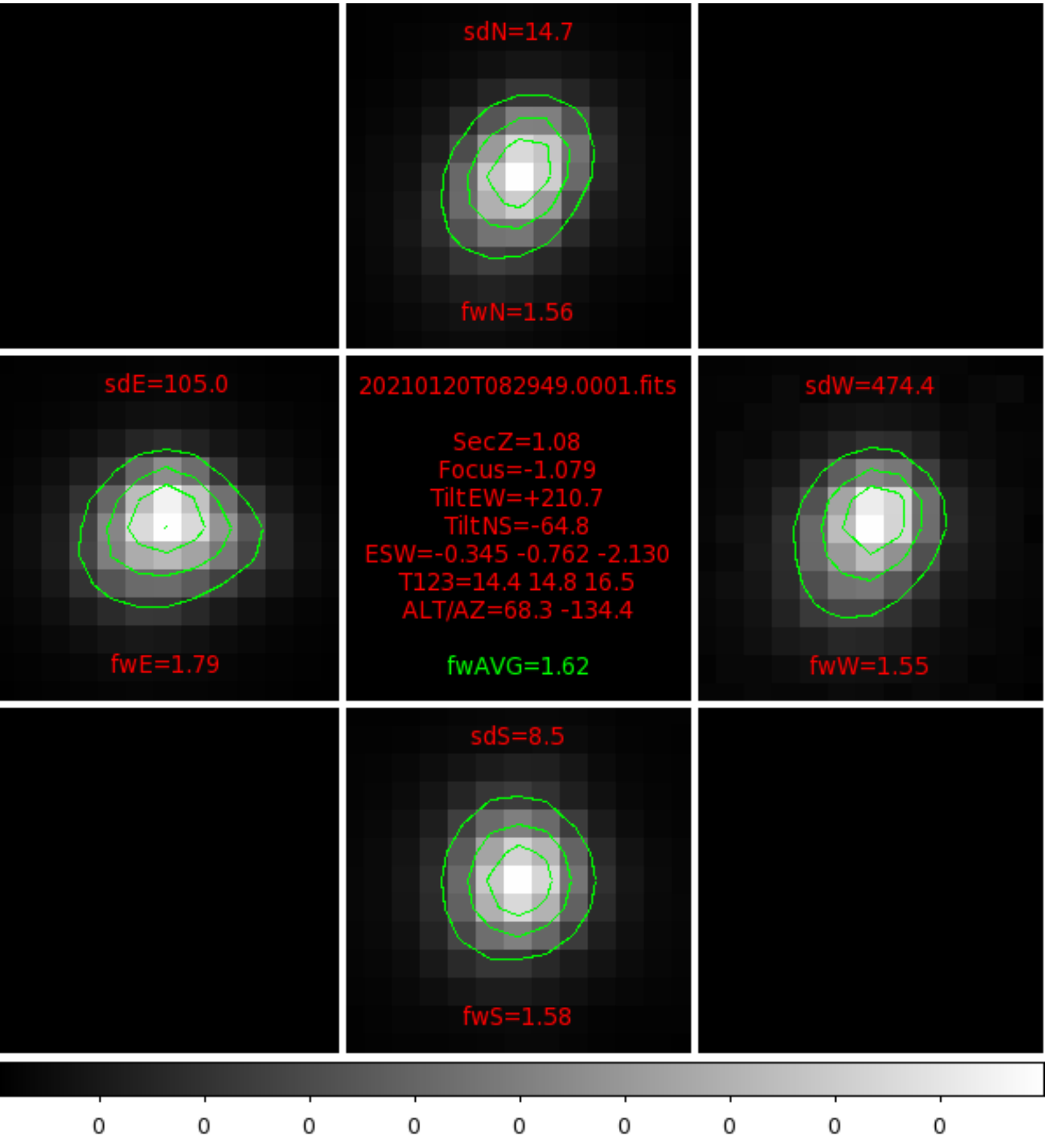
sdN=14.7
fwN=1.56
sdE=105.0
fwE=1.79
20210120T082949.0001.fits
SecZ=1.08
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=68.3 -134.4
fwAVG=1.62
sdW=474.4
fwW=1.55
sdS=8.5
fwS=1.58
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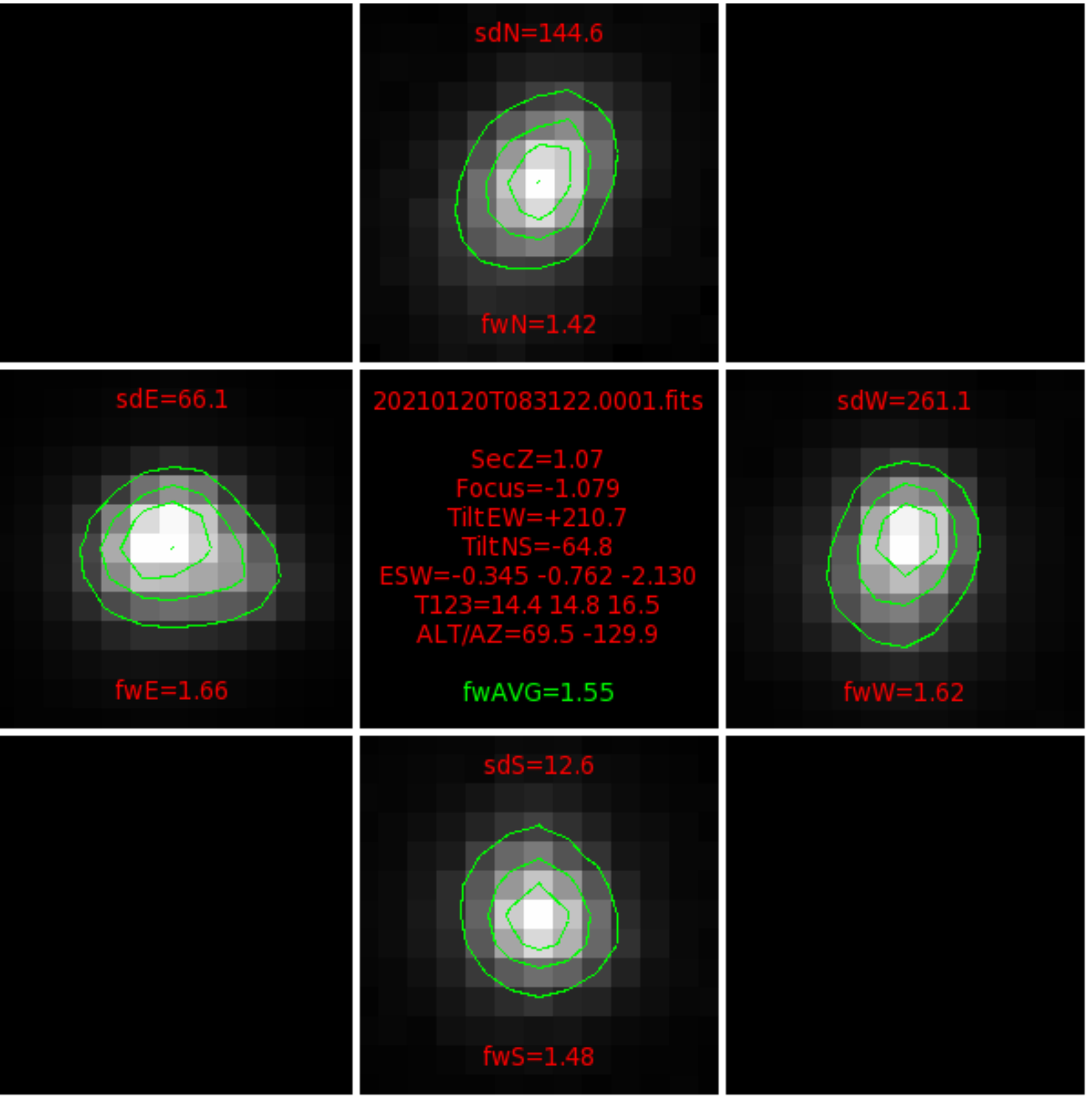
sdN=144.6
fwN=1.42
sdE=66.1
fwE=1.66
20210120T083122.0001.fits
SecZ=1.07
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=69.5 -129.9
fwAVG=1.55
sdW=261.1
fwW=1.62
sdS=12.6
fwS=1.48
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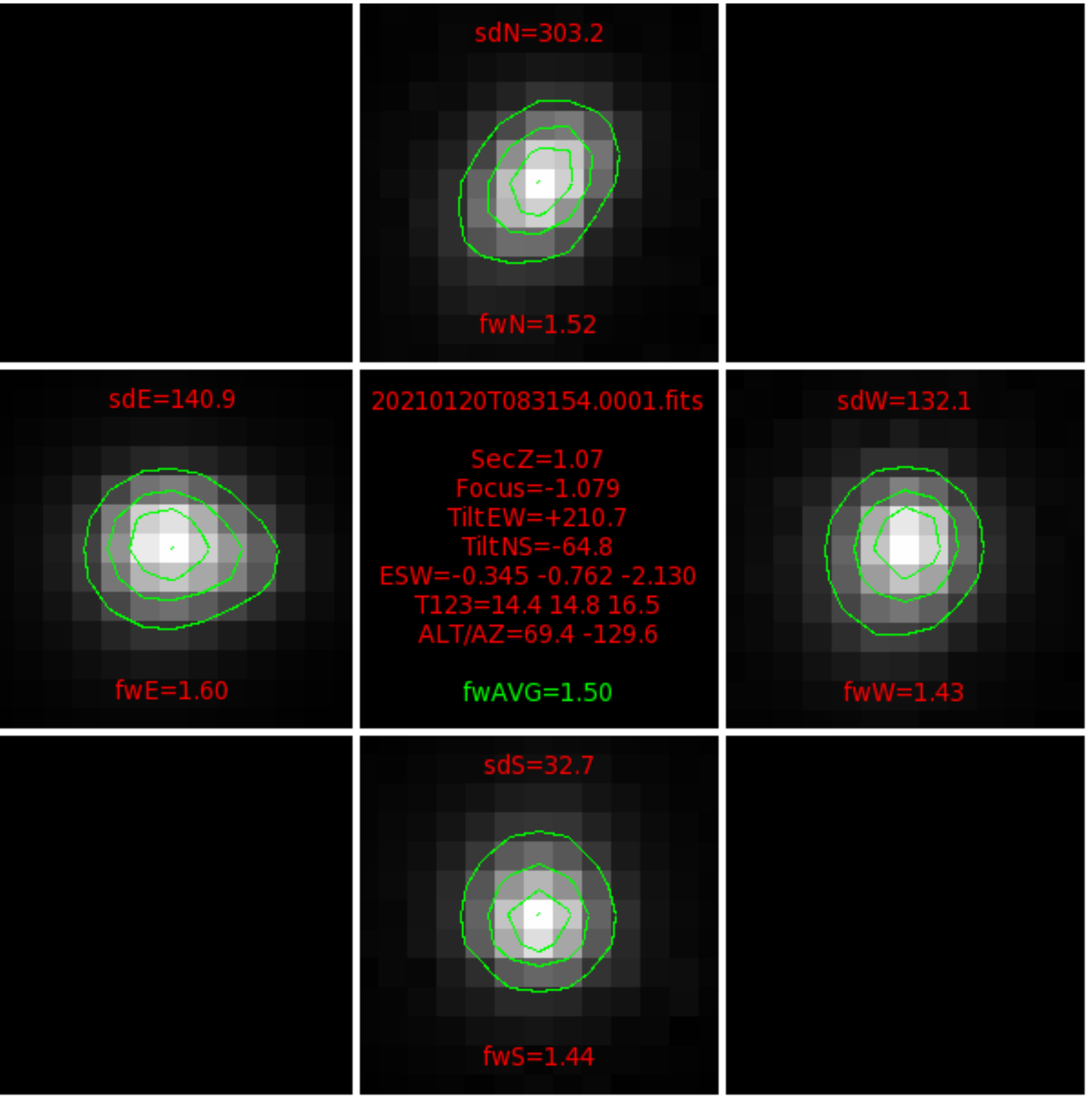
sdN=303.2
fwN=1.52
sdE=140.9
fwE=1.60
20210120T083154.0001.fits
SecZ=1.07
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=69.4 -129.6
fwAVG=1.50
sdW=132.1
fwW=1.43
sdS=32.7
fwS=1.44
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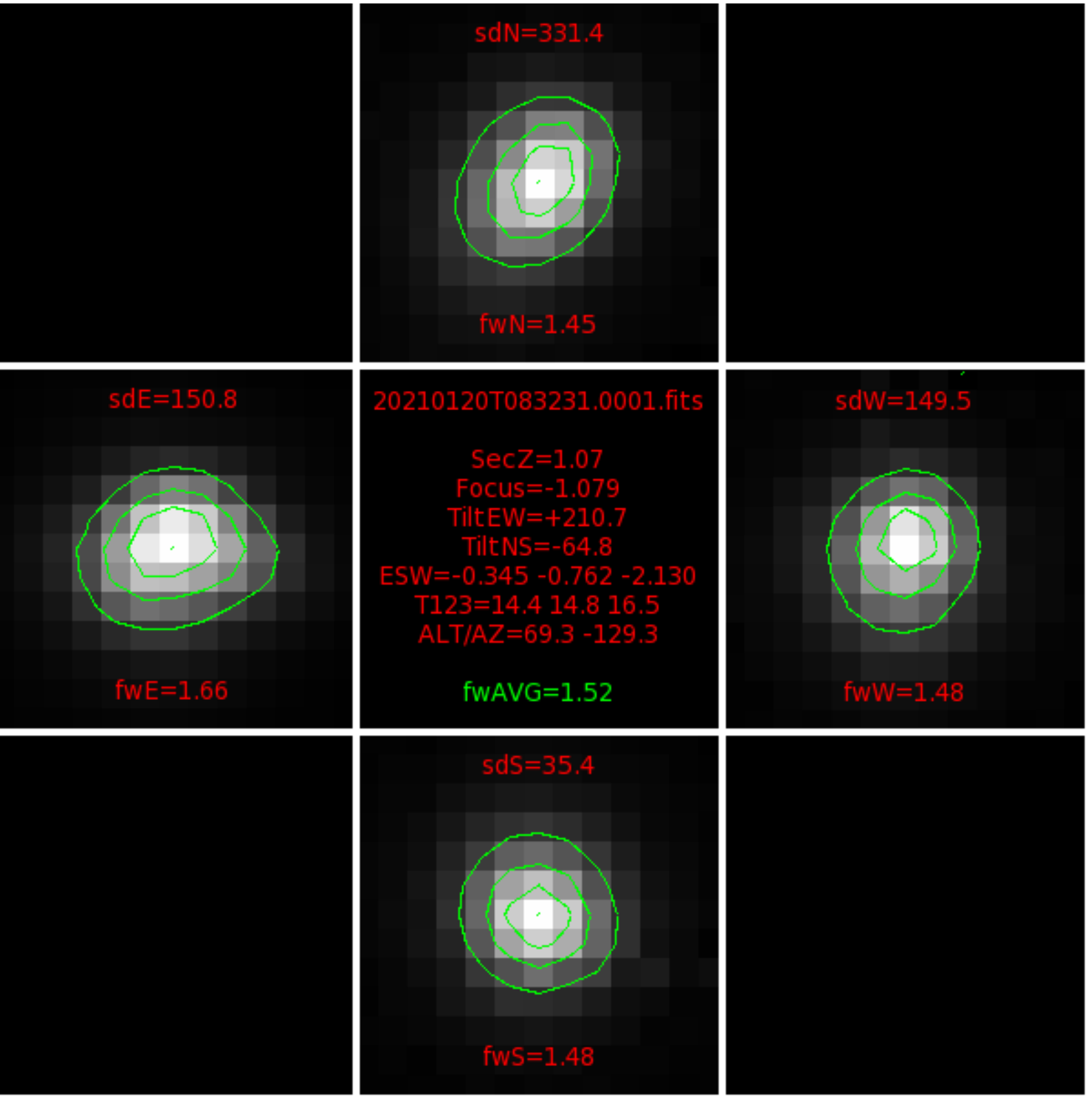
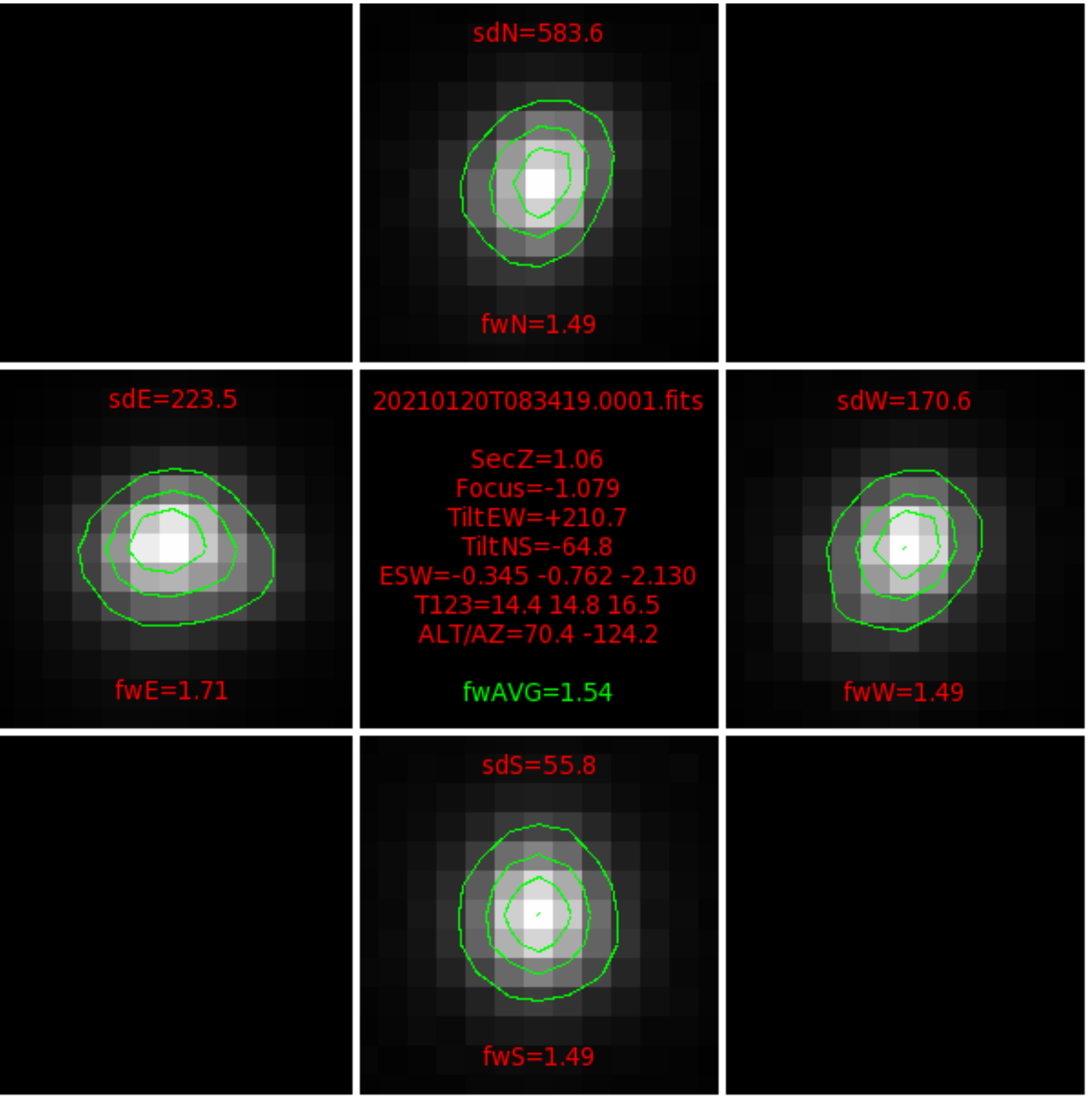

sdN=331.4
fwN=1.45
sdE=150.8
fwE=1.66
20210120T083231.0001.fits
SecZ=1.07
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=69.3 -129.3
fwAVG=1.52
sdW=149.5
fwW=1.48
sdS=35.4
fwS=1.48
0 0 0 0 0 0 0 0 0


sdN=583.6
fwN=1.49
sdE=223.5
fwE=1.71
20210120T083419.0001.fits
SecZ=1.06
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.5
ALT/AZ=70.4 -124.2
fwAVG=1.54
sdW=170.6
fwW=1.49
sdS=55.8
fwS=1.49
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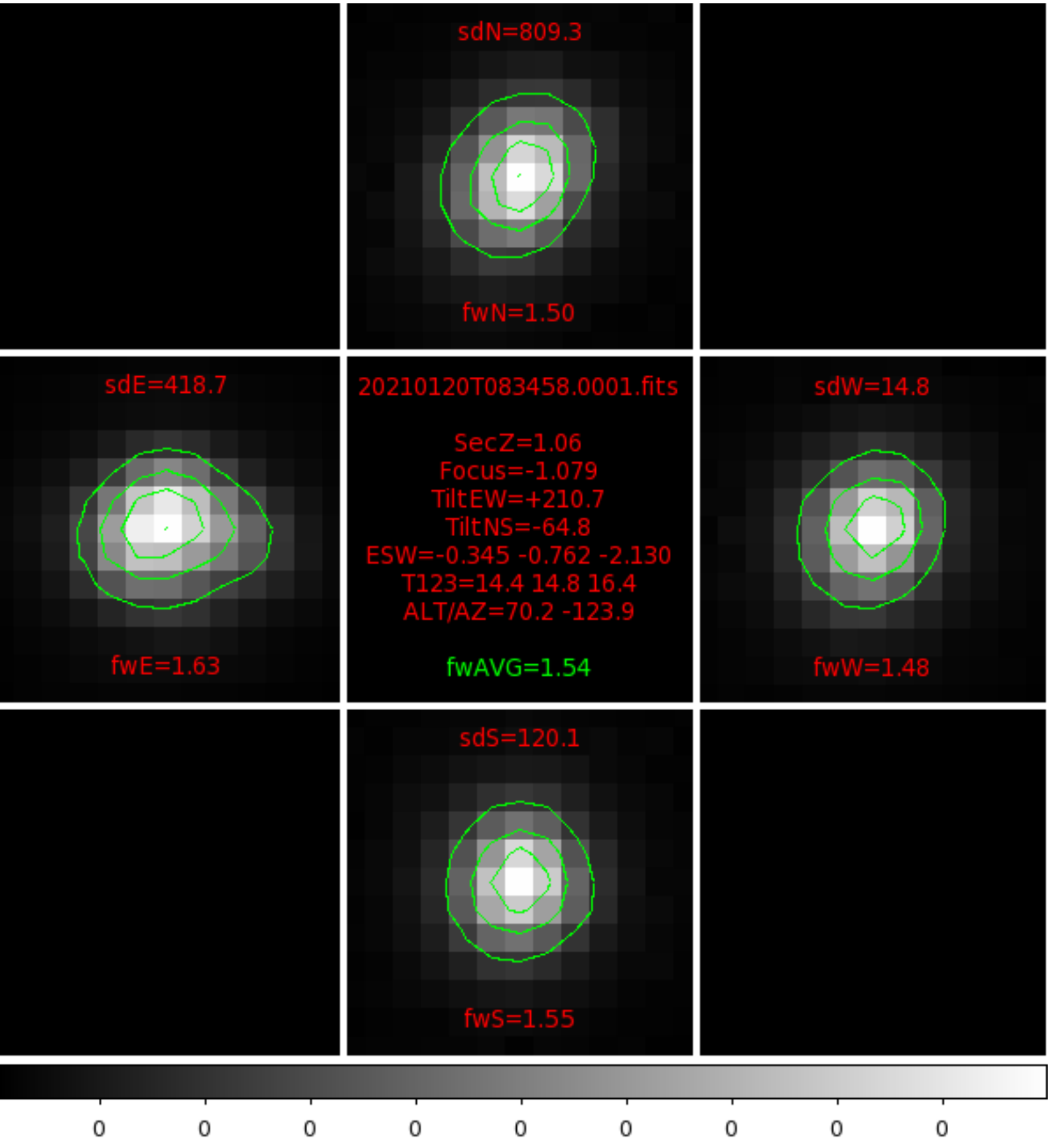
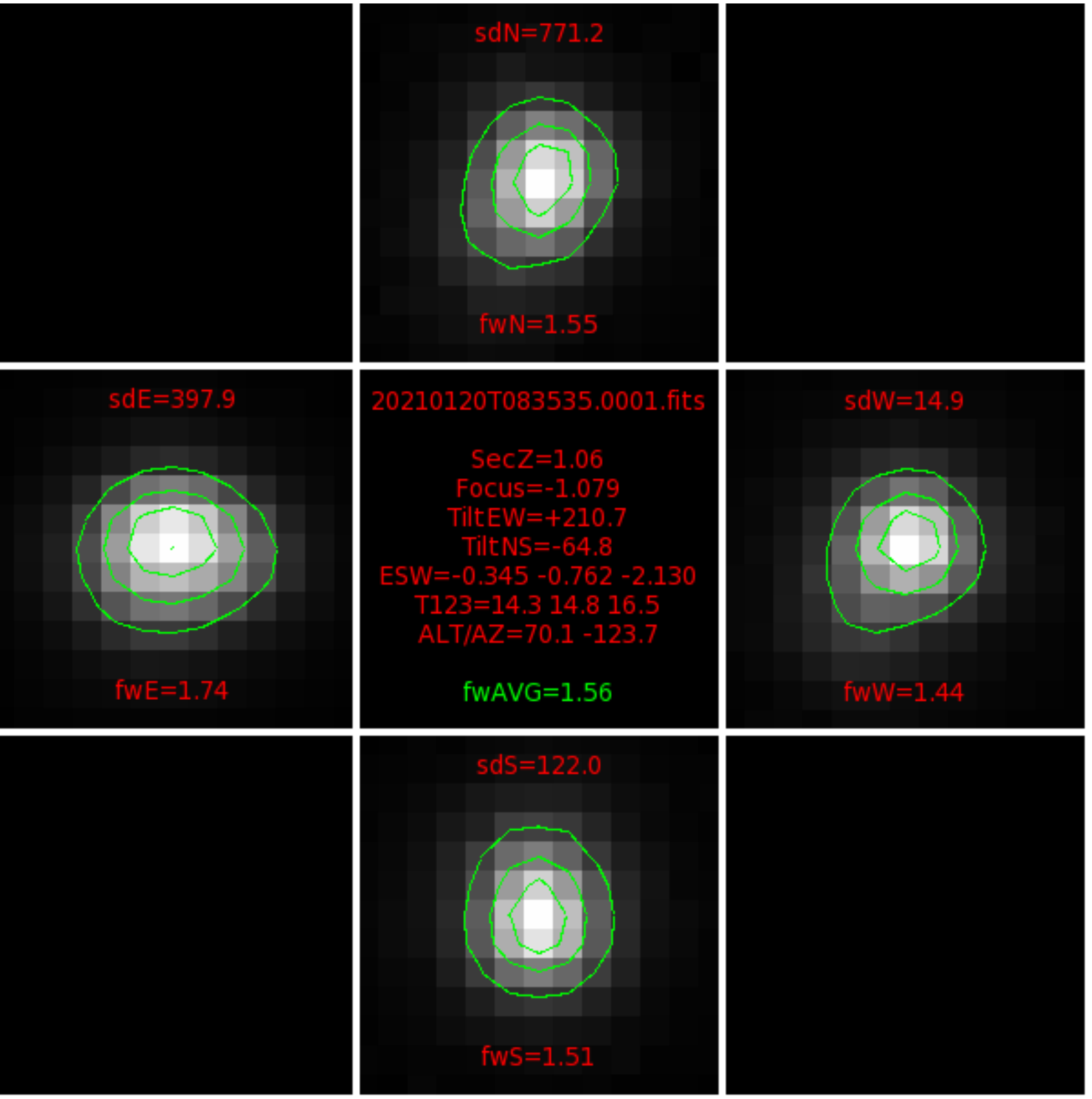

sdN=809.3
fwN=1.50
sdE=418.7
fwE=1.63
20210120T083458.0001.fits
SecZ=1.06
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.8 16.4
ALT/AZ=70.2 -123.9
fwAVG=1.54
sdW=14.8
fwW=1.48
sdS=120.1
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=771.2
fwN=1.55
sdE=397.9
fwE=1.74
20210120T083535.0001.fits
SecZ=1.06
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.8 16.5
ALT/AZ=70.1 -123.7
fwAVG=1.56
sdW=14.9
fwW=1.44
sdS=122.0
fwS=1.51
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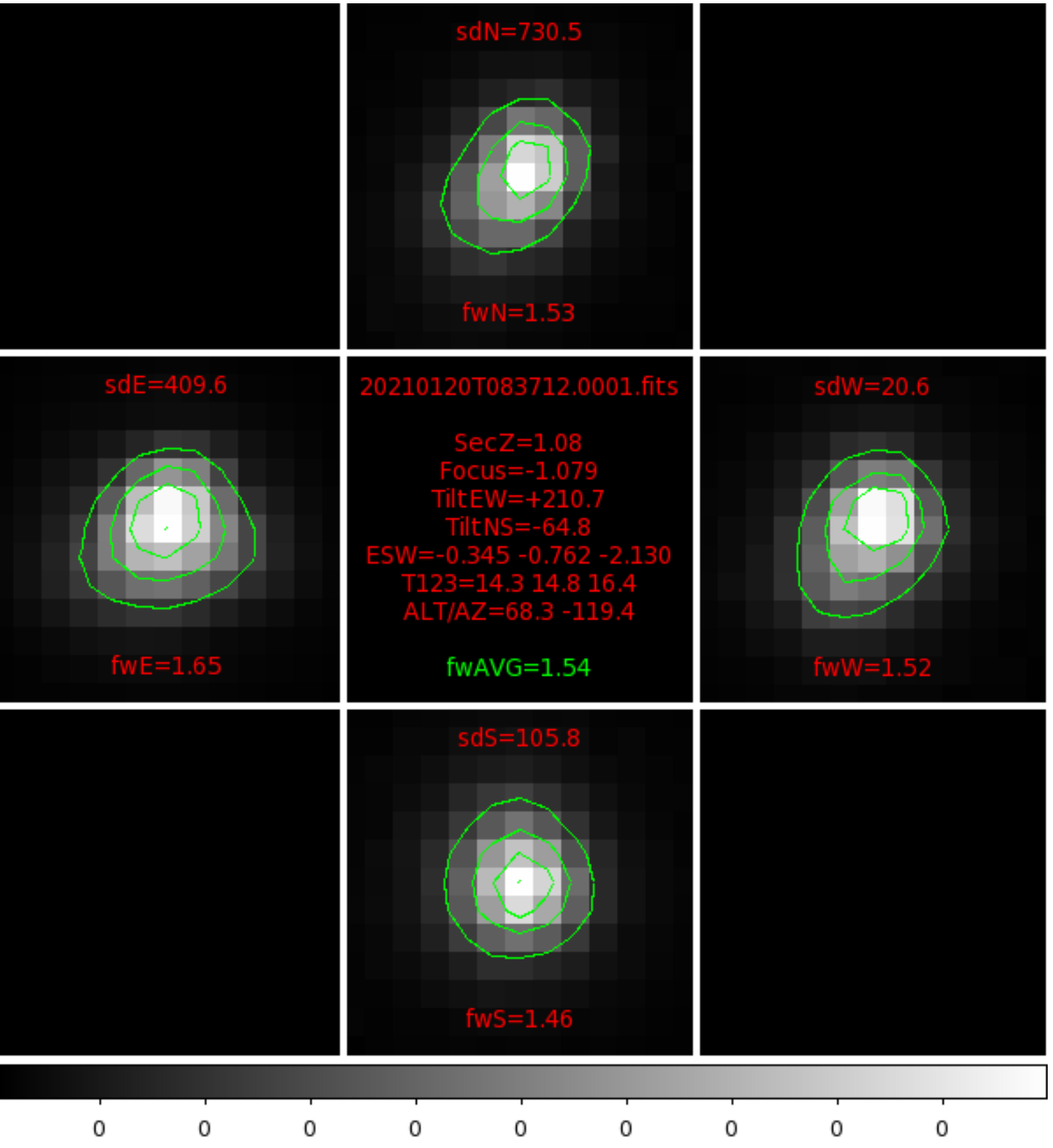
sdN=730.5
fwN=1.53
sdE=409.6
fwE=1.65
20210120T083712.0001.fits
SecZ=1.08
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.8 16.4
ALT/AZ=68.3 -119.4
fwAVG=1.54
sdW=20.6
fwW=1.52
sdS=105.8
fwS=1.46
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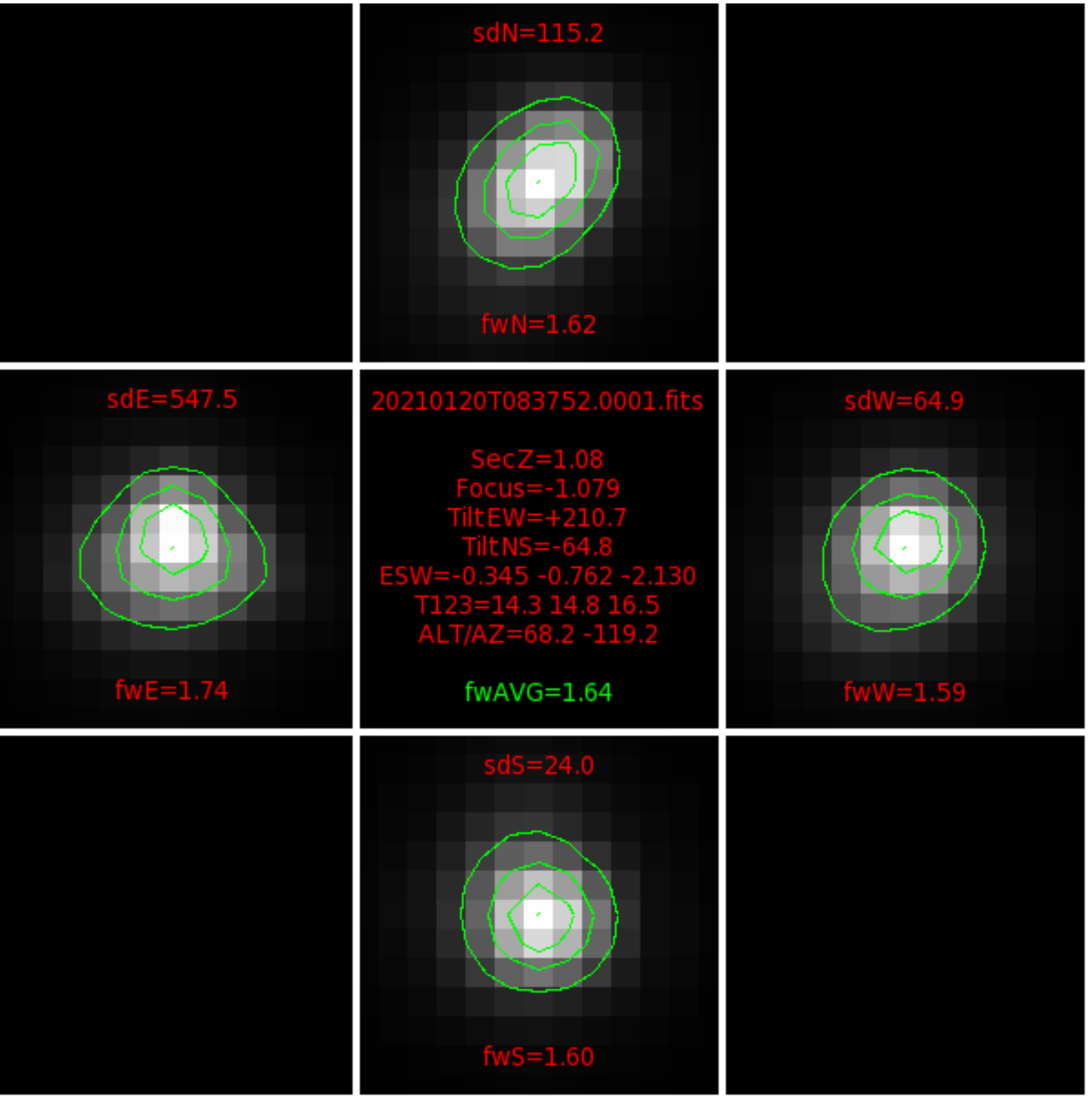
sdN=115.2
fwN=1.62
sdE=547.5
fwE=1.74
20210120T083752.0001.fits
SecZ=1.08
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.8 16.5
ALT/AZ=68.2 -119.2
fwAVG=1.64
sdW=64.9
fwW=1.59
sdS=24.0
fwS=1.60
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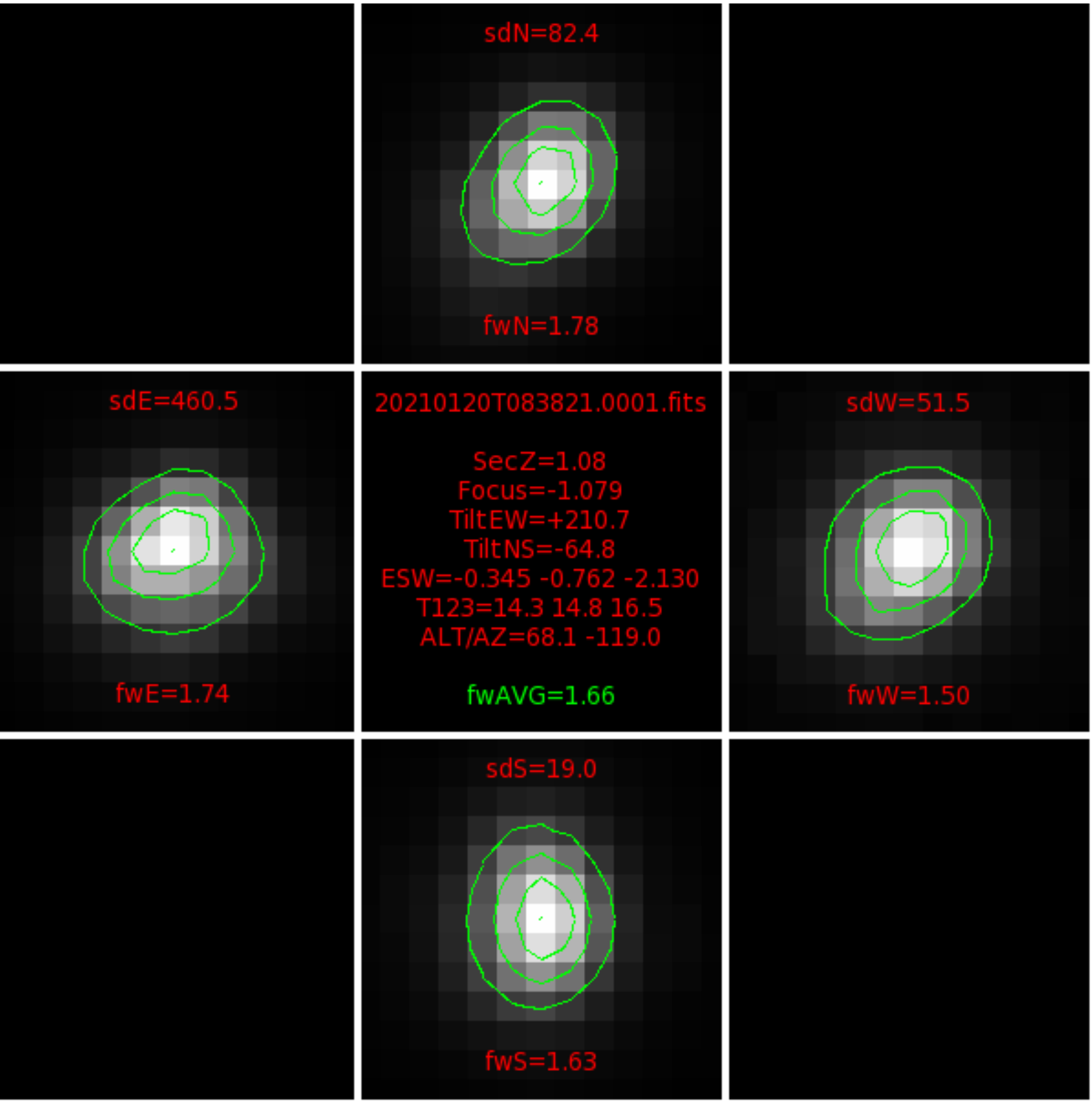
sdN=82.4
fwN=1.78
sdE=460.5
fwE=1.74
20210120T083821.0001.fits
SecZ=1.08
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.8 16.5
ALT/AZ=68.1 -119.0
fwAVG=1.66
sdW=51.5
fwW=1.50
sdS=19.0
fwS=1.63
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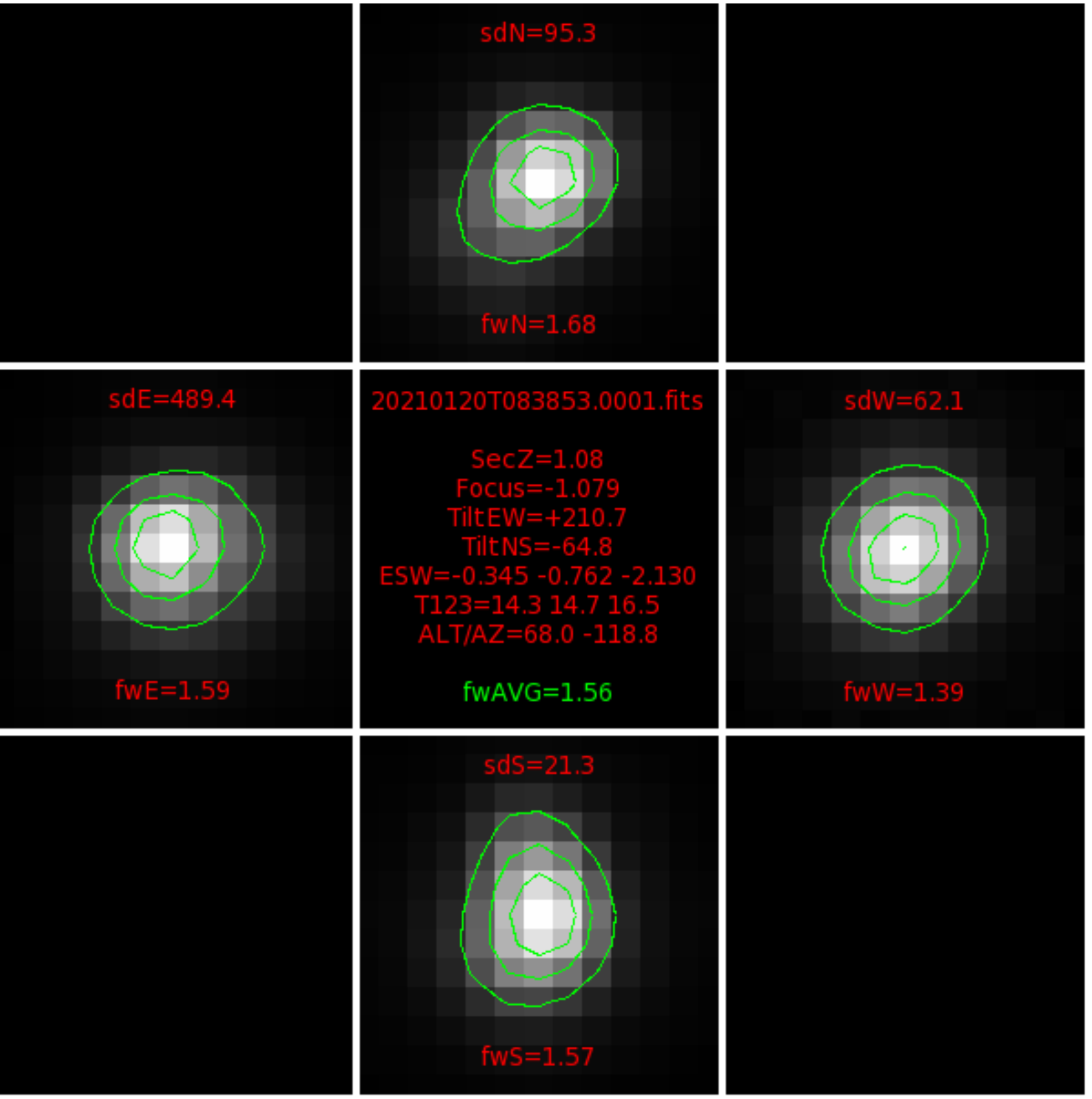
sdN=95.3
fwN=1.68
sdE=489.4
fwE=1.59
20210120T083853.0001.fits
SecZ=1.08
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.7 16.5
ALT/AZ=68.0 -118.8
fwAVG=1.56
sdW=62.1
fwW=1.39
sdS=21.3
fwS=1.57
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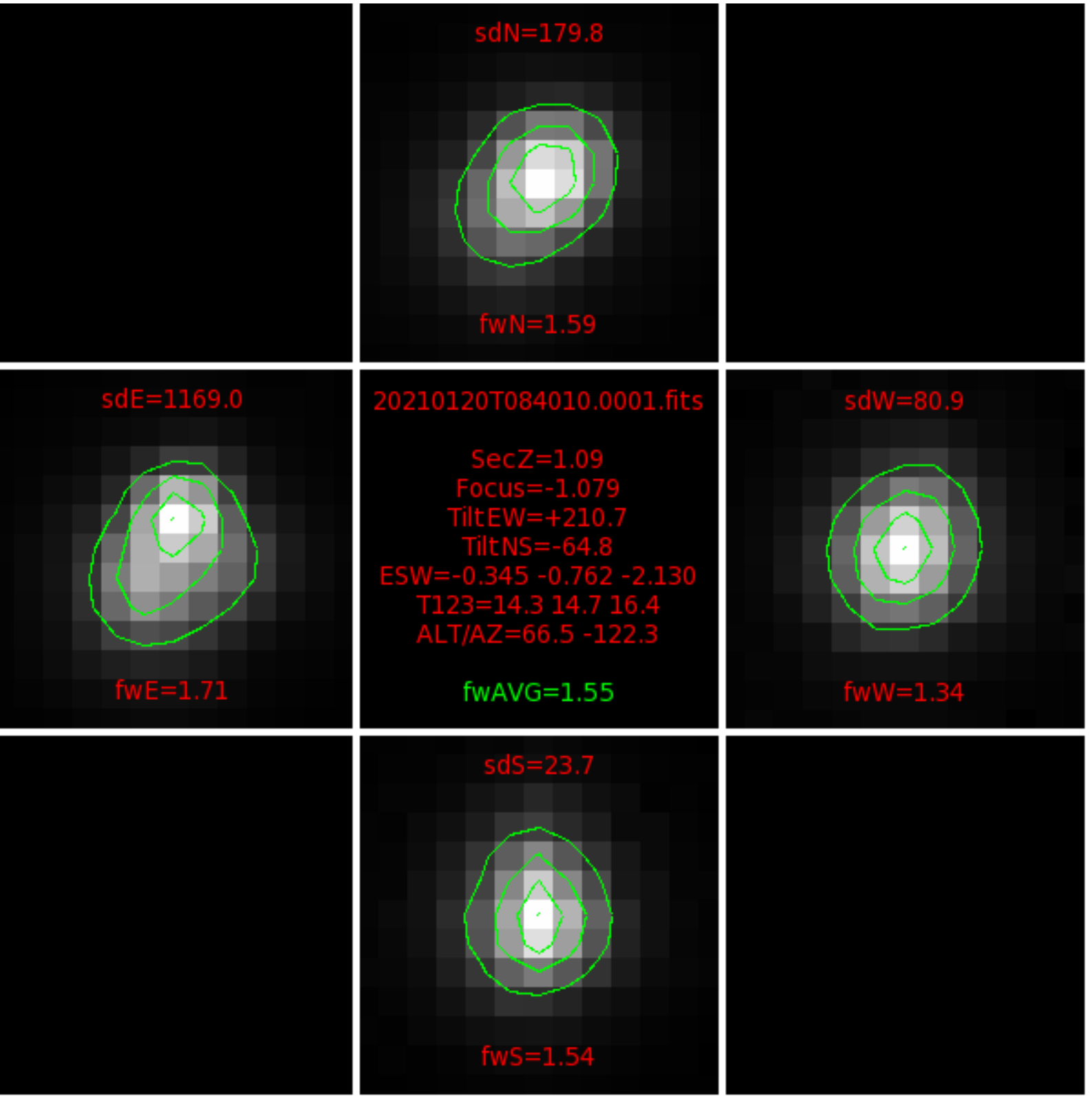
sdN=179.8
fwN=1.59
sdE=1169.0
fwE=1.71
20210120T084010.0001.fits
SecZ=1.09
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.7 16.4
ALT/AZ=66.5 -122.3
fwAVG=1.55
sdW=80.9
fwW=1.34
sdS=23.7
fwS=1.54
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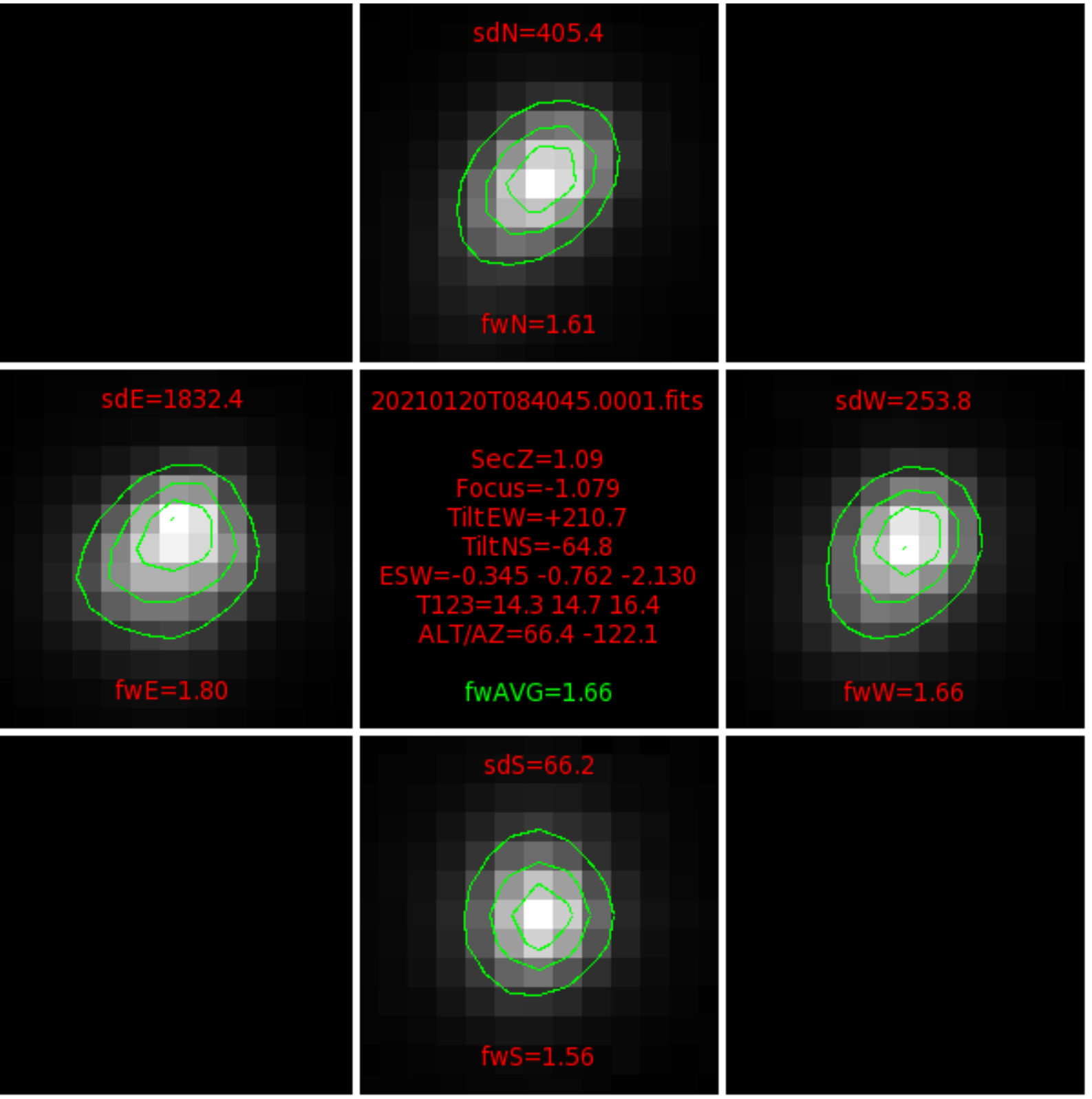
sdN=405.4
fwN=1.61
sdE=1832.4
fwE=1.80
20210120T084045.0001.fits
SecZ=1.09
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.7 16.4
ALT/AZ=66.4 -122.1
fwAVG=1.66
sdW=253.8
fwW=1.66
sdS=66.2
fwS=1.56
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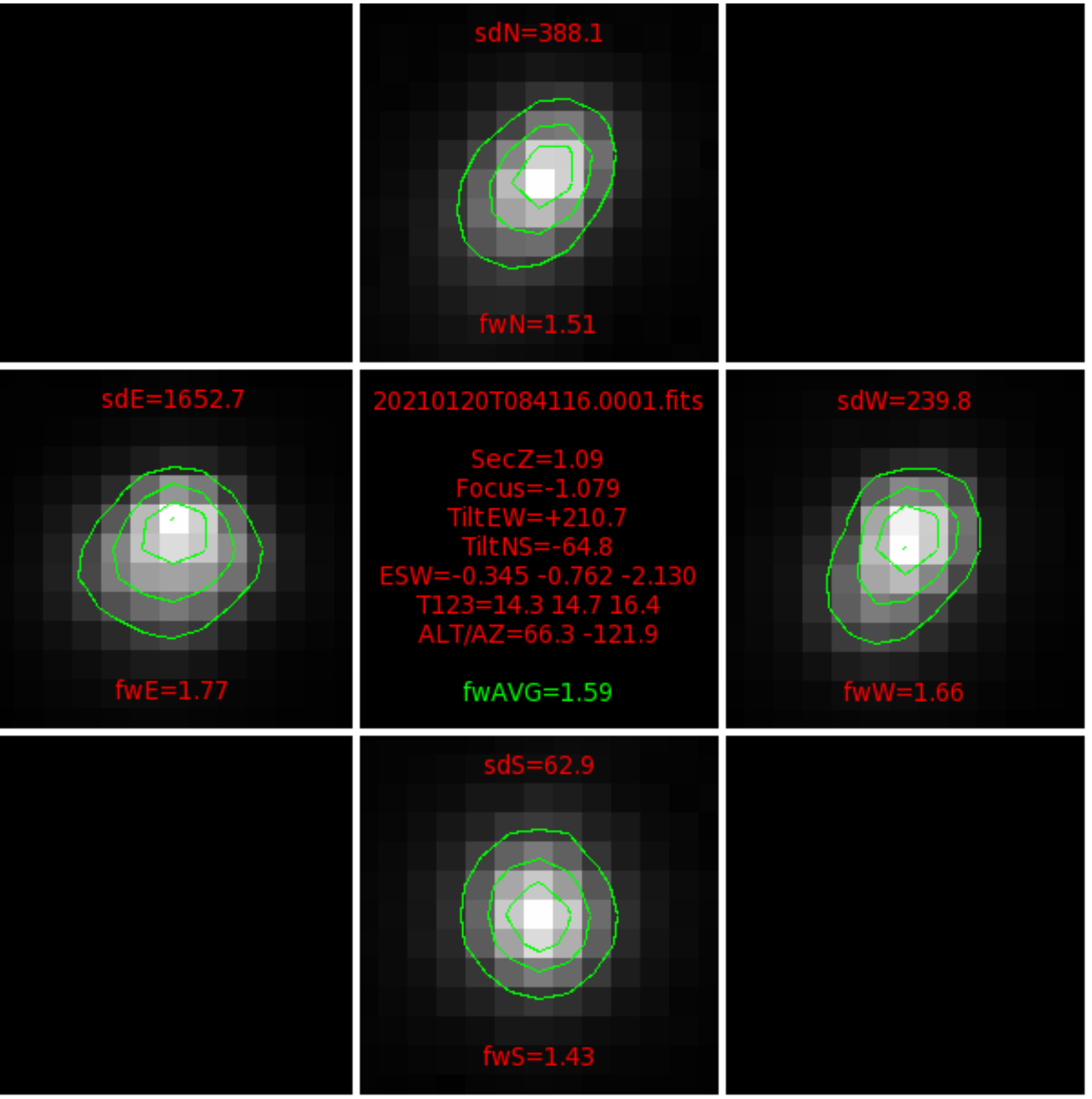
sdN=388.1
fwN=1.51
sdE=1652.7
fwE=1.77
20210120T084116.0001.fits
SecZ=1.09
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.7 16.4
ALT/AZ=66.3 -121.9
fwAVG=1.59
sdW=239.8
fwW=1.66
sdS=62.9
fwS=1.43
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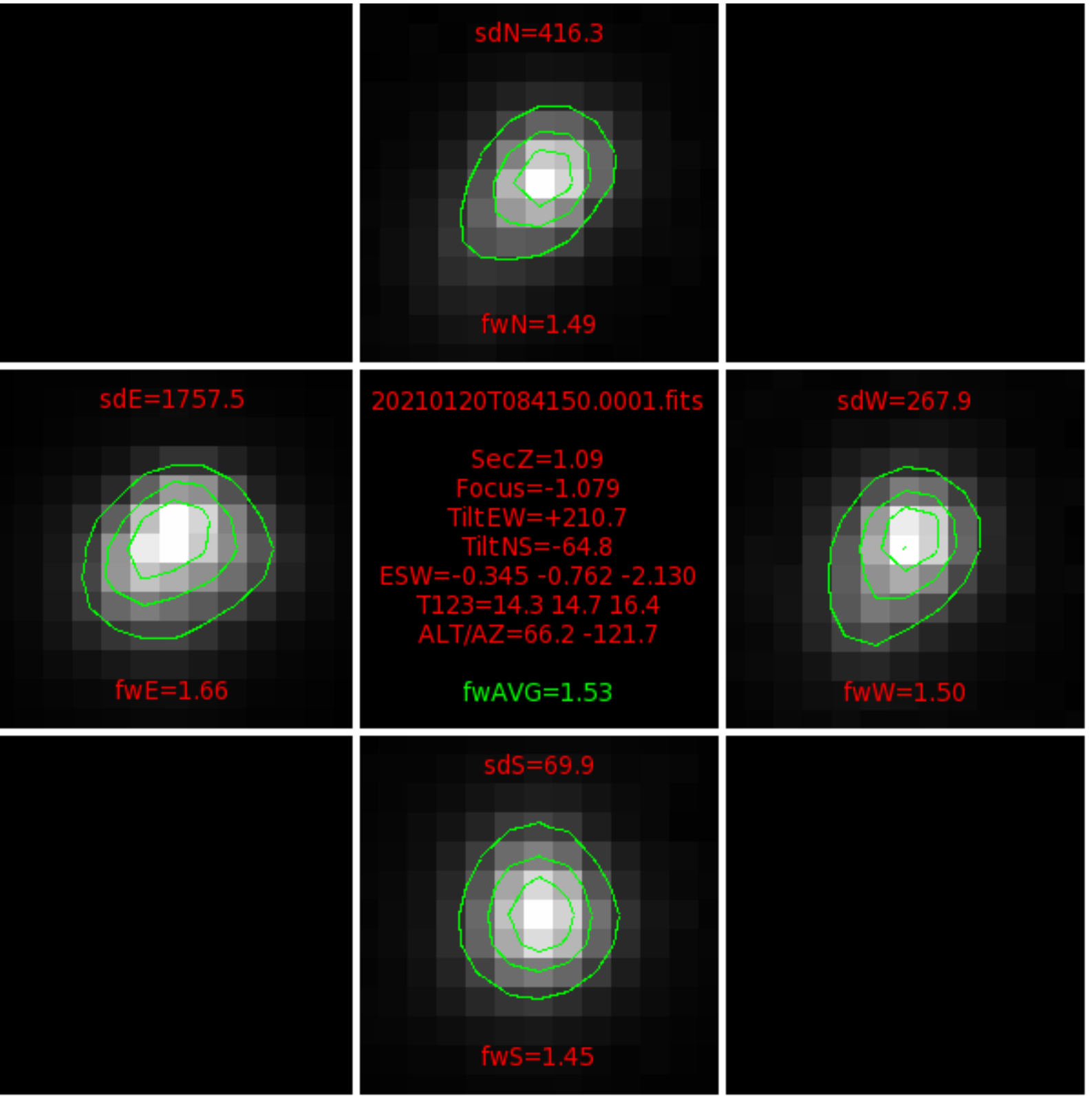
sdN=416.3
fwN=1.49
sdE=1757.5
fwE=1.66
20210120T084150.0001.fits
SecZ=1.09
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.7 16.4
ALT/AZ=66.2 -121.7
fwAVG=1.53
sdW=267.9
fwW=1.50
sdS=69.9
fwS=1.45
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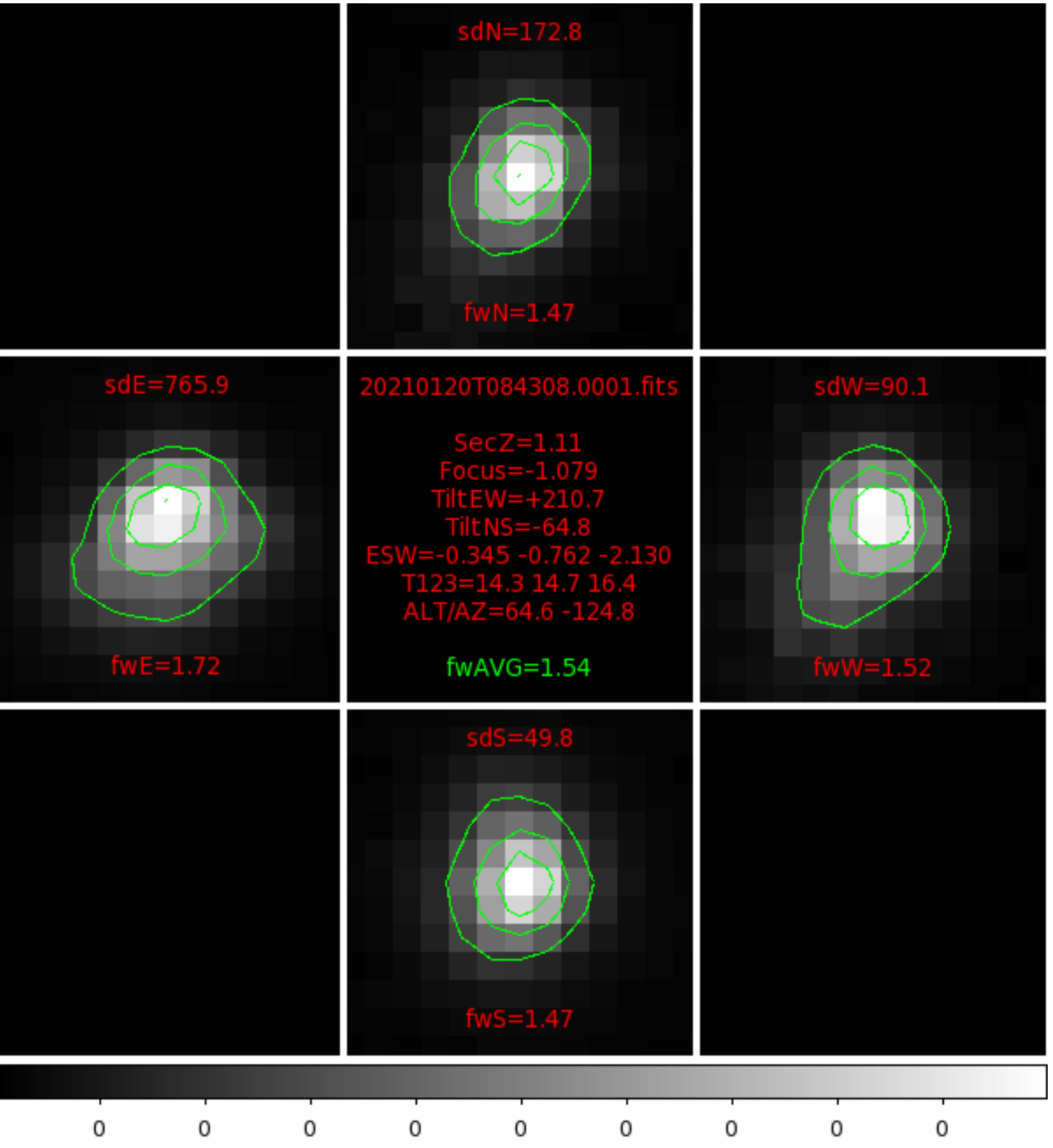
sdN=172.8
fwN=1.47
sdE=765.9
fwE=1.72
20210120T084308.0001.fits
SecZ=1.11
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.7 16.4
ALT/AZ=64.6 -124.8
fwAVG=1.54
sdW=90.1
fwW=1.52
sdS=49.8
fwS=1.47
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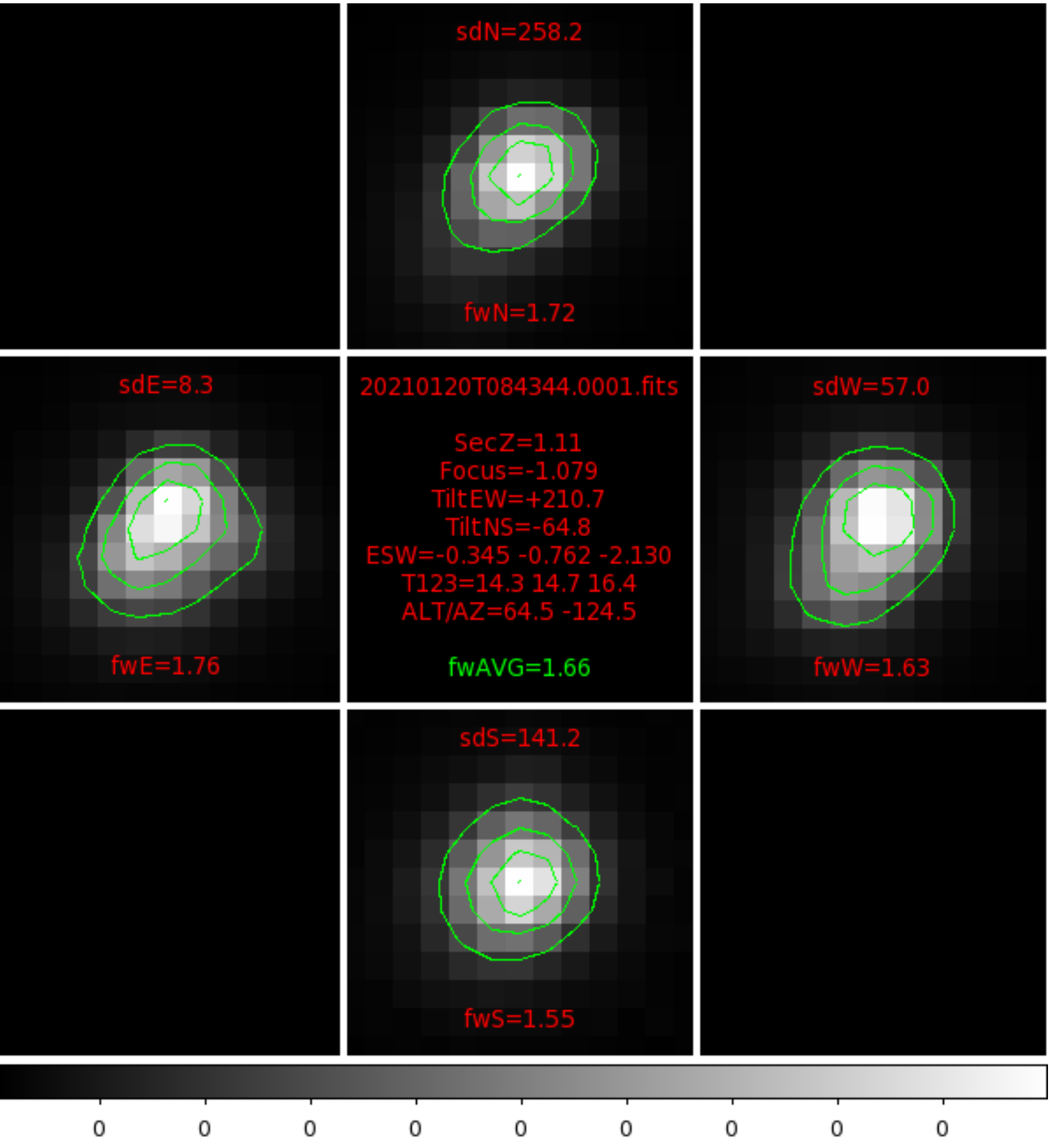
sdN=258.2
fwN=1.72
sdE=8.3
fwE=1.76
20210120T084344.0001.fits
SecZ=1.11
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.7 16.4
ALT/AZ=64.5 -124.5
fwAVG=1.66
sdW=57.0
fwW=1.63
sdS=141.2
fwS=1.55
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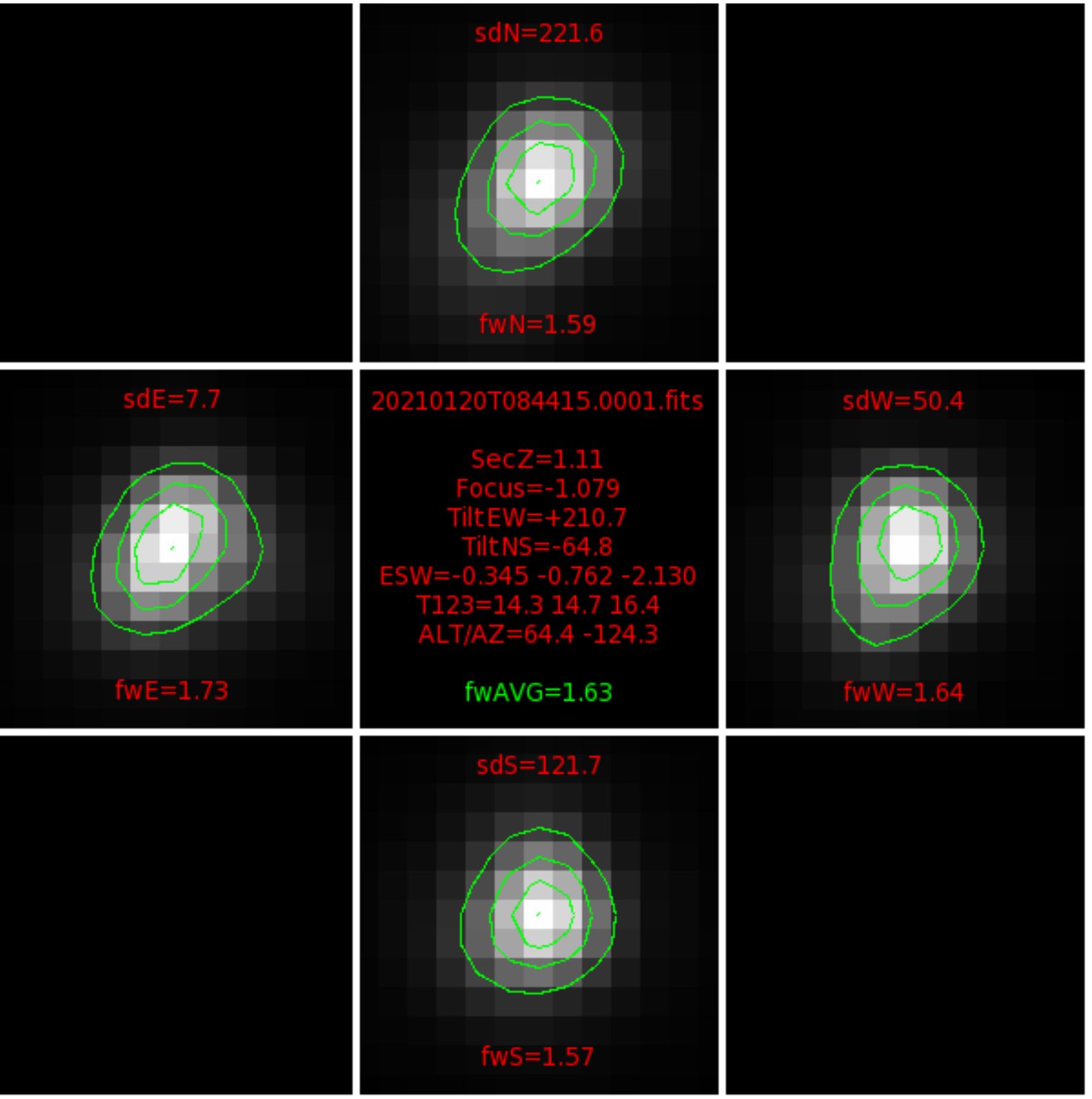
sdN=221.6
fwN=1.59
sdE=7.7
fwE=1.73
20210120T084415.0001.fits
SecZ=1.11
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.7 16.4
ALT/AZ=64.4 -124.3
fwAVG=1.63
sdW=50.4
fwW=1.64
sdS=121.7
fwS=1.57
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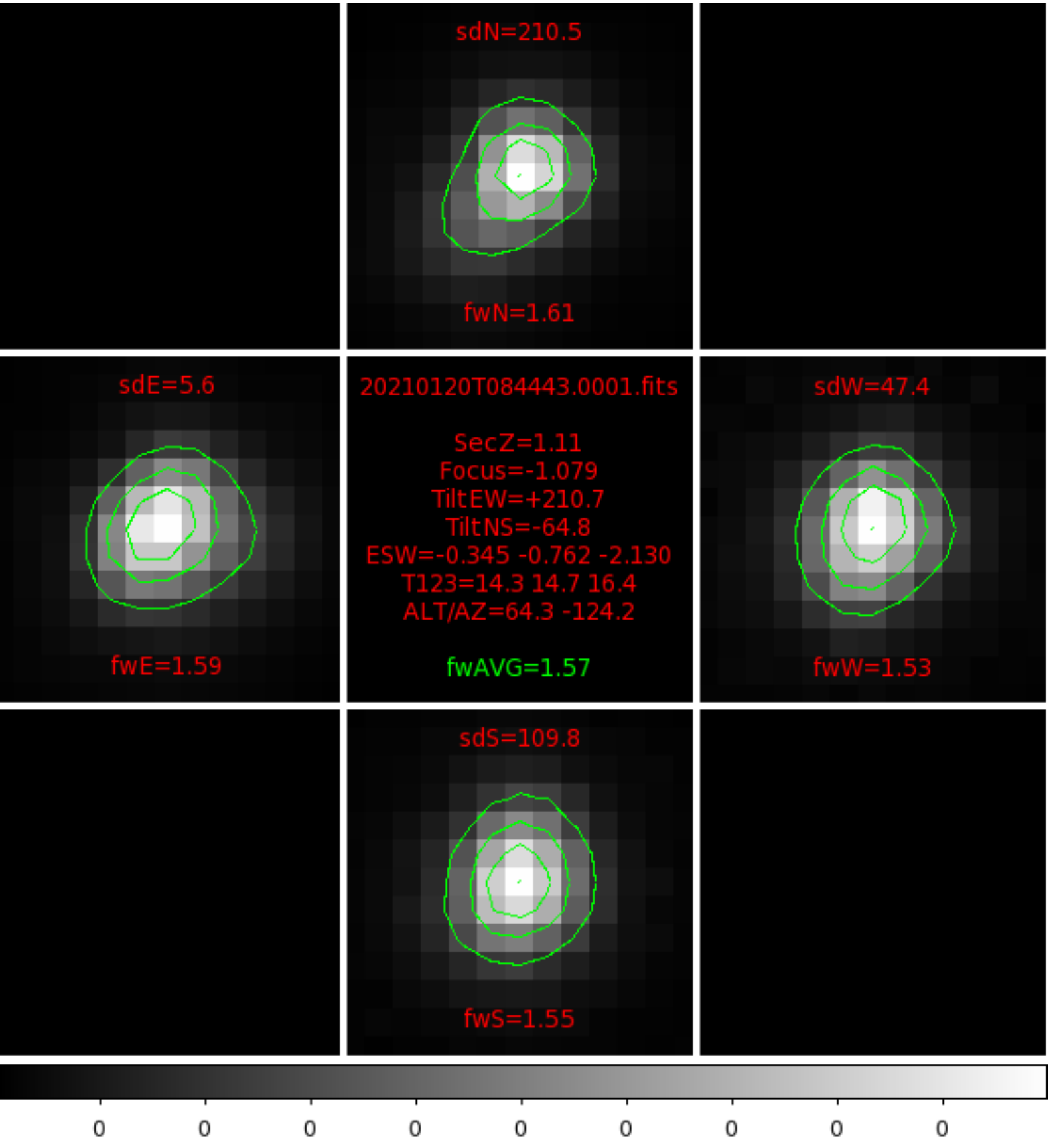
sdN=210.5
fwN=1.61
sdE=5.6
fwE=1.59
20210120T084443.0001.fits
SecZ=1.11
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.7 16.4
ALT/AZ=64.3 -124.2
fwAVG=1.57
sdW=47.4
fwW=1.53
sdS=109.8
fwS=1.55
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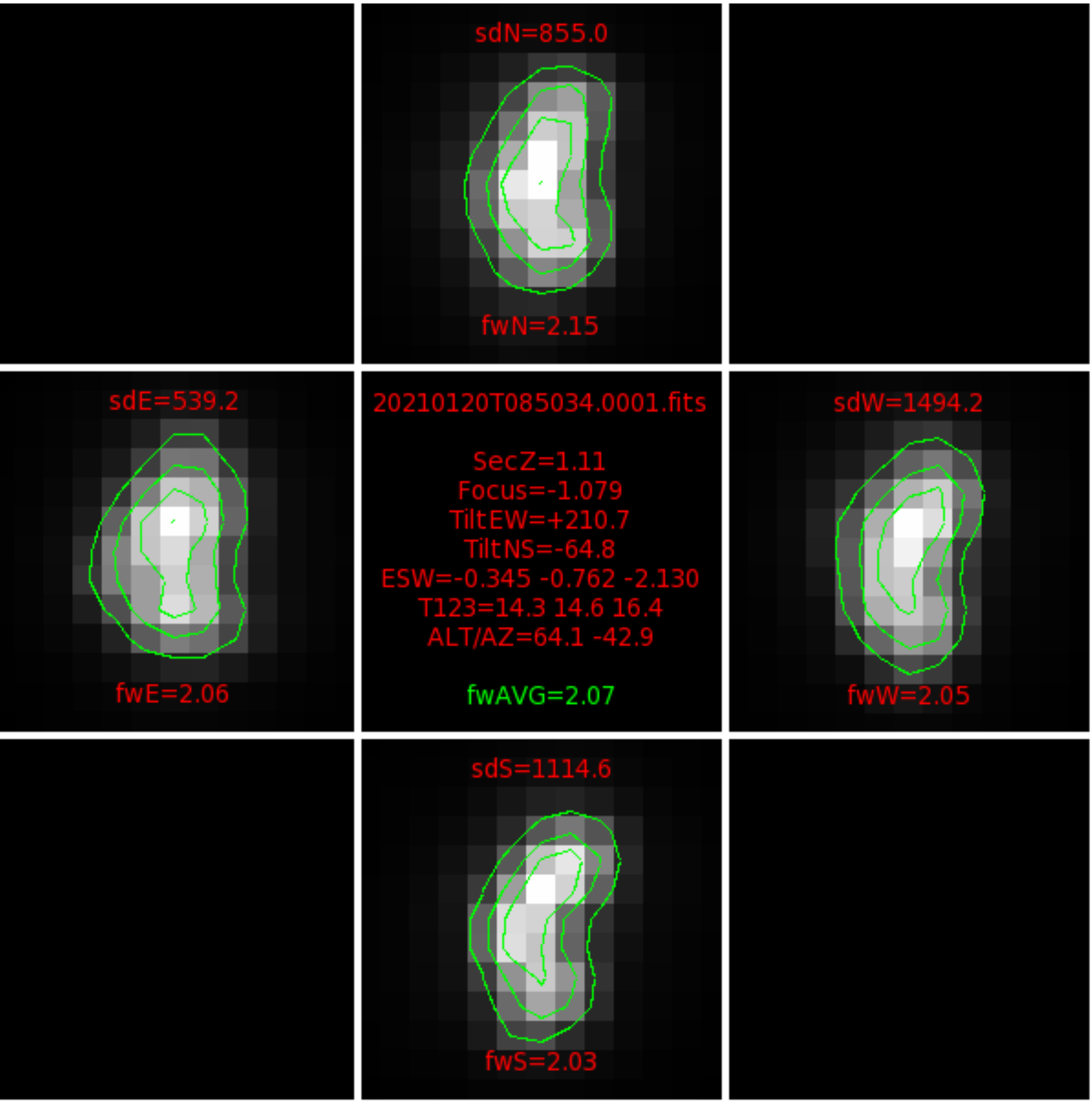
sdN=855.0
fwN=2.15
sdE=539.2
fwE=2.06
20210120T085034.0001.fits
SecZ=1.11
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.6 16.4
ALT/AZ=64.1 -42.9
fwAVG=2.07
sdW=1494.2
fwW=2.05
sdS=1114.6
fwS=2.03
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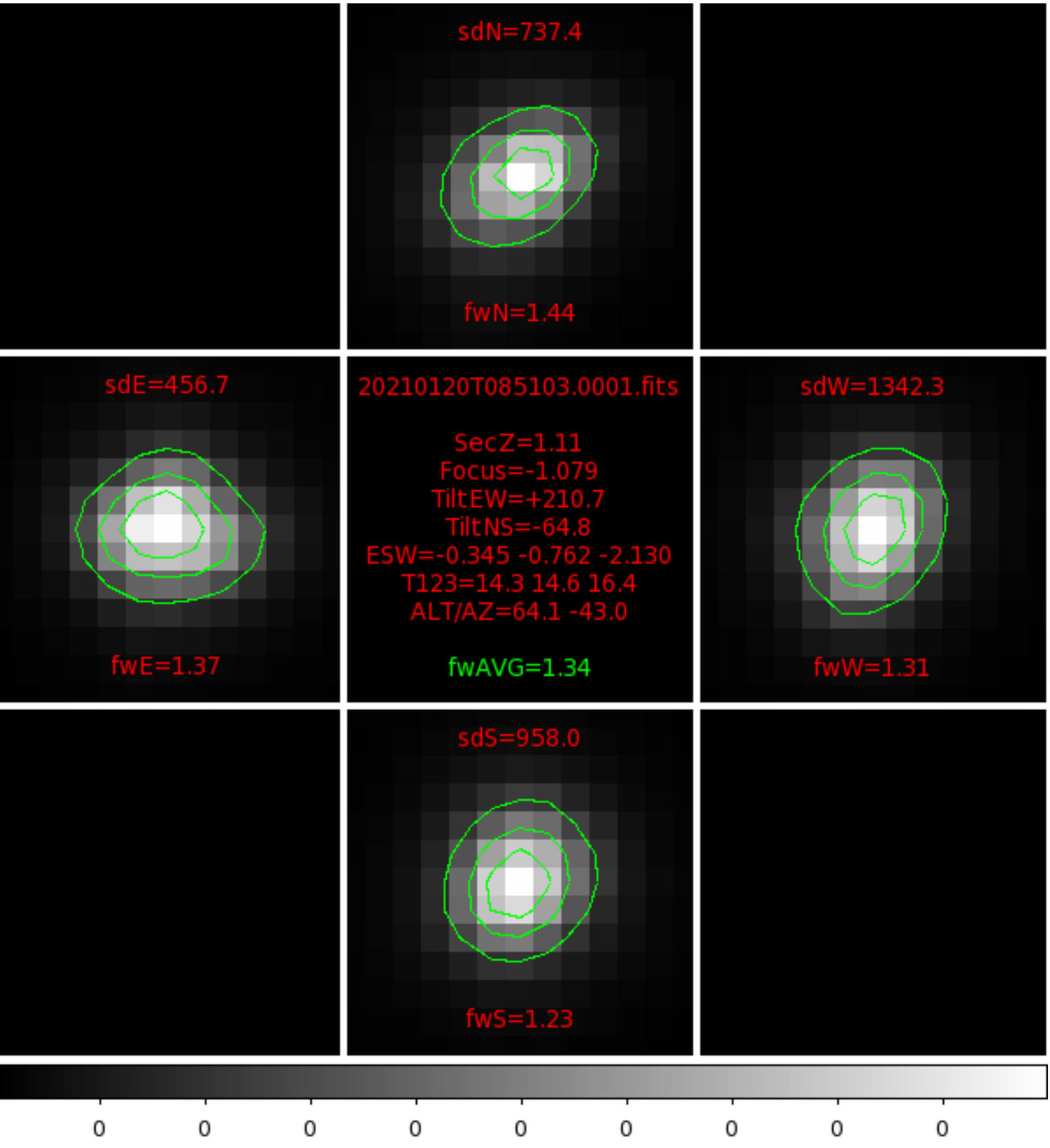
sdN=737.4
fwN=1.44
sdE=456.7
fwE=1.37
20210120T085103.0001.fits
SecZ=1.11
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.6 16.4
ALT/AZ=64.1 -43.0
fwAVG=1.34
sdW=1342.3
fwW=1.31
sdS=958.0
fwS=1.23
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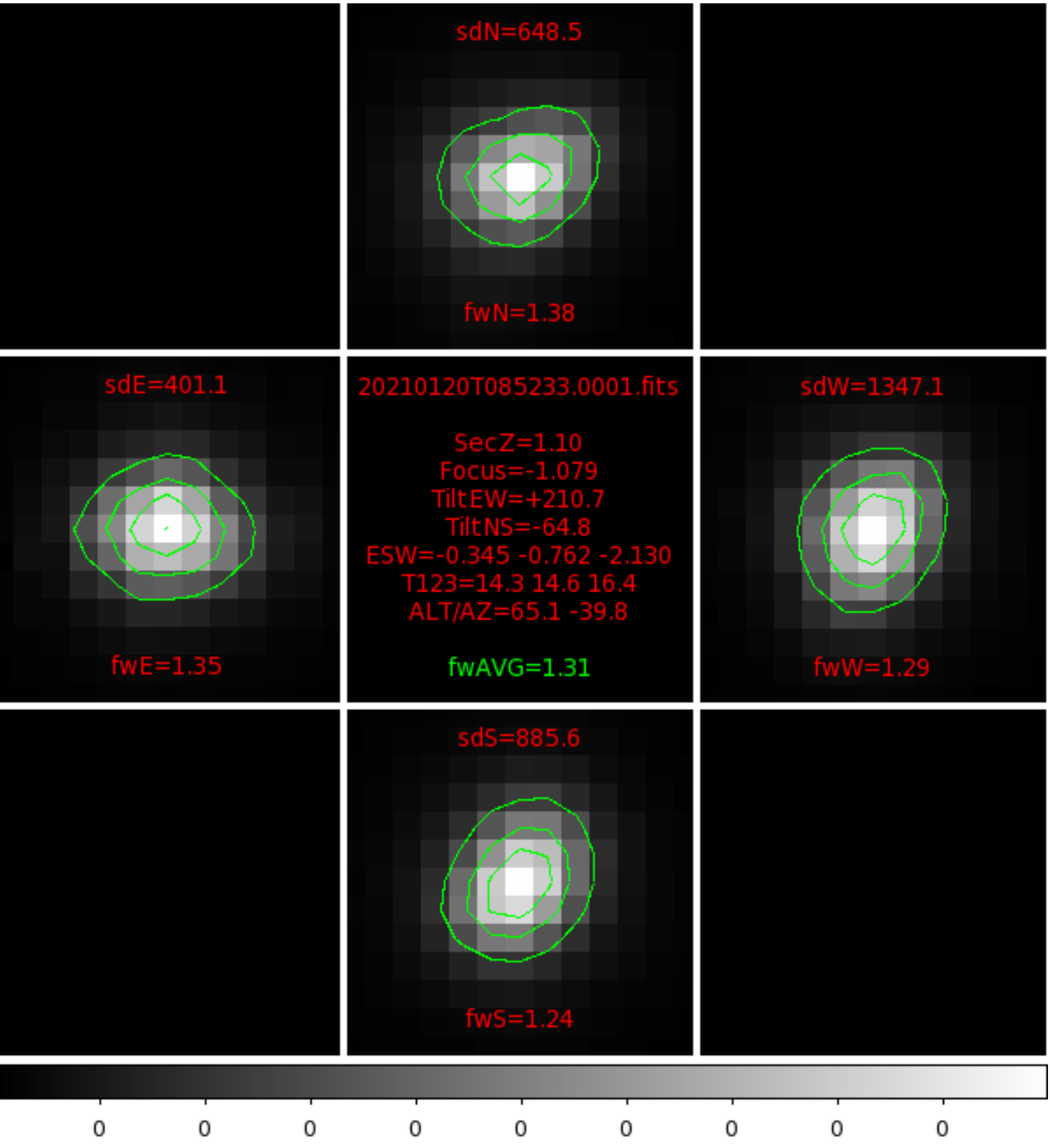
sdN=648.5
fwN=1.38
sdE=401.1
fwE=1.35
20210120T085233.0001.fits
SecZ=1.10
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.6 16.4
ALT/AZ=65.1 -39.8
fwAVG=1.31
sdW=1347.1
fwW=1.29
sdS=885.6
fwS=1.24
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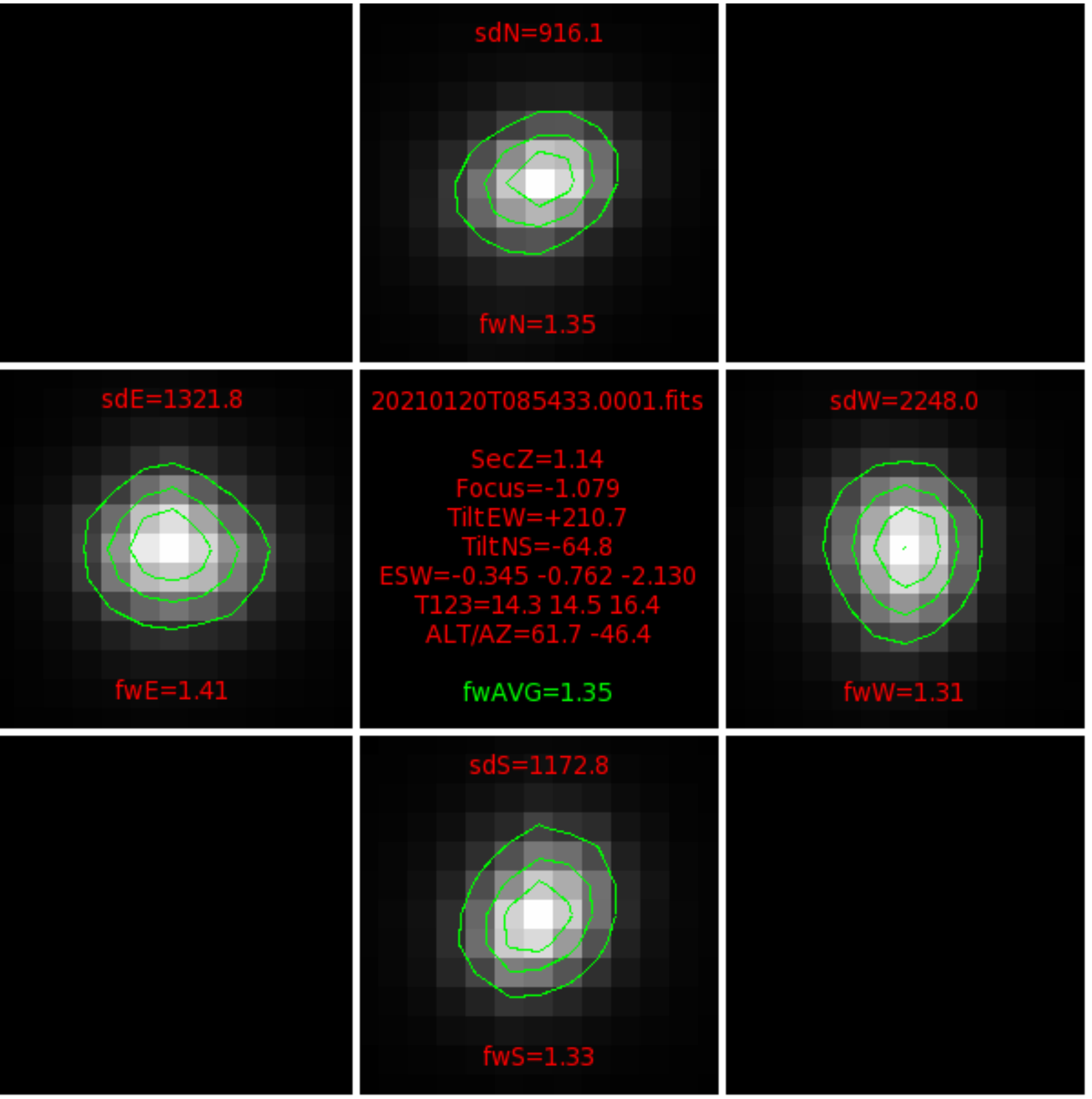
sdN=916.1
fwN=1.35
sdE=1321.8
fwE=1.41
20210120T085433.0001.fits
SecZ=1.14
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.5 16.4
ALT/AZ=61.7 -46.4
fwAVG=1.35
sdW=2248.0
fwW=1.31
sdS=1172.8
fwS=1.33
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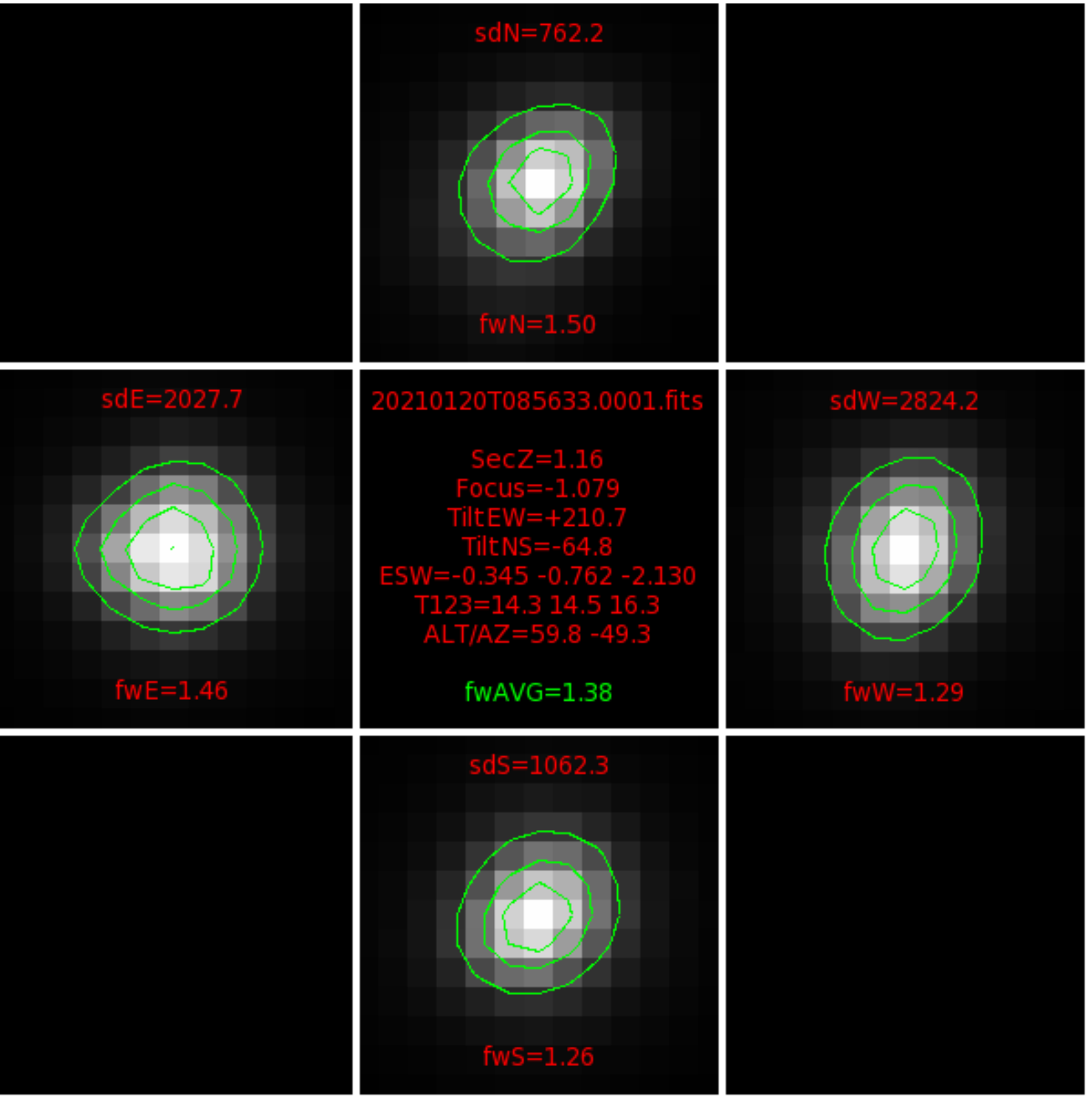
sdN=762.2
fwN=1.50
sdE=2027.7
fwE=1.46
20210120T085633.0001.fits
SecZ=1.16
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.5 16.3
ALT/AZ=59.8 -49.3
fwAVG=1.38
sdW=2824.2
fwW=1.29
sdS=1062.3
fwS=1.26
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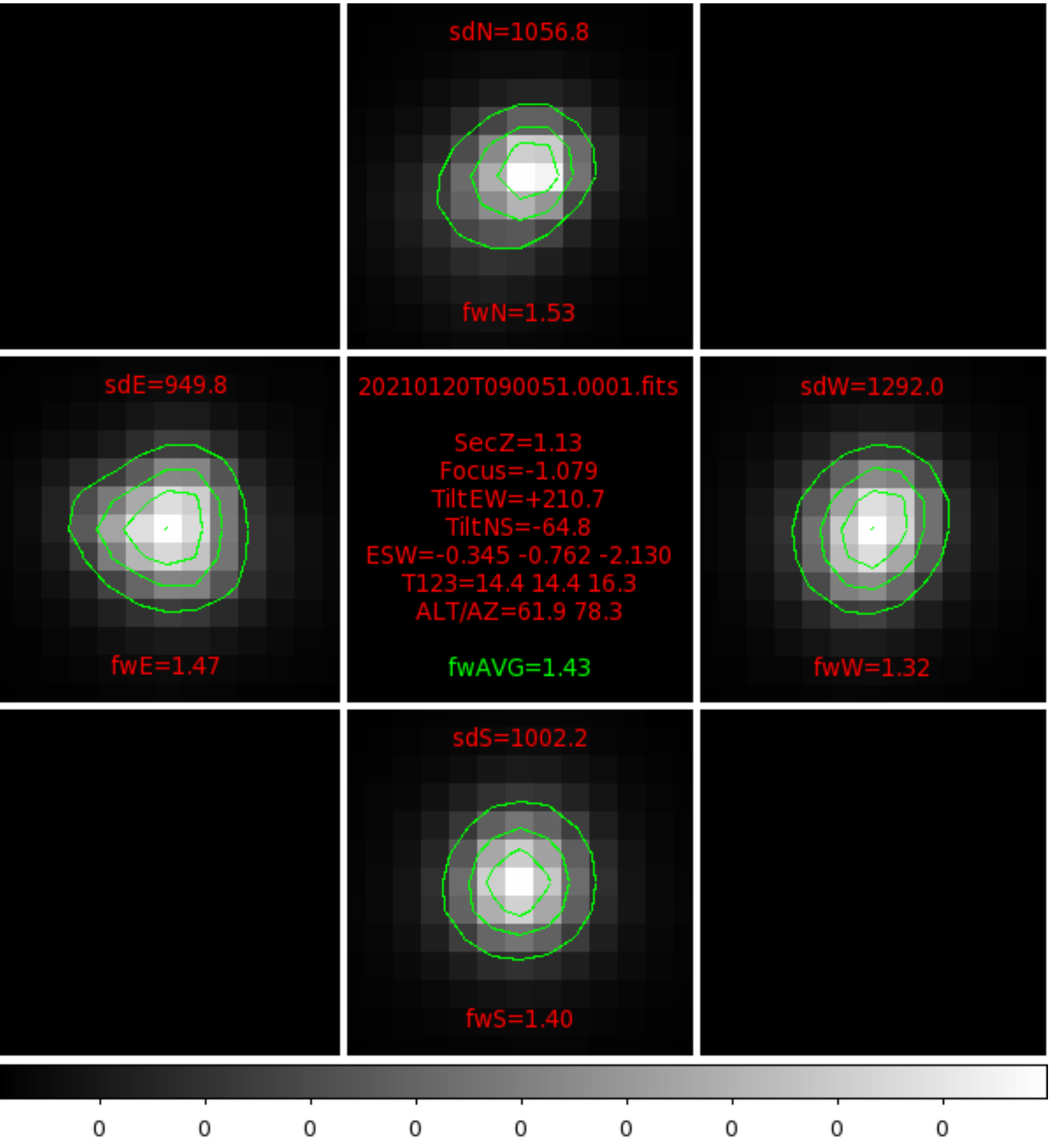
sdN=1056.8
fwN=1.53
sdE=949.8
fwE=1.47
20210120T090051.0001.fits
SecZ=1.13
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.4 14.4 16.3
ALT/AZ=61.9 78.3
fwAVG=1.43
sdW=1292.0
fwW=1.32
sdS=1002.2
fwS=1.40
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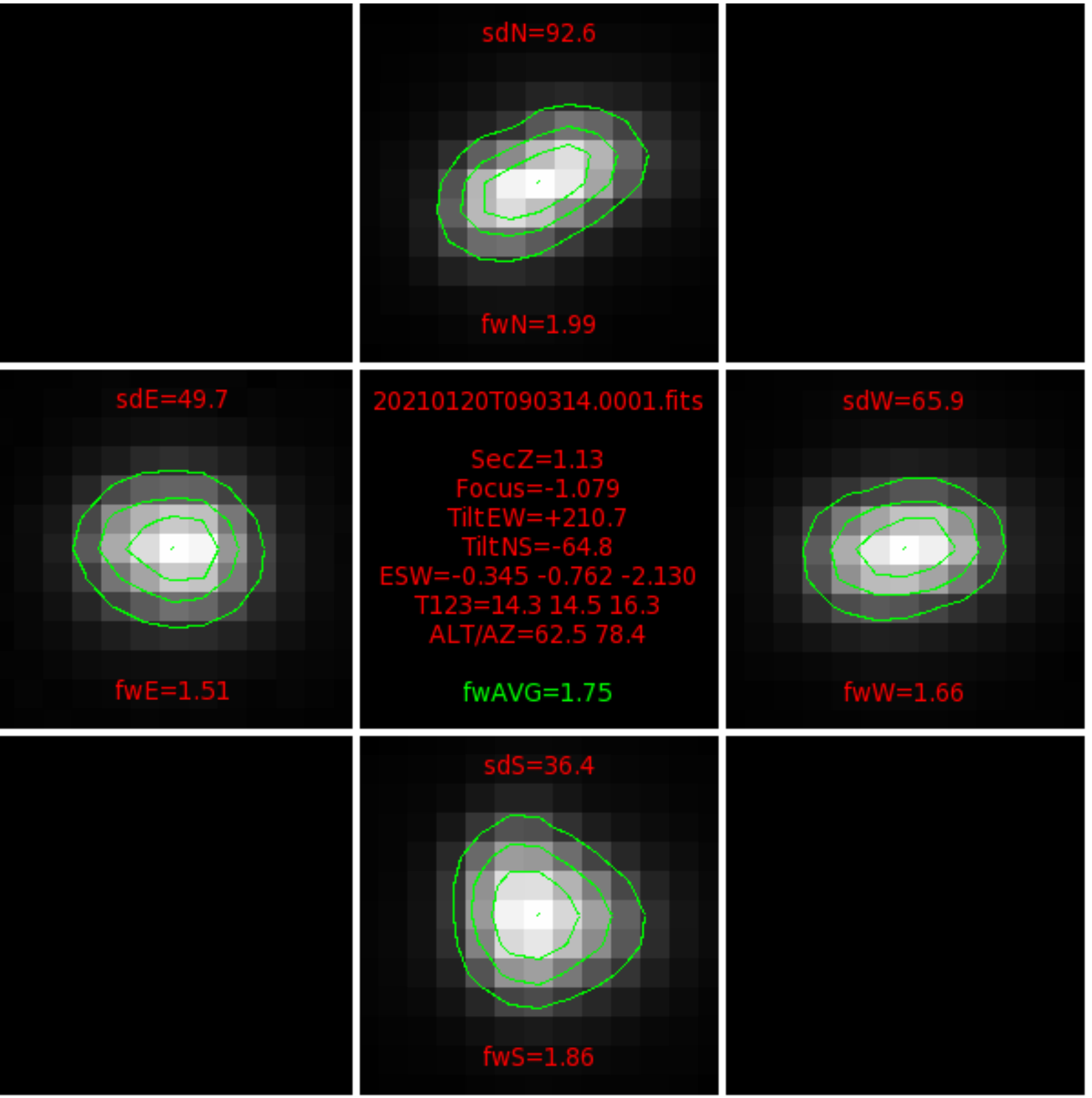
sdN=92.6
fwN=1.99
sdE=49.7
fwE=1.51
20210120T090314.0001.fits
SecZ=1.13
Focus=-1.079
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.345 -0.762 -2.130
T123=14.3 14.5 16.3
ALT/AZ=62.5 78.4
fwAVG=1.75
sdW=65.9
fwW=1.66
sdS=36.4
fwS=1.86
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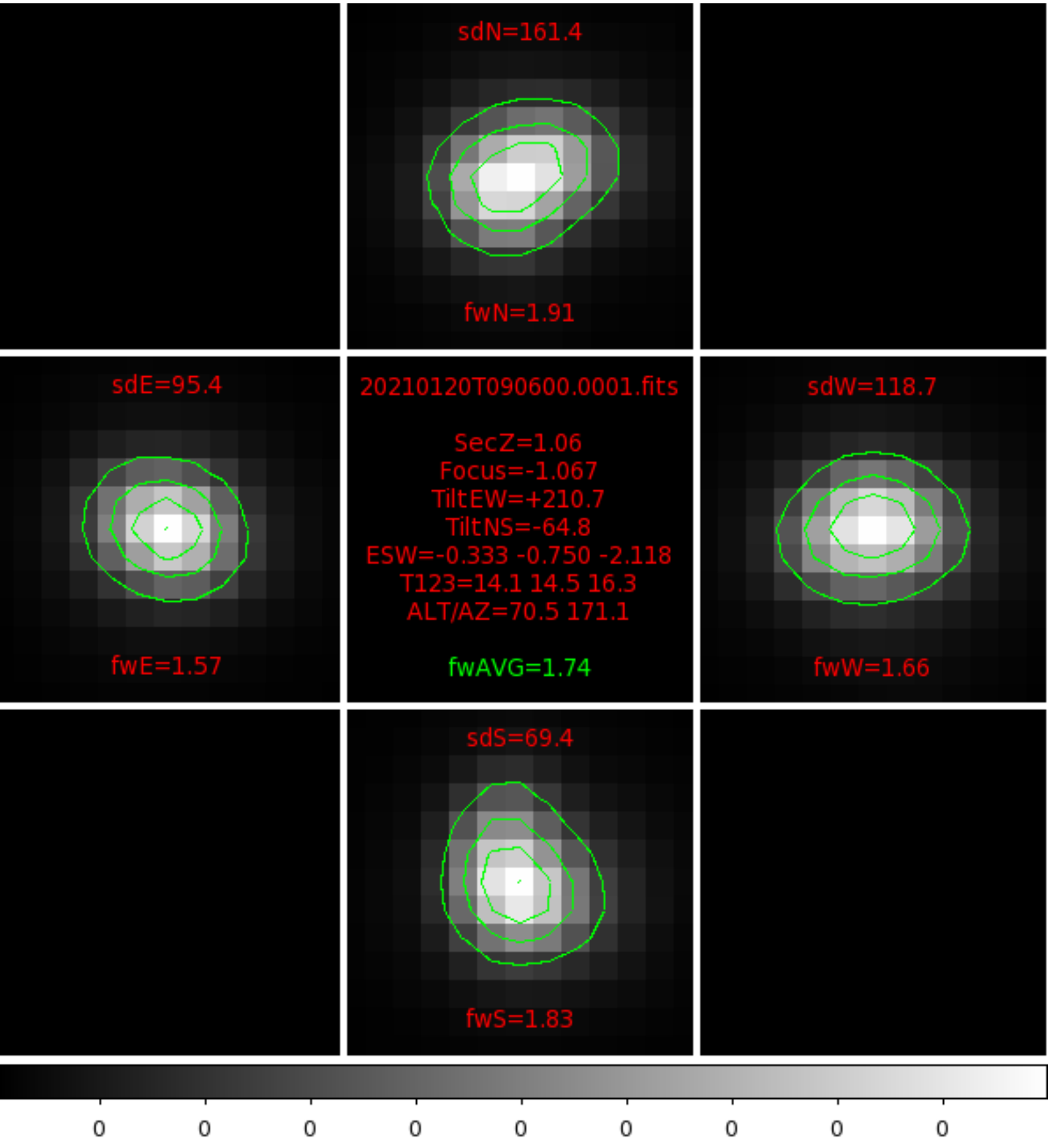
sdN=161.4
fwN=1.91
sdE=95.4
fwE=1.57
20210120T090600.0001.fits
SecZ=1.06
Focus=-1.067
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.333 -0.750 -2.118
T123=14.1 14.5 16.3
ALT/AZ=70.5 171.1
fwAVG=1.74
sdW=118.7
fwW=1.66
sdS=69.4
fwS=1.83
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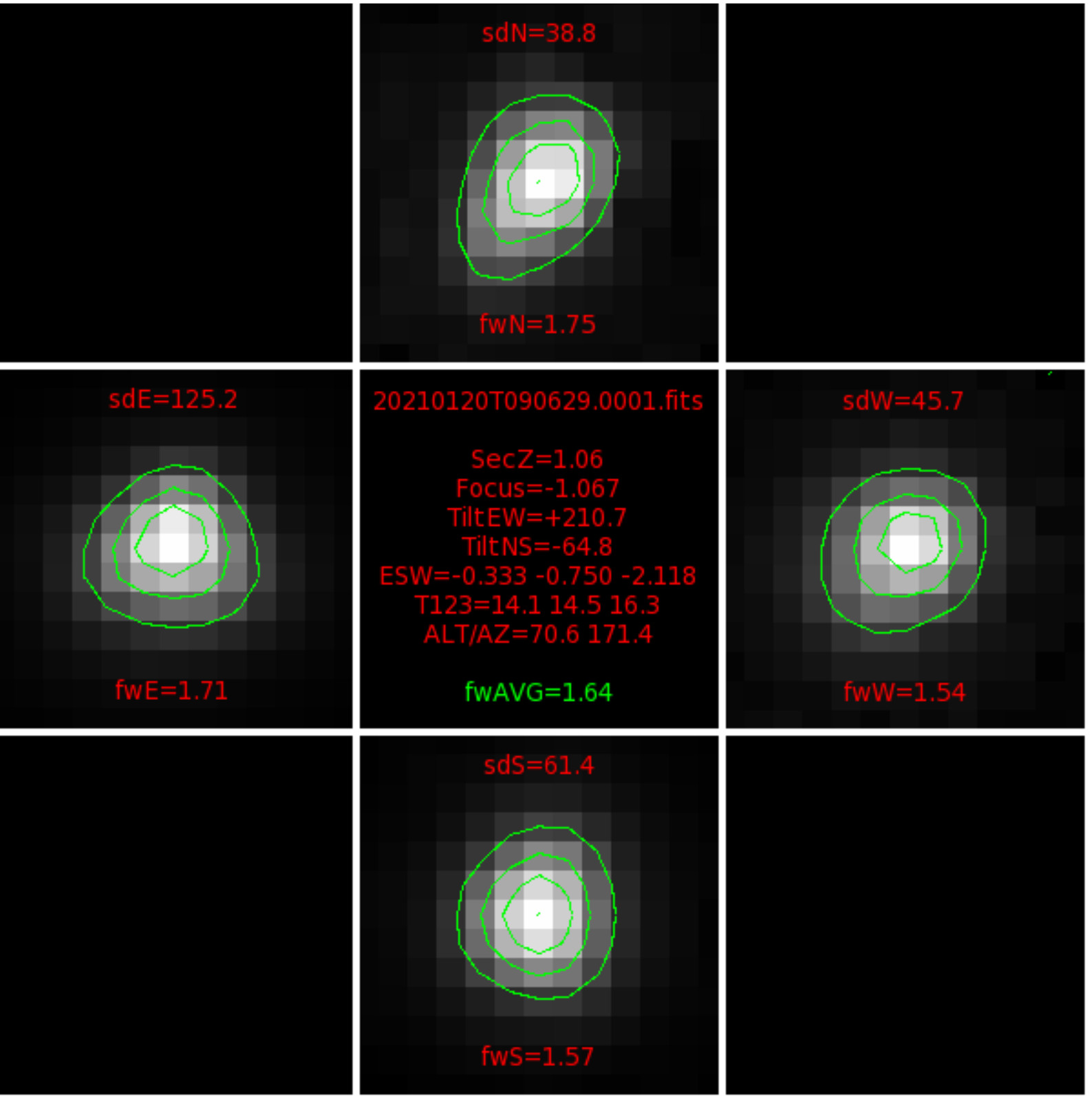
sdN=38.8
fwN=1.75
sdE=125.2
fwE=1.71
20210120T090629.0001.fits
SecZ=1.06
Focus=-1.067
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.333 -0.750 -2.118
T123=14.1 14.5 16.3
ALT/AZ=70.6 171.4
fwAVG=1.64
sdW=45.7
fwW=1.54
sdS=61.4
fwS=1.57
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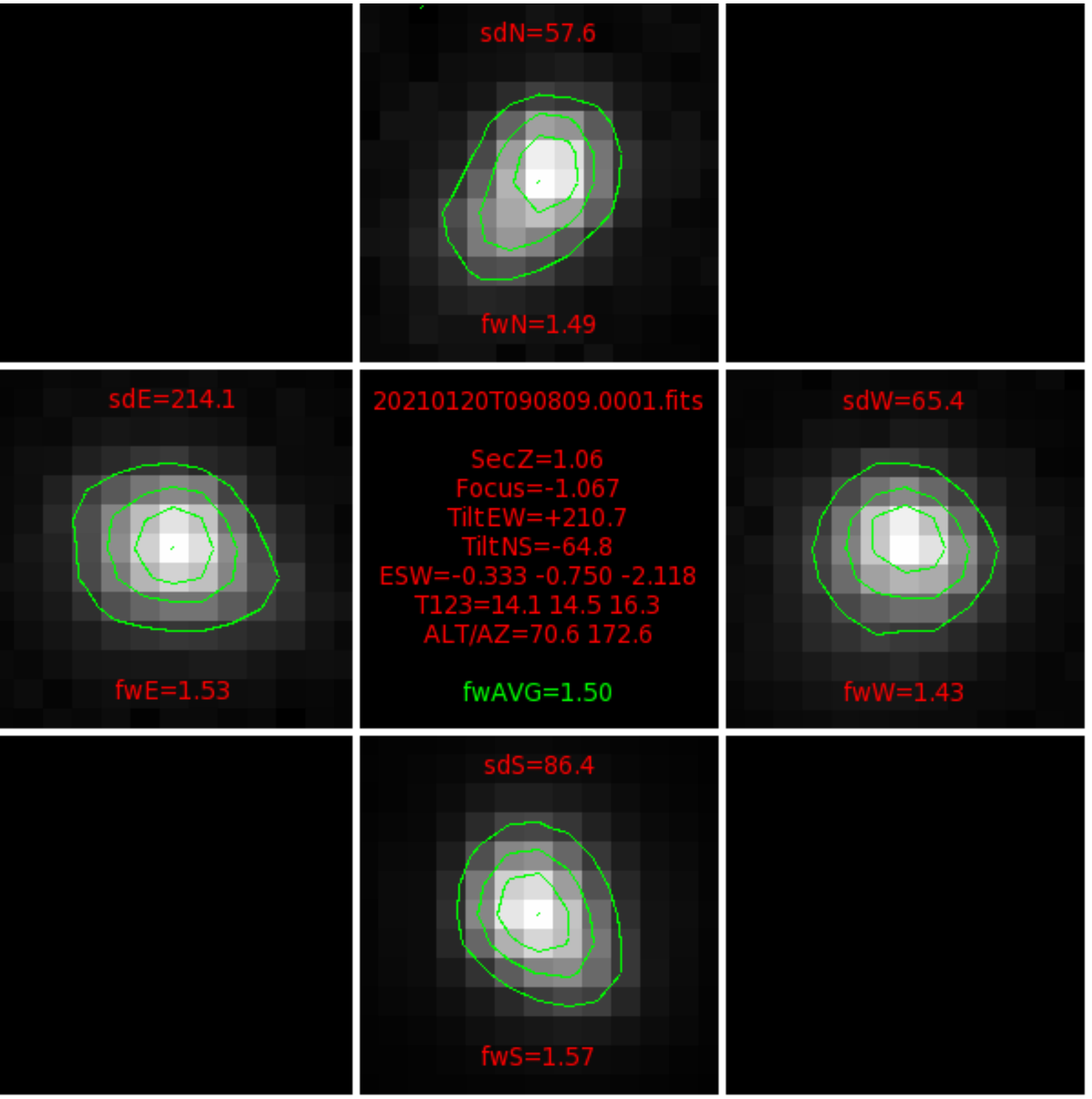
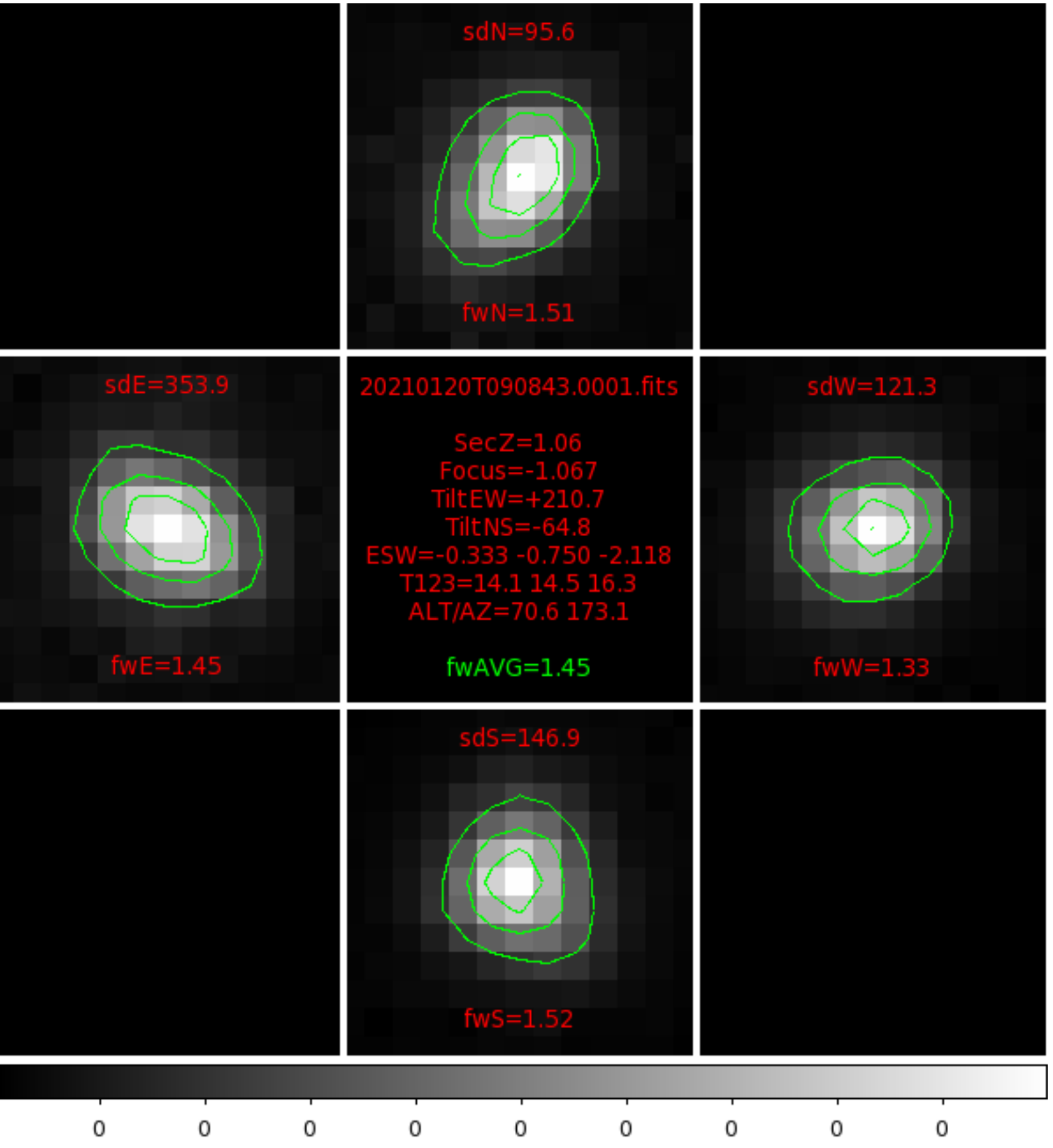
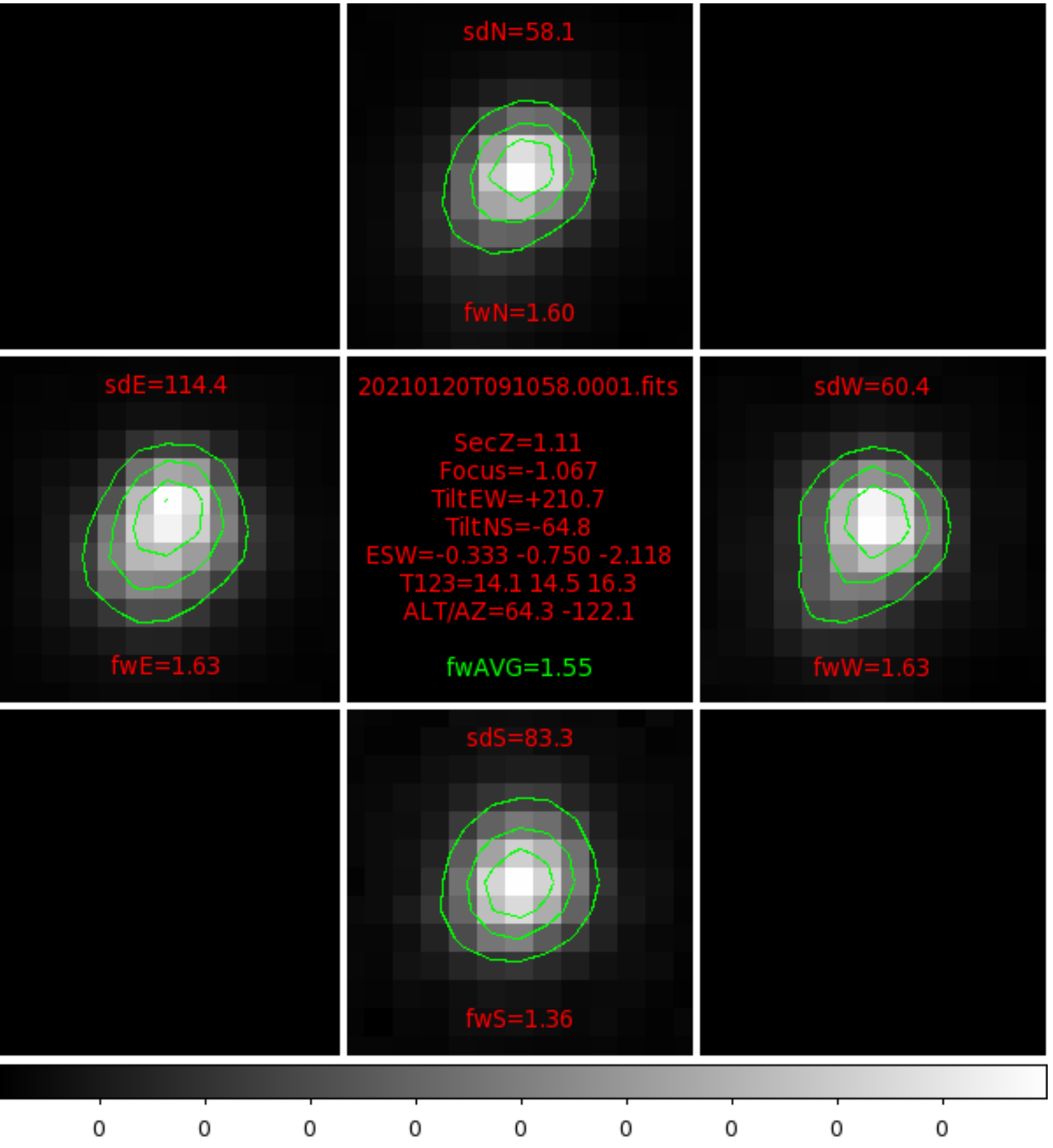

sdN=57.6
fwN=1.49
sdE=214.1
fwE=1.53
20210120T090809.0001.fits
SecZ=1.06
Focus=-1.067
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.333 -0.750 -2.118
T123=14.1 14.5 16.3
ALT/AZ=70.6 172.6
fwAVG=1.50
sdW=65.4
fwW=1.43
sdS=86.4
fwS=1.57
0 0 0 0 0 0 0 0 0


sdN=95.6
fwN=1.51
sdE=353.9
fwE=1.45
20210120T090843.0001.fits
SecZ=1.06
Focus=-1.067
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.333 -0.750 -2.118
T123=14.1 14.5 16.3
ALT/AZ=70.6 173.1
fwAVG=1.45
sdW=121.3
fwW=1.33
sdS=146.9
fwS=1.52
0 0 0 0 0 0 0 0 0


sdN=58.1
fwN=1.60
sdE=114.4
fwE=1.63
20210120T091058.0001.fits
SecZ=1.11
Focus=-1.067
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.333 -0.750 -2.118
T123=14.1 14.5 16.3
ALT/AZ=64.3 -122.1
fwAVG=1.55
sdW=60.4
fwW=1.63
sdS=83.3
fwS=1.36
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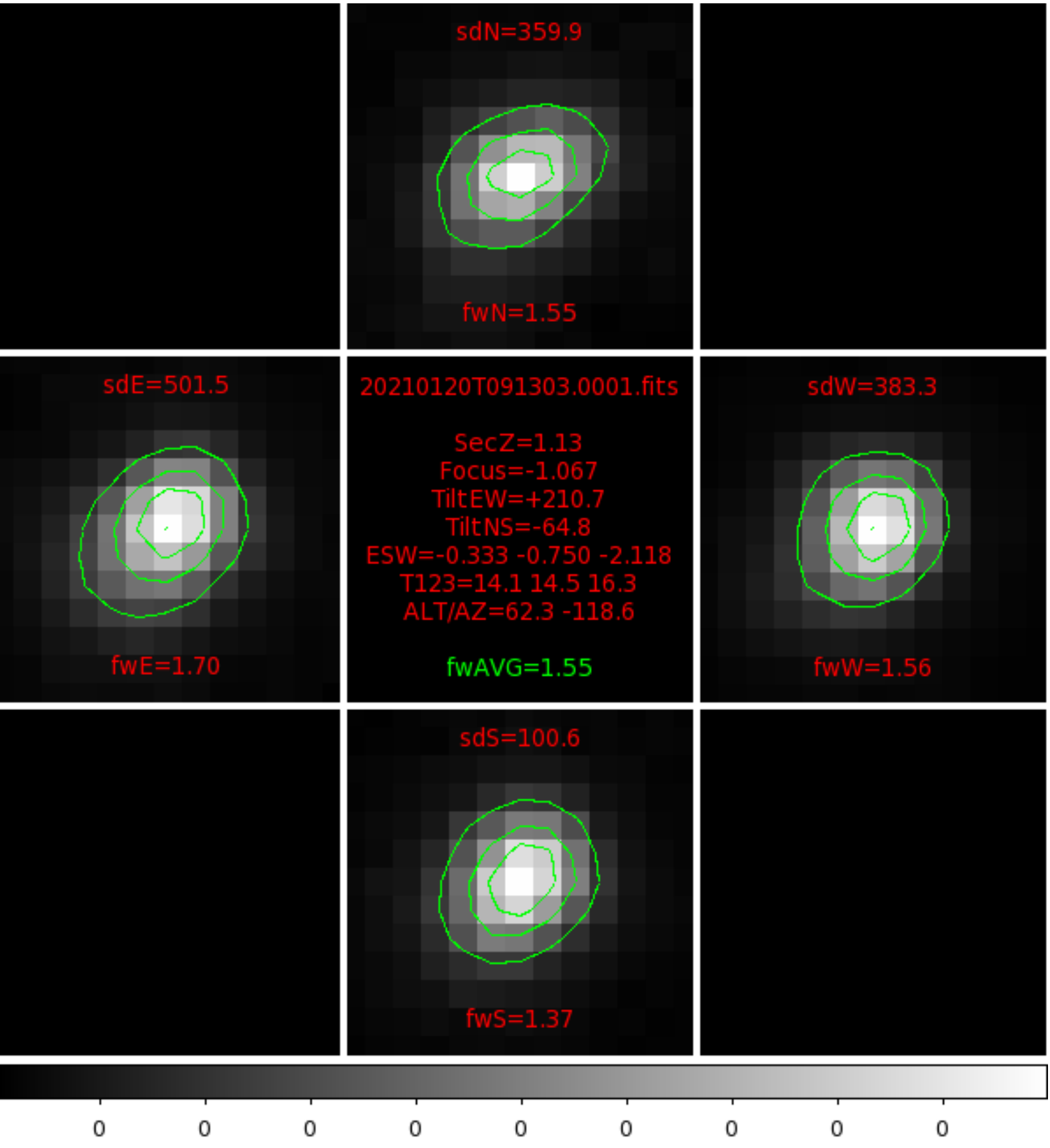
sdN=359.9
fwN=1.55
sdE=501.5
fwE=1.70
20210120T091303.0001.fits
SecZ=1.13
Focus=-1.067
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.333 -0.750 -2.118
T123=14.1 14.5 16.3
ALT/AZ=62.3 -118.6
fwAVG=1.55
sdW=383.3
fwW=1.56
sdS=100.6
fwS=1.37
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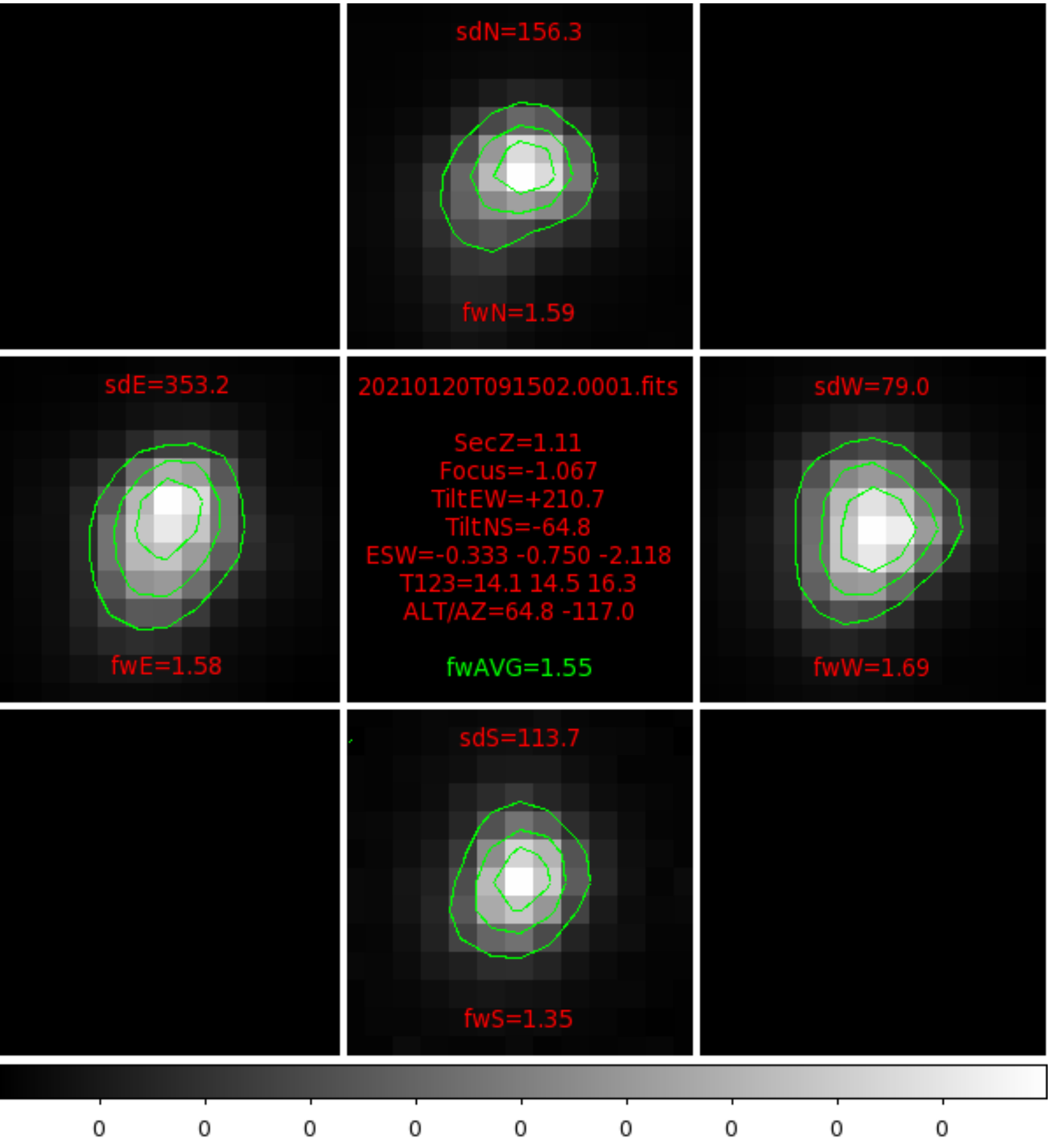
sdN=156.3
fwN=1.59
sdE=353.2
fwE=1.58
20210120T091502.0001.fits
SecZ=1.11
Focus=-1.067
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.333 -0.750 -2.118
T123=14.1 14.5 16.3
ALT/AZ=64.8 -117.0
fwAVG=1.55
sdW=79.0
fwW=1.69
sdS=113.7
fwS=1.35
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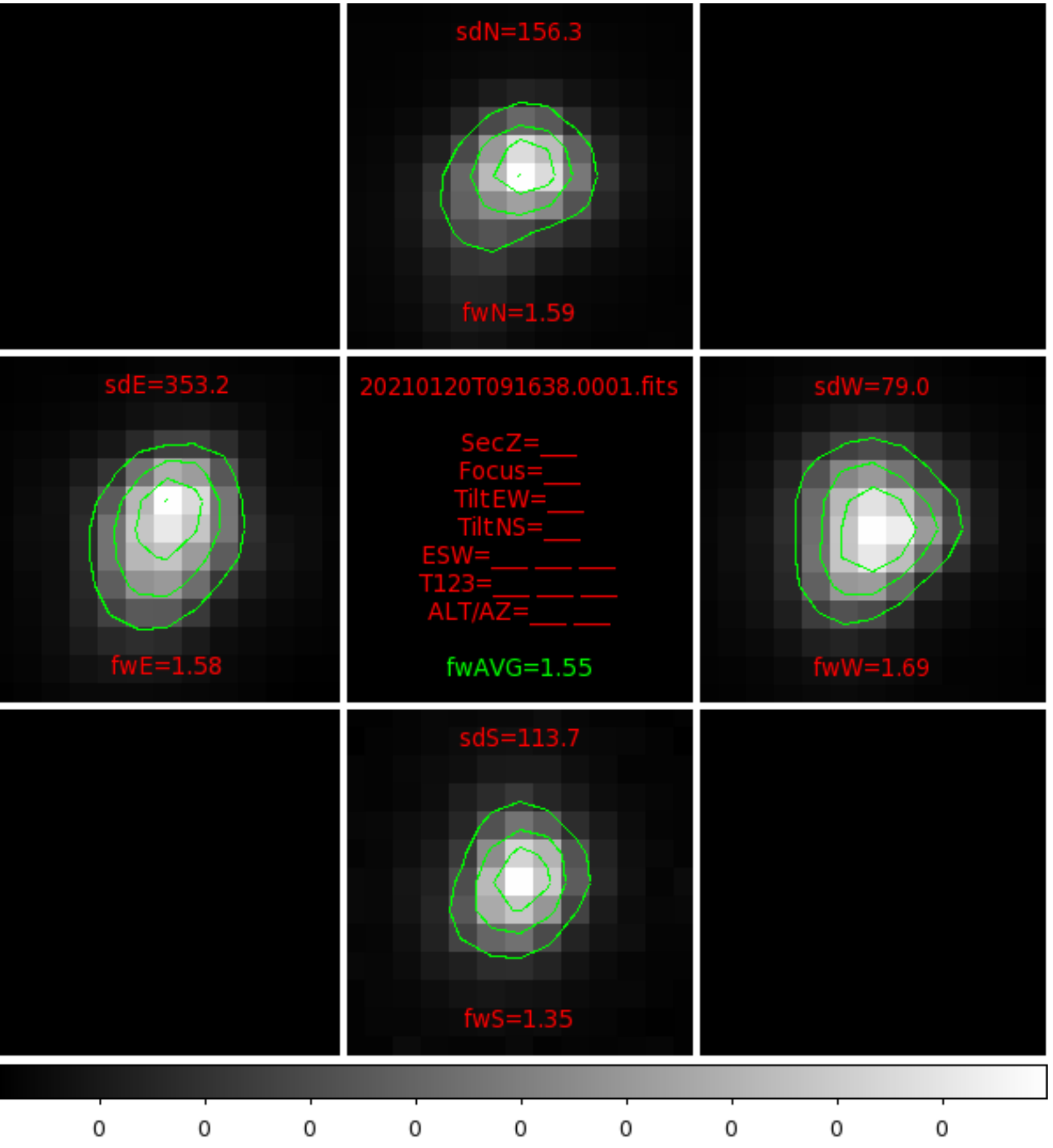
sdN=156.3
fwN=1.59
sdE=353.2
fwE=1.58
20210120T091638.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.55
sdW=79.0
fwW=1.69
sdS=113.7
fwS=1.35
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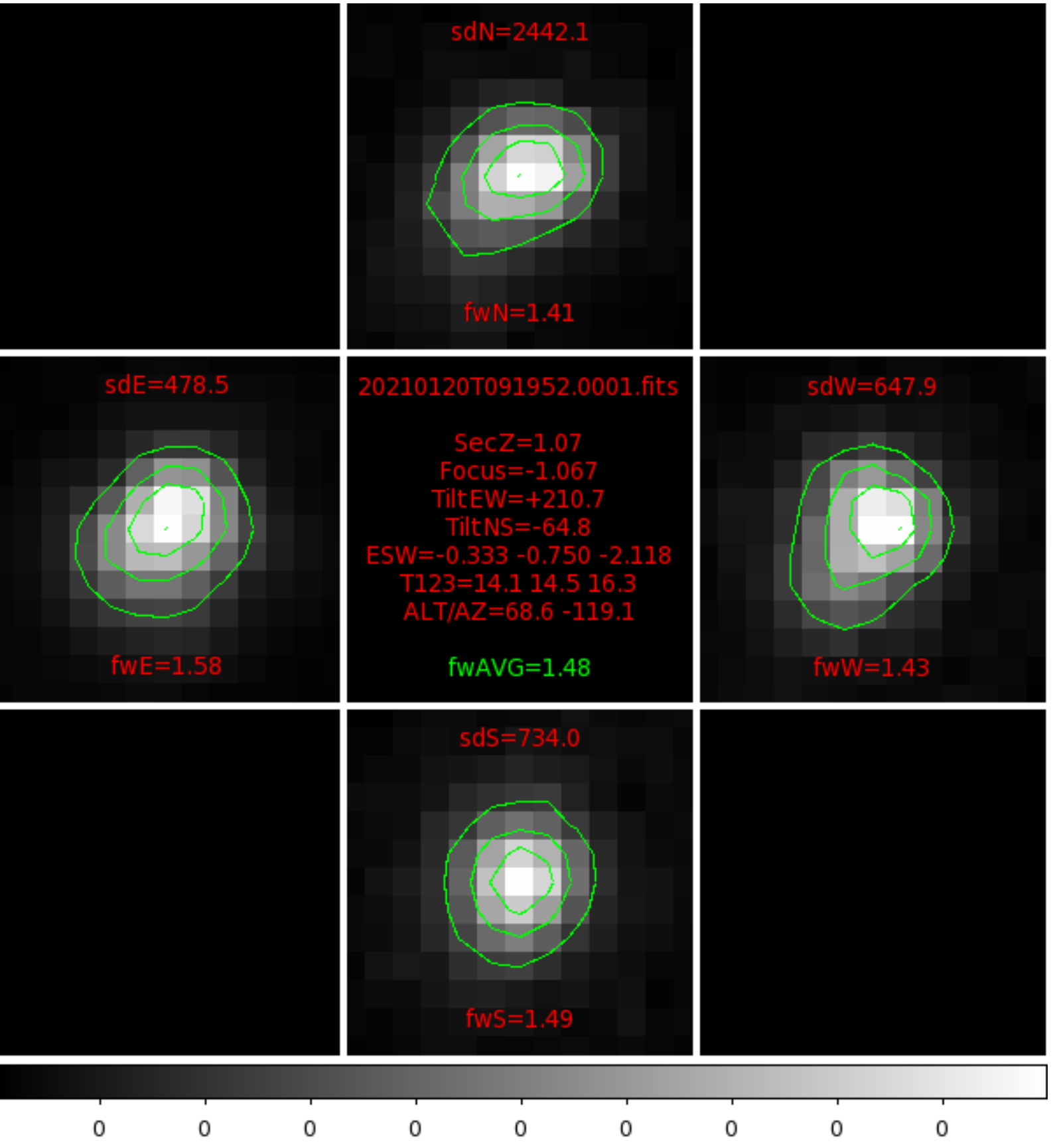
sdN=2442.1
fwN=1.41
sdE=478.5
fwE=1.58
20210120T091952.0001.fits
SecZ=1.07
Focus=-1.067
TiltEW=+210.7
TiltNS=-64.8
ESW=-0.333 -0.750 -2.118
T123=14.1 14.5 16.3
ALT/AZ=68.6 -119.1
fwAVG=1.48
sdW=647.9
fwW=1.43
sdS=734.0
fwS=1.49
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