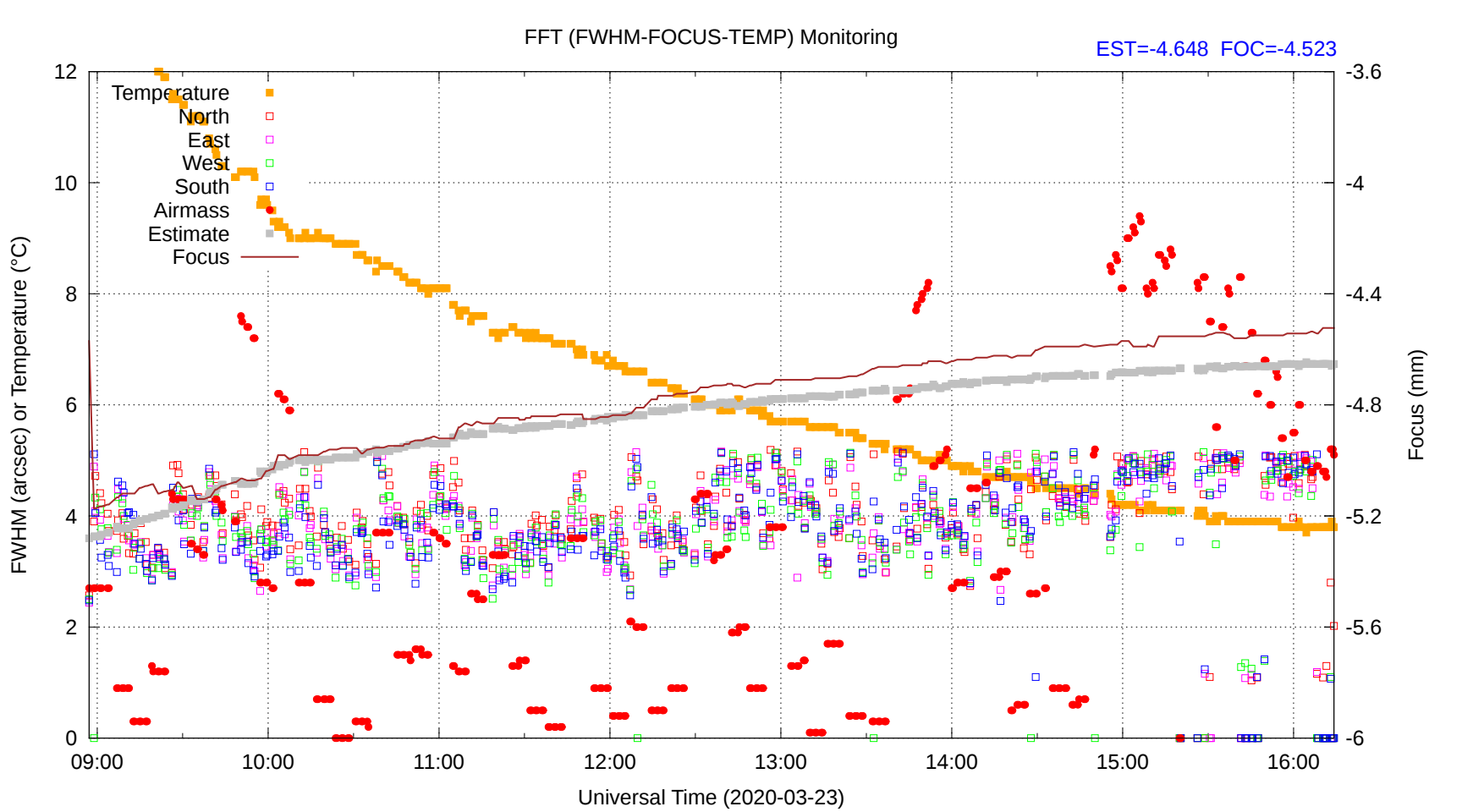
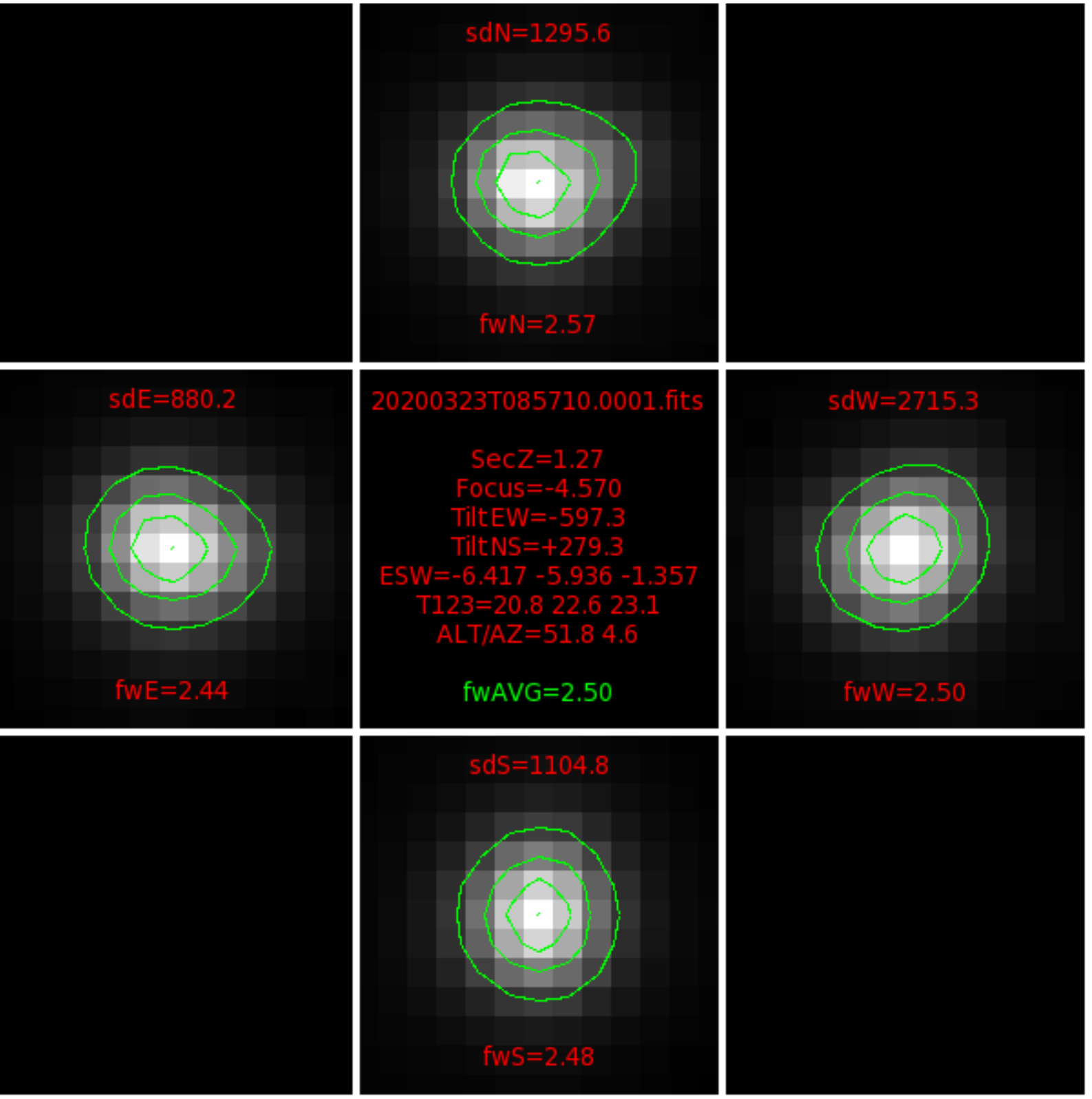

FFT (FWHM-FOCUS-TEMP) Monitoring
EST=-4.648 FOC=-4.523
Temperature
North
East
West
South
Airmass
Estimate
Focus
FWHM (arcsec) or Temperature (°C)
Focus (mm)
Universal Time (2020-03-23)
0
2
4
6
8
10
12
-3.6
-4
-4.4
-4.8
-5.2
-5.6
-6
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00


sdN=1295.6
fwN=2.57
sdE=880.2
fwE=2.44
20200323T085710.0001.fits
SecZ=1.27
Focus=-4.570
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.417 -5.936 -1.357
T123=20.8 22.6 23.1
ALT/AZ=51.8 4.6
fwAVG=2.50
sdW=2715.3
fwW=2.50
sdS=1104.8
fwS=2.48
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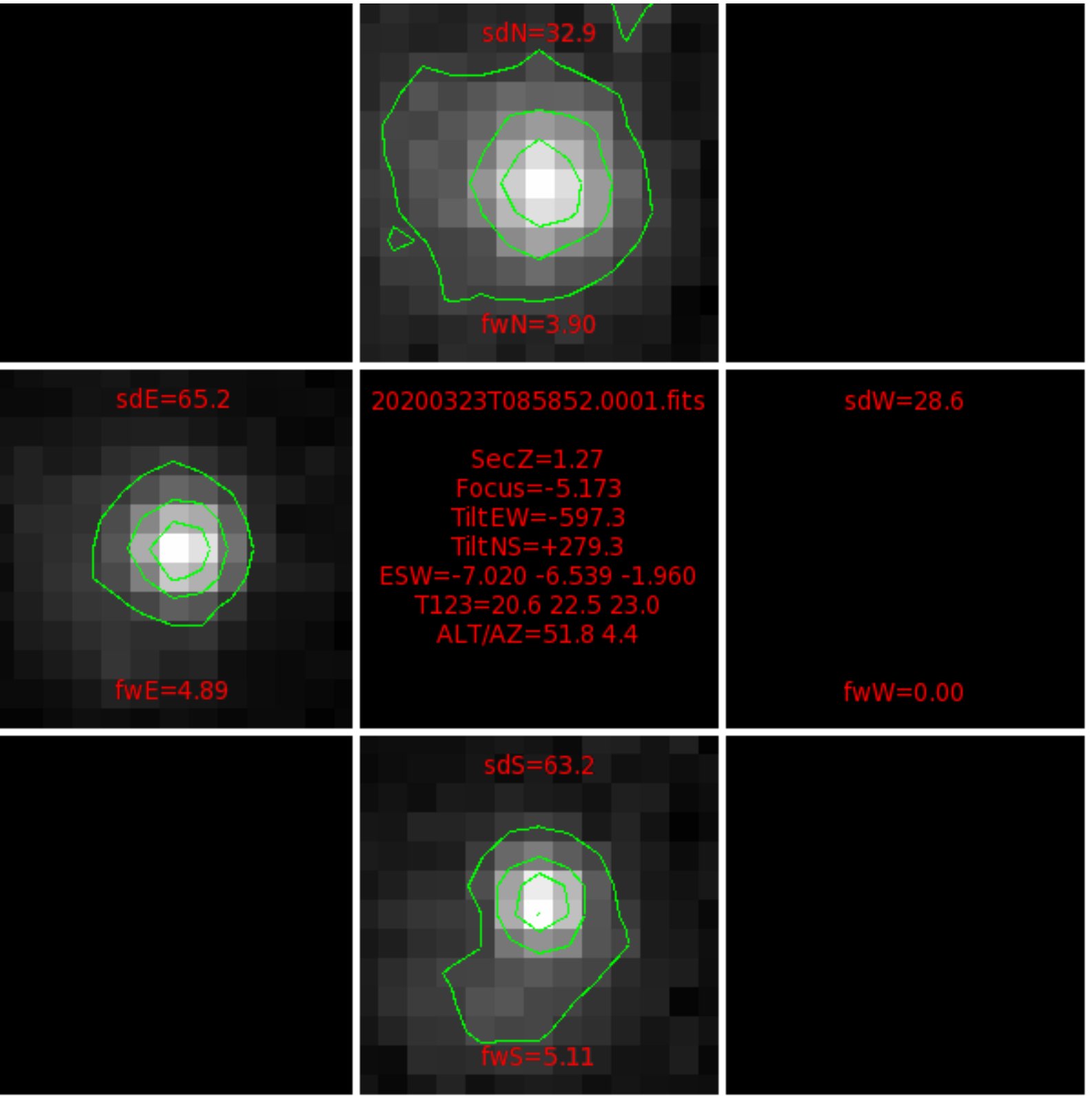
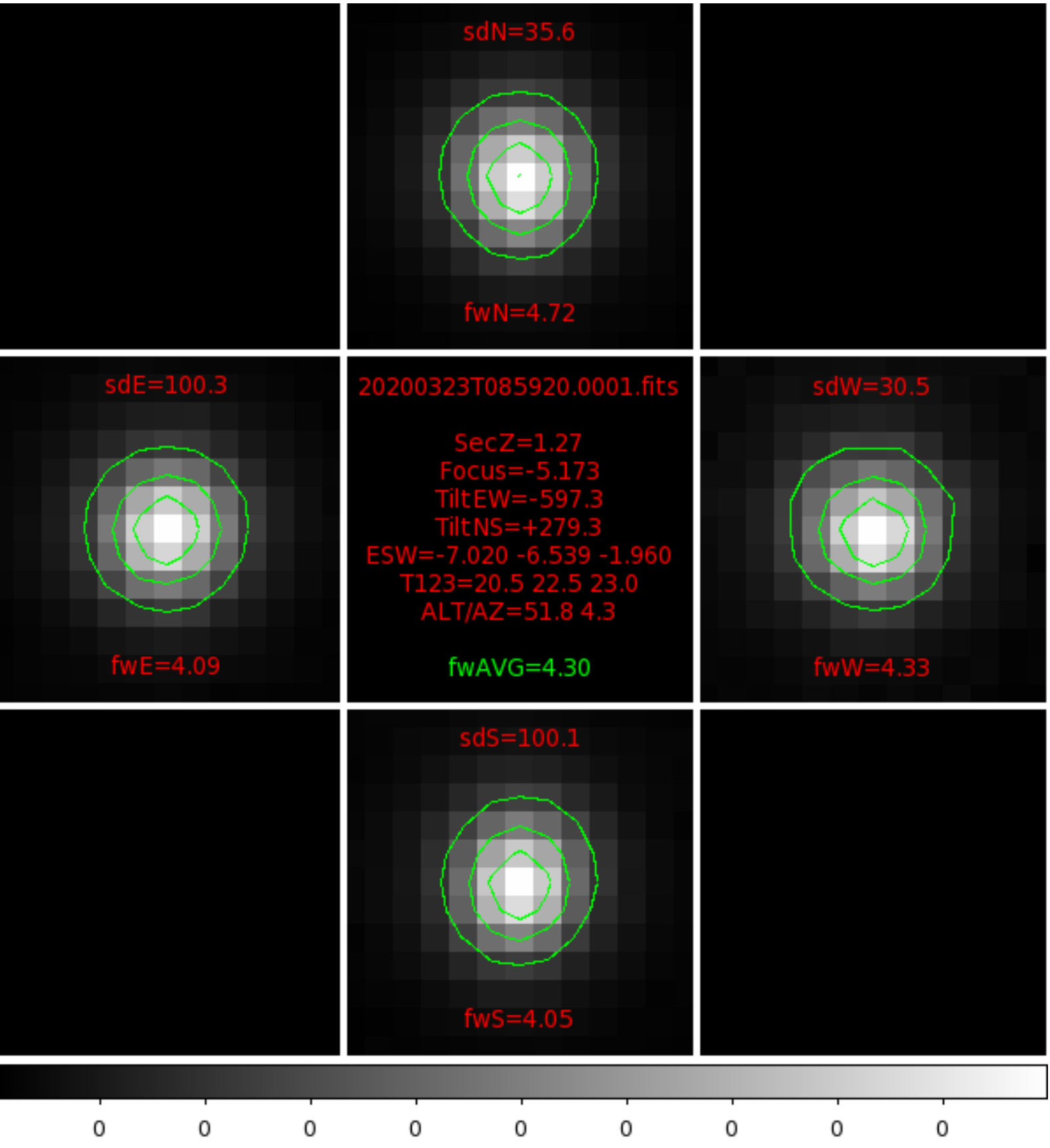

sdN=32.9
fwN=3.90
sdE=65.2
fwE=4.89
20200323T085852.0001.fits
SecZ=1.27
Focus=-5.173
TiltEW=-597.3
TiltNS=+279.3
ESW=-7.020 -6.539 -1.960
T123=20.6 22.5 23.0
ALT/AZ=51.8 4.4
sdW=28.6
fwW=0.00
sdS=63.2
fwS=5.11
0 0 0 0 0 0 0 0 0


sdN=35.6
fwN=4.72
sdE=100.3
fwE=4.09
20200323T085920.0001.fits
SecZ=1.27
Focus=-5.173
TiltEW=-597.3
TiltNS=+279.3
ESW=-7.020 -6.539 -1.960
T123=20.5 22.5 23.0
ALT/AZ=51.8 4.3
fwAVG=4.30
sdW=30.5
fwW=4.33
sdS=100.1
fwS=4.05
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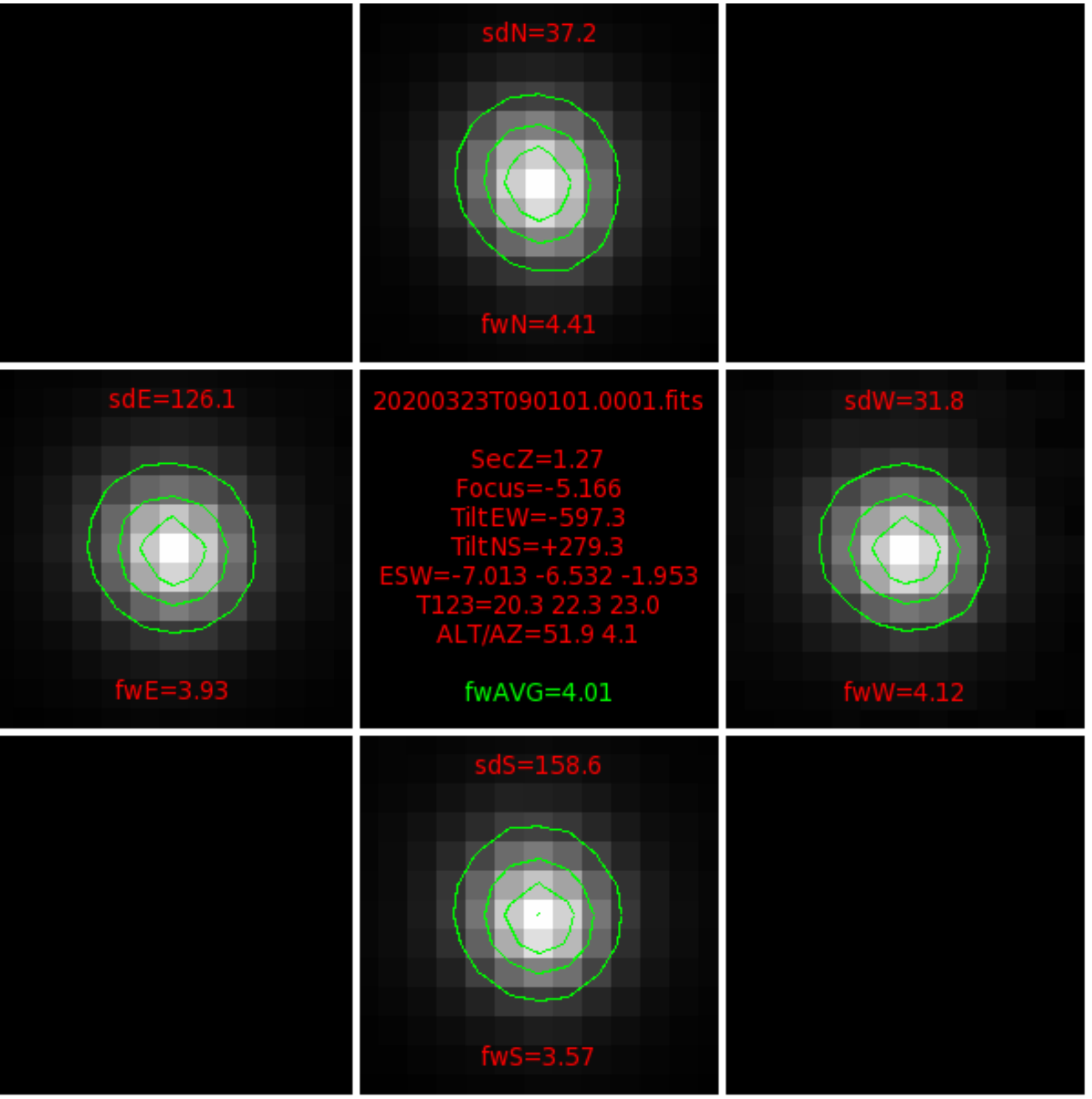
sdN=37.2
fwN=4.41
sdE=126.1
fwE=3.93
20200323T090101.0001.fits
SecZ=1.27
Focus=-5.166
TiltEW=-597.3
TiltNS=+279.3
ESW=-7.013 -6.532 -1.953
T123=20.3 22.3 23.0
ALT/AZ=51.9 4.1
fwAVG=4.01
sdW=31.8
fwW=4.12
sdS=158.6
fwS=3.57
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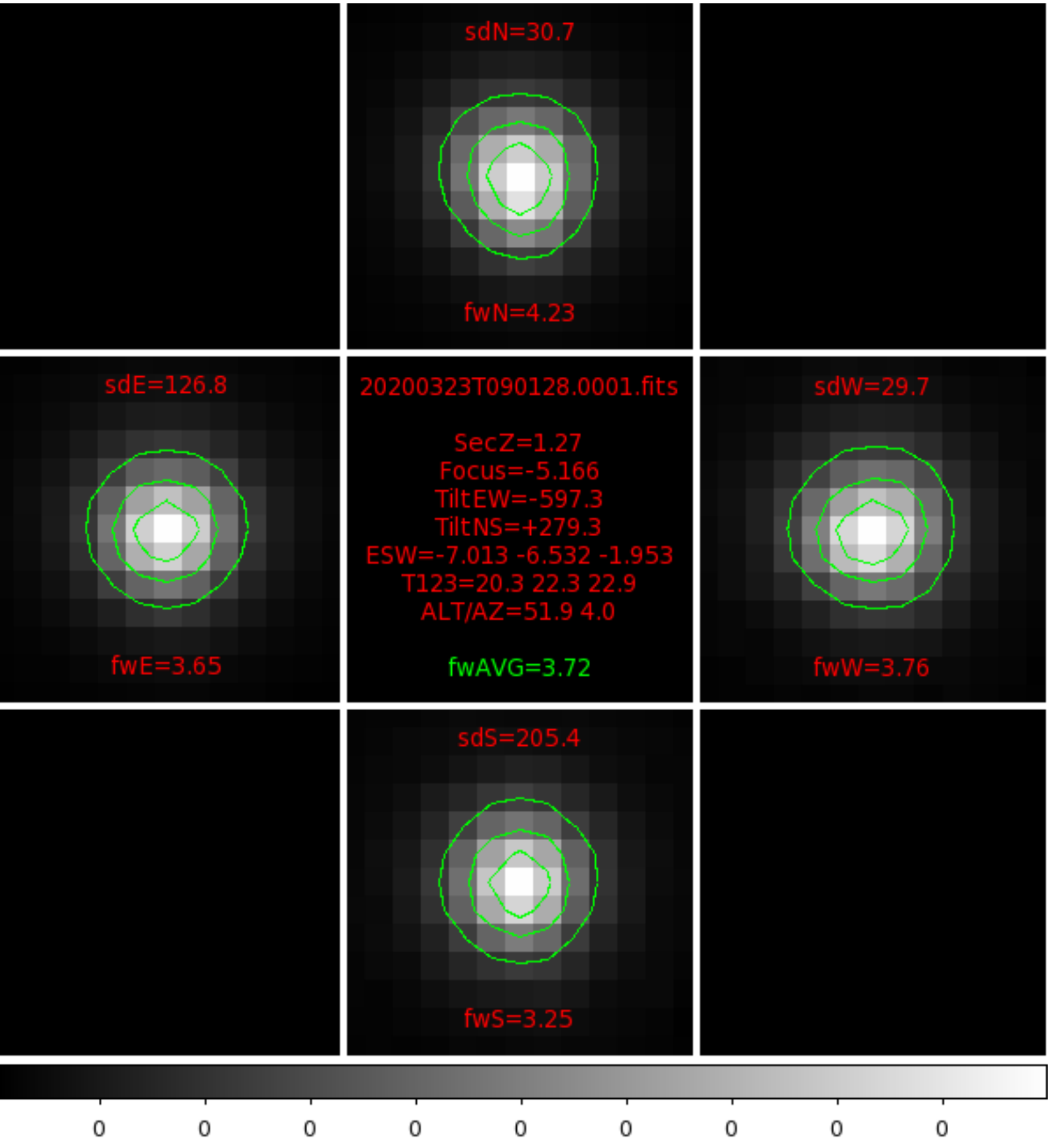
sdN=30.7
fwN=4.23
sdE=126.8
fwE=3.65
20200323T090128.0001.fits
SecZ=1.27
Focus=-5.166
TiltEW=-597.3
TiltNS=+279.3
ESW=-7.013 -6.532 -1.953
T123=20.3 22.3 22.9
ALT/AZ=51.9 4.0
fwAVG=3.72
sdW=29.7
fwW=3.76
sdS=205.4
fwS=3.25
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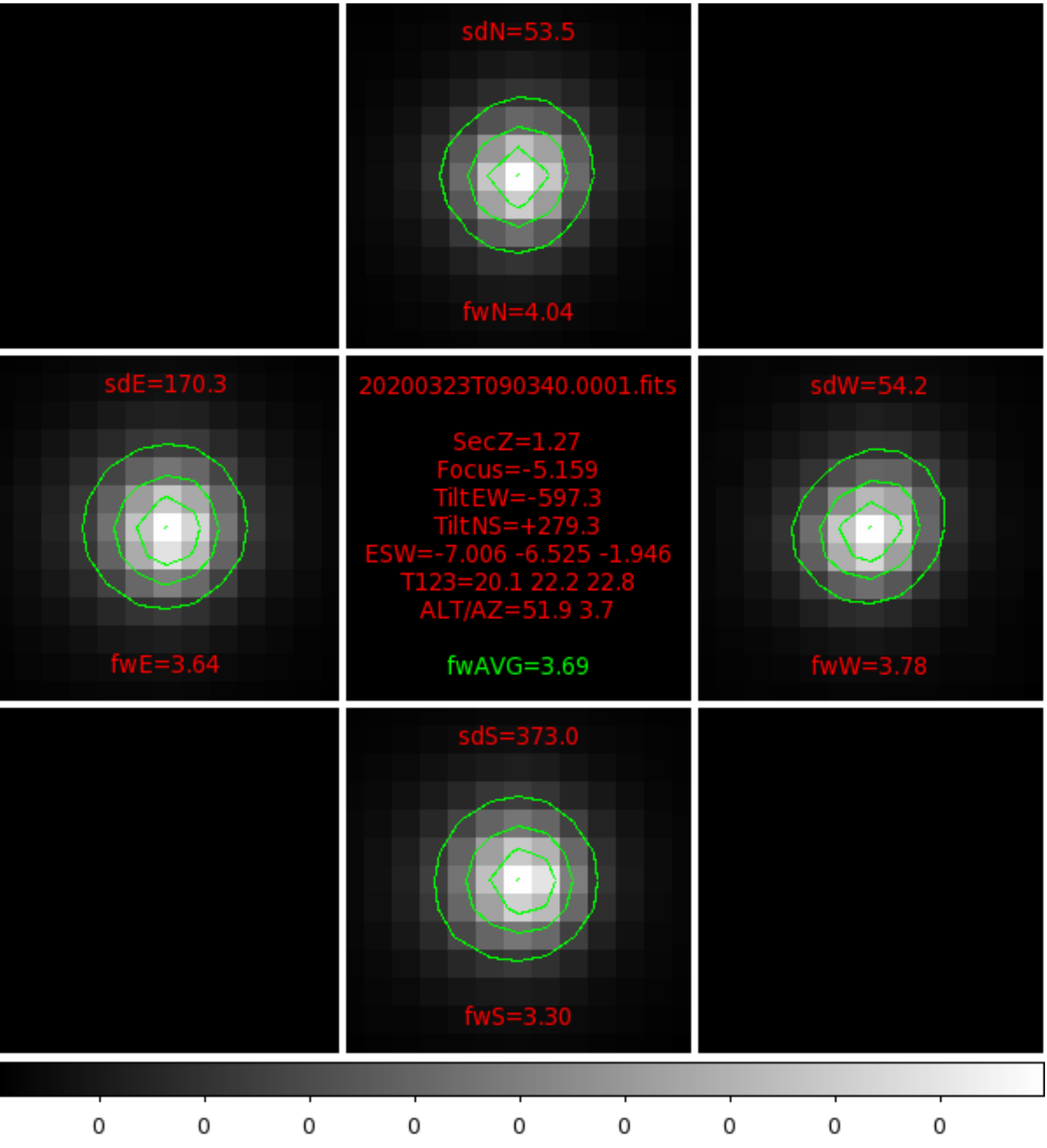
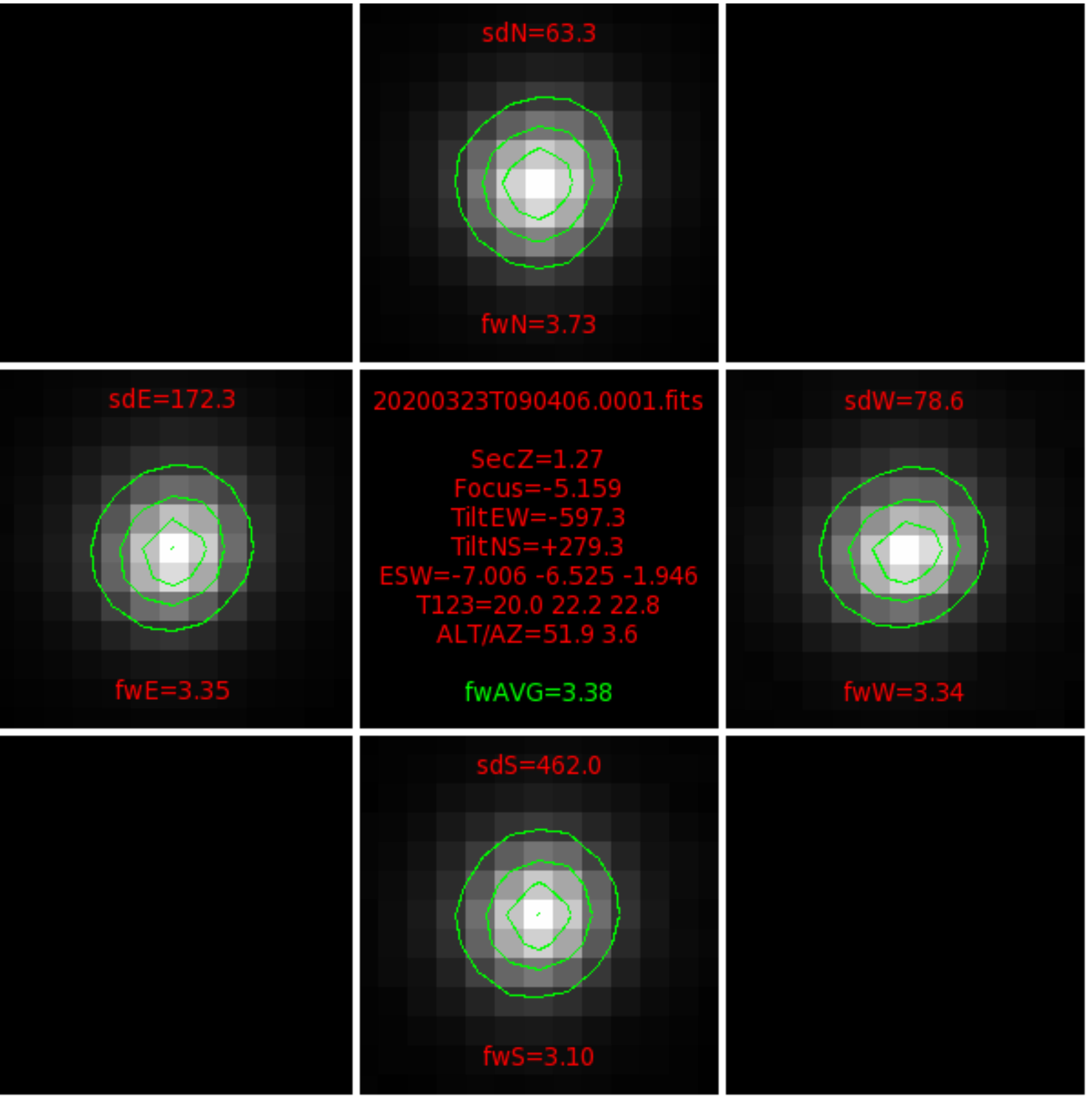
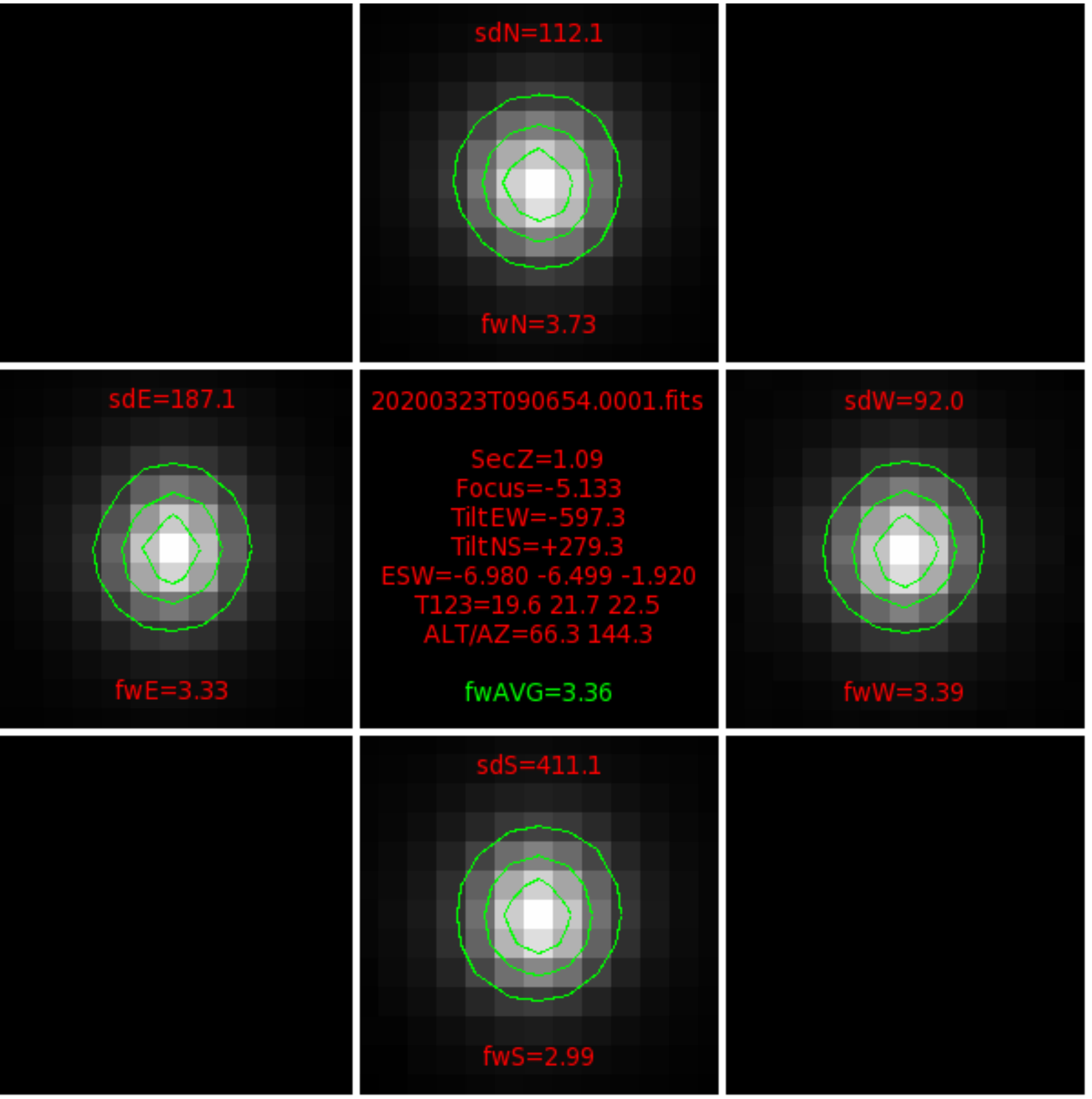
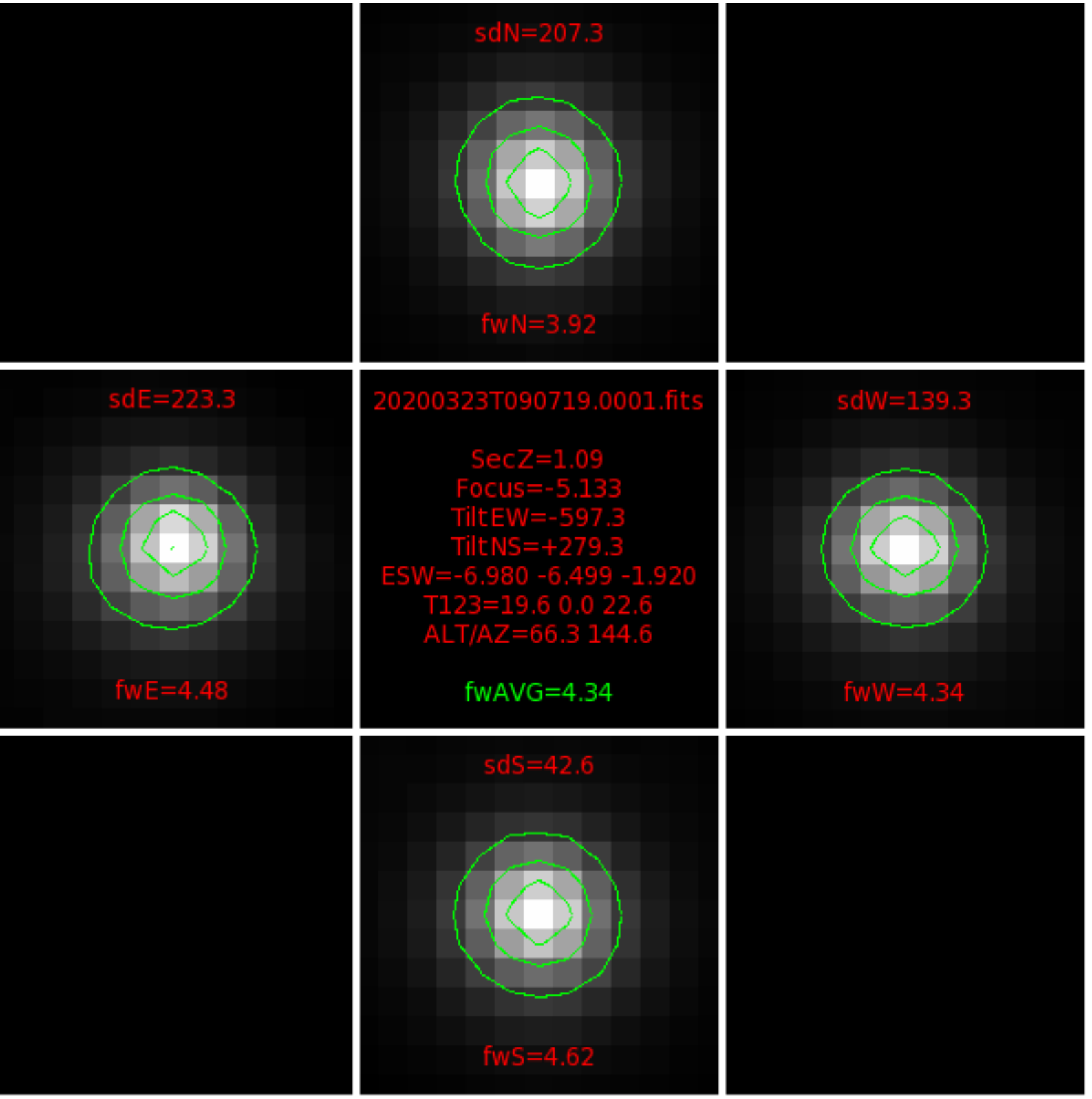
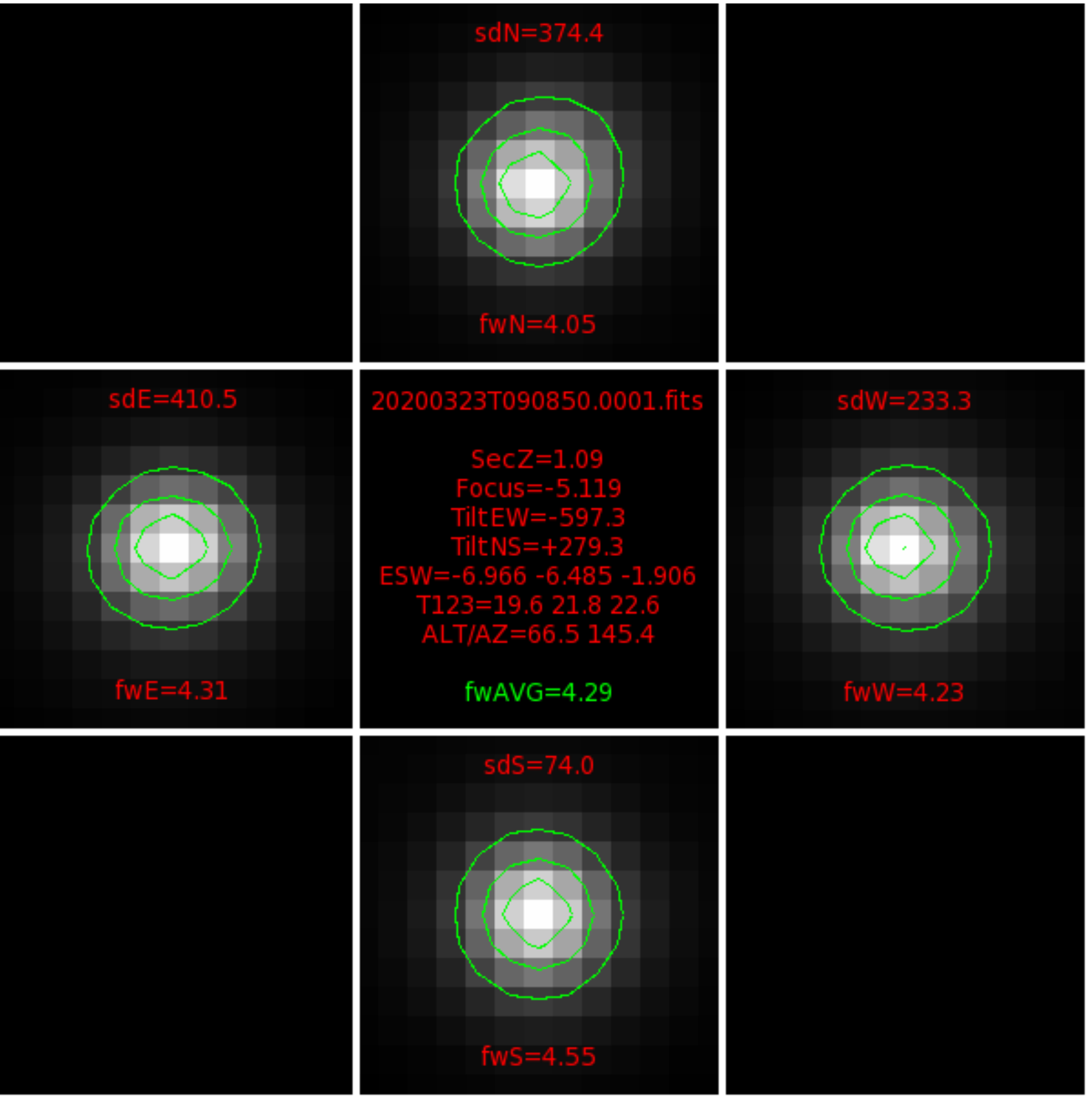

sdN=53.5
fwN=4.04
sdE=170.3
fwE=3.64
20200323T090340.0001.fits
SecZ=1.27
Focus=-5.159
TiltEW=-597.3
TiltNS=+279.3
ESW=-7.006 -6.525 -1.946
T123=20.1 22.2 22.8
ALT/AZ=51.9 3.7
fwAVG=3.69
sdW=54.2
fwW=3.78
sdS=373.0
fwS=3.30
0 0 0 0 0 0 0 0 0


sdN=63.3
fwN=3.73
sdE=172.3
fwE=3.35
20200323T090406.0001.fits
SecZ=1.27
Focus=-5.159
TiltEW=-597.3
TiltNS=+279.3
ESW=-7.006 -6.525 -1.946
T123=20.0 22.2 22.8
ALT/AZ=51.9 3.6
fwAVG=3.38
sdW=78.6
fwW=3.34
sdS=462.0
fwS=3.10
0 0 0 0 0 0 0 0 0


sdN=112.1
fwN=3.73
sdE=187.1
fwE=3.33
20200323T090654.0001.fits
SecZ=1.09
Focus=-5.133
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.980 -6.499 -1.920
T123=19.6 21.7 22.5
ALT/AZ=66.3 144.3
fwAVG=3.36
sdW=92.0
fwW=3.39
sdS=411.1
fwS=2.99
0 0 0 0 0 0 0 0 0


sdN=207.3
fwN=3.92
sdE=223.3
fwE=4.48
20200323T090719.0001.fits
SecZ=1.09
Focus=-5.133
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.980 -6.499 -1.920
T123=19.6 0.0 22.6
ALT/AZ=66.3 144.6
fwAVG=4.34
sdW=139.3
fwW=4.34
sdS=42.6
fwS=4.62
0 0 0 0 0 0 0 0 0


sdN=374.4
fwN=4.05
sdE=410.5
fwE=4.31
20200323T090850.0001.fits
SecZ=1.09
Focus=-5.119
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.966 -6.485 -1.906
T123=19.6 21.8 22.6
ALT/AZ=66.5 145.4
fwAVG=4.29
sdW=233.3
fwW=4.23
sdS=74.0
fwS=4.55
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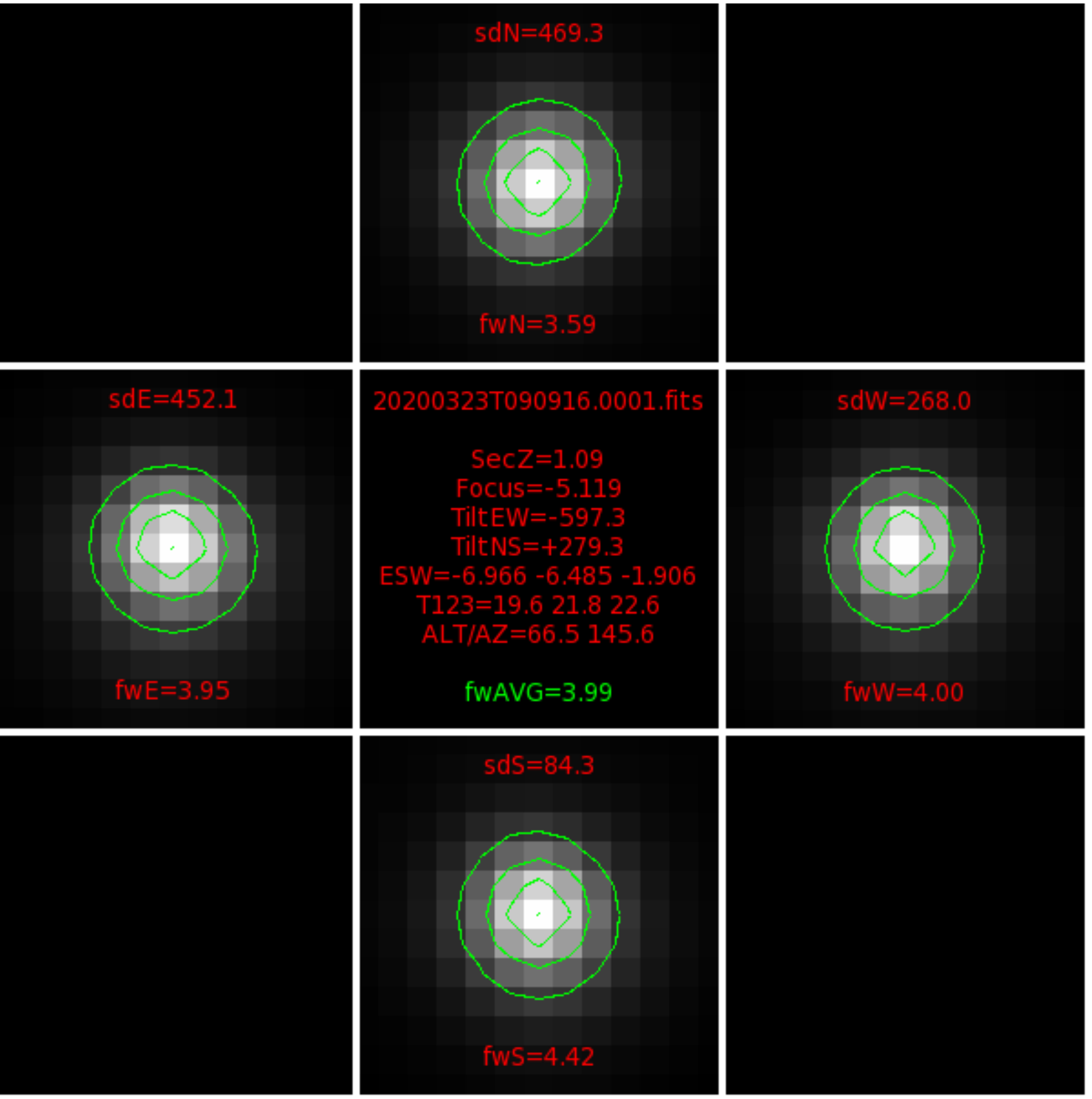
sdN=469.3
fwN=3.59
sdE=452.1
fwE=3.95
20200323T090916.0001.fits
SecZ=1.09
Focus=-5.119
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.966 -6.485 -1.906
T123=19.6 21.8 22.6
ALT/AZ=66.5 145.6
fwAVG=3.99
sdW=268.0
fwW=4.00
sdS=84.3
fwS=4.42
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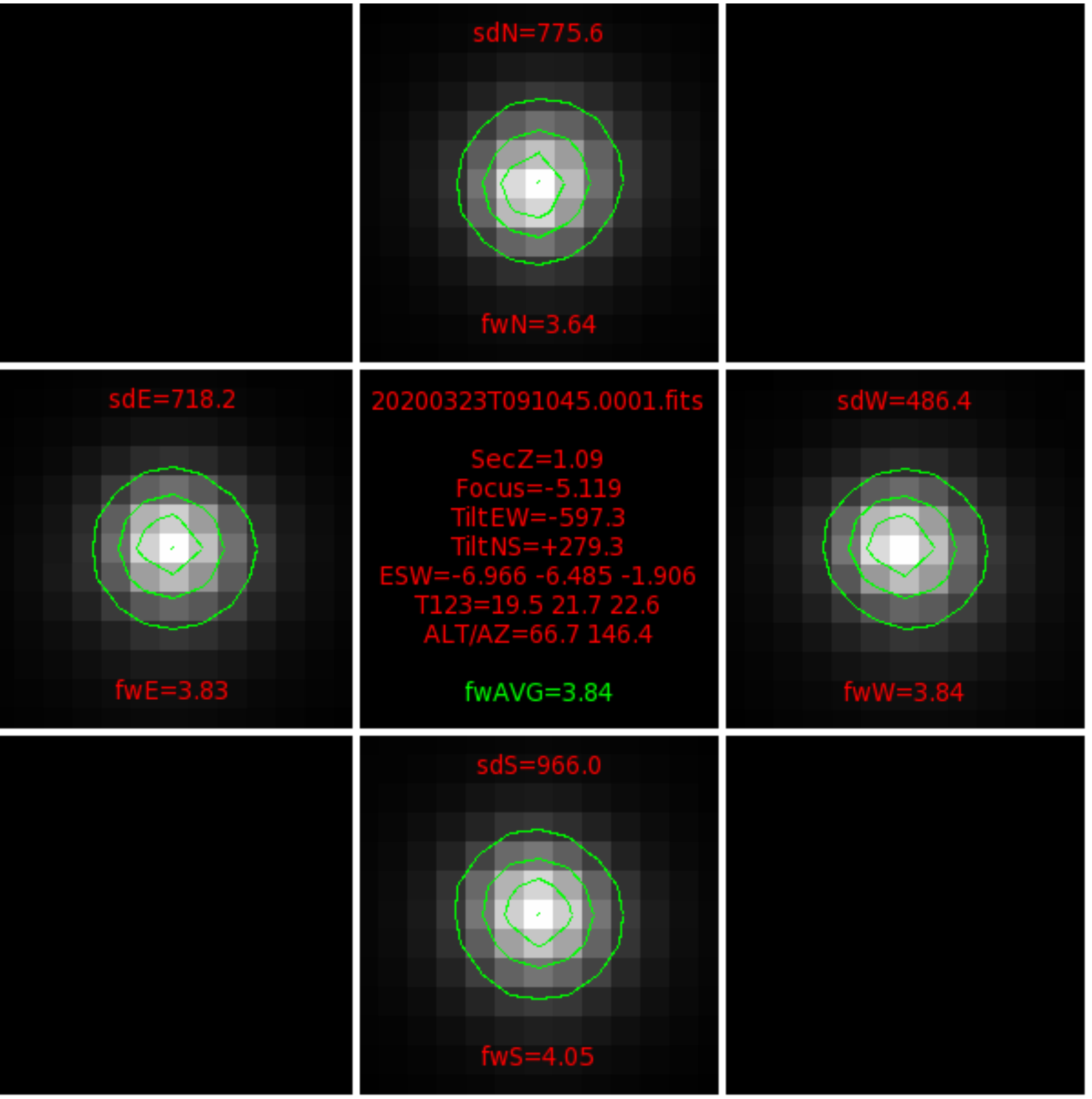
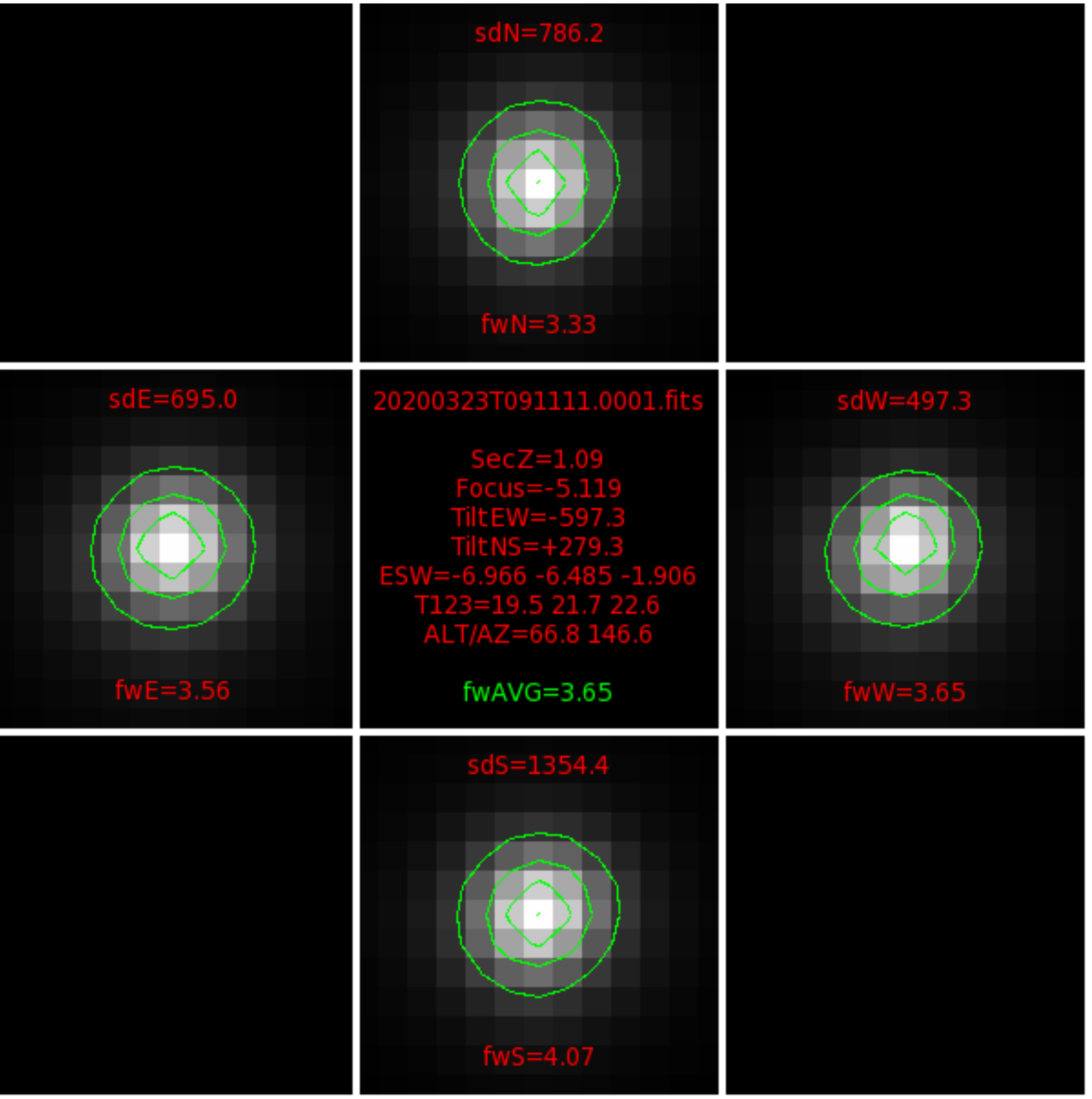
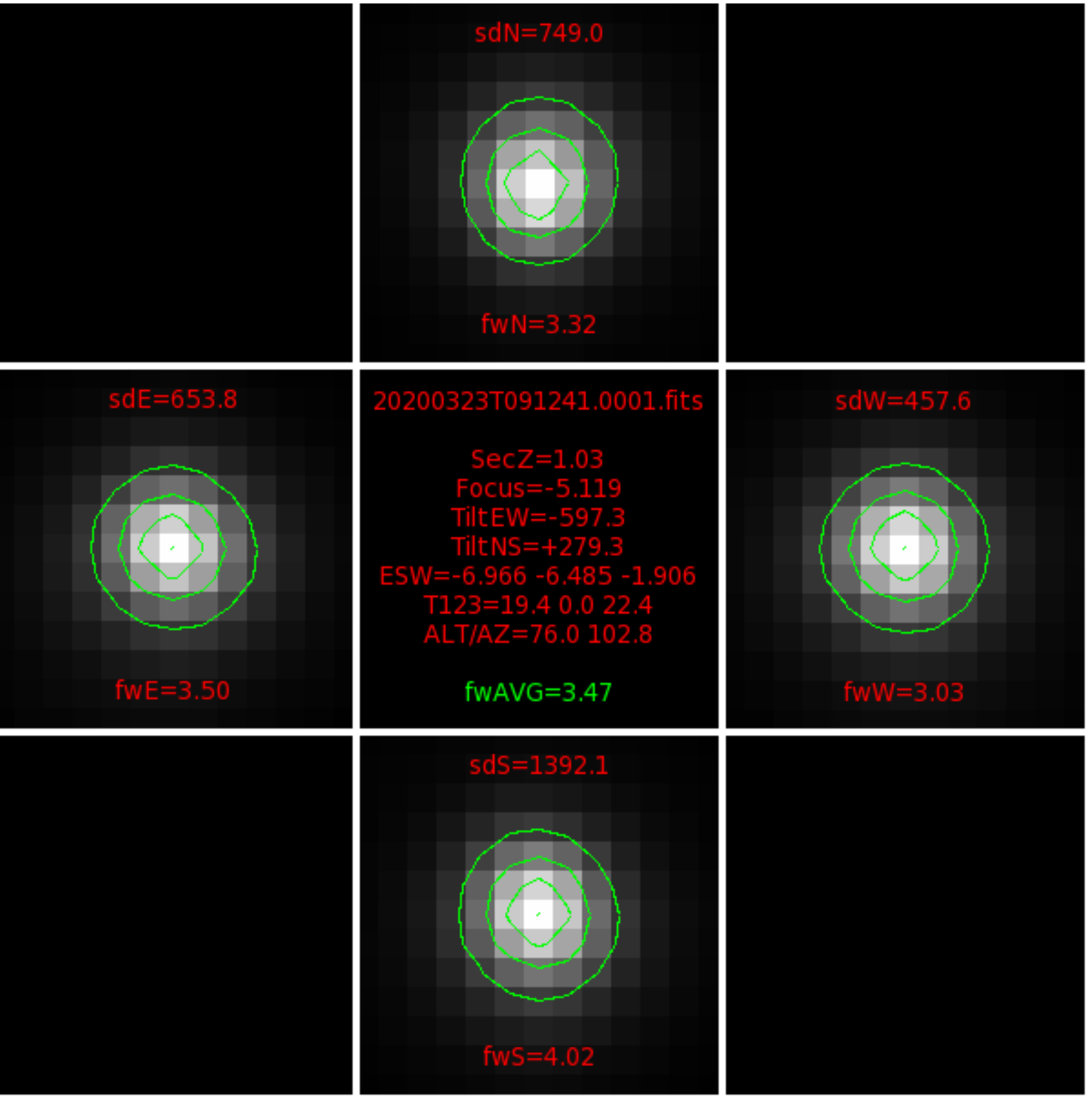
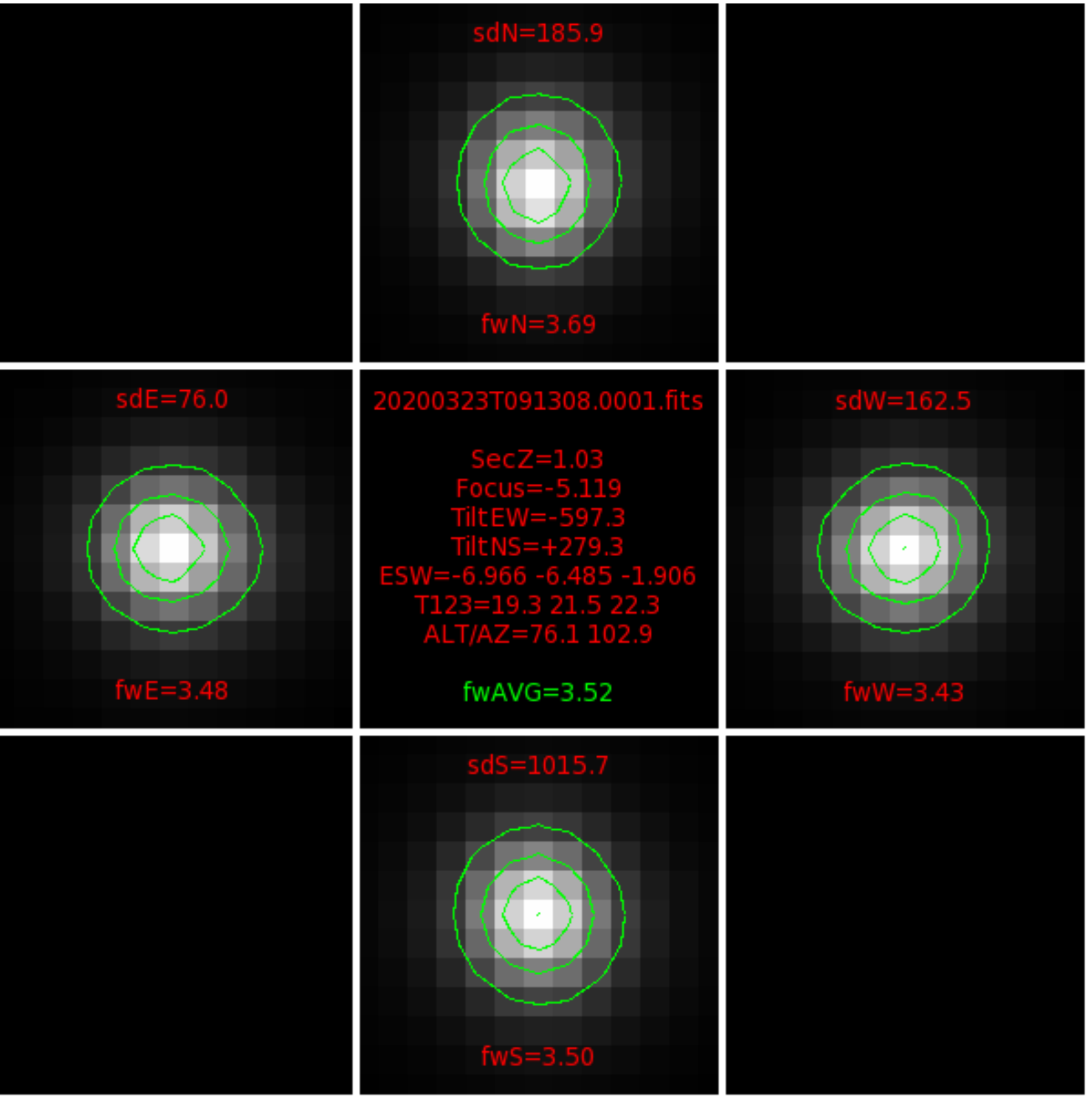

sdN=775.6
fwN=3.64
sdE=718.2
fwE=3.83
20200323T091045.0001.fits
SecZ=1.09
Focus=-5.119
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.966 -6.485 -1.906
T123=19.5 21.7 22.6
ALT/AZ=66.7 146.4
fwAVG=3.84
sdW=486.4
fwW=3.84
sdS=966.0
fwS=4.05
0 0 0 0 0 0 0 0 0


sdN=786.2
fwN=3.33
sdE=695.0
fwE=3.56
20200323T091111.0001.fits
SecZ=1.09
Focus=-5.119
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.966 -6.485 -1.906
T123=19.5 21.7 22.6
ALT/AZ=66.8 146.6
fwAVG=3.65
sdW=497.3
fwW=3.65
sdS=1354.4
fwS=4.07
0 0 0 0 0 0 0 0 0


sdN=749.0
fwN=3.32
sdE=653.8
fwE=3.50
20200323T091241.0001.fits
SecZ=1.03
Focus=-5.119
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.966 -6.485 -1.906
T123=19.4 0.0 22.4
ALT/AZ=76.0 102.8
fwAVG=3.47
sdW=457.6
fwW=3.03
sdS=1392.1
fwS=4.02
0 0 0 0 0 0 0 0 0


sdN=185.9
fwN=3.69
sdE=76.0
fwE=3.48
20200323T091308.0001.fits
SecZ=1.03
Focus=-5.119
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.966 -6.485 -1.906
T123=19.3 21.5 22.3
ALT/AZ=76.1 102.9
fwAVG=3.52
sdW=162.5
fwW=3.43
sdS=1015.7
fwS=3.50
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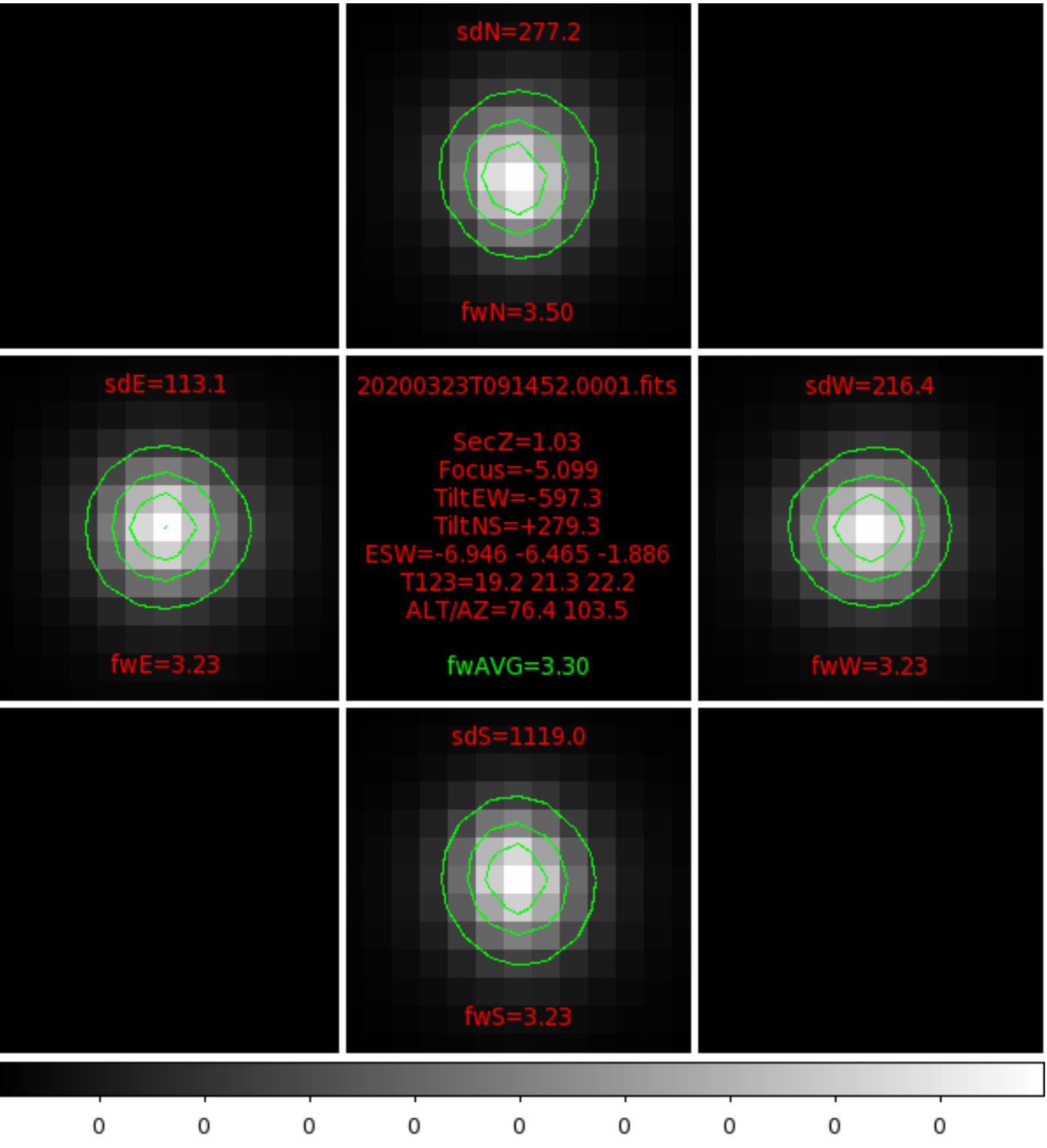
sdN=277.2
fwN=3.50
sdE=113.1
fwE=3.23
20200323T091452.0001.fits
SecZ=1.03
Focus=-5.099
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.946 -6.465 -1.886
T123=19.2 21.3 22.2
ALT/AZ=76.4 103.5
fwAVG=3.30
sdW=216.4
fwW=3.23
sdS=1119.0
fwS=3.23
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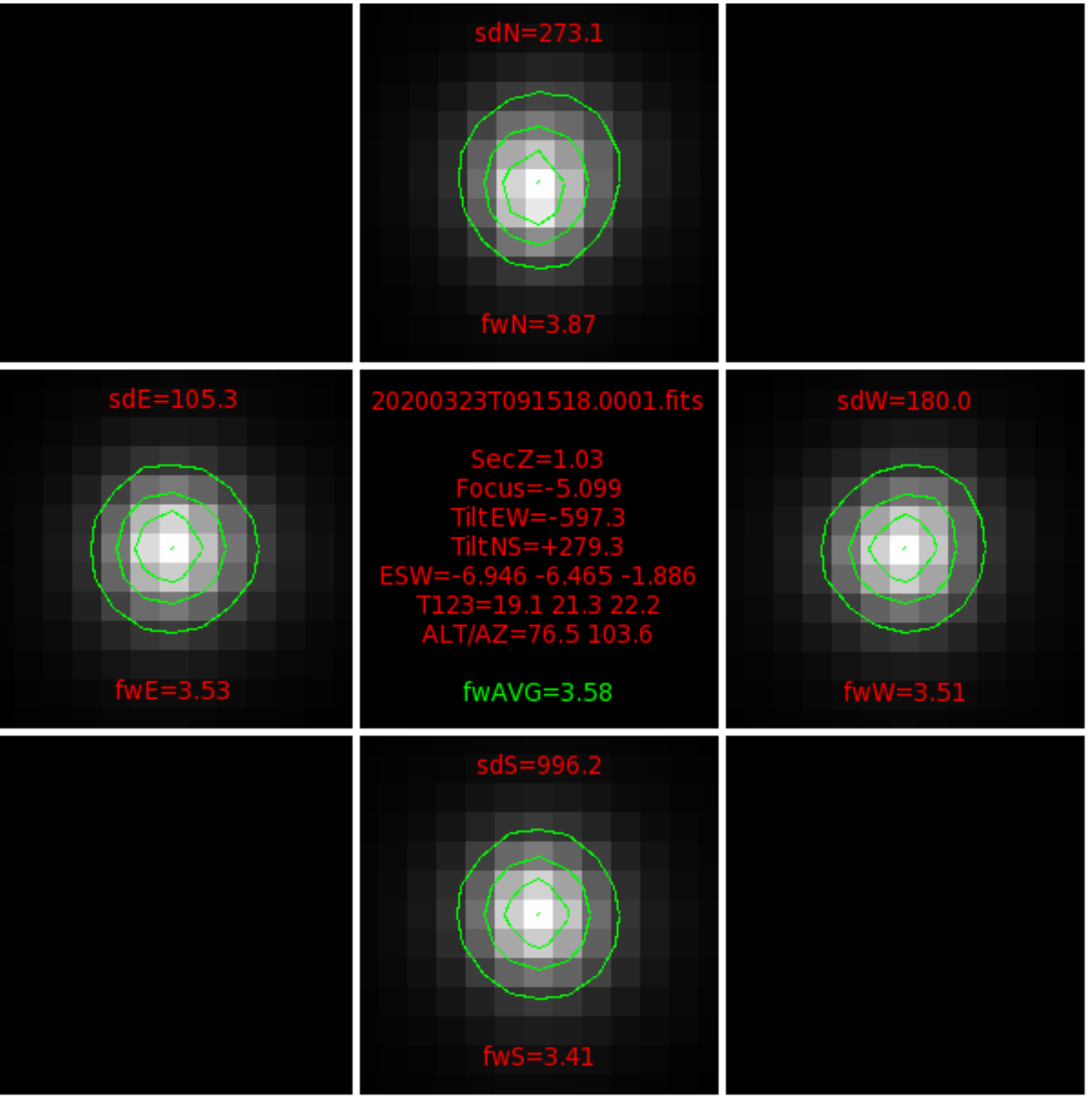
sdN=273.1
fwN=3.87
sdE=105.3
fwE=3.53
20200323T091518.0001.fits
SecZ=1.03
Focus=-5.099
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.946 -6.465 -1.886
T123=19.1 21.3 22.2
ALT/AZ=76.5 103.6
fwAVG=3.58
sdW=180.0
fwW=3.51
sdS=996.2
fwS=3.41
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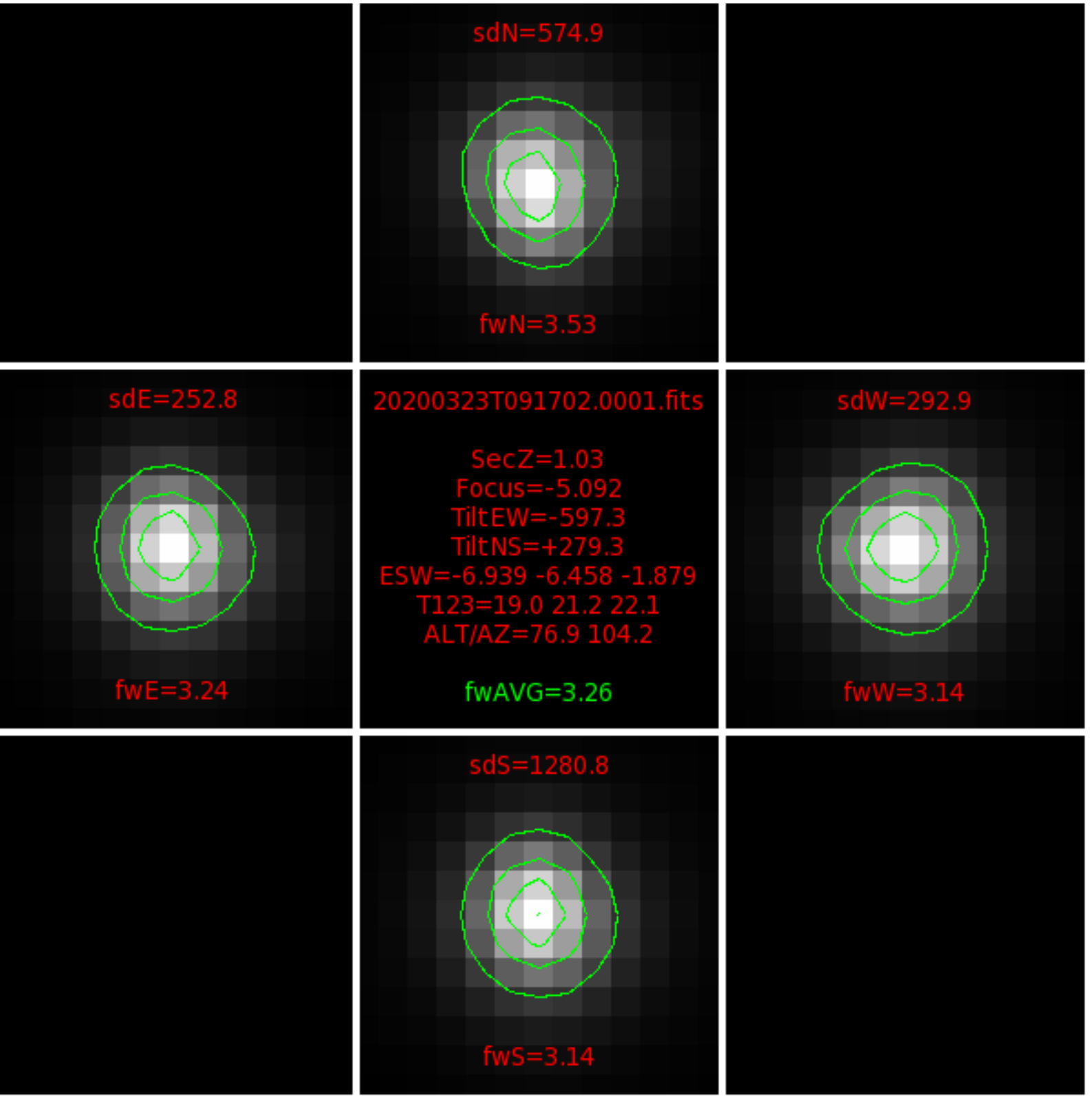
sdN=574.9
fwN=3.53
sdE=252.8
fwE=3.24
20200323T091702.0001.fits
SecZ=1.03
Focus=-5.092
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.939 -6.458 -1.879
T123=19.0 21.2 22.1
ALT/AZ=76.9 104.2
fwAVG=3.26
sdW=292.9
fwW=3.14
sdS=1280.8
fwS=3.14
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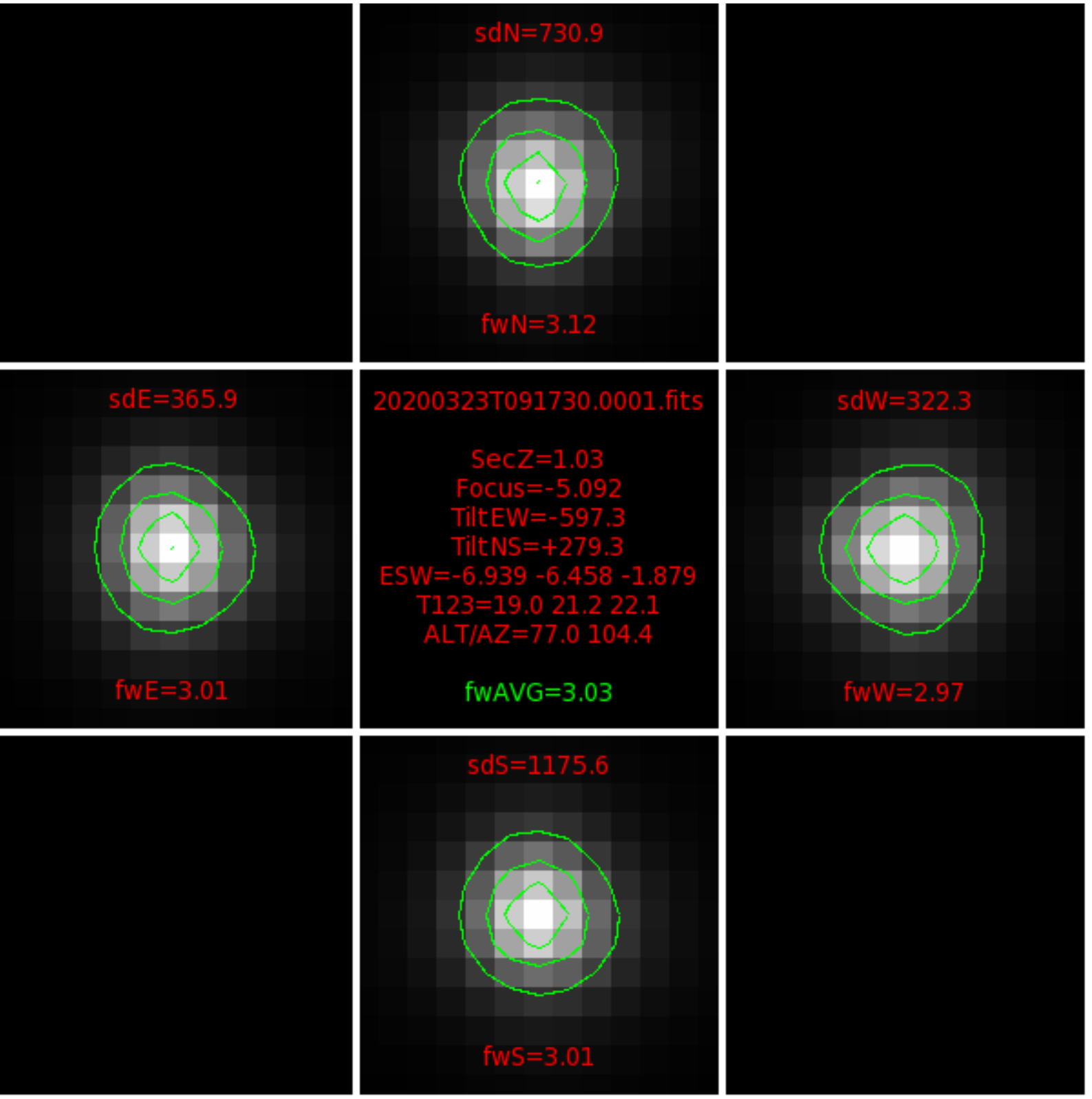
sdN=730.9
fwN=3.12
sdE=365.9
fwE=3.01
20200323T091730.0001.fits
SecZ=1.03
Focus=-5.092
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.939 -6.458 -1.879
T123=19.0 21.2 22.1
ALT/AZ=77.0 104.4
fwAVG=3.03
sdW=322.3
fwW=2.97
sdS=1175.6
fwS=3.01
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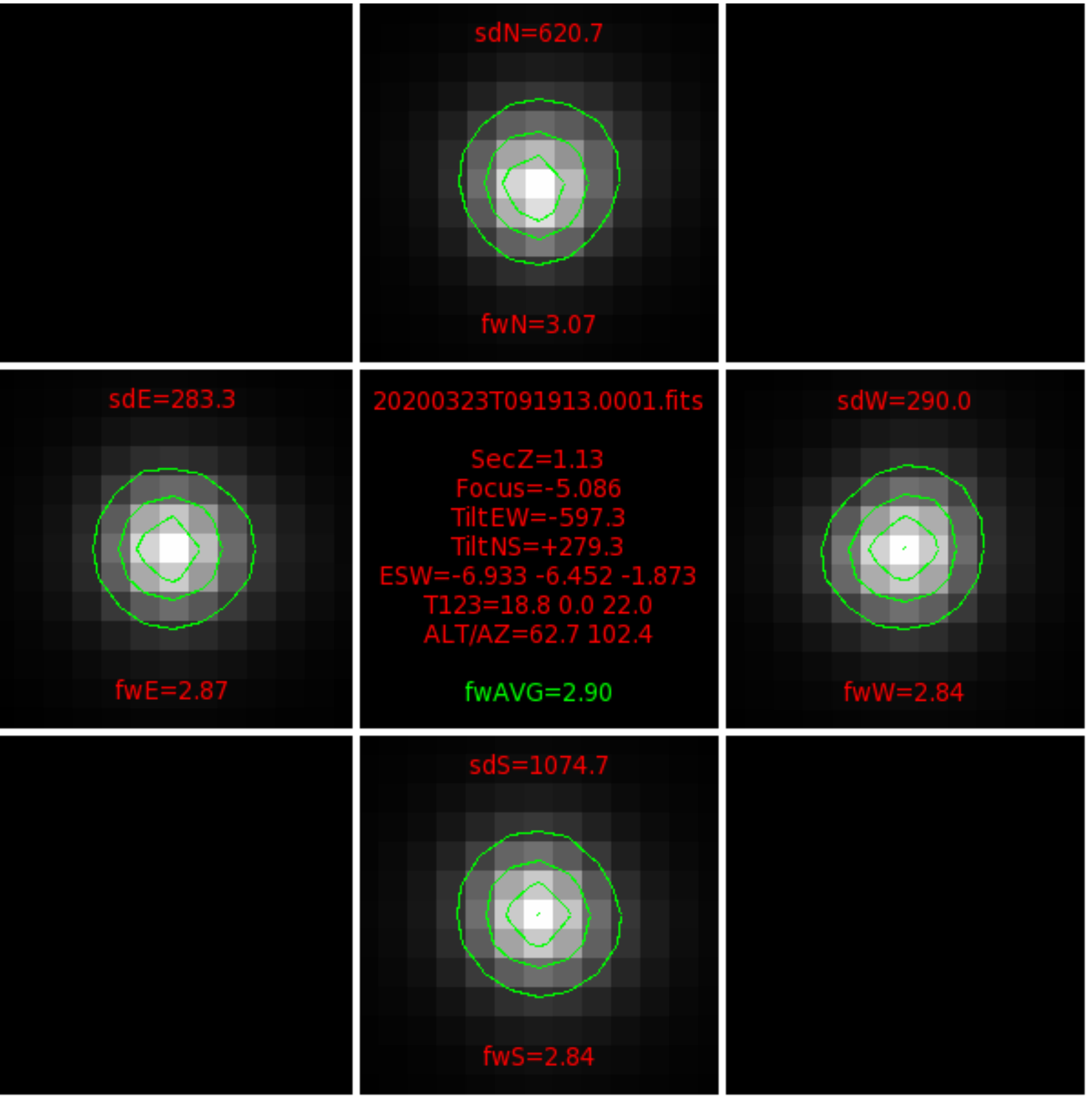
sdN=620.7
fwN=3.07
sdE=283.3
fwE=2.87
20200323T091913.0001.fits
SecZ=1.13
Focus=-5.086
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.933 -6.452 -1.873
T123=18.8 0.0 22.0
ALT/AZ=62.7 102.4
fwAVG=2.90
sdW=290.0
fwW=2.84
sdS=1074.7
fwS=2.84
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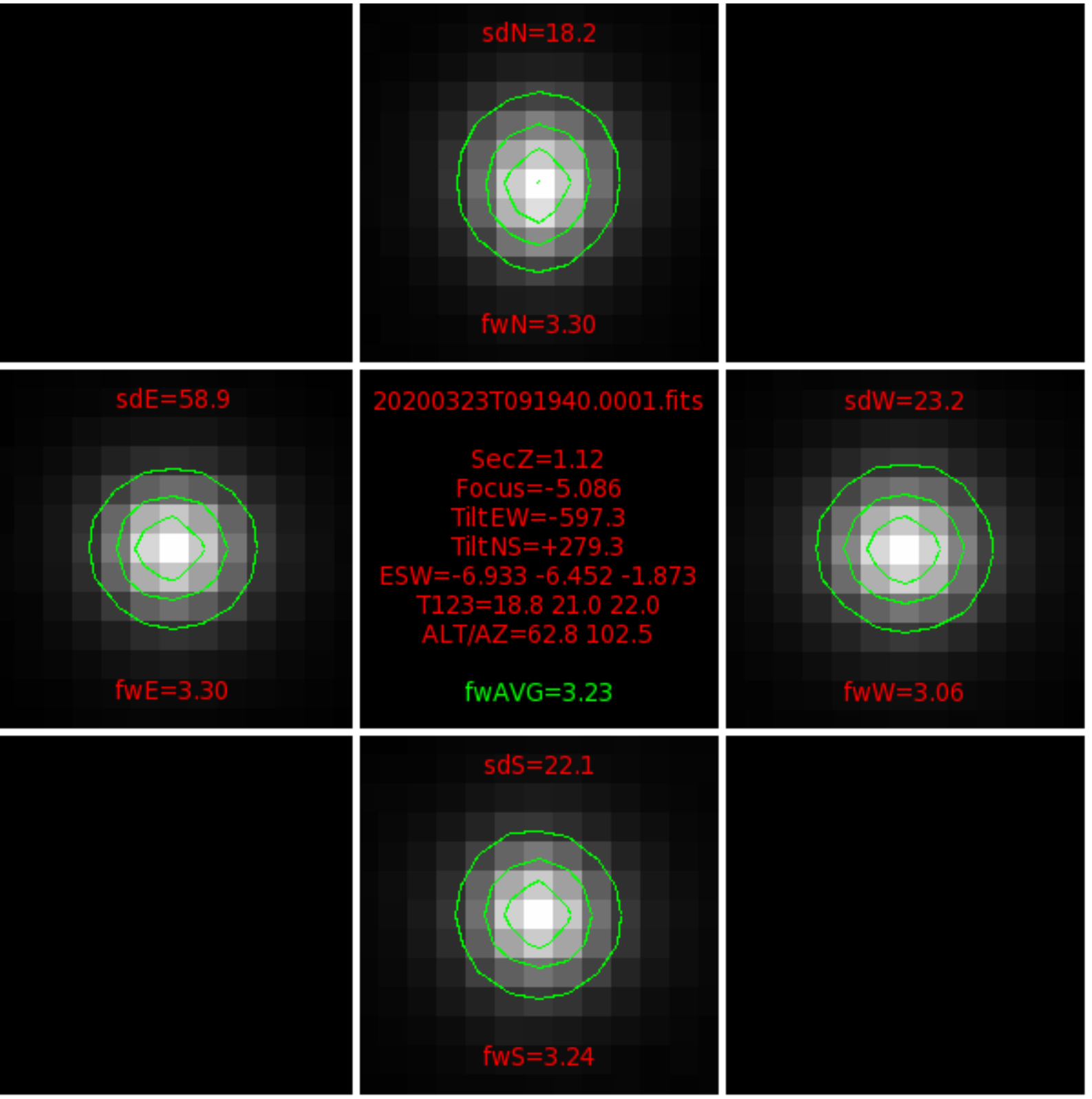
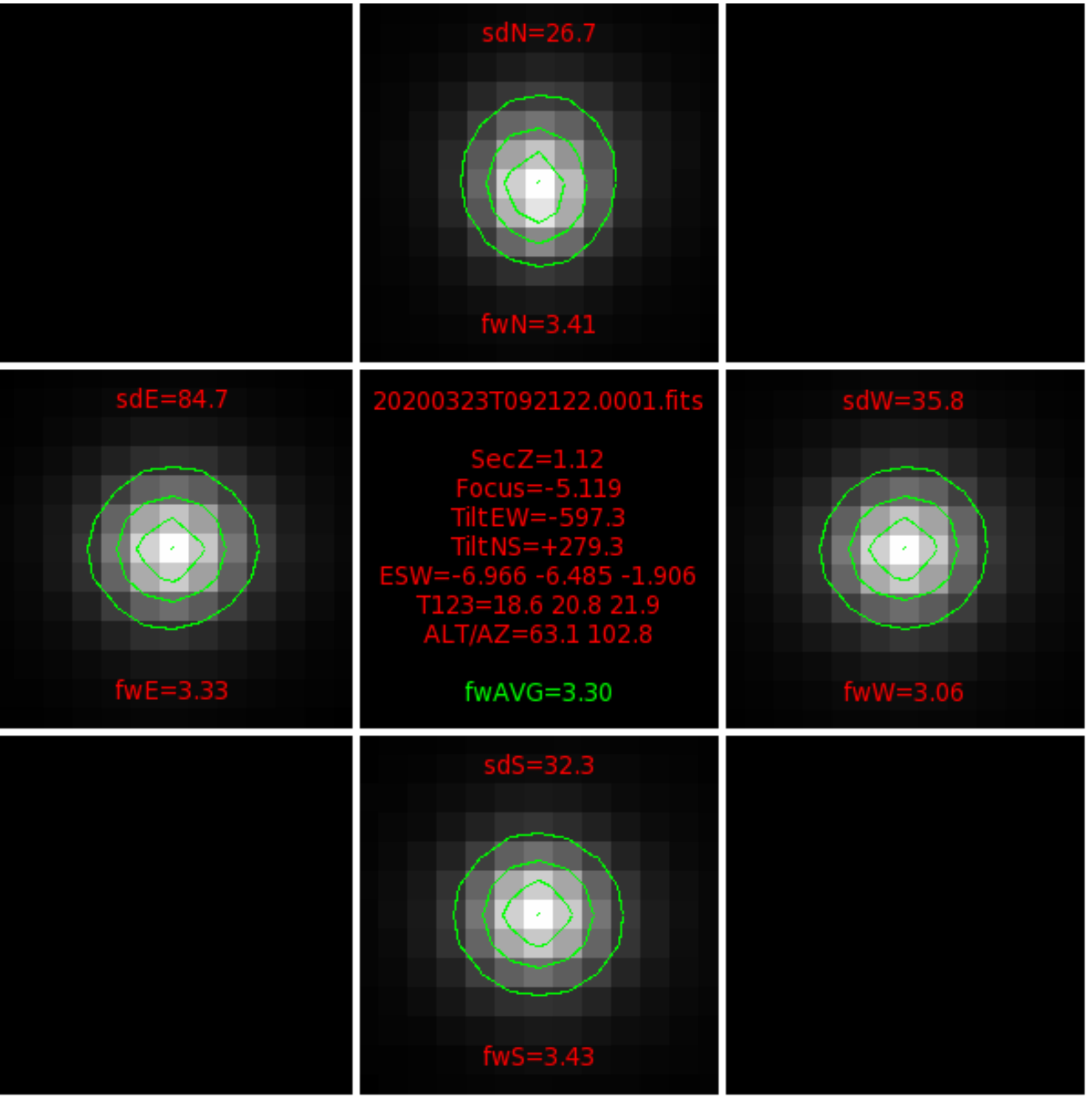

sdN=18.2
fwN=3.30
sdE=58.9
fwE=3.30
20200323T091940.0001.fits
SecZ=1.12
Focus=-5.086
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.933 -6.452 -1.873
T123=18.8 21.0 22.0
ALT/AZ=62.8 102.5
fwAVG=3.23
sdW=23.2
fwW=3.06
sdS=22.1
fwS=3.24
0 0 0 0 0 0 0 0 0


sdN=26.7
fwN=3.41
sdE=84.7
fwE=3.33
20200323T092122.0001.fits
SecZ=1.12
Focus=-5.119
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.966 -6.485 -1.906
T123=18.6 20.8 21.9
ALT/AZ=63.1 102.8
fwAVG=3.30
sdW=35.8
fwW=3.06
sdS=32.3
fwS=3.43
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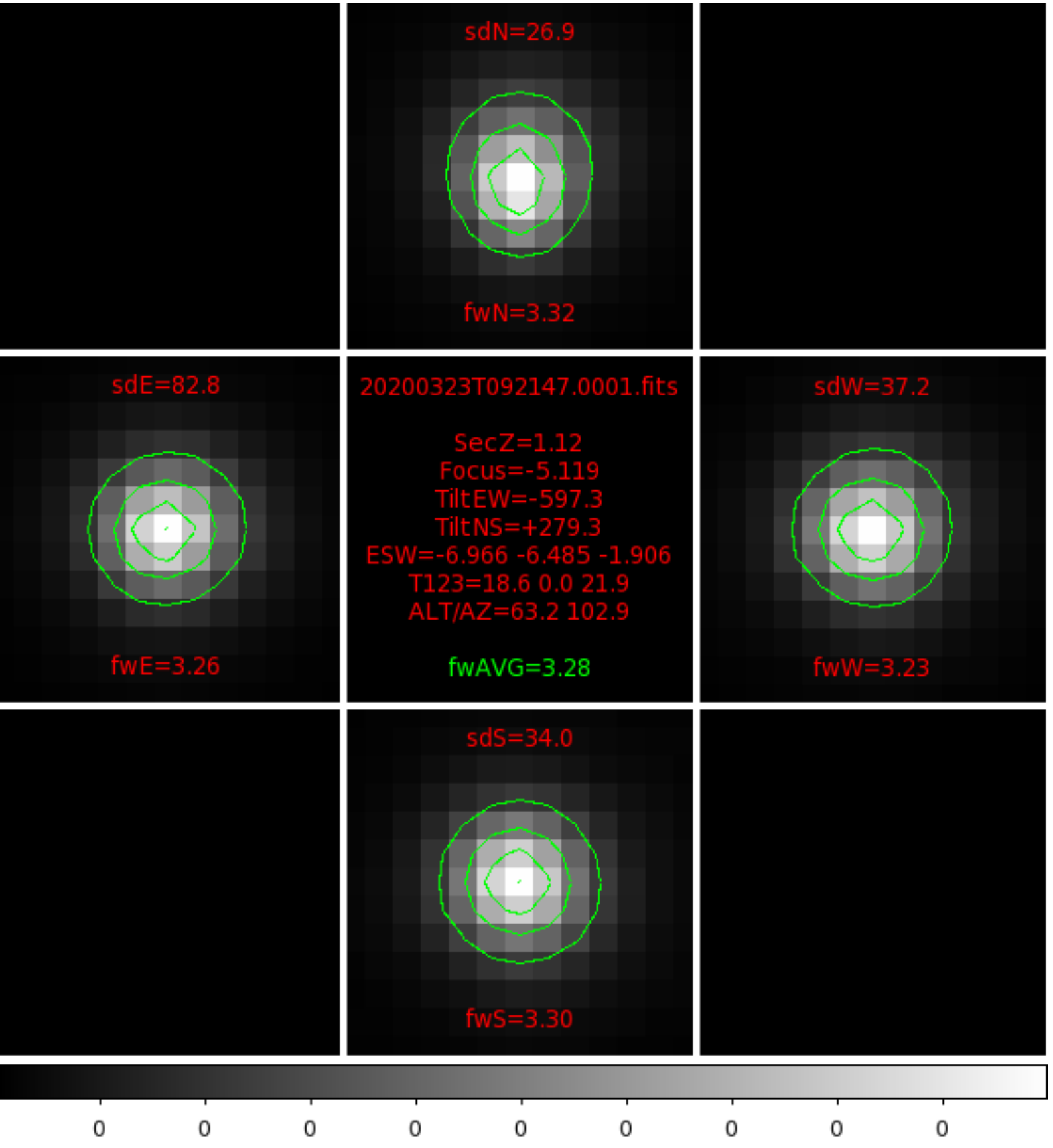
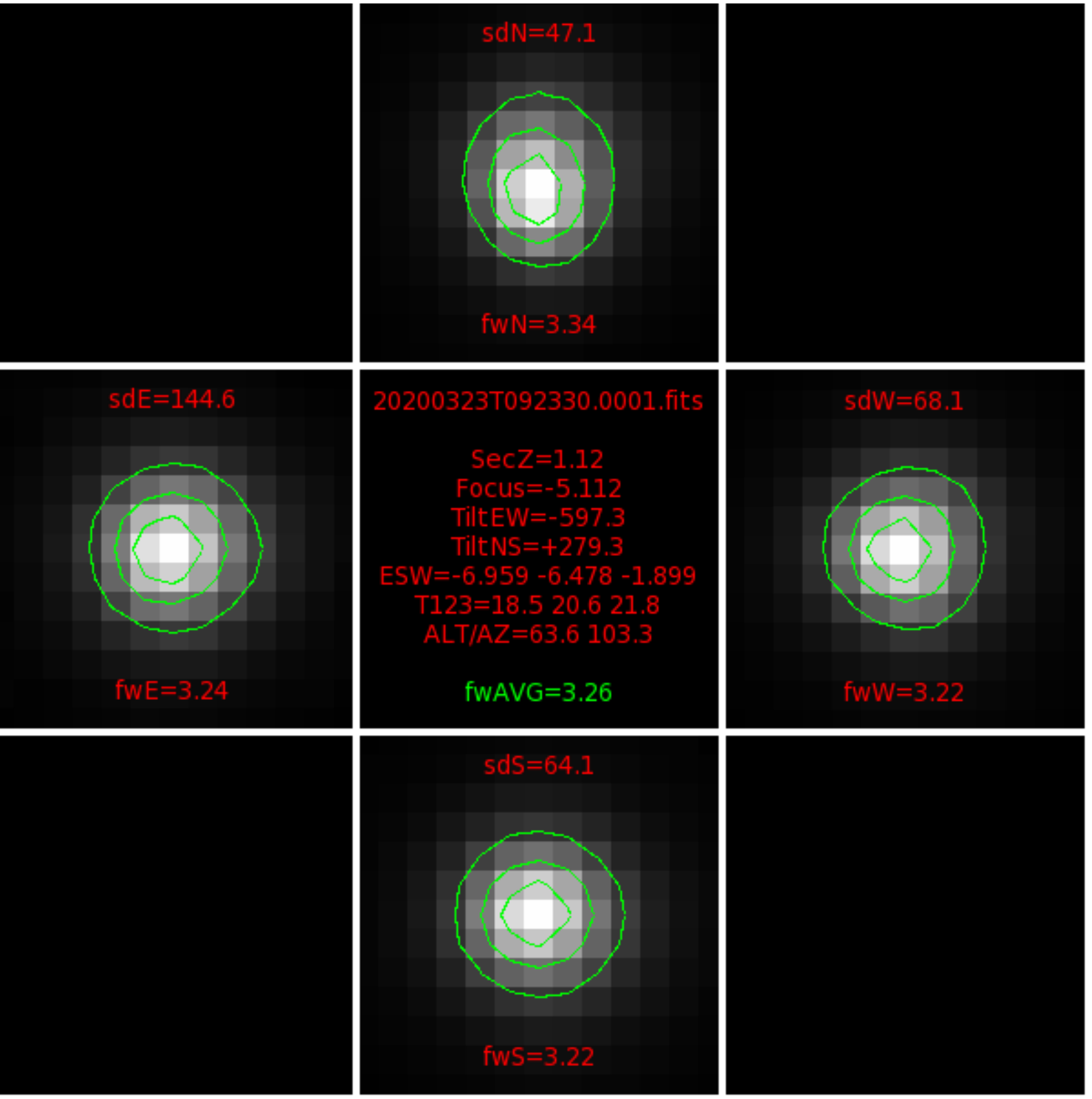

sdN=26.9
fwN=3.32
sdE=82.8
fwE=3.26
20200323T092147.0001.fits
SecZ=1.12
Focus=-5.119
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.966 -6.485 -1.906
T123=18.6 0.0 21.9
ALT/AZ=63.2 102.9
fwAVG=3.28
sdW=37.2
fwW=3.23
sdS=34.0
fwS=3.30
0 0 0 0 0 0 0 0 0


sdN=47.1
fwN=3.34
sdE=144.6
fwE=3.24
20200323T092330.0001.fits
SecZ=1.12
Focus=-5.112
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.959 -6.478 -1.899
T123=18.5 20.6 21.8
ALT/AZ=63.6 103.3
fwAVG=3.26
sdW=68.1
fwW=3.22
sdS=64.1
fwS=3.22
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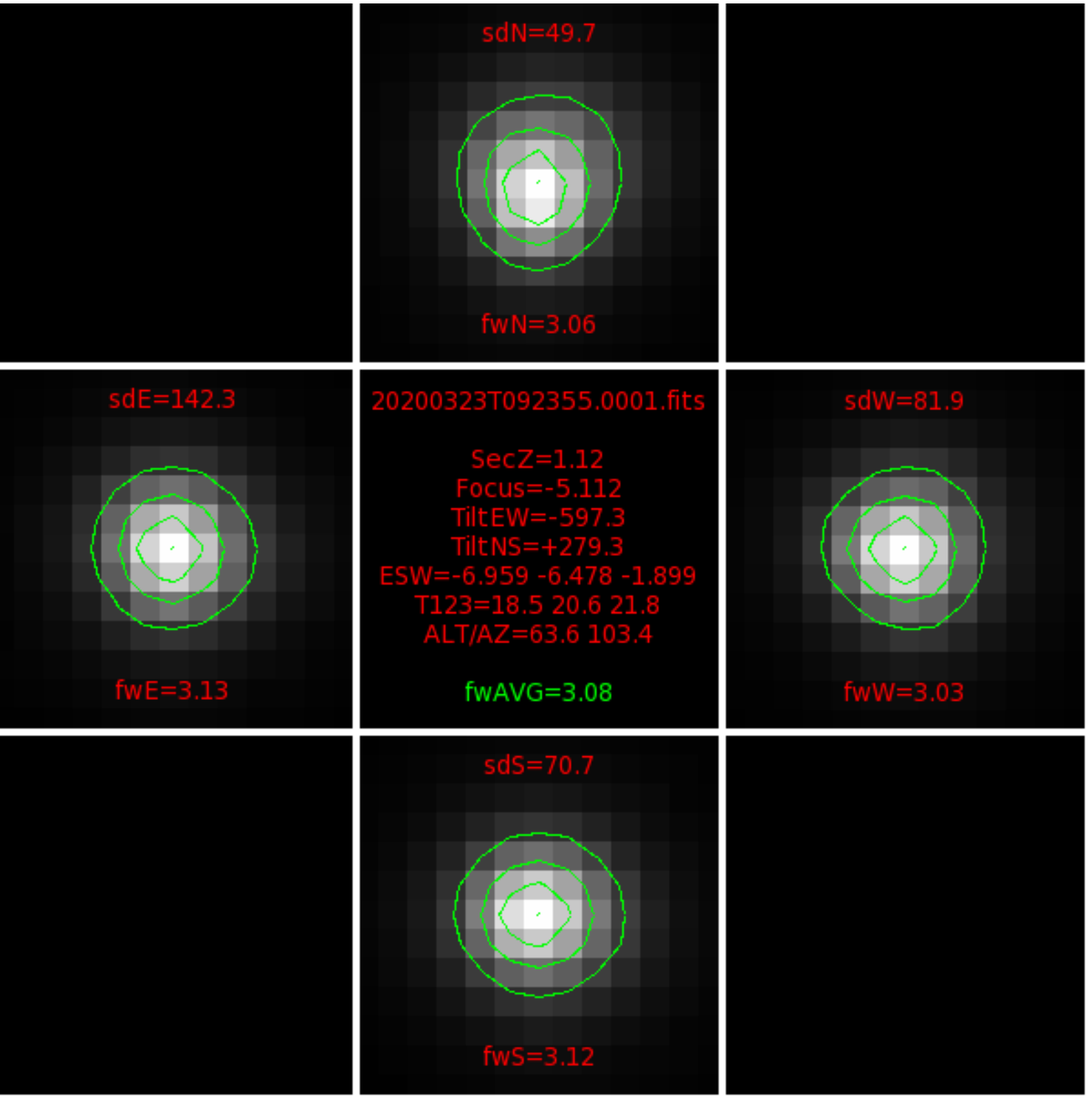
sdN=49.7
fwN=3.06
sdE=142.3
fwE=3.13
20200323T092355.0001.fits
SecZ=1.12
Focus=-5.112
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.959 -6.478 -1.899
T123=18.5 20.6 21.8
ALT/AZ=63.6 103.4
fwAVG=3.08
sdW=81.9
fwW=3.03
sdS=70.7
fwS=3.12
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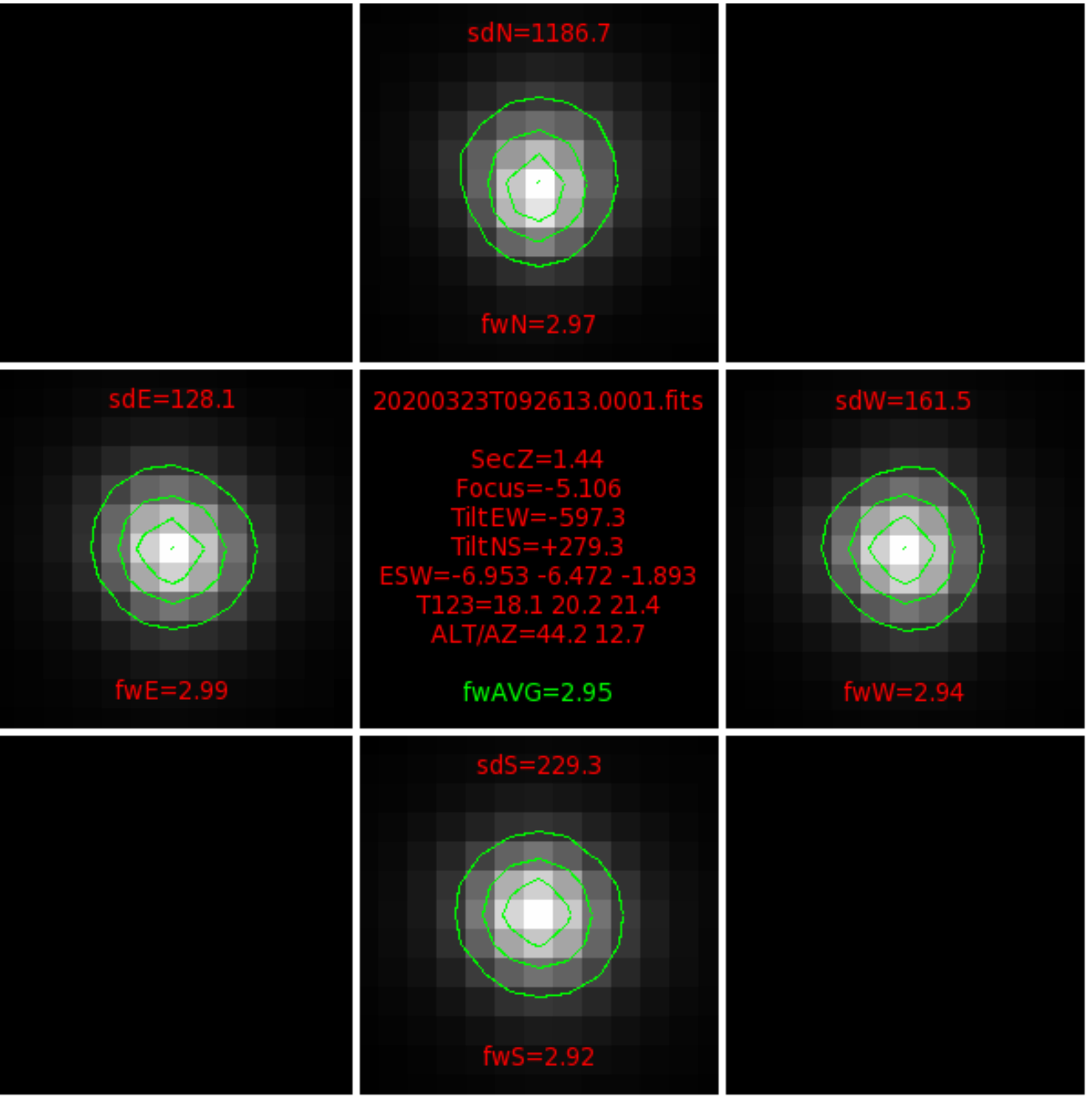
sdN=1186.7
fwN=2.97
sdE=128.1
fwE=2.99
20200323T092613.0001.fits
SecZ=1.44
Focus=-5.106
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.953 -6.472 -1.893
T123=18.1 20.2 21.4
ALT/AZ=44.2 12.7
fwAVG=2.95
sdW=161.5
fwW=2.94
sdS=229.3
fwS=2.92
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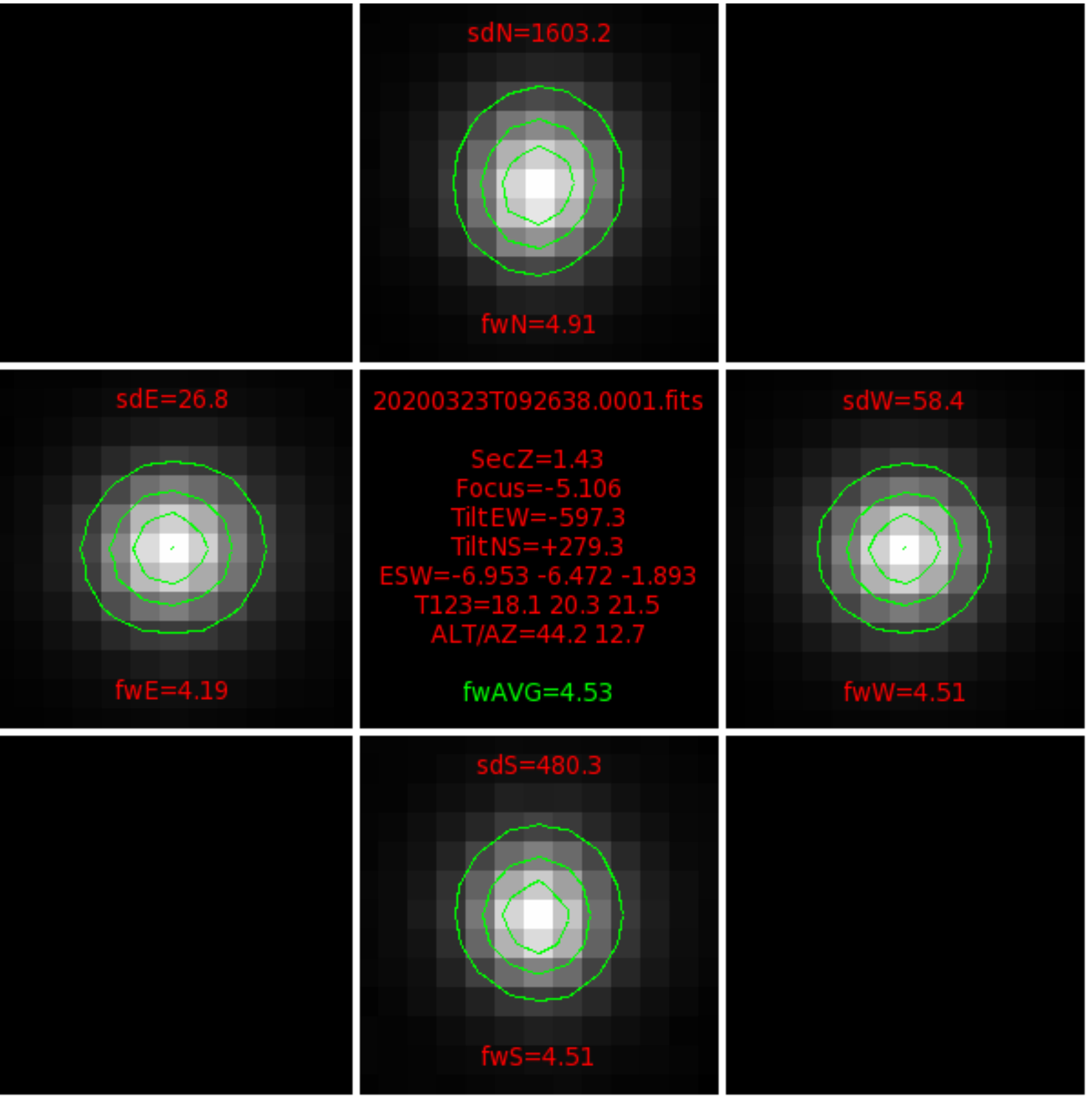
sdN=1603.2
fwN=4.91
sdE=26.8
fwE=4.19
20200323T092638.0001.fits
SecZ=1.43
Focus=-5.106
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.953 -6.472 -1.893
T123=18.1 20.3 21.5
ALT/AZ=44.2 12.7
fwAVG=4.53
sdW=58.4
fwW=4.51
sdS=480.3
fwS=4.51
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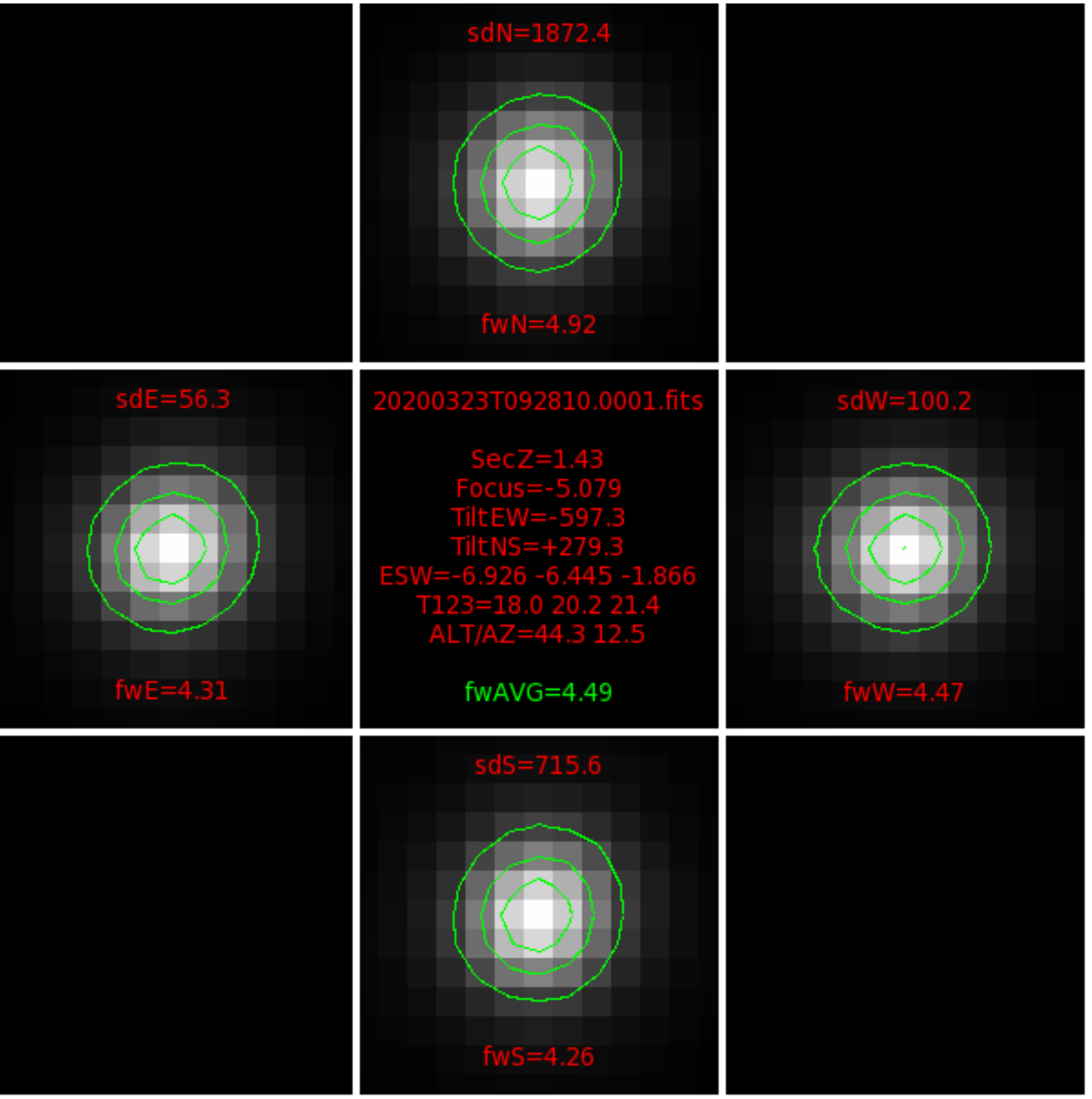
sdN=1872.4
fwN=4.92
sdE=56.3
fwE=4.31
20200323T092810.0001.fits
SecZ=1.43
Focus=-5.079
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.926 -6.445 -1.866
T123=18.0 20.2 21.4
ALT/AZ=44.3 12.5
fwAVG=4.49
sdW=100.2
fwW=4.47
sdS=715.6
fwS=4.26
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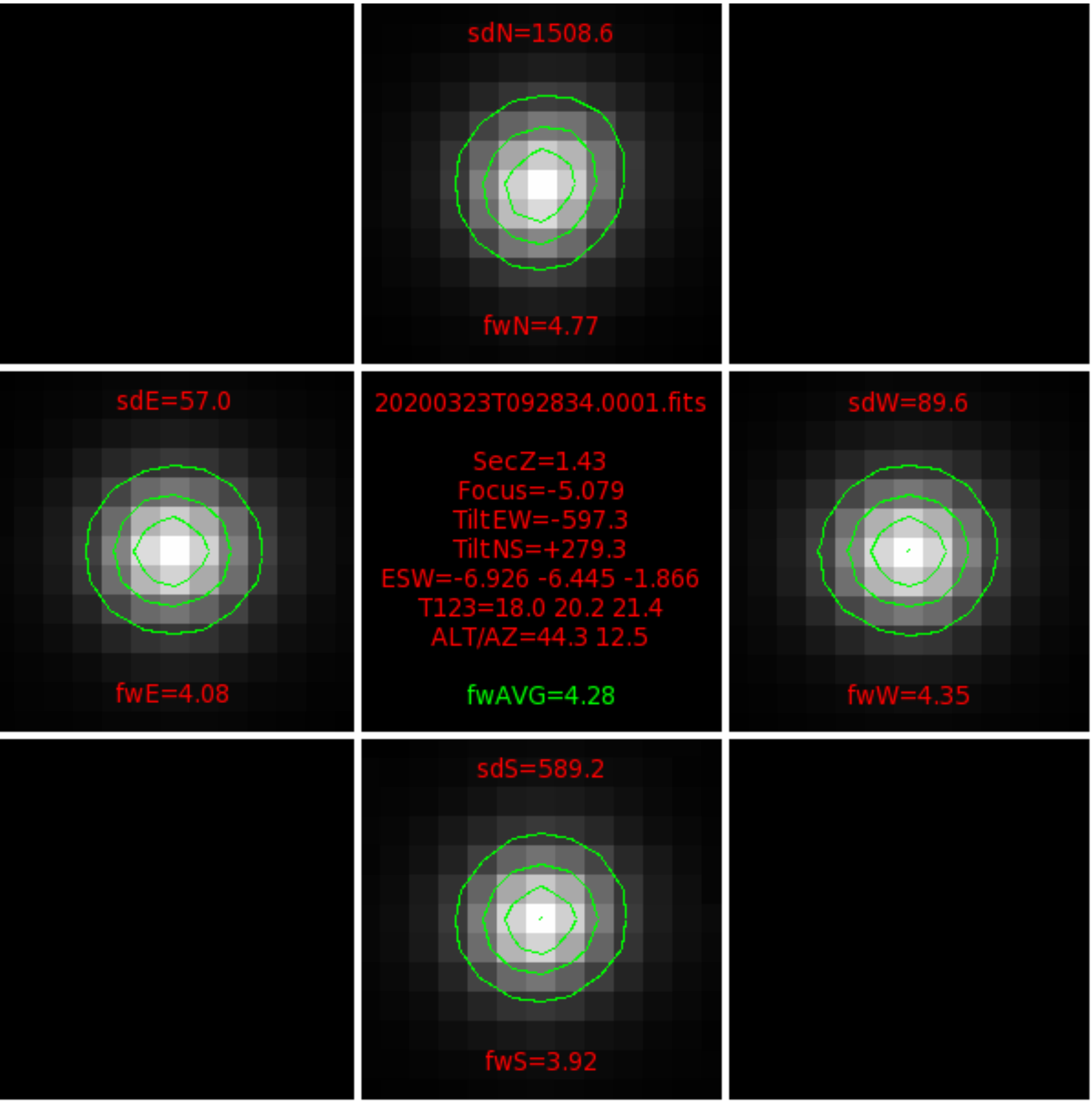
sdN=1508.6
fwN=4.77
sdE=57.0
fwE=4.08
20200323T092834.0001.fits
SecZ=1.43
Focus=-5.079
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.926 -6.445 -1.866
T123=18.0 20.2 21.4
ALT/AZ=44.3 12.5
fwAVG=4.28
sdW=89.6
fwW=4.35
sdS=589.2
fwS=3.92
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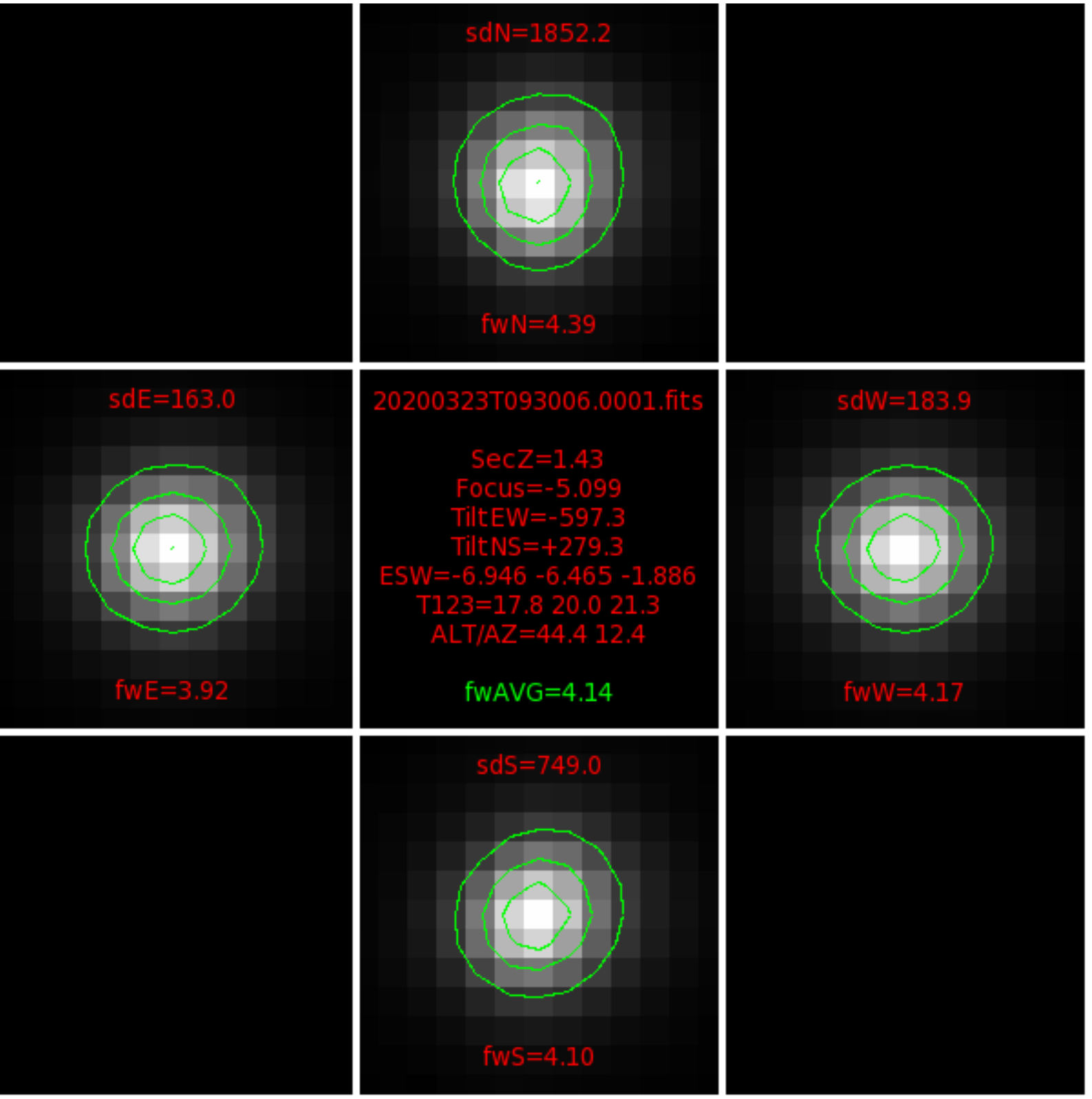
sdN=1852.2
fwN=4.39
sdE=163.0
fwE=3.92
20200323T093006.0001.fits
SecZ=1.43
Focus=-5.099
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.946 -6.465 -1.886
T123=17.8 20.0 21.3
ALT/AZ=44.4 12.4
fwAVG=4.14
sdW=183.9
fwW=4.17
sdS=749.0
fwS=4.10
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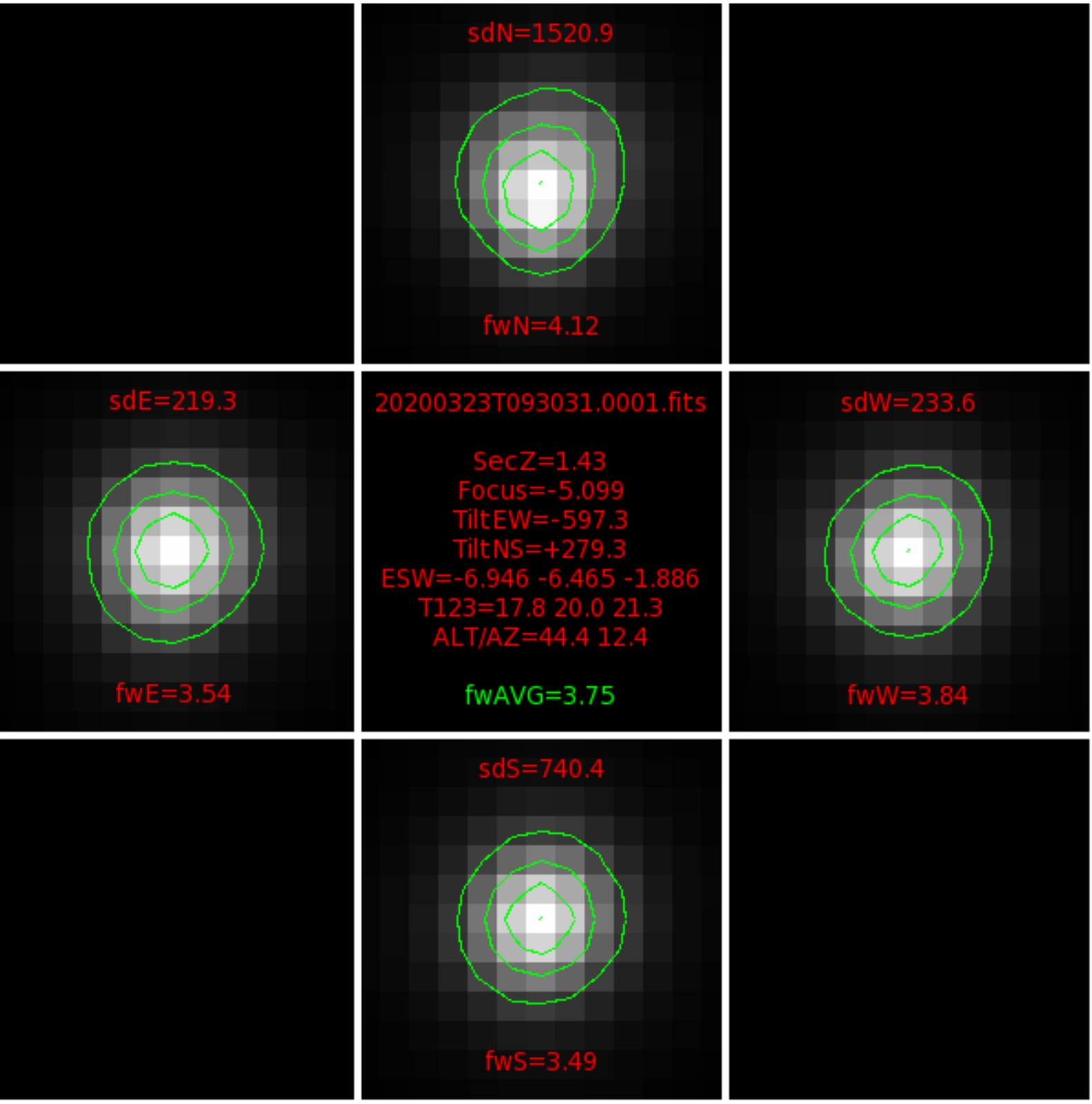
sdN=1520.9
fwN=4.12
sdE=219.3
fwE=3.54
20200323T093031.0001.fits
SecZ=1.43
Focus=-5.099
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.946 -6.465 -1.886
T123=17.8 20.0 21.3
ALT/AZ=44.4 12.4
fwAVG=3.75
sdW=233.6
fwW=3.84
sdS=740.4
fwS=3.49
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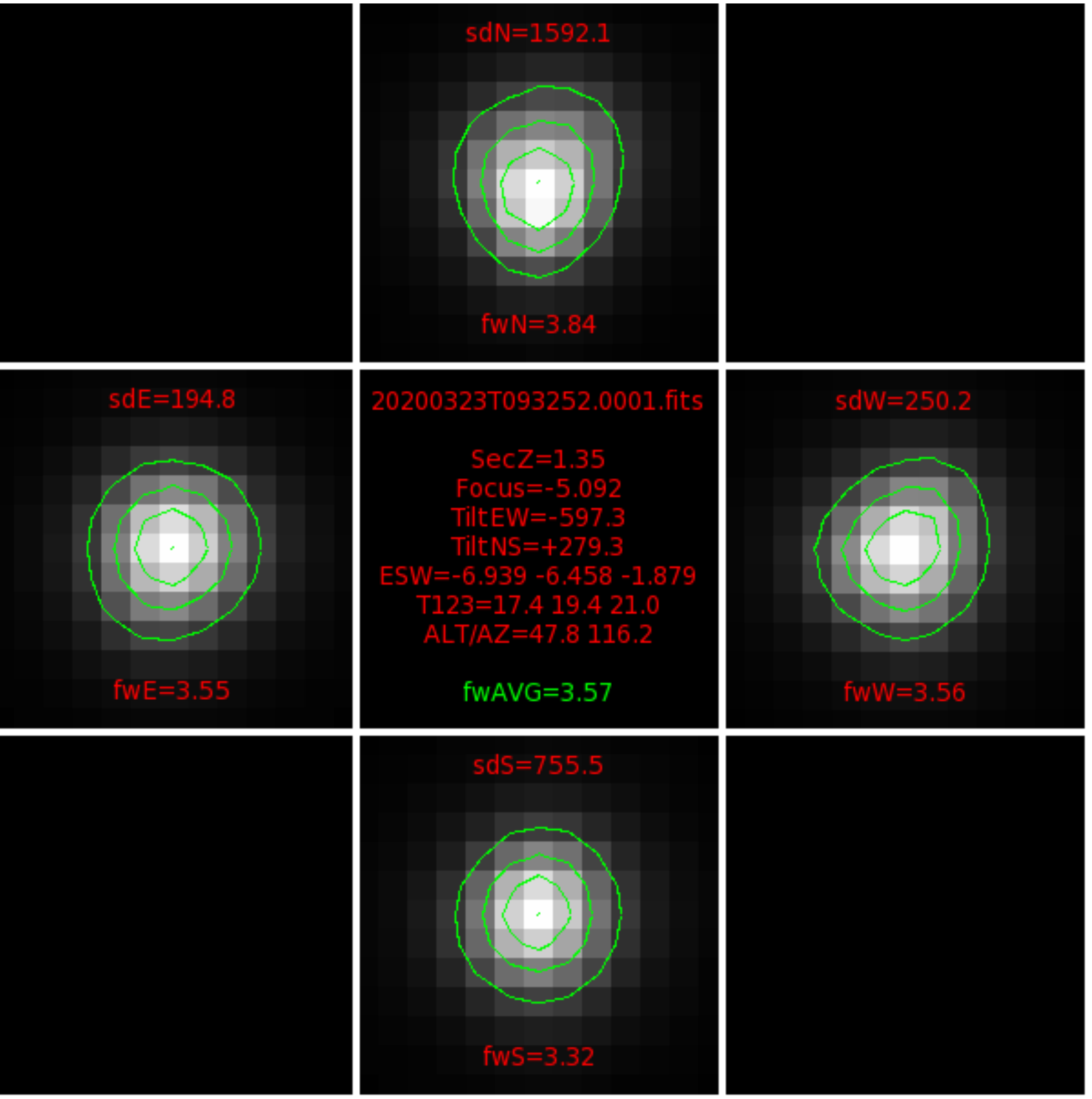
sdN=1592.1
fwN=3.84
sdE=194.8
fwE=3.55
20200323T093252.0001.fits
SecZ=1.35
Focus=-5.092
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.939 -6.458 -1.879
T123=17.4 19.4 21.0
ALT/AZ=47.8 116.2
fwAVG=3.57
sdW=250.2
fwW=3.56
sdS=755.5
fwS=3.32
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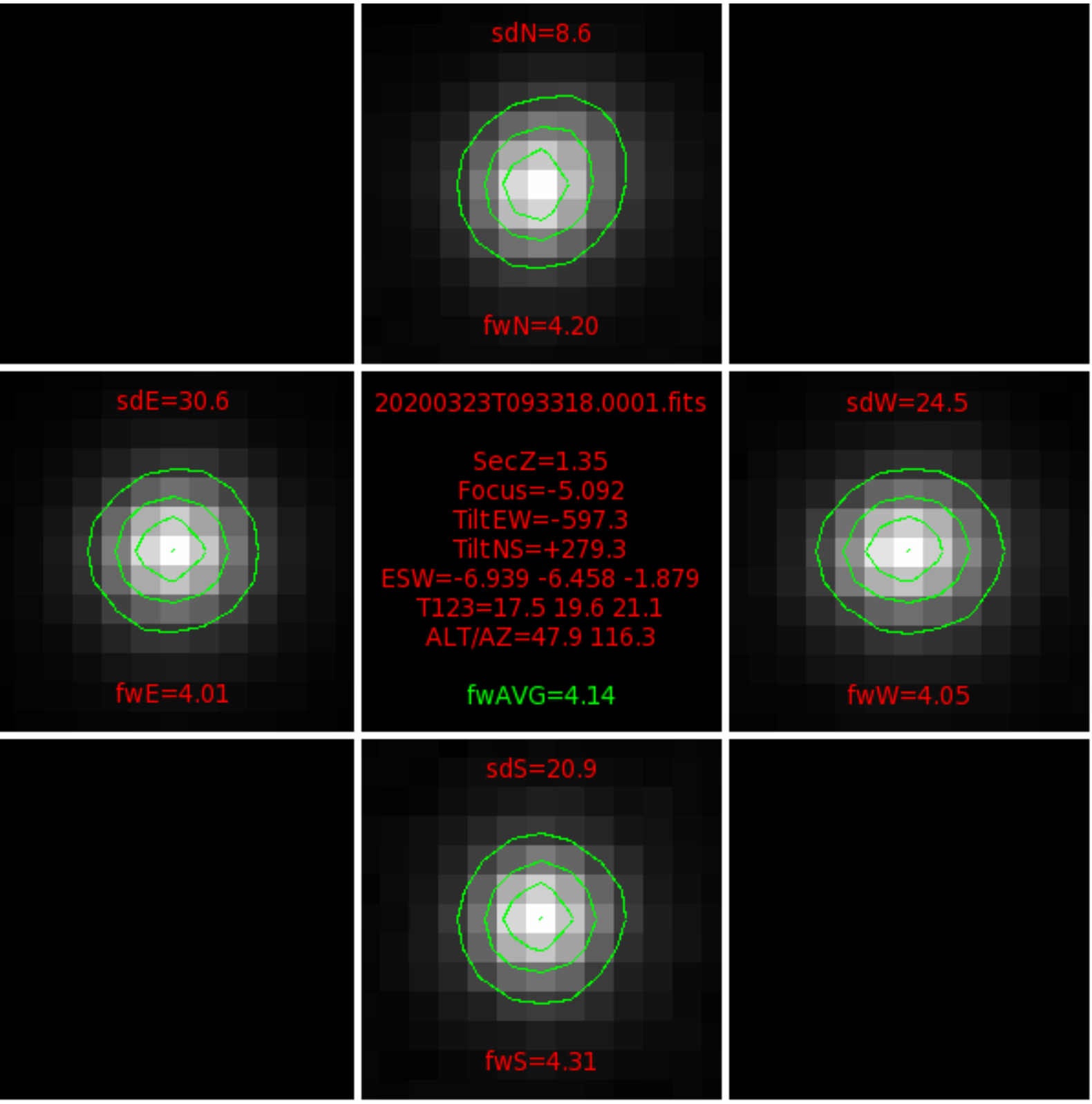
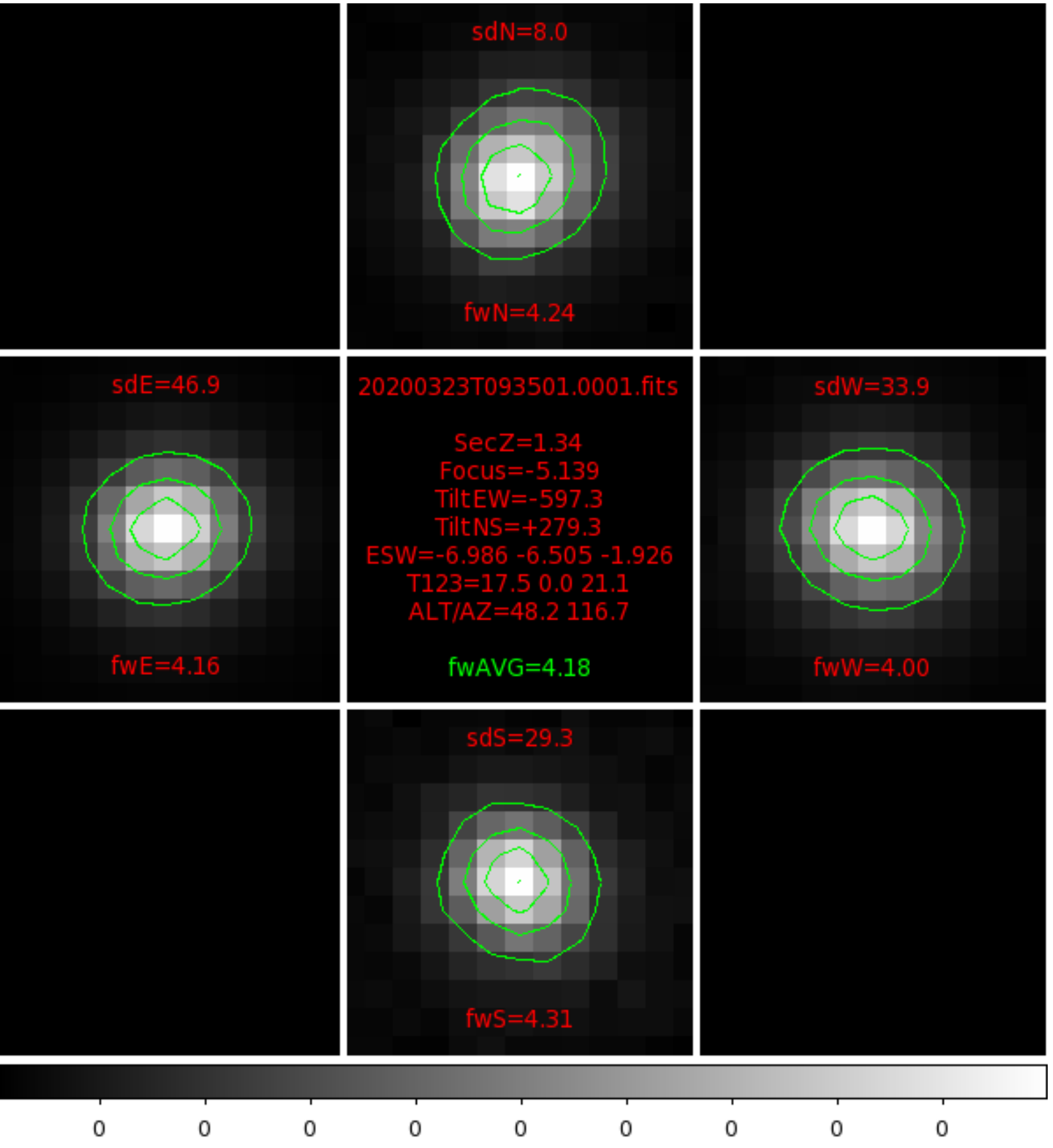

sdN=8.6
fwN=4.20
sdE=30.6
fwE=4.01
20200323T093318.0001.fits
SecZ=1.35
Focus=-5.092
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.939 -6.458 -1.879
T123=17.5 19.6 21.1
ALT/AZ=47.9 116.3
fwAVG=4.14
sdW=24.5
fwW=4.05
sdS=20.9
fwS=4.31
0 0 0 0 0 0 0 0 0


sdN=8.0
fwN=4.24
sdE=46.9
fwE=4.16
20200323T093501.0001.fits
SecZ=1.34
Focus=-5.139
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.986 -6.505 -1.926
T123=17.5 0.0 21.1
ALT/AZ=48.2 116.7
fwAVG=4.18
sdW=33.9
fwW=4.00
sdS=29.3
fwS=4.31
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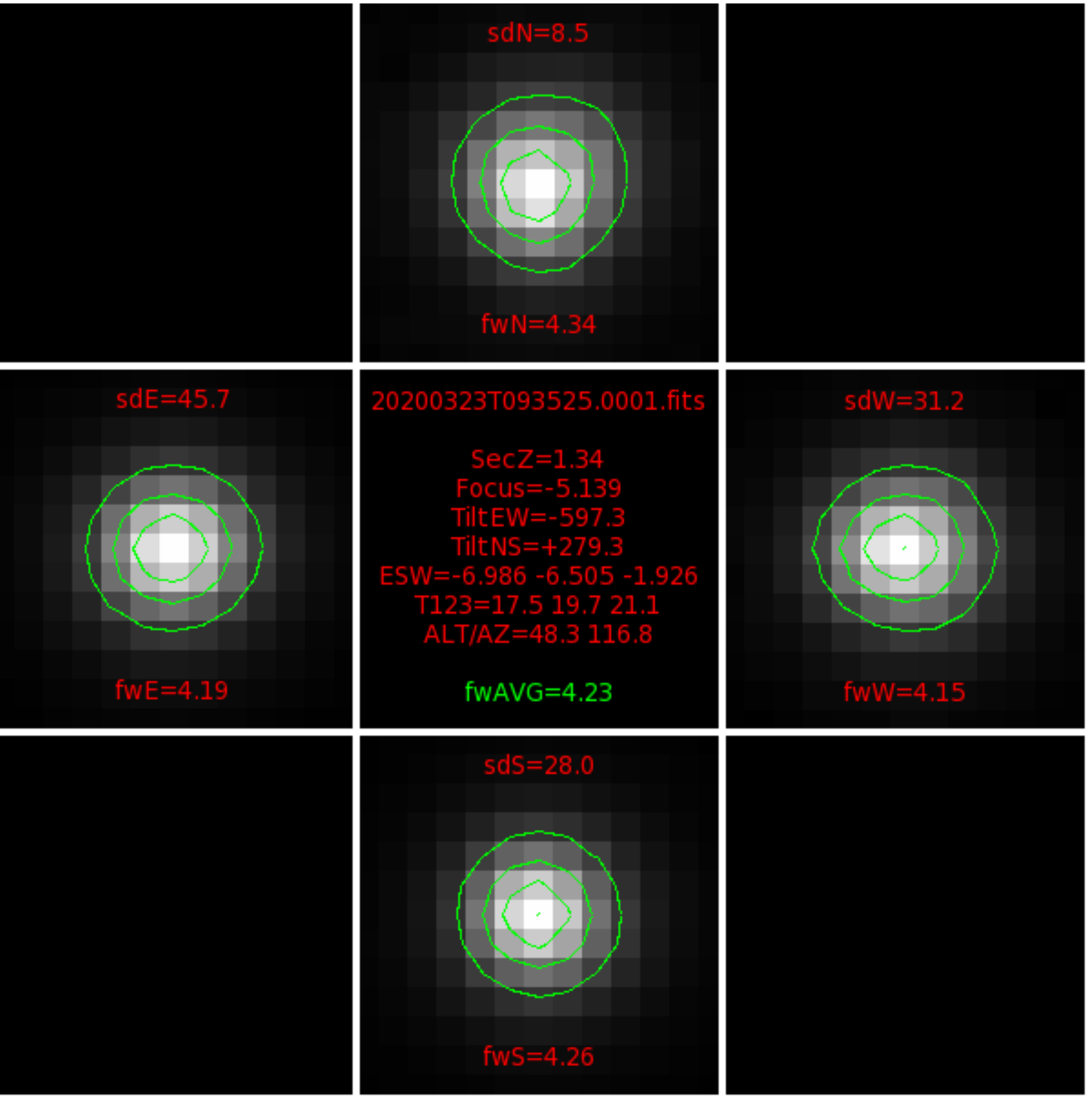
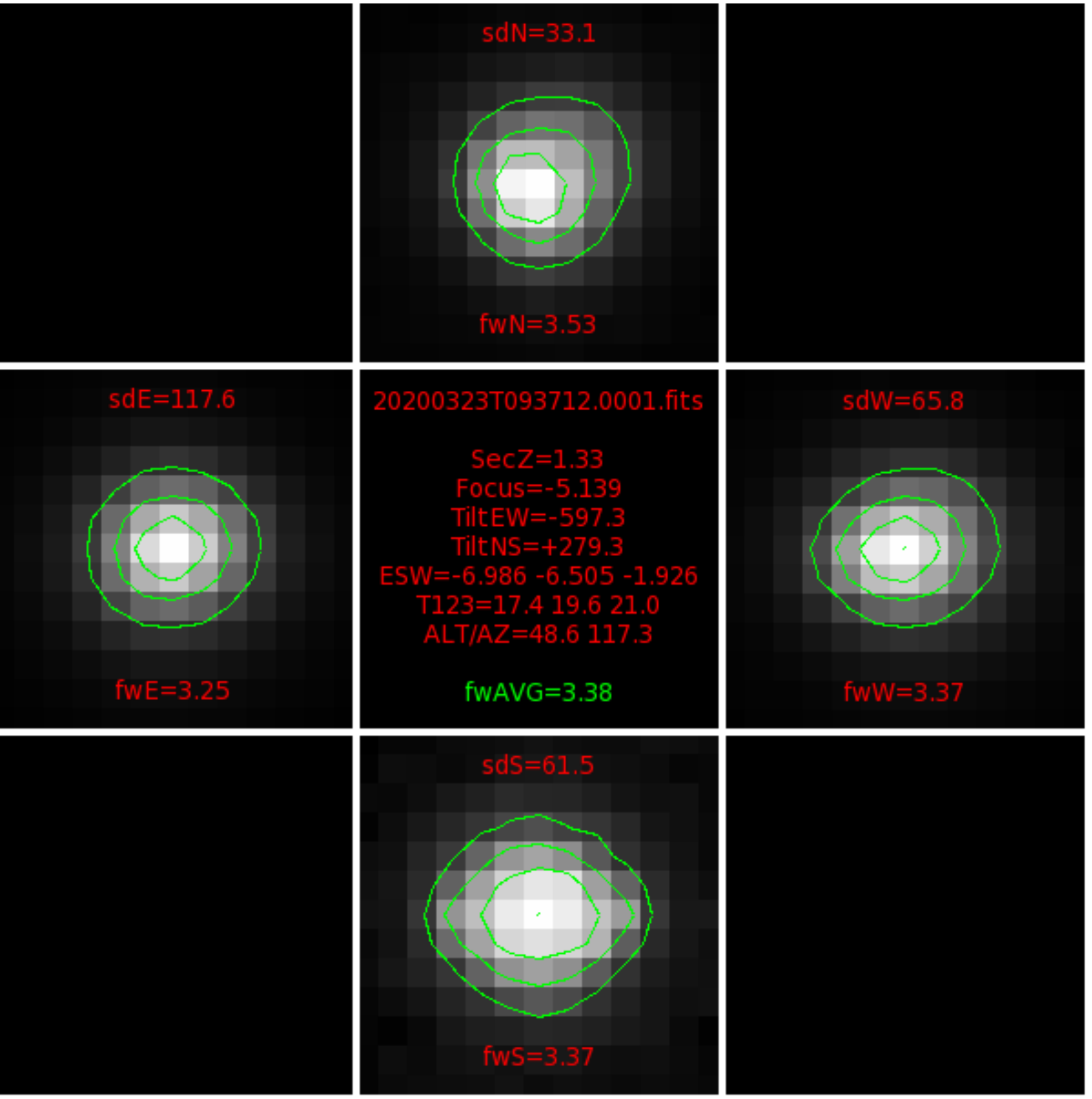

sdN=8.5
fwN=4.34
sdE=45.7
fwE=4.19
20200323T093525.0001.fits
SecZ=1.34
Focus=-5.139
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.986 -6.505 -1.926
T123=17.5 19.7 21.1
ALT/AZ=48.3 116.8
fwAVG=4.23
sdW=31.2
fwW=4.15
sdS=28.0
fwS=4.26
0 0 0 0 0 0 0 0 0


sdN=33.1
fwN=3.53
sdE=117.6
fwE=3.25
20200323T093712.0001.fits
SecZ=1.33
Focus=-5.139
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.986 -6.505 -1.926
T123=17.4 19.6 21.0
ALT/AZ=48.6 117.3
fwAVG=3.38
sdW=65.8
fwW=3.37
sdS=61.5
fwS=3.37
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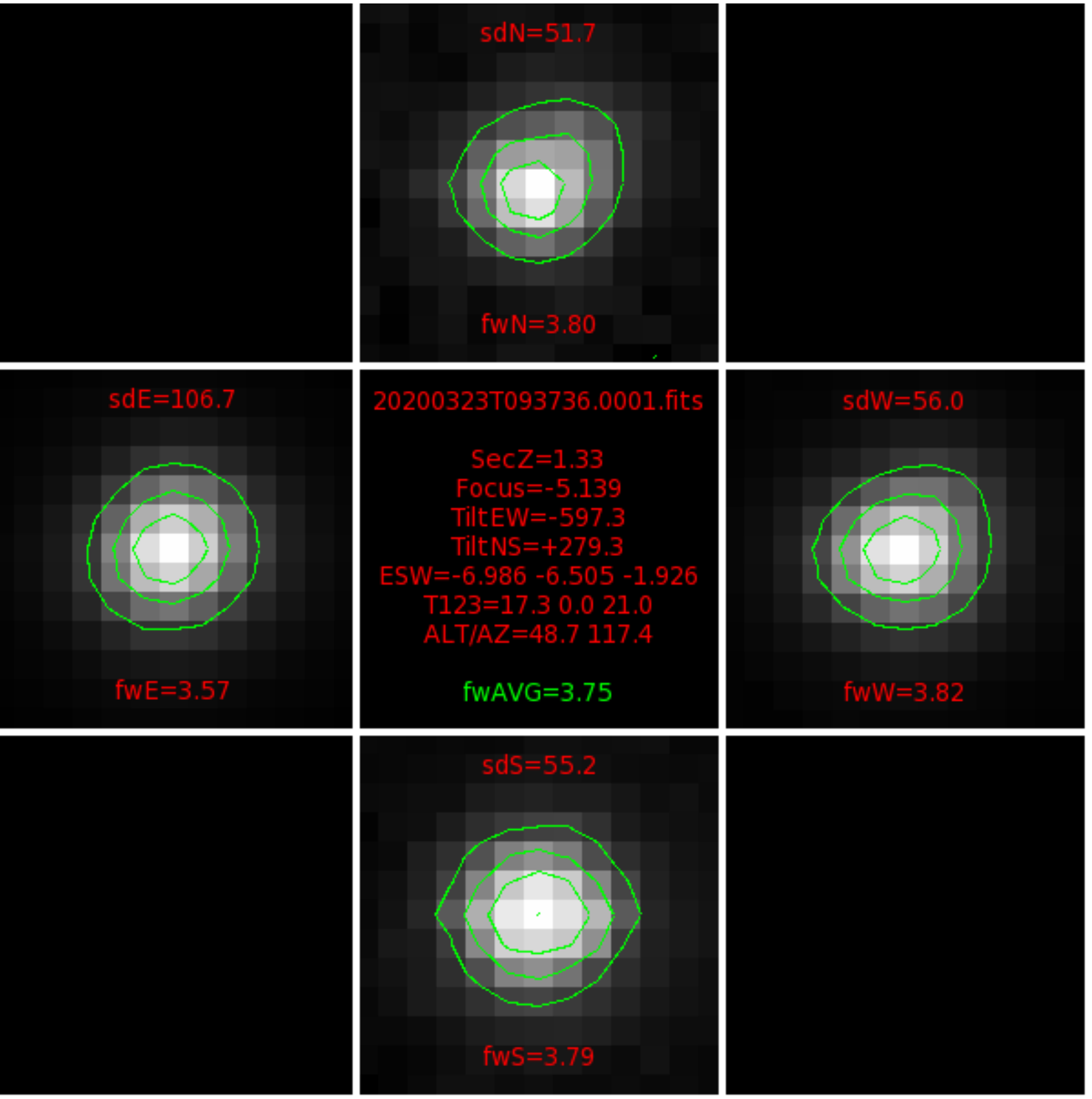
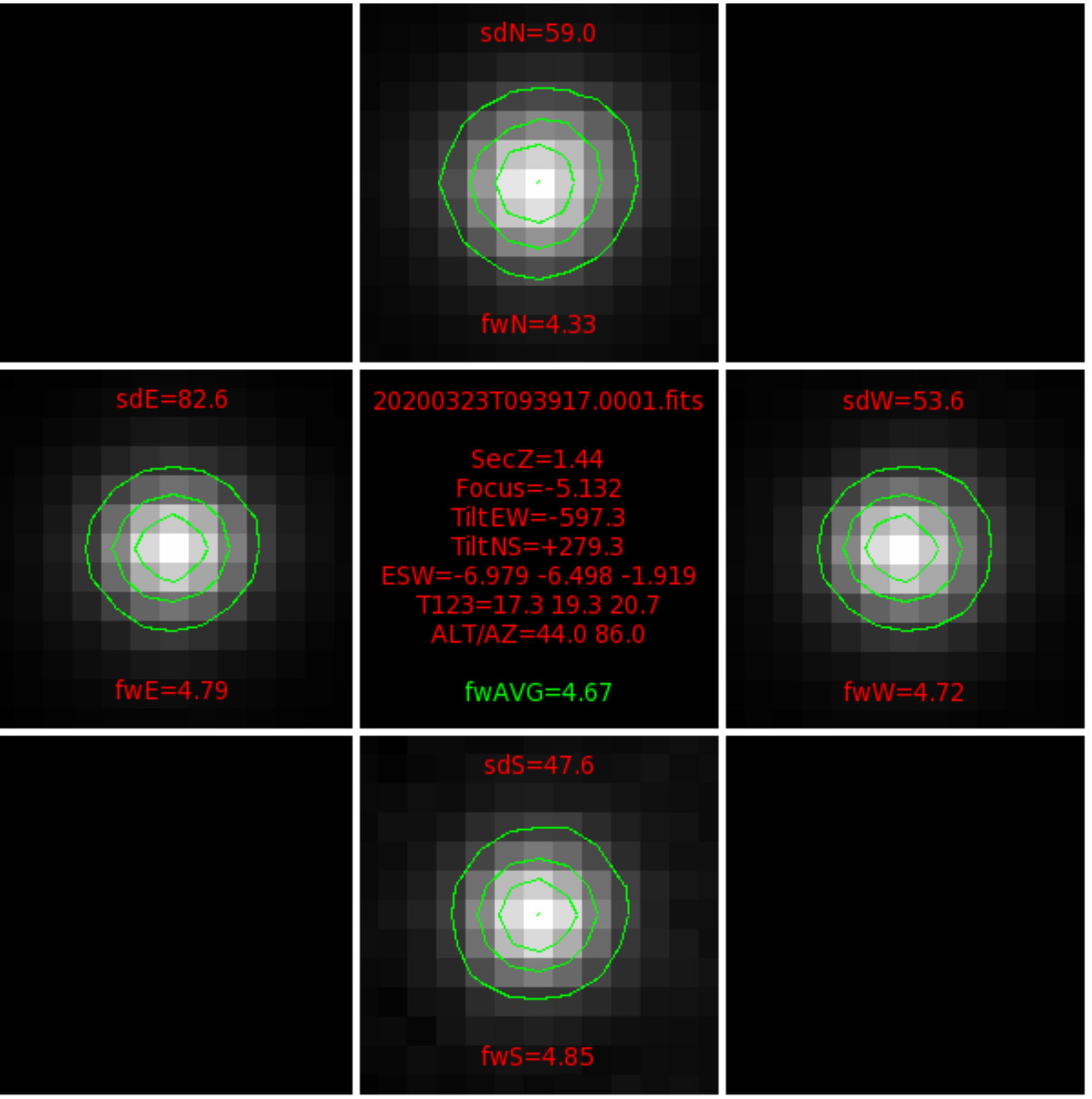

sdN=51.7
fwN=3.80
sdE=106.7
fwE=3.57
20200323T093736.0001.fits
SecZ=1.33
Focus=-5.139
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.986 -6.505 -1.926
T123=17.3 0.0 21.0
ALT/AZ=48.7 117.4
fwAVG=3.75
sdW=56.0
fwW=3.82
sdS=55.2
fwS=3.79
0 0 0 0 0 0 0 0 0


sdN=59.0
fwN=4.33
sdE=82.6
fwE=4.79
20200323T093917.0001.fits
SecZ=1.44
Focus=-5.132
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.979 -6.498 -1.919
T123=17.3 19.3 20.7
ALT/AZ=44.0 86.0
fwAVG=4.67
sdW=53.6
fwW=4.72
sdS=47.6
fwS=4.85
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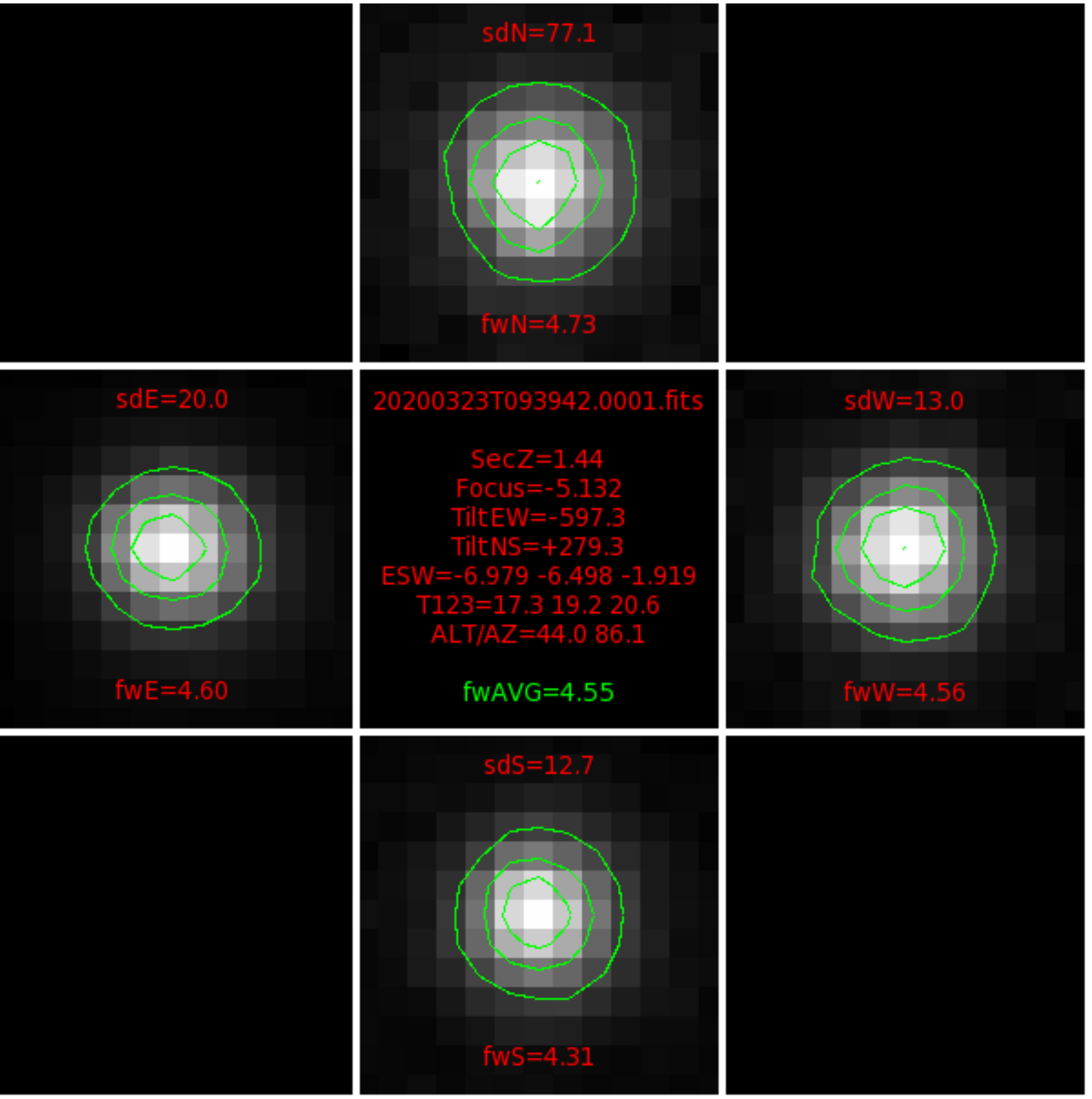
sdN=77.1
fwN=4.73
sdE=20.0
fwE=4.60
20200323T093942.0001.fits
SecZ=1.44
Focus=-5.132
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.979 -6.498 -1.919
T123=17.3 19.2 20.6
ALT/AZ=44.0 86.1
fwAVG=4.55
sdW=13.0
fwW=4.56
sdS=12.7
fwS=4.31
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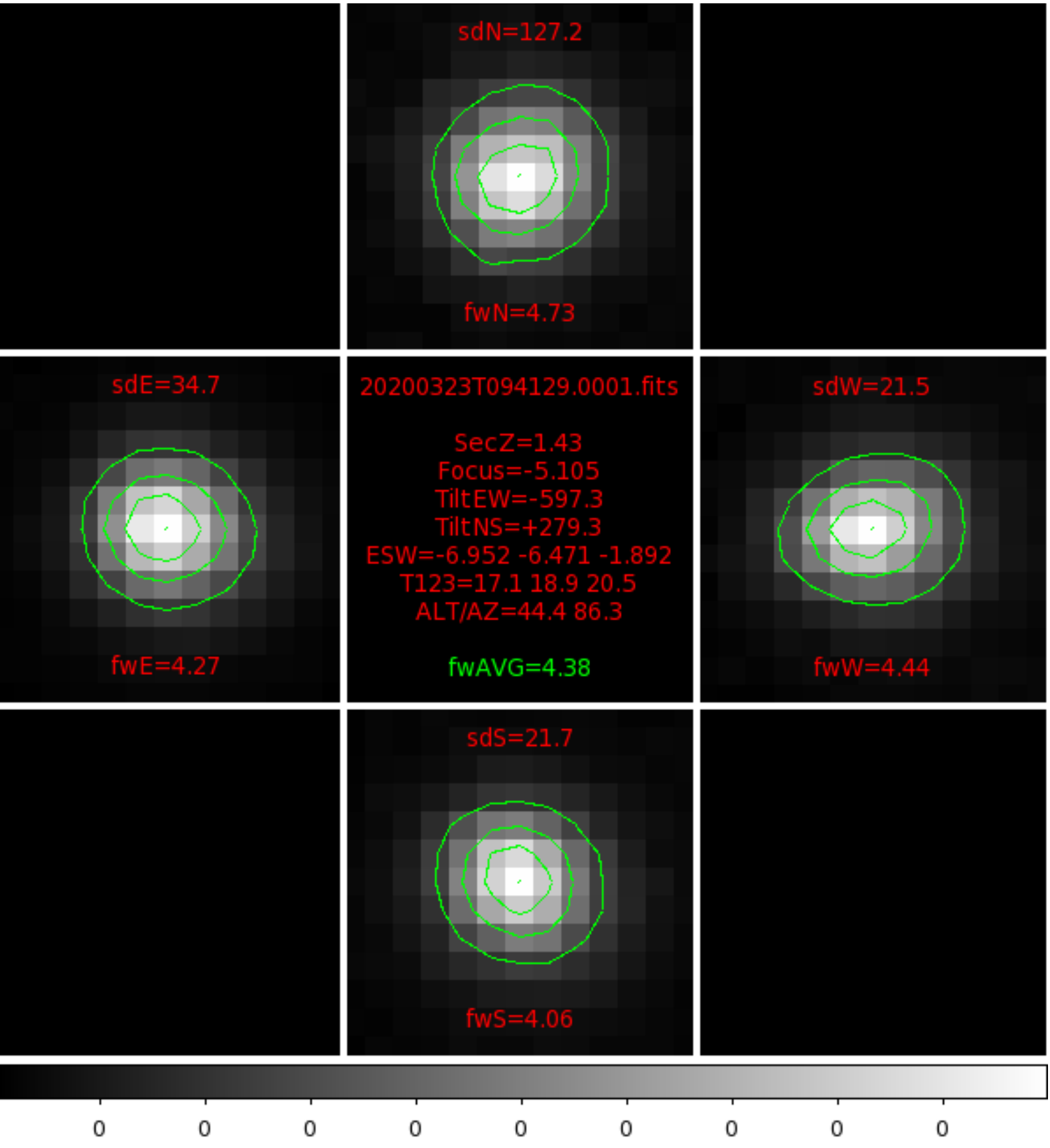
sdN=127.2
fwN=4.73
sdE=34.7
fwE=4.27
20200323T094129.0001.fits
SecZ=1.43
Focus=-5.105
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.952 -6.471 -1.892
T123=17.1 18.9 20.5
ALT/AZ=44.4 86.3
fwAVG=4.38
sdW=21.5
fwW=4.44
sdS=21.7
fwS=4.06
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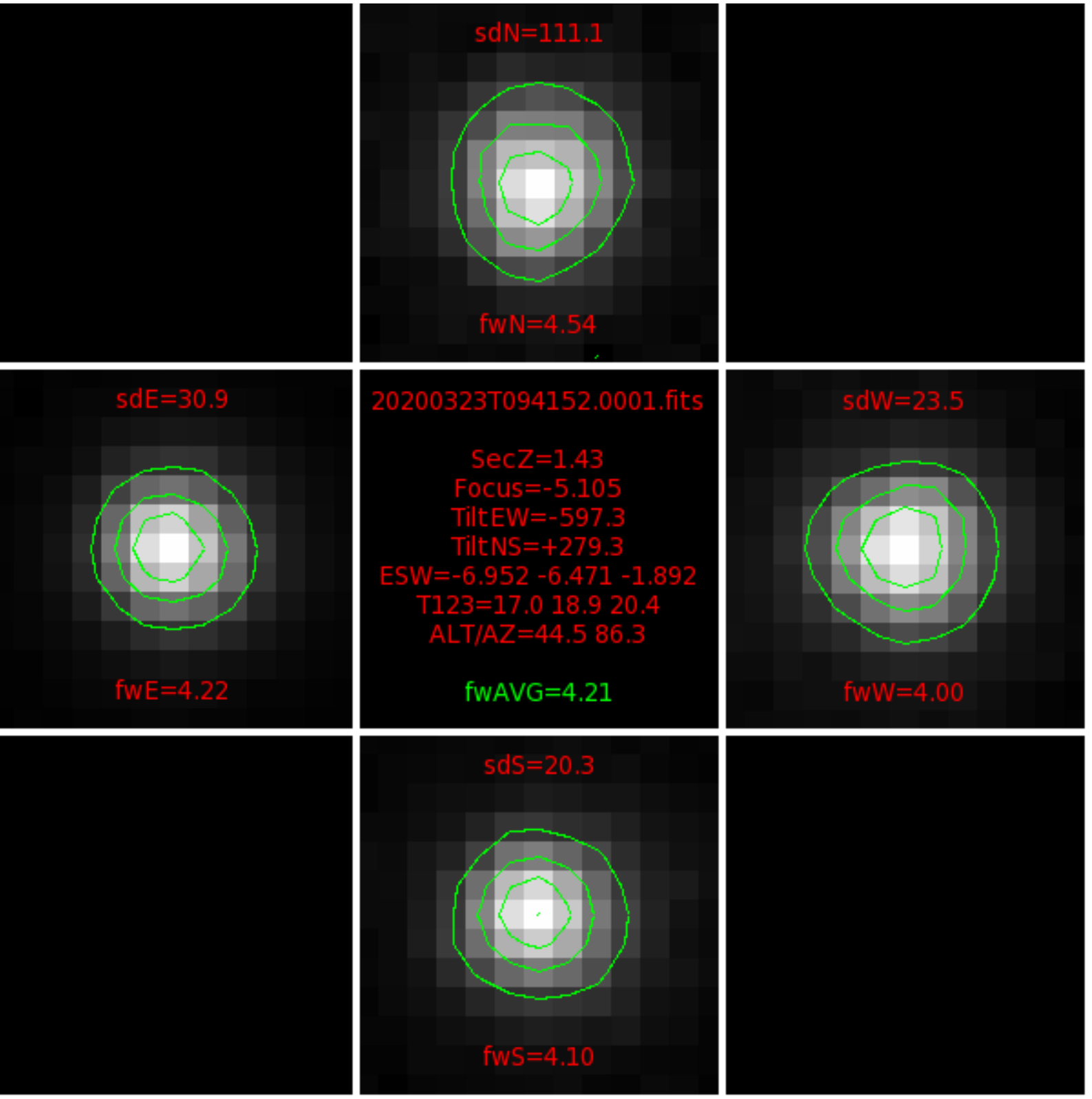
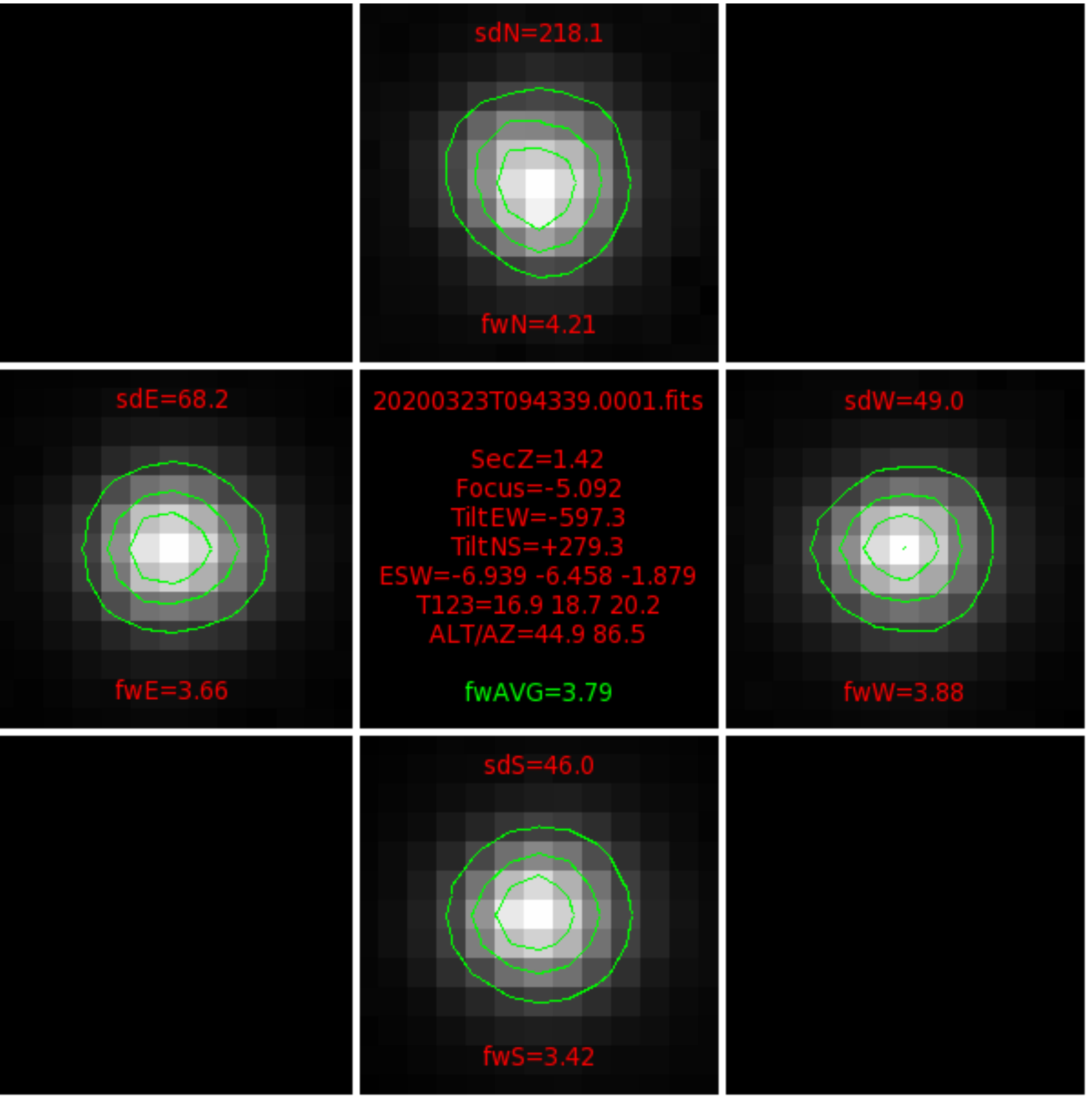

sdN=111.1
fwN=4.54
sdE=30.9
fwE=4.22
20200323T094152.0001.fits
SecZ=1.43
Focus=-5.105
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.952 -6.471 -1.892
T123=17.0 18.9 20.4
ALT/AZ=44.5 86.3
fwAVG=4.21
sdW=23.5
fwW=4.00
sdS=20.3
fwS=4.10
0 0 0 0 0 0 0 0 0


sdN=218.1
fwN=4.21
sdE=68.2
fwE=3.66
20200323T094339.0001.fits
SecZ=1.42
Focus=-5.092
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.939 -6.458 -1.879
T123=16.9 18.7 20.2
ALT/AZ=44.9 86.5
fwAVG=3.79
sdW=49.0
fwW=3.88
sdS=46.0
fwS=3.42
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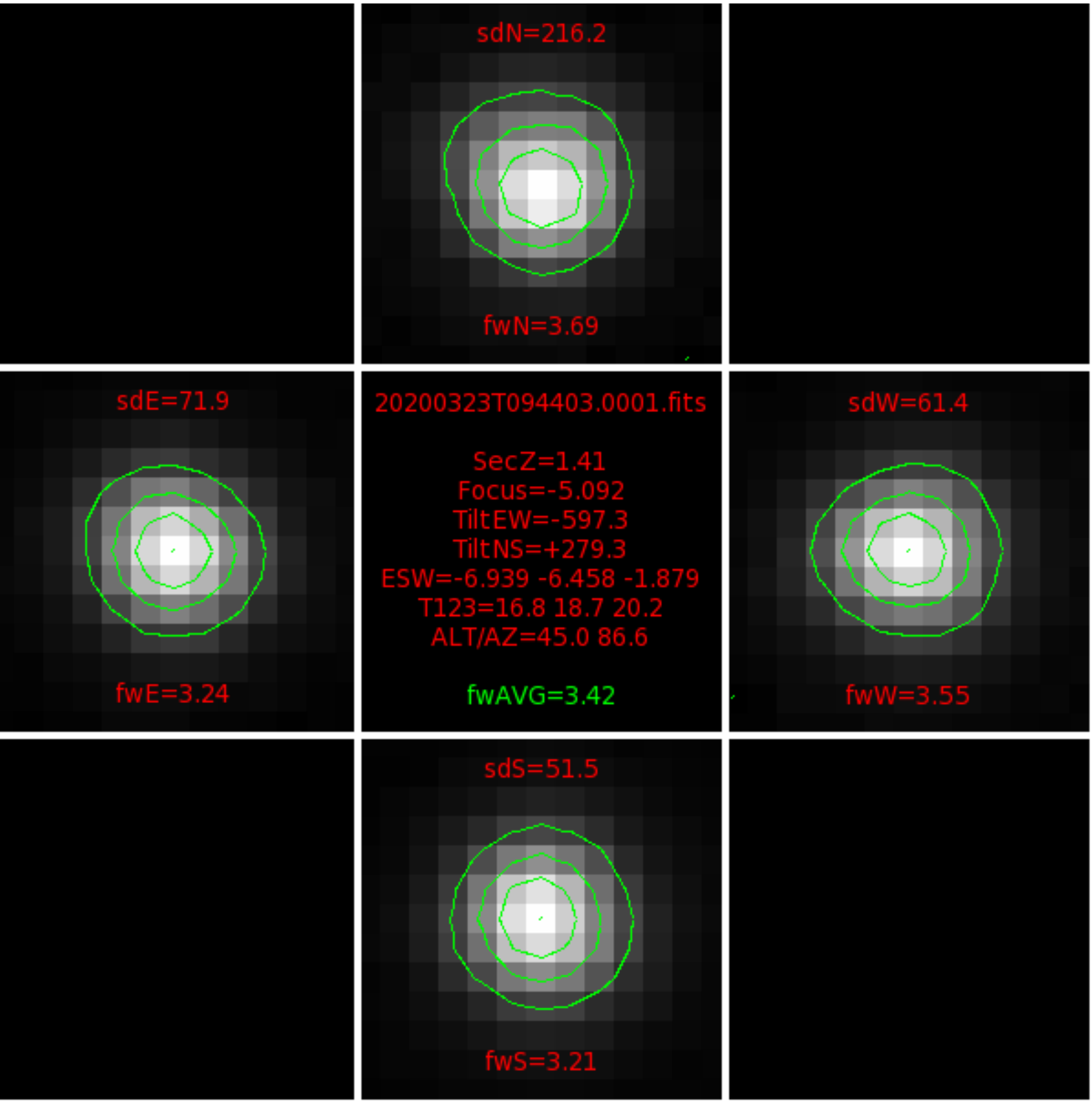
sdN=216.2
fwN=3.69
sdE=71.9
fwE=3.24
20200323T094403.0001.fits
SecZ=1.41
Focus=-5.092
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.939 -6.458 -1.879
T123=16.8 18.7 20.2
ALT/AZ=45.0 86.6
fwAVG=3.42
sdW=61.4
fwW=3.55
sdS=51.5
fwS=3.21
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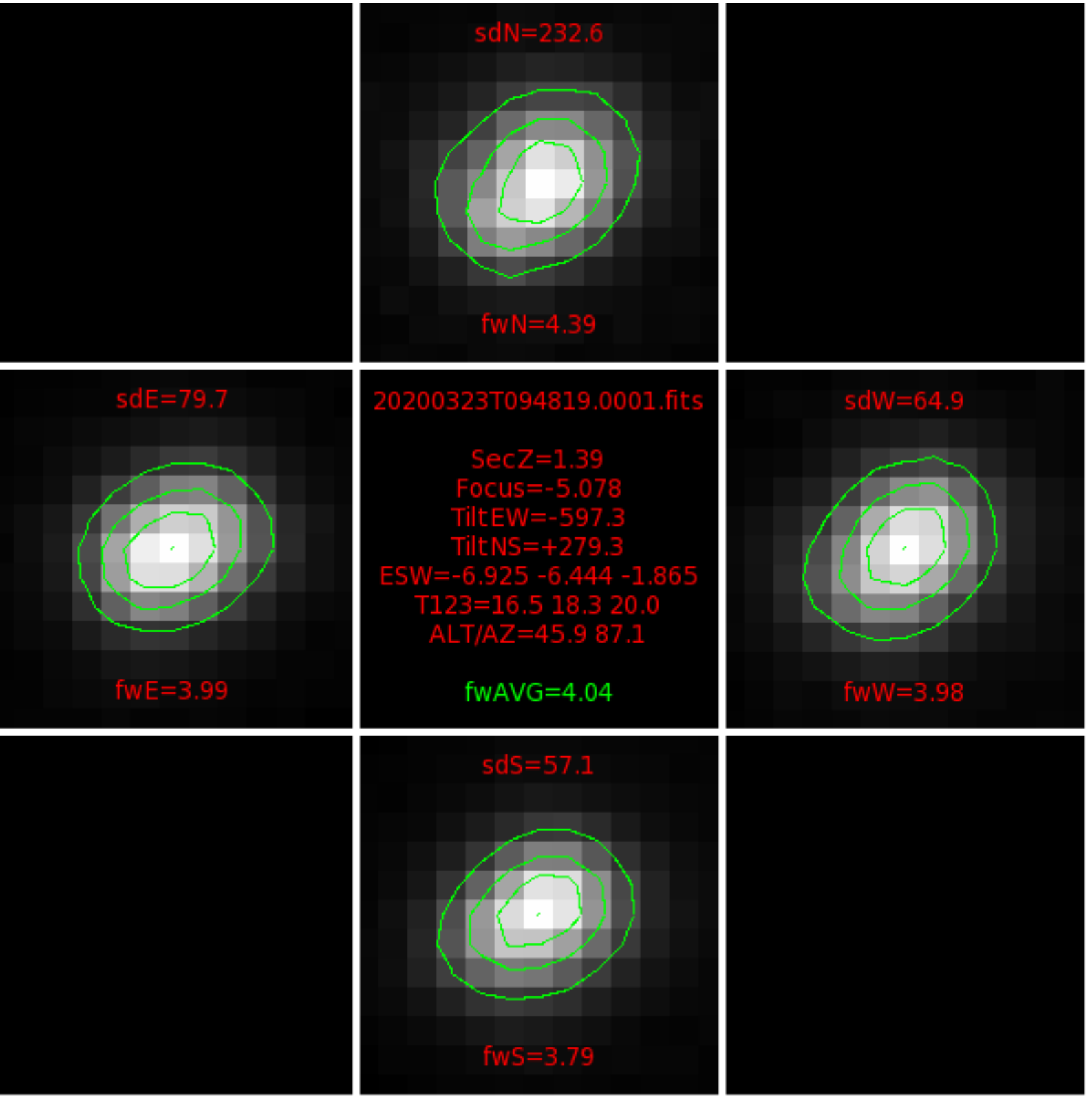
sdN=232.6
fwN=4.39
sdE=79.7
fwE=3.99
20200323T094819.0001.fits
SecZ=1.39
Focus=-5.078
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.925 -6.444 -1.865
T123=16.5 18.3 20.0
ALT/AZ=45.9 87.1
fwAVG=4.04
sdW=64.9
fwW=3.98
sdS=57.1
fwS=3.79
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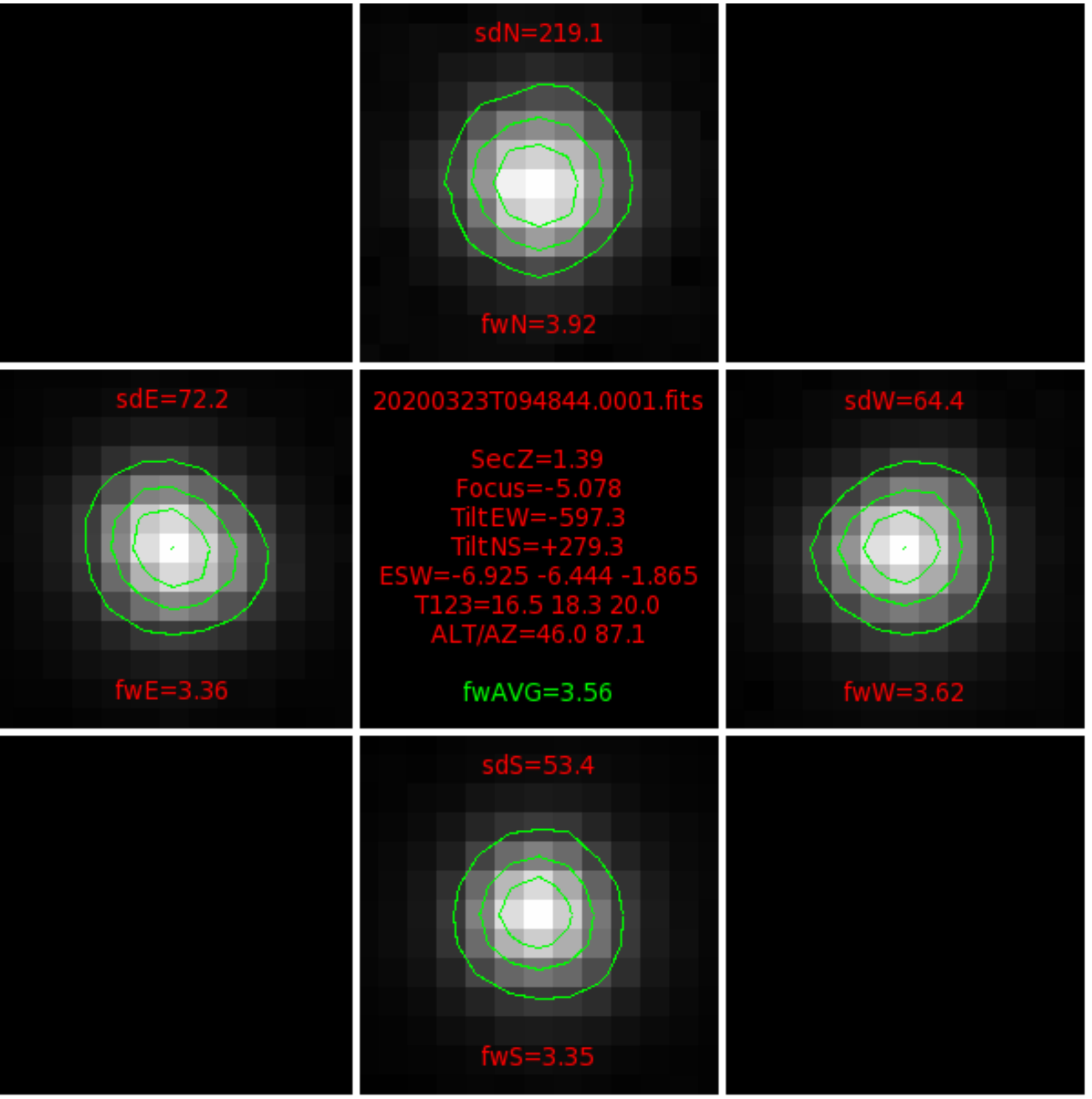
sdN=219.1
fwN=3.92
sdE=72.2
fwE=3.36
20200323T094844.0001.fits
SecZ=1.39
Focus=-5.078
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.925 -6.444 -1.865
T123=16.5 18.3 20.0
ALT/AZ=46.0 87.1
fwAVG=3.56
sdW=64.4
fwW=3.62
sdS=53.4
fwS=3.35
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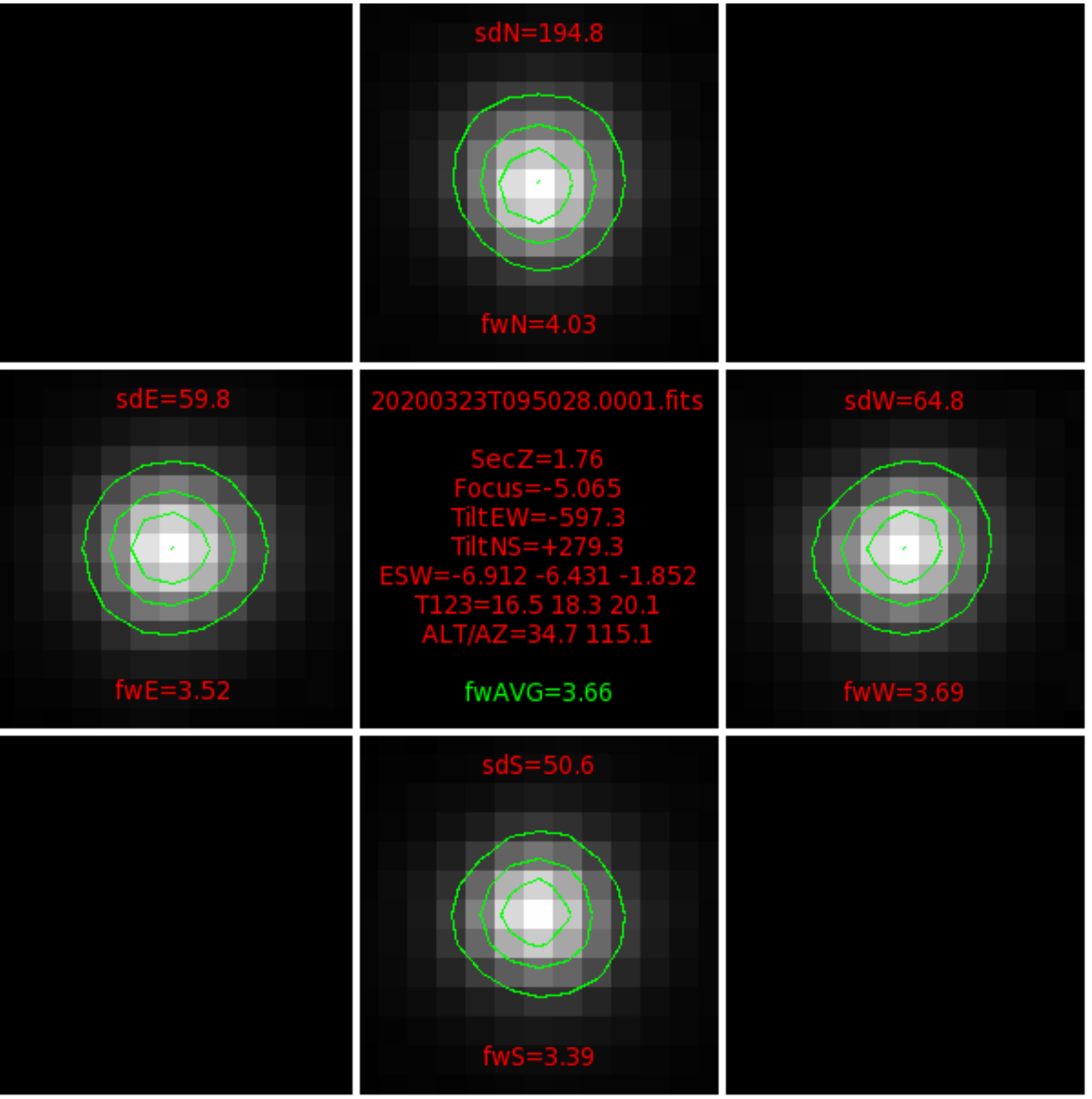
sdN=194.8
fwN=4.03
sdE=59.8
fwE=3.52
20200323T095028.0001.fits
SecZ=1.76
Focus=-5.065
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.912 -6.431 -1.852
T123=16.5 18.3 20.1
ALT/AZ=34.7 115.1
fwAVG=3.66
sdW=64.8
fwW=3.69
sdS=50.6
fwS=3.39
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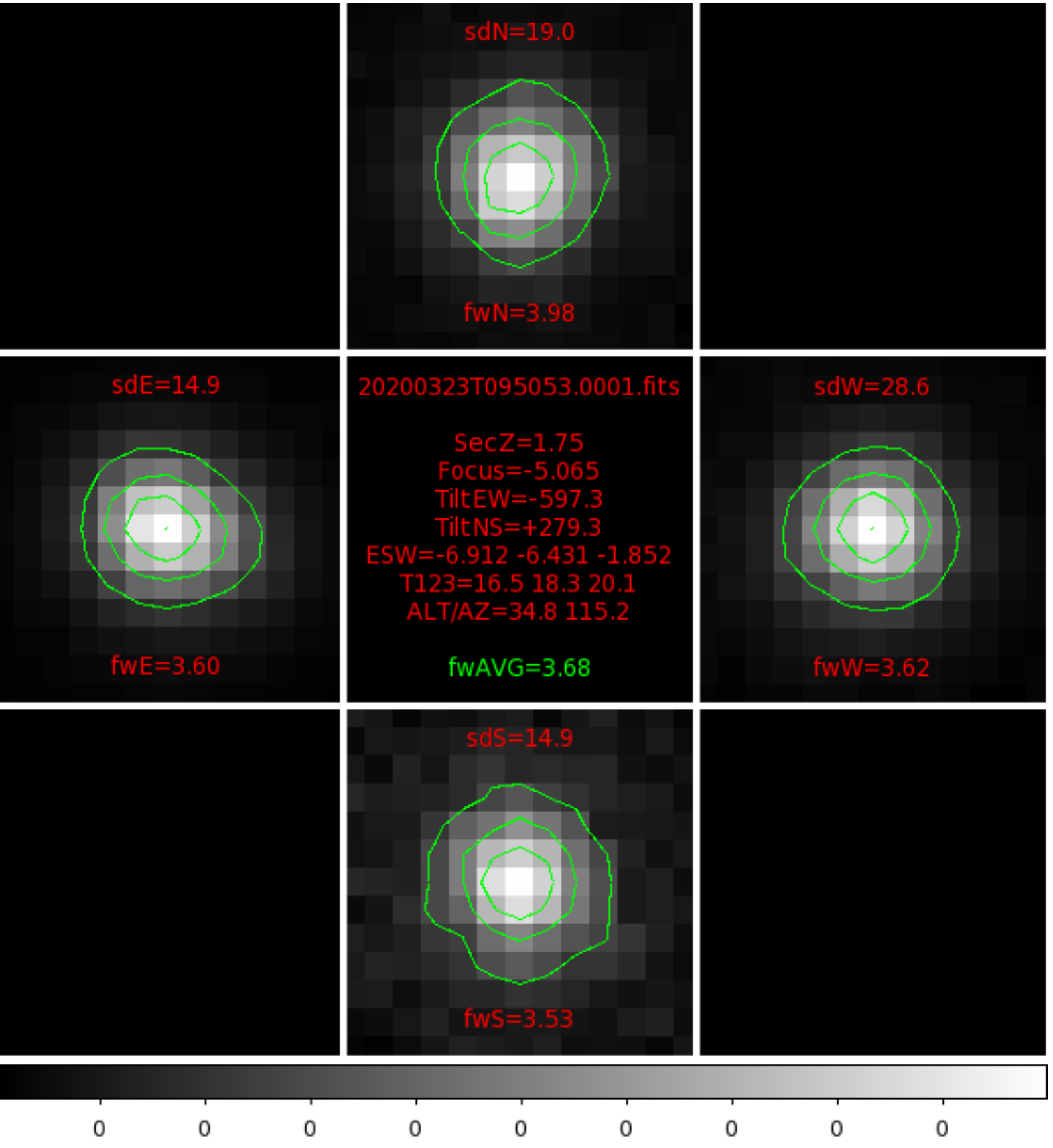
sdN=19.0
fwN=3.98
sdE=14.9
fwE=3.60
20200323T095053.0001.fits
SecZ=1.75
Focus=-5.065
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.912 -6.431 -1.852
T123=16.5 18.3 20.1
ALT/AZ=34.8 115.2
fwAVG=3.68
sdW=28.6
fwW=3.62
sdS=14.9
fwS=3.53
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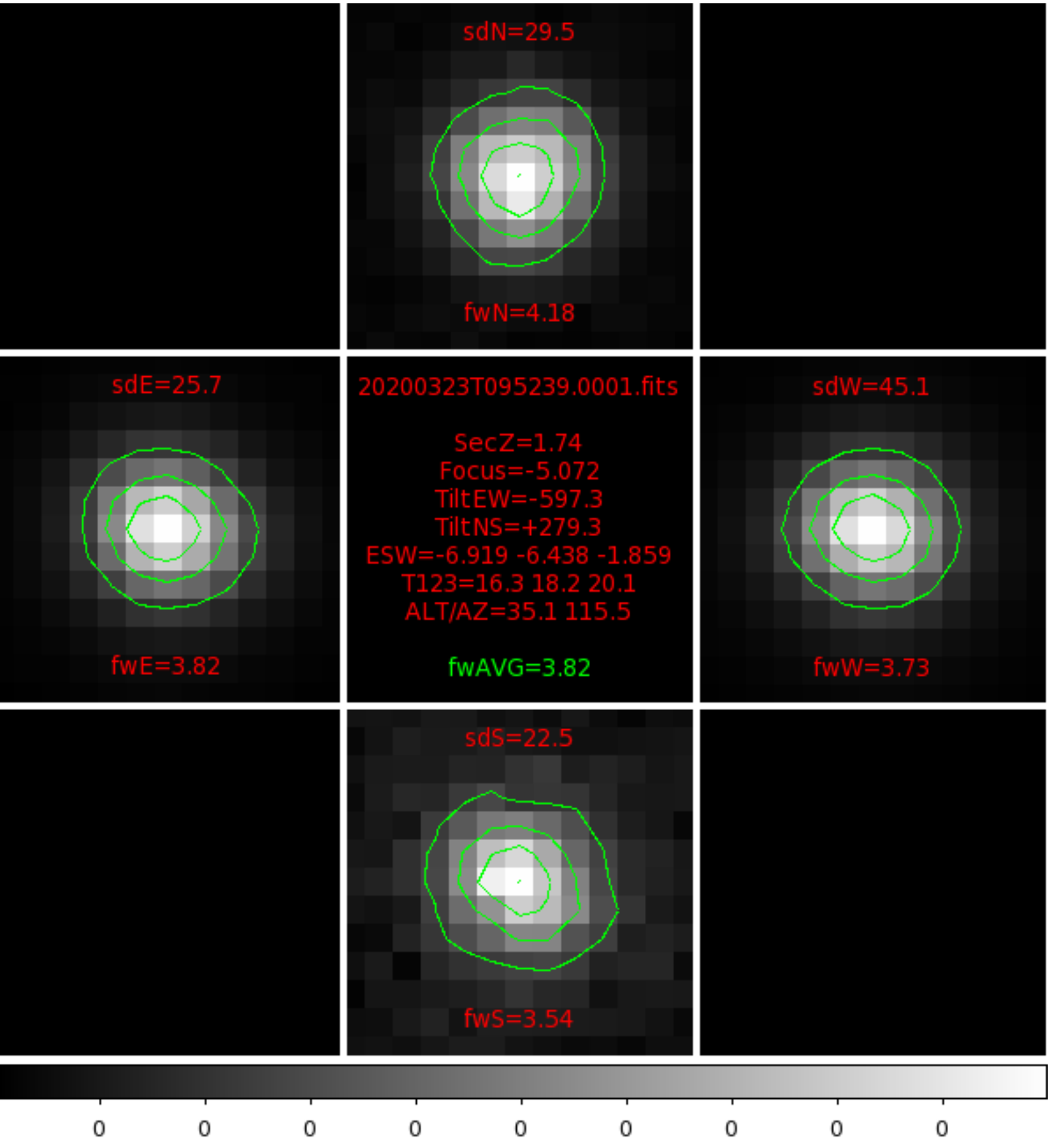
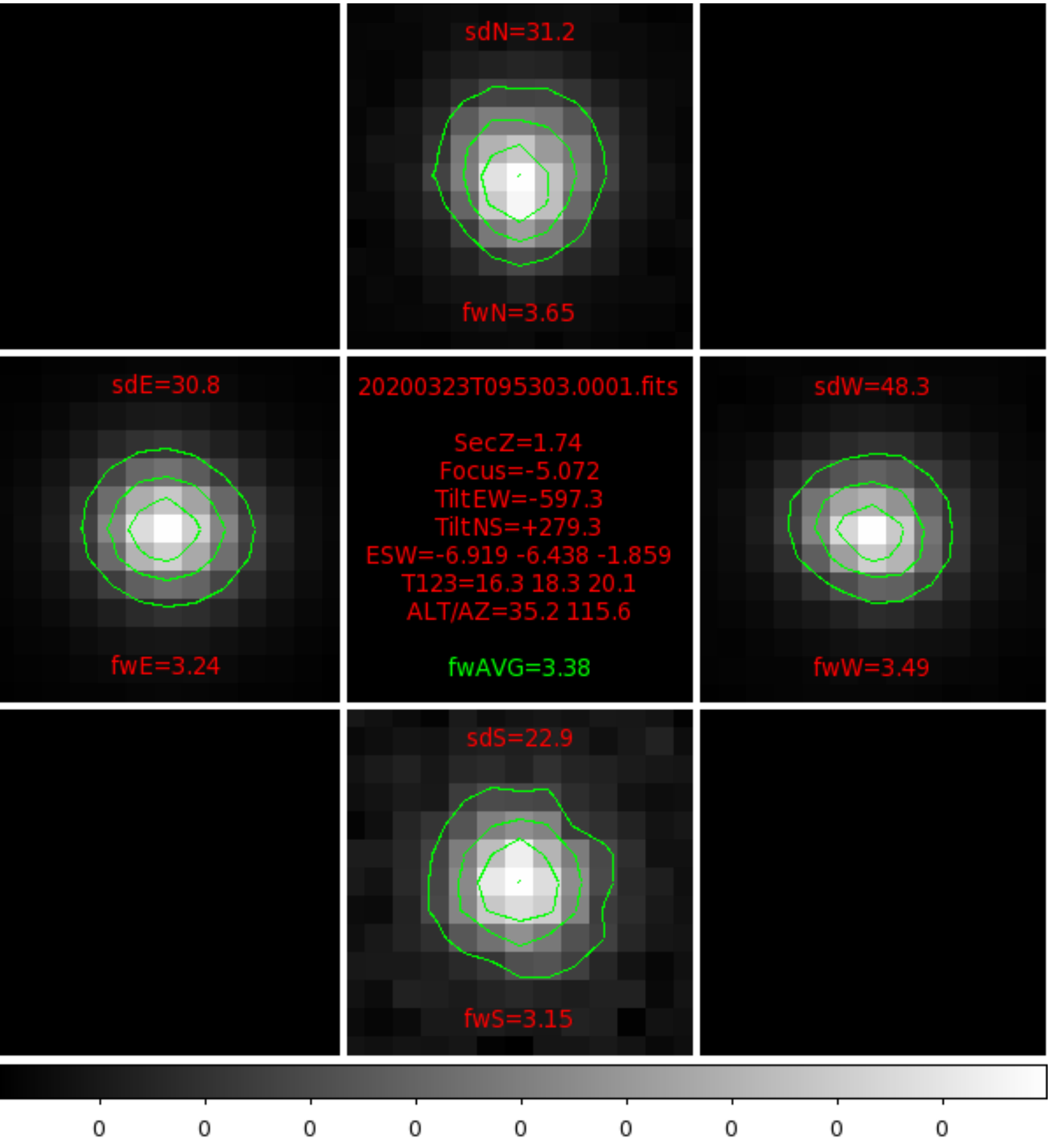
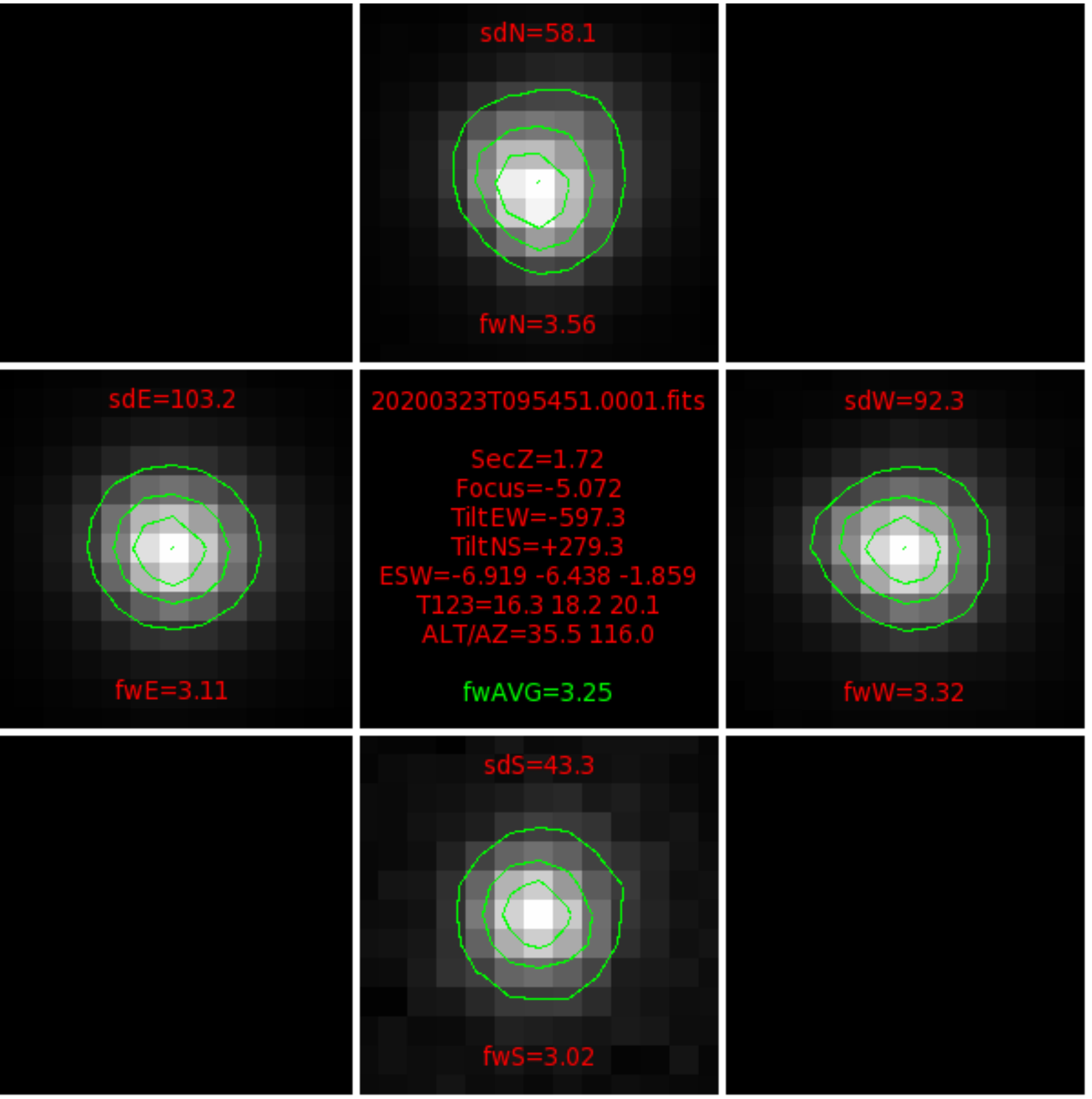

sdN=29.5
fwN=4.18
sdE=25.7
fwE=3.82
20200323T095239.0001.fits
SecZ=1.74
Focus=-5.072
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.919 -6.438 -1.859
T123=16.3 18.2 20.1
ALT/AZ=35.1 115.5
fwAVG=3.82
sdW=45.1
fwW=3.73
sdS=22.5
fwS=3.54
0 0 0 0 0 0 0 0 0


sdN=31.2
fwN=3.65
sdE=30.8
fwE=3.24
20200323T095303.0001.fits
SecZ=1.74
Focus=-5.072
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.919 -6.438 -1.859
T123=16.3 18.3 20.1
ALT/AZ=35.2 115.6
fwAVG=3.38
sdW=48.3
fwW=3.49
sdS=22.9
fwS=3.15
0 0 0 0 0 0 0 0 0


sdN=58.1
fwN=3.56
sdE=103.2
fwE=3.11
20200323T095451.0001.fits
SecZ=1.72
Focus=-5.072
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.919 -6.438 -1.859
T123=16.3 18.2 20.1
ALT/AZ=35.5 116.0
fwAVG=3.25
sdW=92.3
fwW=3.32
sdS=43.3
fwS=3.02
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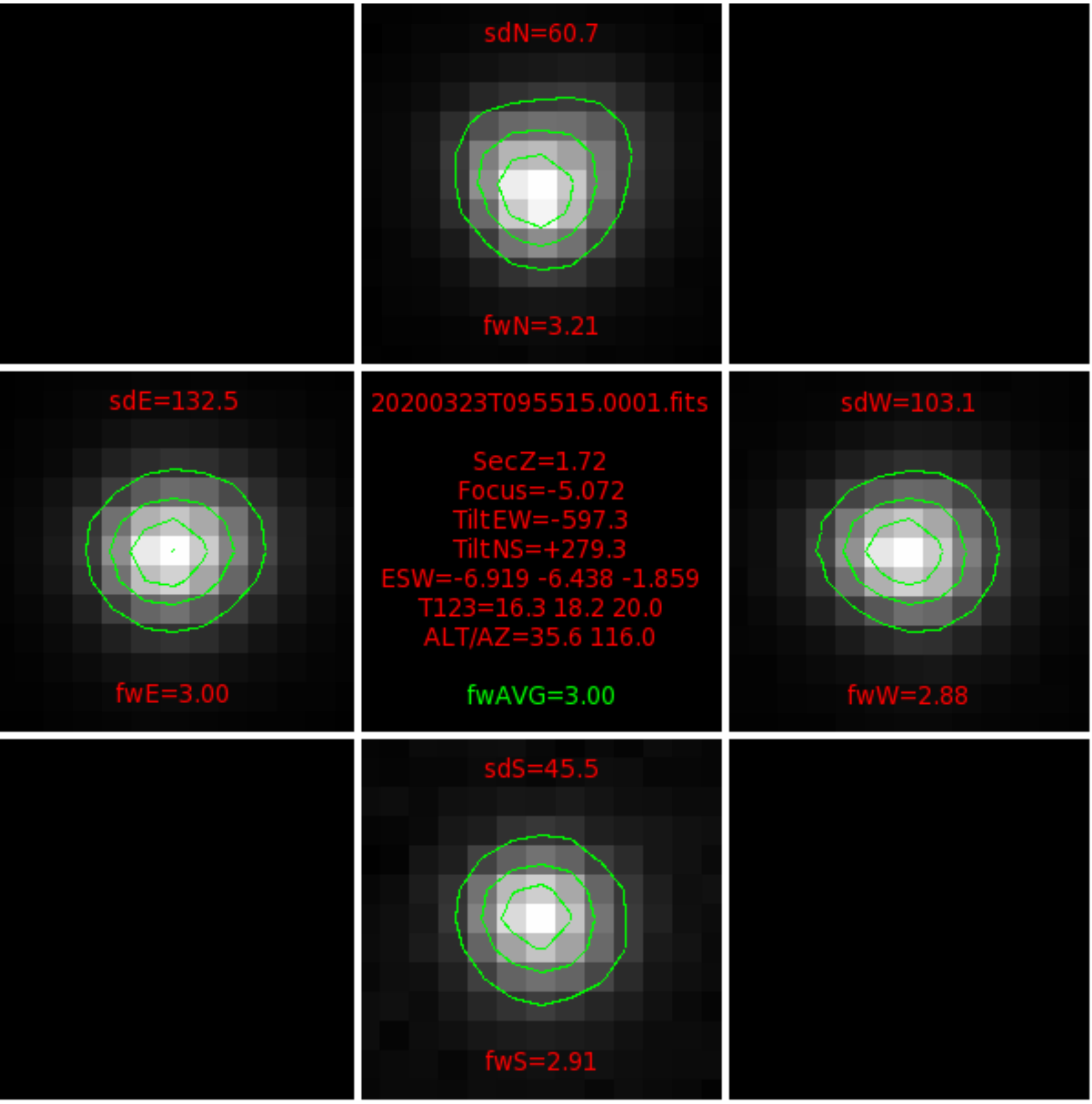
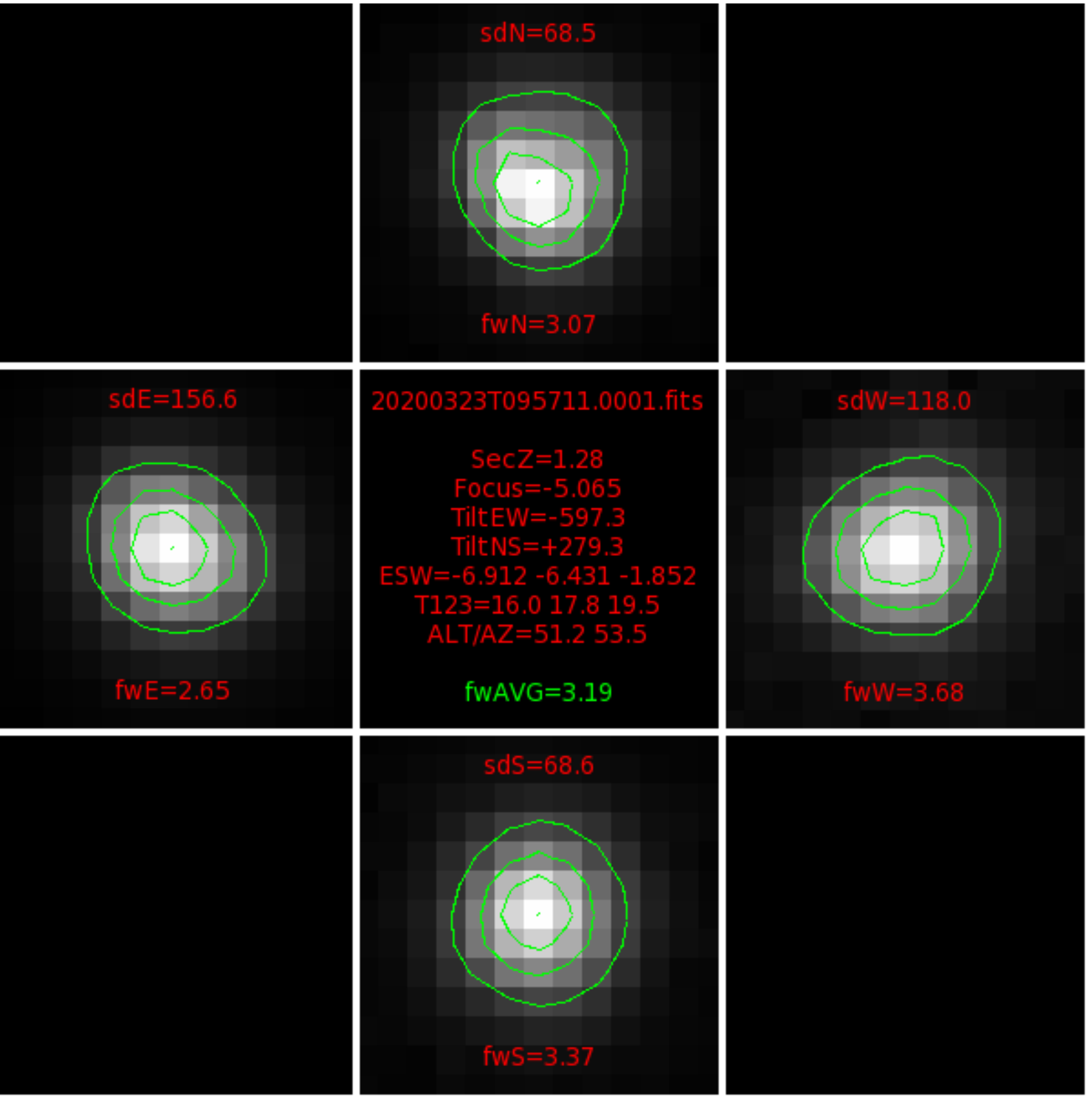

sdN=60.7
fwN=3.21
sdE=132.5
fwE=3.00
20200323T095515.0001.fits
SecZ=1.72
Focus=-5.072
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.919 -6.438 -1.859
T123=16.3 18.2 20.0
ALT/AZ=35.6 116.0
fwAVG=3.00
sdW=103.1
fwW=2.88
sdS=45.5
fwS=2.91
0 0 0 0 0 0 0 0 0


sdN=68.5
fwN=3.07
sdE=156.6
fwE=2.65
20200323T095711.0001.fits
SecZ=1.28
Focus=-5.065
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.912 -6.431 -1.852
T123=16.0 17.8 19.5
ALT/AZ=51.2 53.5
fwAVG=3.19
sdW=118.0
fwW=3.68
sdS=68.6
fwS=3.37
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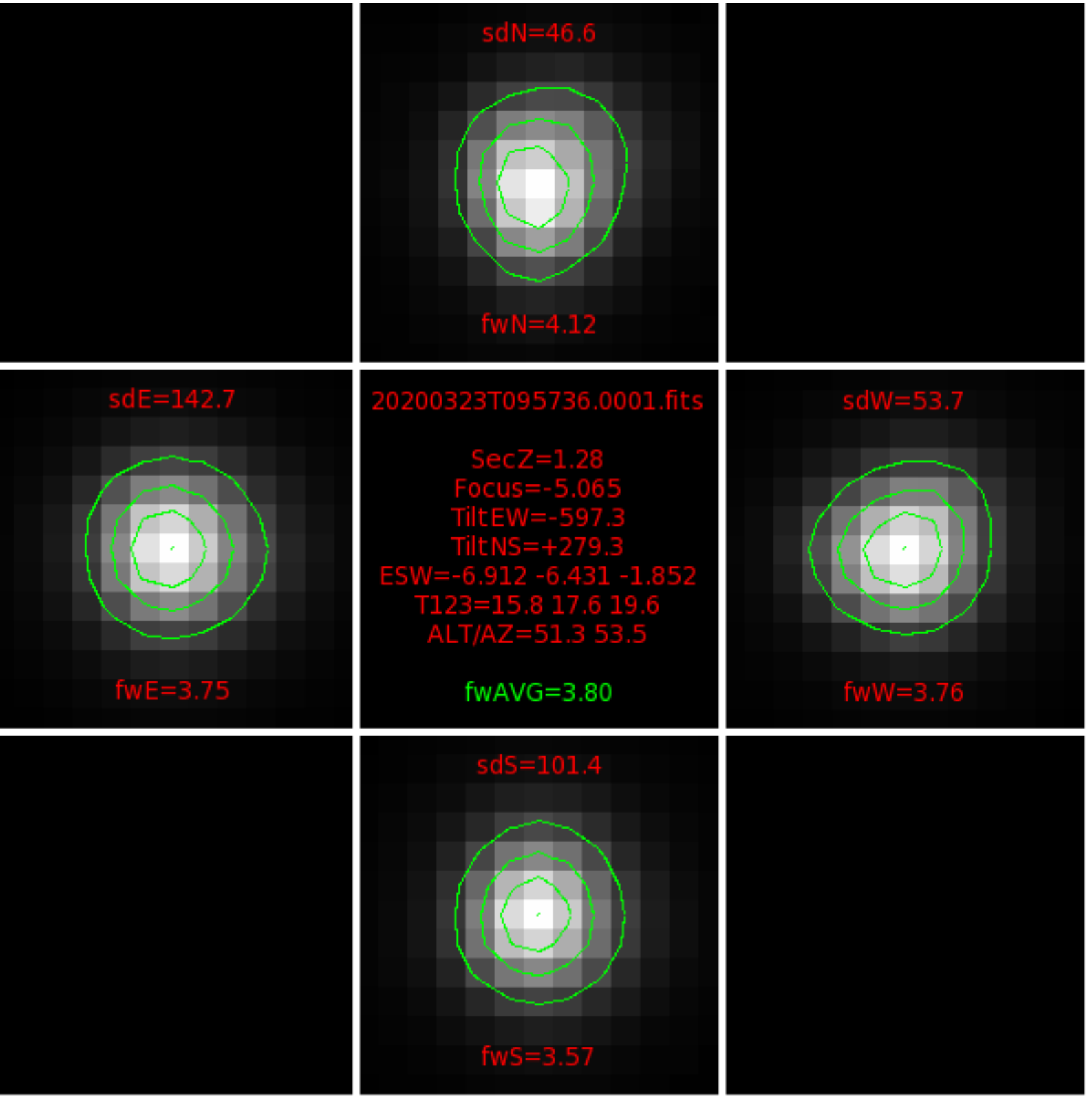
sdN=46.6
fwN=4.12
sdE=142.7
fwE=3.75
20200323T095736.0001.fits
SecZ=1.28
Focus=-5.065
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.912 -6.431 -1.852
T123=15.8 17.6 19.6
ALT/AZ=51.3 53.5
fwAVG=3.80
sdW=53.7
fwW=3.76
sdS=101.4
fwS=3.57
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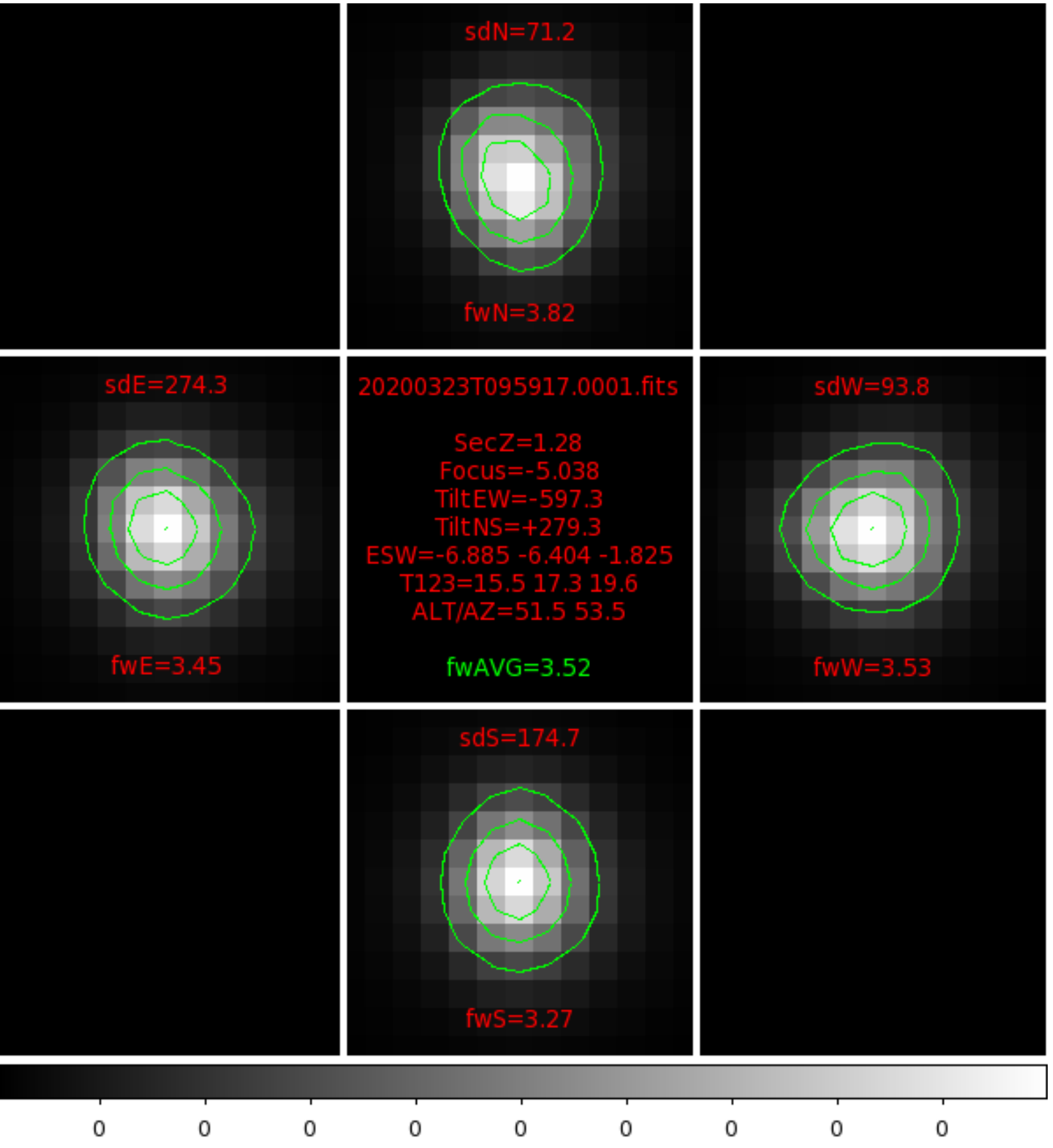
sdN=71.2
fwN=3.82
sdE=274.3
fwE=3.45
20200323T095917.0001.fits
SecZ=1.28
Focus=-5.038
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.885 -6.404 -1.825
T123=15.5 17.3 19.6
ALT/AZ=51.5 53.5
fwAVG=3.52
sdW=93.8
fwW=3.53
sdS=174.7
fwS=3.27
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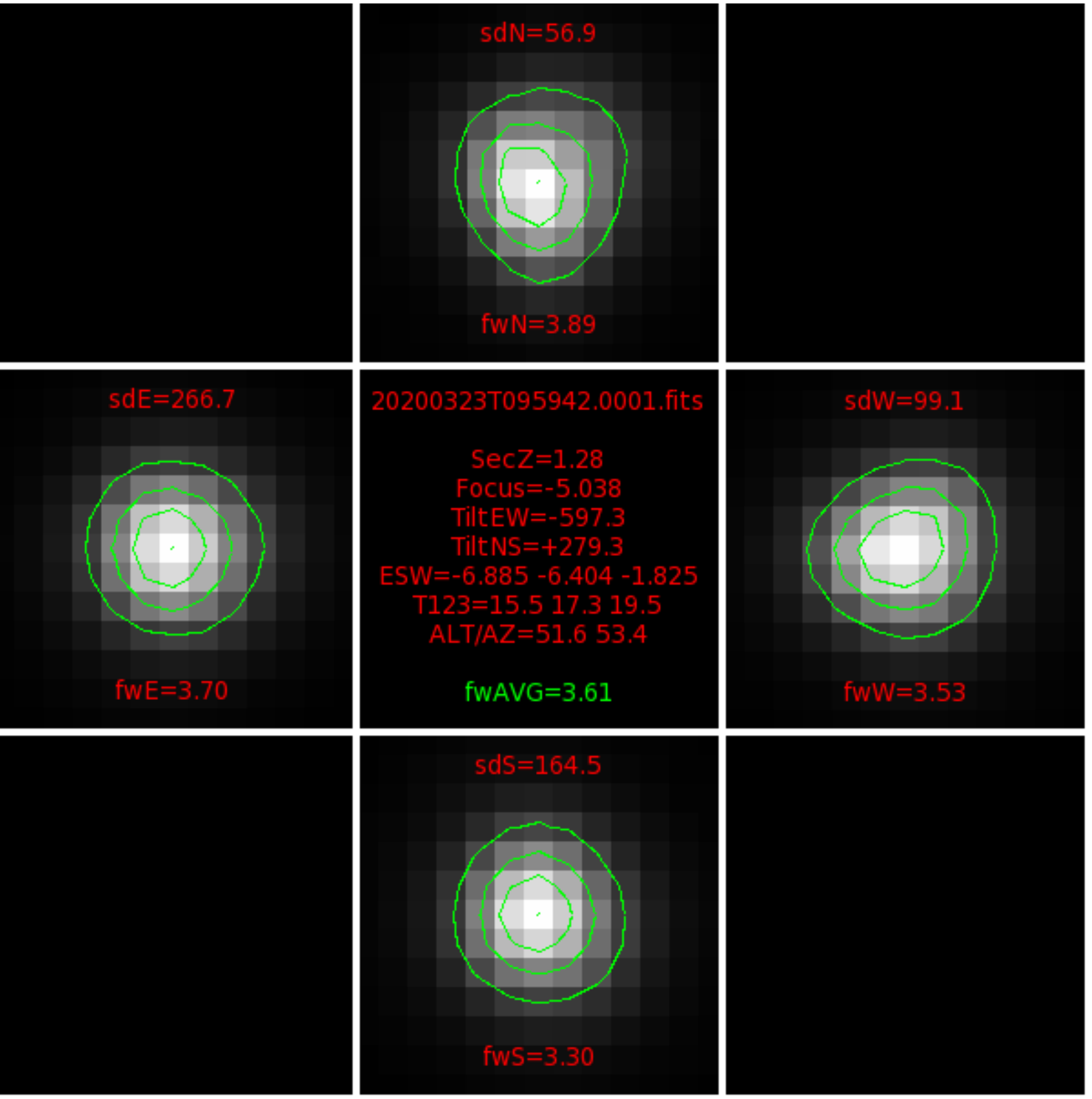
sdN=56.9
fwN=3.89
sdE=266.7
fwE=3.70
20200323T095942.0001.fits
SecZ=1.28
Focus=-5.038
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.885 -6.404 -1.825
T123=15.5 17.3 19.5
ALT/AZ=51.6 53.4
fwAVG=3.61
sdW=99.1
fwW=3.53
sdS=164.5
fwS=3.30
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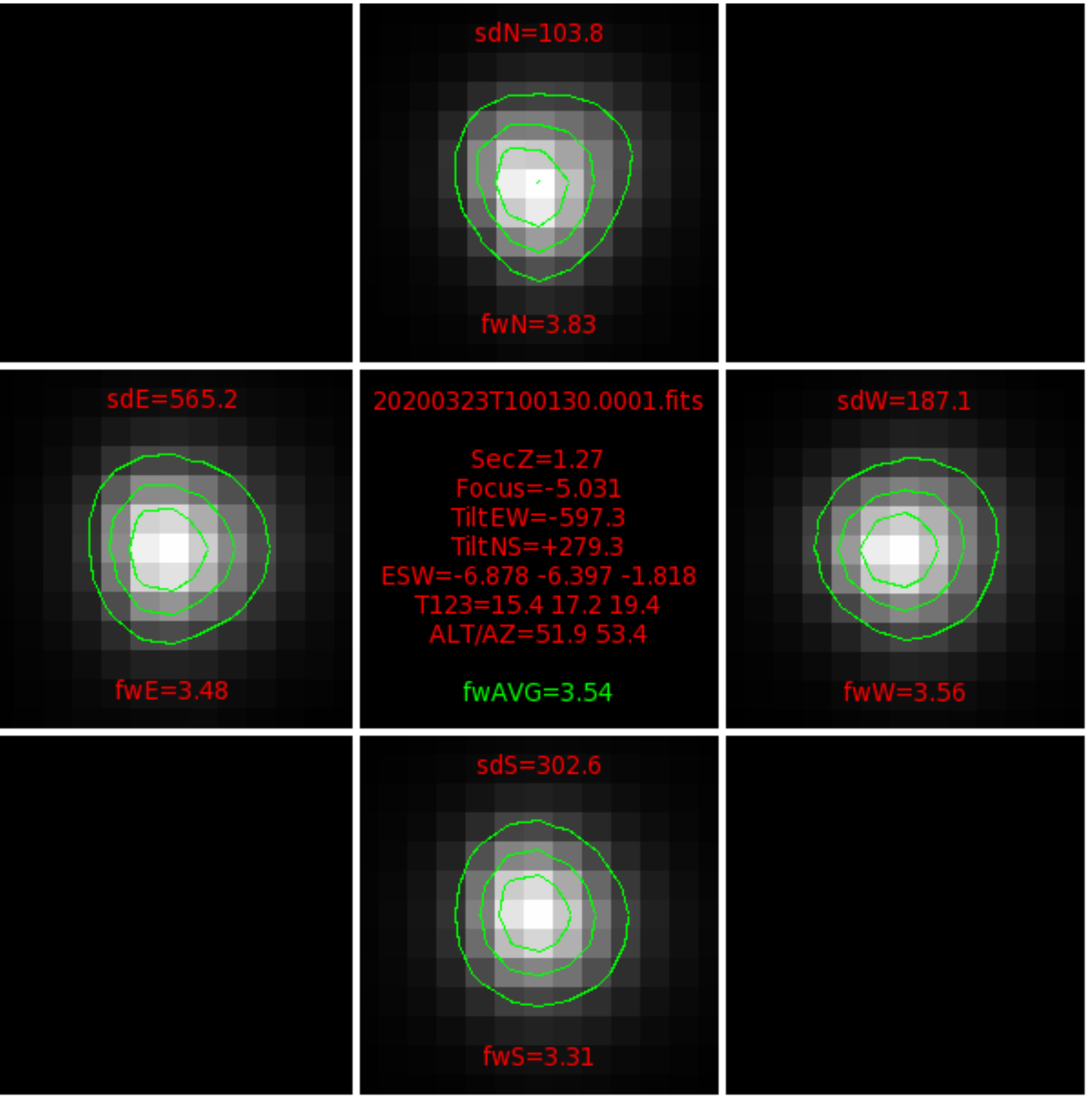
sdN=103.8
fwN=3.83
sdE=565.2
fwE=3.48
20200323T100130.0001.fits
SecZ=1.27
Focus=-5.031
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.878 -6.397 -1.818
T123=15.4 17.2 19.4
ALT/AZ=51.9 53.4
fwAVG=3.54
sdW=187.1
fwW=3.56
sdS=302.6
fwS=3.31
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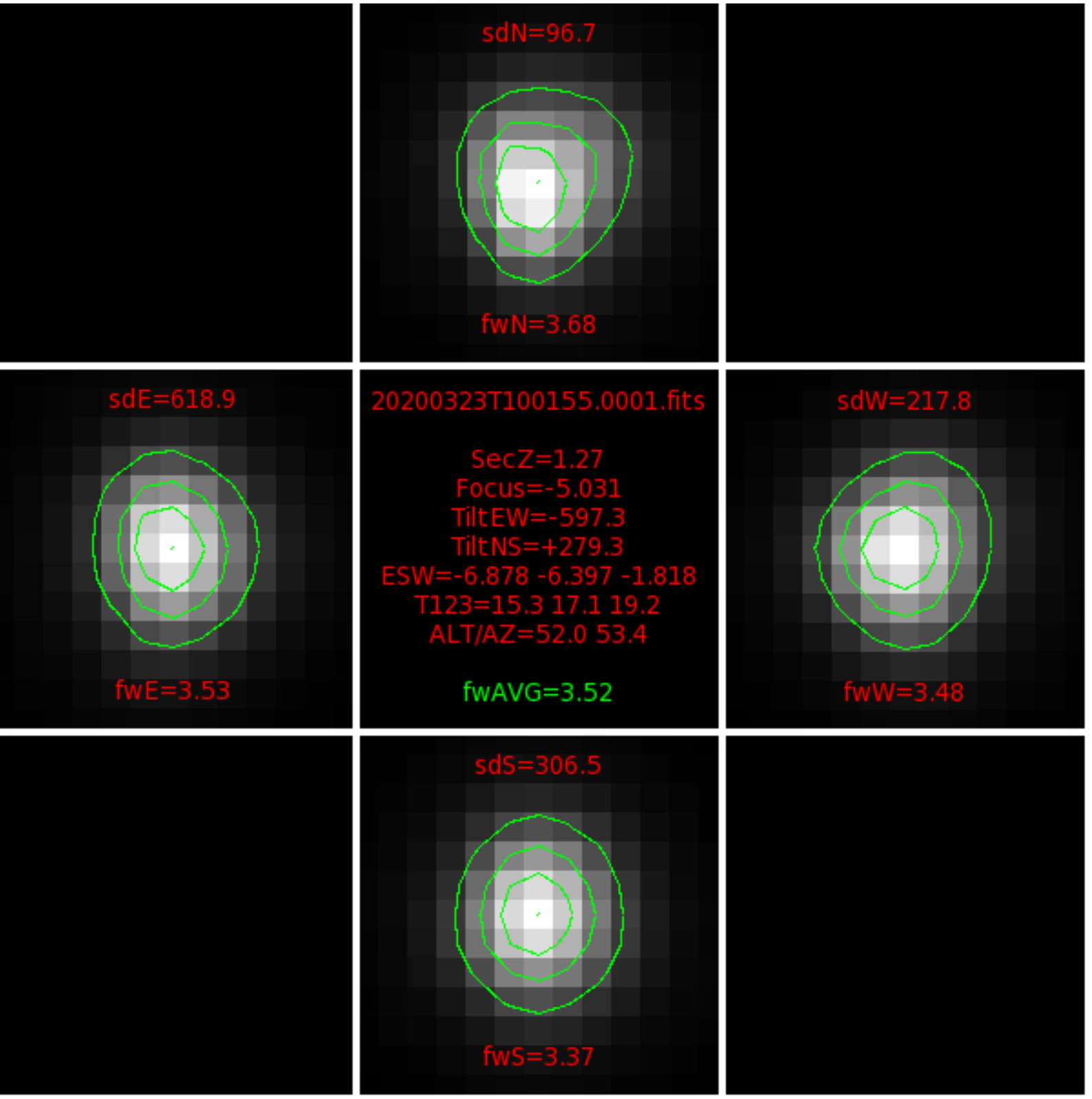
sdN=96.7
fwN=3.68
sdE=618.9
fwE=3.53
20200323T100155.0001.fits
SecZ=1.27
Focus=-5.031
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.878 -6.397 -1.818
T123=15.3 17.1 19.2
ALT/AZ=52.0 53.4
fwAVG=3.52
sdW=217.8
fwW=3.48
sdS=306.5
fwS=3.37
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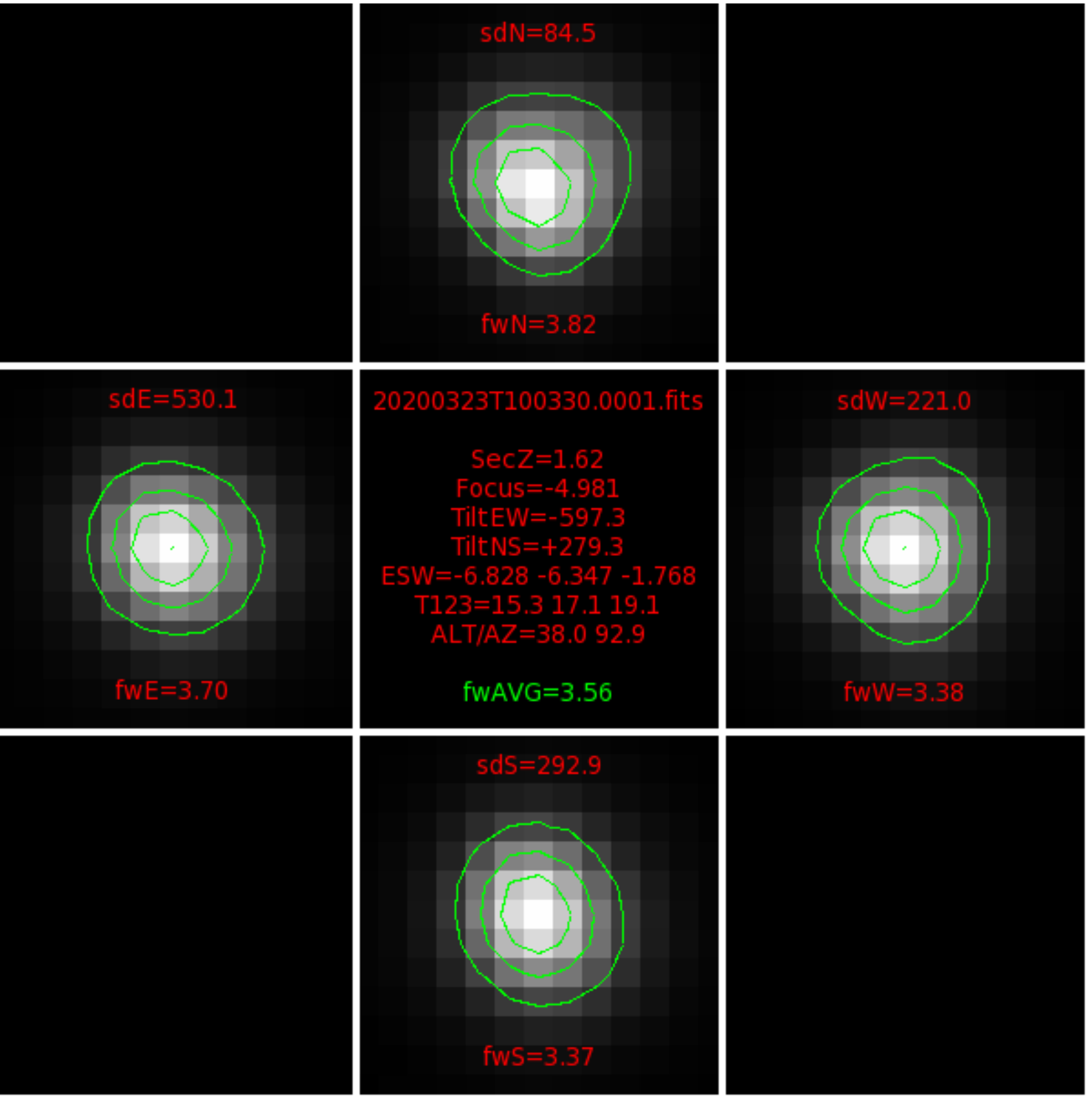
sdN=84.5
fwN=3.82
sdE=530.1
fwE=3.70
20200323T100330.0001.fits
SecZ=1.62
Focus=-4.981
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.828 -6.347 -1.768
T123=15.3 17.1 19.1
ALT/AZ=38.0 92.9
fwAVG=3.56
sdW=221.0
fwW=3.38
sdS=292.9
fwS=3.37
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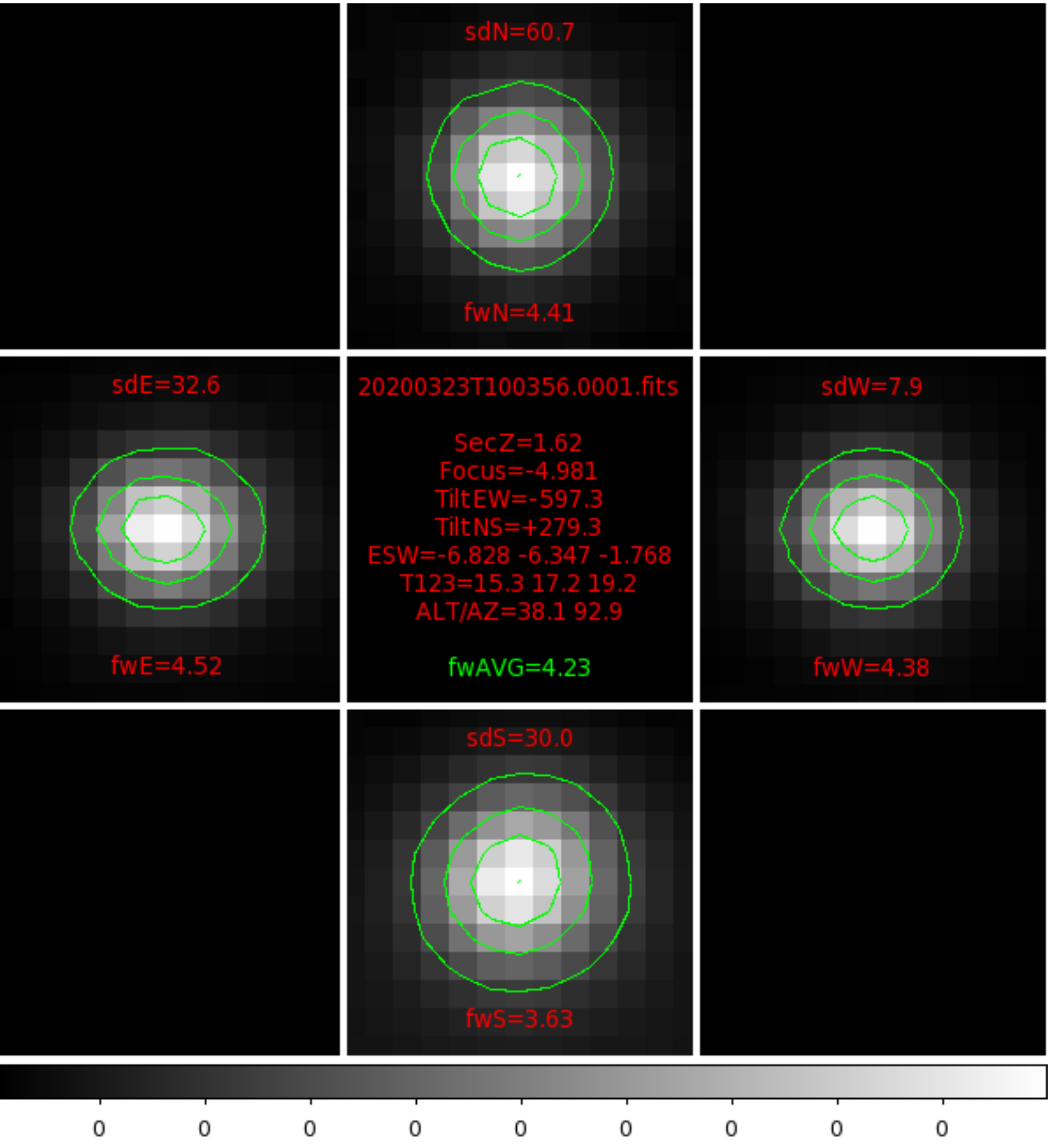
sdN=60.7
fwN=4.41
sdE=32.6
fwE=4.52
20200323T100356.0001.fits
SecZ=1.62
Focus=-4.981
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.828 -6.347 -1.768
T123=15.3 17.2 19.2
ALT/AZ=38.1 92.9
fwAVG=4.23
sdW=7.9
fwW=4.38
sdS=30.0
fwS=3.63
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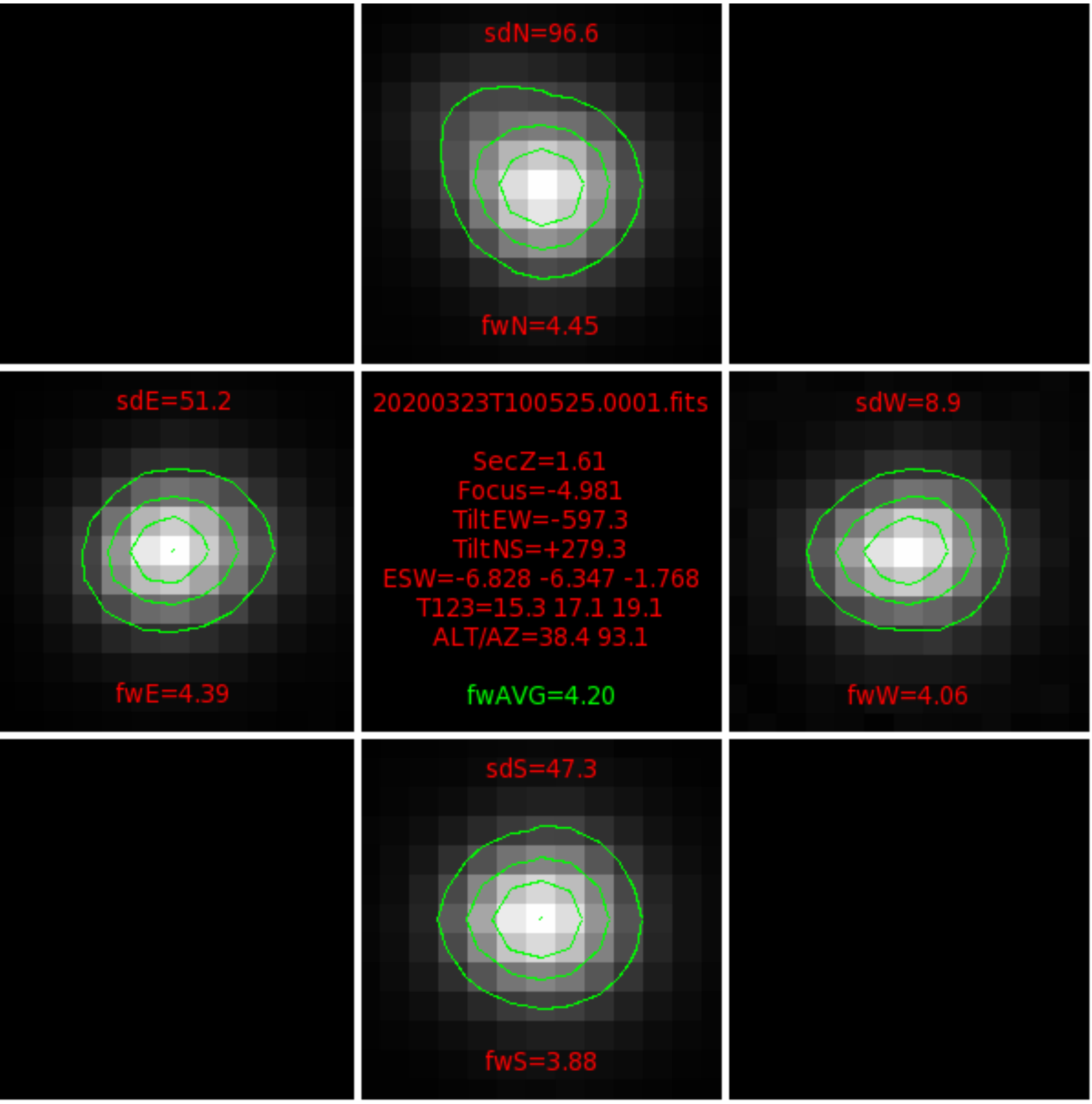
sdN=96.6
fwN=4.45
sdE=51.2
fwE=4.39
20200323T100525.0001.fits
SecZ=1.61
Focus=-4.981
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.828 -6.347 -1.768
T123=15.3 17.1 19.1
ALT/AZ=38.4 93.1
fwAVG=4.20
sdW=8.9
fwW=4.06
sdS=47.3
fwS=3.88
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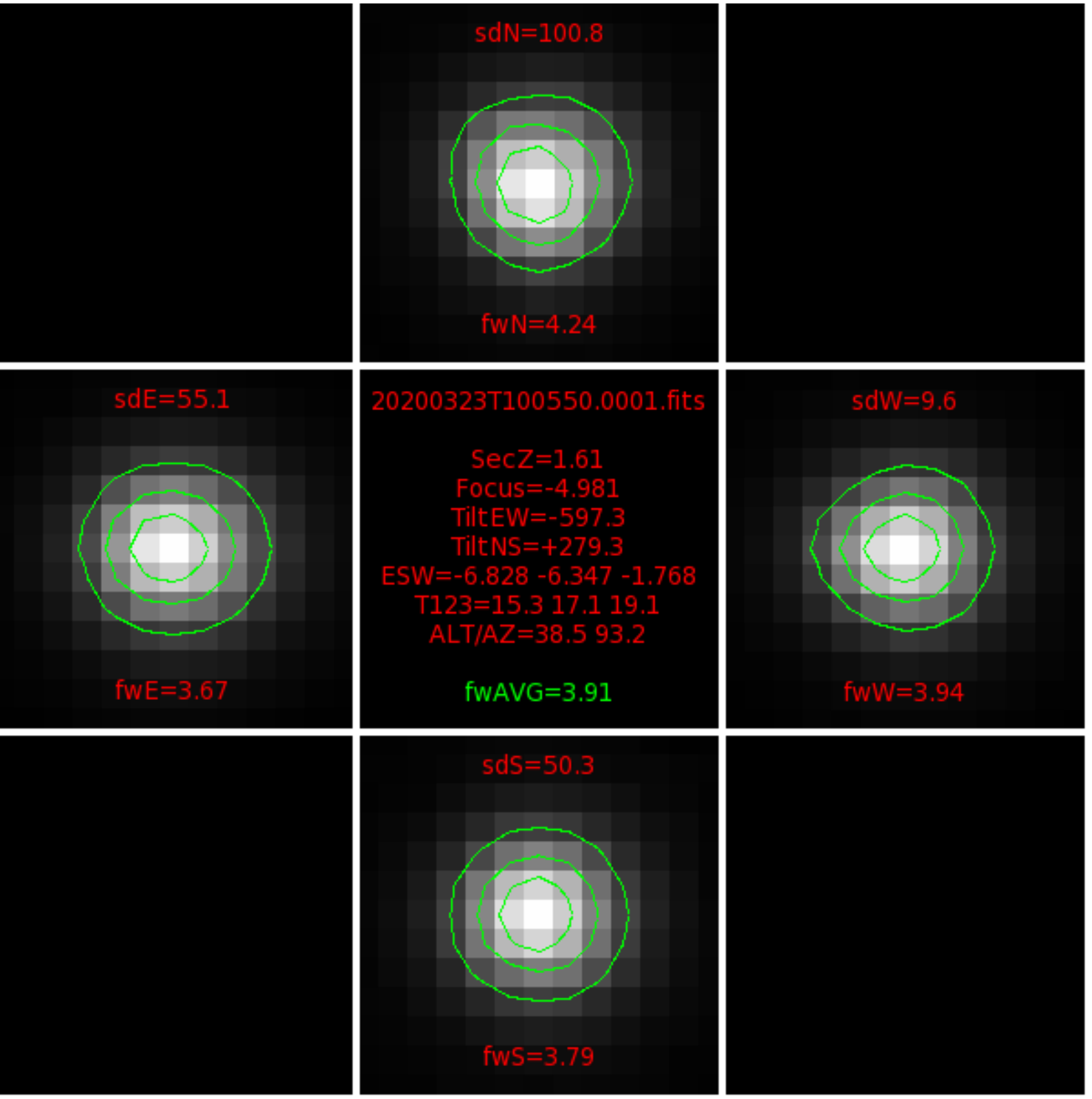
sdN=100.8
fwN=4.24
sdE=55.1
fwE=3.67
20200323T100550.0001.fits
SecZ=1.61
Focus=-4.981
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.828 -6.347 -1.768
T123=15.3 17.1 19.1
ALT/AZ=38.5 93.2
fwAVG=3.91
sdW=9.6
fwW=3.94
sdS=50.3
fwS=3.79
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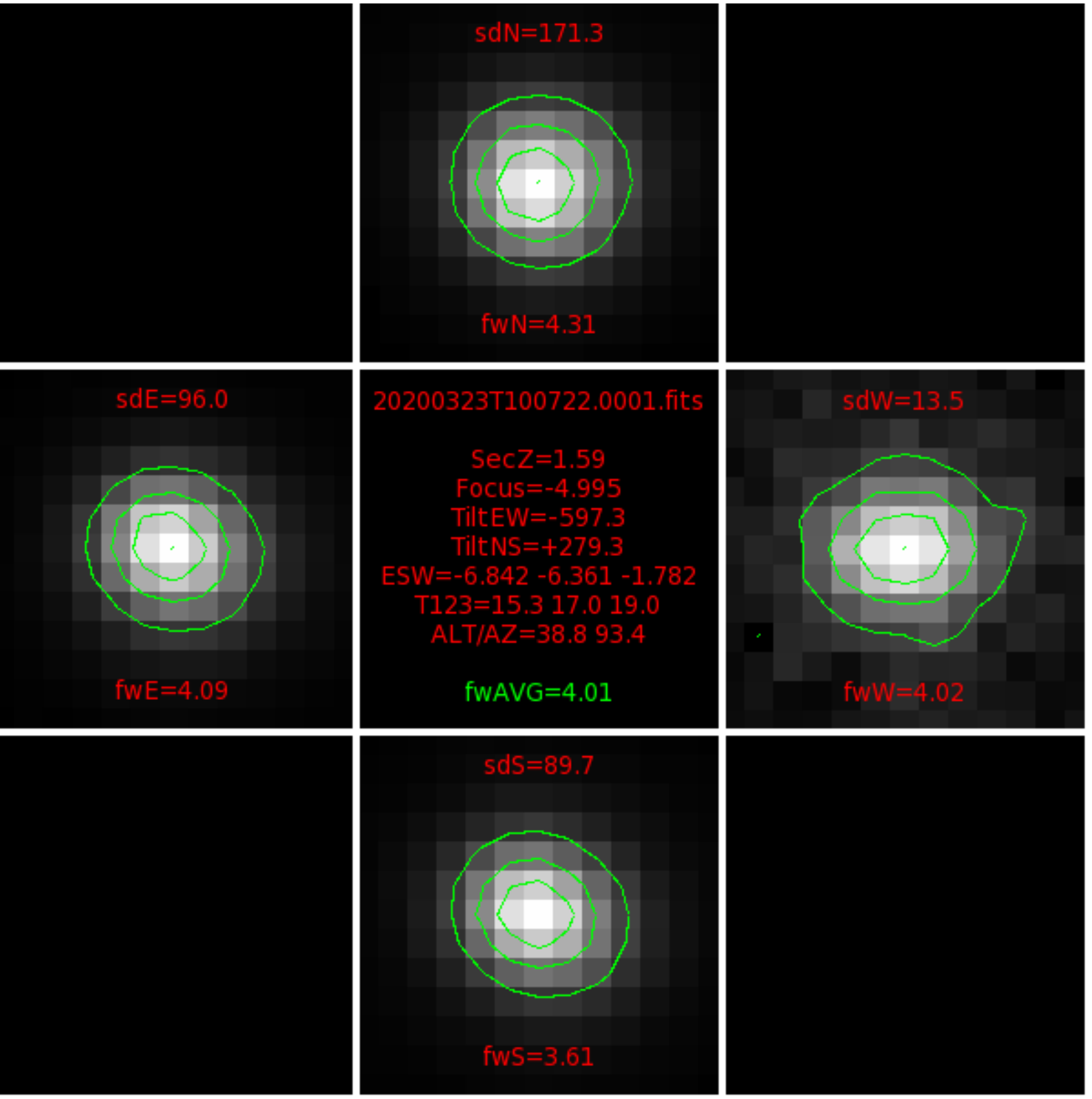
sdN=171.3
fwN=4.31
sdE=96.0
fwE=4.09
20200323T100722.0001.fits
SecZ=1.59
Focus=-4.995
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.842 -6.361 -1.782
T123=15.3 17.0 19.0
ALT/AZ=38.8 93.4
fwAVG=4.01
sdW=13.5
fwW=4.02
sdS=89.7
fwS=3.61
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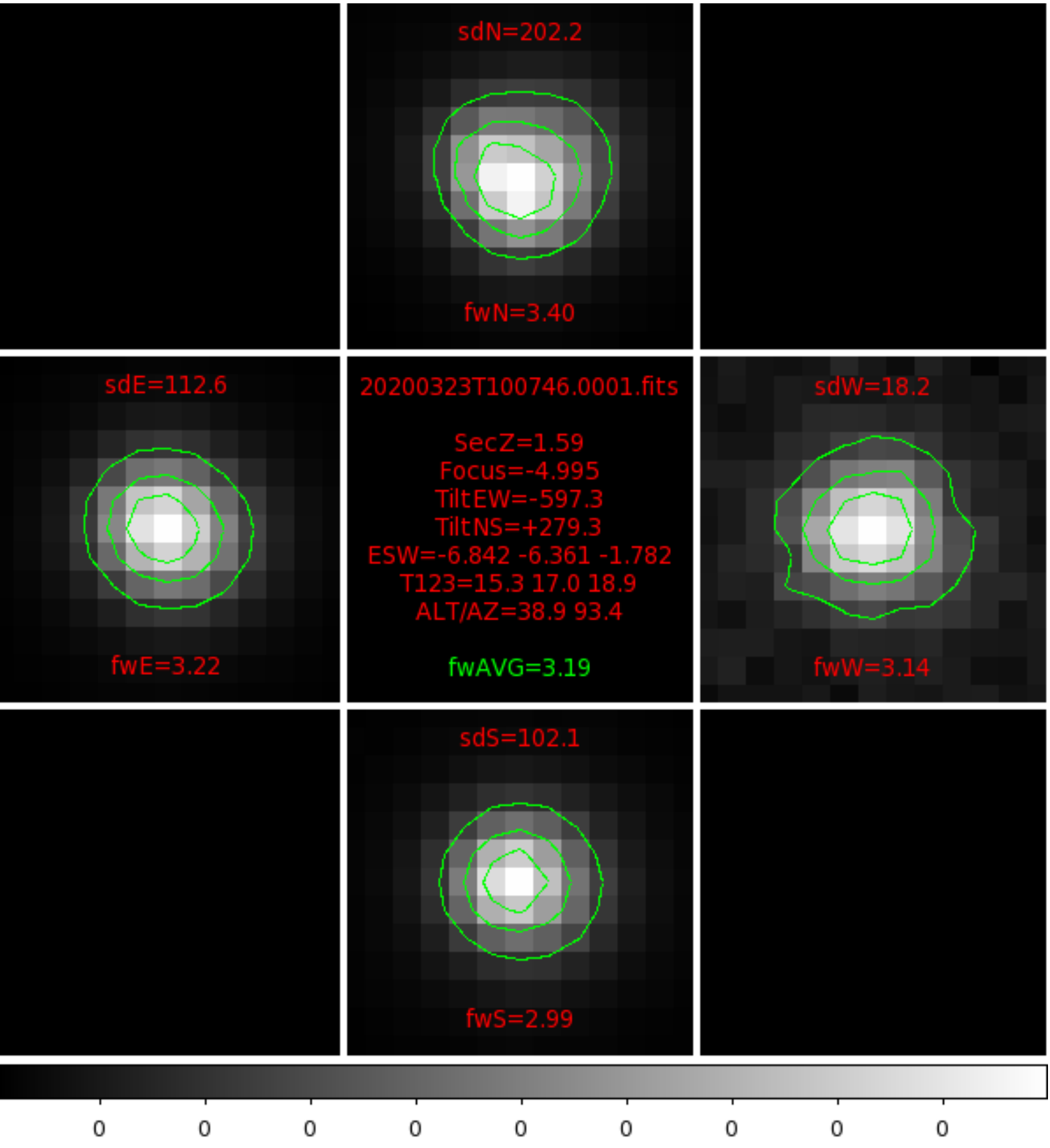
sdN=202.2
fwN=3.40
sdE=112.6
fwE=3.22
20200323T100746.0001.fits
SecZ=1.59
Focus=-4.995
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.842 -6.361 -1.782
T123=15.3 17.0 18.9
ALT/AZ=38.9 93.4
fwAVG=3.19
sdW=18.2
fwW=3.14
sdS=102.1
fwS=2.99
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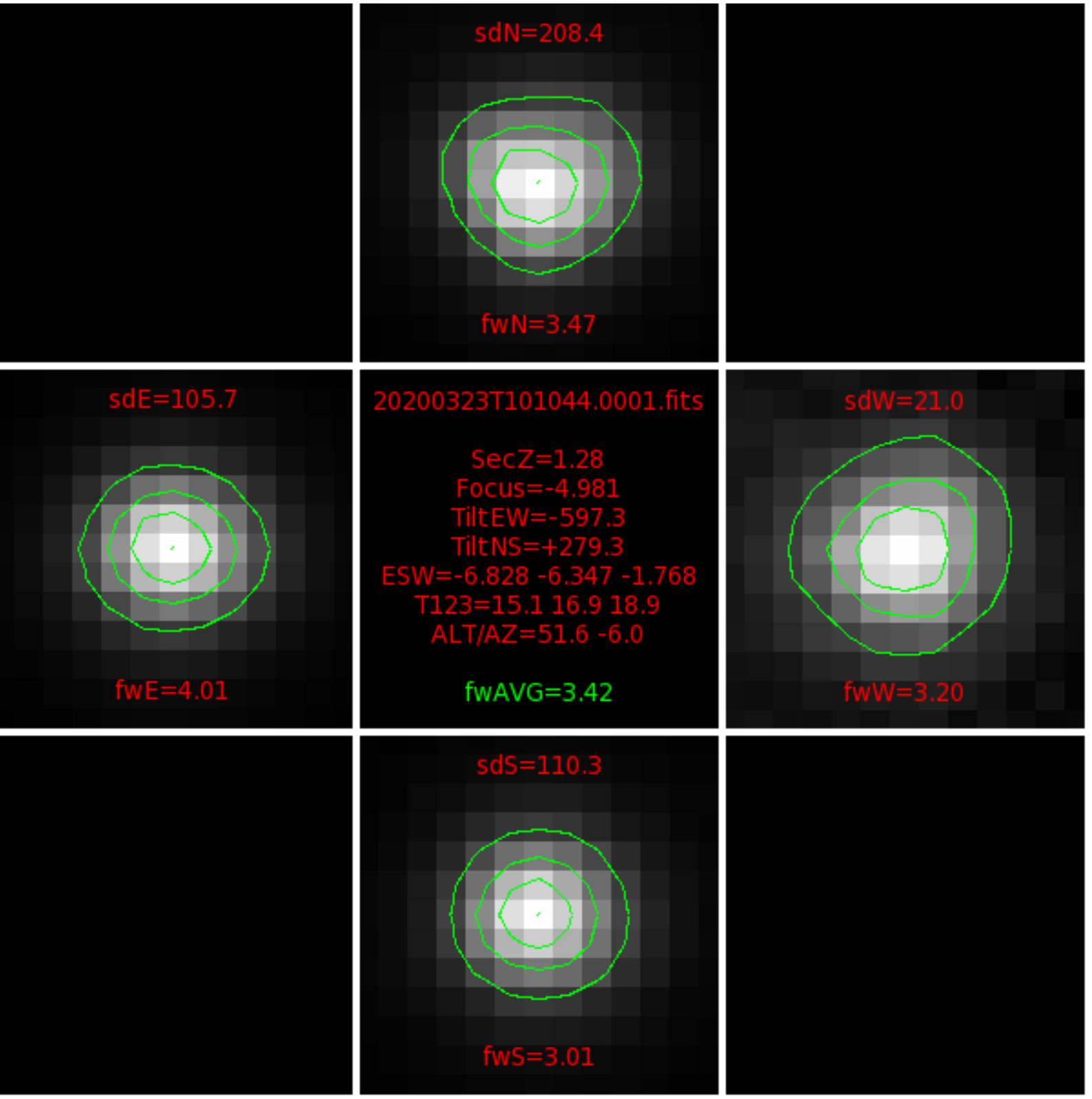
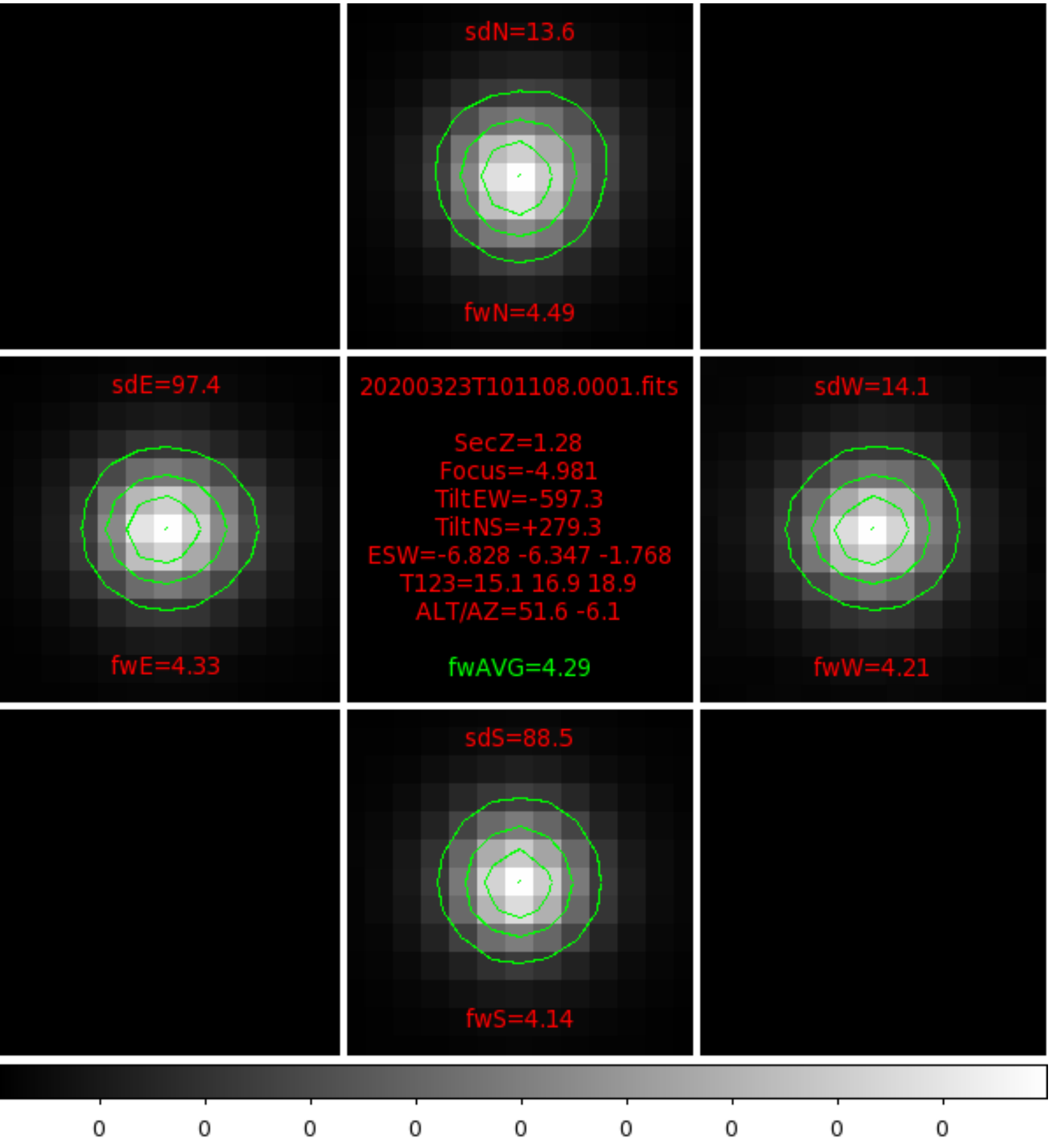

sdN=208.4
fwN=3.47
sdE=105.7
fwE=4.01
20200323T101044.0001.fits
SecZ=1.28
Focus=-4.981
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.828 -6.347 -1.768
T123=15.1 16.9 18.9
ALT/AZ=51.6 -6.0
fwAVG=3.42
sdW=21.0
fwW=3.20
sdS=110.3
fwS=3.01
0 0 0 0 0 0 0 0 0


sdN=13.6
fwN=4.49
sdE=97.4
fwE=4.33
20200323T101108.0001.fits
SecZ=1.28
Focus=-4.981
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.828 -6.347 -1.768
T123=15.1 16.9 18.9
ALT/AZ=51.6 -6.1
fwAVG=4.29
sdW=14.1
fwW=4.21
sdS=88.5
fwS=4.14
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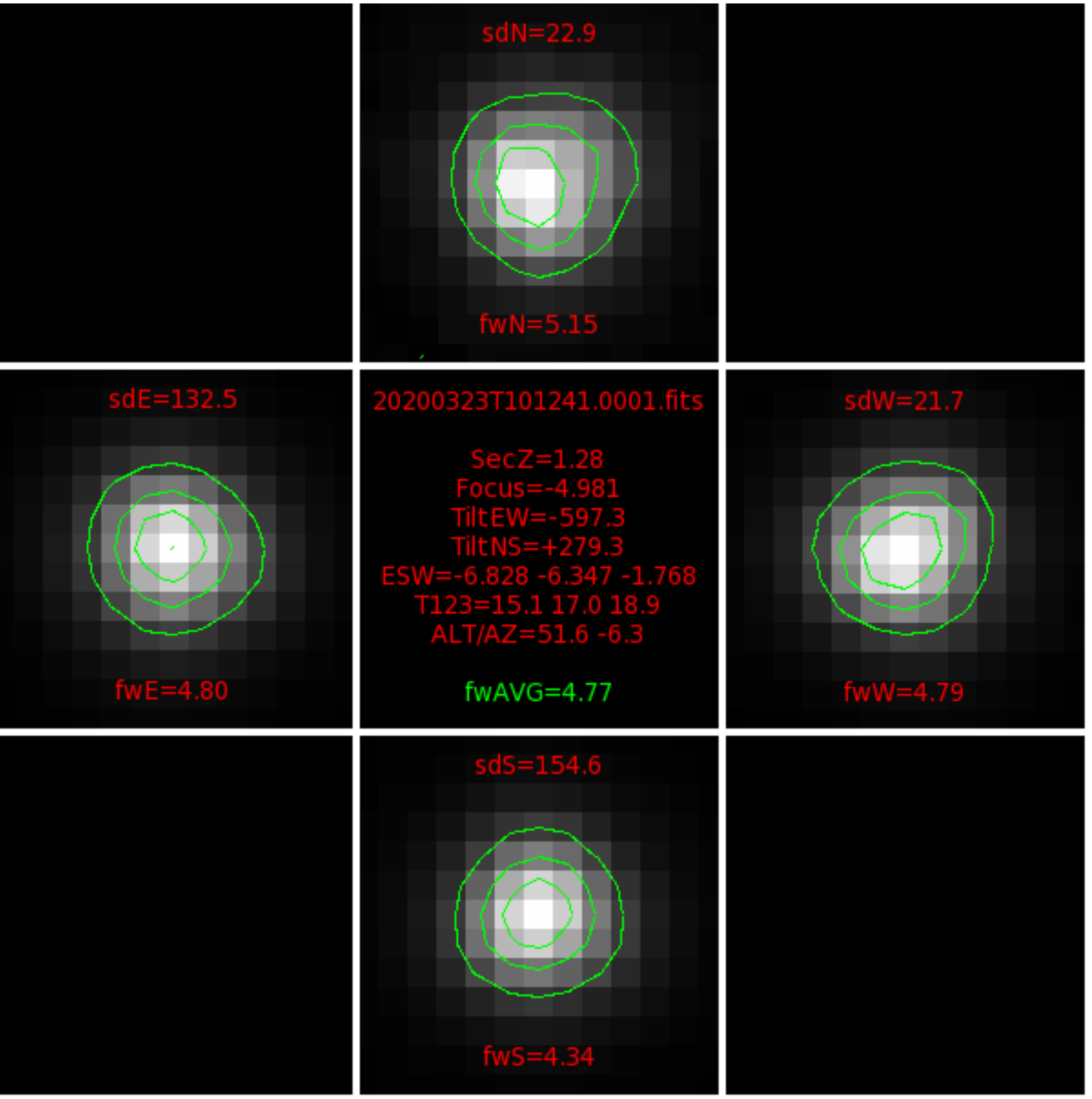
sdN=22.9
fwN=5.15
sdE=132.5
fwE=4.80
20200323T101241.0001.fits
SecZ=1.28
Focus=-4.981
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.828 -6.347 -1.768
T123=15.1 17.0 18.9
ALT/AZ=51.6 -6.3
fwAVG=4.77
sdW=21.7
fwW=4.79
sdS=154.6
fwS=4.34
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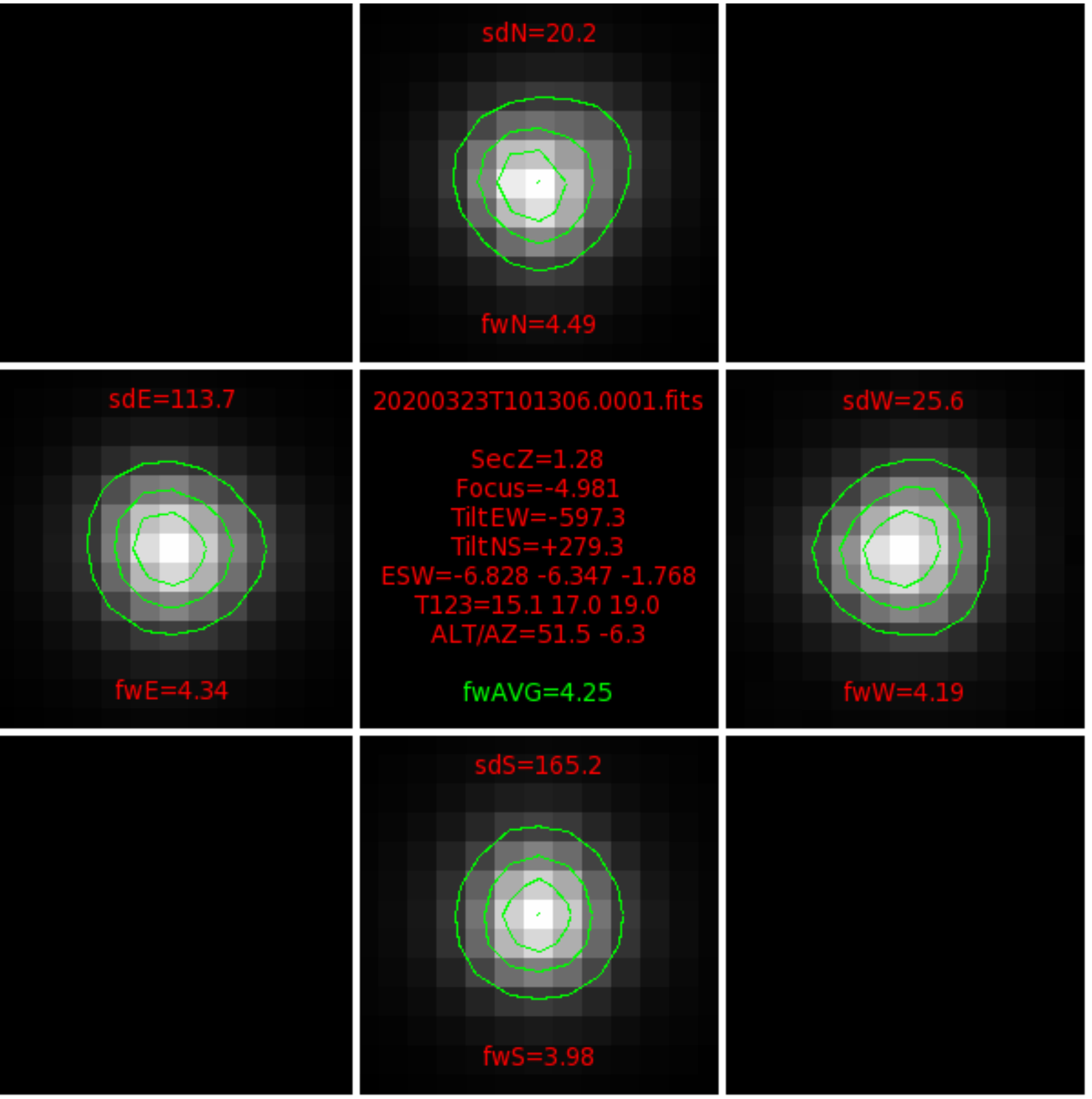
sdN=20.2
fwN=4.49
sdE=113.7
fwE=4.34
20200323T101306.0001.fits
SecZ=1.28
Focus=-4.981
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.828 -6.347 -1.768
T123=15.1 17.0 19.0
ALT/AZ=51.5 -6.3
fwAVG=4.25
sdW=25.6
fwW=4.19
sdS=165.2
fwS=3.98
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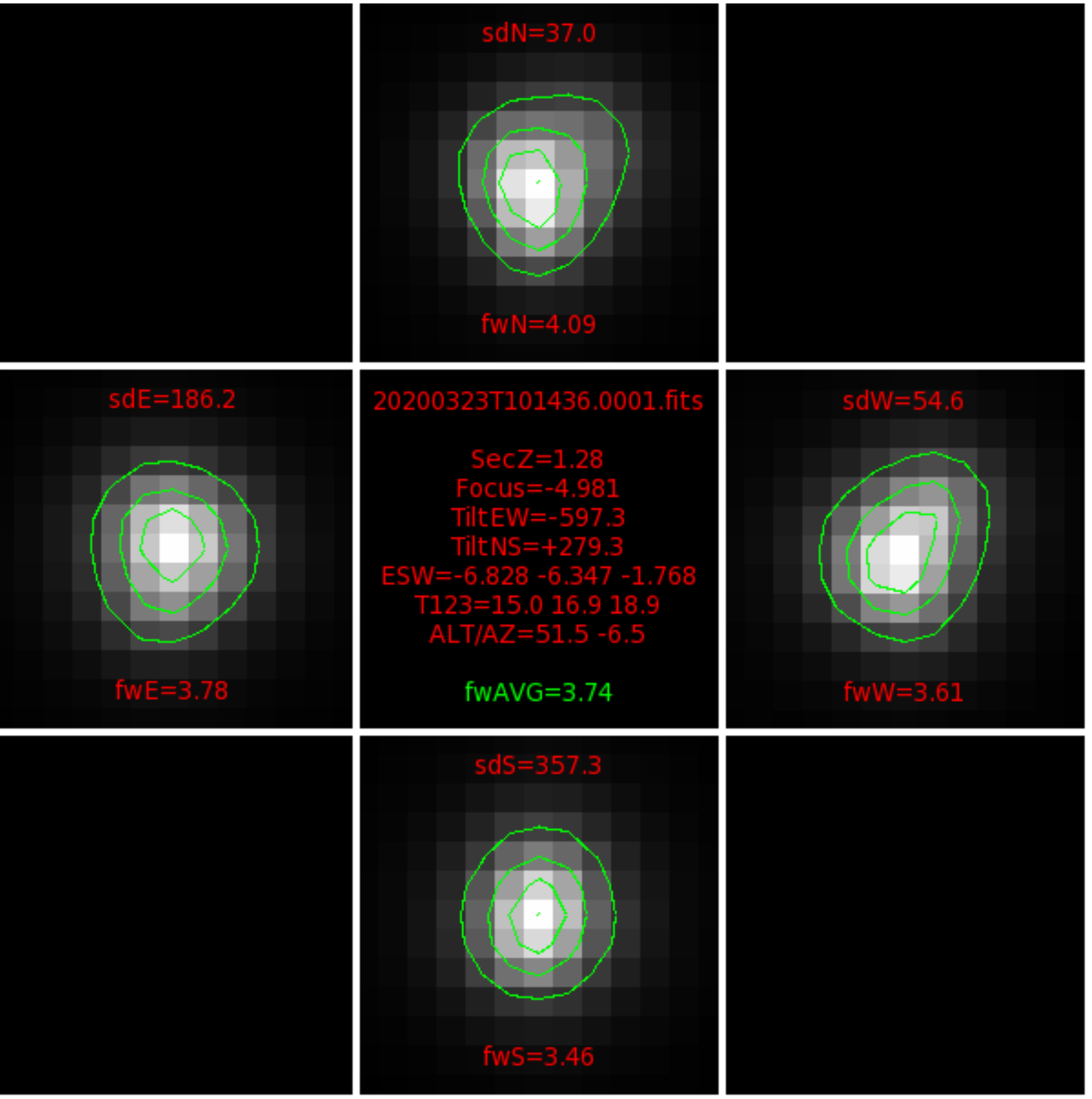
sdN=37.0
fwN=4.09
sdE=186.2
fwE=3.78
20200323T101436.0001.fits
SecZ=1.28
Focus=-4.981
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.828 -6.347 -1.768
T123=15.0 16.9 18.9
ALT/AZ=51.5 -6.5
fwAVG=3.74
sdW=54.6
fwW=3.61
sdS=357.3
fwS=3.46
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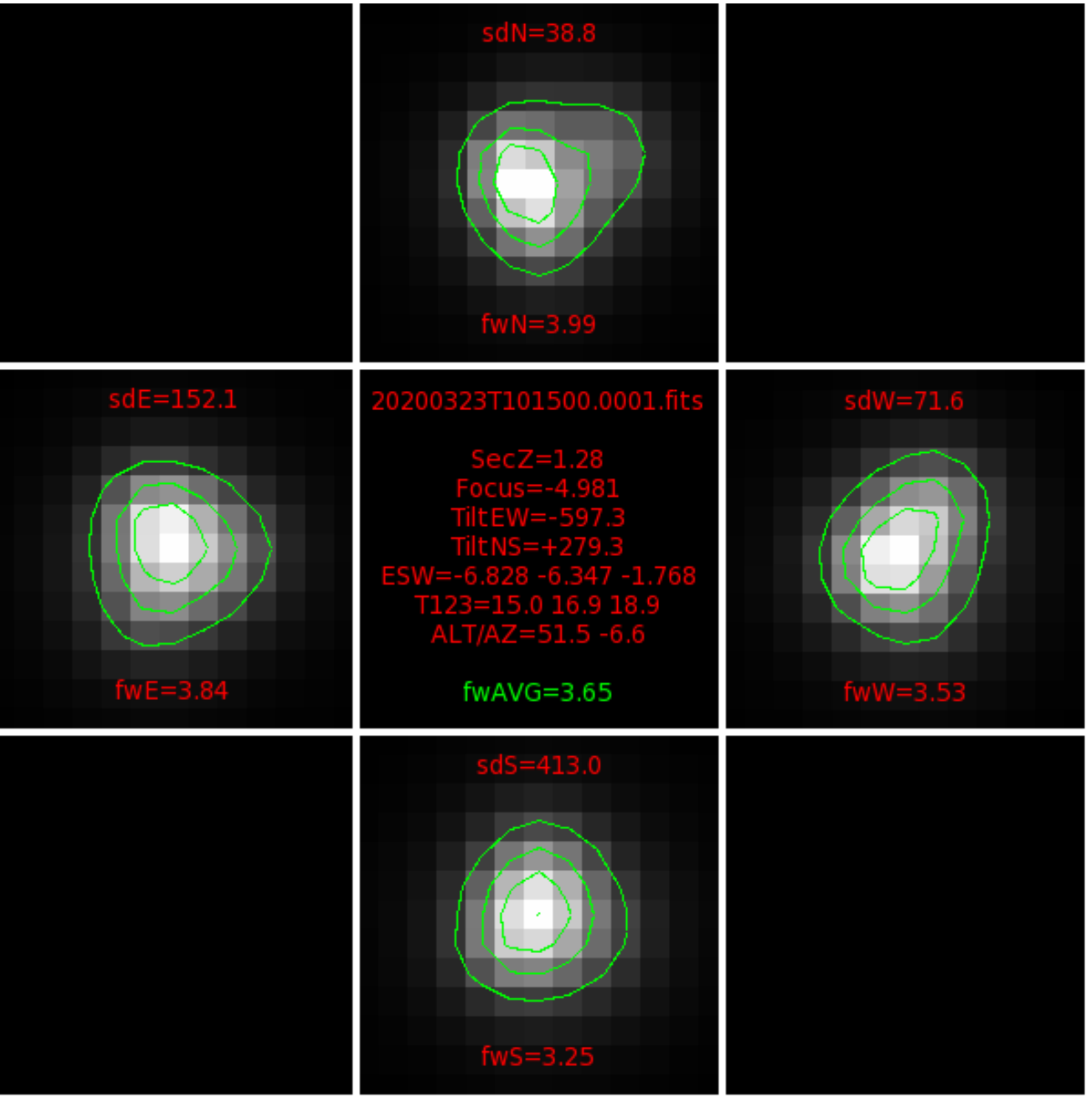
sdN=38.8
fwN=3.99
sdE=152.1
fwE=3.84
20200323T101500.0001.fits
SecZ=1.28
Focus=-4.981
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.828 -6.347 -1.768
T123=15.0 16.9 18.9
ALT/AZ=51.5 -6.6
fwAVG=3.65
sdW=71.6
fwW=3.53
sdS=413.0
fwS=3.25
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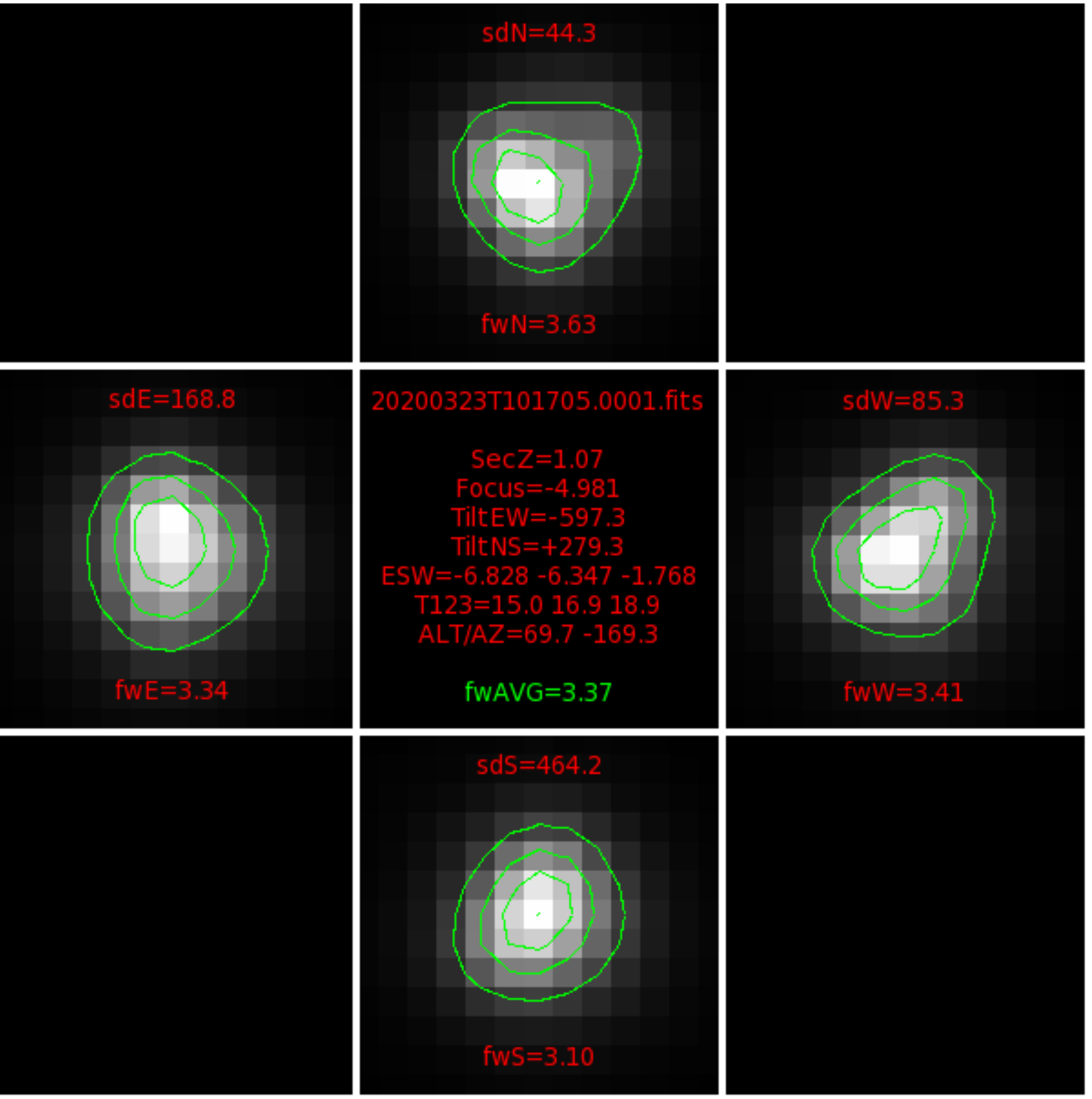
sdN=44.3
fwN=3.63
sdE=168.8
fwE=3.34
20200323T101705.0001.fits
SecZ=1.07
Focus=-4.981
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.828 -6.347 -1.768
T123=15.0 16.9 18.9
ALT/AZ=69.7 -169.3
fwAVG=3.37
sdW=85.3
fwW=3.41
sdS=464.2
fwS=3.10
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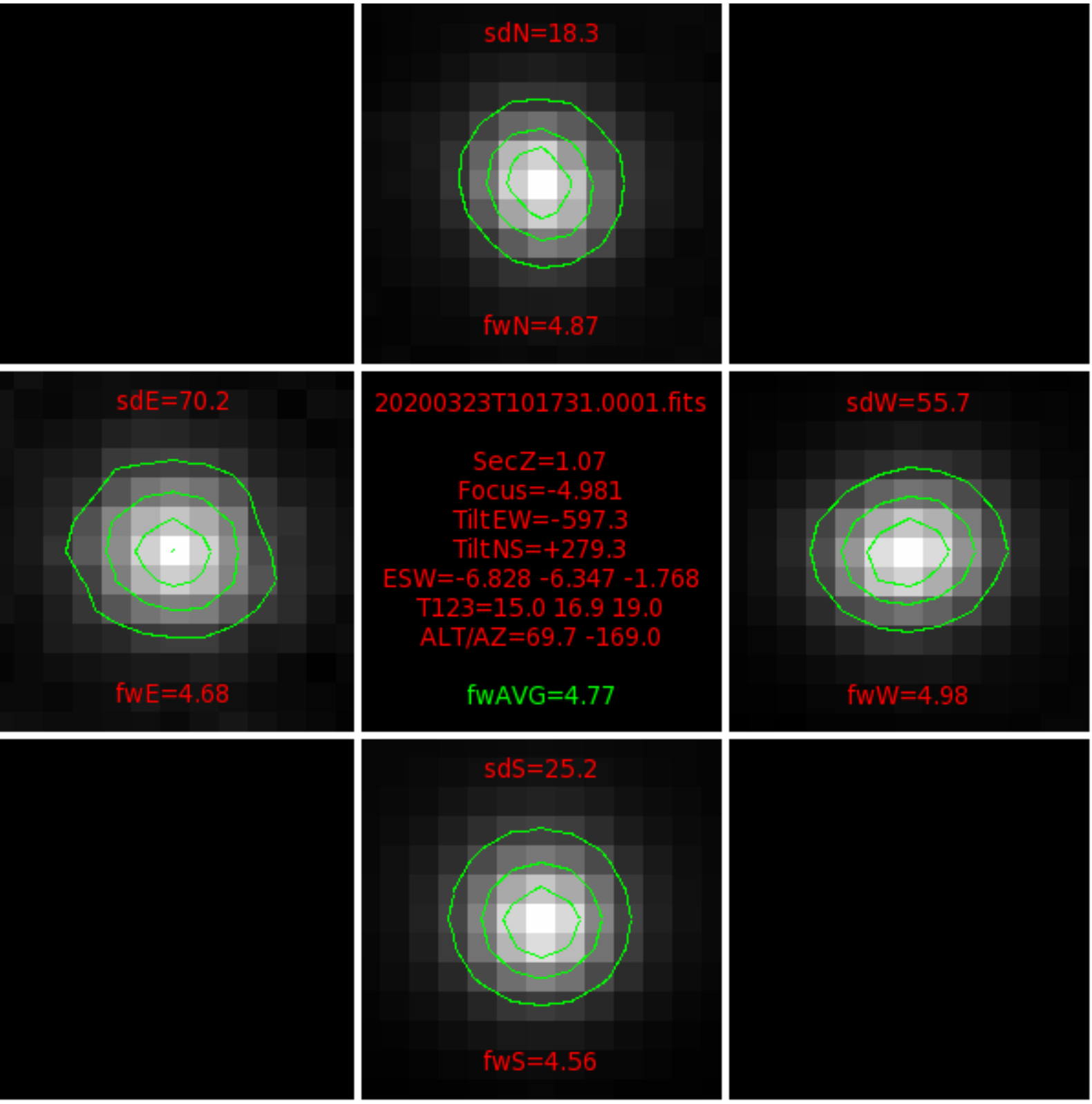
sdN=18.3
fwN=4.87
sdE=70.2
fwE=4.68
20200323T101731.0001.fits
SecZ=1.07
Focus=-4.981
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.828 -6.347 -1.768
T123=15.0 16.9 19.0
ALT/AZ=69.7 -169.0
fwAVG=4.77
sdW=55.7
fwW=4.98
sdS=25.2
fwS=4.56
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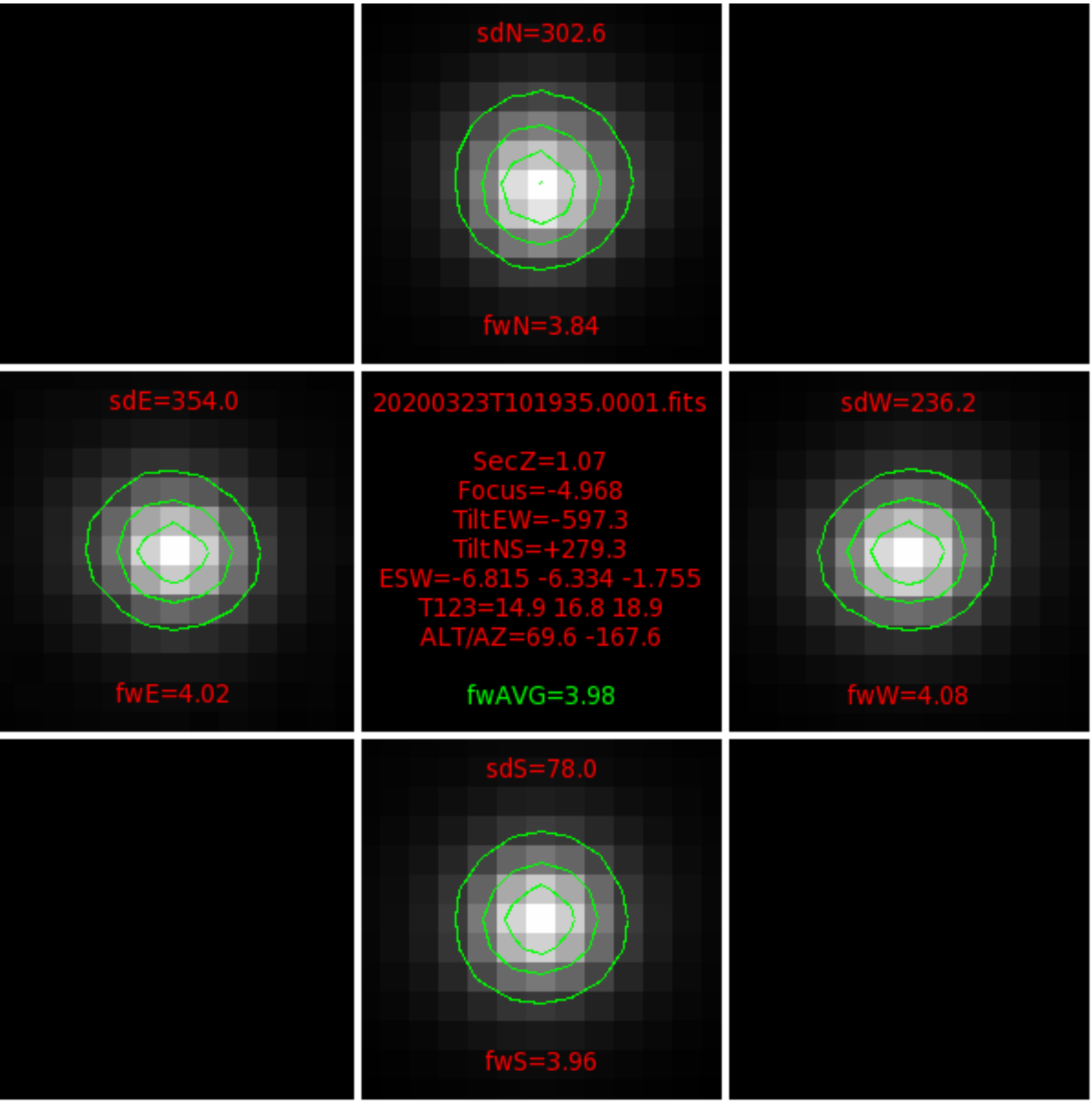
sdN=302.6
fwN=3.84
sdE=354.0
fwE=4.02
20200323T101935.0001.fits
SecZ=1.07
Focus=-4.968
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.815 -6.334 -1.755
T123=14.9 16.8 18.9
ALT/AZ=69.6 -167.6
fwAVG=3.98
sdW=236.2
fwW=4.08
sdS=78.0
fwS=3.96
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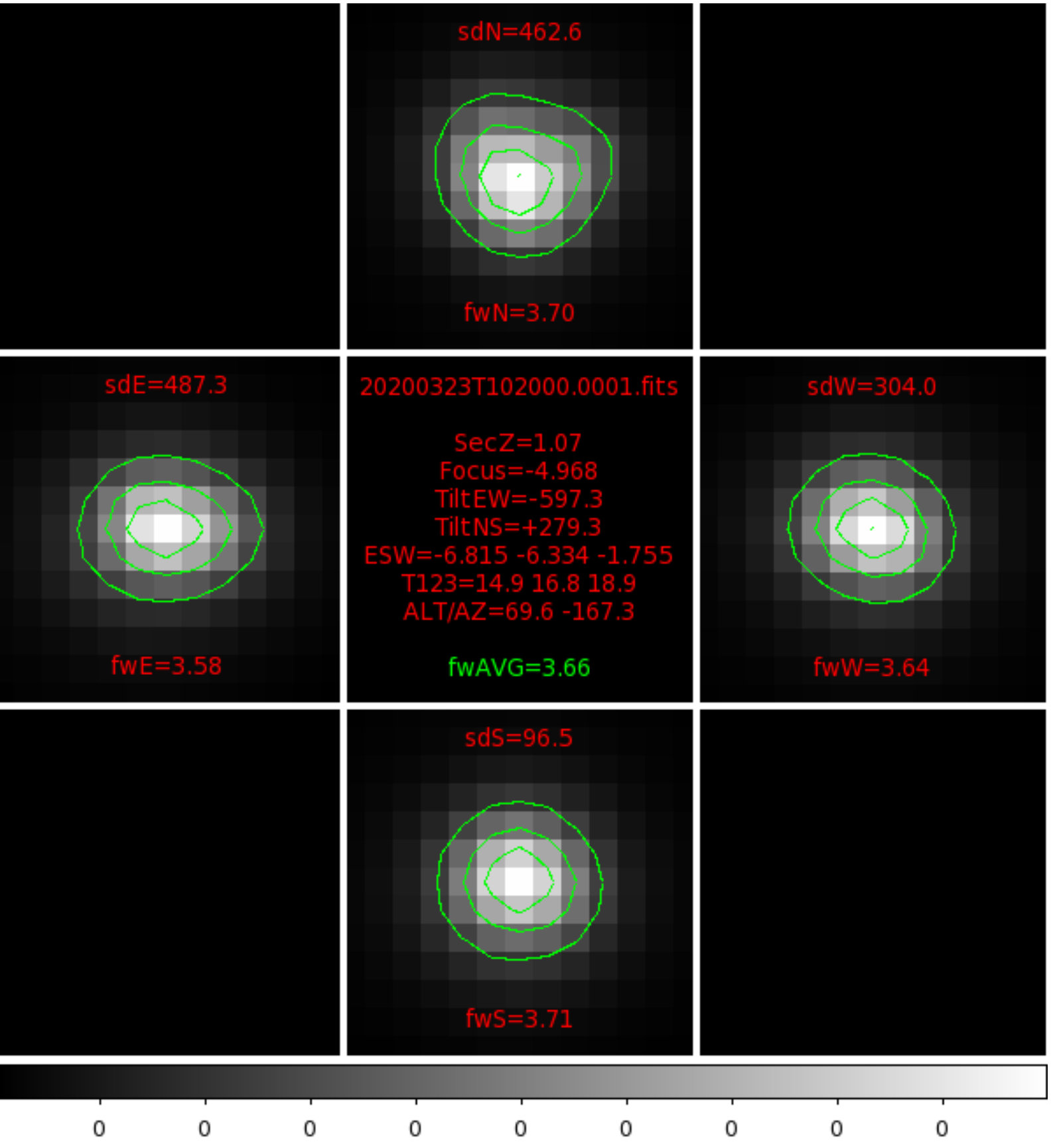
sdN=462.6
fwN=3.70
sdE=487.3
fwE=3.58
20200323T102000.0001.fits
SecZ=1.07
Focus=-4.968
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.815 -6.334 -1.755
T123=14.9 16.8 18.9
ALT/AZ=69.6 -167.3
fwAVG=3.66
sdW=304.0
fwW=3.64
sdS=96.5
fwS=3.71
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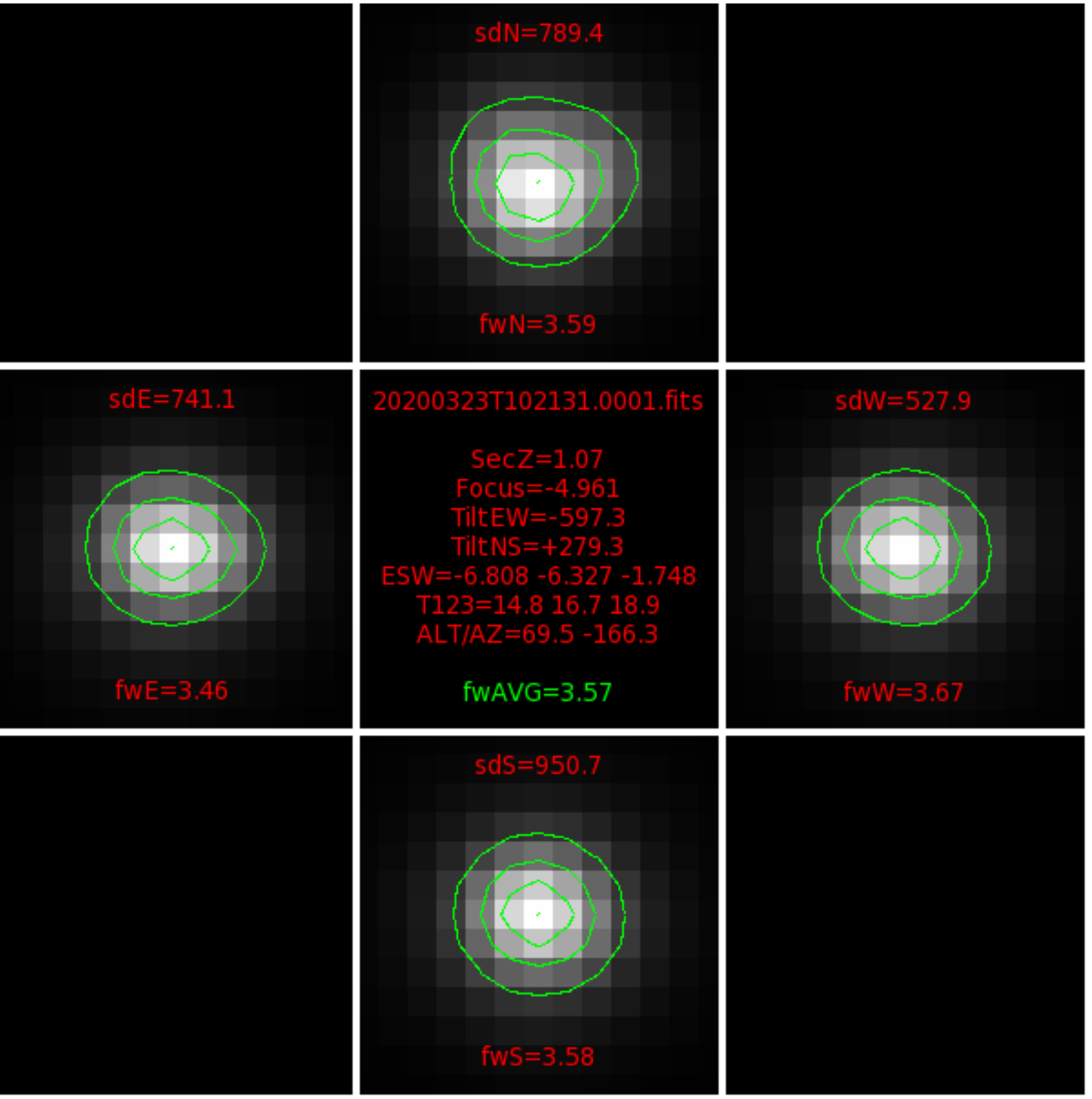
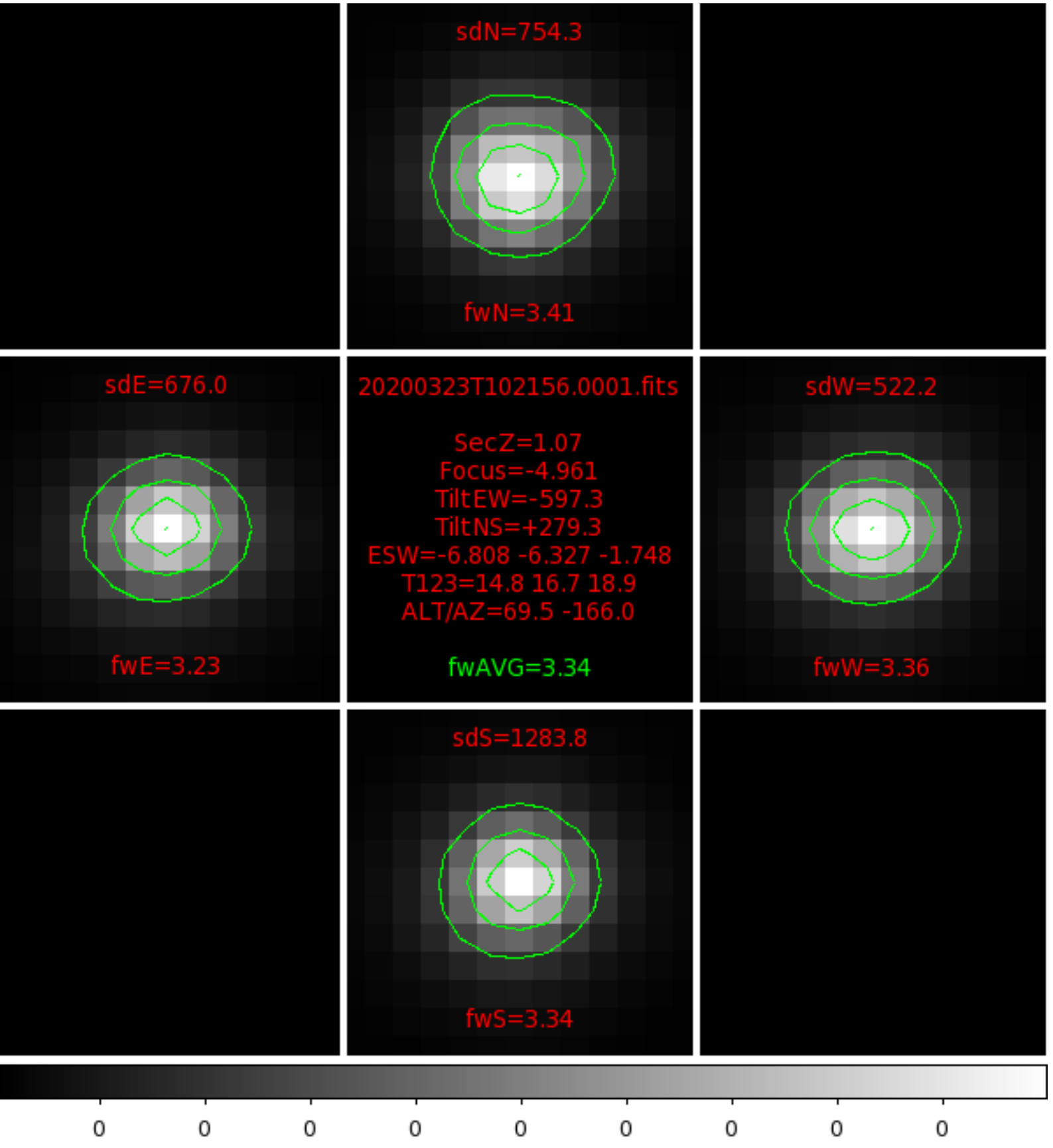

sdN=789.4
fwN=3.59
sdE=741.1
fwE=3.46
20200323T102131.0001.fits
SecZ=1.07
Focus=-4.961
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.808 -6.327 -1.748
T123=14.8 16.7 18.9
ALT/AZ=69.5 -166.3
fwAVG=3.57
sdW=527.9
fwW=3.67
sdS=950.7
fwS=3.58
0 0 0 0 0 0 0 0 0


sdN=754.3
fwN=3.41
sdE=676.0
fwE=3.23
20200323T102156.0001.fits
SecZ=1.07
Focus=-4.961
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.808 -6.327 -1.748
T123=14.8 16.7 18.9
ALT/AZ=69.5 -166.0
fwAVG=3.34
sdW=522.2
fwW=3.36
sdS=1283.8
fwS=3.34
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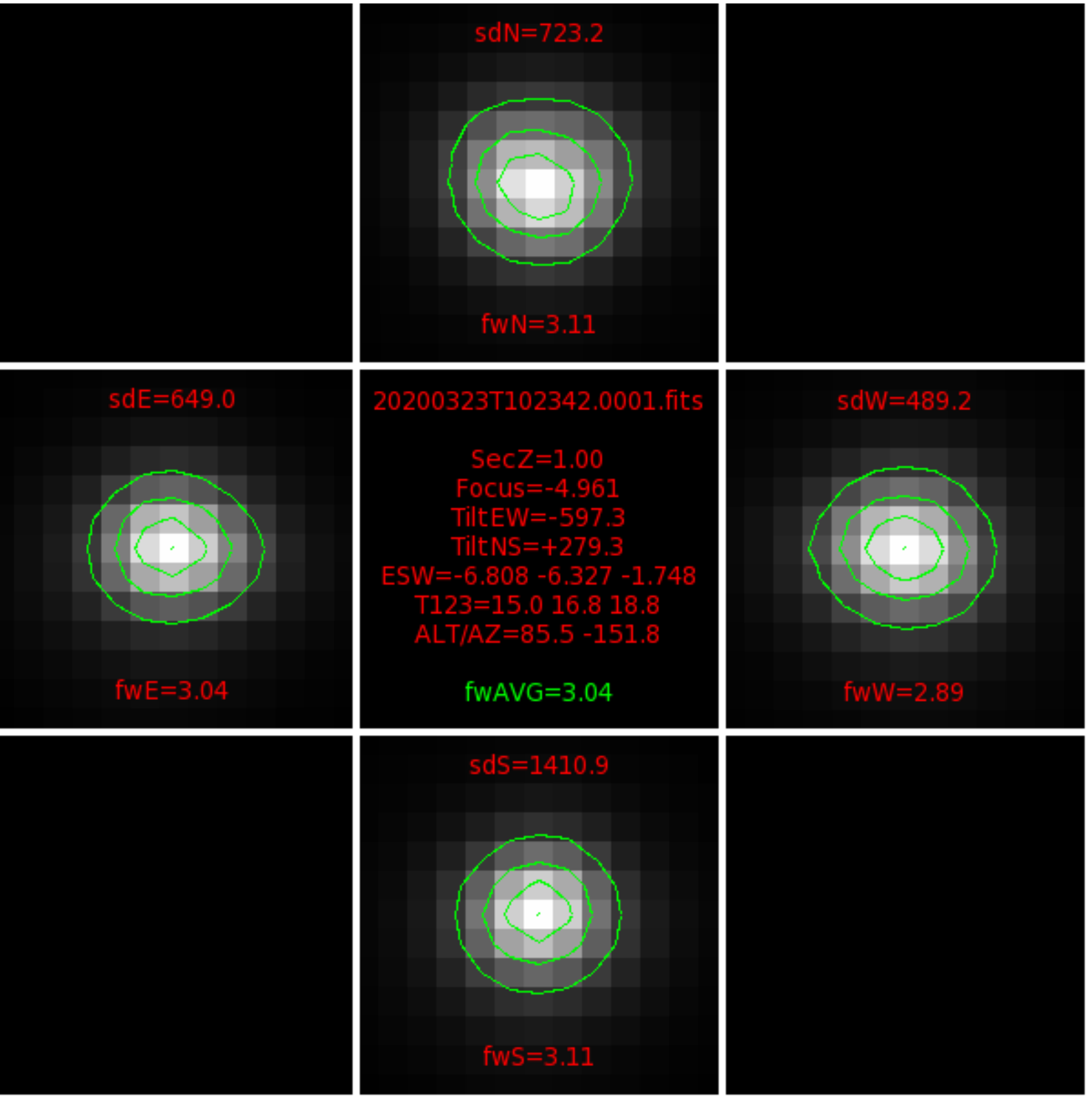
sdN=723.2
fwN=3.11
sdE=649.0
fwE=3.04
20200323T102342.0001.fits
SecZ=1.00
Focus=-4.961
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.808 -6.327 -1.748
T123=15.0 16.8 18.8
ALT/AZ=85.5 -151.8
fwAVG=3.04
sdW=489.2
fwW=2.89
sdS=1410.9
fwS=3.11
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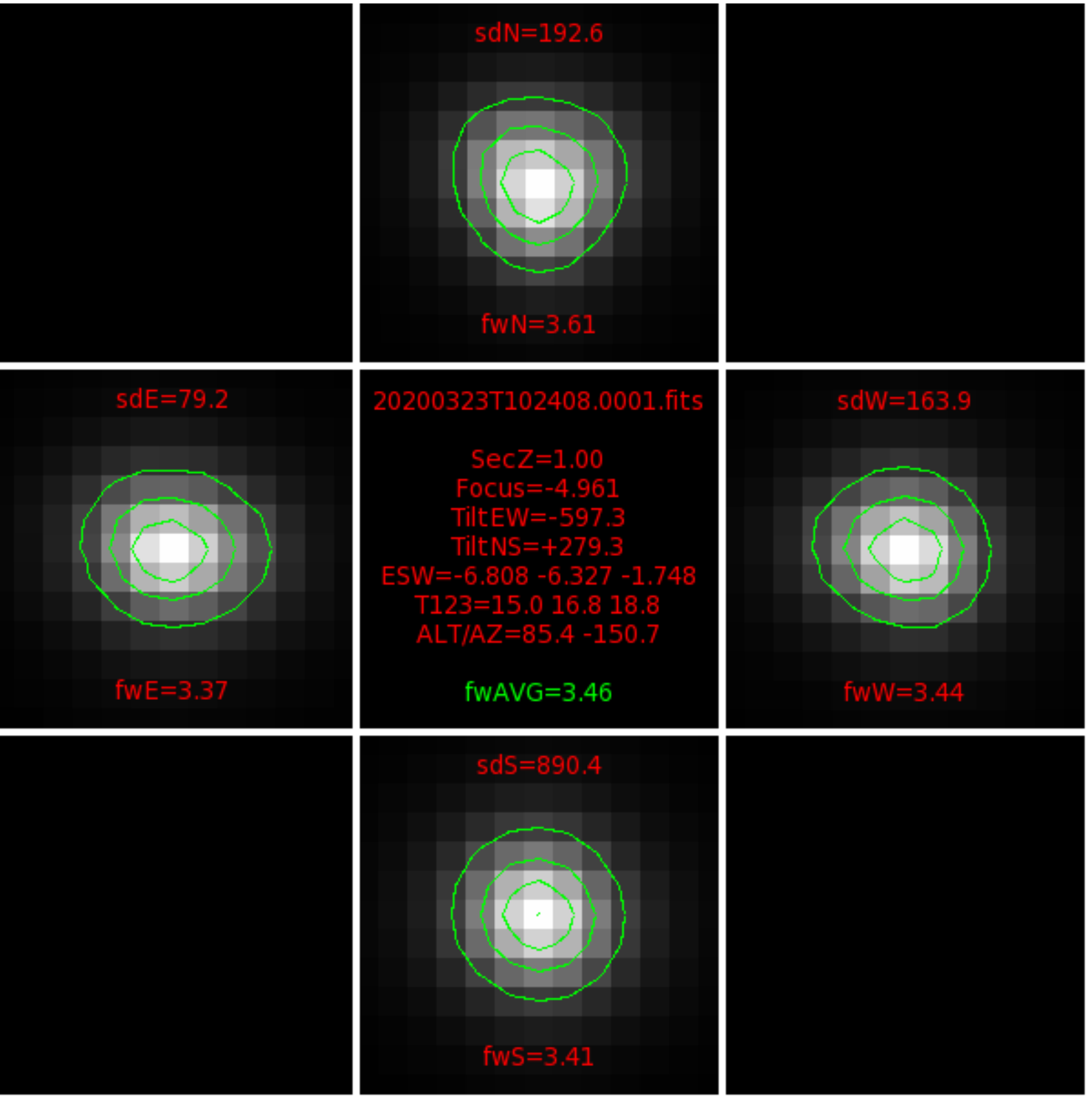
sdN=192.6
fwN=3.61
sdE=79.2
fwE=3.37
20200323T102408.0001.fits
SecZ=1.00
Focus=-4.961
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.808 -6.327 -1.748
T123=15.0 16.8 18.8
ALT/AZ=85.4 -150.7
fwAVG=3.46
sdW=163.9
fwW=3.44
sdS=890.4
fwS=3.41
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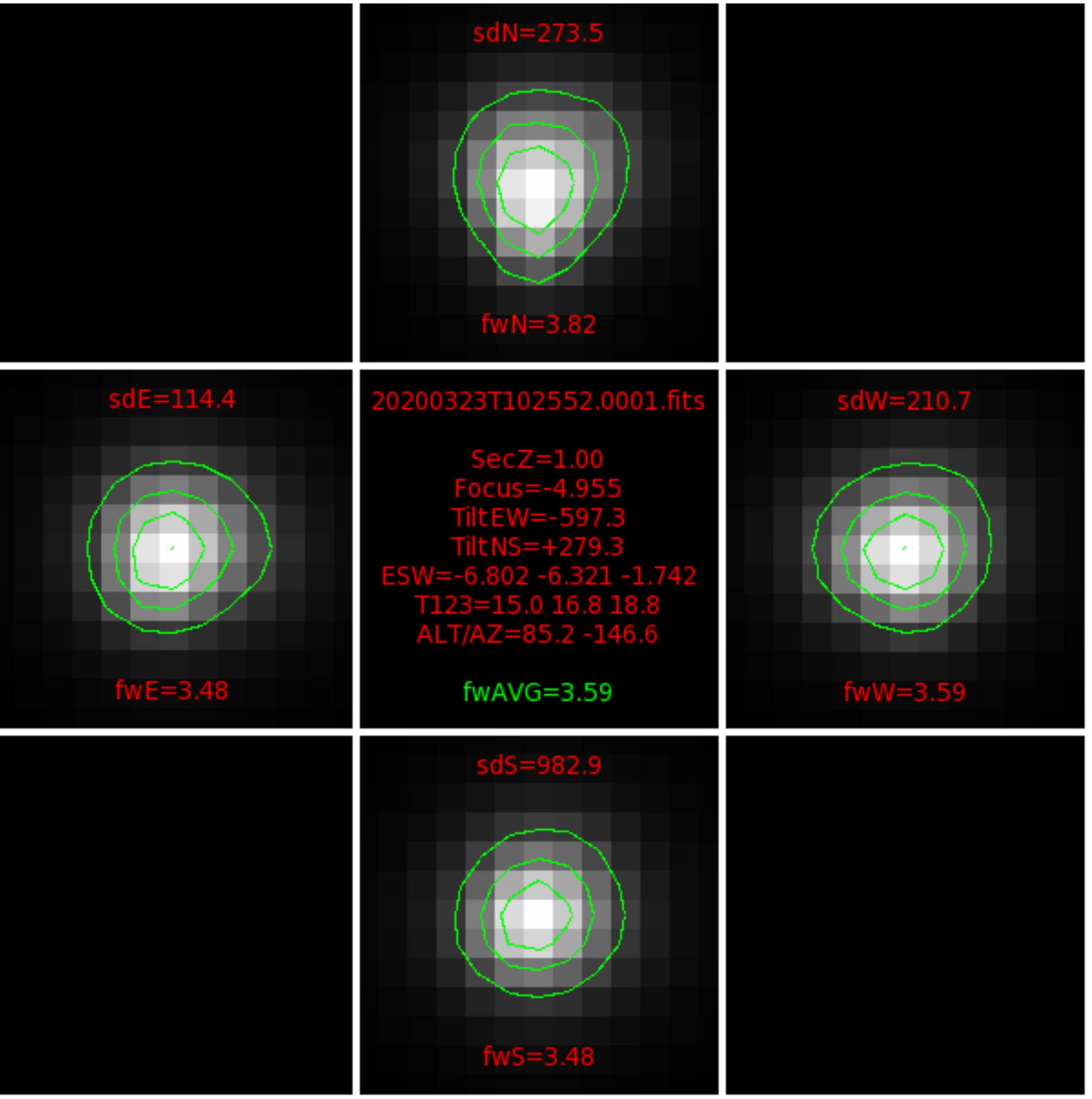
sdN=273.5
fwN=3.82
sdE=114.4
fwE=3.48
20200323T102552.0001.fits
SecZ=1.00
Focus=-4.955
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.802 -6.321 -1.742
T123=15.0 16.8 18.8
ALT/AZ=85.2 -146.6
fwAVG=3.59
sdW=210.7
fwW=3.59
sdS=982.9
fwS=3.48
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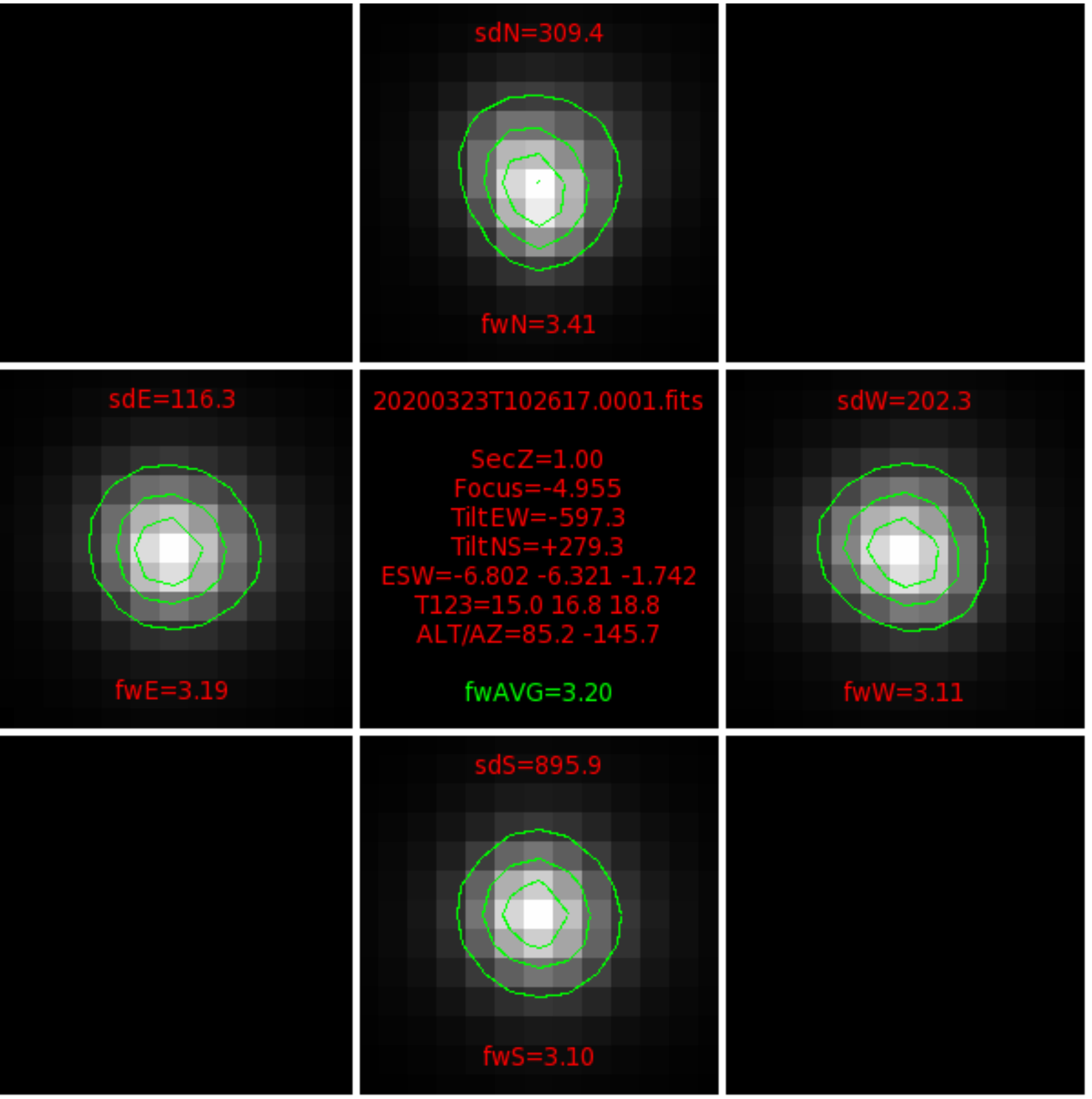
sdN=309.4
fwN=3.41
sdE=116.3
fwE=3.19
20200323T102617.0001.fits
SecZ=1.00
Focus=-4.955
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.802 -6.321 -1.742
T123=15.0 16.8 18.8
ALT/AZ=85.2 -145.7
fwAVG=3.20
sdW=202.3
fwW=3.11
sdS=895.9
fwS=3.10
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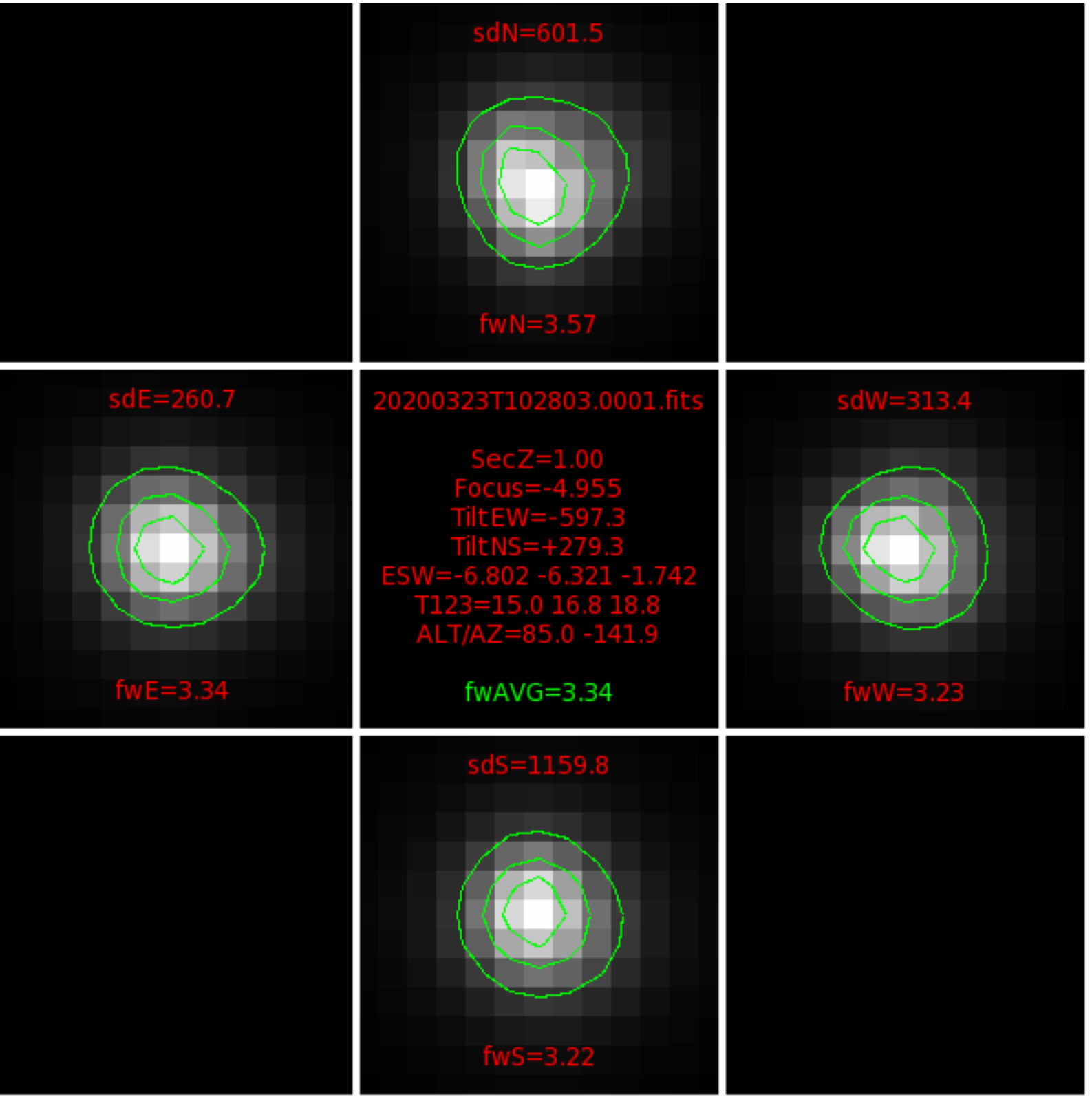
sdN=601.5
fwN=3.57
sdE=260.7
fwE=3.34
20200323T102803.0001.fits
SecZ=1.00
Focus=-4.955
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.802 -6.321 -1.742
T123=15.0 16.8 18.8
ALT/AZ=85.0 -141.9
fwAVG=3.34
sdW=313.4
fwW=3.23
sdS=1159.8
fwS=3.22
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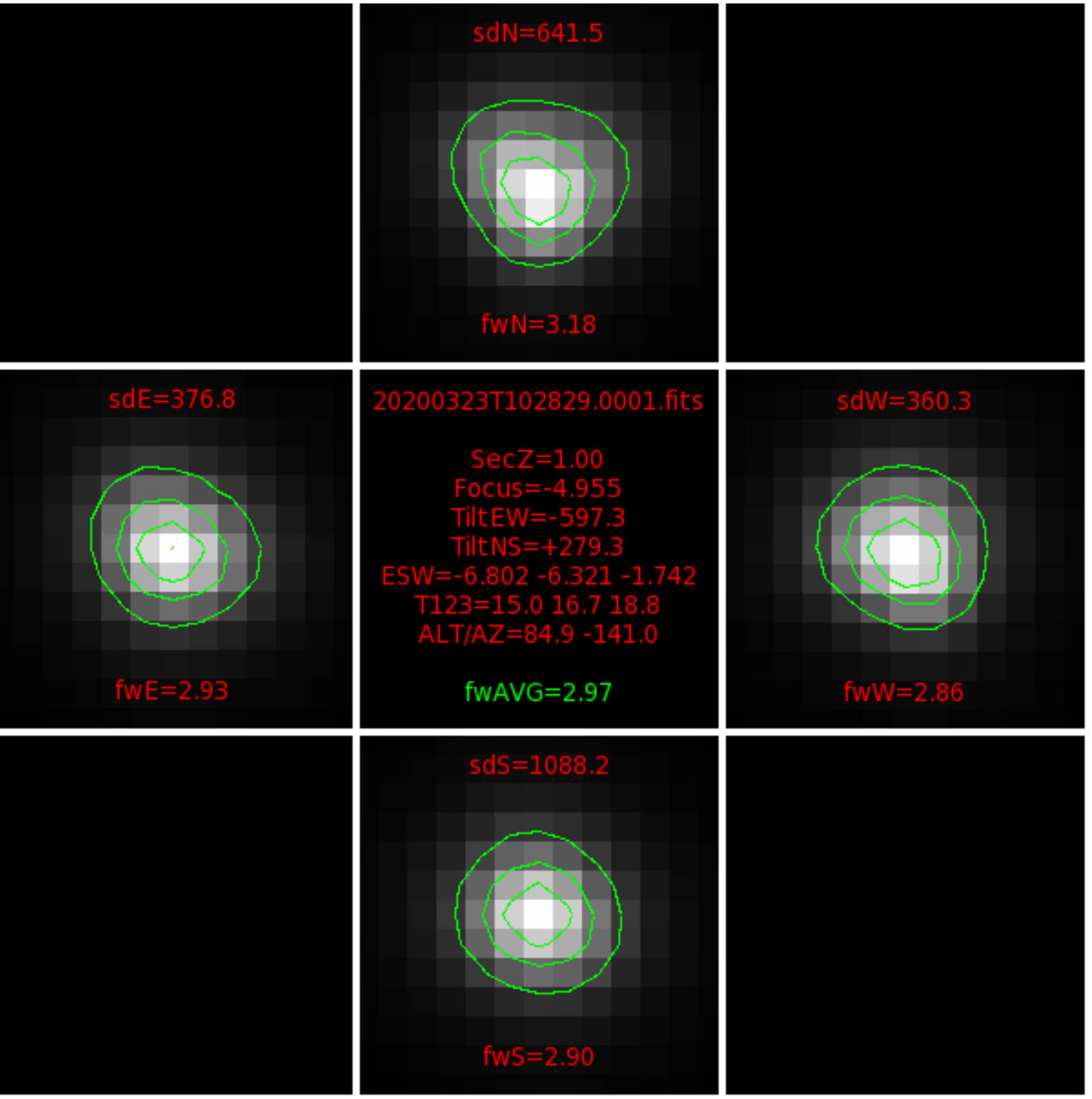
sdN=641.5
fwN=3.18
sdE=376.8
fwE=2.93
20200323T102829.0001.fits
SecZ=1.00
Focus=-4.955
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.802 -6.321 -1.742
T123=15.0 16.7 18.8
ALT/AZ=84.9 -141.0
fwAVG=2.97
sdW=360.3
fwW=2.86
sdS=1088.2
fwS=2.90
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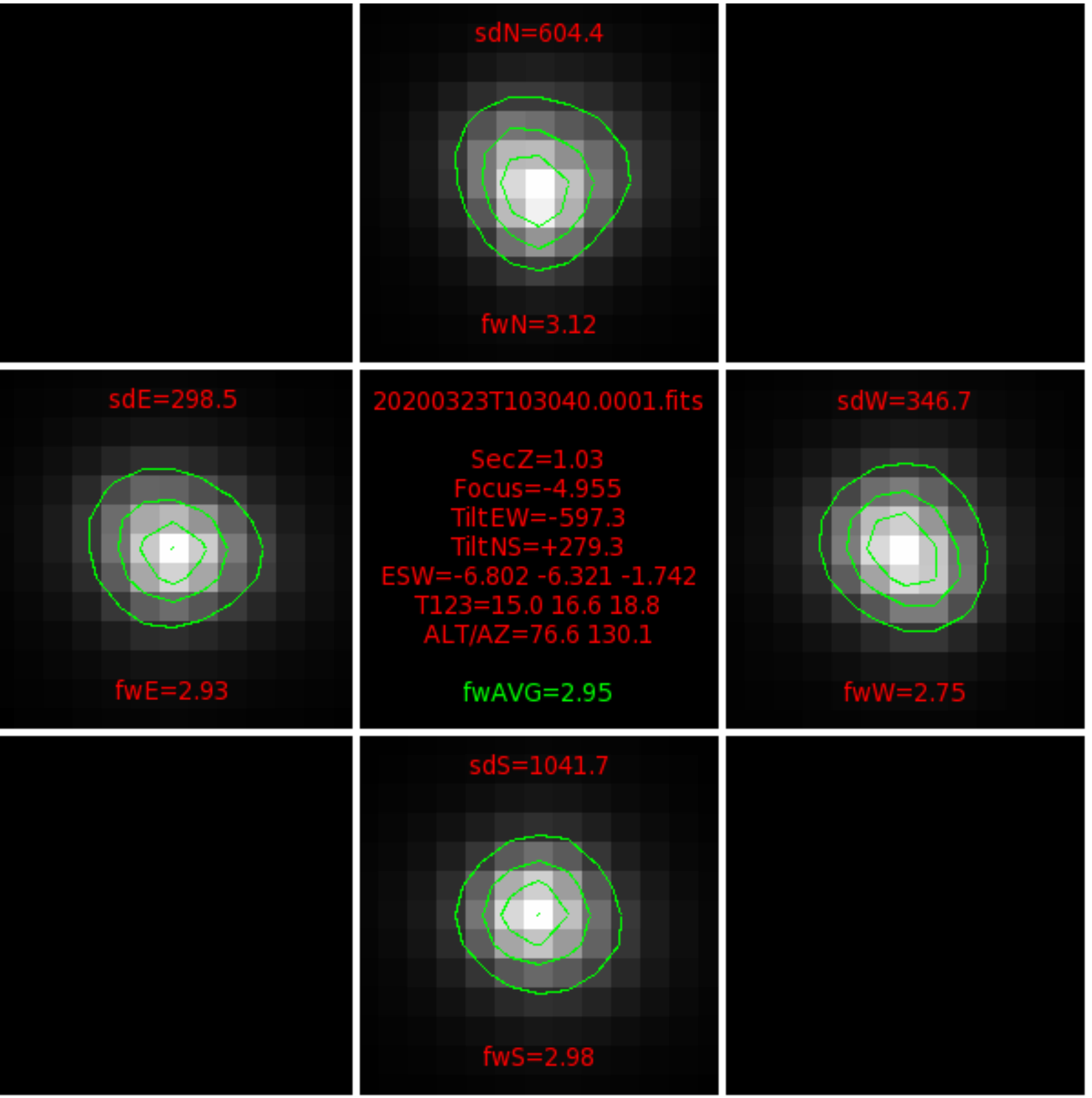
sdN=604.4
fwN=3.12
sdE=298.5
fwE=2.93
20200323T103040.0001.fits
SecZ=1.03
Focus=-4.955
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.802 -6.321 -1.742
T123=15.0 16.6 18.8
ALT/AZ=76.6 130.1
fwAVG=2.95
sdW=346.7
fwW=2.75
sdS=1041.7
fwS=2.98
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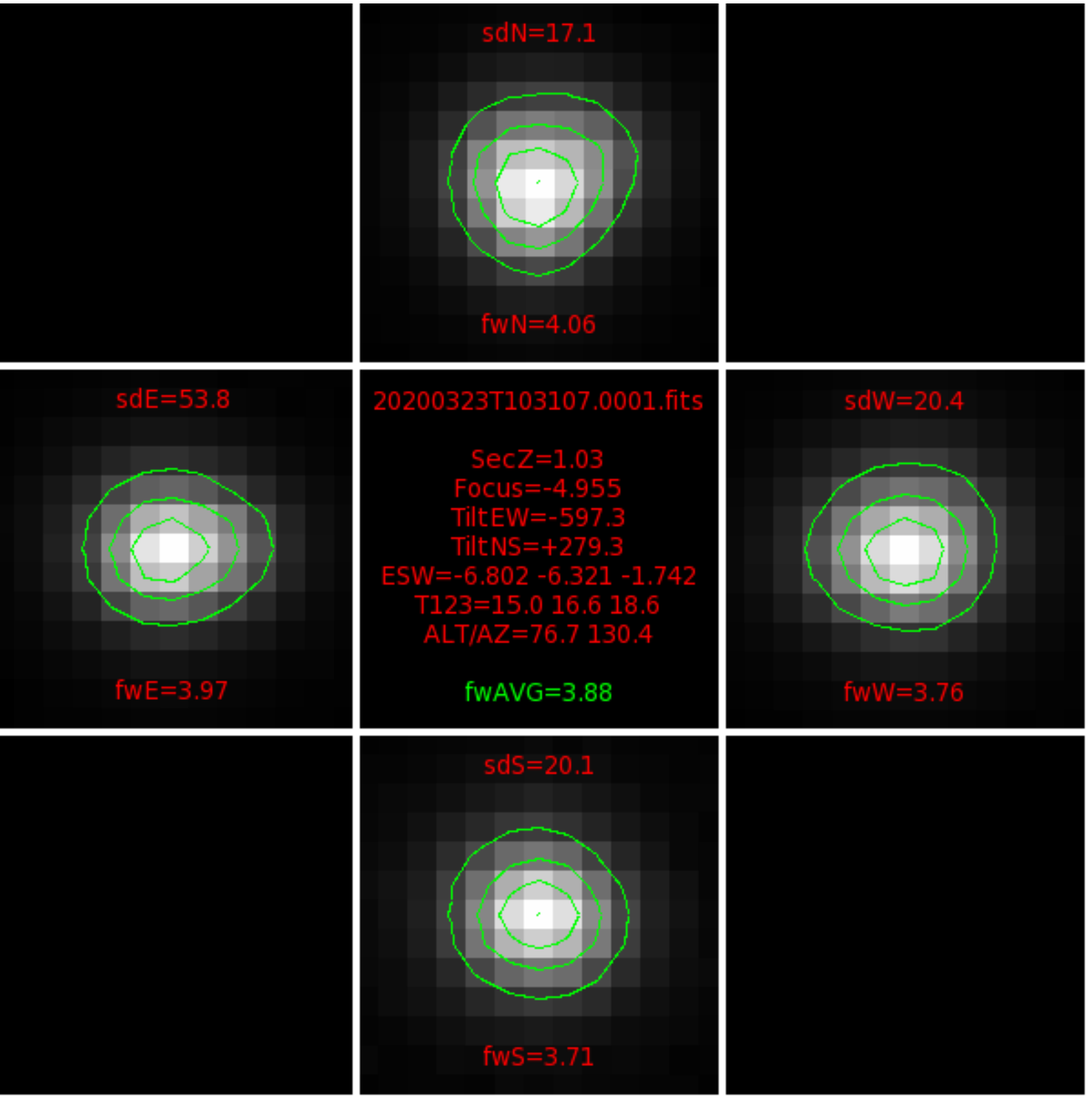
sdN=17.1
fwN=4.06
sdE=53.8
fwE=3.97
20200323T103107.0001.fits
SecZ=1.03
Focus=-4.955
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.802 -6.321 -1.742
T123=15.0 16.6 18.6
ALT/AZ=76.7 130.4
fwAVG=3.88
sdW=20.4
fwW=3.76
sdS=20.1
fwS=3.71
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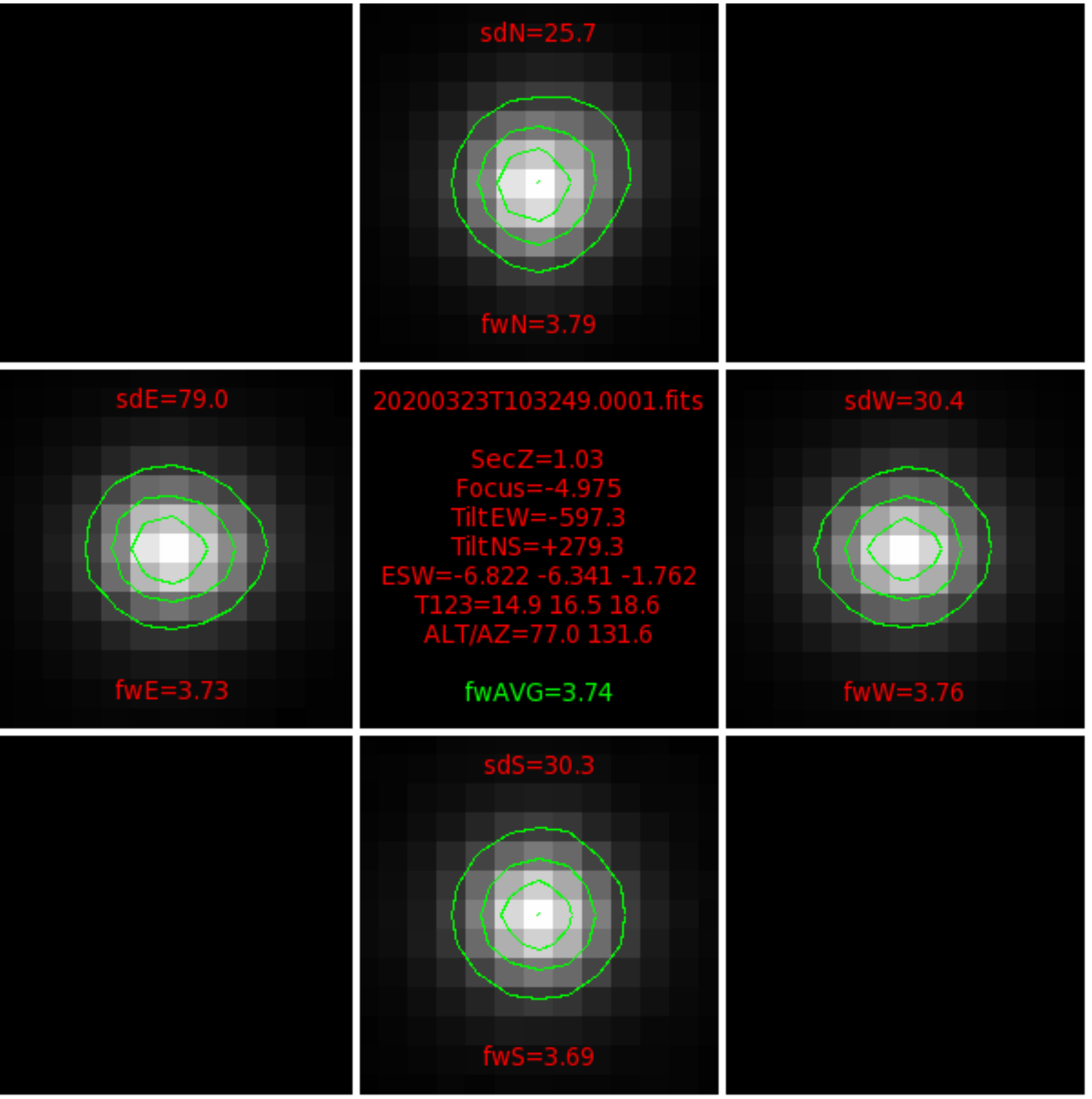
sdN=25.7
fwN=3.79
sdE=79.0
fwE=3.73
20200323T103249.0001.fits
SecZ=1.03
Focus=-4.975
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.822 -6.341 -1.762
T123=14.9 16.5 18.6
ALT/AZ=77.0 131.6
fwAVG=3.74
sdW=30.4
fwW=3.76
sdS=30.3
fwS=3.69
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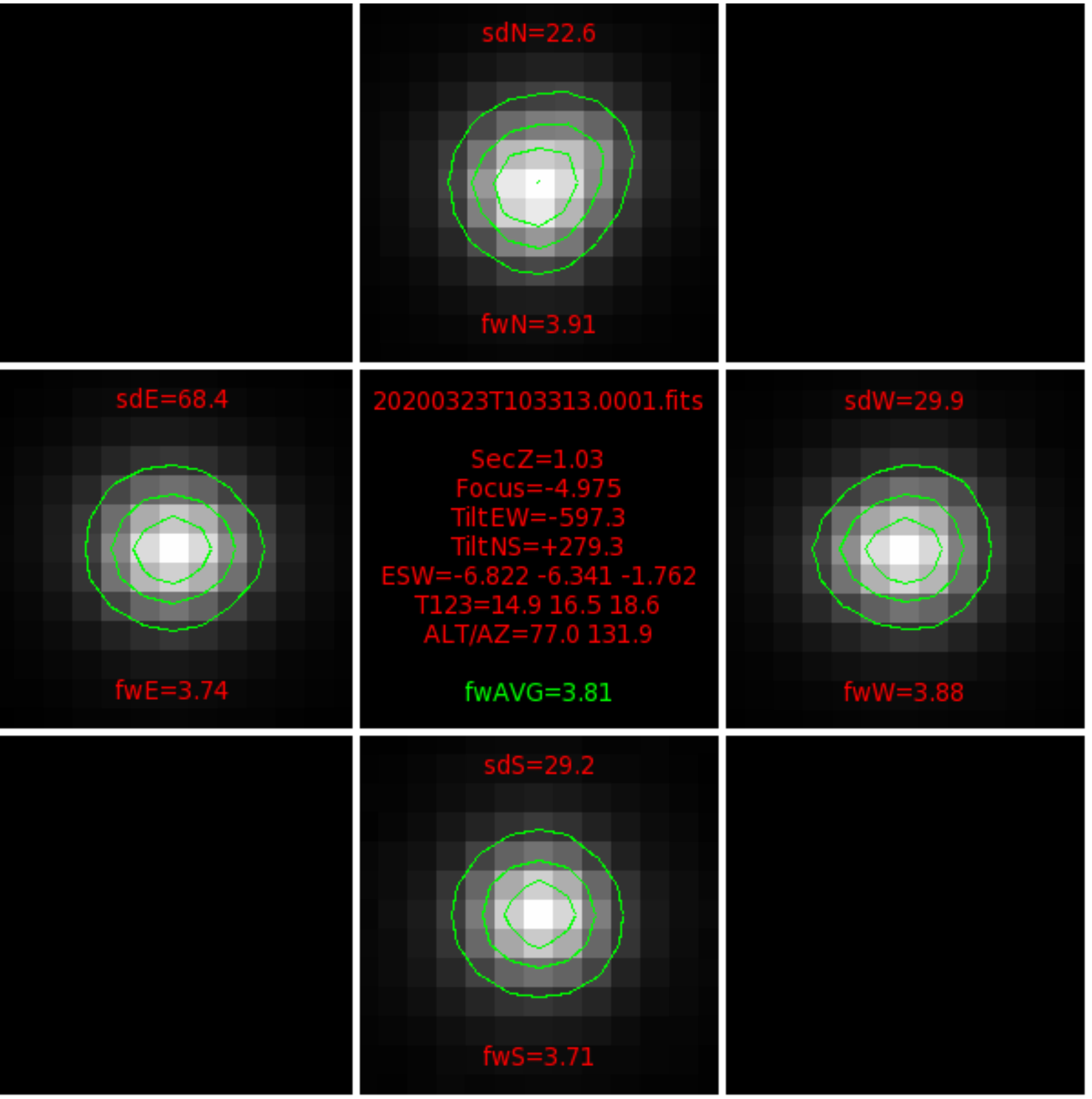
sdN=22.6
fwN=3.91
sdE=68.4
fwE=3.74
20200323T103313.0001.fits
SecZ=1.03
Focus=-4.975
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.822 -6.341 -1.762
T123=14.9 16.5 18.6
ALT/AZ=77.0 131.9
fwAVG=3.81
sdW=29.9
fwW=3.88
sdS=29.2
fwS=3.71
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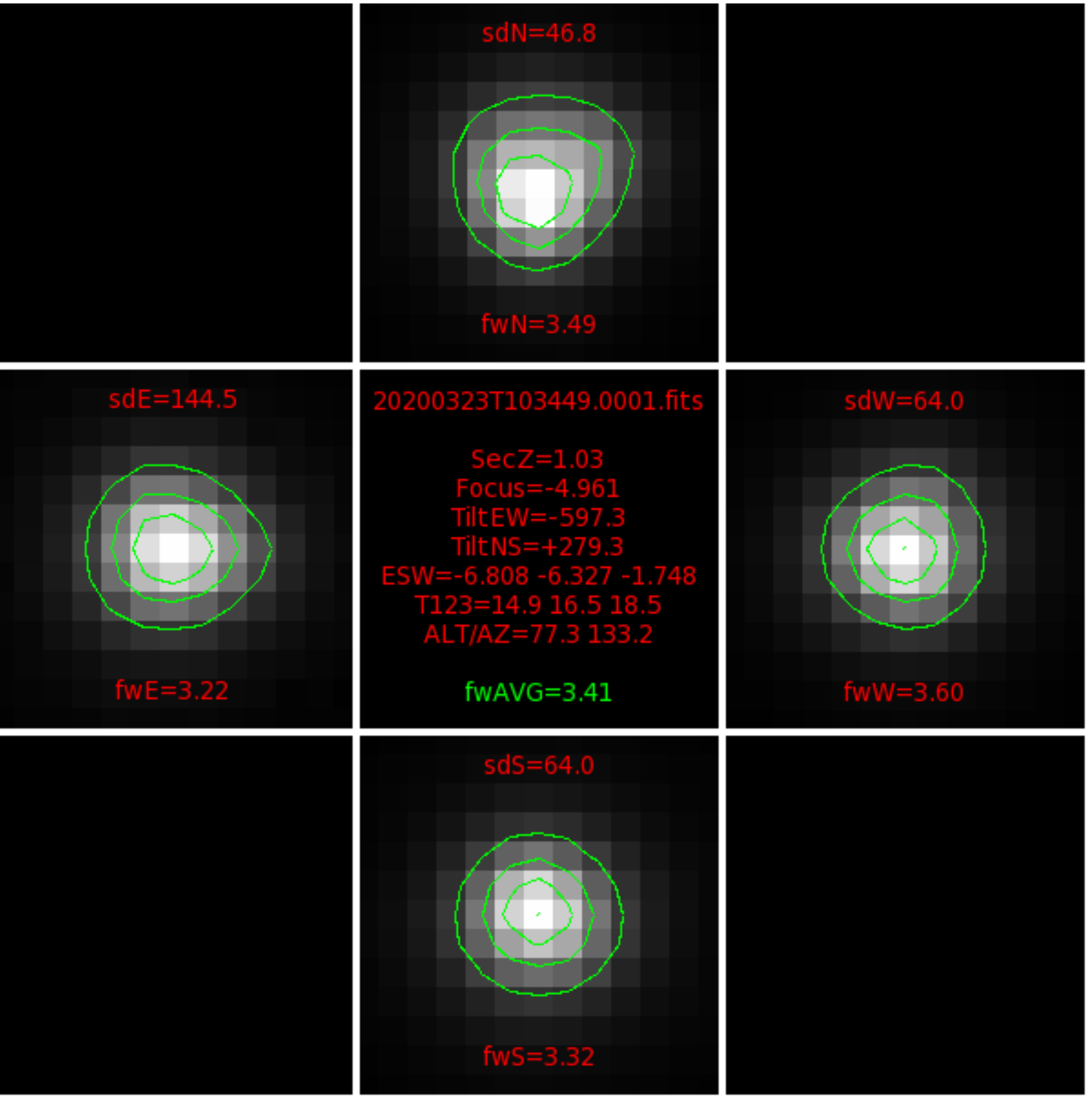
sdN=46.8
fwN=3.49
sdE=144.5
fwE=3.22
20200323T103449.0001.fits
SecZ=1.03
Focus=-4.961
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.808 -6.327 -1.748
T123=14.9 16.5 18.5
ALT/AZ=77.3 133.2
fwAVG=3.41
sdW=64.0
fwW=3.60
sdS=64.0
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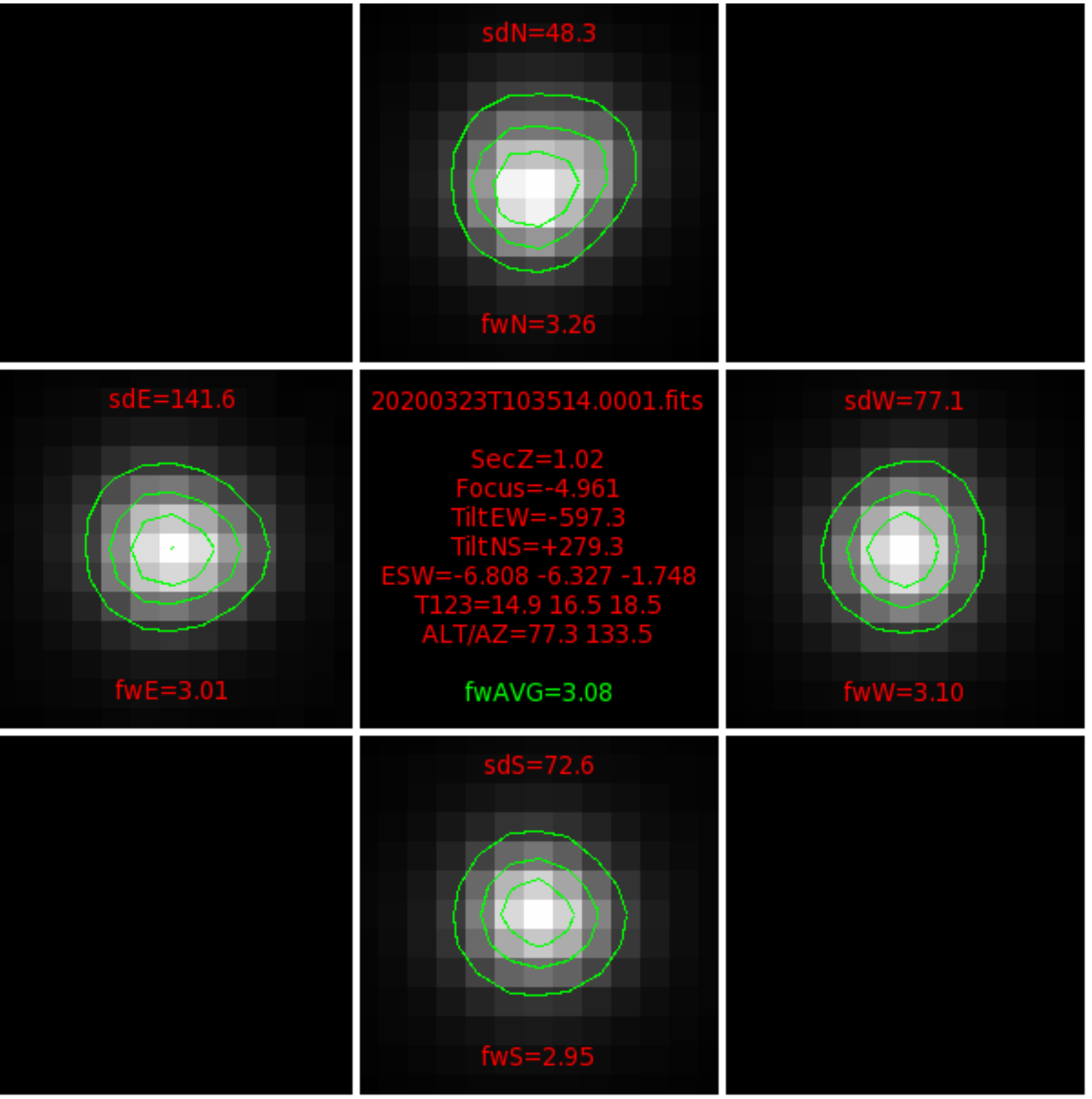
sdN=48.3
fwN=3.26
sdE=141.6
fwE=3.01
20200323T103514.0001.fits
SecZ=1.02
Focus=-4.961
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.808 -6.327 -1.748
T123=14.9 16.5 18.5
ALT/AZ=77.3 133.5
fwAVG=3.08
sdW=77.1
fwW=3.10
sdS=72.6
fwS=2.95
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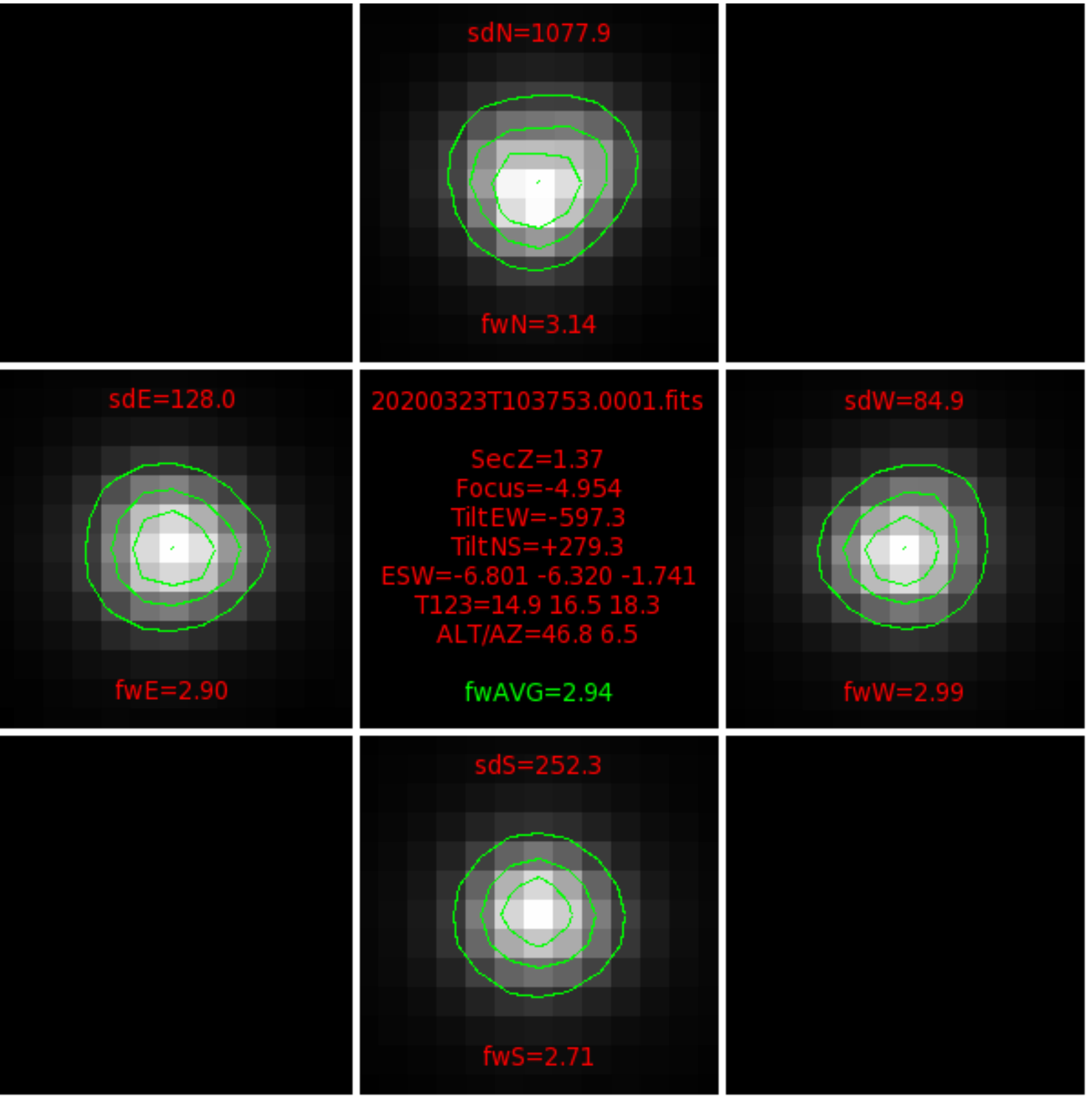
sdN=1077.9
fwN=3.14
sdE=128.0
fwE=2.90
20200323T103753.0001.fits
SecZ=1.37
Focus=-4.954
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.801 -6.320 -1.741
T123=14.9 16.5 18.3
ALT/AZ=46.8 6.5
fwAVG=2.94
sdW=84.9
fwW=2.99
sdS=252.3
fwS=2.71
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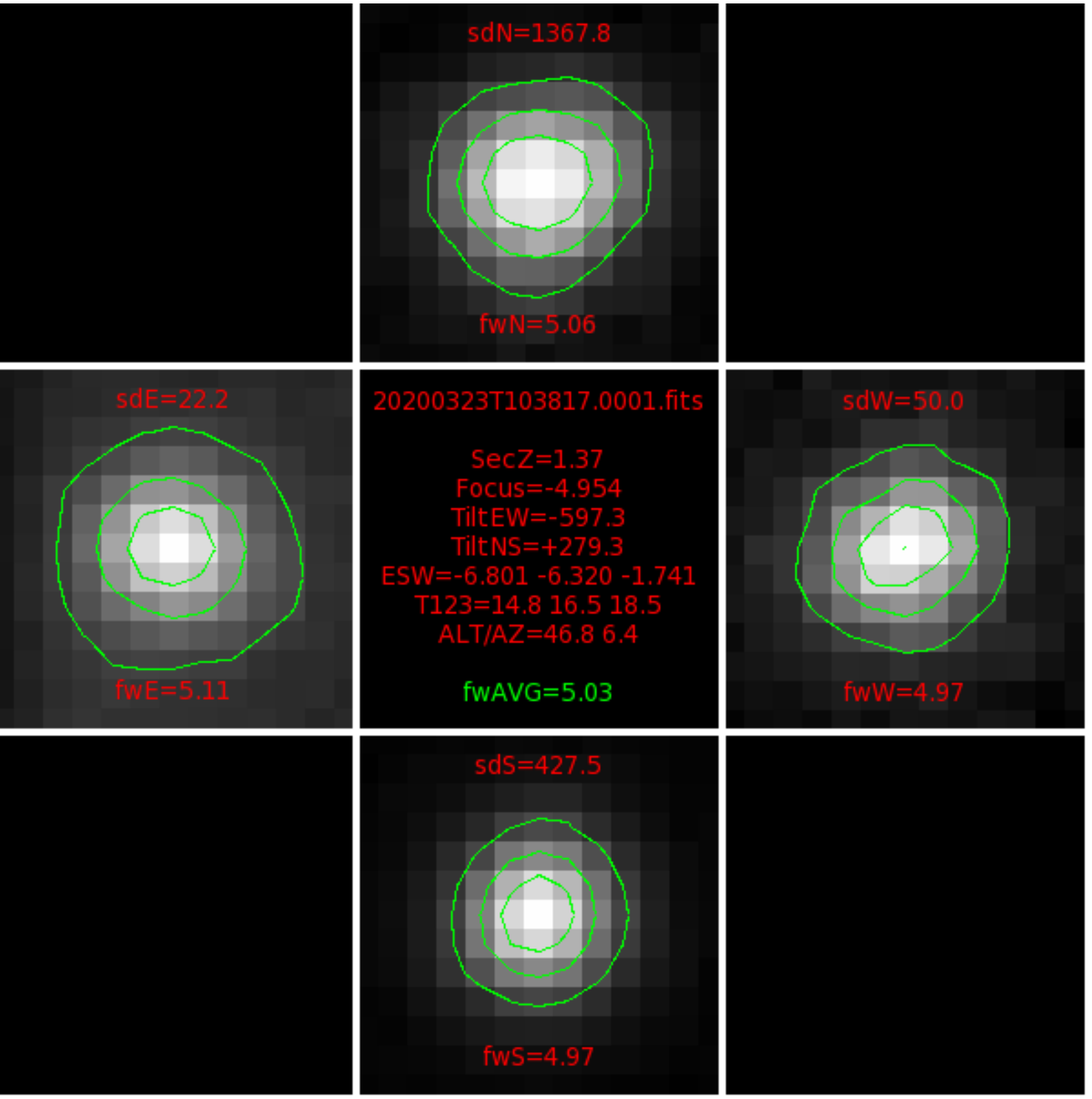
sdN=1367.8
fwN=5.06
sdE=22.2
fwE=5.11
20200323T103817.0001.fits
SecZ=1.37
Focus=-4.954
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.801 -6.320 -1.741
T123=14.8 16.5 18.5
ALT/AZ=46.8 6.4
fwAVG=5.03
sdW=50.0
fwW=4.97
sdS=427.5
fwS=4.97
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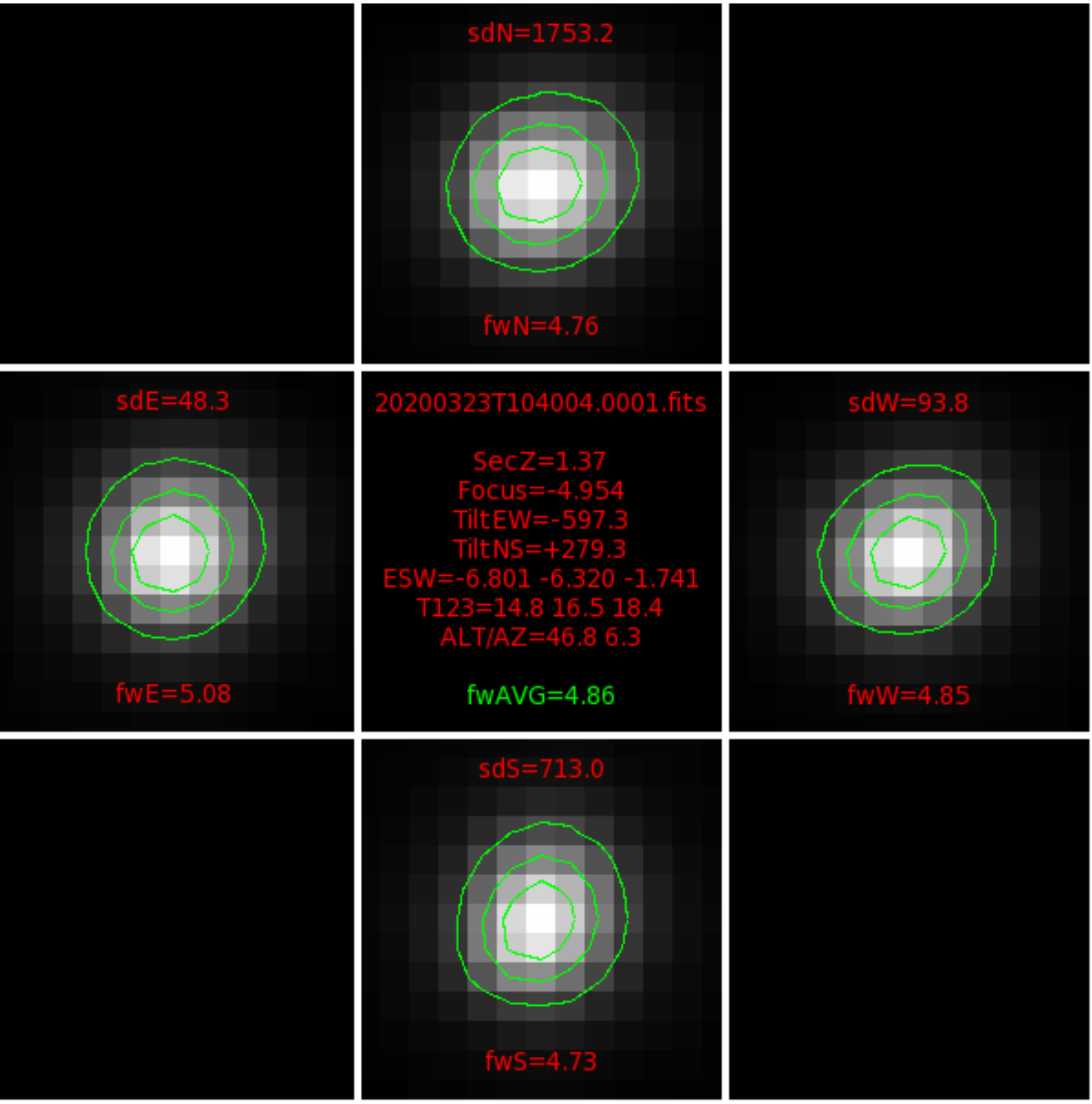
sdN=1753.2
fwN=4.76
sdE=48.3
fwE=5.08
20200323T104004.0001.fits
SecZ=1.37
Focus=-4.954
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.801 -6.320 -1.741
T123=14.8 16.5 18.4
ALT/AZ=46.8 6.3
fwAVG=4.86
sdW=93.8
fwW=4.85
sdS=713.0
fwS=4.73
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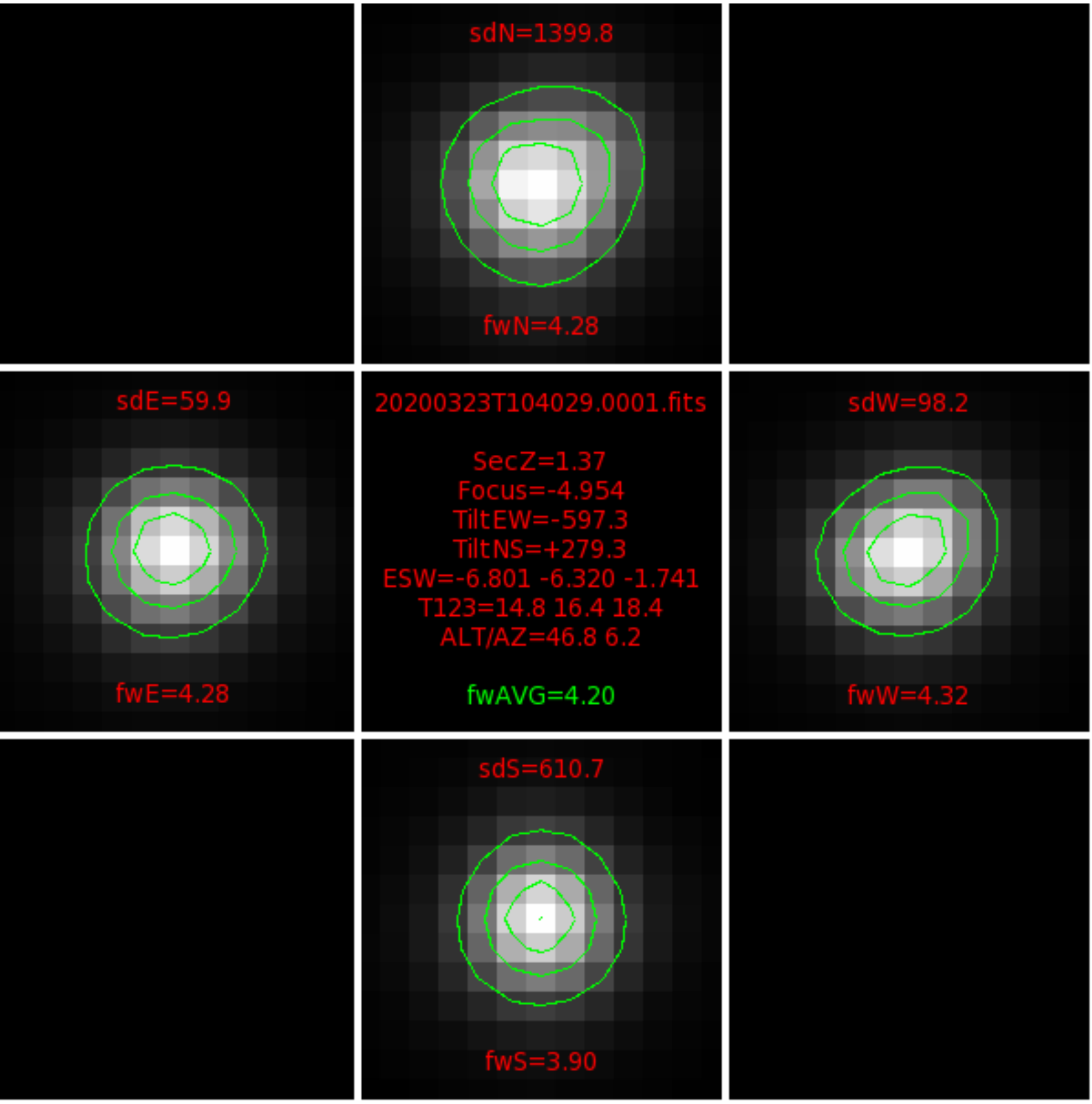
sdN=1399.8
fwN=4.28
sdE=59.9
fwE=4.28
20200323T104029.0001.fits
SecZ=1.37
Focus=-4.954
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.801 -6.320 -1.741
T123=14.8 16.4 18.4
ALT/AZ=46.8 6.2
fwAVG=4.20
sdW=98.2
fwW=4.32
sdS=610.7
fwS=3.90
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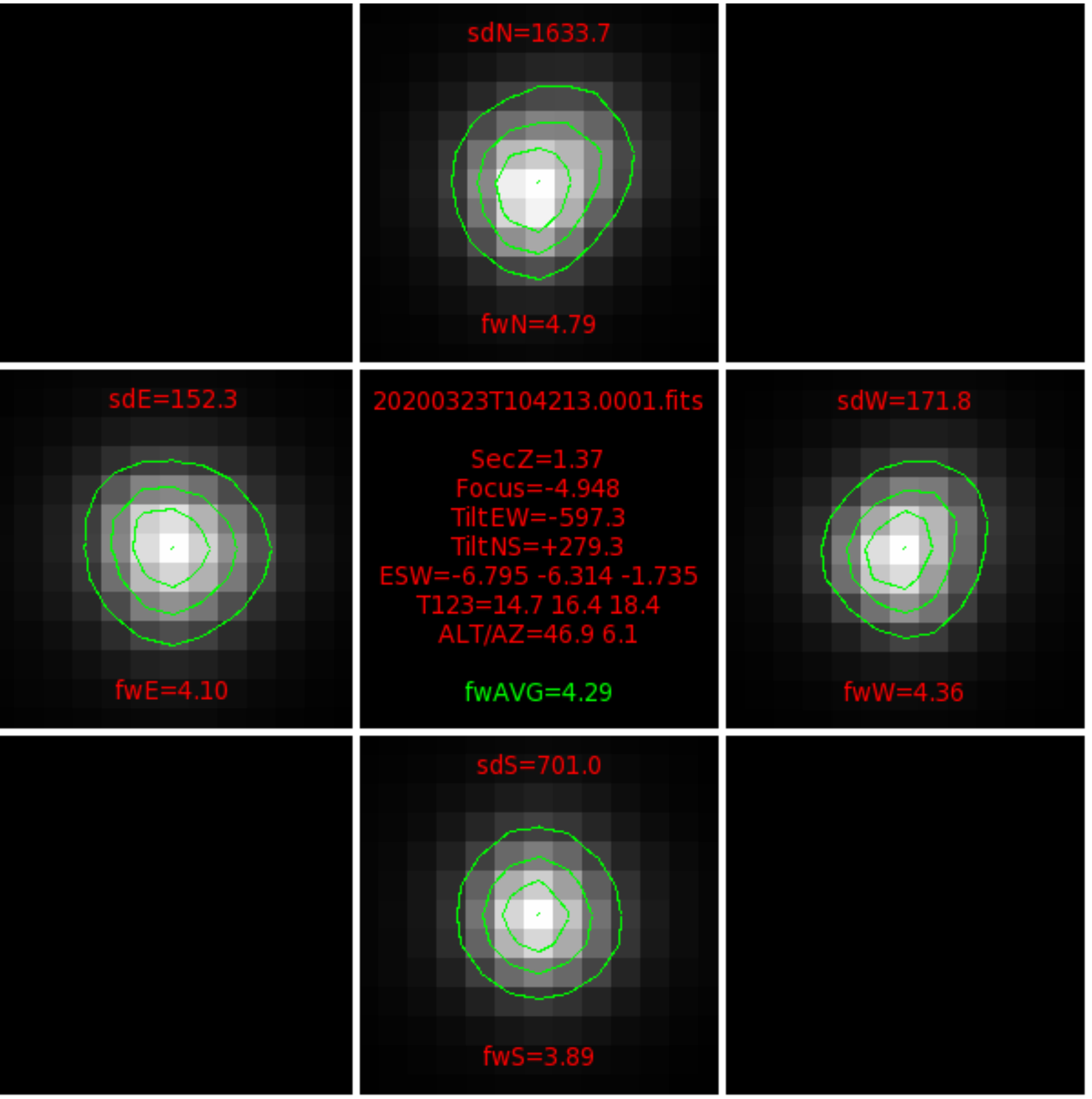
sdN=1633.7
fwN=4.79
sdE=152.3
fwE=4.10
20200323T104213.0001.fits
SecZ=1.37
Focus=-4.948
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.795 -6.314 -1.735
T123=14.7 16.4 18.4
ALT/AZ=46.9 6.1
fwAVG=4.29
sdW=171.8
fwW=4.36
sdS=701.0
fwS=3.89
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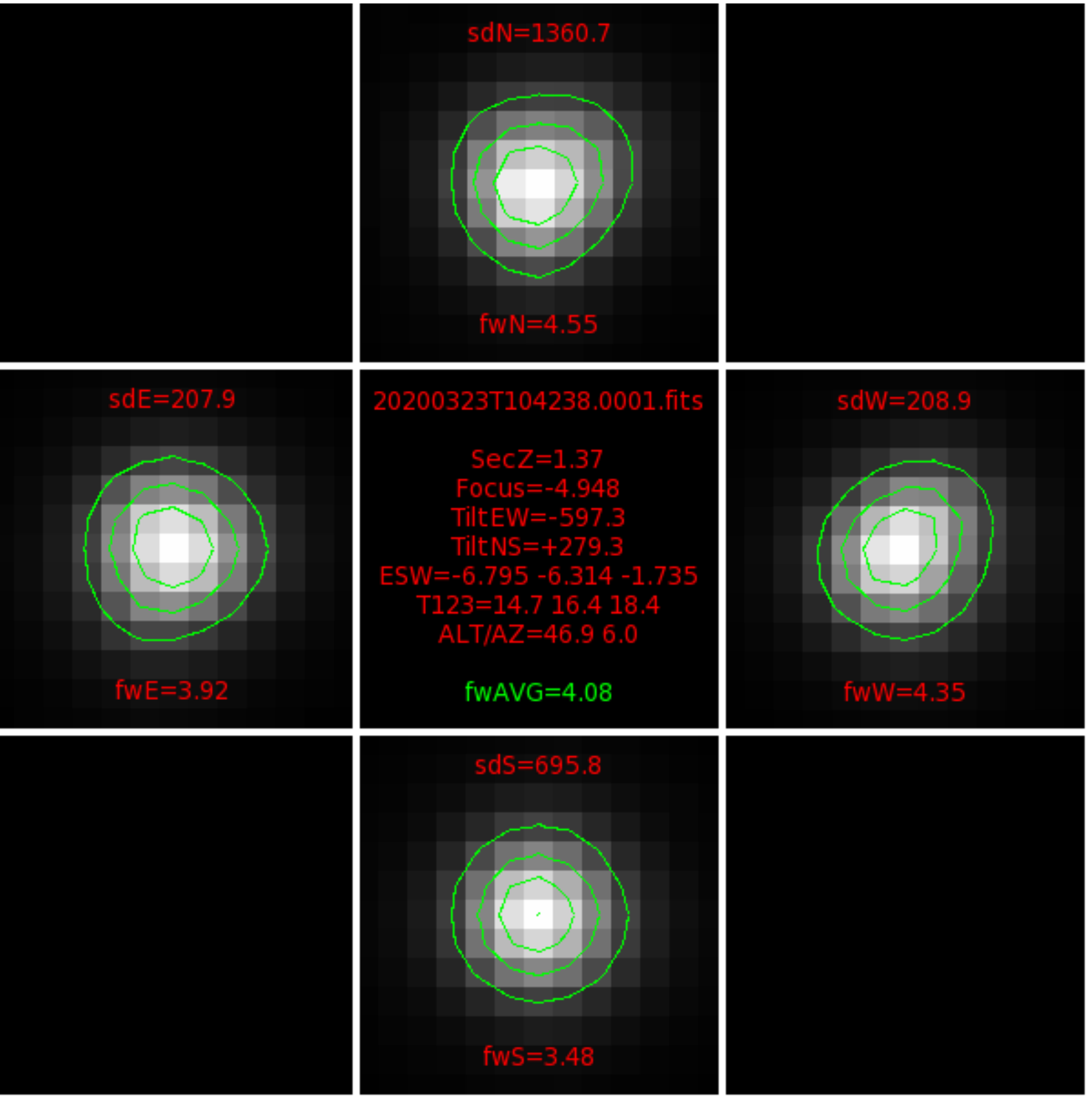
sdN=1360.7
fwN=4.55
sdE=207.9
fwE=3.92
20200323T104238.0001.fits
SecZ=1.37
Focus=-4.948
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.795 -6.314 -1.735
T123=14.7 16.4 18.4
ALT/AZ=46.9 6.0
fwAVG=4.08
sdW=208.9
fwW=4.35
sdS=695.8
fwS=3.48
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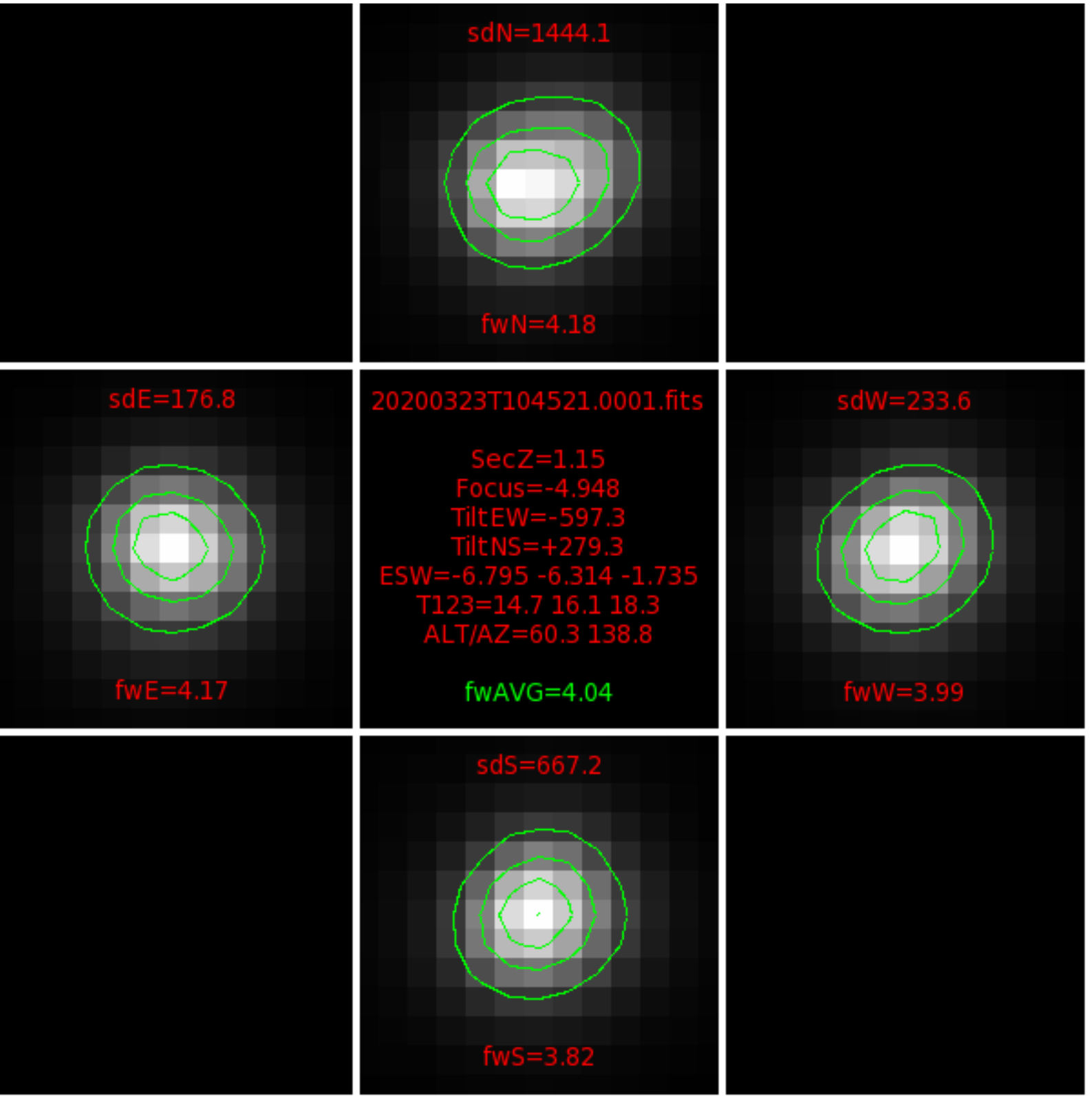
sdN=1444.1
fwN=4.18
sdE=176.8
fwE=4.17
20200323T104521.0001.fits
SecZ=1.15
Focus=-4.948
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.795 -6.314 -1.735
T123=14.7 16.1 18.3
ALT/AZ=60.3 138.8
fwAVG=4.04
sdW=233.6
fwW=3.99
sdS=667.2
fwS=3.82
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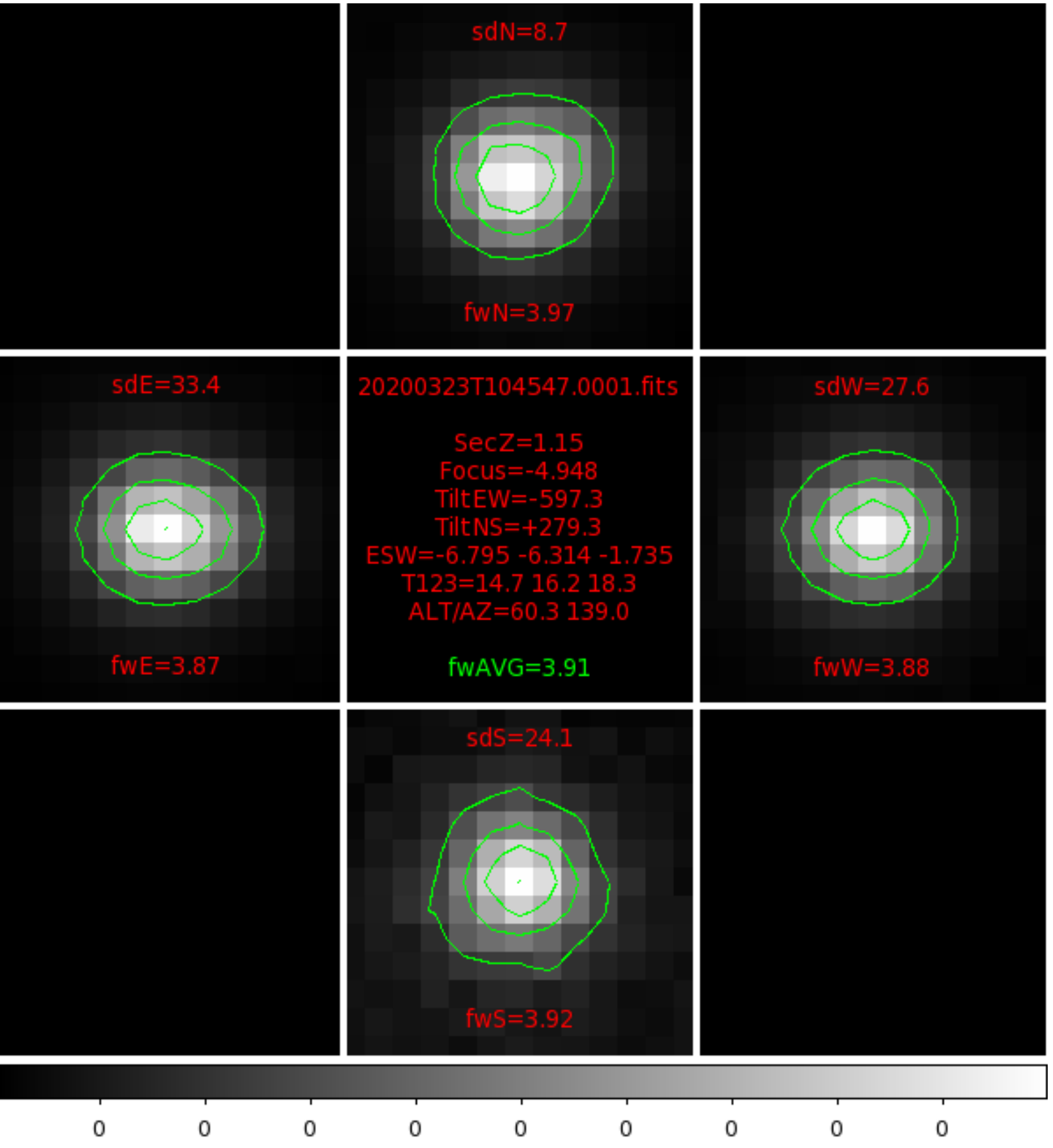
sdN=8.7
fwN=3.97
sdE=33.4
fwE=3.87
20200323T104547.0001.fits
SecZ=1.15
Focus=-4.948
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.795 -6.314 -1.735
T123=14.7 16.2 18.3
ALT/AZ=60.3 139.0
fwAVG=3.91
sdW=27.6
fwW=3.88
sdS=24.1
fwS=3.92
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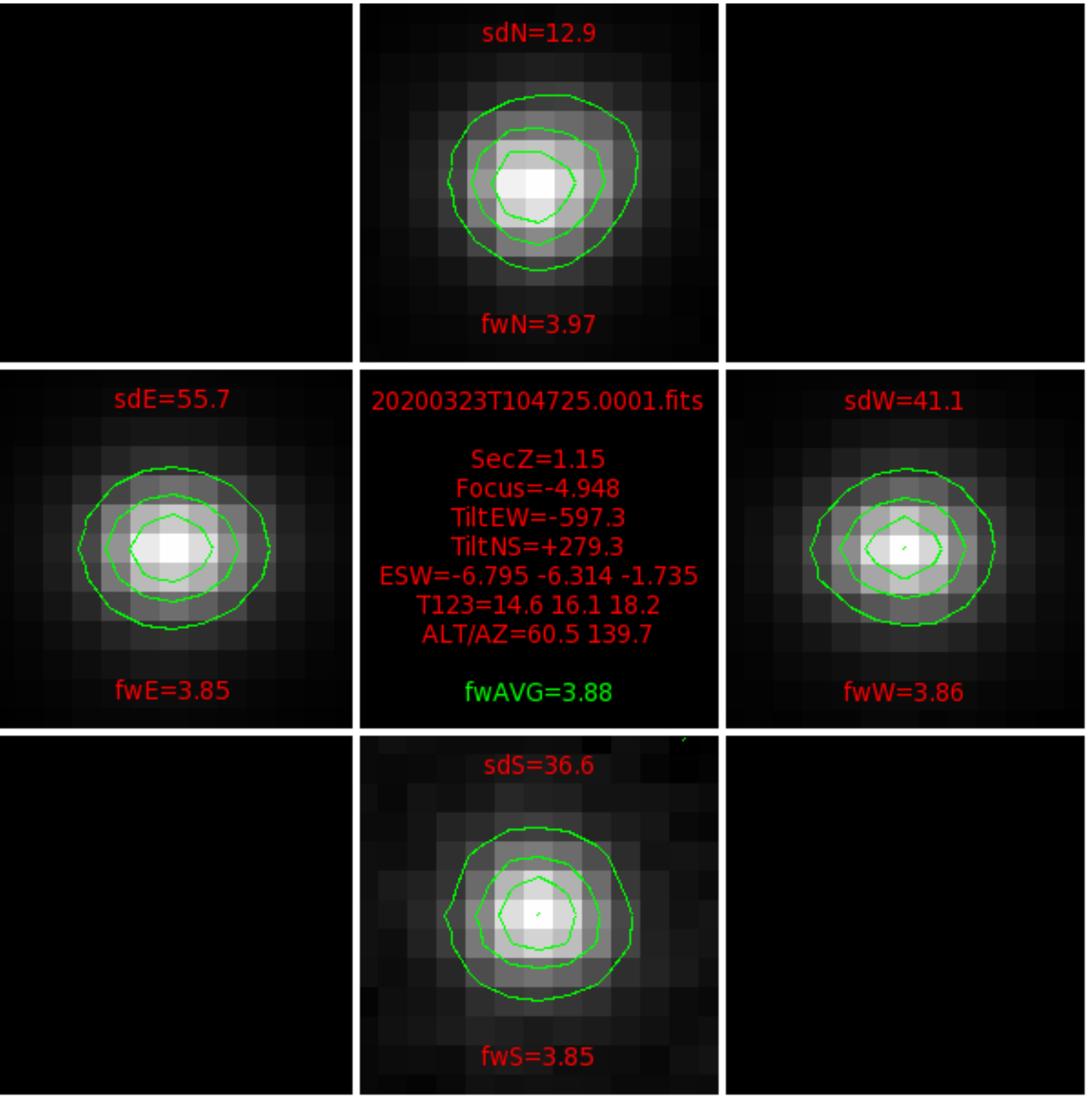
sdN=12.9
fwN=3.97
sdE=55.7
fwE=3.85
20200323T104725.0001.fits
SecZ=1.15
Focus=-4.948
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.795 -6.314 -1.735
T123=14.6 16.1 18.2
ALT/AZ=60.5 139.7
fwAVG=3.88
sdW=41.1
fwW=3.86
sdS=36.6
fwS=3.85
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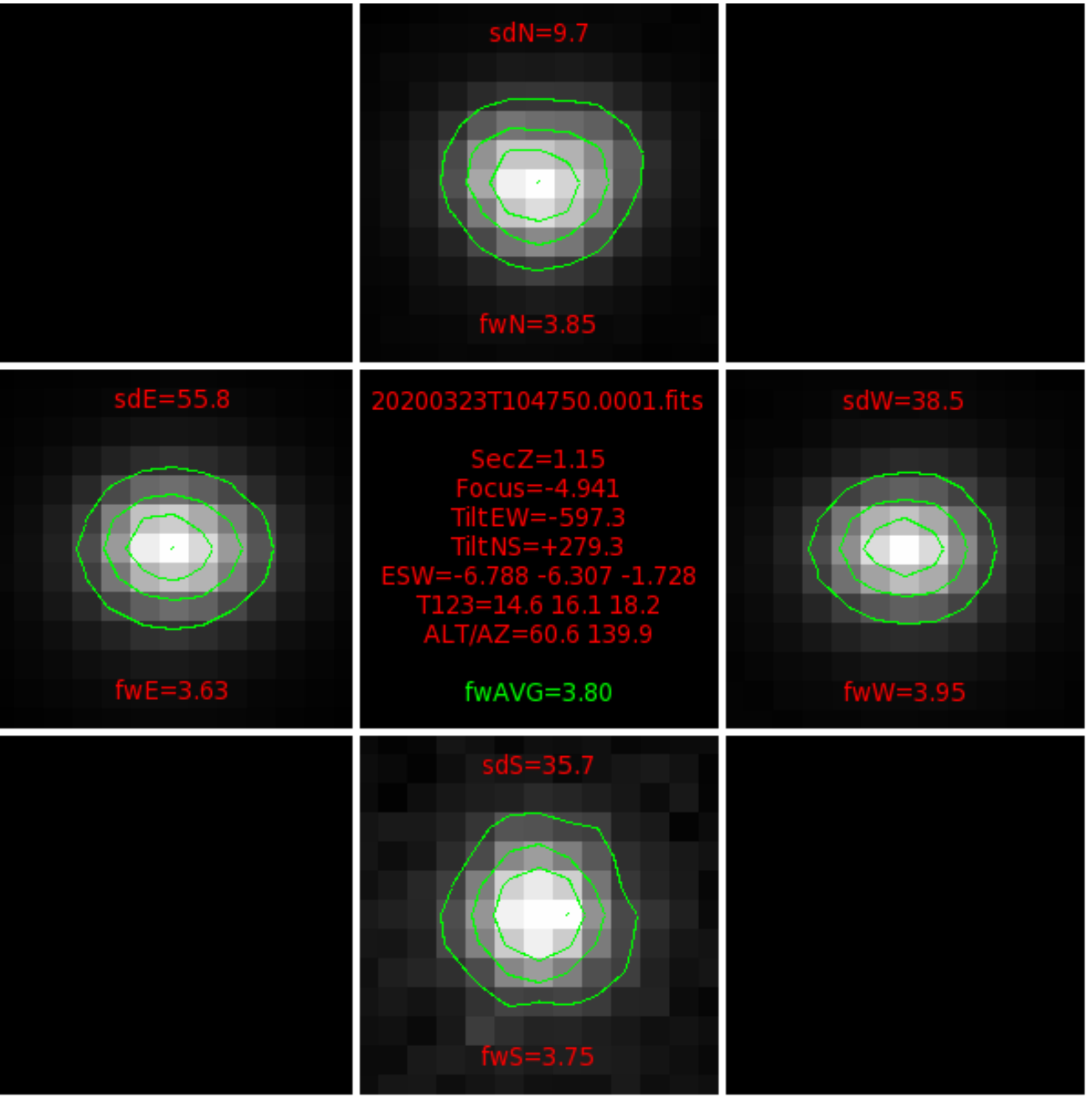
sdN=9.7
fwN=3.85
sdE=55.8
fwE=3.63
20200323T104750.0001.fits
SecZ=1.15
Focus=-4.941
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.788 -6.307 -1.728
T123=14.6 16.1 18.2
ALT/AZ=60.6 139.9
fwAVG=3.80
sdW=38.5
fwW=3.95
sdS=35.7
fwS=3.75
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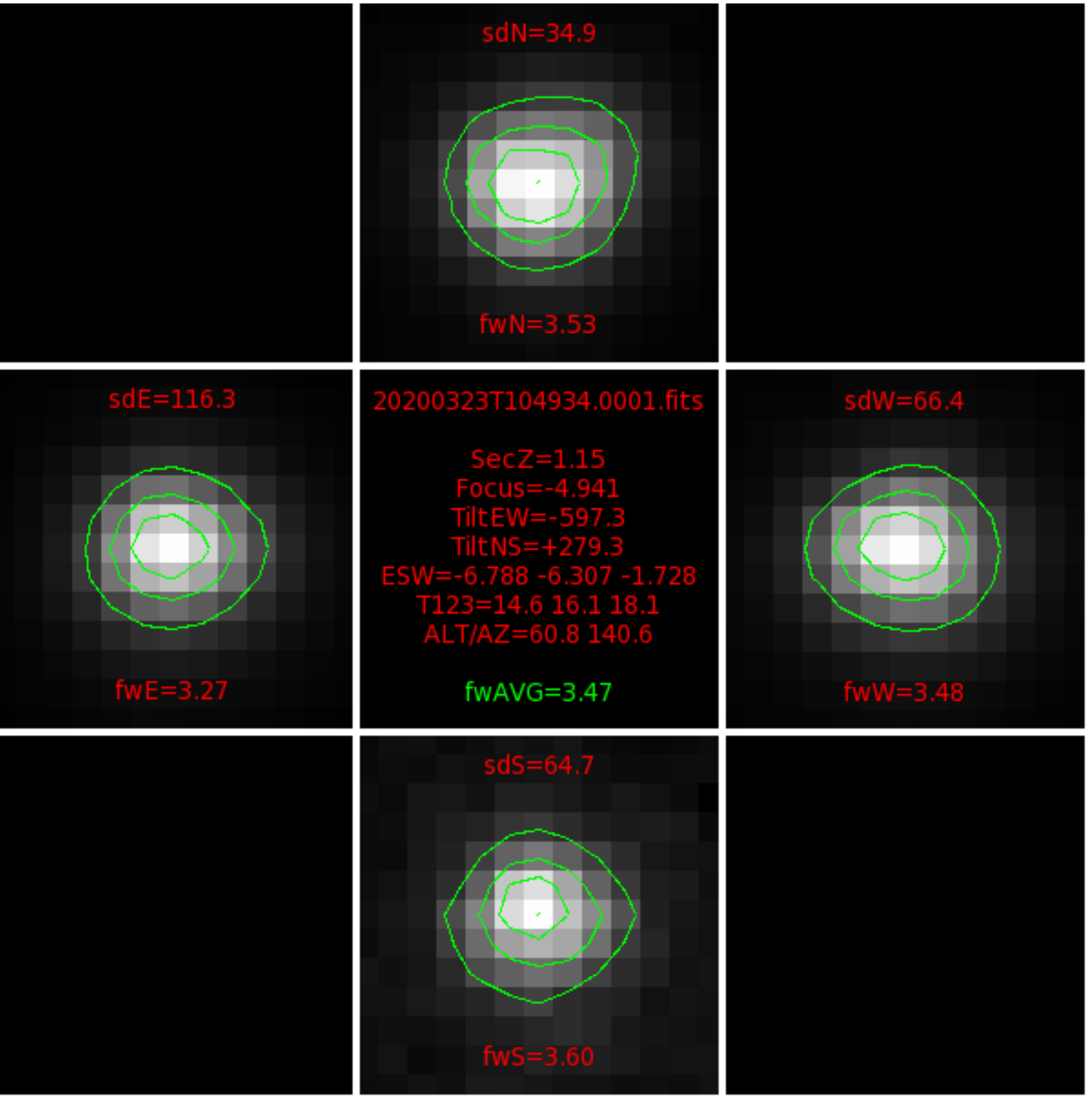
sdN=34.9
fwN=3.53
sdE=116.3
fwE=3.27
20200323T104934.0001.fits
SecZ=1.15
Focus=-4.941
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.788 -6.307 -1.728
T123=14.6 16.1 18.1
ALT/AZ=60.8 140.6
fwAVG=3.47
sdW=66.4
fwW=3.48
sdS=64.7
fwS=3.60
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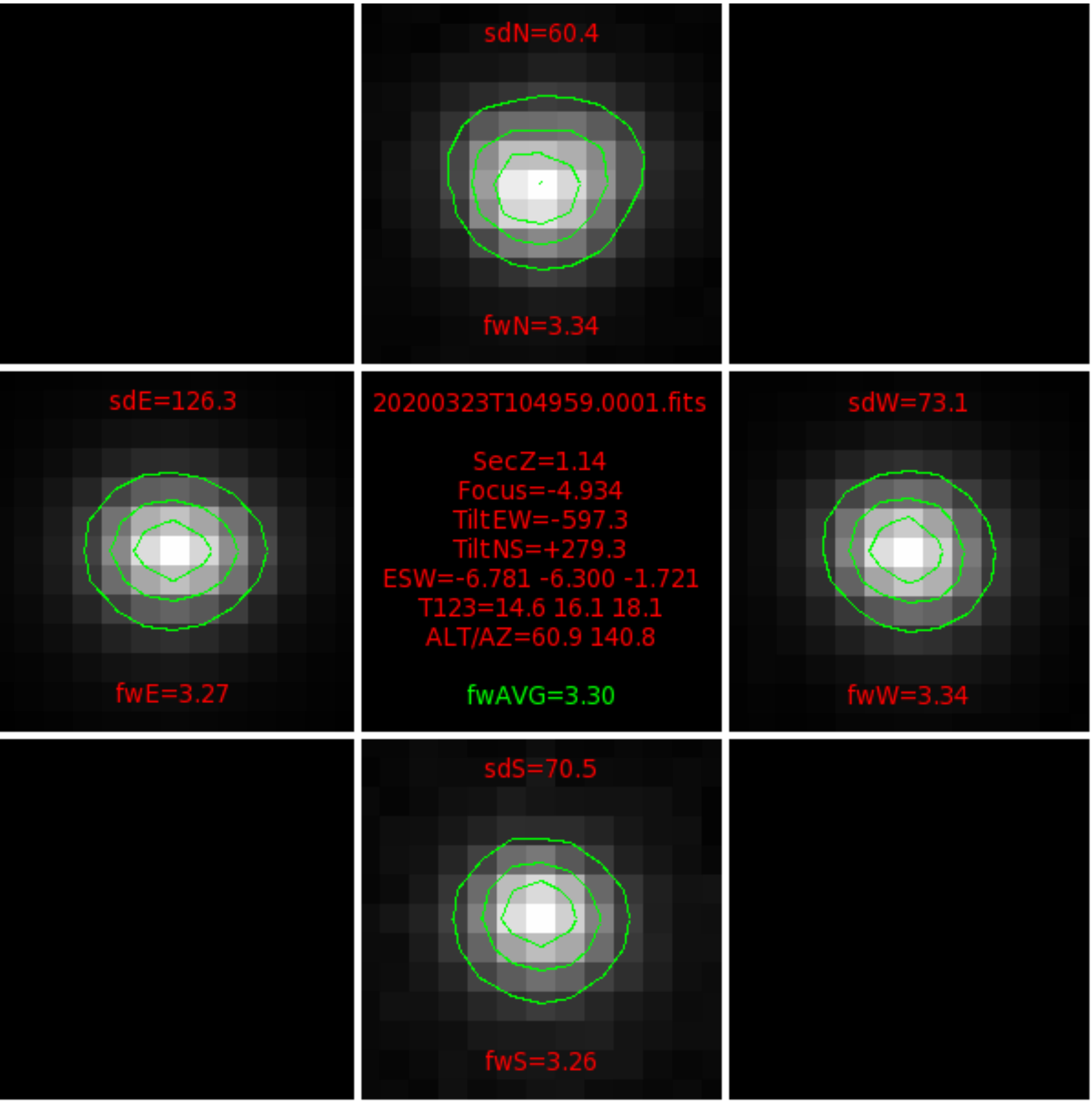
sdN=60.4
fwN=3.34
sdE=126.3
fwE=3.27
20200323T104959.0001.fits
SecZ=1.14
Focus=-4.934
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.781 -6.300 -1.721
T123=14.6 16.1 18.1
ALT/AZ=60.9 140.8
fwAVG=3.30
sdW=73.1
fwW=3.34
sdS=70.5
fwS=3.26
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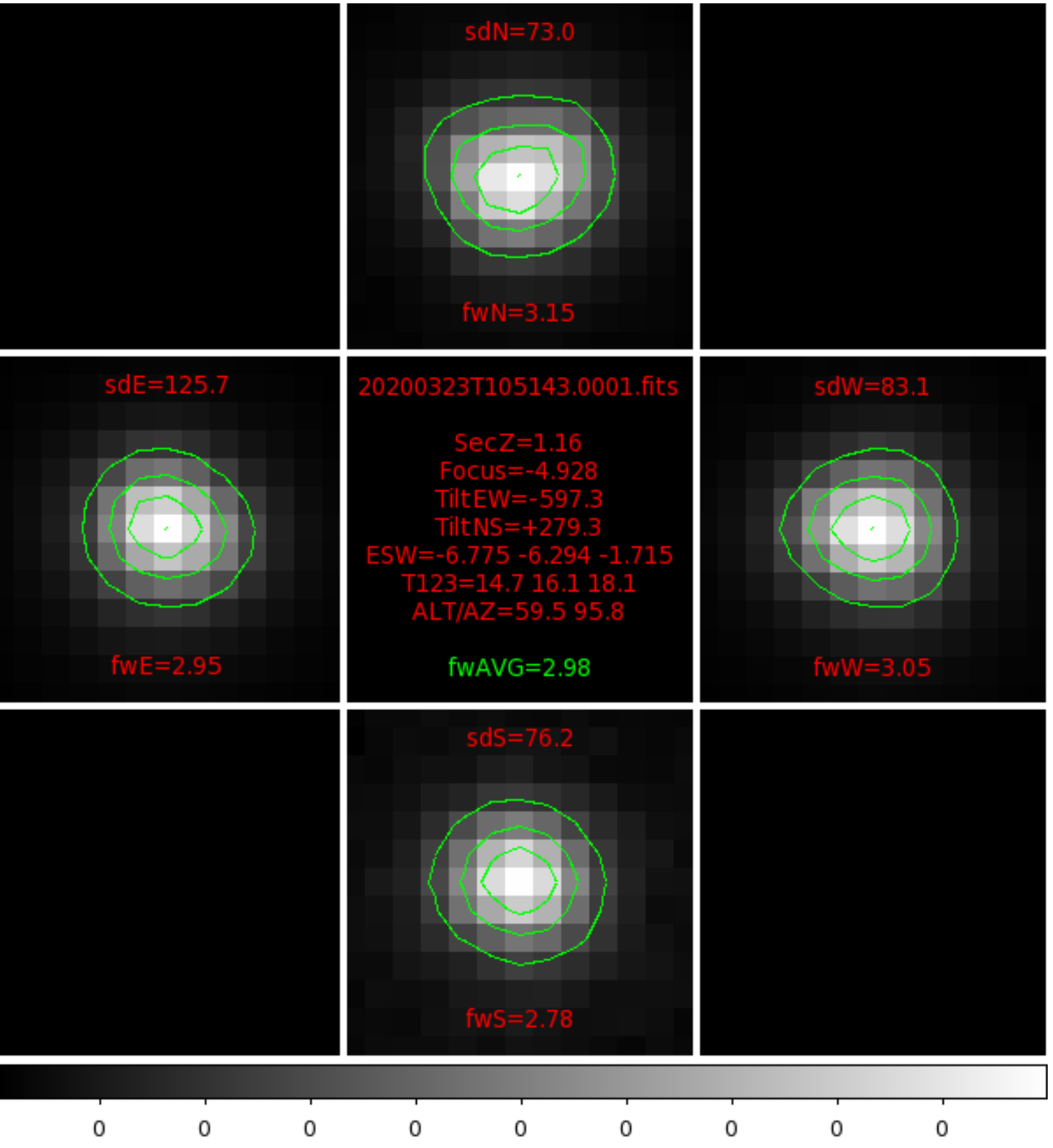
sdN=73.0
fwN=3.15
sdE=125.7
fwE=2.95
20200323T105143.0001.fits
SecZ=1.16
Focus=-4.928
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.775 -6.294 -1.715
T123=14.7 16.1 18.1
ALT/AZ=59.5 95.8
fwAVG=2.98
sdW=83.1
fwW=3.05
sdS=76.2
fwS=2.78
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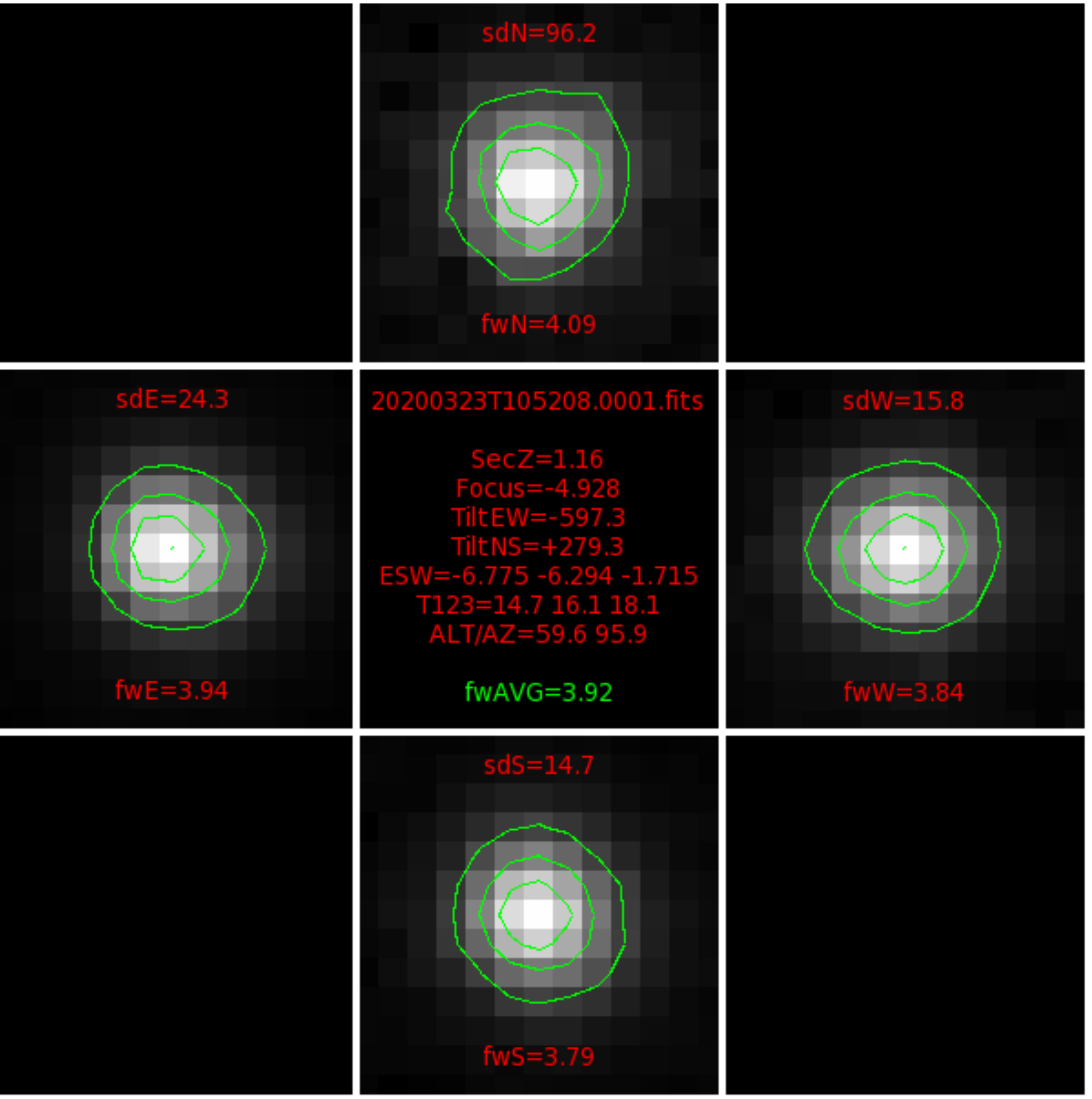
sdN=96.2
fwN=4.09
sdE=24.3
fwE=3.94
20200323T105208.0001.fits
SecZ=1.16
Focus=-4.928
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.775 -6.294 -1.715
T123=14.7 16.1 18.1
ALT/AZ=59.6 95.9
fwAVG=3.92
sdW=15.8
fwW=3.84
sdS=14.7
fwS=3.79
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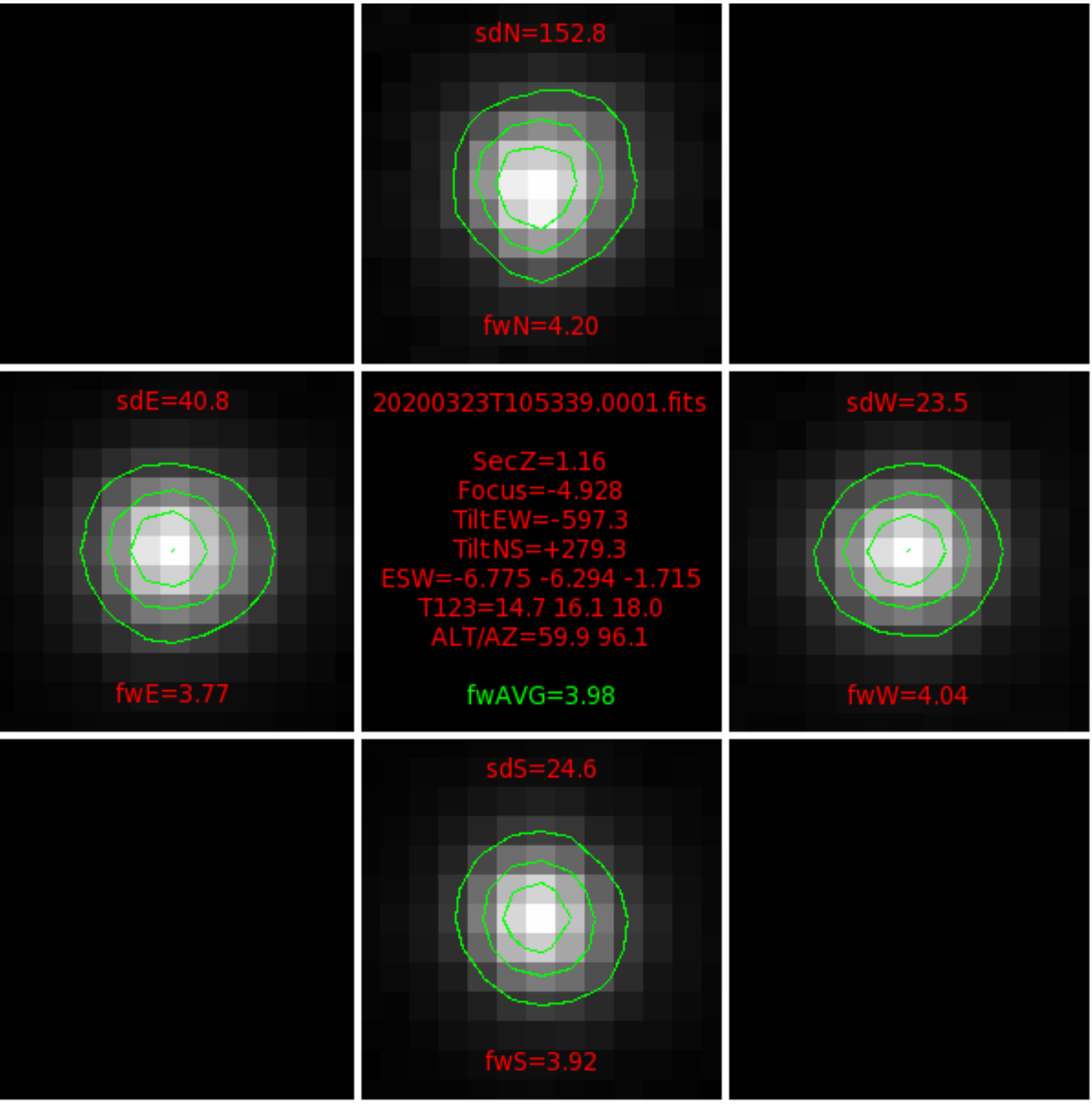
sdN=152.8
fwN=4.20
sdE=40.8
fwE=3.77
20200323T105339.0001.fits
SecZ=1.16
Focus=-4.928
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.775 -6.294 -1.715
T123=14.7 16.1 18.0
ALT/AZ=59.9 96.1
fwAVG=3.98
sdW=23.5
fwW=4.04
sdS=24.6
fwS=3.92
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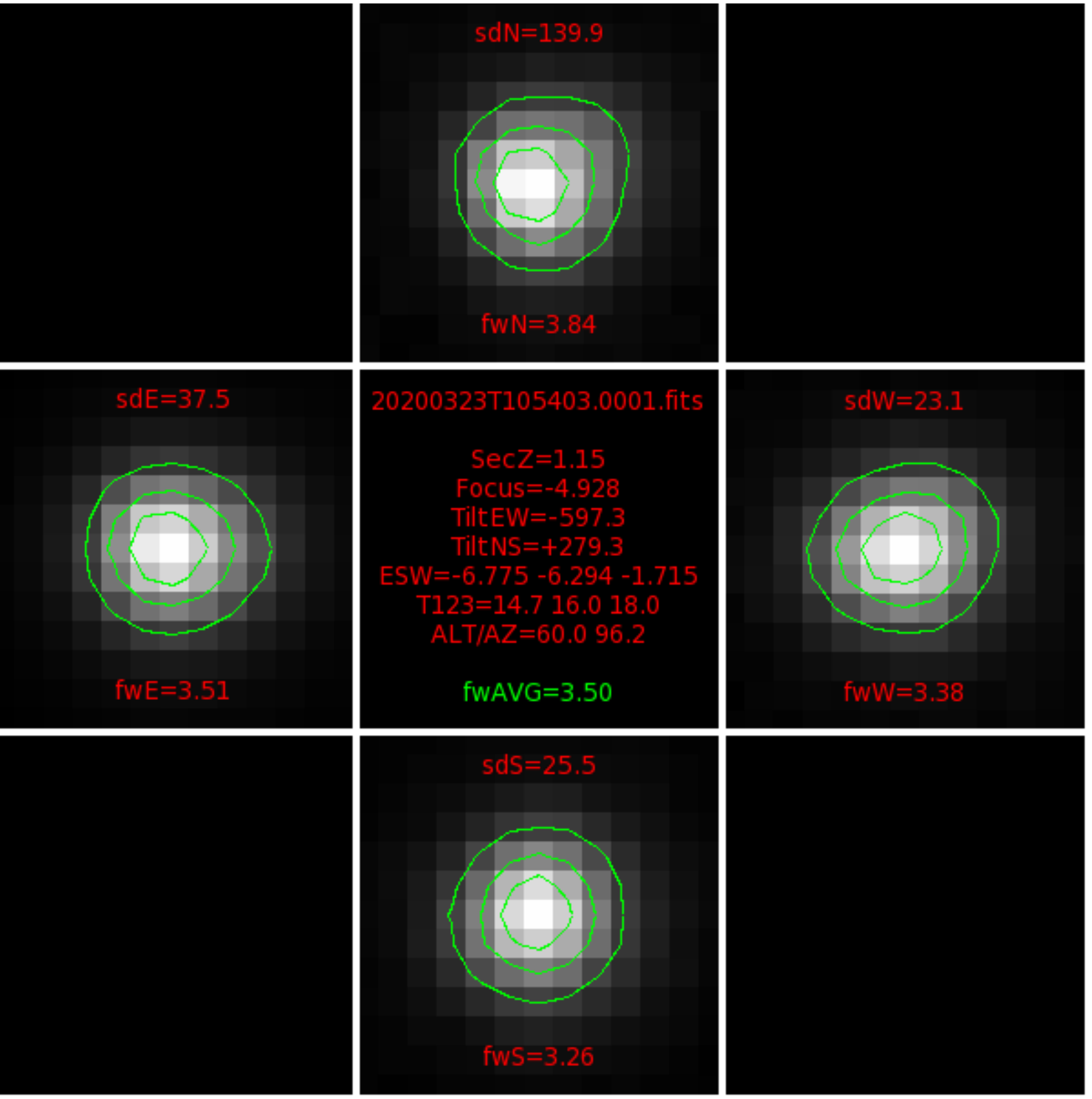
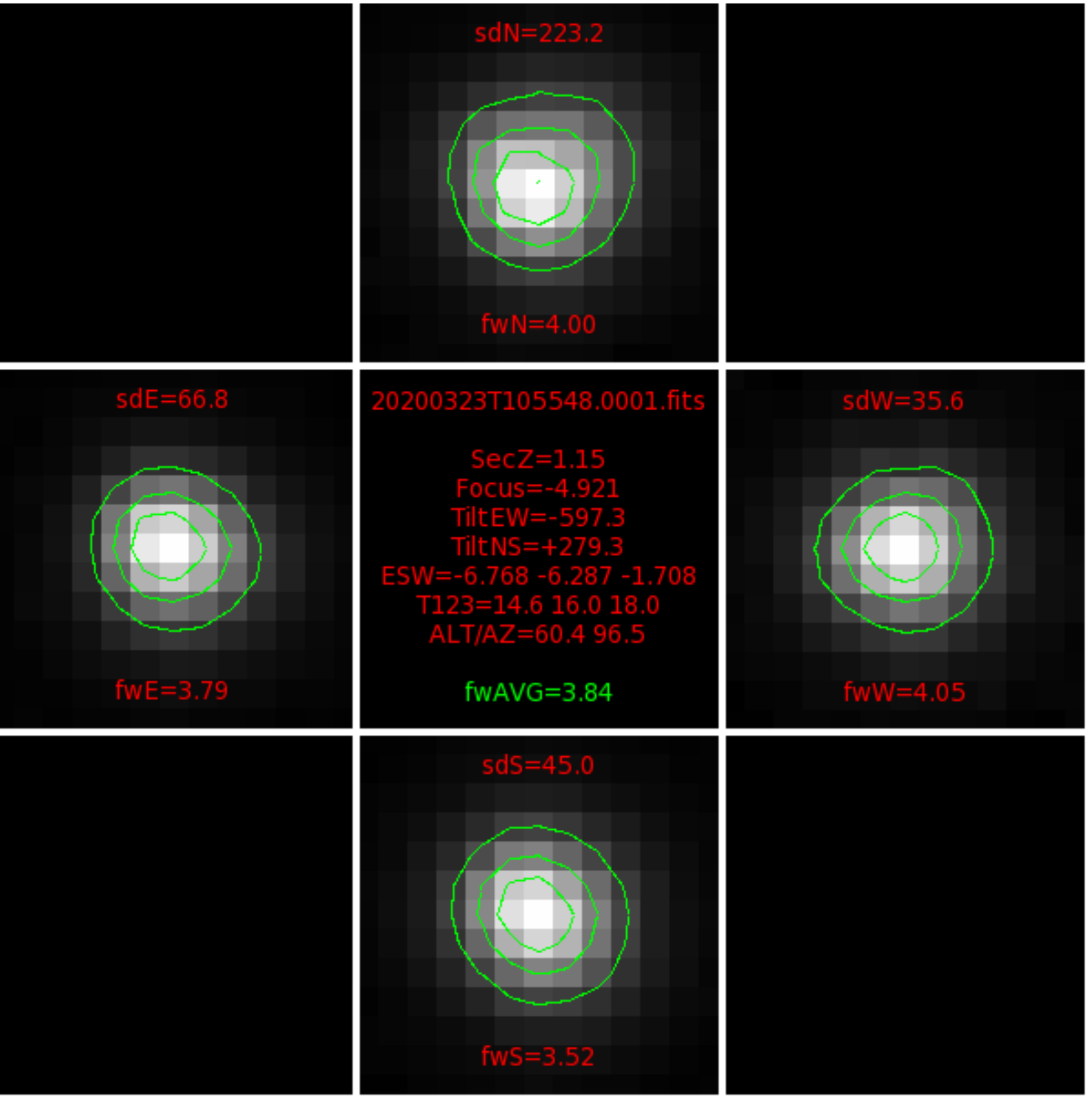

sdN=139.9
fwN=3.84
sdE=37.5
fwE=3.51
20200323T105403.0001.fits
SecZ=1.15
Focus=-4.928
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.775 -6.294 -1.715
T123=14.7 16.0 18.0
ALT/AZ=60.0 96.2
fwAVG=3.50
sdW=23.1
fwW=3.38
sdS=25.5
fwS=3.26
0 0 0 0 0 0 0 0 0


sdN=223.2
fwN=4.00
sdE=66.8
fwE=3.79
20200323T105548.0001.fits
SecZ=1.15
Focus=-4.921
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.768 -6.287 -1.708
T123=14.6 16.0 18.0
ALT/AZ=60.4 96.5
fwAVG=3.84
sdW=35.6
fwW=4.05
sdS=45.0
fwS=3.52
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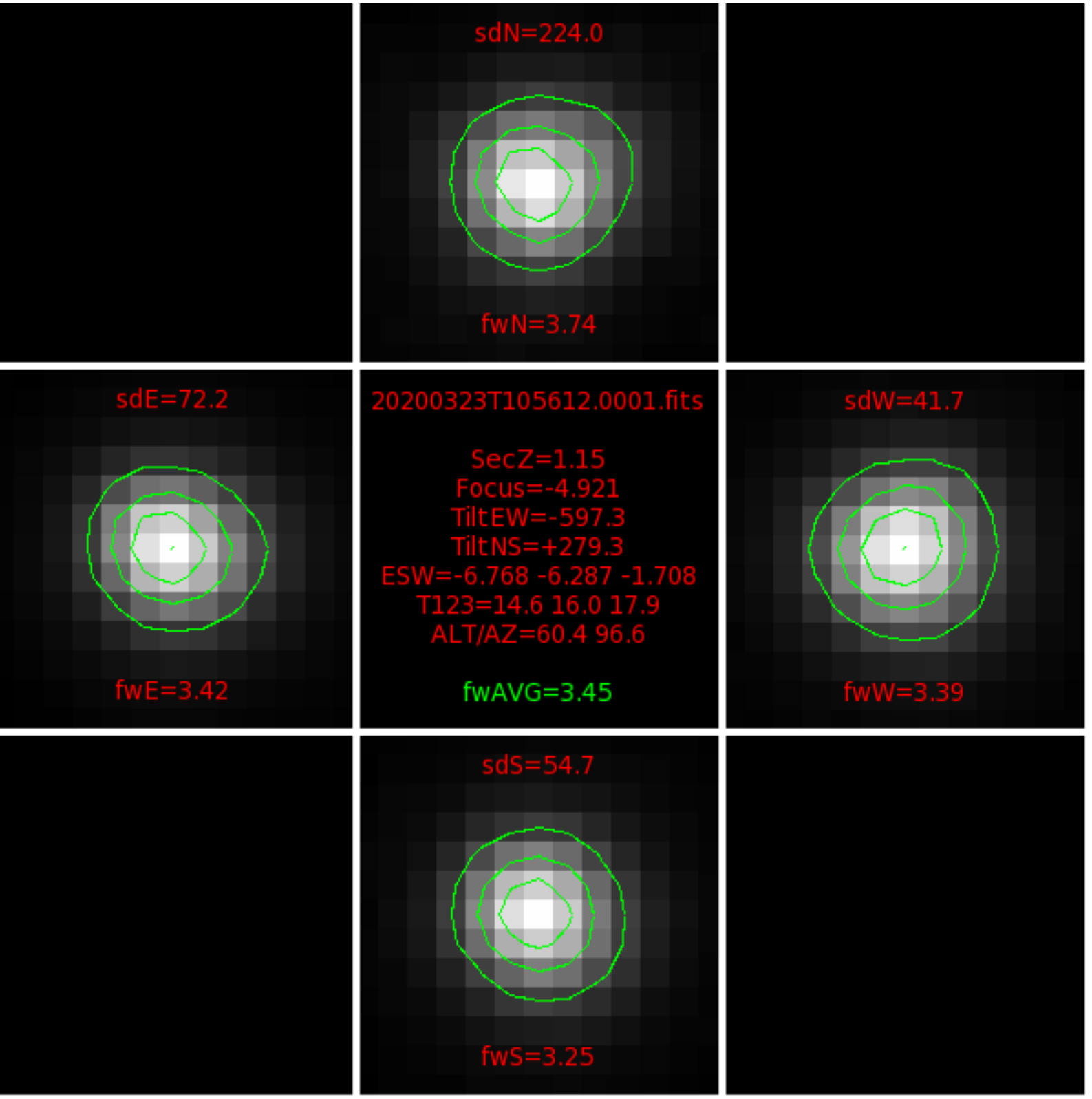
sdN=224.0
fwN=3.74
sdE=72.2
fwE=3.42
20200323T105612.0001.fits
SecZ=1.15
Focus=-4.921
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.768 -6.287 -1.708
T123=14.6 16.0 17.9
ALT/AZ=60.4 96.6
fwAVG=3.45
sdW=41.7
fwW=3.39
sdS=54.7
fwS=3.25
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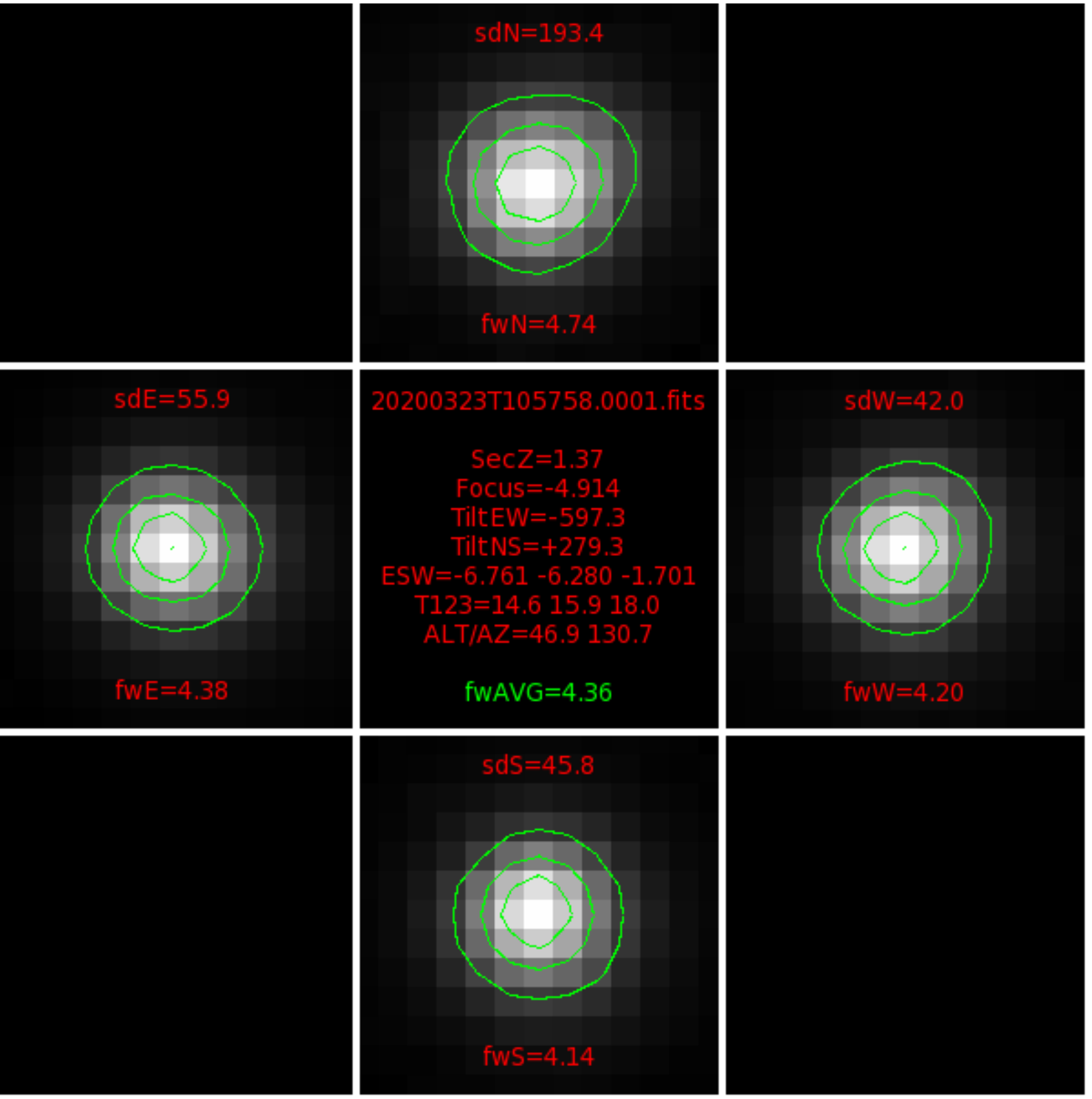
sdN=193.4
fwN=4.74
sdE=55.9
fwE=4.38
20200323T105758.0001.fits
SecZ=1.37
Focus=-4.914
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.761 -6.280 -1.701
T123=14.6 15.9 18.0
ALT/AZ=46.9 130.7
fwAVG=4.36
sdW=42.0
fwW=4.20
sdS=45.8
fwS=4.14
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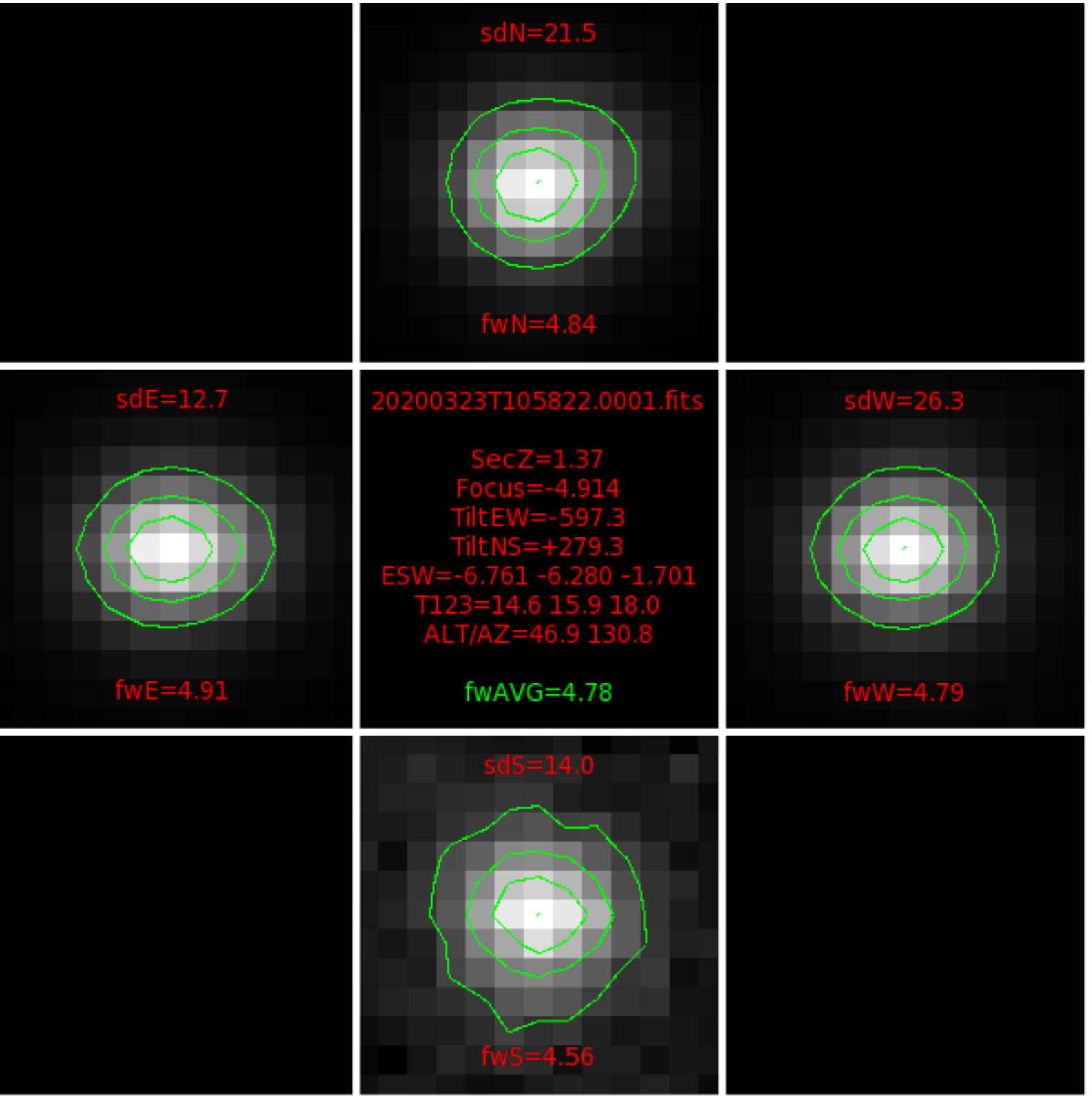
sdN=21.5
fwN=4.84
sdE=12.7
fwE=4.91
20200323T105822.0001.fits
SecZ=1.37
Focus=-4.914
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.761 -6.280 -1.701
T123=14.6 15.9 18.0
ALT/AZ=46.9 130.8
fwAVG=4.78
sdW=26.3
fwW=4.79
sdS=14.0
fwS=4.56
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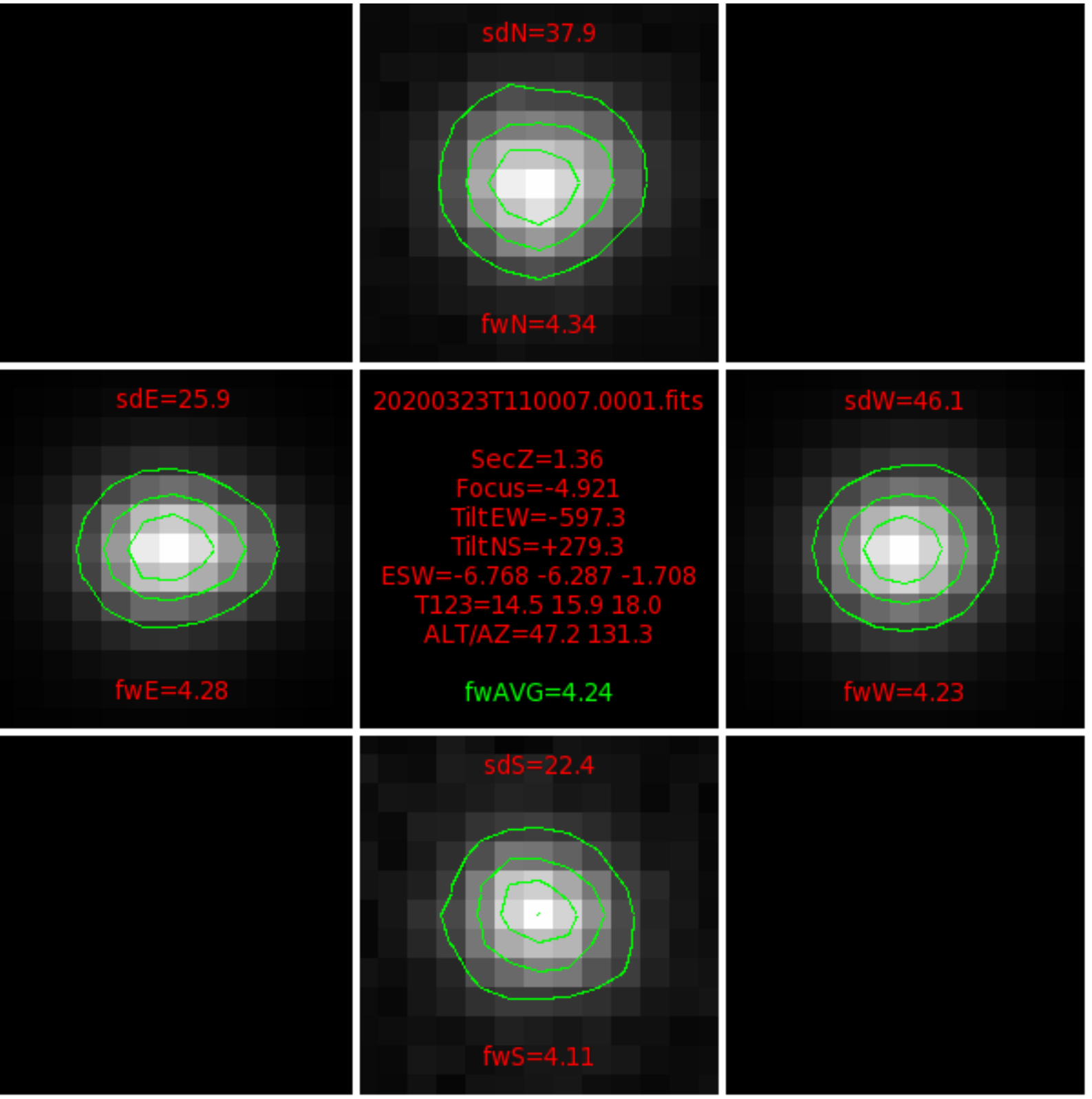
sdN=37.9
fwN=4.34
sdE=25.9
fwE=4.28
20200323T110007.0001.fits
SecZ=1.36
Focus=-4.921
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.768 -6.287 -1.708
T123=14.5 15.9 18.0
ALT/AZ=47.2 131.3
fwAVG=4.24
sdW=46.1
fwW=4.23
sdS=22.4
fwS=4.11
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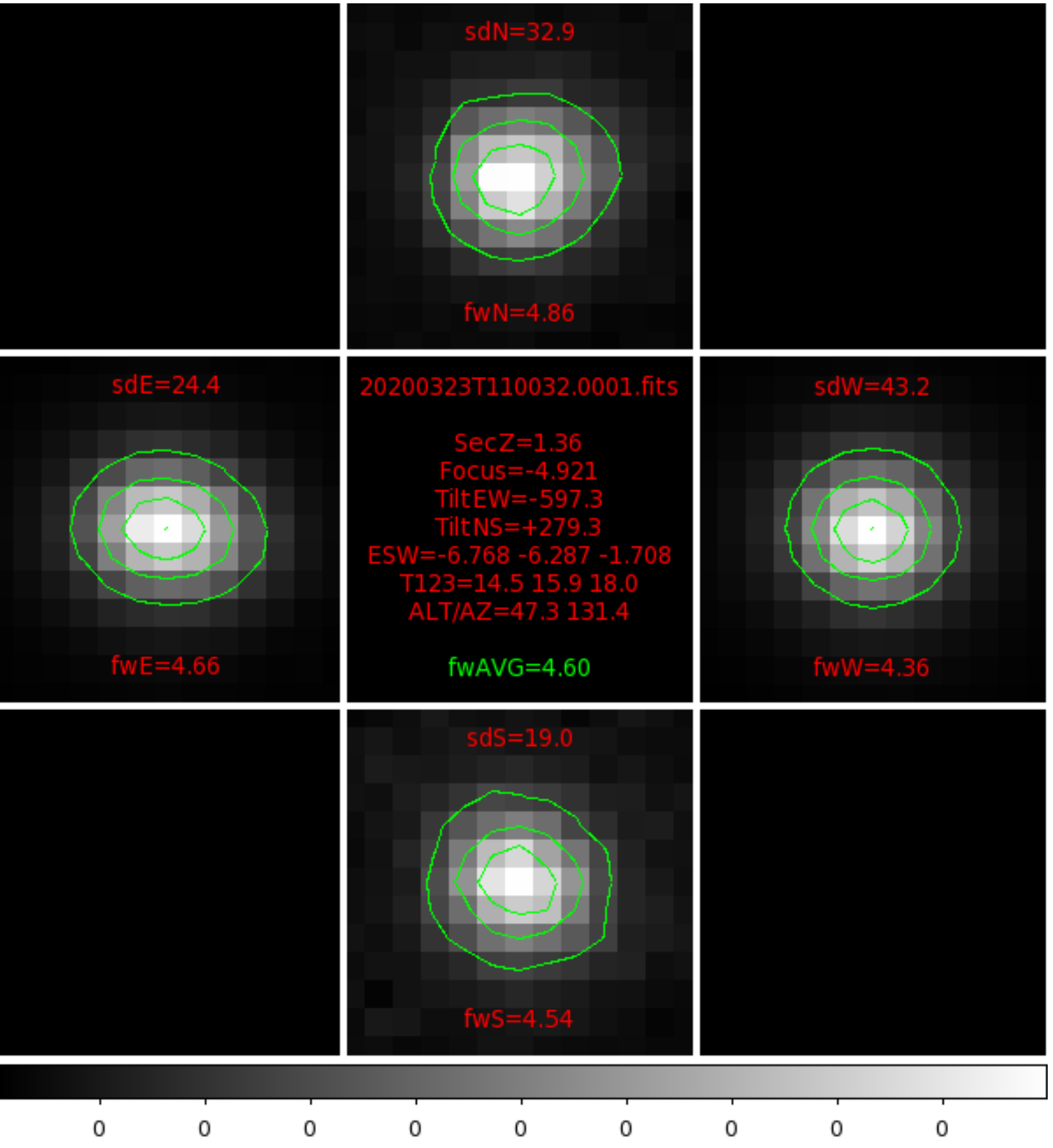
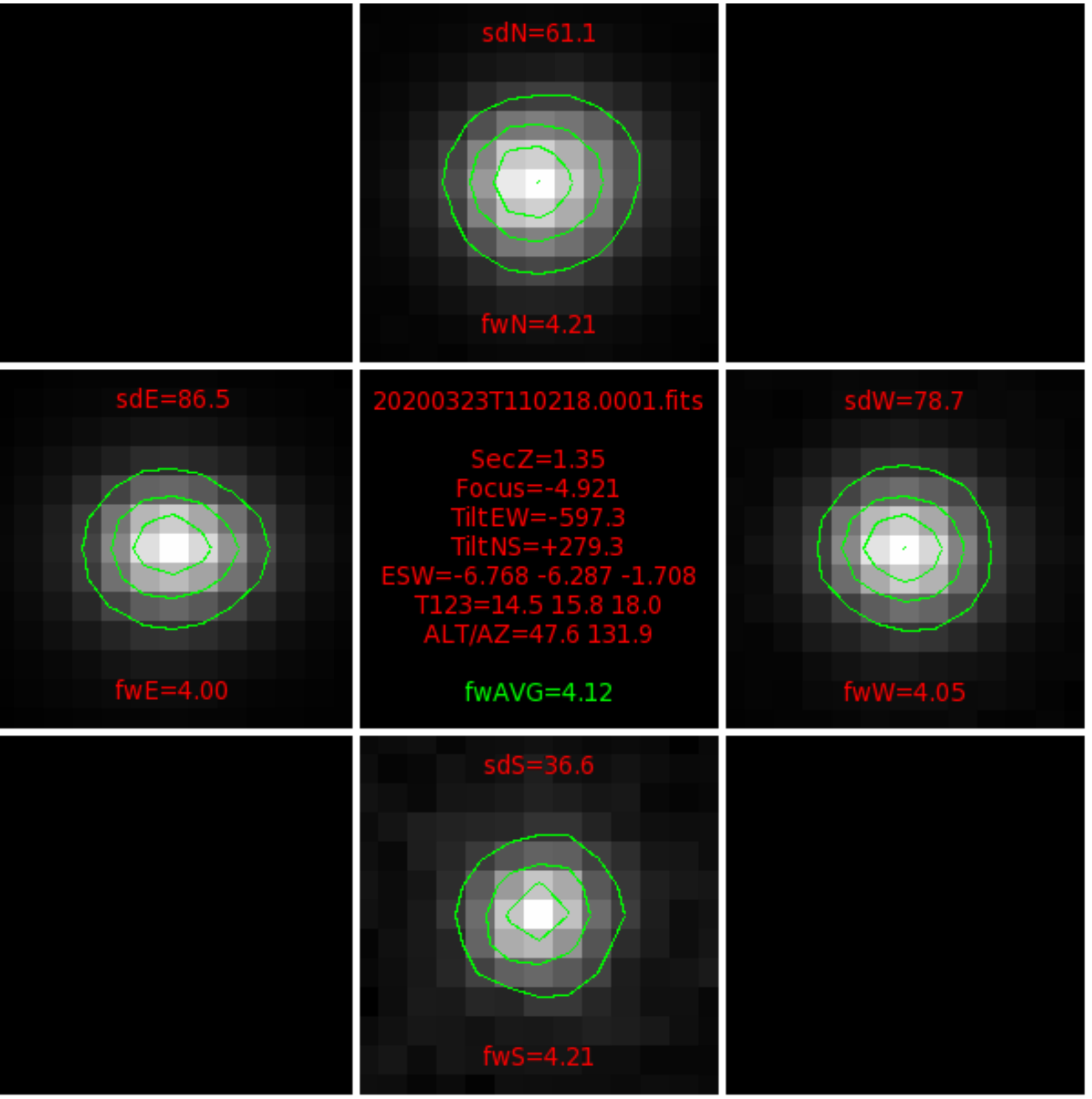
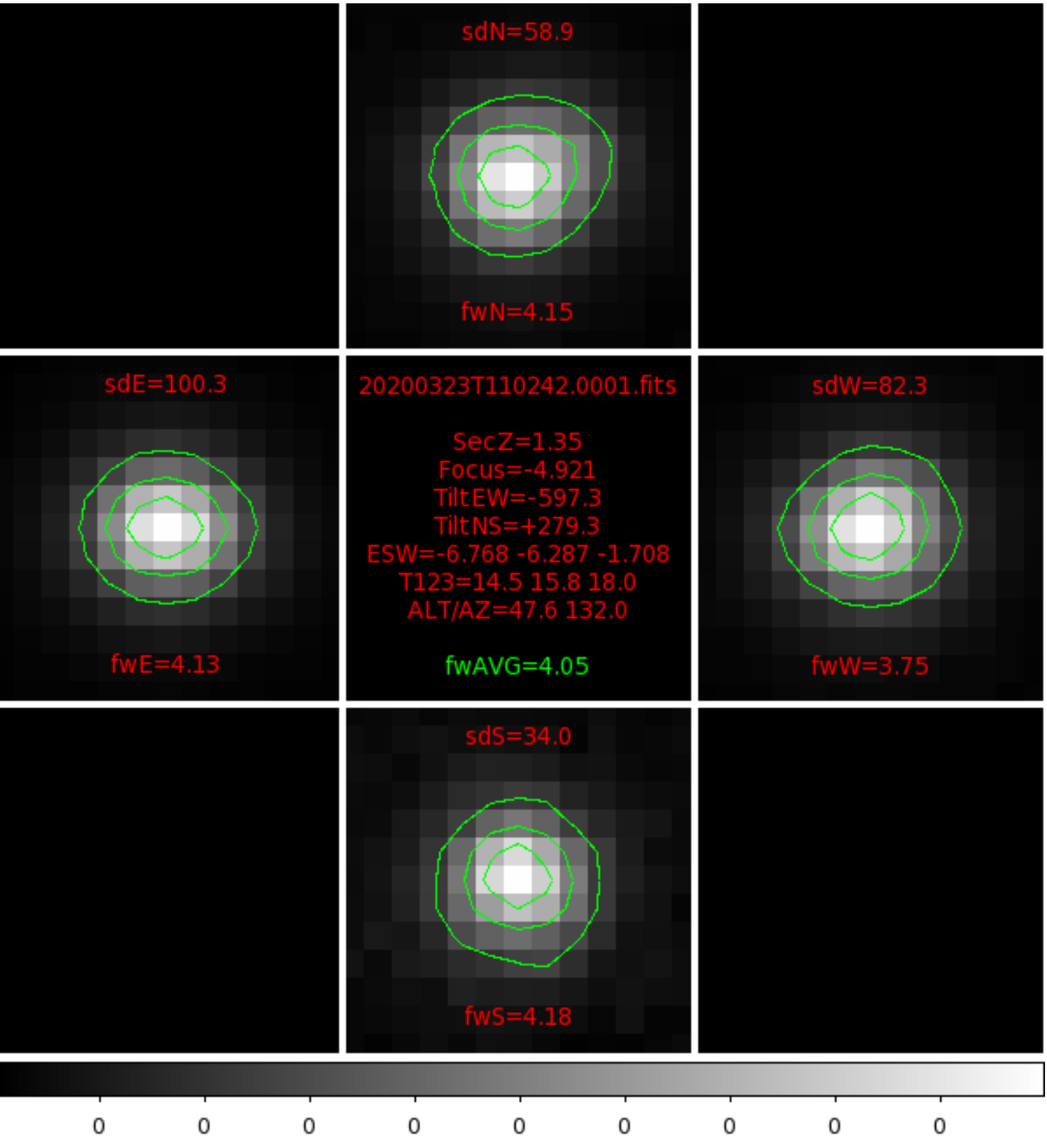
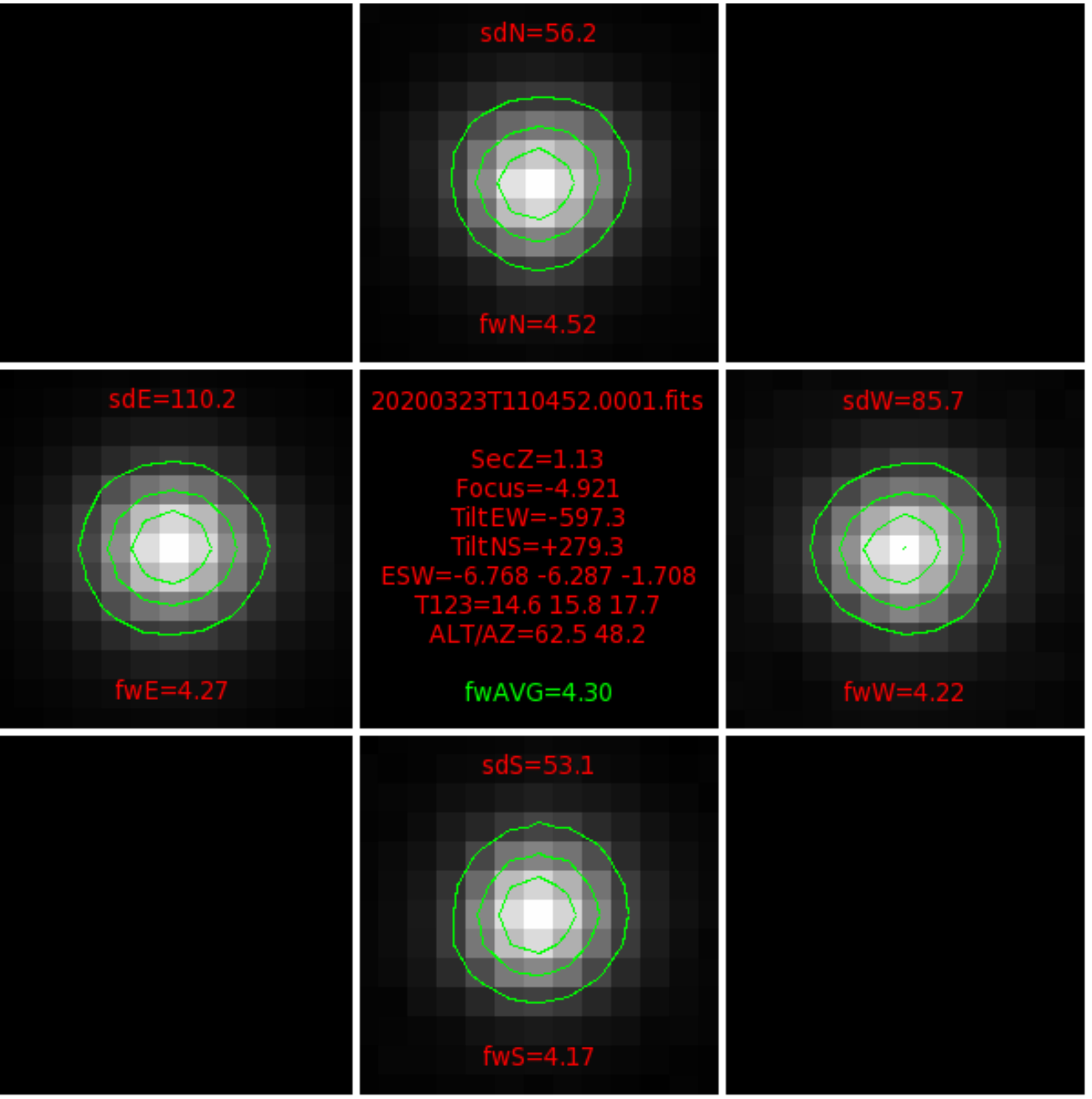

sdN=32.9
fwN=4.86
sdE=24.4
fwE=4.66
20200323T110032.0001.fits
SecZ=1.36
Focus=-4.921
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.768 -6.287 -1.708
T123=14.5 15.9 18.0
ALT/AZ=47.3 131.4
fwAVG=4.60
sdW=43.2
fwW=4.36
sdS=19.0
fwS=4.54
0 0 0 0 0 0 0 0 0


sdN=61.1
fwN=4.21
sdE=86.5
fwE=4.00
20200323T110218.0001.fits
SecZ=1.35
Focus=-4.921
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.768 -6.287 -1.708
T123=14.5 15.8 18.0
ALT/AZ=47.6 131.9
fwAVG=4.12
sdW=78.7
fwW=4.05
sdS=36.6
fwS=4.21
0 0 0 0 0 0 0 0 0


sdN=58.9
fwN=4.15
sdE=100.3
fwE=4.13
20200323T110242.0001.fits
SecZ=1.35
Focus=-4.921
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.768 -6.287 -1.708
T123=14.5 15.8 18.0
ALT/AZ=47.6 132.0
fwAVG=4.05
sdW=82.3
fwW=3.75
sdS=34.0
fwS=4.18
0 0 0 0 0 0 0 0 0


sdN=56.2
fwN=4.52
sdE=110.2
fwE=4.27
20200323T110452.0001.fits
SecZ=1.13
Focus=-4.921
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.768 -6.287 -1.708
T123=14.6 15.8 17.7
ALT/AZ=62.5 48.2
fwAVG=4.30
sdW=85.7
fwW=4.22
sdS=53.1
fwS=4.17
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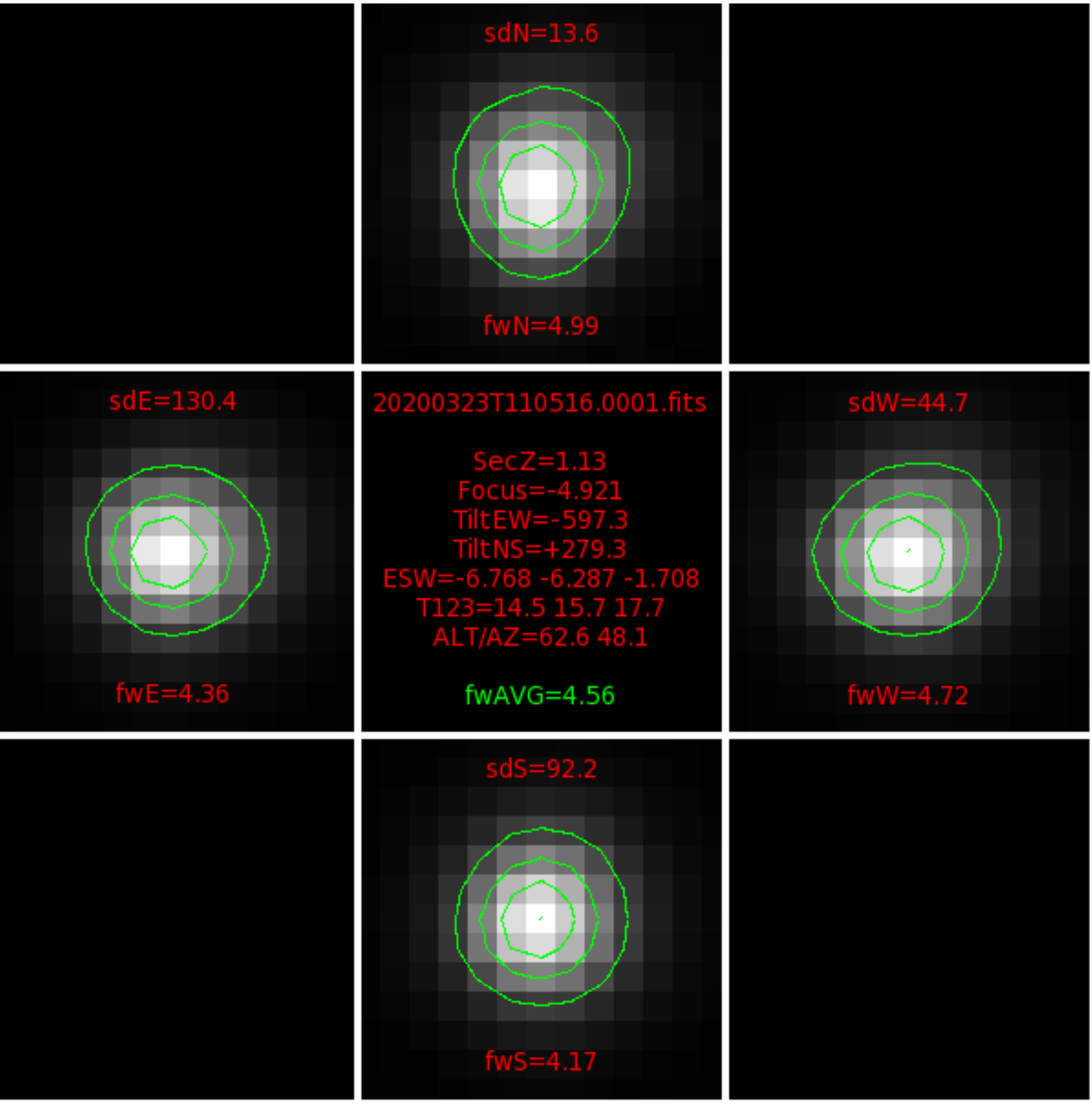
sdN=13.6
fwN=4.99
sdE=130.4
fwE=4.36
20200323T110516.0001.fits
SecZ=1.13
Focus=-4.921
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.768 -6.287 -1.708
T123=14.5 15.7 17.7
ALT/AZ=62.6 48.1
fwAVG=4.56
sdW=44.7
fwW=4.72
sdS=92.2
fwS=4.17
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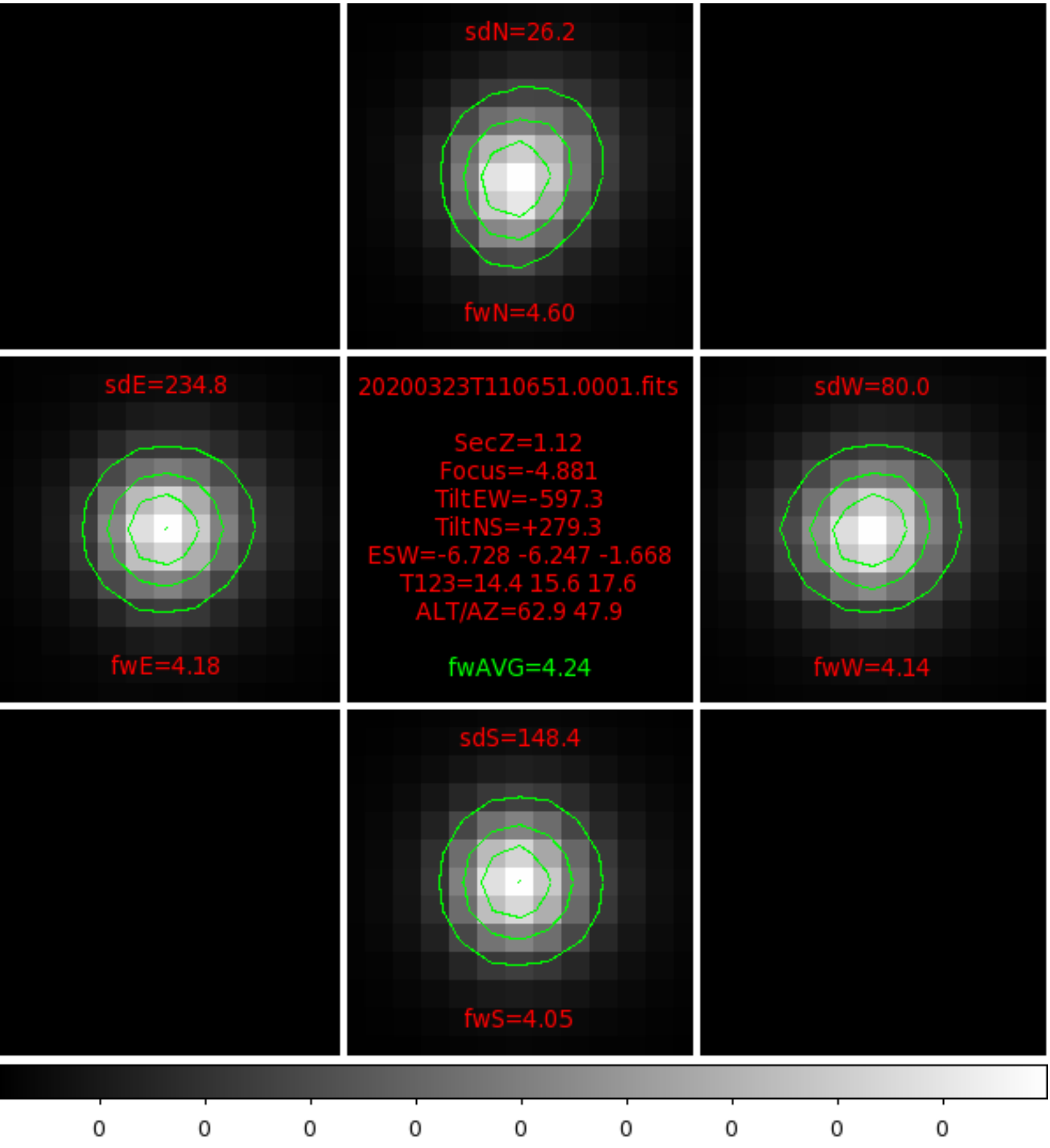
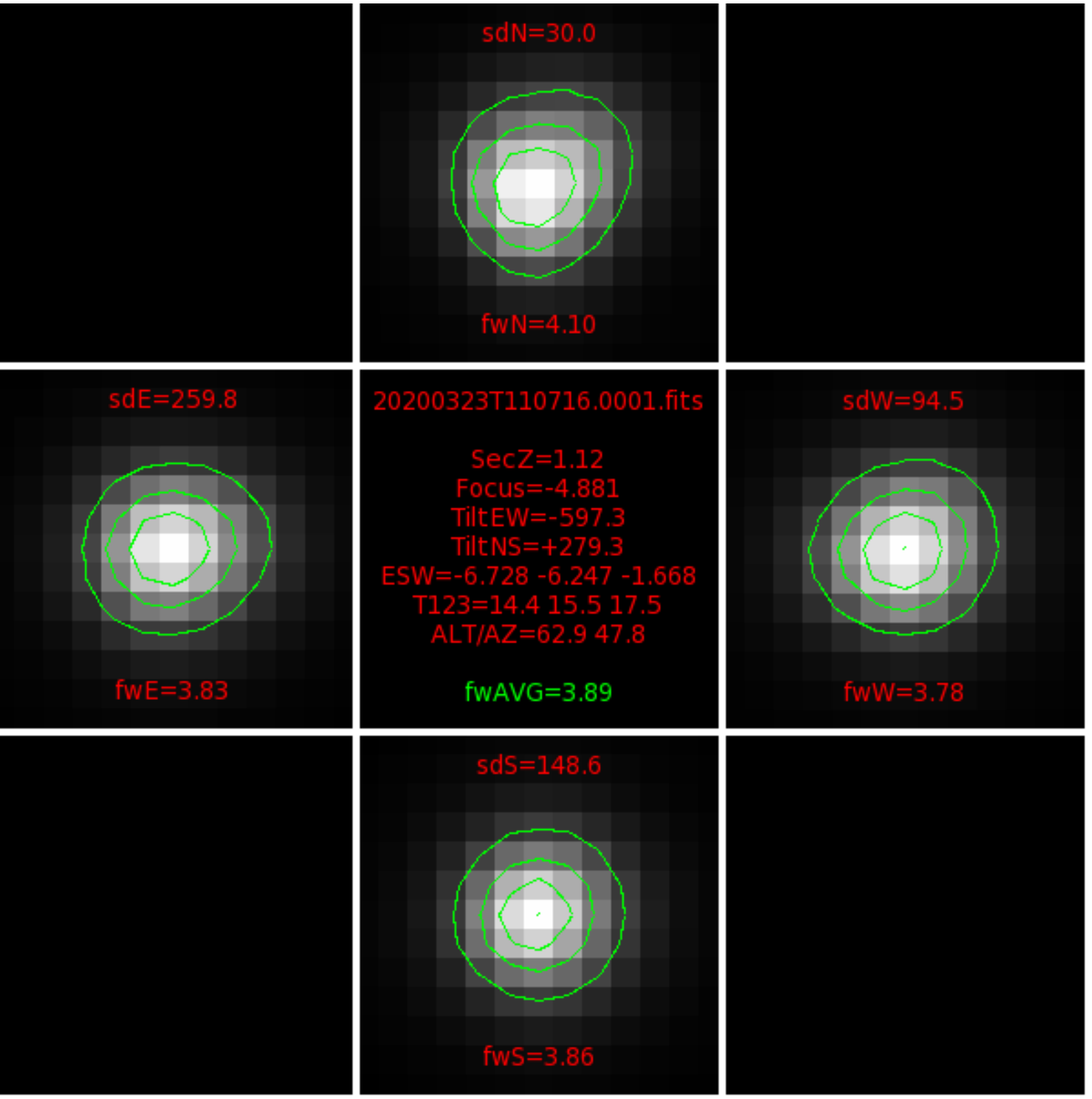

sdN=26.2
fwN=4.60
sdE=234.8
fwE=4.18
20200323T110651.0001.fits
SecZ=1.12
Focus=-4.881
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.728 -6.247 -1.668
T123=14.4 15.6 17.6
ALT/AZ=62.9 47.9
fwAVG=4.24
sdW=80.0
fwW=4.14
sdS=148.4
fwS=4.05
0 0 0 0 0 0 0 0 0


sdN=30.0
fwN=4.10
sdE=259.8
fwE=3.83
20200323T110716.0001.fits
SecZ=1.12
Focus=-4.881
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.728 -6.247 -1.668
T123=14.4 15.5 17.5
ALT/AZ=62.9 47.8
fwAVG=3.89
sdW=94.5
fwW=3.78
sdS=148.6
fwS=3.86
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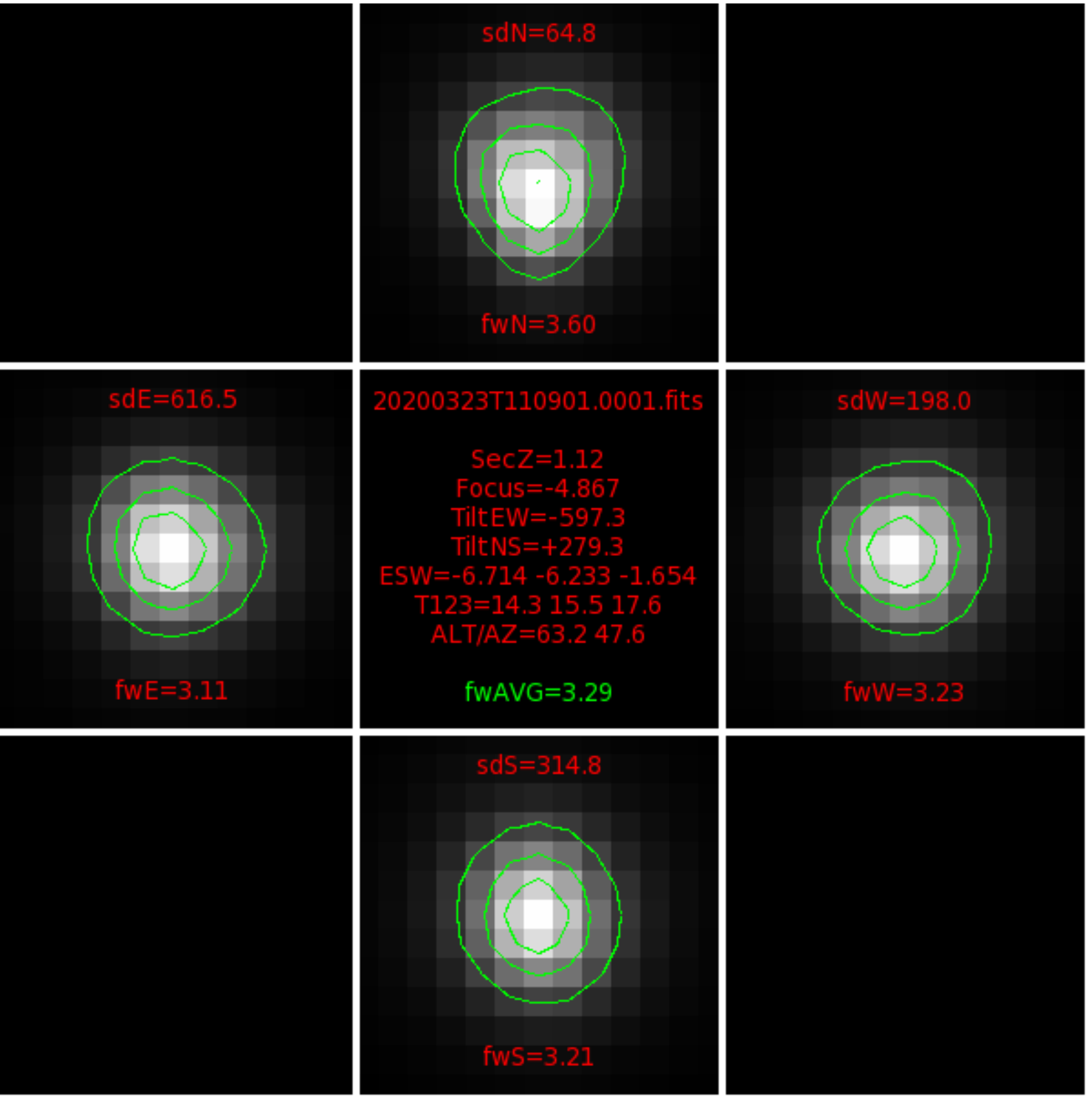
sdN=64.8
fwN=3.60
sdE=616.5
fwE=3.11
20200323T110901.0001.fits
SecZ=1.12
Focus=-4.867
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.714 -6.233 -1.654
T123=14.3 15.5 17.6
ALT/AZ=63.2 47.6
fwAVG=3.29
sdW=198.0
fwW=3.23
sdS=314.8
fwS=3.21
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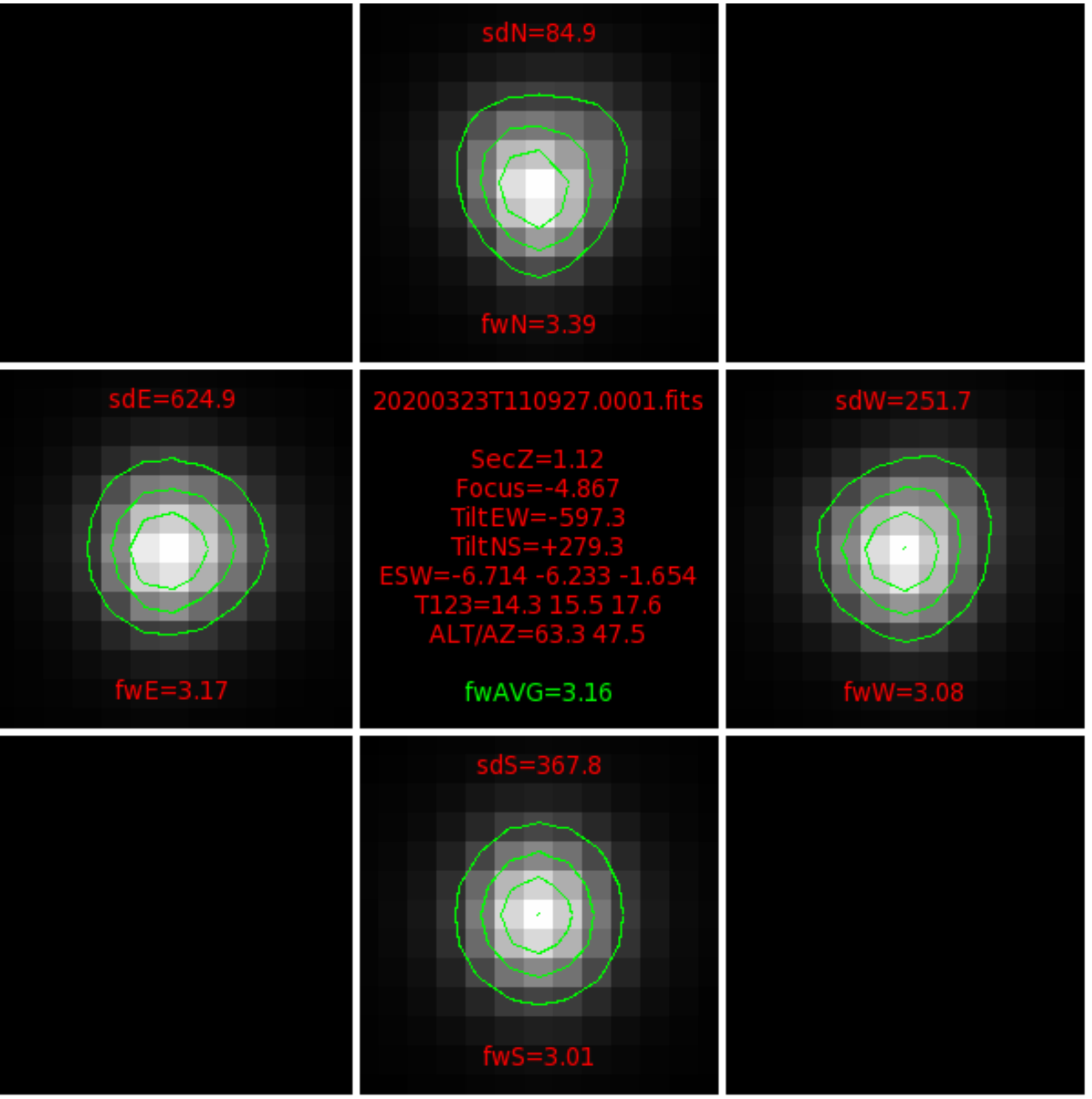
sdN=84.9
fwN=3.39
sdE=624.9
fwE=3.17
20200323T110927.0001.fits
SecZ=1.12
Focus=-4.867
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.714 -6.233 -1.654
T123=14.3 15.5 17.6
ALT/AZ=63.3 47.5
fwAVG=3.16
sdW=251.7
fwW=3.08
sdS=367.8
fwS=3.01
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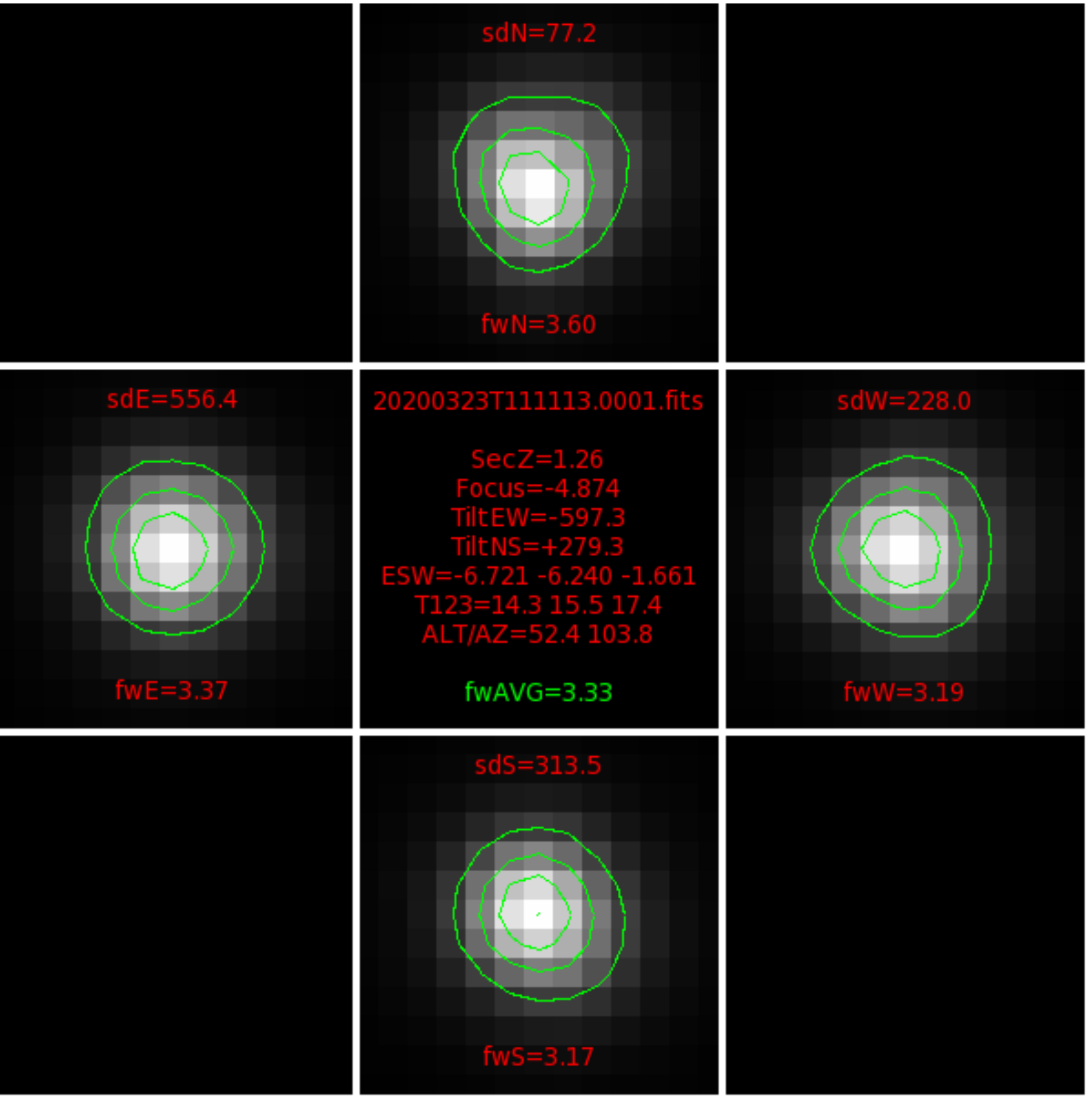
sdN=77.2
fwN=3.60
sdE=556.4
fwE=3.37
20200323T111113.0001.fits
SecZ=1.26
Focus=-4.874
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.721 -6.240 -1.661
T123=14.3 15.5 17.4
ALT/AZ=52.4 103.8
fwAVG=3.33
sdW=228.0
fwW=3.19
sdS=313.5
fwS=3.17
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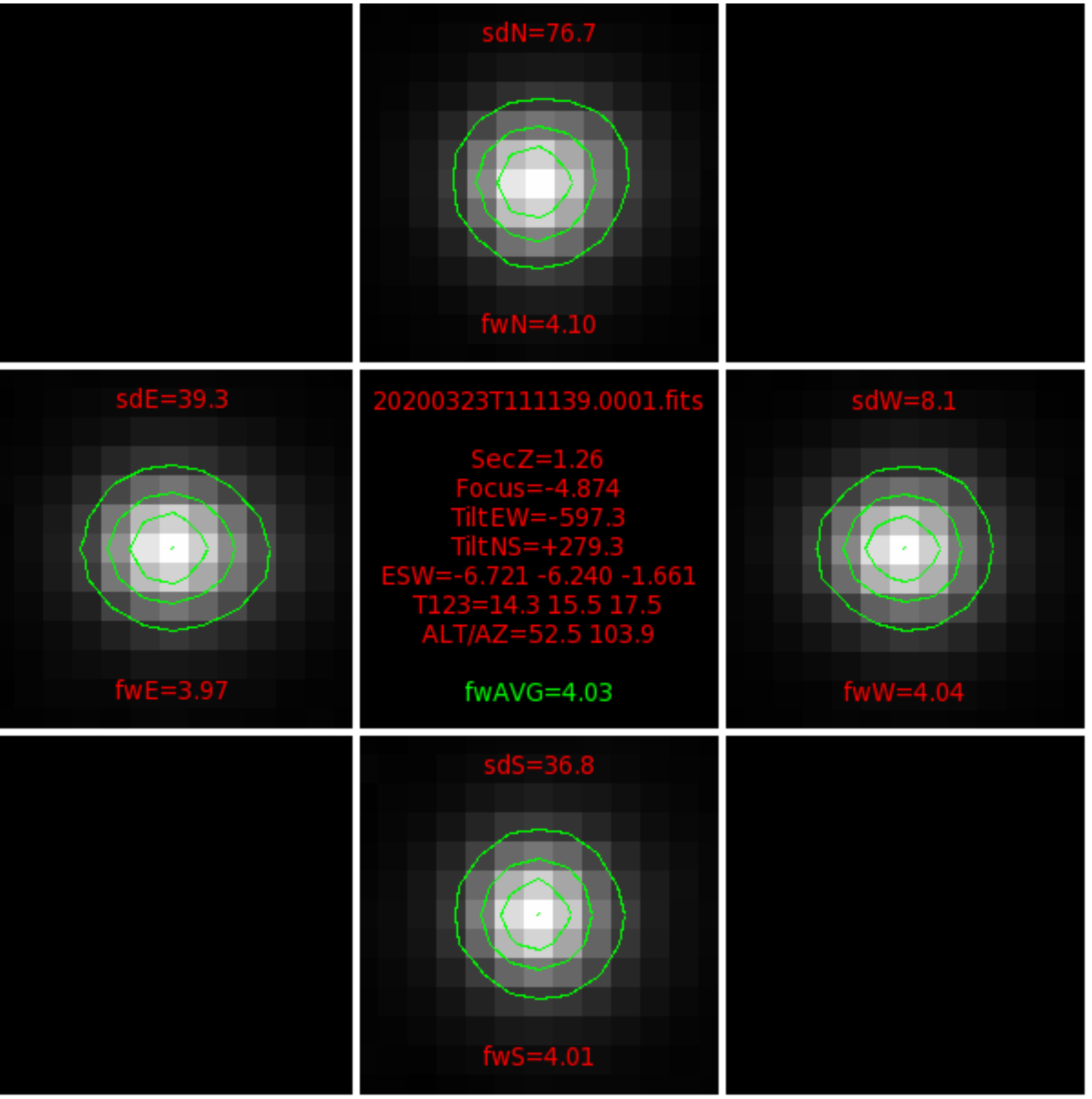
sdN=76.7
fwN=4.10
sdE=39.3
fwE=3.97
20200323T111139.0001.fits
SecZ=1.26
Focus=-4.874
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.721 -6.240 -1.661
T123=14.3 15.5 17.5
ALT/AZ=52.5 103.9
fwAVG=4.03
sdW=8.1
fwW=4.04
sdS=36.8
fwS=4.01
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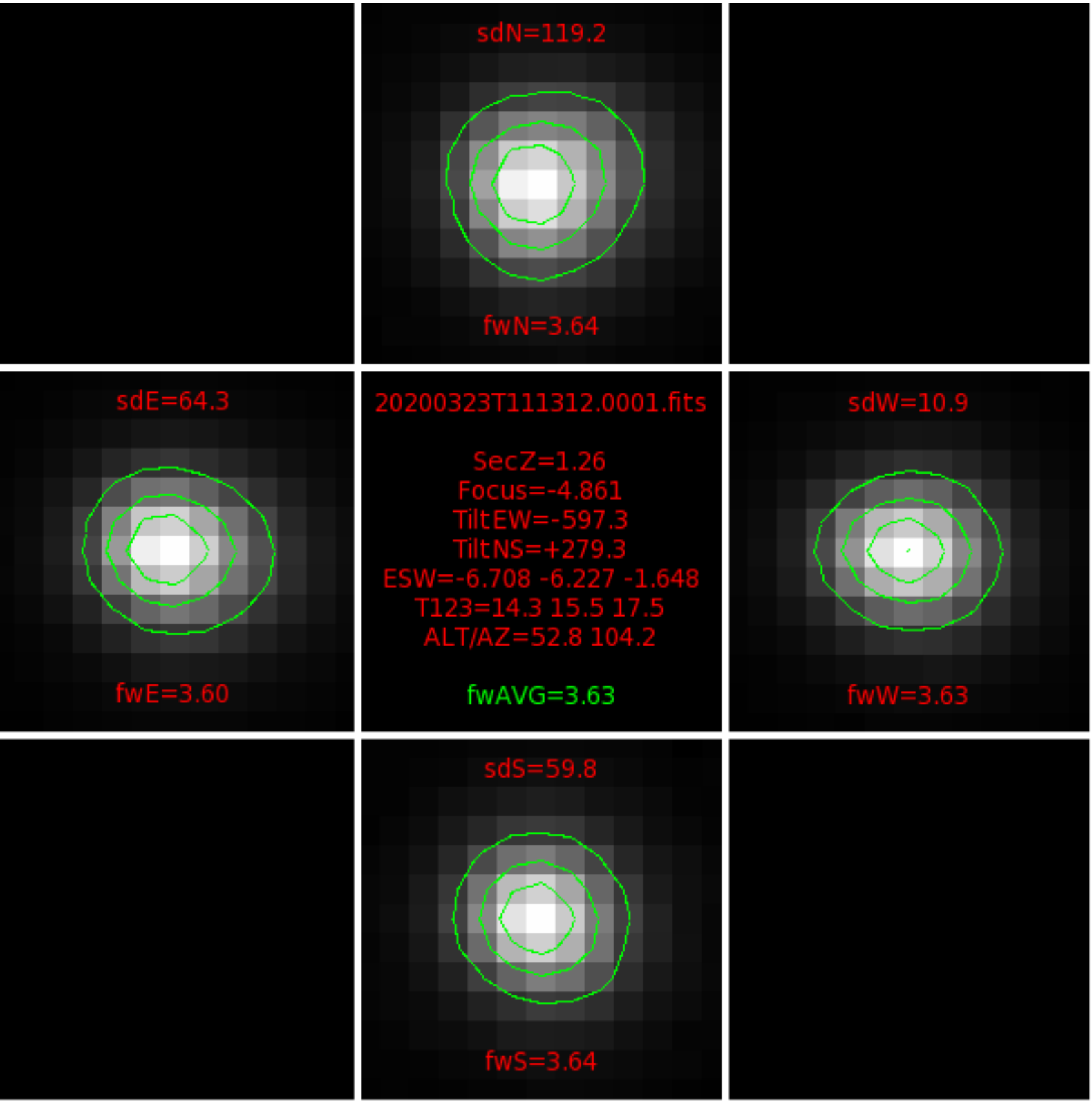
sdN=119.2
fwN=3.64
sdE=64.3
fwE=3.60
20200323T111312.0001.fits
SecZ=1.26
Focus=-4.861
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.708 -6.227 -1.648
T123=14.3 15.5 17.5
ALT/AZ=52.8 104.2
fwAVG=3.63
sdW=10.9
fwW=3.63
sdS=59.8
fwS=3.64
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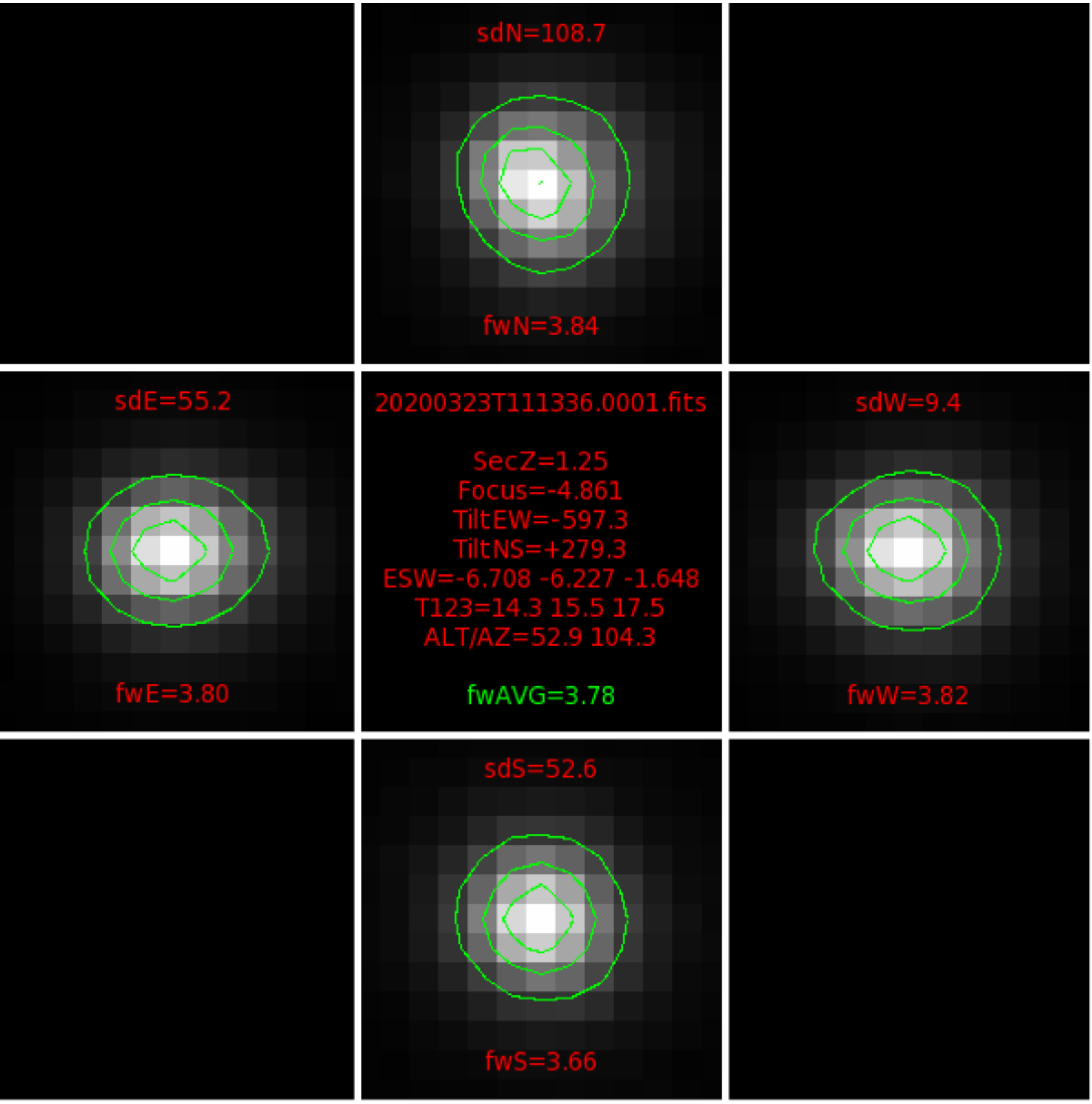
sdN=108.7
fwN=3.84
sdE=55.2
fwE=3.80
20200323T111336.0001.fits
SecZ=1.25
Focus=-4.861
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.708 -6.227 -1.648
T123=14.3 15.5 17.5
ALT/AZ=52.9 104.3
fwAVG=3.78
sdW=9.4
fwW=3.82
sdS=52.6
fwS=3.66
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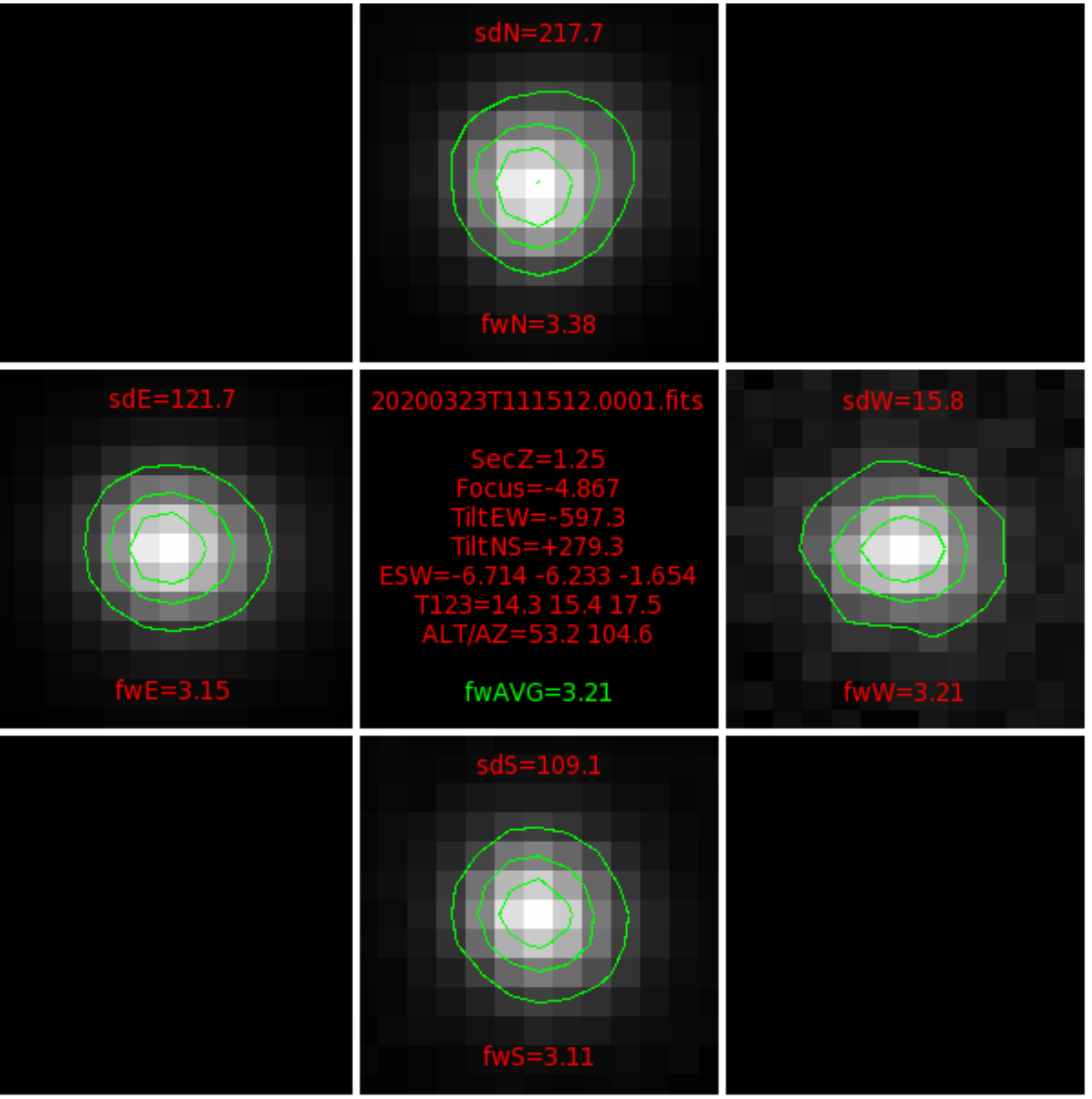
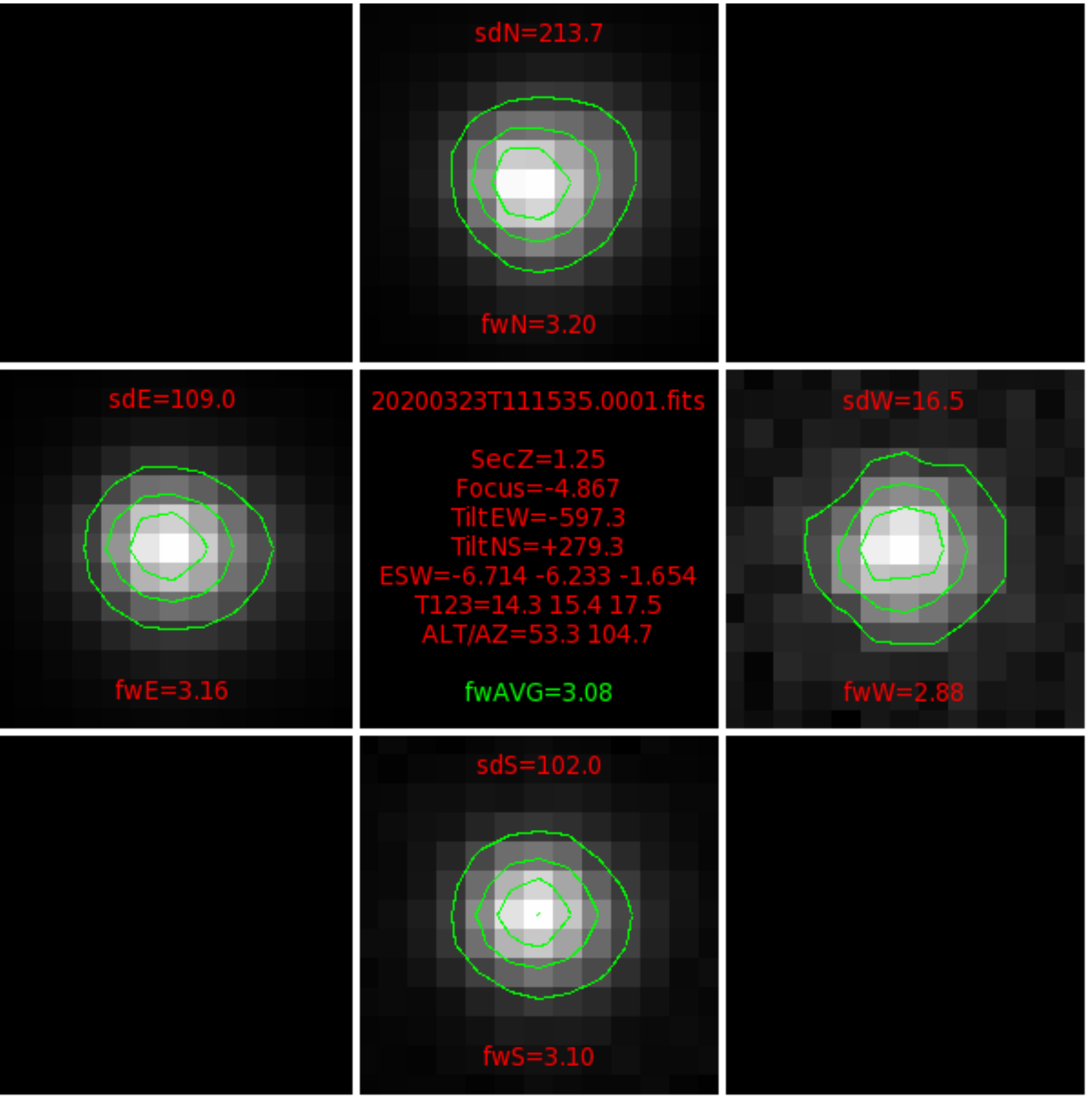

sdN=217.7
fwN=3.38
sdE=121.7
fwE=3.15
20200323T111512.0001.fits
SecZ=1.25
Focus=-4.867
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.714 -6.233 -1.654
T123=14.3 15.4 17.5
ALT/AZ=53.2 104.6
fwAVG=3.21
sdW=15.8
fwW=3.21
sdS=109.1
fwS=3.11
0 0 0 0 0 0 0 0 0


sdN=213.7
fwN=3.20
sdE=109.0
fwE=3.16
20200323T111535.0001.fits
SecZ=1.25
Focus=-4.867
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.714 -6.233 -1.654
T123=14.3 15.4 17.5
ALT/AZ=53.3 104.7
fwAVG=3.08
sdW=16.5
fwW=2.88
sdS=102.0
fwS=3.10
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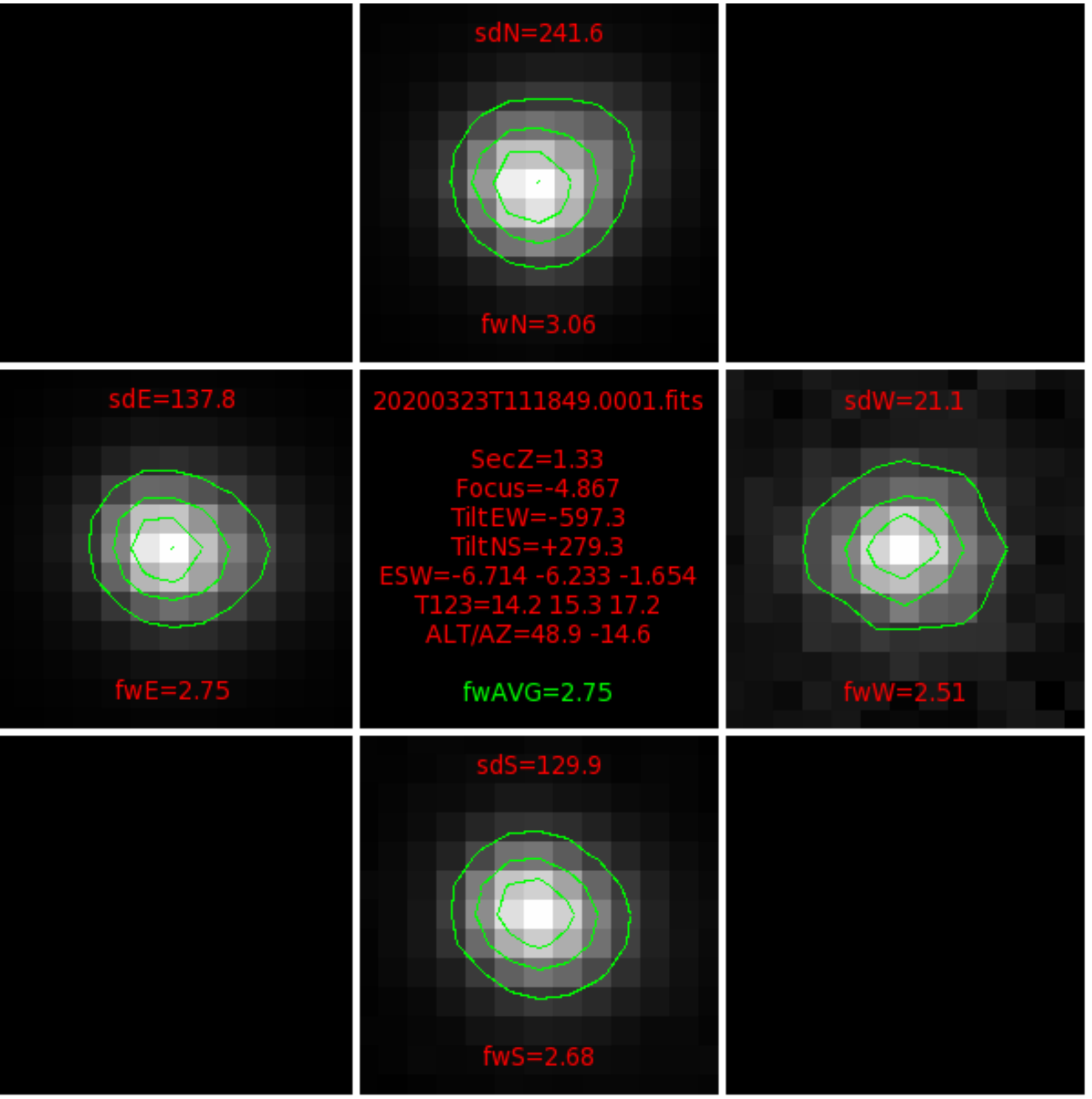
sdN=241.6
fwN=3.06
sdE=137.8
fwE=2.75
20200323T111849.0001.fits
SecZ=1.33
Focus=-4.867
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.714 -6.233 -1.654
T123=14.2 15.3 17.2
ALT/AZ=48.9 -14.6
fwAVG=2.75
sdW=21.1
fwW=2.51
sdS=129.9
fwS=2.68
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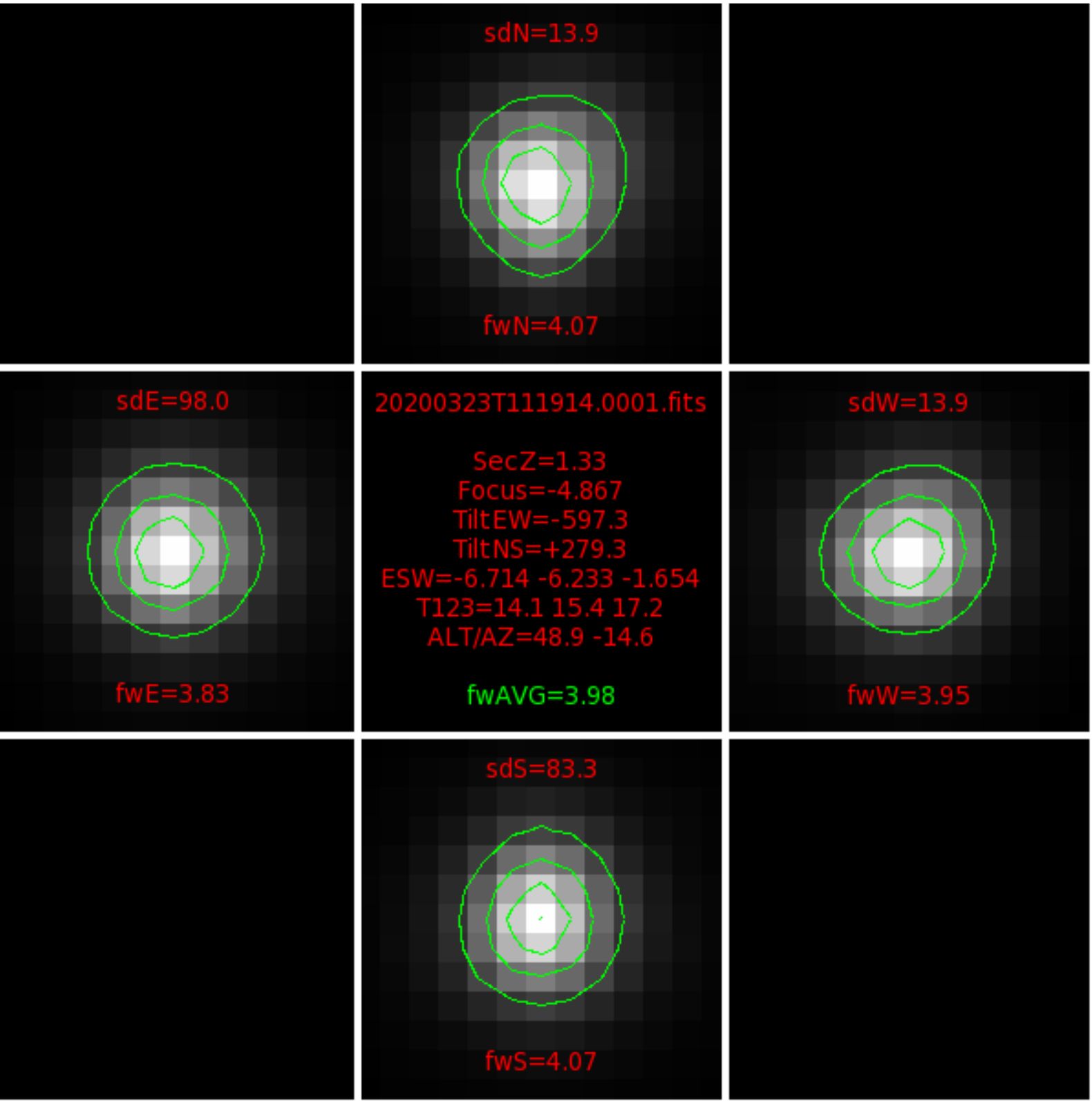
sdN=13.9
fwN=4.07
sdE=98.0
fwE=3.83
20200323T111914.0001.fits
SecZ=1.33
Focus=-4.867
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.714 -6.233 -1.654
T123=14.1 15.4 17.2
ALT/AZ=48.9 -14.6
fwAVG=3.98
sdW=13.9
fwW=3.95
sdS=83.3
fwS=4.07
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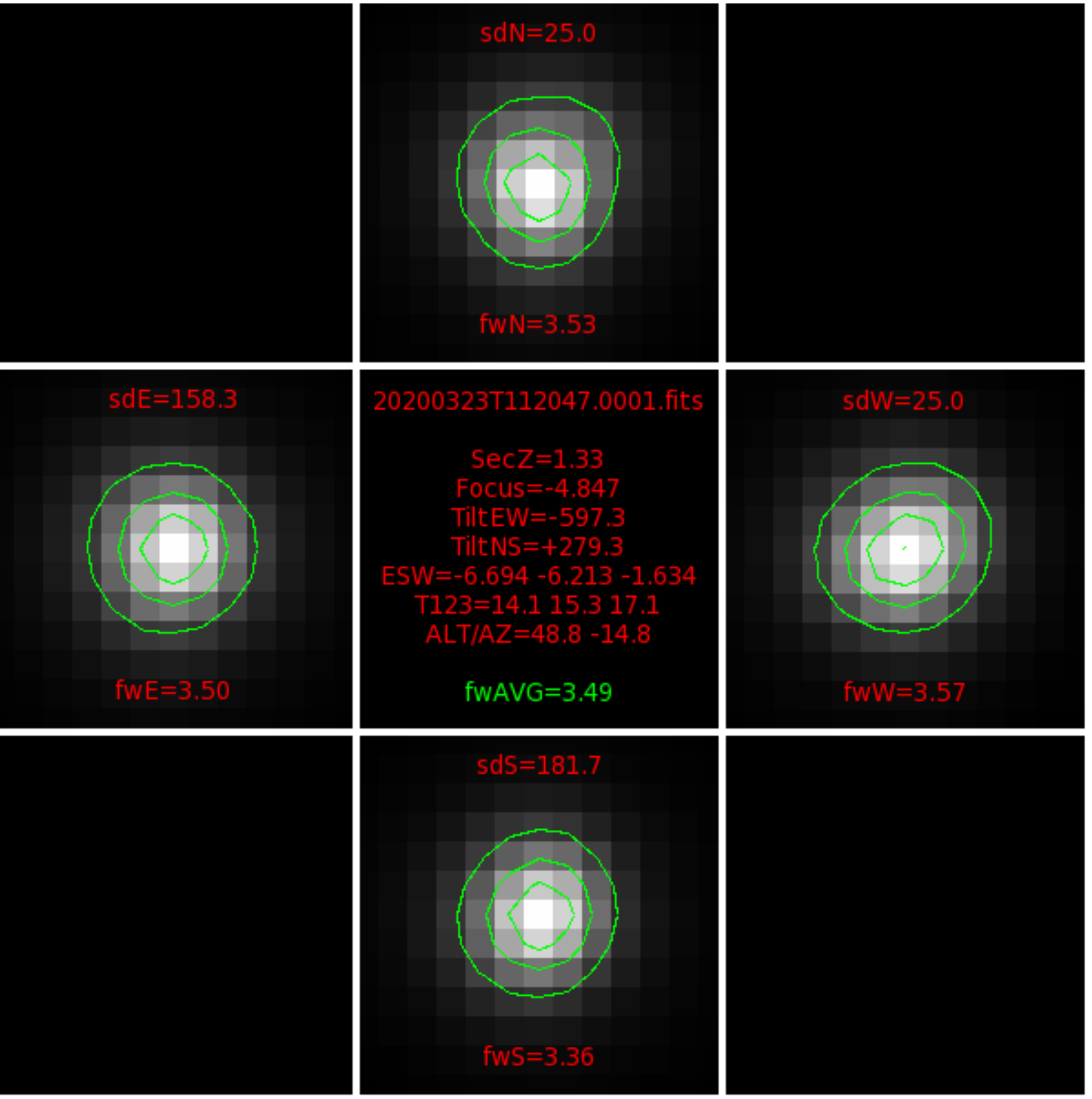
sdN=25.0
fwN=3.53
sdE=158.3
fwE=3.50
20200323T112047.0001.fits
SecZ=1.33
Focus=-4.847
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.694 -6.213 -1.634
T123=14.1 15.3 17.1
ALT/AZ=48.8 -14.8
fwAVG=3.49
sdW=25.0
fwW=3.57
sdS=181.7
fwS=3.36
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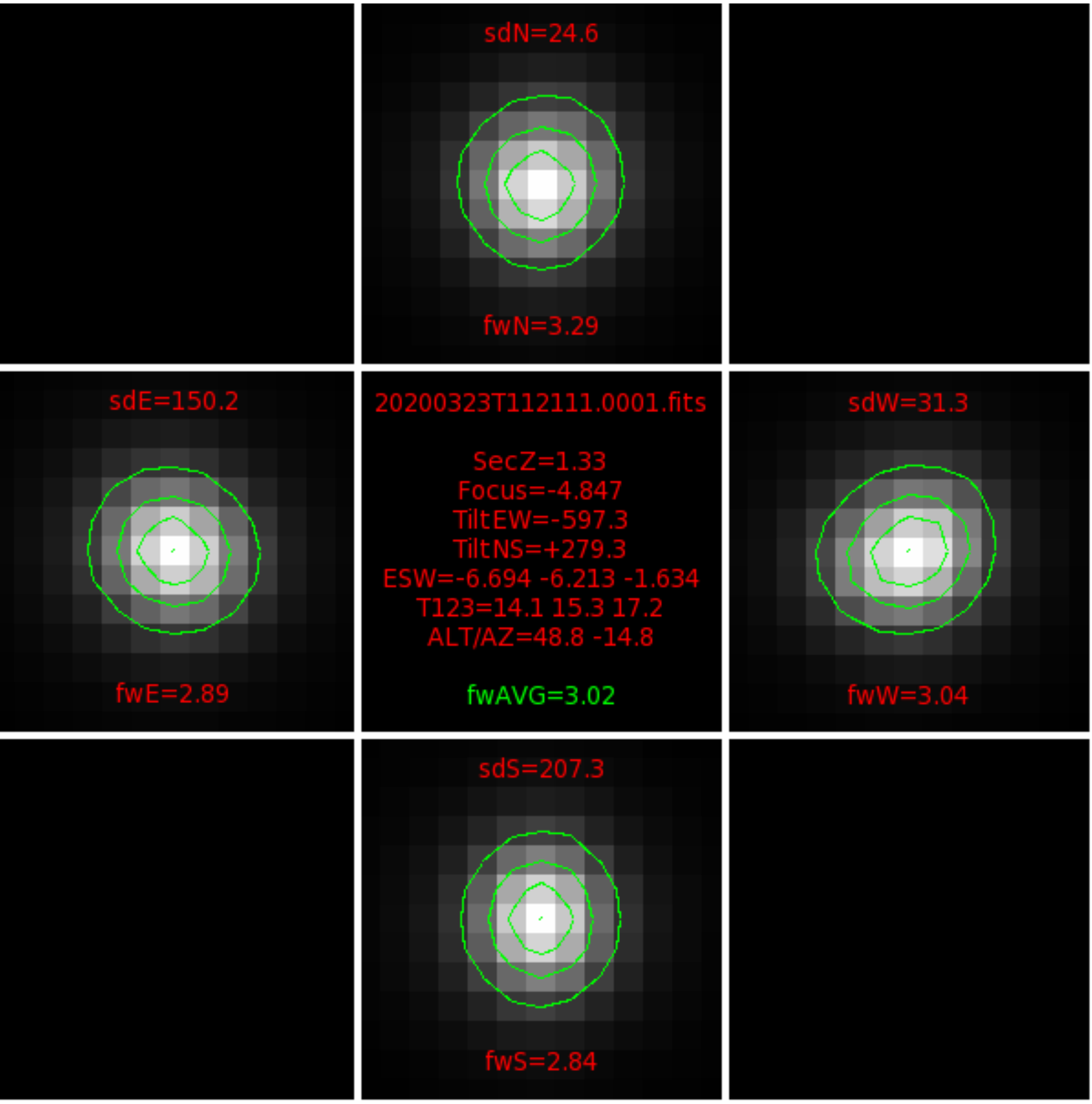
sdN=24.6
fwN=3.29
sdE=150.2
fwE=2.89
20200323T112111.0001.fits
SecZ=1.33
Focus=-4.847
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.694 -6.213 -1.634
T123=14.1 15.3 17.2
ALT/AZ=48.8 -14.8
fwAVG=3.02
sdW=31.3
fwW=3.04
sdS=207.3
fwS=2.84
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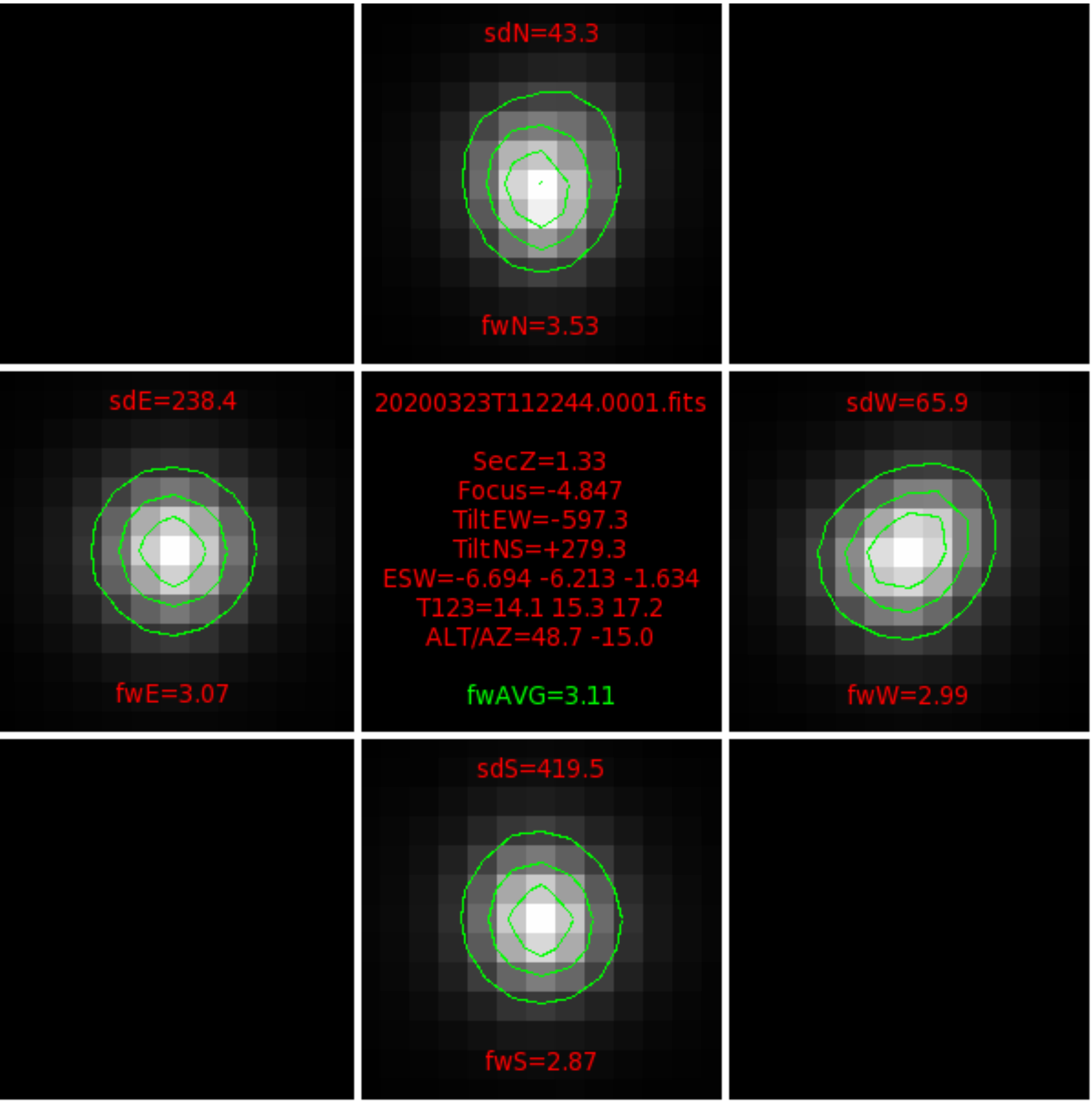
sdN=43.3
fwN=3.53
sdE=238.4
fwE=3.07
20200323T112244.0001.fits
SecZ=1.33
Focus=-4.847
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.694 -6.213 -1.634
T123=14.1 15.3 17.2
ALT/AZ=48.7 -15.0
fwAVG=3.11
sdW=65.9
fwW=2.99
sdS=419.5
fwS=2.87
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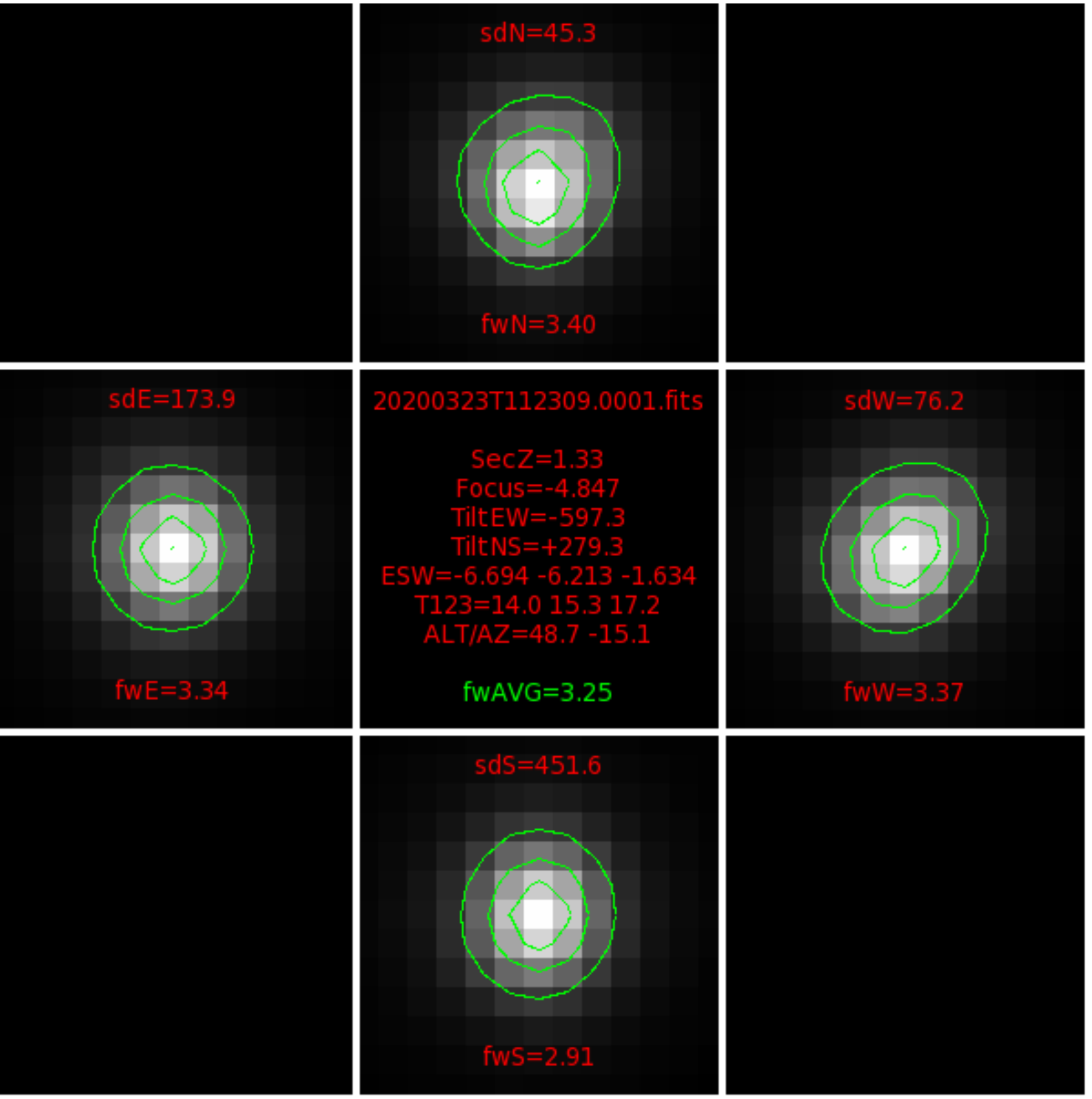
sdN=45.3
fwN=3.40
sdE=173.9
fwE=3.34
20200323T112309.0001.fits
SecZ=1.33
Focus=-4.847
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.694 -6.213 -1.634
T123=14.0 15.3 17.2
ALT/AZ=48.7 -15.1
fwAVG=3.25
sdW=76.2
fwW=3.37
sdS=451.6
fwS=2.91
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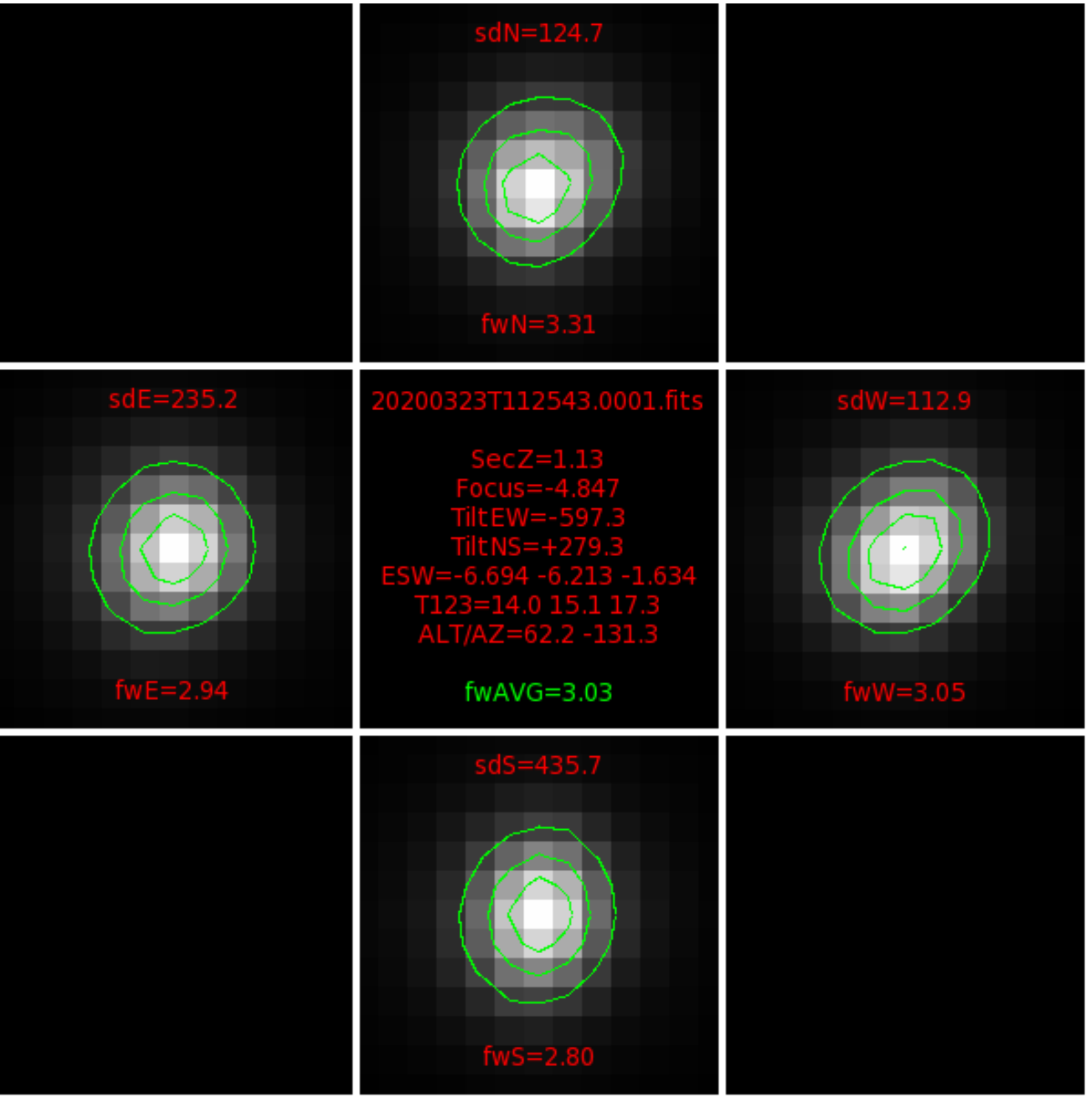
sdN=124.7
fwN=3.31
sdE=235.2
fwE=2.94
20200323T112543.0001.fits
SecZ=1.13
Focus=-4.847
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.694 -6.213 -1.634
T123=14.0 15.1 17.3
ALT/AZ=62.2 -131.3
fwAVG=3.03
sdW=112.9
fwW=3.05
sdS=435.7
fwS=2.80
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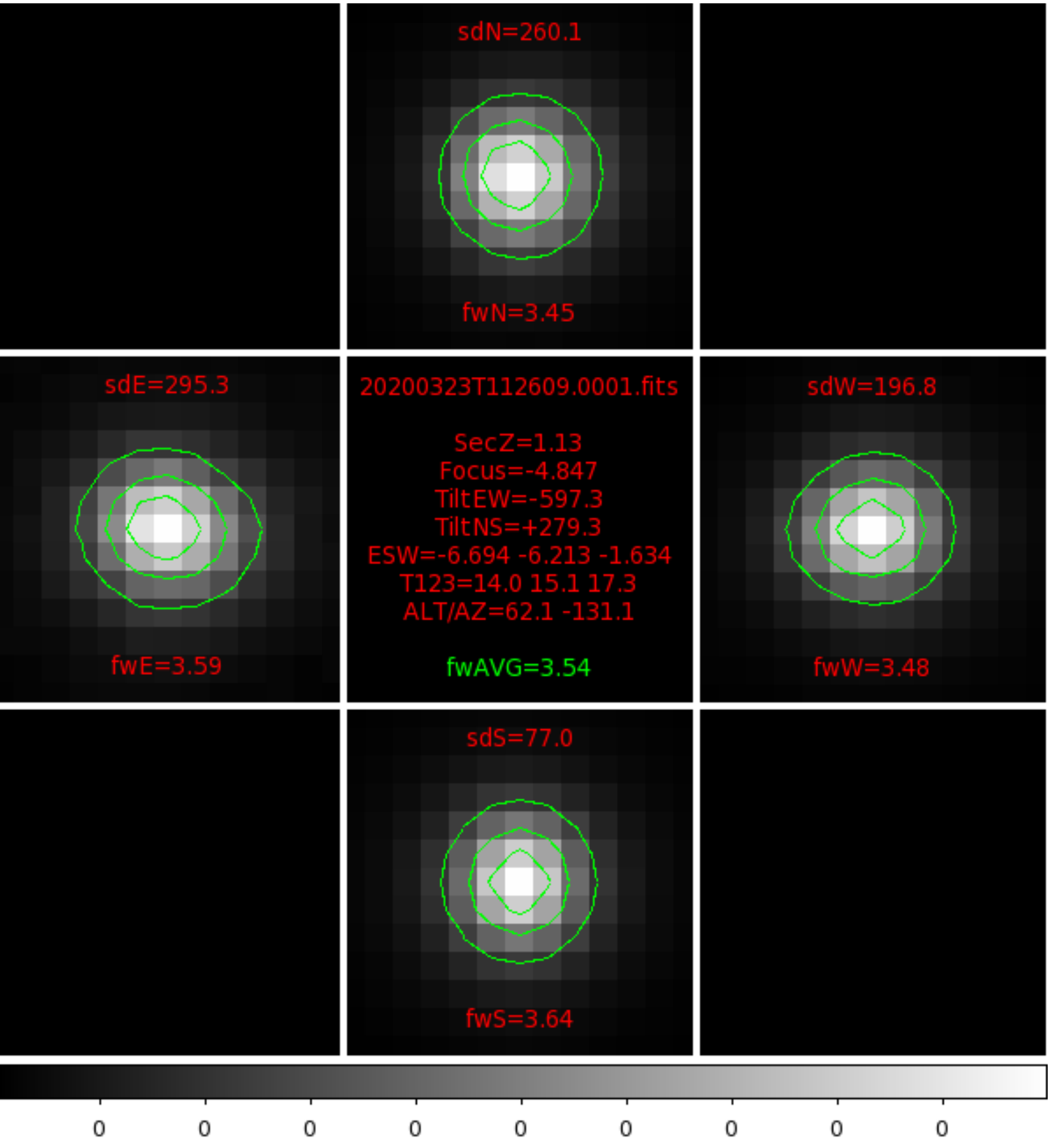
sdN=260.1
fwN=3.45
sdE=295.3
fwE=3.59
20200323T112609.0001.fits
SecZ=1.13
Focus=-4.847
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.694 -6.213 -1.634
T123=14.0 15.1 17.3
ALT/AZ=62.1 -131.1
fwAVG=3.54
sdW=196.8
fwW=3.48
sdS=77.0
fwS=3.64
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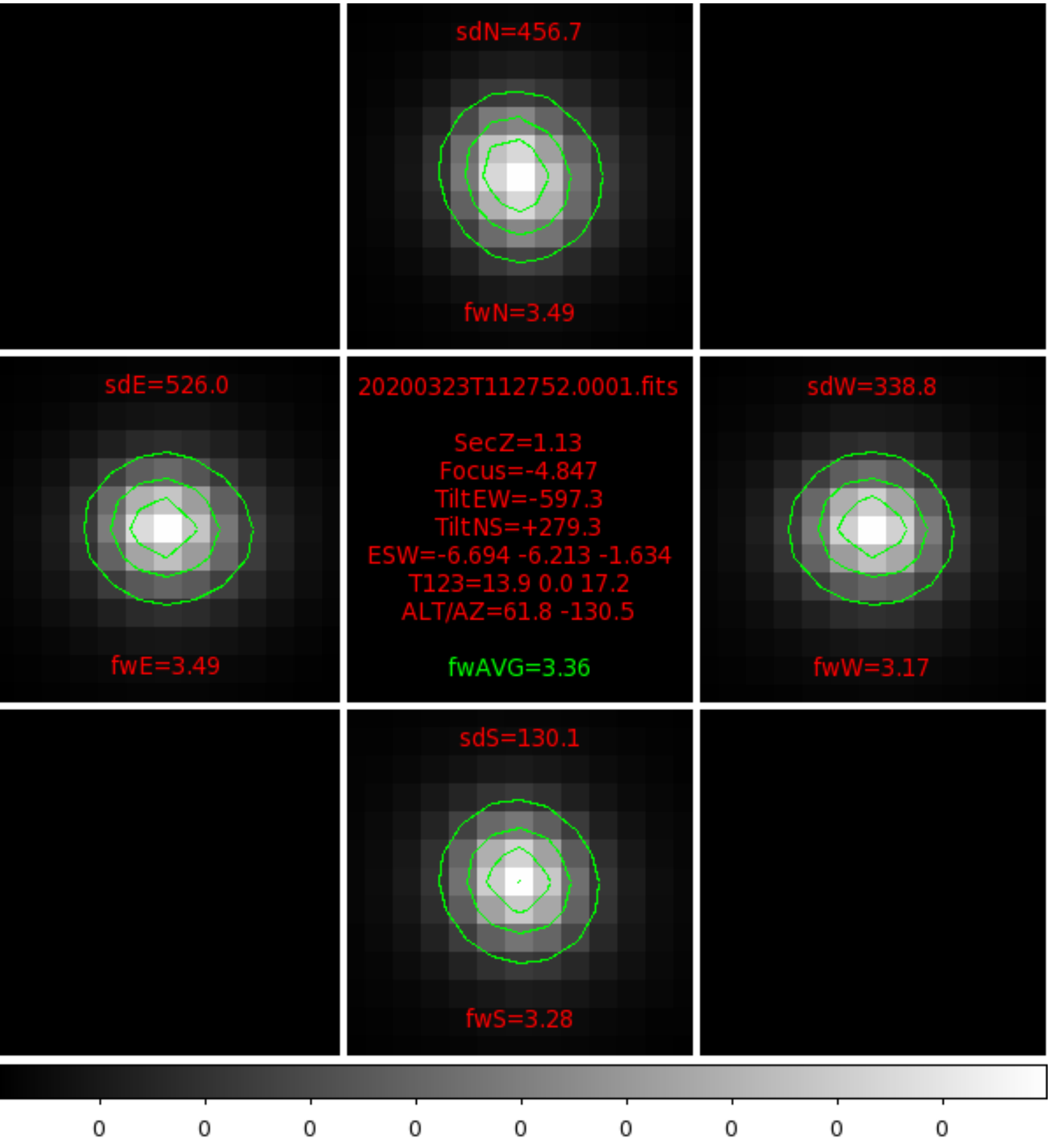
sdN=456.7
fwN=3.49
sdE=526.0
fwE=3.49
20200323T112752.0001.fits
SecZ=1.13
Focus=-4.847
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.694 -6.213 -1.634
T123=13.9 0.0 17.2
ALT/AZ=61.8 -130.5
fwAVG=3.36
sdW=338.8
fwW=3.17
sdS=130.1
fwS=3.28
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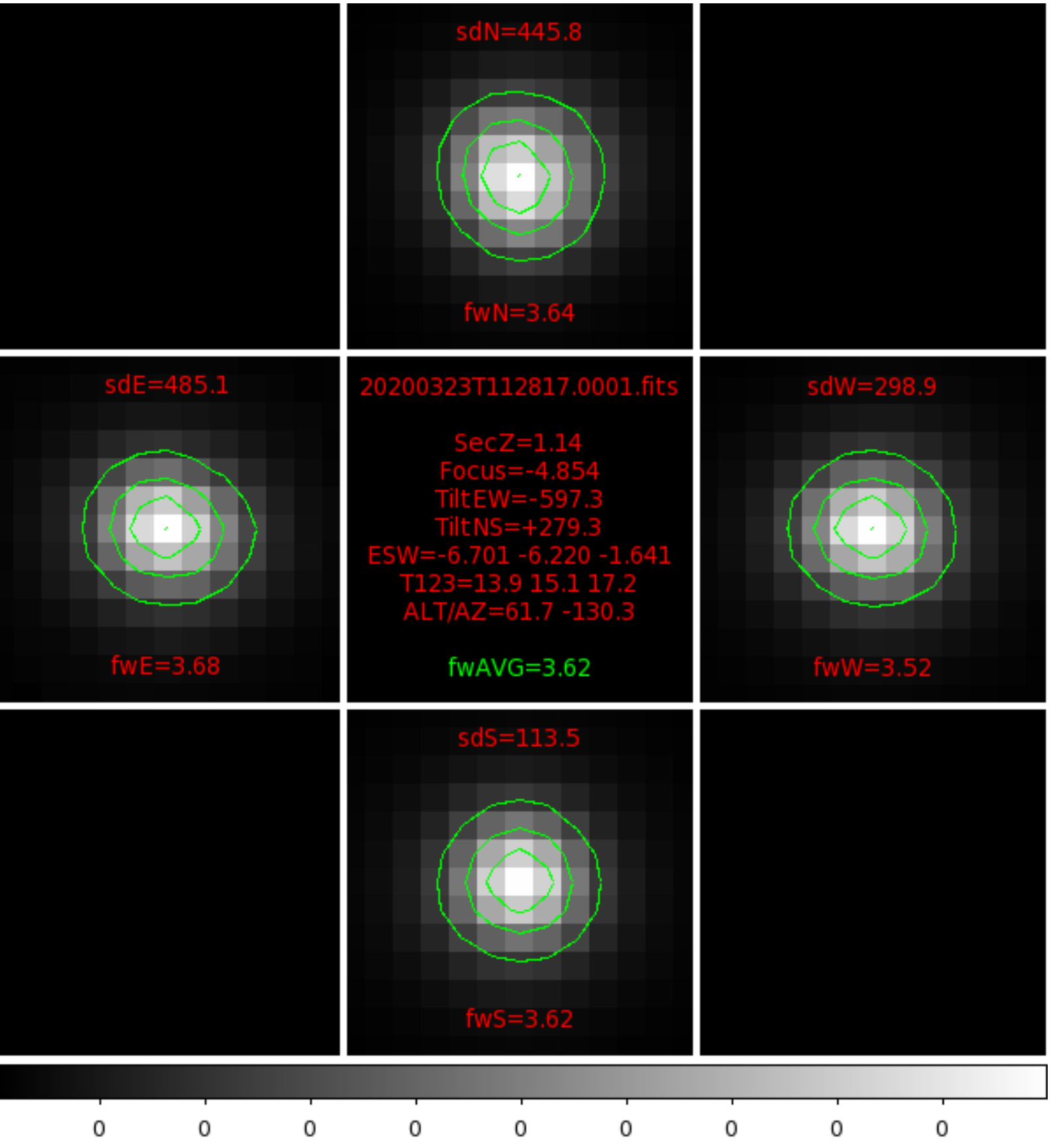
sdN=445.8
fwN=3.64
sdE=485.1
fwE=3.68
20200323T112817.0001.fits
SecZ=1.14
Focus=-4.854
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.701 -6.220 -1.641
T123=13.9 15.1 17.2
ALT/AZ=61.7 -130.3
fwAVG=3.62
sdW=298.9
fwW=3.52
sdS=113.5
fwS=3.62
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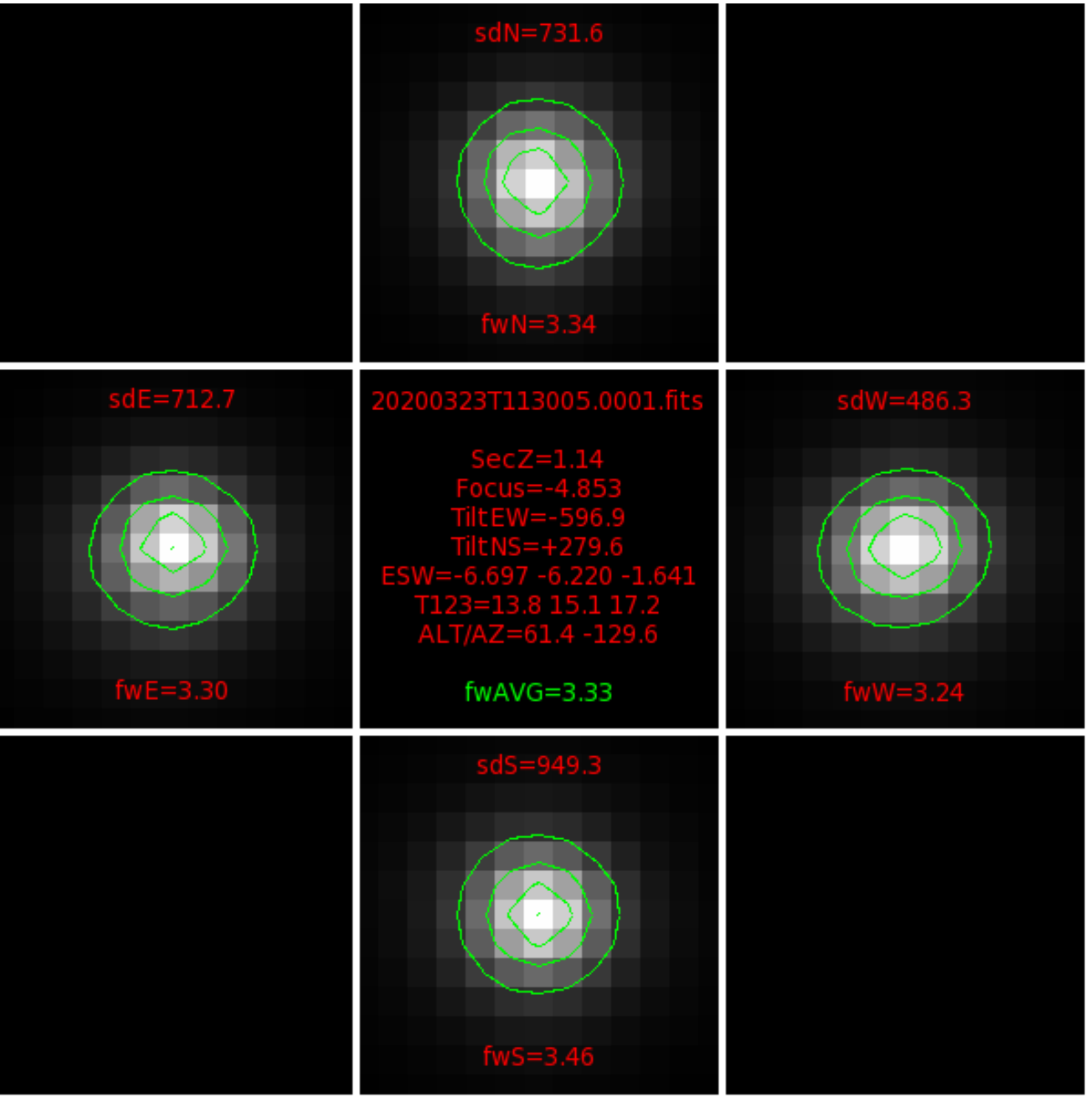
sdN=731.6
fwN=3.34
sdE=712.7
fwE=3.30
20200323T113005.0001.fits
SecZ=1.14
Focus=-4.853
TiltEW=-596.9
TiltNS=+279.6
ESW=-6.697 -6.220 -1.641
T123=13.8 15.1 17.2
ALT/AZ=61.4 -129.6
fwAVG=3.33
sdW=486.3
fwW=3.24
sdS=949.3
fwS=3.46
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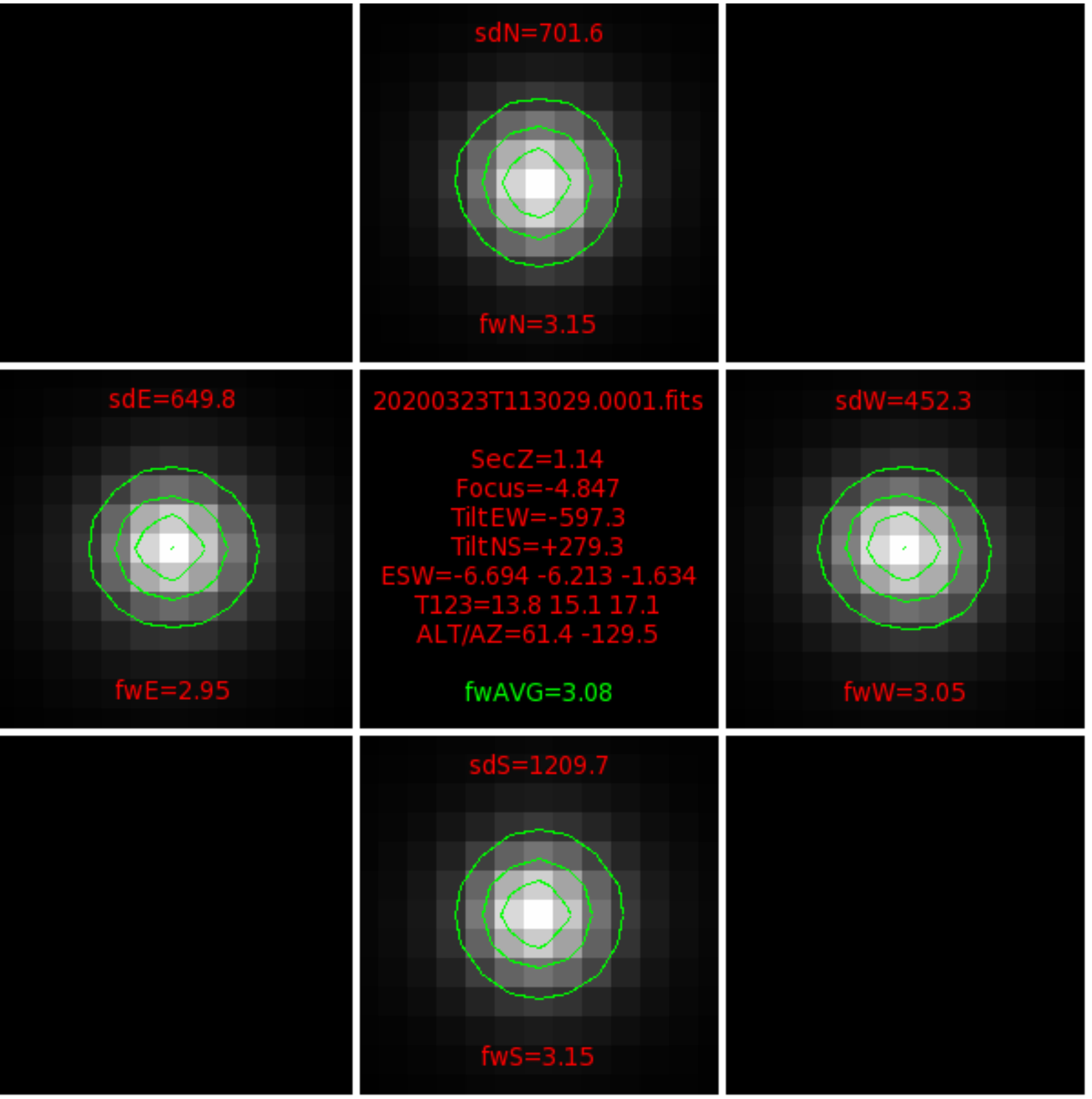
sdN=701.6
fwN=3.15
sdE=649.8
fwE=2.95
20200323T113029.0001.fits
SecZ=1.14
Focus=-4.847
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.694 -6.213 -1.634
T123=13.8 15.1 17.1
ALT/AZ=61.4 -129.5
fwAVG=3.08
sdW=452.3
fwW=3.05
sdS=1209.7
fwS=3.15
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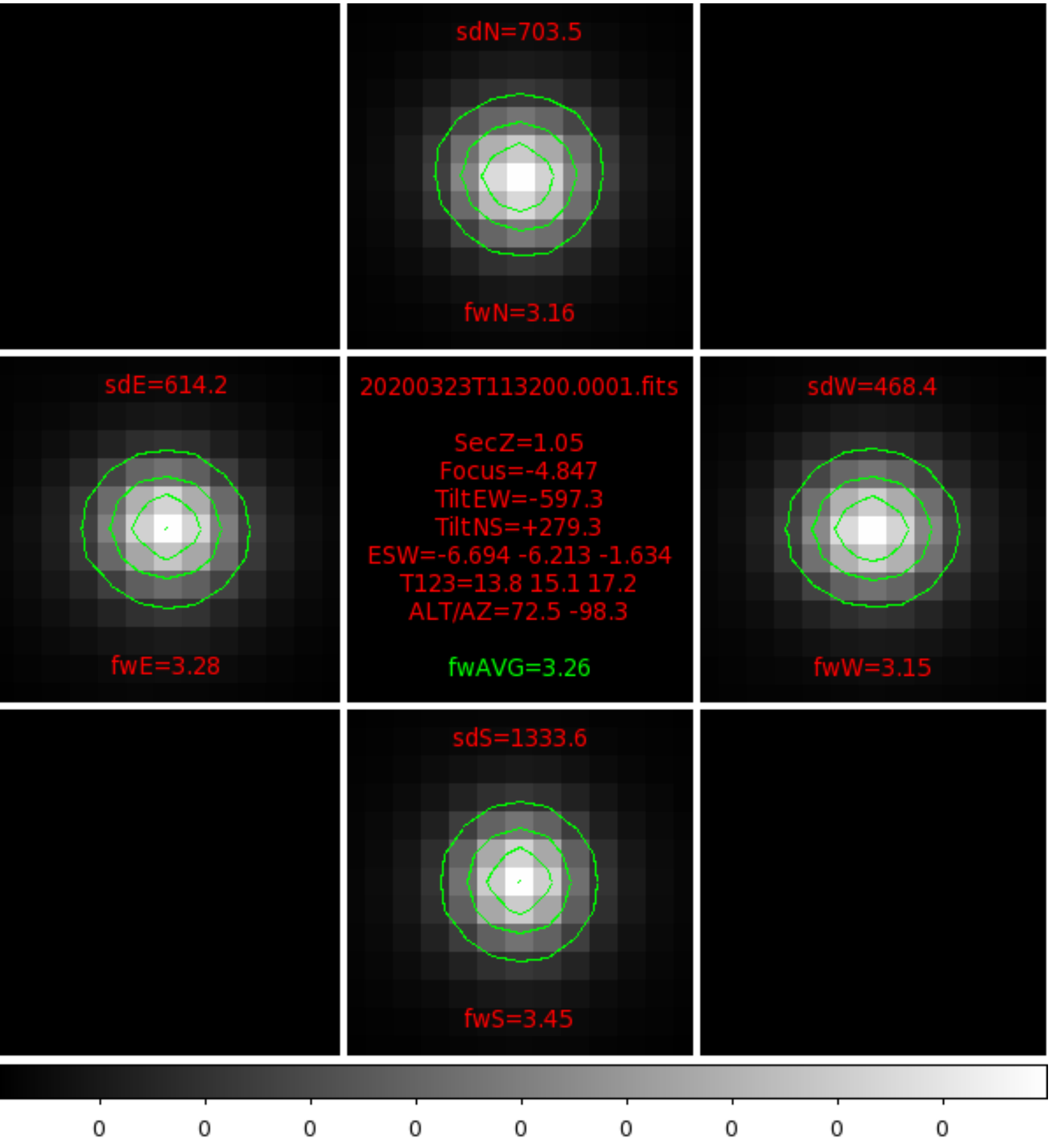
sdN=703.5
fwN=3.16
sdE=614.2
fwE=3.28
20200323T113200.0001.fits
SecZ=1.05
Focus=-4.847
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.694 -6.213 -1.634
T123=13.8 15.1 17.2
ALT/AZ=72.5 -98.3
fwAVG=3.26
sdW=468.4
fwW=3.15
sdS=1333.6
fwS=3.45
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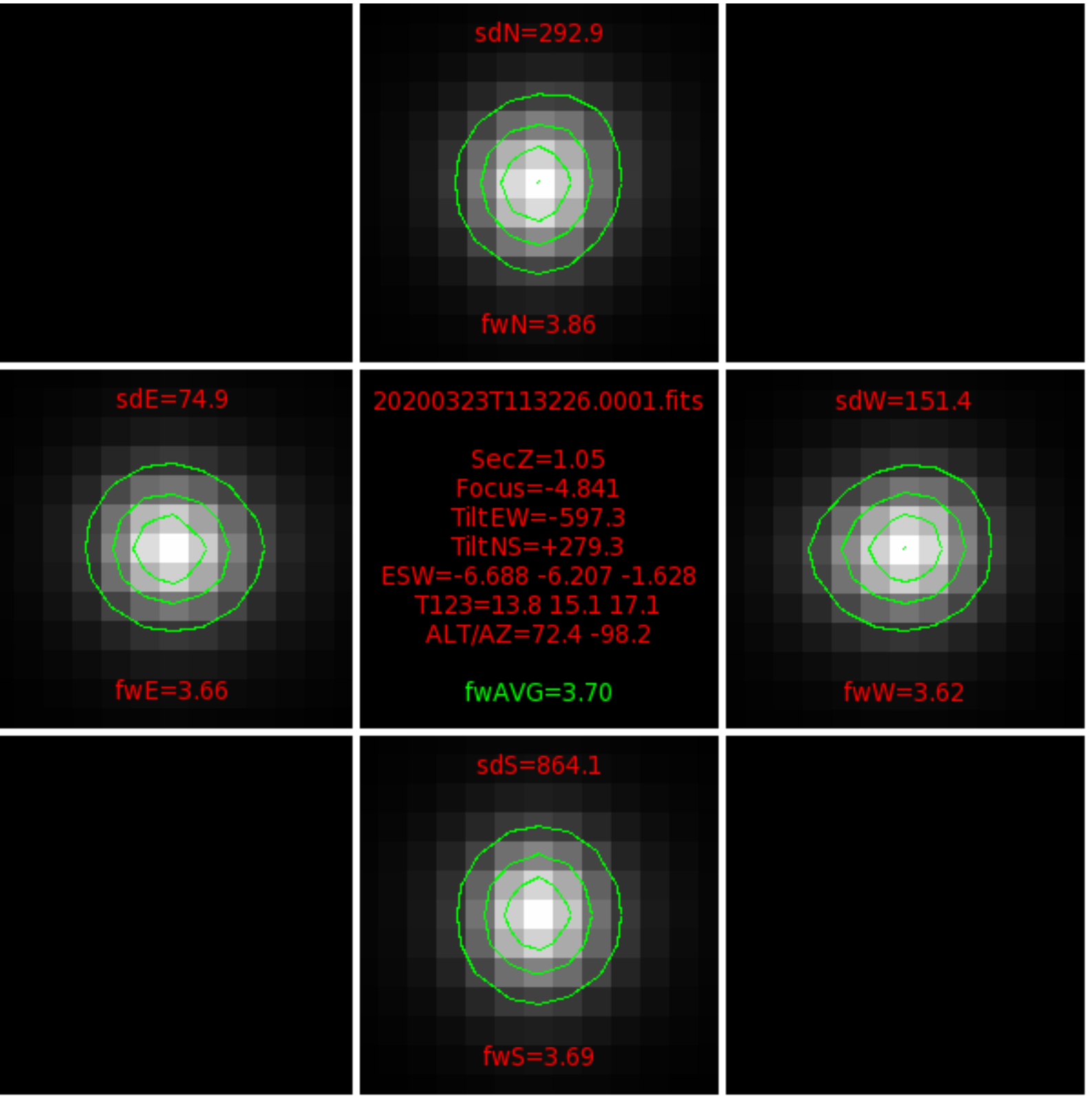
sdN=292.9
fwN=3.86
sdE=74.9
fwE=3.66
20200323T113226.0001.fits
SecZ=1.05
Focus=-4.841
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.688 -6.207 -1.628
T123=13.8 15.1 17.1
ALT/AZ=72.4 -98.2
fwAVG=3.70
sdW=151.4
fwW=3.62
sdS=864.1
fwS=3.69
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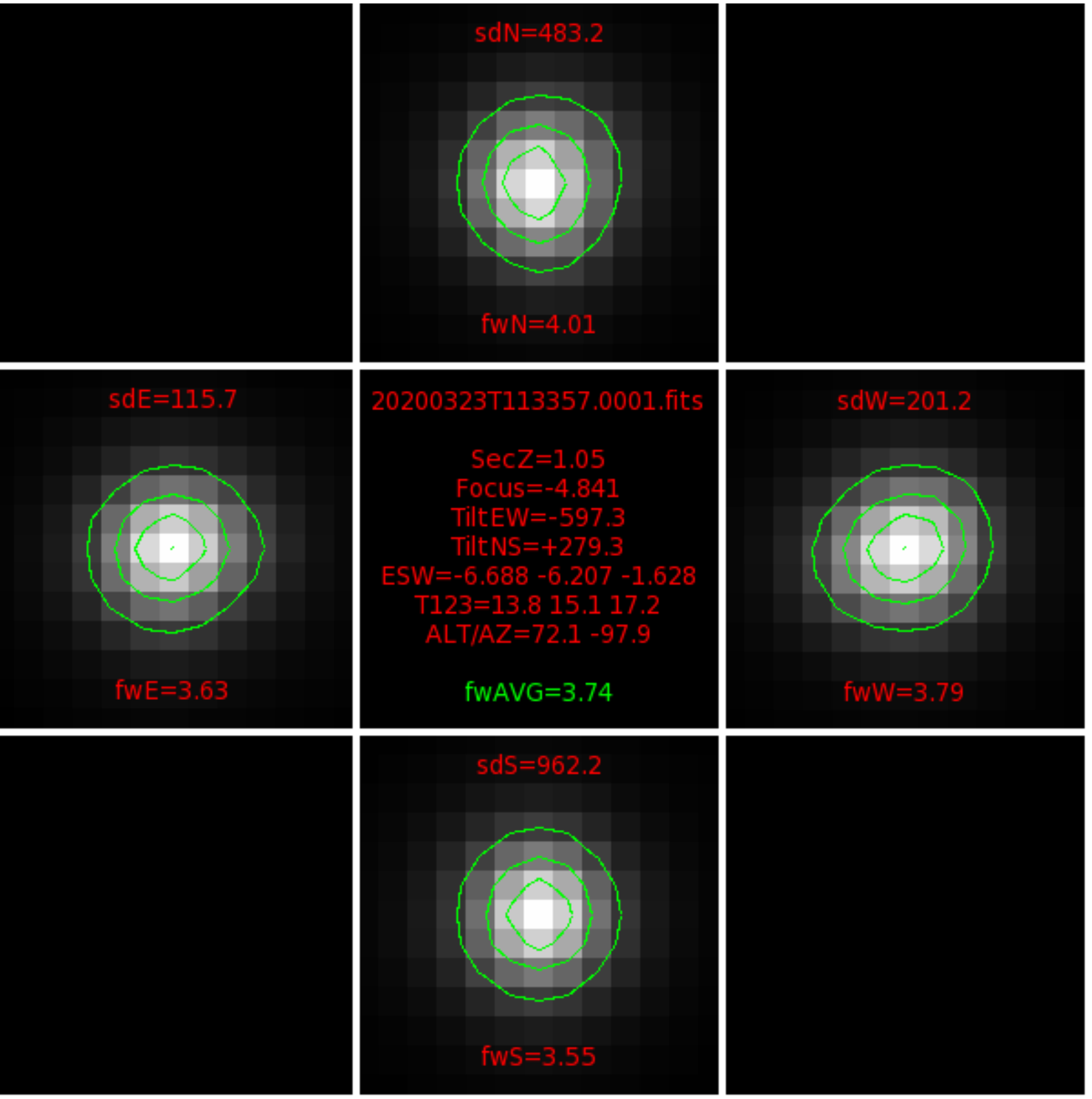
sdN=483.2
fwN=4.01
sdE=115.7
fwE=3.63
20200323T113357.0001.fits
SecZ=1.05
Focus=-4.841
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.688 -6.207 -1.628
T123=13.8 15.1 17.2
ALT/AZ=72.1 -97.9
fwAVG=3.74
sdW=201.2
fwW=3.79
sdS=962.2
fwS=3.55
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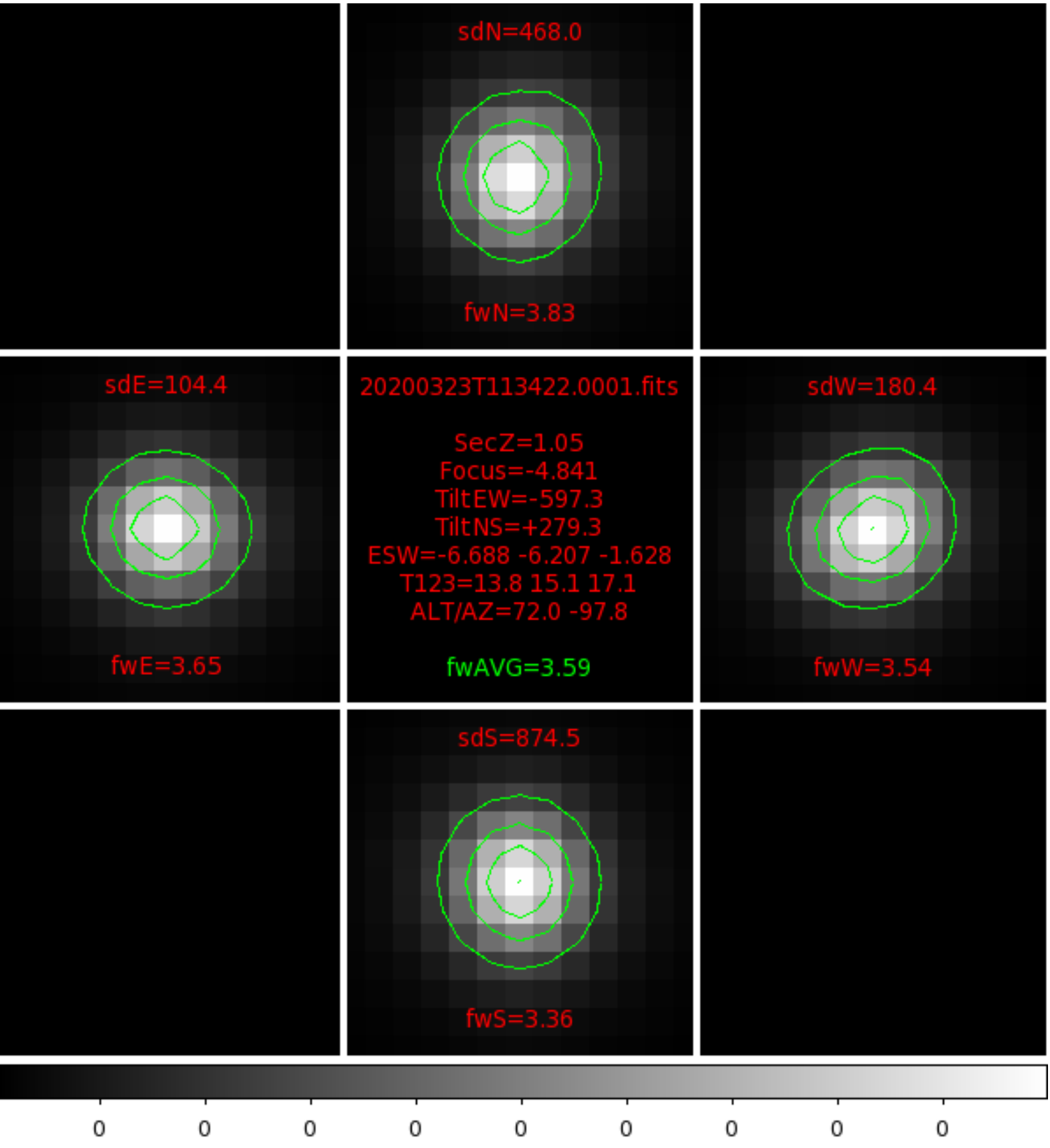
sdN=468.0
fwN=3.83
sdE=104.4
fwE=3.65
20200323T113422.0001.fits
SecZ=1.05
Focus=-4.841
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.688 -6.207 -1.628
T123=13.8 15.1 17.1
ALT/AZ=72.0 -97.8
fwAVG=3.59
sdW=180.4
fwW=3.54
sdS=874.5
fwS=3.36
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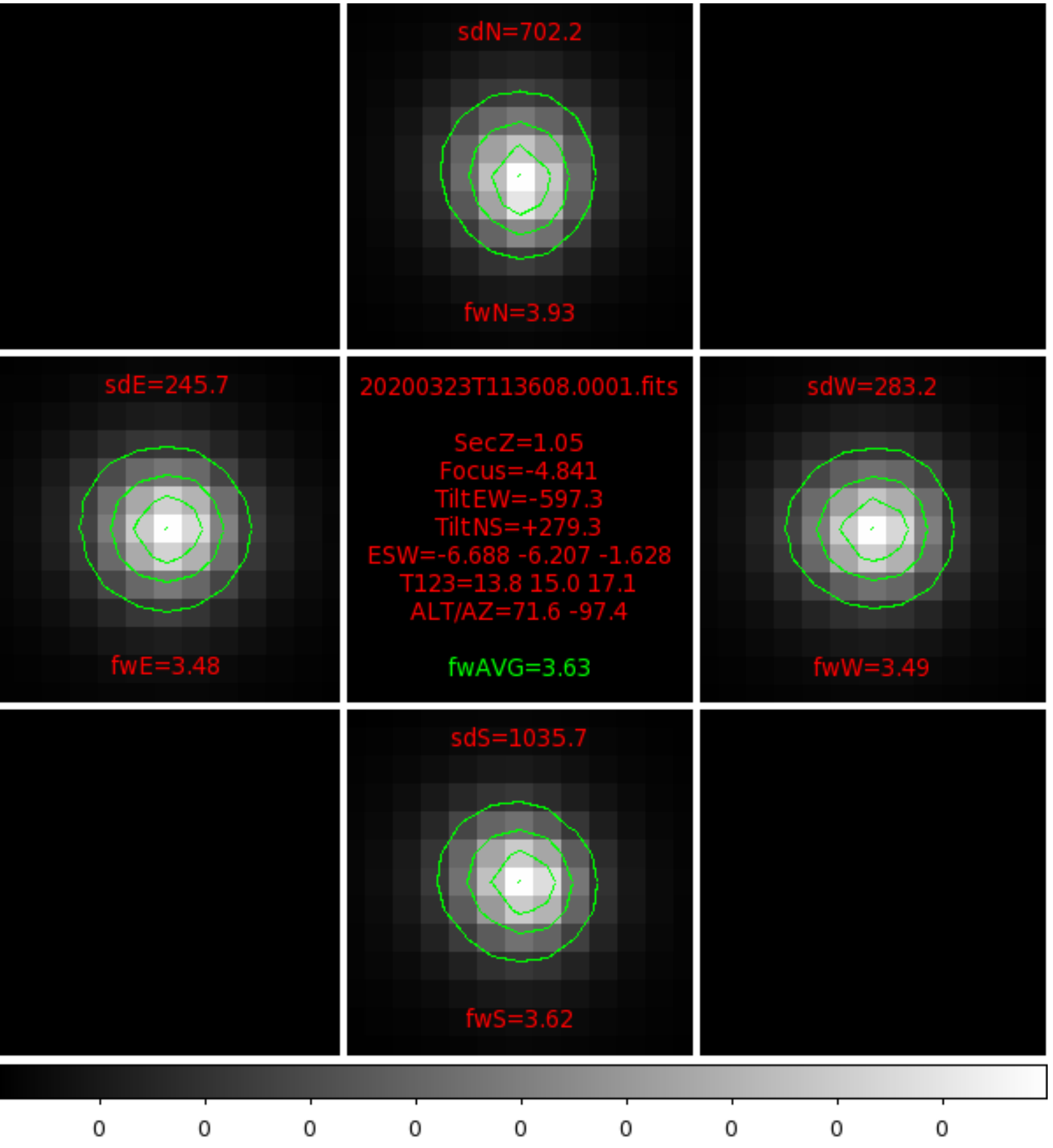
sdN=702.2
fwN=3.93
sdE=245.7
fwE=3.48
20200323T113608.0001.fits
SecZ=1.05
Focus=-4.841
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.688 -6.207 -1.628
T123=13.8 15.0 17.1
ALT/AZ=71.6 -97.4
fwAVG=3.63
sdW=283.2
fwW=3.49
sdS=1035.7
fwS=3.62
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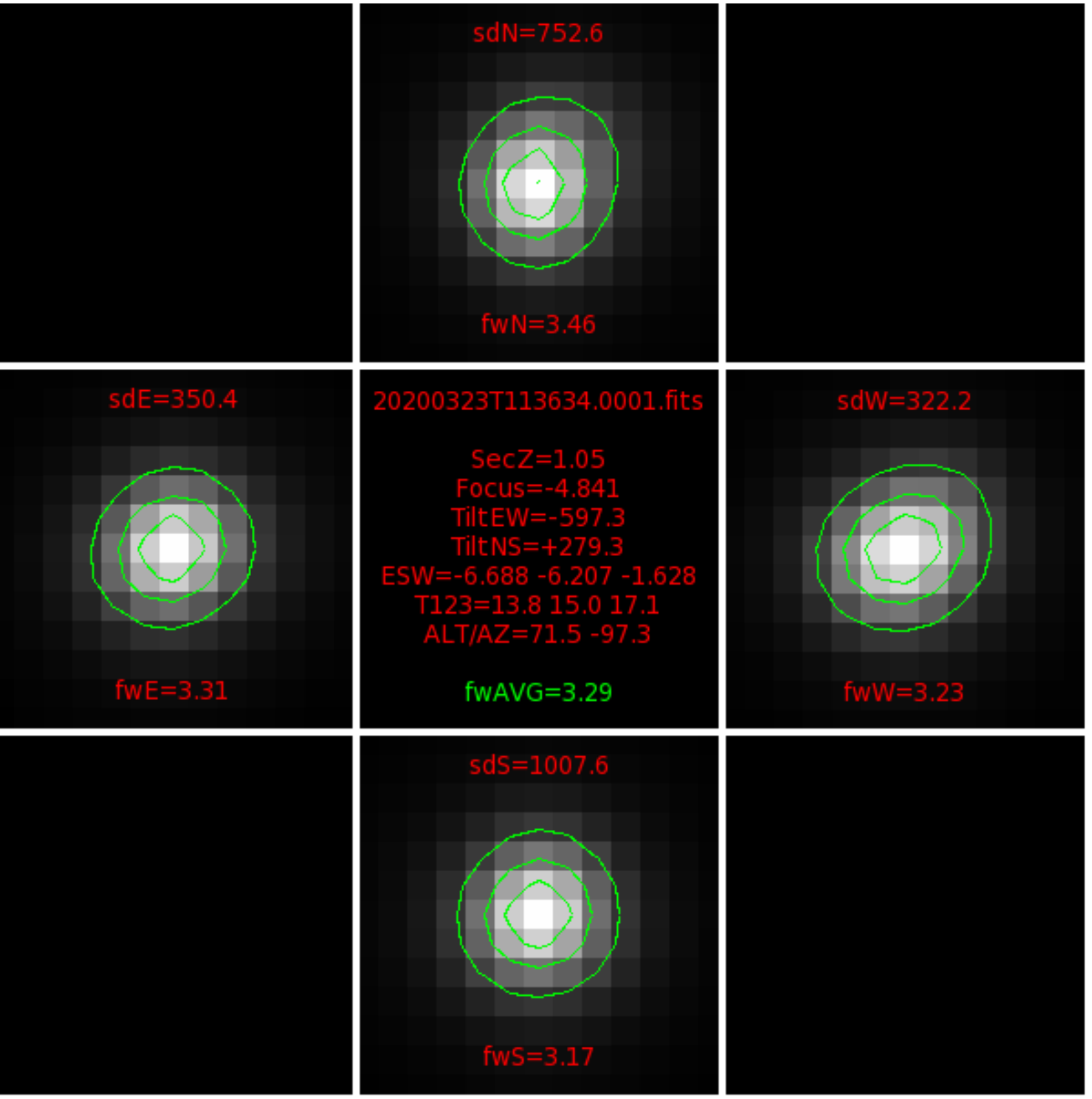
sdN=752.6
fwN=3.46
sdE=350.4
fwE=3.31
20200323T113634.0001.fits
SecZ=1.05
Focus=-4.841
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.688 -6.207 -1.628
T123=13.8 15.0 17.1
ALT/AZ=71.5 -97.3
fwAVG=3.29
sdW=322.2
fwW=3.23
sdS=1007.6
fwS=3.17
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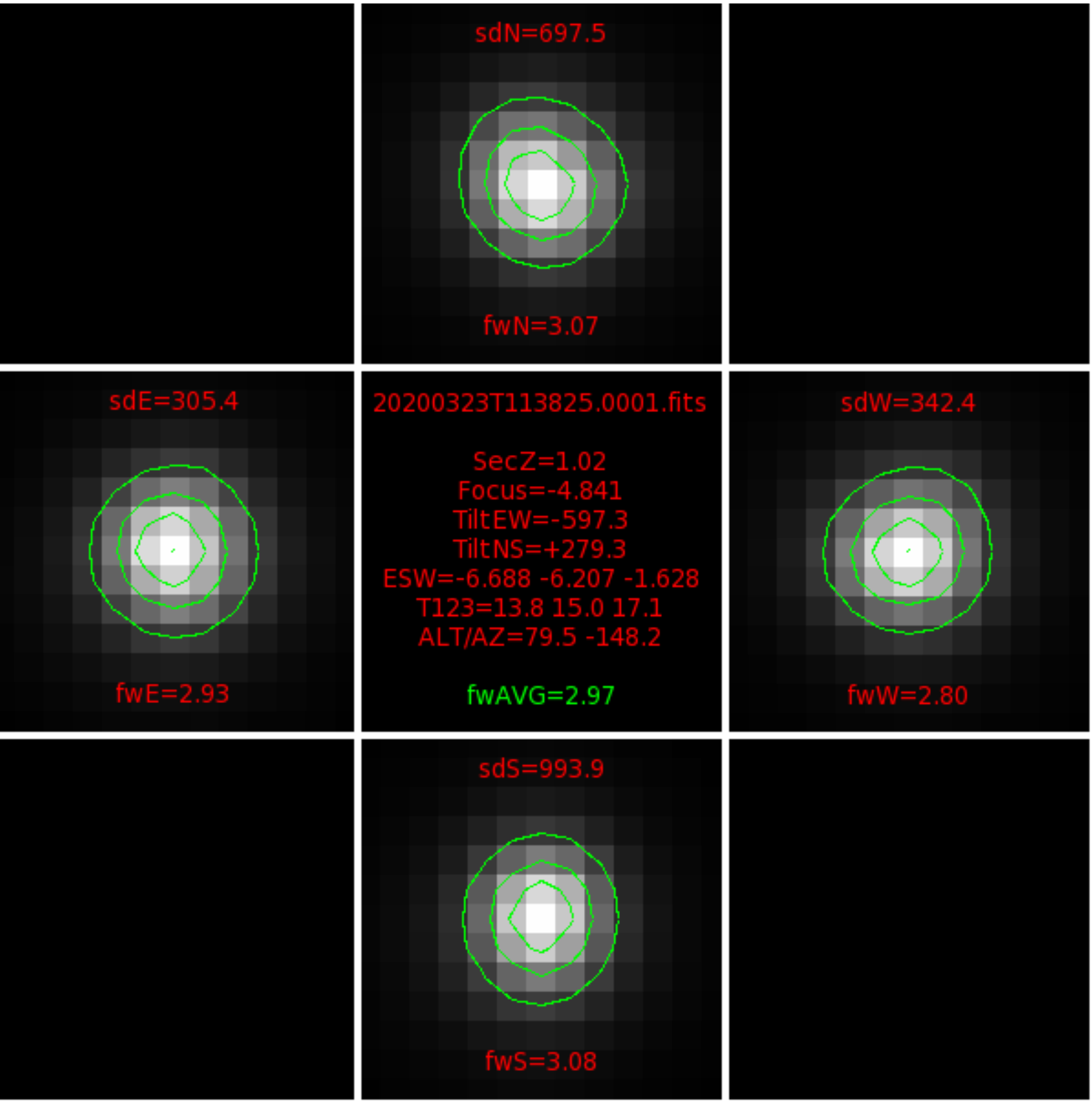
sdN=697.5
fwN=3.07
sdE=305.4
fwE=2.93
20200323T113825.0001.fits
SecZ=1.02
Focus=-4.841
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.688 -6.207 -1.628
T123=13.8 15.0 17.1
ALT/AZ=79.5 -148.2
fwAVG=2.97
sdW=342.4
fwW=2.80
sdS=993.9
fwS=3.08
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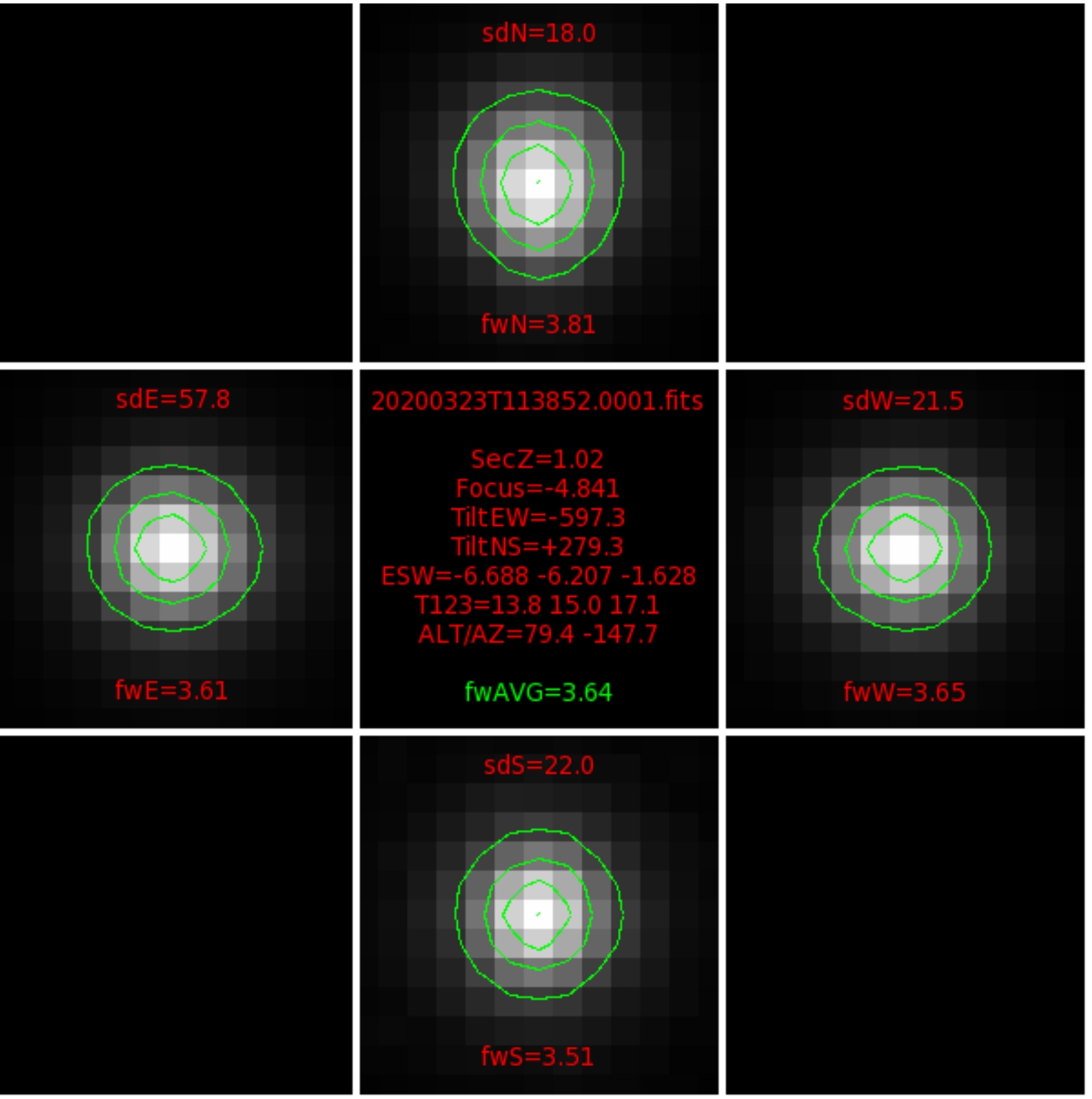
sdN=18.0
fwN=3.81
sdE=57.8
fwE=3.61
20200323T113852.0001.fits
SecZ=1.02
Focus=-4.841
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.688 -6.207 -1.628
T123=13.8 15.0 17.1
ALT/AZ=79.4 -147.7
fwAVG=3.64
sdW=21.5
fwW=3.65
sdS=22.0
fwS=3.51
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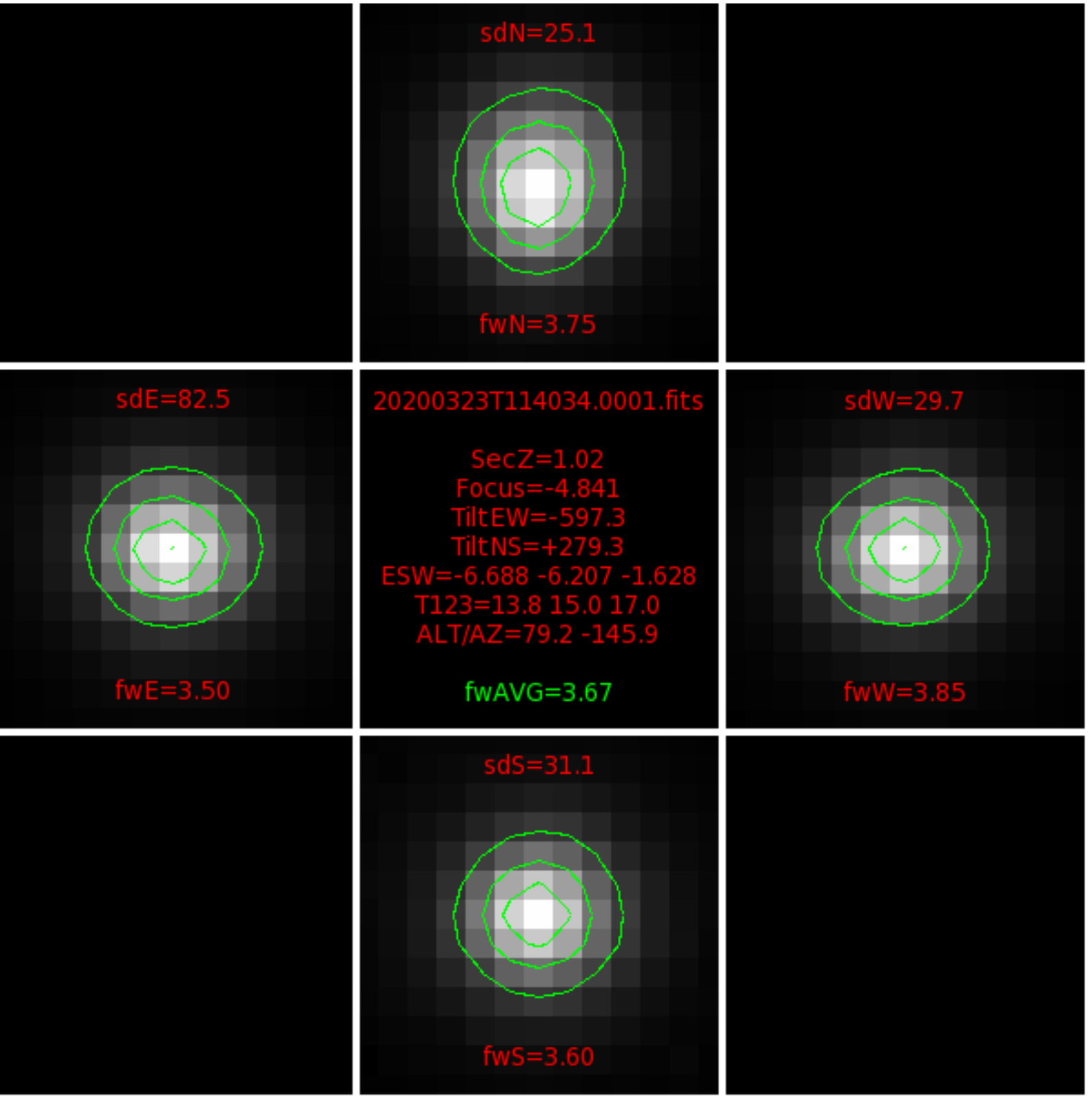
sdN=25.1
fwN=3.75
sdE=82.5
fwE=3.50
20200323T114034.0001.fits
SecZ=1.02
Focus=-4.841
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.688 -6.207 -1.628
T123=13.8 15.0 17.0
ALT/AZ=79.2 -145.9
fwAVG=3.67
sdW=29.7
fwW=3.85
sdS=31.1
fwS=3.60
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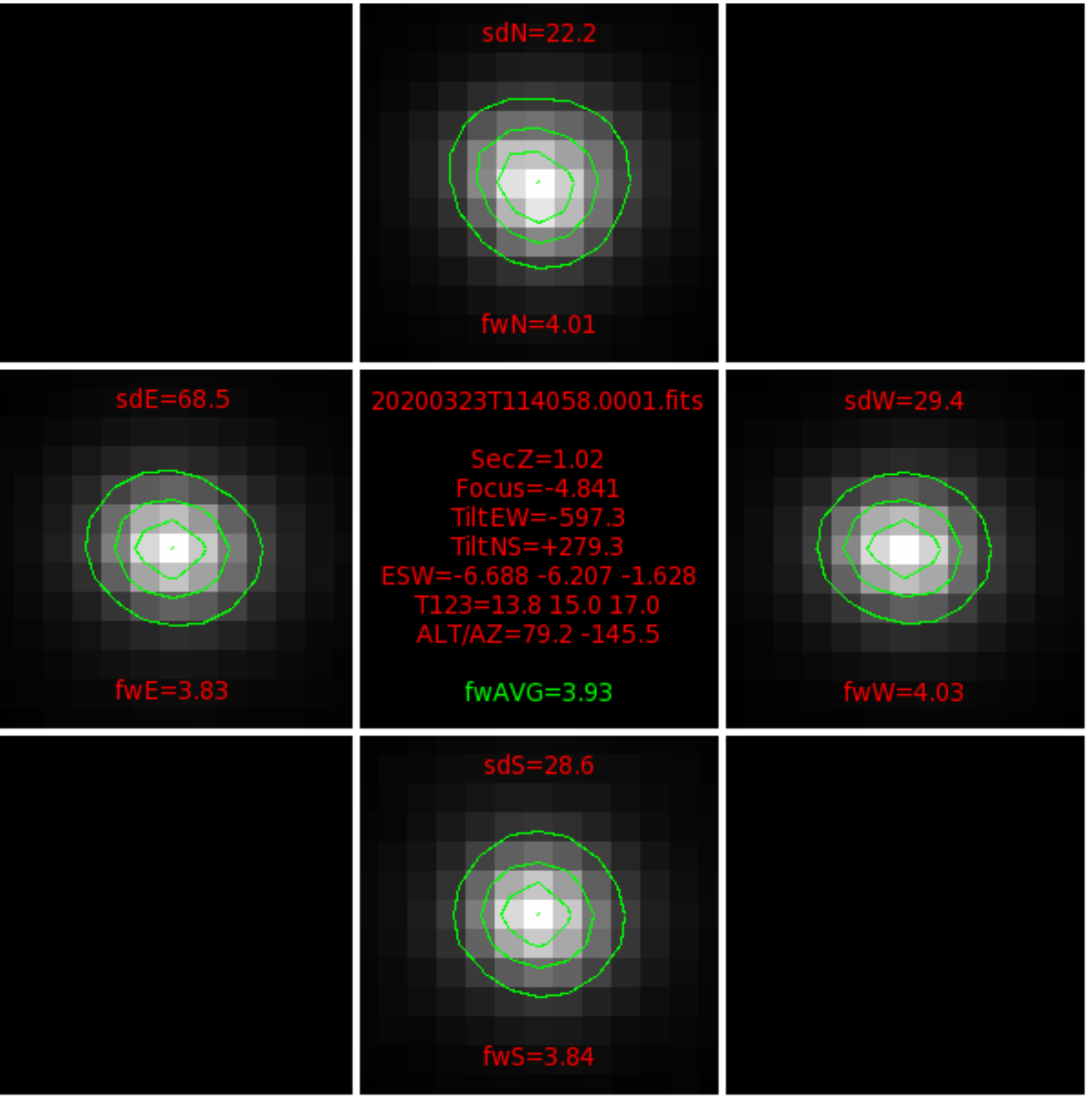
sdN=22.2
fwN=4.01
sdE=68.5
20200323T114058.0001.fits
SecZ=1.02
Focus=-4.841
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.688 -6.207 -1.628
T123=13.8 15.0 17.0
ALT/AZ=79.2 -145.5
fwAVG=3.93
sdW=29.4
fwE=3.83
fwW=4.03
sdS=28.6
fwS=3.84
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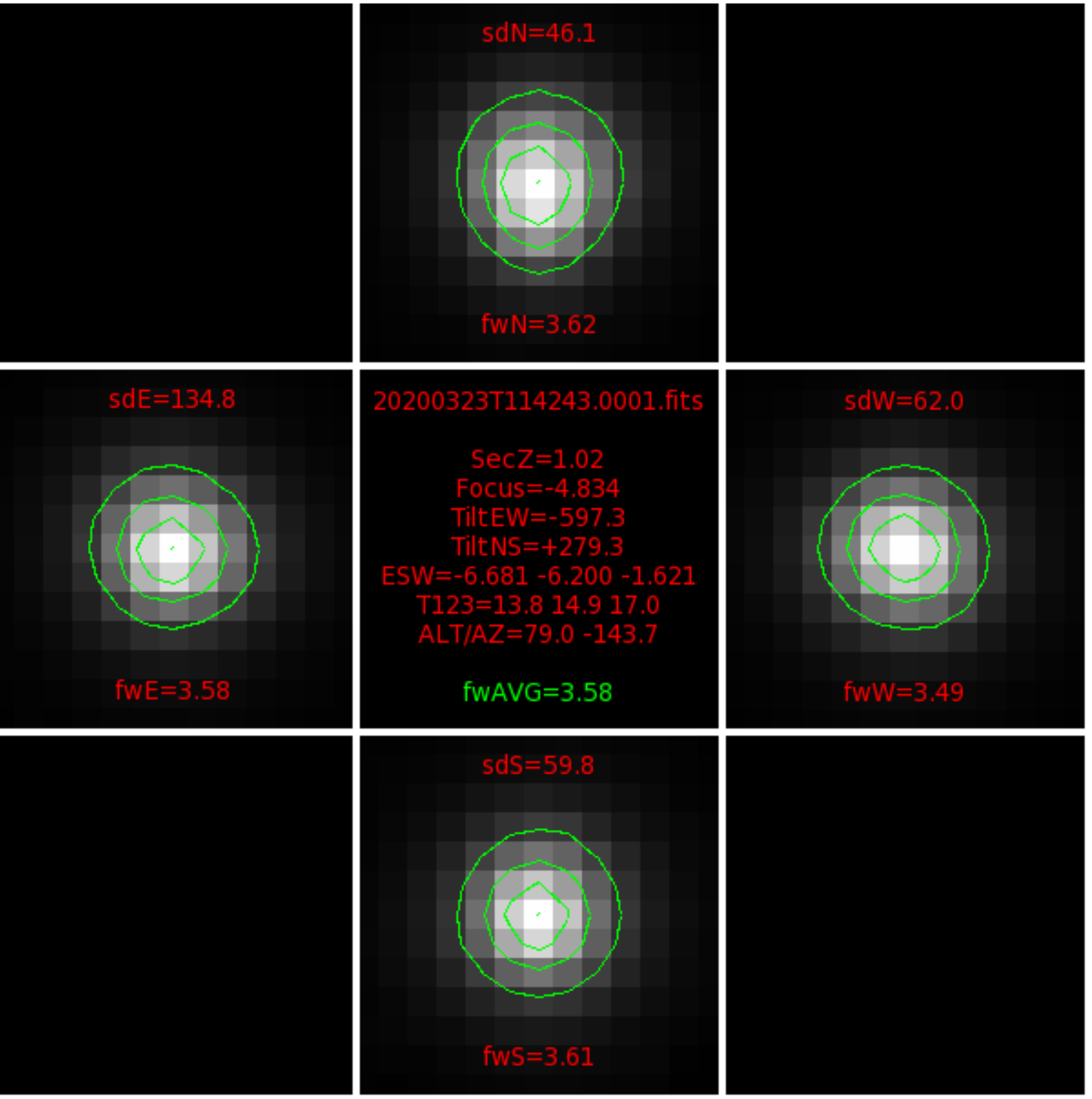
sdN=46.1
fwN=3.62
sdE=134.8
fwE=3.58
20200323T114243.0001.fits
SecZ=1.02
Focus=-4.834
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.681 -6.200 -1.621
T123=13.8 14.9 17.0
ALT/AZ=79.0 -143.7
fwAVG=3.58
sdW=62.0
fwW=3.49
sdS=59.8
fwS=3.61
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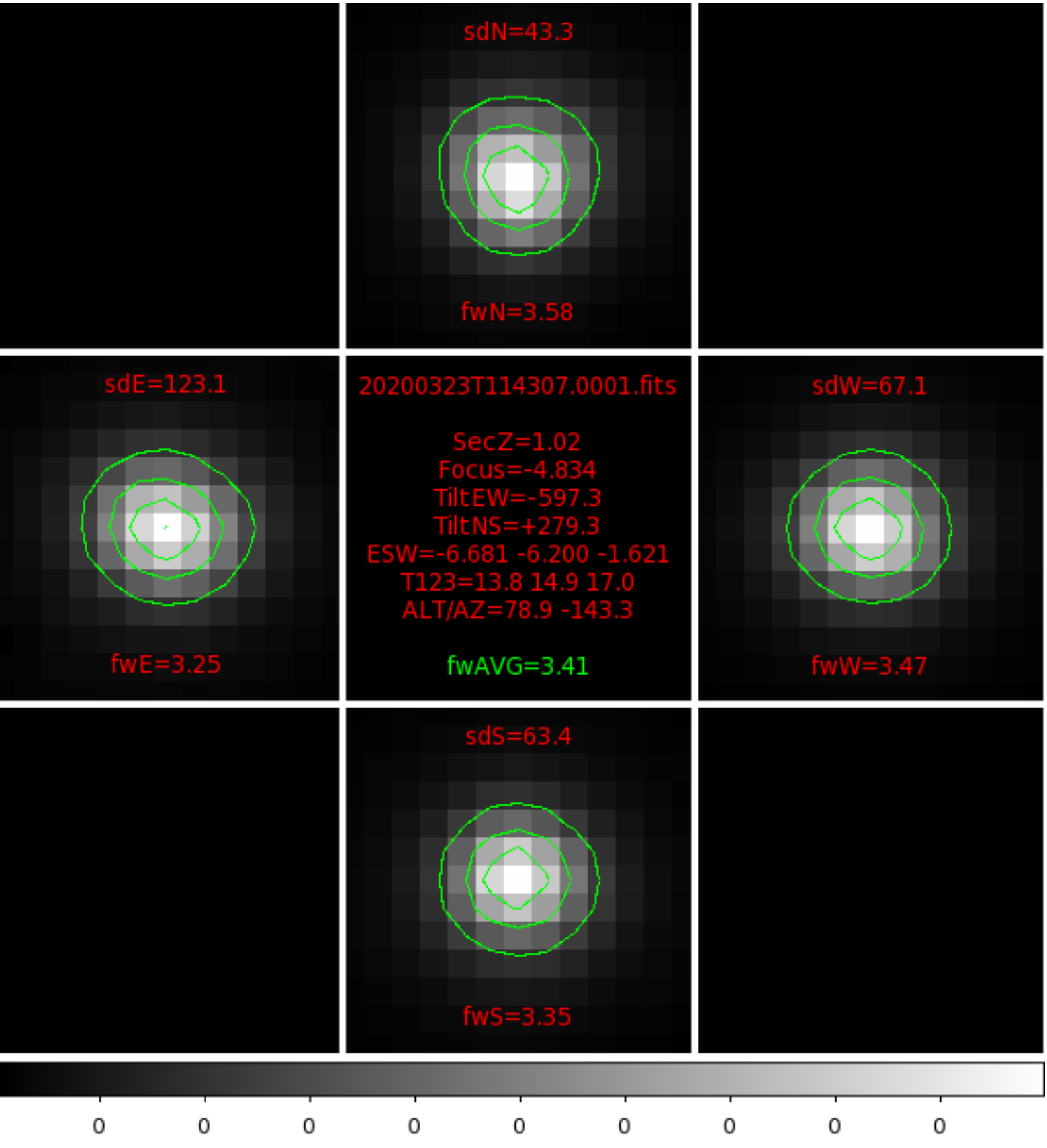
sdN=43.3
fwN=3.58
sdE=123.1
fwE=3.25
20200323T114307.0001.fits
SecZ=1.02
Focus=-4.834
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.681 -6.200 -1.621
T123=13.8 14.9 17.0
ALT/AZ=78.9 -143.3
fwAVG=3.41
sdW=67.1
fwW=3.47
sdS=63.4
fwS=3.35
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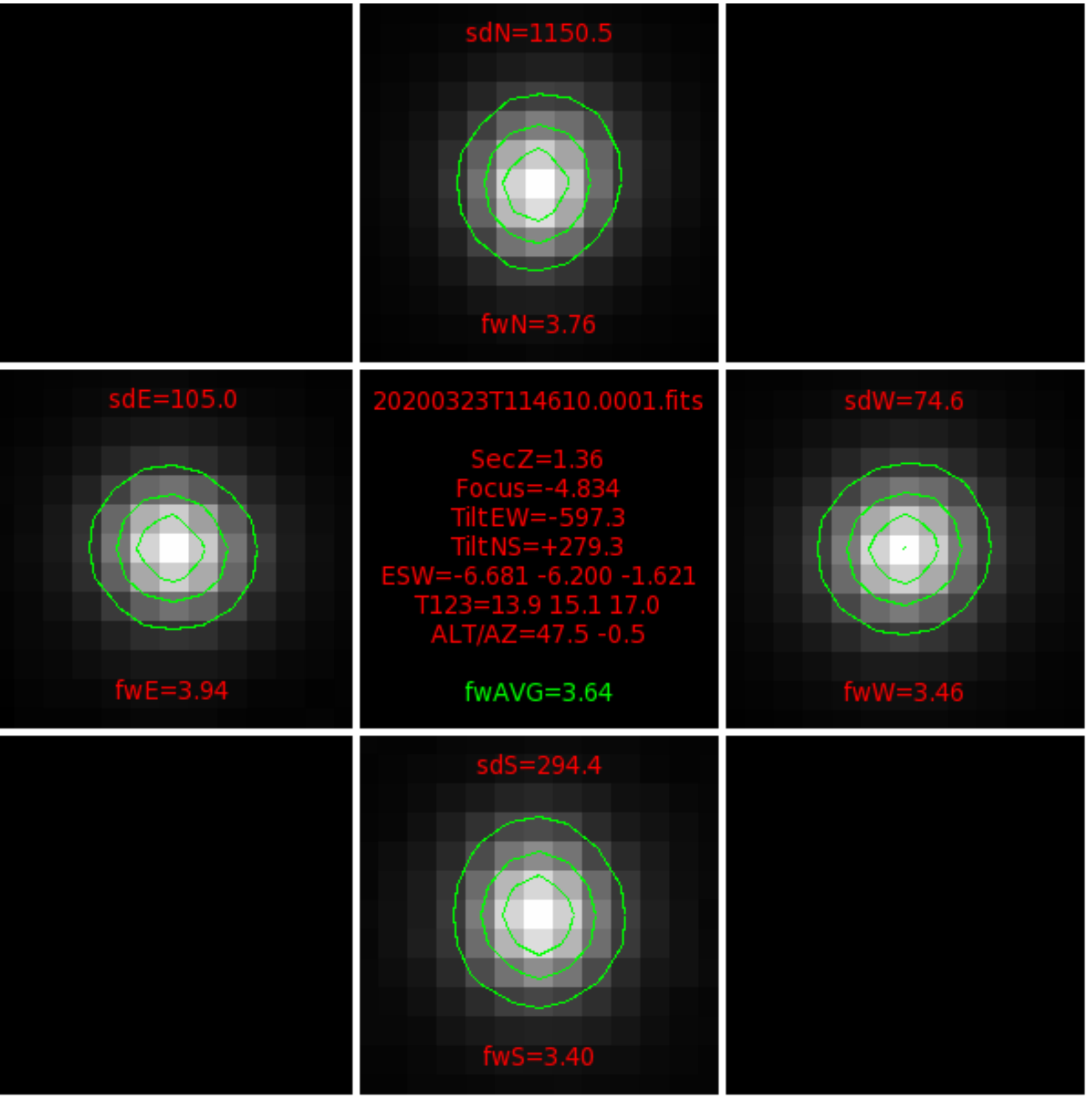
sdN=1150.5
fwN=3.76
sdE=105.0
fwE=3.94
20200323T114610.0001.fits
SecZ=1.36
Focus=-4.834
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.681 -6.200 -1.621
T123=13.9 15.1 17.0
ALT/AZ=47.5 -0.5
fwAVG=3.64
sdW=74.6
fwW=3.46
sdS=294.4
fwS=3.40
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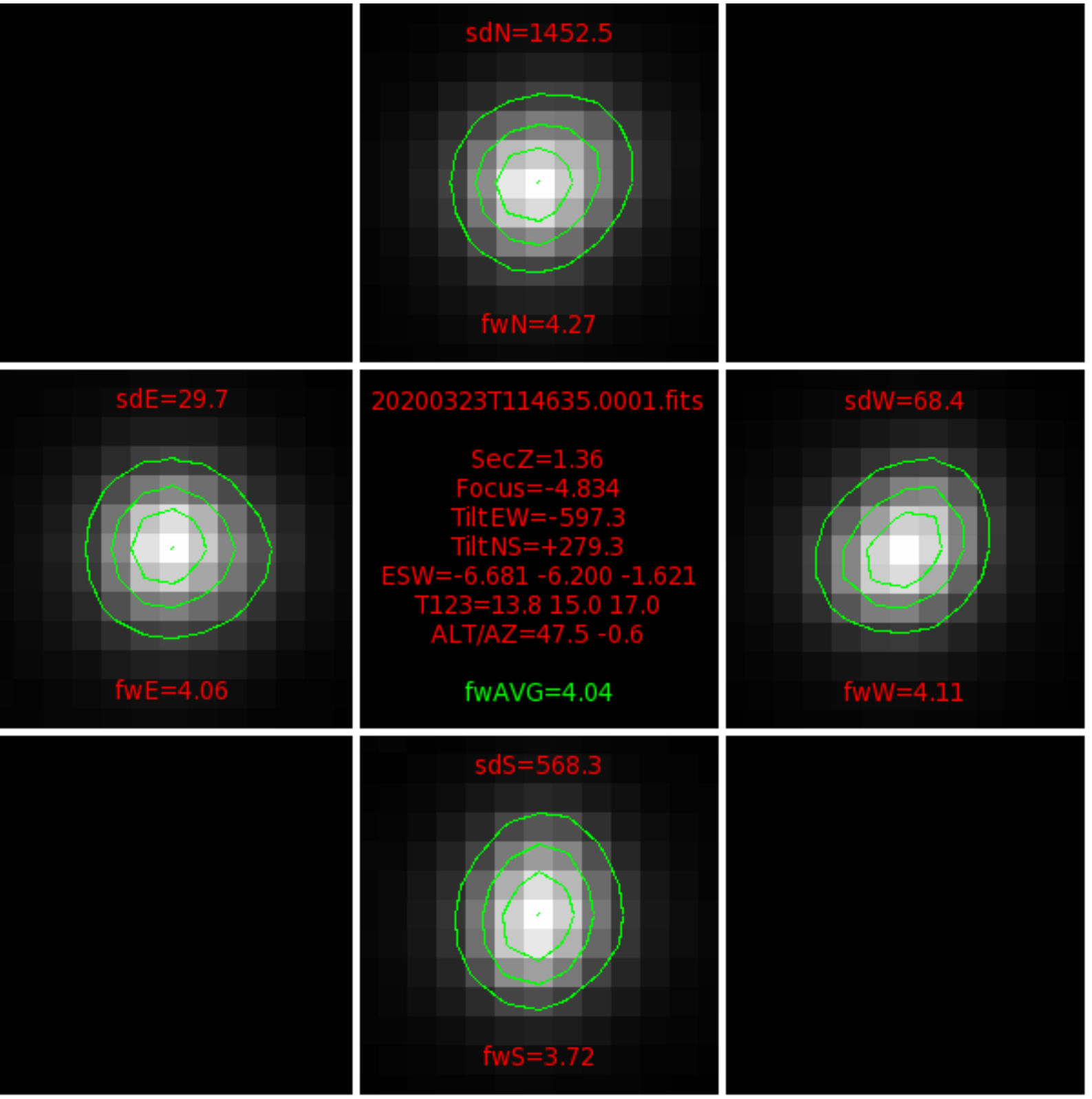
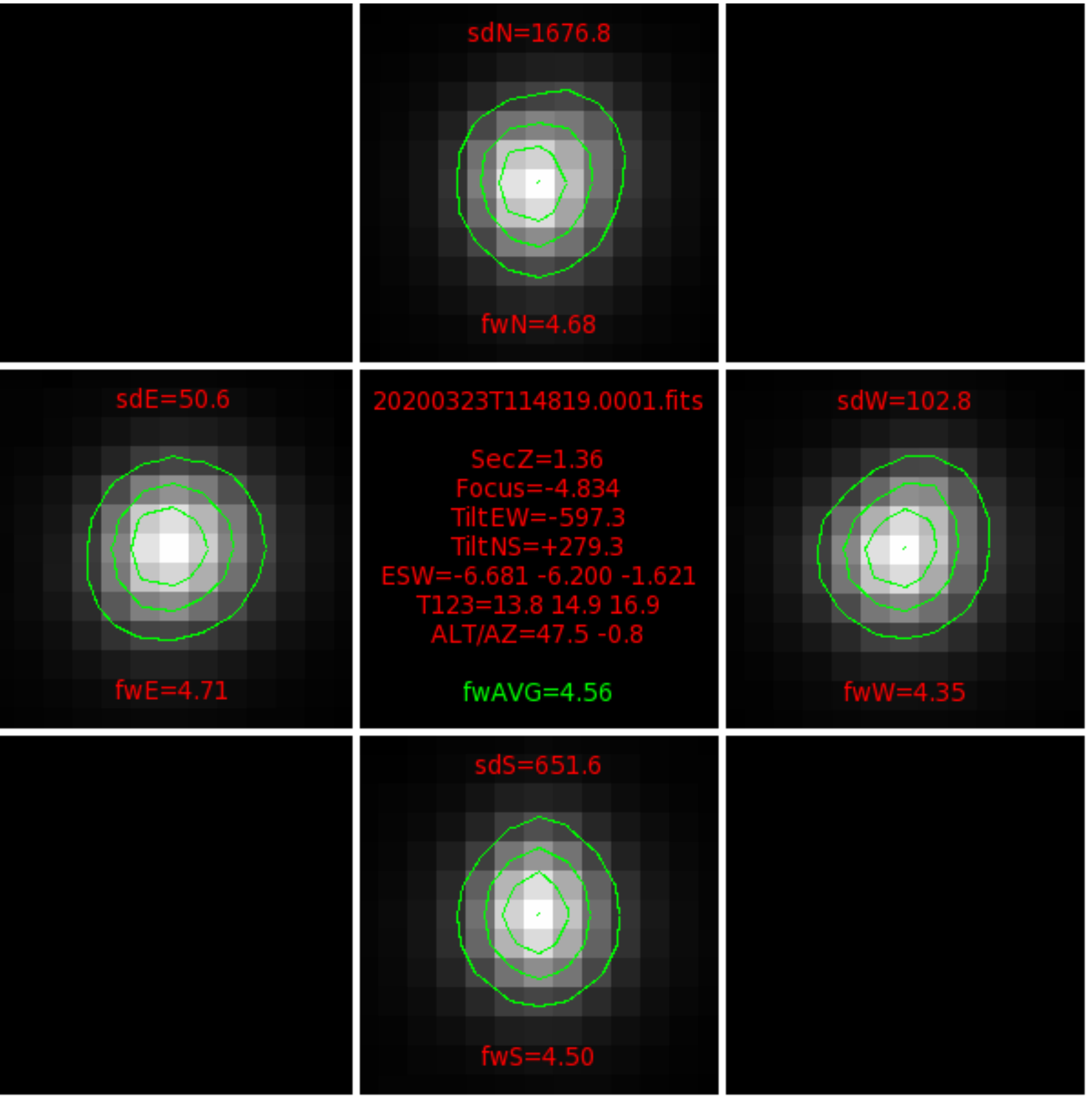

sdN=1452.5
fwN=4.27
sdE=29.7
fwE=4.06
20200323T114635.0001.fits
SecZ=1.36
Focus=-4.834
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.681 -6.200 -1.621
T123=13.8 15.0 17.0
ALT/AZ=47.5 -0.6
fwAVG=4.04
sdW=68.4
fwW=4.11
sdS=568.3
fwS=3.72
0 0 0 0 0 0 0 0 0


sdN=1676.8
fwN=4.68
sdE=50.6
fwE=4.71
20200323T114819.0001.fits
SecZ=1.36
Focus=-4.834
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.681 -6.200 -1.621
T123=13.8 14.9 16.9
ALT/AZ=47.5 -0.8
fwAVG=4.56
sdW=102.8
fwW=4.35
sdS=651.6
fwS=4.50
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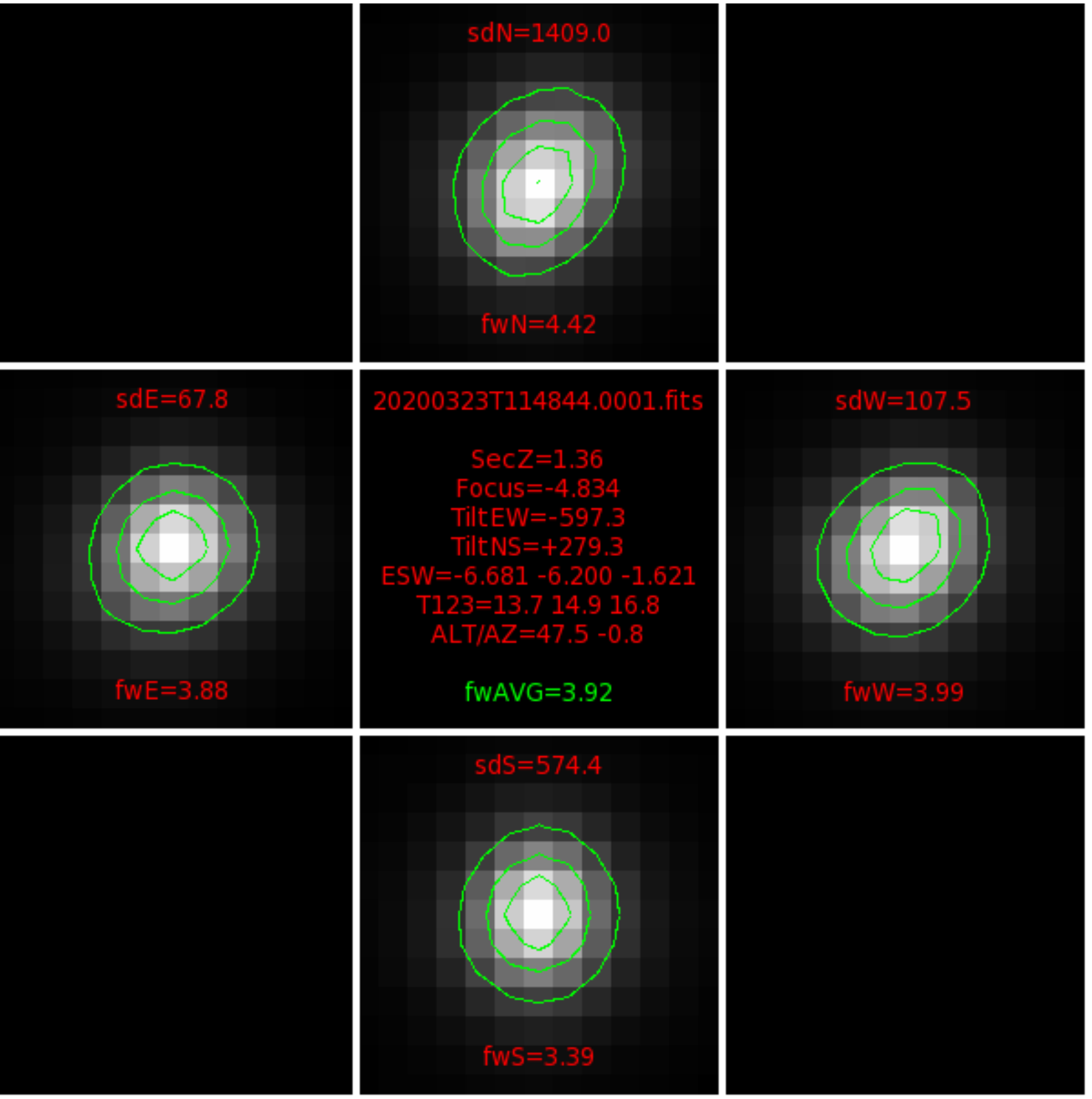
sdN=1409.0
fwN=4.42
sdE=67.8
fwE=3.88
20200323T114844.0001.fits
SecZ=1.36
Focus=-4.834
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.681 -6.200 -1.621
T123=13.7 14.9 16.8
ALT/AZ=47.5 -0.8
fwAVG=3.92
sdW=107.5
fwW=3.99
sdS=574.4
fwS=3.39
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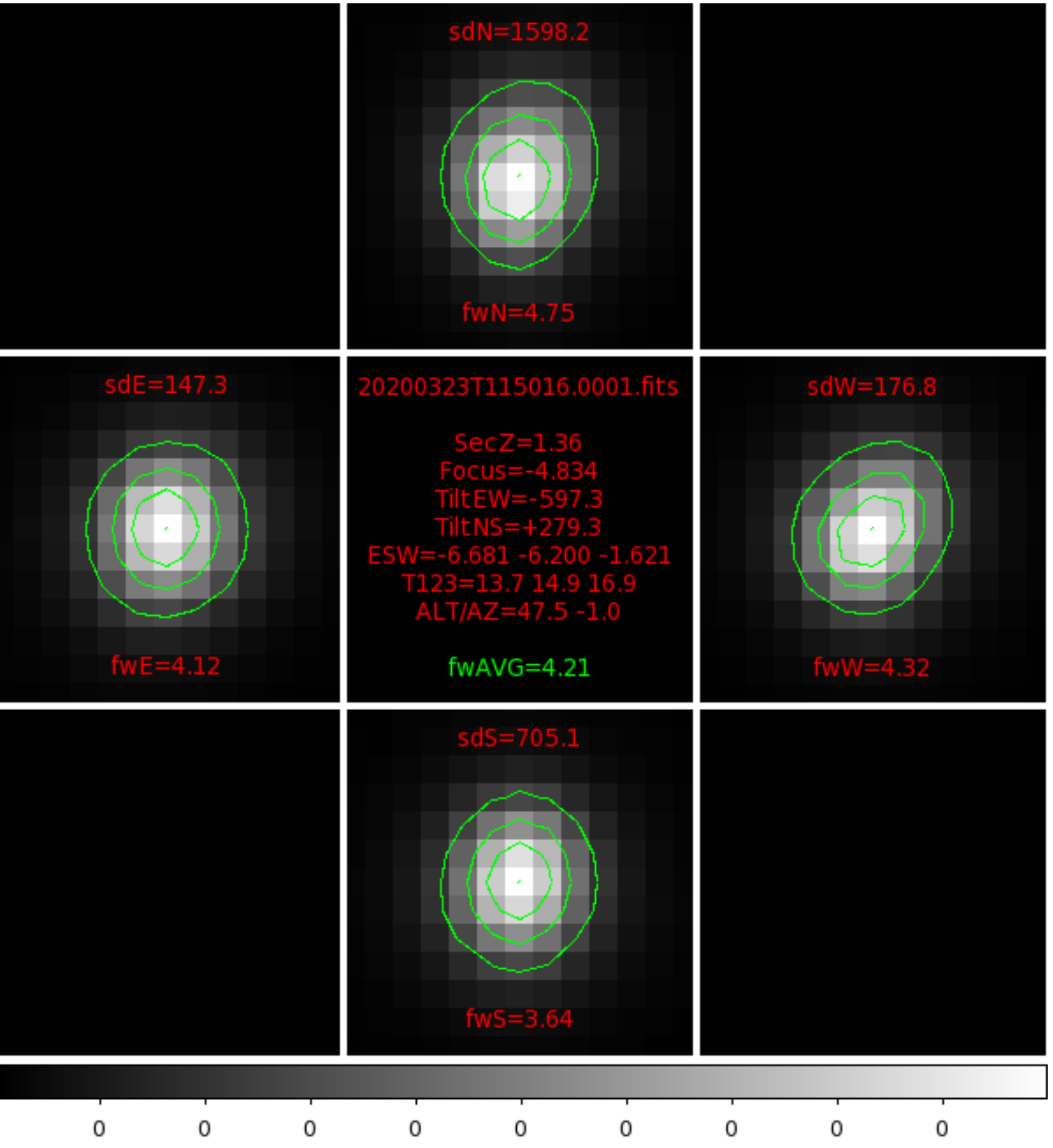
sdN=1598.2
fwN=4.75
sdE=147.3
fwE=4.12
20200323T115016.0001.fits
SecZ=1.36
Focus=-4.834
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.681 -6.200 -1.621
T123=13.7 14.9 16.9
ALT/AZ=47.5 -1.0
fwAVG=4.21
sdW=176.8
fwW=4.32
sdS=705.1
fwS=3.64
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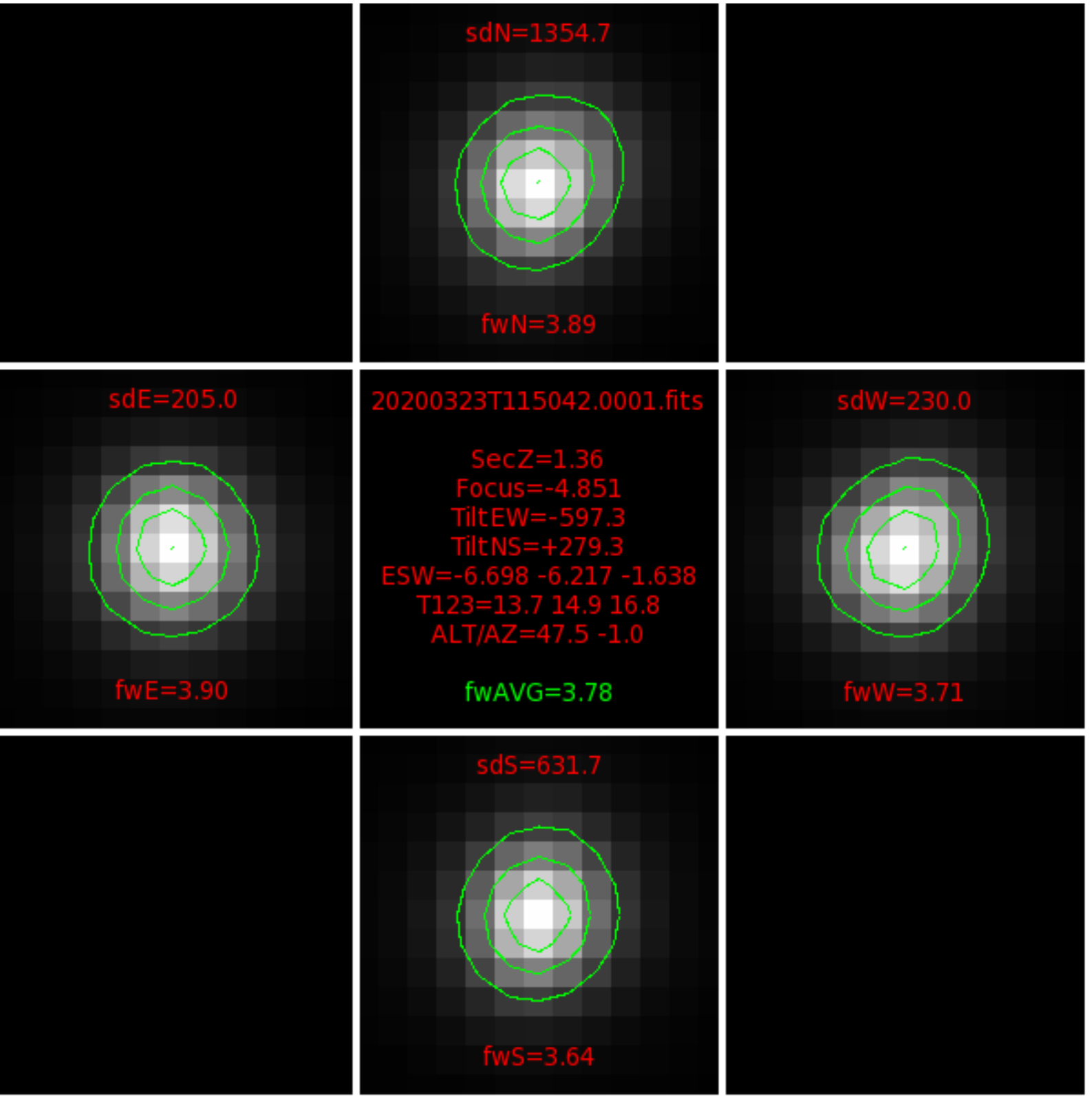
sdN=1354.7
fwN=3.89
sdE=205.0
fwE=3.90
20200323T115042.0001.fits
SecZ=1.36
Focus=-4.851
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.698 -6.217 -1.638
T123=13.7 14.9 16.8
ALT/AZ=47.5 -1.0
fwAVG=3.78
sdW=230.0
fwW=3.71
sdS=631.7
fwS=3.64
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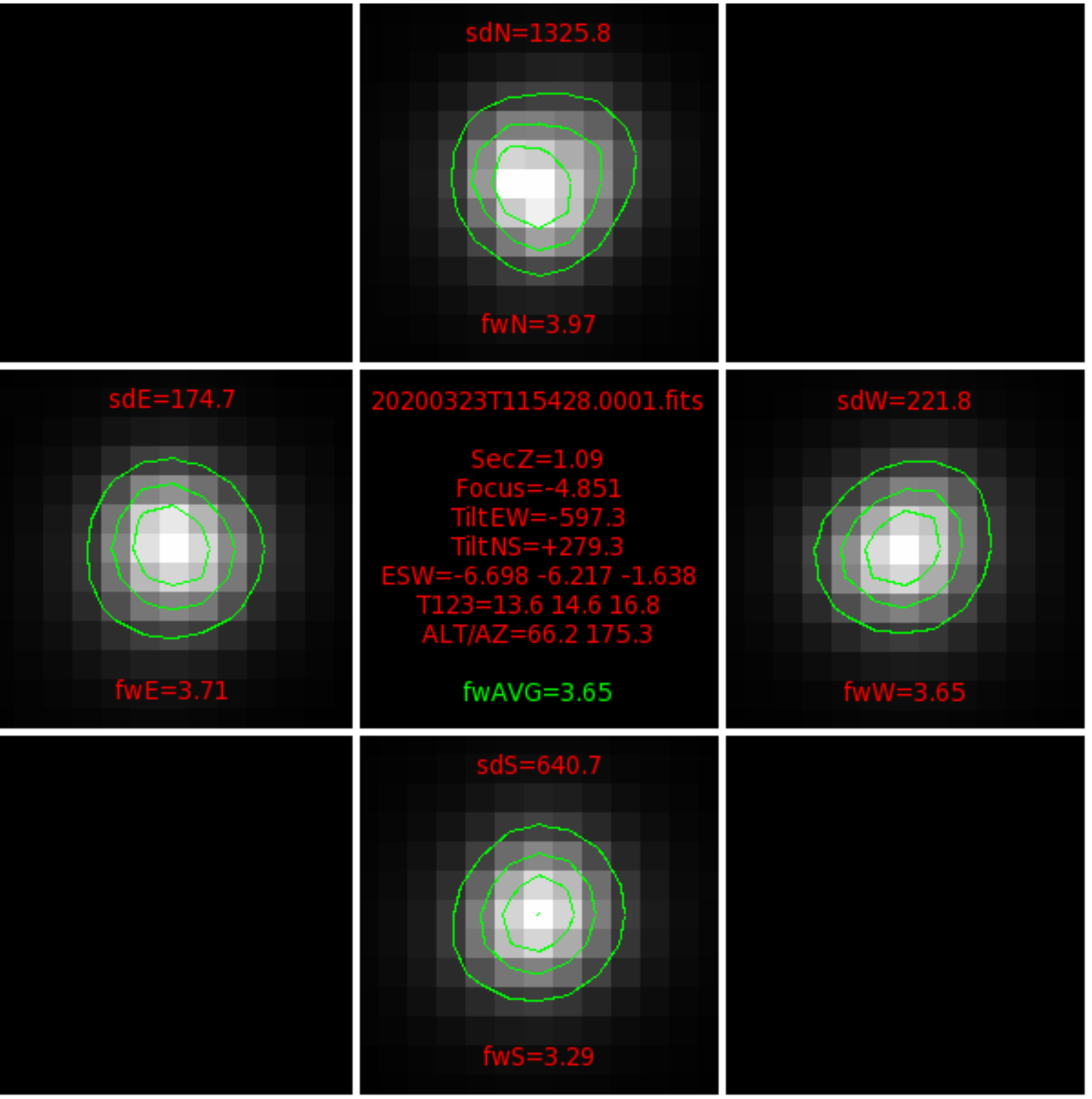
sdN=1325.8
fwN=3.97
sdE=174.7
fwE=3.71
20200323T115428.0001.fits
SecZ=1.09
Focus=-4.851
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.698 -6.217 -1.638
T123=13.6 14.6 16.8
ALT/AZ=66.2 175.3
fwAVG=3.65
sdW=221.8
fwW=3.65
sdS=640.7
fwS=3.29
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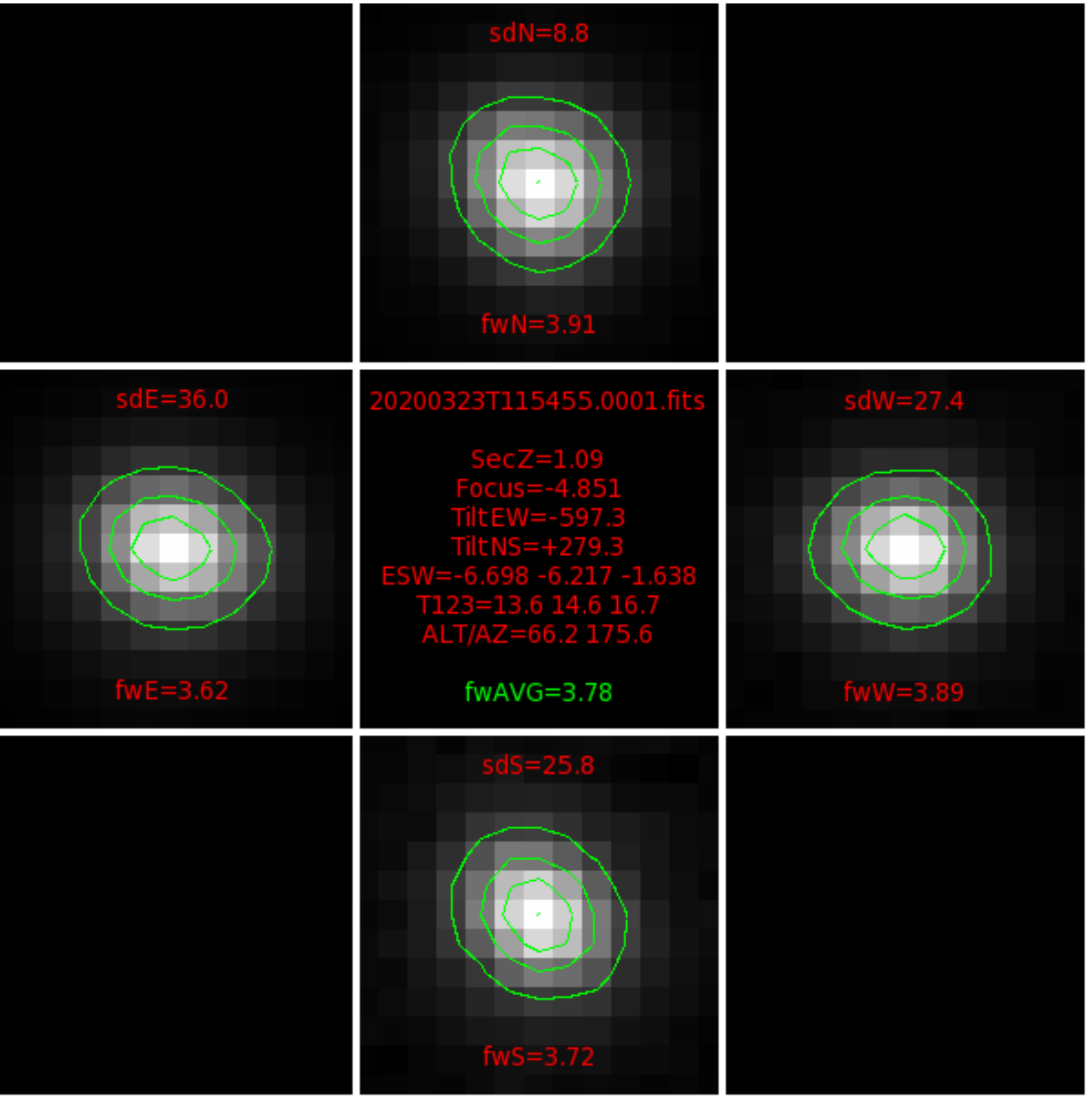
sdN=8.8
fwN=3.91
sdE=36.0
fwE=3.62
20200323T115455.0001.fits
SecZ=1.09
Focus=-4.851
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.698 -6.217 -1.638
T123=13.6 14.6 16.7
ALT/AZ=66.2 175.6
fwAVG=3.78
sdW=27.4
fwW=3.89
sdS=25.8
fwS=3.72
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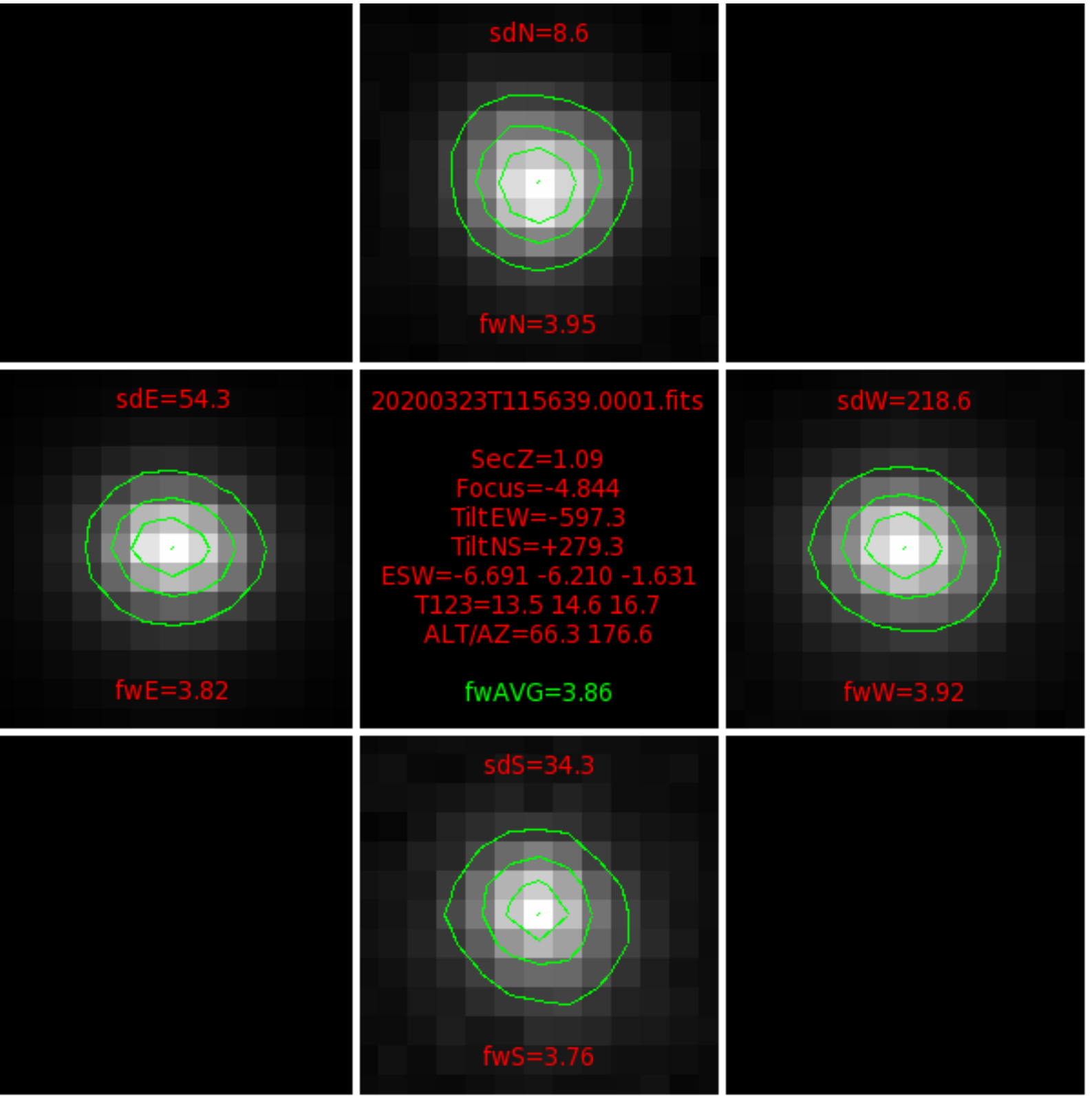
sdN=8.6
fwN=3.95
sdE=54.3
fwE=3.82
20200323T115639.0001.fits
SecZ=1.09
Focus=-4.844
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.691 -6.210 -1.631
T123=13.5 14.6 16.7
ALT/AZ=66.3 176.6
fwAVG=3.86
sdW=218.6
fwW=3.92
sdS=34.3
fwS=3.76
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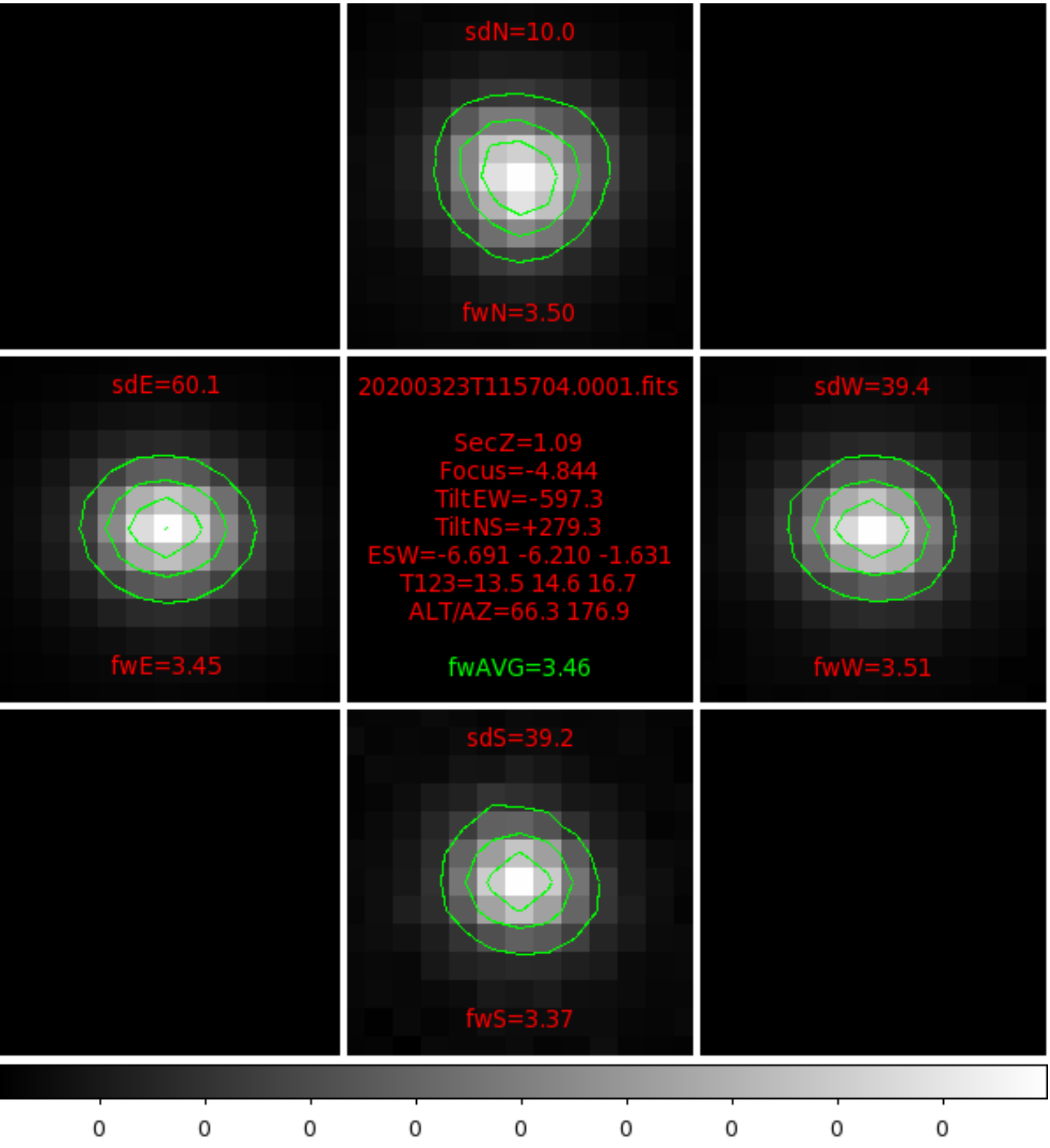
sdN=10.0
fwN=3.50
sdE=60.1
fwE=3.45
20200323T115704.0001.fits
SecZ=1.09
Focus=-4.844
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.691 -6.210 -1.631
T123=13.5 14.6 16.7
ALT/AZ=66.3 176.9
fwAVG=3.46
sdW=39.4
fwW=3.51
sdS=39.2
fwS=3.37
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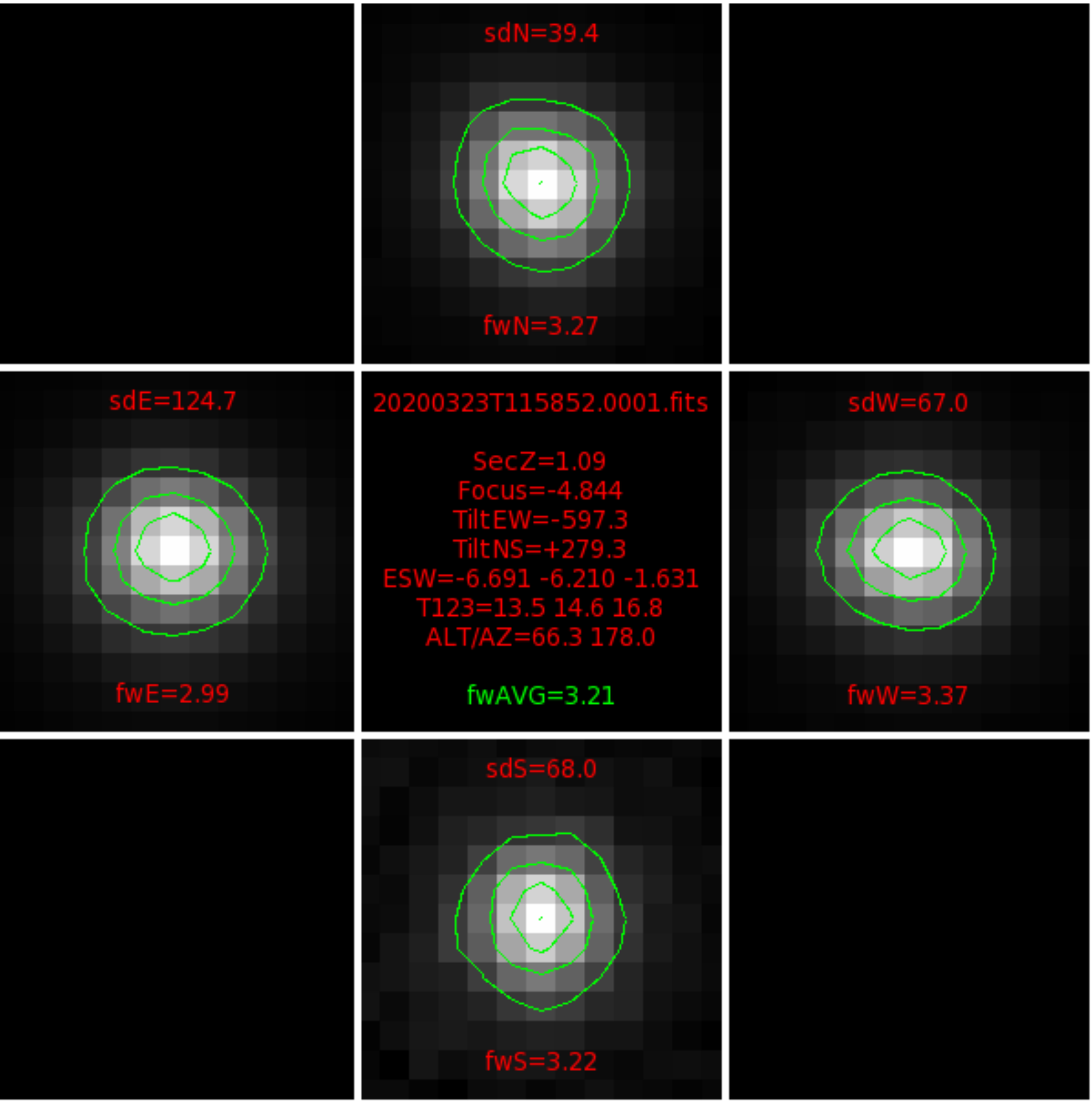
sdN=39.4
fwN=3.27
sdE=124.7
fwE=2.99
20200323T115852.0001.fits
SecZ=1.09
Focus=-4.844
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.691 -6.210 -1.631
T123=13.5 14.6 16.8
ALT/AZ=66.3 178.0
fwAVG=3.21
sdW=67.0
fwW=3.37
sdS=68.0
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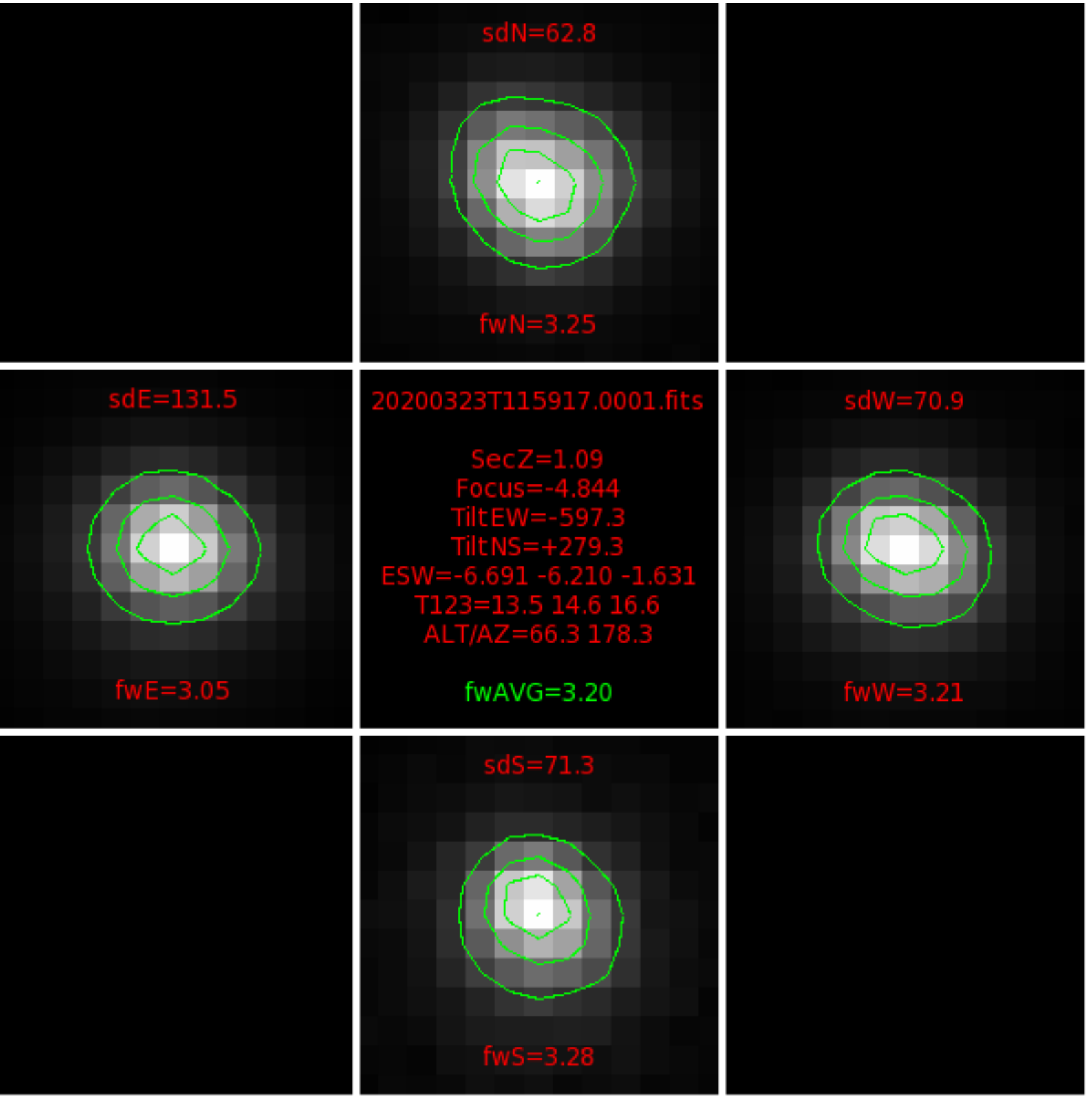
sdN=62.8
fwN=3.25
sdE=131.5
fwE=3.05
20200323T115917.0001.fits
SecZ=1.09
Focus=-4.844
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.691 -6.210 -1.631
T123=13.5 14.6 16.6
ALT/AZ=66.3 178.3
fwAVG=3.20
sdW=70.9
fwW=3.21
sdS=71.3
fwS=3.28
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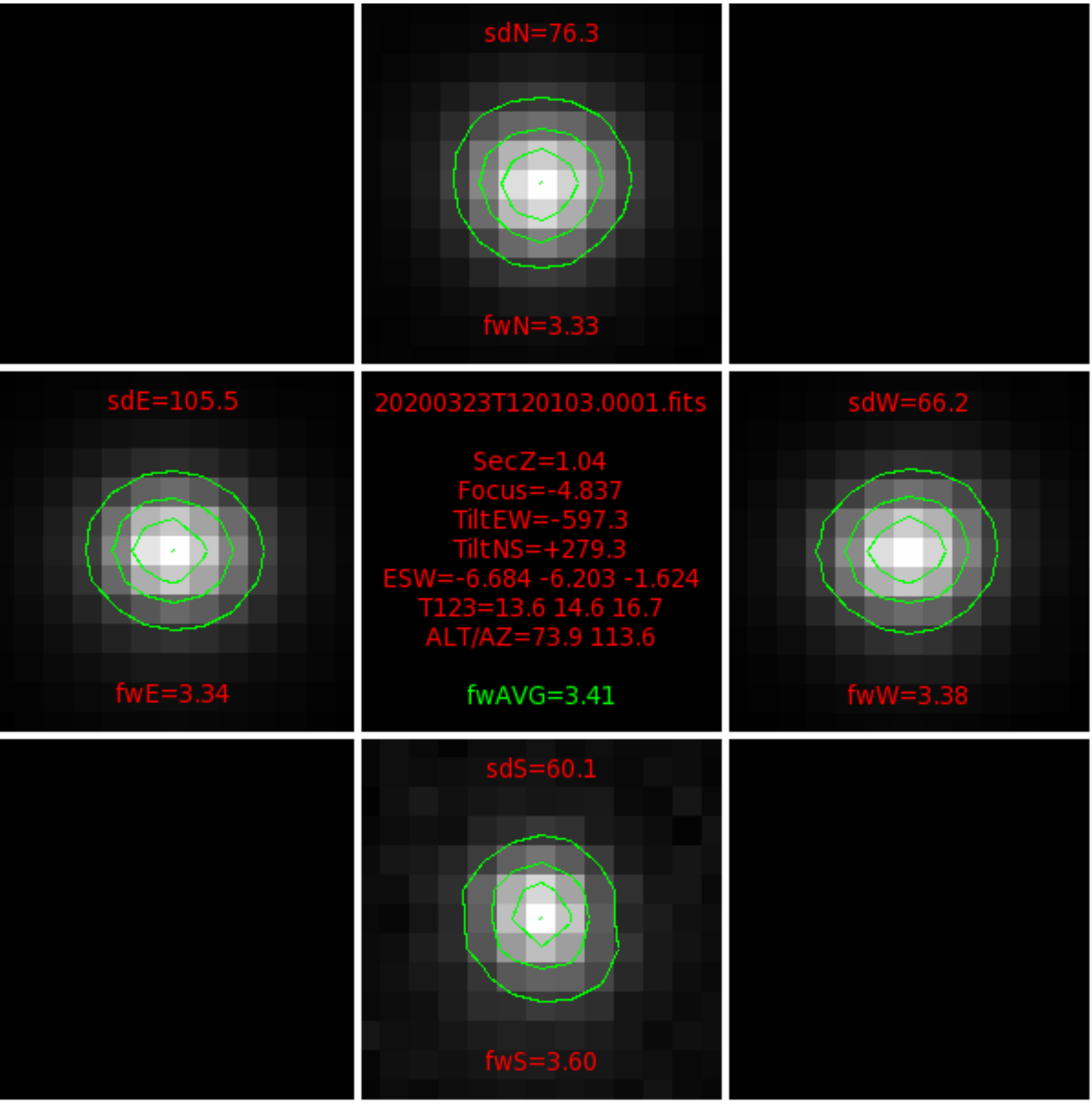
sdN=76.3
fwN=3.33
sdE=105.5
fwE=3.34
20200323T120103.0001.fits
SecZ=1.04
Focus=-4.837
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.684 -6.203 -1.624
T123=13.6 14.6 16.7
ALT/AZ=73.9 113.6
fwAVG=3.41
sdW=66.2
fwW=3.38
sdS=60.1
fwS=3.60
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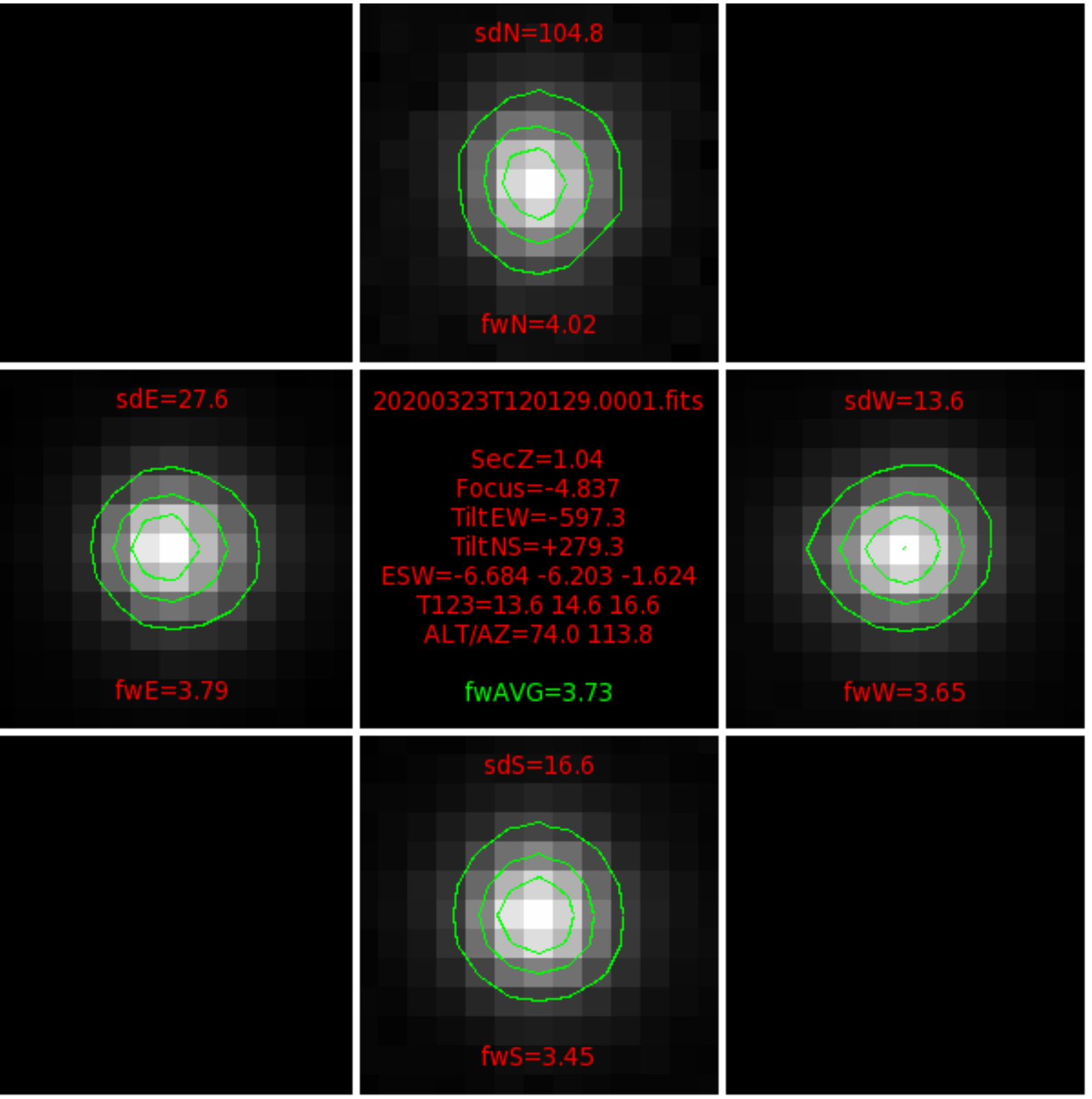
sdN=104.8
fwN=4.02
sdE=27.6
fwE=3.79
20200323T120129.0001.fits
SecZ=1.04
Focus=-4.837
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.684 -6.203 -1.624
T123=13.6 14.6 16.6
ALT/AZ=74.0 113.8
fwAVG=3.73
sdW=13.6
fwW=3.65
sdS=16.6
fwS=3.45
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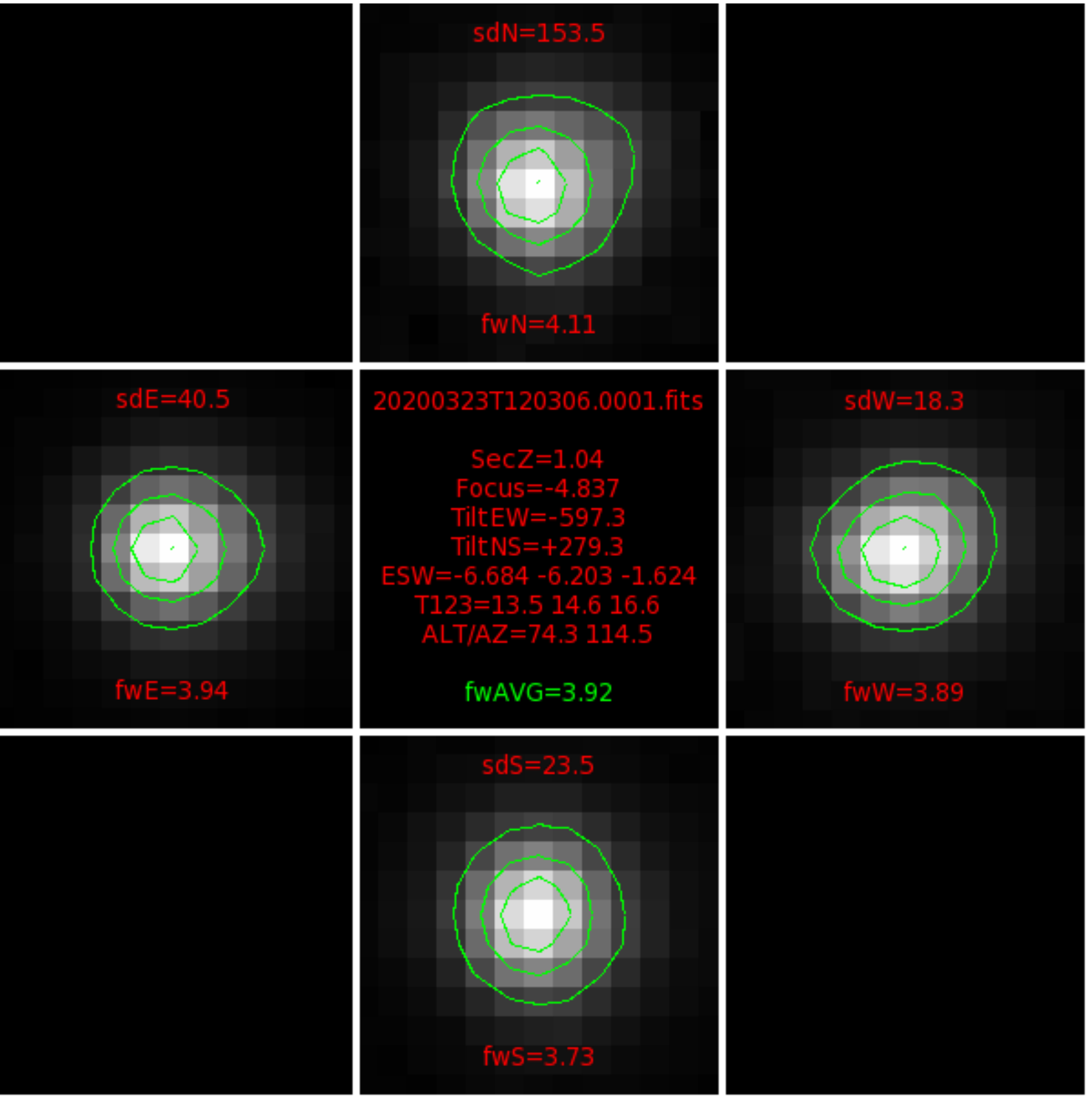
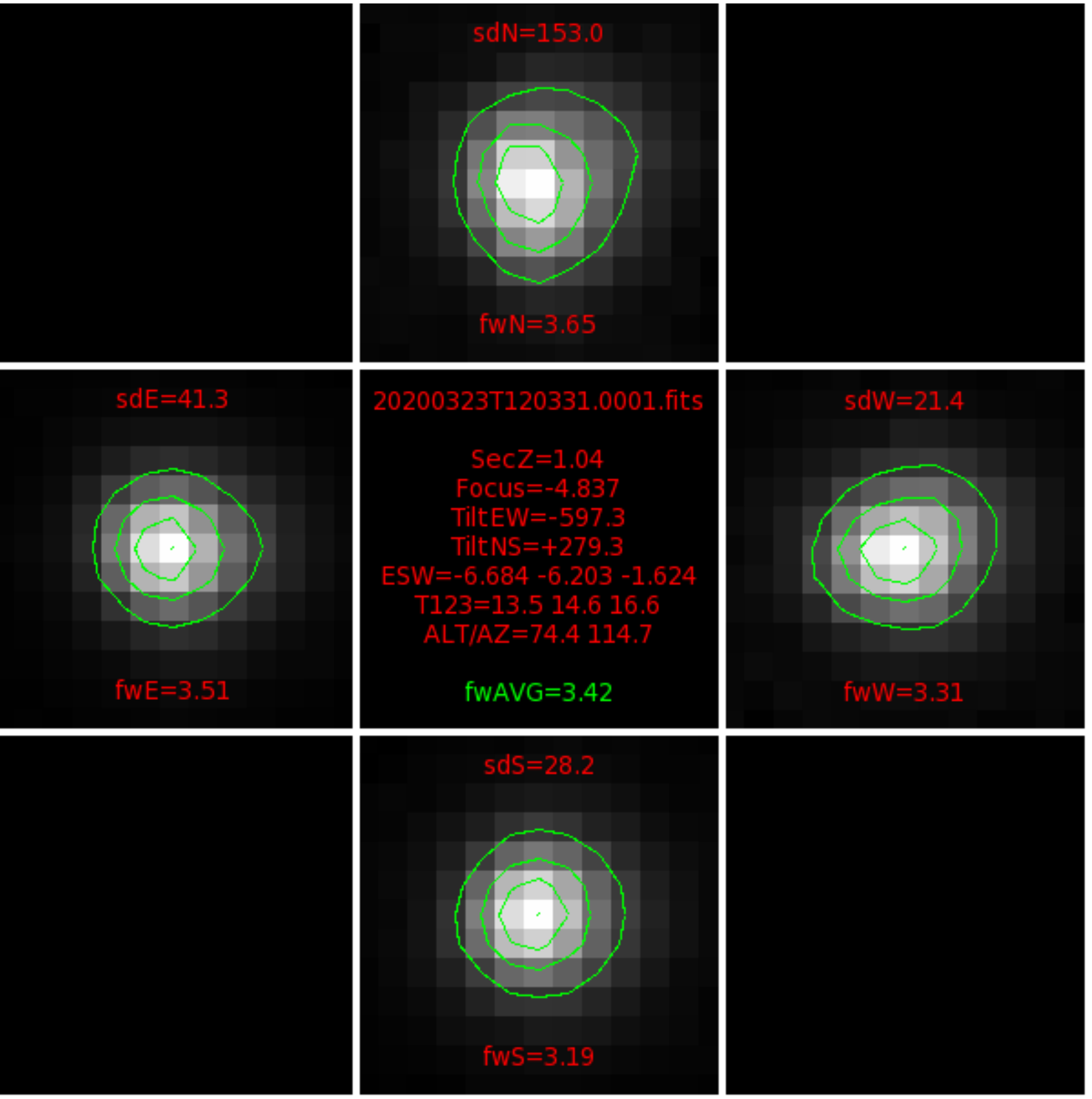

sdN=153.5
fwN=4.11
sdE=40.5
fwE=3.94
20200323T120306.0001.fits
SecZ=1.04
Focus=-4.837
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.684 -6.203 -1.624
T123=13.5 14.6 16.6
ALT/AZ=74.3 114.5
fwAVG=3.92
sdW=18.3
fwW=3.89
sdS=23.5
fwS=3.73
0 0 0 0 0 0 0 0 0


sdN=153.0
fwN=3.65
sdE=41.3
fwE=3.51
20200323T120331.0001.fits
SecZ=1.04
Focus=-4.837
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.684 -6.203 -1.624
T123=13.5 14.6 16.6
ALT/AZ=74.4 114.7
fwAVG=3.42
sdW=21.4
fwW=3.31
sdS=28.2
fwS=3.19
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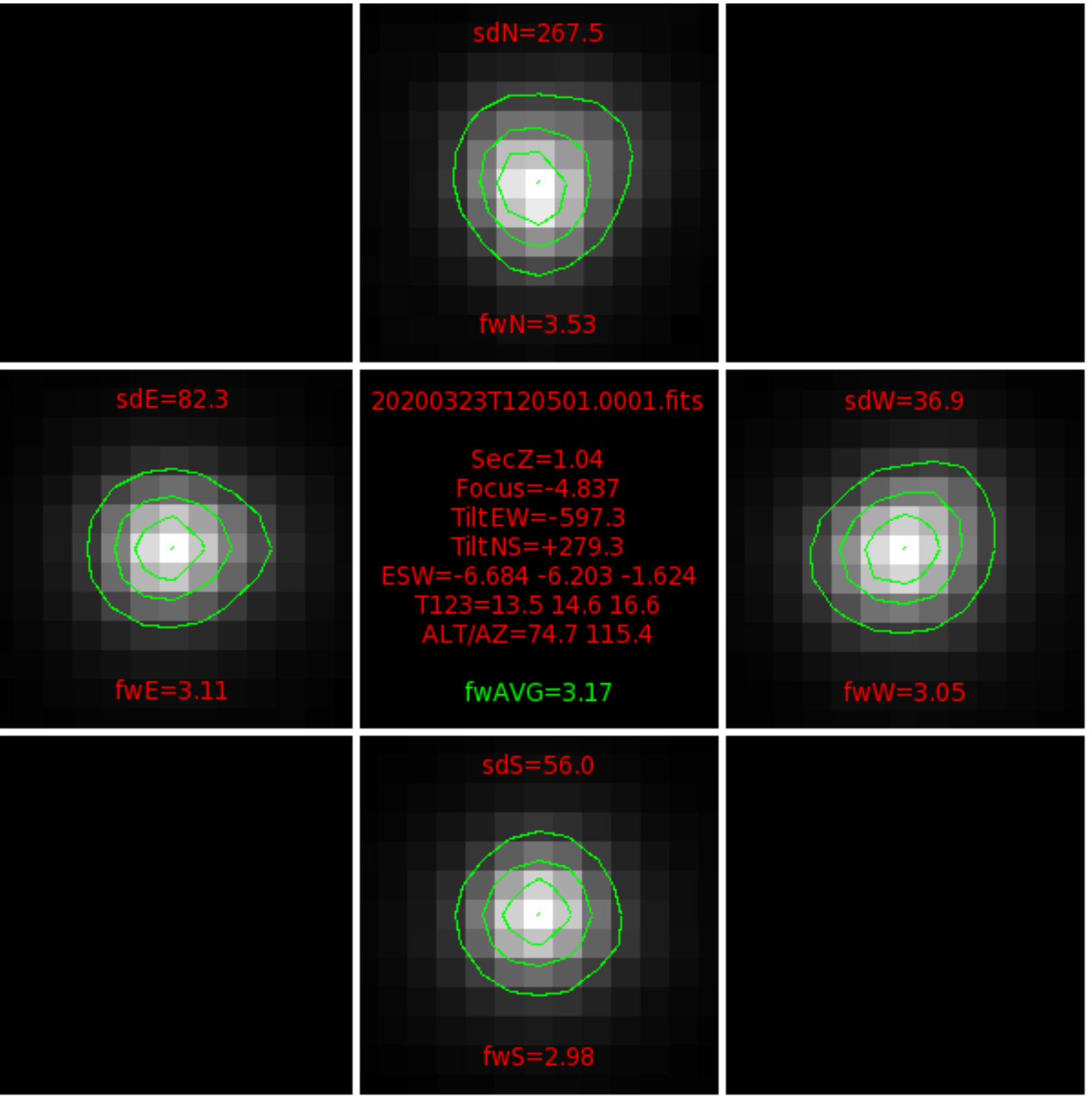
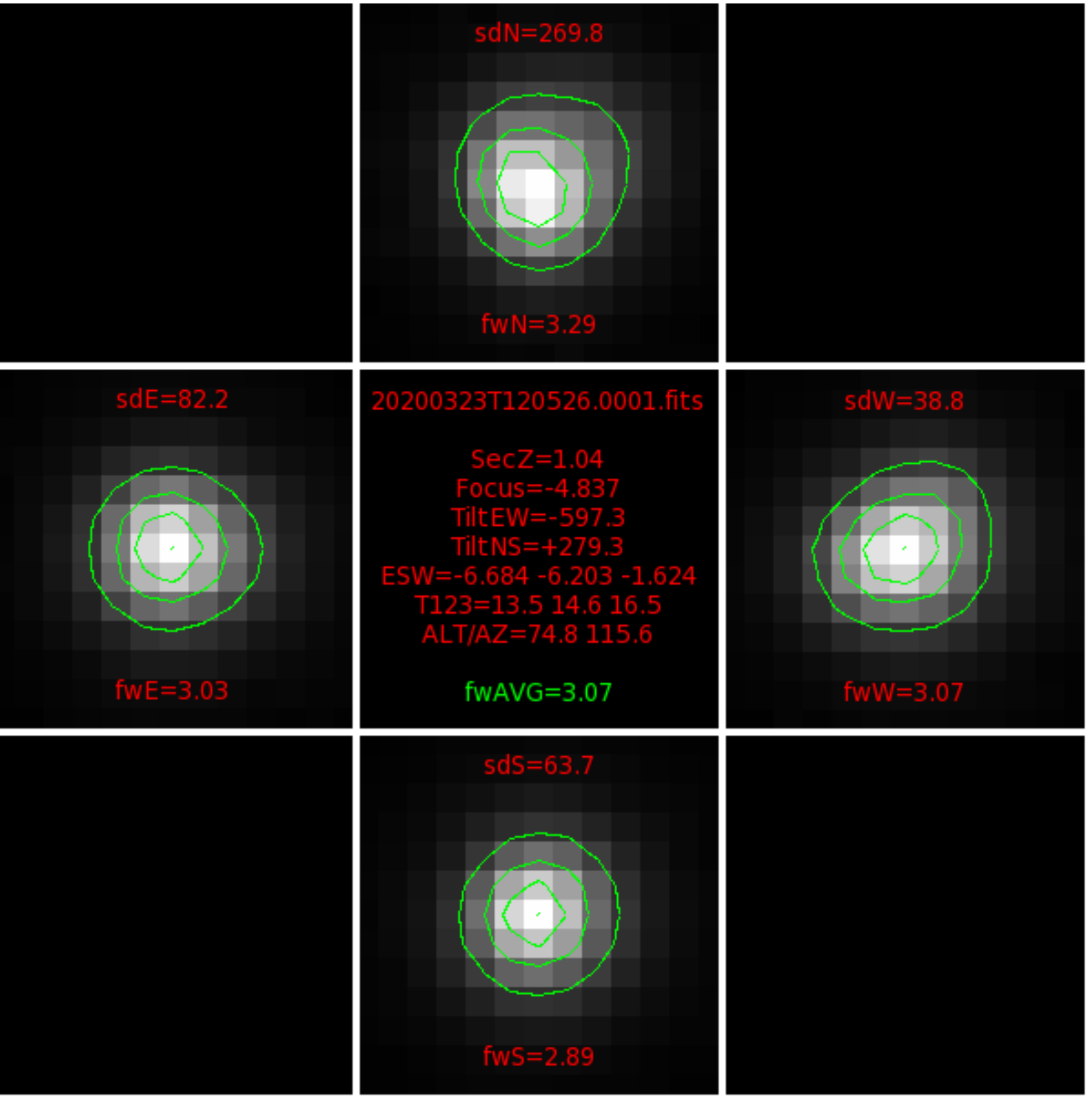

sdN=267.5
fwN=3.53
sdE=82.3
fwE=3.11
20200323T120501.0001.fits
SecZ=1.04
Focus=-4.837
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.684 -6.203 -1.624
T123=13.5 14.6 16.6
ALT/AZ=74.7 115.4
fwAVG=3.17
sdW=36.9
fwW=3.05
sdS=56.0
fwS=2.98
0 0 0 0 0 0 0 0 0


sdN=269.8
fwN=3.29
sdE=82.2
fwE=3.03
20200323T120526.0001.fits
SecZ=1.04
Focus=-4.837
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.684 -6.203 -1.624
T123=13.5 14.6 16.5
ALT/AZ=74.8 115.6
fwAVG=3.07
sdW=38.8
fwW=3.07
sdS=63.7
fwS=2.89
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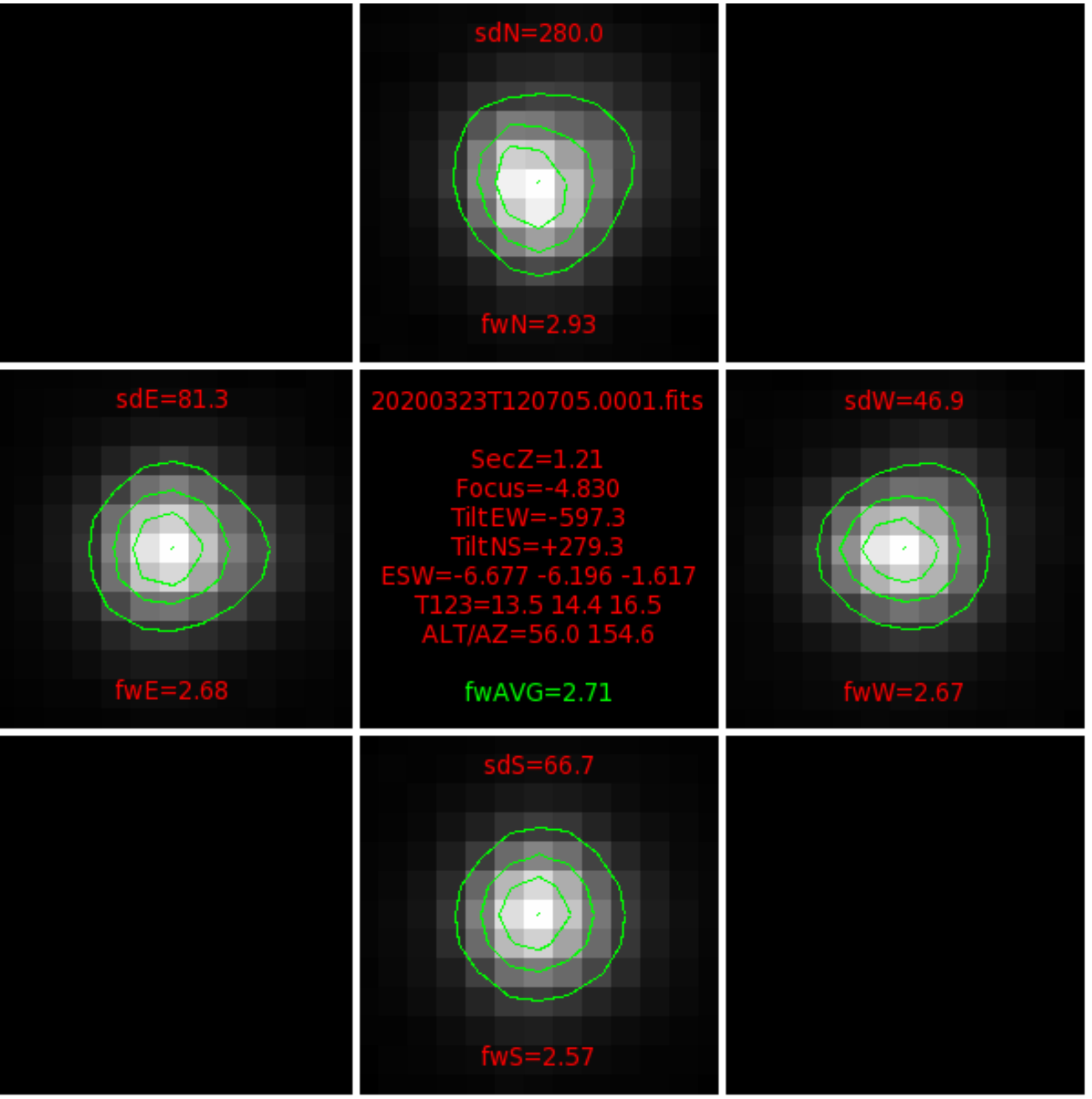
sdN=280.0
fwN=2.93
sdE=81.3
fwE=2.68
20200323T120705.0001.fits
SecZ=1.21
Focus=-4.830
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.677 -6.196 -1.617
T123=13.5 14.4 16.5
ALT/AZ=56.0 154.6
fwAVG=2.71
sdW=46.9
fwW=2.67
sdS=66.7
fwS=2.57
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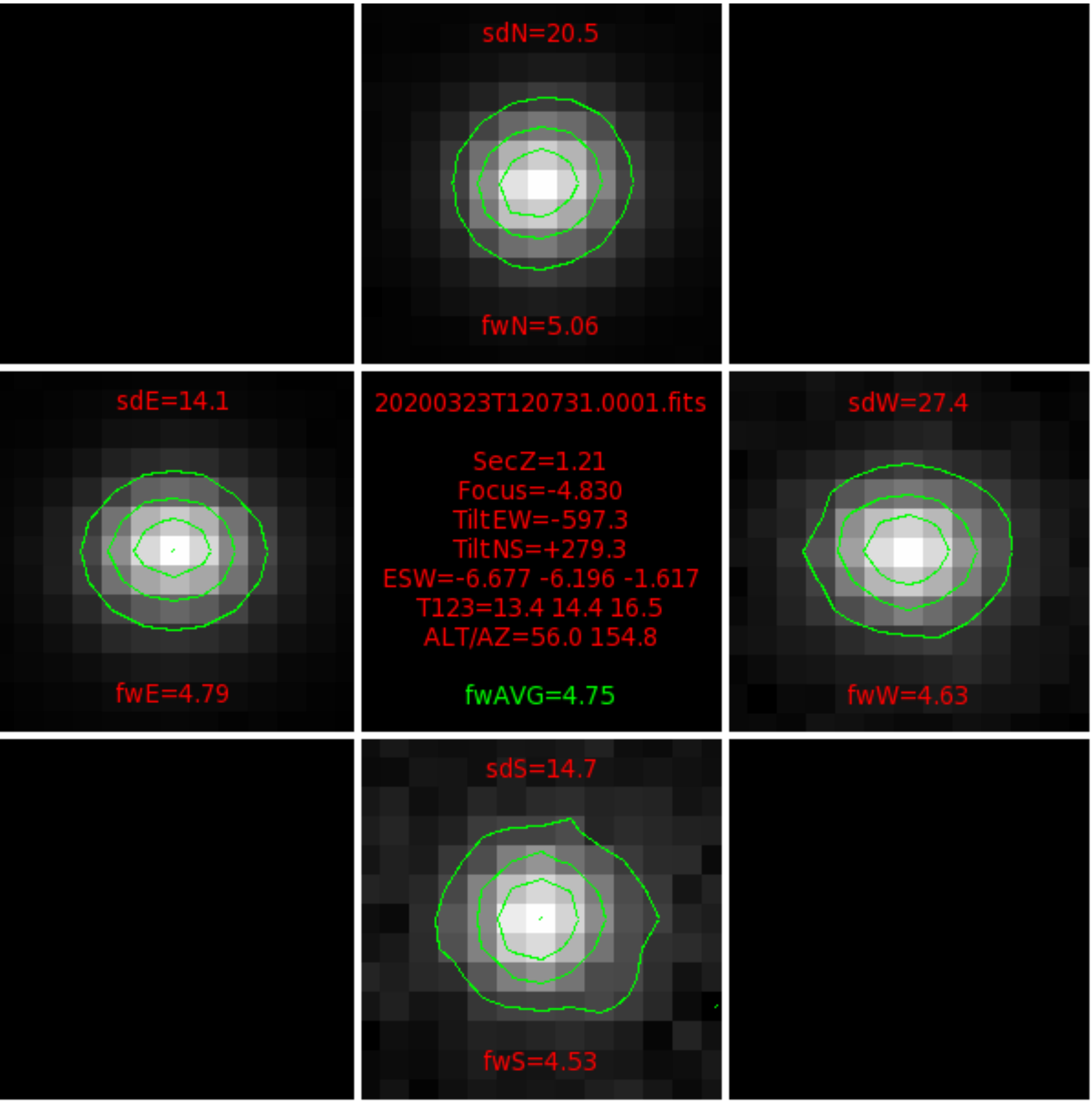
sdN=20.5
fwN=5.06
sdE=14.1
fwE=4.79
20200323T120731.0001.fits
SecZ=1.21
Focus=-4.830
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.677 -6.196 -1.617
T123=13.4 14.4 16.5
ALT/AZ=56.0 154.8
fwAVG=4.75
sdW=27.4
fwW=4.63
sdS=14.7
fwS=4.53
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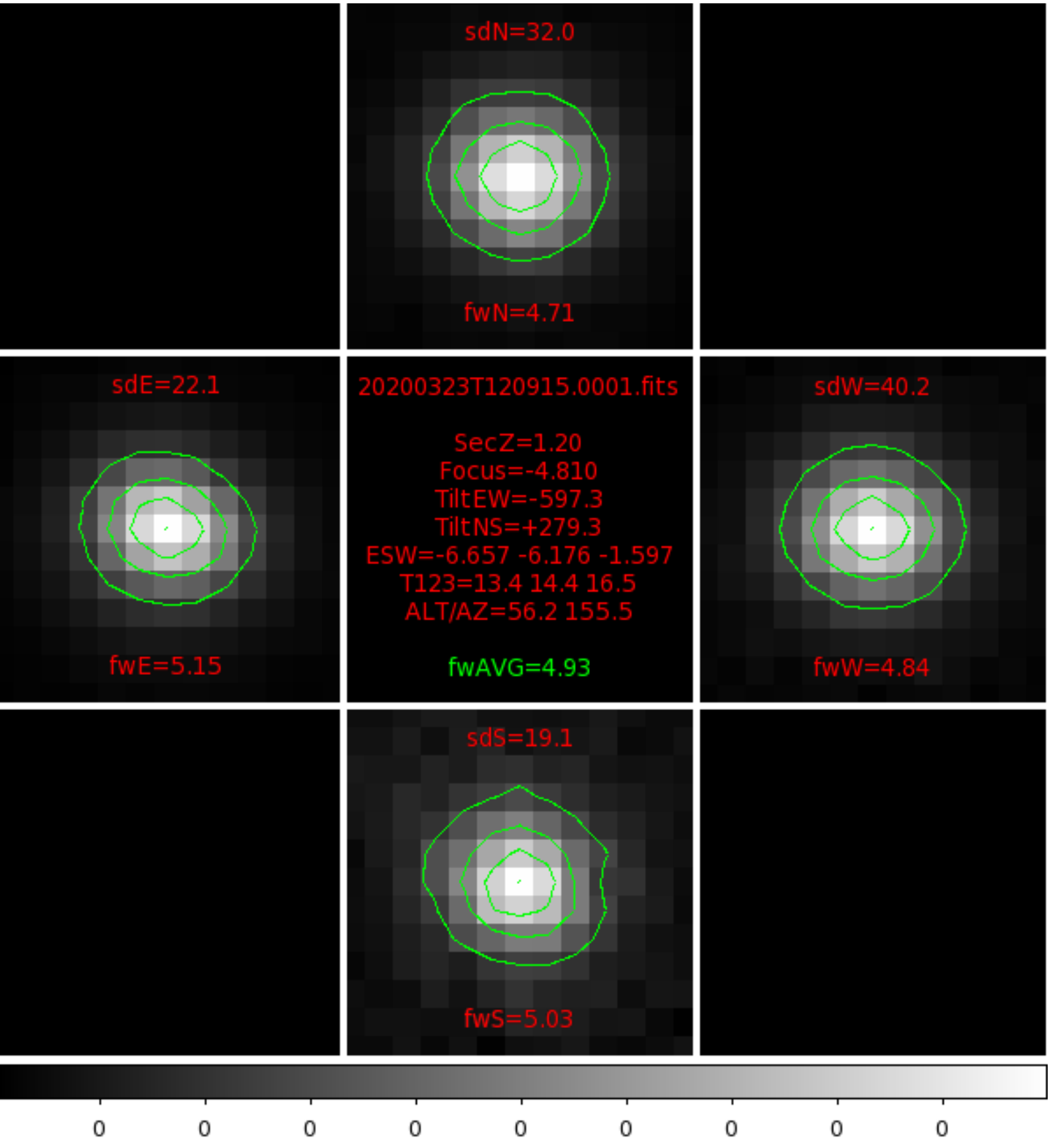
sdN=32.0
fwN=4.71
sdE=22.1
fwE=5.15
20200323T120915.0001.fits
SecZ=1.20
Focus=-4.810
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.657 -6.176 -1.597
T123=13.4 14.4 16.5
ALT/AZ=56.2 155.5
fwAVG=4.93
sdW=40.2
fwW=4.84
sdS=19.1
fwS=5.03
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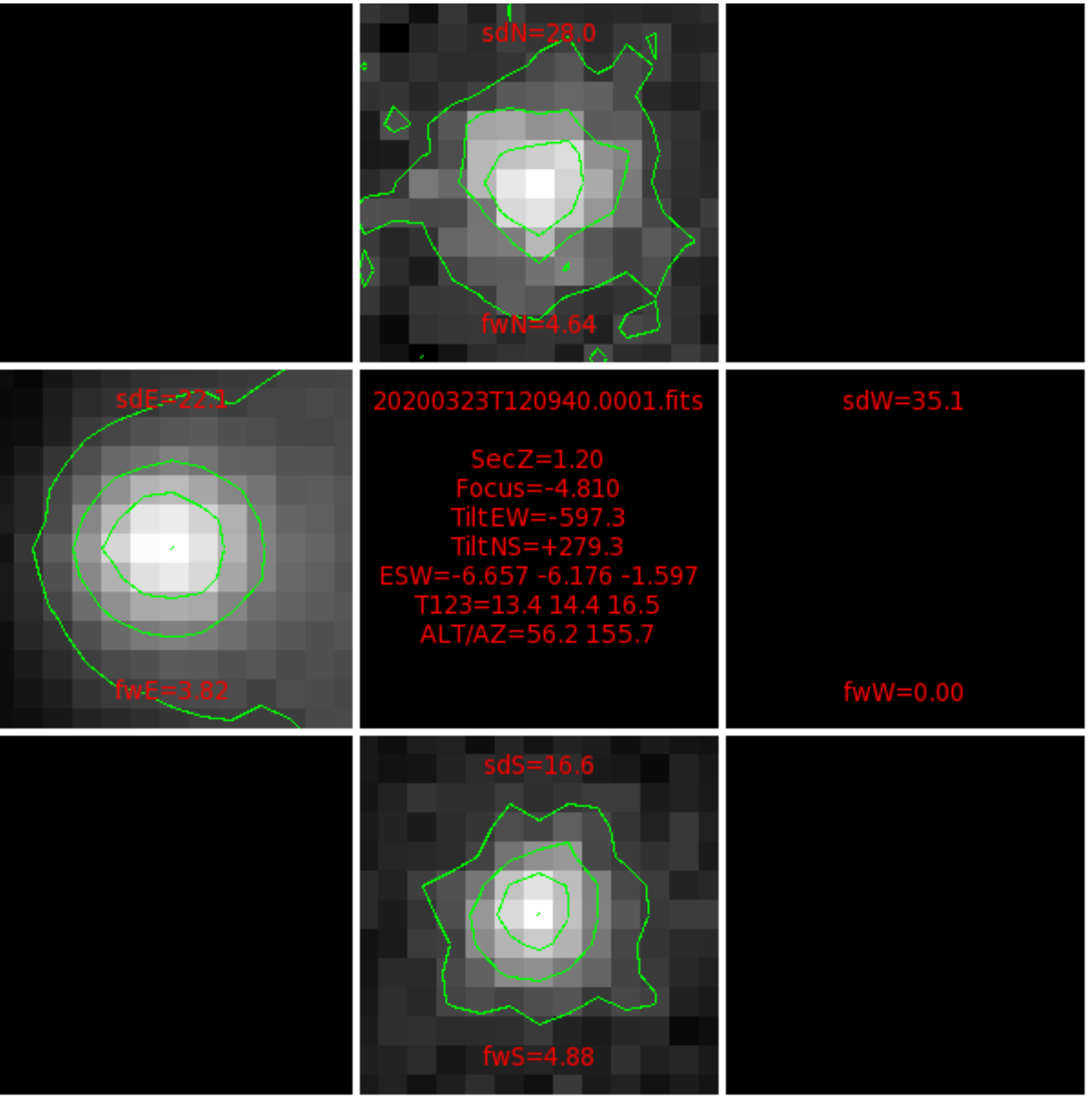
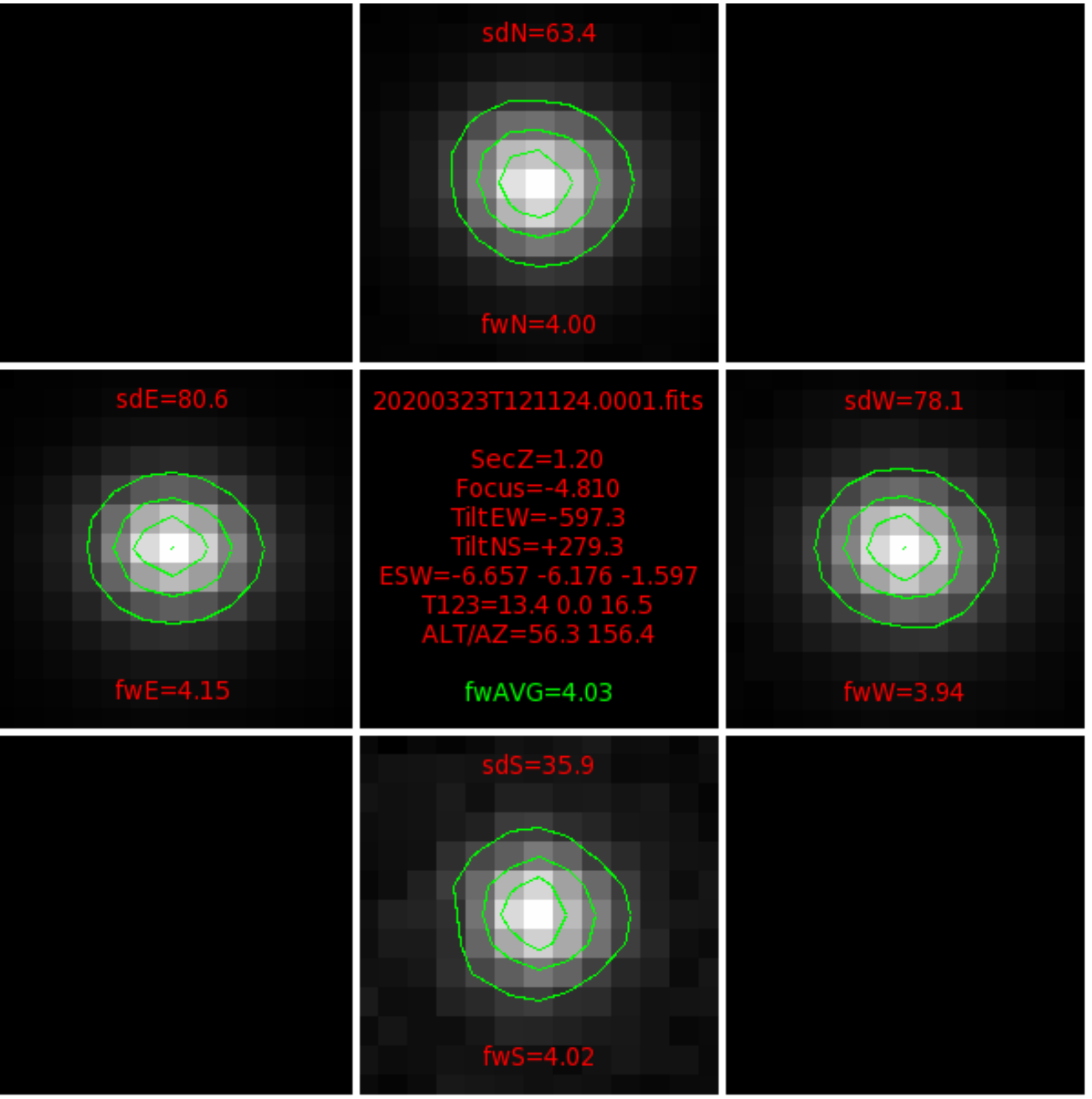

sdN=28.0
fwN=4.64
sdE=22.1
fwE=3.82
20200323T120940.0001.fits
SecZ=1.20
Focus=-4.810
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.657 -6.176 -1.597
T123=13.4 14.4 16.5
ALT/AZ=56.2 155.7
sdW=35.1
fwW=0.00
sdS=16.6
fwS=4.88
0 0 0 0 0 0 0 0 0


sdN=63.4
fwN=4.00
sdE=80.6
fwE=4.15
20200323T121124.0001.fits
SecZ=1.20
Focus=-4.810
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.657 -6.176 -1.597
T123=13.4 0.0 16.5
ALT/AZ=56.3 156.4
fwAVG=4.03
sdW=78.1
fwW=3.94
sdS=35.9
fwS=4.02
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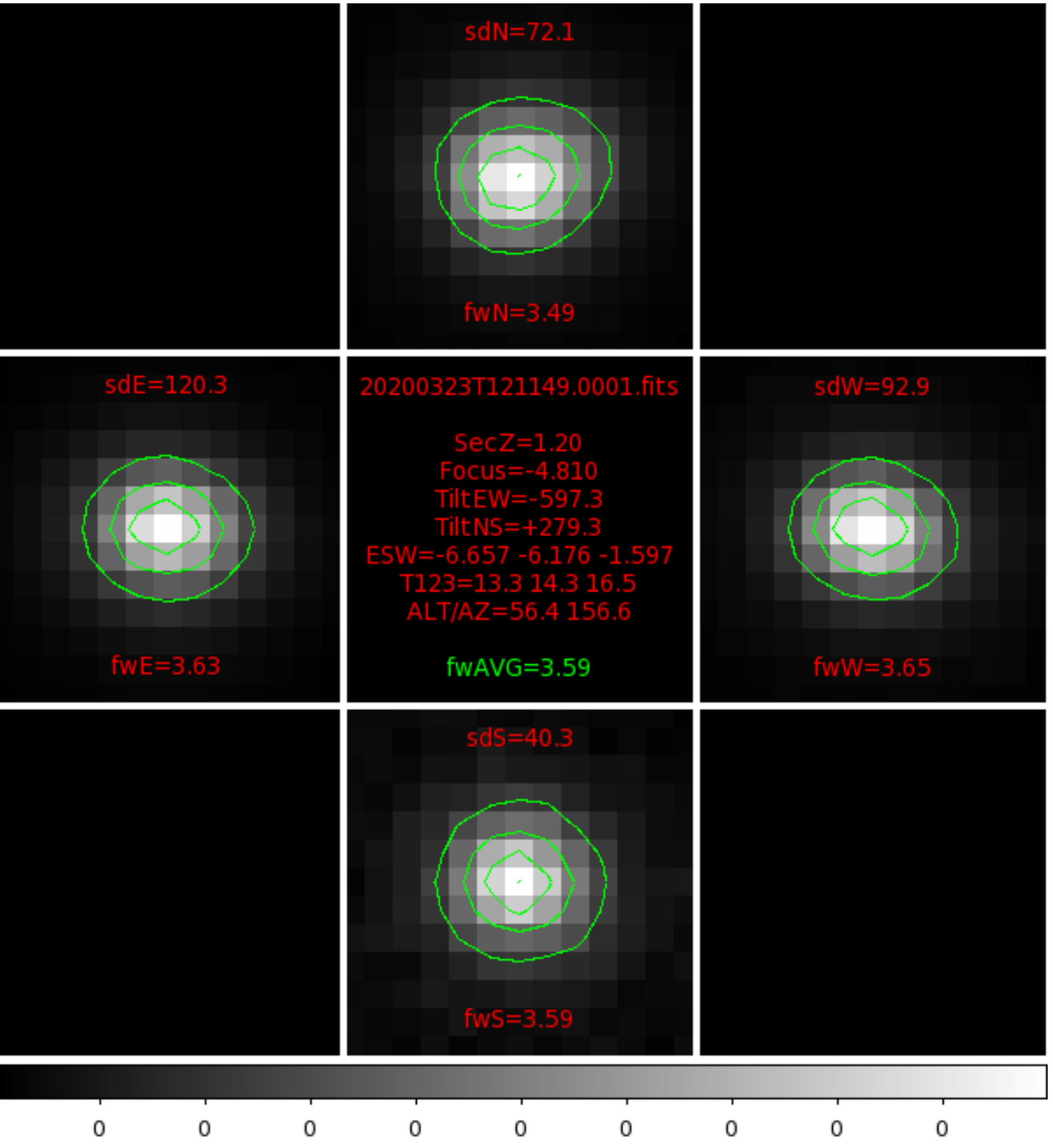
sdN=72.1
fwN=3.49
sdE=120.3
fwE=3.63
20200323T121149.0001.fits
SecZ=1.20
Focus=-4.810
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.657 -6.176 -1.597
T123=13.3 14.3 16.5
ALT/AZ=56.4 156.6
fwAVG=3.59
sdW=92.9
fwW=3.65
sdS=40.3
fwS=3.59
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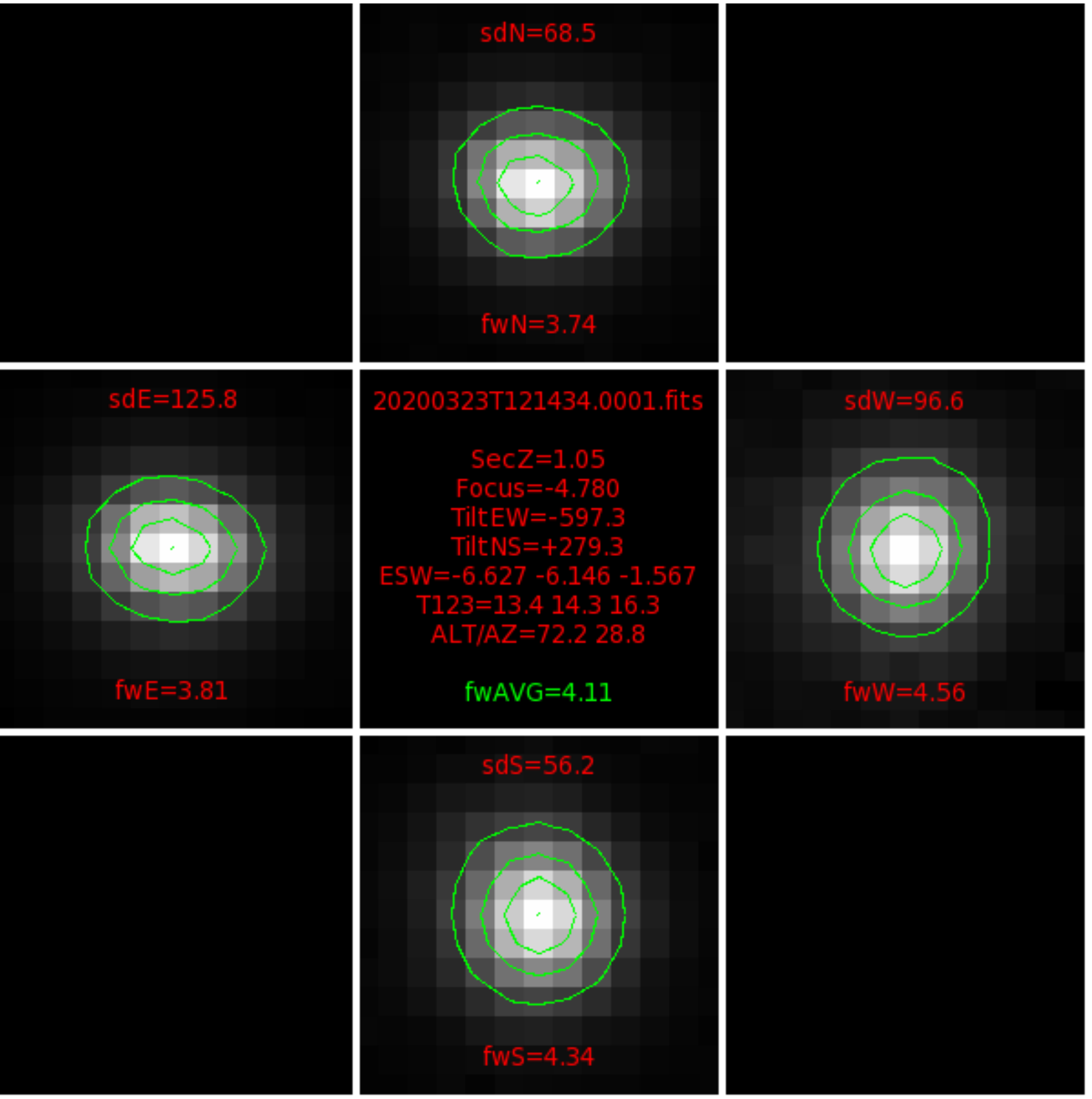
sdN=68.5
fwN=3.74
sdE=125.8
fwE=3.81
20200323T121434.0001.fits
SecZ=1.05
Focus=-4.780
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.627 -6.146 -1.567
T123=13.4 14.3 16.3
ALT/AZ=72.2 28.8
fwAVG=4.11
sdW=96.6
fwW=4.56
sdS=56.2
fwS=4.34
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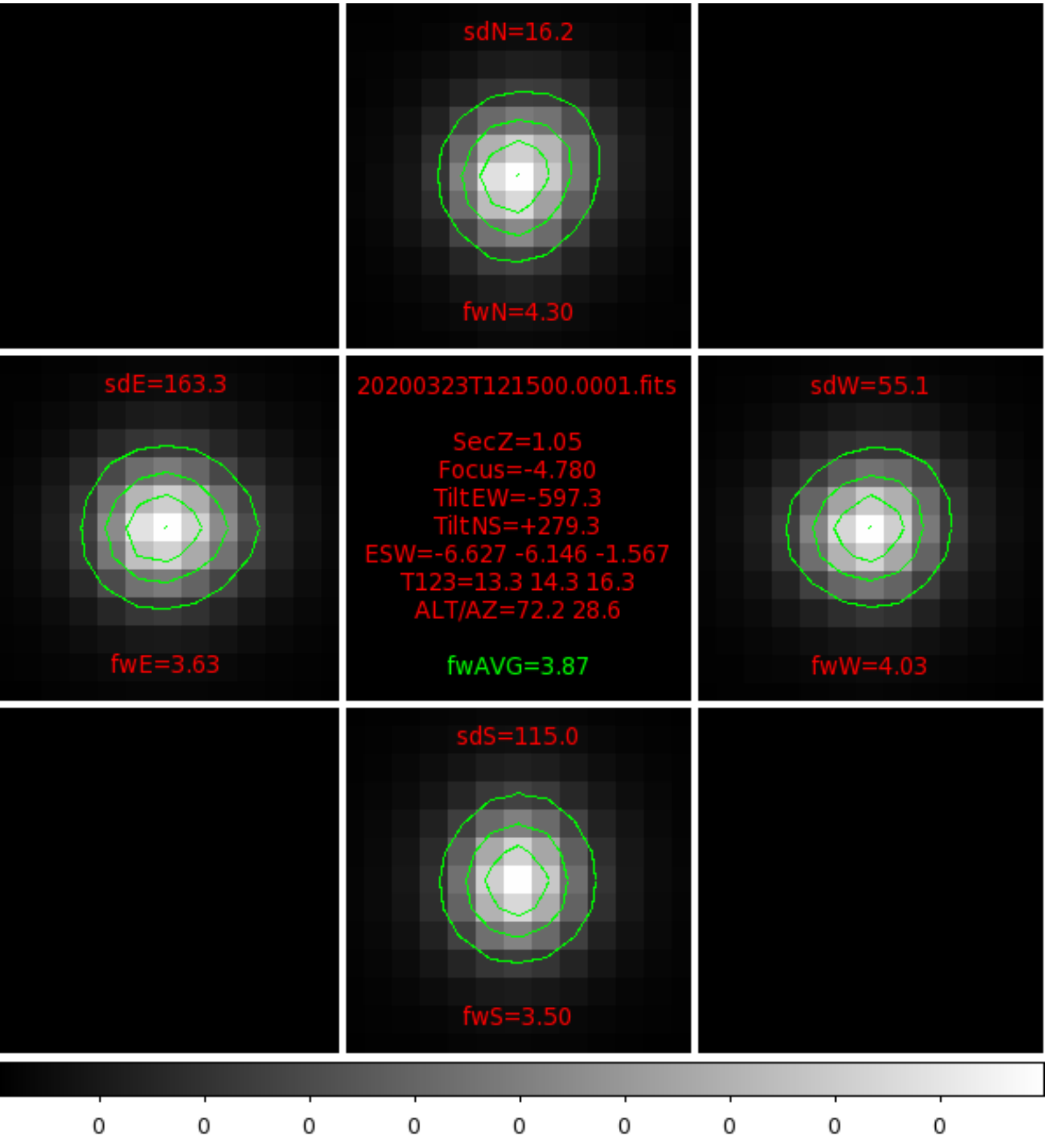
sdN=16.2
fwN=4.30
sdE=163.3
fwE=3.63
20200323T121500.0001.fits
SecZ=1.05
Focus=-4.780
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.627 -6.146 -1.567
T123=13.3 14.3 16.3
ALT/AZ=72.2 28.6
fwAVG=3.87
sdW=55.1
fwW=4.03
sdS=115.0
fwS=3.50
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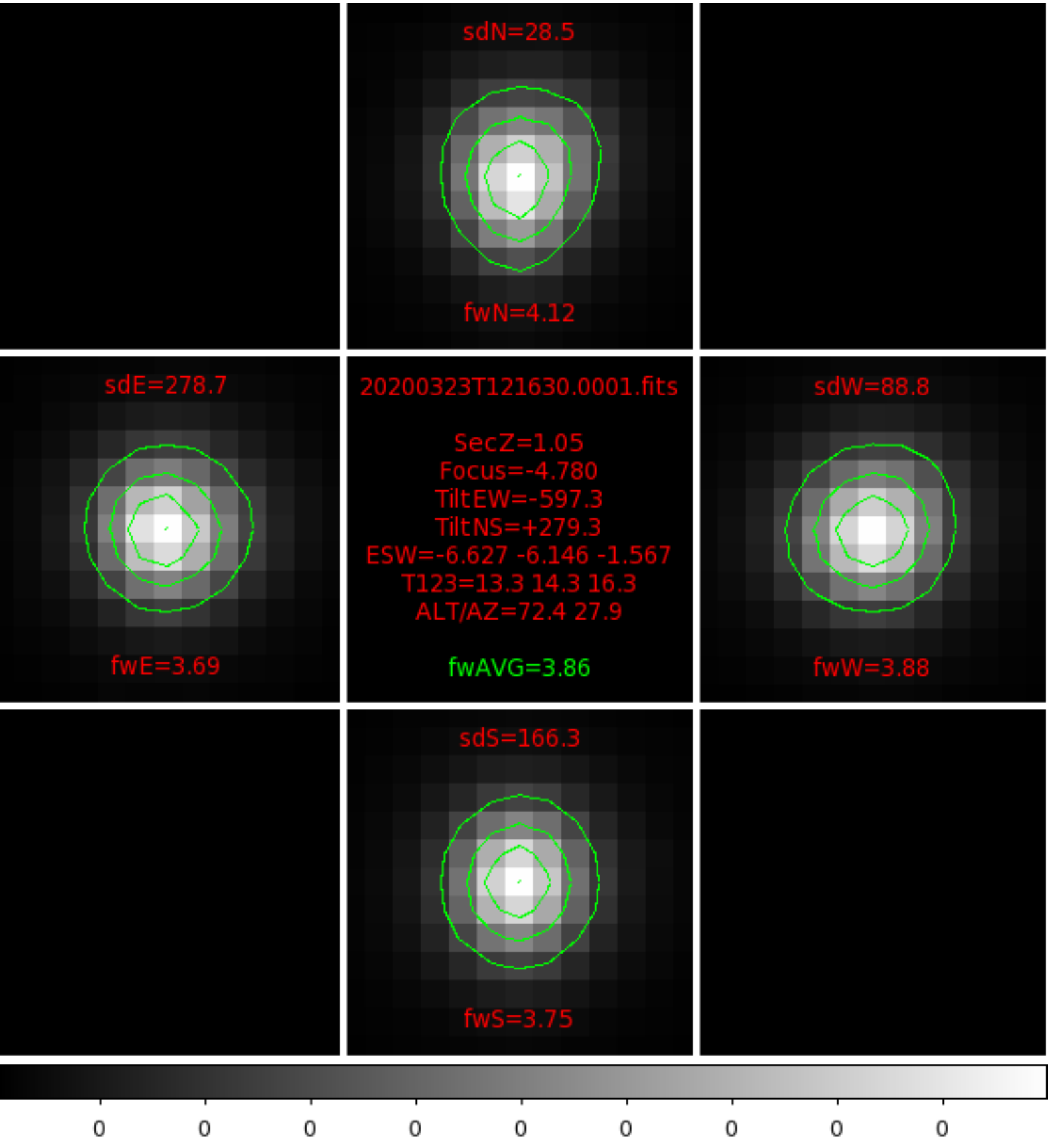
sdN=28.5
fwN=4.12
sdE=278.7
fwE=3.69
20200323T121630.0001.fits
SecZ=1.05
Focus=-4.780
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.627 -6.146 -1.567
T123=13.3 14.3 16.3
ALT/AZ=72.4 27.9
fwAVG=3.86
sdW=88.8
fwW=3.88
sdS=166.3
fwS=3.75
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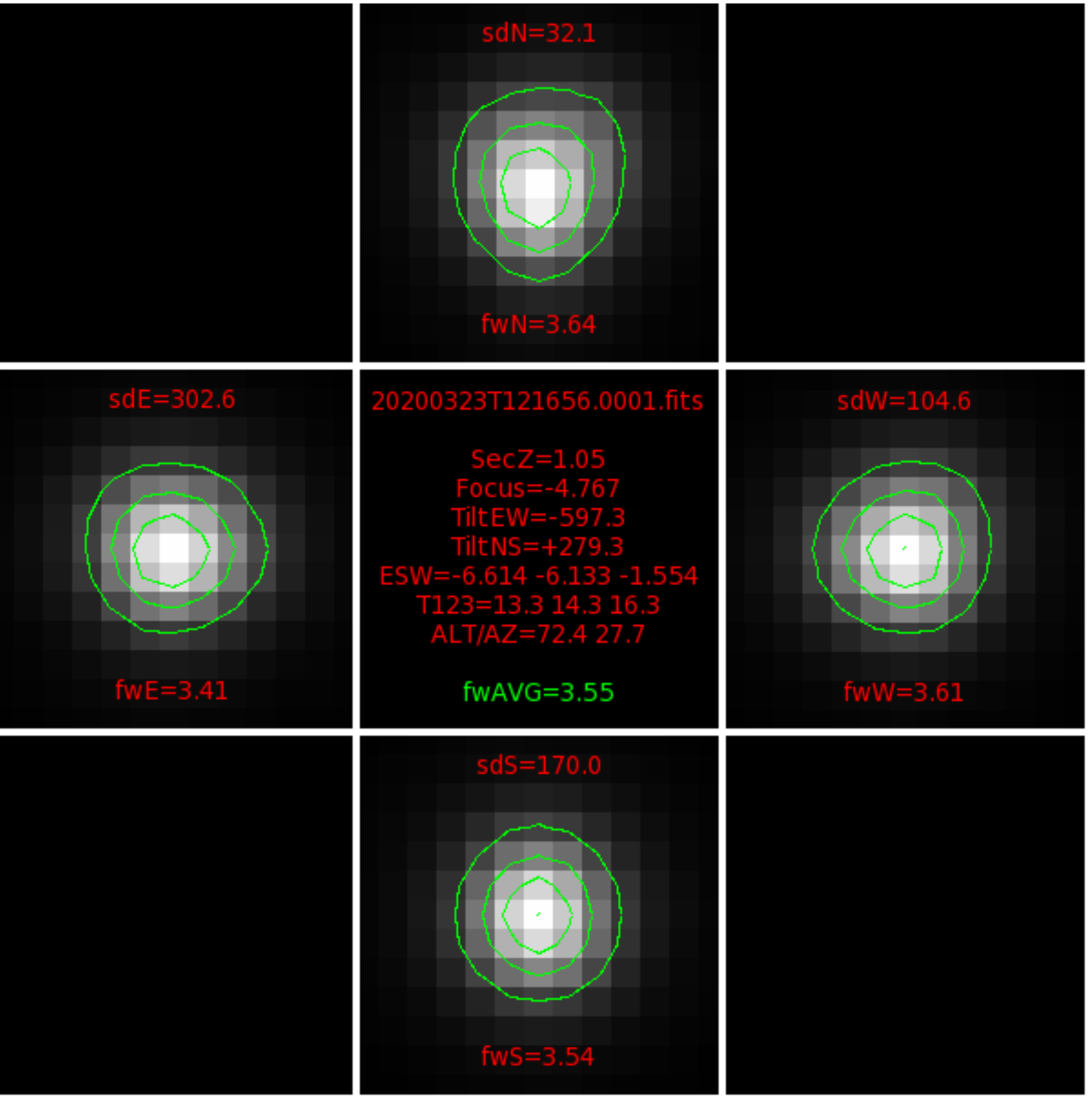
sdN=32.1
fwN=3.64
sdE=302.6
fwE=3.41
20200323T121656.0001.fits
SecZ=1.05
Focus=-4.767
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.614 -6.133 -1.554
T123=13.3 14.3 16.3
ALT/AZ=72.4 27.7
fwAVG=3.55
sdW=104.6
fwW=3.61
sdS=170.0
fwS=3.54
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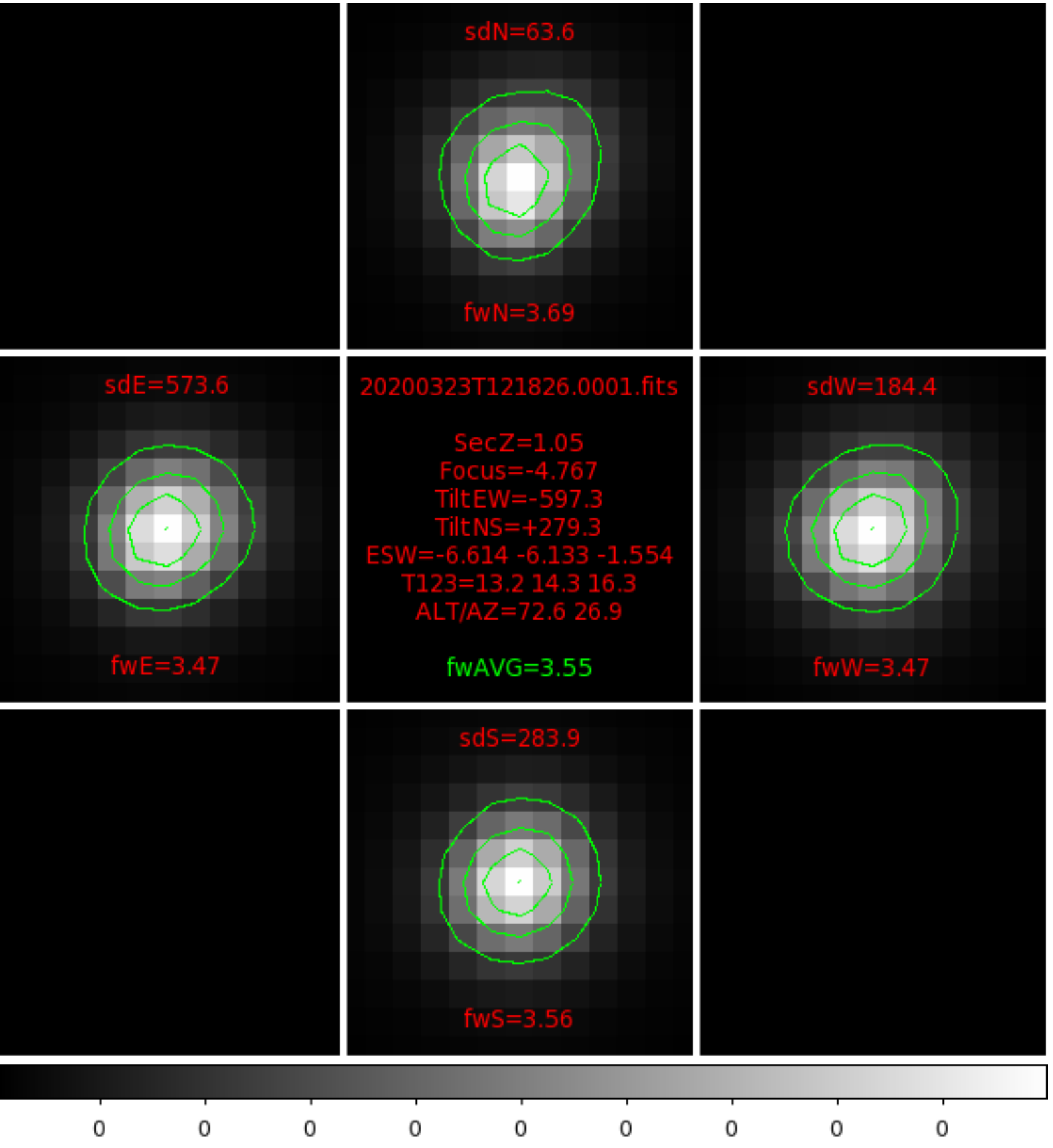
sdN=63.6
fwN=3.69
sdE=573.6
fwE=3.47
20200323T121826.0001.fits
SecZ=1.05
Focus=-4.767
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.614 -6.133 -1.554
T123=13.2 14.3 16.3
ALT/AZ=72.6 26.9
fwAVG=3.55
sdW=184.4
fwW=3.47
sdS=283.9
fwS=3.56
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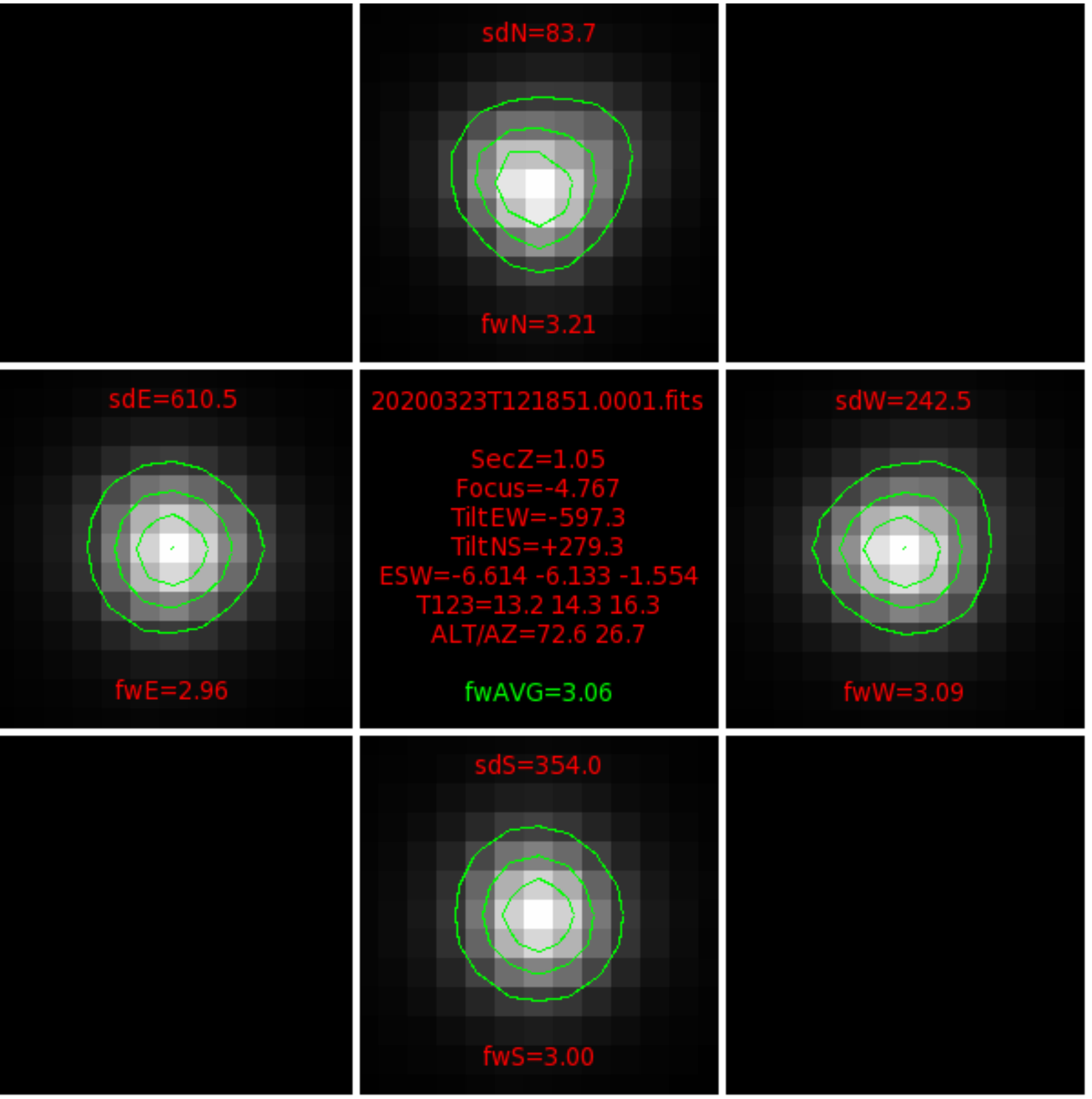
sdN=83.7
fwN=3.21
sdE=610.5
fwE=2.96
20200323T121851.0001.fits
SecZ=1.05
Focus=-4.767
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.614 -6.133 -1.554
T123=13.2 14.3 16.3
ALT/AZ=72.6 26.7
fwAVG=3.06
sdW=242.5
fwW=3.09
sdS=354.0
fwS=3.00
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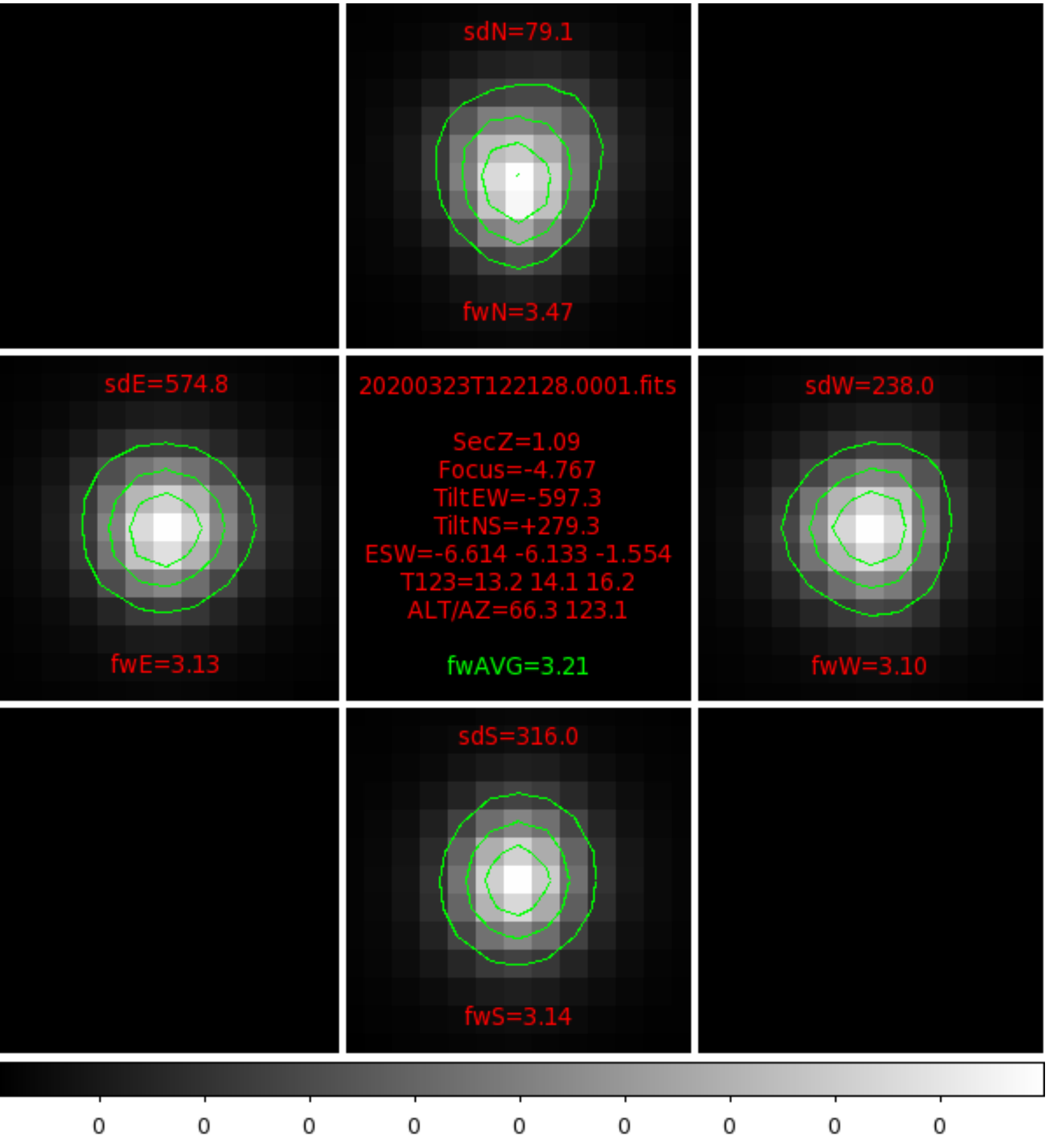
sdN=79.1
fwN=3.47
sdE=574.8
fwE=3.13
20200323T122128.0001.fits
SecZ=1.09
Focus=-4.767
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.614 -6.133 -1.554
T123=13.2 14.1 16.2
ALT/AZ=66.3 123.1
fwAVG=3.21
sdW=238.0
fwW=3.10
sdS=316.0
fwS=3.14
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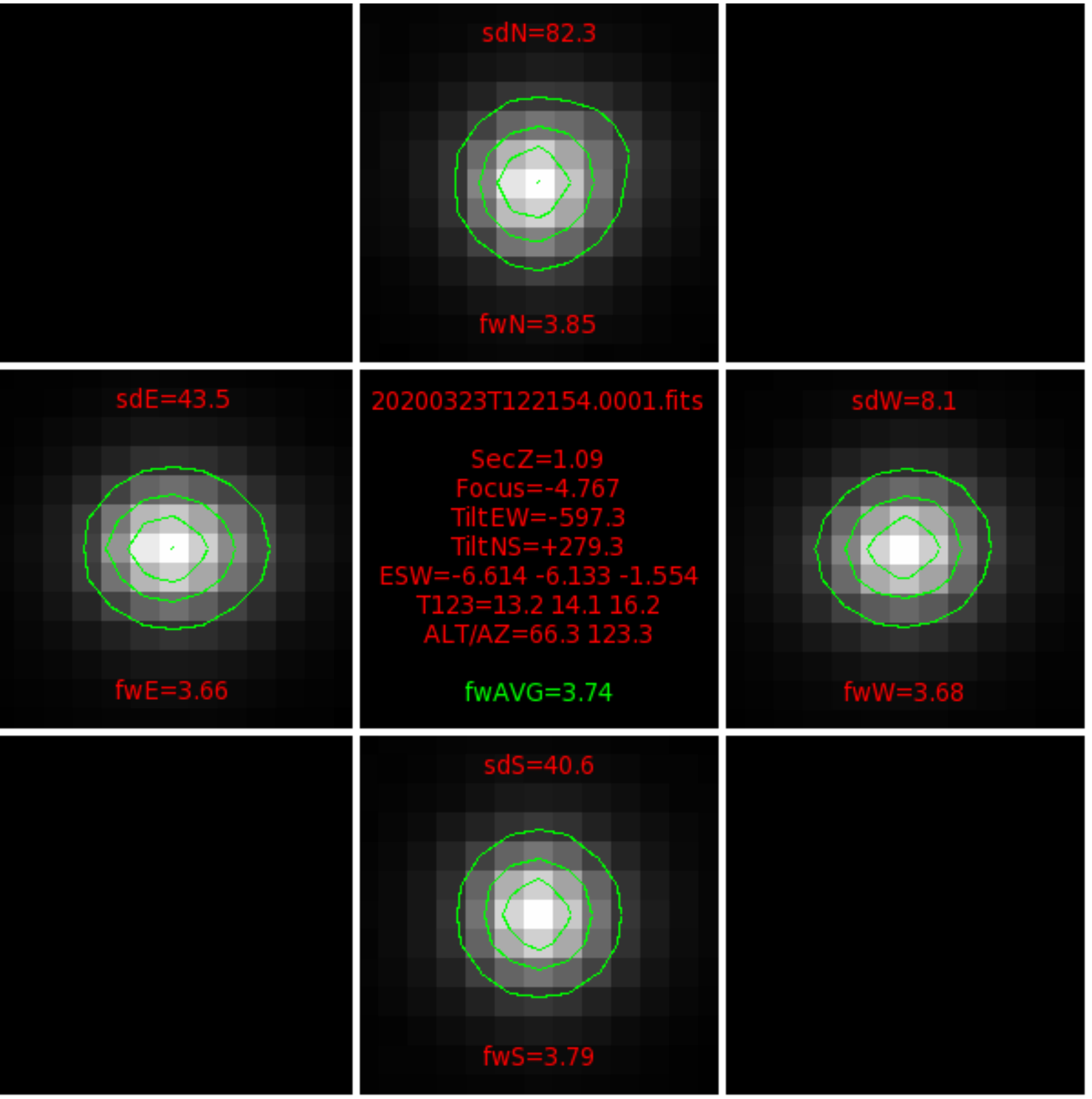
sdN=82.3
fwN=3.85
sdE=43.5
fwE=3.66
20200323T122154.0001.fits
SecZ=1.09
Focus=-4.767
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.614 -6.133 -1.554
T123=13.2 14.1 16.2
ALT/AZ=66.3 123.3
fwAVG=3.74
sdW=8.1
fwW=3.68
sdS=40.6
fwS=3.79
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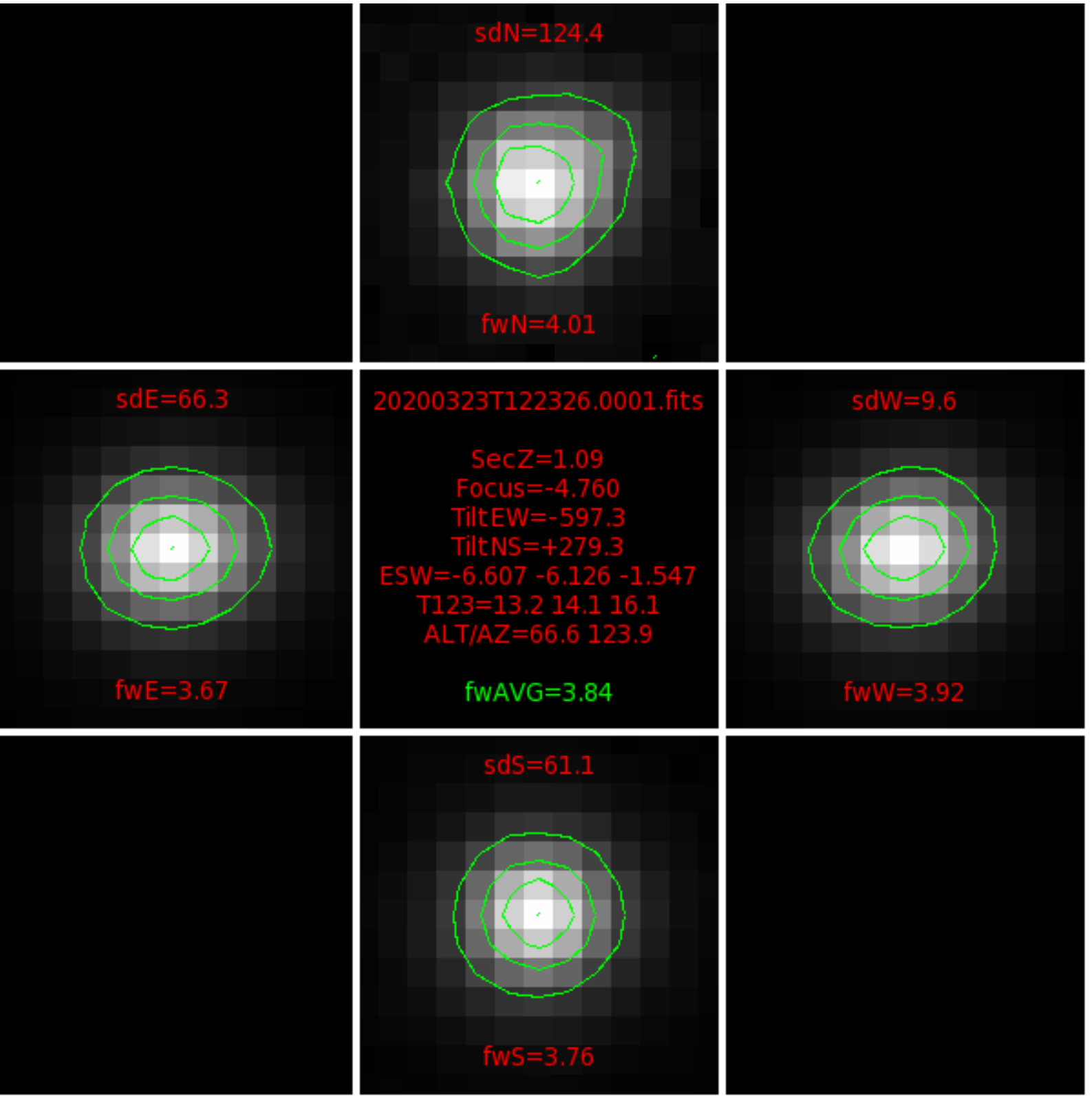
sdN=124.4
fwN=4.01
sdE=66.3
fwE=3.67
20200323T122326.0001.fits
SecZ=1.09
Focus=-4.760
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.607 -6.126 -1.547
T123=13.2 14.1 16.1
ALT/AZ=66.6 123.9
fwAVG=3.84
sdW=9.6
fwW=3.92
sdS=61.1
fwS=3.76
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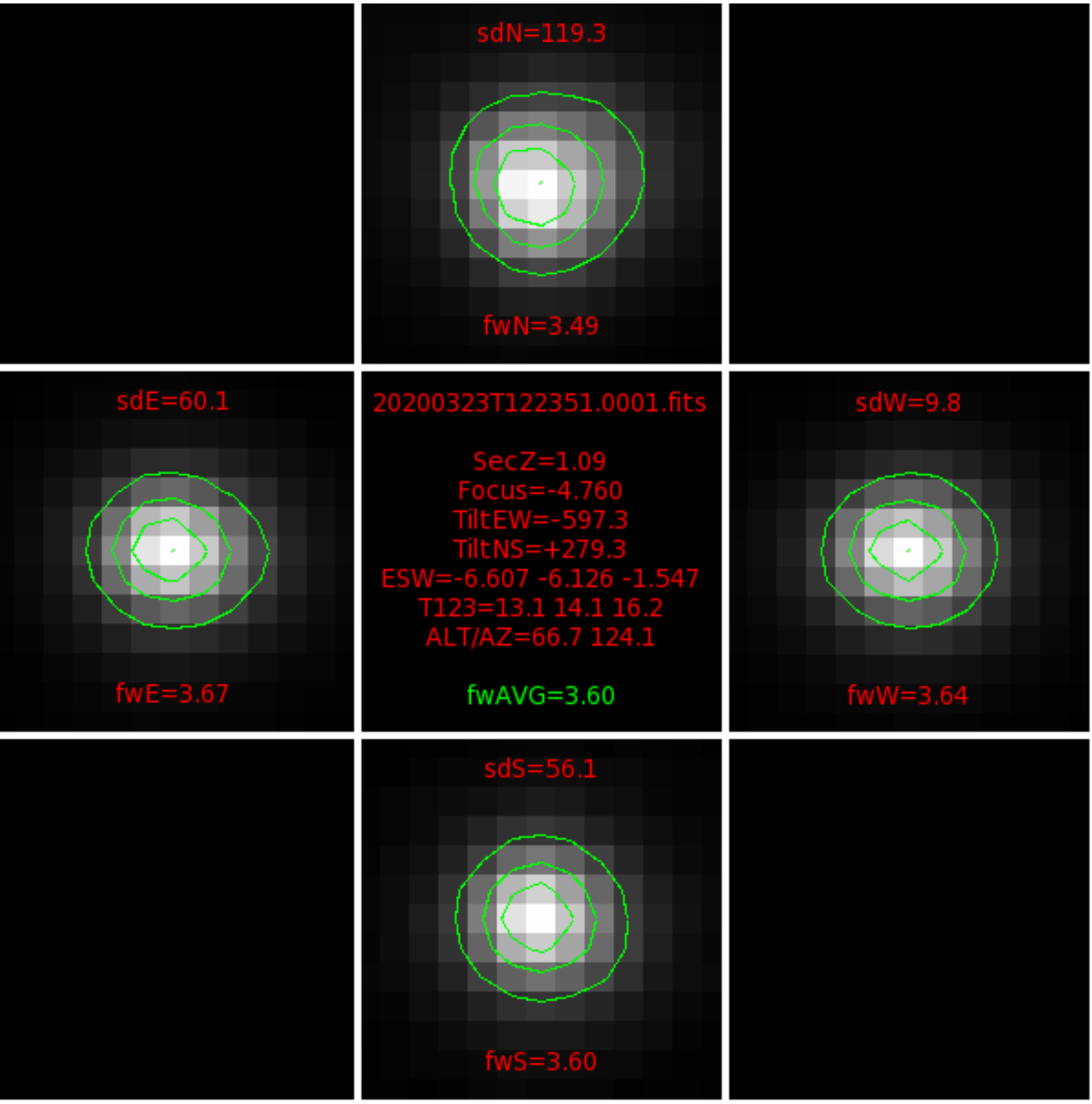
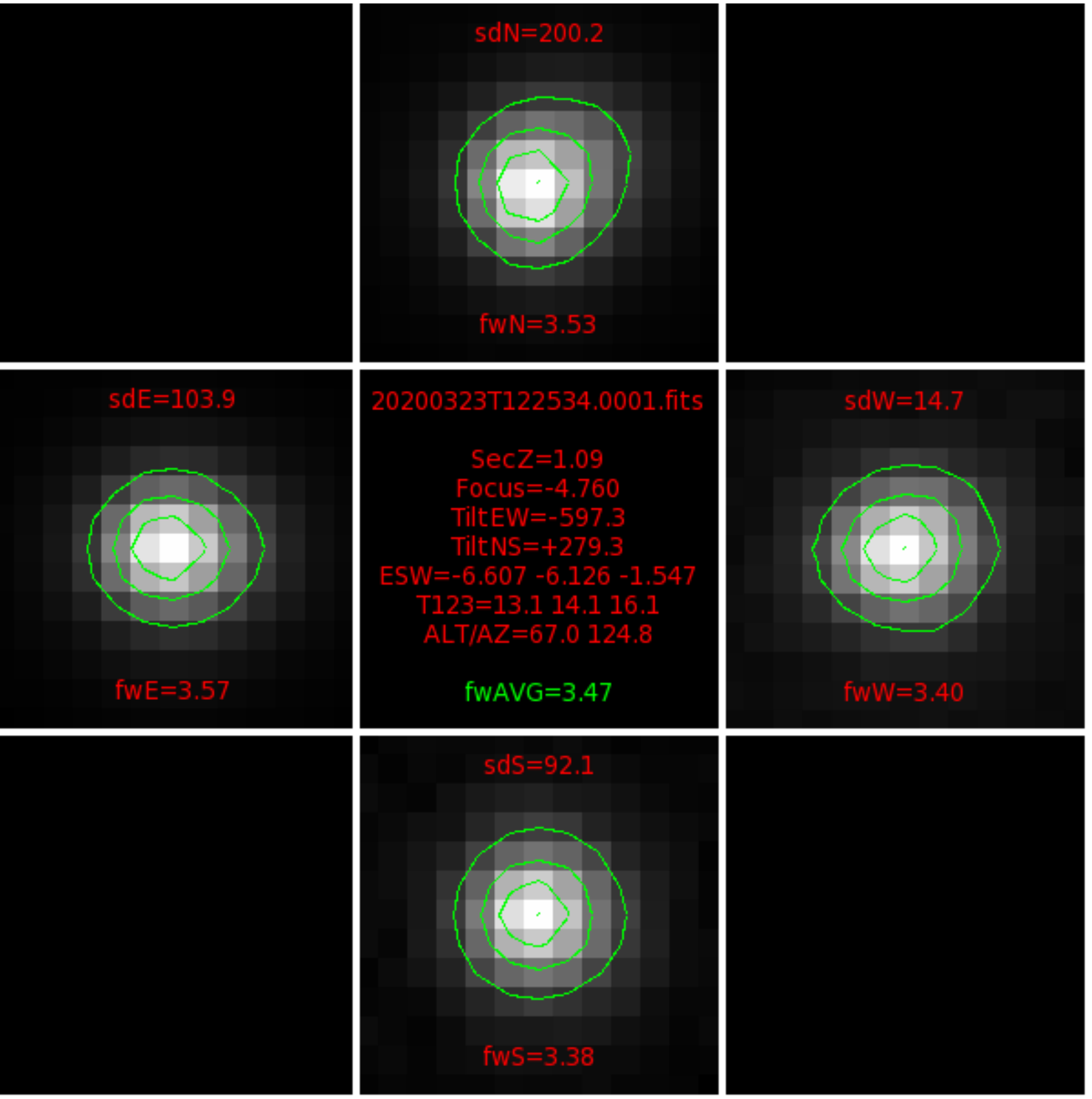

sdN=119.3
fwN=3.49
sdE=60.1
fwE=3.67
20200323T122351.0001.fits
SecZ=1.09
Focus=-4.760
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.607 -6.126 -1.547
T123=13.1 14.1 16.2
ALT/AZ=66.7 124.1
fwAVG=3.60
sdW=9.8
fwW=3.64
sdS=56.1
fwS=3.60
0 0 0 0 0 0 0 0 0


sdN=200.2
fwN=3.53
sdE=103.9
fwE=3.57
20200323T122534.0001.fits
SecZ=1.09
Focus=-4.760
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.607 -6.126 -1.547
T123=13.1 14.1 16.1
ALT/AZ=67.0 124.8
fwAVG=3.47
sdW=14.7
fwW=3.40
sdS=92.1
fwS=3.38
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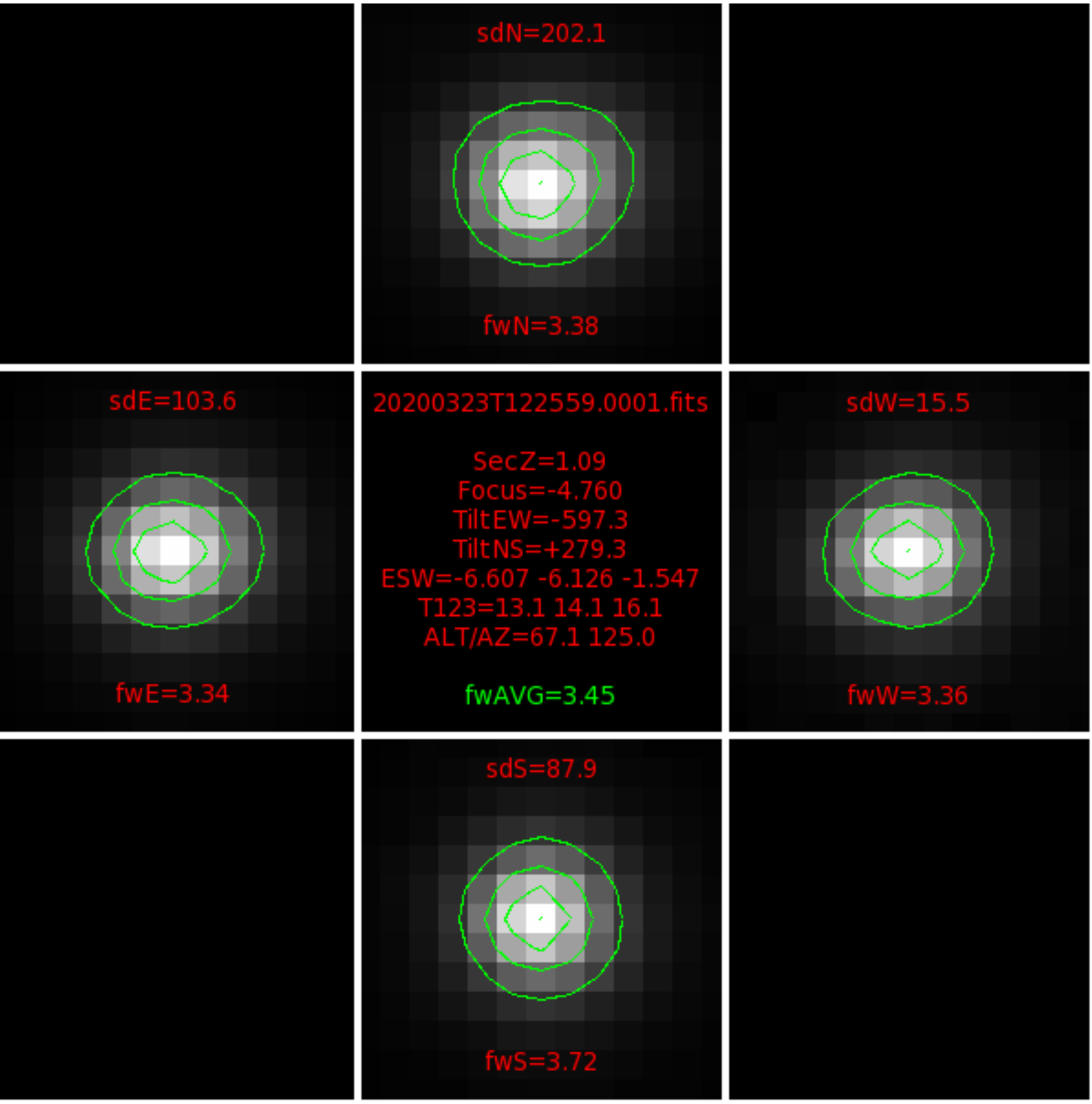
sdN=202.1
fwN=3.38
sdE=103.6
fwE=3.34
20200323T122559.0001.fits
SecZ=1.09
Focus=-4.760
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.607 -6.126 -1.547
T123=13.1 14.1 16.1
ALT/AZ=67.1 125.0
fwAVG=3.45
sdW=15.5
fwW=3.36
sdS=87.9
fwS=3.72
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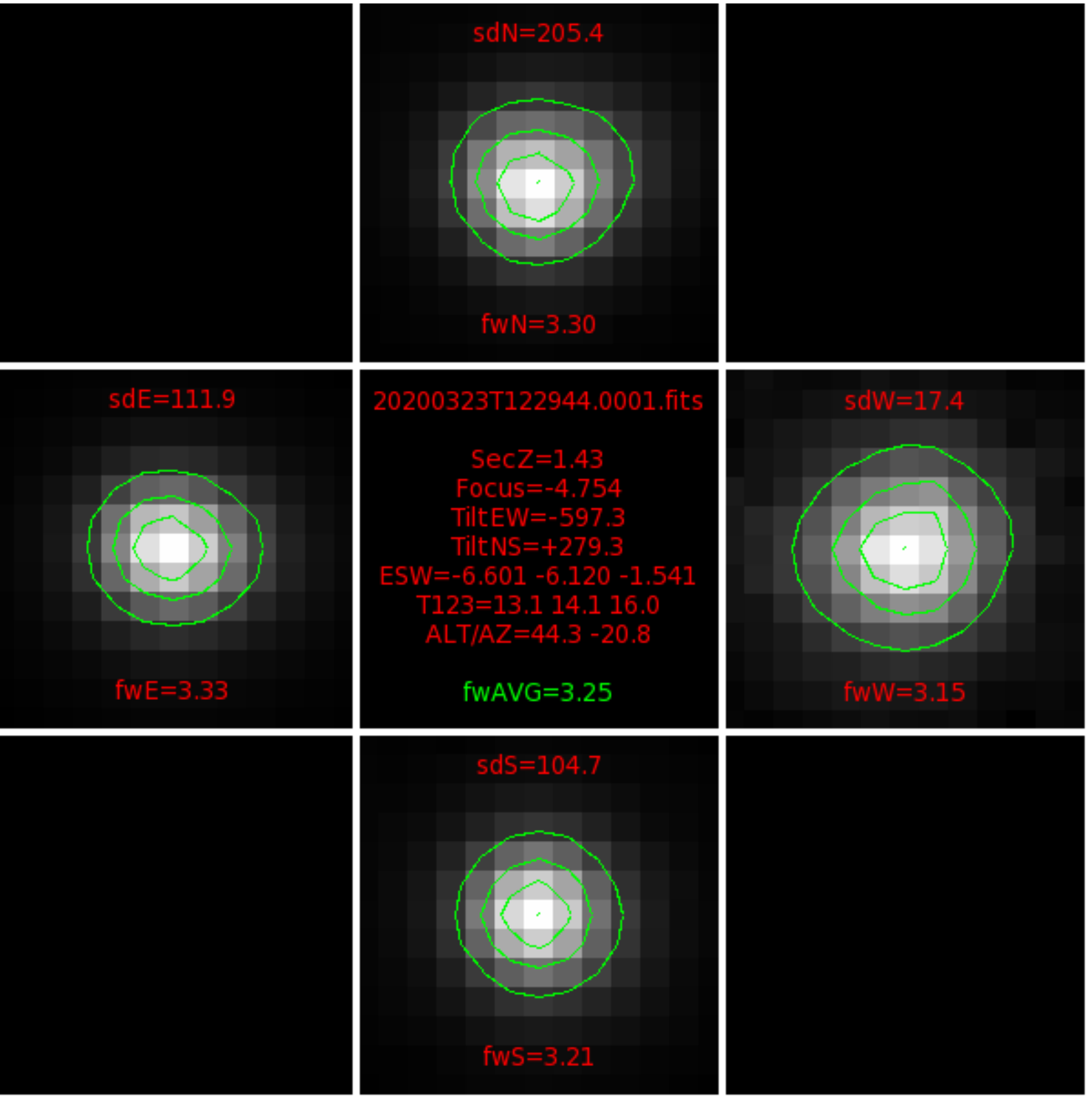
sdN=205.4
fwN=3.30
sdE=111.9
fwE=3.33
20200323T122944.0001.fits
SecZ=1.43
Focus=-4.754
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.601 -6.120 -1.541
T123=13.1 14.1 16.0
ALT/AZ=44.3 -20.8
fwAVG=3.25
sdW=17.4
fwW=3.15
sdS=104.7
fwS=3.21
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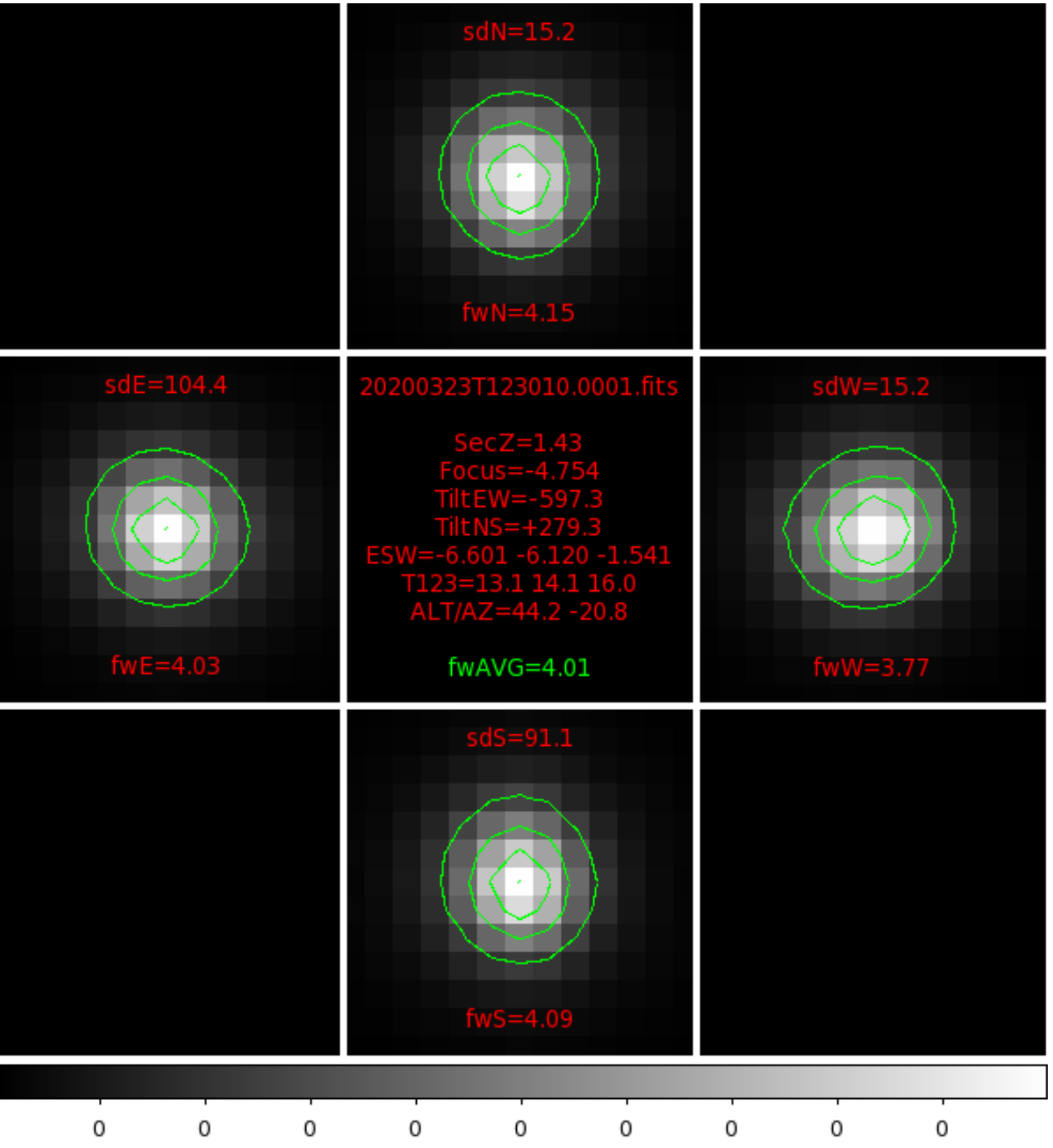
sdN=15.2
fwN=4.15
sdE=104.4
fwE=4.03
20200323T123010.0001.fits
SecZ=1.43
Focus=-4.754
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.601 -6.120 -1.541
T123=13.1 14.1 16.0
ALT/AZ=44.2 -20.8
fwAVG=4.01
sdW=15.2
fwW=3.77
sdS=91.1
fwS=4.09
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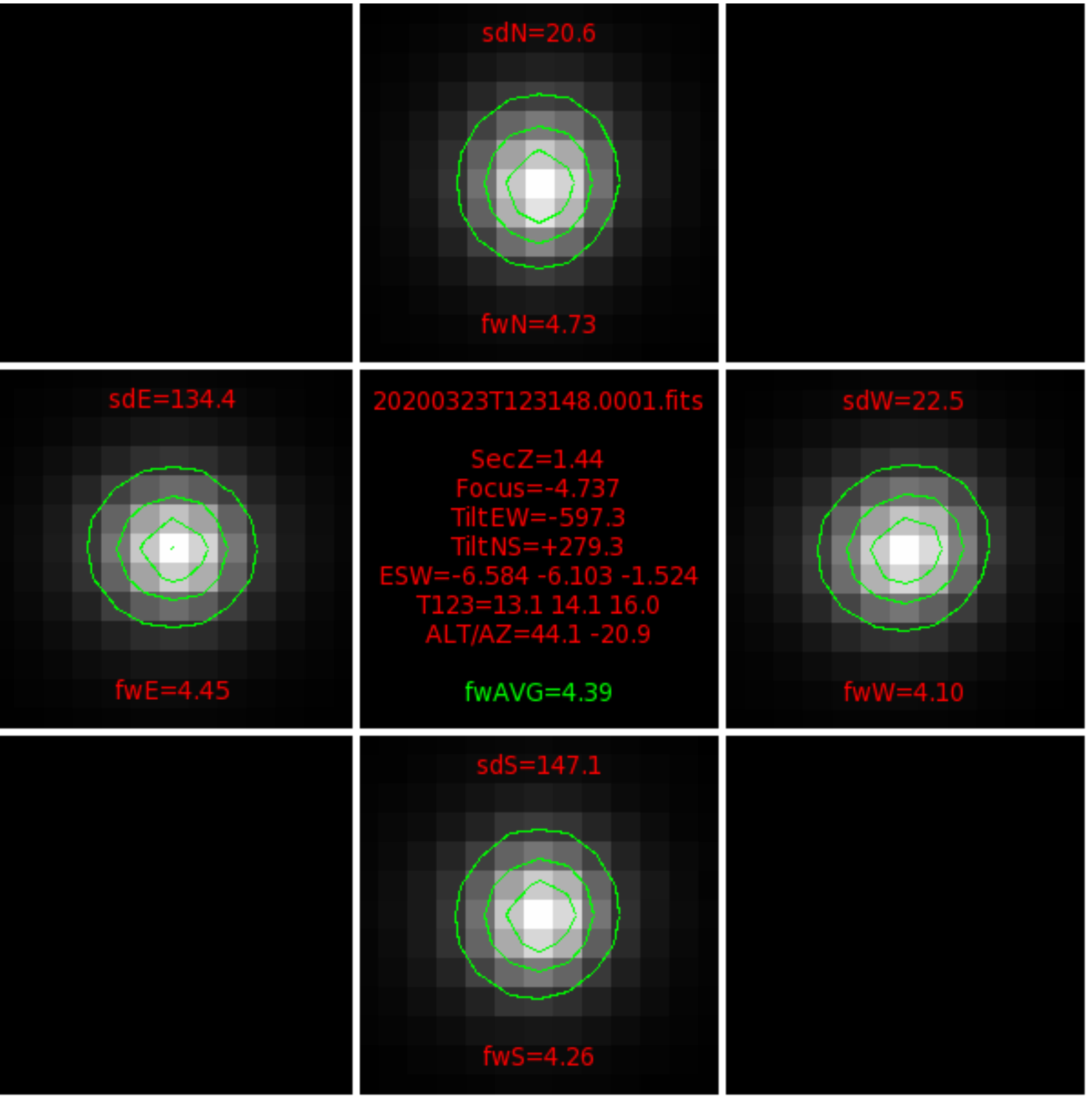
sdN=20.6
fwN=4.73
sdE=134.4
fwE=4.45
20200323T123148.0001.fits
SecZ=1.44
Focus=-4.737
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.584 -6.103 -1.524
T123=13.1 14.1 16.0
ALT/AZ=44.1 -20.9
fwAVG=4.39
sdW=22.5
fwW=4.10
sdS=147.1
fwS=4.26
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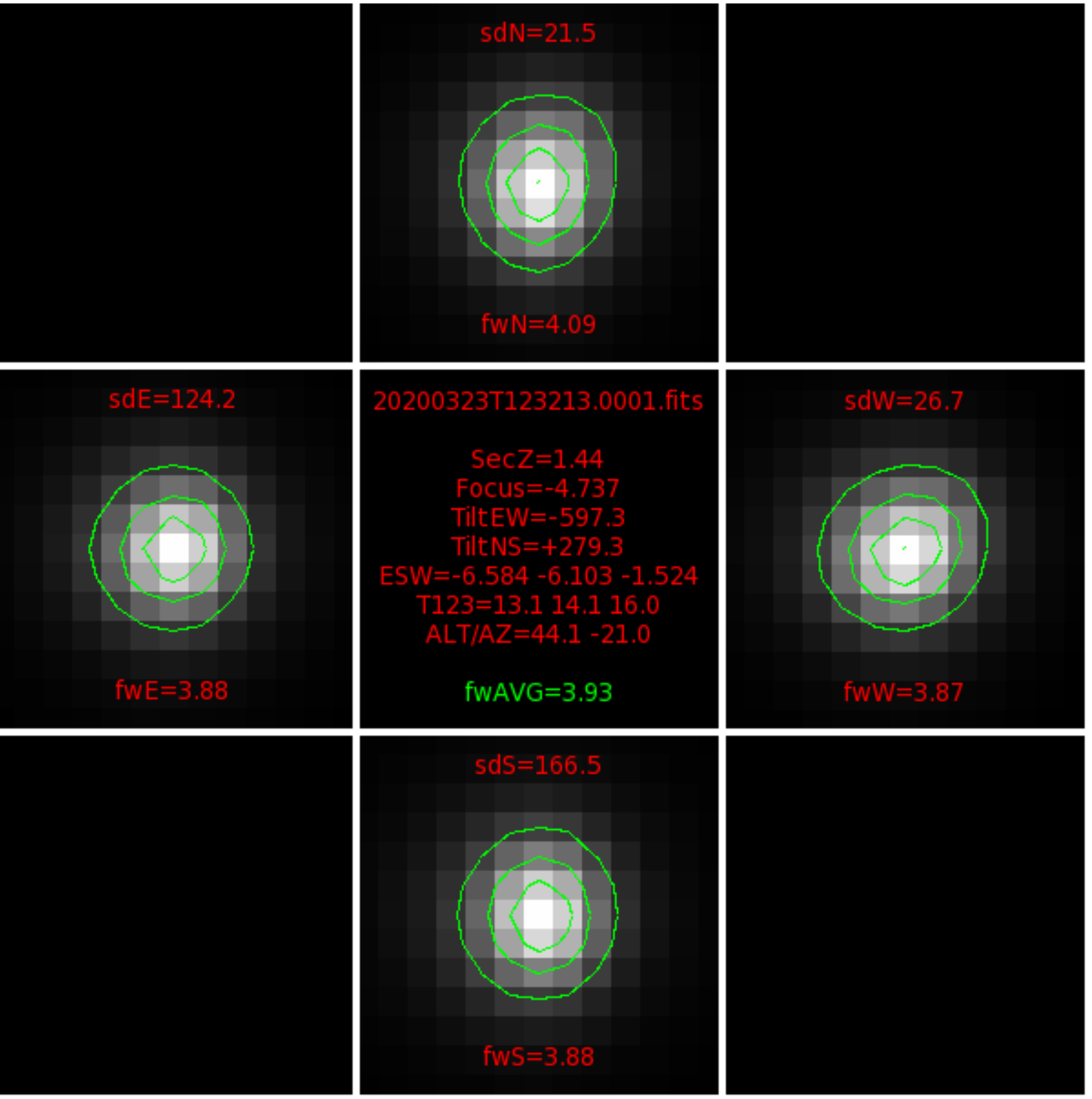
sdN=21.5
fwN=4.09
sdE=124.2
fwE=3.88
20200323T123213.0001.fits
SecZ=1.44
Focus=-4.737
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.584 -6.103 -1.524
T123=13.1 14.1 16.0
ALT/AZ=44.1 -21.0
fwAVG=3.93
sdW=26.7
fwW=3.87
sdS=166.5
fwS=3.88
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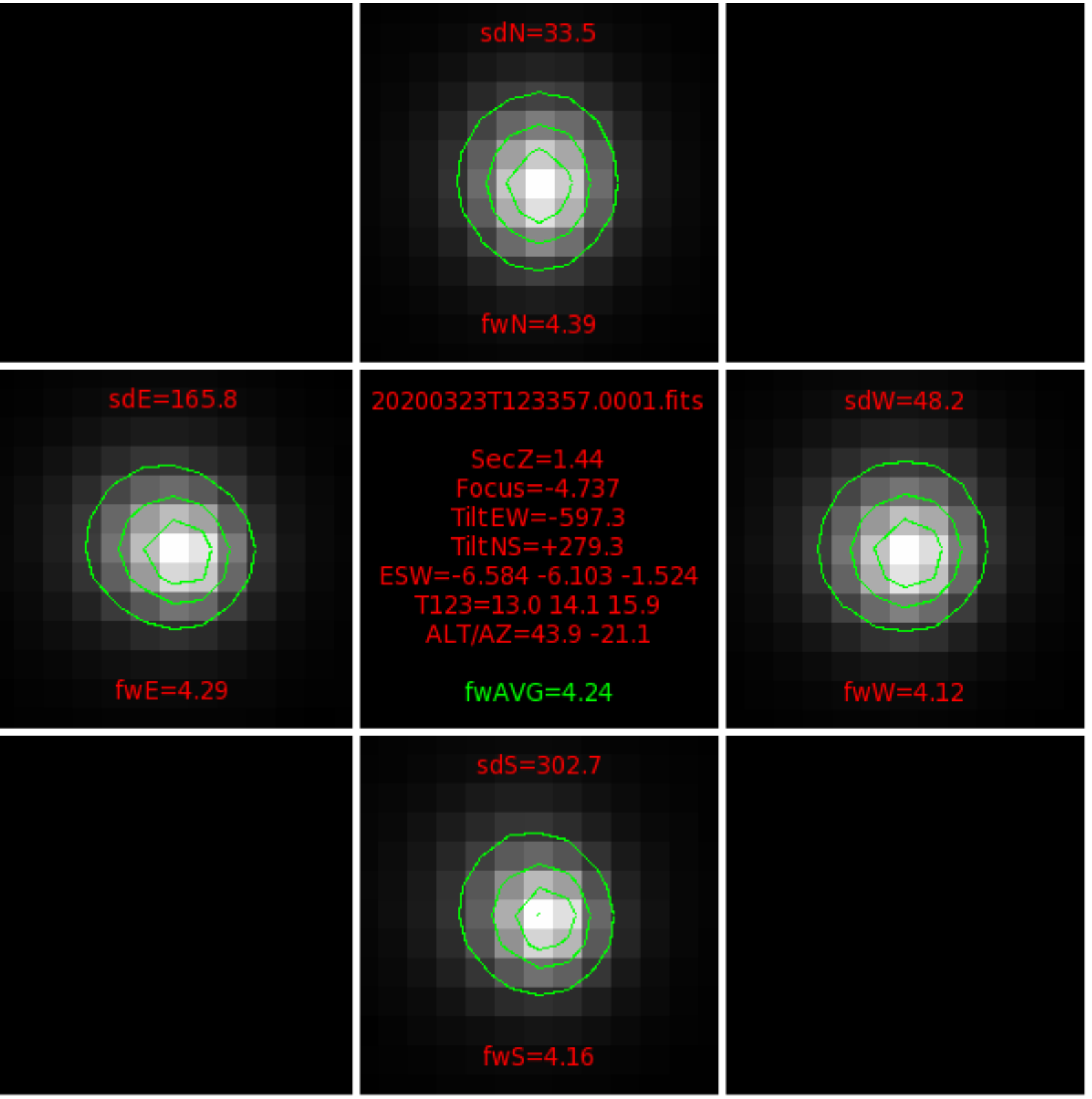
sdN=33.5
fwN=4.39
sdE=165.8
fwE=4.29
20200323T123357.0001.fits
SecZ=1.44
Focus=-4.737
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.584 -6.103 -1.524
T123=13.0 14.1 15.9
ALT/AZ=43.9 -21.1
fwAVG=4.24
sdW=48.2
fwW=4.12
sdS=302.7
fwS=4.16
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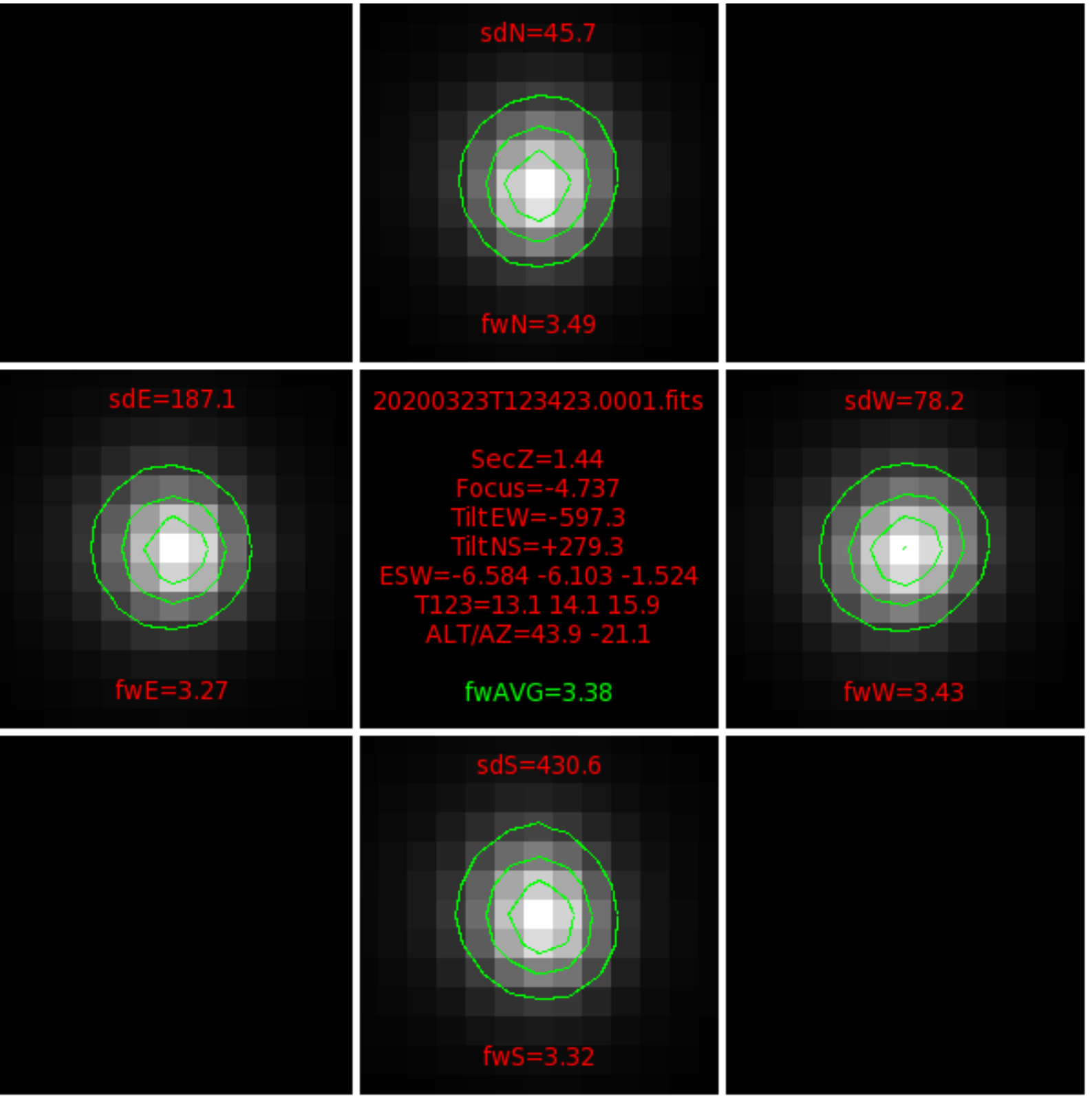
sdN=45.7
fwN=3.49
sdE=187.1
fwE=3.27
20200323T123423.0001.fits
SecZ=1.44
Focus=-4.737
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.584 -6.103 -1.524
T123=13.1 14.1 15.9
ALT/AZ=43.9 -21.1
fwAVG=3.38
sdW=78.2
fwW=3.43
sdS=430.6
fwS=3.32
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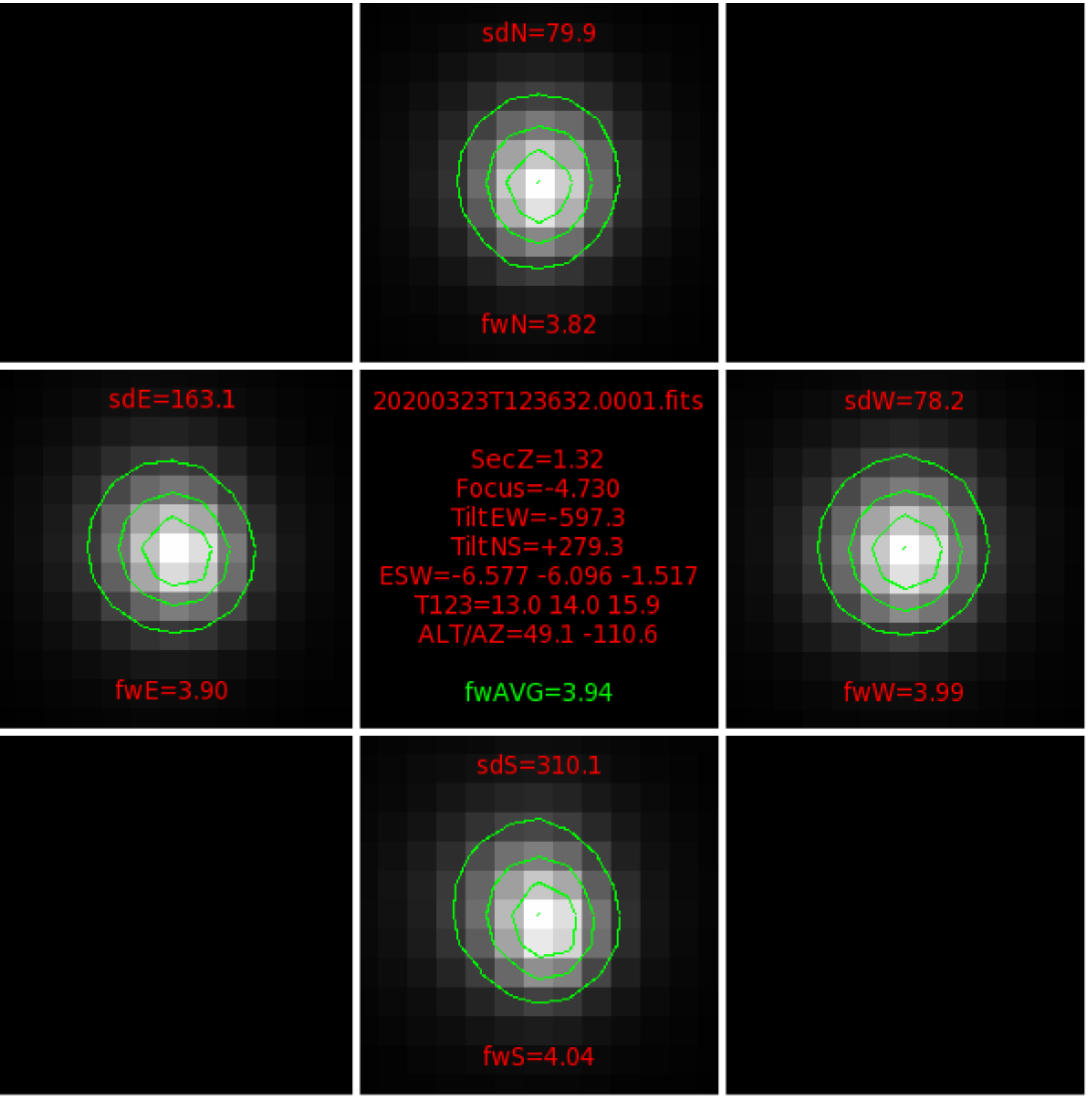
sdN=79.9
fwN=3.82
sdE=163.1
fwE=3.90
20200323T123632.0001.fits
SecZ=1.32
Focus=-4.730
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.577 -6.096 -1.517
T123=13.0 14.0 15.9
ALT/AZ=49.1 -110.6
fwAVG=3.94
sdW=78.2
fwW=3.99
sdS=310.1
fwS=4.04
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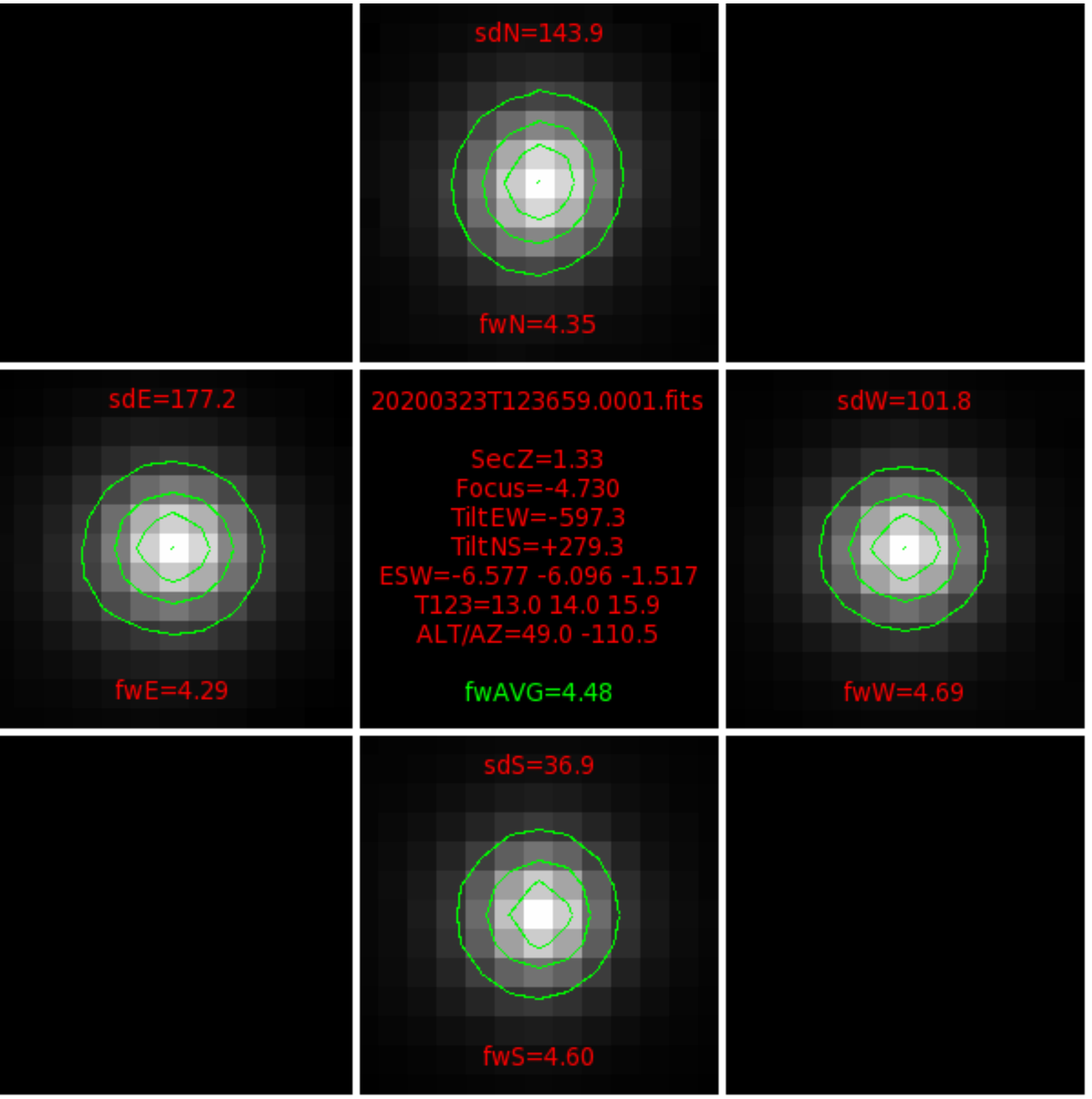
sdN=143.9
fwN=4.35
sdE=177.2
fwE=4.29
20200323T123659.0001.fits
SecZ=1.33
Focus=-4.730
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.577 -6.096 -1.517
T123=13.0 14.0 15.9
ALT/AZ=49.0 -110.5
fwAVG=4.48
sdW=101.8
fwW=4.69
sdS=36.9
fwS=4.60
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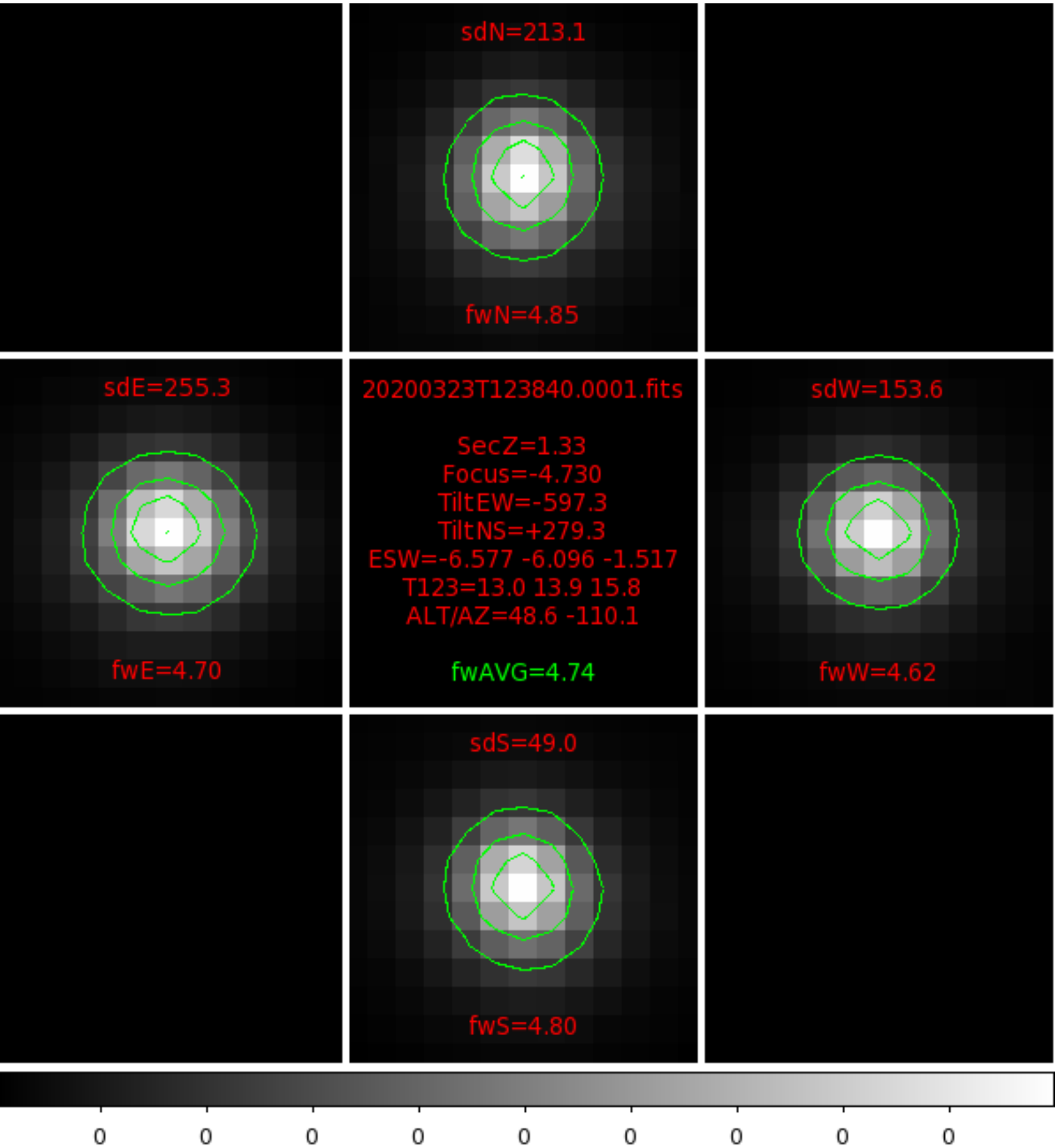
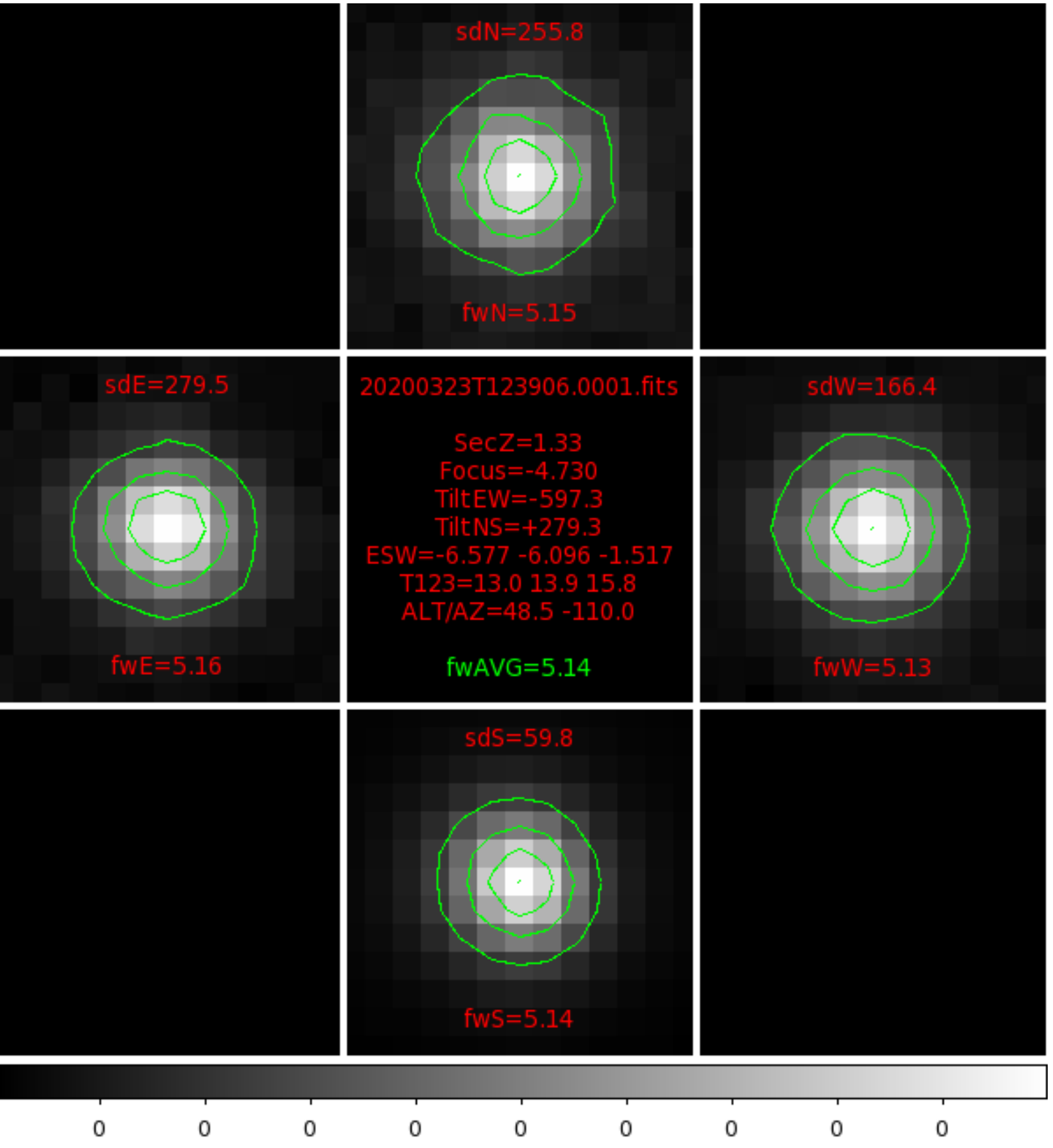

sdN=213.1
fwN=4.85
sdE=255.3
fwE=4.70
20200323T123840.0001.fits
SecZ=1.33
Focus=-4.730
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.577 -6.096 -1.517
T123=13.0 13.9 15.8
ALT/AZ=48.6 -110.1
fwAVG=4.74
sdW=153.6
fwW=4.62
sdS=49.0
fwS=4.80
0 0 0 0 0 0 0 0 0


sdN=255.8
fwN=5.15
sdE=279.5
fwE=5.16
20200323T123906.0001.fits
SecZ=1.33
Focus=-4.730
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.577 -6.096 -1.517
T123=13.0 13.9 15.8
ALT/AZ=48.5 -110.0
fwAVG=5.14
sdW=166.4
fwW=5.13
sdS=59.8
fwS=5.14
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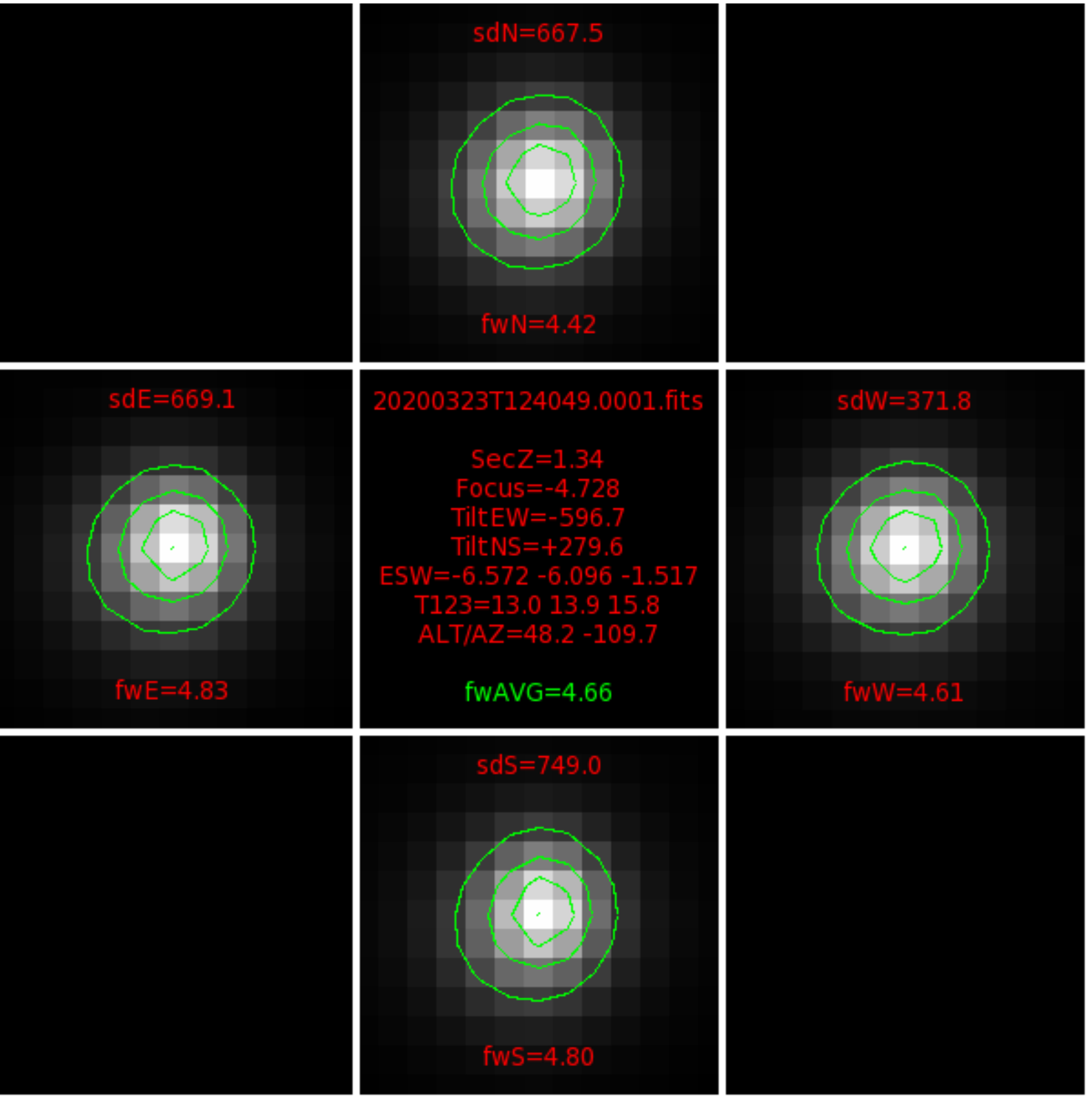
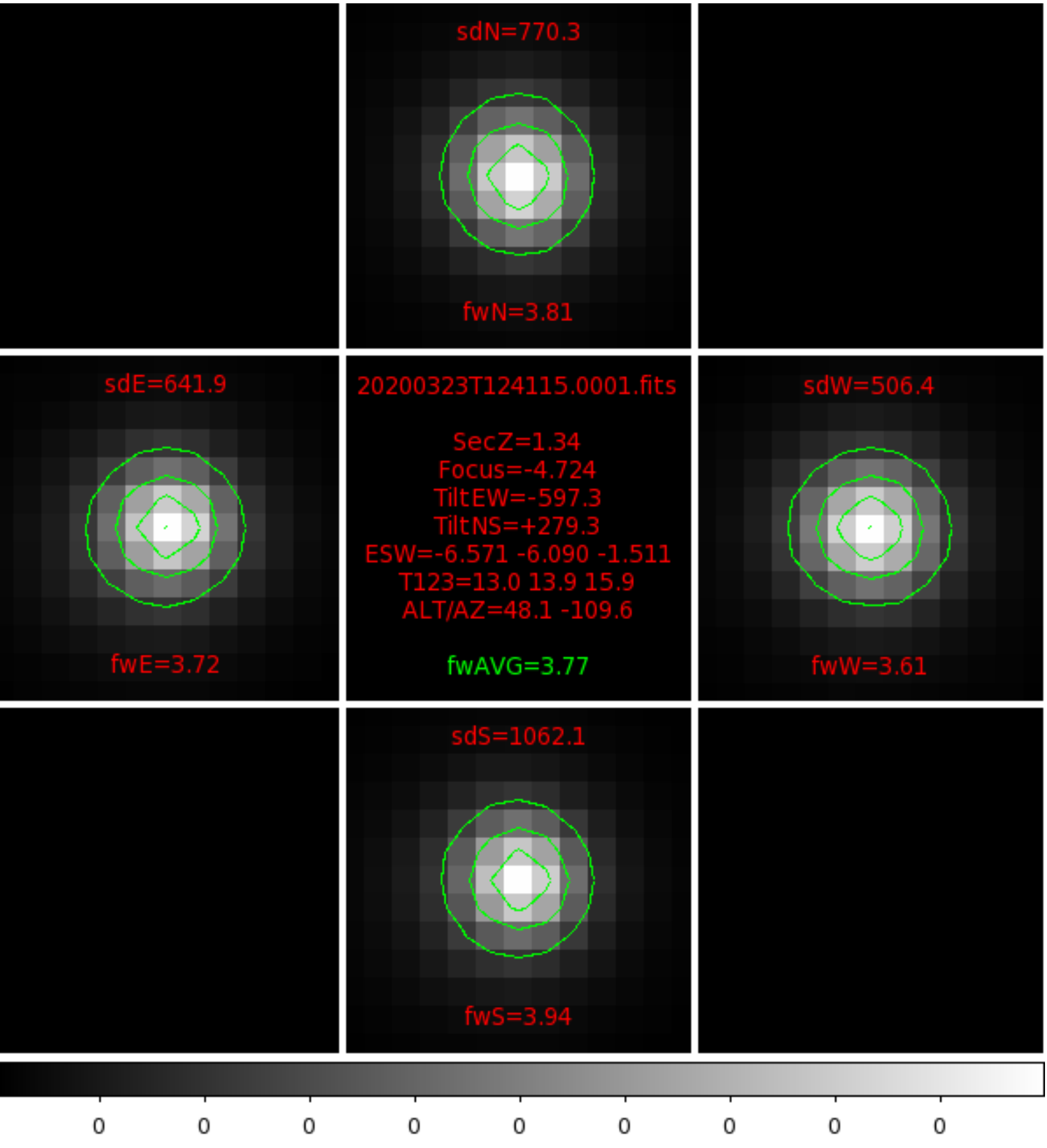

sdN=667.5
fwN=4.42
sdE=669.1
fwE=4.83
20200323T124049.0001.fits
SecZ=1.34
Focus=-4.728
TiltEW=-596.7
TiltNS=+279.6
ESW=-6.572 -6.096 -1.517
T123=13.0 13.9 15.8
ALT/AZ=48.2 -109.7
fwAVG=4.66
sdW=371.8
fwW=4.61
sdS=749.0
fwS=4.80
0 0 0 0 0 0 0 0 0


sdN=770.3
fwN=3.81
sdE=641.9
fwE=3.72
20200323T124115.0001.fits
SecZ=1.34
Focus=-4.724
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.571 -6.090 -1.511
T123=13.0 13.9 15.9
ALT/AZ=48.1 -109.6
fwAVG=3.77
sdW=506.4
fwW=3.61
sdS=1062.1
fwS=3.94
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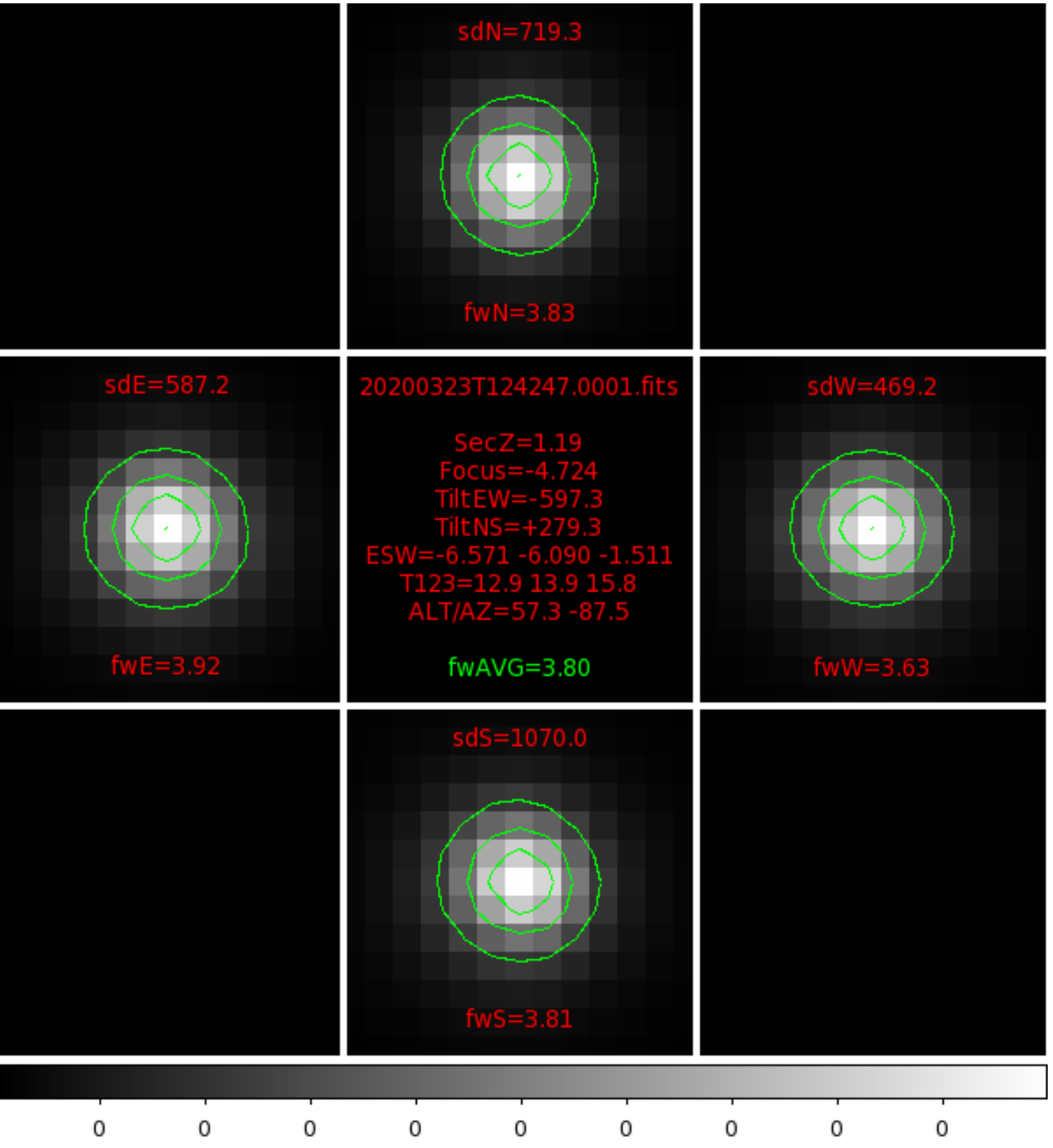
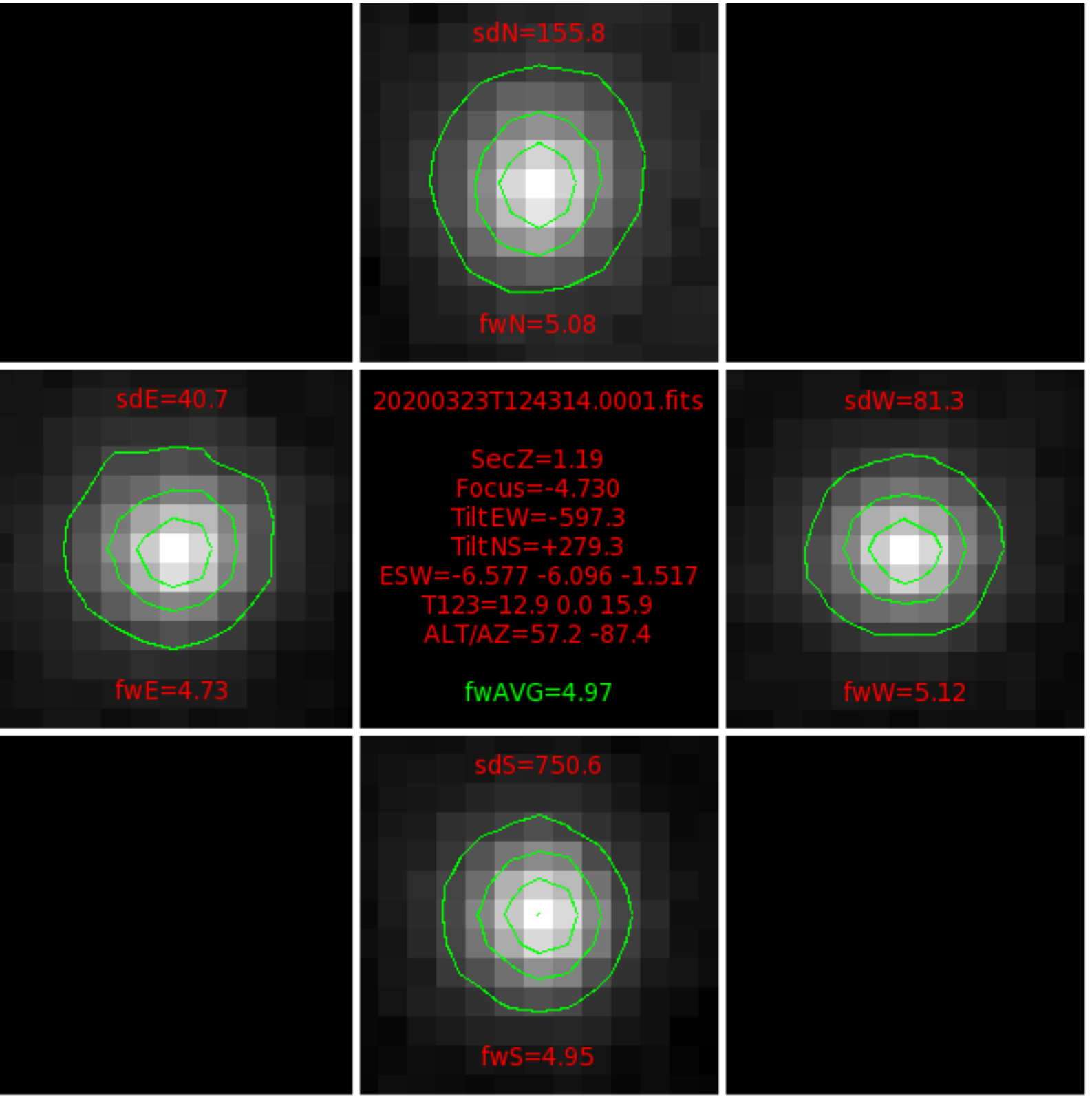
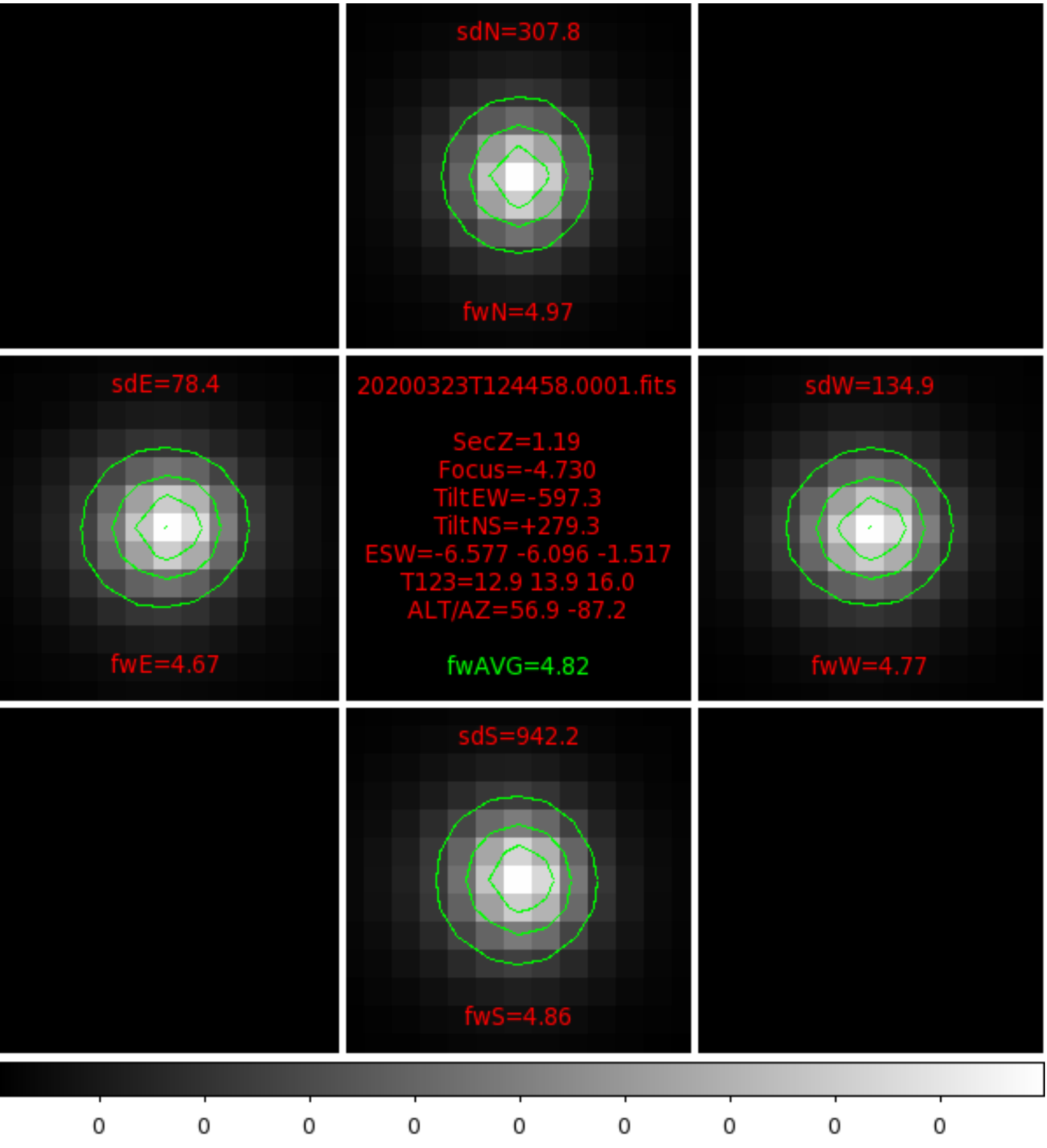

sdN=719.3
fwN=3.83
sdE=587.2
fwE=3.92
20200323T124247.0001.fits
SecZ=1.19
Focus=-4.724
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.571 -6.090 -1.511
T123=12.9 13.9 15.8
ALT/AZ=57.3 -87.5
fwAVG=3.80
sdW=469.2
fwW=3.63
sdS=1070.0
fwS=3.81
0 0 0 0 0 0 0 0 0


sdN=155.8
fwN=5.08
sdE=40.7
fwE=4.73
20200323T124314.0001.fits
SecZ=1.19
Focus=-4.730
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.577 -6.096 -1.517
T123=12.9 0.0 15.9
ALT/AZ=57.2 -87.4
fwAVG=4.97
sdW=81.3
fwW=5.12
sdS=750.6
fwS=4.95
0 0 0 0 0 0 0 0 0


sdN=307.8
fwN=4.97
sdE=78.4
fwE=4.67
20200323T124458.0001.fits
SecZ=1.19
Focus=-4.730
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.577 -6.096 -1.517
T123=12.9 13.9 16.0
ALT/AZ=56.9 -87.2
fwAVG=4.82
sdW=134.9
fwW=4.77
sdS=942.2
fwS=4.86
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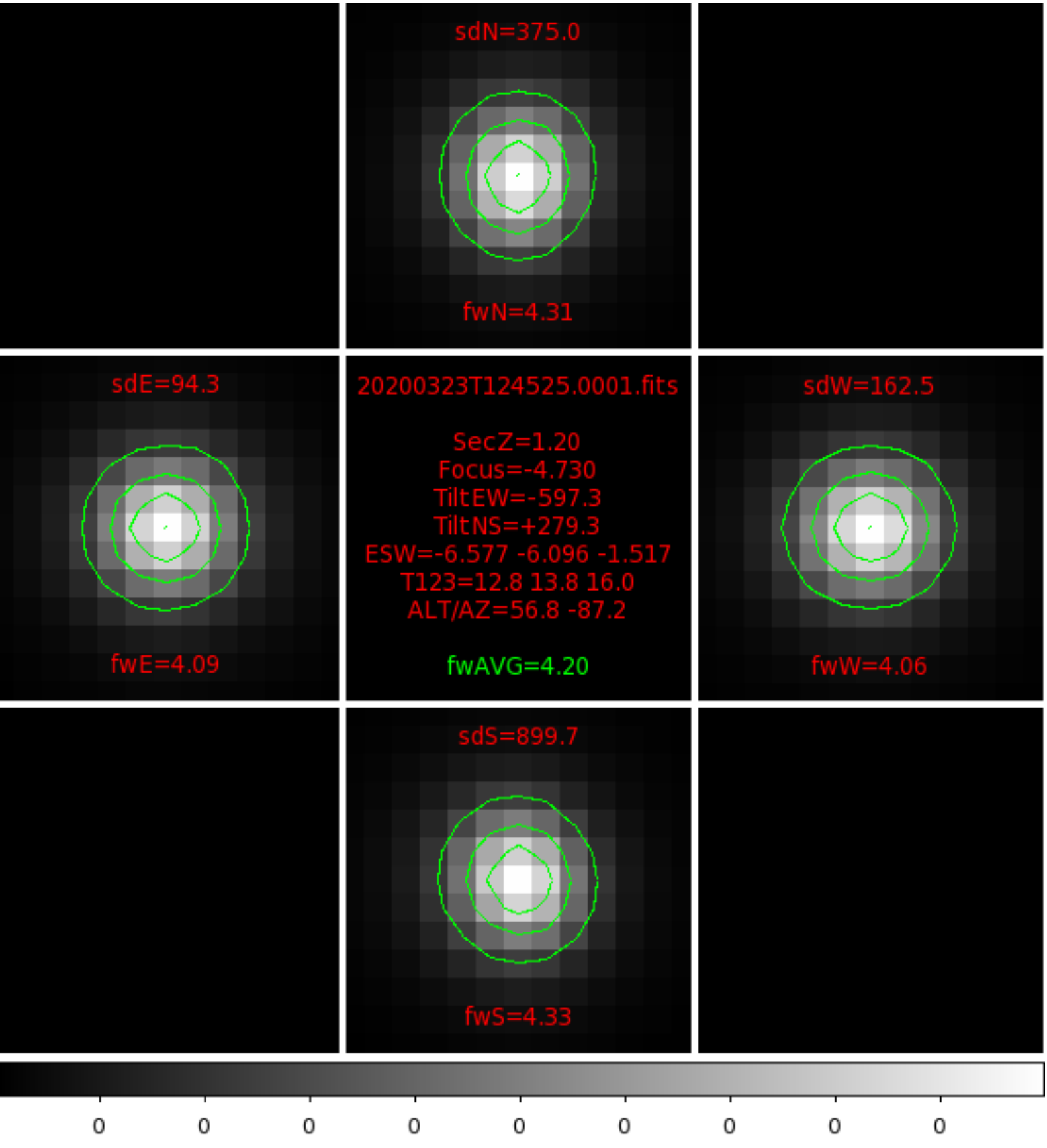
sdN=375.0
fwN=4.31
sdE=94.3
fwE=4.09
20200323T124525.0001.fits
SecZ=1.20
Focus=-4.730
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.577 -6.096 -1.517
T123=12.8 13.8 16.0
ALT/AZ=56.8 -87.2
fwAVG=4.20
sdW=162.5
fwW=4.06
sdS=899.7
fwS=4.33
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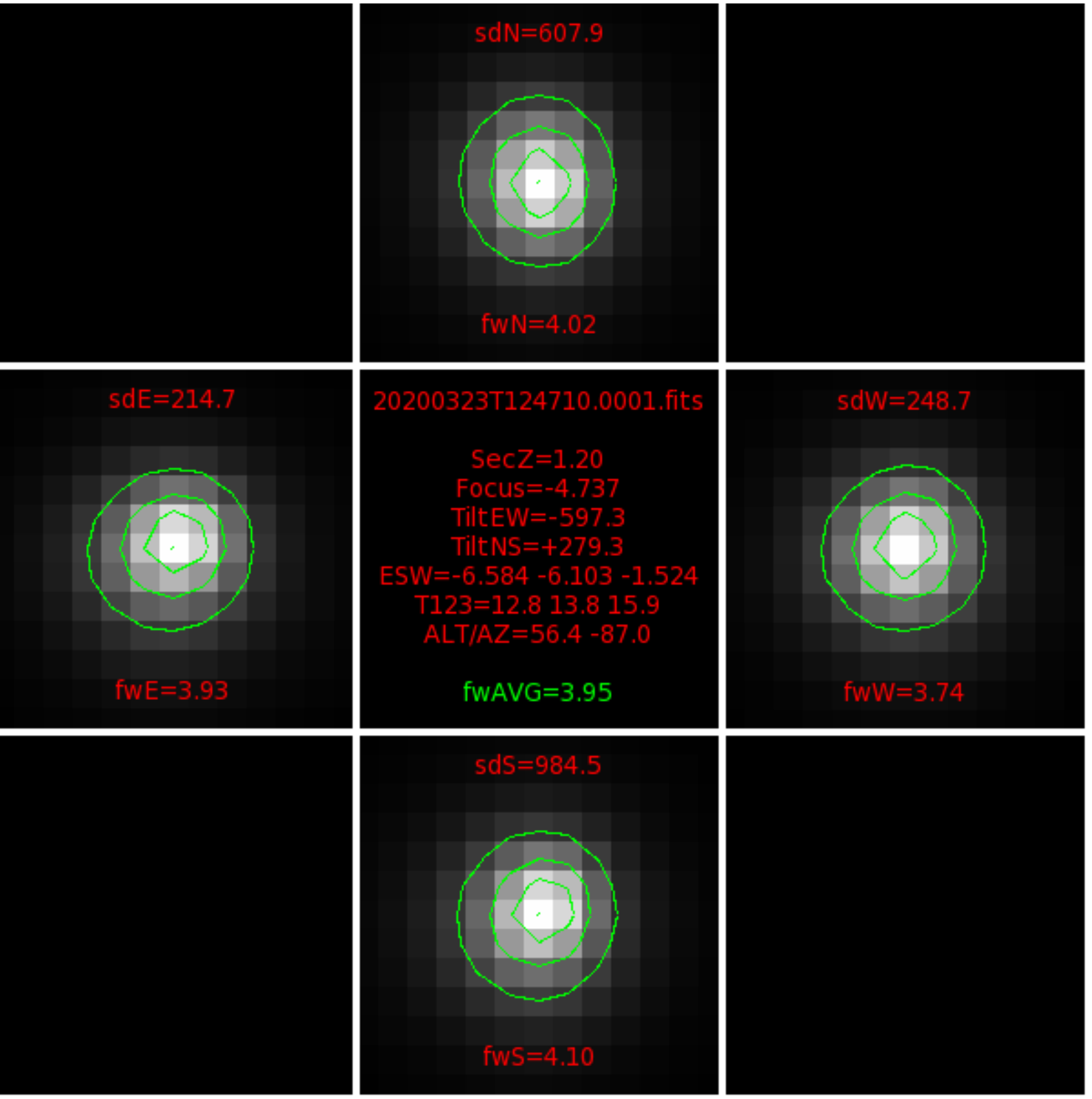
sdN=607.9
fwN=4.02
sdE=214.7
fwE=3.93
20200323T124710.0001.fits
SecZ=1.20
Focus=-4.737
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.584 -6.103 -1.524
T123=12.8 13.8 15.9
ALT/AZ=56.4 -87.0
fwAVG=3.95
sdW=248.7
fwW=3.74
sdS=984.5
fwS=4.10
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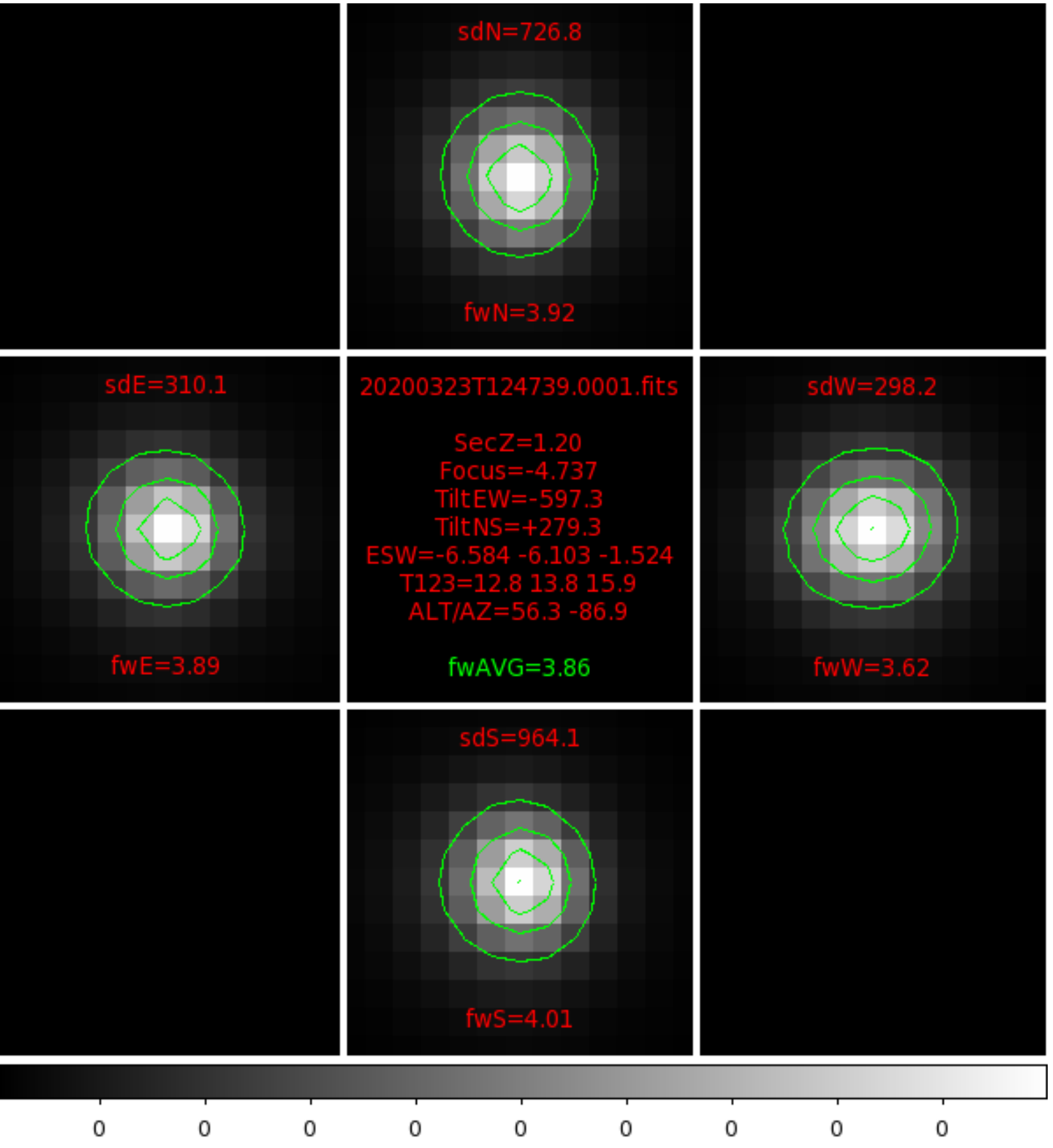
sdN=726.8
fwN=3.92
sdE=310.1
fwE=3.89
20200323T124739.0001.fits
SecZ=1.20
Focus=-4.737
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.584 -6.103 -1.524
T123=12.8 13.8 15.9
ALT/AZ=56.3 -86.9
fwAVG=3.86
sdW=298.2
fwW=3.62
sdS=964.1
fwS=4.01
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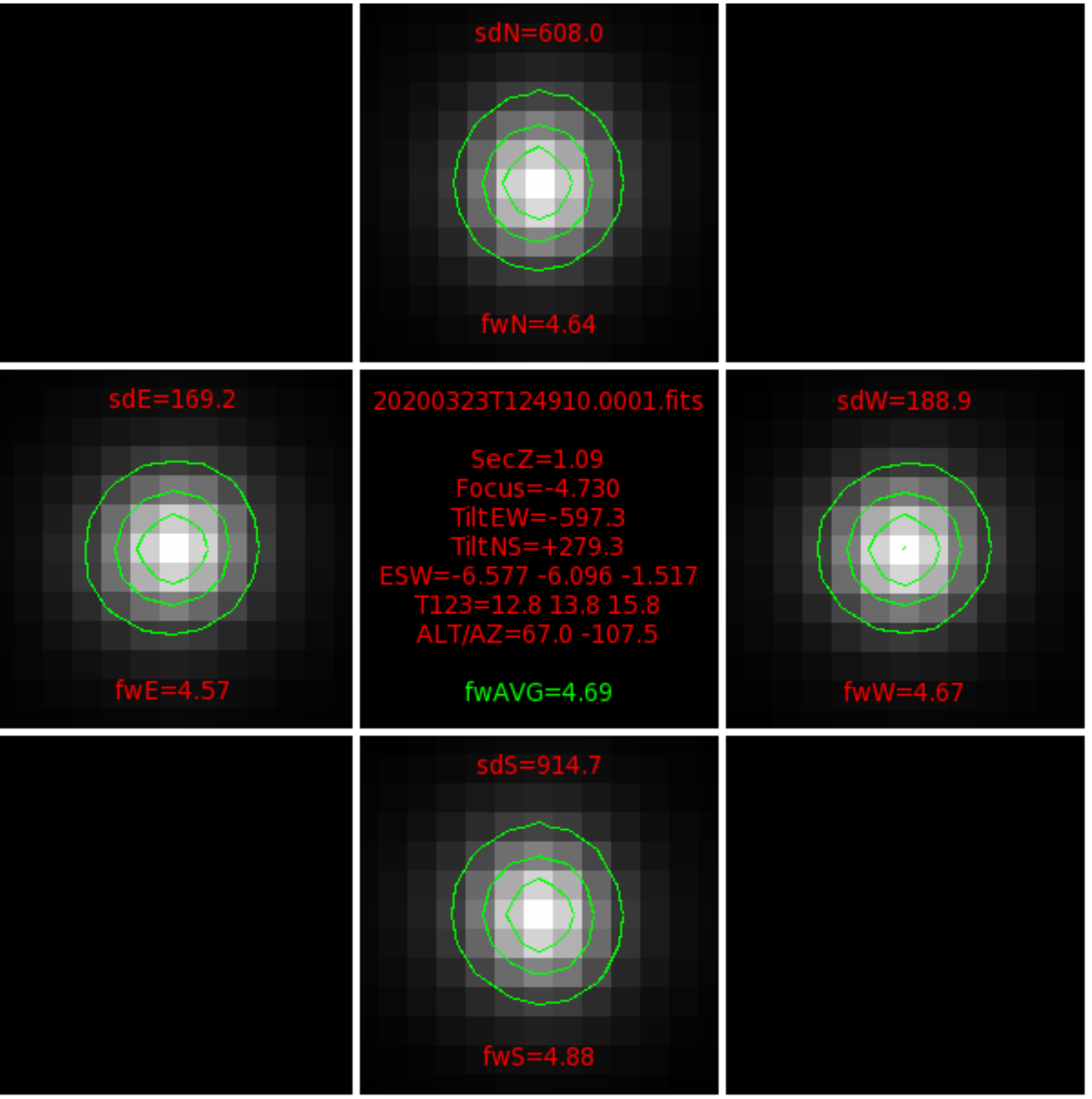
sdN=608.0
fwN=4.64
sdE=169.2
fwE=4.57
20200323T124910.0001.fits
SecZ=1.09
Focus=-4.730
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.577 -6.096 -1.517
T123=12.8 13.8 15.8
ALT/AZ=67.0 -107.5
fwAVG=4.69
sdW=188.9
fwW=4.67
sdS=914.7
fwS=4.88
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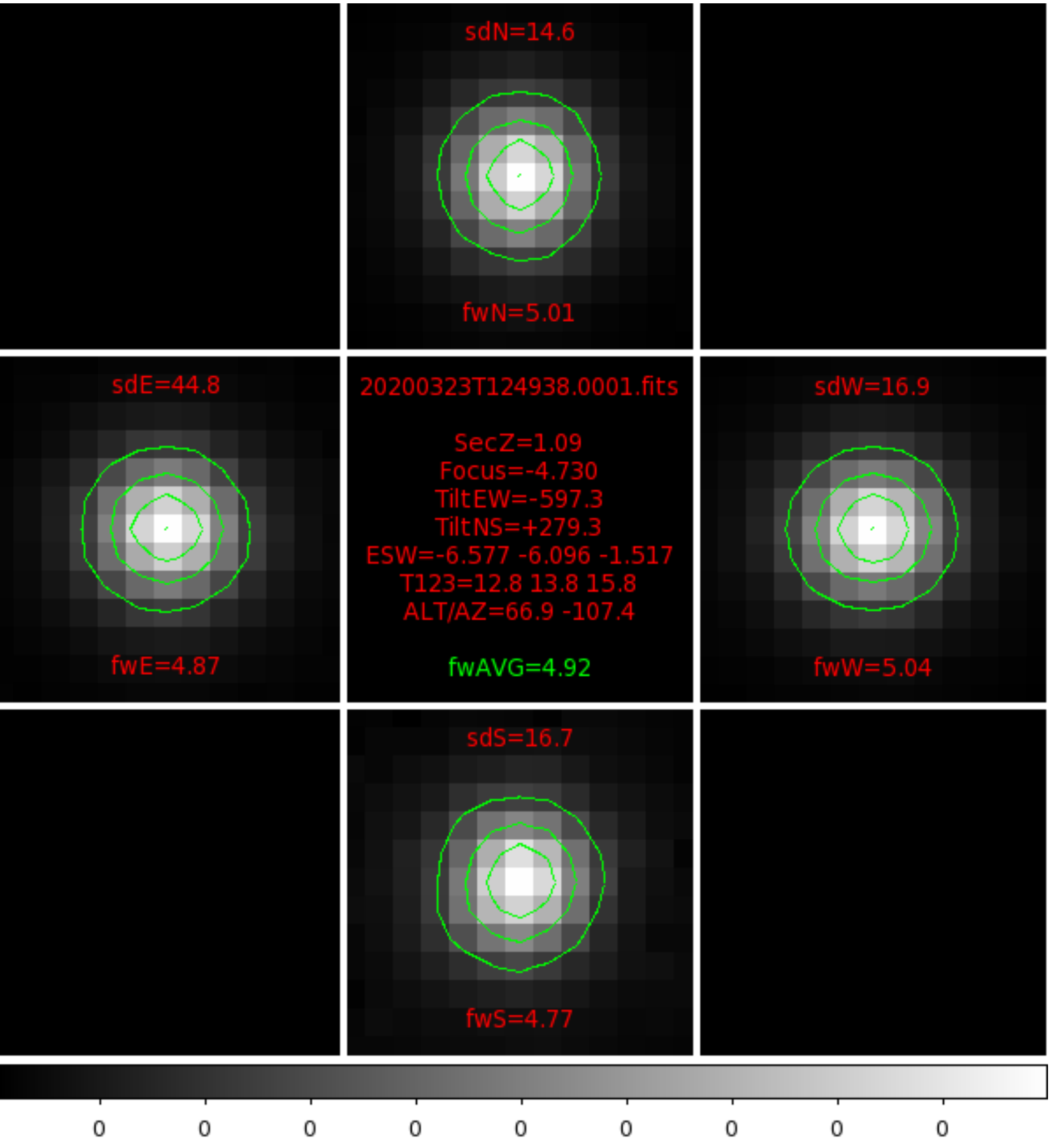
sdN=14.6
fwN=5.01
sdE=44.8
fwE=4.87
20200323T124938.0001.fits
SecZ=1.09
Focus=-4.730
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.577 -6.096 -1.517
T123=12.8 13.8 15.8
ALT/AZ=66.9 -107.4
fwAVG=4.92
sdW=16.9
fwW=5.04
sdS=16.7
fwS=4.77
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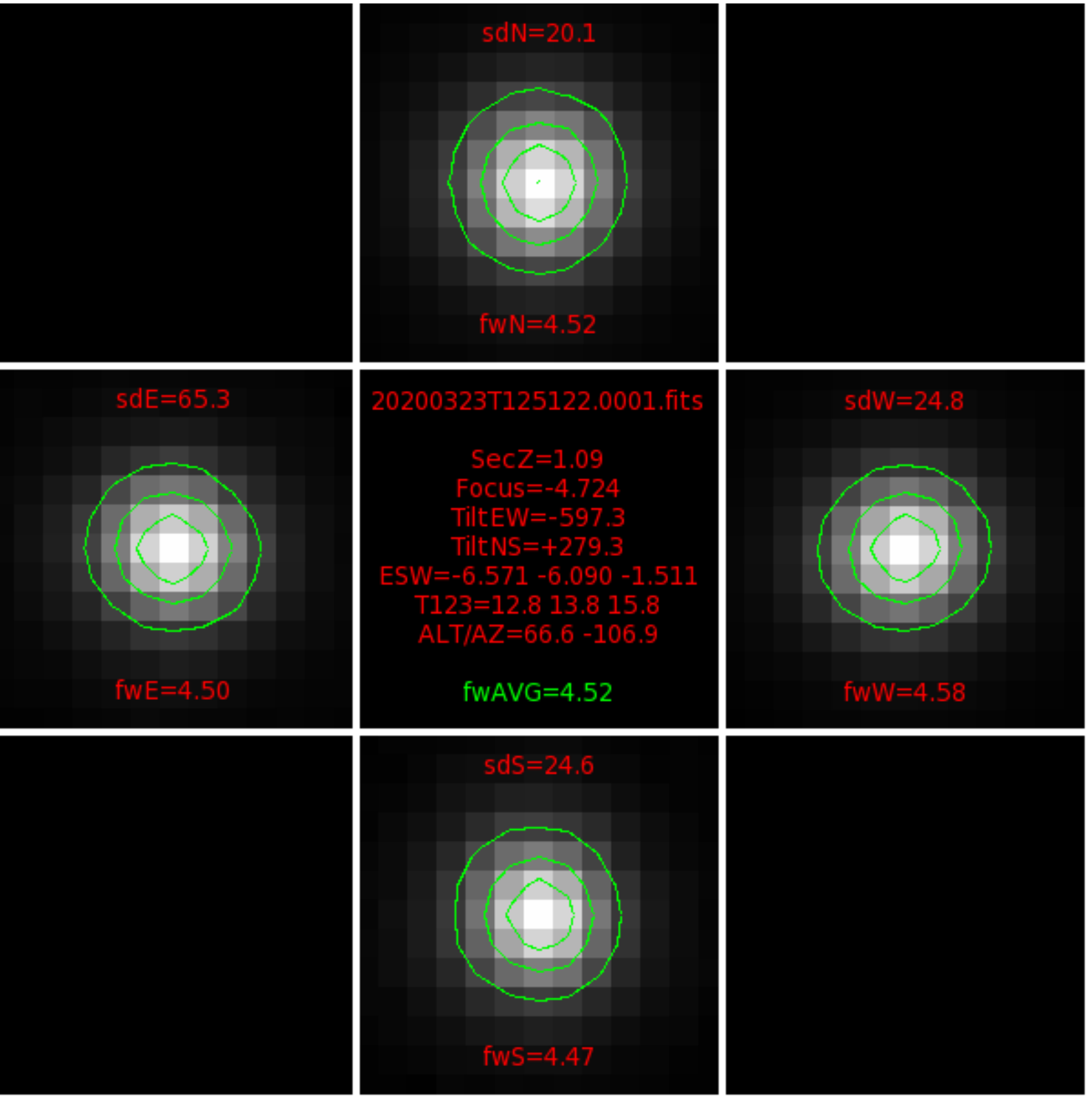
sdN=20.1
fwN=4.52
sdE=65.3
fwE=4.50
20200323T125122.0001.fits
SecZ=1.09
Focus=-4.724
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.571 -6.090 -1.511
T123=12.8 13.8 15.8
ALT/AZ=66.6 -106.9
fwAVG=4.52
sdW=24.8
fwW=4.58
sdS=24.6
fwS=4.47
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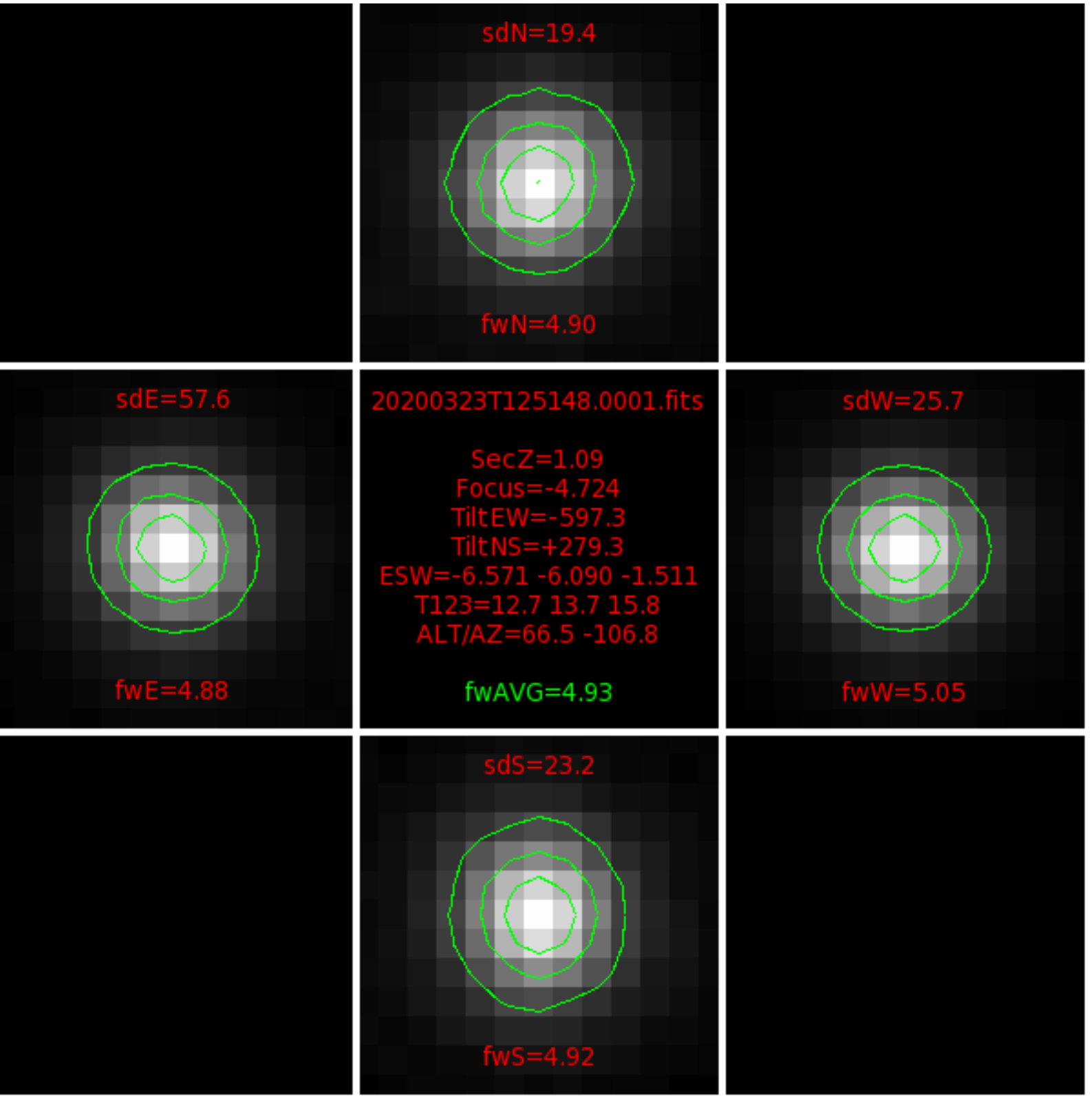
sdN=19.4
fwN=4.90
sdE=57.6
fwE=4.88
20200323T125148.0001.fits
SecZ=1.09
Focus=-4.724
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.571 -6.090 -1.511
T123=12.7 13.7 15.8
ALT/AZ=66.5 -106.8
fwAVG=4.93
sdW=25.7
fwW=5.05
sdS=23.2
fwS=4.92
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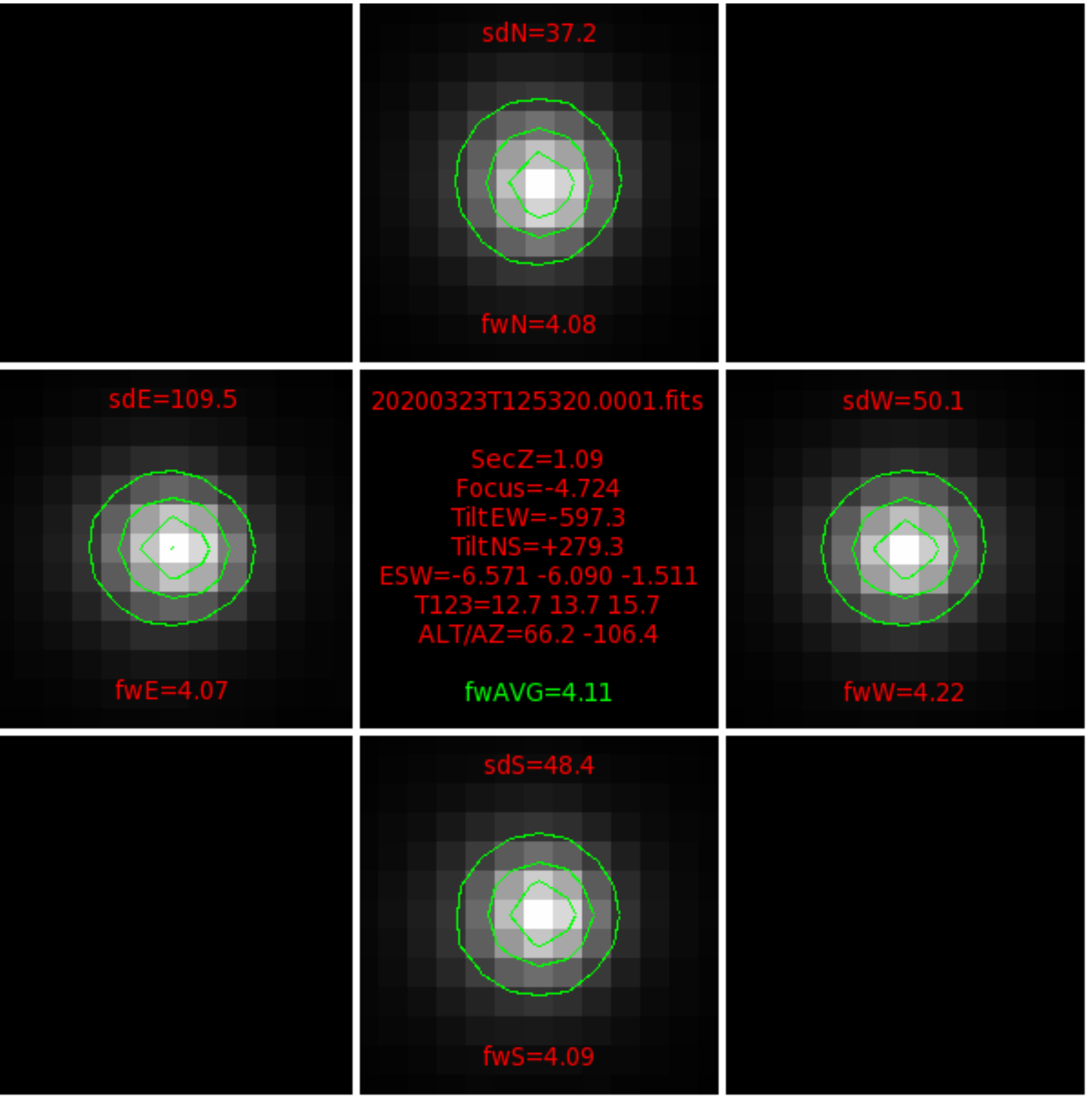
sdN=37.2
fwN=4.08
sdE=109.5
fwE=4.07
20200323T125320.0001.fits
SecZ=1.09
Focus=-4.724
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.571 -6.090 -1.511
T123=12.7 13.7 15.7
ALT/AZ=66.2 -106.4
fwAVG=4.11
sdW=50.1
fwW=4.22
sdS=48.4
fwS=4.09
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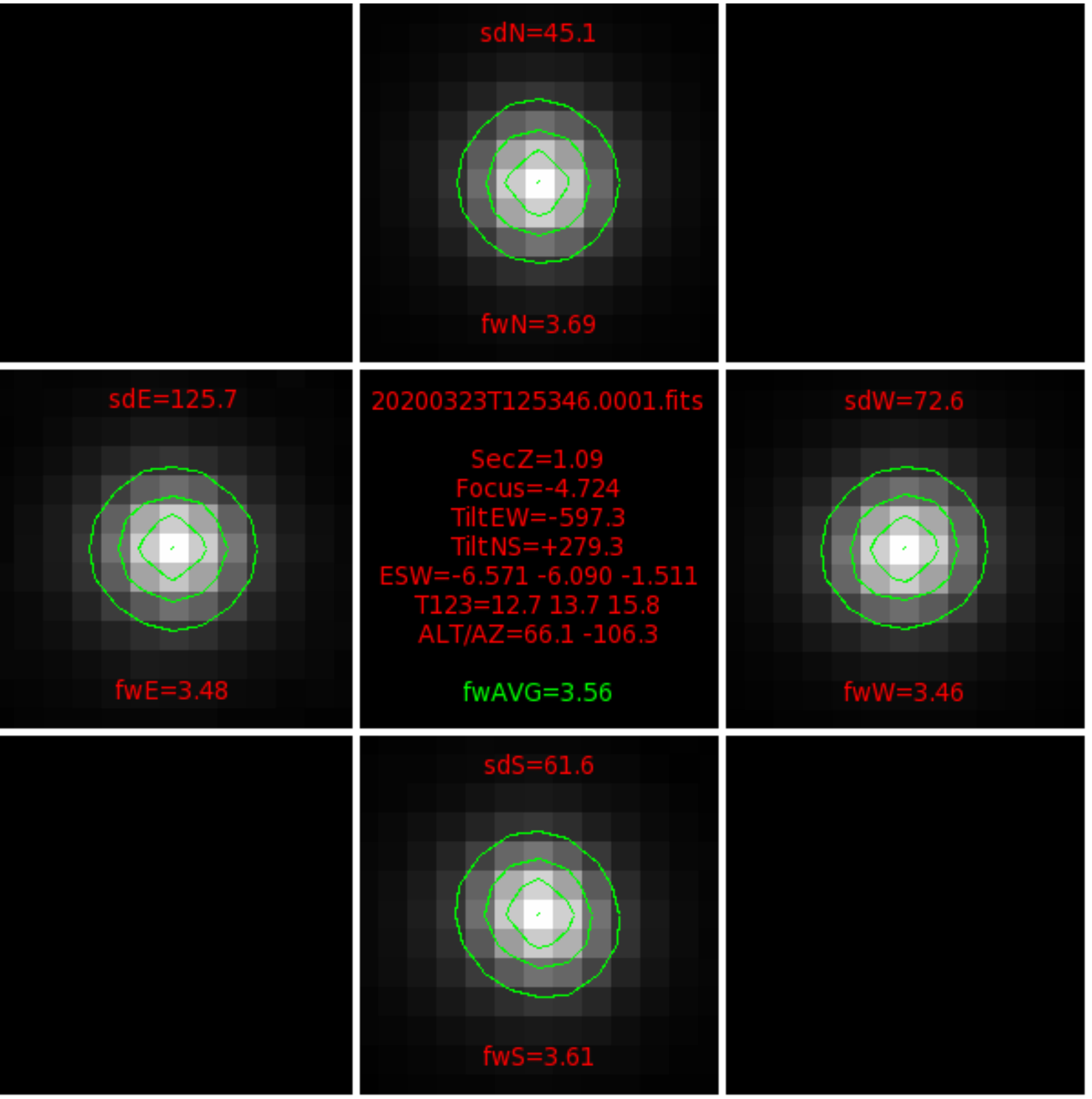
sdN=45.1
fwN=3.69
sdE=125.7
fwE=3.48
20200323T125346.0001.fits
SecZ=1.09
Focus=-4.724
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.571 -6.090 -1.511
T123=12.7 13.7 15.8
ALT/AZ=66.1 -106.3
fwAVG=3.56
sdW=72.6
fwW=3.46
sdS=61.6
fwS=3.61
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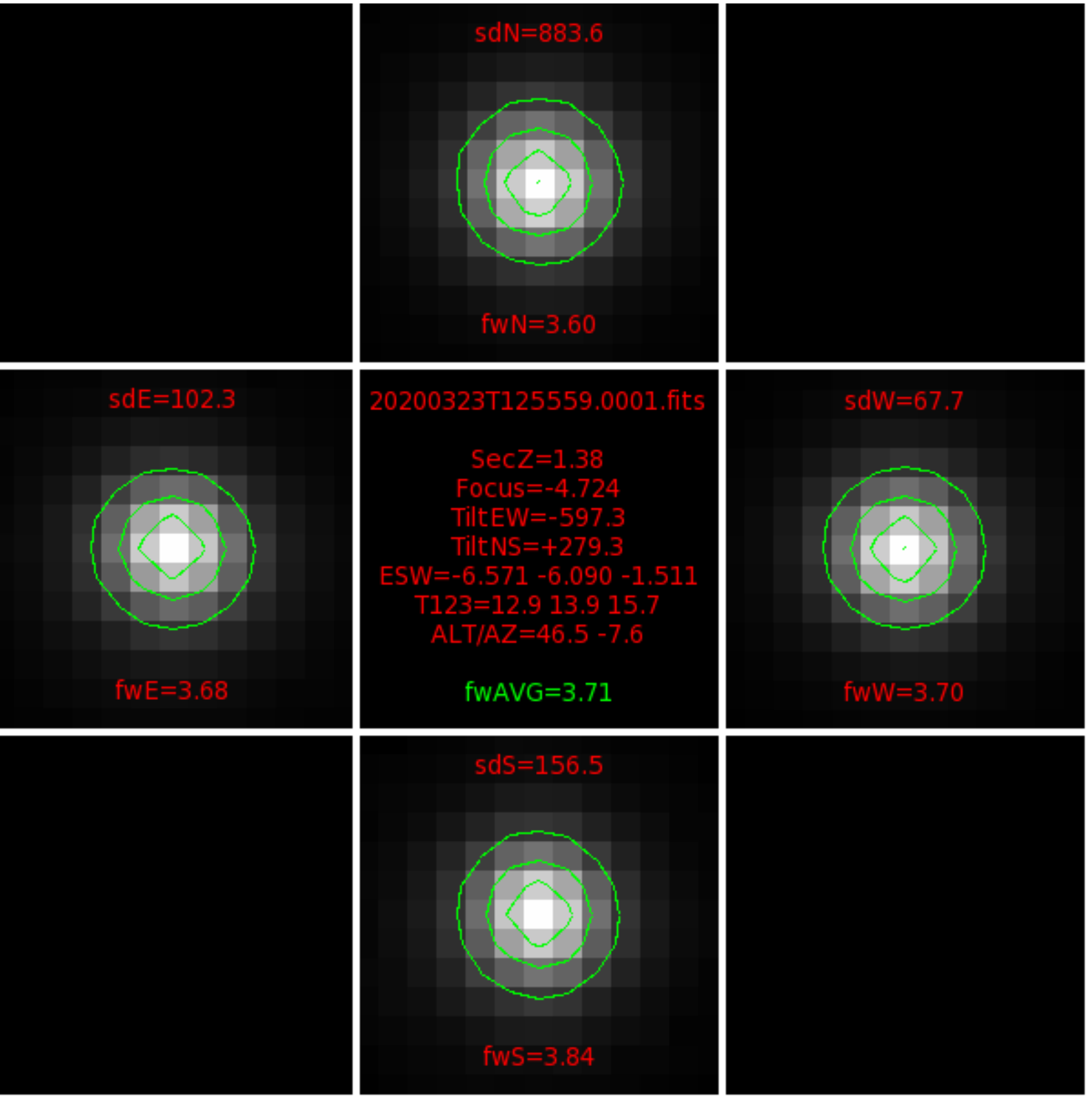
sdN=883.6
fwN=3.60
sdE=102.3
fwE=3.68
20200323T125559.0001.fits
SecZ=1.38
Focus=-4.724
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.571 -6.090 -1.511
T123=12.9 13.9 15.7
ALT/AZ=46.5 -7.6
fwAVG=3.71
sdW=67.7
fwW=3.70
sdS=156.5
fwS=3.84
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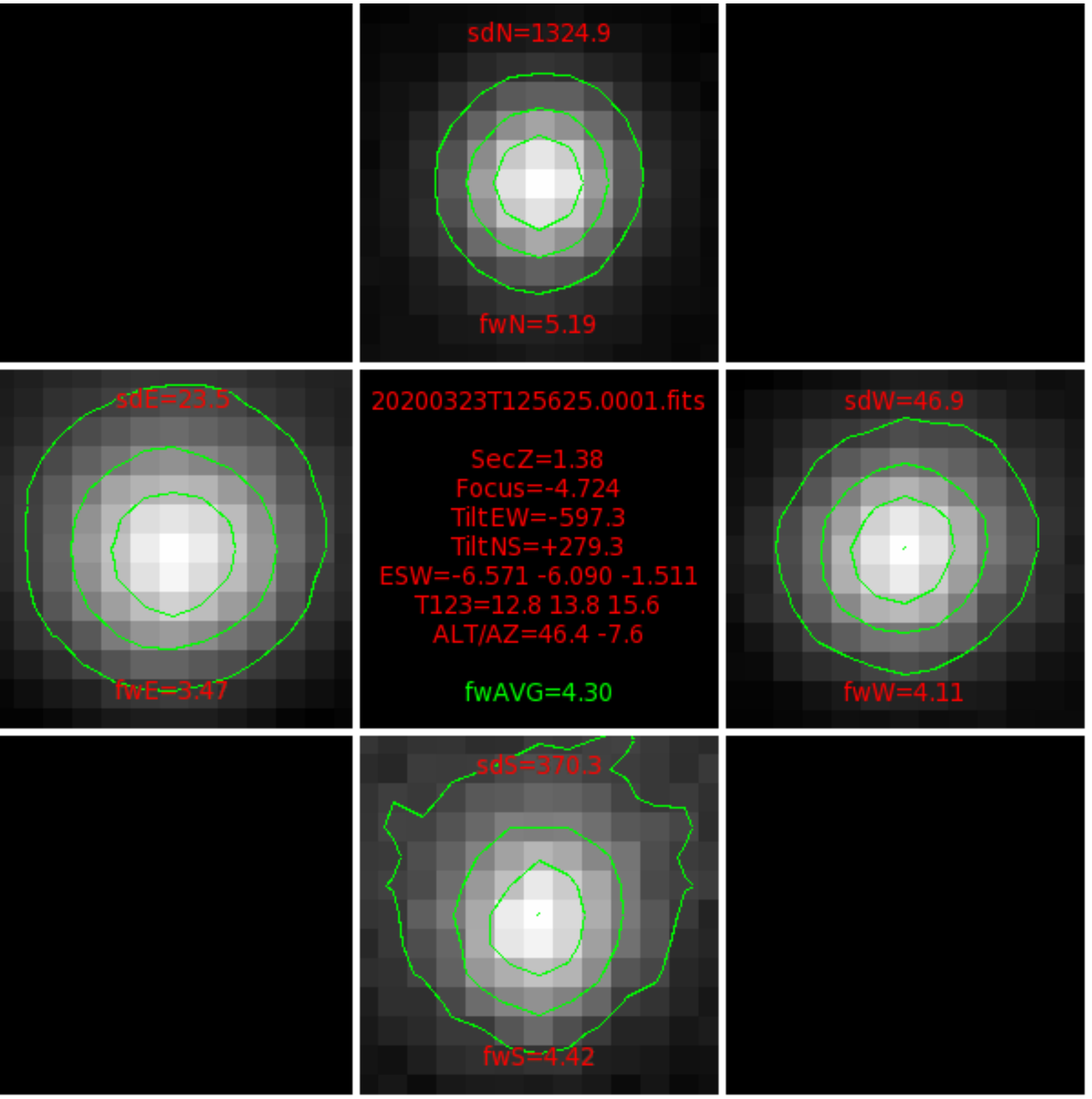
sdN=1324.9
fwN=5.19
sdE=23.5
fwE=3.47
20200323T125625.0001.fits
SecZ=1.38
Focus=-4.724
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.571 -6.090 -1.511
T123=12.8 13.8 15.6
ALT/AZ=46.4 -7.6
fwAVG=4.30
sdW=46.9
fwW=4.11
sdS=370.3
fwS=4.42
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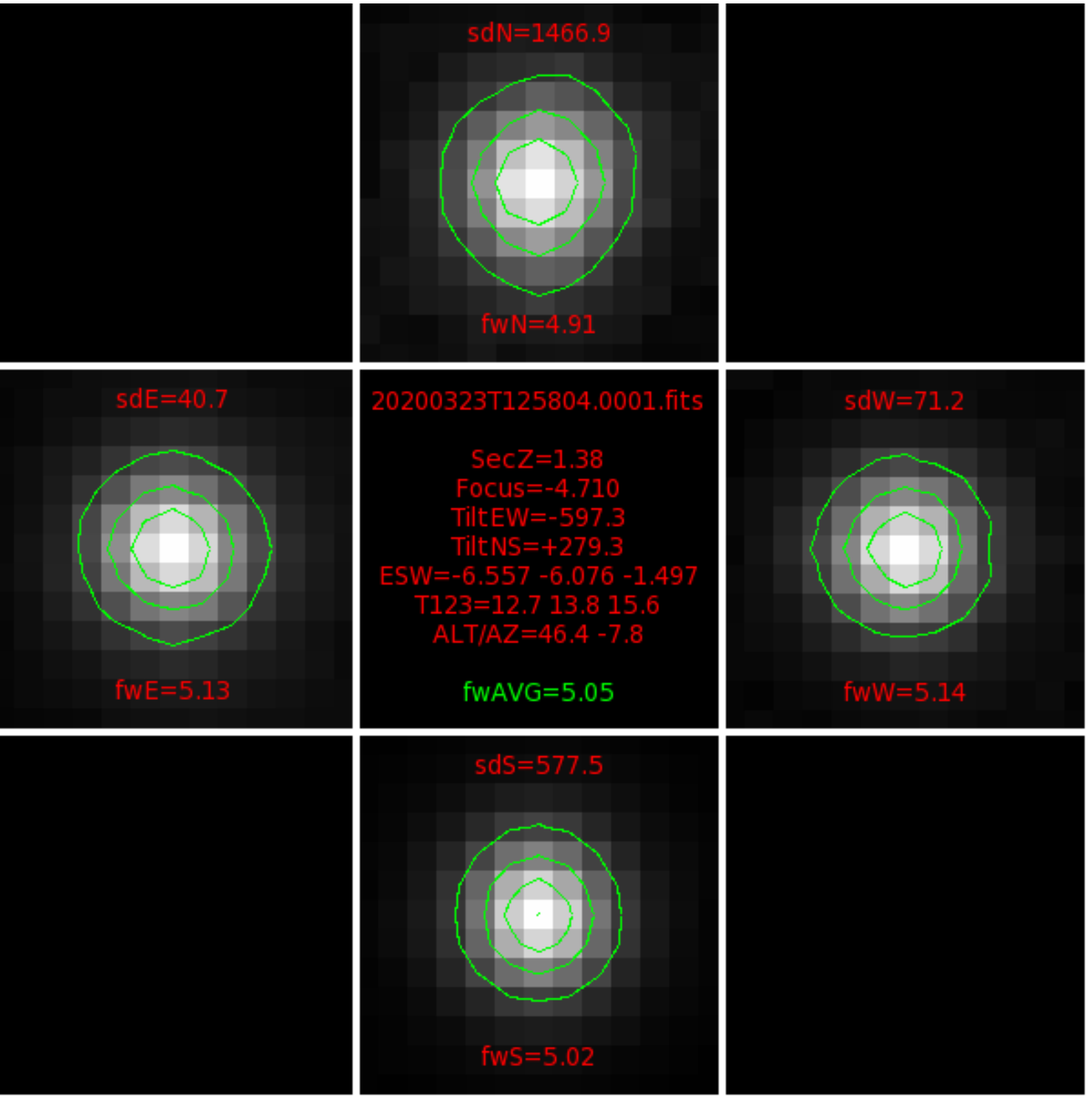
sdN=1466.9
fwN=4.91
sdE=40.7
fwE=5.13
20200323T125804.0001.fits
SecZ=1.38
Focus=-4.710
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.557 -6.076 -1.497
T123=12.7 13.8 15.6
ALT/AZ=46.4 -7.8
fwAVG=5.05
sdW=71.2
fwW=5.14
sdS=577.5
fwS=5.02
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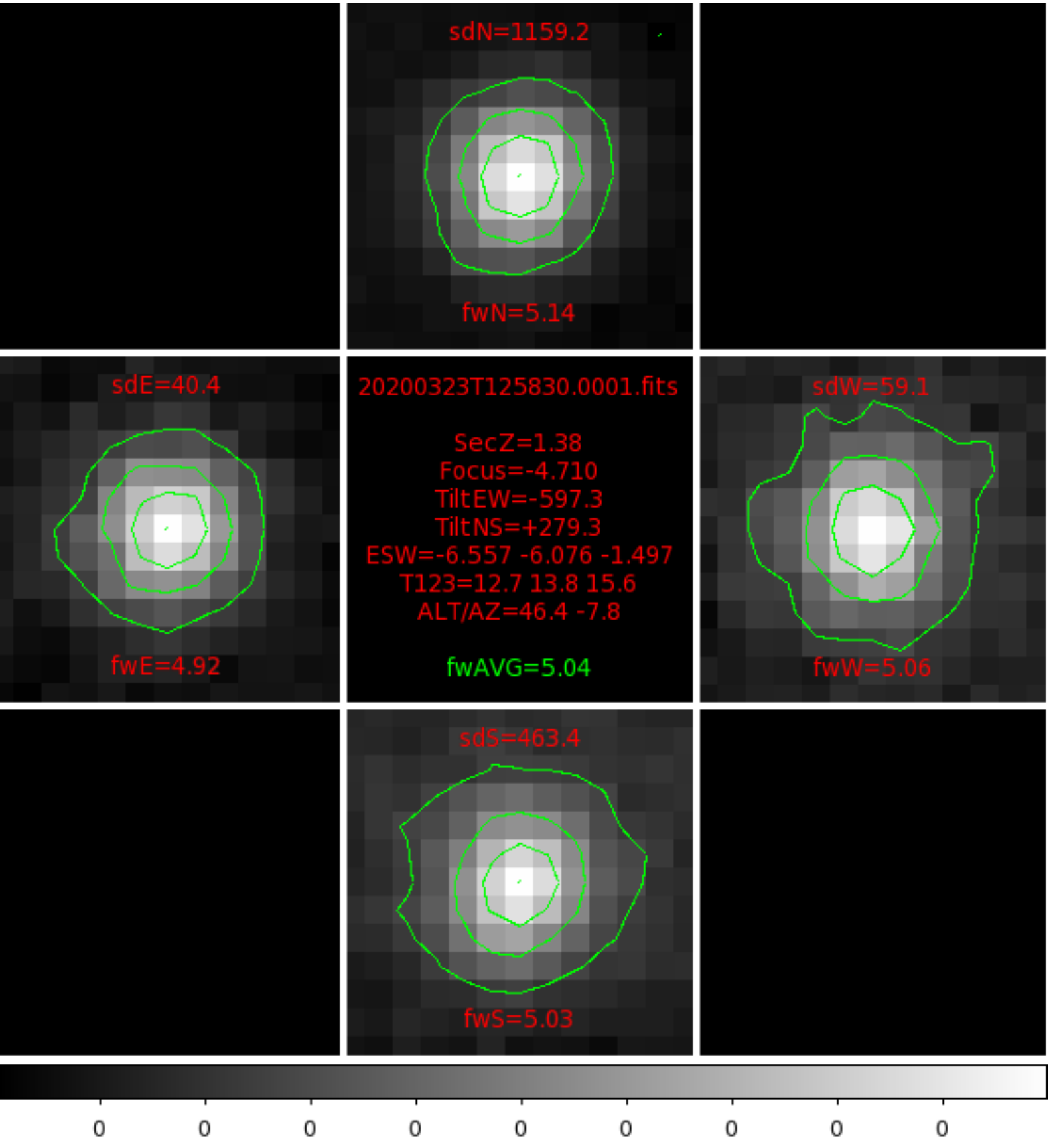
sdN=1159.2
fwN=5.14
sdE=40.4
fwE=4.92
20200323T125830.0001.fits
SecZ=1.38
Focus=-4.710
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.557 -6.076 -1.497
T123=12.7 13.8 15.6
ALT/AZ=46.4 -7.8
fwAVG=5.04
sdW=59.1
fwW=5.06
sdS=463.4
fwS=5.03
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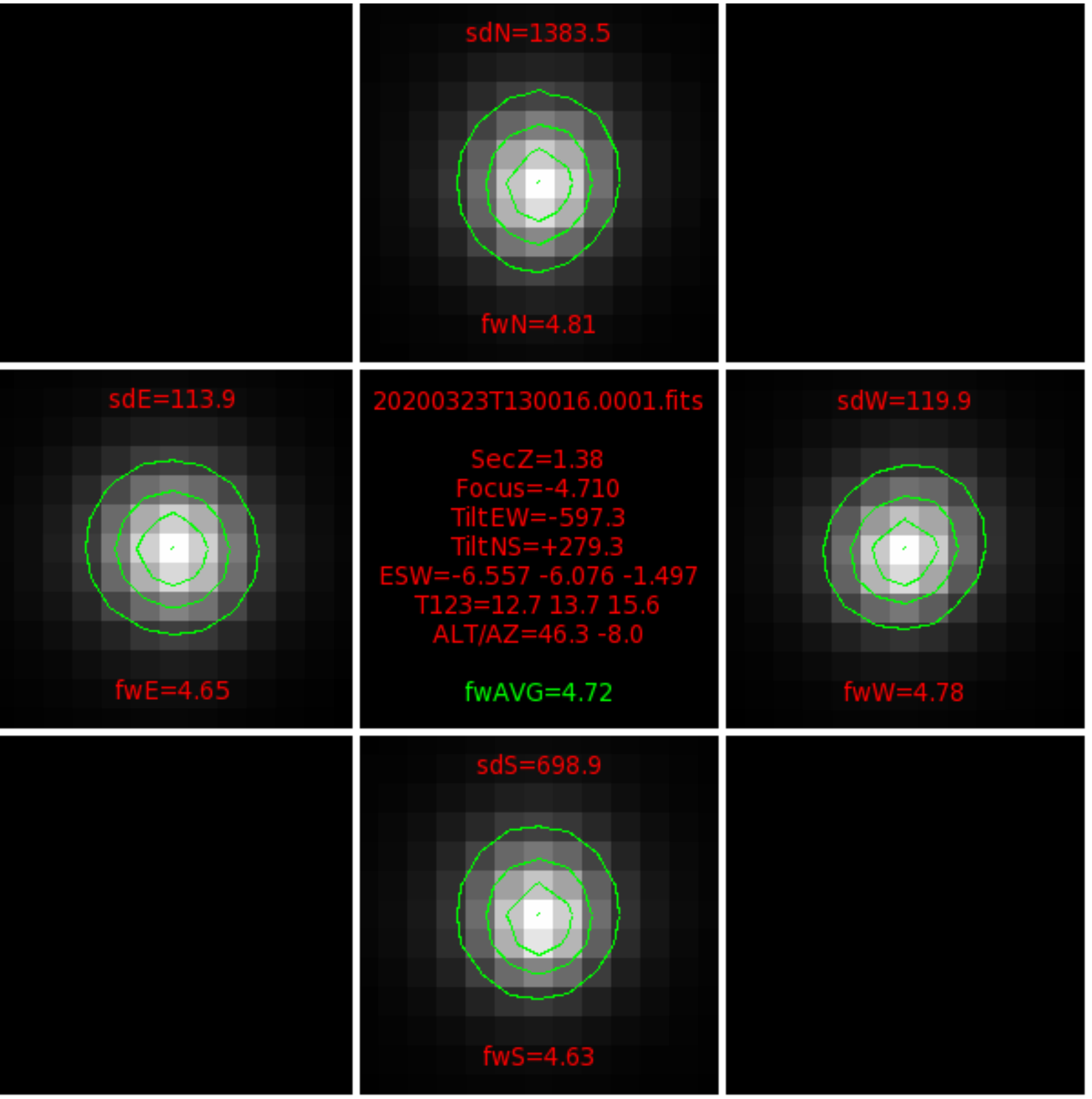
sdN=1383.5
fwN=4.81
sdE=113.9
fwE=4.65
20200323T130016.0001.fits
SecZ=1.38
Focus=-4.710
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.557 -6.076 -1.497
T123=12.7 13.7 15.6
ALT/AZ=46.3 -8.0
fwAVG=4.72
sdW=119.9
fwW=4.78
sdS=698.9
fwS=4.63
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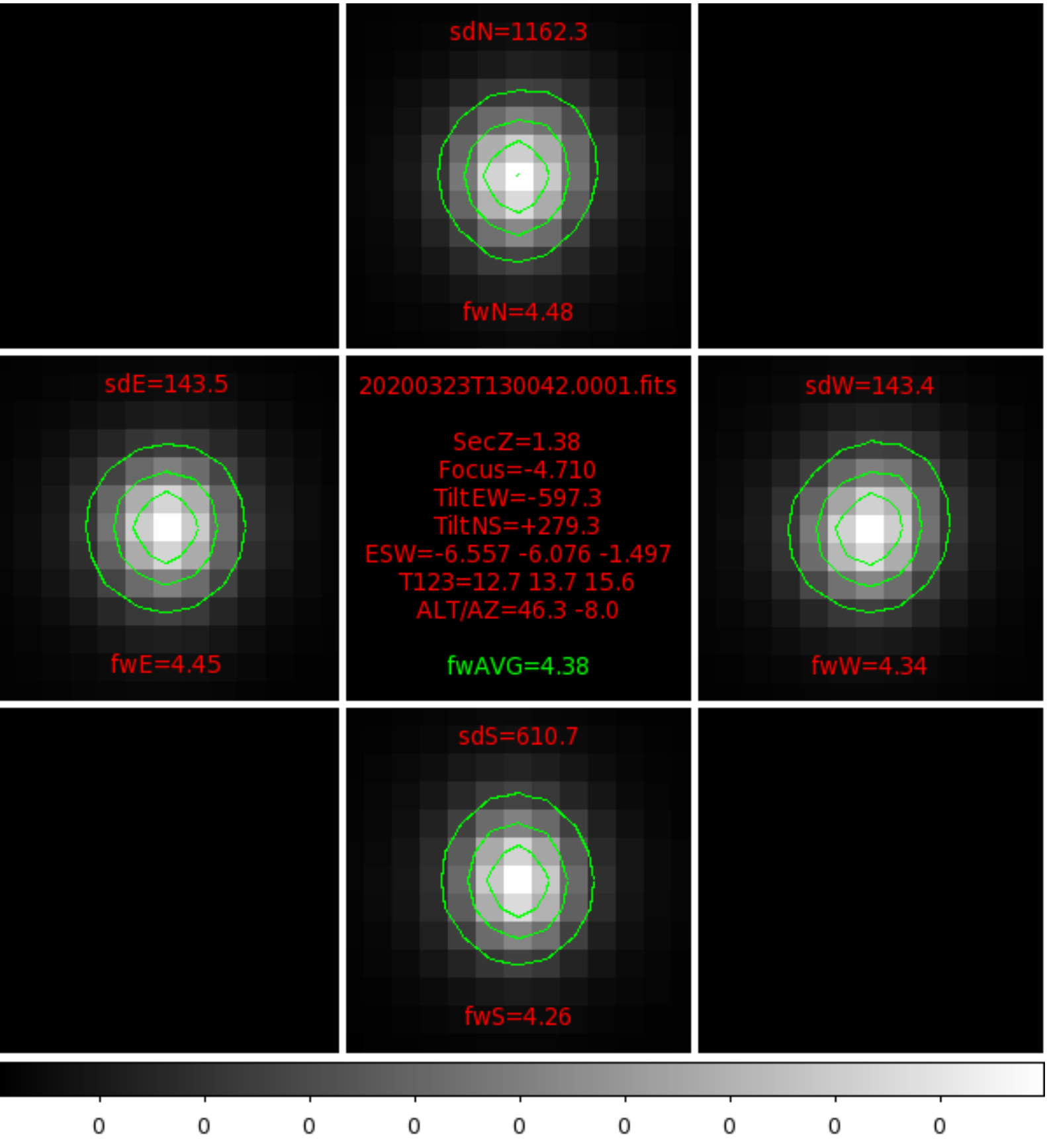
sdN=1162.3
fwN=4.48
sdE=143.5
fwE=4.45
20200323T130042.0001.fits
SecZ=1.38
Focus=-4.710
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.557 -6.076 -1.497
T123=12.7 13.7 15.6
ALT/AZ=46.3 -8.0
fwAVG=4.38
sdW=143.4
fwW=4.34
sdS=610.7
fwS=4.26
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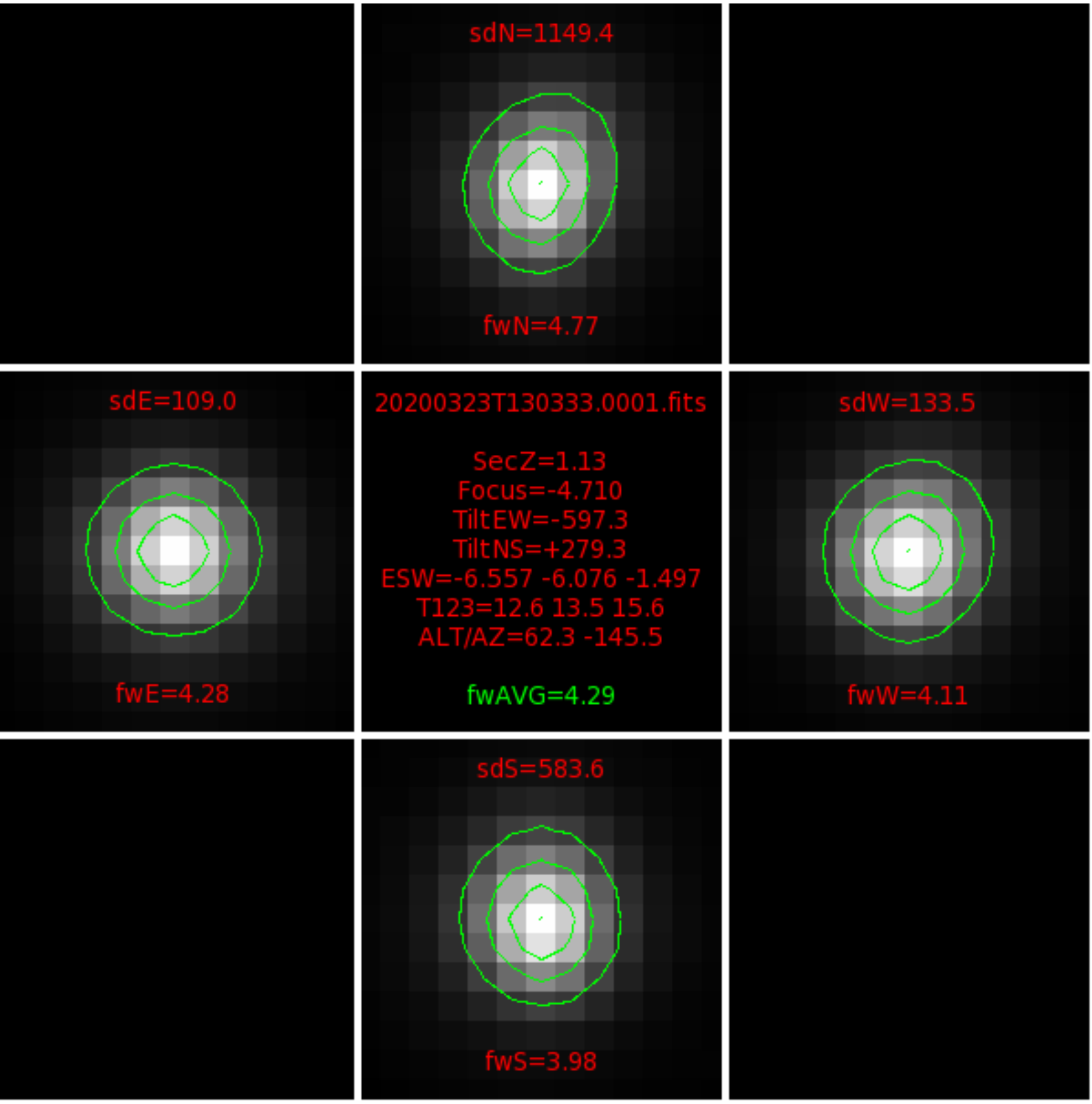
sdN=1149.4
fwN=4.77
sdE=109.0
fwE=4.28
20200323T130333.0001.fits
SecZ=1.13
Focus=-4.710
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.557 -6.076 -1.497
T123=12.6 13.5 15.6
ALT/AZ=62.3 -145.5
fwAVG=4.29
sdW=133.5
fwW=4.11
sdS=583.6
fwS=3.98
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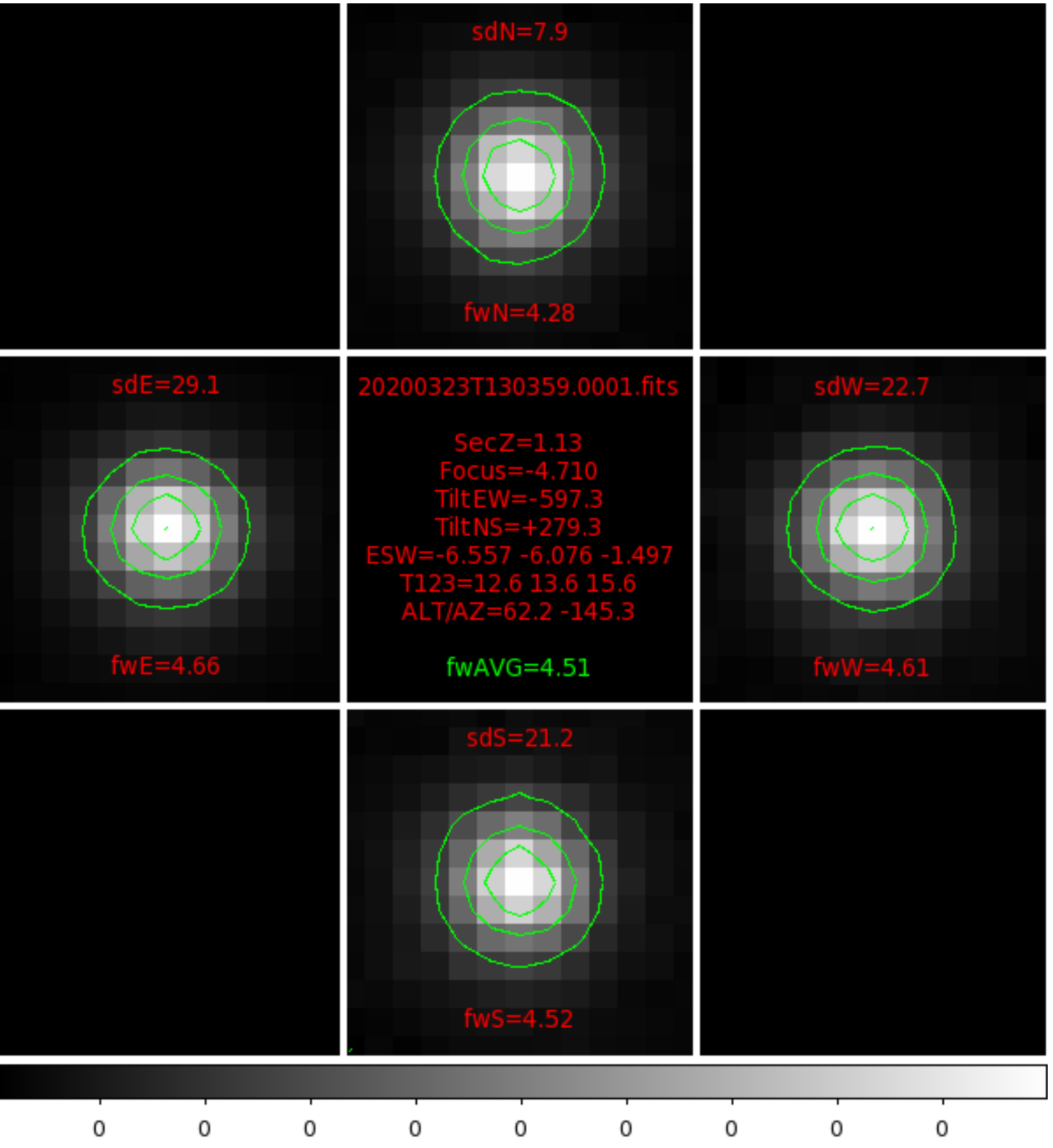
sdN=7.9
fwN=4.28
sdE=29.1
fwE=4.66
20200323T130359.0001.fits
SecZ=1.13
Focus=-4.710
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.557 -6.076 -1.497
T123=12.6 13.6 15.6
ALT/AZ=62.2 -145.3
fwAVG=4.51
sdW=22.7
fwW=4.61
sdS=21.2
fwS=4.52
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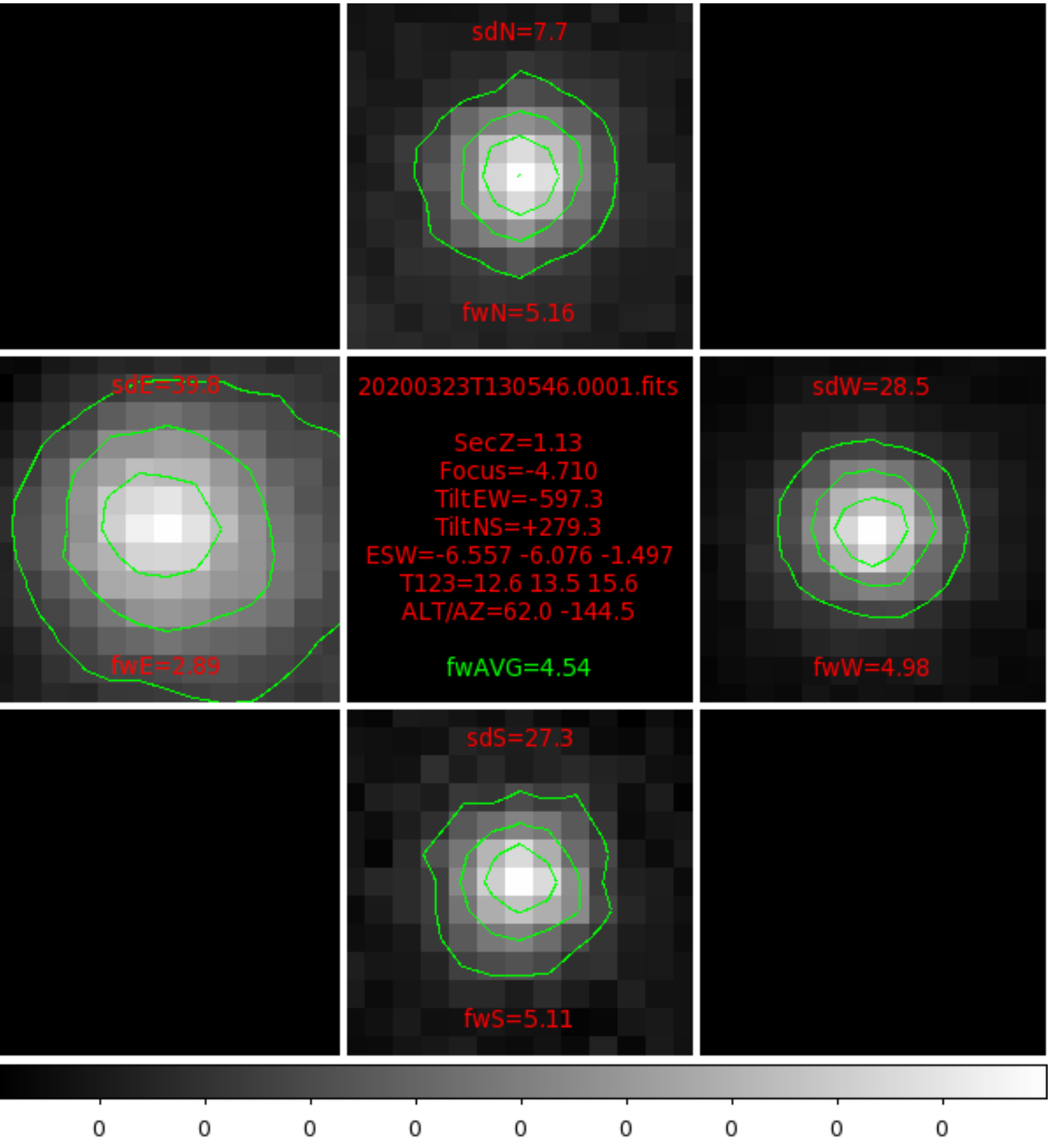
sdN=7.7
fwN=5.16
sdE=39.8
fwE=2.89
20200323T130546.0001.fits
SecZ=1.13
Focus=-4.710
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.557 -6.076 -1.497
T123=12.6 13.5 15.6
ALT/AZ=62.0 -144.5
fwAVG=4.54
sdW=28.5
fwW=4.98
sdS=27.3
fwS=5.11
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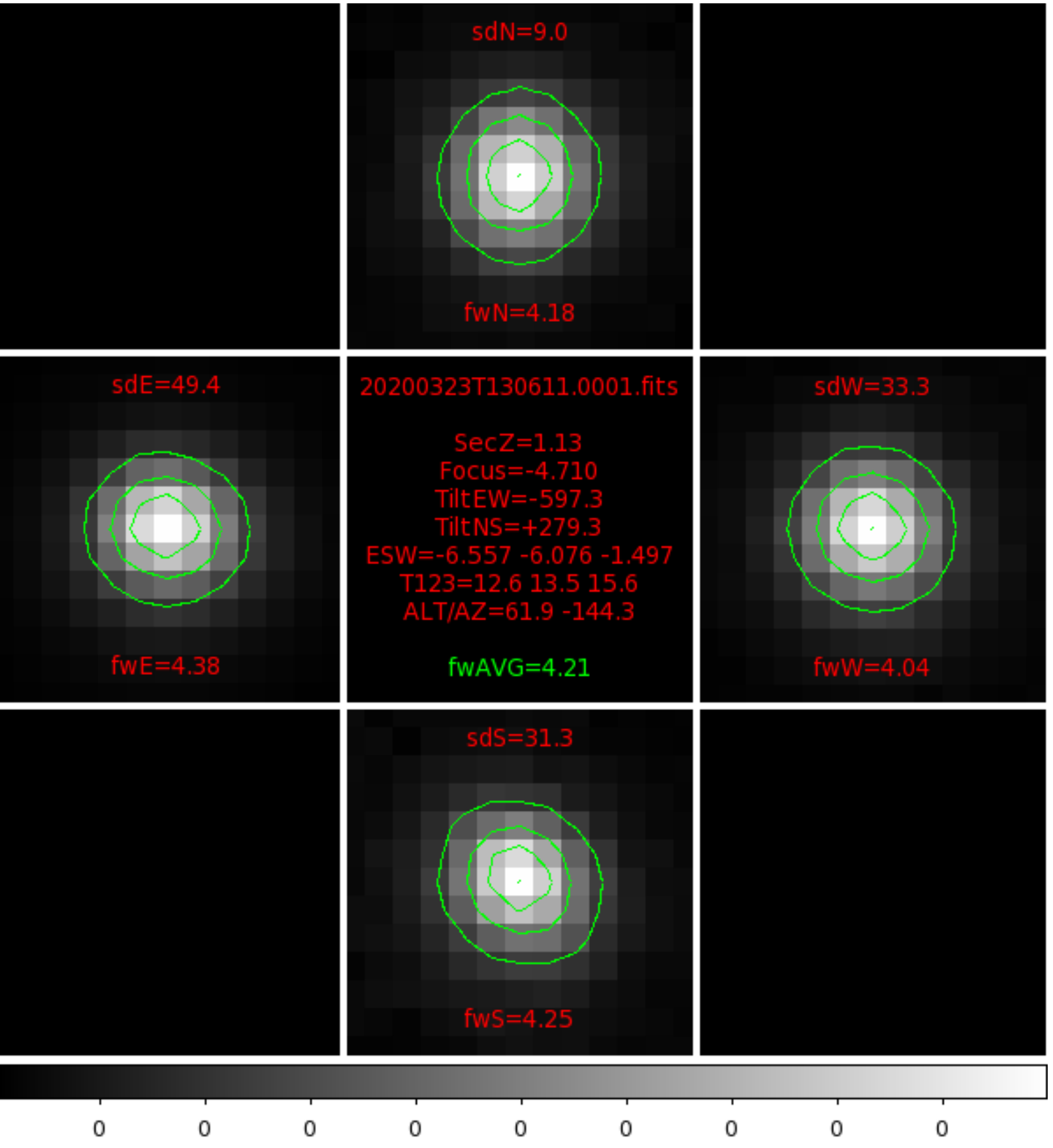
sdN=9.0
fwN=4.18
sdE=49.4
fwE=4.38
20200323T130611.0001.fits
SecZ=1.13
Focus=-4.710
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.557 -6.076 -1.497
T123=12.6 13.5 15.6
ALT/AZ=61.9 -144.3
fwAVG=4.21
sdW=33.3
fwW=4.04
sdS=31.3
fwS=4.25
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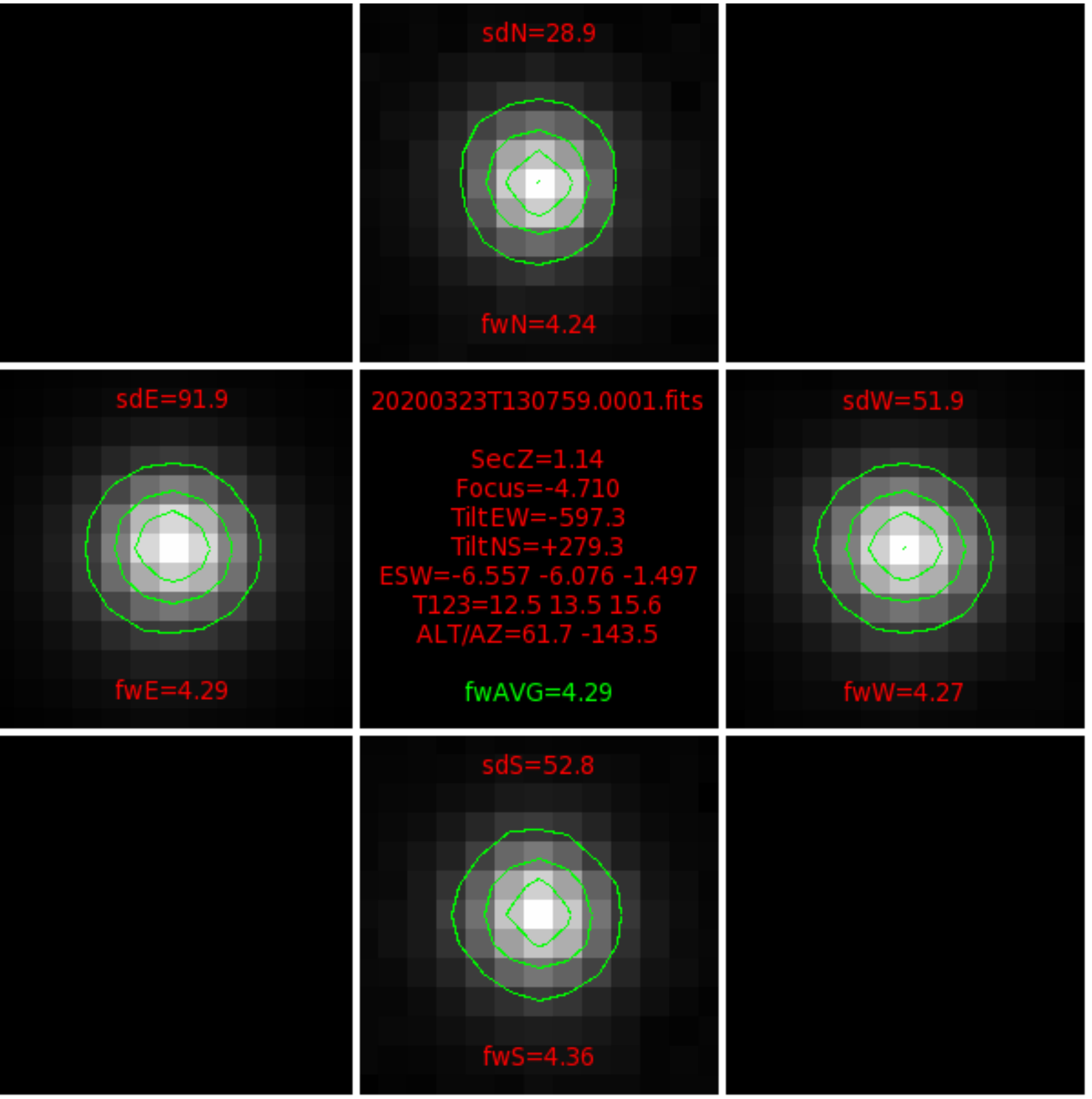
sdN=28.9
fwN=4.24
sdE=91.9
fwE=4.29
20200323T130759.0001.fits
SecZ=1.14
Focus=-4.710
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.557 -6.076 -1.497
T123=12.5 13.5 15.6
ALT/AZ=61.7 -143.5
fwAVG=4.29
sdW=51.9
fwW=4.27
sdS=52.8
fwS=4.36
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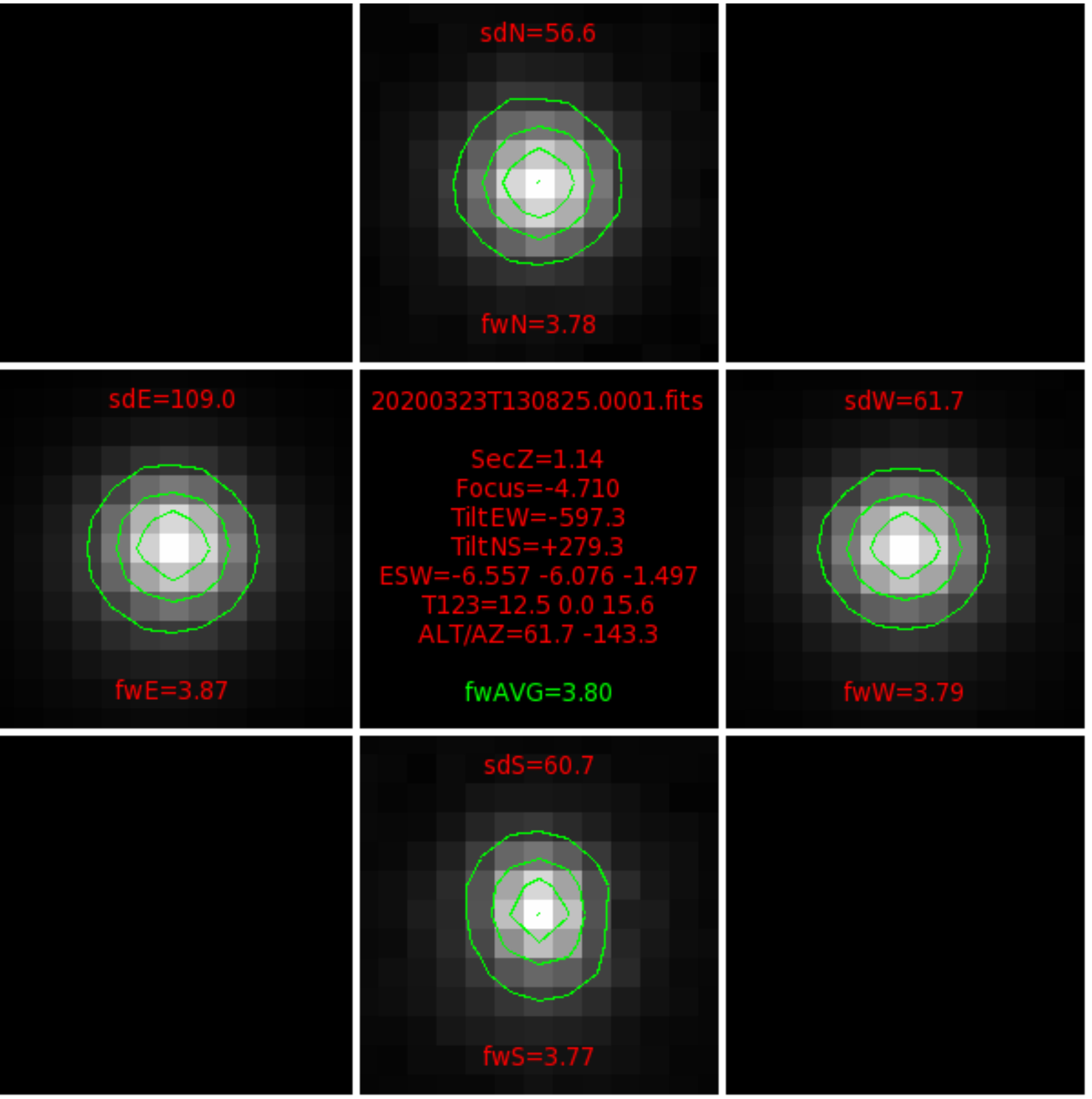
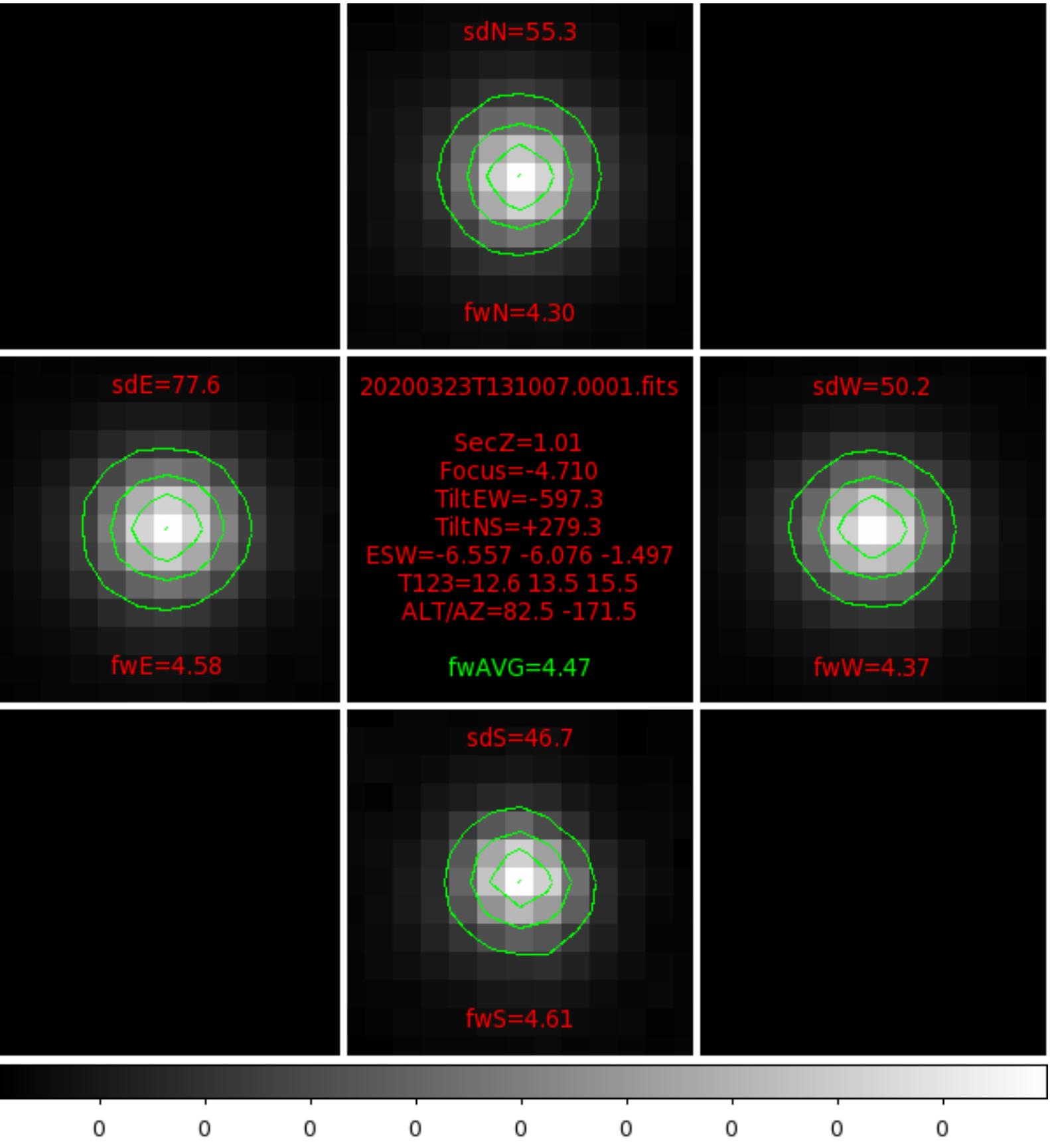

sdN=56.6
fwN=3.78
sdE=109.0
fwE=3.87
20200323T130825.0001.fits
SecZ=1.14
Focus=-4.710
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.557 -6.076 -1.497
T123=12.5 0.0 15.6
ALT/AZ=61.7 -143.3
fwAVG=3.80
sdW=61.7
fwW=3.79
sdS=60.7
fwS=3.77
0 0 0 0 0 0 0 0 0


sdN=55.3
fwN=4.30
sdE=77.6
fwE=4.58
20200323T131007.0001.fits
SecZ=1.01
Focus=-4.710
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.557 -6.076 -1.497
T123=12.6 13.5 15.5
ALT/AZ=82.5 -171.5
fwAVG=4.47
sdW=50.2
fwW=4.37
sdS=46.7
fwS=4.61
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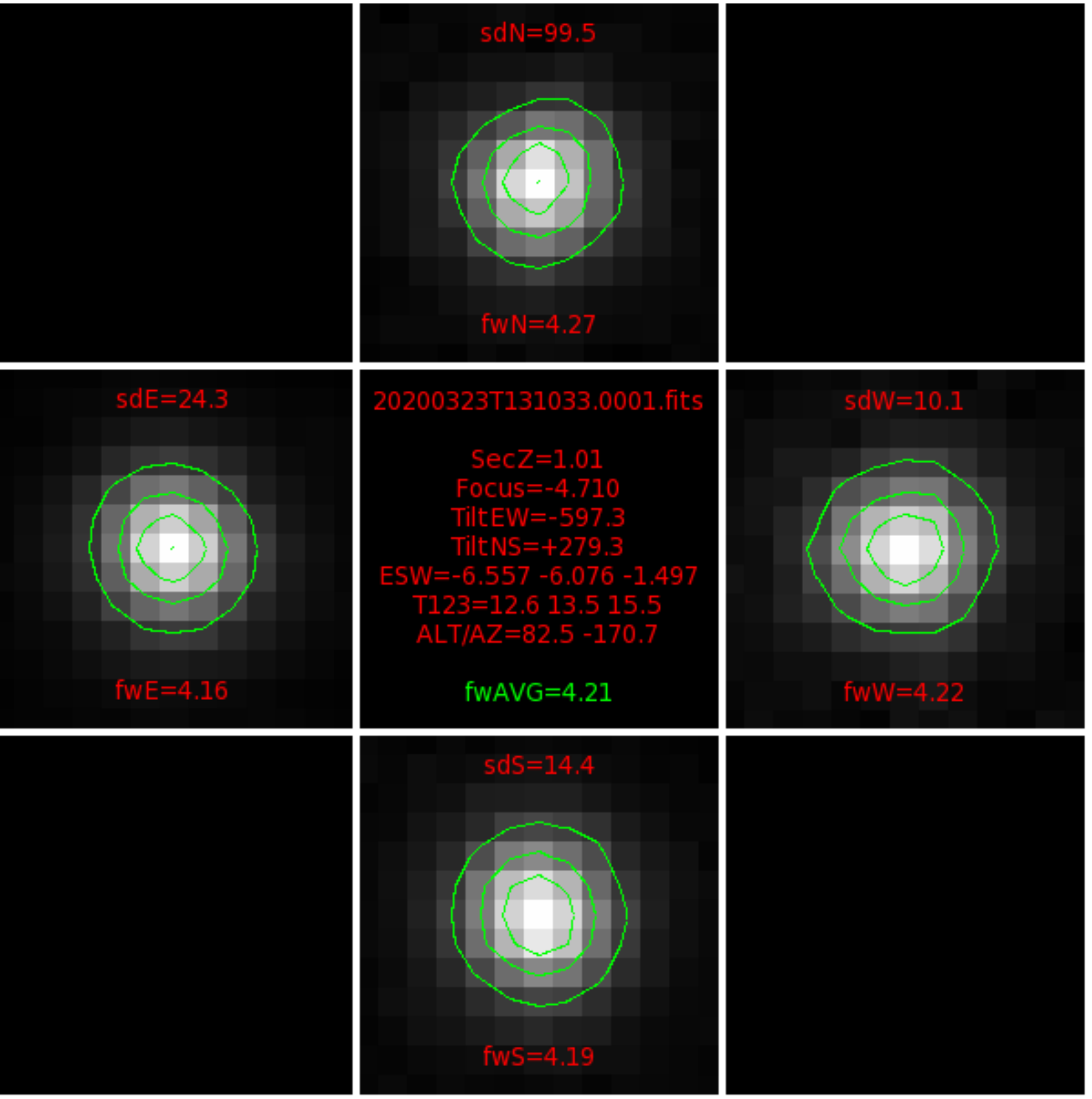
sdN=99.5
fwN=4.27
sdE=24.3
fwE=4.16
20200323T131033.0001.fits
SecZ=1.01
Focus=-4.710
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.557 -6.076 -1.497
T123=12.6 13.5 15.5
ALT/AZ=82.5 -170.7
fwAVG=4.21
sdW=10.1
fwW=4.22
sdS=14.4
fwS=4.19
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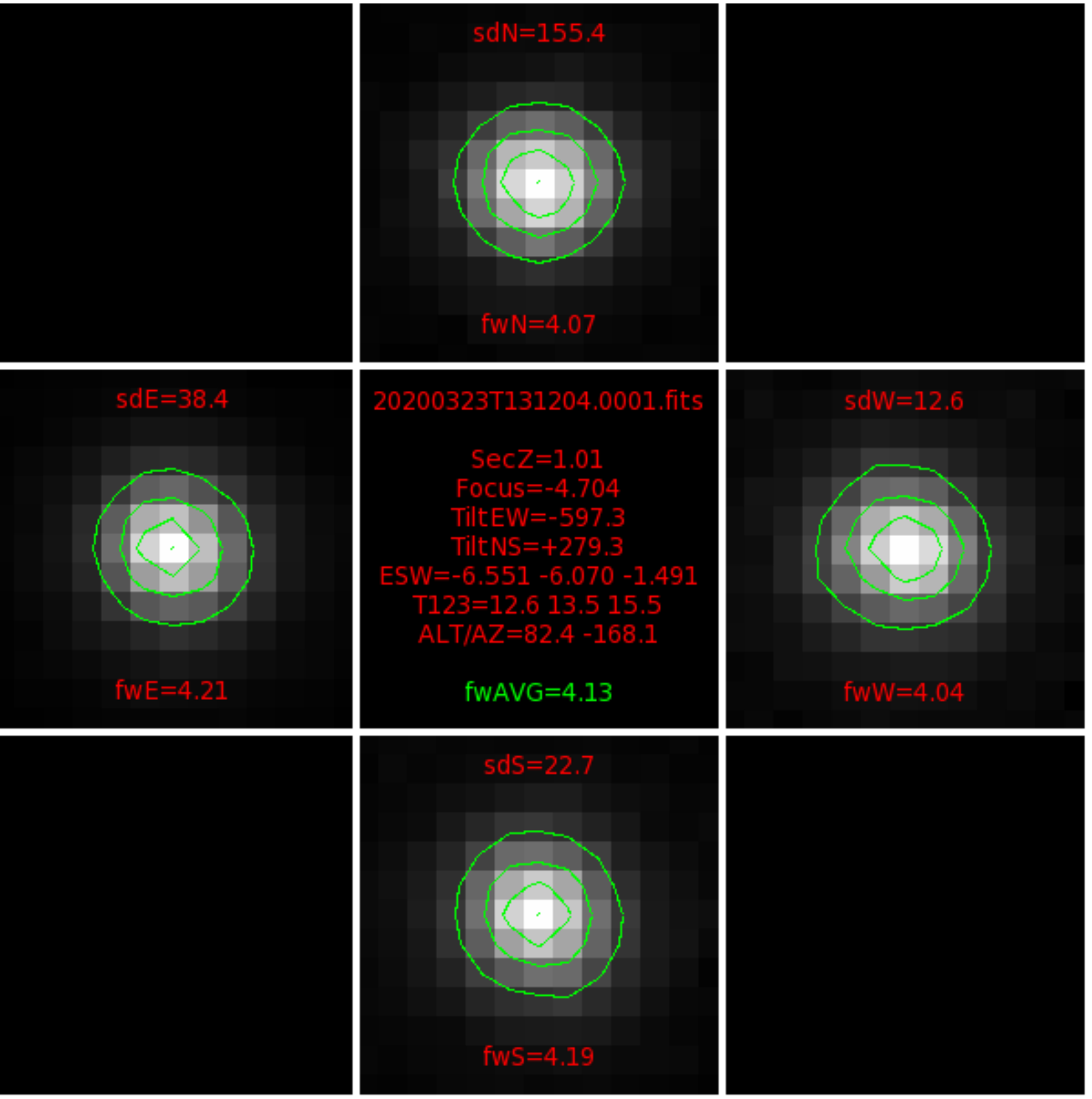
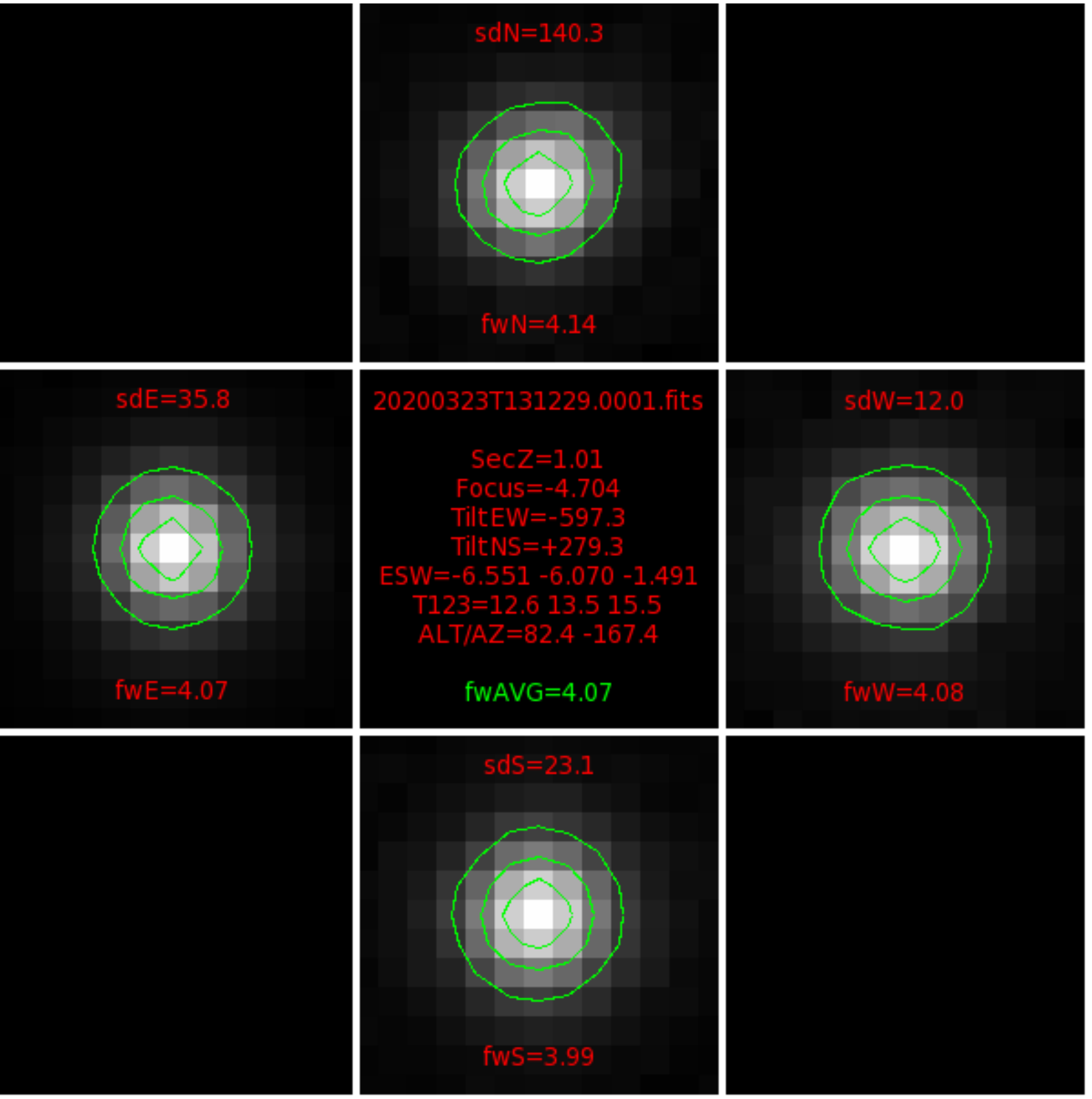

sdN=155.4
fwN=4.07
sdE=38.4
fwE=4.21
20200323T131204.0001.fits
SecZ=1.01
Focus=-4.704
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.551 -6.070 -1.491
T123=12.6 13.5 15.5
ALT/AZ=82.4 -168.1
fwAVG=4.13
sdW=12.6
fwW=4.04
sdS=22.7
fwS=4.19
0 0 0 0 0 0 0 0 0


sdN=140.3
fwN=4.14
sdE=35.8
fwE=4.07
20200323T131229.0001.fits
SecZ=1.01
Focus=-4.704
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.551 -6.070 -1.491
T123=12.6 13.5 15.5
ALT/AZ=82.4 -167.4
fwAVG=4.07
sdW=12.0
fwW=4.08
sdS=23.1
fwS=3.99
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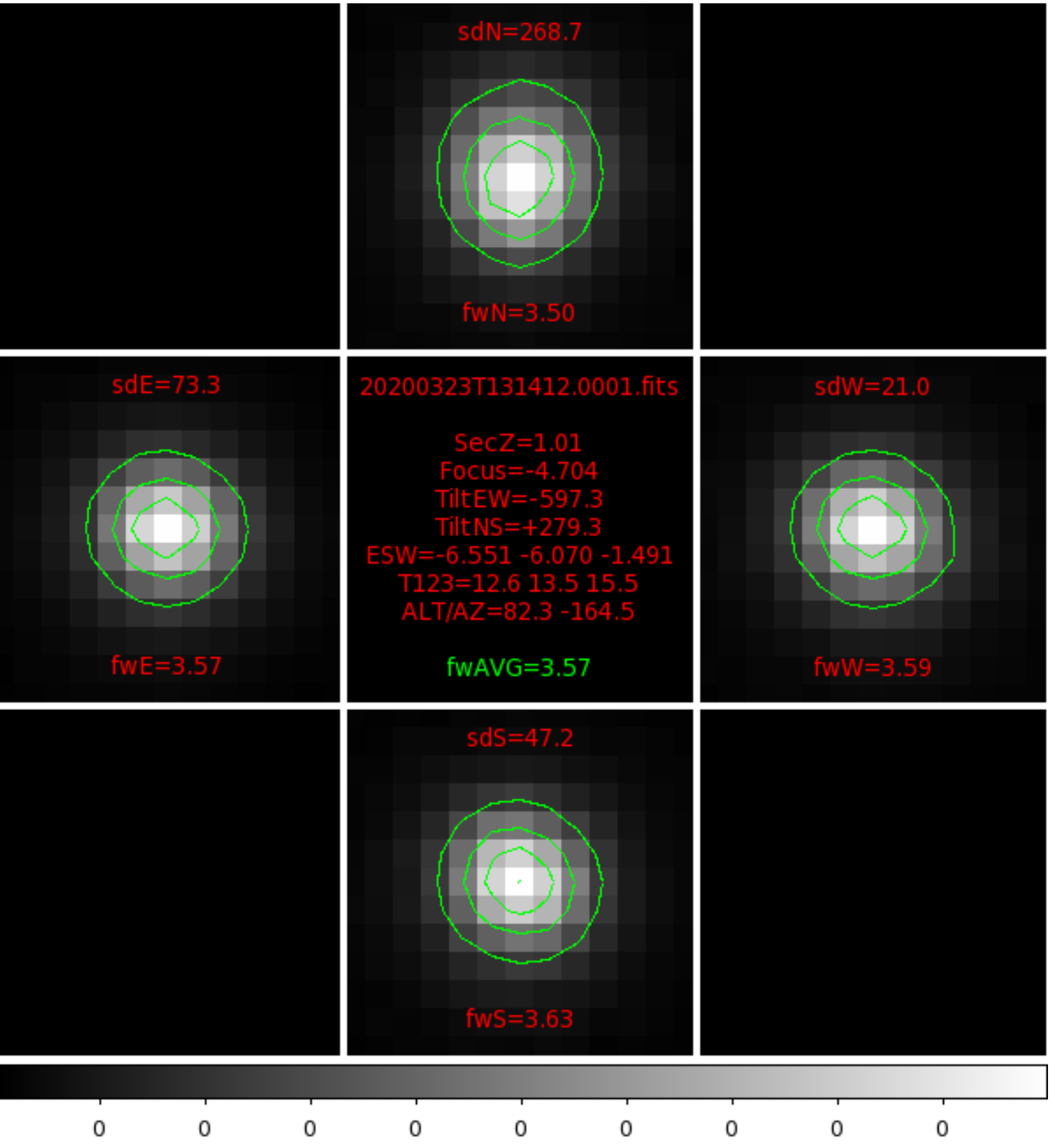
sdN=268.7
fwN=3.50
sdE=73.3
fwE=3.57
20200323T131412.0001.fits
SecZ=1.01
Focus=-4.704
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.551 -6.070 -1.491
T123=12.6 13.5 15.5
ALT/AZ=82.3 -164.5
fwAVG=3.57
sdW=21.0
fwW=3.59
sdS=47.2
fwS=3.63
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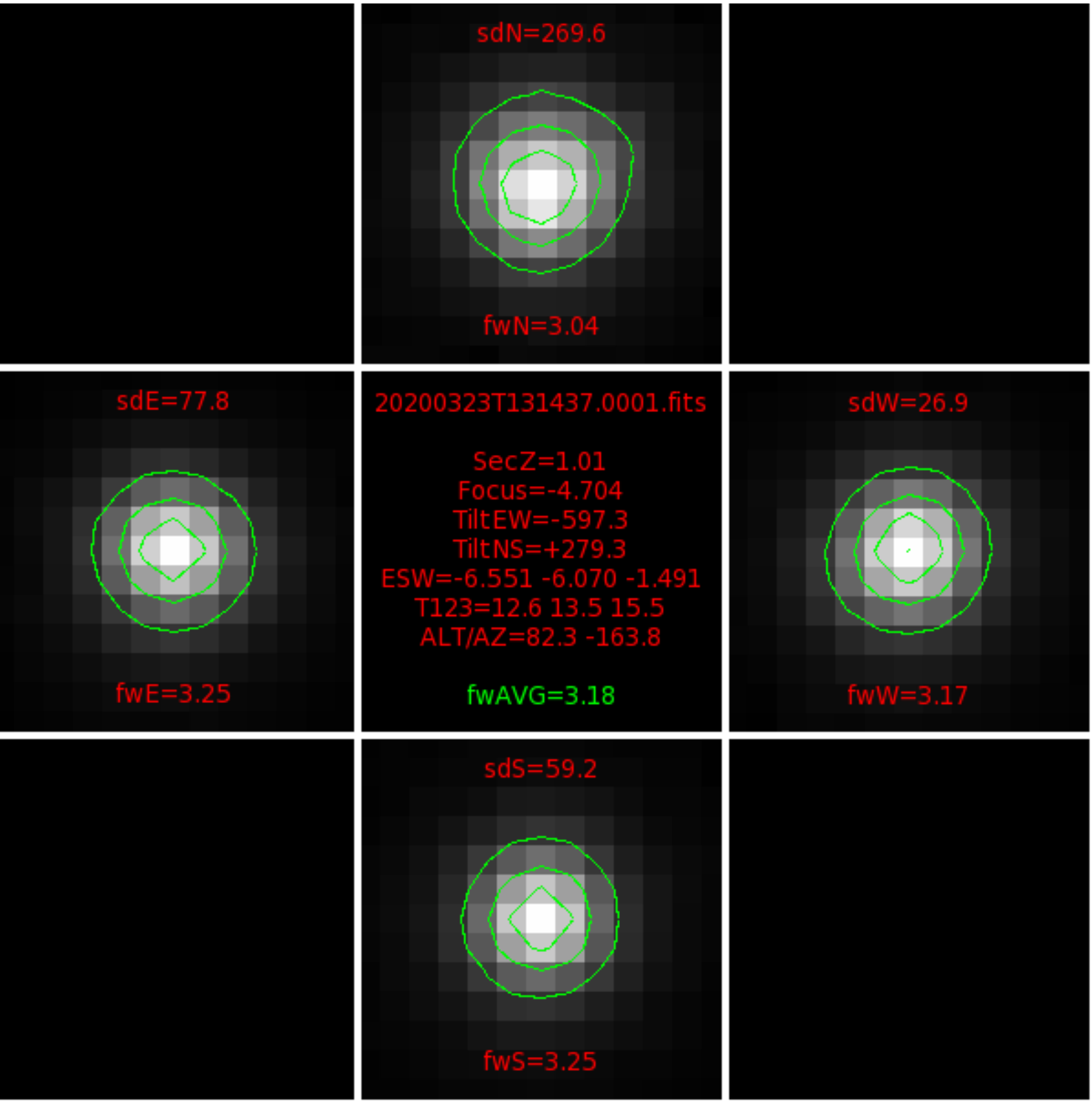
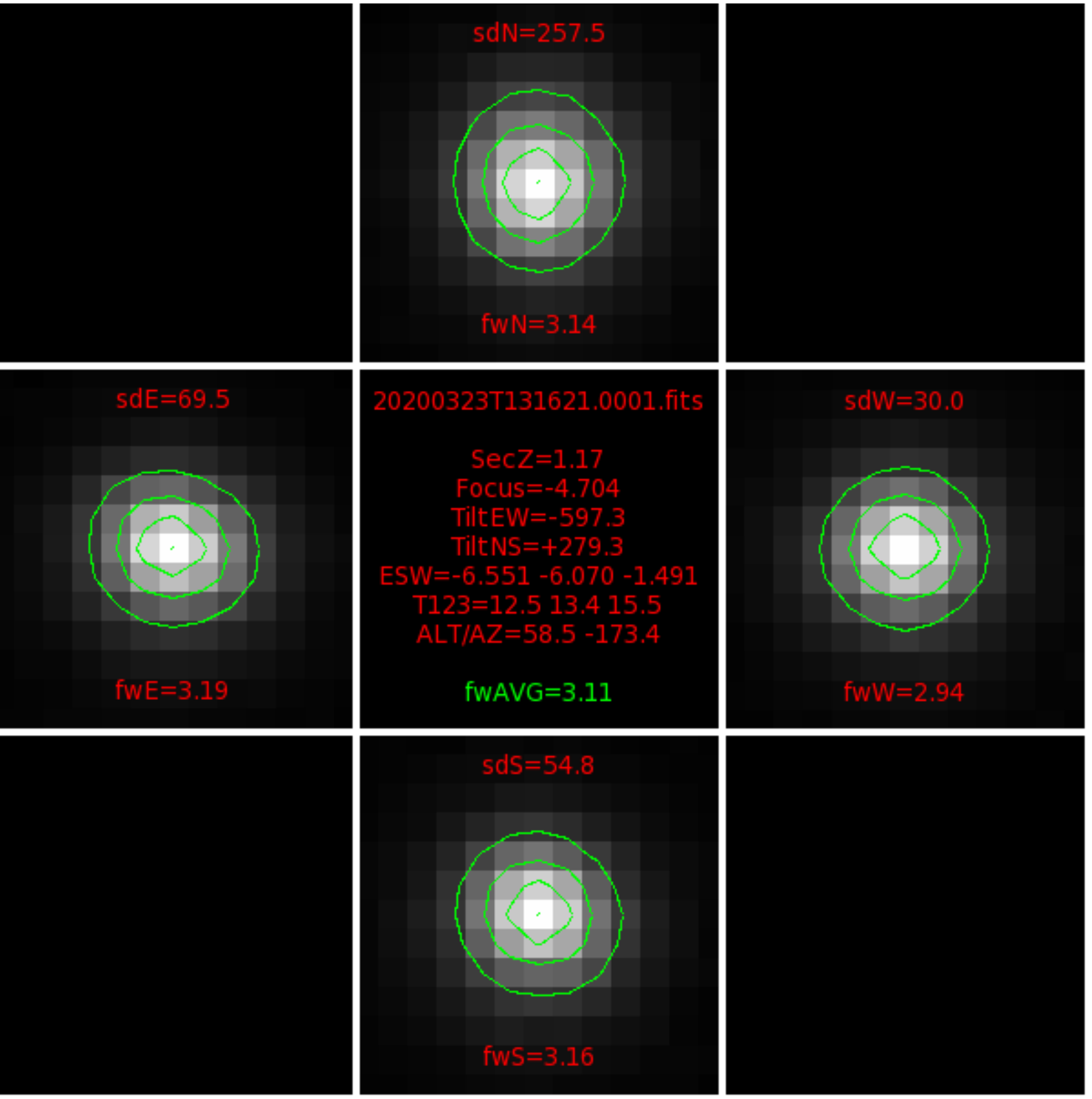

sdN=269.6
fwN=3.04
sdE=77.8
fwE=3.25
20200323T131437.0001.fits
SecZ=1.01
Focus=-4.704
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.551 -6.070 -1.491
T123=12.6 13.5 15.5
ALT/AZ=82.3 -163.8
fwAVG=3.18
sdW=26.9
fwW=3.17
sdS=59.2
fwS=3.25
0 0 0 0 0 0 0 0 0


sdN=257.5
fwN=3.14
sdE=69.5
fwE=3.19
20200323T131621.0001.fits
SecZ=1.17
Focus=-4.704
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.551 -6.070 -1.491
T123=12.5 13.4 15.5
ALT/AZ=58.5 -173.4
fwAVG=3.11
sdW=30.0
fwW=2.94
sdS=54.8
fwS=3.16
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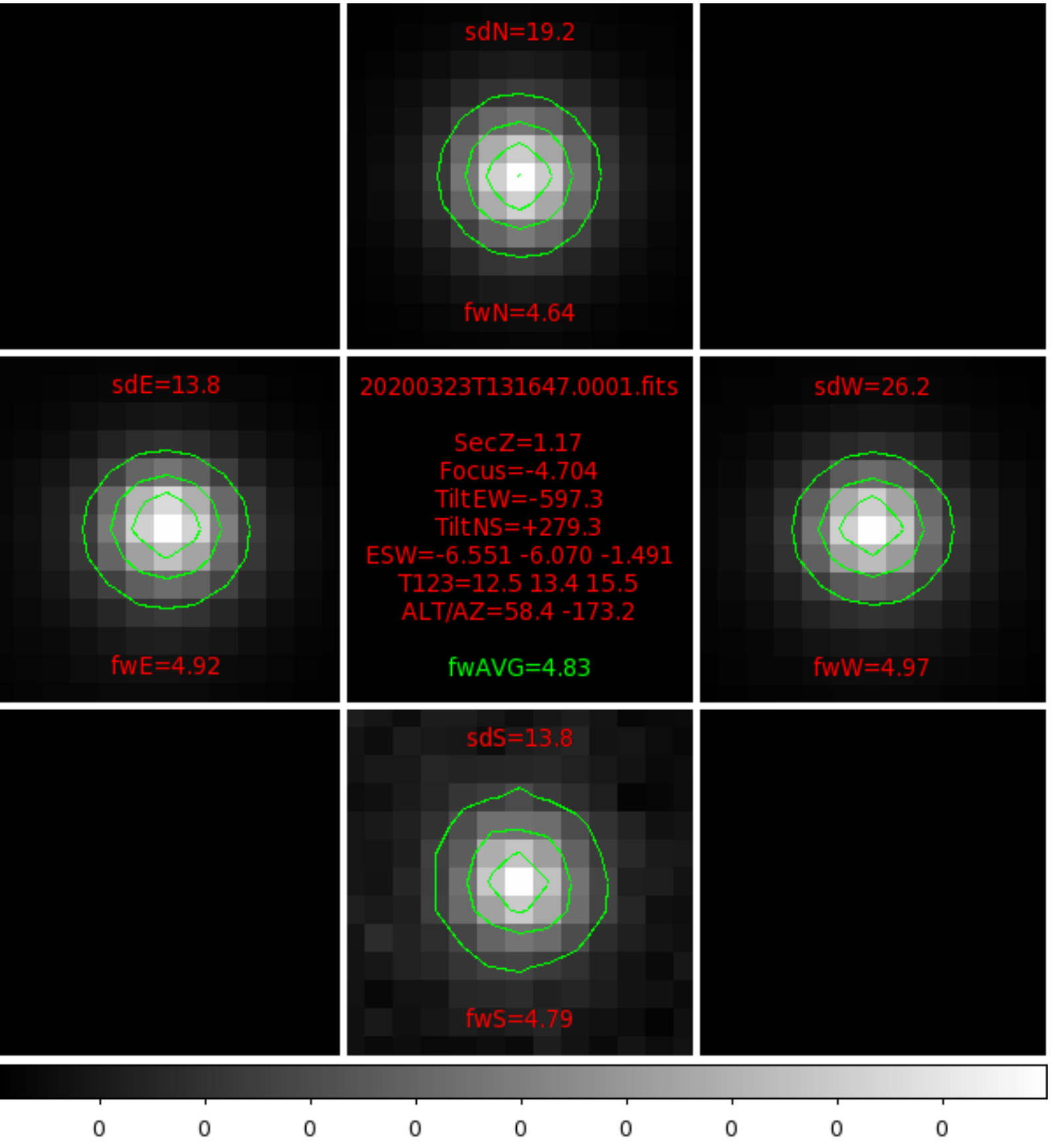
sdN=19.2
fwN=4.64
sdE=13.8
fwE=4.92
20200323T131647.0001.fits
SecZ=1.17
Focus=-4.704
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.551 -6.070 -1.491
T123=12.5 13.4 15.5
ALT/AZ=58.4 -173.2
fwAVG=4.83
sdW=26.2
fwW=4.97
sdS=13.8
fwS=4.79
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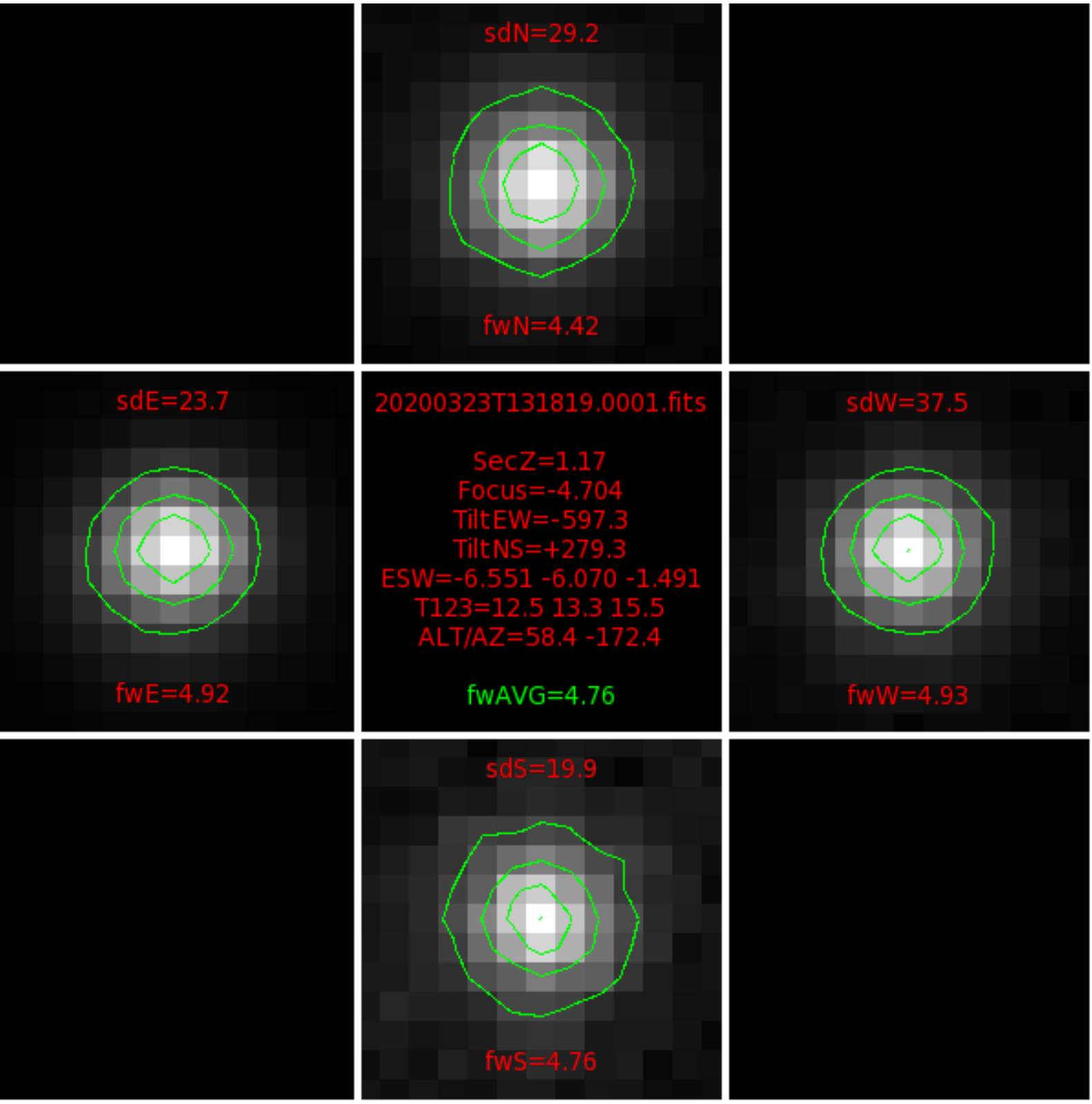
sdN=29.2
fwN=4.42
sdE=23.7
fwE=4.92
20200323T131819.0001.fits
SecZ=1.17
Focus=-4.704
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.551 -6.070 -1.491
T123=12.5 13.3 15.5
ALT/AZ=58.4 -172.4
fwAVG=4.76
sdW=37.5
fwW=4.93
sdS=19.9
fwS=4.76
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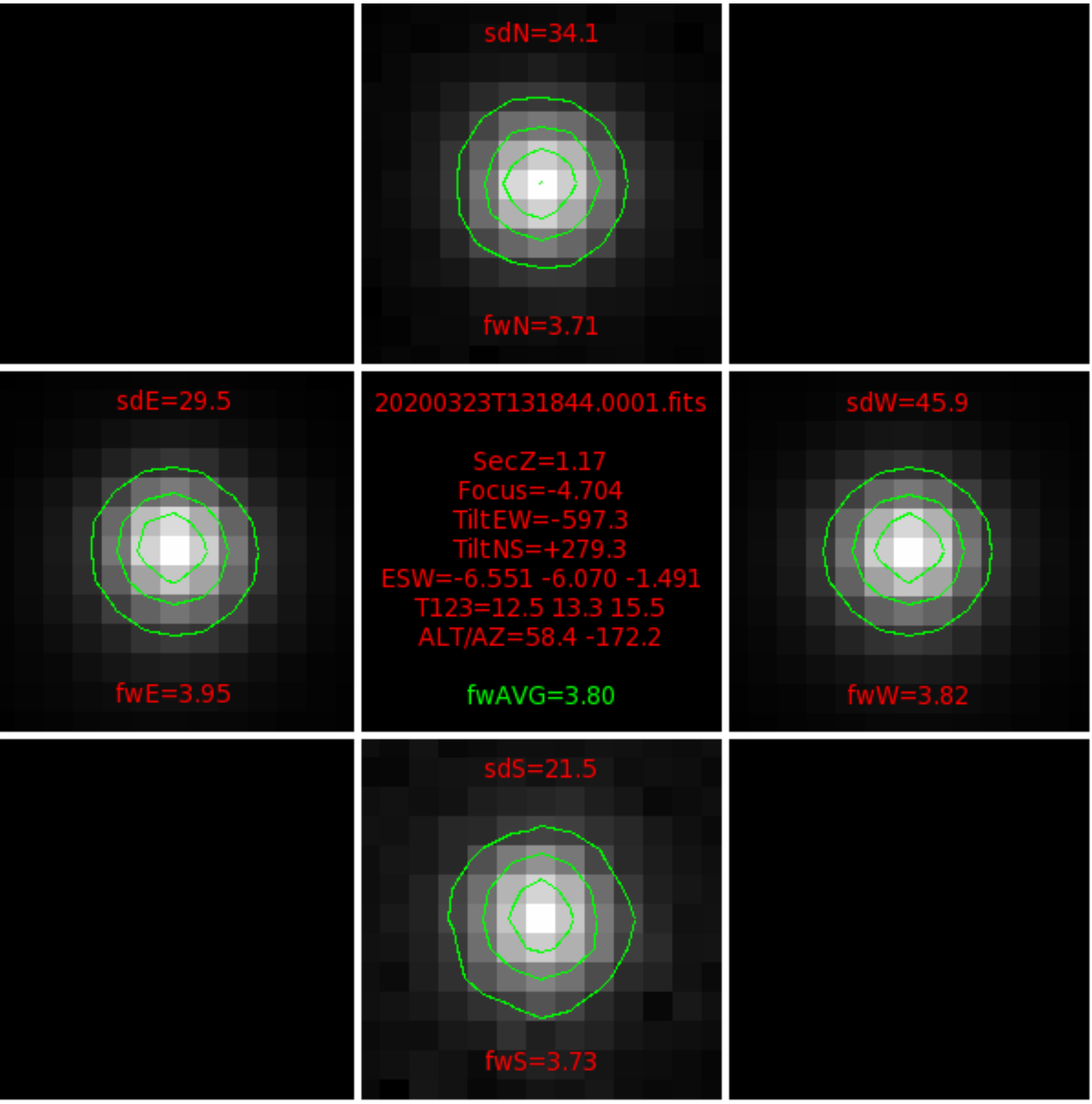
sdN=34.1
fwN=3.71
sdE=29.5
fwE=3.95
20200323T131844.0001.fits
SecZ=1.17
Focus=-4.704
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.551 -6.070 -1.491
T123=12.5 13.3 15.5
ALT/AZ=58.4 -172.2
fwAVG=3.80
sdW=45.9
fwW=3.82
sdS=21.5
fwS=3.73
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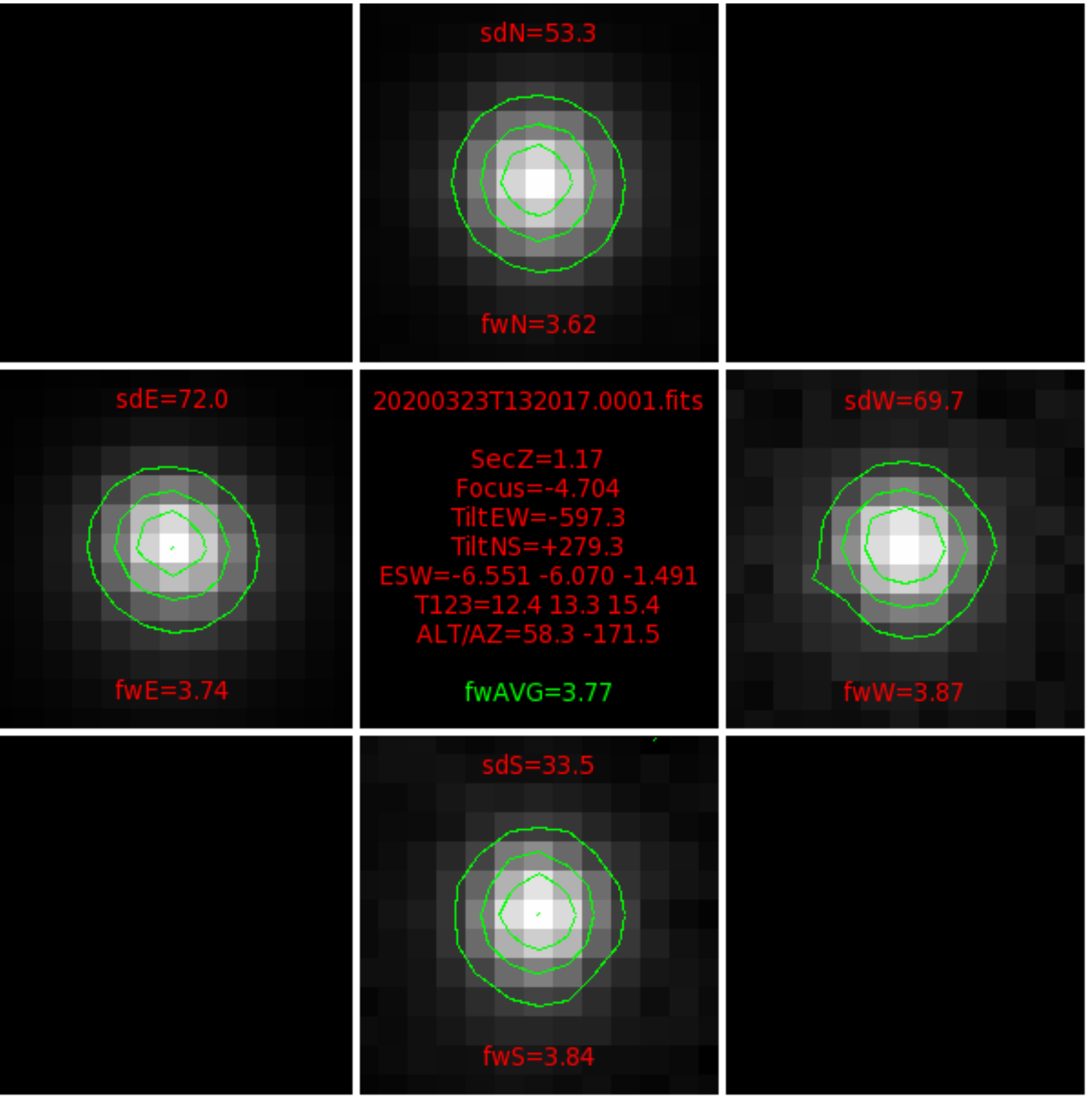
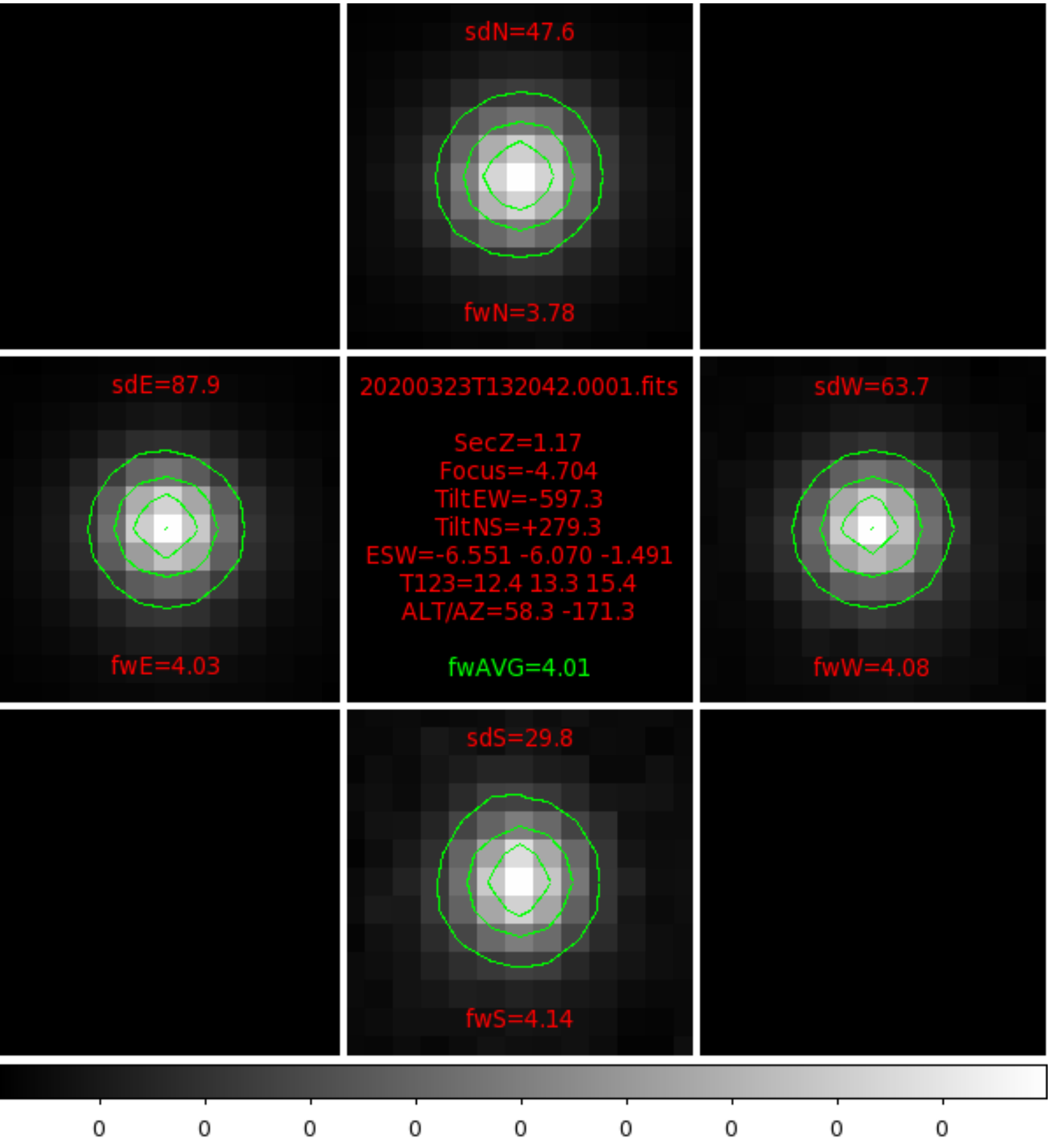

sdN=53.3
fwN=3.62
sdE=72.0
fwE=3.74
20200323T132017.0001.fits
SecZ=1.17
Focus=-4.704
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.551 -6.070 -1.491
T123=12.4 13.3 15.4
ALT/AZ=58.3 -171.5
fwAVG=3.77
sdW=69.7
fwW=3.87
sdS=33.5
fwS=3.84
0 0 0 0 0 0 0 0 0


sdN=47.6
fwN=3.78
sdE=87.9
fwE=4.03
20200323T132042.0001.fits
SecZ=1.17
Focus=-4.704
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.551 -6.070 -1.491
T123=12.4 13.3 15.4
ALT/AZ=58.3 -171.3
fwAVG=4.01
sdW=63.7
fwW=4.08
sdS=29.8
fwS=4.14
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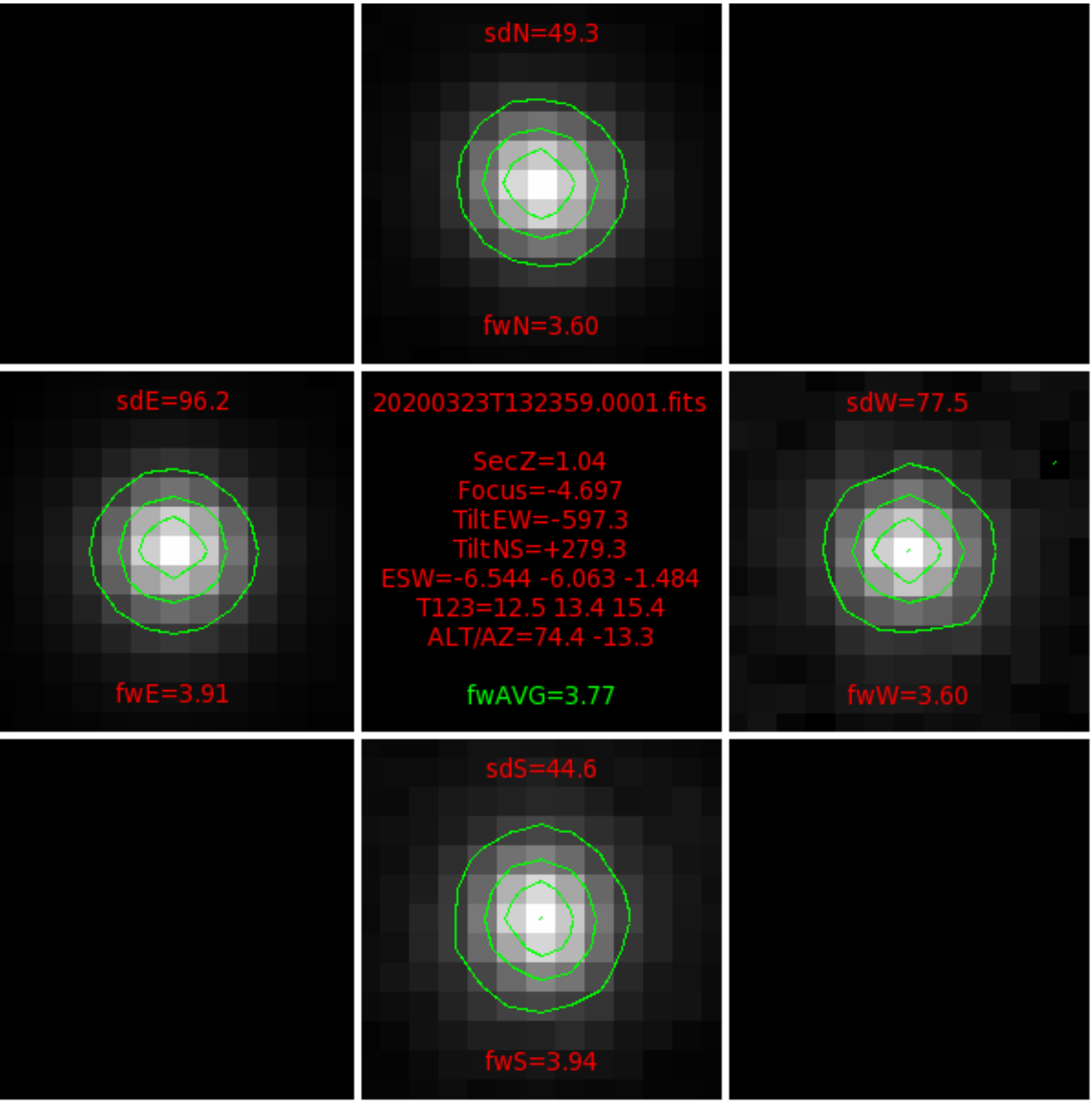
sdN=49.3
fwN=3.60
sdE=96.2
fwE=3.91
20200323T132359.0001.fits
SecZ=1.04
Focus=-4.697
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.544 -6.063 -1.484
T123=12.5 13.4 15.4
ALT/AZ=74.4 -13.3
fwAVG=3.77
sdW=77.5
fwW=3.60
sdS=44.6
fwS=3.94
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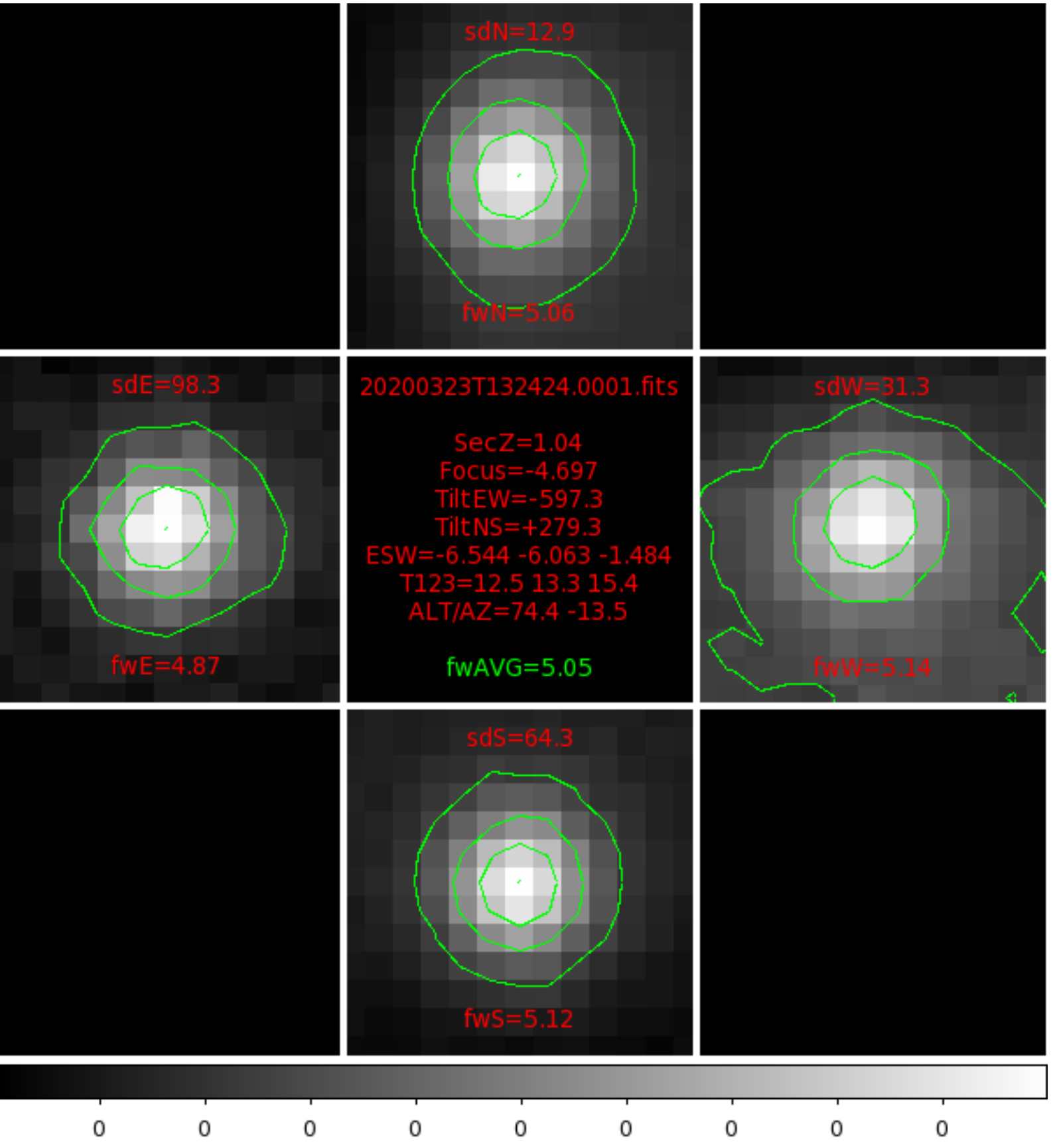
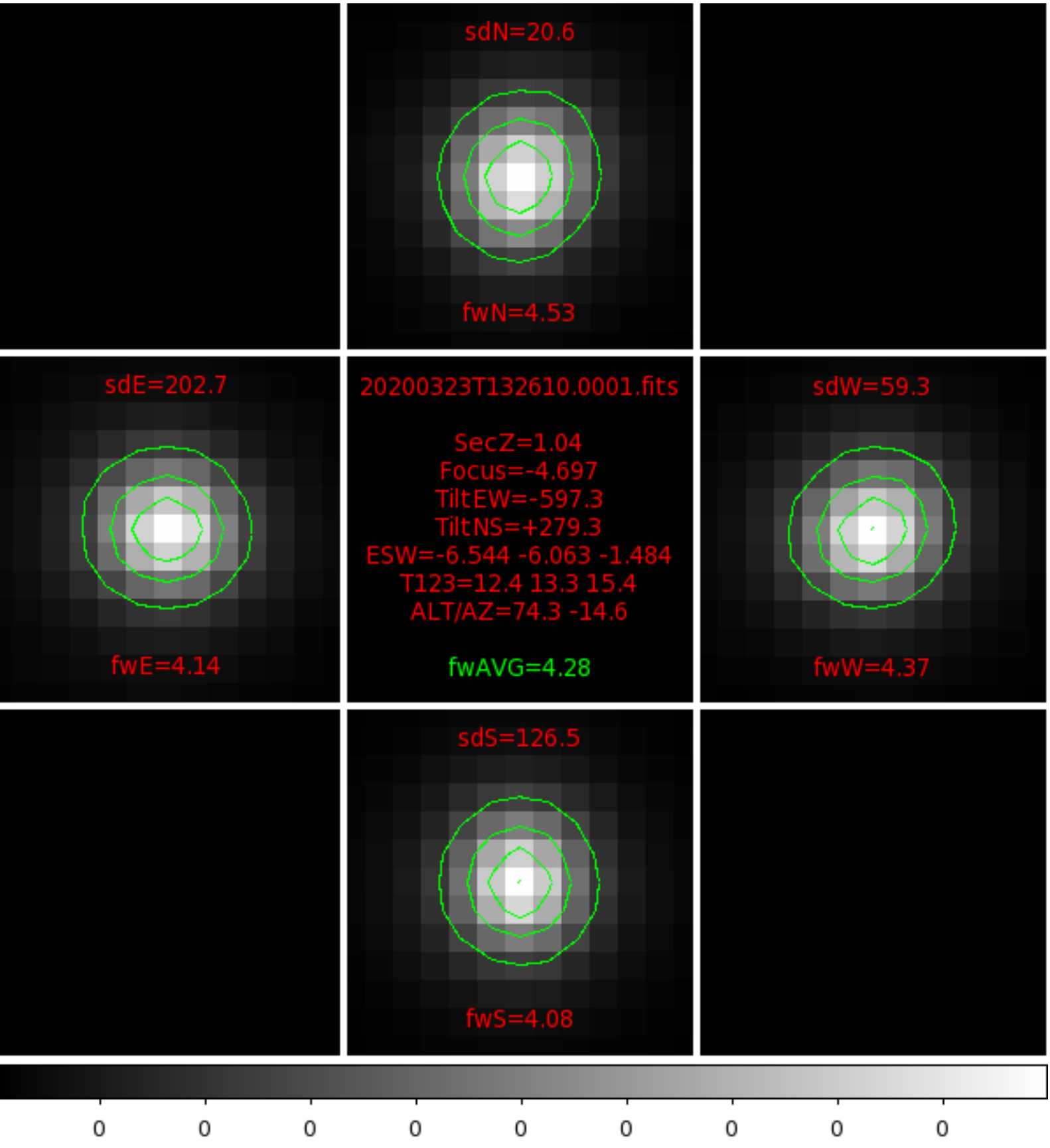

sdN=12.9
fwN=5.06
sdE=98.3
fwE=4.87
20200323T132424.0001.fits
SecZ=1.04
Focus=-4.697
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.544 -6.063 -1.484
T123=12.5 13.3 15.4
ALT/AZ=74.4 -13.5
fwAVG=5.05
sdW=31.3
fwW=5.14
sdS=64.3
fwS=5.12
0 0 0 0 0 0 0 0 0


sdN=20.6
fwN=4.53
sdE=202.7
fwE=4.14
20200323T132610.0001.fits
SecZ=1.04
Focus=-4.697
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.544 -6.063 -1.484
T123=12.4 13.3 15.4
ALT/AZ=74.3 -14.6
fwAVG=4.28
sdW=59.3
fwW=4.37
sdS=126.5
fwS=4.08
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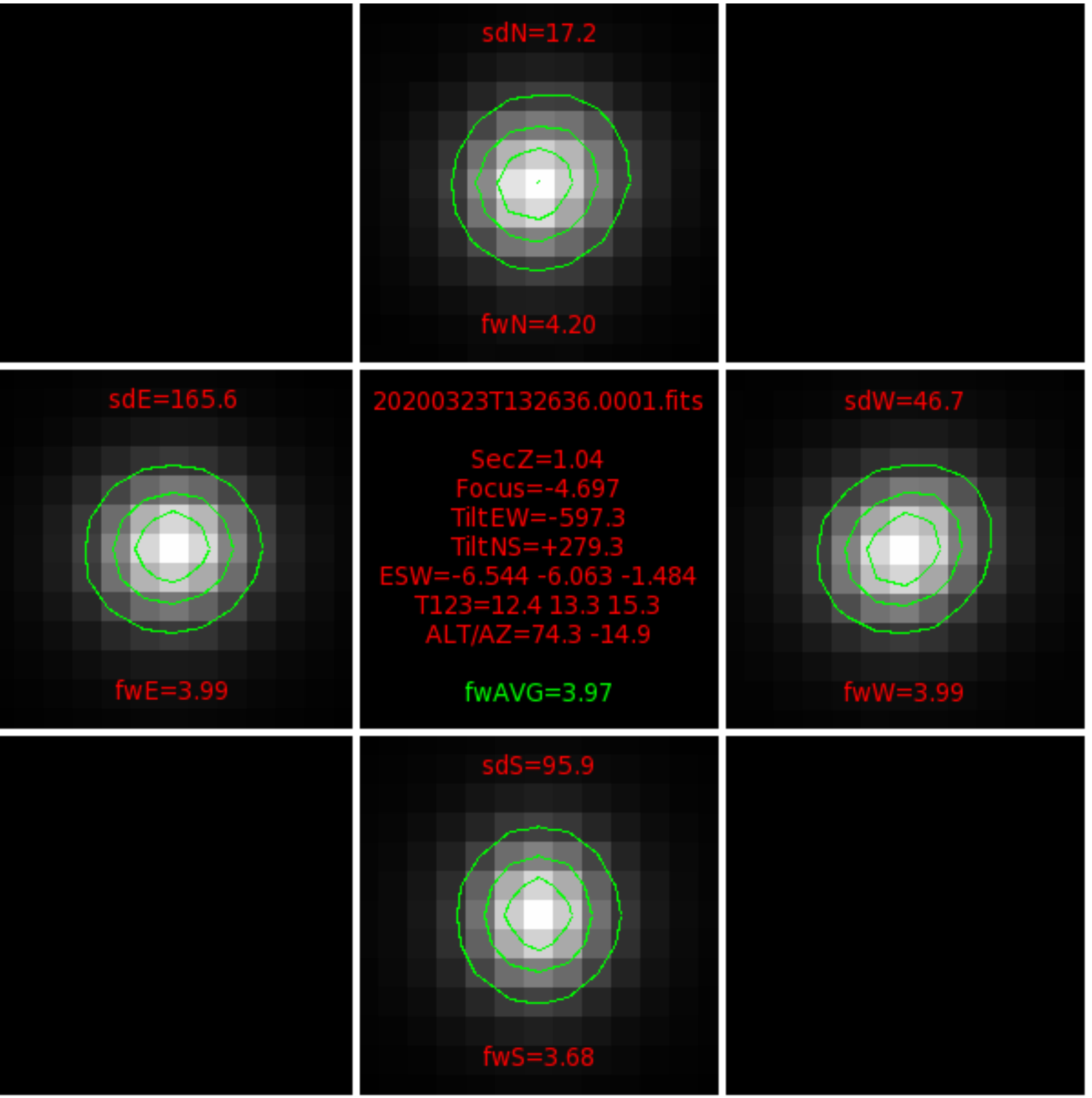
sdN=17.2
fwN=4.20
sdE=165.6
fwE=3.99
20200323T132636.0001.fits
SecZ=1.04
Focus=-4.697
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.544 -6.063 -1.484
T123=12.4 13.3 15.3
ALT/AZ=74.3 -14.9
fwAVG=3.97
sdW=46.7
fwW=3.99
sdS=95.9
fwS=3.68
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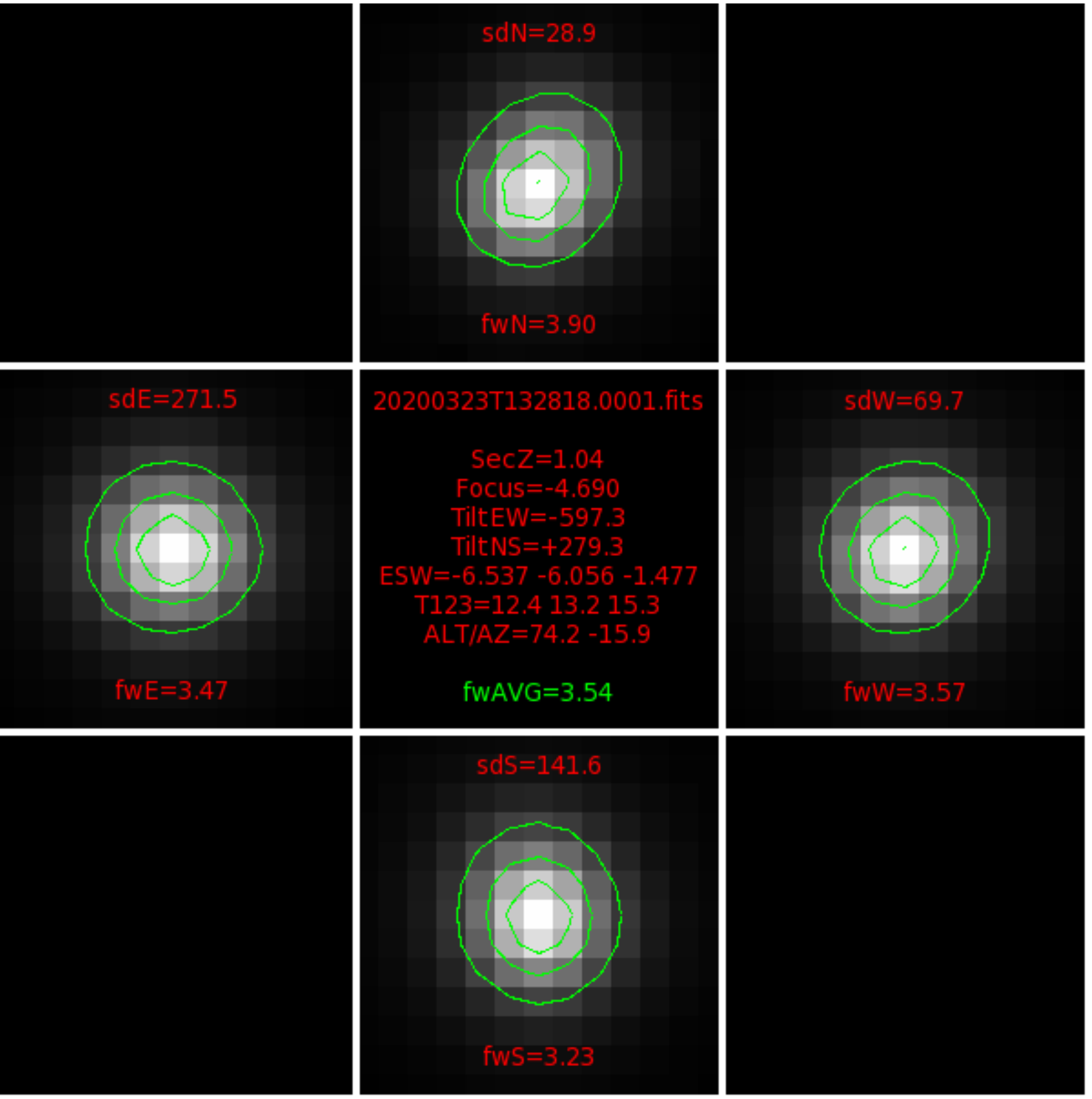
sdN=28.9
fwN=3.90
sdE=271.5
fwE=3.47
20200323T132818.0001.fits
SecZ=1.04
Focus=-4.690
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.537 -6.056 -1.477
T123=12.4 13.2 15.3
ALT/AZ=74.2 -15.9
fwAVG=3.54
sdW=69.7
fwW=3.57
sdS=141.6
fwS=3.23
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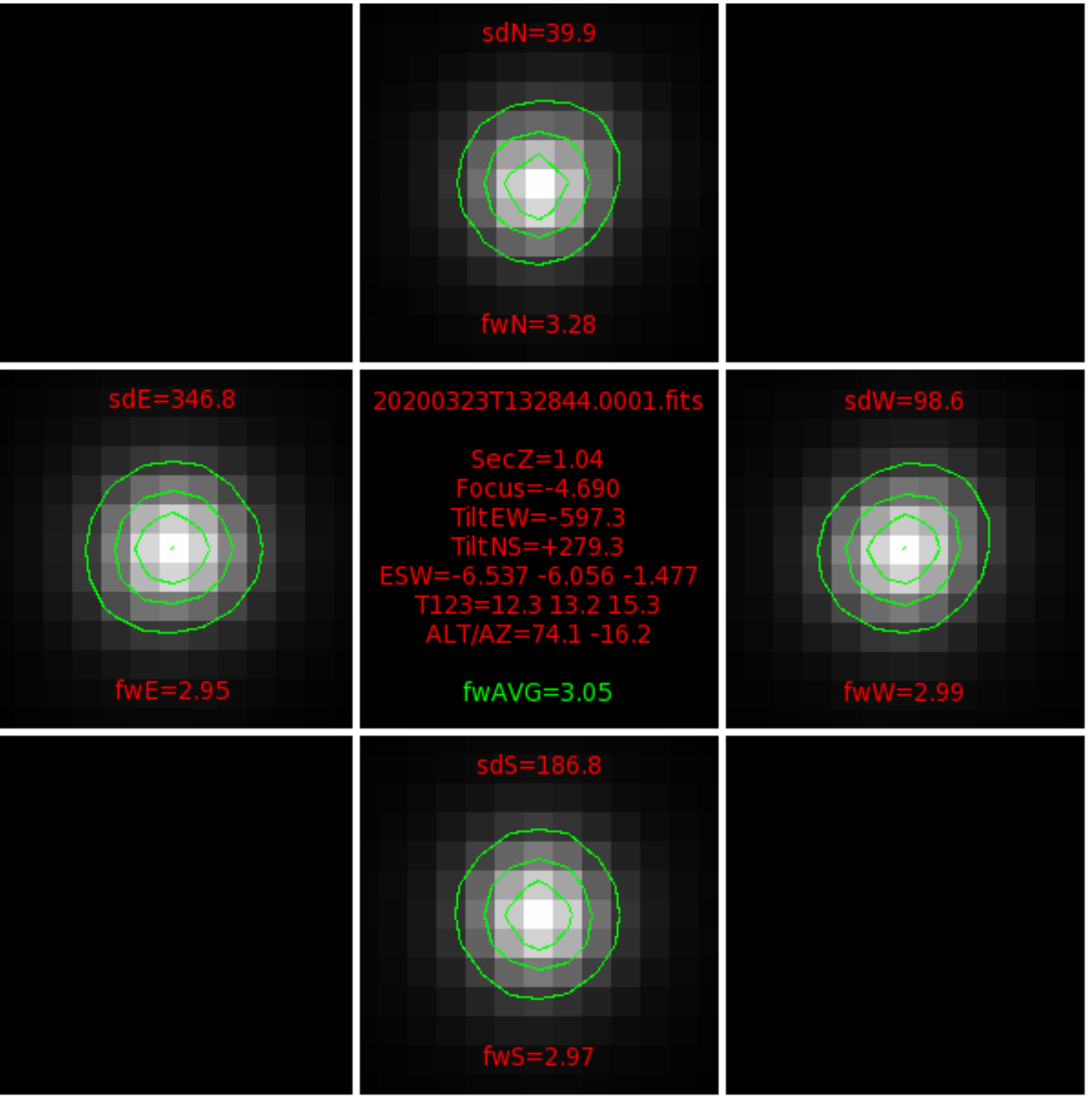
sdN=39.9
fwN=3.28
sdE=346.8
fwE=2.95
20200323T132844.0001.fits
SecZ=1.04
Focus=-4.690
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.537 -6.056 -1.477
T123=12.3 13.2 15.3
ALT/AZ=74.1 -16.2
fwAVG=3.05
sdW=98.6
fwW=2.99
sdS=186.8
fwS=2.97
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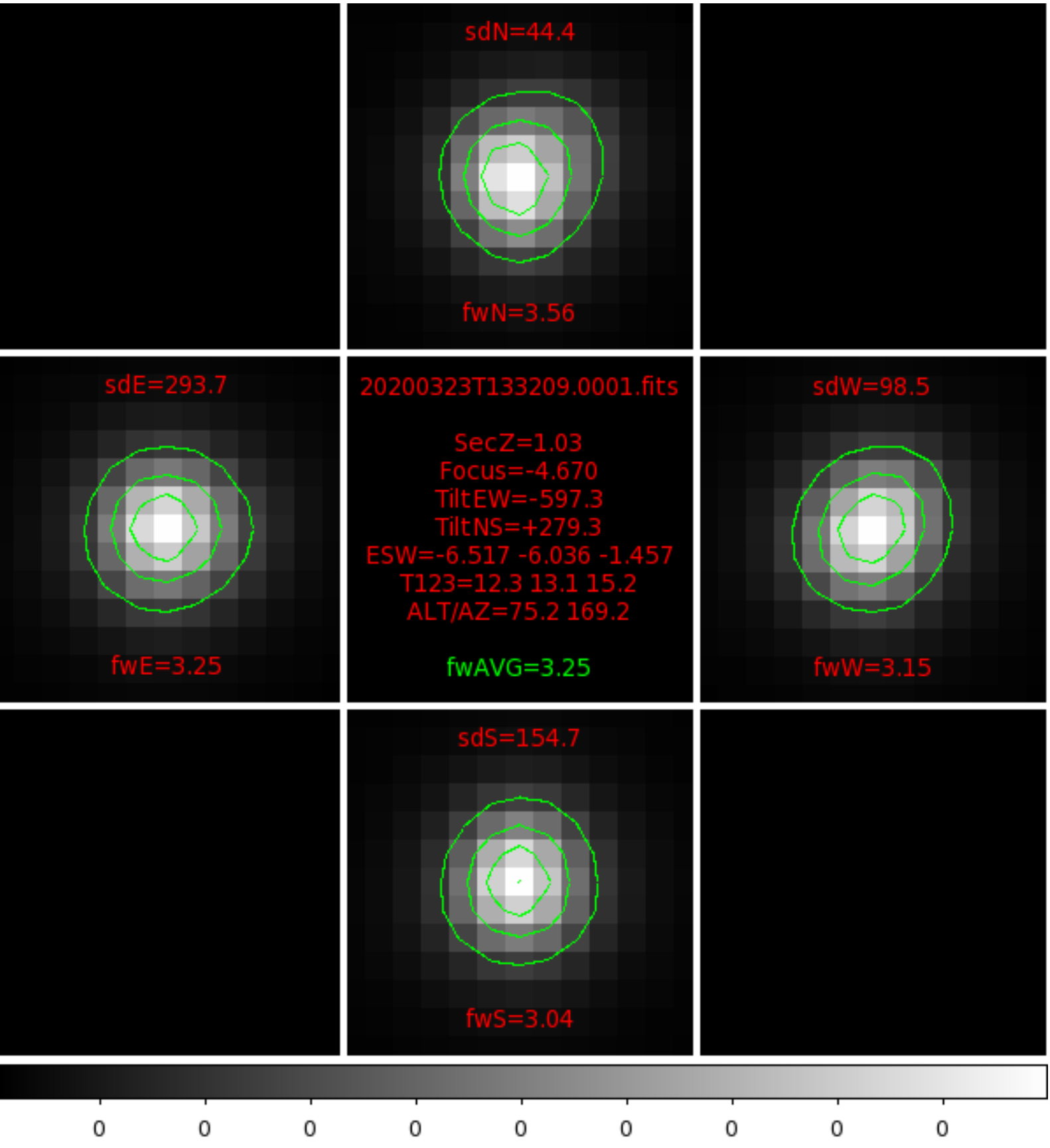
sdN=44.4
fwN=3.56
sdE=293.7
fwE=3.25
20200323T133209.0001.fits
SecZ=1.03
Focus=-4.670
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.517 -6.036 -1.457
T123=12.3 13.1 15.2
ALT/AZ=75.2 169.2
fwAVG=3.25
sdW=98.5
fwW=3.15
sdS=154.7
fwS=3.04
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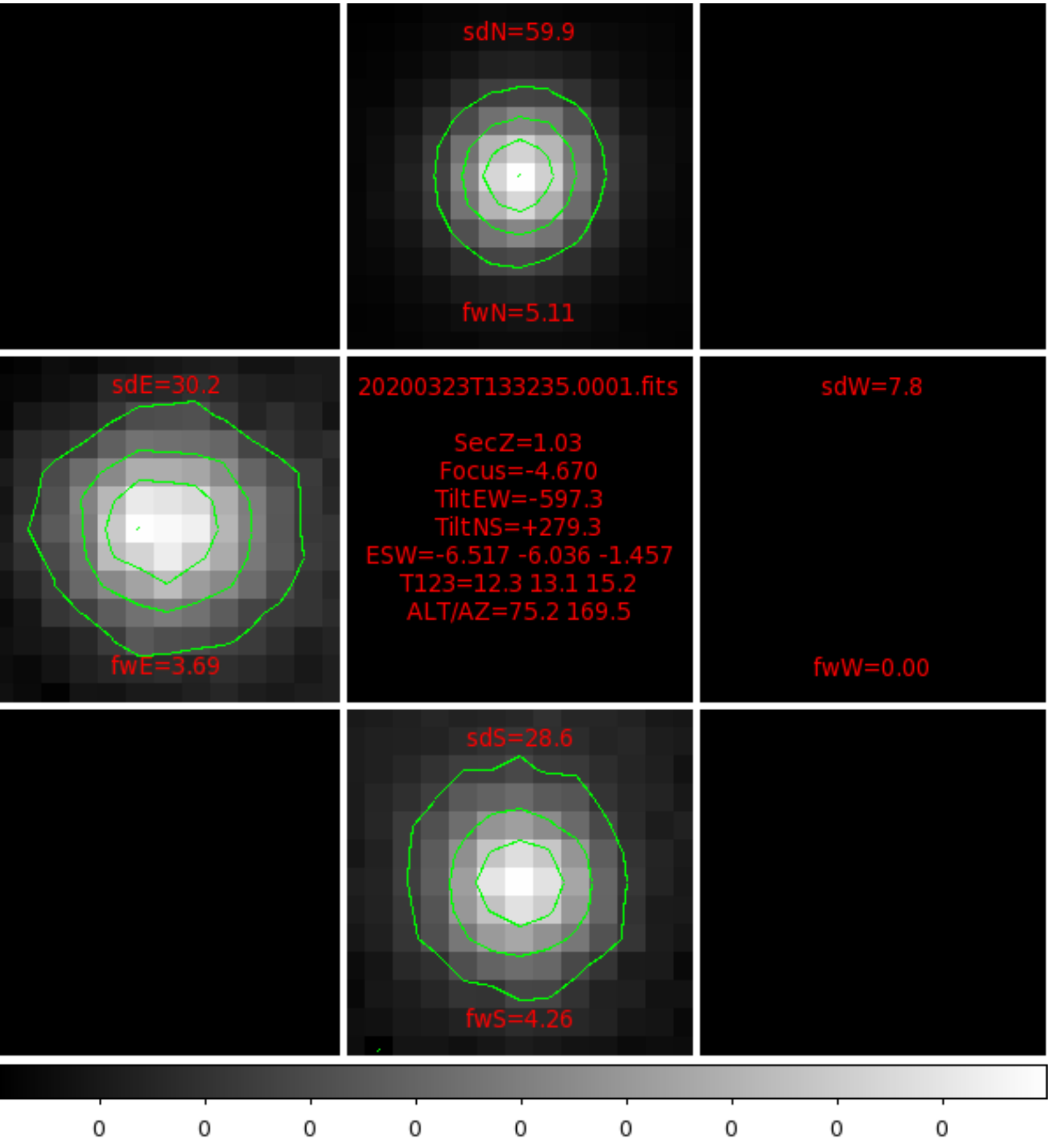
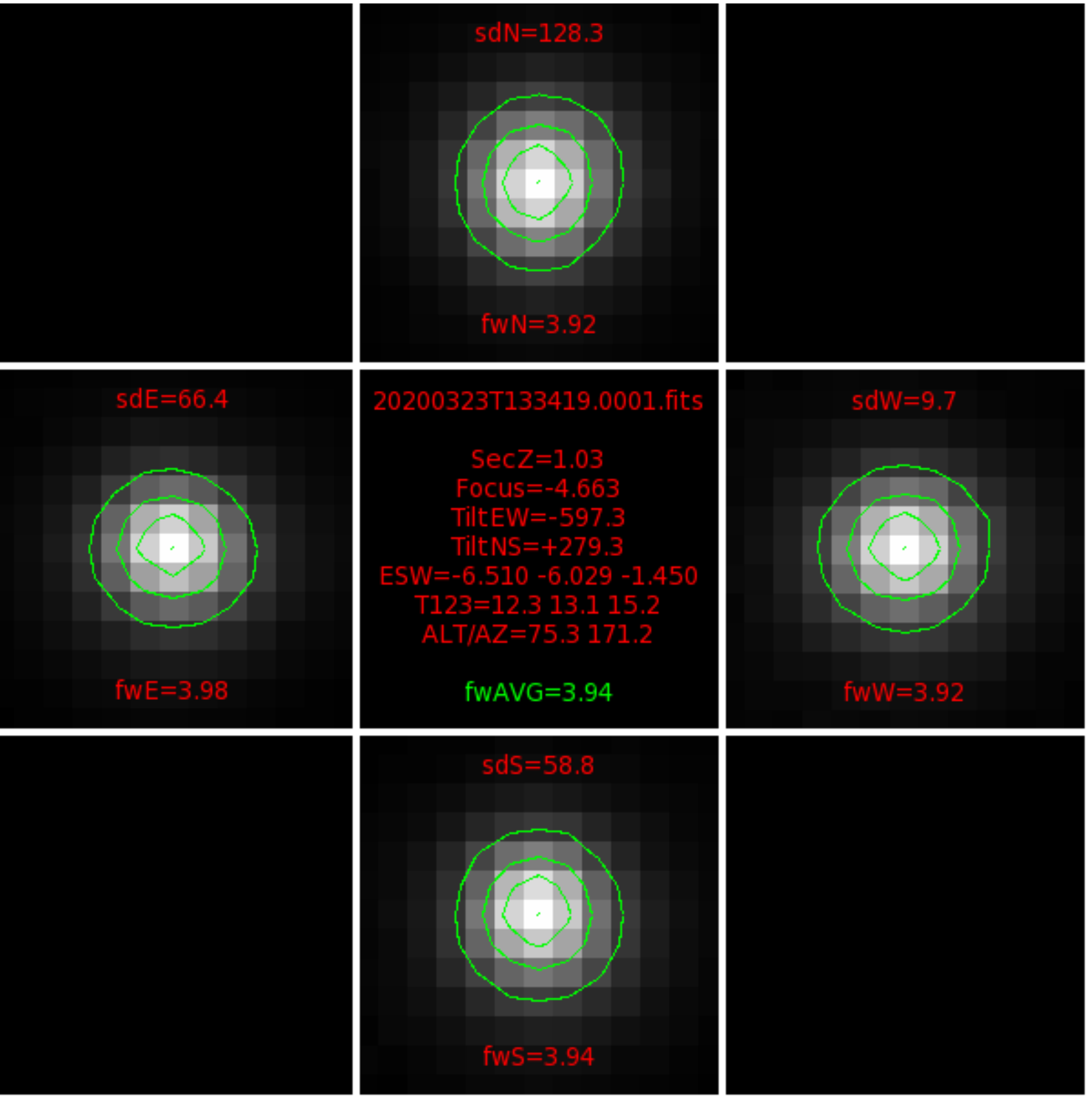

sdN=59.9
fwN=5.11
sdE=30.2
fwE=3.69
20200323T133235.0001.fits
SecZ=1.03
Focus=-4.670
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.517 -6.036 -1.457
T123=12.3 13.1 15.2
ALT/AZ=75.2 169.5
sdW=7.8
fwW=0.00
sdS=28.6
fwS=4.26
0 0 0 0 0 0 0 0 0


sdN=128.3
fwN=3.92
sdE=66.4
fwE=3.98
20200323T133419.0001.fits
SecZ=1.03
Focus=-4.663
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.510 -6.029 -1.450
T123=12.3 13.1 15.2
ALT/AZ=75.3 171.2
fwAVG=3.94
sdW=9.7
fwW=3.92
sdS=58.8
fwS=3.94
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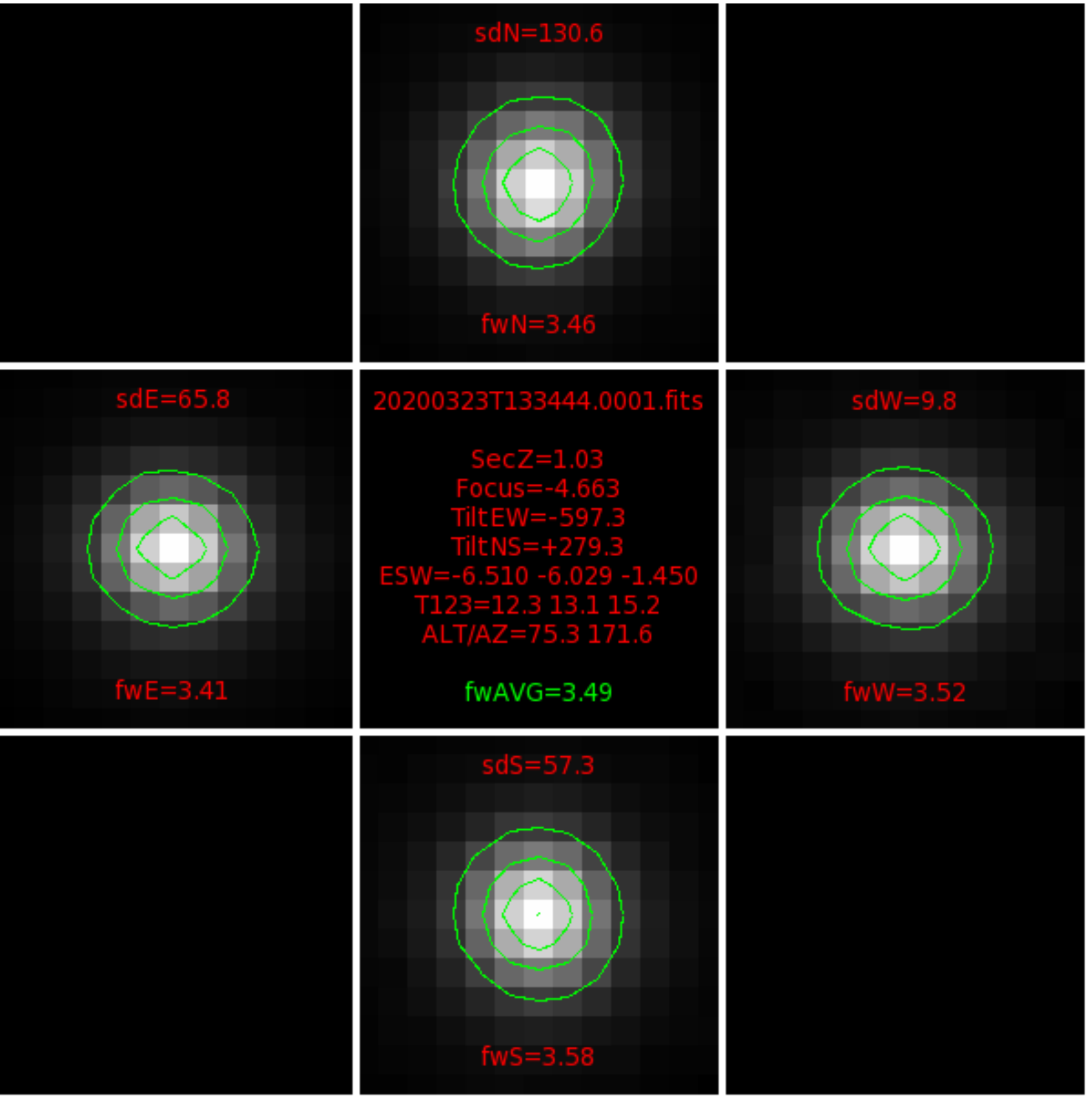
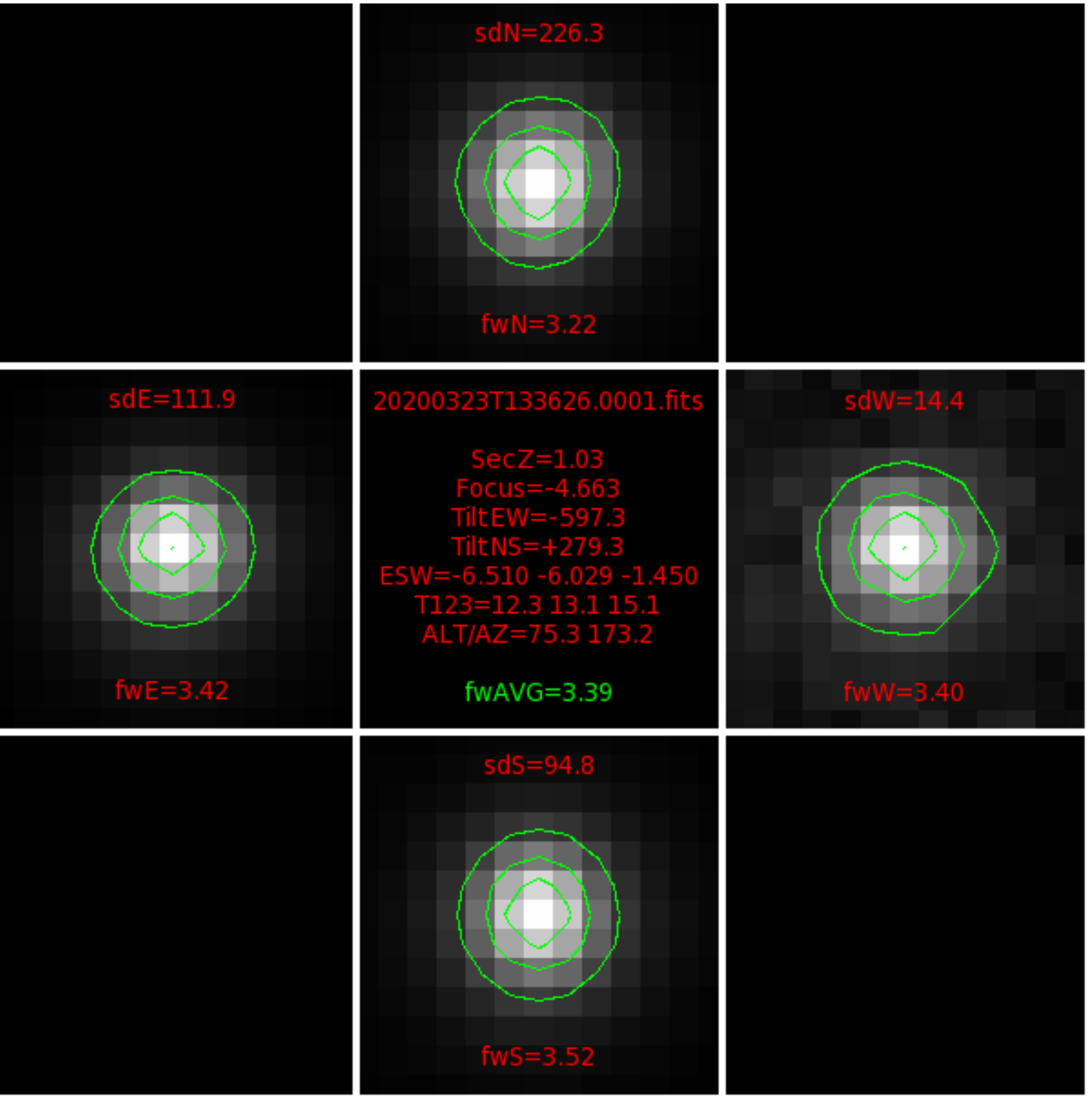
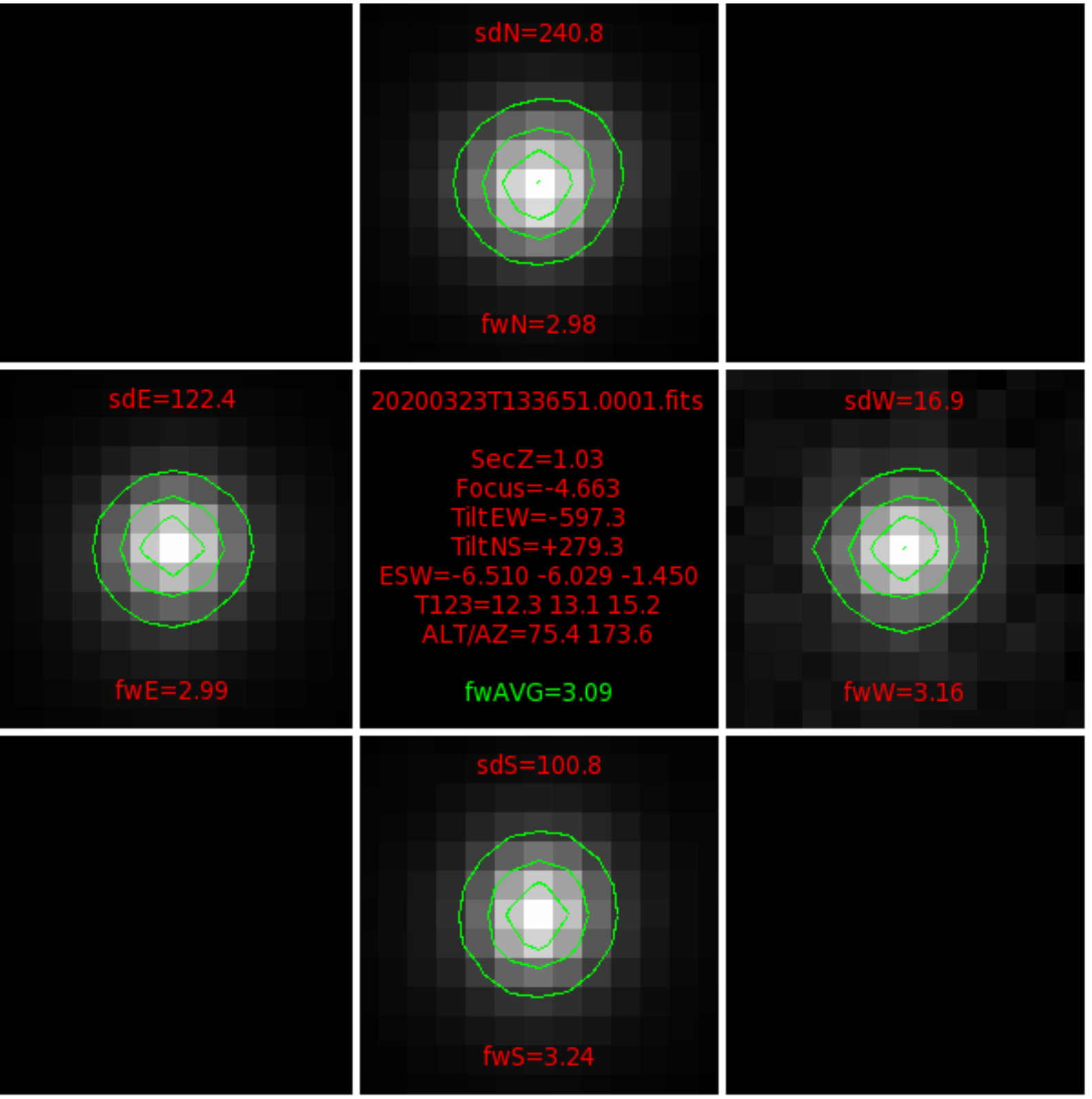
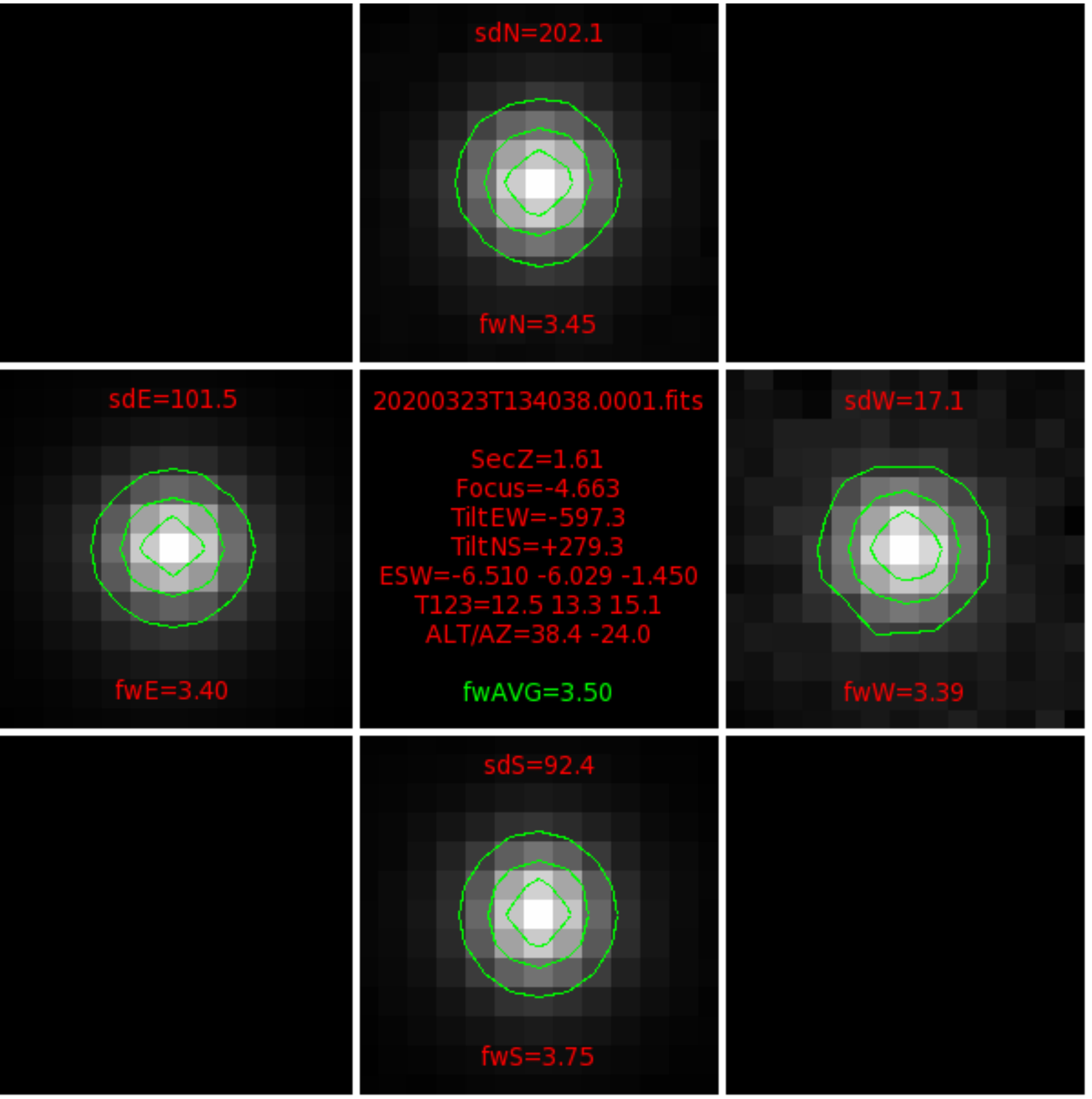

sdN=130.6
fwN=3.46
sdE=65.8
fwE=3.41
20200323T133444.0001.fits
SecZ=1.03
Focus=-4.663
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.510 -6.029 -1.450
T123=12.3 13.1 15.2
ALT/AZ=75.3 171.6
fwAVG=3.49
sdW=9.8
fwW=3.52
sdS=57.3
fwS=3.58
0 0 0 0 0 0 0 0 0


sdN=226.3
fwN=3.22
sdE=111.9
fwE=3.42
20200323T133626.0001.fits
SecZ=1.03
Focus=-4.663
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.510 -6.029 -1.450
T123=12.3 13.1 15.1
ALT/AZ=75.3 173.2
fwAVG=3.39
sdW=14.4
fwW=3.40
sdS=94.8
fwS=3.52
0 0 0 0 0 0 0 0 0


sdN=240.8
fwN=2.98
sdE=122.4
fwE=2.99
20200323T133651.0001.fits
SecZ=1.03
Focus=-4.663
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.510 -6.029 -1.450
T123=12.3 13.1 15.2
ALT/AZ=75.4 173.6
fwAVG=3.09
sdW=16.9
fwW=3.16
sdS=100.8
fwS=3.24
0 0 0 0 0 0 0 0 0


sdN=202.1
fwN=3.45
sdE=101.5
fwE=3.40
20200323T134038.0001.fits
SecZ=1.61
Focus=-4.663
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.510 -6.029 -1.450
T123=12.5 13.3 15.1
ALT/AZ=38.4 -24.0
fwAVG=3.50
sdW=17.1
fwW=3.39
sdS=92.4
fwS=3.75
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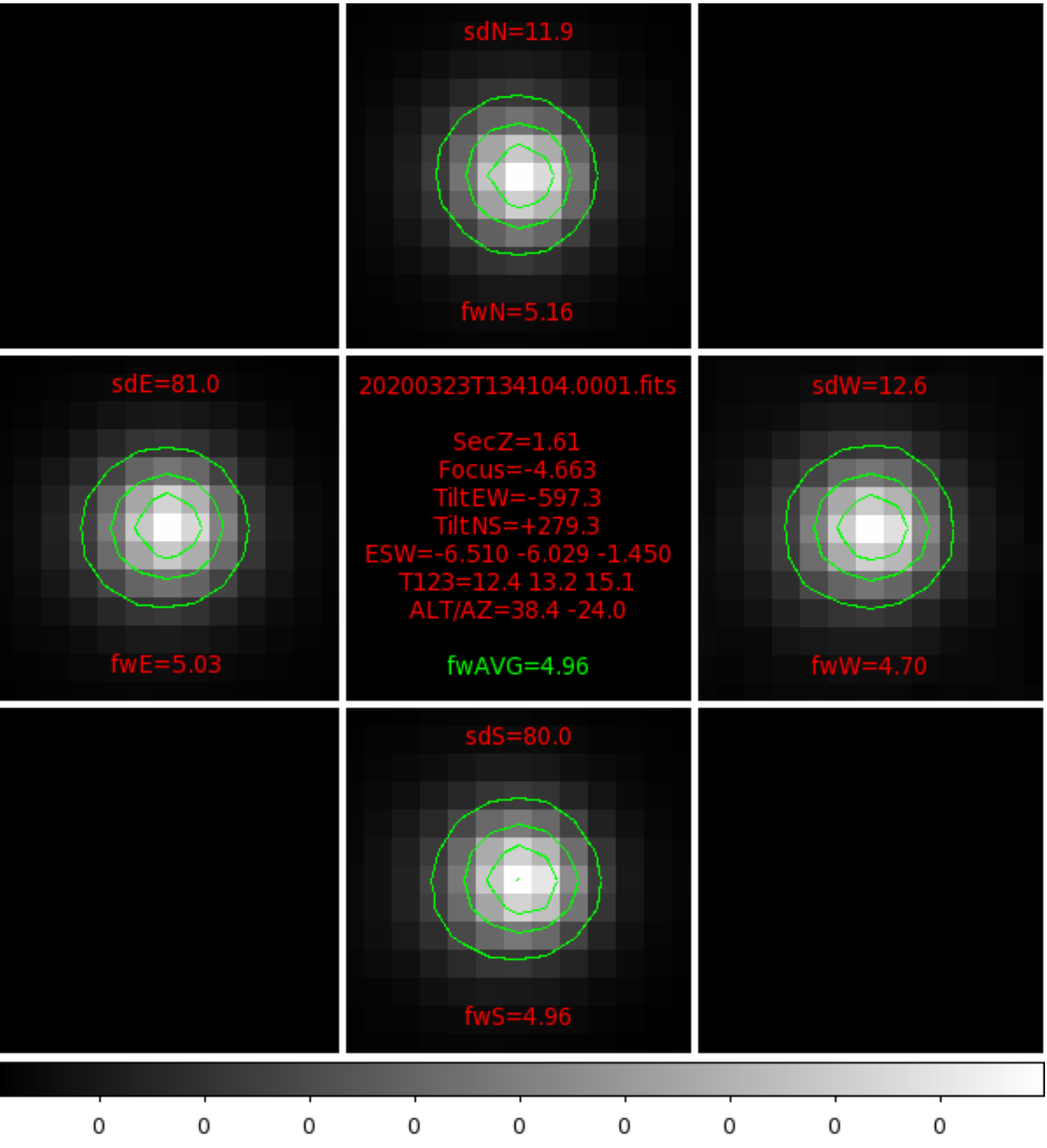
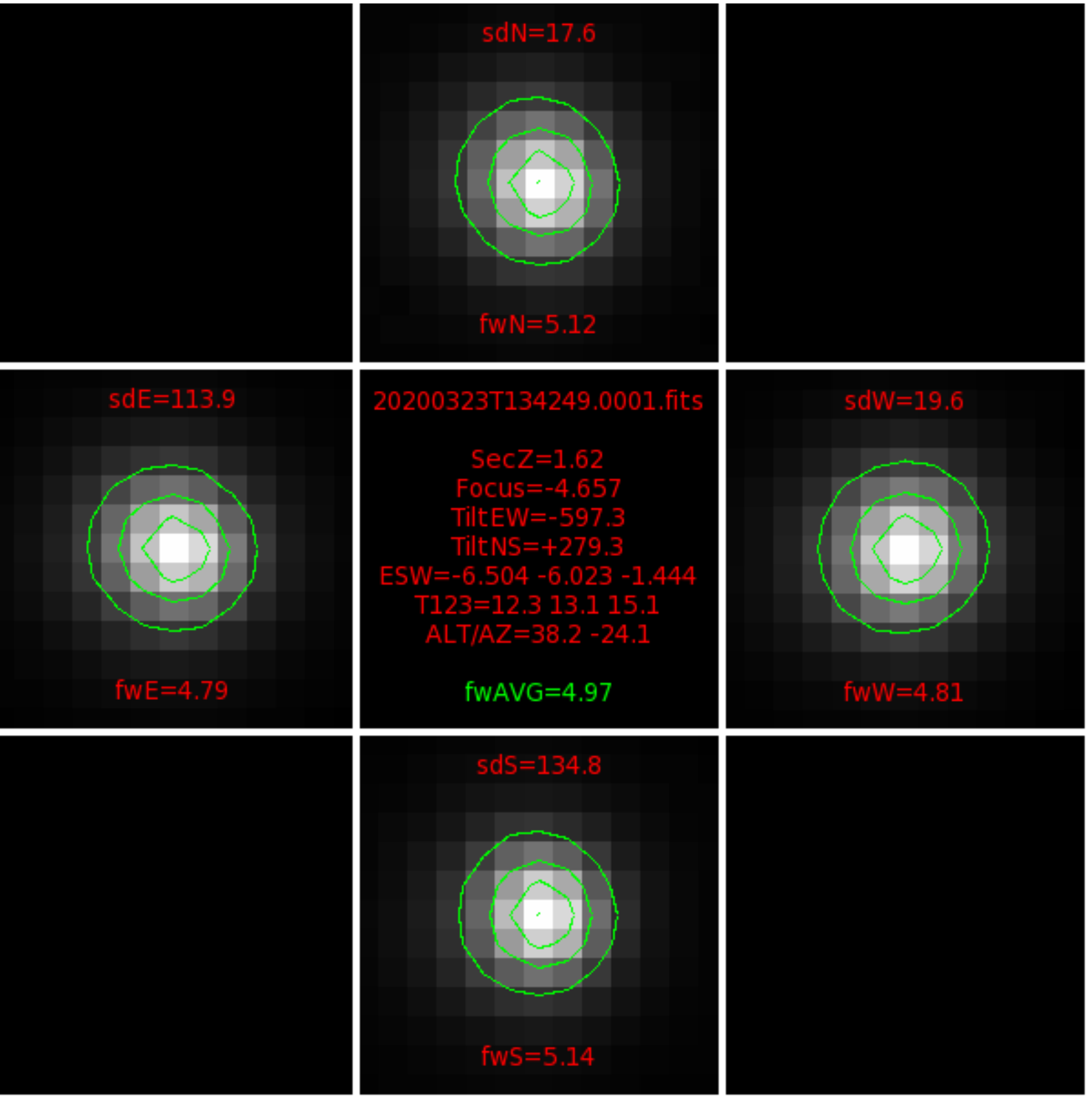

sdN=11.9
fwN=5.16
sdE=81.0
fwE=5.03
20200323T134104.0001.fits
SecZ=1.61
Focus=-4.663
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.510 -6.029 -1.450
T123=12.4 13.2 15.1
ALT/AZ=38.4 -24.0
fwAVG=4.96
sdW=12.6
fwW=4.70
sdS=80.0
fwS=4.96
0 0 0 0 0 0 0 0 0


sdN=17.6
fwN=5.12
sdE=113.9
fwE=4.79
20200323T134249.0001.fits
SecZ=1.62
Focus=-4.657
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.504 -6.023 -1.444
T123=12.3 13.1 15.1
ALT/AZ=38.2 -24.1
fwAVG=4.97
sdW=19.6
fwW=4.81
sdS=134.8
fwS=5.14
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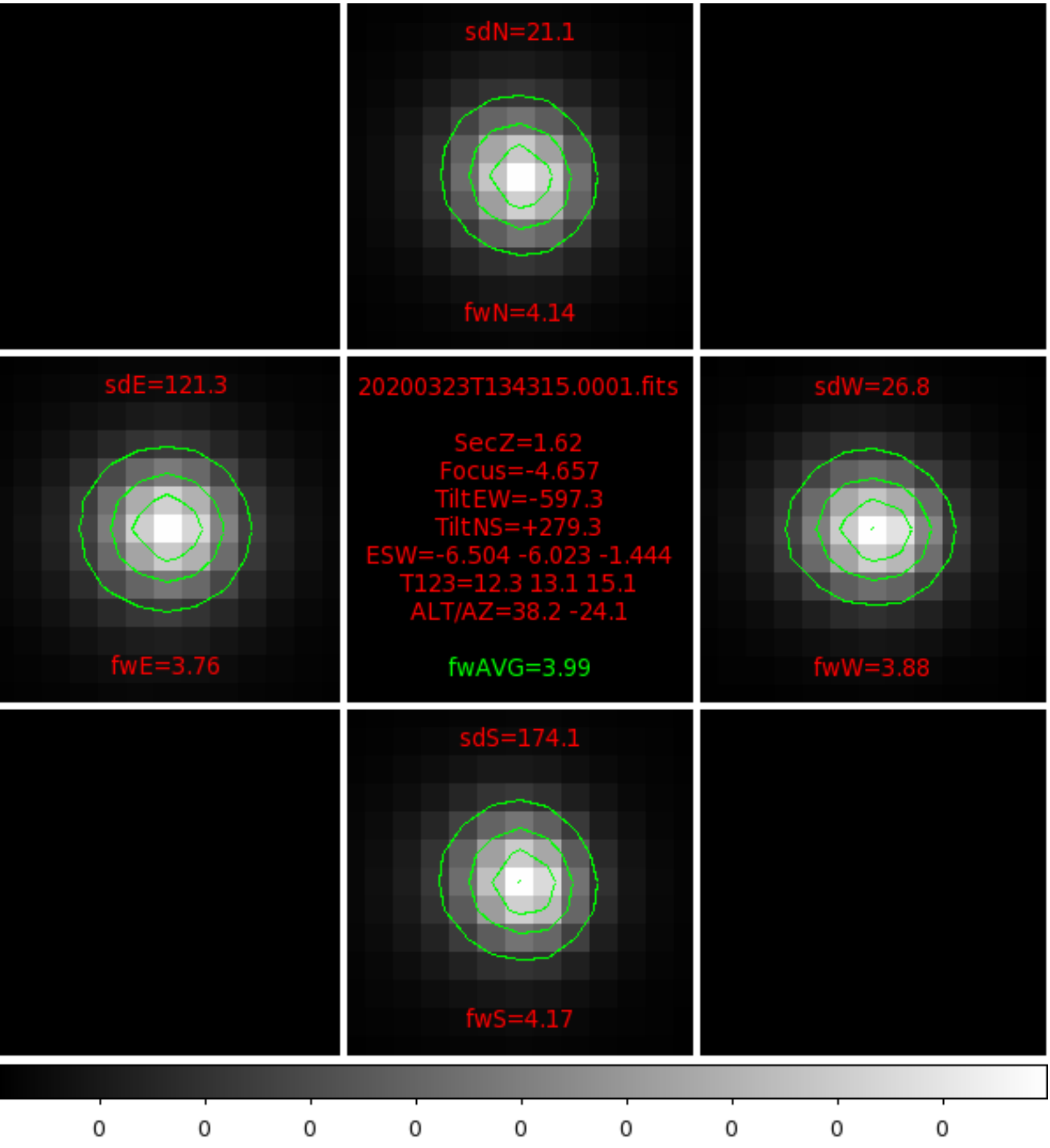
sdN=21.1
fwN=4.14
sdE=121.3
fwE=3.76
20200323T134315.0001.fits
SecZ=1.62
Focus=-4.657
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.504 -6.023 -1.444
T123=12.3 13.1 15.1
ALT/AZ=38.2 -24.1
fwAVG=3.99
sdW=26.8
fwW=3.88
sdS=174.1
fwS=4.17
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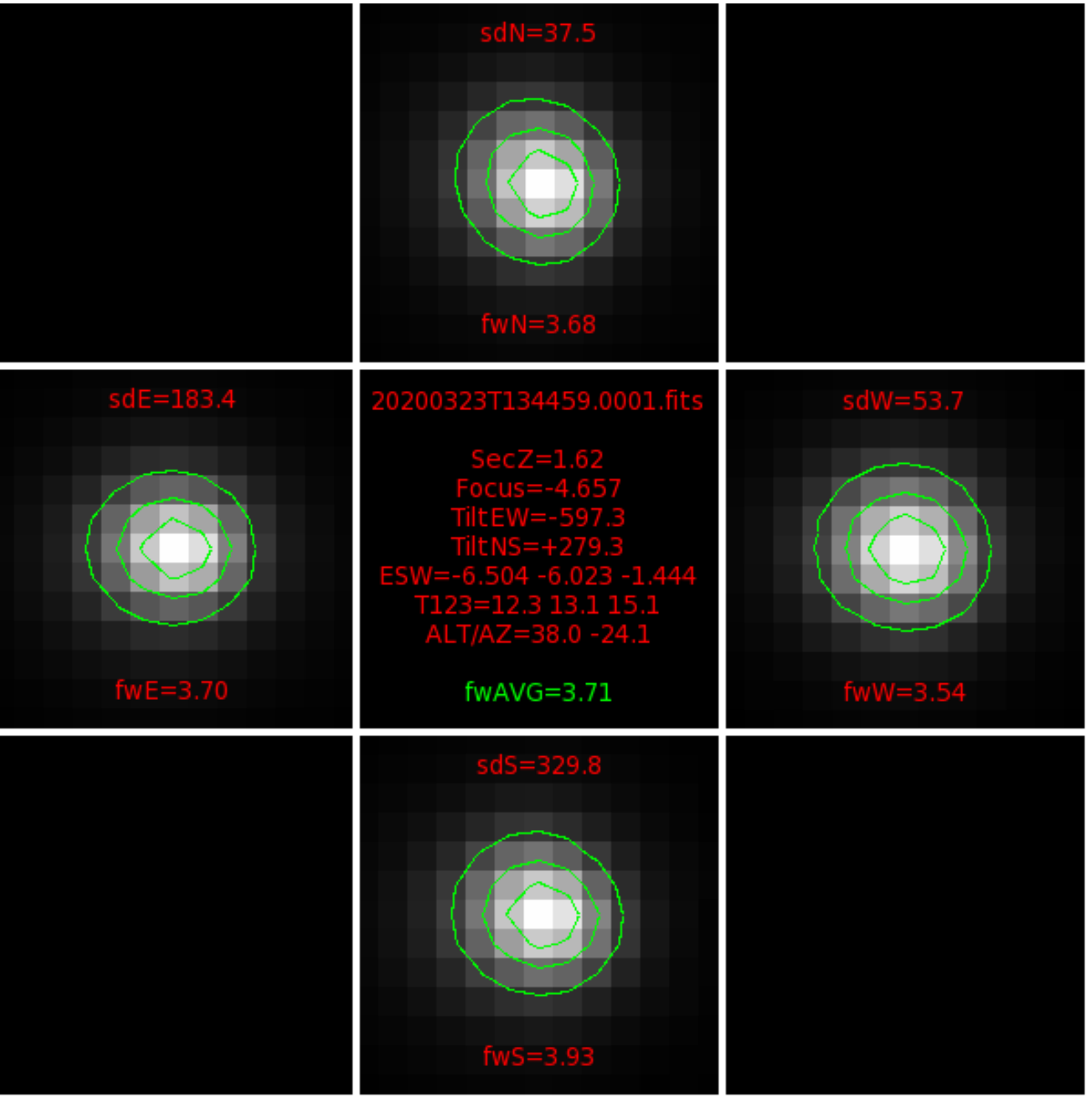
sdN=37.5
fwN=3.68
sdE=183.4
fwE=3.70
20200323T134459.0001.fits
SecZ=1.62
Focus=-4.657
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.504 -6.023 -1.444
T123=12.3 13.1 15.1
ALT/AZ=38.0 -24.1
fwAVG=3.71
sdW=53.7
fwW=3.54
sdS=329.8
fwS=3.93
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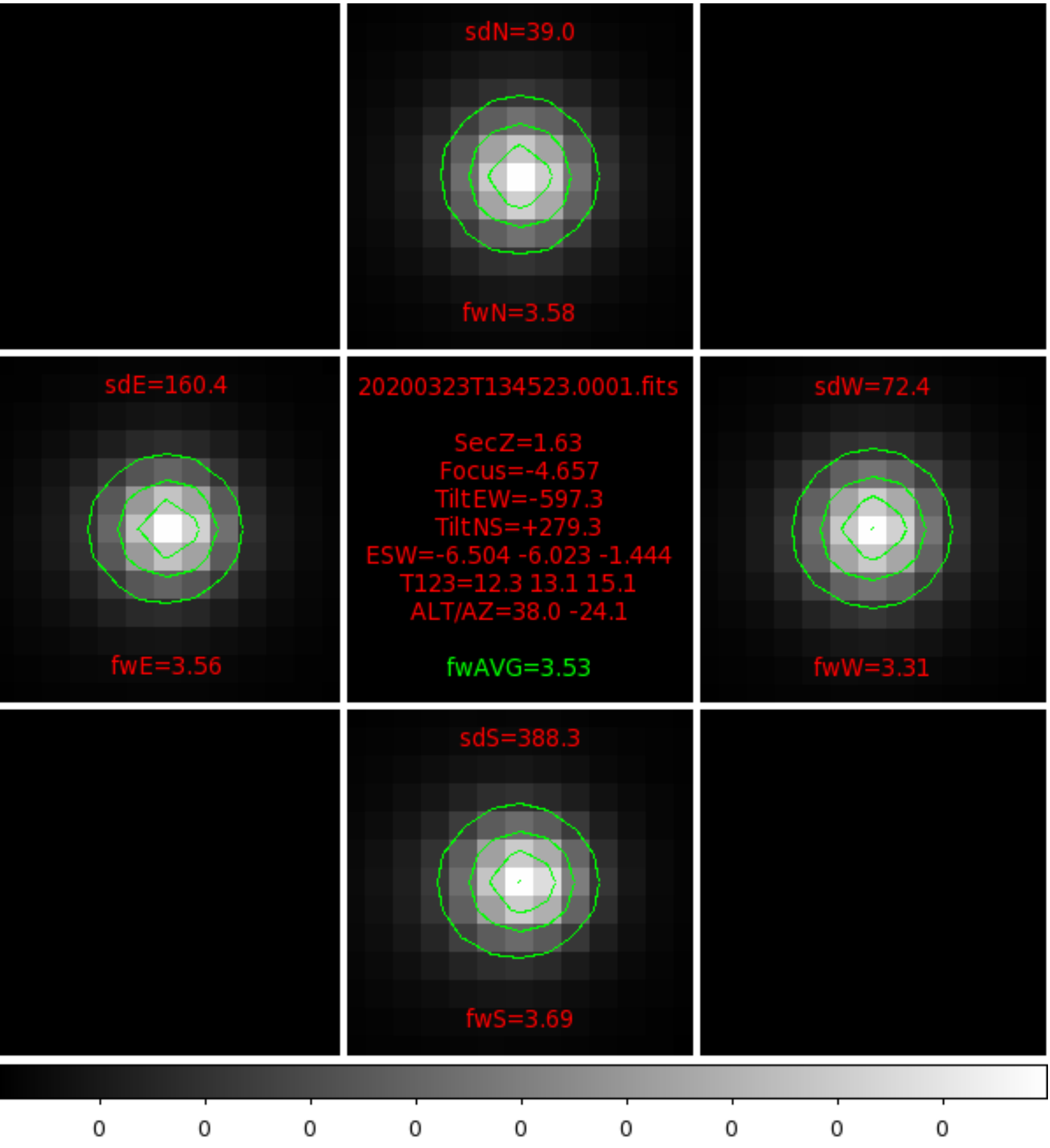
sdN=39.0
fwN=3.58
sdE=160.4
fwE=3.56
20200323T134523.0001.fits
SecZ=1.63
Focus=-4.657
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.504 -6.023 -1.444
T123=12.3 13.1 15.1
ALT/AZ=38.0 -24.1
fwAVG=3.53
sdW=72.4
fwW=3.31
sdS=388.3
fwS=3.69
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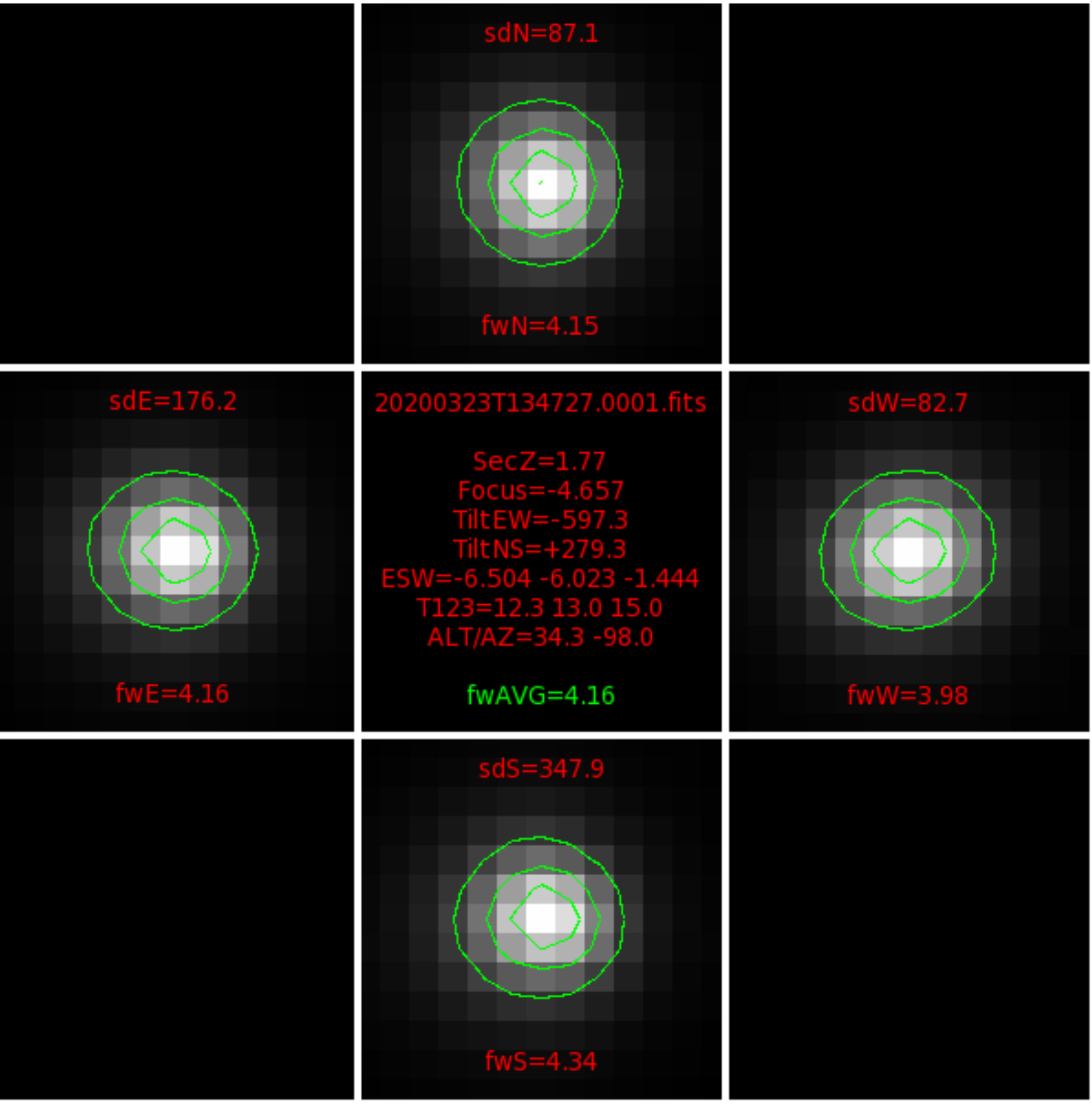
sdN=87.1
fwN=4.15
sdE=176.2
fwE=4.16
20200323T134727.0001.fits
SecZ=1.77
Focus=-4.657
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.504 -6.023 -1.444
T123=12.3 13.0 15.0
ALT/AZ=34.3 -98.0
fwAVG=4.16
sdW=82.7
fwW=3.98
sdS=347.9
fwS=4.34
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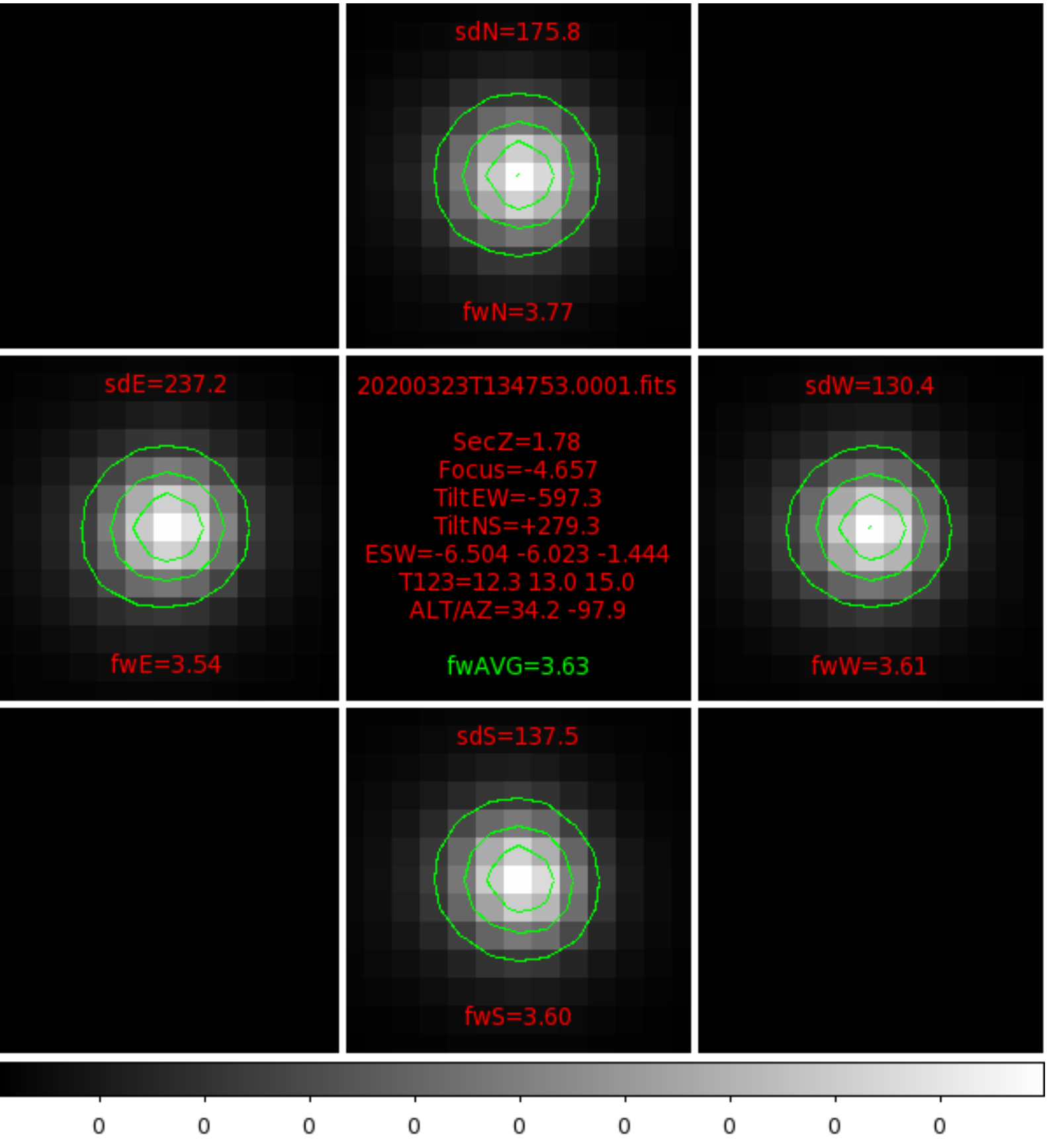
sdN=175.8
fwN=3.77
sdE=237.2
fwE=3.54
20200323T134753.0001.fits
SecZ=1.78
Focus=-4.657
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.504 -6.023 -1.444
T123=12.3 13.0 15.0
ALT/AZ=34.2 -97.9
fwAVG=3.63
sdW=130.4
fwW=3.61
sdS=137.5
fwS=3.60
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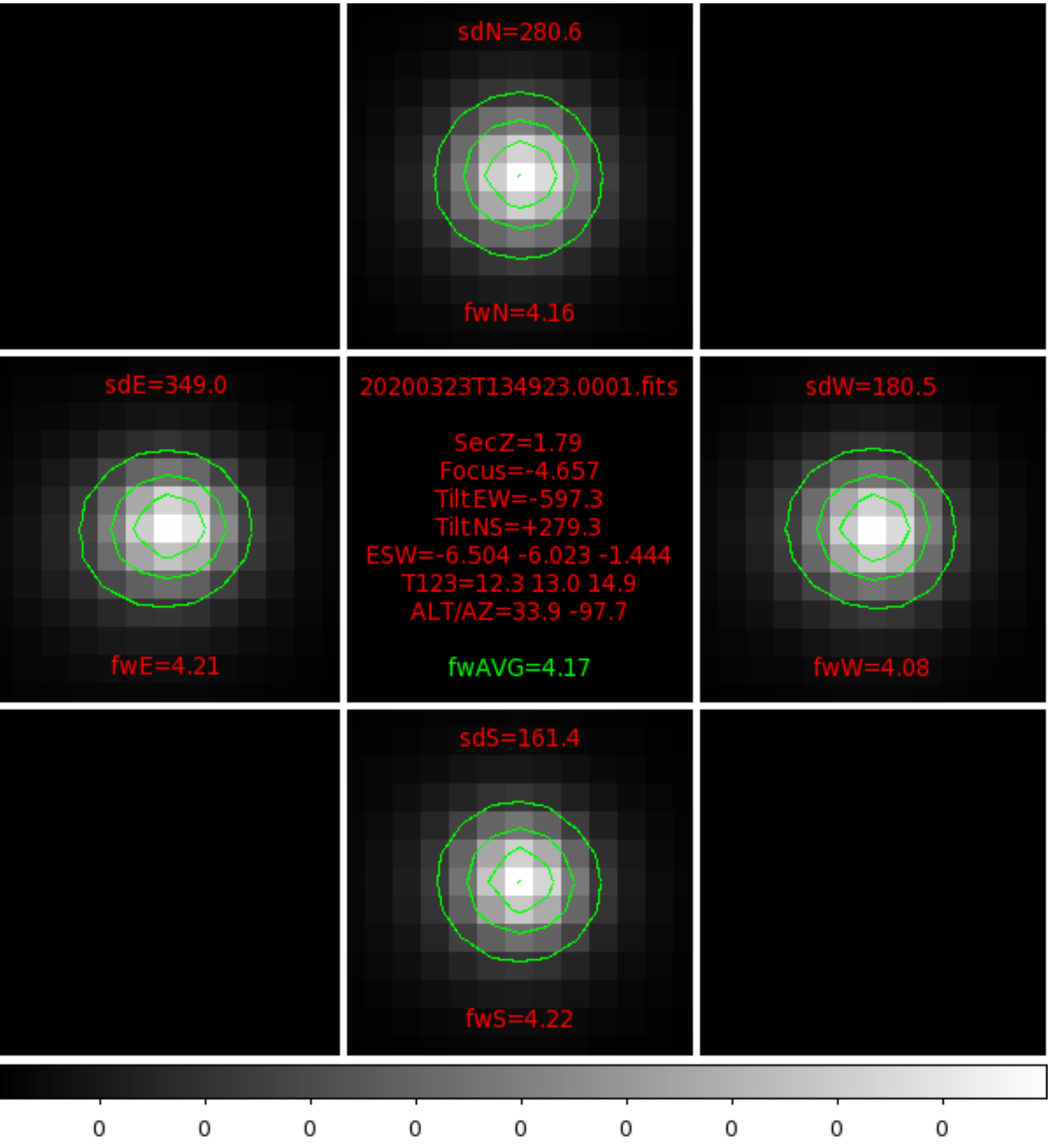
sdN=280.6
fwN=4.16
sdE=349.0
fwE=4.21
20200323T134923.0001.fits
SecZ=1.79
Focus=-4.657
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.504 -6.023 -1.444
T123=12.3 13.0 14.9
ALT/AZ=33.9 -97.7
fwAVG=4.17
sdW=180.5
fwW=4.08
sdS=161.4
fwS=4.22
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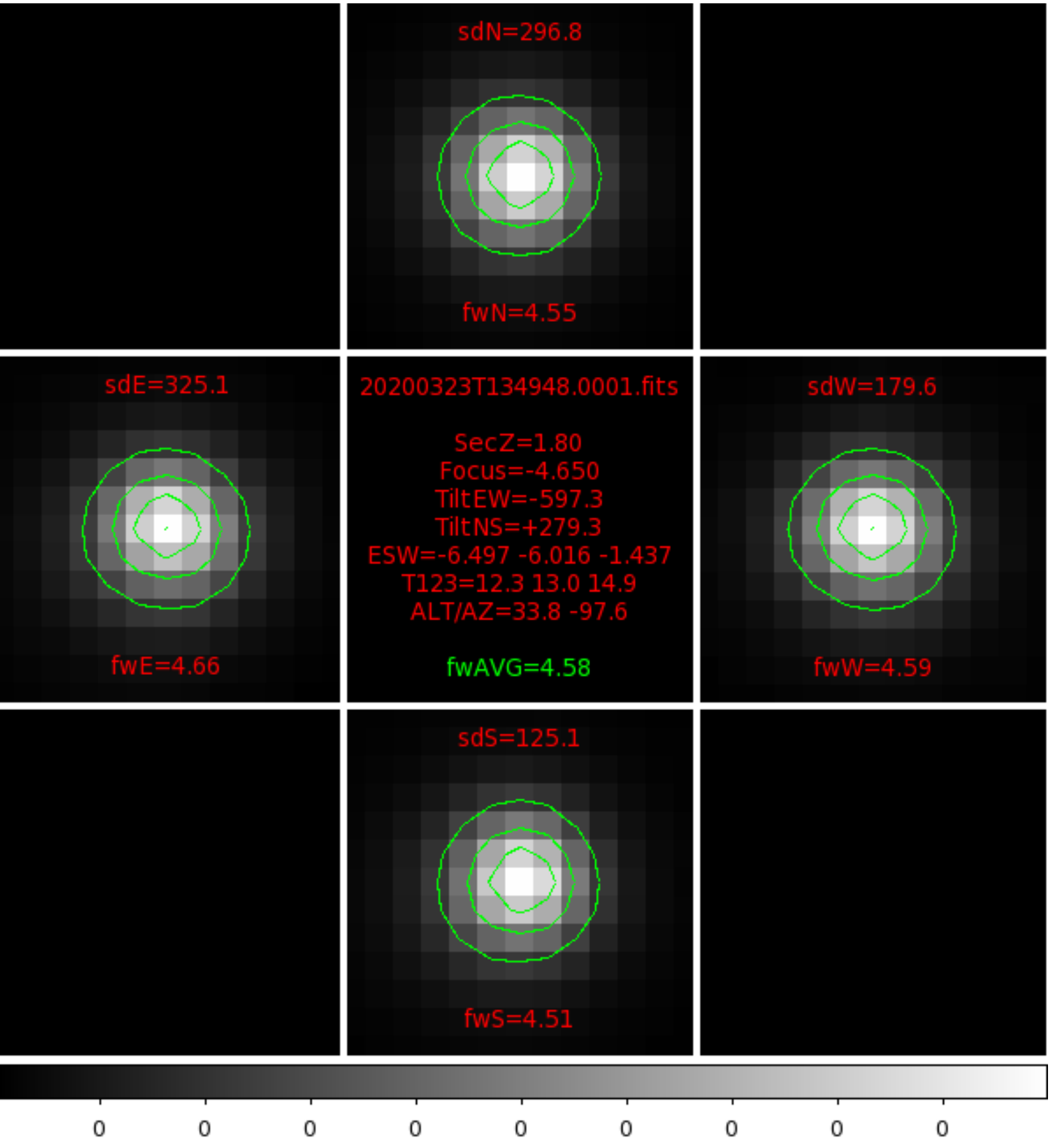
sdN=296.8
fwN=4.55
sdE=325.1
fwE=4.66
20200323T134948.0001.fits
SecZ=1.80
Focus=-4.650
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.497 -6.016 -1.437
T123=12.3 13.0 14.9
ALT/AZ=33.8 -97.6
fwAVG=4.58
sdW=179.6
fwW=4.59
sdS=125.1
fwS=4.51
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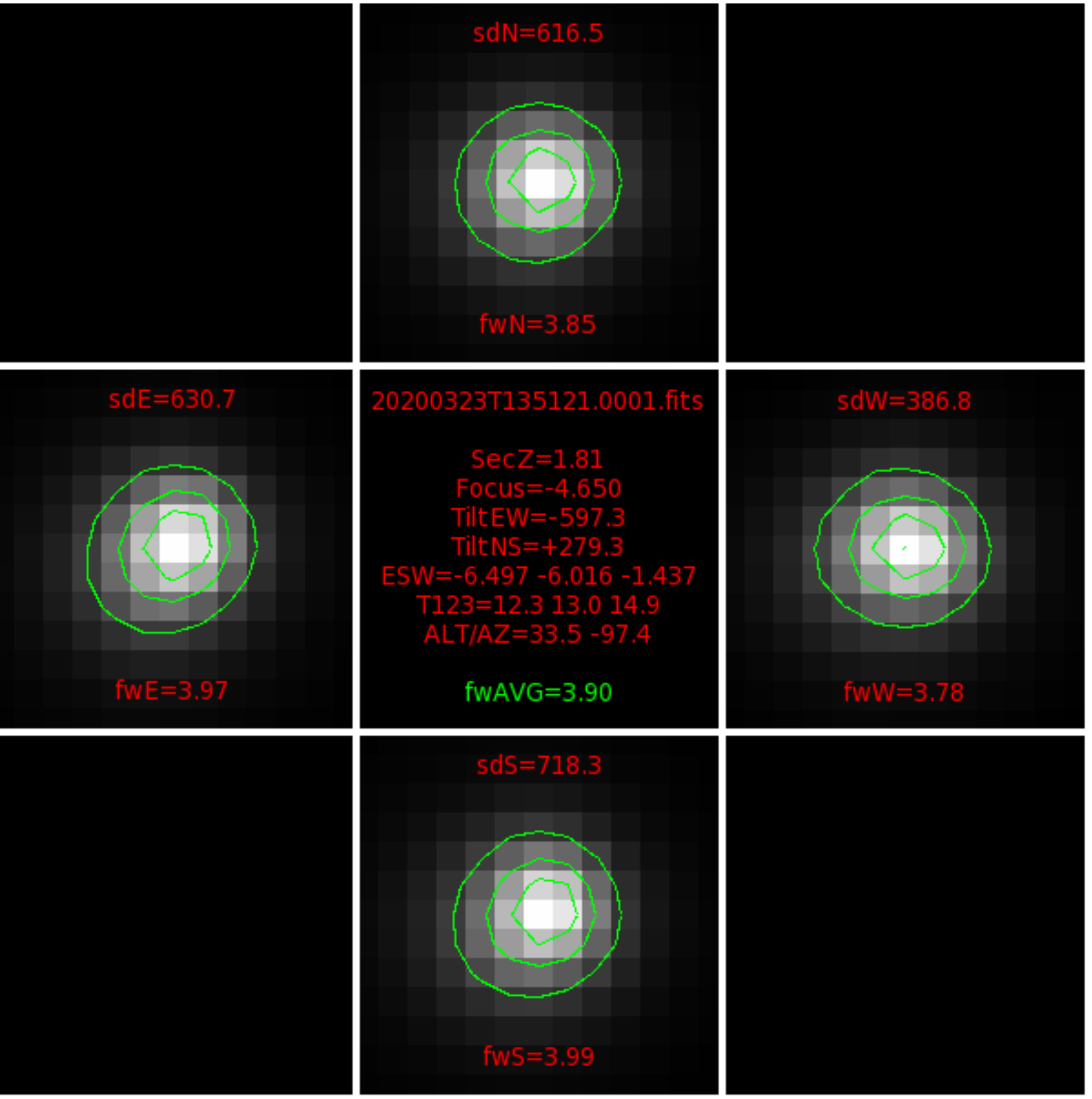
sdN=616.5
fwN=3.85
sdE=630.7
fwE=3.97
20200323T135121.0001.fits
SecZ=1.81
Focus=-4.650
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.497 -6.016 -1.437
T123=12.3 13.0 14.9
ALT/AZ=33.5 -97.4
fwAVG=3.90
sdW=386.8
fwW=3.78
sdS=718.3
fwS=3.99
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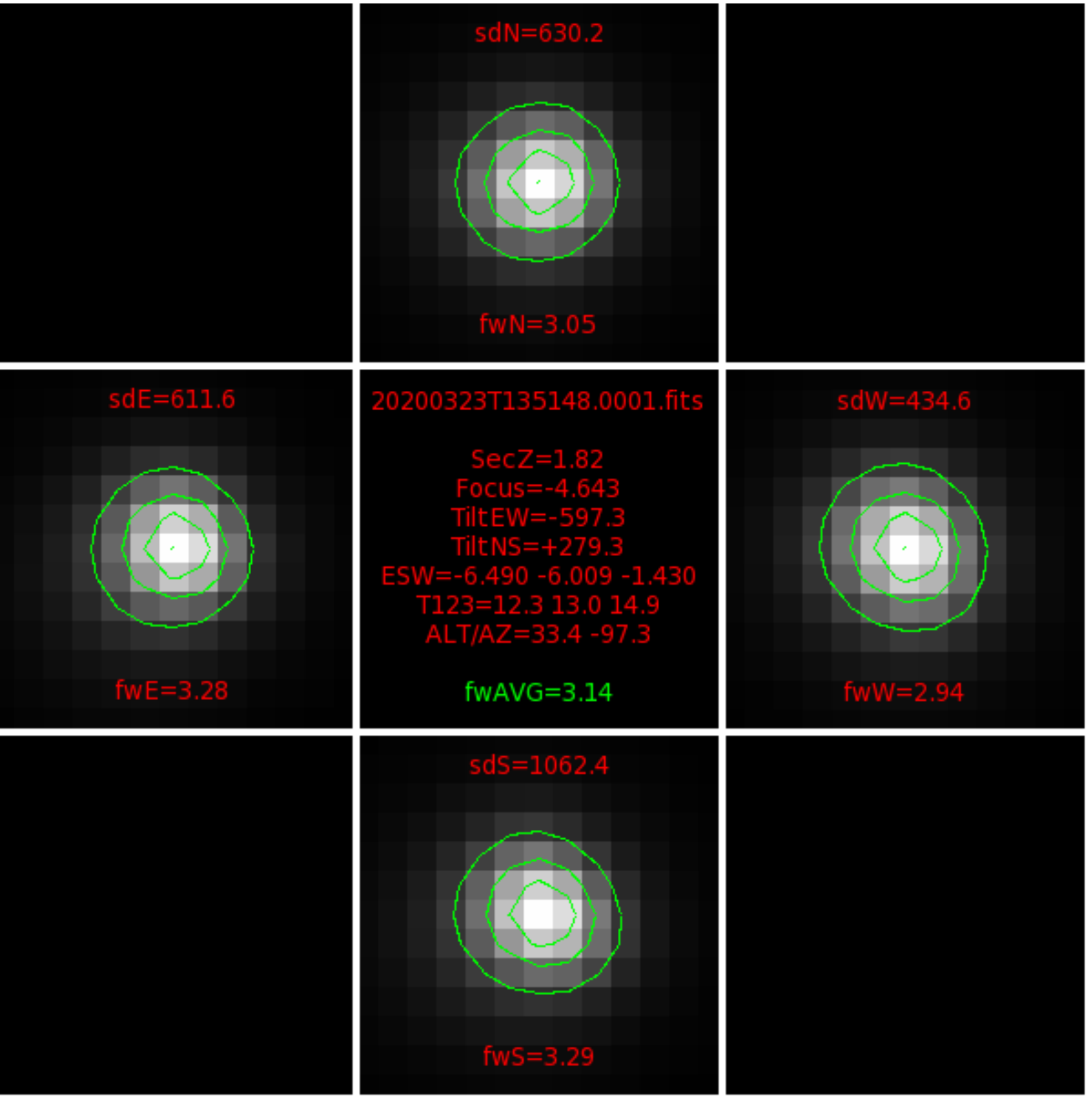
sdN=630.2
fwN=3.05
sdE=611.6
fwE=3.28
20200323T135148.0001.fits
SecZ=1.82
Focus=-4.643
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.490 -6.009 -1.430
T123=12.3 13.0 14.9
ALT/AZ=33.4 -97.3
fwAVG=3.14
sdW=434.6
fwW=2.94
sdS=1062.4
fwS=3.29
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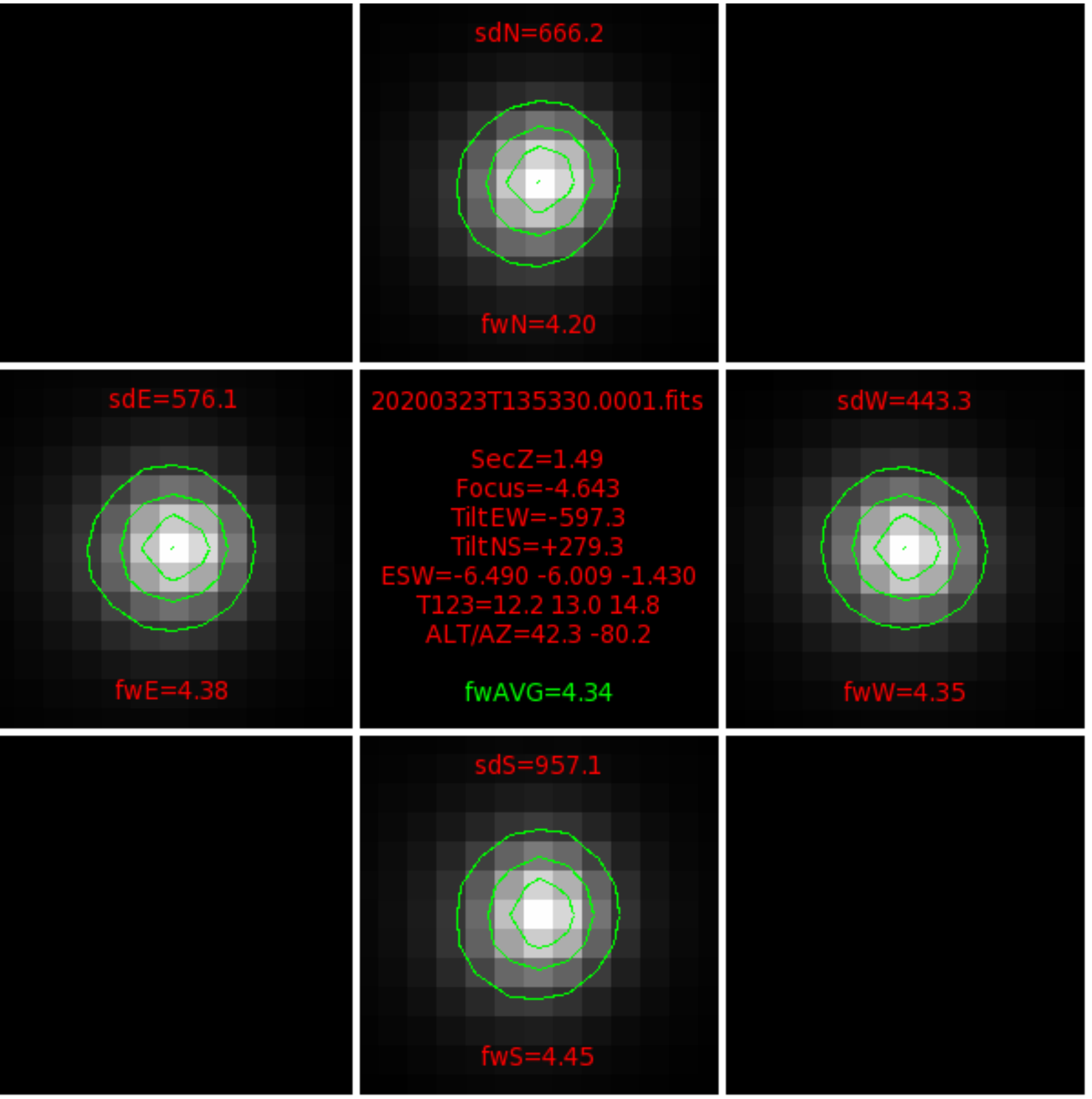
sdN=666.2
fwN=4.20
sdE=576.1
fwE=4.38
20200323T135330.0001.fits
SecZ=1.49
Focus=-4.643
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.490 -6.009 -1.430
T123=12.2 13.0 14.8
ALT/AZ=42.3 -80.2
fwAVG=4.34
sdW=443.3
fwW=4.35
sdS=957.1
fwS=4.45
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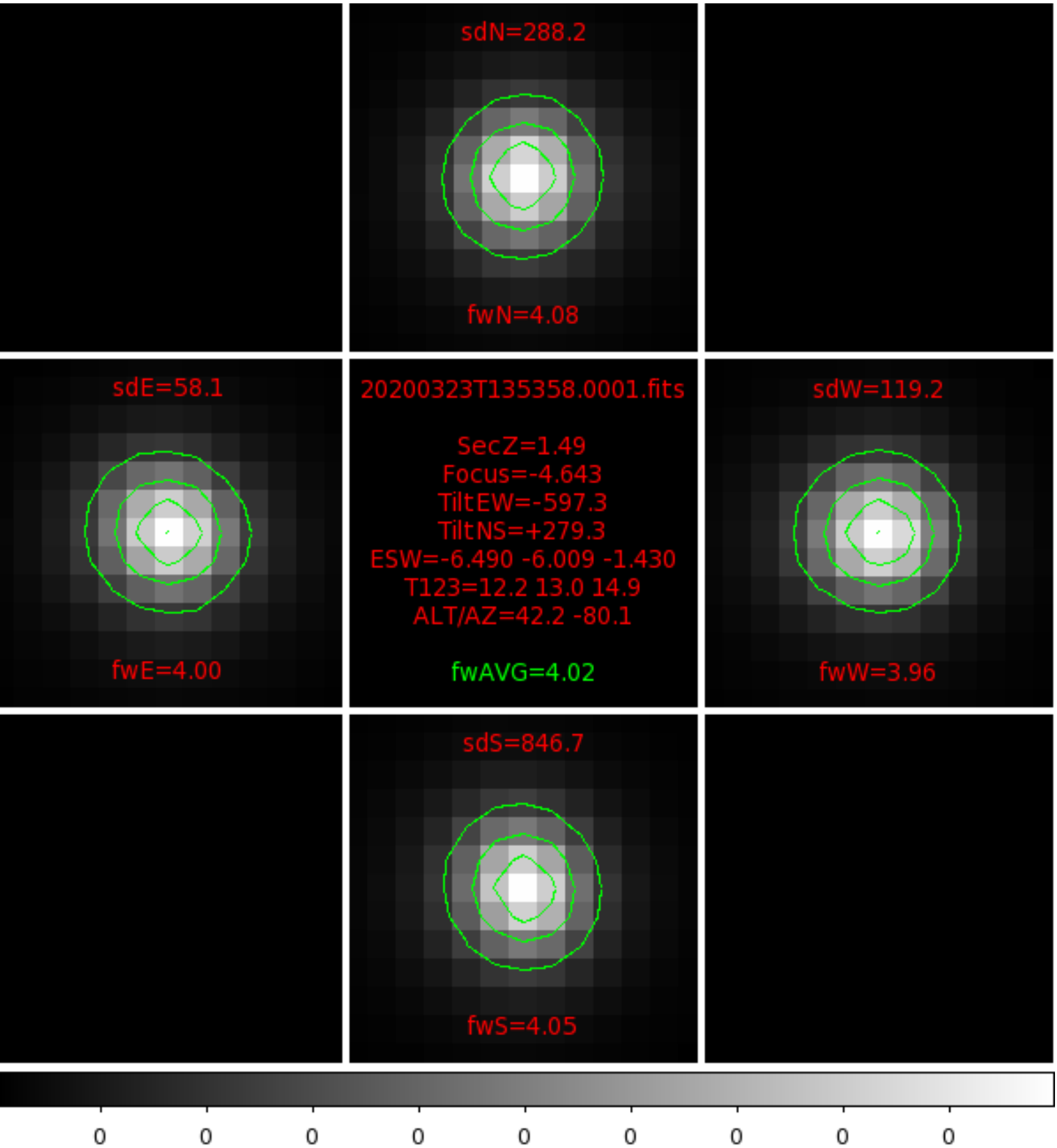
sdN=288.2
fwN=4.08
sdE=58.1
fwE=4.00
20200323T135358.0001.fits
SecZ=1.49
Focus=-4.643
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.490 -6.009 -1.430
T123=12.2 13.0 14.9
ALT/AZ=42.2 -80.1
fwAVG=4.02
sdW=119.2
fwW=3.96
sdS=846.7
fwS=4.05
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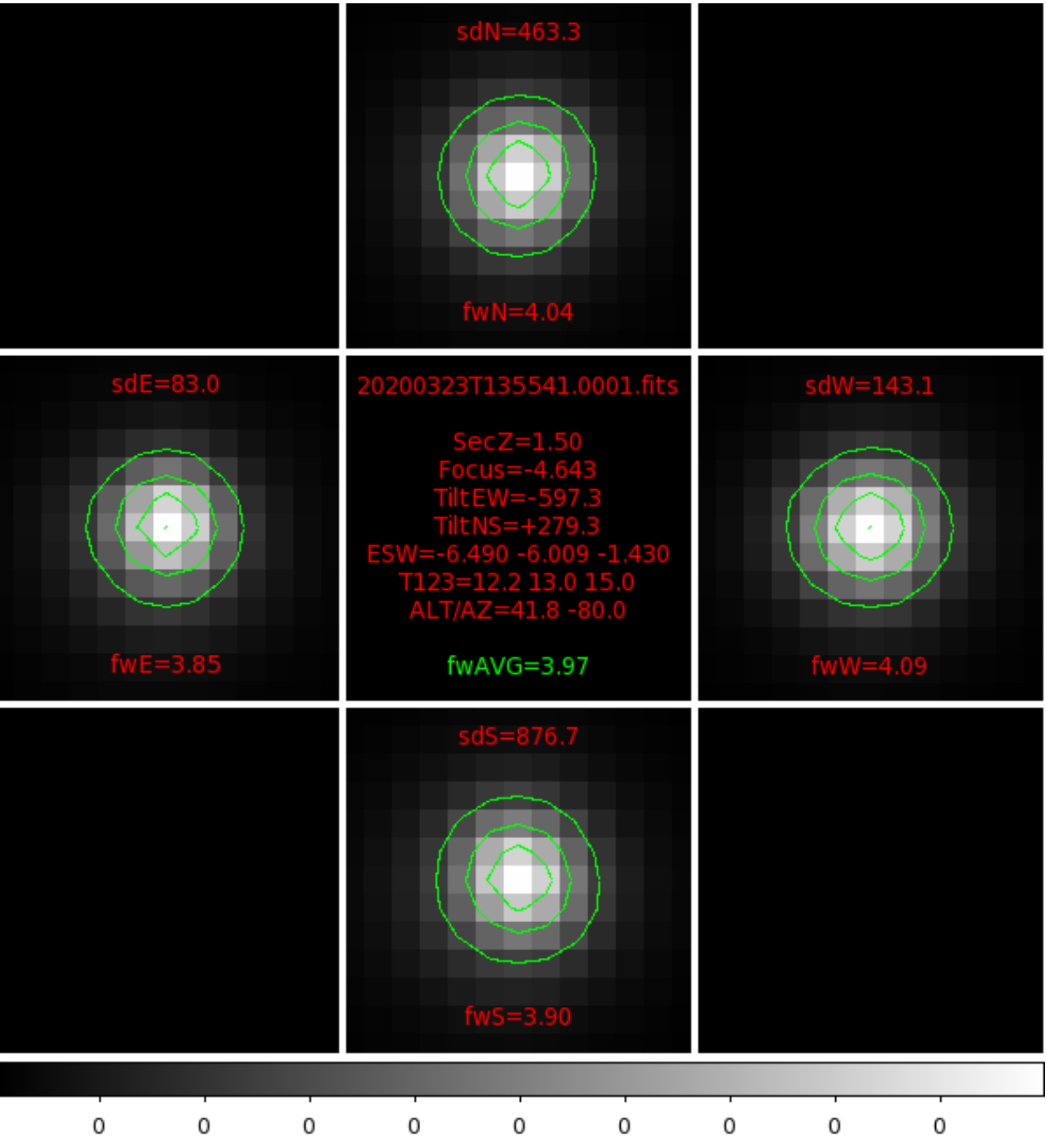
sdN=463.3
fwN=4.04
sdE=83.0
fwE=3.85
20200323T135541.0001.fits
SecZ=1.50
Focus=-4.643
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.490 -6.009 -1.430
T123=12.2 13.0 15.0
ALT/AZ=41.8 -80.0
fwAVG=3.97
sdW=143.1
fwW=4.09
sdS=876.7
fwS=3.90
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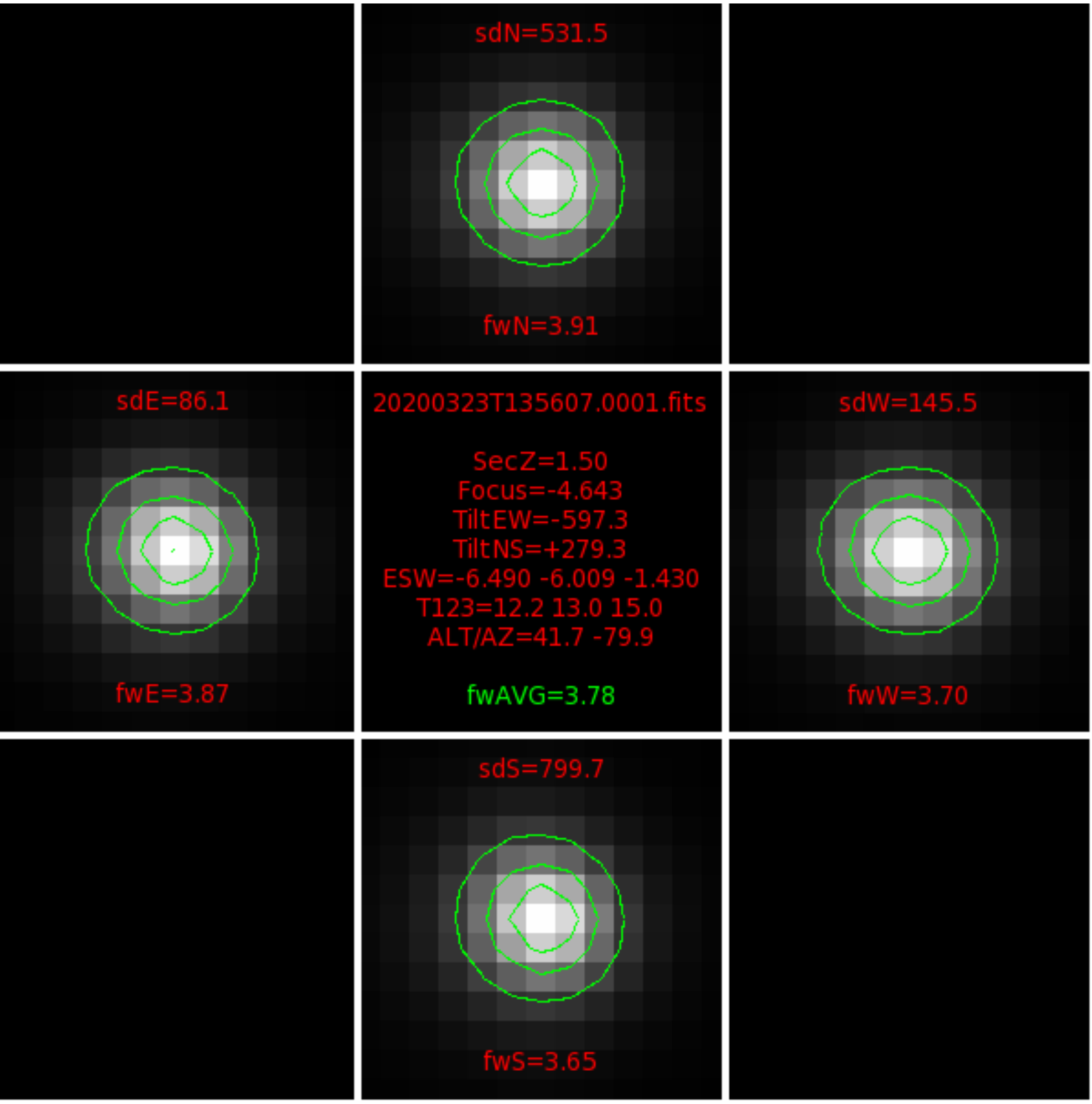
sdN=531.5
fwN=3.91
sdE=86.1
fwE=3.87
20200323T135607.0001.fits
SecZ=1.50
Focus=-4.643
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.490 -6.009 -1.430
T123=12.2 13.0 15.0
ALT/AZ=41.7 -79.9
fwAVG=3.78
sdW=145.5
fwW=3.70
sdS=799.7
fwS=3.65
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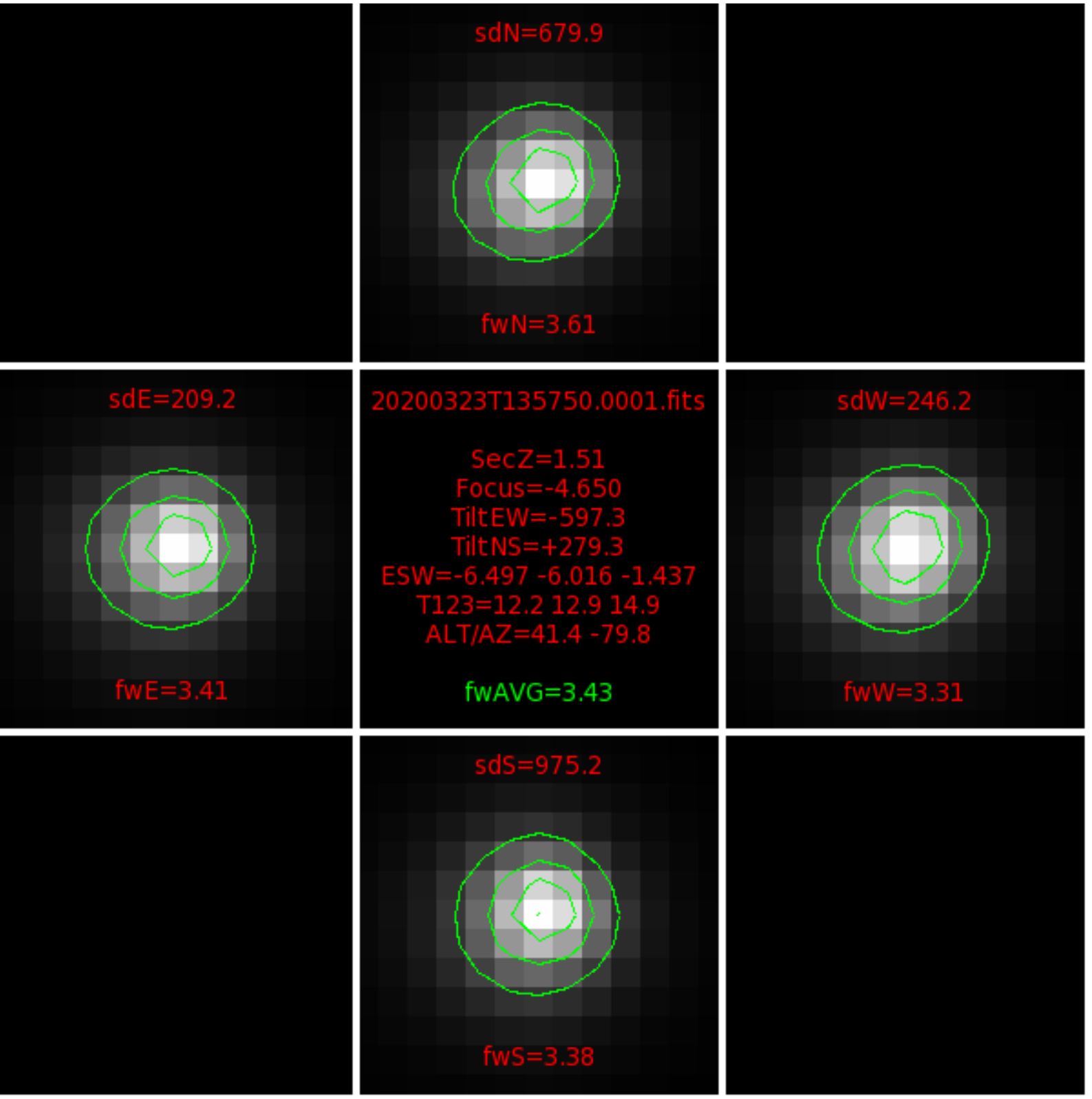
sdN=679.9
fwN=3.61
sdE=209.2
fwE=3.41
20200323T135750.0001.fits
SecZ=1.51
Focus=-4.650
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.497 -6.016 -1.437
T123=12.2 12.9 14.9
ALT/AZ=41.4 -79.8
fwAVG=3.43
sdW=246.2
fwW=3.31
sdS=975.2
fwS=3.38
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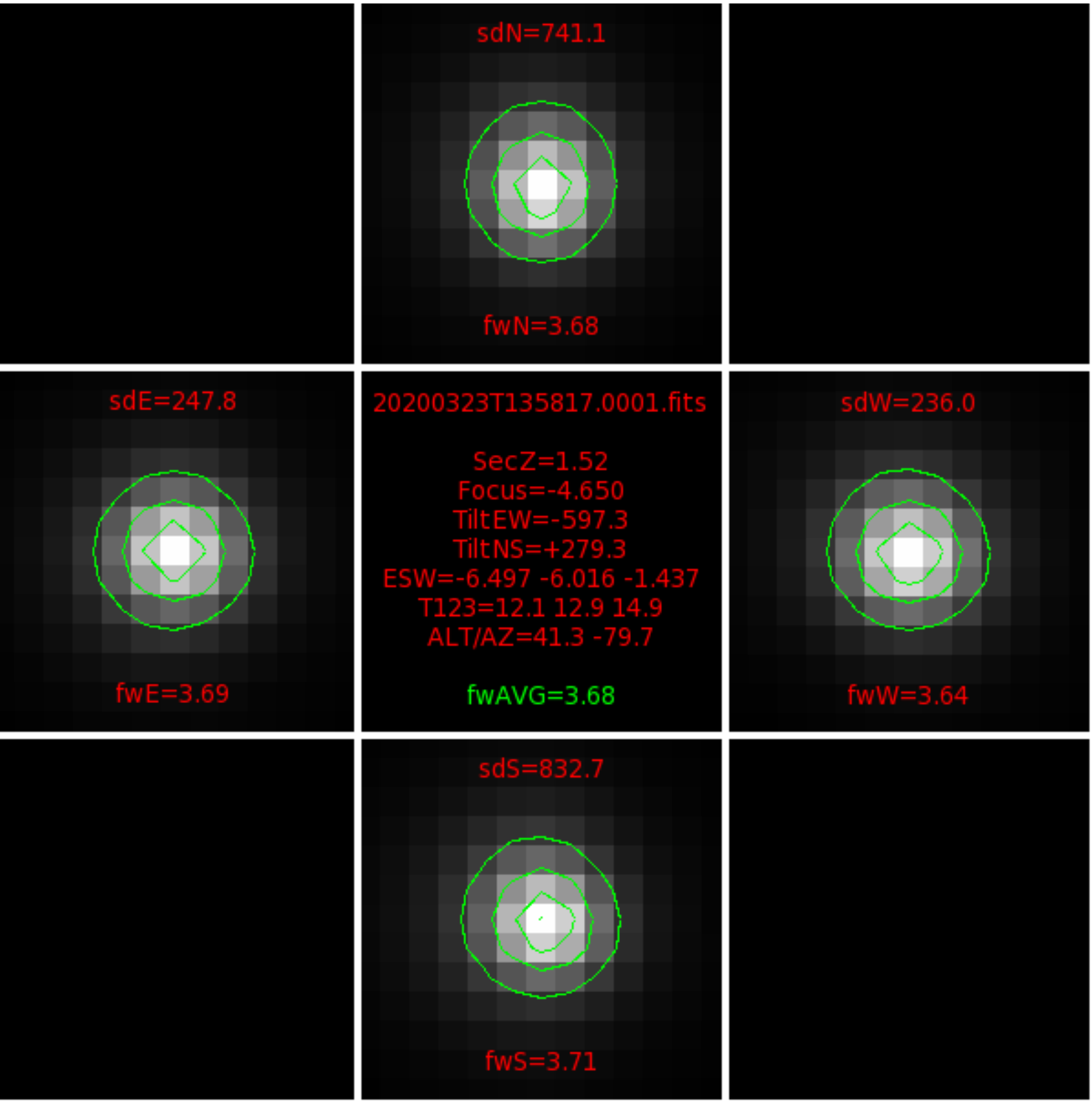
sdN=741.1
fwN=3.68
sdE=247.8
fwE=3.69
20200323T135817.0001.fits
SecZ=1.52
Focus=-4.650
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.497 -6.016 -1.437
T123=12.1 12.9 14.9
ALT/AZ=41.3 -79.7
fwAVG=3.68
sdW=236.0
fwW=3.64
sdS=832.7
fwS=3.71
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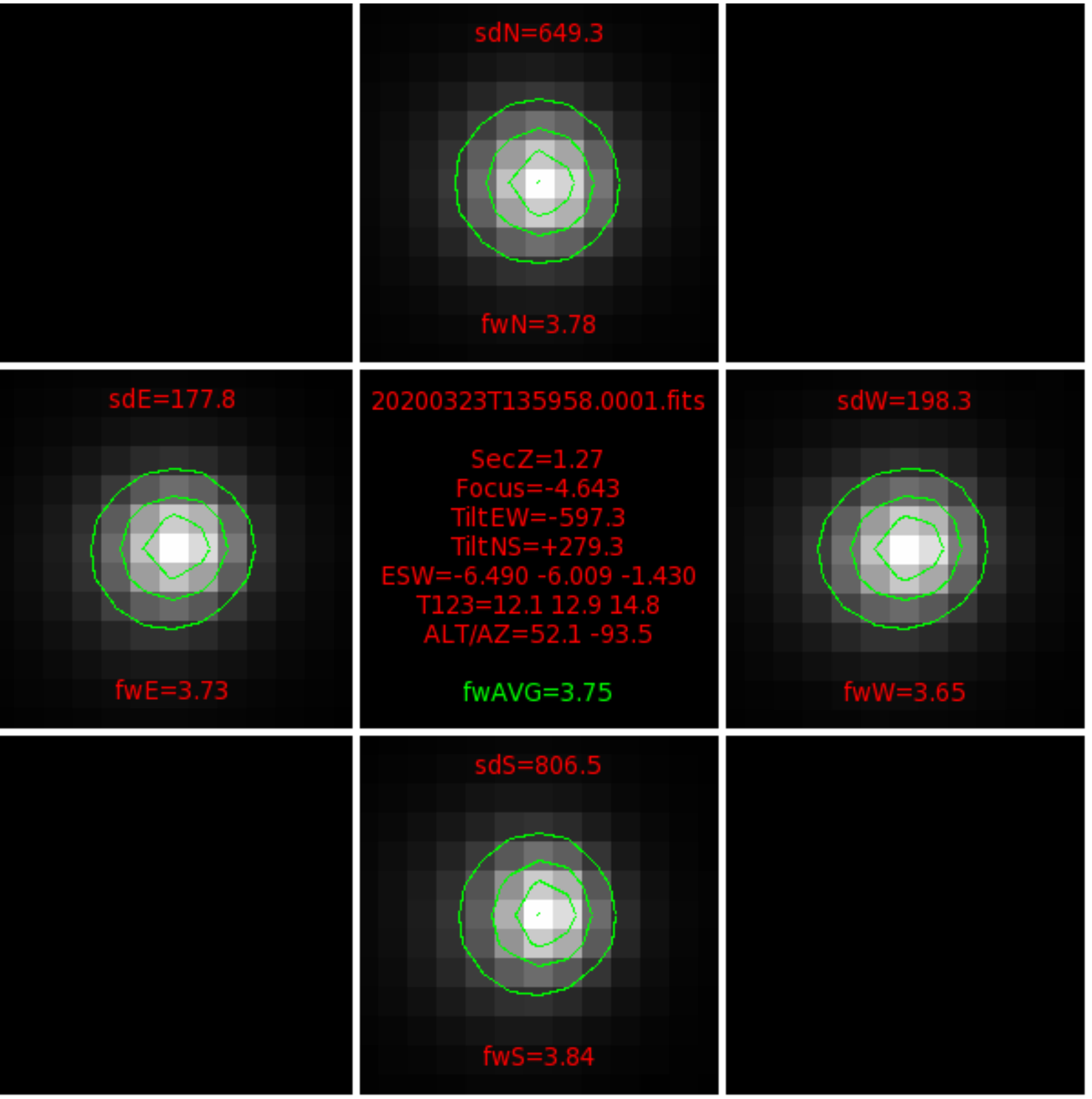
sdN=649.3
fwN=3.78
sdE=177.8
fwE=3.73
20200323T135958.0001.fits
SecZ=1.27
Focus=-4.643
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.490 -6.009 -1.430
T123=12.1 12.9 14.8
ALT/AZ=52.1 -93.5
fwAVG=3.75
sdW=198.3
fwW=3.65
sdS=806.5
fwS=3.84
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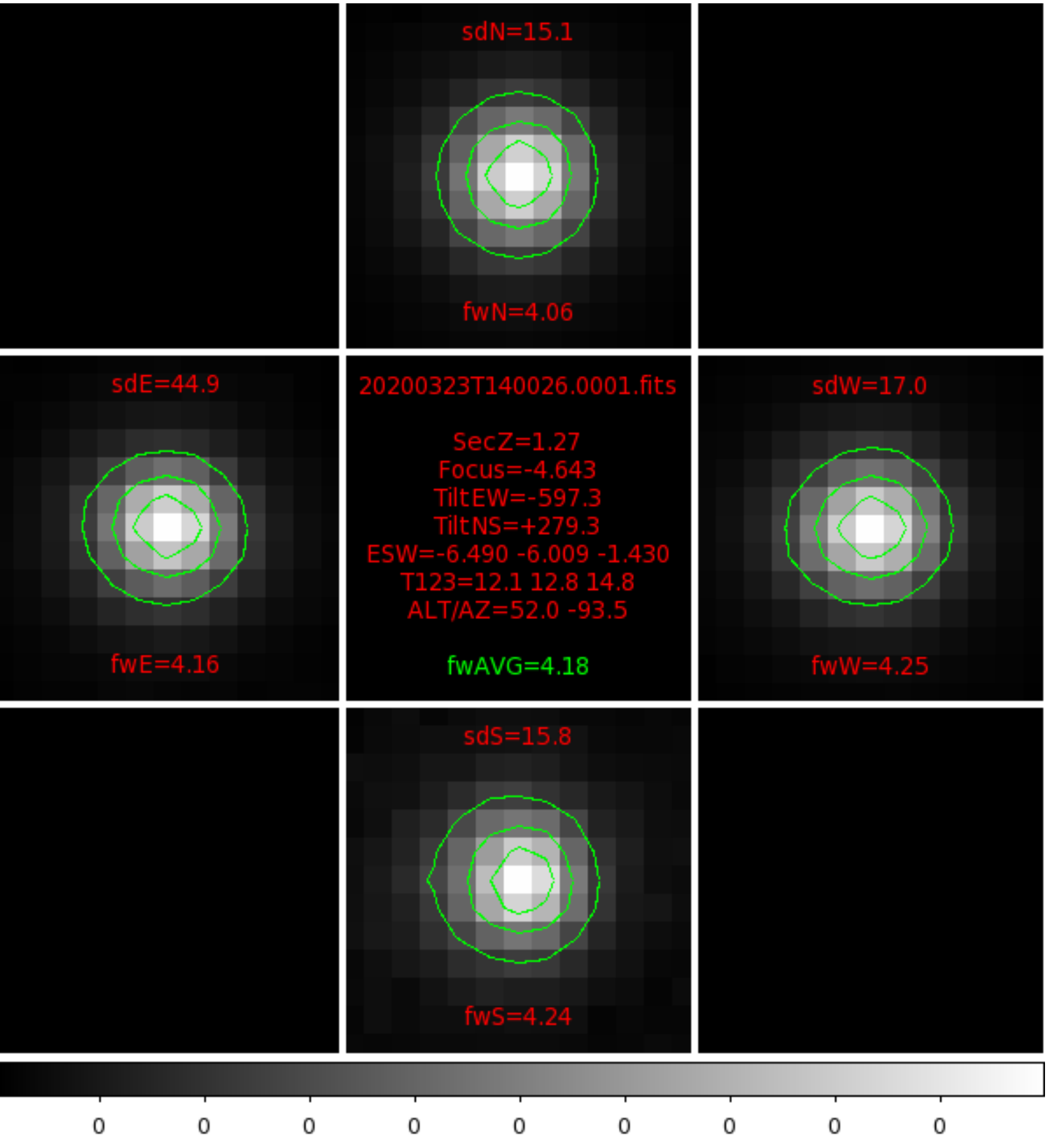
sdN=15.1
fwN=4.06
sdE=44.9
fwE=4.16
20200323T140026.0001.fits
SecZ=1.27
Focus=-4.643
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.490 -6.009 -1.430
T123=12.1 12.8 14.8
ALT/AZ=52.0 -93.5
fwAVG=4.18
sdW=17.0
fwW=4.25
sdS=15.8
fwS=4.24
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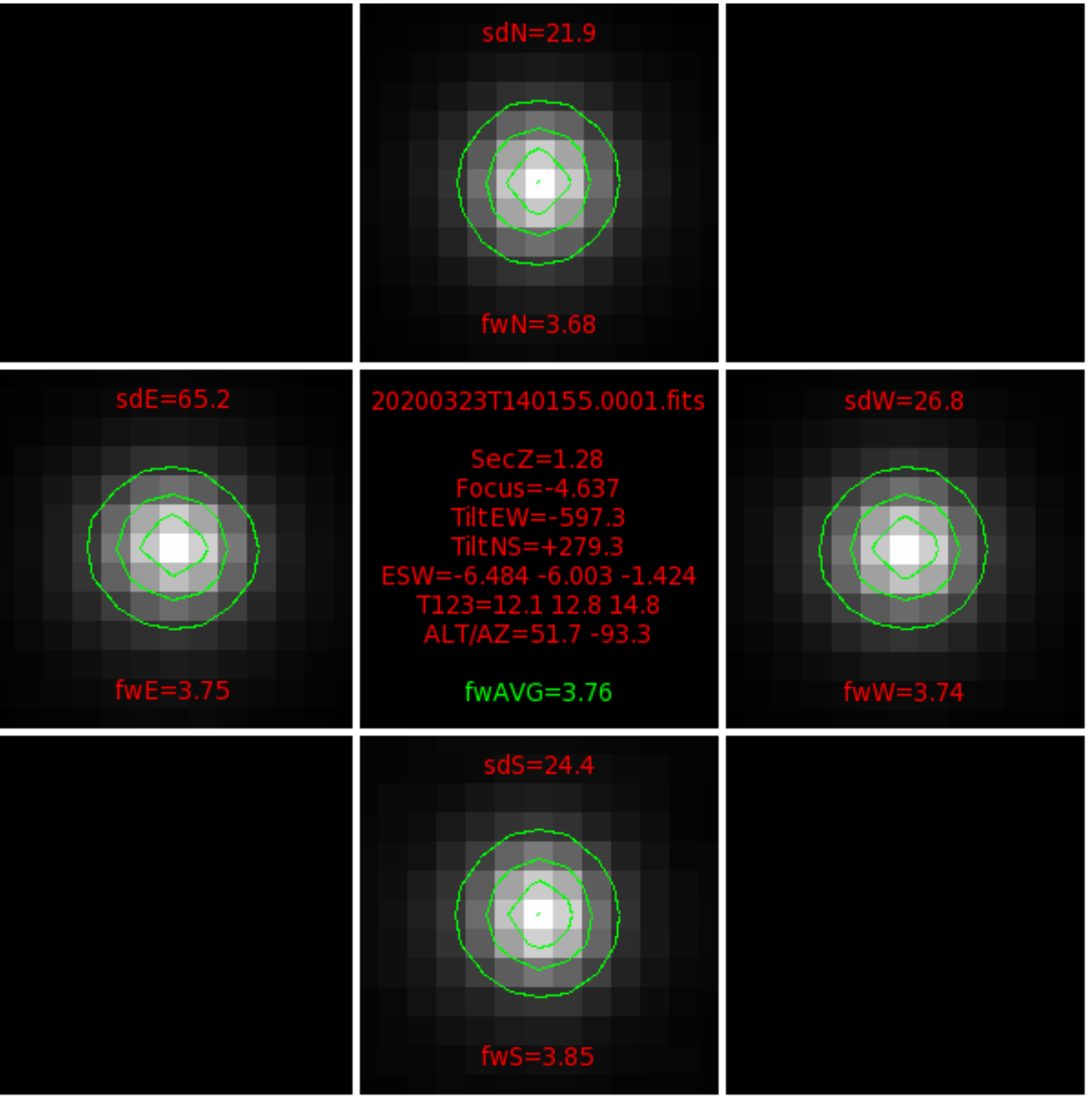
sdN=21.9
fwN=3.68
sdE=65.2
fwE=3.75
20200323T140155.0001.fits
SecZ=1.28
Focus=-4.637
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.484 -6.003 -1.424
T123=12.1 12.8 14.8
ALT/AZ=51.7 -93.3
fwAVG=3.76
sdW=26.8
fwW=3.74
sdS=24.4
fwS=3.85
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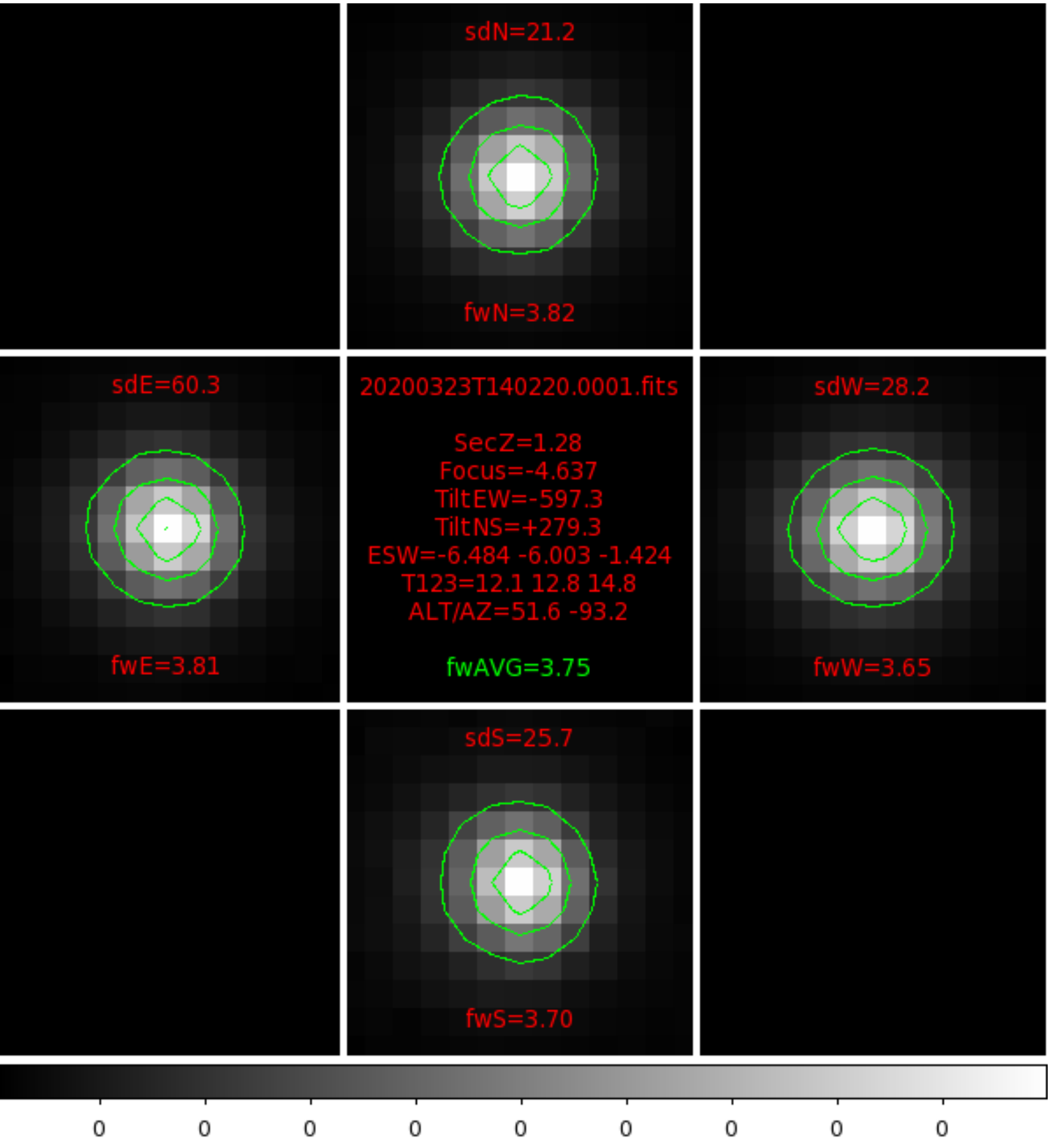
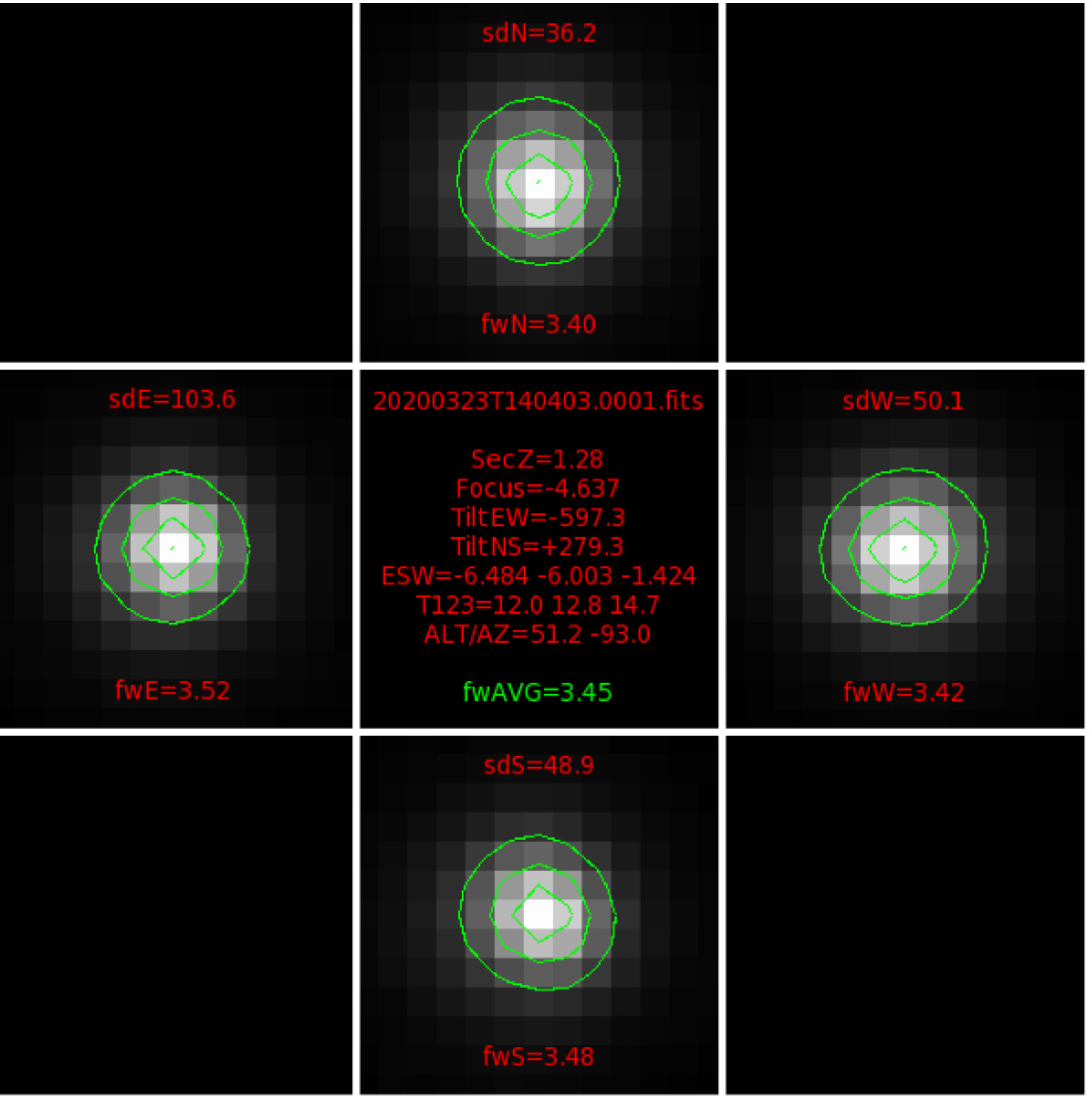

sdN=21.2
fwN=3.82
sdE=60.3
fwE=3.81
20200323T140220.0001.fits
SecZ=1.28
Focus=-4.637
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.484 -6.003 -1.424
T123=12.1 12.8 14.8
ALT/AZ=51.6 -93.2
fwAVG=3.75
sdW=28.2
fwW=3.65
sdS=25.7
fwS=3.70
0 0 0 0 0 0 0 0 0


sdN=36.2
fwN=3.40
sdE=103.6
fwE=3.52
20200323T140403.0001.fits
SecZ=1.28
Focus=-4.637
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.484 -6.003 -1.424
T123=12.0 12.8 14.7
ALT/AZ=51.2 -93.0
fwAVG=3.45
sdW=50.1
fwW=3.42
sdS=48.9
fwS=3.48
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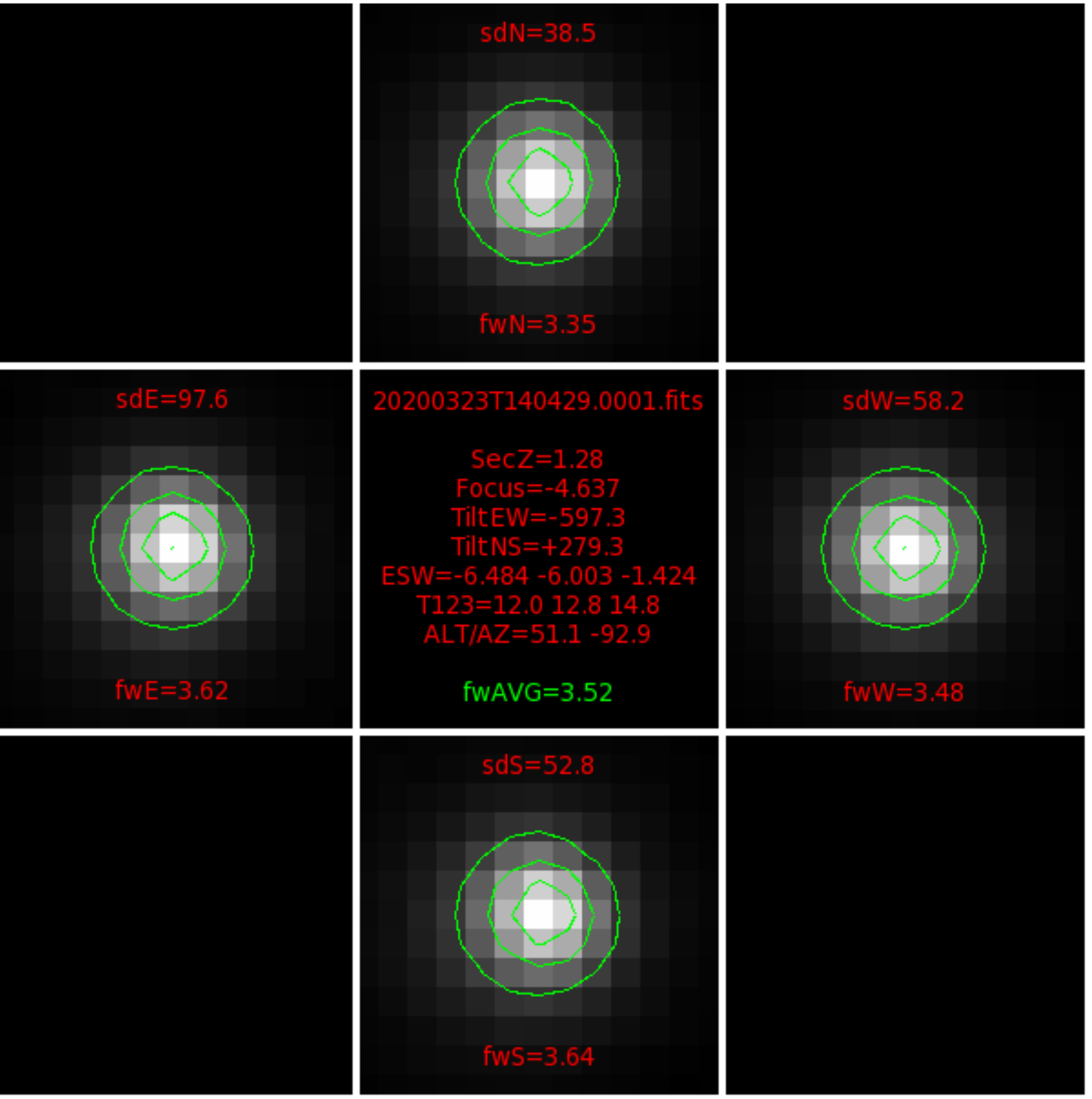
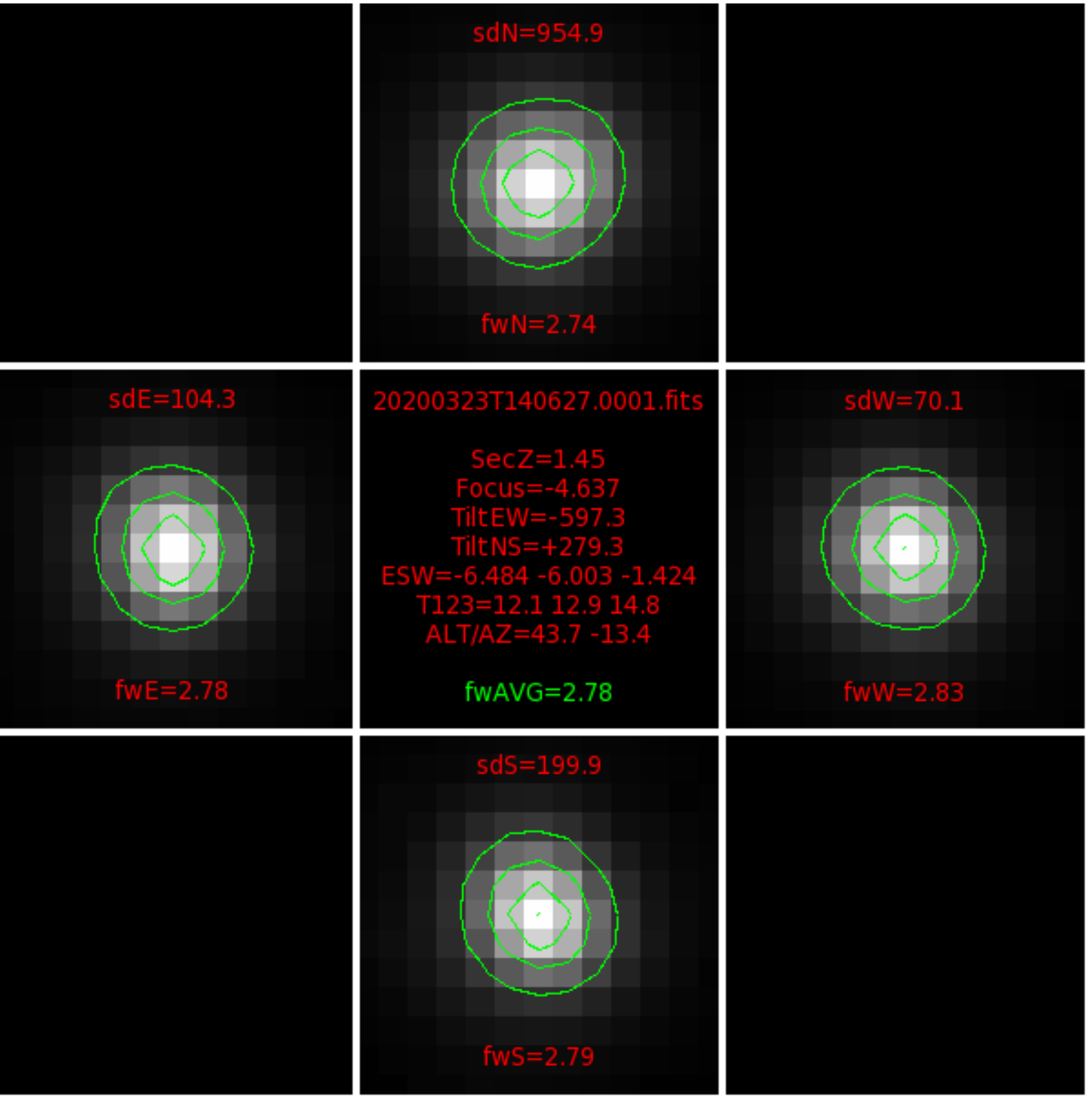

sdN=38.5
fwN=3.35
sdE=97.6
fwE=3.62
20200323T140429.0001.fits
SecZ=1.28
Focus=-4.637
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.484 -6.003 -1.424
T123=12.0 12.8 14.8
ALT/AZ=51.1 -92.9
fwAVG=3.52
sdW=58.2
fwW=3.48
sdS=52.8
fwS=3.64
0 0 0 0 0 0 0 0 0


sdN=954.9
fwN=2.74
sdE=104.3
fwE=2.78
20200323T140627.0001.fits
SecZ=1.45
Focus=-4.637
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.484 -6.003 -1.424
T123=12.1 12.9 14.8
ALT/AZ=43.7 -13.4
fwAVG=2.78
sdW=70.1
fwW=2.83
sdS=199.9
fwS=2.79
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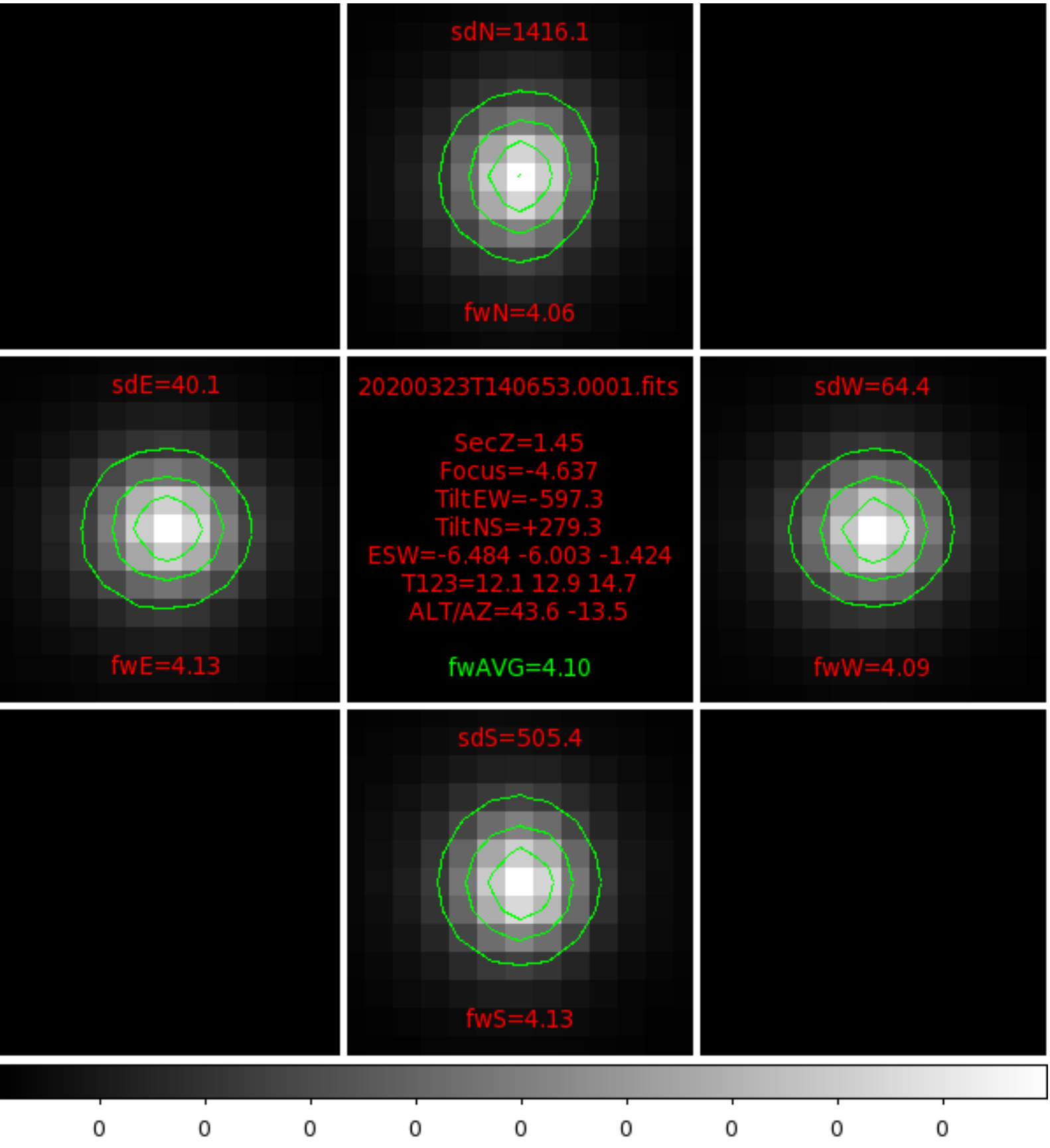
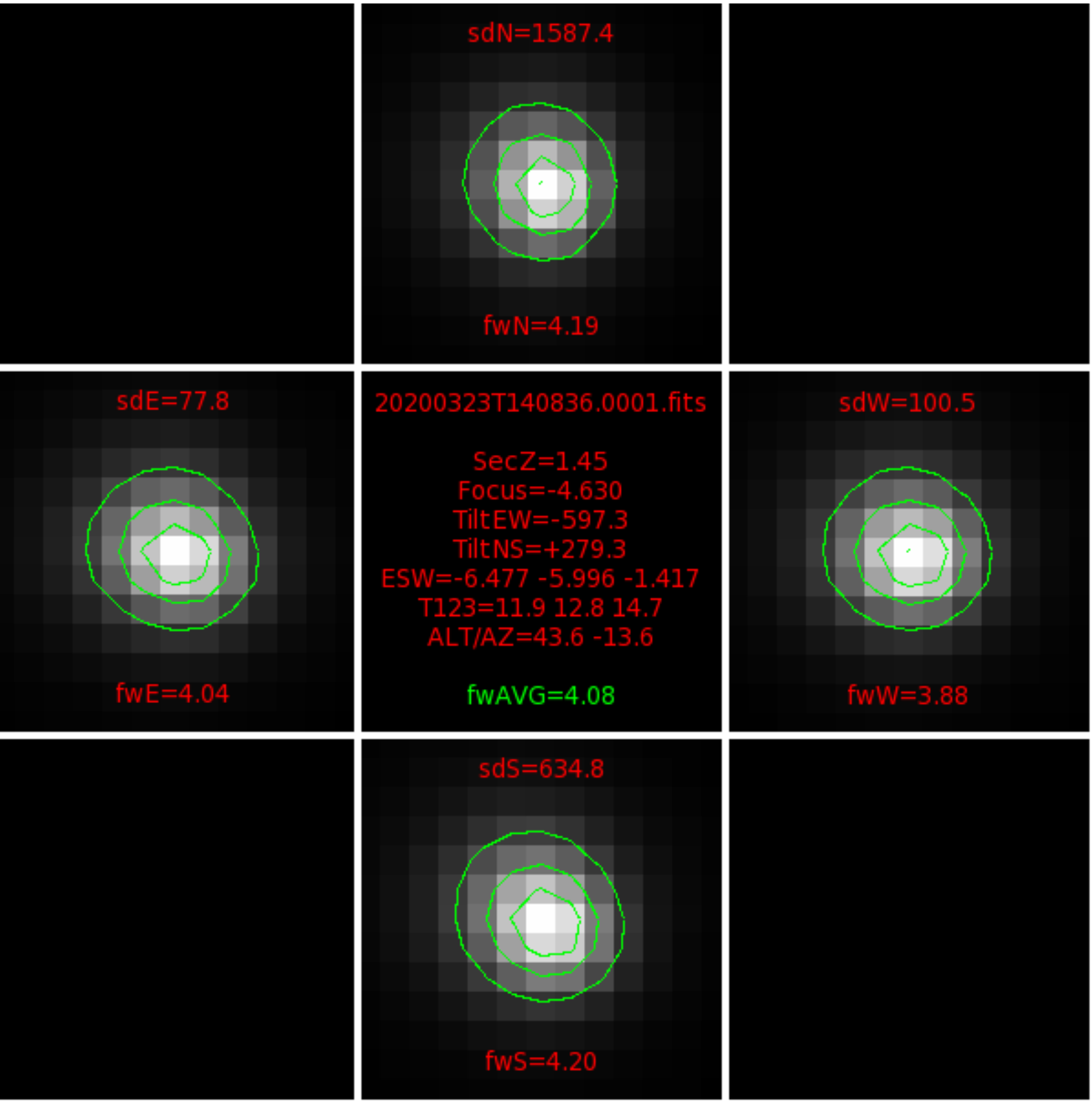

sdN=1416.1
fwN=4.06
sdE=40.1
fwE=4.13
20200323T140653.0001.fits
SecZ=1.45
Focus=-4.637
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.484 -6.003 -1.424
T123=12.1 12.9 14.7
ALT/AZ=43.6 -13.5
fwAVG=4.10
sdW=64.4
fwW=4.09
sdS=505.4
fwS=4.13
0 0 0 0 0 0 0 0 0


sdN=1587.4
fwN=4.19
sdE=77.8
fwE=4.04
20200323T140836.0001.fits
SecZ=1.45
Focus=-4.630
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.477 -5.996 -1.417
T123=11.9 12.8 14.7
ALT/AZ=43.6 -13.6
fwAVG=4.08
sdW=100.5
fwW=3.88
sdS=634.8
fwS=4.20
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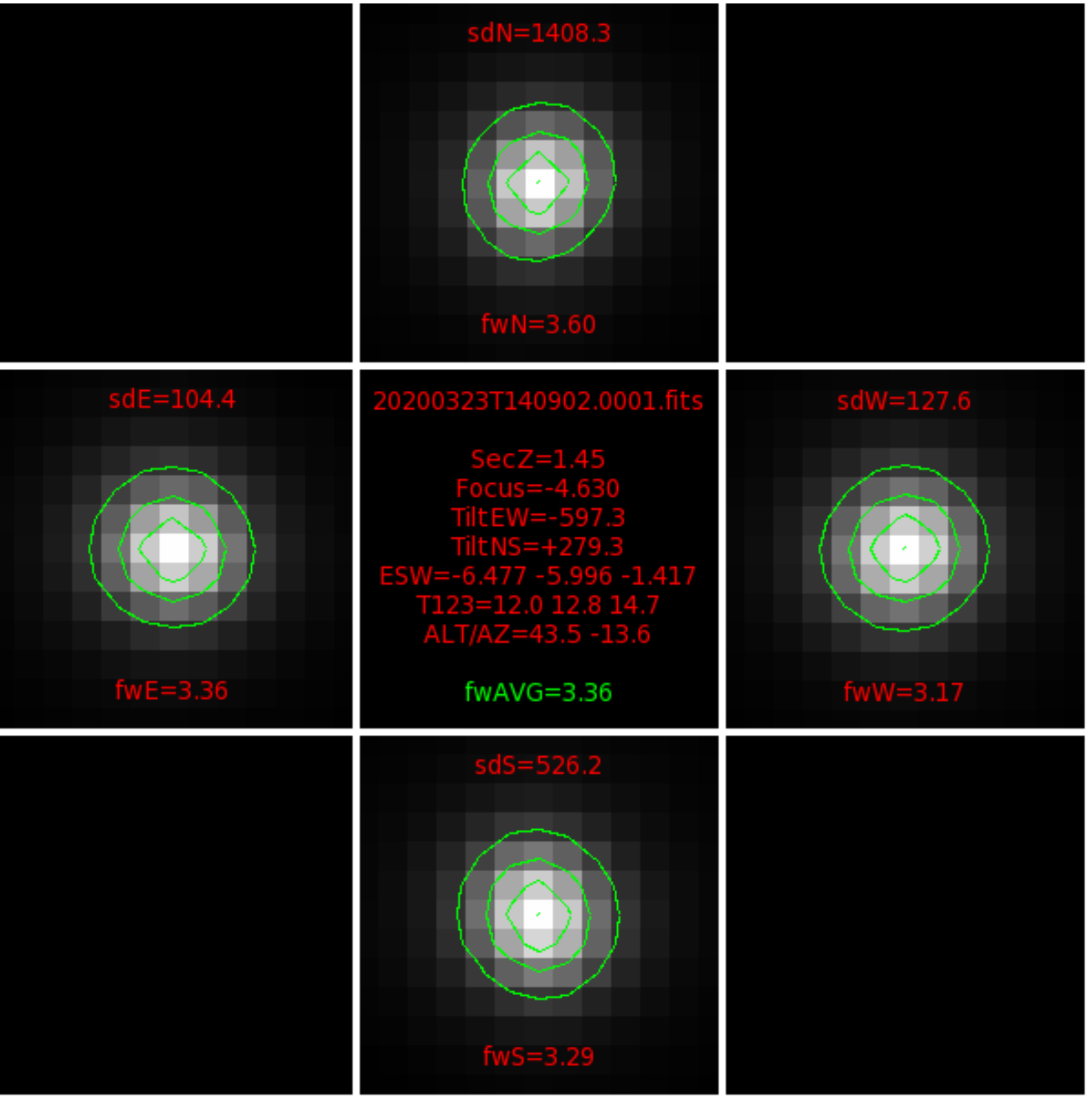
sdN=1408.3
fwN=3.60
sdE=104.4
fwE=3.36
20200323T140902.0001.fits
SecZ=1.45
Focus=-4.630
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.477 -5.996 -1.417
T123=12.0 12.8 14.7
ALT/AZ=43.5 -13.6
fwAVG=3.36
sdW=127.6
fwW=3.17
sdS=526.2
fwS=3.29
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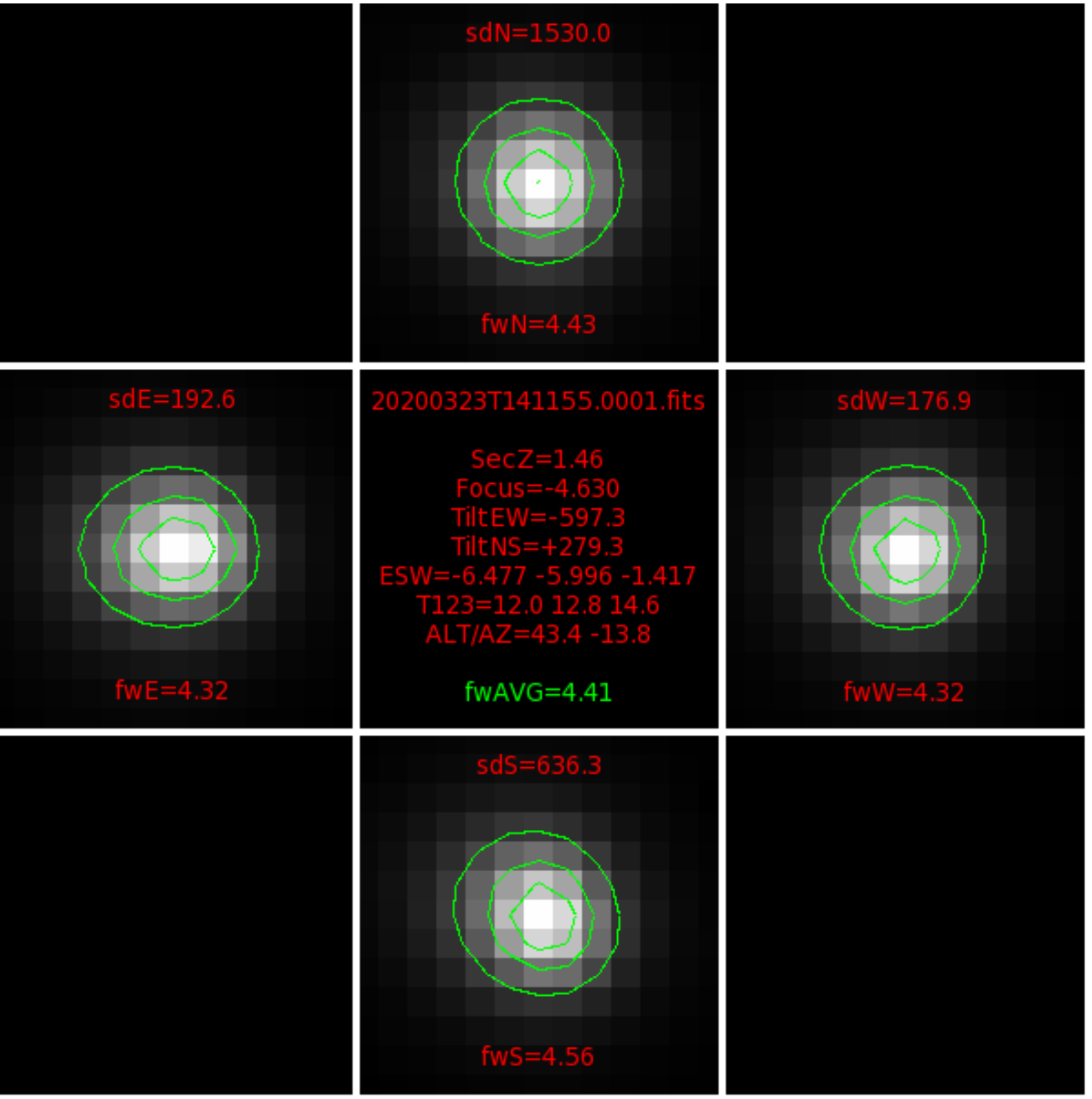
sdN=1530.0
fwN=4.43
sdE=192.6
fwE=4.32
20200323T141155.0001.fits
SecZ=1.46
Focus=-4.630
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.477 -5.996 -1.417
T123=12.0 12.8 14.6
ALT/AZ=43.4 -13.8
fwAVG=4.41
sdW=176.9
fwW=4.32
sdS=636.3
fwS=4.56
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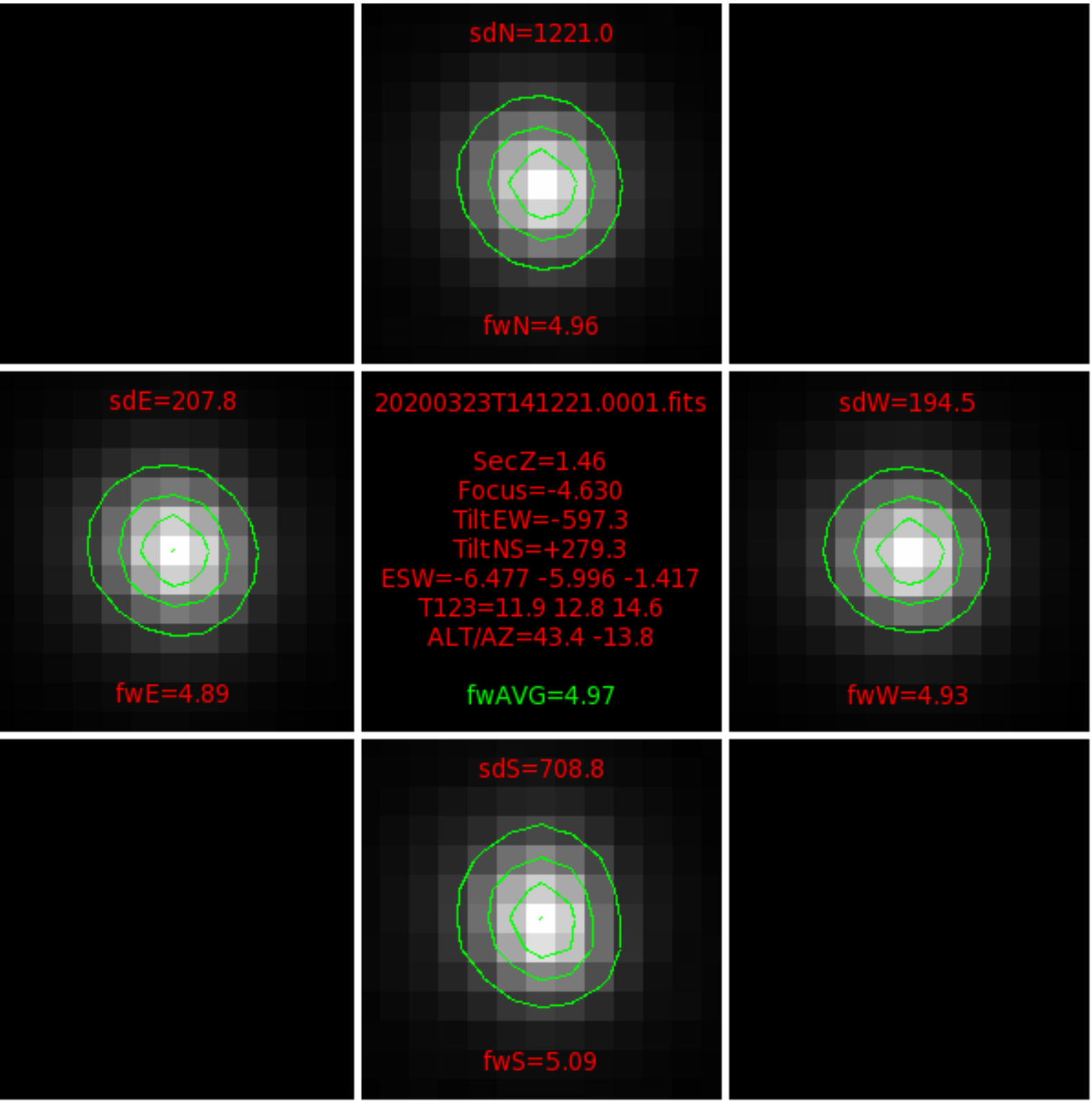
sdN=1221.0
fwN=4.96
sdE=207.8
fwE=4.89
20200323T141221.0001.fits
SecZ=1.46
Focus=-4.630
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.477 -5.996 -1.417
T123=11.9 12.8 14.6
ALT/AZ=43.4 -13.8
fwAVG=4.97
sdW=194.5
fwW=4.93
sdS=708.8
fwS=5.09
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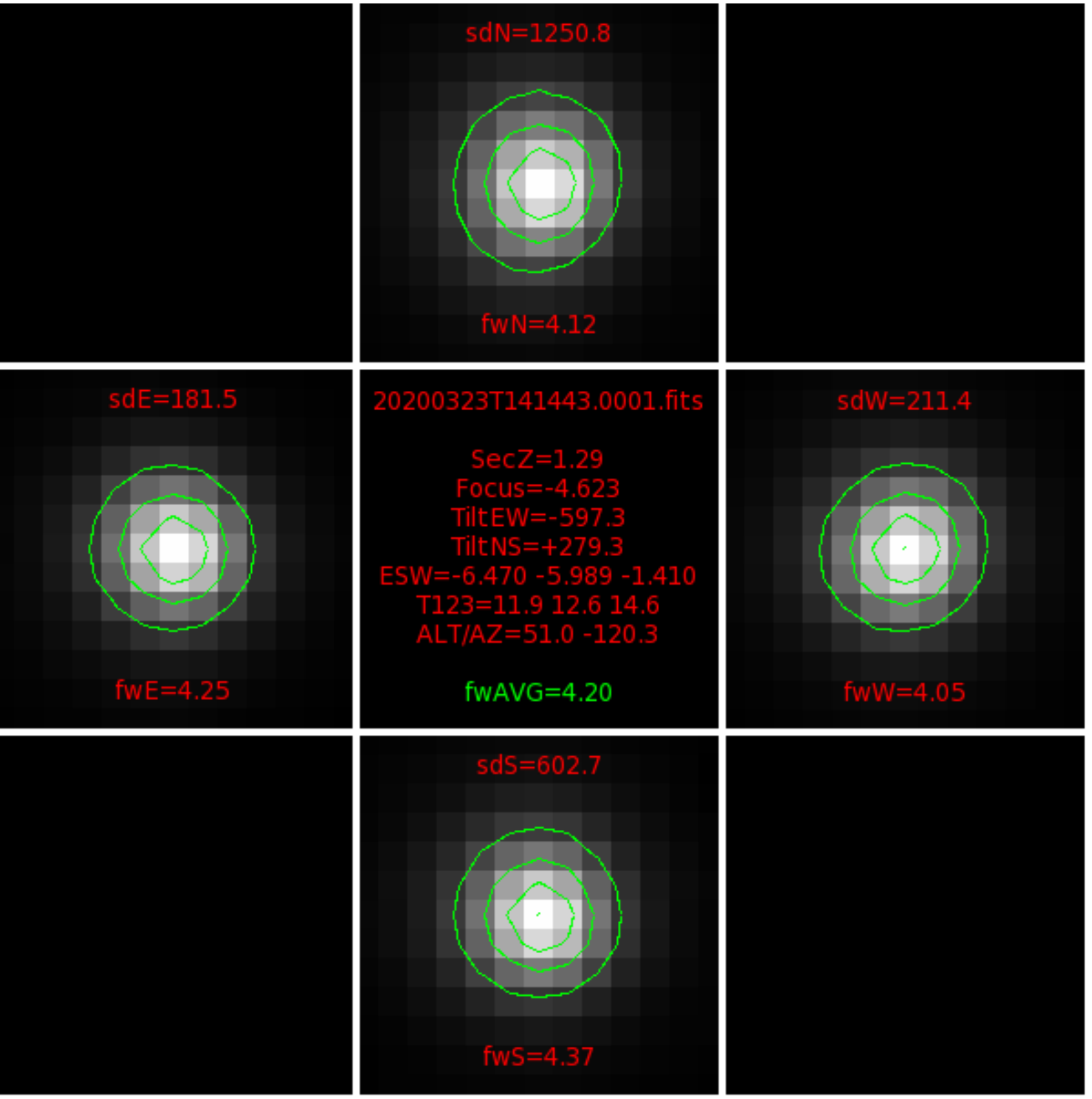
sdN=1250.8
fwN=4.12
sdE=181.5
fwE=4.25
20200323T141443.0001.fits
SecZ=1.29
Focus=-4.623
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.470 -5.989 -1.410
T123=11.9 12.6 14.6
ALT/AZ=51.0 -120.3
fwAVG=4.20
sdW=211.4
fwW=4.05
sdS=602.7
fwS=4.37
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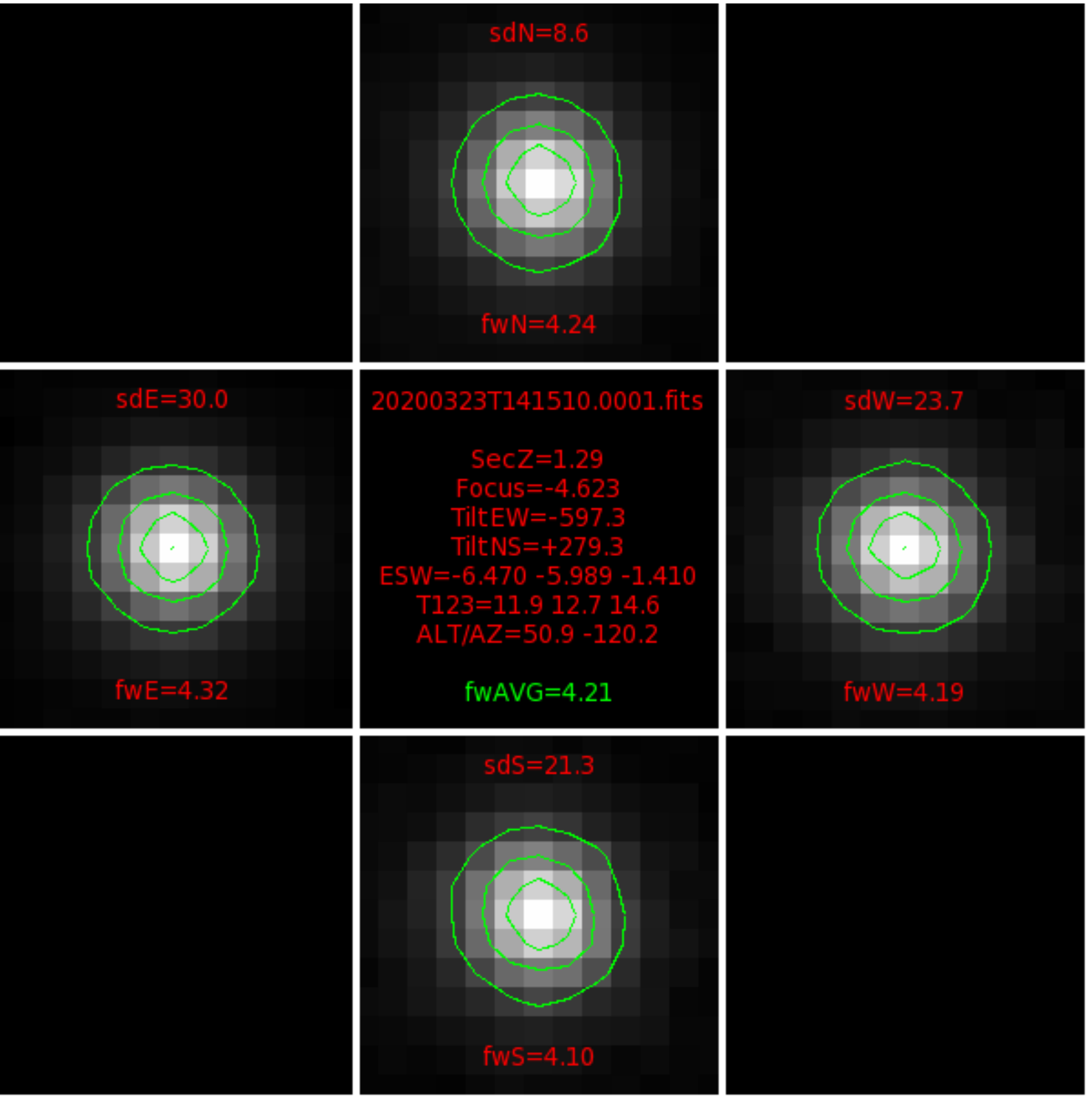
sdN=8.6
fwN=4.24
sdE=30.0
fwE=4.32
20200323T141510.0001.fits
SecZ=1.29
Focus=-4.623
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.470 -5.989 -1.410
T123=11.9 12.7 14.6
ALT/AZ=50.9 -120.2
fwAVG=4.21
sdW=23.7
fwW=4.19
sdS=21.3
fwS=4.10
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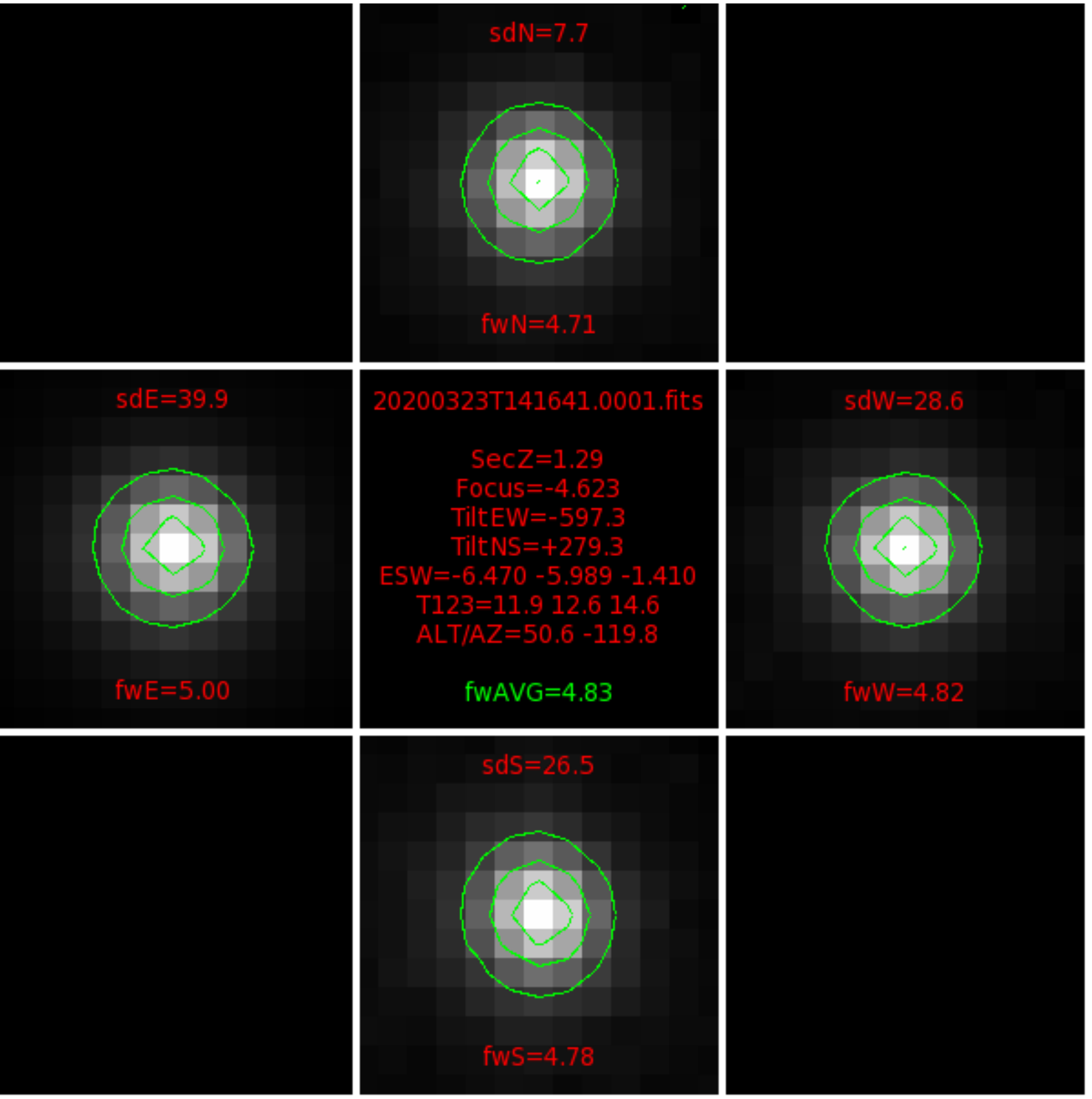
sdN=7.7
fwN=4.71
sdE=39.9
fwE=5.00
20200323T141641.0001.fits
SecZ=1.29
Focus=-4.623
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.470 -5.989 -1.410
T123=11.9 12.6 14.6
ALT/AZ=50.6 -119.8
fwAVG=4.83
sdW=28.6
fwW=4.82
sdS=26.5
fwS=4.78
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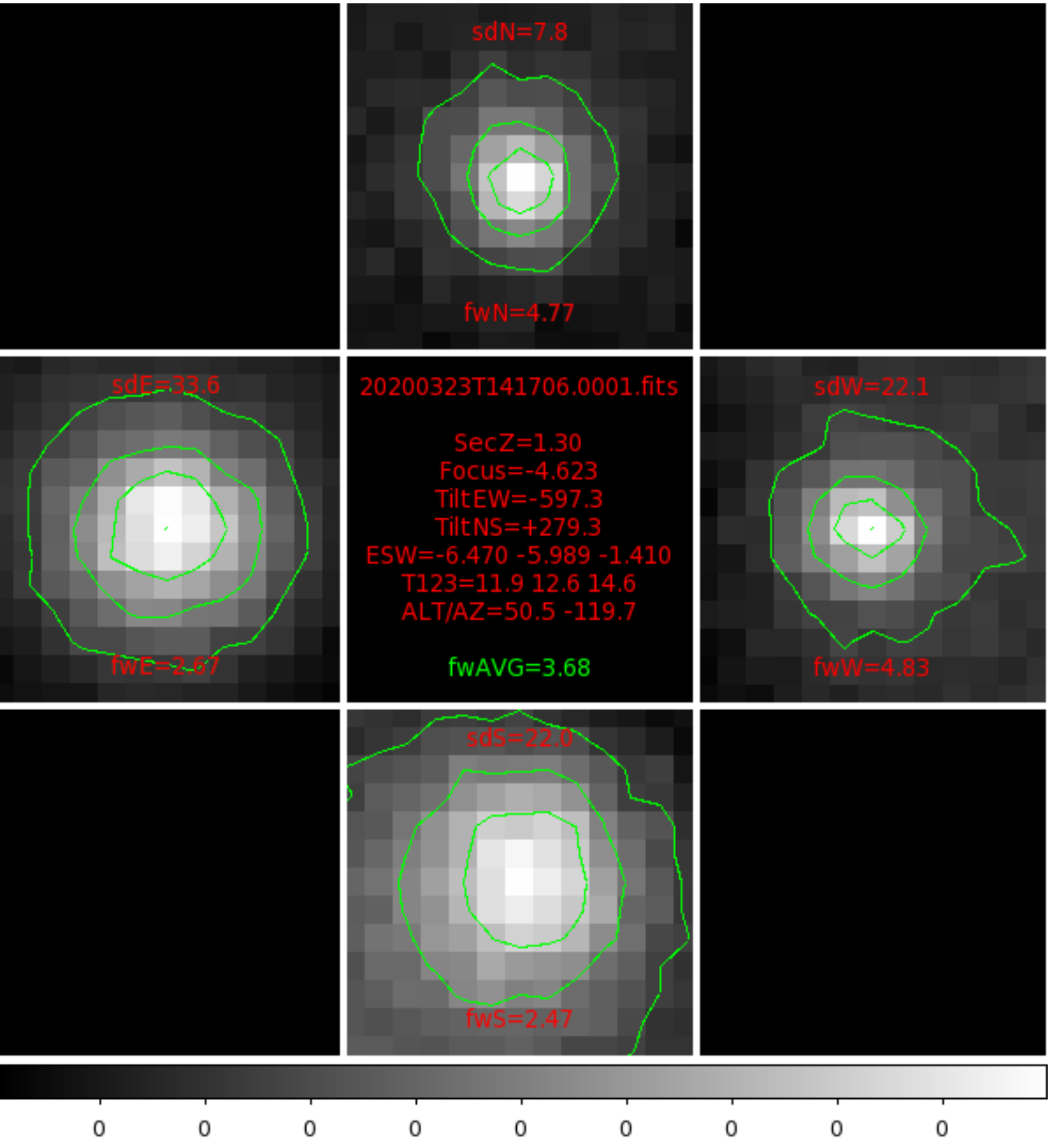
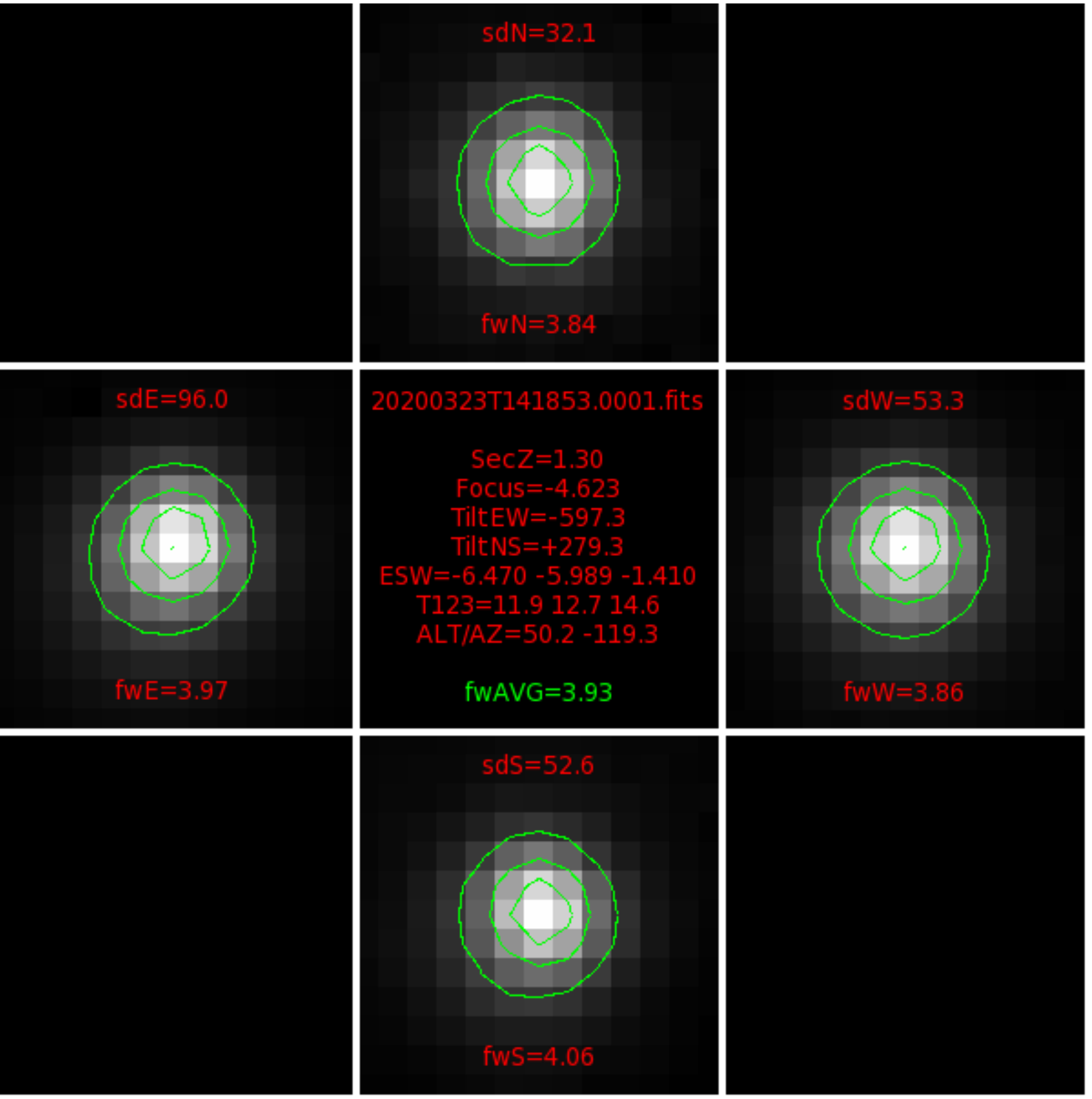

sdN=7.8
fwN=4.77
sdE=33.6
fwE=2.67
20200323T141706.0001.fits
SecZ=1.30
Focus=-4.623
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.470 -5.989 -1.410
T123=11.9 12.6 14.6
ALT/AZ=50.5 -119.7
fwAVG=3.68
sdW=22.1
fwW=4.83
sdS=22.0
fwS=2.47
0 0 0 0 0 0 0 0 0


sdN=32.1
fwN=3.84
sdE=96.0
fwE=3.97
20200323T141853.0001.fits
SecZ=1.30
Focus=-4.623
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.470 -5.989 -1.410
T123=11.9 12.7 14.6
ALT/AZ=50.2 -119.3
fwAVG=3.93
sdW=53.3
fwW=3.86
sdS=52.6
fwS=4.06
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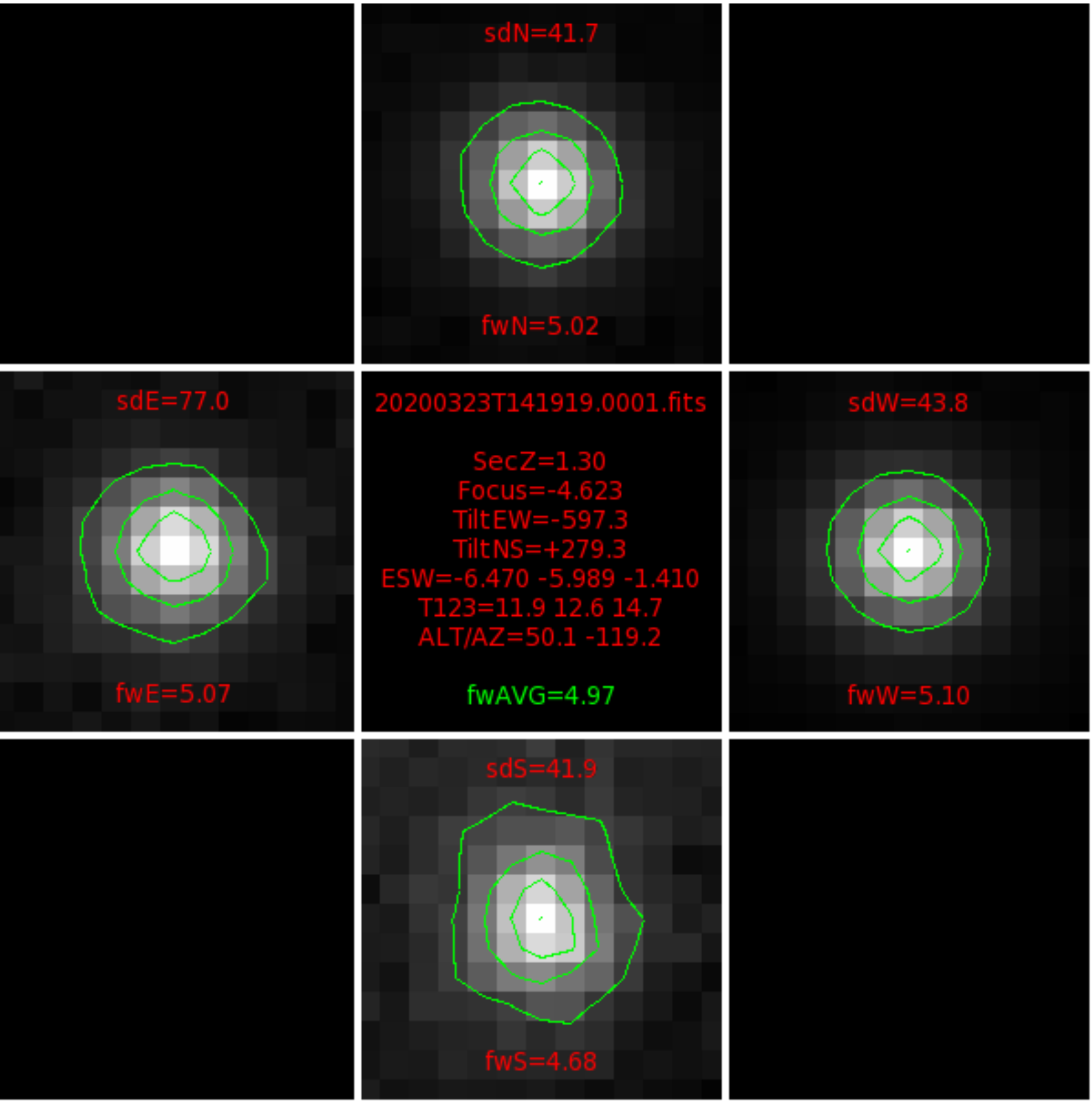
sdN=41.7
fwN=5.02
sdE=77.0
fwE=5.07
20200323T141919.0001.fits
SecZ=1.30
Focus=-4.623
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.470 -5.989 -1.410
T123=11.9 12.6 14.7
ALT/AZ=50.1 -119.2
fwAVG=4.97
sdW=43.8
fwW=5.10
sdS=41.9
fwS=4.68
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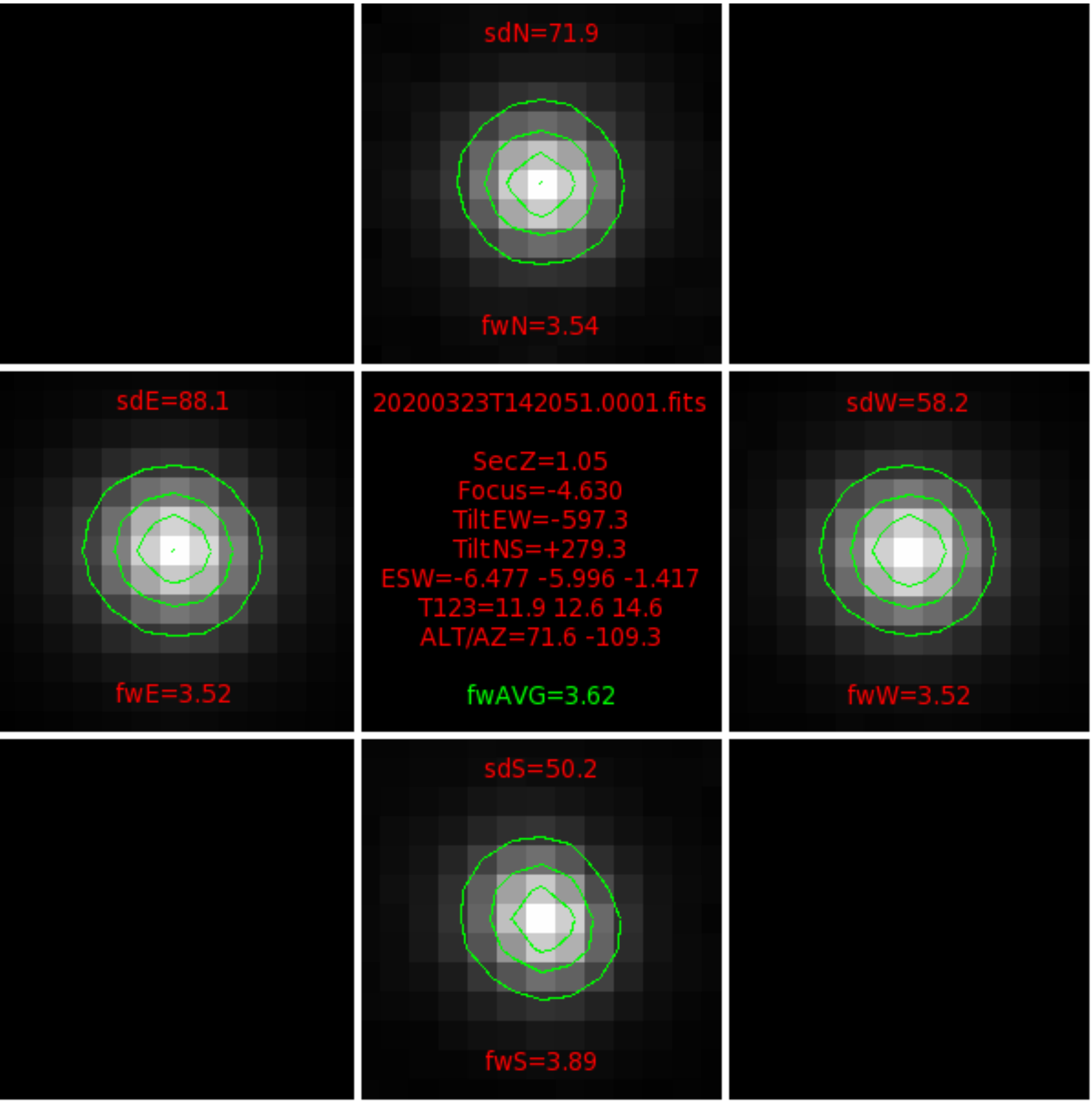
sdN=71.9
fwN=3.54
sdE=88.1
fwE=3.52
20200323T142051.0001.fits
SecZ=1.05
Focus=-4.630
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.477 -5.996 -1.417
T123=11.9 12.6 14.6
ALT/AZ=71.6 -109.3
fwAVG=3.62
sdW=58.2
fwW=3.52
sdS=50.2
fwS=3.89
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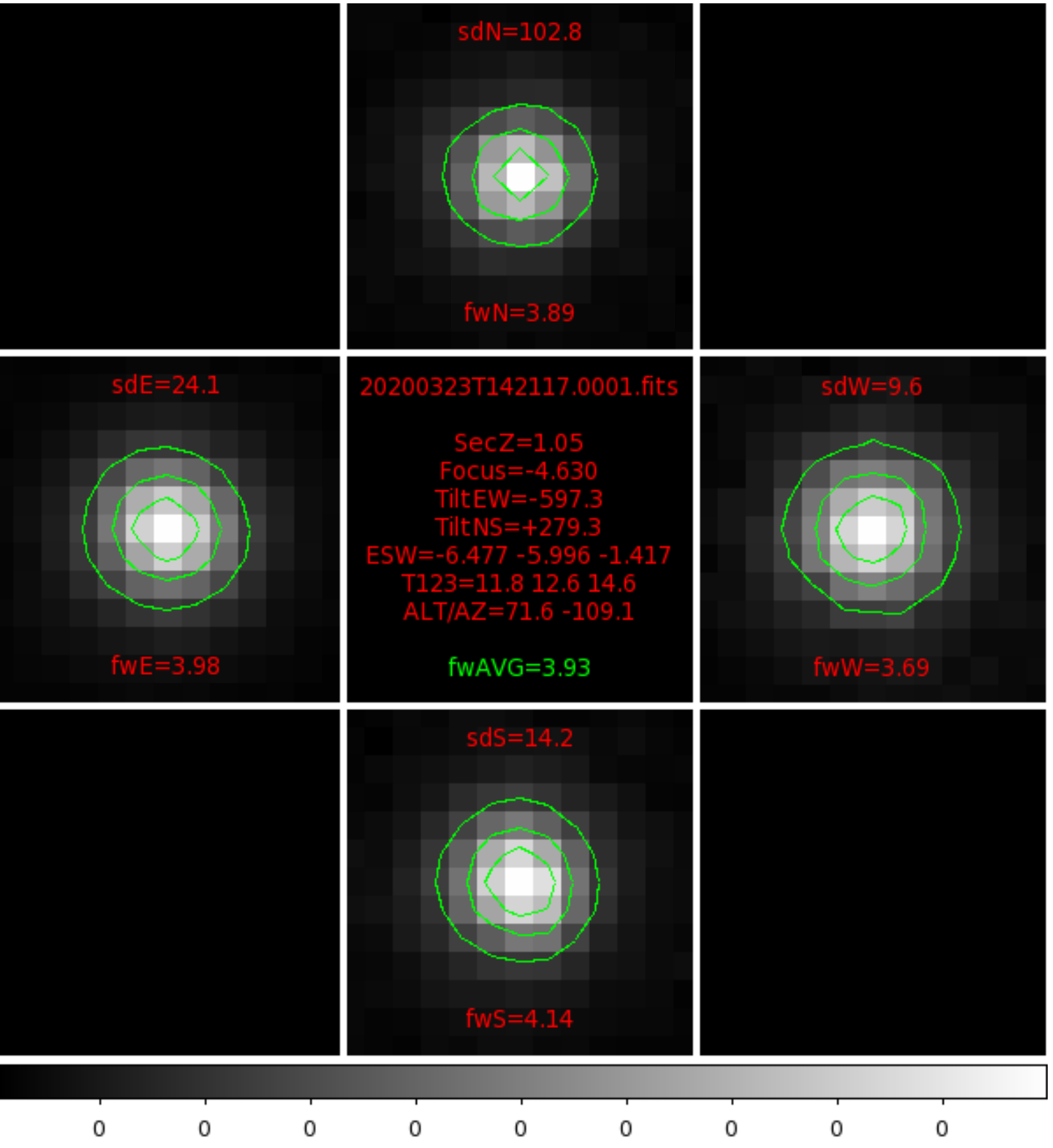
sdN=102.8
fwN=3.89
sdE=24.1
fwE=3.98
20200323T142117.0001.fits
SecZ=1.05
Focus=-4.630
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.477 -5.996 -1.417
T123=11.8 12.6 14.6
ALT/AZ=71.6 -109.1
fwAVG=3.93
sdW=9.6
fwW=3.69
sdS=14.2
fwS=4.14
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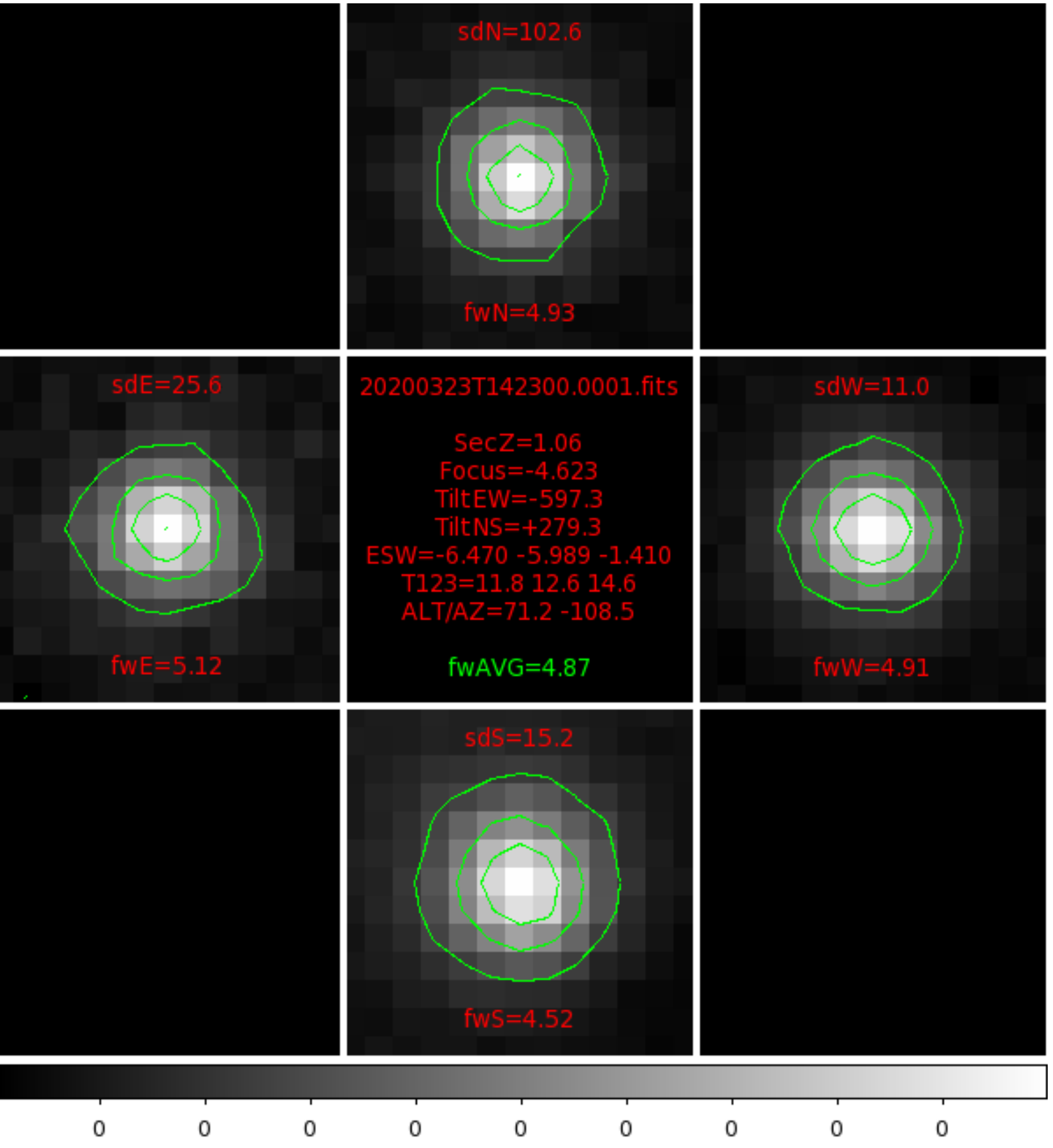
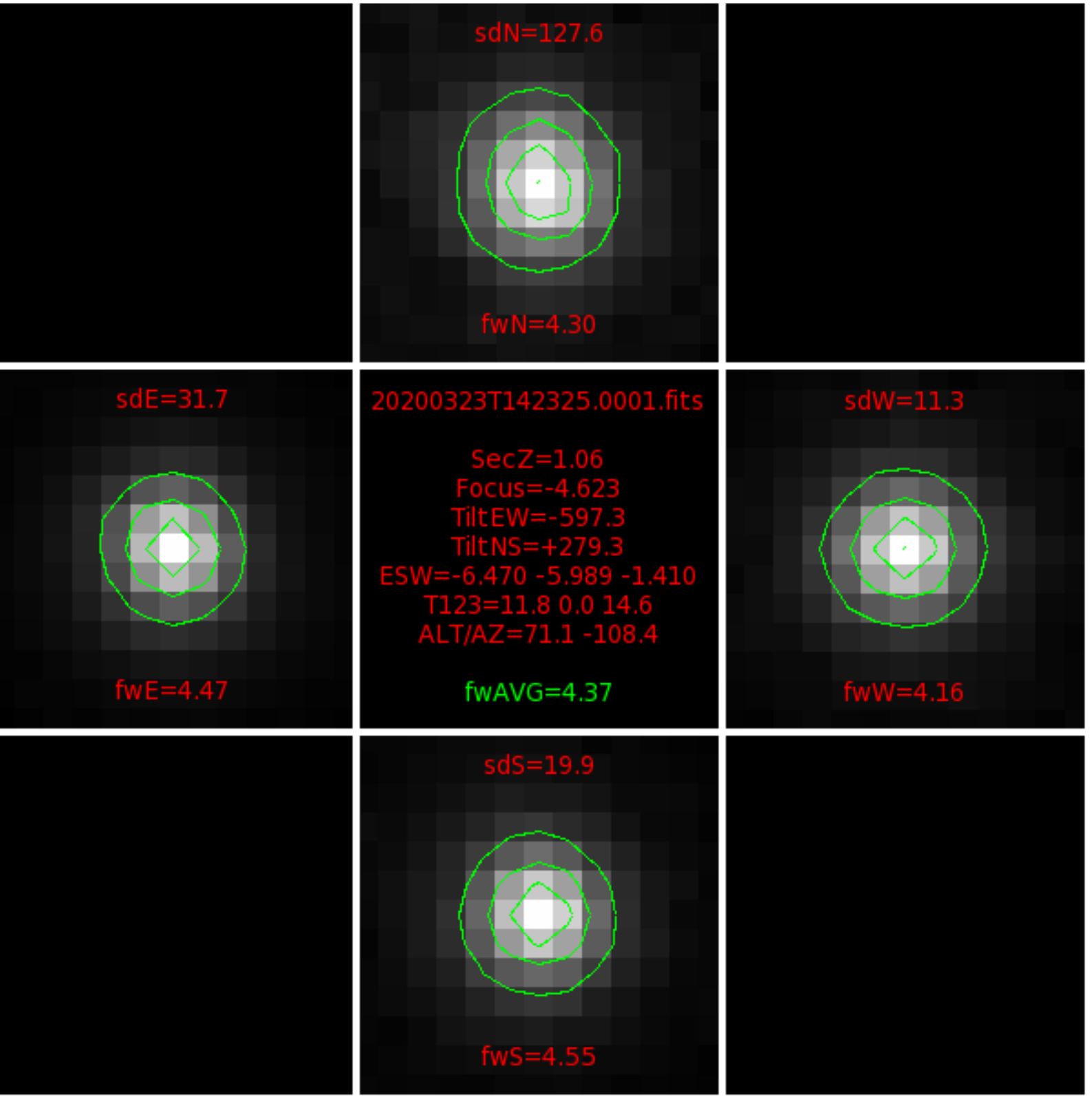

sdN=102.6
fwN=4.93
sdE=25.6
fwE=5.12
20200323T142300.0001.fits
SecZ=1.06
Focus=-4.623
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.470 -5.989 -1.410
T123=11.8 12.6 14.6
ALT/AZ=71.2 -108.5
fwAVG=4.87
sdW=11.0
fwW=4.91
sdS=15.2
fwS=4.52
0 0 0 0 0 0 0 0 0


sdN=127.6
fwN=4.30
sdE=31.7
fwE=4.47
20200323T142325.0001.fits
SecZ=1.06
Focus=-4.623
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.470 -5.989 -1.410
T123=11.8 0.0 14.6
ALT/AZ=71.1 -108.4
fwAVG=4.37
sdW=11.3
fwW=4.16
sdS=19.9
fwS=4.55
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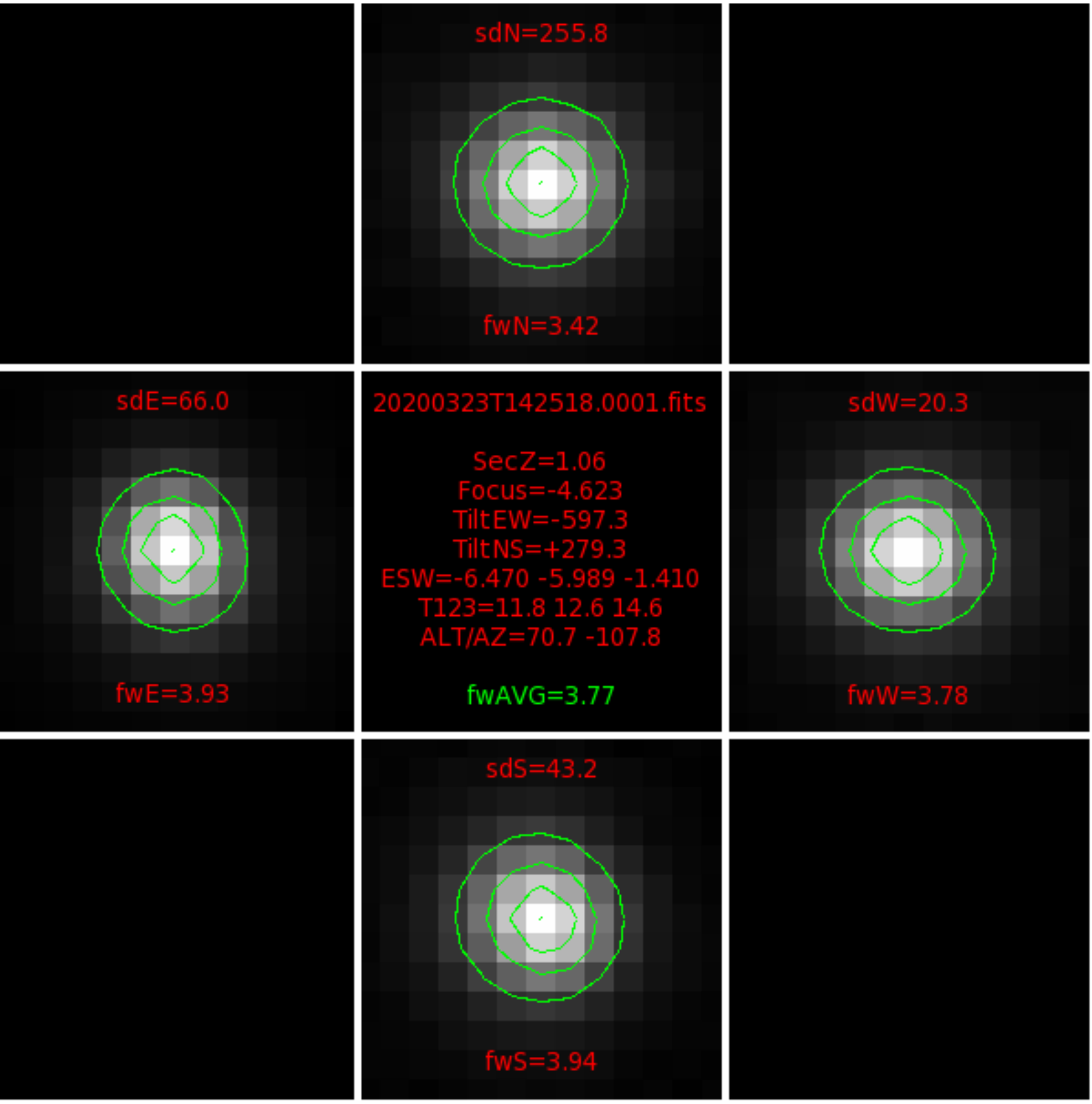
sdN=255.8
fwN=3.42
sdE=66.0
fwE=3.93
20200323T142518.0001.fits
SecZ=1.06
Focus=-4.623
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.470 -5.989 -1.410
T123=11.8 12.6 14.6
ALT/AZ=70.7 -107.8
fwAVG=3.77
sdW=20.3
fwW=3.78
sdS=43.2
fwS=3.94
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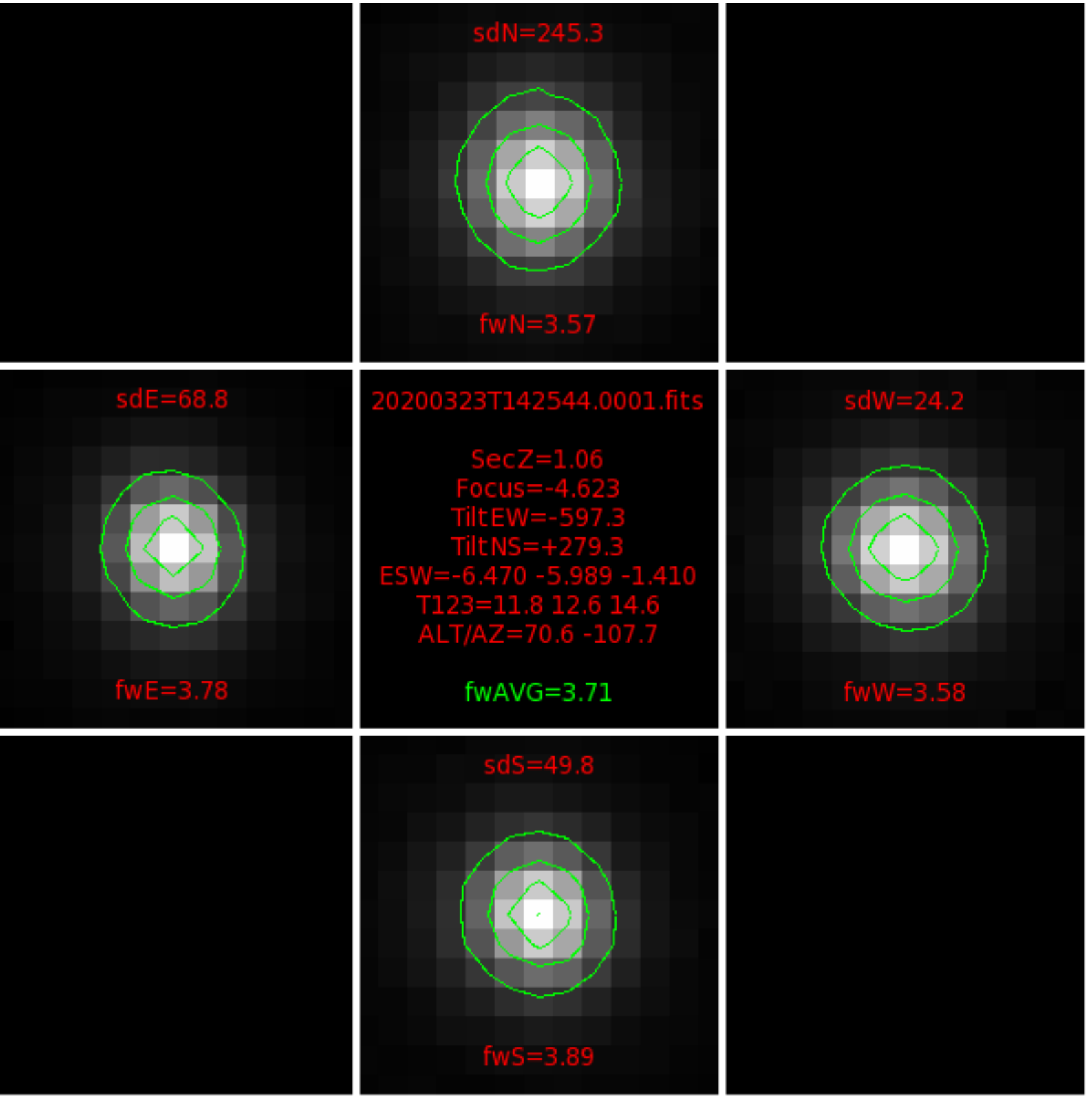
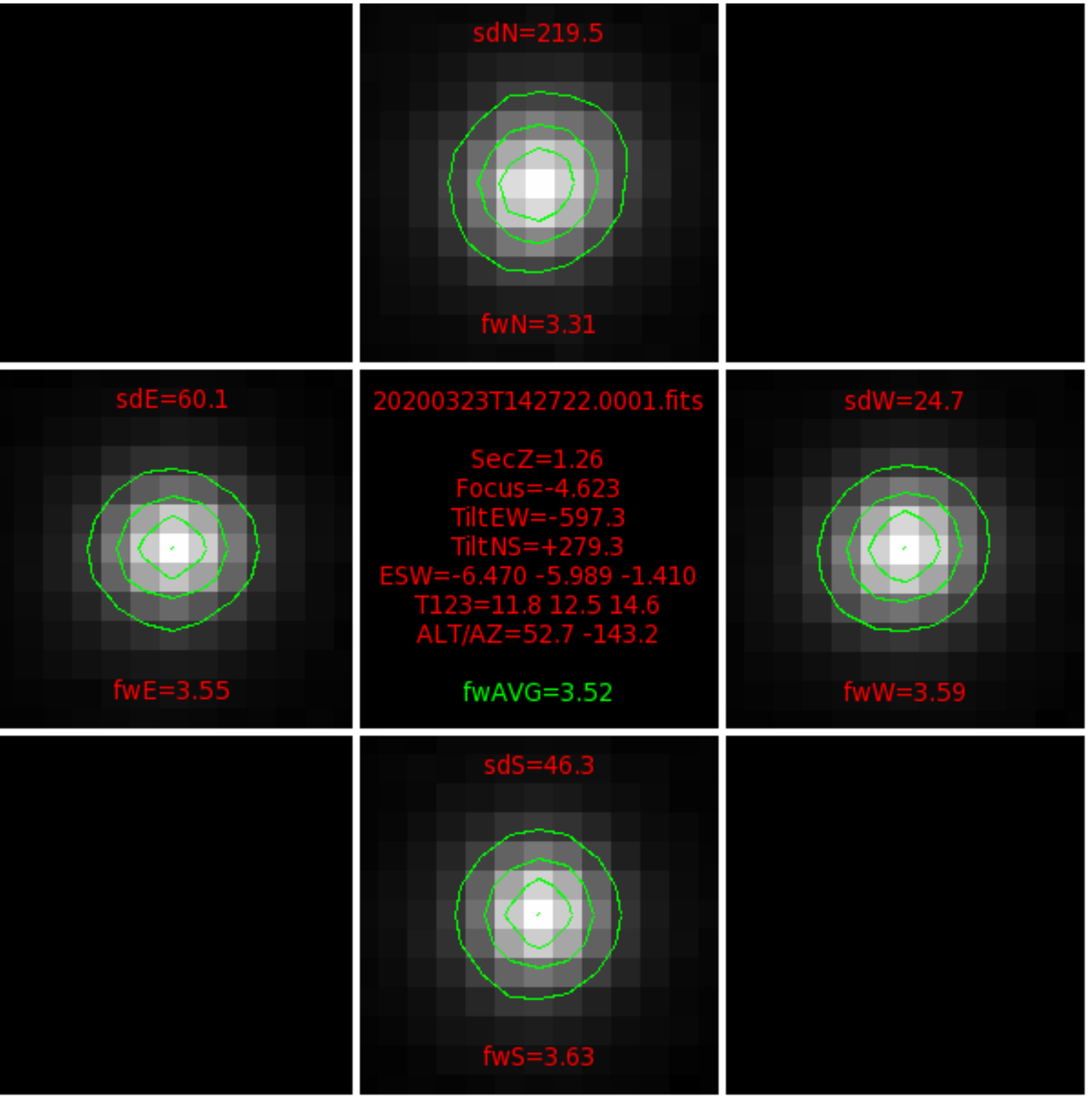

sdN=245.3
fwN=3.57
sdE=68.8
fwE=3.78
20200323T142544.0001.fits
SecZ=1.06
Focus=-4.623
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.470 -5.989 -1.410
T123=11.8 12.6 14.6
ALT/AZ=70.6 -107.7
fwAVG=3.71
sdW=24.2
fwW=3.58
sdS=49.8
fwS=3.89
0 0 0 0 0 0 0 0 0


sdN=219.5
fwN=3.31
sdE=60.1
fwE=3.55
20200323T142722.0001.fits
SecZ=1.26
Focus=-4.623
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.470 -5.989 -1.410
T123=11.8 12.5 14.6
ALT/AZ=52.7 -143.2
fwAVG=3.52
sdW=24.7
fwW=3.59
sdS=46.3
fwS=3.63
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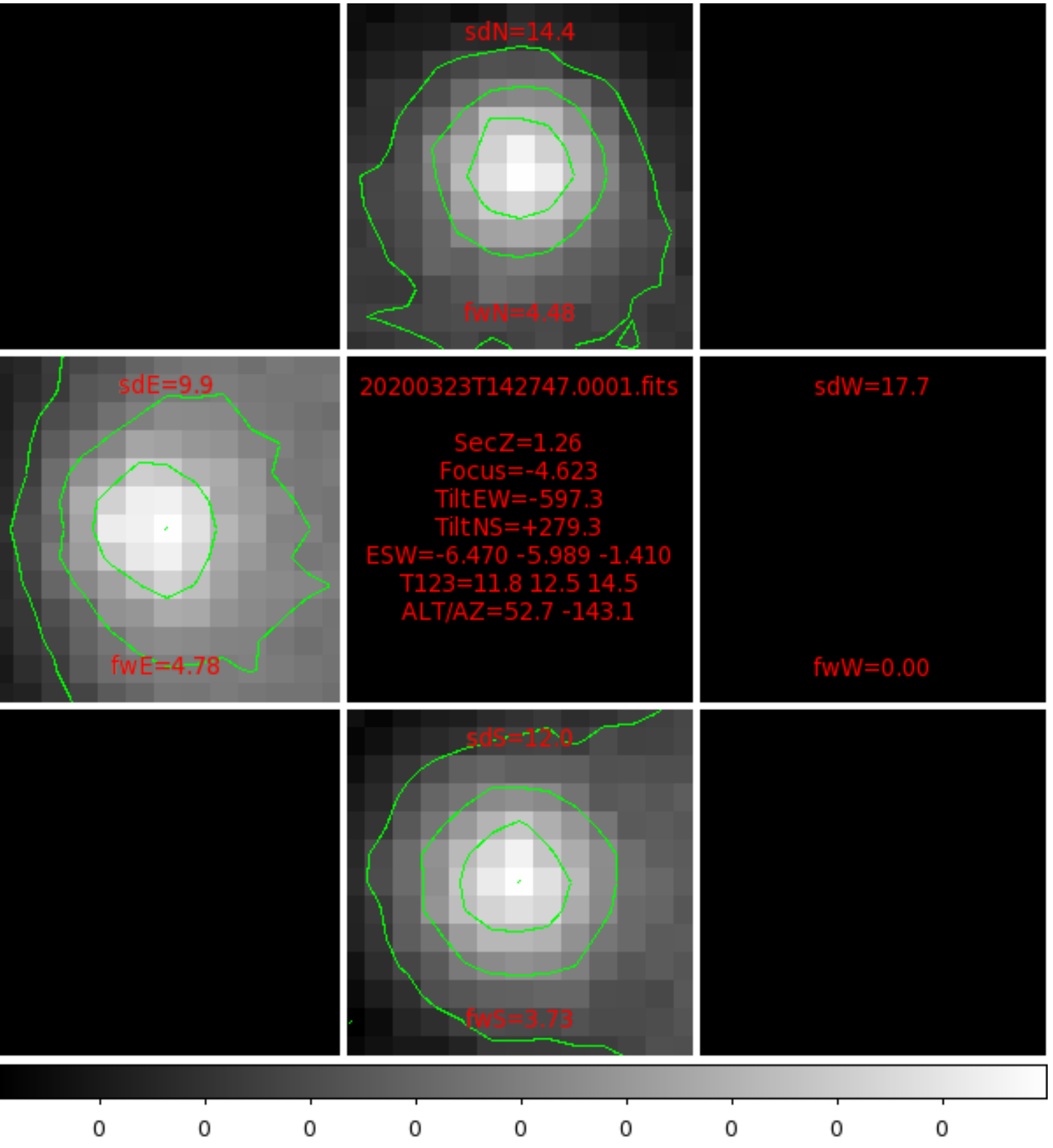
sdN=14.4
fwN=4.48
sdE=9.9
fwE=4.78
20200323T142747.0001.fits
SecZ=1.26
Focus=-4.623
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.470 -5.989 -1.410
T123=11.8 12.5 14.5
ALT/AZ=52.7 -143.1
sdW=17.7
fwW=0.00
sdS=12.0
fwS=3.73
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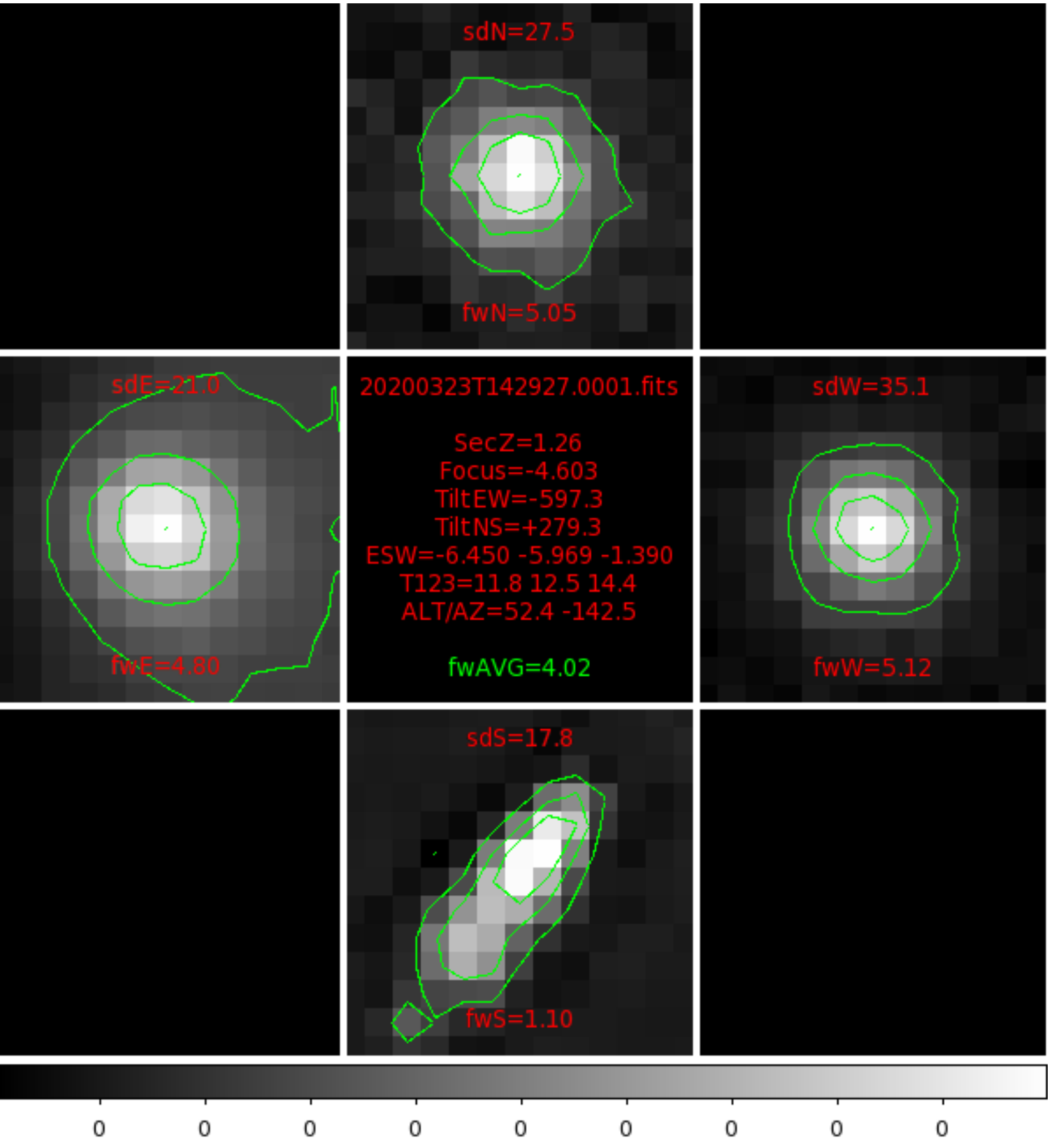
sdN=27.5
fwN=5.05
sdE=21.0
fwE=4.80
20200323T142927.0001.fits
SecZ=1.26
Focus=-4.603
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.450 -5.969 -1.390
T123=11.8 12.5 14.4
ALT/AZ=52.4 -142.5
fwAVG=4.02
sdW=35.1
fwW=5.12
sdS=17.8
fwS=1.10
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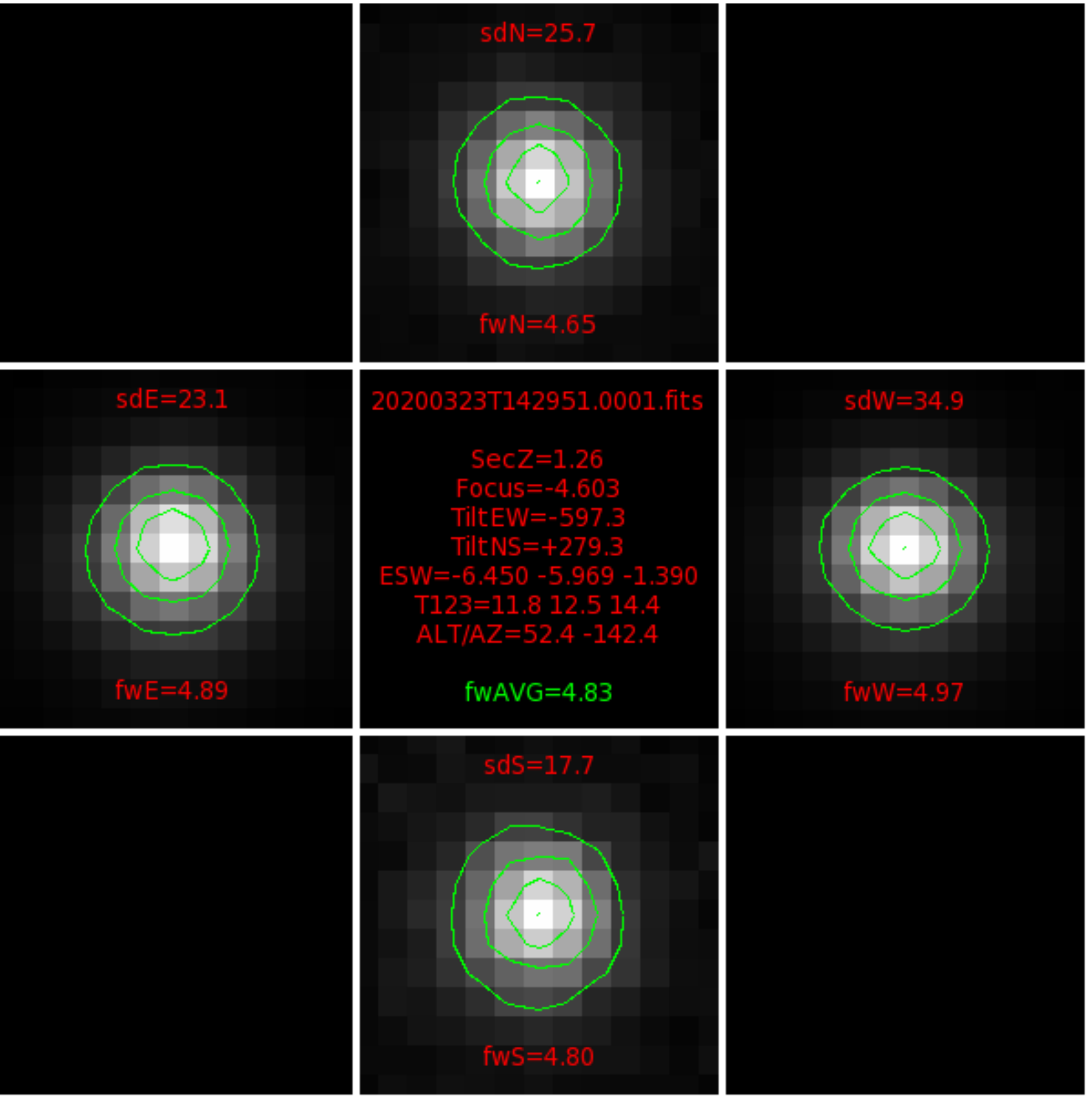
sdN=25.7
fwN=4.65
sdE=23.1
fwE=4.89
20200323T142951.0001.fits
SecZ=1.26
Focus=-4.603
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.450 -5.969 -1.390
T123=11.8 12.5 14.4
ALT/AZ=52.4 -142.4
fwAVG=4.83
sdW=34.9
fwW=4.97
sdS=17.7
fwS=4.80
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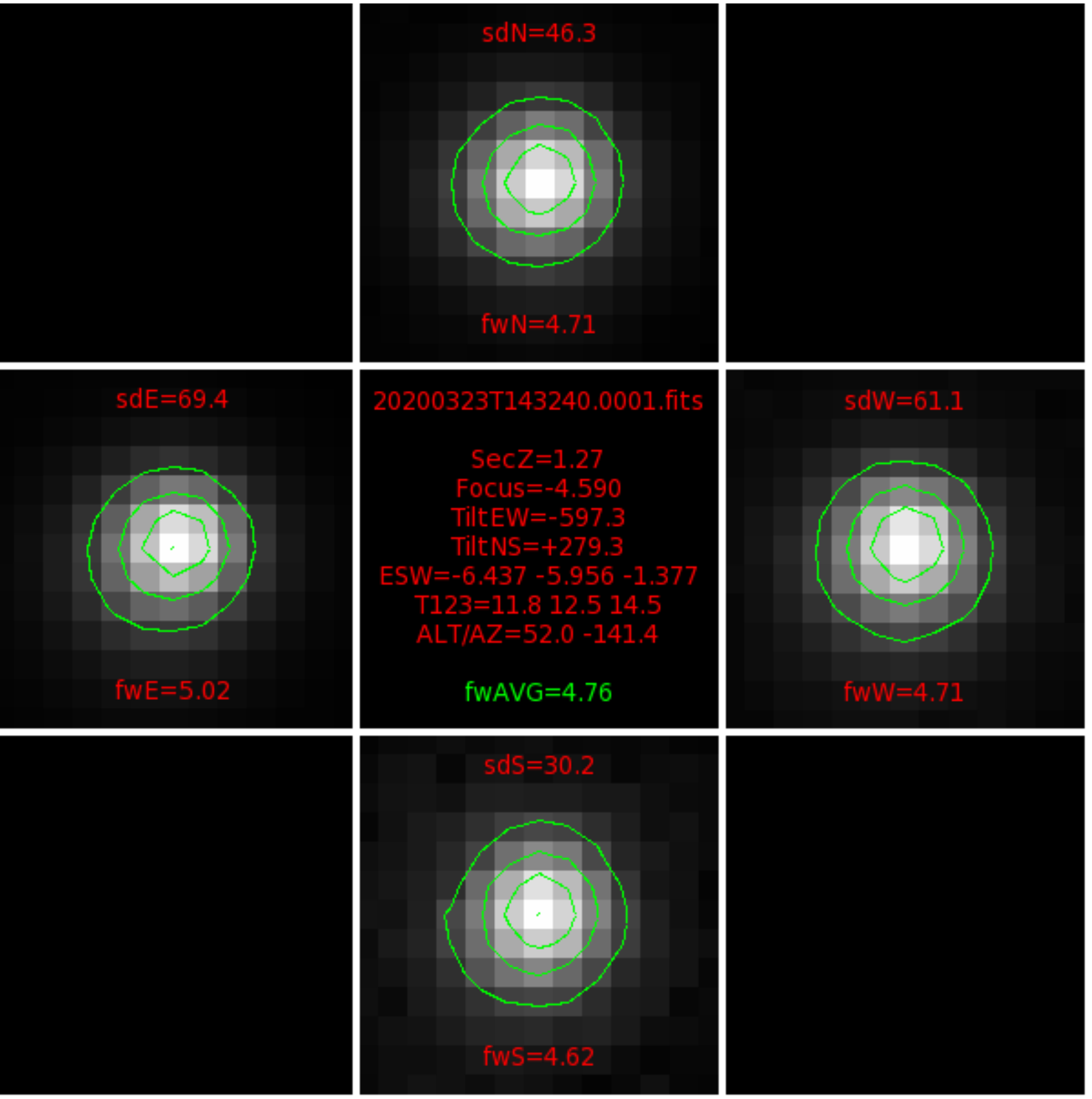
sdN=46.3
fwN=4.71
sdE=69.4
fwE=5.02
20200323T143240.0001.fits
SecZ=1.27
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.8 12.5 14.5
ALT/AZ=52.0 -141.4
fwAVG=4.76
sdW=61.1
fwW=4.71
sdS=30.2
fwS=4.62
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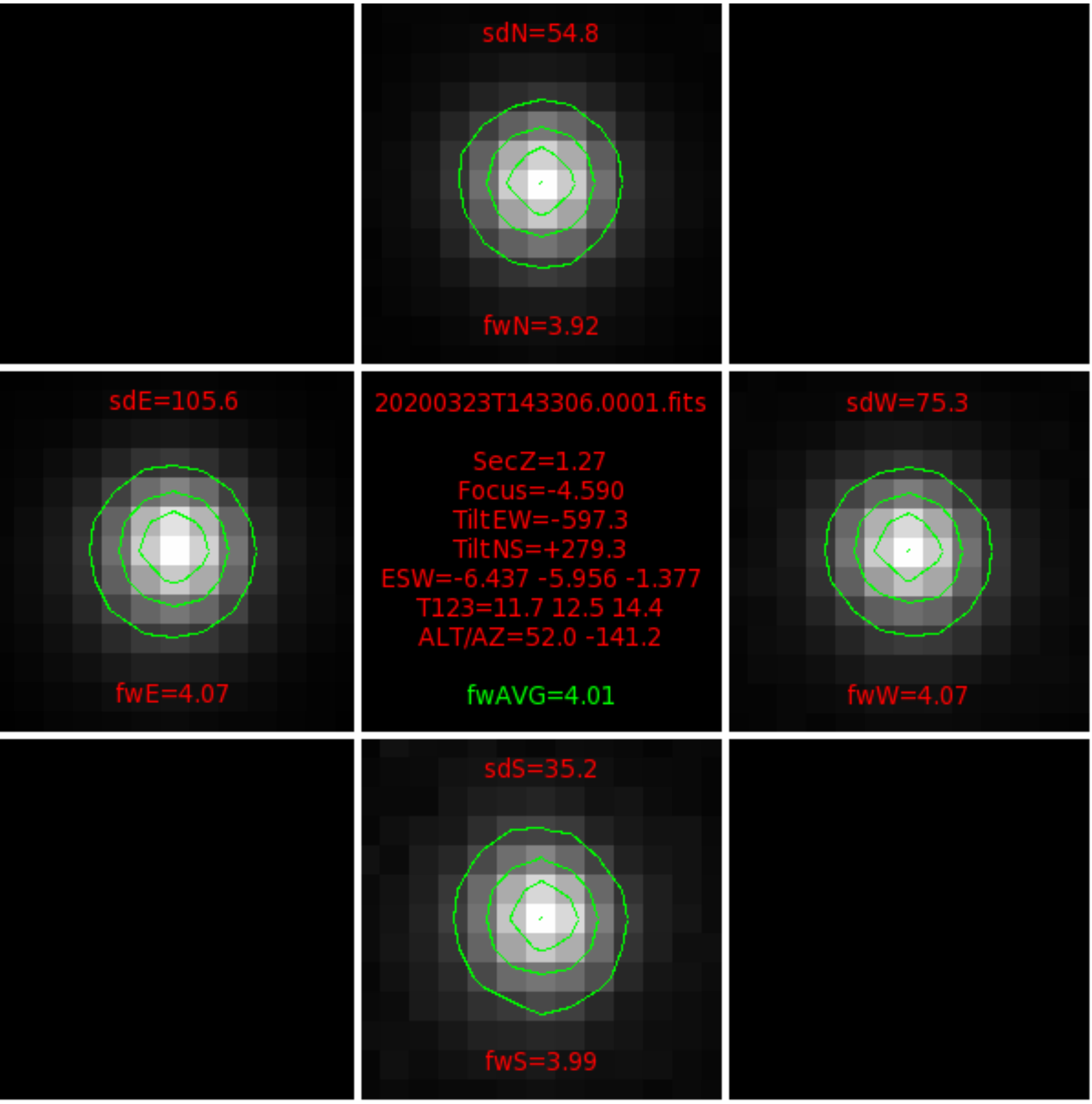
sdN=54.8
fwN=3.92
sdE=105.6
fwE=4.07
20200323T143306.0001.fits
SecZ=1.27
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.7 12.5 14.4
ALT/AZ=52.0 -141.2
fwAVG=4.01
sdW=75.3
fwW=4.07
sdS=35.2
fwS=3.99
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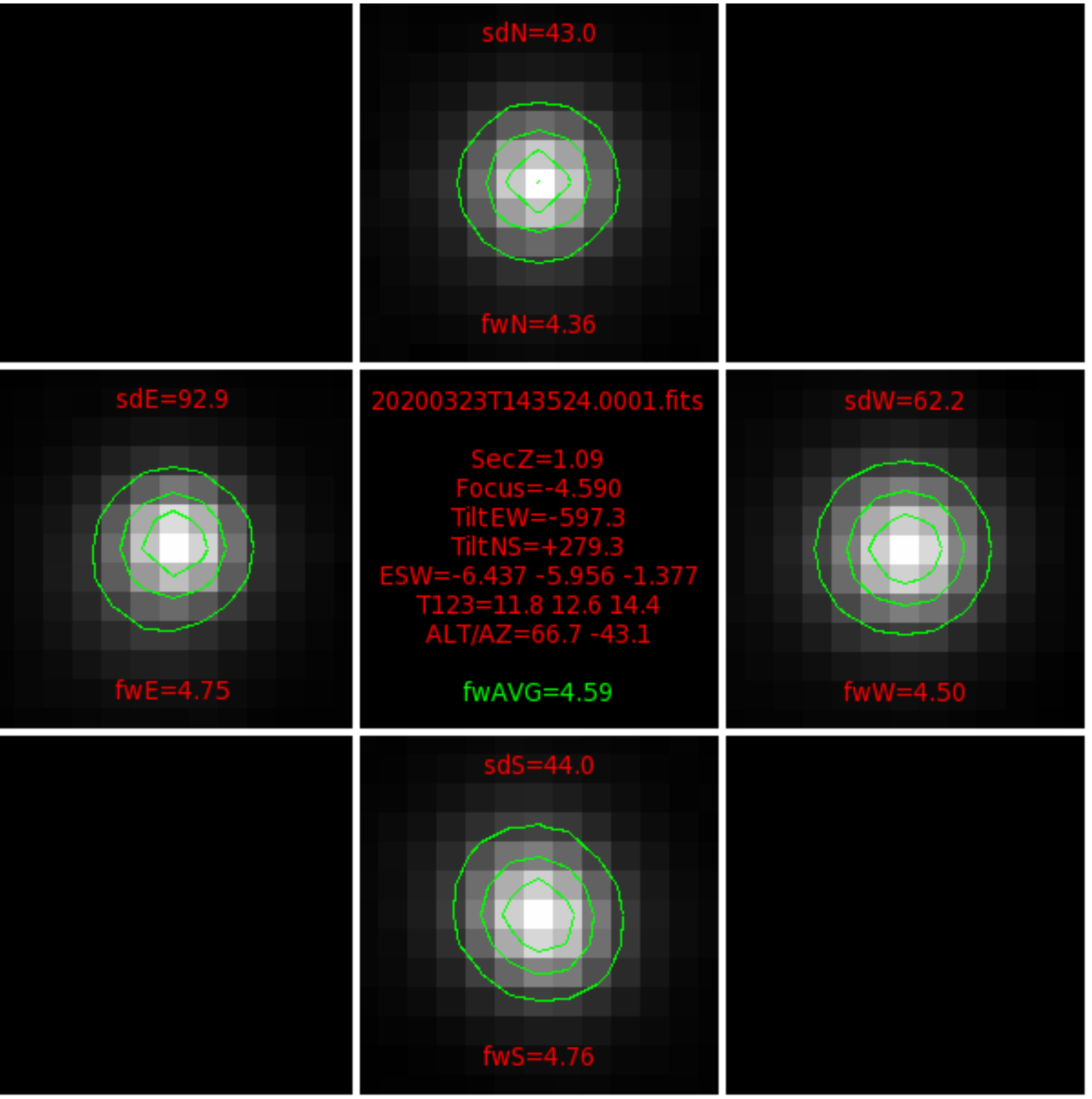
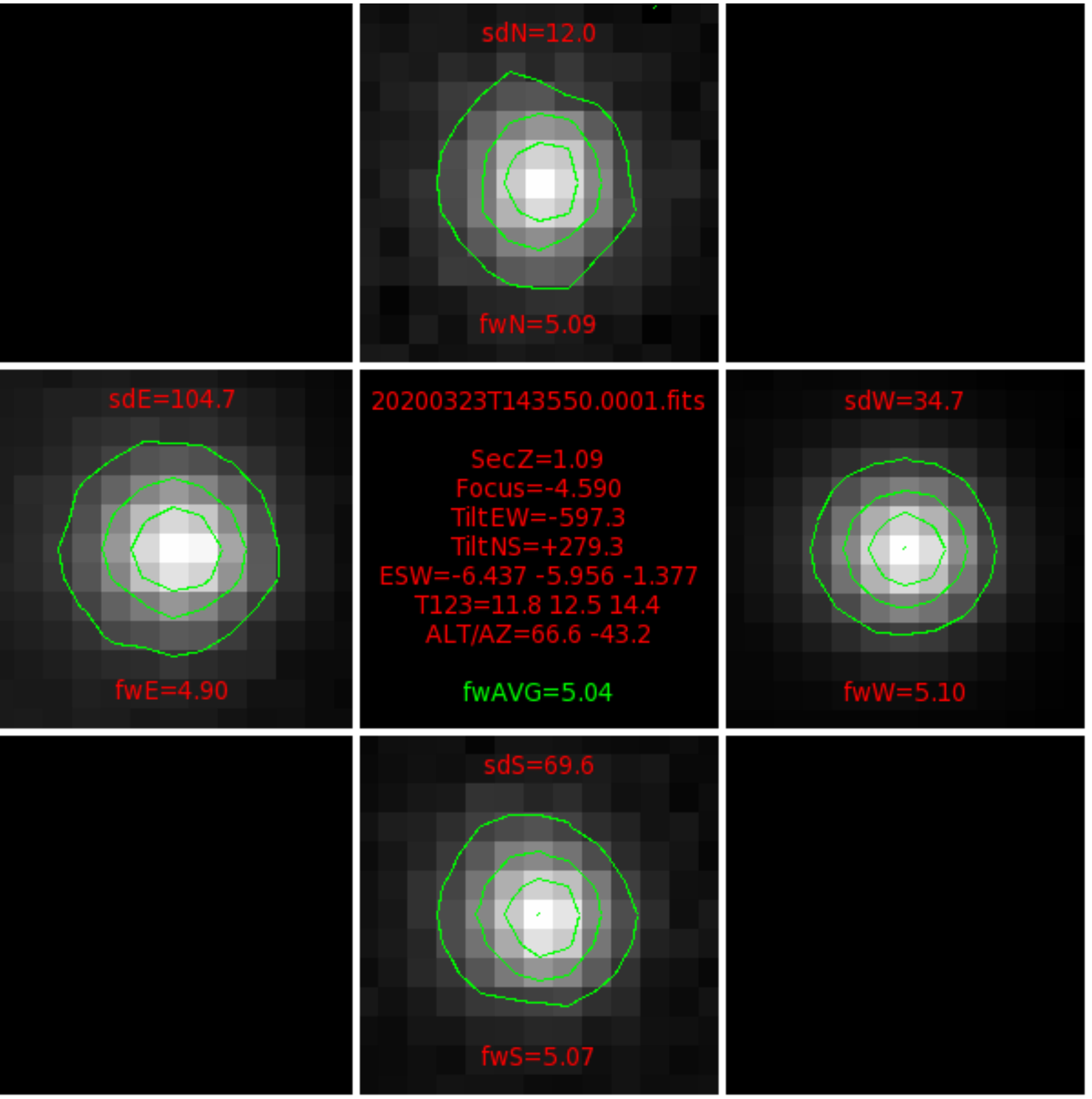
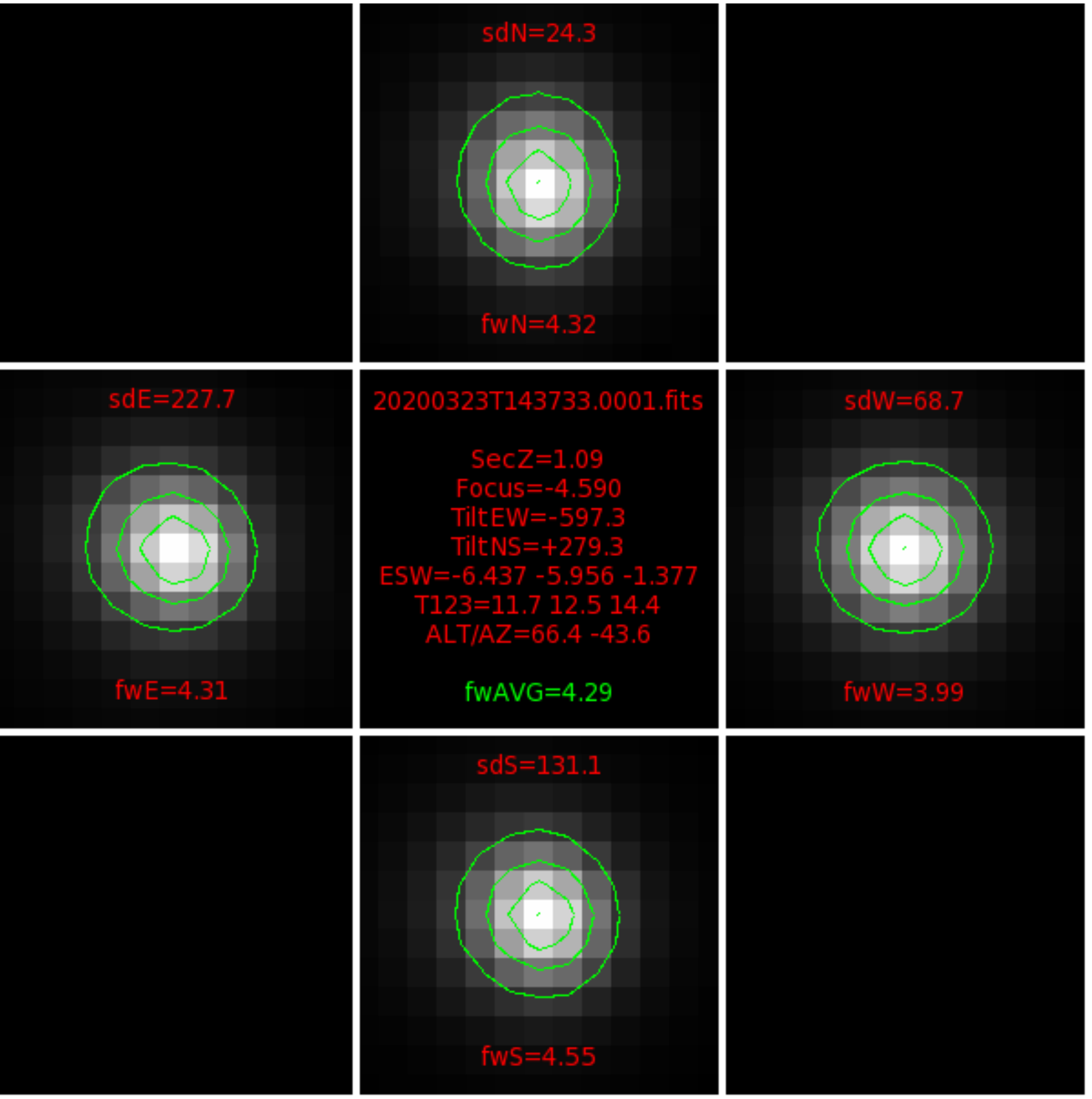

sdN=43.0
fwN=4.36
sdE=92.9
fwE=4.75
20200323T143524.0001.fits
SecZ=1.09
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.8 12.6 14.4
ALT/AZ=66.7 -43.1
fwAVG=4.59
sdW=62.2
fwW=4.50
sdS=44.0
fwS=4.76
0 0 0 0 0 0 0 0 0


sdN=12.0
fwN=5.09
sdE=104.7
fwE=4.90
20200323T143550.0001.fits
SecZ=1.09
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.8 12.5 14.4
ALT/AZ=66.6 -43.2
fwAVG=5.04
sdW=34.7
fwW=5.10
sdS=69.6
fwS=5.07
0 0 0 0 0 0 0 0 0


sdN=24.3
fwN=4.32
sdE=227.7
fwE=4.31
20200323T143733.0001.fits
SecZ=1.09
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.7 12.5 14.4
ALT/AZ=66.4 -43.6
fwAVG=4.29
sdW=68.7
fwW=3.99
sdS=131.1
fwS=4.55
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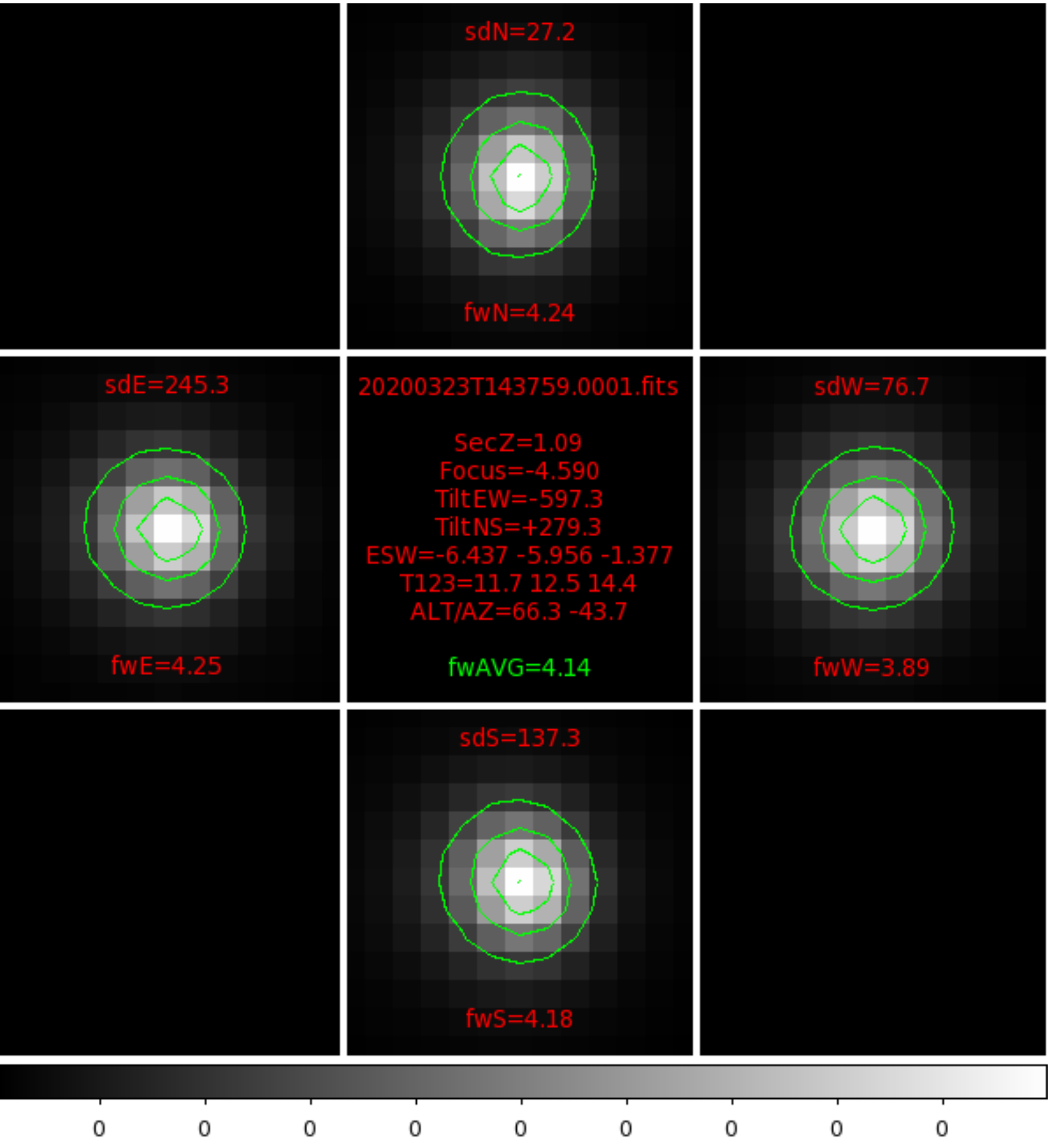
sdN=27.2
fwN=4.24
sdE=245.3
fwE=4.25
20200323T143759.0001.fits
SecZ=1.09
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.7 12.5 14.4
ALT/AZ=66.3 -43.7
fwAVG=4.14
sdW=76.7
fwW=3.89
sdS=137.3
fwS=4.18
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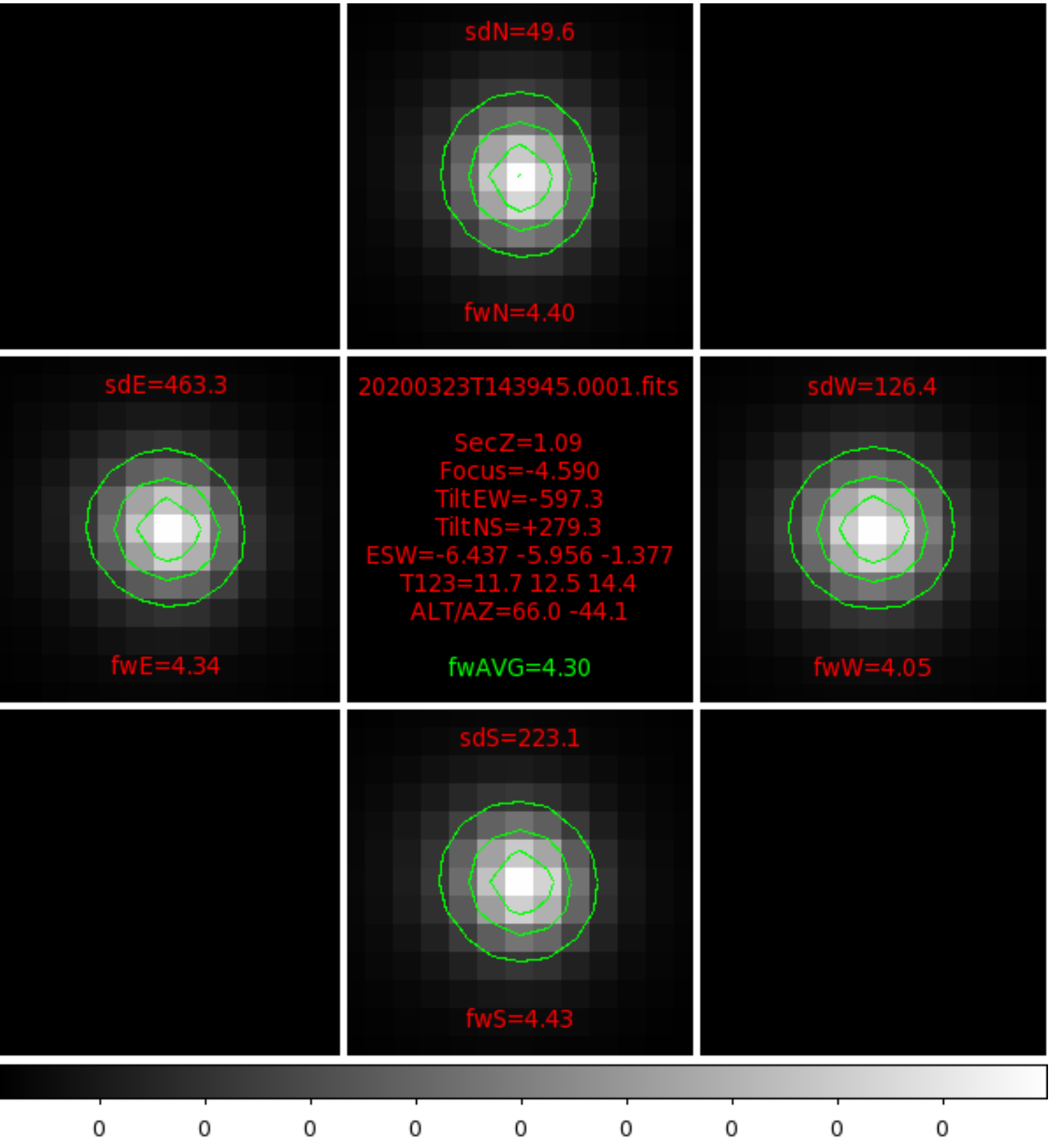
sdN=49.6
fwN=4.40
sdE=463.3
fwE=4.34
20200323T143945.0001.fits
SecZ=1.09
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.7 12.5 14.4
ALT/AZ=66.0 -44.1
fwAVG=4.30
sdW=126.4
fwW=4.05
sdS=223.1
fwS=4.43
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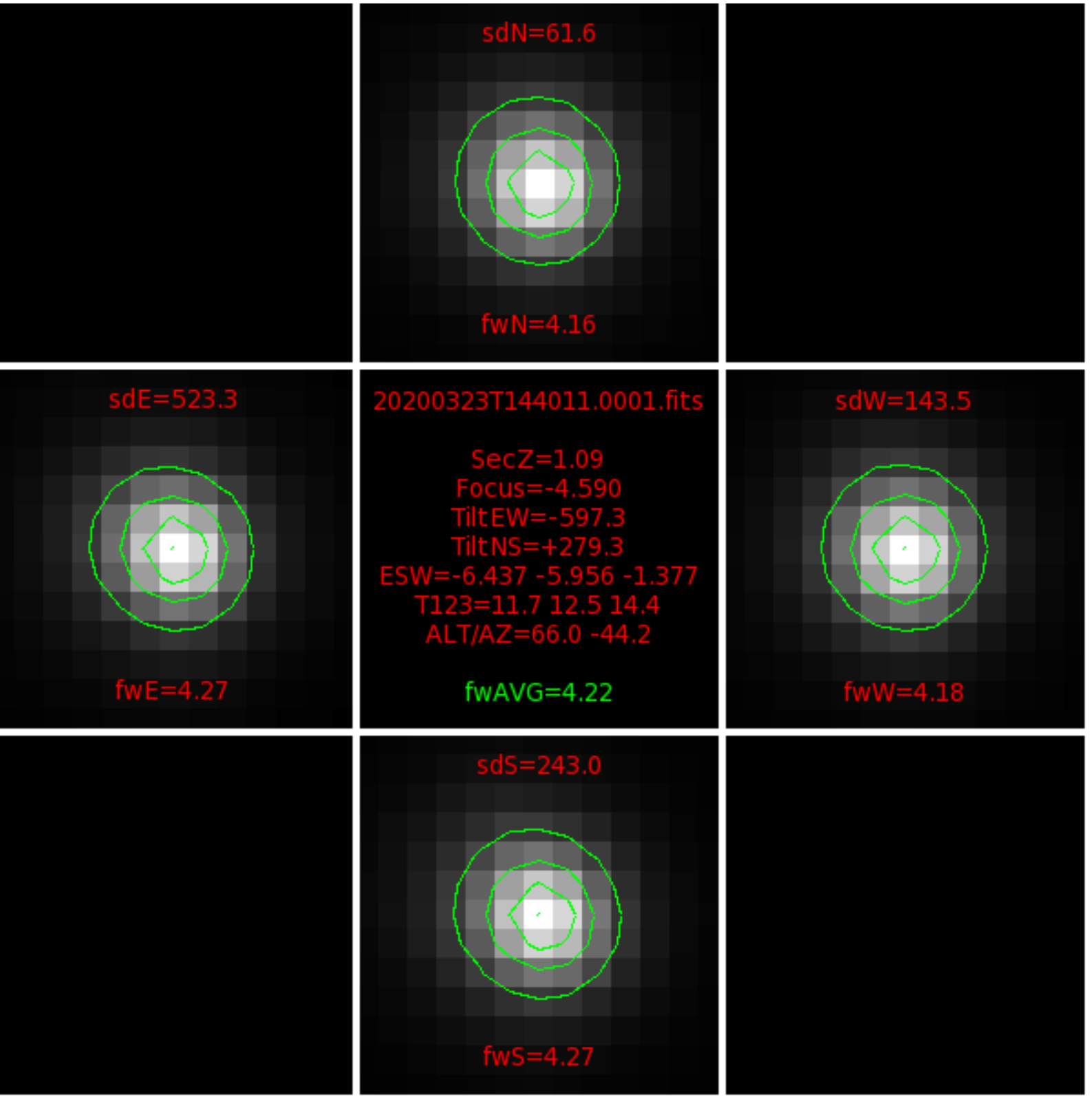
sdN=61.6
fwN=4.16
sdE=523.3
fwE=4.27
20200323T144011.0001.fits
SecZ=1.09
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.7 12.5 14.4
ALT/AZ=66.0 -44.2
fwAVG=4.22
sdW=143.5
fwW=4.18
sdS=243.0
fwS=4.27
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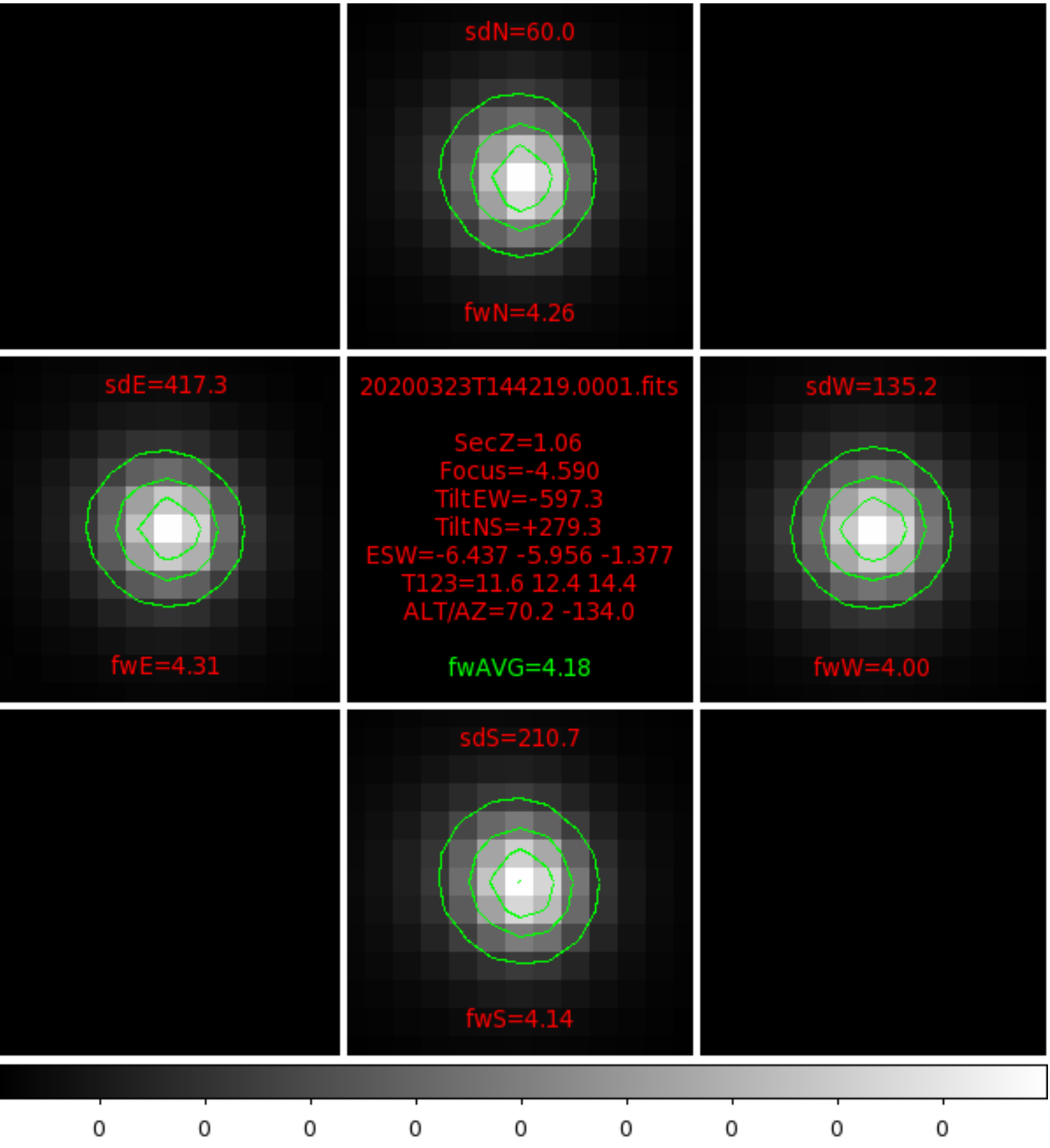
sdN=60.0
fwN=4.26
sdE=417.3
fwE=4.31
20200323T144219.0001.fits
SecZ=1.06
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.6 12.4 14.4
ALT/AZ=70.2 -134.0
fwAVG=4.18
sdW=135.2
fwW=4.00
sdS=210.7
fwS=4.14
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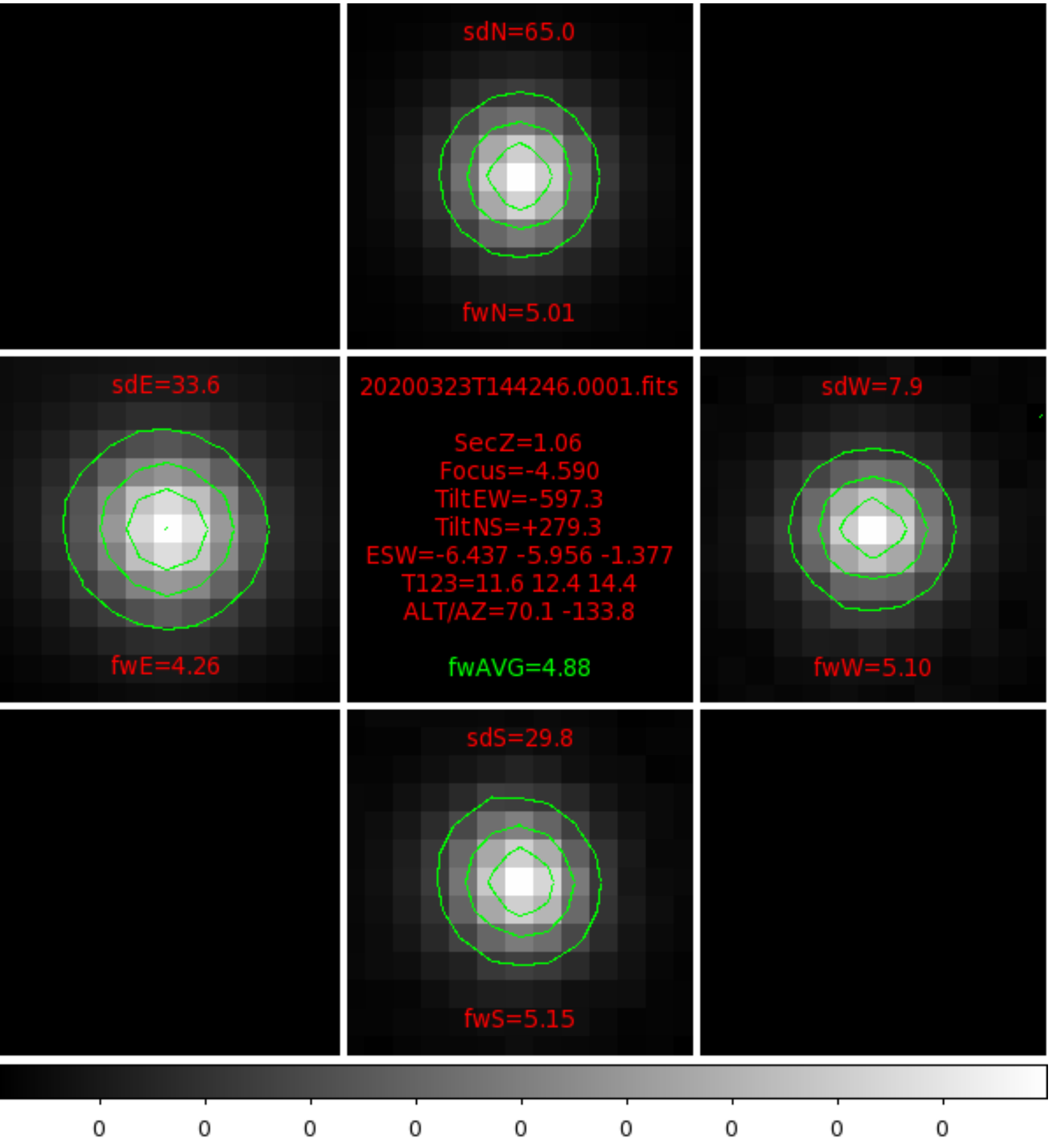
sdN=65.0
fwN=5.01
sdE=33.6
fwE=4.26
20200323T144246.0001.fits
SecZ=1.06
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.6 12.4 14.4
ALT/AZ=70.1 -133.8
fwAVG=4.88
sdW=7.9
fwW=5.10
sdS=29.8
fwS=5.15
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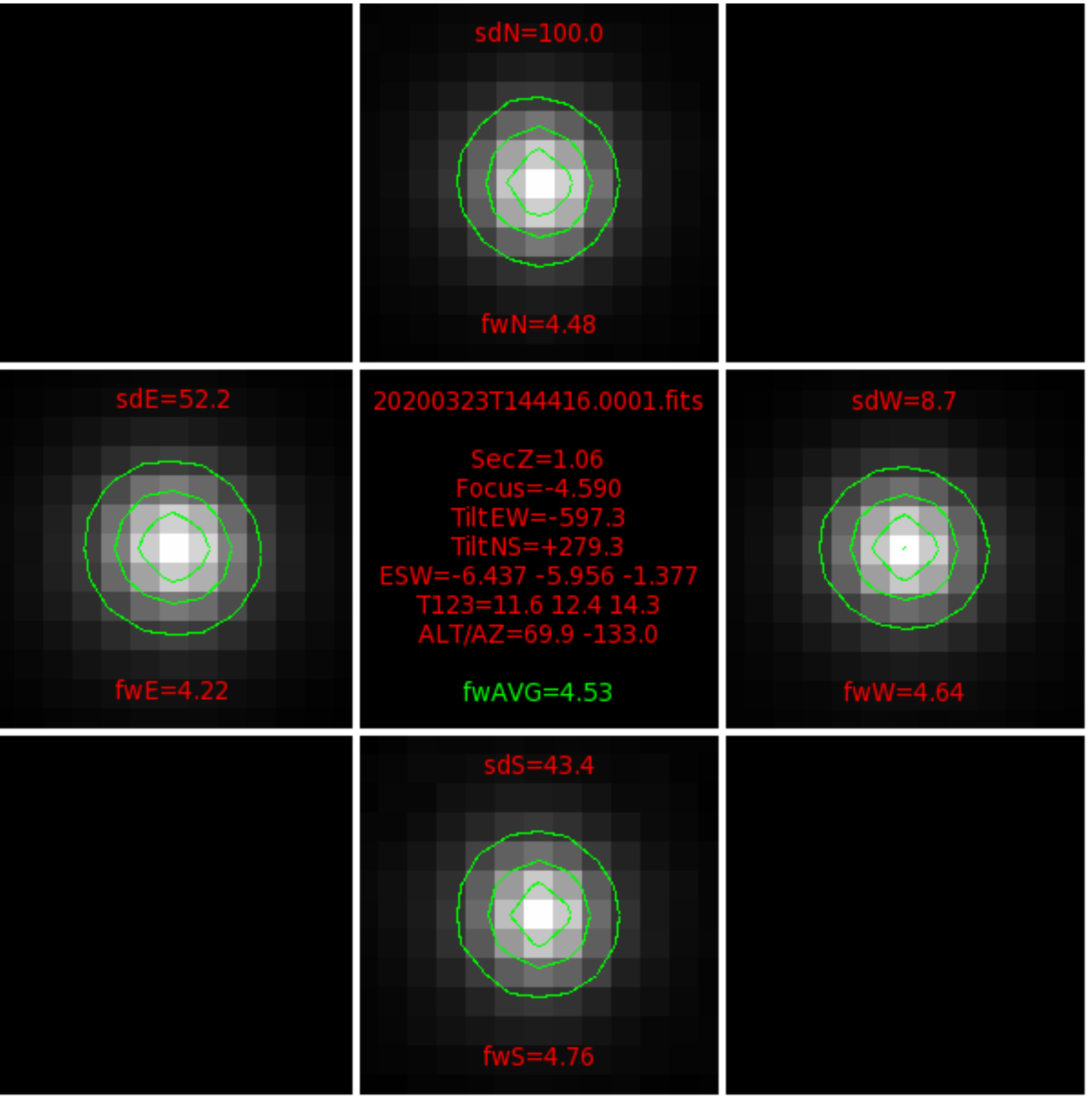
sdN=100.0
fwN=4.48
sdE=52.2
fwE=4.22
20200323T144416.0001.fits
SecZ=1.06
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.6 12.4 14.3
ALT/AZ=69.9 -133.0
fwAVG=4.53
sdW=8.7
fwW=4.64
sdS=43.4
fwS=4.76
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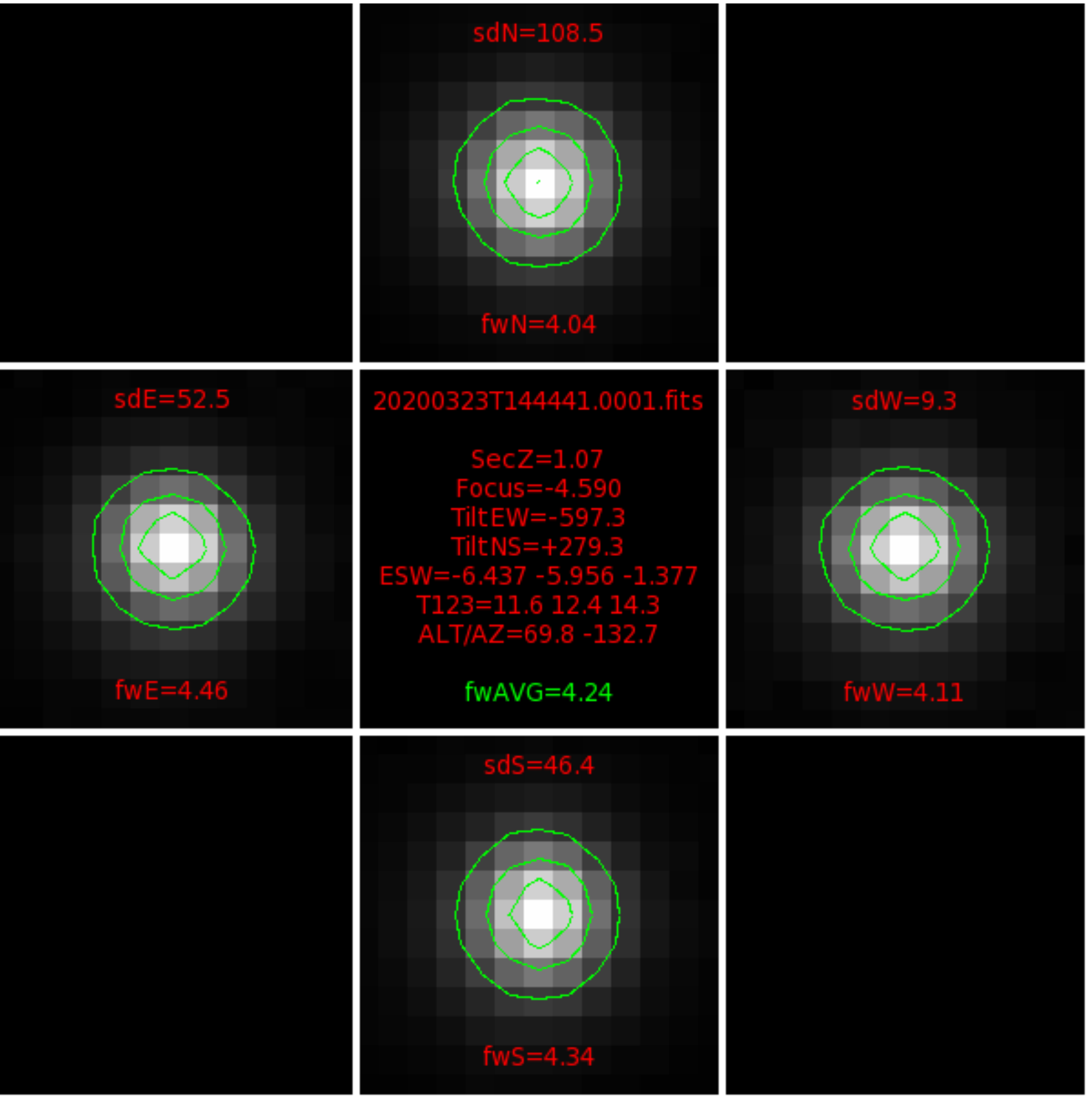
sdN=108.5
fwN=4.04
sdE=52.5
fwE=4.46
20200323T144441.0001.fits
SecZ=1.07
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.6 12.4 14.3
ALT/AZ=69.8 -132.7
fwAVG=4.24
sdW=9.3
fwW=4.11
sdS=46.4
fwS=4.34
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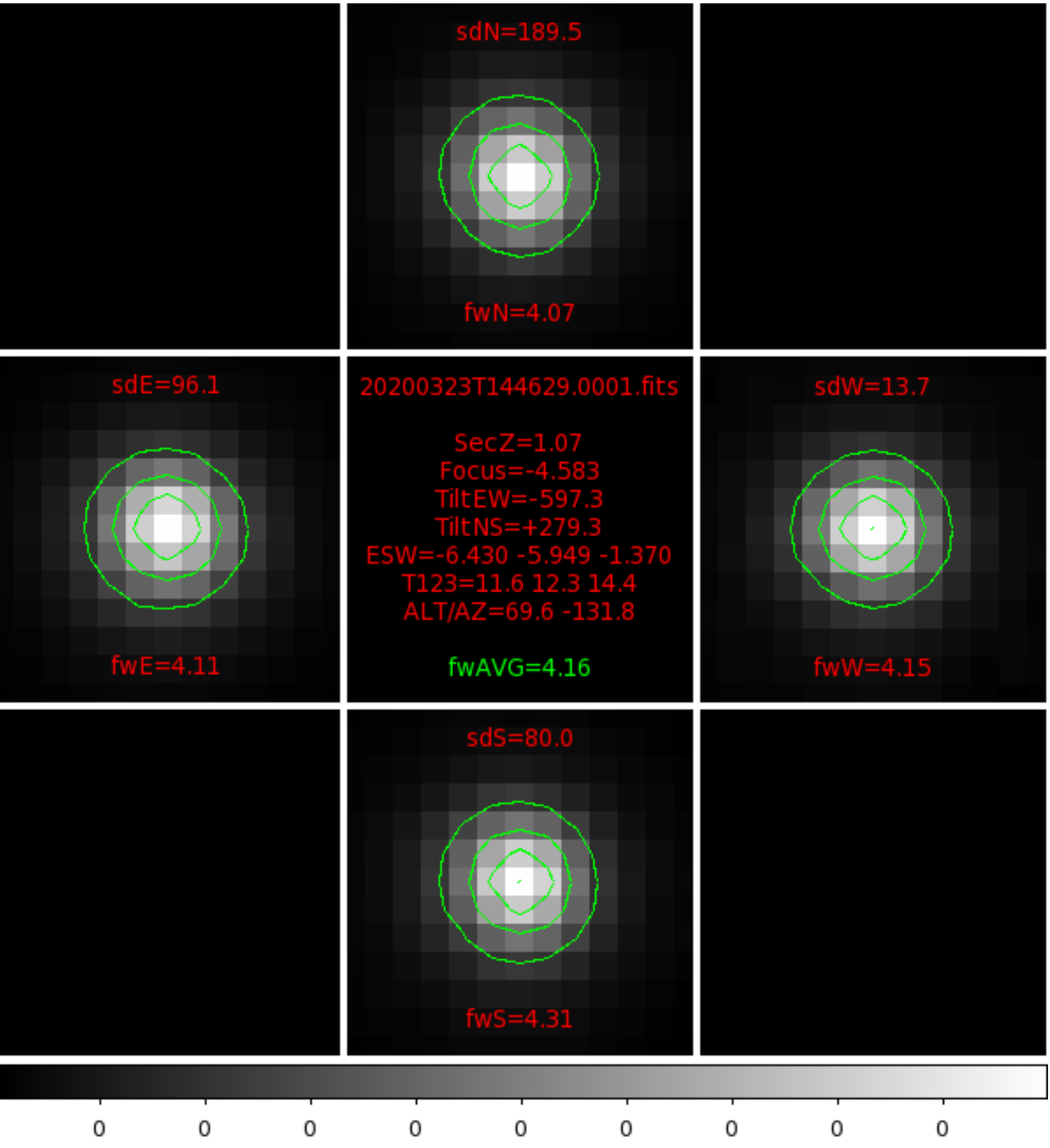
sdN=189.5
fwN=4.07
sdE=96.1
fwE=4.11
20200323T144629.0001.fits
SecZ=1.07
Focus=-4.583
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.430 -5.949 -1.370
T123=11.6 12.3 14.4
ALT/AZ=69.6 -131.8
fwAVG=4.16
sdW=13.7
fwW=4.15
sdS=80.0
fwS=4.31
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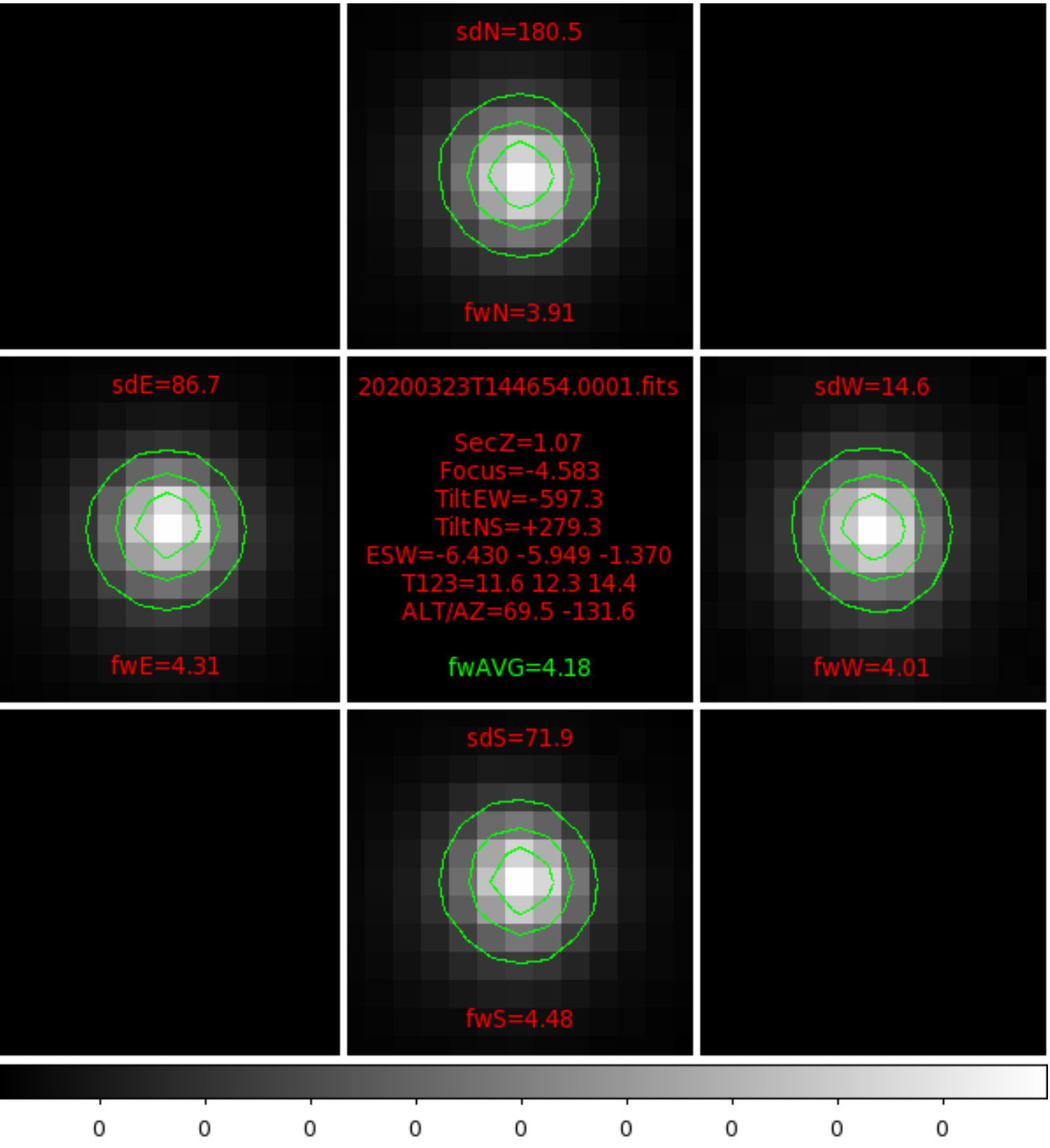
sdN=180.5
fwN=3.91
sdE=86.7
fwE=4.31
20200323T144654.0001.fits
SecZ=1.07
Focus=-4.583
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.430 -5.949 -1.370
T123=11.6 12.3 14.4
ALT/AZ=69.5 -131.6
fwAVG=4.18
sdW=14.6
fwW=4.01
sdS=71.9
fwS=4.48
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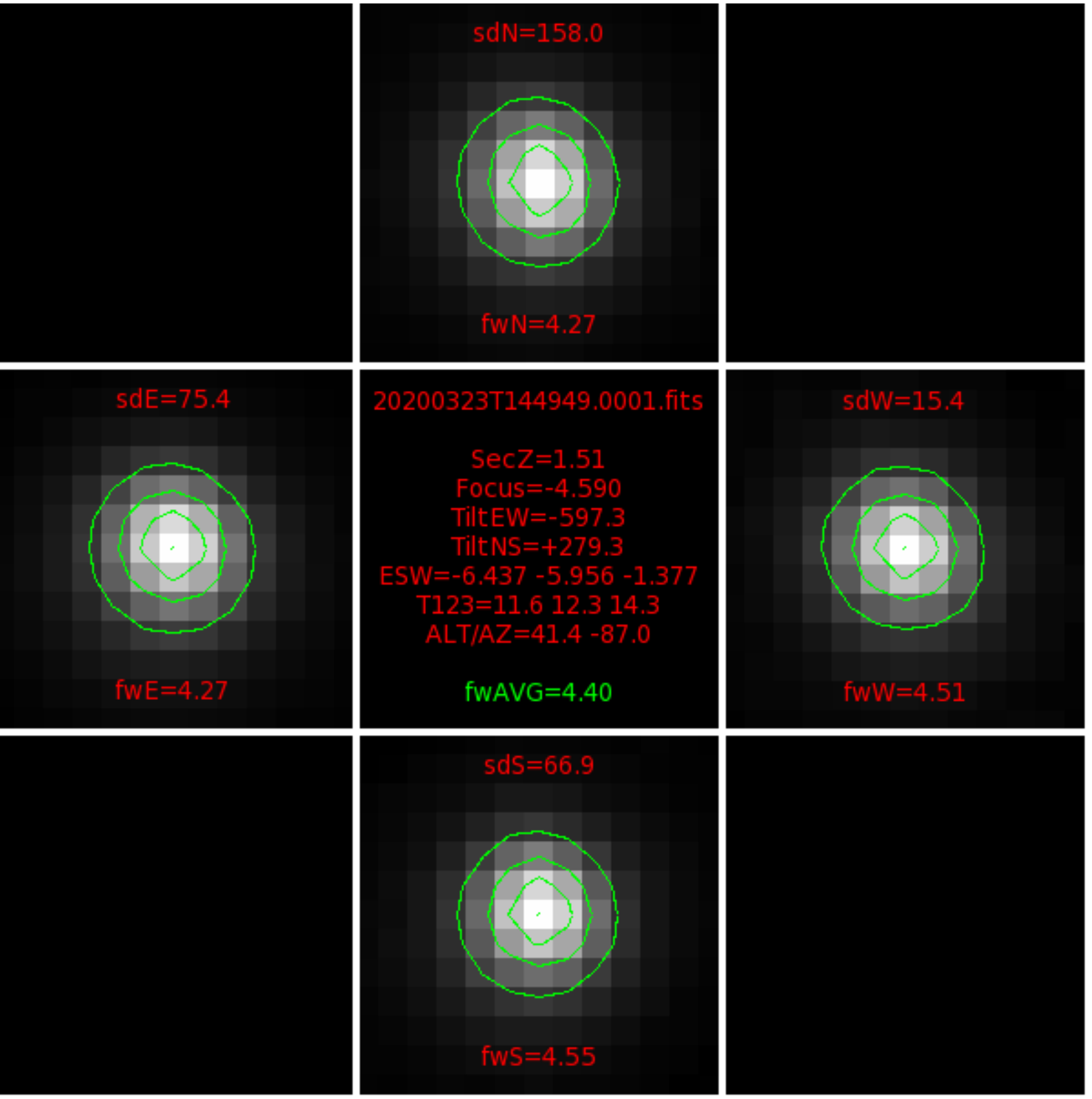
sdN=158.0
fwN=4.27
sdE=75.4
fwE=4.27
20200323T144949.0001.fits
SecZ=1.51
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.6 12.3 14.3
ALT/AZ=41.4 -87.0
fwAVG=4.40
sdW=15.4
fwW=4.51
sdS=66.9
fwS=4.55
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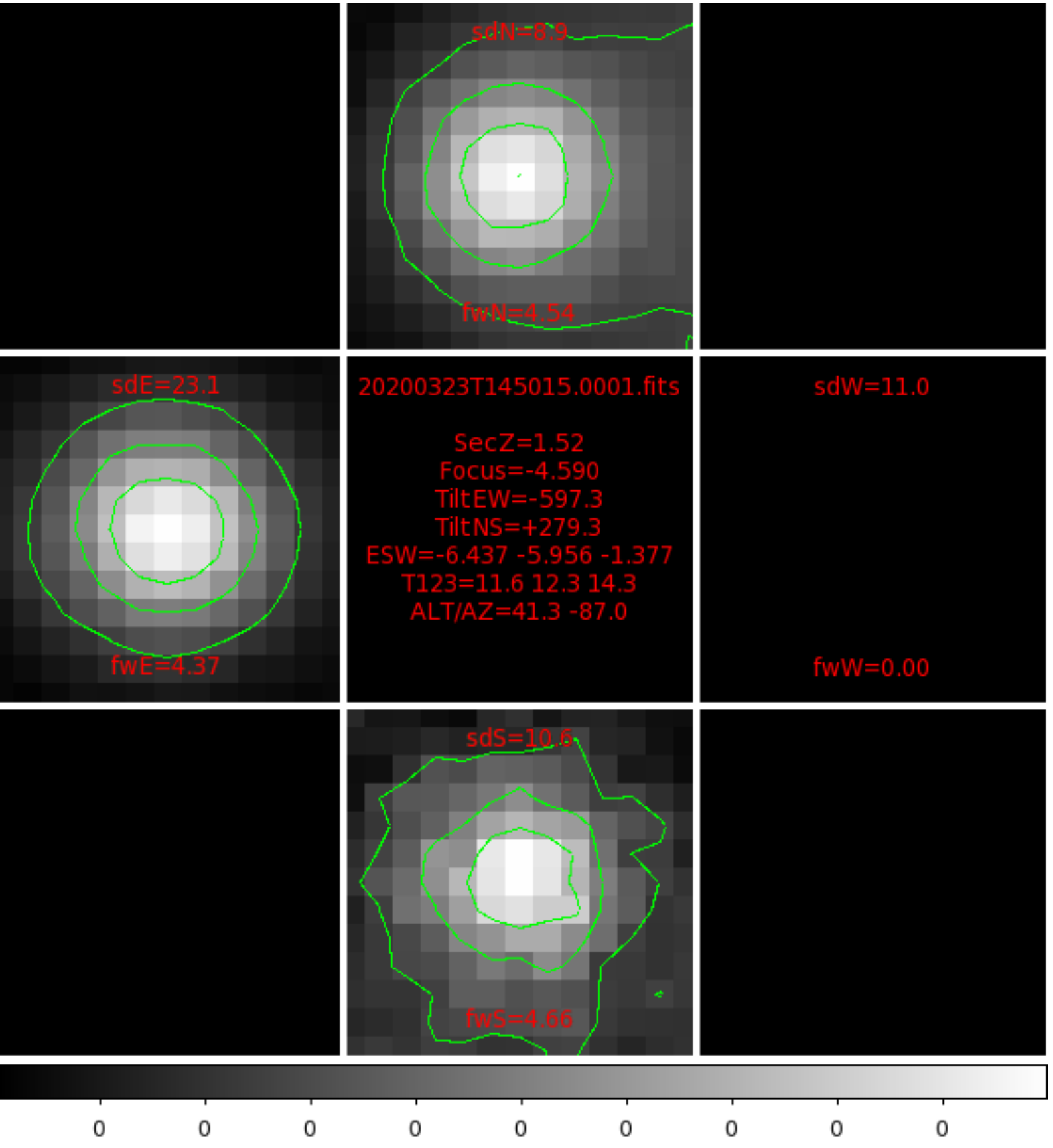
sdN=8.9
fwN=4.54
sdE=23.1
fwE=4.37
20200323T145015.0001.fits
SecZ=1.52
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.6 12.3 14.3
ALT/AZ=41.3 -87.0
sdW=11.0
fwW=0.00
sdS=10.6
fwS=4.66
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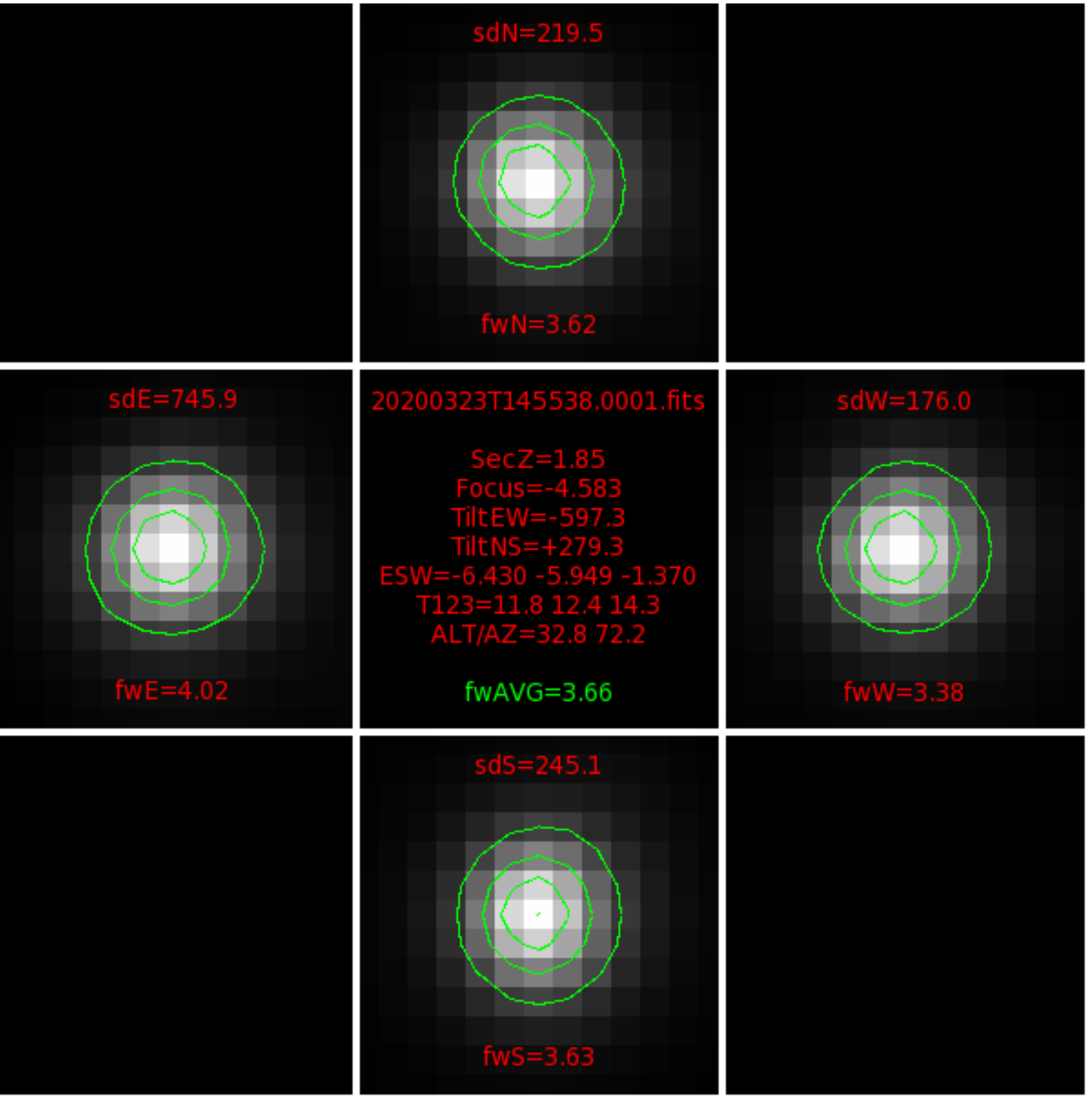
sdN=219.5
fwN=3.62
sdE=745.9
fwE=4.02
20200323T145538.0001.fits
SecZ=1.85
Focus=-4.583
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.430 -5.949 -1.370
T123=11.8 12.4 14.3
ALT/AZ=32.8 72.2
fwAVG=3.66
sdW=176.0
fwW=3.38
sdS=245.1
fwS=3.63
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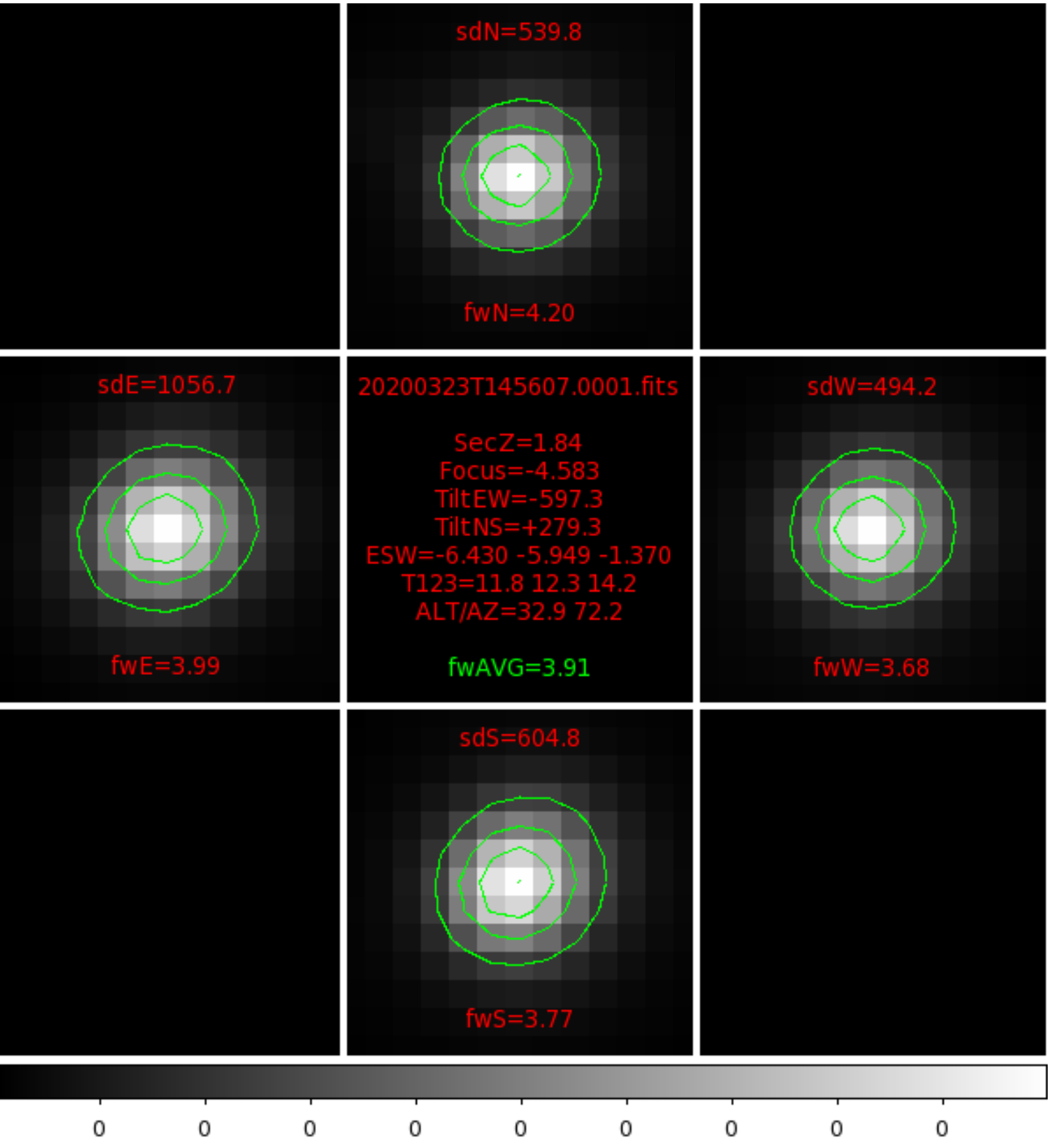
sdN=539.8
fwN=4.20
sdE=1056.7
fwE=3.99
20200323T145607.0001.fits
SecZ=1.84
Focus=-4.583
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.430 -5.949 -1.370
T123=11.8 12.3 14.2
ALT/AZ=32.9 72.2
fwAVG=3.91
sdW=494.2
fwW=3.68
sdS=604.8
fwS=3.77
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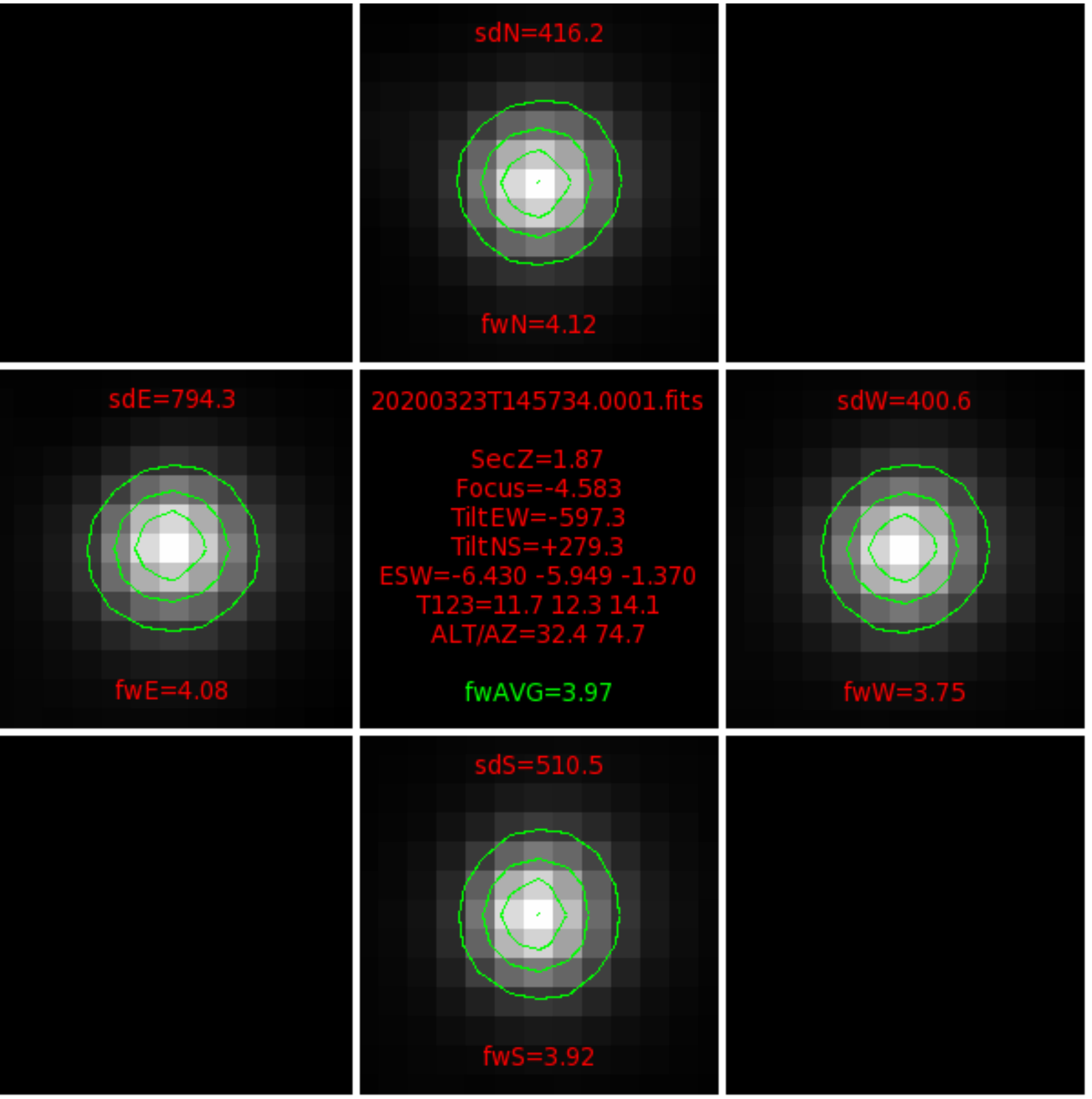
sdN=416.2
fwN=4.12
sdE=794.3
fwE=4.08
20200323T145734.0001.fits
SecZ=1.87
Focus=-4.583
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.430 -5.949 -1.370
T123=11.7 12.3 14.1
ALT/AZ=32.4 74.7
fwAVG=3.97
sdW=400.6
fwW=3.75
sdS=510.5
fwS=3.92
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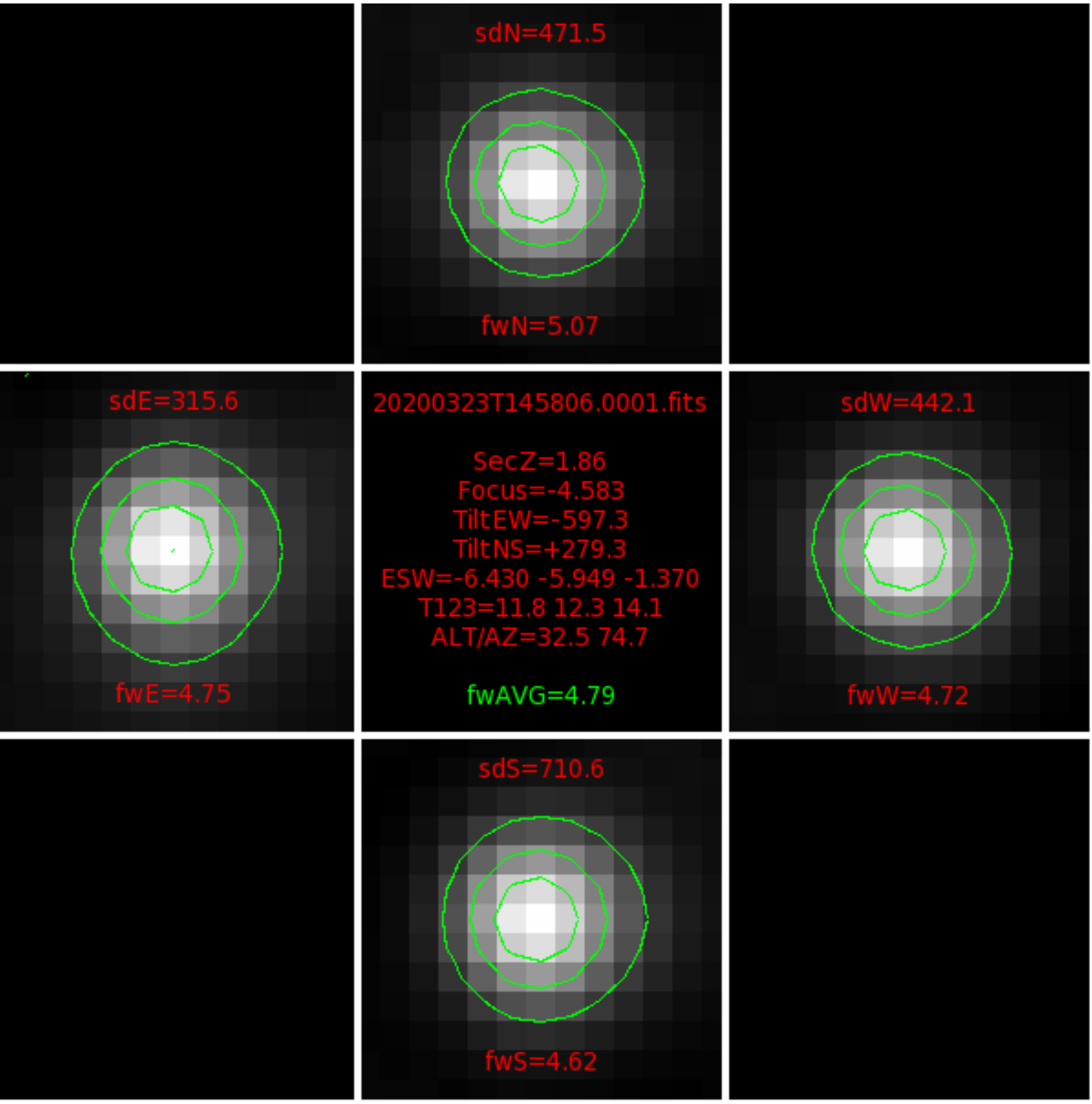
sdN=471.5
fwN=5.07
sdE=315.6
fwE=4.75
20200323T145806.0001.fits
SecZ=1.86
Focus=-4.583
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.430 -5.949 -1.370
T123=11.8 12.3 14.1
ALT/AZ=32.5 74.7
fwAVG=4.79
sdW=442.1
fwW=4.72
sdS=710.6
fwS=4.62
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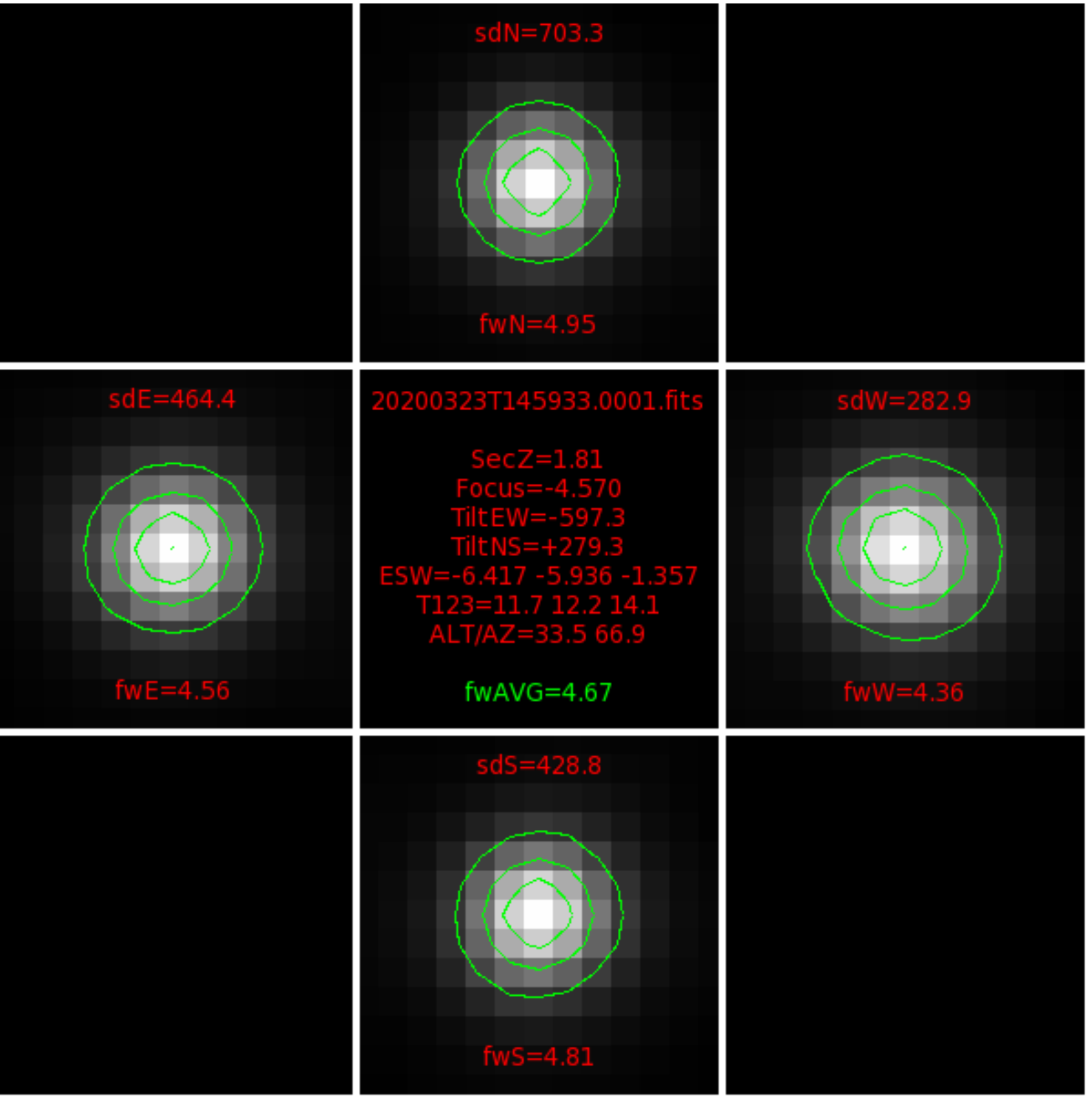
sdN=703.3
fwN=4.95
sdE=464.4
fwE=4.56
20200323T145933.0001.fits
SecZ=1.81
Focus=-4.570
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.417 -5.936 -1.357
T123=11.7 12.2 14.1
ALT/AZ=33.5 66.9
fwAVG=4.67
sdW=282.9
fwW=4.36
sdS=428.8
fwS=4.81
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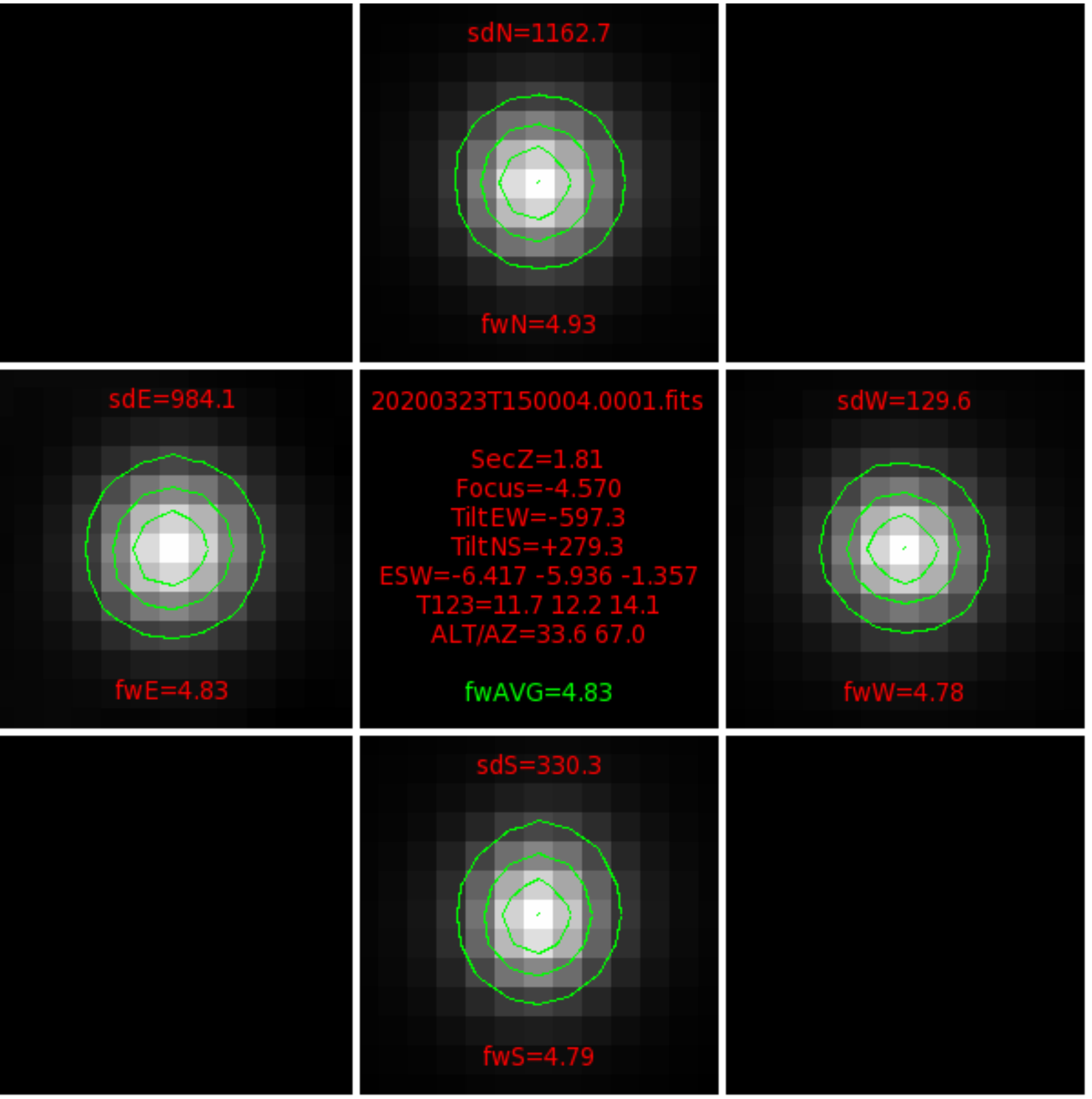
sdN=1162.7
fwN=4.93
sdE=984.1
fwE=4.83
20200323T150004.0001.fits
SecZ=1.81
Focus=-4.570
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.417 -5.936 -1.357
T123=11.7 12.2 14.1
ALT/AZ=33.6 67.0
fwAVG=4.83
sdW=129.6
fwW=4.78
sdS=330.3
fwS=4.79
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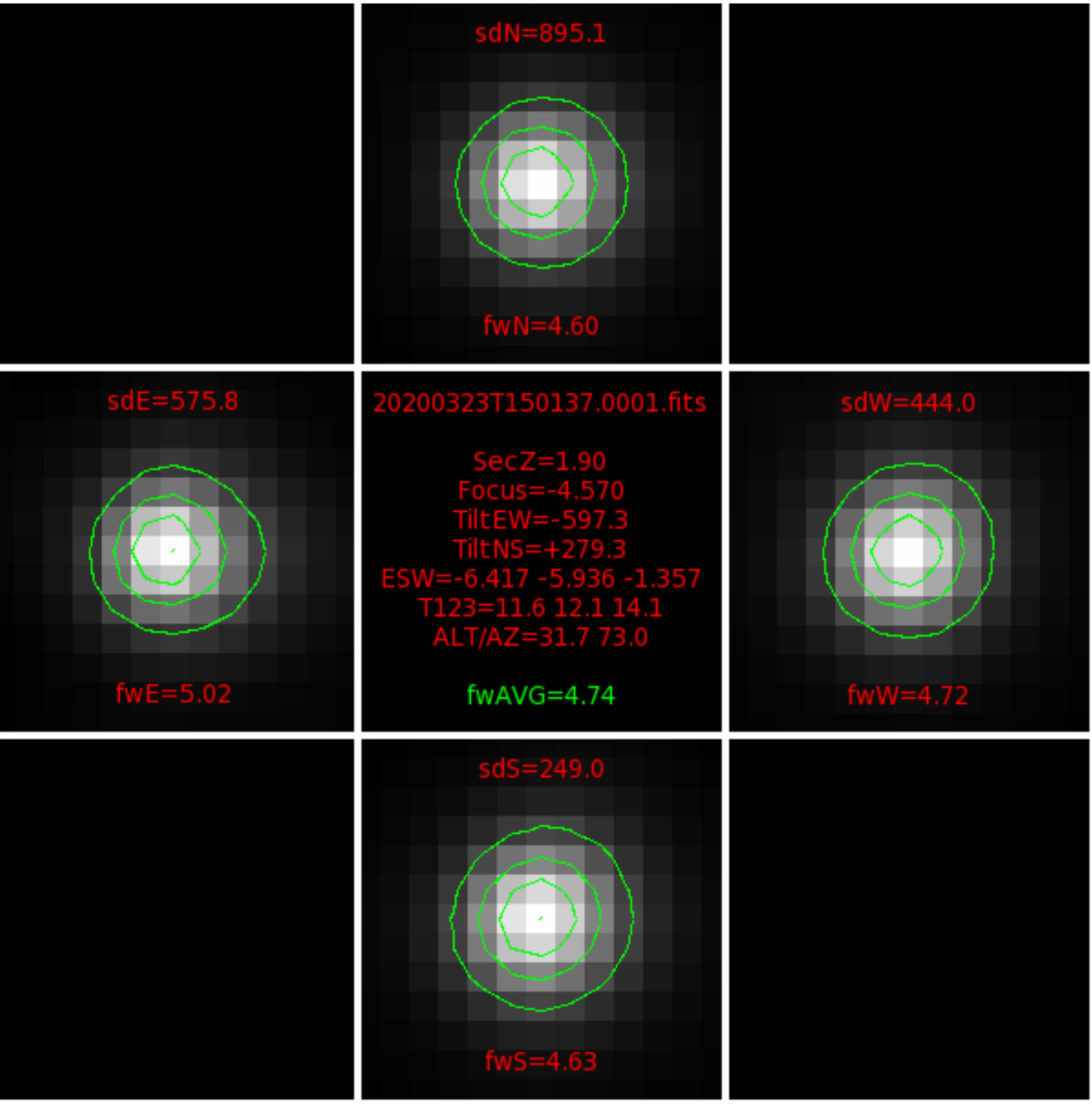
sdN=895.1
fwN=4.60
sdE=575.8
fwE=5.02
20200323T150137.0001.fits
SecZ=1.90
Focus=-4.570
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.417 -5.936 -1.357
T123=11.6 12.1 14.1
ALT/AZ=31.7 73.0
fwAVG=4.74
sdW=444.0
fwW=4.72
sdS=249.0
fwS=4.63
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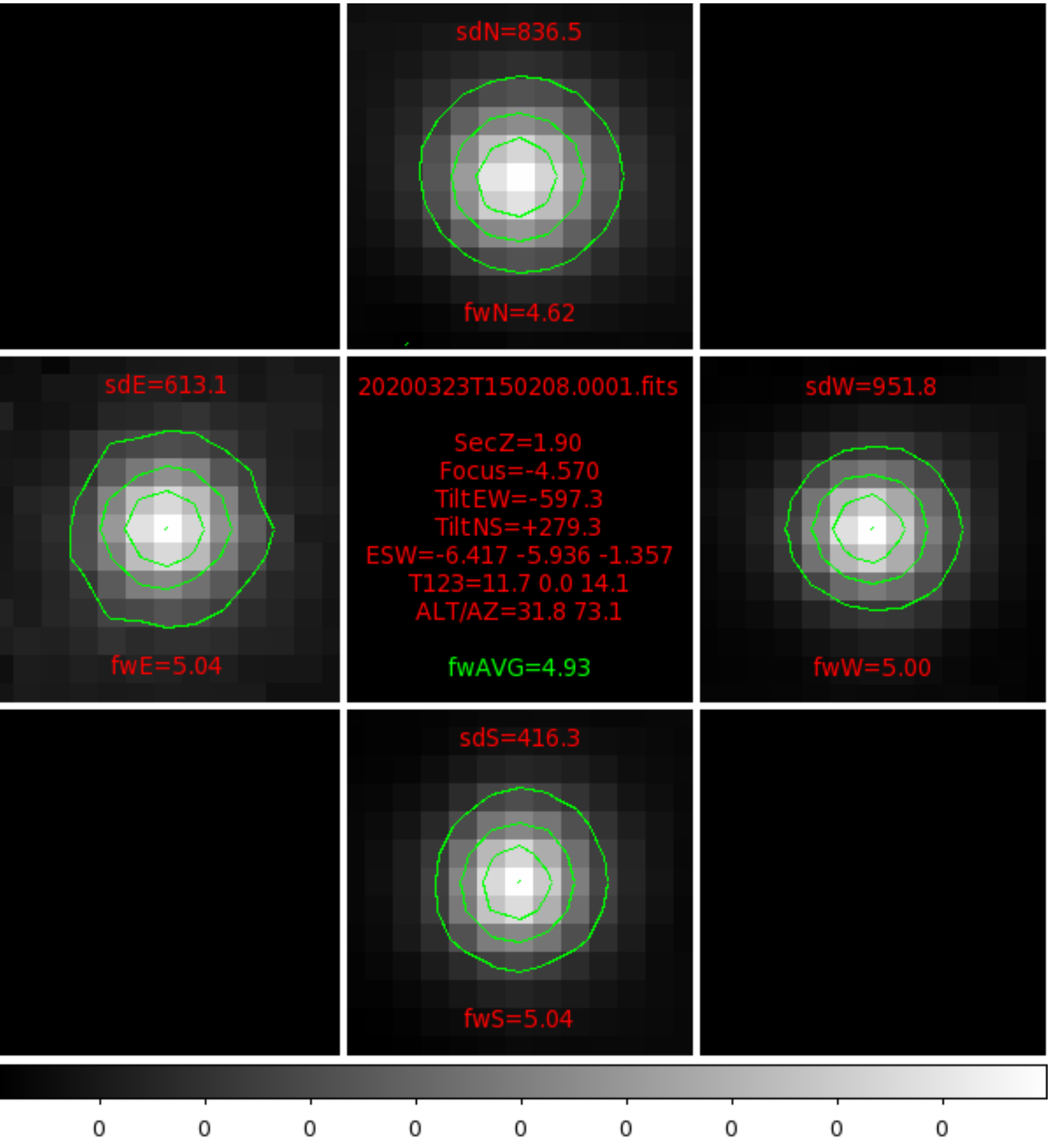
sdN=836.5
fwN=4.62
sdE=613.1
fwE=5.04
20200323T150208.0001.fits
SecZ=1.90
Focus=-4.570
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.417 -5.936 -1.357
T123=11.7 0.0 14.1
ALT/AZ=31.8 73.1
fwAVG=4.93
sdW=951.8
fwW=5.00
sdS=416.3
fwS=5.04
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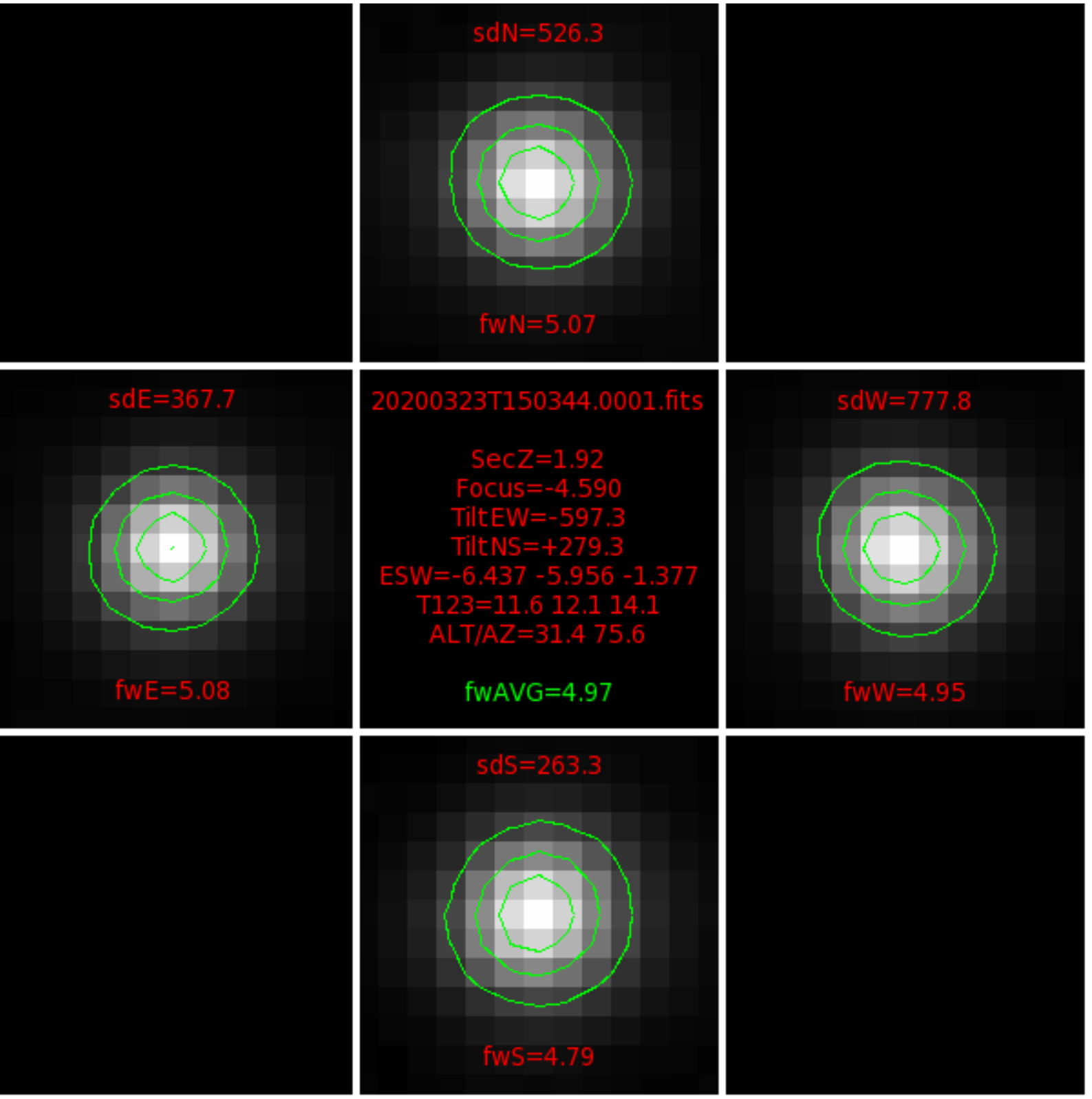
sdN=526.3
fwN=5.07
sdE=367.7
fwE=5.08
20200323T150344.0001.fits
SecZ=1.92
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.6 12.1 14.1
ALT/AZ=31.4 75.6
fwAVG=4.97
sdW=777.8
fwW=4.95
sdS=263.3
fwS=4.79
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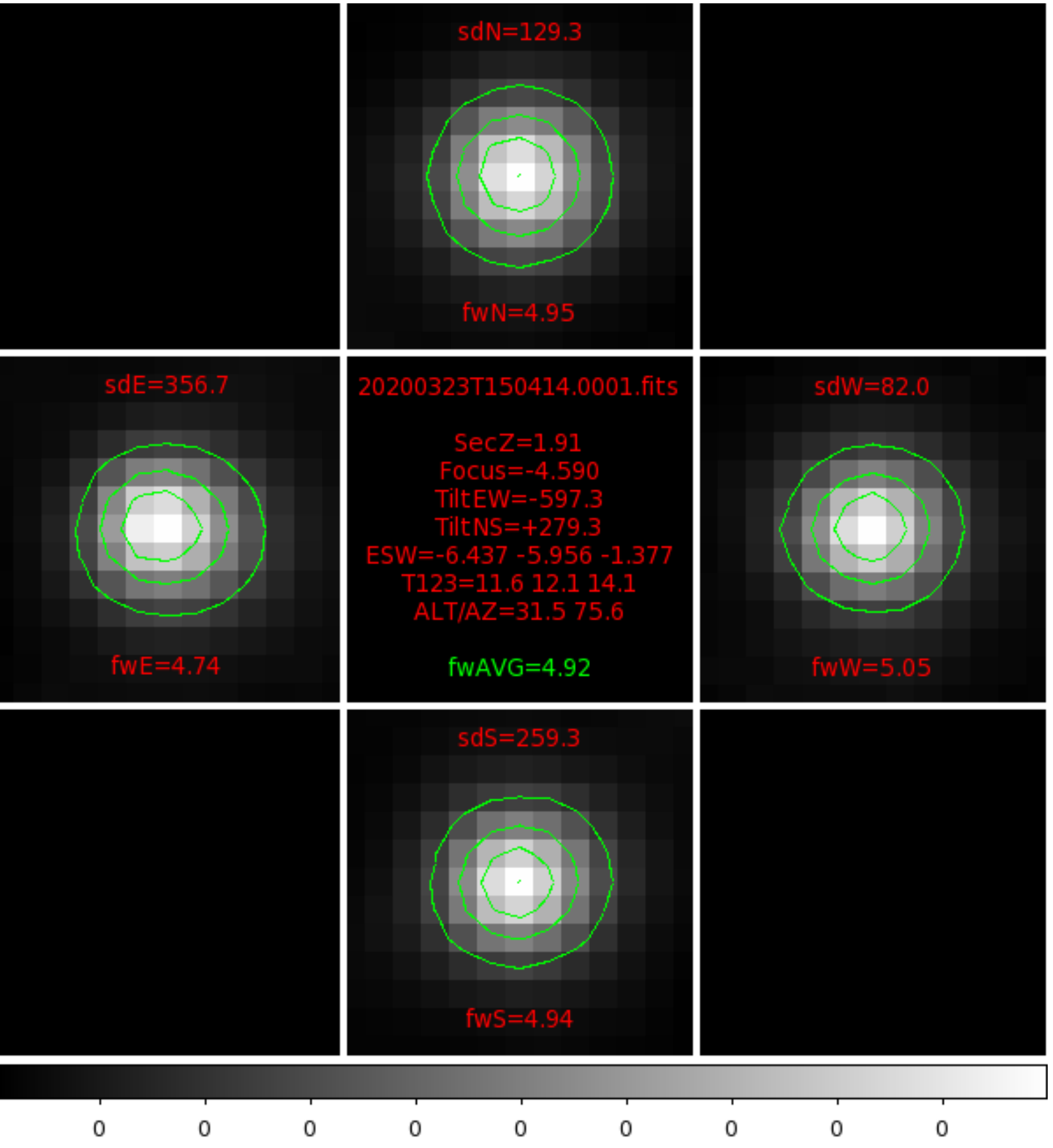
sdN=129.3
fwN=4.95
sdE=356.7
fwE=4.74
20200323T150414.0001.fits
SecZ=1.91
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.6 12.1 14.1
ALT/AZ=31.5 75.6
fwAVG=4.92
sdW=82.0
fwW=5.05
sdS=259.3
fwS=4.94
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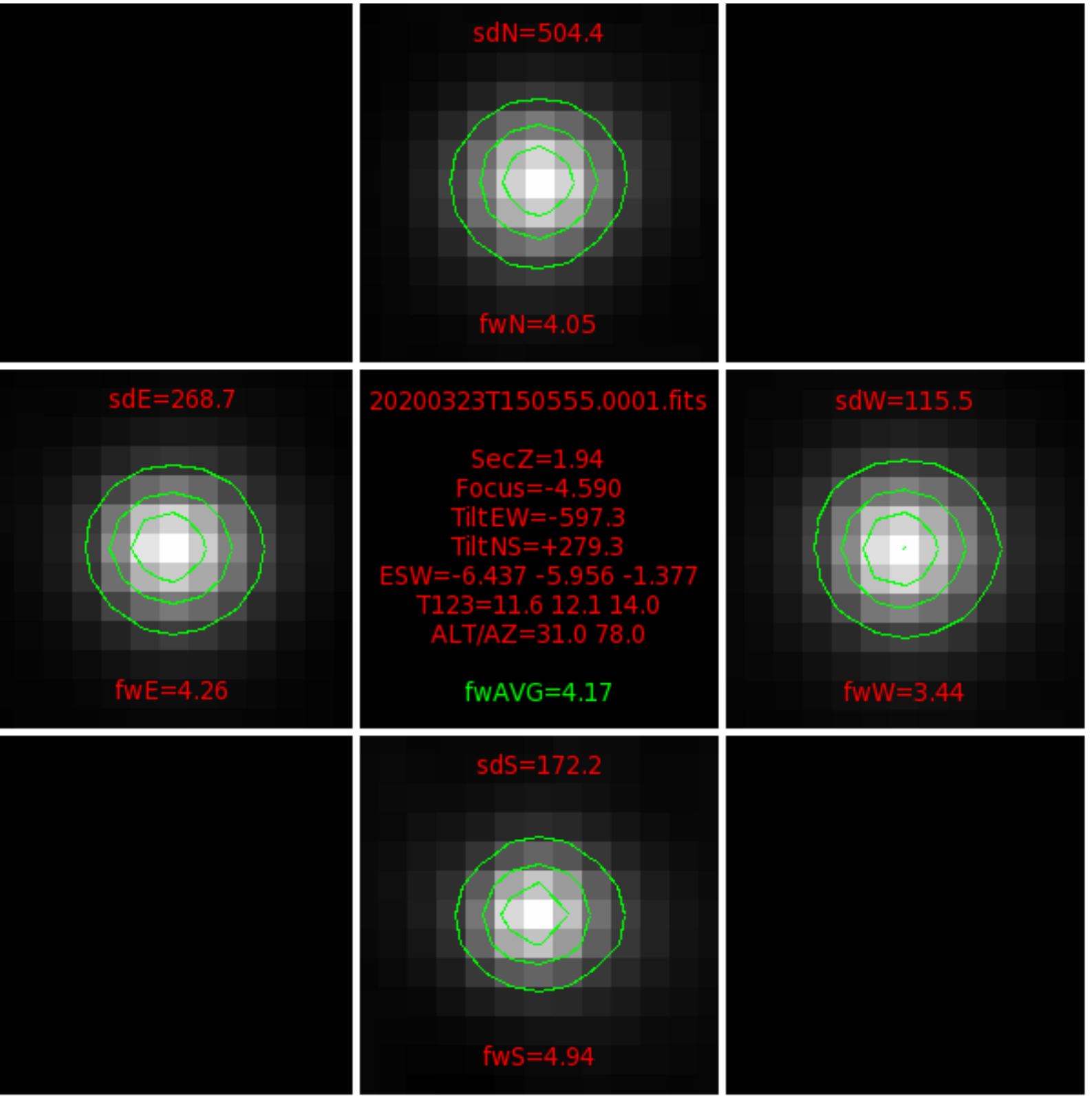
sdN=504.4
fwN=4.05
sdE=268.7
fwE=4.26
20200323T150555.0001.fits
SecZ=1.94
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.6 12.1 14.0
ALT/AZ=31.0 78.0
fwAVG=4.17
sdW=115.5
fwW=3.44
sdS=172.2
fwS=4.94
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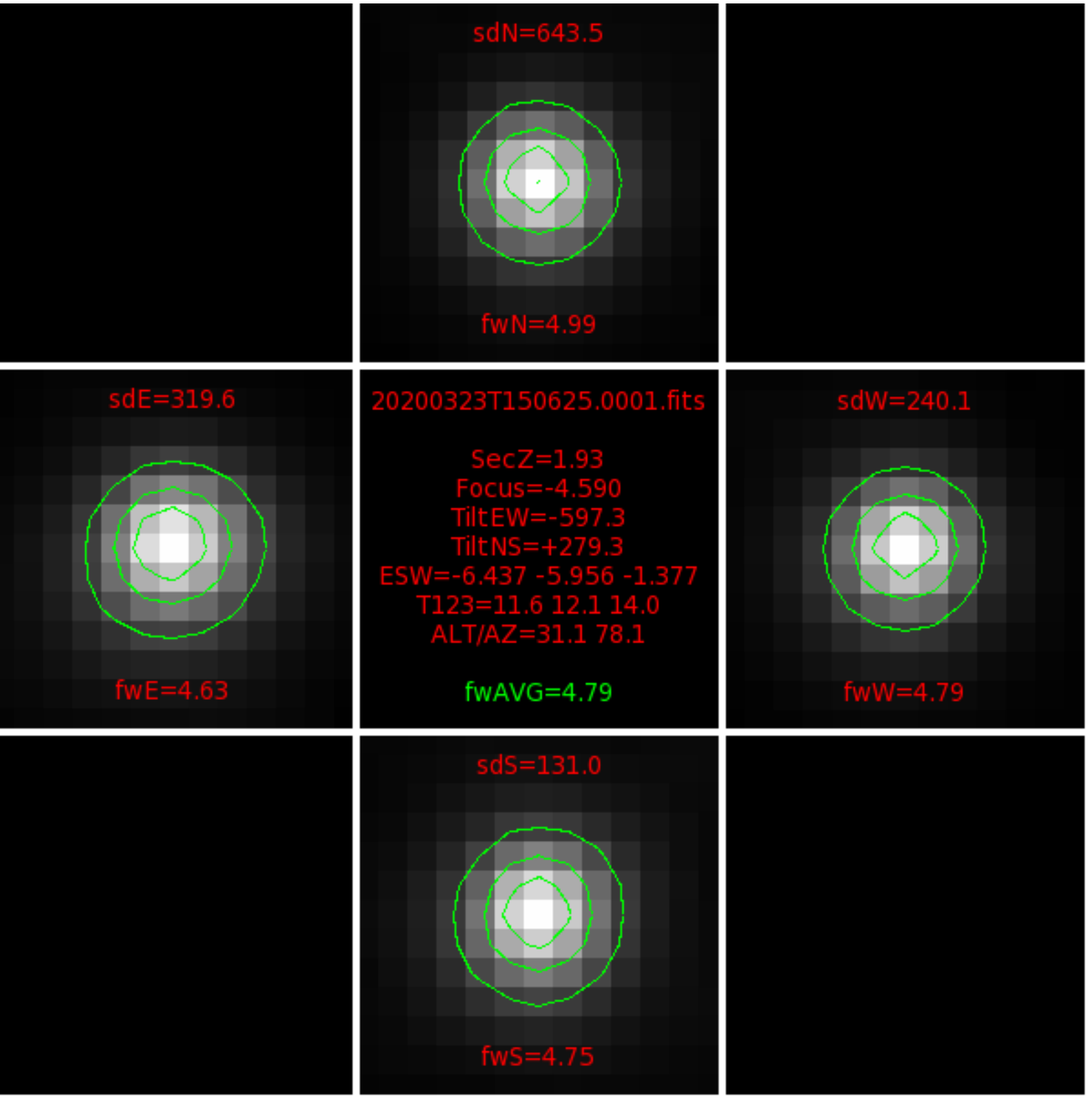
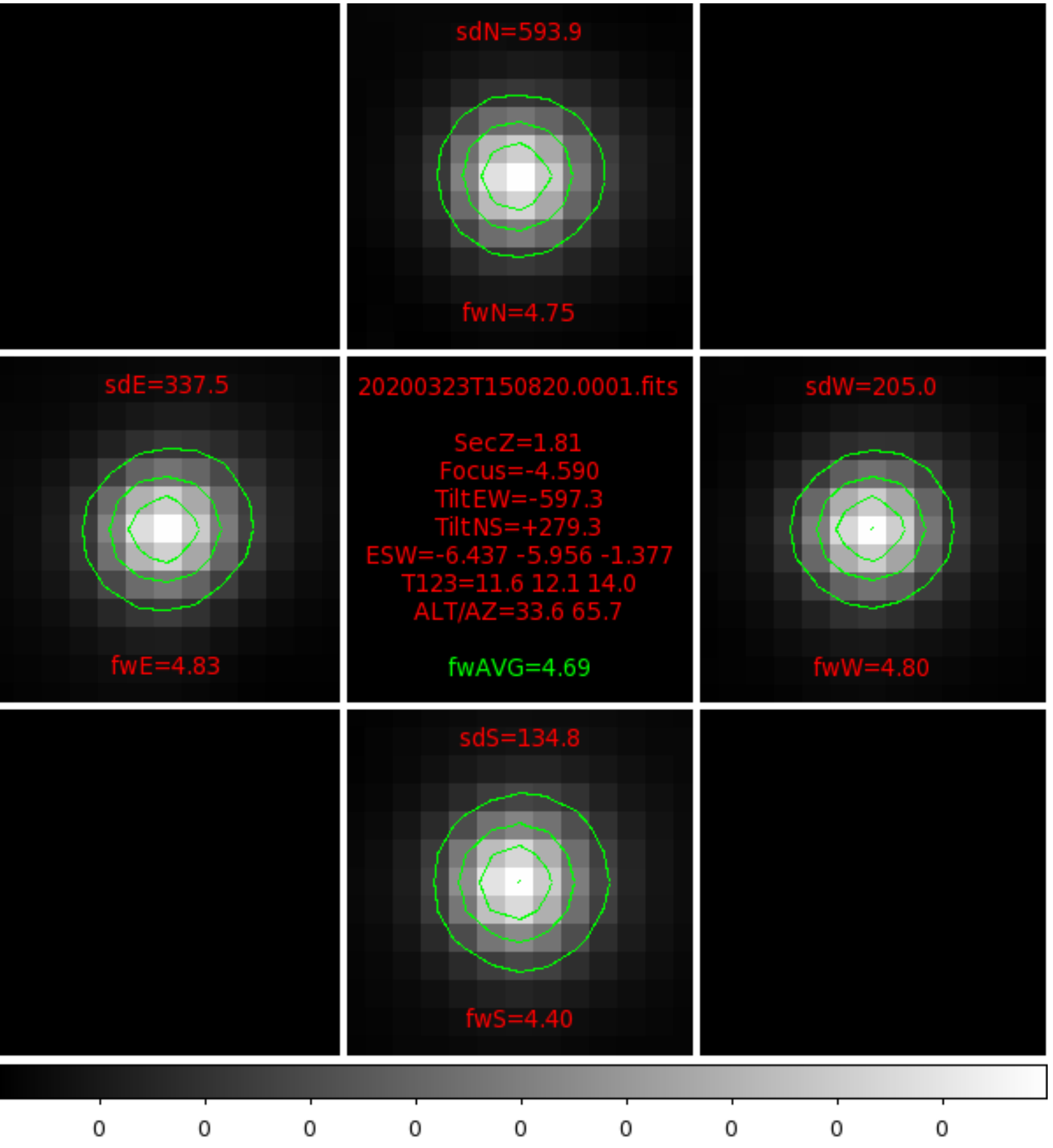

sdN=643.5
fwN=4.99
sdE=319.6
fwE=4.63
20200323T150625.0001.fits
SecZ=1.93
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.6 12.1 14.0
ALT/AZ=31.1 78.1
fwAVG=4.79
sdW=240.1
fwW=4.79
sdS=131.0
fwS=4.75
0 0 0 0 0 0 0 0 0


sdN=593.9
fwN=4.75
sdE=337.5
fwE=4.83
20200323T150820.0001.fits
SecZ=1.81
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.6 12.1 14.0
ALT/AZ=33.6 65.7
fwAVG=4.69
sdW=205.0
fwW=4.80
sdS=134.8
fwS=4.40
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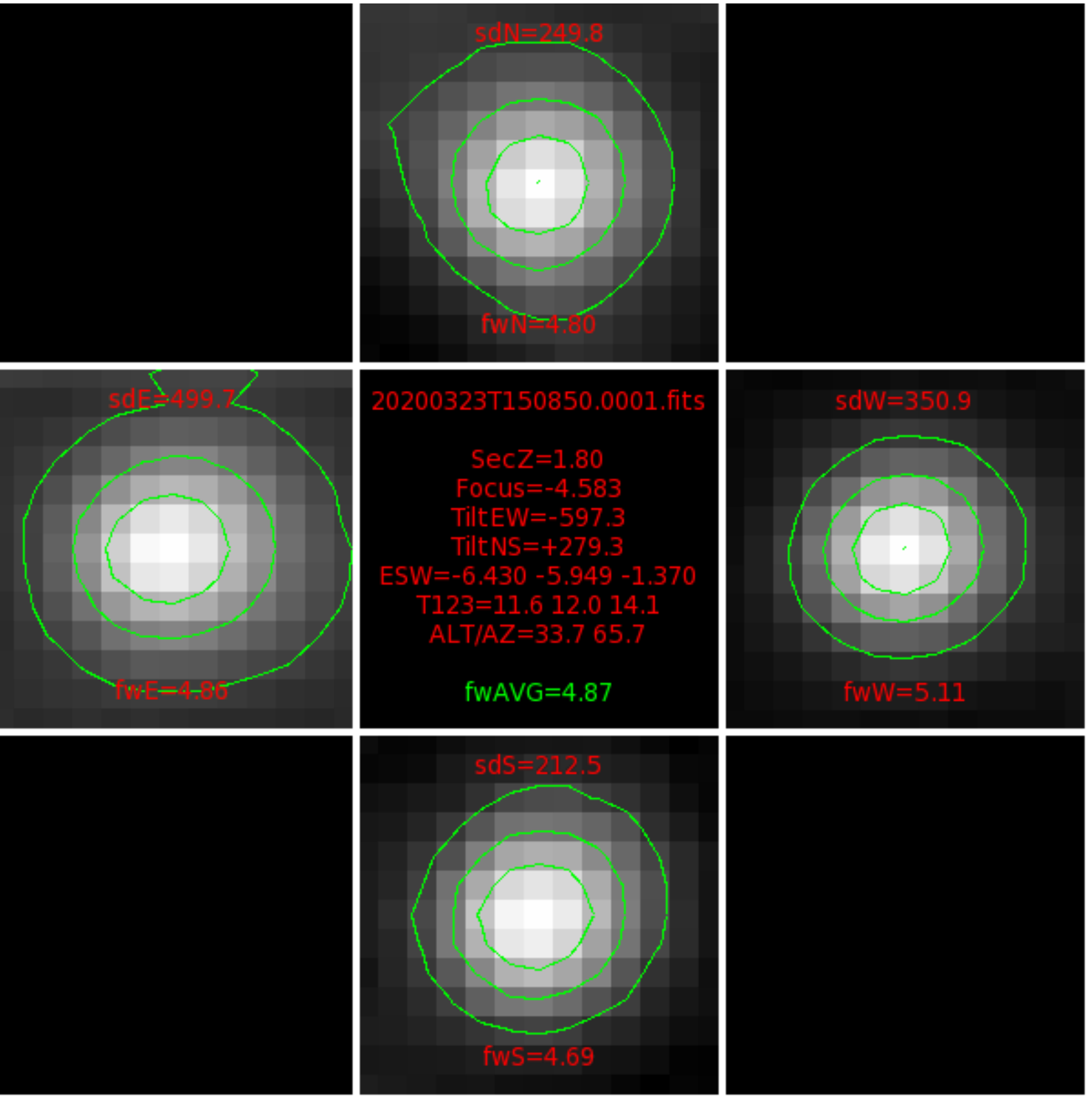
sdN=249.8
fwN=4.80
sdE=499.7
fwE=4.86
20200323T150850.0001.fits
SecZ=1.80
Focus=-4.583
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.430 -5.949 -1.370
T123=11.6 12.0 14.1
ALT/AZ=33.7 65.7
fwAVG=4.87
sdW=350.9
fwW=5.11
sdS=212.5
fwS=4.69
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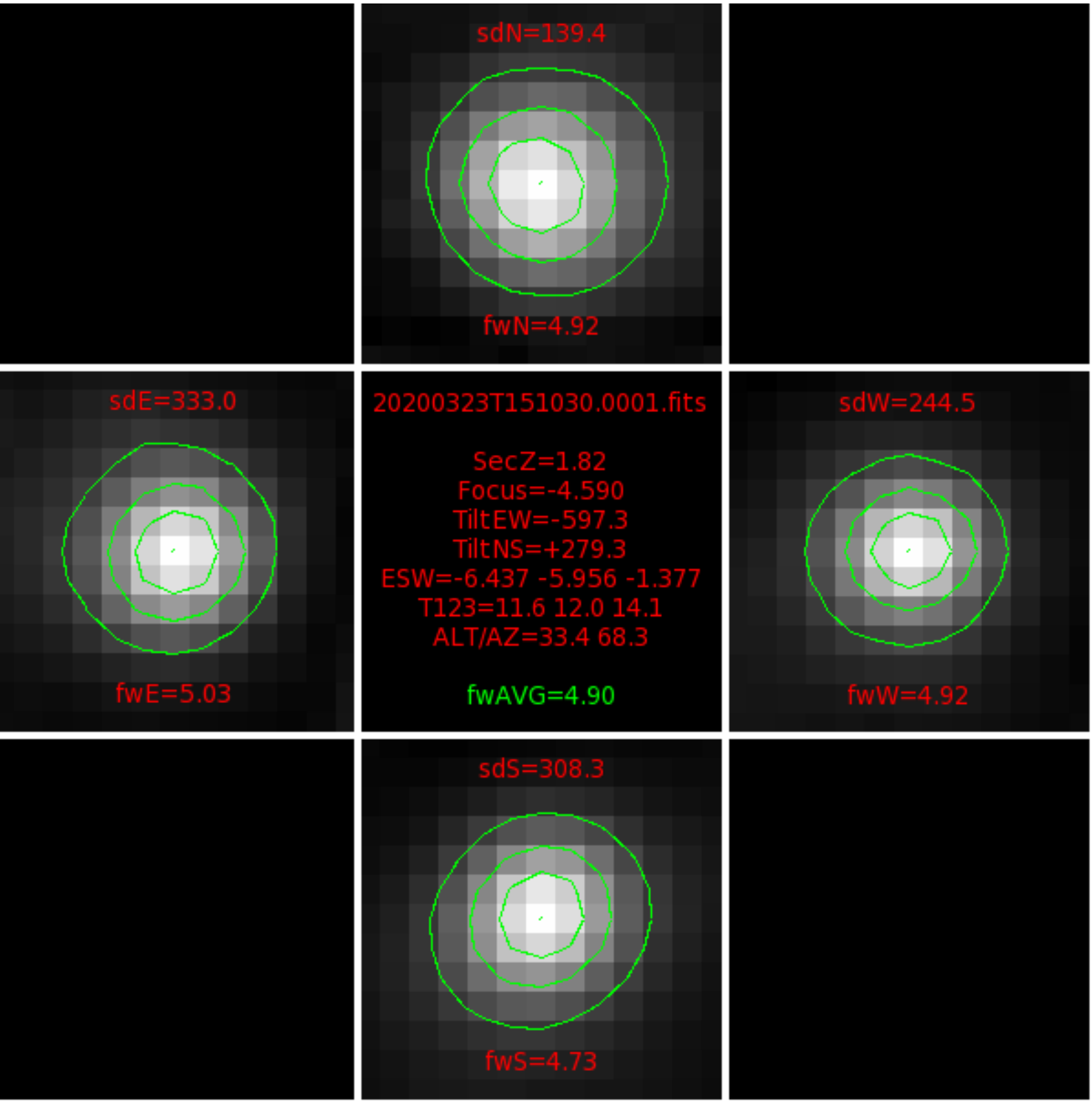
sdN=139.4
fwN=4.92
sdE=333.0
fwE=5.03
20200323T151030.0001.fits
SecZ=1.82
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.6 12.0 14.1
ALT/AZ=33.4 68.3
fwAVG=4.90
sdW=244.5
fwW=4.92
sdS=308.3
fwS=4.73
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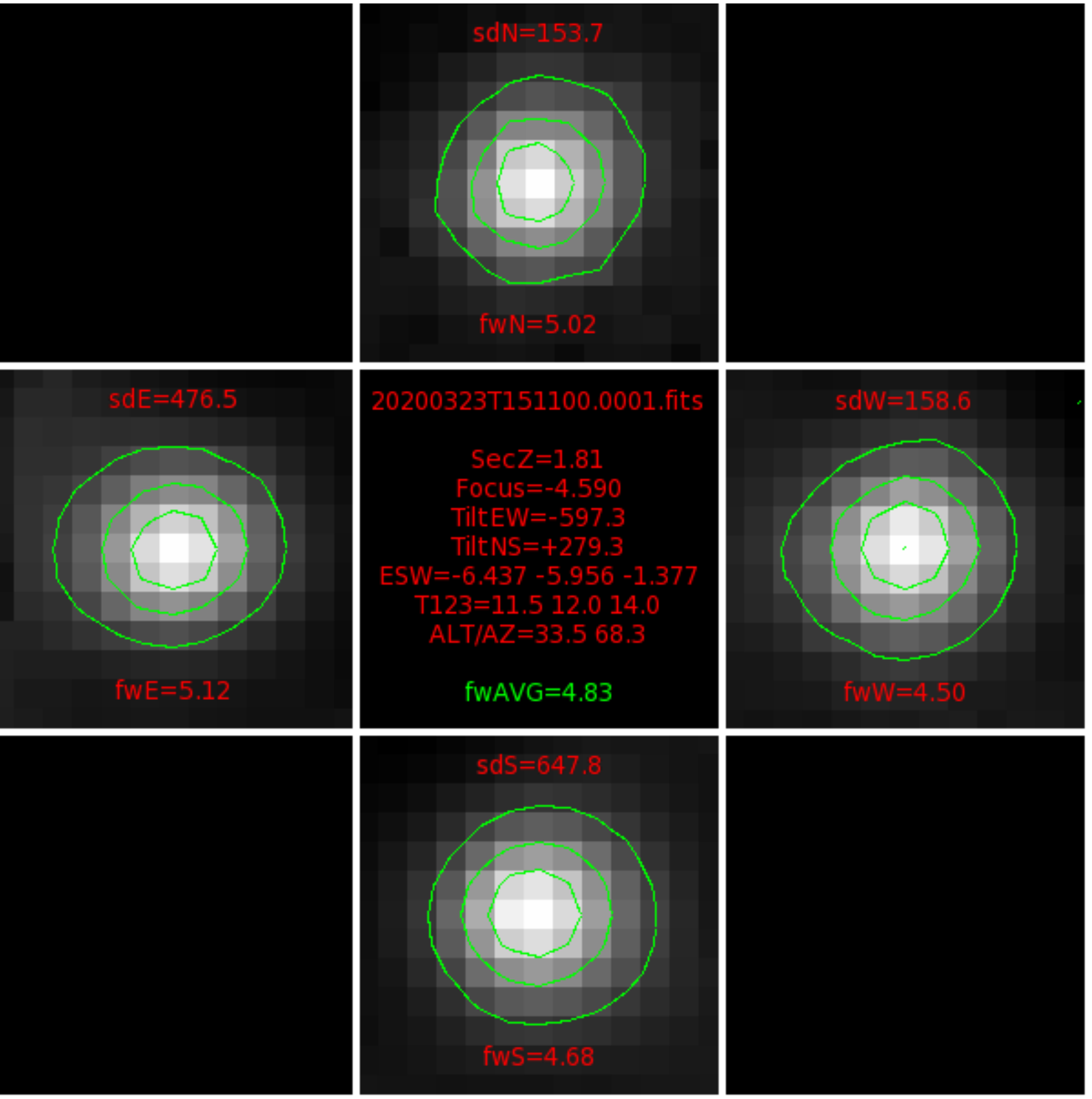
sdN=153.7
fwN=5.02
sdE=476.5
fwE=5.12
20200323T151100.0001.fits
SecZ=1.81
Focus=-4.590
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.437 -5.956 -1.377
T123=11.5 12.0 14.0
ALT/AZ=33.5 68.3
fwAVG=4.83
sdW=158.6
fwW=4.50
sdS=647.8
fwS=4.68
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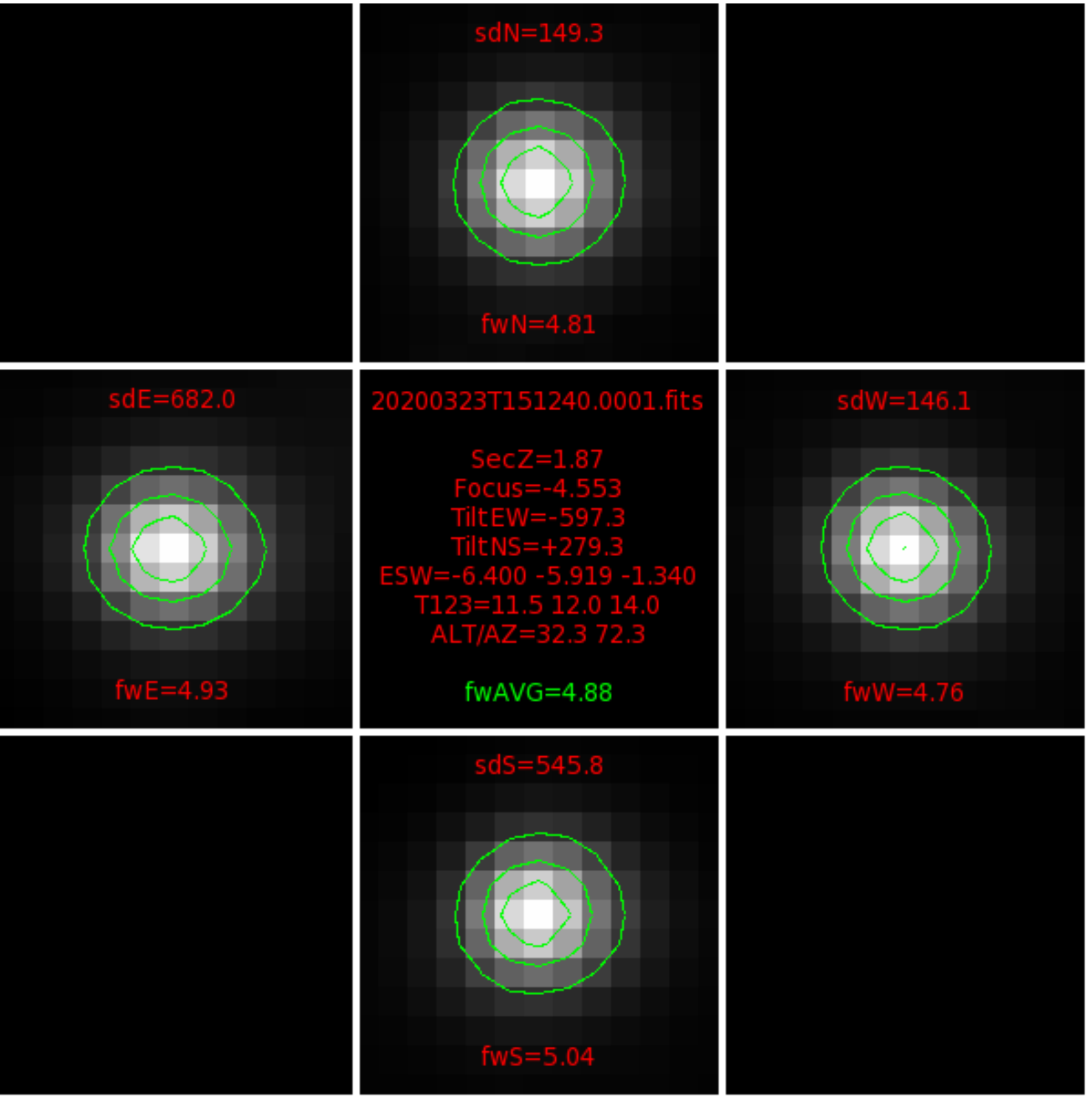
sdN=149.3
fwN=4.81
sdE=682.0
fwE=4.93
20200323T151240.0001.fits
SecZ=1.87
Focus=-4.553
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.400 -5.919 -1.340
T123=11.5 12.0 14.0
ALT/AZ=32.3 72.3
fwAVG=4.88
sdW=146.1
fwW=4.76
sdS=545.8
fwS=5.04
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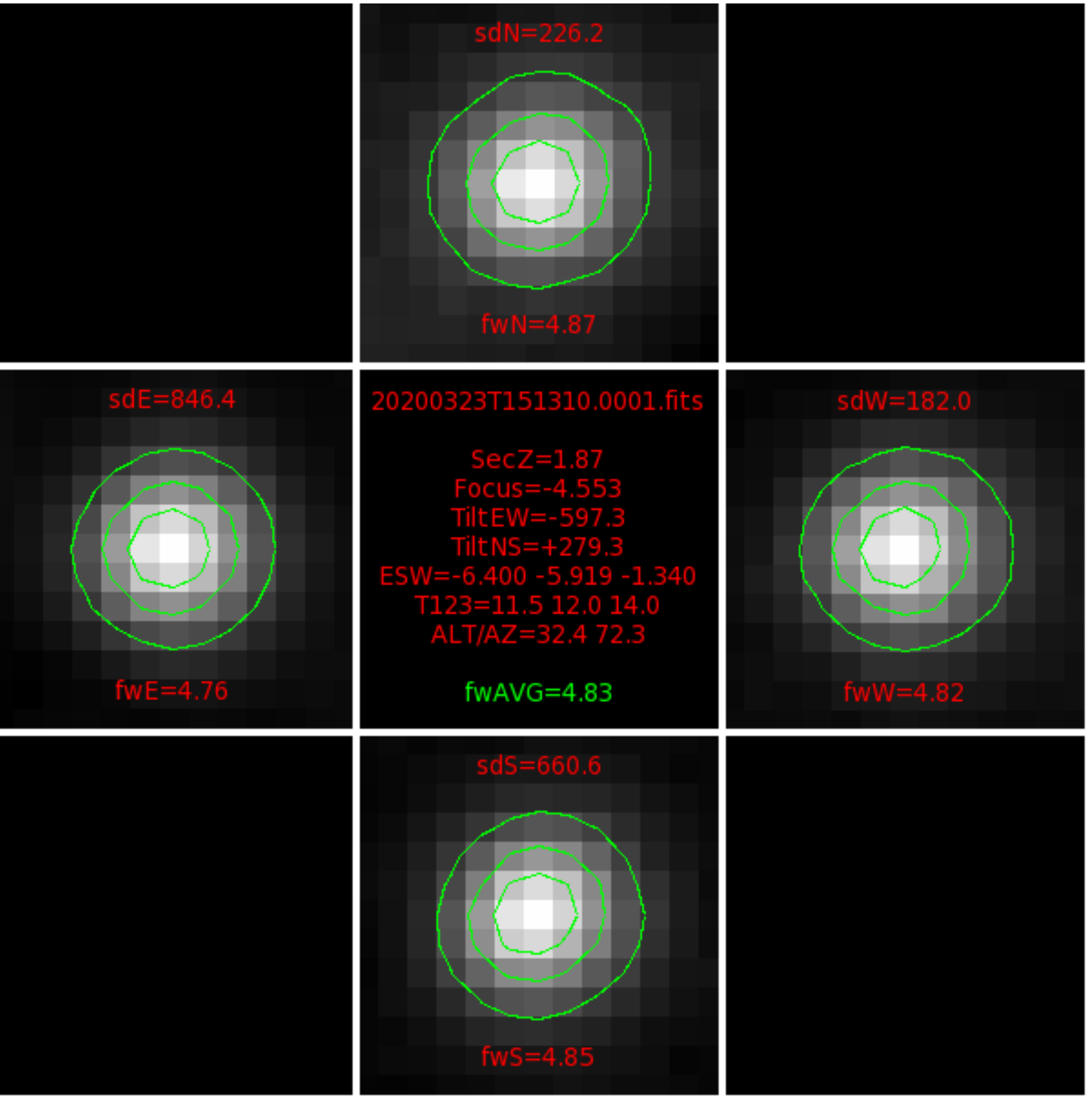
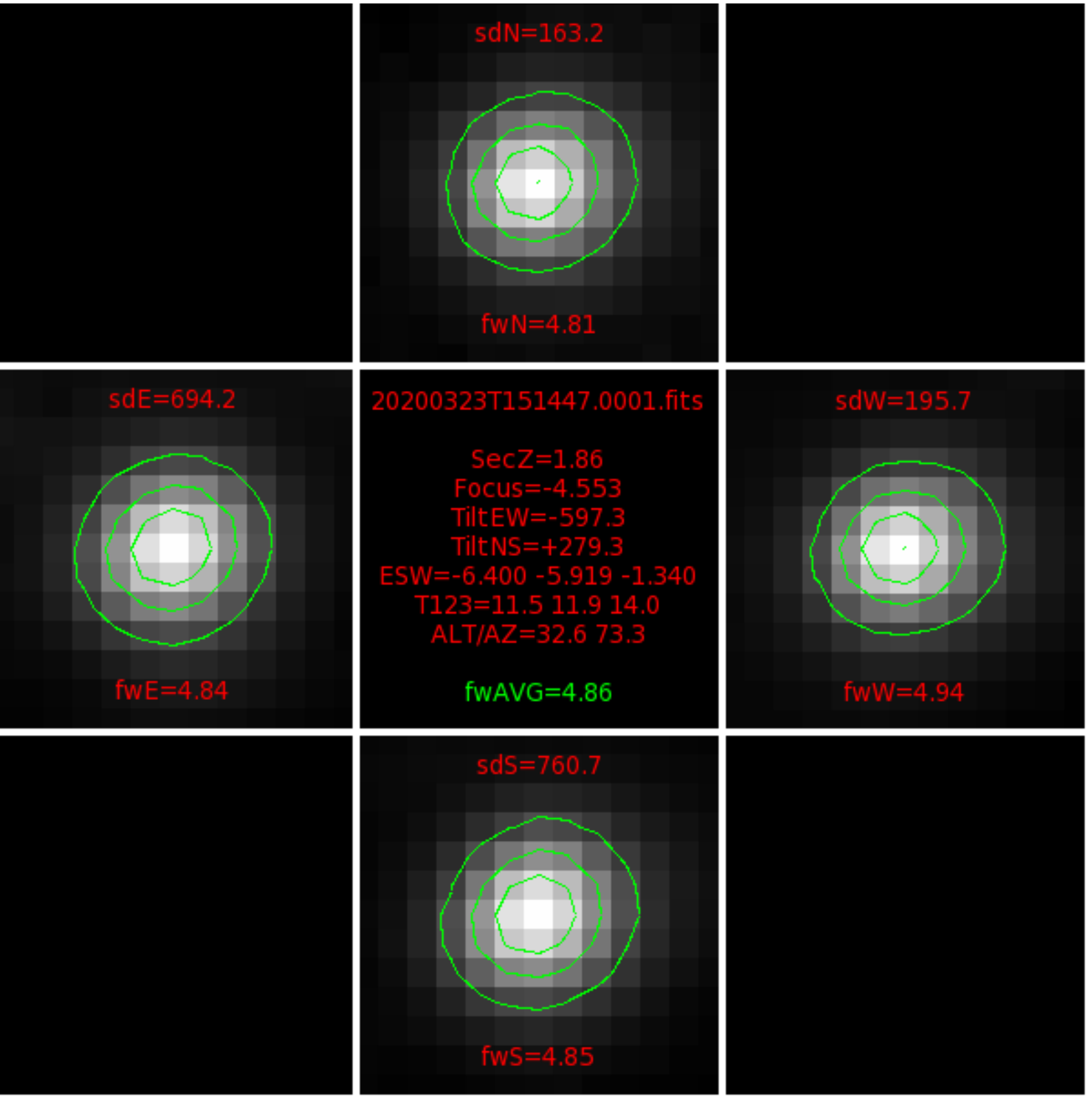

sdN=226.2
fwN=4.87
sdE=846.4
fwE=4.76
20200323T151310.0001.fits
SecZ=1.87
Focus=-4.553
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.400 -5.919 -1.340
T123=11.5 12.0 14.0
ALT/AZ=32.4 72.3
fwAVG=4.83
sdW=182.0
fwW=4.82
sdS=660.6
fwS=4.85
0 0 0 0 0 0 0 0 0


sdN=163.2
fwN=4.81
sdE=694.2
fwE=4.84
20200323T151447.0001.fits
SecZ=1.86
Focus=-4.553
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.400 -5.919 -1.340
T123=11.5 11.9 14.0
ALT/AZ=32.6 73.3
fwAVG=4.86
sdW=195.7
fwW=4.94
sdS=760.7
fwS=4.85
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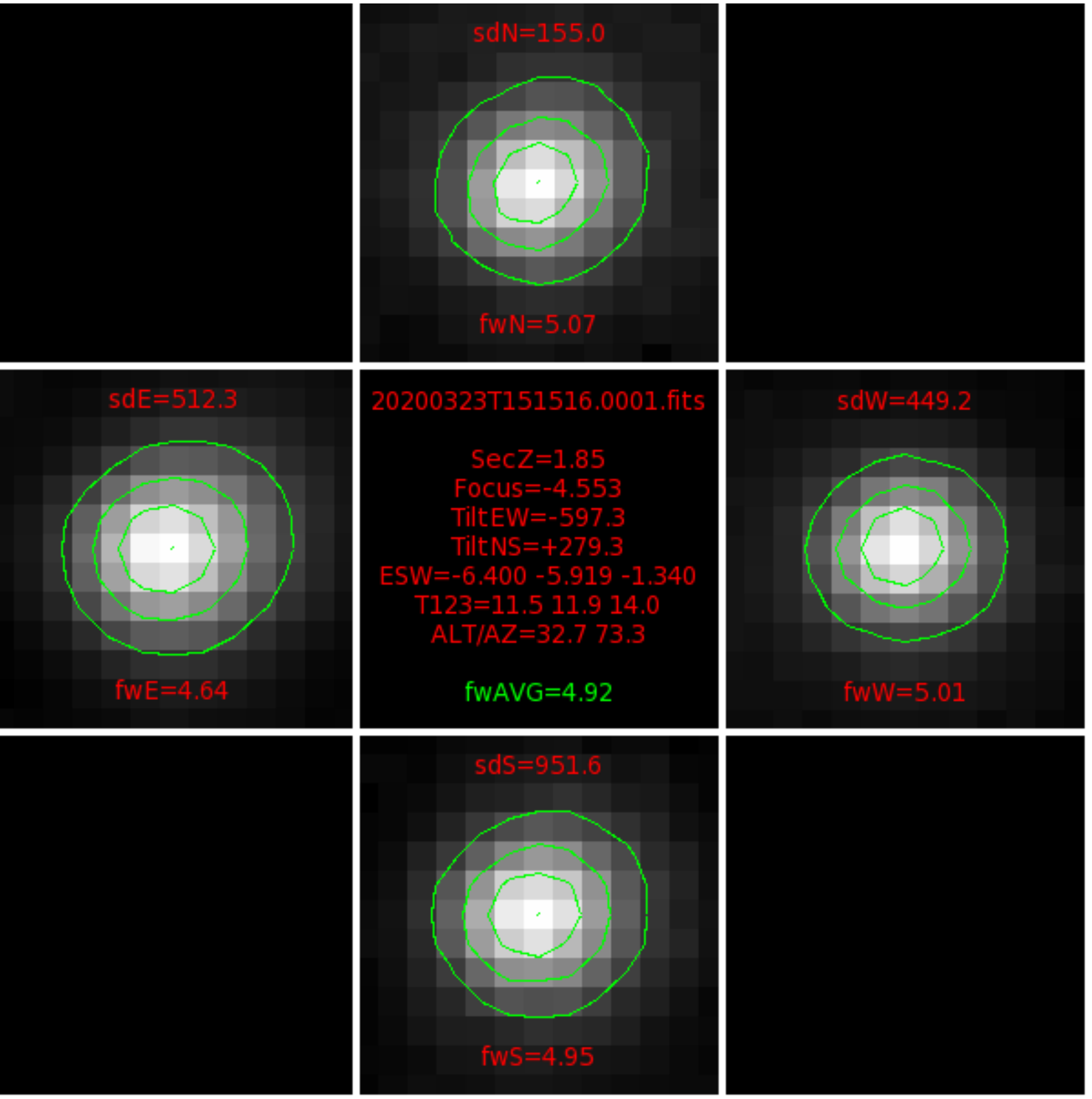
sdN=155.0
fwN=5.07
sdE=512.3
fwE=4.64
20200323T151516.0001.fits
SecZ=1.85
Focus=-4.553
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.400 -5.919 -1.340
T123=11.5 11.9 14.0
ALT/AZ=32.7 73.3
fwAVG=4.92
sdW=449.2
fwW=5.01
sdS=951.6
fwS=4.95
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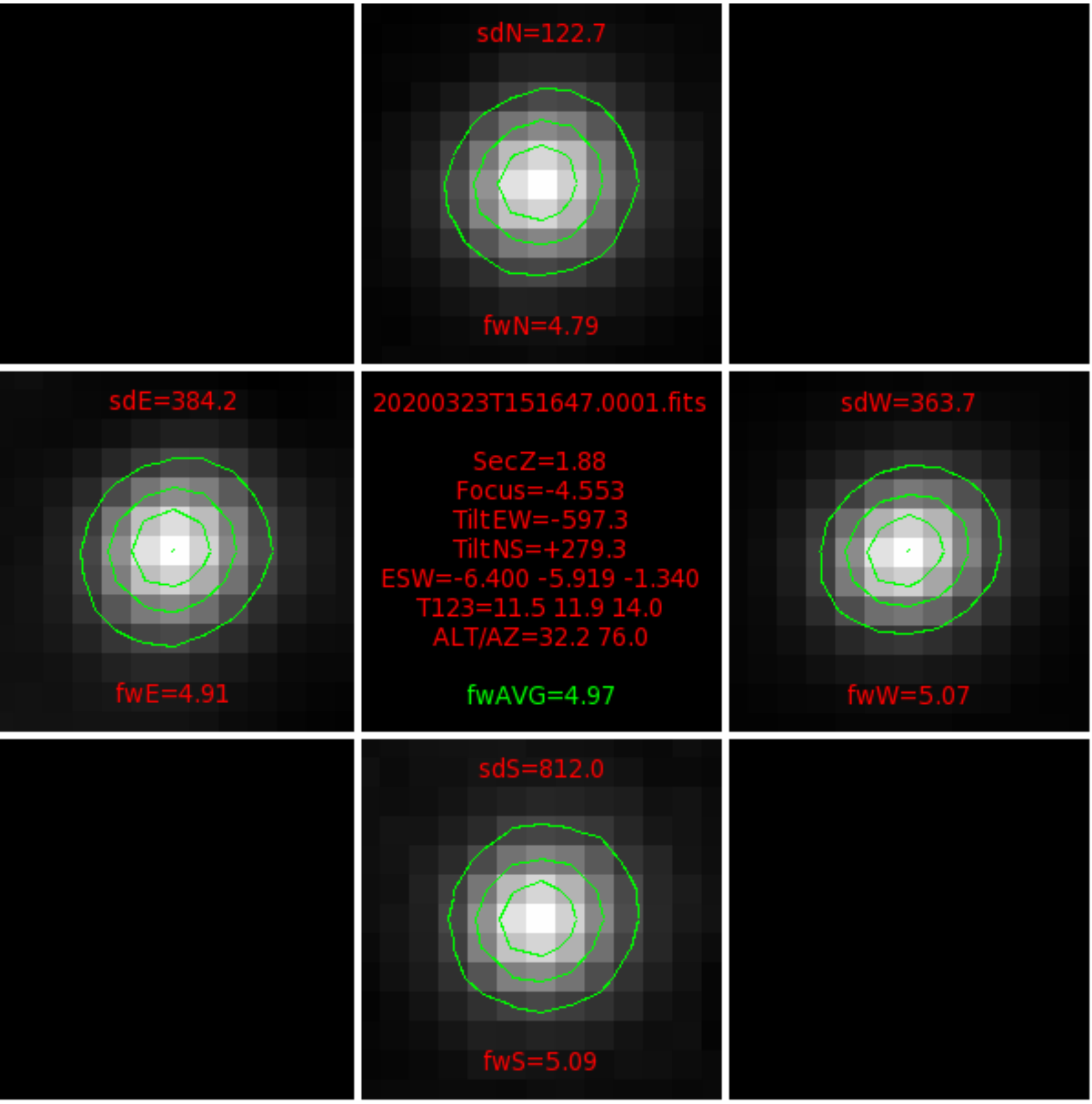
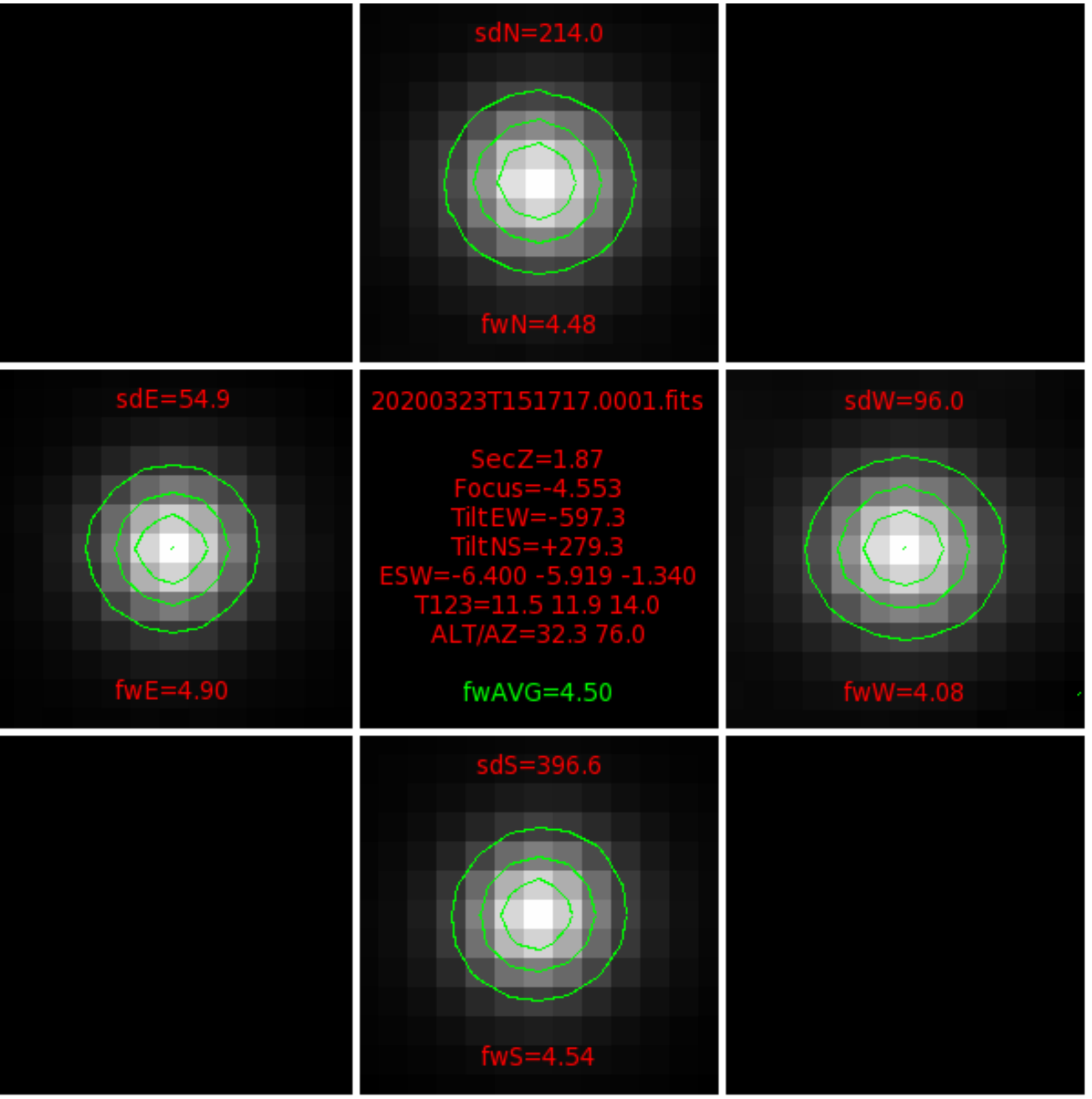

sdN=122.7
fwN=4.79
sdE=384.2
fwE=4.91
20200323T151647.0001.fits
SecZ=1.88
Focus=-4.553
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.400 -5.919 -1.340
T123=11.5 11.9 14.0
ALT/AZ=32.2 76.0
fwAVG=4.97
sdW=363.7
fwW=5.07
sdS=812.0
fwS=5.09
0 0 0 0 0 0 0 0 0


sdN=214.0
fwN=4.48
sdE=54.9
fwE=4.90
20200323T151717.0001.fits
SecZ=1.87
Focus=-4.553
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.400 -5.919 -1.340
T123=11.5 11.9 14.0
ALT/AZ=32.3 76.0
fwAVG=4.50
sdW=96.0
fwW=4.08
sdS=396.6
fwS=4.54
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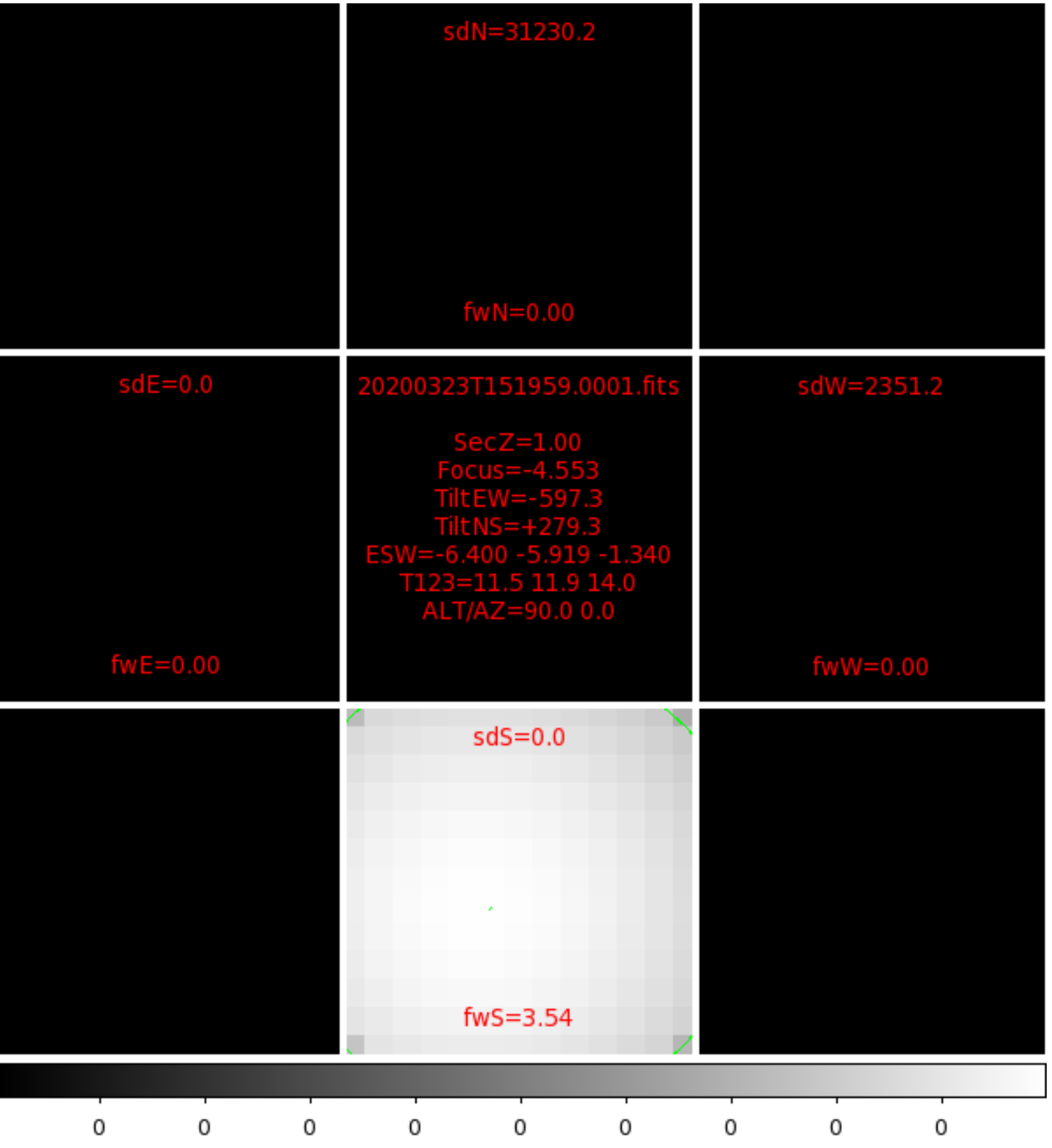
sdN=31230.2
fwN=0.00
sdE=0.0
20200323T151959.0001.fits
SecZ=1.00
Focus=-4.553
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.400 -5.919 -1.340
T123=11.5 11.9 14.0
ALT/AZ=90.0 0.0
sdW=2351.2
fwE=0.00
fwW=0.00
sdS=0.0
fwS=3.54
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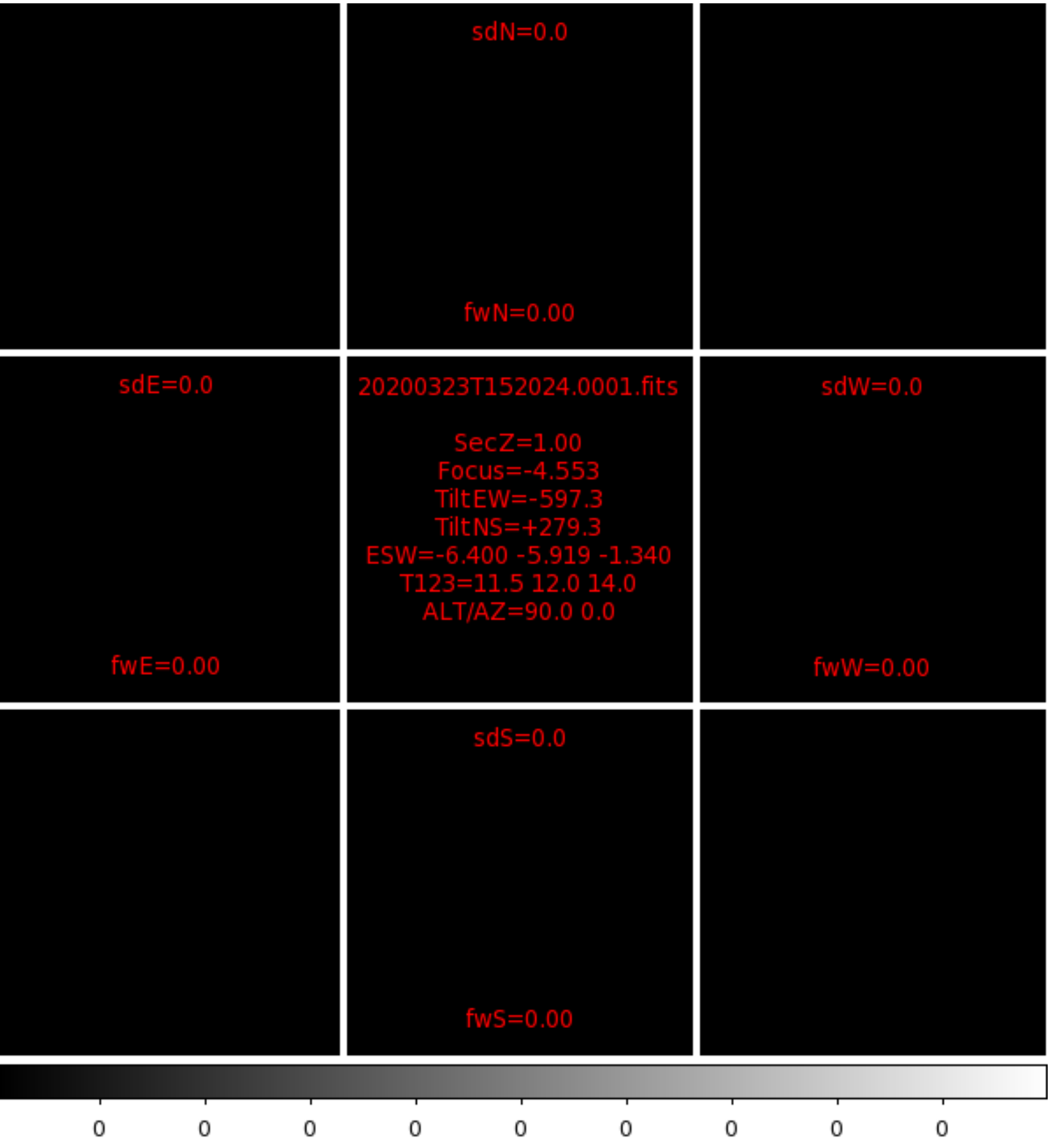
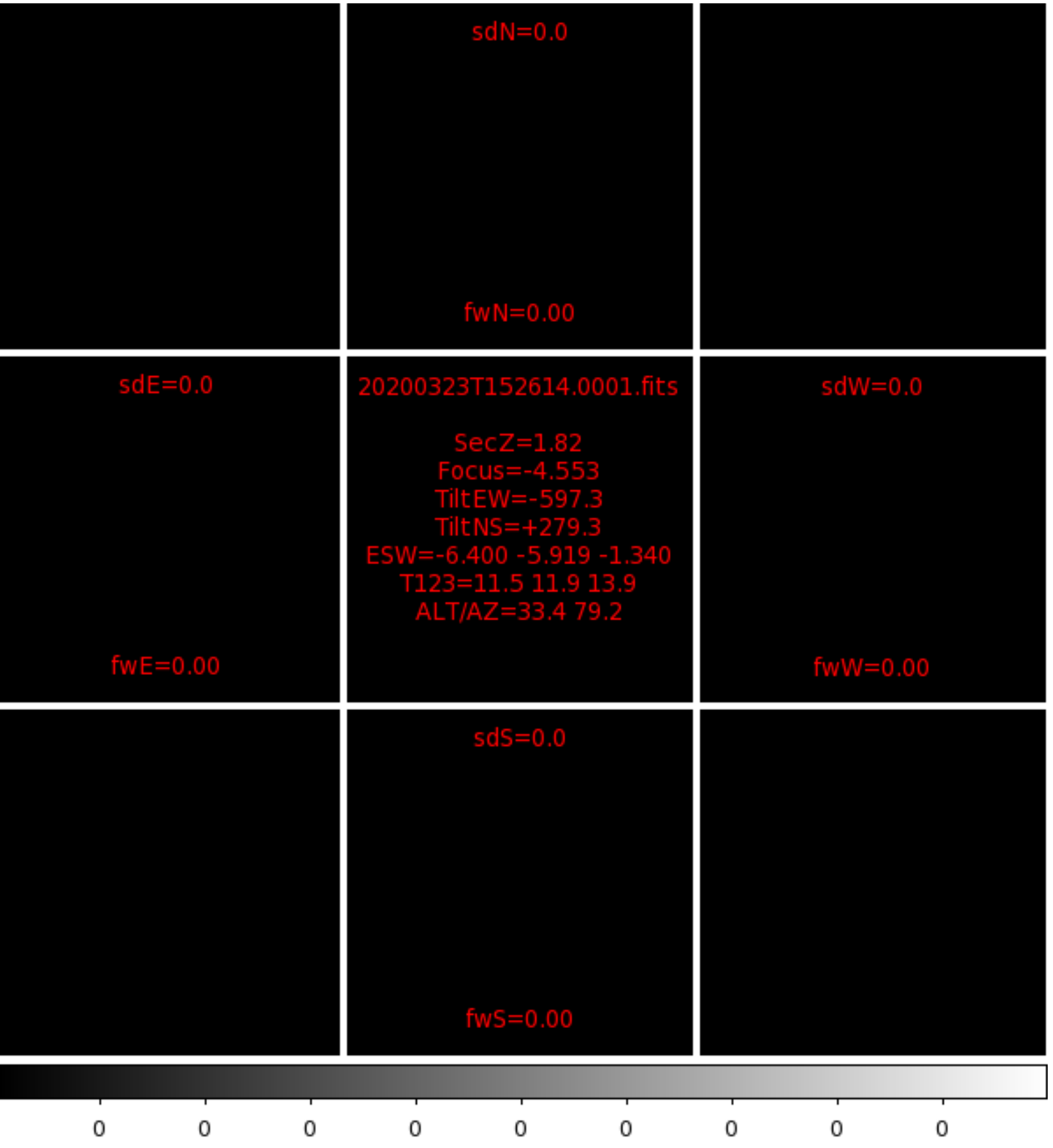
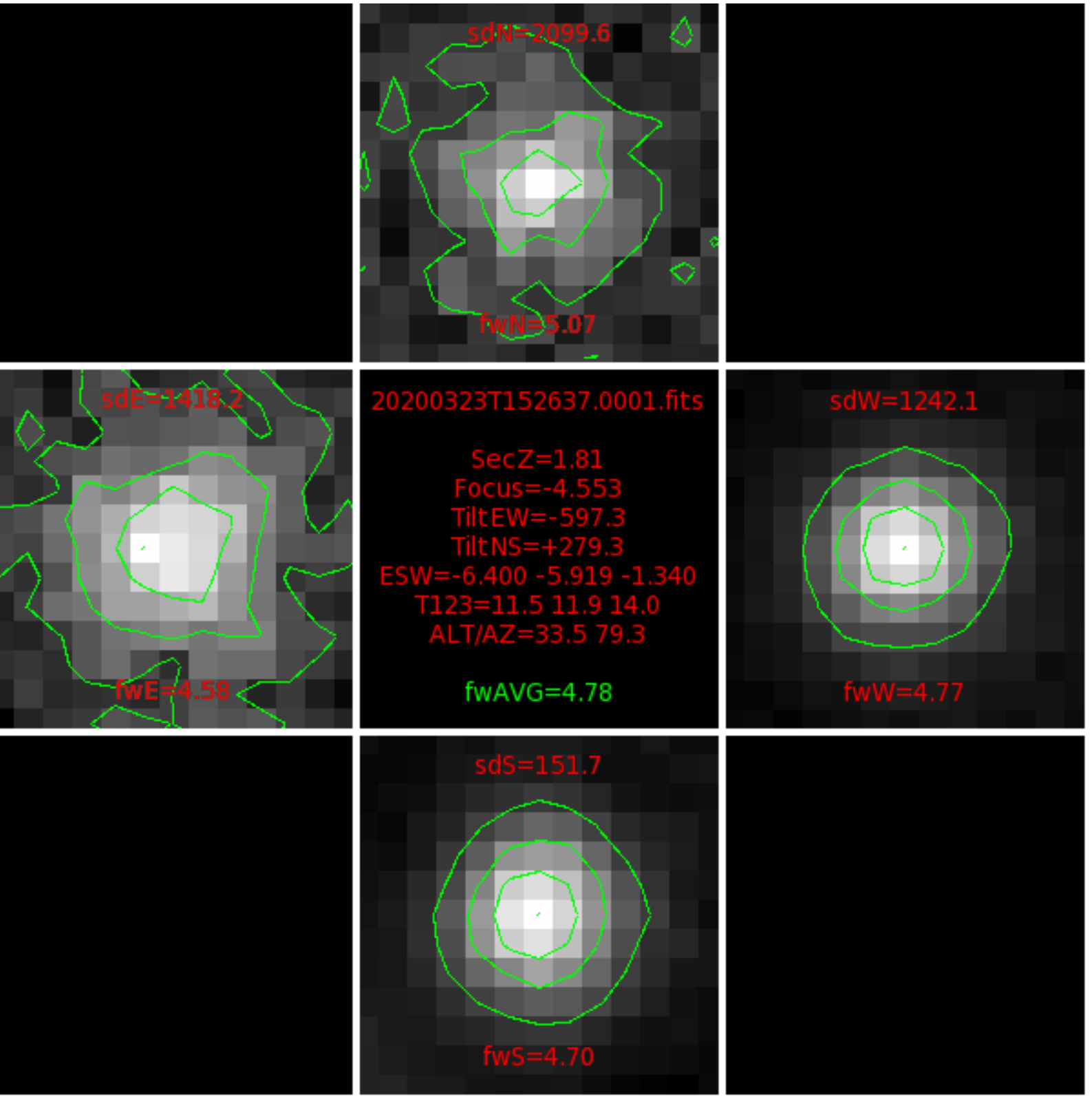

sdN=0.0
fwN=0.00
sdE=0.0
20200323T152024.0001.fits
SecZ=1.00
Focus=-4.553
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.400 -5.919 -1.340
T123=11.5 12.0 14.0
ALT/AZ=90.0 0.0
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=0.0
fwN=0.00
sdE=0.0
20200323T152614.0001.fits
SecZ=1.82
Focus=-4.553
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.400 -5.919 -1.340
T123=11.5 11.9 13.9
ALT/AZ=33.4 79.2
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=2099.6
fwN=5.07
sdE=1418.2
fwE=4.58
20200323T152637.0001.fits
SecZ=1.81
Focus=-4.553
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.400 -5.919 -1.340
T123=11.5 11.9 14.0
ALT/AZ=33.5 79.3
fwAVG=4.78
sdW=1242.1
fwW=4.77
sdS=151.7
fwS=4.70
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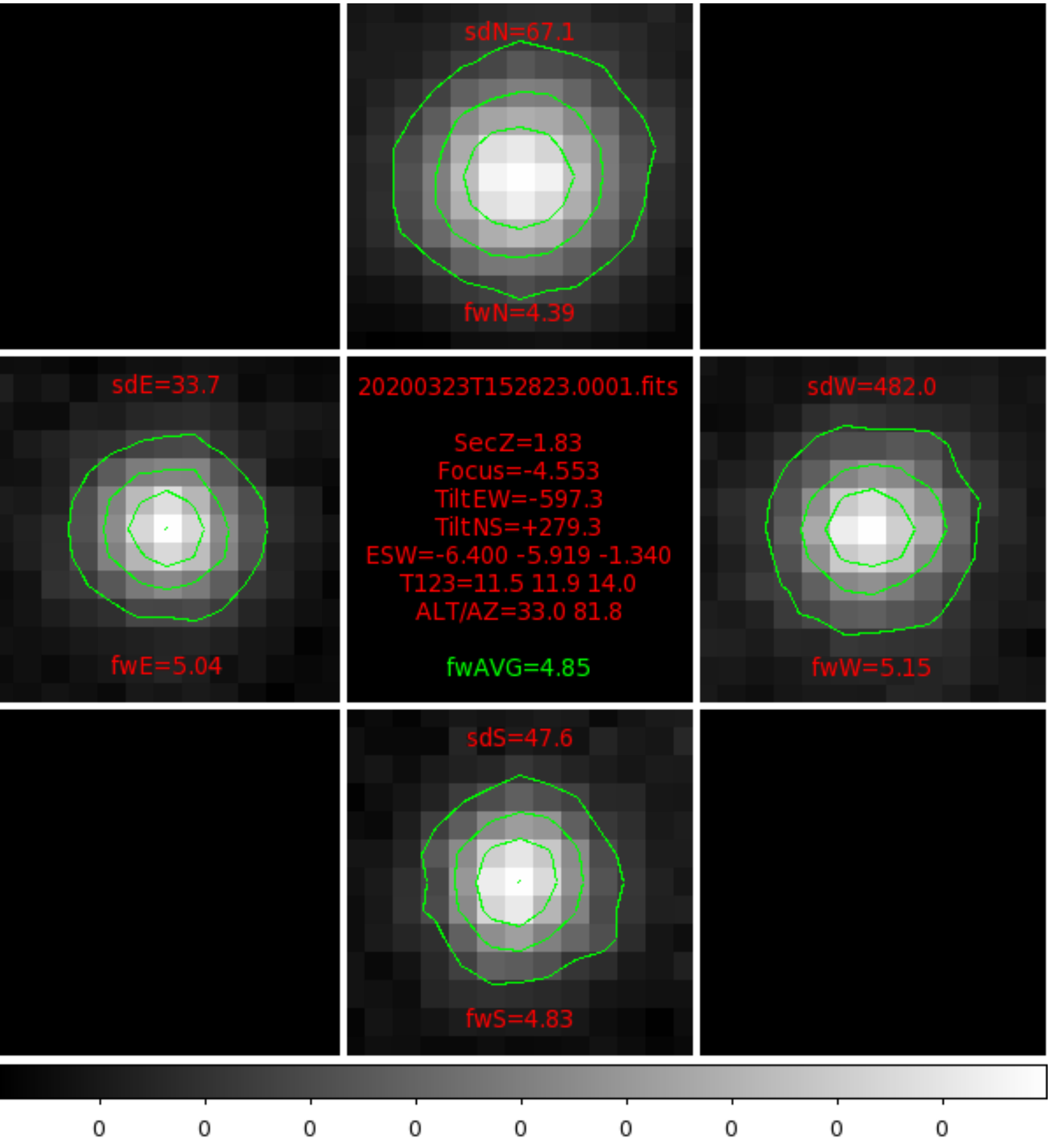
sdN=67.1
fwN=4.39
sdE=33.7
fwE=5.04
20200323T152823.0001.fits
SecZ=1.83
Focus=-4.553
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.400 -5.919 -1.340
T123=11.5 11.9 14.0
ALT/AZ=33.0 81.8
fwAVG=4.85
sdW=482.0
fwW=5.15
sdS=47.6
fwS=4.83
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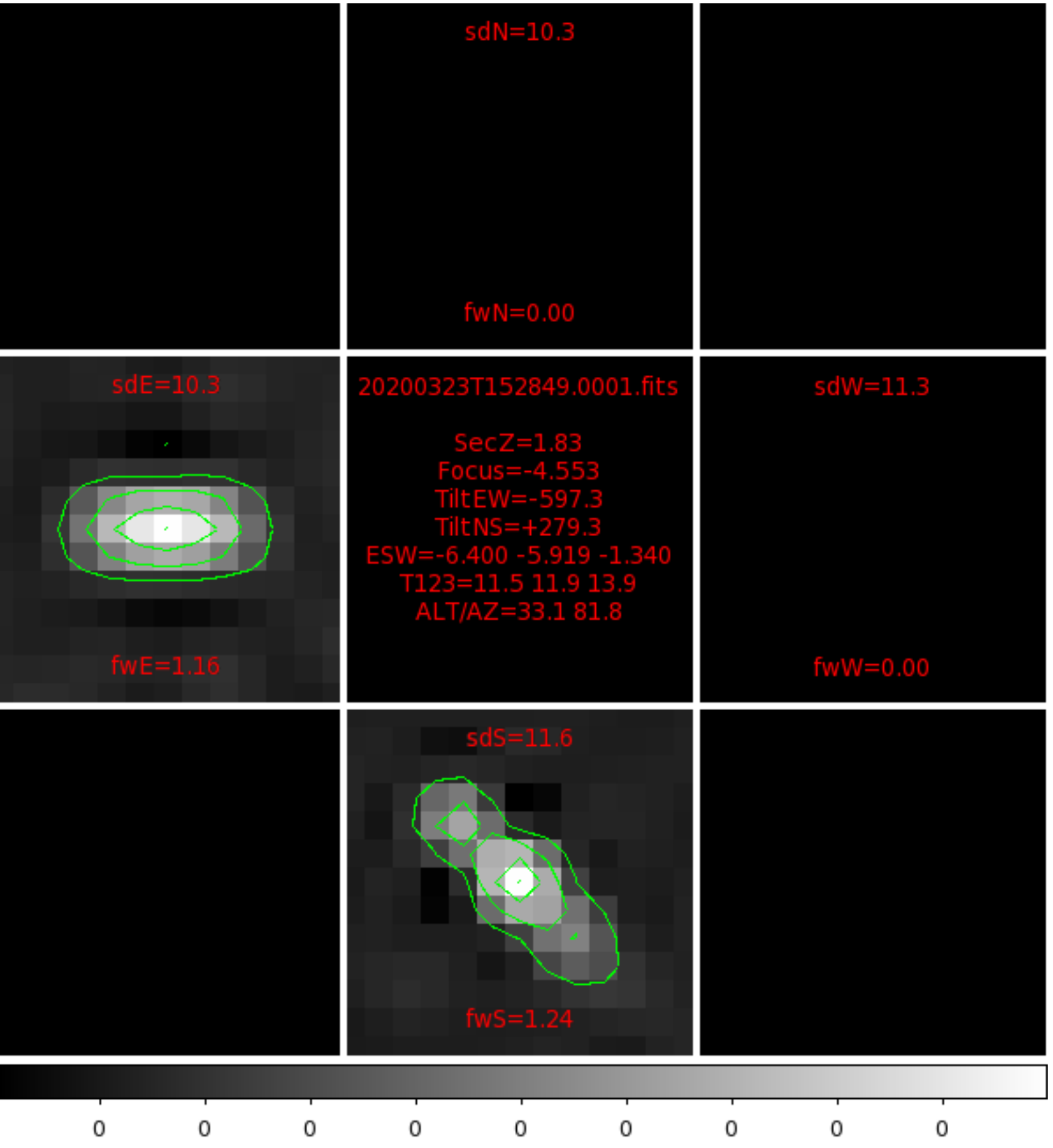
sdN=10.3
fwN=0.00
sdE=10.3
fwE=1.16
20200323T152849.0001.fits
SecZ=1.83
Focus=-4.553
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.400 -5.919 -1.340
T123=11.5 11.9 13.9
ALT/AZ=33.1 81.8
sdW=11.3
fwW=0.00
sdS=11.6
fwS=1.24
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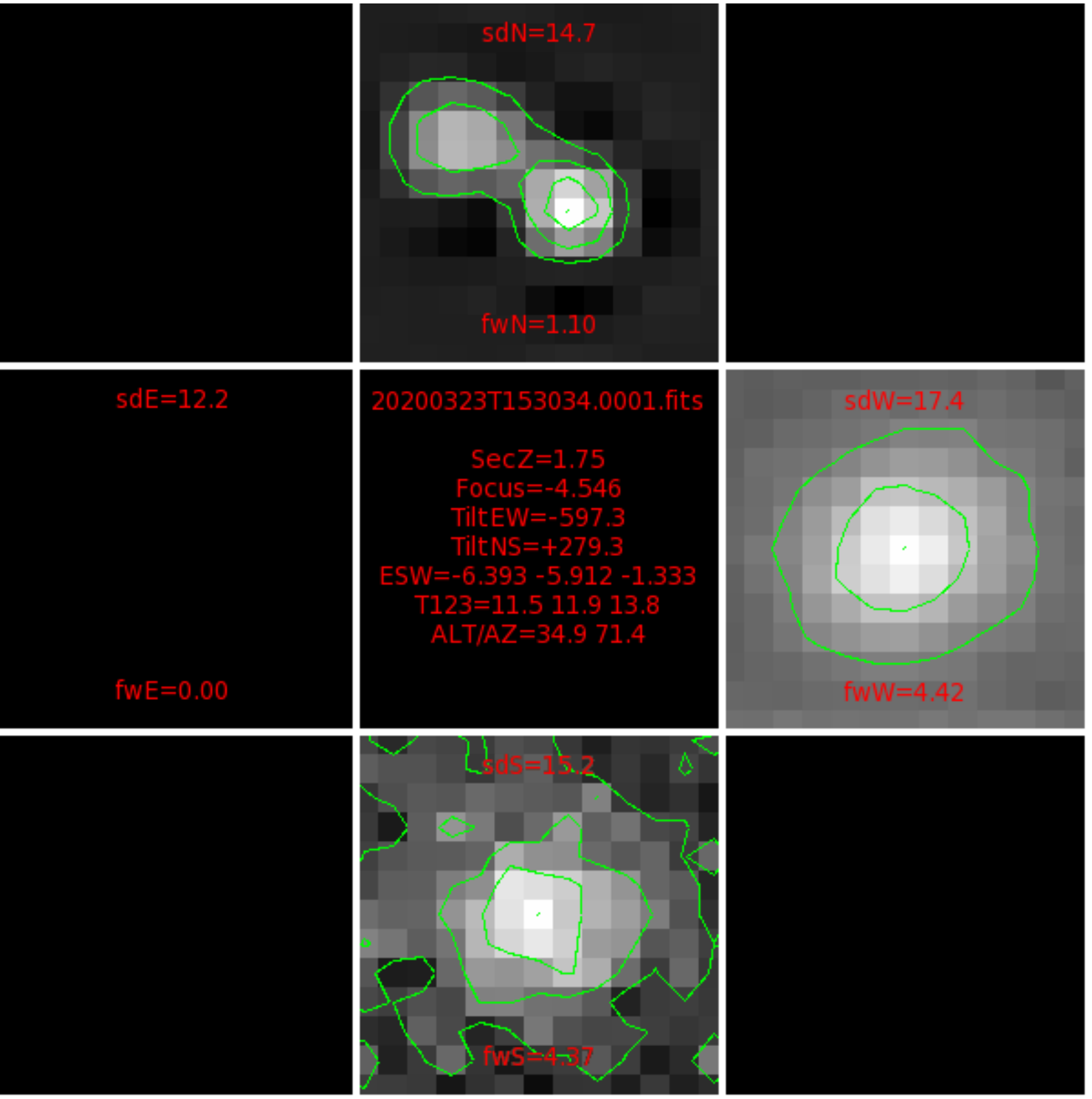
sdN=14.7
fwN=1.10
sdE=12.2
fwE=0.00
20200323T153034.0001.fits
SecZ=1.75
Focus=-4.546
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.393 -5.912 -1.333
T123=11.5 11.9 13.8
ALT/AZ=34.9 71.4
sdW=17.4
fwW=4.42
sdS=15.2
fwS=4.37
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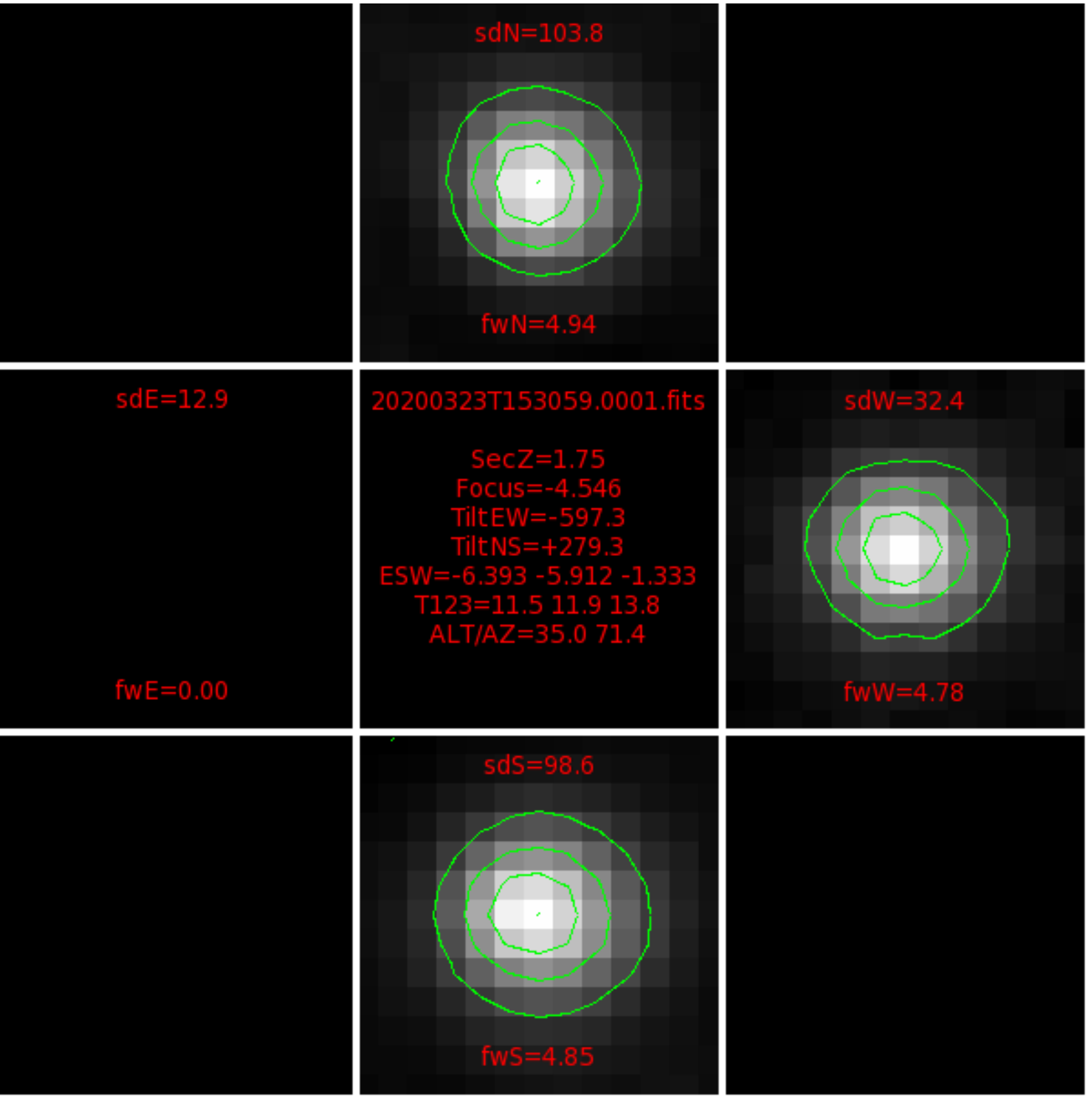
sdN=103.8
fwN=4.94
sdE=12.9
fwE=0.00
20200323T153059.0001.fits
SecZ=1.75
Focus=-4.546
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.393 -5.912 -1.333
T123=11.5 11.9 13.8
ALT/AZ=35.0 71.4
sdW=32.4
fwW=4.78
sdS=98.6
fwS=4.85
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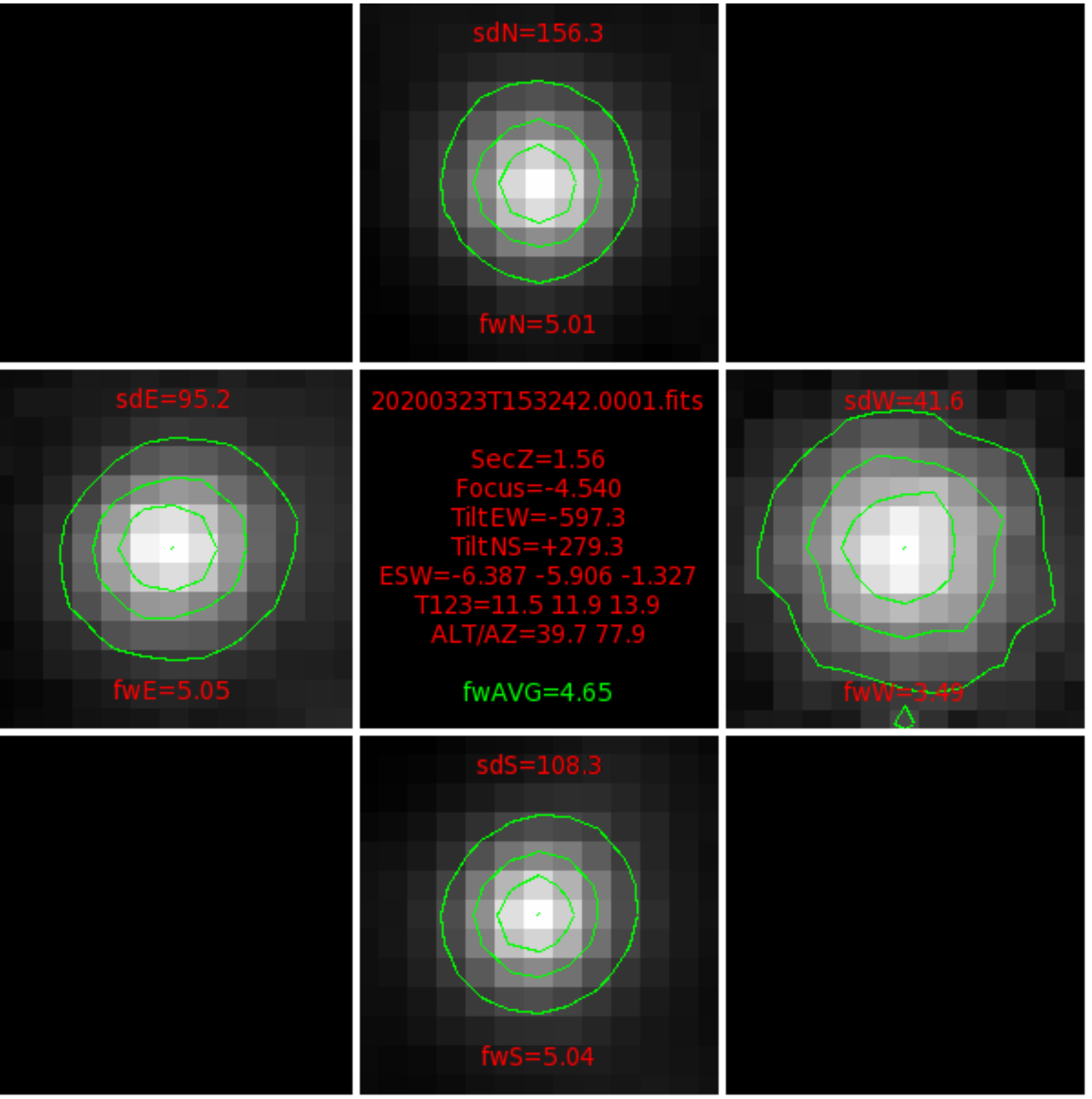
sdN=156.3
fwN=5.01
sdE=95.2
fwE=5.05
20200323T153242.0001.fits
SecZ=1.56
Focus=-4.540
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.387 -5.906 -1.327
T123=11.5 11.9 13.9
ALT/AZ=39.7 77.9
fwAVG=4.65
sdW=41.6
fwW=3.49
sdS=108.3
fwS=5.04
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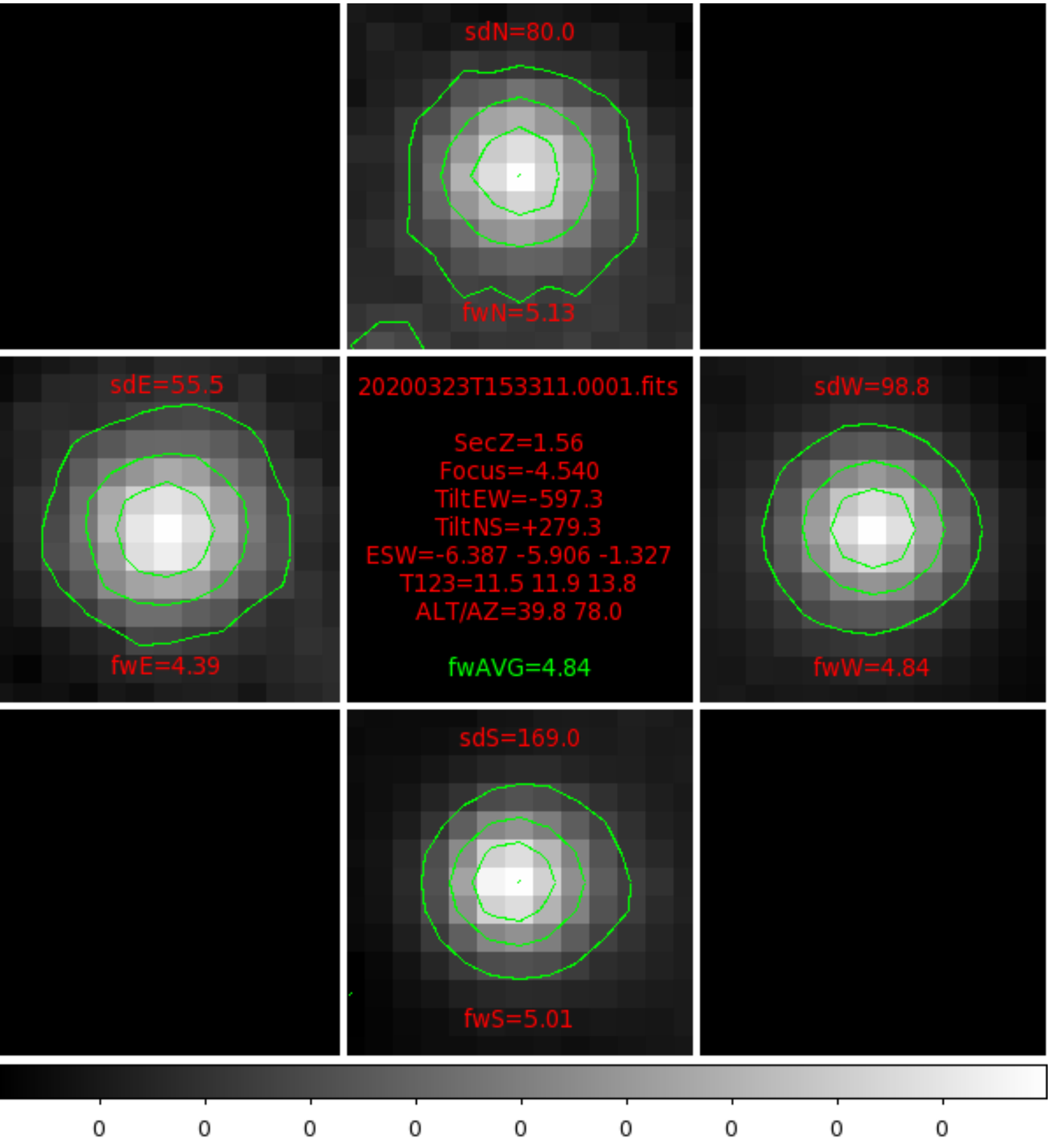
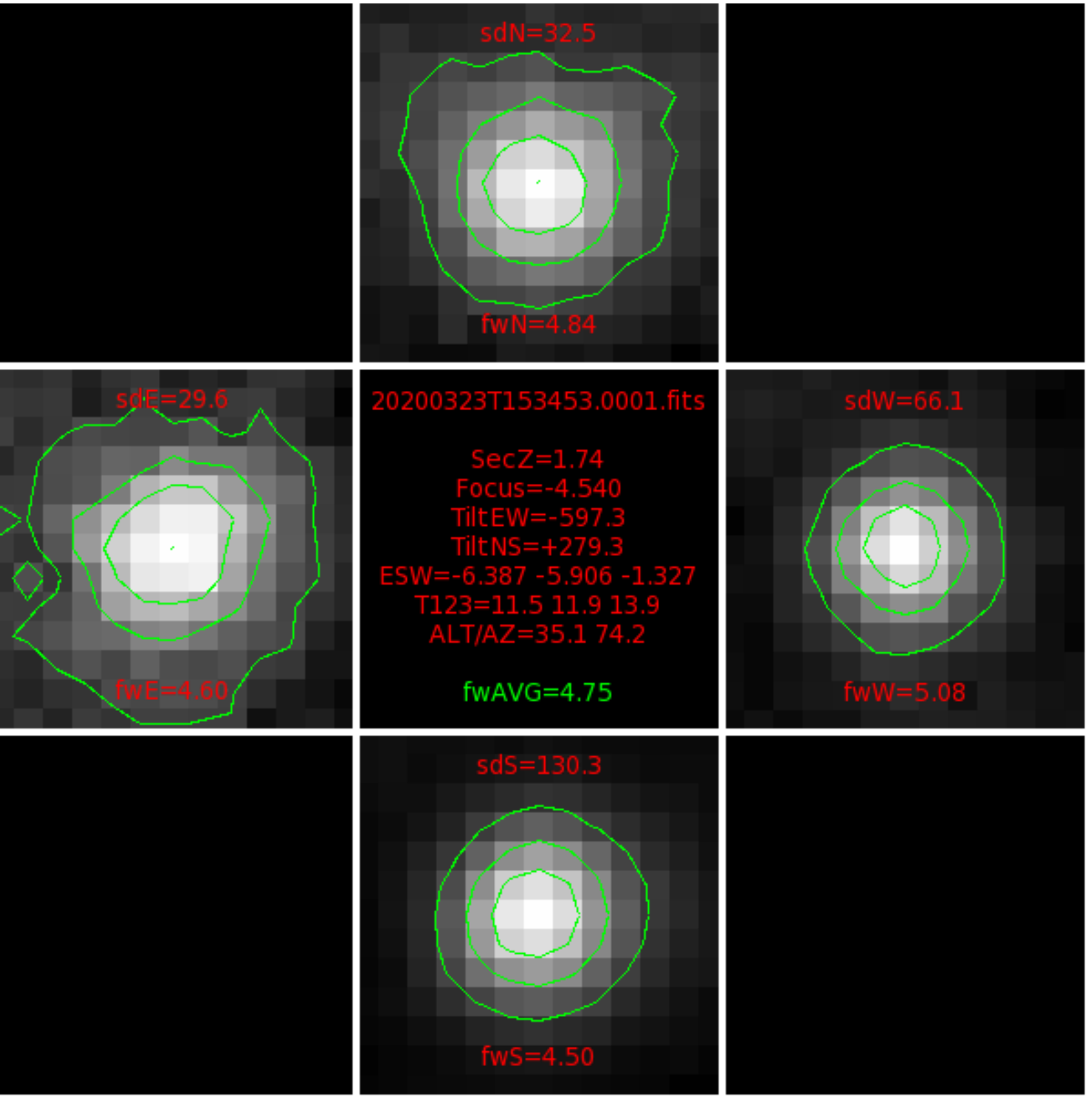

sdN=80.0
fwN=5.13
sdE=55.5
fwE=4.39
20200323T153311.0001.fits
SecZ=1.56
Focus=-4.540
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.387 -5.906 -1.327
T123=11.5 11.9 13.8
ALT/AZ=39.8 78.0
fwAVG=4.84
sdW=98.8
fwW=4.84
sdS=169.0
fwS=5.01
0 0 0 0 0 0 0 0 0


sdN=32.5
fwN=4.84
sdE=29.6
fwE=4.60
20200323T153453.0001.fits
SecZ=1.74
Focus=-4.540
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.387 -5.906 -1.327
T123=11.5 11.9 13.9
ALT/AZ=35.1 74.2
fwAVG=4.75
sdW=66.1
fwW=5.08
sdS=130.3
fwS=4.50
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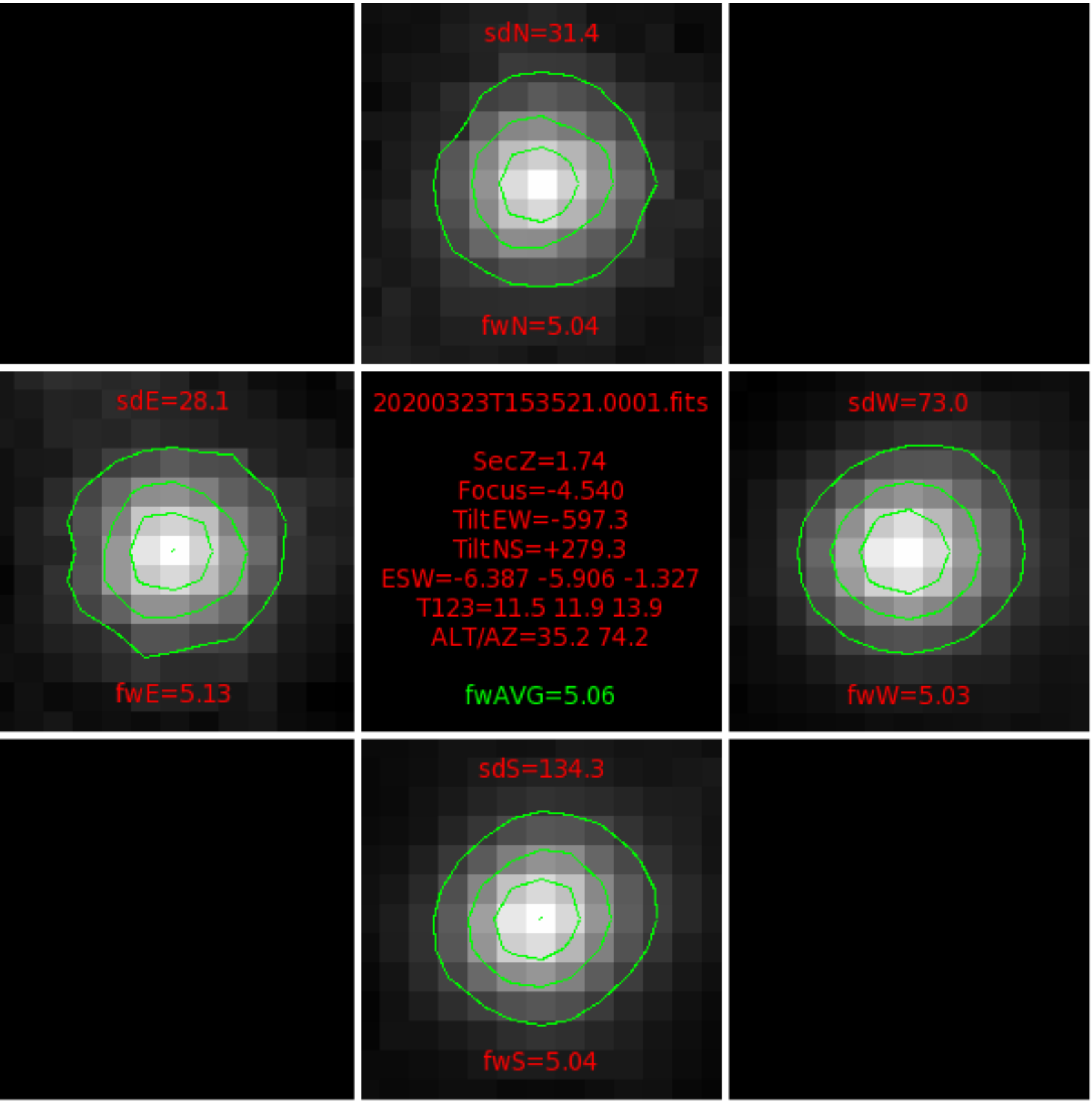
sdN=31.4
fwN=5.04
sdE=28.1
fwE=5.13
20200323T153521.0001.fits
SecZ=1.74
Focus=-4.540
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.387 -5.906 -1.327
T123=11.5 11.9 13.9
ALT/AZ=35.2 74.2
fwAVG=5.06
sdW=73.0
fwW=5.03
sdS=134.3
fwS=5.04
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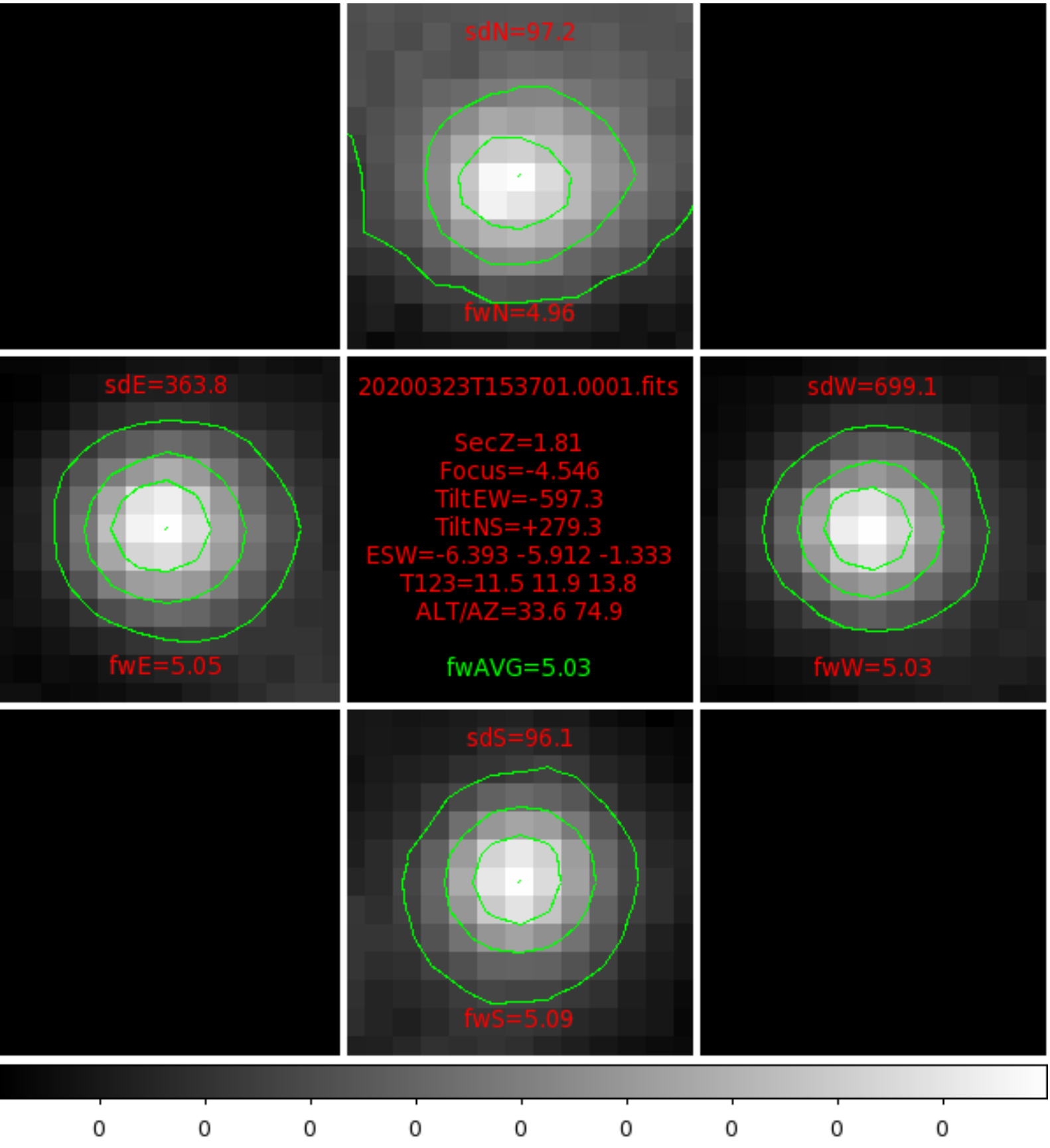
sdN=97.2
fwN=4.96
sdE=363.8
fwE=5.05
20200323T153701.0001.fits
SecZ=1.81
Focus=-4.546
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.393 -5.912 -1.333
T123=11.5 11.9 13.8
ALT/AZ=33.6 74.9
fwAVG=5.03
sdW=699.1
fwW=5.03
sdS=96.1
fwS=5.09
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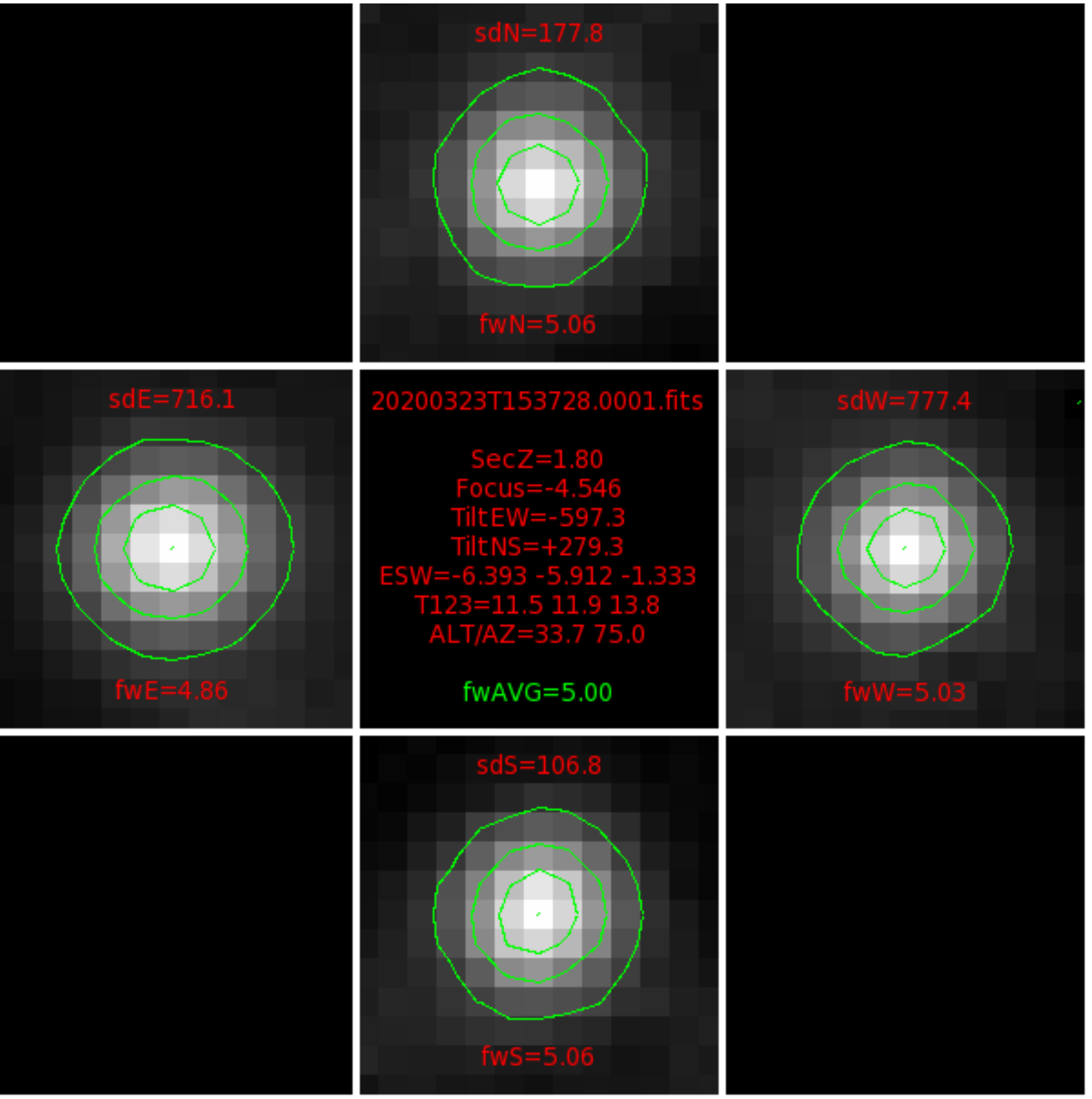
sdN=177.8
fwN=5.06
sdE=716.1
fwE=4.86
20200323T153728.0001.fits
SecZ=1.80
Focus=-4.546
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.393 -5.912 -1.333
T123=11.5 11.9 13.8
ALT/AZ=33.7 75.0
fwAVG=5.00
sdW=777.4
fwW=5.03
sdS=106.8
fwS=5.06
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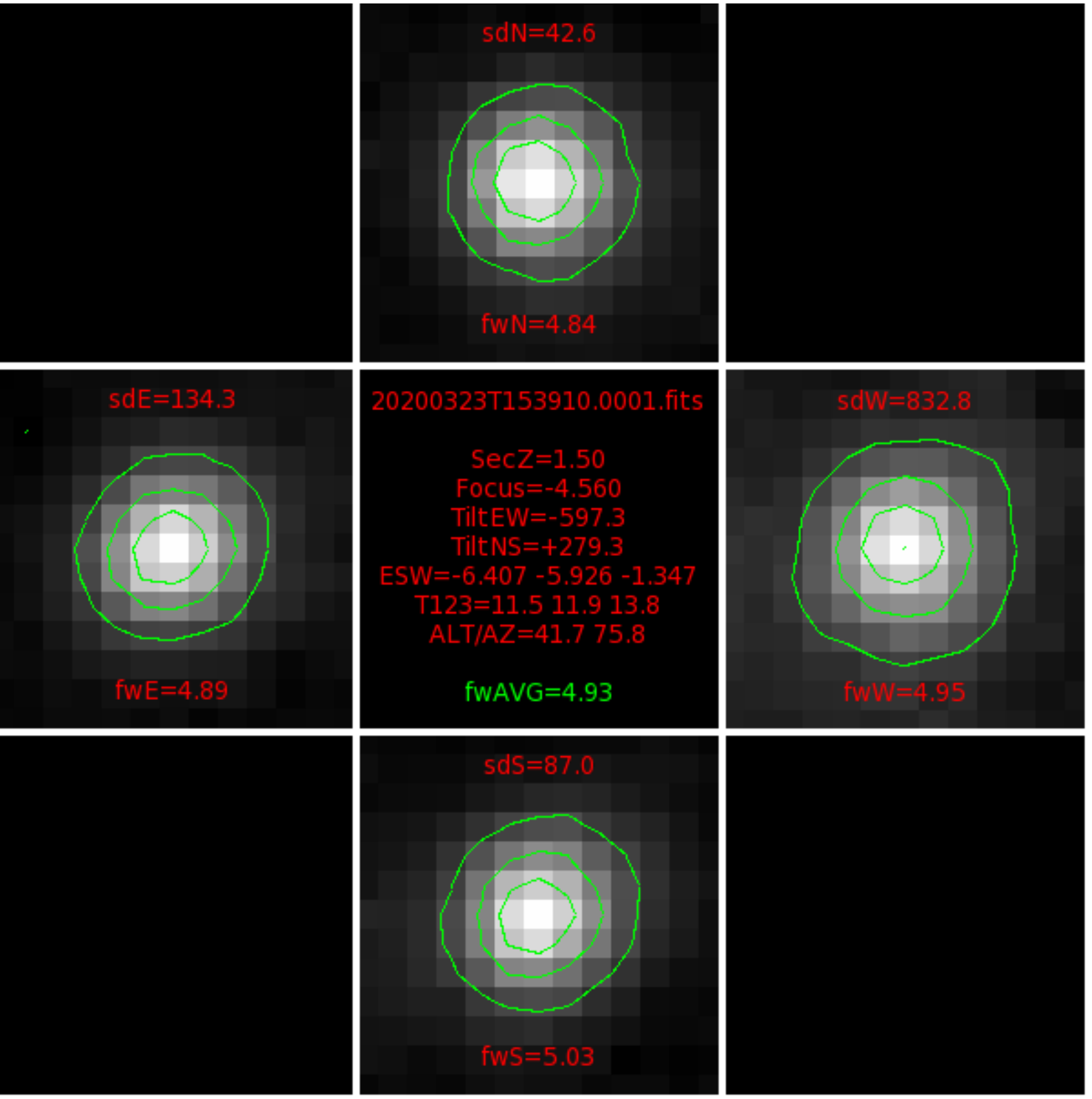
sdN=42.6
fwN=4.84
sdE=134.3
fwE=4.89
20200323T153910.0001.fits
SecZ=1.50
Focus=-4.560
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.407 -5.926 -1.347
T123=11.5 11.9 13.8
ALT/AZ=41.7 75.8
fwAVG=4.93
sdW=832.8
fwW=4.95
sdS=87.0
fwS=5.03
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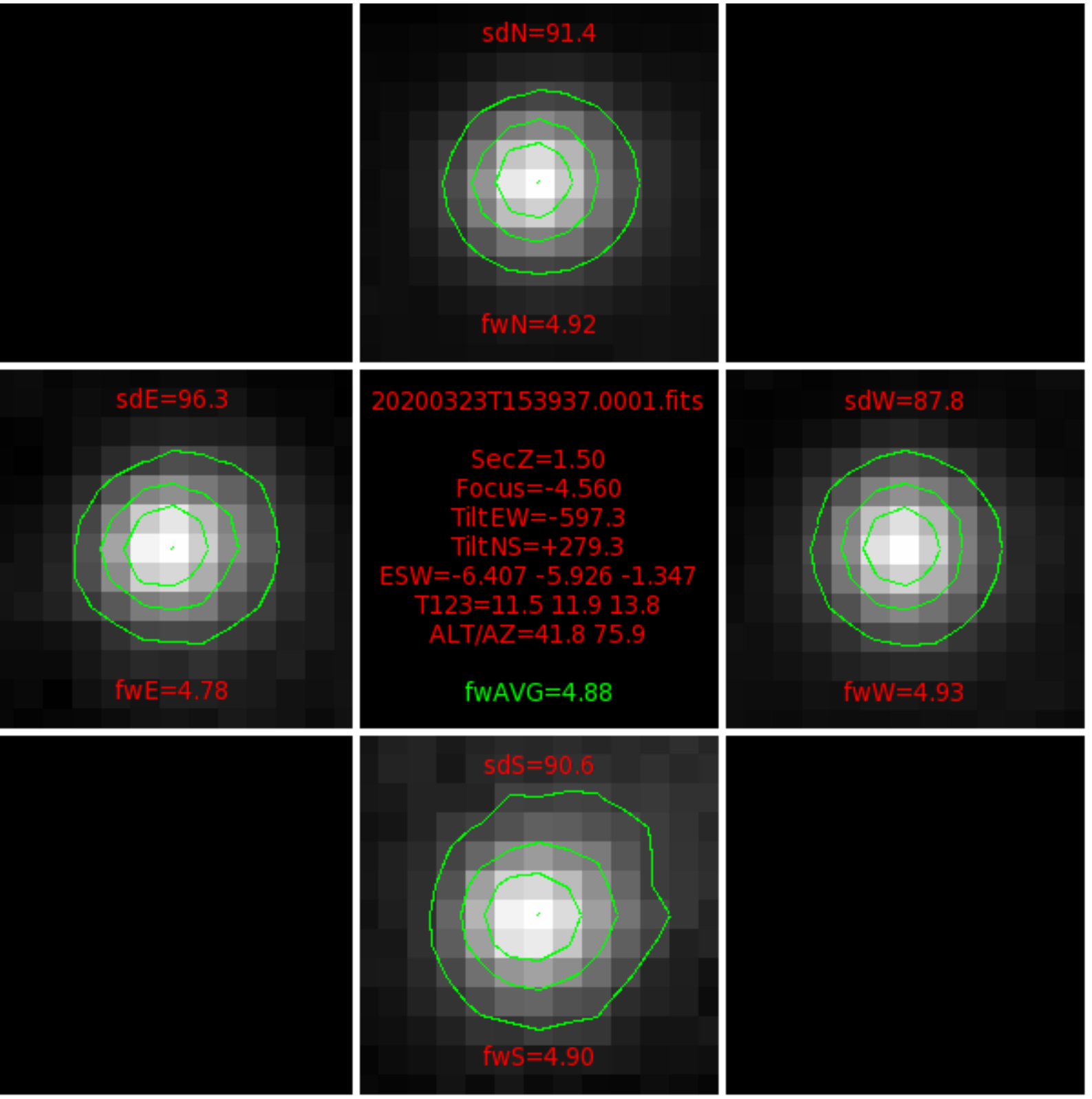
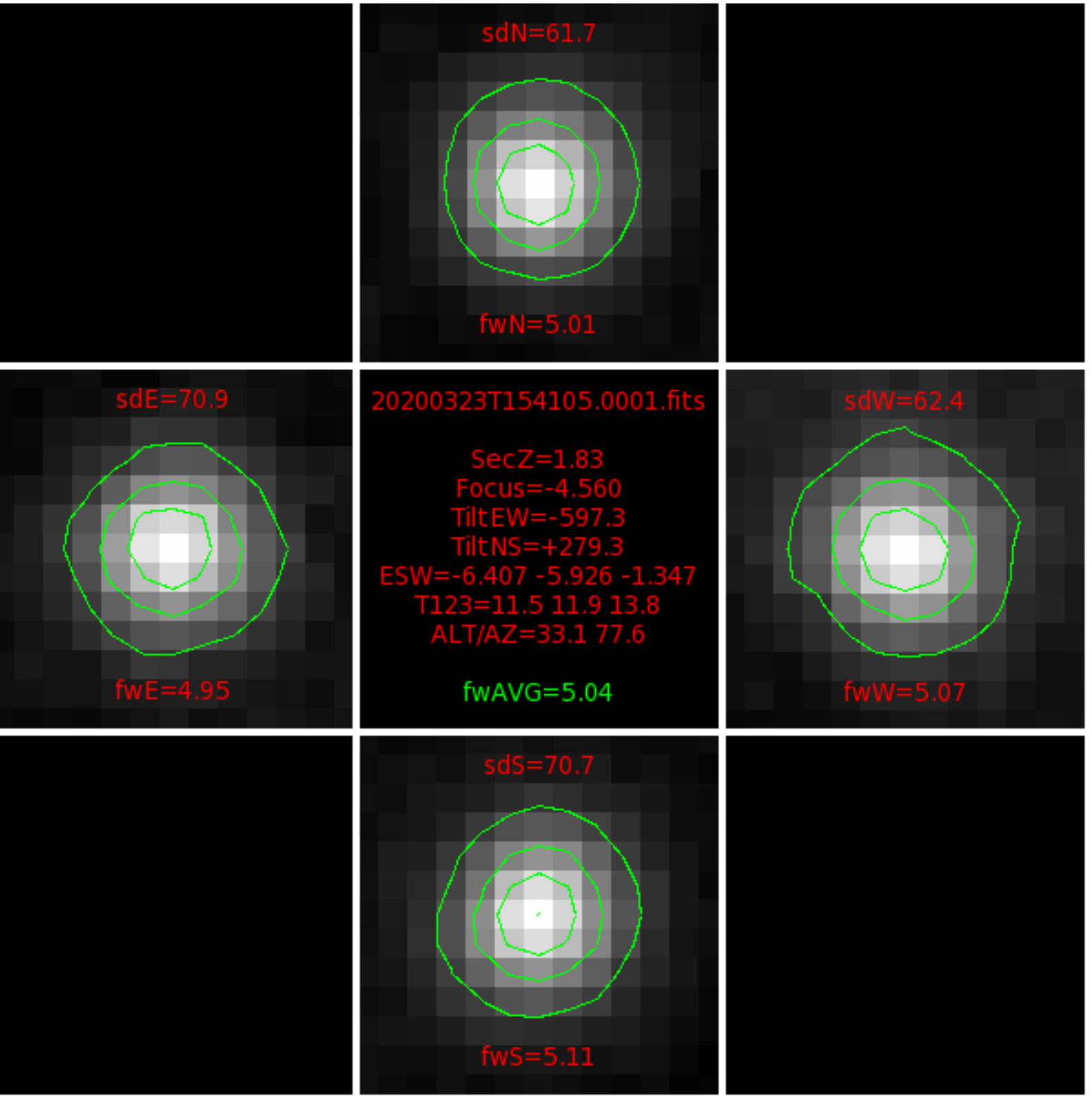

sdN=91.4
fwN=4.92
sdE=96.3
fwE=4.78
20200323T153937.0001.fits
SecZ=1.50
Focus=-4.560
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.407 -5.926 -1.347
T123=11.5 11.9 13.8
ALT/AZ=41.8 75.9
fwAVG=4.88
sdW=87.8
fwW=4.93
sdS=90.6
fwS=4.90
0 0 0 0 0 0 0 0 0


sdN=61.7
fwN=5.01
sdE=70.9
fwE=4.95
20200323T154105.0001.fits
SecZ=1.83
Focus=-4.560
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.407 -5.926 -1.347
T123=11.5 11.9 13.8
ALT/AZ=33.1 77.6
fwAVG=5.04
sdW=62.4
fwW=5.07
sdS=70.7
fwS=5.11
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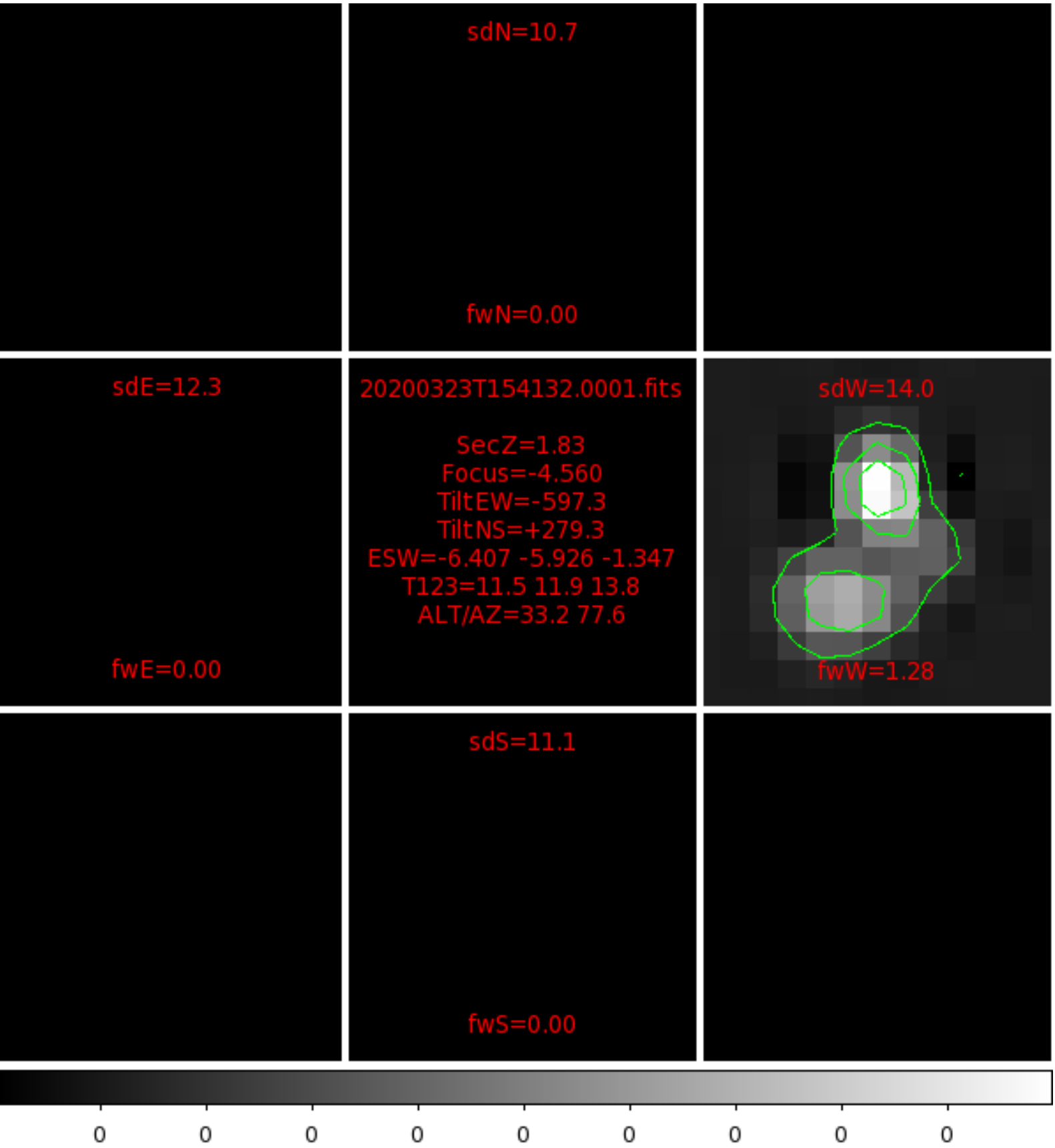
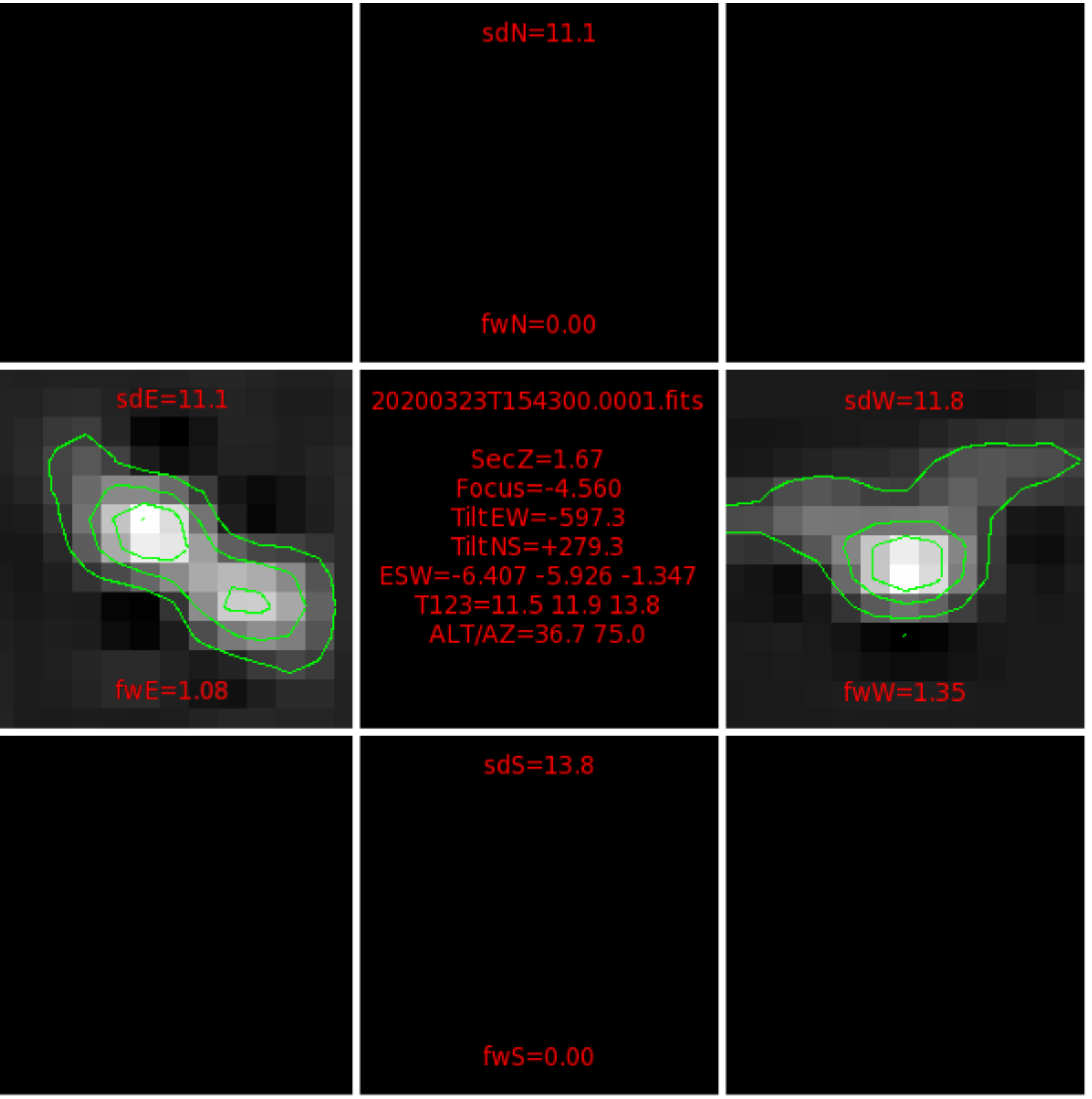
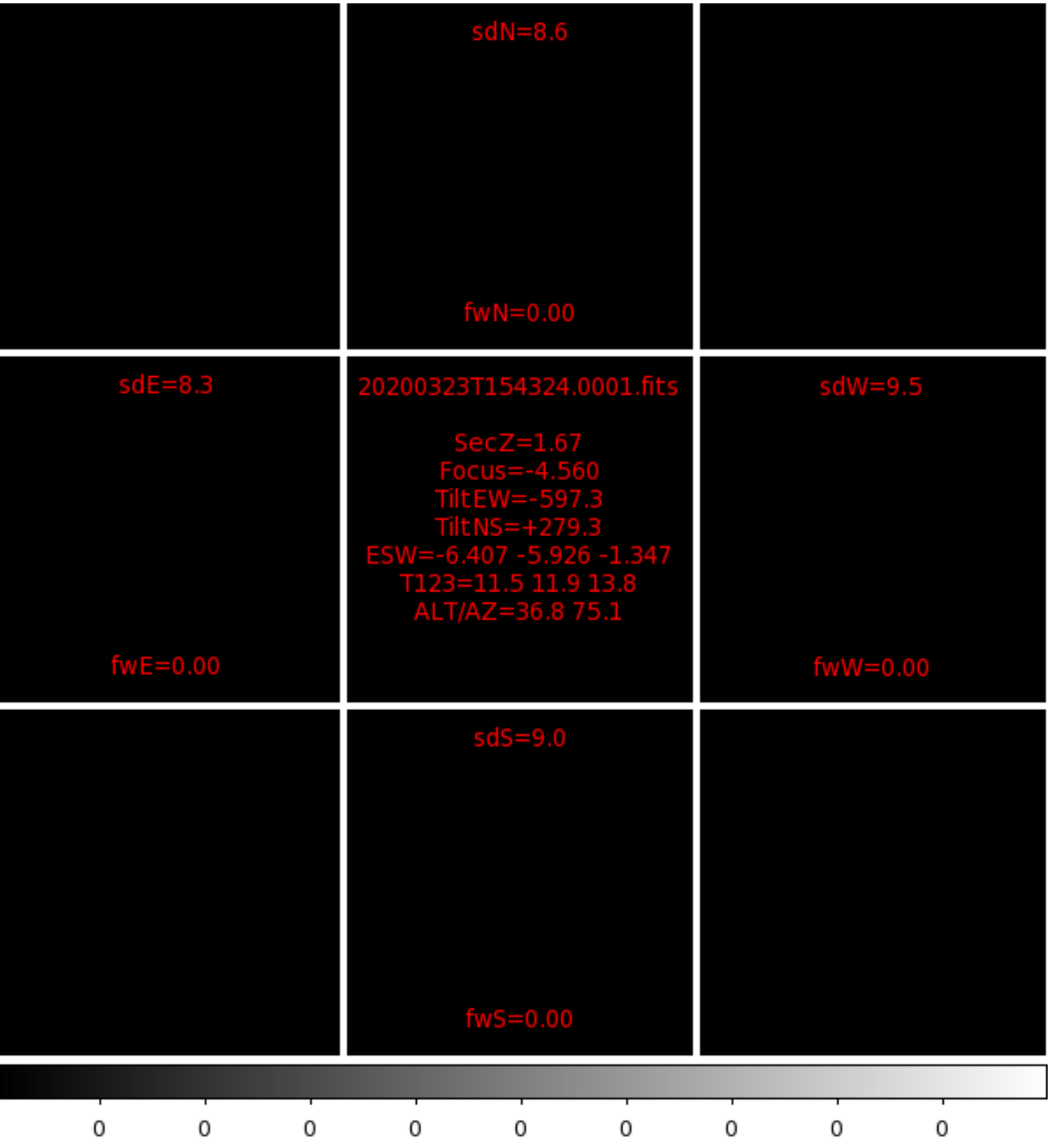
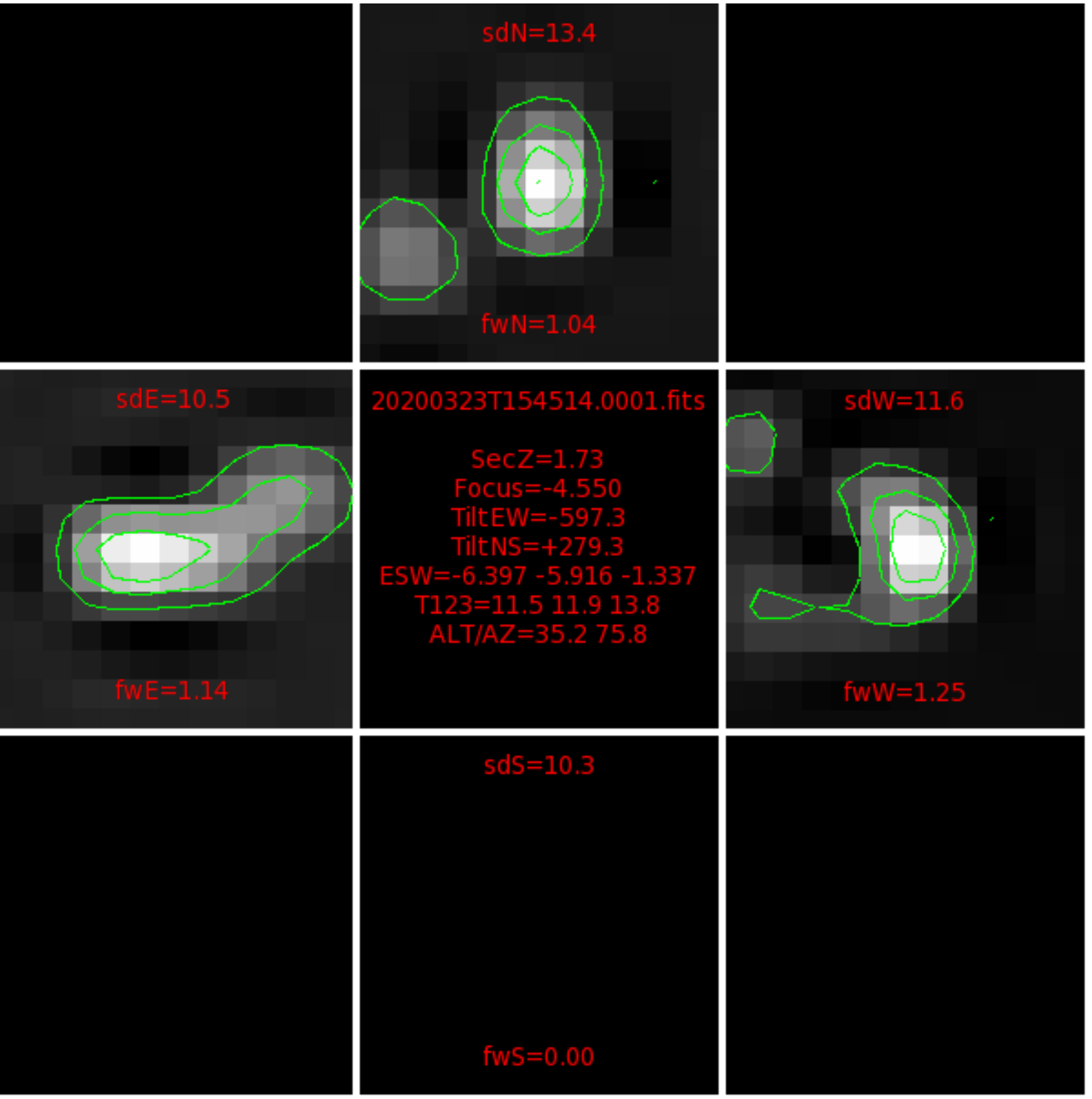
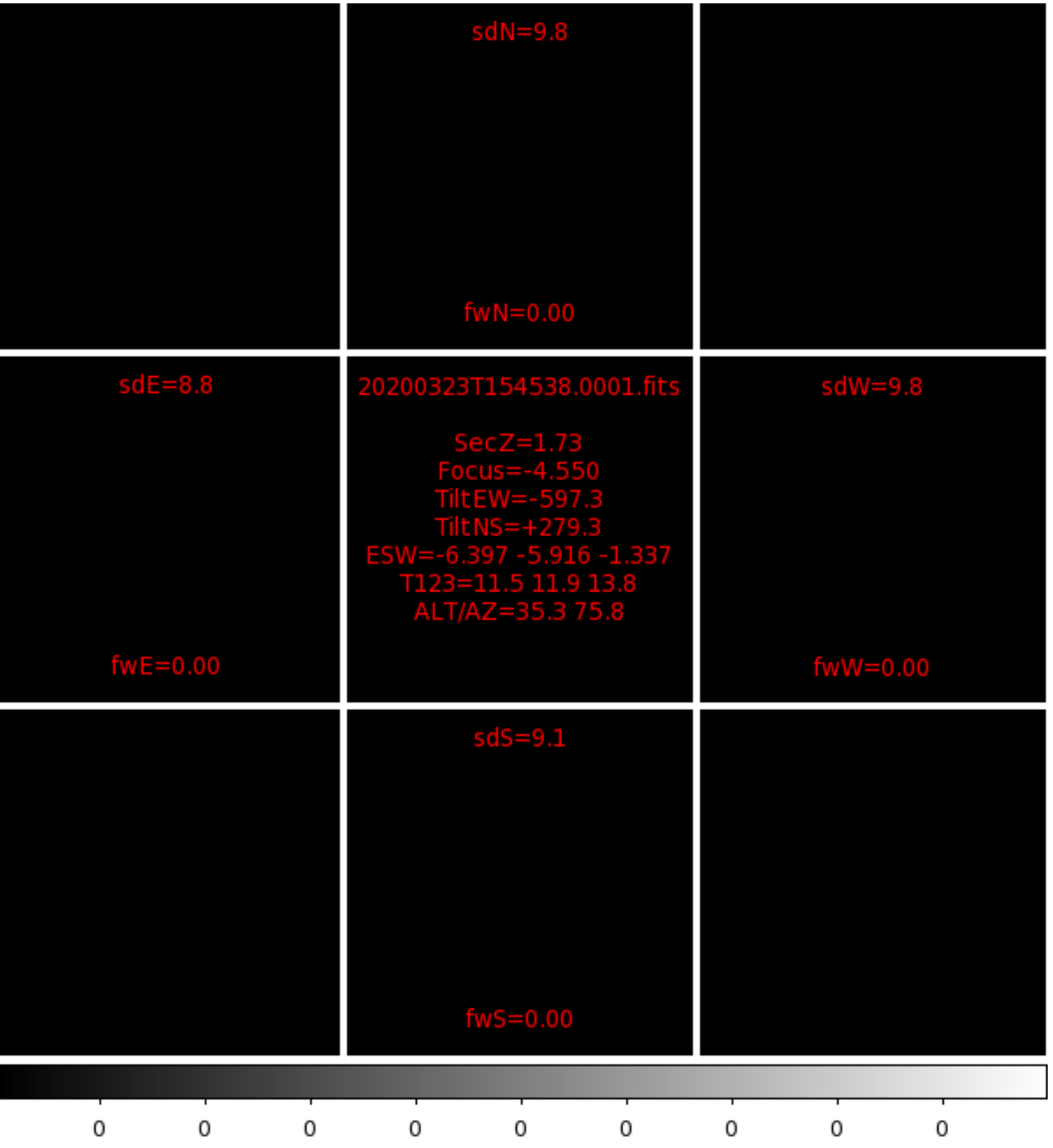

sdN=10.7
fwN=0.00
sdE=12.3
fwE=0.00
20200323T154132.0001.fits
SecZ=1.83
Focus=-4.560
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.407 -5.926 -1.347
T123=11.5 11.9 13.8
ALT/AZ=33.2 77.6
sdW=14.0
fwW=1.28
sdS=11.1
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=11.1
fwN=0.00
sdE=11.1
fwE=1.08
20200323T154300.0001.fits
SecZ=1.67
Focus=-4.560
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.407 -5.926 -1.347
T123=11.5 11.9 13.8
ALT/AZ=36.7 75.0
sdW=11.8
fwW=1.35
sdS=13.8
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=8.6
fwN=0.00
sdE=8.3
20200323T154324.0001.fits
SecZ=1.67
Focus=-4.560
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.407 -5.926 -1.347
T123=11.5 11.9 13.8
ALT/AZ=36.8 75.1
sdW=9.5
fwE=0.00
fwW=0.00
sdS=9.0
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=13.4
fwN=1.04
sdE=10.5
fwE=1.14
20200323T154514.0001.fits
SecZ=1.73
Focus=-4.550
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.397 -5.916 -1.337
T123=11.5 11.9 13.8
ALT/AZ=35.2 75.8
sdW=11.6
fwW=1.25
sdS=10.3
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=9.8
fwN=0.00
sdE=8.8
20200323T154538.0001.fits
SecZ=1.73
Focus=-4.550
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.397 -5.916 -1.337
T123=11.5 11.9 13.8
ALT/AZ=35.3 75.8
sdW=9.8
fwE=0.00
fwW=0.00
sdS=9.1
fwS=0.00
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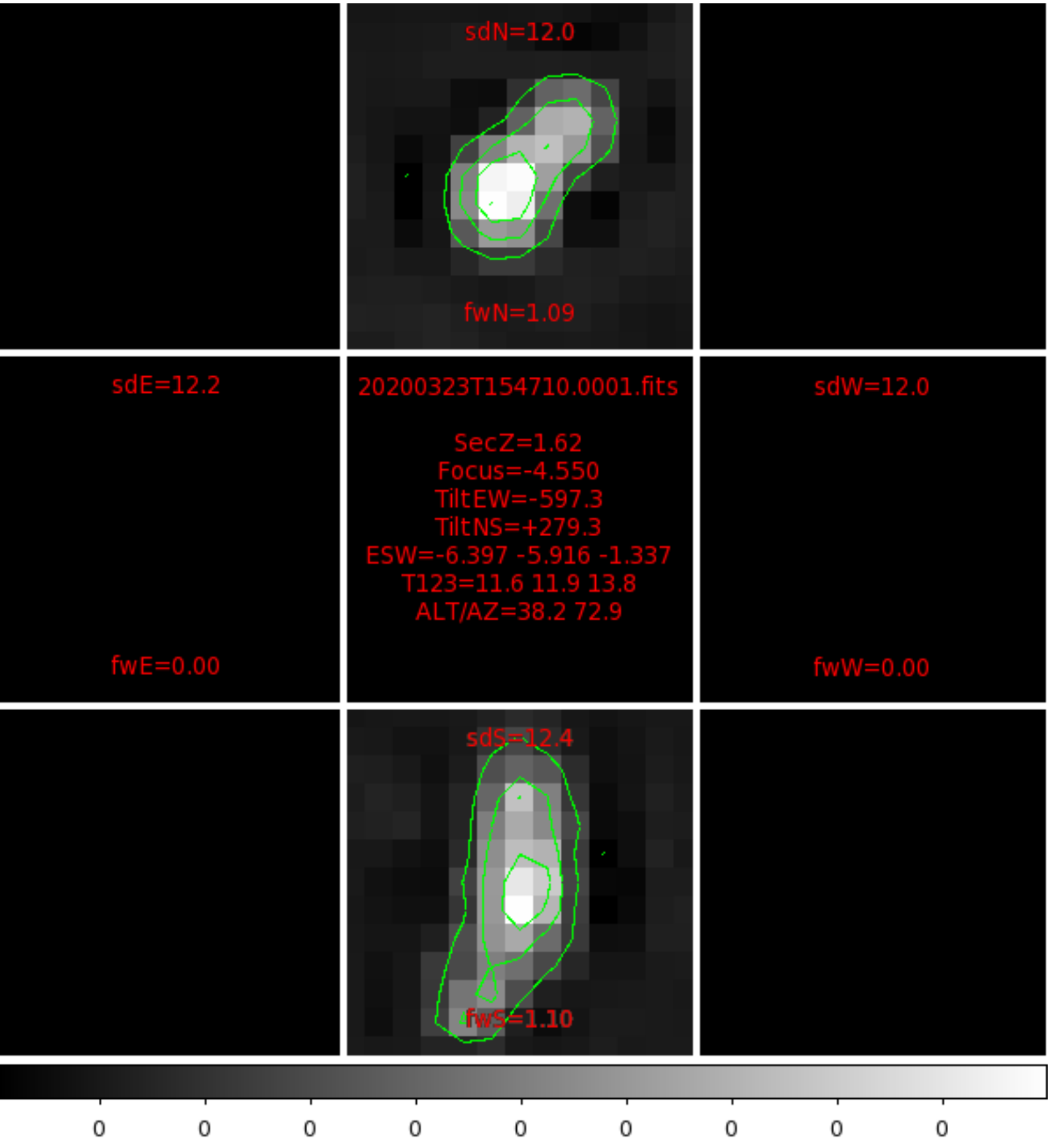
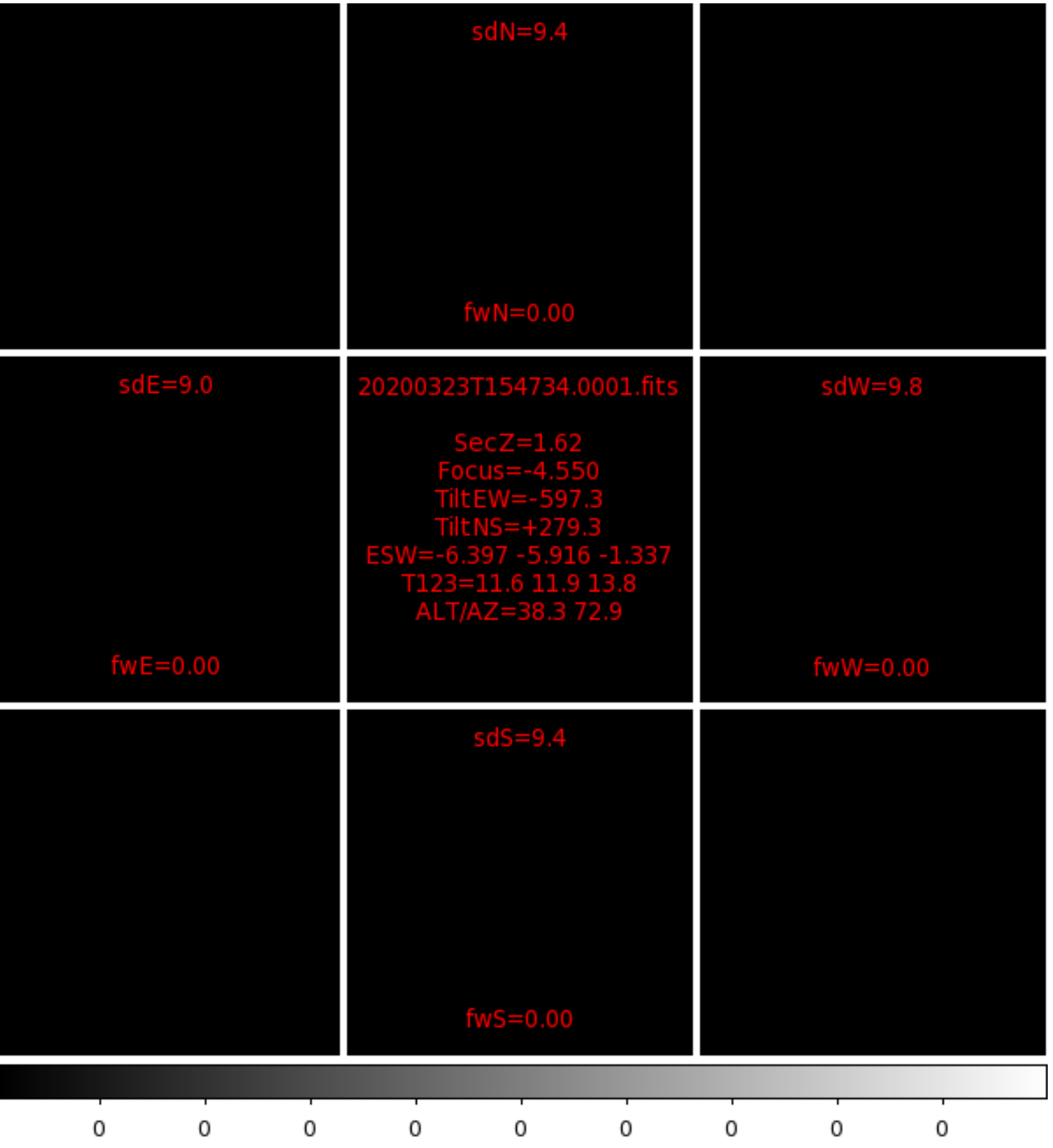
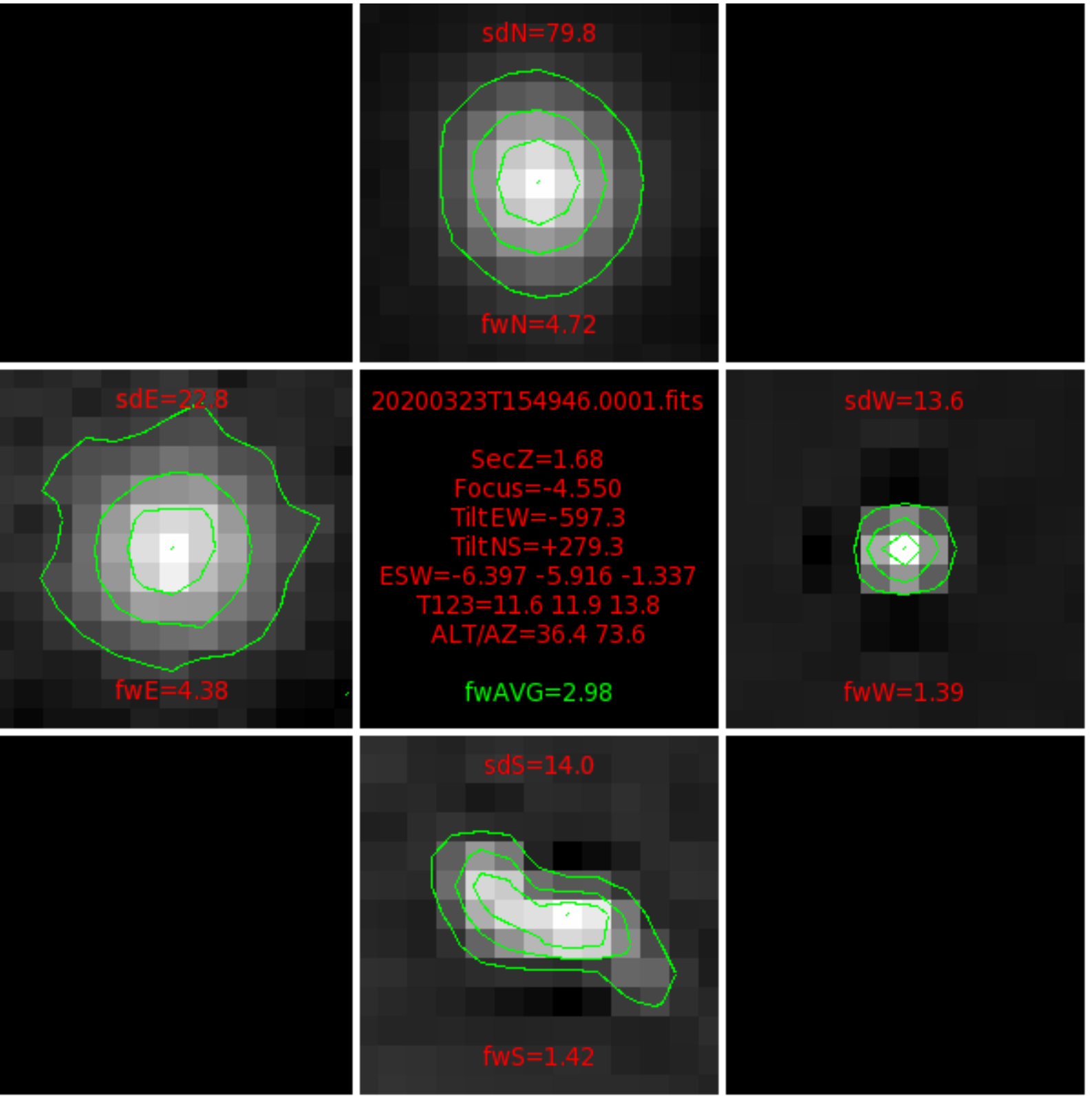

sdN=12.0
fwN=1.09
sdE=12.2
fwE=0.00
20200323T154710.0001.fits
SecZ=1.62
Focus=-4.550
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.397 -5.916 -1.337
T123=11.6 11.9 13.8
ALT/AZ=38.2 72.9
sdW=12.0
fwW=0.00
sdS=12.4
fwS=1.10
0 0 0 0 0 0 0 0 0


sdN=9.4
fwN=0.00
sdE=9.0
20200323T154734.0001.fits
SecZ=1.62
Focus=-4.550
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.397 -5.916 -1.337
T123=11.6 11.9 13.8
ALT/AZ=38.3 72.9
sdW=9.8
fwE=0.00
fwW=0.00
sdS=9.4
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=79.8
fwN=4.72
sdE=22.8
fwE=4.38
20200323T154946.0001.fits
SecZ=1.68
Focus=-4.550
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.397 -5.916 -1.337
T123=11.6 11.9 13.8
ALT/AZ=36.4 73.6
fwAVG=2.98
sdW=13.6
fwW=1.39
sdS=14.0
fwS=1.42
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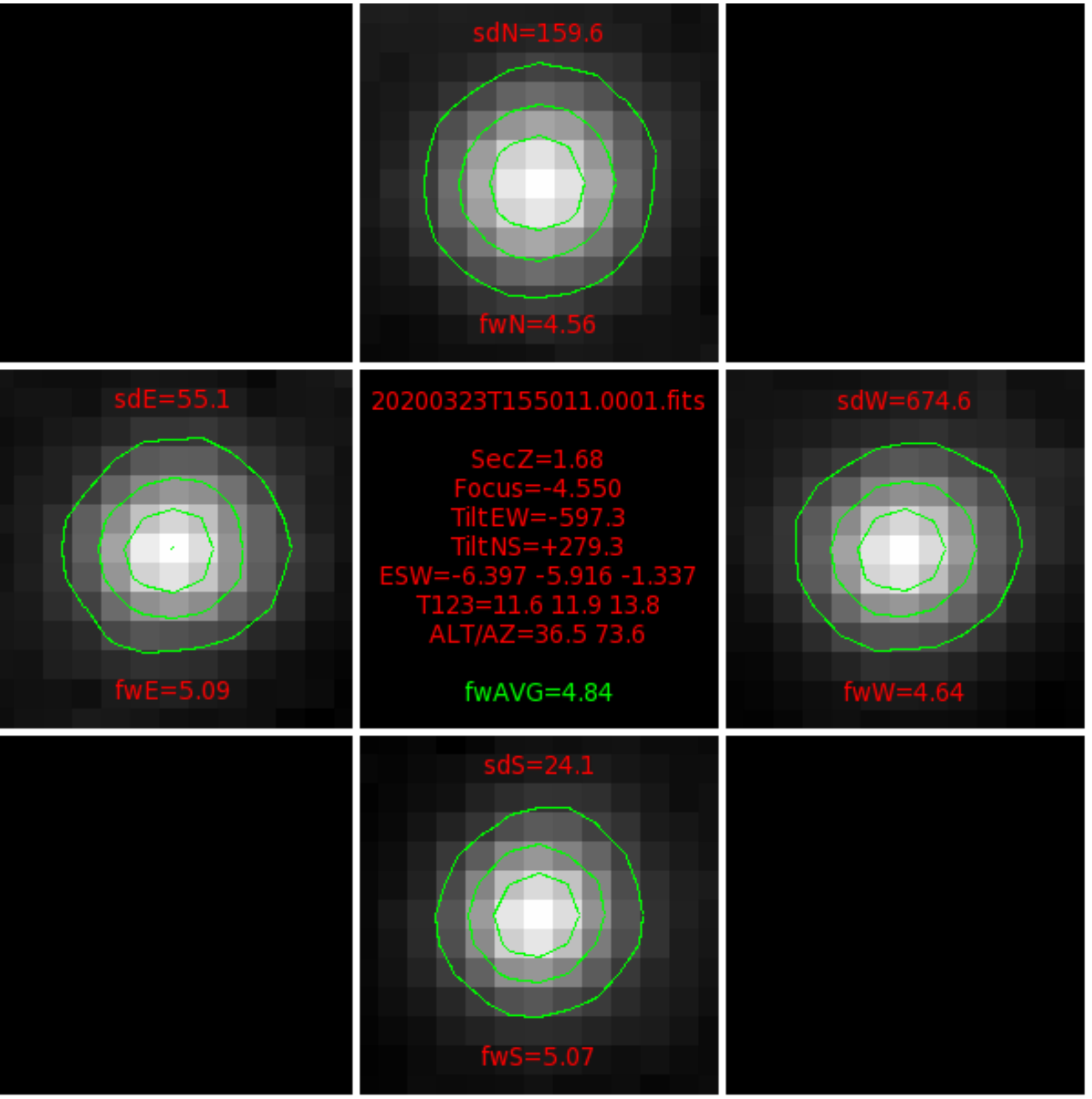
sdN=159.6
fwN=4.56
sdE=55.1
fwE=5.09
20200323T155011.0001.fits
SecZ=1.68
Focus=-4.550
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.397 -5.916 -1.337
T123=11.6 11.9 13.8
ALT/AZ=36.5 73.6
fwAVG=4.84
sdW=674.6
fwW=4.64
sdS=24.1
fwS=5.07
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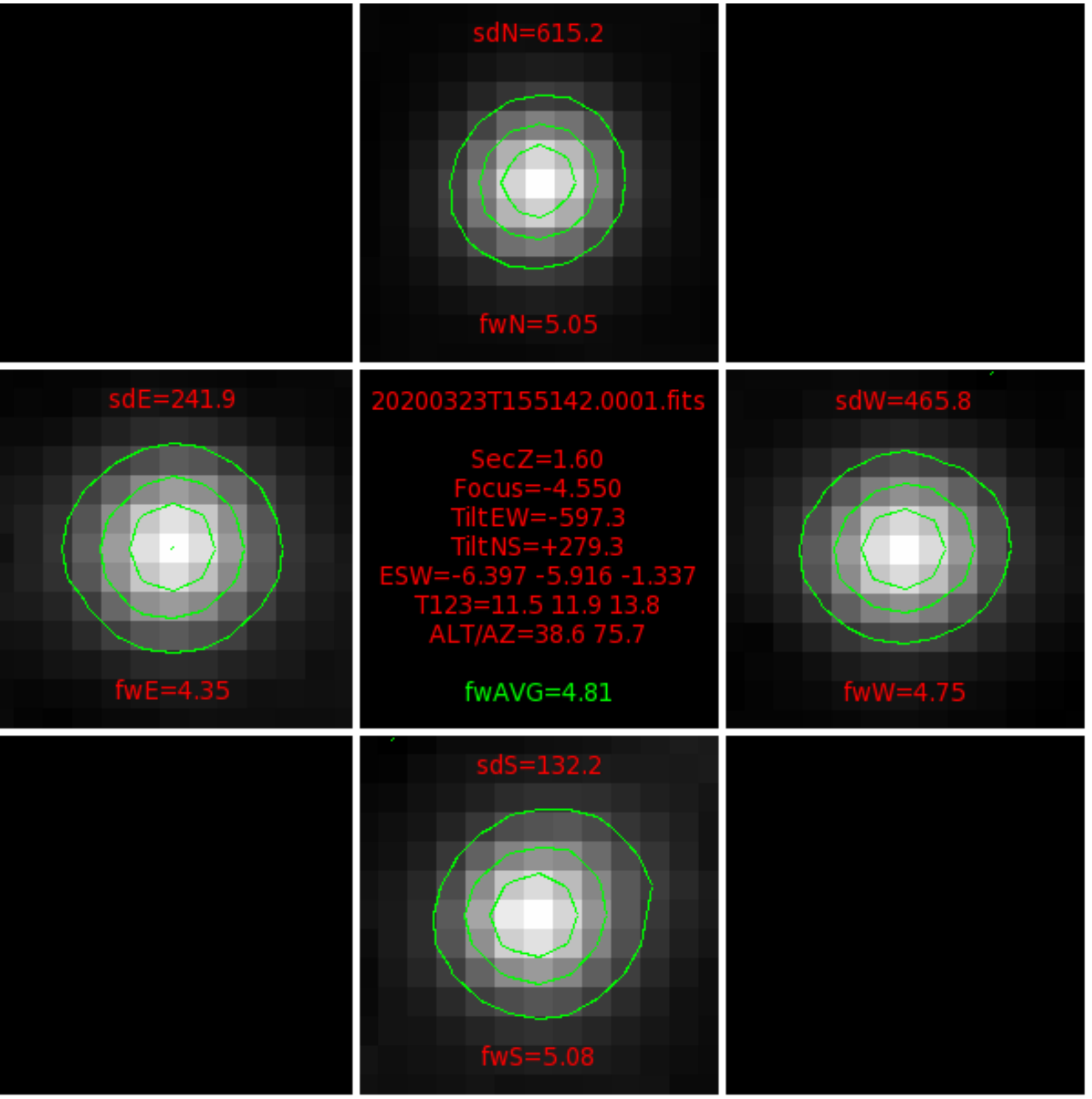
sdN=615.2
fwN=5.05
sdE=241.9
fwE=4.35
20200323T155142.0001.fits
SecZ=1.60
Focus=-4.550
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.397 -5.916 -1.337
T123=11.5 11.9 13.8
ALT/AZ=38.6 75.7
fwAVG=4.81
sdW=465.8
fwW=4.75
sdS=132.2
fwS=5.08
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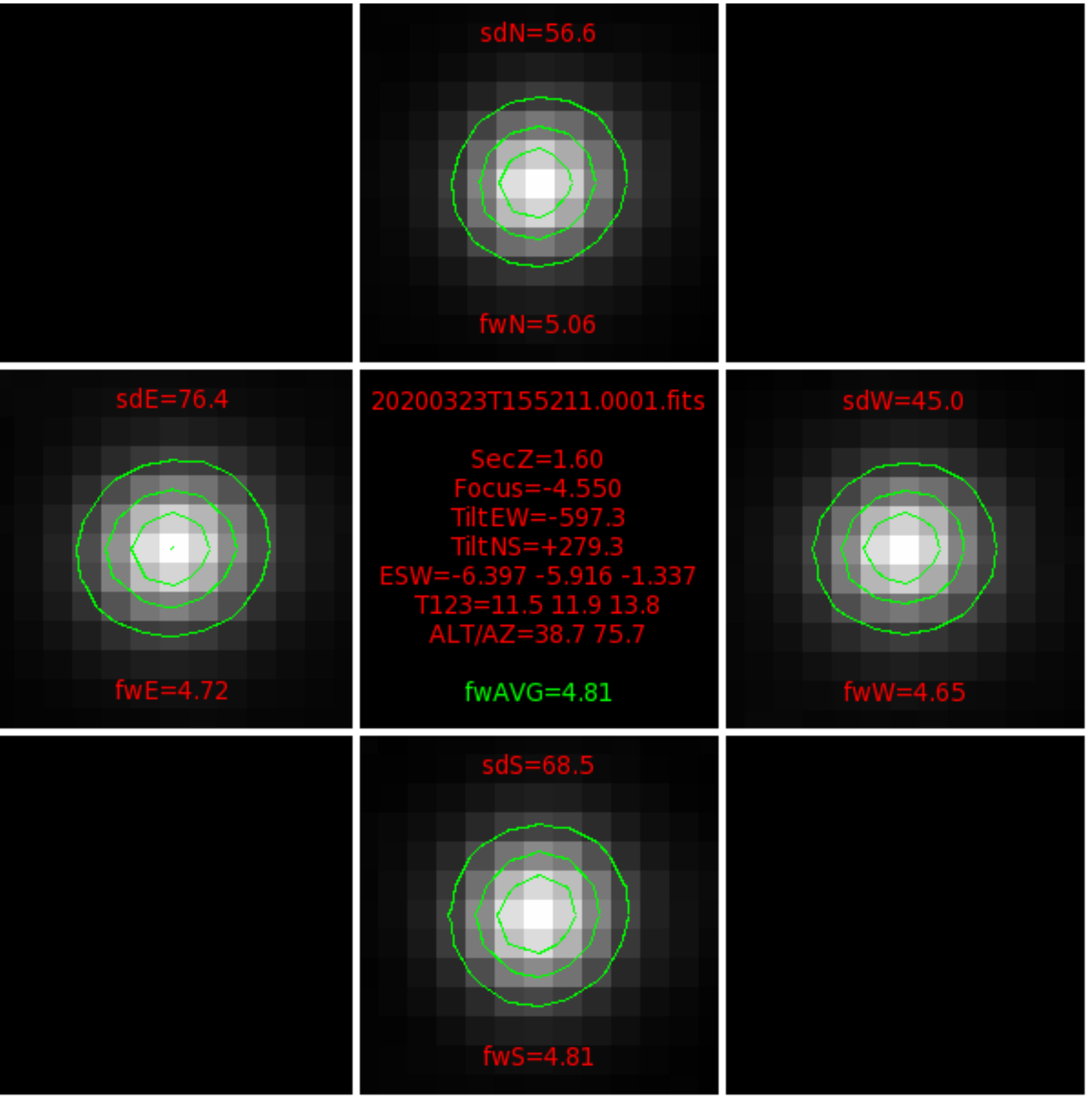
sdN=56.6
fwN=5.06
sdE=76.4
fwE=4.72
20200323T155211.0001.fits
SecZ=1.60
Focus=-4.550
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.397 -5.916 -1.337
T123=11.5 11.9 13.8
ALT/AZ=38.7 75.7
fwAVG=4.81
sdW=45.0
fwW=4.65
sdS=68.5
fwS=4.81
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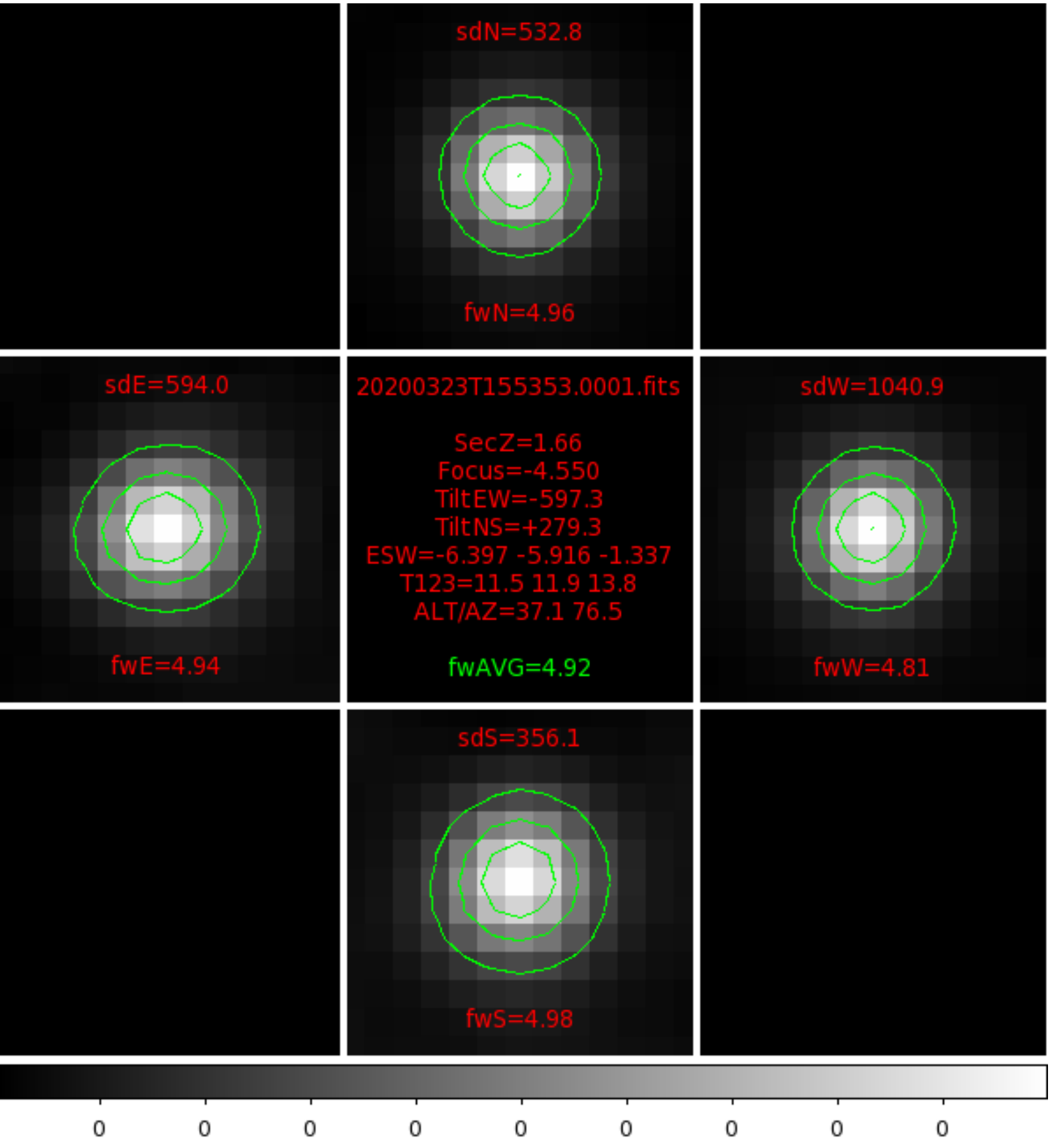
sdN=532.8
fwN=4.96
sdE=594.0
fwE=4.94
20200323T155353.0001.fits
SecZ=1.66
Focus=-4.550
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.397 -5.916 -1.337
T123=11.5 11.9 13.8
ALT/AZ=37.1 76.5
fwAVG=4.92
sdW=1040.9
fwW=4.81
sdS=356.1
fwS=4.98
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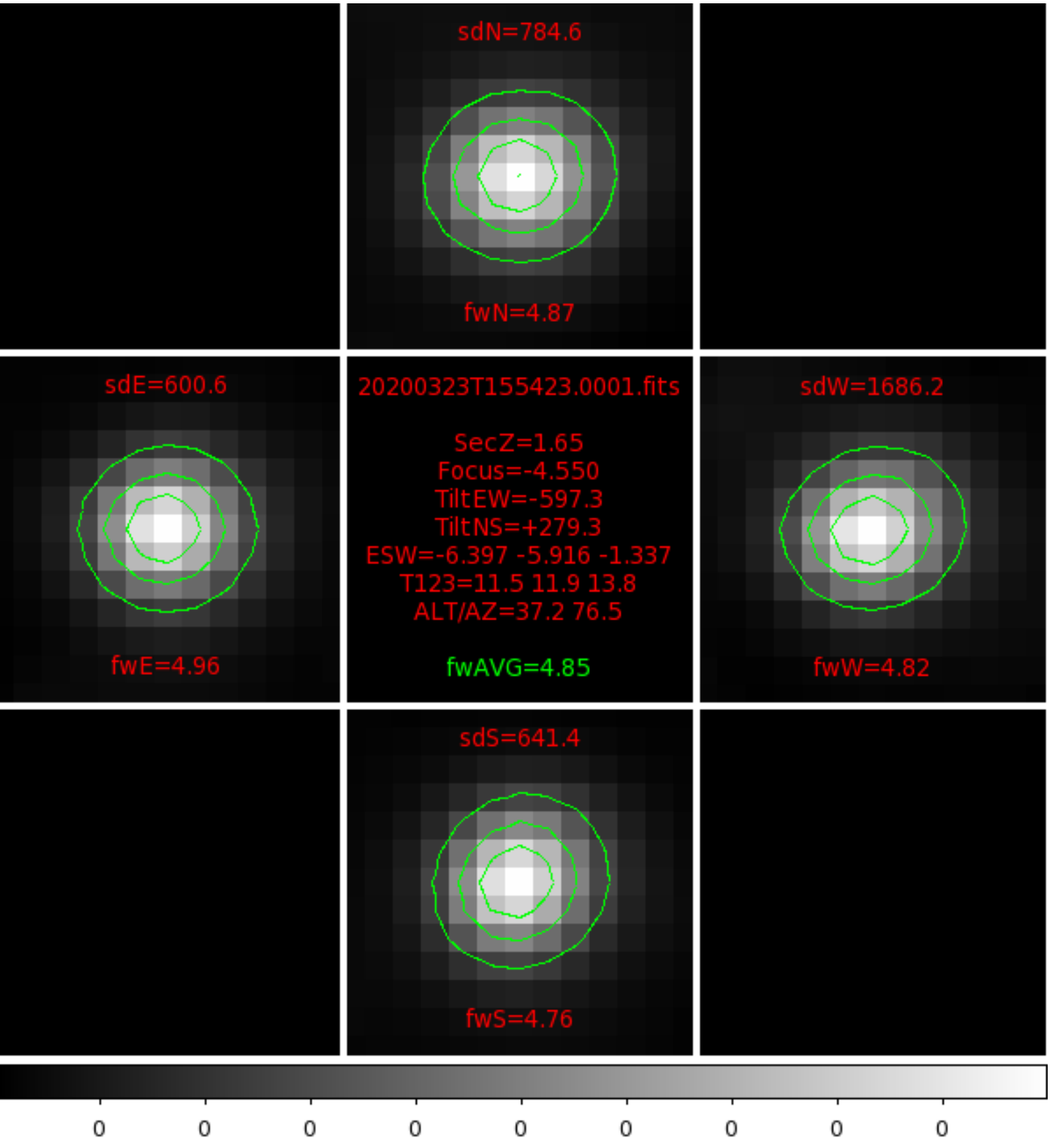
sdN=784.6
fwN=4.87
sdE=600.6
fwE=4.96
20200323T155423.0001.fits
SecZ=1.65
Focus=-4.550
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.397 -5.916 -1.337
T123=11.5 11.9 13.8
ALT/AZ=37.2 76.5
fwAVG=4.85
sdW=1686.2
fwW=4.82
sdS=641.4
fwS=4.76
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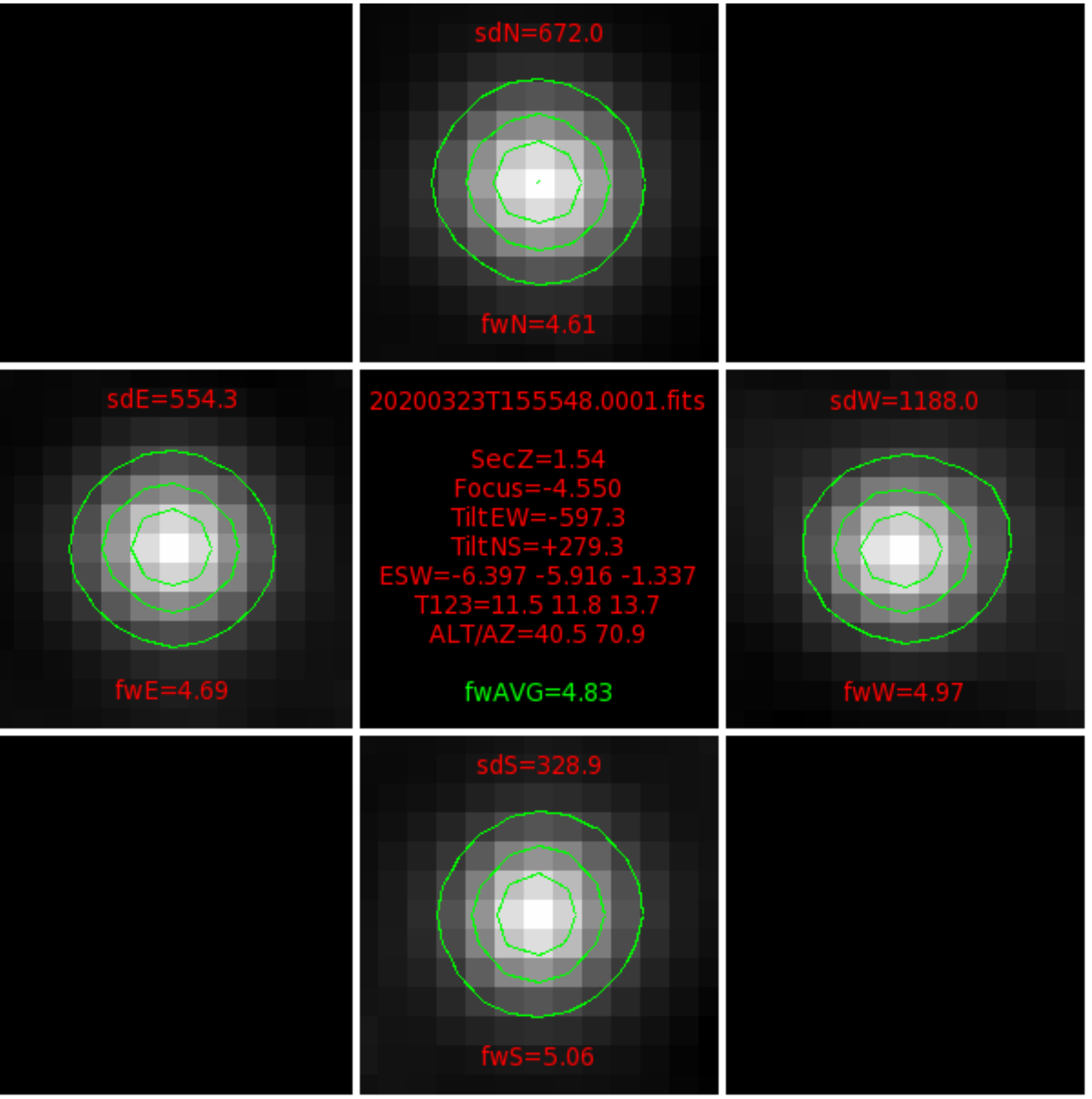
sdN=672.0
fwN=4.61
sdE=554.3
fwE=4.69
20200323T155548.0001.fits
SecZ=1.54
Focus=-4.550
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.397 -5.916 -1.337
T123=11.5 11.8 13.7
ALT/AZ=40.5 70.9
fwAVG=4.83
sdW=1188.0
fwW=4.97
sdS=328.9
fwS=5.06
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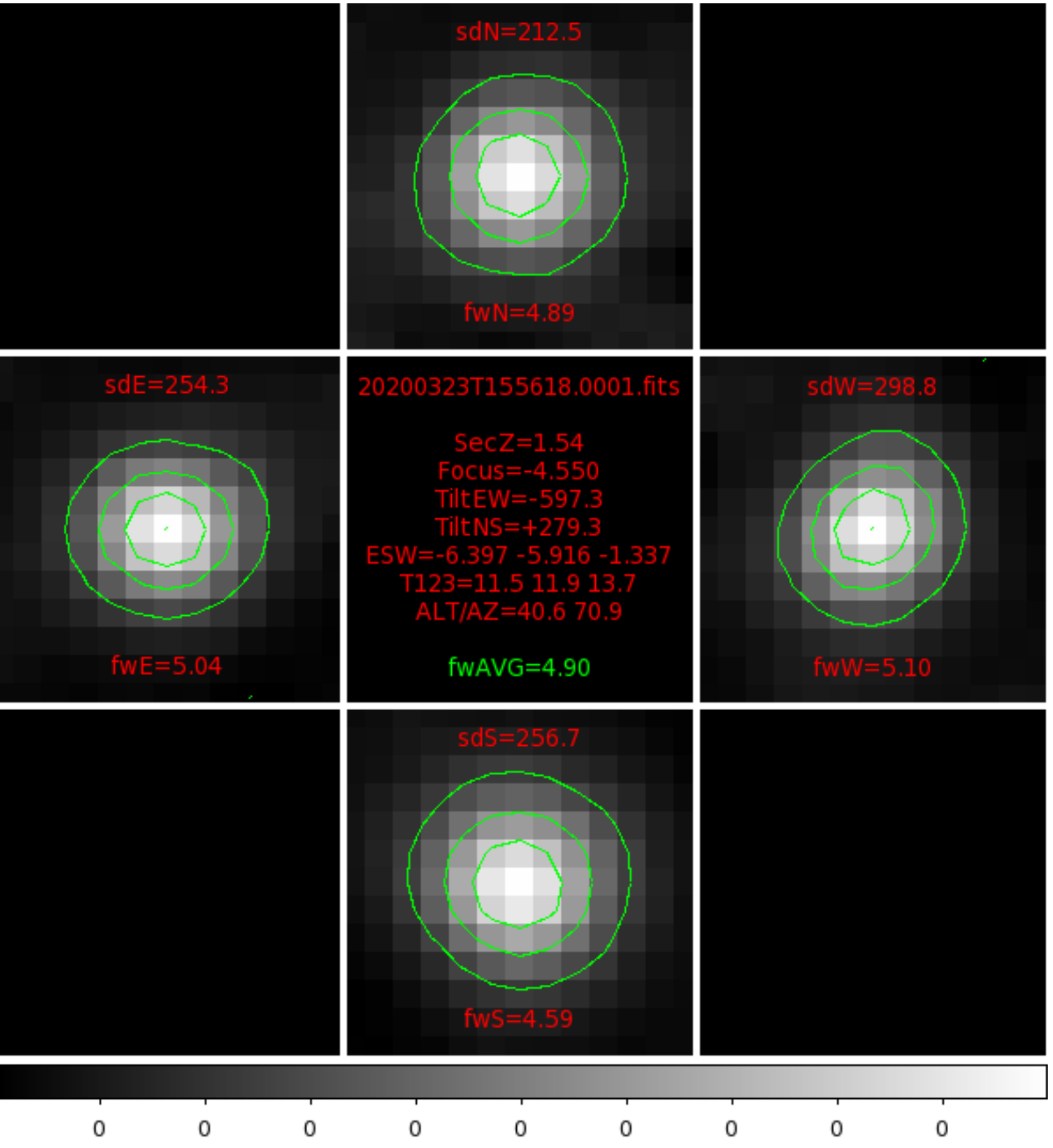
sdN=212.5
fwN=4.89
sdE=254.3
fwE=5.04
20200323T155618.0001.fits
SecZ=1.54
Focus=-4.550
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.397 -5.916 -1.337
T123=11.5 11.9 13.7
ALT/AZ=40.6 70.9
fwAVG=4.90
sdW=298.8
fwW=5.10
sdS=256.7
fwS=4.59
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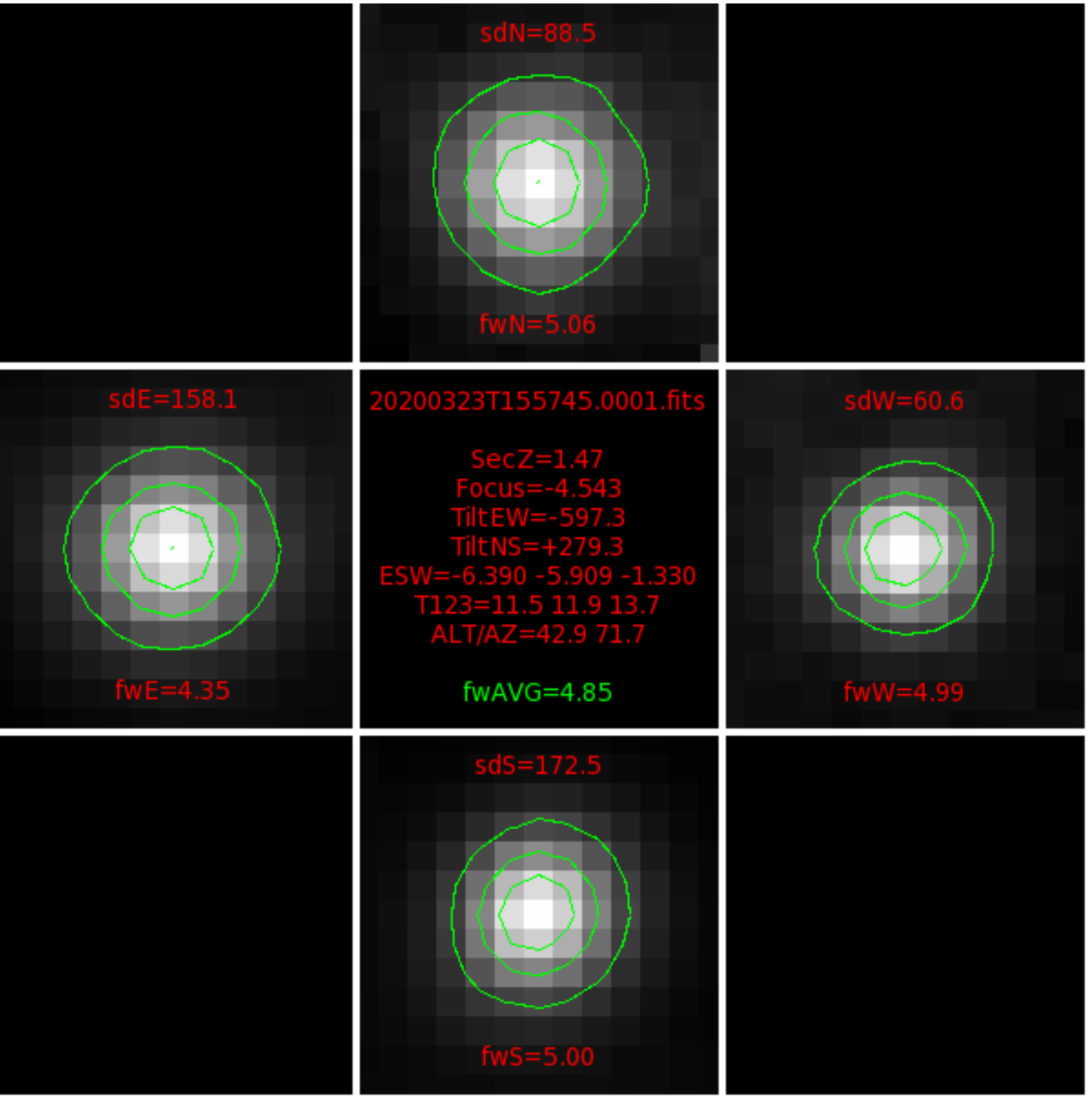
sdN=88.5
fwN=5.06
sdE=158.1
fwE=4.35
20200323T155745.0001.fits
SecZ=1.47
Focus=-4.543
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.390 -5.909 -1.330
T123=11.5 11.9 13.7
ALT/AZ=42.9 71.7
fwAVG=4.85
sdW=60.6
fwW=4.99
sdS=172.5
fwS=5.00
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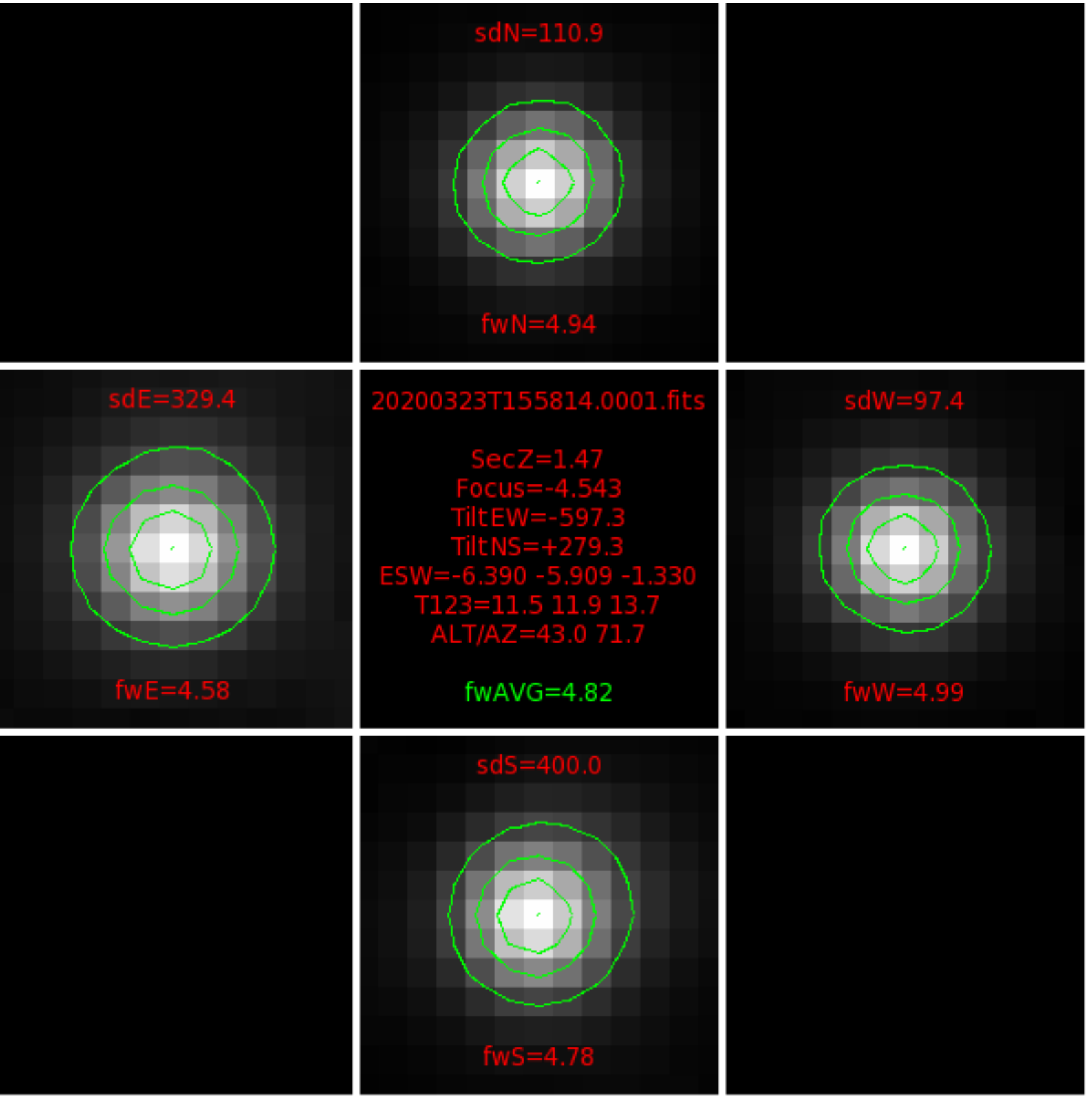
sdN=110.9
fwN=4.94
sdE=329.4
fwE=4.58
20200323T155814.0001.fits
SecZ=1.47
Focus=-4.543
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.390 -5.909 -1.330
T123=11.5 11.9 13.7
ALT/AZ=43.0 71.7
fwAVG=4.82
sdW=97.4
fwW=4.99
sdS=400.0
fwS=4.78
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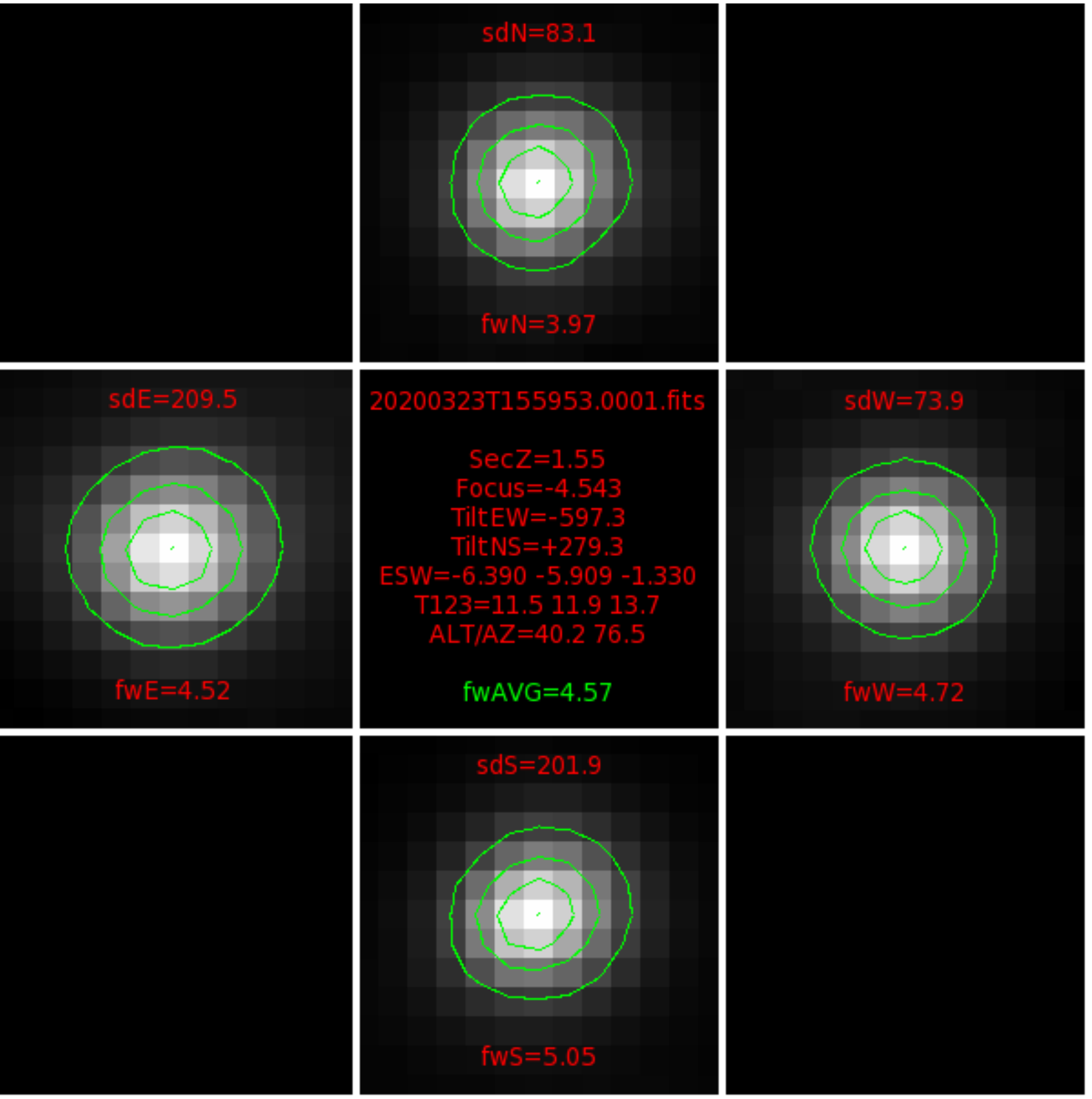
sdN=83.1
fwN=3.97
sdE=209.5
fwE=4.52
20200323T155953.0001.fits
SecZ=1.55
Focus=-4.543
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.390 -5.909 -1.330
T123=11.5 11.9 13.7
ALT/AZ=40.2 76.5
fwAVG=4.57
sdW=73.9
fwW=4.72
sdS=201.9
fwS=5.05
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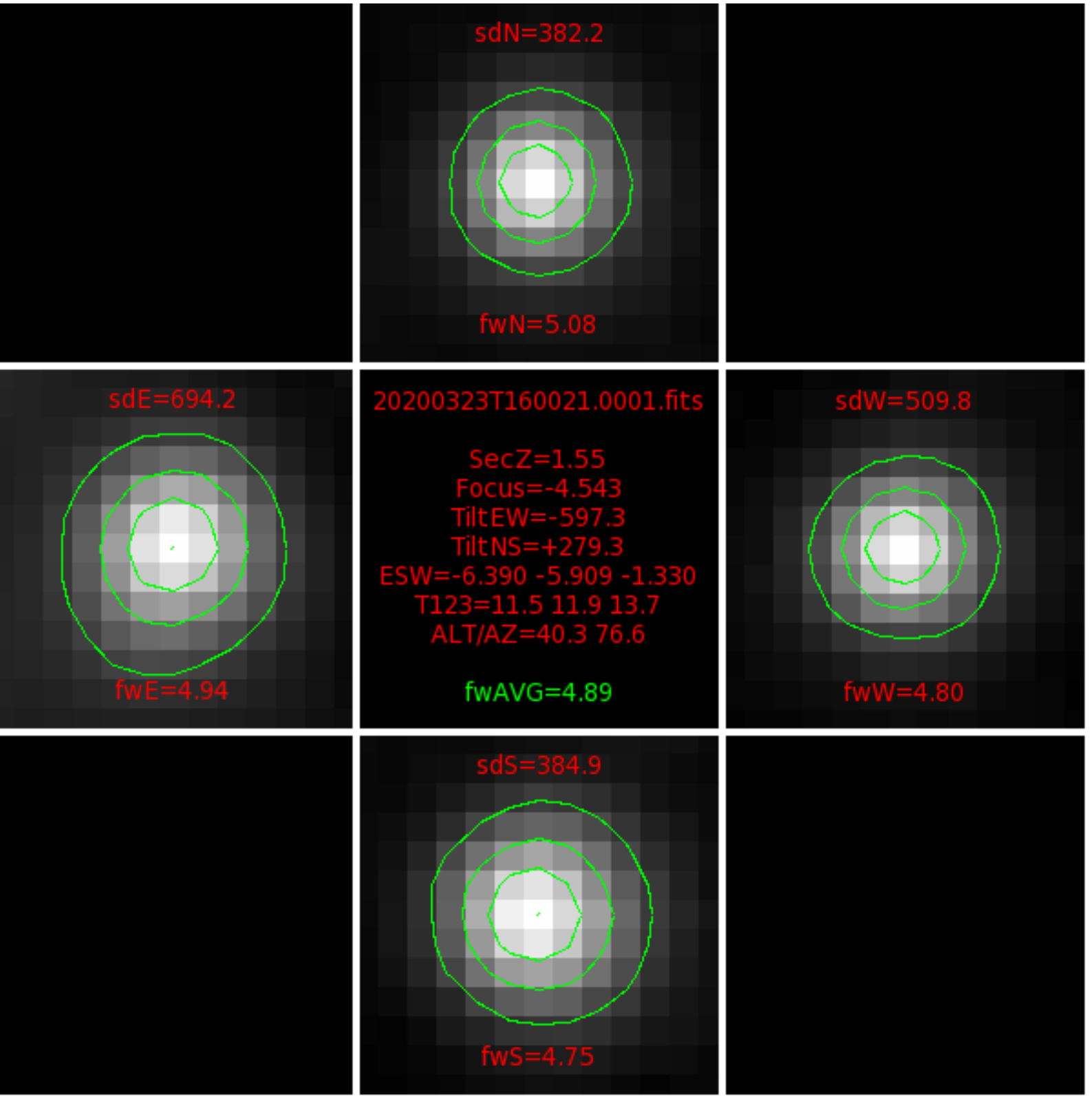
sdN=382.2
fwN=5.08
sdE=694.2
fwE=4.94
20200323T160021.0001.fits
SecZ=1.55
Focus=-4.543
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.390 -5.909 -1.330
T123=11.5 11.9 13.7
ALT/AZ=40.3 76.6
fwAVG=4.89
sdW=509.8
fwW=4.80
sdS=384.9
fwS=4.75
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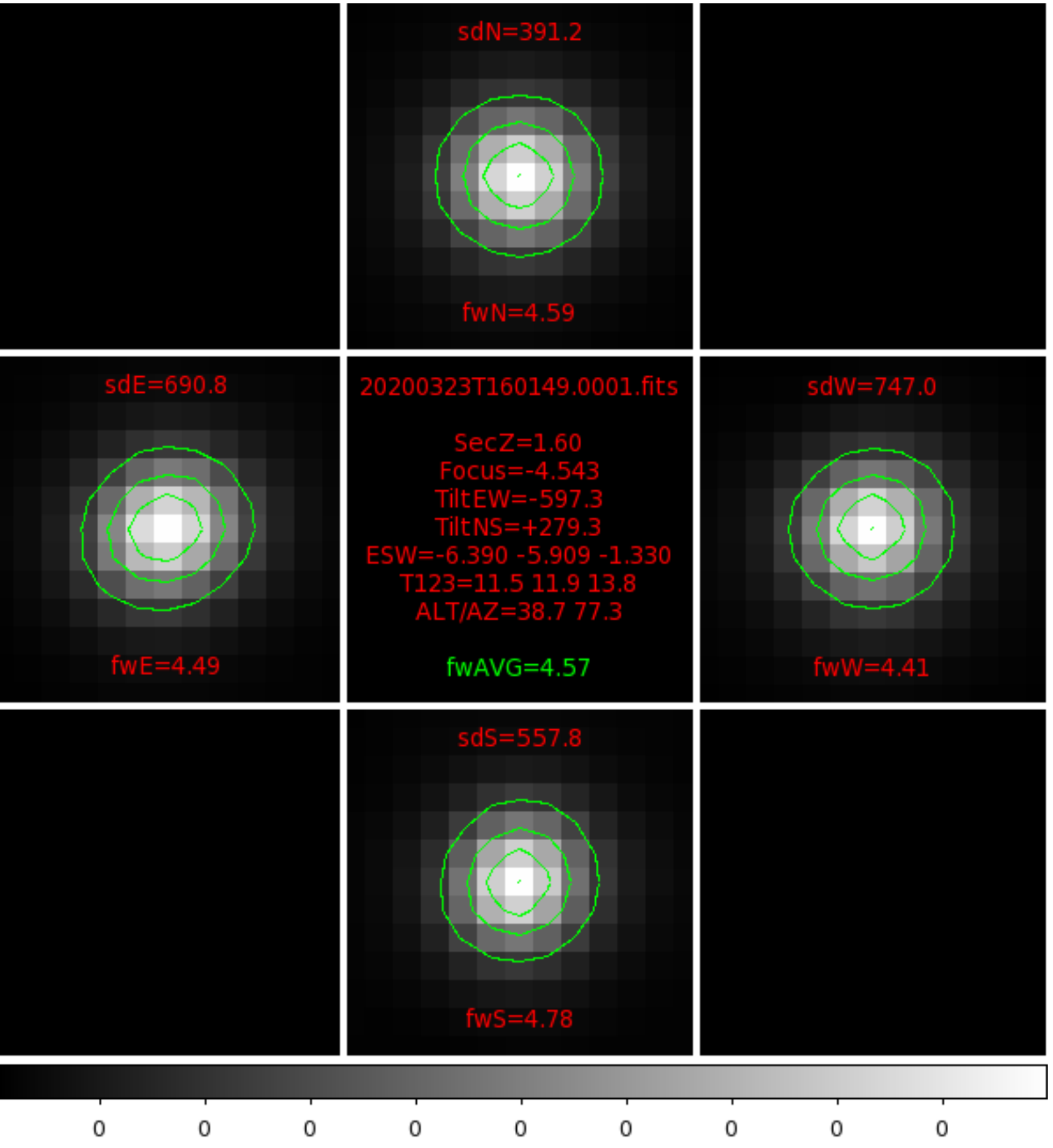
sdN=391.2
fwN=4.59
sdE=690.8
fwE=4.49
20200323T160149.0001.fits
SecZ=1.60
Focus=-4.543
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.390 -5.909 -1.330
T123=11.5 11.9 13.8
ALT/AZ=38.7 77.3
fwAVG=4.57
sdW=747.0
fwW=4.41
sdS=557.8
fwS=4.78
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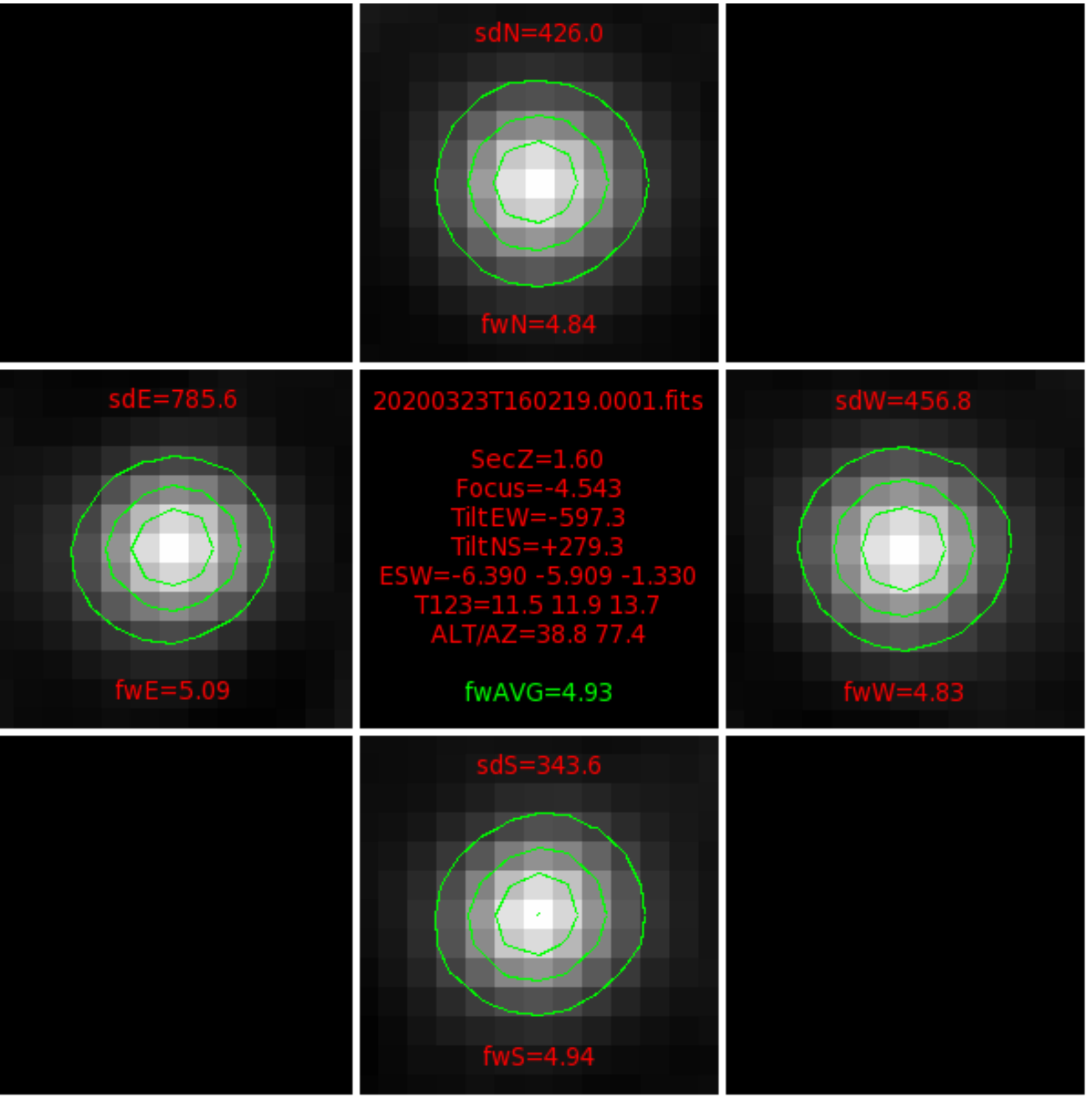
sdN=426.0
fwN=4.84
sdE=785.6
fwE=5.09
20200323T160219.0001.fits
SecZ=1.60
Focus=-4.543
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.390 -5.909 -1.330
T123=11.5 11.9 13.7
ALT/AZ=38.8 77.4
fwAVG=4.93
sdW=456.8
fwW=4.83
sdS=343.6
fwS=4.94
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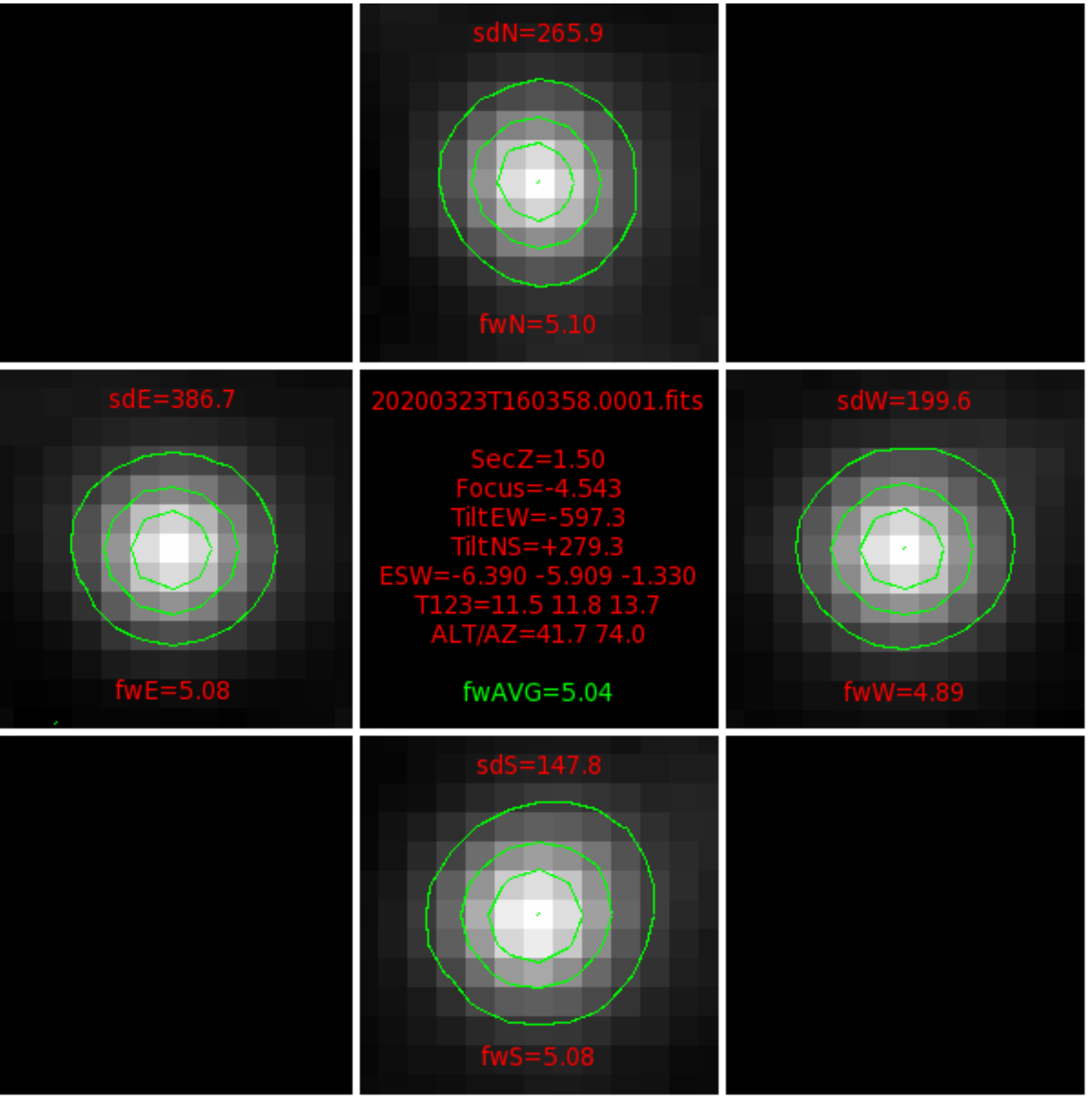
sdN=265.9
fwN=5.10
sdE=386.7
fwE=5.08
20200323T160358.0001.fits
SecZ=1.50
Focus=-4.543
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.390 -5.909 -1.330
T123=11.5 11.8 13.7
ALT/AZ=41.7 74.0
fwAVG=5.04
sdW=199.6
fwW=4.89
sdS=147.8
fwS=5.08
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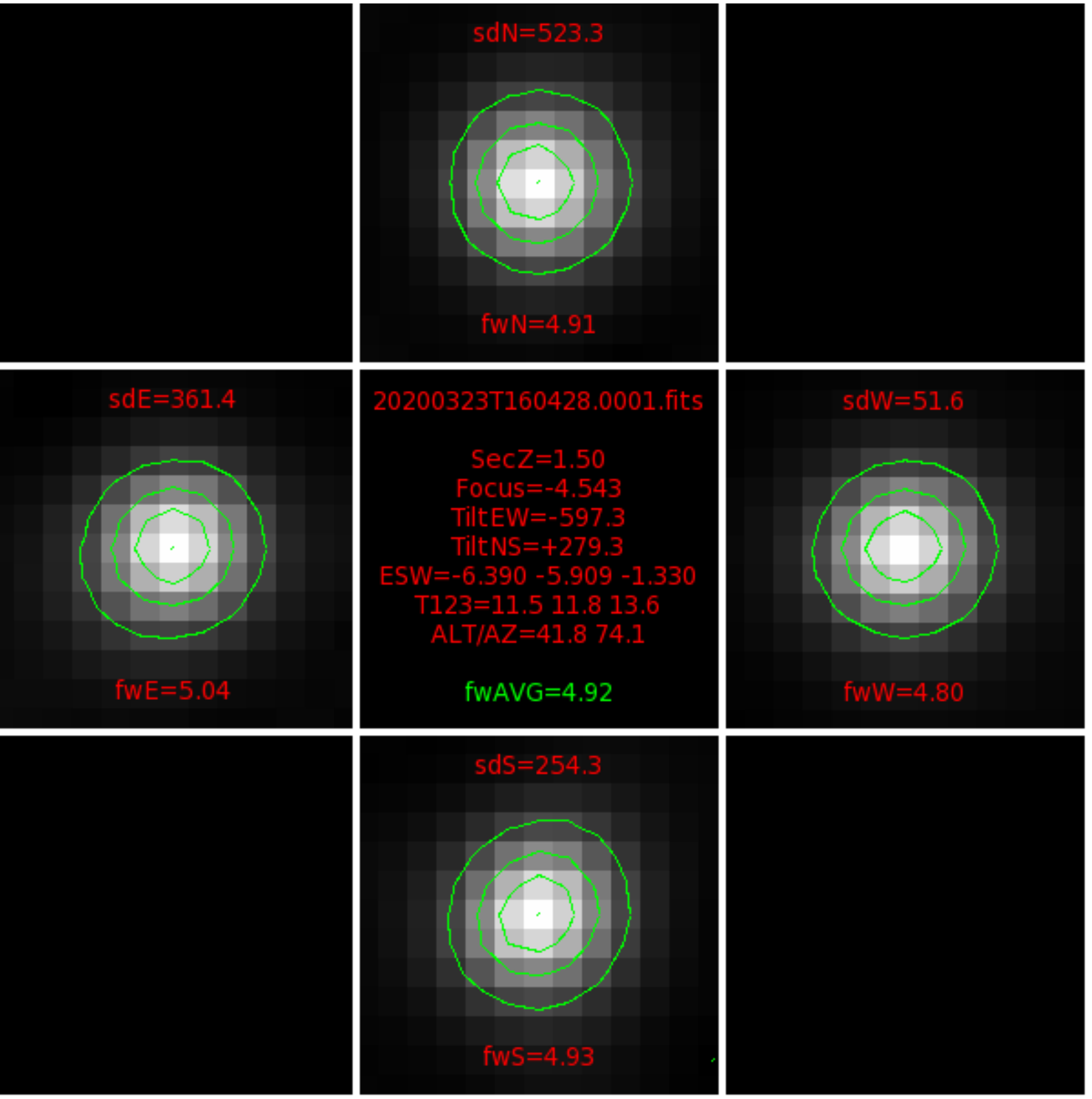
sdN=523.3
fwN=4.91
sdE=361.4
fwE=5.04
20200323T160428.0001.fits
SecZ=1.50
Focus=-4.543
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.390 -5.909 -1.330
T123=11.5 11.8 13.6
ALT/AZ=41.8 74.1
fwAVG=4.92
sdW=51.6
fwW=4.80
sdS=254.3
fwS=4.93
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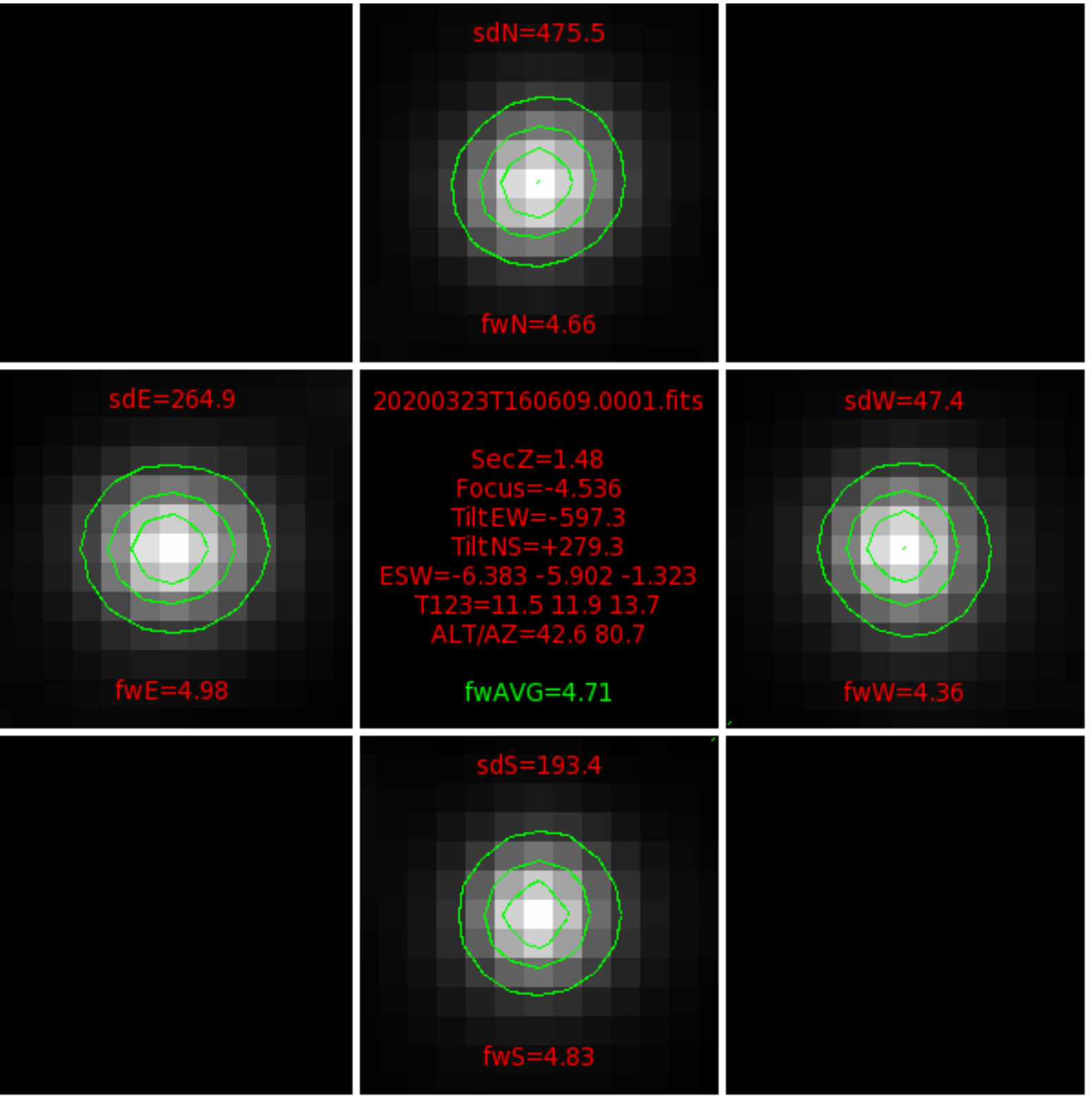
sdN=475.5
fwN=4.66
sdE=264.9
fwE=4.98
20200323T160609.0001.fits
SecZ=1.48
Focus=-4.536
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.383 -5.902 -1.323
T123=11.5 11.9 13.7
ALT/AZ=42.6 80.7
fwAVG=4.71
sdW=47.4
fwW=4.36
sdS=193.4
fwS=4.83
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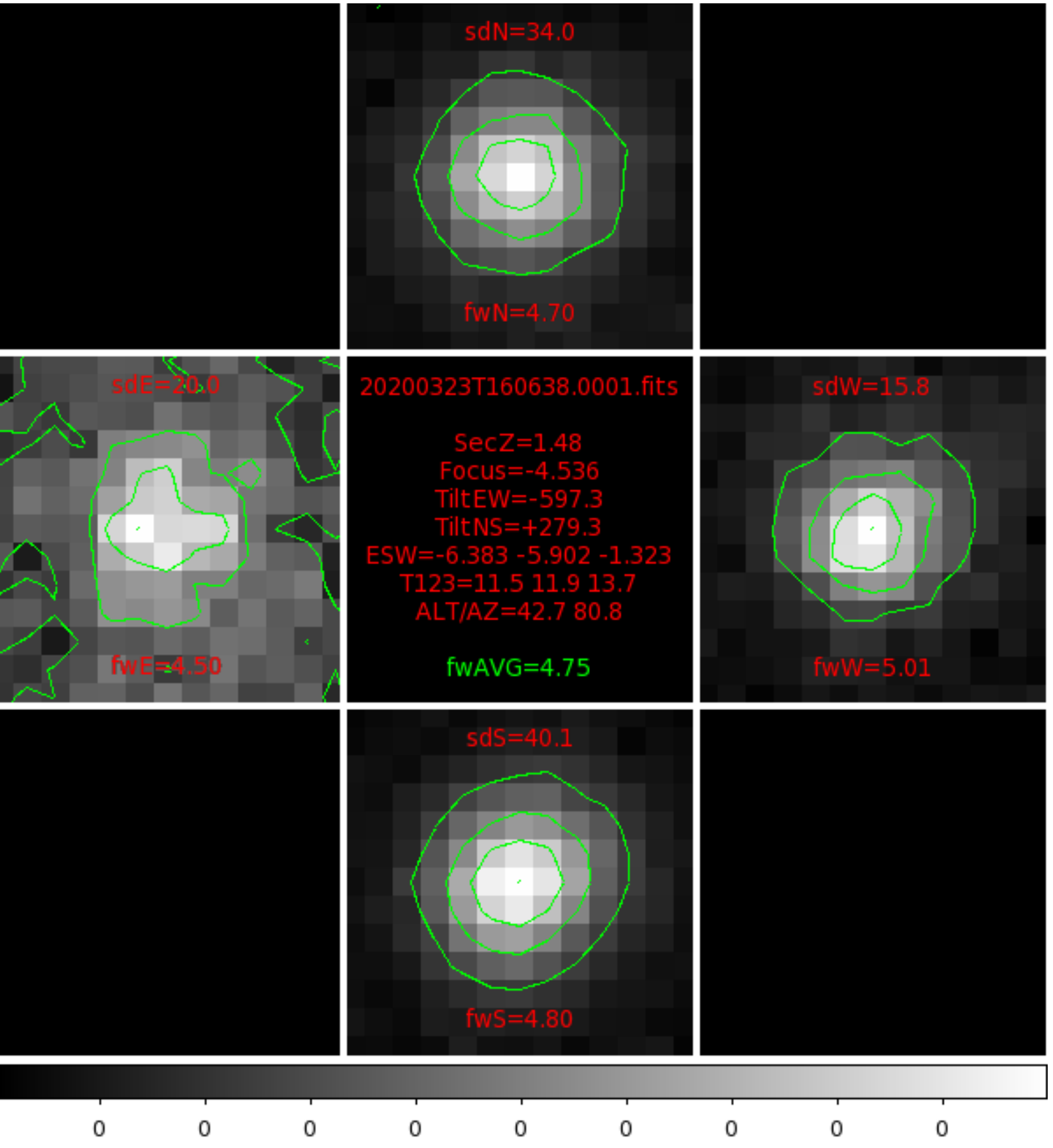
sdN=34.0
fwN=4.70
sdE=20.0
fwE=4.50
20200323T160638.0001.fits
SecZ=1.48
Focus=-4.536
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.383 -5.902 -1.323
T123=11.5 11.9 13.7
ALT/AZ=42.7 80.8
fwAVG=4.75
sdW=15.8
fwW=5.01
sdS=40.1
fwS=4.80
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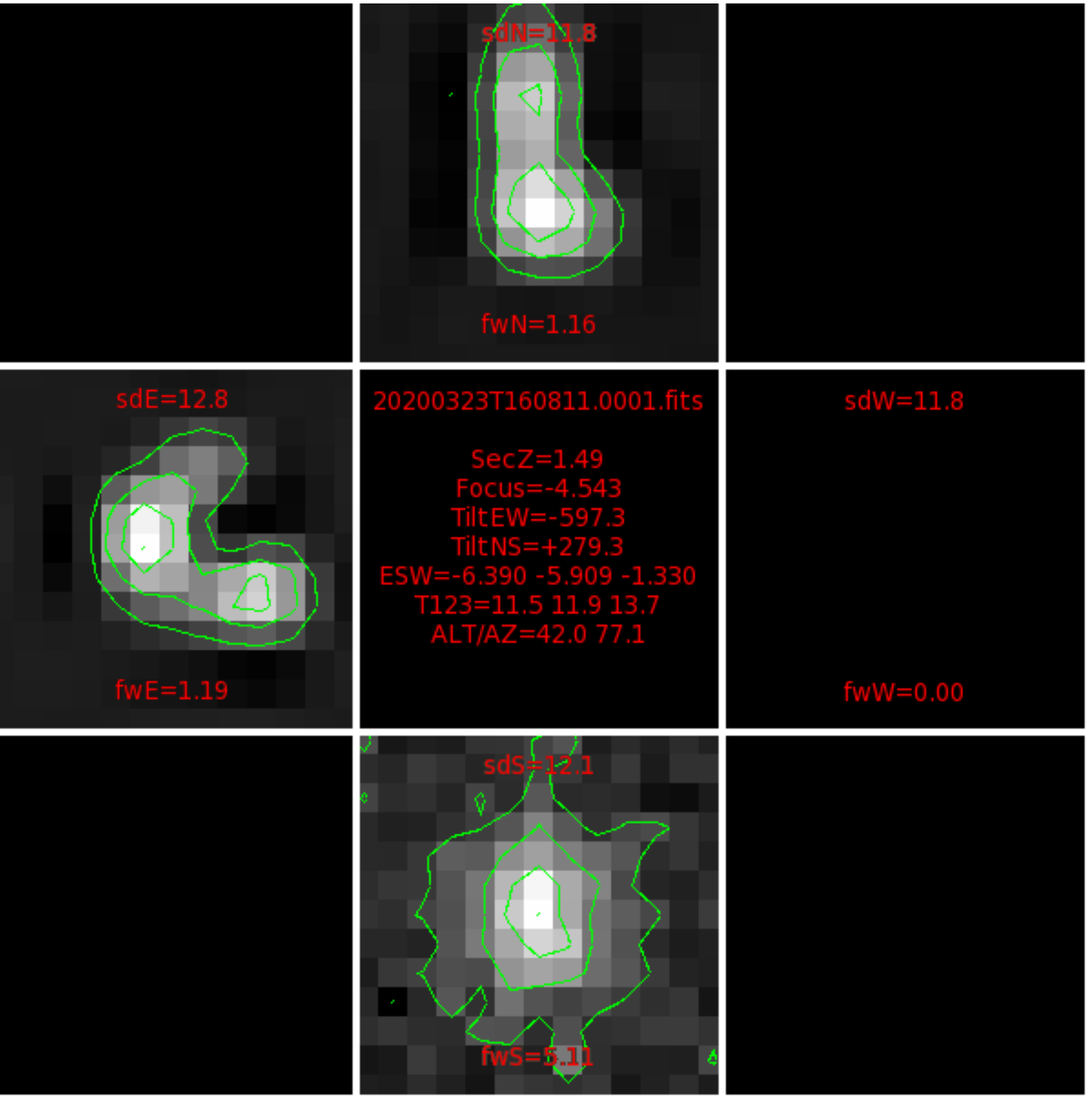
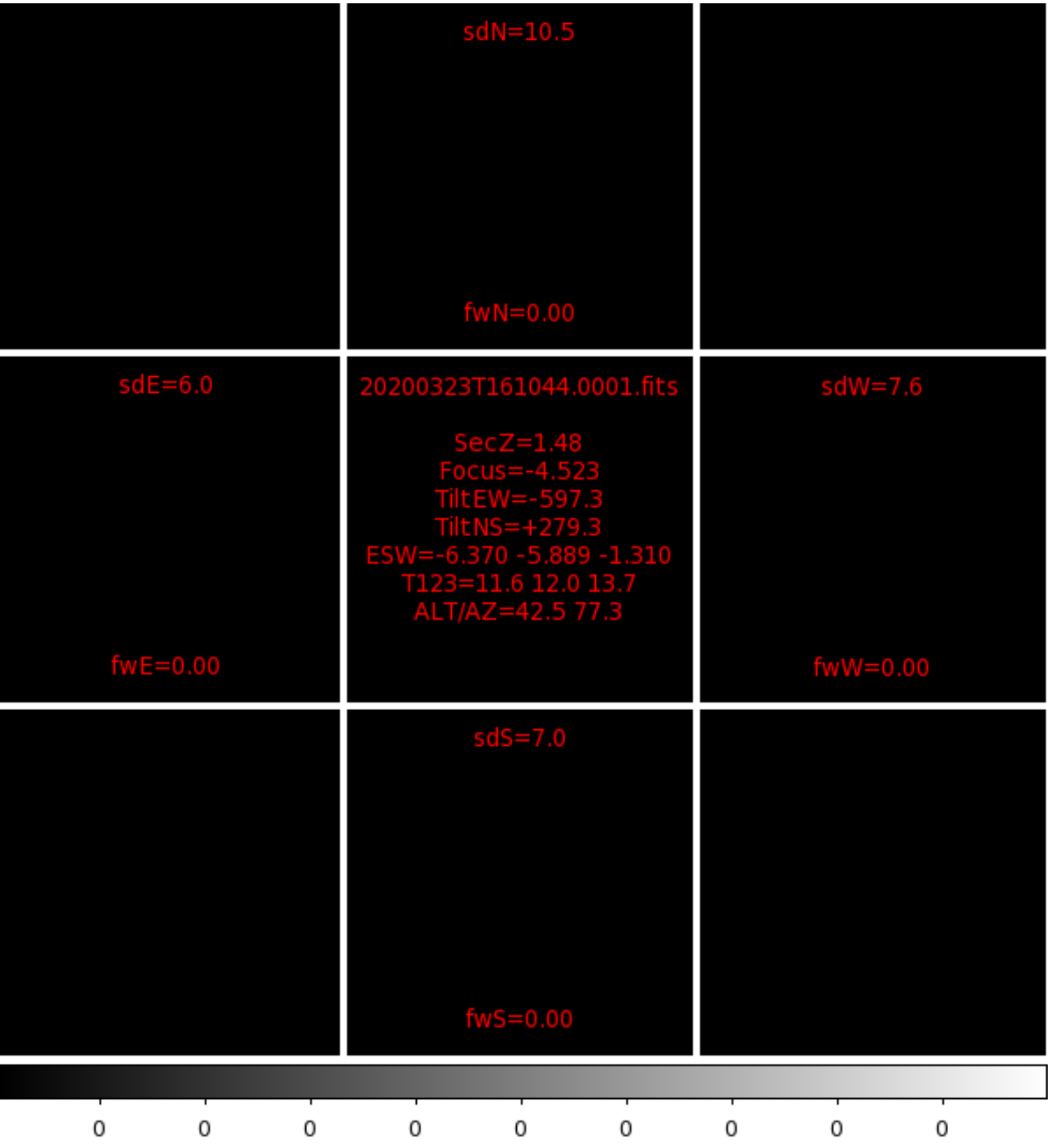

sdN=11.8
fwN=1.16
sdE=12.8
fwE=1.19
20200323T160811.0001.fits
SecZ=1.49
Focus=-4.543
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.390 -5.909 -1.330
T123=11.5 11.9 13.7
ALT/AZ=42.0 77.1
sdW=11.8
fwW=0.00
sdS=12.1
fwS=5.11
0 0 0 0 0 0 0 0 0

sdN=9.9
fwN=0.00
sdE=10.7
20200323T160836.0001.fits
SecZ=1.49
Focus=-4.543
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.390 -5.909 -1.330
T123=11.5 11.9 13.7
ALT/AZ=42.1 77.1
sdW=12.1
fwE=0.00
fwW=0.00
sdS=10.7
fwS=0.00
0 0 0 0 0 0 0 0 0

sdN=9.5
fwN=1.09
sdE=9.5
fwE=0.00
20200323T161020.0001.fits
SecZ=1.48
Focus=-4.523
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.370 -5.889 -1.310
T123=11.6 11.9 13.7
ALT/AZ=42.5 77.3
sdW=10.6
fwW=0.00
sdS=9.9
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=10.5
fwN=0.00
sdE=6.0
20200323T161044.0001.fits
SecZ=1.48
Focus=-4.523
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.370 -5.889 -1.310
T123=11.6 12.0 13.7
ALT/AZ=42.5 77.3
sdW=7.6
fwE=0.00
fwW=0.00
sdS=7.0
fwS=0.00
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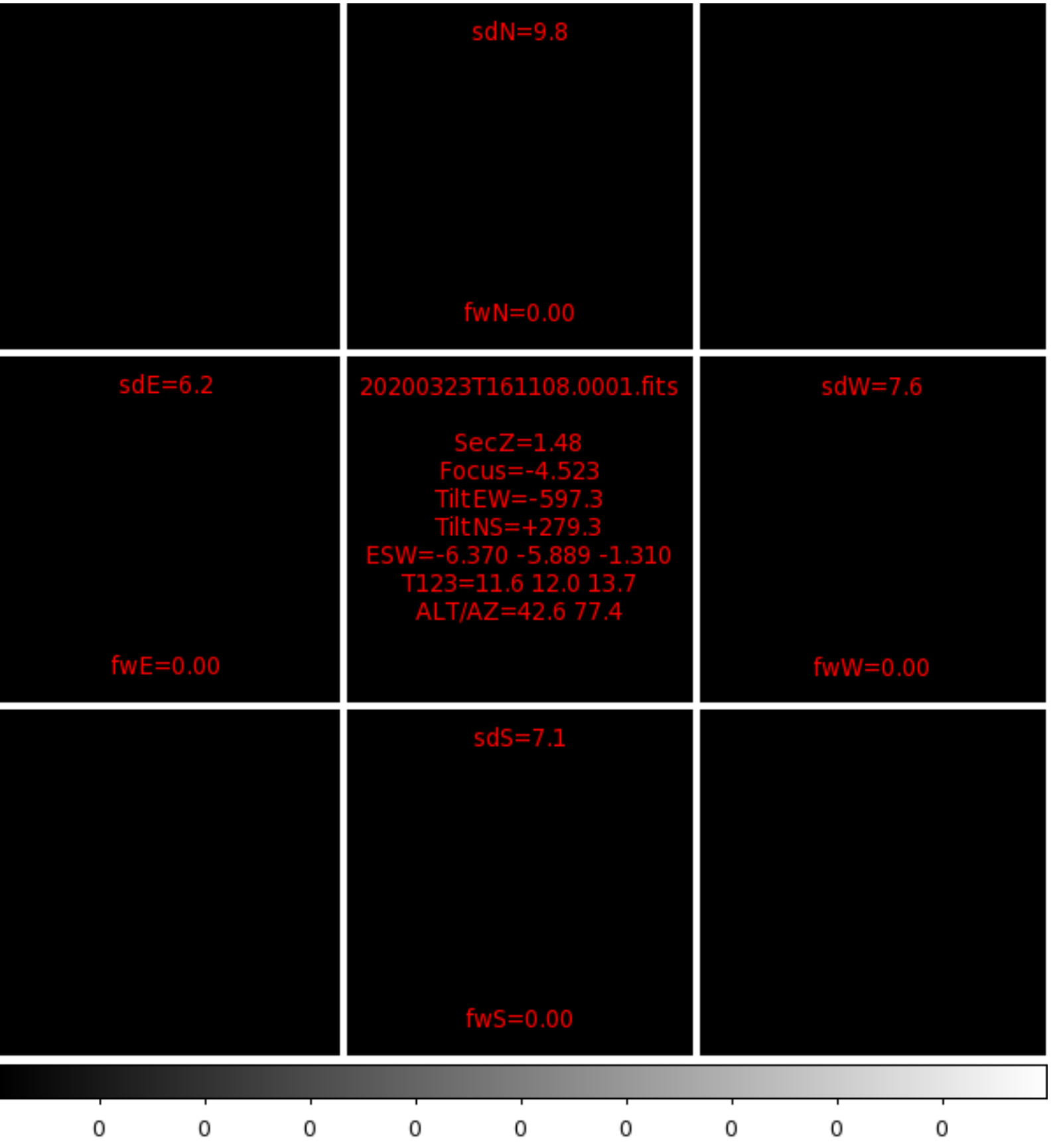
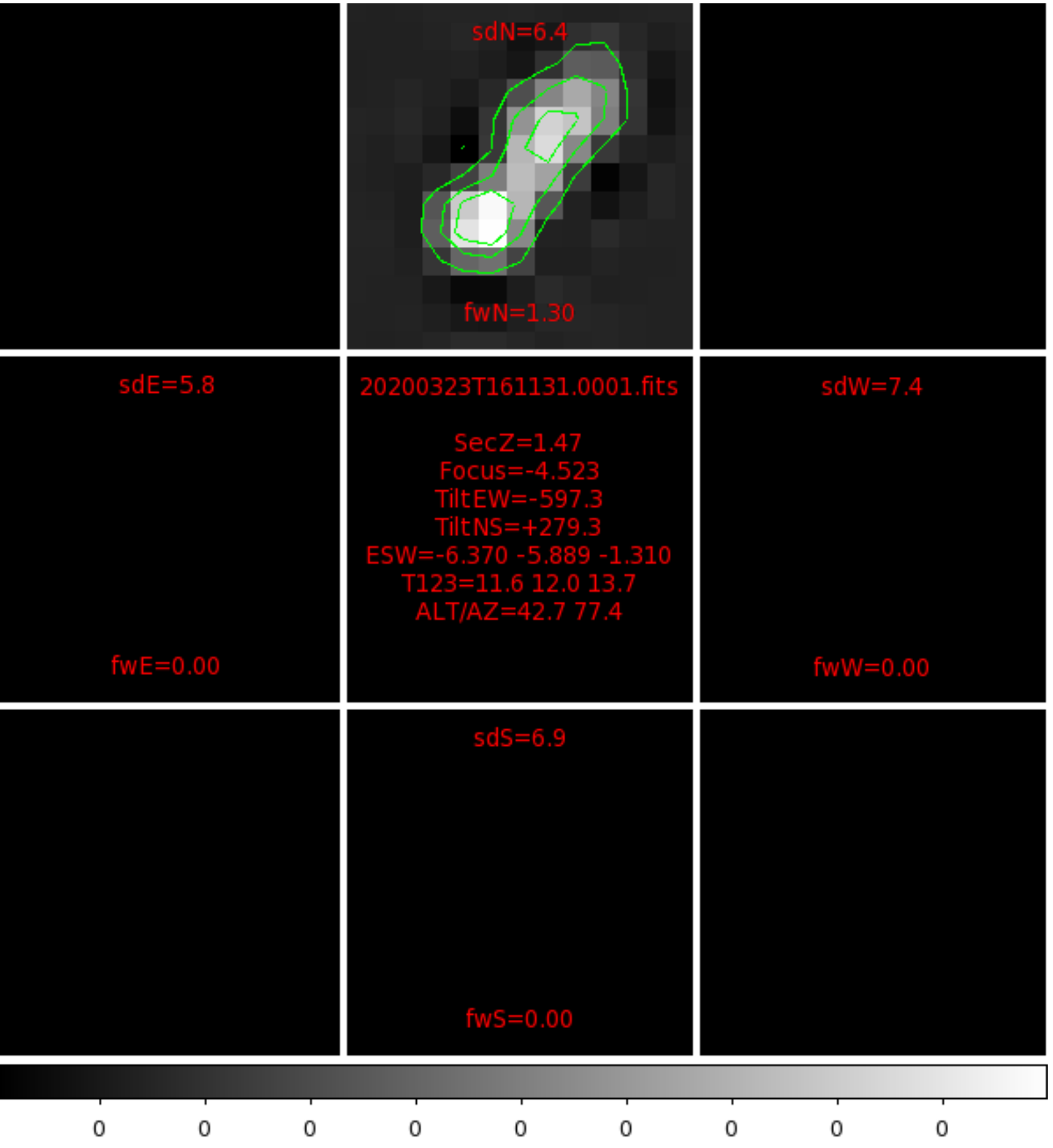
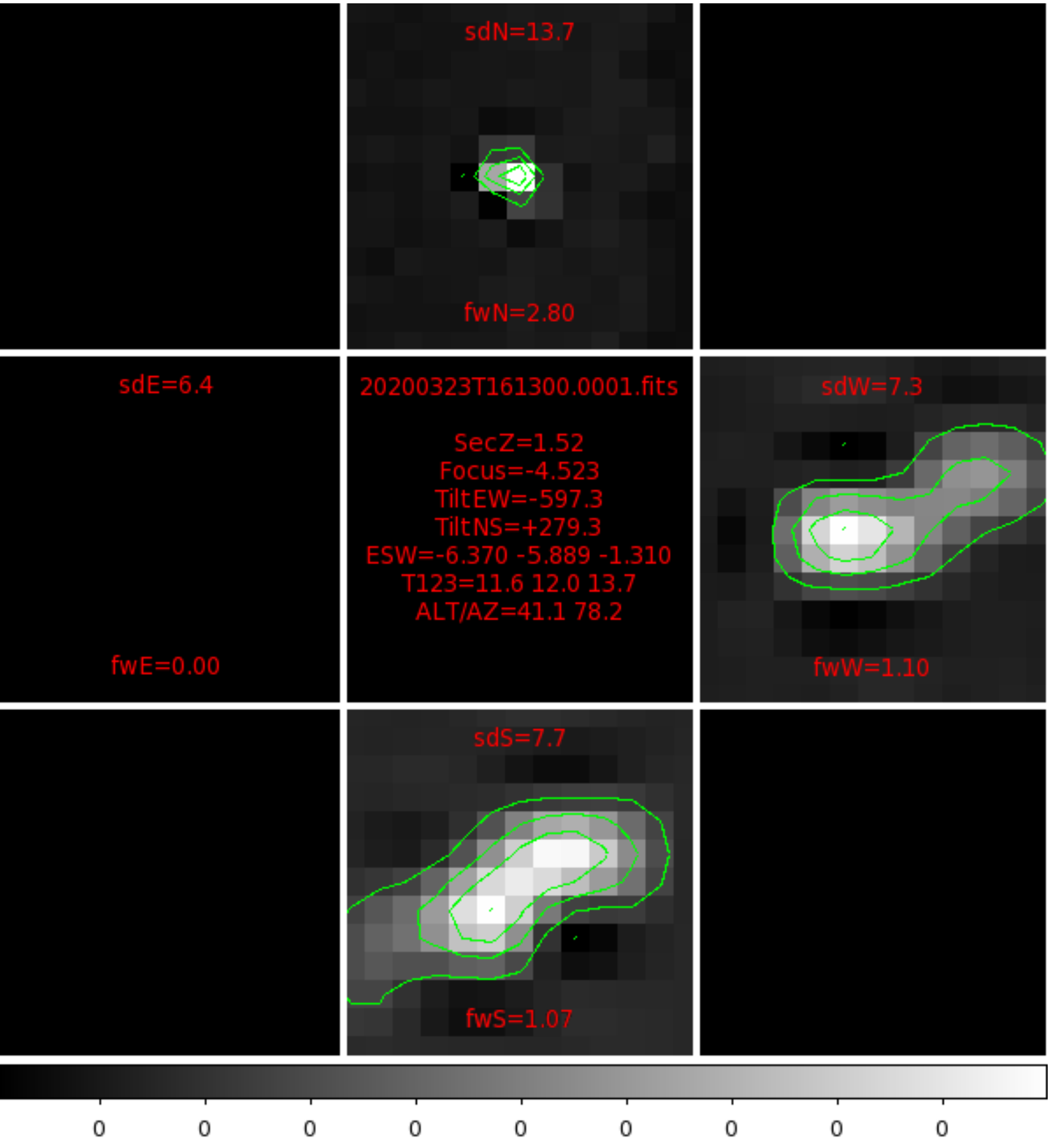

sdN=9.8
fwN=0.00
sdE=6.2
fwE=0.00
20200323T161108.0001.fits
SecZ=1.48
Focus=-4.523
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.370 -5.889 -1.310
T123=11.6 12.0 13.7
ALT/AZ=42.6 77.4
sdW=7.6
fwW=0.00
sdS=7.1
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=6.4
fwN=1.30
sdE=5.8
fwE=0.00
20200323T161131.0001.fits
SecZ=1.47
Focus=-4.523
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.370 -5.889 -1.310
T123=11.6 12.0 13.7
ALT/AZ=42.7 77.4
sdW=7.4
fwW=0.00
sdS=6.9
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=13.7
fwN=2.80
sdE=6.4
fwE=0.00
20200323T161300.0001.fits
SecZ=1.52
Focus=-4.523
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.370 -5.889 -1.310
T123=11.6 12.0 13.7
ALT/AZ=41.1 78.2
sdW=7.3
fwW=1.10
sdS=7.7
fwS=1.07
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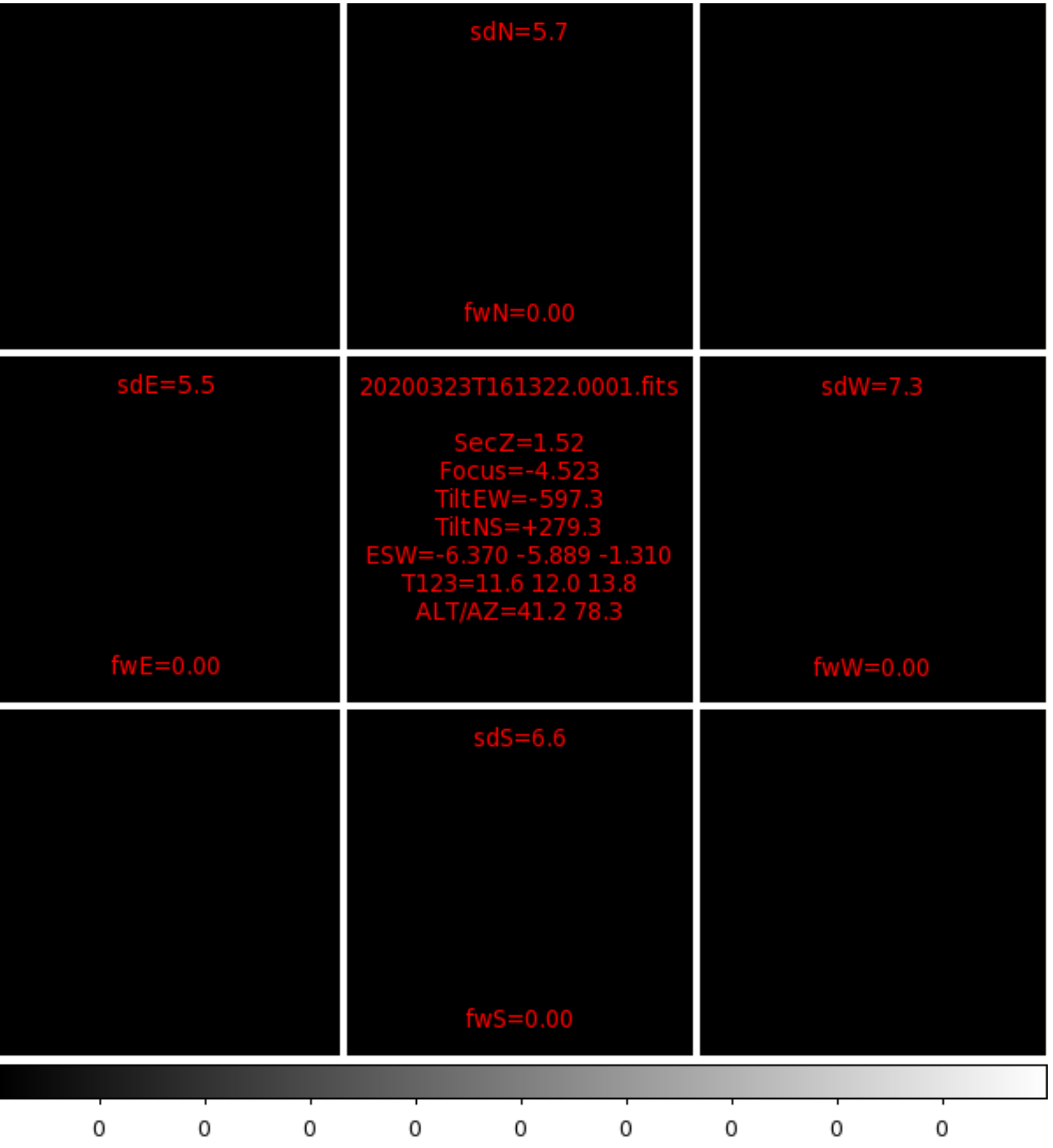
sdN=5.7
fwN=0.00
sdE=5.5
20200323T161322.0001.fits
SecZ=1.52
Focus=-4.523
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.370 -5.889 -1.310
T123=11.6 12.0 13.8
ALT/AZ=41.2 78.3
sdW=7.3
fwE=0.00
fwW=0.00
sdS=6.6
fwS=0.00
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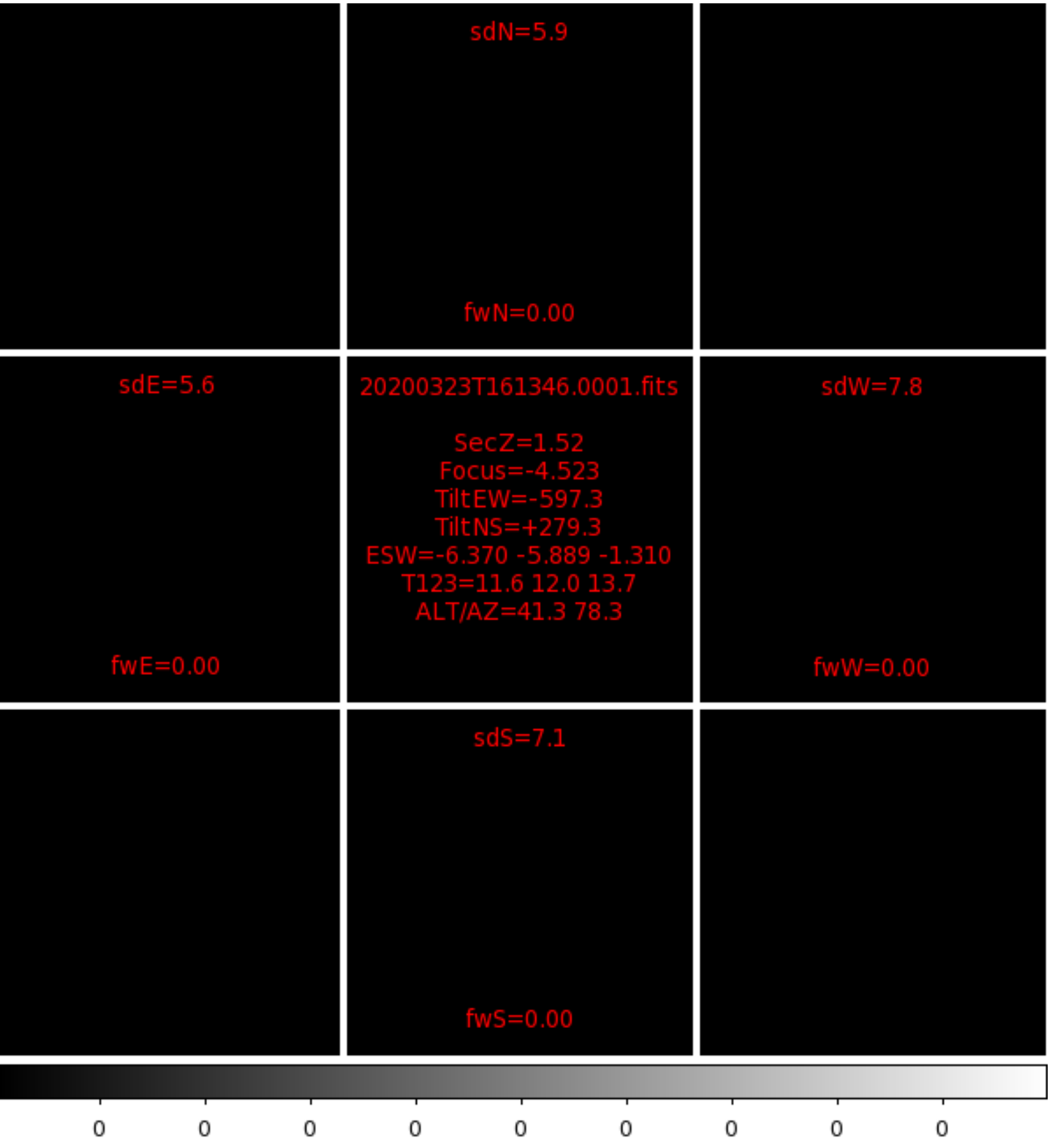
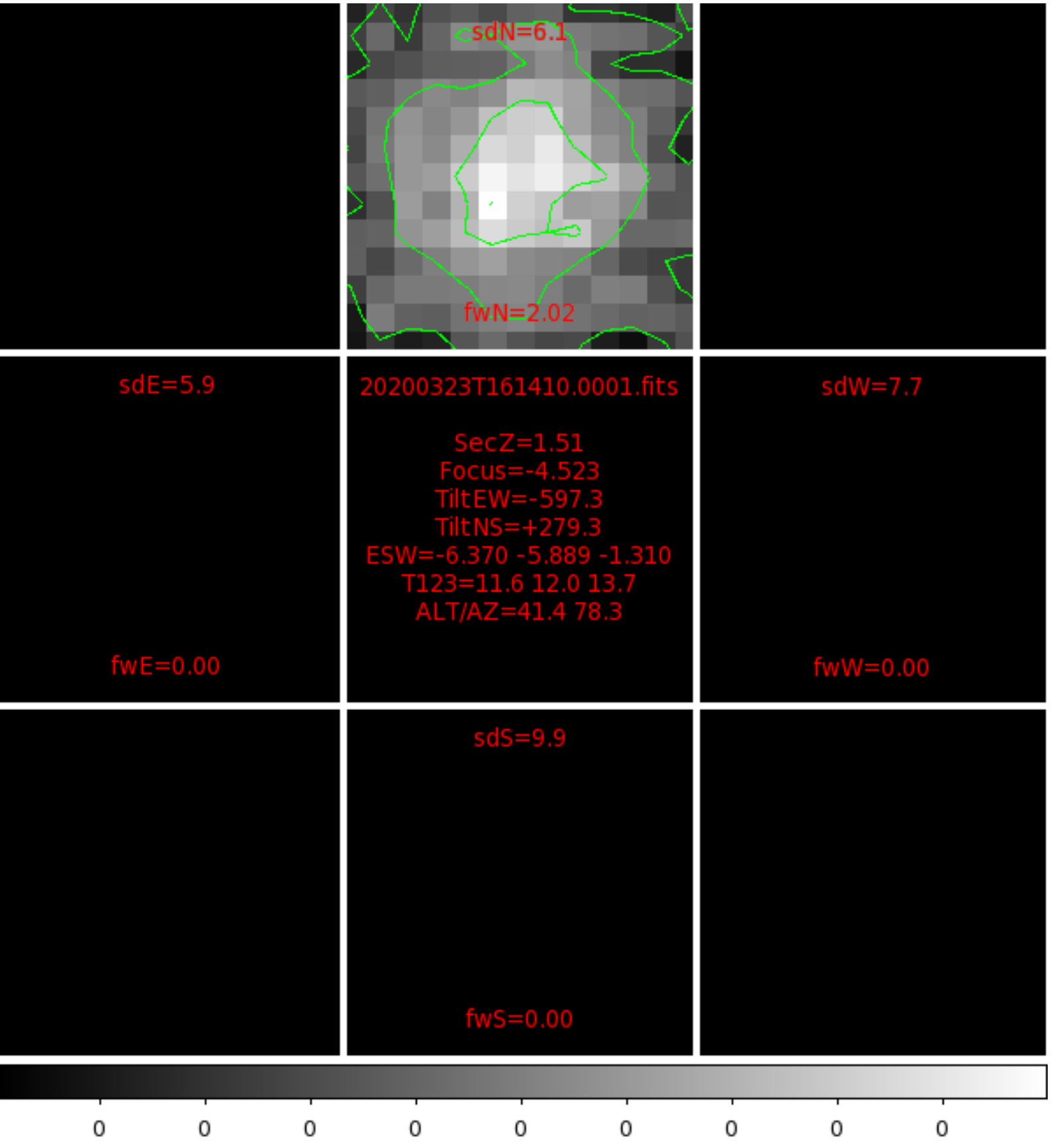

sdN=5.9
fwN=0.00
sdE=5.6
20200323T161346.0001.fits
SecZ=1.52
Focus=-4.523
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.370 -5.889 -1.310
T123=11.6 12.0 13.7
ALT/AZ=41.3 78.3
sdW=7.8
fwE=0.00
fwW=0.00
sdS=7.1
fwS=0.00
0 0 0 0 0 0 0 0 0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fwN=2.02
sdE=5.9
20200323T161410.0001.fits
SecZ=1.51
Focus=-4.523
TiltEW=-597.3
TiltNS=+279.3
ESW=-6.370 -5.889 -1.310
T123=11.6 12.0 13.7
ALT/AZ=41.4 78.3
sdW=7.7
fwE=0.00
fwW=0.00
sdS=9.9
fwS=0.00
0 0 0 0 0 0 0 0 0