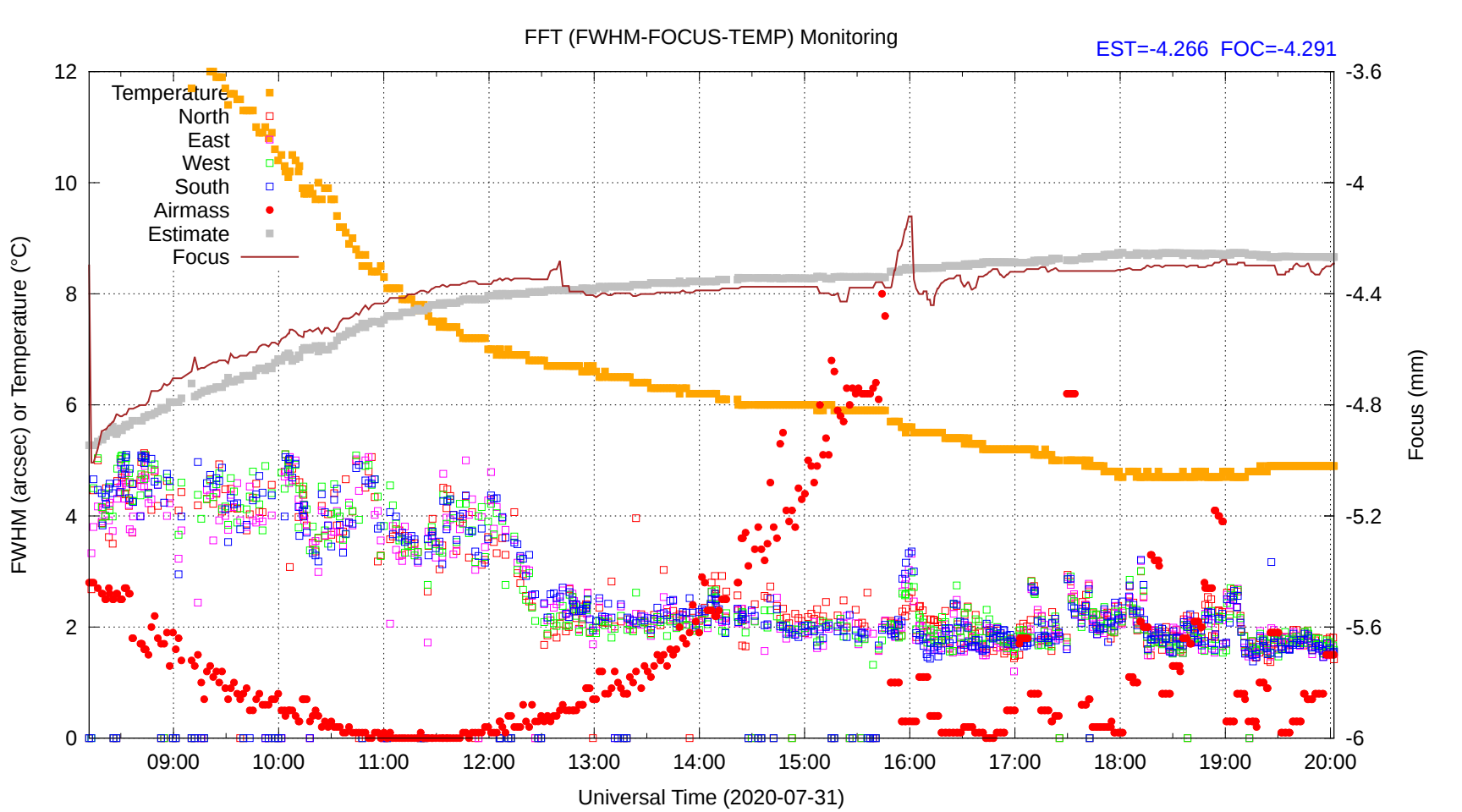
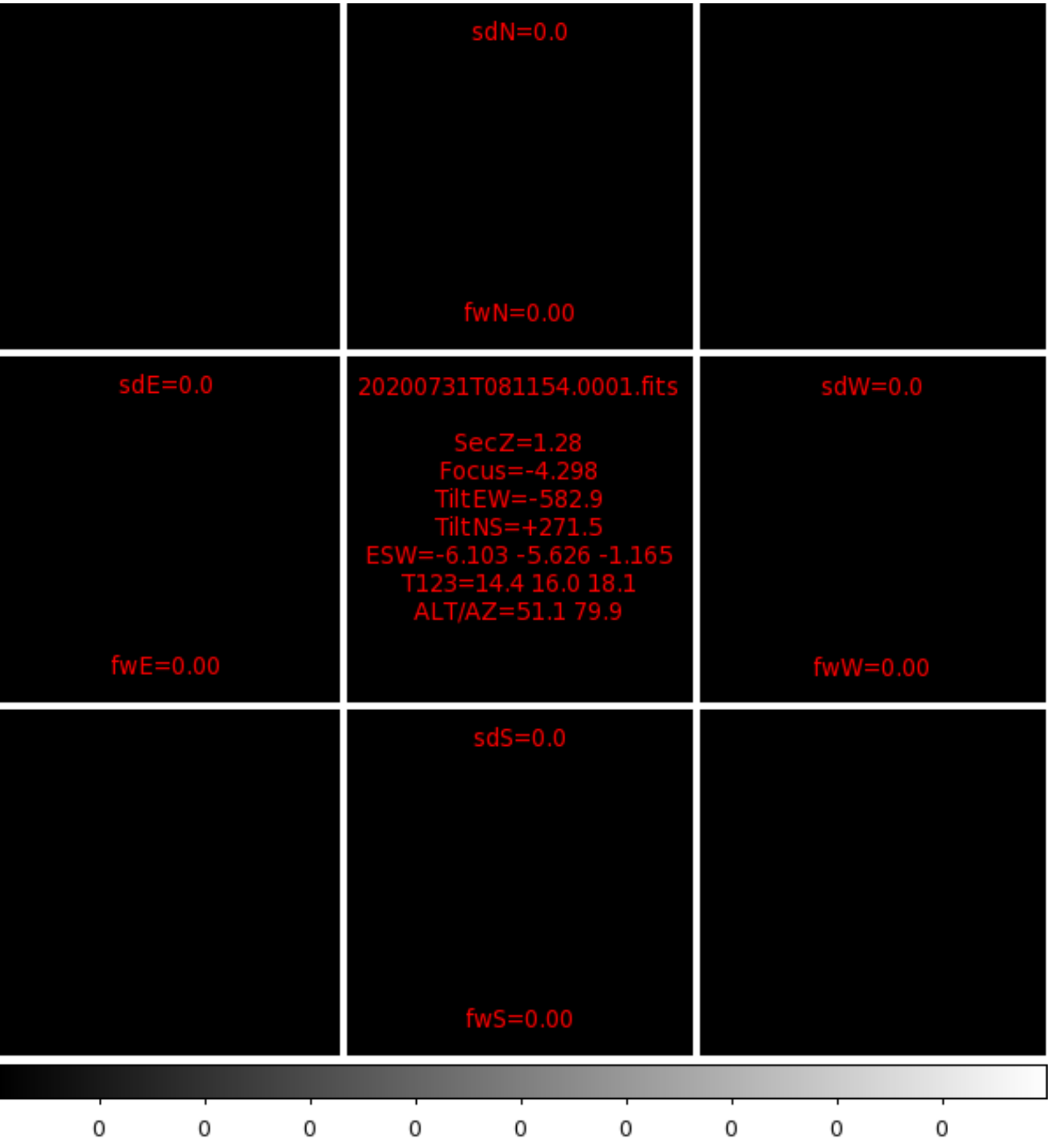

FFT (FWHM-FOCUS-TEMP) Monitoring
EST=-4.266 FOC=-4.291
Temperature
North
East
West
South
Airmass
Estimate
Focus
FWHM (arcsec) or Temperature (°C)
Focus (mm)
Universal Time (2020-07-31)
0
2
4
6
8
10
12
-3.6
-4
-4.4
-4.8
-5.2
-5.6
-6
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00


sdN=0.0
fwN=0.00
sdE=0.0
20200731T081154.0001.fits
SecZ=1.28
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=14.4 16.0 18.1
ALT/AZ=51.1 79.9
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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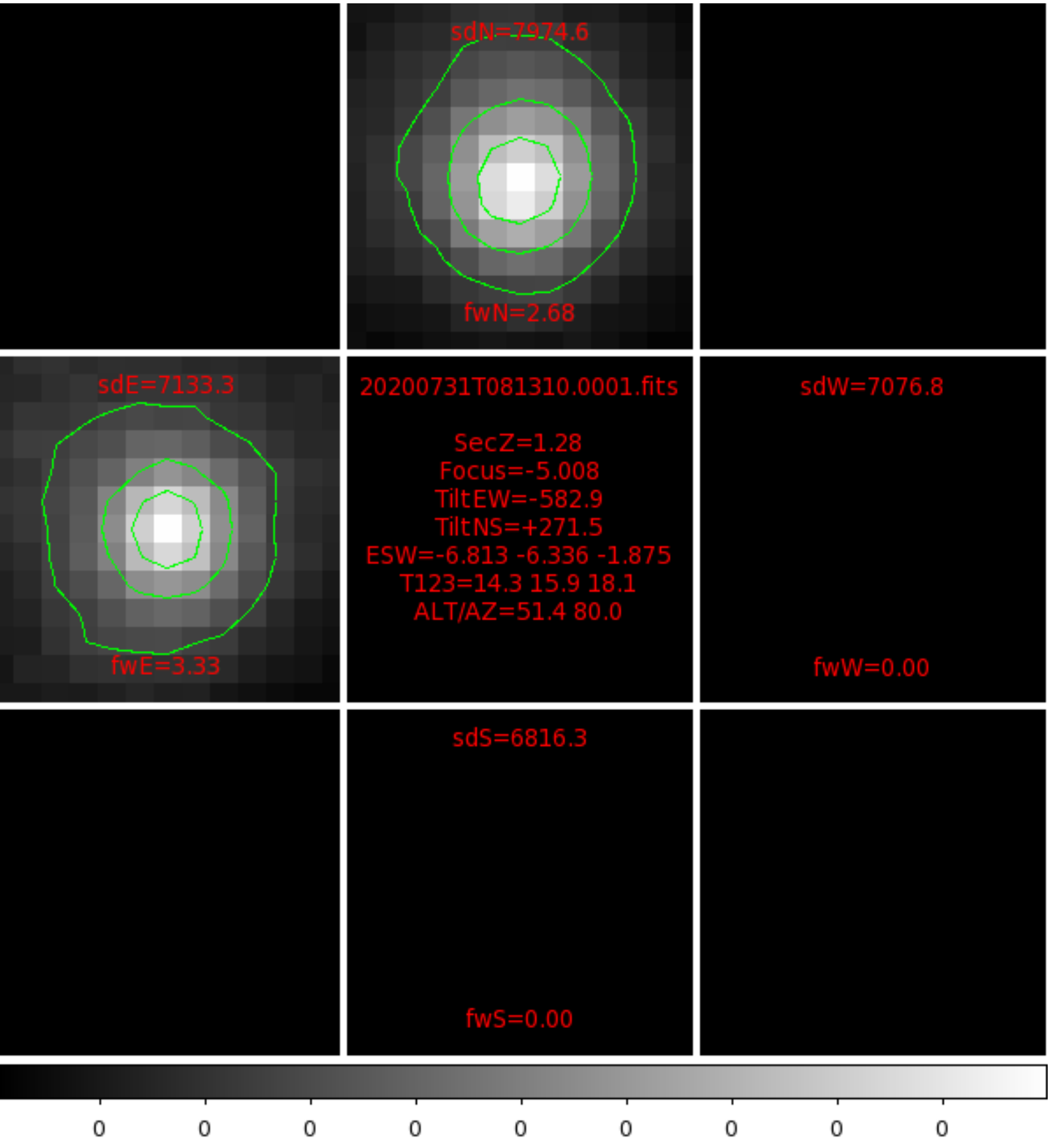
sdN=7974.6
fwN=2.68
sdE=7133.3
fwE=3.33
20200731T081310.0001.fits
SecZ=1.28
Focus=-5.008
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.813 -6.336 -1.875
T123=14.3 15.9 18.1
ALT/AZ=51.4 80.0
sdW=7076.8
fwW=0.00
sdS=6816.3
fwS=0.00
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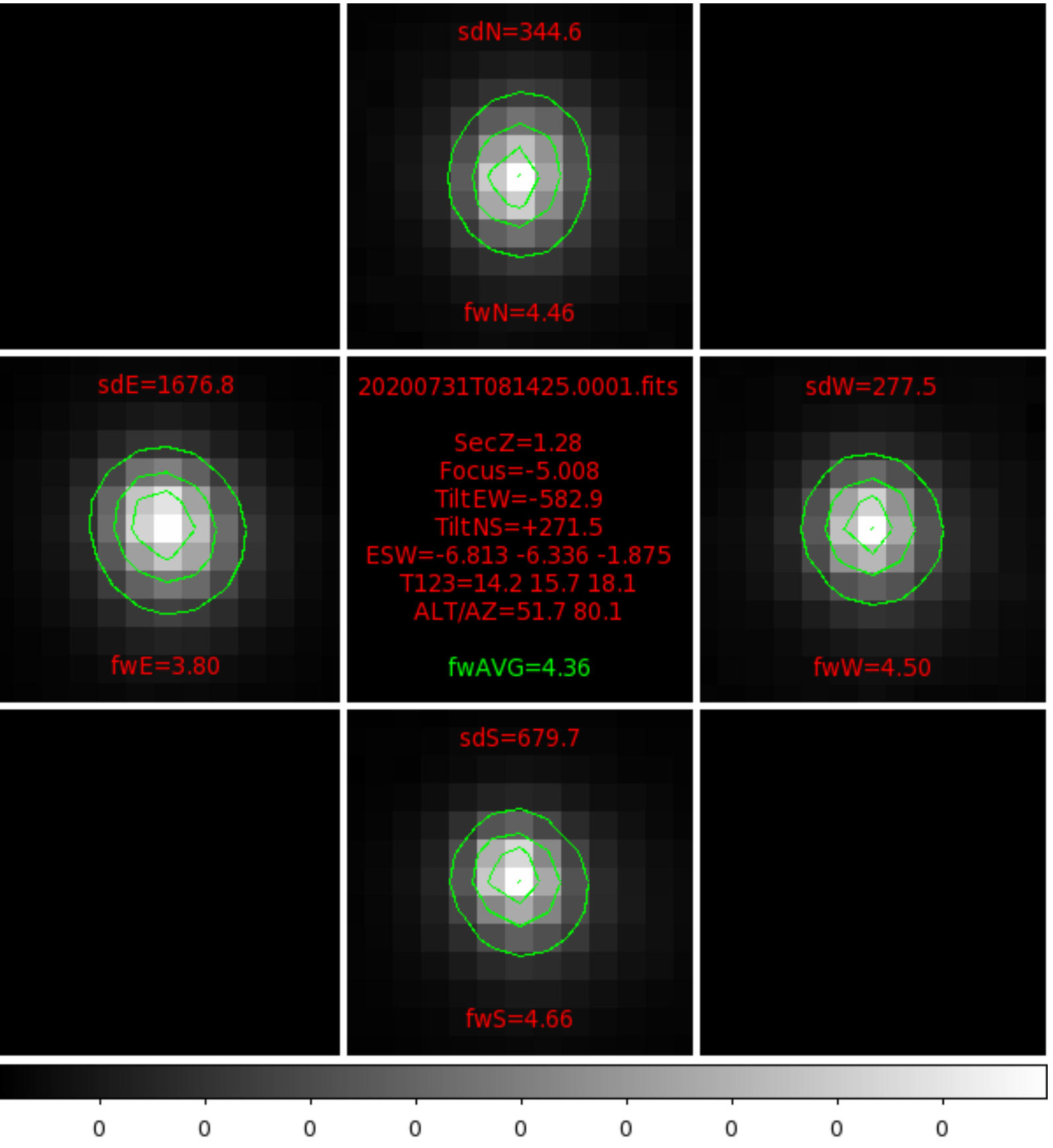
sdN=344.6
fwN=4.46
sdE=1676.8
fwE=3.80
20200731T081425.0001.fits
SecZ=1.28
Focus=-5.008
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.813 -6.336 -1.875
T123=14.2 15.7 18.1
ALT/AZ=51.7 80.1
fwAVG=4.36
sdW=277.5
fwW=4.50
sdS=679.7
fwS=4.66
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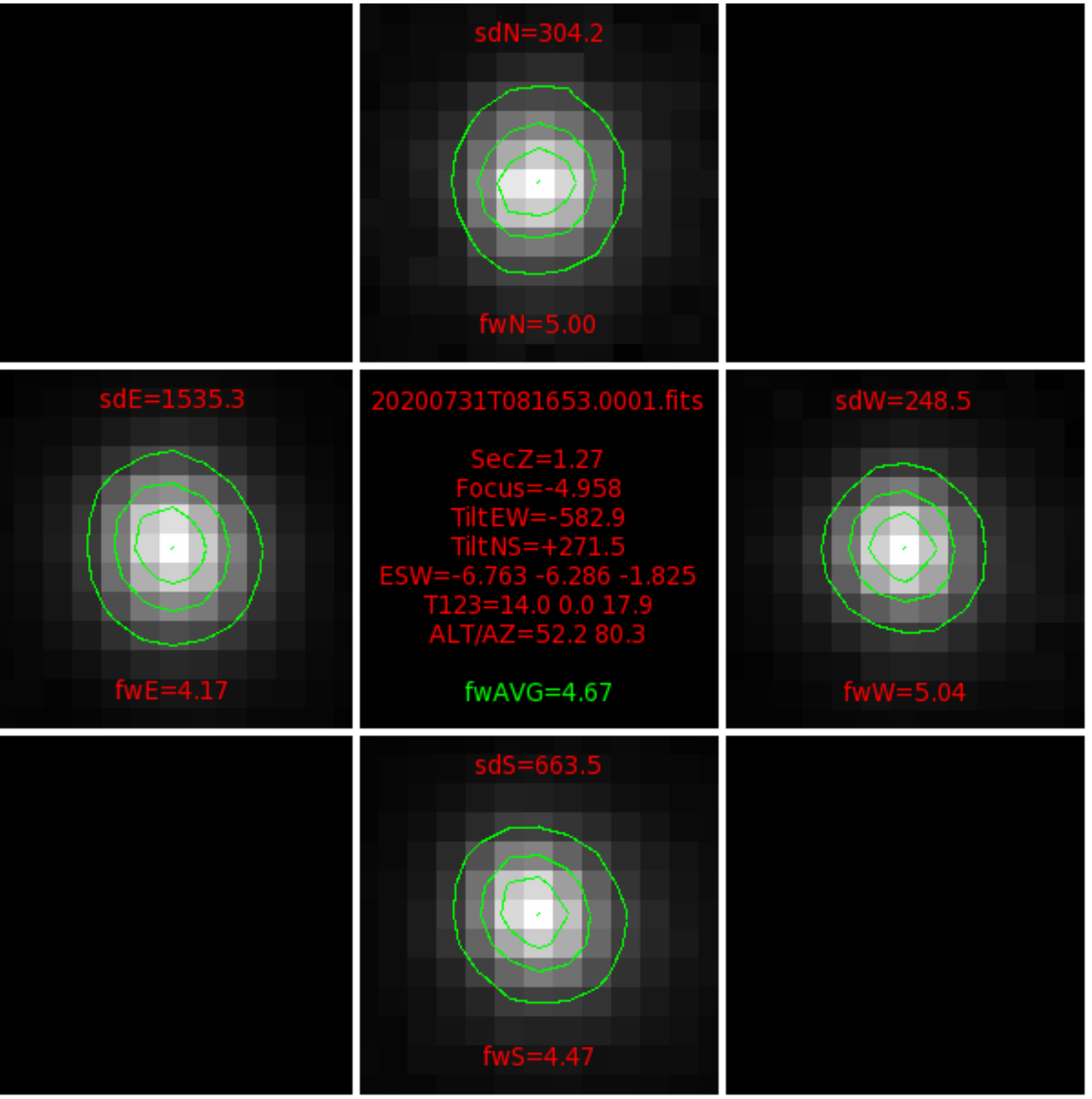
sdN=304.2
fwN=5.00
sdE=1535.3
fwE=4.17
20200731T081653.0001.fits
SecZ=1.27
Focus=-4.958
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.763 -6.286 -1.825
T123=14.0 0.0 17.9
ALT/AZ=52.2 80.3
fwAVG=4.67
sdW=248.5
fwW=5.04
sdS=663.5
fwS=4.47
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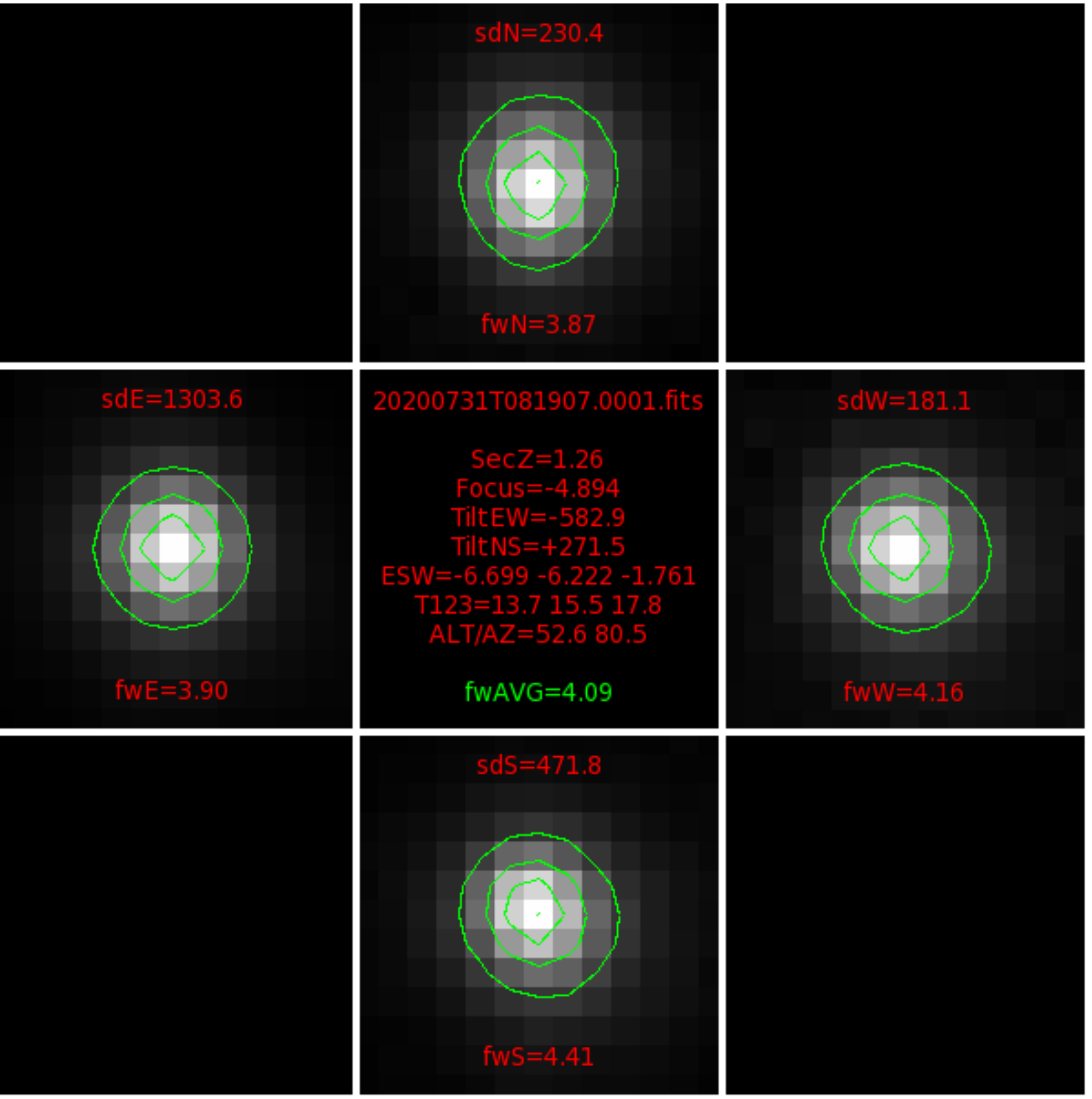
sdN=230.4
fwN=3.87
sdE=1303.6
fwE=3.90
20200731T081907.0001.fits
SecZ=1.26
Focus=-4.894
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.699 -6.222 -1.761
T123=13.7 15.5 17.8
ALT/AZ=52.6 80.5
fwAVG=4.09
sdW=181.1
fwW=4.16
sdS=471.8
fwS=4.41
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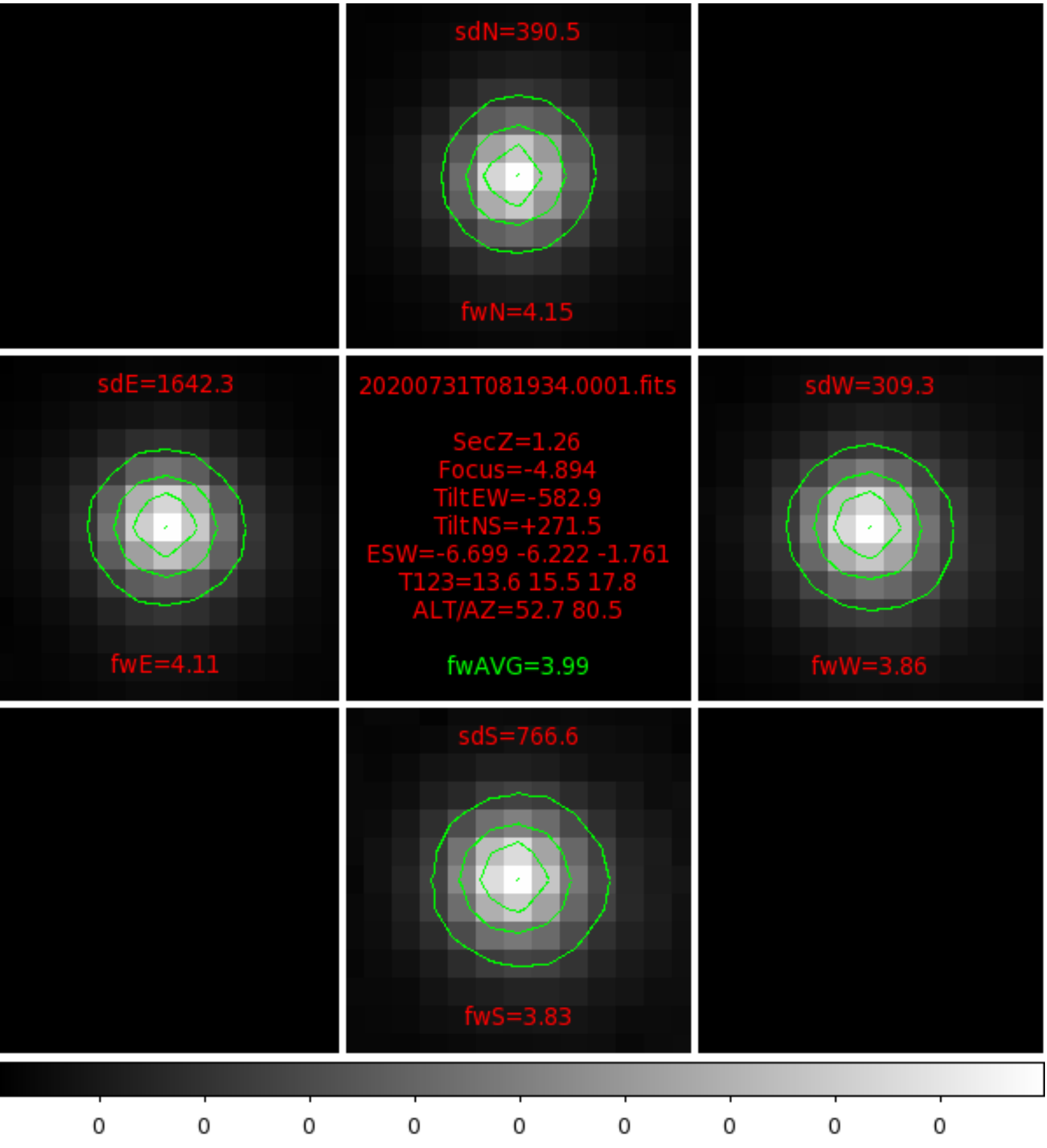
sdN=390.5
fwN=4.15
sdE=1642.3
fwE=4.11
20200731T081934.0001.fits
SecZ=1.26
Focus=-4.894
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.699 -6.222 -1.761
T123=13.6 15.5 17.8
ALT/AZ=52.7 80.5
fwAVG=3.99
sdW=309.3
fwW=3.86
sdS=766.6
fwS=3.83
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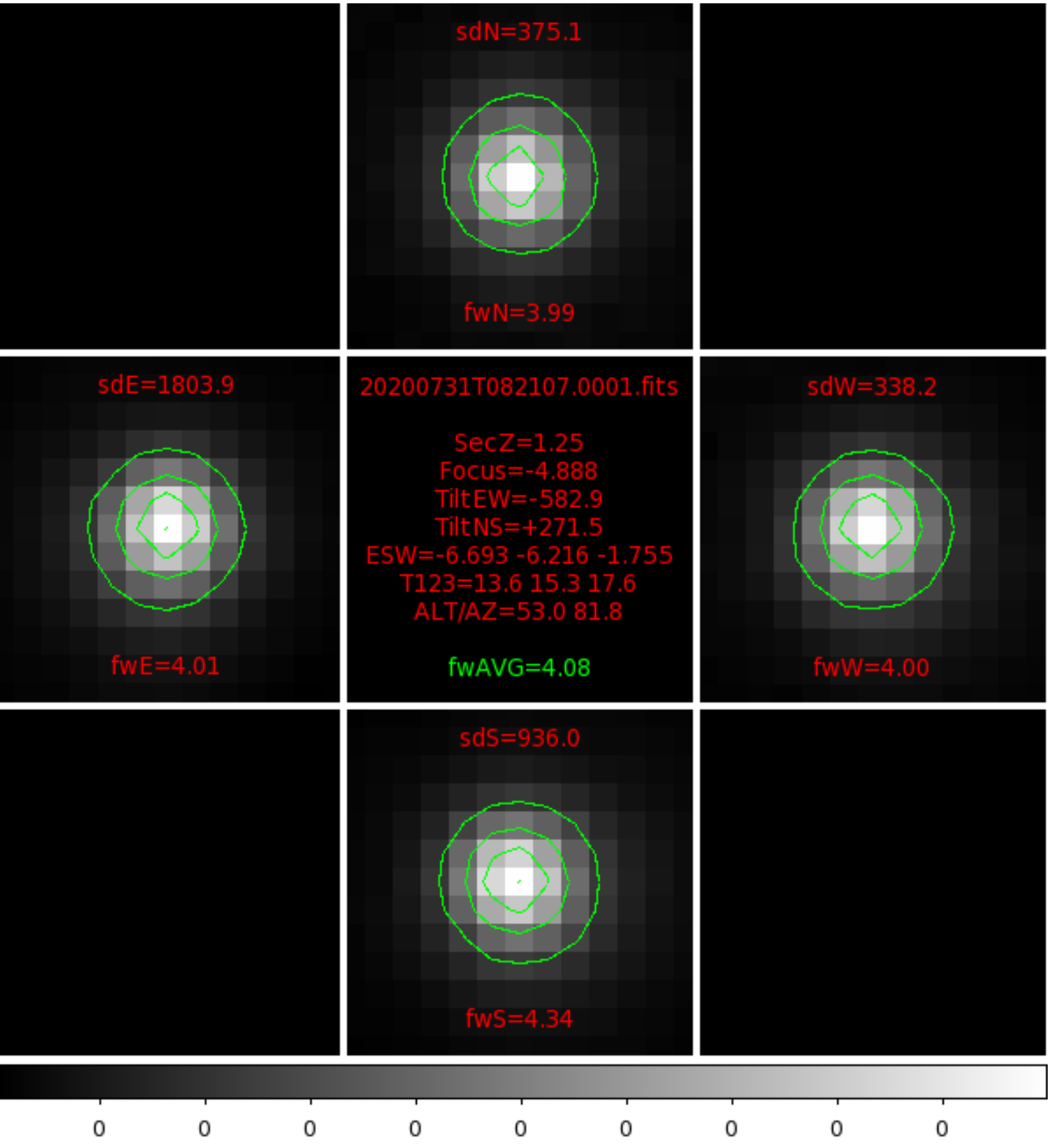
sdN=375.1
fwN=3.99
sdE=1803.9
fwE=4.01
20200731T082107.0001.fits
SecZ=1.25
Focus=-4.888
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.693 -6.216 -1.755
T123=13.6 15.3 17.6
ALT/AZ=53.0 81.8
fwAVG=4.08
sdW=338.2
fwW=4.00
sdS=936.0
fwS=4.34
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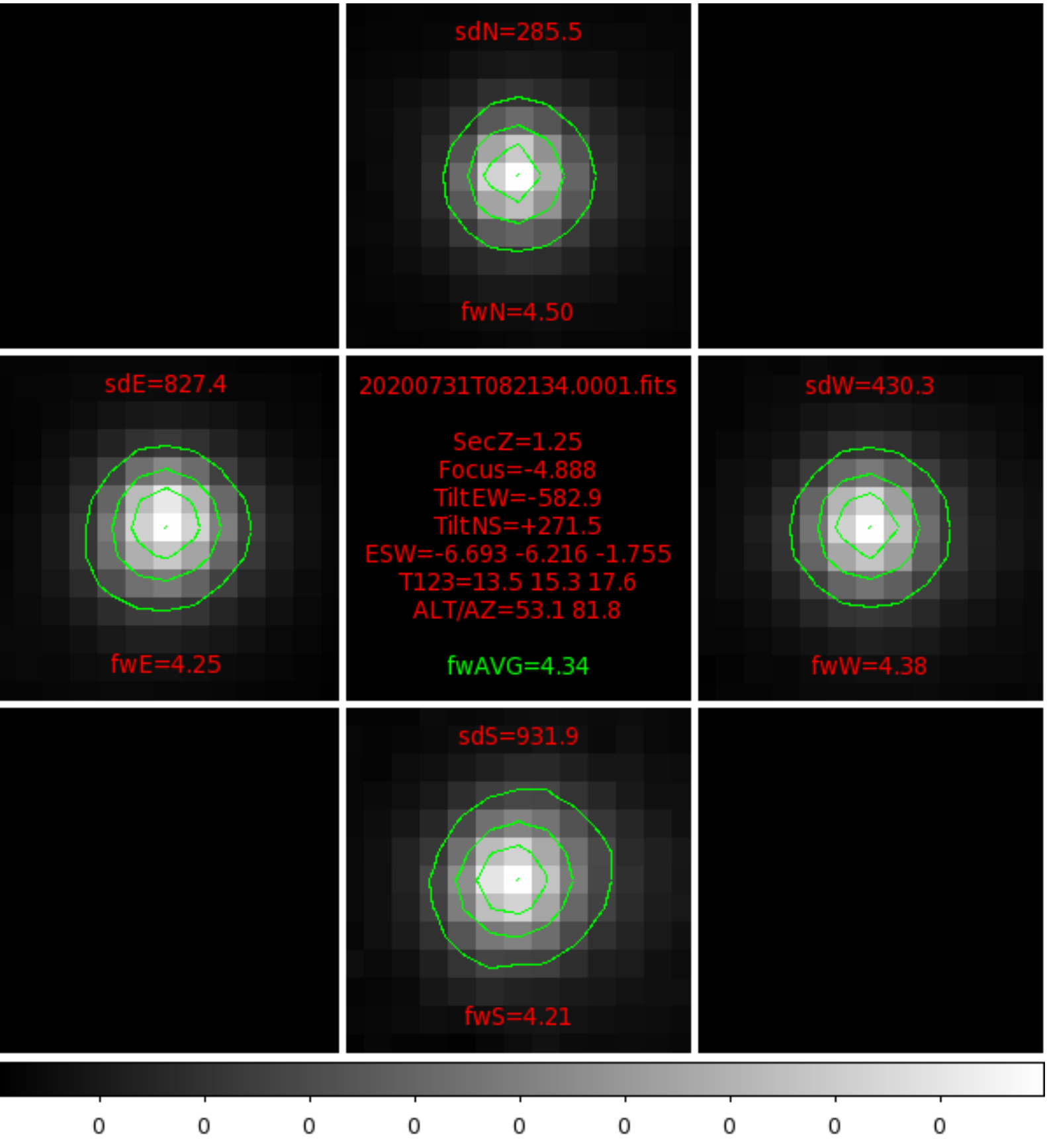
sdN=285.5
fwN=4.50
sdE=827.4
fwE=4.25
20200731T082134.0001.fits
SecZ=1.25
Focus=-4.888
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.693 -6.216 -1.755
T123=13.5 15.3 17.6
ALT/AZ=53.1 81.8
fwAVG=4.34
sdW=430.3
fwW=4.38
sdS=931.9
fwS=4.21
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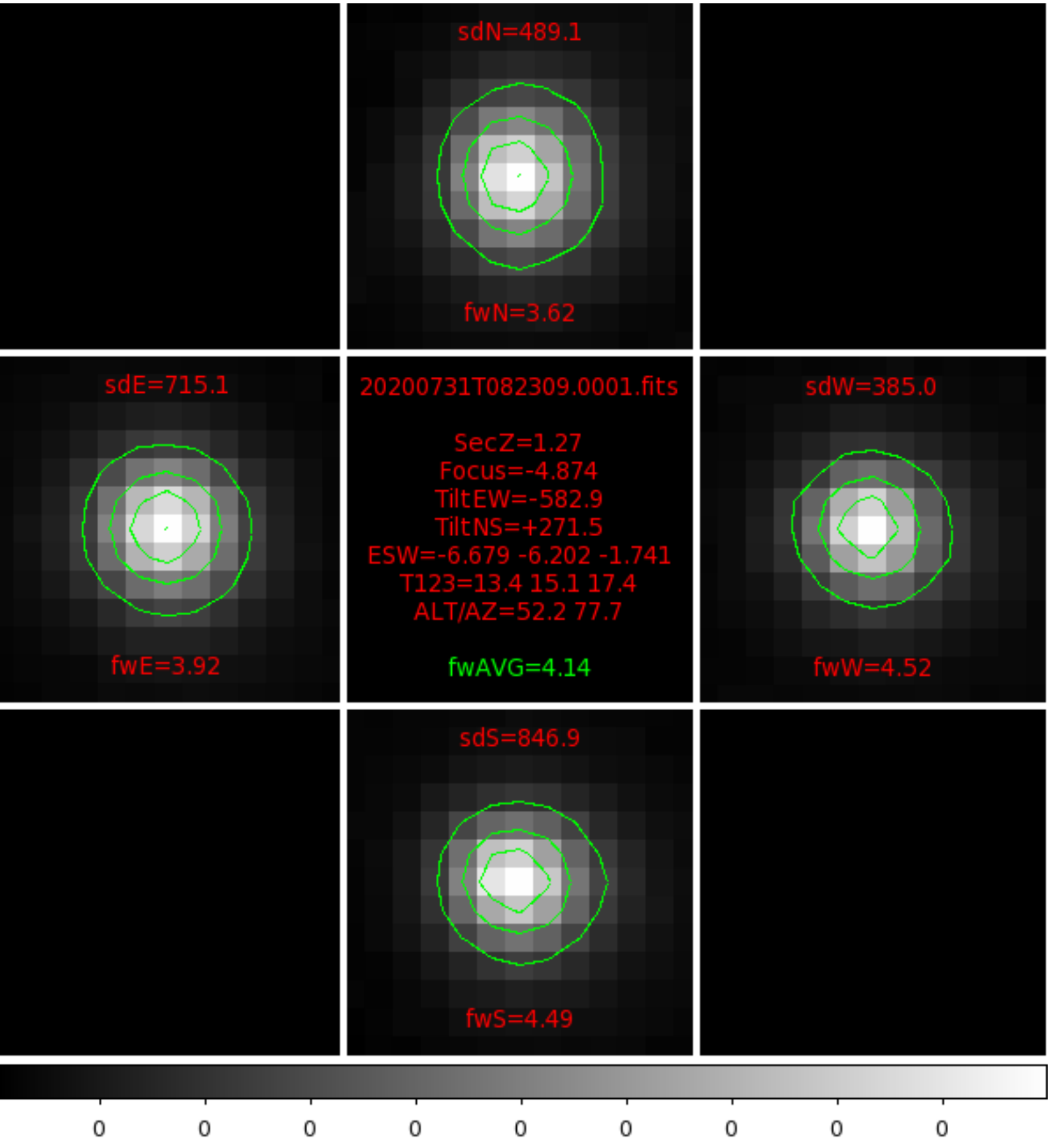
sdN=489.1
fwN=3.62
sdE=715.1
fwE=3.92
20200731T082309.0001.fits
SecZ=1.27
Focus=-4.874
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.679 -6.202 -1.741
T123=13.4 15.1 17.4
ALT/AZ=52.2 77.7
fwAVG=4.14
sdW=385.0
fwW=4.52
sdS=846.9
fwS=4.49
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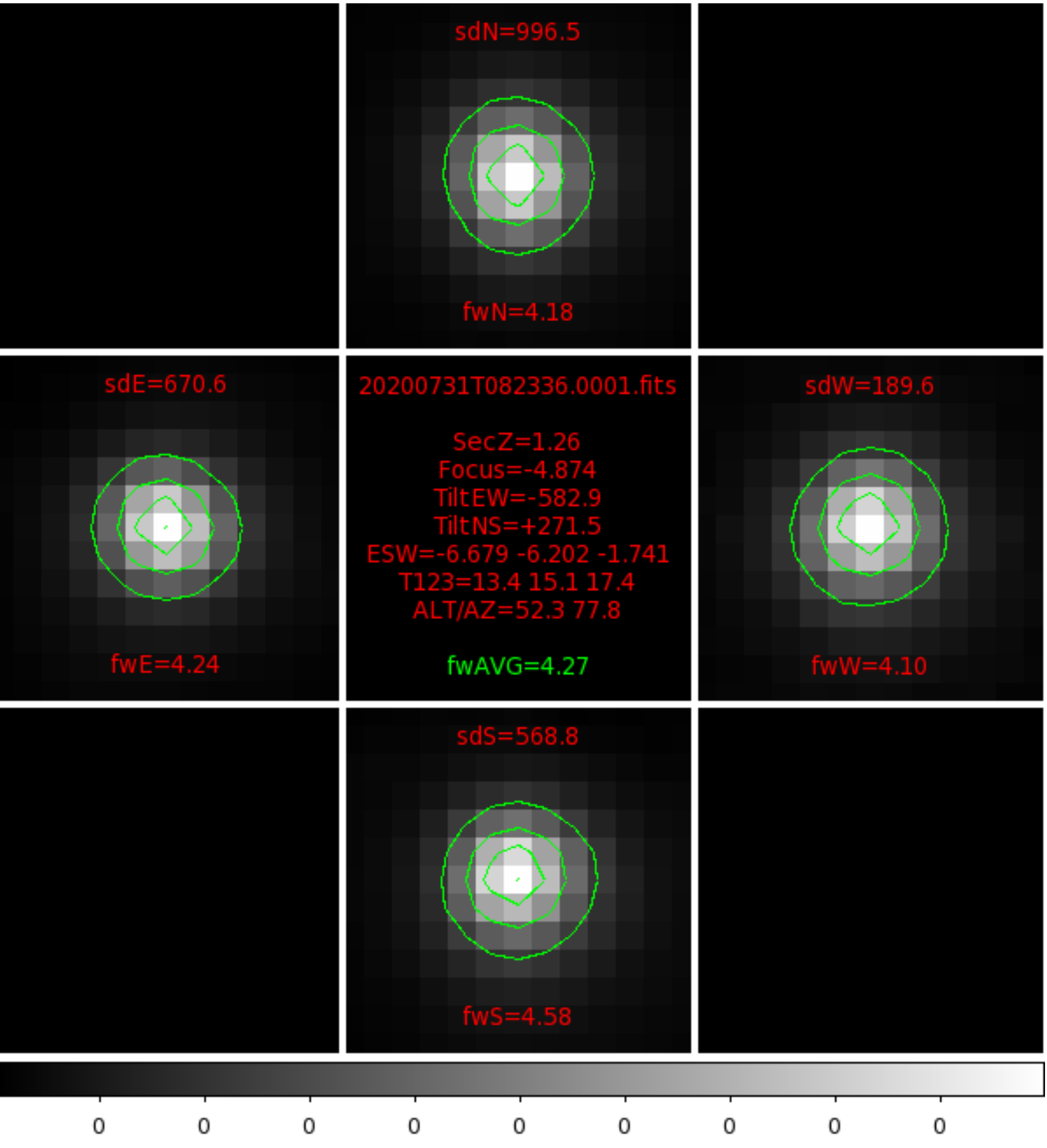
sdN=996.5
fwN=4.18
sdE=670.6
fwE=4.24
20200731T082336.0001.fits
SecZ=1.26
Focus=-4.874
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.679 -6.202 -1.741
T123=13.4 15.1 17.4
ALT/AZ=52.3 77.8
fwAVG=4.27
sdW=189.6
fwW=4.10
sdS=568.8
fwS=4.58
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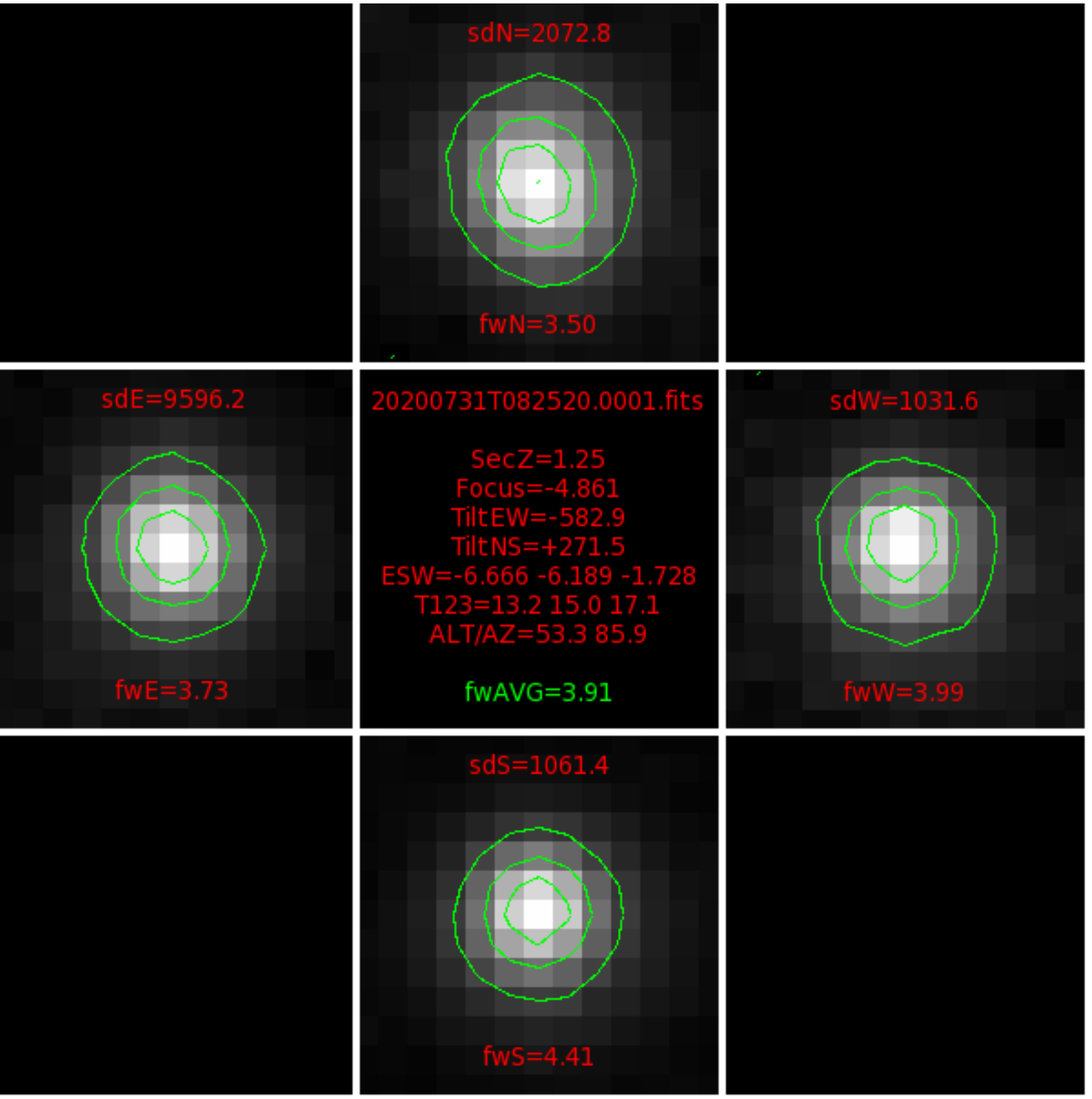
sdN=2072.8
fwN=3.50
sdE=9596.2
fwE=3.73
20200731T082520.0001.fits
SecZ=1.25
Focus=-4.861
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.666 -6.189 -1.728
T123=13.2 15.0 17.1
ALT/AZ=53.3 85.9
fwAVG=3.91
sdW=1031.6
fwW=3.99
sdS=1061.4
fwS=4.41
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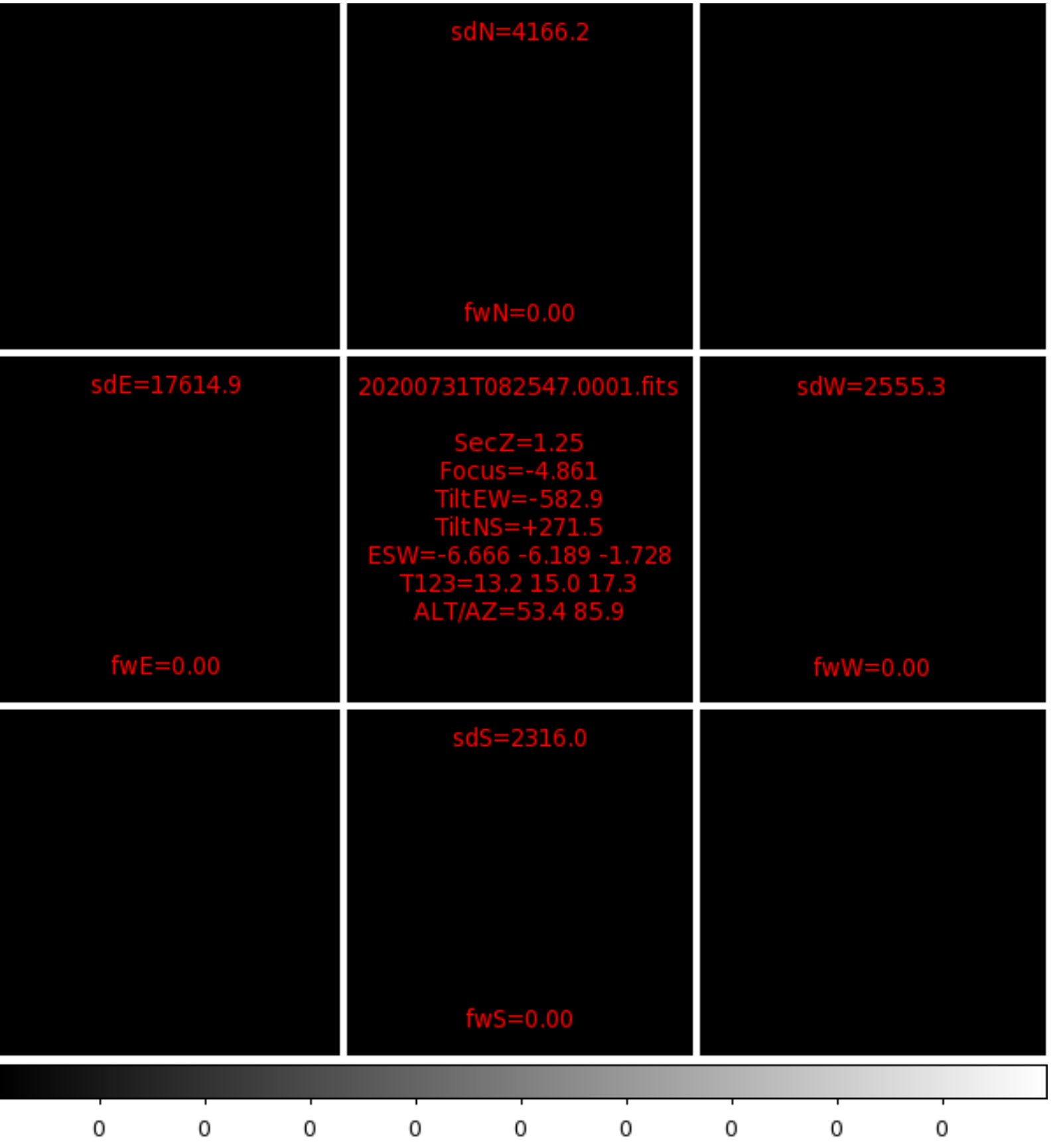
sdN=4166.2
fwN=0.00
sdE=17614.9
fwE=0.00
20200731T082547.0001.fits
SecZ=1.25
Focus=-4.861
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.666 -6.189 -1.728
T123=13.2 15.0 17.3
ALT/AZ=53.4 85.9
sdW=2555.3
fwW=0.00
sdS=2316.0
fwS=0.00
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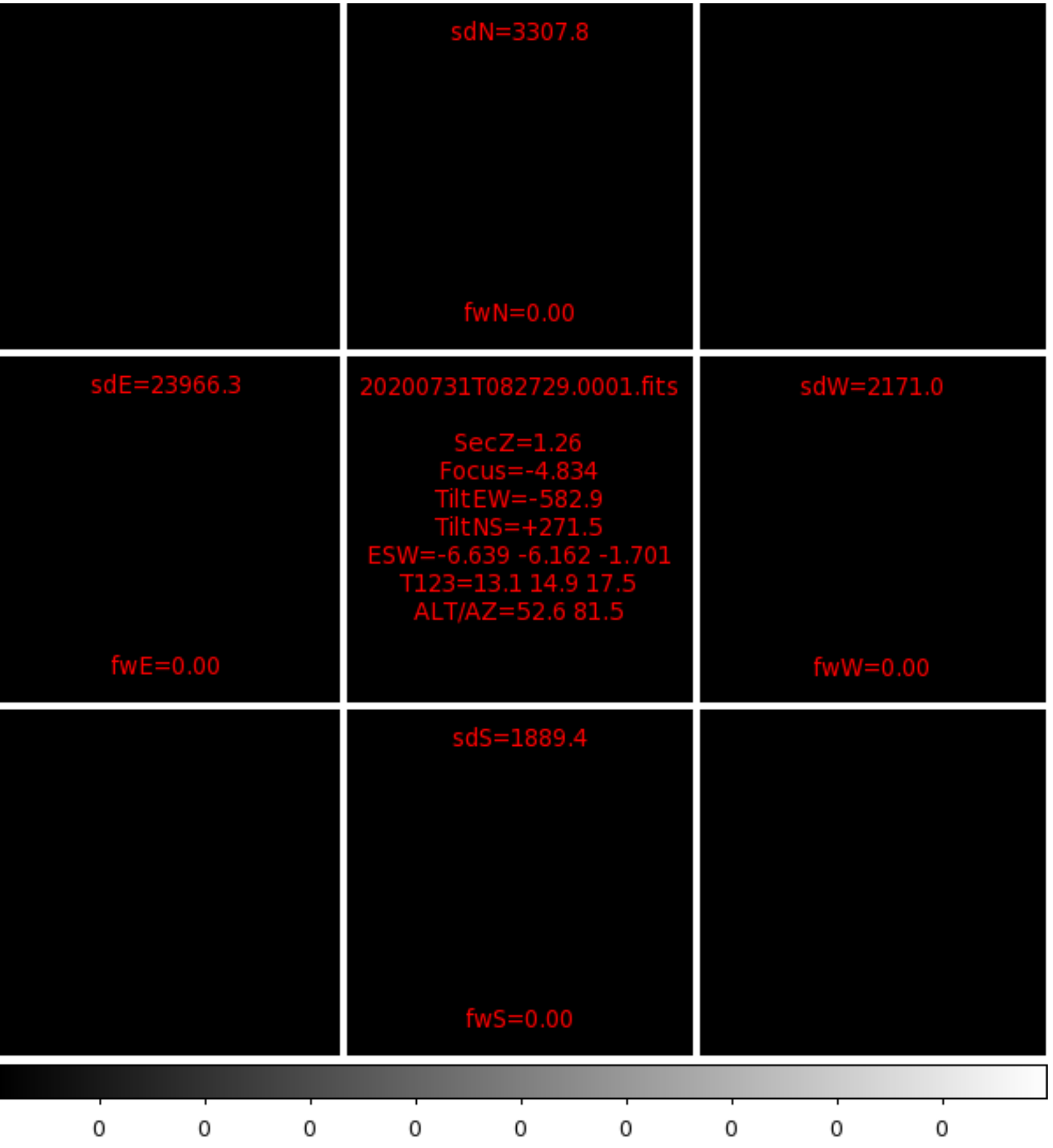
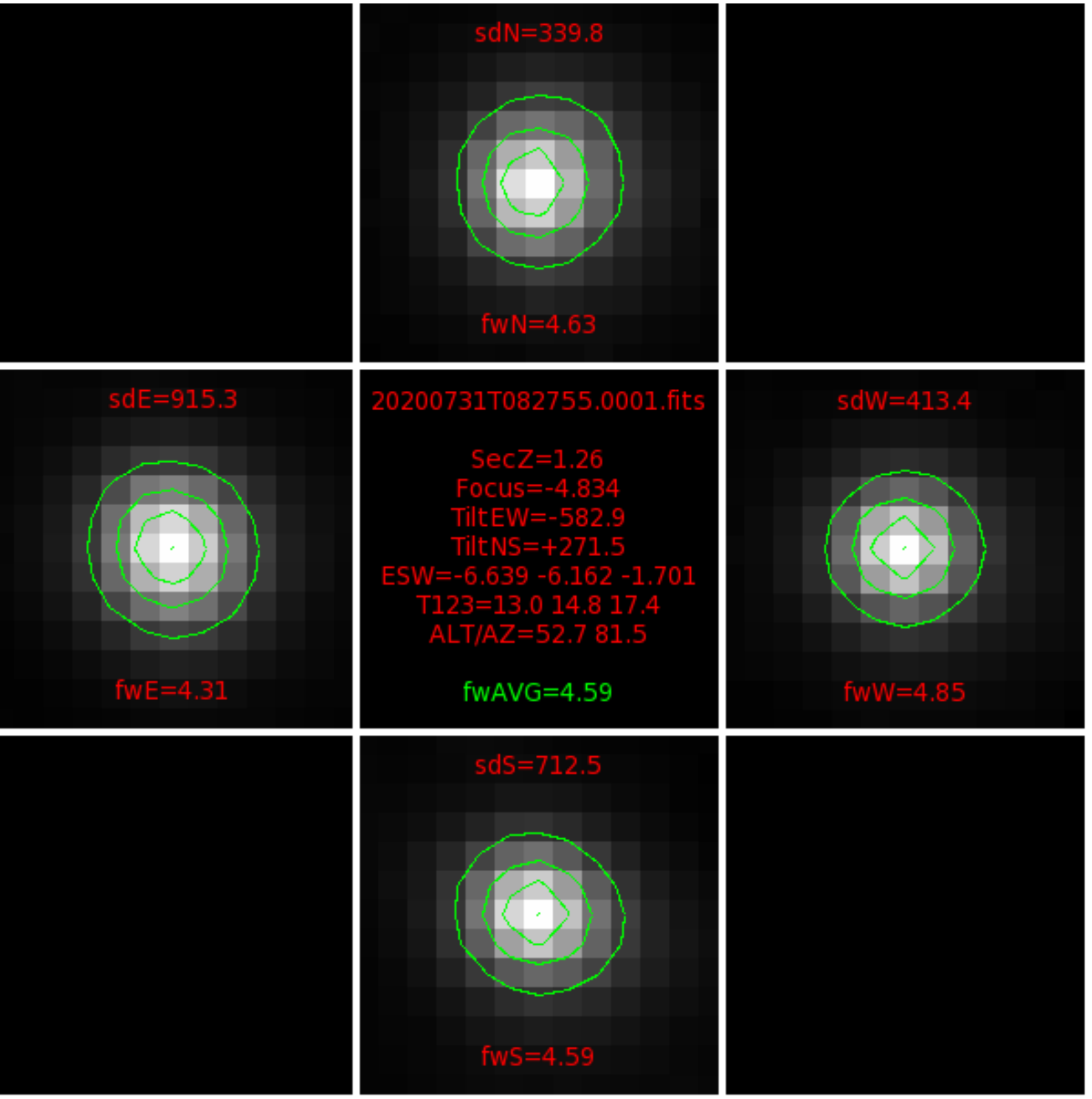

sdN=3307.8
fwN=0.00
sdE=23966.3
fwE=0.00
20200731T082729.0001.fits
SecZ=1.26
Focus=-4.834
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.639 -6.162 -1.701
T123=13.1 14.9 17.5
ALT/AZ=52.6 81.5
sdW=2171.0
fwW=0.00
sdS=1889.4
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=339.8
fwN=4.63
sdE=915.3
fwE=4.31
20200731T082755.0001.fits
SecZ=1.26
Focus=-4.834
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.639 -6.162 -1.701
T123=13.0 14.8 17.4
ALT/AZ=52.7 81.5
fwAVG=4.59
sdW=413.4
fwW=4.85
sdS=712.5
fwS=4.59
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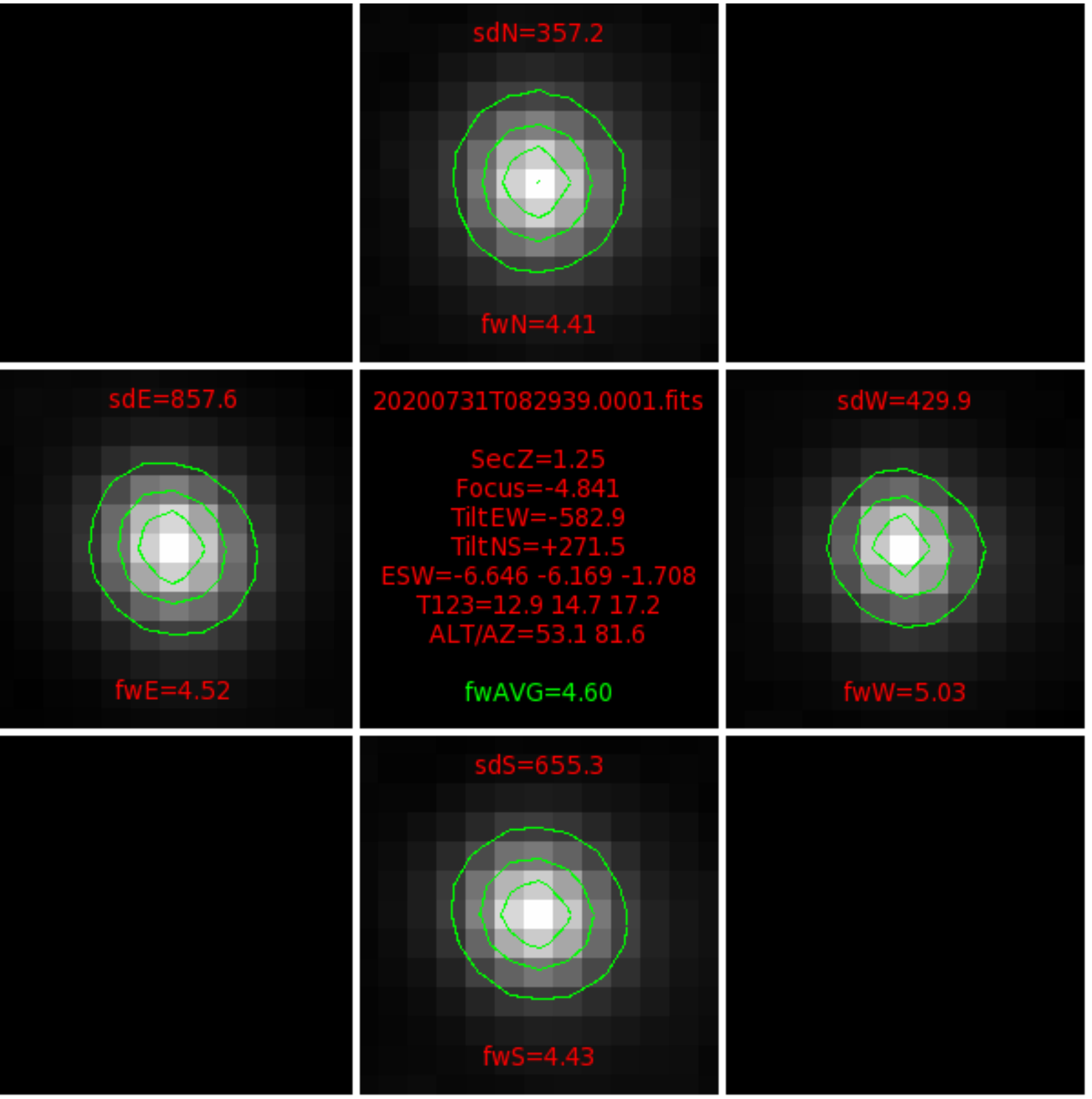
sdN=357.2
fwN=4.41
sdE=857.6
fwE=4.52
20200731T082939.0001.fits
SecZ=1.25
Focus=-4.841
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.646 -6.169 -1.708
T123=12.9 14.7 17.2
ALT/AZ=53.1 81.6
fwAVG=4.60
sdW=429.9
fwW=5.03
sdS=655.3
fwS=4.43
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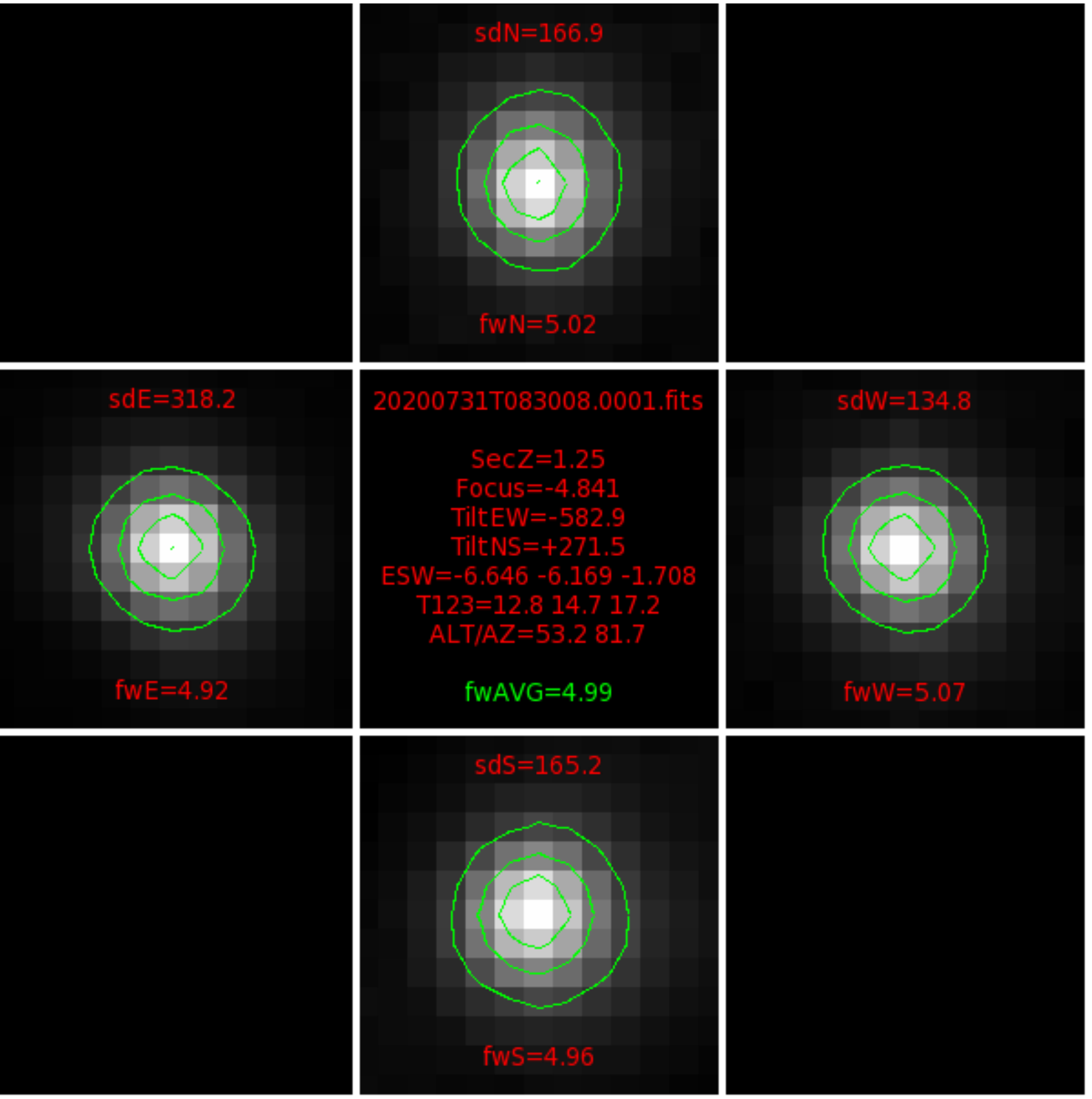
sdN=166.9
fwN=5.02
sdE=318.2
fwE=4.92
20200731T083008.0001.fits
SecZ=1.25
Focus=-4.841
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.646 -6.169 -1.708
T123=12.8 14.7 17.2
ALT/AZ=53.2 81.7
fwAVG=4.99
sdW=134.8
fwW=5.07
sdS=165.2
fwS=4.96
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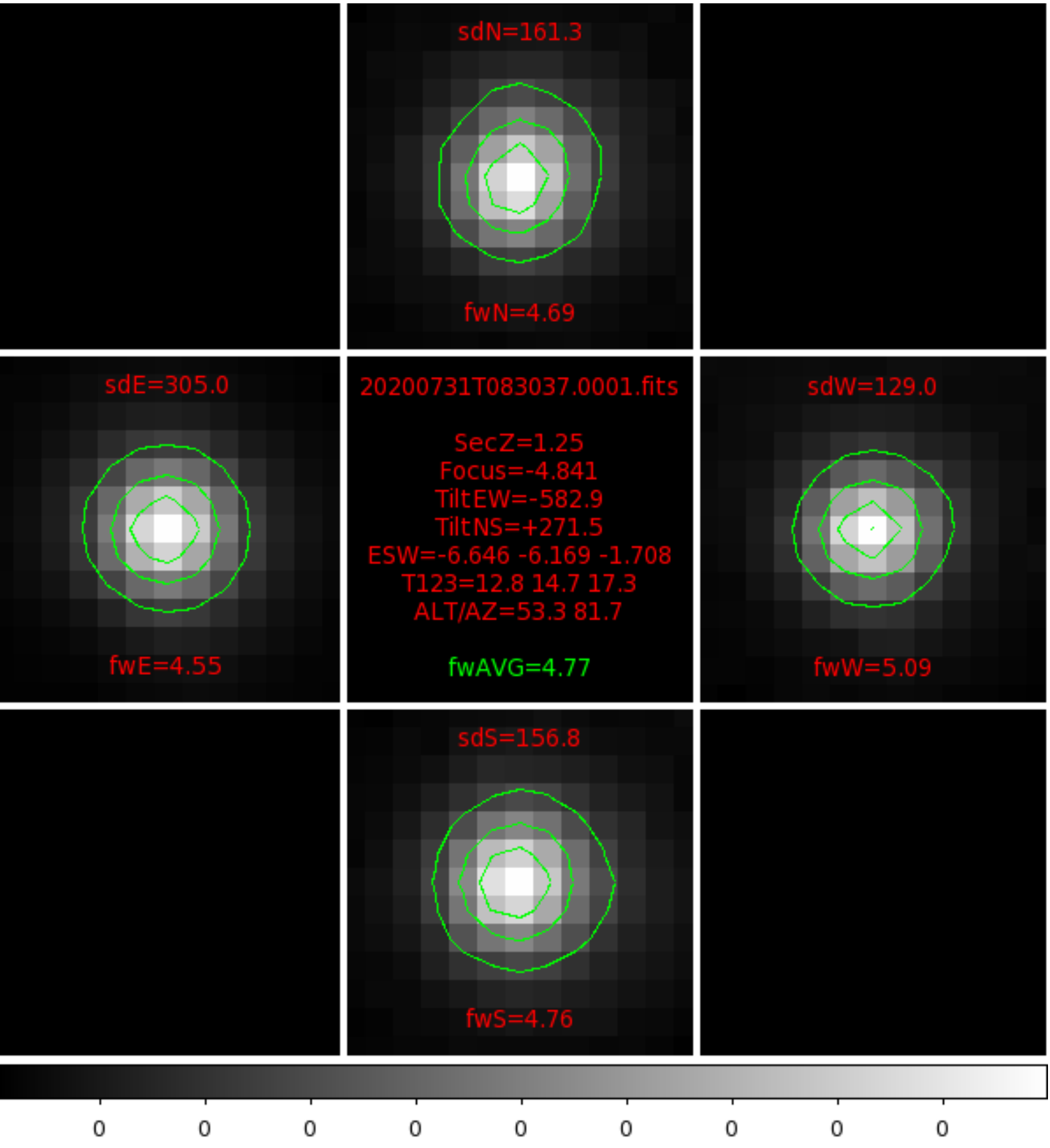
sdN=161.3
fwN=4.69
sdE=305.0
fwE=4.55
20200731T083037.0001.fits
SecZ=1.25
Focus=-4.841
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.646 -6.169 -1.708
T123=12.8 14.7 17.3
ALT/AZ=53.3 81.7
fwAVG=4.77
sdW=129.0
fwW=5.09
sdS=156.8
fwS=4.76
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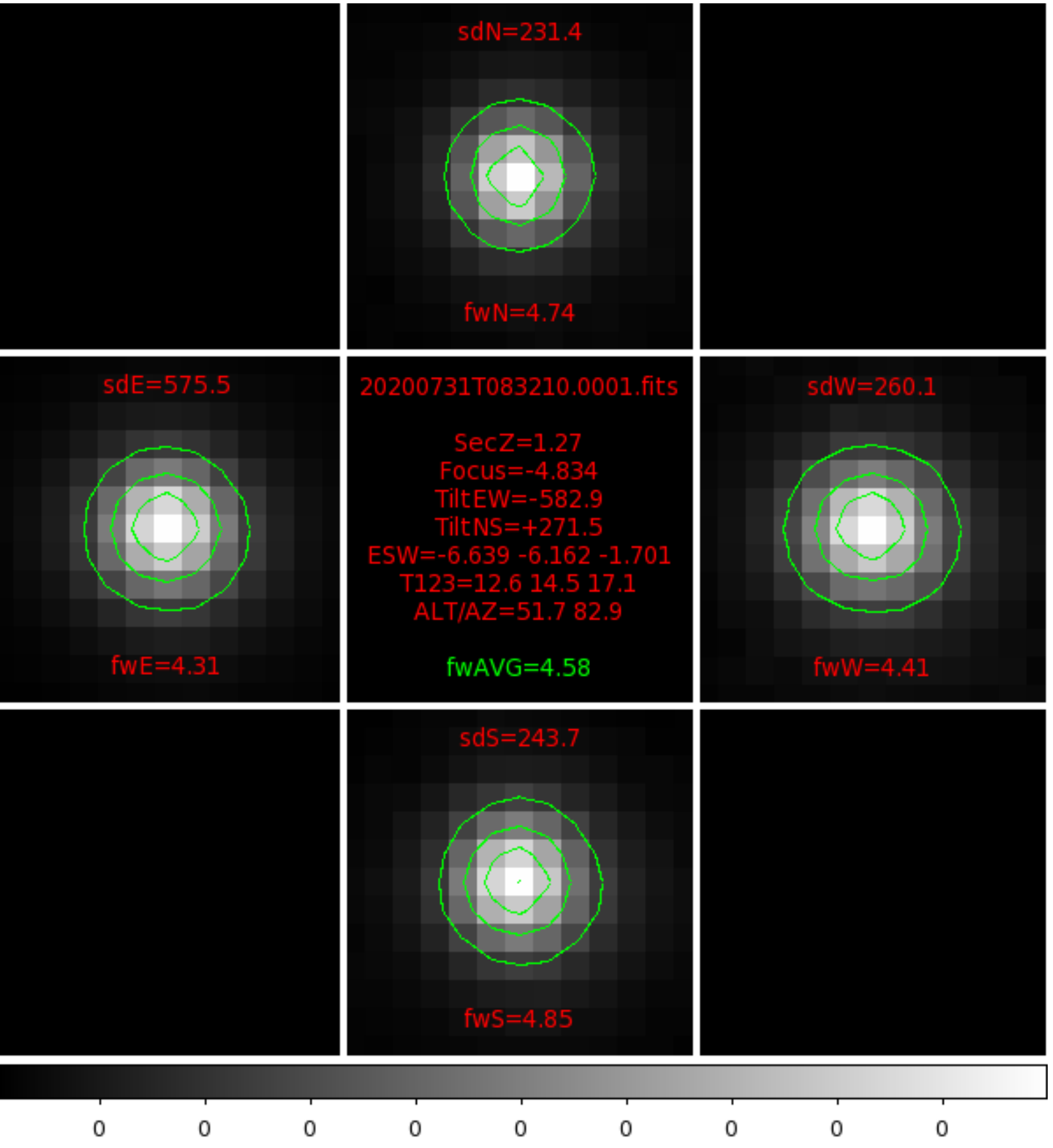
sdN=231.4
fwN=4.74
sdE=575.5
fwE=4.31
20200731T083210.0001.fits
SecZ=1.27
Focus=-4.834
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.639 -6.162 -1.701
T123=12.6 14.5 17.1
ALT/AZ=51.7 82.9
fwAVG=4.58
sdW=260.1
fwW=4.41
sdS=243.7
fwS=4.85
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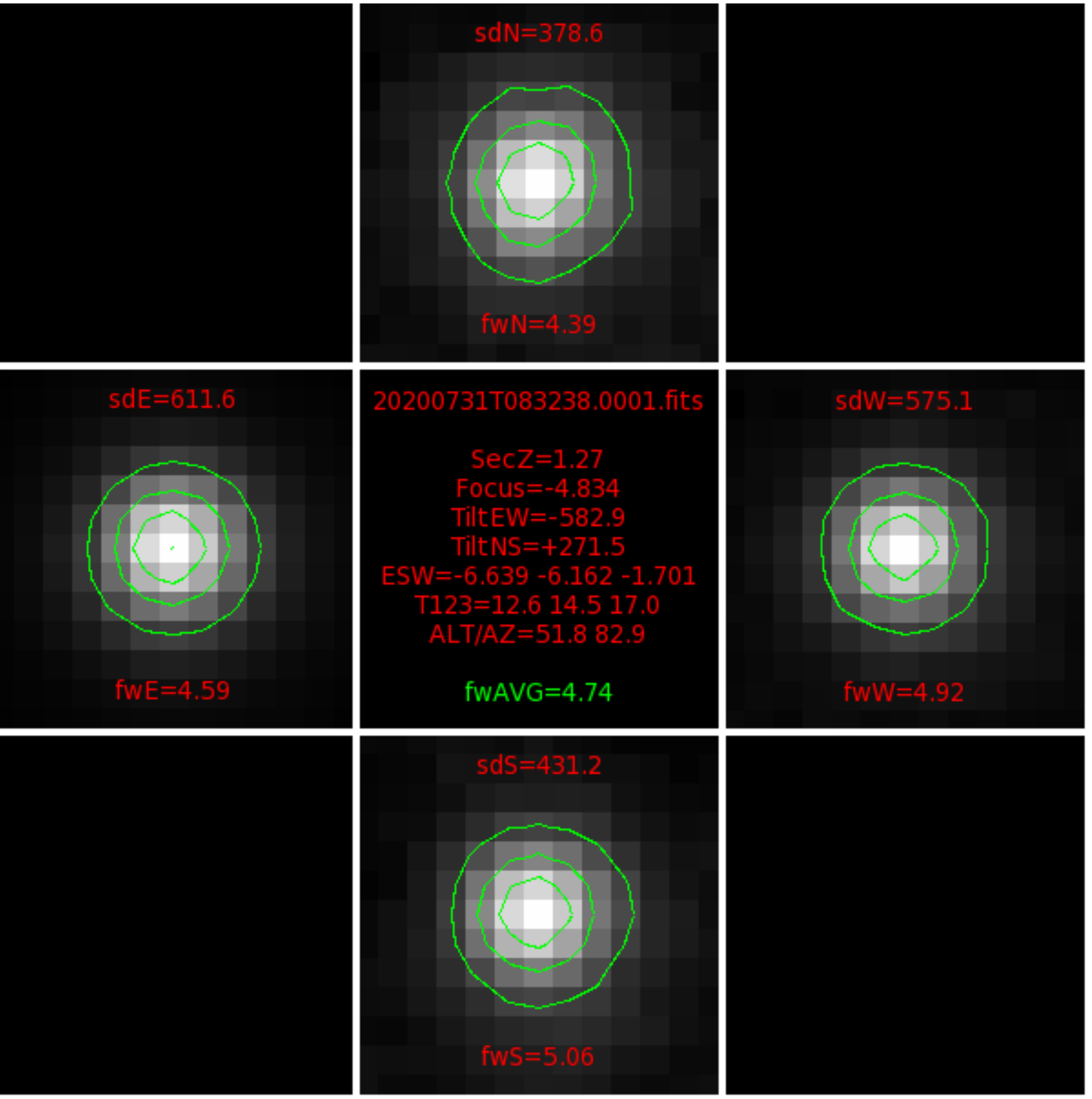
sdN=378.6
fwN=4.39
sdE=611.6
fwE=4.59
20200731T083238.0001.fits
SecZ=1.27
Focus=-4.834
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.639 -6.162 -1.701
T123=12.6 14.5 17.0
ALT/AZ=51.8 82.9
fwAVG=4.74
sdW=575.1
fwW=4.92
sdS=431.2
fwS=5.06
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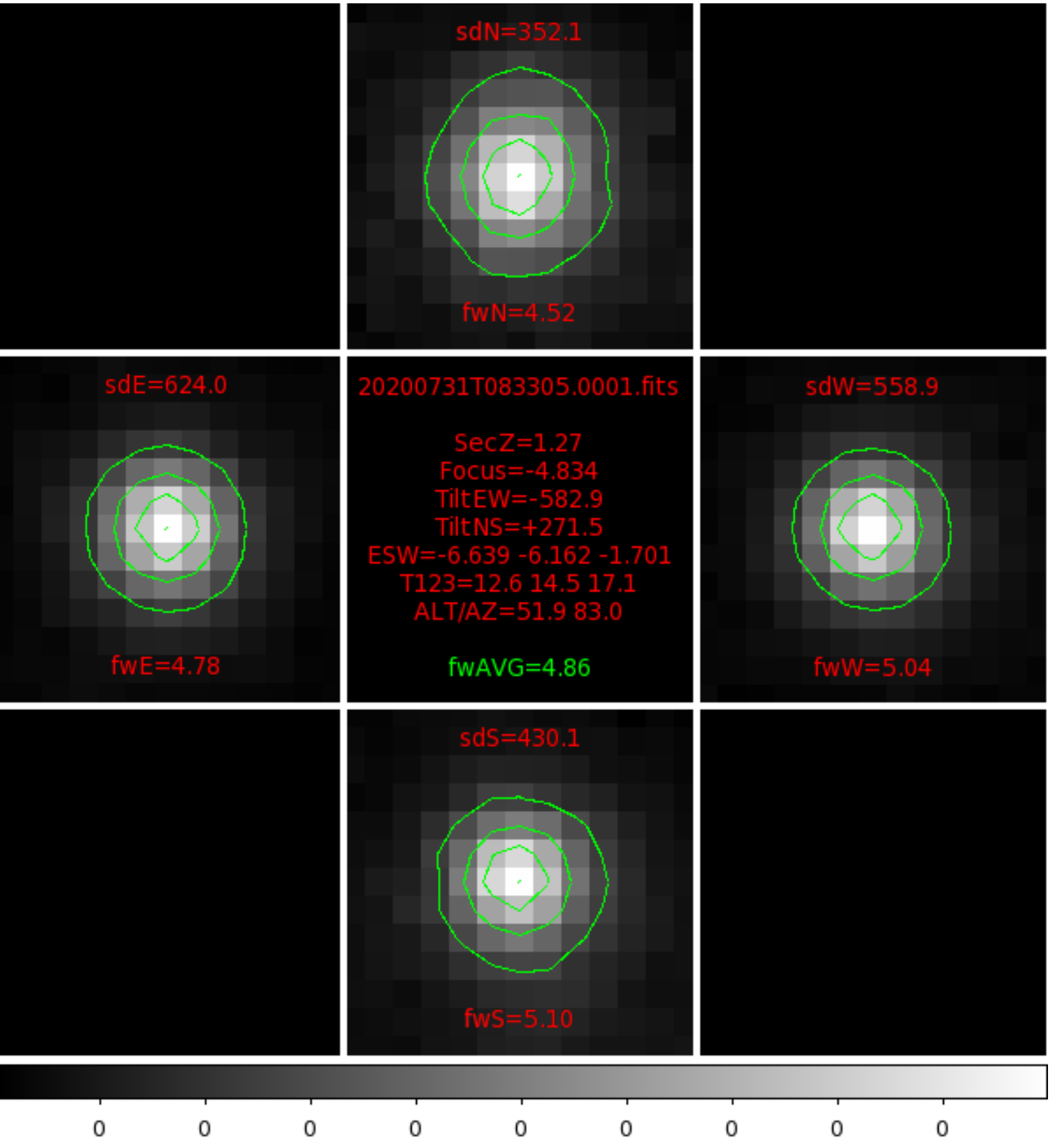
sdN=352.1
fwN=4.52
sdE=624.0
fwE=4.78
20200731T083305.0001.fits
SecZ=1.27
Focus=-4.834
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.639 -6.162 -1.701
T123=12.6 14.5 17.1
ALT/AZ=51.9 83.0
fwAVG=4.86
sdW=558.9
fwW=5.04
sdS=430.1
fwS=5.10
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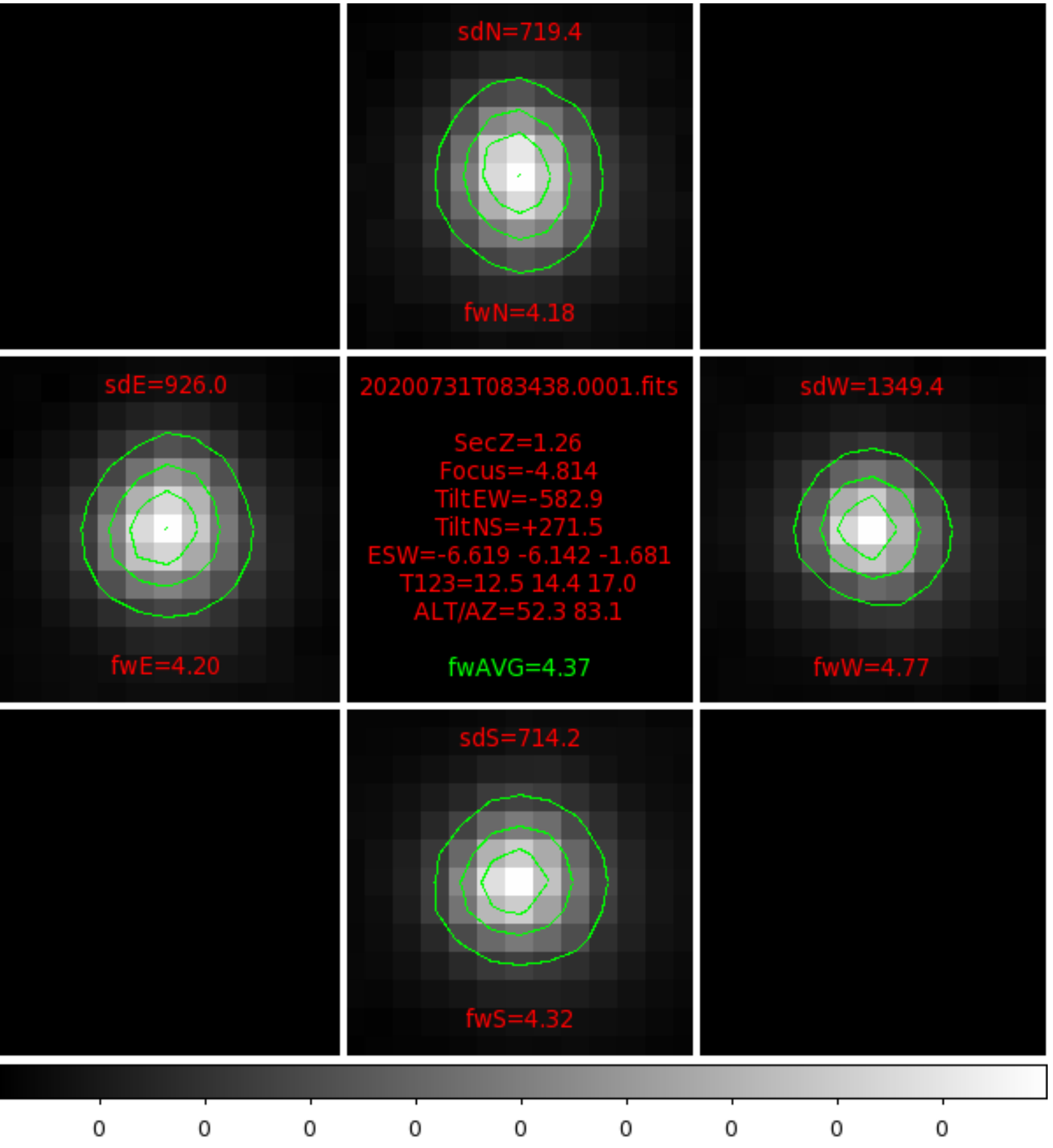
sdN=719.4
fwN=4.18
sdE=926.0
fwE=4.20
20200731T083438.0001.fits
SecZ=1.26
Focus=-4.814
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.619 -6.142 -1.681
T123=12.5 14.4 17.0
ALT/AZ=52.3 83.1
fwAVG=4.37
sdW=1349.4
fwW=4.77
sdS=714.2
fwS=4.32
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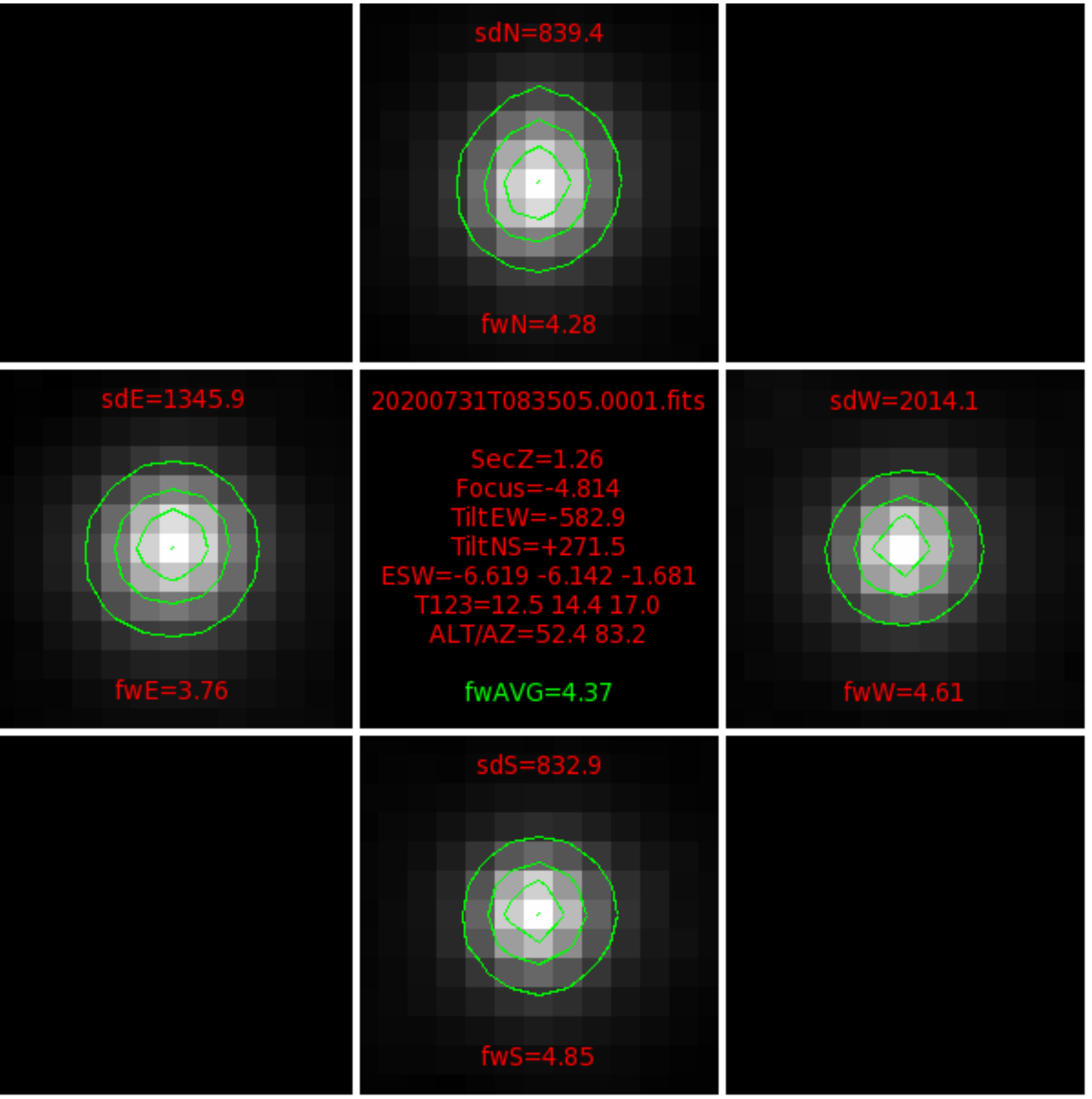
sdN=839.4
fwN=4.28
sdE=1345.9
fwE=3.76
20200731T083505.0001.fits
SecZ=1.26
Focus=-4.814
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.619 -6.142 -1.681
T123=12.5 14.4 17.0
ALT/AZ=52.4 83.2
fwAVG=4.37
sdW=2014.1
fwW=4.61
sdS=832.9
fwS=4.85
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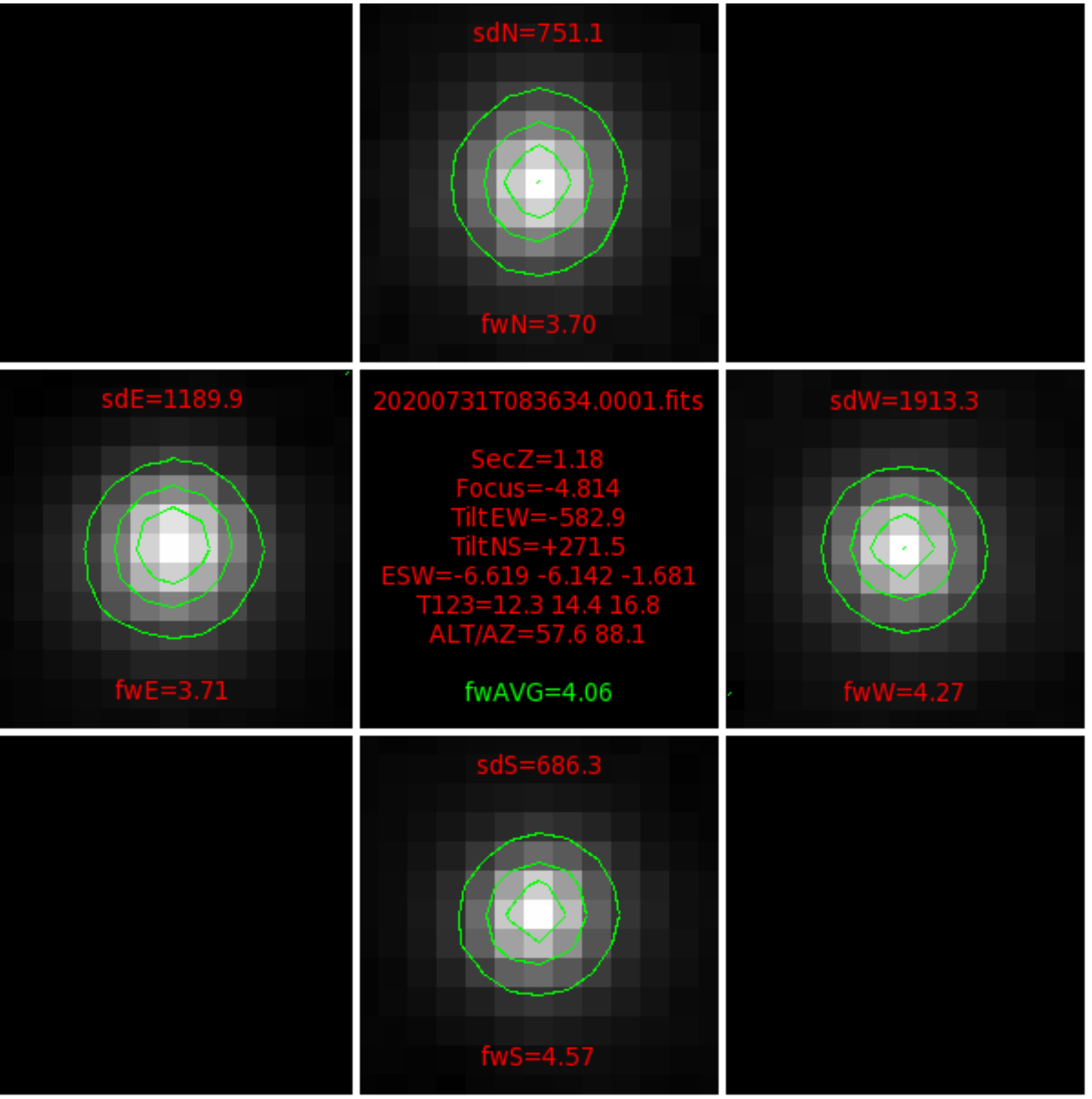
sdN=751.1
fwN=3.70
sdE=1189.9
fwE=3.71
20200731T083634.0001.fits
SecZ=1.18
Focus=-4.814
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.619 -6.142 -1.681
T123=12.3 14.4 16.8
ALT/AZ=57.6 88.1
fwAVG=4.06
sdW=1913.3
fwW=4.27
sdS=686.3
fwS=4.57
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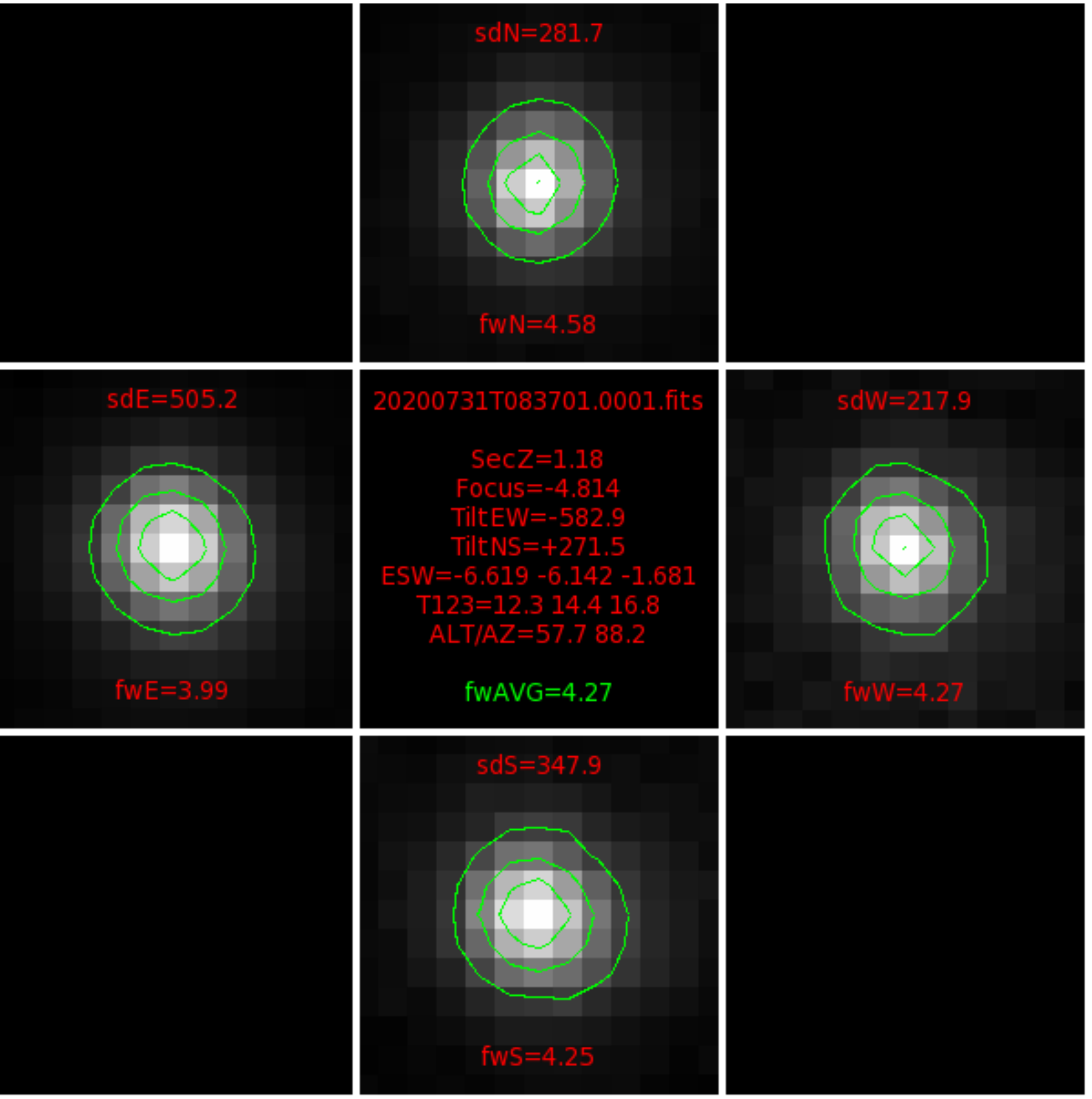
sdN=281.7
fwN=4.58
sdE=505.2
fwE=3.99
20200731T083701.0001.fits
SecZ=1.18
Focus=-4.814
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.619 -6.142 -1.681
T123=12.3 14.4 16.8
ALT/AZ=57.7 88.2
fwAVG=4.27
sdW=217.9
fwW=4.27
sdS=347.9
fwS=4.25
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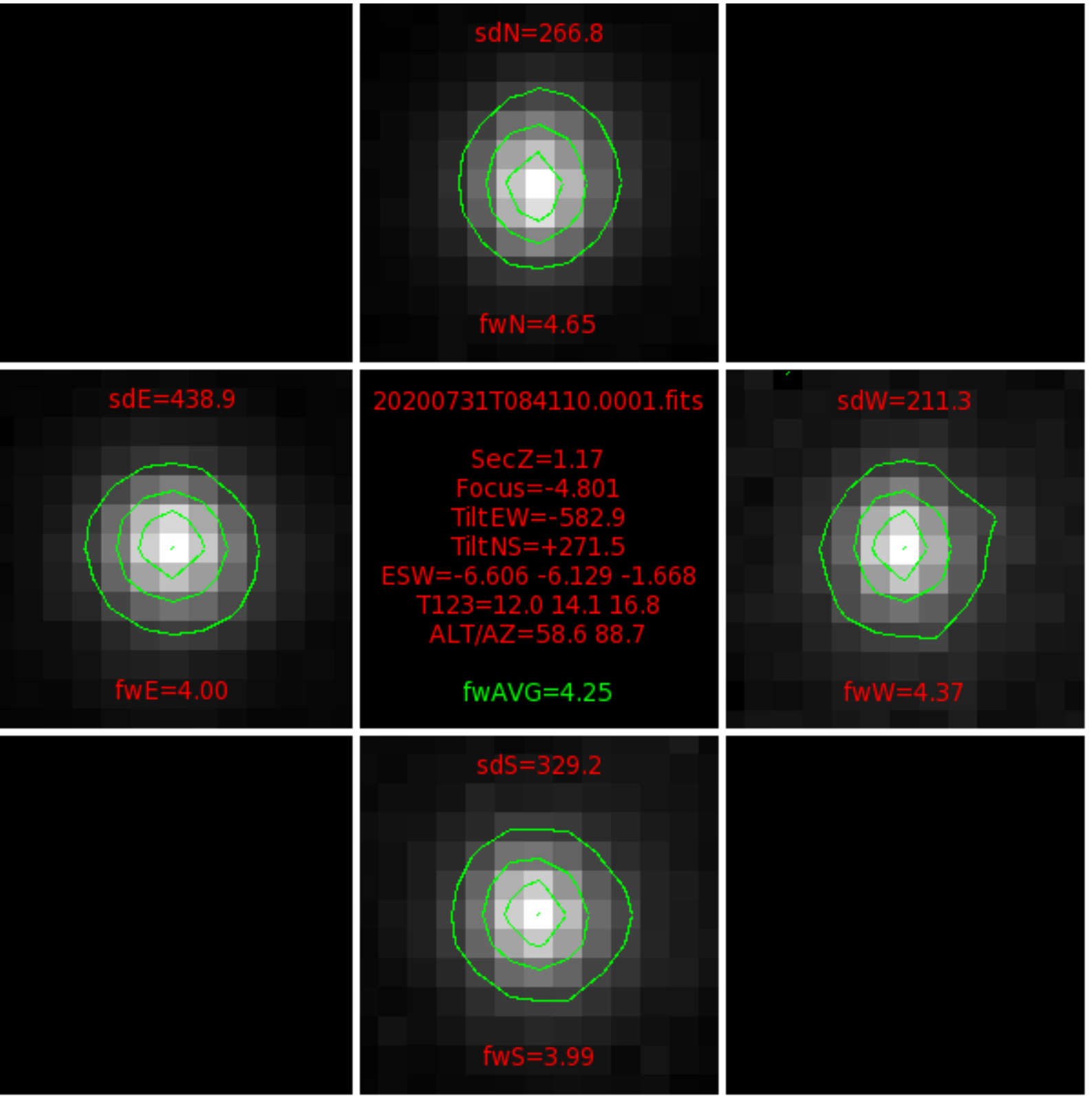
sdN=266.8
fwN=4.65
sdE=438.9
fwE=4.00
20200731T084110.0001.fits
SecZ=1.17
Focus=-4.801
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.606 -6.129 -1.668
T123=12.0 14.1 16.8
ALT/AZ=58.6 88.7
fwAVG=4.25
sdW=211.3
fwW=4.37
sdS=329.2
fwS=3.99
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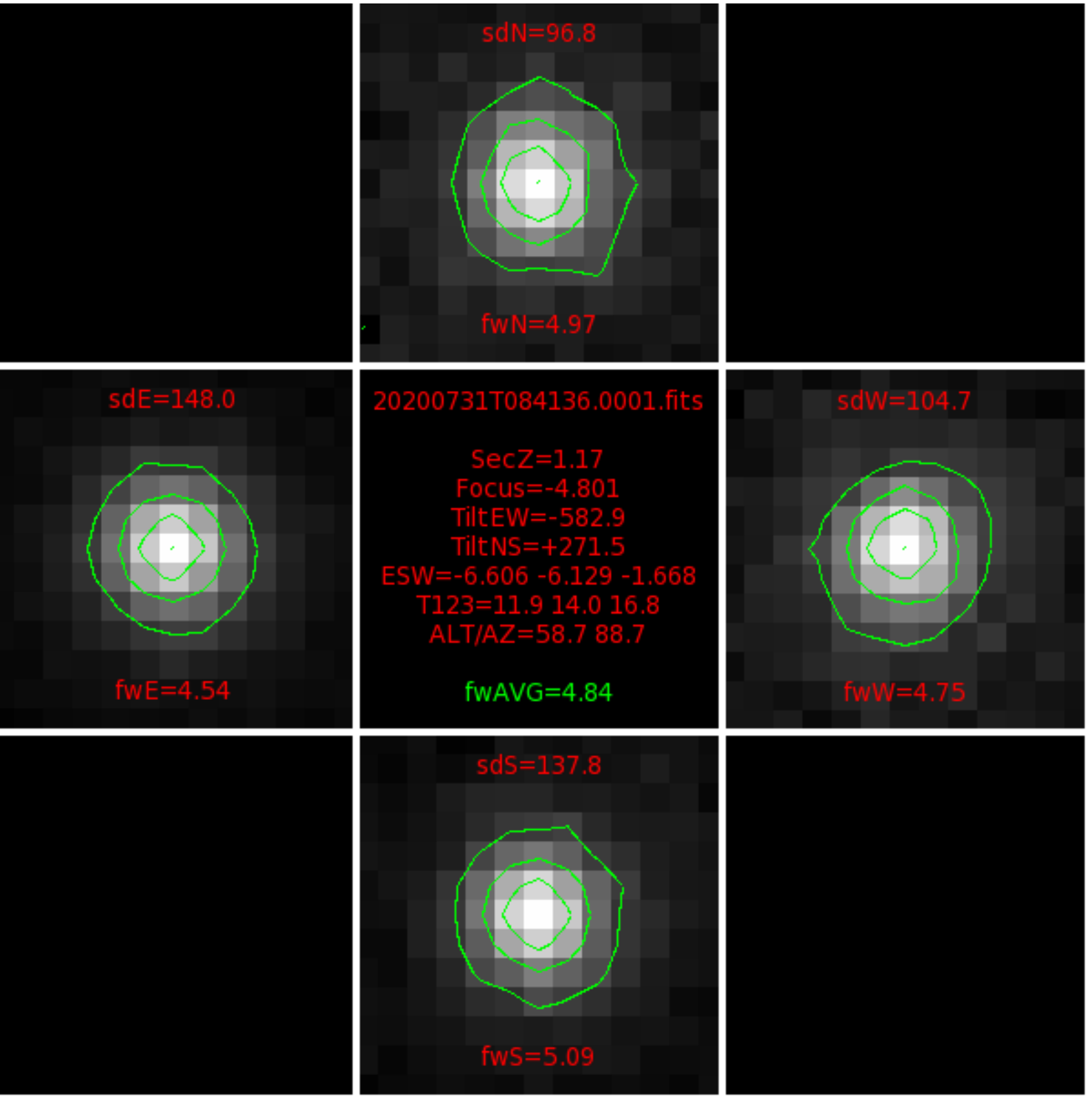
sdN=96.8
fwN=4.97
sdE=148.0
fwE=4.54
20200731T084136.0001.fits
SecZ=1.17
Focus=-4.801
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.606 -6.129 -1.668
T123=11.9 14.0 16.8
ALT/AZ=58.7 88.7
fwAVG=4.84
sdW=104.7
fwW=4.75
sdS=137.8
fwS=5.09
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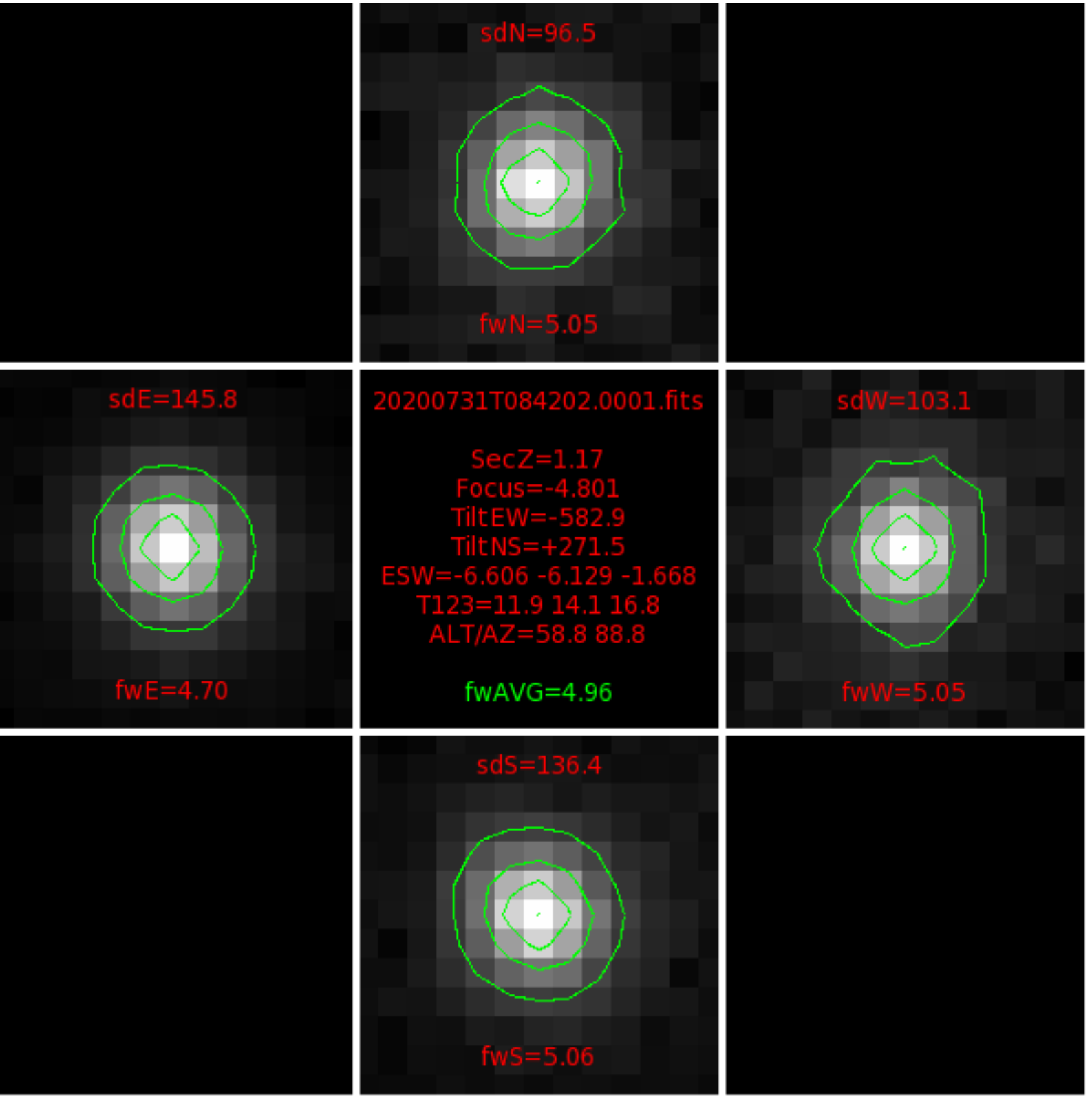
sdN=96.5
fwN=5.05
sdE=145.8
fwE=4.70
20200731T084202.0001.fits
SecZ=1.17
Focus=-4.801
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.606 -6.129 -1.668
T123=11.9 14.1 16.8
ALT/AZ=58.8 88.8
fwAVG=4.96
sdW=103.1
fwW=5.05
sdS=136.4
fwS=5.06
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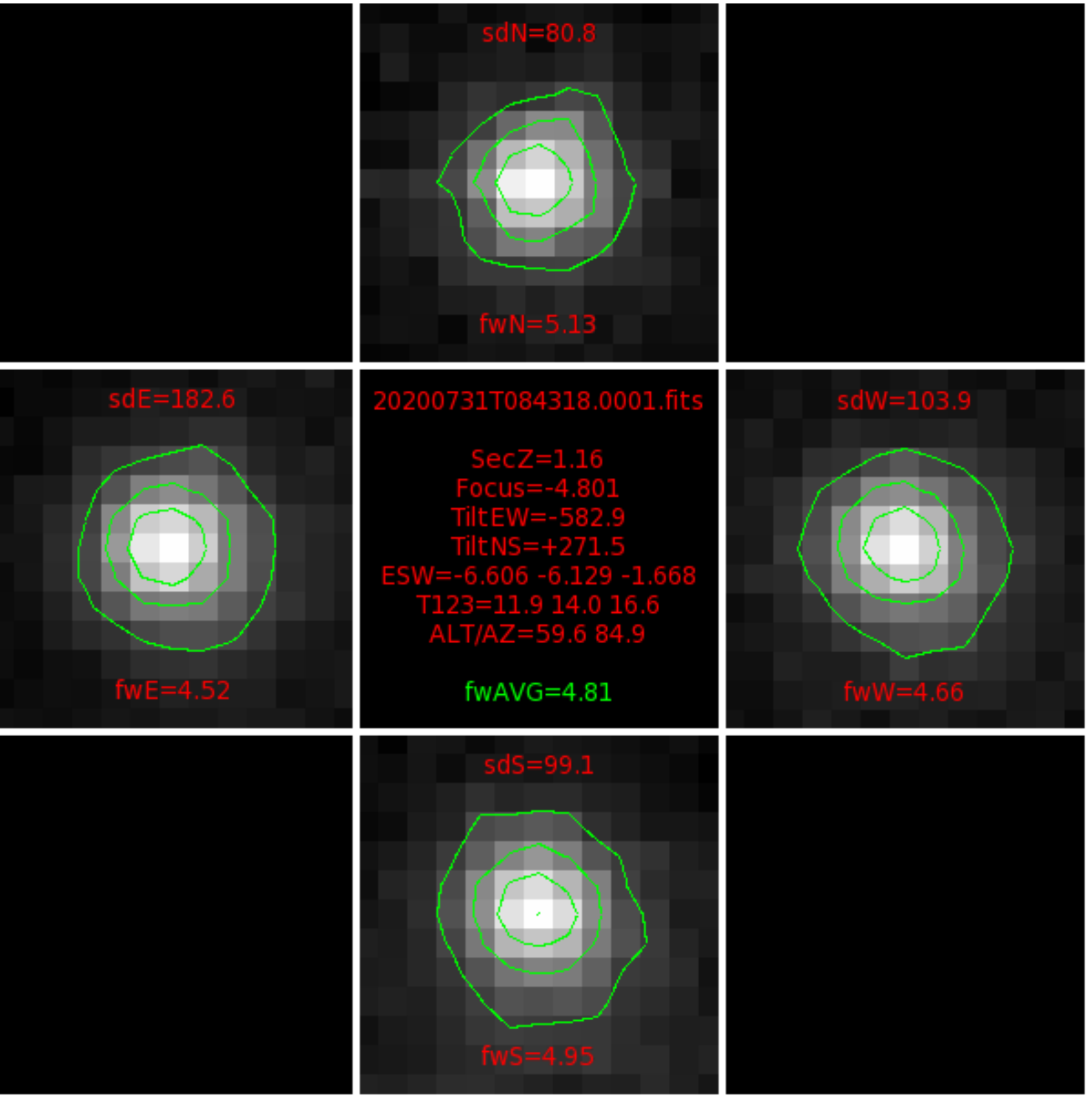
sdN=80.8
fwN=5.13
sdE=182.6
fwE=4.52
20200731T084318.0001.fits
SecZ=1.16
Focus=-4.801
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.606 -6.129 -1.668
T123=11.9 14.0 16.6
ALT/AZ=59.6 84.9
fwAVG=4.81
sdW=103.9
fwW=4.66
sdS=99.1
fwS=4.95
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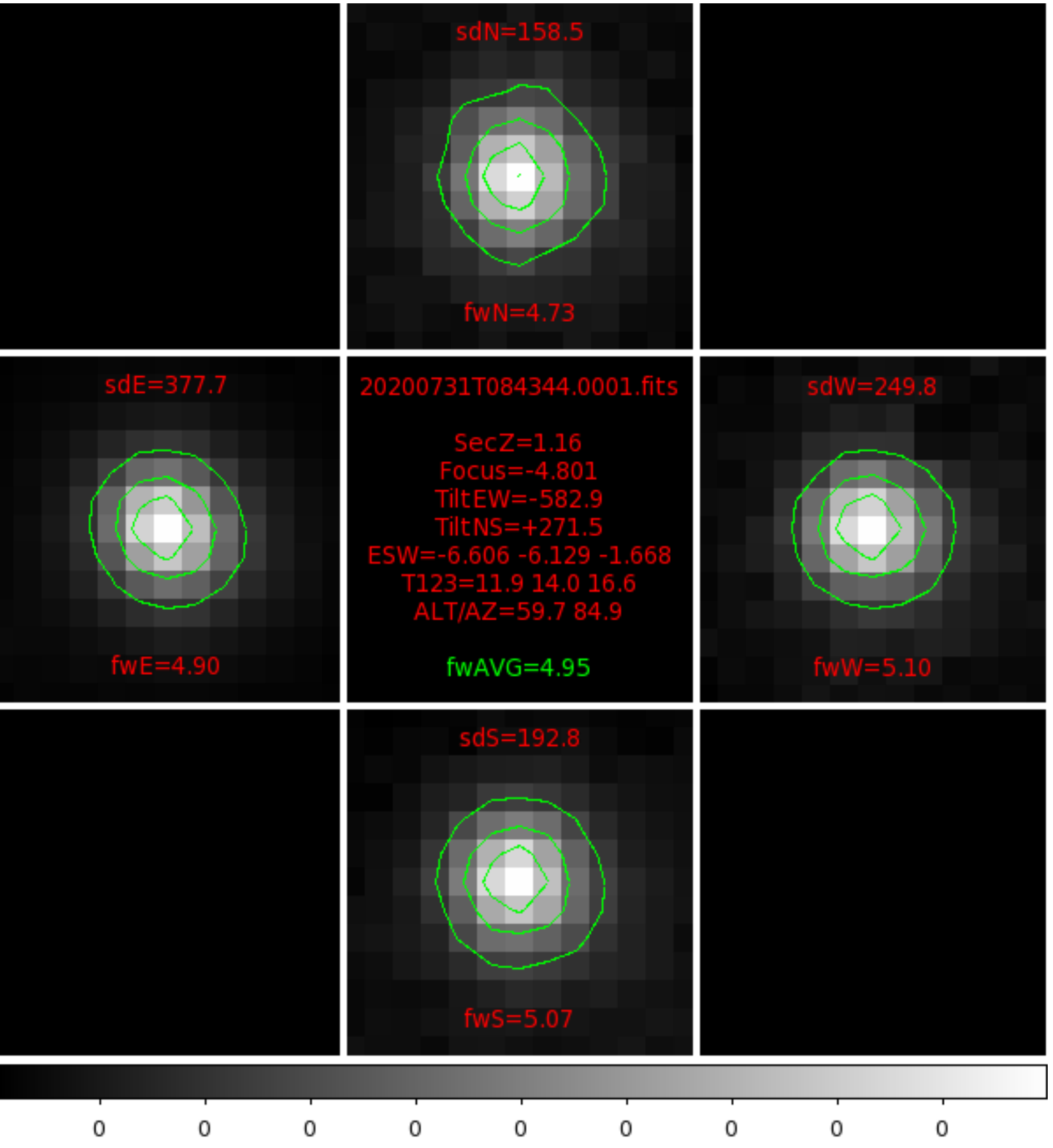
sdN=158.5
fwN=4.73
sdE=377.7
fwE=4.90
20200731T084344.0001.fits
SecZ=1.16
Focus=-4.801
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.606 -6.129 -1.668
T123=11.9 14.0 16.6
ALT/AZ=59.7 84.9
fwAVG=4.95
sdW=249.8
fwW=5.10
sdS=192.8
fwS=5.07
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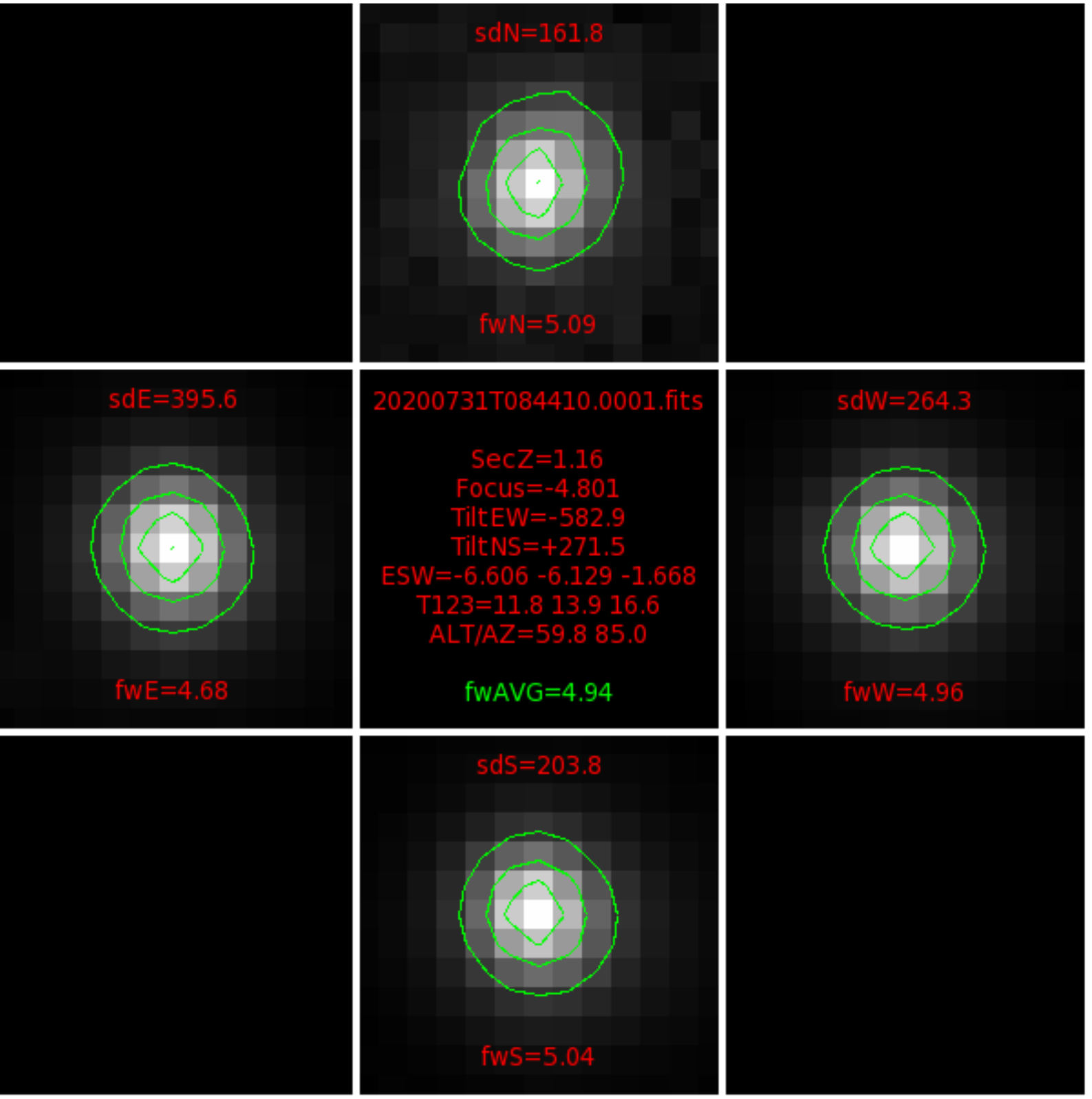
sdN=161.8
fwN=5.09
sdE=395.6
fwE=4.68
20200731T084410.0001.fits
SecZ=1.16
Focus=-4.801
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.606 -6.129 -1.668
T123=11.8 13.9 16.6
ALT/AZ=59.8 85.0
fwAVG=4.94
sdW=264.3
fwW=4.96
sdS=203.8
fwS=5.04
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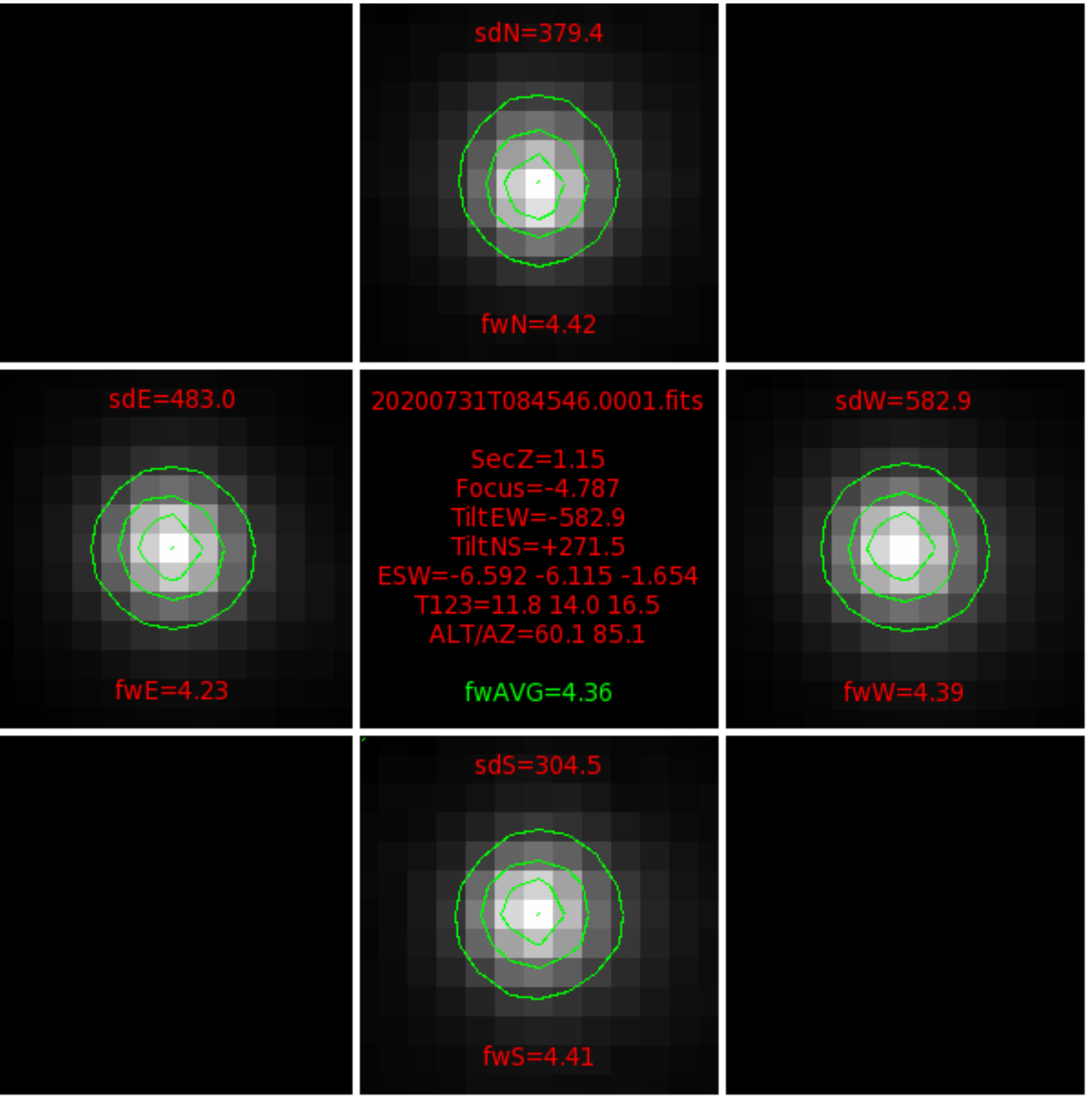
sdN=379.4
fwN=4.42
sdE=483.0
fwE=4.23
20200731T084546.0001.fits
SecZ=1.15
Focus=-4.787
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.592 -6.115 -1.654
T123=11.8 14.0 16.5
ALT/AZ=60.1 85.1
fwAVG=4.36
sdW=582.9
fwW=4.39
sdS=304.5
fwS=4.41
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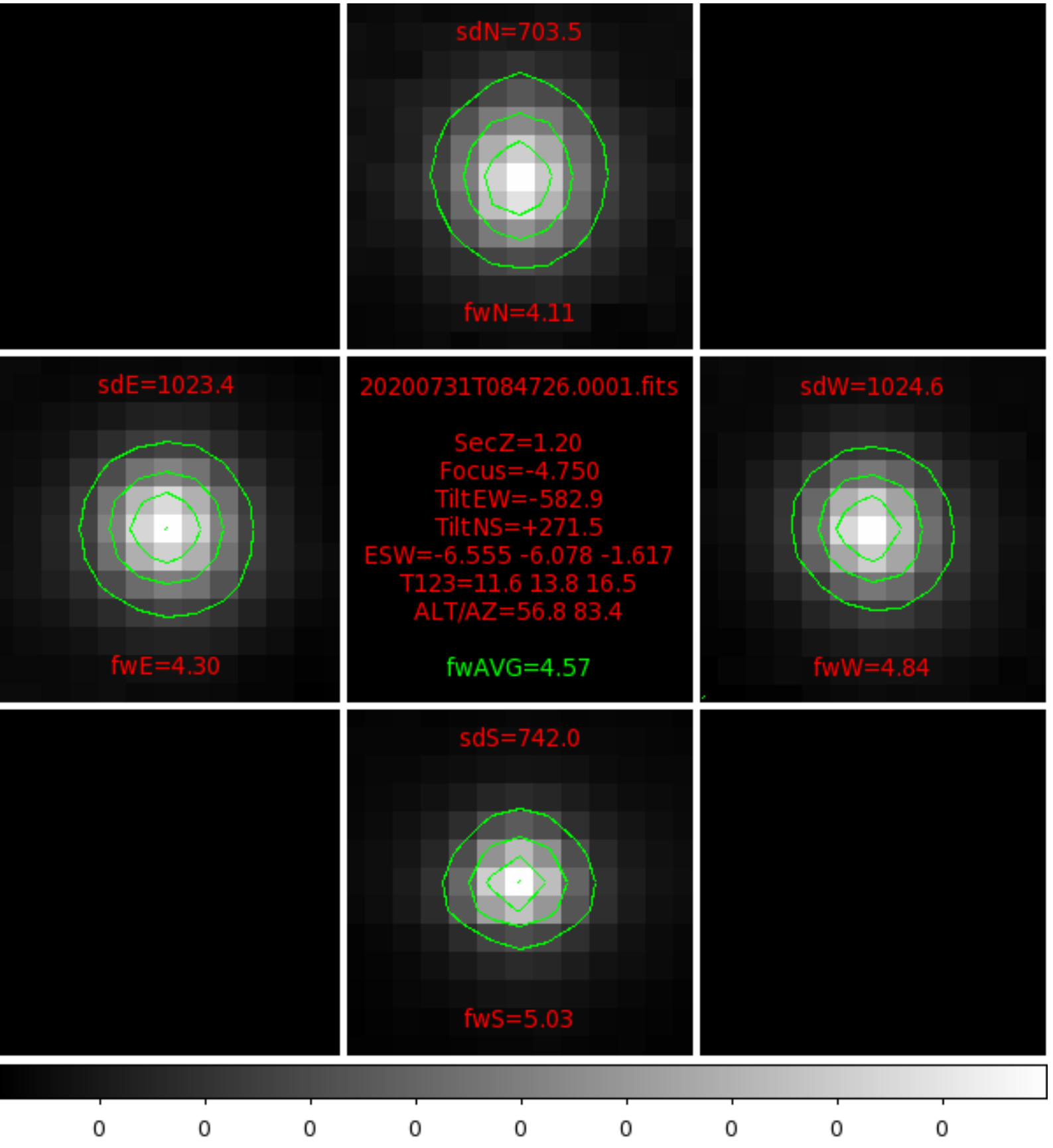
sdN=703.5
fwN=4.11
sdE=1023.4
fwE=4.30
20200731T084726.0001.fits
SecZ=1.20
Focus=-4.750
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.555 -6.078 -1.617
T123=11.6 13.8 16.5
ALT/AZ=56.8 83.4
fwAVG=4.57
sdW=1024.6
fwW=4.84
sdS=742.0
fwS=5.03
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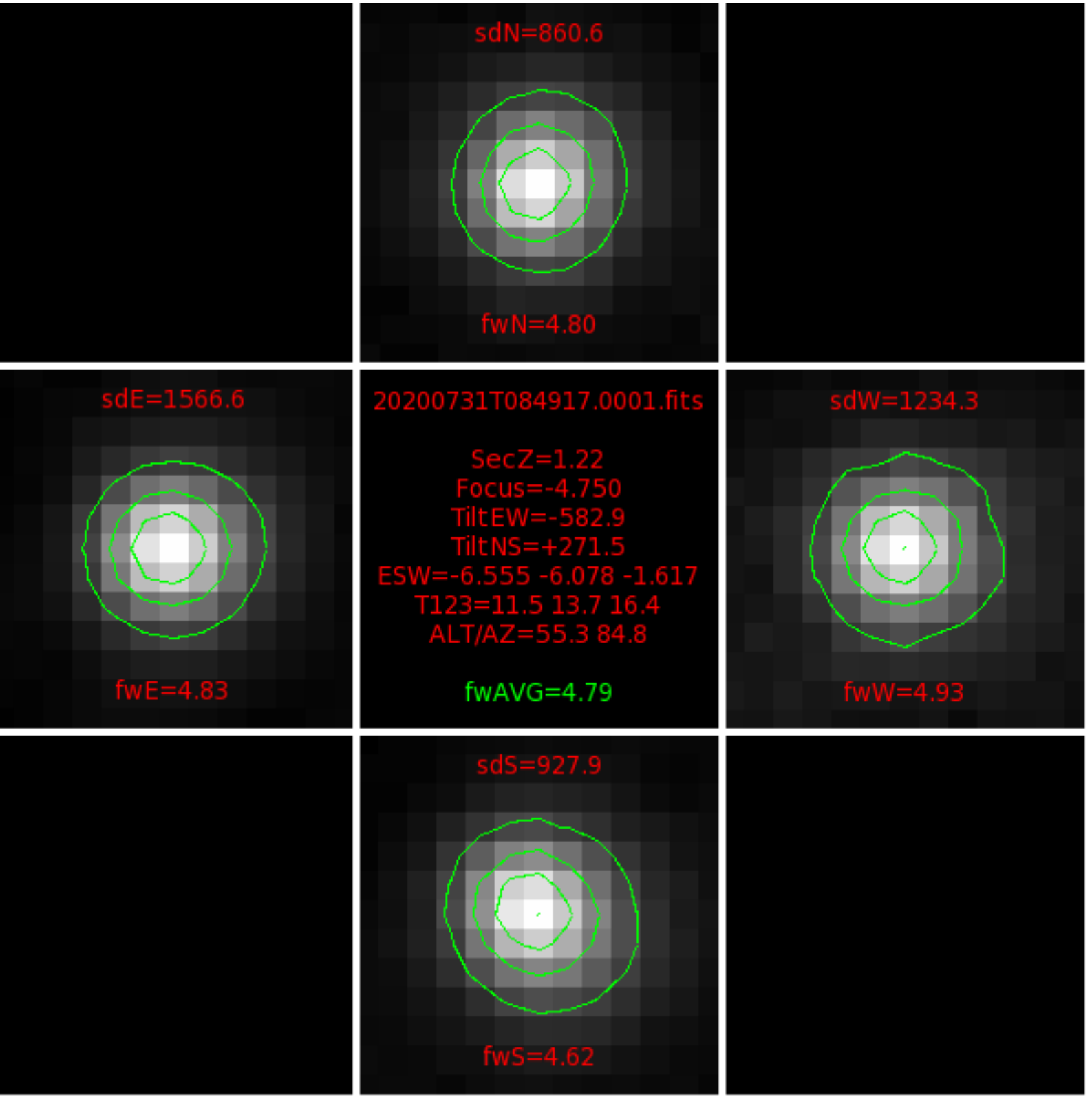
sdN=860.6
fwN=4.80
sdE=1566.6
fwE=4.83
20200731T084917.0001.fits
SecZ=1.22
Focus=-4.750
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.555 -6.078 -1.617
T123=11.5 13.7 16.4
ALT/AZ=55.3 84.8
fwAVG=4.79
sdW=1234.3
fwW=4.93
sdS=927.9
fwS=4.62
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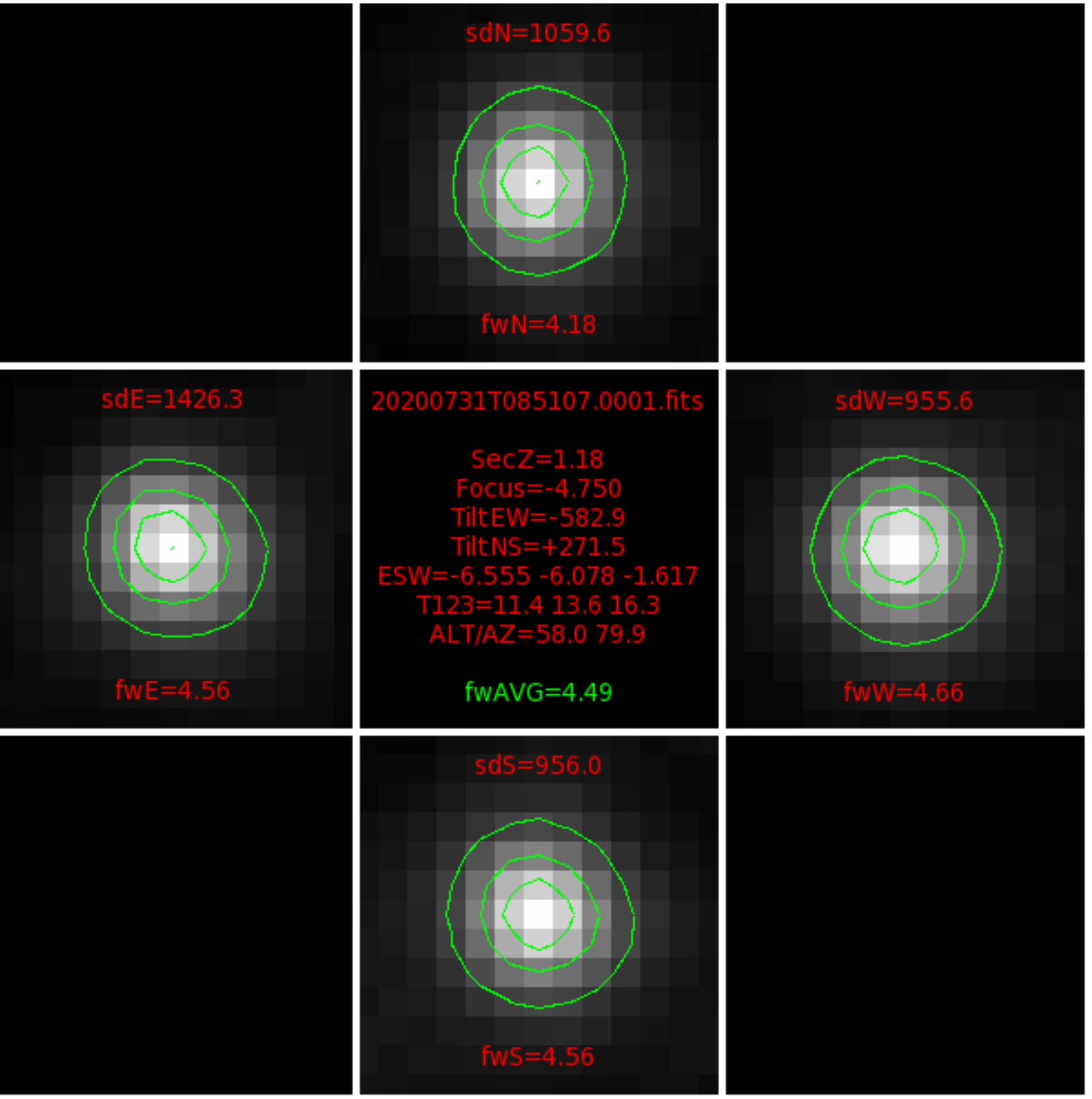
sdN=1059.6
fwN=4.18
sdE=1426.3
fwE=4.56
20200731T085107.0001.fits
SecZ=1.18
Focus=-4.750
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.555 -6.078 -1.617
T123=11.4 13.6 16.3
ALT/AZ=58.0 79.9
fwAVG=4.49
sdW=955.6
fwW=4.66
sdS=956.0
fwS=4.56
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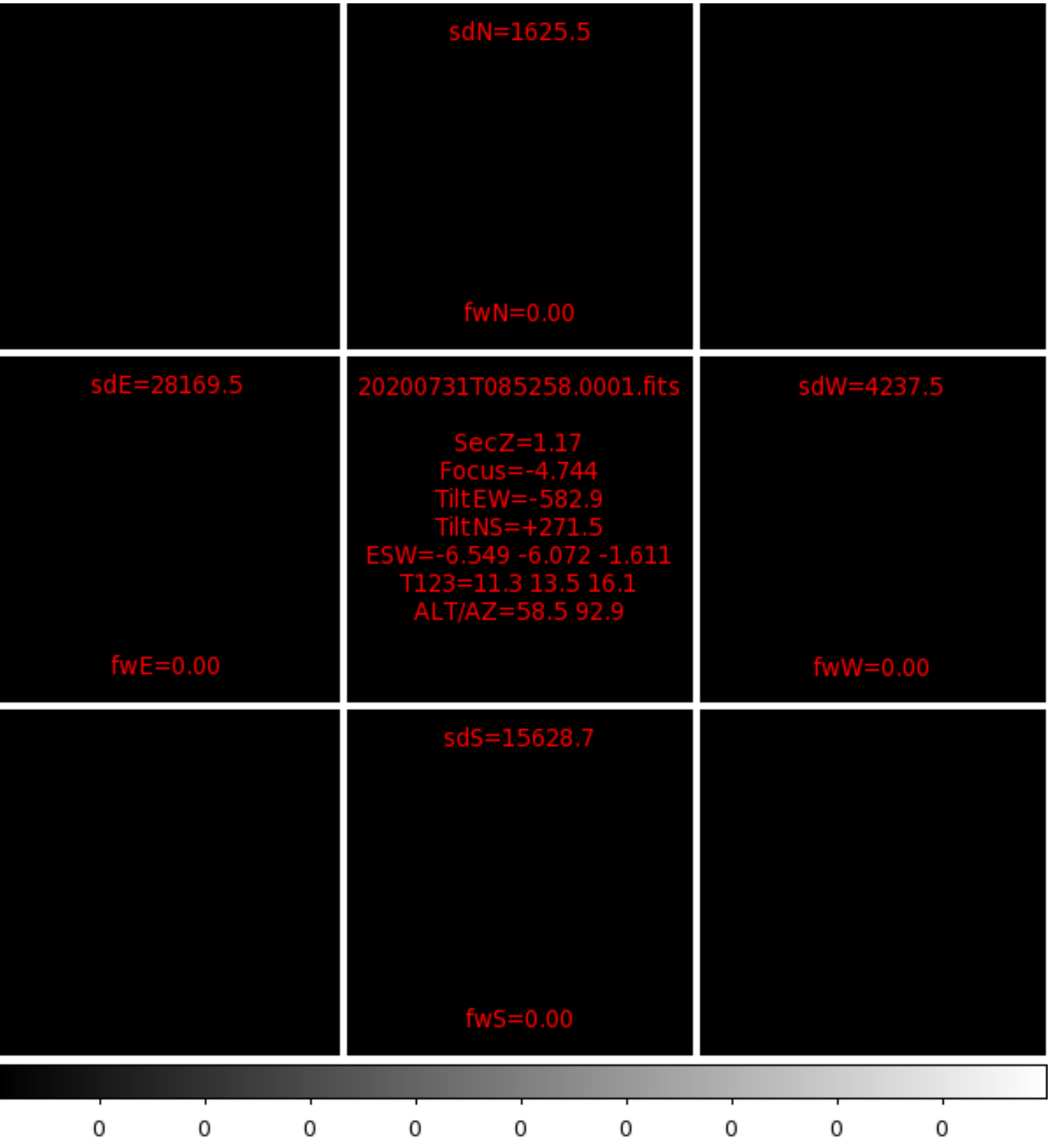
sdN=1625.5
fwN=0.00
sdE=28169.5
fwE=0.00
20200731T085258.0001.fits
SecZ=1.17
Focus=-4.744
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.549 -6.072 -1.611
T123=11.3 13.5 16.1
ALT/AZ=58.5 92.9
sdW=4237.5
fwW=0.00
sdS=15628.7
fwS=0.00
0 0 0 0 0 0 0 0 0

sdN=0.0
fwN=0.00
sdE=0.0
20200731T085440.0001.fits
SecZ=1.17
Focus=-4.724
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.529 -6.052 -1.591
T123=11.2 13.5 16.2
ALT/AZ=58.4 83.9
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=4.24
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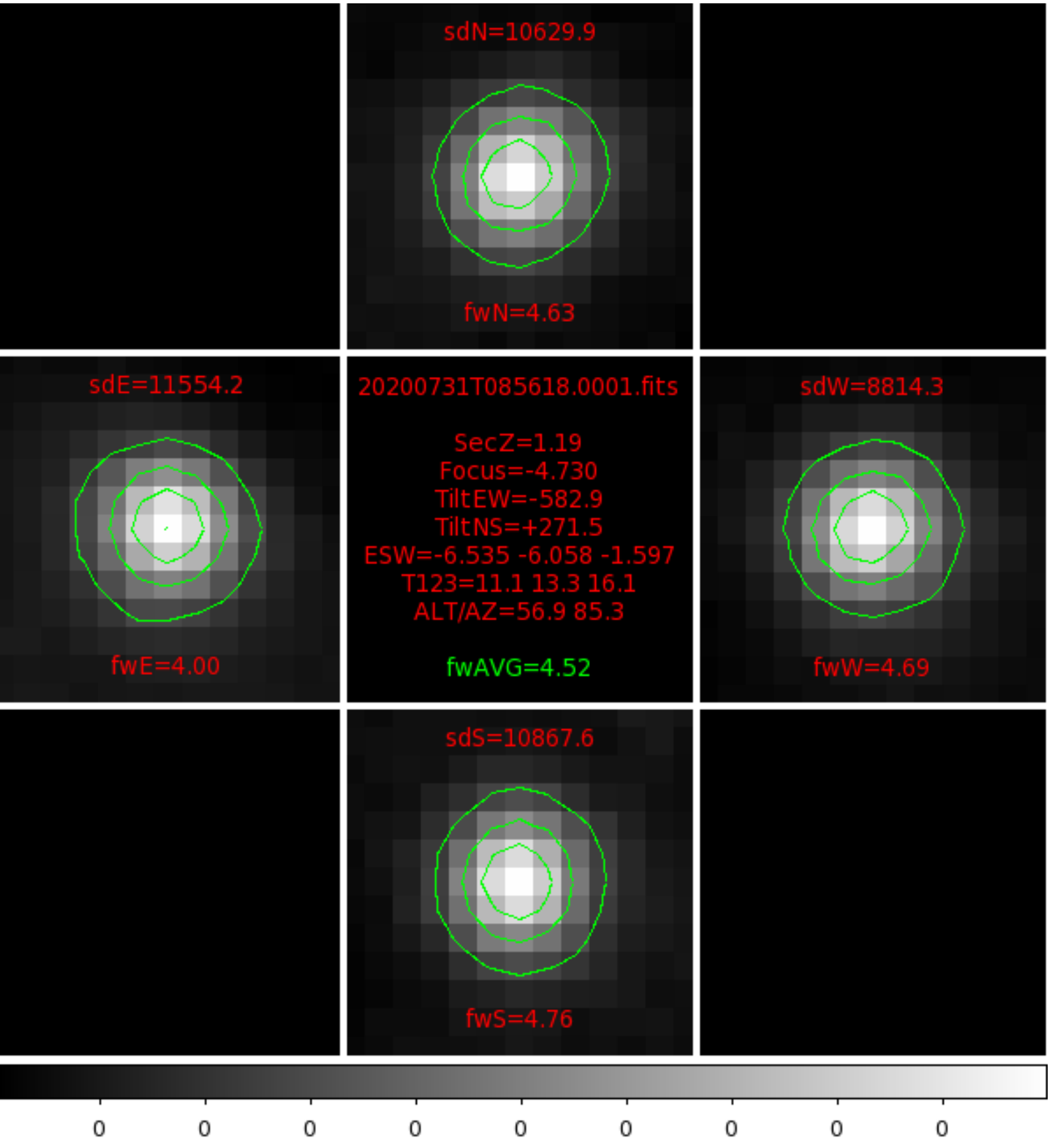
sdN=10629.9
fwN=4.63
sdE=11554.2
fwE=4.00
20200731T085618.0001.fits
SecZ=1.19
Focus=-4.730
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.535 -6.058 -1.597
T123=11.1 13.3 16.1
ALT/AZ=56.9 85.3
fwAVG=4.52
sdW=8814.3
fwW=4.69
sdS=10867.6
fwS=4.76
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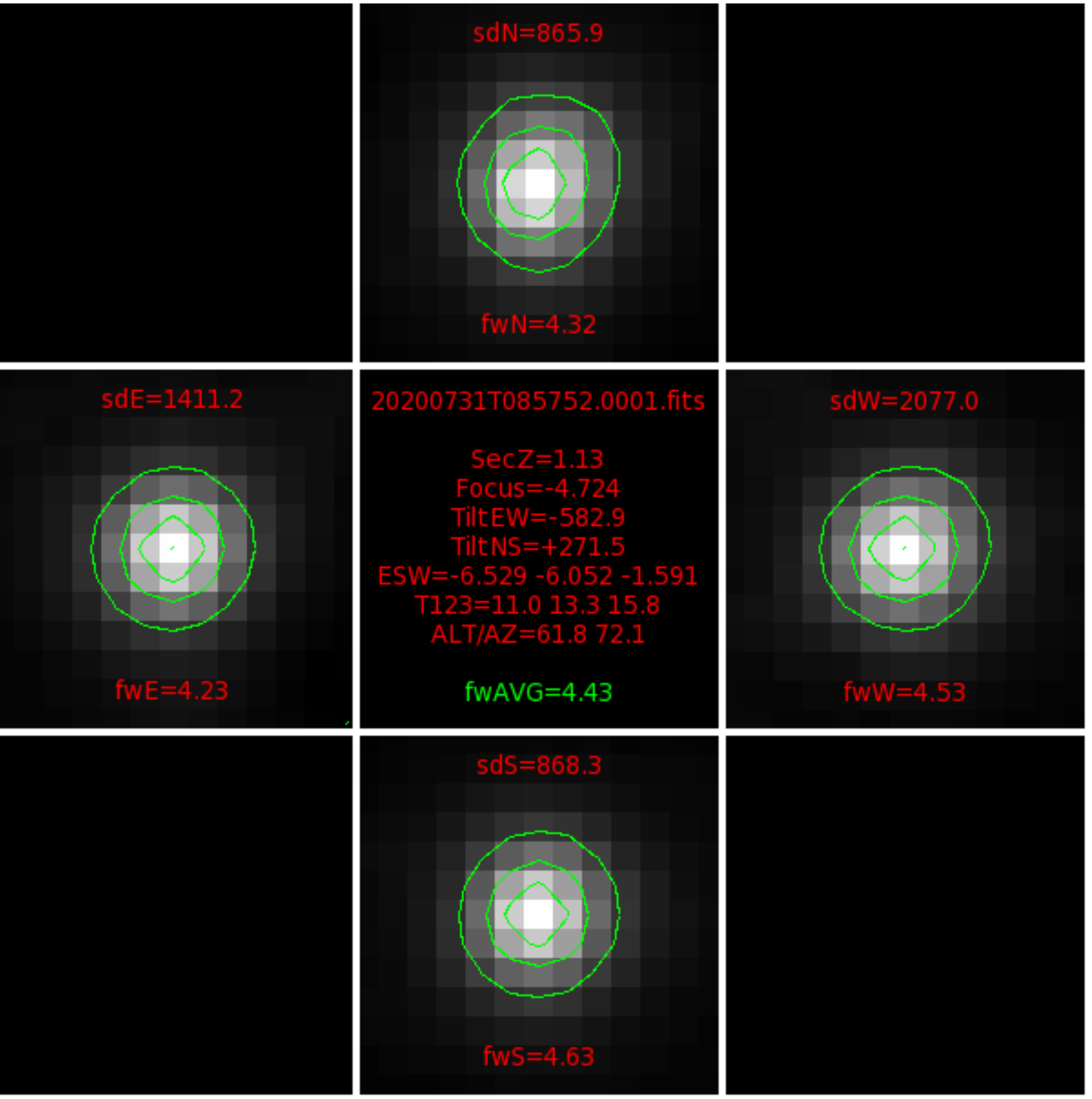
sdN=865.9
fwN=4.32
sdE=1411.2
fwE=4.23
20200731T085752.0001.fits
SecZ=1.13
Focus=-4.724
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.529 -6.052 -1.591
T123=11.0 13.3 15.8
ALT/AZ=61.8 72.1
fwAVG=4.43
sdW=2077.0
fwW=4.53
sdS=868.3
fwS=4.63
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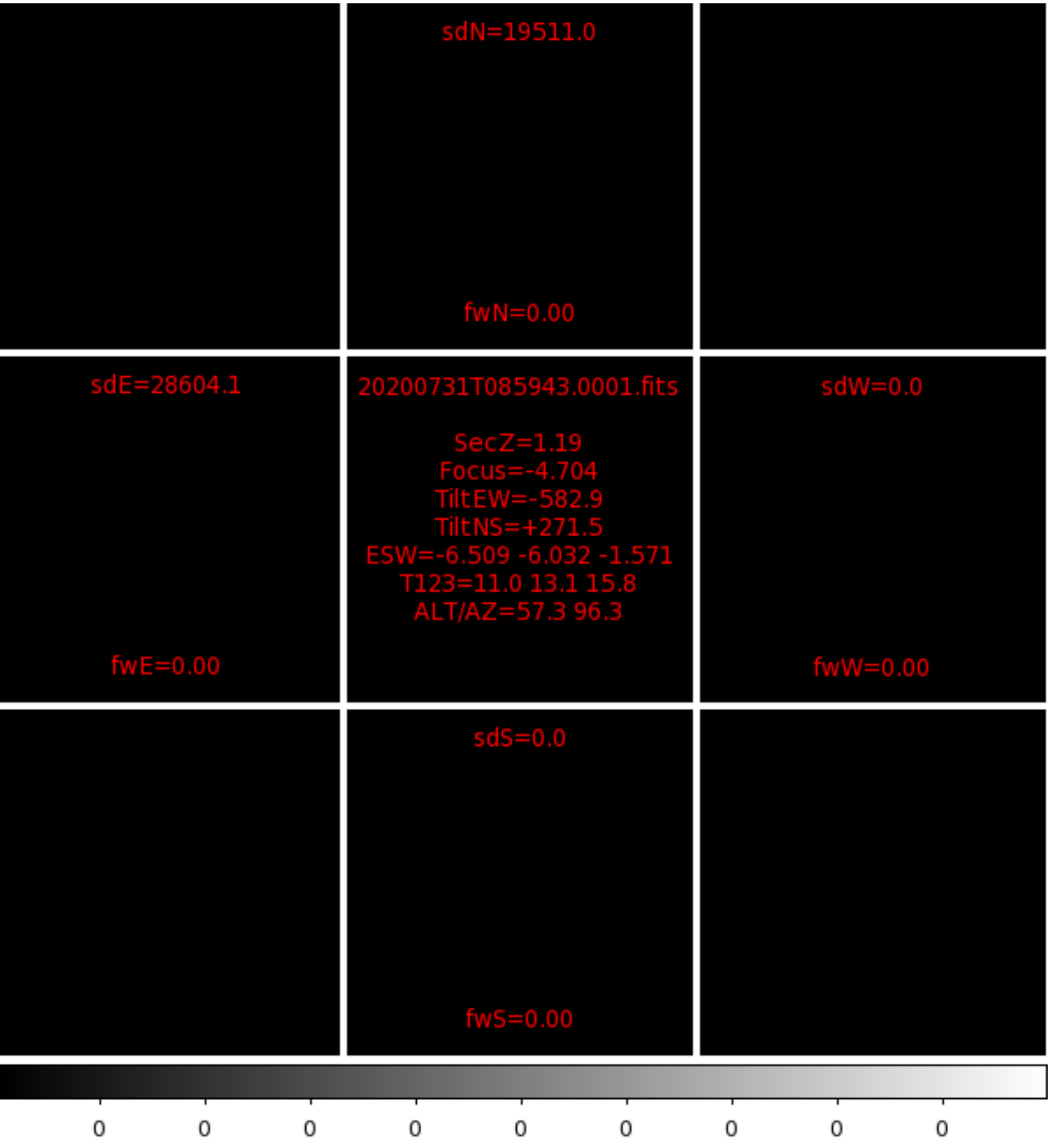
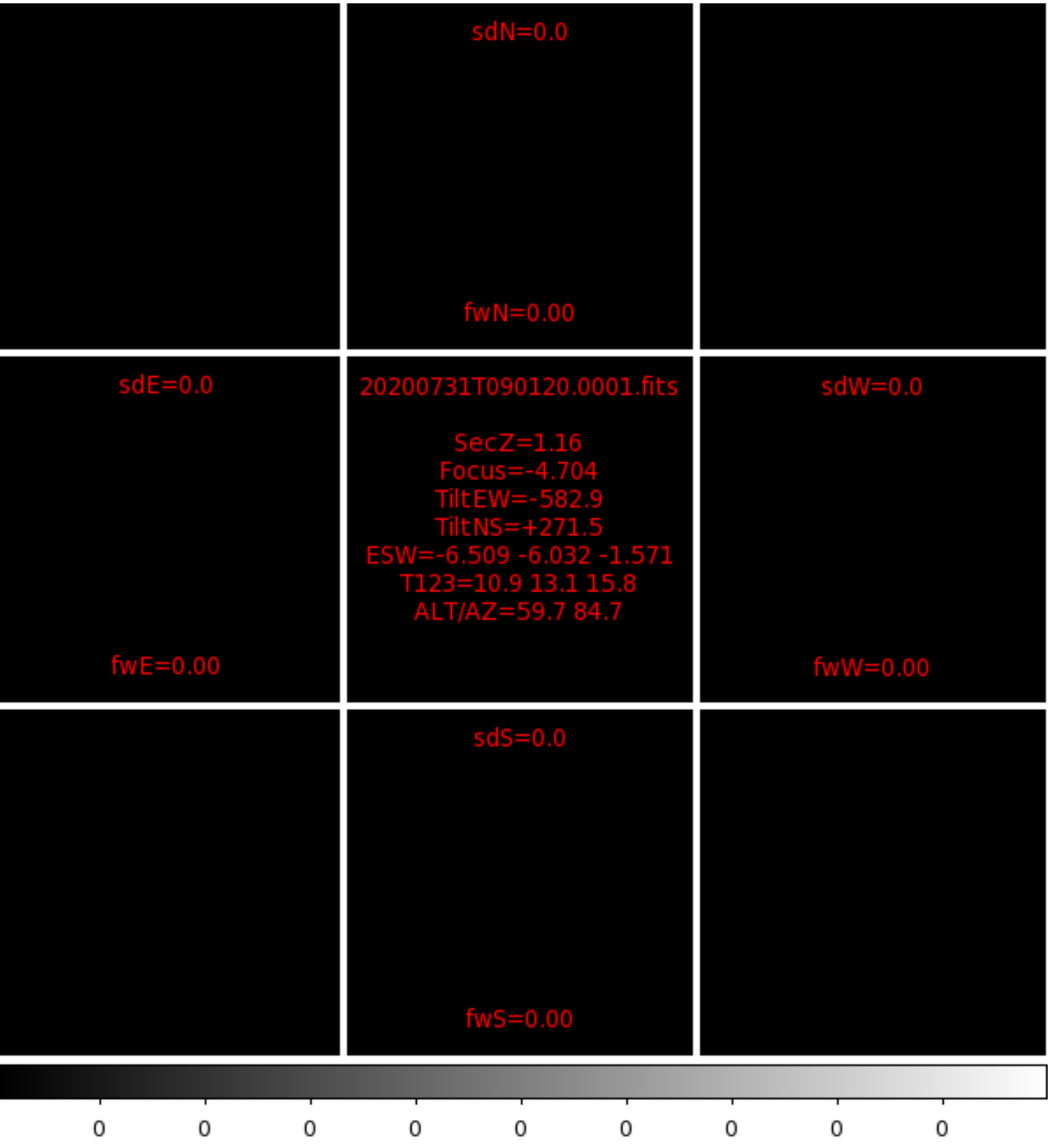

sdN=19511.0
fwN=0.00
sdE=28604.1
fwE=0.00
20200731T085943.0001.fits
SecZ=1.19
Focus=-4.704
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.509 -6.032 -1.571
T123=11.0 13.1 15.8
ALT/AZ=57.3 96.3
sdW=0.0
fwW=0.00
sdS=0.0
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=0.0
fwN=0.00
sdE=0.0
20200731T090120.0001.fits
SecZ=1.16
Focus=-4.704
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.509 -6.032 -1.571
T123=10.9 13.1 15.8
ALT/AZ=59.7 84.7
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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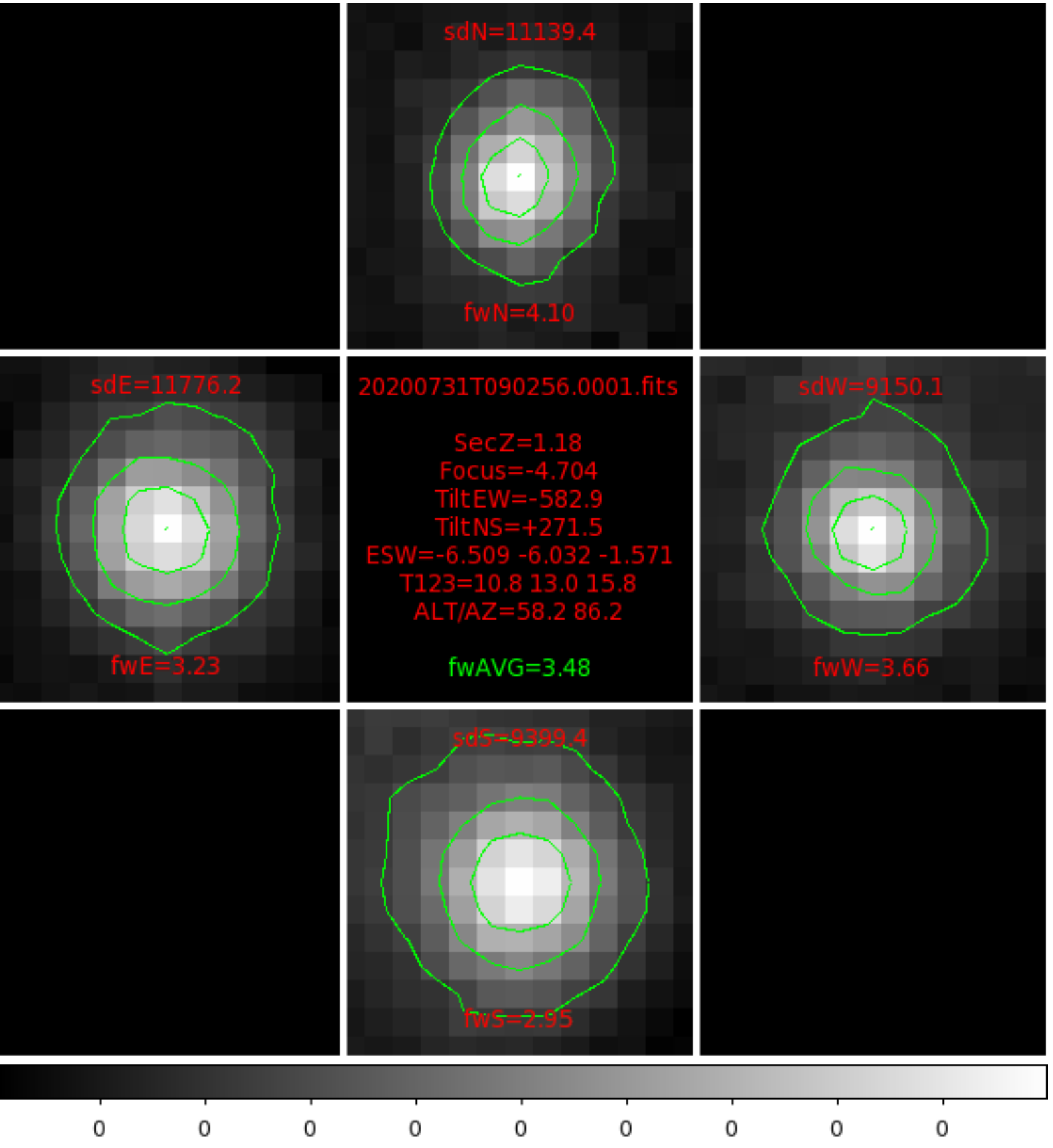
sdN=11139.4
fwN=4.10
sdE=11776.2
fwE=3.23
20200731T090256.0001.fits
SecZ=1.18
Focus=-4.704
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.509 -6.032 -1.571
T123=10.8 13.0 15.8
ALT/AZ=58.2 86.2
fwAVG=3.48
sdW=9150.1
fwW=3.66
sdS=9399.4
fwS=2.95
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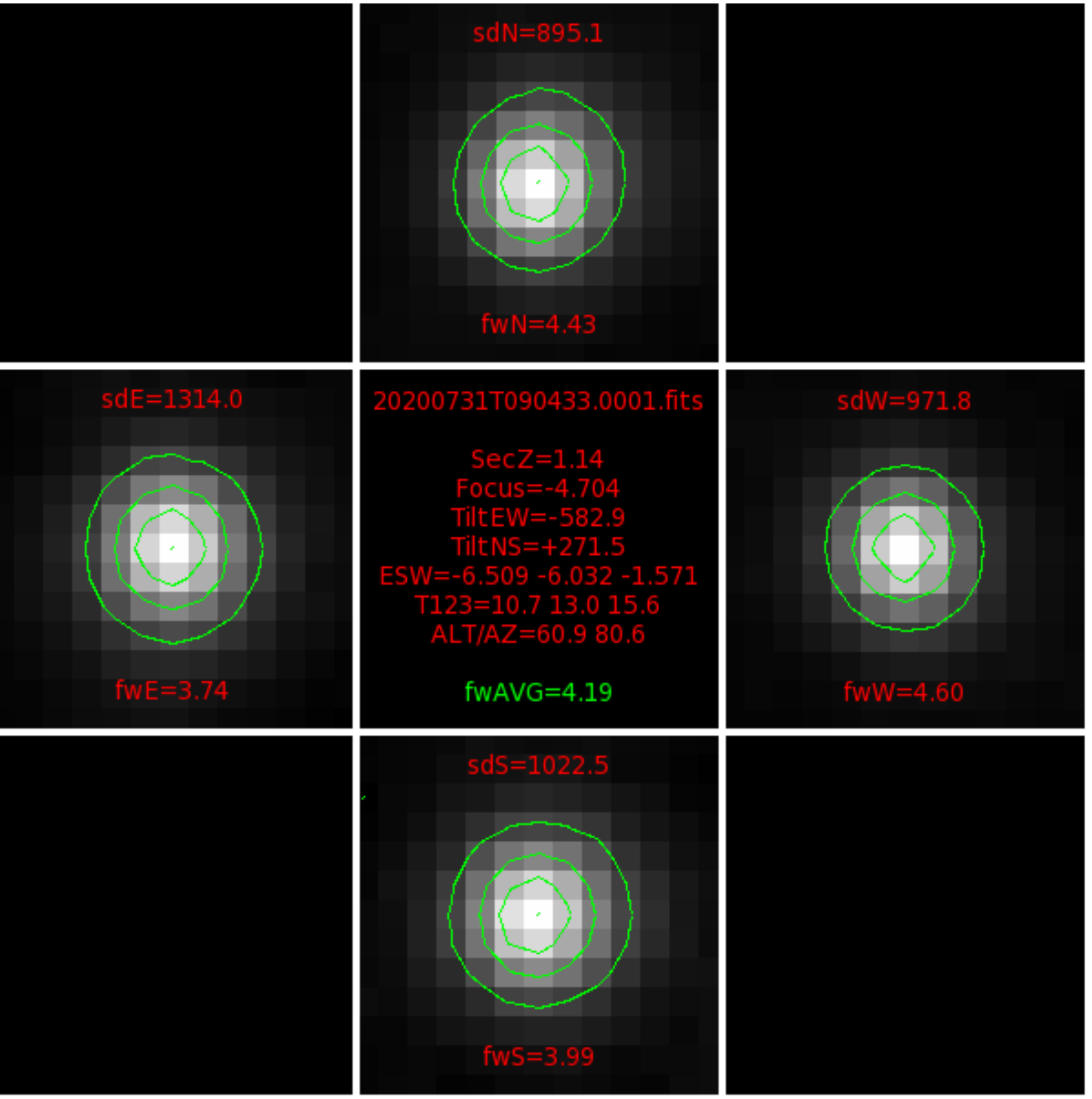
sdN=895.1
fwN=4.43
sdE=1314.0
fwE=3.74
20200731T090433.0001.fits
SecZ=1.14
Focus=-4.704
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.509 -6.032 -1.571
T123=10.7 13.0 15.6
ALT/AZ=60.9 80.6
fwAVG=4.19
sdW=971.8
fwW=4.60
sdS=1022.5
fwS=3.99
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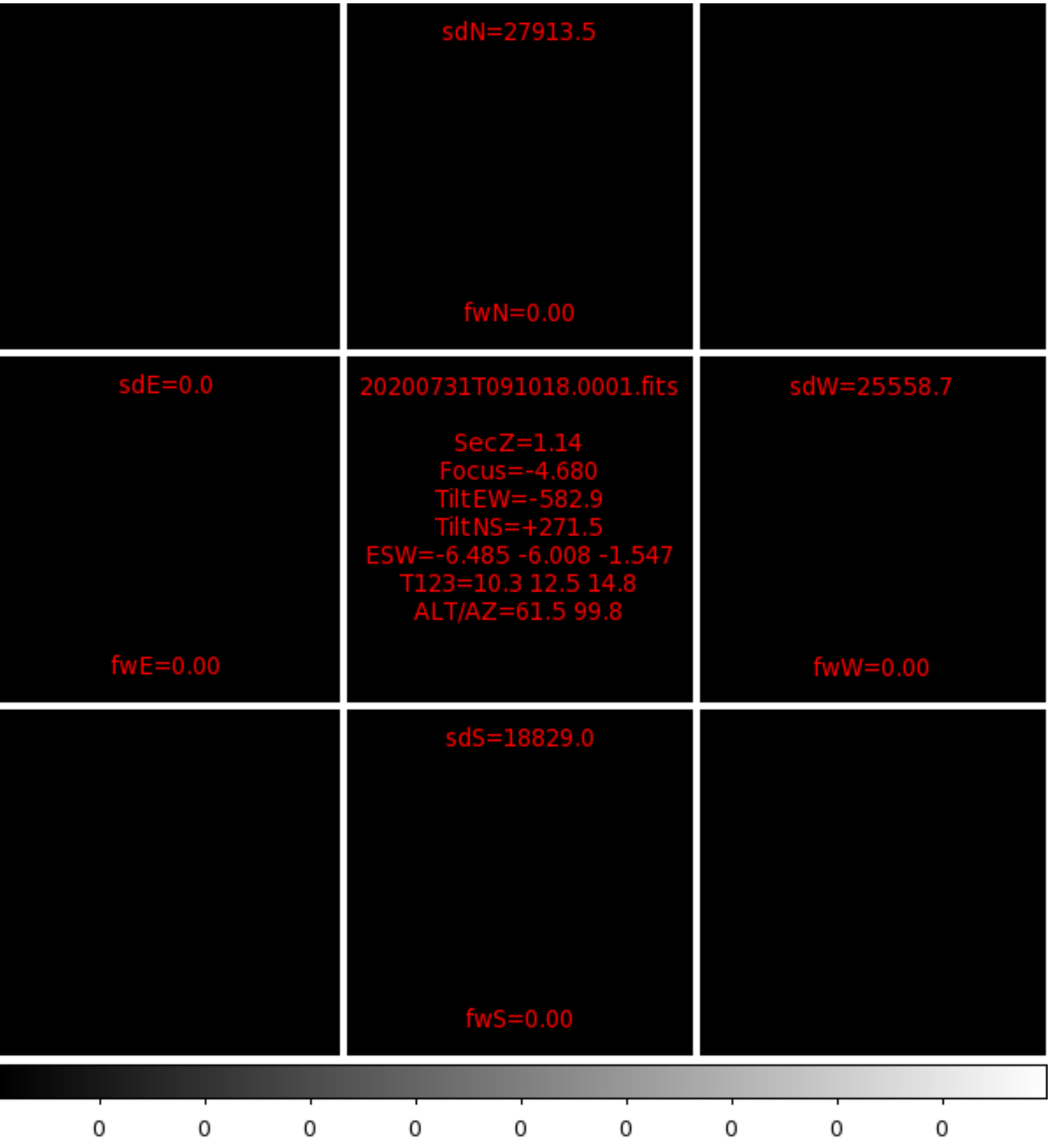
sdN=27913.5
fwN=0.00
sdE=0.0
20200731T091018.0001.fits
SecZ=1.14
Focus=-4.680
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.485 -6.008 -1.547
T123=10.3 12.5 14.8
ALT/AZ=61.5 99.8
sdW=25558.7
fwE=0.00
fwW=0.00
sdS=18829.0
fwS=0.00
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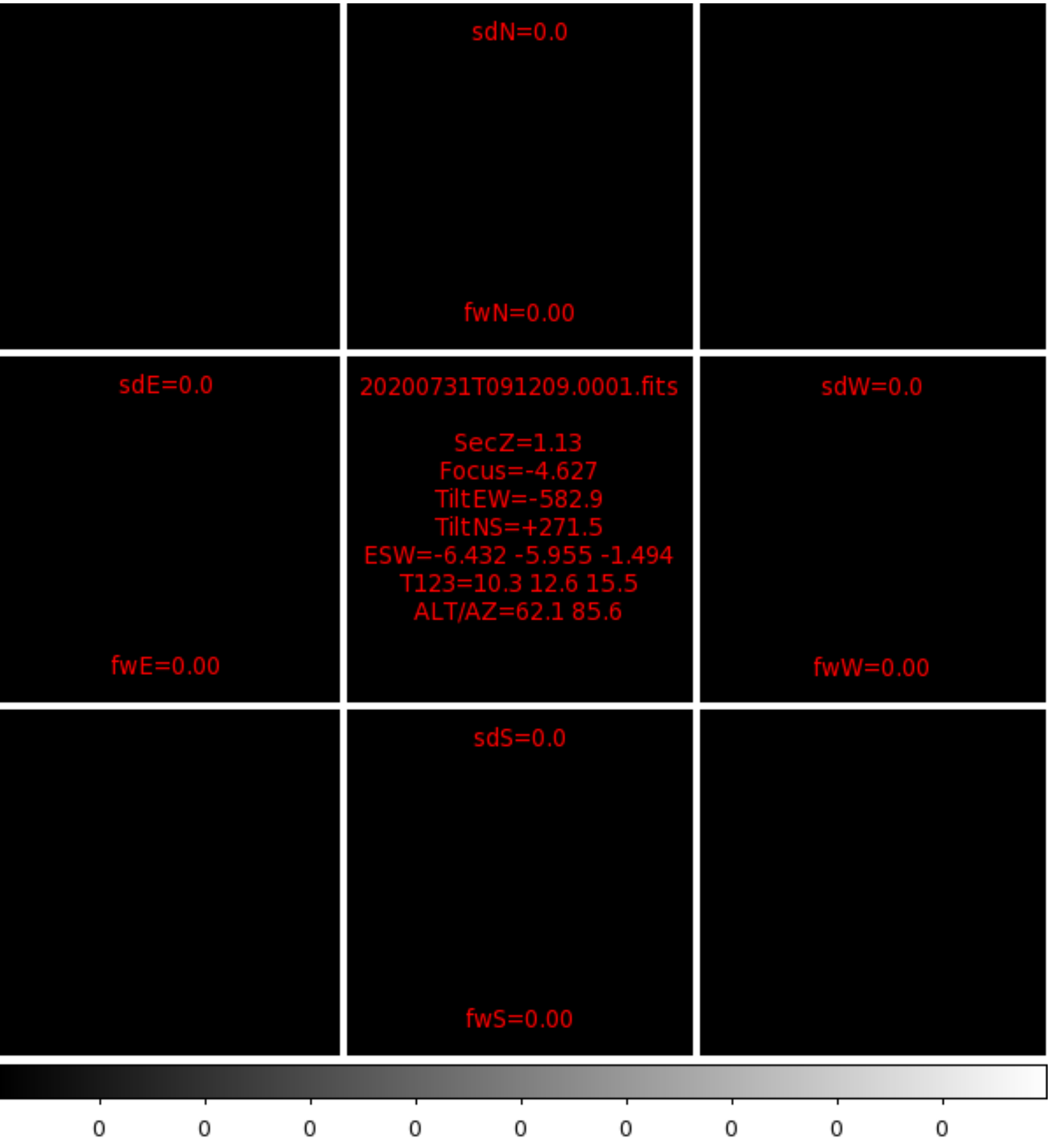
sdN=0.0
fwN=0.00
sdE=0.0
20200731T091209.0001.fits
SecZ=1.13
Focus=-4.627
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.432 -5.955 -1.494
T123=10.3 12.6 15.5
ALT/AZ=62.1 85.6
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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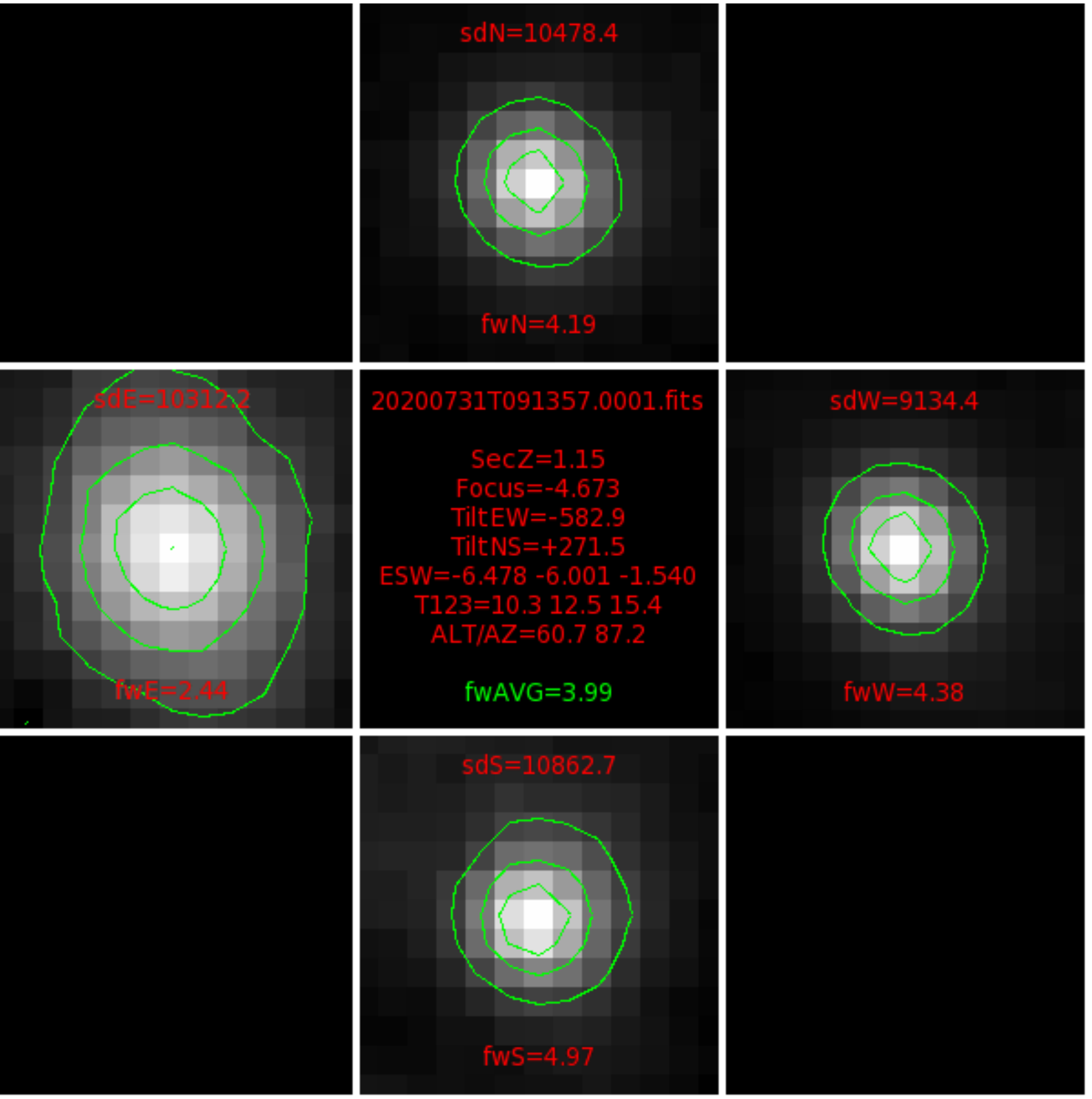
sdN=10478.4
fwN=4.19
sdE=10312.2
fwE=2.44
20200731T091357.0001.fits
SecZ=1.15
Focus=-4.673
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.478 -6.001 -1.540
T123=10.3 12.5 15.4
ALT/AZ=60.7 87.2
fwAVG=3.99
sdW=9134.4
fwW=4.38
sdS=10862.7
fwS=4.97
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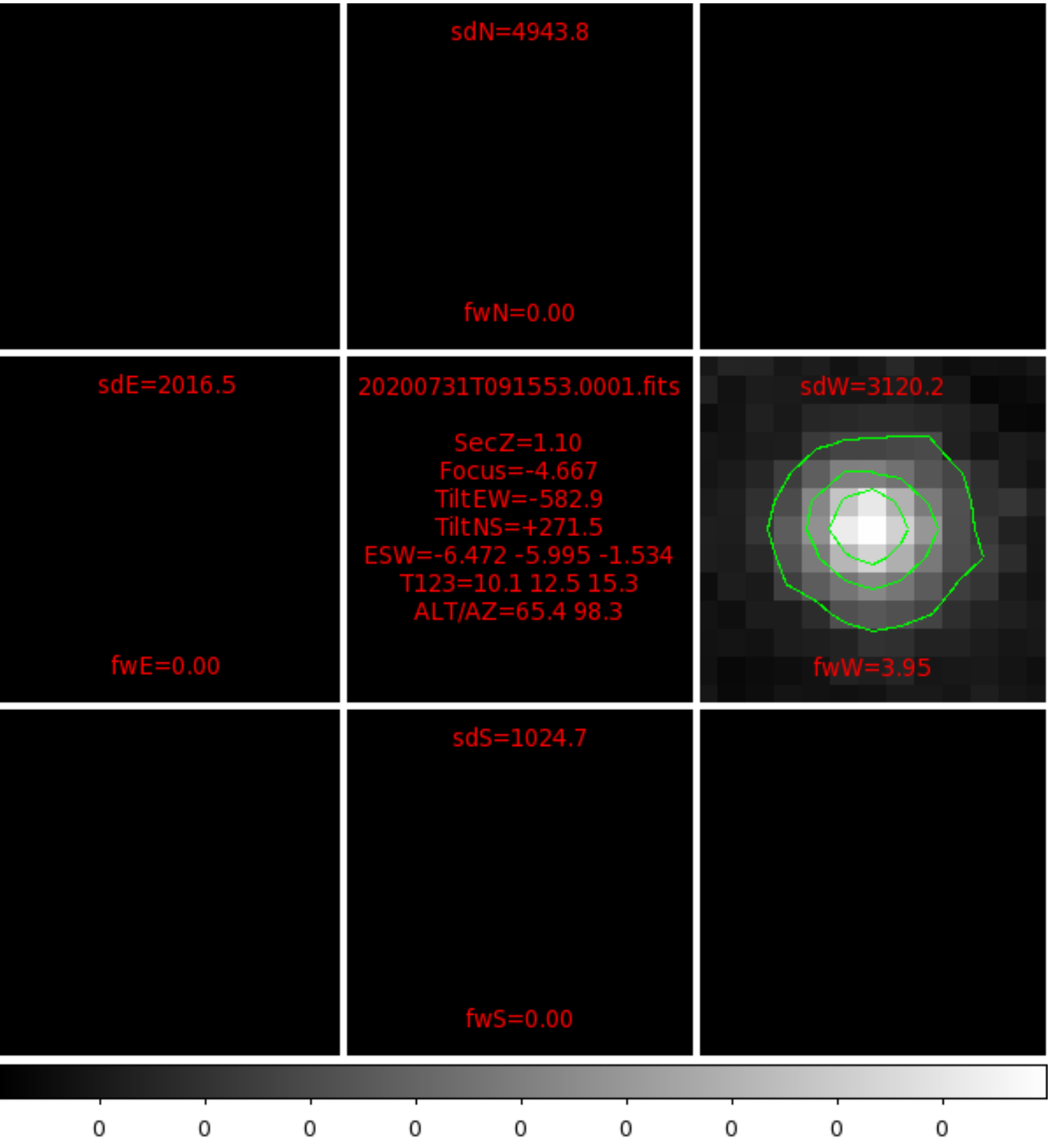
sdN=4943.8
fwN=0.00
sdE=2016.5
20200731T091553.0001.fits
SecZ=1.10
Focus=-4.667
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.472 -5.995 -1.534
T123=10.1 12.5 15.3
ALT/AZ=65.4 98.3
sdW=3120.2
fwE=0.00
fwW=3.95
sdS=1024.7
fwS=0.00
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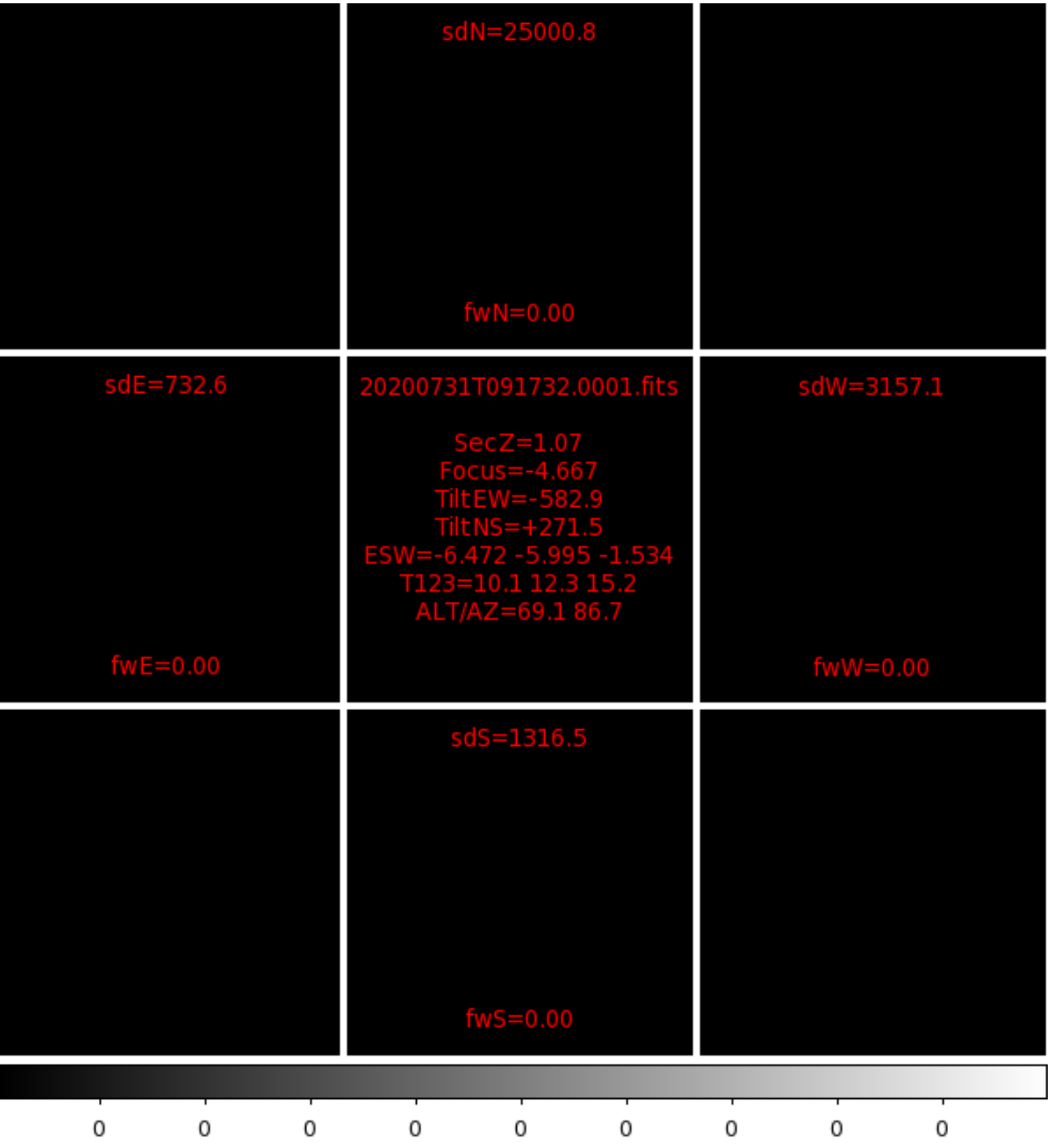
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fwN=0.00
sdE=732.6
fwE=0.00
20200731T091732.0001.fits
SecZ=1.07
Focus=-4.667
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.472 -5.995 -1.534
T123=10.1 12.3 15.2
ALT/AZ=69.1 86.7
sdW=3157.1
fwW=0.00
sdS=1316.5
fwS=0.00
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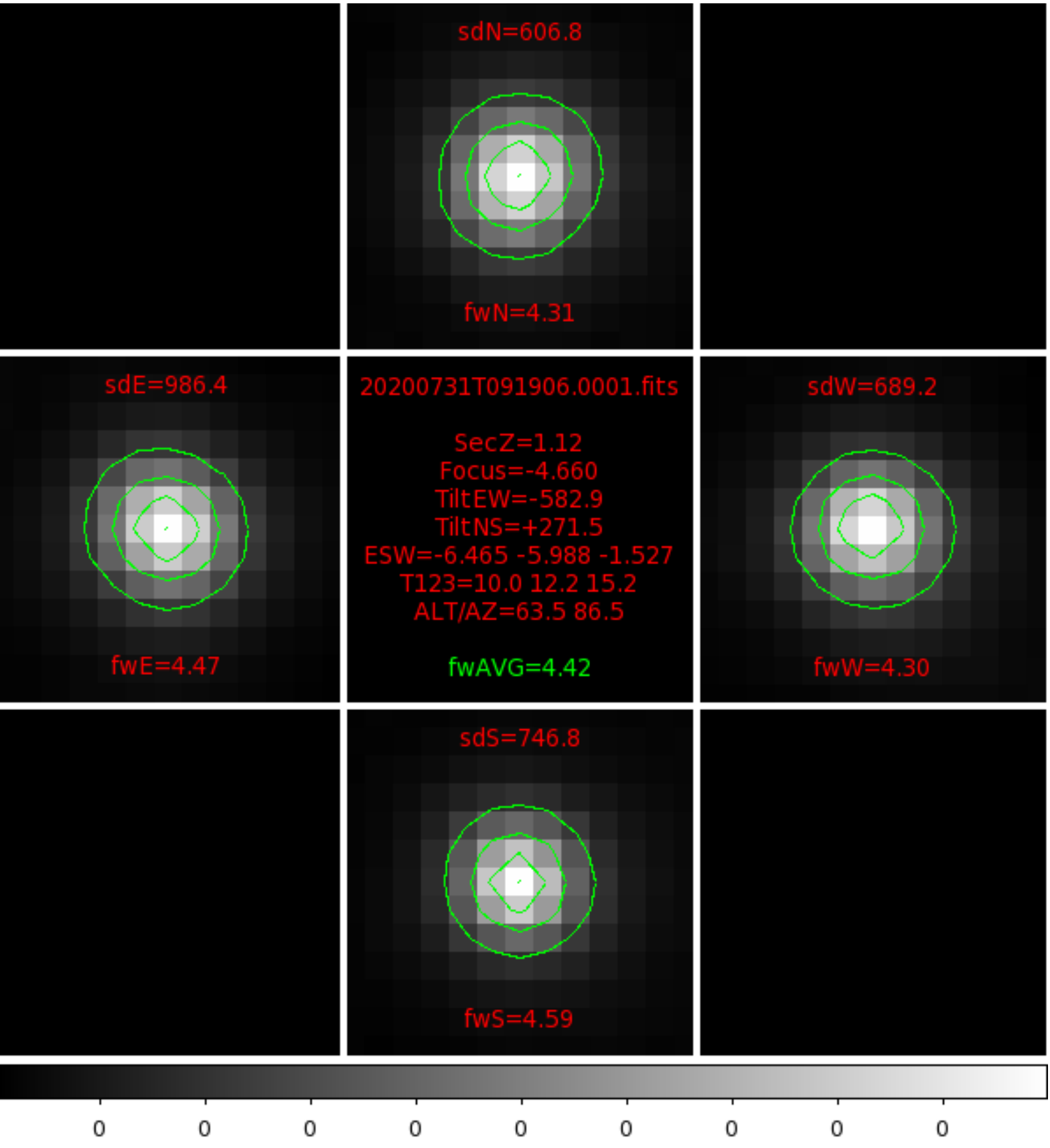
sdN=606.8
fwN=4.31
sdE=986.4
fwE=4.47
20200731T091906.0001.fits
SecZ=1.12
Focus=-4.660
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.465 -5.988 -1.527
T123=10.0 12.2 15.2
ALT/AZ=63.5 86.5
fwAVG=4.42
sdW=689.2
fwW=4.30
sdS=746.8
fwS=4.59
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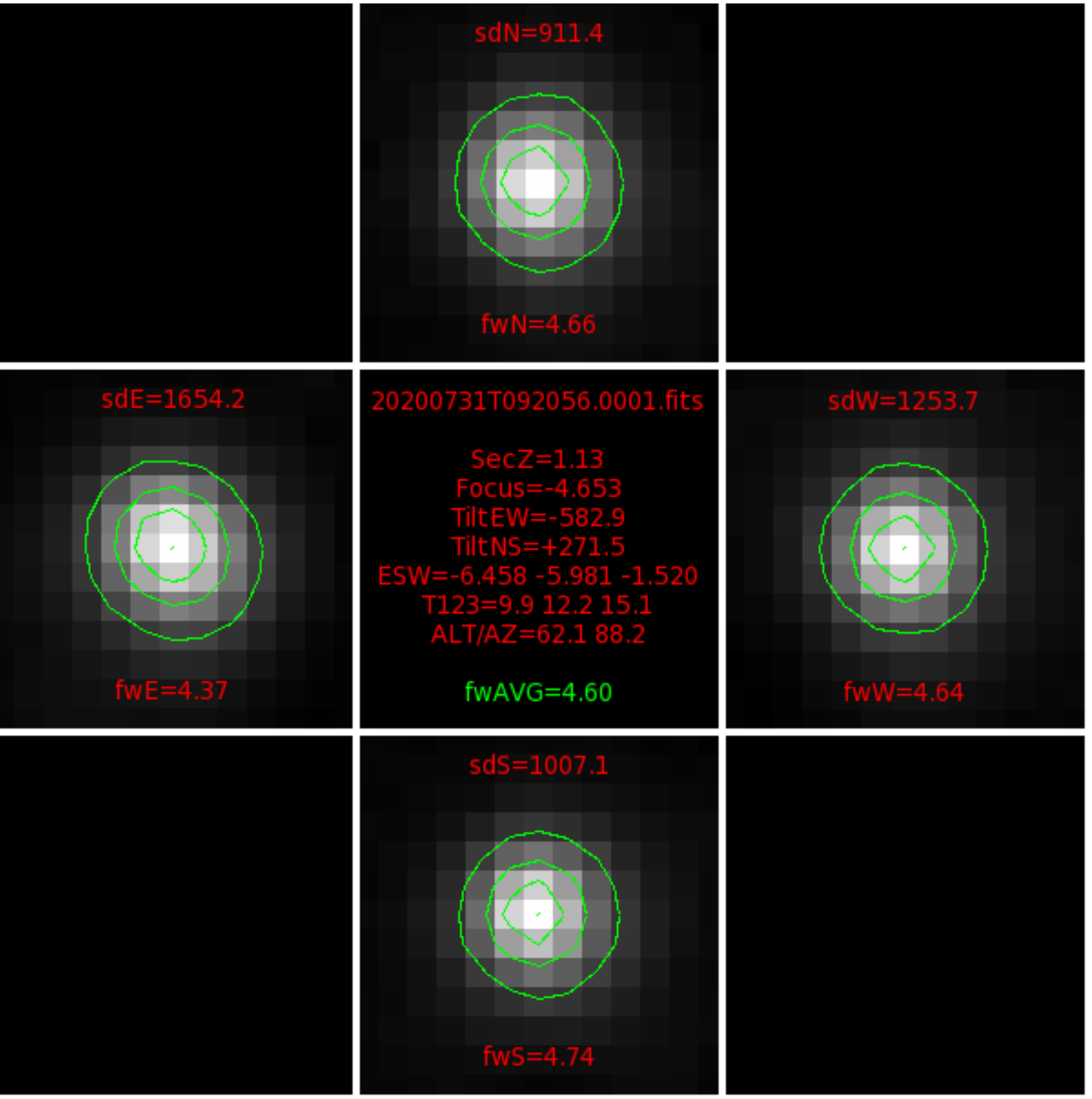
sdN=911.4
fwN=4.66
sdE=1654.2
fwE=4.37
20200731T092056.0001.fits
SecZ=1.13
Focus=-4.653
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.458 -5.981 -1.520
T123=9.9 12.2 15.1
ALT/AZ=62.1 88.2
fwAVG=4.60
sdW=1253.7
fwW=4.64
sdS=1007.1
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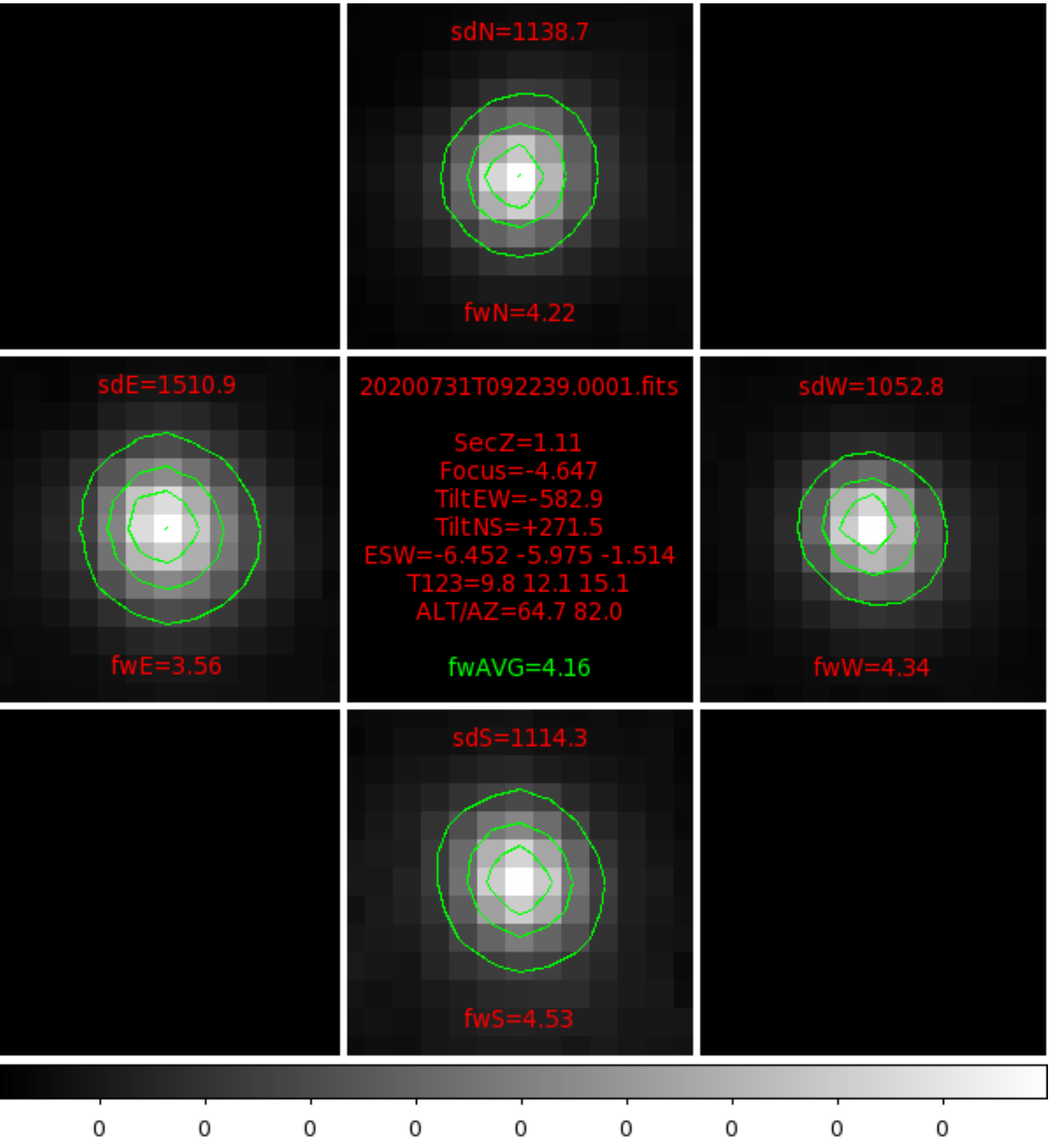
sdN=1138.7
fwN=4.22
sdE=1510.9
fwE=3.56
20200731T092239.0001.fits
SecZ=1.11
Focus=-4.647
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.452 -5.975 -1.514
T123=9.8 12.1 15.1
ALT/AZ=64.7 82.0
fwAVG=4.16
sdW=1052.8
fwW=4.34
sdS=1114.3
fwS=4.53
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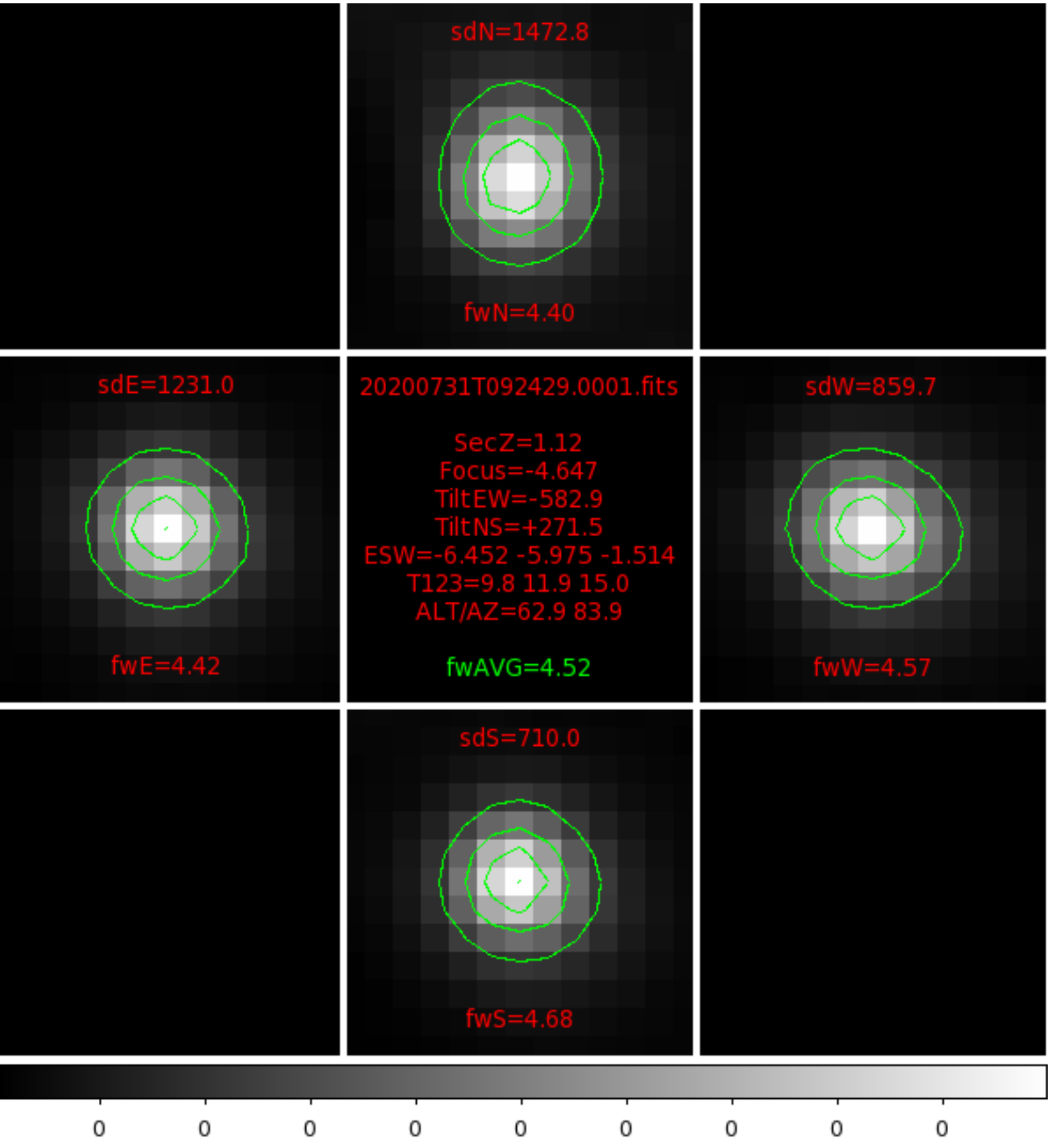
sdN=1472.8
fwN=4.40
sdE=1231.0
fwE=4.42
20200731T092429.0001.fits
SecZ=1.12
Focus=-4.647
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.452 -5.975 -1.514
T123=9.8 11.9 15.0
ALT/AZ=62.9 83.9
fwAVG=4.52
sdW=859.7
fwW=4.57
sdS=710.0
fwS=4.68
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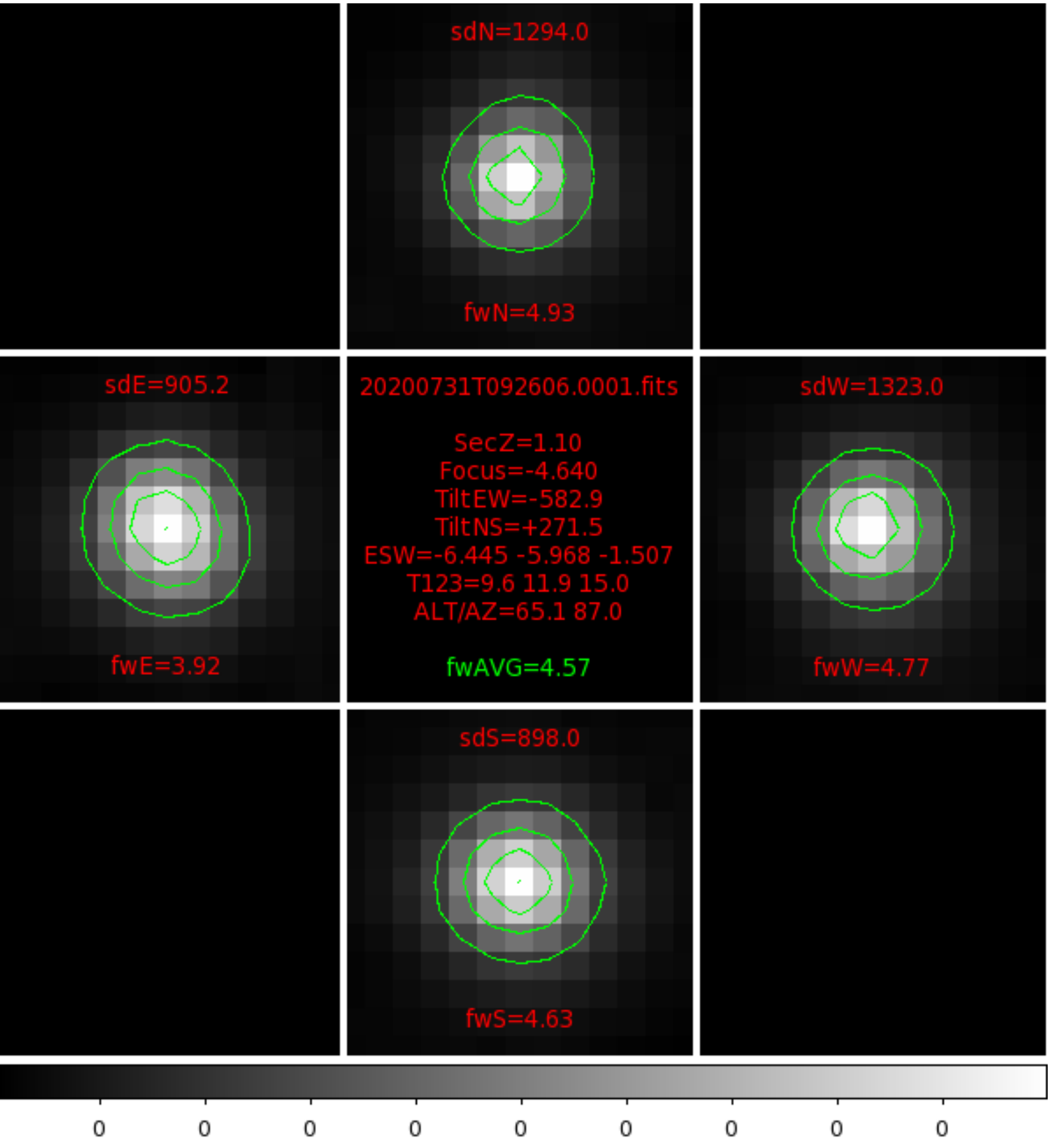
sdN=1294.0
fwN=4.93
sdE=905.2
fwE=3.92
20200731T092606.0001.fits
SecZ=1.10
Focus=-4.640
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.445 -5.968 -1.507
T123=9.6 11.9 15.0
ALT/AZ=65.1 87.0
fwAVG=4.57
sdW=1323.0
fwW=4.77
sdS=898.0
fwS=4.63
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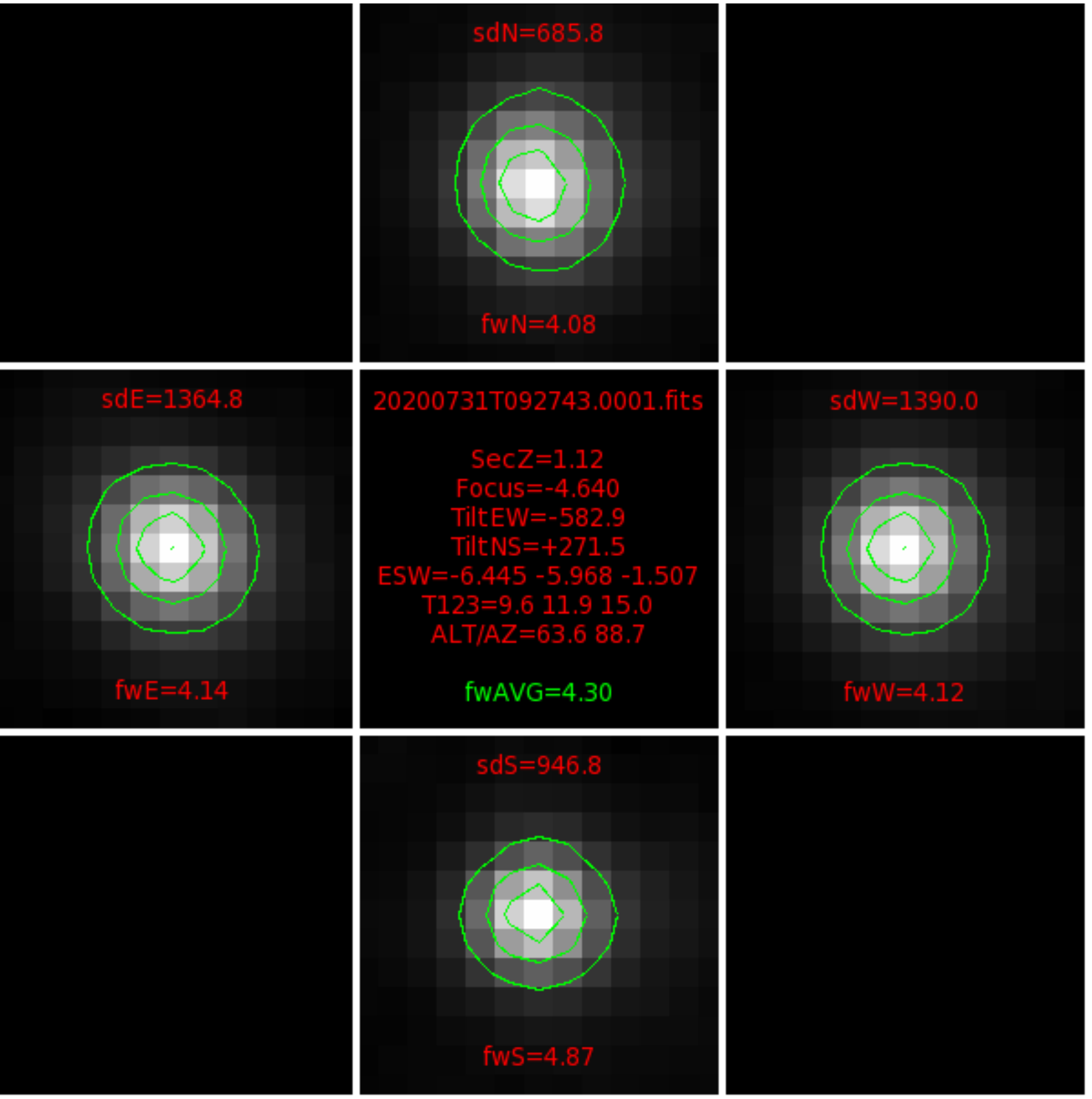
sdN=685.8
fwN=4.08
sdE=1364.8
fwE=4.14
20200731T092743.0001.fits
SecZ=1.12
Focus=-4.640
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.445 -5.968 -1.507
T123=9.6 11.9 15.0
ALT/AZ=63.6 88.7
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sdW=1390.0
fwW=4.12
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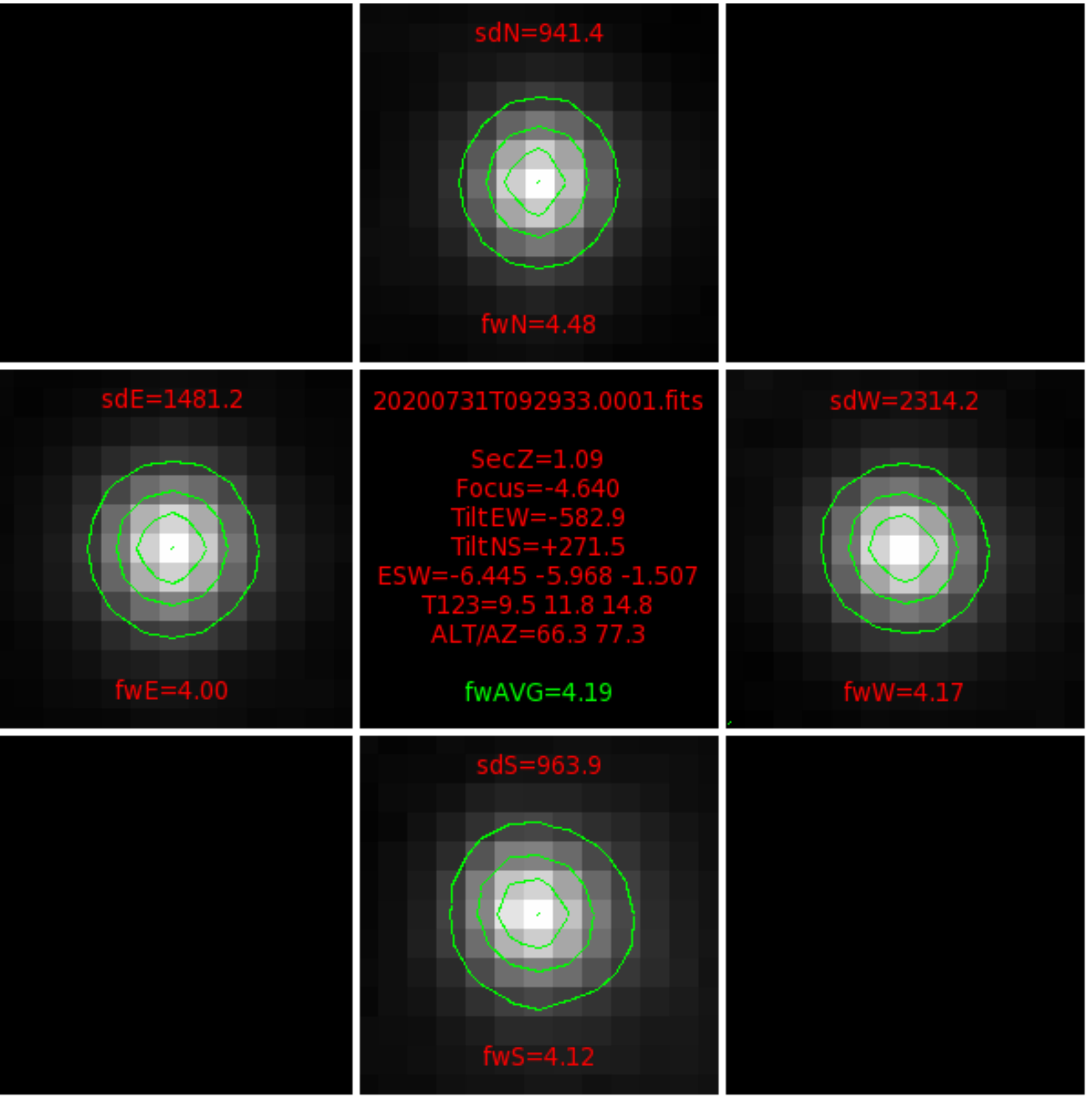
sdN=941.4
fwN=4.48
sdE=1481.2
fwE=4.00
20200731T092933.0001.fits
SecZ=1.09
Focus=-4.640
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.445 -5.968 -1.507
T123=9.5 11.8 14.8
ALT/AZ=66.3 77.3
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sdW=2314.2
fwW=4.17
sdS=963.9
fwS=4.12
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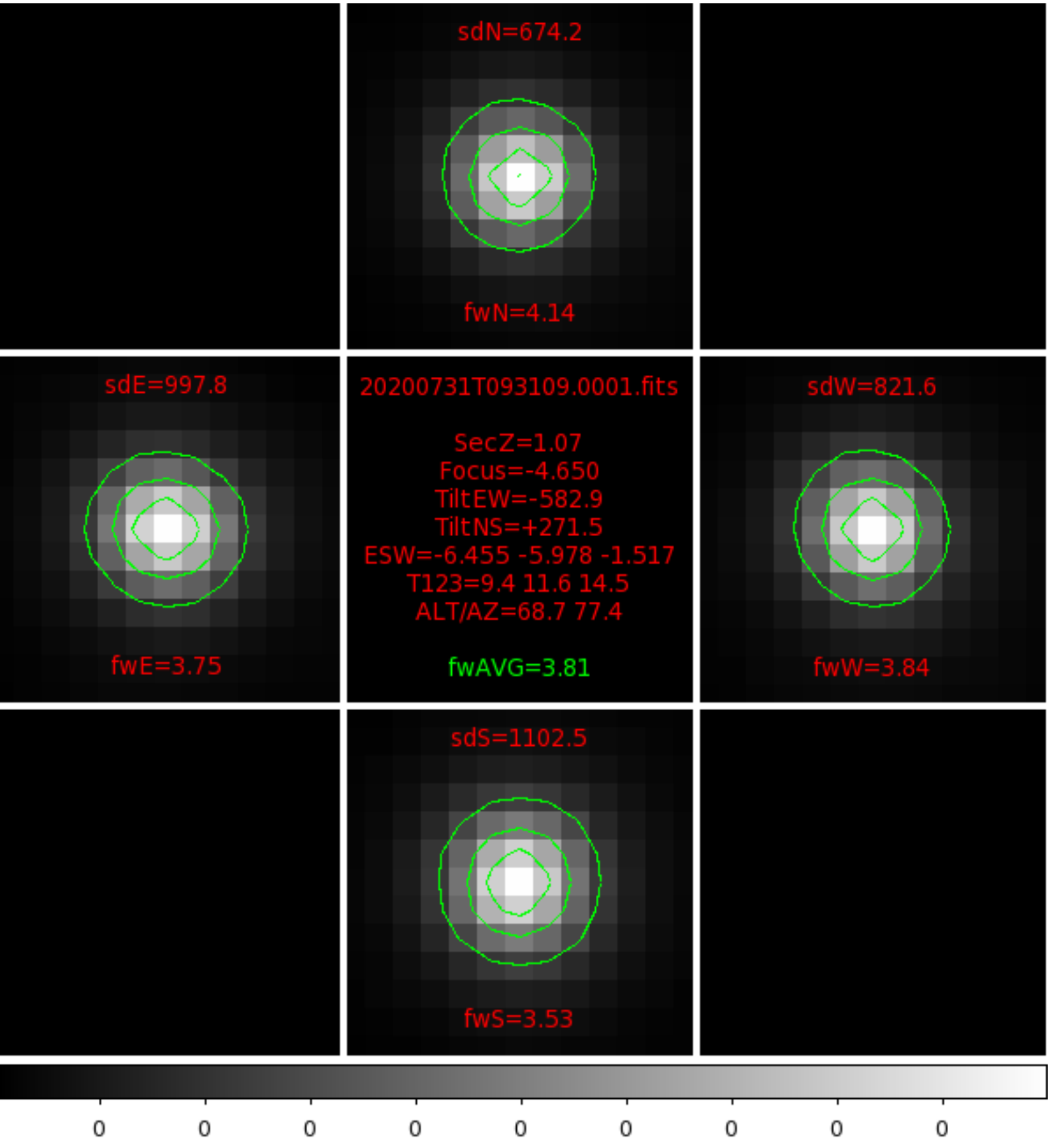
sdN=674.2
fwN=4.14
sdE=997.8
fwE=3.75
20200731T093109.0001.fits
SecZ=1.07
Focus=-4.650
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.455 -5.978 -1.517
T123=9.4 11.6 14.5
ALT/AZ=68.7 77.4
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sdW=821.6
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sdS=1102.5
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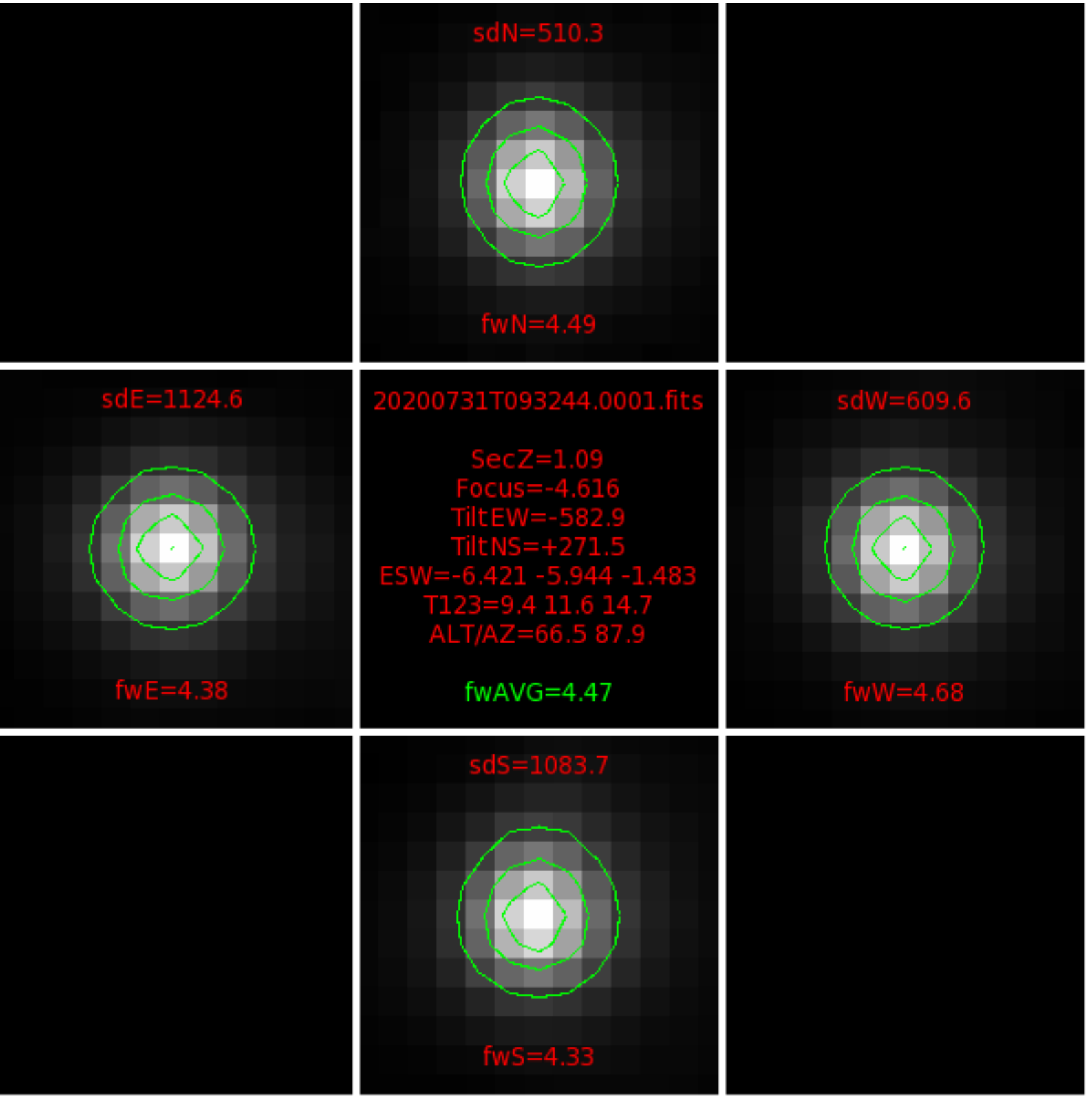
sdN=510.3
fwN=4.49
sdE=1124.6
fwE=4.38
20200731T093244.0001.fits
SecZ=1.09
Focus=-4.616
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.421 -5.944 -1.483
T123=9.4 11.6 14.7
ALT/AZ=66.5 87.9
fwAVG=4.47
sdW=609.6
fwW=4.68
sdS=1083.7
fwS=4.33
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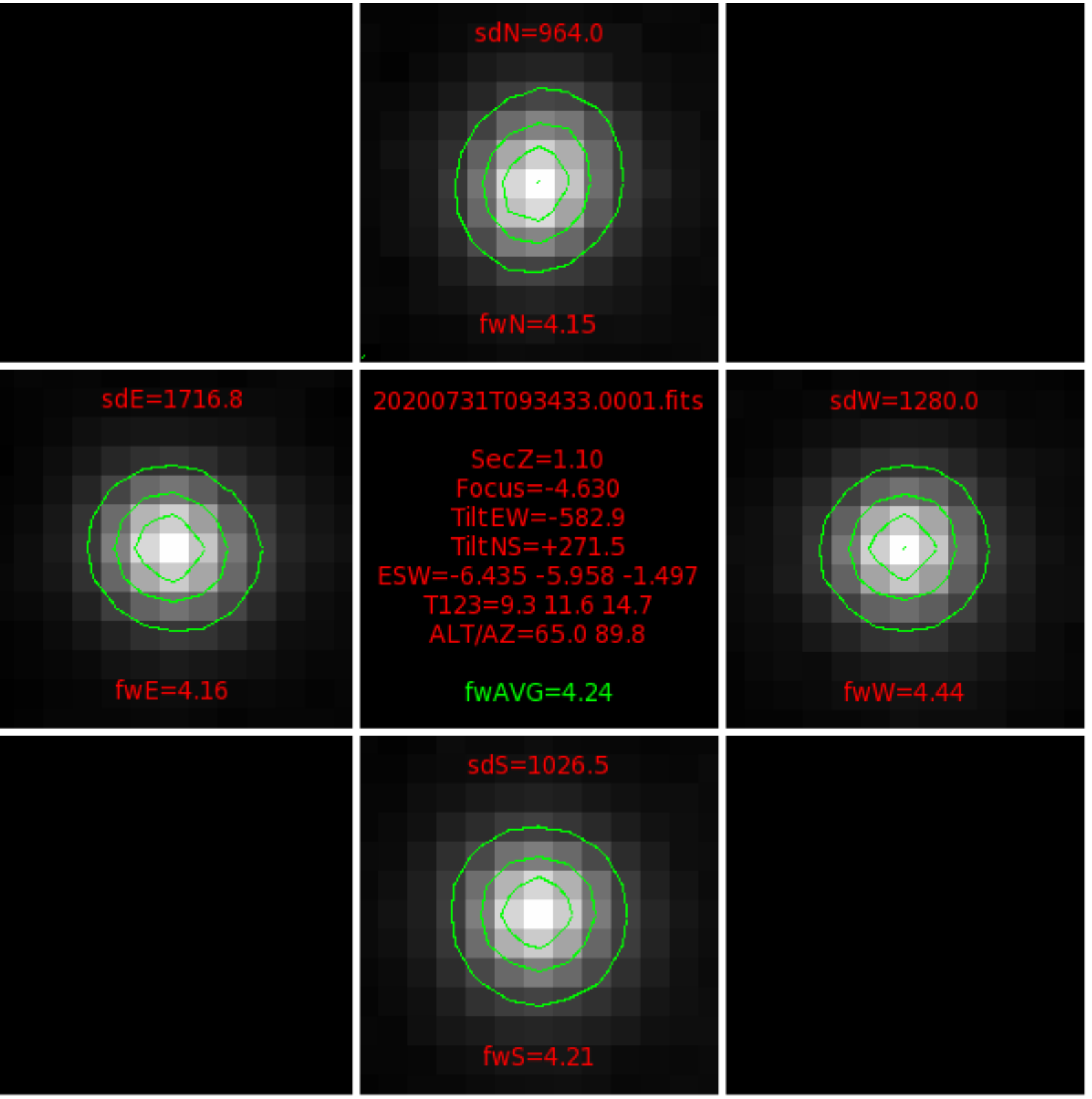
sdN=964.0
fwN=4.15
sdE=1716.8
fwE=4.16
20200731T093433.0001.fits
SecZ=1.10
Focus=-4.630
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.435 -5.958 -1.497
T123=9.3 11.6 14.7
ALT/AZ=65.0 89.8
fwAVG=4.24
sdW=1280.0
fwW=4.44
sdS=1026.5
fwS=4.21
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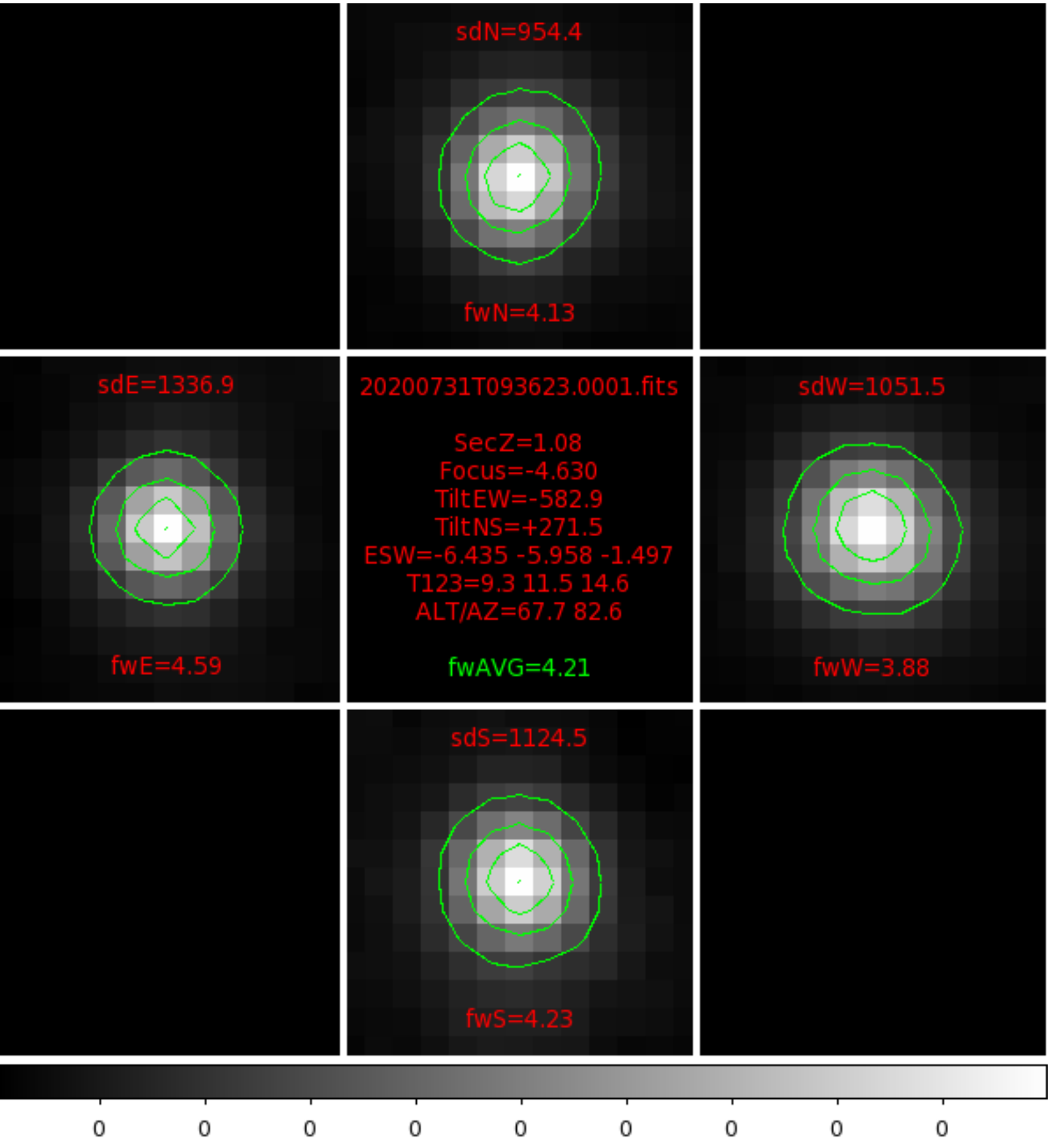
sdN=954.4
fwN=4.13
sdE=1336.9
fwE=4.59
20200731T093623.0001.fits
SecZ=1.08
Focus=-4.630
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.435 -5.958 -1.497
T123=9.3 11.5 14.6
ALT/AZ=67.7 82.6
fwAVG=4.21
sdW=1051.5
fwW=3.88
sdS=1124.5
fwS=4.23
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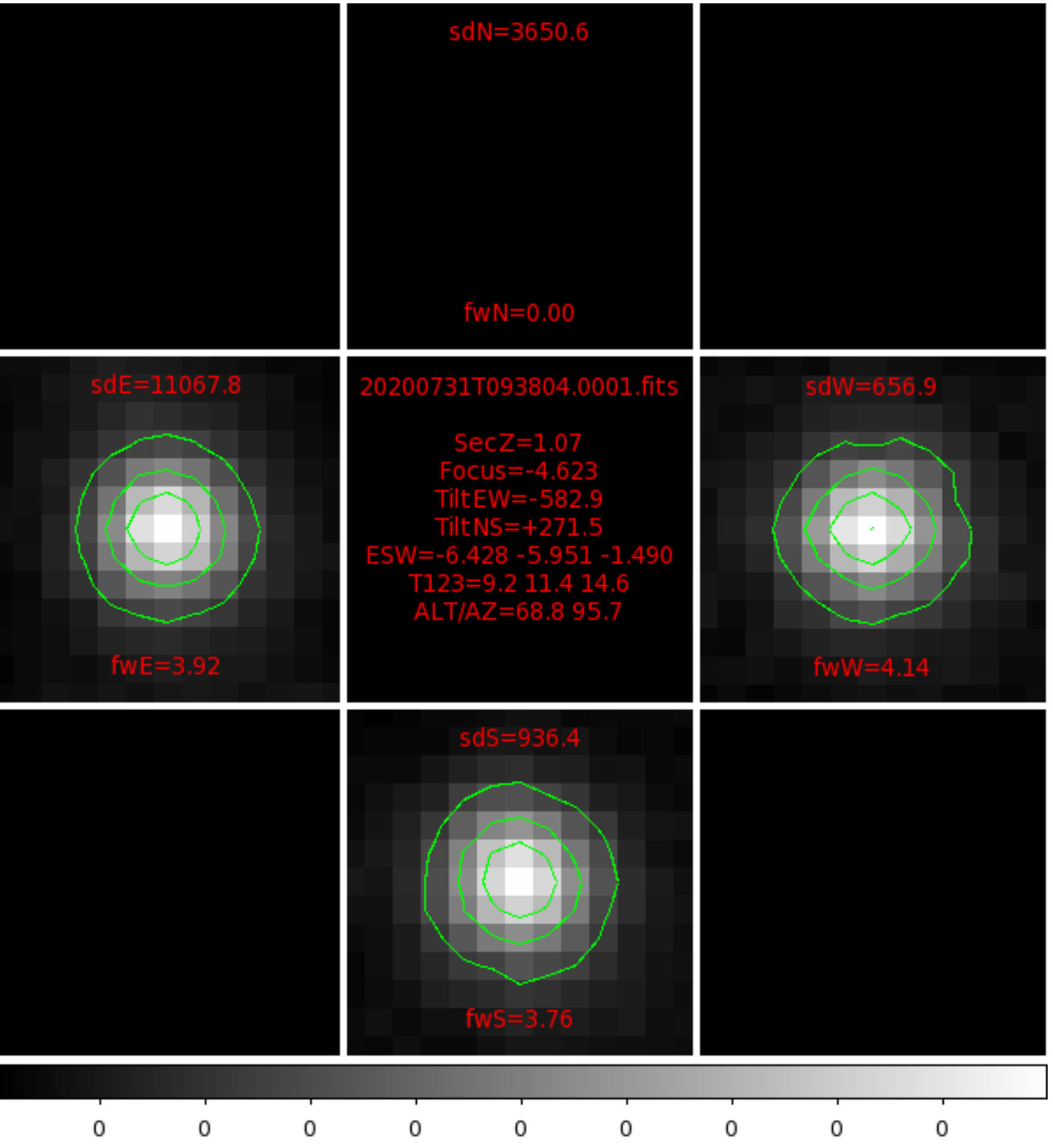
sdN=3650.6
fwN=0.00
sdE=11067.8
fwE=3.92
20200731T093804.0001.fits
SecZ=1.07
Focus=-4.623
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.428 -5.951 -1.490
T123=9.2 11.4 14.6
ALT/AZ=68.8 95.7
sdW=656.9
fwW=4.14
sdS=936.4
fwS=3.76
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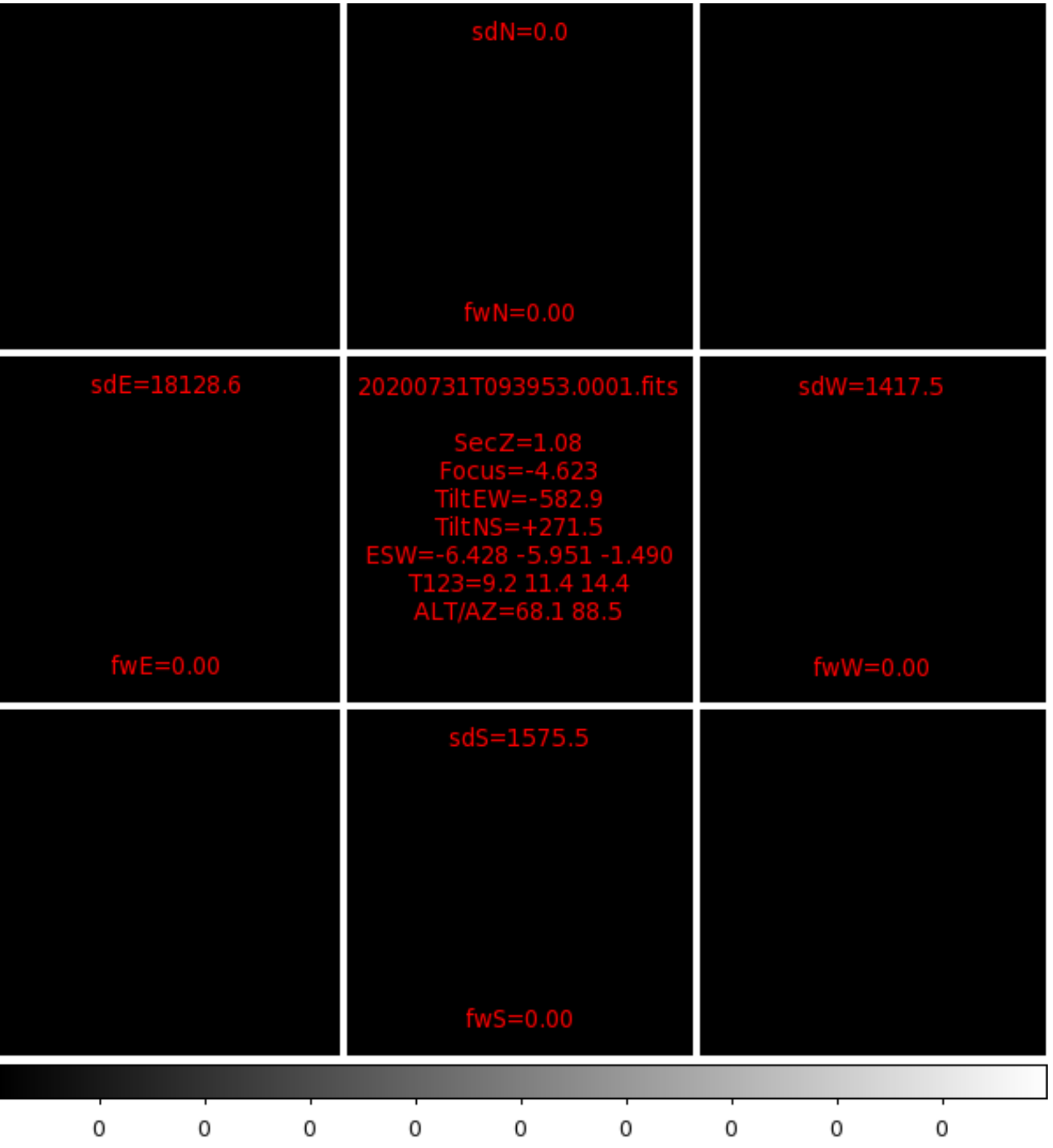
sdN=0.0
fwN=0.00
sdE=18128.6
fwE=0.00
20200731T093953.0001.fits
SecZ=1.08
Focus=-4.623
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.428 -5.951 -1.490
T123=9.2 11.4 14.4
ALT/AZ=68.1 88.5
sdW=1417.5
fwW=0.00
sdS=1575.5
fwS=0.00
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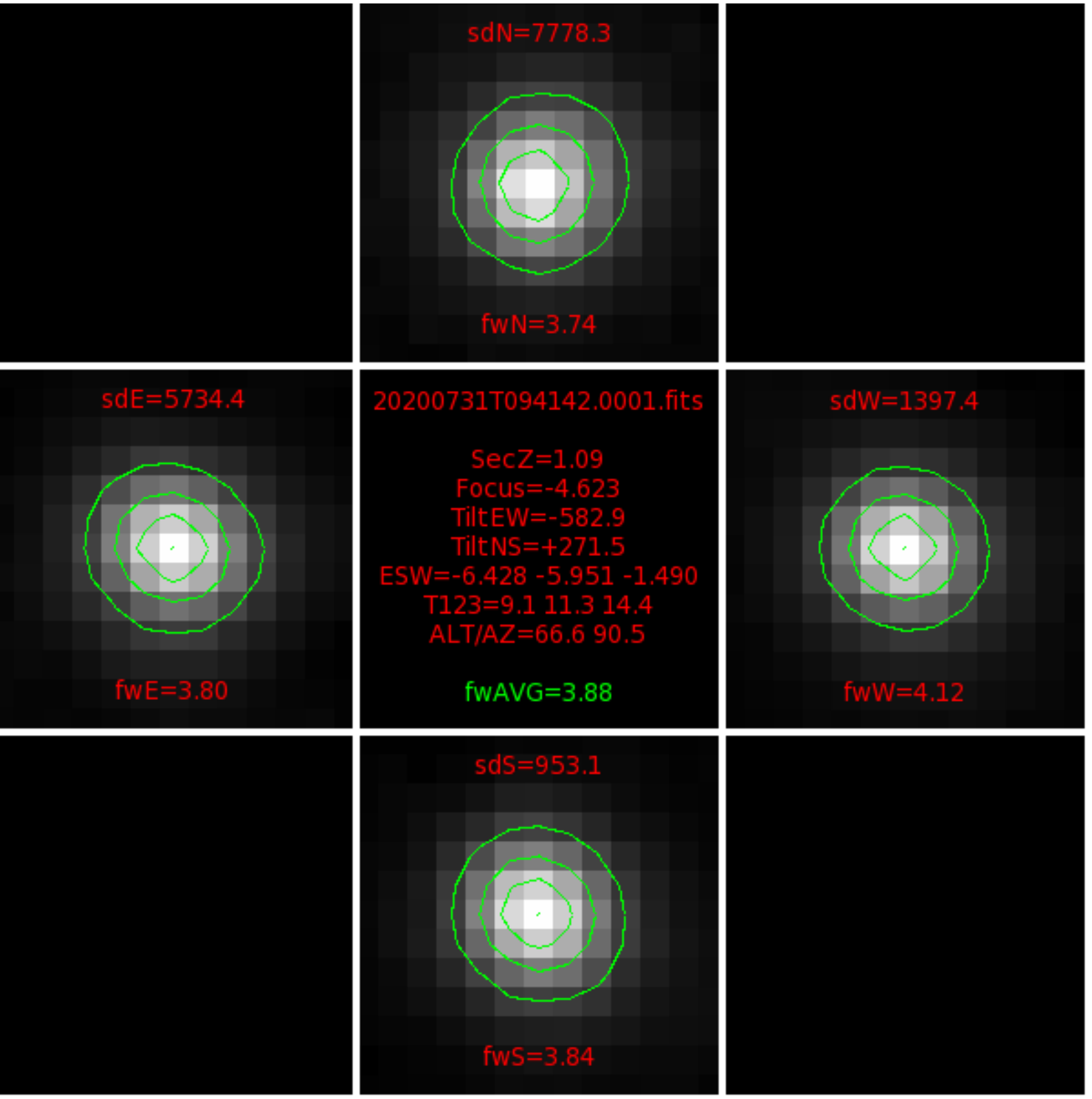
sdN=7778.3
fwN=3.74
sdE=5734.4
fwE=3.80
20200731T094142.0001.fits
SecZ=1.09
Focus=-4.623
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.428 -5.951 -1.490
T123=9.1 11.3 14.4
ALT/AZ=66.6 90.5
fwAVG=3.88
sdW=1397.4
fwW=4.12
sdS=953.1
fwS=3.84
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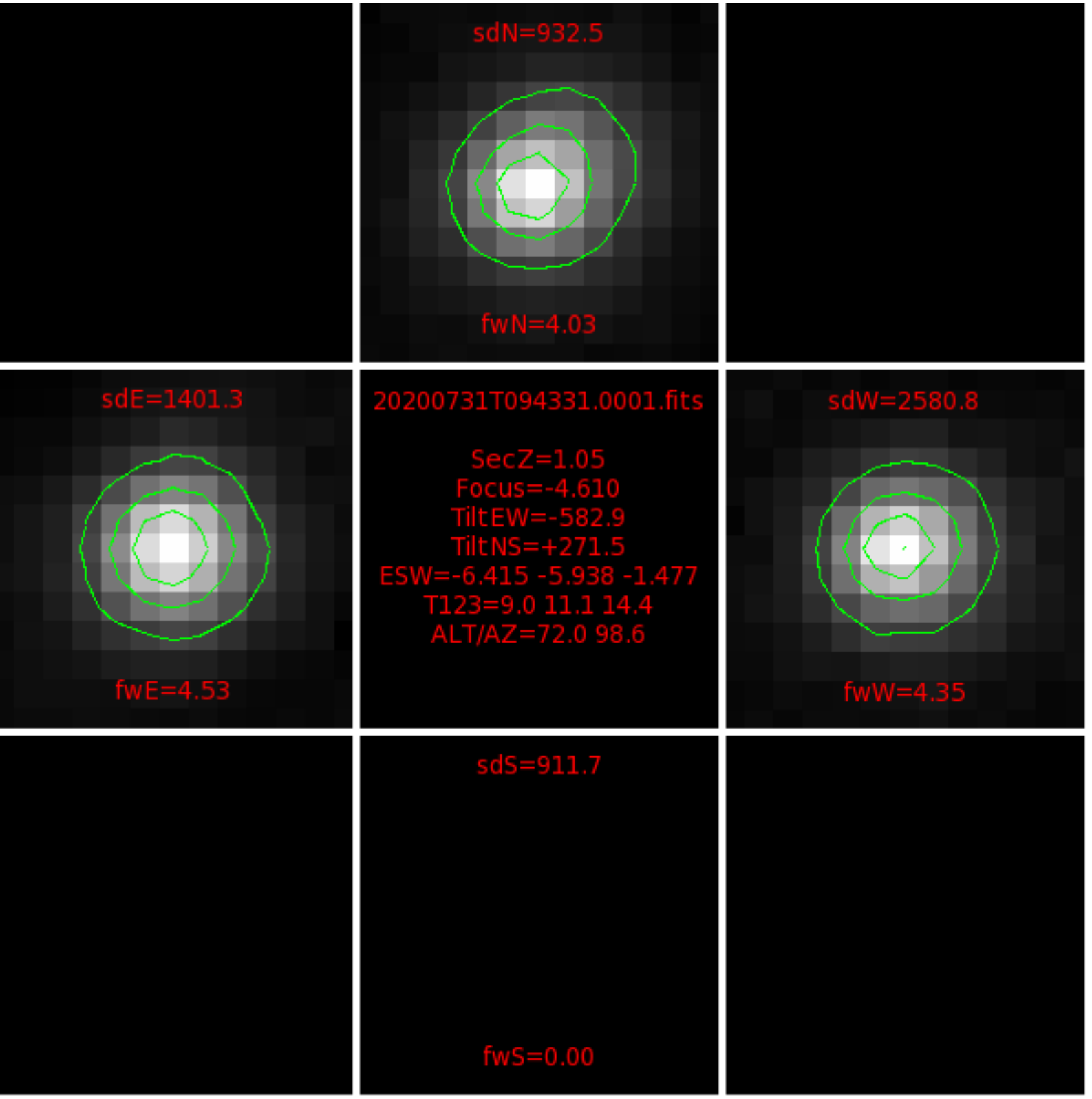
sdN=932.5
fwN=4.03
sdE=1401.3
fwE=4.53
20200731T094331.0001.fits
SecZ=1.05
Focus=-4.610
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.415 -5.938 -1.477
T123=9.0 11.1 14.4
ALT/AZ=72.0 98.6
sdW=2580.8
fwW=4.35
sdS=911.7
fwS=0.00
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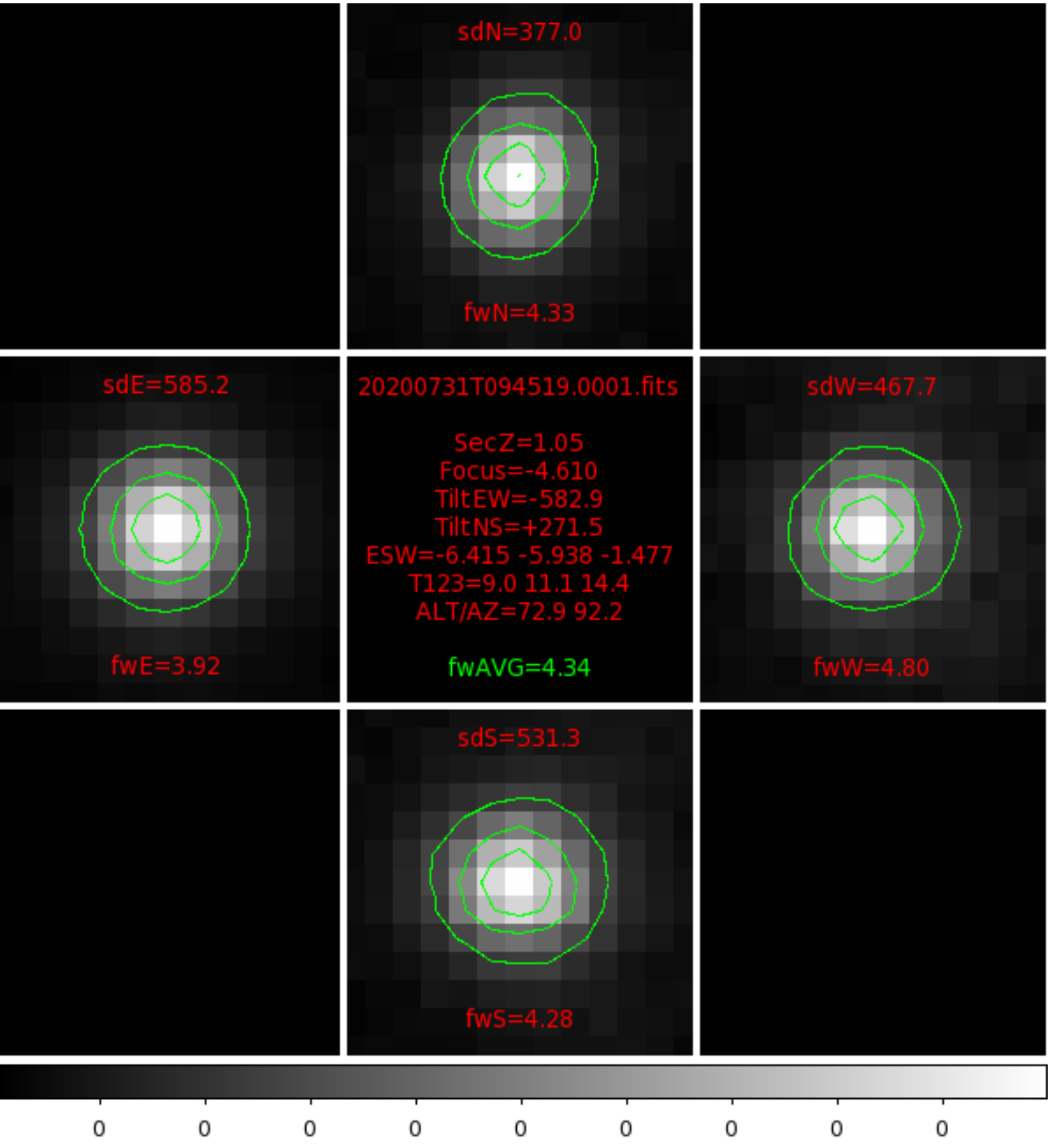
sdN=377.0
fwN=4.33
sdE=585.2
fwE=3.92
20200731T094519.0001.fits
SecZ=1.05
Focus=-4.610
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.415 -5.938 -1.477
T123=9.0 11.1 14.4
ALT/AZ=72.9 92.2
fwAVG=4.34
sdW=467.7
fwW=4.80
sdS=531.3
fwS=4.28
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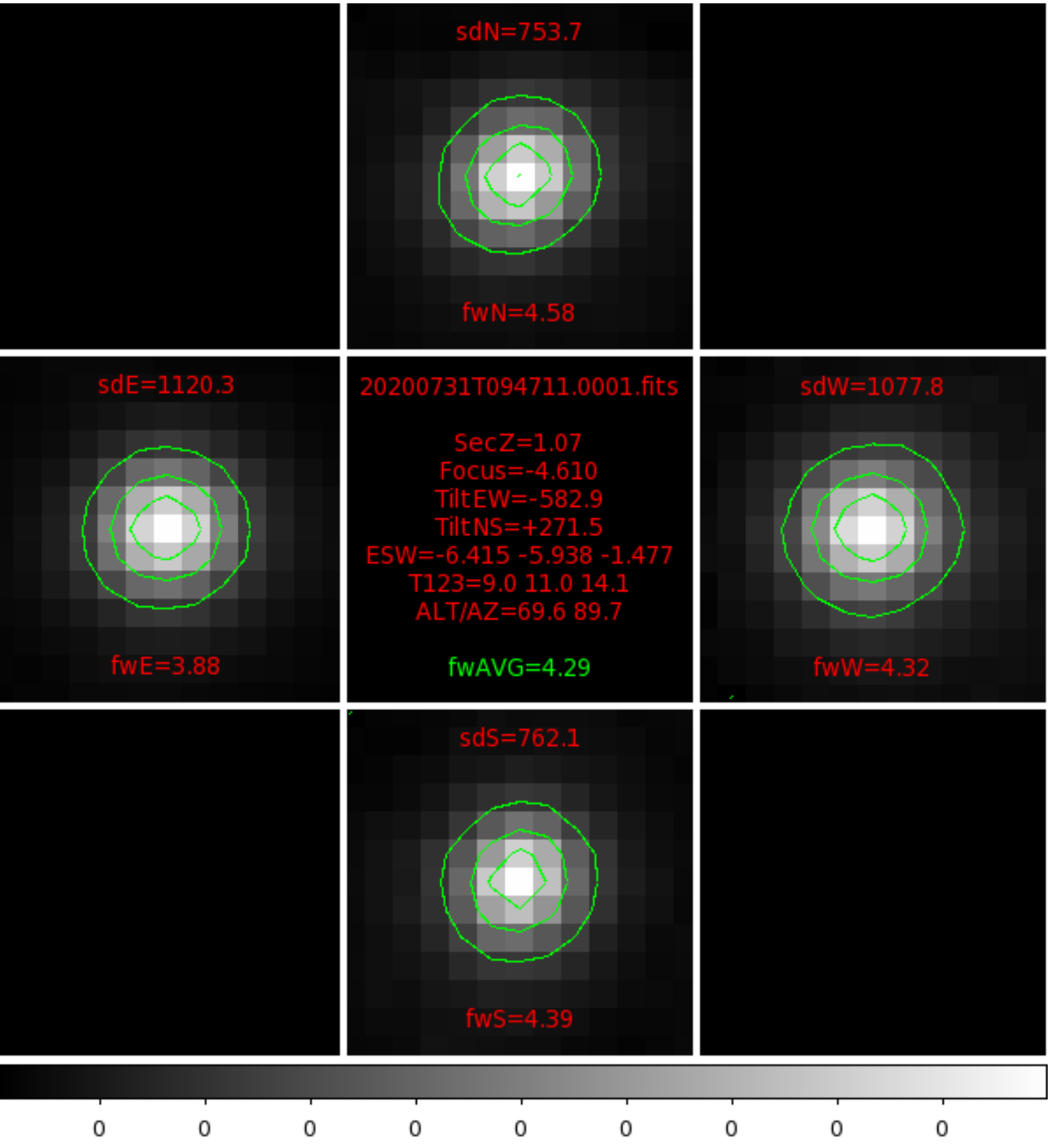
sdN=753.7
fwN=4.58
sdE=1120.3
fwE=3.88
20200731T094711.0001.fits
SecZ=1.07
Focus=-4.610
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.415 -5.938 -1.477
T123=9.0 11.0 14.1
ALT/AZ=69.6 89.7
fwAVG=4.29
sdW=1077.8
fwW=4.32
sdS=762.1
fwS=4.39
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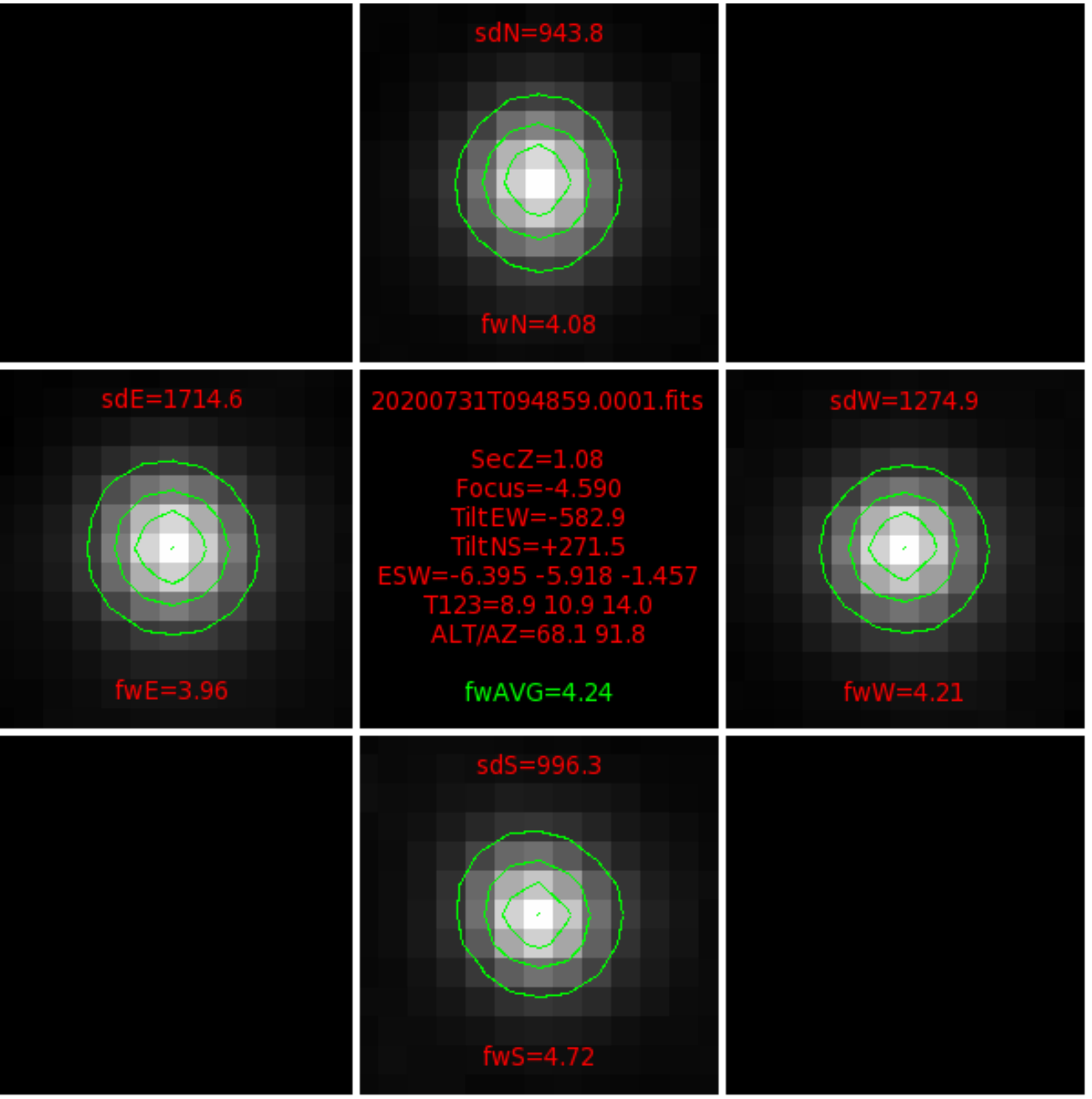
sdN=943.8
fwN=4.08
sdE=1714.6
fwE=3.96
20200731T094859.0001.fits
SecZ=1.08
Focus=-4.590
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.395 -5.918 -1.457
T123=8.9 10.9 14.0
ALT/AZ=68.1 91.8
fwAVG=4.24
sdW=1274.9
fwW=4.21
sdS=996.3
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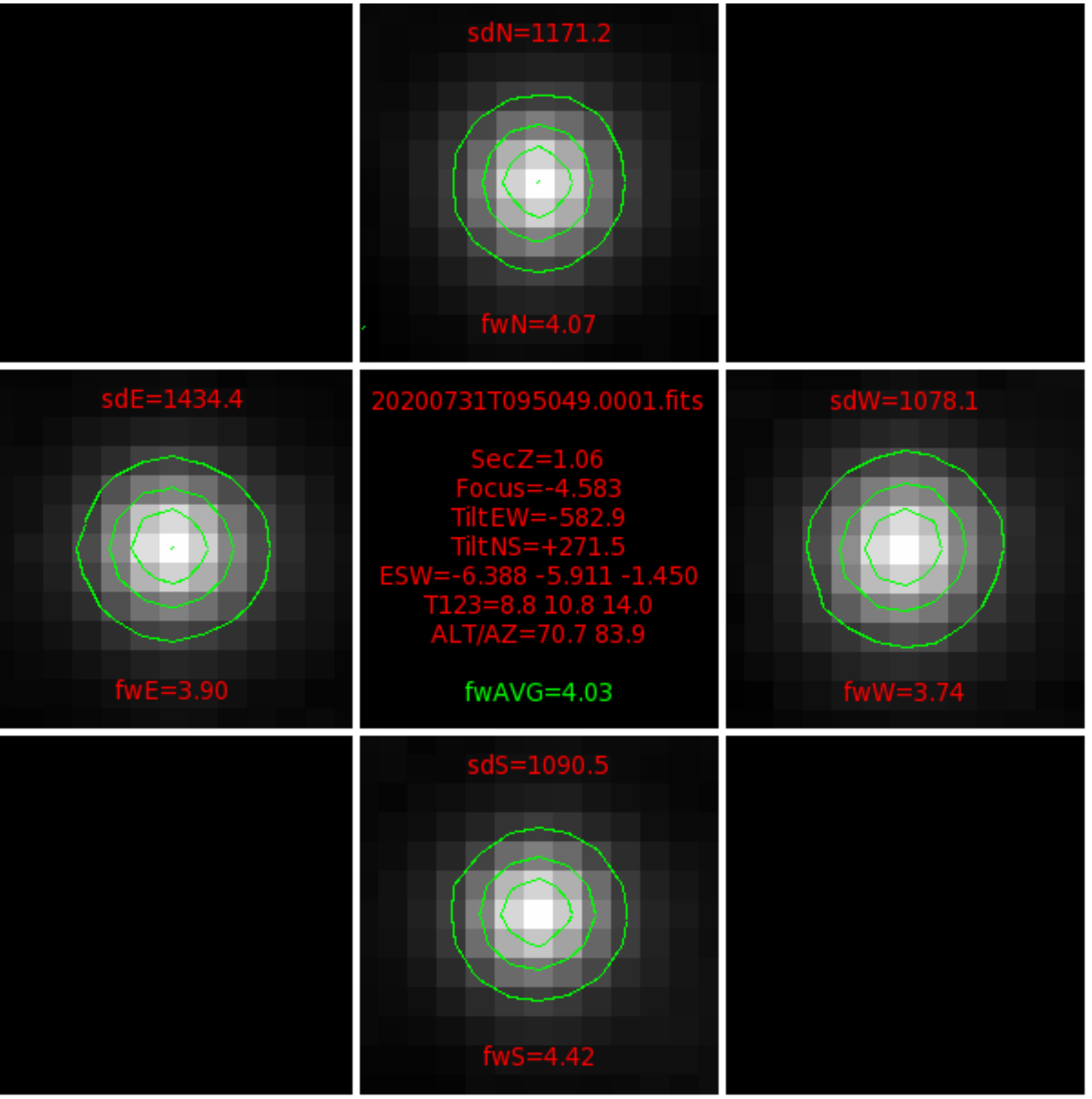
sdN=1171.2
fwN=4.07
sdE=1434.4
fwE=3.90
20200731T095049.0001.fits
SecZ=1.06
Focus=-4.583
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.388 -5.911 -1.450
T123=8.8 10.8 14.0
ALT/AZ=70.7 83.9
fwAVG=4.03
sdW=1078.1
fwW=3.74
sdS=1090.5
fwS=4.42
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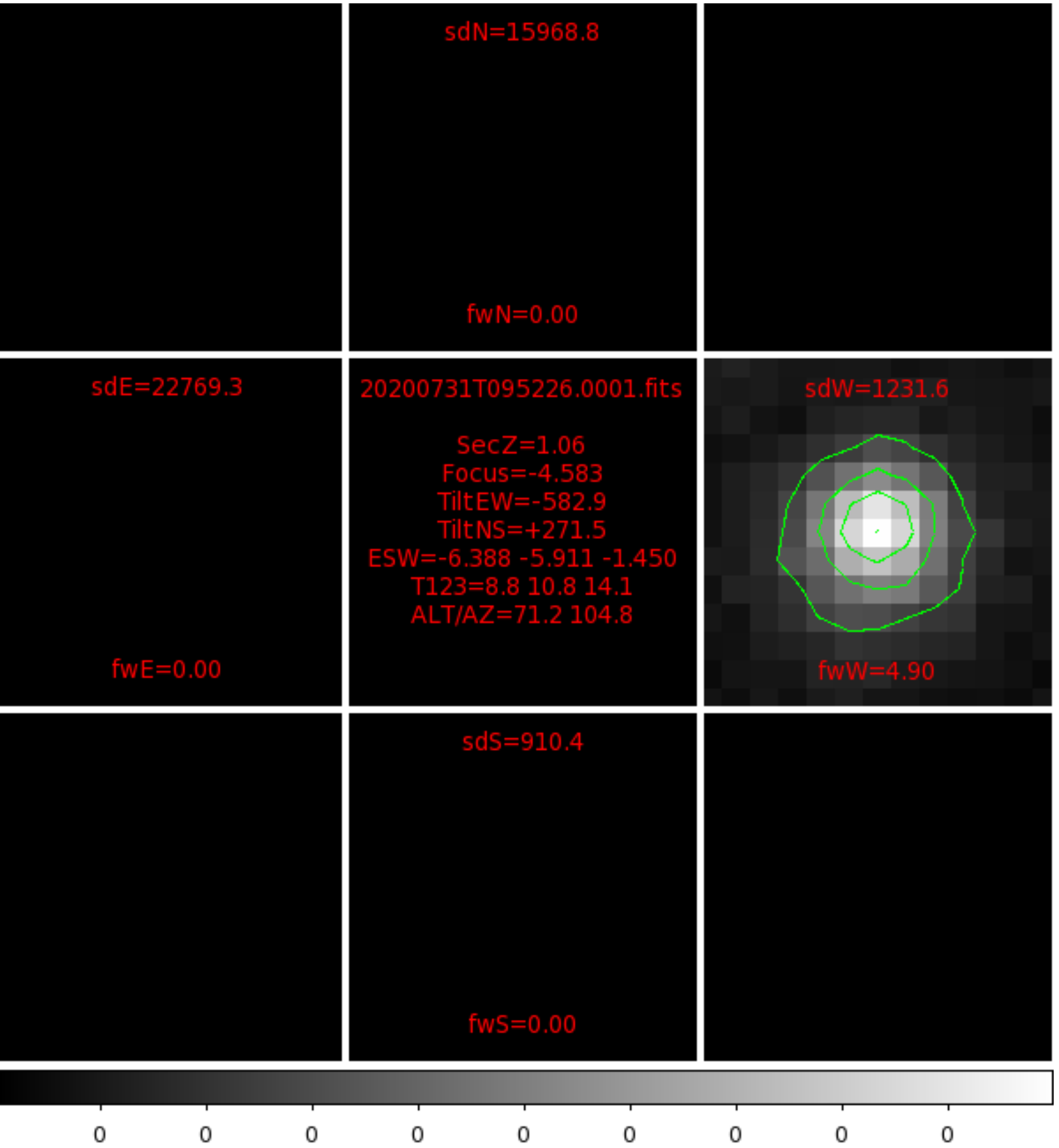
sdN=15968.8
fwN=0.00
sdE=22769.3
fwE=0.00
20200731T095226.0001.fits
SecZ=1.06
Focus=-4.583
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.388 -5.911 -1.450
T123=8.8 10.8 14.1
ALT/AZ=71.2 104.8
sdW=1231.6
fwW=4.90
sdS=910.4
fwS=0.00
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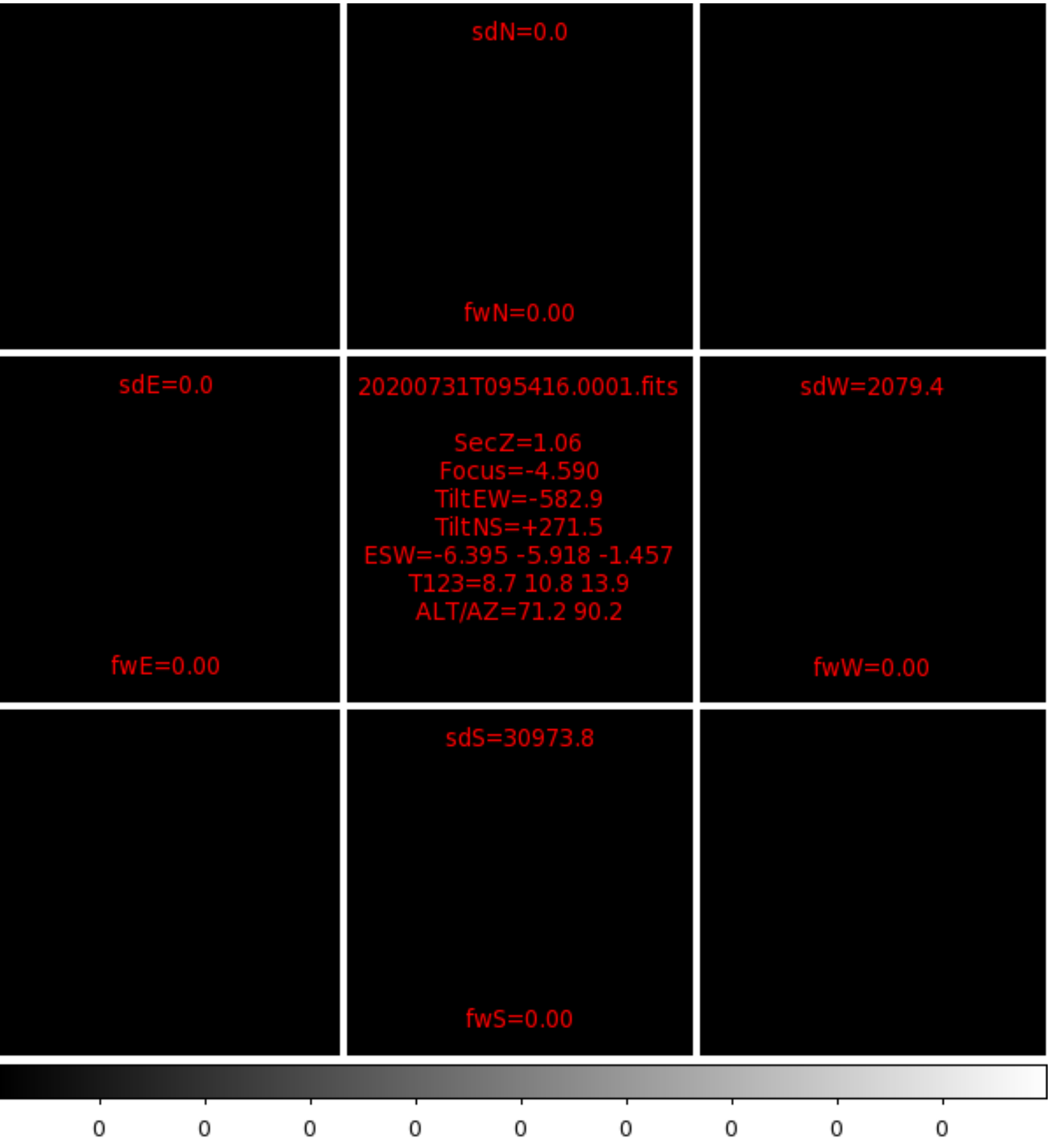
sdN=0.0
fwN=0.00
sdE=0.0
20200731T095416.0001.fits
SecZ=1.06
Focus=-4.590
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.395 -5.918 -1.457
T123=8.7 10.8 13.9
ALT/AZ=71.2 90.2
sdW=2079.4
fwE=0.00
fwW=0.00
sdS=30973.8
fwS=0.00
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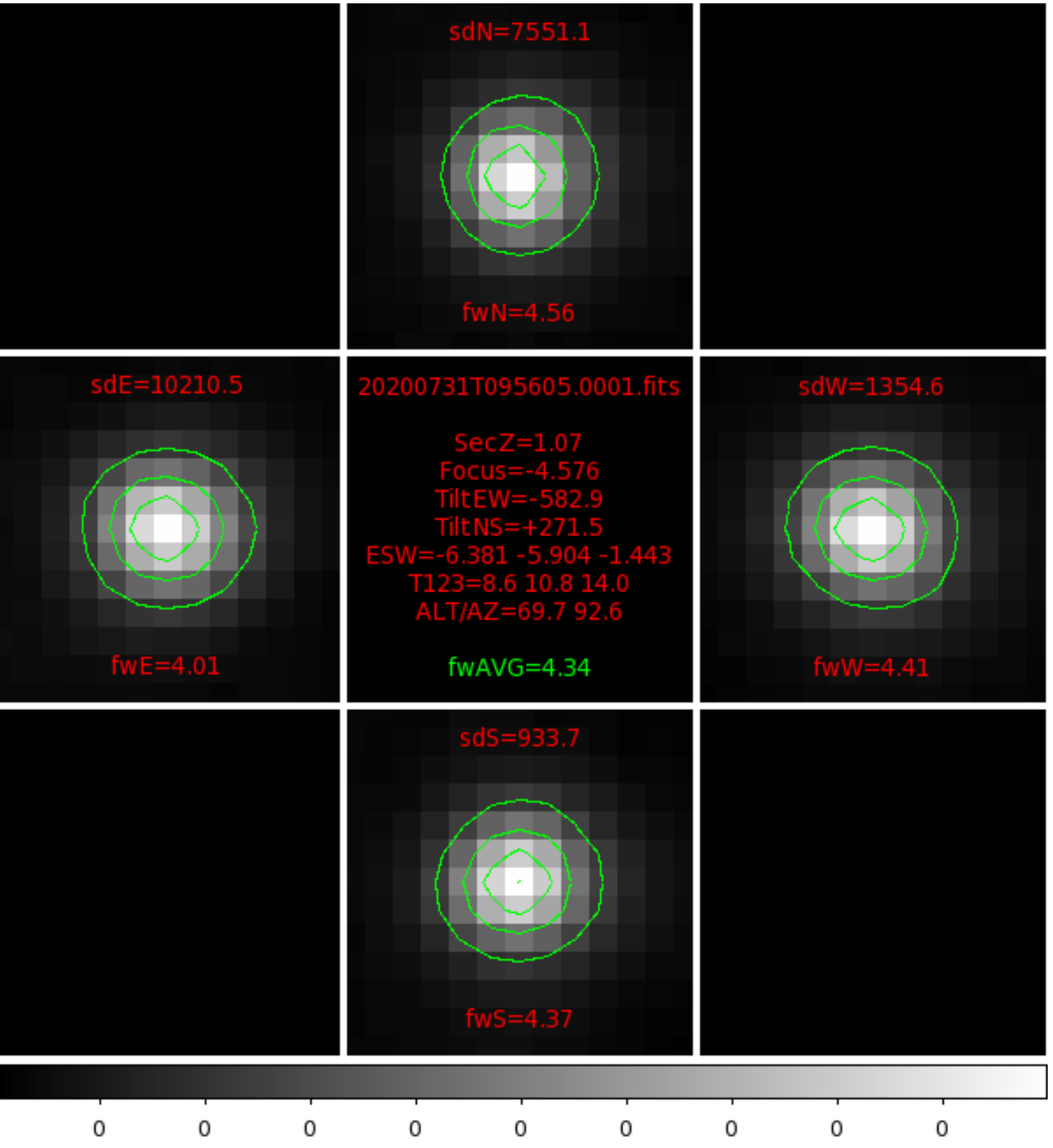
sdN=7551.1
fwN=4.56
sdE=10210.5
fwE=4.01
20200731T095605.0001.fits
SecZ=1.07
Focus=-4.576
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.381 -5.904 -1.443
T123=8.6 10.8 14.0
ALT/AZ=69.7 92.6
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sdW=1354.6
fwW=4.41
sdS=933.7
fwS=4.37
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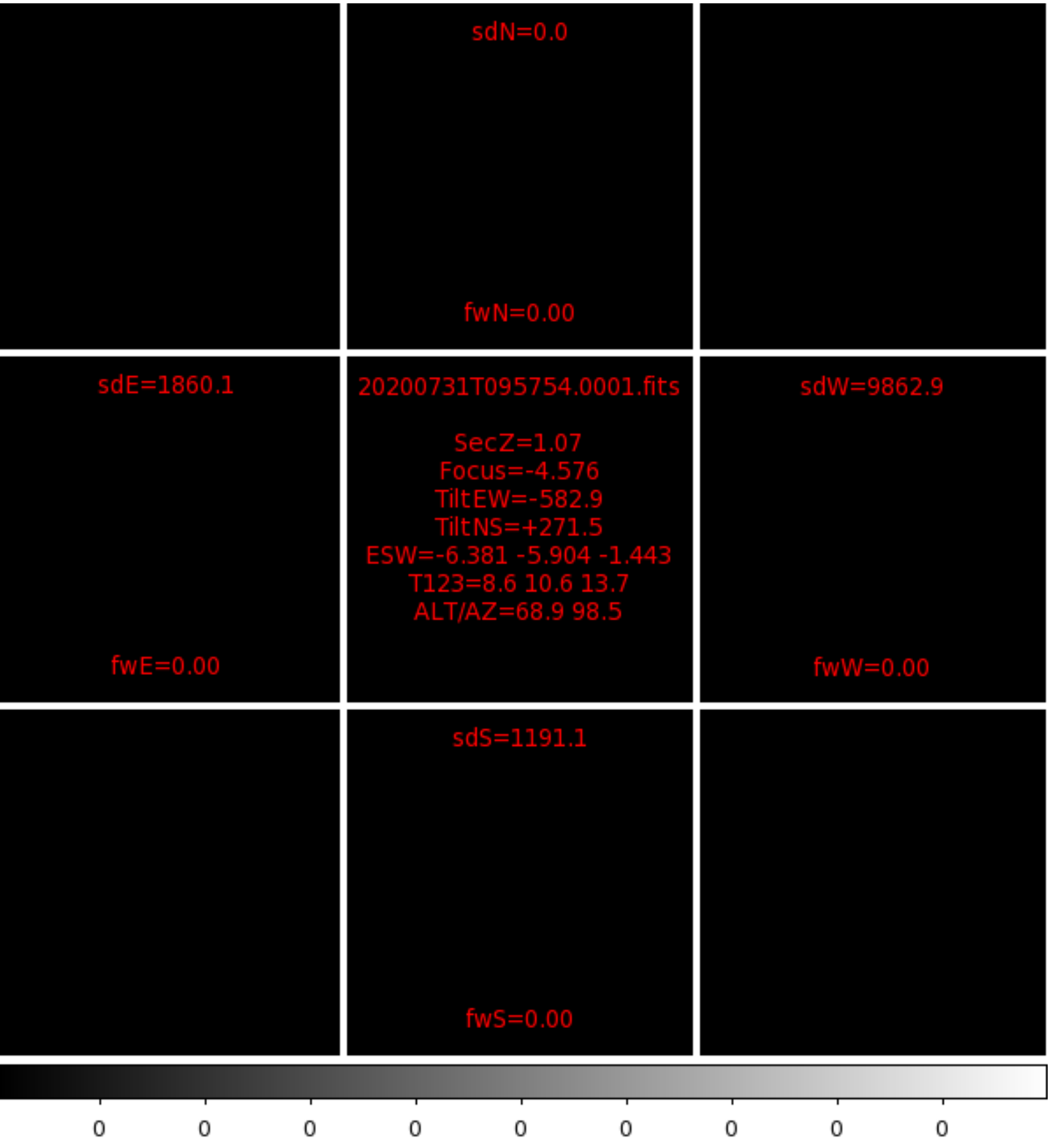
sdN=0.0
fwN=0.00
sdE=1860.1
fwE=0.00
20200731T095754.0001.fits
SecZ=1.07
Focus=-4.576
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.381 -5.904 -1.443
T123=8.6 10.6 13.7
ALT/AZ=68.9 98.5
sdW=9862.9
fwW=0.00
sdS=1191.1
fwS=0.00
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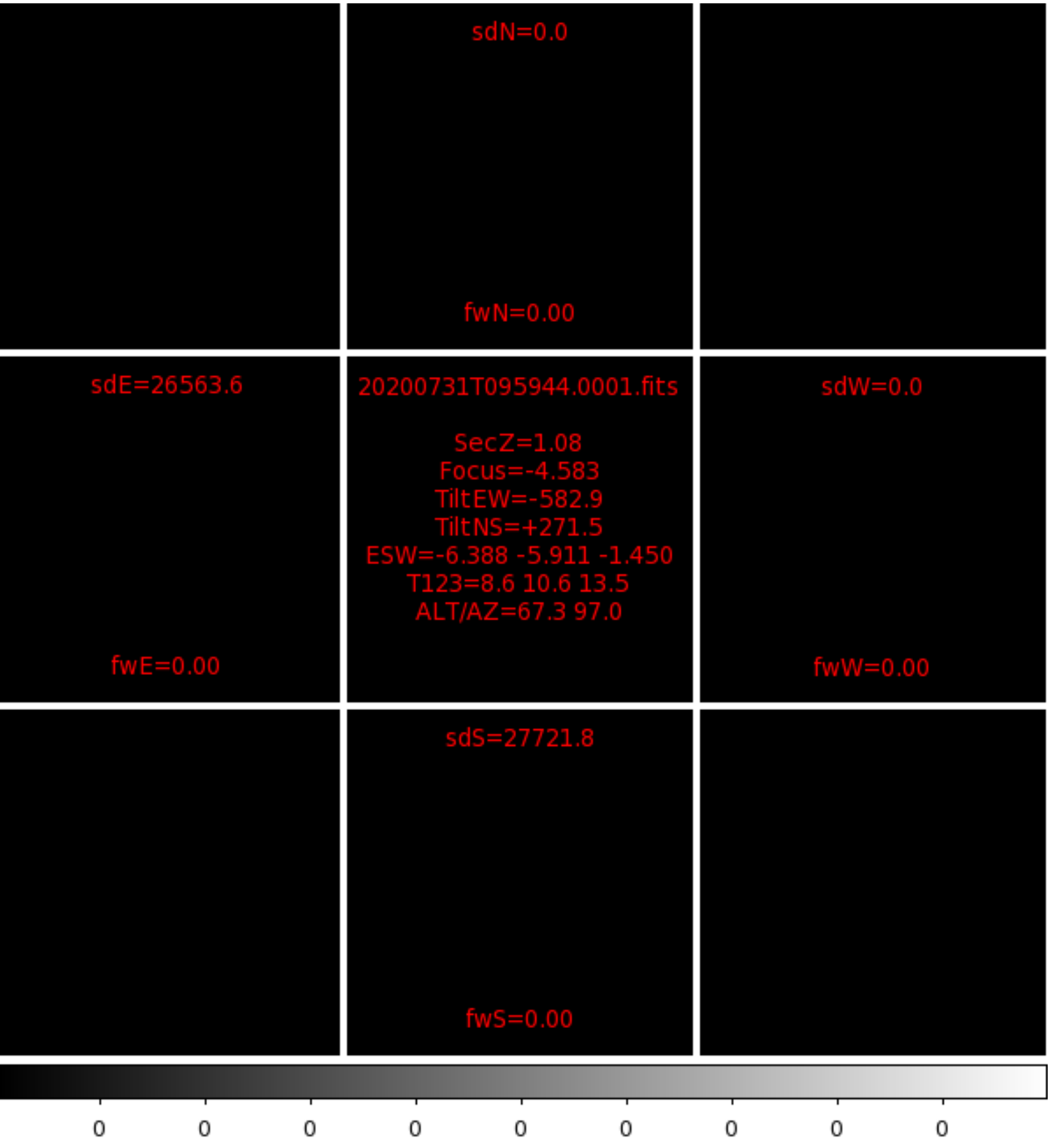
sdN=0.0
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sdE=26563.6
fwE=0.00
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SecZ=1.08
Focus=-4.583
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.388 -5.911 -1.450
T123=8.6 10.6 13.5
ALT/AZ=67.3 97.0
sdW=0.0
fwW=0.00
sdS=27721.8
fwS=0.00
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sdN=15022.0
fwN=0.00
sdE=1248.8
fwE=0.00
20200731T100135.0001.fits
SecZ=1.05
Focus=-4.563
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.368 -5.891 -1.430
T123=8.5 10.5 13.6
ALT/AZ=72.7 91.6
sdW=14255.2
fwW=4.78
sdS=1403.1
fwS=0.00
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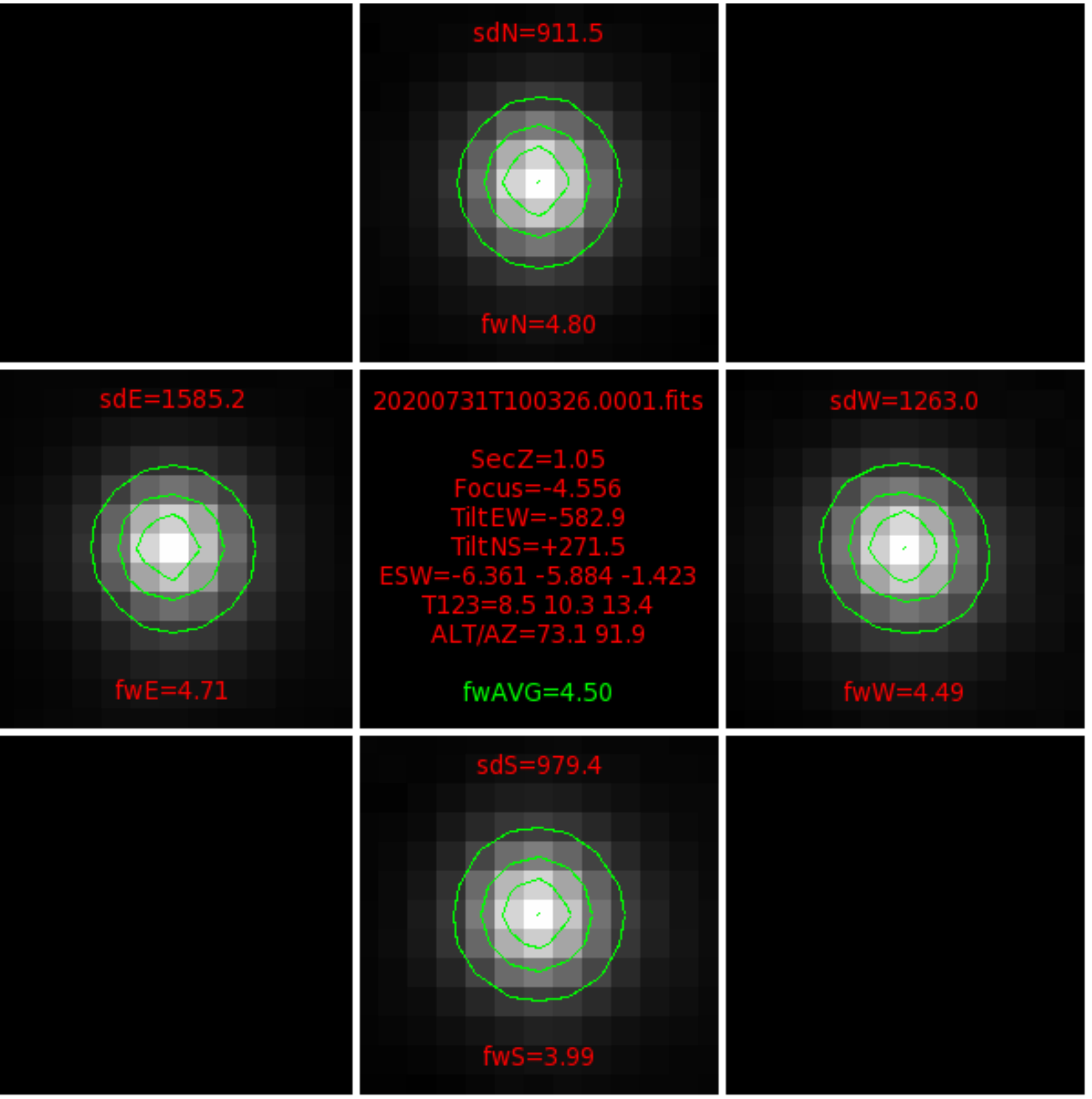
sdN=911.5
fwN=4.80
sdE=1585.2
fwE=4.71
20200731T100326.0001.fits
SecZ=1.05
Focus=-4.556
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.361 -5.884 -1.423
T123=8.5 10.3 13.4
ALT/AZ=73.1 91.9
fwAVG=4.50
sdW=1263.0
fwW=4.49
sdS=979.4
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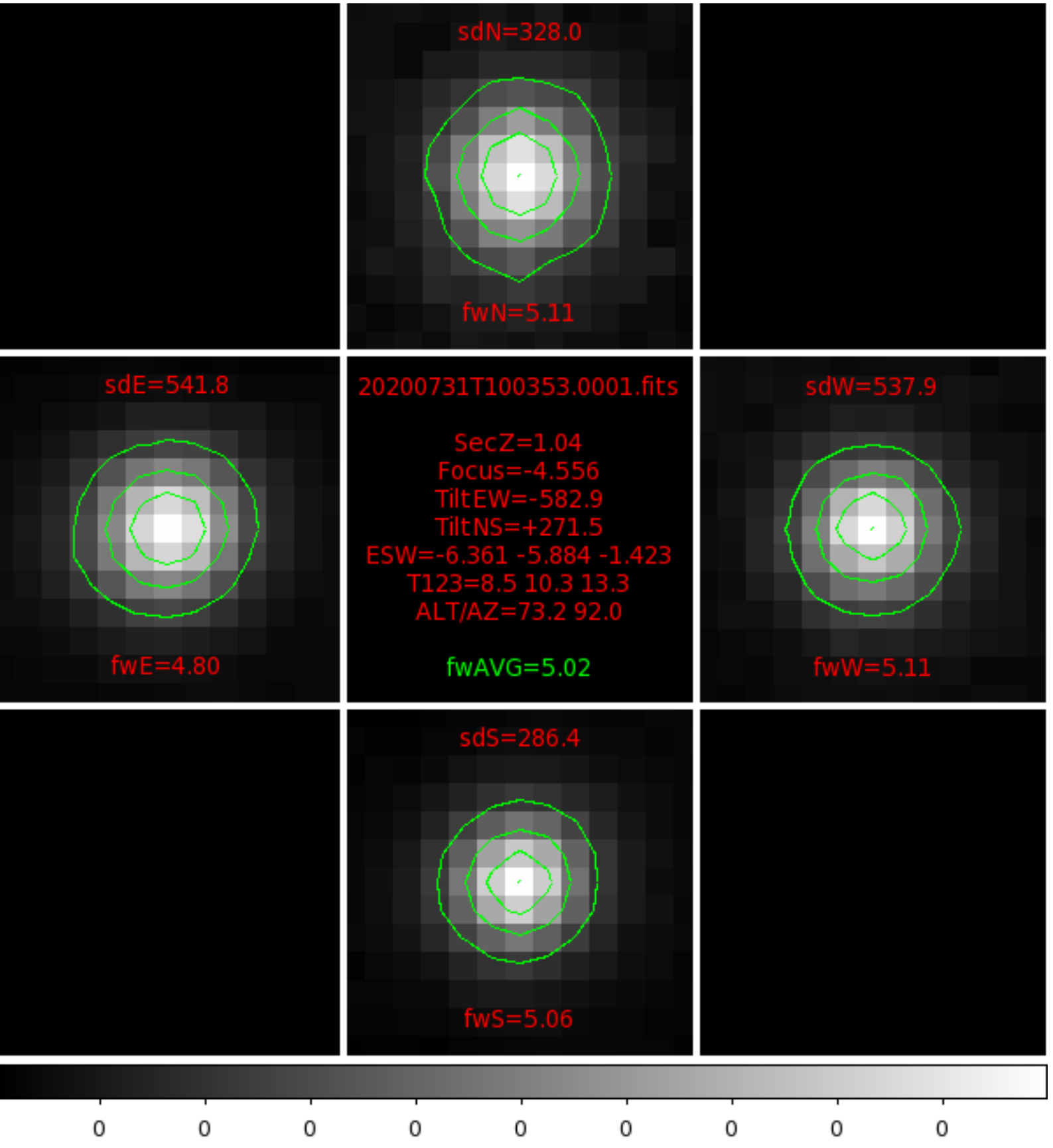
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sdE=541.8
fwE=4.80
20200731T100353.0001.fits
SecZ=1.04
Focus=-4.556
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.361 -5.884 -1.423
T123=8.5 10.3 13.3
ALT/AZ=73.2 92.0
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sdW=537.9
fwW=5.11
sdS=286.4
fwS=5.06
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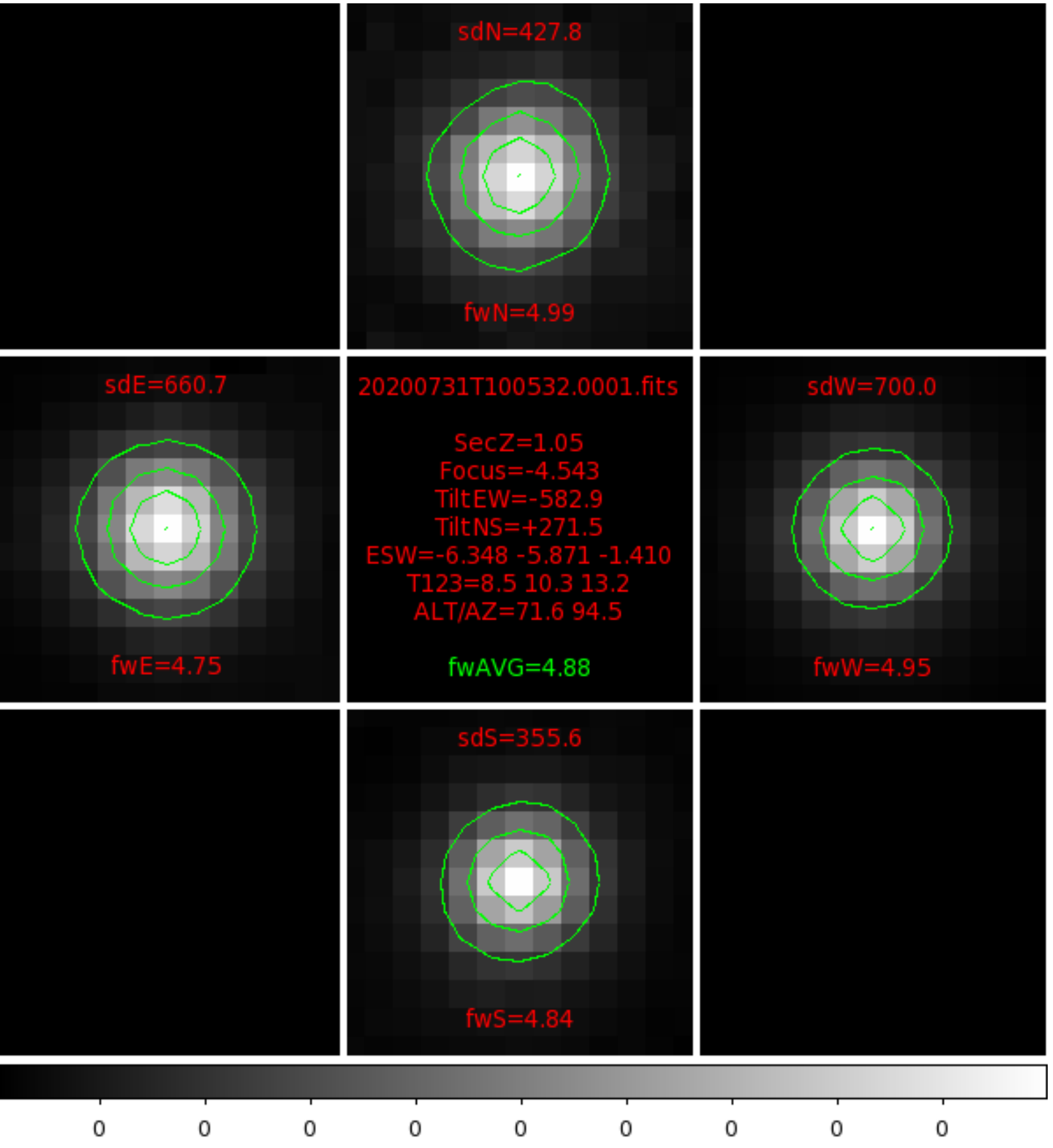
sdN=427.8
fwN=4.99
sdE=660.7
fwE=4.75
20200731T100532.0001.fits
SecZ=1.05
Focus=-4.543
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.348 -5.871 -1.410
T123=8.5 10.3 13.2
ALT/AZ=71.6 94.5
fwAVG=4.88
sdW=700.0
fwW=4.95
sdS=355.6
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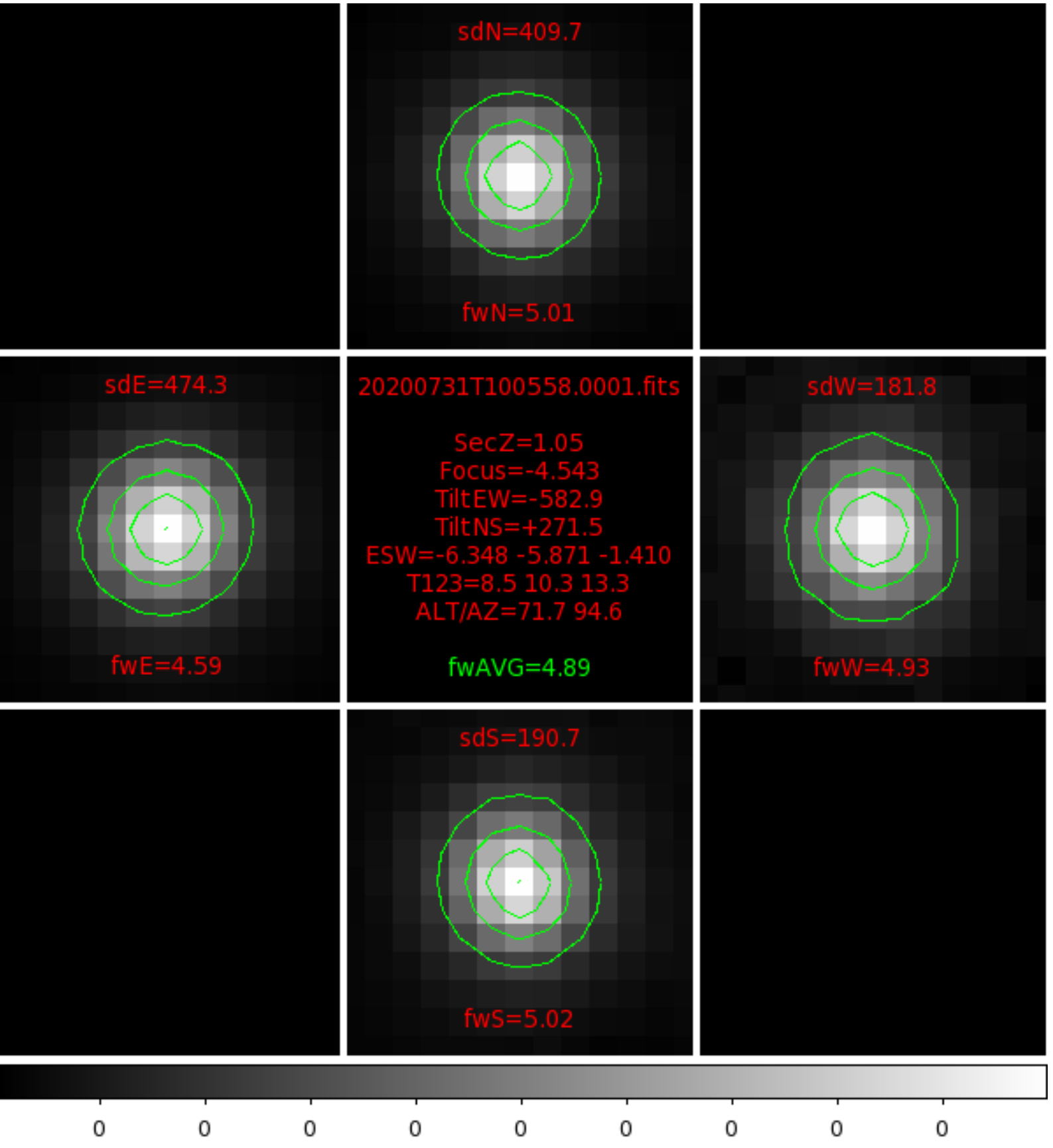
sdN=409.7
fwN=5.01
sdE=474.3
fwE=4.59
20200731T100558.0001.fits
SecZ=1.05
Focus=-4.543
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.348 -5.871 -1.410
T123=8.5 10.3 13.3
ALT/AZ=71.7 94.6
fwAVG=4.89
sdW=181.8
fwW=4.93
sdS=190.7
fwS=5.02
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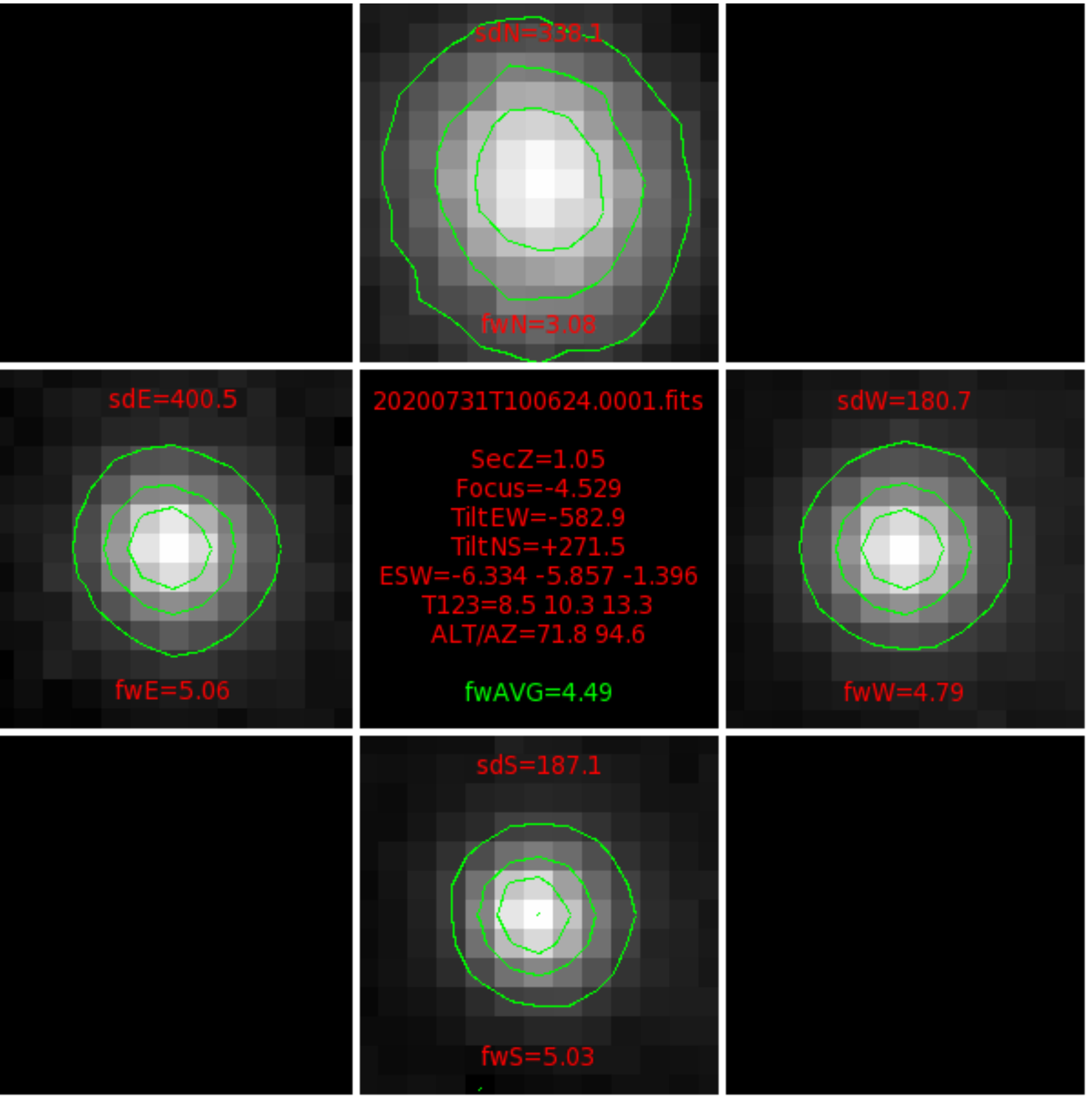
sdN=338.1
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sdE=400.5
fwE=5.06
20200731T100624.0001.fits
SecZ=1.05
Focus=-4.529
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.334 -5.857 -1.396
T123=8.5 10.3 13.3
ALT/AZ=71.8 94.6
fwAVG=4.49
sdW=180.7
fwW=4.79
sdS=187.1
fwS=5.03
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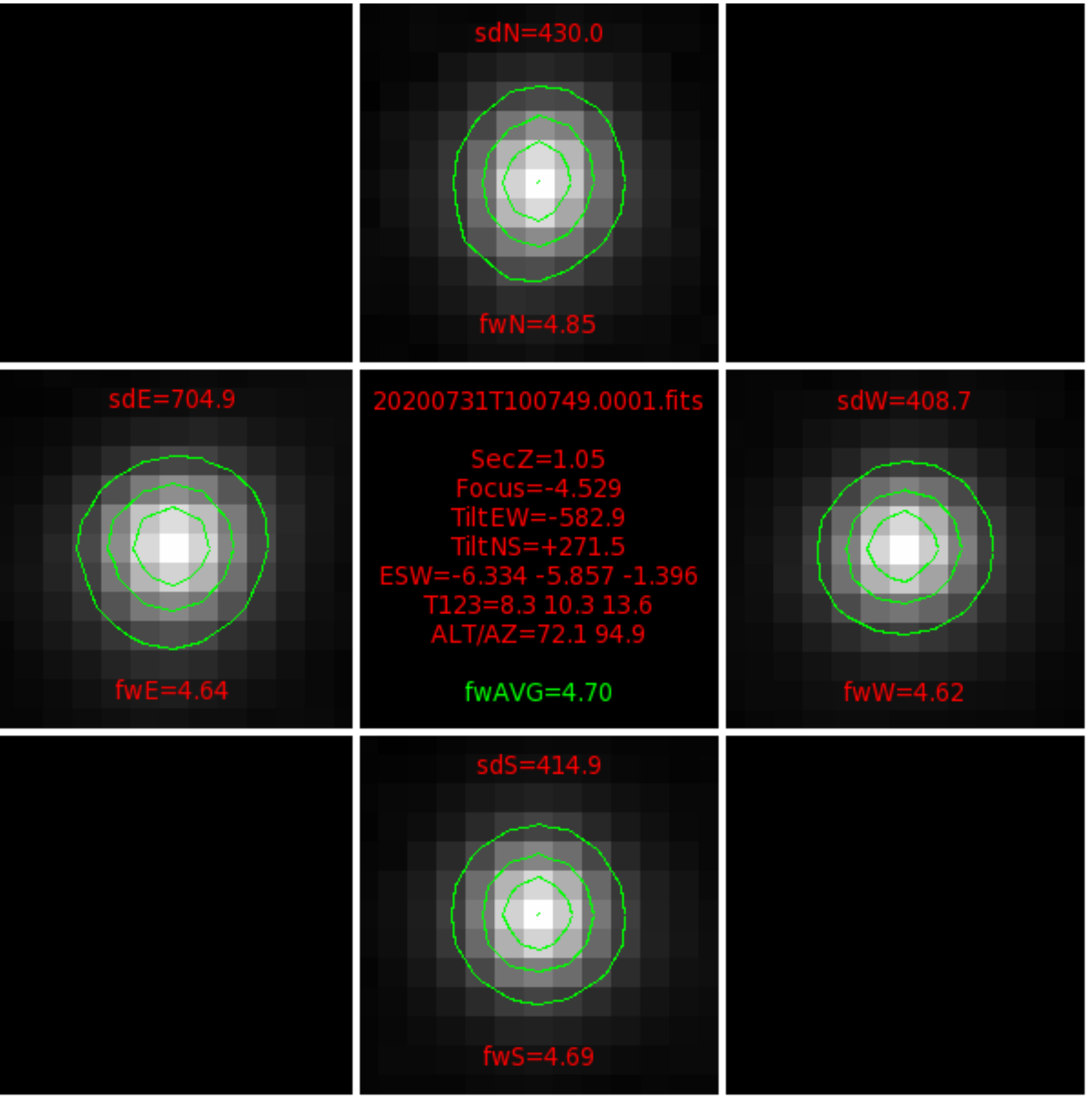
sdN=430.0
fwN=4.85
sdE=704.9
fwE=4.64
20200731T100749.0001.fits
SecZ=1.05
Focus=-4.529
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.334 -5.857 -1.396
T123=8.3 10.3 13.6
ALT/AZ=72.1 94.9
fwAVG=4.70
sdW=408.7
fwW=4.62
sdS=414.9
fwS=4.69
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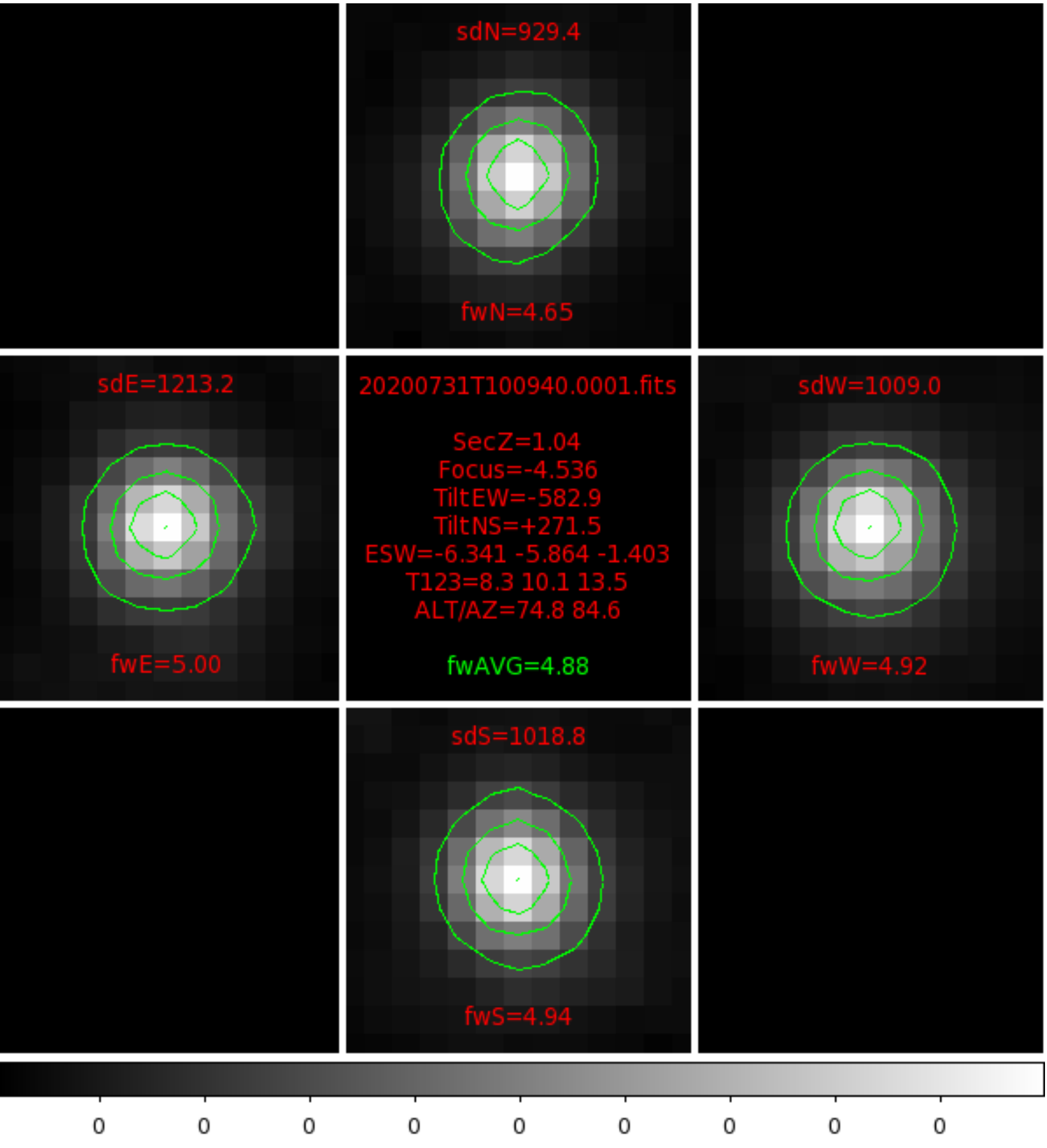
sdN=929.4
fwN=4.65
sdE=1213.2
fwE=5.00
20200731T100940.0001.fits
SecZ=1.04
Focus=-4.536
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.341 -5.864 -1.403
T123=8.3 10.1 13.5
ALT/AZ=74.8 84.6
fwAVG=4.88
sdW=1009.0
fwW=4.92
sdS=1018.8
fwS=4.94
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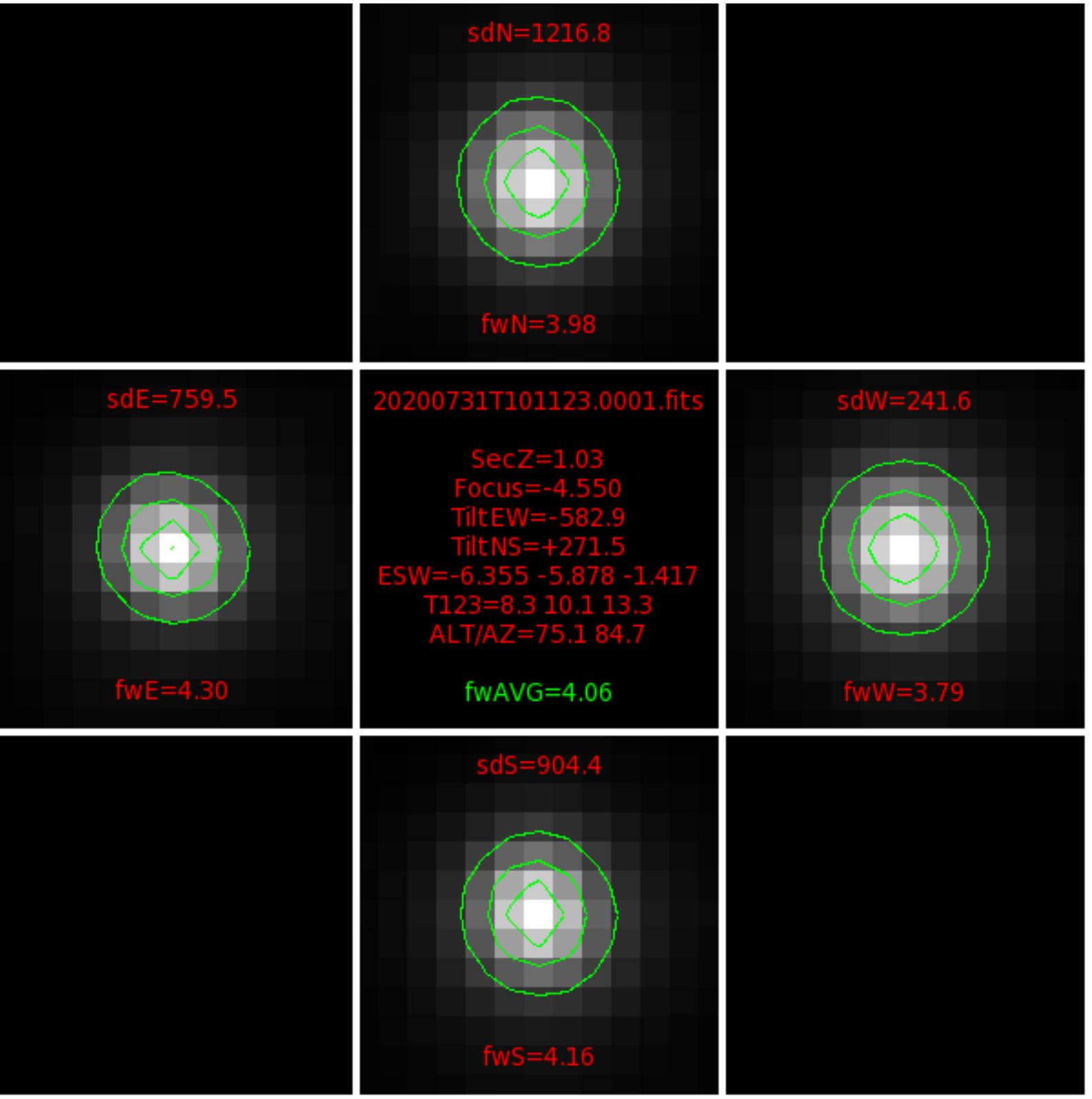
sdN=1216.8
fwN=3.98
sdE=759.5
fwE=4.30
20200731T101123.0001.fits
SecZ=1.03
Focus=-4.550
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.355 -5.878 -1.417
T123=8.3 10.1 13.3
ALT/AZ=75.1 84.7
fwAVG=4.06
sdW=241.6
fwW=3.79
sdS=904.4
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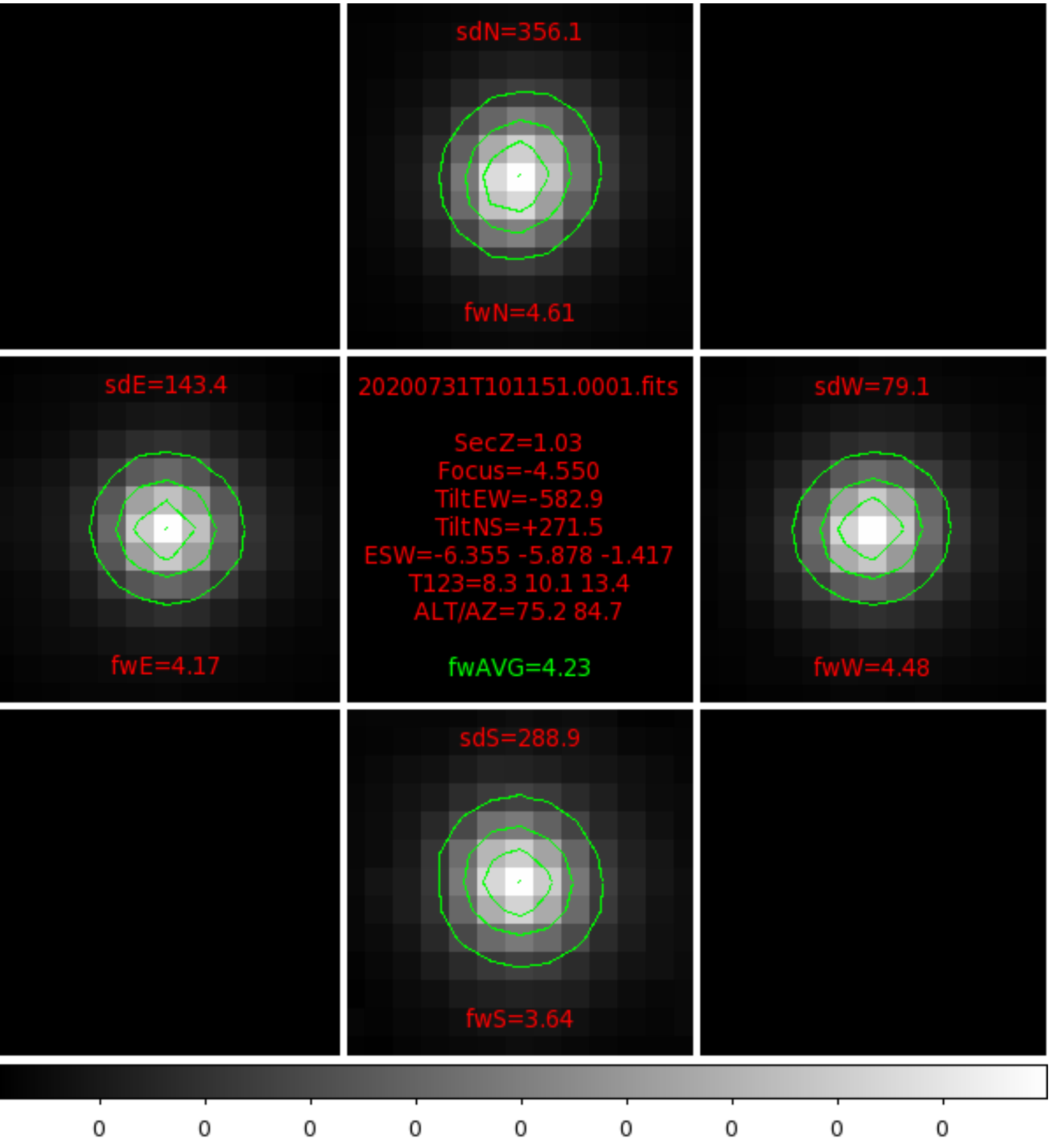
sdN=356.1
fwN=4.61
sdE=143.4
fwE=4.17
20200731T101151.0001.fits
SecZ=1.03
Focus=-4.550
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.355 -5.878 -1.417
T123=8.3 10.1 13.4
ALT/AZ=75.2 84.7
fwAVG=4.23
sdW=79.1
fwW=4.48
sdS=288.9
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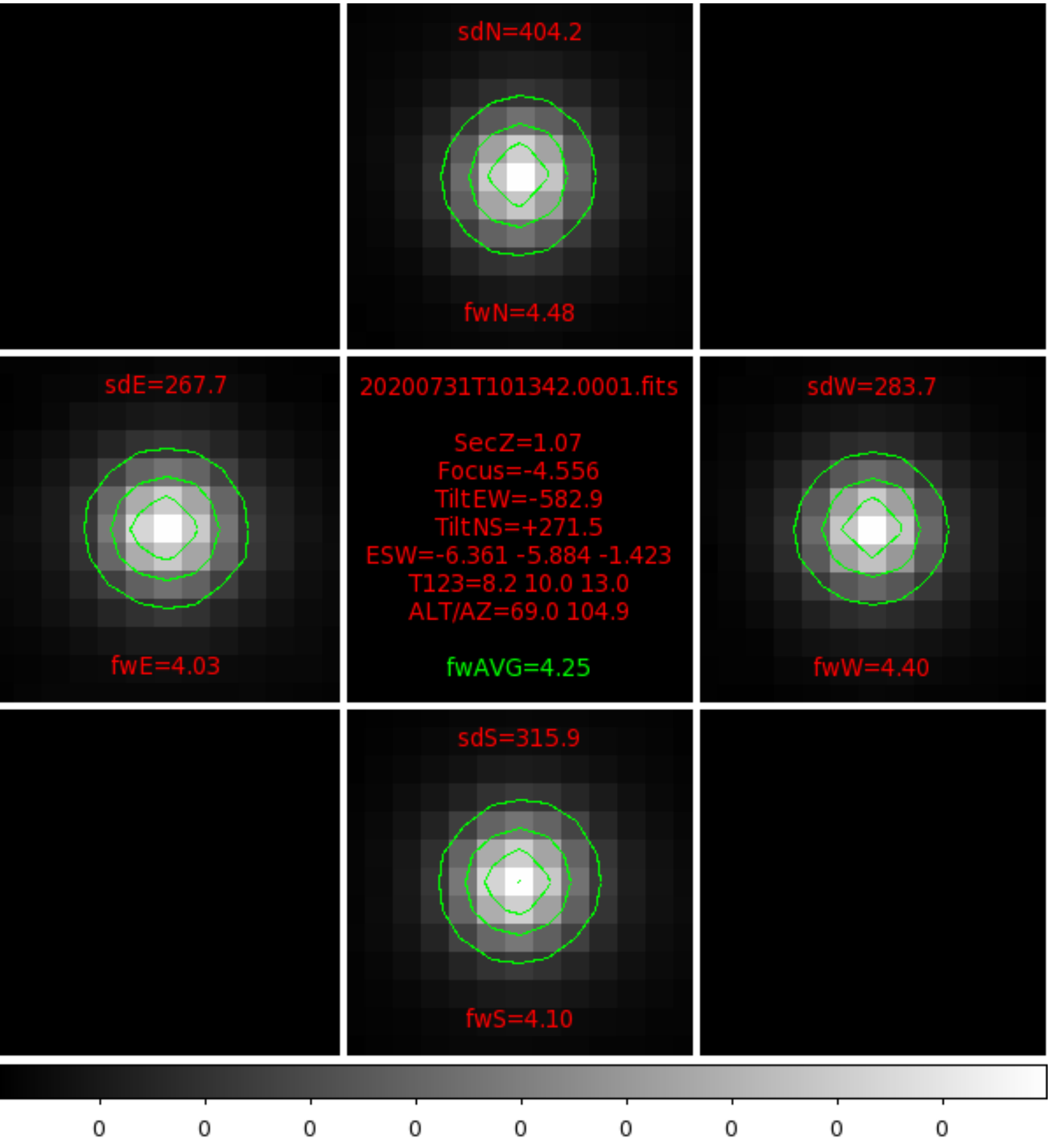
sdN=404.2
fwN=4.48
sdE=267.7
fwE=4.03
20200731T101342.0001.fits
SecZ=1.07
Focus=-4.556
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.361 -5.884 -1.423
T123=8.2 10.0 13.0
ALT/AZ=69.0 104.9
fwAVG=4.25
sdW=283.7
fwW=4.40
sdS=315.9
fwS=4.10
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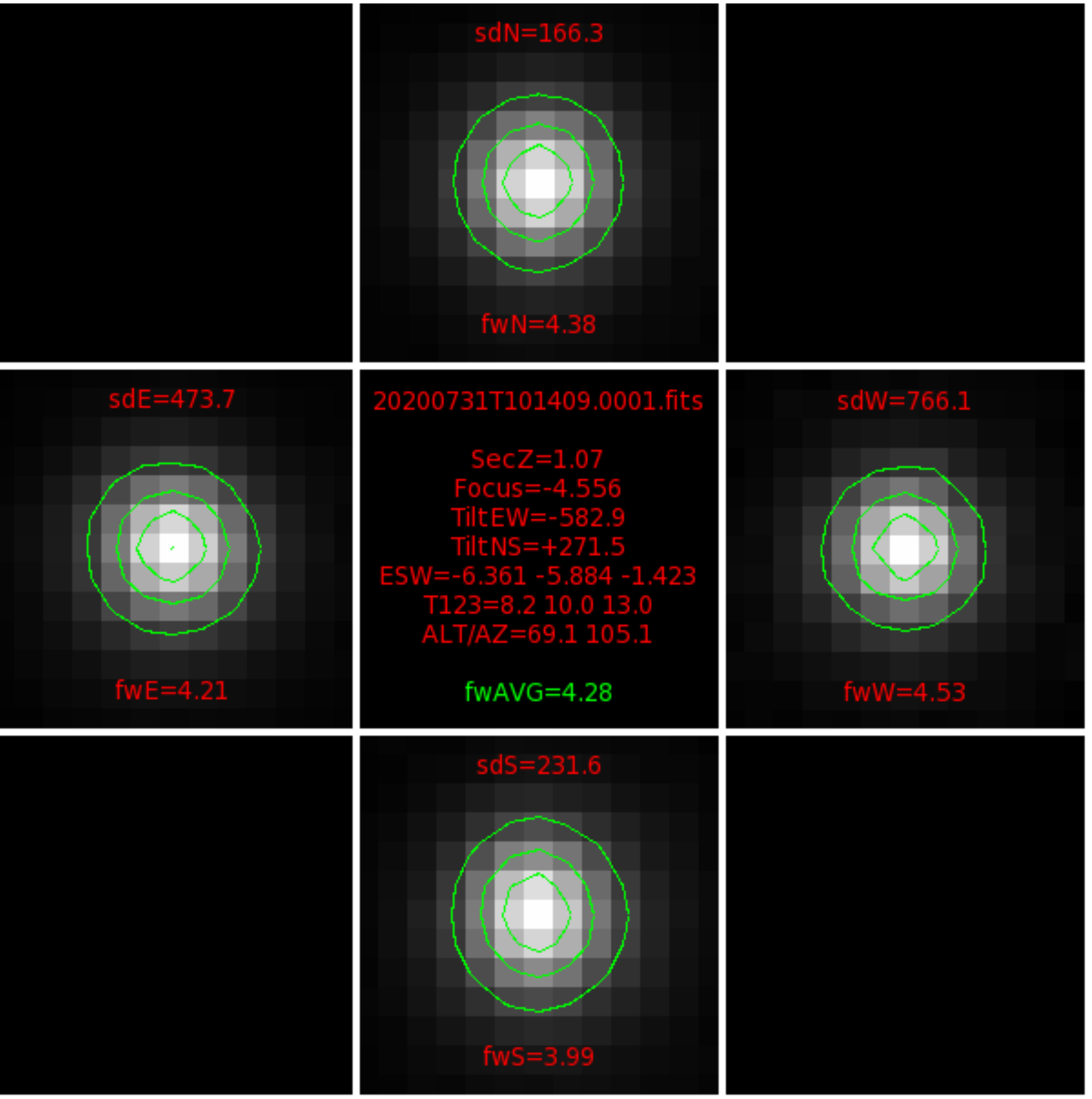
sdN=166.3
fwN=4.38
sdE=473.7
fwE=4.21
20200731T101409.0001.fits
SecZ=1.07
Focus=-4.556
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.361 -5.884 -1.423
T123=8.2 10.0 13.0
ALT/AZ=69.1 105.1
fwAVG=4.28
sdW=766.1
fwW=4.53
sdS=231.6
fwS=3.99
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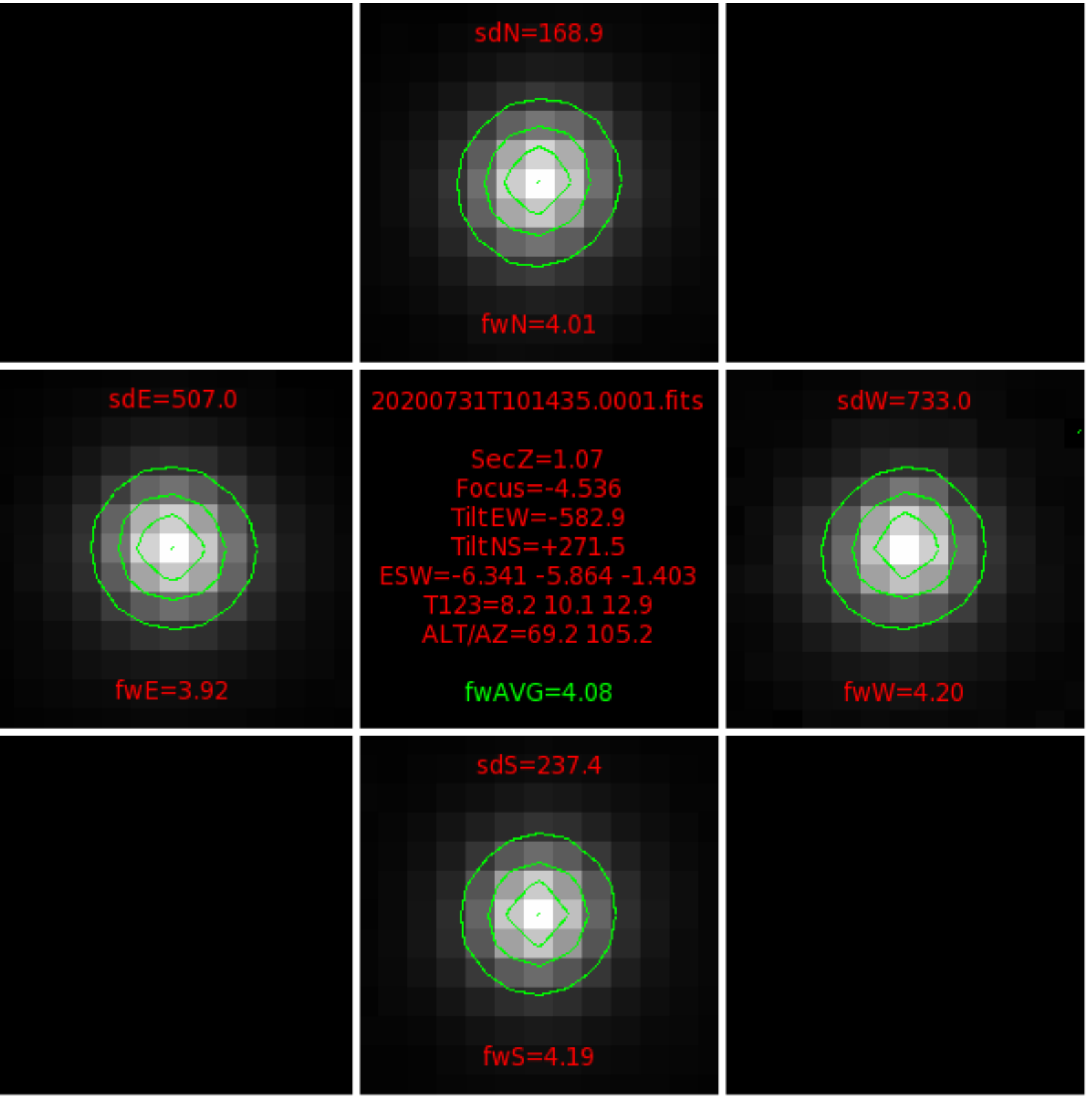
sdN=168.9
fwN=4.01
sdE=507.0
fwE=3.92
20200731T101435.0001.fits
SecZ=1.07
Focus=-4.536
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.341 -5.864 -1.403
T123=8.2 10.1 12.9
ALT/AZ=69.2 105.2
fwAVG=4.08
sdW=733.0
fwW=4.20
sdS=237.4
fwS=4.19
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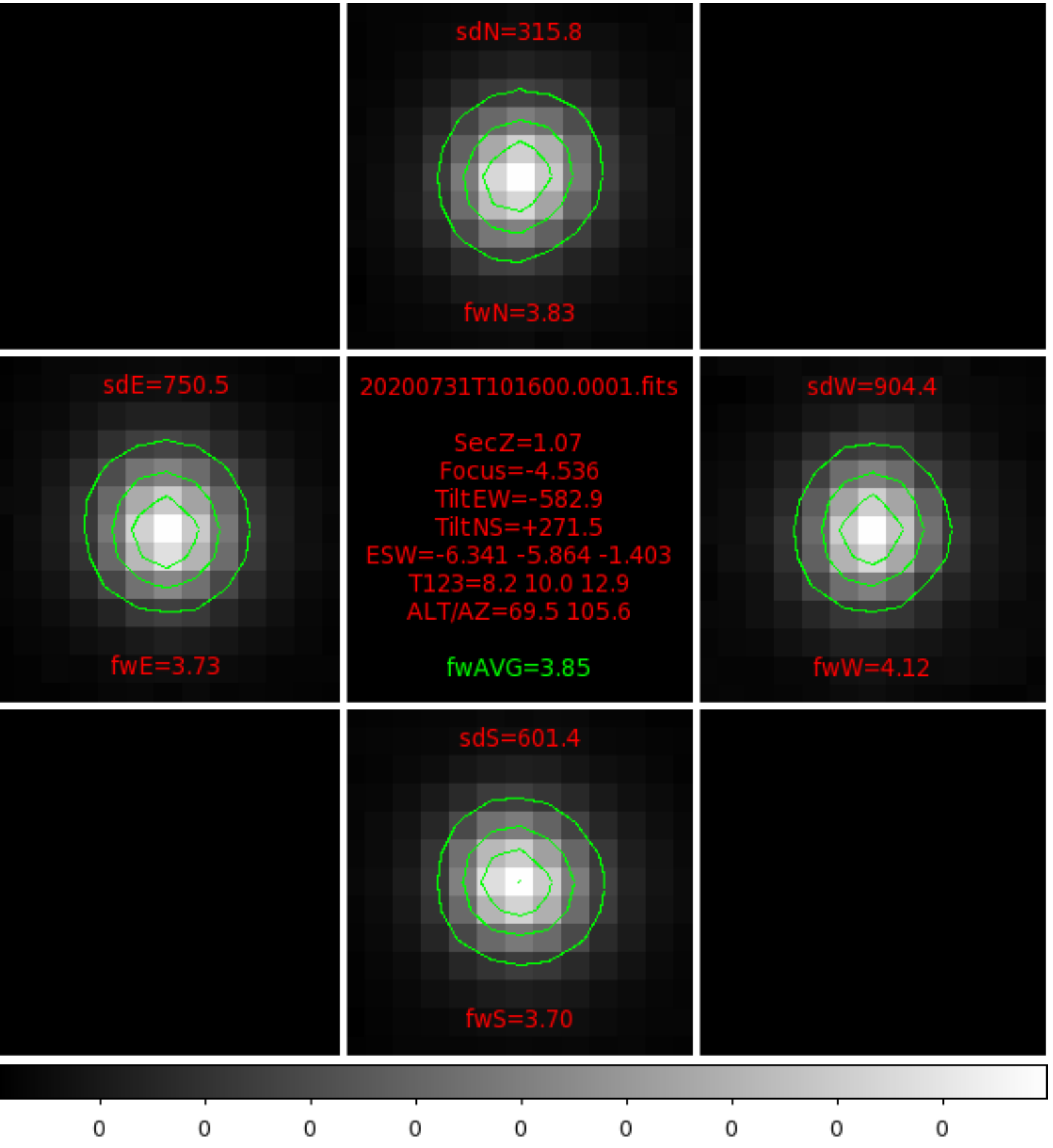
sdN=315.8
fwN=3.83
sdE=750.5
fwE=3.73
20200731T101600.0001.fits
SecZ=1.07
Focus=-4.536
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.341 -5.864 -1.403
T123=8.2 10.0 12.9
ALT/AZ=69.5 105.6
fwAVG=3.85
sdW=904.4
fwW=4.12
sdS=601.4
fwS=3.70
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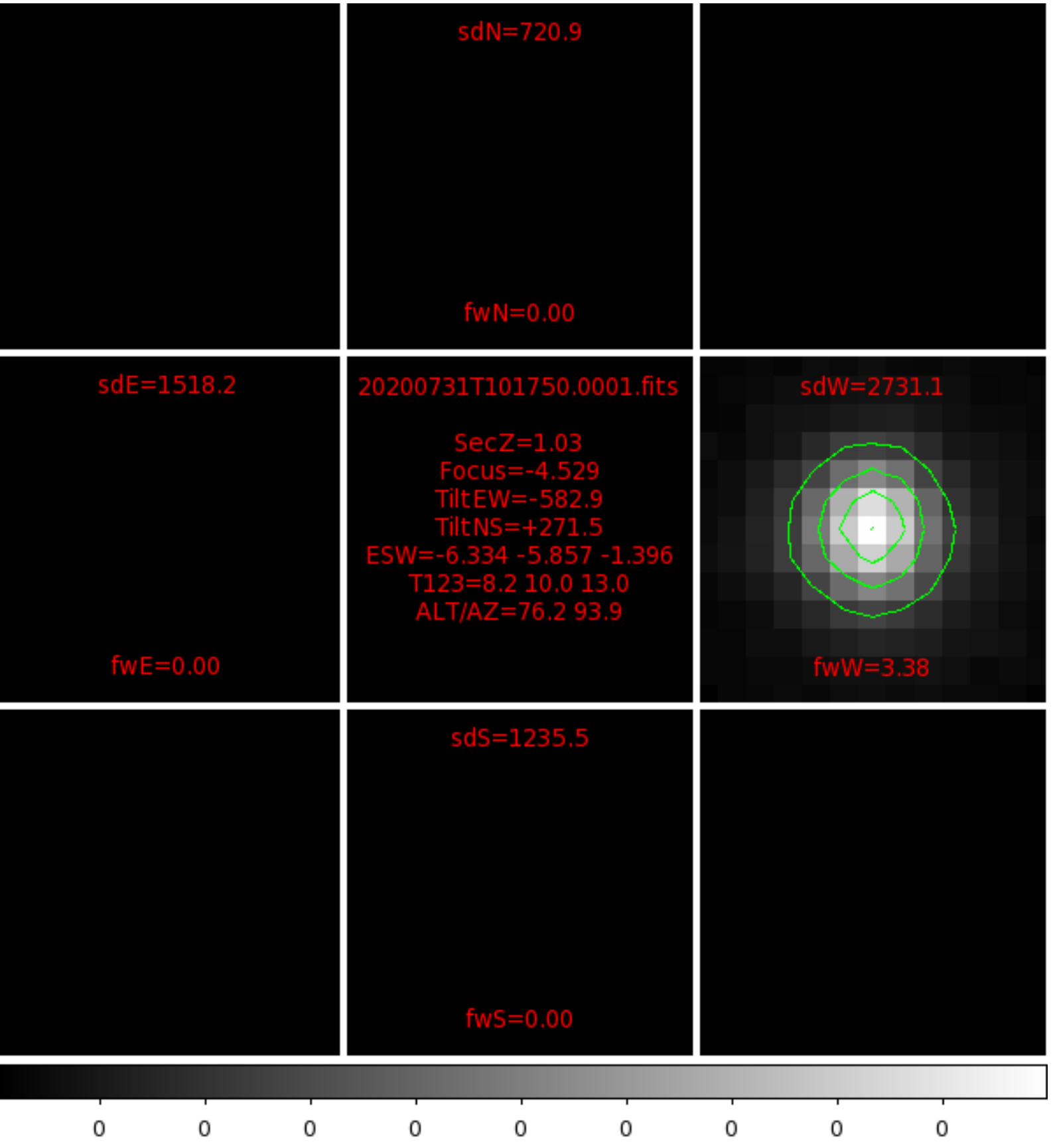
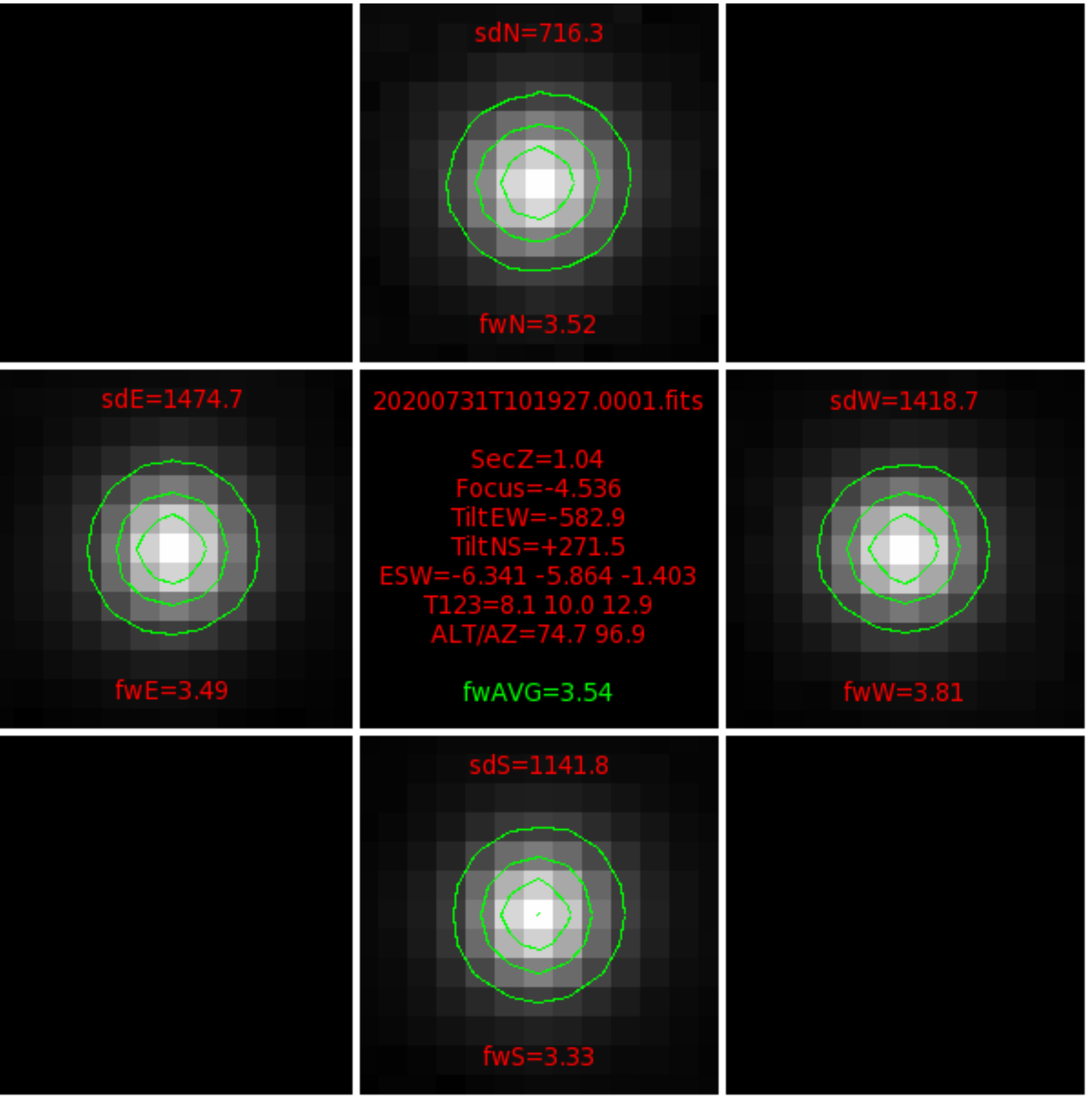

sdN=720.9
fwN=0.00
sdE=1518.2
fwE=0.00
20200731T101750.0001.fits
SecZ=1.03
Focus=-4.529
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.334 -5.857 -1.396
T123=8.2 10.0 13.0
ALT/AZ=76.2 93.9
sdW=2731.1
fwW=3.38
sdS=1235.5
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=716.3
fwN=3.52
sdE=1474.7
fwE=3.49
20200731T101927.0001.fits
SecZ=1.04
Focus=-4.536
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.341 -5.864 -1.403
T123=8.1 10.0 12.9
ALT/AZ=74.7 96.9
fwAVG=3.54
sdW=1418.7
fwW=3.81
sdS=1141.8
fwS=3.33
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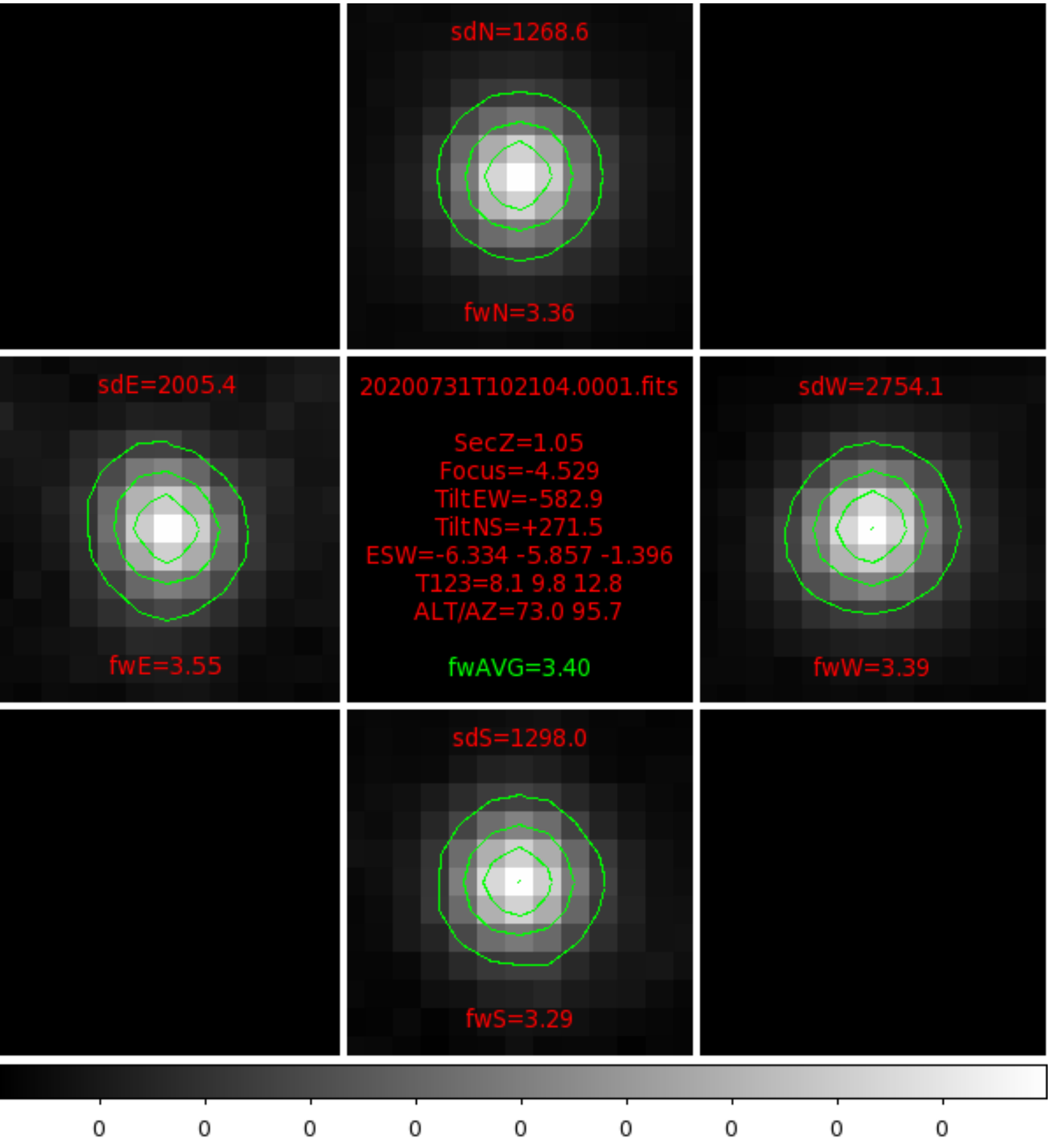
sdN=1268.6
fwN=3.36
sdE=2005.4
fwE=3.55
20200731T102104.0001.fits
SecZ=1.05
Focus=-4.529
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.334 -5.857 -1.396
T123=8.1 9.8 12.8
ALT/AZ=73.0 95.7
fwAVG=3.40
sdW=2754.1
fwW=3.39
sdS=1298.0
fwS=3.29
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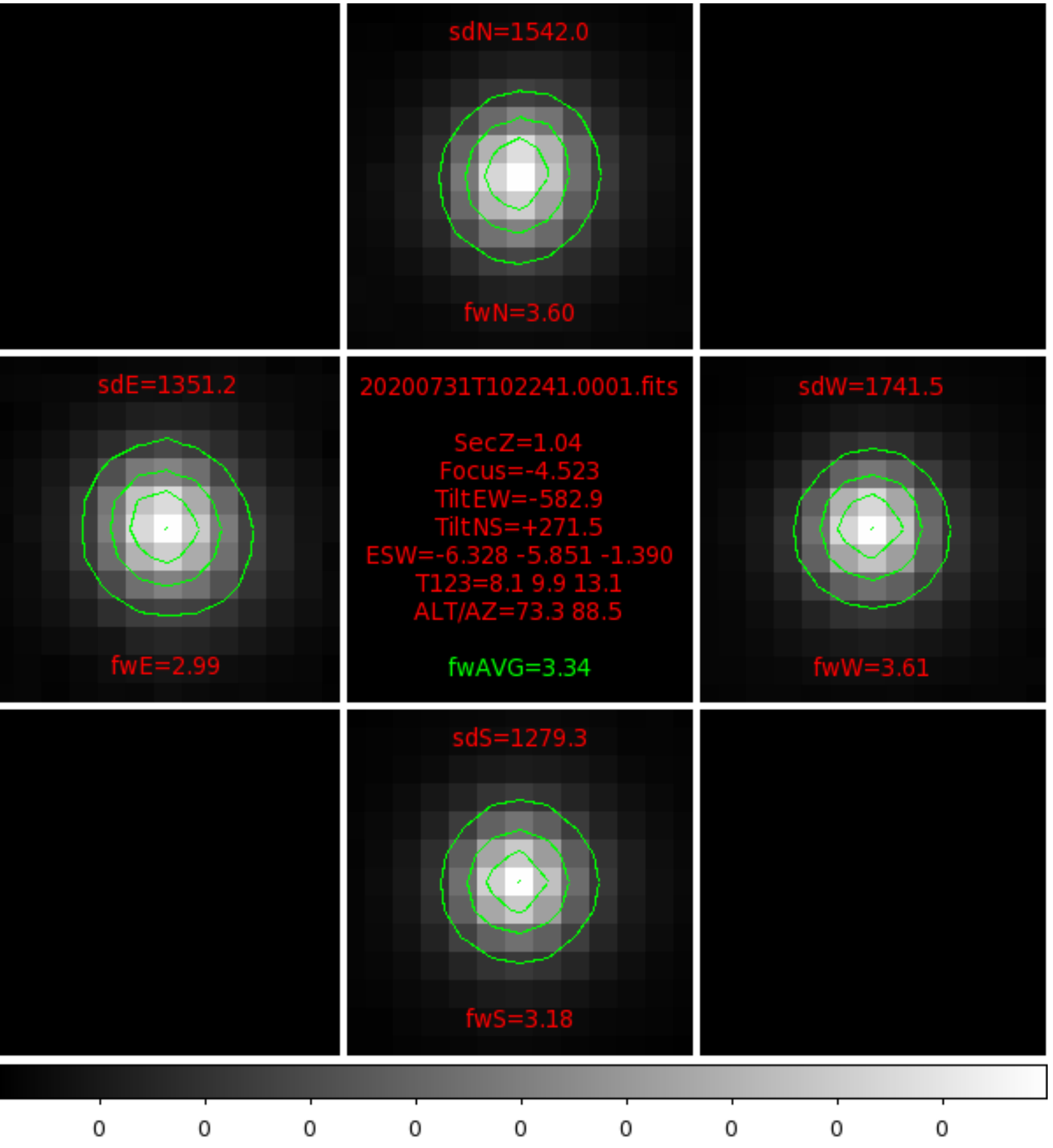
sdN=1542.0
fwN=3.60
sdE=1351.2
fwE=2.99
20200731T102241.0001.fits
SecZ=1.04
Focus=-4.523
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.328 -5.851 -1.390
T123=8.1 9.9 13.1
ALT/AZ=73.3 88.5
fwAVG=3.34
sdW=1741.5
fwW=3.61
sdS=1279.3
fwS=3.18
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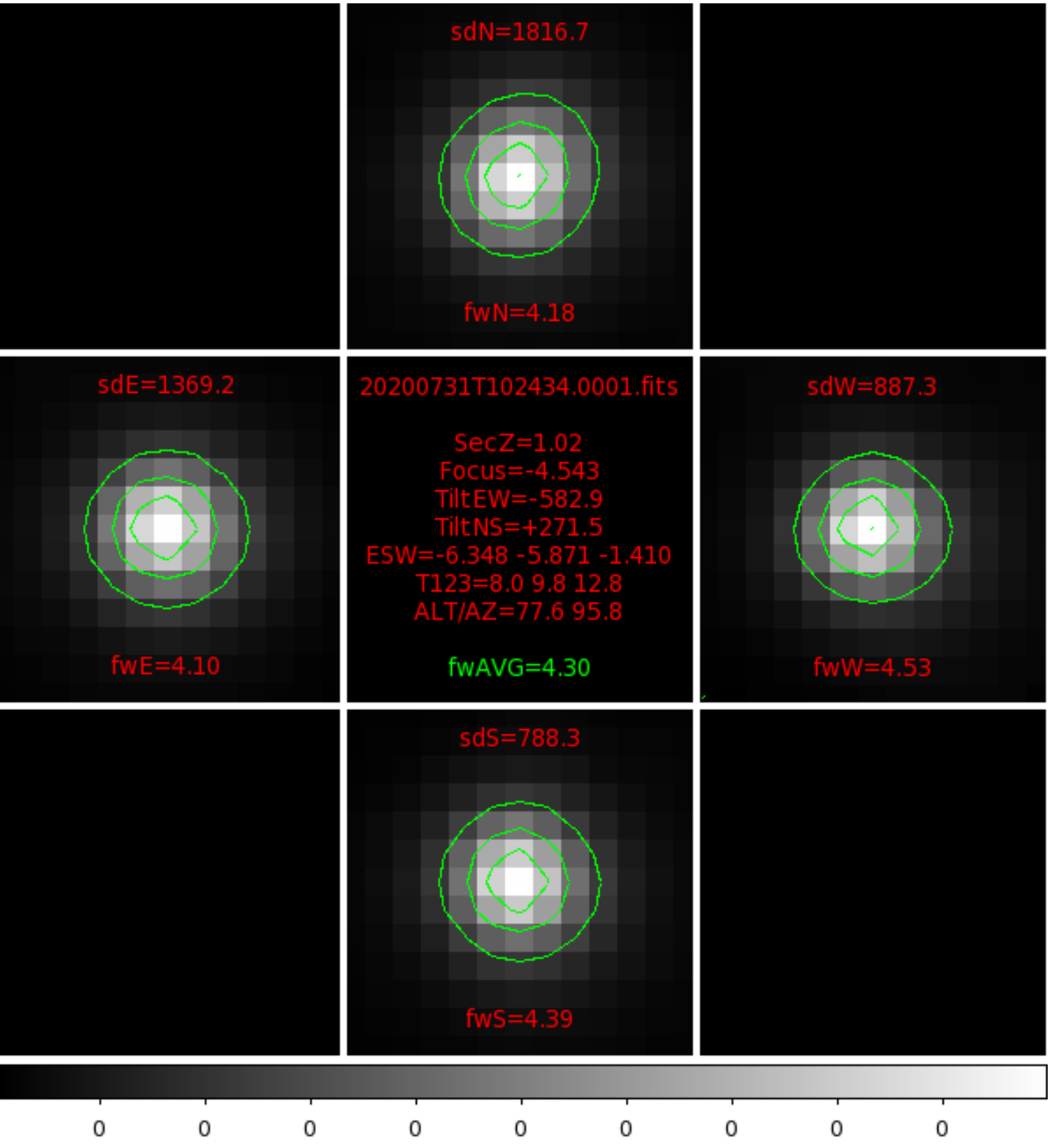
sdN=1816.7
fwN=4.18
sdE=1369.2
fwE=4.10
20200731T102434.0001.fits
SecZ=1.02
Focus=-4.543
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.348 -5.871 -1.410
T123=8.0 9.8 12.8
ALT/AZ=77.6 95.8
fwAVG=4.30
sdW=887.3
fwW=4.53
sdS=788.3
fwS=4.39
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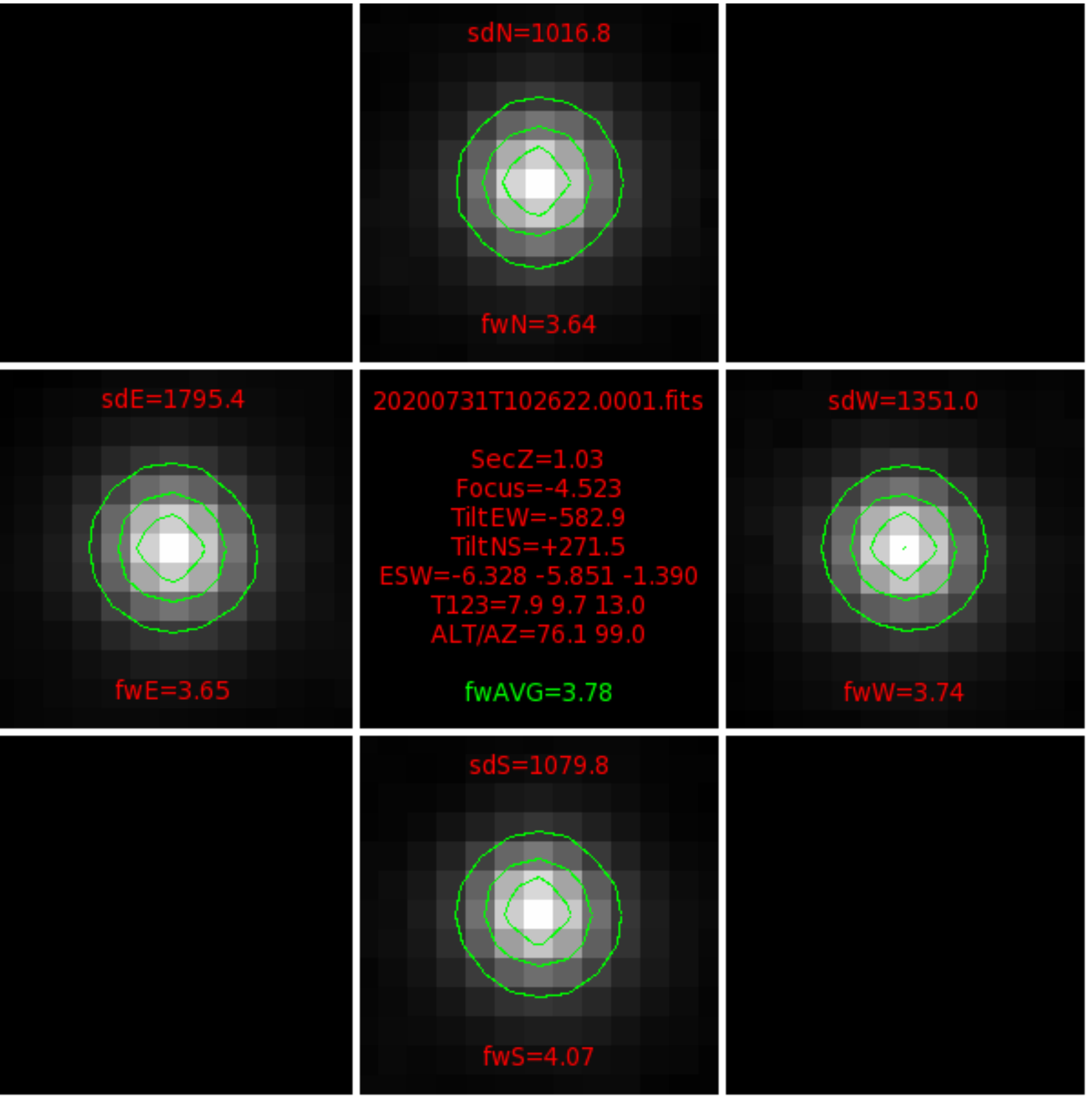
sdN=1016.8
fwN=3.64
sdE=1795.4
fwE=3.65
20200731T102622.0001.fits
SecZ=1.03
Focus=-4.523
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.328 -5.851 -1.390
T123=7.9 9.7 13.0
ALT/AZ=76.1 99.0
fwAVG=3.78
sdW=1351.0
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sdS=1079.8
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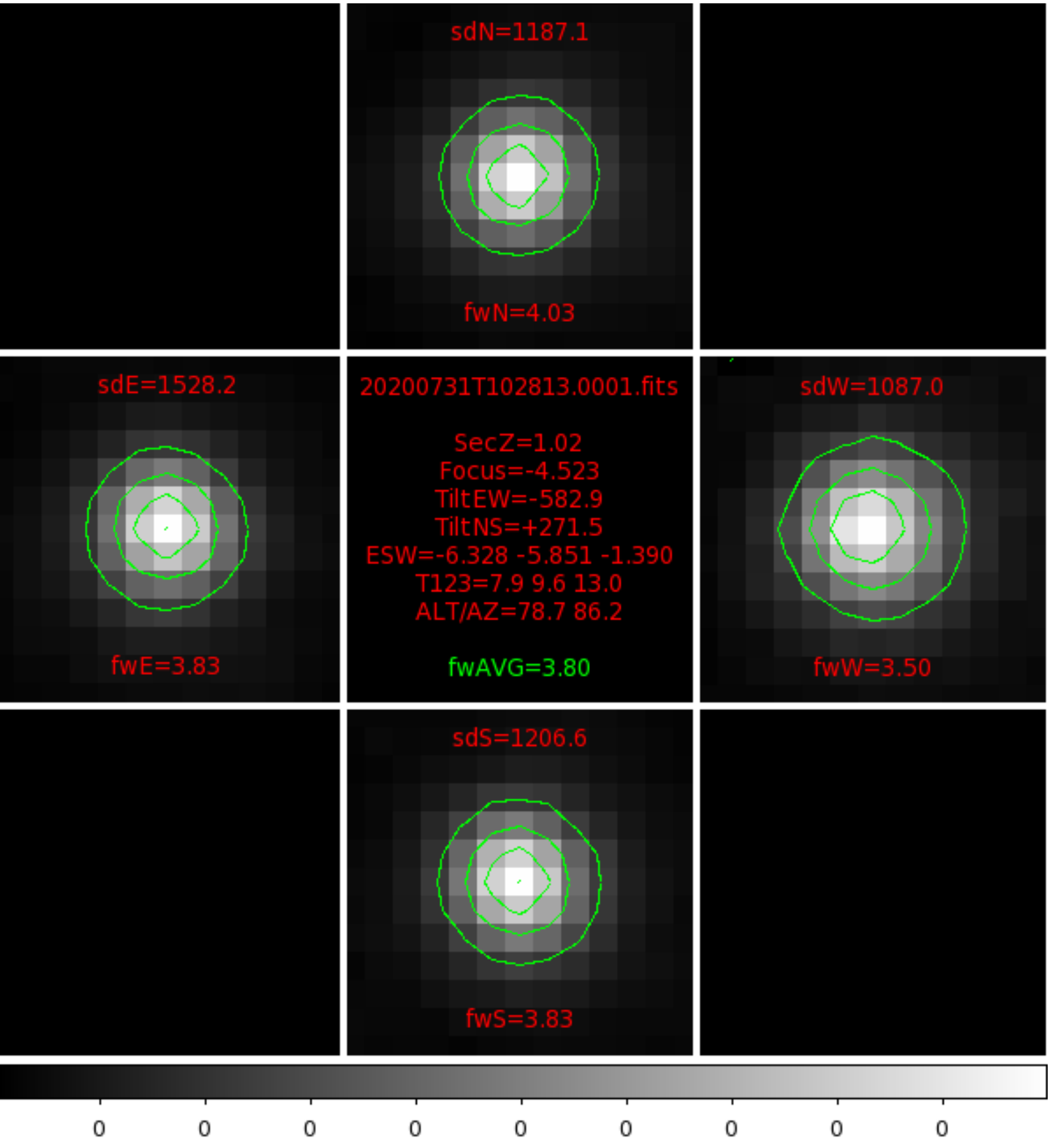
sdN=1187.1
fwN=4.03
sdE=1528.2
fwE=3.83
20200731T102813.0001.fits
SecZ=1.02
Focus=-4.523
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.328 -5.851 -1.390
T123=7.9 9.6 13.0
ALT/AZ=78.7 86.2
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sdW=1087.0
fwW=3.50
sdS=1206.6
fwS=3.83
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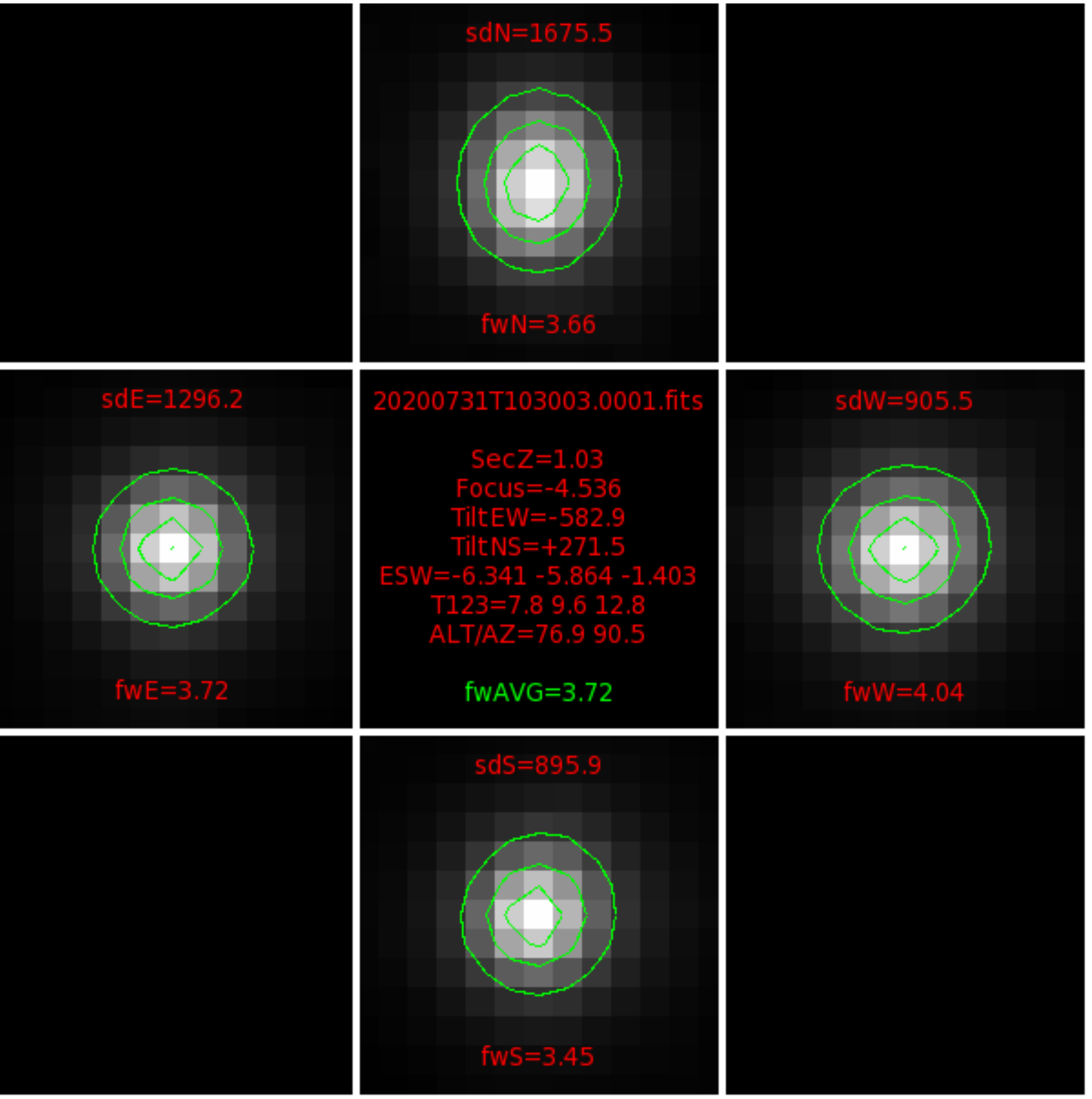
sdN=1675.5
fwN=3.66
sdE=1296.2
fwE=3.72
20200731T103003.0001.fits
SecZ=1.03
Focus=-4.536
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.341 -5.864 -1.403
T123=7.8 9.6 12.8
ALT/AZ=76.9 90.5
fwAVG=3.72
sdW=905.5
fwW=4.04
sdS=895.9
fwS=3.45
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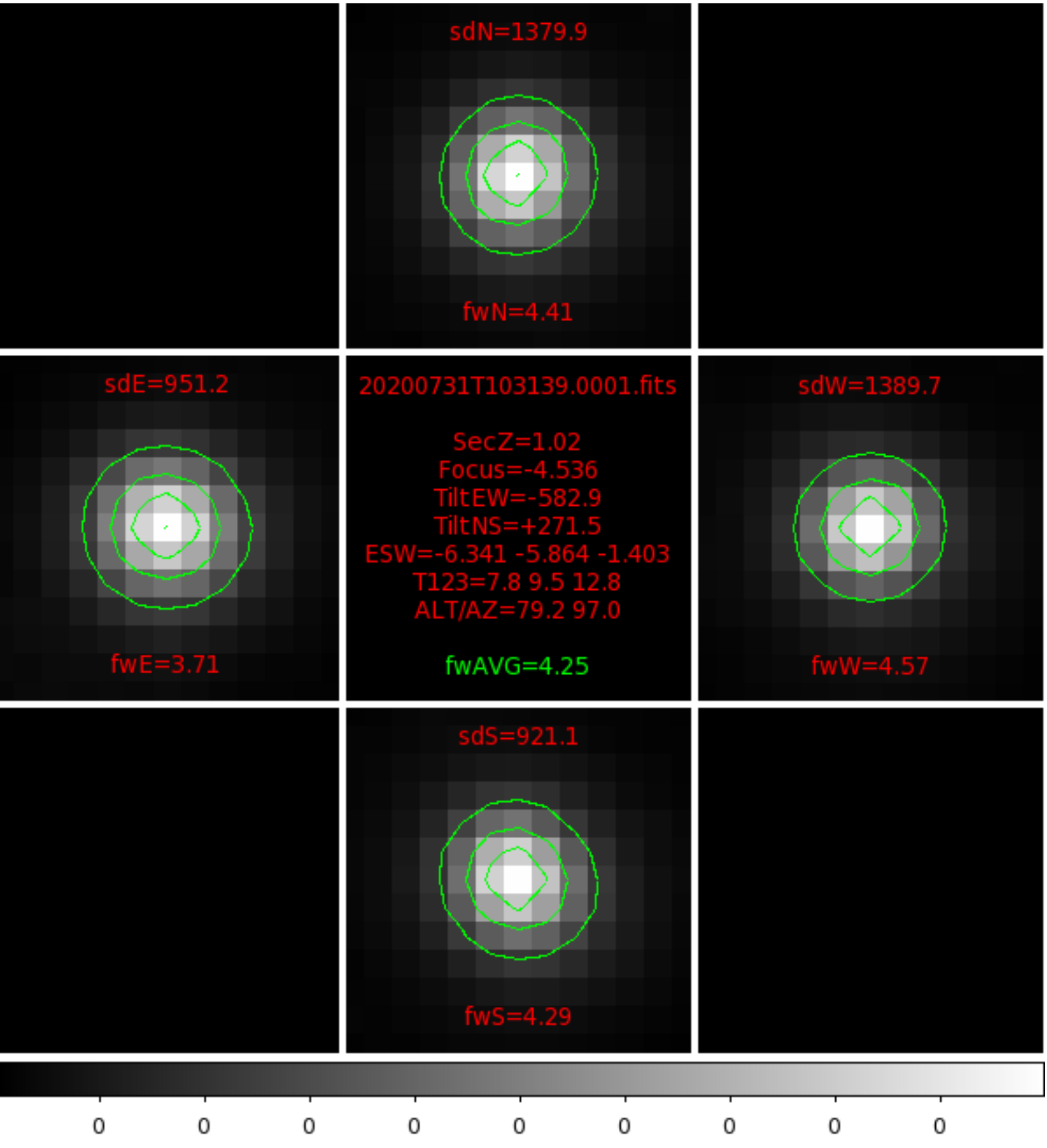
sdN=1379.9
fwN=4.41
sdE=951.2
fwE=3.71
20200731T103139.0001.fits
SecZ=1.02
Focus=-4.536
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.341 -5.864 -1.403
T123=7.8 9.5 12.8
ALT/AZ=79.2 97.0
fwAVG=4.25
sdW=1389.7
fwW=4.57
sdS=921.1
fwS=4.29
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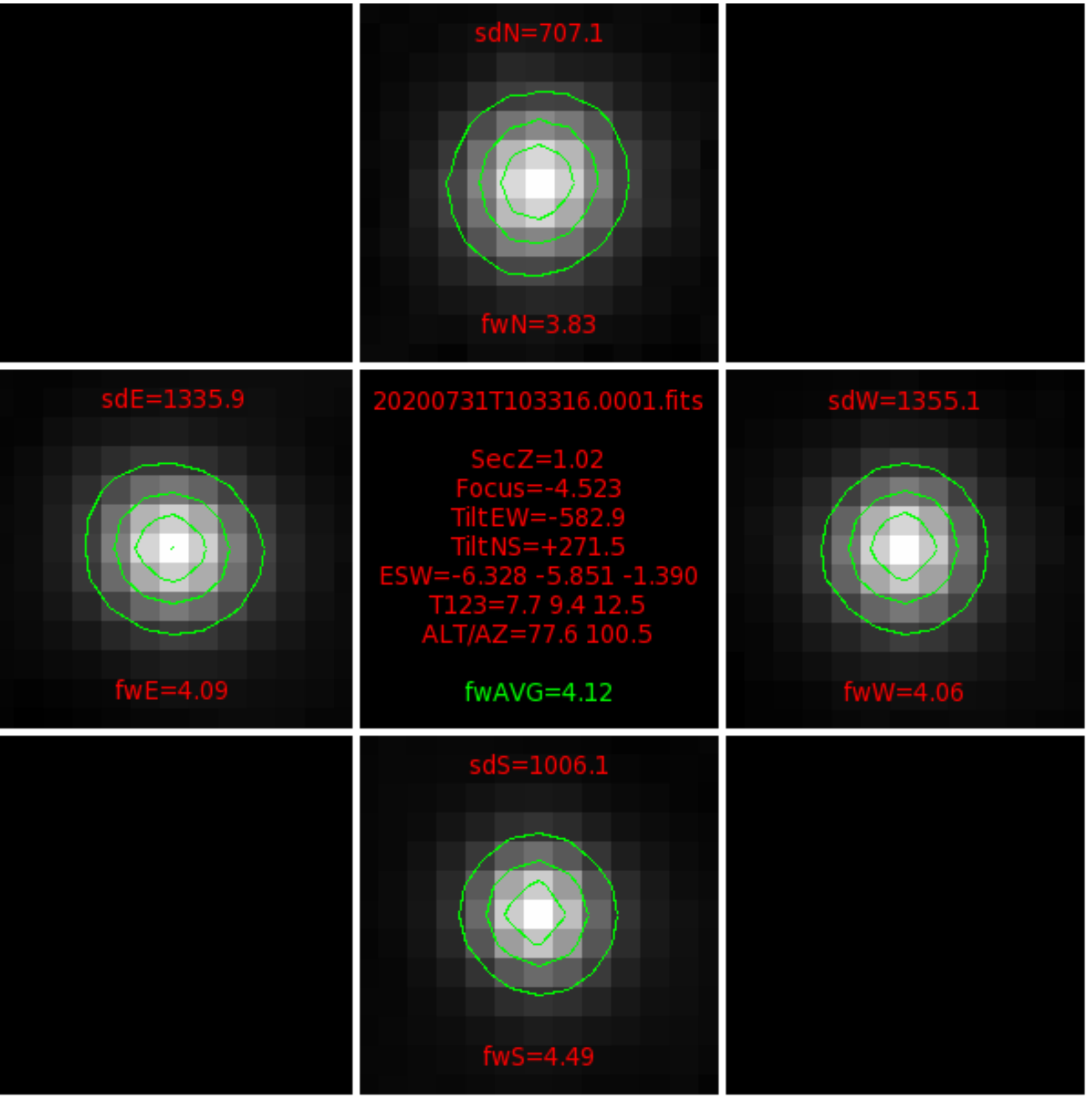
sdN=707.1
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sdE=1335.9
fwE=4.09
20200731T103316.0001.fits
SecZ=1.02
Focus=-4.523
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.328 -5.851 -1.390
T123=7.7 9.4 12.5
ALT/AZ=77.6 100.5
fwAVG=4.12
sdW=1355.1
fwW=4.06
sdS=1006.1
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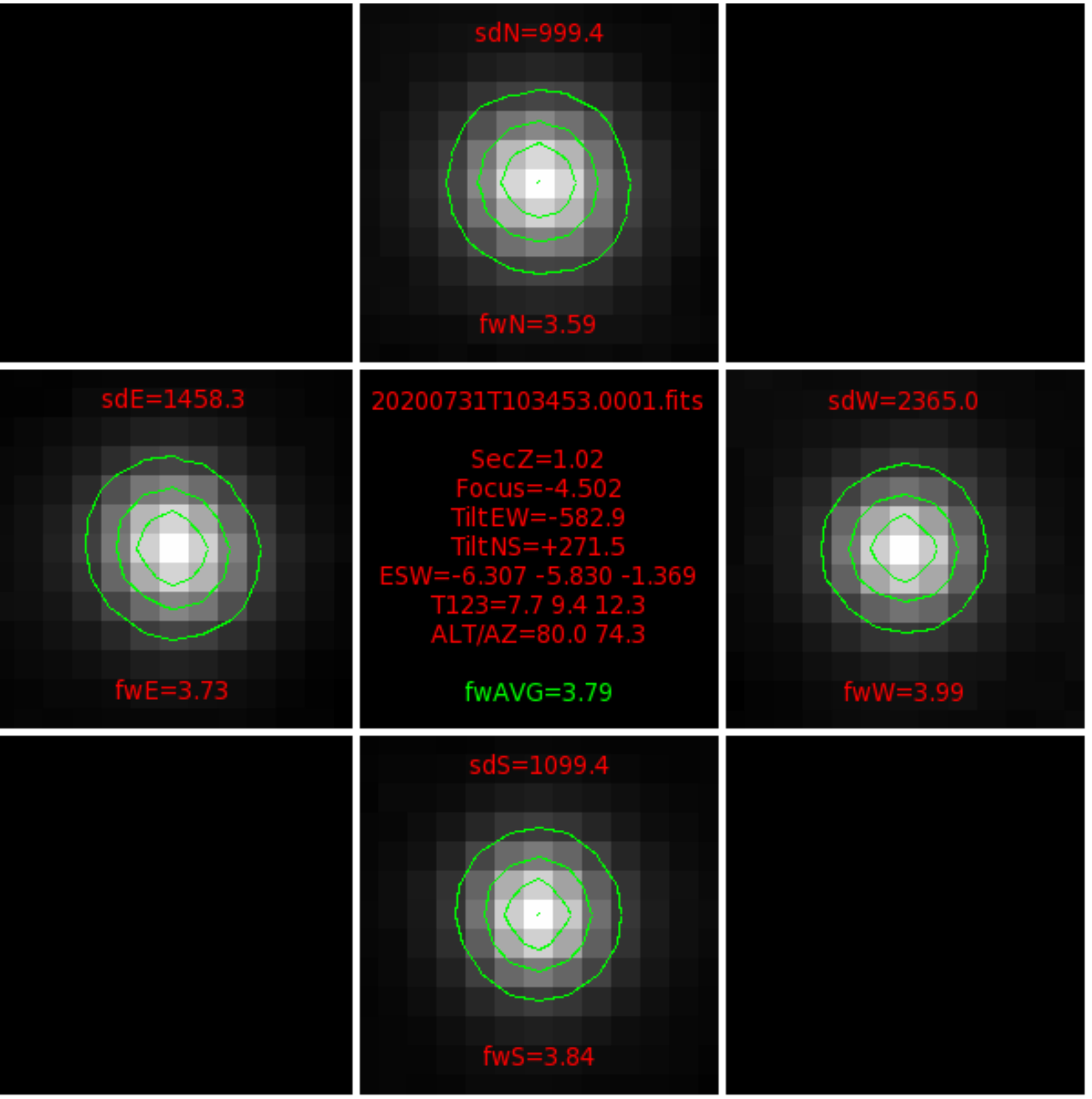
sdN=999.4
fwN=3.59
sdE=1458.3
fwE=3.73
20200731T103453.0001.fits
SecZ=1.02
Focus=-4.502
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.307 -5.830 -1.369
T123=7.7 9.4 12.3
ALT/AZ=80.0 74.3
fwAVG=3.79
sdW=2365.0
fwW=3.99
sdS=1099.4
fwS=3.84
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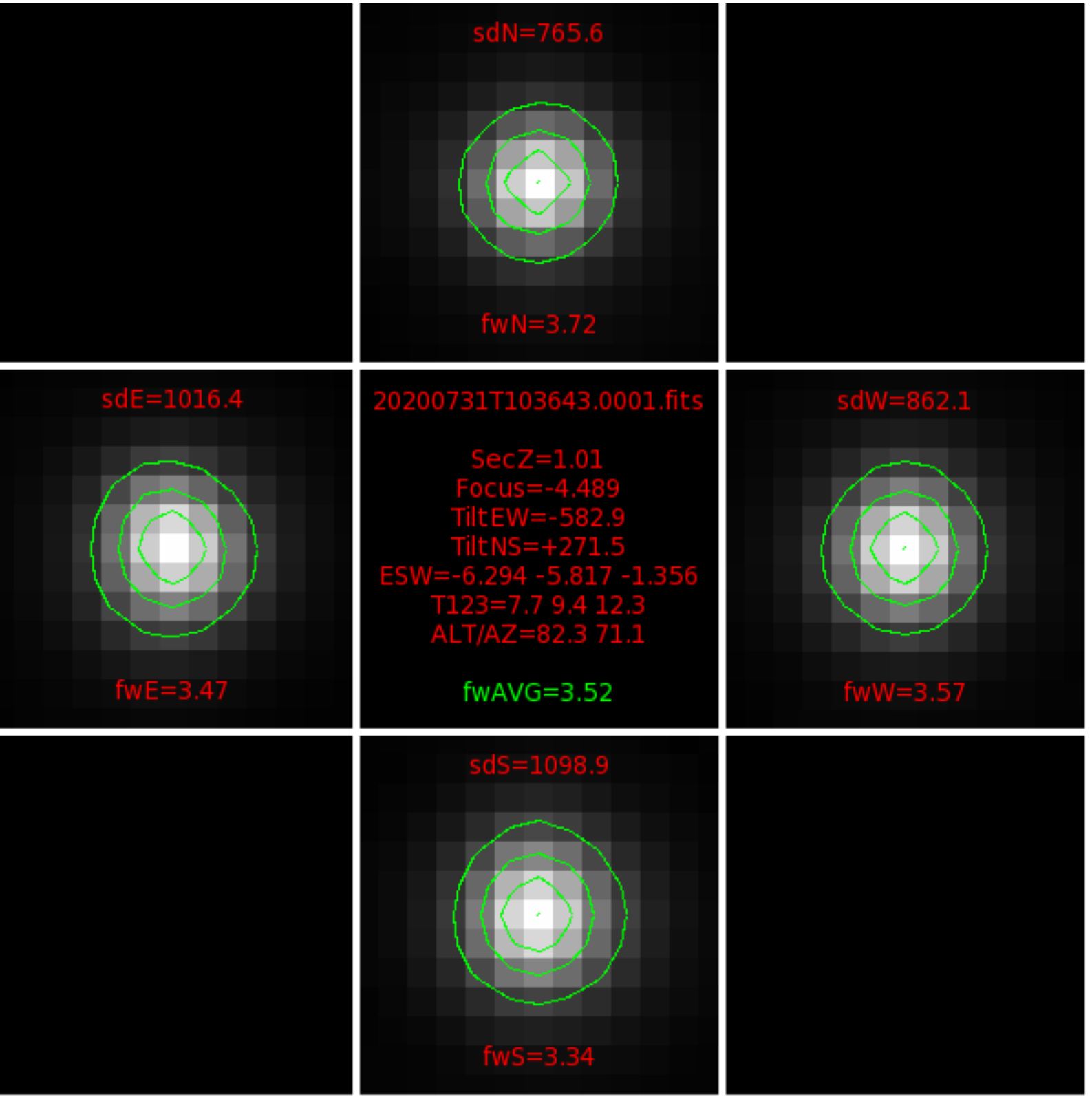
sdN=765.6
fwN=3.72
sdE=1016.4
fwE=3.47
20200731T103643.0001.fits
SecZ=1.01
Focus=-4.489
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.294 -5.817 -1.356
T123=7.7 9.4 12.3
ALT/AZ=82.3 71.1
fwAVG=3.52
sdW=862.1
fwW=3.57
sdS=1098.9
fwS=3.34
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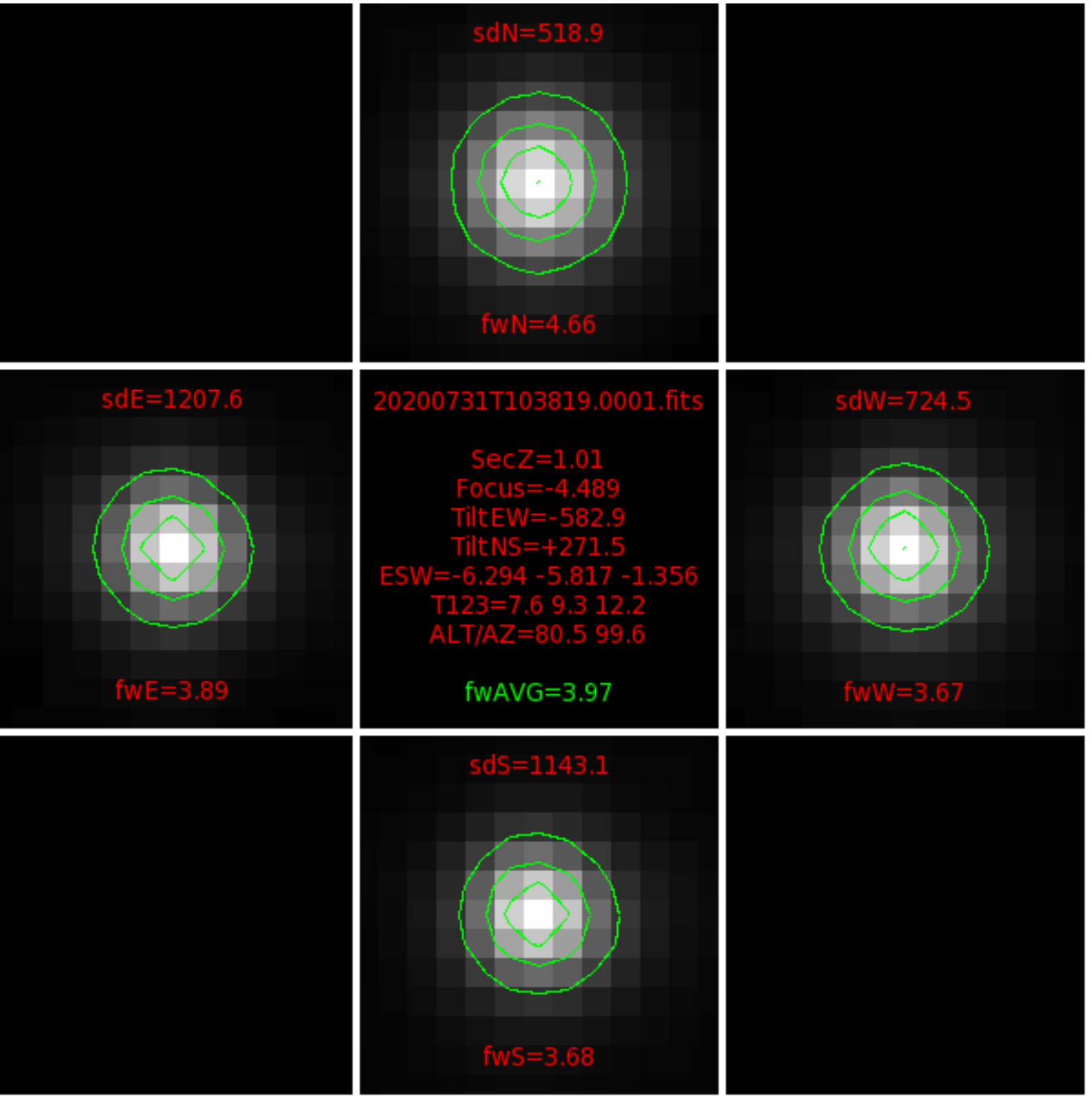
sdN=518.9
fwN=4.66
sdE=1207.6
fwE=3.89
20200731T103819.0001.fits
SecZ=1.01
Focus=-4.489
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.294 -5.817 -1.356
T123=7.6 9.3 12.2
ALT/AZ=80.5 99.6
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sdW=724.5
fwW=3.67
sdS=1143.1
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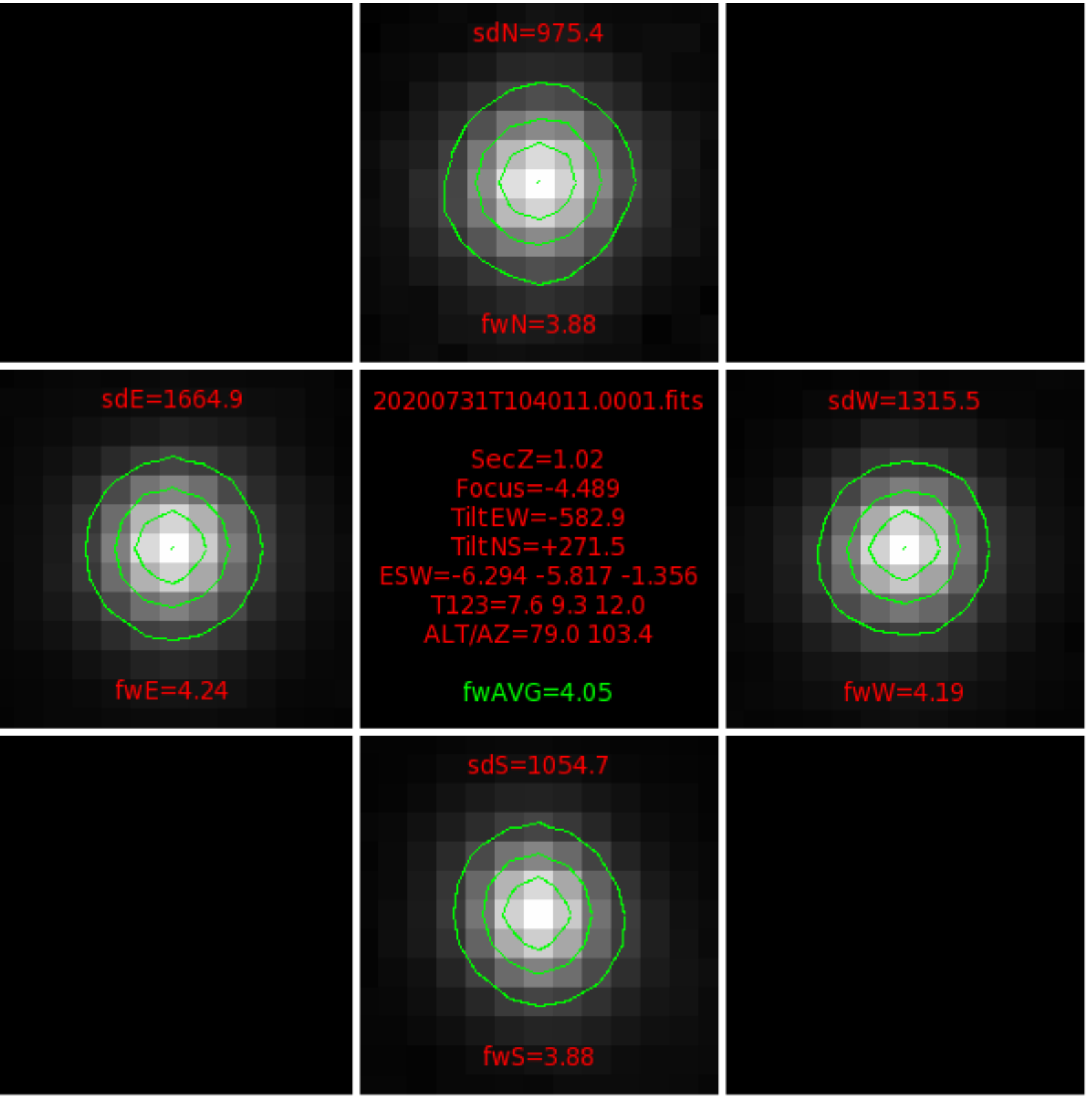
sdN=975.4
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sdE=1664.9
fwE=4.24
20200731T104011.0001.fits
SecZ=1.02
Focus=-4.489
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.294 -5.817 -1.356
T123=7.6 9.3 12.0
ALT/AZ=79.0 103.4
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sdW=1315.5
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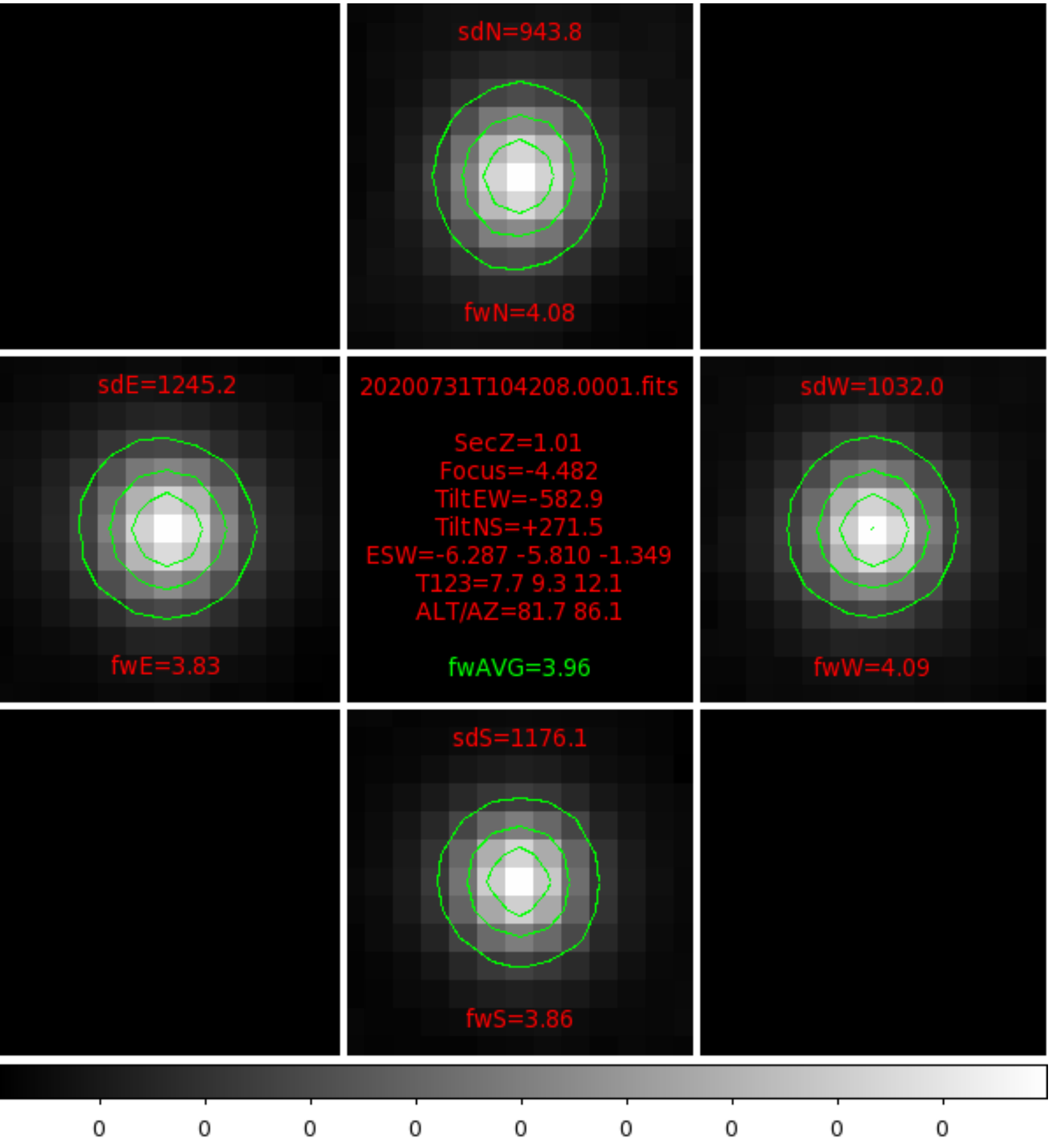
sdN=943.8
fwN=4.08
sdE=1245.2
fwE=3.83
20200731T104208.0001.fits
SecZ=1.01
Focus=-4.482
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.287 -5.810 -1.349
T123=7.7 9.3 12.1
ALT/AZ=81.7 86.1
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sdW=1032.0
fwW=4.09
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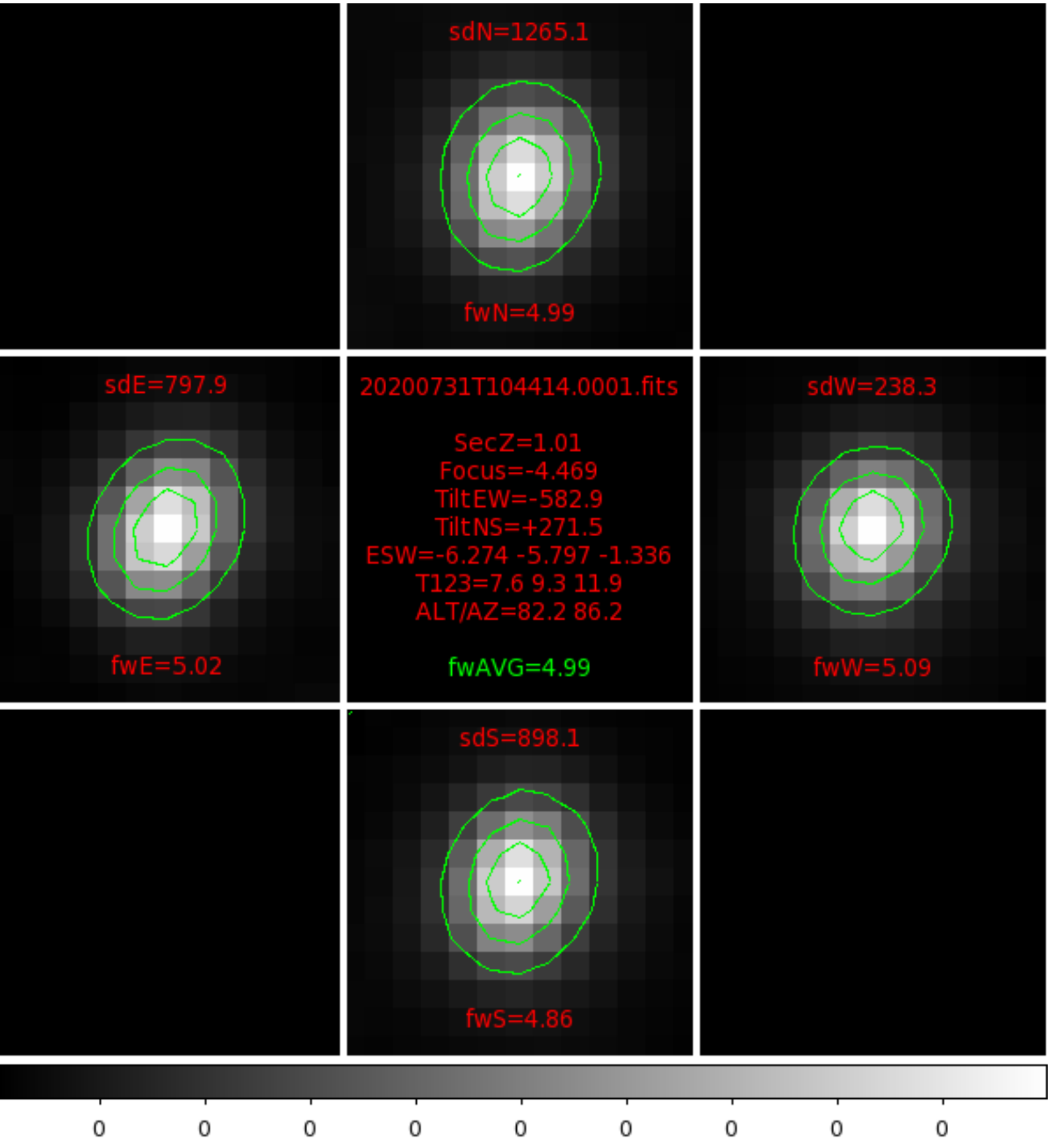
sdN=1265.1
fwN=4.99
sdE=797.9
fwE=5.02
20200731T104414.0001.fits
SecZ=1.01
Focus=-4.469
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.274 -5.797 -1.336
T123=7.6 9.3 11.9
ALT/AZ=82.2 86.2
fwAVG=4.99
sdW=238.3
fwW=5.09
sdS=898.1
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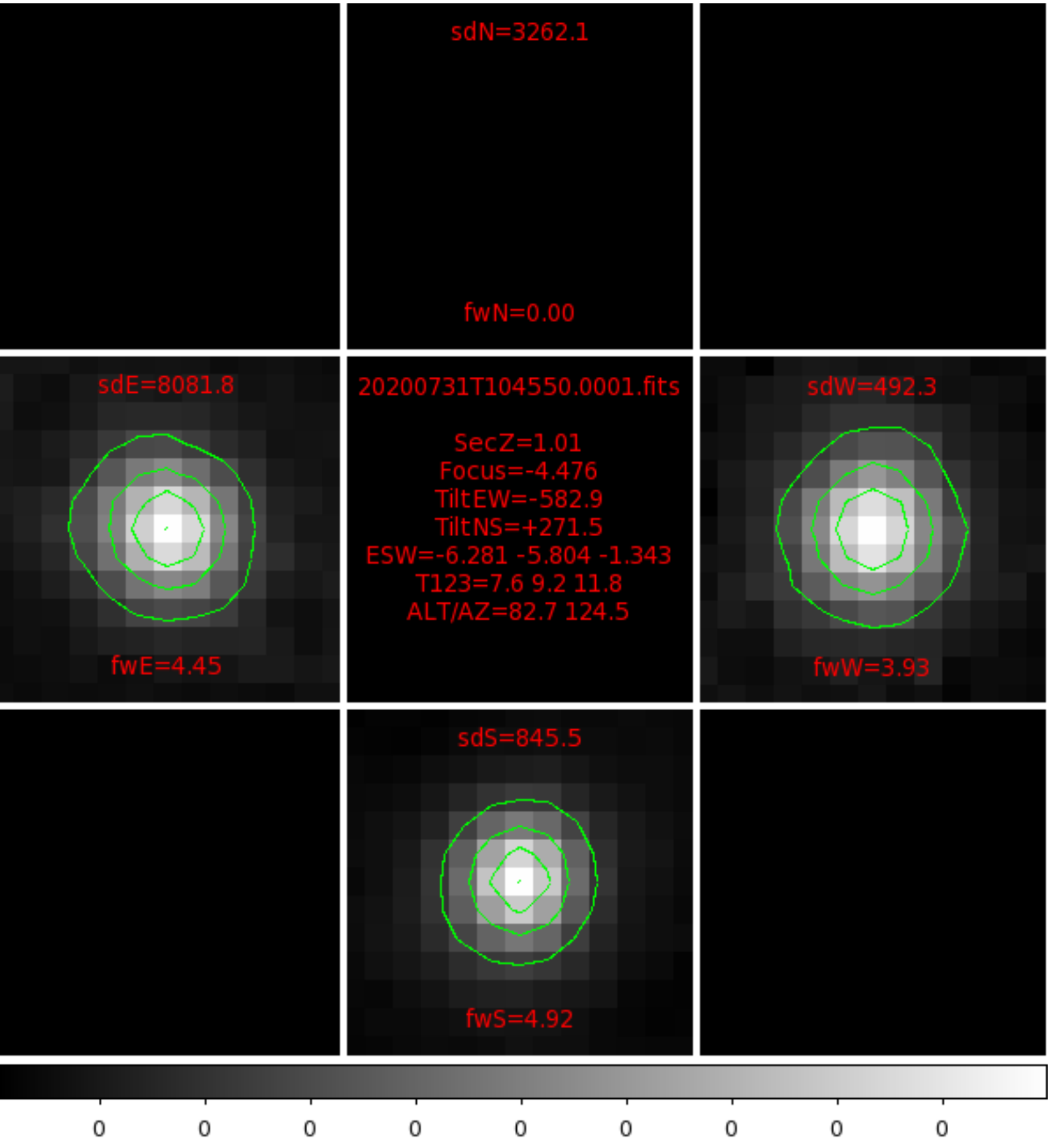
sdN=3262.1
fwN=0.00
sdE=8081.8
fwE=4.45
20200731T104550.0001.fits
SecZ=1.01
Focus=-4.476
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.281 -5.804 -1.343
T123=7.6 9.2 11.8
ALT/AZ=82.7 124.5
sdW=492.3
fwW=3.93
sdS=845.5
fwS=4.92
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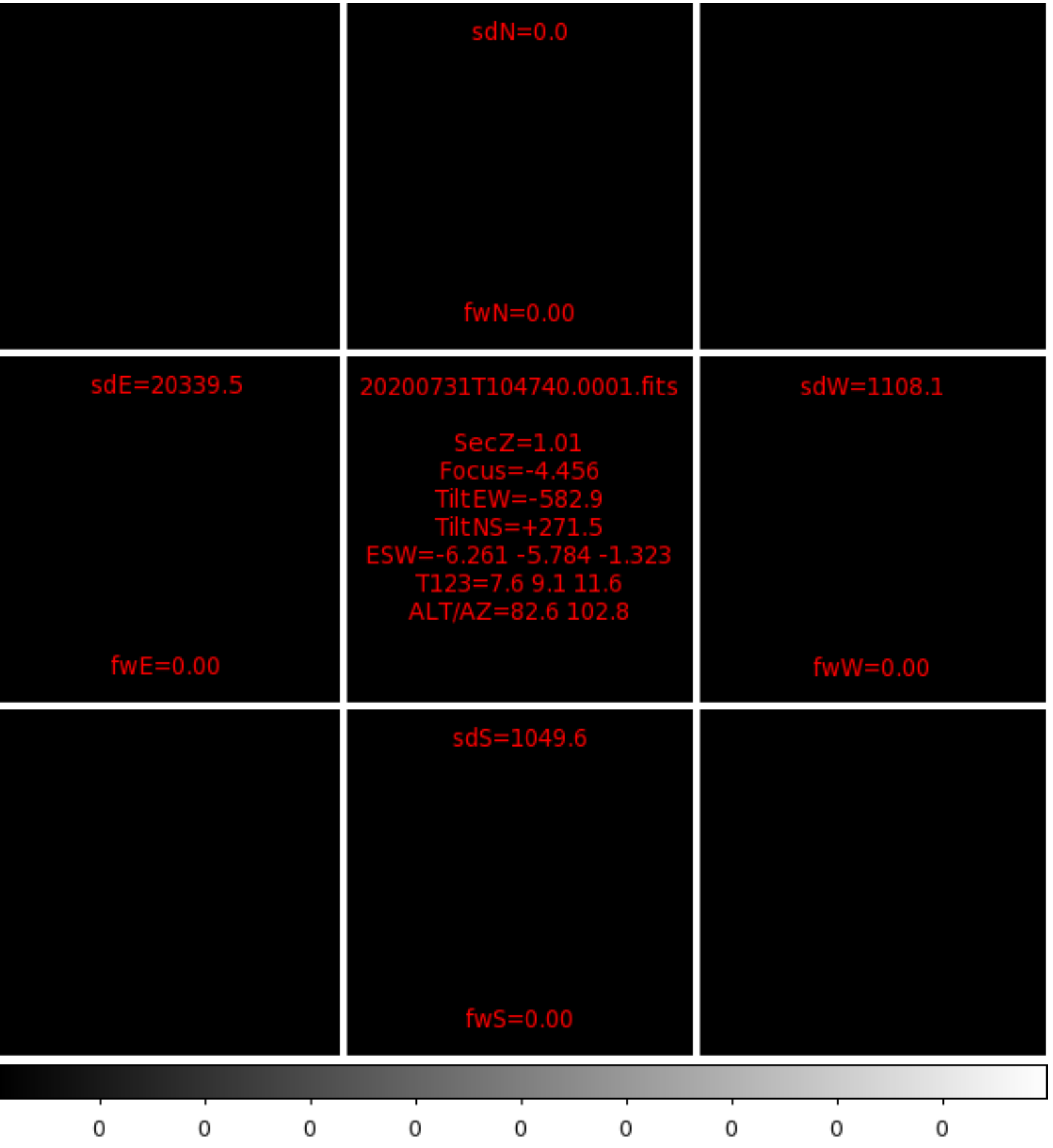
sdN=0.0
fwN=0.00
sdE=20339.5
fwE=0.00
20200731T104740.0001.fits
SecZ=1.01
Focus=-4.456
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.261 -5.784 -1.323
T123=7.6 9.1 11.6
ALT/AZ=82.6 102.8
sdW=1108.1
fwW=0.00
sdS=1049.6
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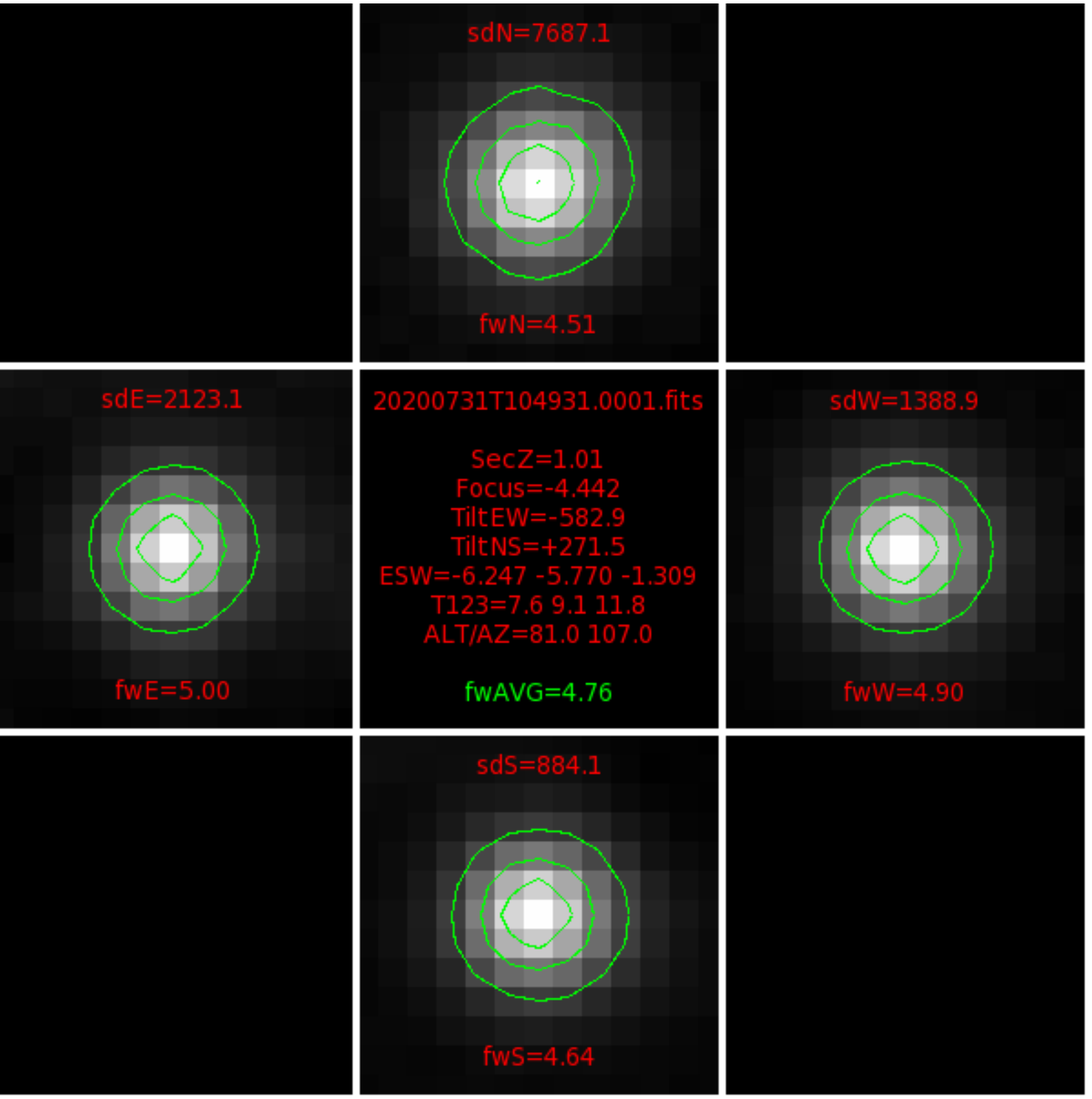
sdN=7687.1
fwN=4.51
sdE=2123.1
fwE=5.00
20200731T104931.0001.fits
SecZ=1.01
Focus=-4.442
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.247 -5.770 -1.309
T123=7.6 9.1 11.8
ALT/AZ=81.0 107.0
fwAVG=4.76
sdW=1388.9
fwW=4.90
sdS=884.1
fwS=4.64
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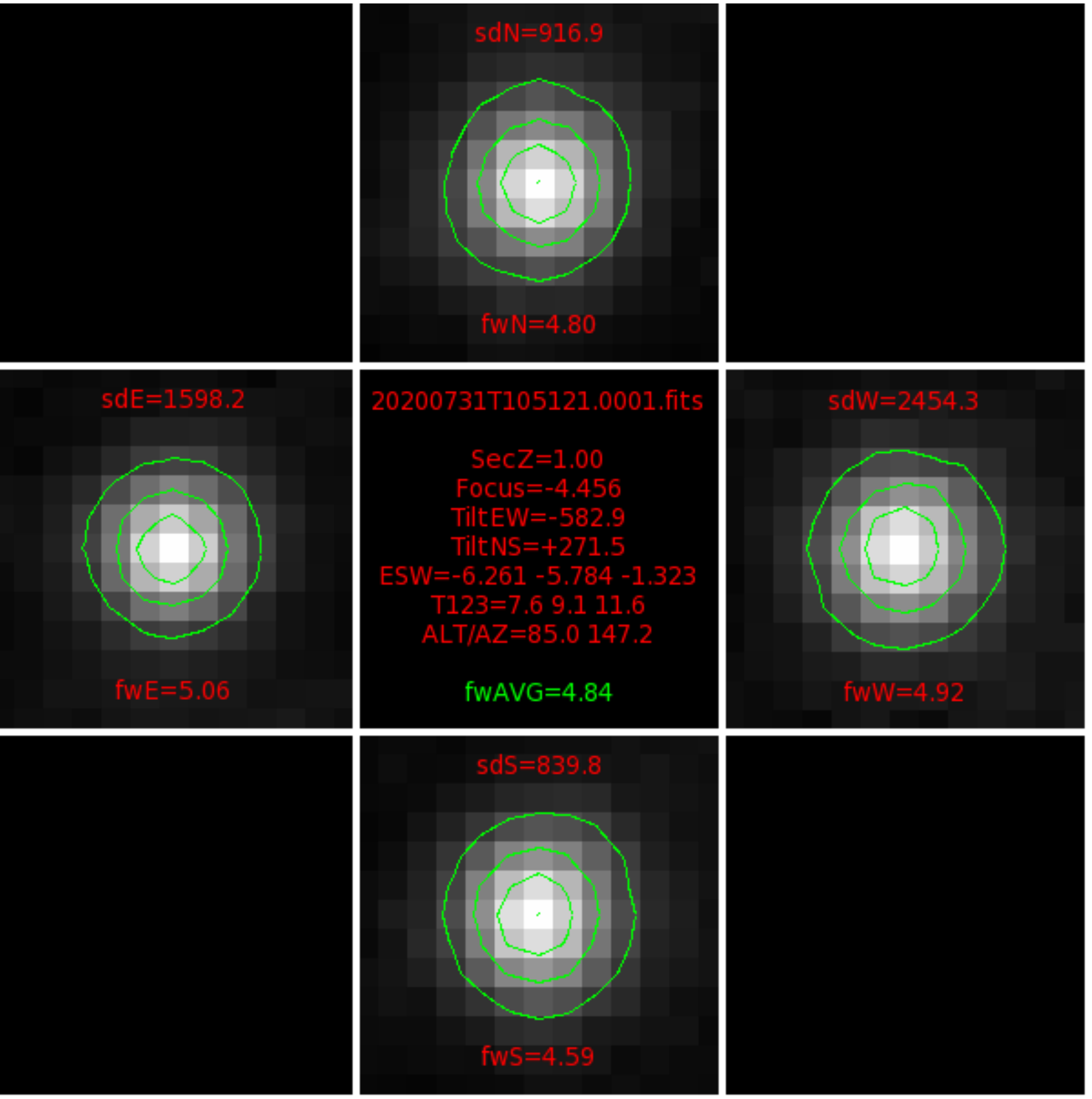
sdN=916.9
fwN=4.80
sdE=1598.2
fwE=5.06
20200731T105121.0001.fits
SecZ=1.00
Focus=-4.456
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.261 -5.784 -1.323
T123=7.6 9.1 11.6
ALT/AZ=85.0 147.2
fwAVG=4.84
sdW=2454.3
fwW=4.92
sdS=839.8
fwS=4.59
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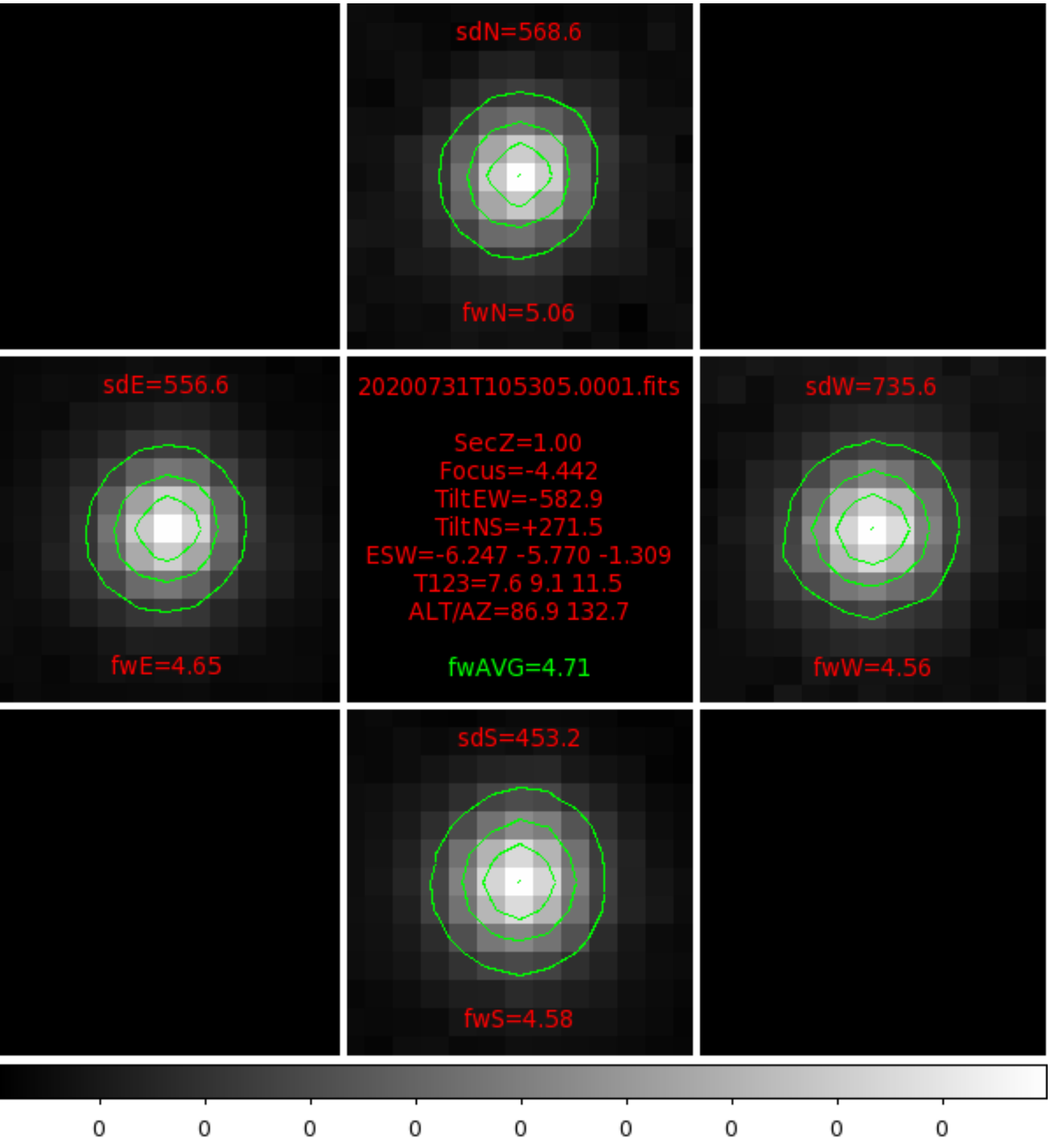
sdN=568.6
fwN=5.06
sdE=556.6
fwE=4.65
20200731T105305.0001.fits
SecZ=1.00
Focus=-4.442
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.247 -5.770 -1.309
T123=7.6 9.1 11.5
ALT/AZ=86.9 132.7
fwAVG=4.71
sdW=735.6
fwW=4.56
sdS=453.2
fwS=4.58
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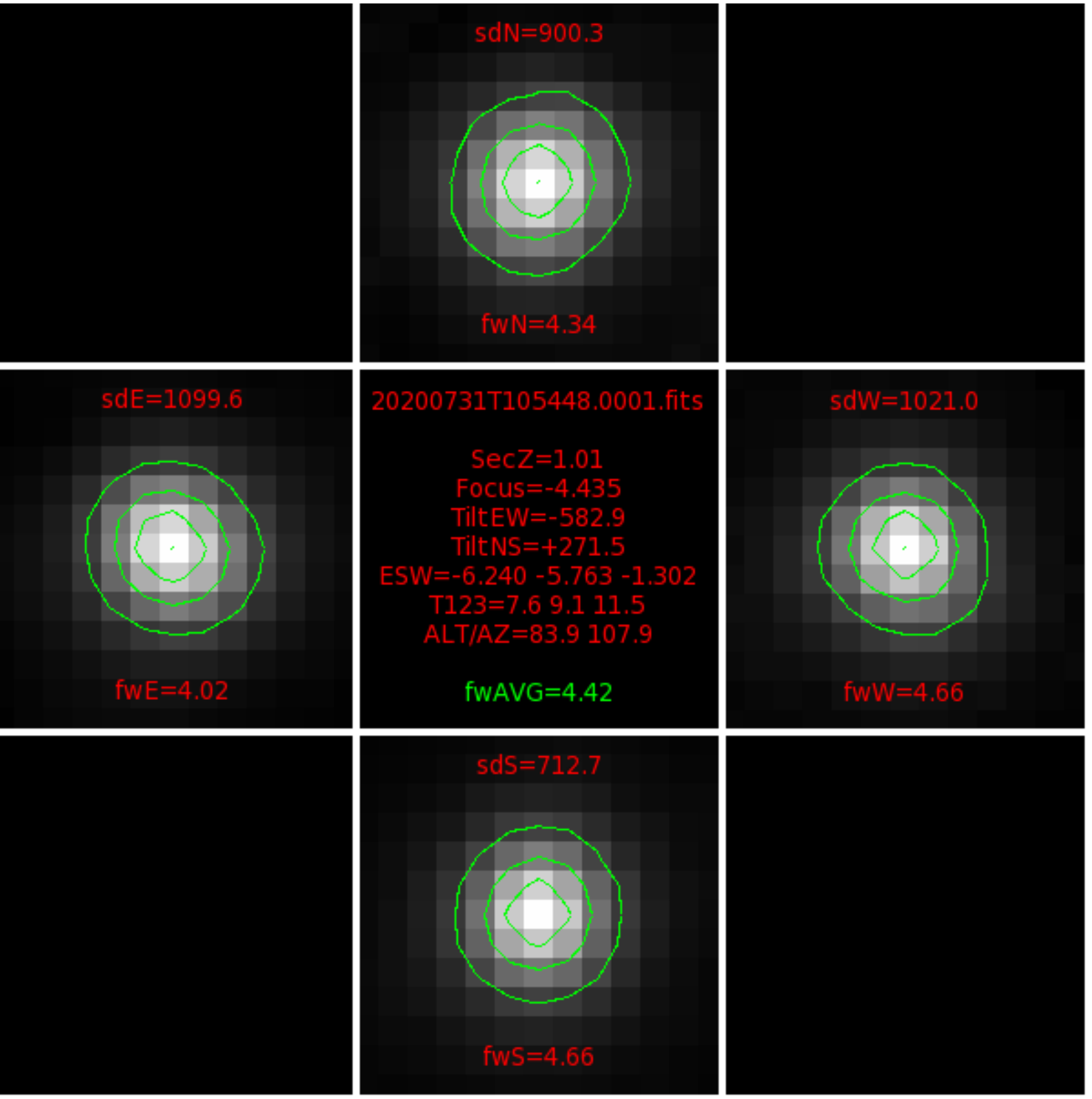
sdN=900.3
fwN=4.34
sdE=1099.6
fwE=4.02
20200731T105448.0001.fits
SecZ=1.01
Focus=-4.435
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.240 -5.763 -1.302
T123=7.6 9.1 11.5
ALT/AZ=83.9 107.9
fwAVG=4.42
sdW=1021.0
fwW=4.66
sdS=712.7
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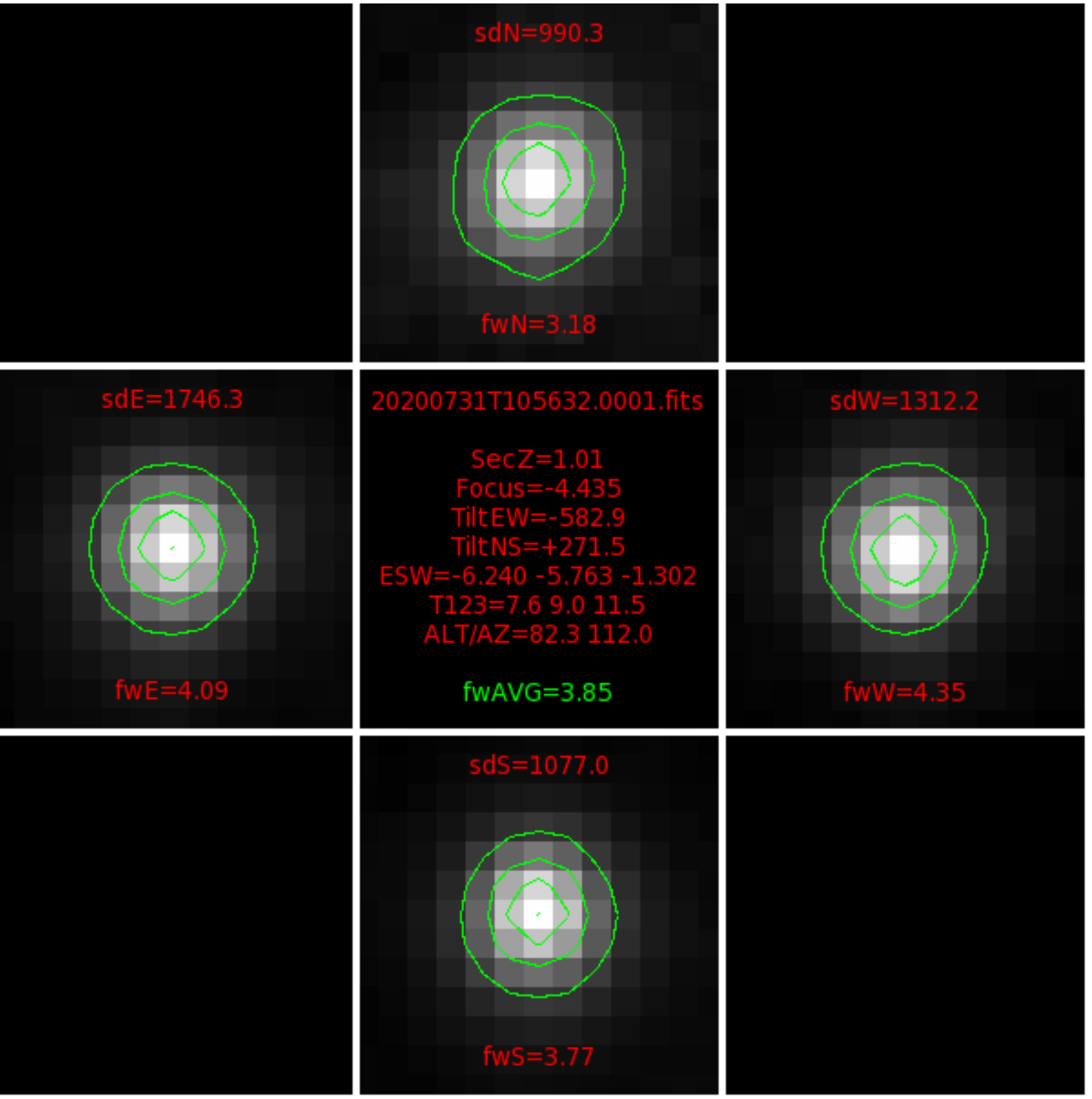
sdN=990.3
fwN=3.18
sdE=1746.3
fwE=4.09
20200731T105632.0001.fits
SecZ=1.01
Focus=-4.435
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.240 -5.763 -1.302
T123=7.6 9.0 11.5
ALT/AZ=82.3 112.0
fwAVG=3.85
sdW=1312.2
fwW=4.35
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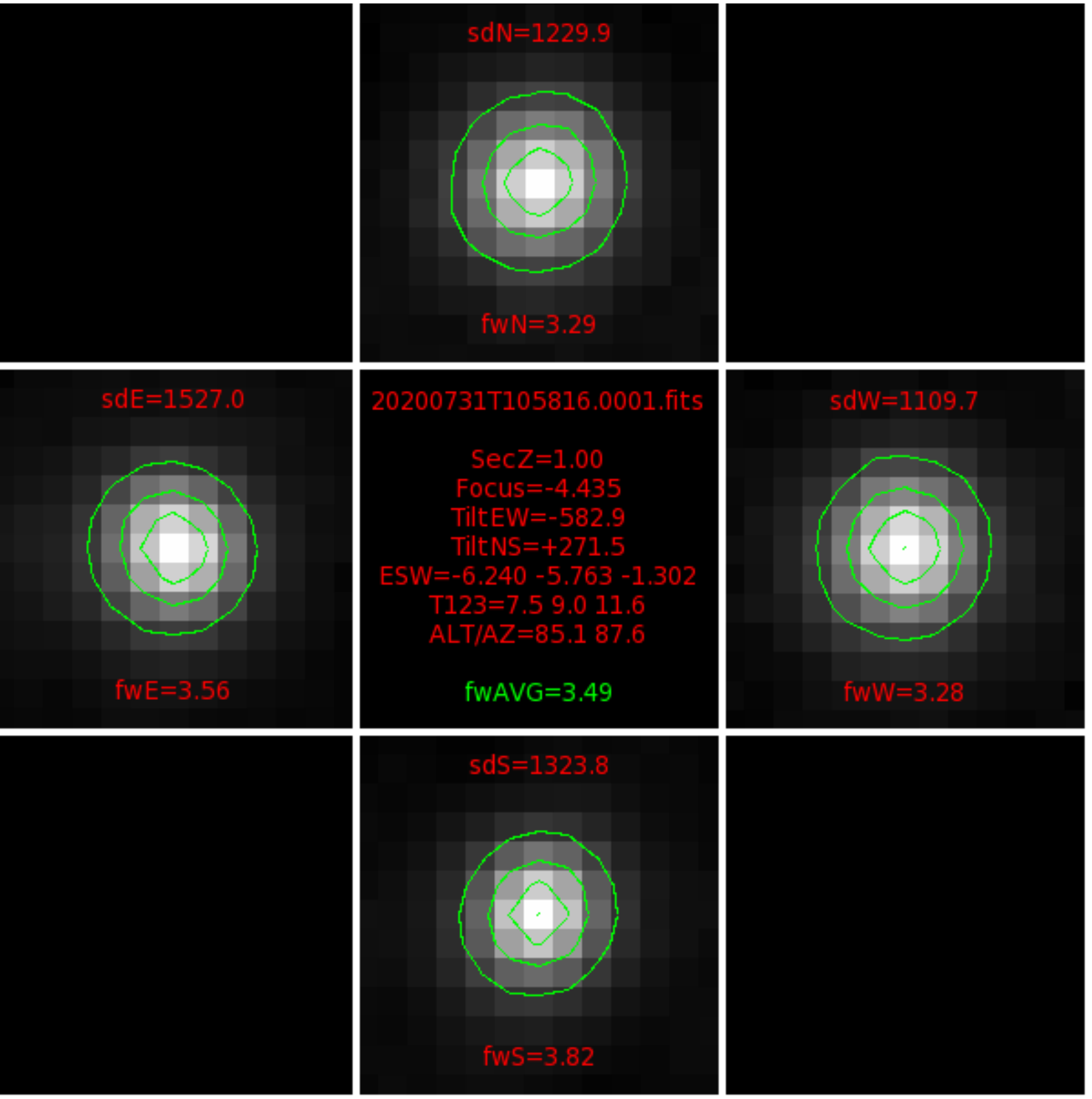
sdN=1229.9
fwN=3.29
sdE=1527.0
fwE=3.56
20200731T105816.0001.fits
SecZ=1.00
Focus=-4.435
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.240 -5.763 -1.302
T123=7.5 9.0 11.6
ALT/AZ=85.1 87.6
fwAVG=3.49
sdW=1109.7
fwW=3.28
sdS=1323.8
fwS=3.82
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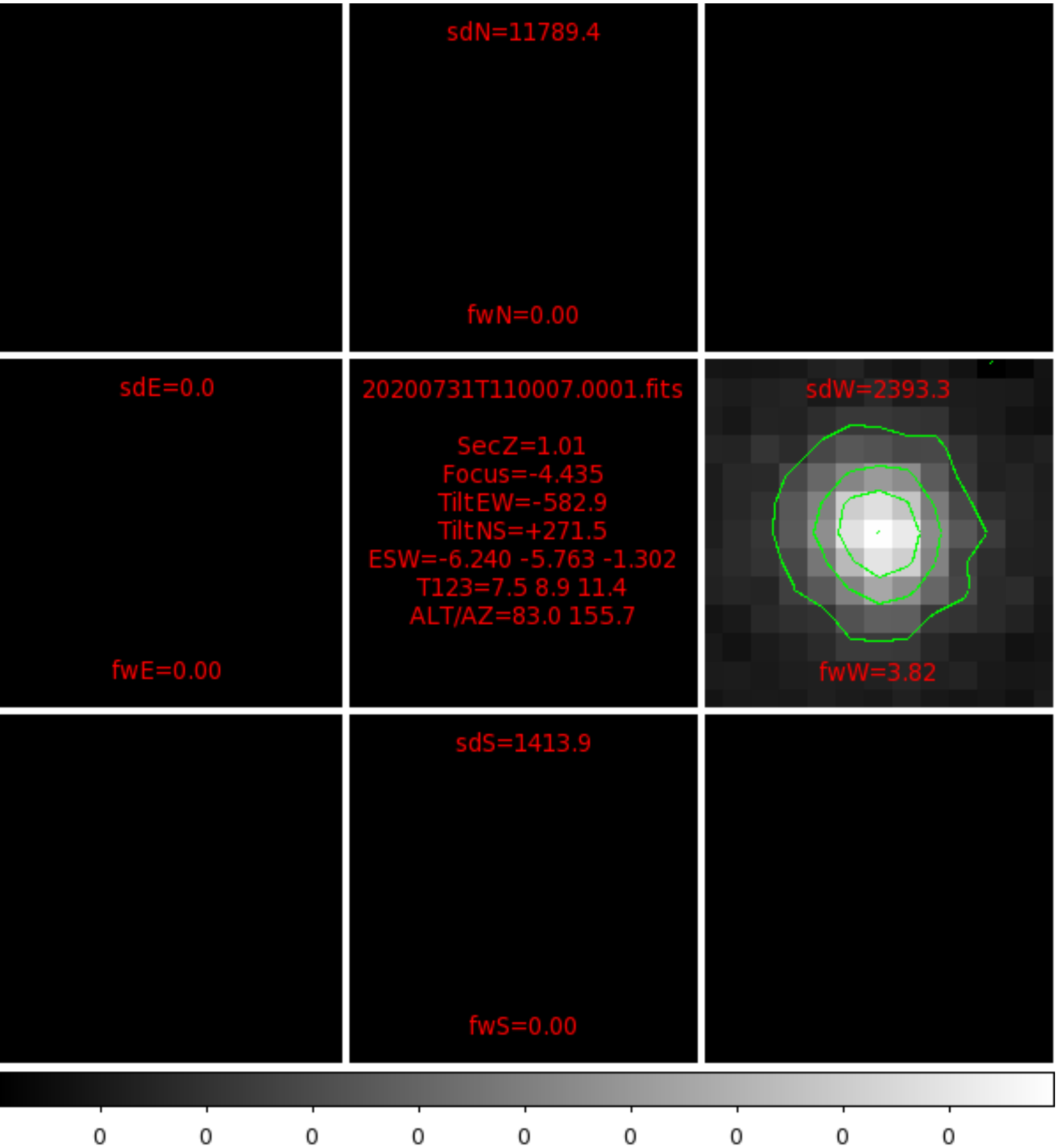
sdN=11789.4
fwN=0.00
sdE=0.0
20200731T110007.0001.fits
SecZ=1.01
Focus=-4.435
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.240 -5.763 -1.302
T123=7.5 8.9 11.4
ALT/AZ=83.0 155.7
sdW=2393.3
fwE=0.00
fwW=3.82
sdS=1413.9
fwS=0.00
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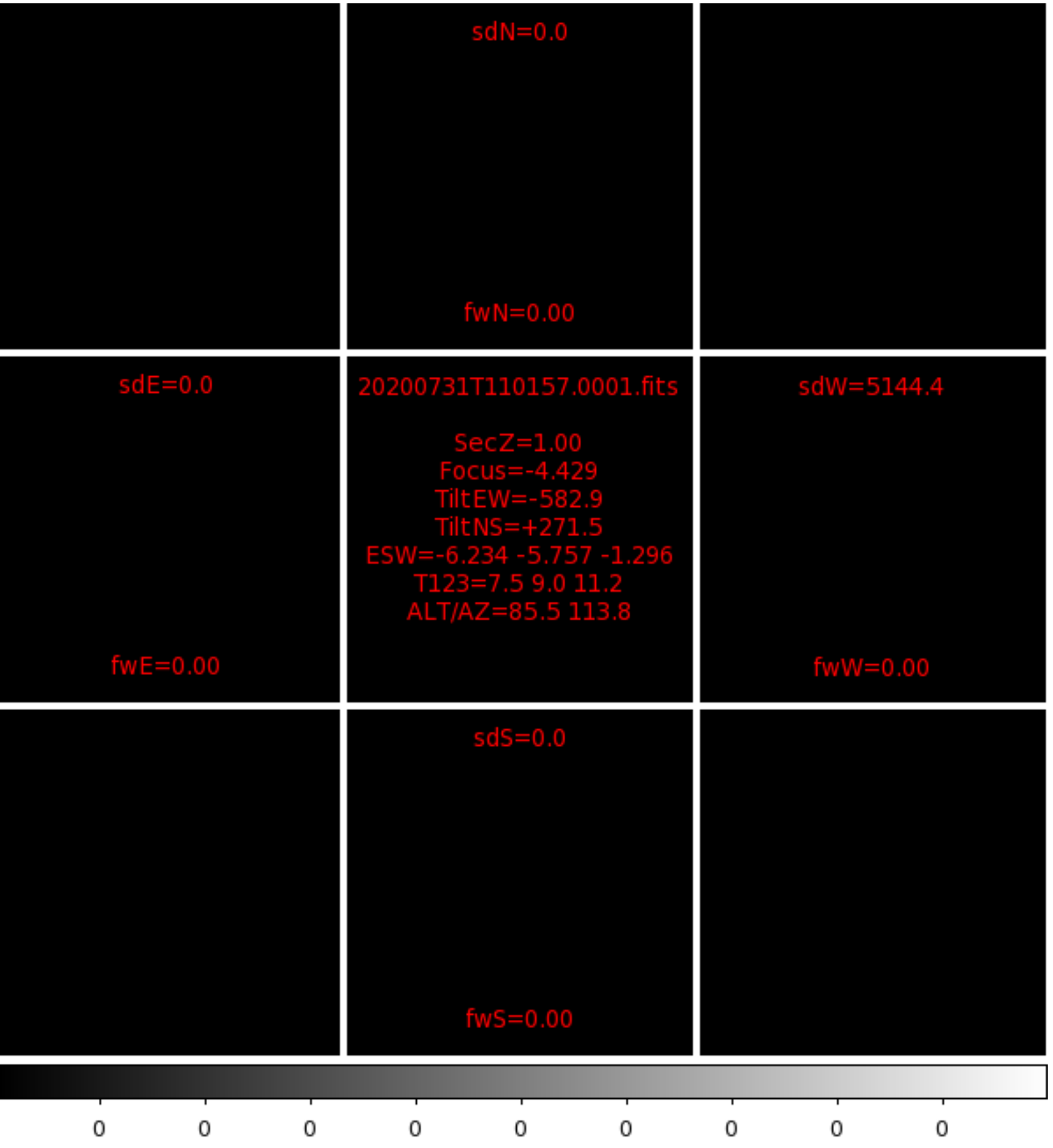
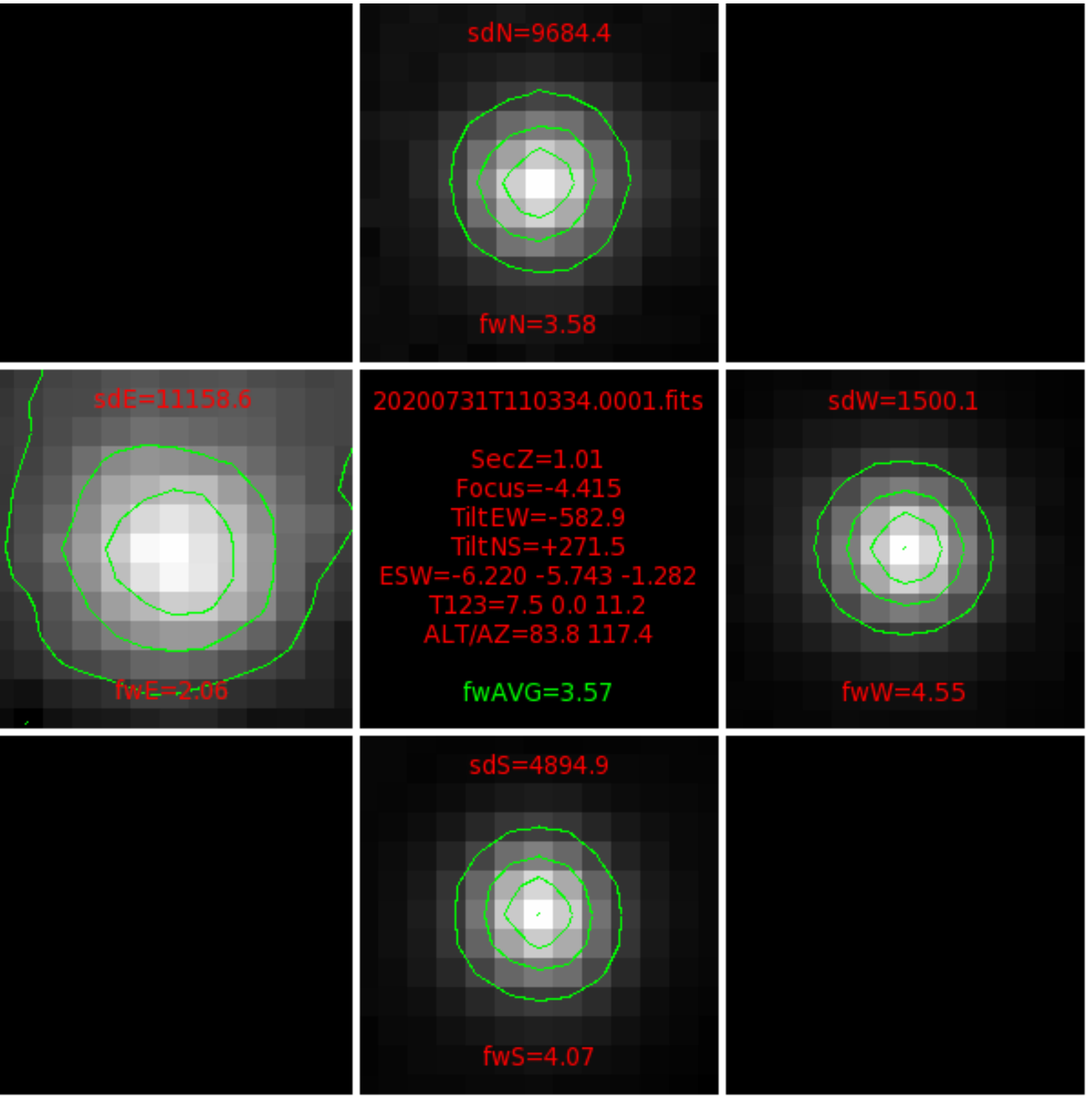

sdN=0.0
fwN=0.00
sdE=0.0
20200731T110157.0001.fits
SecZ=1.00
Focus=-4.429
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.234 -5.757 -1.296
T123=7.5 9.0 11.2
ALT/AZ=85.5 113.8
sdW=5144.4
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=9684.4
fwN=3.58
sdE=11158.6
fwE=2.06
20200731T110334.0001.fits
SecZ=1.01
Focus=-4.415
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.220 -5.743 -1.282
T123=7.5 0.0 11.2
ALT/AZ=83.8 117.4
fwAVG=3.57
sdW=1500.1
fwW=4.55
sdS=4894.9
fwS=4.07
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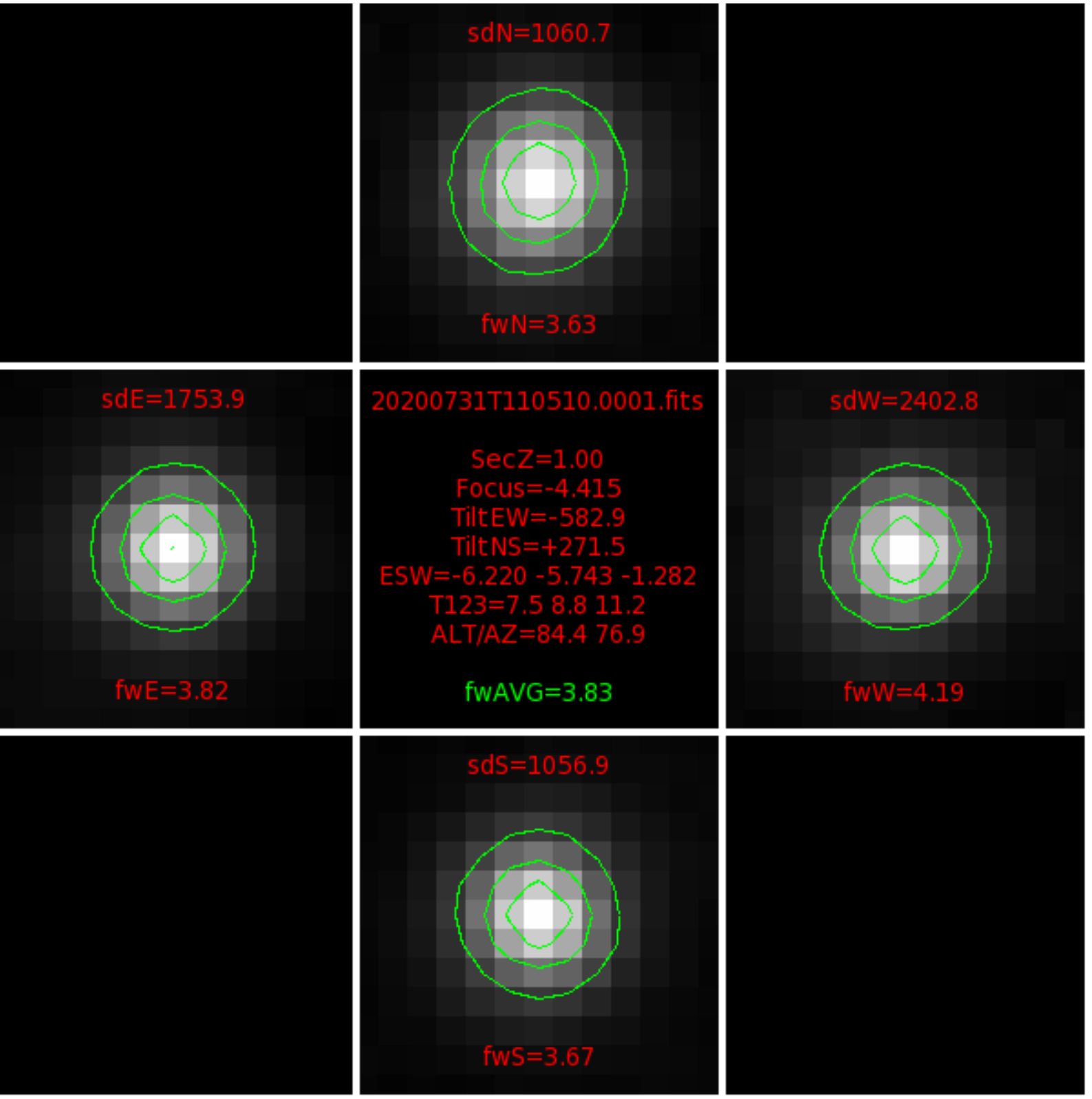
sdN=1060.7
fwN=3.63
sdE=1753.9
fwE=3.82
20200731T110510.0001.fits
SecZ=1.00
Focus=-4.415
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.220 -5.743 -1.282
T123=7.5 8.8 11.2
ALT/AZ=84.4 76.9
fwAVG=3.83
sdW=2402.8
fwW=4.19
sdS=1056.9
fwS=3.67
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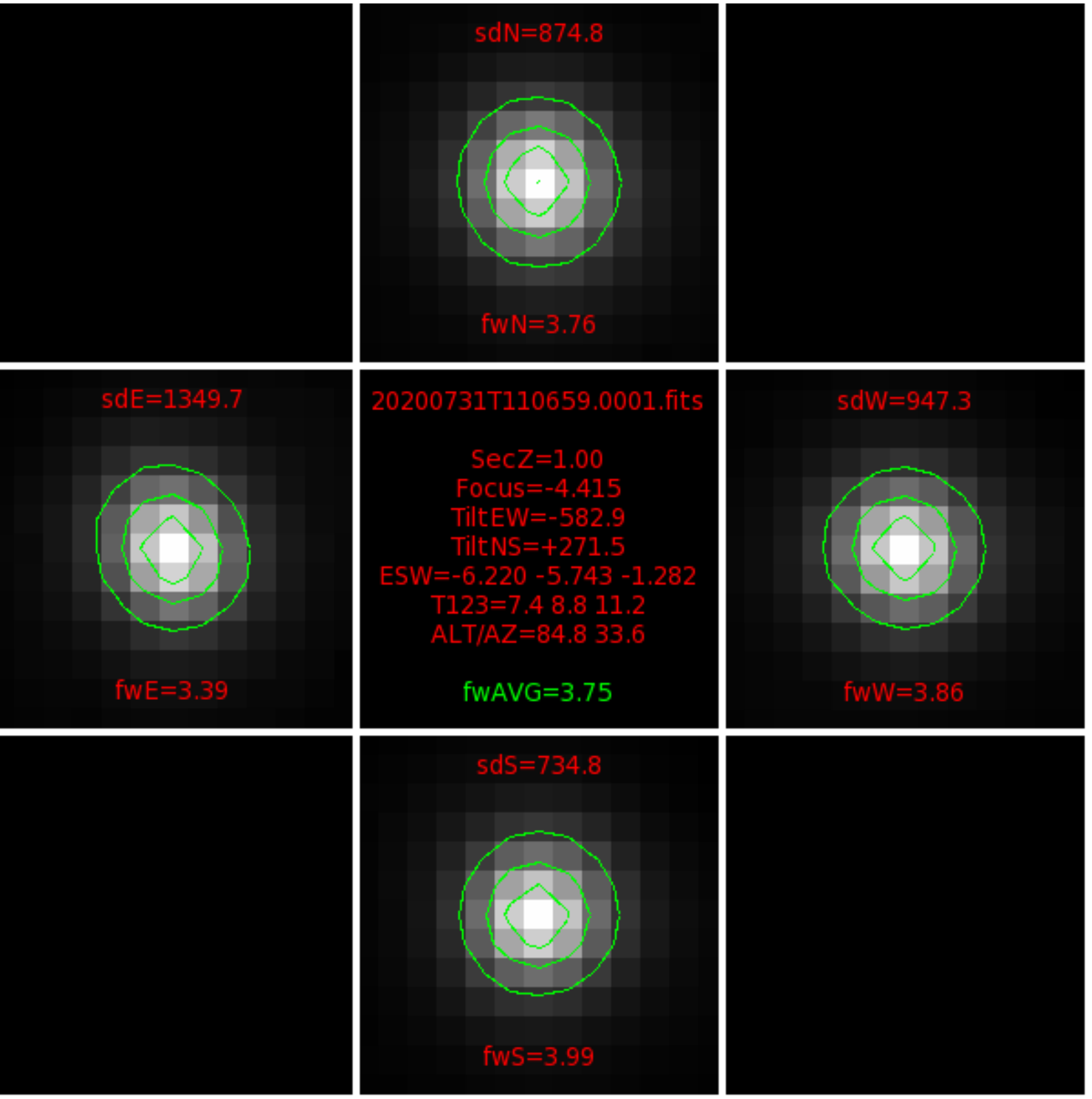
sdN=874.8
fwN=3.76
sdE=1349.7
fwE=3.39
20200731T110659.0001.fits
SecZ=1.00
Focus=-4.415
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.220 -5.743 -1.282
T123=7.4 8.8 11.2
ALT/AZ=84.8 33.6
fwAVG=3.75
sdW=947.3
fwW=3.86
sdS=734.8
fwS=3.99
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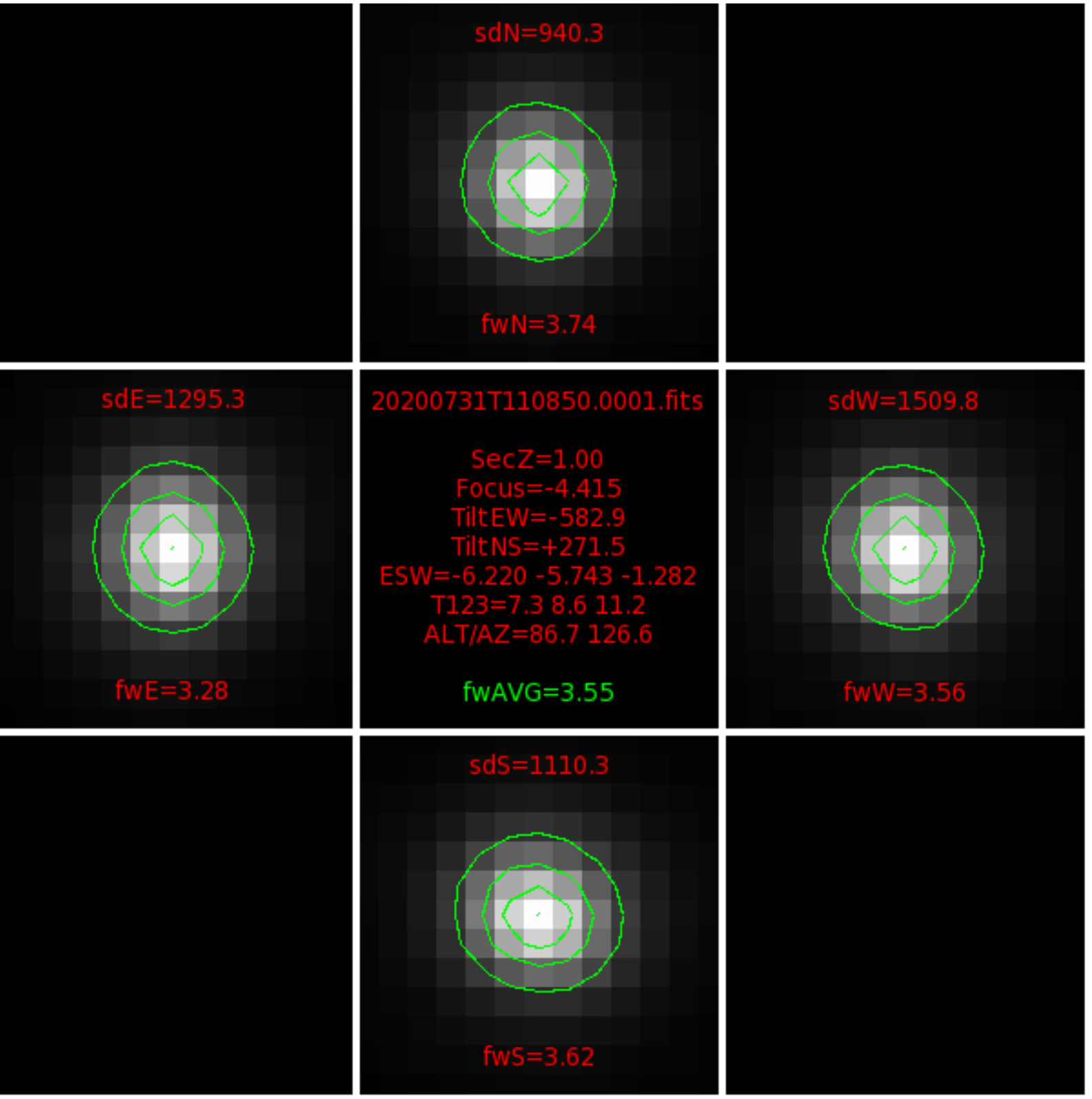
sdN=940.3
fwN=3.74
sdE=1295.3
fwE=3.28
20200731T110850.0001.fits
SecZ=1.00
Focus=-4.415
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.220 -5.743 -1.282
T123=7.3 8.6 11.2
ALT/AZ=86.7 126.6
fwAVG=3.55
sdW=1509.8
fwW=3.56
sdS=1110.3
fwS=3.62
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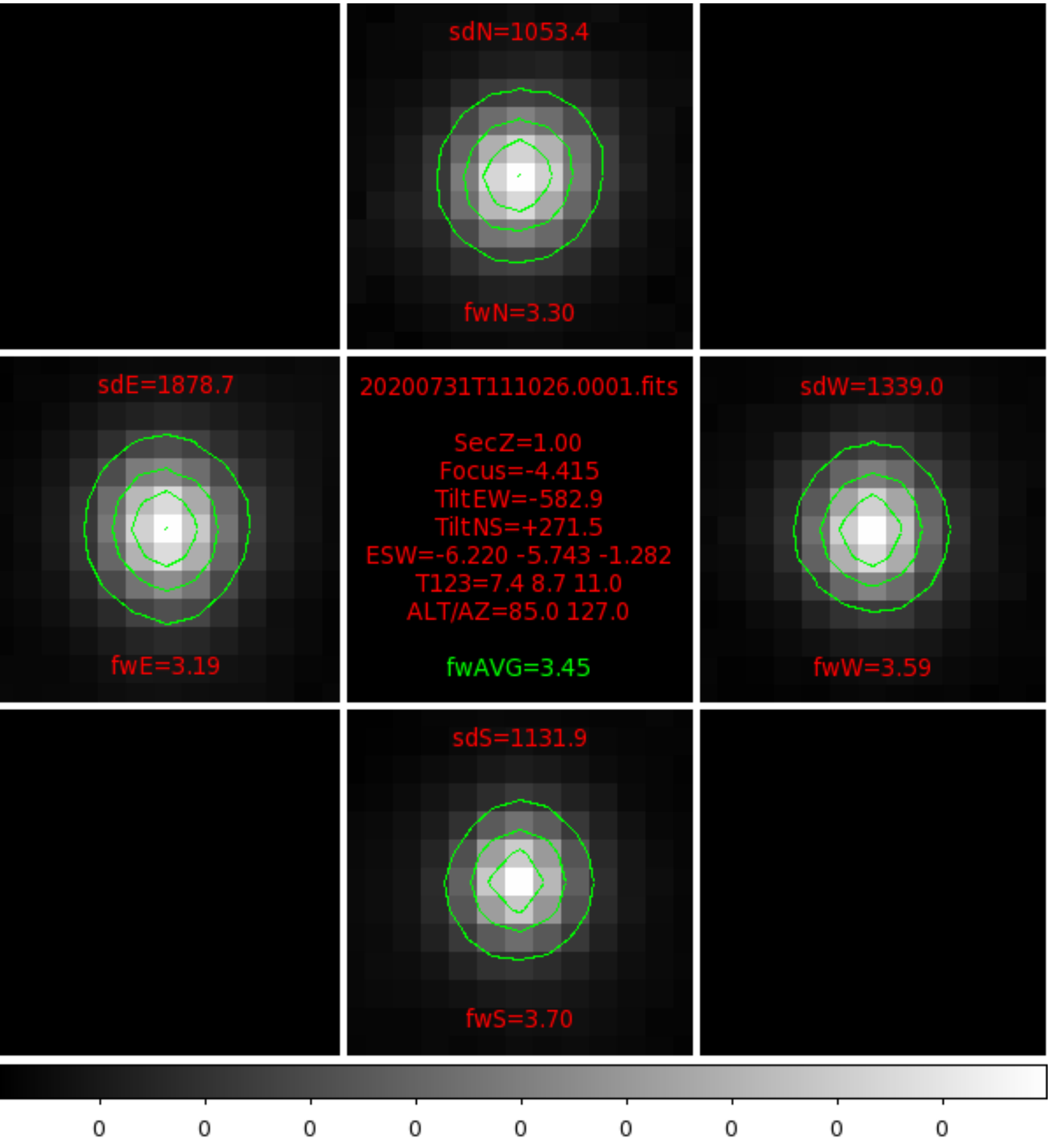
sdN=1053.4
fwN=3.30
sdE=1878.7
fwE=3.19
20200731T111026.0001.fits
SecZ=1.00
Focus=-4.415
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.220 -5.743 -1.282
T123=7.4 8.7 11.0
ALT/AZ=85.0 127.0
fwAVG=3.45
sdW=1339.0
fwW=3.59
sdS=1131.9
fwS=3.70
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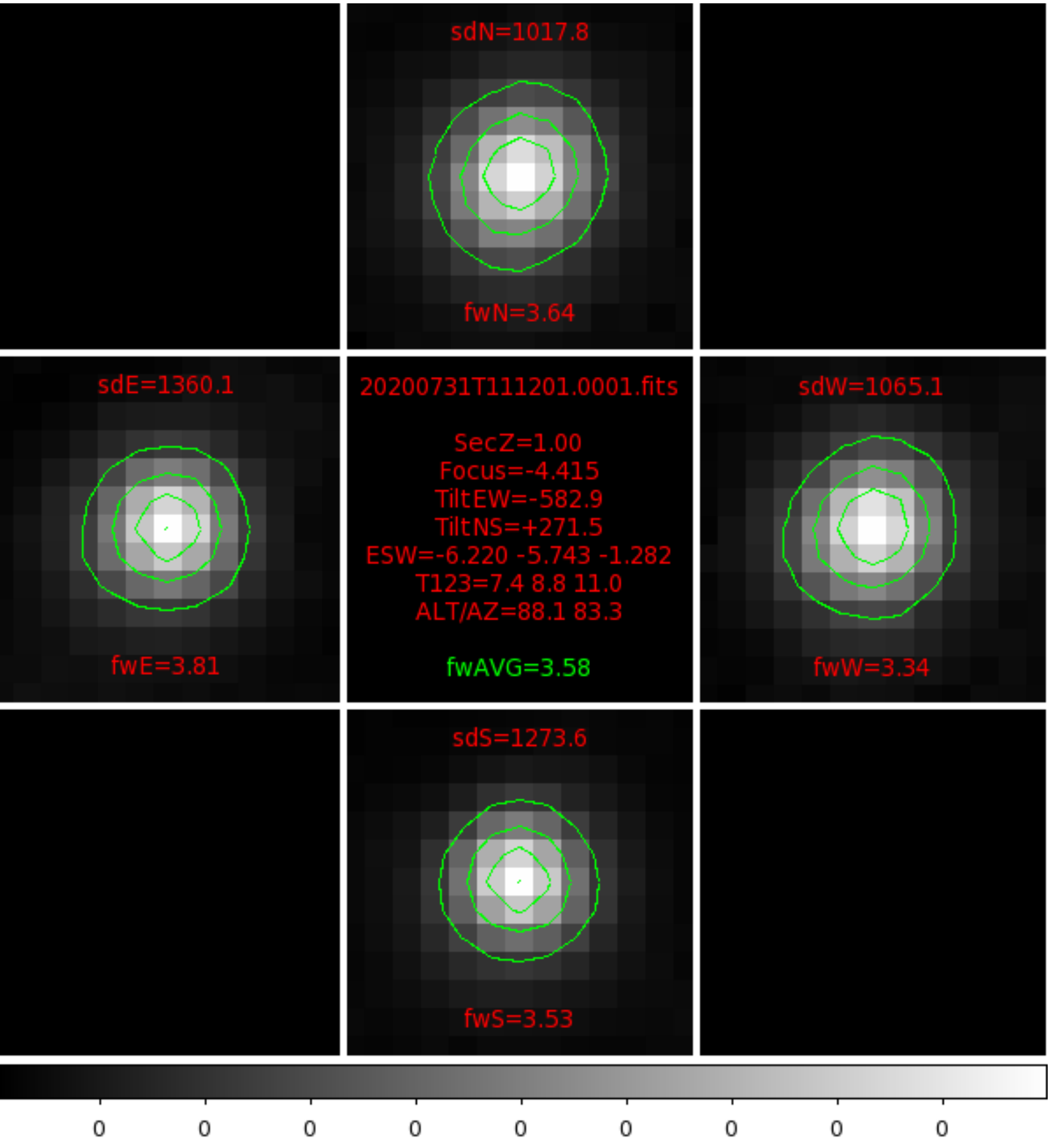
sdN=1017.8
fwN=3.64
sdE=1360.1
fwE=3.81
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SecZ=1.00
Focus=-4.415
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.220 -5.743 -1.282
T123=7.4 8.8 11.0
ALT/AZ=88.1 83.3
fwAVG=3.58
sdW=1065.1
fwW=3.34
sdS=1273.6
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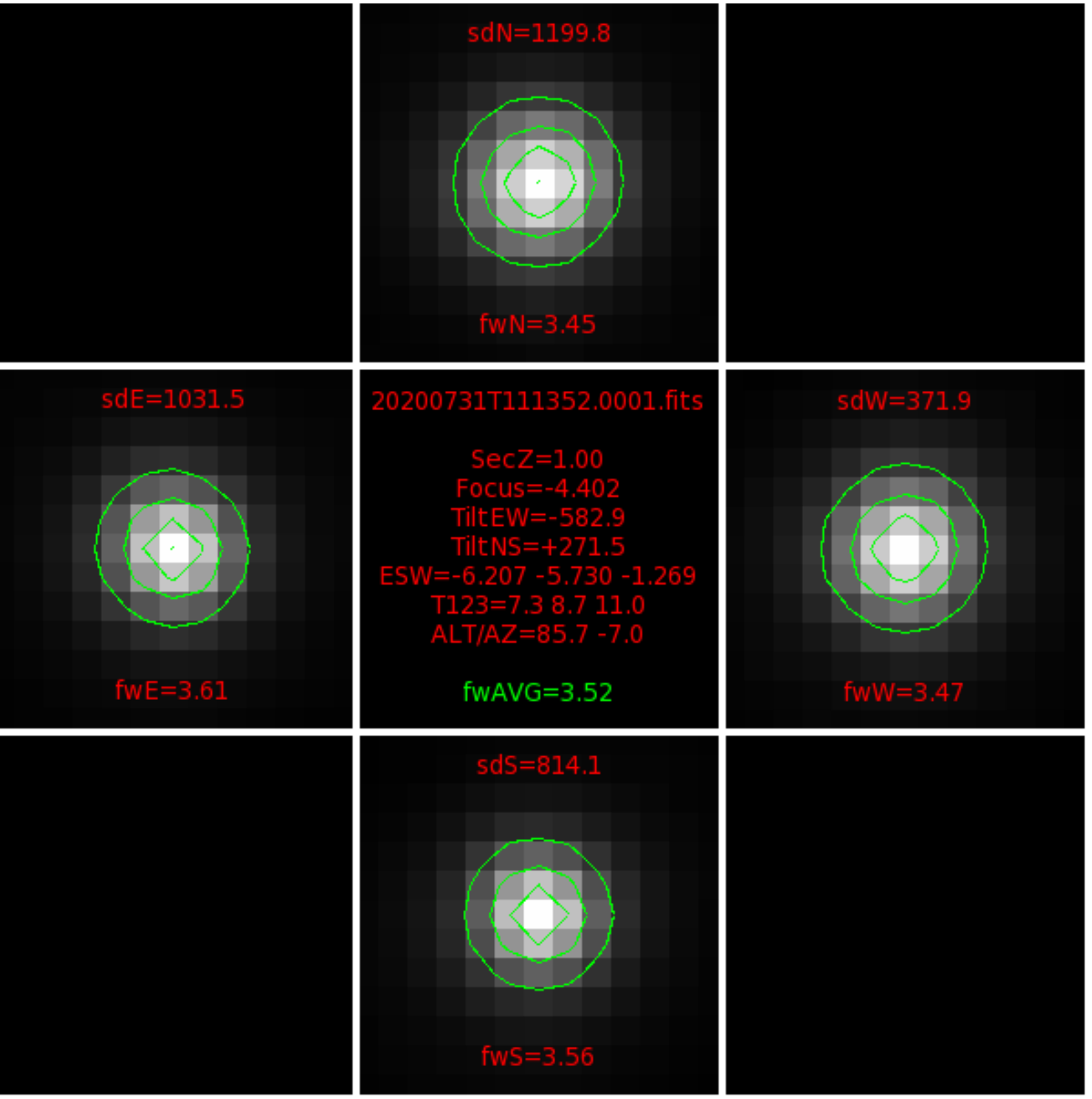
sdN=1199.8
fwN=3.45
sdE=1031.5
fwE=3.61
20200731T111352.0001.fits
SecZ=1.00
Focus=-4.402
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.207 -5.730 -1.269
T123=7.3 8.7 11.0
ALT/AZ=85.7 -7.0
fwAVG=3.52
sdW=371.9
fwW=3.47
sdS=814.1
fwS=3.56
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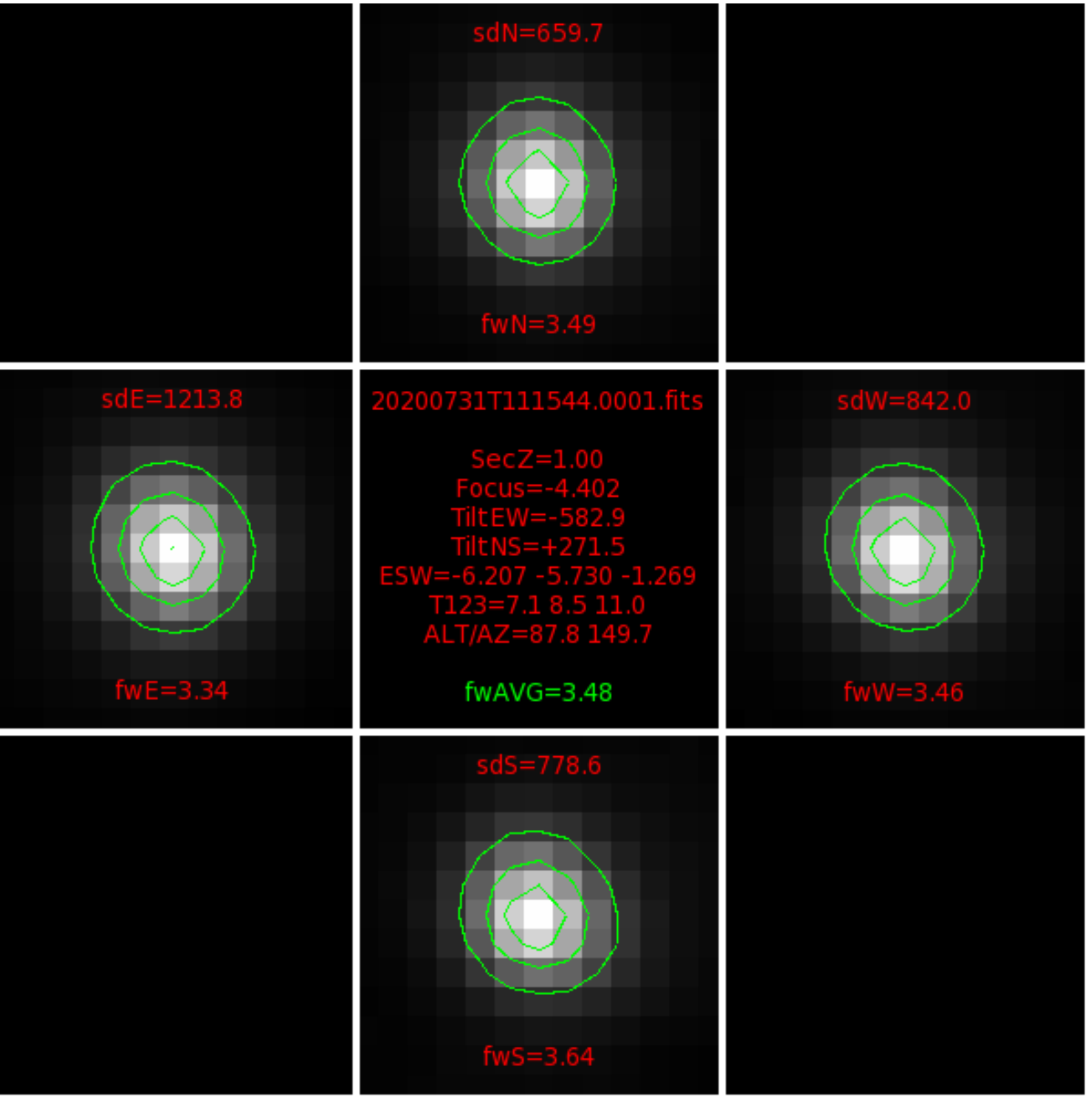
sdN=659.7
fwN=3.49
sdE=1213.8
fwE=3.34
20200731T111544.0001.fits
SecZ=1.00
Focus=-4.402
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.207 -5.730 -1.269
T123=7.1 8.5 11.0
ALT/AZ=87.8 149.7
fwAVG=3.48
sdW=842.0
fwW=3.46
sdS=778.6
fwS=3.64
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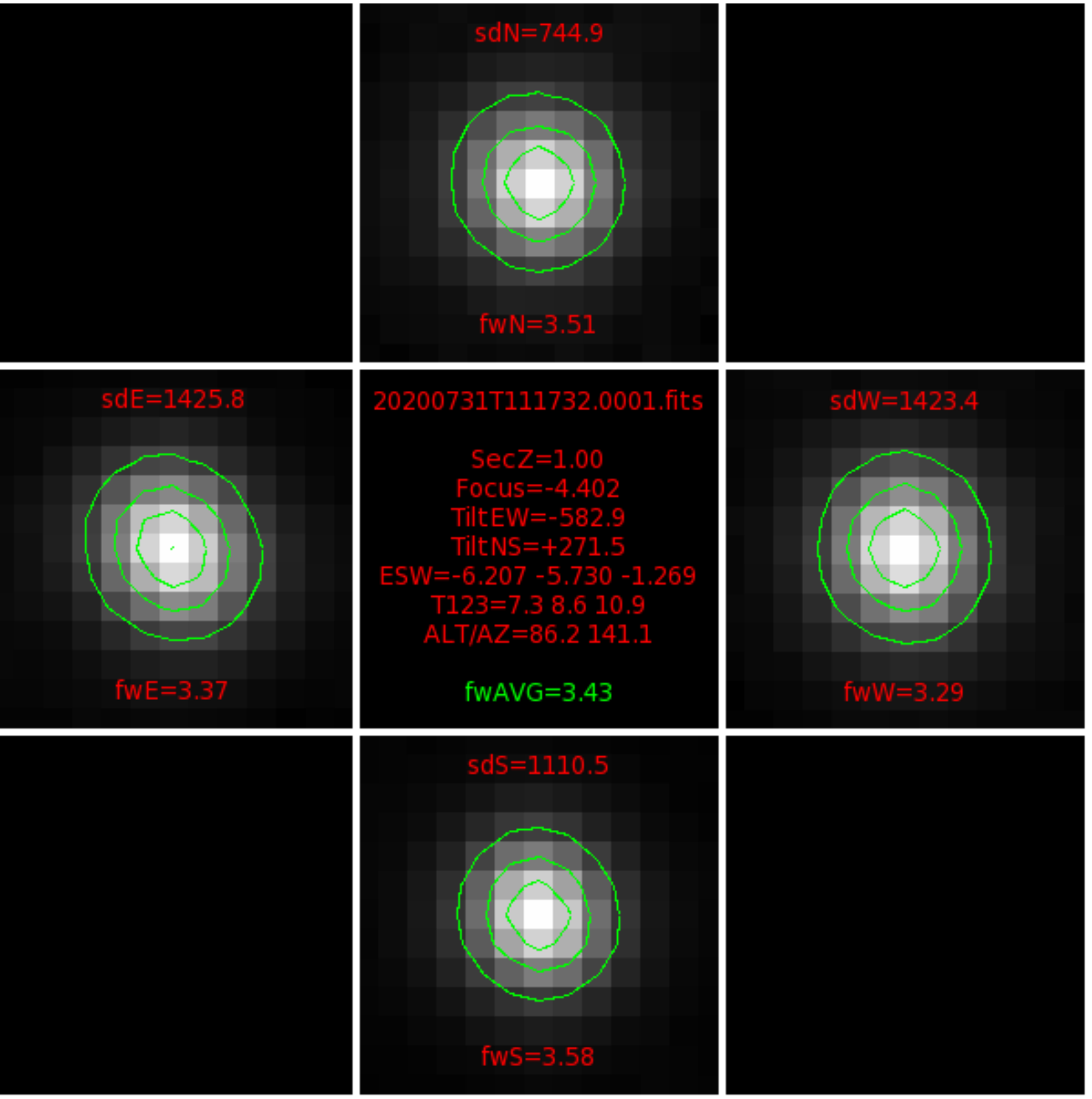
sdN=744.9
fwN=3.51
sdE=1425.8
fwE=3.37
20200731T111732.0001.fits
SecZ=1.00
Focus=-4.402
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.207 -5.730 -1.269
T123=7.3 8.6 10.9
ALT/AZ=86.2 141.1
fwAVG=3.43
sdW=1423.4
fwW=3.29
sdS=1110.5
fwS=3.58
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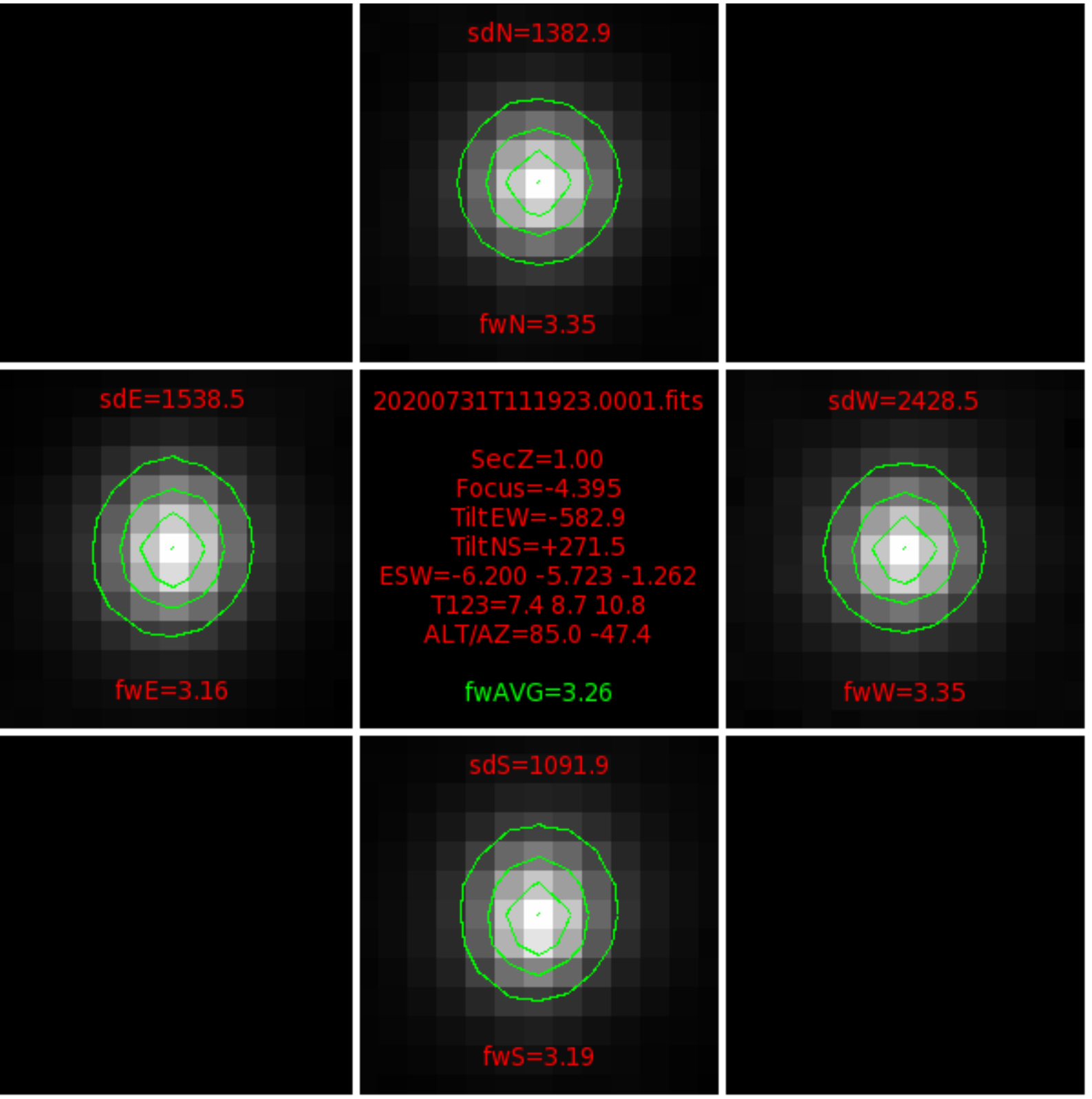
sdN=1382.9
fwN=3.35
sdE=1538.5
fwE=3.16
20200731T111923.0001.fits
SecZ=1.00
Focus=-4.395
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.200 -5.723 -1.262
T123=7.4 8.7 10.8
ALT/AZ=85.0 -47.4
fwAVG=3.26
sdW=2428.5
fwW=3.35
sdS=1091.9
fwS=3.19
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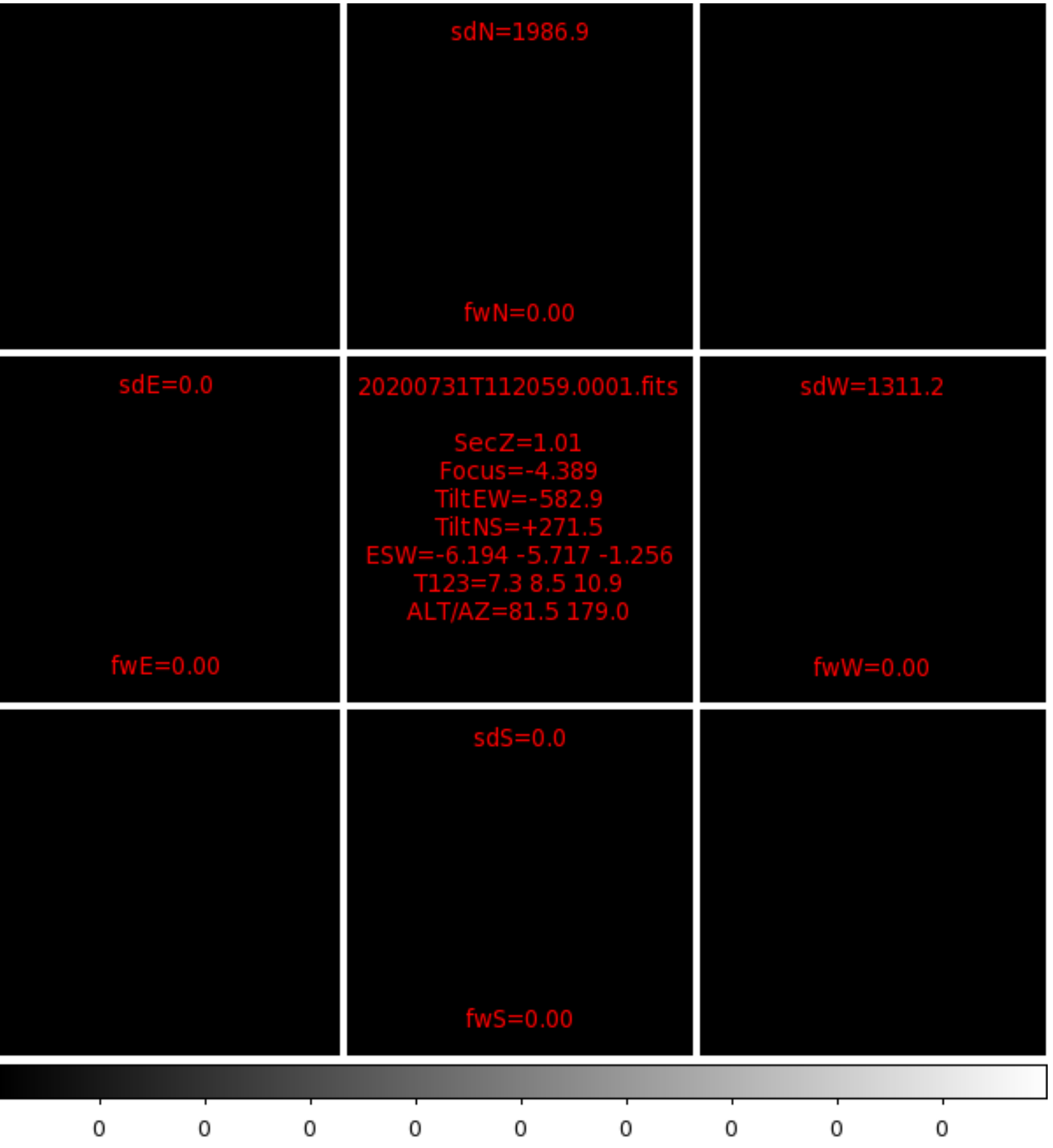
sdN=1986.9
fwN=0.00
sdE=0.0
20200731T112059.0001.fits
SecZ=1.01
Focus=-4.389
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.194 -5.717 -1.256
T123=7.3 8.5 10.9
ALT/AZ=81.5 179.0
sdW=1311.2
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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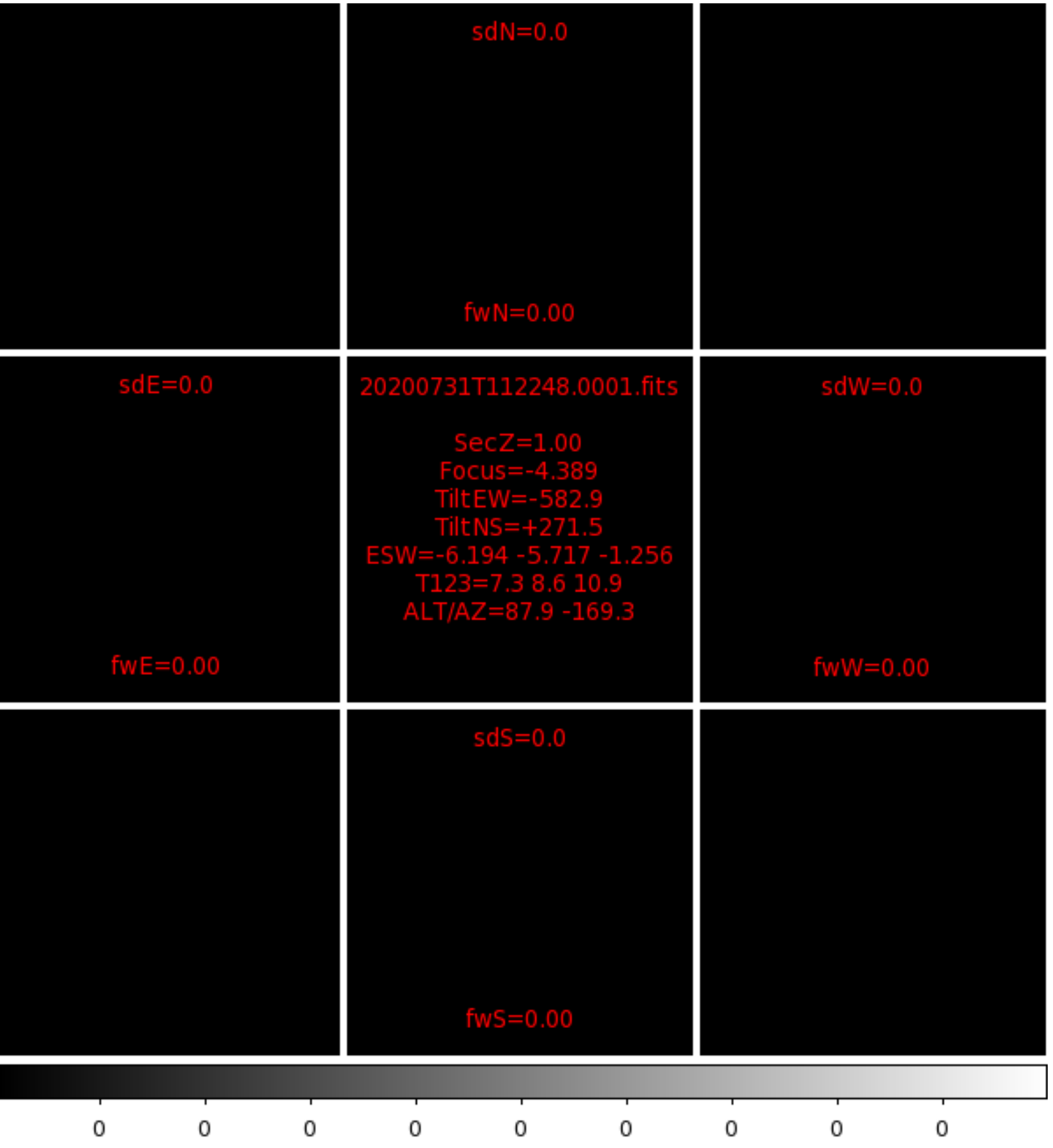
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fwN=0.00
sdE=0.0
20200731T112248.0001.fits
SecZ=1.00
Focus=-4.389
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.194 -5.717 -1.256
T123=7.3 8.6 10.9
ALT/AZ=87.9 -169.3
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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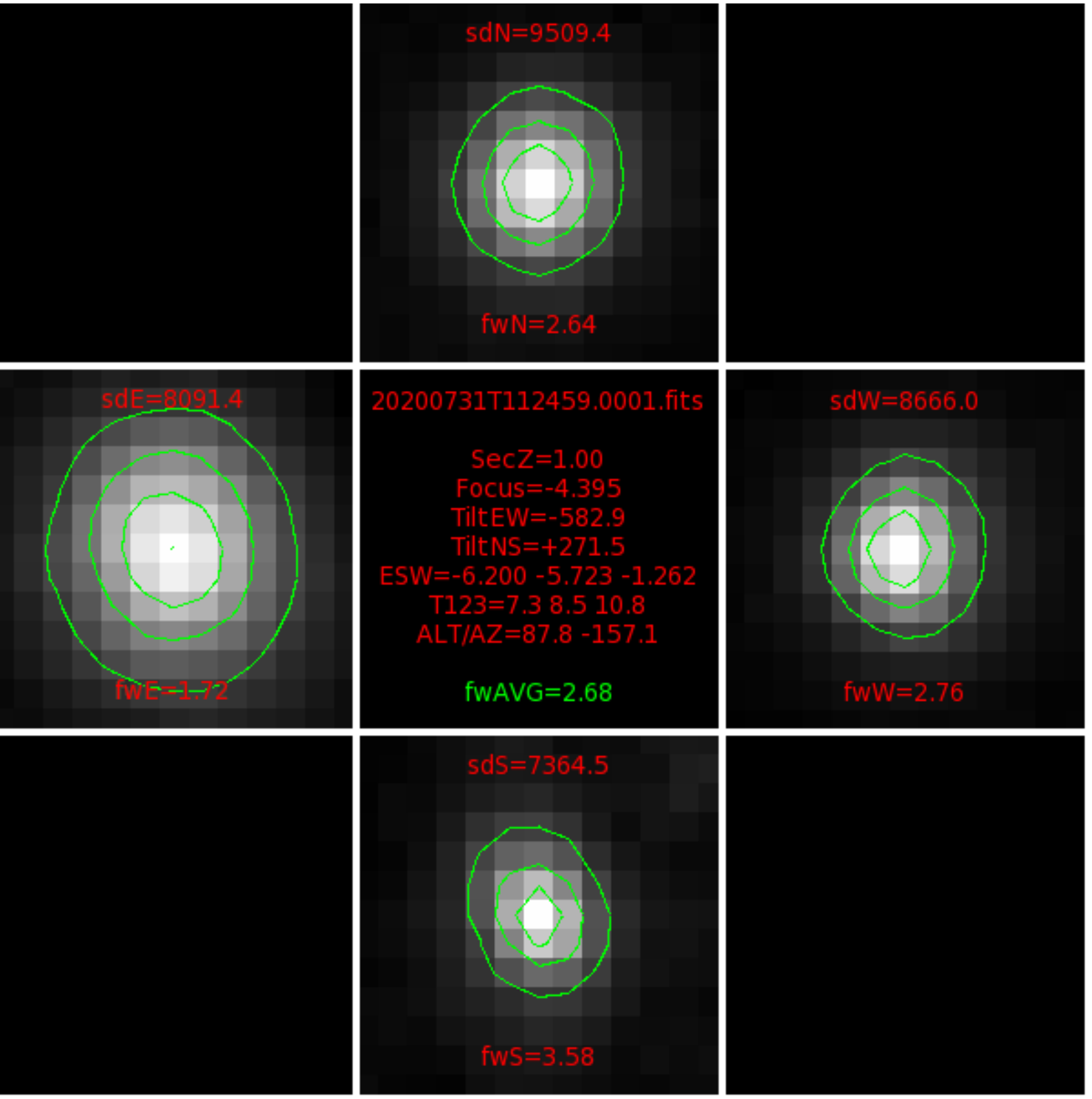
sdN=9509.4
fwN=2.64
sdE=8091.4
fwE=1.72
20200731T112459.0001.fits
SecZ=1.00
Focus=-4.395
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.200 -5.723 -1.262
T123=7.3 8.5 10.8
ALT/AZ=87.8 -157.1
fwAVG=2.68
sdW=8666.0
fwW=2.76
sdS=7364.5
fwS=3.58
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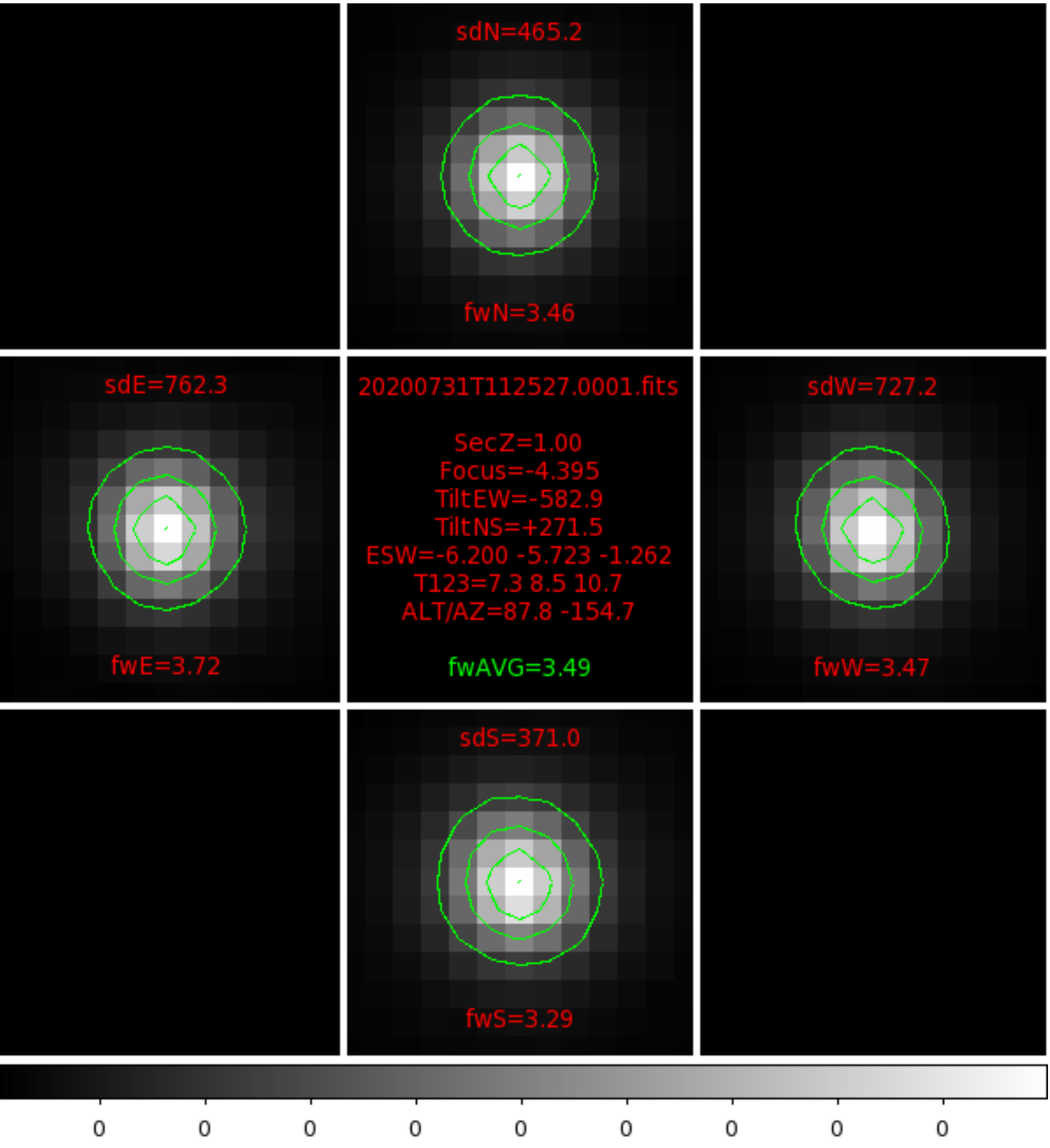
sdN=465.2
fwN=3.46
sdE=762.3
fwE=3.72
20200731T112527.0001.fits
SecZ=1.00
Focus=-4.395
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.200 -5.723 -1.262
T123=7.3 8.5 10.7
ALT/AZ=87.8 -154.7
fwAVG=3.49
sdW=727.2
fwW=3.47
sdS=371.0
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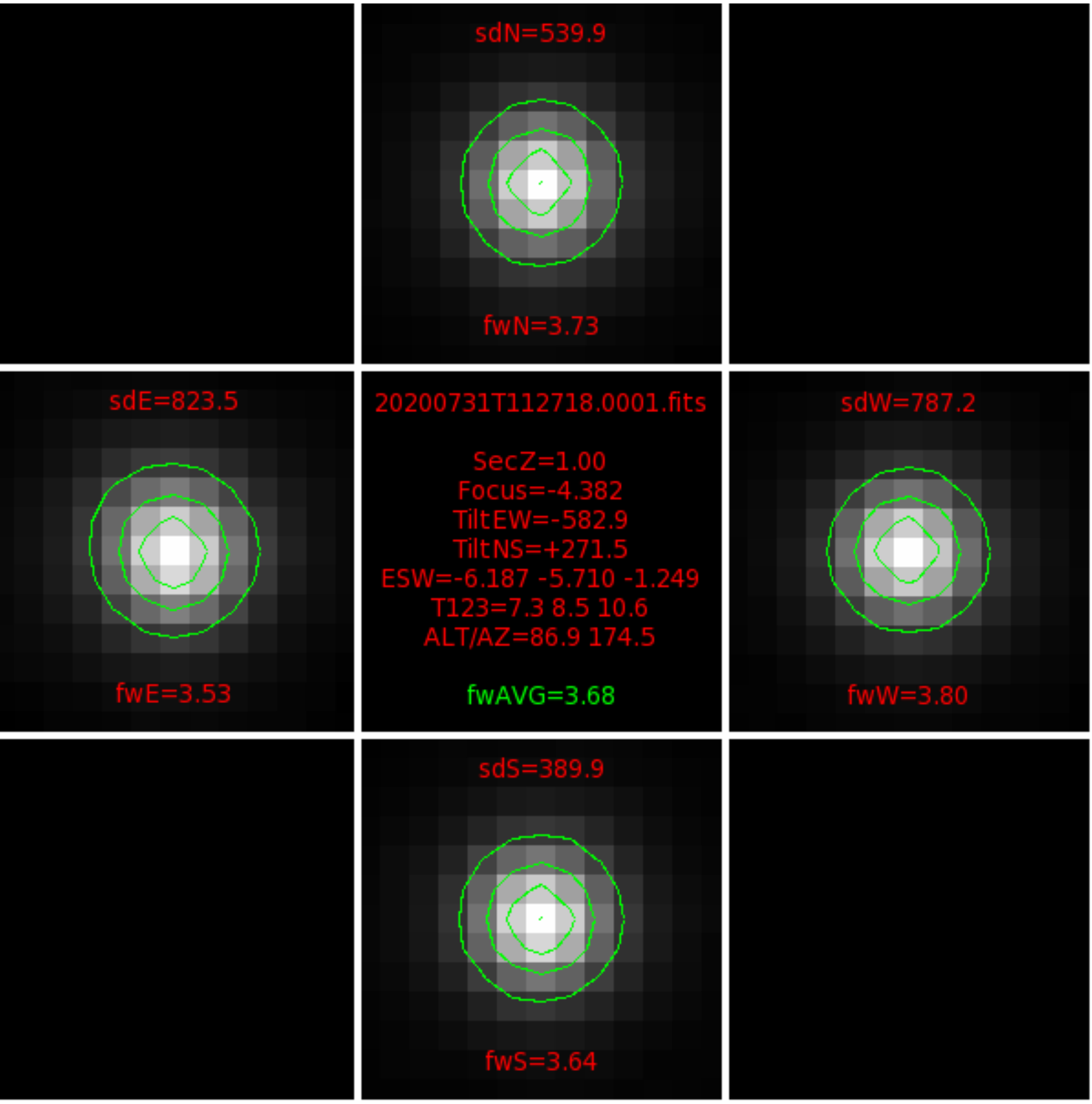
sdN=539.9
fwN=3.73
sdE=823.5
fwE=3.53
20200731T112718.0001.fits
SecZ=1.00
Focus=-4.382
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.187 -5.710 -1.249
T123=7.3 8.5 10.6
ALT/AZ=86.9 174.5
fwAVG=3.68
sdW=787.2
fwW=3.80
sdS=389.9
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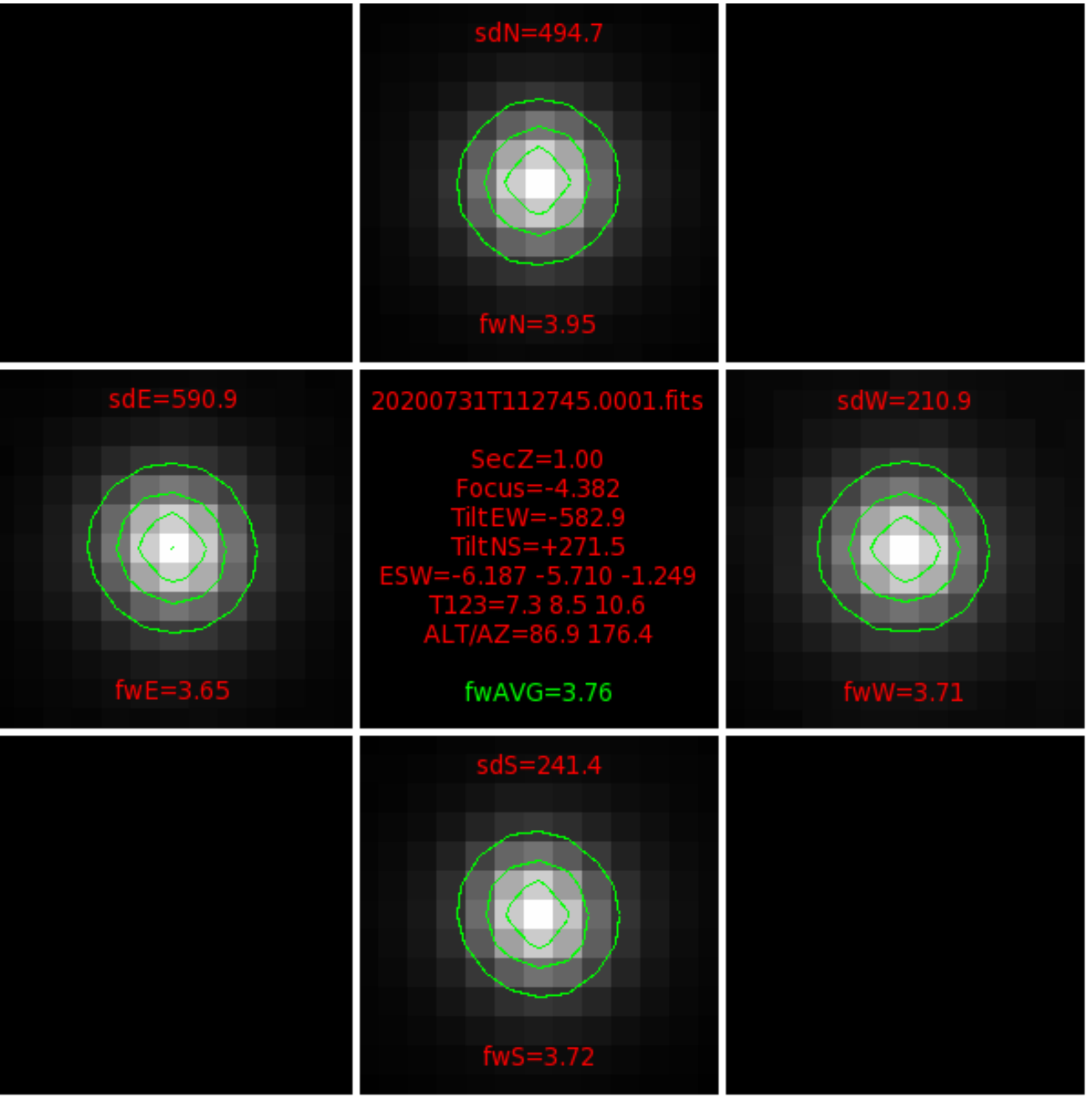
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fwN=3.95
sdE=590.9
fwE=3.65
20200731T112745.0001.fits
SecZ=1.00
Focus=-4.382
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.187 -5.710 -1.249
T123=7.3 8.5 10.6
ALT/AZ=86.9 176.4
fwAVG=3.76
sdW=210.9
fwW=3.71
sdS=241.4
fwS=3.72
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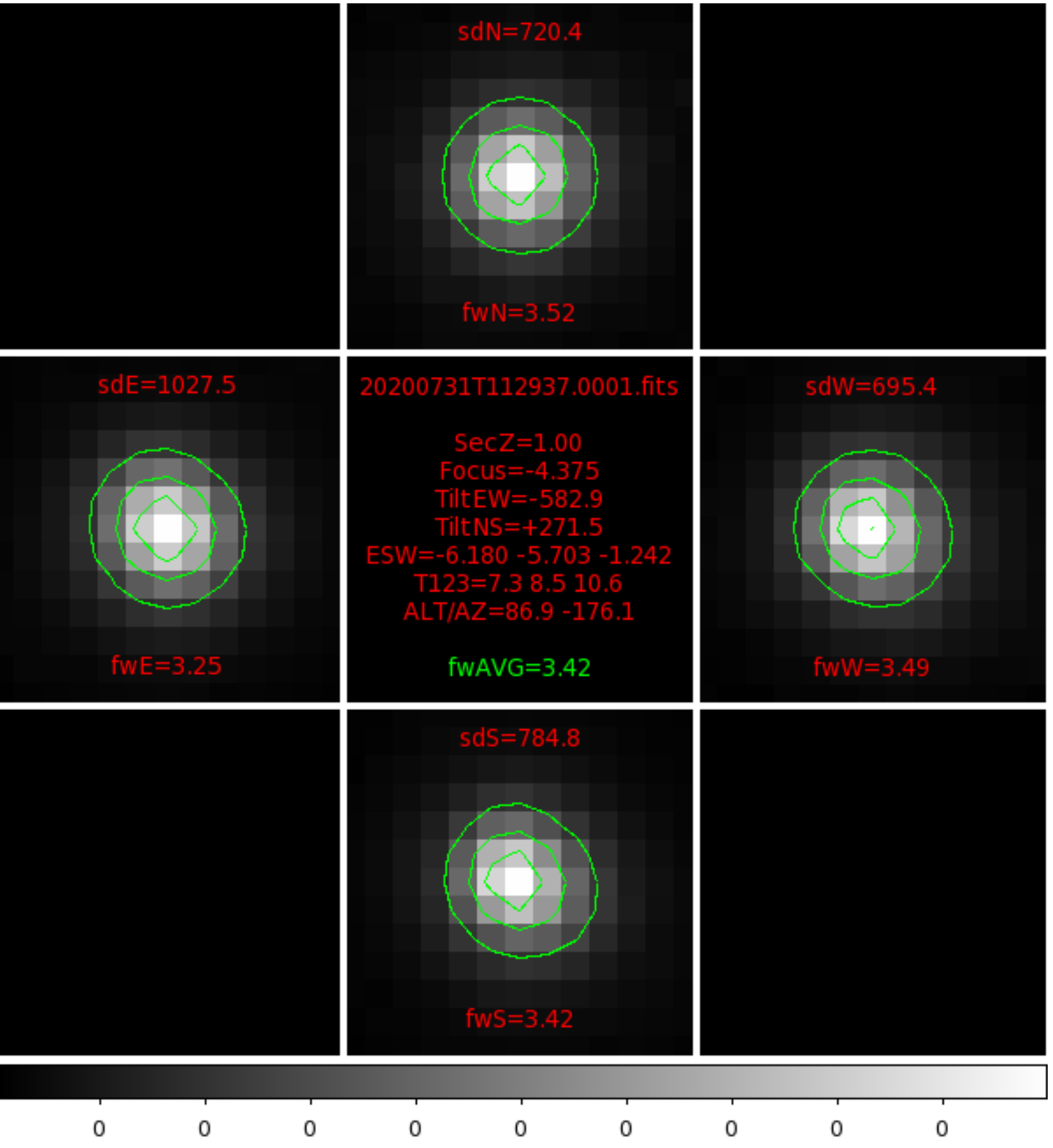
sdN=720.4
fwN=3.52
sdE=1027.5
fwE=3.25
20200731T112937.0001.fits
SecZ=1.00
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=7.3 8.5 10.6
ALT/AZ=86.9 -176.1
fwAVG=3.42
sdW=695.4
fwW=3.49
sdS=784.8
fwS=3.42
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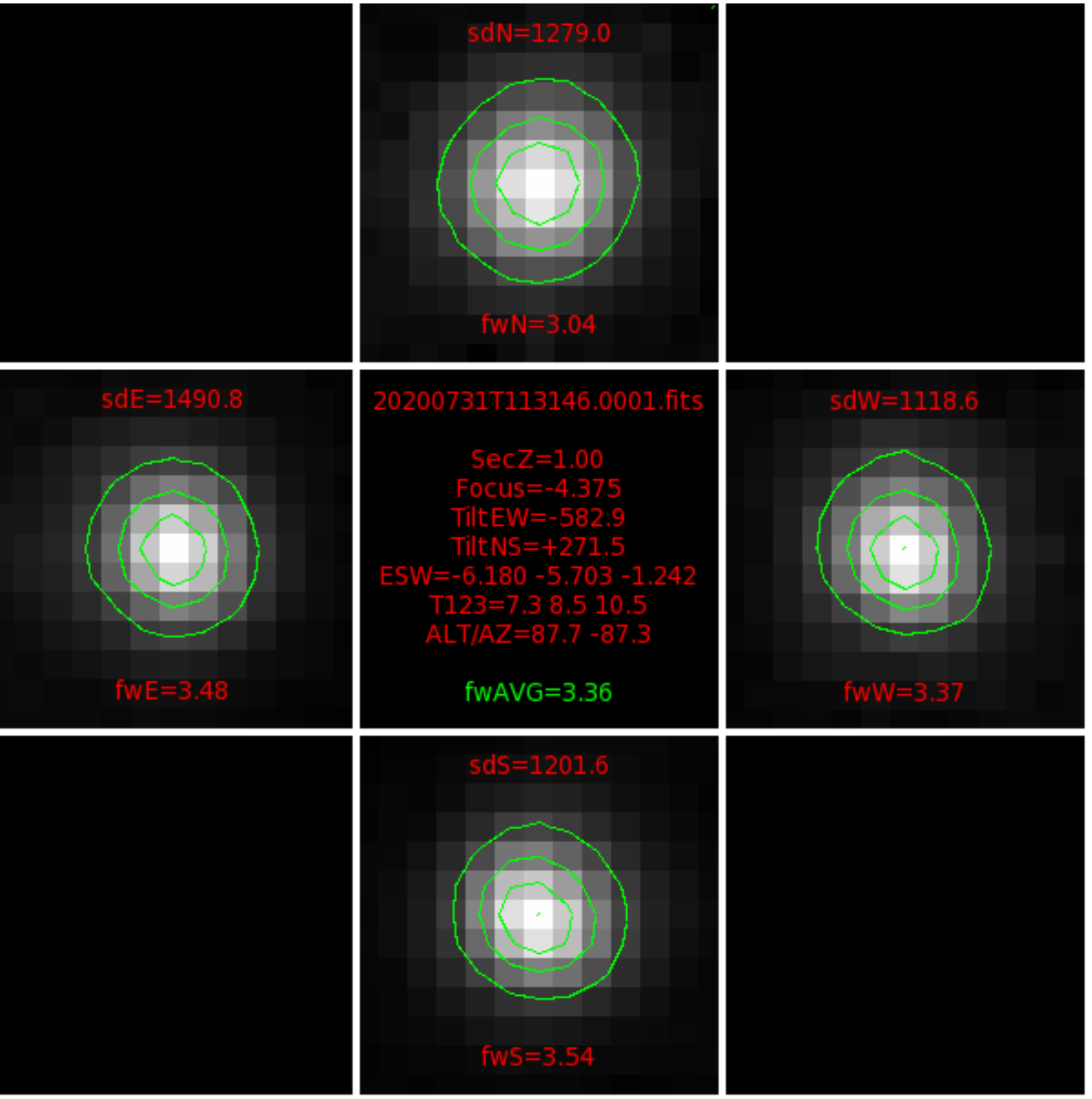
sdN=1279.0
fwN=3.04
sdE=1490.8
fwE=3.48
20200731T113146.0001.fits
SecZ=1.00
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=7.3 8.5 10.5
ALT/AZ=87.7 -87.3
fwAVG=3.36
sdW=1118.6
fwW=3.37
sdS=1201.6
fwS=3.54
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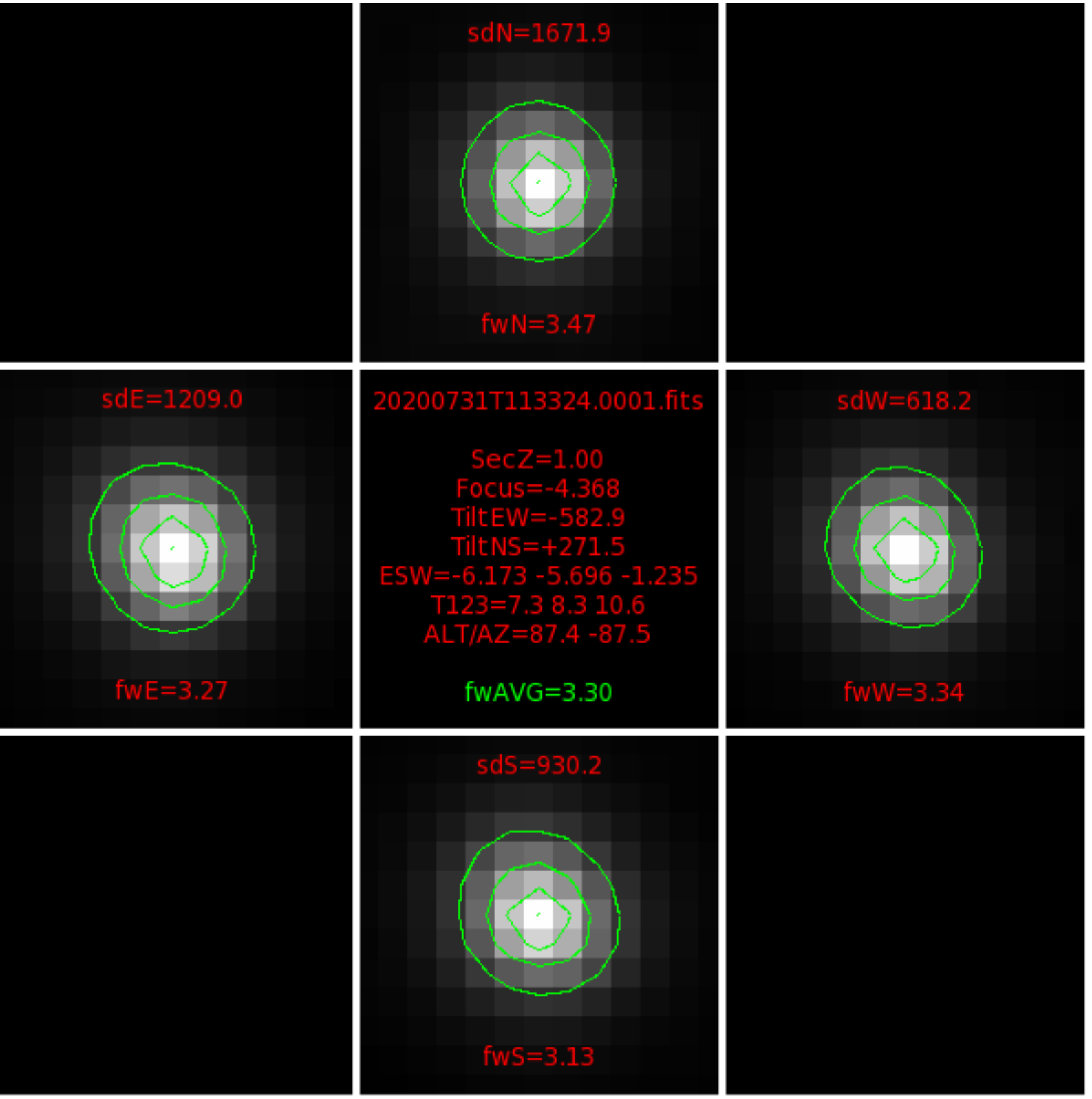
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fwN=3.47
sdE=1209.0
fwE=3.27
20200731T113324.0001.fits
SecZ=1.00
Focus=-4.368
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.173 -5.696 -1.235
T123=7.3 8.3 10.6
ALT/AZ=87.4 -87.5
fwAVG=3.30
sdW=618.2
fwW=3.34
sdS=930.2
fwS=3.13
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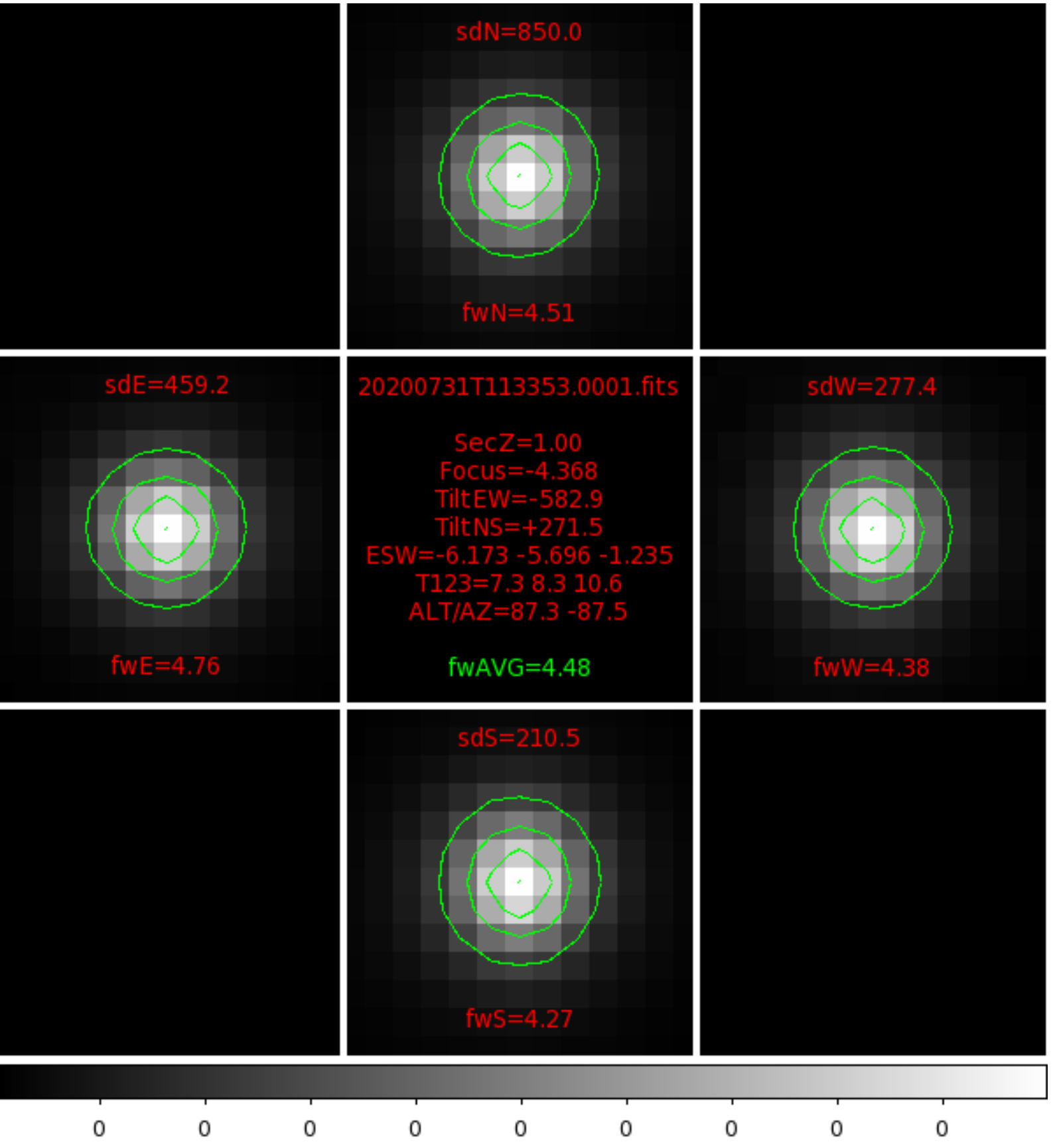
sdN=850.0
fwN=4.51
sdE=459.2
fwE=4.76
20200731T113353.0001.fits
SecZ=1.00
Focus=-4.368
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.173 -5.696 -1.235
T123=7.3 8.3 10.6
ALT/AZ=87.3 -87.5
fwAVG=4.48
sdW=277.4
fwW=4.38
sdS=210.5
fwS=4.27
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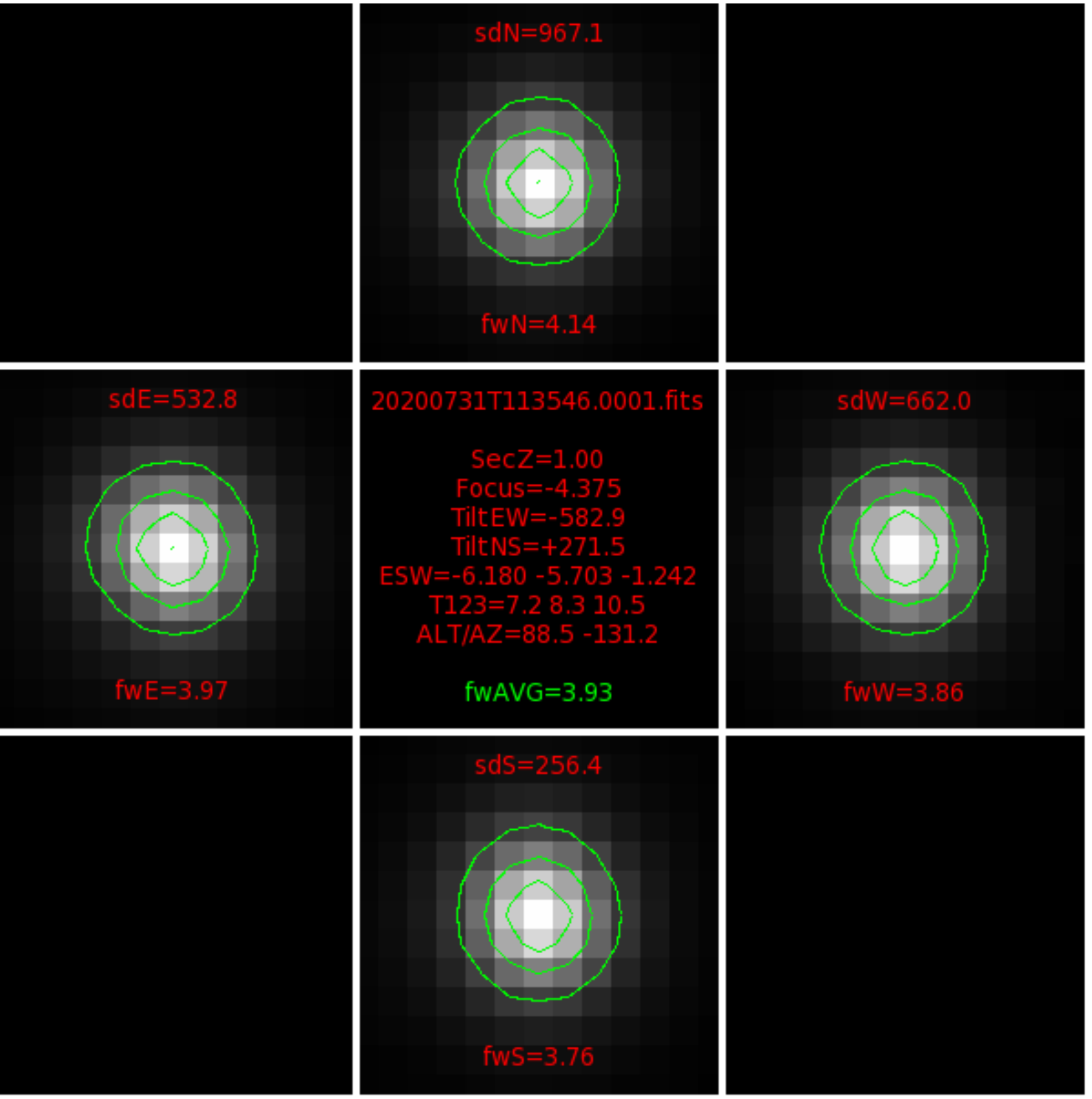
sdN=967.1
fwN=4.14
sdE=532.8
fwE=3.97
20200731T113546.0001.fits
SecZ=1.00
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=7.2 8.3 10.5
ALT/AZ=88.5 -131.2
fwAVG=3.93
sdW=662.0
fwW=3.86
sdS=256.4
fwS=3.76
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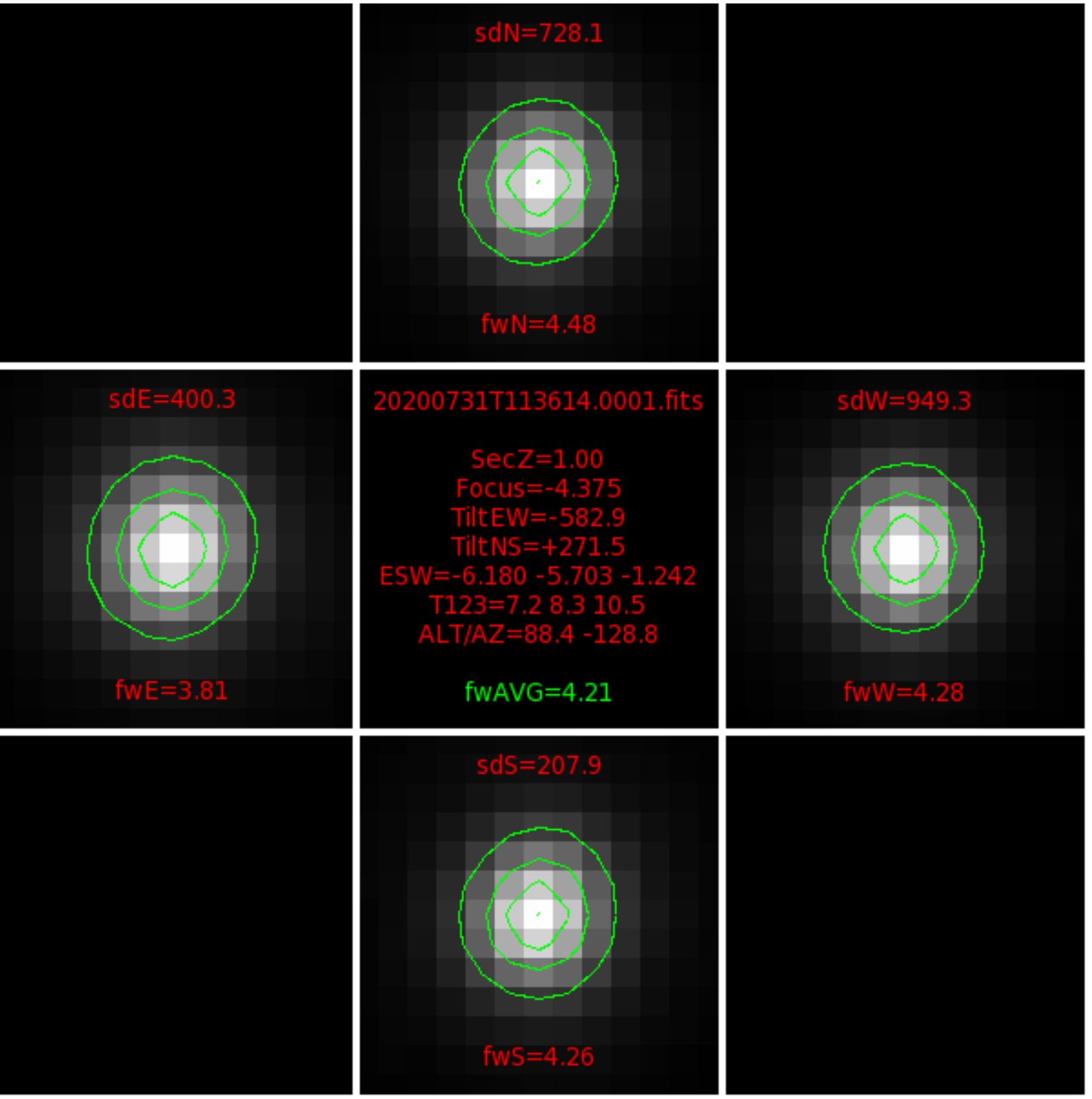
sdN=728.1
fwN=4.48
sdE=400.3
fwE=3.81
20200731T113614.0001.fits
SecZ=1.00
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=7.2 8.3 10.5
ALT/AZ=88.4 -128.8
fwAVG=4.21
sdW=949.3
fwW=4.28
sdS=207.9
fwS=4.26
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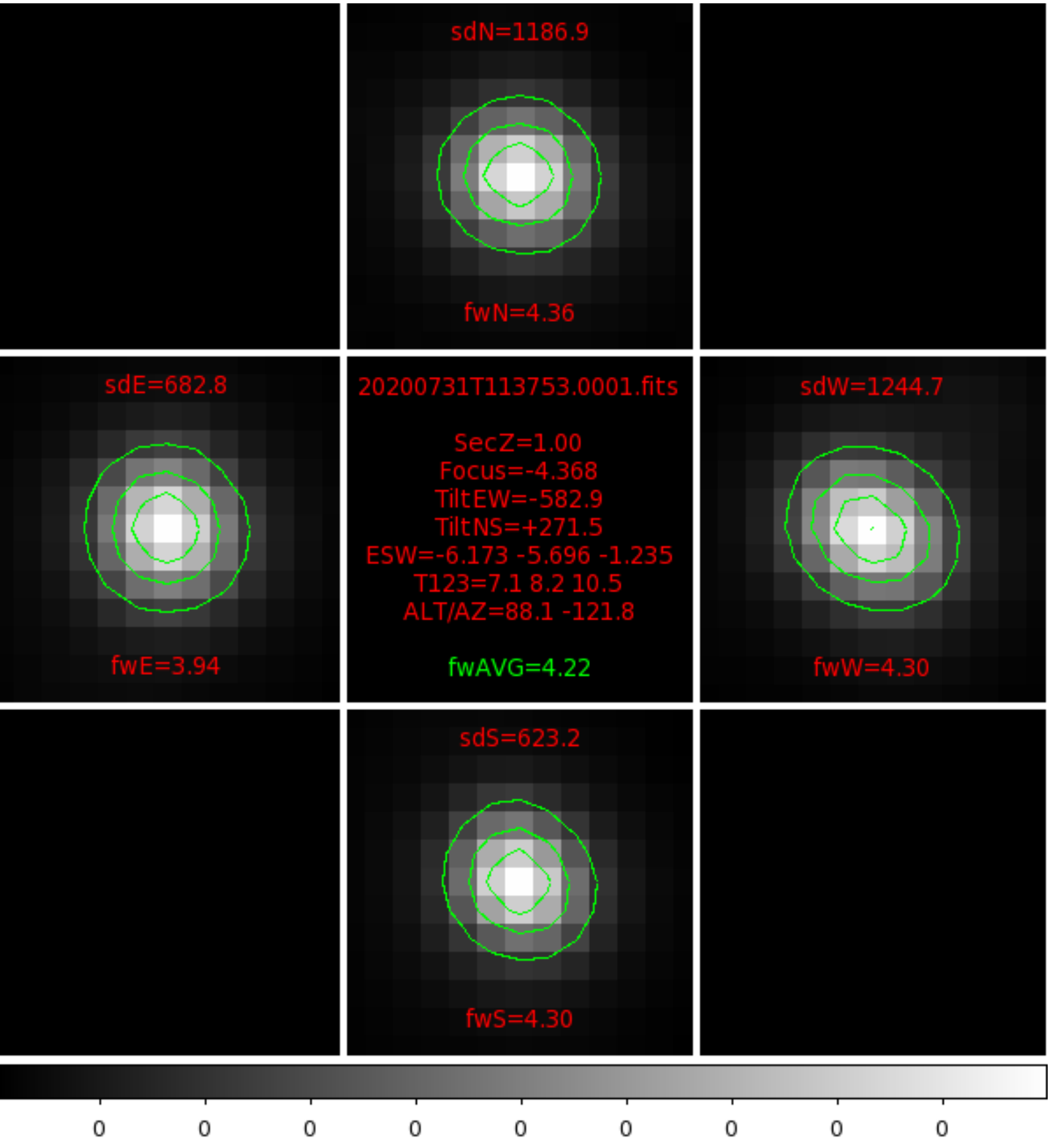
sdN=1186.9
fwN=4.36
sdE=682.8
fwE=3.94
20200731T113753.0001.fits
SecZ=1.00
Focus=-4.368
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.173 -5.696 -1.235
T123=7.1 8.2 10.5
ALT/AZ=88.1 -121.8
fwAVG=4.22
sdW=1244.7
fwW=4.30
sdS=623.2
fwS=4.30
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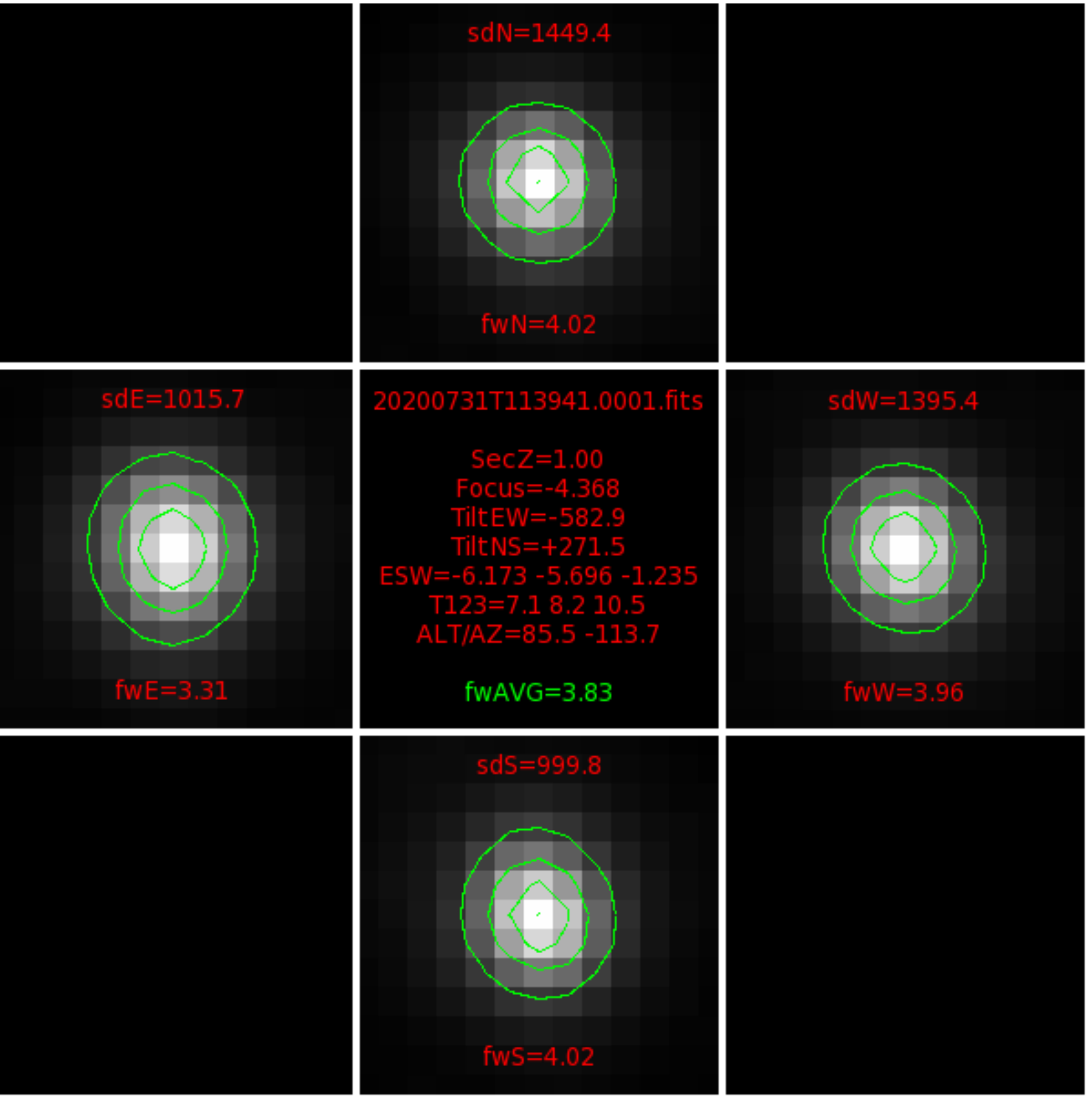
sdN=1449.4
fwN=4.02
sdE=1015.7
fwE=3.31
20200731T113941.0001.fits
SecZ=1.00
Focus=-4.368
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.173 -5.696 -1.235
T123=7.1 8.2 10.5
ALT/AZ=85.5 -113.7
fwAVG=3.83
sdW=1395.4
fwW=3.96
sdS=999.8
fwS=4.02
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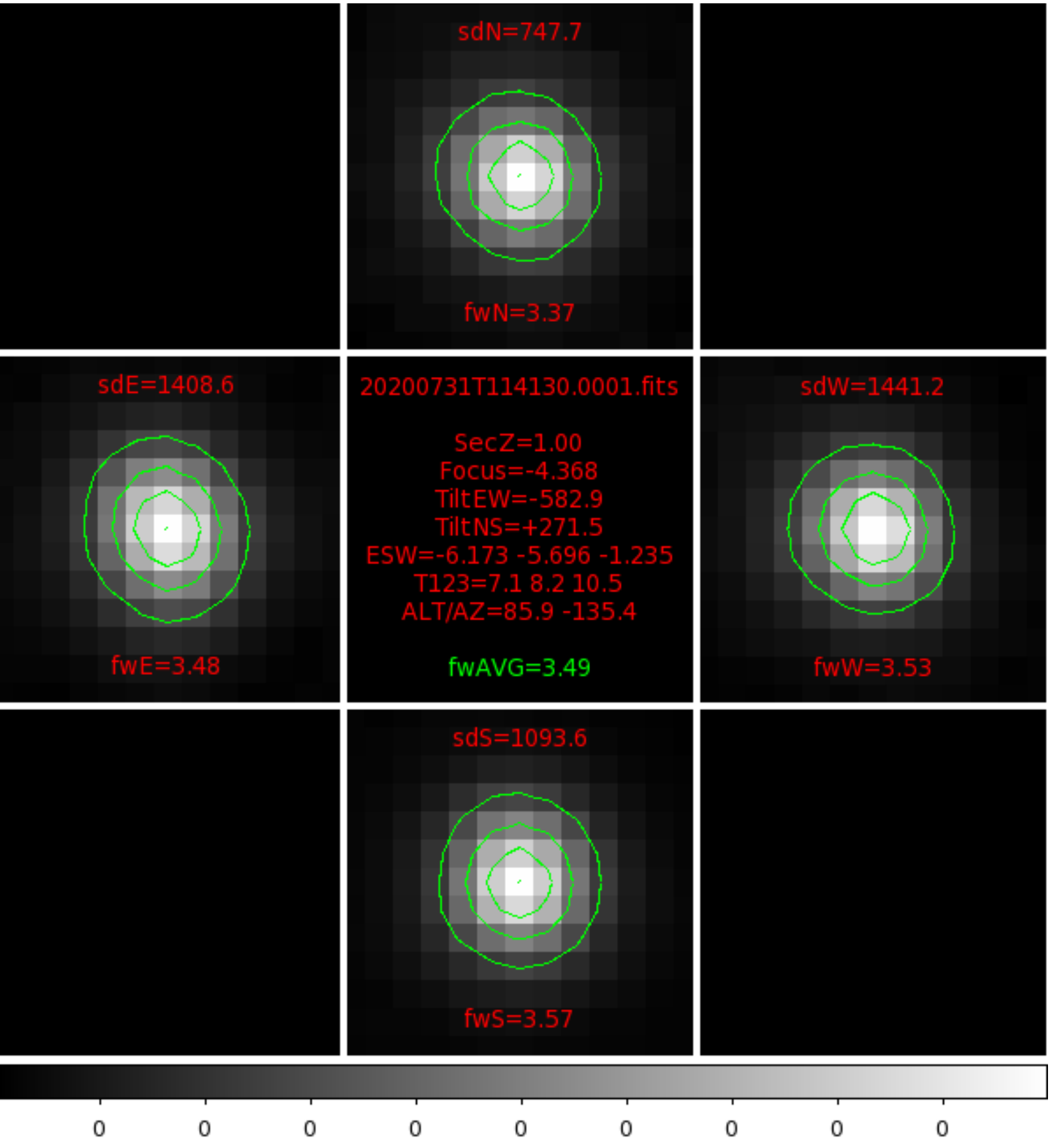
sdN=747.7
fwN=3.37
sdE=1408.6
fwE=3.48
20200731T114130.0001.fits
SecZ=1.00
Focus=-4.368
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.173 -5.696 -1.235
T123=7.1 8.2 10.5
ALT/AZ=85.9 -135.4
fwAVG=3.49
sdW=1441.2
fwW=3.53
sdS=1093.6
fwS=3.57
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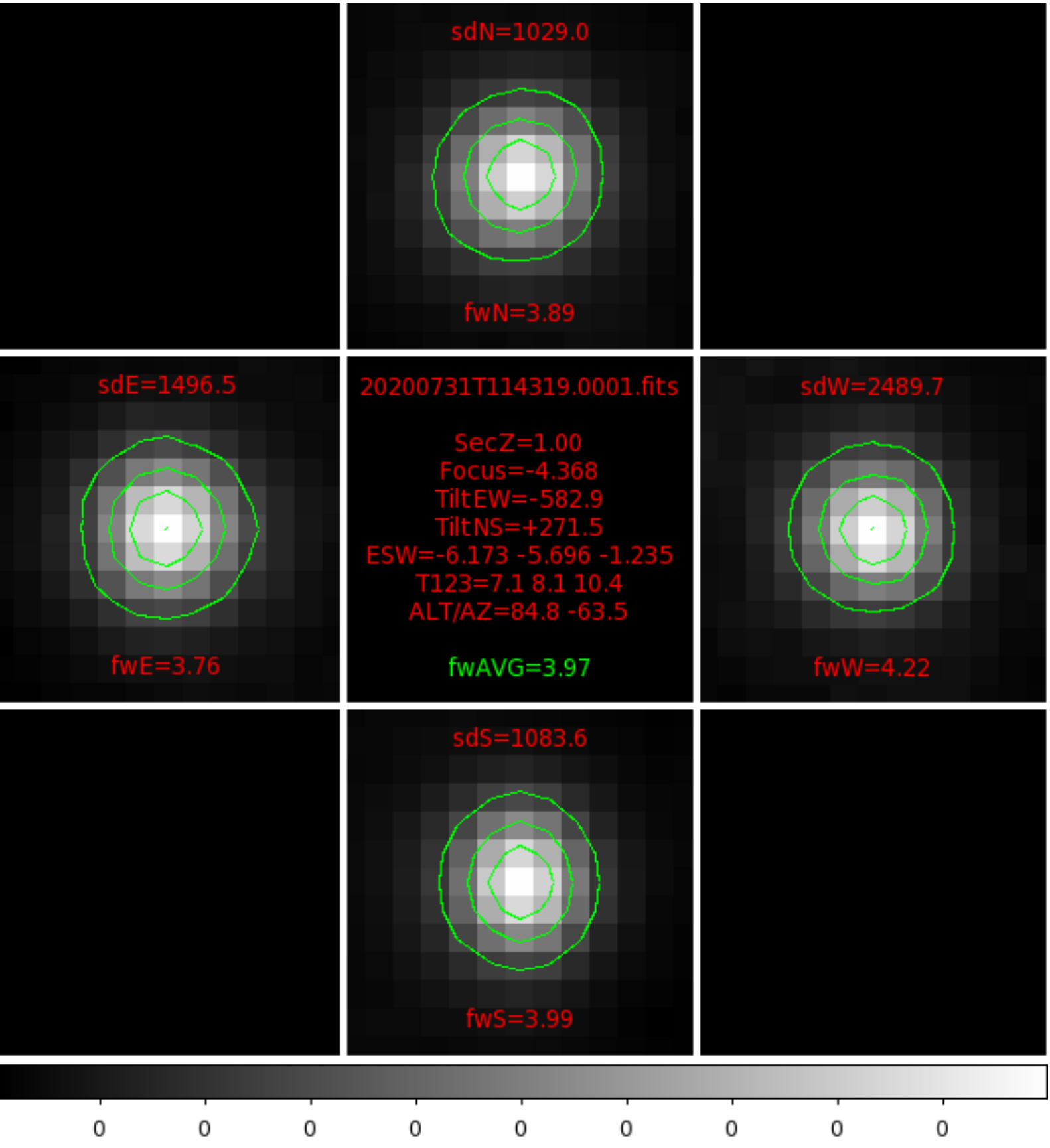
sdN=1029.0
fwN=3.89
sdE=1496.5
fwE=3.76
20200731T114319.0001.fits
SecZ=1.00
Focus=-4.368
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.173 -5.696 -1.235
T123=7.1 8.1 10.4
ALT/AZ=84.8 -63.5
fwAVG=3.97
sdW=2489.7
fwW=4.22
sdS=1083.6
fwS=3.99
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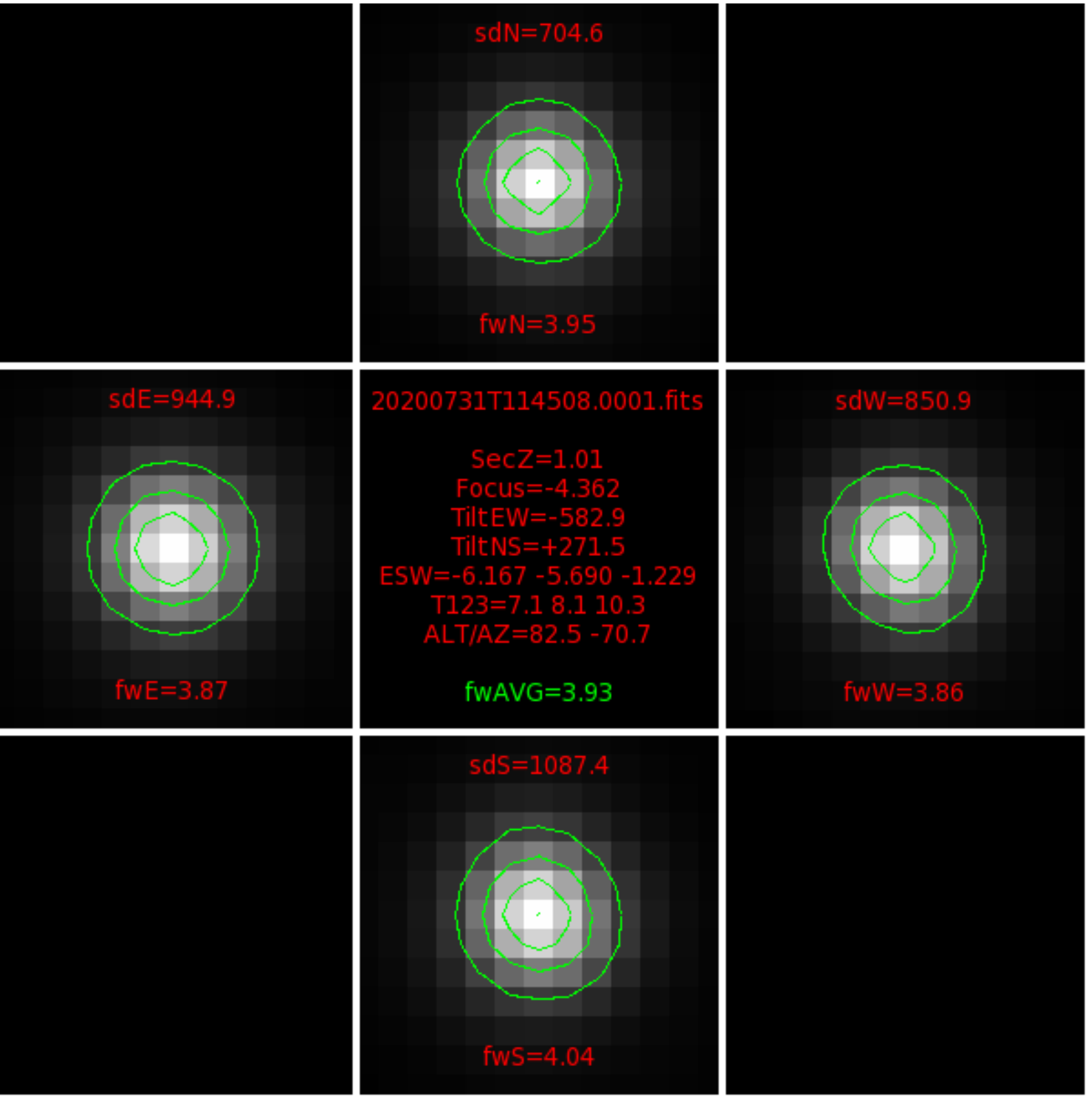
sdN=704.6
fwN=3.95
sdE=944.9
fwE=3.87
20200731T114508.0001.fits
SecZ=1.01
Focus=-4.362
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.167 -5.690 -1.229
T123=7.1 8.1 10.3
ALT/AZ=82.5 -70.7
fwAVG=3.93
sdW=850.9
fwW=3.86
sdS=1087.4
fwS=4.04
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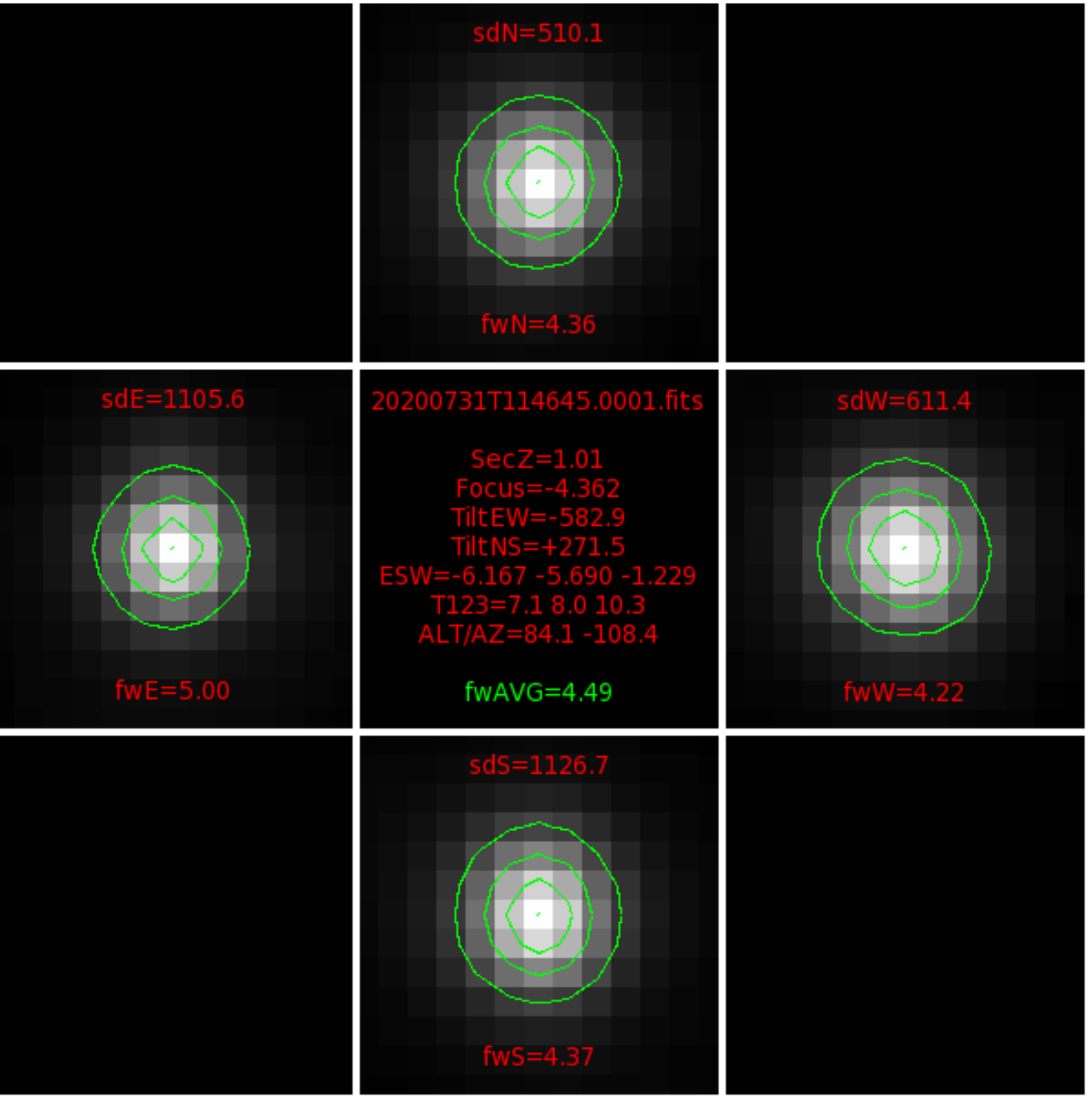
sdN=510.1
fwN=4.36
sdE=1105.6
fwE=5.00
20200731T114645.0001.fits
SecZ=1.01
Focus=-4.362
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.167 -5.690 -1.229
T123=7.1 8.0 10.3
ALT/AZ=84.1 -108.4
fwAVG=4.49
sdW=611.4
fwW=4.22
sdS=1126.7
fwS=4.37
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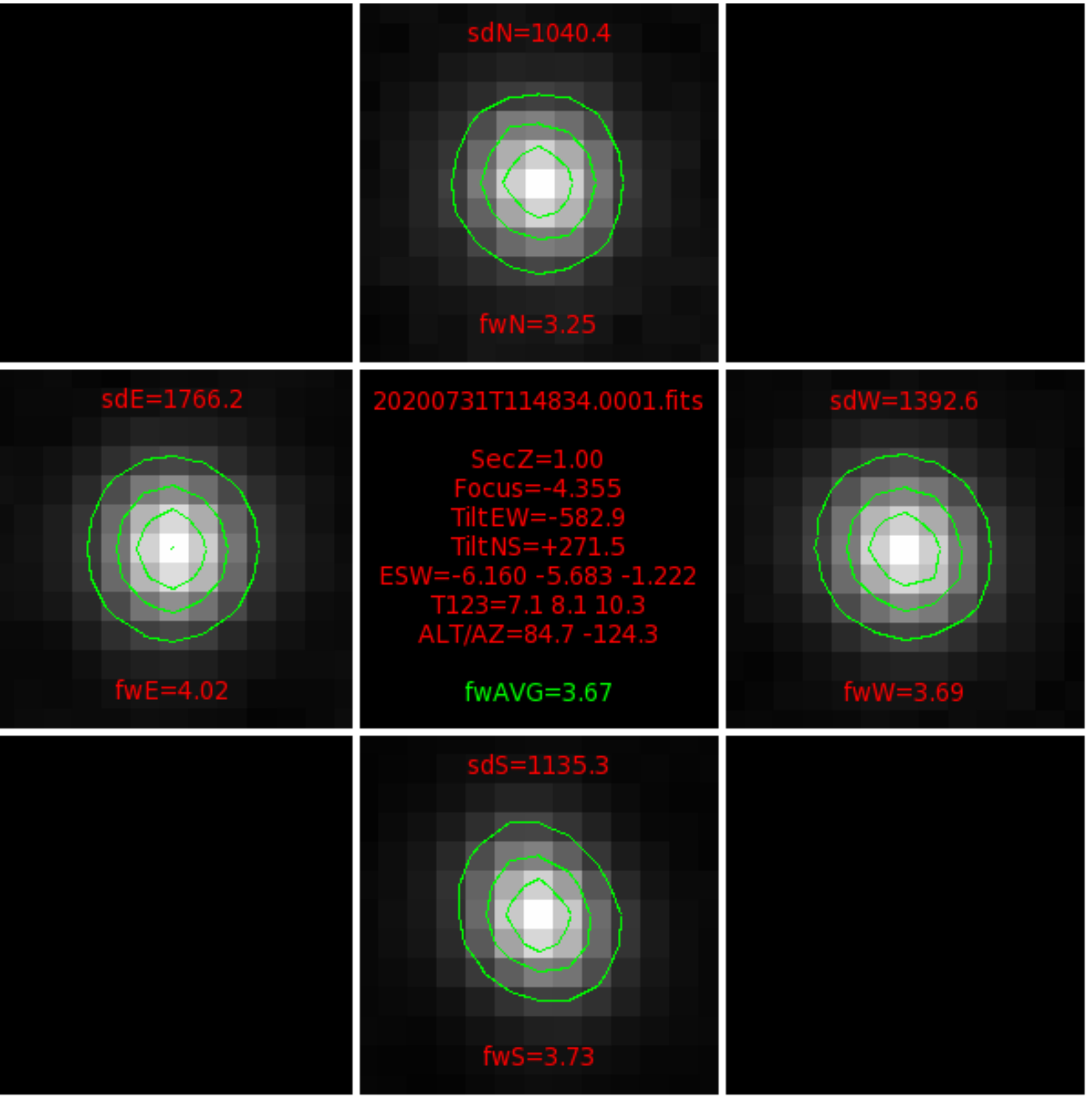
sdN=1040.4
fwN=3.25
sdE=1766.2
fwE=4.02
20200731T114834.0001.fits
SecZ=1.00
Focus=-4.355
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.160 -5.683 -1.222
T123=7.1 8.1 10.3
ALT/AZ=84.7 -124.3
fwAVG=3.67
sdW=1392.6
fwW=3.69
sdS=1135.3
fwS=3.73
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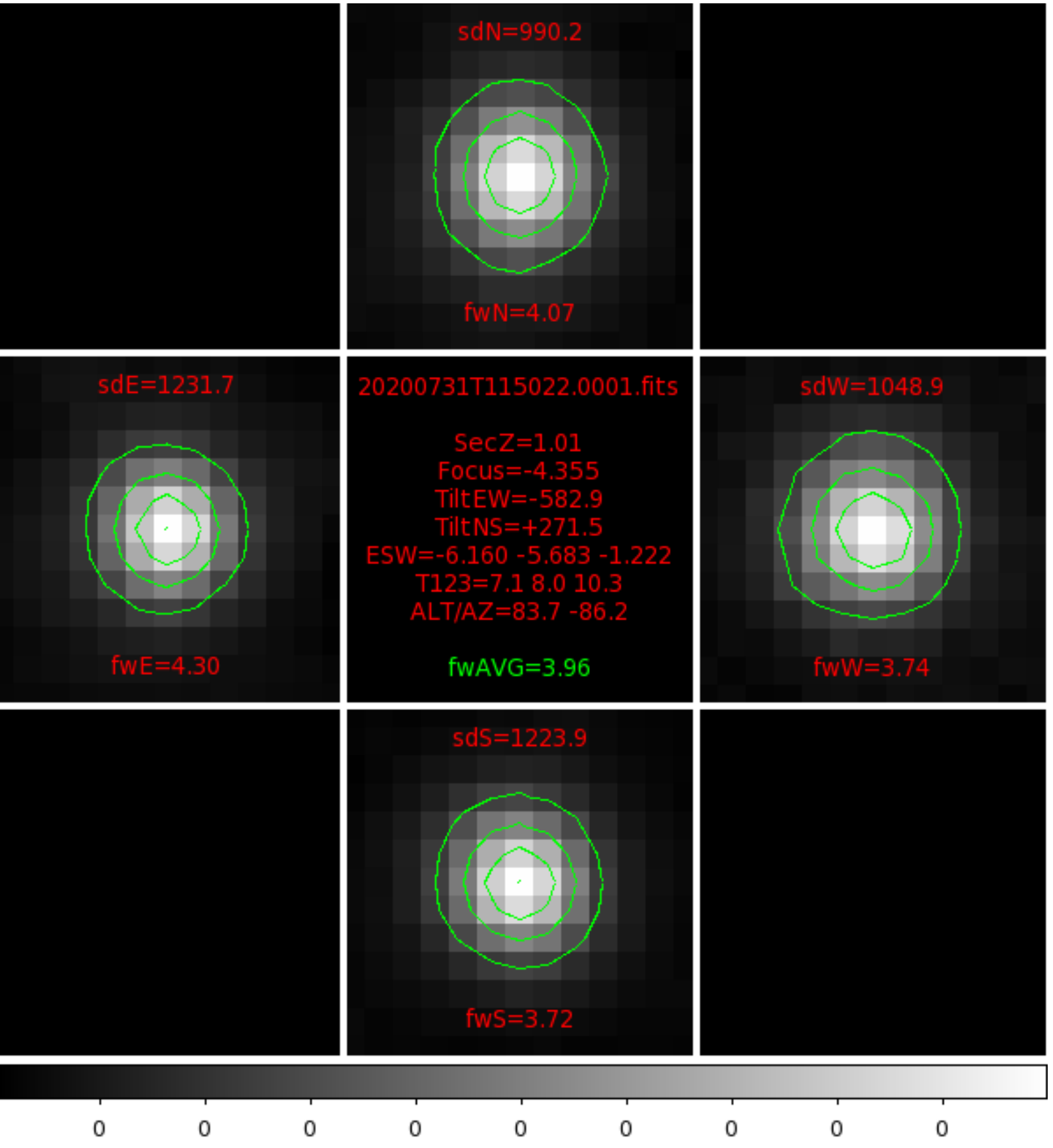
sdN=990.2
fwN=4.07
sdE=1231.7
fwE=4.30
20200731T115022.0001.fits
SecZ=1.01
Focus=-4.355
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.160 -5.683 -1.222
T123=7.1 8.0 10.3
ALT/AZ=83.7 -86.2
fwAVG=3.96
sdW=1048.9
fwW=3.74
sdS=1223.9
fwS=3.72
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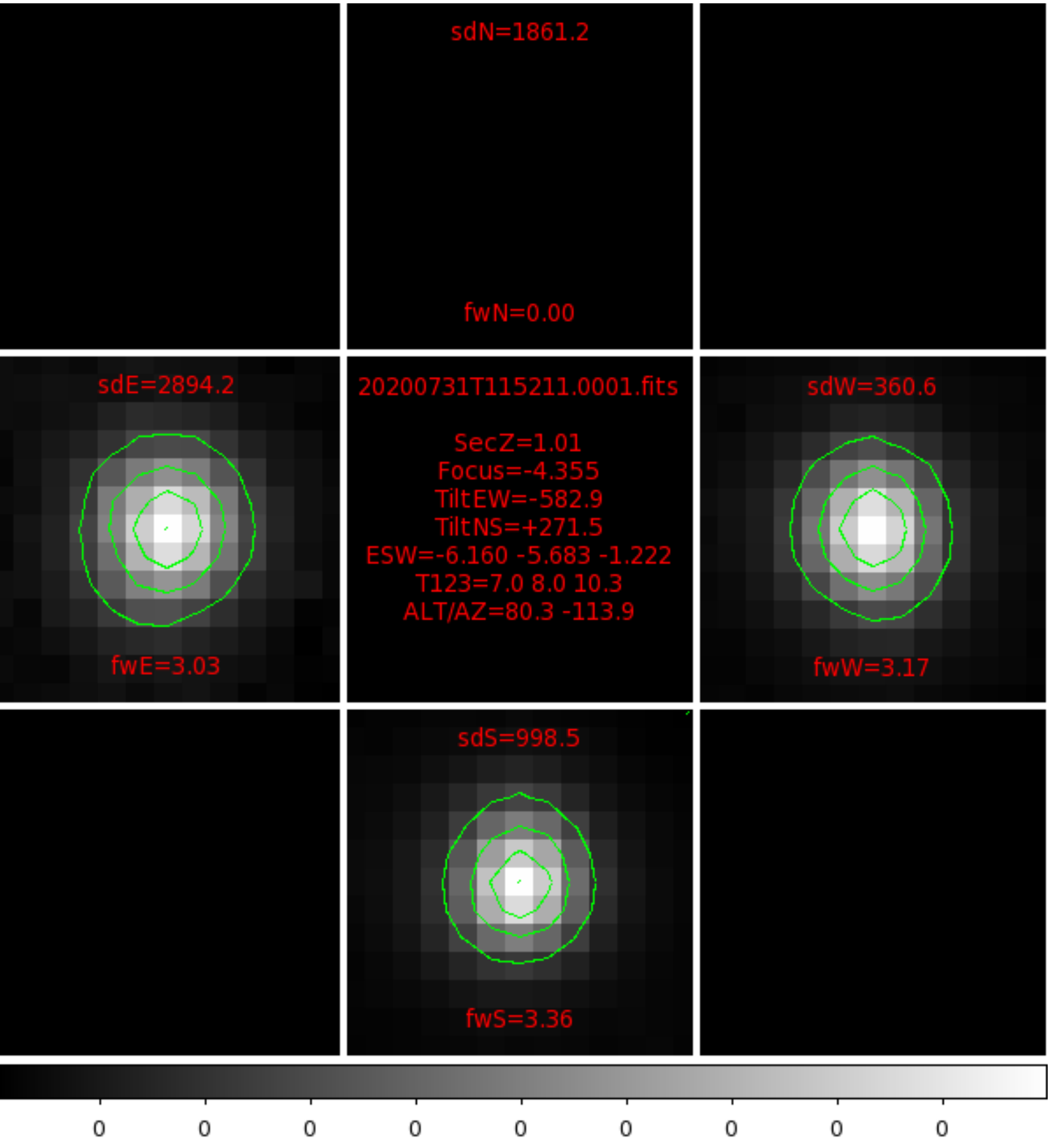
sdN=1861.2
fwN=0.00
sdE=2894.2
fwE=3.03
20200731T115211.0001.fits
SecZ=1.01
Focus=-4.355
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.160 -5.683 -1.222
T123=7.0 8.0 10.3
ALT/AZ=80.3 -113.9
sdW=360.6
fwW=3.17
sdS=998.5
fwS=3.36
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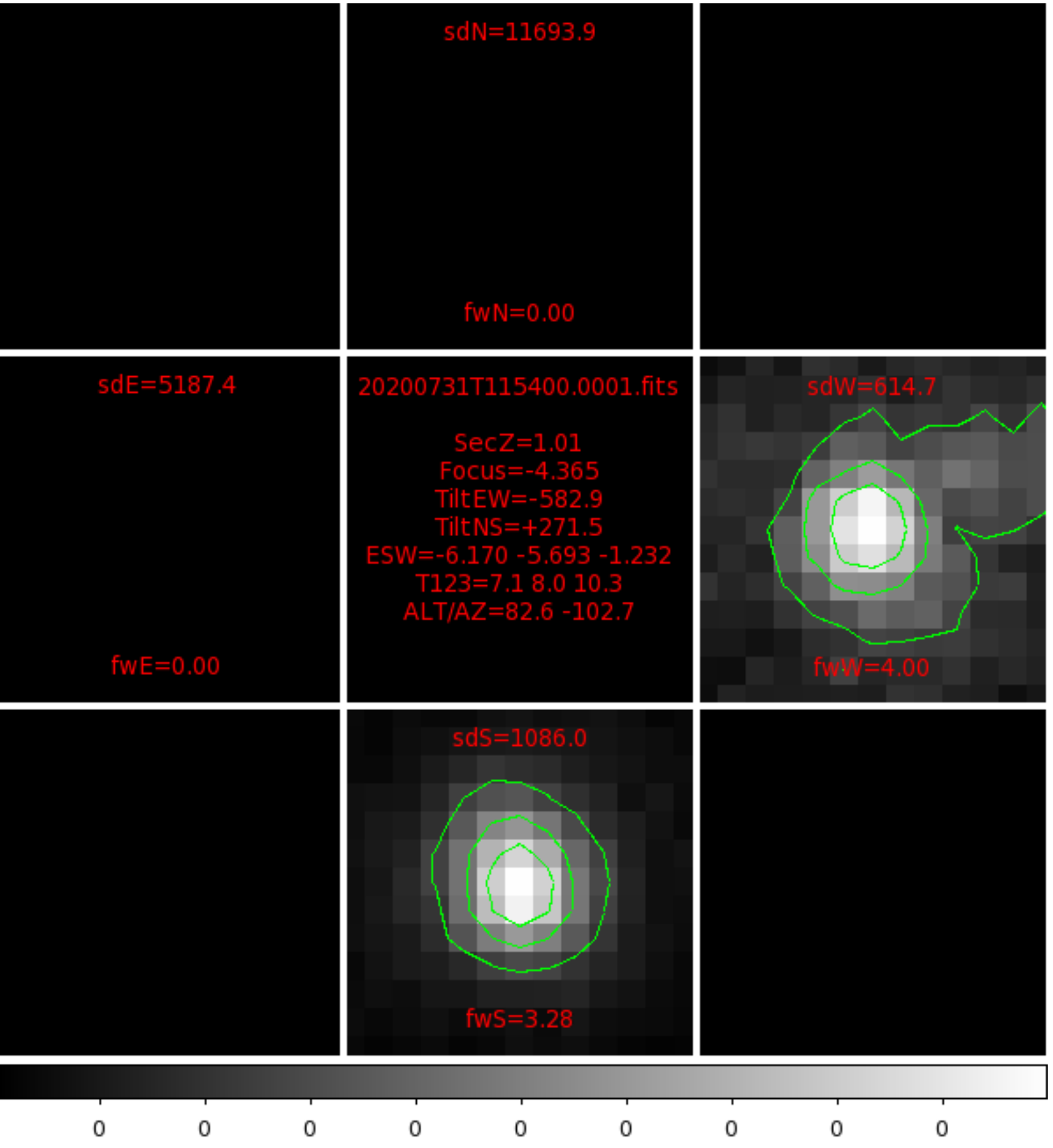
sdN=11693.9
fwN=0.00
sdE=5187.4
fwE=0.00
20200731T115400.0001.fits
SecZ=1.01
Focus=-4.365
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.170 -5.693 -1.232
T123=7.1 8.0 10.3
ALT/AZ=82.6 -102.7
sdW=614.7
fwW=4.00
sdS=1086.0
fwS=3.28
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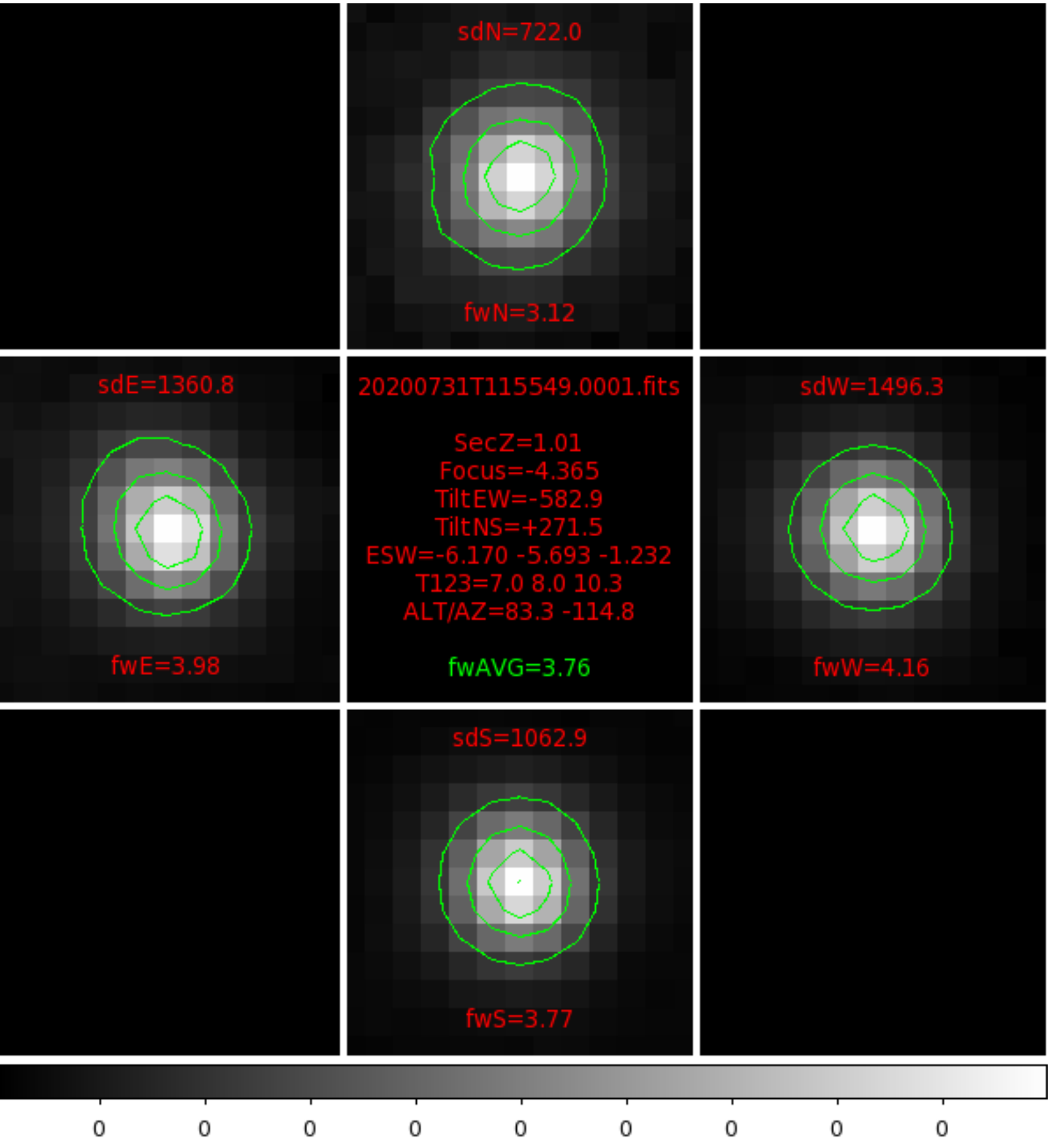
sdN=722.0
fwN=3.12
sdE=1360.8
fwE=3.98
20200731T115549.0001.fits
SecZ=1.01
Focus=-4.365
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.170 -5.693 -1.232
T123=7.0 8.0 10.3
ALT/AZ=83.3 -114.8
fwAVG=3.76
sdW=1496.3
fwW=4.16
sdS=1062.9
fwS=3.77
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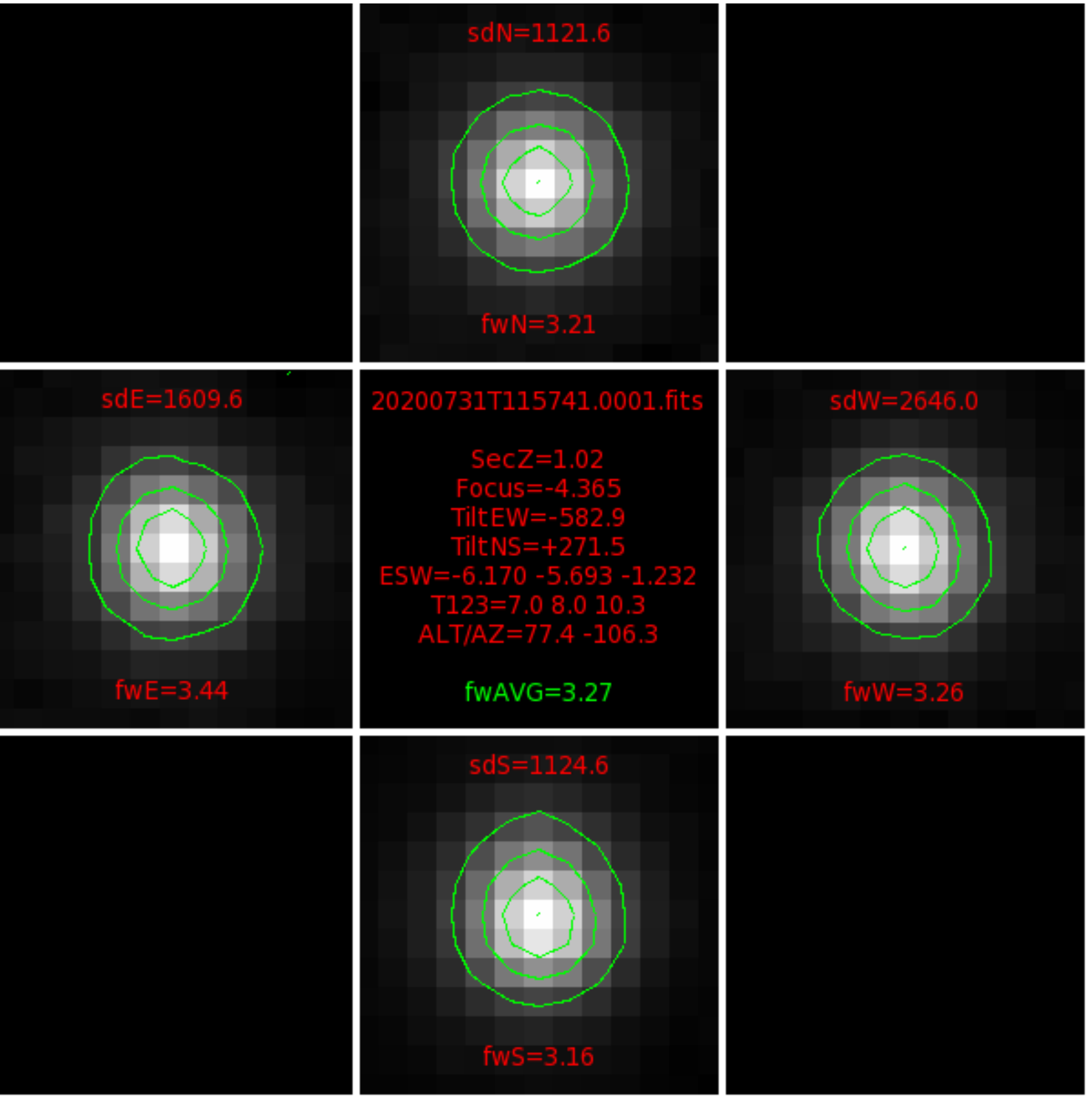
sdN=1121.6
fwN=3.21
sdE=1609.6
fwE=3.44
20200731T115741.0001.fits
SecZ=1.02
Focus=-4.365
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.170 -5.693 -1.232
T123=7.0 8.0 10.3
ALT/AZ=77.4 -106.3
fwAVG=3.27
sdW=2646.0
fwW=3.26
sdS=1124.6
fwS=3.16
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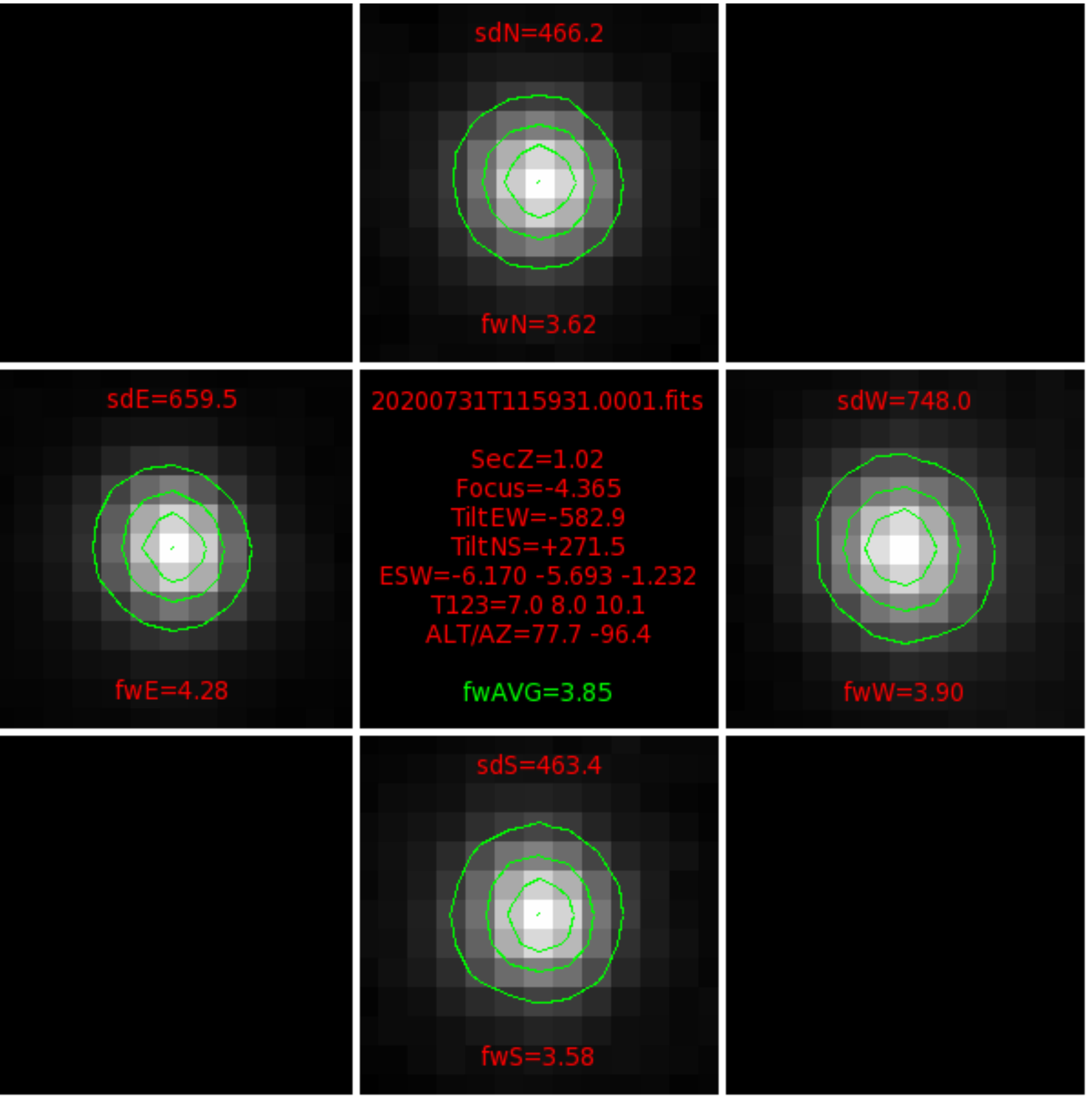
sdN=466.2
fwN=3.62
sdE=659.5
fwE=4.28
20200731T115931.0001.fits
SecZ=1.02
Focus=-4.365
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.170 -5.693 -1.232
T123=7.0 8.0 10.1
ALT/AZ=77.7 -96.4
fwAVG=3.85
sdW=748.0
fwW=3.90
sdS=463.4
fwS=3.58
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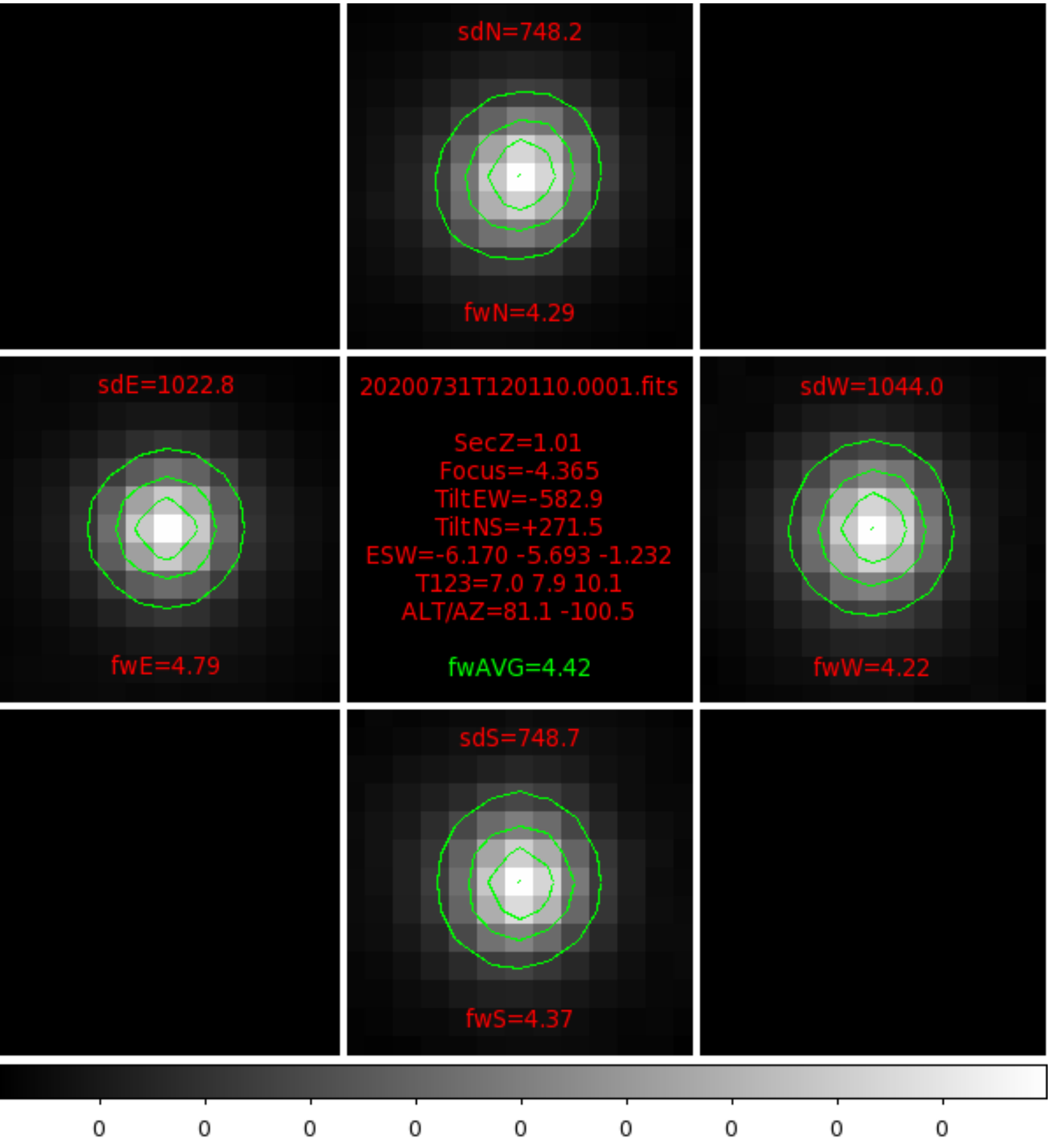
sdN=748.2
fwN=4.29
sdE=1022.8
fwE=4.79
20200731T120110.0001.fits
SecZ=1.01
Focus=-4.365
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.170 -5.693 -1.232
T123=7.0 7.9 10.1
ALT/AZ=81.1 -100.5
fwAVG=4.42
sdW=1044.0
fwW=4.22
sdS=748.7
fwS=4.37
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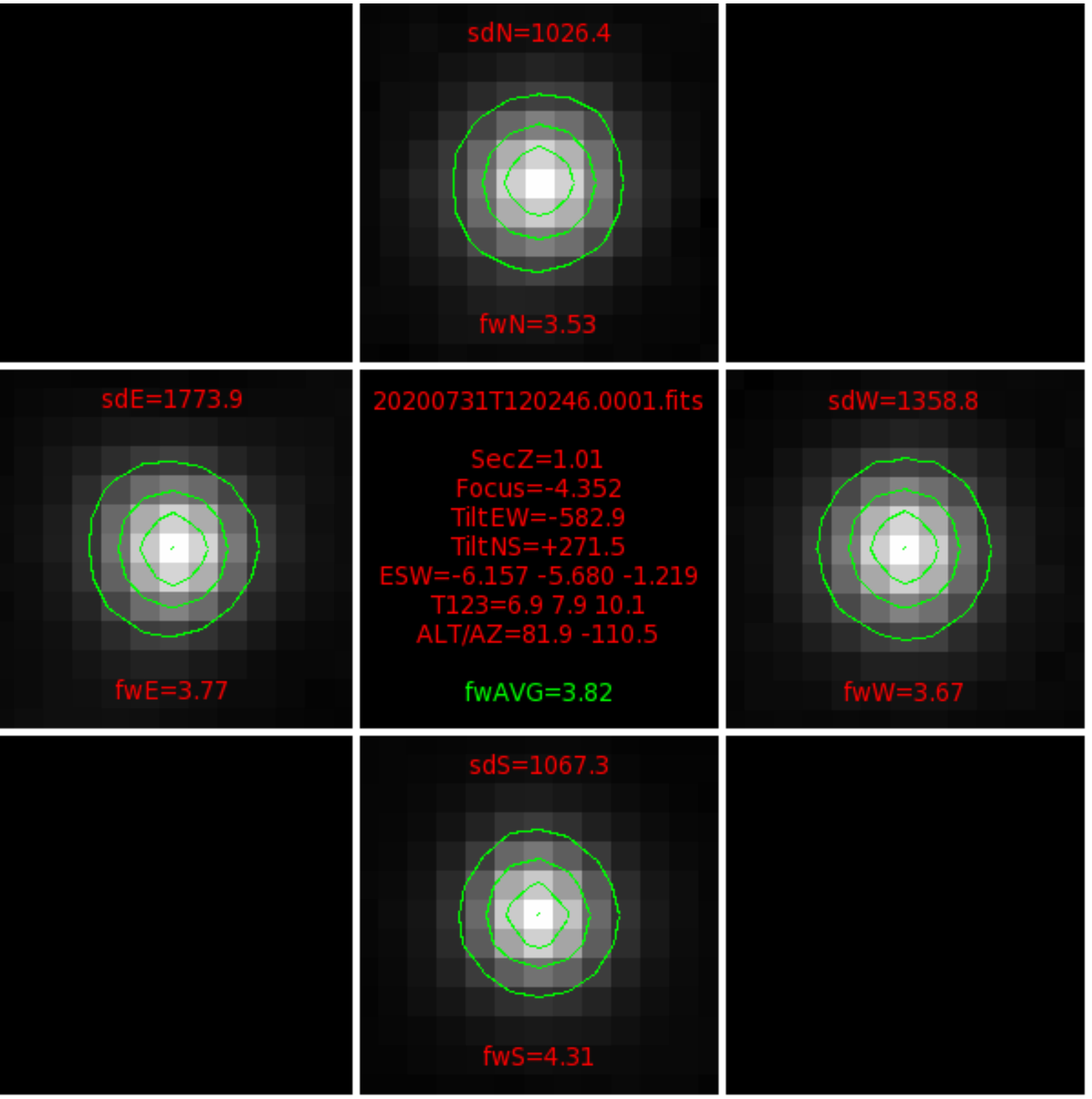
sdN=1026.4
fwN=3.53
sdE=1773.9
fwE=3.77
20200731T120246.0001.fits
SecZ=1.01
Focus=-4.352
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.157 -5.680 -1.219
T123=6.9 7.9 10.1
ALT/AZ=81.9 -110.5
fwAVG=3.82
sdW=1358.8
fwW=3.67
sdS=1067.3
fwS=4.31
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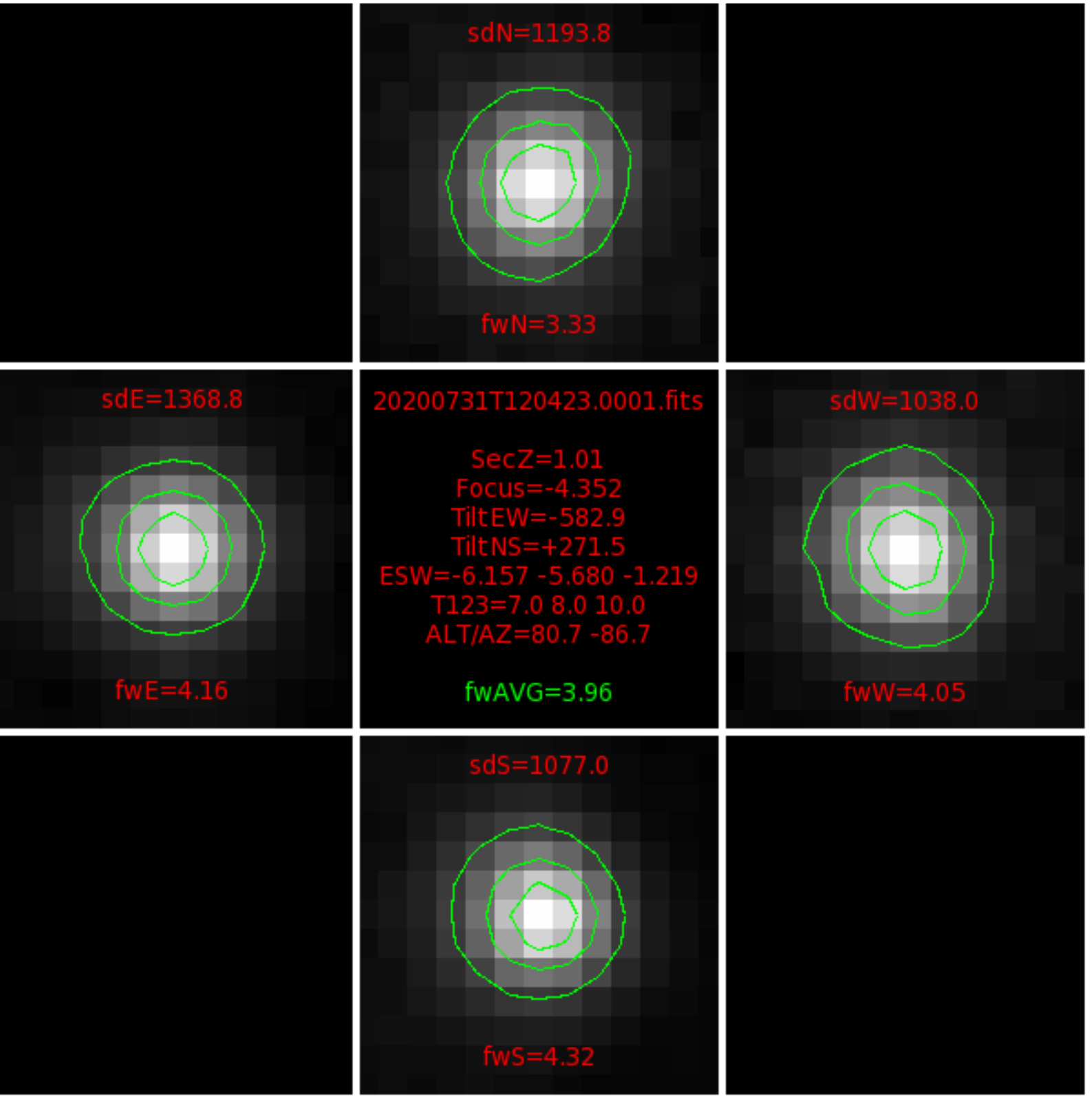
sdN=1193.8
fwN=3.33
sdE=1368.8
fwE=4.16
20200731T120423.0001.fits
SecZ=1.01
Focus=-4.352
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.157 -5.680 -1.219
T123=7.0 8.0 10.0
ALT/AZ=80.7 -86.7
fwAVG=3.96
sdW=1038.0
fwW=4.05
sdS=1077.0
fwS=4.32
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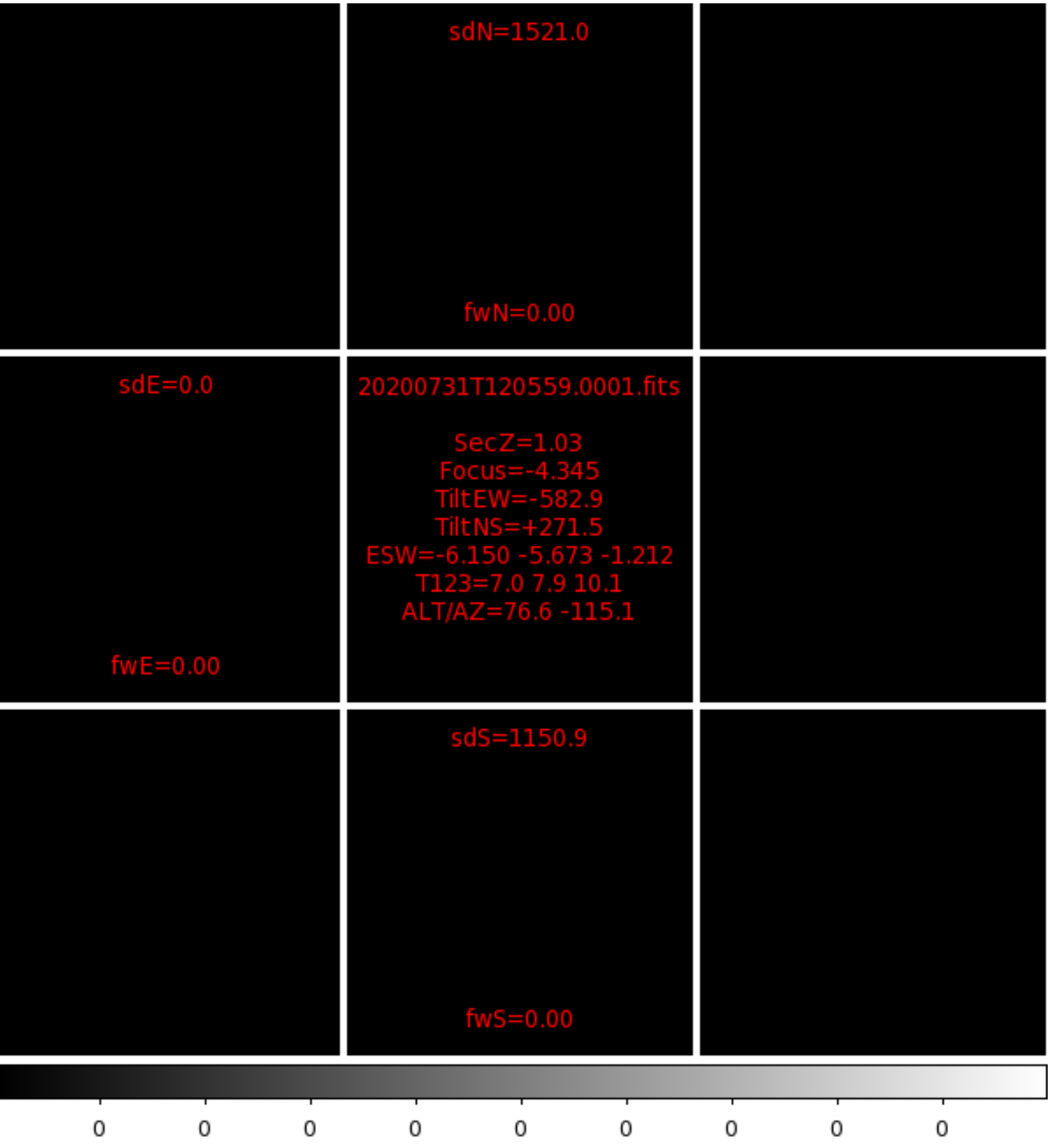
sdN=1521.0
fwN=0.00
sdE=0.0
20200731T120559.0001.fits
SecZ=1.03
Focus=-4.345
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.150 -5.673 -1.212
T123=7.0 7.9 10.1
ALT/AZ=76.6 -115.1
fwE=0.00
sdS=1150.9
fwS=0.00
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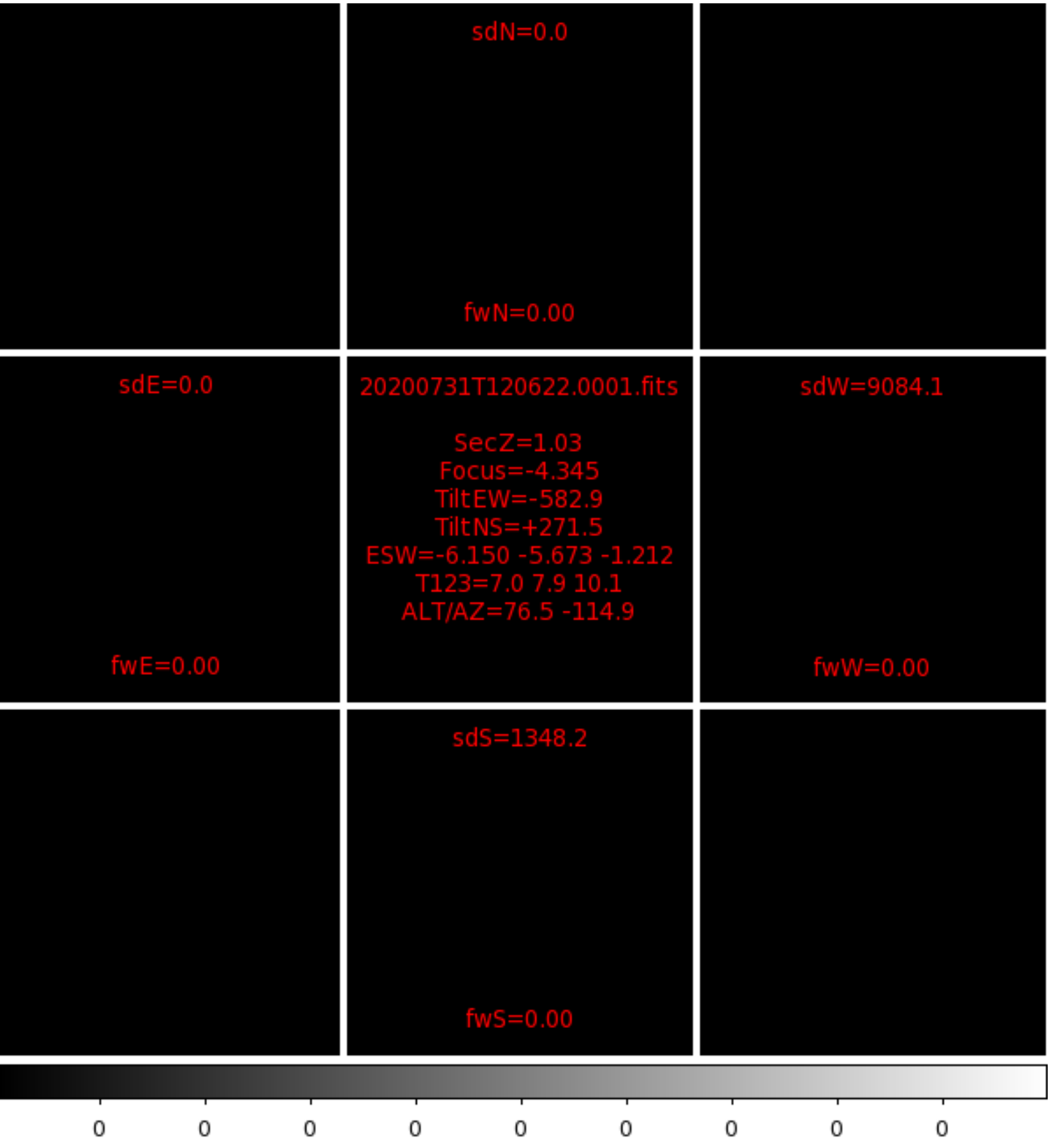
sdN=0.0
fwN=0.00
sdE=0.0
20200731T120622.0001.fits
SecZ=1.03
Focus=-4.345
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.150 -5.673 -1.212
T123=7.0 7.9 10.1
ALT/AZ=76.5 -114.9
sdW=9084.1
fwE=0.00
fwW=0.00
sdS=1348.2
fwS=0.00
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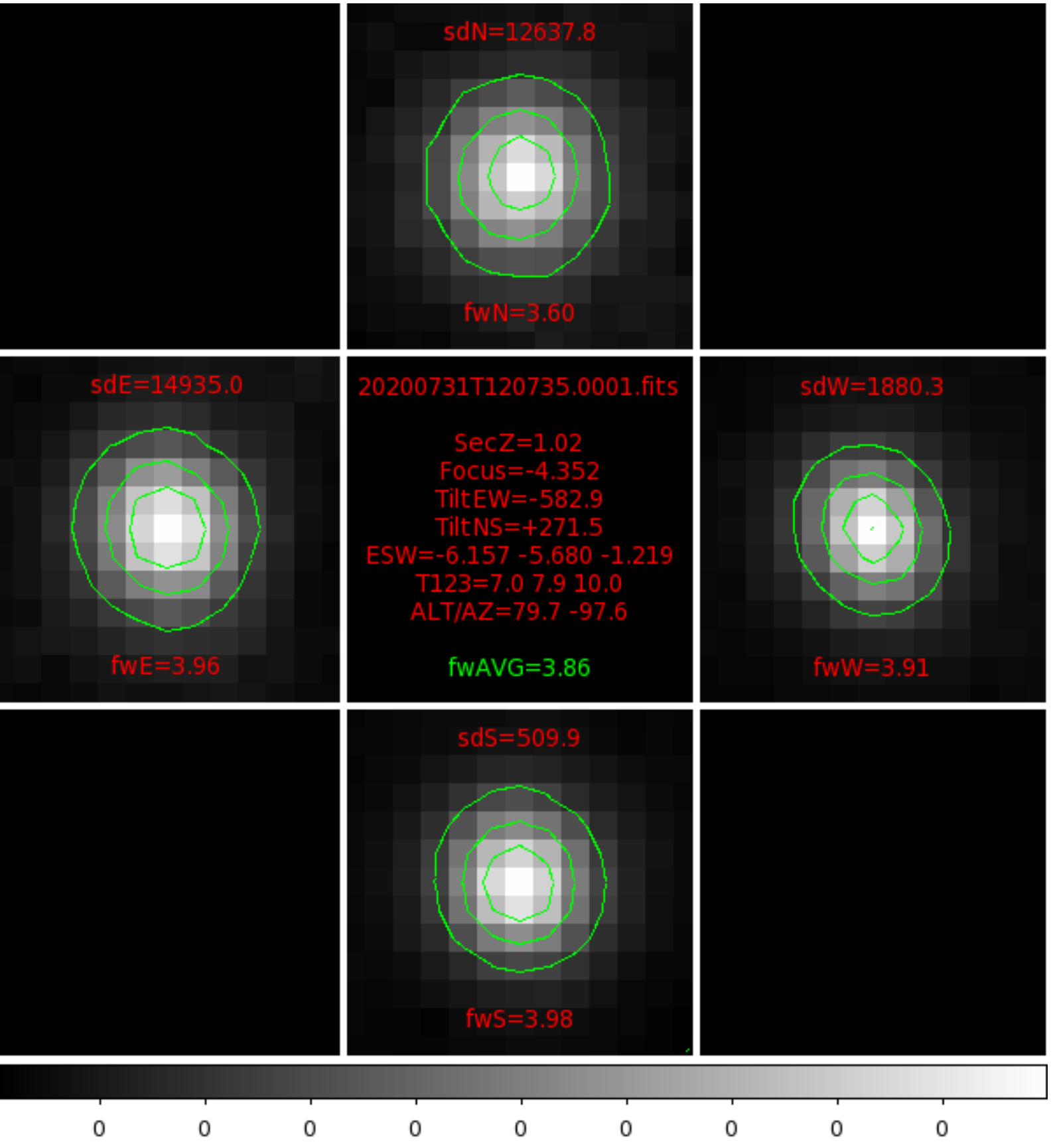
sdN=12637.8
fwN=3.60
sdE=14935.0
fwE=3.96
20200731T120735.0001.fits
SecZ=1.02
Focus=-4.352
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.157 -5.680 -1.219
T123=7.0 7.9 10.0
ALT/AZ=79.7 -97.6
fwAVG=3.86
sdW=1880.3
fwW=3.91
sdS=509.9
fwS=3.98
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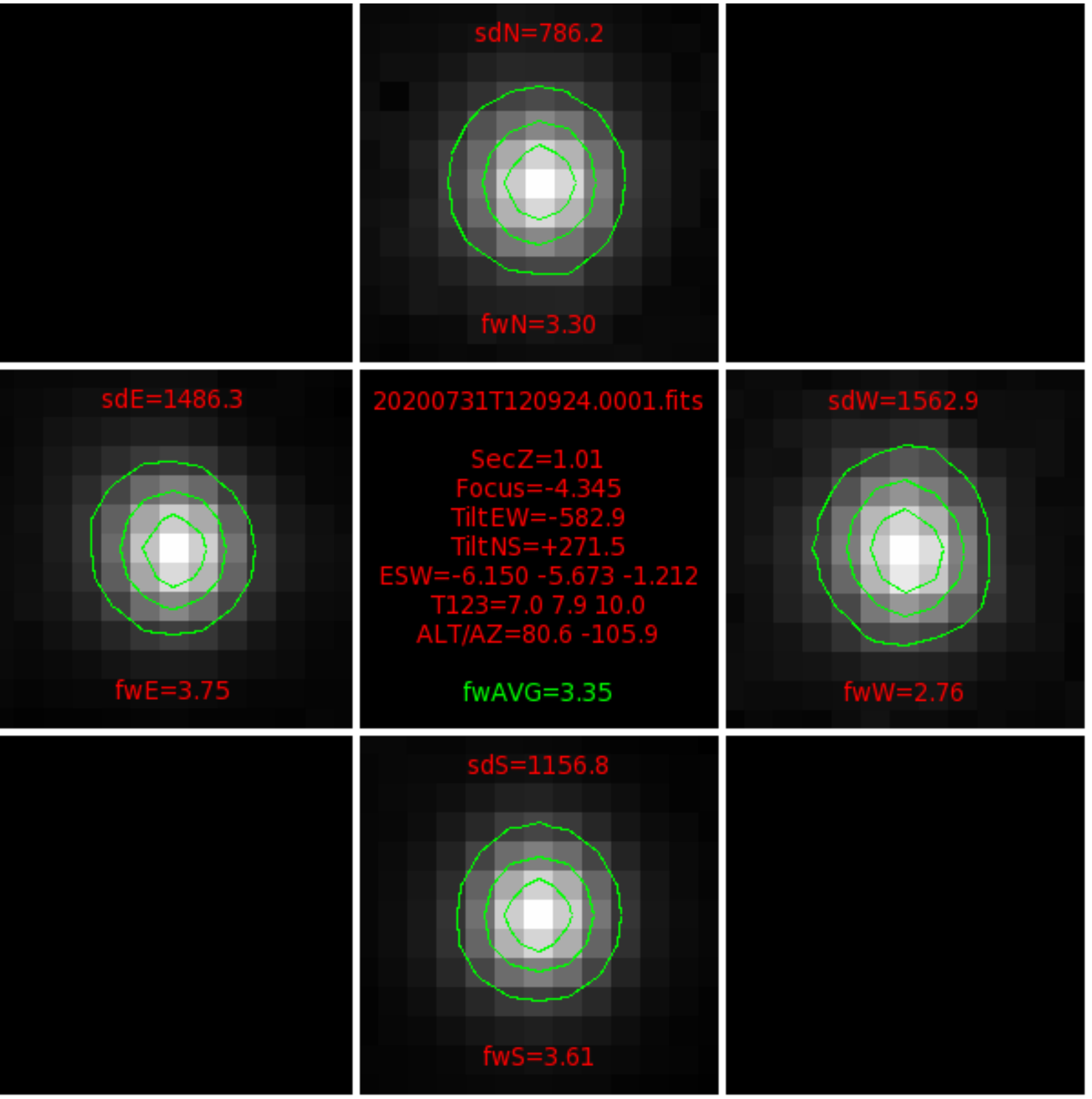
sdN=786.2
fwN=3.30
sdE=1486.3
fwE=3.75
20200731T120924.0001.fits
SecZ=1.01
Focus=-4.345
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.150 -5.673 -1.212
T123=7.0 7.9 10.0
ALT/AZ=80.6 -105.9
fwAVG=3.35
sdW=1562.9
fwW=2.76
sdS=1156.8
fwS=3.61
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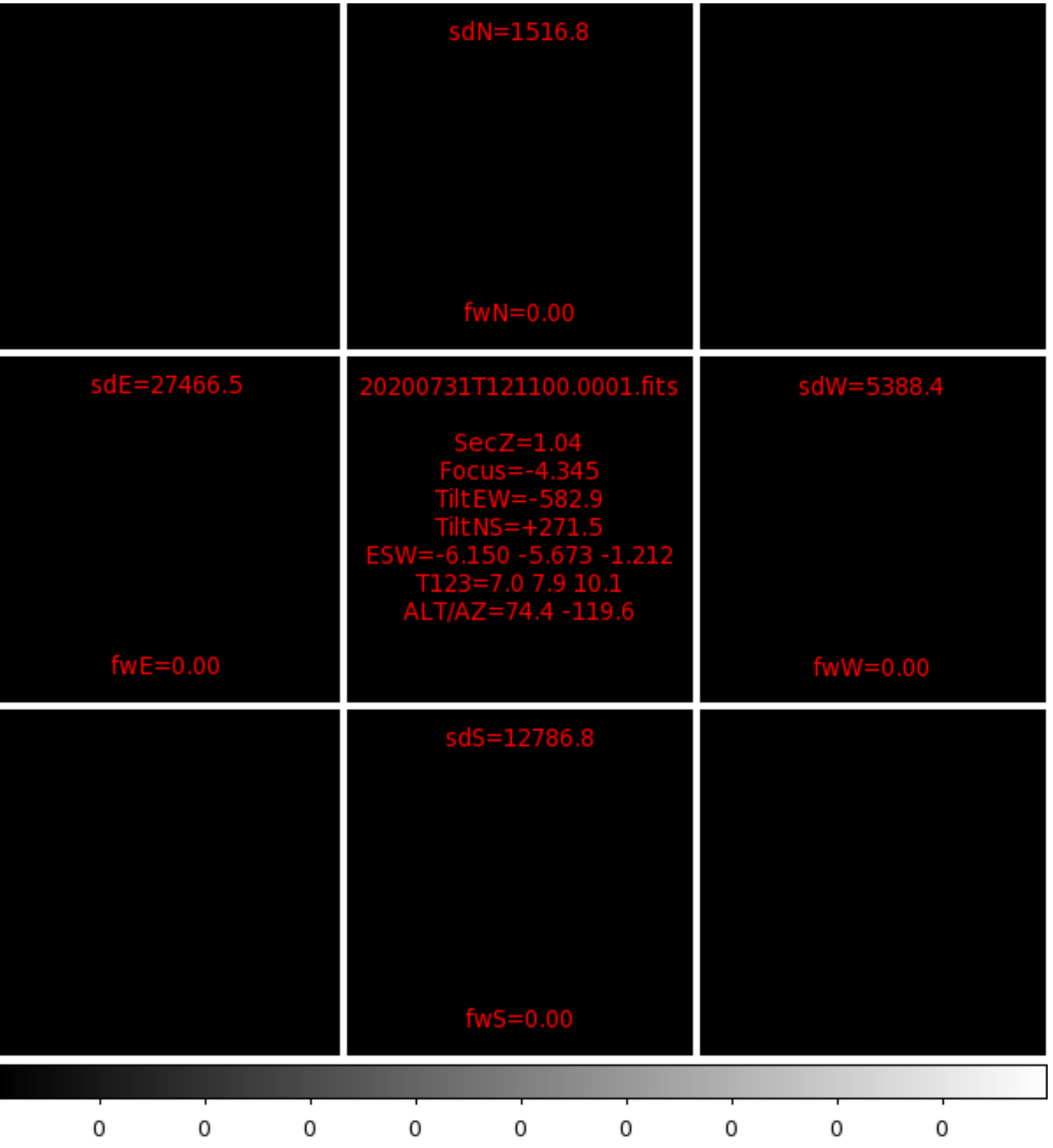
sdN=1516.8
fwN=0.00
sdE=27466.5
fwE=0.00
20200731T121100.0001.fits
SecZ=1.04
Focus=-4.345
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.150 -5.673 -1.212
T123=7.0 7.9 10.1
ALT/AZ=74.4 -119.6
sdW=5388.4
fwW=0.00
sdS=12786.8
fwS=0.00
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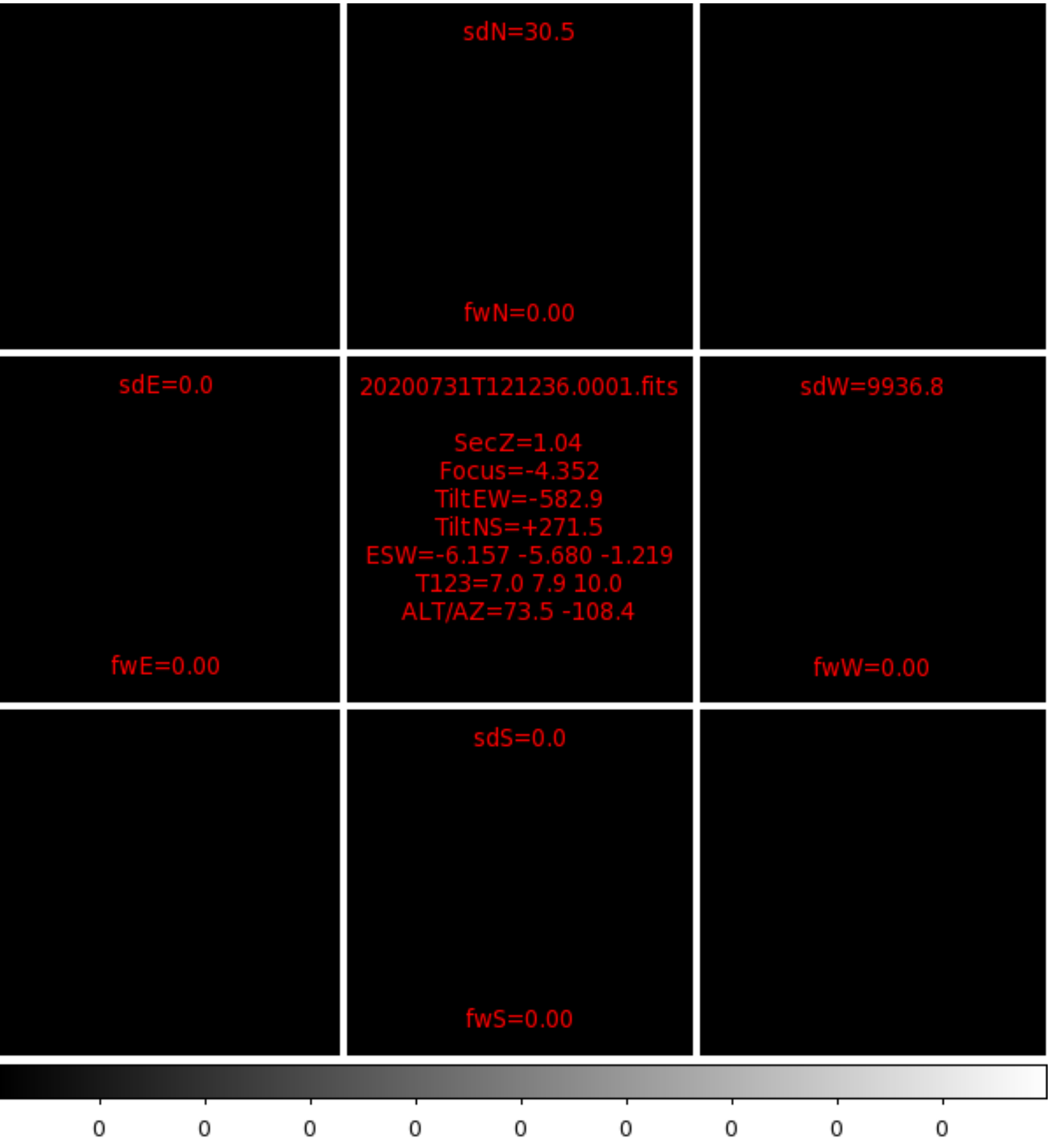
sdN=30.5
fwN=0.00
sdE=0.0
20200731T121236.0001.fits
SecZ=1.04
Focus=-4.352
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.157 -5.680 -1.219
T123=7.0 7.9 10.0
ALT/AZ=73.5 -108.4
sdW=9936.8
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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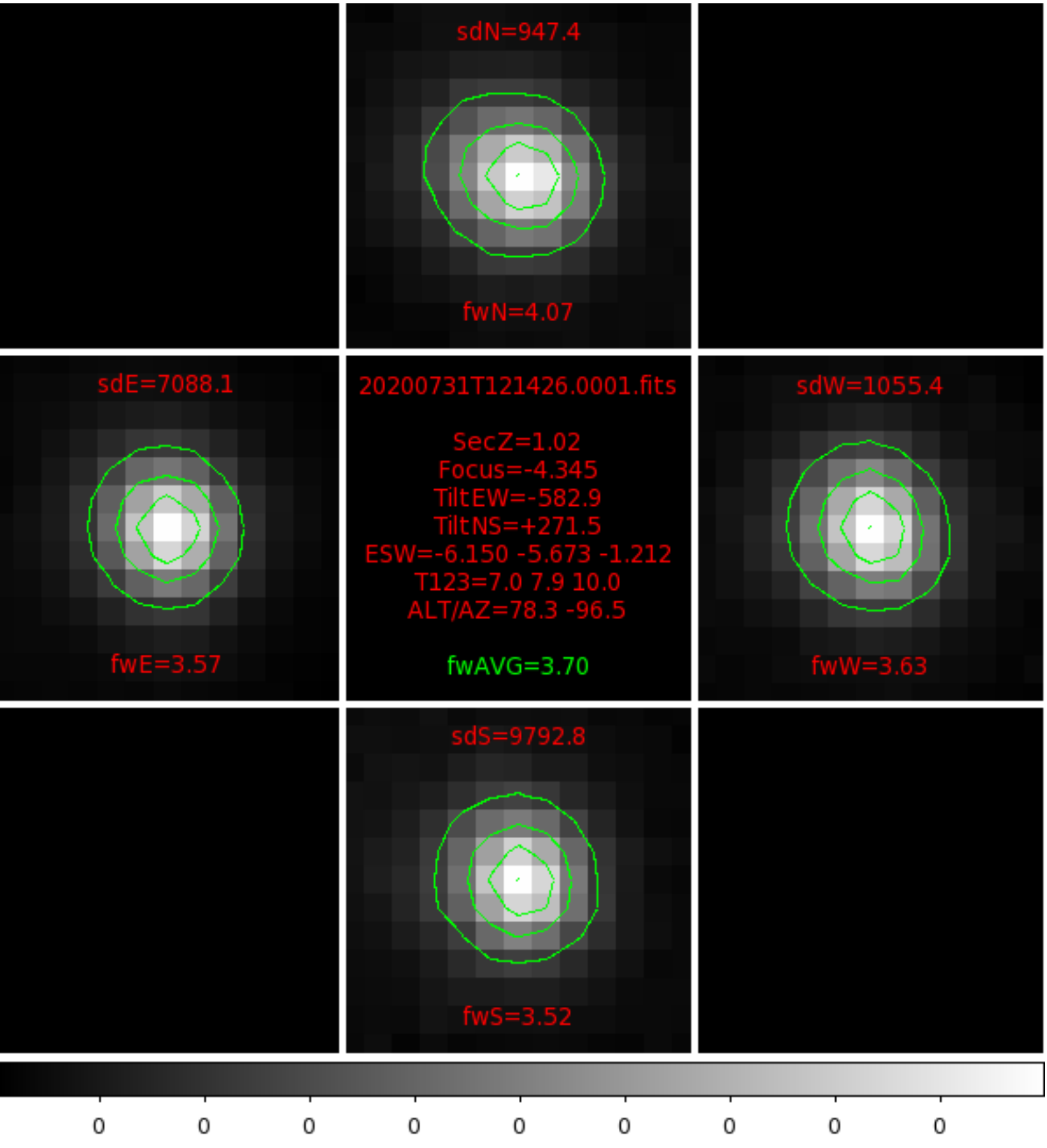
sdN=947.4
fwN=4.07
sdE=7088.1
fwE=3.57
20200731T121426.0001.fits
SecZ=1.02
Focus=-4.345
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.150 -5.673 -1.212
T123=7.0 7.9 10.0
ALT/AZ=78.3 -96.5
fwAVG=3.70
sdW=1055.4
fwW=3.63
sdS=9792.8
fwS=3.52
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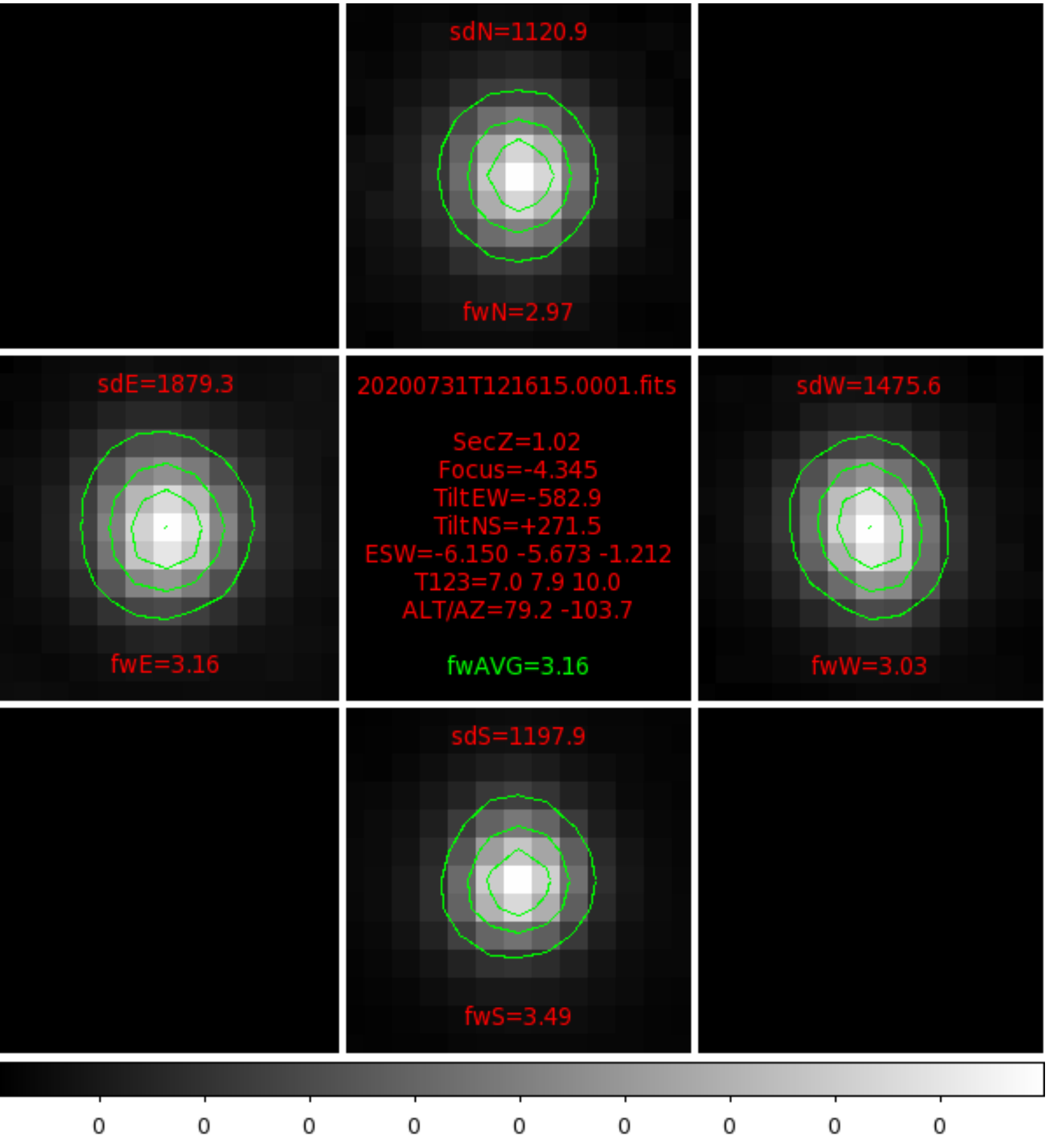
sdN=1120.9
fwN=2.97
sdE=1879.3
fwE=3.16
20200731T121615.0001.fits
SecZ=1.02
Focus=-4.345
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.150 -5.673 -1.212
T123=7.0 7.9 10.0
ALT/AZ=79.2 -103.7
fwAVG=3.16
sdW=1475.6
fwW=3.03
sdS=1197.9
fwS=3.49
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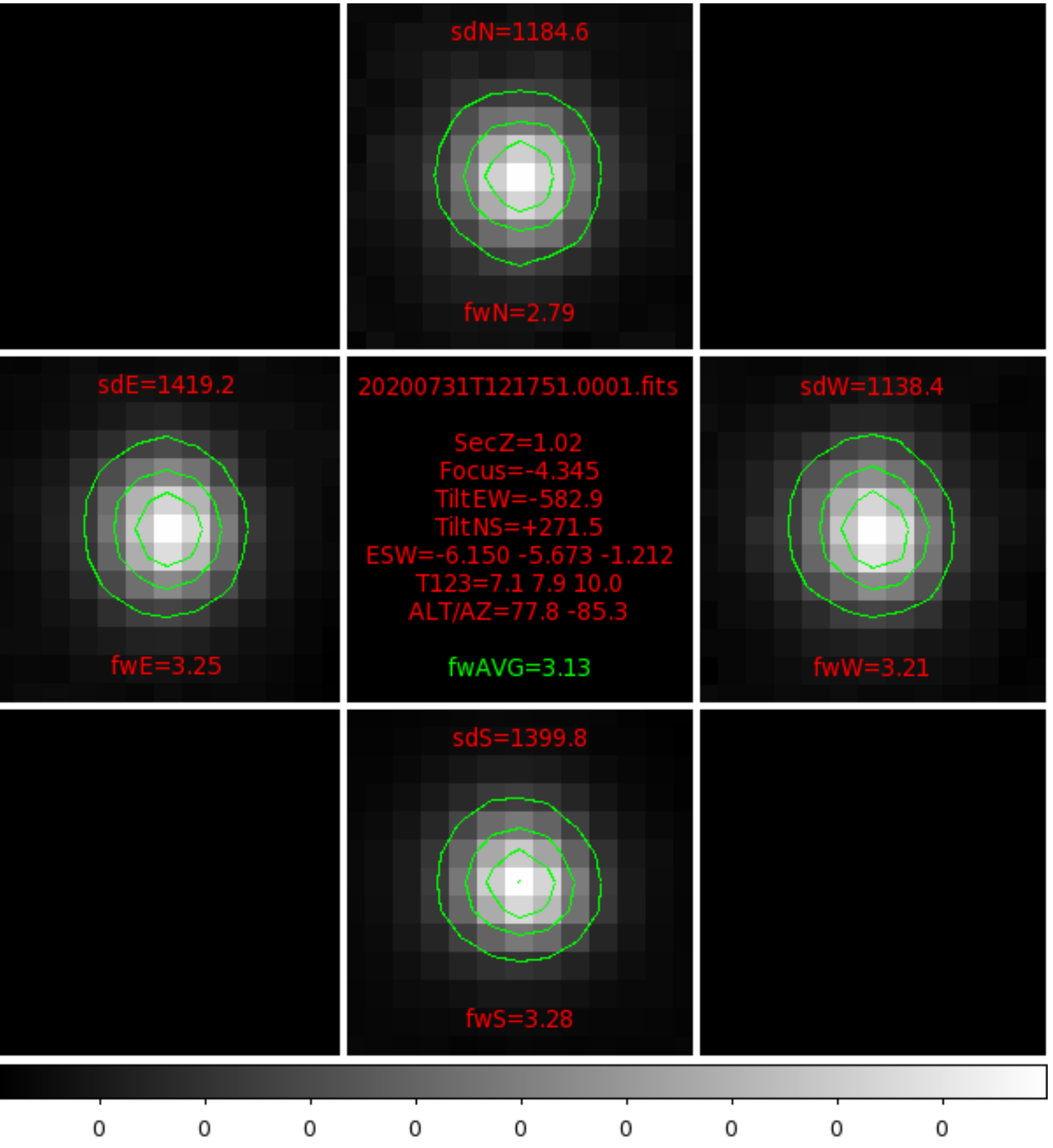
sdN=1184.6
fwN=2.79
sdE=1419.2
fwE=3.25
20200731T121751.0001.fits
SecZ=1.02
Focus=-4.345
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.150 -5.673 -1.212
T123=7.1 7.9 10.0
ALT/AZ=77.8 -85.3
fwAVG=3.13
sdW=1138.4
fwW=3.21
sdS=1399.8
fwS=3.28
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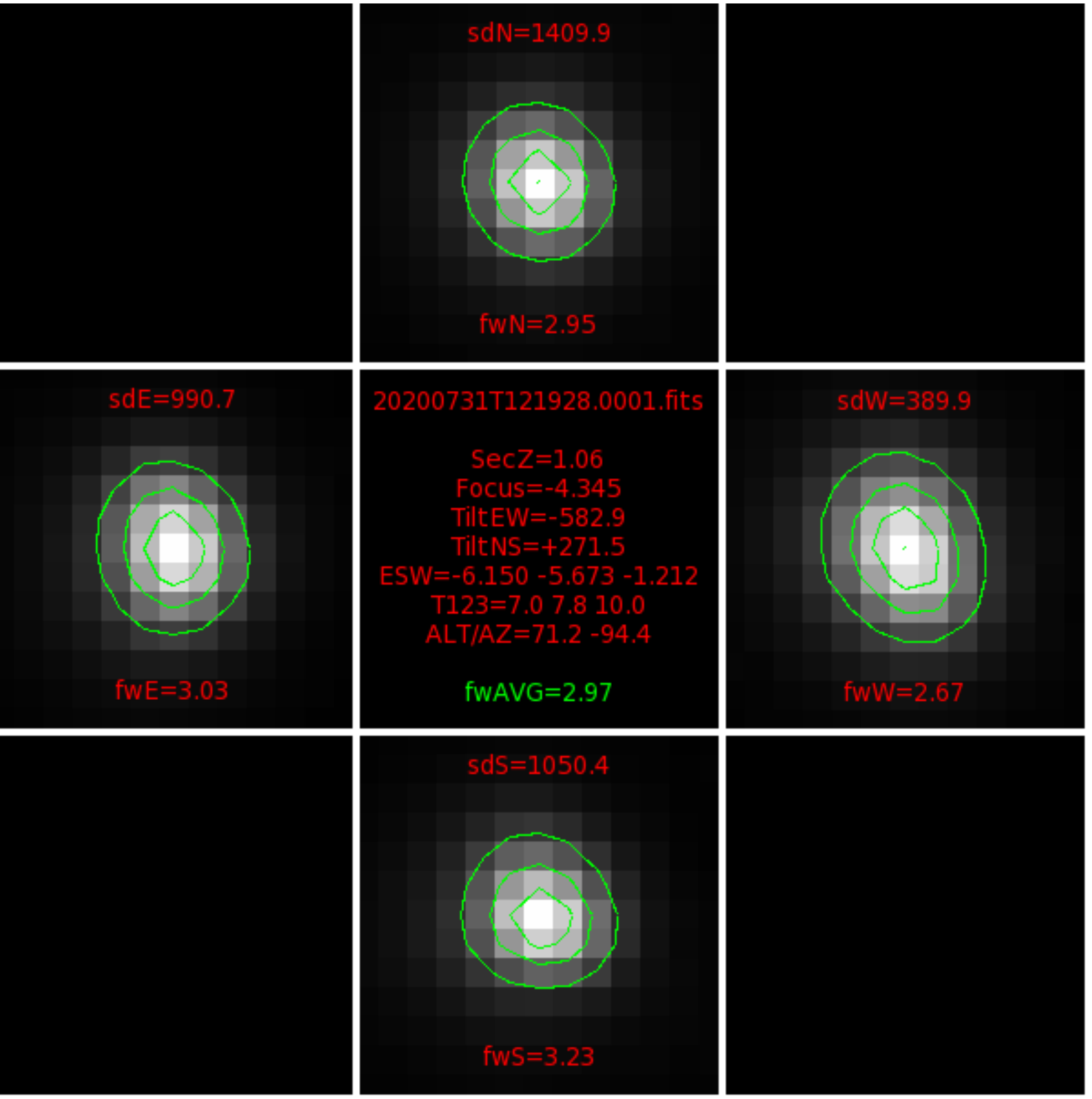
sdN=1409.9
fwN=2.95
sdE=990.7
fwE=3.03
20200731T121928.0001.fits
SecZ=1.06
Focus=-4.345
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.150 -5.673 -1.212
T123=7.0 7.8 10.0
ALT/AZ=71.2 -94.4
fwAVG=2.97
sdW=389.9
fwW=2.67
sdS=1050.4
fwS=3.23
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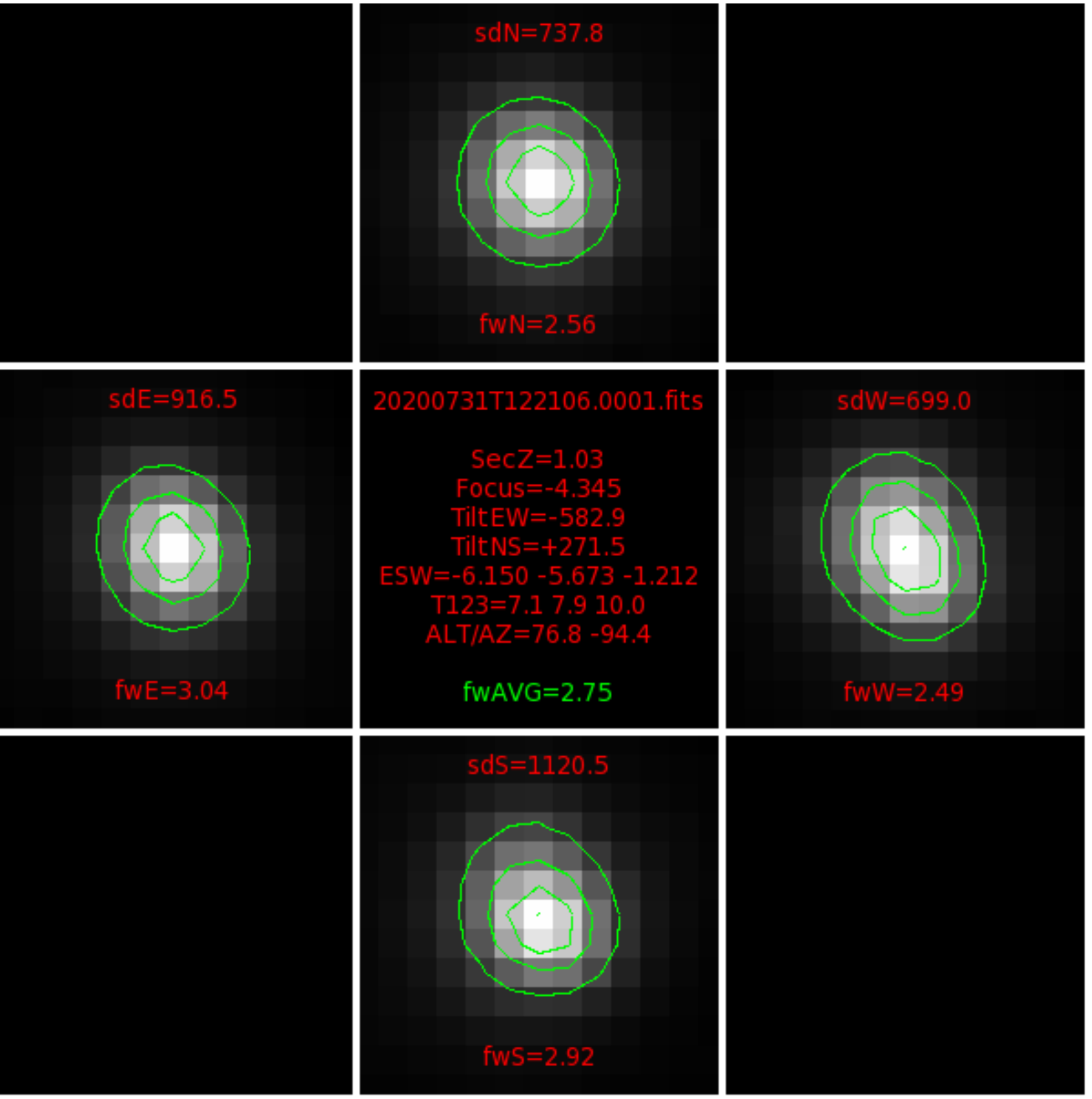
sdN=737.8
fwN=2.56
sdE=916.5
fwE=3.04
20200731T122106.0001.fits
SecZ=1.03
Focus=-4.345
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.150 -5.673 -1.212
T123=7.1 7.9 10.0
ALT/AZ=76.8 -94.4
fwAVG=2.75
sdW=699.0
fwW=2.49
sdS=1120.5
fwS=2.92
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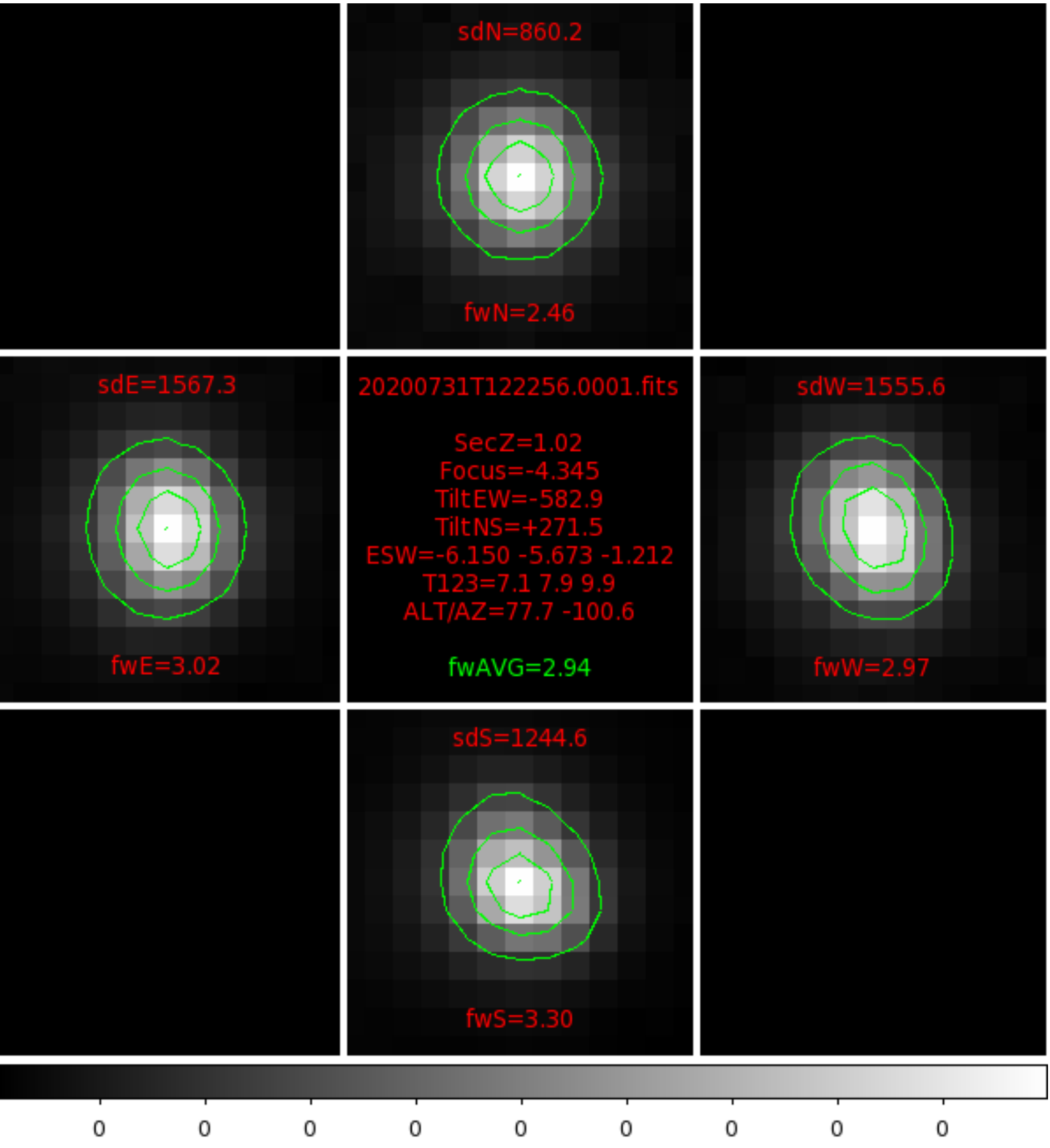
sdN=860.2
fwN=2.46
sdE=1567.3
fwE=3.02
20200731T122256.0001.fits
SecZ=1.02
Focus=-4.345
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.150 -5.673 -1.212
T123=7.1 7.9 9.9
ALT/AZ=77.7 -100.6
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sdW=1555.6
fwW=2.97
sdS=1244.6
fwS=3.30
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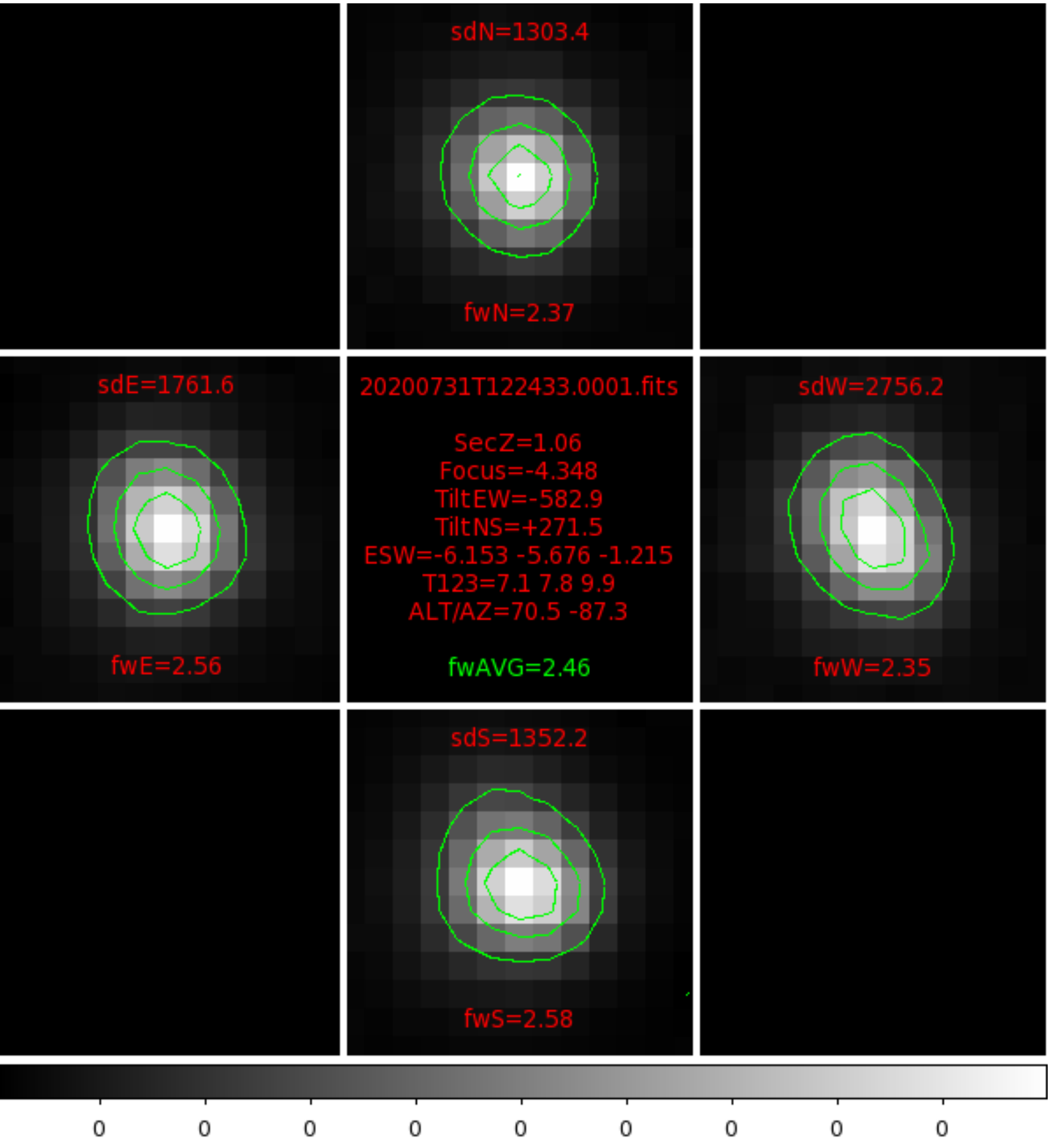
sdN=1303.4
fwN=2.37
sdE=1761.6
fwE=2.56
20200731T122433.0001.fits
SecZ=1.06
Focus=-4.348
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.153 -5.676 -1.215
T123=7.1 7.8 9.9
ALT/AZ=70.5 -87.3
fwAVG=2.46
sdW=2756.2
fwW=2.35
sdS=1352.2
fwS=2.58
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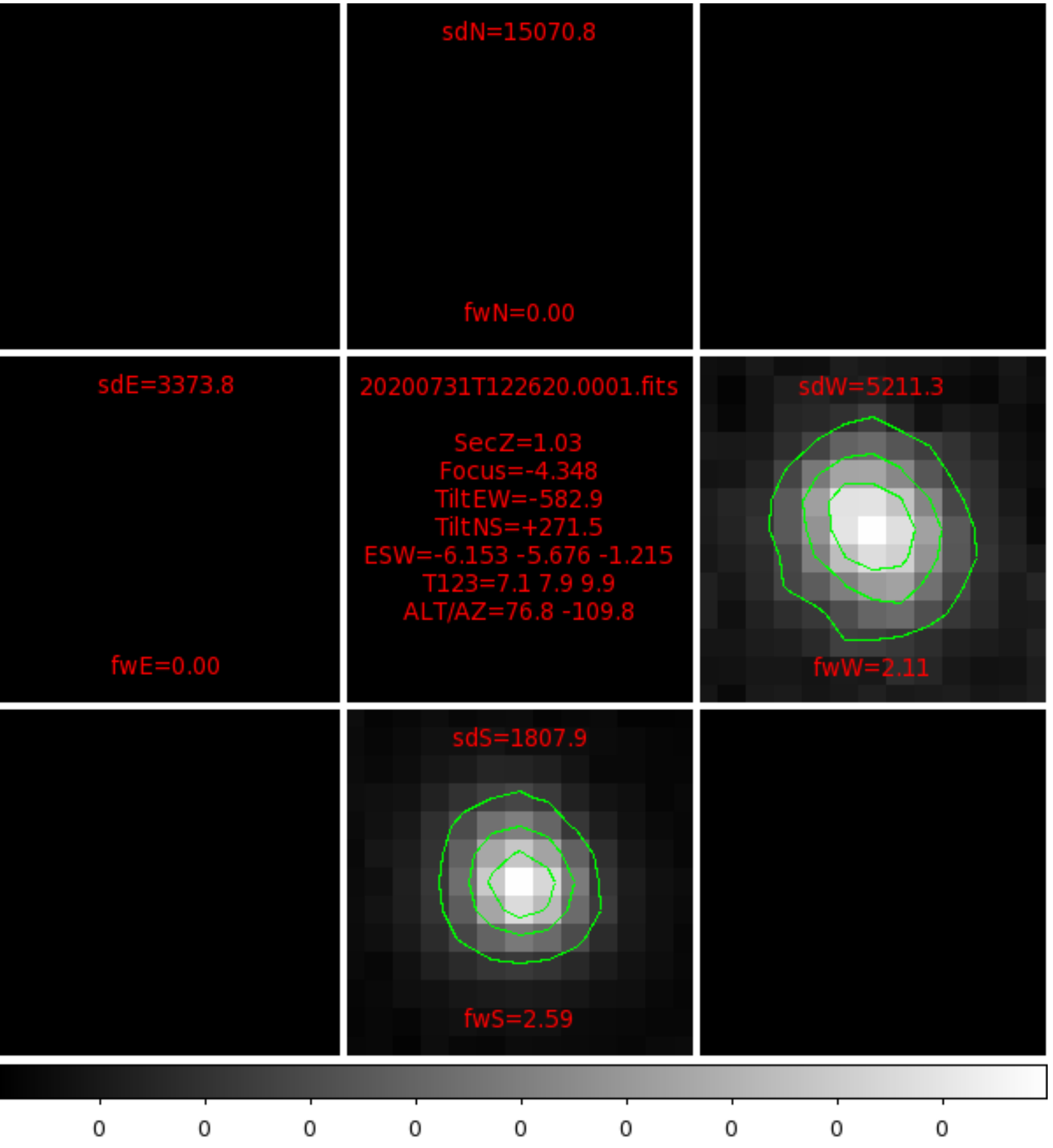
sdN=15070.8
fwN=0.00
sdE=3373.8
fwE=0.00
20200731T122620.0001.fits
SecZ=1.03
Focus=-4.348
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.153 -5.676 -1.215
T123=7.1 7.9 9.9
ALT/AZ=76.8 -109.8
sdW=5211.3
fwW=2.11
sdS=1807.9
fwS=2.59
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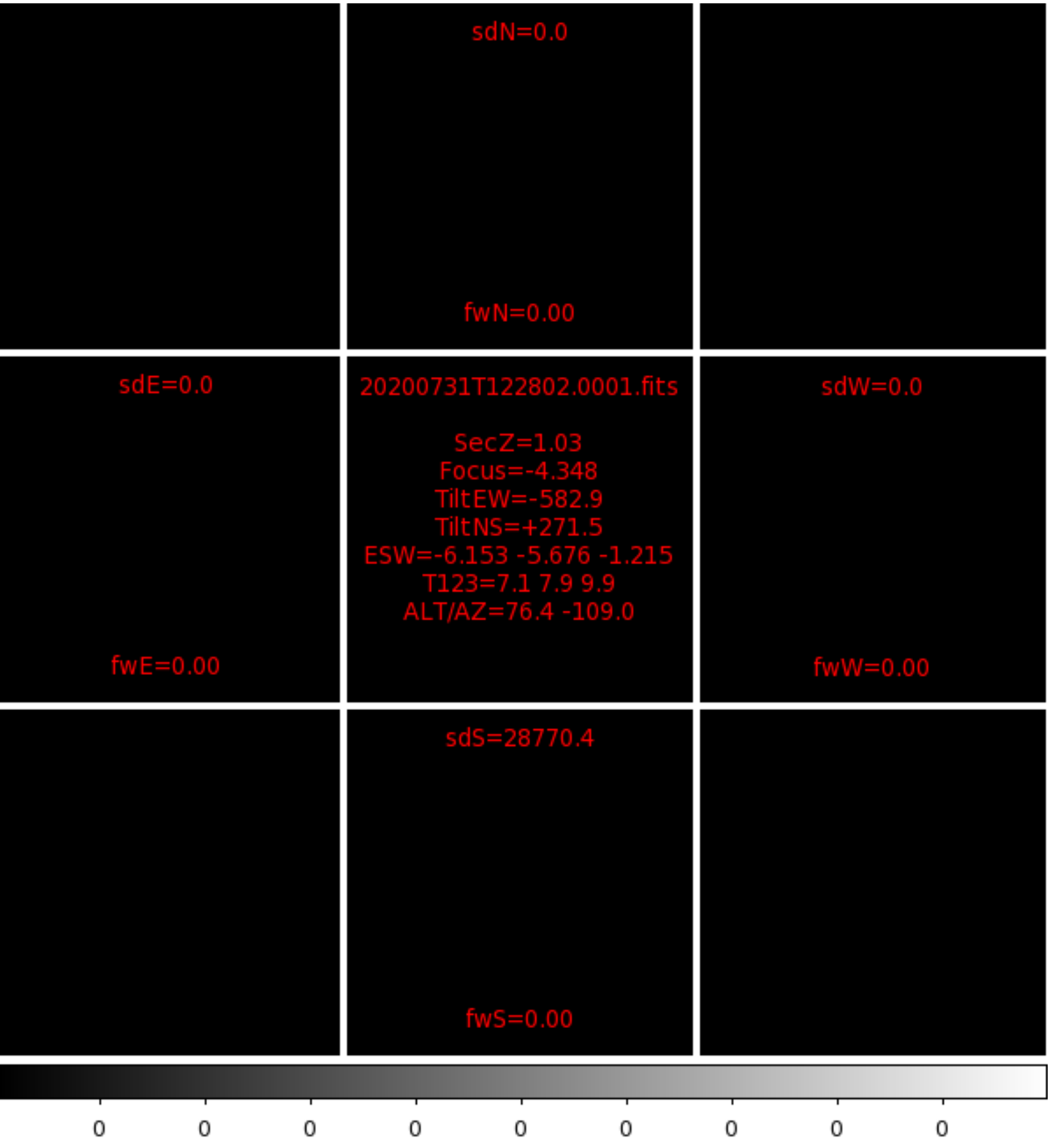
sdN=0.0
fwN=0.00
sdE=0.0
20200731T122802.0001.fits
SecZ=1.03
Focus=-4.348
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.153 -5.676 -1.215
T123=7.1 7.9 9.9
ALT/AZ=76.4 -109.0
sdW=0.0
fwE=0.00
fwW=0.00
sdS=28770.4
fwS=0.00
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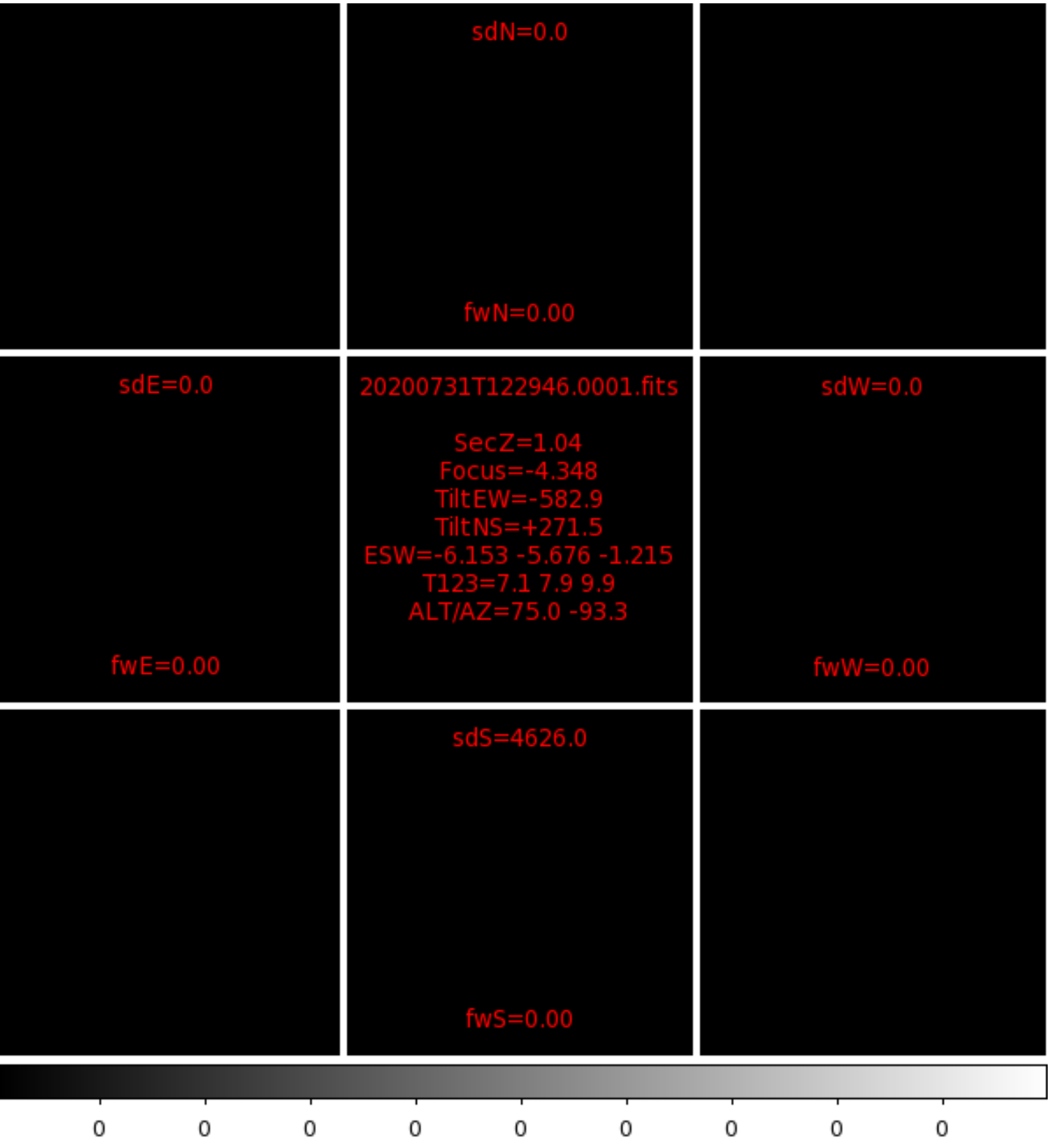
sdN=0.0
fwN=0.00
sdE=0.0
20200731T122946.0001.fits
SecZ=1.04
Focus=-4.348
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.153 -5.676 -1.215
T123=7.1 7.9 9.9
ALT/AZ=75.0 -93.3
sdW=0.0
fwE=0.00
fwW=0.00
sdS=4626.0
fwS=0.00
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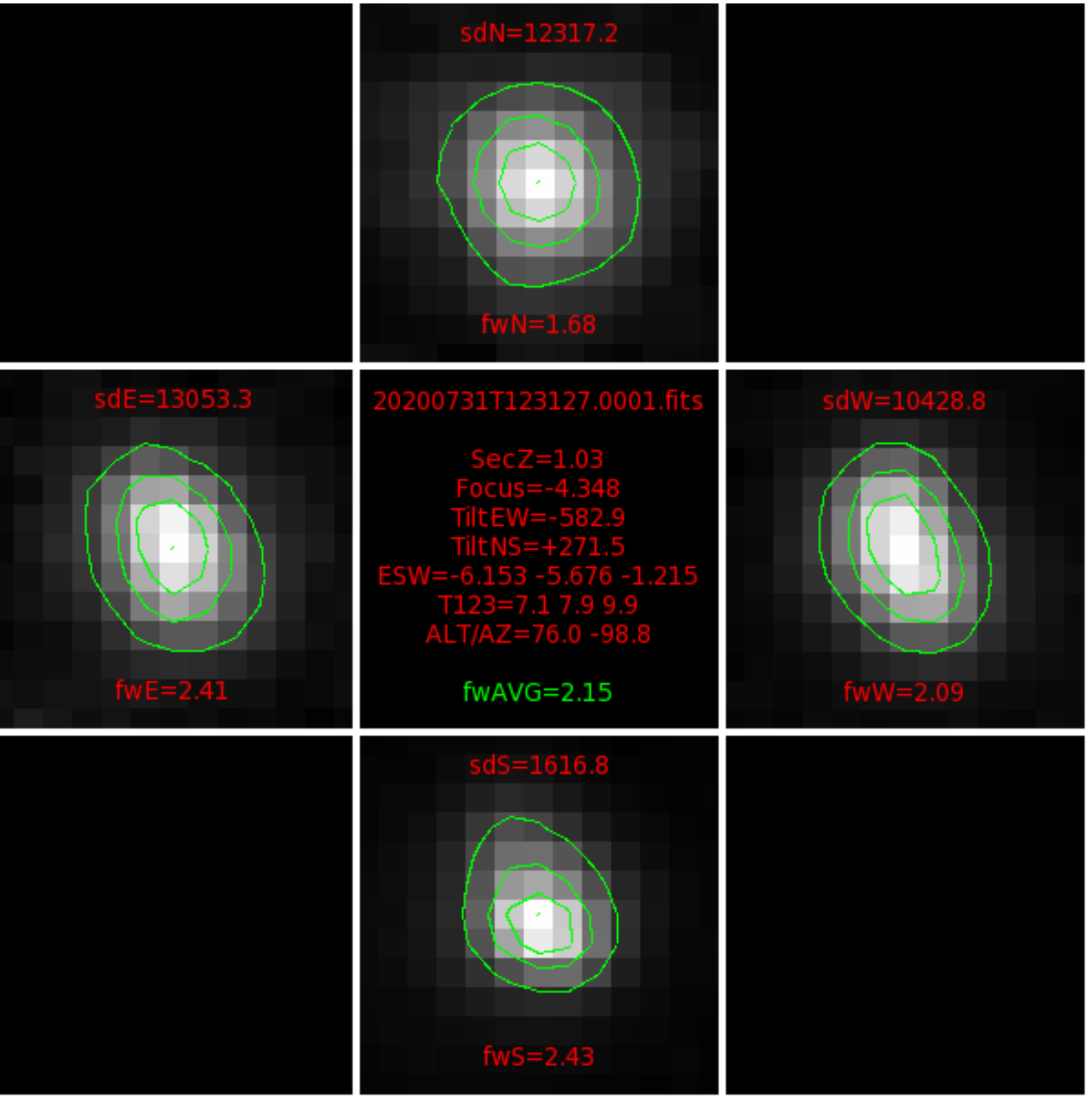
sdN=12317.2
fwN=1.68
sdE=13053.3
fwE=2.41
20200731T123127.0001.fits
SecZ=1.03
Focus=-4.348
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.153 -5.676 -1.215
T123=7.1 7.9 9.9
ALT/AZ=76.0 -98.8
fwAVG=2.15
sdW=10428.8
fwW=2.09
sdS=1616.8
fwS=2.43
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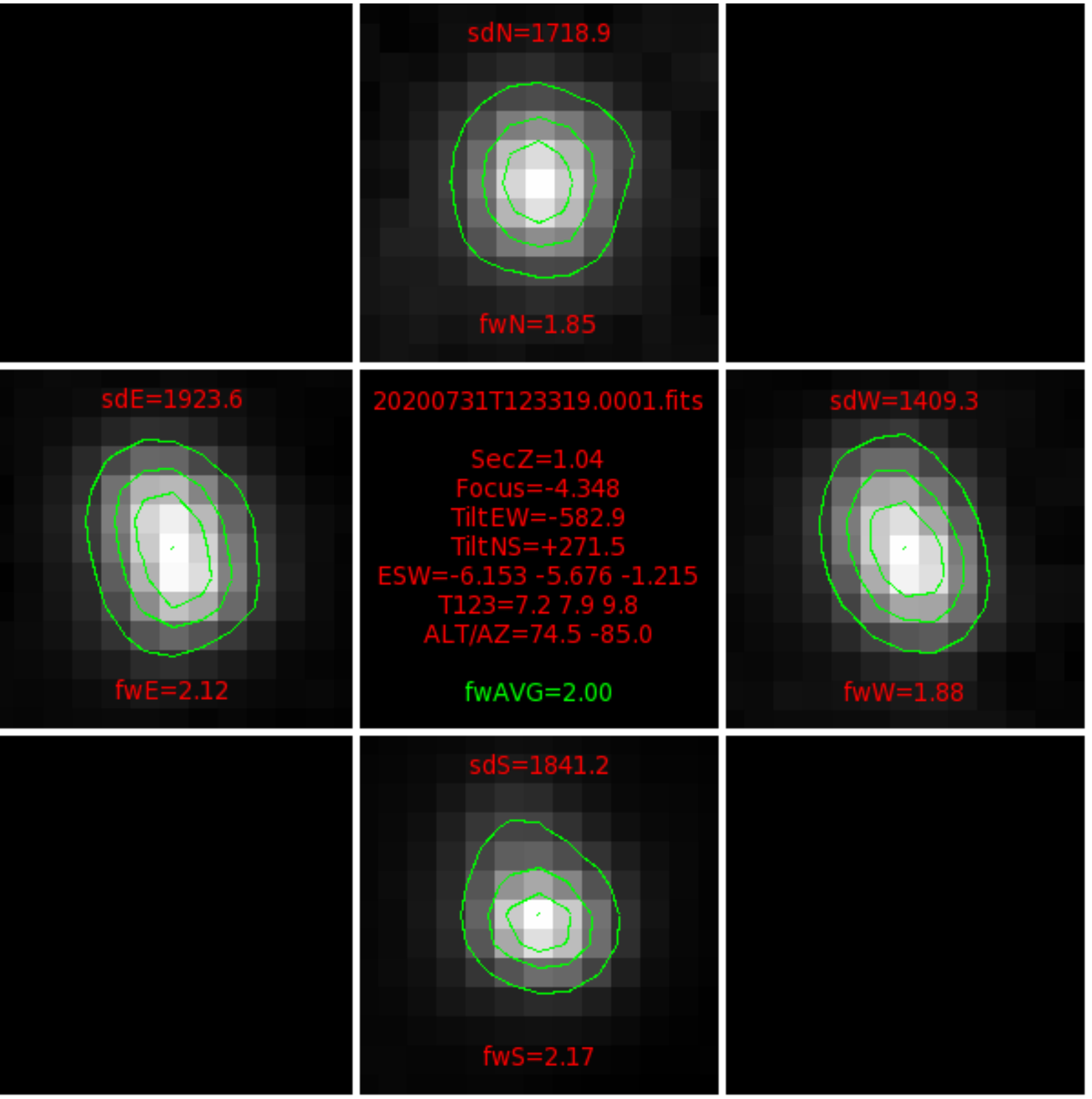
sdN=1718.9
fwN=1.85
sdE=1923.6
fwE=2.12
20200731T123319.0001.fits
SecZ=1.04
Focus=-4.348
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.153 -5.676 -1.215
T123=7.2 7.9 9.8
ALT/AZ=74.5 -85.0
fwAVG=2.00
sdW=1409.3
fwW=1.88
sdS=1841.2
fwS=2.17
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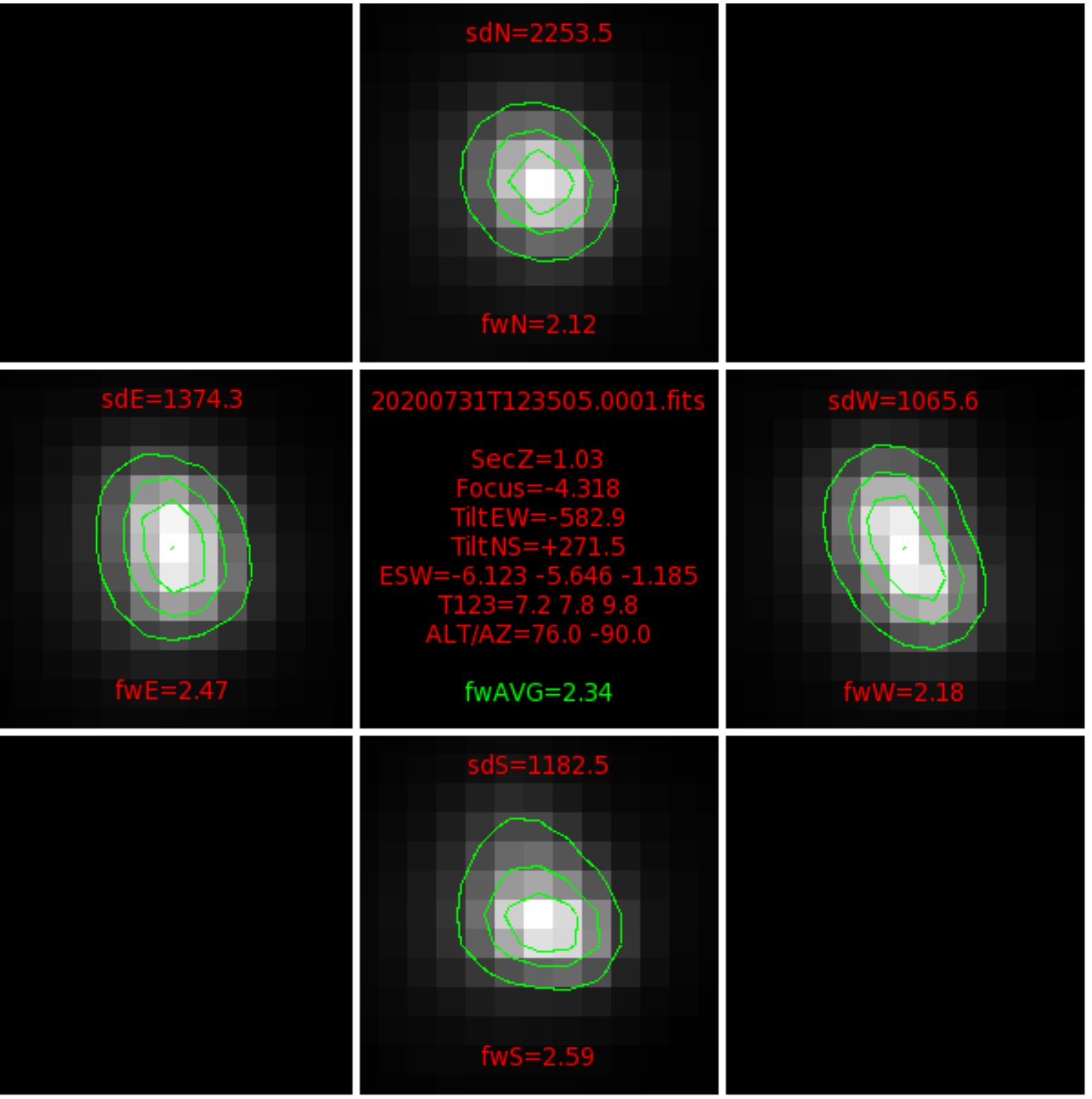
sdN=2253.5
fwN=2.12
sdE=1374.3
fwE=2.47
20200731T123505.0001.fits
SecZ=1.03
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=7.2 7.8 9.8
ALT/AZ=76.0 -90.0
fwAVG=2.34
sdW=1065.6
fwW=2.18
sdS=1182.5
fwS=2.59
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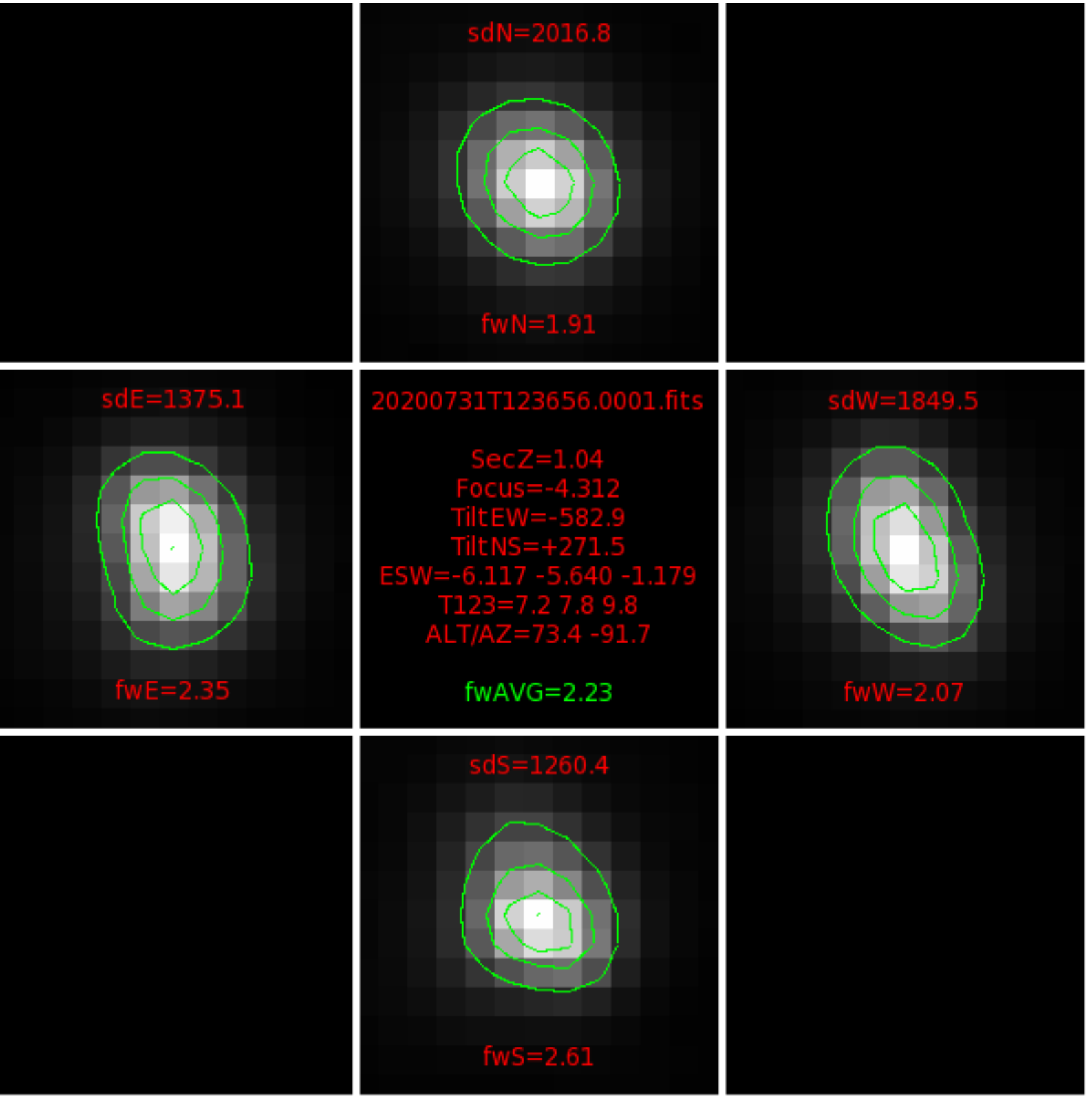
sdN=2016.8
fwN=1.91
sdE=1375.1
fwE=2.35
20200731T123656.0001.fits
SecZ=1.04
Focus=-4.312
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.117 -5.640 -1.179
T123=7.2 7.8 9.8
ALT/AZ=73.4 -91.7
fwAVG=2.23
sdW=1849.5
fwW=2.07
sdS=1260.4
fwS=2.61
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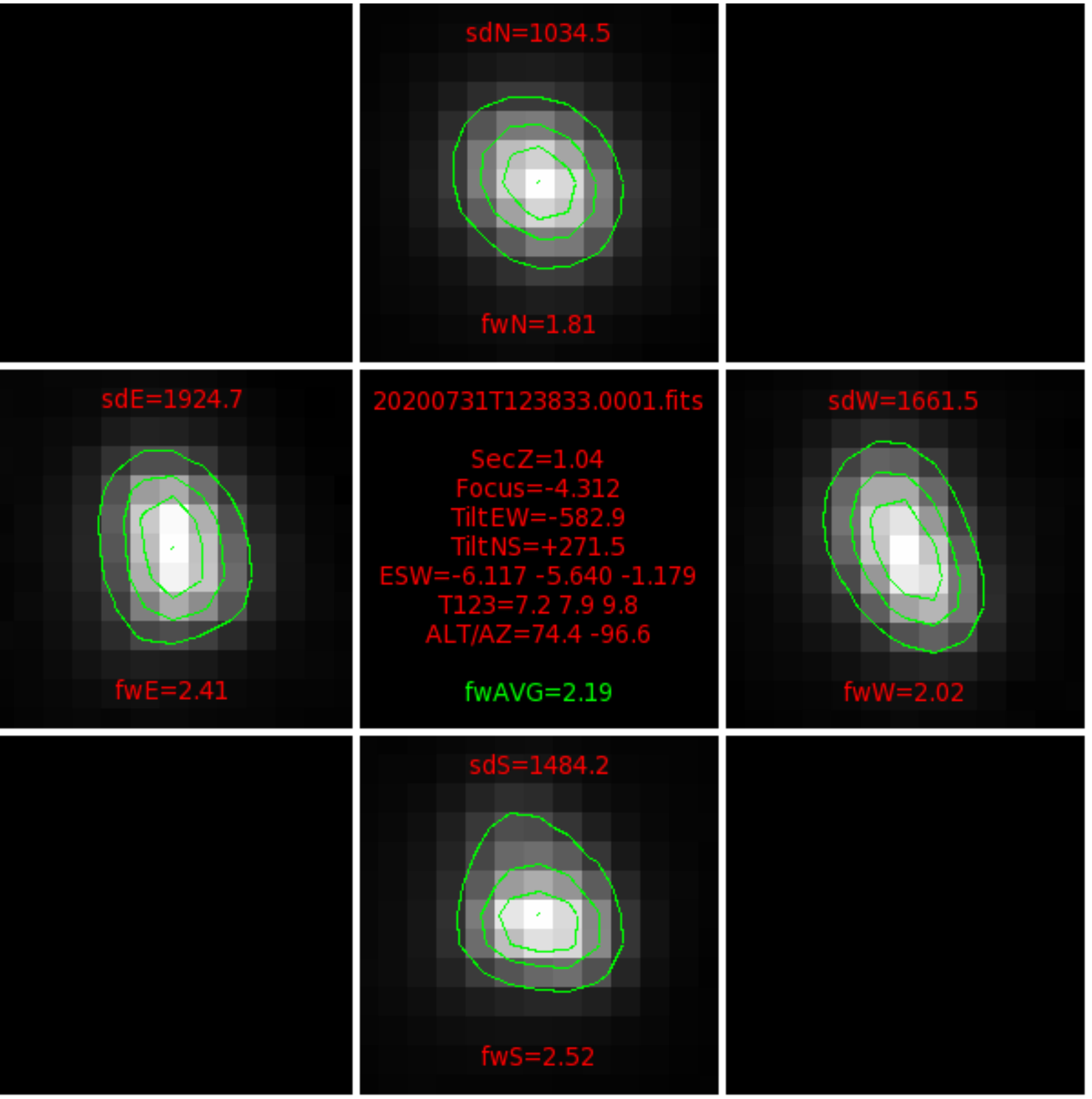
sdN=1034.5
fwN=1.81
sdE=1924.7
fwE=2.41
20200731T123833.0001.fits
SecZ=1.04
Focus=-4.312
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.117 -5.640 -1.179
T123=7.2 7.9 9.8
ALT/AZ=74.4 -96.6
fwAVG=2.19
sdW=1661.5
fwW=2.02
sdS=1484.2
fwS=2.52
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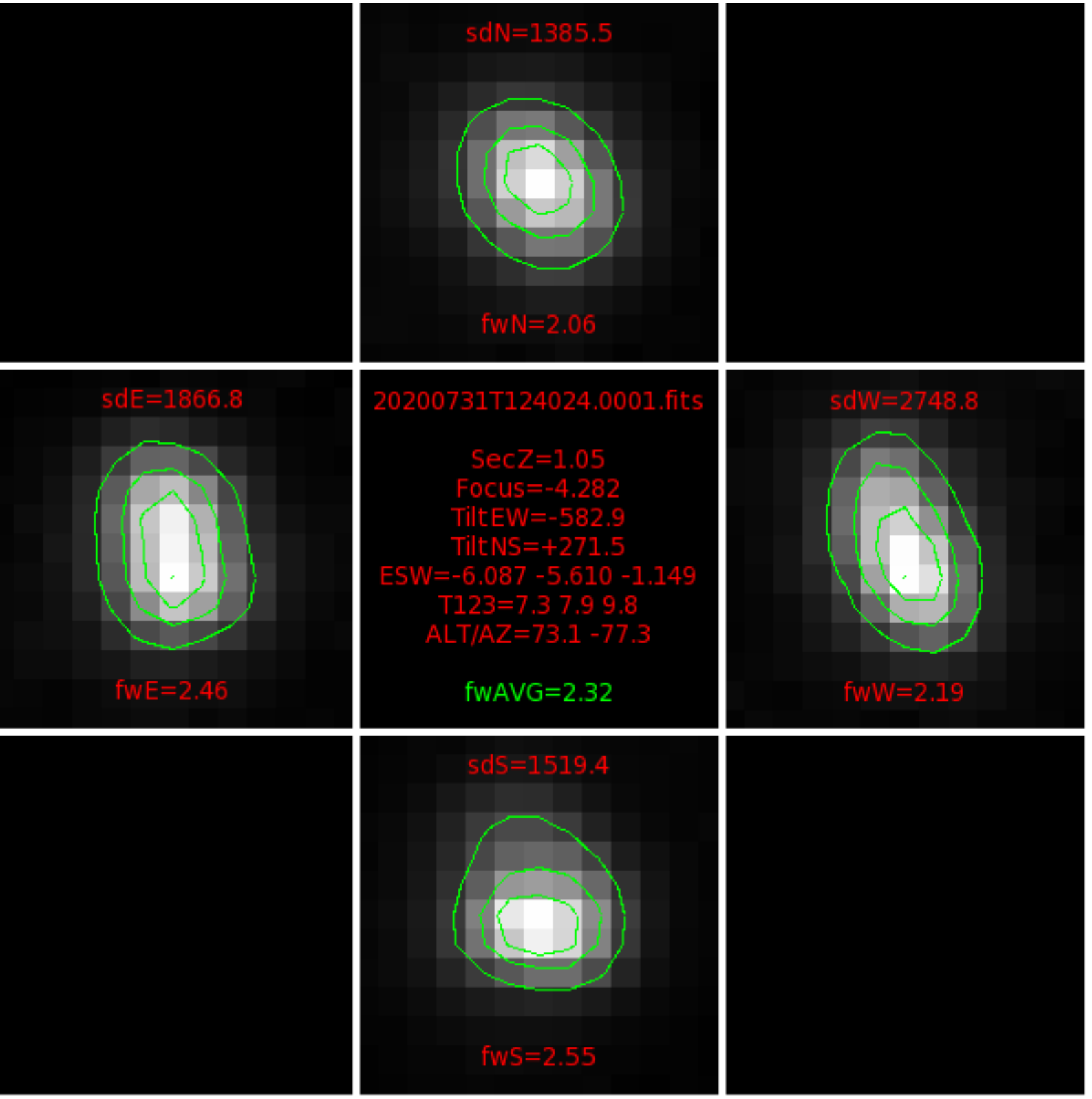
sdN=1385.5
fwN=2.06
sdE=1866.8
fwE=2.46
20200731T124024.0001.fits
SecZ=1.05
Focus=-4.282
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.087 -5.610 -1.149
T123=7.3 7.9 9.8
ALT/AZ=73.1 -77.3
fwAVG=2.32
sdW=2748.8
fwW=2.19
sdS=1519.4
fwS=2.55
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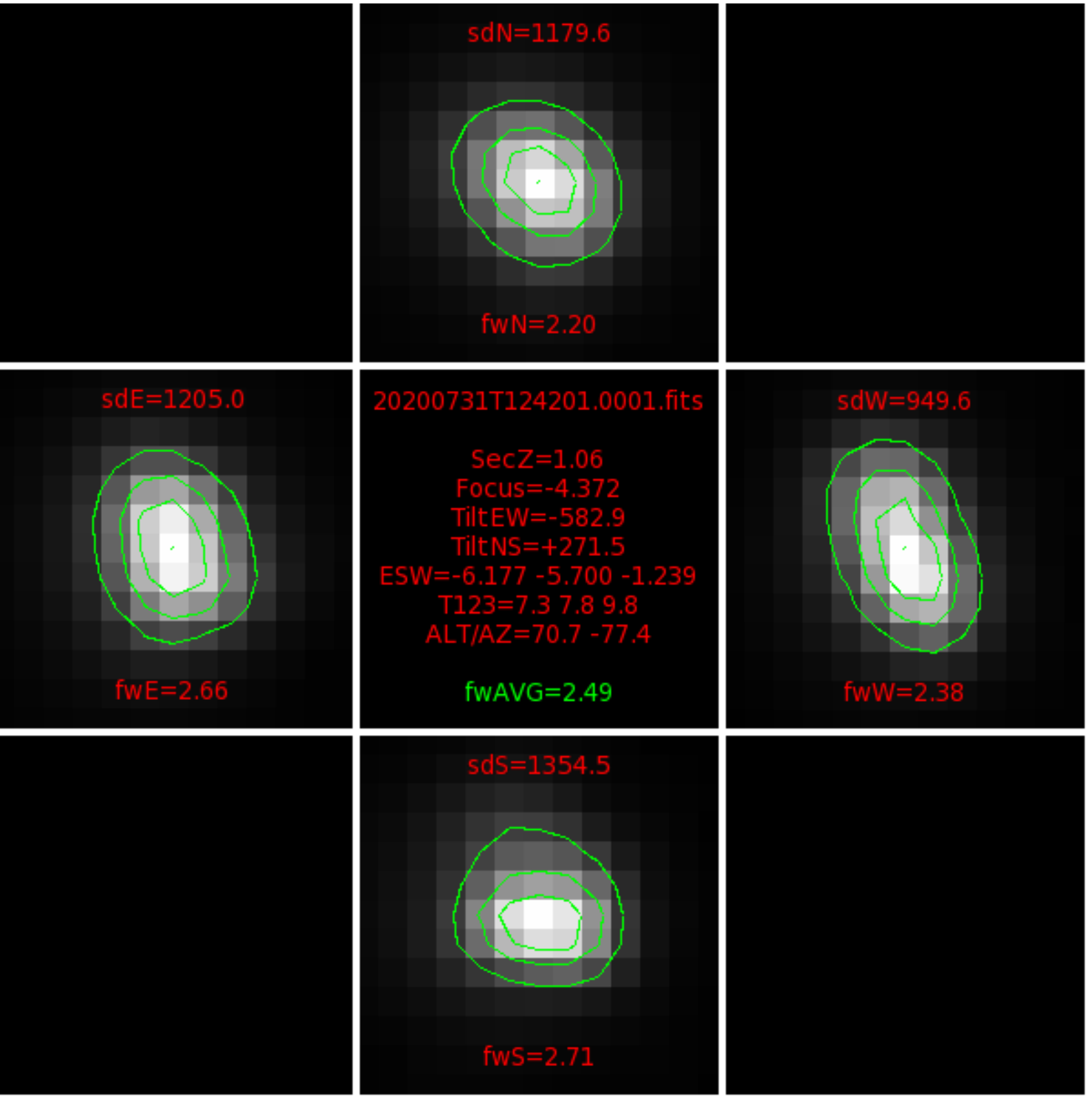
sdN=1179.6
fwN=2.20
sdE=1205.0
fwE=2.66
20200731T124201.0001.fits
SecZ=1.06
Focus=-4.372
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.177 -5.700 -1.239
T123=7.3 7.8 9.8
ALT/AZ=70.7 -77.4
fwAVG=2.49
sdW=949.6
fwW=2.38
sdS=1354.5
fwS=2.71
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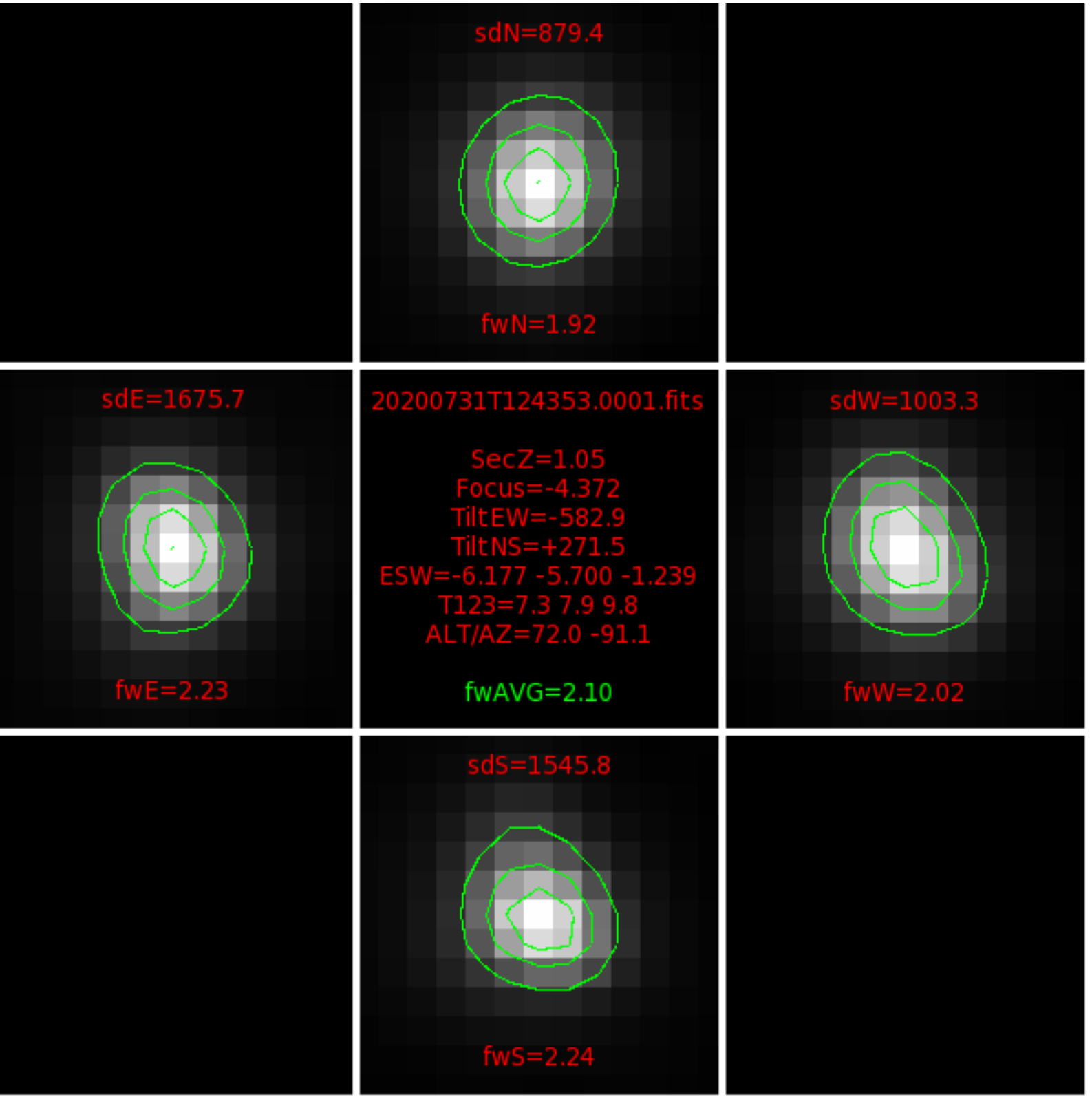
sdN=879.4
fwN=1.92
sdE=1675.7
fwE=2.23
20200731T124353.0001.fits
SecZ=1.05
Focus=-4.372
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.177 -5.700 -1.239
T123=7.3 7.9 9.8
ALT/AZ=72.0 -91.1
fwAVG=2.10
sdW=1003.3
fwW=2.02
sdS=1545.8
fwS=2.24
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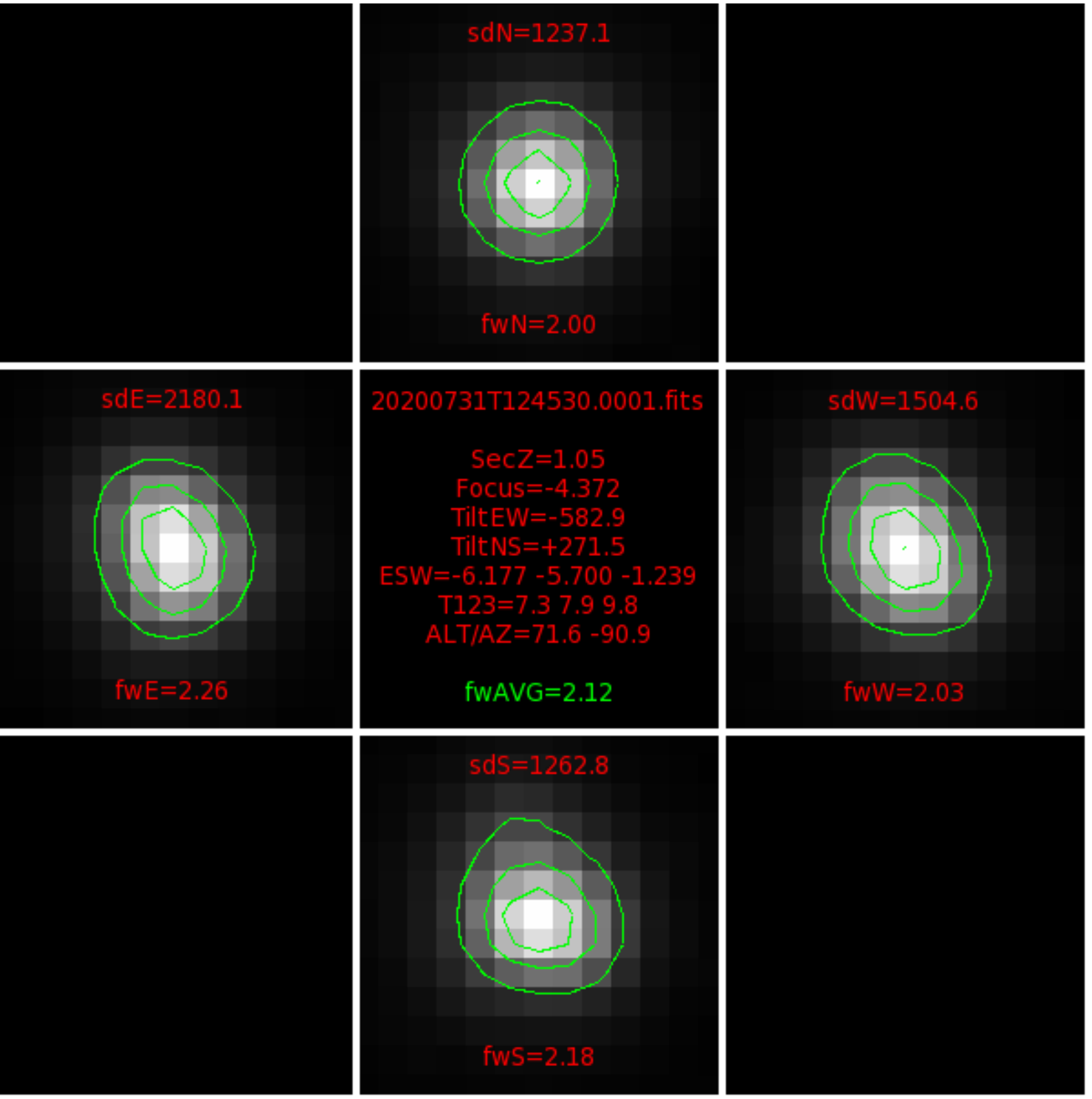
sdN=1237.1
fwN=2.00
sdE=2180.1
fwE=2.26
20200731T124530.0001.fits
SecZ=1.05
Focus=-4.372
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.177 -5.700 -1.239
T123=7.3 7.9 9.8
ALT/AZ=71.6 -90.9
fwAVG=2.12
sdW=1504.6
fwW=2.03
sdS=1262.8
fwS=2.18
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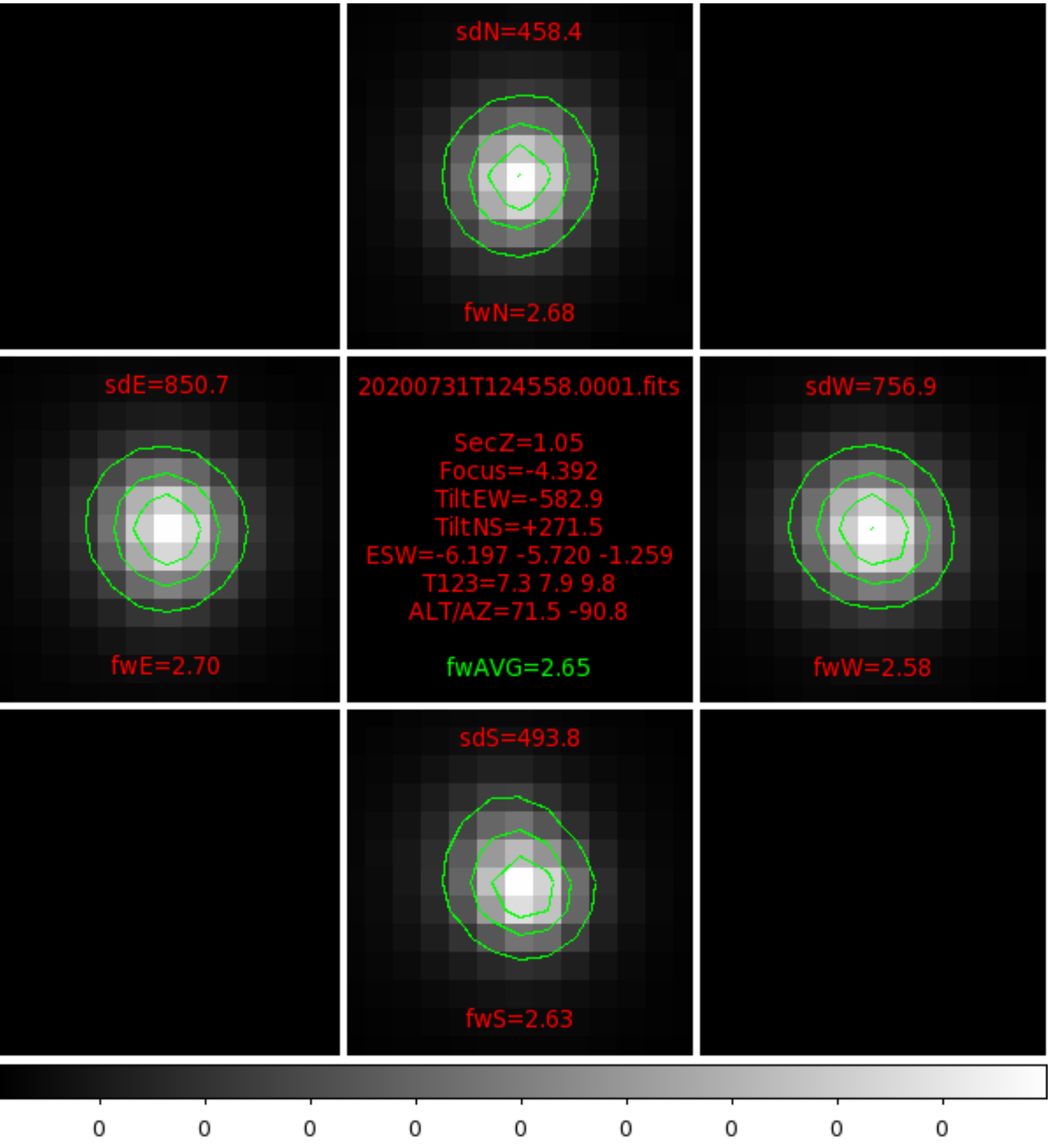
sdN=458.4
fwN=2.68
sdE=850.7
fwE=2.70
20200731T124558.0001.fits
SecZ=1.05
Focus=-4.392
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.197 -5.720 -1.259
T123=7.3 7.9 9.8
ALT/AZ=71.5 -90.8
fwAVG=2.65
sdW=756.9
fwW=2.58
sdS=493.8
fwS=2.63
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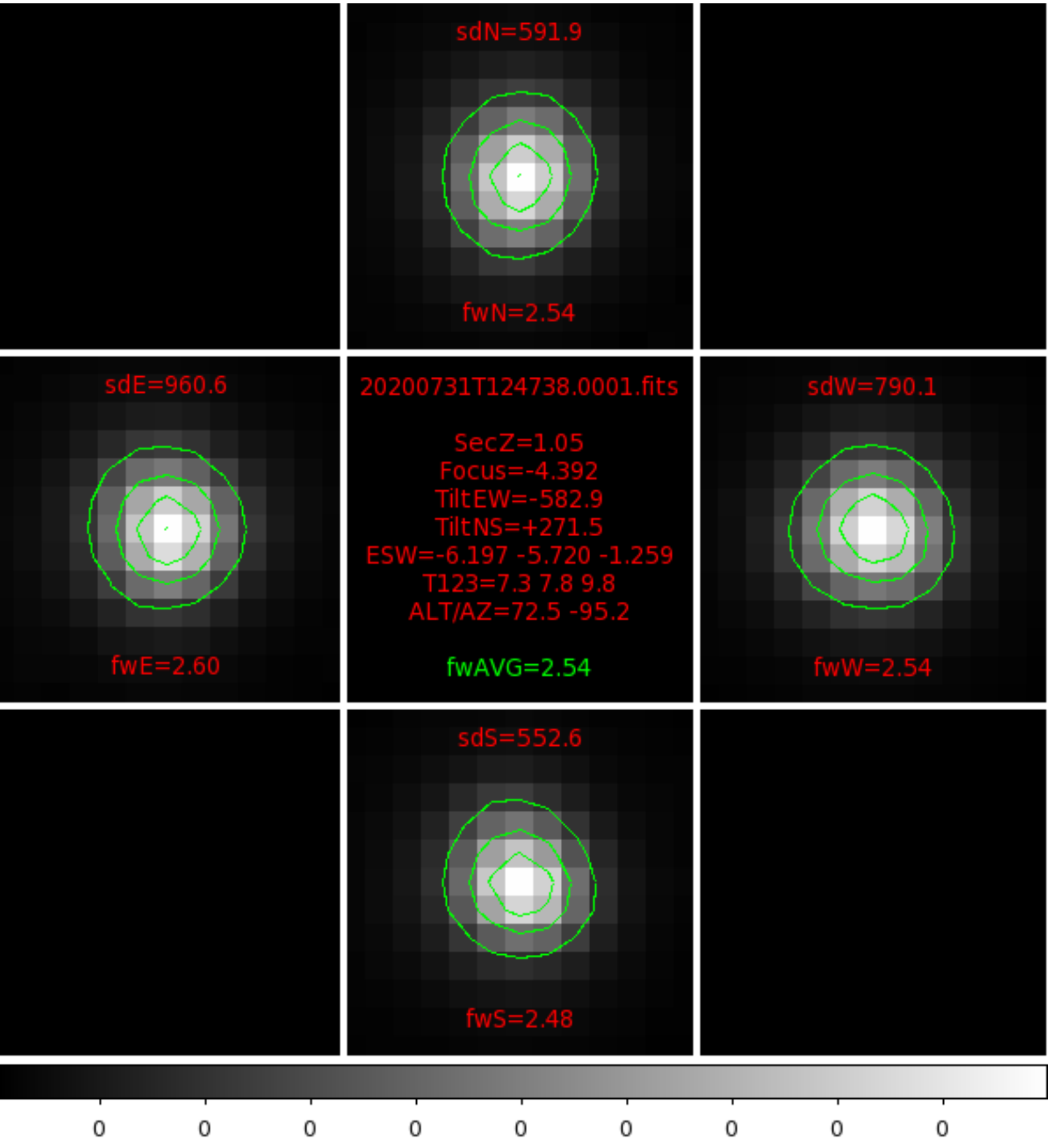
sdN=591.9
fwN=2.54
sdE=960.6
fwE=2.60
20200731T124738.0001.fits
SecZ=1.05
Focus=-4.392
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.197 -5.720 -1.259
T123=7.3 7.8 9.8
ALT/AZ=72.5 -95.2
fwAVG=2.54
sdW=790.1
fwW=2.54
sdS=552.6
fwS=2.48
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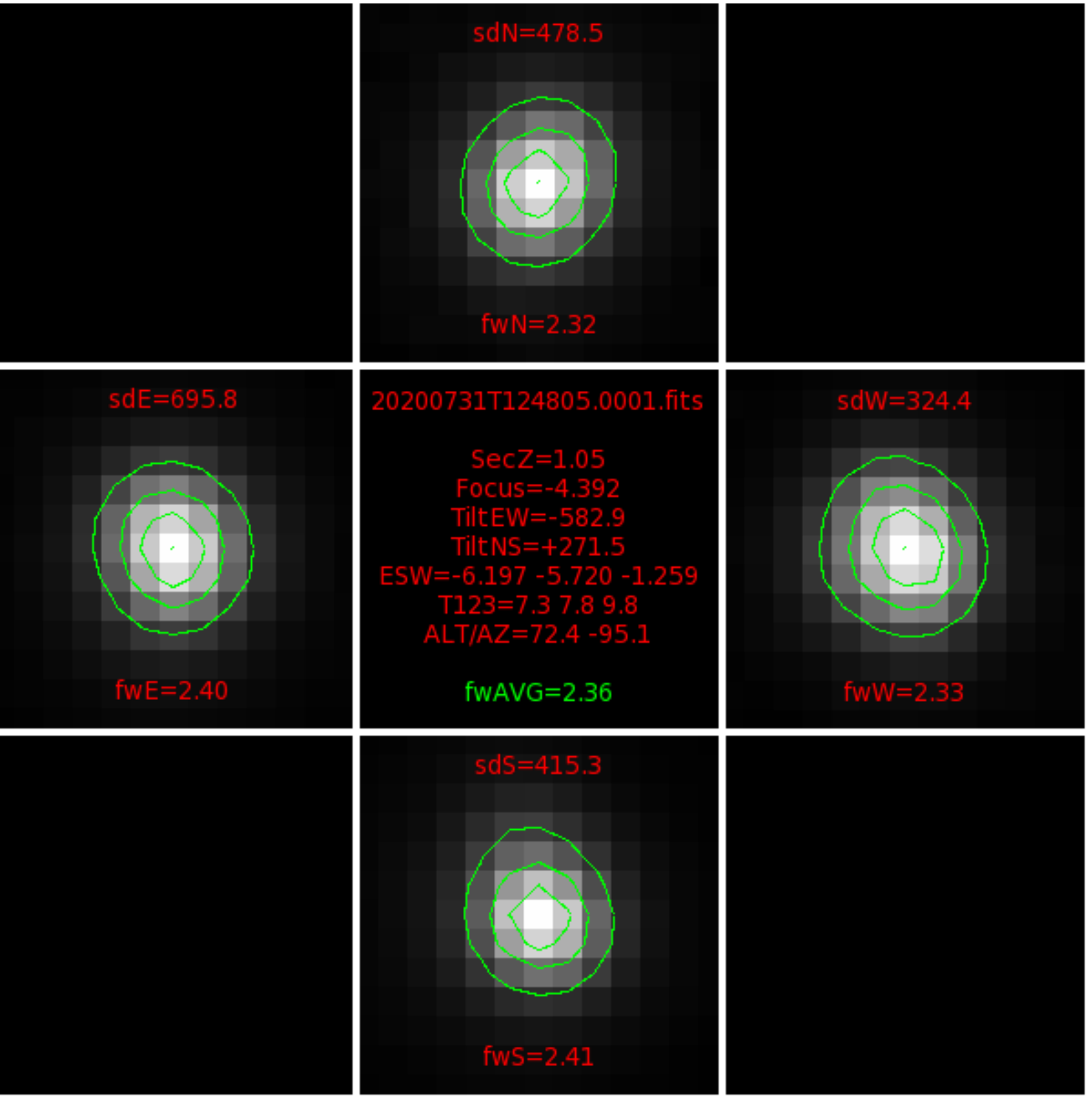
sdN=478.5
fwN=2.32
sdE=695.8
fwE=2.40
20200731T124805.0001.fits
SecZ=1.05
Focus=-4.392
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.197 -5.720 -1.259
T123=7.3 7.8 9.8
ALT/AZ=72.4 -95.1
fwAVG=2.36
sdW=324.4
fwW=2.33
sdS=415.3
fwS=2.41
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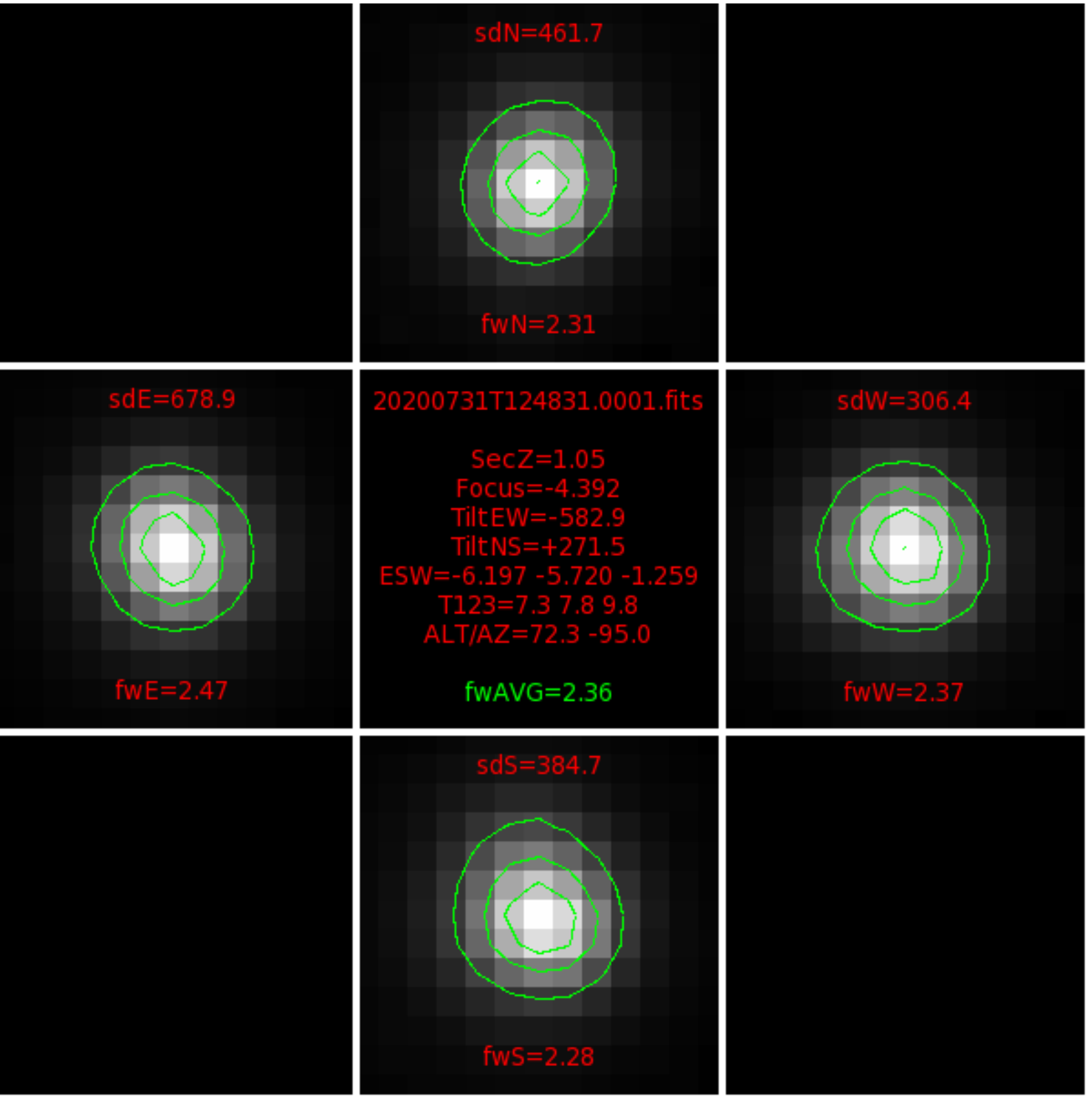
sdN=461.7
fwN=2.31
sdE=678.9
fwE=2.47
20200731T124831.0001.fits
SecZ=1.05
Focus=-4.392
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.197 -5.720 -1.259
T123=7.3 7.8 9.8
ALT/AZ=72.3 -95.0
fwAVG=2.36
sdW=306.4
fwW=2.37
sdS=384.7
fwS=2.28
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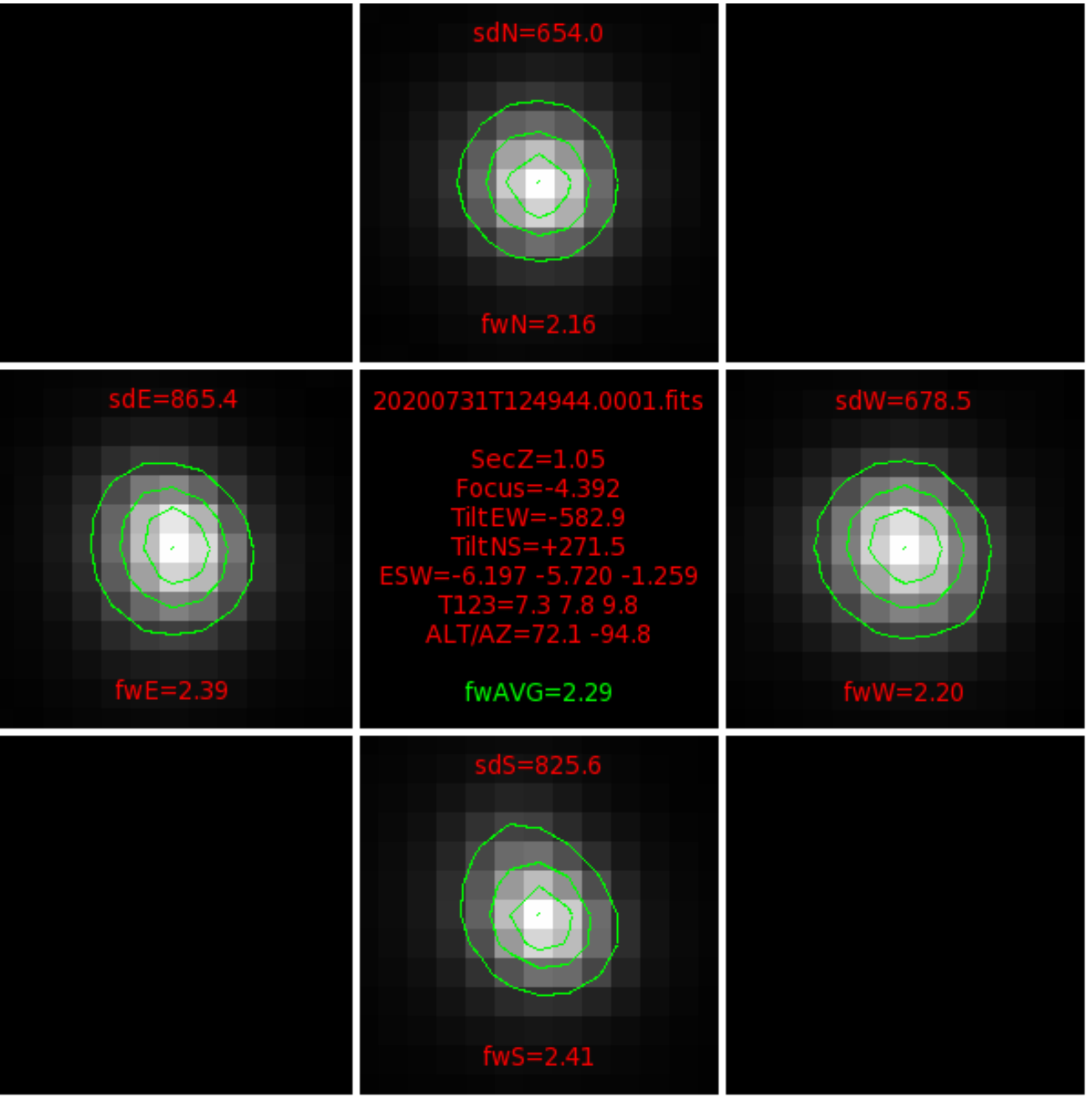
sdN=654.0
fwN=2.16
sdE=865.4
fwE=2.39
20200731T124944.0001.fits
SecZ=1.05
Focus=-4.392
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.197 -5.720 -1.259
T123=7.3 7.8 9.8
ALT/AZ=72.1 -94.8
fwAVG=2.29
sdW=678.5
fwW=2.20
sdS=825.6
fwS=2.41
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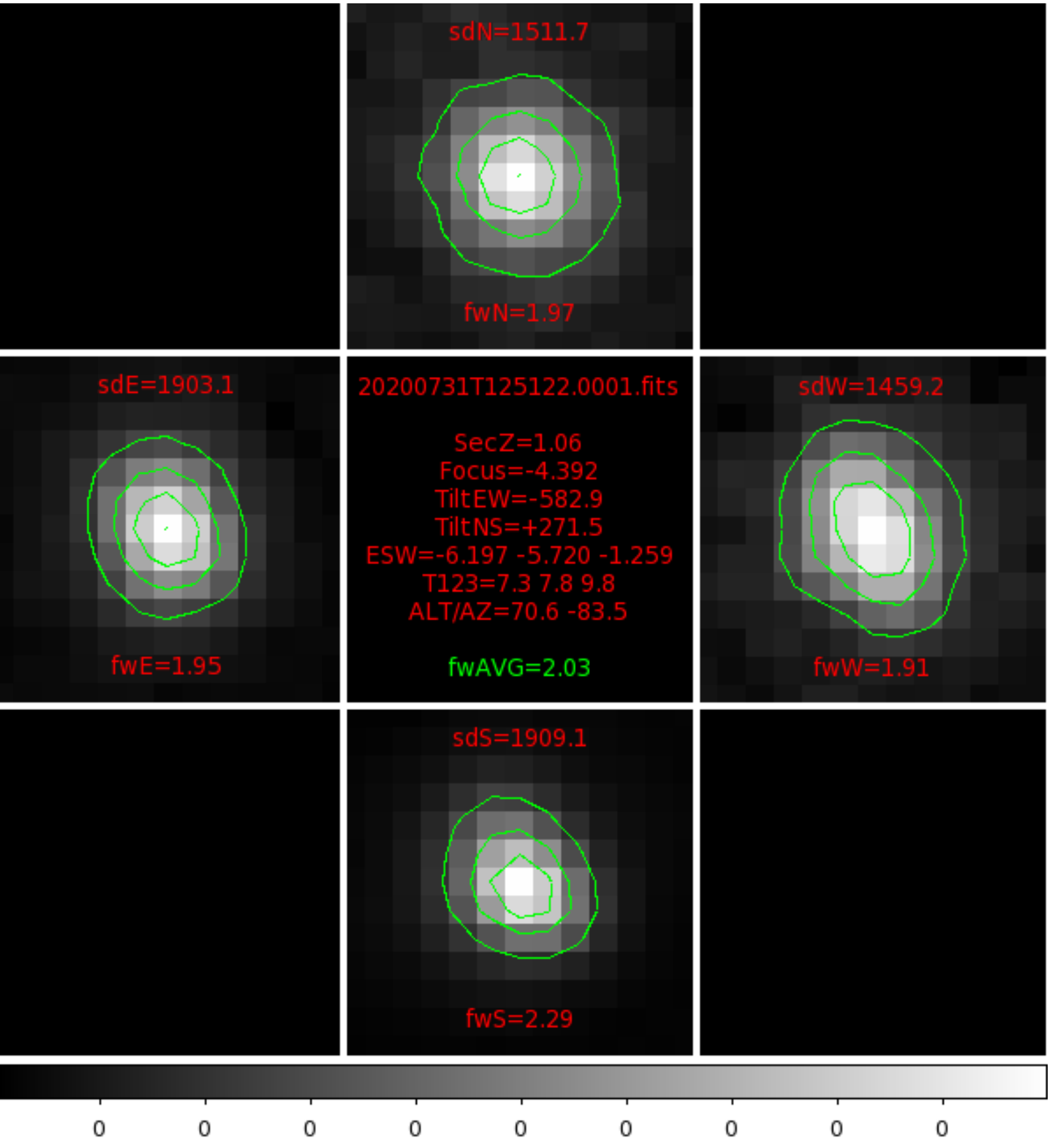
sdN=1511.7
fwN=1.97
sdE=1903.1
fwE=1.95
20200731T125122.0001.fits
SecZ=1.06
Focus=-4.392
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.197 -5.720 -1.259
T123=7.3 7.8 9.8
ALT/AZ=70.6 -83.5
fwAVG=2.03
sdW=1459.2
fwW=1.91
sdS=1909.1
fwS=2.29
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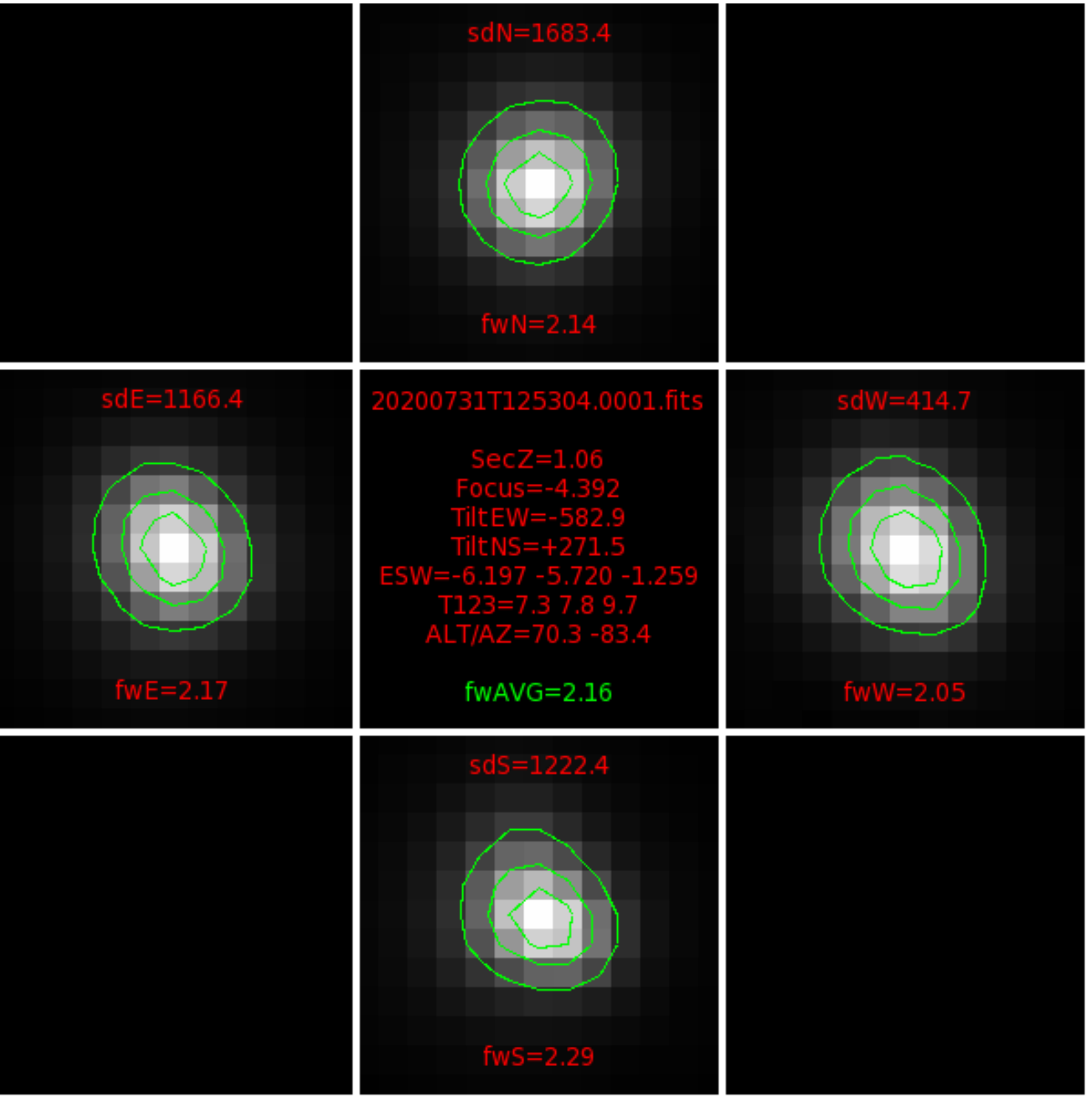
sdN=1683.4
fwN=2.14
sdE=1166.4
fwE=2.17
20200731T125304.0001.fits
SecZ=1.06
Focus=-4.392
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.197 -5.720 -1.259
T123=7.3 7.8 9.7
ALT/AZ=70.3 -83.4
fwAVG=2.16
sdW=414.7
fwW=2.05
sdS=1222.4
fwS=2.29
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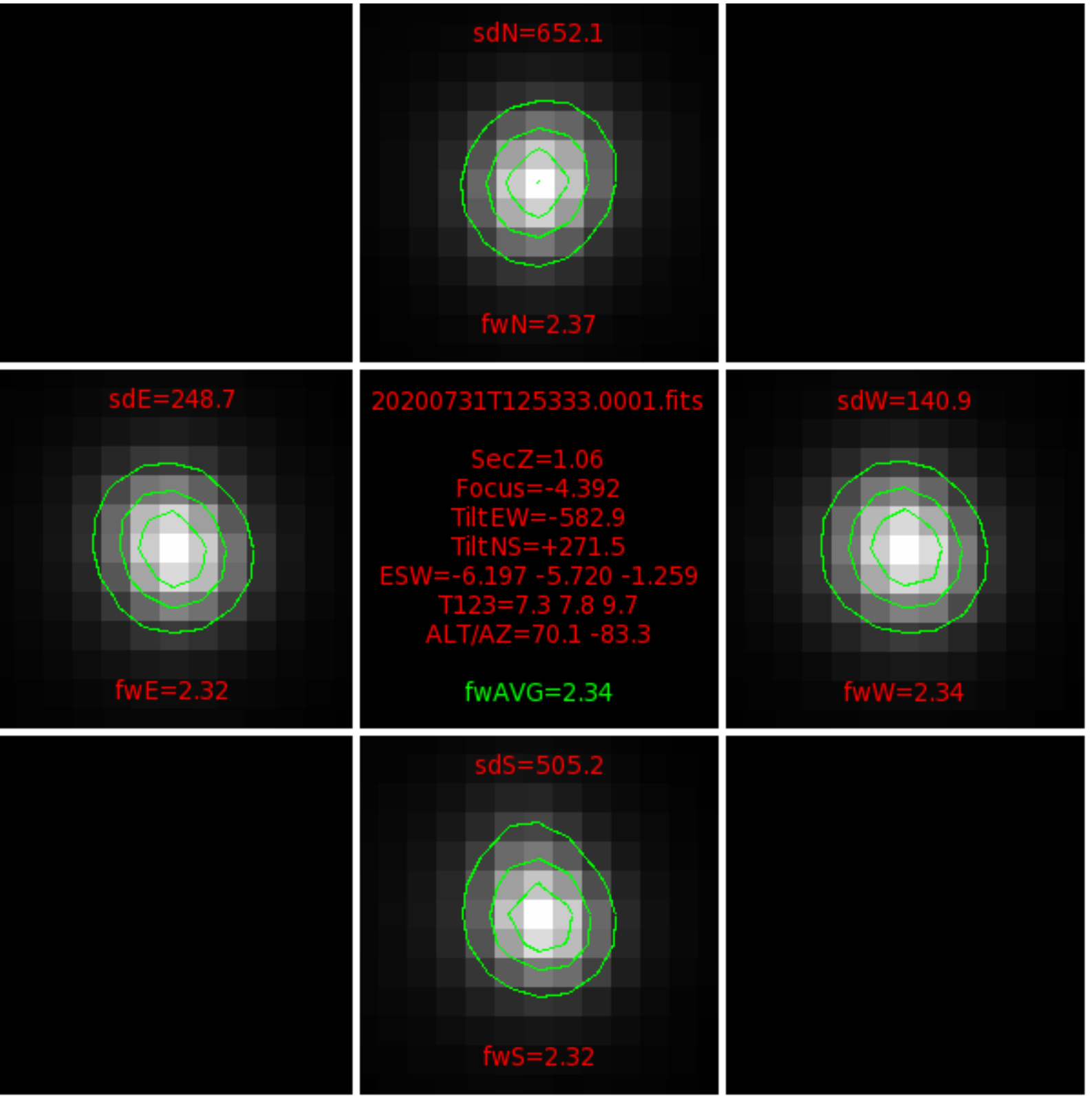
sdN=652.1
fwN=2.37
sdE=248.7
fwE=2.32
20200731T125333.0001.fits
SecZ=1.06
Focus=-4.392
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.197 -5.720 -1.259
T123=7.3 7.8 9.7
ALT/AZ=70.1 -83.3
fwAVG=2.34
sdW=140.9
fwW=2.34
sdS=505.2
fwS=2.32
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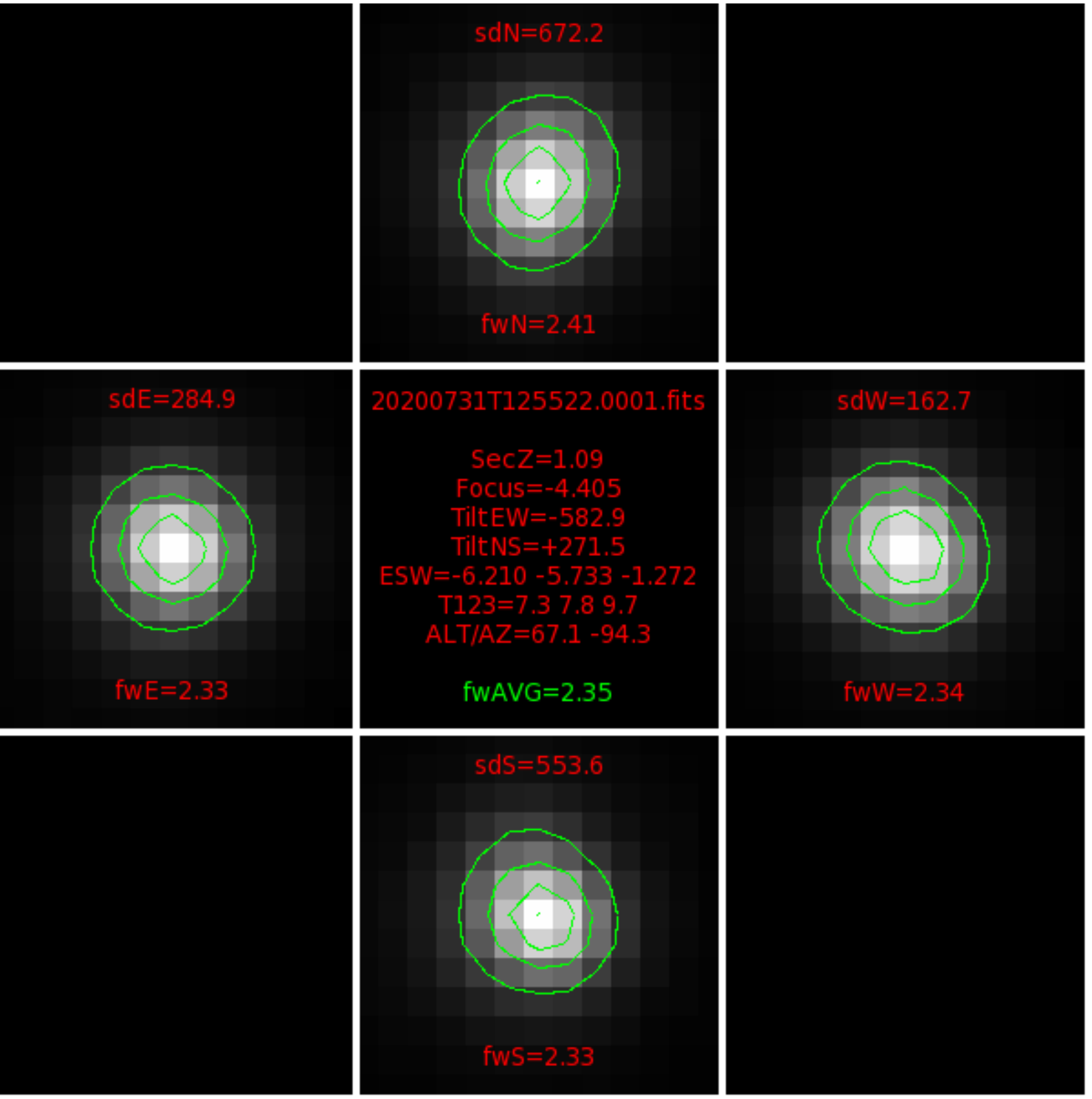
sdN=672.2
fwN=2.41
sdE=284.9
fwE=2.33
20200731T125522.0001.fits
SecZ=1.09
Focus=-4.405
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.210 -5.733 -1.272
T123=7.3 7.8 9.7
ALT/AZ=67.1 -94.3
fwAVG=2.35
sdW=162.7
fwW=2.34
sdS=553.6
fwS=2.33
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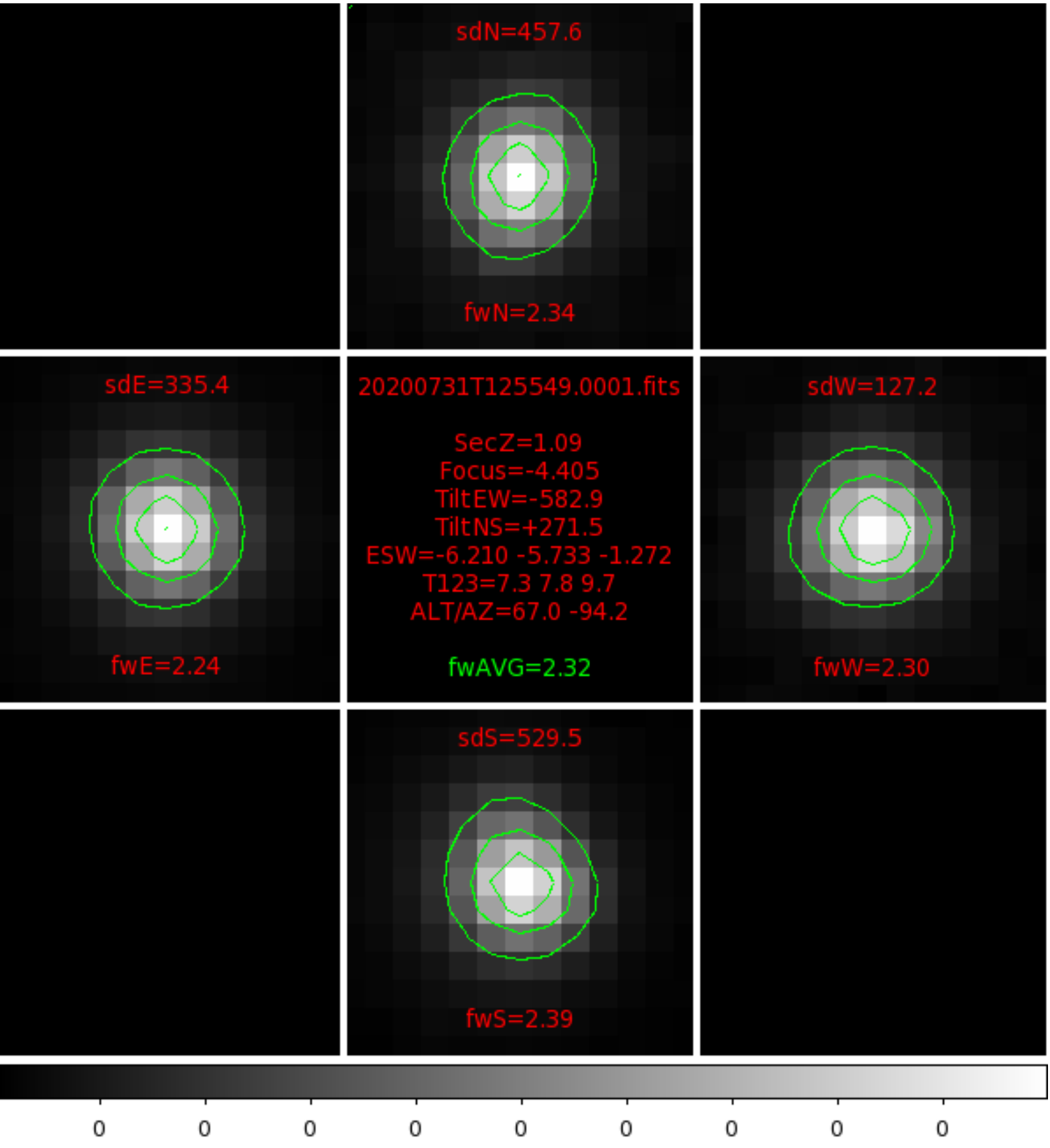
sdN=457.6
fwN=2.34
sdE=335.4
fwE=2.24
20200731T125549.0001.fits
SecZ=1.09
Focus=-4.405
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.210 -5.733 -1.272
T123=7.3 7.8 9.7
ALT/AZ=67.0 -94.2
fwAVG=2.32
sdW=127.2
fwW=2.30
sdS=529.5
fwS=2.39
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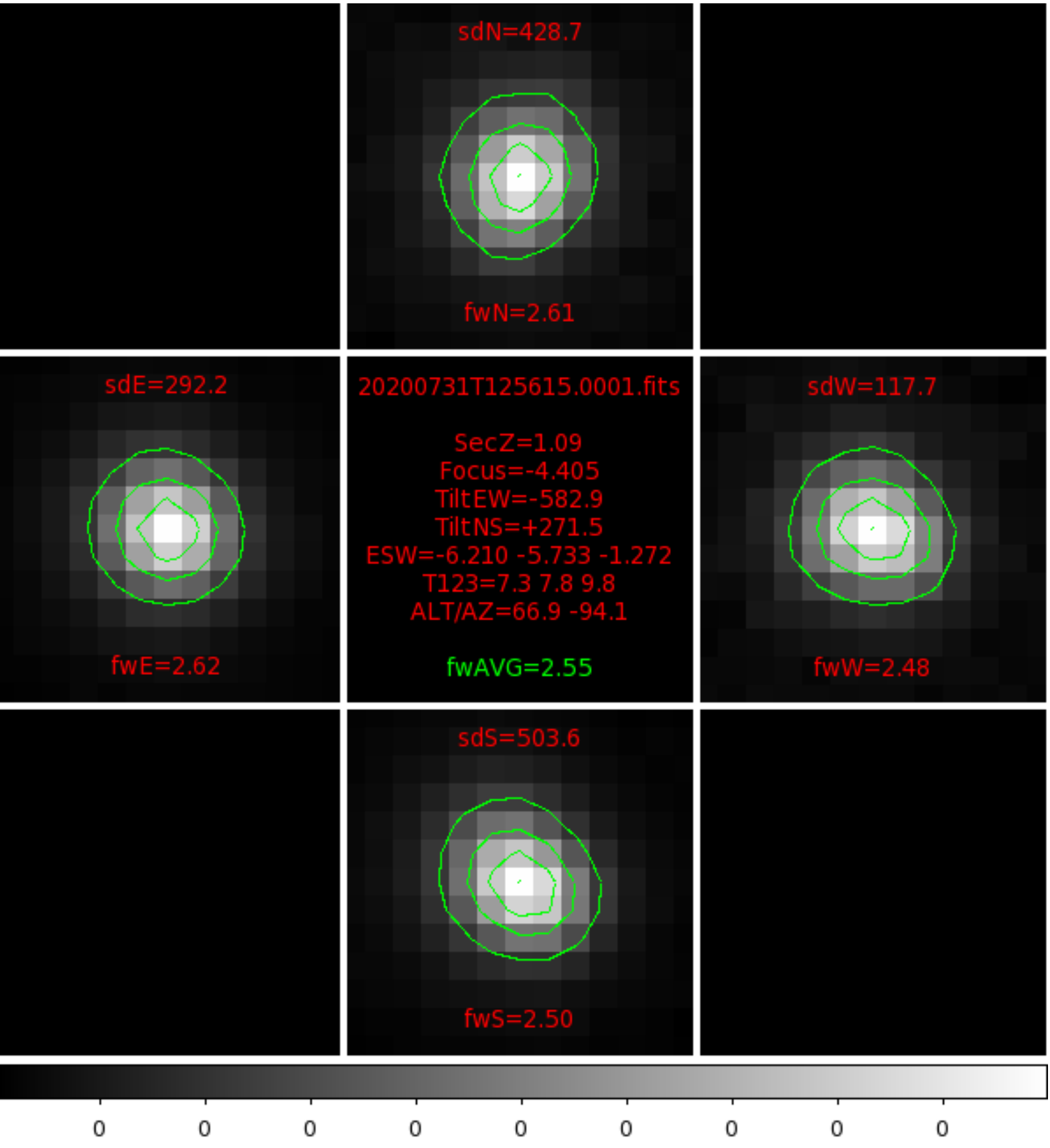
sdN=428.7
fwN=2.61
sdE=292.2
fwE=2.62
20200731T125615.0001.fits
SecZ=1.09
Focus=-4.405
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.210 -5.733 -1.272
T123=7.3 7.8 9.8
ALT/AZ=66.9 -94.1
fwAVG=2.55
sdW=117.7
fwW=2.48
sdS=503.6
fwS=2.50
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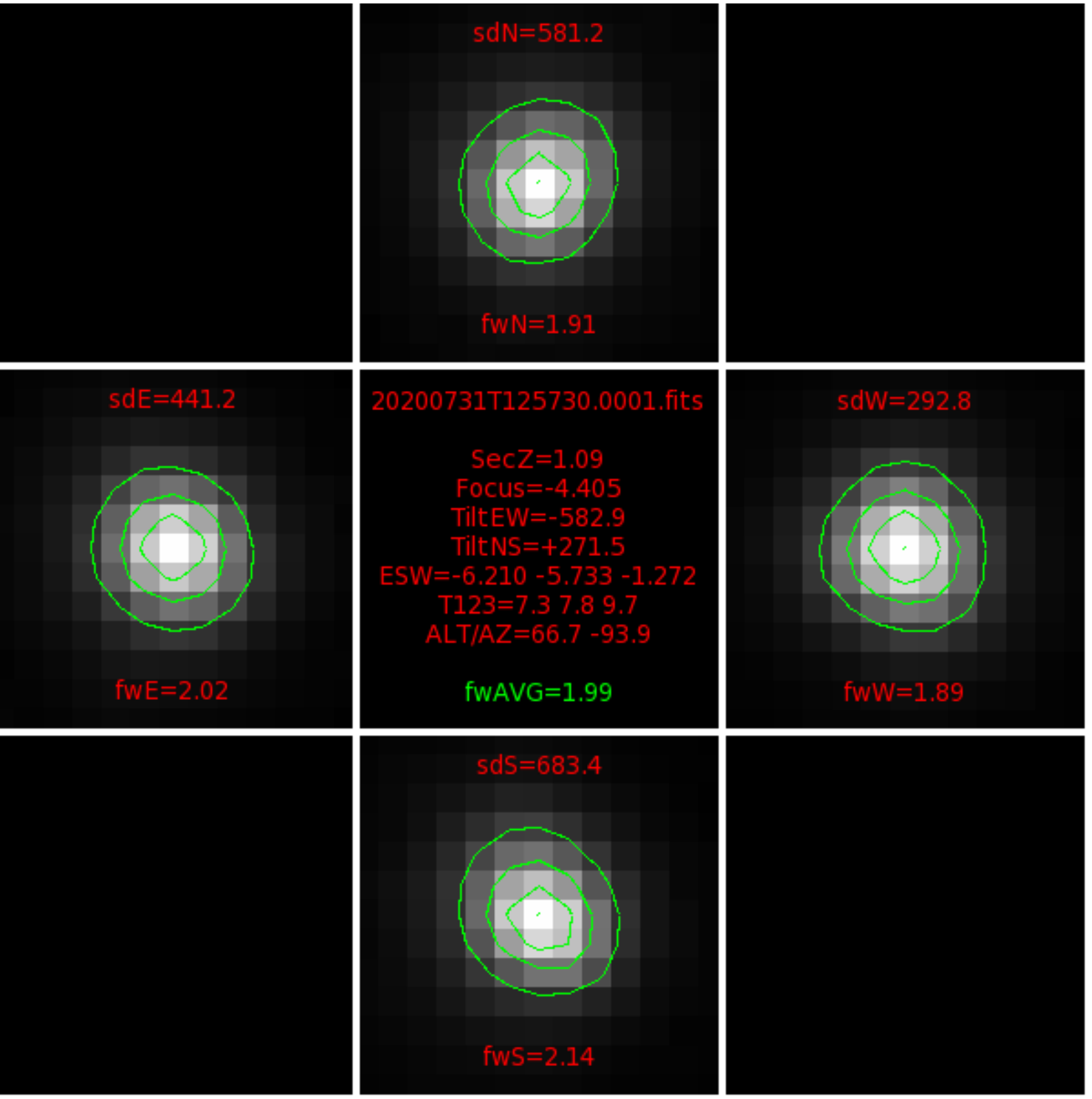
sdN=581.2
fwN=1.91
sdE=441.2
fwE=2.02
20200731T125730.0001.fits
SecZ=1.09
Focus=-4.405
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.210 -5.733 -1.272
T123=7.3 7.8 9.7
ALT/AZ=66.7 -93.9
fwAVG=1.99
sdW=292.8
fwW=1.89
sdS=683.4
fwS=2.14
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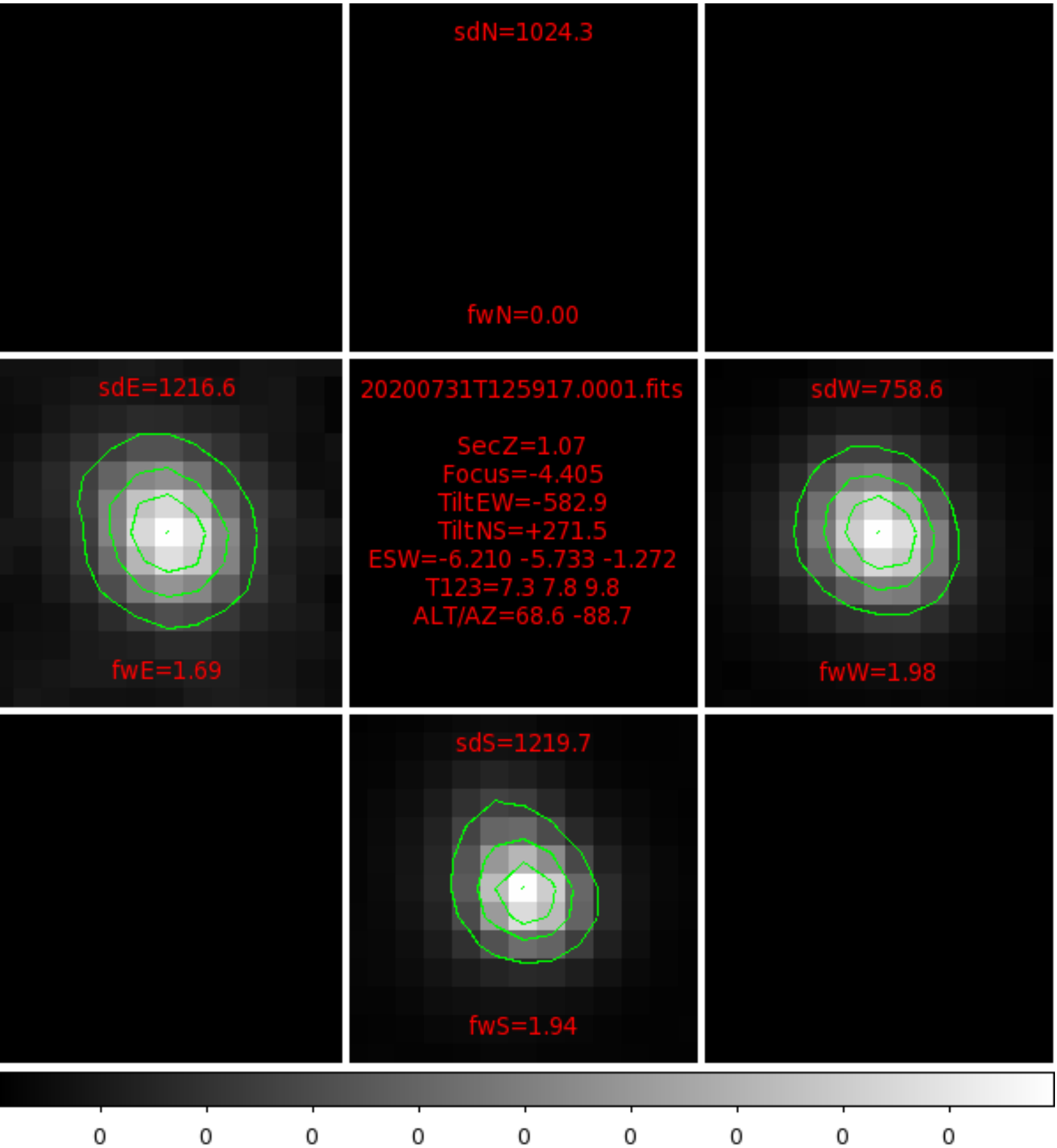
sdN=1024.3
fwN=0.00
sdE=1216.6
fwE=1.69
20200731T125917.0001.fits
SecZ=1.07
Focus=-4.405
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.210 -5.733 -1.272
T123=7.3 7.8 9.8
ALT/AZ=68.6 -88.7
sdW=758.6
fwW=1.98
sdS=1219.7
fwS=1.94
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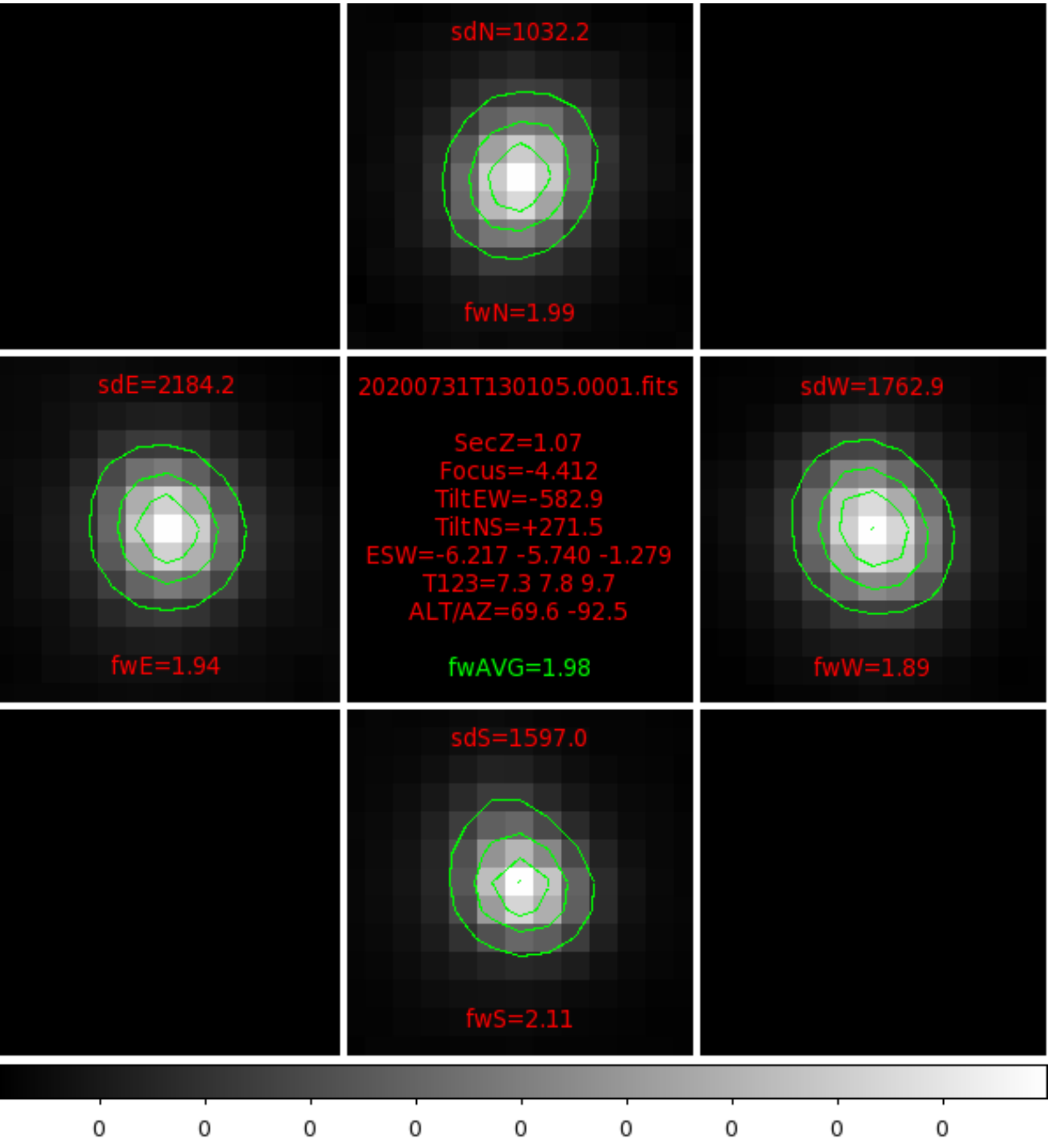
sdN=1032.2
fwN=1.99
sdE=2184.2
fwE=1.94
20200731T130105.0001.fits
SecZ=1.07
Focus=-4.412
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.217 -5.740 -1.279
T123=7.3 7.8 9.7
ALT/AZ=69.6 -92.5
fwAVG=1.98
sdW=1762.9
fwW=1.89
sdS=1597.0
fwS=2.11
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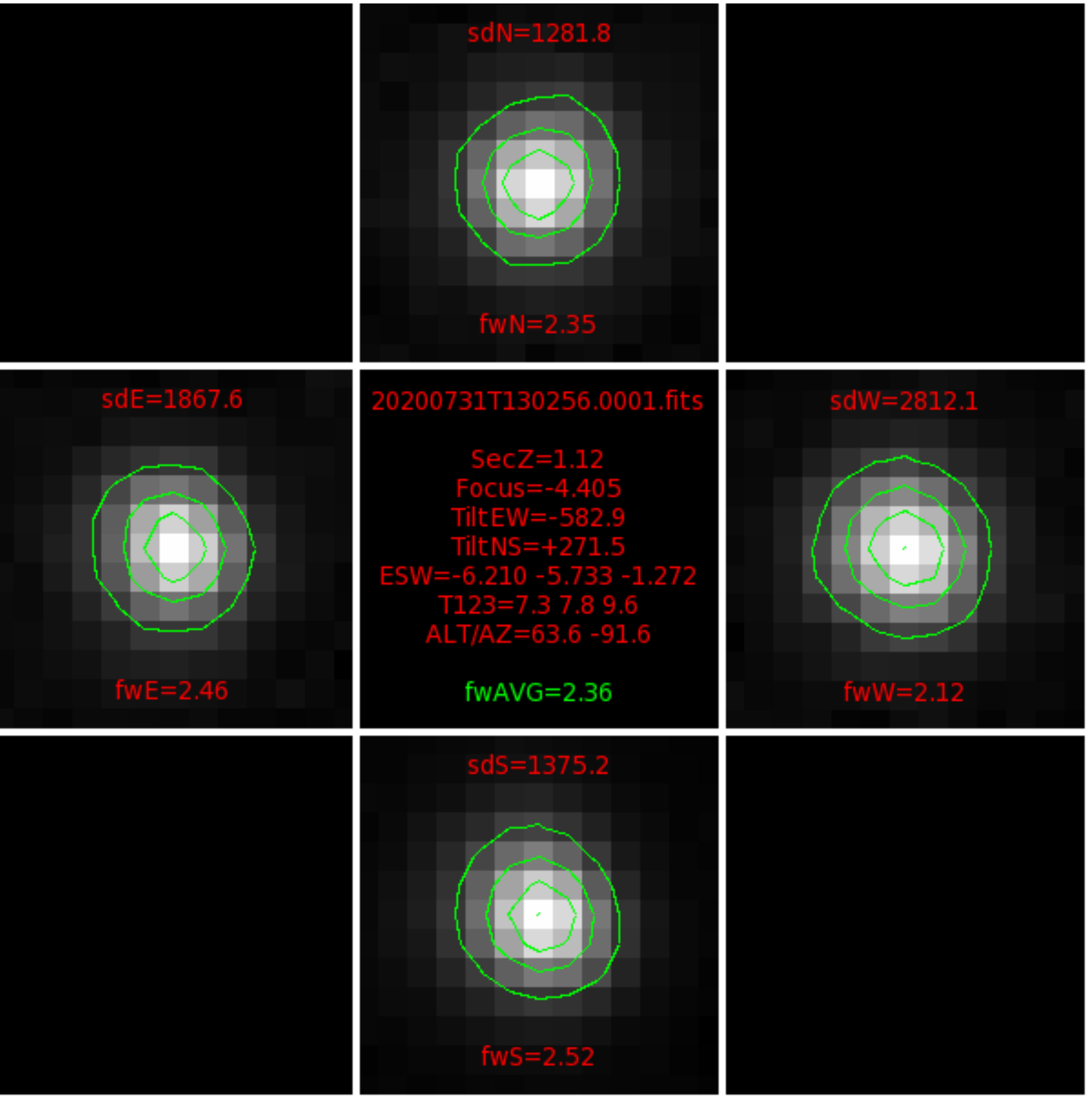
sdN=1281.8
fwN=2.35
sdE=1867.6
fwE=2.46
20200731T130256.0001.fits
SecZ=1.12
Focus=-4.405
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.210 -5.733 -1.272
T123=7.3 7.8 9.6
ALT/AZ=63.6 -91.6
fwAVG=2.36
sdW=2812.1
fwW=2.12
sdS=1375.2
fwS=2.52
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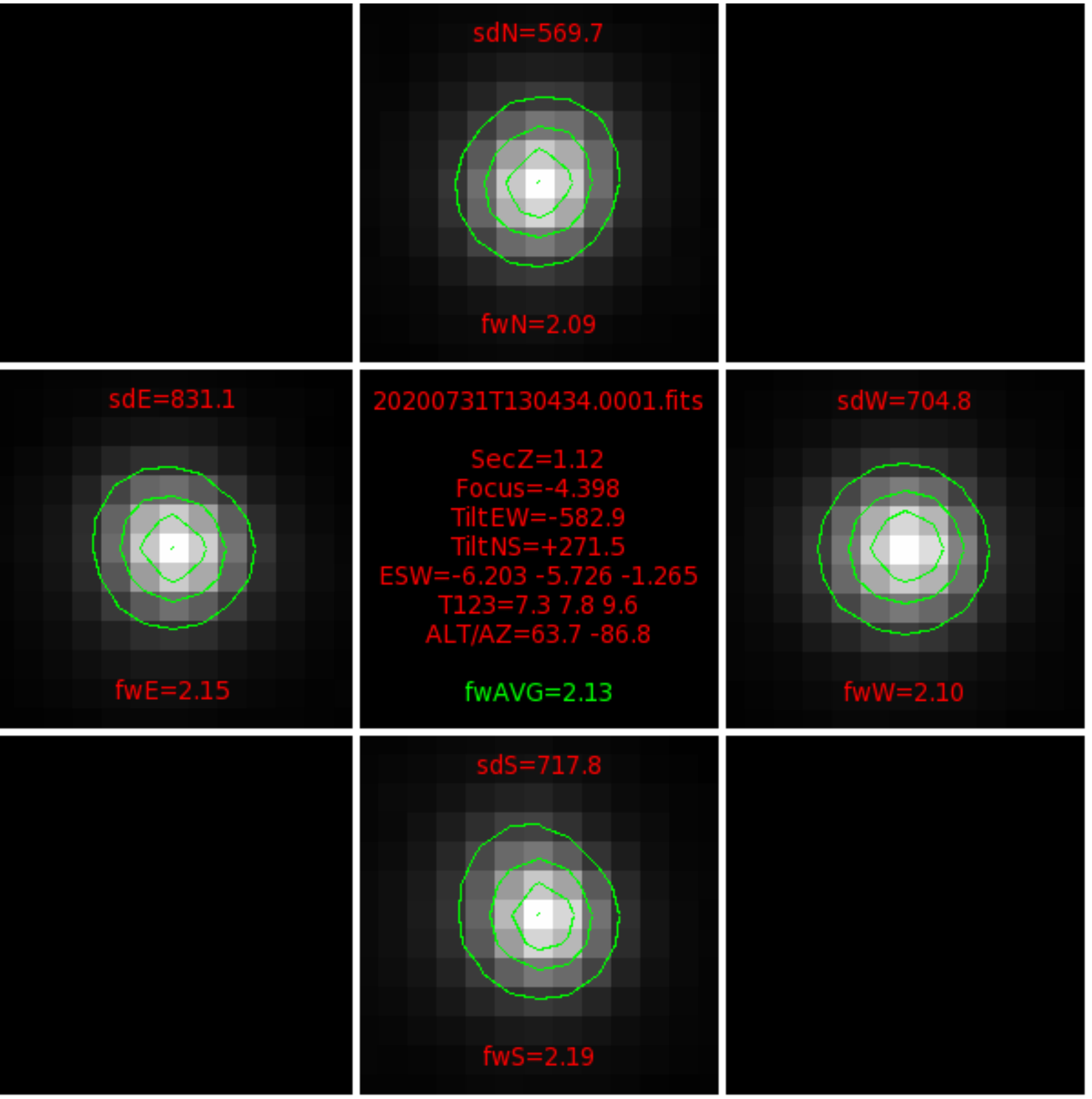
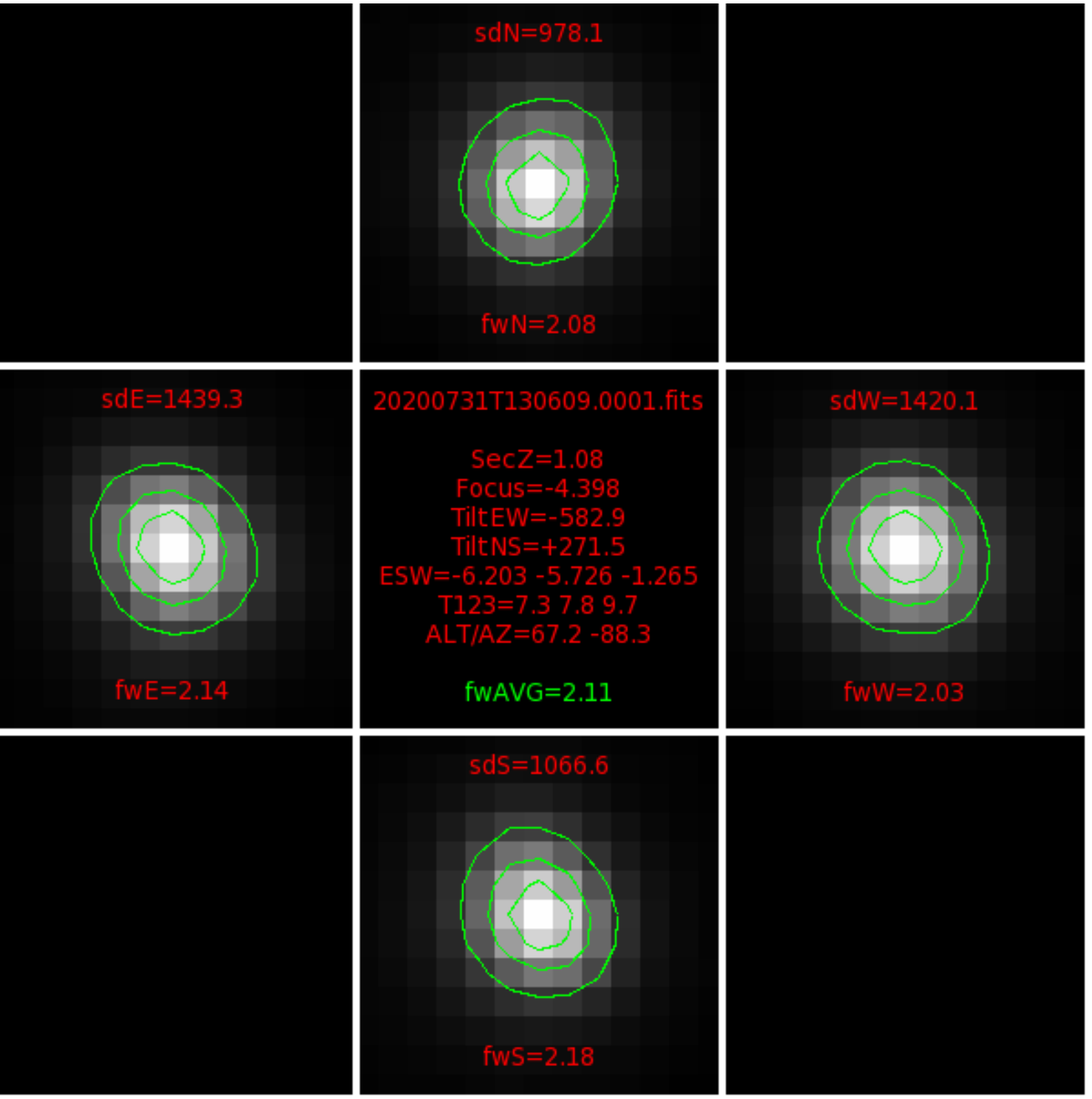

sdN=569.7
fwN=2.09
sdE=831.1
fwE=2.15
20200731T130434.0001.fits
SecZ=1.12
Focus=-4.398
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.203 -5.726 -1.265
T123=7.3 7.8 9.6
ALT/AZ=63.7 -86.8
fwAVG=2.13
sdW=704.8
fwW=2.10
sdS=717.8
fwS=2.19
0 0 0 0 0 0 0 0 0


sdN=978.1
fwN=2.08
sdE=1439.3
fwE=2.14
20200731T130609.0001.fits
SecZ=1.08
Focus=-4.398
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.203 -5.726 -1.265
T123=7.3 7.8 9.7
ALT/AZ=67.2 -88.3
fwAVG=2.11
sdW=1420.1
fwW=2.03
sdS=1066.6
fwS=2.18
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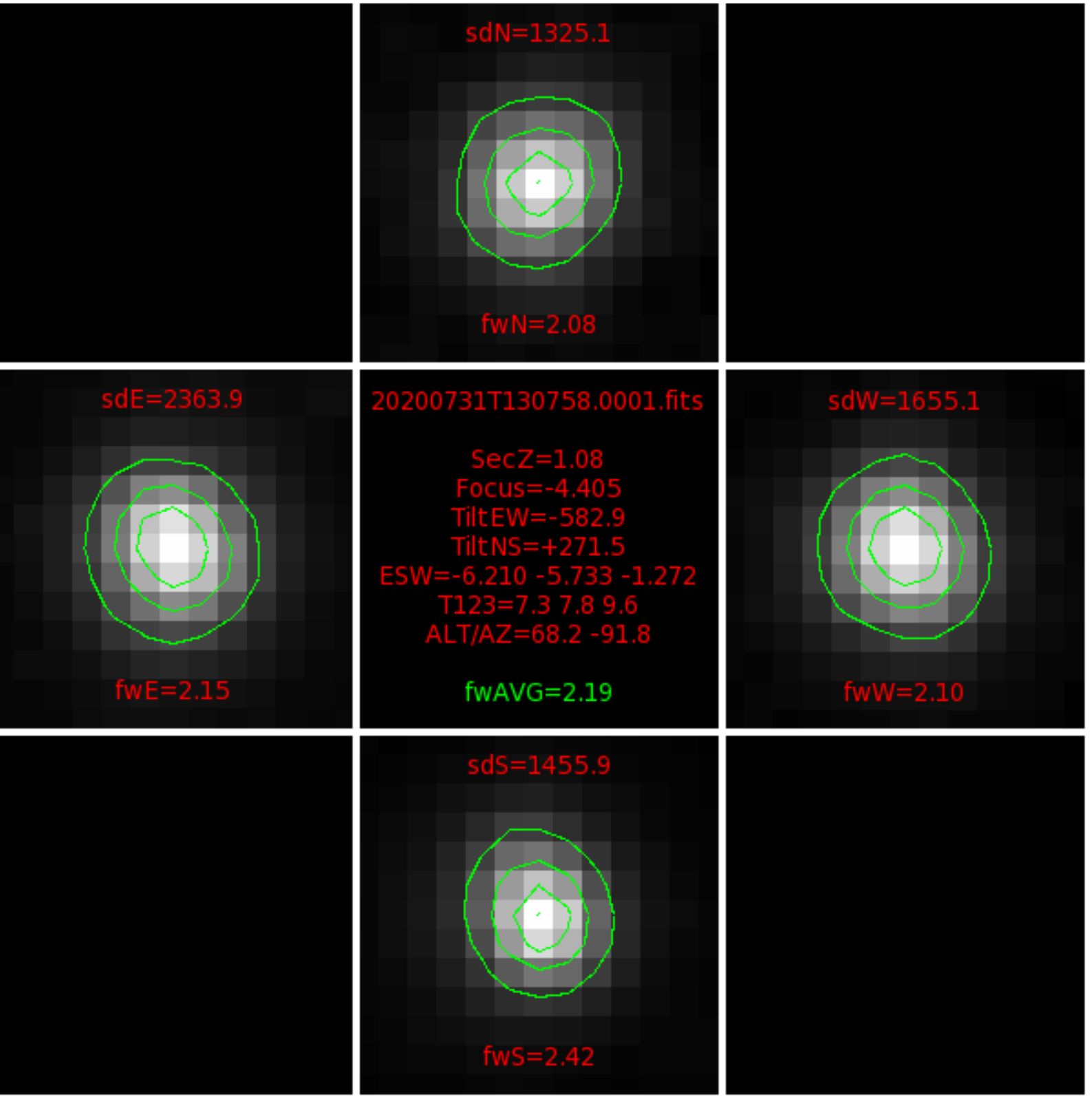
sdN=1325.1
fwN=2.08
sdE=2363.9
fwE=2.15
20200731T130758.0001.fits
SecZ=1.08
Focus=-4.405
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.210 -5.733 -1.272
T123=7.3 7.8 9.6
ALT/AZ=68.2 -91.8
fwAVG=2.19
sdW=1655.1
fwW=2.10
sdS=1455.9
fwS=2.42
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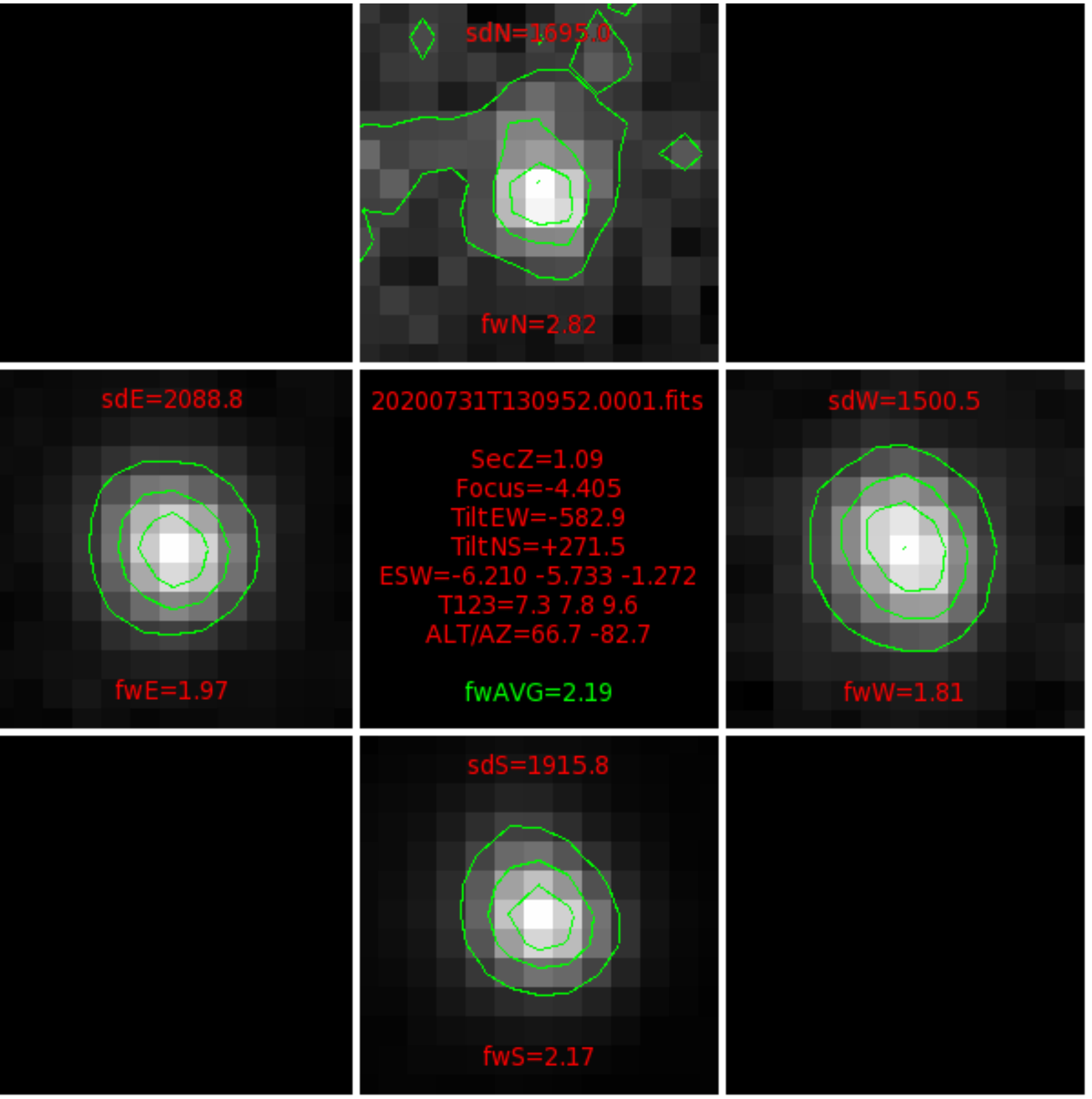
sdN=1695.0
fwN=2.82
sdE=2088.8
fwE=1.97
20200731T130952.0001.fits
SecZ=1.09
Focus=-4.405
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.210 -5.733 -1.272
T123=7.3 7.8 9.6
ALT/AZ=66.7 -82.7
fwAVG=2.19
sdW=1500.5
fwW=1.81
sdS=1915.8
fwS=2.17
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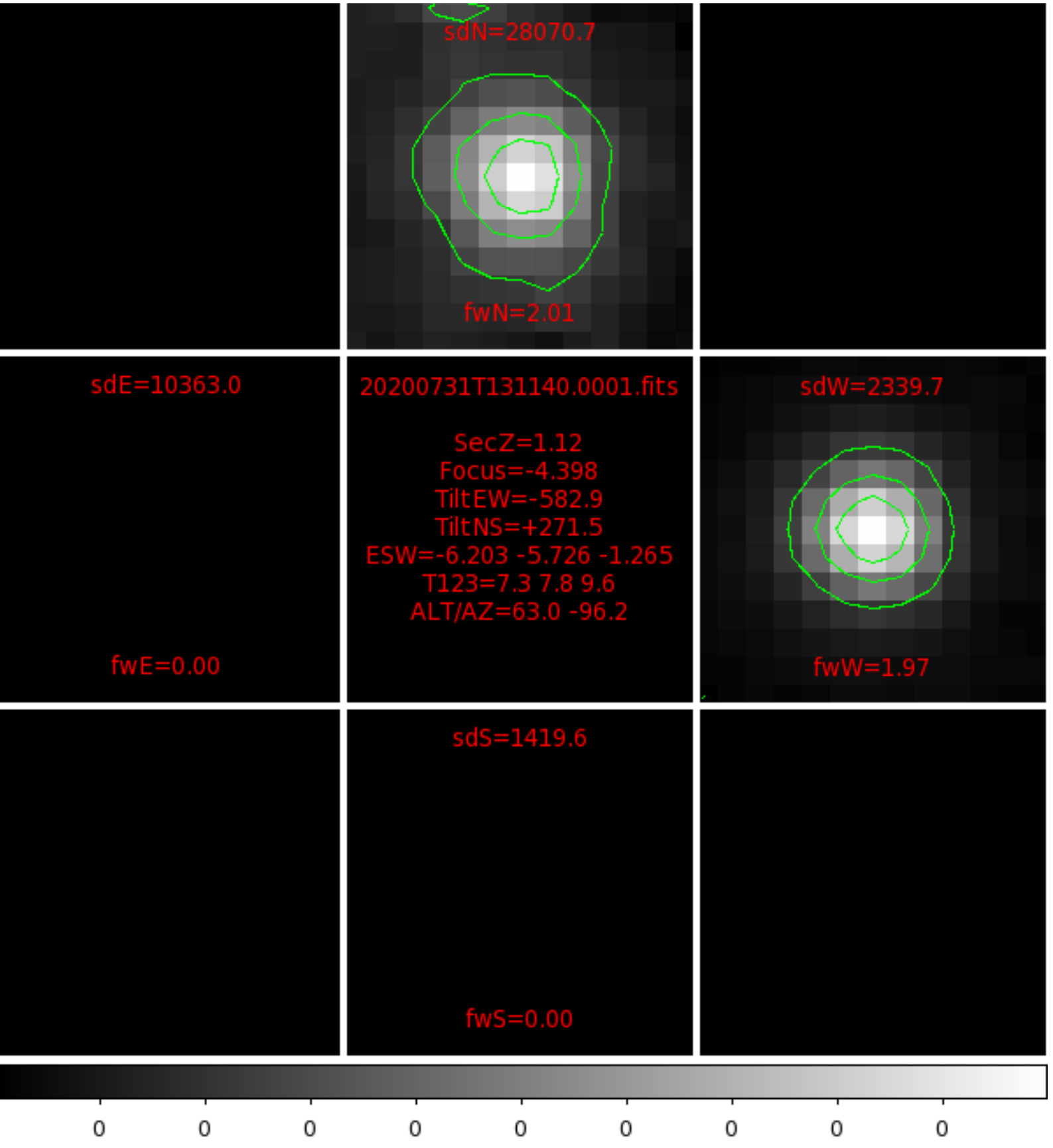
sdN=28070.7
fwN=2.01
sdE=10363.0
fwE=0.00
20200731T131140.0001.fits
SecZ=1.12
Focus=-4.398
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.203 -5.726 -1.265
T123=7.3 7.8 9.6
ALT/AZ=63.0 -96.2
sdW=2339.7
fwW=1.97
sdS=1419.6
fwS=0.00
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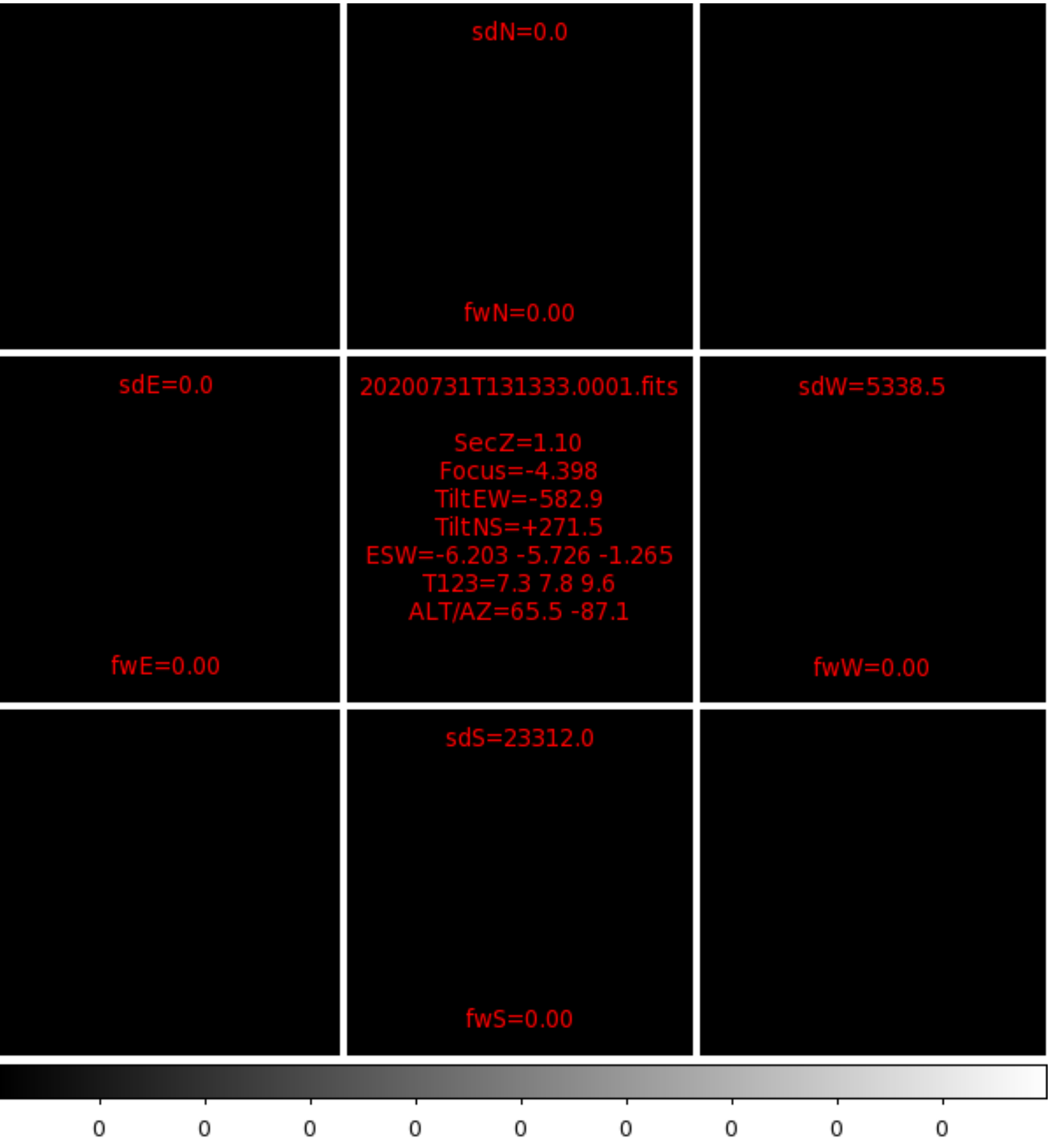
sdN=0.0
fwN=0.00
sdE=0.0
20200731T131333.0001.fits
SecZ=1.10
Focus=-4.398
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.203 -5.726 -1.265
T123=7.3 7.8 9.6
ALT/AZ=65.5 -87.1
sdW=5338.5
fwE=0.00
fwW=0.00
sdS=23312.0
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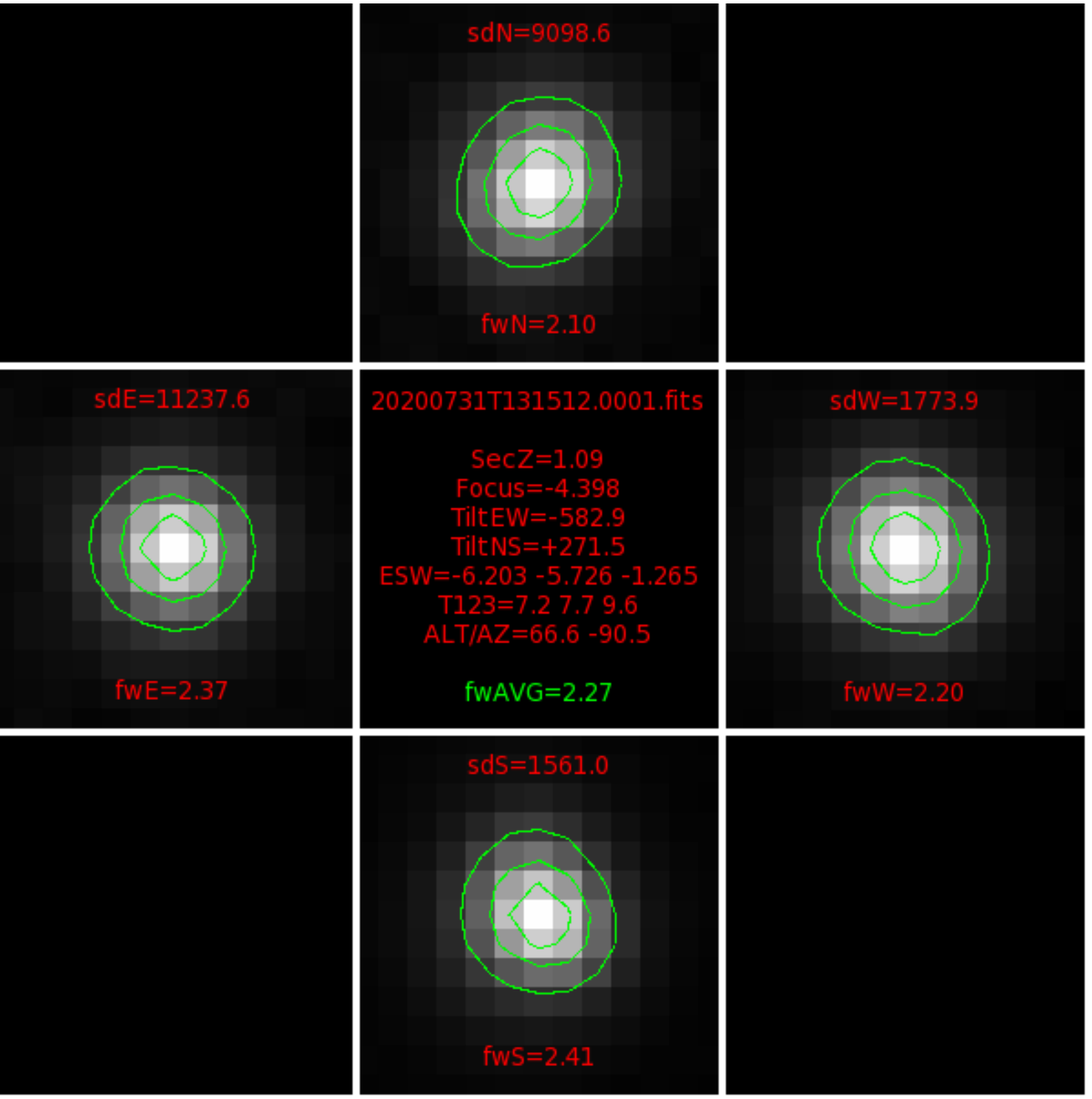
sdN=9098.6
fwN=2.10
sdE=11237.6
fwE=2.37
20200731T131512.0001.fits
SecZ=1.09
Focus=-4.398
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.203 -5.726 -1.265
T123=7.2 7.7 9.6
ALT/AZ=66.6 -90.5
fwAVG=2.27
sdW=1773.9
fwW=2.20
sdS=1561.0
fwS=2.41
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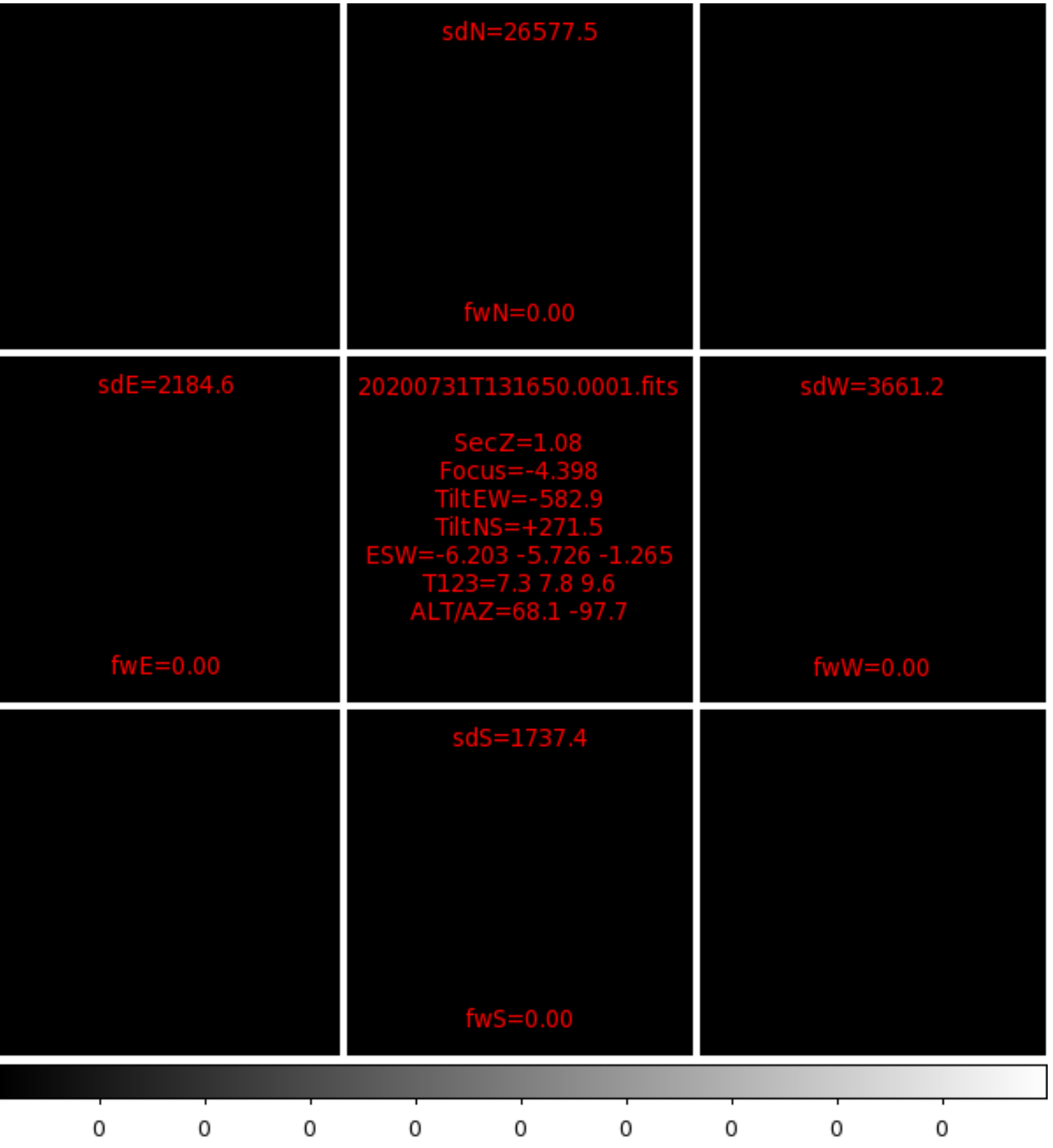
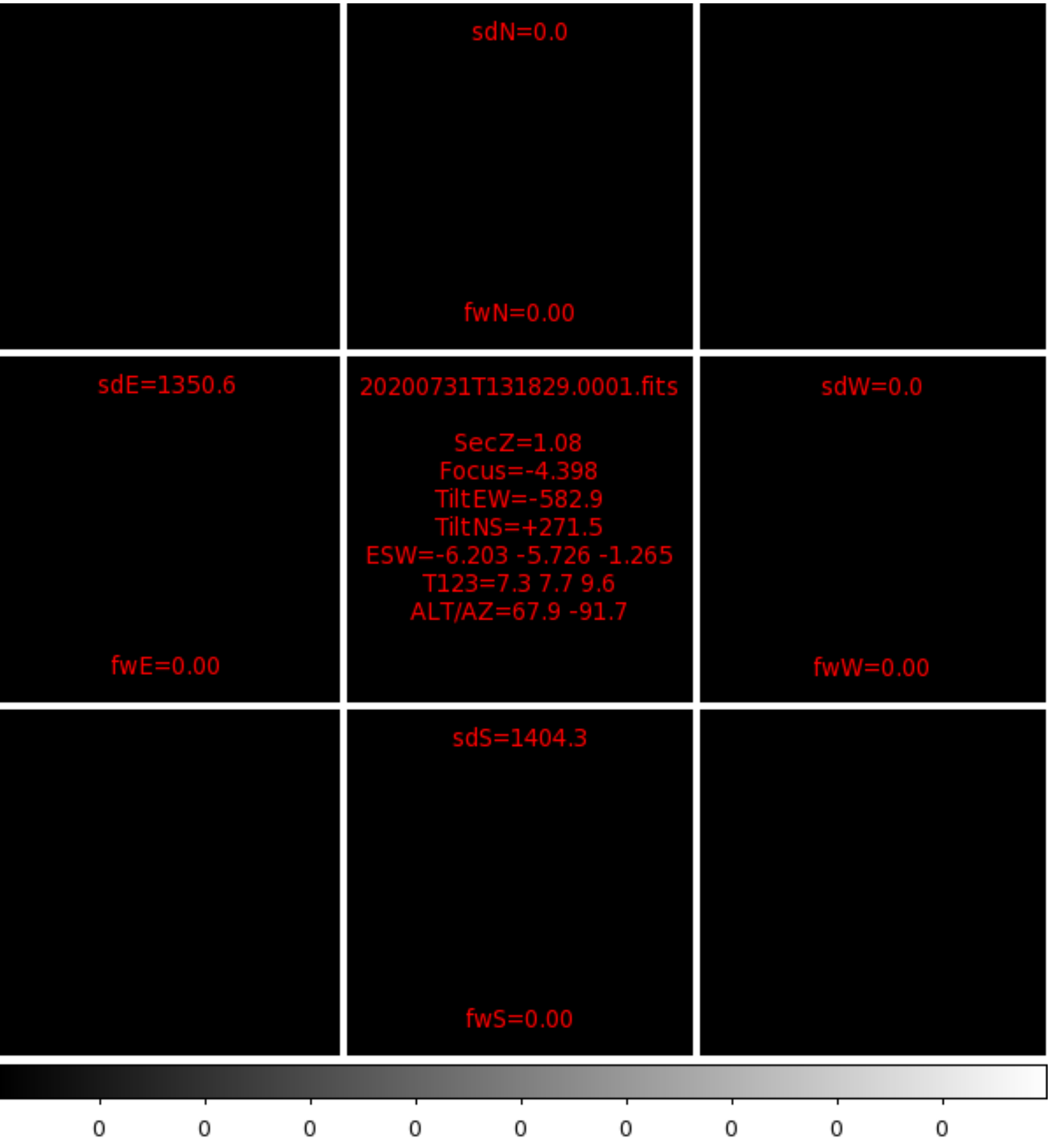

sdN=26577.5
fwN=0.00
sdE=2184.6
fwE=0.00
20200731T131650.0001.fits
SecZ=1.08
Focus=-4.398
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.203 -5.726 -1.265
T123=7.3 7.8 9.6
ALT/AZ=68.1 -97.7
sdW=3661.2
fwW=0.00
sdS=1737.4
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=0.0
fwN=0.00
sdE=1350.6
fwE=0.00
20200731T131829.0001.fits
SecZ=1.08
Focus=-4.398
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.203 -5.726 -1.265
T123=7.3 7.7 9.6
ALT/AZ=67.9 -91.7
sdW=0.0
fwW=0.00
sdS=1404.3
fwS=0.00
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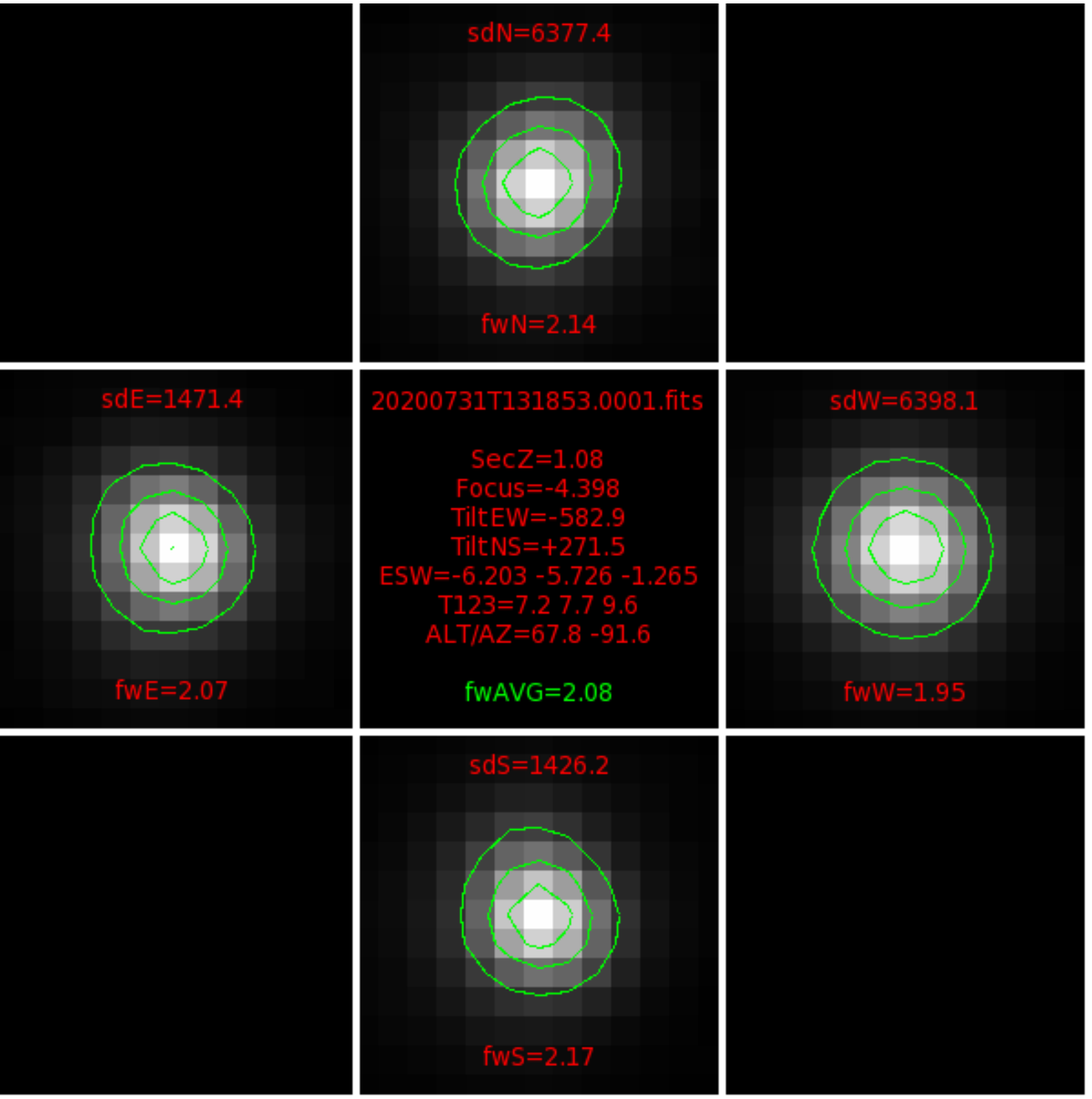
sdN=6377.4
fwN=2.14
sdE=1471.4
fwE=2.07
20200731T131853.0001.fits
SecZ=1.08
Focus=-4.398
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.203 -5.726 -1.265
T123=7.2 7.7 9.6
ALT/AZ=67.8 -91.6
fwAVG=2.08
sdW=6398.1
fwW=1.95
sdS=1426.2
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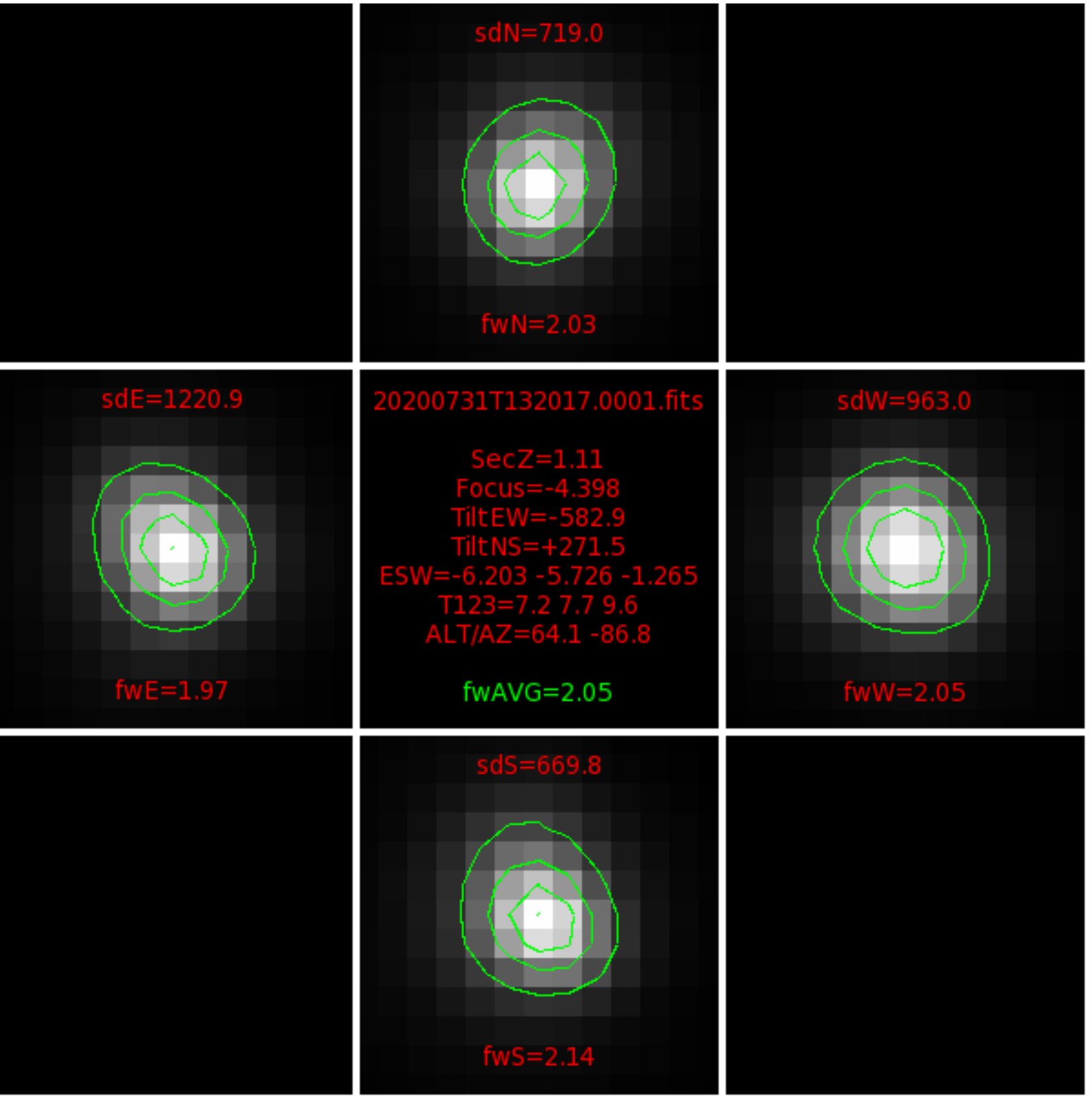
sdN=719.0
fwN=2.03
sdE=1220.9
fwE=1.97
20200731T132017.0001.fits
SecZ=1.11
Focus=-4.398
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.203 -5.726 -1.265
T123=7.2 7.7 9.6
ALT/AZ=64.1 -86.8
fwAVG=2.05
sdW=963.0
fwW=2.05
sdS=669.8
fwS=2.14
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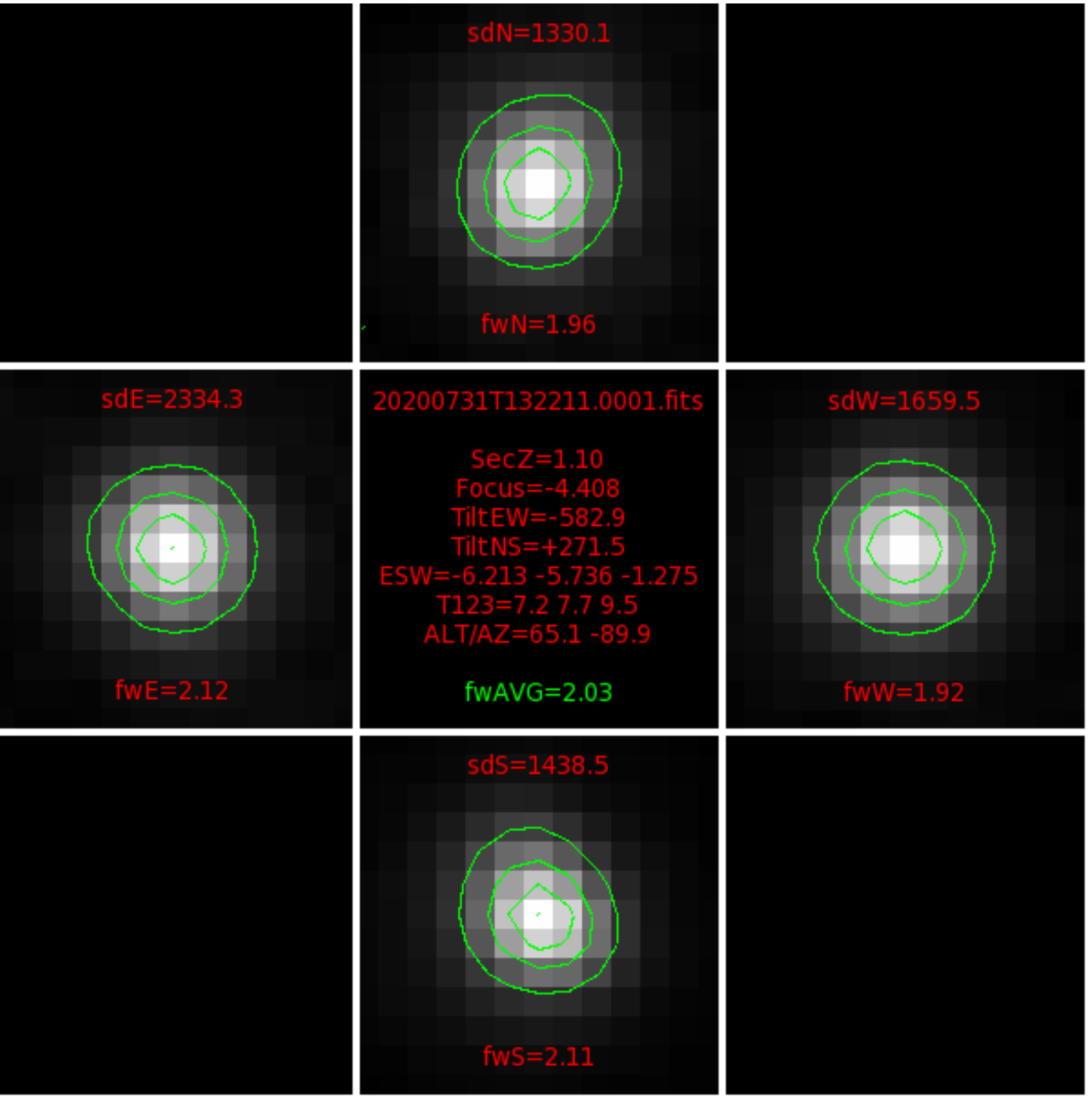
sdN=1330.1
fwN=1.96
sdE=2334.3
fwE=2.12
20200731T132211.0001.fits
SecZ=1.10
Focus=-4.408
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.213 -5.736 -1.275
T123=7.2 7.7 9.5
ALT/AZ=65.1 -89.9
fwAVG=2.03
sdW=1659.5
fwW=1.92
sdS=1438.5
fwS=2.11
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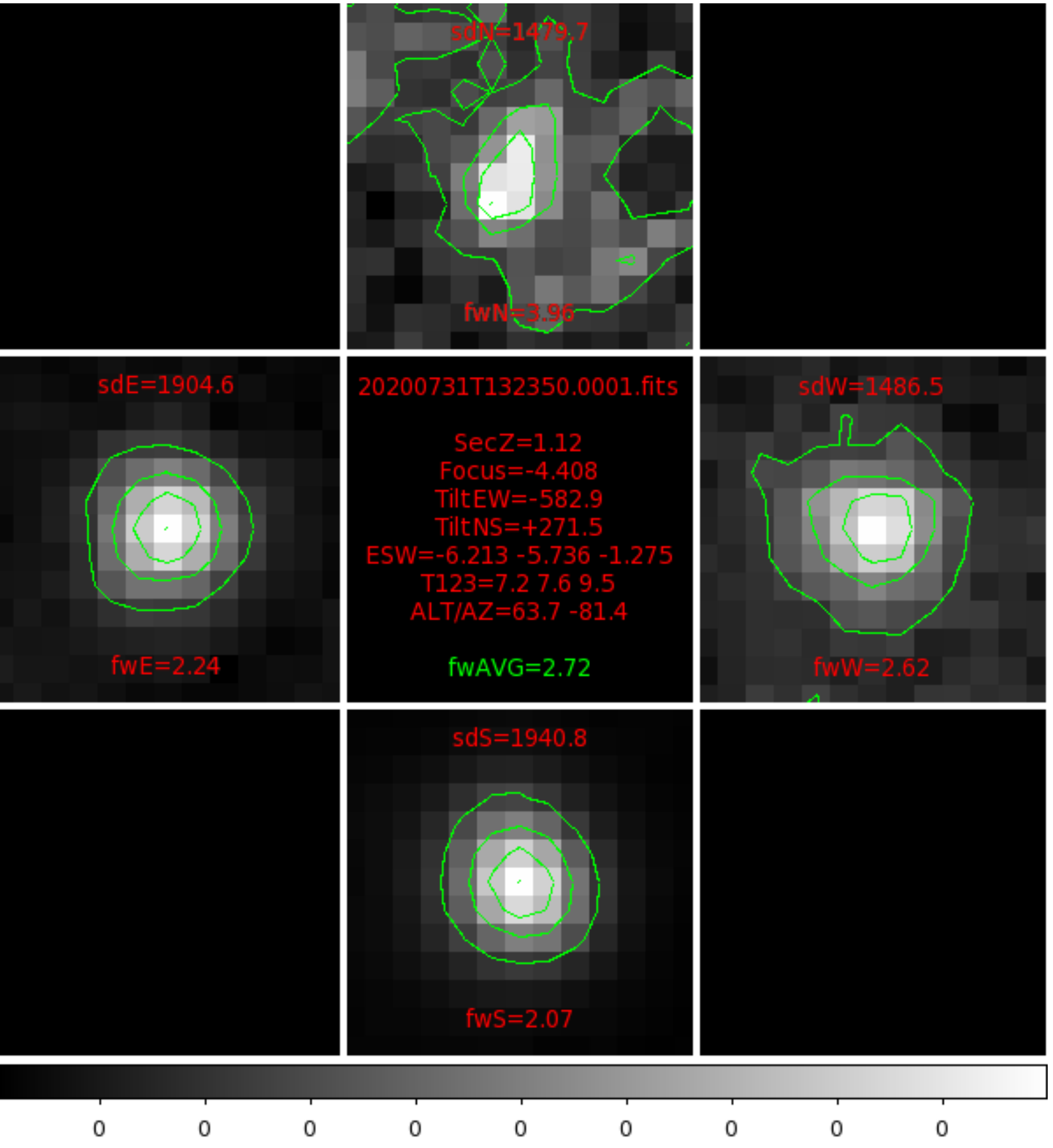
sdN=1479.7
fwN=3.96
sdE=1904.6
fwE=2.24
20200731T132350.0001.fits
SecZ=1.12
Focus=-4.408
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.213 -5.736 -1.275
T123=7.2 7.6 9.5
ALT/AZ=63.7 -81.4
fwAVG=2.72
sdW=1486.5
fwW=2.62
sdS=1940.8
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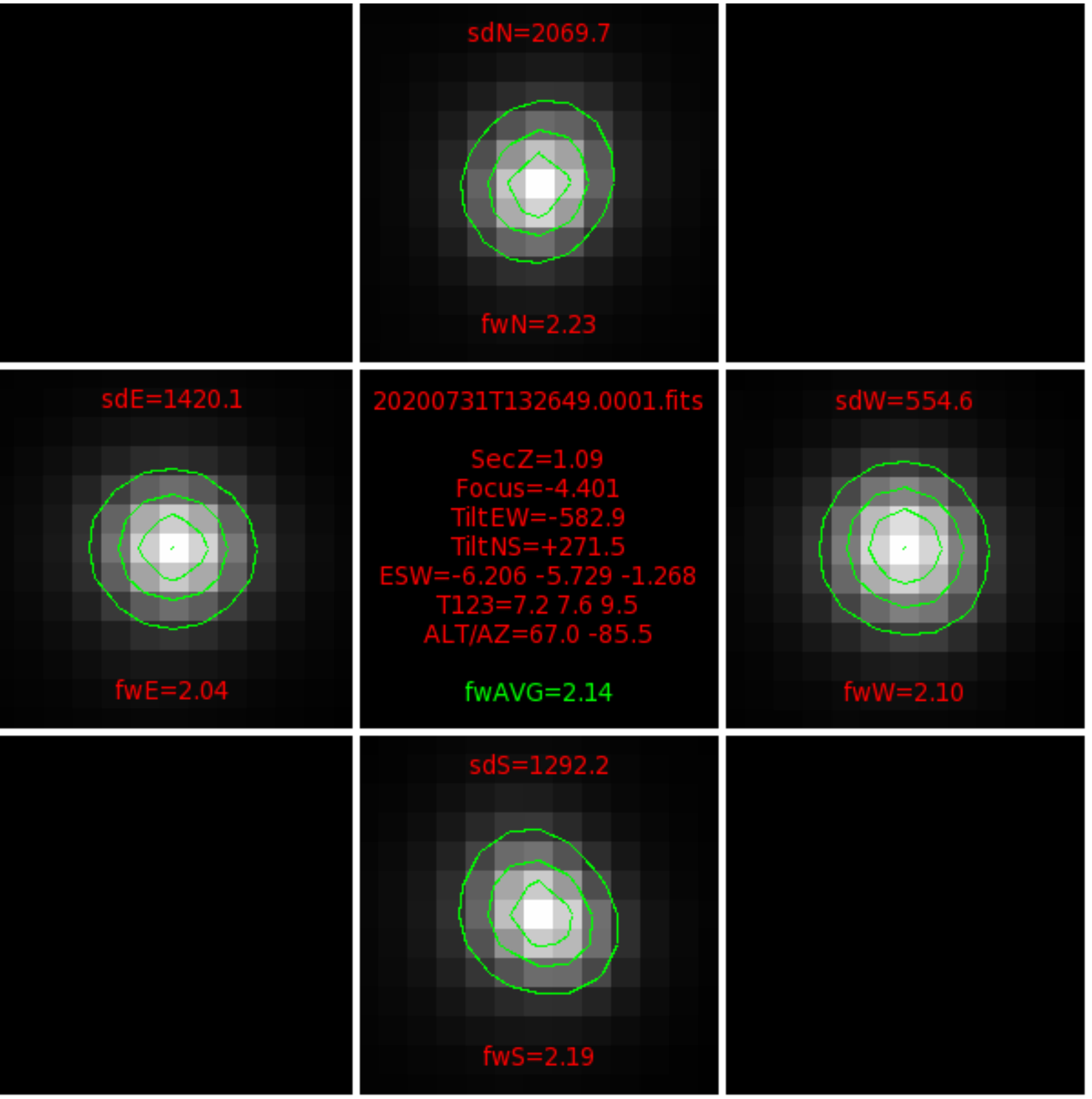
sdN=2069.7
fwN=2.23
sdE=1420.1
fwE=2.04
20200731T132649.0001.fits
SecZ=1.09
Focus=-4.401
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.206 -5.729 -1.268
T123=7.2 7.6 9.5
ALT/AZ=67.0 -85.5
fwAVG=2.14
sdW=554.6
fwW=2.10
sdS=1292.2
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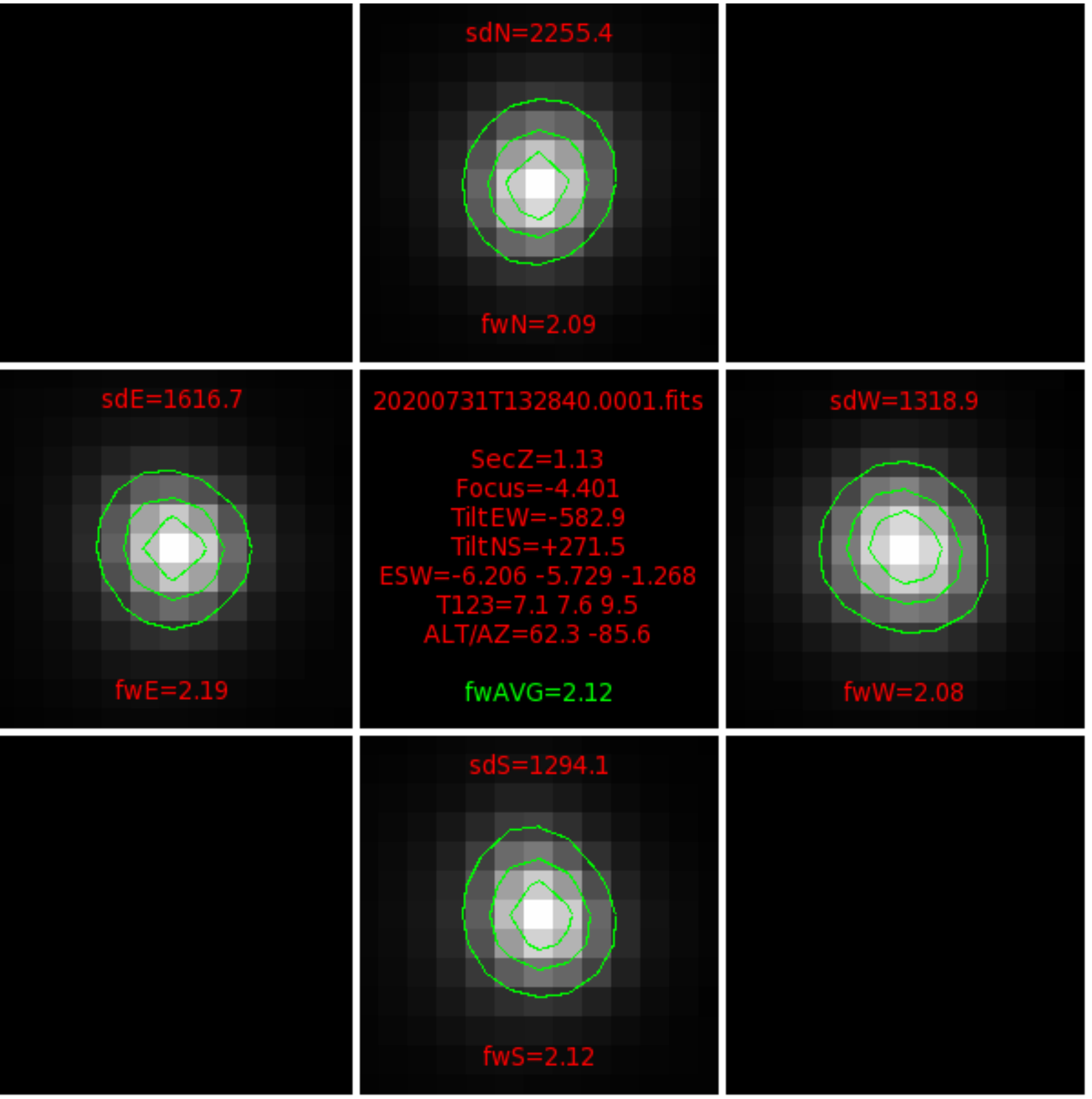
sdN=2255.4
fwN=2.09
sdE=1616.7
fwE=2.19
20200731T132840.0001.fits
SecZ=1.13
Focus=-4.401
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.206 -5.729 -1.268
T123=7.1 7.6 9.5
ALT/AZ=62.3 -85.6
fwAVG=2.12
sdW=1318.9
fwW=2.08
sdS=1294.1
fwS=2.12
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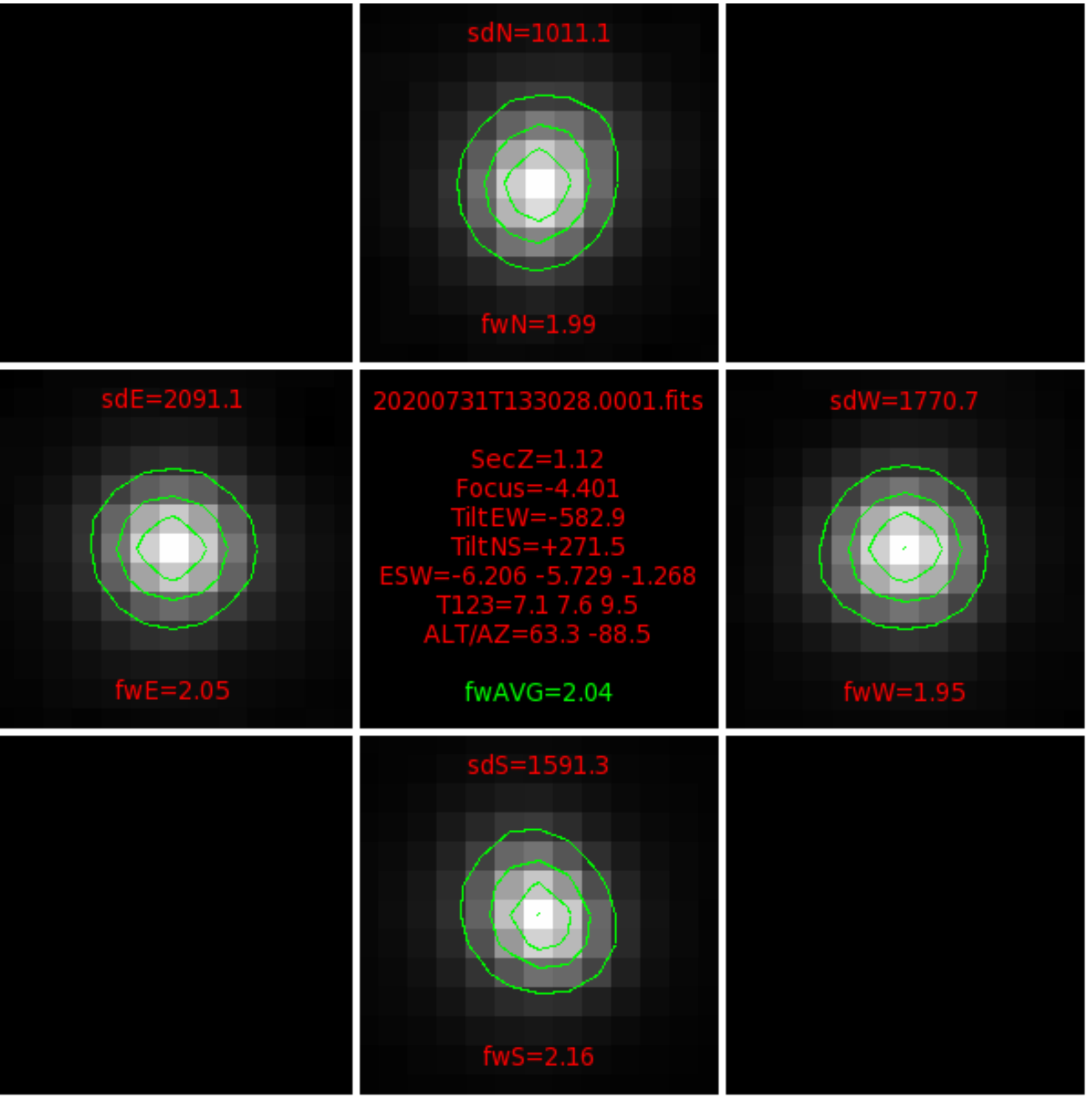
sdN=1011.1
fwN=1.99
sdE=2091.1
fwE=2.05
20200731T133028.0001.fits
SecZ=1.12
Focus=-4.401
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.206 -5.729 -1.268
T123=7.1 7.6 9.5
ALT/AZ=63.3 -88.5
fwAVG=2.04
sdW=1770.7
fwW=1.95
sdS=1591.3
fwS=2.16
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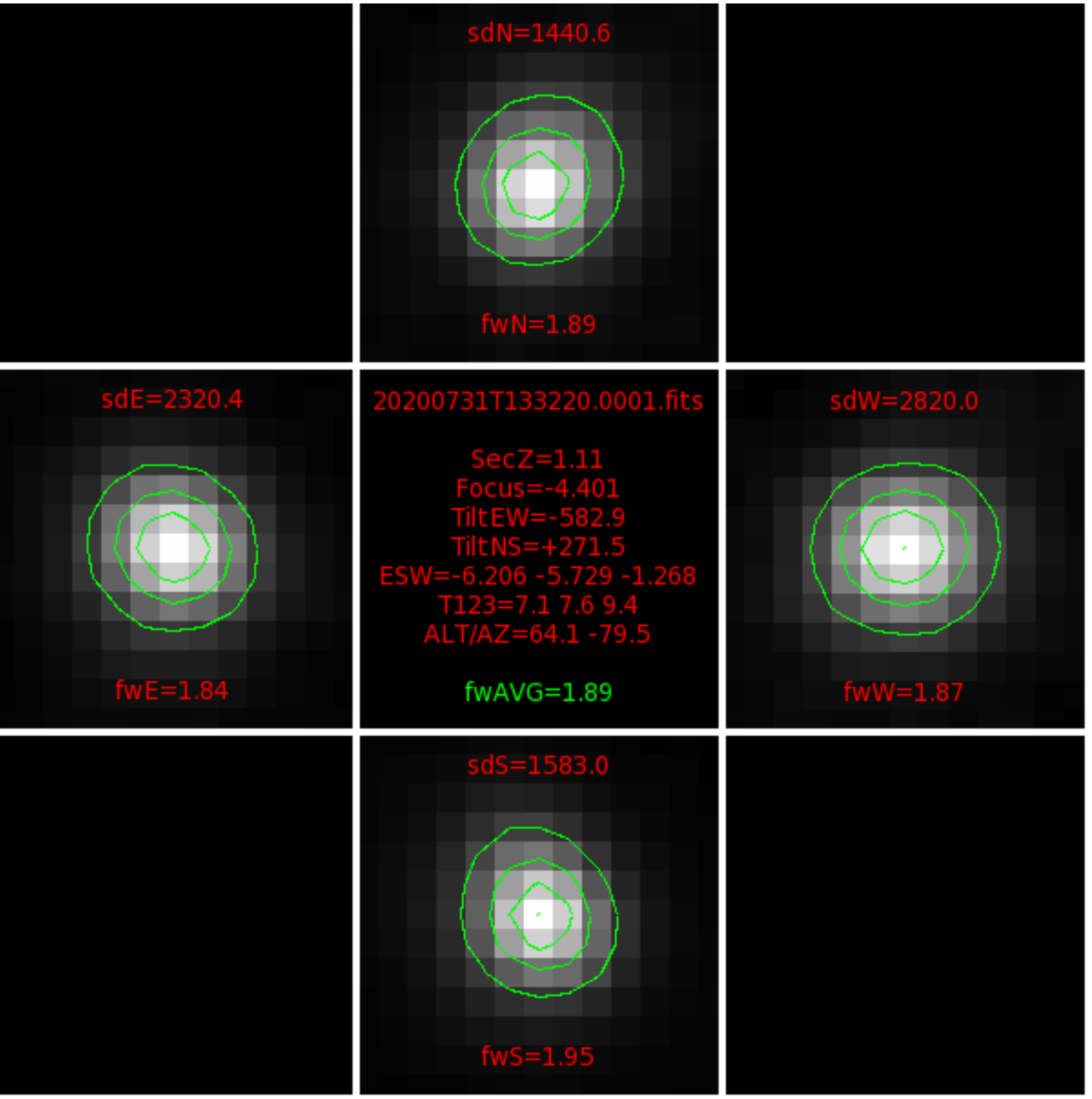
sdN=1440.6
fwN=1.89
sdE=2320.4
fwE=1.84
20200731T133220.0001.fits
SecZ=1.11
Focus=-4.401
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.206 -5.729 -1.268
T123=7.1 7.6 9.4
ALT/AZ=64.1 -79.5
fwAVG=1.89
sdW=2820.0
fwW=1.87
sdS=1583.0
fwS=1.95
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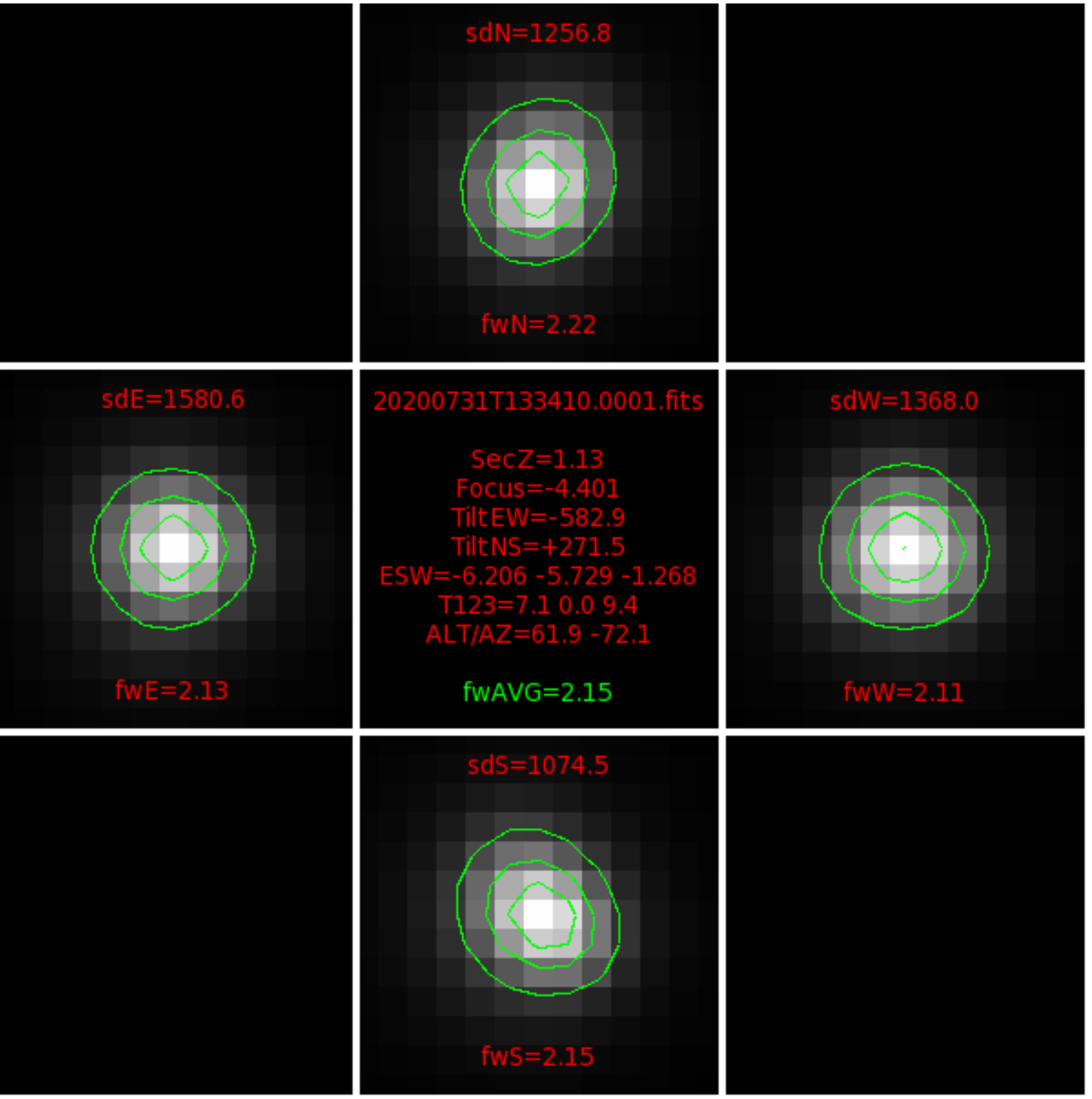
sdN=1256.8
fwN=2.22
sdE=1580.6
fwE=2.13
20200731T133410.0001.fits
SecZ=1.13
Focus=-4.401
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.206 -5.729 -1.268
T123=7.1 0.0 9.4
ALT/AZ=61.9 -72.1
fwAVG=2.15
sdW=1368.0
fwW=2.11
sdS=1074.5
fwS=2.15
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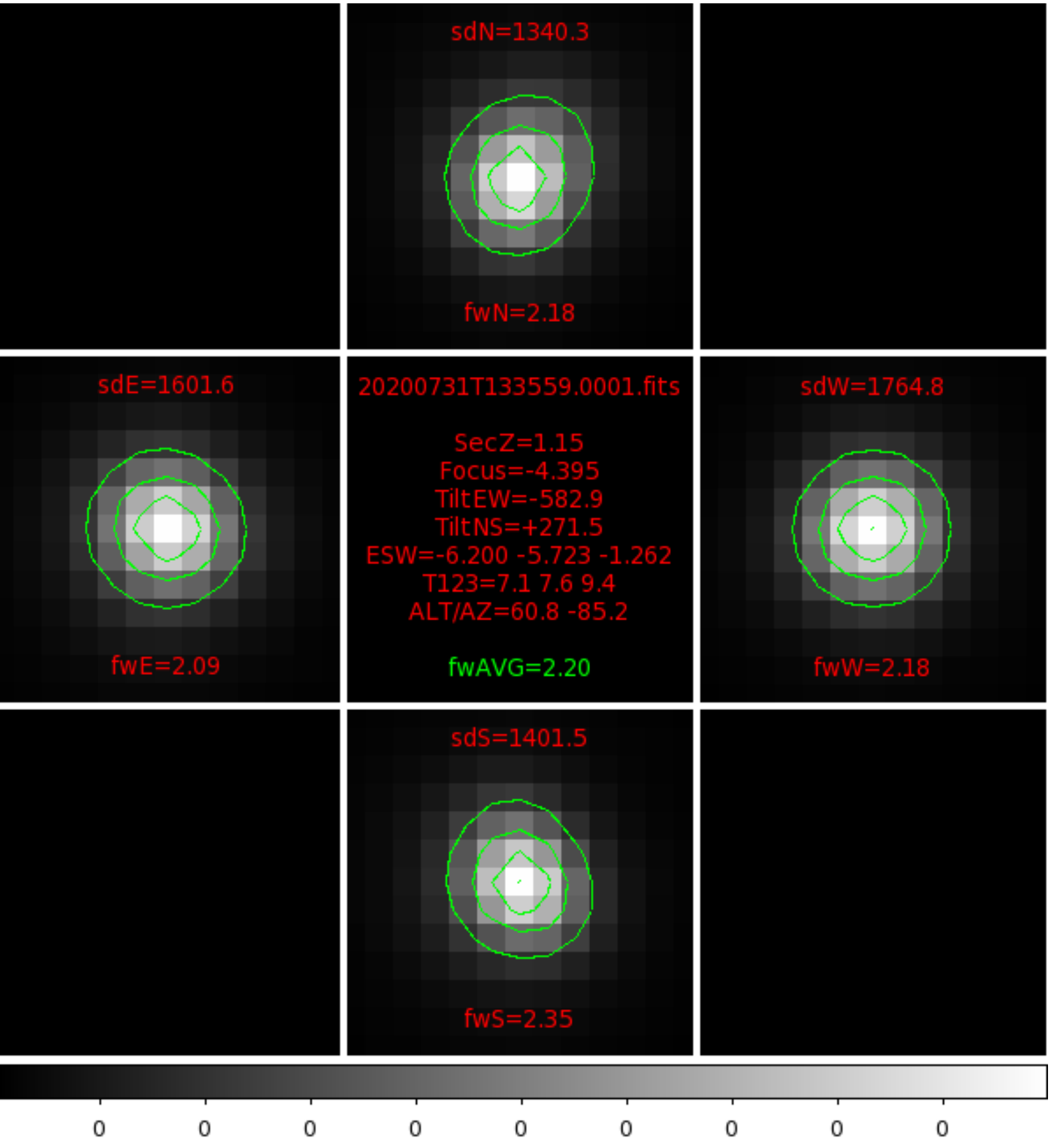
sdN=1340.3
fwN=2.18
sdE=1601.6
fwE=2.09
20200731T133559.0001.fits
SecZ=1.15
Focus=-4.395
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TiltNS=+271.5
ESW=-6.200 -5.723 -1.262
T123=7.1 7.6 9.4
ALT/AZ=60.8 -85.2
fwAVG=2.20
sdW=1764.8
fwW=2.18
sdS=1401.5
fwS=2.35
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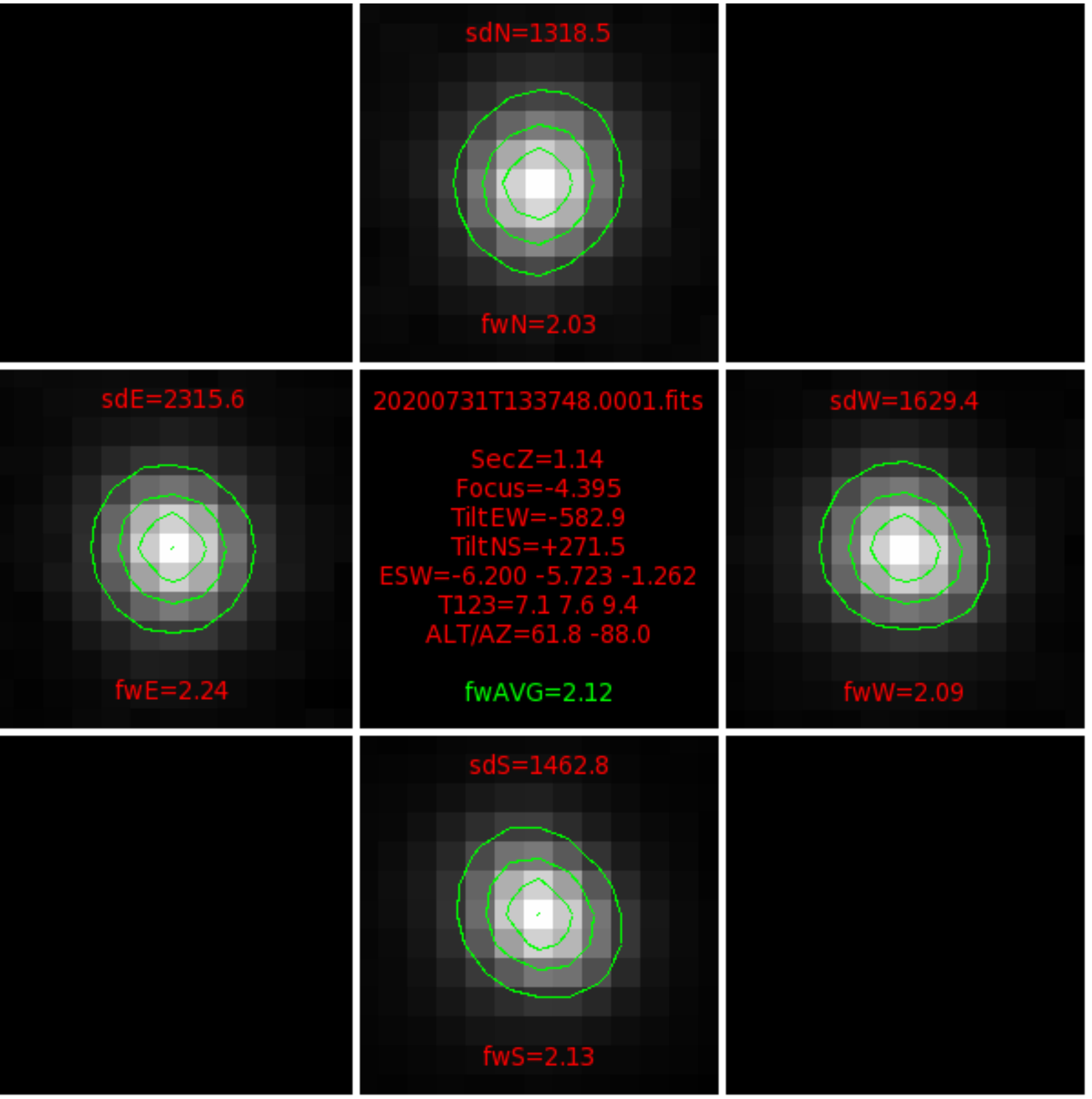
sdN=1318.5
fwN=2.03
sdE=2315.6
fwE=2.24
20200731T133748.0001.fits
SecZ=1.14
Focus=-4.395
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.200 -5.723 -1.262
T123=7.1 7.6 9.4
ALT/AZ=61.8 -88.0
fwAVG=2.12
sdW=1629.4
fwW=2.09
sdS=1462.8
fwS=2.13
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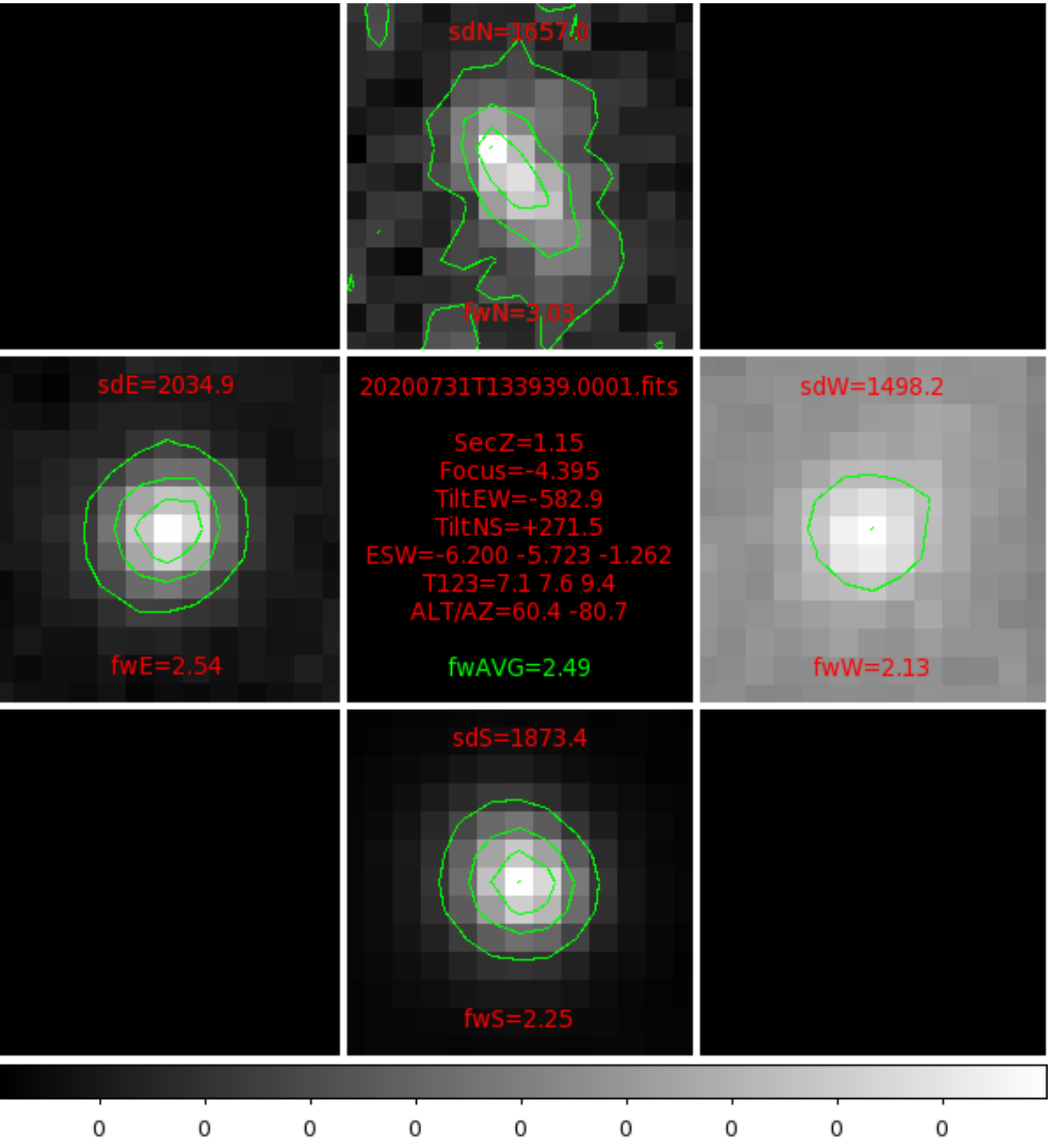
sdN=1657.0
fwN=3.03
sdE=2034.9
fwE=2.54
20200731T133939.0001.fits
SecZ=1.15
Focus=-4.395
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.200 -5.723 -1.262
T123=7.1 7.6 9.4
ALT/AZ=60.4 -80.7
fwAVG=2.49
sdW=1498.2
fwW=2.13
sdS=1873.4
fwS=2.25
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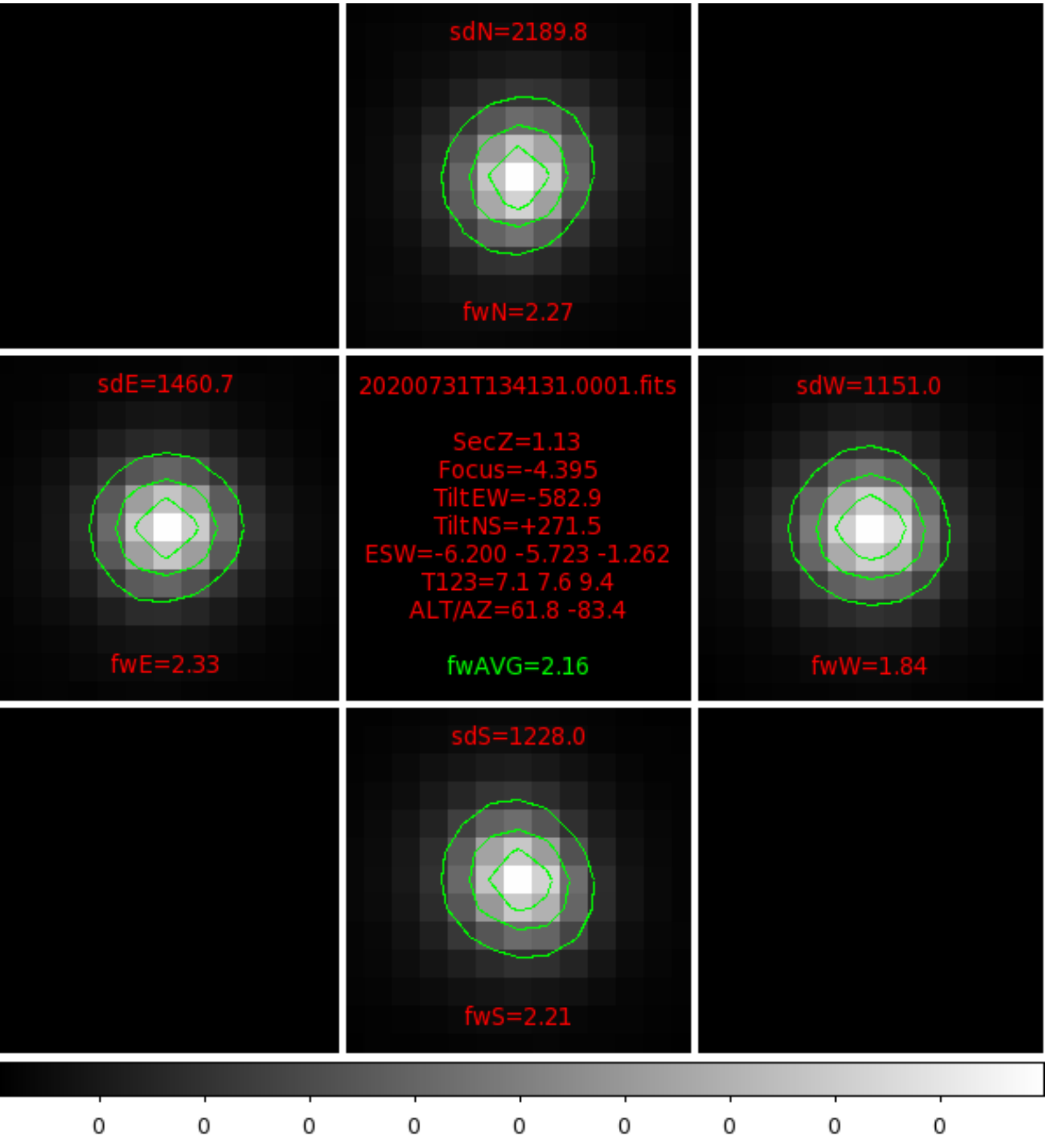
sdN=2189.8
fwN=2.27
sdE=1460.7
fwE=2.33
20200731T134131.0001.fits
SecZ=1.13
Focus=-4.395
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.200 -5.723 -1.262
T123=7.1 7.6 9.4
ALT/AZ=61.8 -83.4
fwAVG=2.16
sdW=1151.0
fwW=1.84
sdS=1228.0
fwS=2.21
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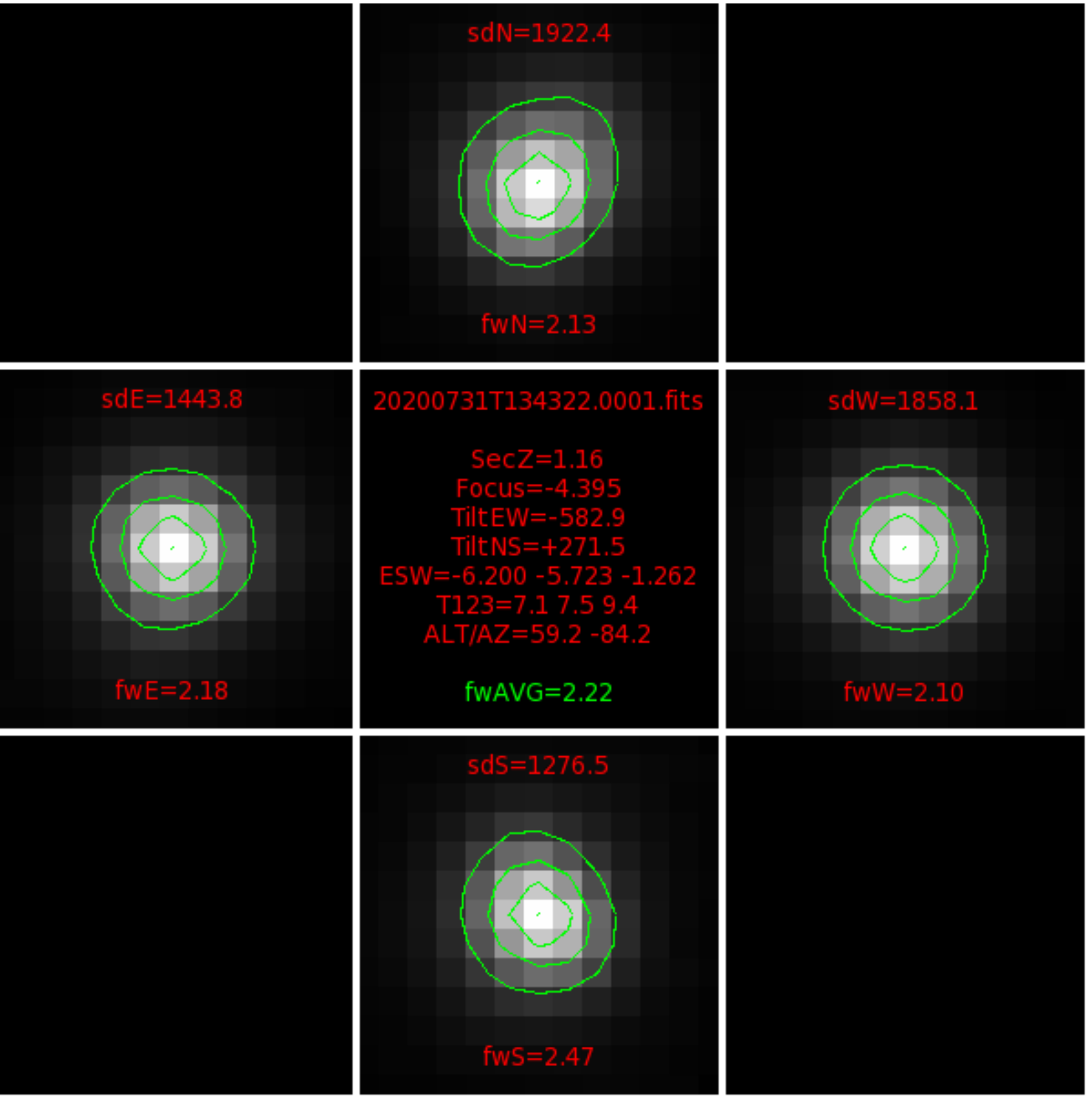
sdN=1922.4
fwN=2.13
sdE=1443.8
fwE=2.18
20200731T134322.0001.fits
SecZ=1.16
Focus=-4.395
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.200 -5.723 -1.262
T123=7.1 7.5 9.4
ALT/AZ=59.2 -84.2
fwAVG=2.22
sdW=1858.1
fwW=2.10
sdS=1276.5
fwS=2.47
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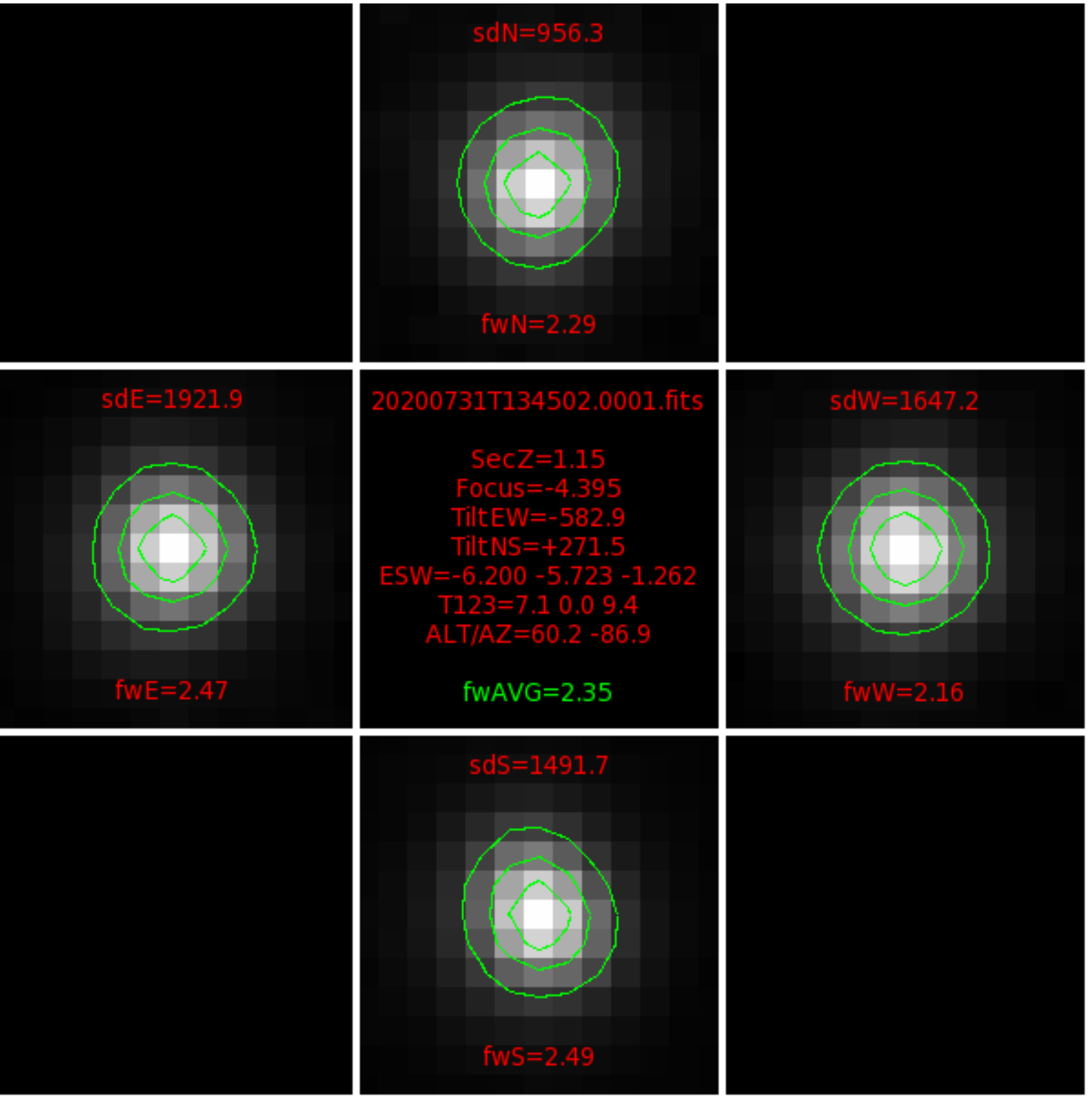
sdN=956.3
fwN=2.29
sdE=1921.9
fwE=2.47
20200731T134502.0001.fits
SecZ=1.15
Focus=-4.395
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.200 -5.723 -1.262
T123=7.1 0.0 9.4
ALT/AZ=60.2 -86.9
fwAVG=2.35
sdW=1647.2
fwW=2.16
sdS=1491.7
fwS=2.49
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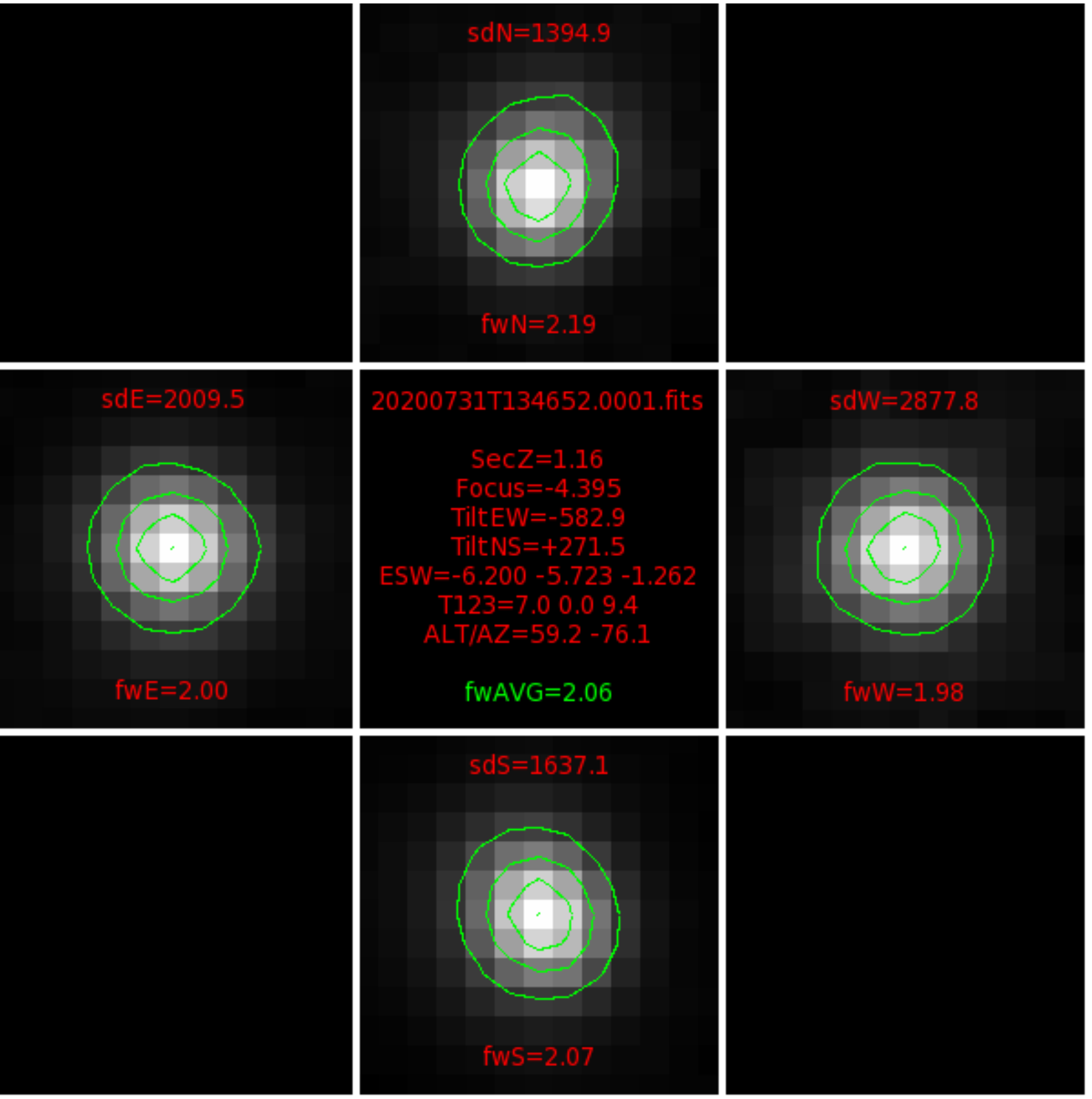
sdN=1394.9
fwN=2.19
sdE=2009.5
fwE=2.00
20200731T134652.0001.fits
SecZ=1.16
Focus=-4.395
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.200 -5.723 -1.262
T123=7.0 0.0 9.4
ALT/AZ=59.2 -76.1
fwAVG=2.06
sdW=2877.8
fwW=1.98
sdS=1637.1
fwS=2.07
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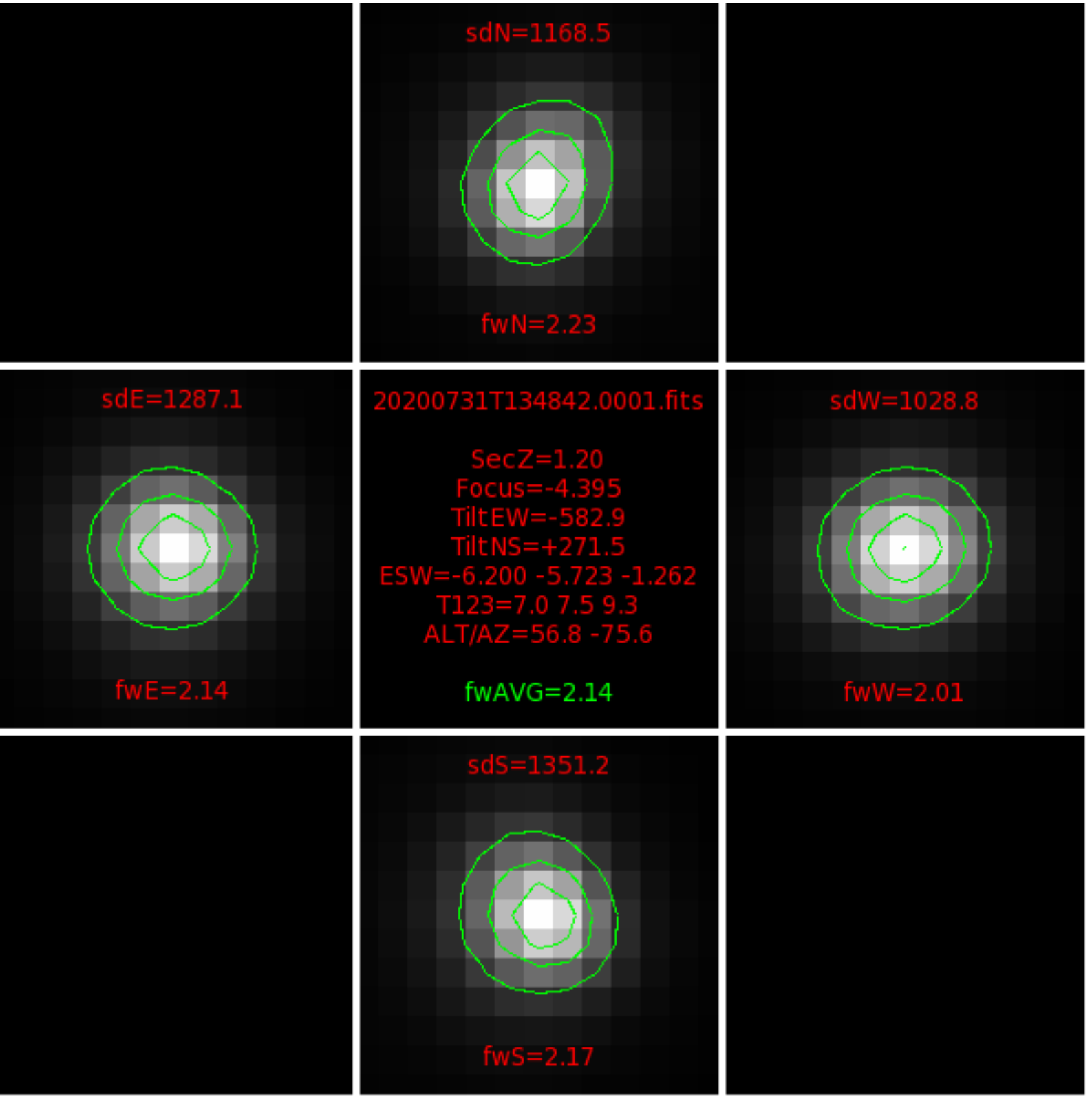
sdN=1168.5
fwN=2.23
sdE=1287.1
fwE=2.14
20200731T134842.0001.fits
SecZ=1.20
Focus=-4.395
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.200 -5.723 -1.262
T123=7.0 7.5 9.3
ALT/AZ=56.8 -75.6
fwAVG=2.14
sdW=1028.8
fwW=2.01
sdS=1351.2
fwS=2.17
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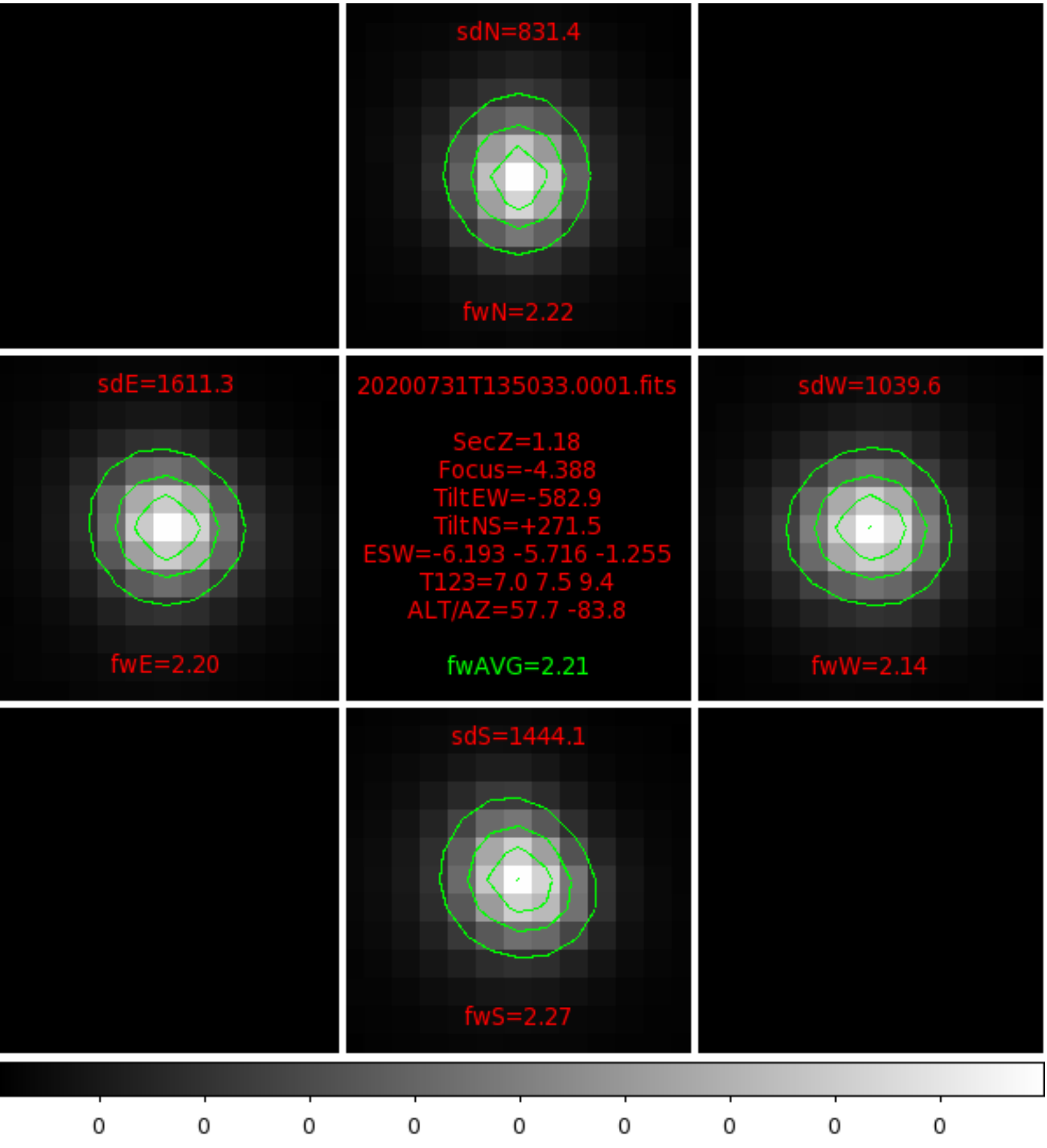
sdN=831.4
fwN=2.22
sdE=1611.3
fwE=2.20
20200731T135033.0001.fits
SecZ=1.18
Focus=-4.388
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.193 -5.716 -1.255
T123=7.0 7.5 9.4
ALT/AZ=57.7 -83.8
fwAVG=2.21
sdW=1039.6
fwW=2.14
sdS=1444.1
fwS=2.27
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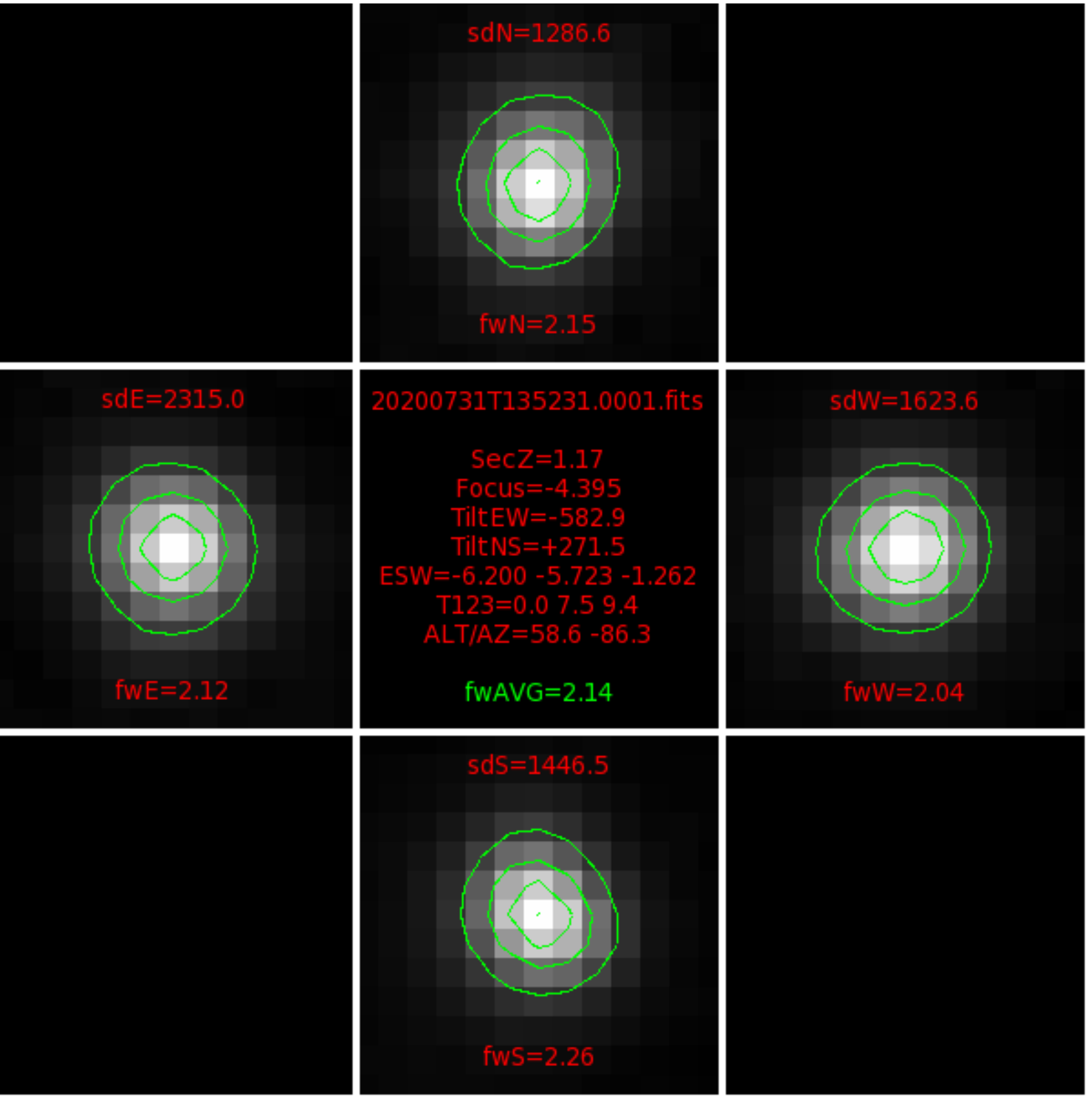
sdN=1286.6
fwN=2.15
sdE=2315.0
fwE=2.12
20200731T135231.0001.fits
SecZ=1.17
Focus=-4.395
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.200 -5.723 -1.262
T123=0.0 7.5 9.4
ALT/AZ=58.6 -86.3
fwAVG=2.14
sdW=1623.6
fwW=2.04
sdS=1446.5
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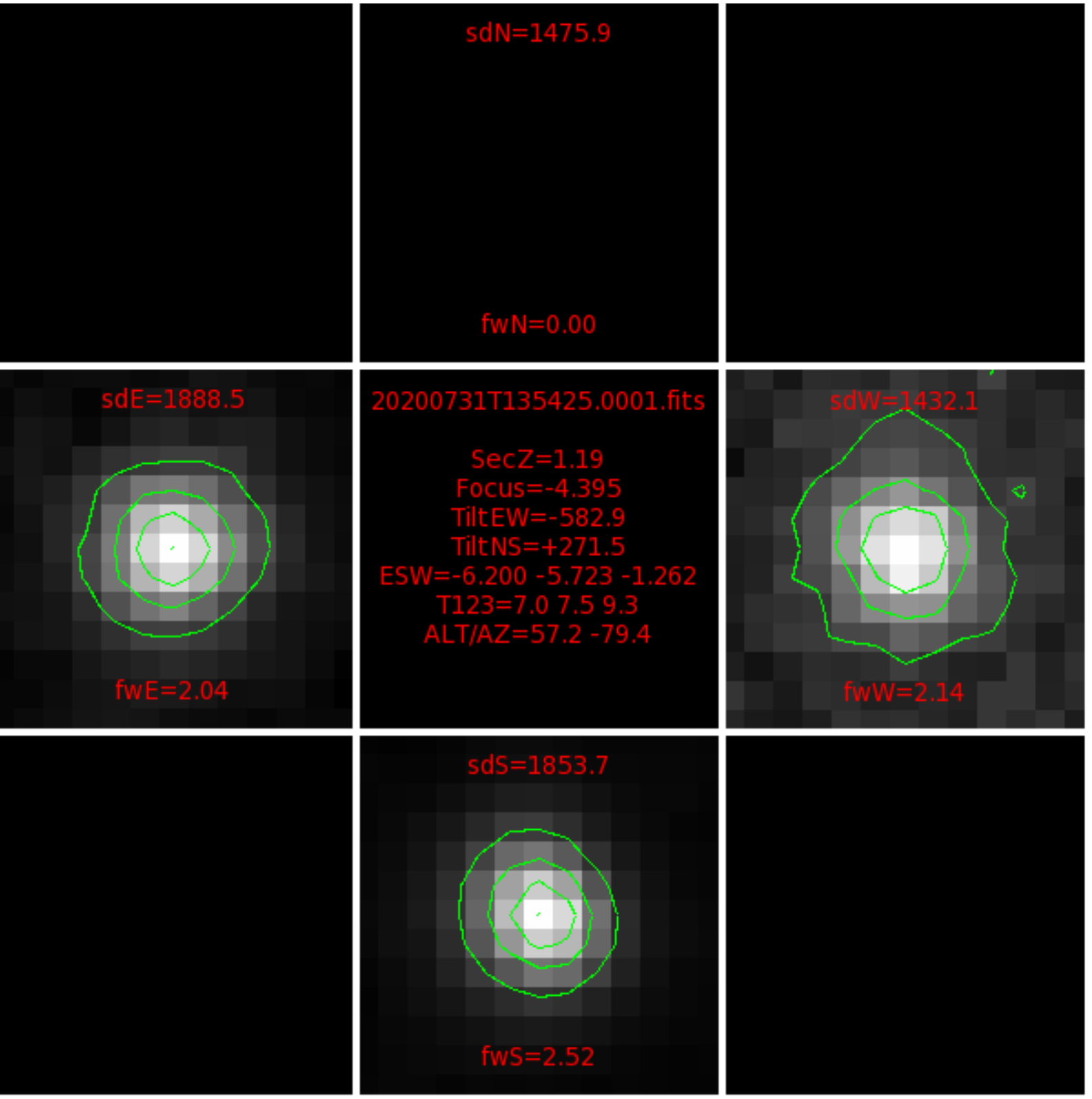
sdN=1475.9
fwN=0.00
sdE=1888.5
fwE=2.04
20200731T135425.0001.fits
SecZ=1.19
Focus=-4.395
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.200 -5.723 -1.262
T123=7.0 7.5 9.3
ALT/AZ=57.2 -79.4
sdW=1432.1
fwW=2.14
sdS=1853.7
fwS=2.52
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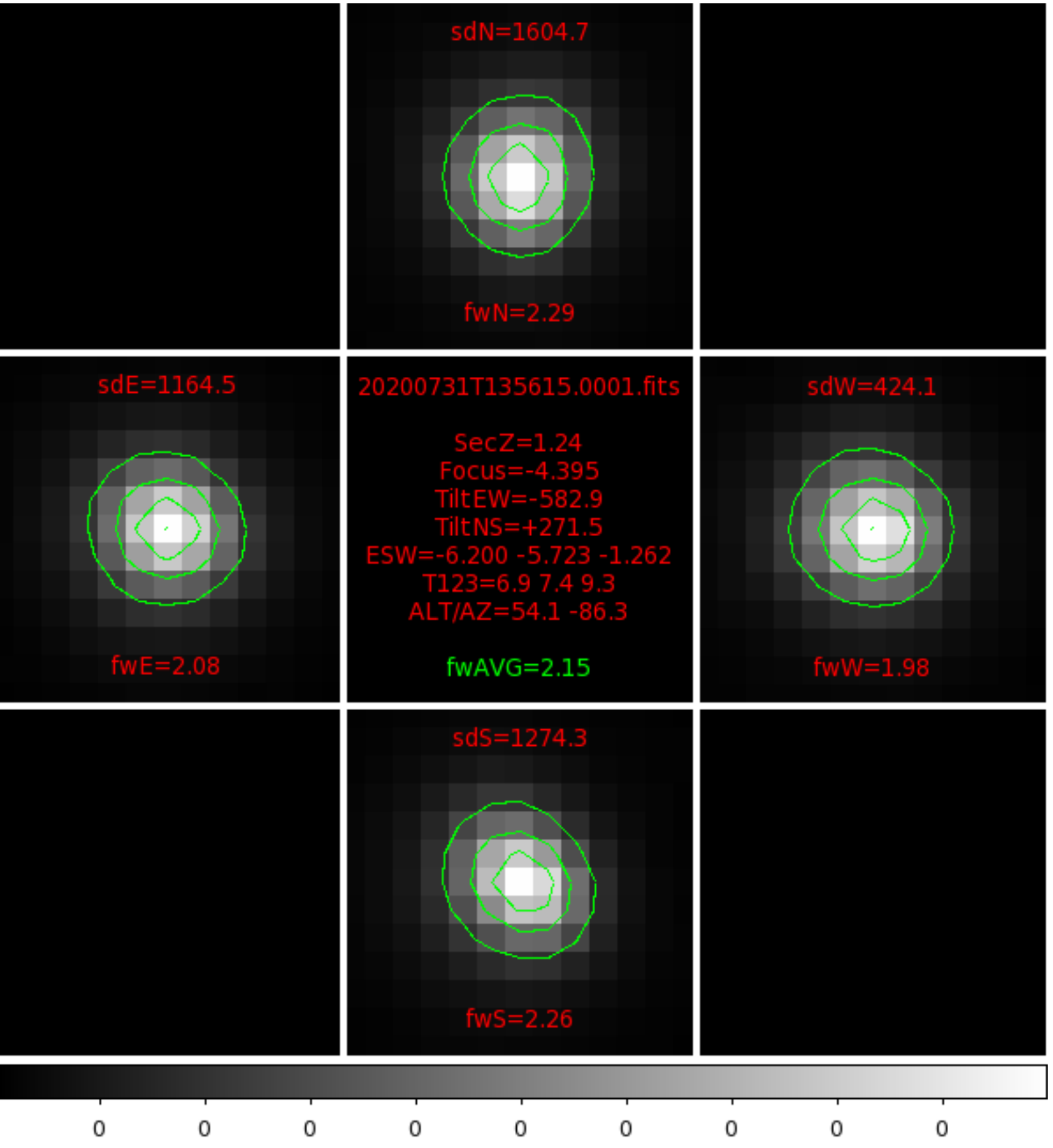
sdN=1604.7
fwN=2.29
sdE=1164.5
fwE=2.08
20200731T135615.0001.fits
SecZ=1.24
Focus=-4.395
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.200 -5.723 -1.262
T123=6.9 7.4 9.3
ALT/AZ=54.1 -86.3
fwAVG=2.15
sdW=424.1
fwW=1.98
sdS=1274.3
fwS=2.26
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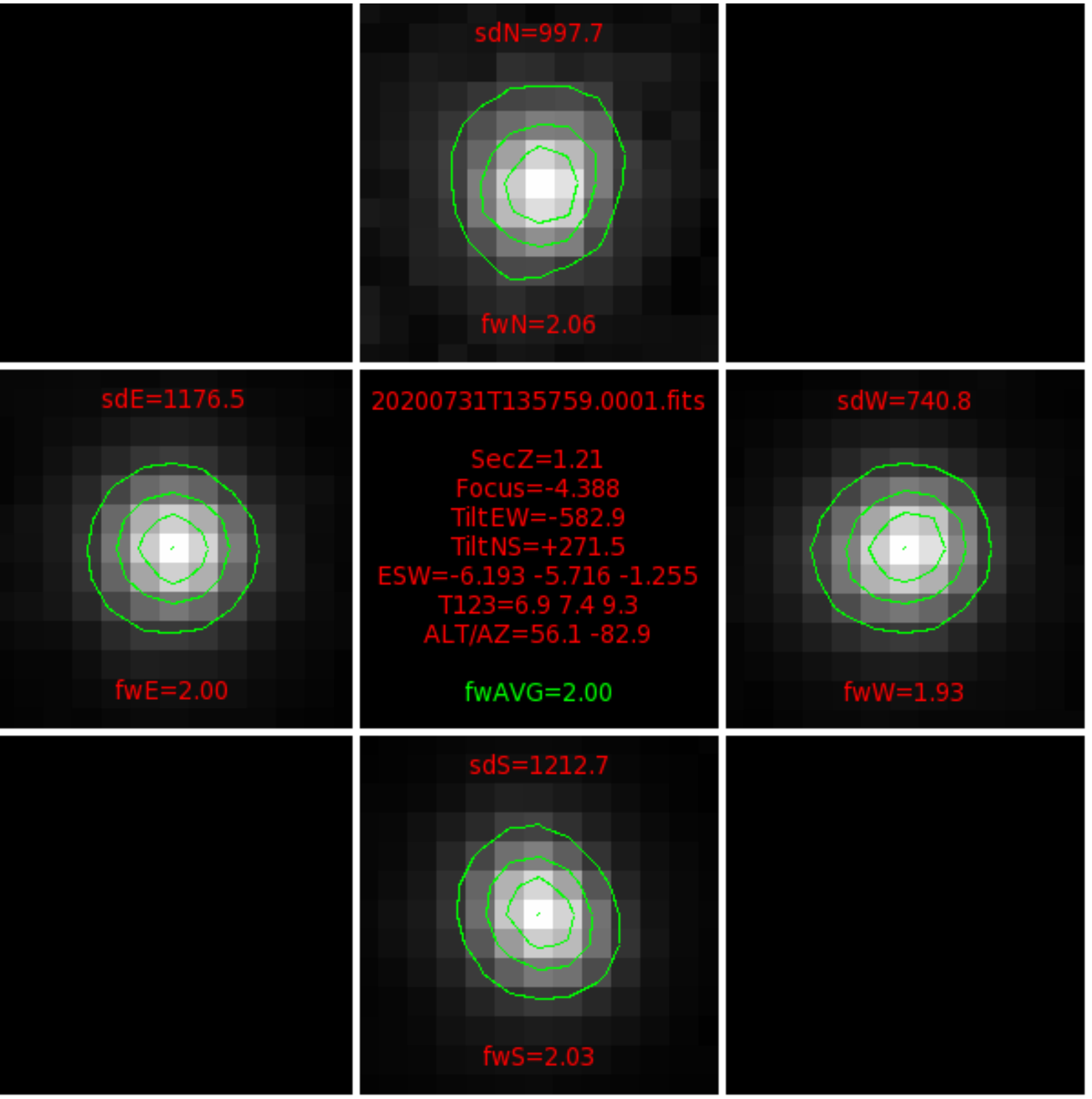
sdN=997.7
fwN=2.06
sdE=1176.5
fwE=2.00
20200731T135759.0001.fits
SecZ=1.21
Focus=-4.388
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.193 -5.716 -1.255
T123=6.9 7.4 9.3
ALT/AZ=56.1 -82.9
fwAVG=2.00
sdW=740.8
fwW=1.93
sdS=1212.7
fwS=2.03
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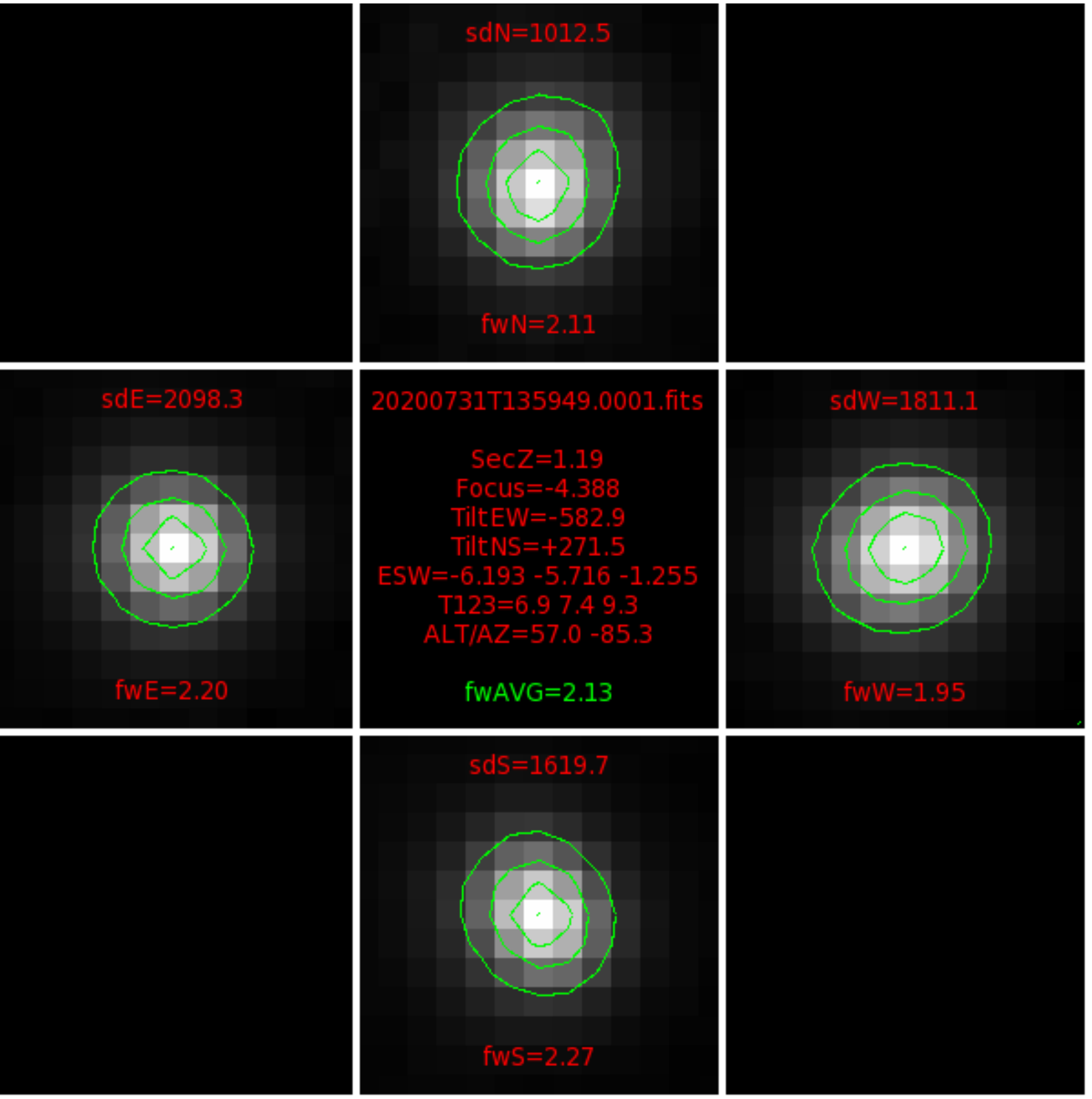
sdN=1012.5
fwN=2.11
sdE=2098.3
fwE=2.20
20200731T135949.0001.fits
SecZ=1.19
Focus=-4.388
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.193 -5.716 -1.255
T123=6.9 7.4 9.3
ALT/AZ=57.0 -85.3
fwAVG=2.13
sdW=1811.1
fwW=1.95
sdS=1619.7
fwS=2.27
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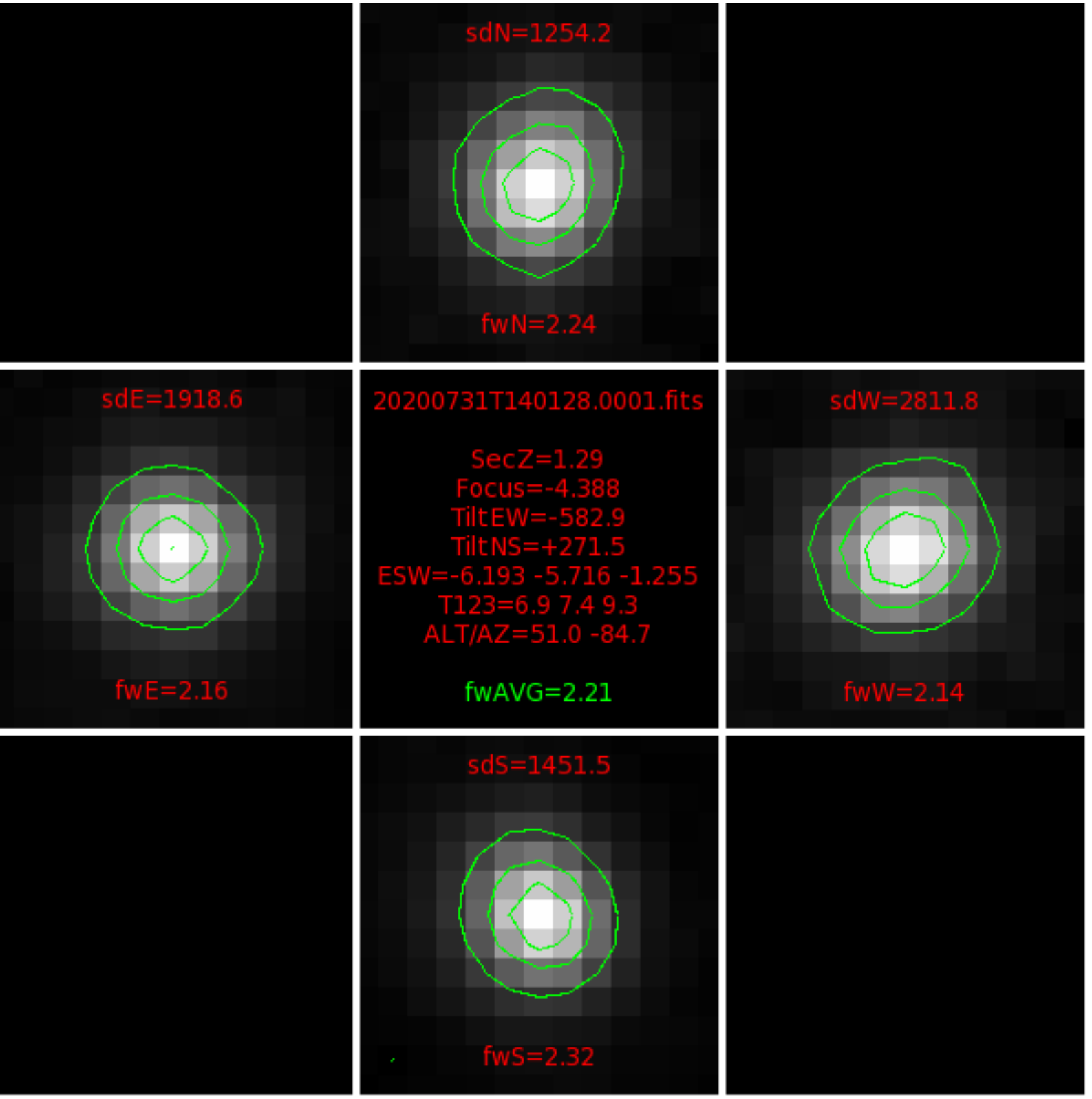
sdN=1254.2
fwN=2.24
sdE=1918.6
fwE=2.16
20200731T140128.0001.fits
SecZ=1.29
Focus=-4.388
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.193 -5.716 -1.255
T123=6.9 7.4 9.3
ALT/AZ=51.0 -84.7
fwAVG=2.21
sdW=2811.8
fwW=2.14
sdS=1451.5
fwS=2.32
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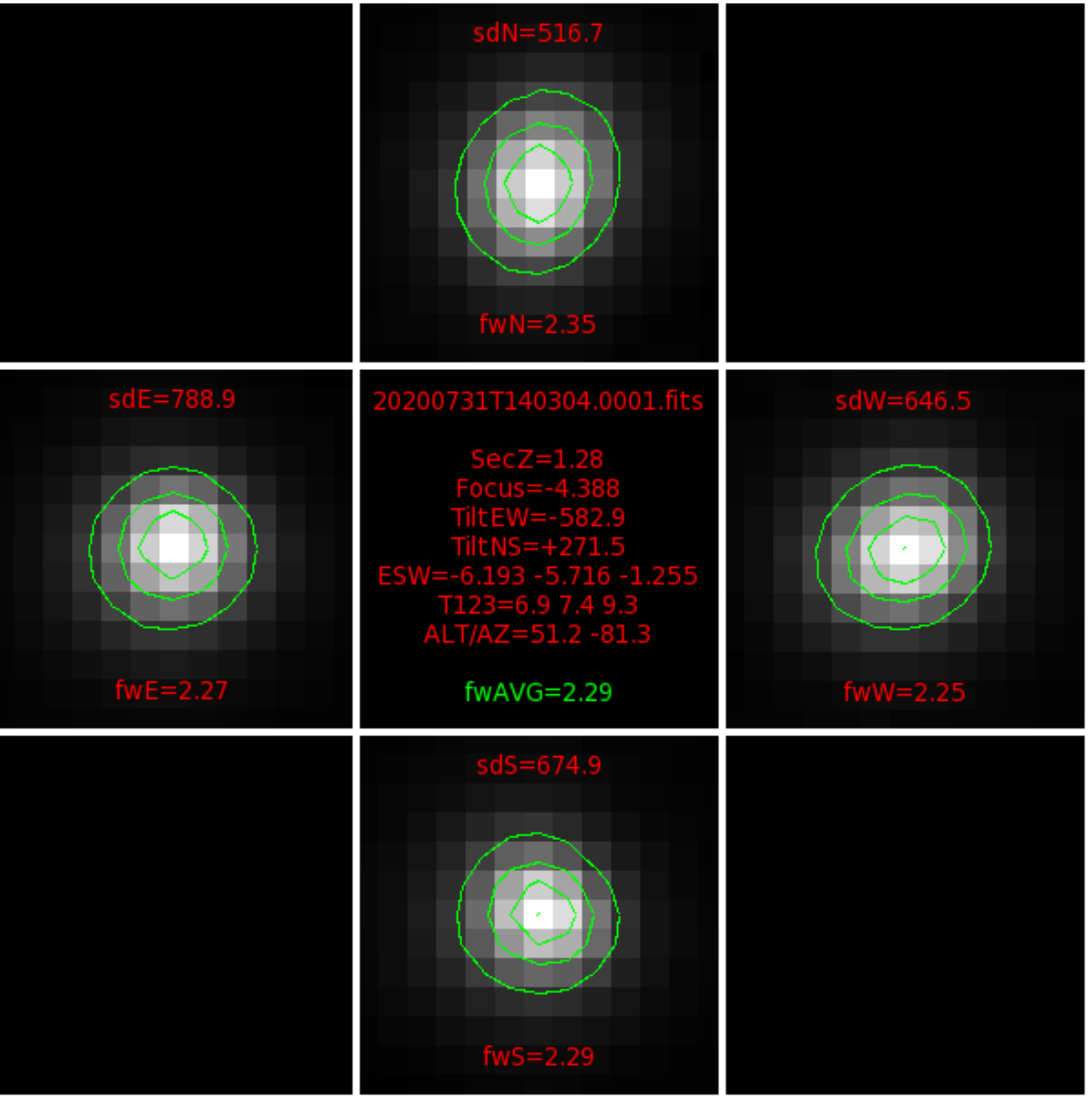
sdN=516.7
fwN=2.35
sdE=788.9
fwE=2.27
20200731T140304.0001.fits
SecZ=1.28
Focus=-4.388
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.193 -5.716 -1.255
T123=6.9 7.4 9.3
ALT/AZ=51.2 -81.3
fwAVG=2.29
sdW=646.5
fwW=2.25
sdS=674.9
fwS=2.29
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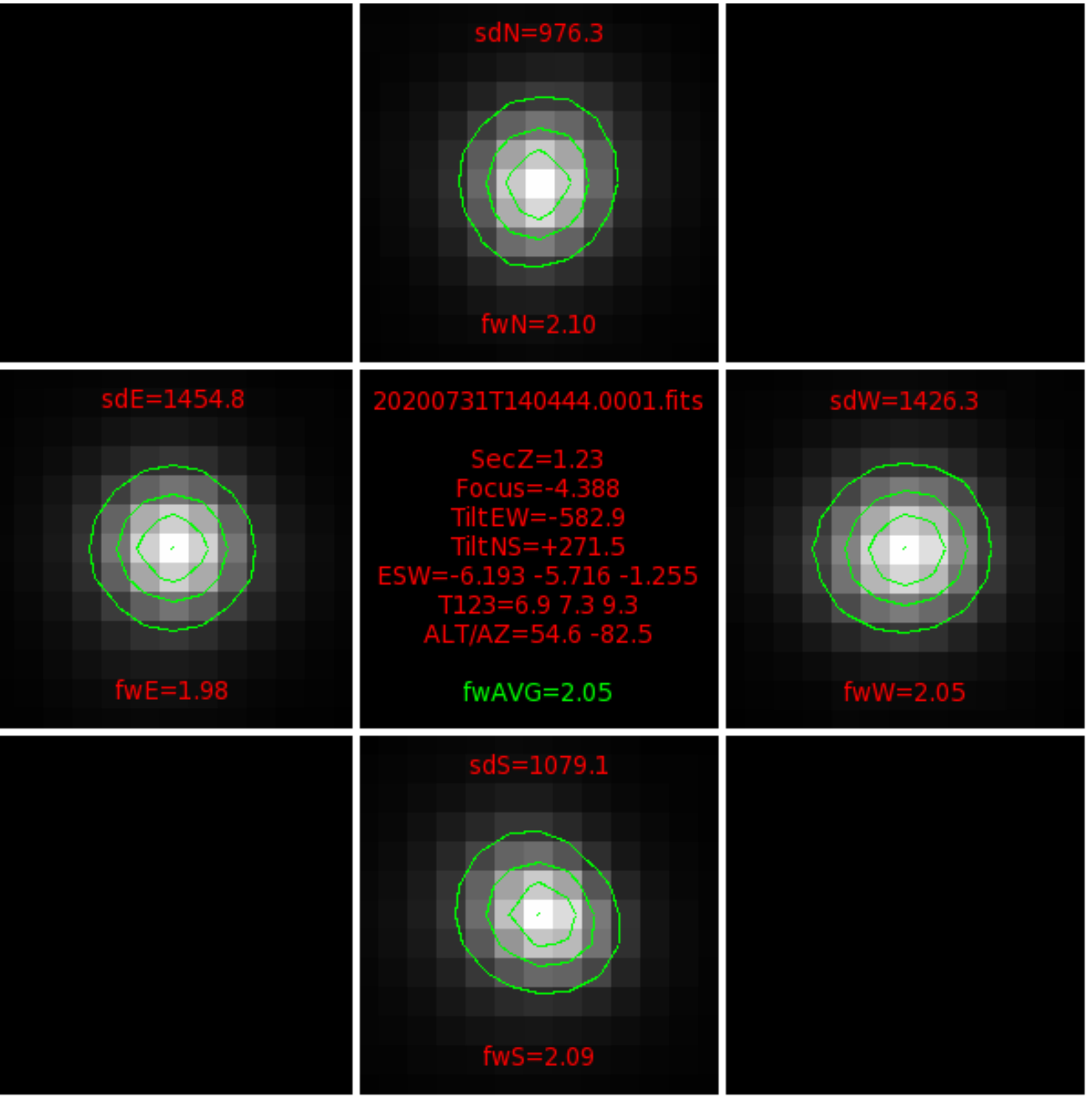
sdN=976.3
fwN=2.10
sdE=1454.8
fwE=1.98
20200731T140444.0001.fits
SecZ=1.23
Focus=-4.388
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.193 -5.716 -1.255
T123=6.9 7.3 9.3
ALT/AZ=54.6 -82.5
fwAVG=2.05
sdW=1426.3
fwW=2.05
sdS=1079.1
fwS=2.09
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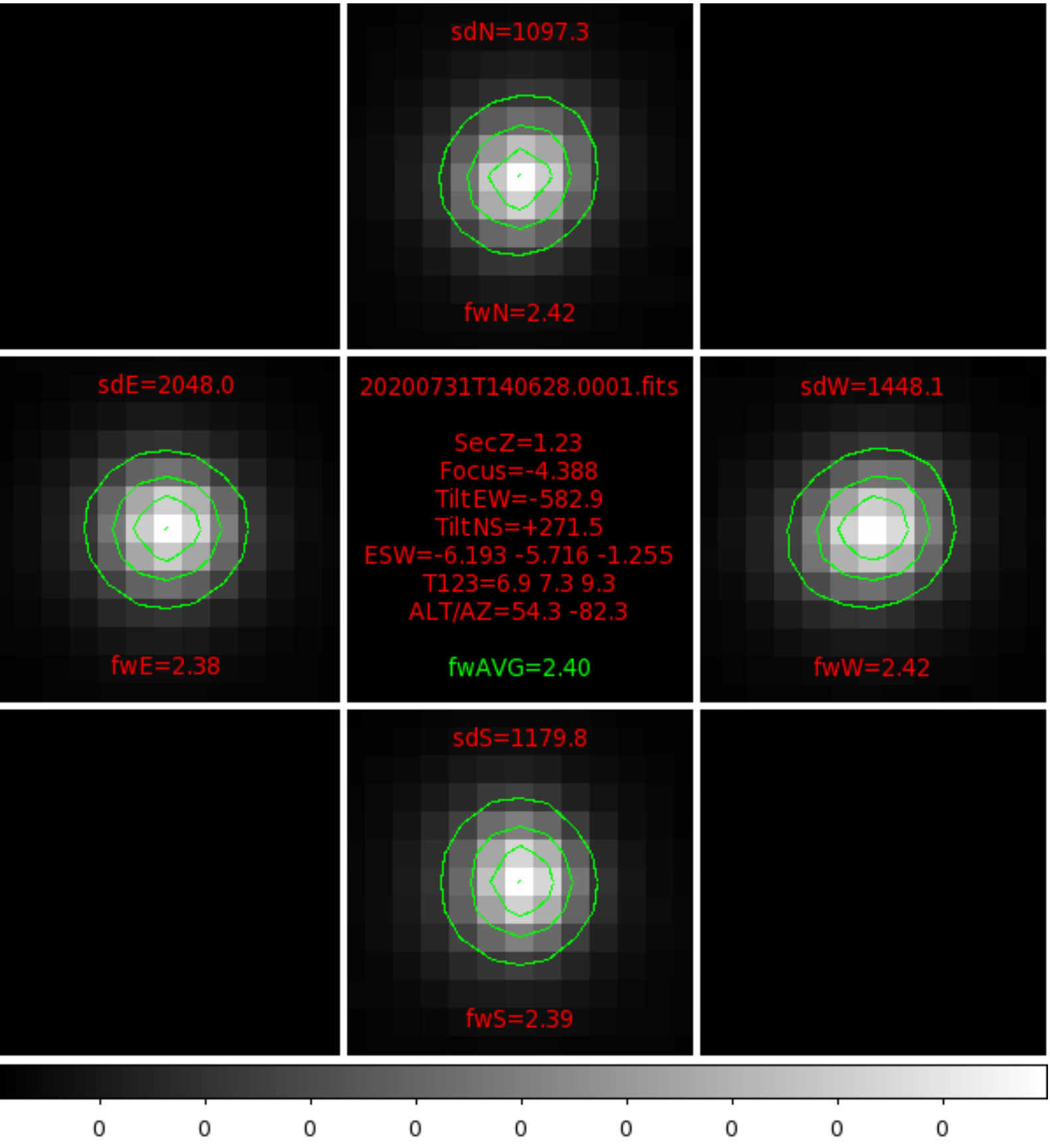
sdN=1097.3
fwN=2.42
sdE=2048.0
fwE=2.38
20200731T140628.0001.fits
SecZ=1.23
Focus=-4.388
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.193 -5.716 -1.255
T123=6.9 7.3 9.3
ALT/AZ=54.3 -82.3
fwAVG=2.40
sdW=1448.1
fwW=2.42
sdS=1179.8
fwS=2.39
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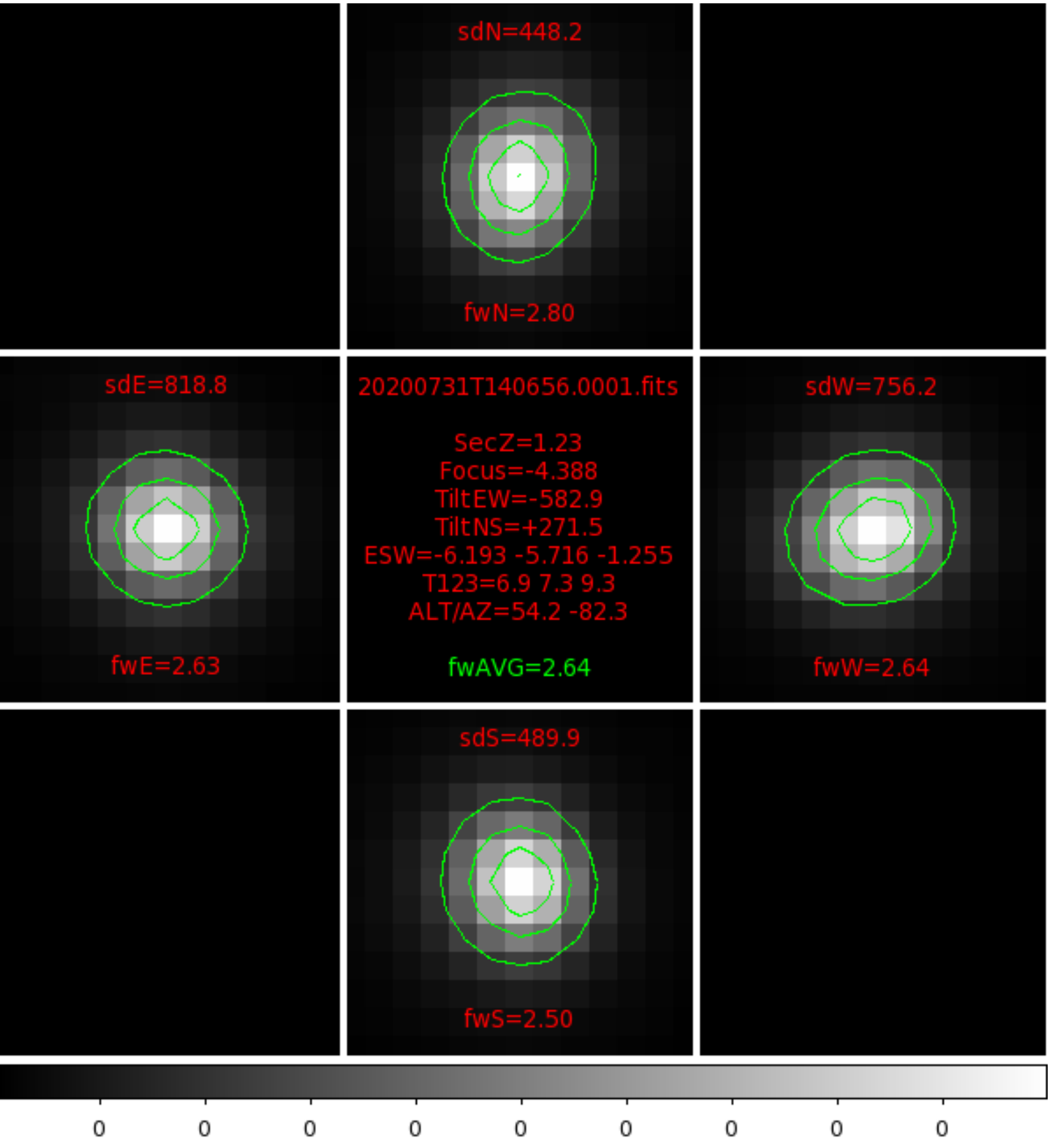
sdN=448.2
fwN=2.80
sdE=818.8
fwE=2.63
20200731T140656.0001.fits
SecZ=1.23
Focus=-4.388
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.193 -5.716 -1.255
T123=6.9 7.3 9.3
ALT/AZ=54.2 -82.3
fwAVG=2.64
sdW=756.2
fwW=2.64
sdS=489.9
fwS=2.50
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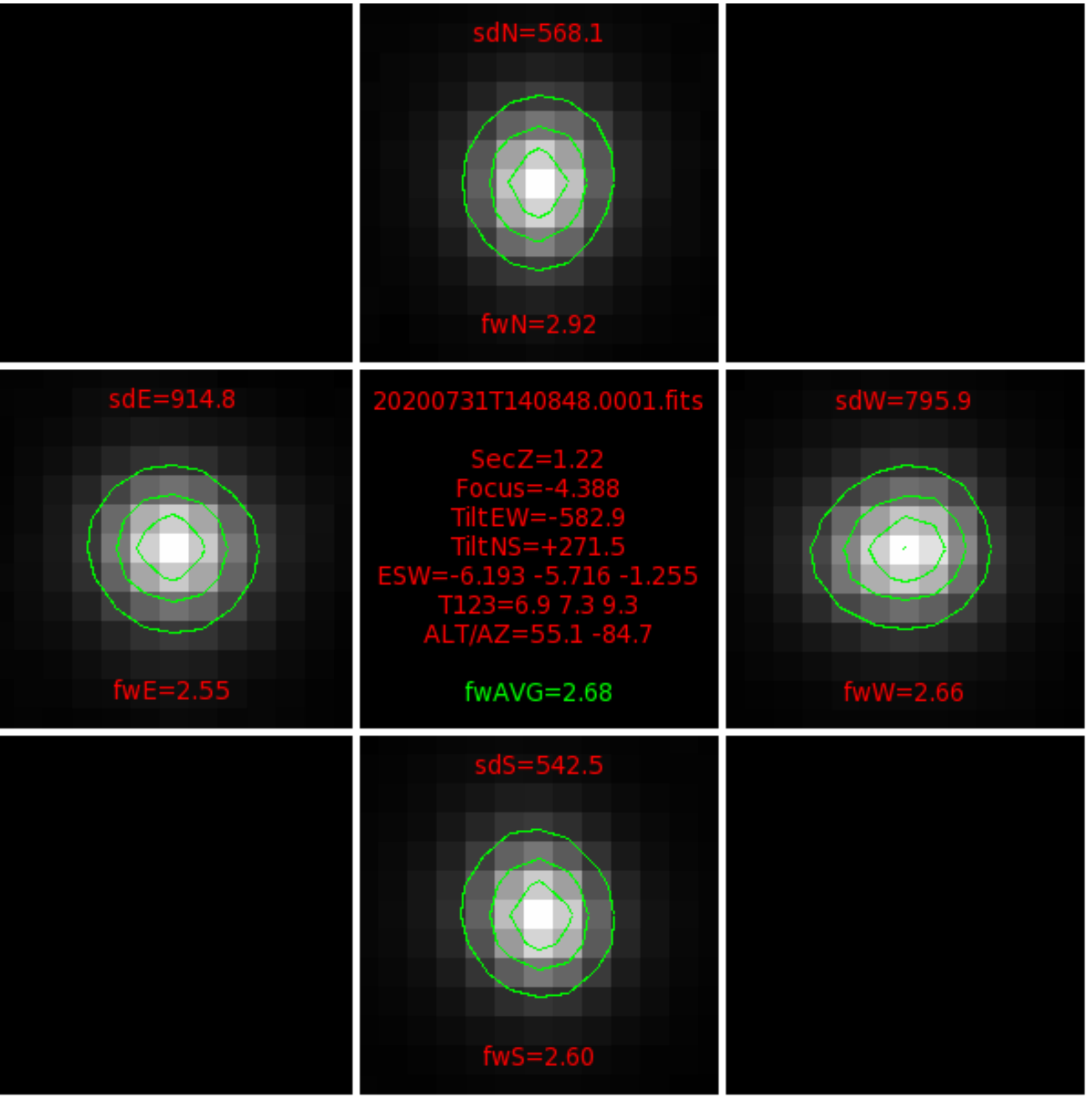
sdN=568.1
fwN=2.92
sdE=914.8
fwE=2.55
20200731T140848.0001.fits
SecZ=1.22
Focus=-4.388
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.193 -5.716 -1.255
T123=6.9 7.3 9.3
ALT/AZ=55.1 -84.7
fwAVG=2.68
sdW=795.9
fwW=2.66
sdS=542.5
fwS=2.60
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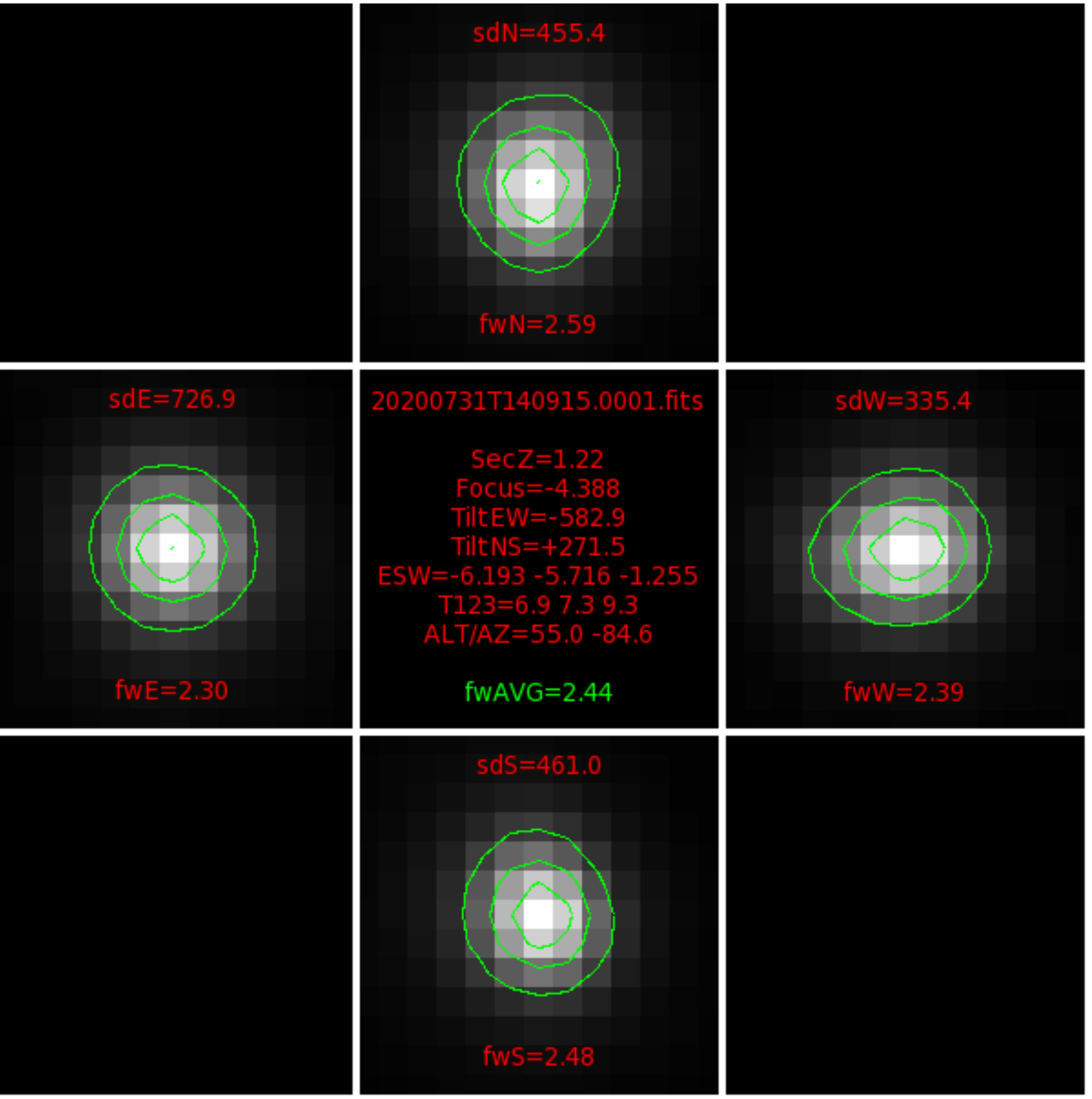
sdN=455.4
fwN=2.59
sdE=726.9
fwE=2.30
20200731T140915.0001.fits
SecZ=1.22
Focus=-4.388
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.193 -5.716 -1.255
T123=6.9 7.3 9.3
ALT/AZ=55.0 -84.6
fwAVG=2.44
sdW=335.4
fwW=2.39
sdS=461.0
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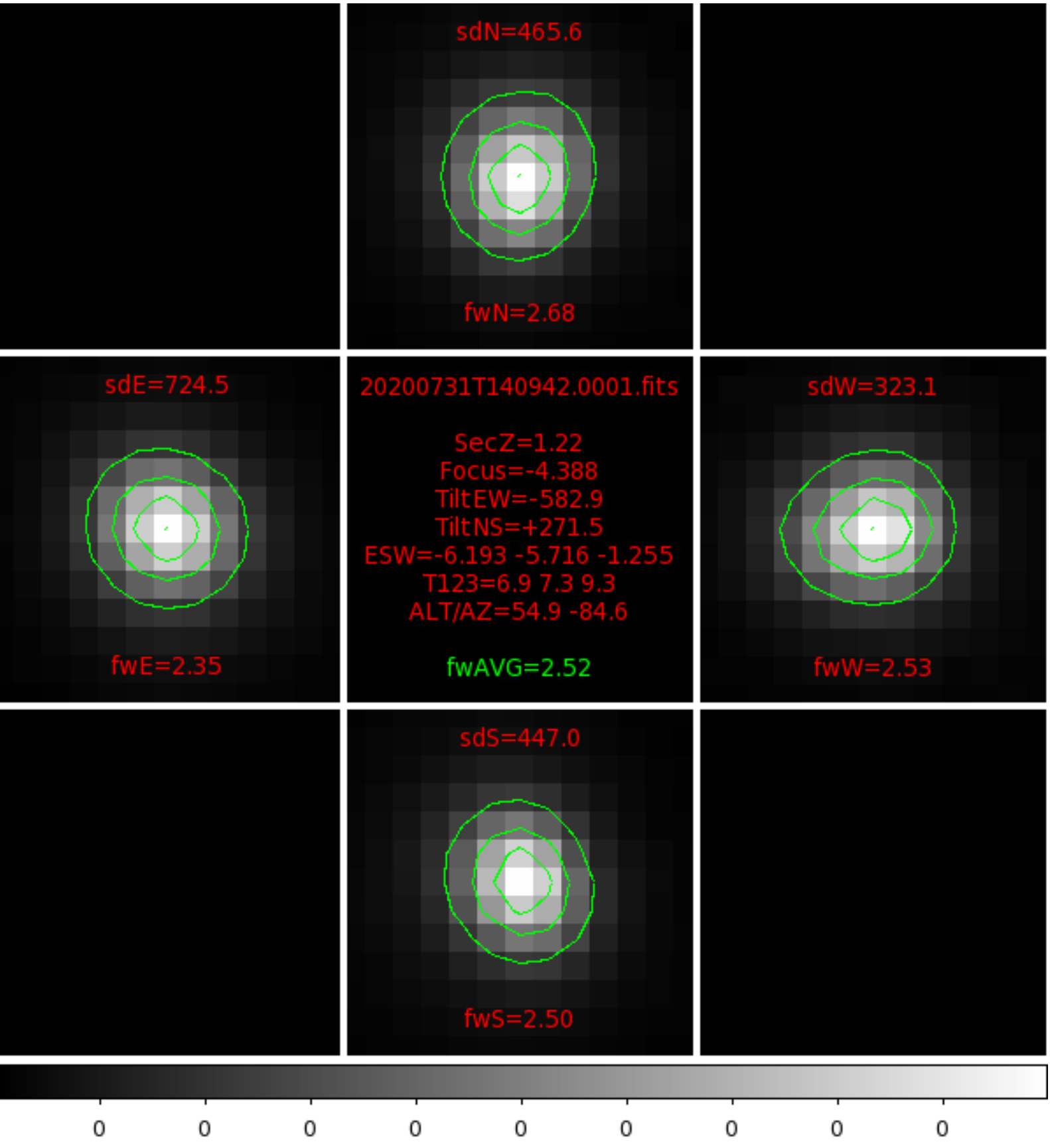
sdN=465.6
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sdE=724.5
fwE=2.35
20200731T140942.0001.fits
SecZ=1.22
Focus=-4.388
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.193 -5.716 -1.255
T123=6.9 7.3 9.3
ALT/AZ=54.9 -84.6
fwAVG=2.52
sdW=323.1
fwW=2.53
sdS=447.0
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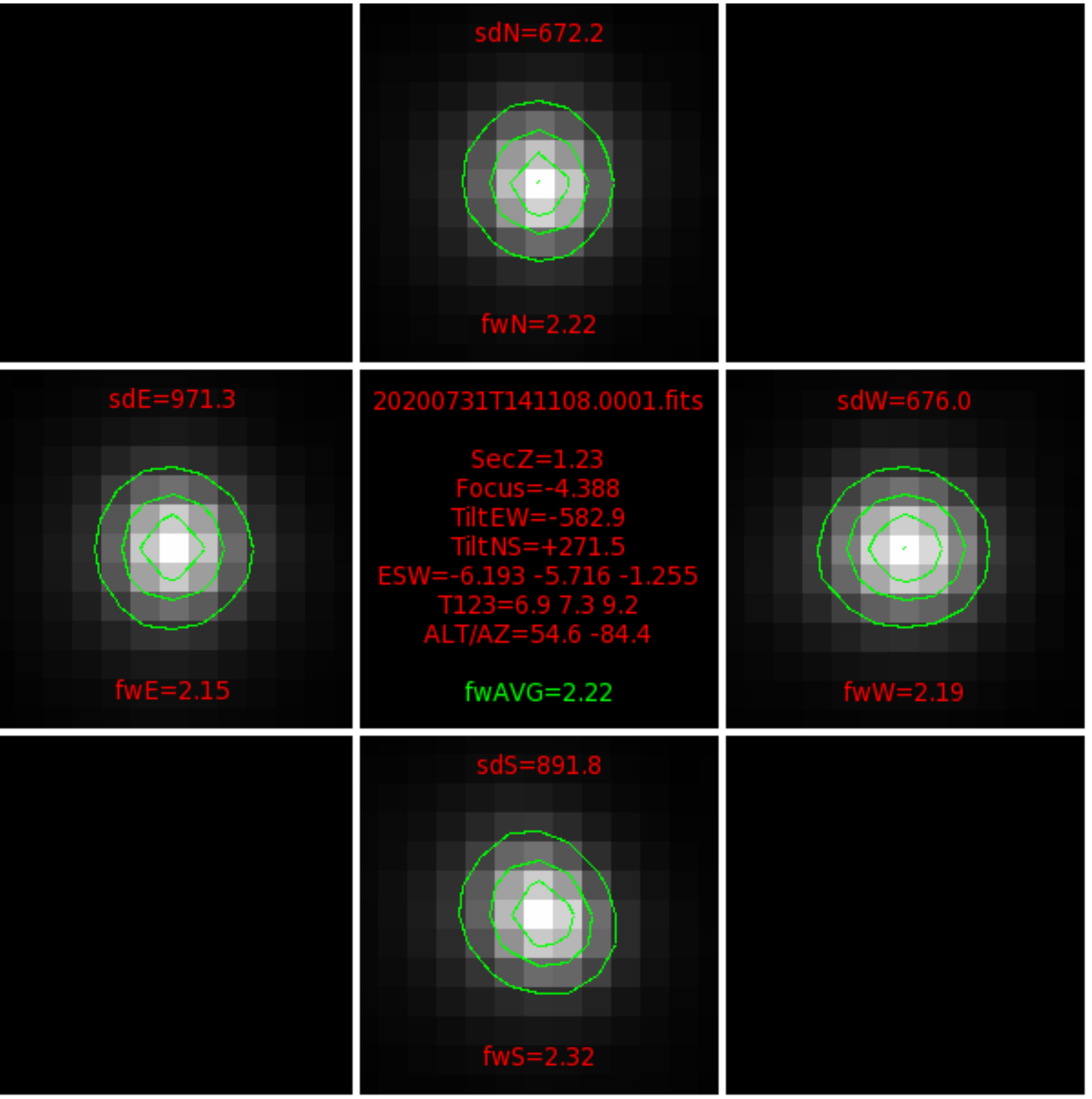
sdN=672.2
fwN=2.22
sdE=971.3
fwE=2.15
20200731T141108.0001.fits
SecZ=1.23
Focus=-4.388
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.193 -5.716 -1.255
T123=6.9 7.3 9.2
ALT/AZ=54.6 -84.4
fwAVG=2.22
sdW=676.0
fwW=2.19
sdS=891.8
fwS=2.32
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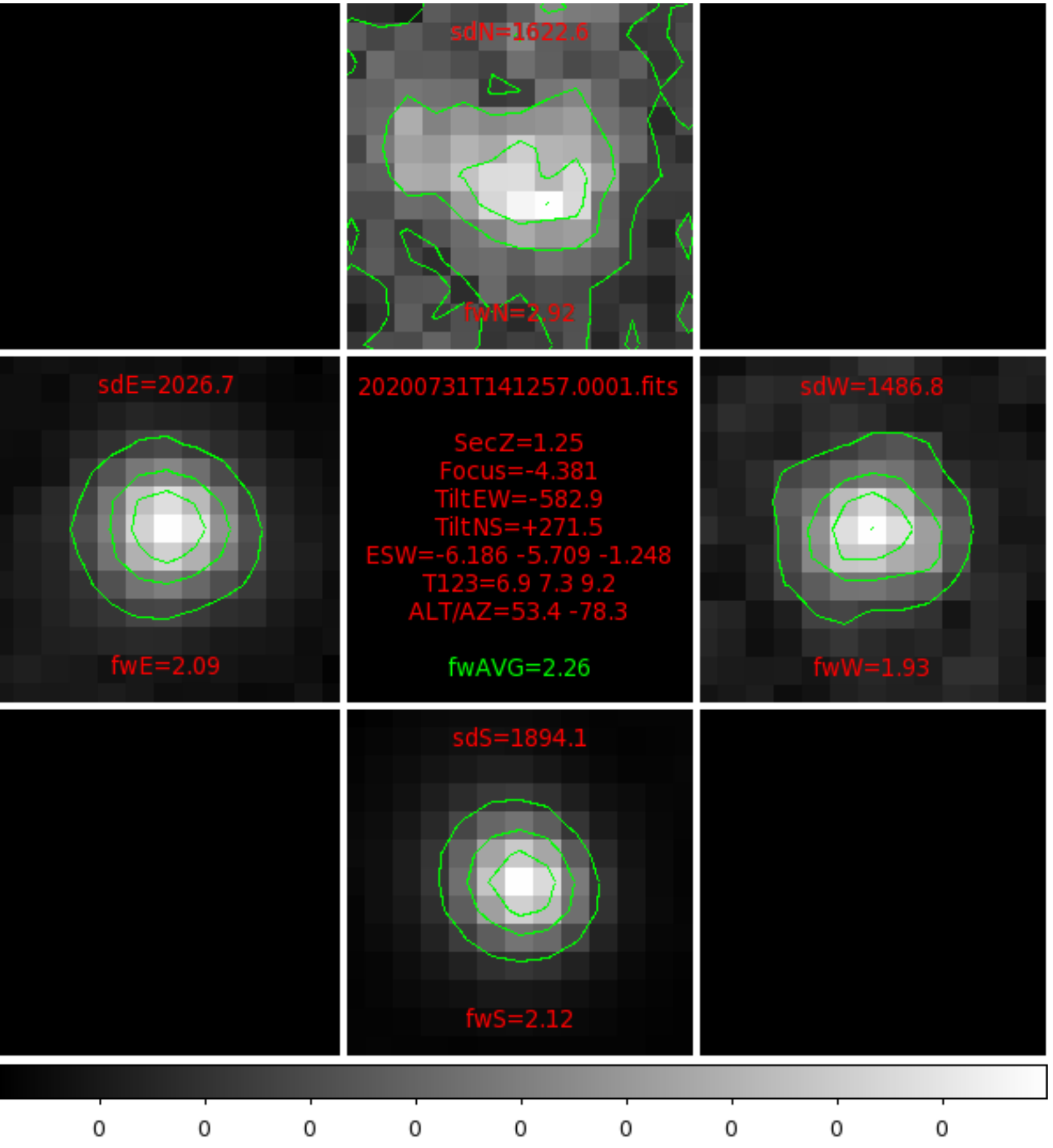
sdN=1622.6
fwN=2.92
sdE=2026.7
fwE=2.09
20200731T141257.0001.fits
SecZ=1.25
Focus=-4.381
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.186 -5.709 -1.248
T123=6.9 7.3 9.2
ALT/AZ=53.4 -78.3
fwAVG=2.26
sdW=1486.8
fwW=1.93
sdS=1894.1
fwS=2.12
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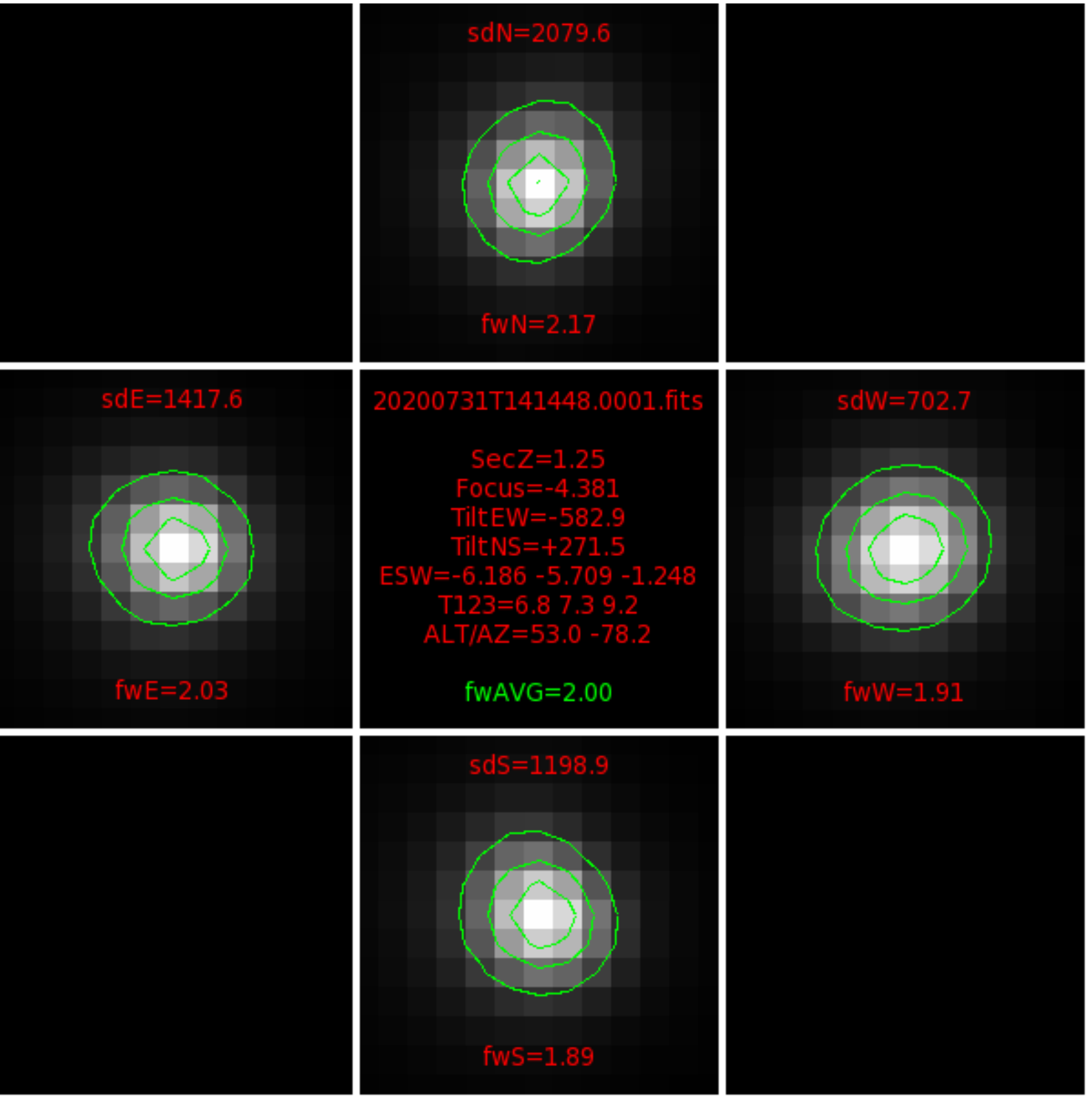
sdN=2079.6
fwN=2.17
sdE=1417.6
fwE=2.03
20200731T141448.0001.fits
SecZ=1.25
Focus=-4.381
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.186 -5.709 -1.248
T123=6.8 7.3 9.2
ALT/AZ=53.0 -78.2
fwAVG=2.00
sdW=702.7
fwW=1.91
sdS=1198.9
fwS=1.89
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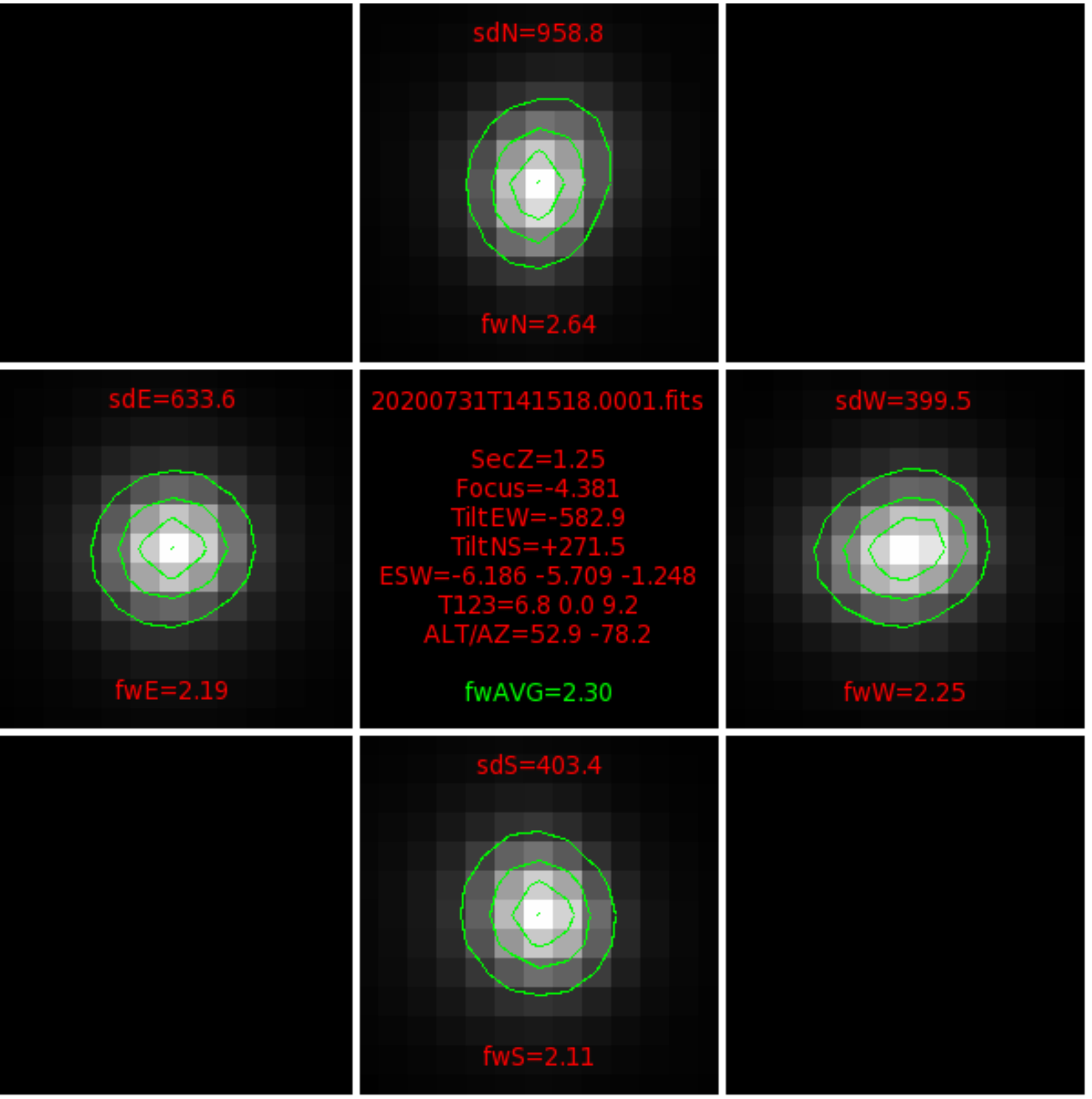
sdN=958.8
fwN=2.64
sdE=633.6
fwE=2.19
20200731T141518.0001.fits
SecZ=1.25
Focus=-4.381
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.186 -5.709 -1.248
T123=6.8 0.0 9.2
ALT/AZ=52.9 -78.2
fwAVG=2.30
sdW=399.5
fwW=2.25
sdS=403.4
fwS=2.11
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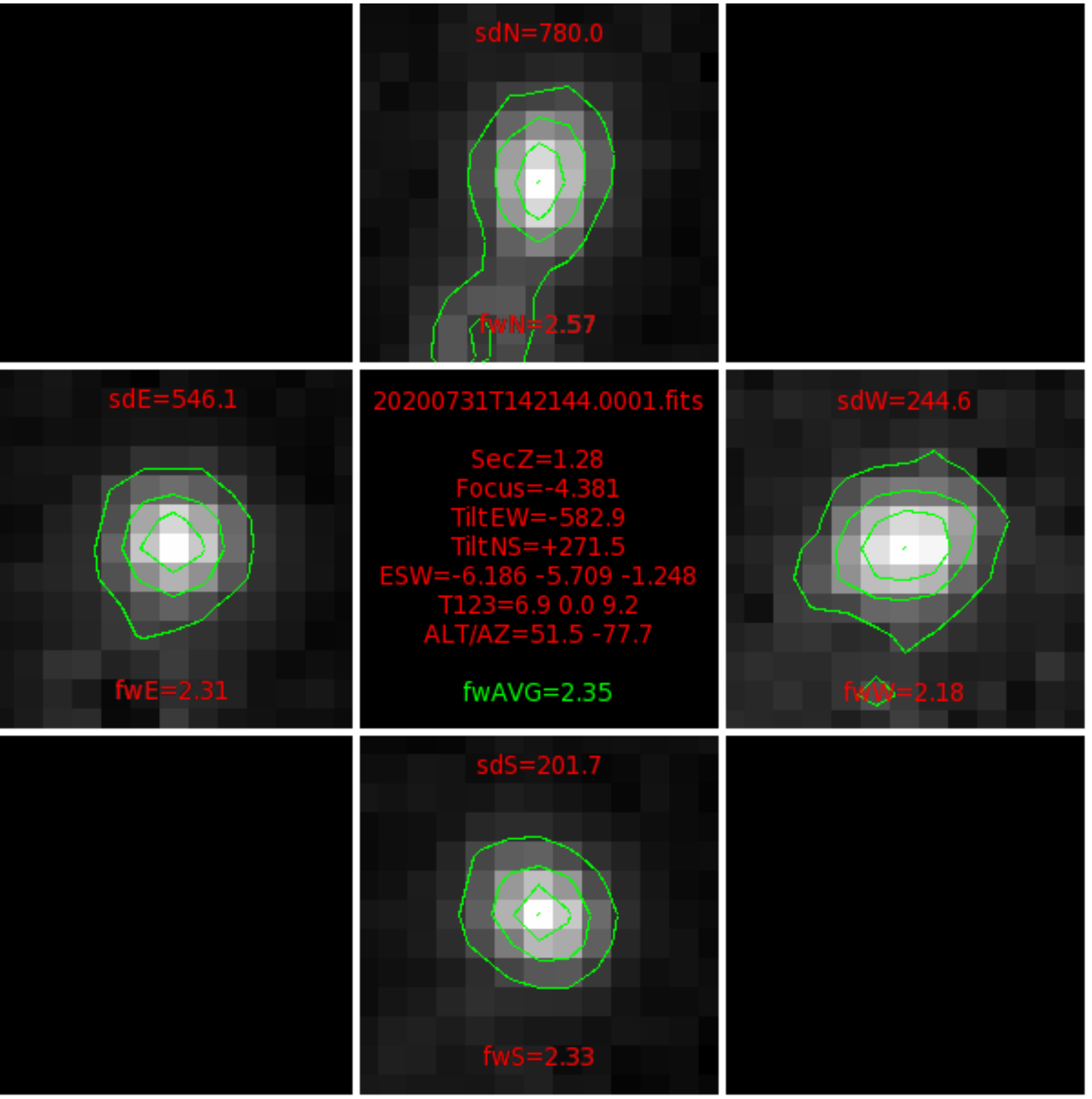
sdN=780.0
fwN=2.57
sdE=546.1
fwE=2.31
20200731T142144.0001.fits
SecZ=1.28
Focus=-4.381
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.186 -5.709 -1.248
T123=6.9 0.0 9.2
ALT/AZ=51.5 -77.7
fwAVG=2.35
sdW=244.6
fwW=2.18
sdS=201.7
fwS=2.33
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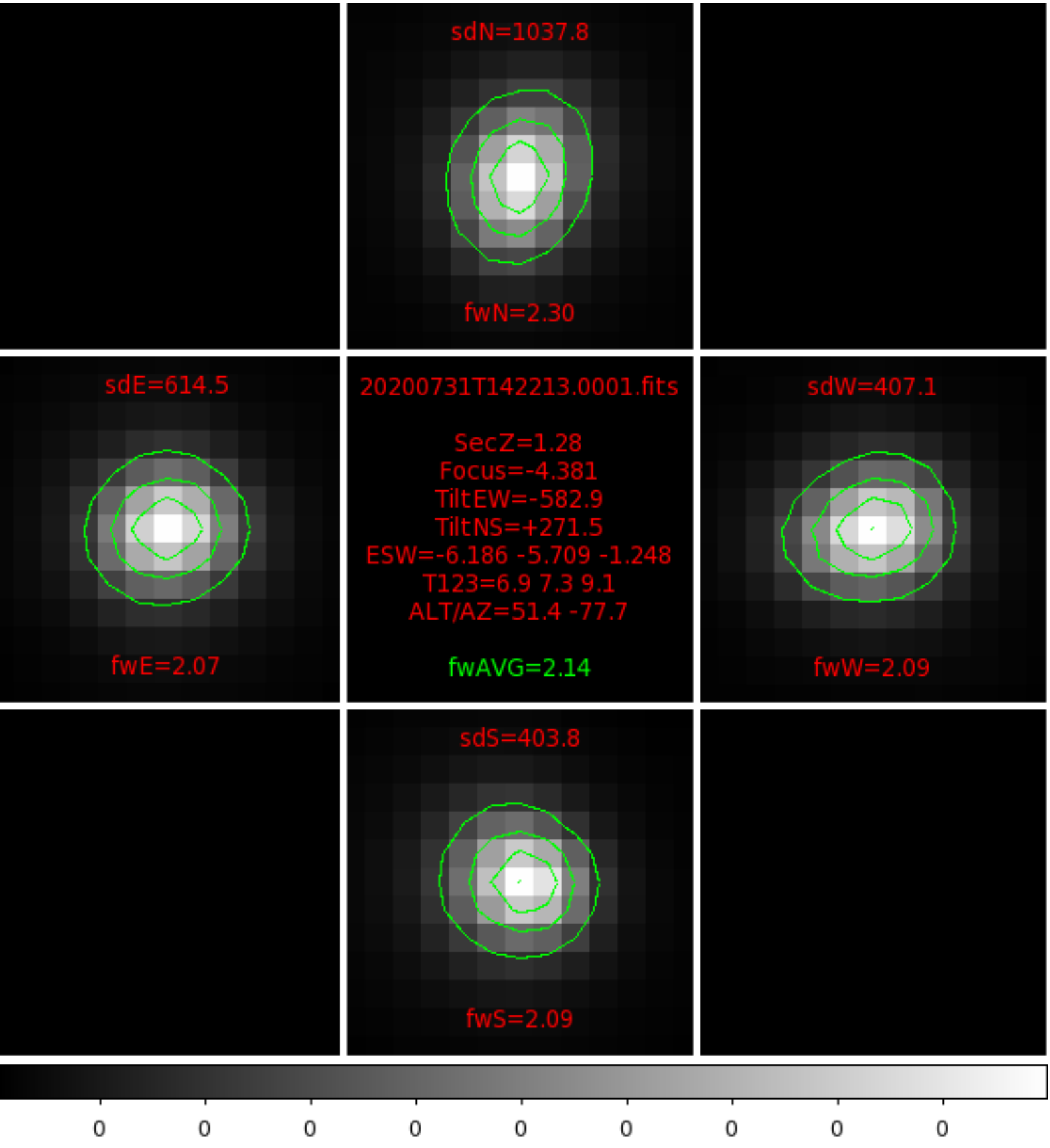
sdN=1037.8
fwN=2.30
sdE=614.5
fwE=2.07
20200731T142213.0001.fits
SecZ=1.28
Focus=-4.381
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.186 -5.709 -1.248
T123=6.9 7.3 9.1
ALT/AZ=51.4 -77.7
fwAVG=2.14
sdW=407.1
fwW=2.09
sdS=403.8
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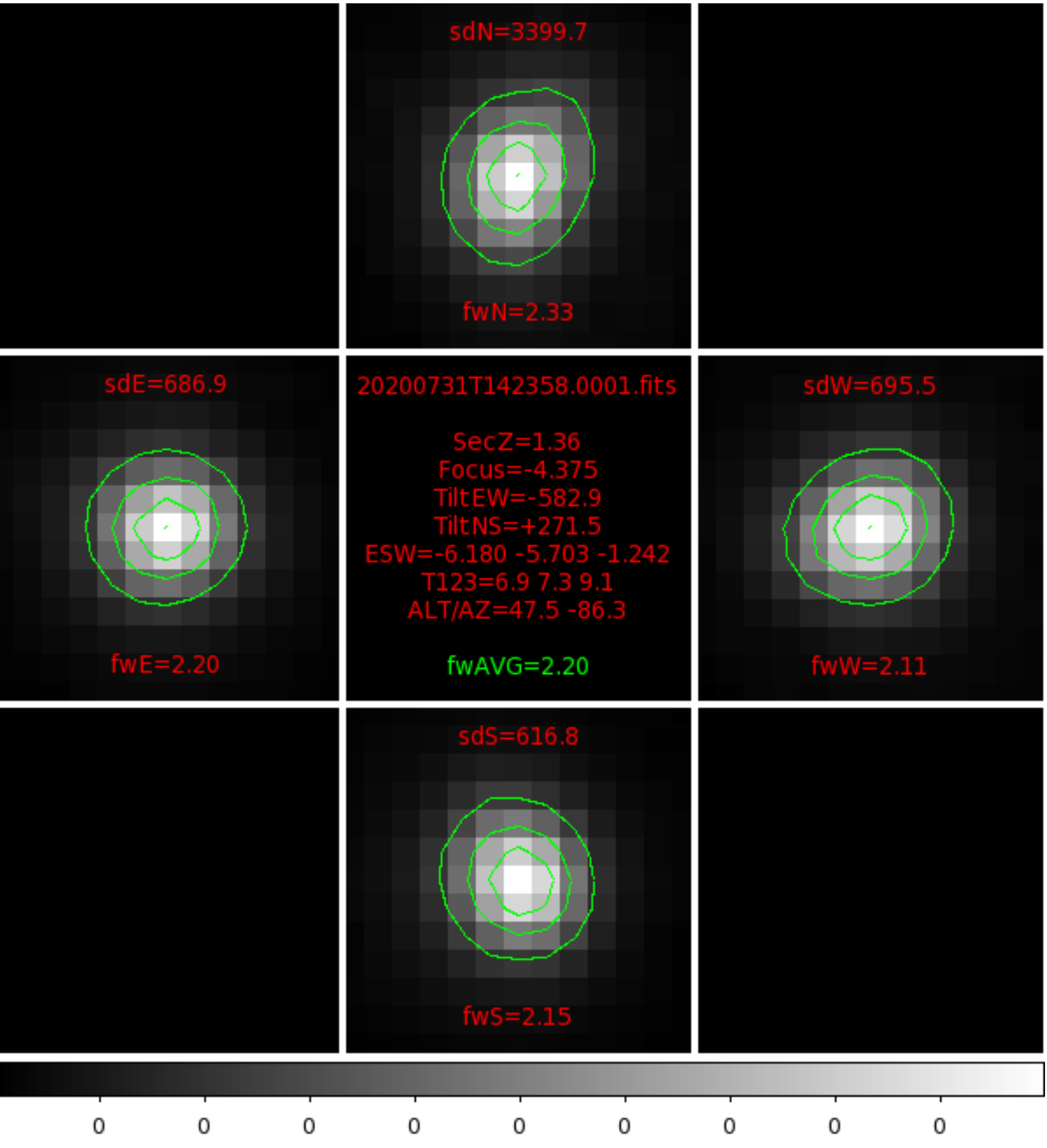
sdN=3399.7
fwN=2.33
sdE=686.9
fwE=2.20
20200731T142358.0001.fits
SecZ=1.36
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.9 7.3 9.1
ALT/AZ=47.5 -86.3
fwAVG=2.20
sdW=695.5
fwW=2.11
sdS=616.8
fwS=2.15
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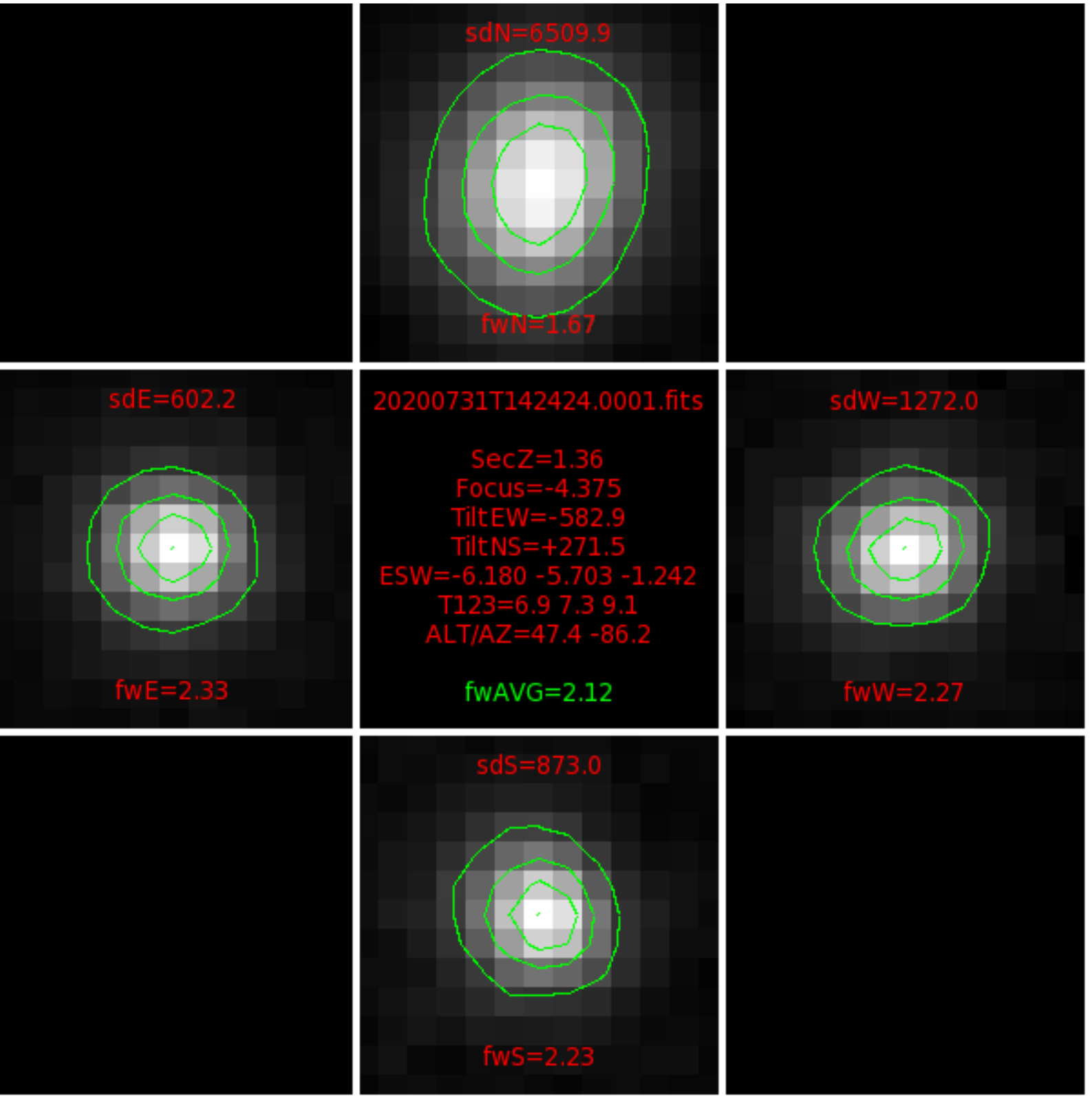
sdN=6509.9
fwN=1.67
sdE=602.2
fwE=2.33
20200731T142424.0001.fits
SecZ=1.36
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.9 7.3 9.1
ALT/AZ=47.4 -86.2
fwAVG=2.12
sdW=1272.0
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sdS=873.0
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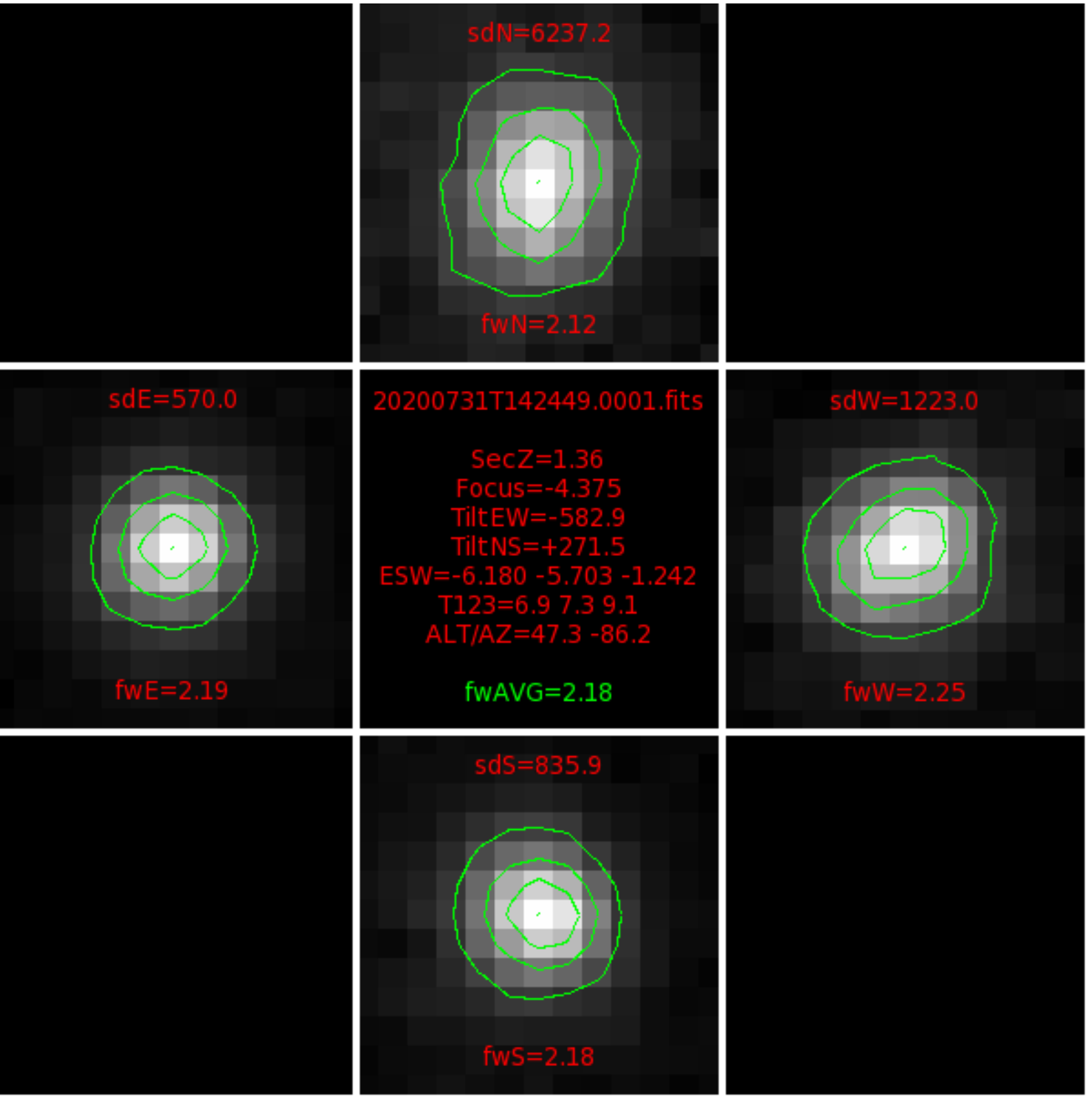
sdN=6237.2
fwN=2.12
sdE=570.0
fwE=2.19
20200731T142449.0001.fits
SecZ=1.36
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.9 7.3 9.1
ALT/AZ=47.3 -86.2
fwAVG=2.18
sdW=1223.0
fwW=2.25
sdS=835.9
fwS=2.18
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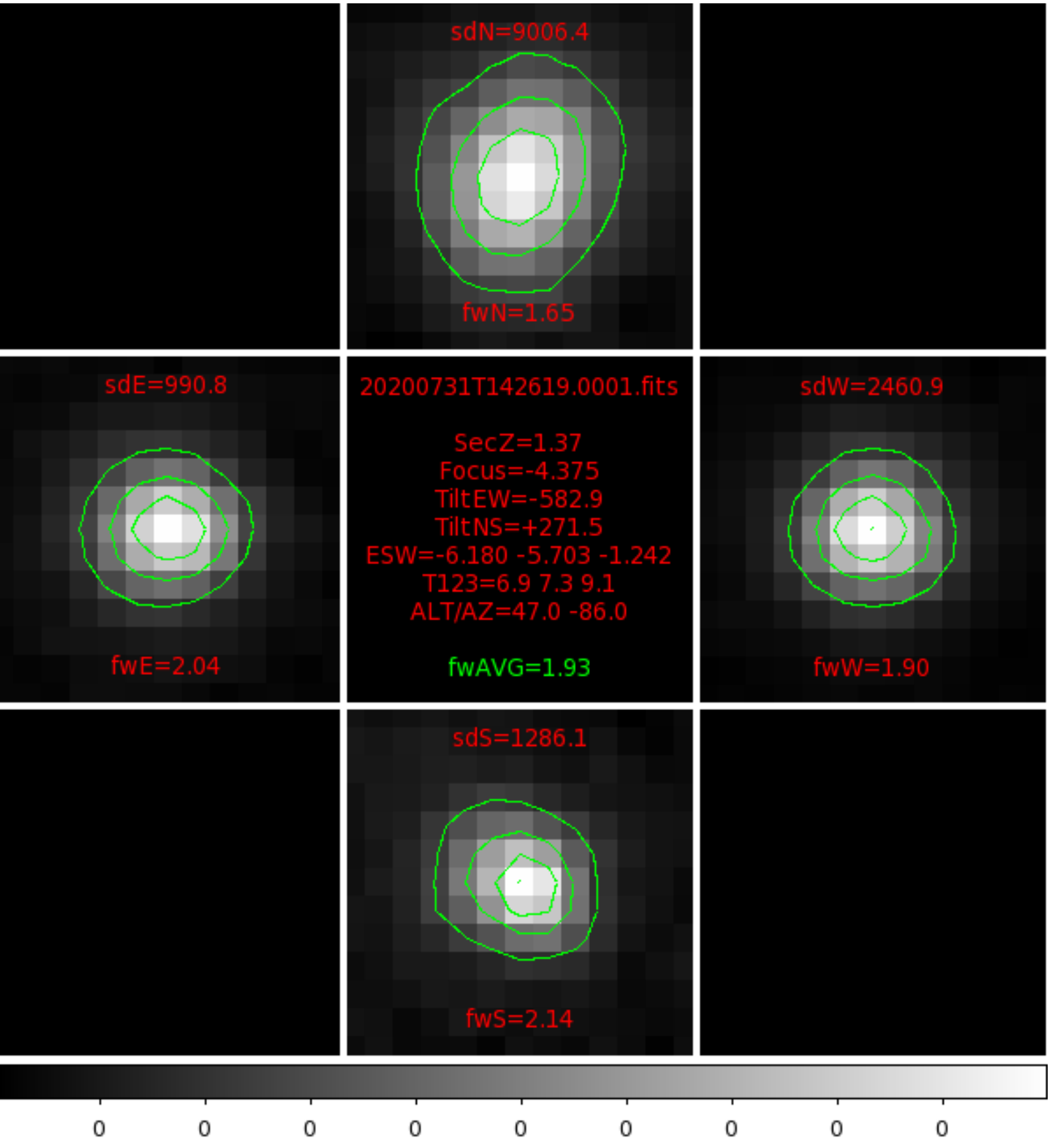
sdN=9006.4
fwN=1.65
sdE=990.8
fwE=2.04
20200731T142619.0001.fits
SecZ=1.37
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.9 7.3 9.1
ALT/AZ=47.0 -86.0
fwAVG=1.93
sdW=2460.9
fwW=1.90
sdS=1286.1
fwS=2.14
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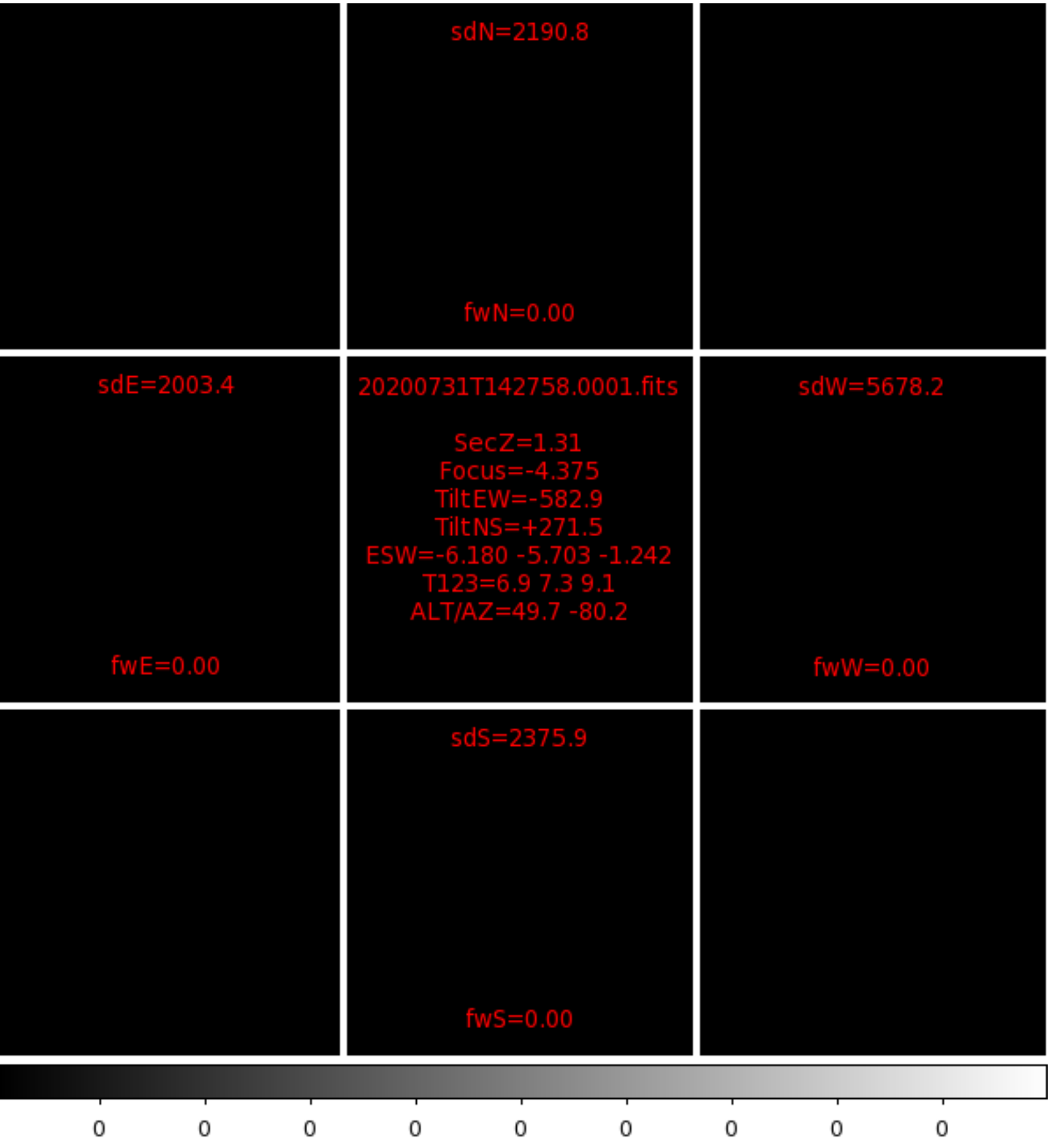
sdN=2190.8
fwN=0.00
sdE=2003.4
fwE=0.00
20200731T142758.0001.fits
SecZ=1.31
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.9 7.3 9.1
ALT/AZ=49.7 -80.2
sdW=5678.2
fwW=0.00
sdS=2375.9
fwS=0.00
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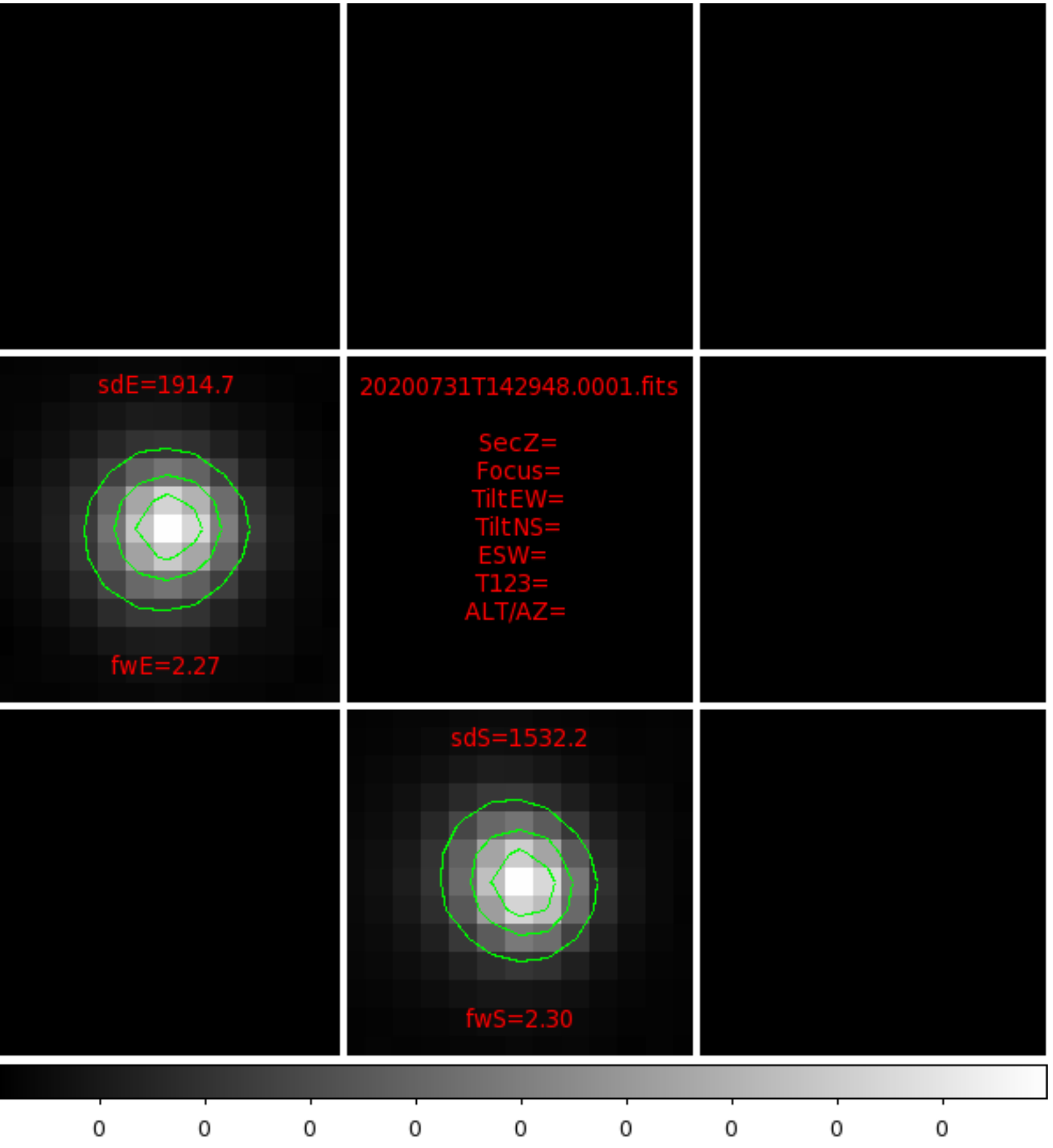
sdE=1914.7
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SecZ=
Focus=
TiltEW=
TiltNS=
ESW=
T123=
ALT/AZ=
fwE=2.27
sdS=1532.2
fwS=2.30
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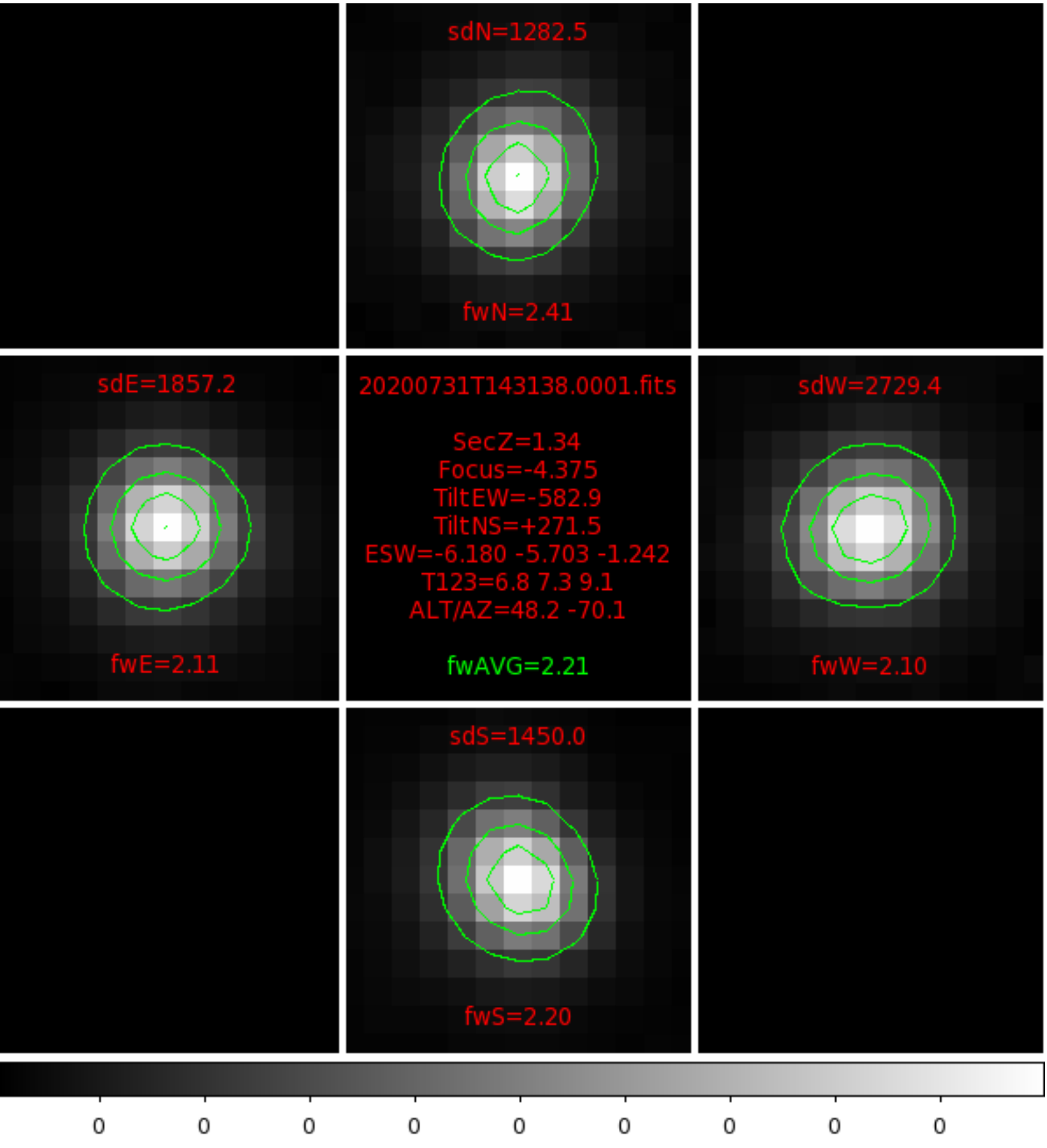
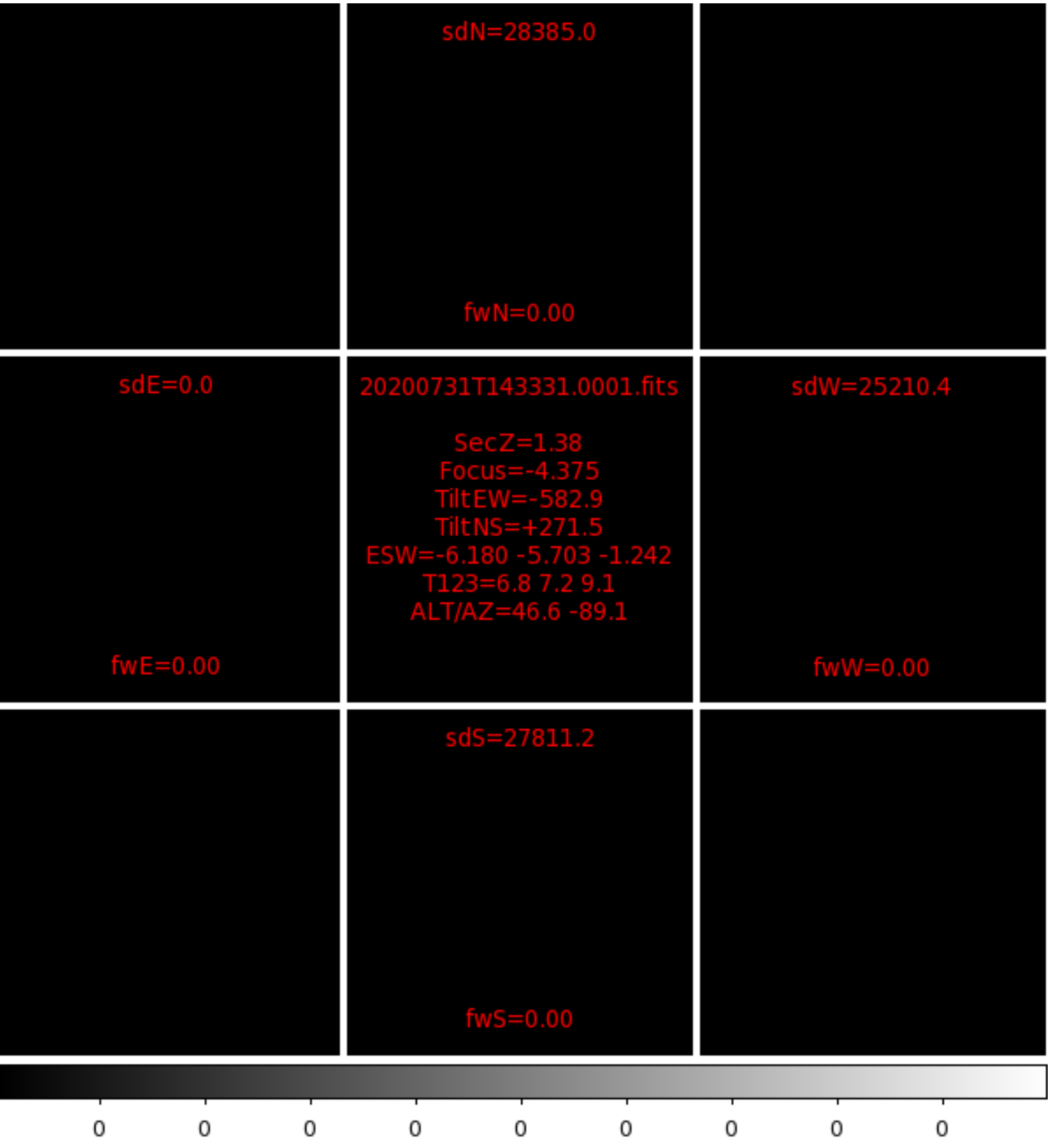
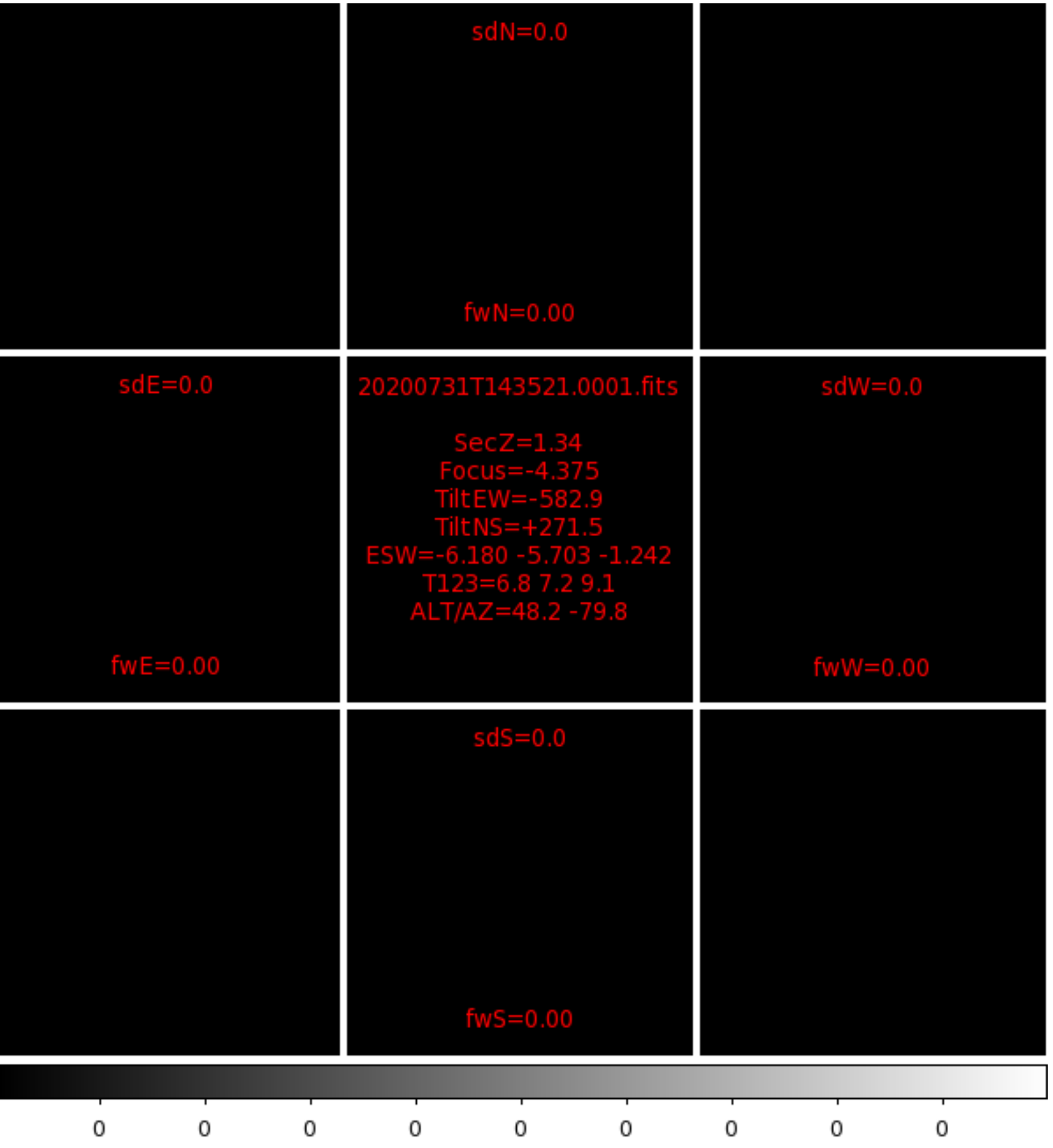

sdN=1282.5
fwN=2.41
sdE=1857.2
fwE=2.11
20200731T143138.0001.fits
SecZ=1.34
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 7.3 9.1
ALT/AZ=48.2 -70.1
fwAVG=2.21
sdW=2729.4
fwW=2.10
sdS=1450.0
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=28385.0
fwN=0.00
sdE=0.0
fwE=0.00
20200731T143331.0001.fits
SecZ=1.38
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 7.2 9.1
ALT/AZ=46.6 -89.1
sdW=25210.4
fwW=0.00
sdS=27811.2
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=0.0
fwN=0.00
sdE=0.0
20200731T143521.0001.fits
SecZ=1.34
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 7.2 9.1
ALT/AZ=48.2 -79.8
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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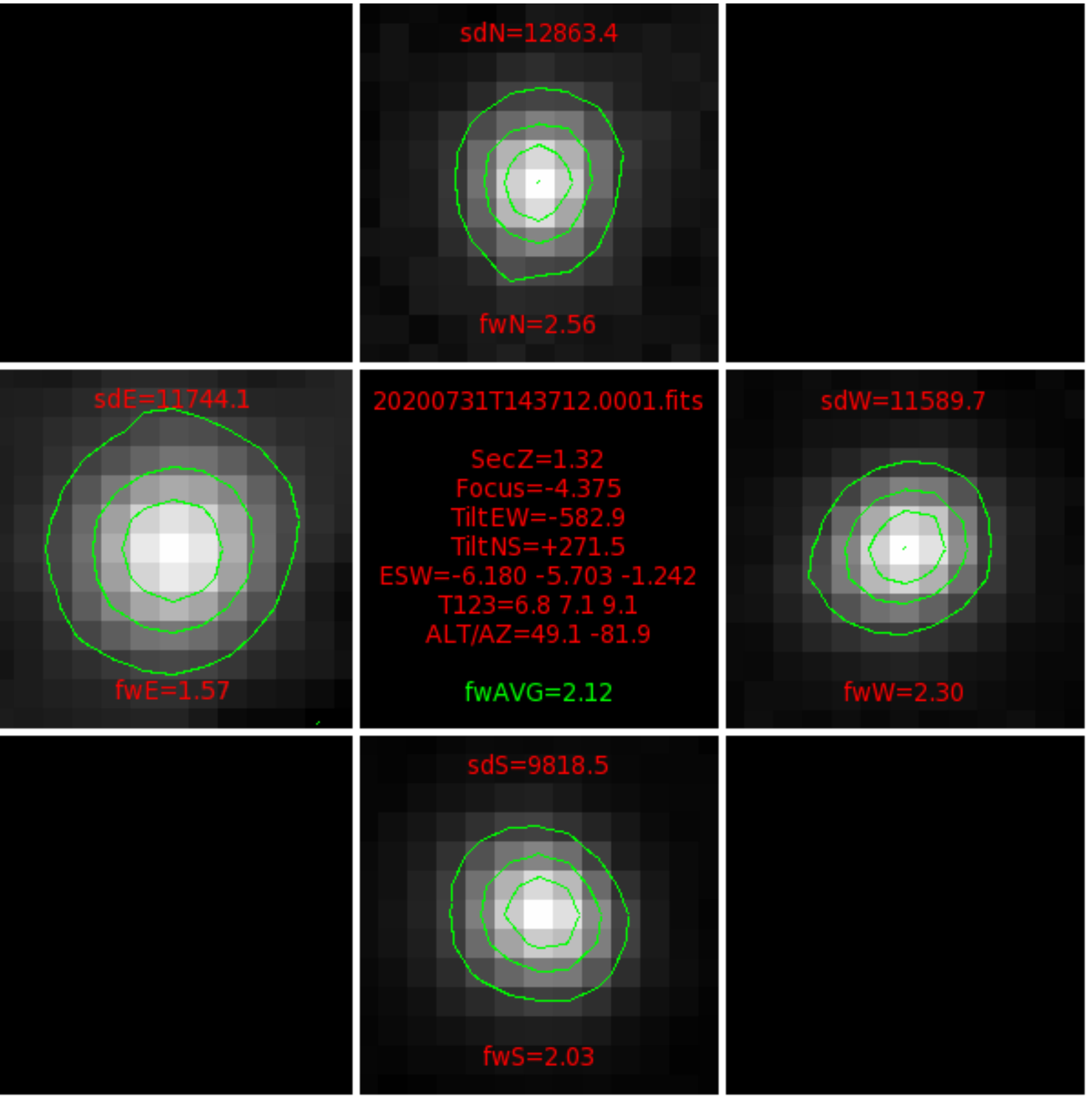
sdN=12863.4
fwN=2.56
sdE=11744.1
fwE=1.57
20200731T143712.0001.fits
SecZ=1.32
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 7.1 9.1
ALT/AZ=49.1 -81.9
fwAVG=2.12
sdW=11589.7
fwW=2.30
sdS=9818.5
fwS=2.03
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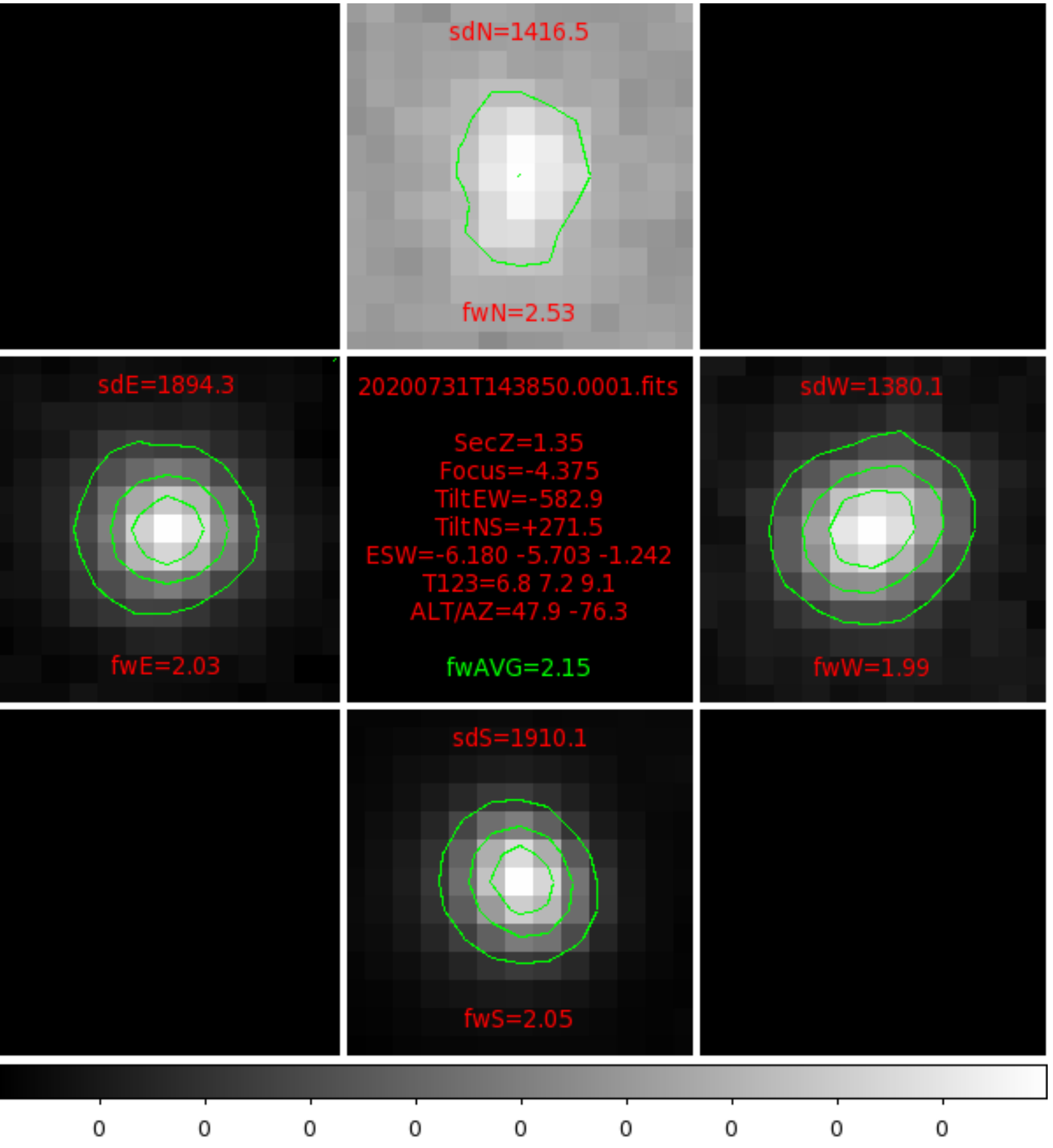
sdN=1416.5
fwN=2.53
sdE=1894.3
fwE=2.03
20200731T143850.0001.fits
SecZ=1.35
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 7.2 9.1
ALT/AZ=47.9 -76.3
fwAVG=2.15
sdW=1380.1
fwW=1.99
sdS=1910.1
fwS=2.05
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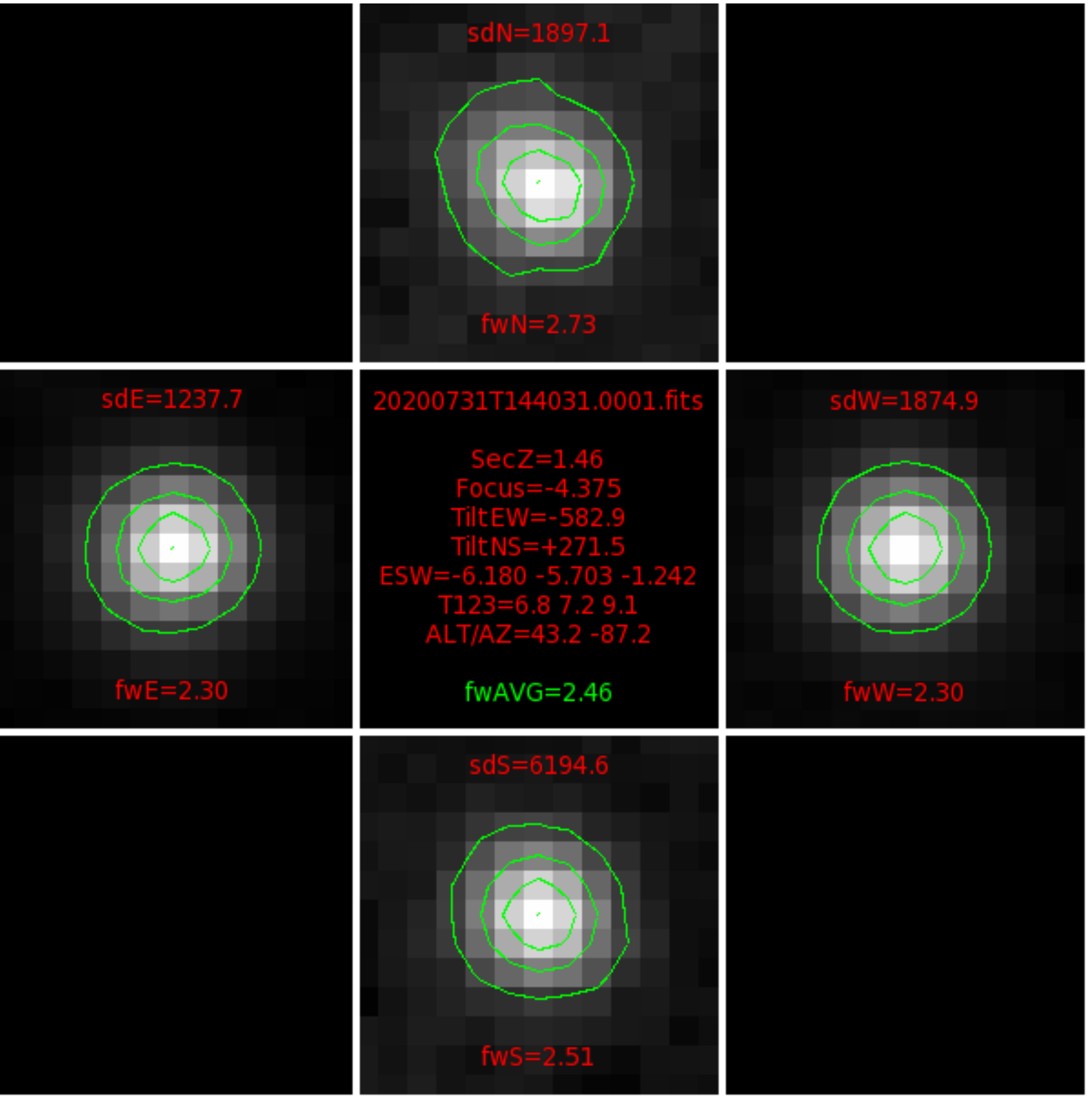
sdN=1897.1
fwN=2.73
sdE=1237.7
fwE=2.30
20200731T144031.0001.fits
SecZ=1.46
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 7.2 9.1
ALT/AZ=43.2 -87.2
fwAVG=2.46
sdW=1874.9
fwW=2.30
sdS=6194.6
fwS=2.51
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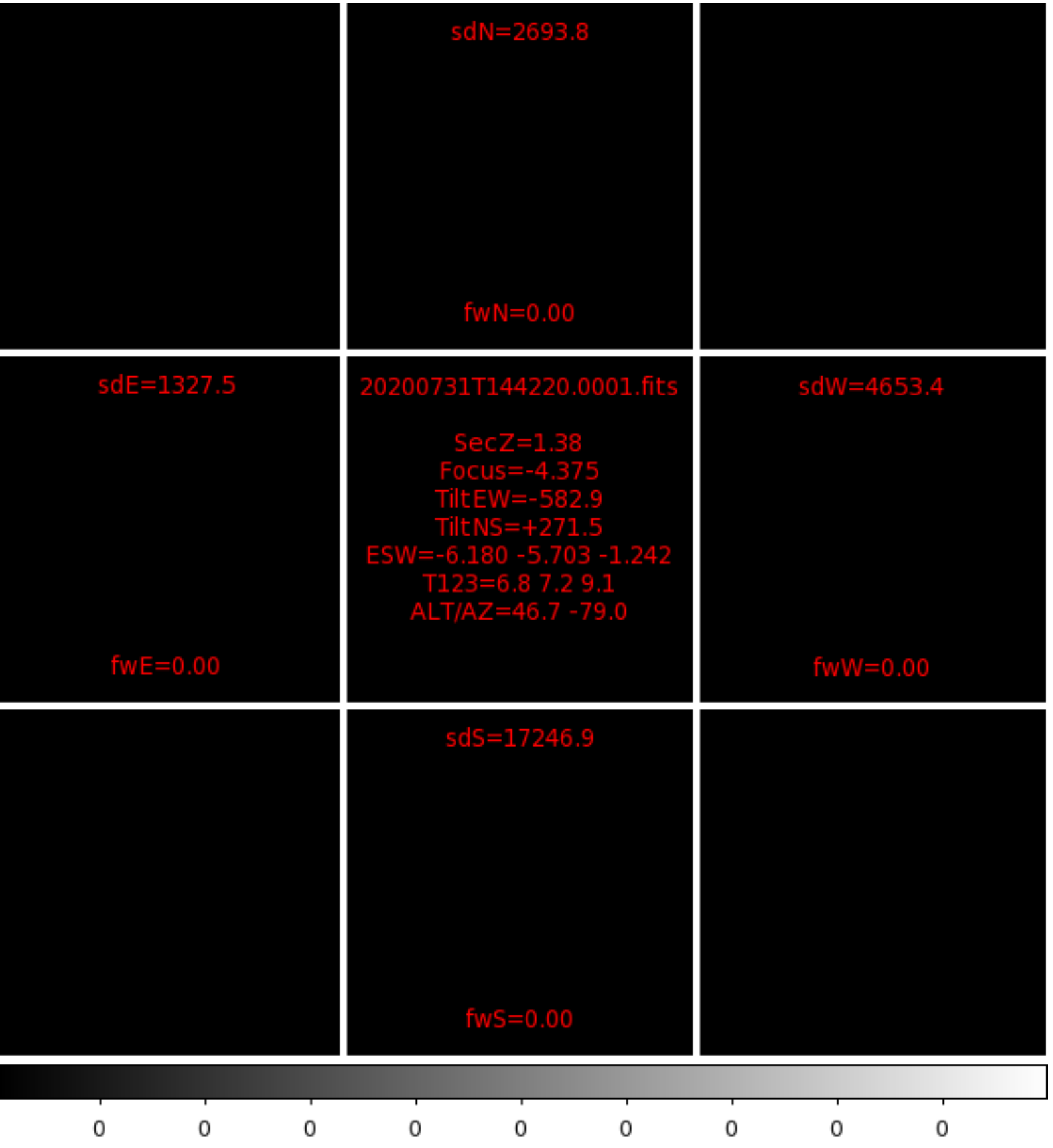
sdN=2693.8
fwN=0.00
sdE=1327.5
fwE=0.00
20200731T144220.0001.fits
SecZ=1.38
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 7.2 9.1
ALT/AZ=46.7 -79.0
sdW=4653.4
fwW=0.00
sdS=17246.9
fwS=0.00
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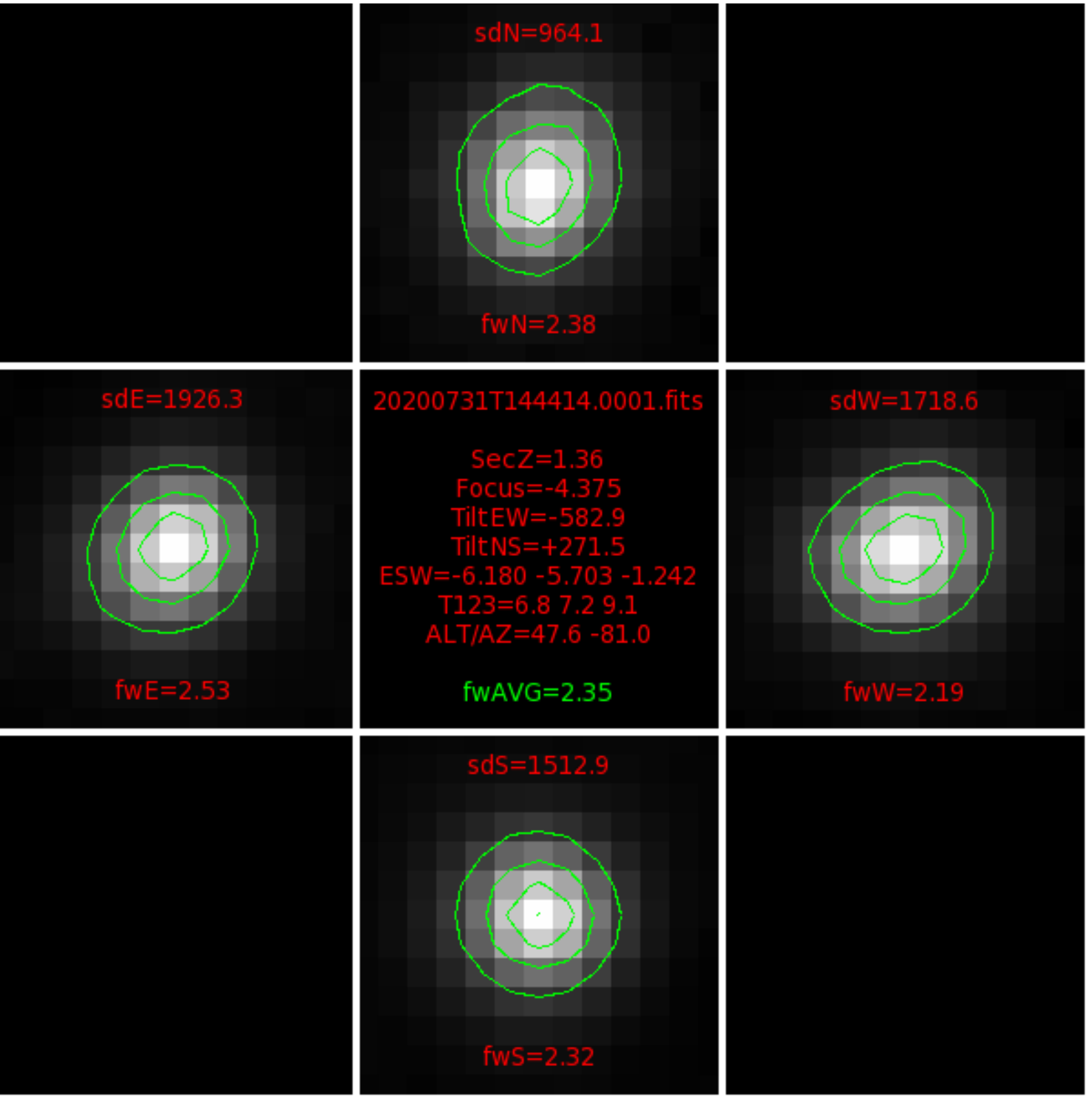
sdN=964.1
fwN=2.38
sdE=1926.3
fwE=2.53
20200731T144414.0001.fits
SecZ=1.36
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 7.2 9.1
ALT/AZ=47.6 -81.0
fwAVG=2.35
sdW=1718.6
fwW=2.19
sdS=1512.9
fwS=2.32
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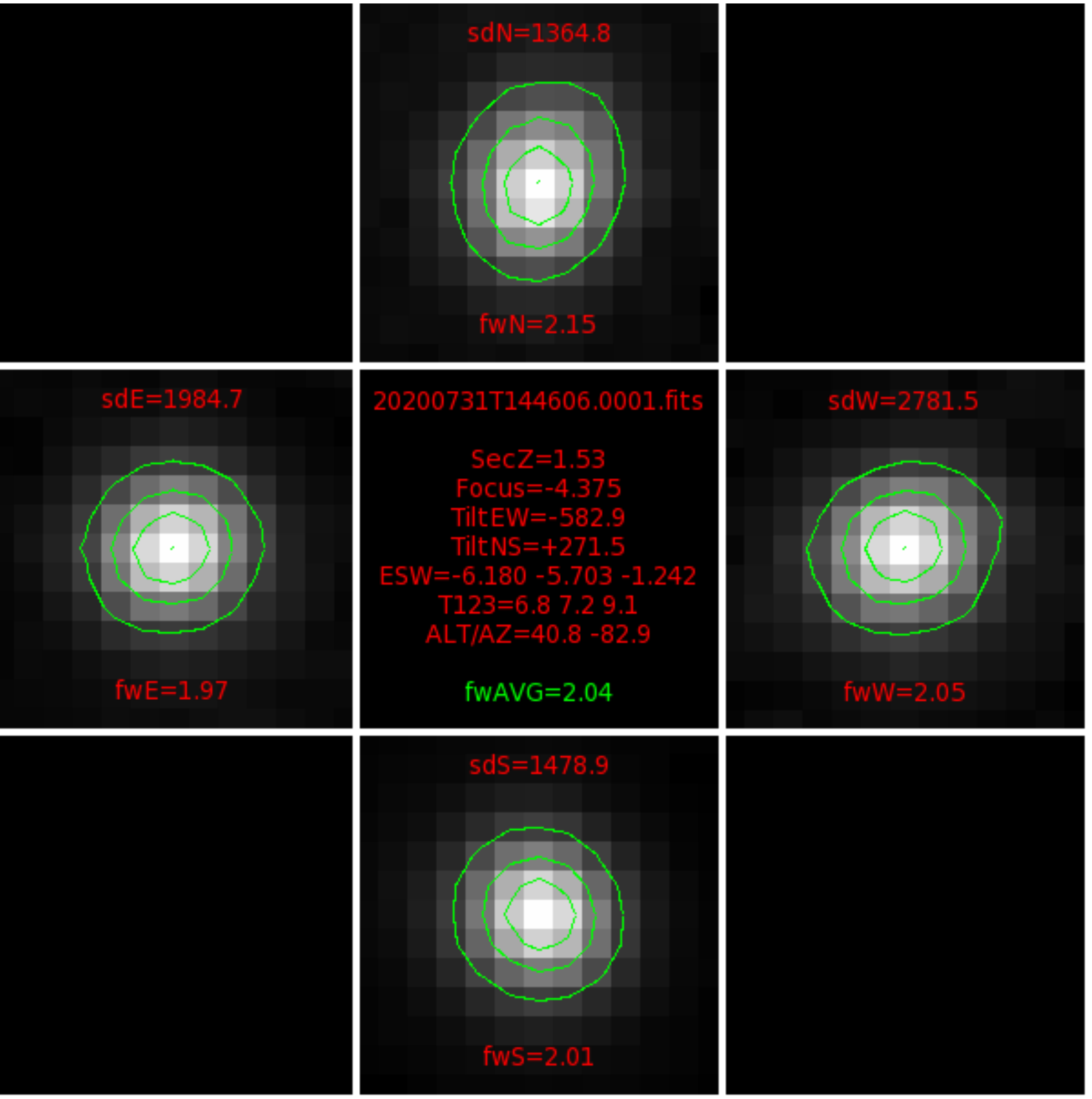
sdN=1364.8
fwN=2.15
sdE=1984.7
fwE=1.97
20200731T144606.0001.fits
SecZ=1.53
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 7.2 9.1
ALT/AZ=40.8 -82.9
fwAVG=2.04
sdW=2781.5
fwW=2.05
sdS=1478.9
fwS=2.01
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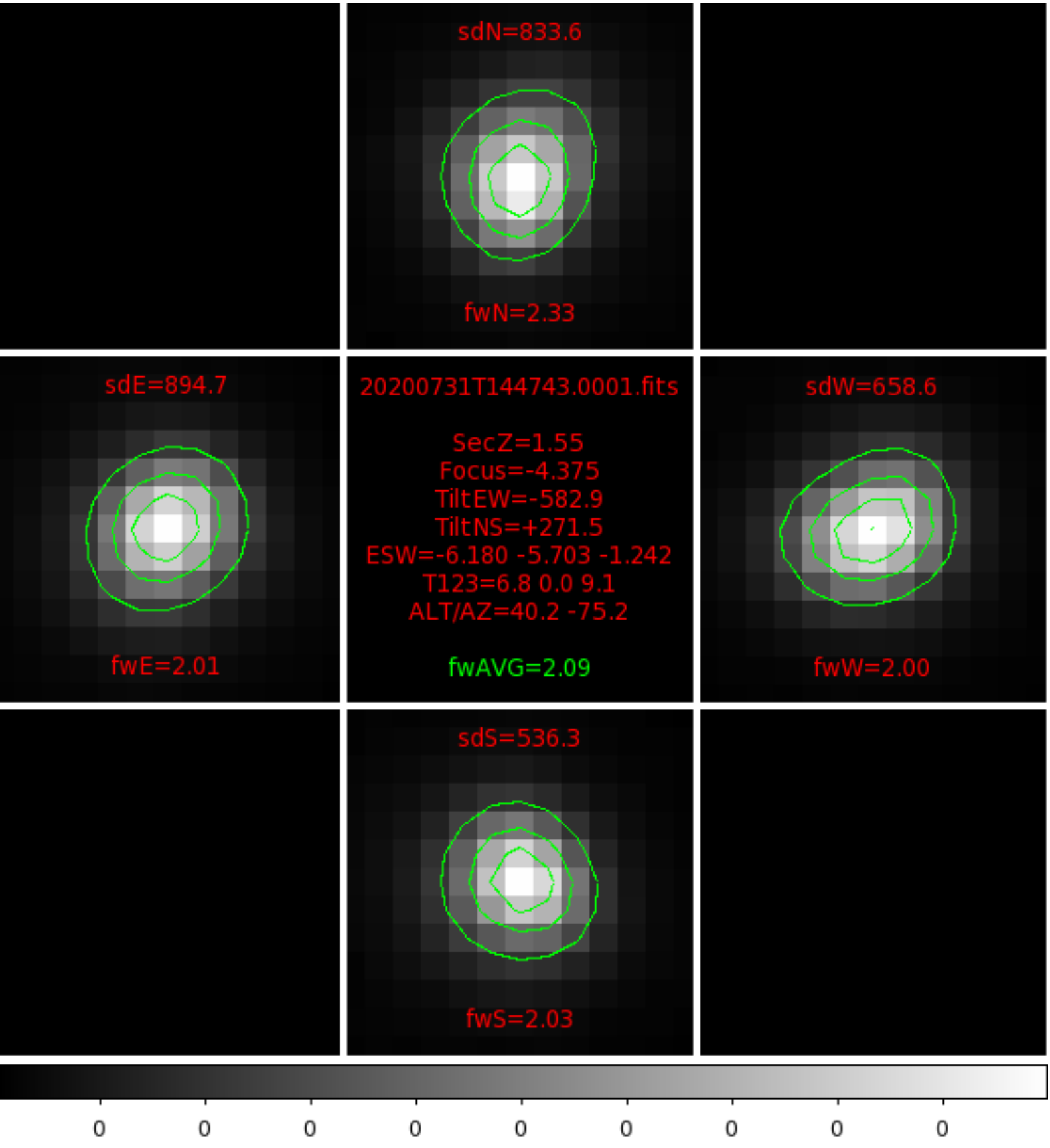
sdN=833.6
fwN=2.33
sdE=894.7
fwE=2.01
20200731T144743.0001.fits
SecZ=1.55
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 0.0 9.1
ALT/AZ=40.2 -75.2
fwAVG=2.09
sdW=658.6
fwW=2.00
sdS=536.3
fwS=2.03
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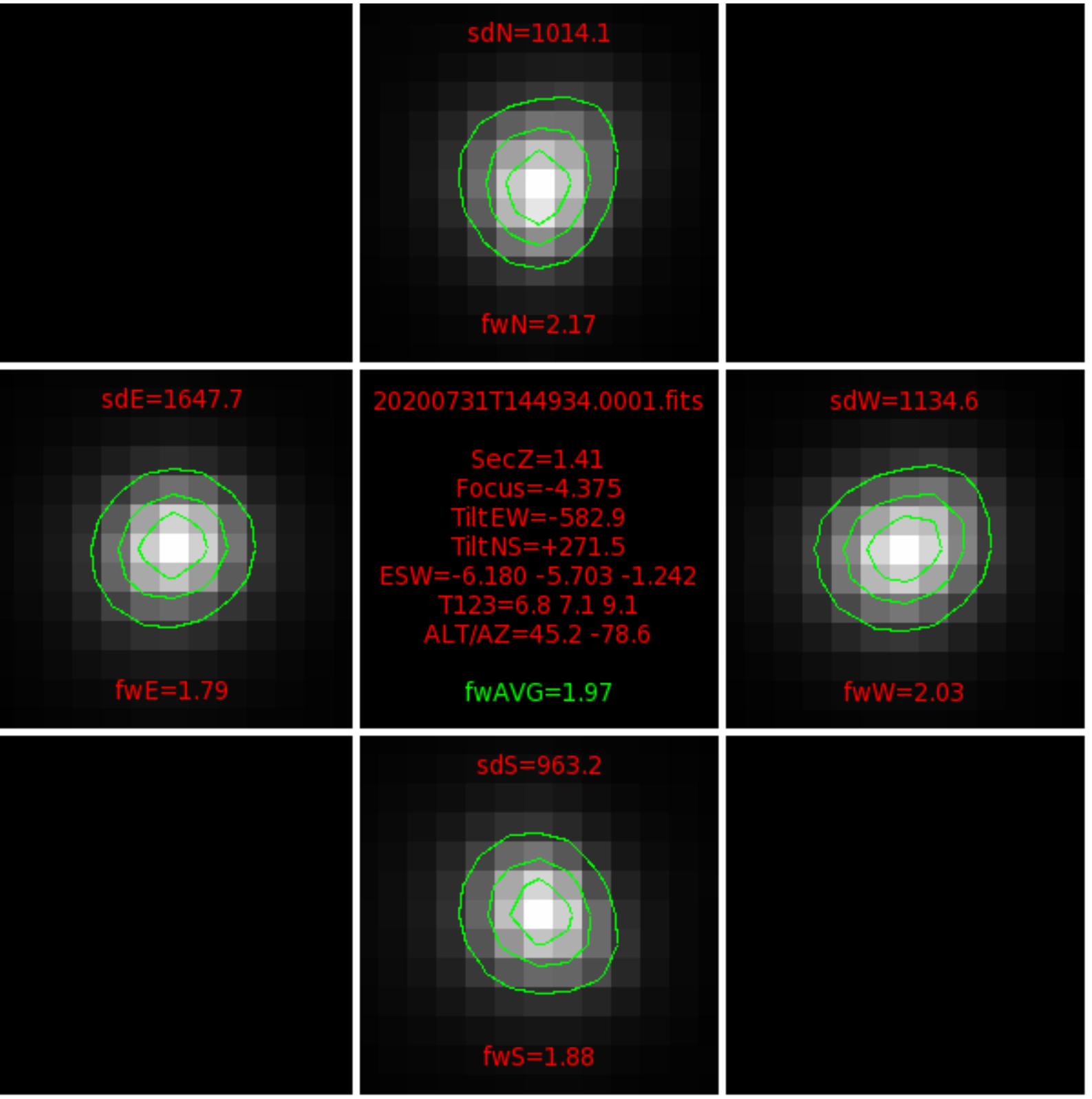
sdN=1014.1
fwN=2.17
sdE=1647.7
fwE=1.79
20200731T144934.0001.fits
SecZ=1.41
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 7.1 9.1
ALT/AZ=45.2 -78.6
fwAVG=1.97
sdW=1134.6
fwW=2.03
sdS=963.2
fwS=1.88
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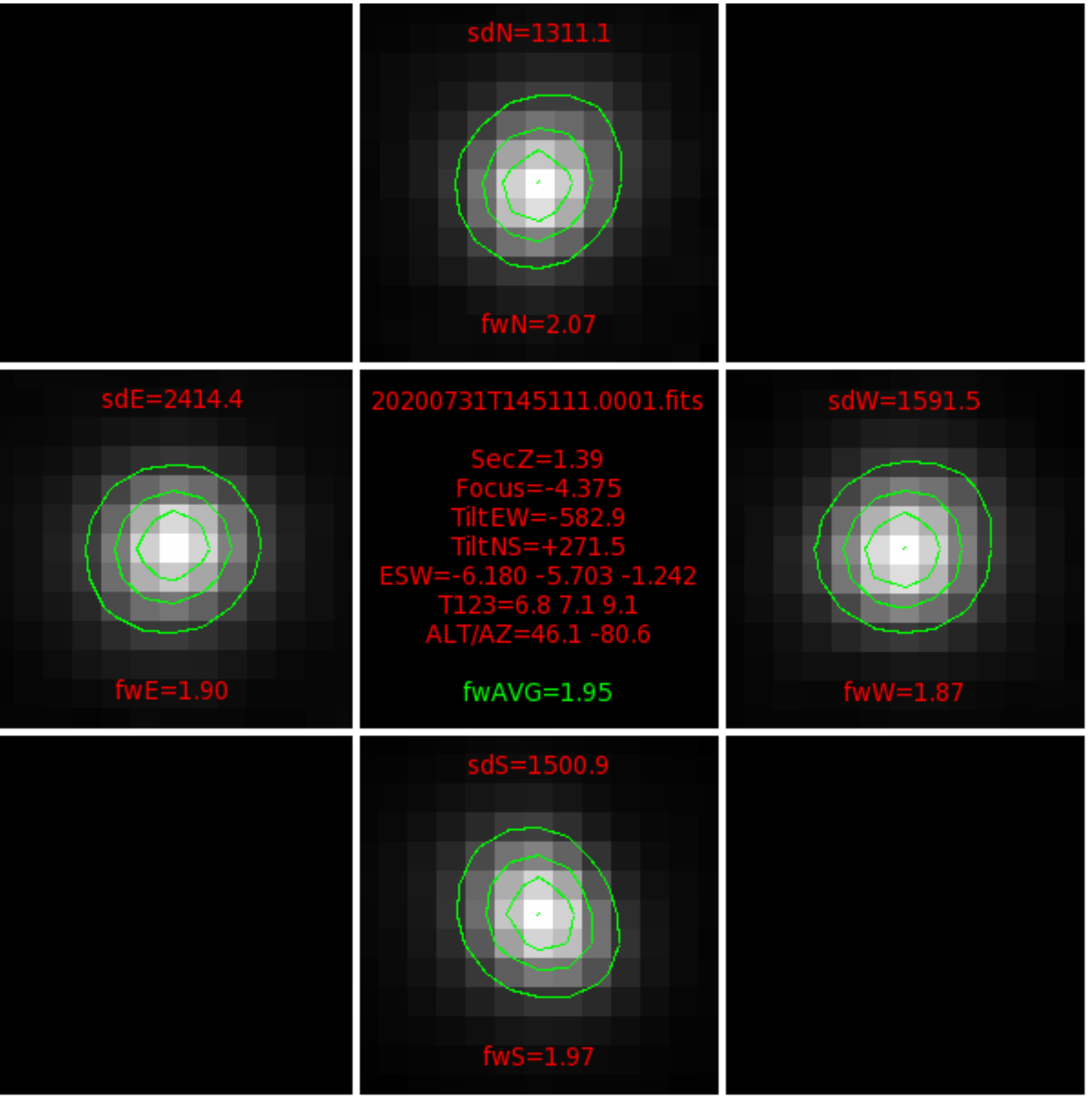
sdN=1311.1
fwN=2.07
sdE=2414.4
fwE=1.90
20200731T145111.0001.fits
SecZ=1.39
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 7.1 9.1
ALT/AZ=46.1 -80.6
fwAVG=1.95
sdW=1591.5
fwW=1.87
sdS=1500.9
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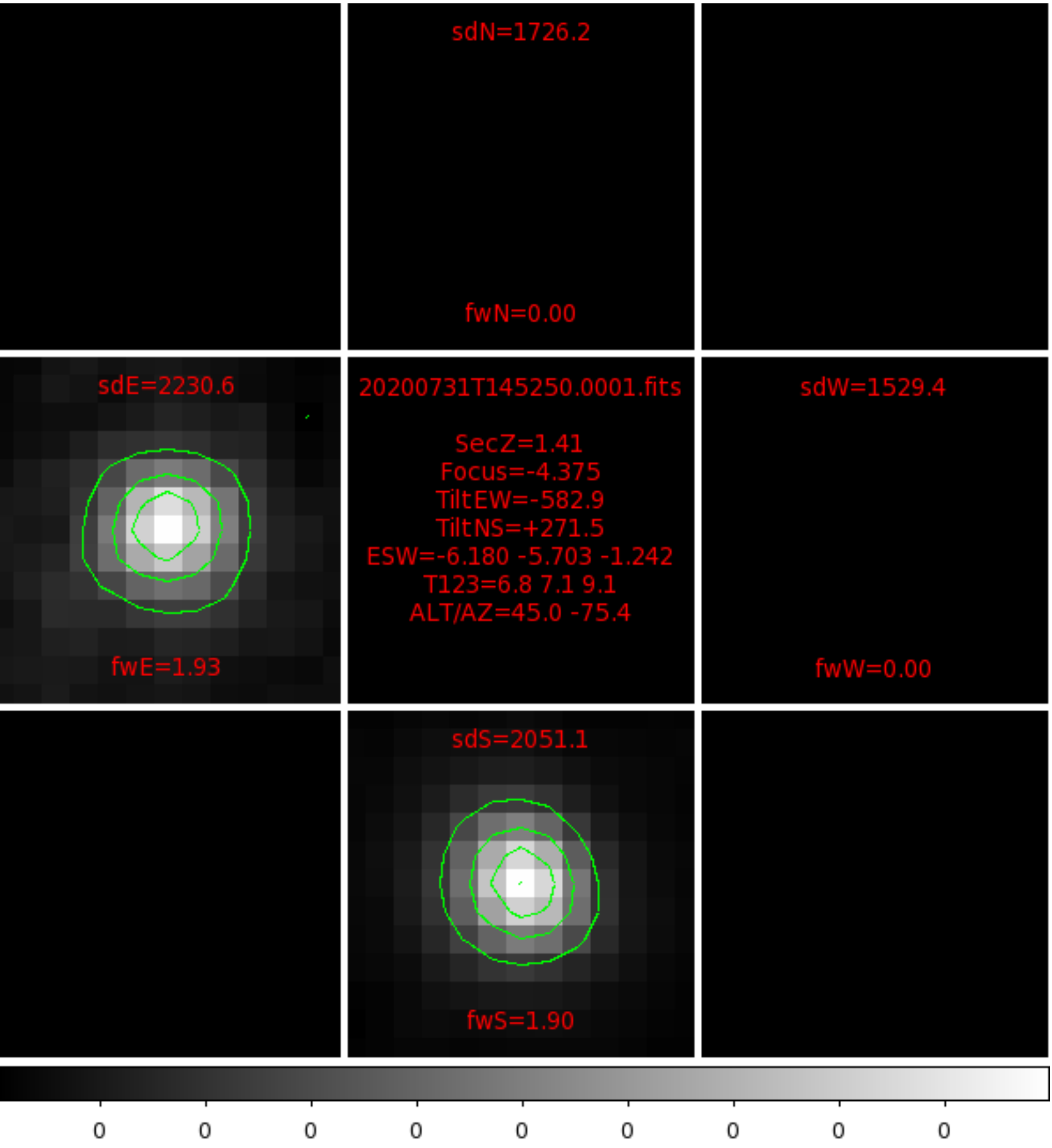
sdN=1726.2
fwN=0.00
sdE=2230.6
fwE=1.93
20200731T145250.0001.fits
SecZ=1.41
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 7.1 9.1
ALT/AZ=45.0 -75.4
sdW=1529.4
fwW=0.00
sdS=2051.1
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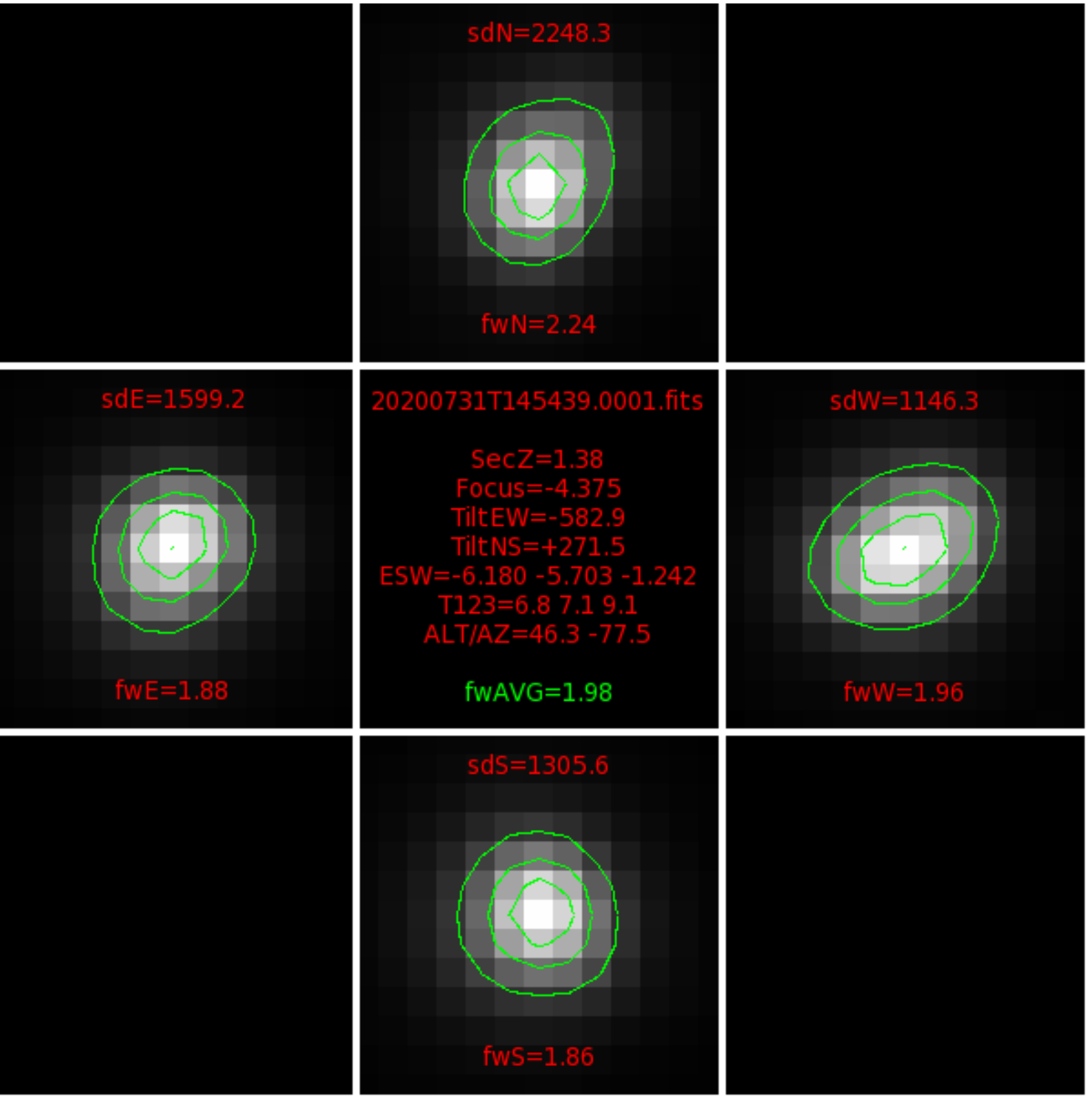
sdN=2248.3
fwN=2.24
sdE=1599.2
fwE=1.88
20200731T145439.0001.fits
SecZ=1.38
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 7.1 9.1
ALT/AZ=46.3 -77.5
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sdW=1146.3
fwW=1.96
sdS=1305.6
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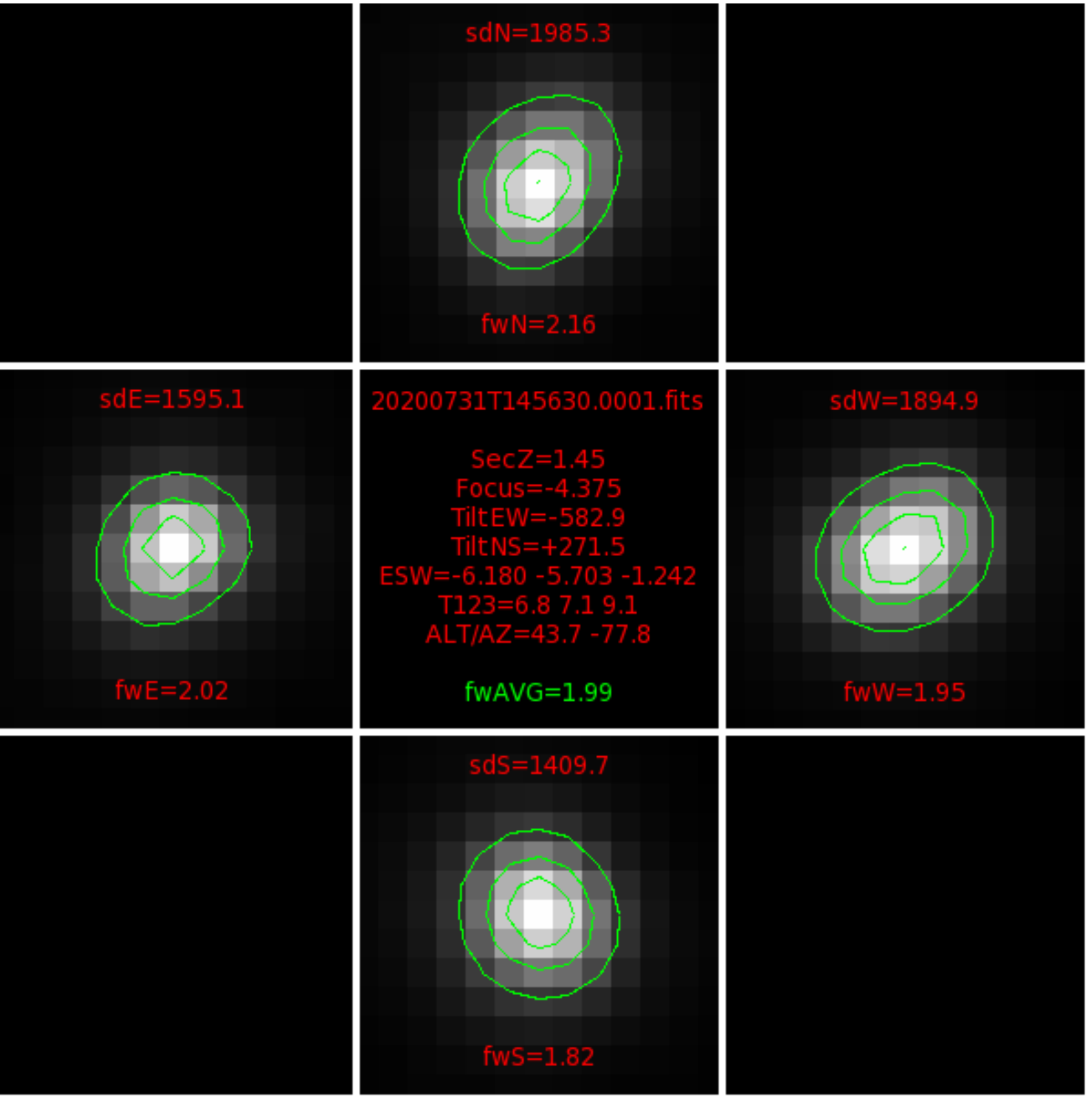
sdN=1985.3
fwN=2.16
sdE=1595.1
fwE=2.02
20200731T145630.0001.fits
SecZ=1.45
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 7.1 9.1
ALT/AZ=43.7 -77.8
fwAVG=1.99
sdW=1894.9
fwW=1.95
sdS=1409.7
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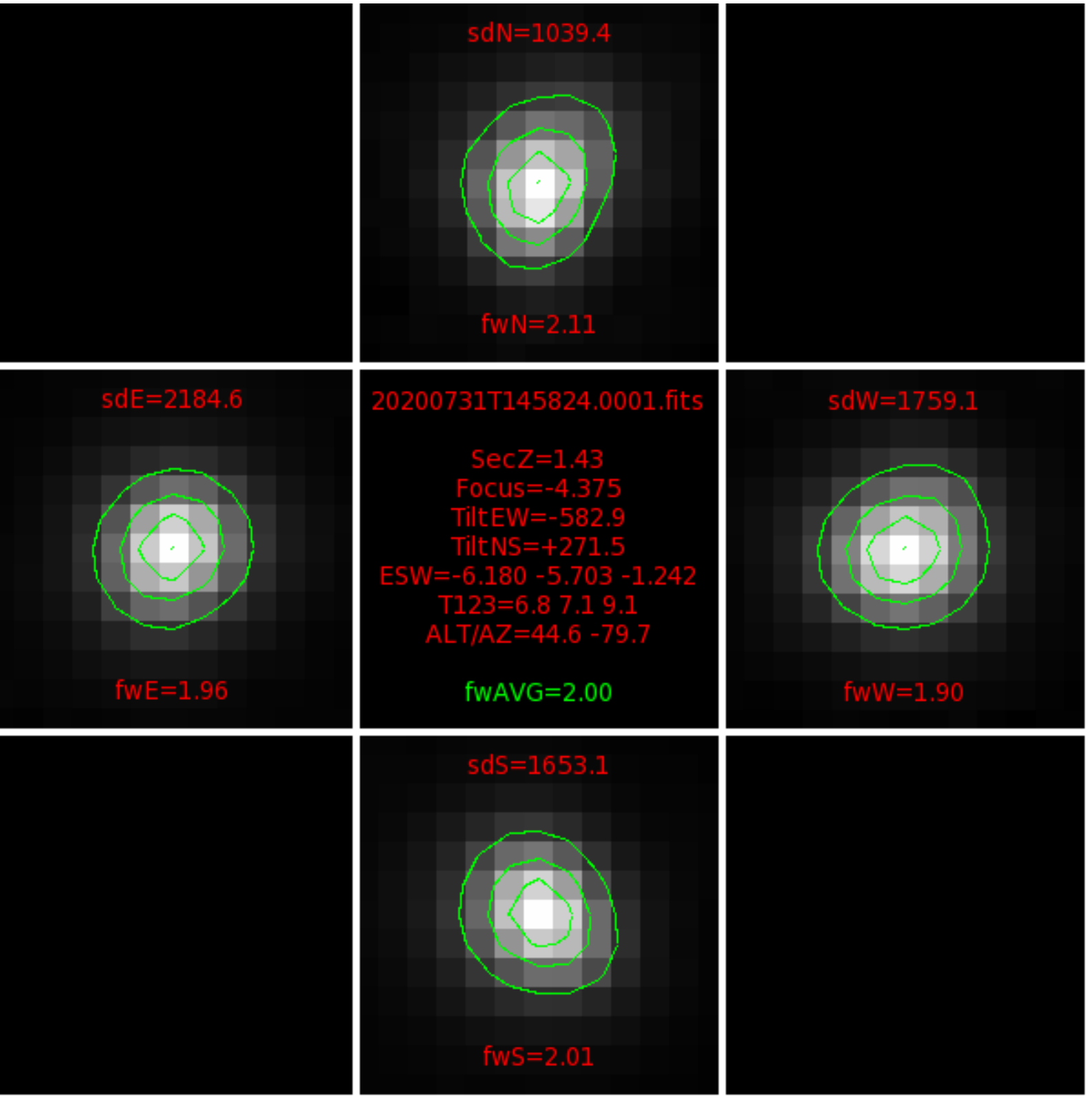
sdN=1039.4
fwN=2.11
sdE=2184.6
fwE=1.96
20200731T145824.0001.fits
SecZ=1.43
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 7.1 9.1
ALT/AZ=44.6 -79.7
fwAVG=2.00
sdW=1759.1
fwW=1.90
sdS=1653.1
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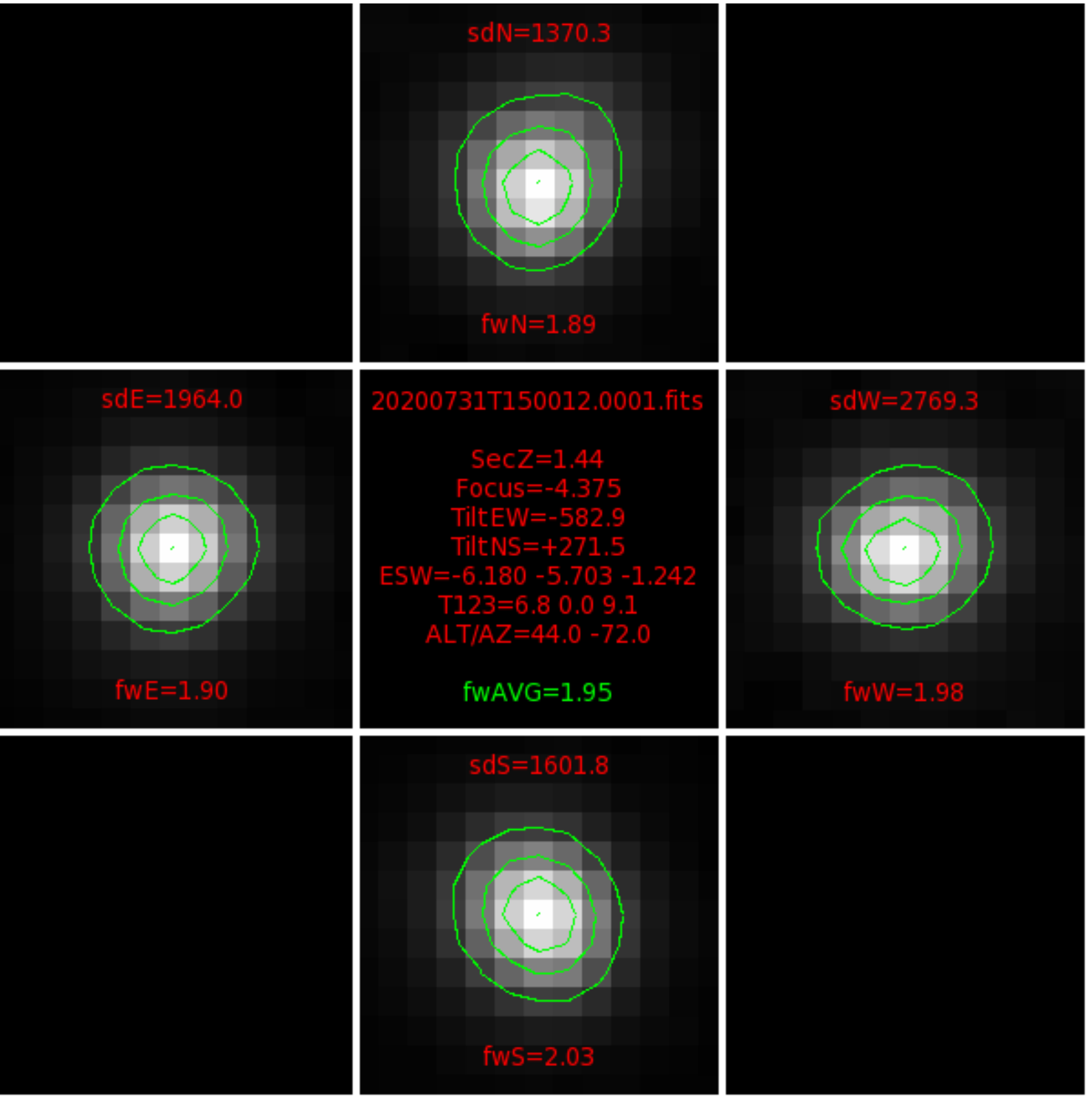
sdN=1370.3
fwN=1.89
sdE=1964.0
fwE=1.90
20200731T150012.0001.fits
SecZ=1.44
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 0.0 9.1
ALT/AZ=44.0 -72.0
fwAVG=1.95
sdW=2769.3
fwW=1.98
sdS=1601.8
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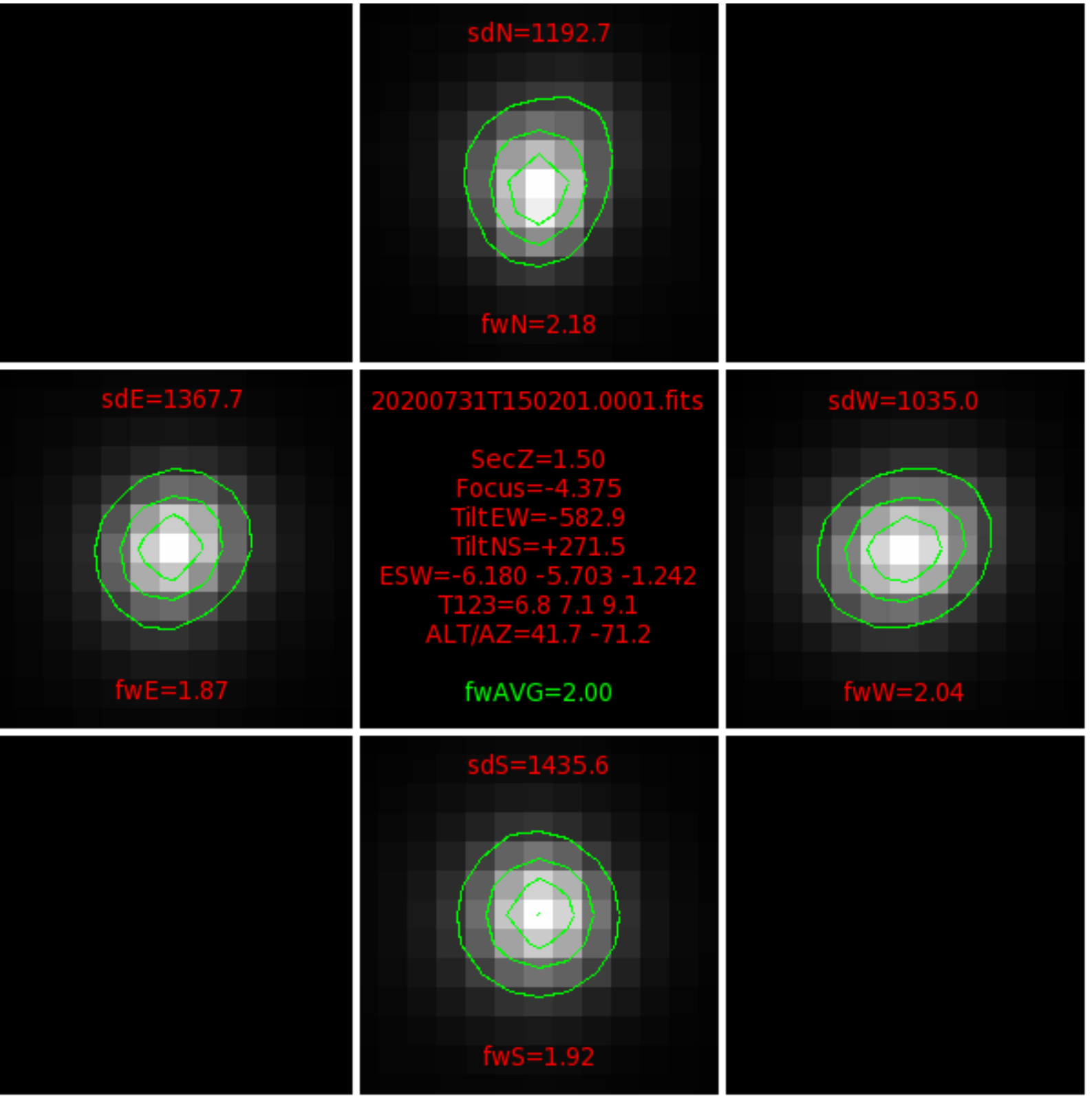
sdN=1192.7
fwN=2.18
sdE=1367.7
fwE=1.87
20200731T150201.0001.fits
SecZ=1.50
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 7.1 9.1
ALT/AZ=41.7 -71.2
fwAVG=2.00
sdW=1035.0
fwW=2.04
sdS=1435.6
fwS=1.92
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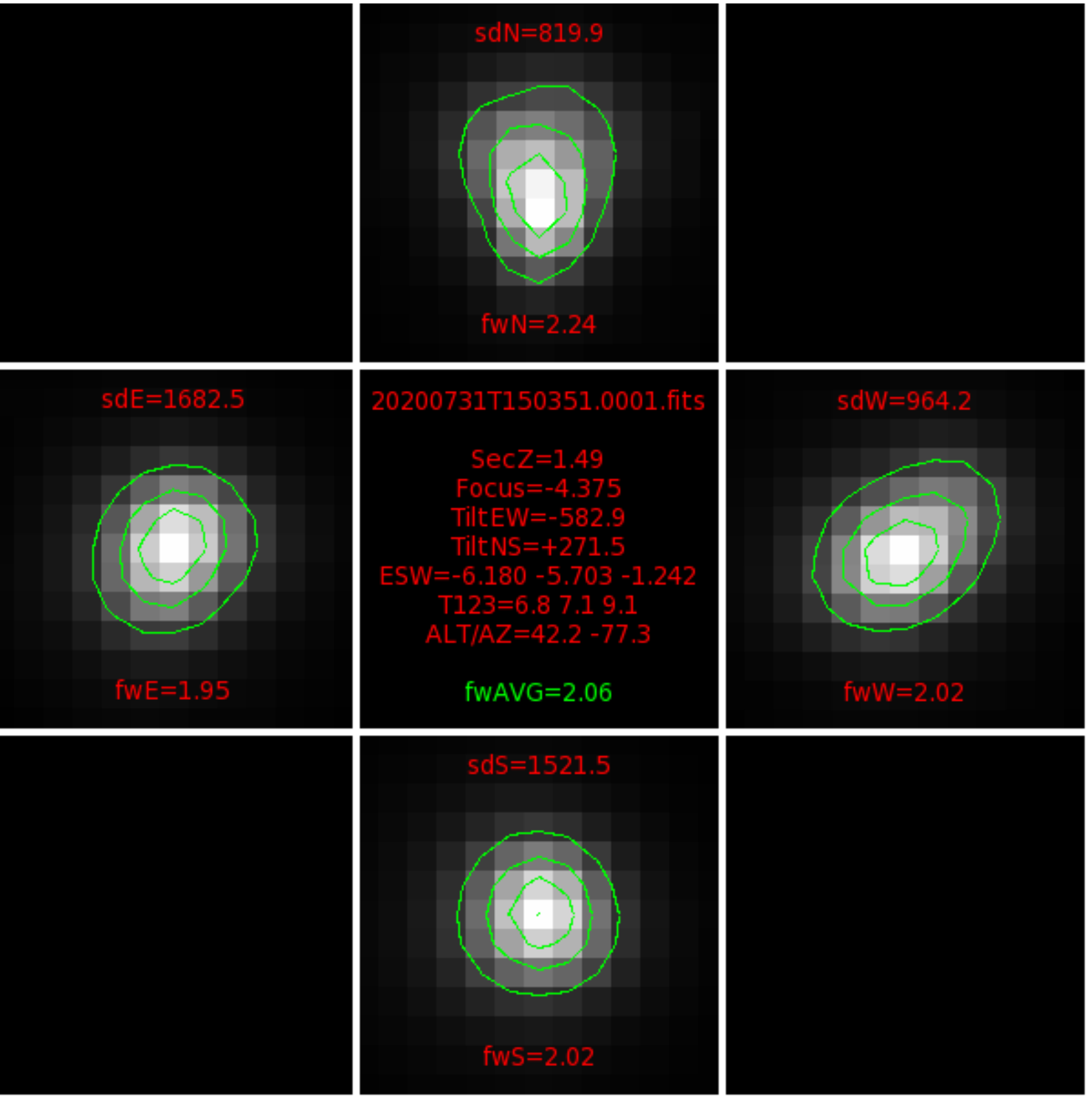
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fwN=2.24
sdE=1682.5
fwE=1.95
20200731T150351.0001.fits
SecZ=1.49
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 7.1 9.1
ALT/AZ=42.2 -77.3
fwAVG=2.06
sdW=964.2
fwW=2.02
sdS=1521.5
fwS=2.02
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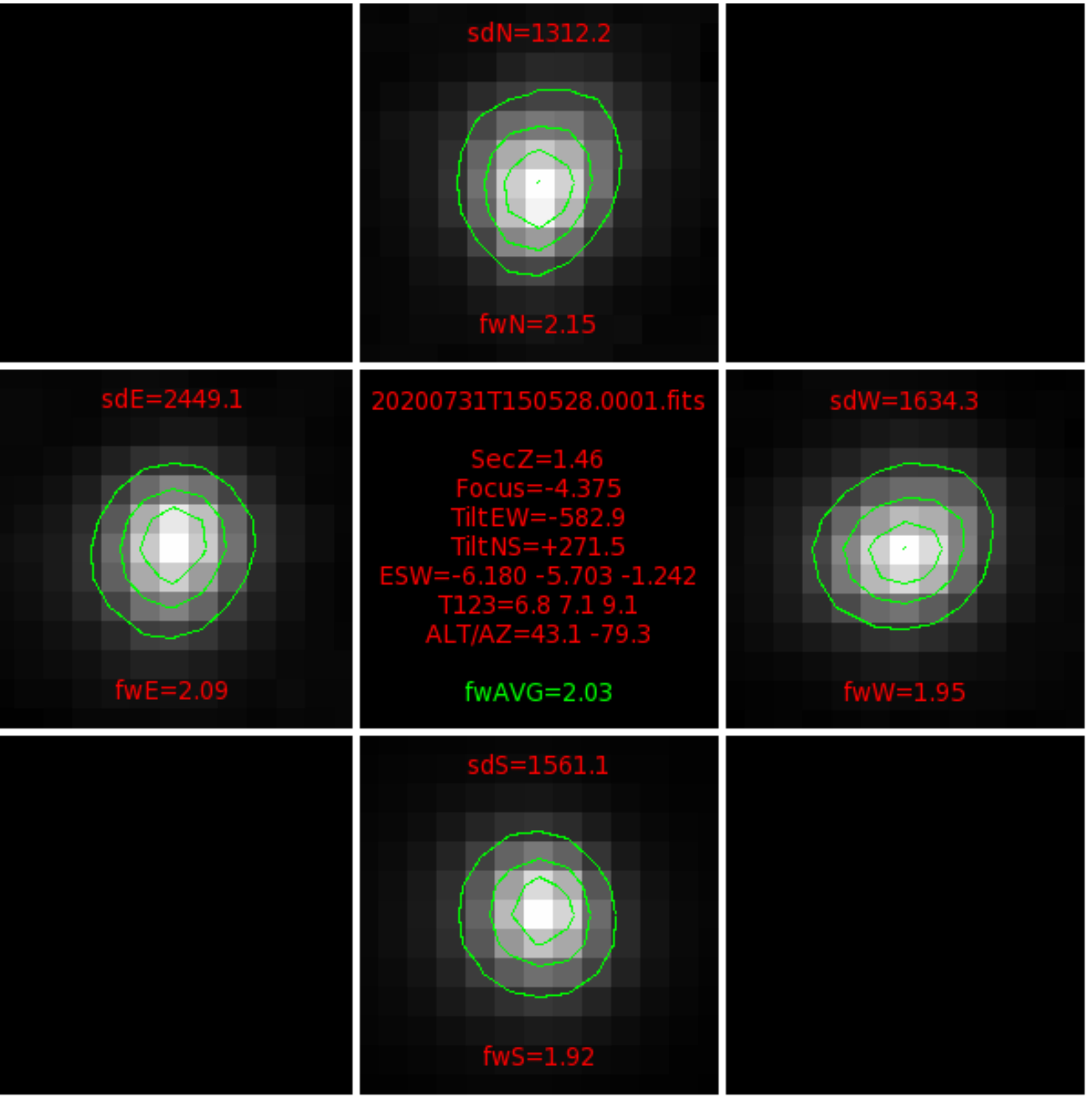
sdN=1312.2
fwN=2.15
sdE=2449.1
fwE=2.09
20200731T150528.0001.fits
SecZ=1.46
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 7.1 9.1
ALT/AZ=43.1 -79.3
fwAVG=2.03
sdW=1634.3
fwW=1.95
sdS=1561.1
fwS=1.92
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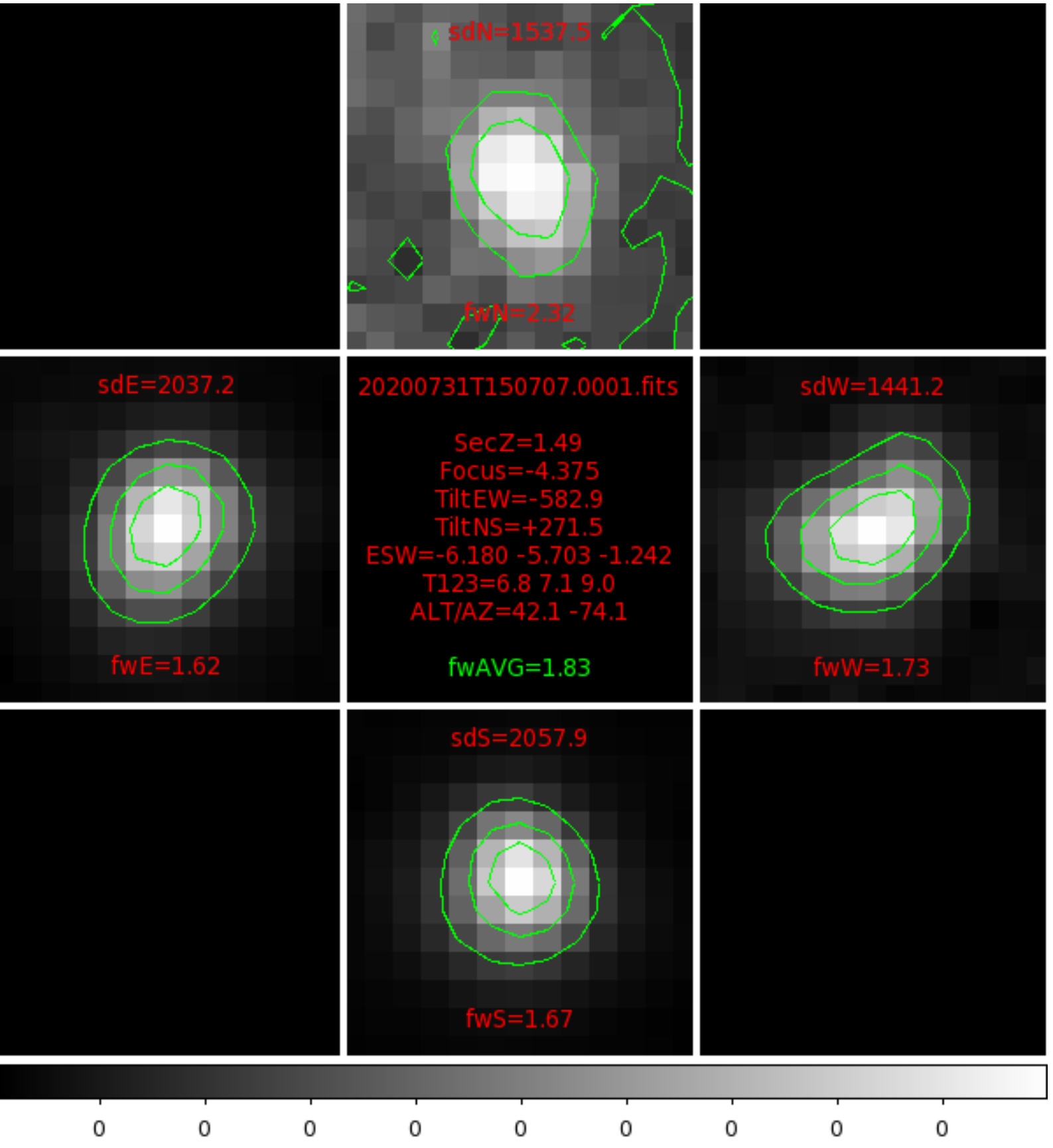
sdN=1537.5
fwN=2.32
sdE=2037.2
fwE=1.62
20200731T150707.0001.fits
SecZ=1.49
Focus=-4.375
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.180 -5.703 -1.242
T123=6.8 7.1 9.0
ALT/AZ=42.1 -74.1
fwAVG=1.83
sdW=1441.2
fwW=1.73
sdS=2057.9
fwS=1.67
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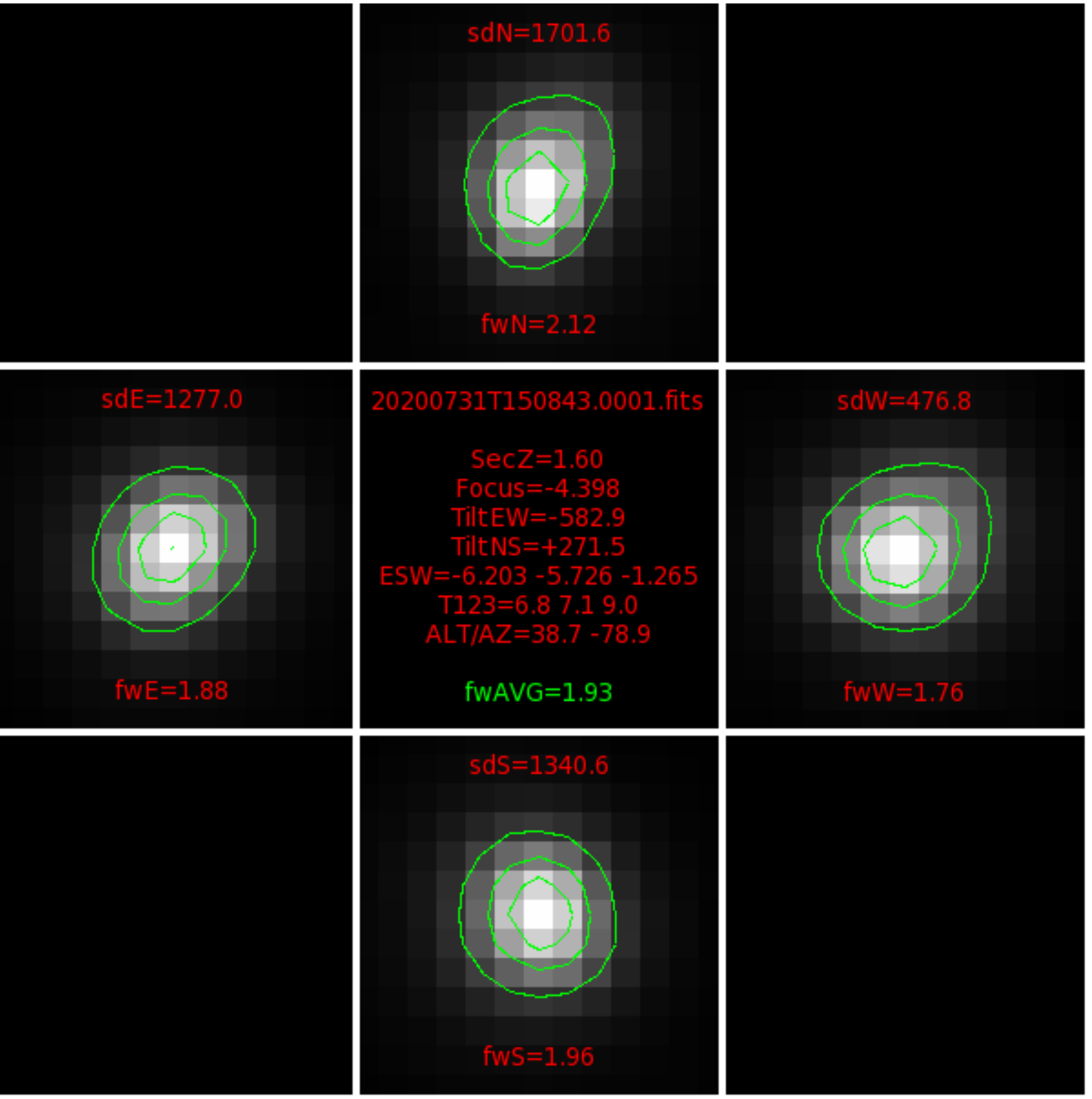
sdN=1701.6
fwN=2.12
sdE=1277.0
fwE=1.88
20200731T150843.0001.fits
SecZ=1.60
Focus=-4.398
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.203 -5.726 -1.265
T123=6.8 7.1 9.0
ALT/AZ=38.7 -78.9
fwAVG=1.93
sdW=476.8
fwW=1.76
sdS=1340.6
fwS=1.96
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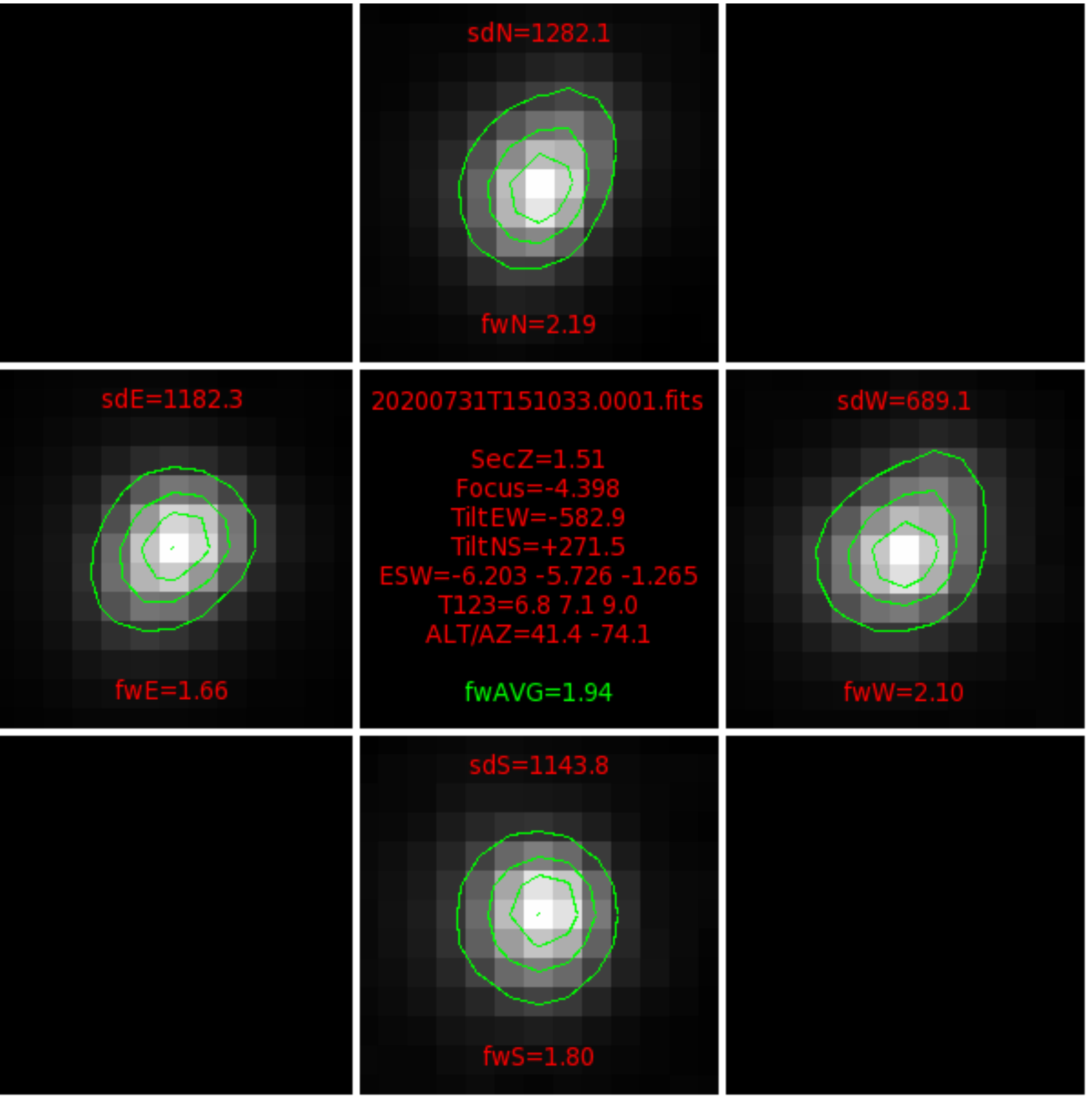
sdN=1282.1
fwN=2.19
sdE=1182.3
fwE=1.66
20200731T151033.0001.fits
SecZ=1.51
Focus=-4.398
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.203 -5.726 -1.265
T123=6.8 7.1 9.0
ALT/AZ=41.4 -74.1
fwAVG=1.94
sdW=689.1
fwW=2.10
sdS=1143.8
fwS=1.80
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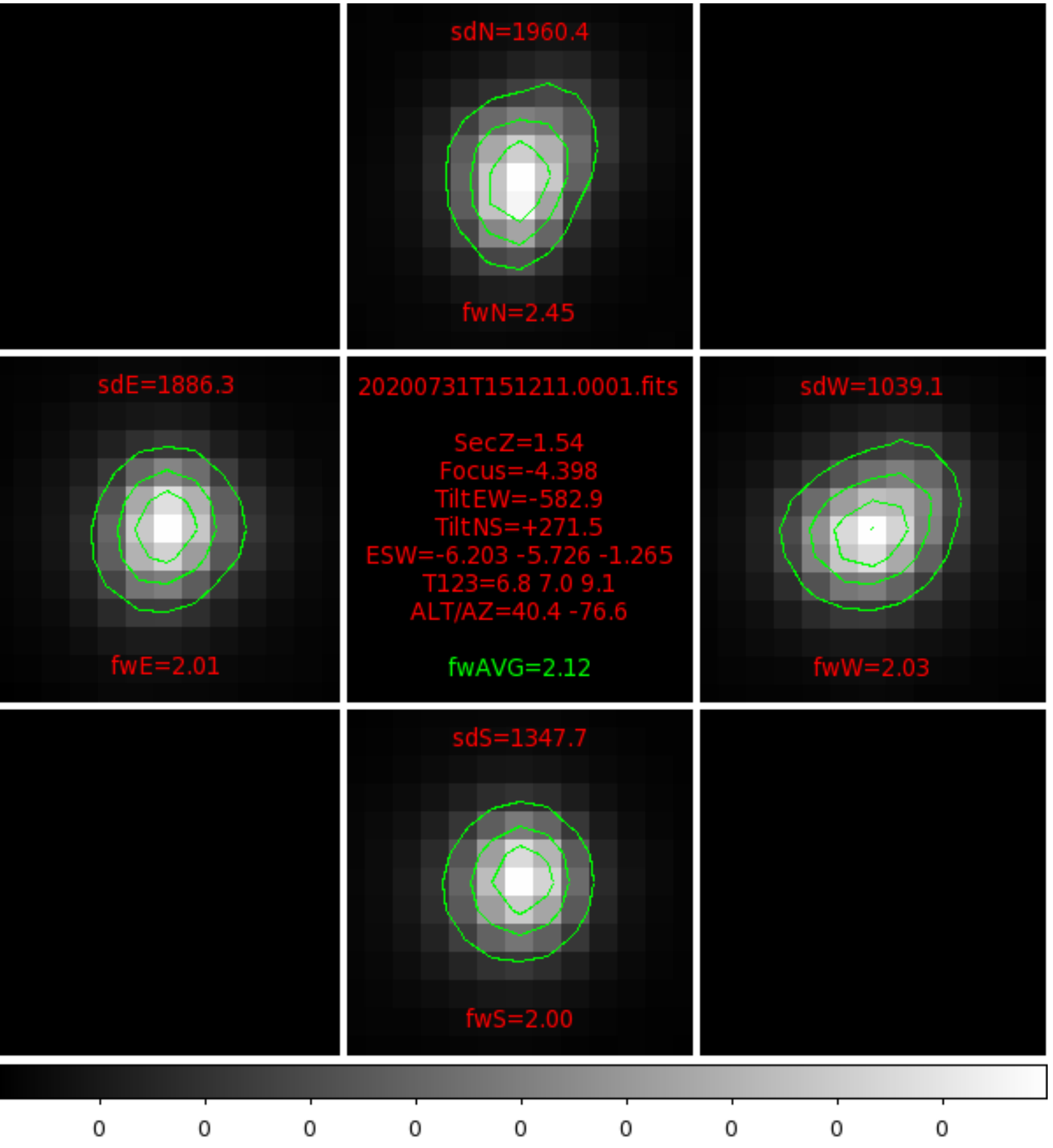
sdN=1960.4
fwN=2.45
sdE=1886.3
fwE=2.01
20200731T151211.0001.fits
SecZ=1.54
Focus=-4.398
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.203 -5.726 -1.265
T123=6.8 7.0 9.1
ALT/AZ=40.4 -76.6
fwAVG=2.12
sdW=1039.1
fwW=2.03
sdS=1347.7
fwS=2.00
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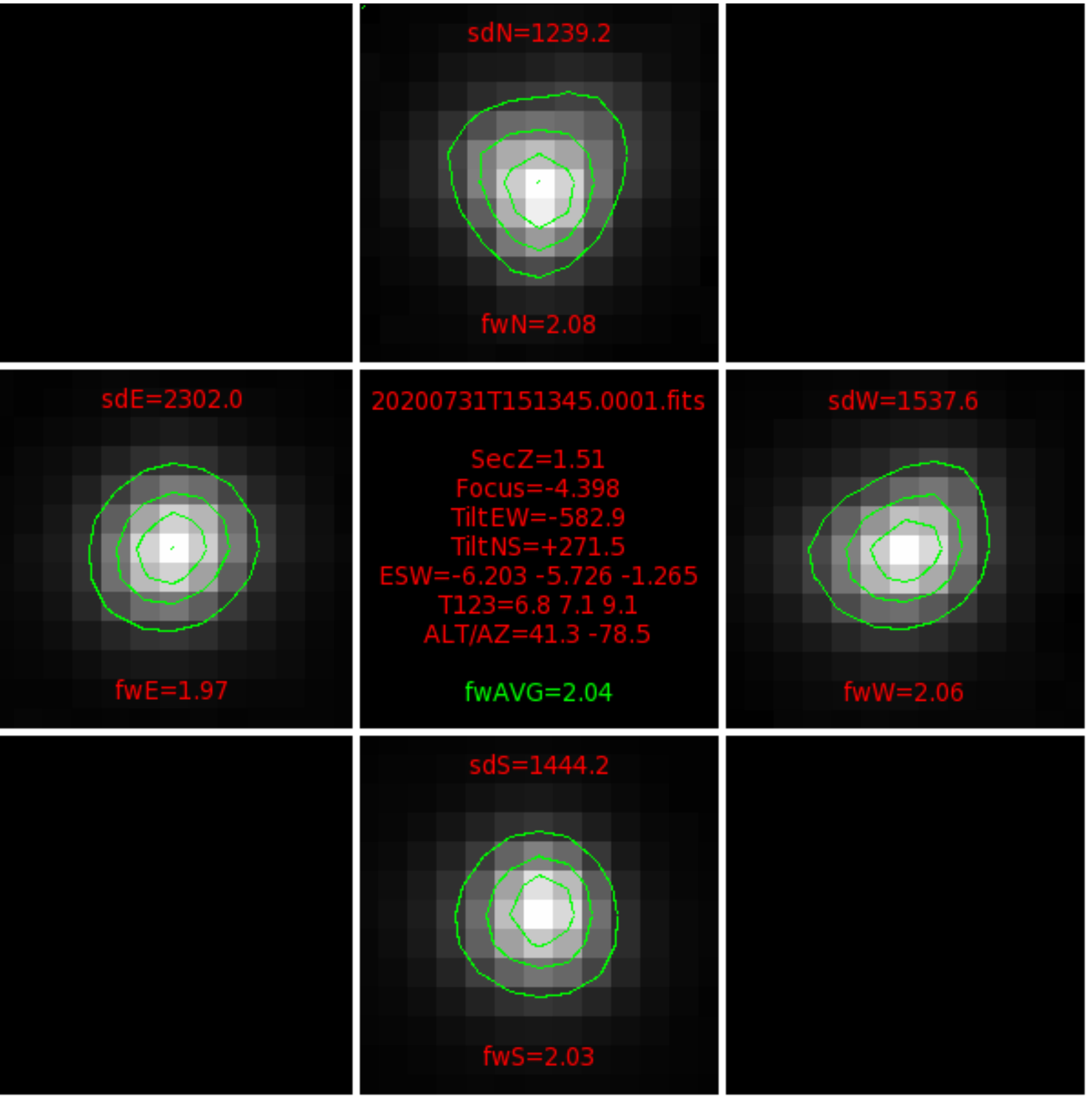
sdN=1239.2
fwN=2.08
sdE=2302.0
fwE=1.97
20200731T151345.0001.fits
SecZ=1.51
Focus=-4.398
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.203 -5.726 -1.265
T123=6.8 7.1 9.1
ALT/AZ=41.3 -78.5
fwAVG=2.04
sdW=1537.6
fwW=2.06
sdS=1444.2
fwS=2.03
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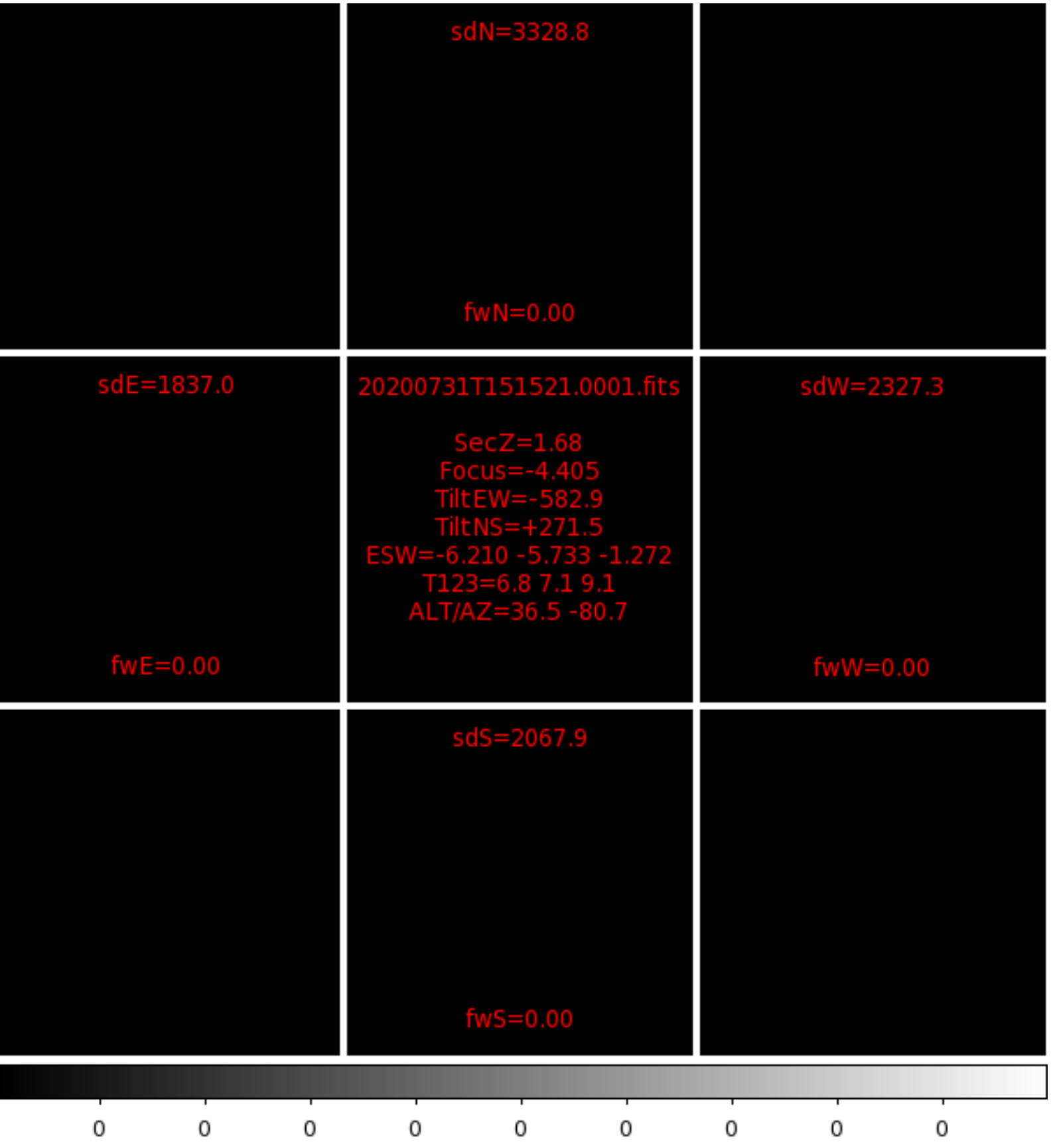
sdN=3328.8
fwN=0.00
sdE=1837.0
fwE=0.00
20200731T151521.0001.fits
SecZ=1.68
Focus=-4.405
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.210 -5.733 -1.272
T123=6.8 7.1 9.1
ALT/AZ=36.5 -80.7
sdW=2327.3
fwW=0.00
sdS=2067.9
fwS=0.00
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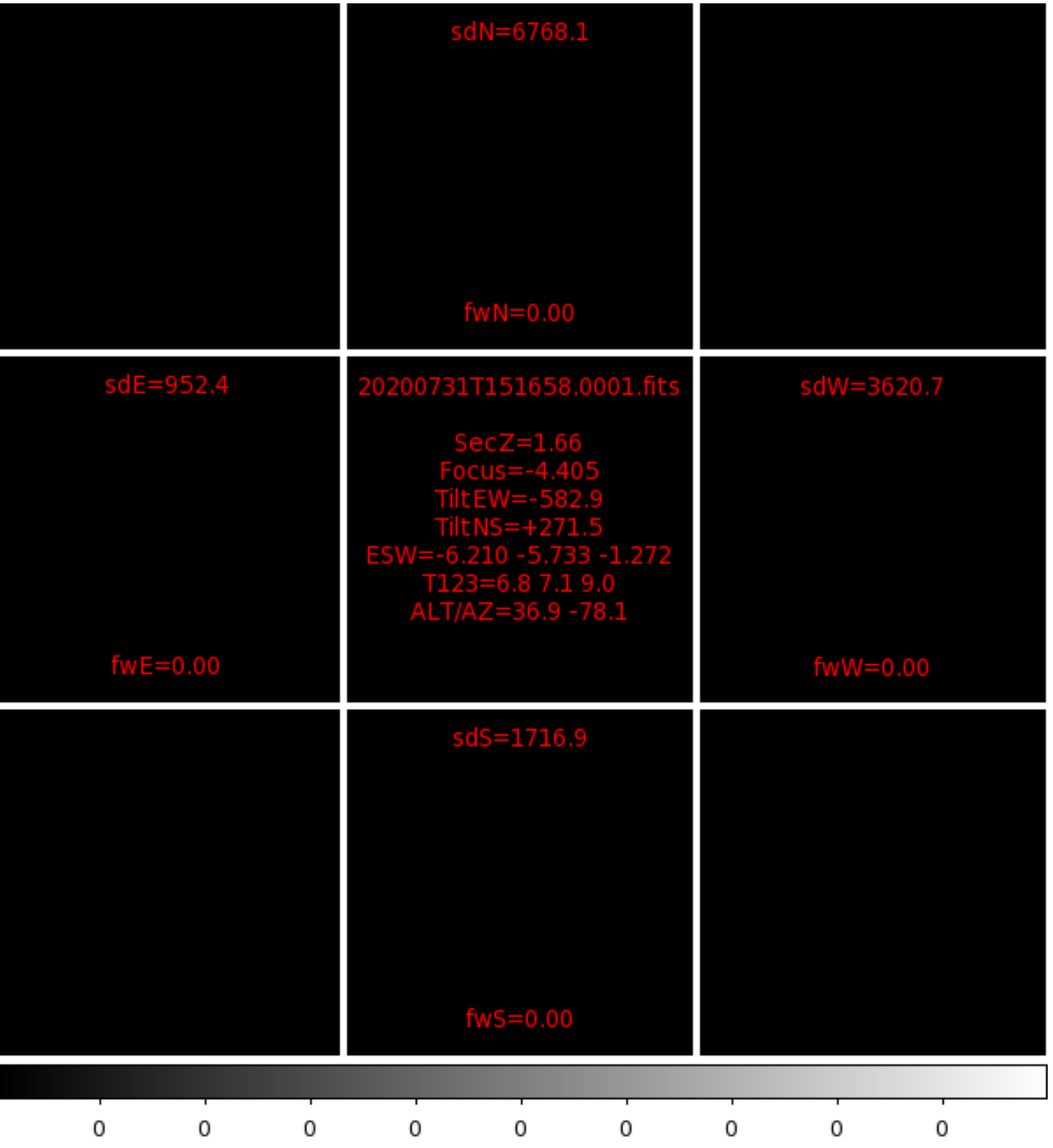
sdN=6768.1
fwN=0.00
sdE=952.4
fwE=0.00
20200731T151658.0001.fits
SecZ=1.66
Focus=-4.405
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.210 -5.733 -1.272
T123=6.8 7.1 9.0
ALT/AZ=36.9 -78.1
sdW=3620.7
fwW=0.00
sdS=1716.9
fwS=0.00
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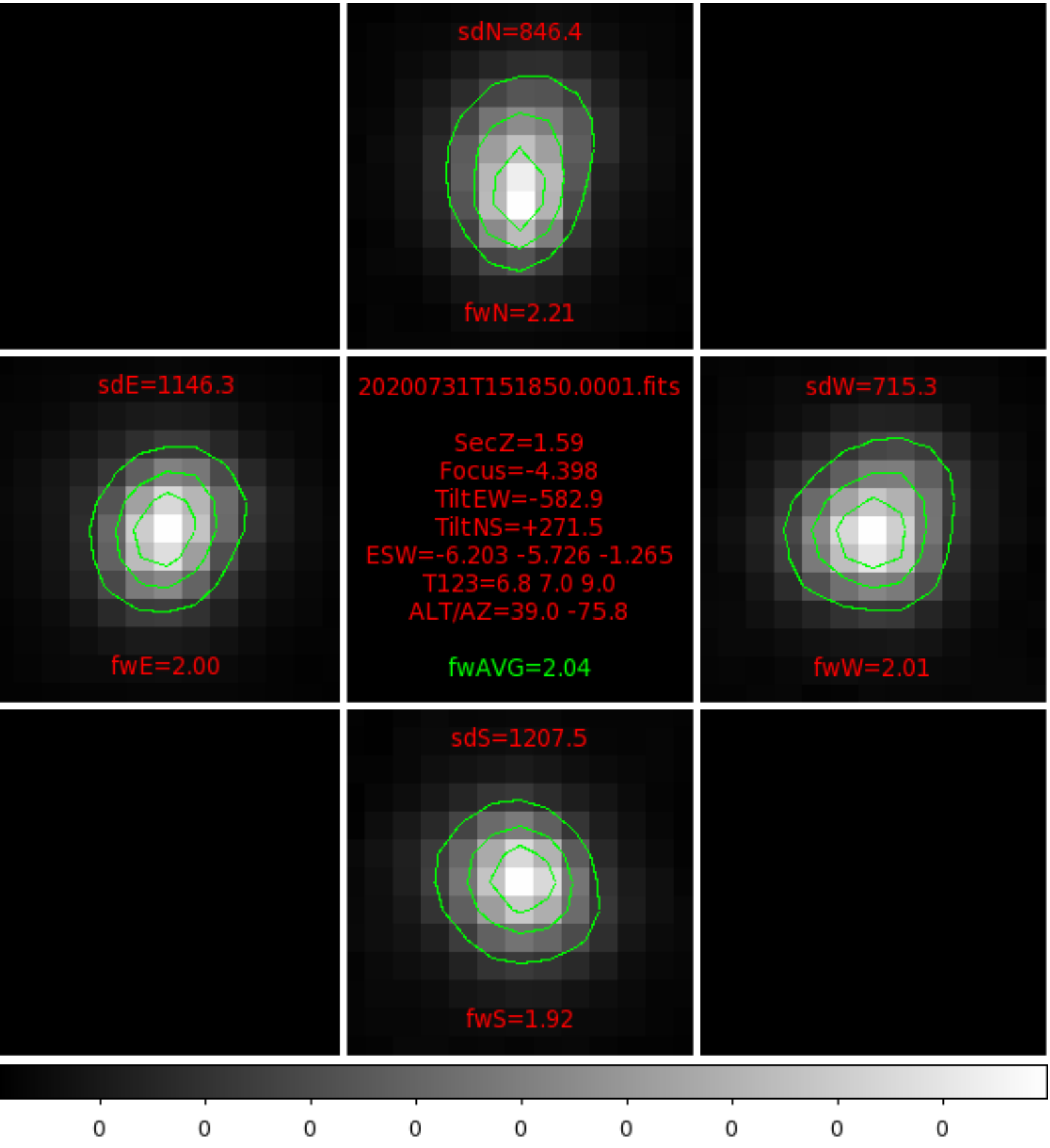
sdN=846.4
fwN=2.21
sdE=1146.3
fwE=2.00
20200731T151850.0001.fits
SecZ=1.59
Focus=-4.398
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.203 -5.726 -1.265
T123=6.8 7.0 9.0
ALT/AZ=39.0 -75.8
fwAVG=2.04
sdW=715.3
fwW=2.01
sdS=1207.5
fwS=1.92
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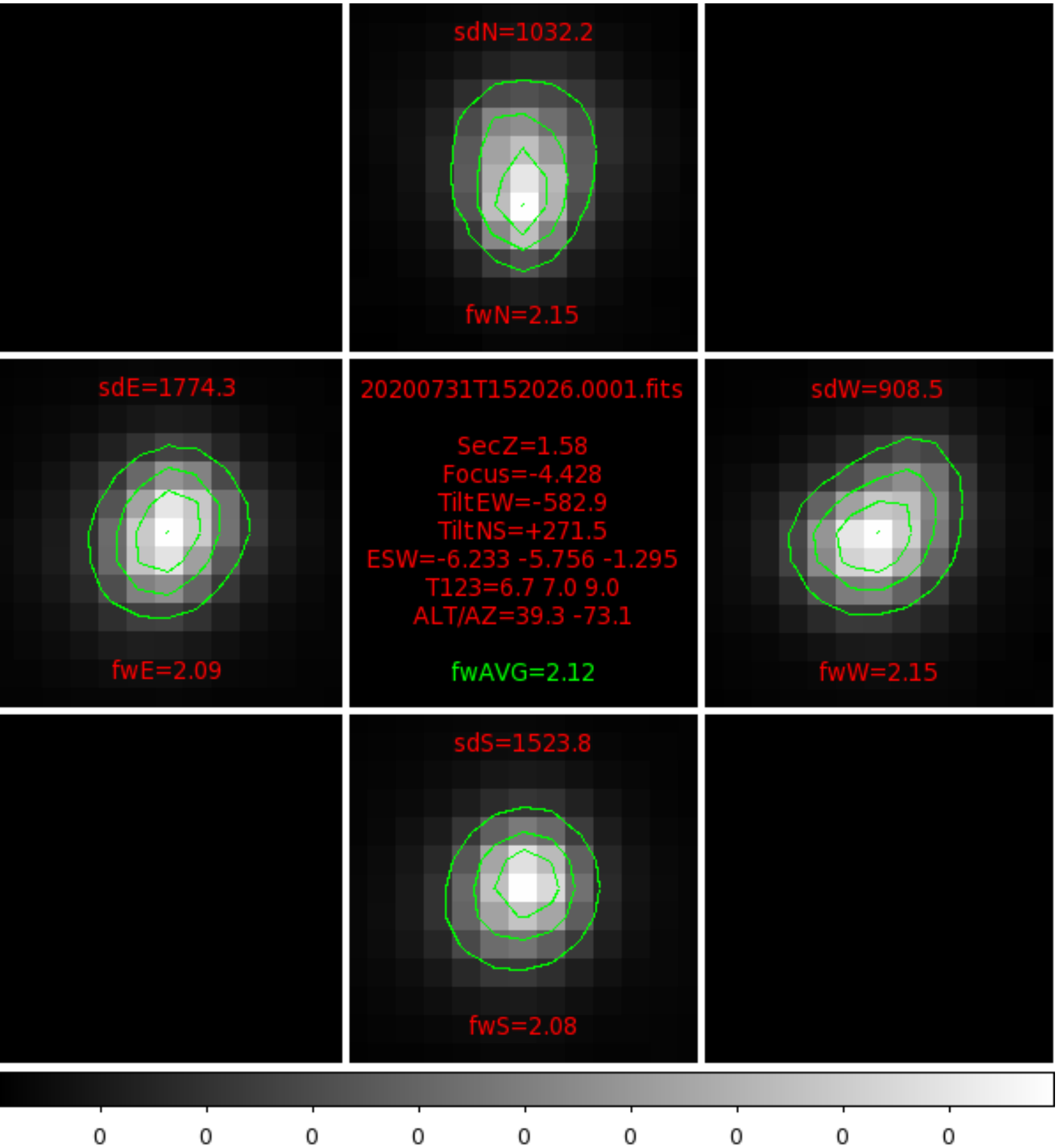
sdN=1032.2
fwN=2.15
sdE=1774.3
fwE=2.09
20200731T152026.0001.fits
SecZ=1.58
Focus=-4.428
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.233 -5.756 -1.295
T123=6.7 7.0 9.0
ALT/AZ=39.3 -73.1
fwAVG=2.12
sdW=908.5
fwW=2.15
sdS=1523.8
fwS=2.08
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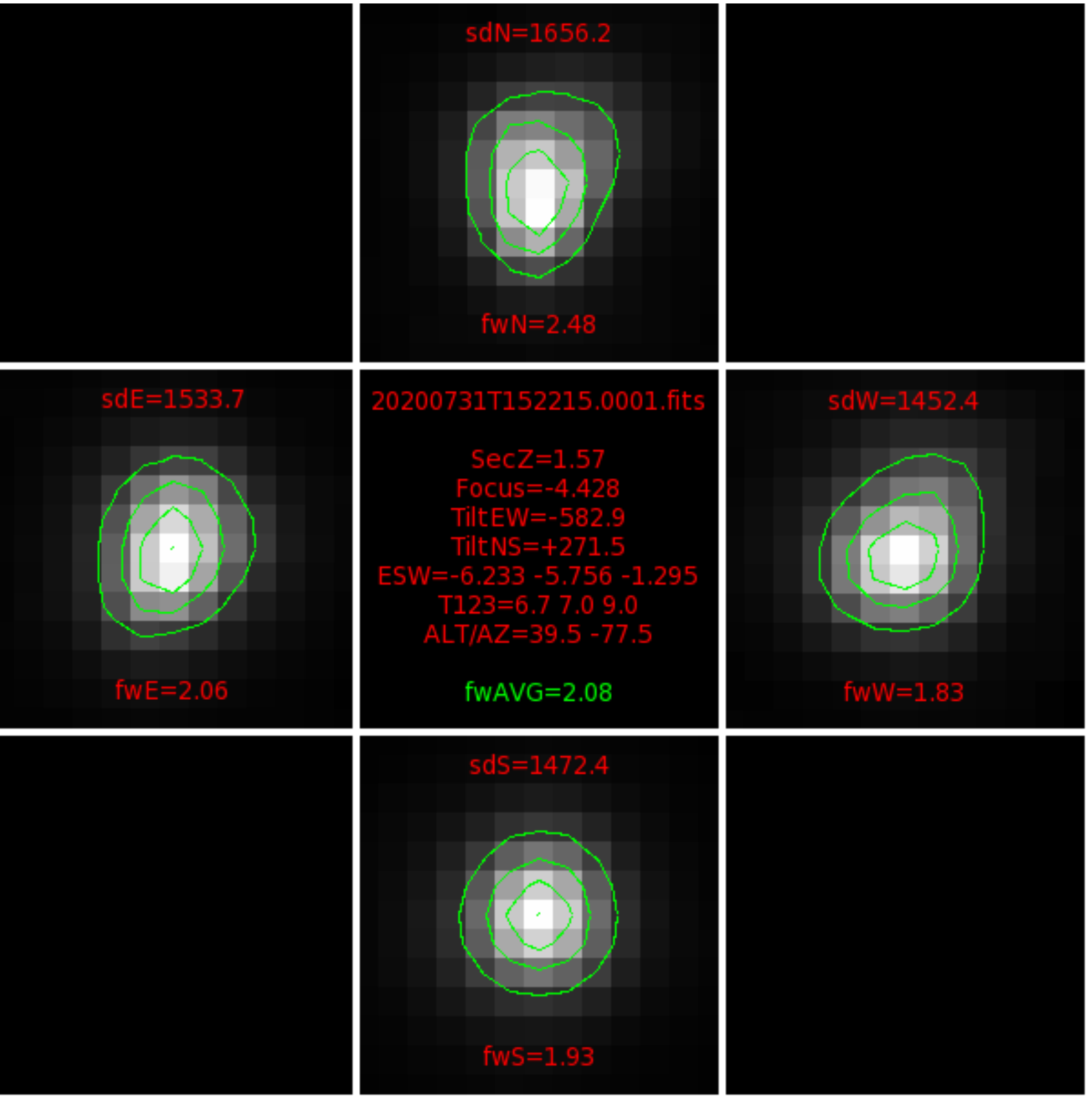
sdN=1656.2
fwN=2.48
sdE=1533.7
fwE=2.06
20200731T152215.0001.fits
SecZ=1.57
Focus=-4.428
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.233 -5.756 -1.295
T123=6.7 7.0 9.0
ALT/AZ=39.5 -77.5
fwAVG=2.08
sdW=1452.4
fwW=1.83
sdS=1472.4
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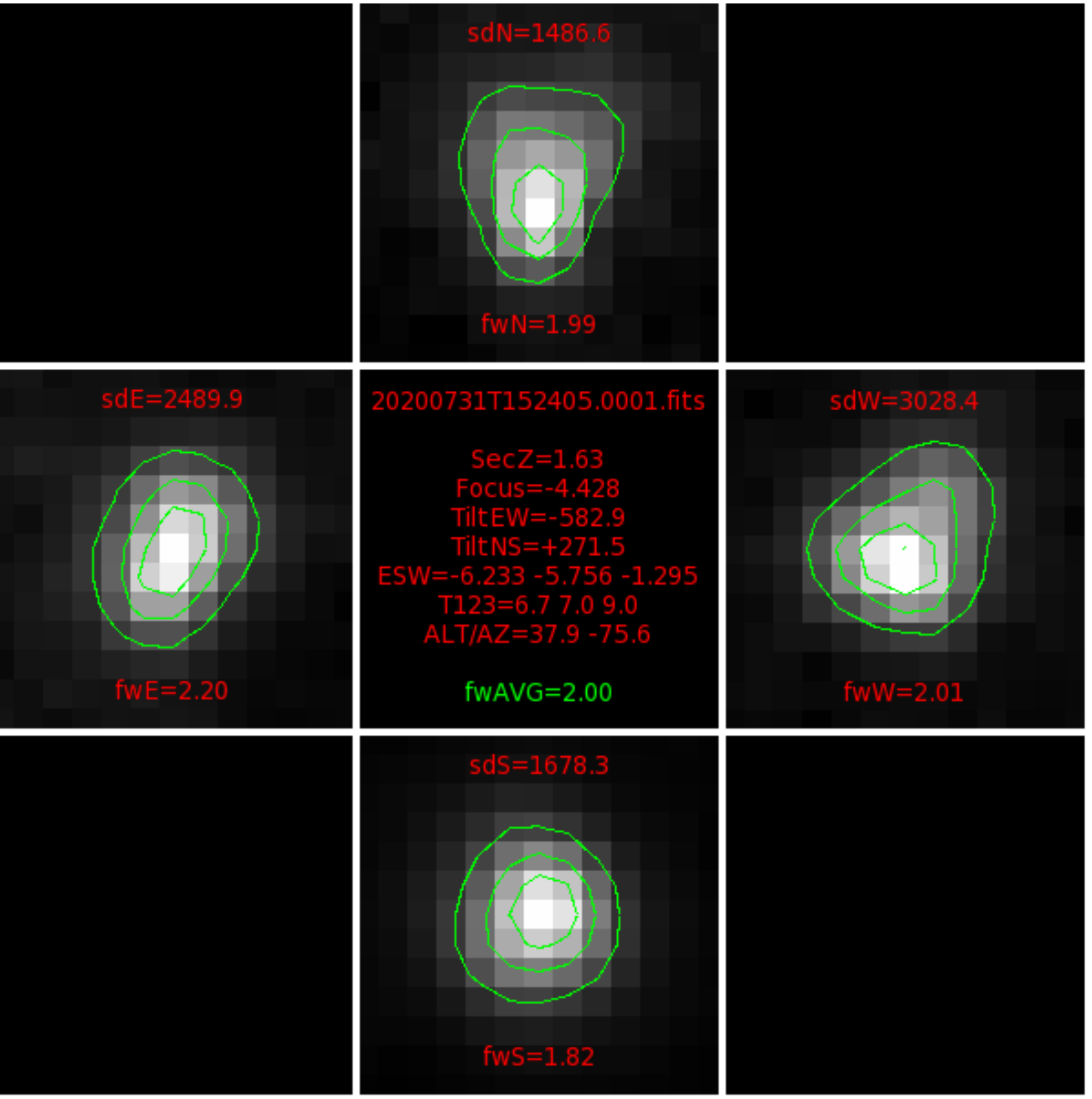
sdN=1486.6
fwN=1.99
sdE=2489.9
fwE=2.20
20200731T152405.0001.fits
SecZ=1.63
Focus=-4.428
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.233 -5.756 -1.295
T123=6.7 7.0 9.0
ALT/AZ=37.9 -75.6
fwAVG=2.00
sdW=3028.4
fwW=2.01
sdS=1678.3
fwS=1.82
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sdN=0.0
fwN=0.00
sdE=2227.5
20200731T152544.0001.fits
SecZ=1.60
Focus=-4.378
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.183 -5.706 -1.245
T123=6.7 7.0 9.0
ALT/AZ=38.6 -80.2
sdW=1769.7
fwE=0.00
fwW=0.00
sdS=1943.6
fwS=2.22
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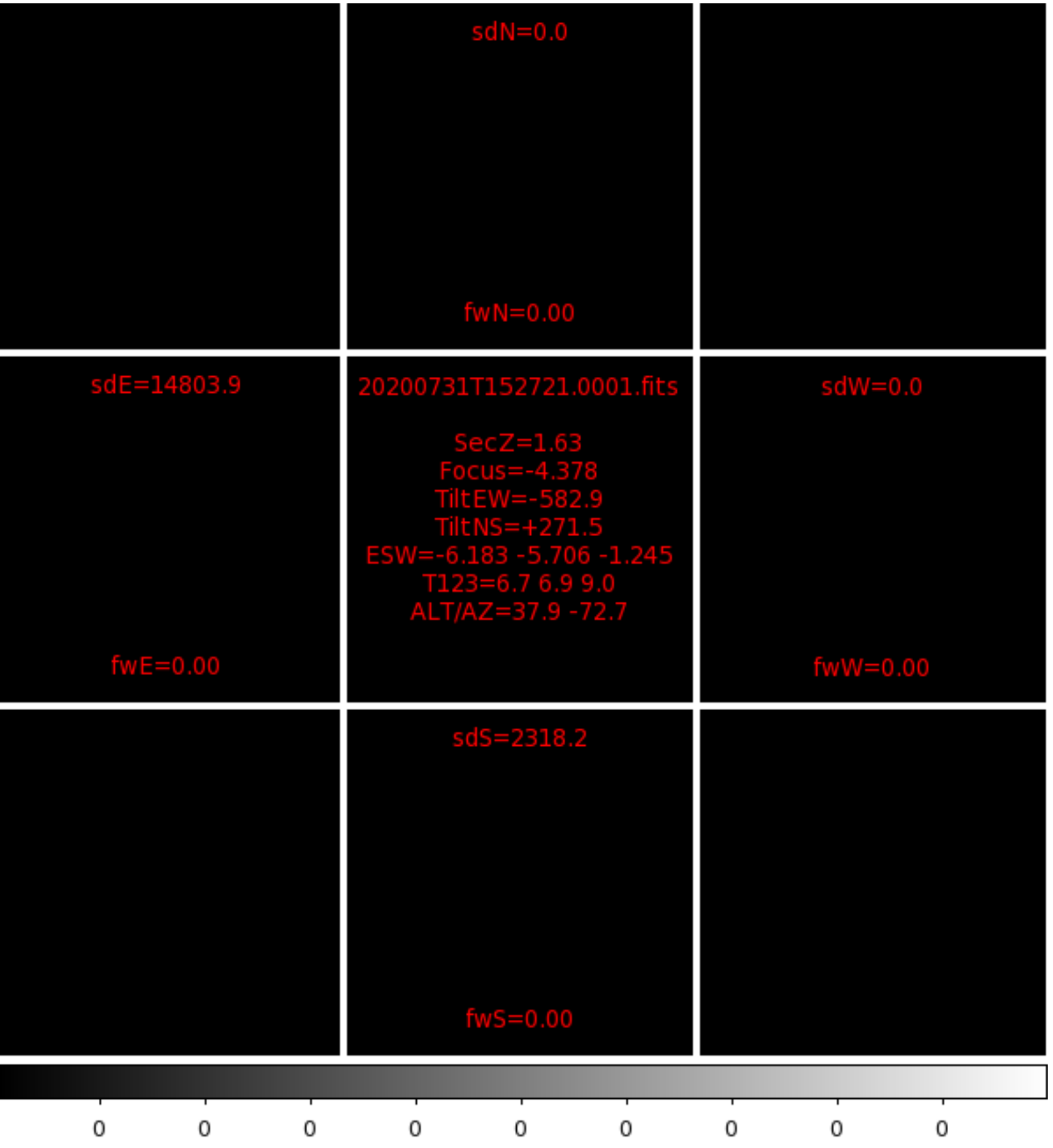
sdN=0.0
fwN=0.00
sdE=14803.9
fwE=0.00
20200731T152721.0001.fits
SecZ=1.63
Focus=-4.378
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.183 -5.706 -1.245
T123=6.7 6.9 9.0
ALT/AZ=37.9 -72.7
sdW=0.0
fwW=0.00
sdS=2318.2
fwS=0.00
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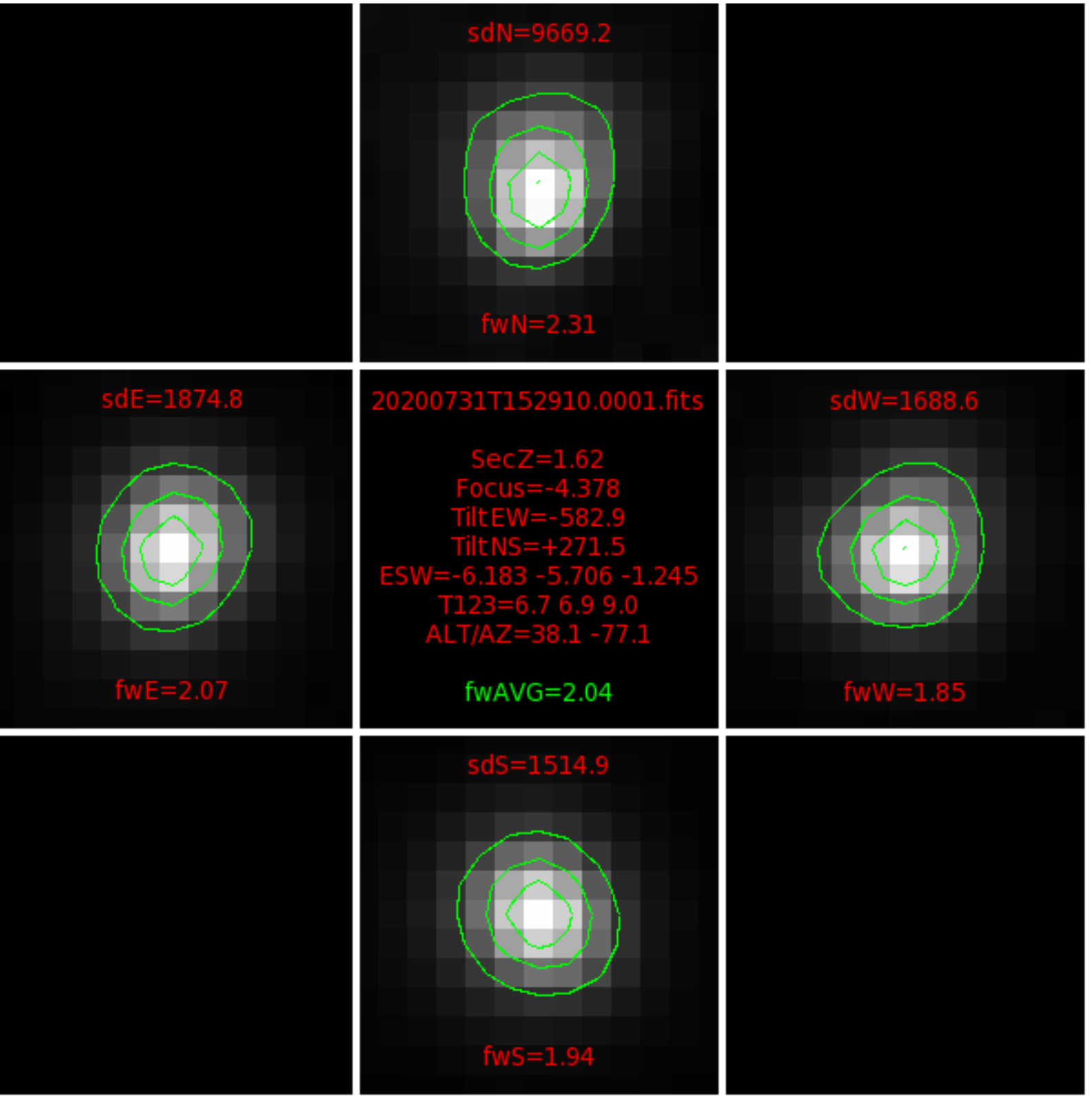
sdN=9669.2
fwN=2.31
sdE=1874.8
fwE=2.07
20200731T152910.0001.fits
SecZ=1.62
Focus=-4.378
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.183 -5.706 -1.245
T123=6.7 6.9 9.0
ALT/AZ=38.1 -77.1
fwAVG=2.04
sdW=1688.6
fwW=1.85
sdS=1514.9
fwS=1.94
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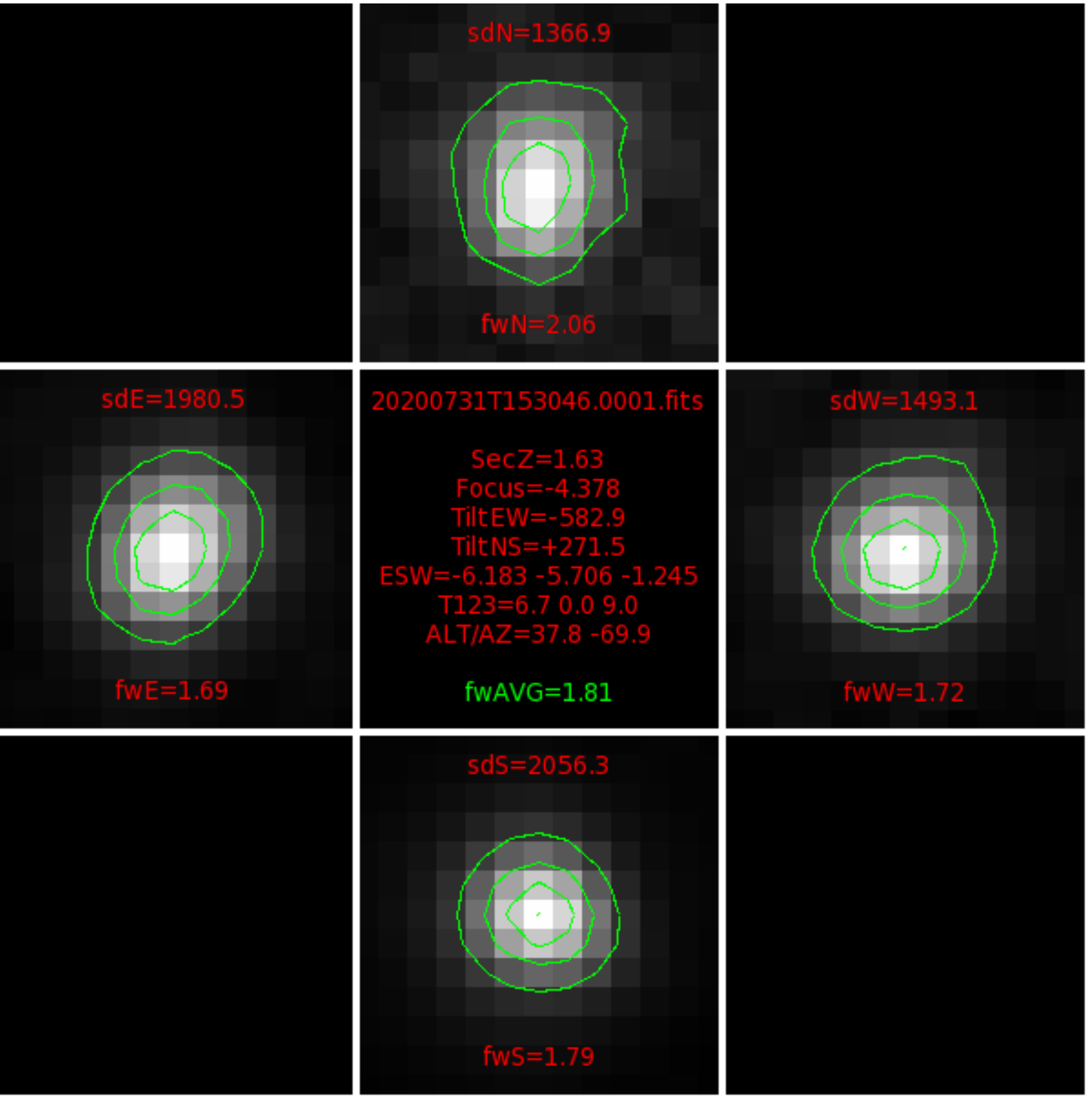
sdN=1366.9
fwN=2.06
sdE=1980.5
fwE=1.69
20200731T153046.0001.fits
SecZ=1.63
Focus=-4.378
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.183 -5.706 -1.245
T123=6.7 0.0 9.0
ALT/AZ=37.8 -69.9
fwAVG=1.81
sdW=1493.1
fwW=1.72
sdS=2056.3
fwS=1.79
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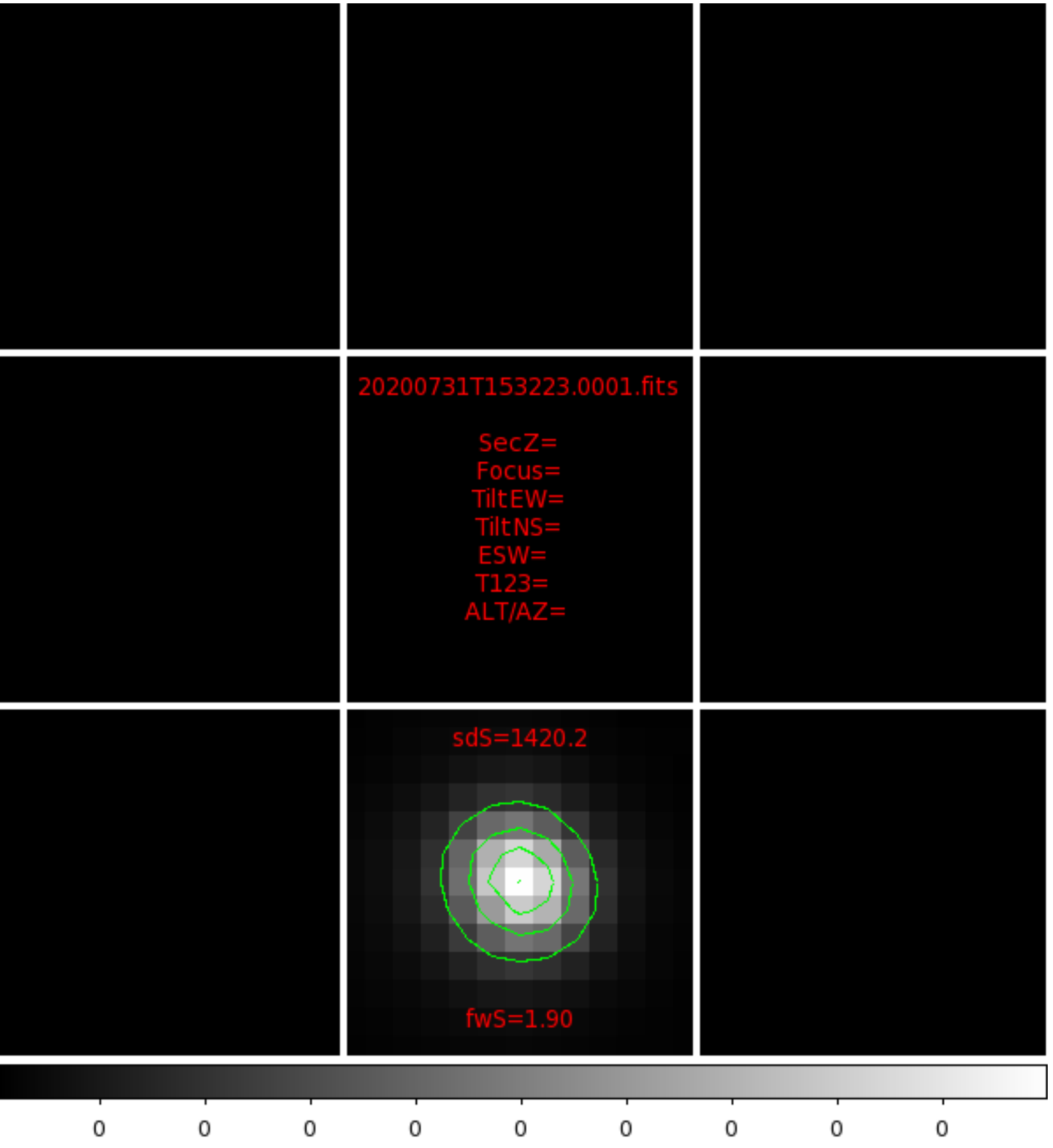
20200731T153223.0001.fits
SecZ=
Focus=
TiltEW=
TiltNS=
ESW=
T123=
ALT/AZ=
sdS=1420.2
fwS=1.90
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0
0
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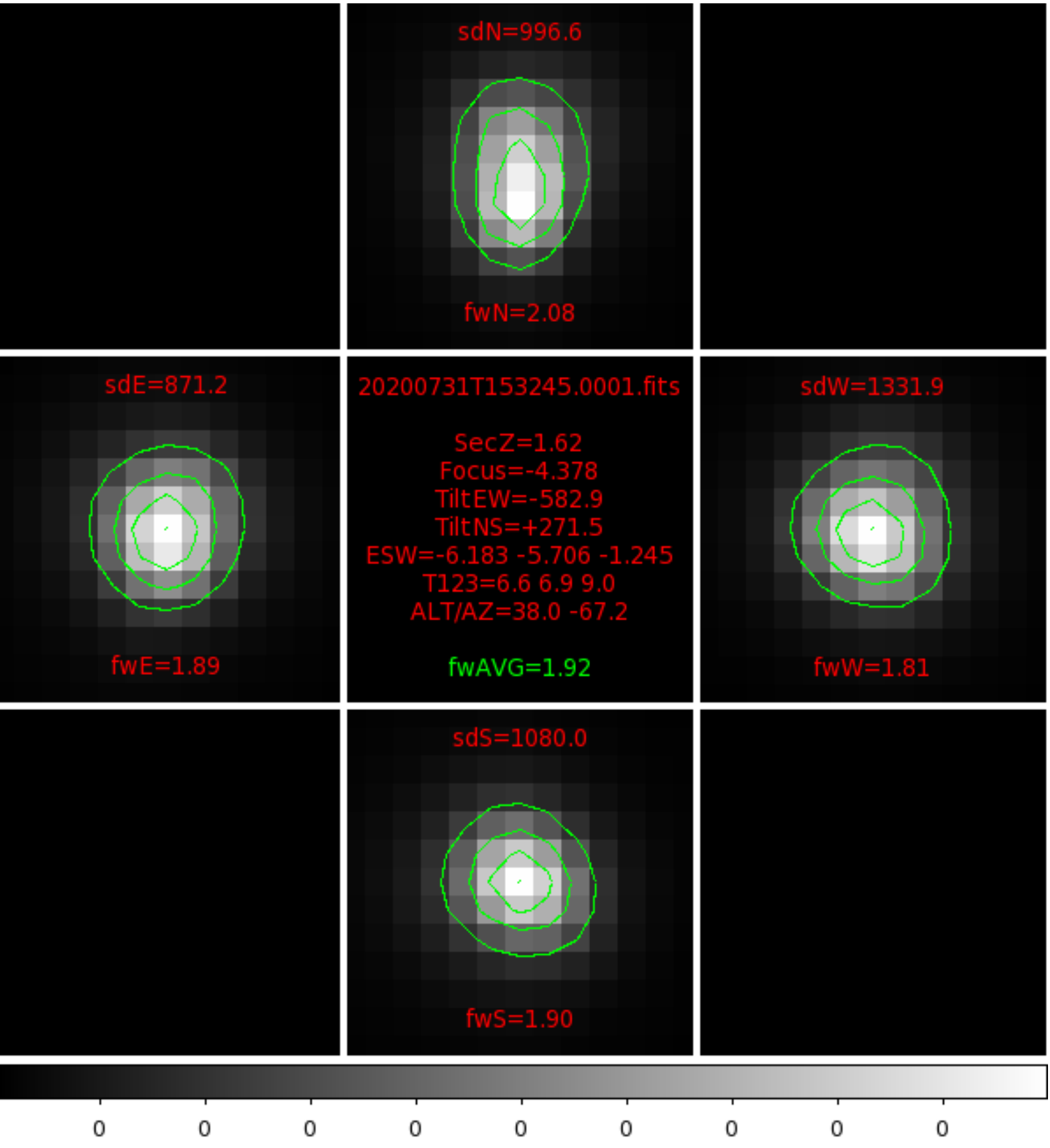
sdN=996.6
fwN=2.08
sdE=871.2
fwE=1.89
20200731T153245.0001.fits
SecZ=1.62
Focus=-4.378
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.183 -5.706 -1.245
T123=6.6 6.9 9.0
ALT/AZ=38.0 -67.2
fwAVG=1.92
sdW=1331.9
fwW=1.81
sdS=1080.0
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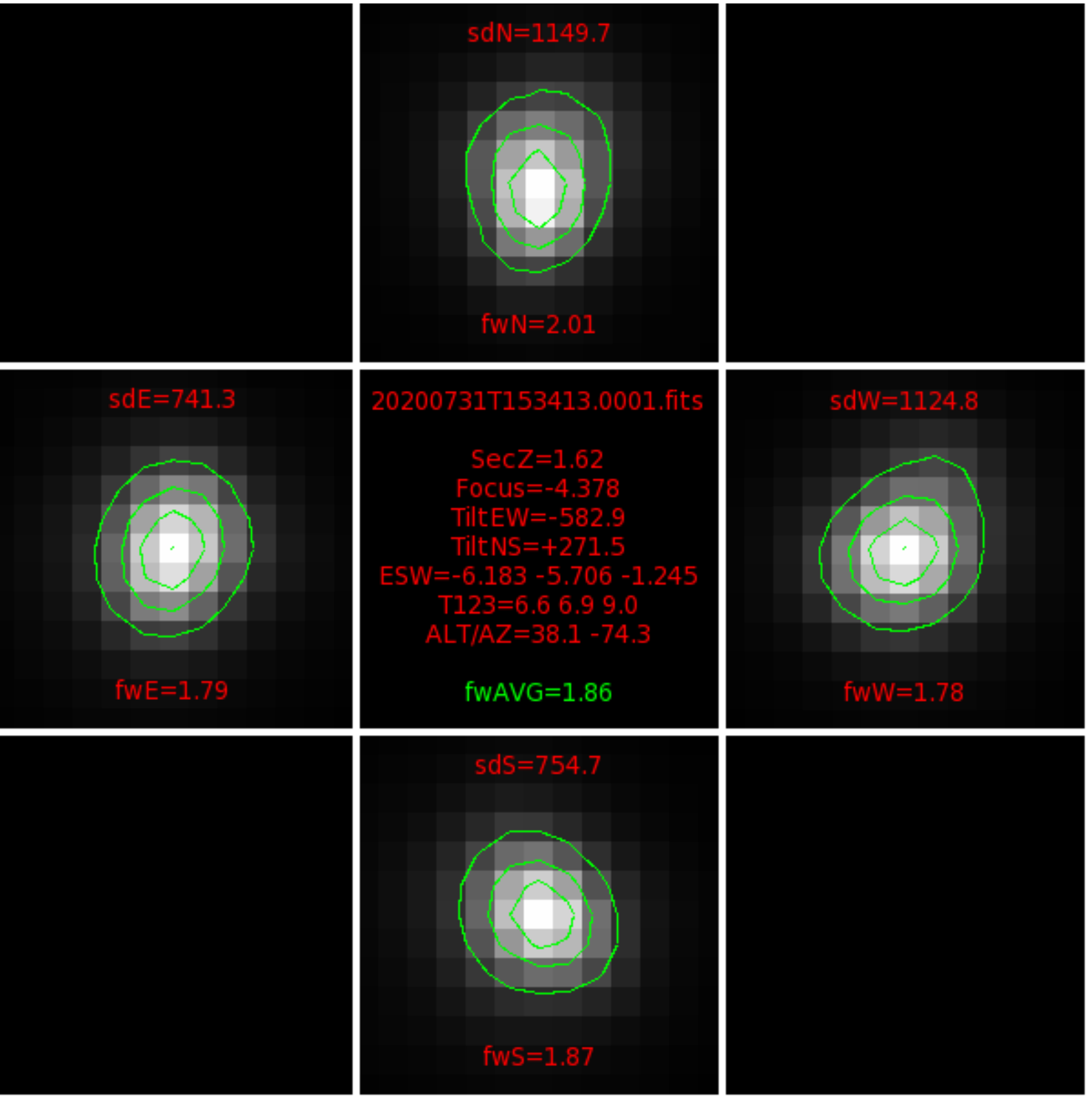
sdN=1149.7
fwN=2.01
sdE=741.3
fwE=1.79
20200731T153413.0001.fits
SecZ=1.62
Focus=-4.378
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.183 -5.706 -1.245
T123=6.6 6.9 9.0
ALT/AZ=38.1 -74.3
fwAVG=1.86
sdW=1124.8
fwW=1.78
sdS=754.7
fwS=1.87
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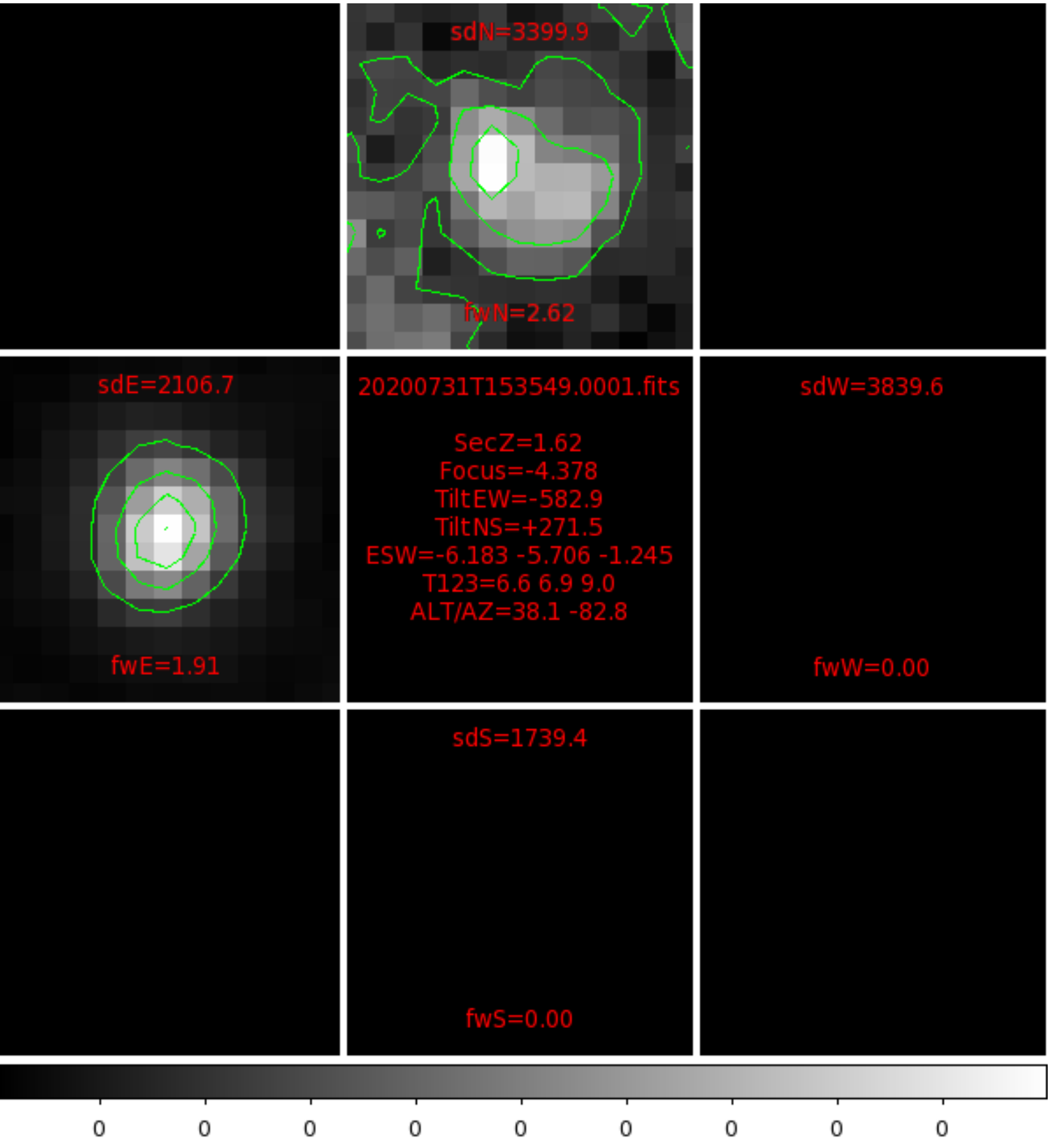
sdN=3399.9
fwN=2.62
sdE=2106.7
fwE=1.91
20200731T153549.0001.fits
SecZ=1.62
Focus=-4.378
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.183 -5.706 -1.245
T123=6.6 6.9 9.0
ALT/AZ=38.1 -82.8
sdW=3839.6
fwW=0.00
sdS=1739.4
fwS=0.00
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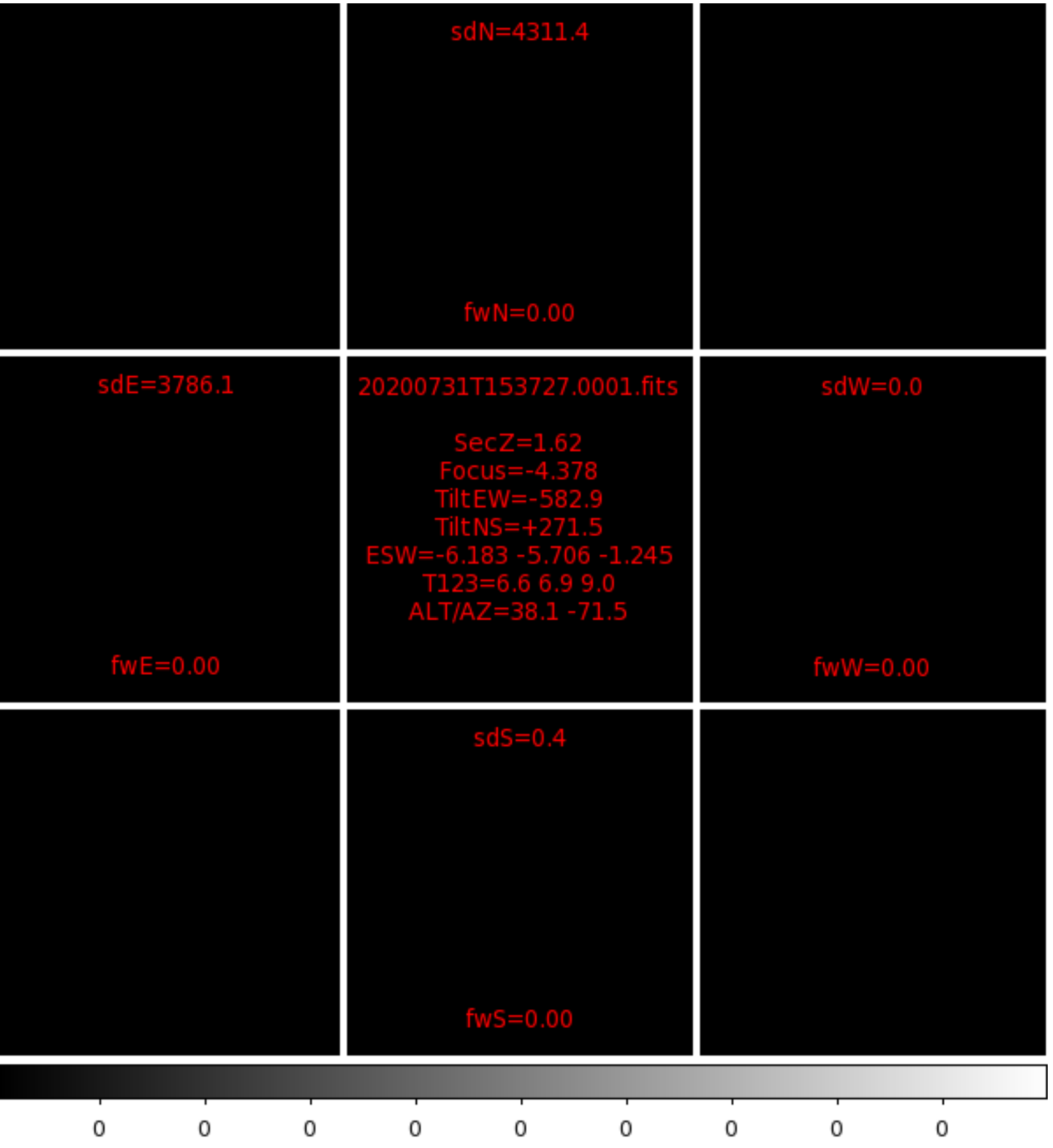
sdN=4311.4
fwN=0.00
sdE=3786.1
fwE=0.00
20200731T153727.0001.fits
SecZ=1.62
Focus=-4.378
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.183 -5.706 -1.245
T123=6.6 6.9 9.0
ALT/AZ=38.1 -71.5
sdW=0.0
fwW=0.00
sdS=0.4
fwS=0.00
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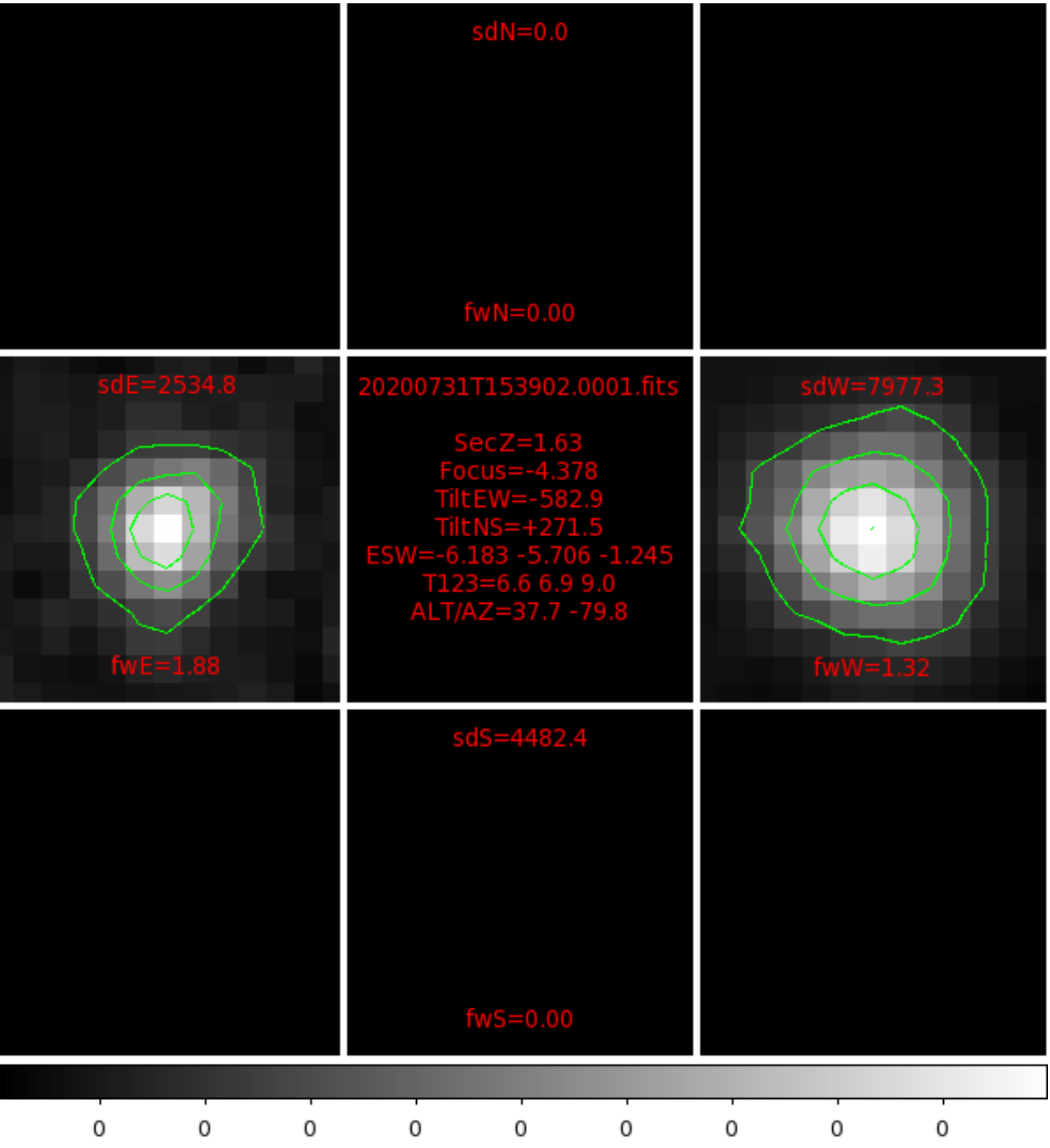
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sdE=2534.8
fwE=1.88
20200731T153902.0001.fits
SecZ=1.63
Focus=-4.378
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.183 -5.706 -1.245
T123=6.6 6.9 9.0
ALT/AZ=37.7 -79.8
sdW=7977.3
fwW=1.32
sdS=4482.4
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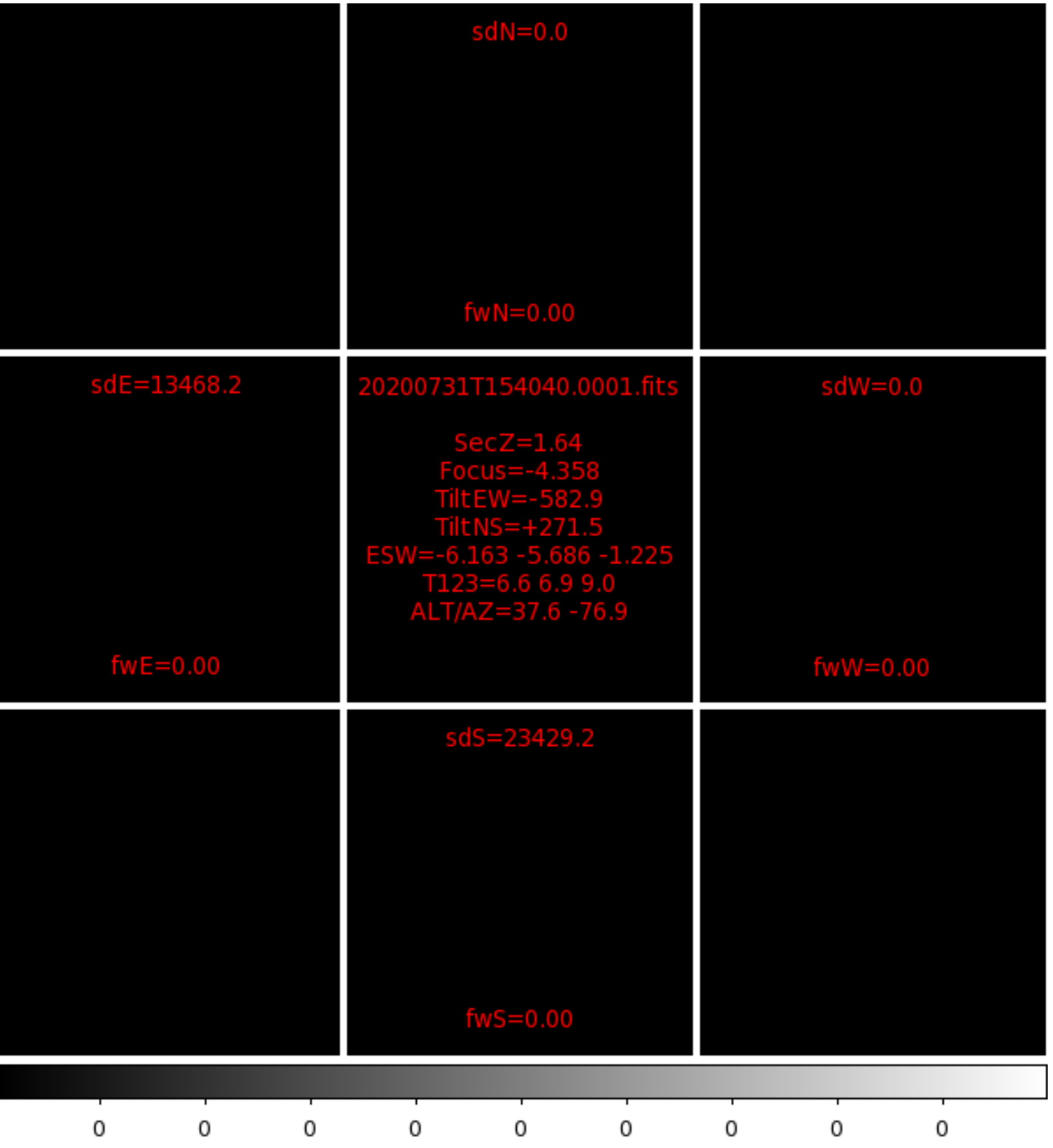
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sdE=13468.2
fwE=0.00
20200731T154040.0001.fits
SecZ=1.64
Focus=-4.358
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.163 -5.686 -1.225
T123=6.6 6.9 9.0
ALT/AZ=37.6 -76.9
sdW=0.0
fwW=0.00
sdS=23429.2
fwS=0.00
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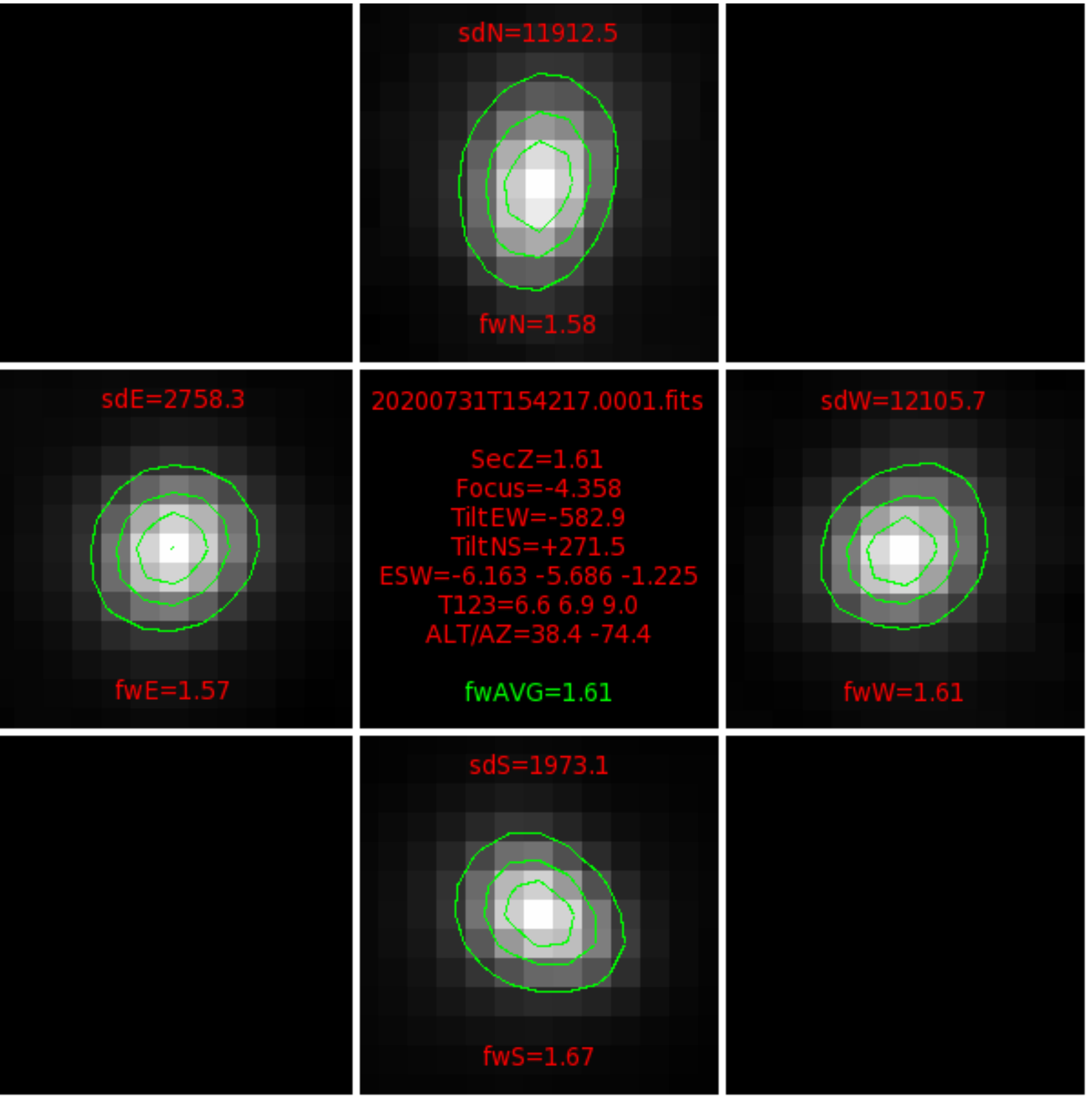
sdN=11912.5
fwN=1.58
sdE=2758.3
fwE=1.57
20200731T154217.0001.fits
SecZ=1.61
Focus=-4.358
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.163 -5.686 -1.225
T123=6.6 6.9 9.0
ALT/AZ=38.4 -74.4
fwAVG=1.61
sdW=12105.7
fwW=1.61
sdS=1973.1
fwS=1.67
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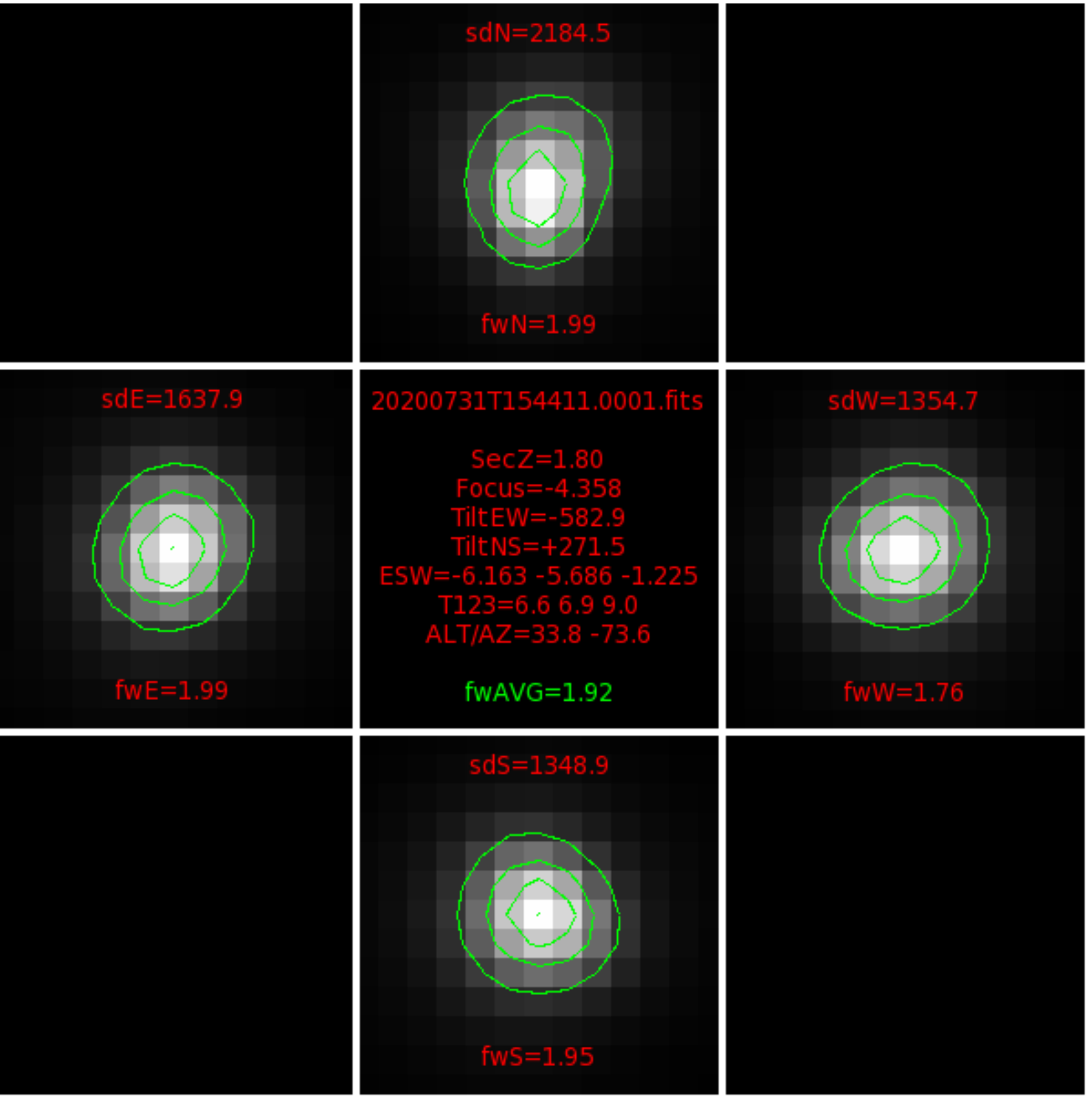
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fwN=1.99
sdE=1637.9
fwE=1.99
20200731T154411.0001.fits
SecZ=1.80
Focus=-4.358
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.163 -5.686 -1.225
T123=6.6 6.9 9.0
ALT/AZ=33.8 -73.6
fwAVG=1.92
sdW=1354.7
fwW=1.76
sdS=1348.9
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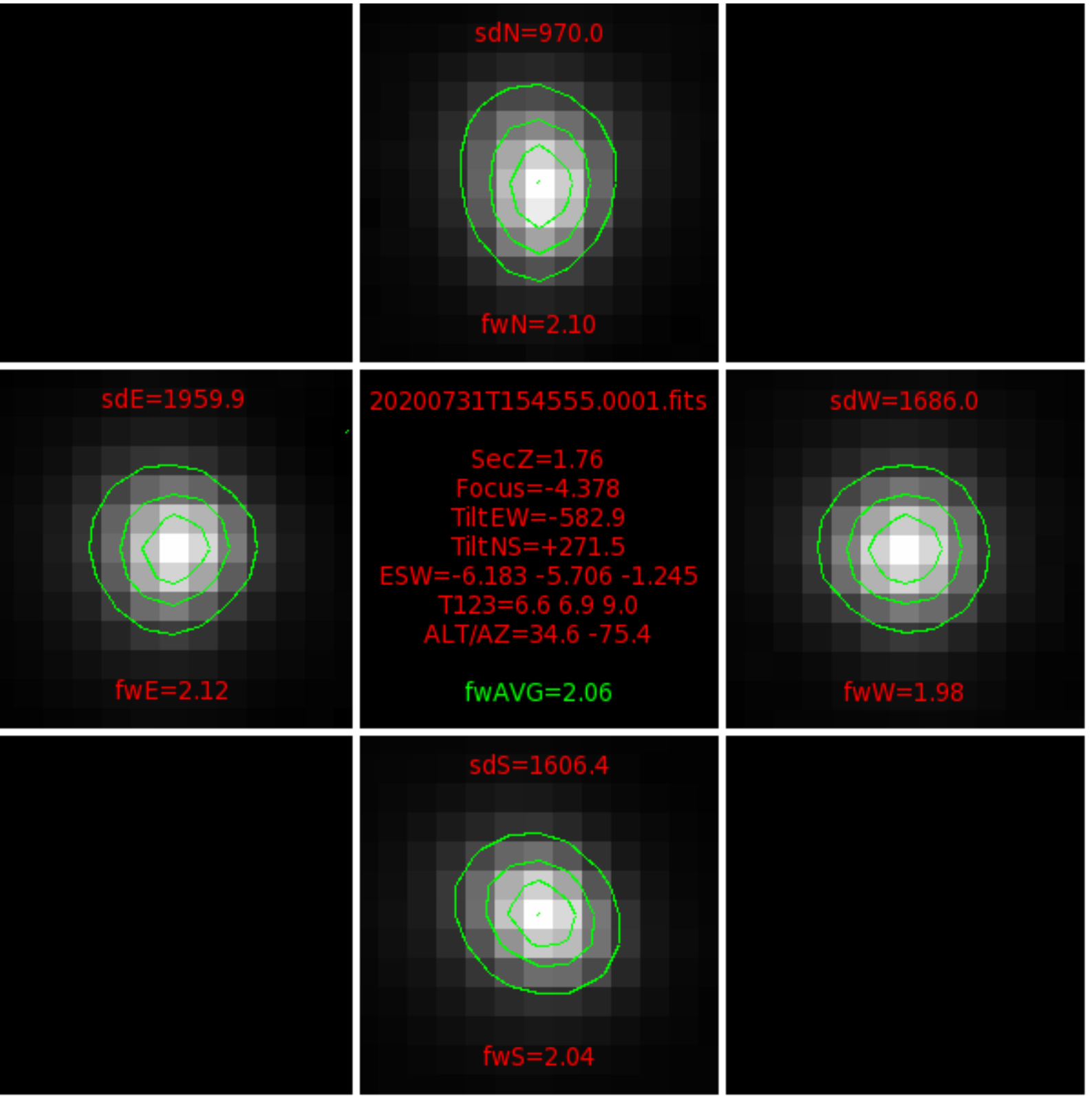
sdN=970.0
fwN=2.10
sdE=1959.9
fwE=2.12
20200731T154555.0001.fits
SecZ=1.76
Focus=-4.378
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.183 -5.706 -1.245
T123=6.6 6.9 9.0
ALT/AZ=34.6 -75.4
fwAVG=2.06
sdW=1686.0
fwW=1.98
sdS=1606.4
fwS=2.04
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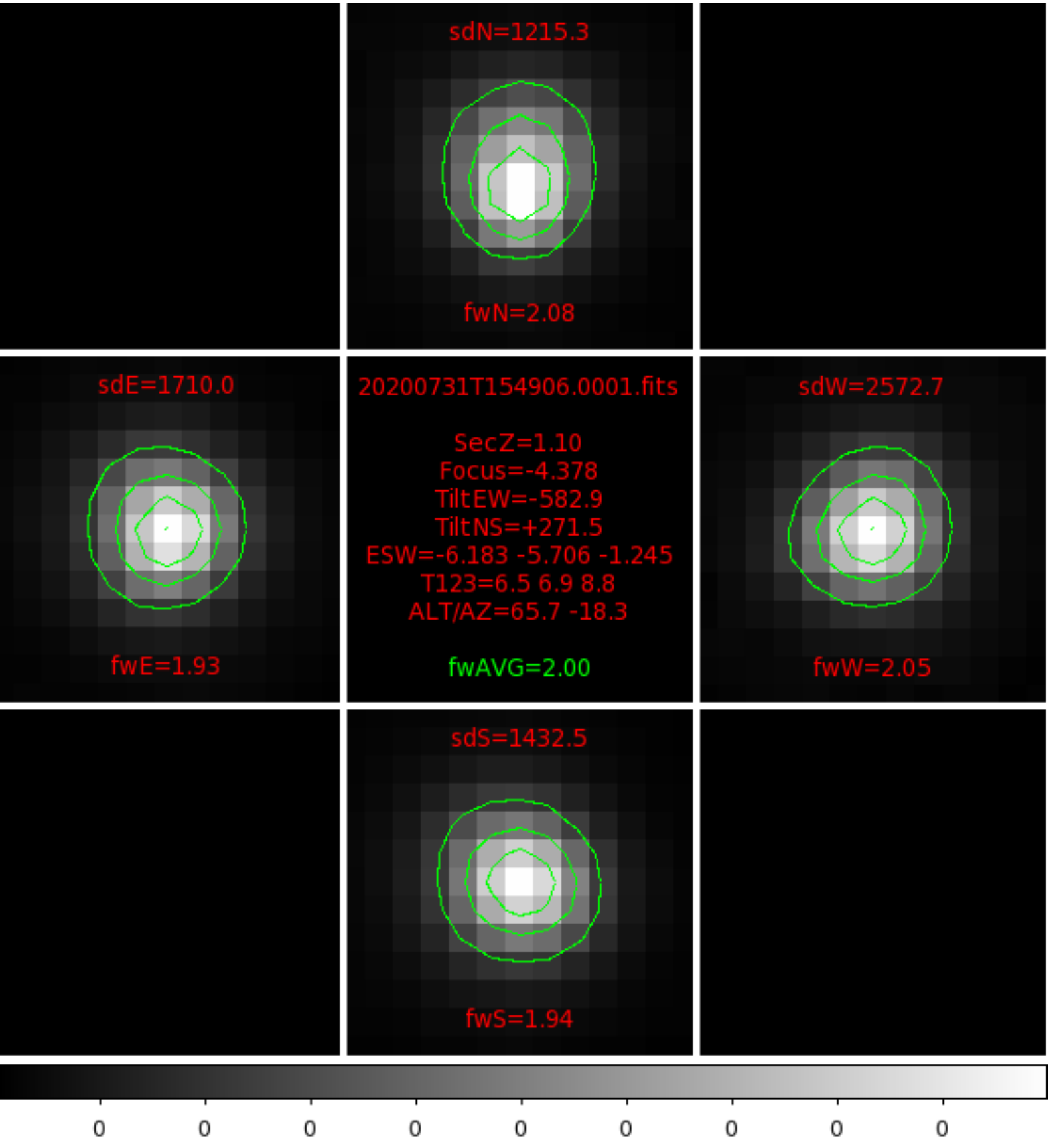
sdN=1215.3
fwN=2.08
sdE=1710.0
fwE=1.93
20200731T154906.0001.fits
SecZ=1.10
Focus=-4.378
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.183 -5.706 -1.245
T123=6.5 6.9 8.8
ALT/AZ=65.7 -18.3
fwAVG=2.00
sdW=2572.7
fwW=2.05
sdS=1432.5
fwS=1.94
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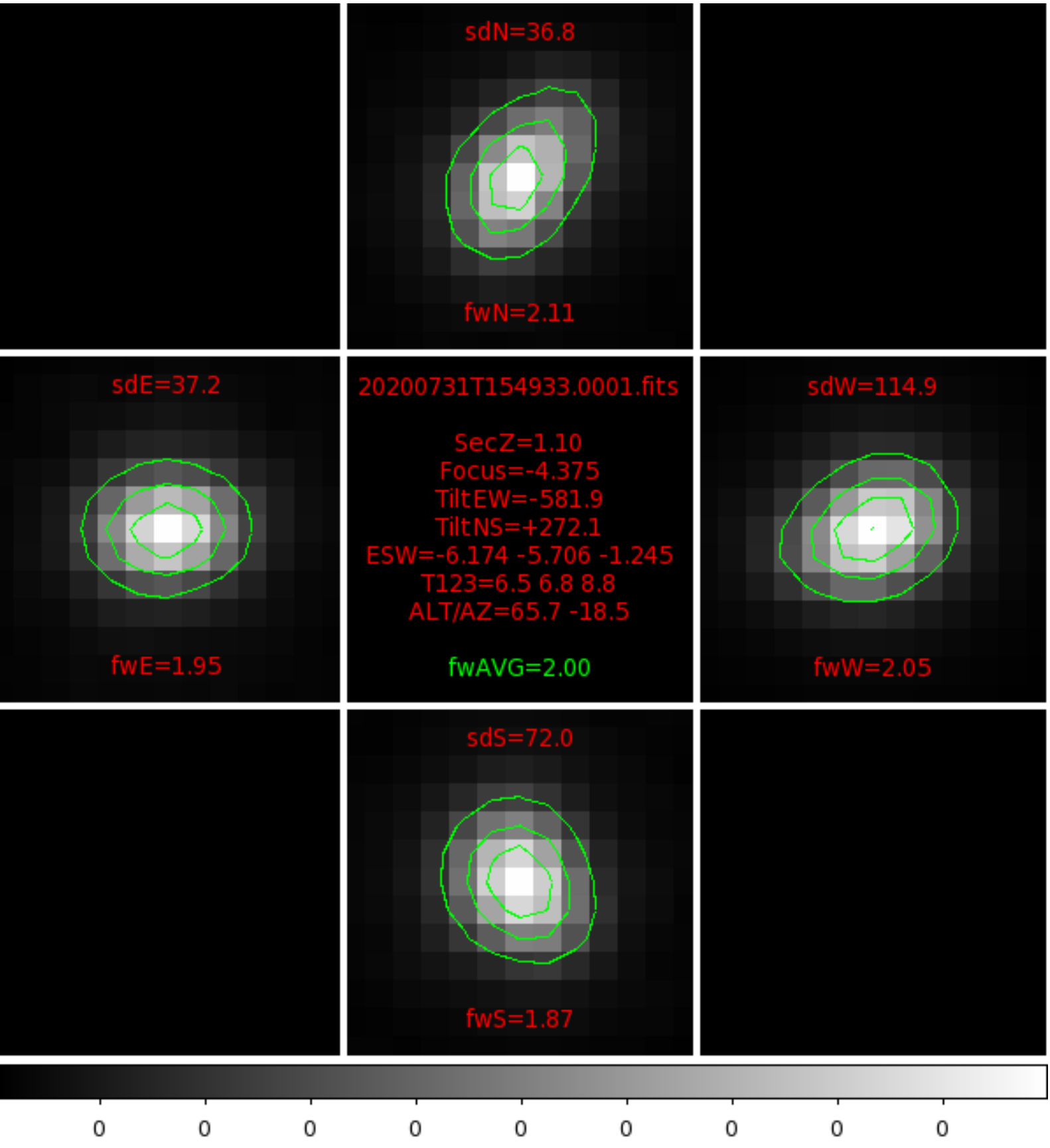
sdN=36.8
fwN=2.11
sdE=37.2
fwE=1.95
20200731T154933.0001.fits
SecZ=1.10
Focus=-4.375
TiltEW=-581.9
TiltNS=+272.1
ESW=-6.174 -5.706 -1.245
T123=6.5 6.8 8.8
ALT/AZ=65.7 -18.5
fwAVG=2.00
sdW=114.9
fwW=2.05
sdS=72.0
fwS=1.87
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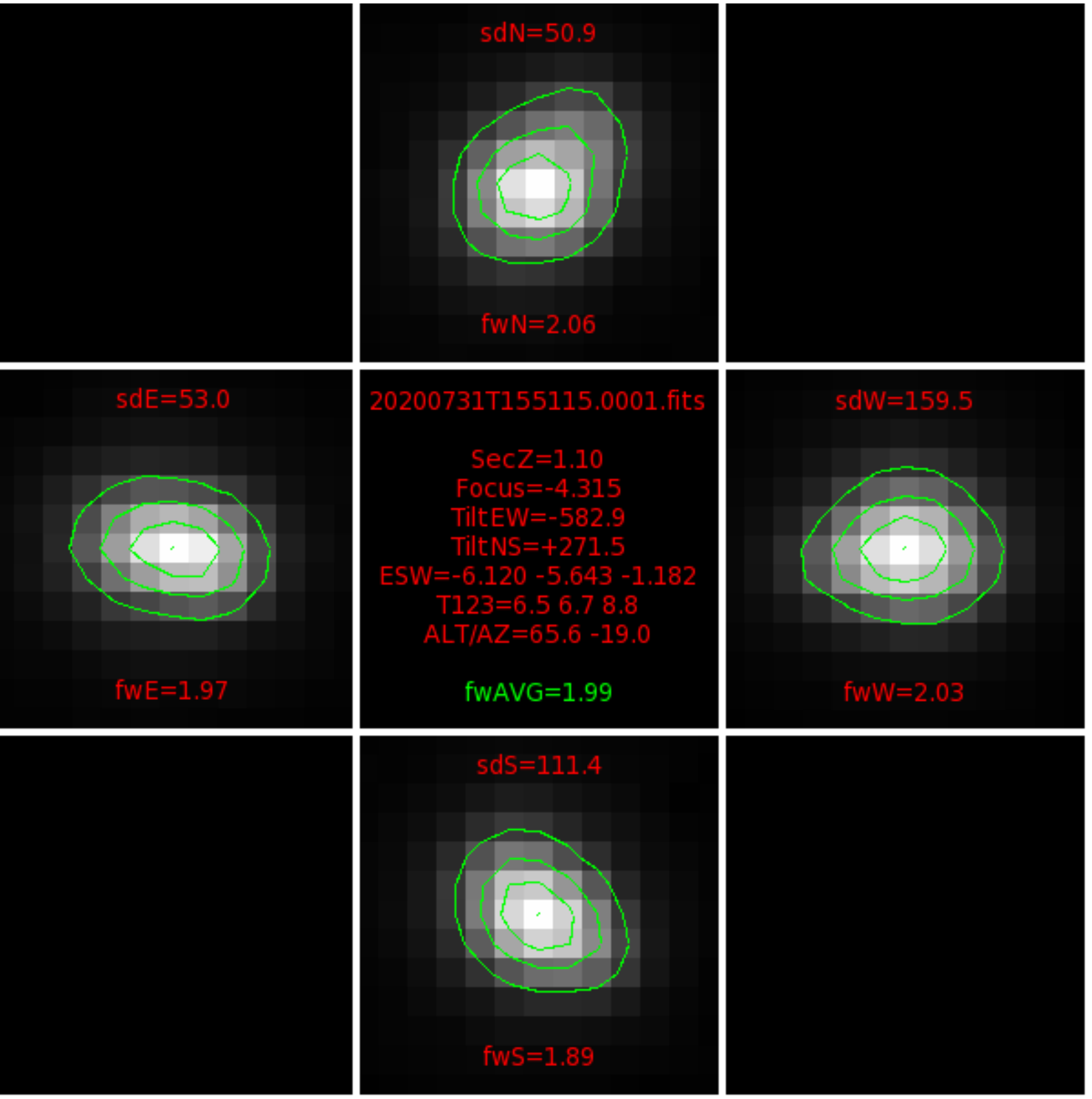
sdN=50.9
fwN=2.06
sdE=53.0
fwE=1.97
20200731T155115.0001.fits
SecZ=1.10
Focus=-4.315
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.120 -5.643 -1.182
T123=6.5 6.7 8.8
ALT/AZ=65.6 -19.0
fwAVG=1.99
sdW=159.5
fwW=2.03
sdS=111.4
fwS=1.89
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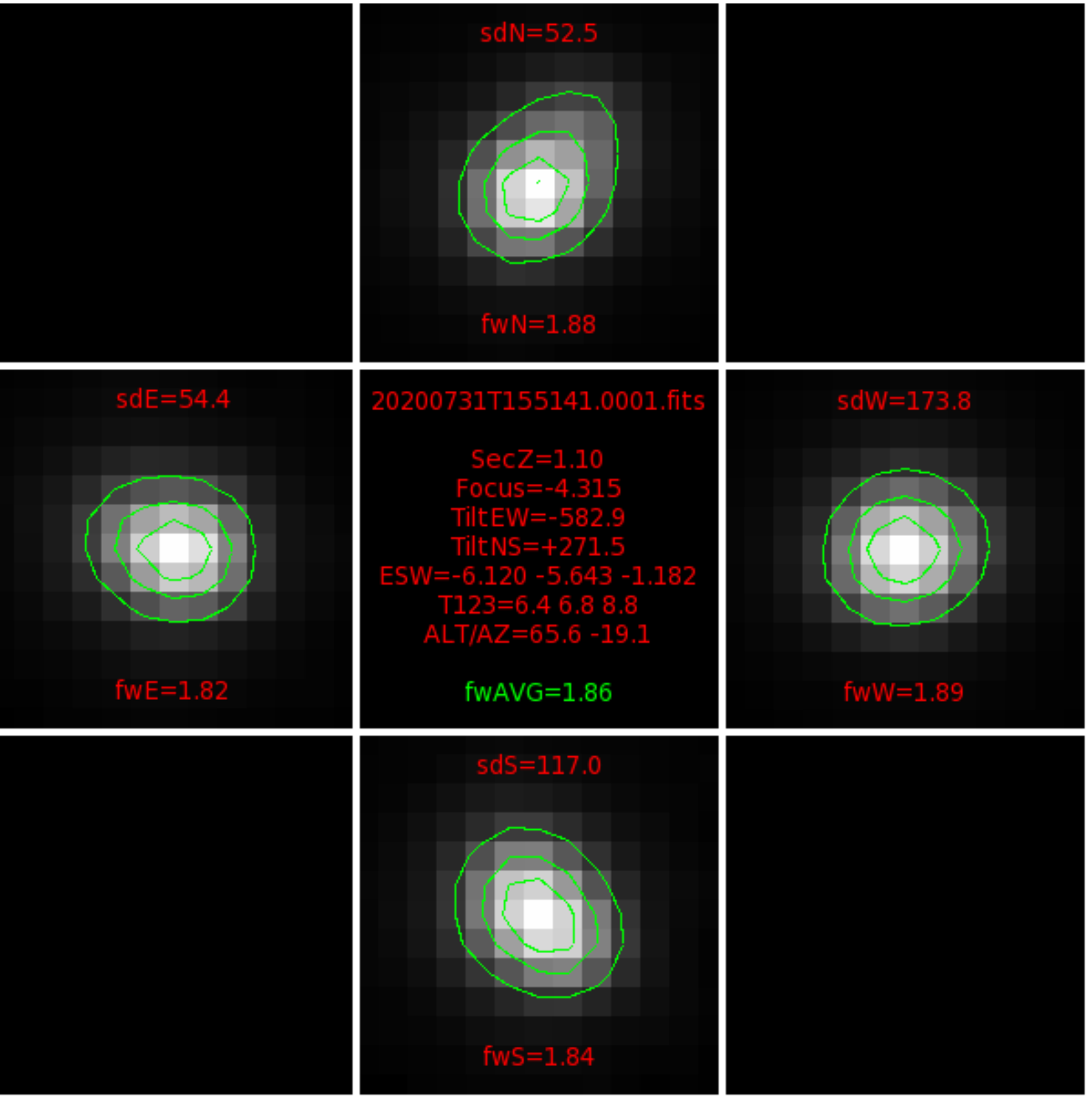
sdN=52.5
fwN=1.88
sdE=54.4
fwE=1.82
20200731T155141.0001.fits
SecZ=1.10
Focus=-4.315
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.120 -5.643 -1.182
T123=6.4 6.8 8.8
ALT/AZ=65.6 -19.1
fwAVG=1.86
sdW=173.8
fwW=1.89
sdS=117.0
fwS=1.84
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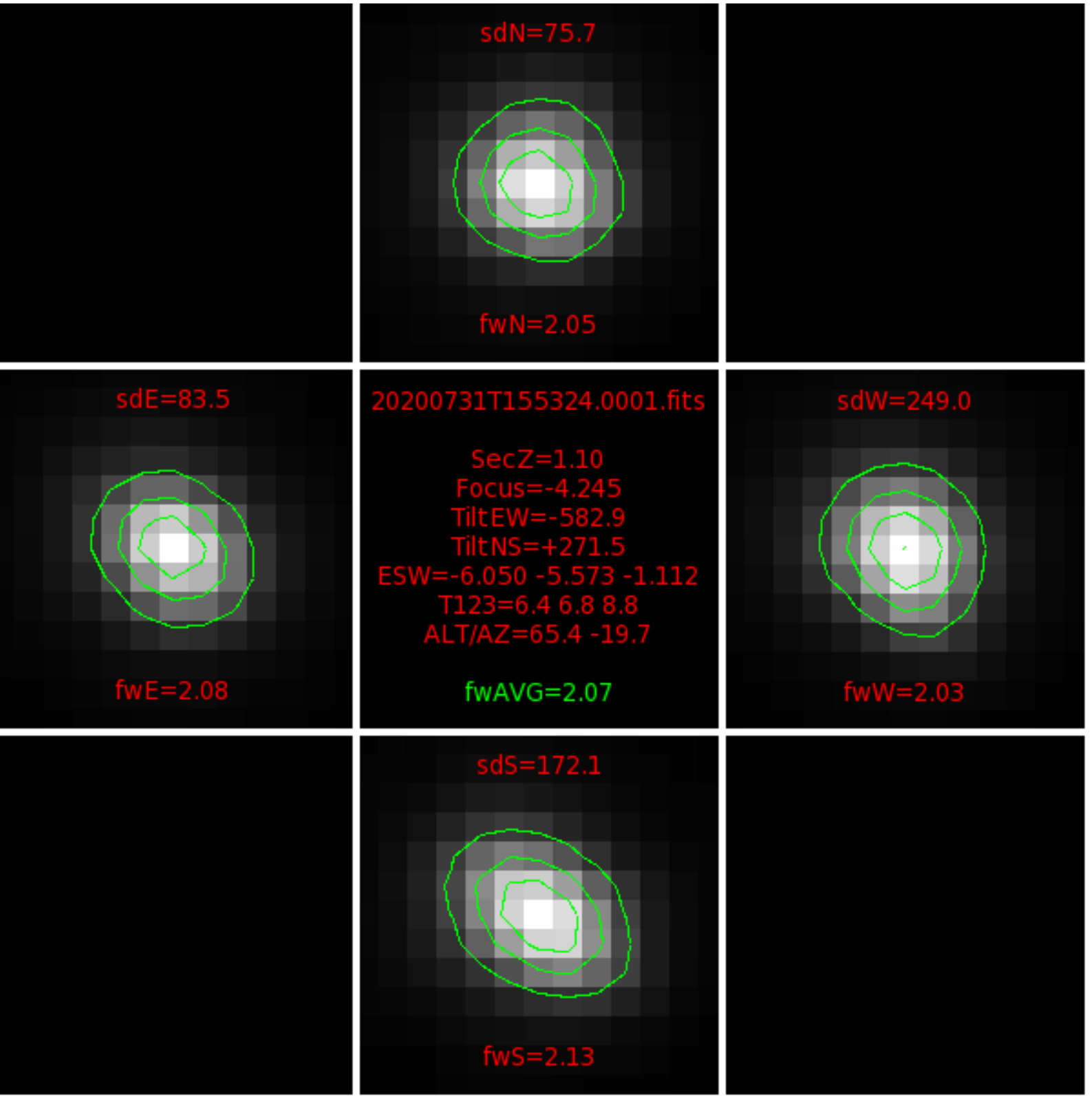
sdN=75.7
fwN=2.05
sdE=83.5
fwE=2.08
20200731T155324.0001.fits
SecZ=1.10
Focus=-4.245
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.050 -5.573 -1.112
T123=6.4 6.8 8.8
ALT/AZ=65.4 -19.7
fwAVG=2.07
sdW=249.0
fwW=2.03
sdS=172.1
fwS=2.13
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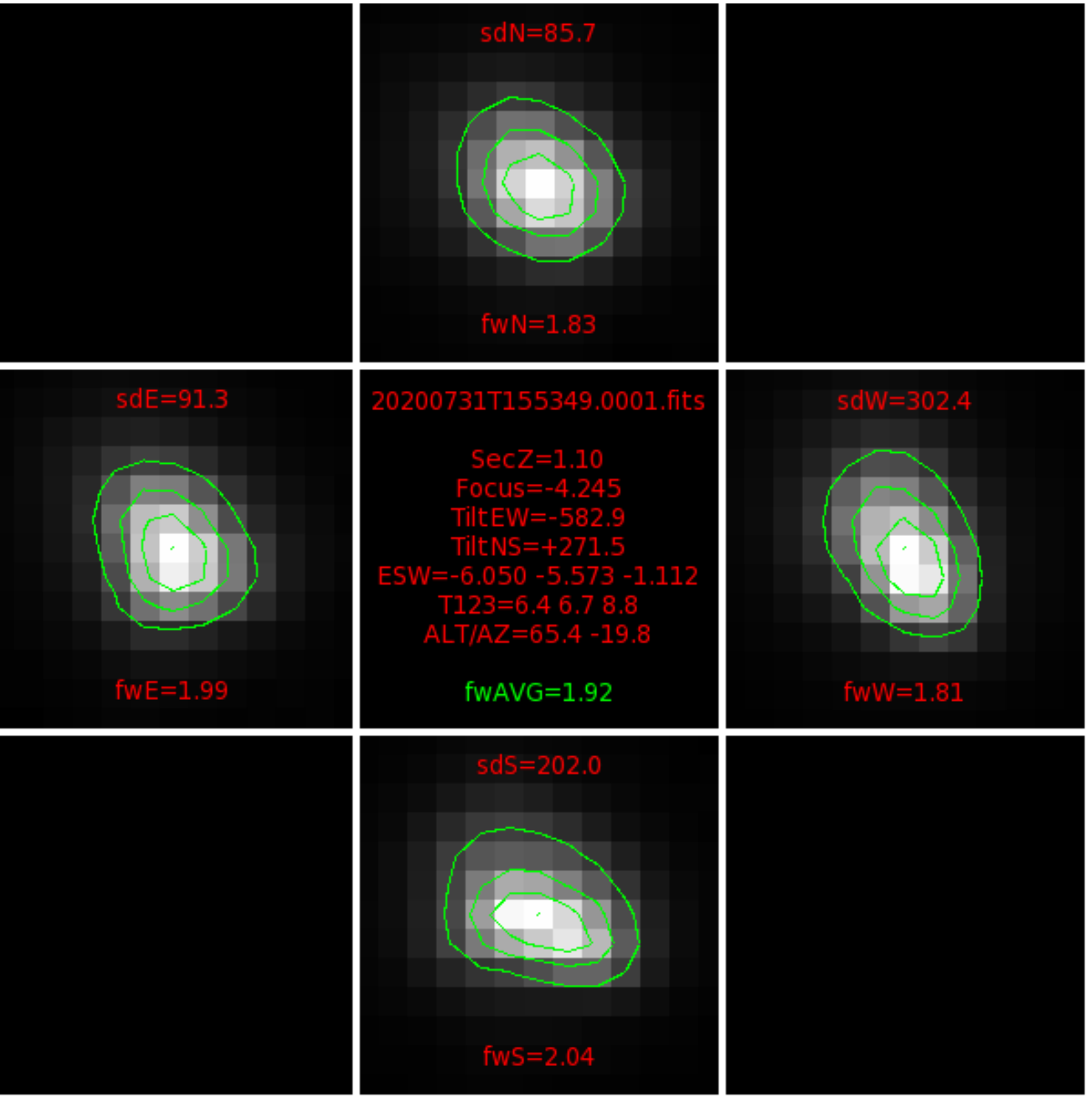
sdN=85.7
fwN=1.83
sdE=91.3
fwE=1.99
20200731T155349.0001.fits
SecZ=1.10
Focus=-4.245
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.050 -5.573 -1.112
T123=6.4 6.7 8.8
ALT/AZ=65.4 -19.8
fwAVG=1.92
sdW=302.4
fwW=1.81
sdS=202.0
fwS=2.04
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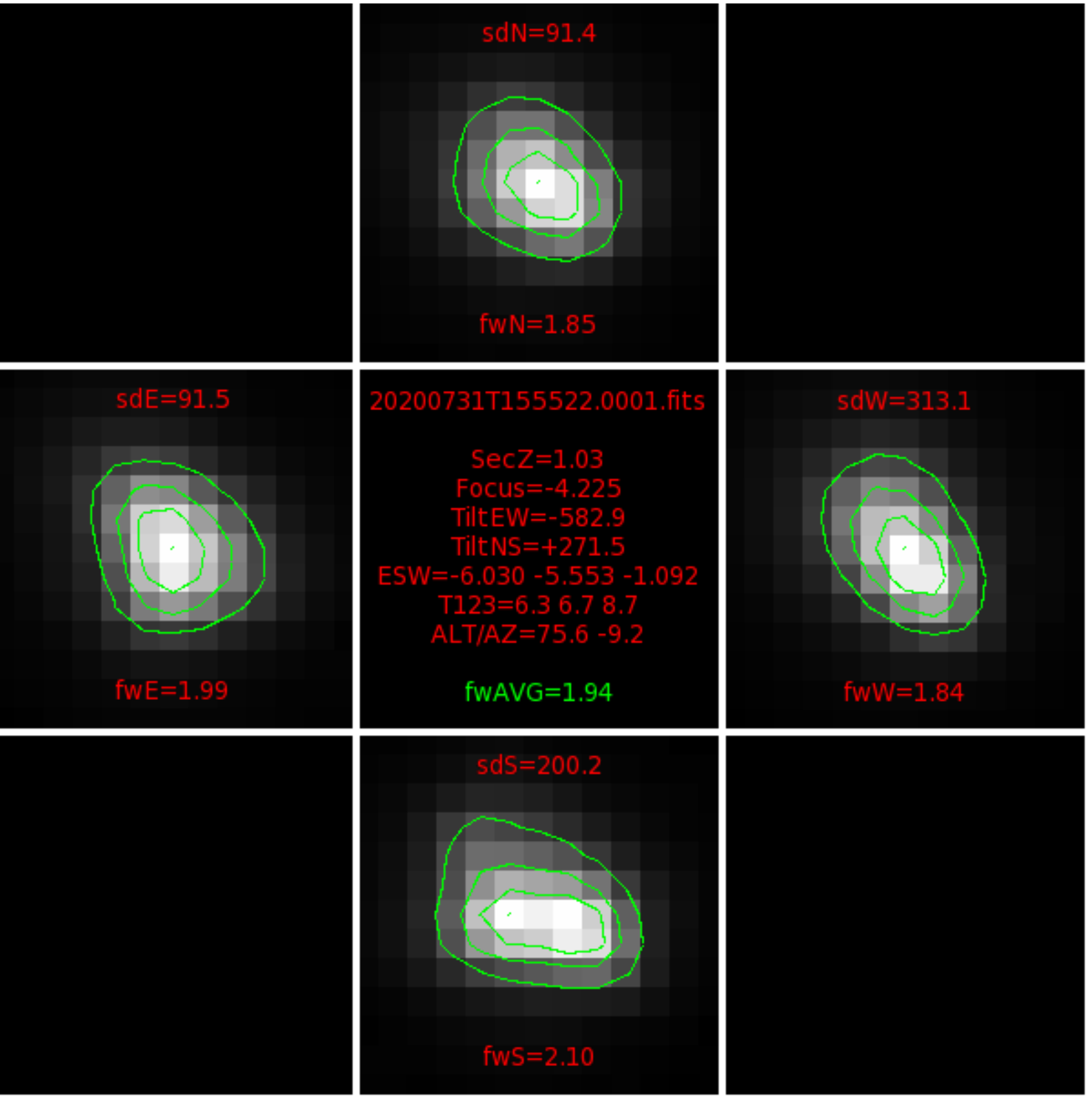
sdN=91.4
fwN=1.85
sdE=91.5
fwE=1.99
20200731T155522.0001.fits
SecZ=1.03
Focus=-4.225
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.030 -5.553 -1.092
T123=6.3 6.7 8.7
ALT/AZ=75.6 -9.2
fwAVG=1.94
sdW=313.1
fwW=1.84
sdS=200.2
fwS=2.10
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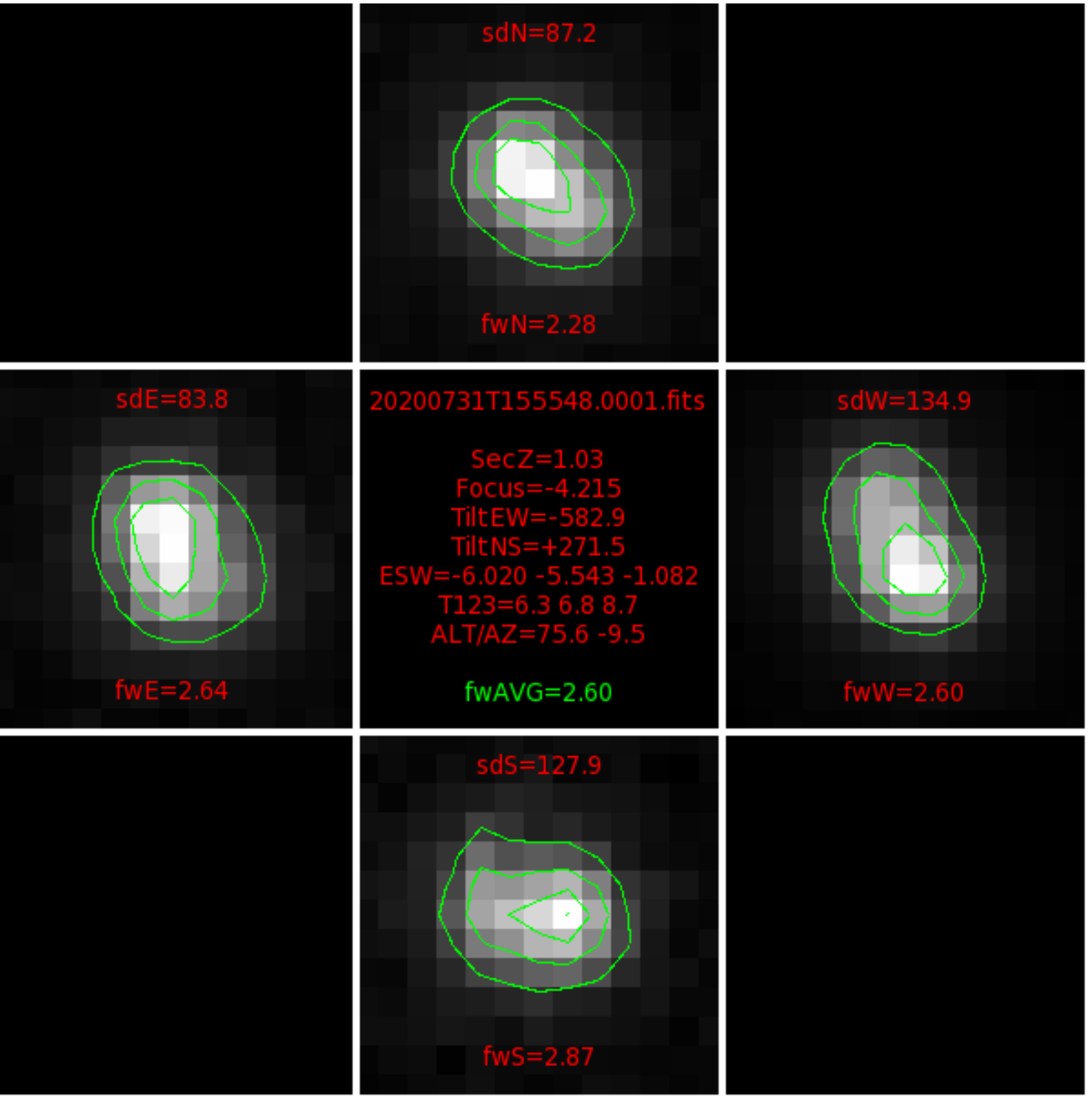
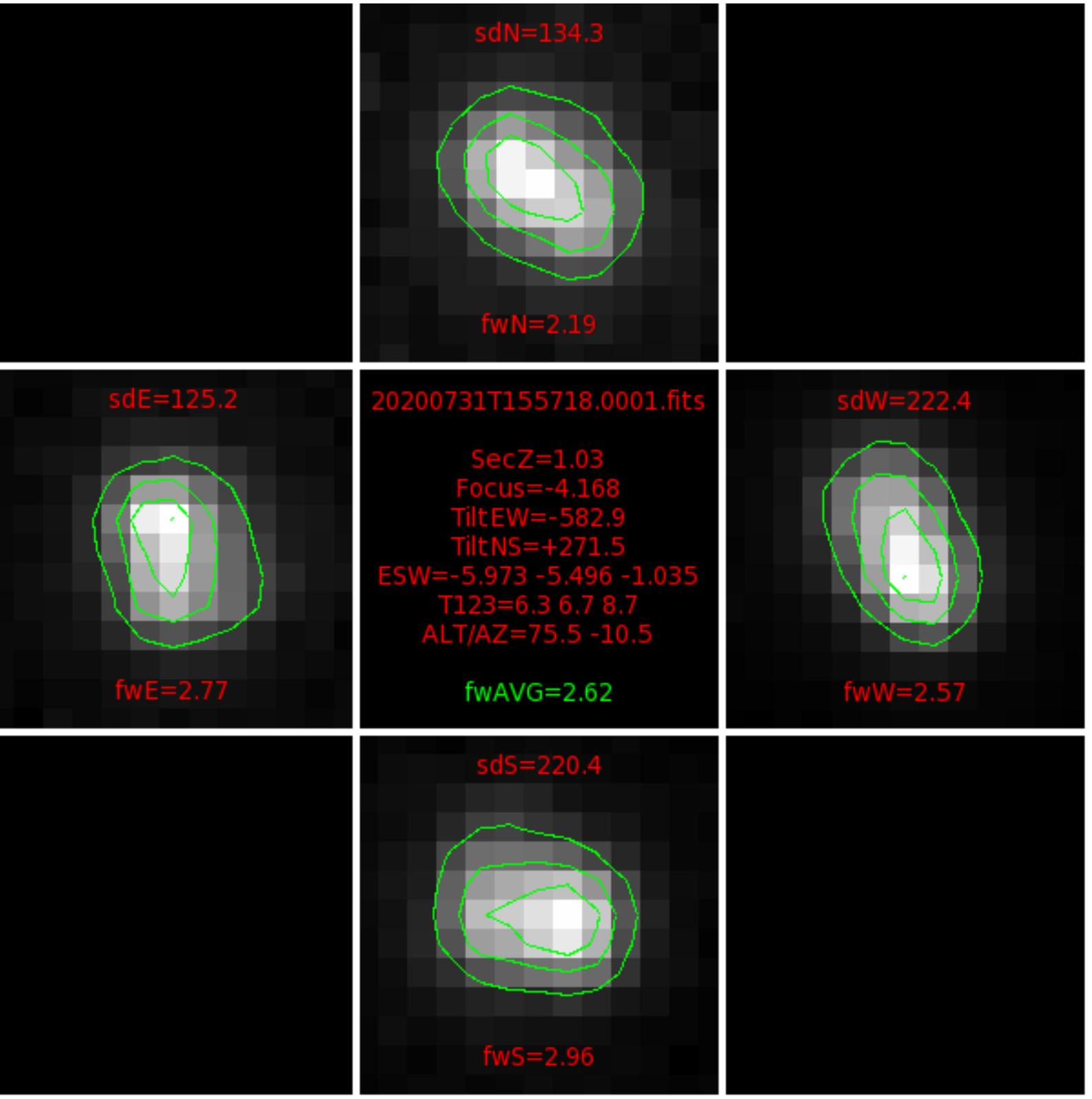

sdN=87.2
fwN=2.28
sdE=83.8
fwE=2.64
20200731T155548.0001.fits
SecZ=1.03
Focus=-4.215
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.020 -5.543 -1.082
T123=6.3 6.8 8.7
ALT/AZ=75.6 -9.5
fwAVG=2.60
sdW=134.9
fwW=2.60
sdS=127.9
fwS=2.87
0 0 0 0 0 0 0 0 0


sdN=134.3
fwN=2.19
sdE=125.2
fwE=2.77
20200731T155718.0001.fits
SecZ=1.03
Focus=-4.168
TiltEW=-582.9
TiltNS=+271.5
ESW=-5.973 -5.496 -1.035
T123=6.3 6.7 8.7
ALT/AZ=75.5 -10.5
fwAVG=2.62
sdW=222.4
fwW=2.57
sdS=220.4
fwS=2.96
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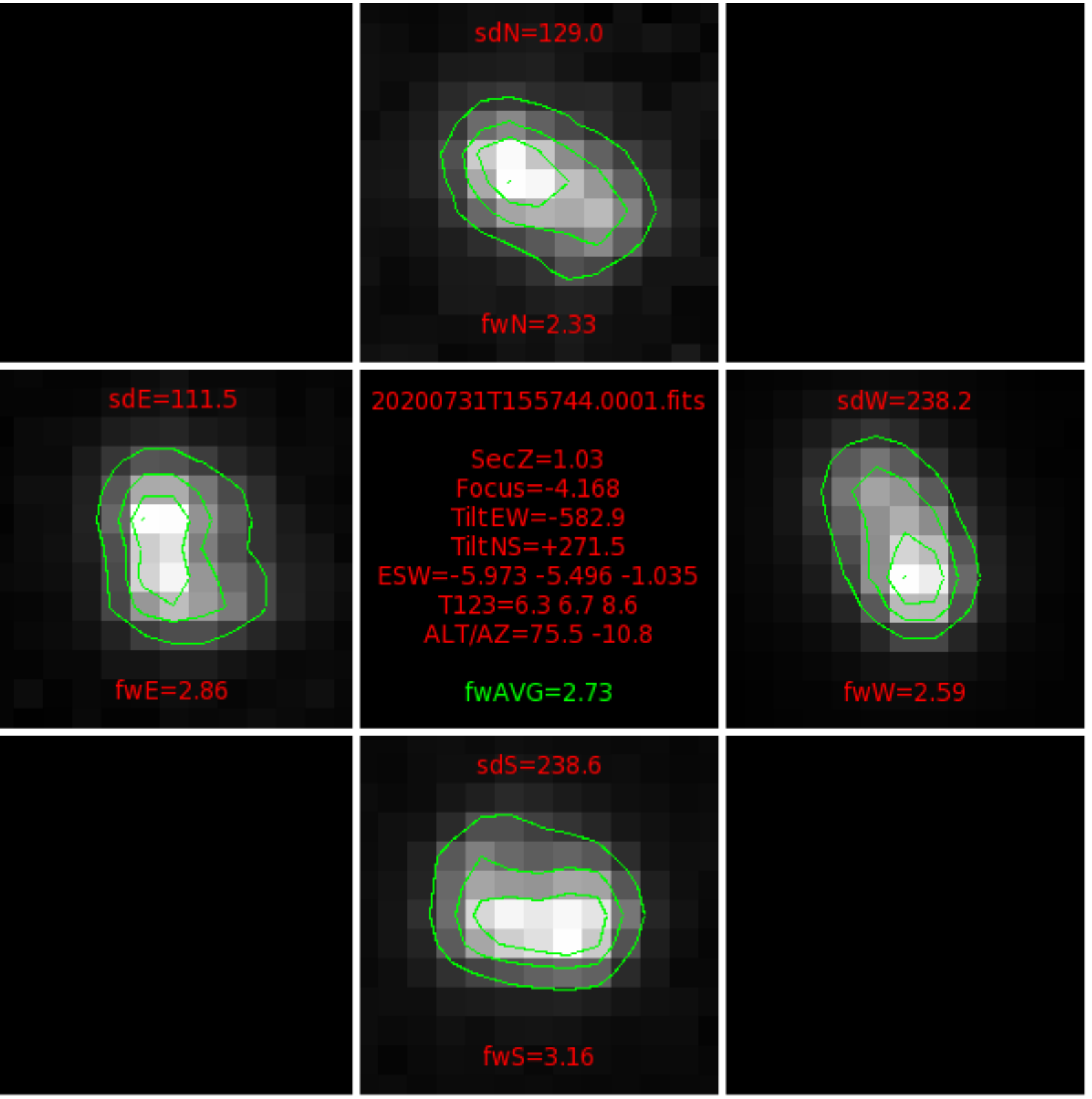
sdN=129.0
fwN=2.33
sdE=111.5
fwE=2.86
20200731T155744.0001.fits
SecZ=1.03
Focus=-4.168
TiltEW=-582.9
TiltNS=+271.5
ESW=-5.973 -5.496 -1.035
T123=6.3 6.7 8.6
ALT/AZ=75.5 -10.8
fwAVG=2.73
sdW=238.2
fwW=2.59
sdS=238.6
fwS=3.16
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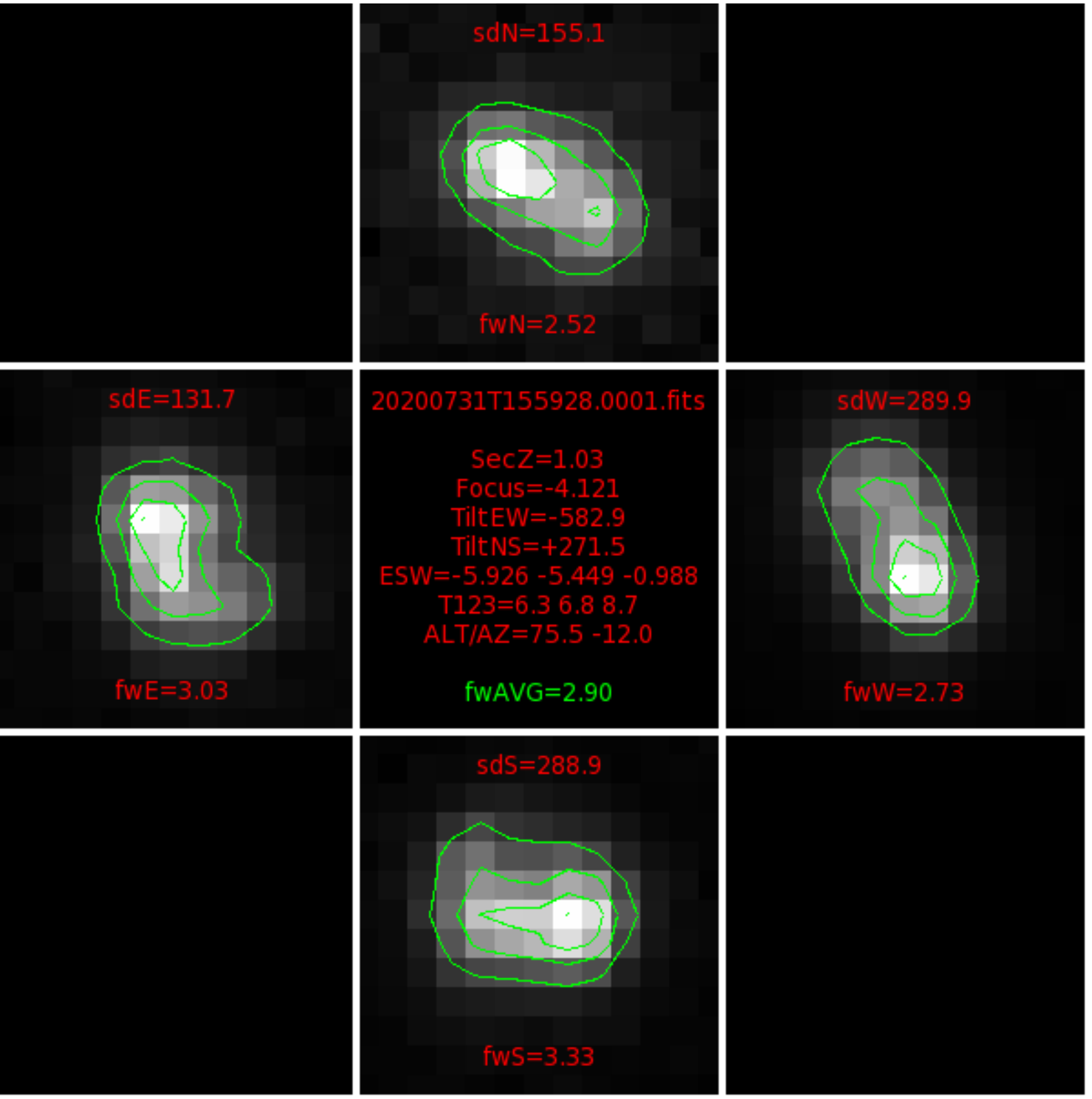
sdN=155.1
fwN=2.52
sdE=131.7
fwE=3.03
20200731T155928.0001.fits
SecZ=1.03
Focus=-4.121
TiltEW=-582.9
TiltNS=+271.5
ESW=-5.926 -5.449 -0.988
T123=6.3 6.8 8.7
ALT/AZ=75.5 -12.0
fwAVG=2.90
sdW=289.9
fwW=2.73
sdS=288.9
fwS=3.33
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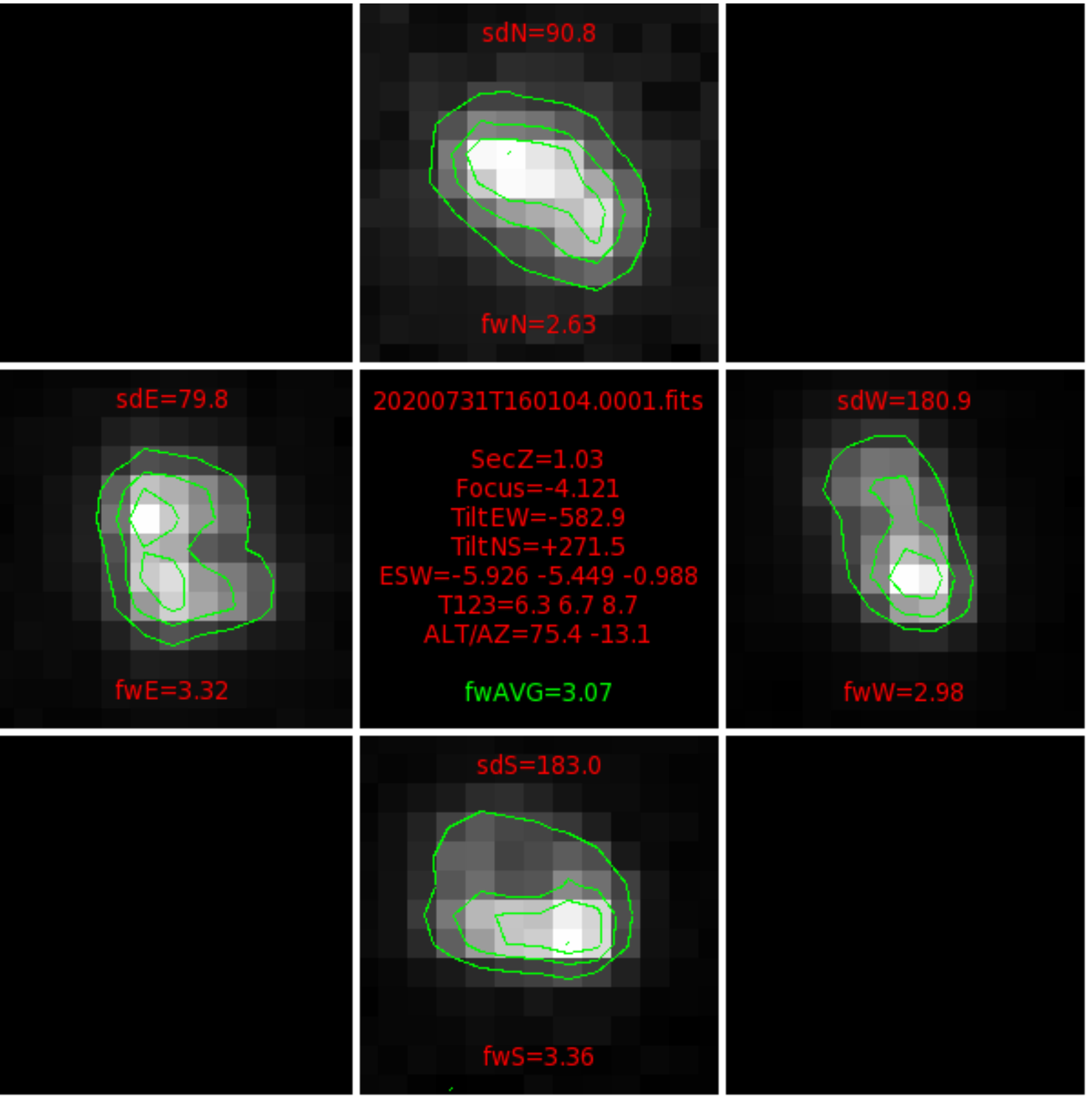
sdN=90.8
fwN=2.63
sdE=79.8
fwE=3.32
20200731T160104.0001.fits
SecZ=1.03
Focus=-4.121
TiltEW=-582.9
TiltNS=+271.5
ESW=-5.926 -5.449 -0.988
T123=6.3 6.7 8.7
ALT/AZ=75.4 -13.1
fwAVG=3.07
sdW=180.9
fwW=2.98
sdS=183.0
fwS=3.36
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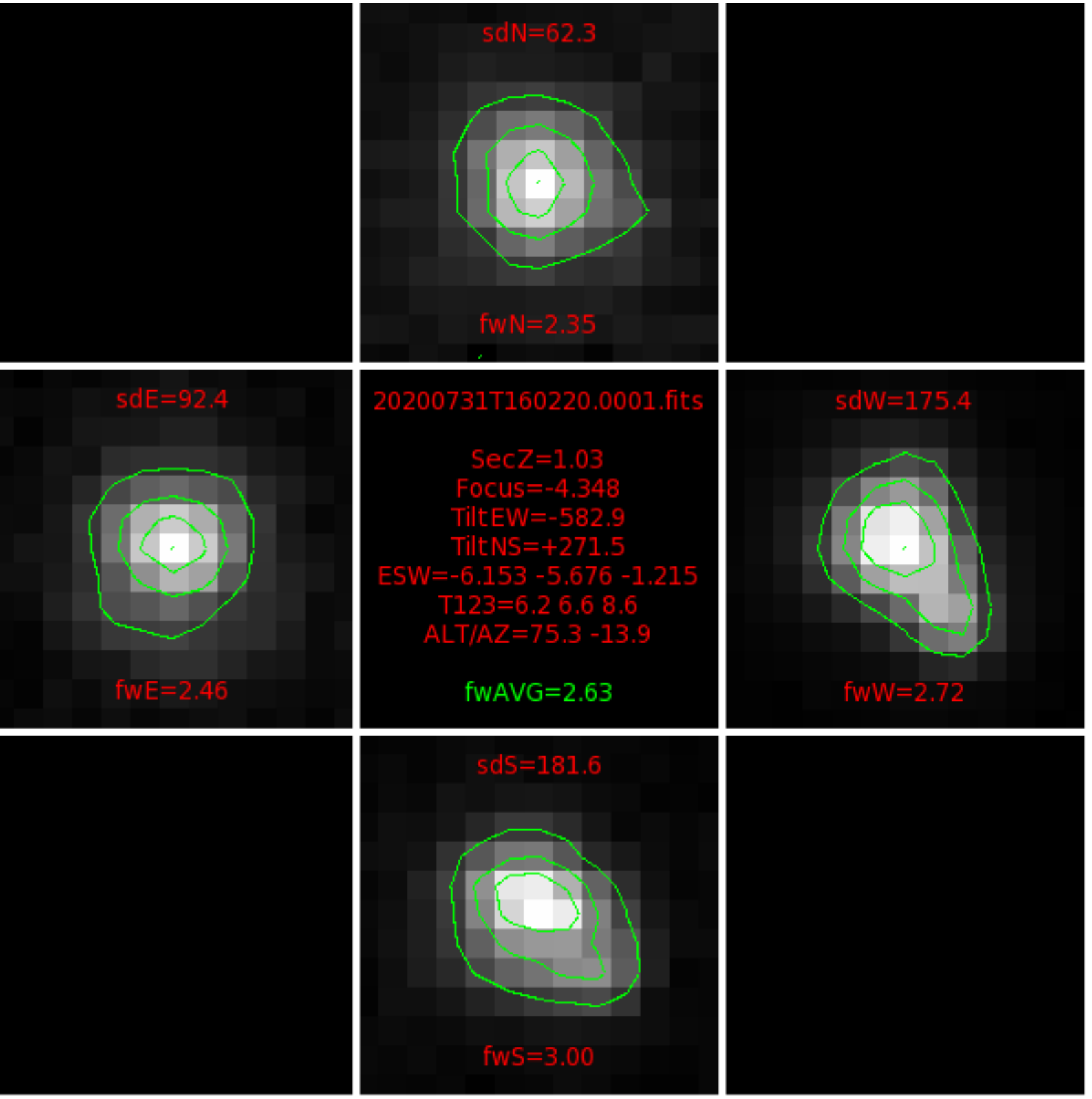
sdN=62.3
fwN=2.35
sdE=92.4
fwE=2.46
20200731T160220.0001.fits
SecZ=1.03
Focus=-4.348
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.153 -5.676 -1.215
T123=6.2 6.6 8.6
ALT/AZ=75.3 -13.9
fwAVG=2.63
sdW=175.4
fwW=2.72
sdS=181.6
fwS=3.00
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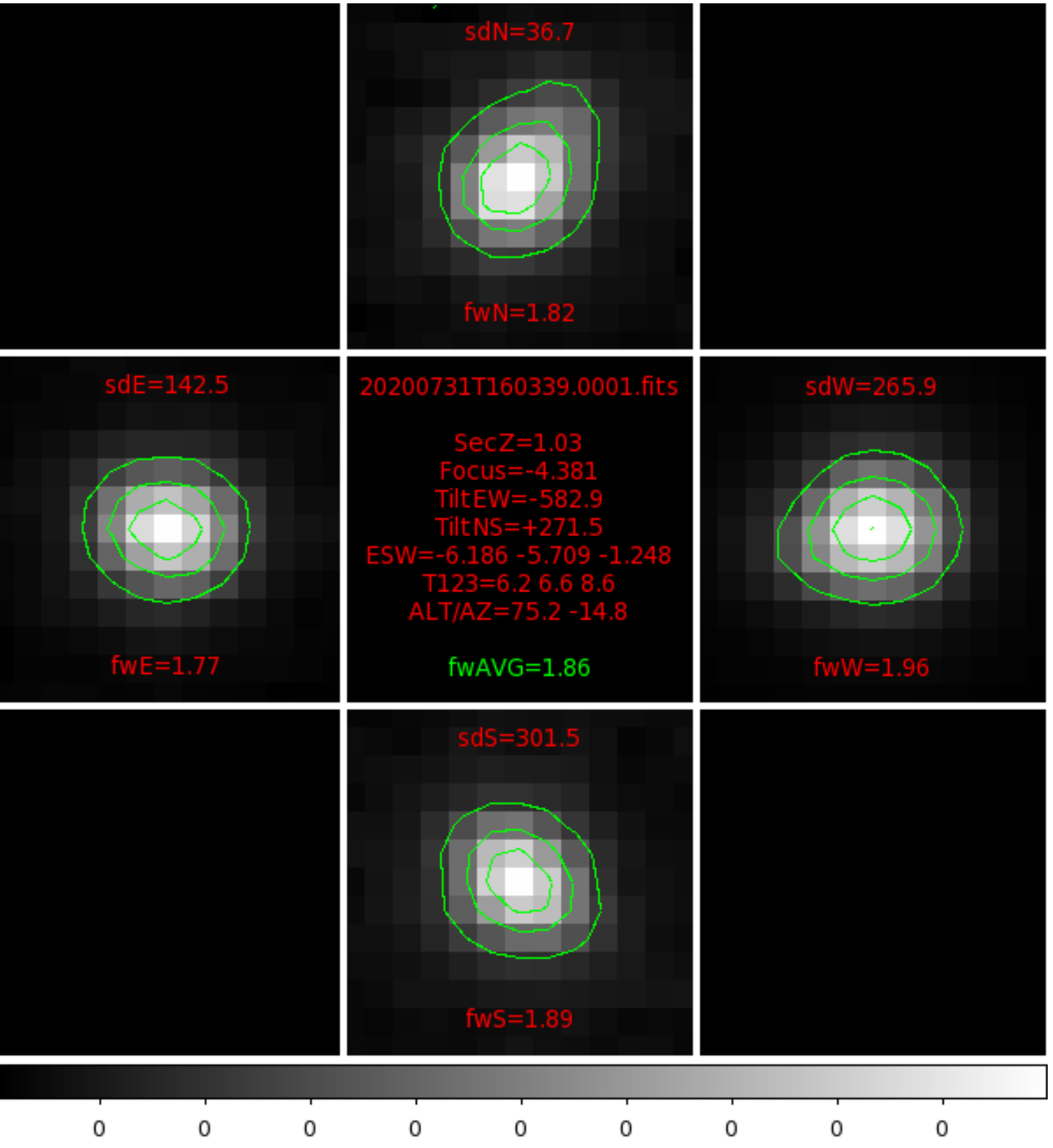
sdN=36.7
fwN=1.82
sdE=142.5
fwE=1.77
20200731T160339.0001.fits
SecZ=1.03
Focus=-4.381
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.186 -5.709 -1.248
T123=6.2 6.6 8.6
ALT/AZ=75.2 -14.8
fwAVG=1.86
sdW=265.9
fwW=1.96
sdS=301.5
fwS=1.89
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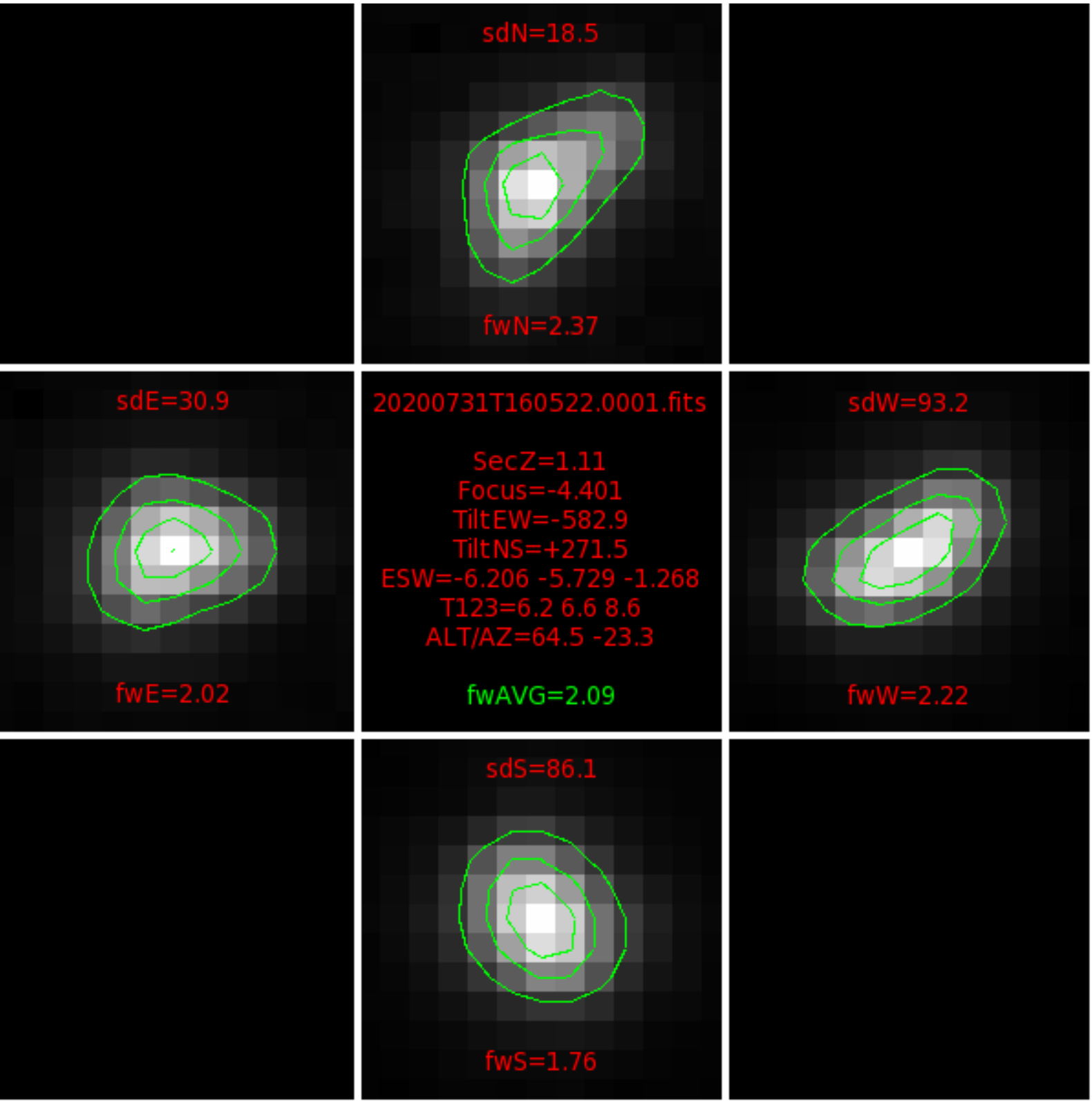
sdN=18.5
fwN=2.37
sdE=30.9
fwE=2.02
20200731T160522.0001.fits
SecZ=1.11
Focus=-4.401
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.206 -5.729 -1.268
T123=6.2 6.6 8.6
ALT/AZ=64.5 -23.3
fwAVG=2.09
sdW=93.2
fwW=2.22
sdS=86.1
fwS=1.76
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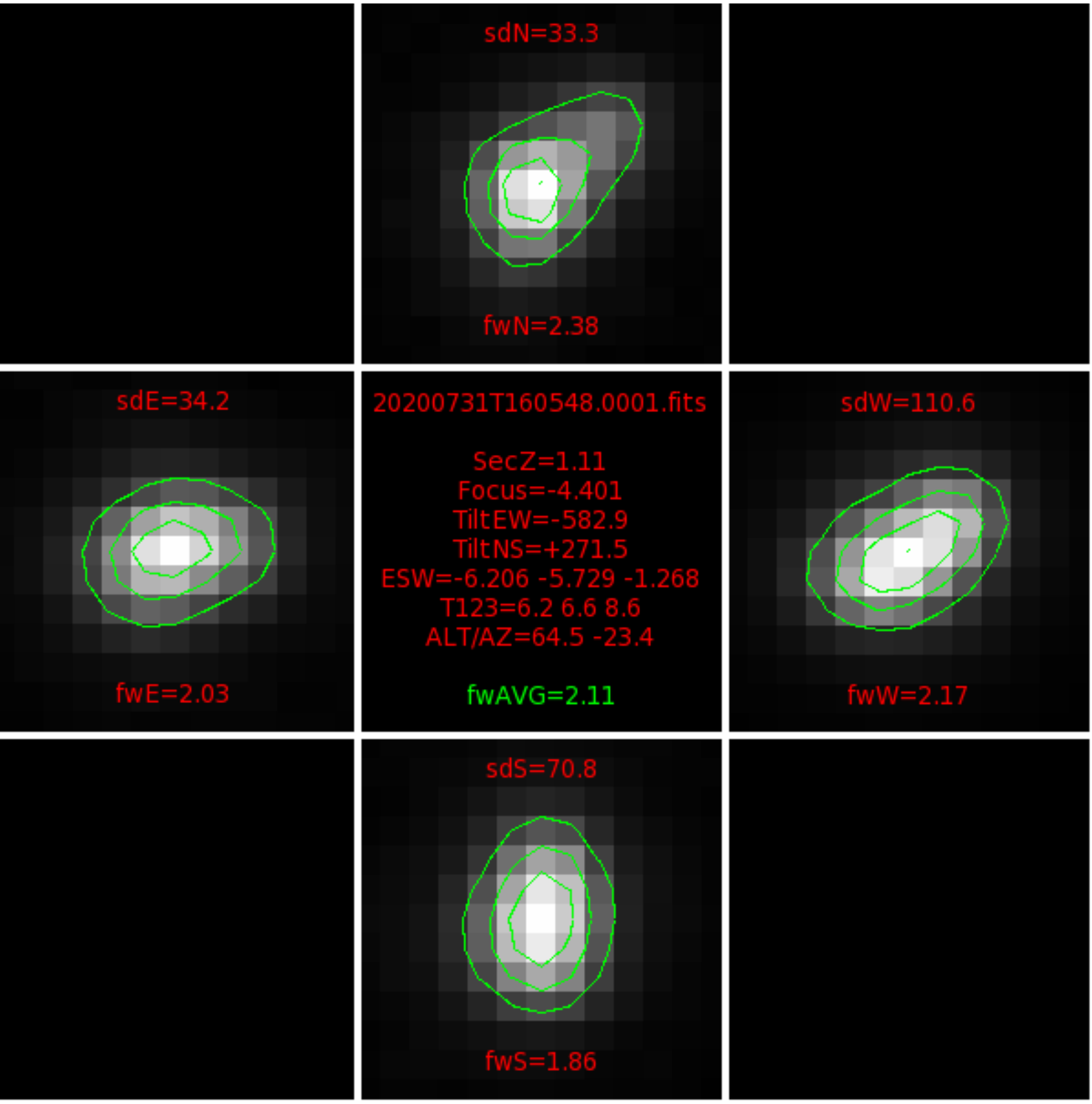
sdN=33.3
fwN=2.38
sdE=34.2
fwE=2.03
20200731T160548.0001.fits
SecZ=1.11
Focus=-4.401
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.206 -5.729 -1.268
T123=6.2 6.6 8.6
ALT/AZ=64.5 -23.4
fwAVG=2.11
sdW=110.6
fwW=2.17
sdS=70.8
fwS=1.86
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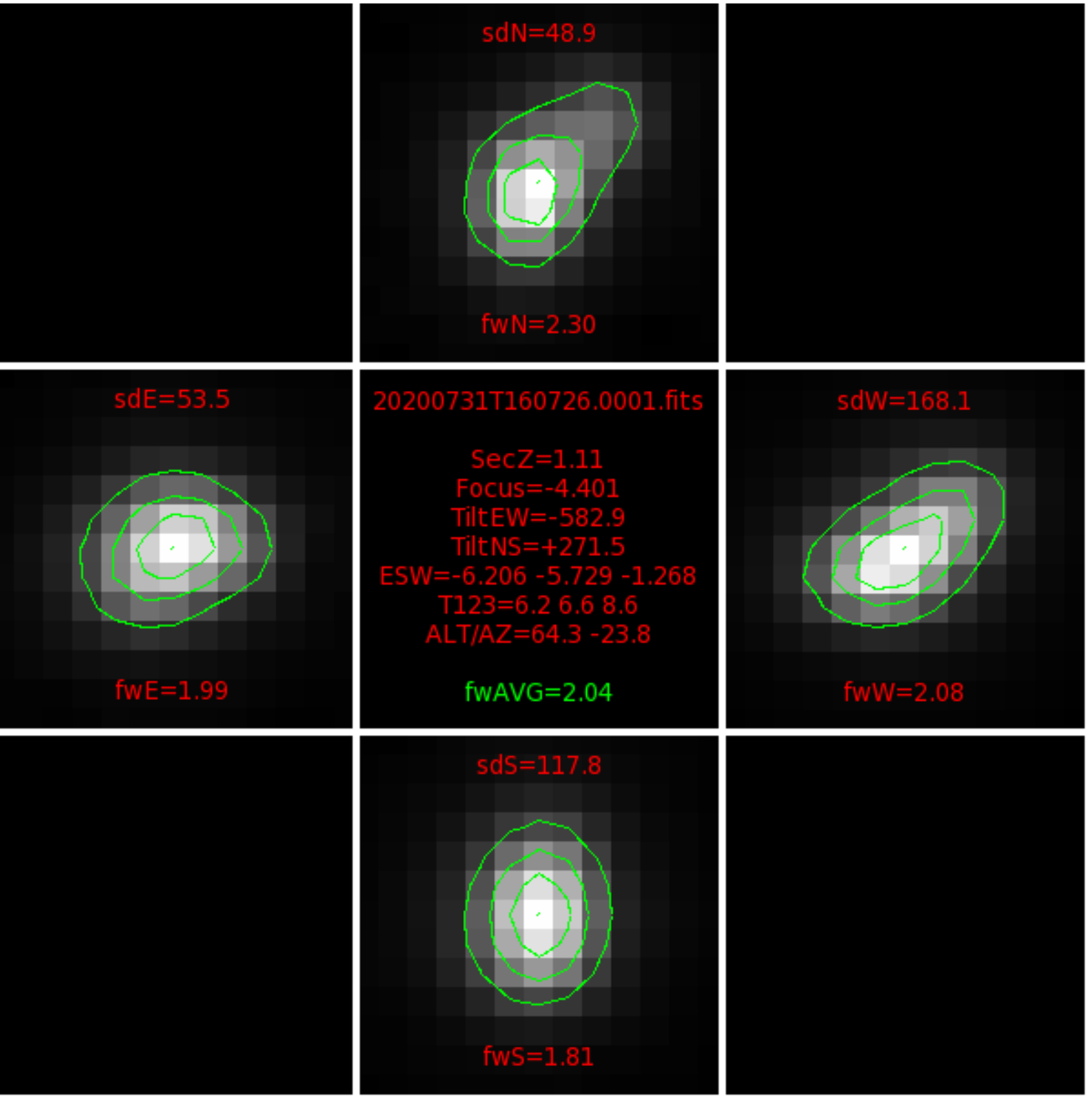
sdN=48.9
fwN=2.30
sdE=53.5
fwE=1.99
20200731T160726.0001.fits
SecZ=1.11
Focus=-4.401
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.206 -5.729 -1.268
T123=6.2 6.6 8.6
ALT/AZ=64.3 -23.8
fwAVG=2.04
sdW=168.1
fwW=2.08
sdS=117.8
fwS=1.81
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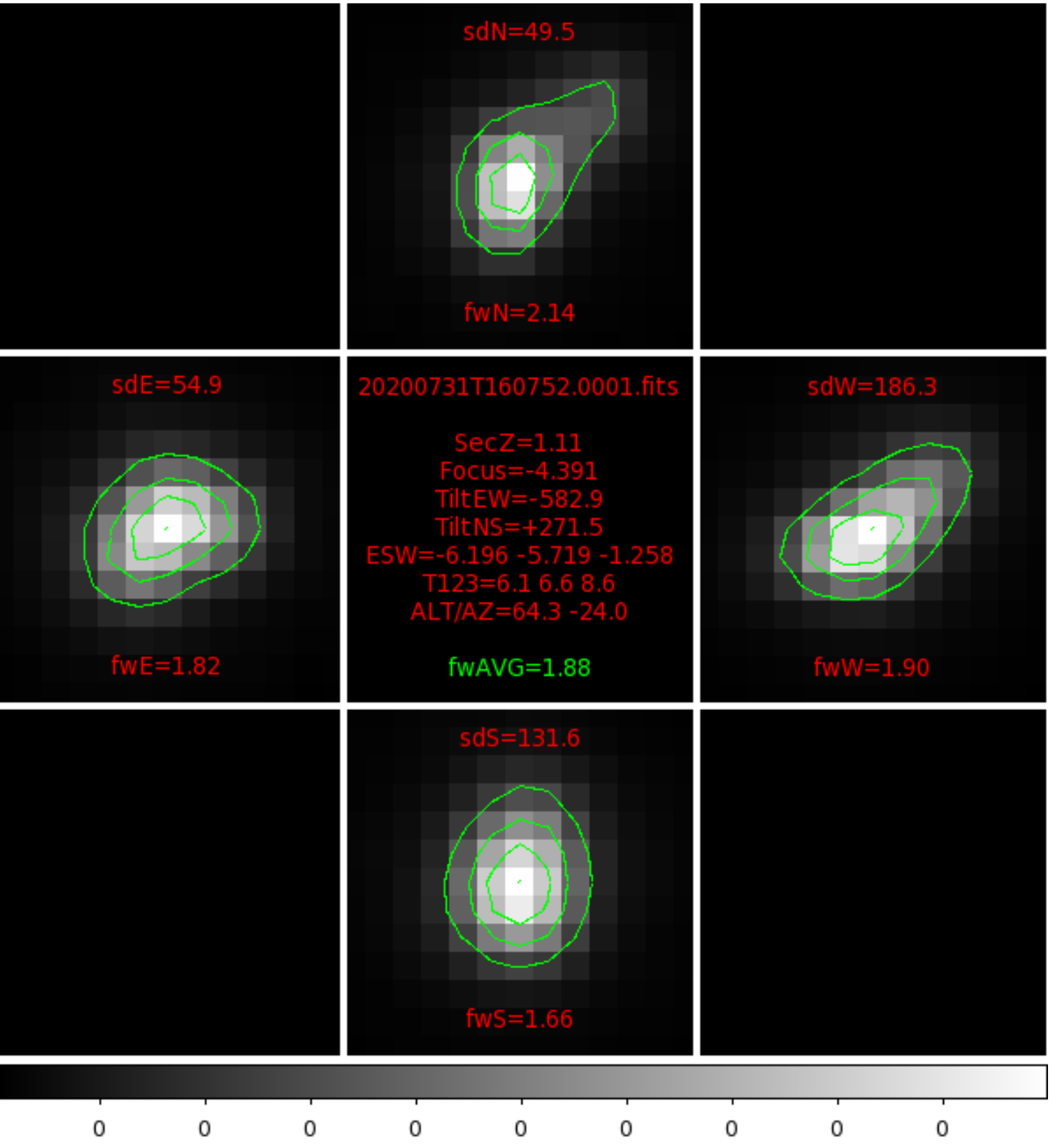
sdN=49.5
fwN=2.14
sdE=54.9
fwE=1.82
20200731T160752.0001.fits
SecZ=1.11
Focus=-4.391
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.196 -5.719 -1.258
T123=6.1 6.6 8.6
ALT/AZ=64.3 -24.0
fwAVG=1.88
sdW=186.3
fwW=1.90
sdS=131.6
fwS=1.66
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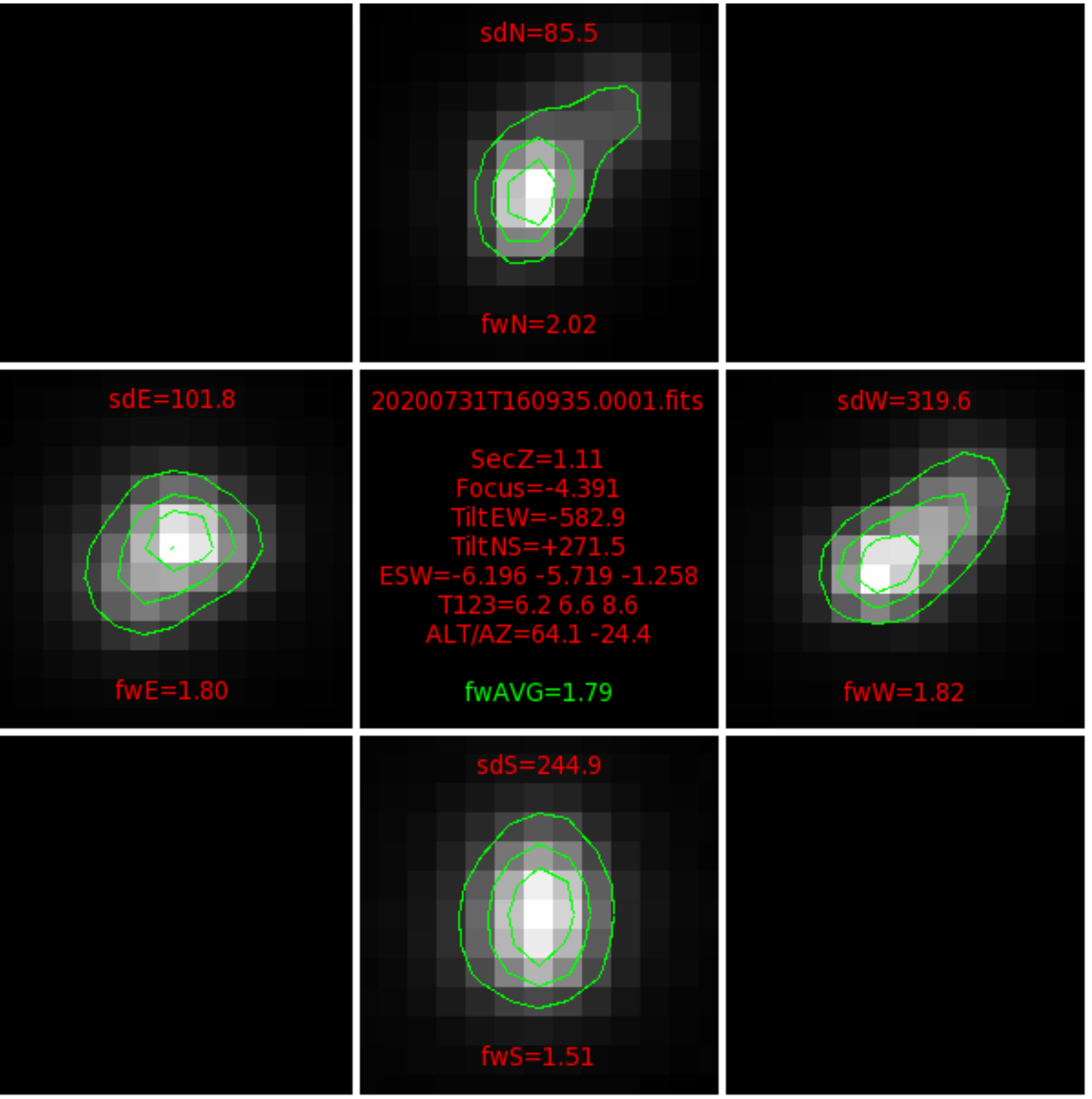
sdN=85.5
fwN=2.02
sdE=101.8
fwE=1.80
20200731T160935.0001.fits
SecZ=1.11
Focus=-4.391
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.196 -5.719 -1.258
T123=6.2 6.6 8.6
ALT/AZ=64.1 -24.4
fwAVG=1.79
sdW=319.6
fwW=1.82
sdS=244.9
fwS=1.51
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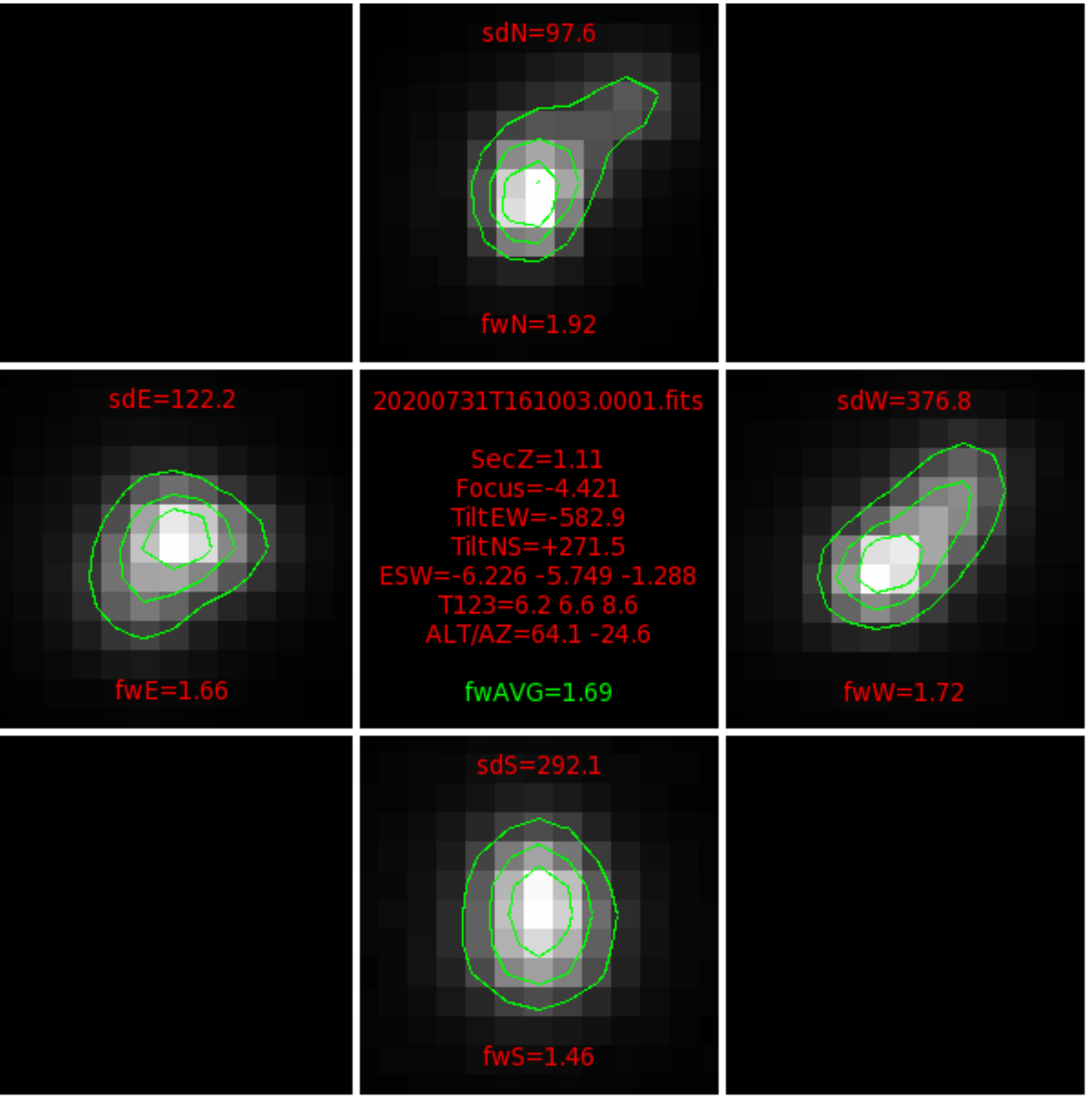
sdN=97.6
fwN=1.92
sdE=122.2
fwE=1.66
20200731T161003.0001.fits
SecZ=1.11
Focus=-4.421
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.226 -5.749 -1.288
T123=6.2 6.6 8.6
ALT/AZ=64.1 -24.6
fwAVG=1.69
sdW=376.8
fwW=1.72
sdS=292.1
fwS=1.46
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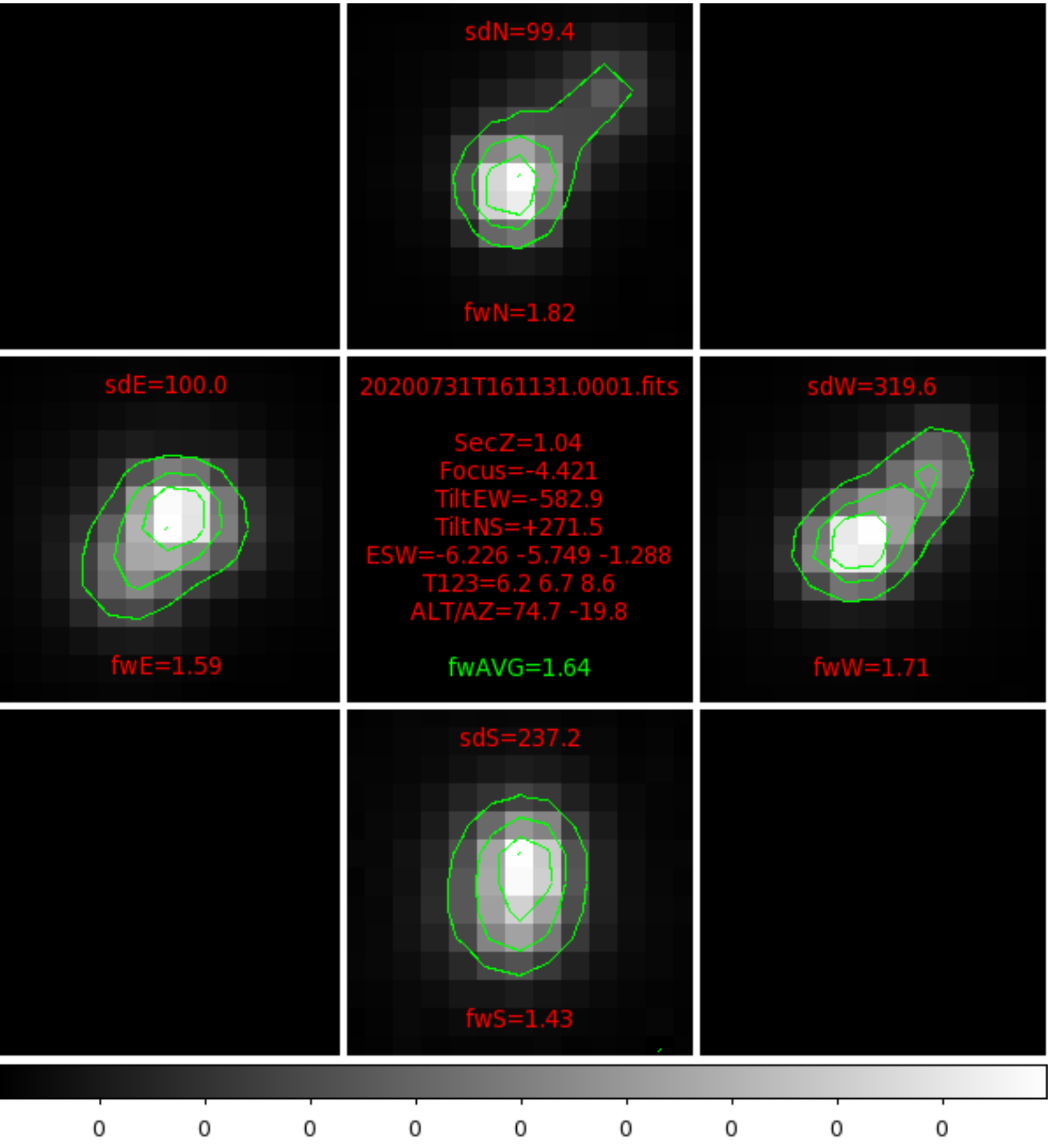
sdN=99.4
fwN=1.82
sdE=100.0
fwE=1.59
20200731T161131.0001.fits
SecZ=1.04
Focus=-4.421
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.226 -5.749 -1.288
T123=6.2 6.7 8.6
ALT/AZ=74.7 -19.8
fwAVG=1.64
sdW=319.6
fwW=1.71
sdS=237.2
fwS=1.43
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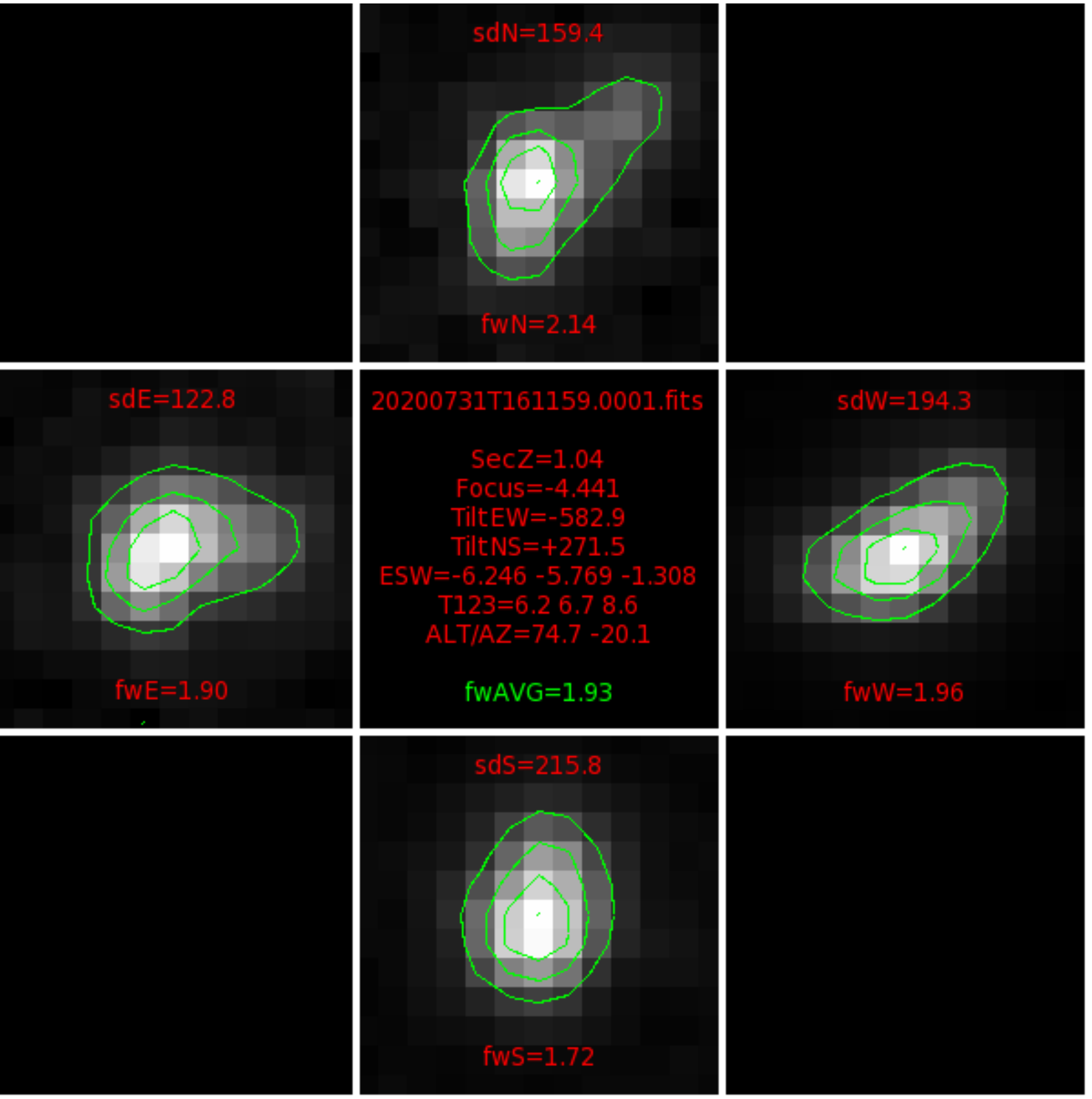
sdN=159.4
fwN=2.14
sdE=122.8
fwE=1.90
20200731T161159.0001.fits
SecZ=1.04
Focus=-4.441
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.246 -5.769 -1.308
T123=6.2 6.7 8.6
ALT/AZ=74.7 -20.1
fwAVG=1.93
sdW=194.3
fwW=1.96
sdS=215.8
fwS=1.72
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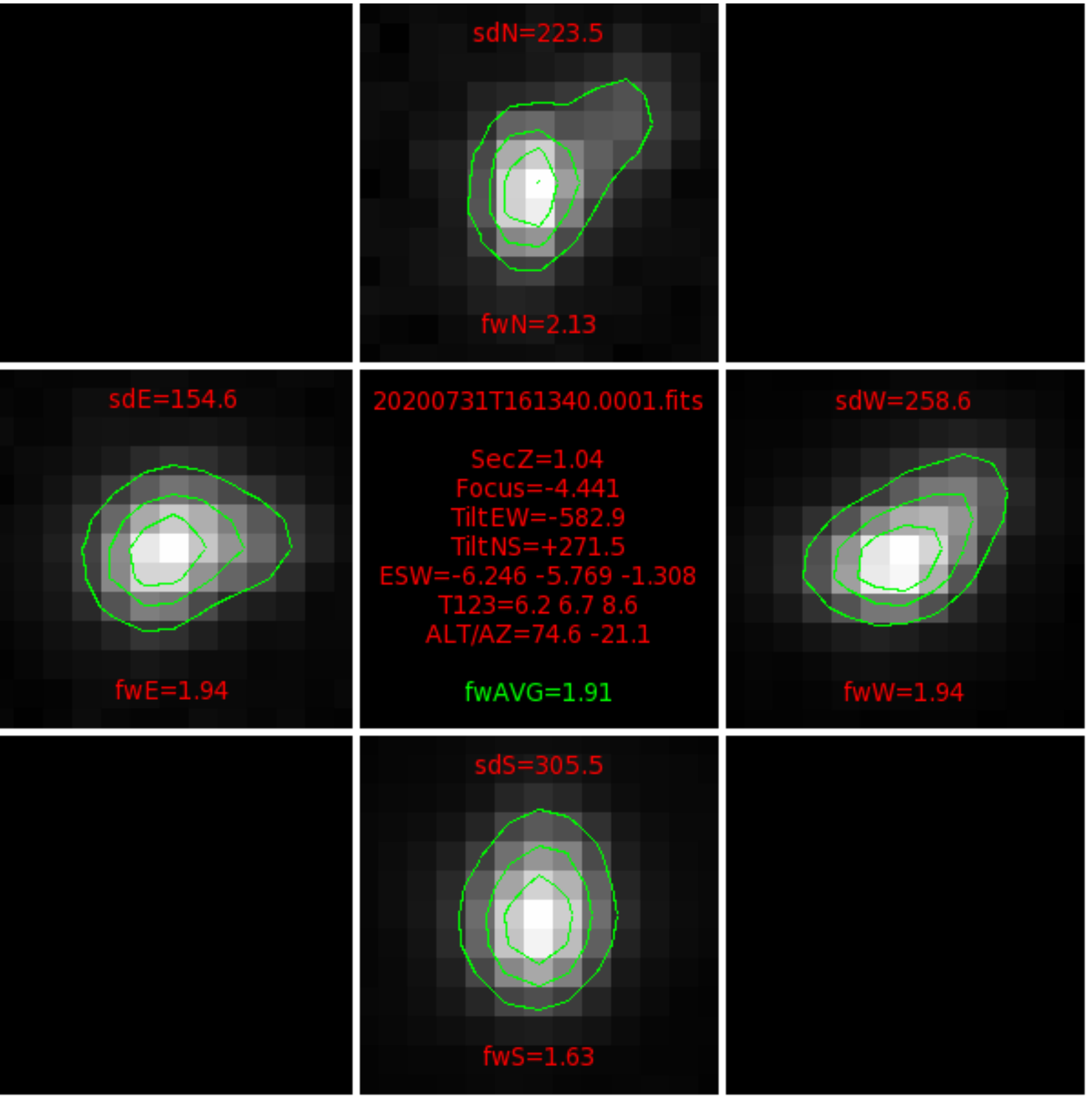
sdN=223.5
fwN=2.13
sdE=154.6
fwE=1.94
20200731T161340.0001.fits
SecZ=1.04
Focus=-4.441
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.246 -5.769 -1.308
T123=6.2 6.7 8.6
ALT/AZ=74.6 -21.1
fwAVG=1.91
sdW=258.6
fwW=1.94
sdS=305.5
fwS=1.63
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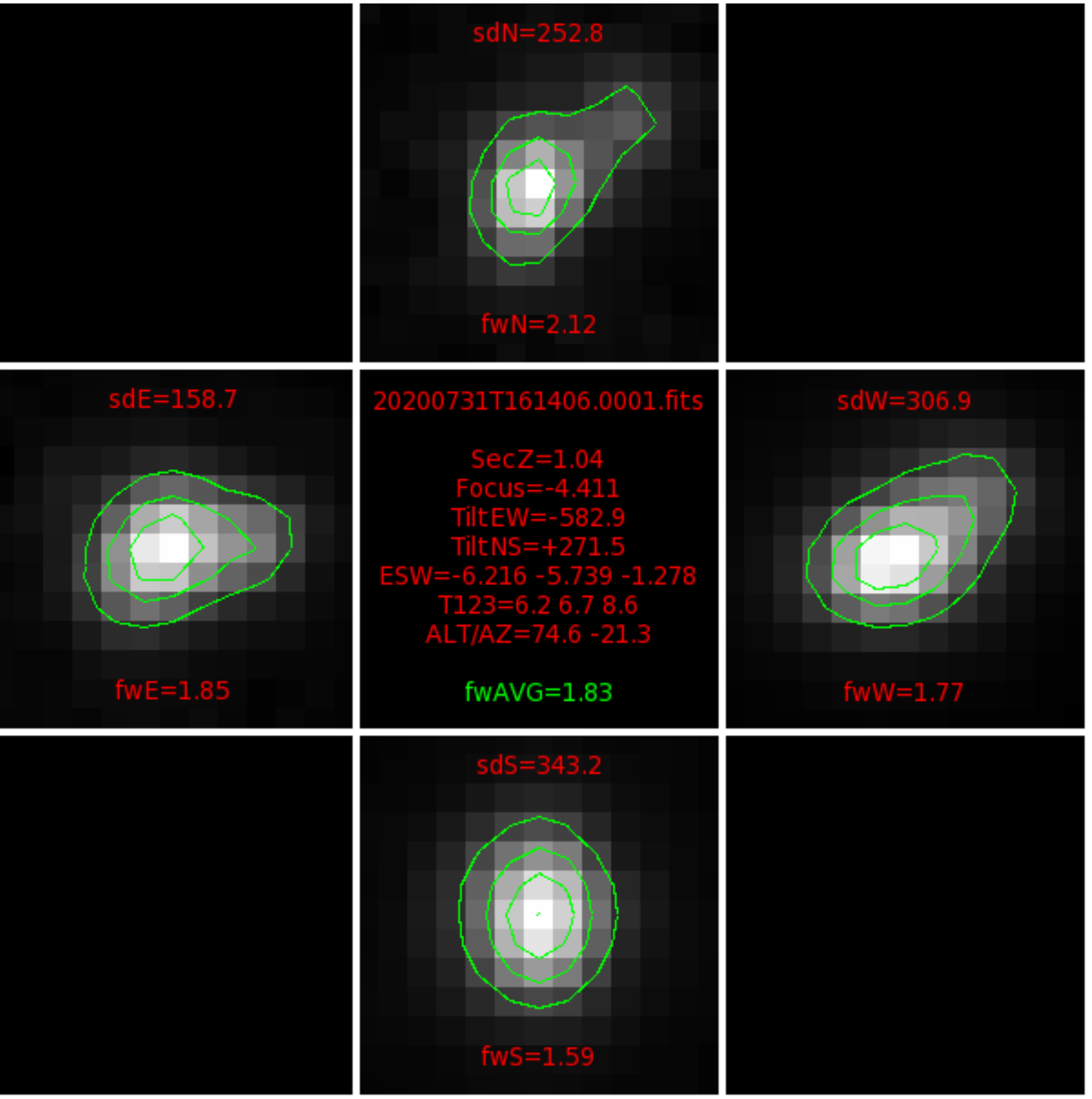
sdN=252.8
fwN=2.12
sdE=158.7
fwE=1.85
20200731T161406.0001.fits
SecZ=1.04
Focus=-4.411
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.216 -5.739 -1.278
T123=6.2 6.7 8.6
ALT/AZ=74.6 -21.3
fwAVG=1.83
sdW=306.9
fwW=1.77
sdS=343.2
fwS=1.59
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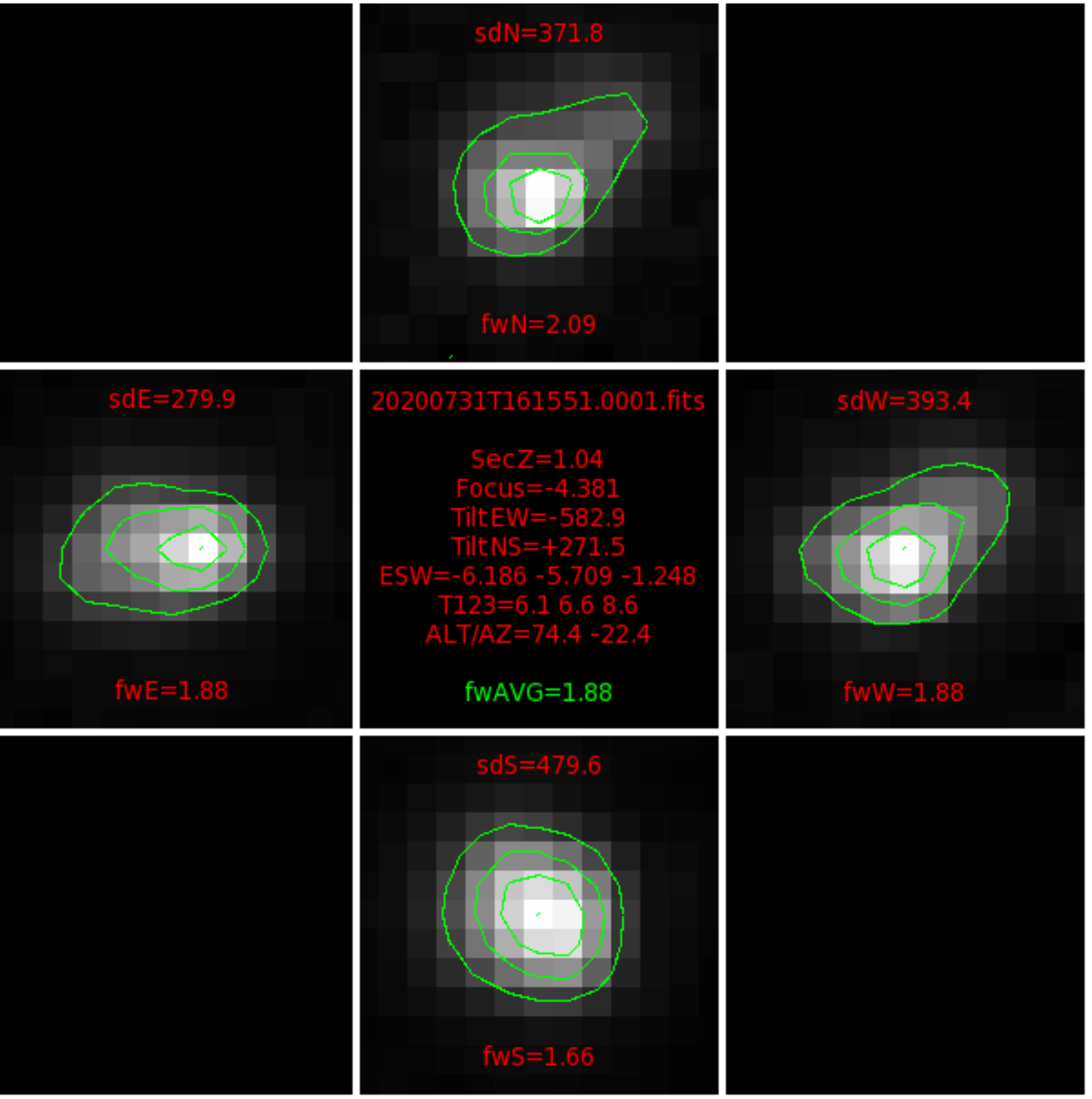
sdN=371.8
fwN=2.09
sdE=279.9
fwE=1.88
20200731T161551.0001.fits
SecZ=1.04
Focus=-4.381
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.186 -5.709 -1.248
T123=6.1 6.6 8.6
ALT/AZ=74.4 -22.4
fwAVG=1.88
sdW=393.4
fwW=1.88
sdS=479.6
fwS=1.66
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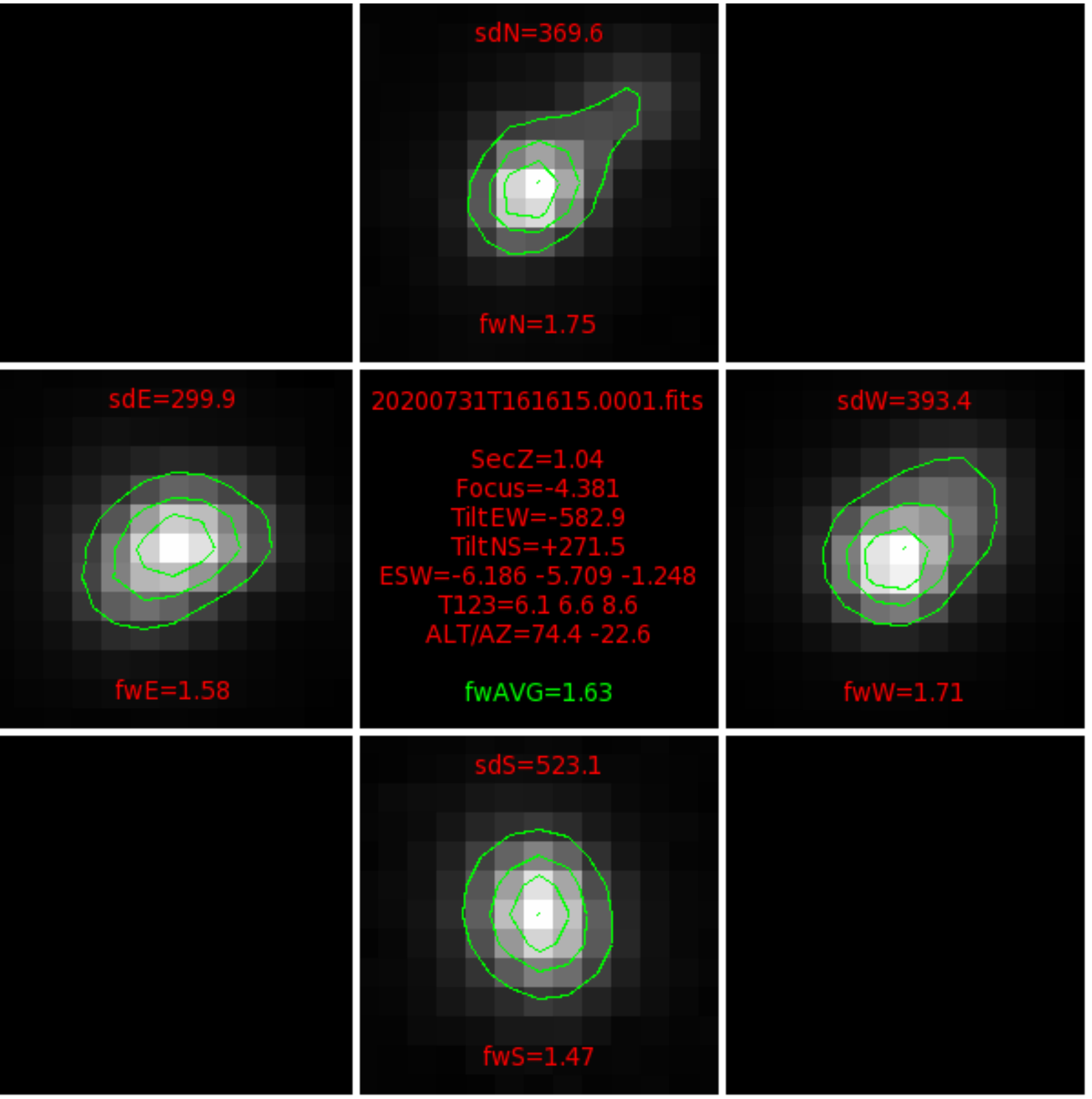
sdN=369.6
fwN=1.75
sdE=299.9
fwE=1.58
20200731T161615.0001.fits
SecZ=1.04
Focus=-4.381
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.186 -5.709 -1.248
T123=6.1 6.6 8.6
ALT/AZ=74.4 -22.6
fwAVG=1.63
sdW=393.4
fwW=1.71
sdS=523.1
fwS=1.47
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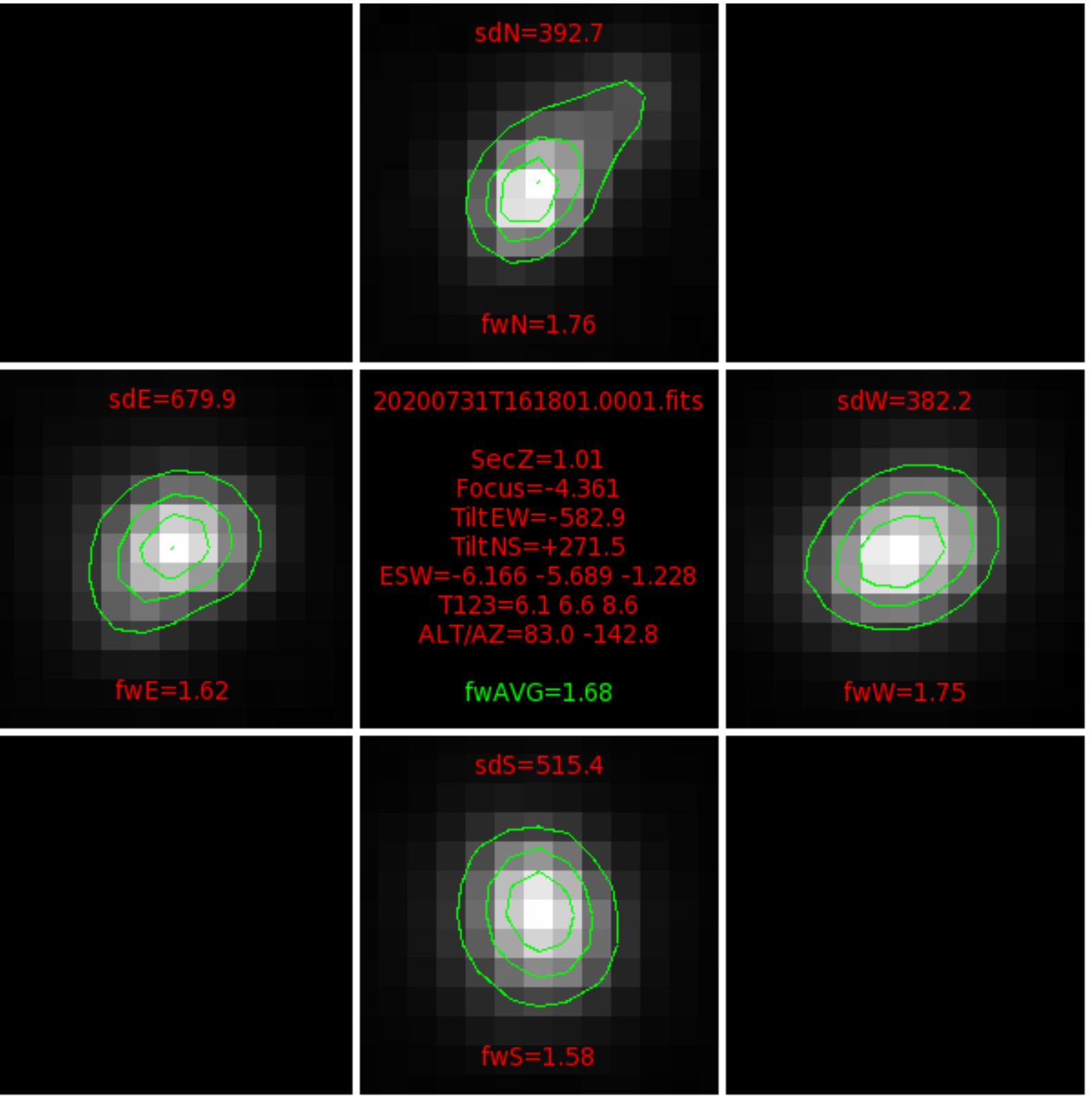
sdN=392.7
fwN=1.76
sdE=679.9
fwE=1.62
20200731T161801.0001.fits
SecZ=1.01
Focus=-4.361
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.166 -5.689 -1.228
T123=6.1 6.6 8.6
ALT/AZ=83.0 -142.8
fwAVG=1.68
sdW=382.2
fwW=1.75
sdS=515.4
fwS=1.58
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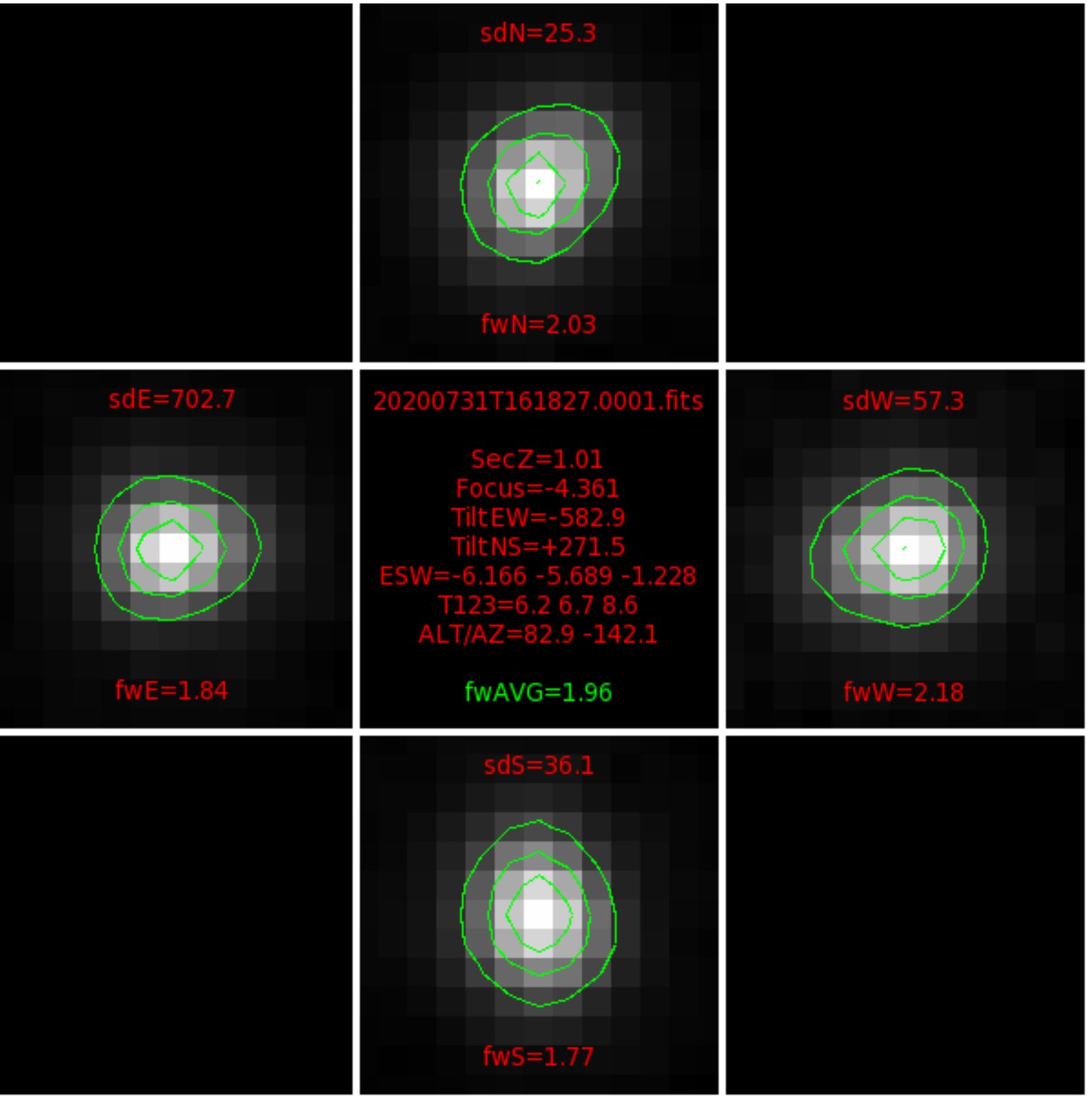
sdN=25.3
fwN=2.03
sdE=702.7
fwE=1.84
20200731T161827.0001.fits
SecZ=1.01
Focus=-4.361
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.166 -5.689 -1.228
T123=6.2 6.7 8.6
ALT/AZ=82.9 -142.1
fwAVG=1.96
sdW=57.3
fwW=2.18
sdS=36.1
fwS=1.77
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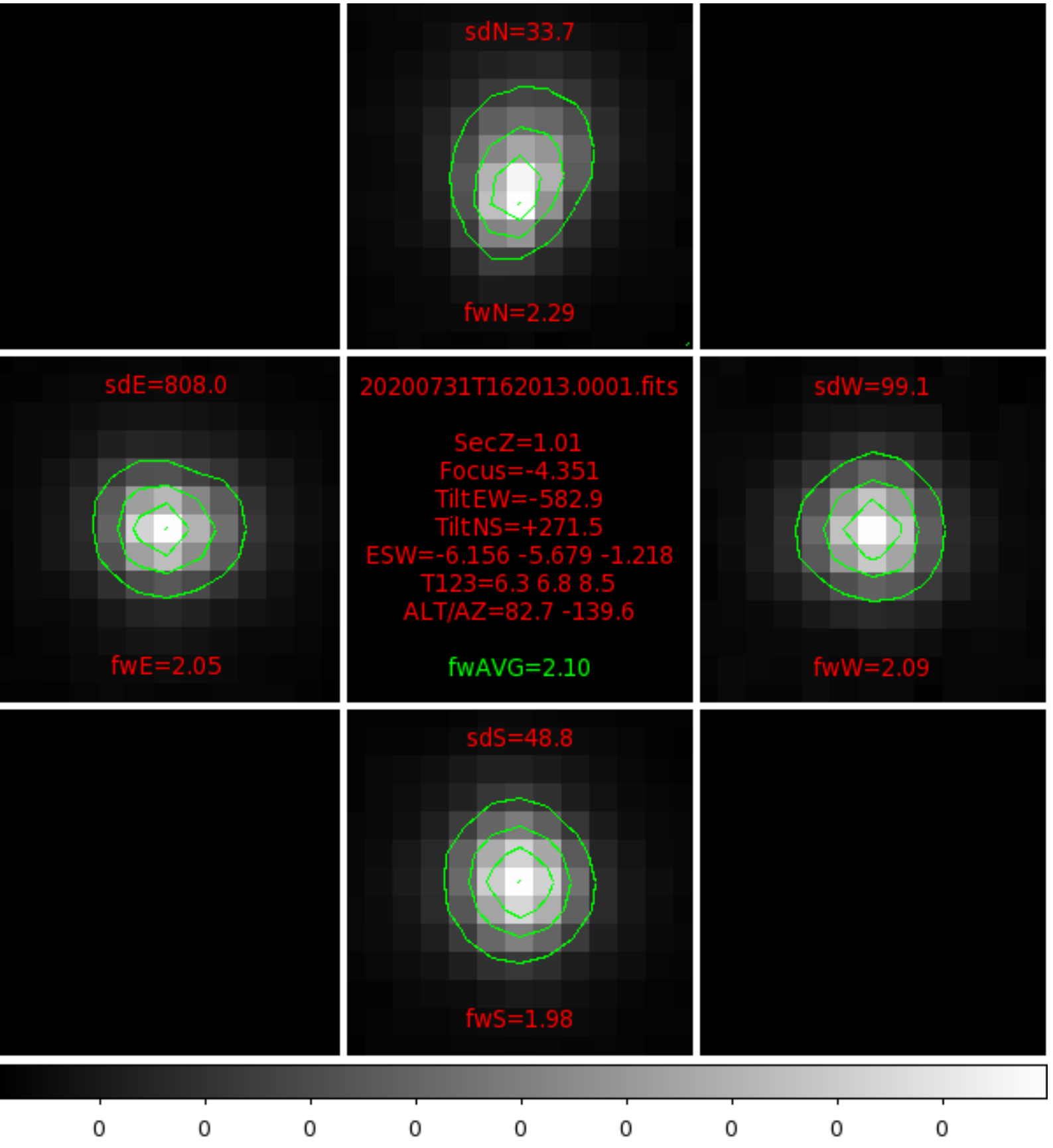
sdN=33.7
fwN=2.29
sdE=808.0
fwE=2.05
20200731T162013.0001.fits
SecZ=1.01
Focus=-4.351
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.156 -5.679 -1.218
T123=6.3 6.8 8.5
ALT/AZ=82.7 -139.6
fwAVG=2.10
sdW=99.1
fwW=2.09
sdS=48.8
fwS=1.98
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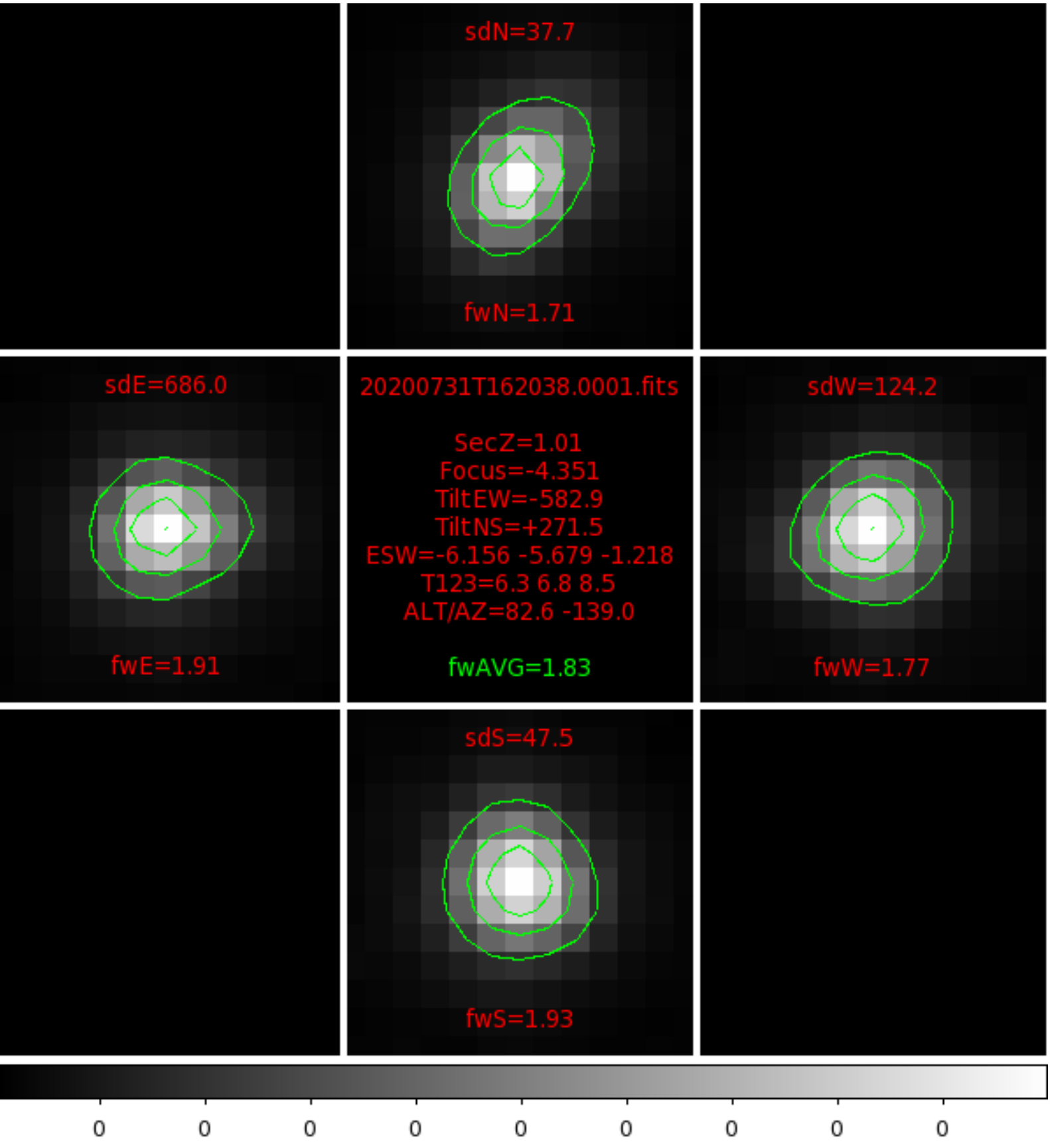
sdN=37.7
fwN=1.71
sdE=686.0
fwE=1.91
20200731T162038.0001.fits
SecZ=1.01
Focus=-4.351
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.156 -5.679 -1.218
T123=6.3 6.8 8.5
ALT/AZ=82.6 -139.0
fwAVG=1.83
sdW=124.2
fwW=1.77
sdS=47.5
fwS=1.93
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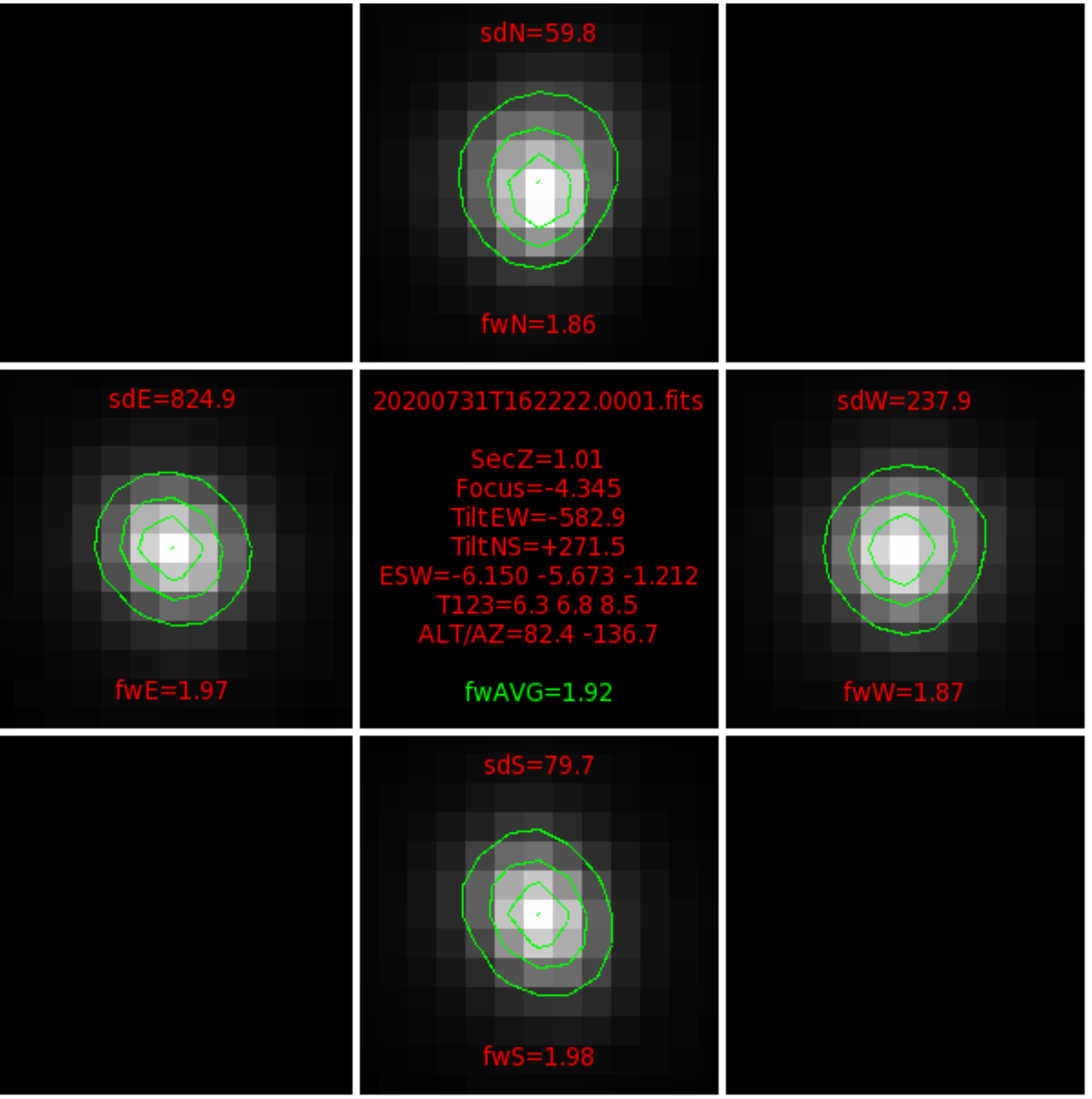
sdN=59.8
fwN=1.86
sdE=824.9
fwE=1.97
20200731T162222.0001.fits
SecZ=1.01
Focus=-4.345
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.150 -5.673 -1.212
T123=6.3 6.8 8.5
ALT/AZ=82.4 -136.7
fwAVG=1.92
sdW=237.9
fwW=1.87
sdS=79.7
fwS=1.98
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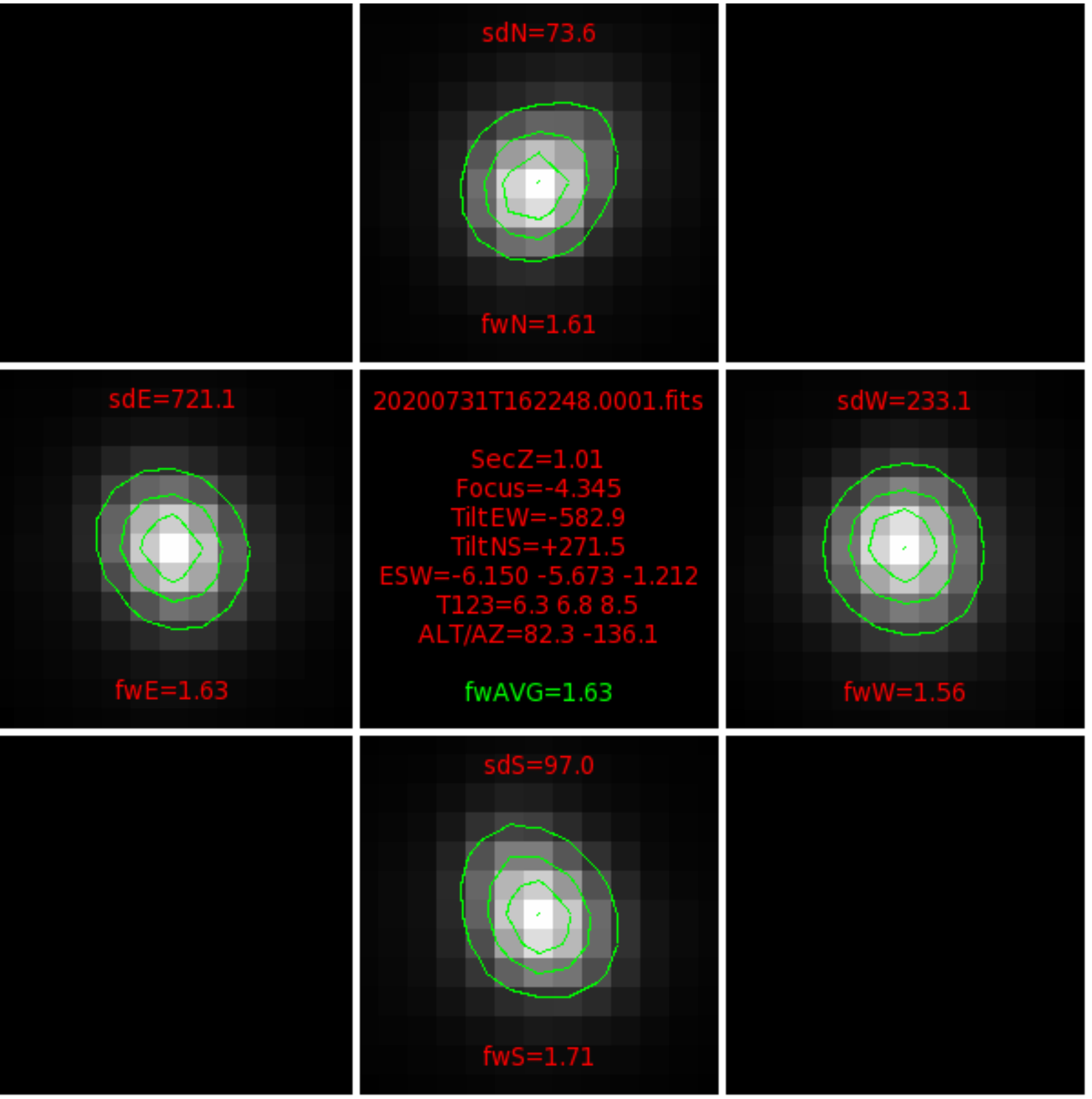
sdN=73.6
fwN=1.61
sdE=721.1
fwE=1.63
20200731T162248.0001.fits
SecZ=1.01
Focus=-4.345
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.150 -5.673 -1.212
T123=6.3 6.8 8.5
ALT/AZ=82.3 -136.1
fwAVG=1.63
sdW=233.1
fwW=1.56
sdS=97.0
fwS=1.71
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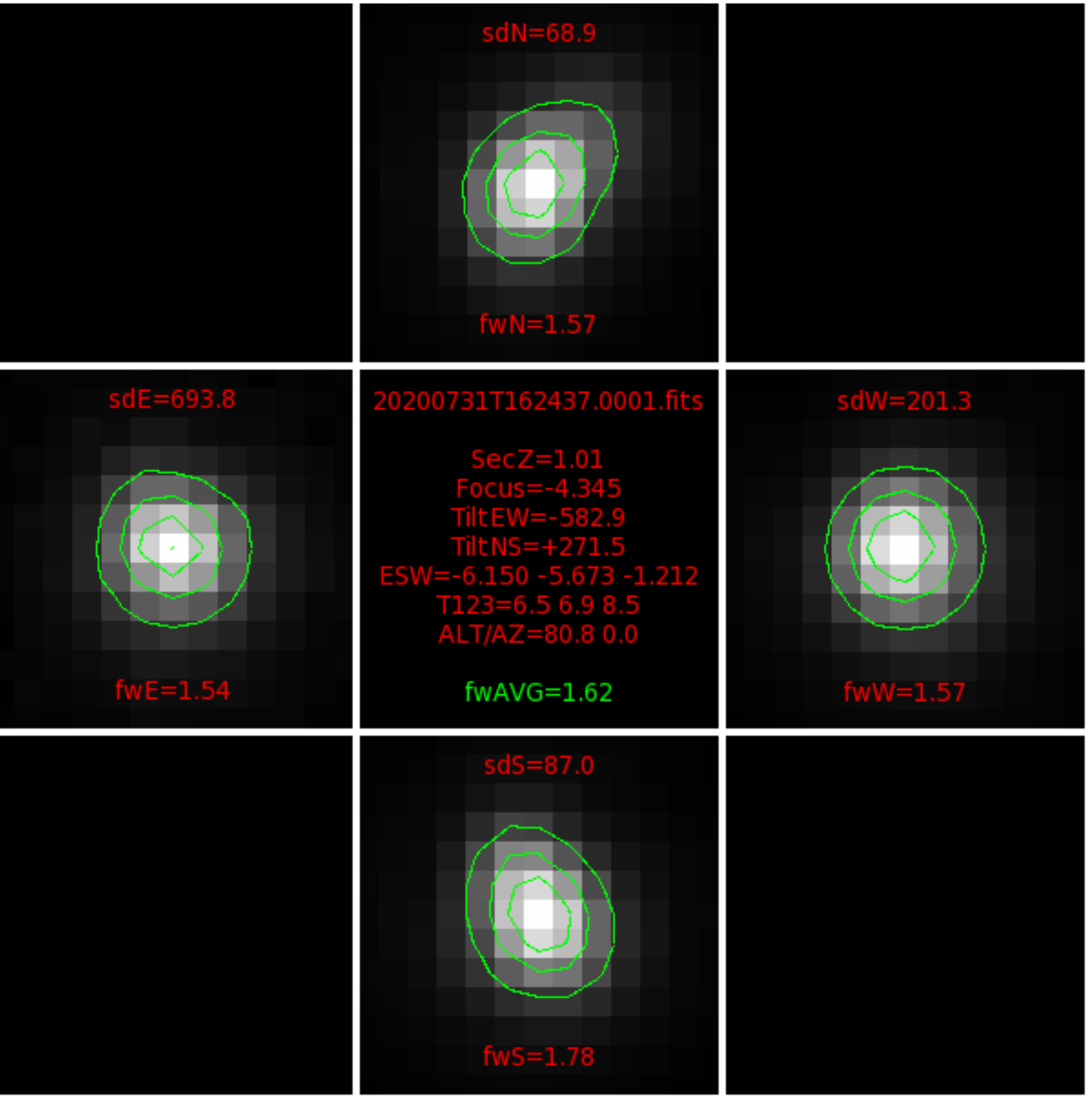
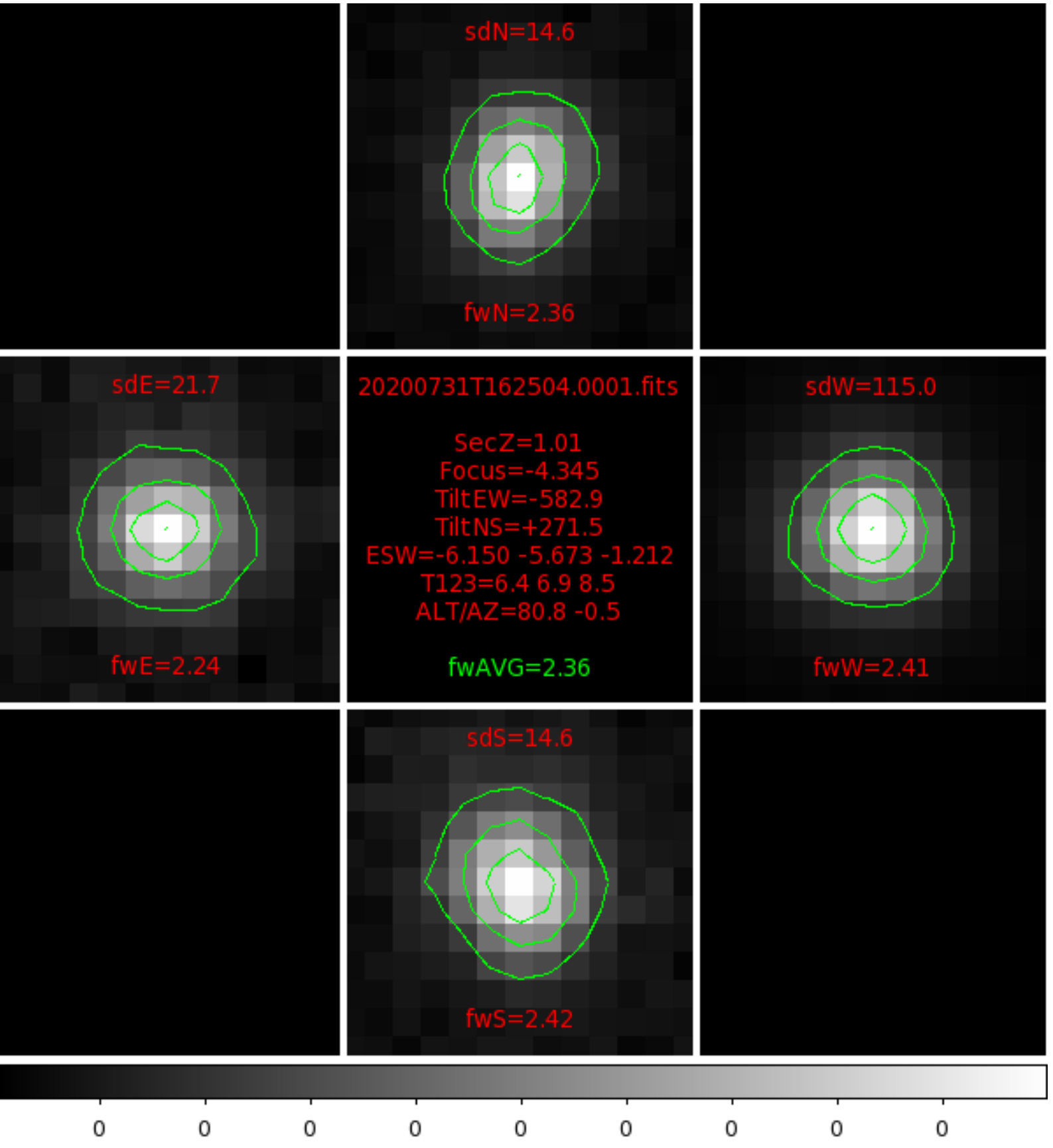
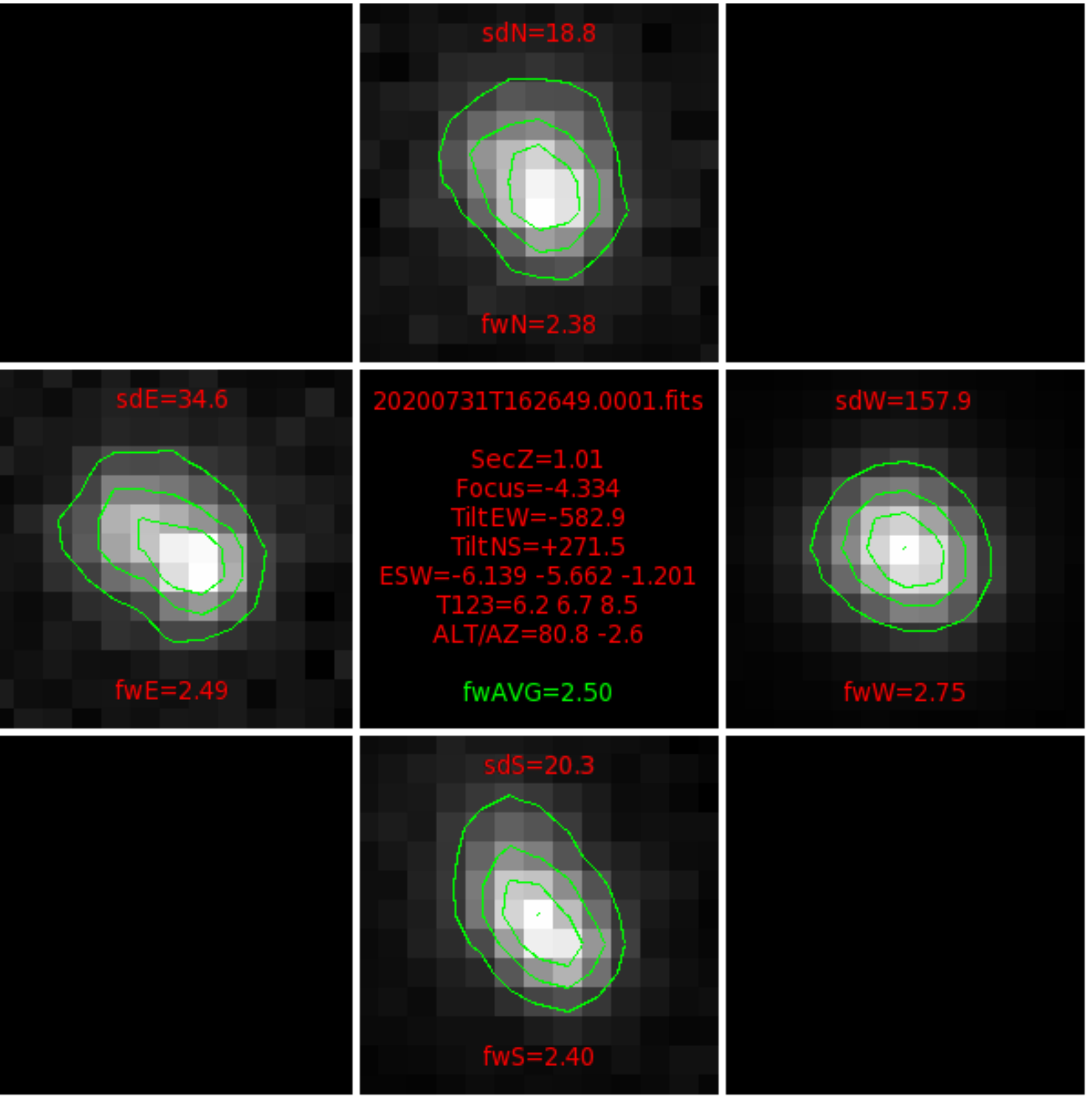

sdN=68.9
fwN=1.57
sdE=693.8
fwE=1.54
20200731T162437.0001.fits
SecZ=1.01
Focus=-4.345
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.150 -5.673 -1.212
T123=6.5 6.9 8.5
ALT/AZ=80.8 0.0
fwAVG=1.62
sdW=201.3
fwW=1.57
sdS=87.0
fwS=1.78
0 0 0 0 0 0 0 0 0


sdN=14.6
fwN=2.36
sdE=21.7
fwE=2.24
20200731T162504.0001.fits
SecZ=1.01
Focus=-4.345
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.150 -5.673 -1.212
T123=6.4 6.9 8.5
ALT/AZ=80.8 -0.5
fwAVG=2.36
sdW=115.0
fwW=2.41
sdS=14.6
fwS=2.42
0 0 0 0 0 0 0 0 0


sdN=18.8
fwN=2.38
sdE=34.6
fwE=2.49
20200731T162649.0001.fits
SecZ=1.01
Focus=-4.334
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.139 -5.662 -1.201
T123=6.2 6.7 8.5
ALT/AZ=80.8 -2.6
fwAVG=2.50
sdW=157.9
fwW=2.75
sdS=20.3
fwS=2.40
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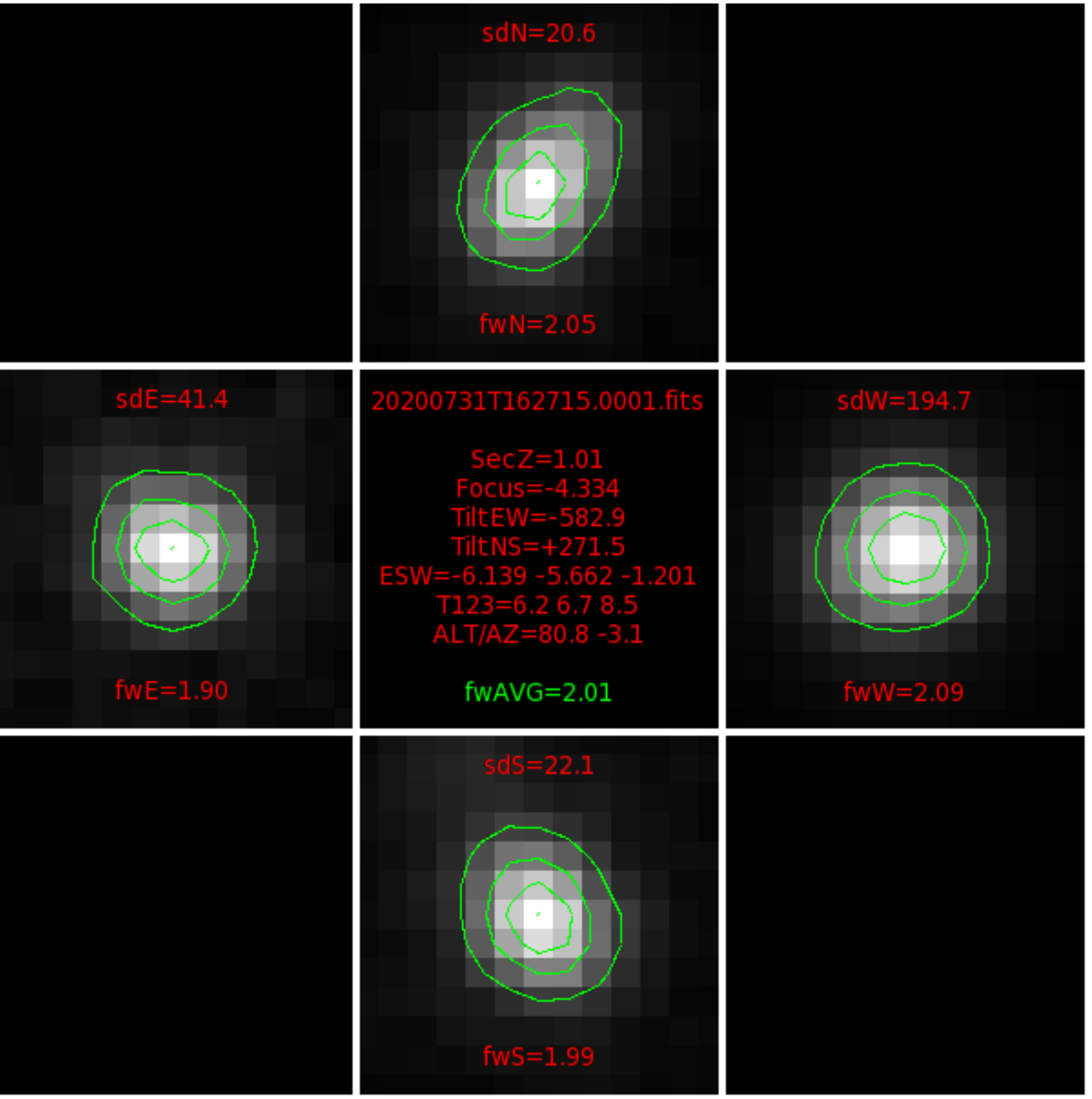
sdN=20.6
fwN=2.05
sdE=41.4
fwE=1.90
20200731T162715.0001.fits
SecZ=1.01
Focus=-4.334
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.139 -5.662 -1.201
T123=6.2 6.7 8.5
ALT/AZ=80.8 -3.1
fwAVG=2.01
sdW=194.7
fwW=2.09
sdS=22.1
fwS=1.99
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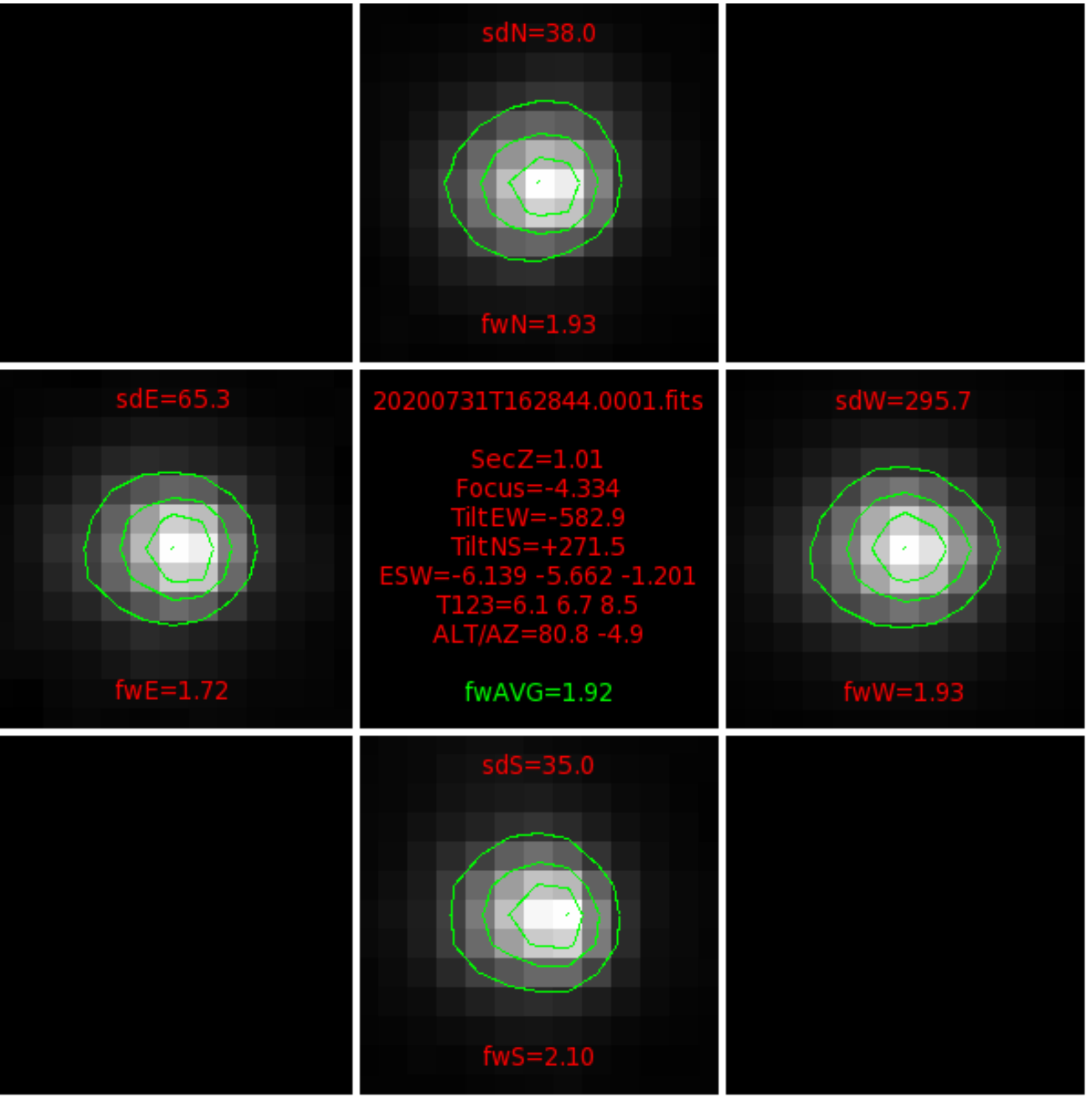
sdN=38.0
fwN=1.93
sdE=65.3
fwE=1.72
20200731T162844.0001.fits
SecZ=1.01
Focus=-4.334
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.139 -5.662 -1.201
T123=6.1 6.7 8.5
ALT/AZ=80.8 -4.9
fwAVG=1.92
sdW=295.7
fwW=1.93
sdS=35.0
fwS=2.10
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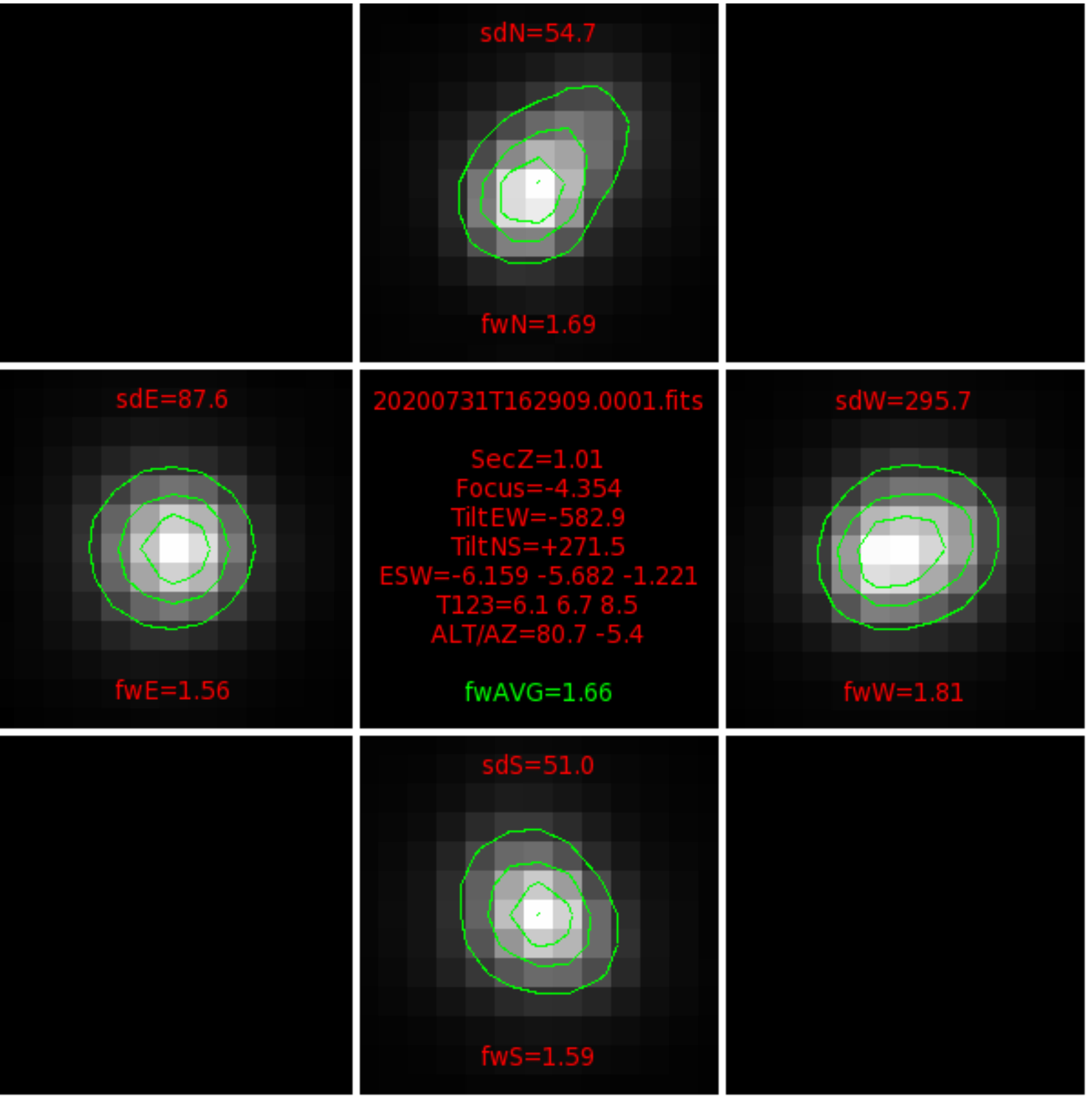
sdN=54.7
fwN=1.69
sdE=87.6
fwE=1.56
20200731T162909.0001.fits
SecZ=1.01
Focus=-4.354
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.159 -5.682 -1.221
T123=6.1 6.7 8.5
ALT/AZ=80.7 -5.4
fwAVG=1.66
sdW=295.7
fwW=1.81
sdS=51.0
fwS=1.59
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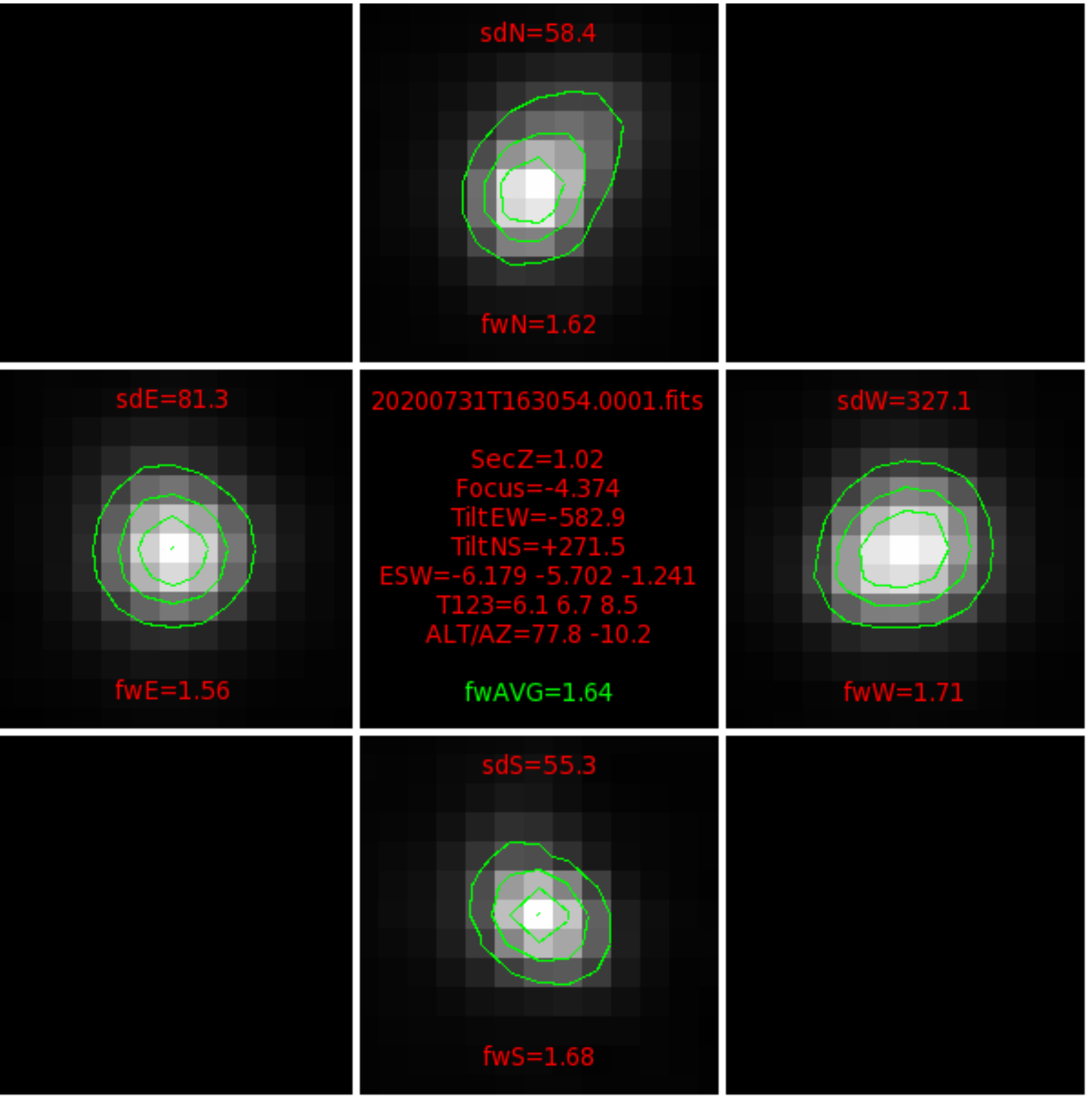
sdN=58.4
fwN=1.62
sdE=81.3
fwE=1.56
20200731T163054.0001.fits
SecZ=1.02
Focus=-4.374
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.179 -5.702 -1.241
T123=6.1 6.7 8.5
ALT/AZ=77.8 -10.2
fwAVG=1.64
sdW=327.1
fwW=1.71
sdS=55.3
fwS=1.68
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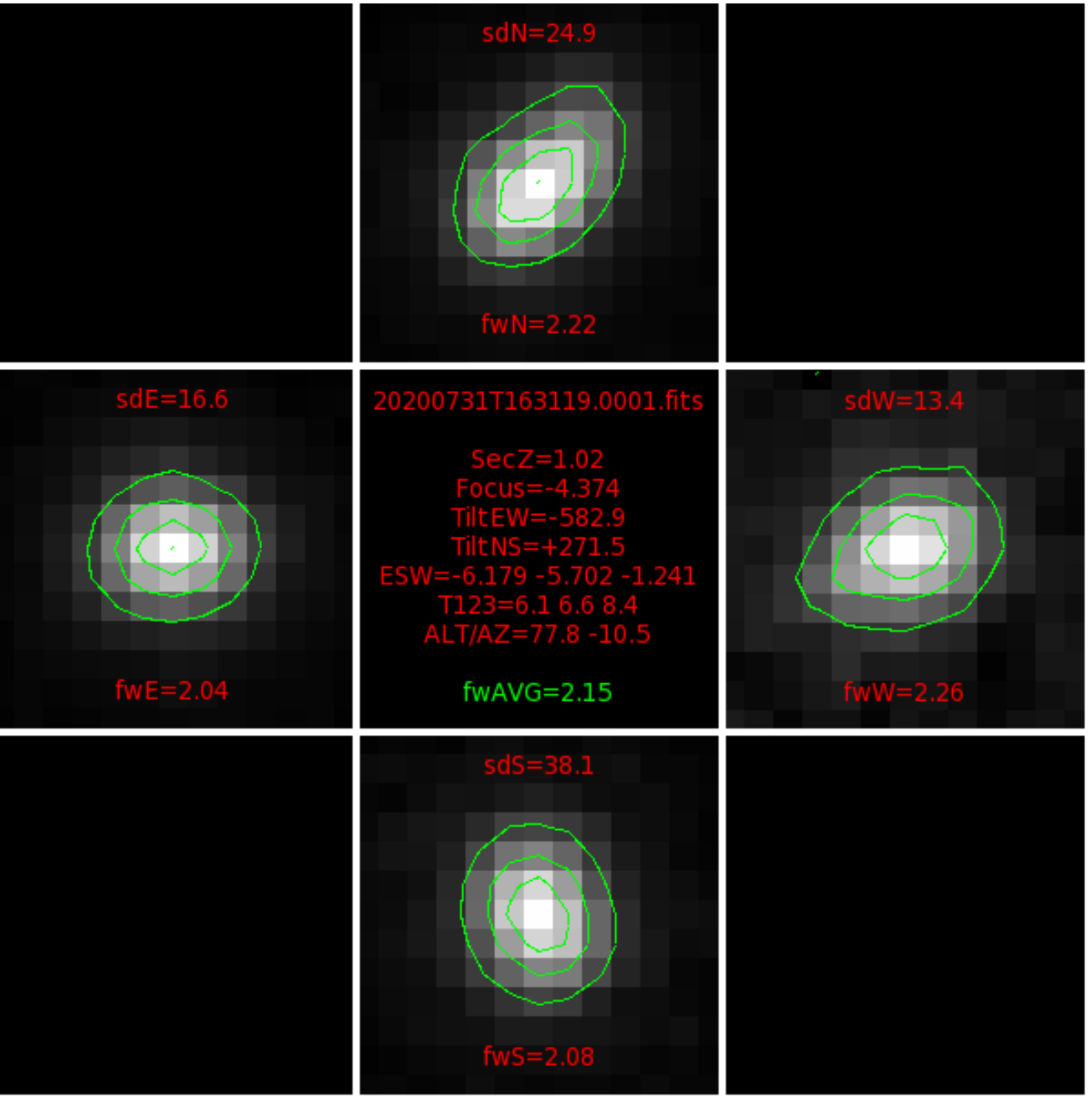
sdN=24.9
fwN=2.22
sdE=16.6
fwE=2.04
20200731T163119.0001.fits
SecZ=1.02
Focus=-4.374
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.179 -5.702 -1.241
T123=6.1 6.6 8.4
ALT/AZ=77.8 -10.5
fwAVG=2.15
sdW=13.4
fwW=2.26
sdS=38.1
fwS=2.08
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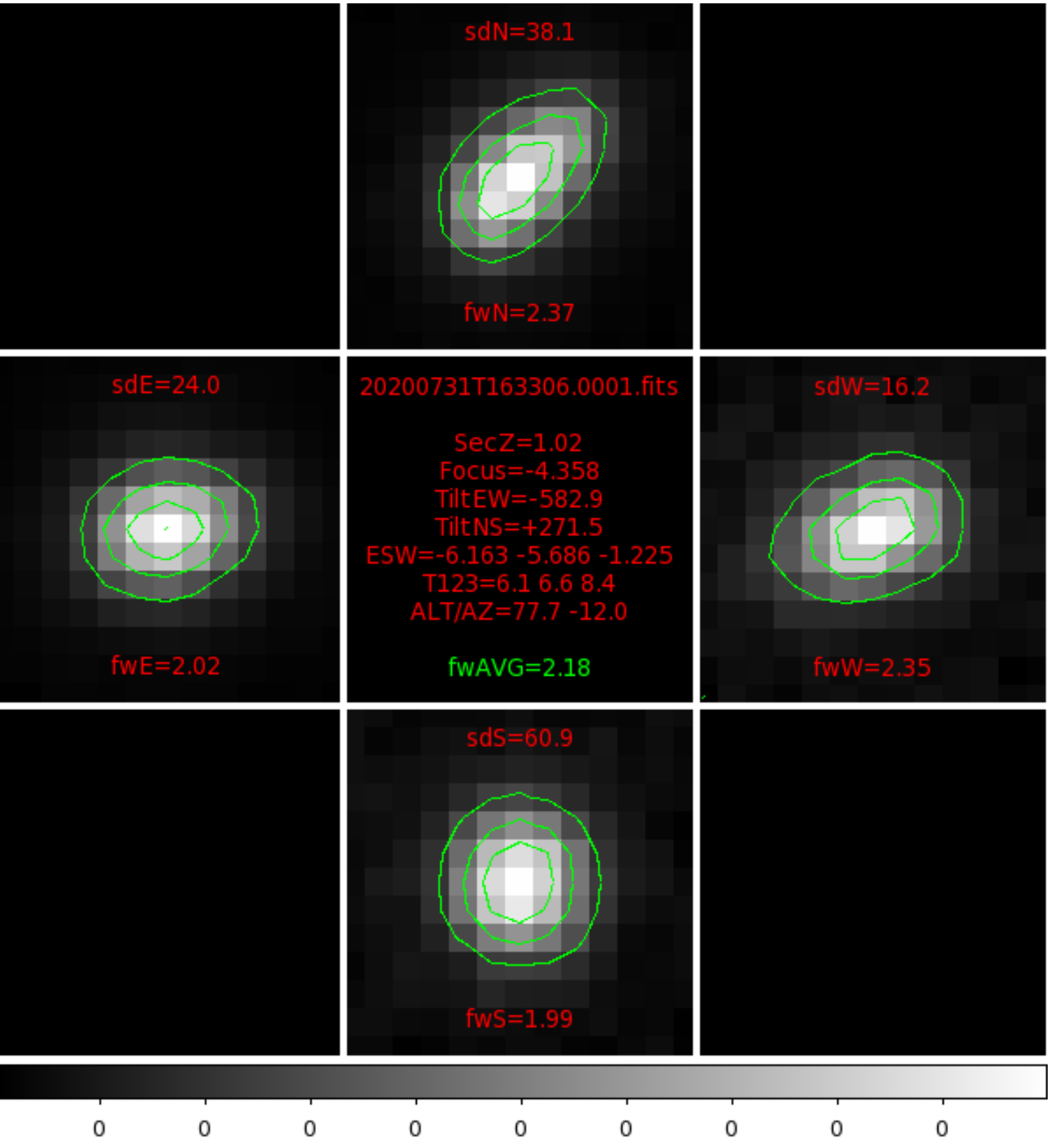
sdN=38.1
fwN=2.37
sdE=24.0
fwE=2.02
20200731T163306.0001.fits
SecZ=1.02
Focus=-4.358
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.163 -5.686 -1.225
T123=6.1 6.6 8.4
ALT/AZ=77.7 -12.0
fwAVG=2.18
sdW=16.2
fwW=2.35
sdS=60.9
fwS=1.99
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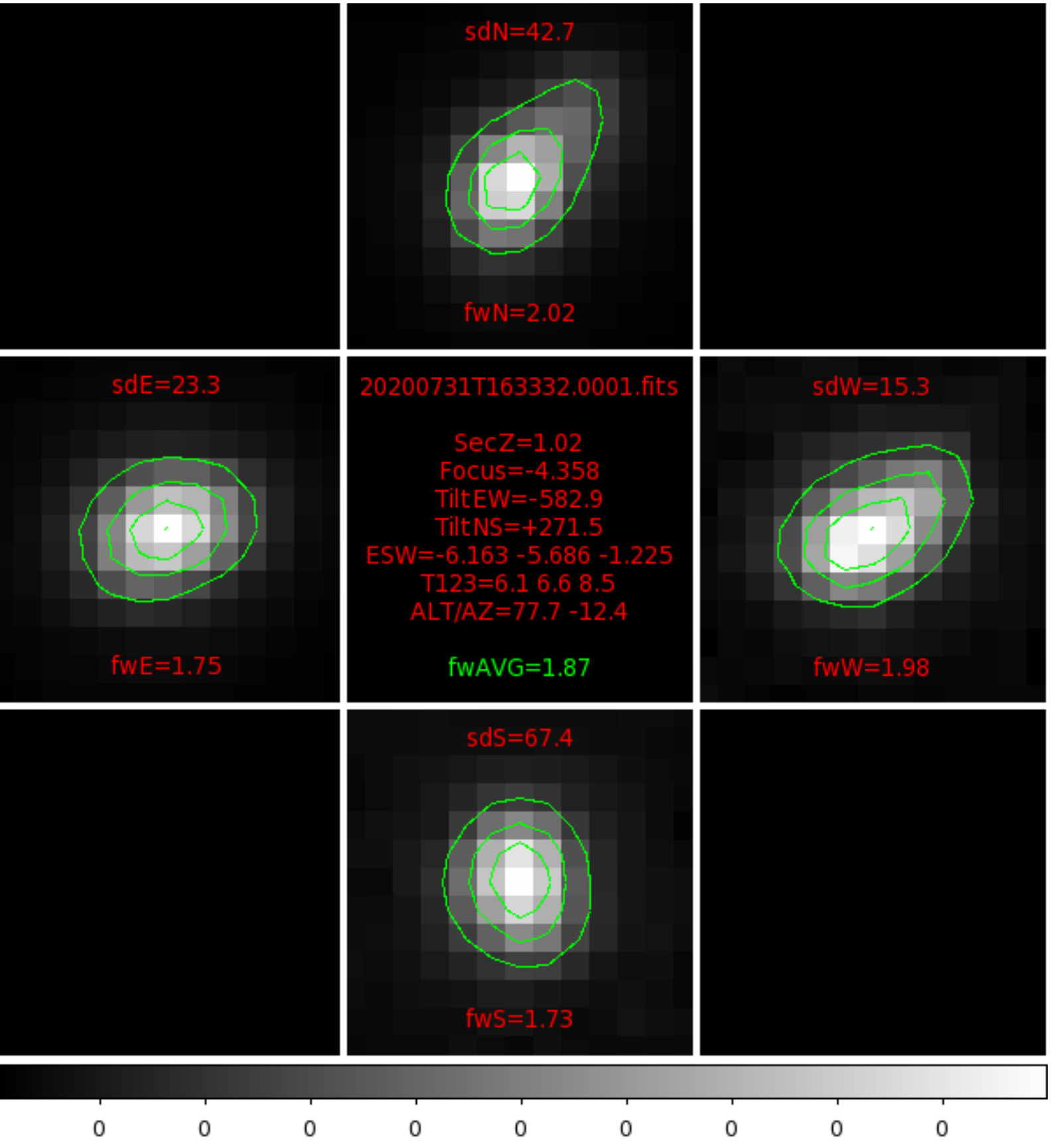
sdN=42.7
fwN=2.02
sdE=23.3
fwE=1.75
20200731T163332.0001.fits
SecZ=1.02
Focus=-4.358
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.163 -5.686 -1.225
T123=6.1 6.6 8.5
ALT/AZ=77.7 -12.4
fwAVG=1.87
sdW=15.3
fwW=1.98
sdS=67.4
fwS=1.73
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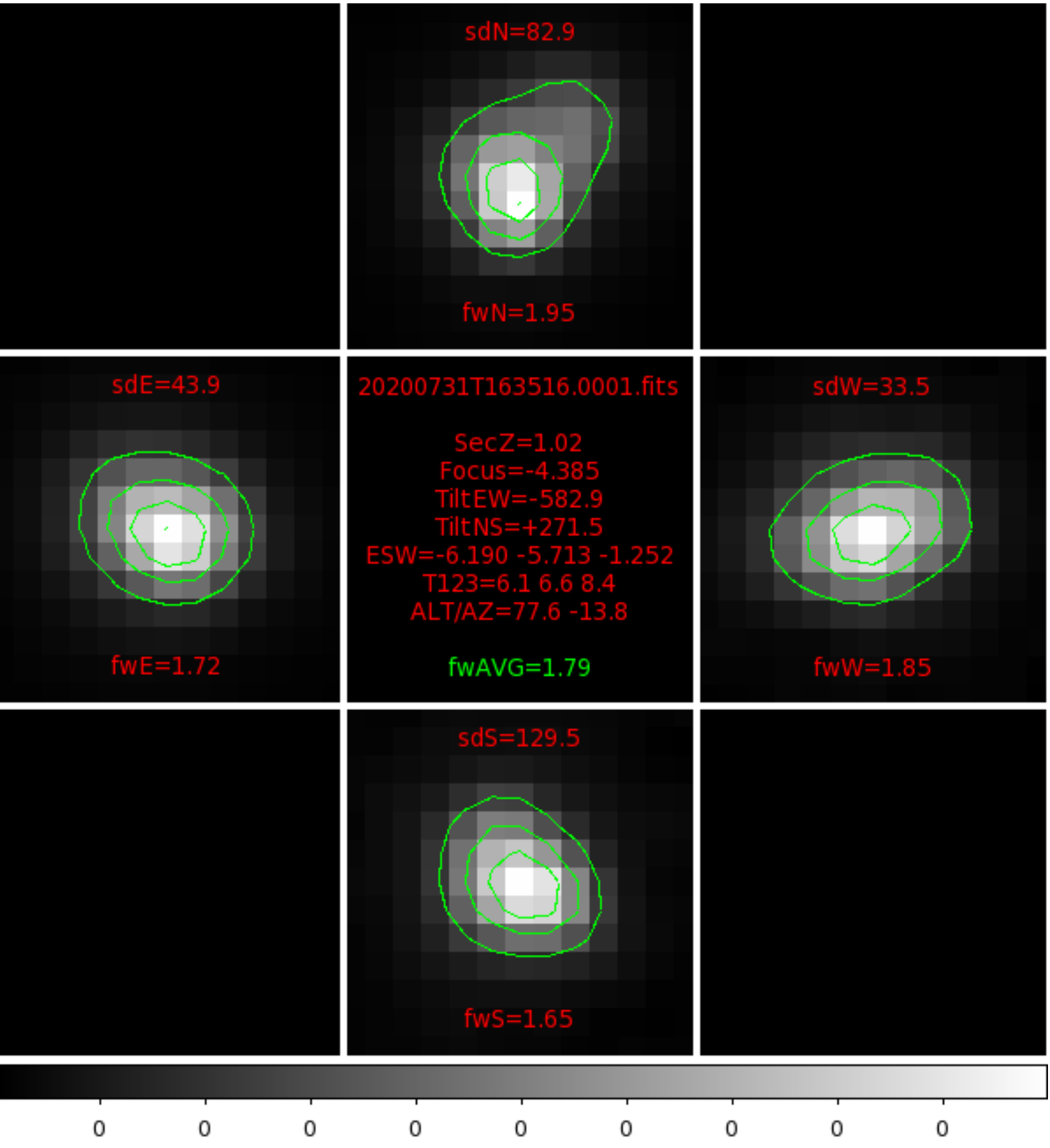
sdN=82.9
fwN=1.95
sdE=43.9
fwE=1.72
20200731T163516.0001.fits
SecZ=1.02
Focus=-4.385
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.190 -5.713 -1.252
T123=6.1 6.6 8.4
ALT/AZ=77.6 -13.8
fwAVG=1.79
sdW=33.5
fwW=1.85
sdS=129.5
fwS=1.65
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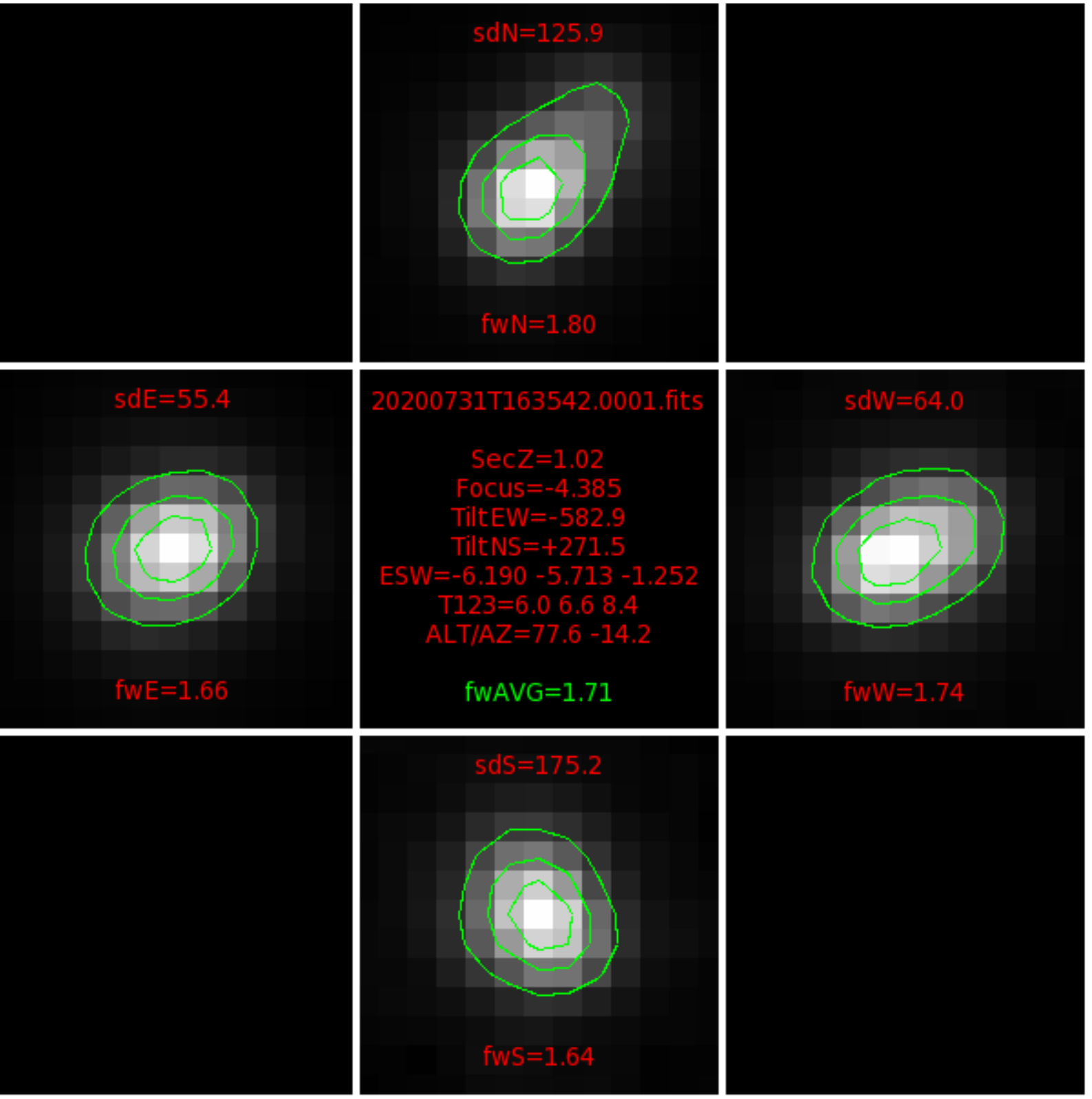
sdN=125.9
fwN=1.80
sdE=55.4
fwE=1.66
20200731T163542.0001.fits
SecZ=1.02
Focus=-4.385
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.190 -5.713 -1.252
T123=6.0 6.6 8.4
ALT/AZ=77.6 -14.2
fwAVG=1.71
sdW=64.0
fwW=1.74
sdS=175.2
fwS=1.64
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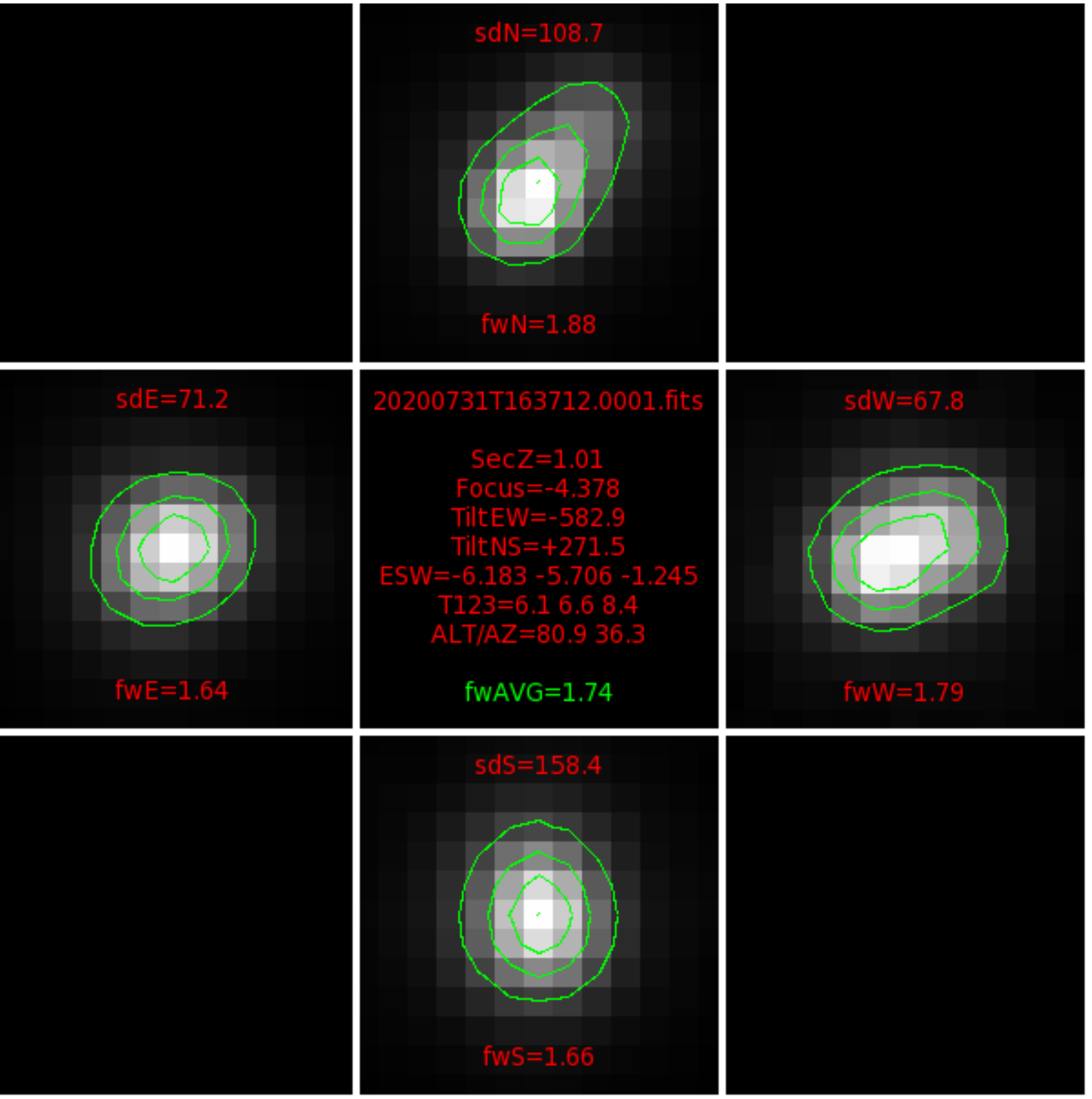
sdN=108.7
fwN=1.88
sdE=71.2
fwE=1.64
20200731T163712.0001.fits
SecZ=1.01
Focus=-4.378
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.183 -5.706 -1.245
T123=6.1 6.6 8.4
ALT/AZ=80.9 36.3
fwAVG=1.74
sdW=67.8
fwW=1.79
sdS=158.4
fwS=1.66
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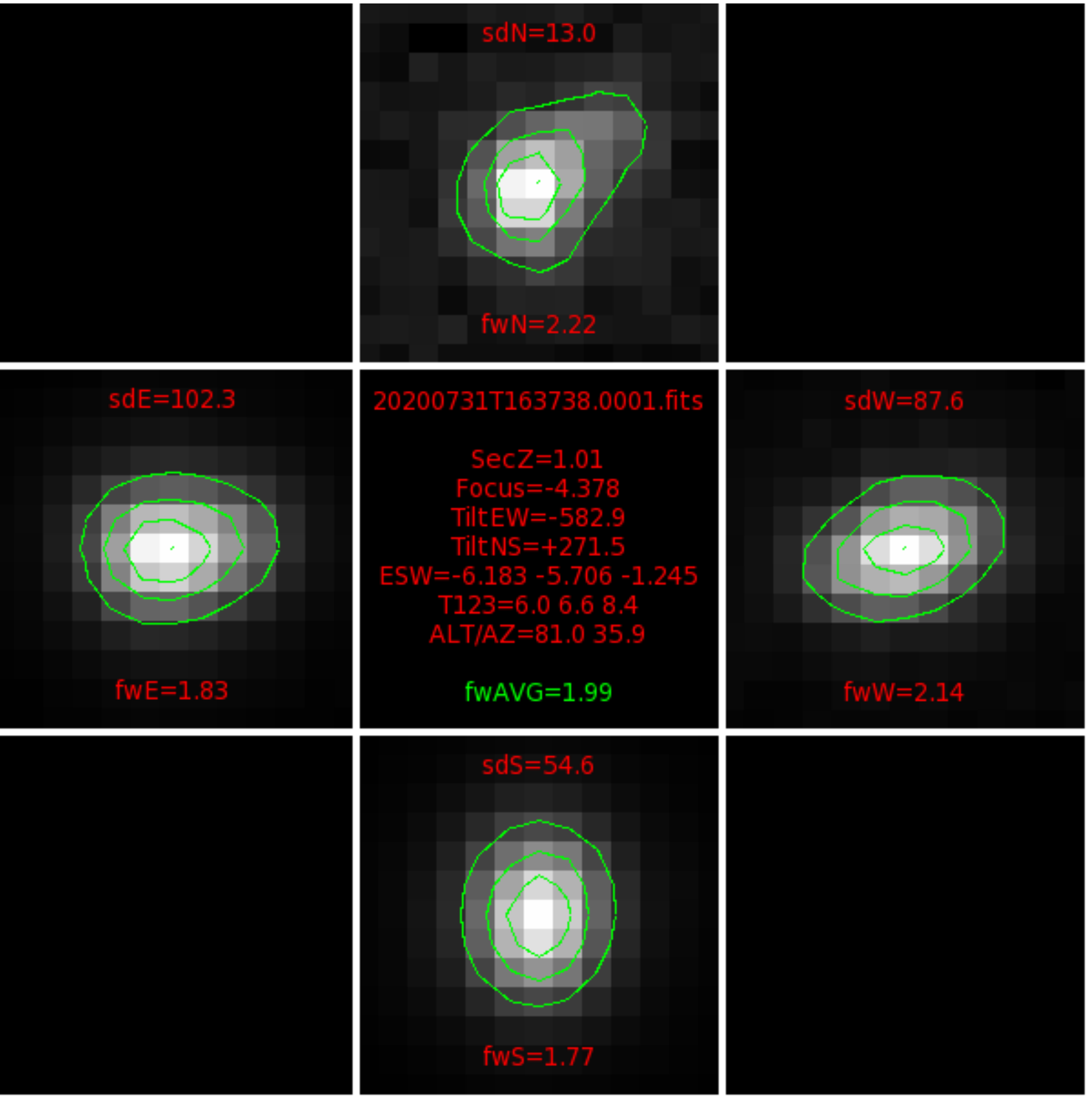
sdN=13.0
fwN=2.22
sdE=102.3
fwE=1.83
20200731T163738.0001.fits
SecZ=1.01
Focus=-4.378
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.183 -5.706 -1.245
T123=6.0 6.6 8.4
ALT/AZ=81.0 35.9
fwAVG=1.99
sdW=87.6
fwW=2.14
sdS=54.6
fwS=1.77
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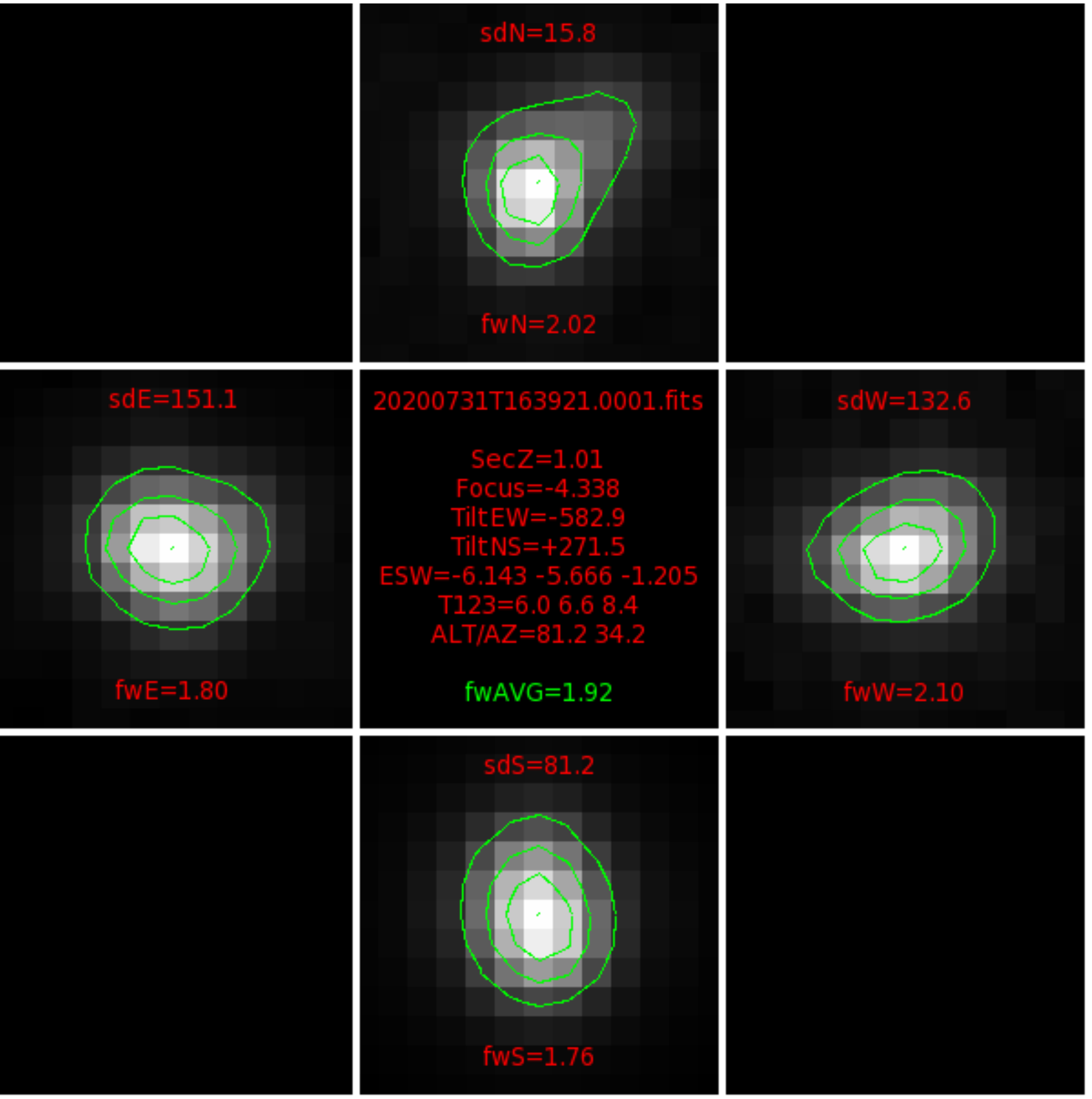
sdN=15.8
fwN=2.02
sdE=151.1
fwE=1.80
20200731T163921.0001.fits
SecZ=1.01
Focus=-4.338
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.143 -5.666 -1.205
T123=6.0 6.6 8.4
ALT/AZ=81.2 34.2
fwAVG=1.92
sdW=132.6
fwW=2.10
sdS=81.2
fwS=1.76
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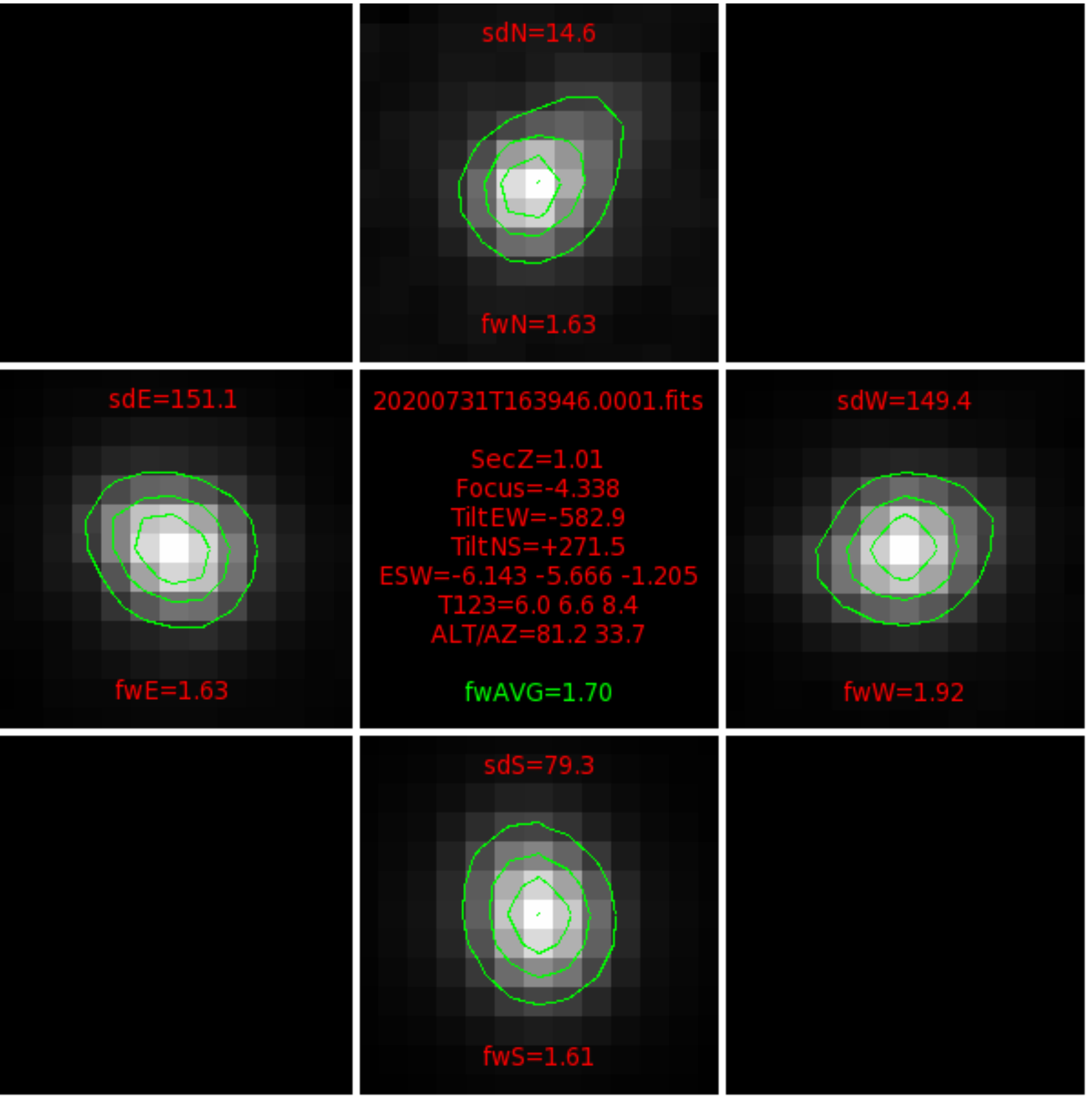
sdN=14.6
fwN=1.63
sdE=151.1
fwE=1.63
20200731T163946.0001.fits
SecZ=1.01
Focus=-4.338
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.143 -5.666 -1.205
T123=6.0 6.6 8.4
ALT/AZ=81.2 33.7
fwAVG=1.70
sdW=149.4
fwW=1.92
sdS=79.3
fwS=1.61
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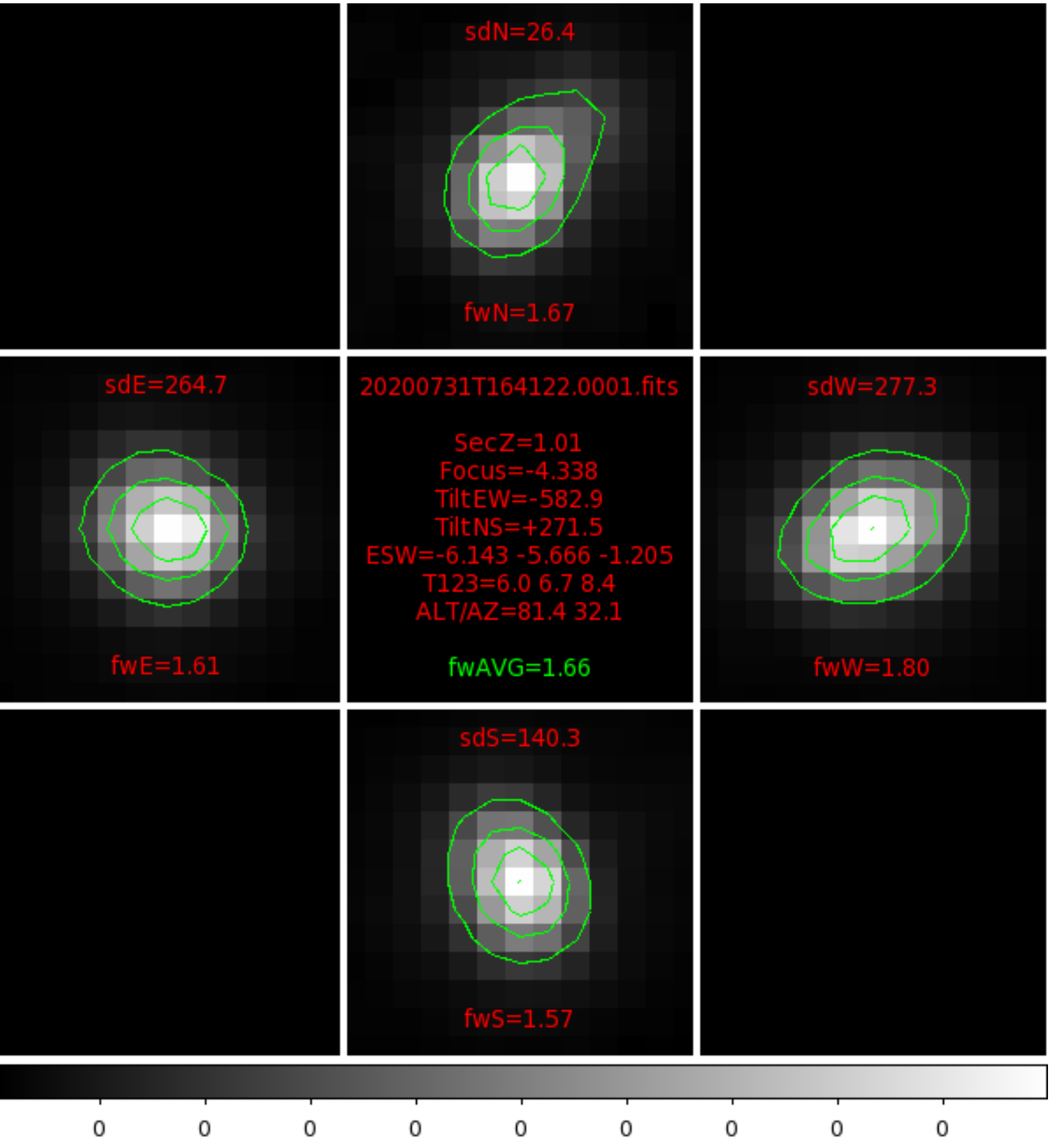
sdN=26.4
fwN=1.67
sdE=264.7
fwE=1.61
20200731T164122.0001.fits
SecZ=1.01
Focus=-4.338
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.143 -5.666 -1.205
T123=6.0 6.7 8.4
ALT/AZ=81.4 32.1
fwAVG=1.66
sdW=277.3
fwW=1.80
sdS=140.3
fwS=1.57
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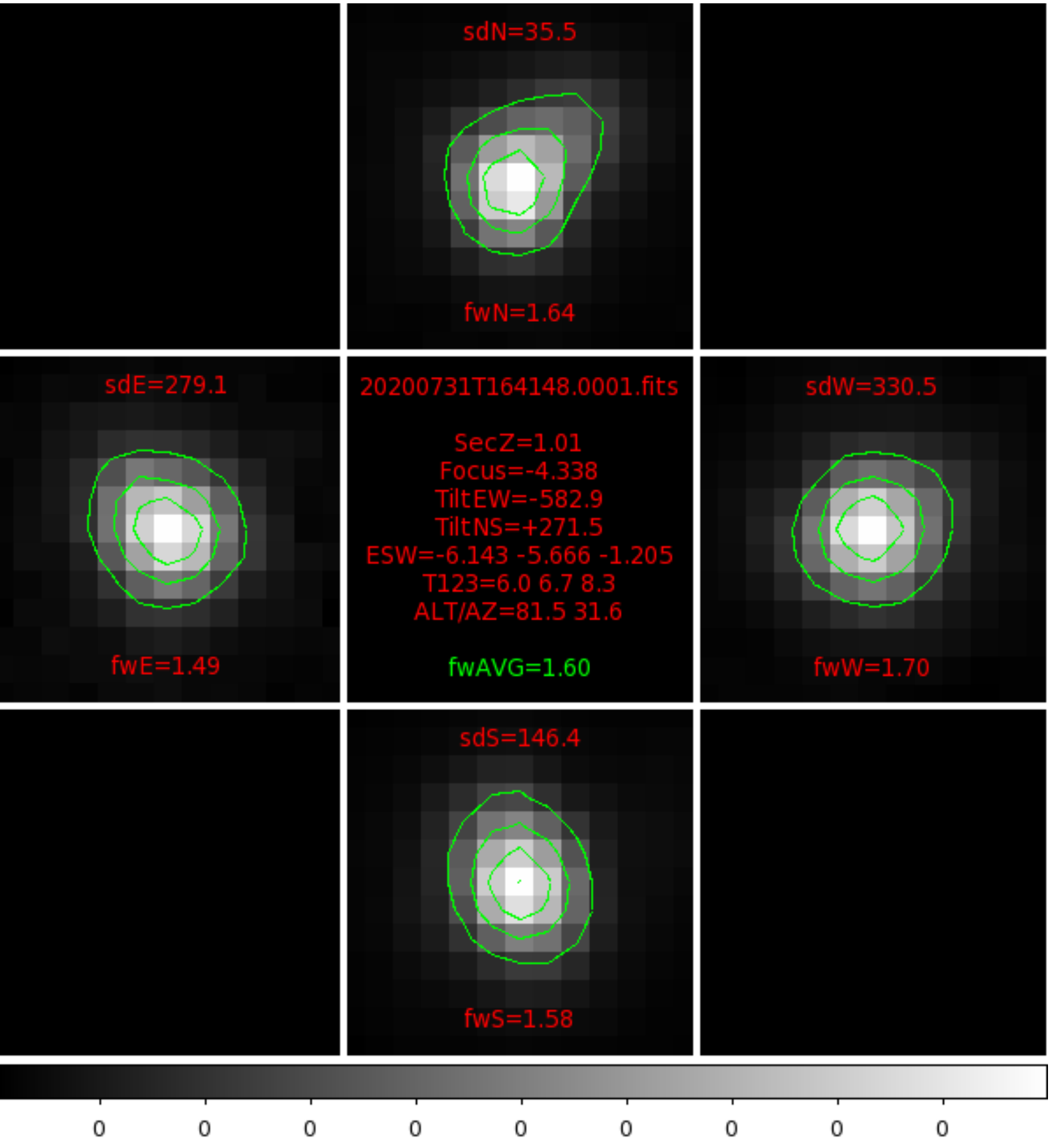
sdN=35.5
fwN=1.64
sdE=279.1
fwE=1.49
20200731T164148.0001.fits
SecZ=1.01
Focus=-4.338
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.143 -5.666 -1.205
T123=6.0 6.7 8.3
ALT/AZ=81.5 31.6
fwAVG=1.60
sdW=330.5
fwW=1.70
sdS=146.4
fwS=1.58
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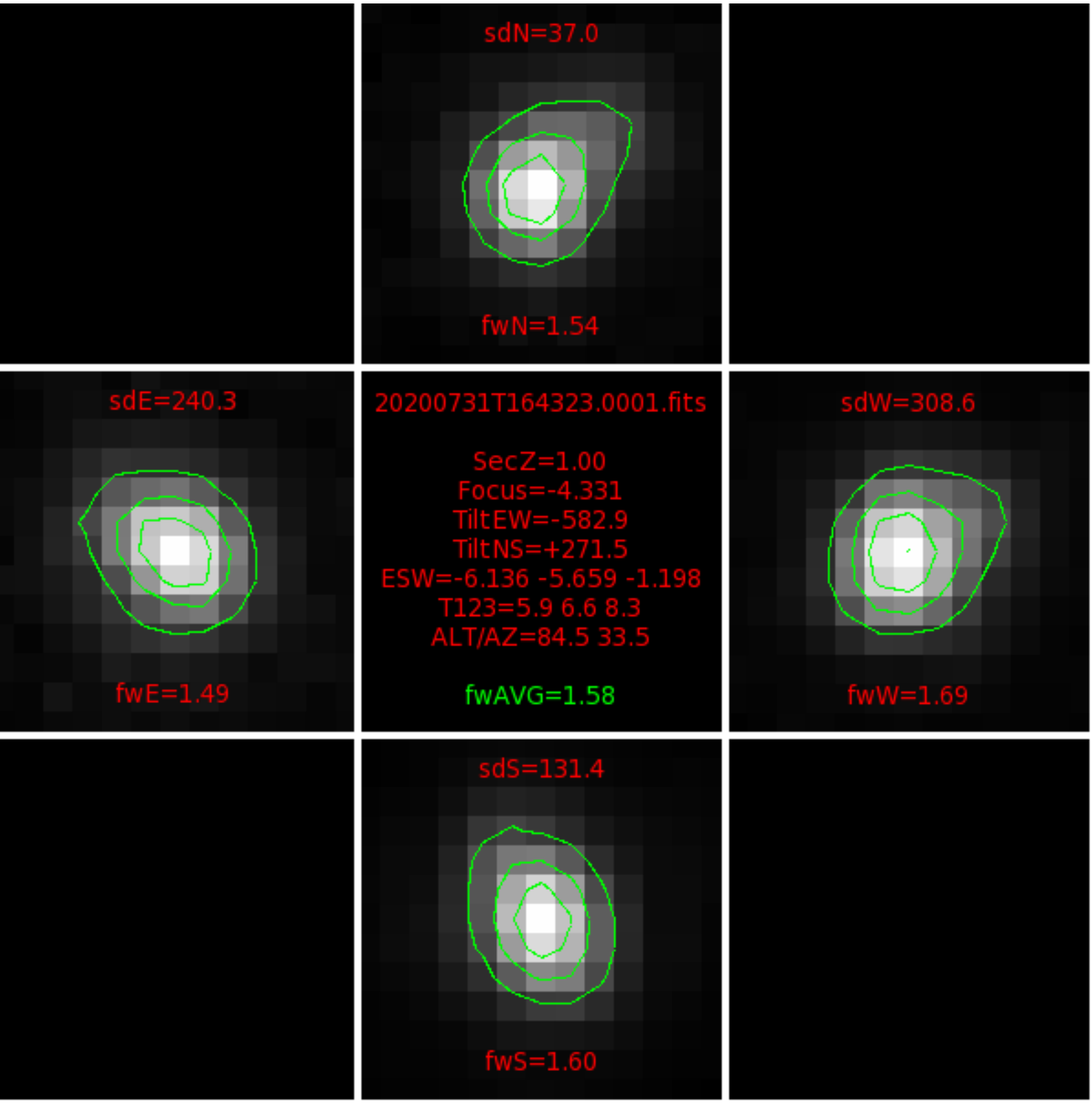
sdN=37.0
fwN=1.54
sdE=240.3
fwE=1.49
20200731T164323.0001.fits
SecZ=1.00
Focus=-4.331
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.136 -5.659 -1.198
T123=5.9 6.6 8.3
ALT/AZ=84.5 33.5
fwAVG=1.58
sdW=308.6
fwW=1.69
sdS=131.4
fwS=1.60
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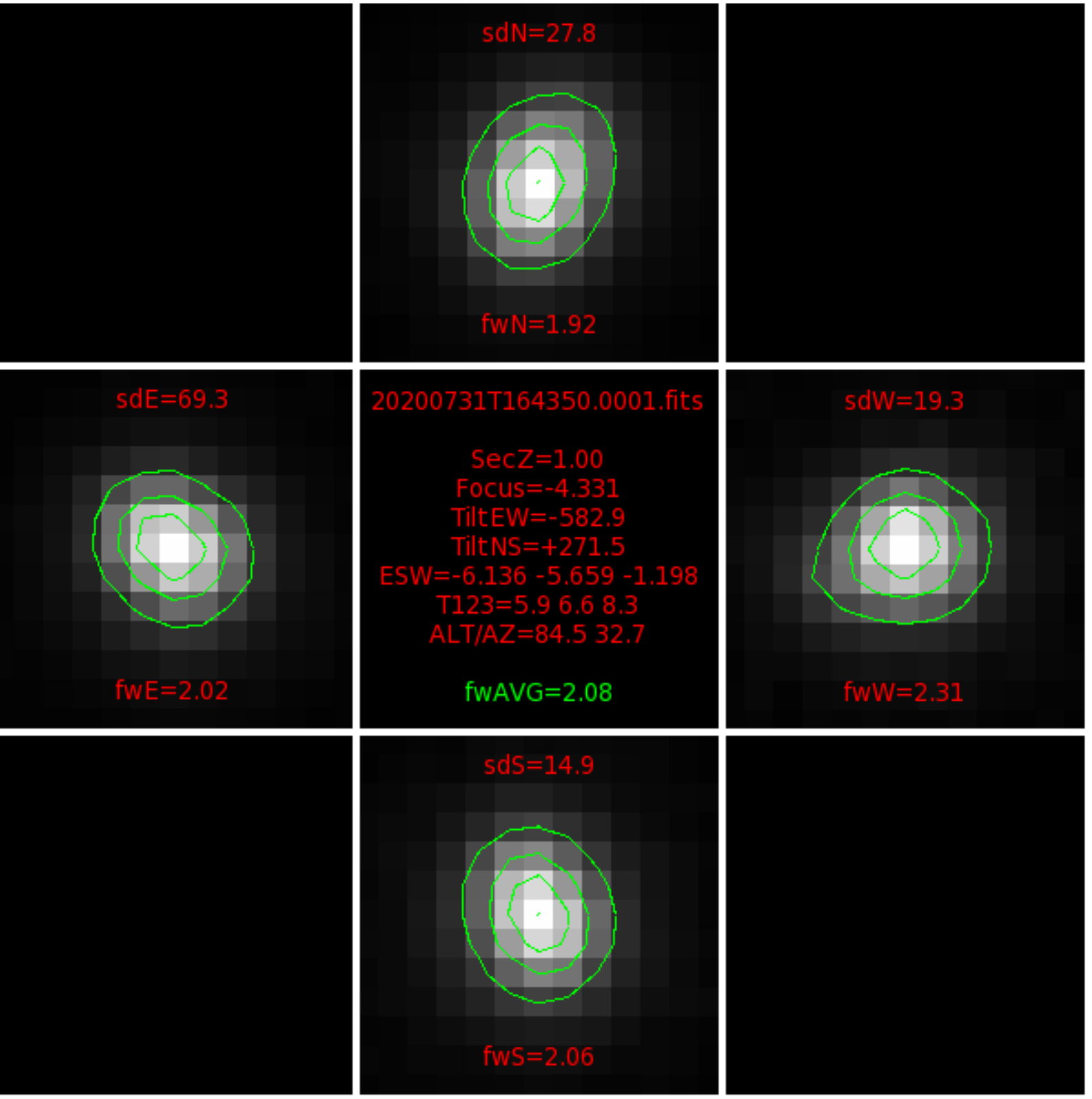
sdN=27.8
fwN=1.92
sdE=69.3
fwE=2.02
20200731T164350.0001.fits
SecZ=1.00
Focus=-4.331
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.136 -5.659 -1.198
T123=5.9 6.6 8.3
ALT/AZ=84.5 32.7
fwAVG=2.08
sdW=19.3
fwW=2.31
sdS=14.9
fwS=2.06
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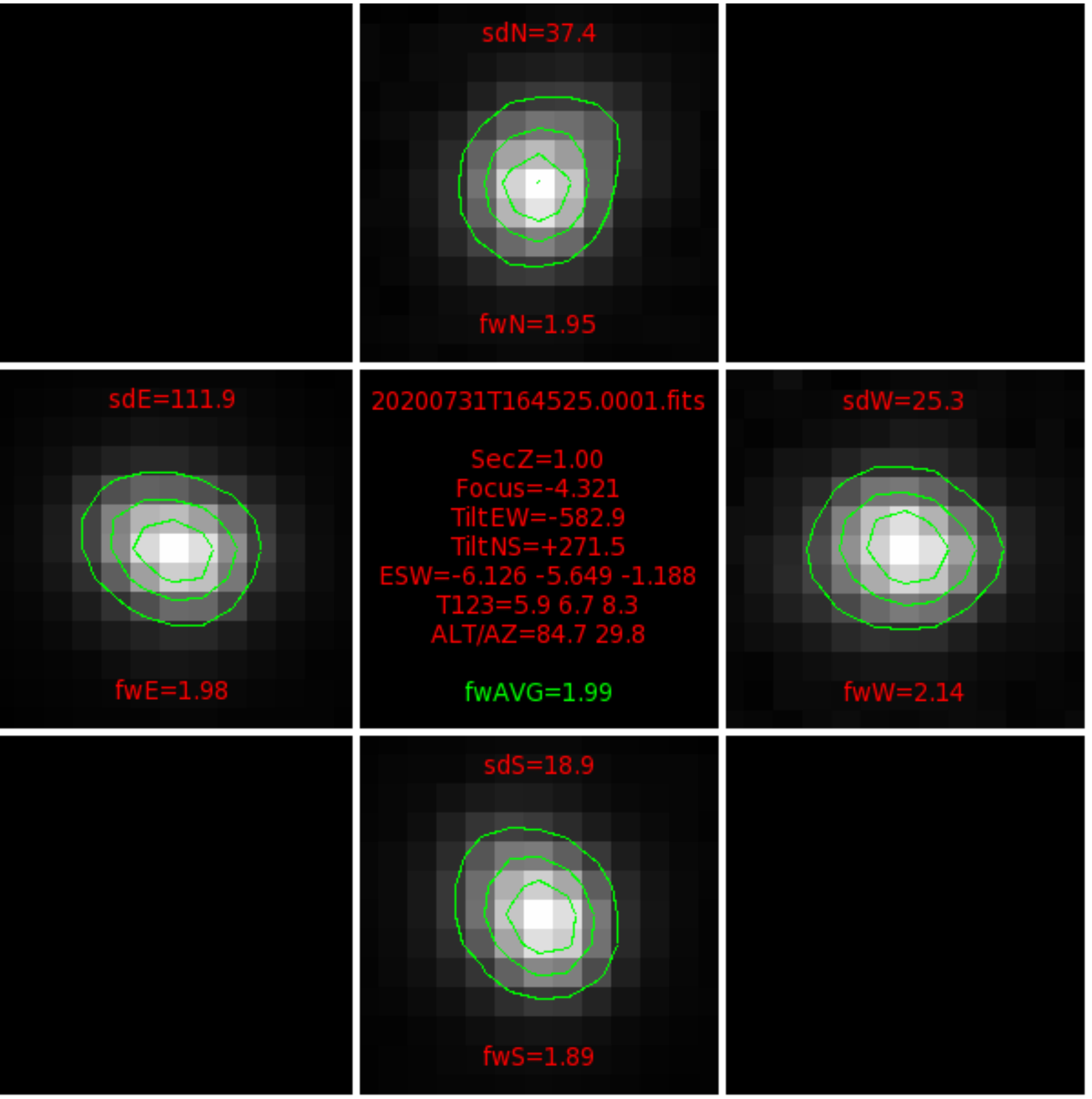
sdN=37.4
fwN=1.95
sdE=111.9
fwE=1.98
20200731T164525.0001.fits
SecZ=1.00
Focus=-4.321
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.126 -5.649 -1.188
T123=5.9 6.7 8.3
ALT/AZ=84.7 29.8
fwAVG=1.99
sdW=25.3
fwW=2.14
sdS=18.9
fwS=1.89
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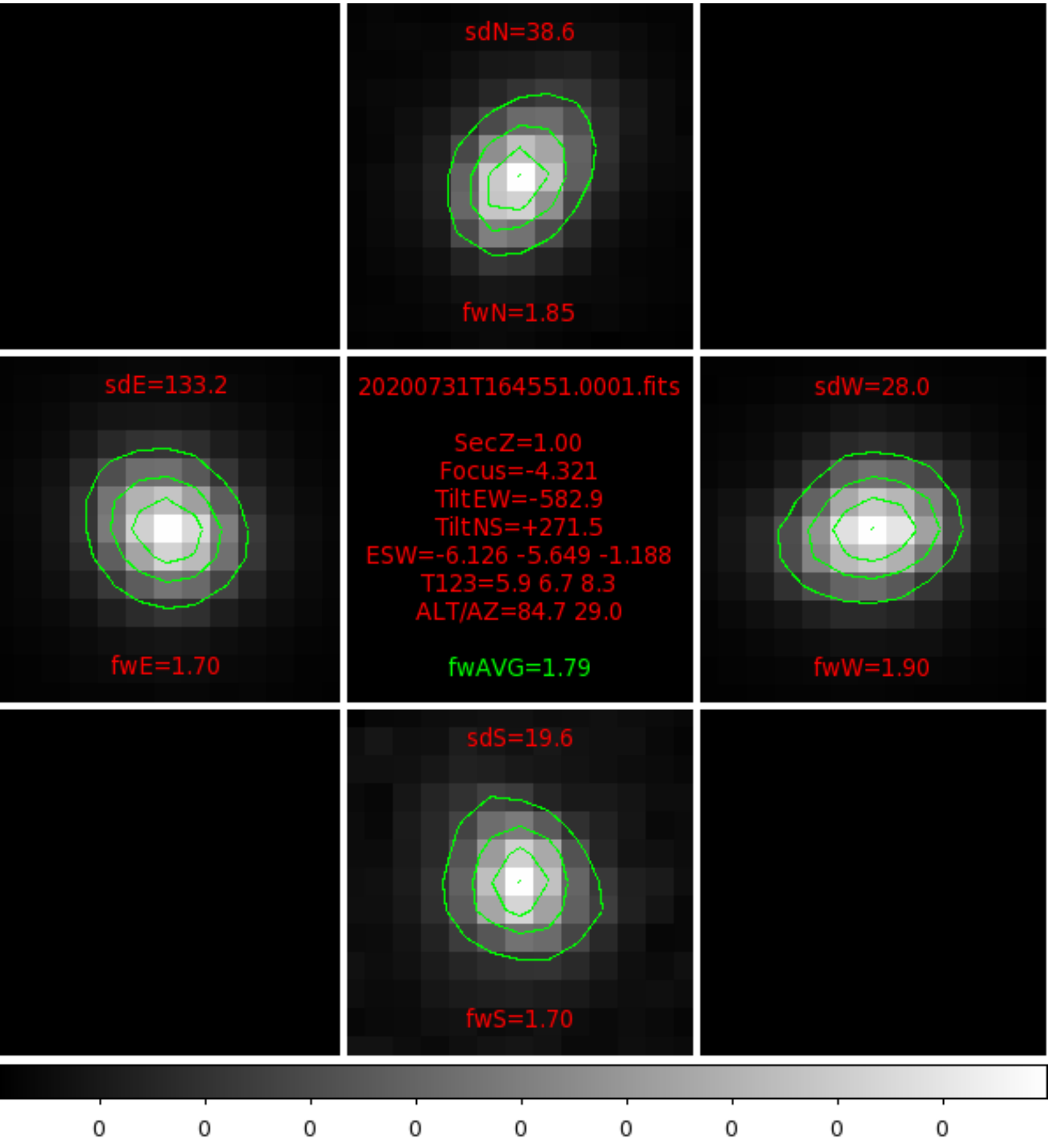
sdN=38.6
fwN=1.85
sdE=133.2
fwE=1.70
20200731T164551.0001.fits
SecZ=1.00
Focus=-4.321
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.126 -5.649 -1.188
T123=5.9 6.7 8.3
ALT/AZ=84.7 29.0
fwAVG=1.79
sdW=28.0
fwW=1.90
sdS=19.6
fwS=1.70
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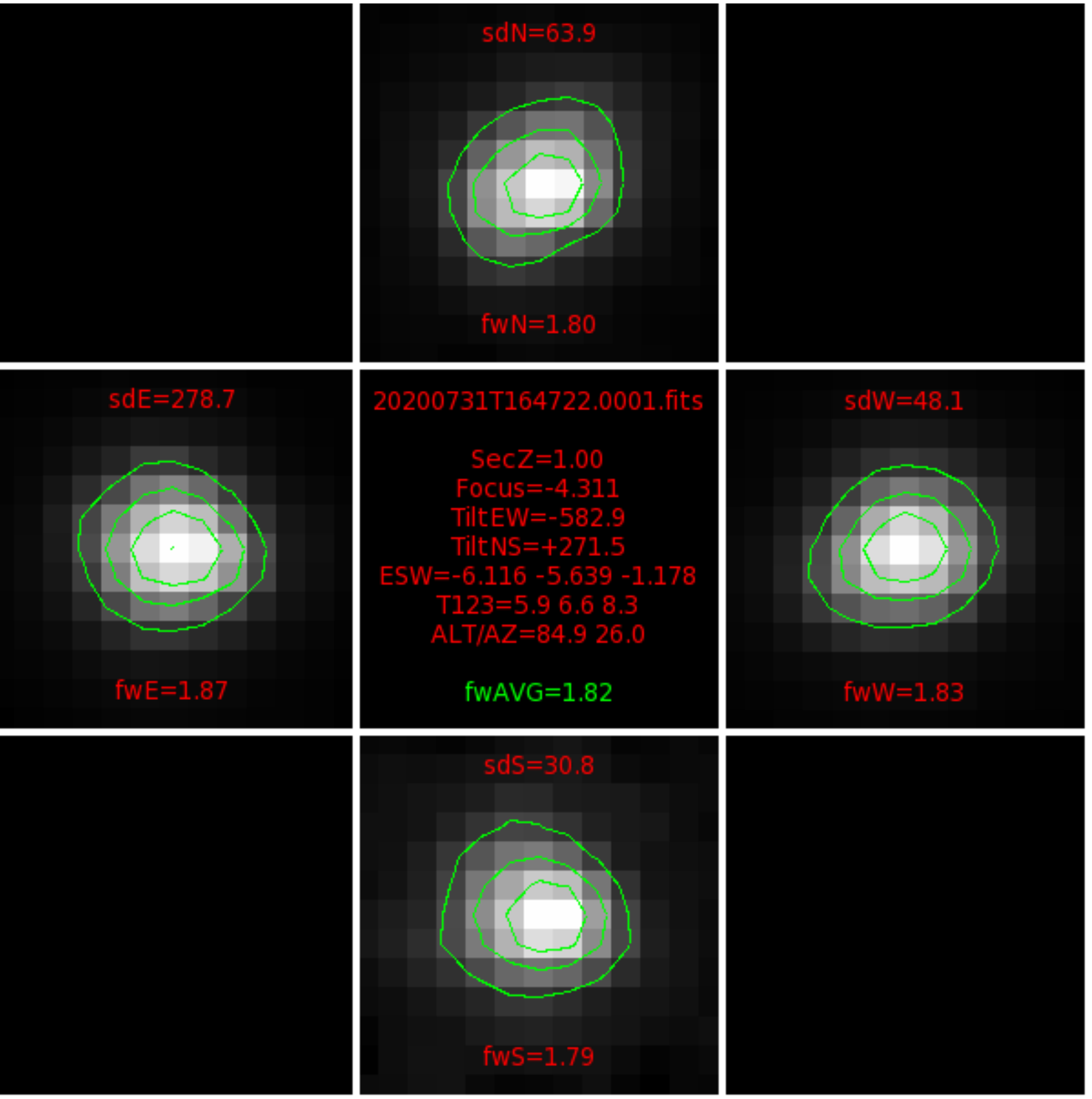
sdN=63.9
fwN=1.80
sdE=278.7
fwE=1.87
20200731T164722.0001.fits
SecZ=1.00
Focus=-4.311
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.116 -5.639 -1.178
T123=5.9 6.6 8.3
ALT/AZ=84.9 26.0
fwAVG=1.82
sdW=48.1
fwW=1.83
sdS=30.8
fwS=1.79
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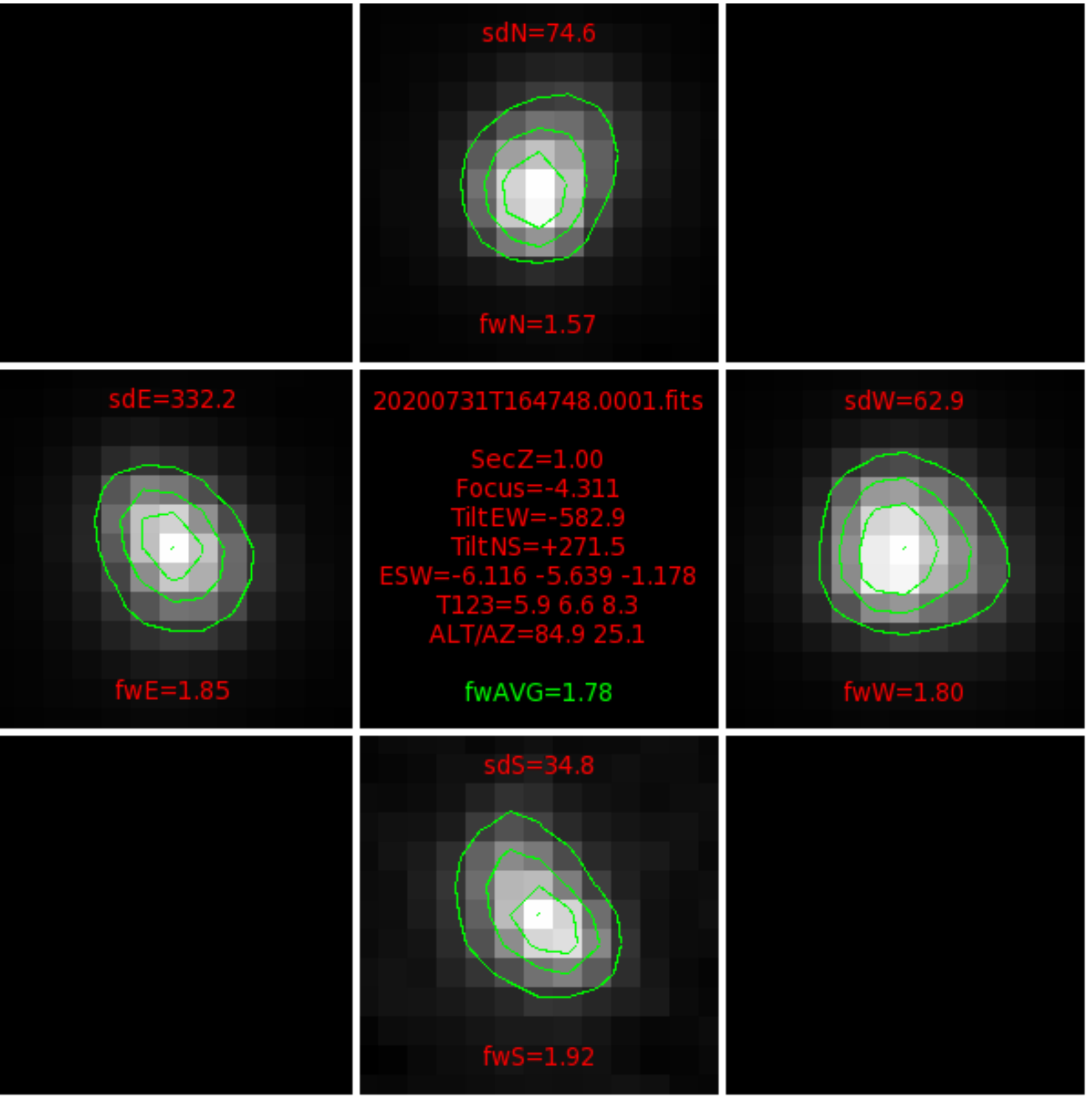
sdN=74.6
fwN=1.57
sdE=332.2
fwE=1.85
20200731T164748.0001.fits
SecZ=1.00
Focus=-4.311
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.116 -5.639 -1.178
T123=5.9 6.6 8.3
ALT/AZ=84.9 25.1
fwAVG=1.78
sdW=62.9
fwW=1.80
sdS=34.8
fwS=1.92
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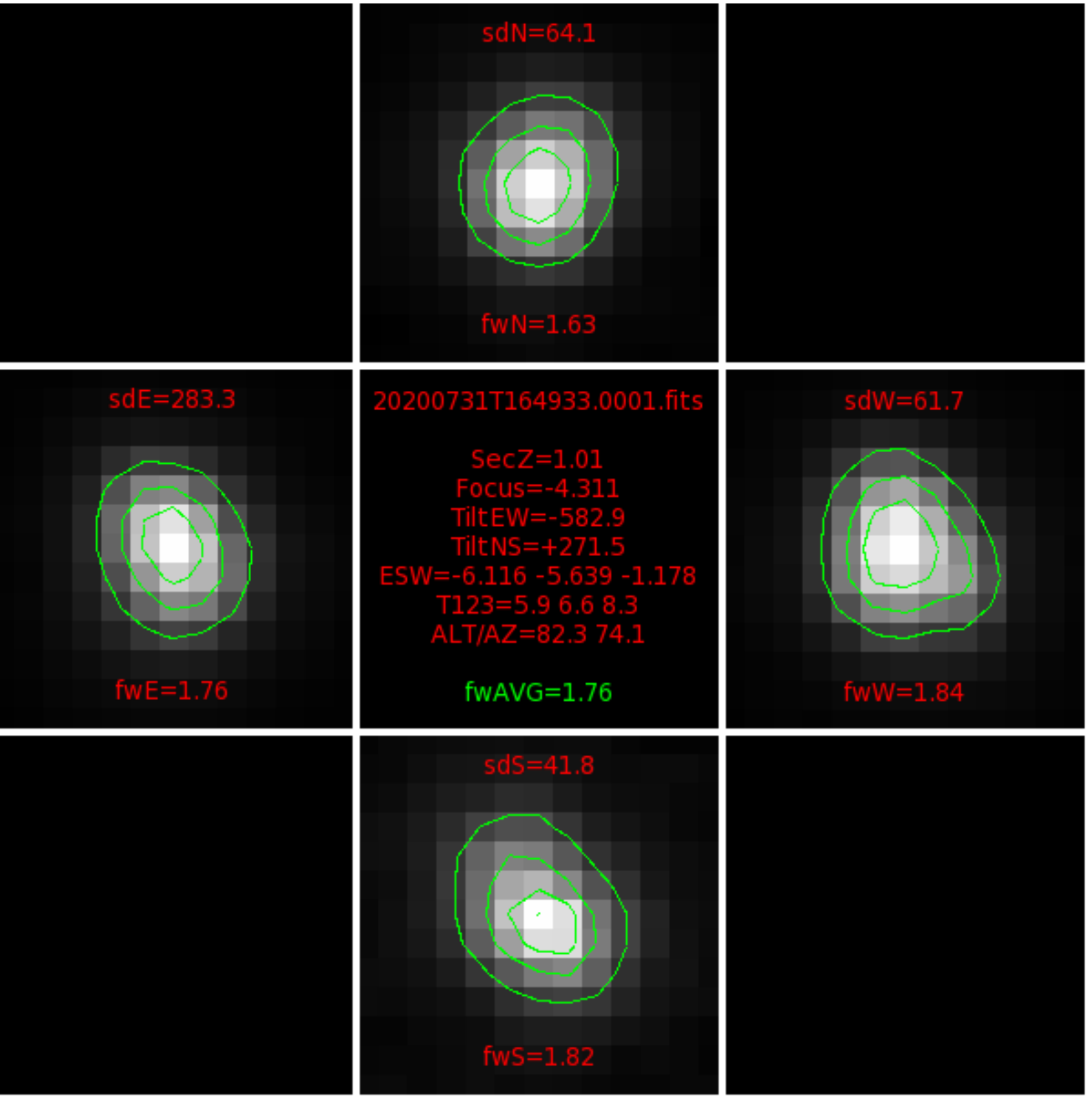
sdN=64.1
fwN=1.63
sdE=283.3
fwE=1.76
20200731T164933.0001.fits
SecZ=1.01
Focus=-4.311
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.116 -5.639 -1.178
T123=5.9 6.6 8.3
ALT/AZ=82.3 74.1
fwAVG=1.76
sdW=61.7
fwW=1.84
sdS=41.8
fwS=1.82
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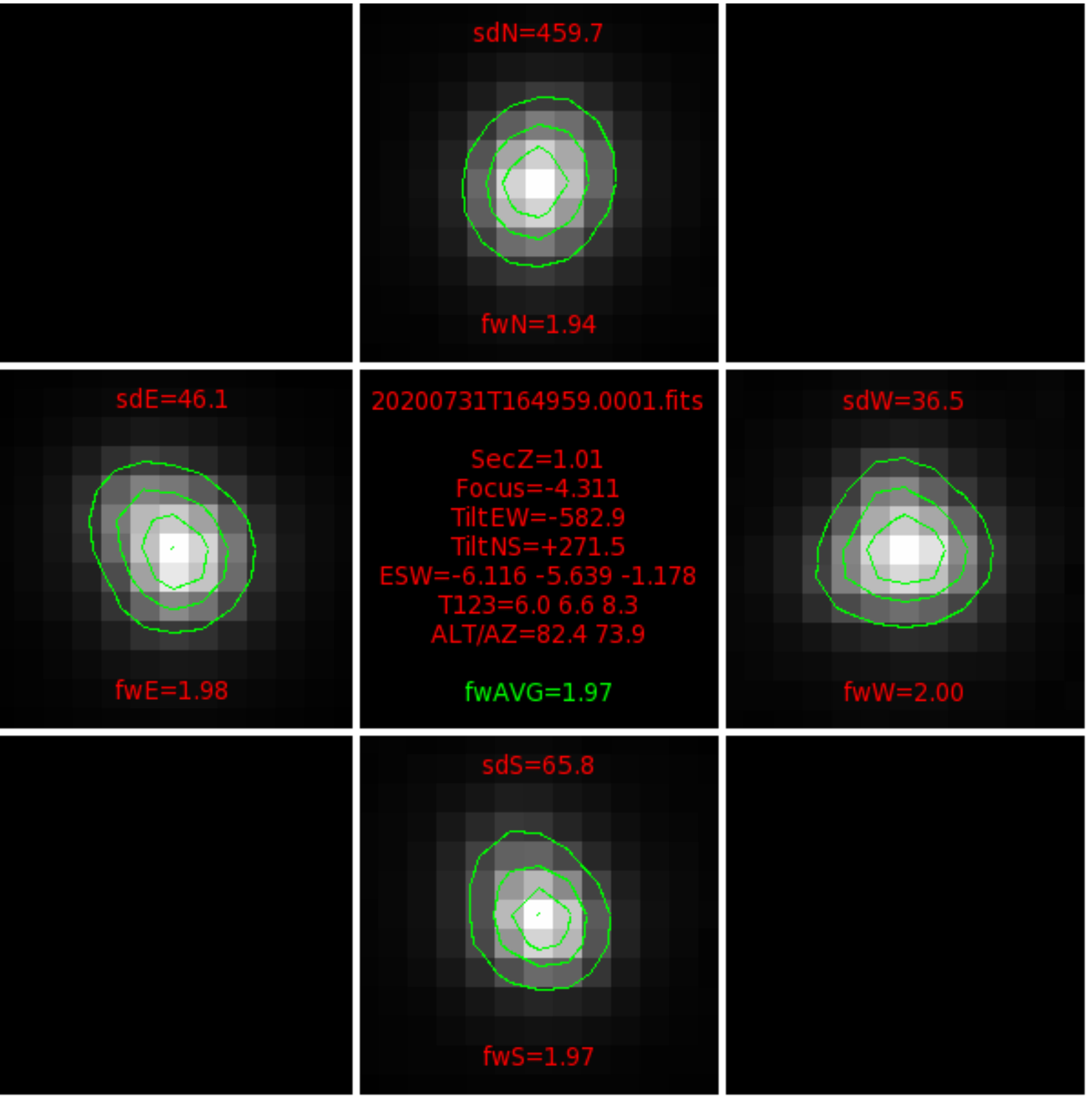
sdN=459.7
fwN=1.94
sdE=46.1
fwE=1.98
20200731T164959.0001.fits
SecZ=1.01
Focus=-4.311
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.116 -5.639 -1.178
T123=6.0 6.6 8.3
ALT/AZ=82.4 73.9
fwAVG=1.97
sdW=36.5
fwW=2.00
sdS=65.8
fwS=1.97
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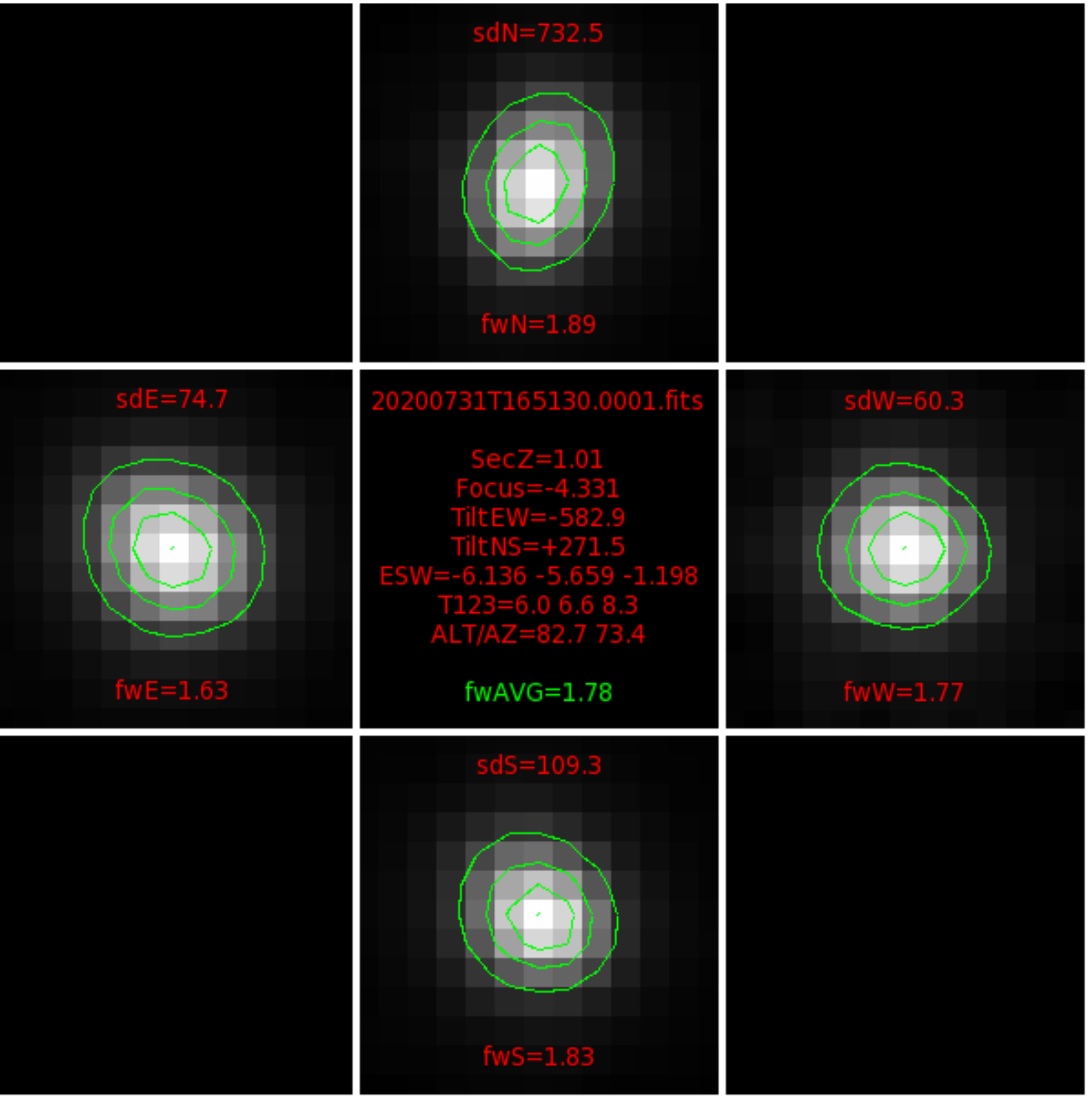
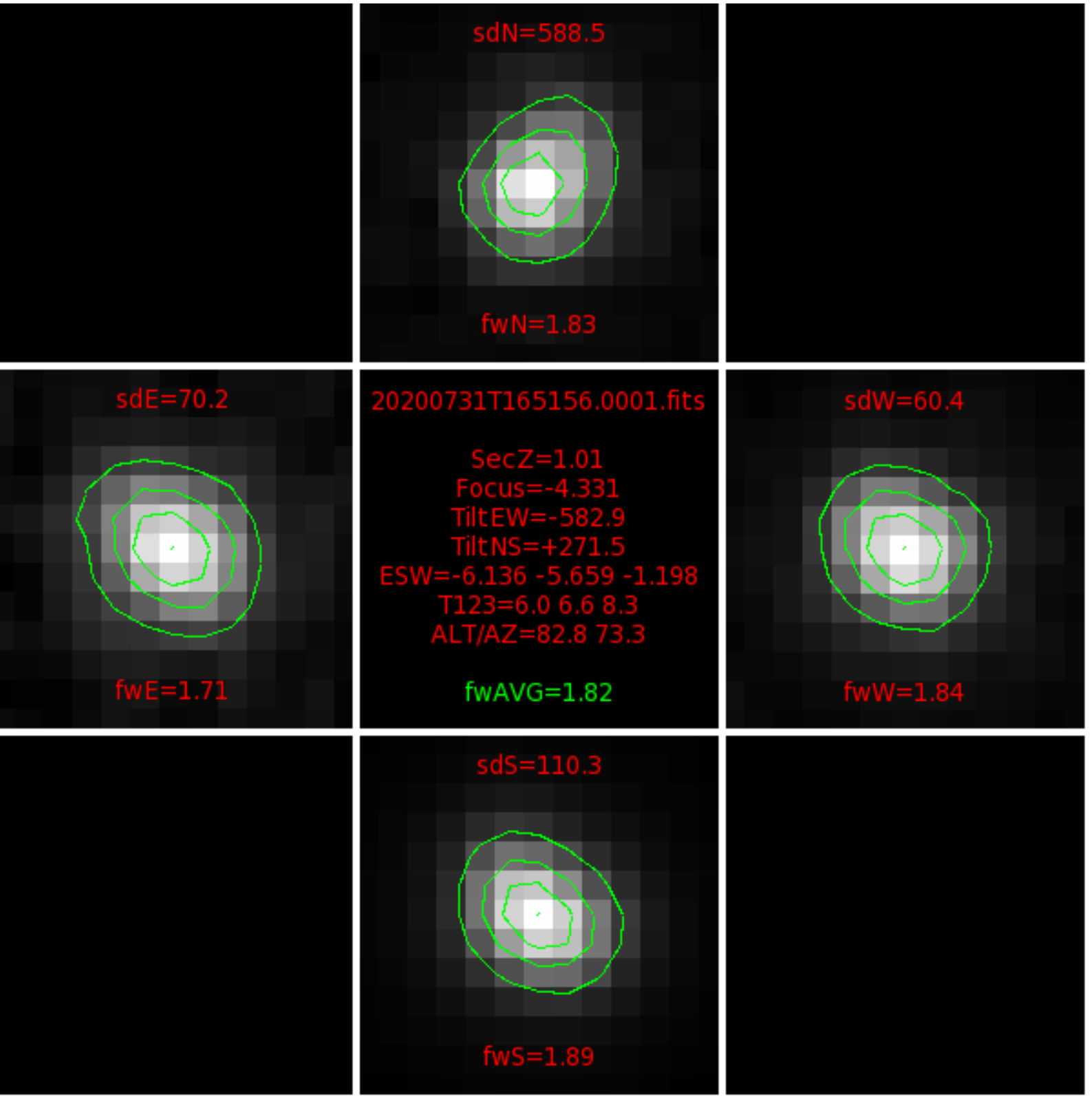
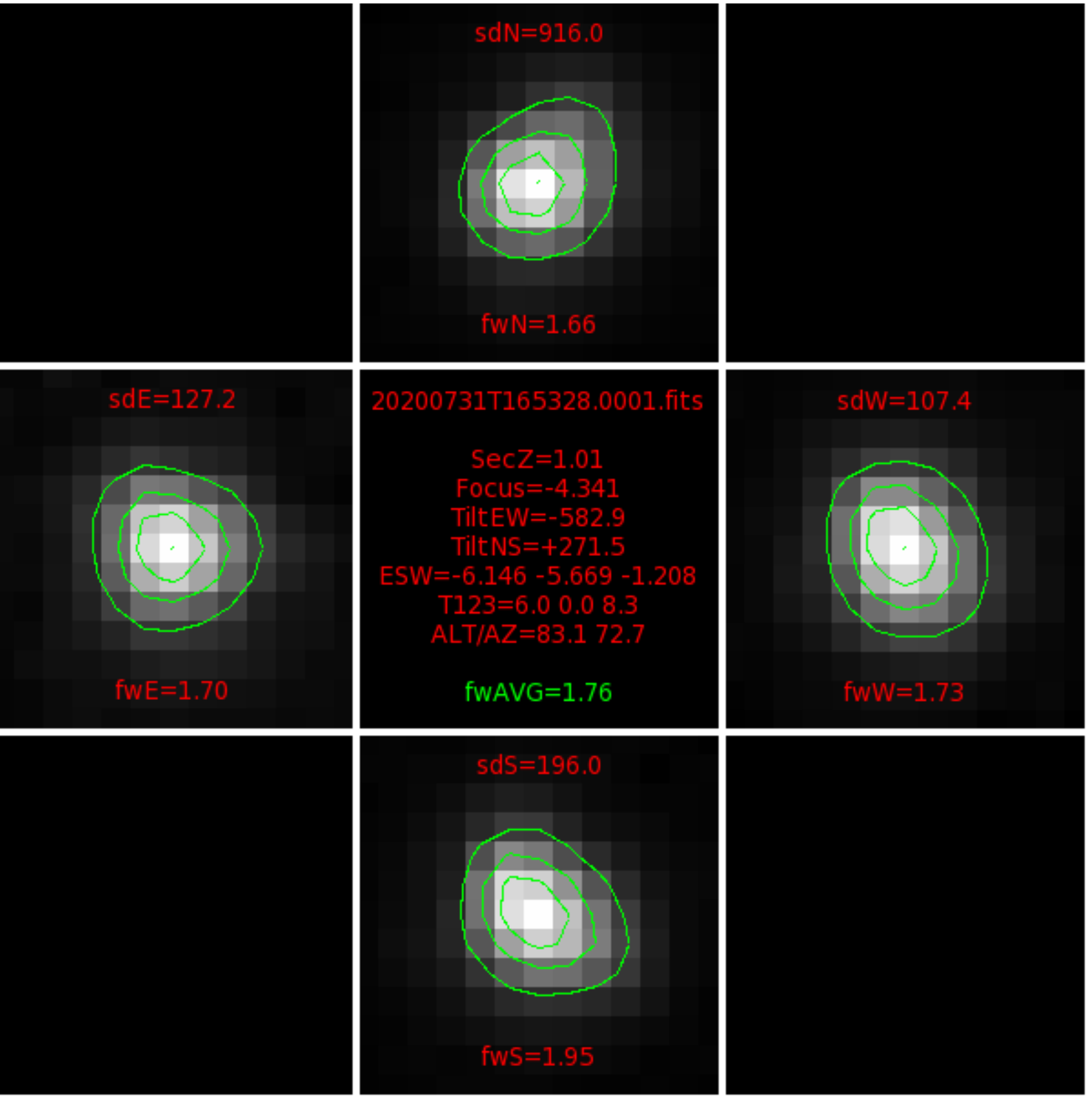
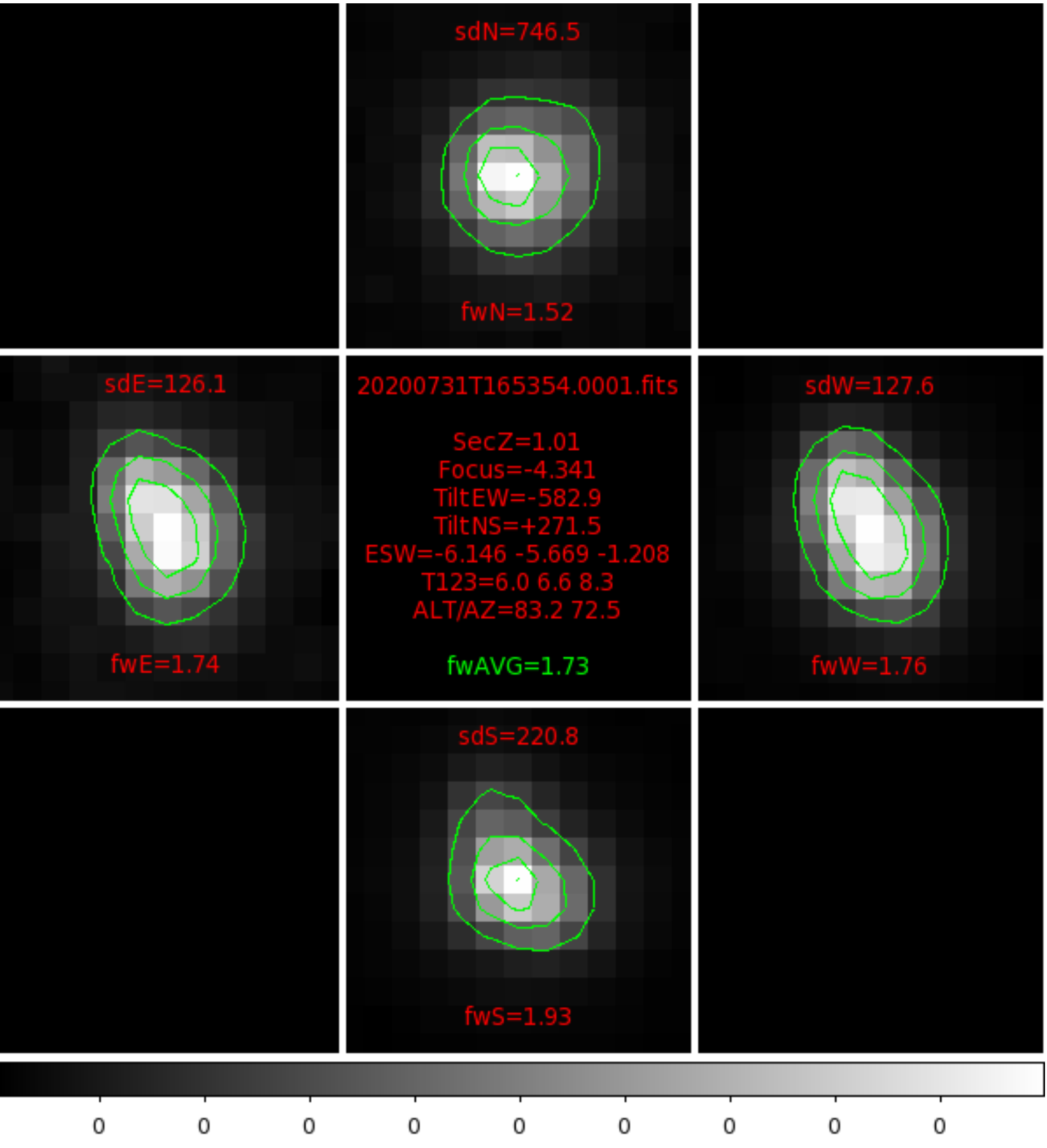

sdN=732.5
fwN=1.89
sdE=74.7
fwE=1.63
20200731T165130.0001.fits
SecZ=1.01
Focus=-4.331
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.136 -5.659 -1.198
T123=6.0 6.6 8.3
ALT/AZ=82.7 73.4
fwAVG=1.78
sdW=60.3
fwW=1.77
sdS=109.3
fwS=1.83
0 0 0 0 0 0 0 0 0


sdN=588.5
fwN=1.83
sdE=70.2
fwE=1.71
20200731T165156.0001.fits
SecZ=1.01
Focus=-4.331
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.136 -5.659 -1.198
T123=6.0 6.6 8.3
ALT/AZ=82.8 73.3
fwAVG=1.82
sdW=60.4
fwW=1.84
sdS=110.3
fwS=1.89
0 0 0 0 0 0 0 0 0


sdN=916.0
fwN=1.66
sdE=127.2
fwE=1.70
20200731T165328.0001.fits
SecZ=1.01
Focus=-4.341
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.146 -5.669 -1.208
T123=6.0 0.0 8.3
ALT/AZ=83.1 72.7
fwAVG=1.76
sdW=107.4
fwW=1.73
sdS=196.0
fwS=1.95
0 0 0 0 0 0 0 0 0


sdN=746.5
fwN=1.52
sdE=126.1
fwE=1.74
20200731T165354.0001.fits
SecZ=1.01
Focus=-4.341
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.146 -5.669 -1.208
T123=6.0 6.6 8.3
ALT/AZ=83.2 72.5
fwAVG=1.73
sdW=127.6
fwW=1.76
sdS=220.8
fwS=1.93
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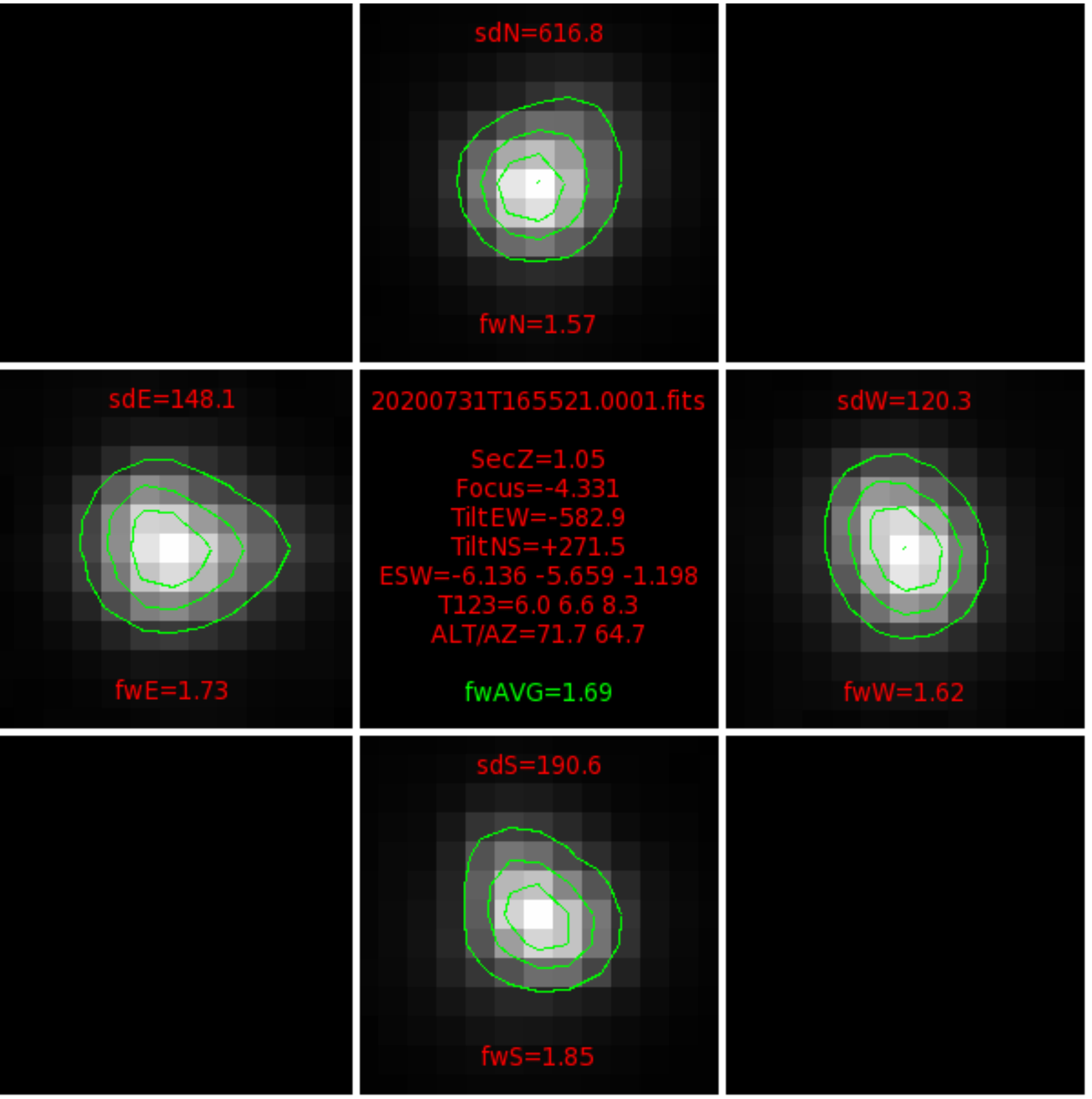
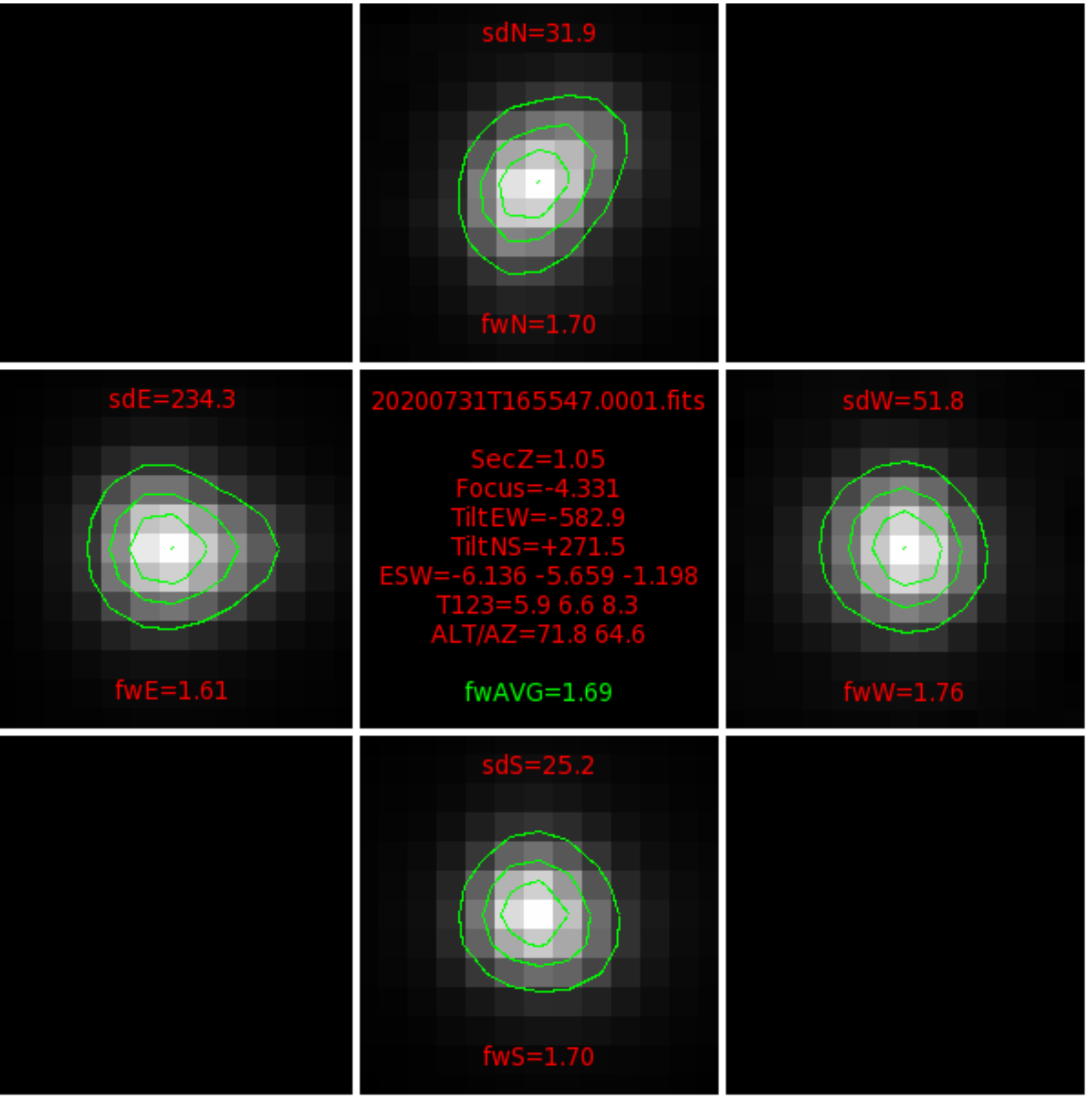
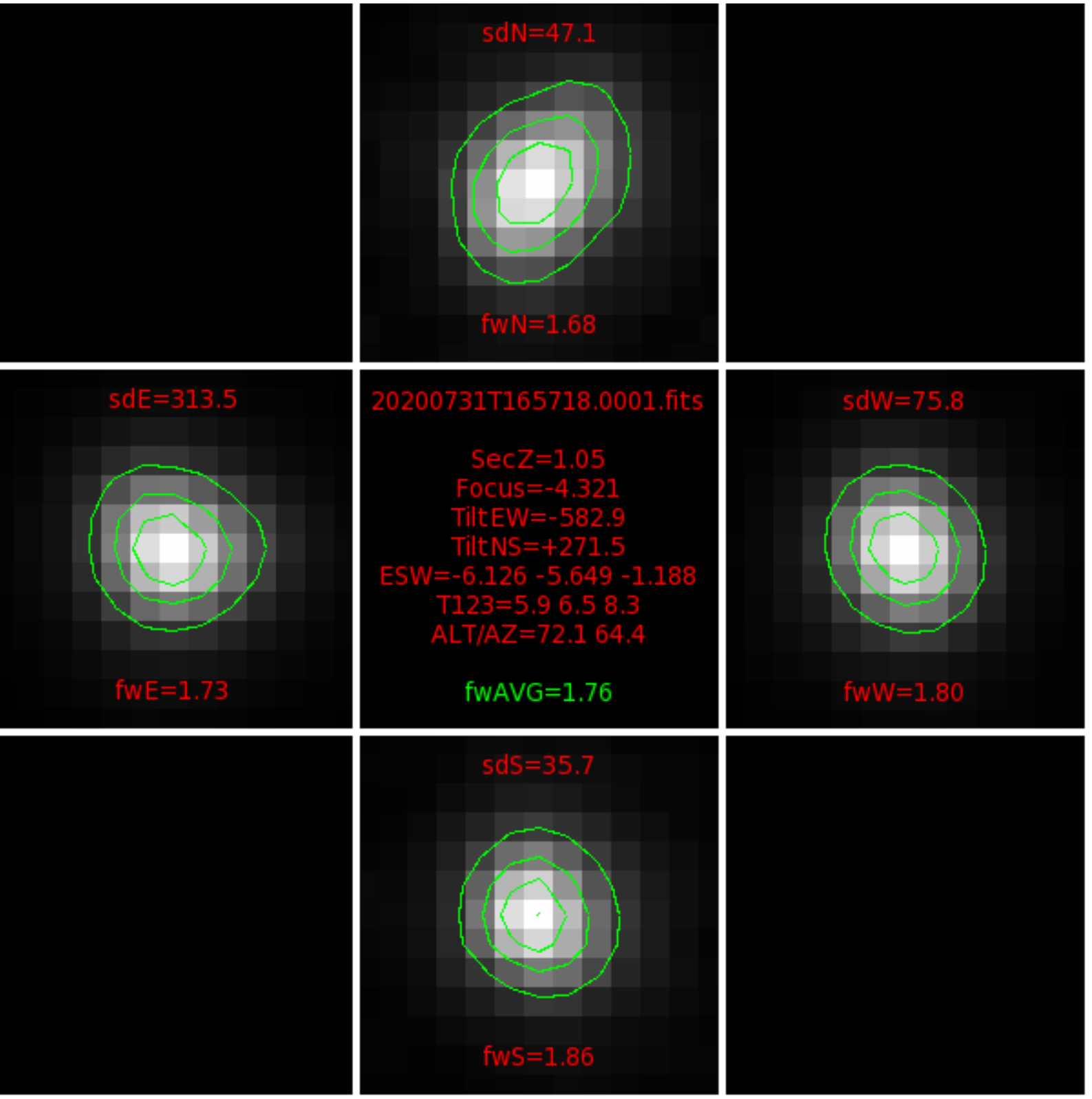

sdN=616.8
fwN=1.57
sdE=148.1
fwE=1.73
20200731T165521.0001.fits
SecZ=1.05
Focus=-4.331
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.136 -5.659 -1.198
T123=6.0 6.6 8.3
ALT/AZ=71.7 64.7
fwAVG=1.69
sdW=120.3
fwW=1.62
sdS=190.6
fwS=1.85
0 0 0 0 0 0 0 0 0


sdN=31.9
fwN=1.70
sdE=234.3
fwE=1.61
20200731T165547.0001.fits
SecZ=1.05
Focus=-4.331
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.136 -5.659 -1.198
T123=5.9 6.6 8.3
ALT/AZ=71.8 64.6
fwAVG=1.69
sdW=51.8
fwW=1.76
sdS=25.2
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=47.1
fwN=1.68
sdE=313.5
fwE=1.73
20200731T165718.0001.fits
SecZ=1.05
Focus=-4.321
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.126 -5.649 -1.188
T123=5.9 6.5 8.3
ALT/AZ=72.1 64.4
fwAVG=1.76
sdW=75.8
fwW=1.80
sdS=35.7
fwS=1.86
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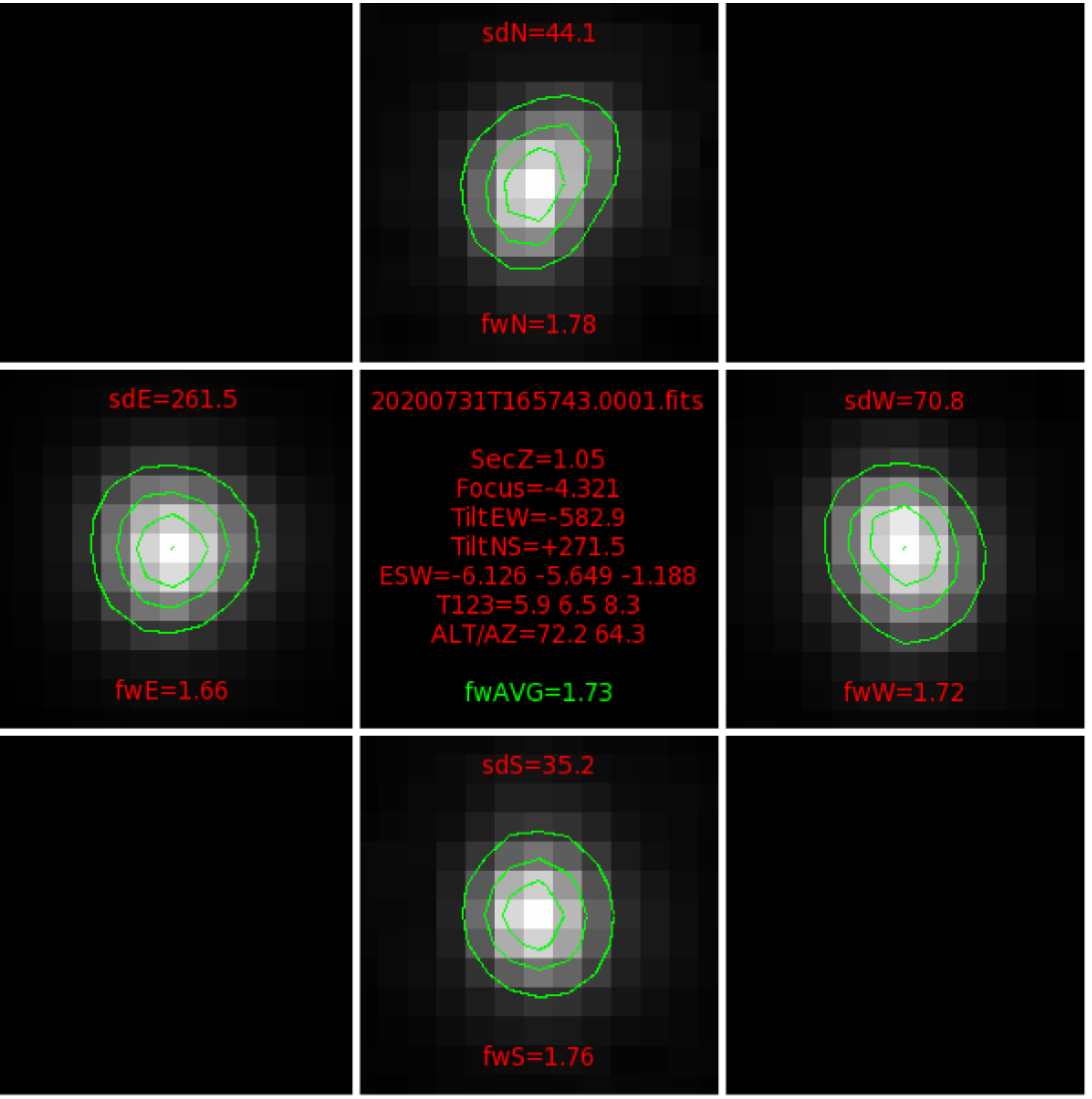
sdN=44.1
fwN=1.78
sdE=261.5
fwE=1.66
20200731T165743.0001.fits
SecZ=1.05
Focus=-4.321
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.126 -5.649 -1.188
T123=5.9 6.5 8.3
ALT/AZ=72.2 64.3
fwAVG=1.73
sdW=70.8
fwW=1.72
sdS=35.2
fwS=1.76
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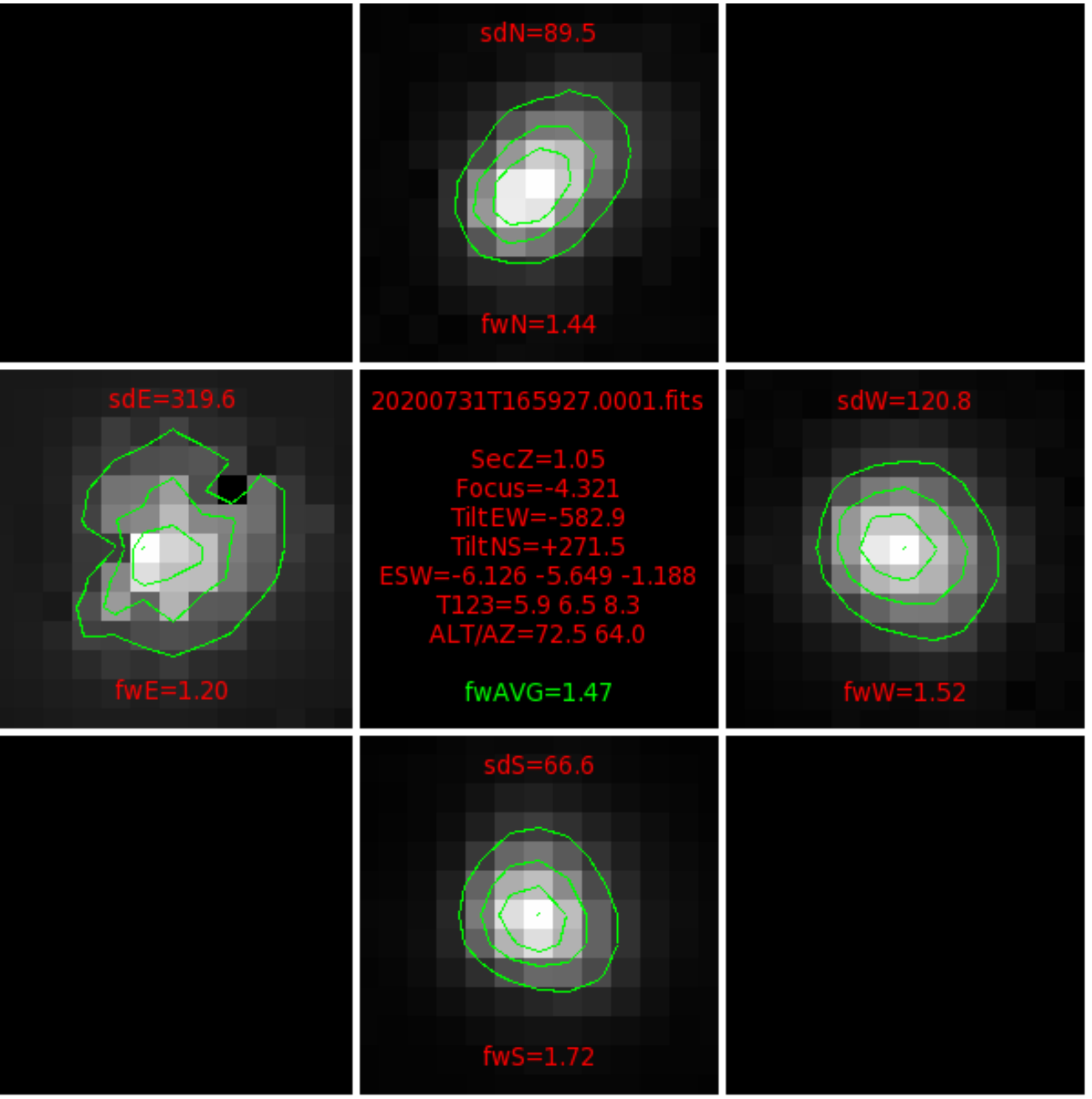
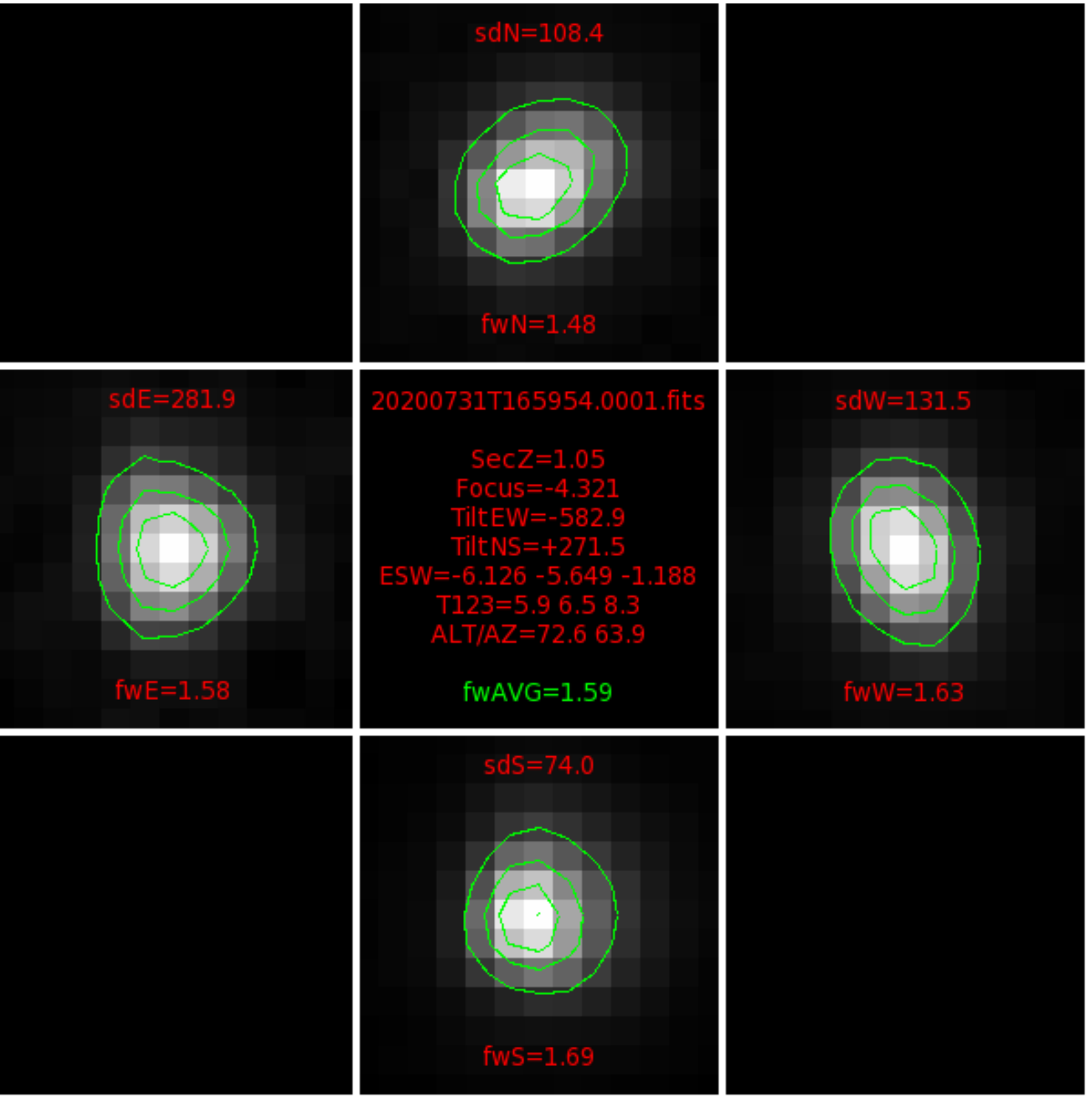

sdN=89.5
fwN=1.44
sdE=319.6
fwE=1.20
20200731T165927.0001.fits
SecZ=1.05
Focus=-4.321
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.126 -5.649 -1.188
T123=5.9 6.5 8.3
ALT/AZ=72.5 64.0
fwAVG=1.47
sdW=120.8
fwW=1.52
sdS=66.6
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=108.4
fwN=1.48
sdE=281.9
fwE=1.58
20200731T165954.0001.fits
SecZ=1.05
Focus=-4.321
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.126 -5.649 -1.188
T123=5.9 6.5 8.3
ALT/AZ=72.6 63.9
fwAVG=1.59
sdW=131.5
fwW=1.63
sdS=74.0
fwS=1.69
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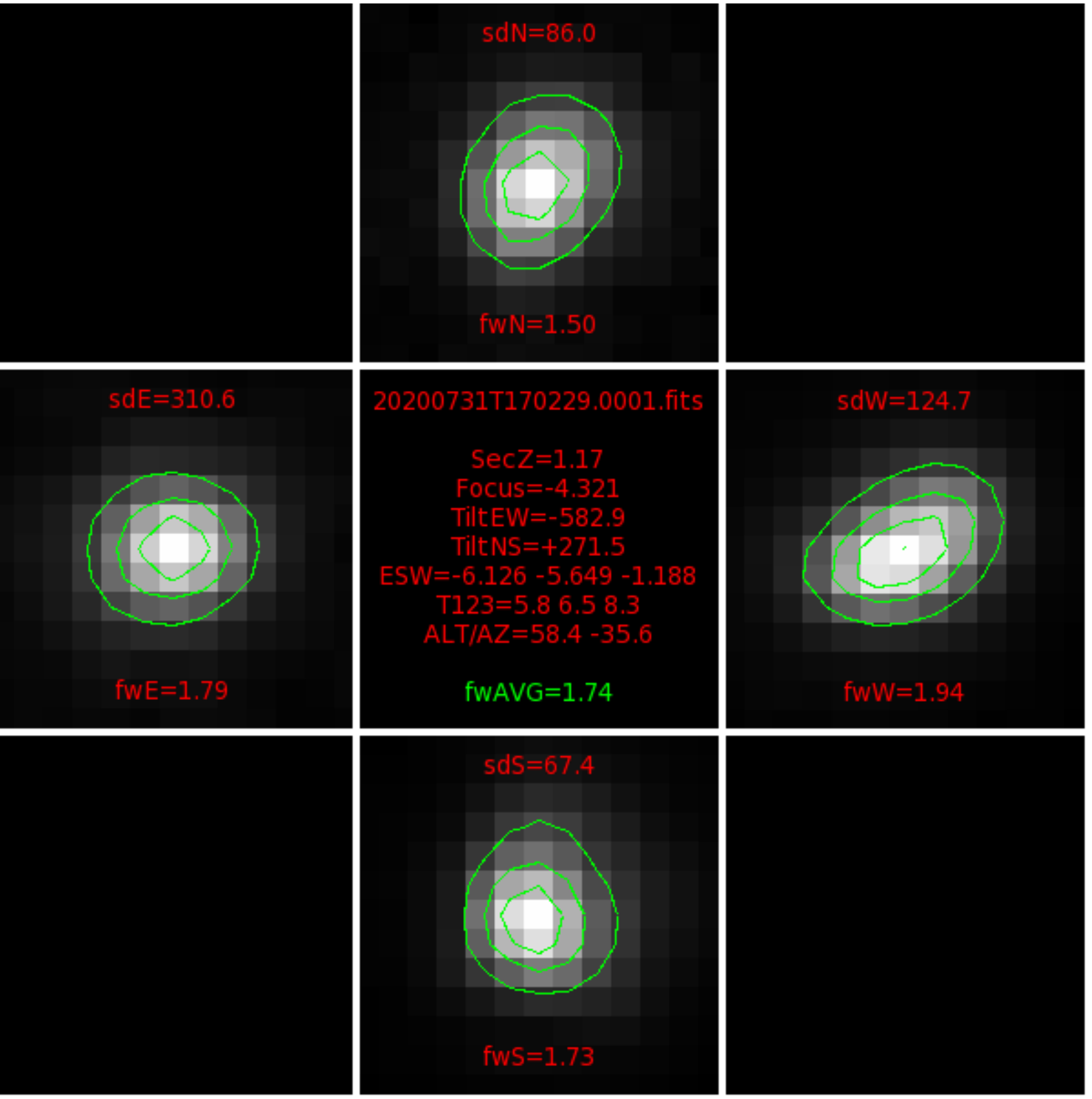
sdN=86.0
fwN=1.50
sdE=310.6
fwE=1.79
20200731T170229.0001.fits
SecZ=1.17
Focus=-4.321
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.126 -5.649 -1.188
T123=5.8 6.5 8.3
ALT/AZ=58.4 -35.6
fwAVG=1.74
sdW=124.7
fwW=1.94
sdS=67.4
fwS=1.73
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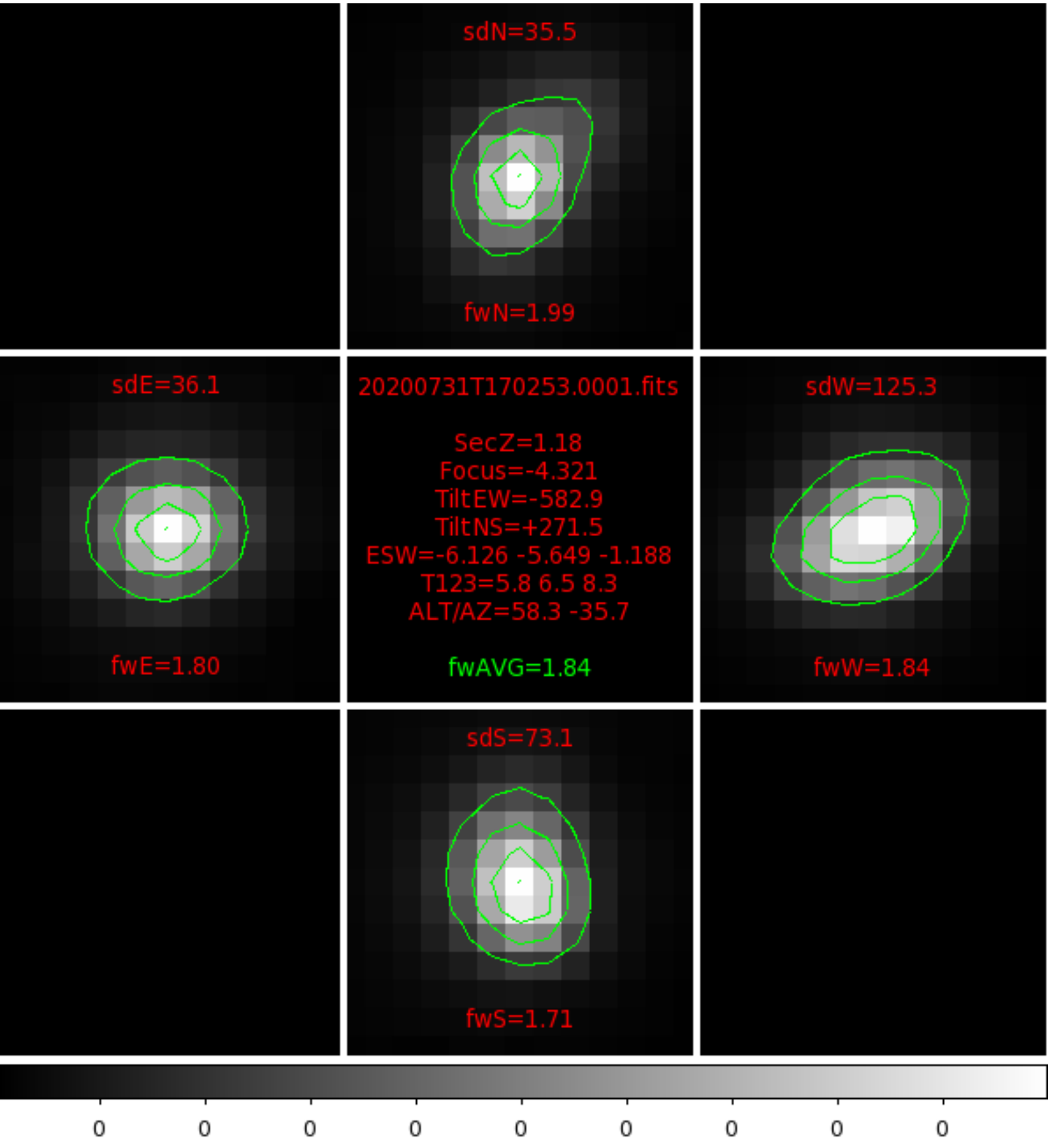
sdN=35.5
fwN=1.99
sdE=36.1
fwE=1.80
20200731T170253.0001.fits
SecZ=1.18
Focus=-4.321
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.126 -5.649 -1.188
T123=5.8 6.5 8.3
ALT/AZ=58.3 -35.7
fwAVG=1.84
sdW=125.3
fwW=1.84
sdS=73.1
fwS=1.71
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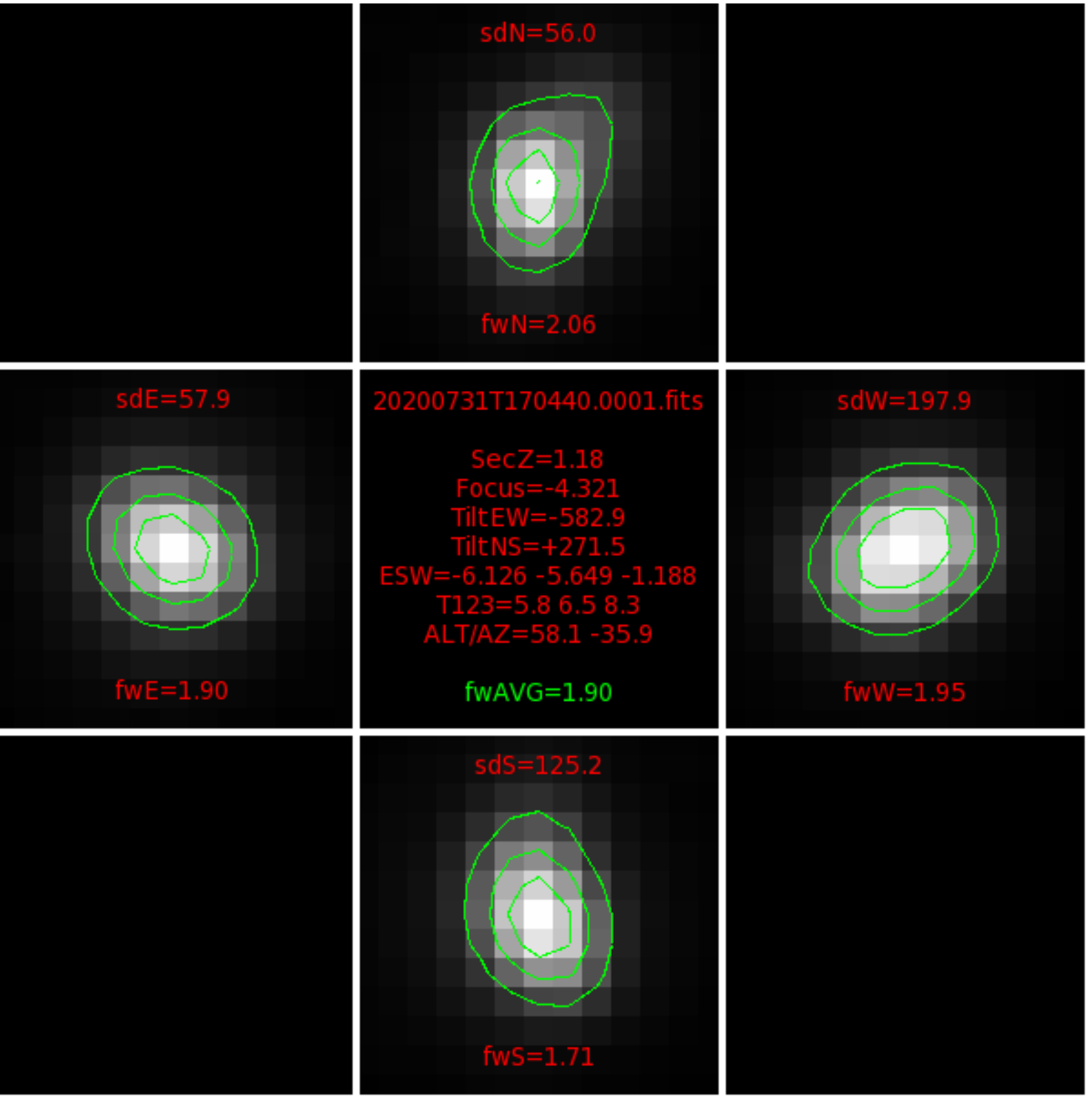
sdN=56.0
fwN=2.06
sdE=57.9
fwE=1.90
20200731T170440.0001.fits
SecZ=1.18
Focus=-4.321
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.126 -5.649 -1.188
T123=5.8 6.5 8.3
ALT/AZ=58.1 -35.9
fwAVG=1.90
sdW=197.9
fwW=1.95
sdS=125.2
fwS=1.71
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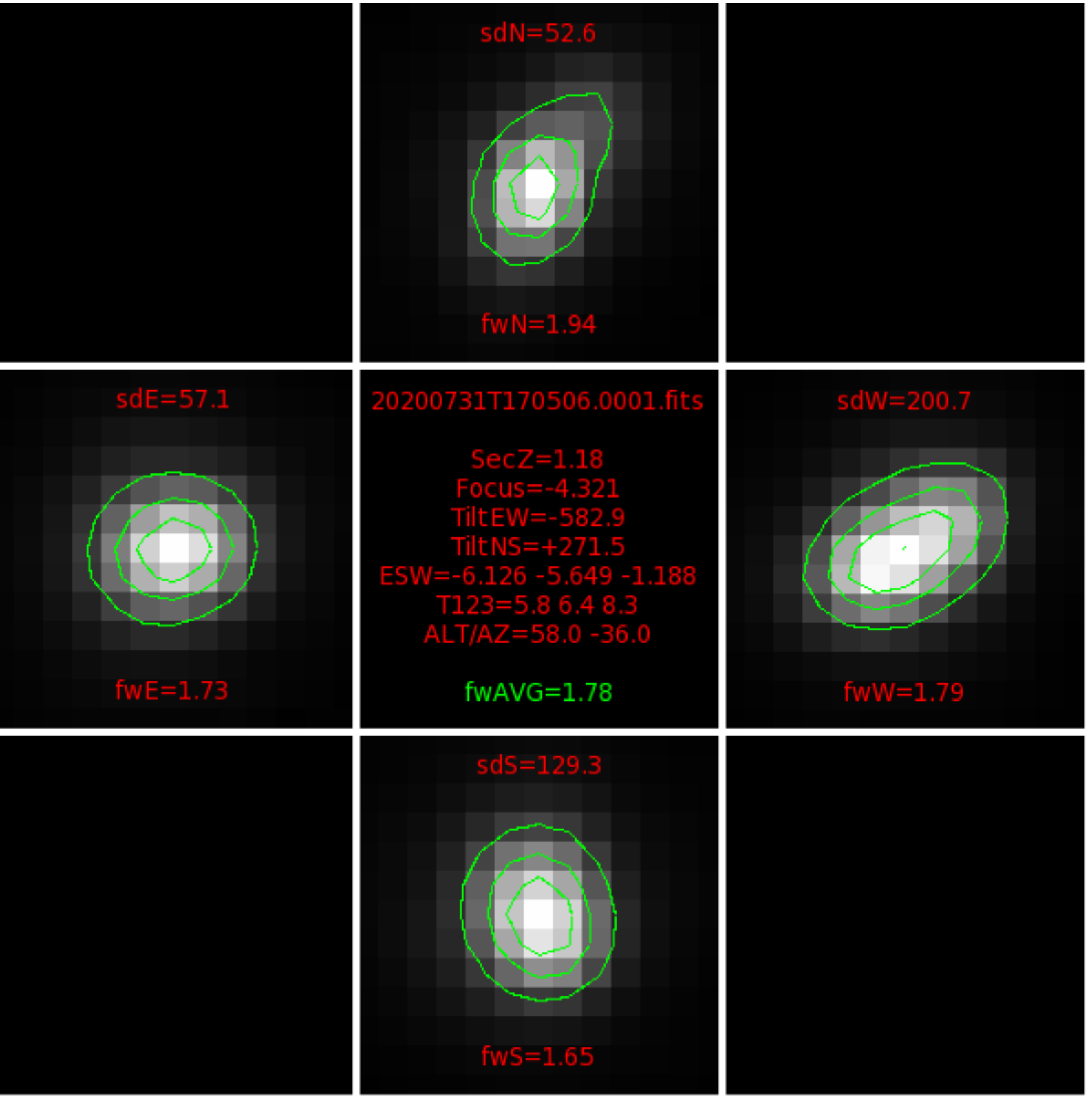
sdN=52.6
fwN=1.94
sdE=57.1
fwE=1.73
20200731T170506.0001.fits
SecZ=1.18
Focus=-4.321
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.126 -5.649 -1.188
T123=5.8 6.4 8.3
ALT/AZ=58.0 -36.0
fwAVG=1.78
sdW=200.7
fwW=1.79
sdS=129.3
fwS=1.65
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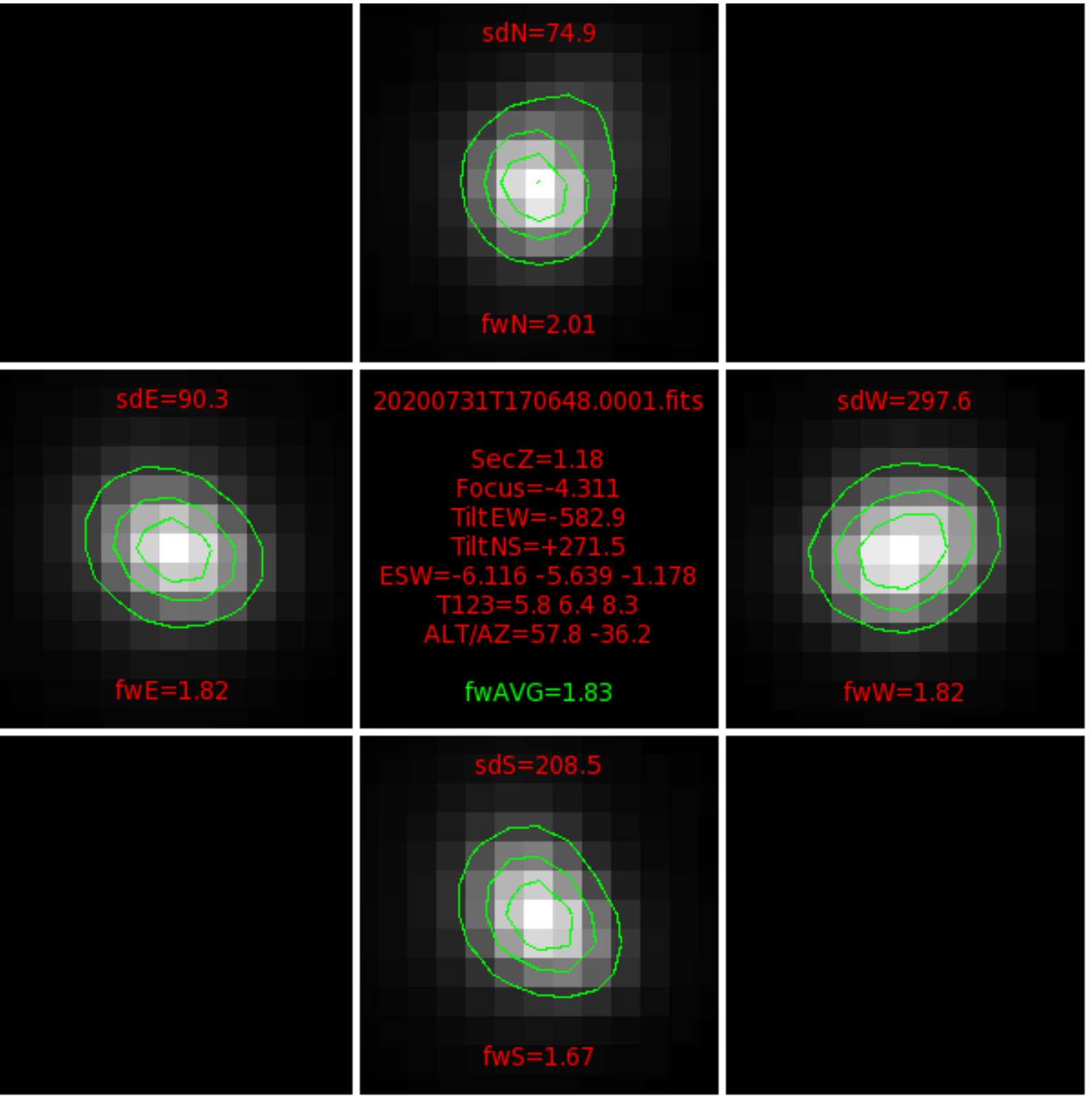
sdN=74.9
fwN=2.01
sdE=90.3
fwE=1.82
20200731T170648.0001.fits
SecZ=1.18
Focus=-4.311
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.116 -5.639 -1.178
T123=5.8 6.4 8.3
ALT/AZ=57.8 -36.2
fwAVG=1.83
sdW=297.6
fwW=1.82
sdS=208.5
fwS=1.67
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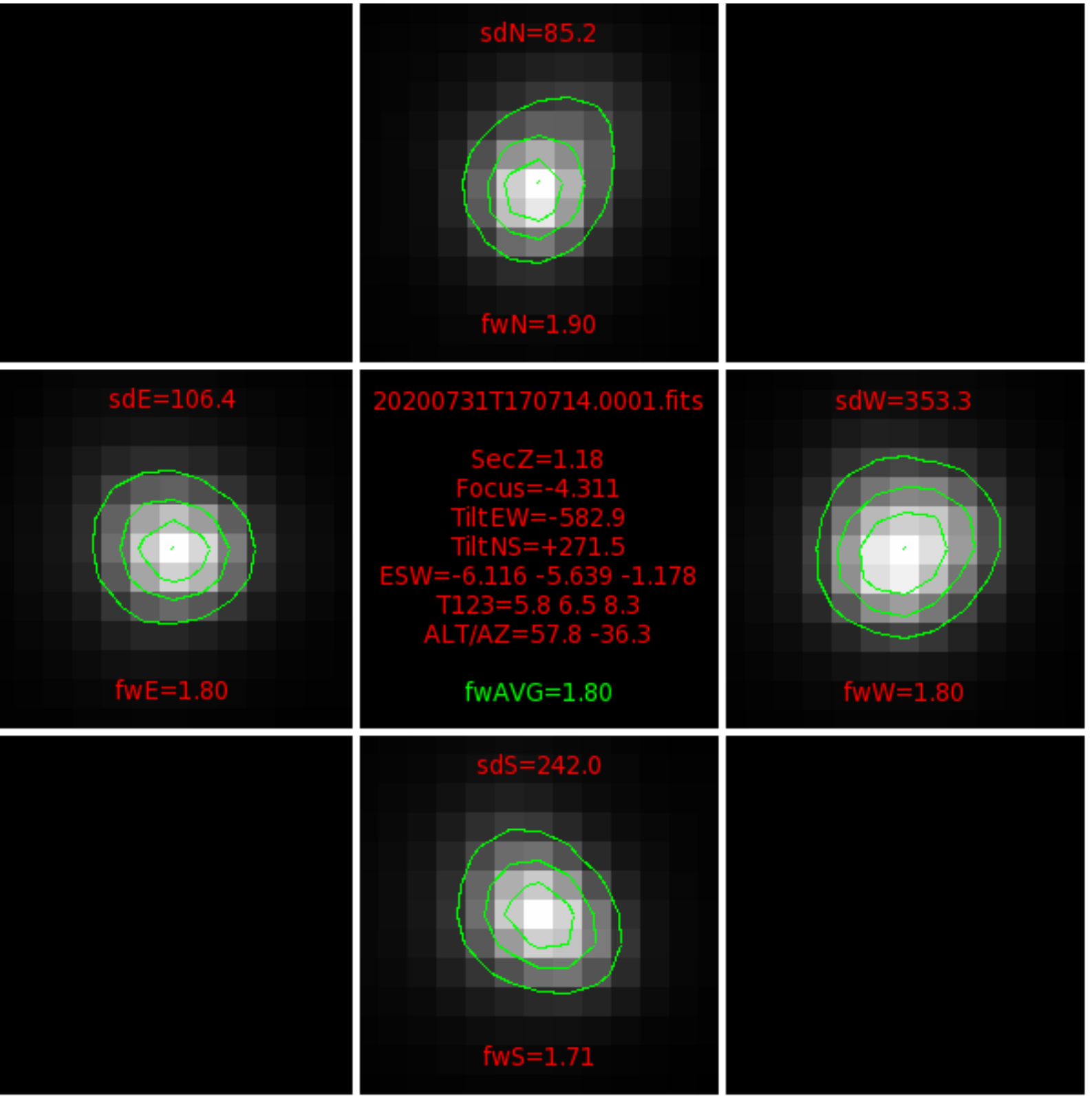
sdN=85.2
fwN=1.90
sdE=106.4
fwE=1.80
20200731T170714.0001.fits
SecZ=1.18
Focus=-4.311
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.116 -5.639 -1.178
T123=5.8 6.5 8.3
ALT/AZ=57.8 -36.3
fwAVG=1.80
sdW=353.3
fwW=1.80
sdS=242.0
fwS=1.71
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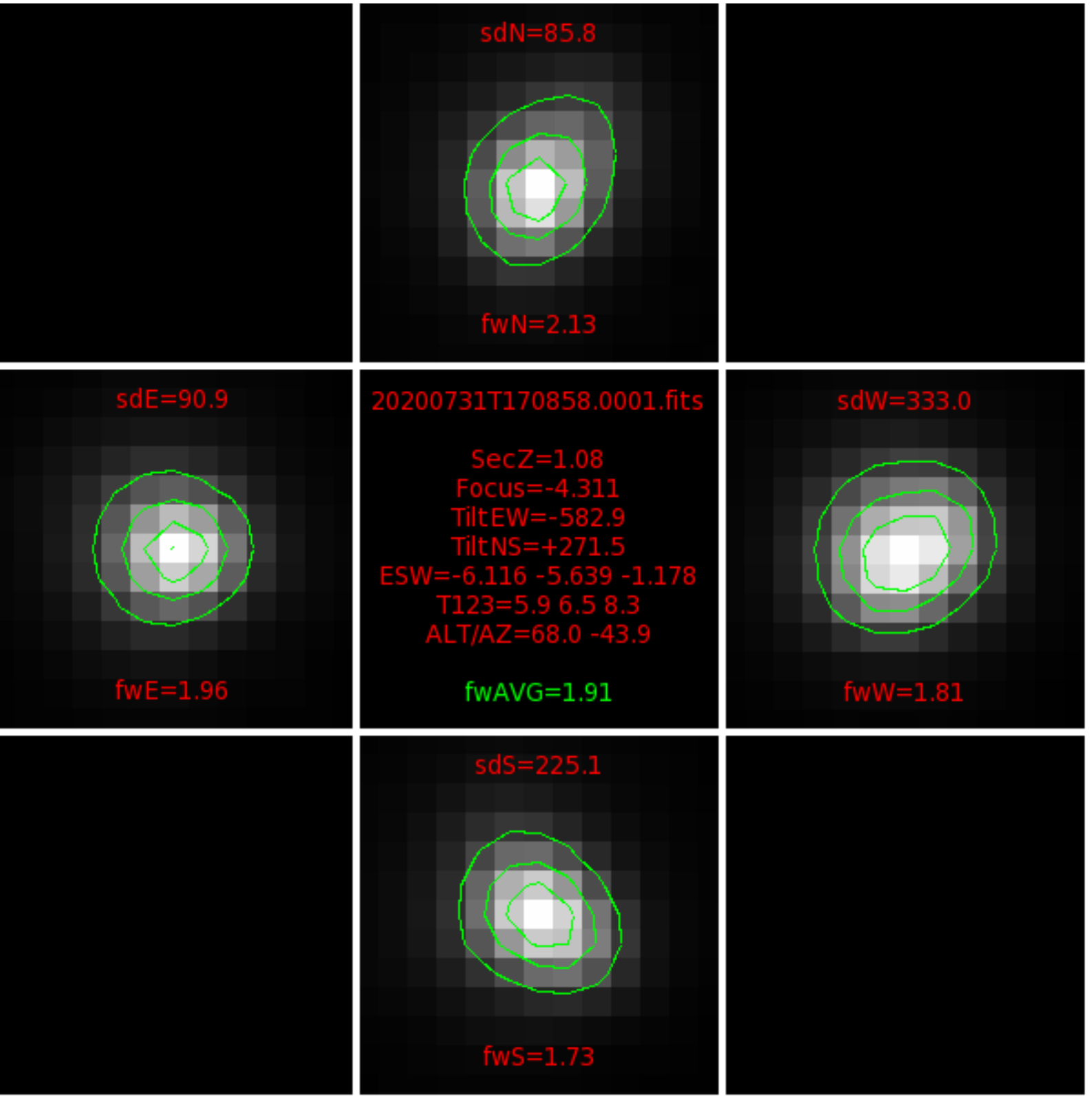
sdN=85.8
fwN=2.13
sdE=90.9
fwE=1.96
20200731T170858.0001.fits
SecZ=1.08
Focus=-4.311
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.116 -5.639 -1.178
T123=5.9 6.5 8.3
ALT/AZ=68.0 -43.9
fwAVG=1.91
sdW=333.0
fwW=1.81
sdS=225.1
fwS=1.73
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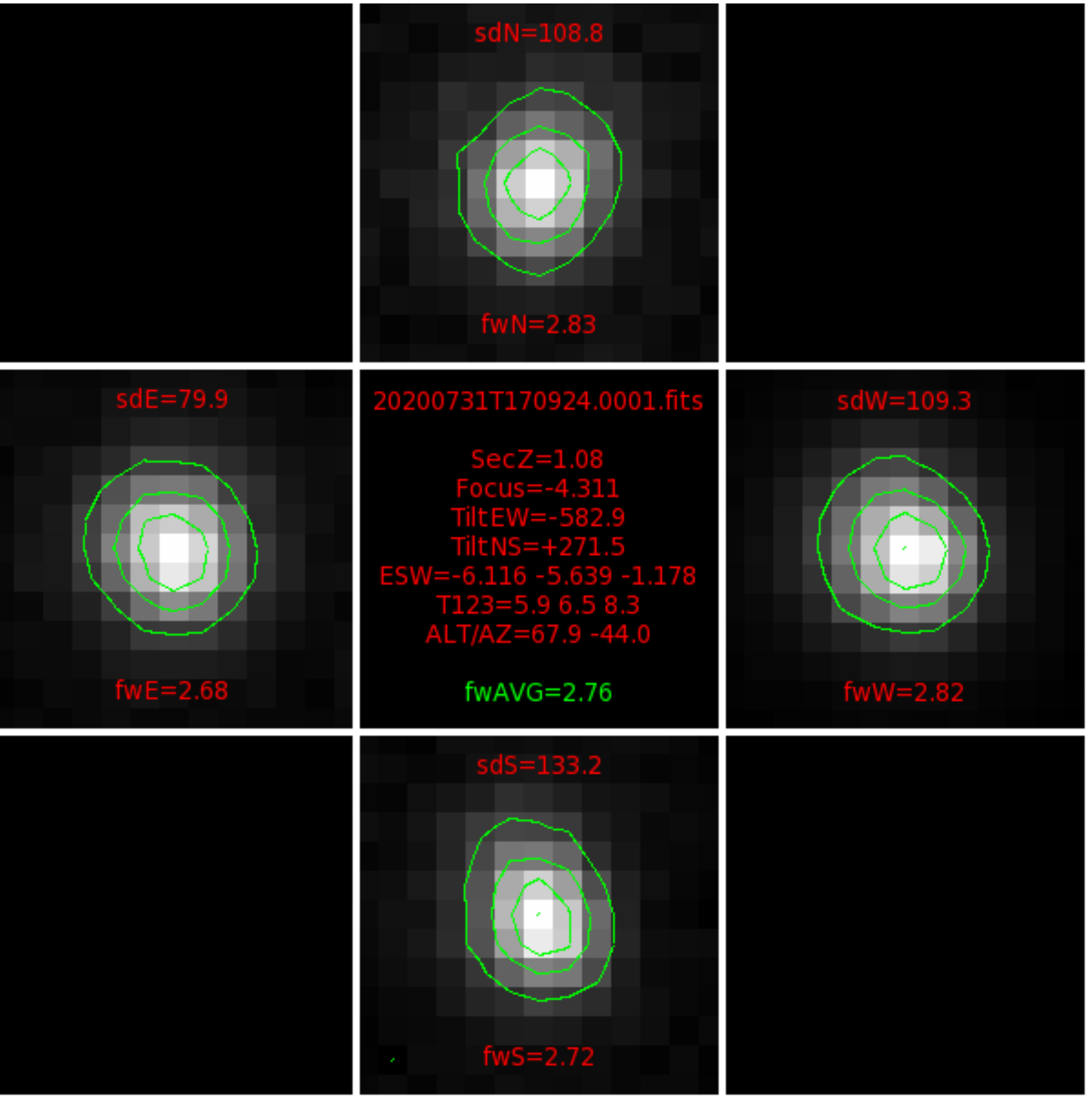
sdN=108.8
fwN=2.83
sdE=79.9
fwE=2.68
20200731T170924.0001.fits
SecZ=1.08
Focus=-4.311
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.116 -5.639 -1.178
T123=5.9 6.5 8.3
ALT/AZ=67.9 -44.0
fwAVG=2.76
sdW=109.3
fwW=2.82
sdS=133.2
fwS=2.72
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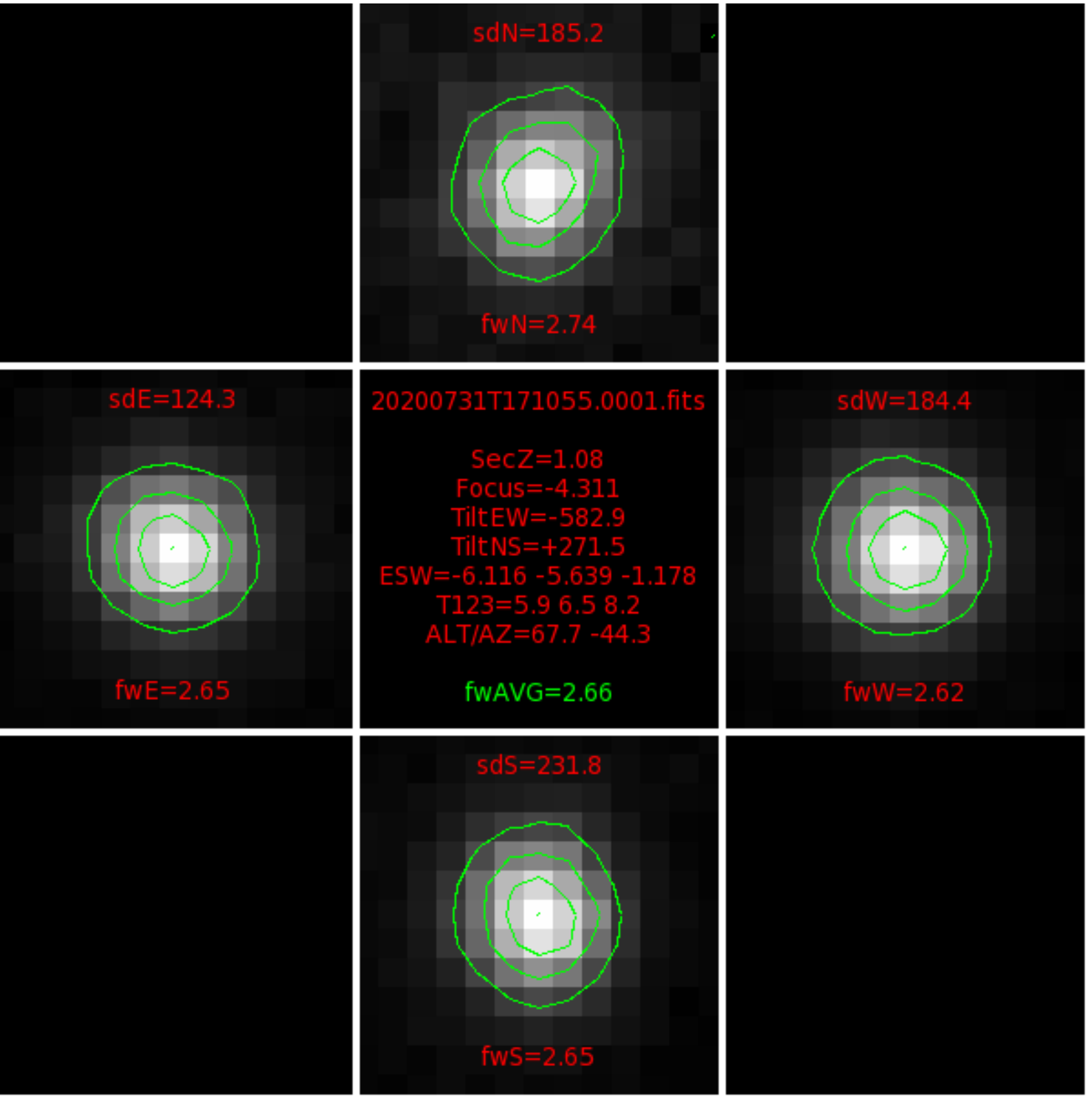
sdN=185.2
fwN=2.74
sdE=124.3
fwE=2.65
20200731T171055.0001.fits
SecZ=1.08
Focus=-4.311
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.116 -5.639 -1.178
T123=5.9 6.5 8.2
ALT/AZ=67.7 -44.3
fwAVG=2.66
sdW=184.4
fwW=2.62
sdS=231.8
fwS=2.65
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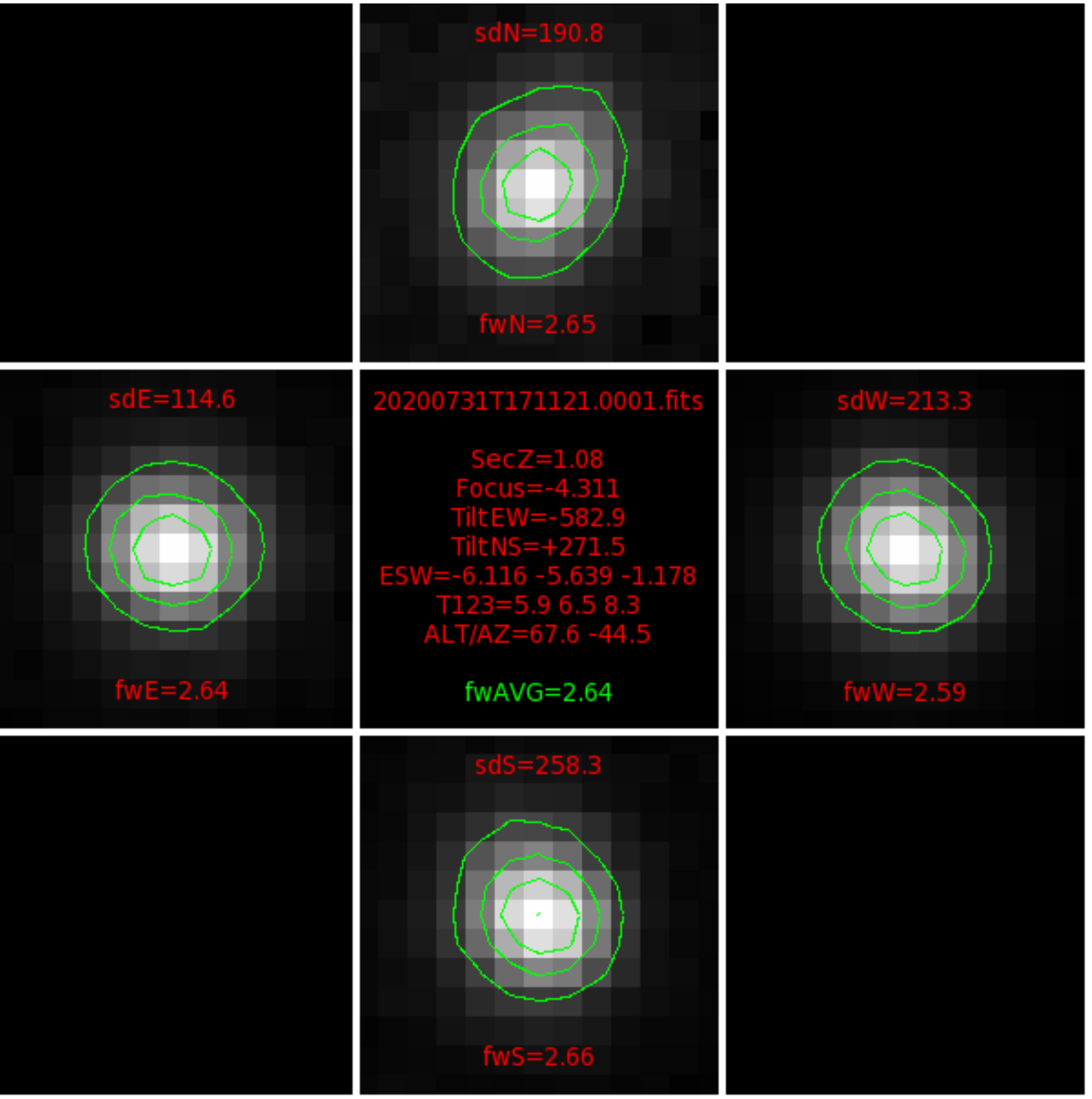
sdN=190.8
fwN=2.65
sdE=114.6
fwE=2.64
20200731T171121.0001.fits
SecZ=1.08
Focus=-4.311
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.116 -5.639 -1.178
T123=5.9 6.5 8.3
ALT/AZ=67.6 -44.5
fwAVG=2.64
sdW=213.3
fwW=2.59
sdS=258.3
fwS=2.66
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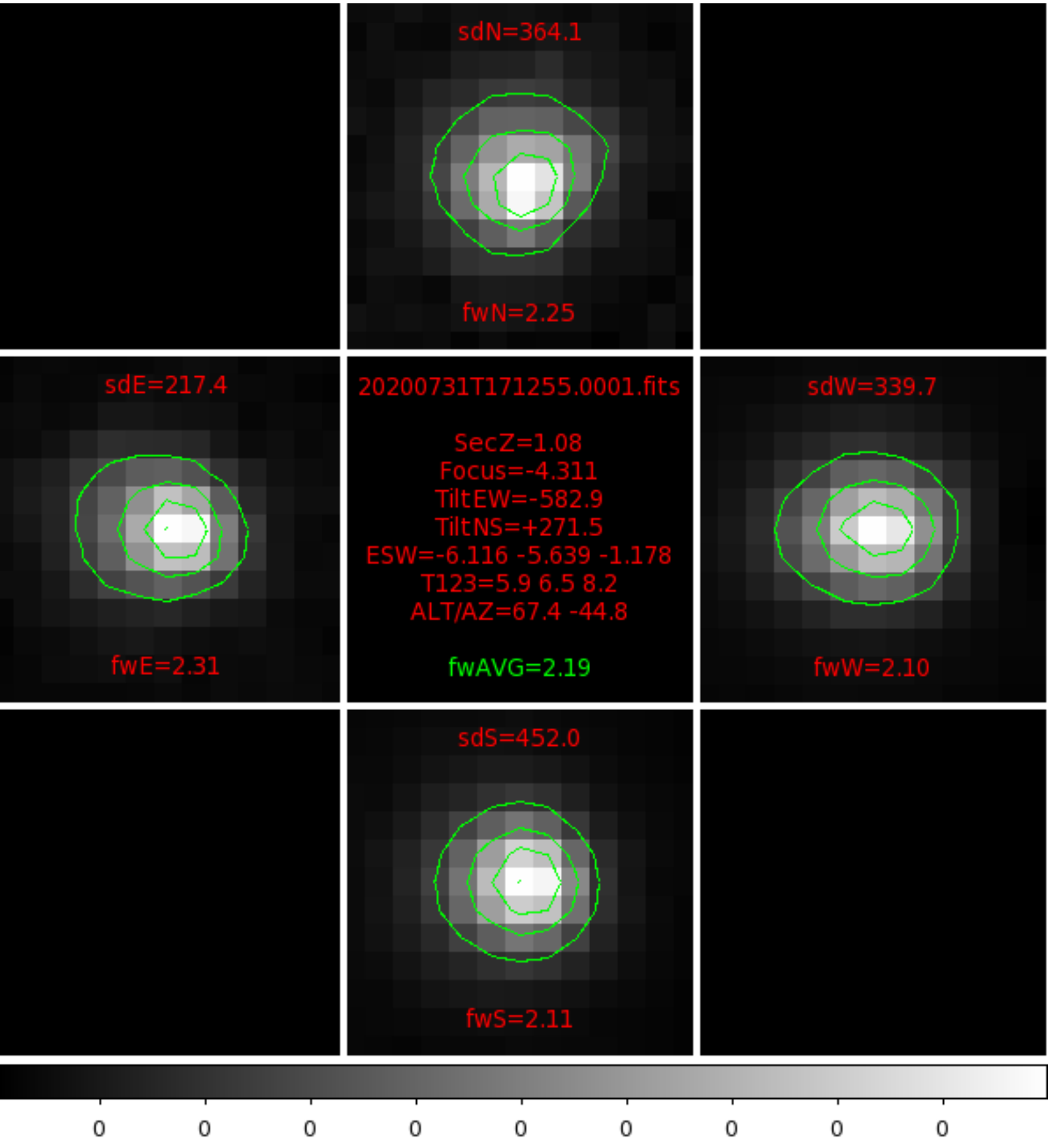
sdN=364.1
fwN=2.25
sdE=217.4
fwE=2.31
20200731T171255.0001.fits
SecZ=1.08
Focus=-4.311
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.116 -5.639 -1.178
T123=5.9 6.5 8.2
ALT/AZ=67.4 -44.8
fwAVG=2.19
sdW=339.7
fwW=2.10
sdS=452.0
fwS=2.11
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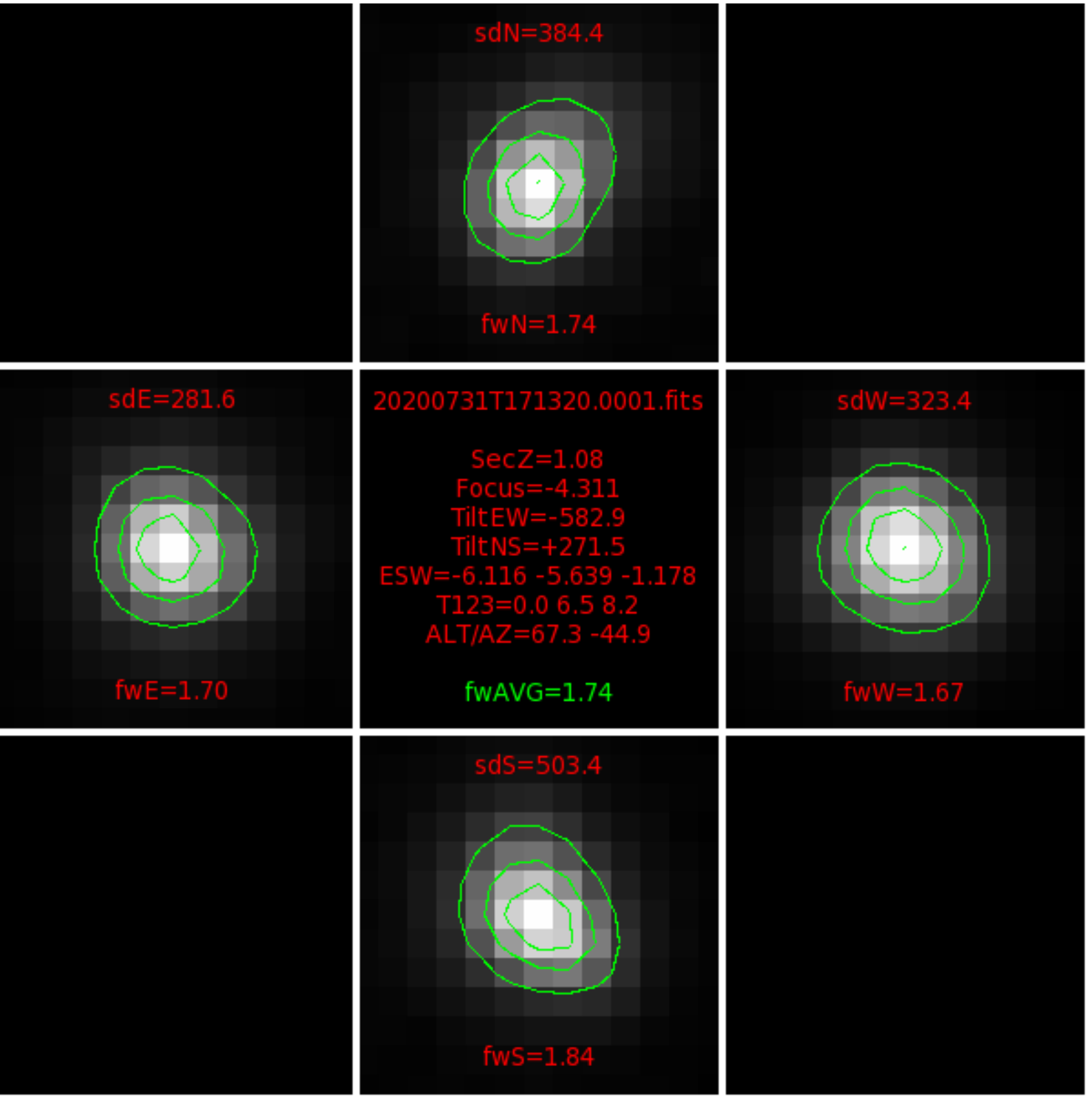
sdN=384.4
fwN=1.74
sdE=281.6
fwE=1.70
20200731T171320.0001.fits
SecZ=1.08
Focus=-4.311
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.116 -5.639 -1.178
T123=0.0 6.5 8.2
ALT/AZ=67.3 -44.9
fwAVG=1.74
sdW=323.4
fwW=1.67
sdS=503.4
fwS=1.84
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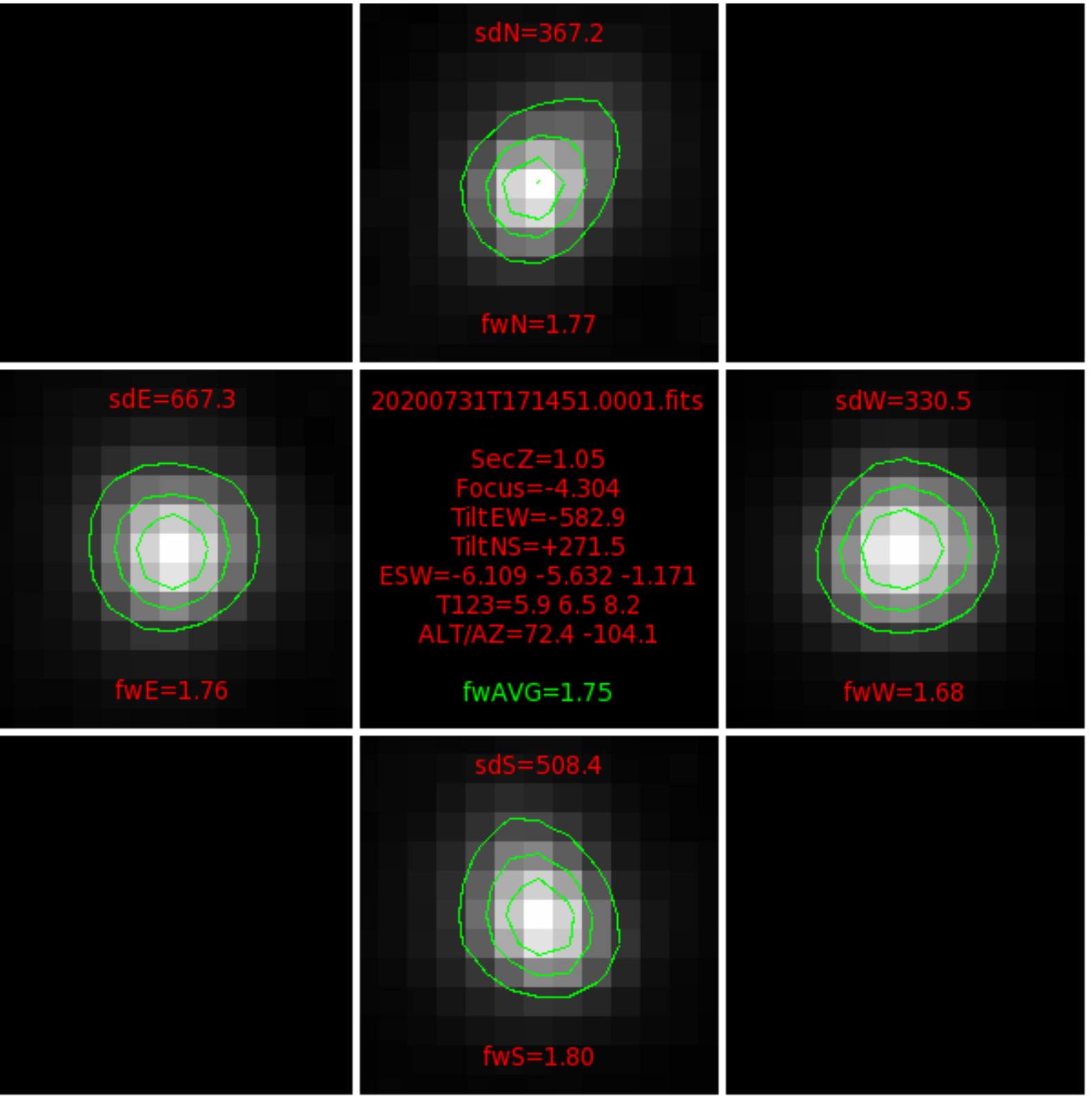
sdN=367.2
fwN=1.77
sdE=667.3
fwE=1.76
20200731T171451.0001.fits
SecZ=1.05
Focus=-4.304
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.109 -5.632 -1.171
T123=5.9 6.5 8.2
ALT/AZ=72.4 -104.1
fwAVG=1.75
sdW=330.5
fwW=1.68
sdS=508.4
fwS=1.80
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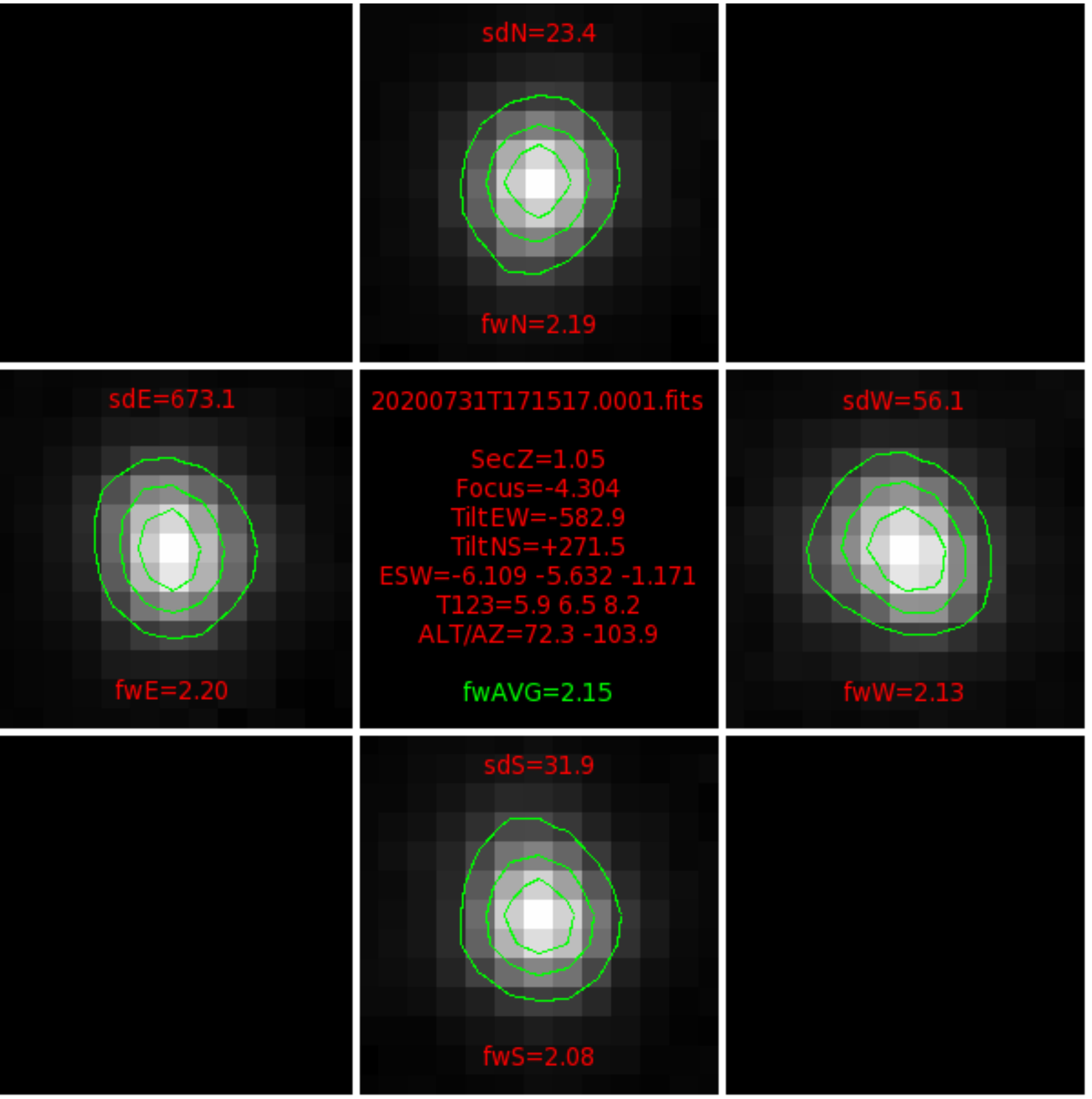
sdN=23.4
fwN=2.19
sdE=673.1
fwE=2.20
20200731T171517.0001.fits
SecZ=1.05
Focus=-4.304
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.109 -5.632 -1.171
T123=5.9 6.5 8.2
ALT/AZ=72.3 -103.9
fwAVG=2.15
sdW=56.1
fwW=2.13
sdS=31.9
fwS=2.08
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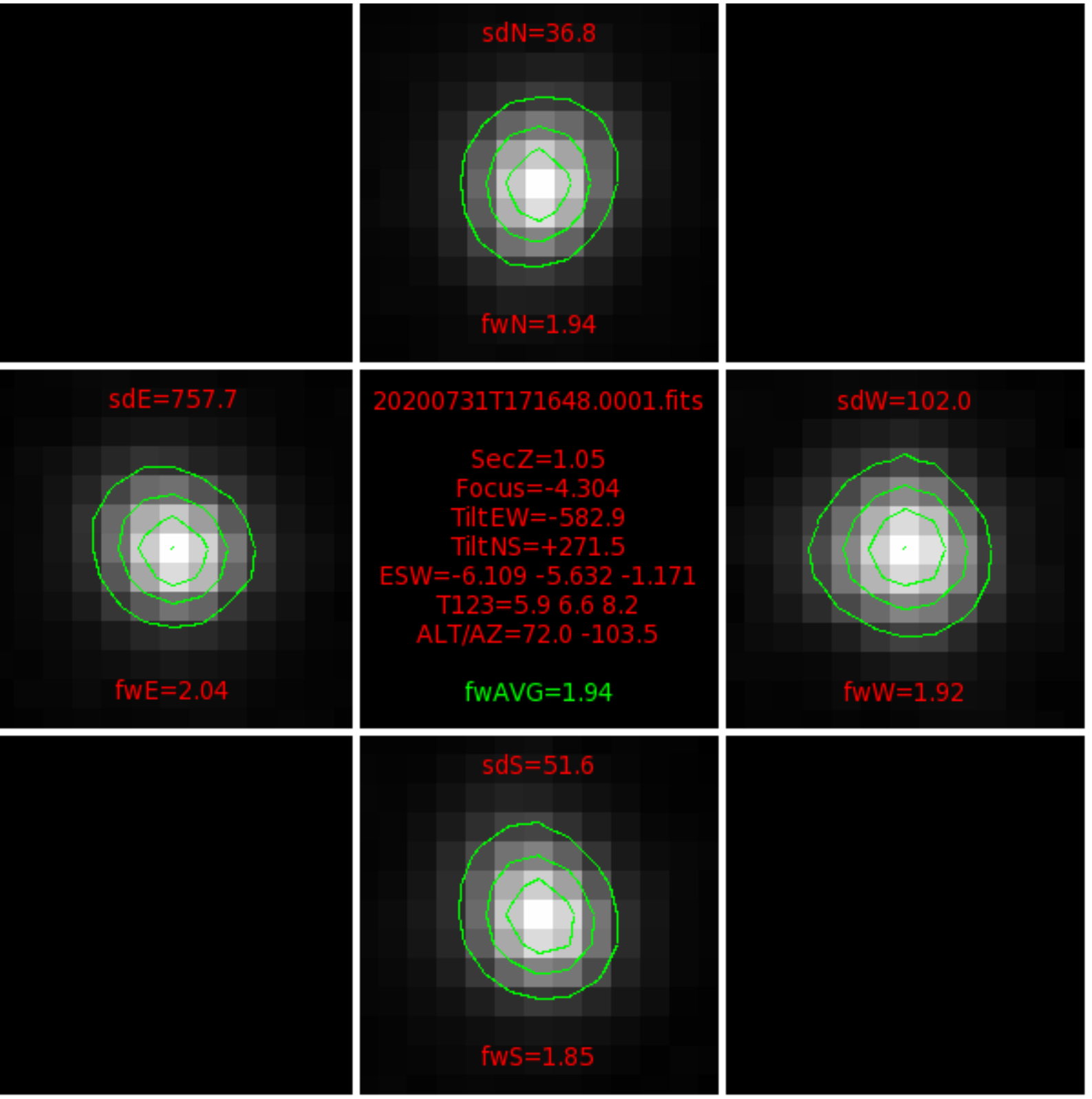
sdN=36.8
fwN=1.94
sdE=757.7
fwE=2.04
20200731T171648.0001.fits
SecZ=1.05
Focus=-4.304
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.109 -5.632 -1.171
T123=5.9 6.6 8.2
ALT/AZ=72.0 -103.5
fwAVG=1.94
sdW=102.0
fwW=1.92
sdS=51.6
fwS=1.85
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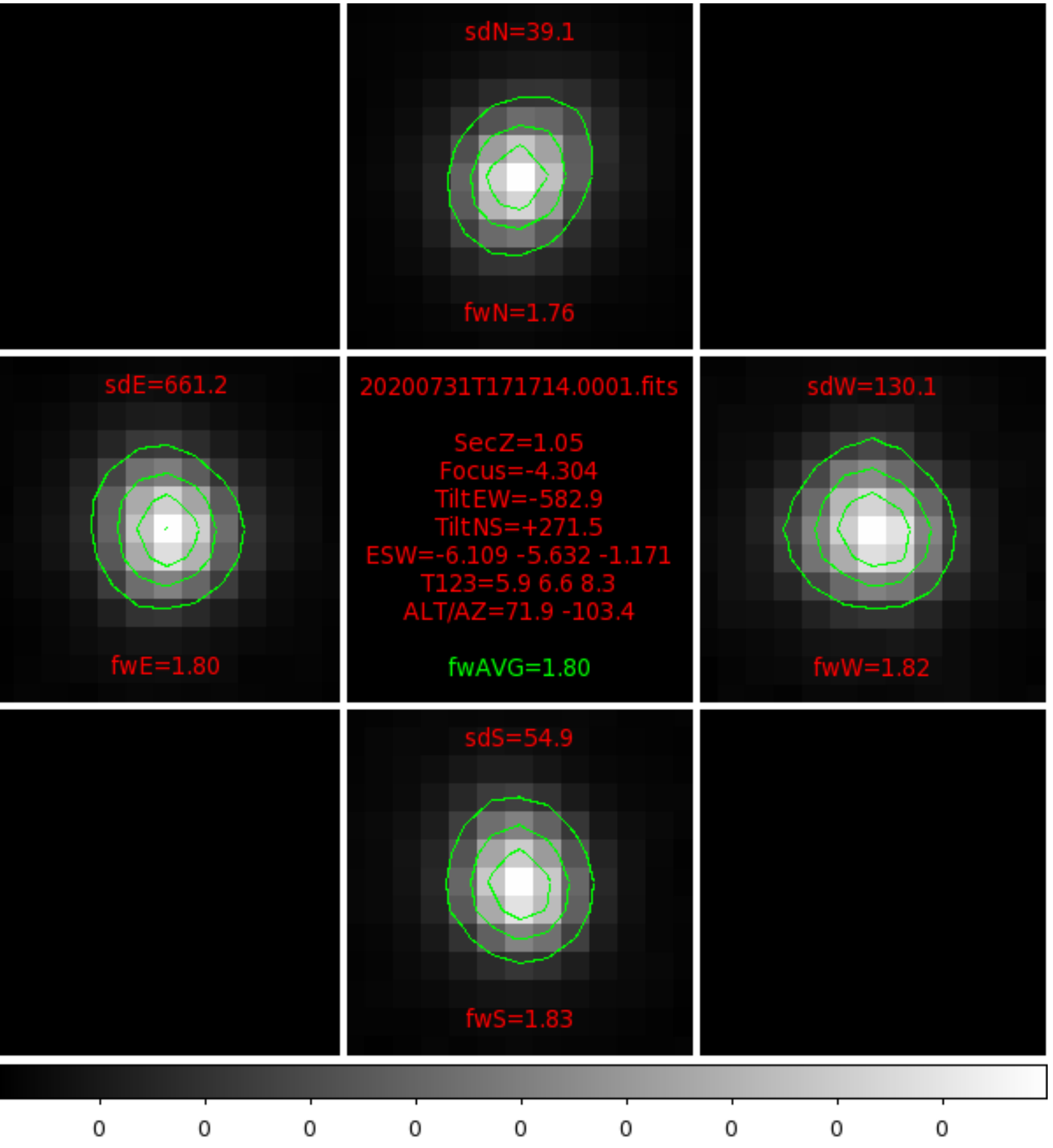
sdN=39.1
fwN=1.76
sdE=661.2
fwE=1.80
20200731T171714.0001.fits
SecZ=1.05
Focus=-4.304
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.109 -5.632 -1.171
T123=5.9 6.6 8.3
ALT/AZ=71.9 -103.4
fwAVG=1.80
sdW=130.1
fwW=1.82
sdS=54.9
fwS=1.83
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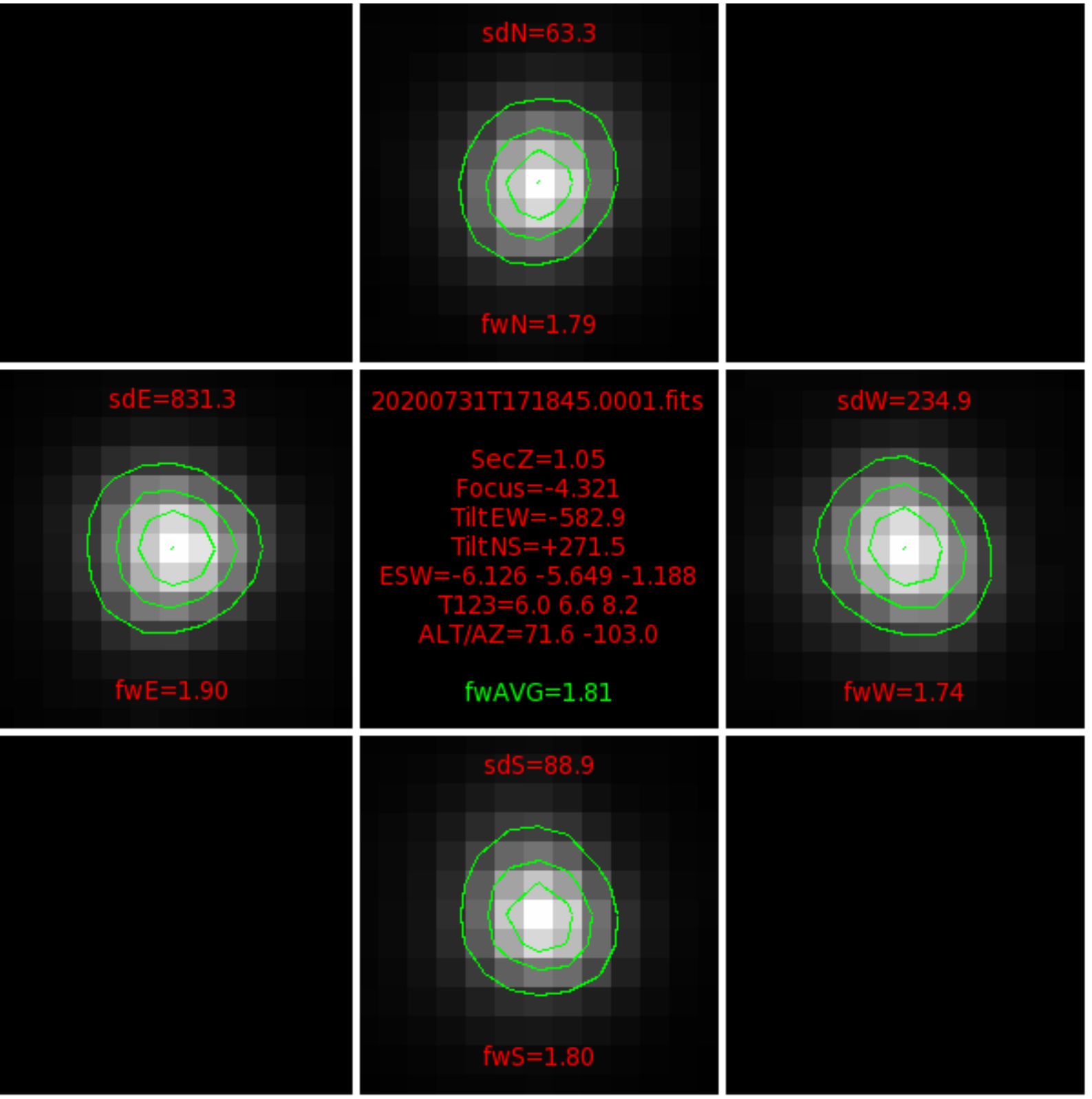
sdN=63.3
fwN=1.79
sdE=831.3
fwE=1.90
20200731T171845.0001.fits
SecZ=1.05
Focus=-4.321
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.126 -5.649 -1.188
T123=6.0 6.6 8.2
ALT/AZ=71.6 -103.0
fwAVG=1.81
sdW=234.9
fwW=1.74
sdS=88.9
fwS=1.80
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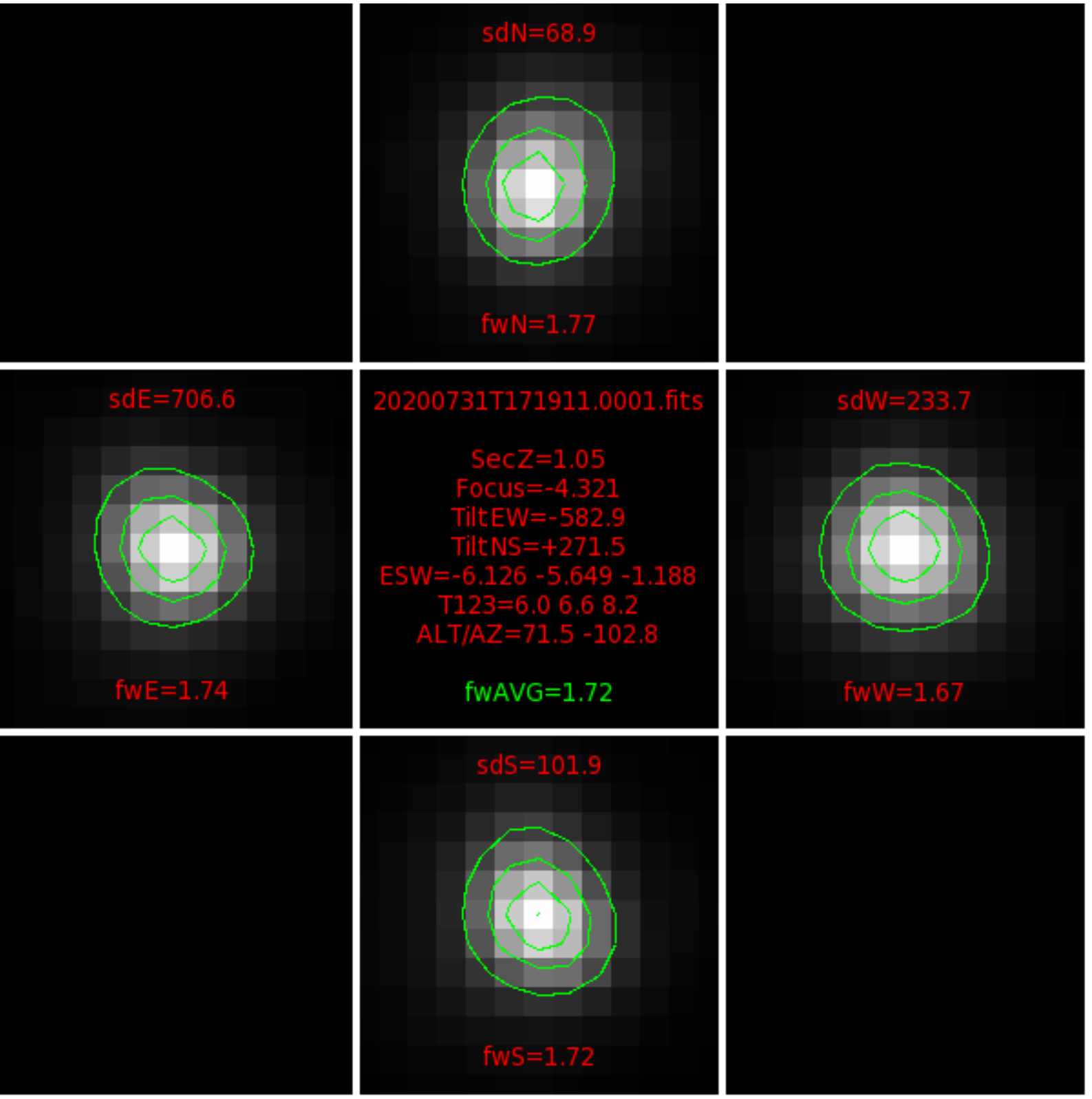
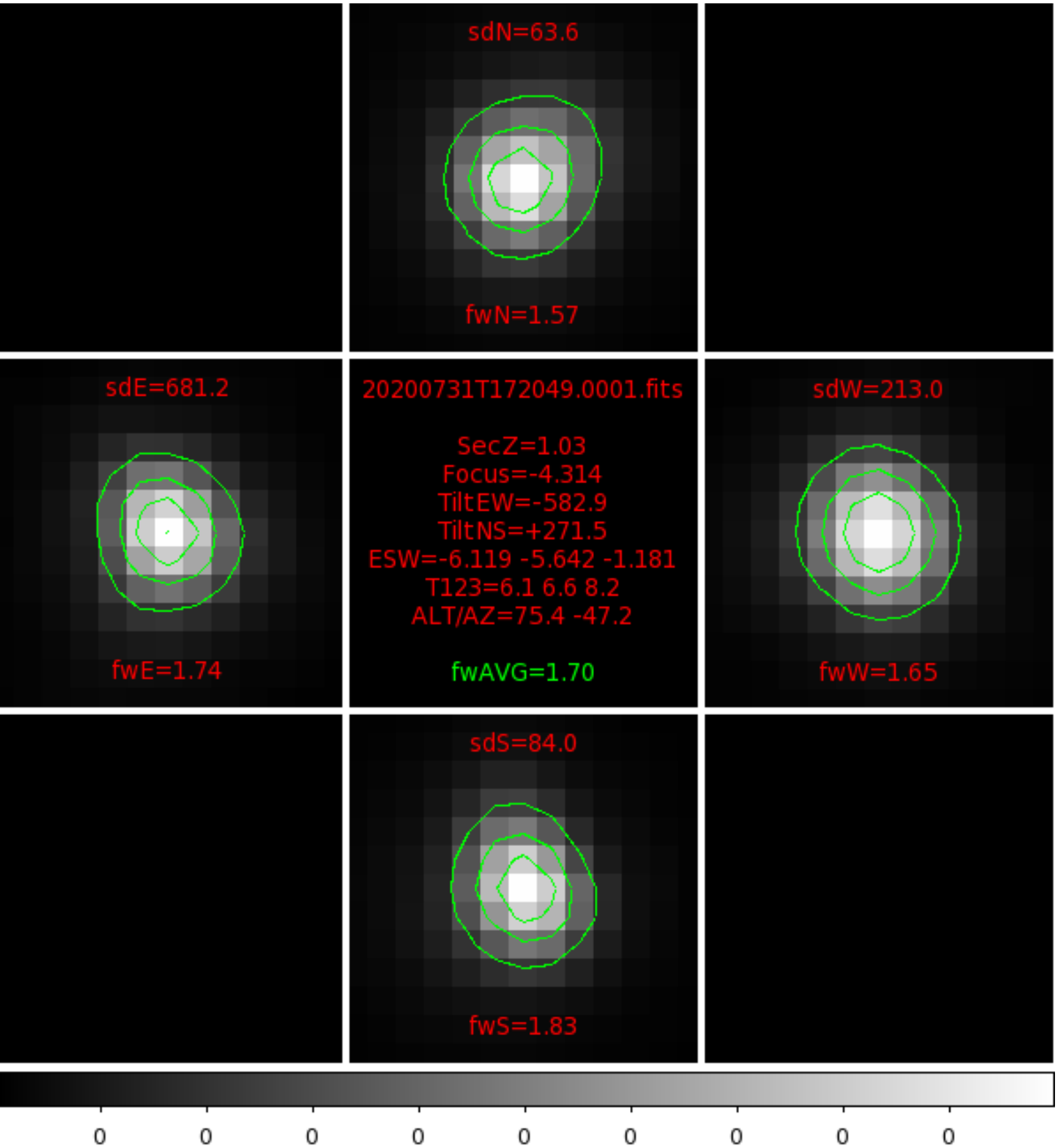

sdN=68.9
fwN=1.77
sdE=706.6
fwE=1.74
20200731T171911.0001.fits
SecZ=1.05
Focus=-4.321
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.126 -5.649 -1.188
T123=6.0 6.6 8.2
ALT/AZ=71.5 -102.8
fwAVG=1.72
sdW=233.7
fwW=1.67
sdS=101.9
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=63.6
fwN=1.57
sdE=681.2
fwE=1.74
20200731T172049.0001.fits
SecZ=1.03
Focus=-4.314
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.119 -5.642 -1.181
T123=6.1 6.6 8.2
ALT/AZ=75.4 -47.2
fwAVG=1.70
sdW=213.0
fwW=1.65
sdS=84.0
fwS=1.83
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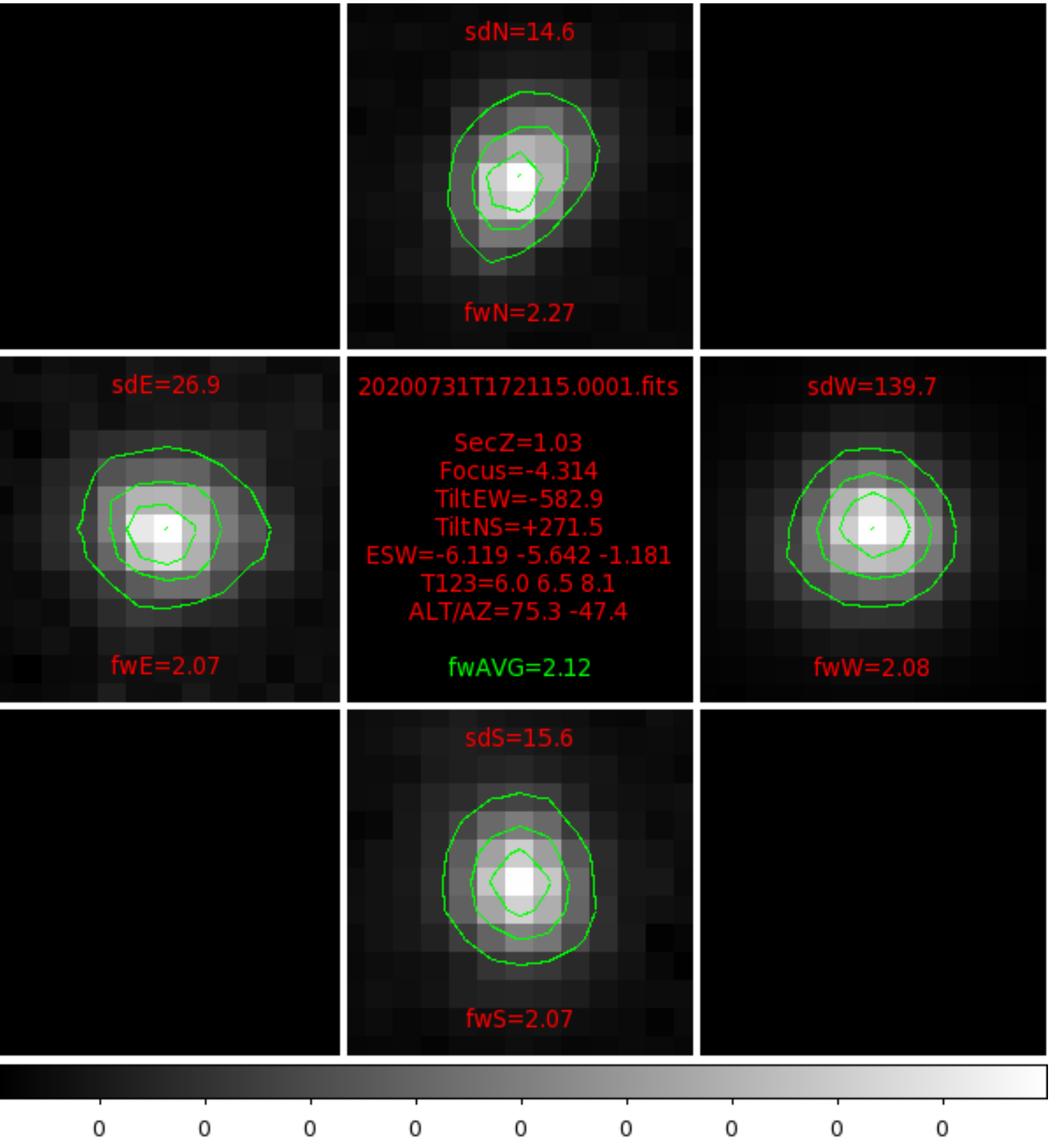
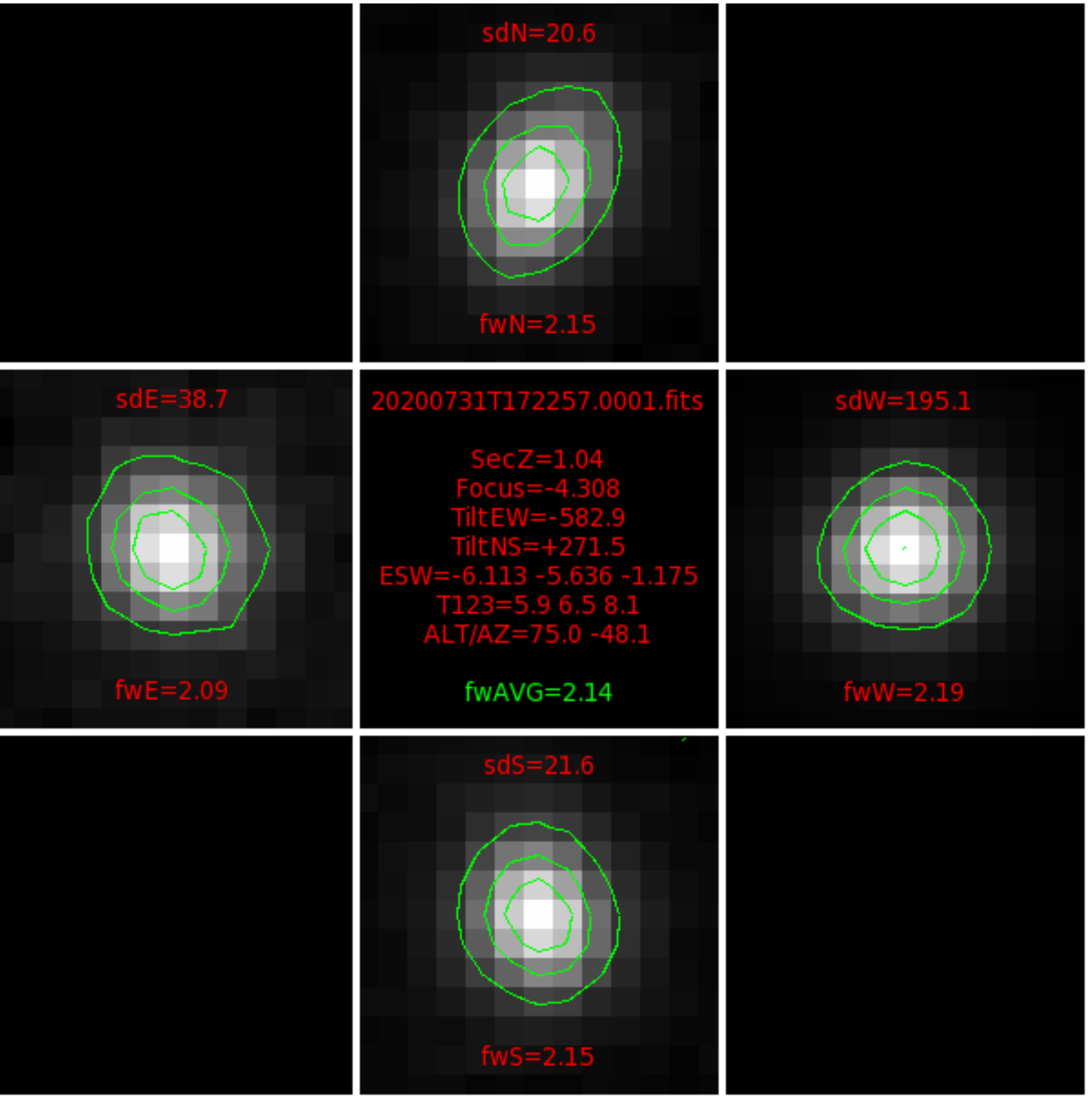

sdN=14.6
fwN=2.27
sdE=26.9
fwE=2.07
20200731T172115.0001.fits
SecZ=1.03
Focus=-4.314
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.119 -5.642 -1.181
T123=6.0 6.5 8.1
ALT/AZ=75.3 -47.4
fwAVG=2.12
sdW=139.7
fwW=2.08
sdS=15.6
fwS=2.07
0 0 0 0 0 0 0 0 0


sdN=20.6
fwN=2.15
sdE=38.7
fwE=2.09
20200731T172257.0001.fits
SecZ=1.04
Focus=-4.308
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.113 -5.636 -1.175
T123=5.9 6.5 8.1
ALT/AZ=75.0 -48.1
fwAVG=2.14
sdW=195.1
fwW=2.19
sdS=21.6
fwS=2.15
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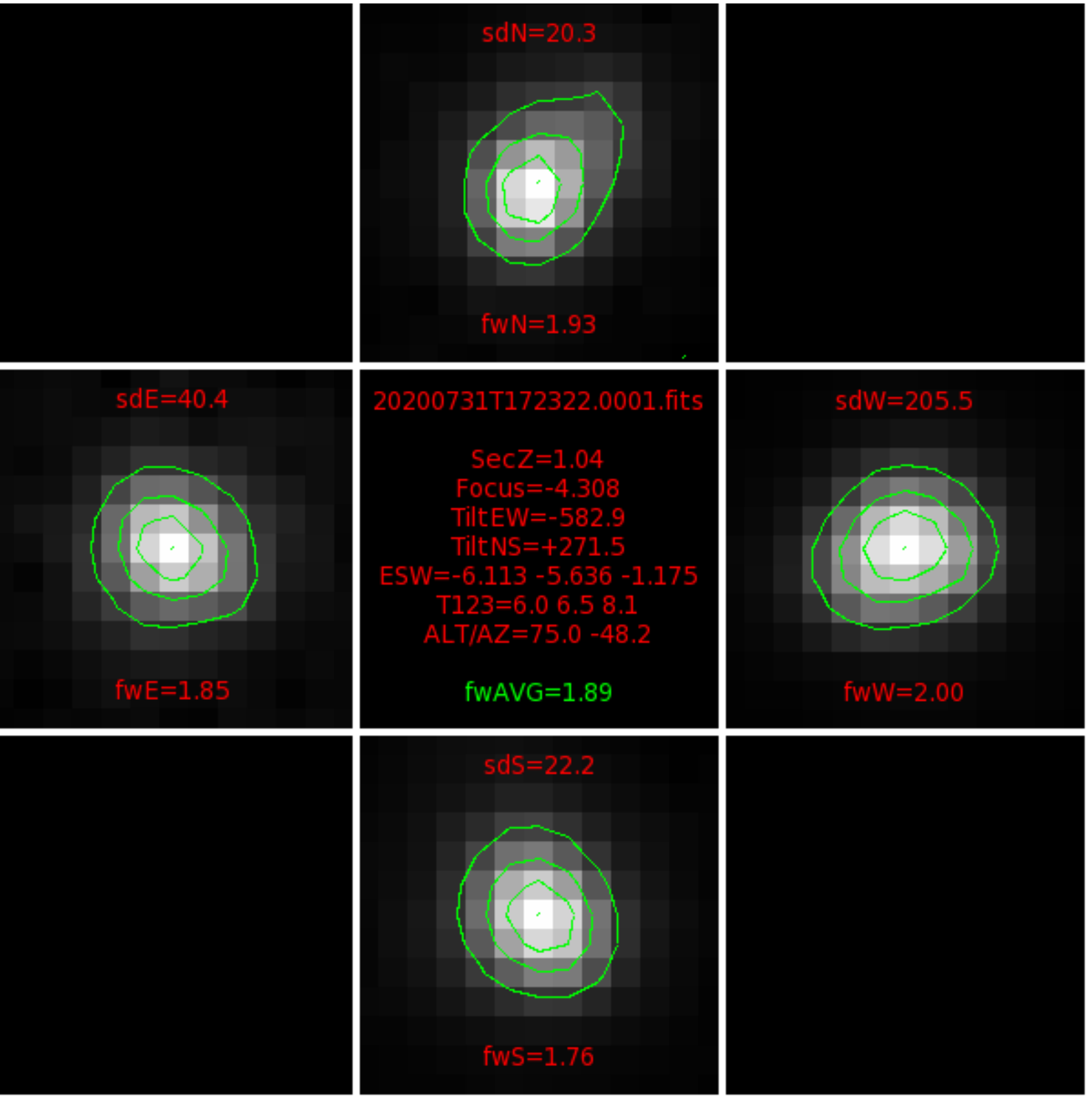
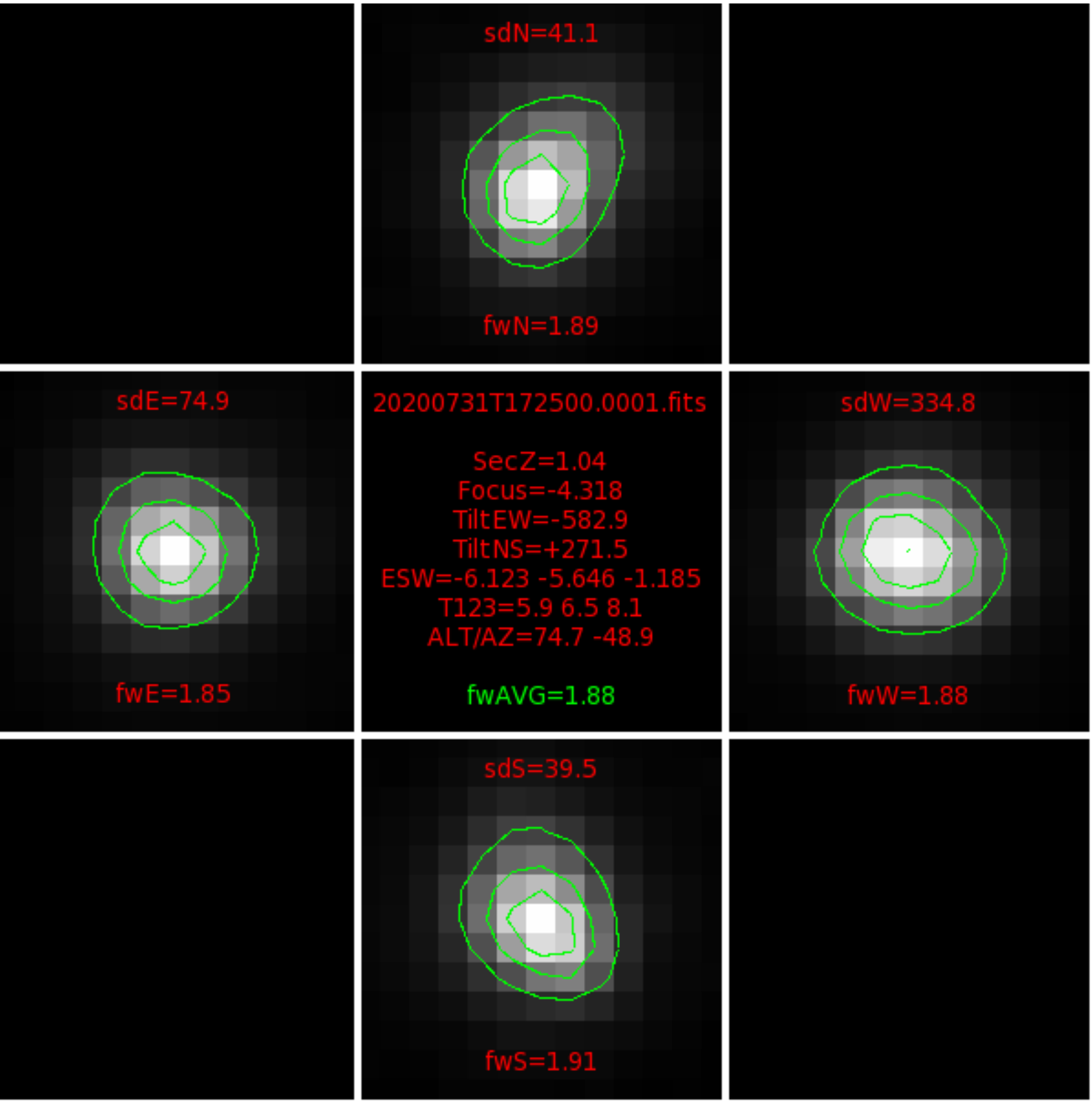
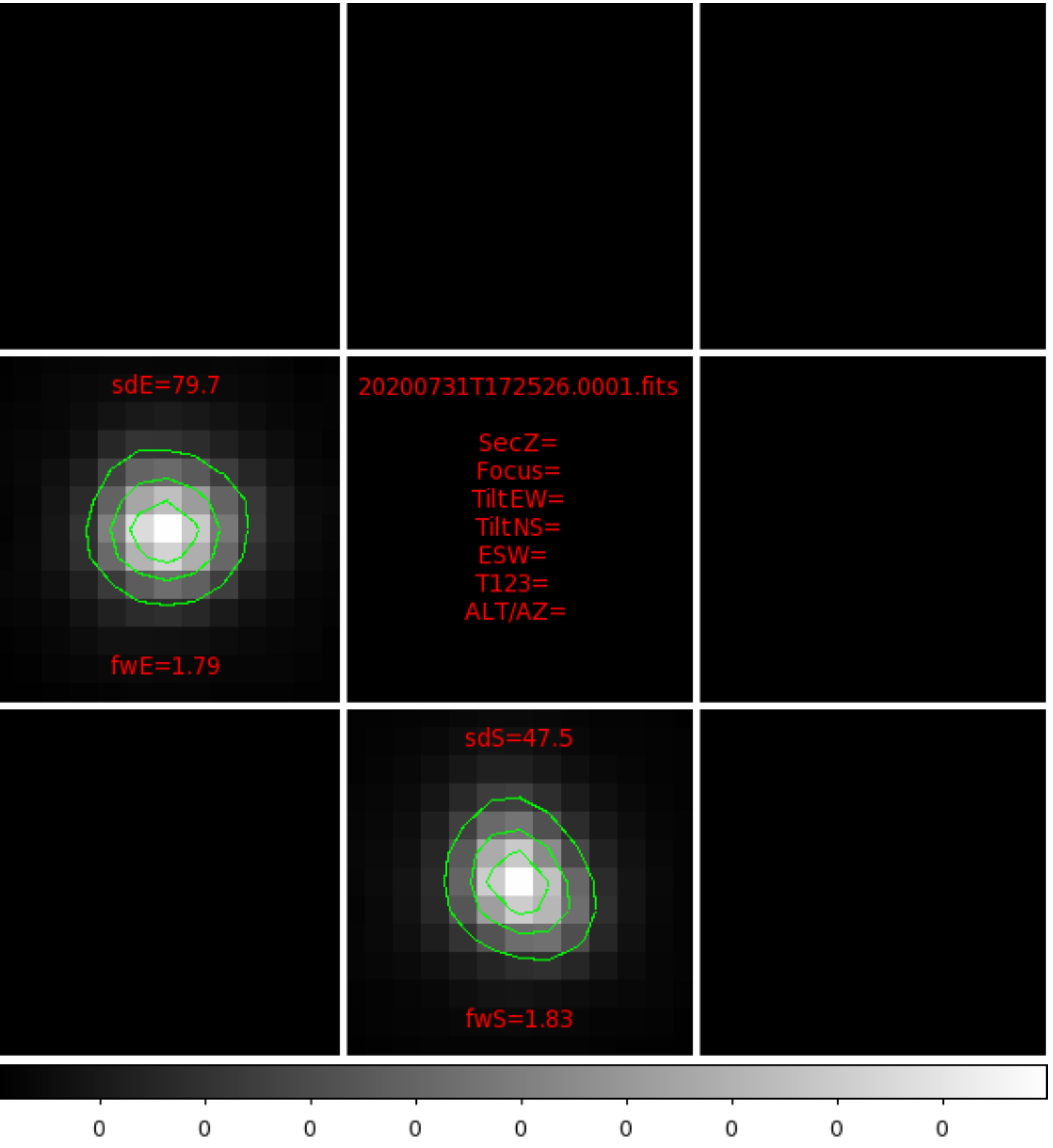

sdN=20.3
fwN=1.93
sdE=40.4
fwE=1.85
20200731T172322.0001.fits
SecZ=1.04
Focus=-4.308
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.113 -5.636 -1.175
T123=6.0 6.5 8.1
ALT/AZ=75.0 -48.2
fwAVG=1.89
sdW=205.5
fwW=2.00
sdS=22.2
fwS=1.76
0 0 0 0 0 0 0 0 0


sdN=41.1
fwN=1.89
sdE=74.9
fwE=1.85
20200731T172500.0001.fits
SecZ=1.04
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=5.9 6.5 8.1
ALT/AZ=74.7 -48.9
fwAVG=1.88
sdW=334.8
fwW=1.88
sdS=39.5
fwS=1.91
0 0 0 0 0 0 0 0 0


sdE=79.7
20200731T172526.0001.fits
SecZ=
Focus=
TiltEW=
TiltNS=
ESW=
T123=
ALT/AZ=
fwE=1.79
sdS=47.5
fwS=1.83
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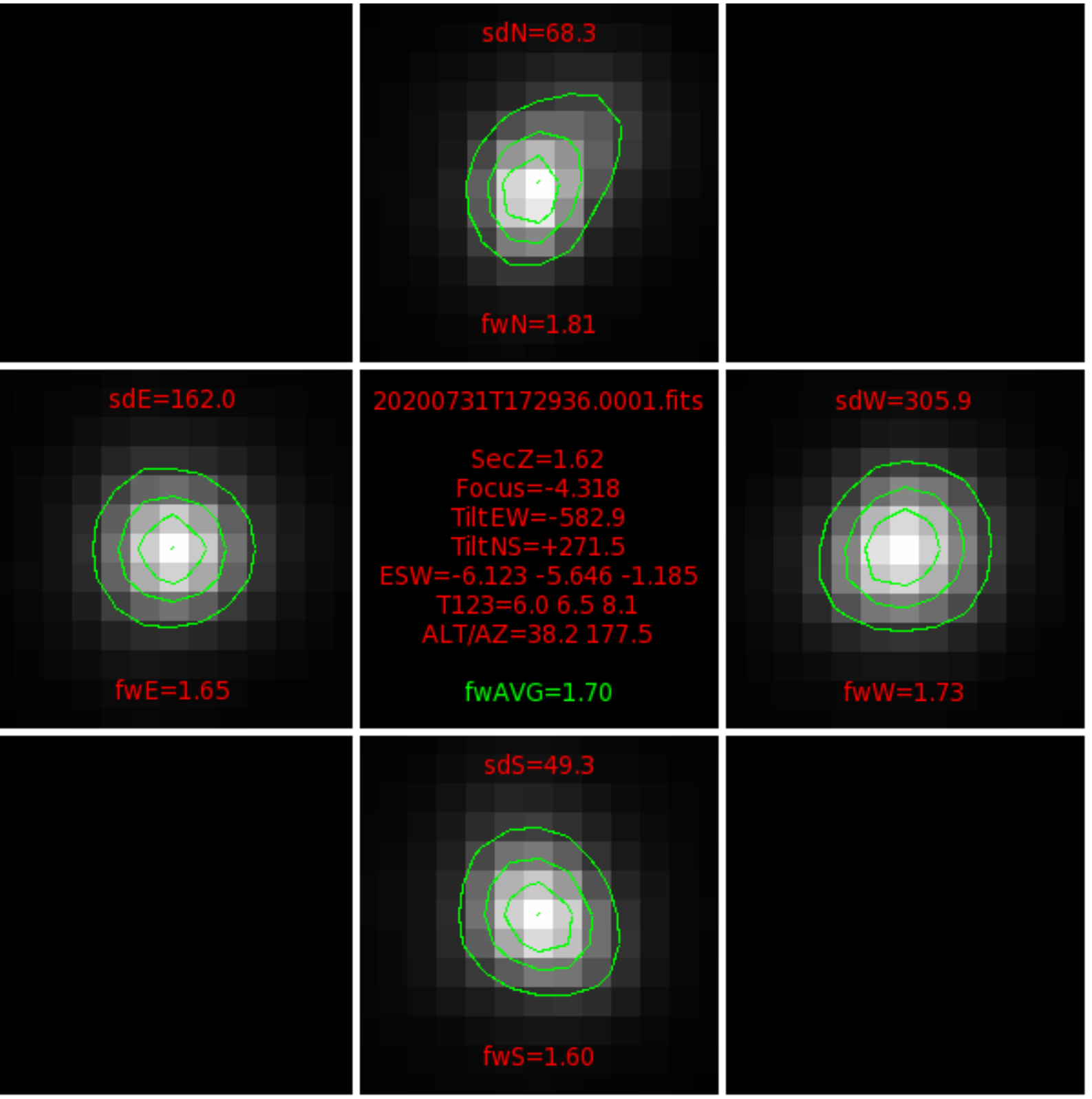
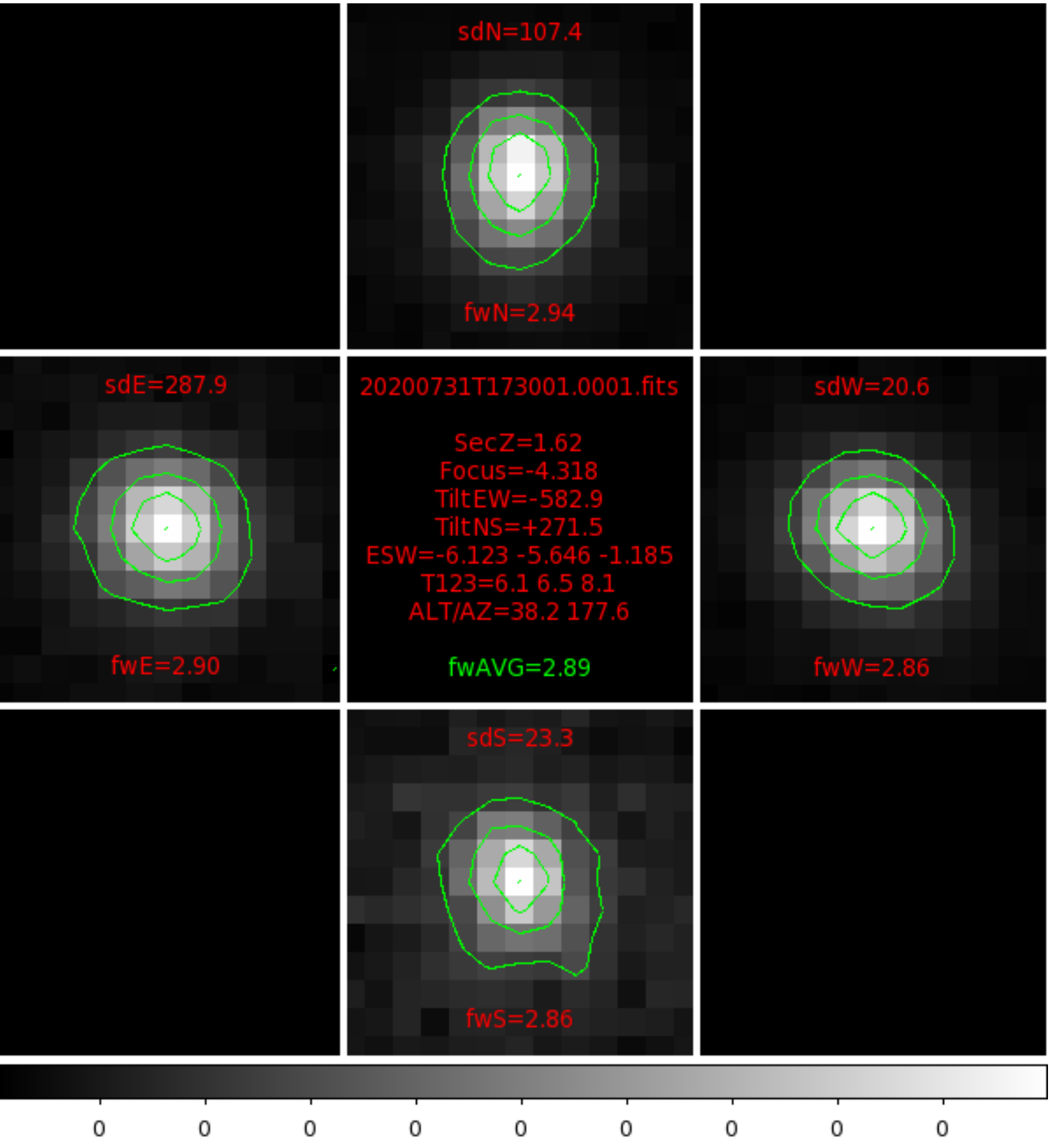
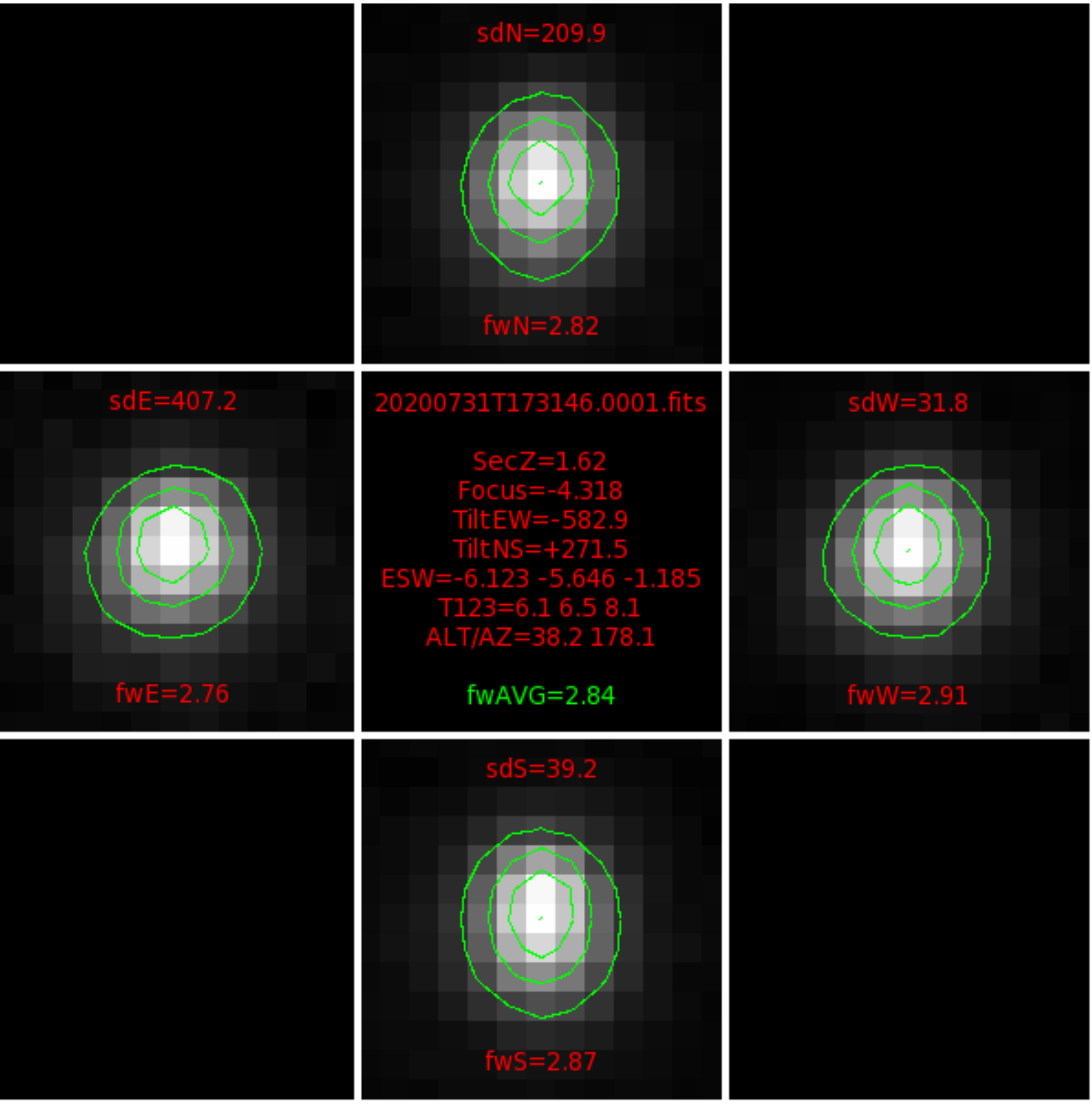

sdN=68.3
fwN=1.81
sdE=162.0
fwE=1.65
20200731T172936.0001.fits
SecZ=1.62
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=6.0 6.5 8.1
ALT/AZ=38.2 177.5
fwAVG=1.70
sdW=305.9
fwW=1.73
sdS=49.3
fwS=1.60
0 0 0 0 0 0 0 0 0


sdN=107.4
fwN=2.94
sdE=287.9
fwE=2.90
20200731T173001.0001.fits
SecZ=1.62
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=6.1 6.5 8.1
ALT/AZ=38.2 177.6
fwAVG=2.89
sdW=20.6
fwW=2.86
sdS=23.3
fwS=2.86
0 0 0 0 0 0 0 0 0


sdN=209.9
fwN=2.82
sdE=407.2
fwE=2.76
20200731T173146.0001.fits
SecZ=1.62
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=6.1 6.5 8.1
ALT/AZ=38.2 178.1
fwAVG=2.84
sdW=31.8
fwW=2.91
sdS=39.2
fwS=2.87
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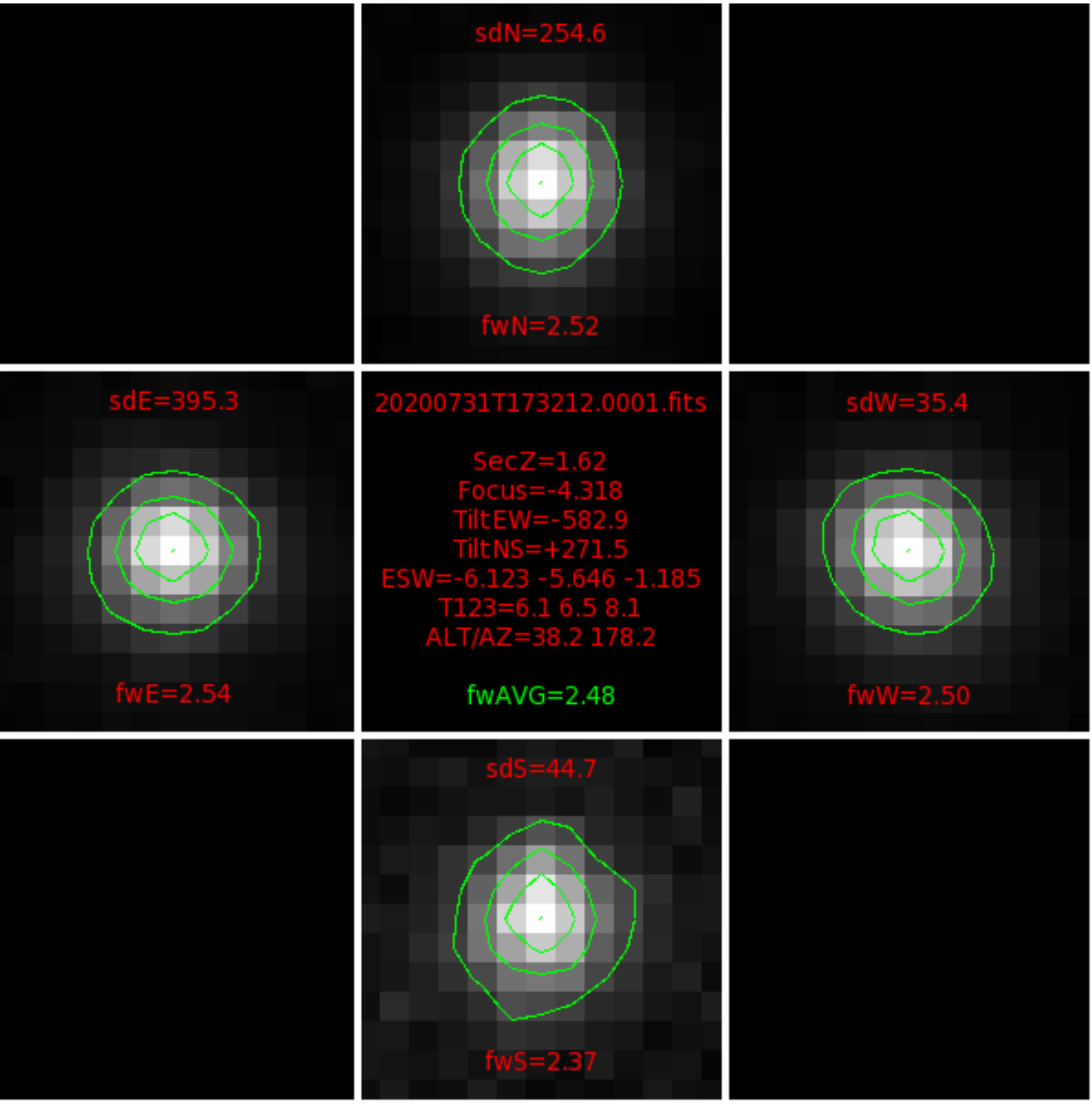
sdN=254.6
fwN=2.52
sdE=395.3
fwE=2.54
20200731T173212.0001.fits
SecZ=1.62
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=6.1 6.5 8.1
ALT/AZ=38.2 178.2
fwAVG=2.48
sdW=35.4
fwW=2.50
sdS=44.7
fwS=2.37
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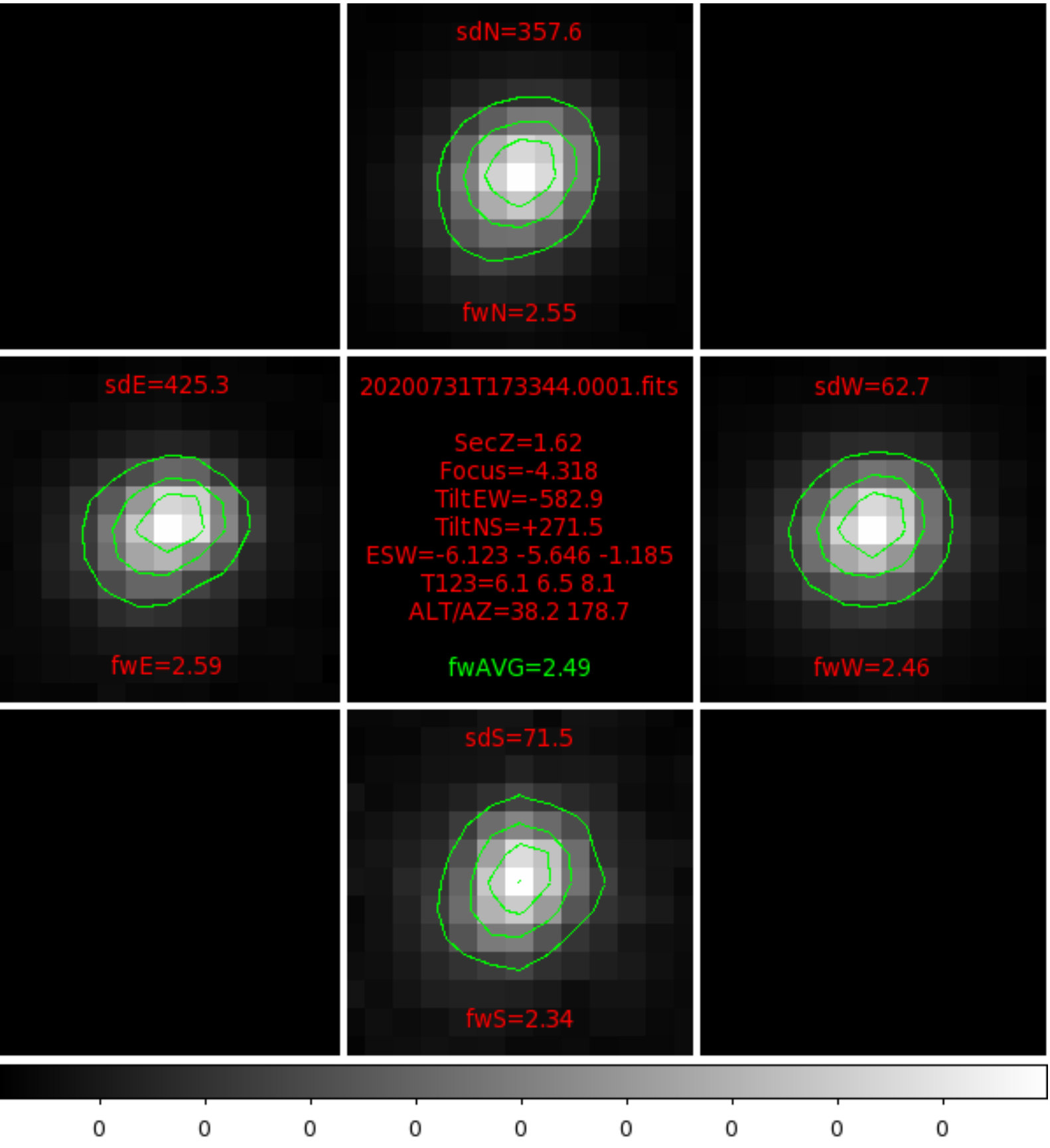
sdN=357.6
fwN=2.55
sdE=425.3
fwE=2.59
20200731T173344.0001.fits
SecZ=1.62
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=6.1 6.5 8.1
ALT/AZ=38.2 178.7
fwAVG=2.49
sdW=62.7
fwW=2.46
sdS=71.5
fwS=2.34
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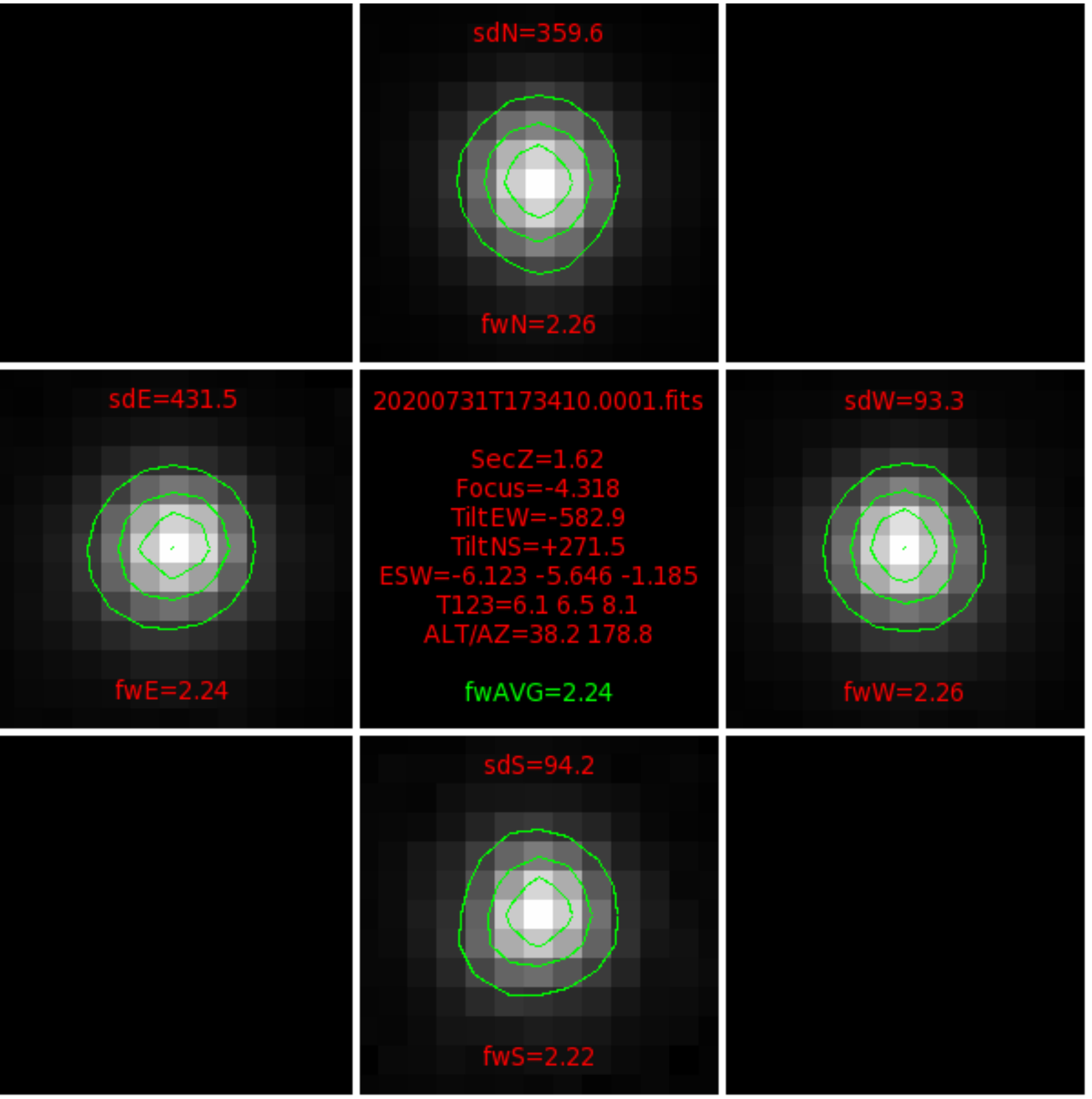
sdN=359.6
fwN=2.26
sdE=431.5
fwE=2.24
20200731T173410.0001.fits
SecZ=1.62
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=6.1 6.5 8.1
ALT/AZ=38.2 178.8
fwAVG=2.24
sdW=93.3
fwW=2.26
sdS=94.2
fwS=2.22
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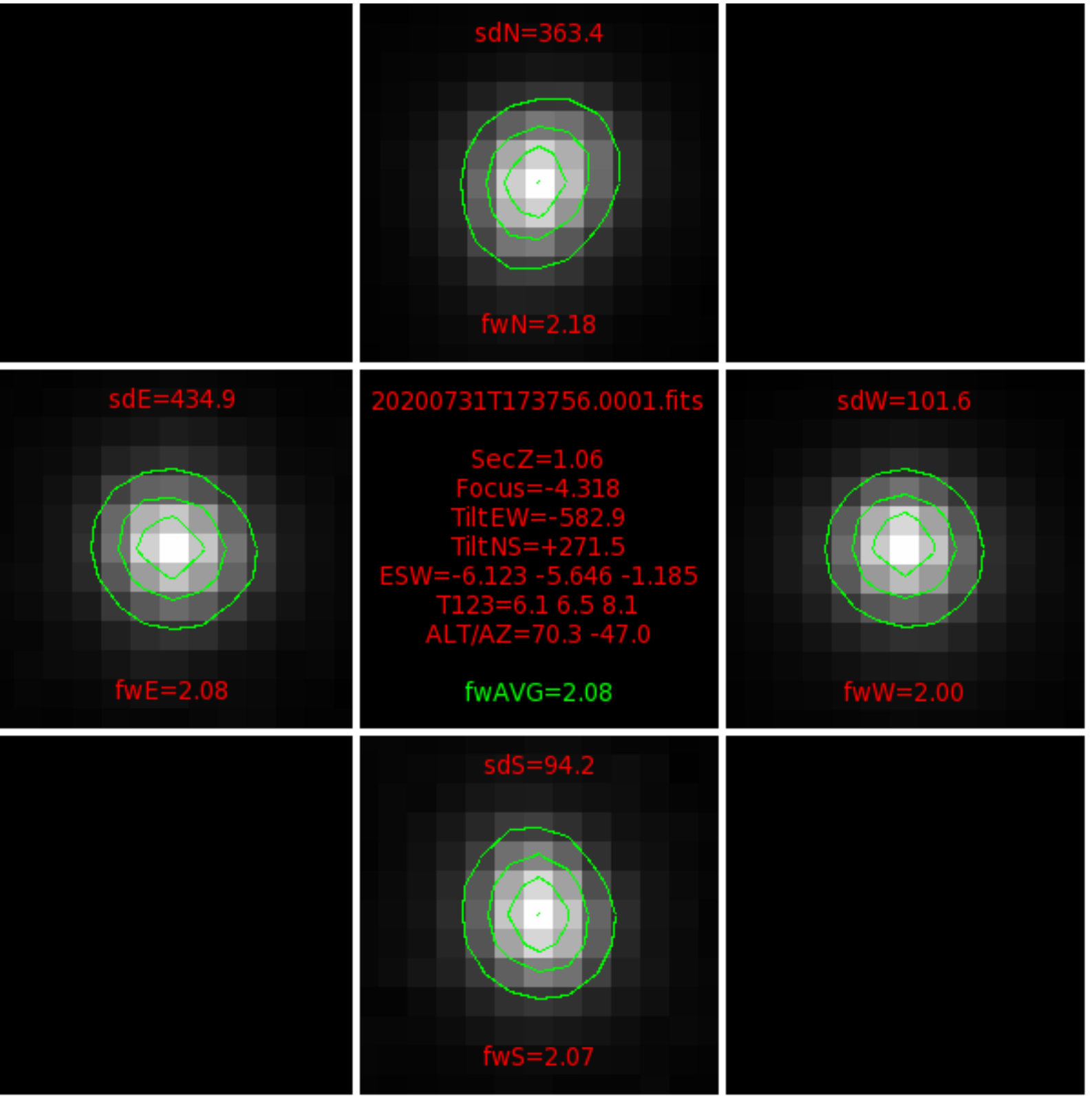
sdN=363.4
fwN=2.18
sdE=434.9
fwE=2.08
20200731T173756.0001.fits
SecZ=1.06
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=6.1 6.5 8.1
ALT/AZ=70.3 -47.0
fwAVG=2.08
sdW=101.6
fwW=2.00
sdS=94.2
fwS=2.07
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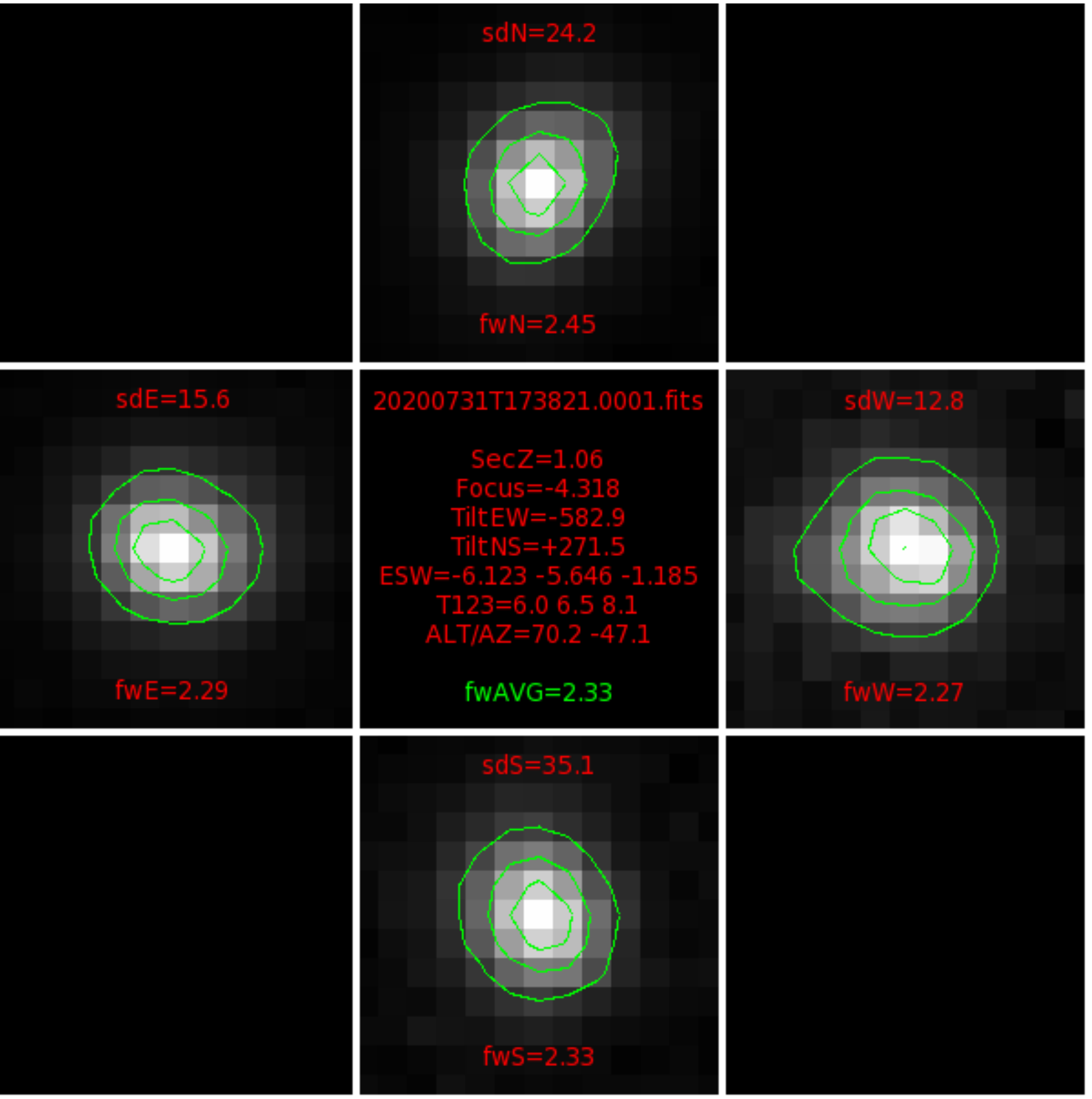
sdN=24.2
fwN=2.45
sdE=15.6
fwE=2.29
20200731T173821.0001.fits
SecZ=1.06
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=6.0 6.5 8.1
ALT/AZ=70.2 -47.1
fwAVG=2.33
sdW=12.8
fwW=2.27
sdS=35.1
fwS=2.33
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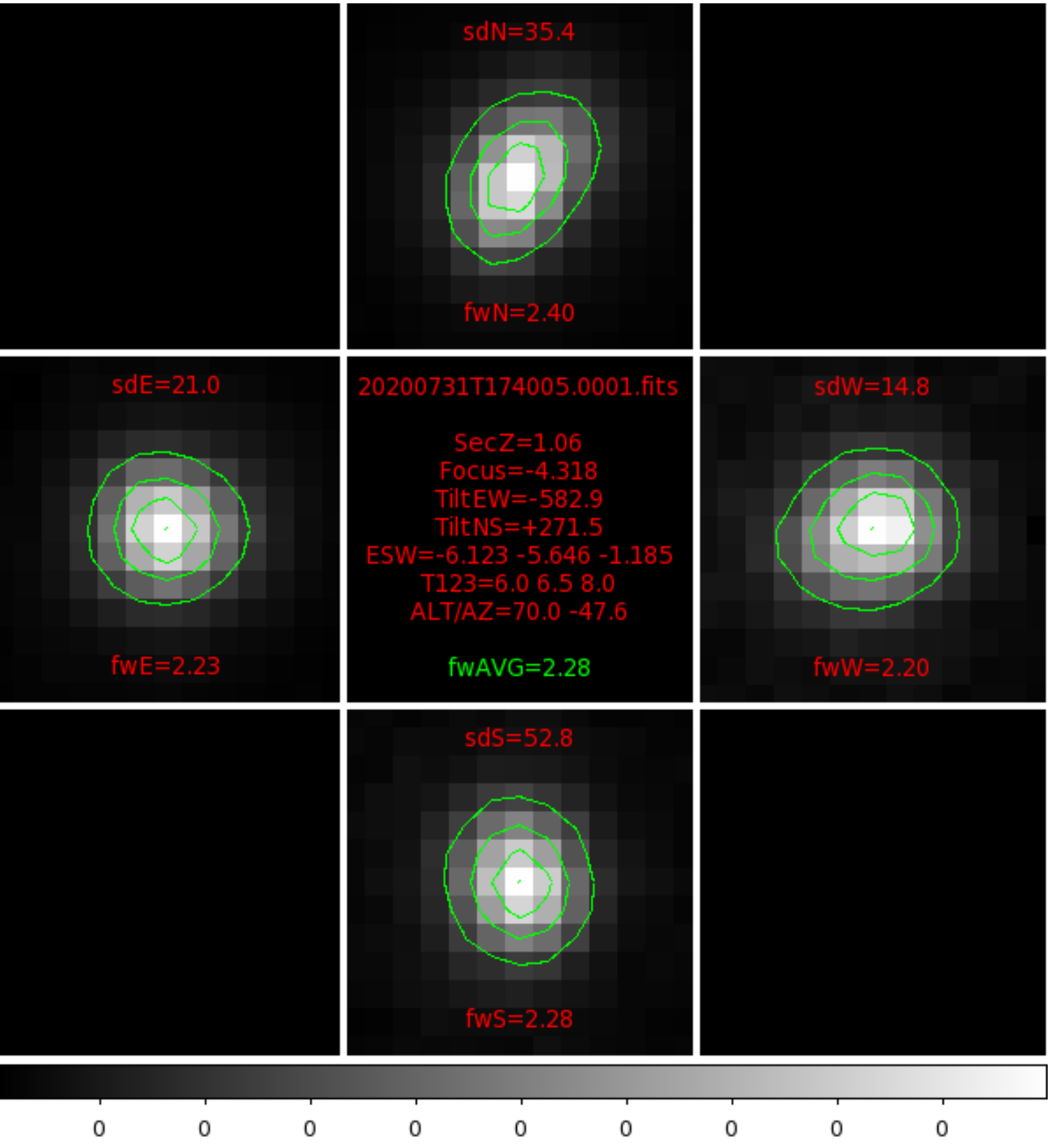
sdN=35.4
fwN=2.40
sdE=21.0
fwE=2.23
20200731T174005.0001.fits
SecZ=1.06
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=6.0 6.5 8.0
ALT/AZ=70.0 -47.6
fwAVG=2.28
sdW=14.8
fwW=2.20
sdS=52.8
fwS=2.28
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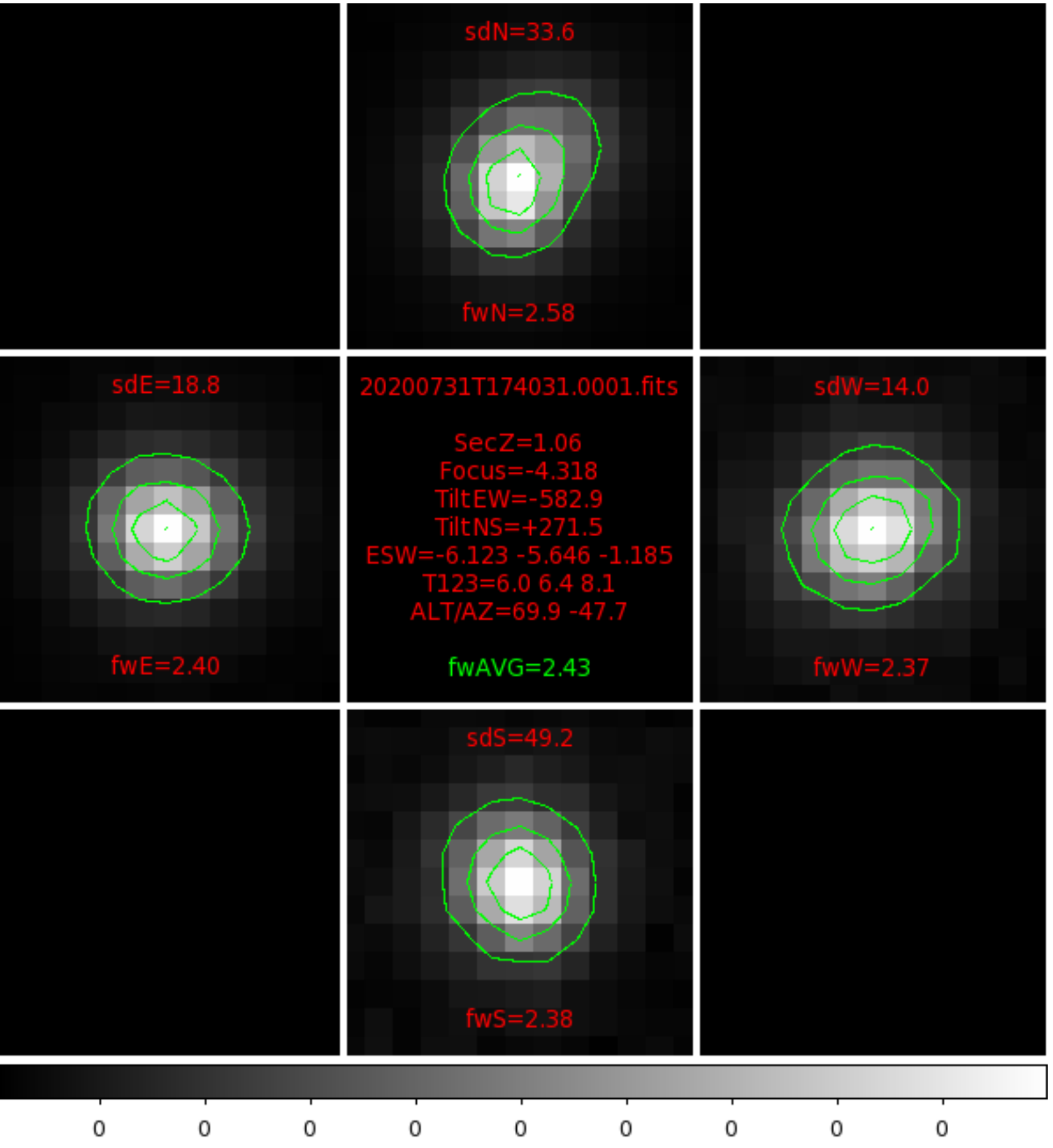
sdN=33.6
fwN=2.58
sdE=18.8
fwE=2.40
20200731T174031.0001.fits
SecZ=1.06
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=6.0 6.4 8.1
ALT/AZ=69.9 -47.7
fwAVG=2.43
sdW=14.0
fwW=2.37
sdS=49.2
fwS=2.38
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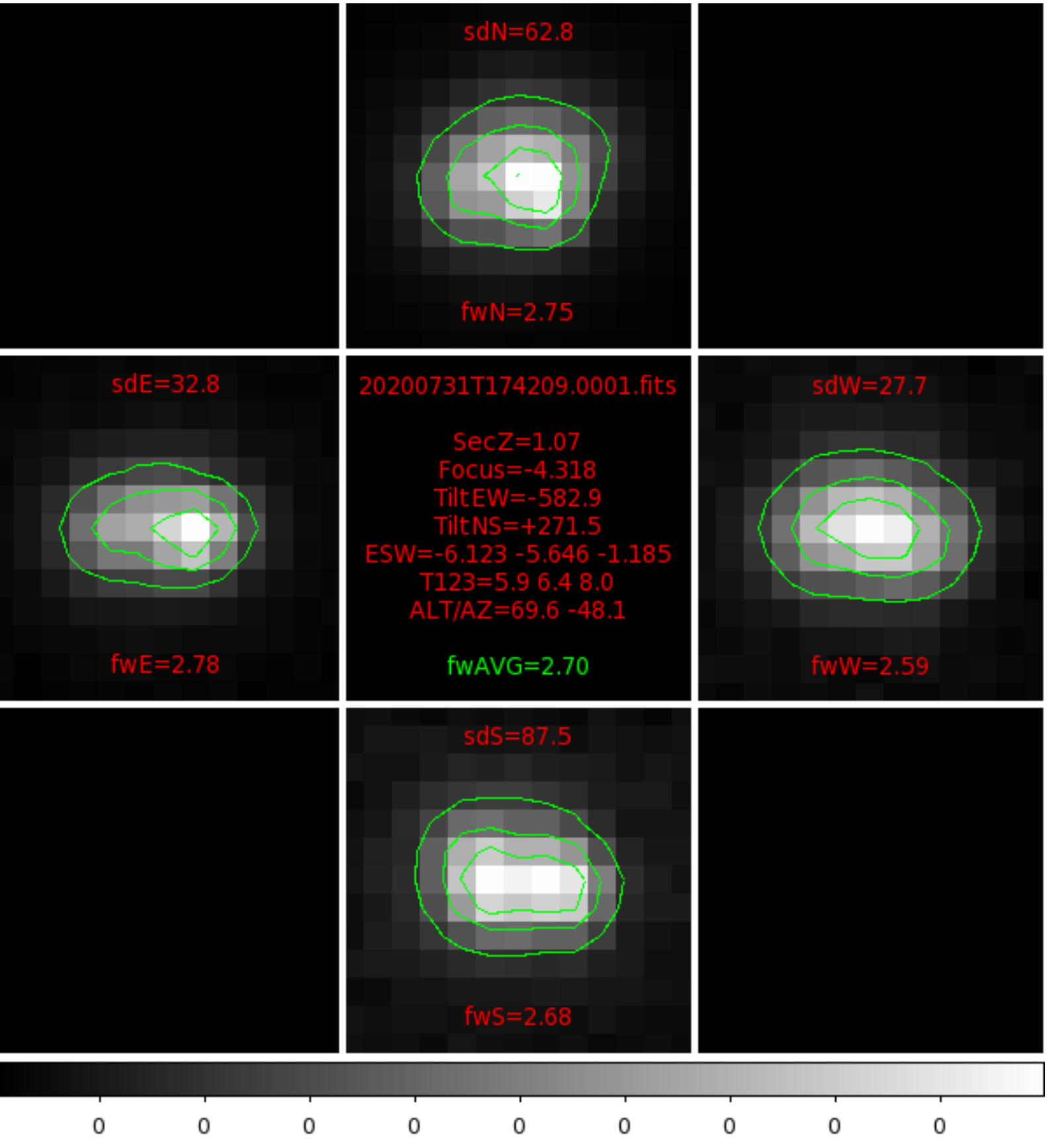
sdN=62.8
fwN=2.75
sdE=32.8
fwE=2.78
20200731T174209.0001.fits
SecZ=1.07
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=5.9 6.4 8.0
ALT/AZ=69.6 -48.1
fwAVG=2.70
sdW=27.7
fwW=2.59
sdS=87.5
fwS=2.68
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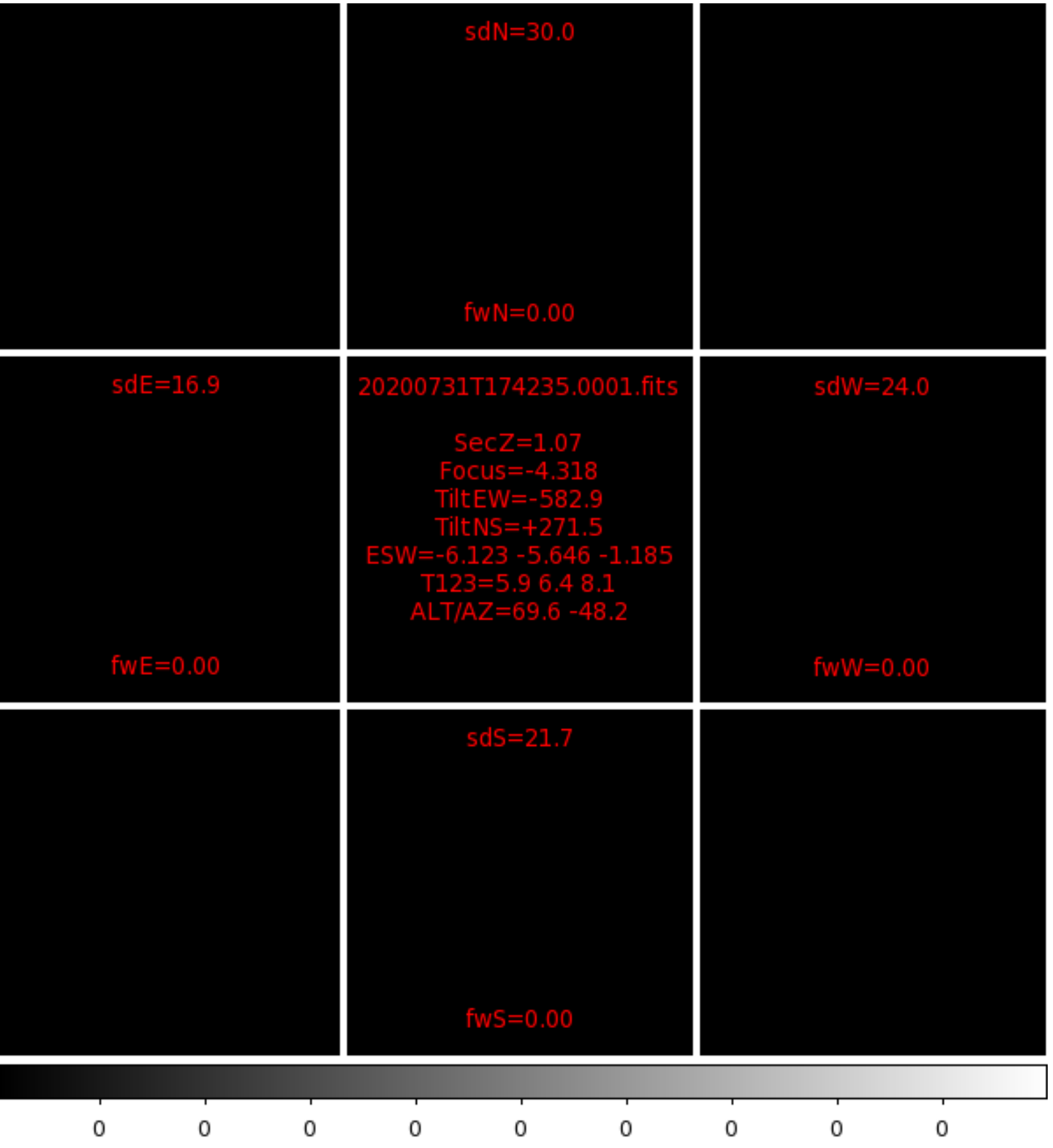
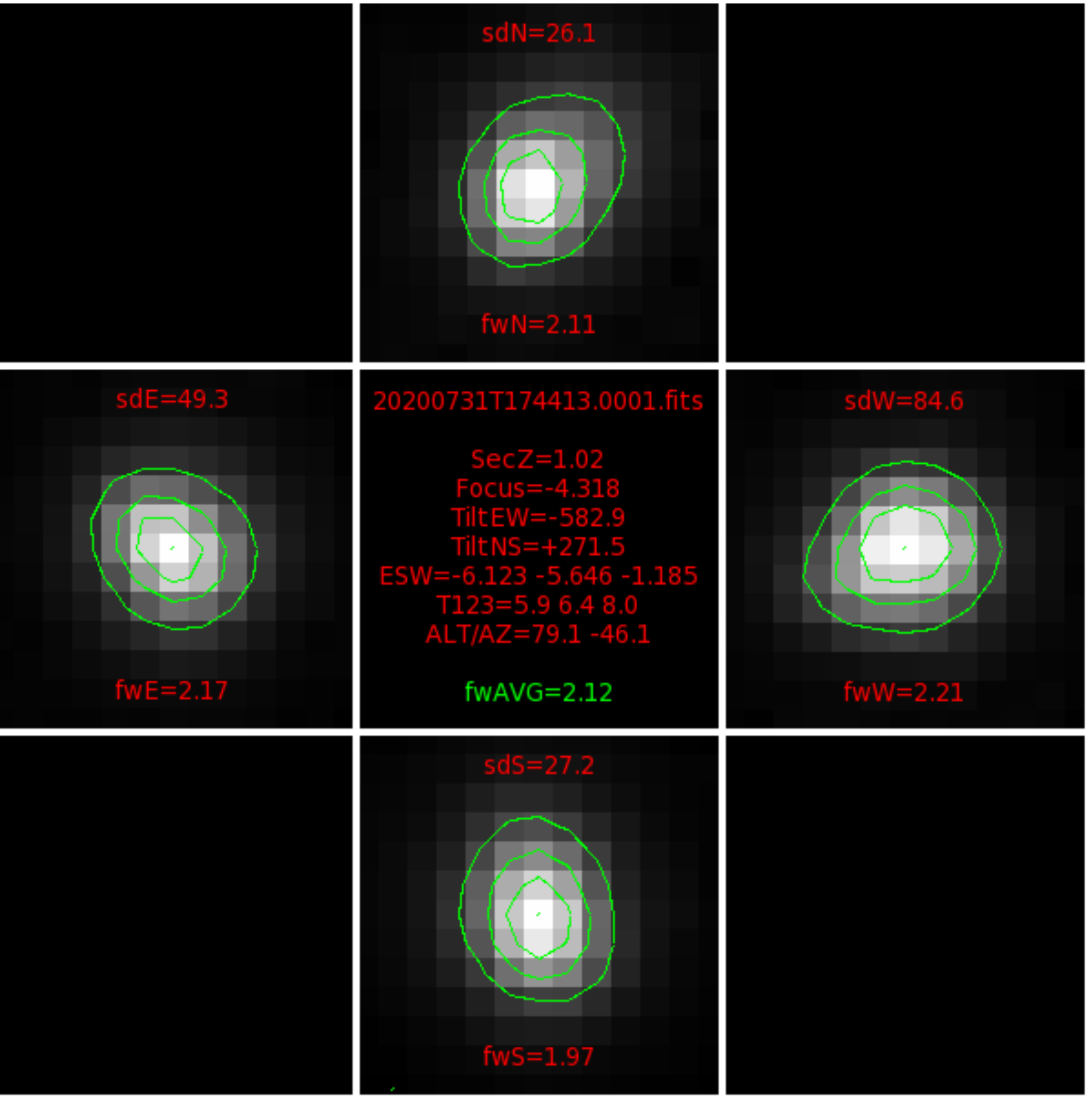

sdN=30.0
fwN=0.00
sdE=16.9
fwE=0.00
20200731T174235.0001.fits
SecZ=1.07
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=5.9 6.4 8.1
ALT/AZ=69.6 -48.2
sdW=24.0
fwW=0.00
sdS=21.7
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=26.1
fwN=2.11
sdE=49.3
fwE=2.17
20200731T174413.0001.fits
SecZ=1.02
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=5.9 6.4 8.0
ALT/AZ=79.1 -46.1
fwAVG=2.12
sdW=84.6
fwW=2.21
sdS=27.2
fwS=1.97
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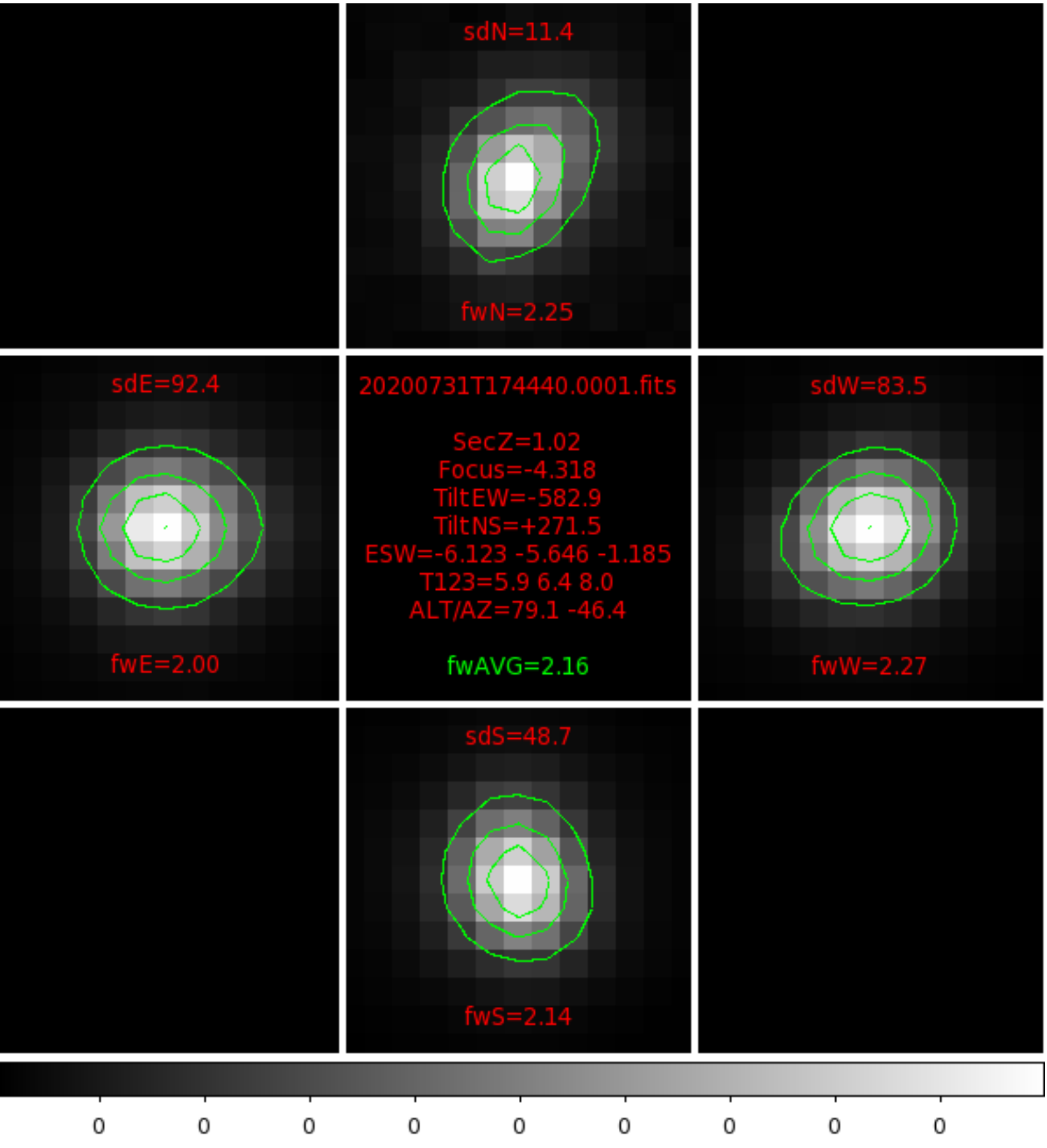
sdN=11.4
fwN=2.25
sdE=92.4
fwE=2.00
20200731T174440.0001.fits
SecZ=1.02
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=5.9 6.4 8.0
ALT/AZ=79.1 -46.4
fwAVG=2.16
sdW=83.5
fwW=2.27
sdS=48.7
fwS=2.14
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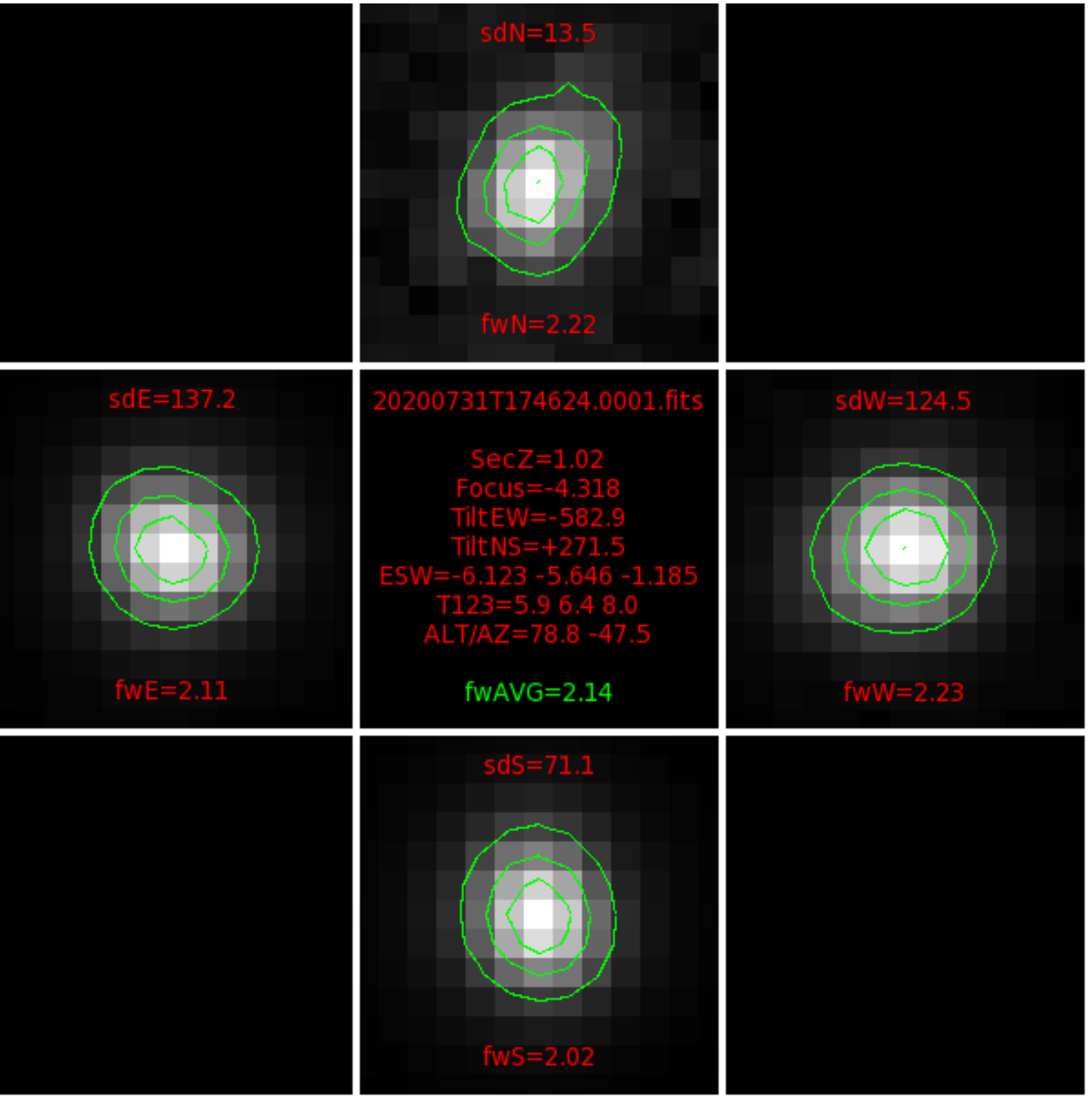
sdN=13.5
fwN=2.22
sdE=137.2
fwE=2.11
20200731T174624.0001.fits
SecZ=1.02
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=5.9 6.4 8.0
ALT/AZ=78.8 -47.5
fwAVG=2.14
sdW=124.5
fwW=2.23
sdS=71.1
fwS=2.02
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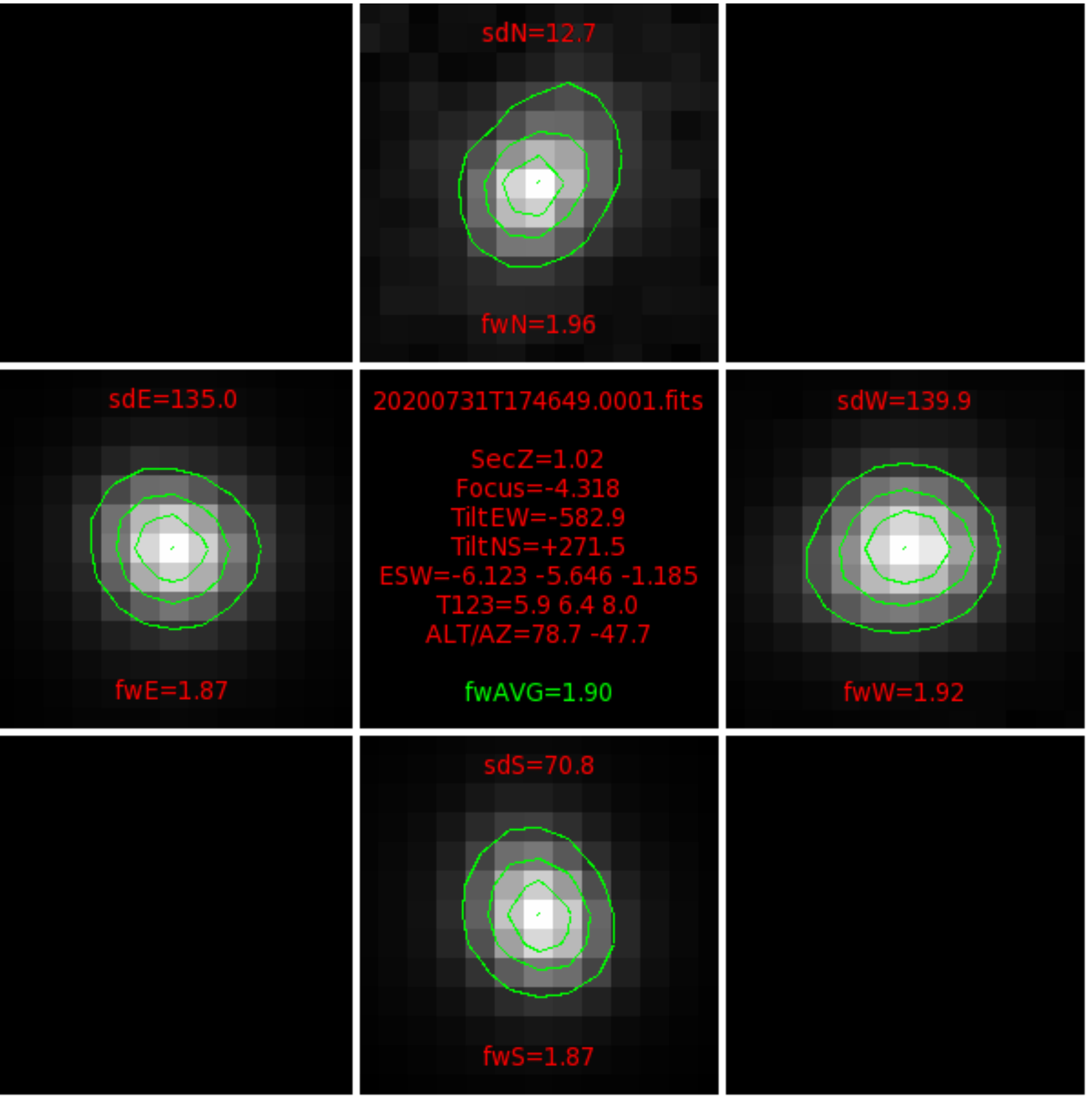
sdN=12.7
fwN=1.96
sdE=135.0
fwE=1.87
20200731T174649.0001.fits
SecZ=1.02
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=5.9 6.4 8.0
ALT/AZ=78.7 -47.7
fwAVG=1.90
sdW=139.9
fwW=1.92
sdS=70.8
fwS=1.87
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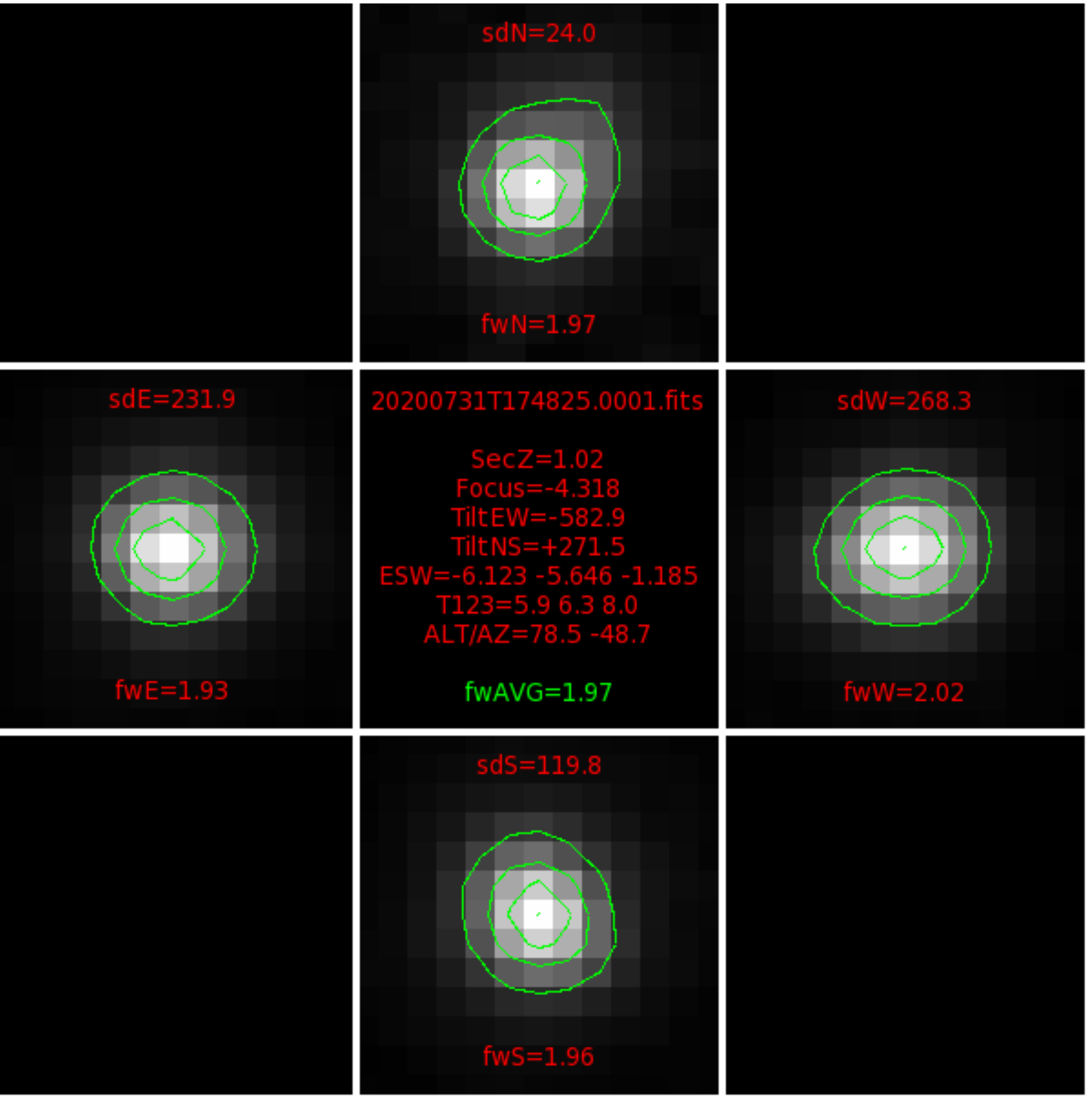
sdN=24.0
fwN=1.97
sdE=231.9
fwE=1.93
20200731T174825.0001.fits
SecZ=1.02
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=5.9 6.3 8.0
ALT/AZ=78.5 -48.7
fwAVG=1.97
sdW=268.3
fwW=2.02
sdS=119.8
fwS=1.96
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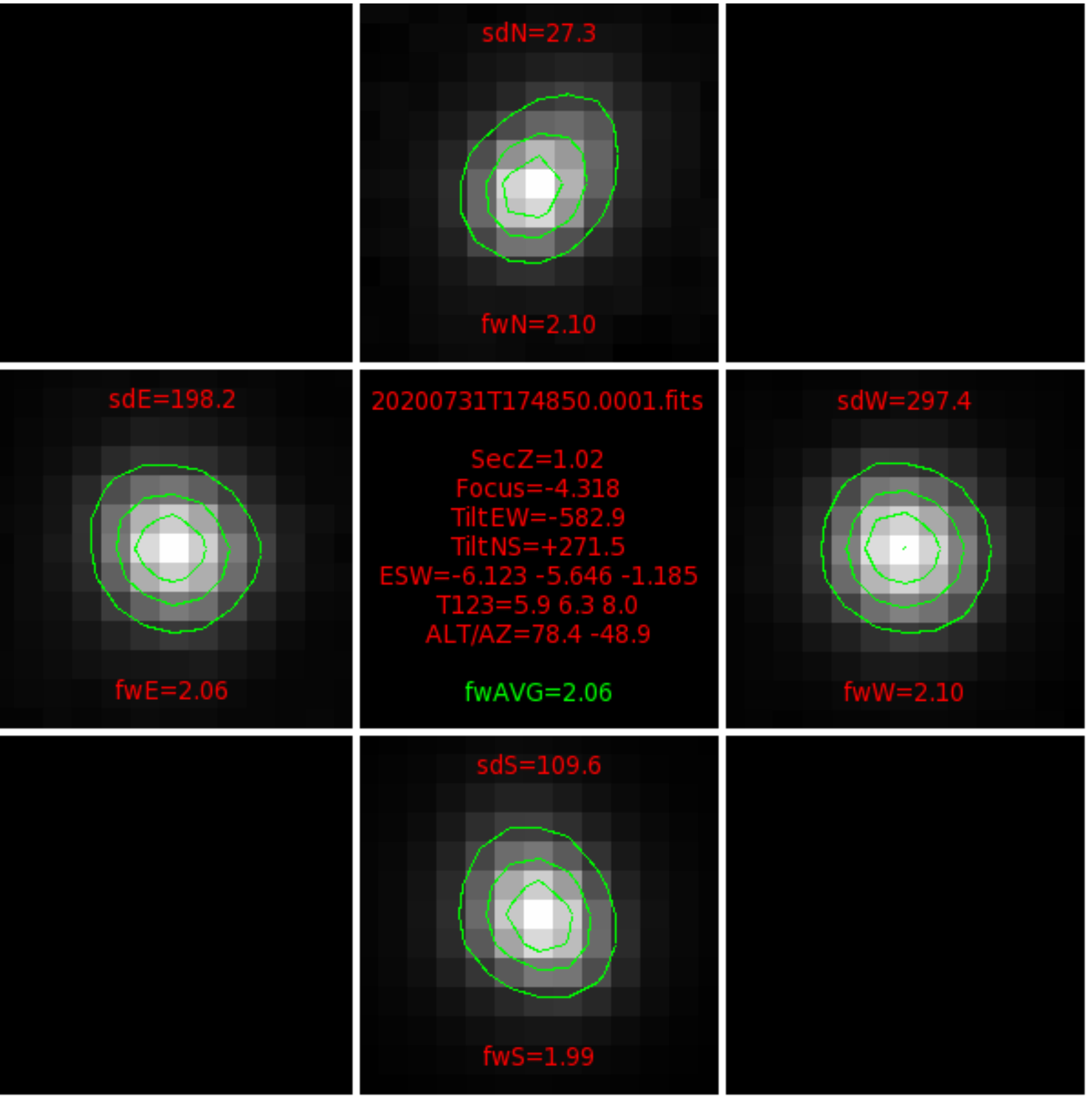
sdN=27.3
fwN=2.10
sdE=198.2
fwE=2.06
20200731T174850.0001.fits
SecZ=1.02
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=5.9 6.3 8.0
ALT/AZ=78.4 -48.9
fwAVG=2.06
sdW=297.4
fwW=2.10
sdS=109.6
fwS=1.99
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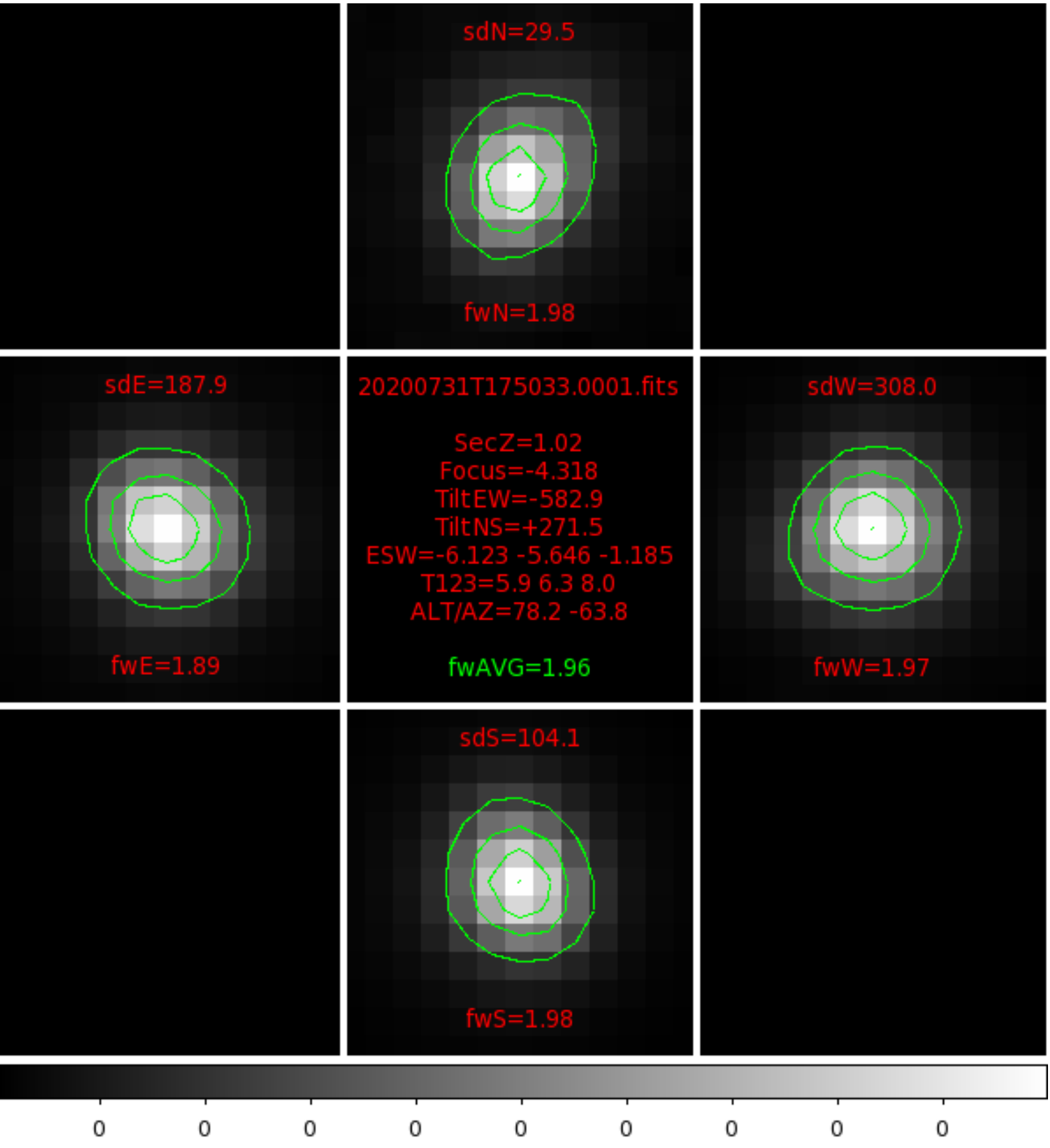
sdN=29.5
fwN=1.98
sdE=187.9
fwE=1.89
20200731T175033.0001.fits
SecZ=1.02
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=5.9 6.3 8.0
ALT/AZ=78.2 -63.8
fwAVG=1.96
sdW=308.0
fwW=1.97
sdS=104.1
fwS=1.98
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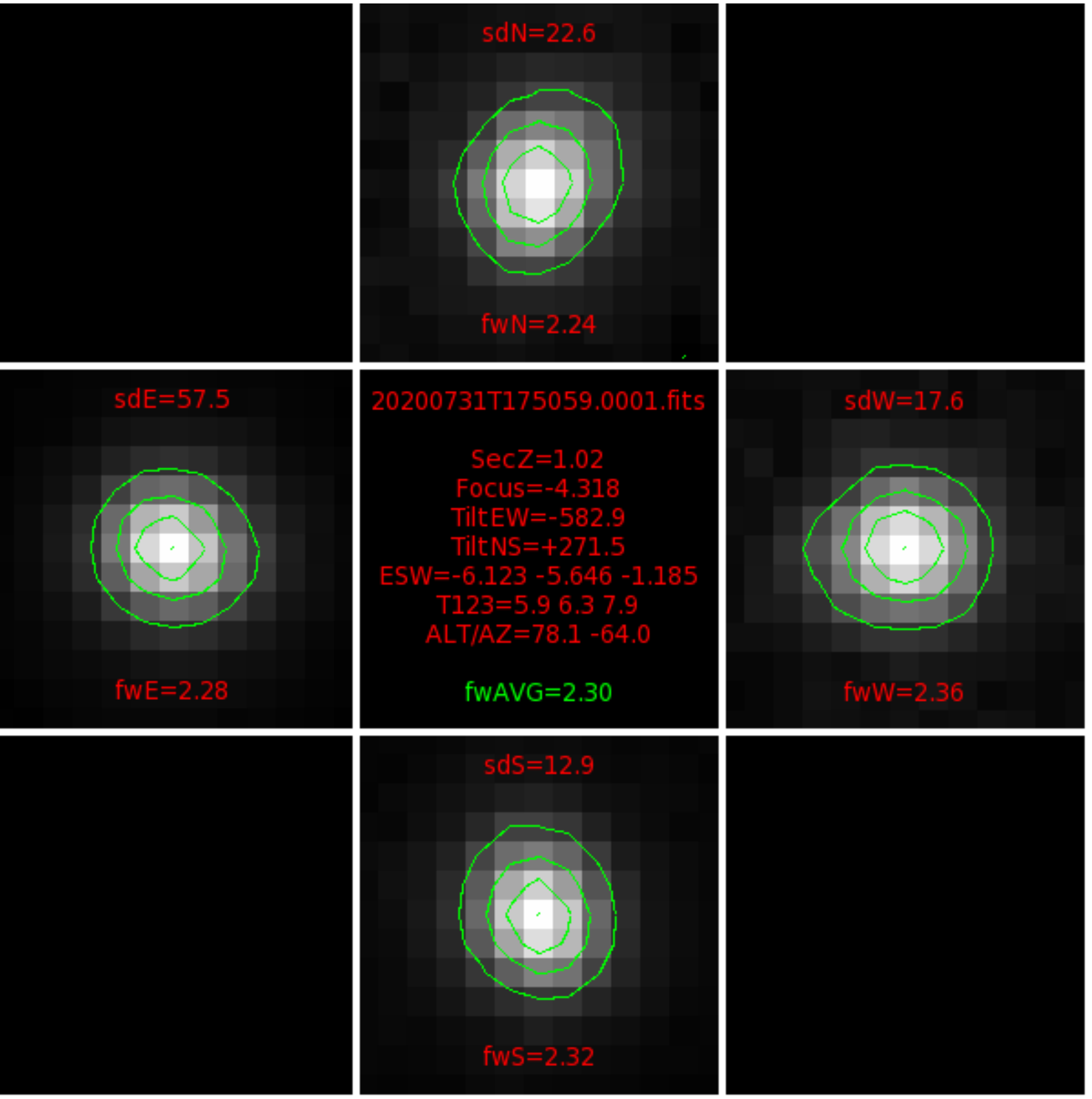
sdN=22.6
fwN=2.24
sdE=57.5
fwE=2.28
20200731T175059.0001.fits
SecZ=1.02
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=5.9 6.3 7.9
ALT/AZ=78.1 -64.0
fwAVG=2.30
sdW=17.6
fwW=2.36
sdS=12.9
fwS=2.32
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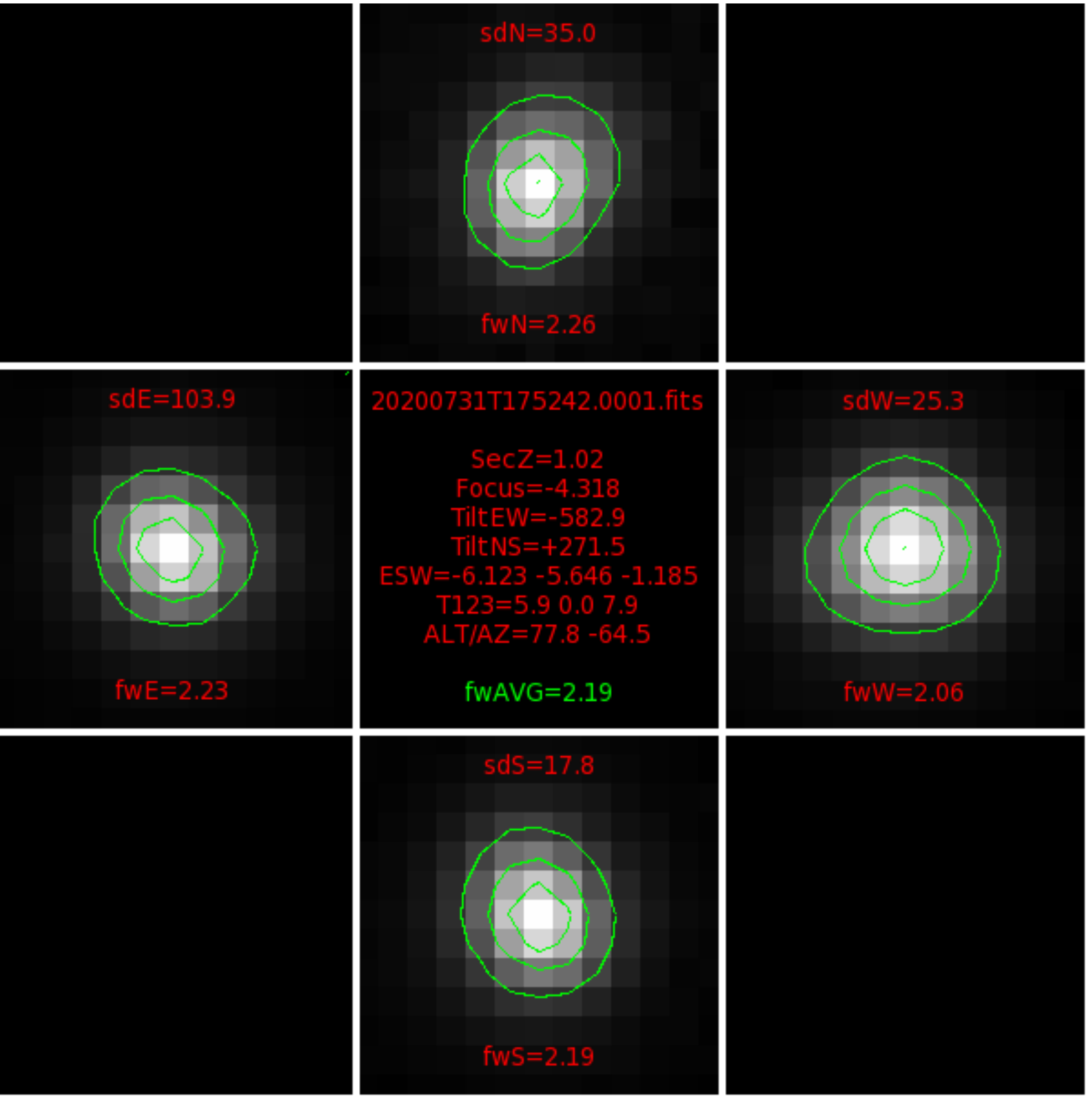
sdN=35.0
fwN=2.26
sdE=103.9
fwE=2.23
20200731T175242.0001.fits
SecZ=1.02
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=5.9 0.0 7.9
ALT/AZ=77.8 -64.5
fwAVG=2.19
sdW=25.3
fwW=2.06
sdS=17.8
fwS=2.19
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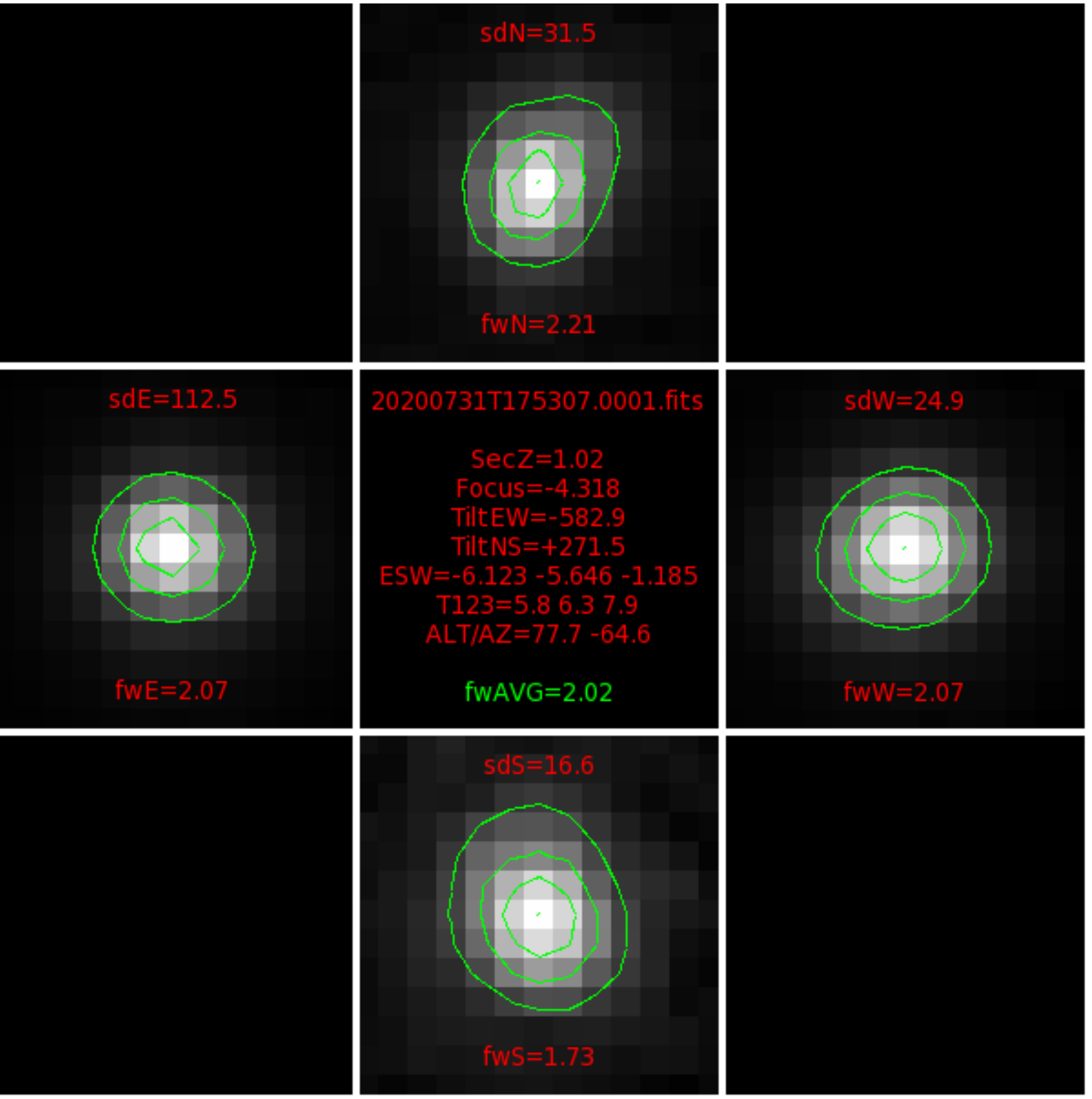
sdN=31.5
fwN=2.21
sdE=112.5
fwE=2.07
20200731T175307.0001.fits
SecZ=1.02
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=5.8 6.3 7.9
ALT/AZ=77.7 -64.6
fwAVG=2.02
sdW=24.9
fwW=2.07
sdS=16.6
fwS=1.73
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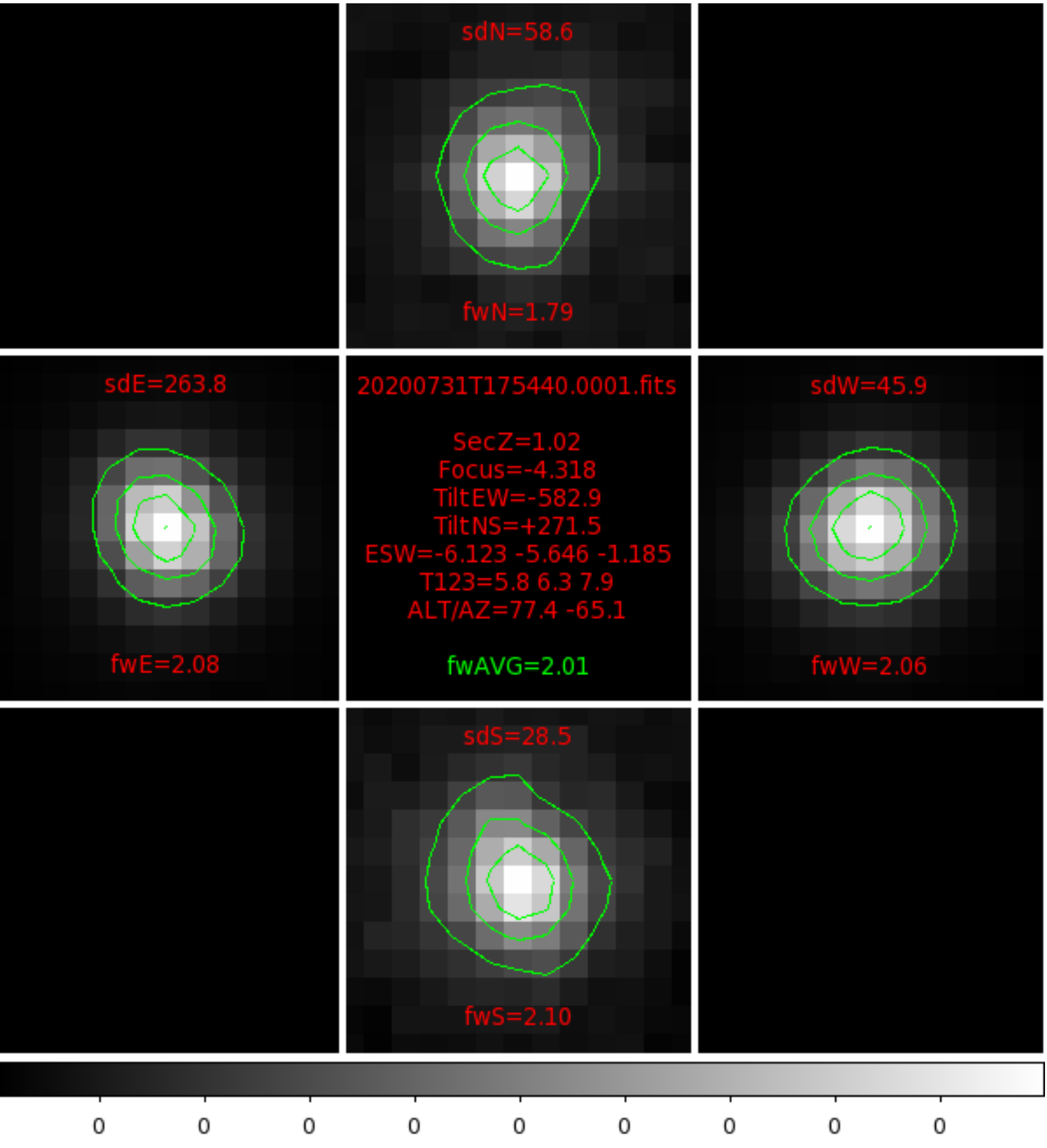
sdN=58.6
fwN=1.79
sdE=263.8
fwE=2.08
20200731T175440.0001.fits
SecZ=1.02
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=5.8 6.3 7.9
ALT/AZ=77.4 -65.1
fwAVG=2.01
sdW=45.9
fwW=2.06
sdS=28.5
fwS=2.10
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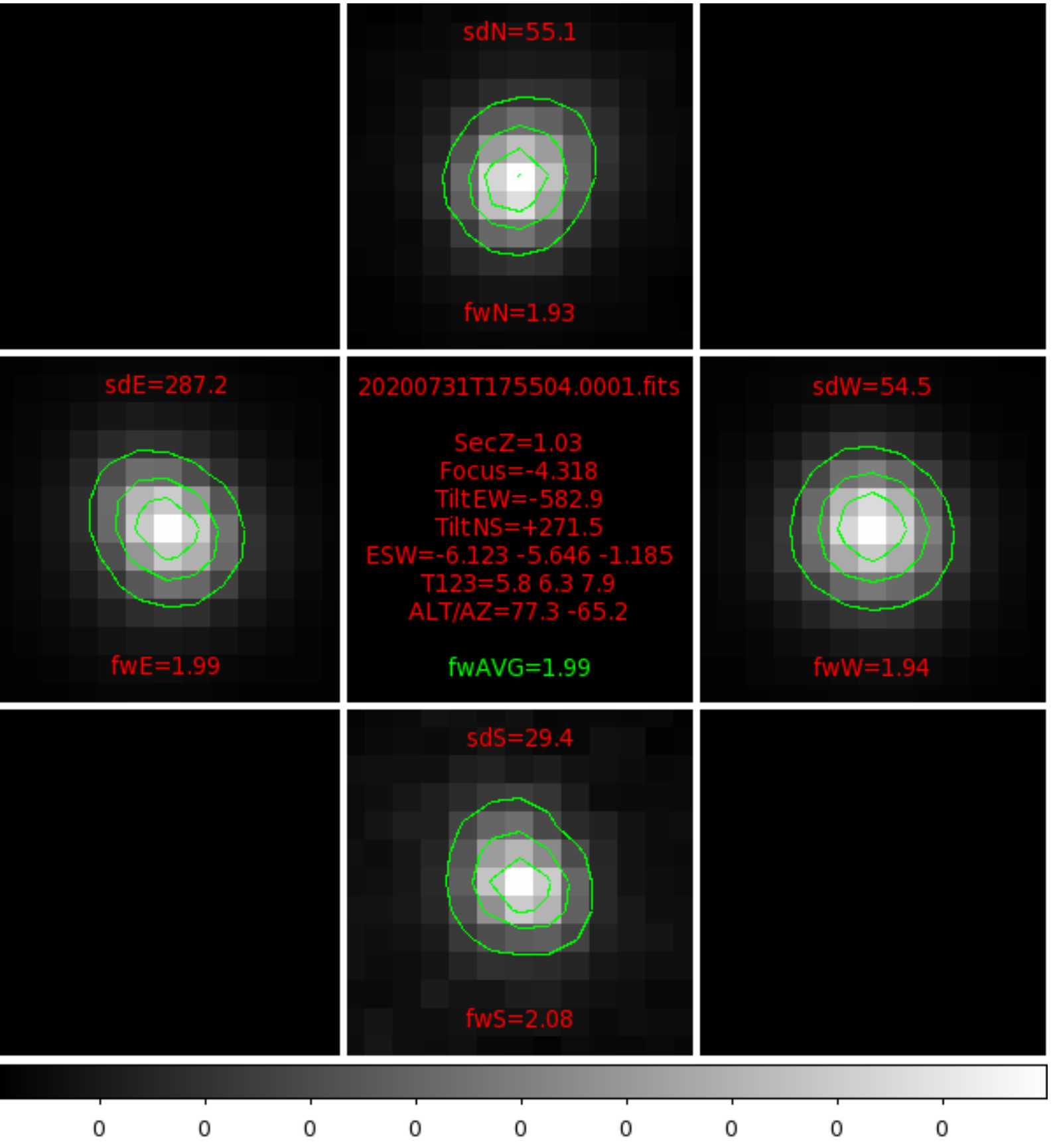
sdN=55.1
fwN=1.93
sdE=287.2
fwE=1.99
20200731T175504.0001.fits
SecZ=1.03
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=5.8 6.3 7.9
ALT/AZ=77.3 -65.2
fwAVG=1.99
sdW=54.5
fwW=1.94
sdS=29.4
fwS=2.08
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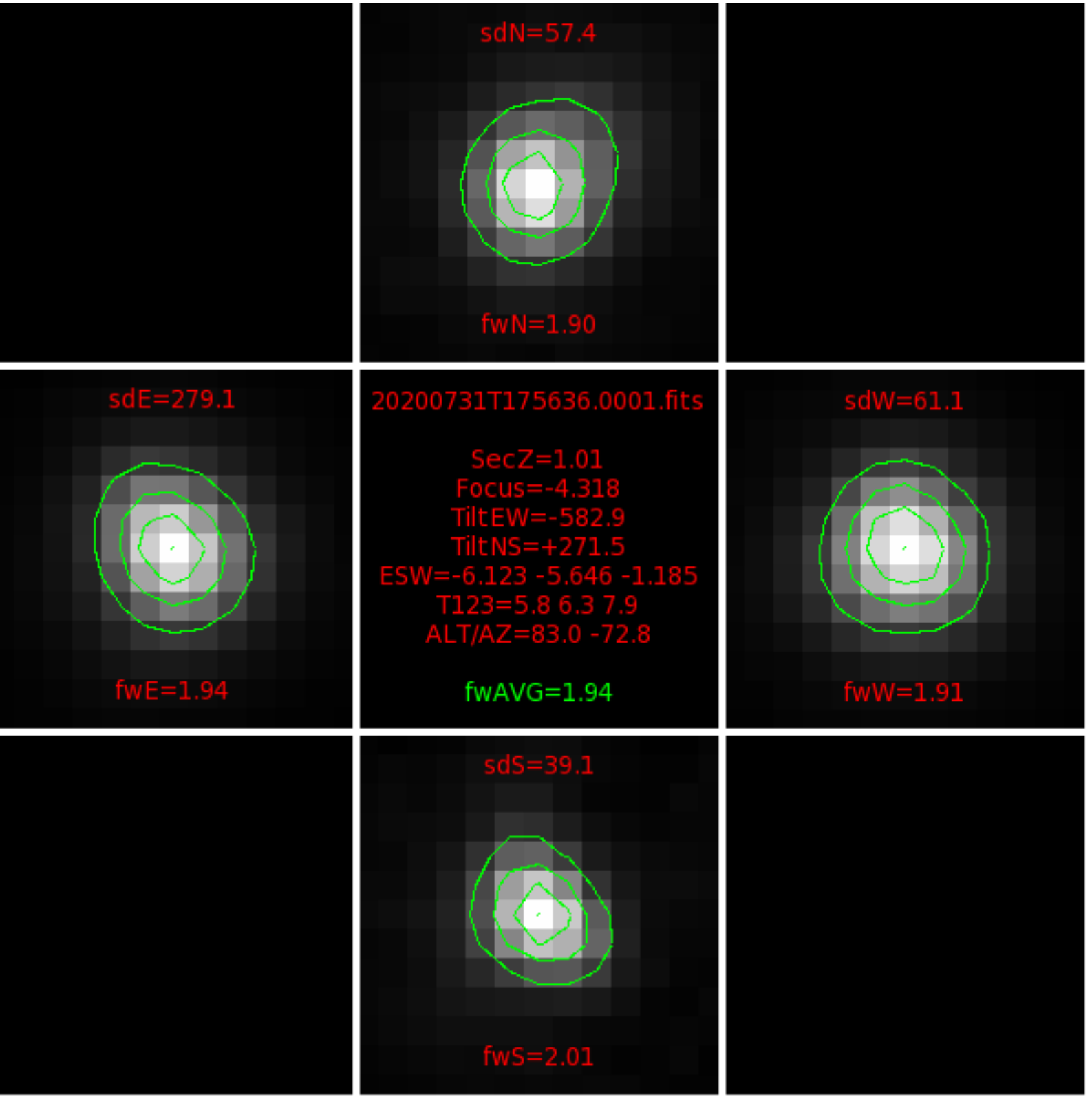
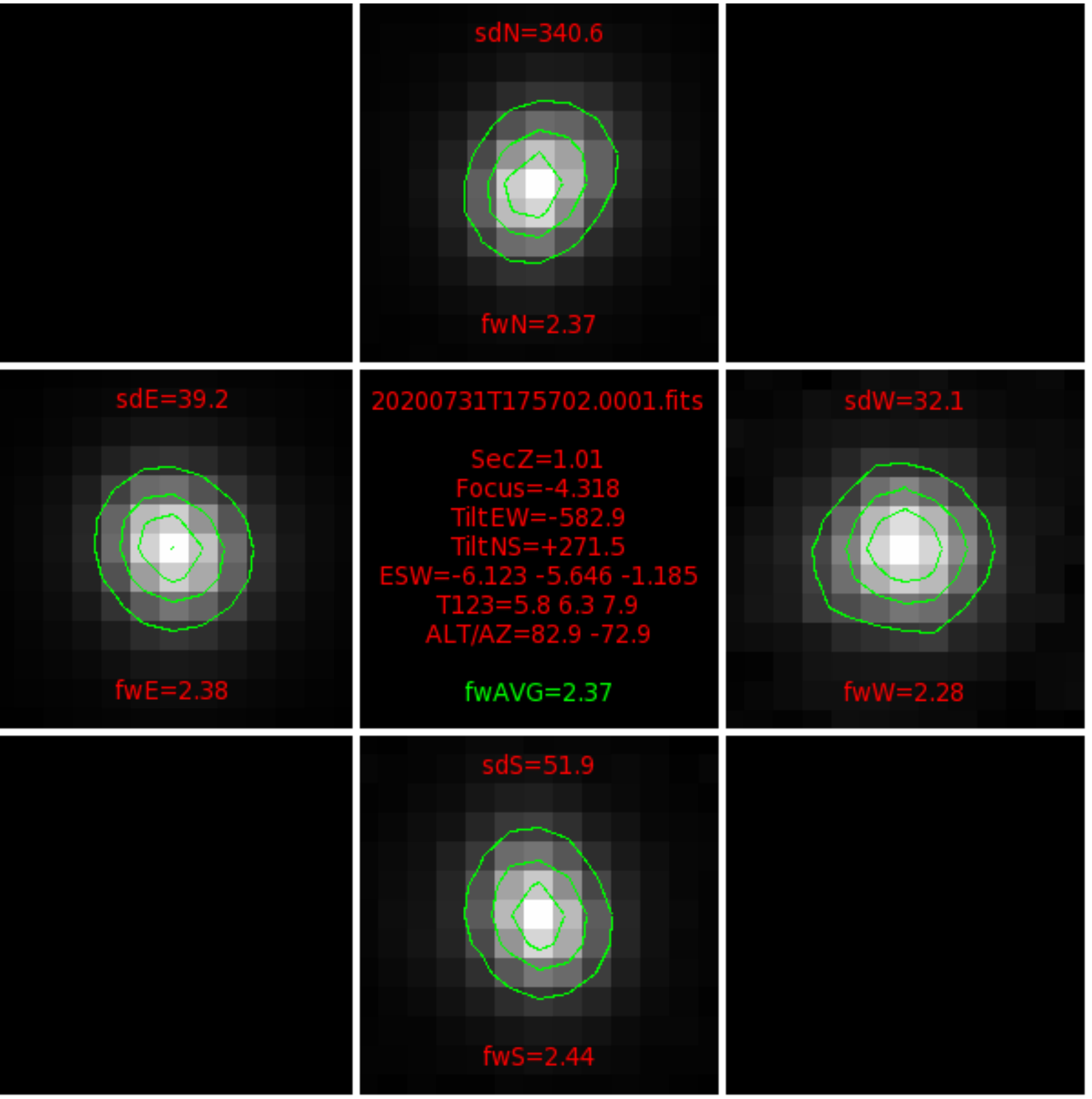

sdN=57.4
fwN=1.90
sdE=279.1
fwE=1.94
20200731T175636.0001.fits
SecZ=1.01
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=5.8 6.3 7.9
ALT/AZ=83.0 -72.8
fwAVG=1.94
sdW=61.1
fwW=1.91
sdS=39.1
fwS=2.01
0 0 0 0 0 0 0 0 0


sdN=340.6
fwN=2.37
sdE=39.2
fwE=2.38
20200731T175702.0001.fits
SecZ=1.01
Focus=-4.318
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.123 -5.646 -1.185
T123=5.8 6.3 7.9
ALT/AZ=82.9 -72.9
fwAVG=2.37
sdW=32.1
fwW=2.28
sdS=51.9
fwS=2.44
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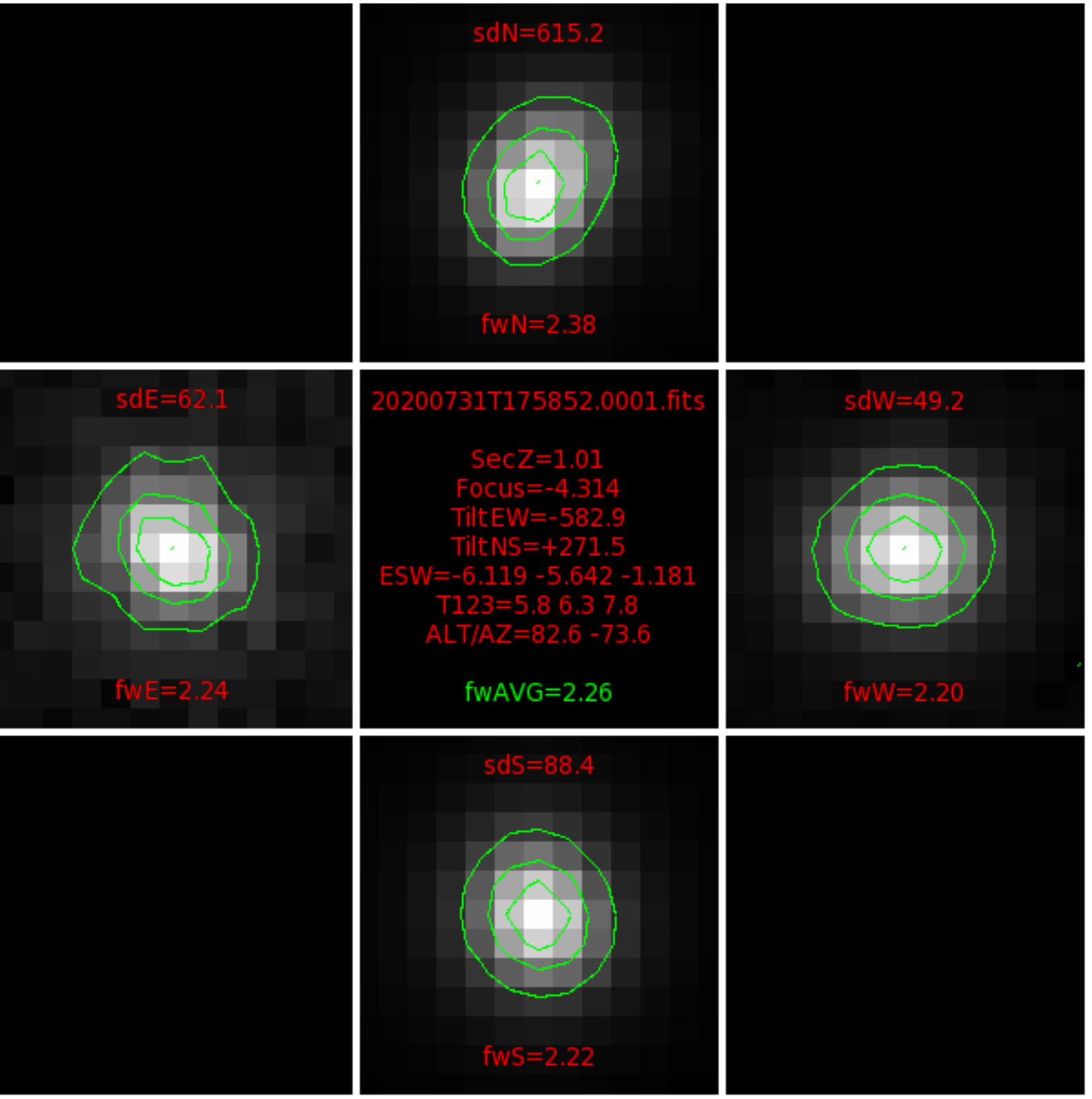
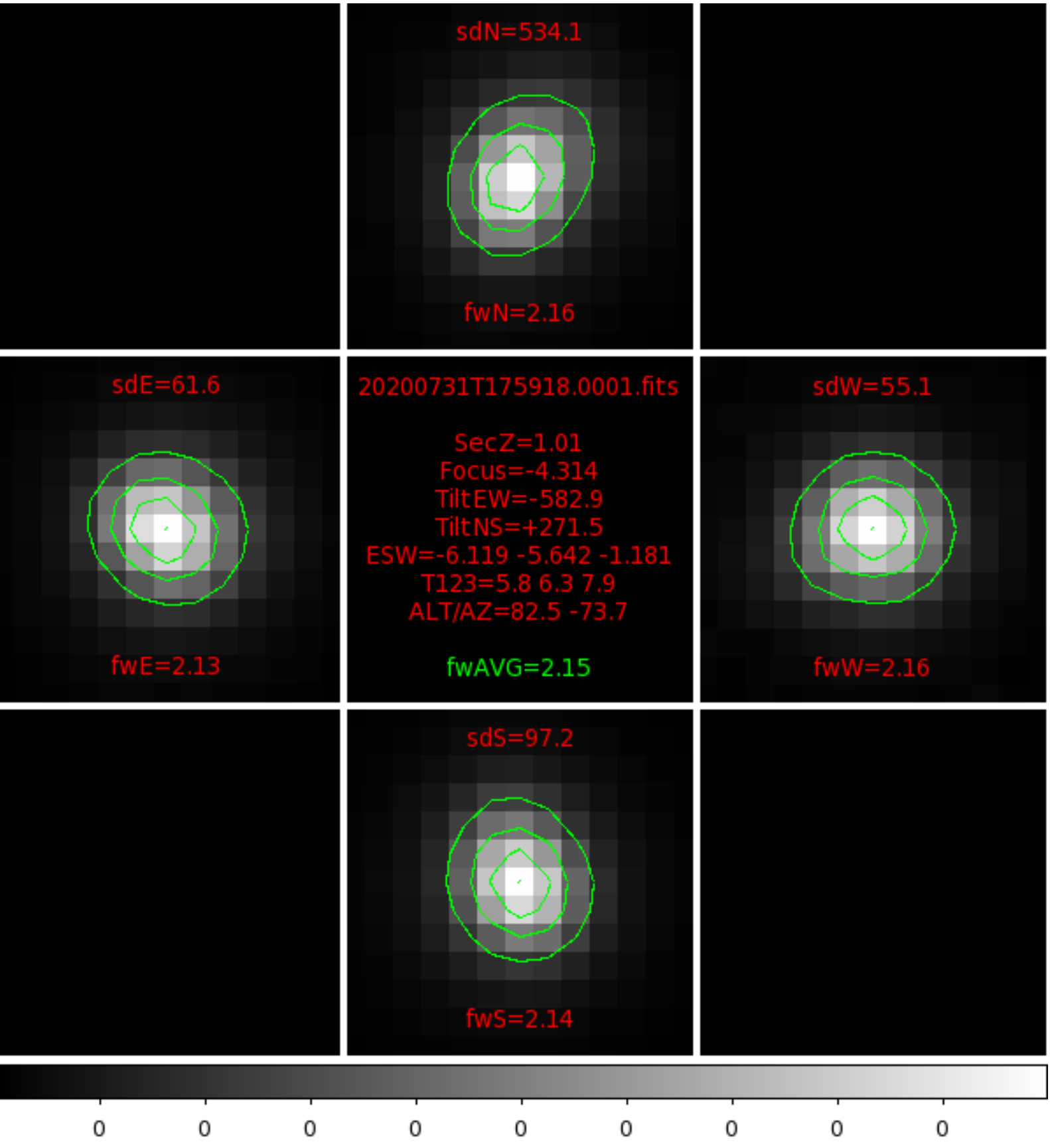

sdN=615.2
fwN=2.38
sdE=62.1
fwE=2.24
20200731T175852.0001.fits
SecZ=1.01
Focus=-4.314
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.119 -5.642 -1.181
T123=5.8 6.3 7.8
ALT/AZ=82.6 -73.6
fwAVG=2.26
sdW=49.2
fwW=2.20
sdS=88.4
fwS=2.22
0 0 0 0 0 0 0 0 0


sdN=534.1
fwN=2.16
sdE=61.6
fwE=2.13
20200731T175918.0001.fits
SecZ=1.01
Focus=-4.314
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.119 -5.642 -1.181
T123=5.8 6.3 7.9
ALT/AZ=82.5 -73.7
fwAVG=2.15
sdW=55.1
fwW=2.16
sdS=97.2
fwS=2.14
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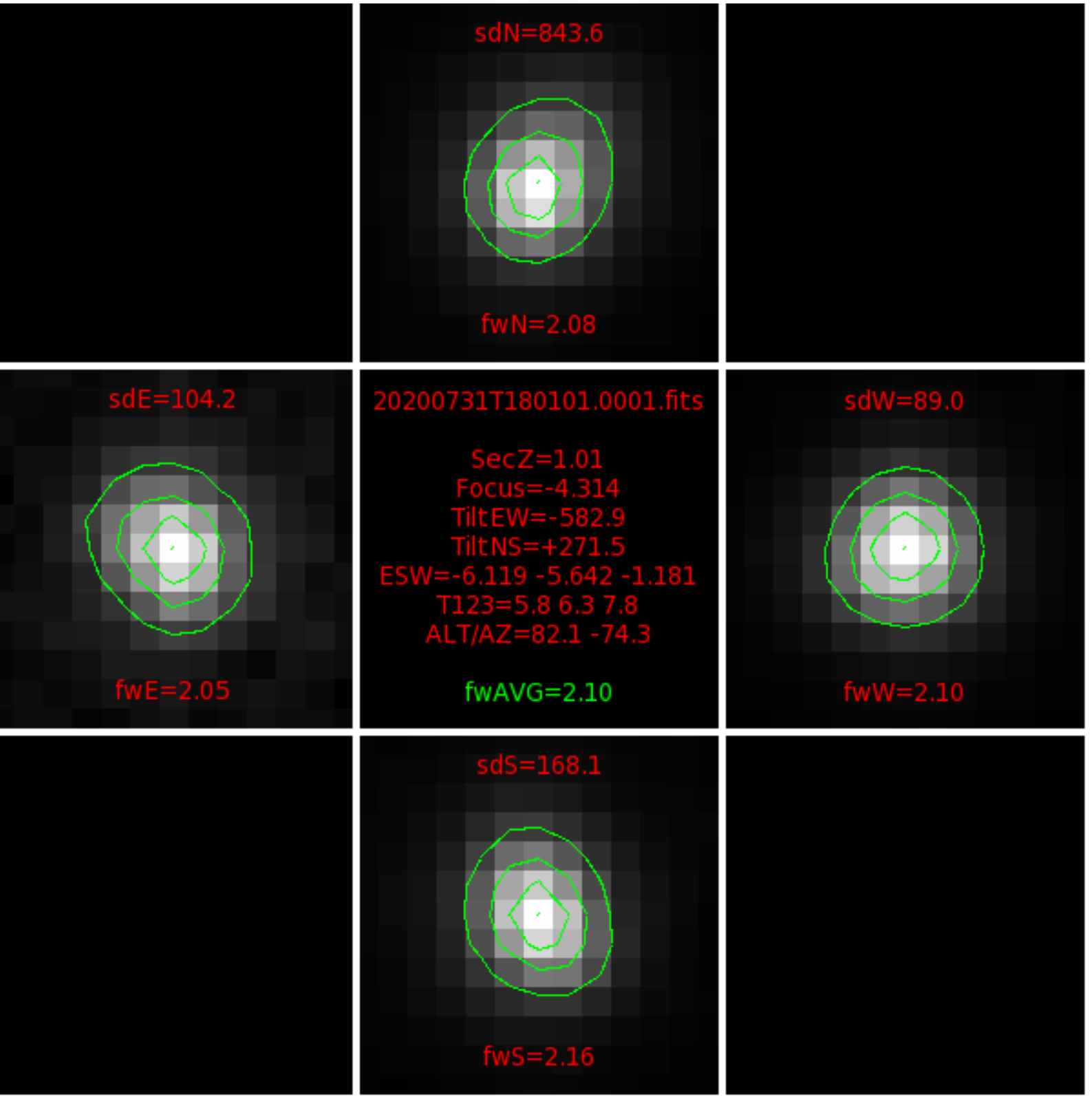
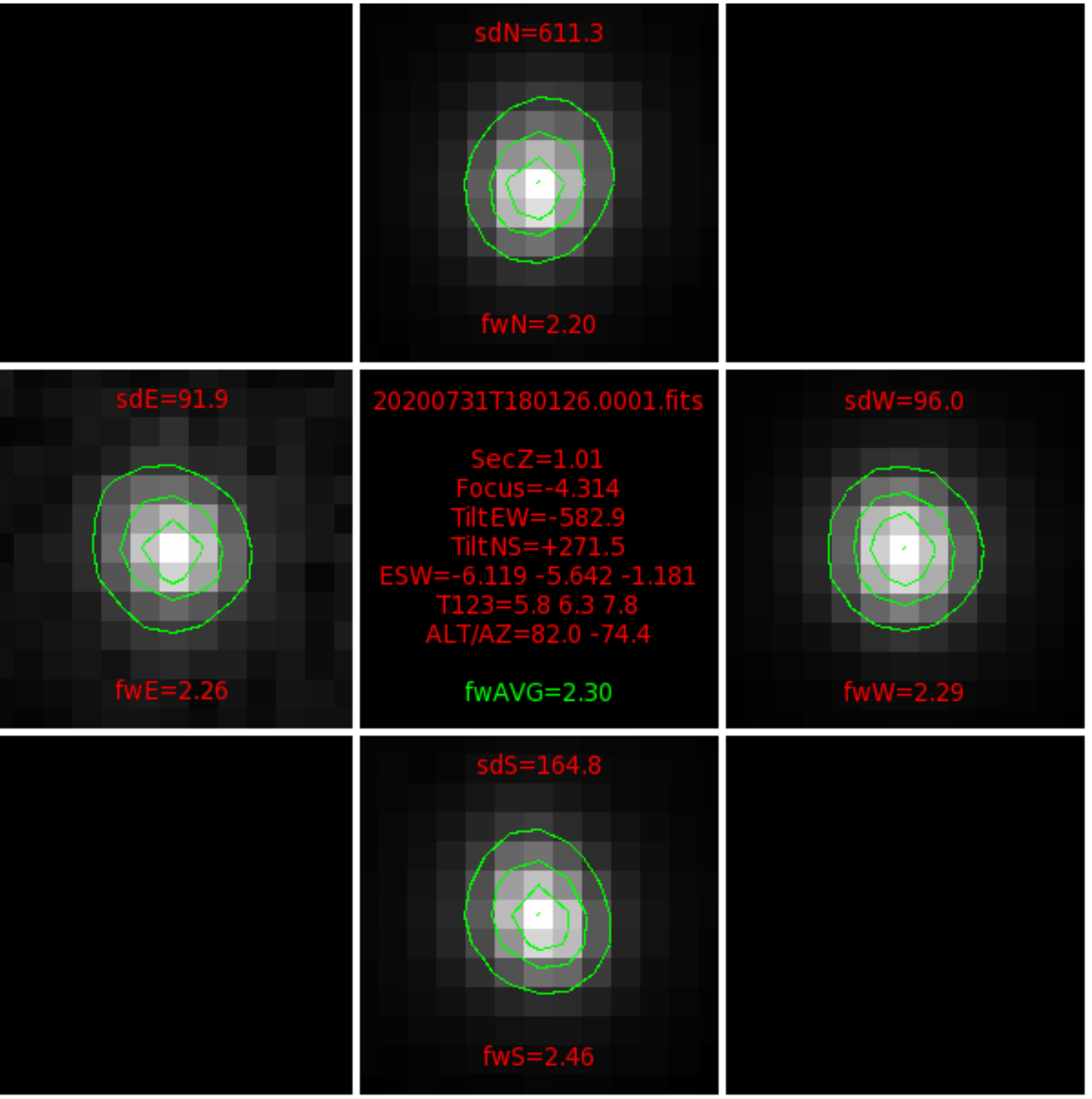

sdN=843.6
fwN=2.08
sdE=104.2
fwE=2.05
20200731T180101.0001.fits
SecZ=1.01
Focus=-4.314
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.119 -5.642 -1.181
T123=5.8 6.3 7.8
ALT/AZ=82.1 -74.3
fwAVG=2.10
sdW=89.0
fwW=2.10
sdS=168.1
fwS=2.16
0 0 0 0 0 0 0 0 0


sdN=611.3
fwN=2.20
sdE=91.9
fwE=2.26
20200731T180126.0001.fits
SecZ=1.01
Focus=-4.314
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.119 -5.642 -1.181
T123=5.8 6.3 7.8
ALT/AZ=82.0 -74.4
fwAVG=2.30
sdW=96.0
fwW=2.29
sdS=164.8
fwS=2.46
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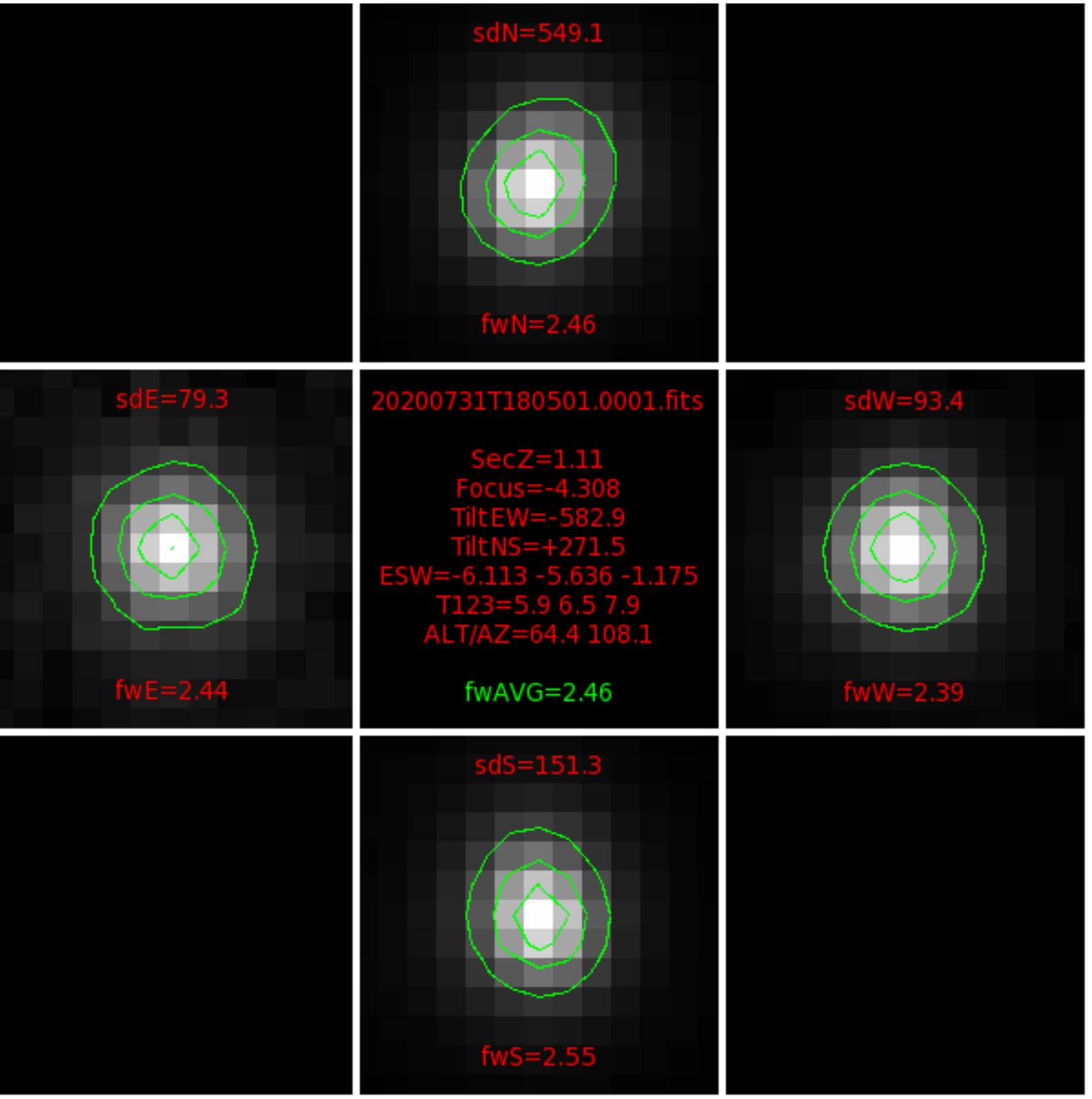
sdN=549.1
fwN=2.46
sdE=79.3
fwE=2.44
20200731T180501.0001.fits
SecZ=1.11
Focus=-4.308
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.113 -5.636 -1.175
T123=5.9 6.5 7.9
ALT/AZ=64.4 108.1
fwAVG=2.46
sdW=93.4
fwW=2.39
sdS=151.3
fwS=2.55
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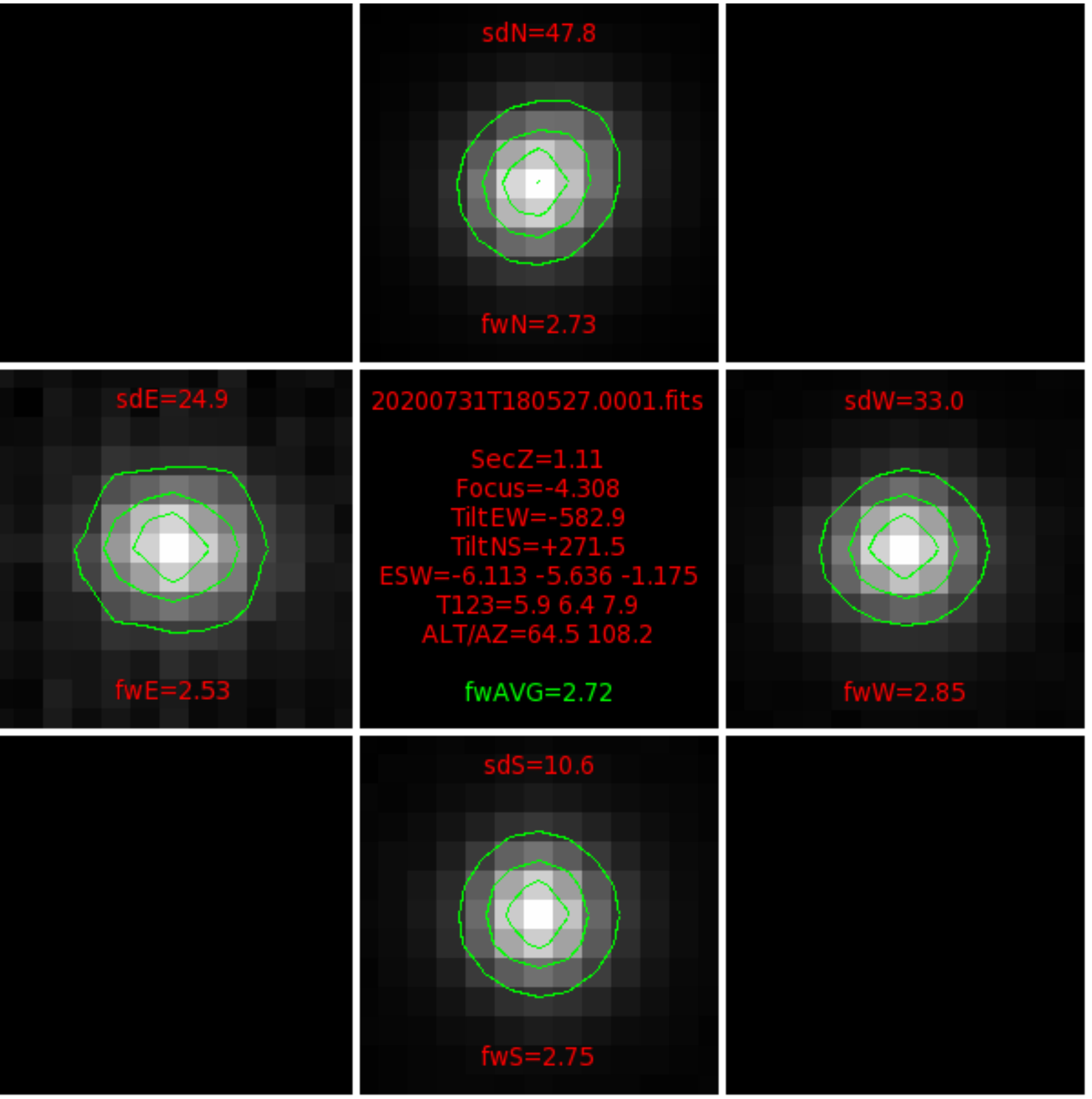
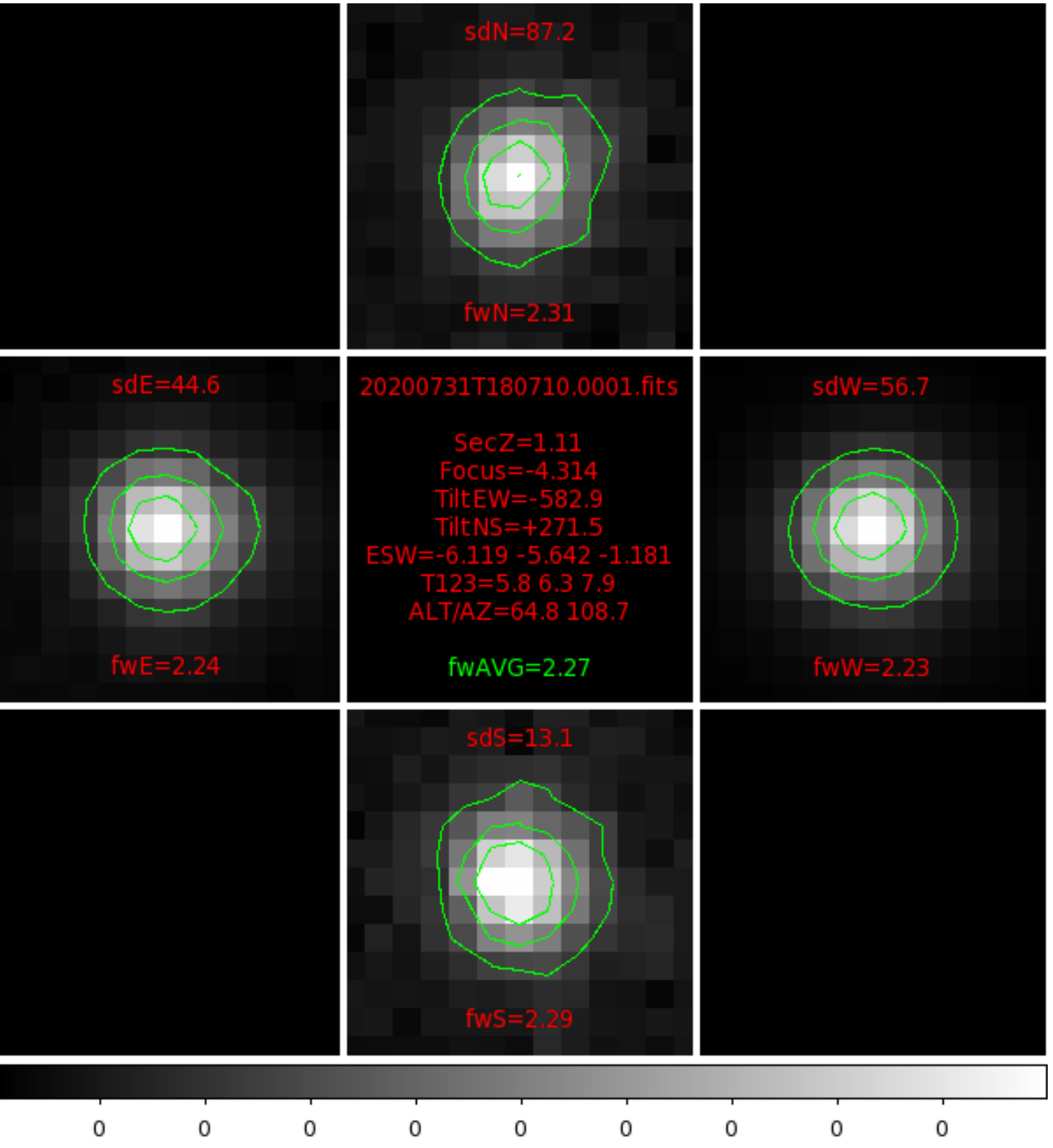
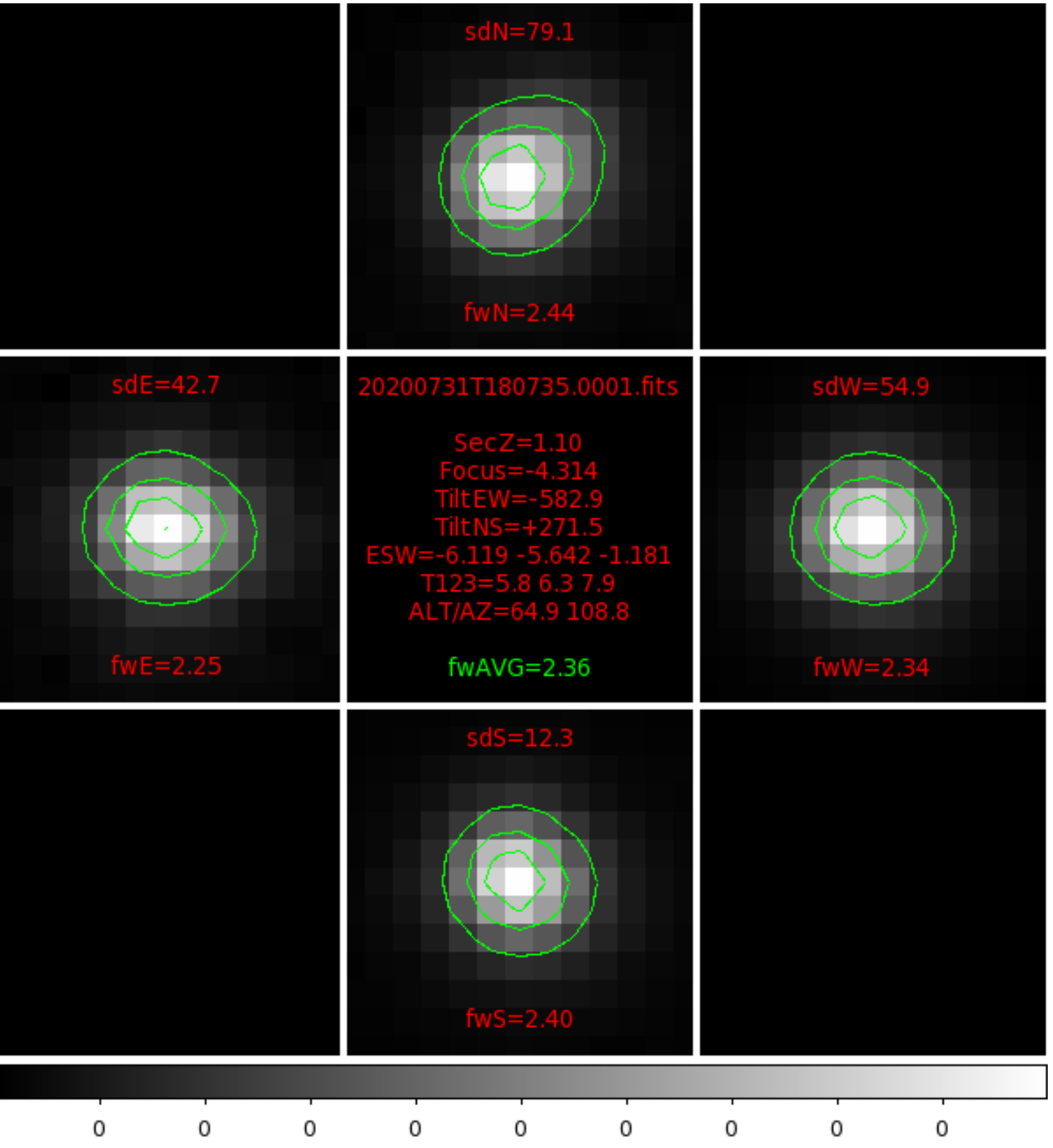

sdN=47.8
fwN=2.73
sdE=24.9
fwE=2.53
20200731T180527.0001.fits
SecZ=1.11
Focus=-4.308
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.113 -5.636 -1.175
T123=5.9 6.4 7.9
ALT/AZ=64.5 108.2
fwAVG=2.72
sdW=33.0
fwW=2.85
sdS=10.6
fwS=2.75
0 0 0 0 0 0 0 0 0


sdN=87.2
fwN=2.31
sdE=44.6
fwE=2.24
20200731T180710.0001.fits
SecZ=1.11
Focus=-4.314
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.119 -5.642 -1.181
T123=5.8 6.3 7.9
ALT/AZ=64.8 108.7
fwAVG=2.27
sdW=56.7
fwW=2.23
sdS=13.1
fwS=2.29
0 0 0 0 0 0 0 0 0


sdN=79.1
fwN=2.44
sdE=42.7
fwE=2.25
20200731T180735.0001.fits
SecZ=1.10
Focus=-4.314
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.119 -5.642 -1.181
T123=5.8 6.3 7.9
ALT/AZ=64.9 108.8
fwAVG=2.36
sdW=54.9
fwW=2.34
sdS=12.3
fwS=2.40
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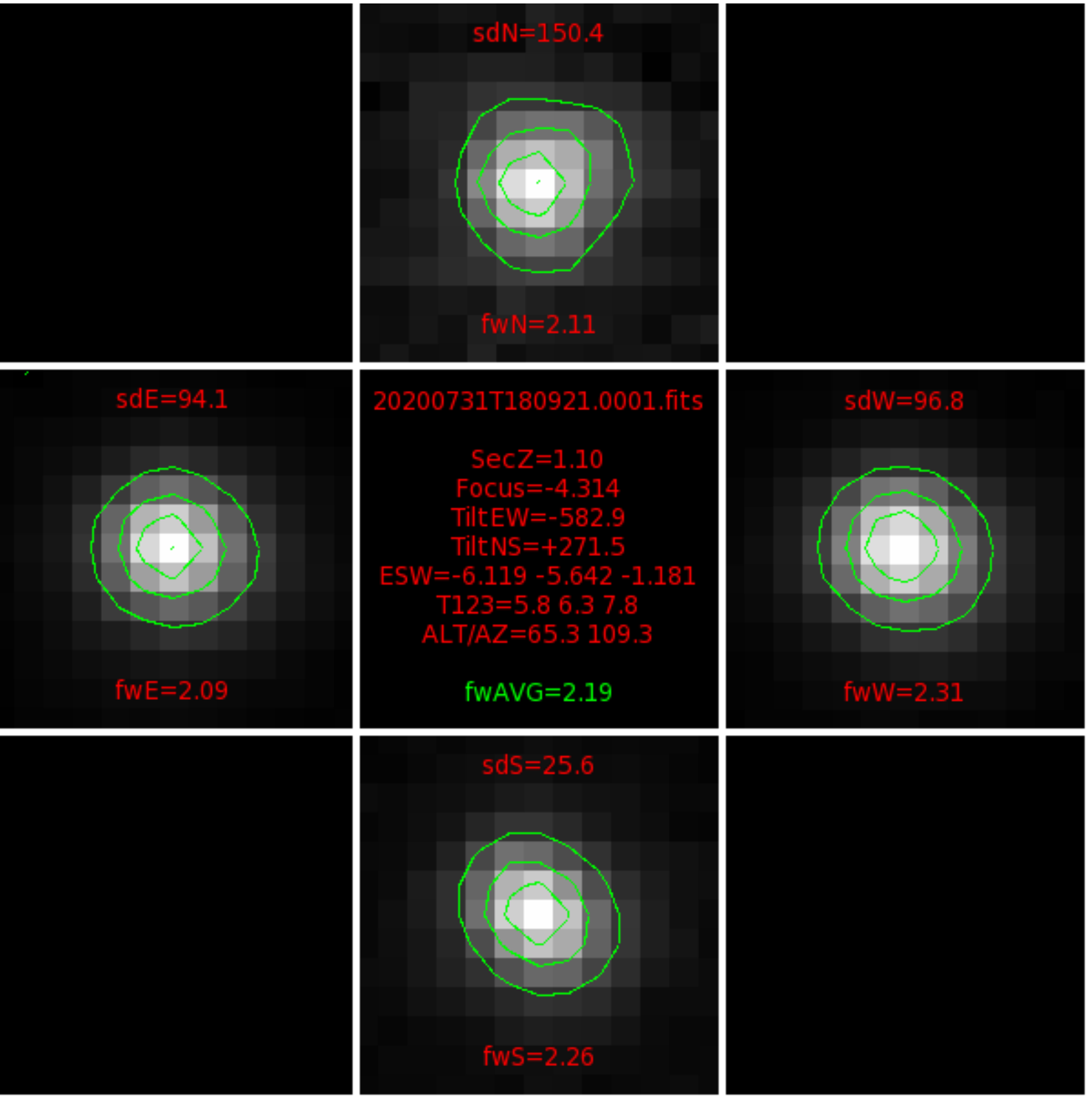
sdN=150.4
fwN=2.11
sdE=94.1
fwE=2.09
20200731T180921.0001.fits
SecZ=1.10
Focus=-4.314
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.119 -5.642 -1.181
T123=5.8 6.3 7.8
ALT/AZ=65.3 109.3
fwAVG=2.19
sdW=96.8
fwW=2.31
sdS=25.6
fwS=2.26
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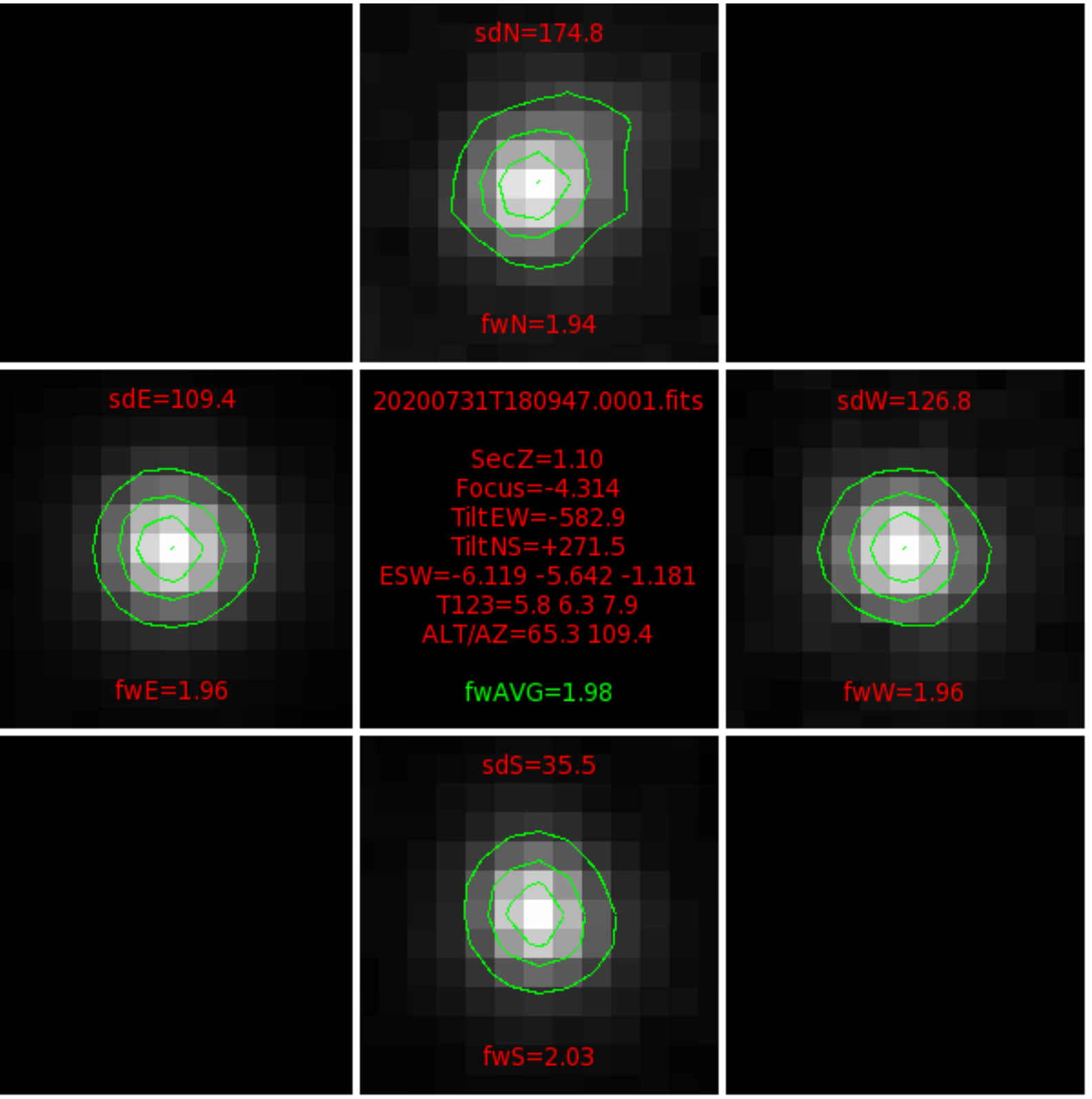
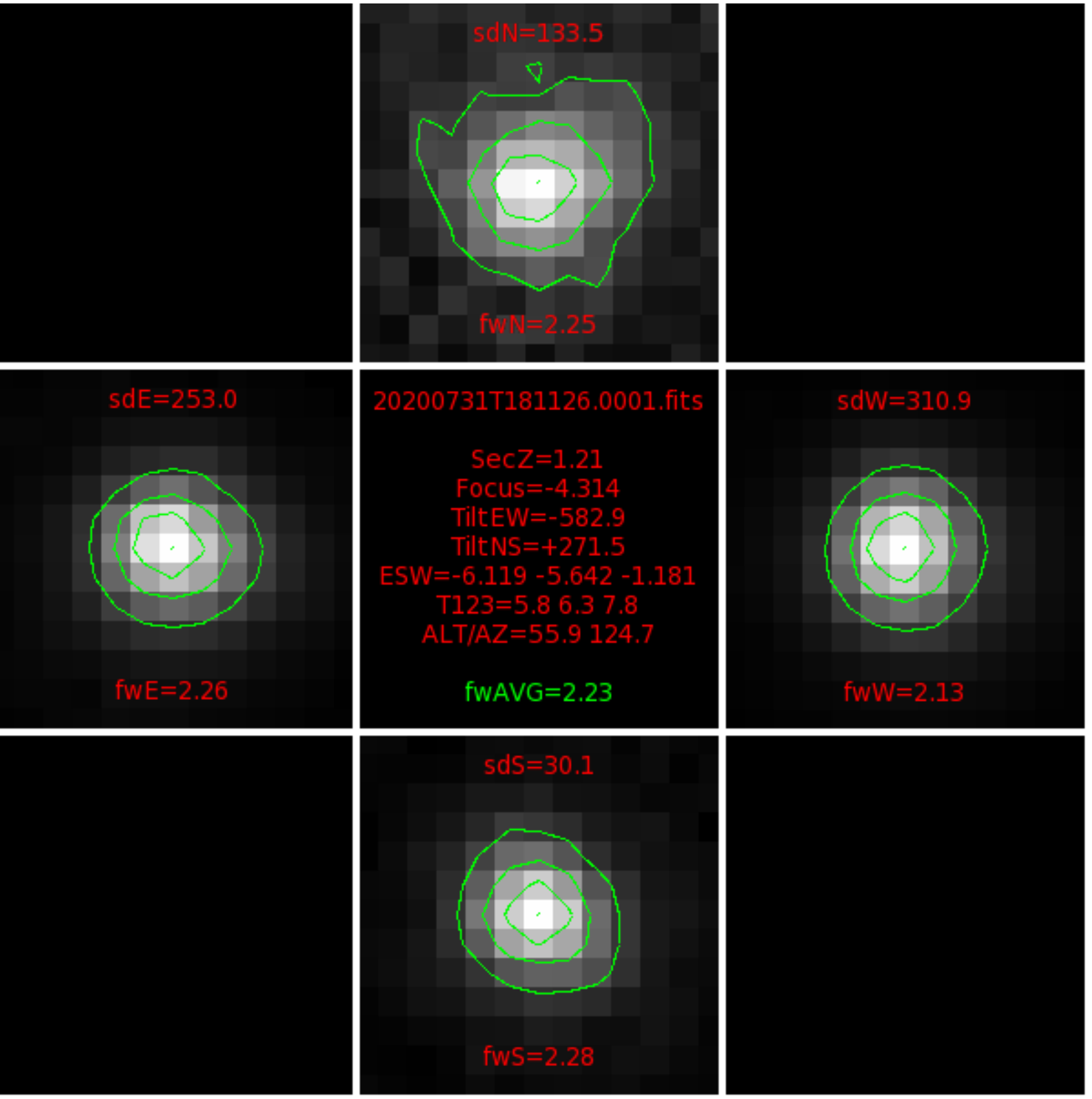

sdN=174.8
fwN=1.94
sdE=109.4
fwE=1.96
20200731T180947.0001.fits
SecZ=1.10
Focus=-4.314
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.119 -5.642 -1.181
T123=5.8 6.3 7.9
ALT/AZ=65.3 109.4
fwAVG=1.98
sdW=126.8
fwW=1.96
sdS=35.5
fwS=2.03
0 0 0 0 0 0 0 0 0


sdN=133.5
fwN=2.25
sdE=253.0
fwE=2.26
20200731T181126.0001.fits
SecZ=1.21
Focus=-4.314
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.119 -5.642 -1.181
T123=5.8 6.3 7.8
ALT/AZ=55.9 124.7
fwAVG=2.23
sdW=310.9
fwW=2.13
sdS=30.1
fwS=2.28
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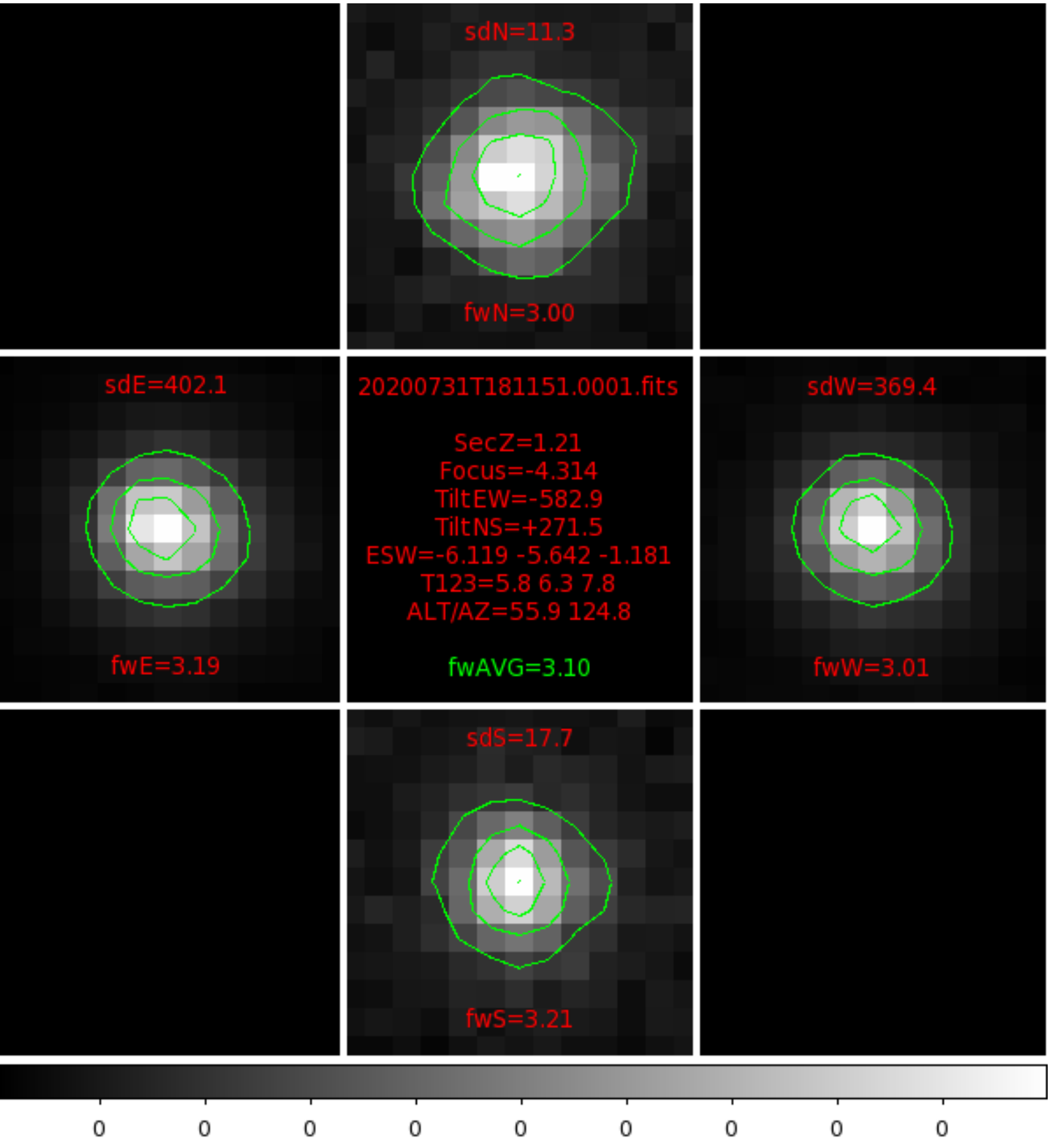
sdN=11.3
fwN=3.00
sdE=402.1
fwE=3.19
20200731T181151.0001.fits
SecZ=1.21
Focus=-4.314
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.119 -5.642 -1.181
T123=5.8 6.3 7.8
ALT/AZ=55.9 124.8
fwAVG=3.10
sdW=369.4
fwW=3.01
sdS=17.7
fwS=3.21
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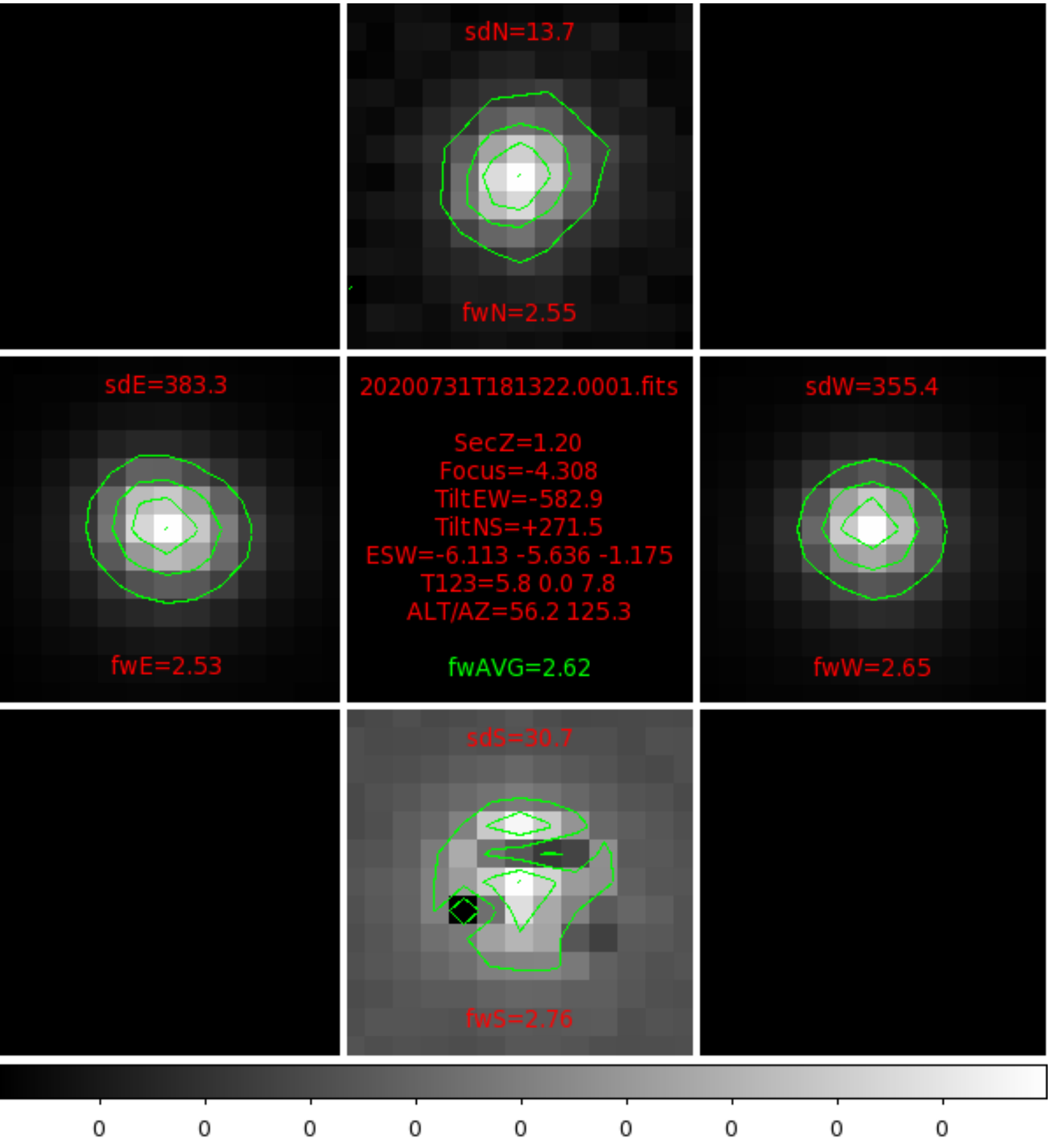
sdN=13.7
fwN=2.55
sdE=383.3
fwE=2.53
20200731T181322.0001.fits
SecZ=1.20
Focus=-4.308
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.113 -5.636 -1.175
T123=5.8 0.0 7.8
ALT/AZ=56.2 125.3
fwAVG=2.62
sdW=355.4
fwW=2.65
sdS=30.7
fwS=2.76
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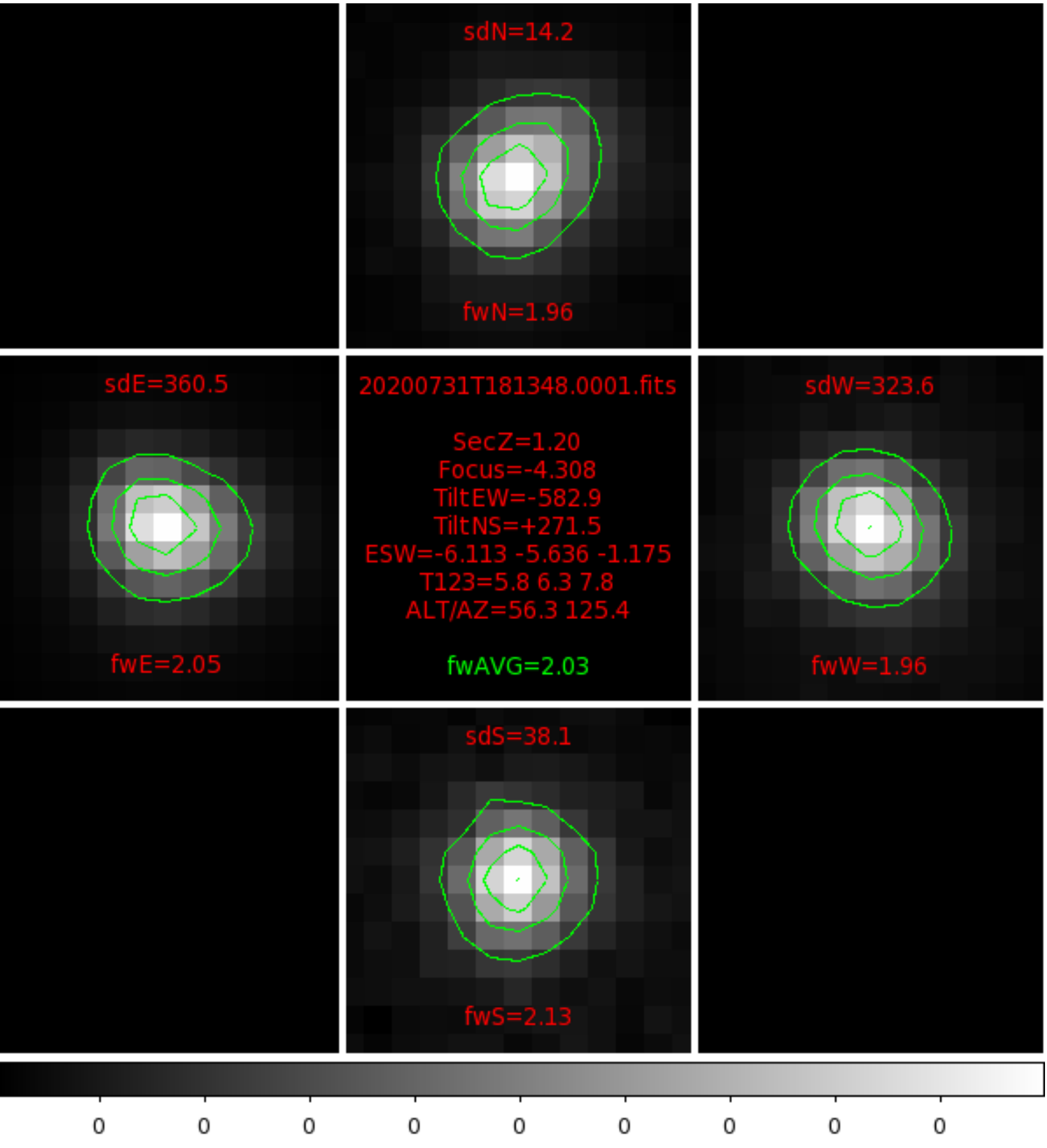
sdN=14.2
fwN=1.96
sdE=360.5
fwE=2.05
20200731T181348.0001.fits
SecZ=1.20
Focus=-4.308
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.113 -5.636 -1.175
T123=5.8 6.3 7.8
ALT/AZ=56.3 125.4
fwAVG=2.03
sdW=323.6
fwW=1.96
sdS=38.1
fwS=2.13
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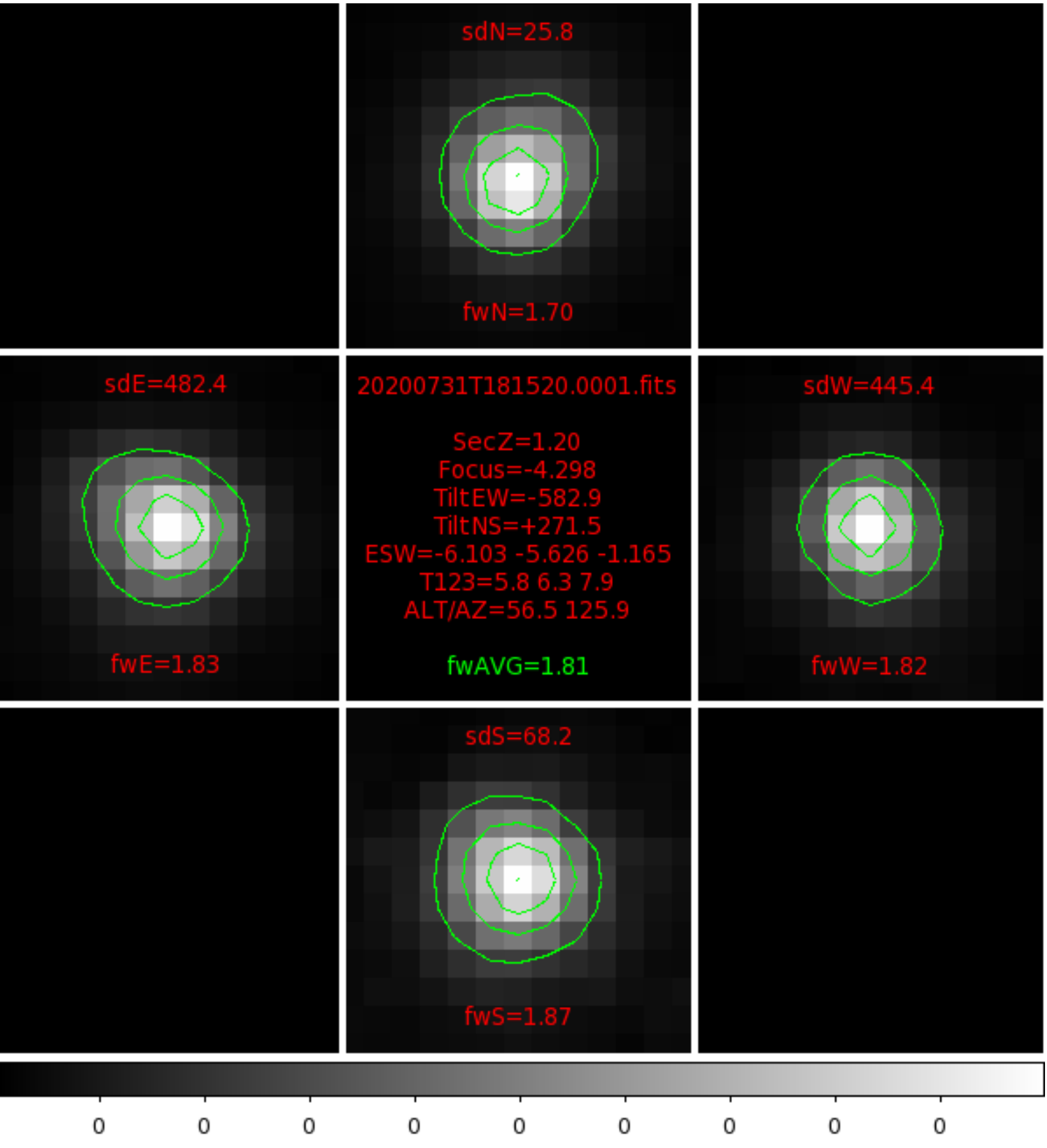
sdN=25.8
fwN=1.70
sdE=482.4
fwE=1.83
20200731T181520.0001.fits
SecZ=1.20
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.8 6.3 7.9
ALT/AZ=56.5 125.9
fwAVG=1.81
sdW=445.4
fwW=1.82
sdS=68.2
fwS=1.87
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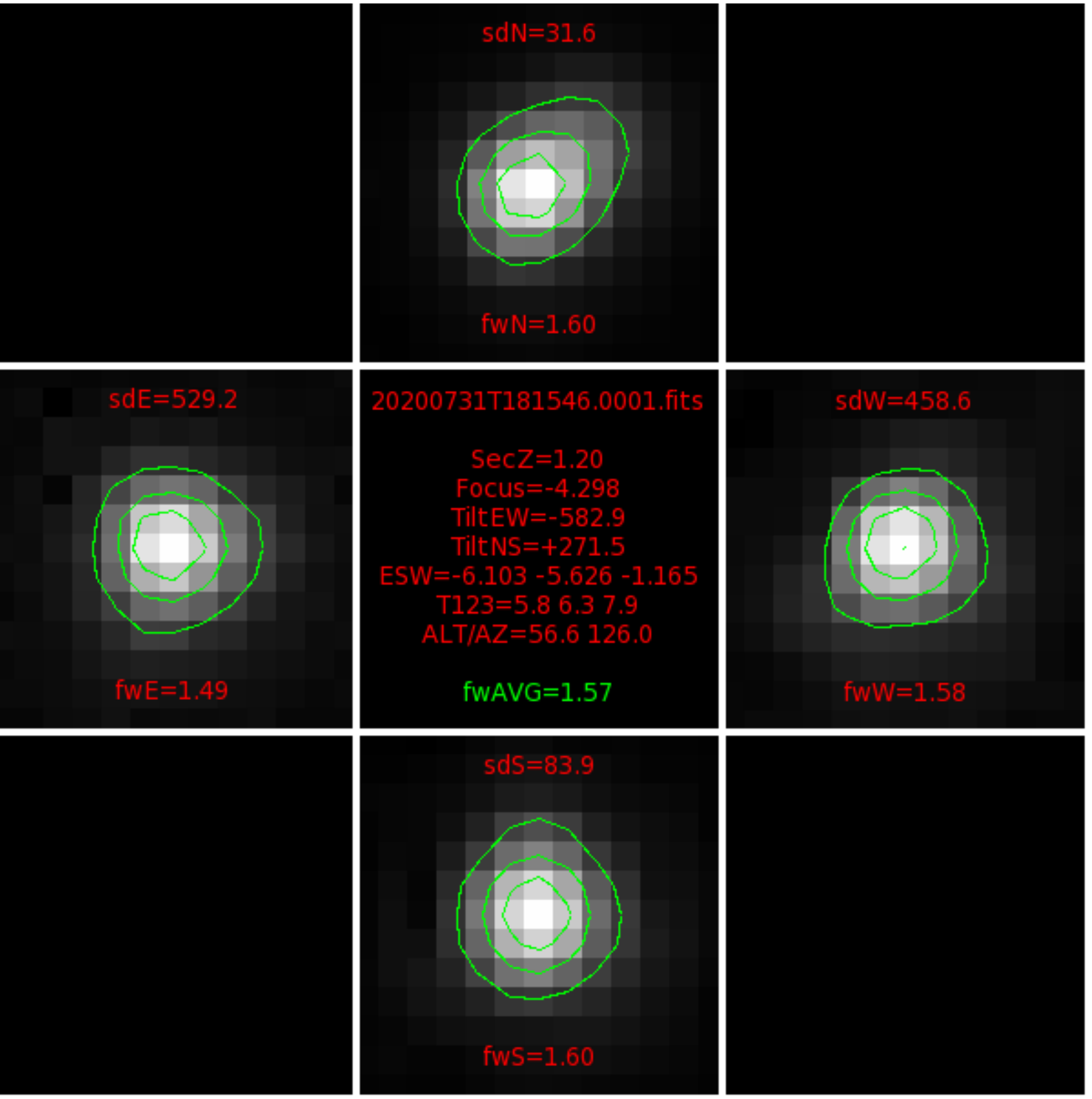
sdN=31.6
fwN=1.60
sdE=529.2
fwE=1.49
20200731T181546.0001.fits
SecZ=1.20
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.8 6.3 7.9
ALT/AZ=56.6 126.0
fwAVG=1.57
sdW=458.6
fwW=1.58
sdS=83.9
fwS=1.60
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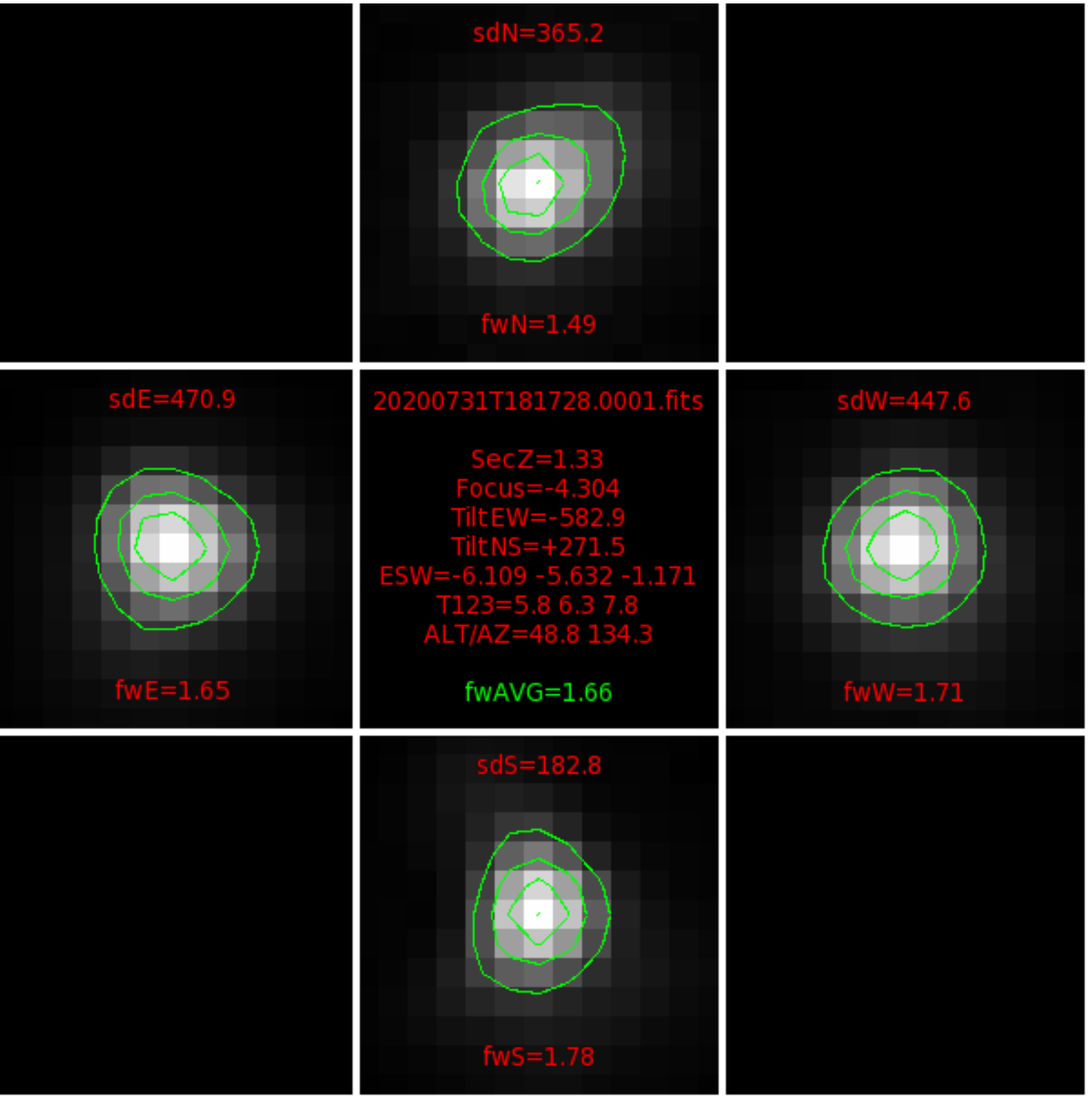
sdN=365.2
fwN=1.49
sdE=470.9
fwE=1.65
20200731T181728.0001.fits
SecZ=1.33
Focus=-4.304
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.109 -5.632 -1.171
T123=5.8 6.3 7.8
ALT/AZ=48.8 134.3
fwAVG=1.66
sdW=447.6
fwW=1.71
sdS=182.8
fwS=1.78
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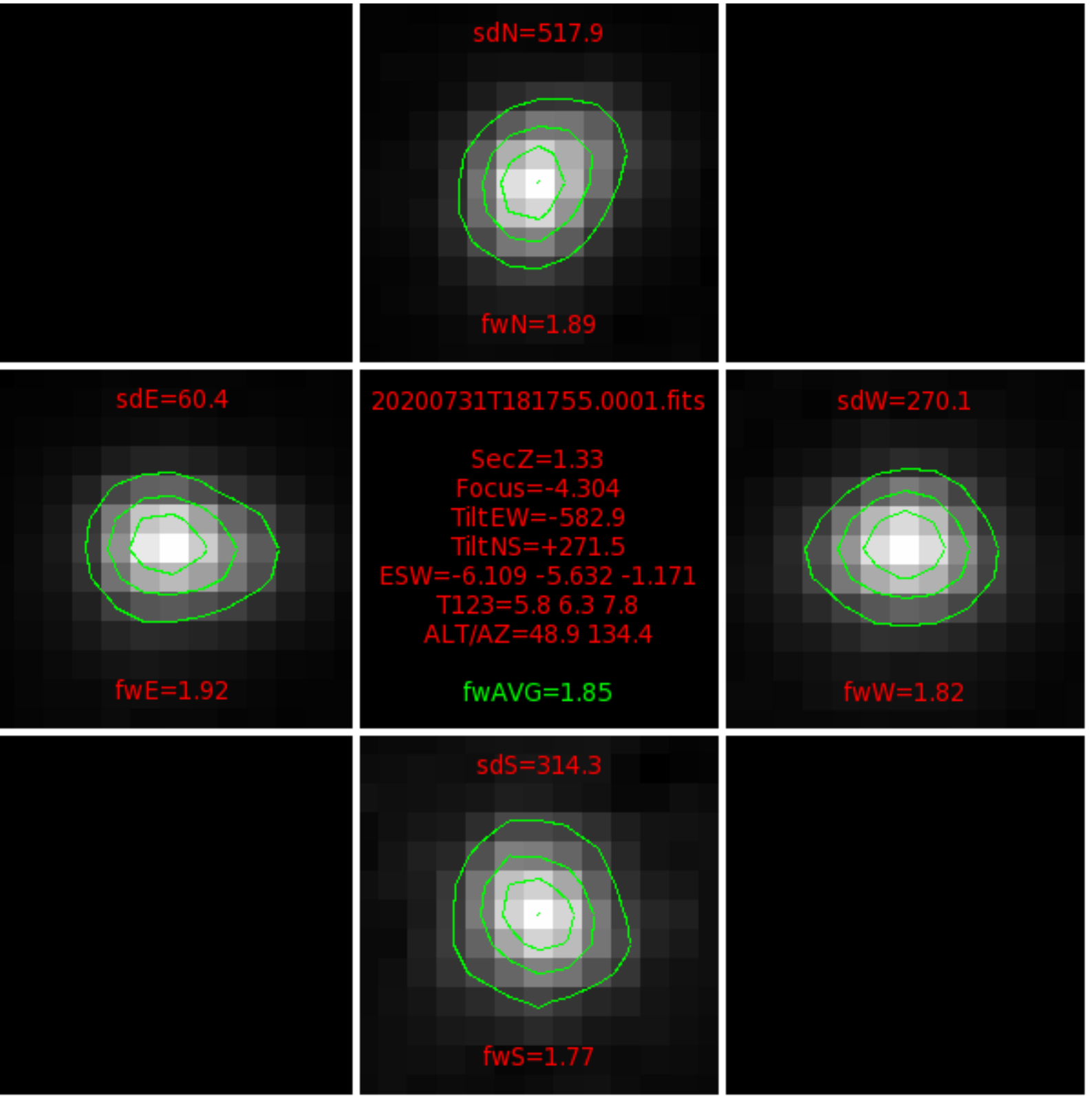
sdN=517.9
fwN=1.89
sdE=60.4
fwE=1.92
20200731T181755.0001.fits
SecZ=1.33
Focus=-4.304
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.109 -5.632 -1.171
T123=5.8 6.3 7.8
ALT/AZ=48.9 134.4
fwAVG=1.85
sdW=270.1
fwW=1.82
sdS=314.3
fwS=1.77
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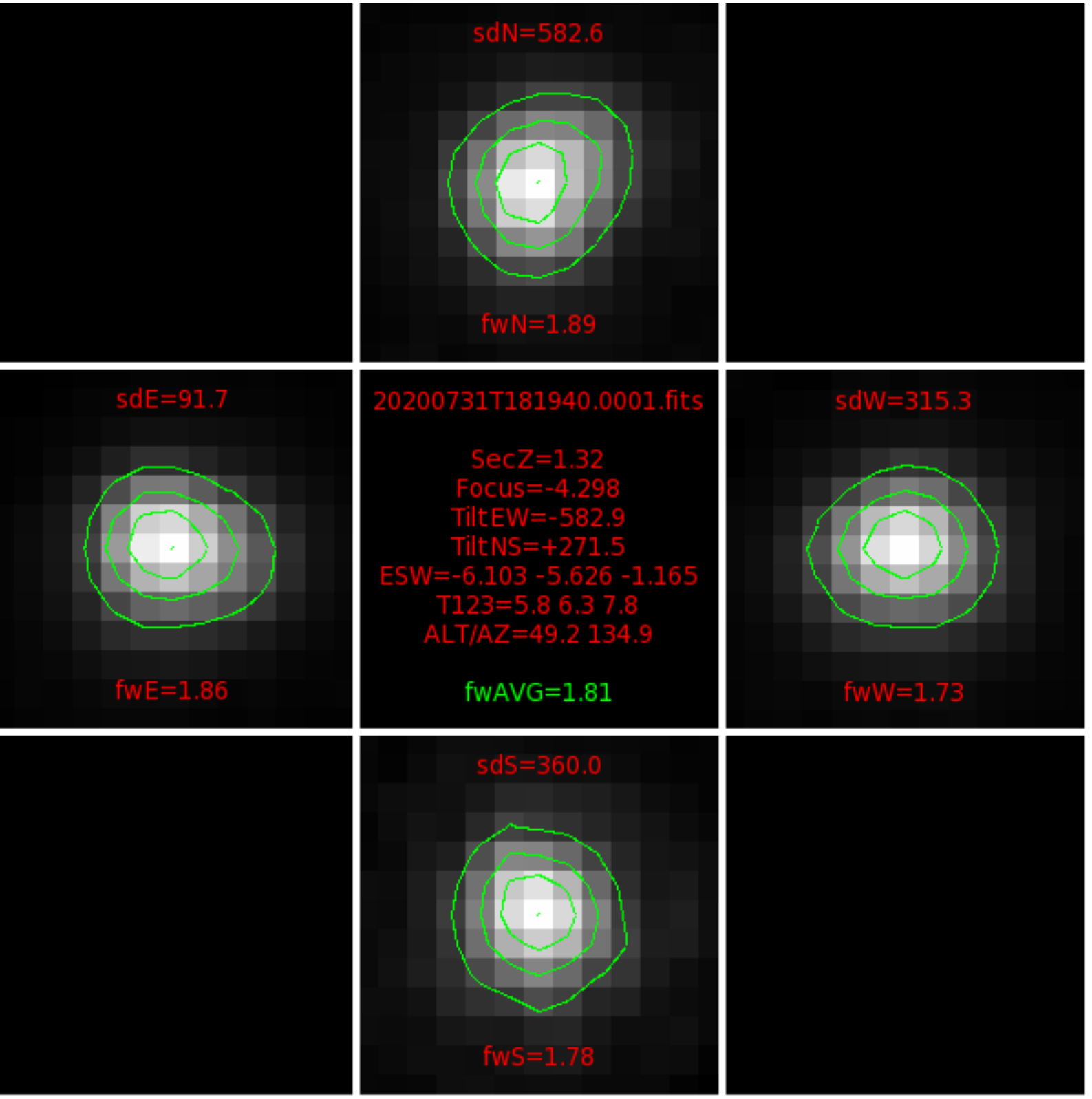
sdN=582.6
fwN=1.89
sdE=91.7
fwE=1.86
20200731T181940.0001.fits
SecZ=1.32
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.8 6.3 7.8
ALT/AZ=49.2 134.9
fwAVG=1.81
sdW=315.3
fwW=1.73
sdS=360.0
fwS=1.78
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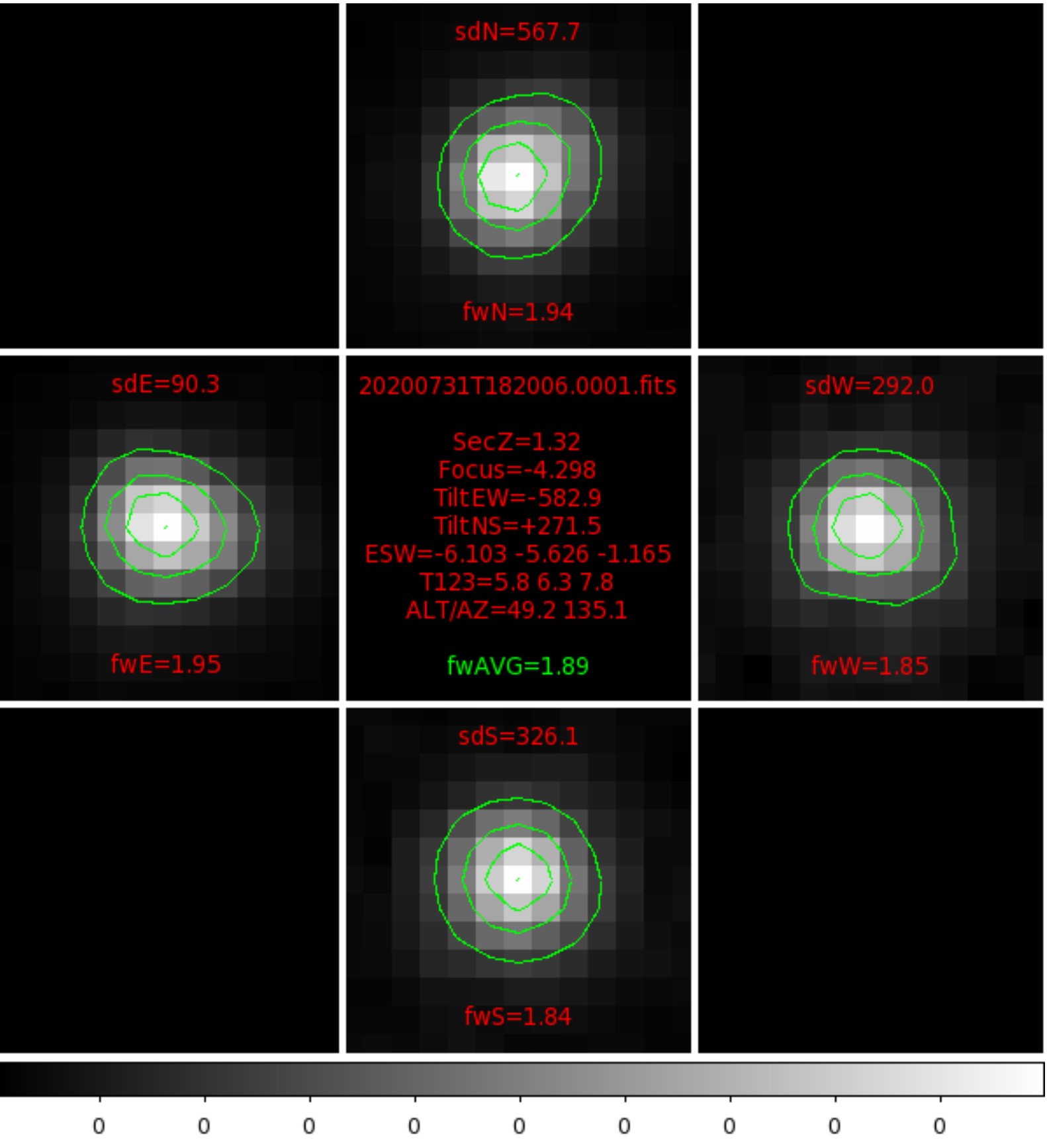
sdN=567.7
fwN=1.94
sdE=90.3
fwE=1.95
20200731T182006.0001.fits
SecZ=1.32
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.8 6.3 7.8
ALT/AZ=49.2 135.1
fwAVG=1.89
sdW=292.0
fwW=1.85
sdS=326.1
fwS=1.84
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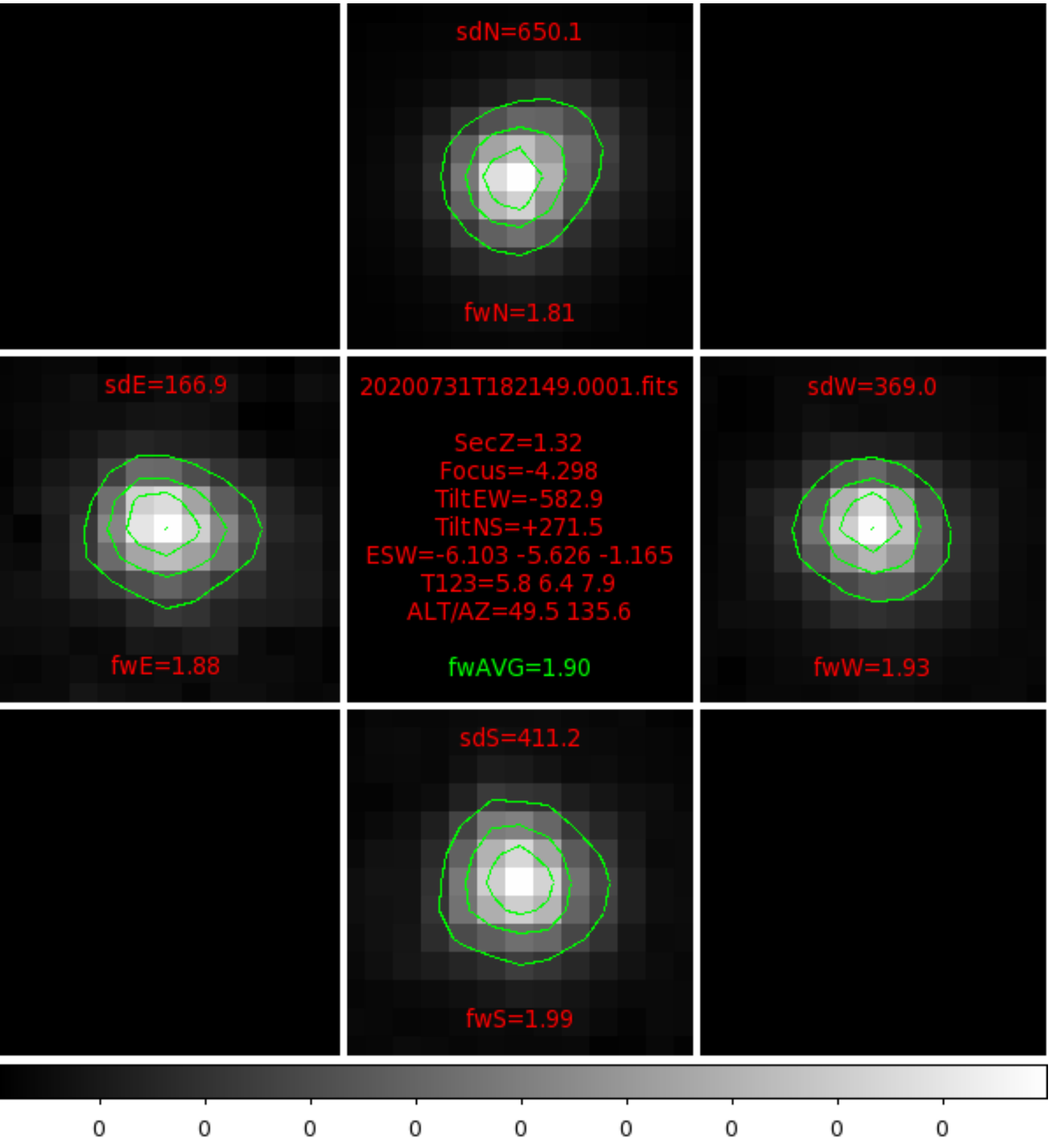
sdN=650.1
fwN=1.81
sdE=166.9
fwE=1.88
20200731T182149.0001.fits
SecZ=1.32
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.8 6.4 7.9
ALT/AZ=49.5 135.6
fwAVG=1.90
sdW=369.0
fwW=1.93
sdS=411.2
fwS=1.99
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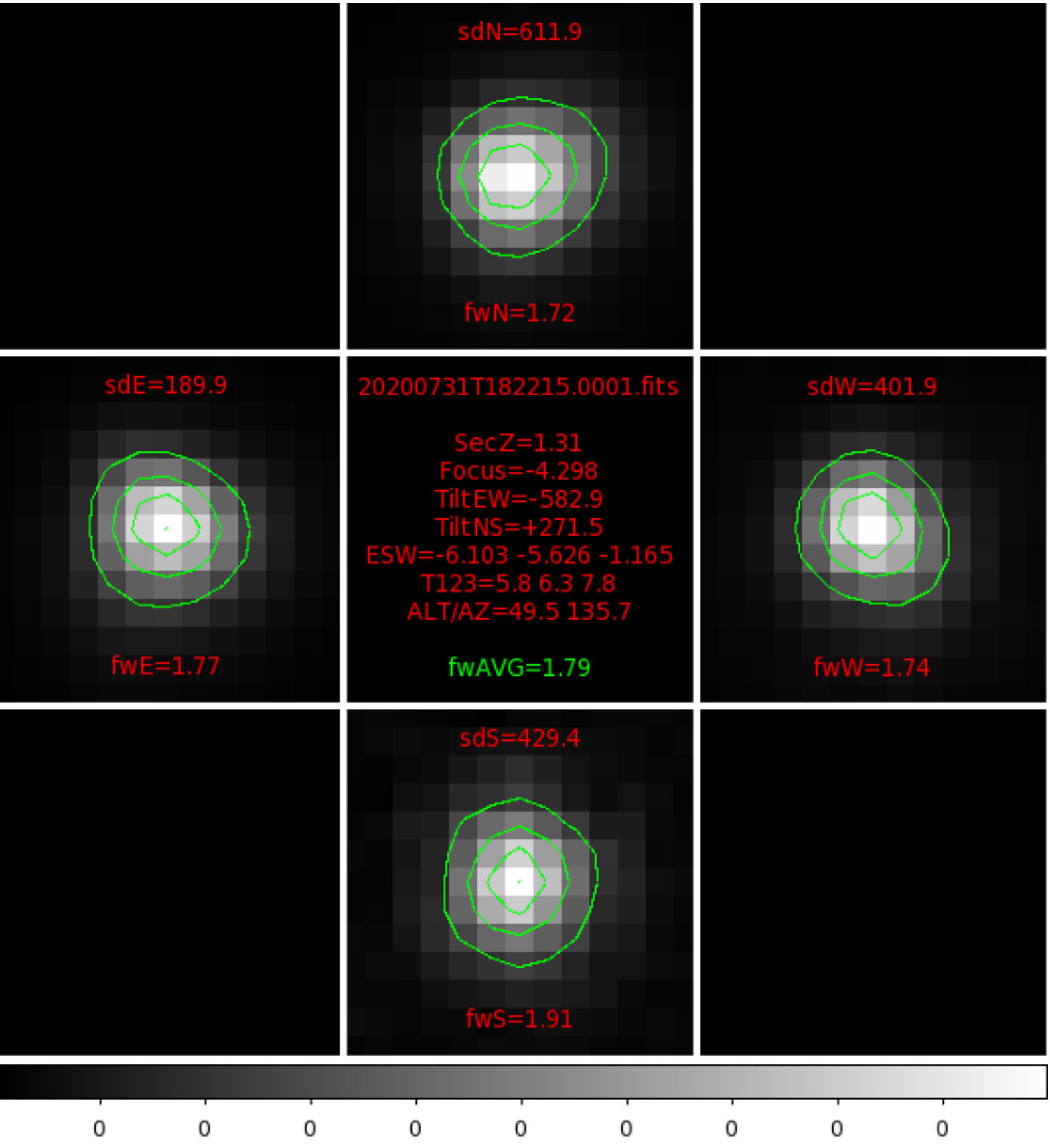
sdN=611.9
fwN=1.72
sdE=189.9
fwE=1.77
20200731T182215.0001.fits
SecZ=1.31
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.8 6.3 7.8
ALT/AZ=49.5 135.7
fwAVG=1.79
sdW=401.9
fwW=1.74
sdS=429.4
fwS=1.91
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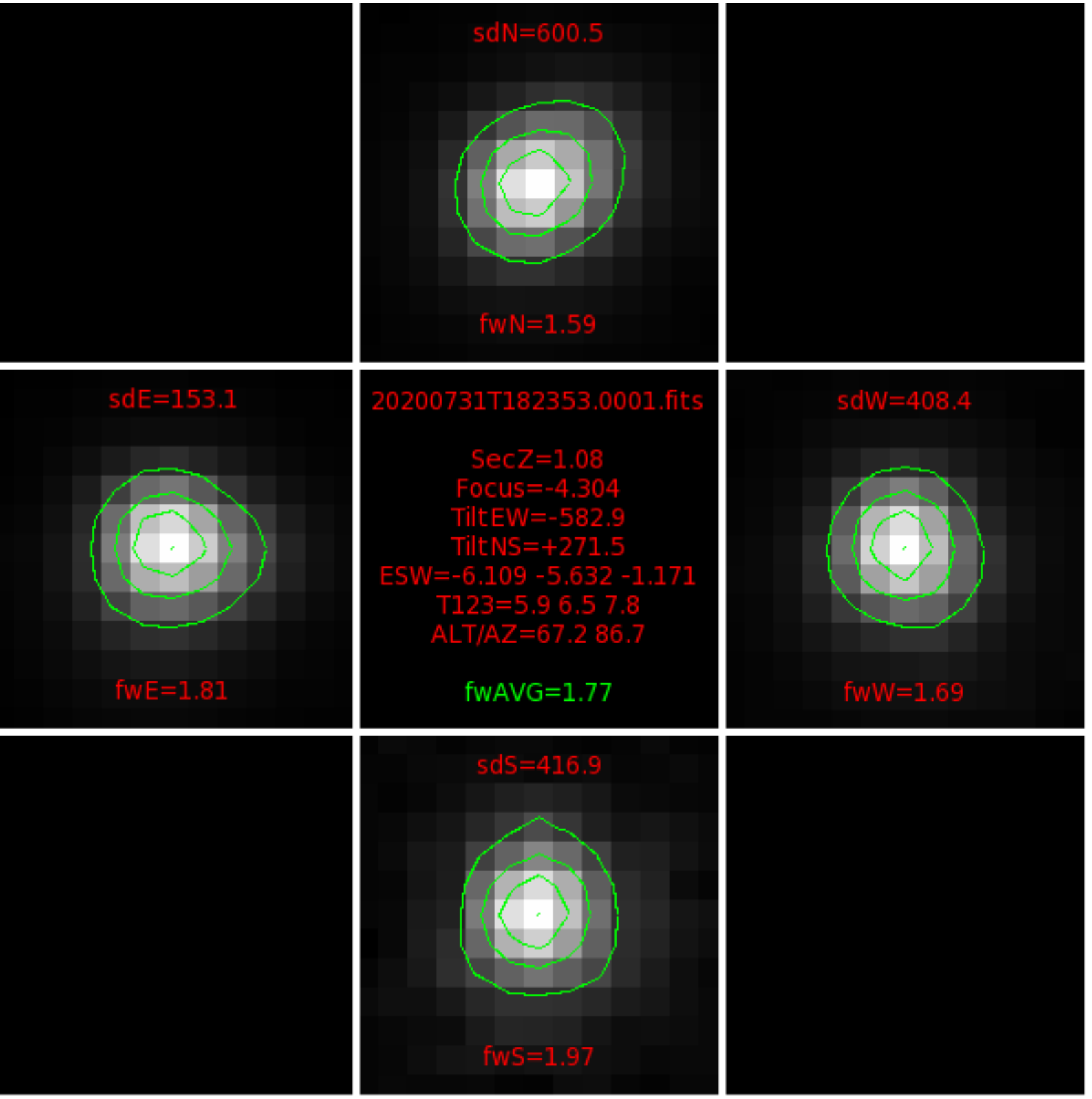
sdN=600.5
fwN=1.59
sdE=153.1
fwE=1.81
20200731T182353.0001.fits
SecZ=1.08
Focus=-4.304
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.109 -5.632 -1.171
T123=5.9 6.5 7.8
ALT/AZ=67.2 86.7
fwAVG=1.77
sdW=408.4
fwW=1.69
sdS=416.9
fwS=1.97
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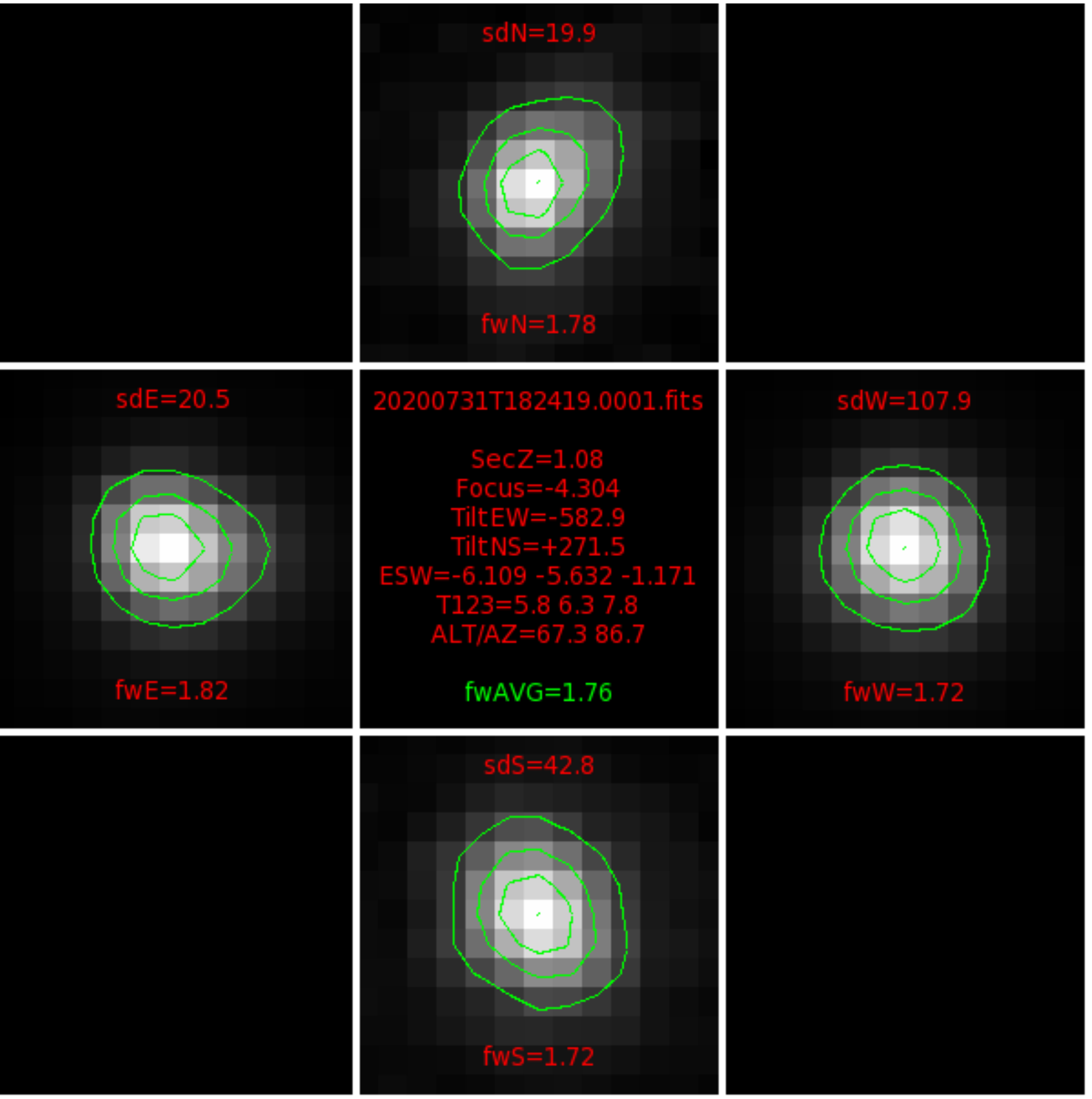
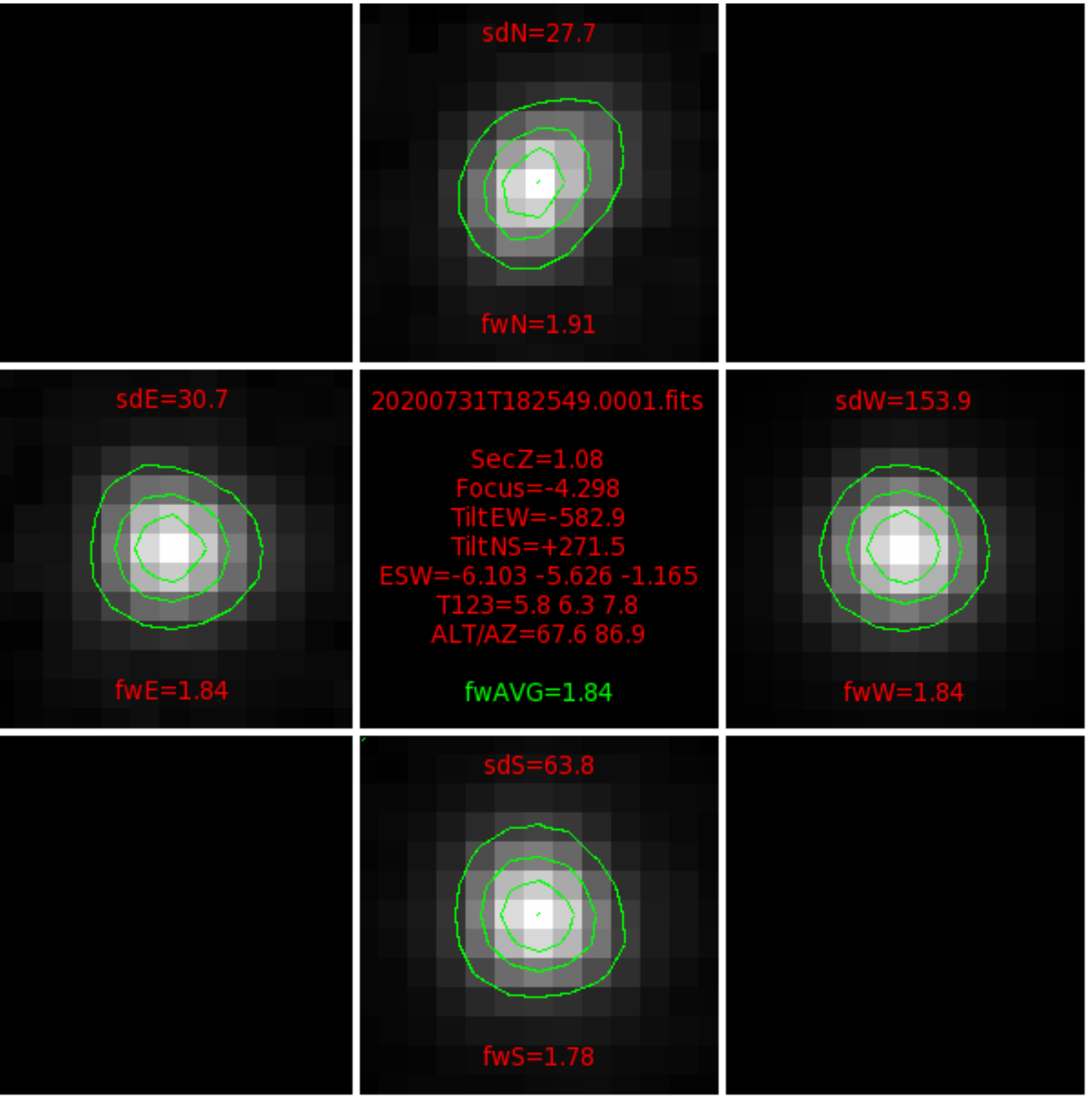

sdN=19.9
fwN=1.78
sdE=20.5
fwE=1.82
20200731T182419.0001.fits
SecZ=1.08
Focus=-4.304
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.109 -5.632 -1.171
T123=5.8 6.3 7.8
ALT/AZ=67.3 86.7
fwAVG=1.76
sdW=107.9
fwW=1.72
sdS=42.8
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=27.7
fwN=1.91
sdE=30.7
fwE=1.84
20200731T182549.0001.fits
SecZ=1.08
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.8 6.3 7.8
ALT/AZ=67.6 86.9
fwAVG=1.84
sdW=153.9
fwW=1.84
sdS=63.8
fwS=1.78
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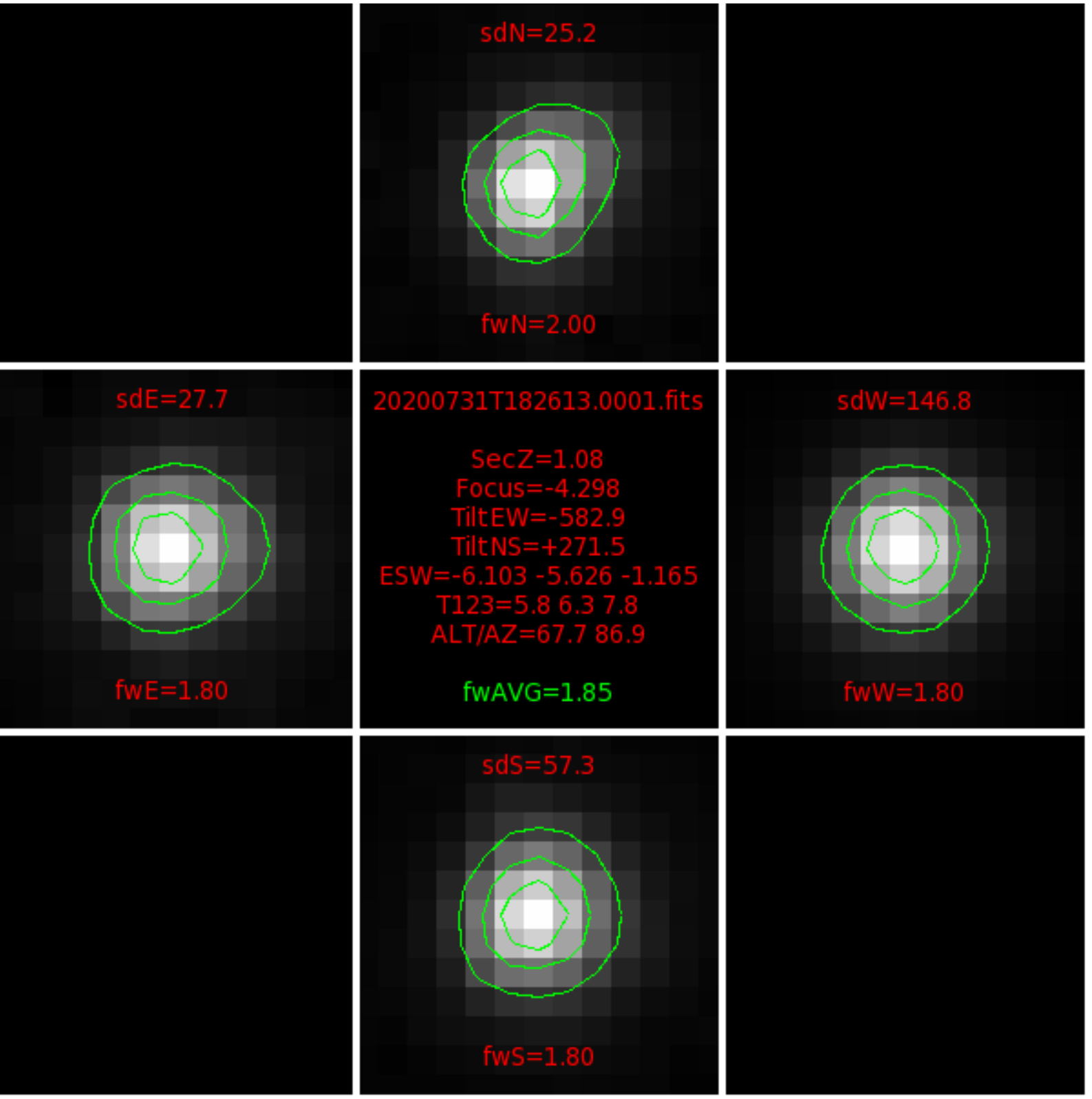
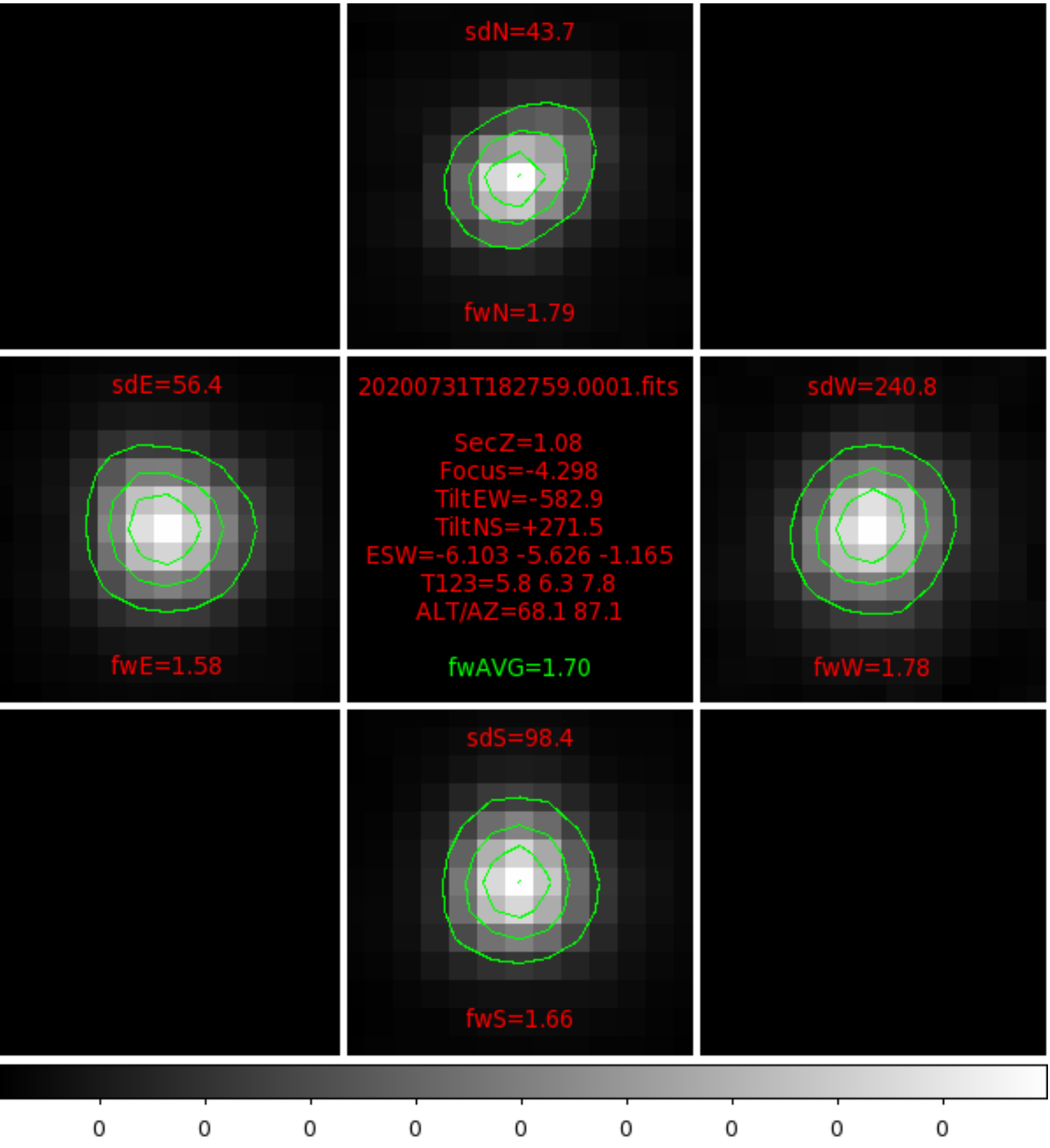

sdN=25.2
fwN=2.00
sdE=27.7
fwE=1.80
20200731T182613.0001.fits
SecZ=1.08
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.8 6.3 7.8
ALT/AZ=67.7 86.9
fwAVG=1.85
sdW=146.8
fwW=1.80
sdS=57.3
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=43.7
fwN=1.79
sdE=56.4
fwE=1.58
20200731T182759.0001.fits
SecZ=1.08
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.8 6.3 7.8
ALT/AZ=68.1 87.1
fwAVG=1.70
sdW=240.8
fwW=1.78
sdS=98.4
fwS=1.66
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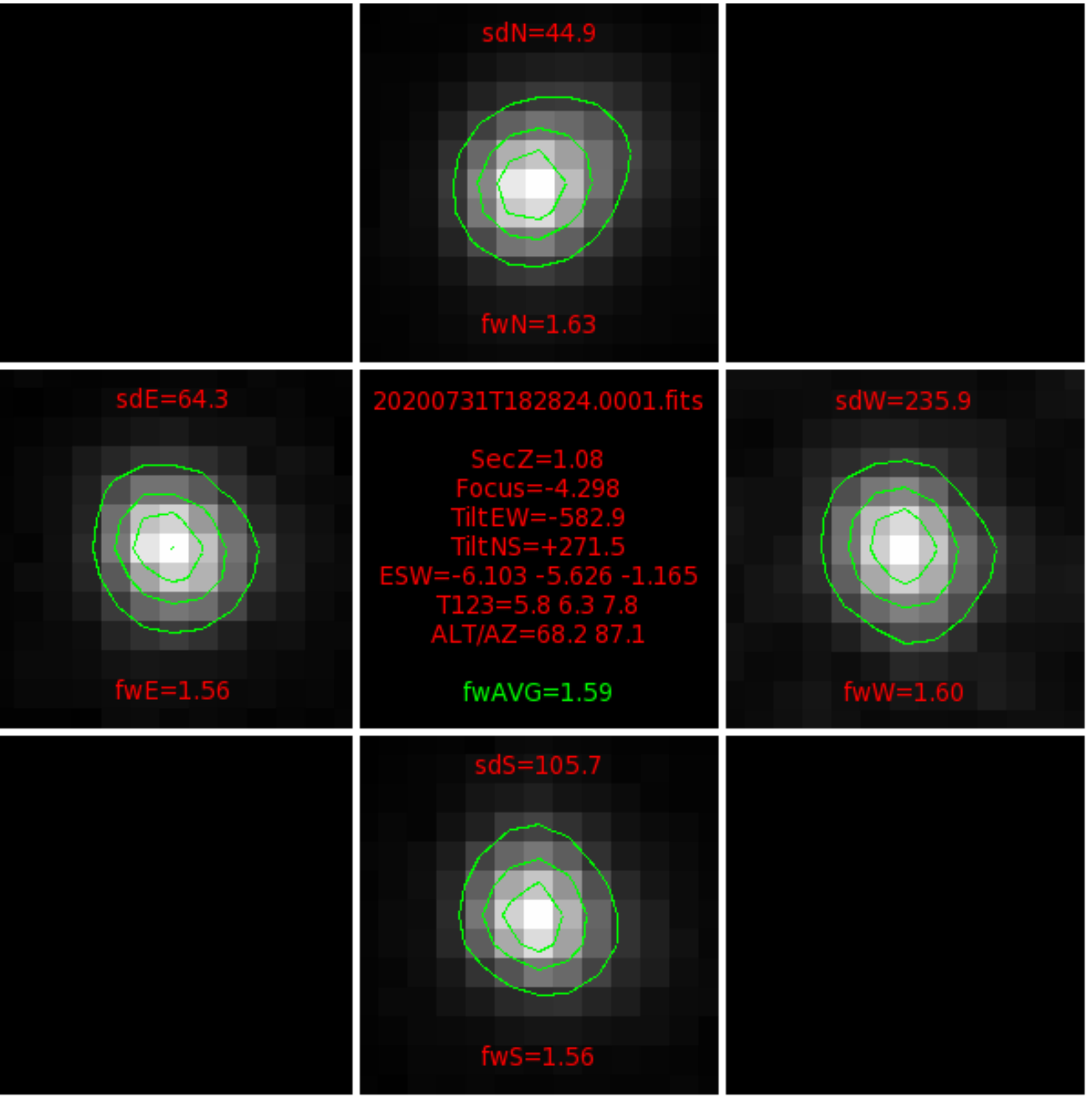
sdN=44.9
fwN=1.63
sdE=64.3
fwE=1.56
20200731T182824.0001.fits
SecZ=1.08
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.8 6.3 7.8
ALT/AZ=68.2 87.1
fwAVG=1.59
sdW=235.9
fwW=1.60
sdS=105.7
fwS=1.56
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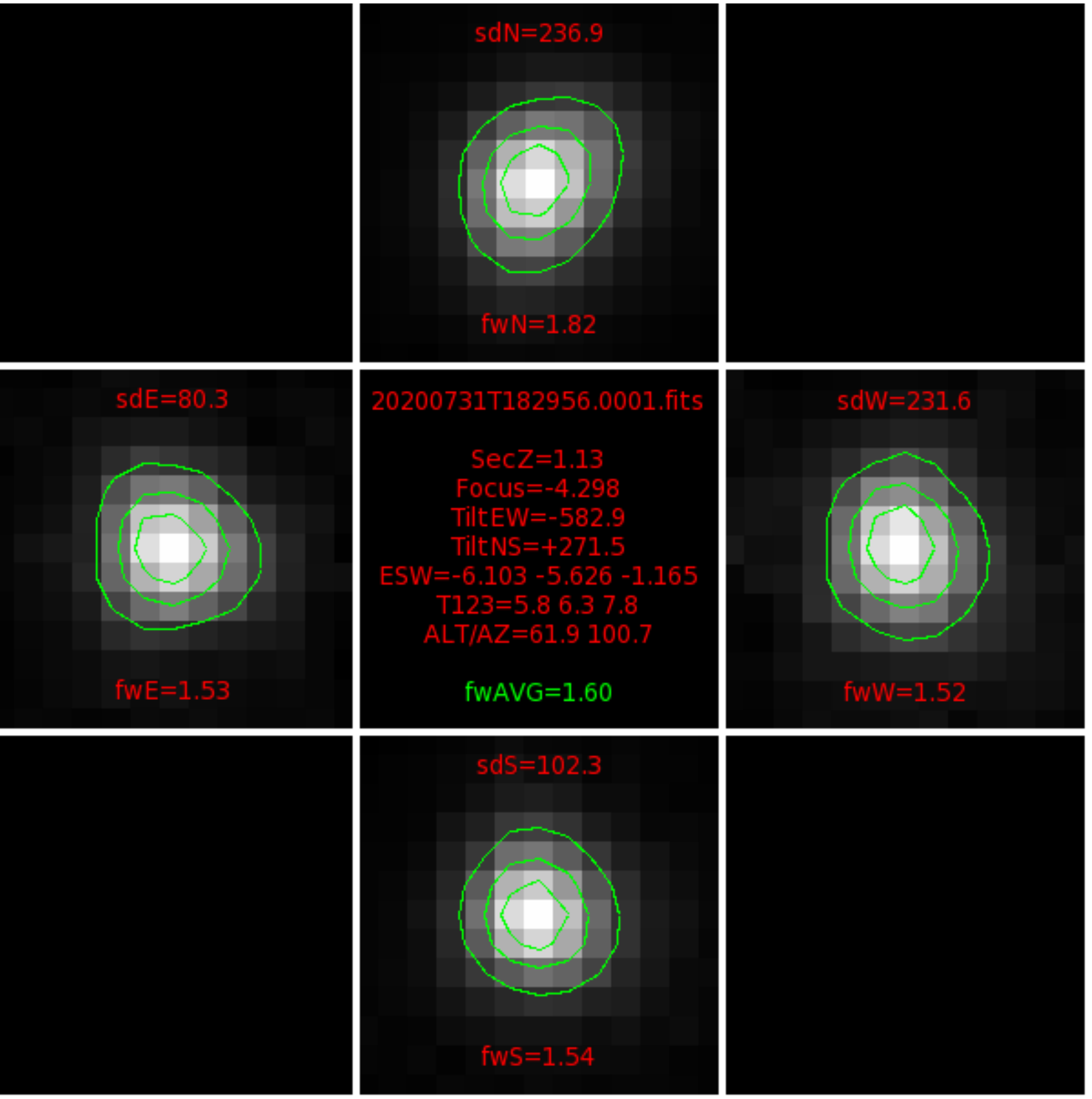
sdN=236.9
fwN=1.82
sdE=80.3
fwE=1.53
20200731T182956.0001.fits
SecZ=1.13
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.8 6.3 7.8
ALT/AZ=61.9 100.7
fwAVG=1.60
sdW=231.6
fwW=1.52
sdS=102.3
fwS=1.54
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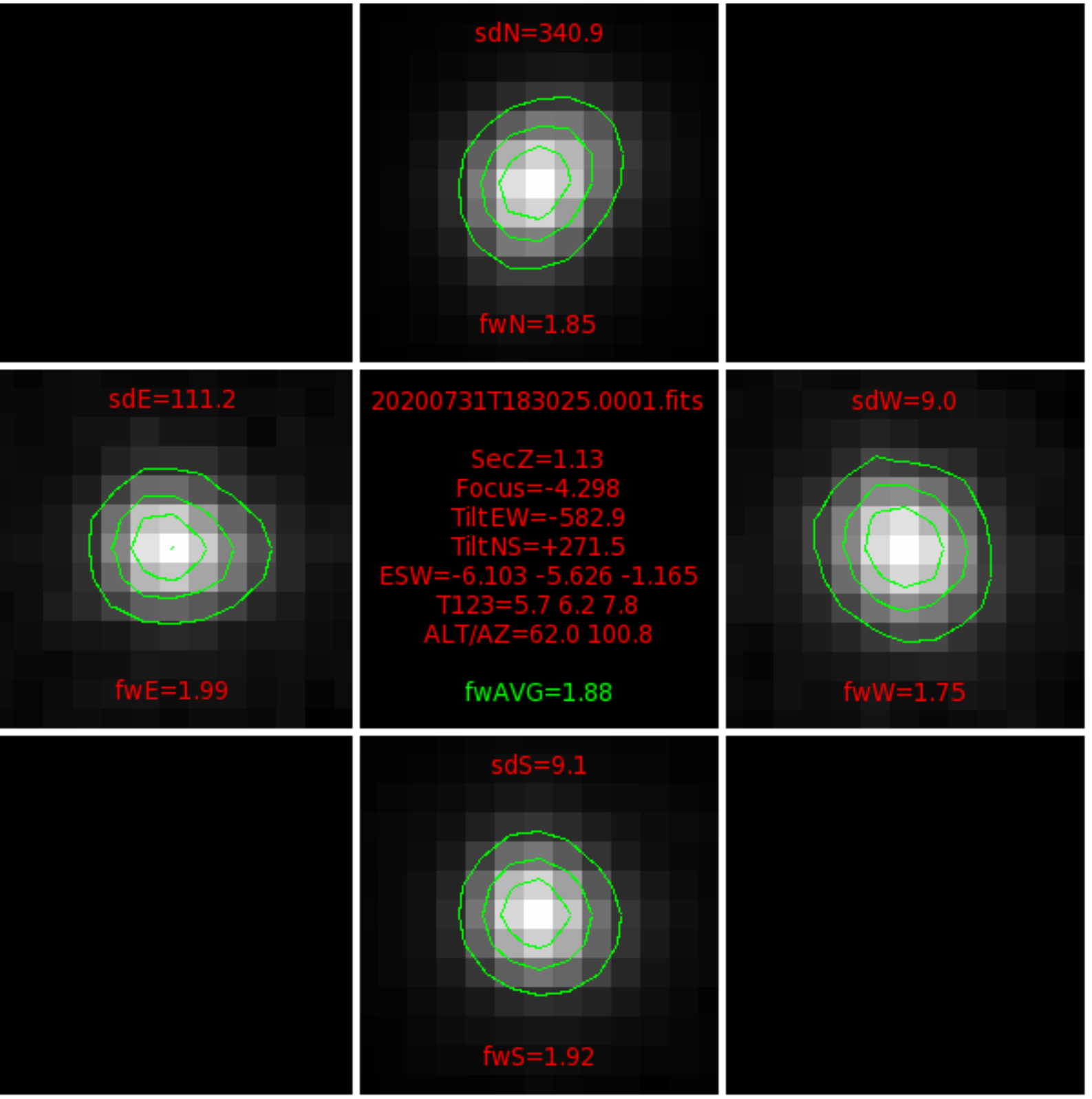
sdN=340.9
fwN=1.85
sdE=111.2
fwE=1.99
20200731T183025.0001.fits
SecZ=1.13
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.7 6.2 7.8
ALT/AZ=62.0 100.8
fwAVG=1.88
sdW=9.0
fwW=1.75
sdS=9.1
fwS=1.92
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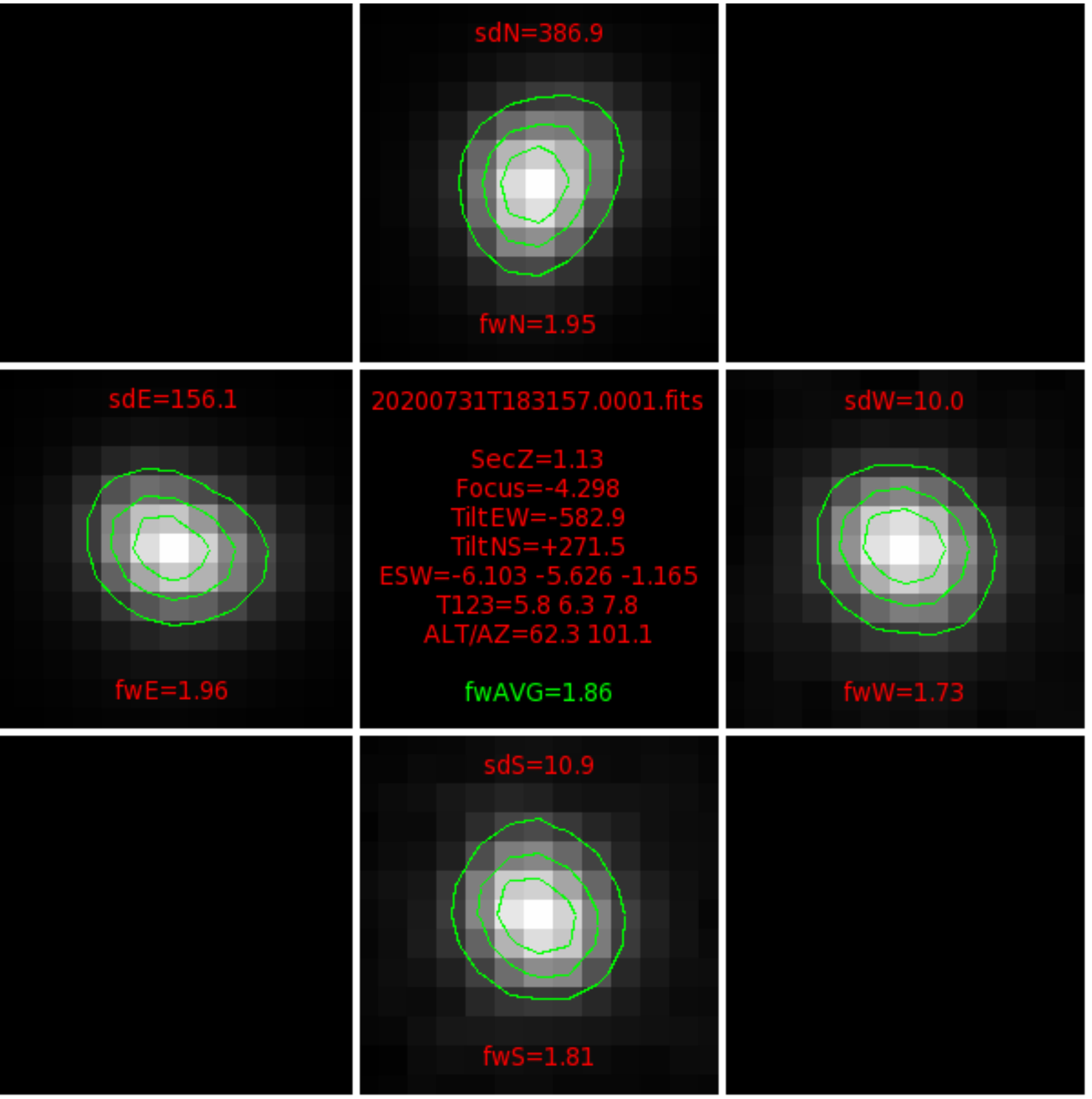
sdN=386.9
fwN=1.95
sdE=156.1
fwE=1.96
20200731T183157.0001.fits
SecZ=1.13
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.8 6.3 7.8
ALT/AZ=62.3 101.1
fwAVG=1.86
sdW=10.0
fwW=1.73
sdS=10.9
fwS=1.81
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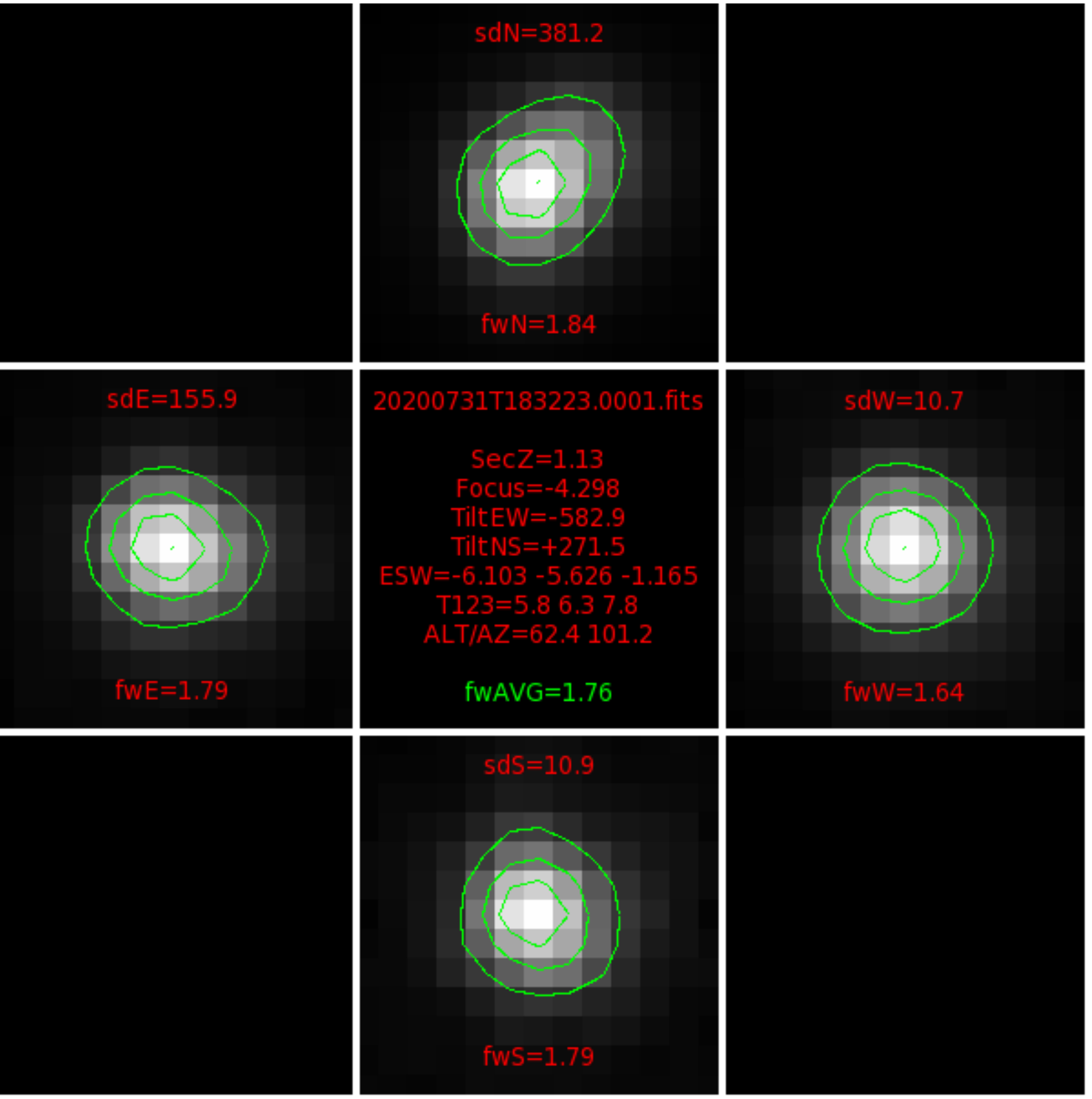
sdN=381.2
fwN=1.84
sdE=155.9
fwE=1.79
20200731T183223.0001.fits
SecZ=1.13
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.8 6.3 7.8
ALT/AZ=62.4 101.2
fwAVG=1.76
sdW=10.7
fwW=1.64
sdS=10.9
fwS=1.79
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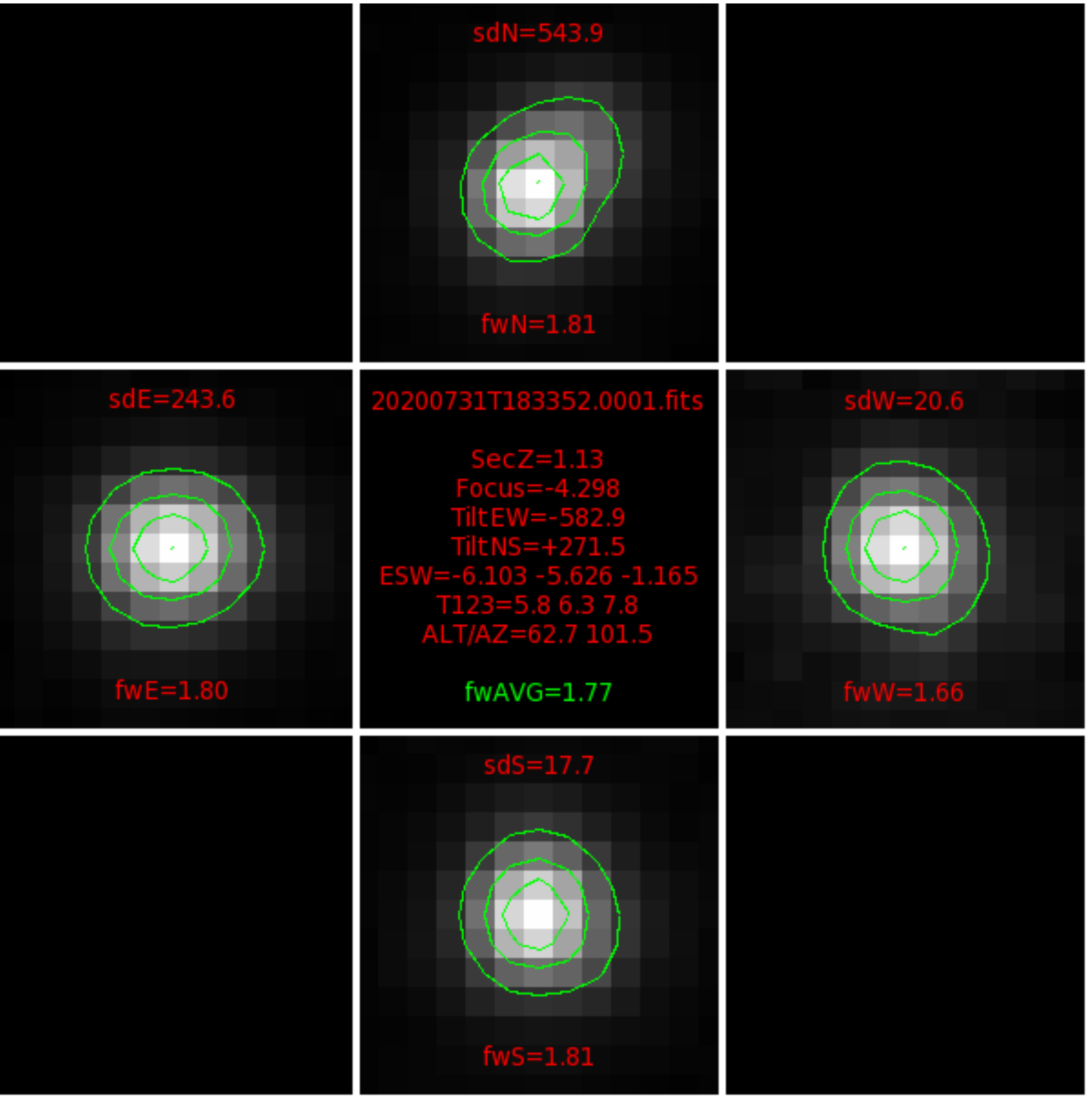
sdN=543.9
fwN=1.81
sdE=243.6
fwE=1.80
20200731T183352.0001.fits
SecZ=1.13
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.8 6.3 7.8
ALT/AZ=62.7 101.5
fwAVG=1.77
sdW=20.6
fwW=1.66
sdS=17.7
fwS=1.81
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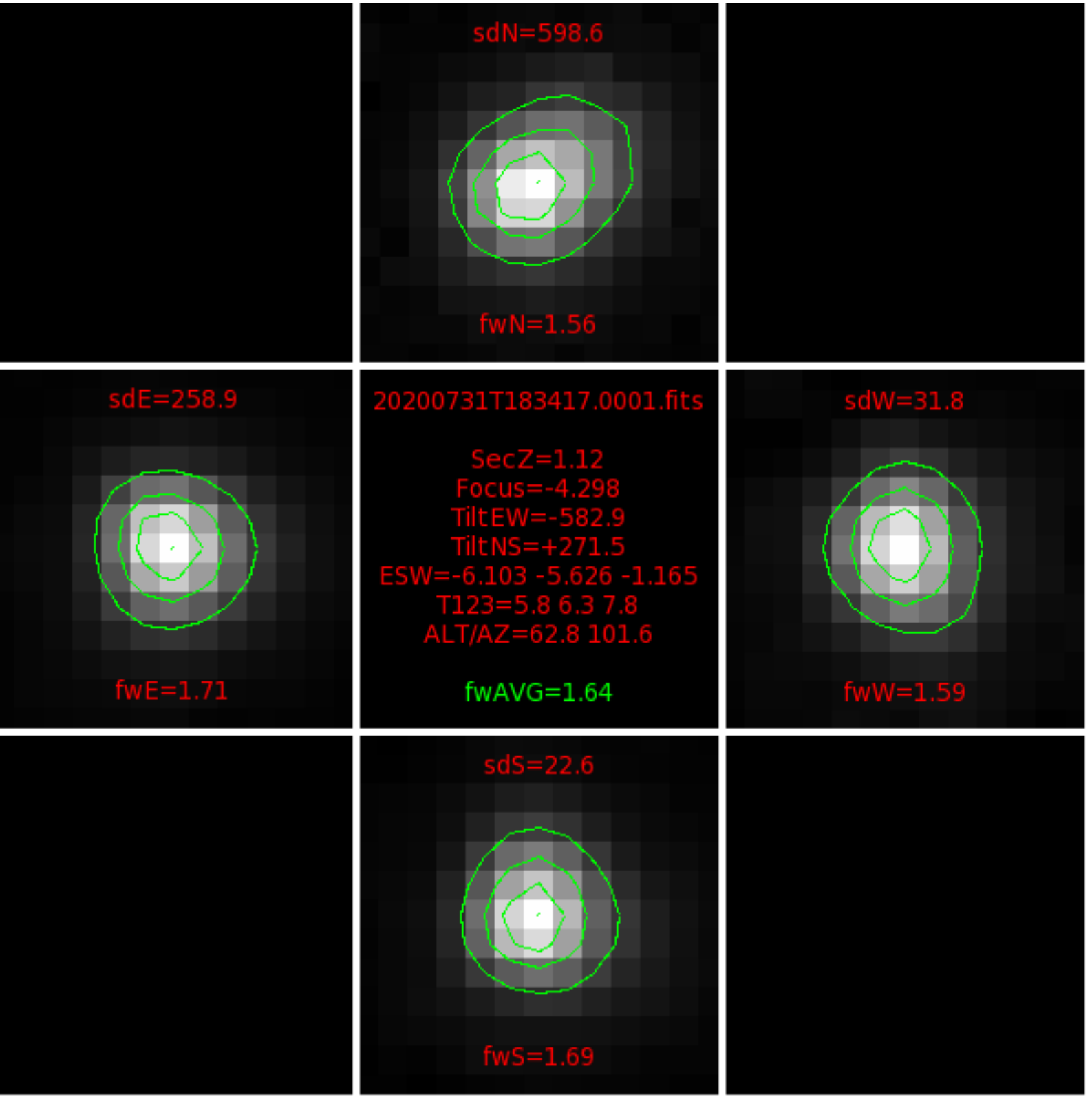
sdN=598.6
fwN=1.56
sdE=258.9
fwE=1.71
20200731T183417.0001.fits
SecZ=1.12
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.8 6.3 7.8
ALT/AZ=62.8 101.6
fwAVG=1.64
sdW=31.8
fwW=1.59
sdS=22.6
fwS=1.69
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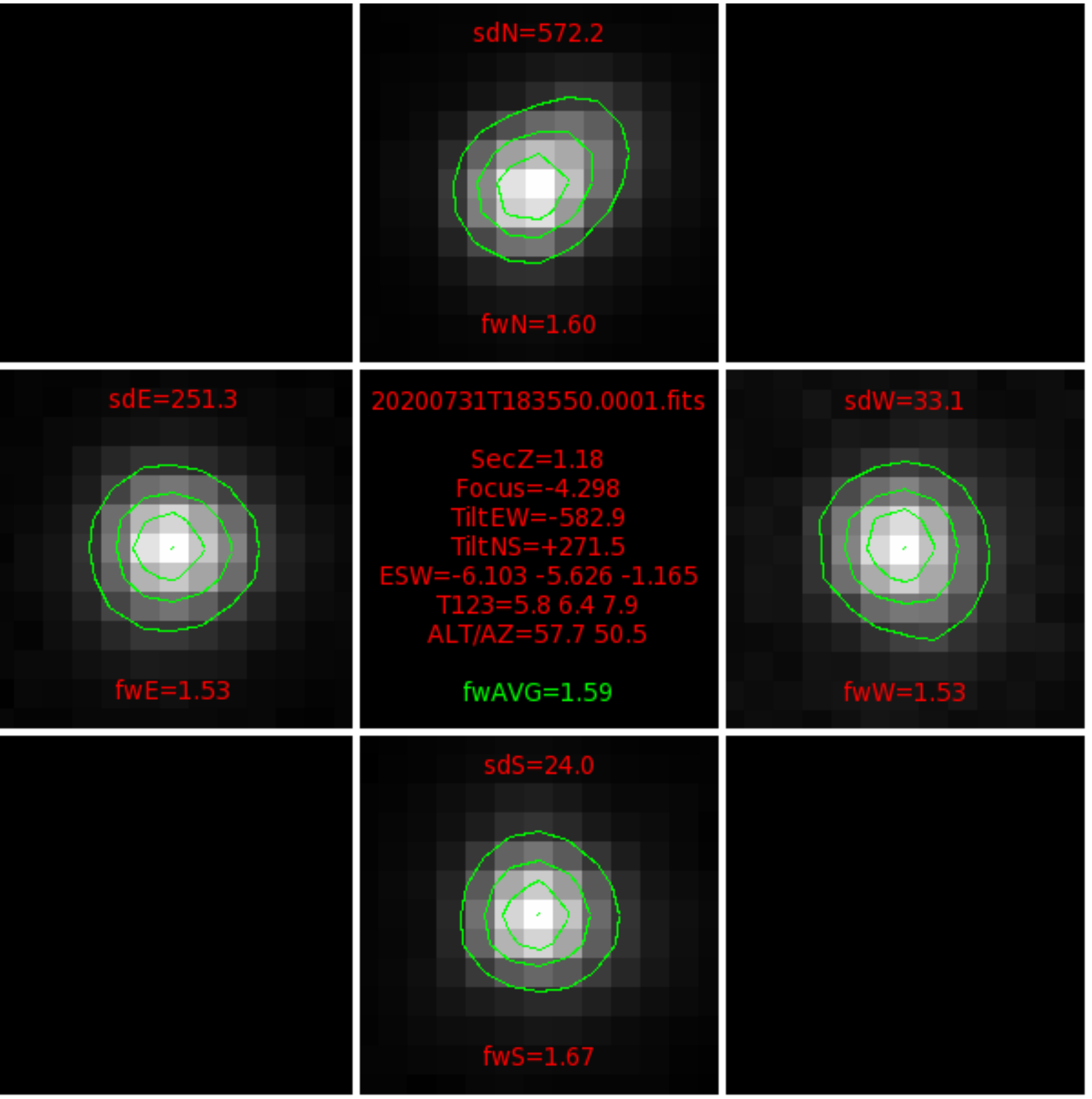
sdN=572.2
fwN=1.60
sdE=251.3
fwE=1.53
20200731T183550.0001.fits
SecZ=1.18
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.8 6.4 7.9
ALT/AZ=57.7 50.5
fwAVG=1.59
sdW=33.1
fwW=1.53
sdS=24.0
fwS=1.67
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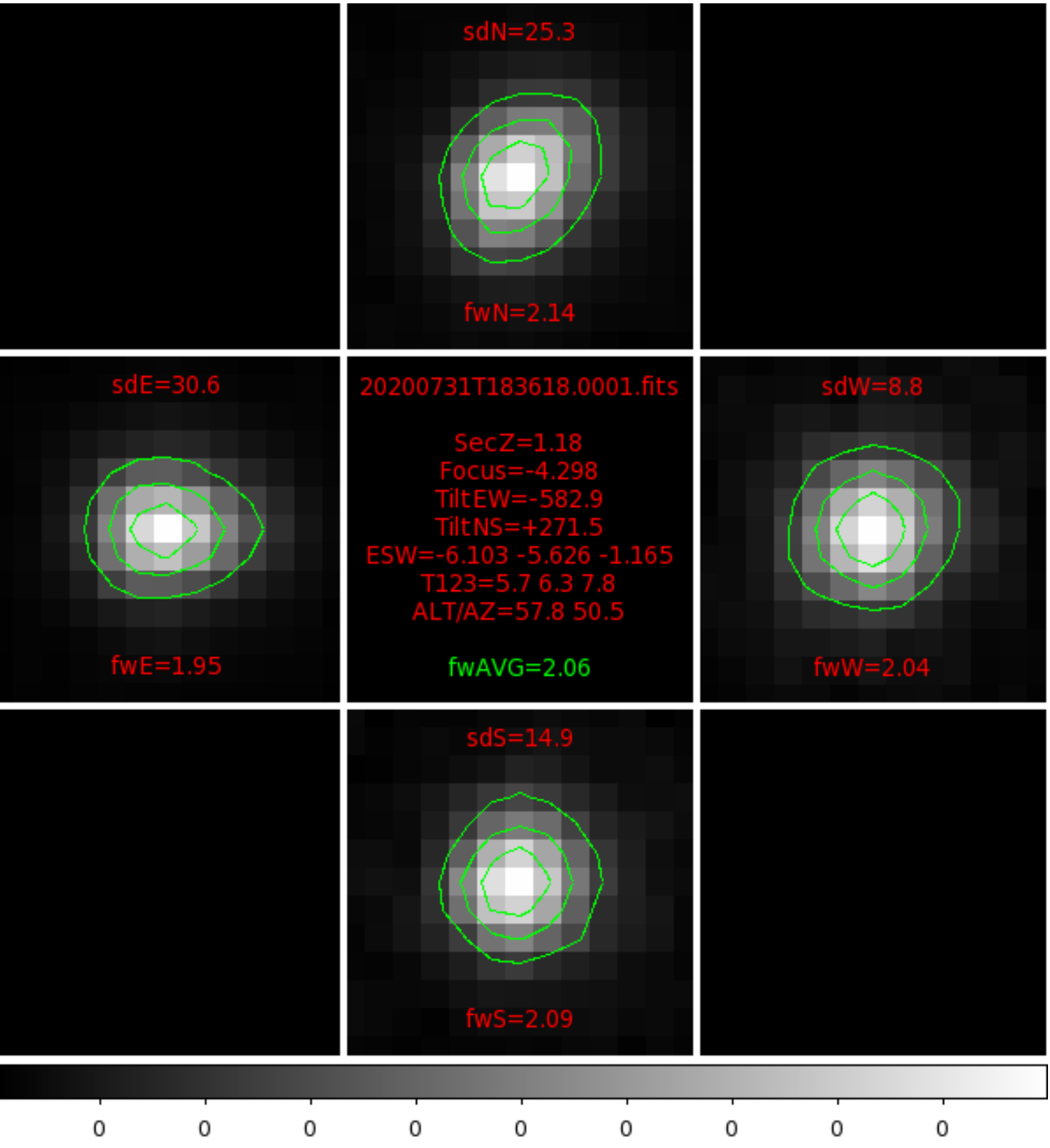
sdN=25.3
fwN=2.14
sdE=30.6
fwE=1.95
20200731T183618.0001.fits
SecZ=1.18
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.7 6.3 7.8
ALT/AZ=57.8 50.5
fwAVG=2.06
sdW=8.8
fwW=2.04
sdS=14.9
fwS=2.09
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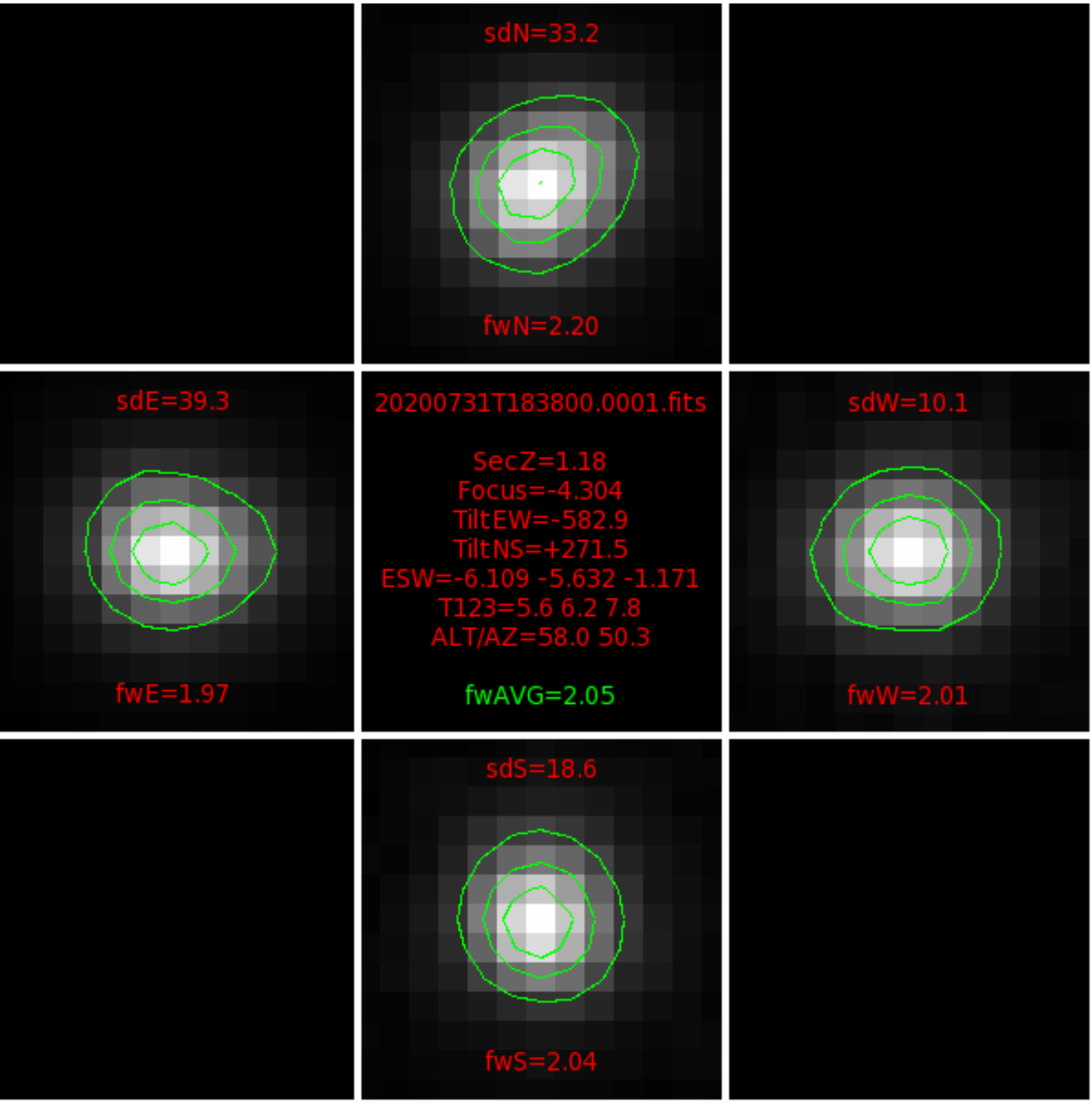
sdN=33.2
fwN=2.20
sdE=39.3
fwE=1.97
20200731T183800.0001.fits
SecZ=1.18
Focus=-4.304
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.109 -5.632 -1.171
T123=5.6 6.2 7.8
ALT/AZ=58.0 50.3
fwAVG=2.05
sdW=10.1
fwW=2.01
sdS=18.6
fwS=2.04
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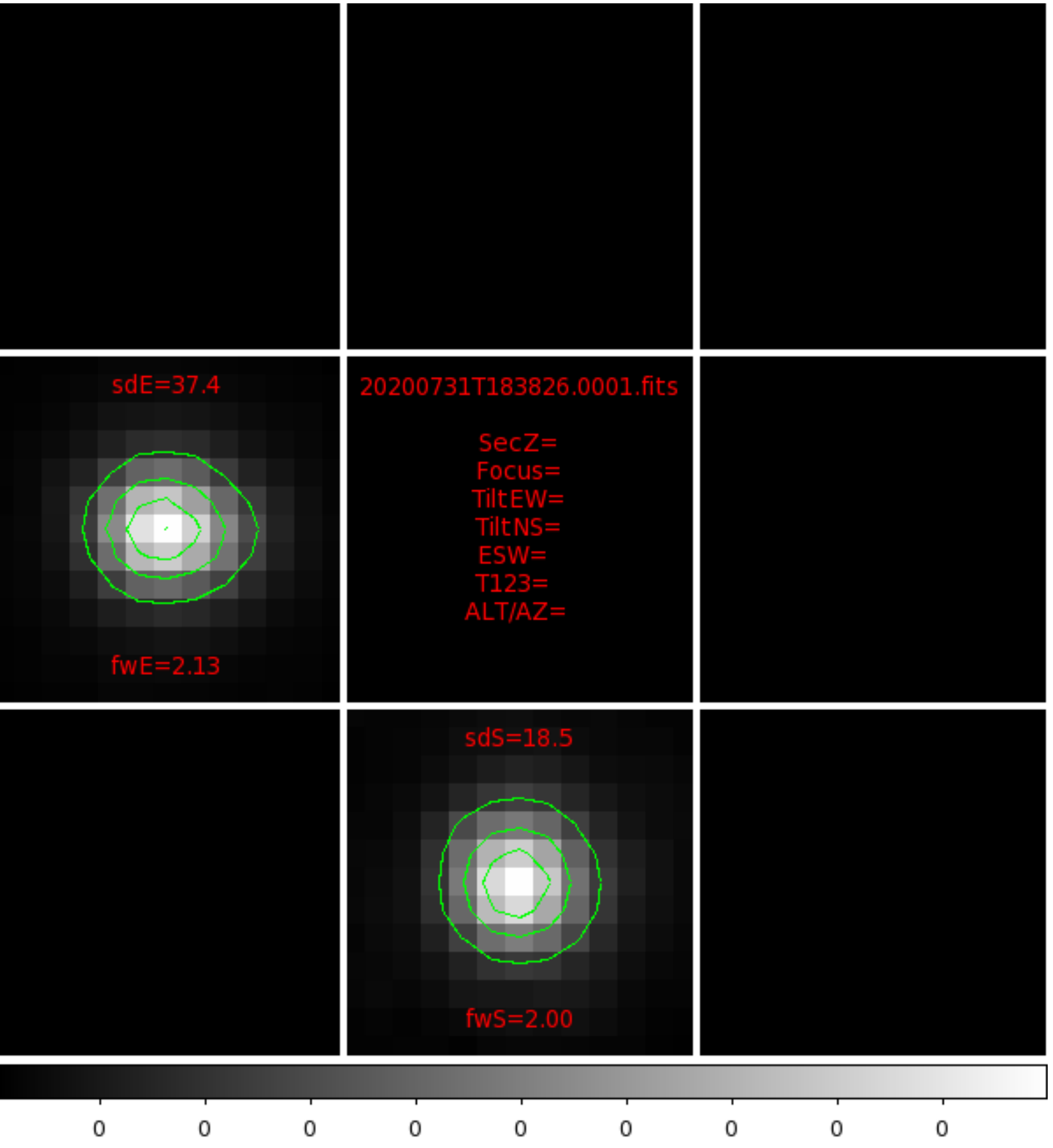
sdE=37.4
20200731T183826.0001.fits
SecZ=
Focus=
TiltEW=
TiltNS=
ESW=
T123=
ALT/AZ=
fwE=2.13
sdS=18.5
fwS=2.00
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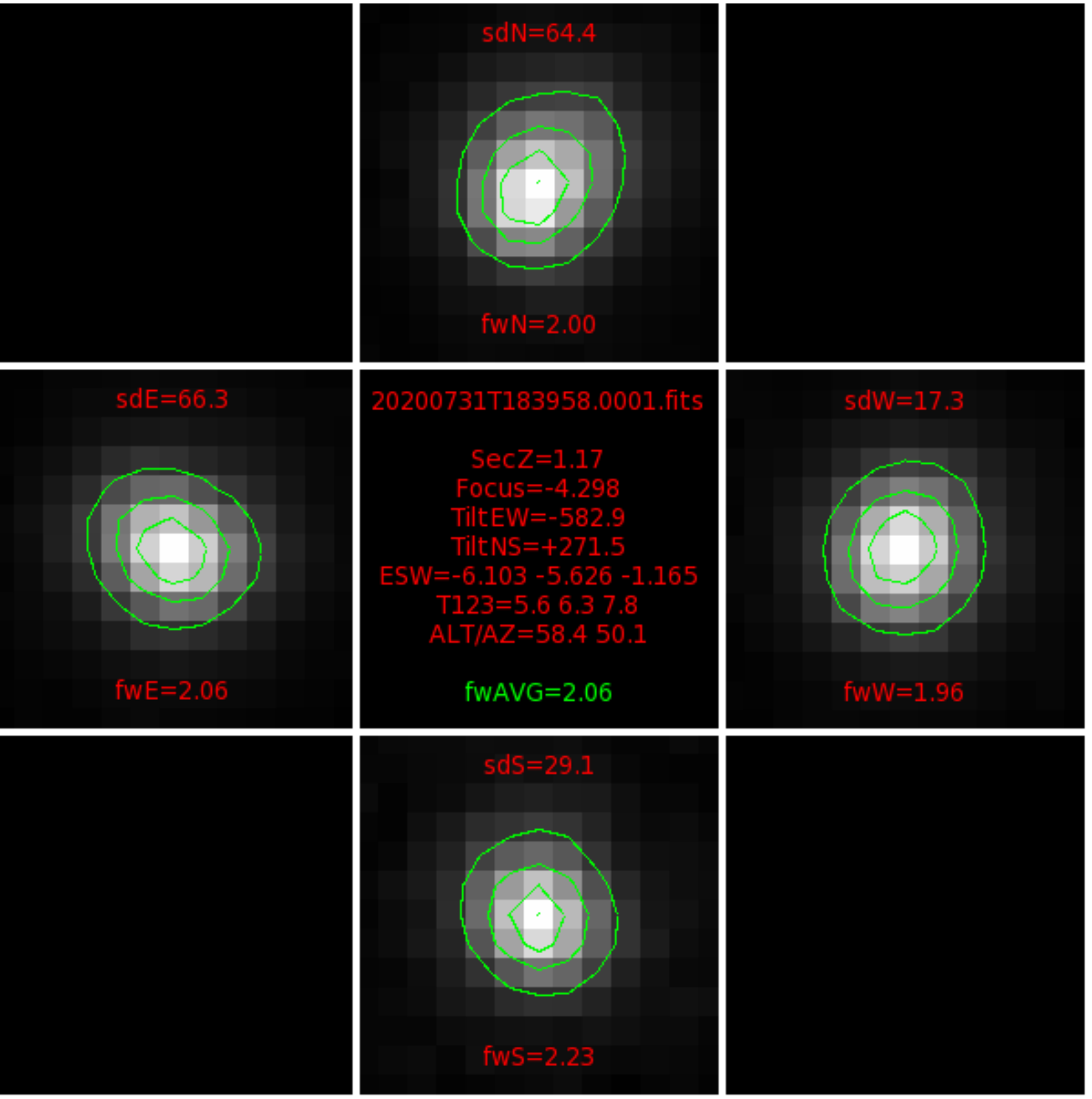
sdN=64.4
fwN=2.00
sdE=66.3
fwE=2.06
20200731T183958.0001.fits
SecZ=1.17
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.6 6.3 7.8
ALT/AZ=58.4 50.1
fwAVG=2.06
sdW=17.3
fwW=1.96
sdS=29.1
fwS=2.23
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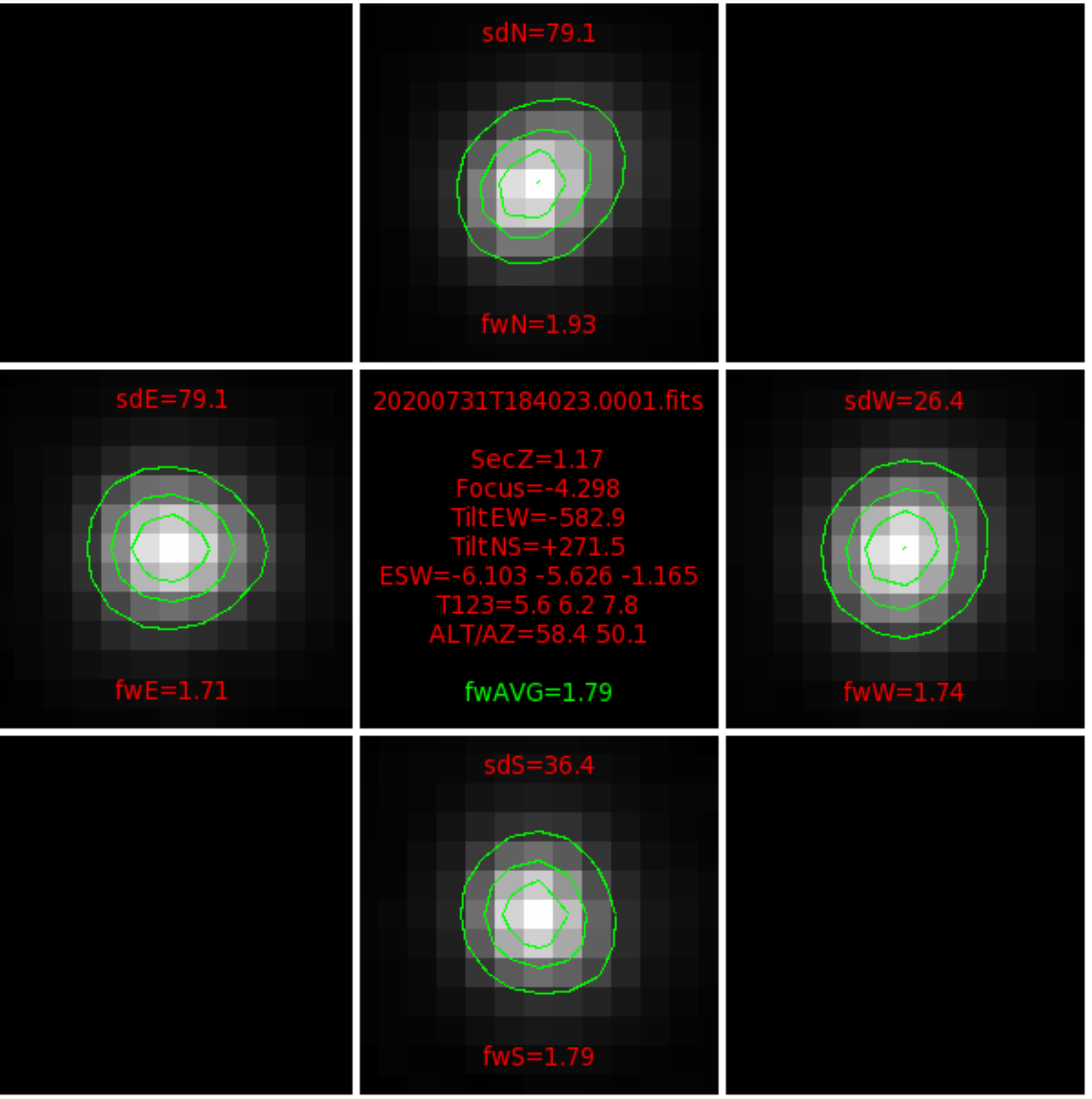
sdN=79.1
fwN=1.93
sdE=79.1
fwE=1.71
20200731T184023.0001.fits
SecZ=1.17
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.6 6.2 7.8
ALT/AZ=58.4 50.1
fwAVG=1.79
sdW=26.4
fwW=1.74
sdS=36.4
fwS=1.79
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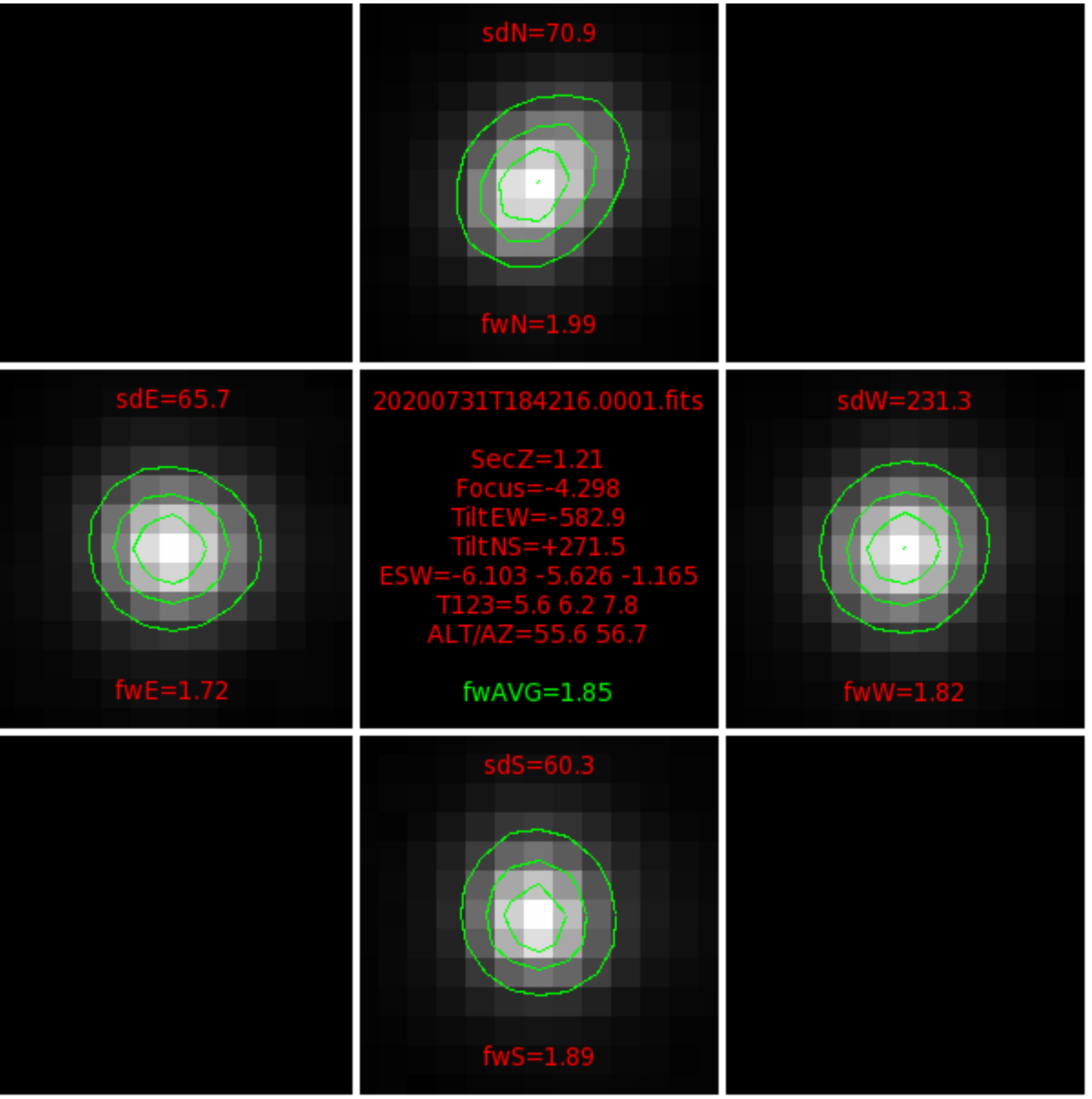
sdN=70.9
fwN=1.99
sdE=65.7
fwE=1.72
20200731T184216.0001.fits
SecZ=1.21
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.6 6.2 7.8
ALT/AZ=55.6 56.7
fwAVG=1.85
sdW=231.3
fwW=1.82
sdS=60.3
fwS=1.89
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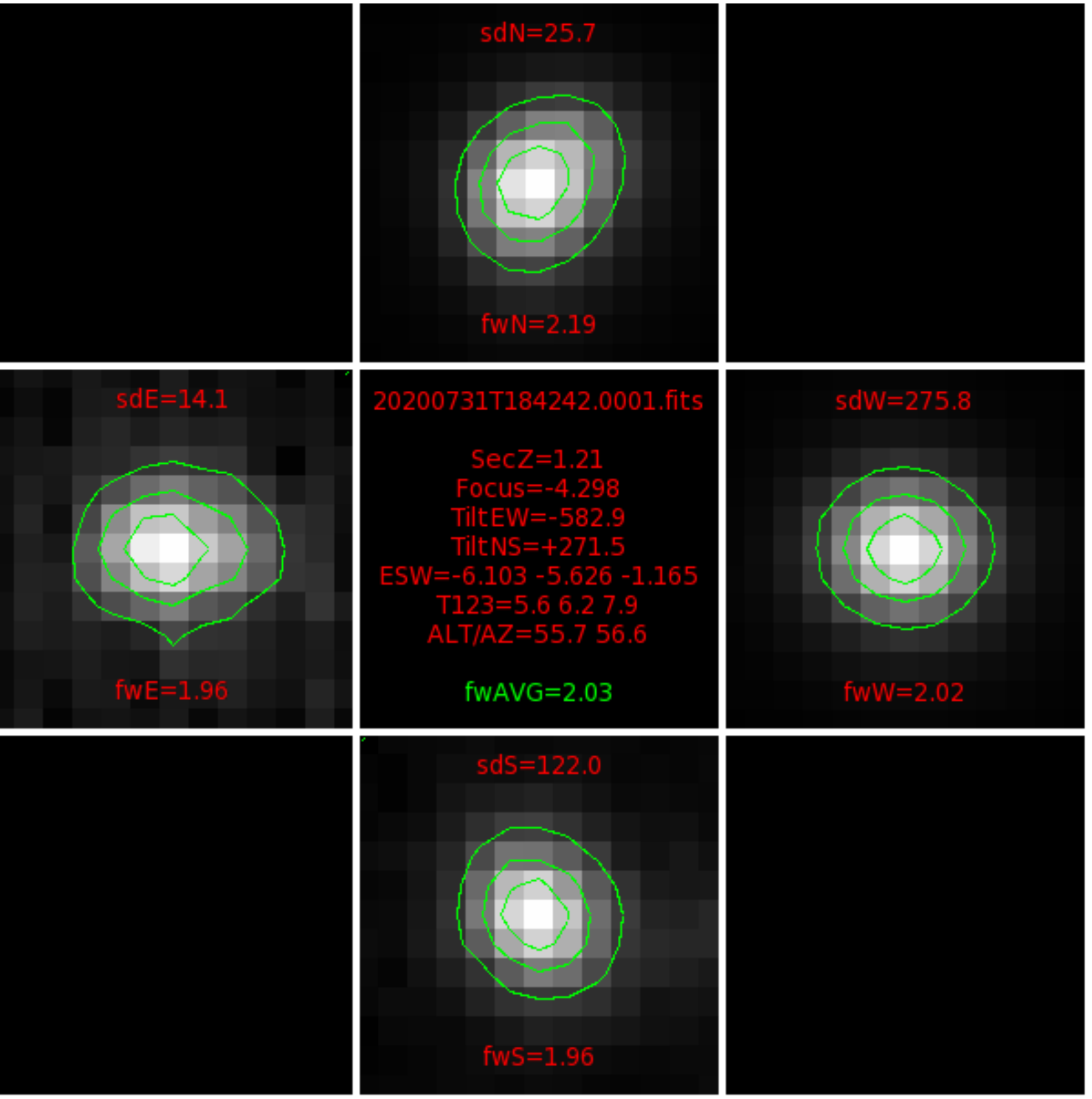
sdN=25.7
fwN=2.19
sdE=14.1
fwE=1.96
20200731T184242.0001.fits
SecZ=1.21
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.6 6.2 7.9
ALT/AZ=55.7 56.6
fwAVG=2.03
sdW=275.8
fwW=2.02
sdS=122.0
fwS=1.96
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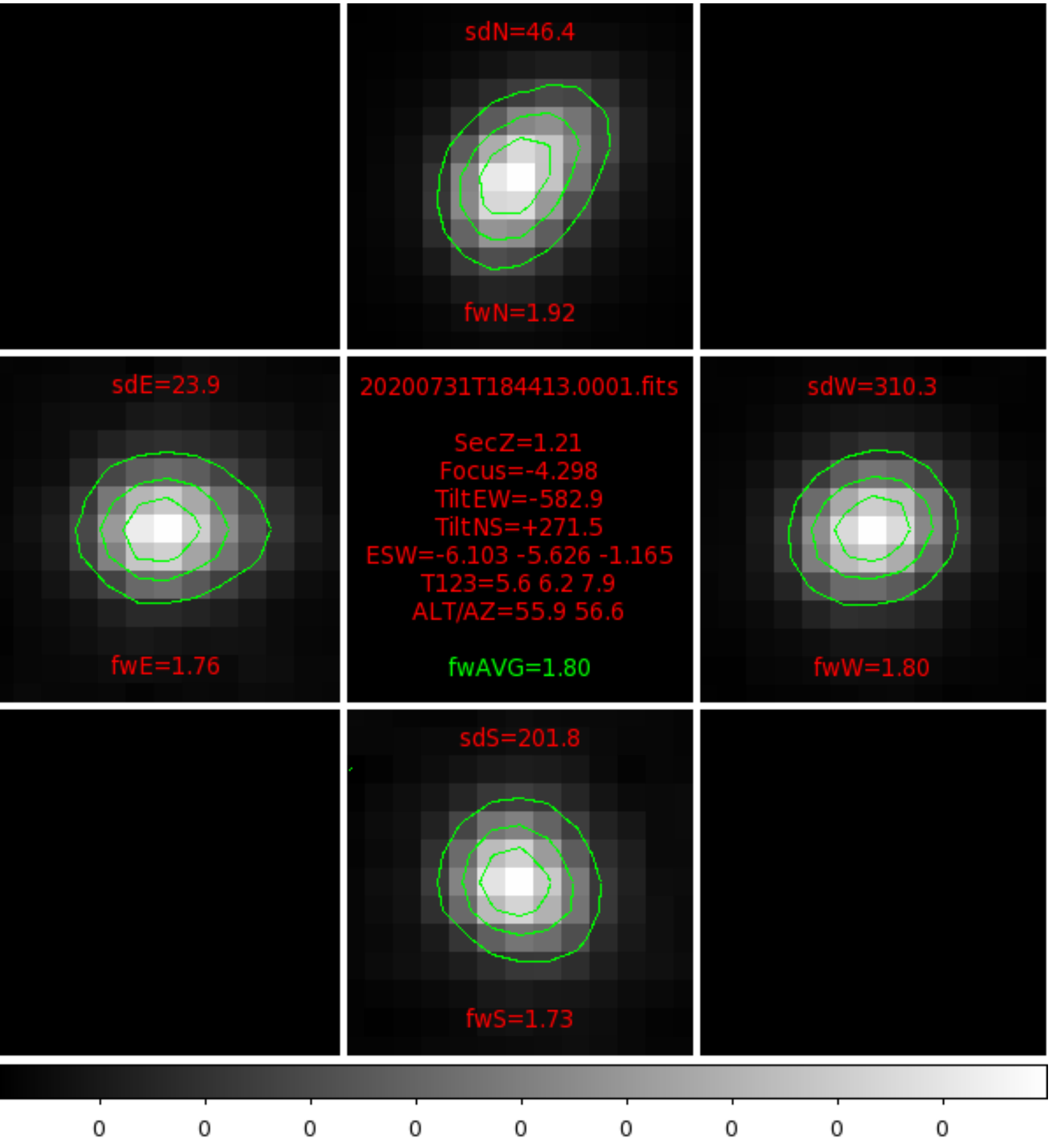
sdN=46.4
fwN=1.92
sdE=23.9
fwE=1.76
20200731T184413.0001.fits
SecZ=1.21
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.6 6.2 7.9
ALT/AZ=55.9 56.6
fwAVG=1.80
sdW=310.3
fwW=1.80
sdS=201.8
fwS=1.73
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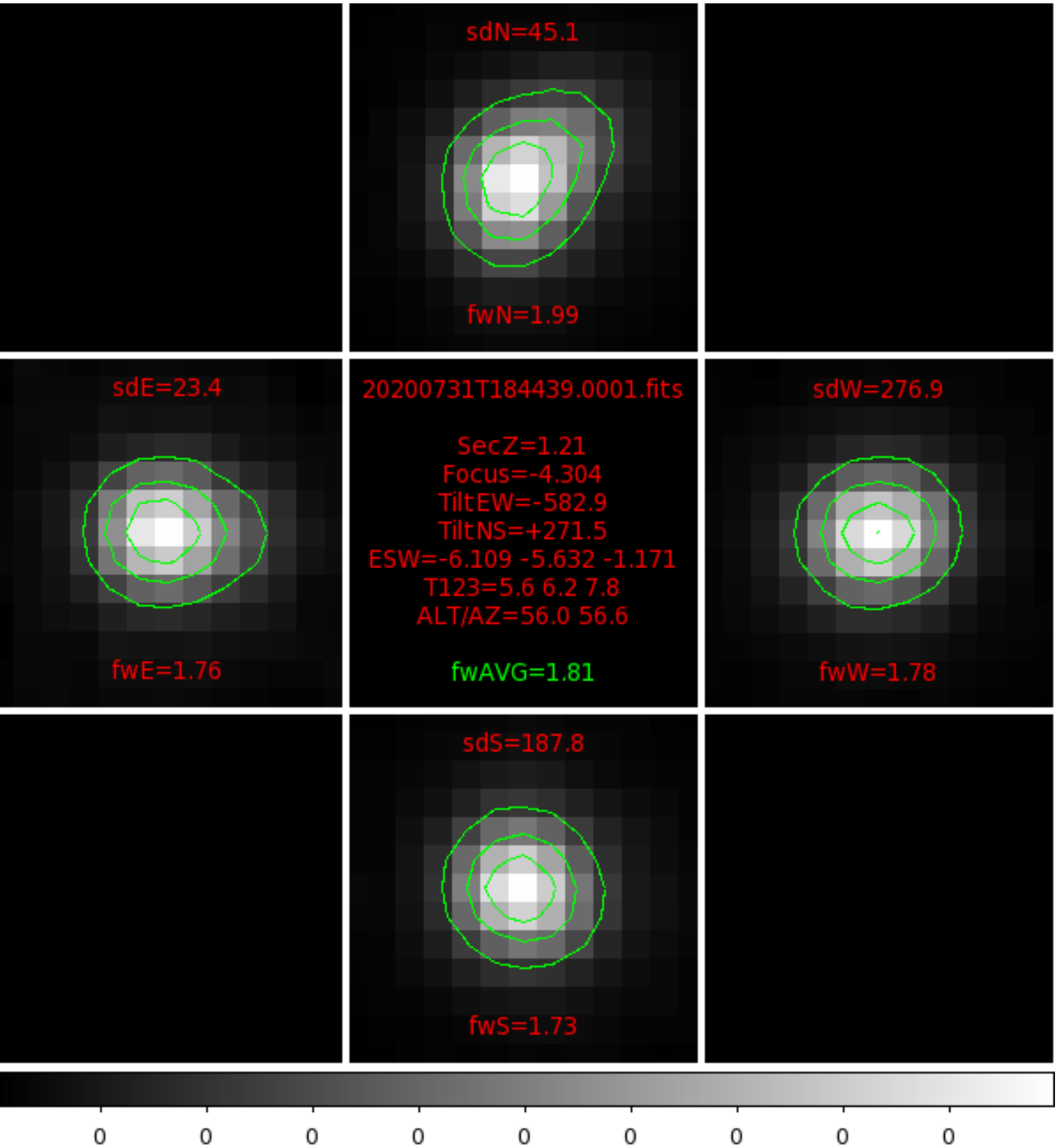
sdN=45.1
fwN=1.99
sdE=23.4
fwE=1.76
20200731T184439.0001.fits
SecZ=1.21
Focus=-4.304
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.109 -5.632 -1.171
T123=5.6 6.2 7.8
ALT/AZ=56.0 56.6
fwAVG=1.81
sdW=276.9
fwW=1.78
sdS=187.8
fwS=1.73
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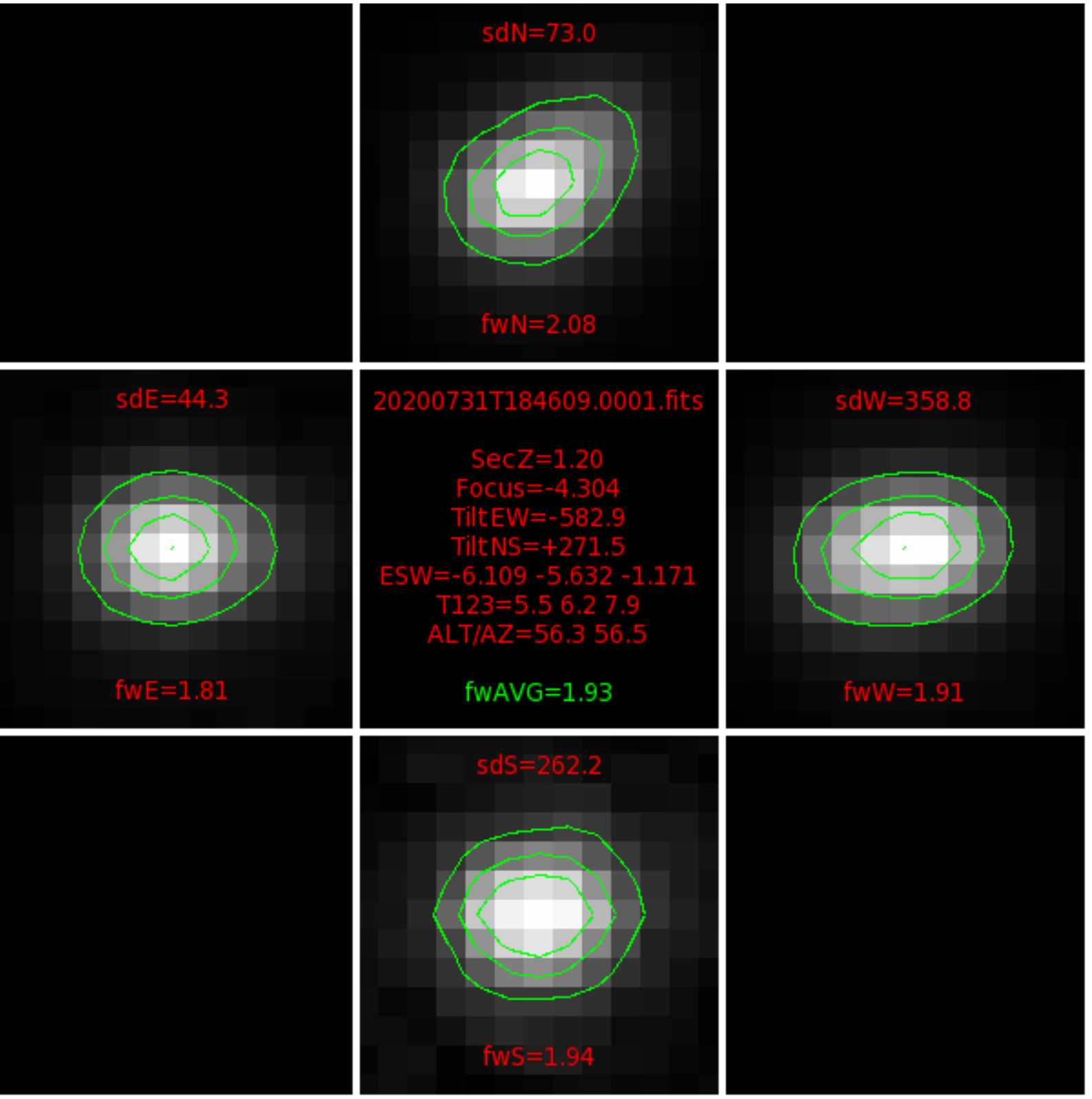
sdN=73.0
fwN=2.08
sdE=44.3
fwE=1.81
20200731T184609.0001.fits
SecZ=1.20
Focus=-4.304
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.109 -5.632 -1.171
T123=5.5 6.2 7.9
ALT/AZ=56.3 56.5
fwAVG=1.93
sdW=358.8
fwW=1.91
sdS=262.2
fwS=1.94
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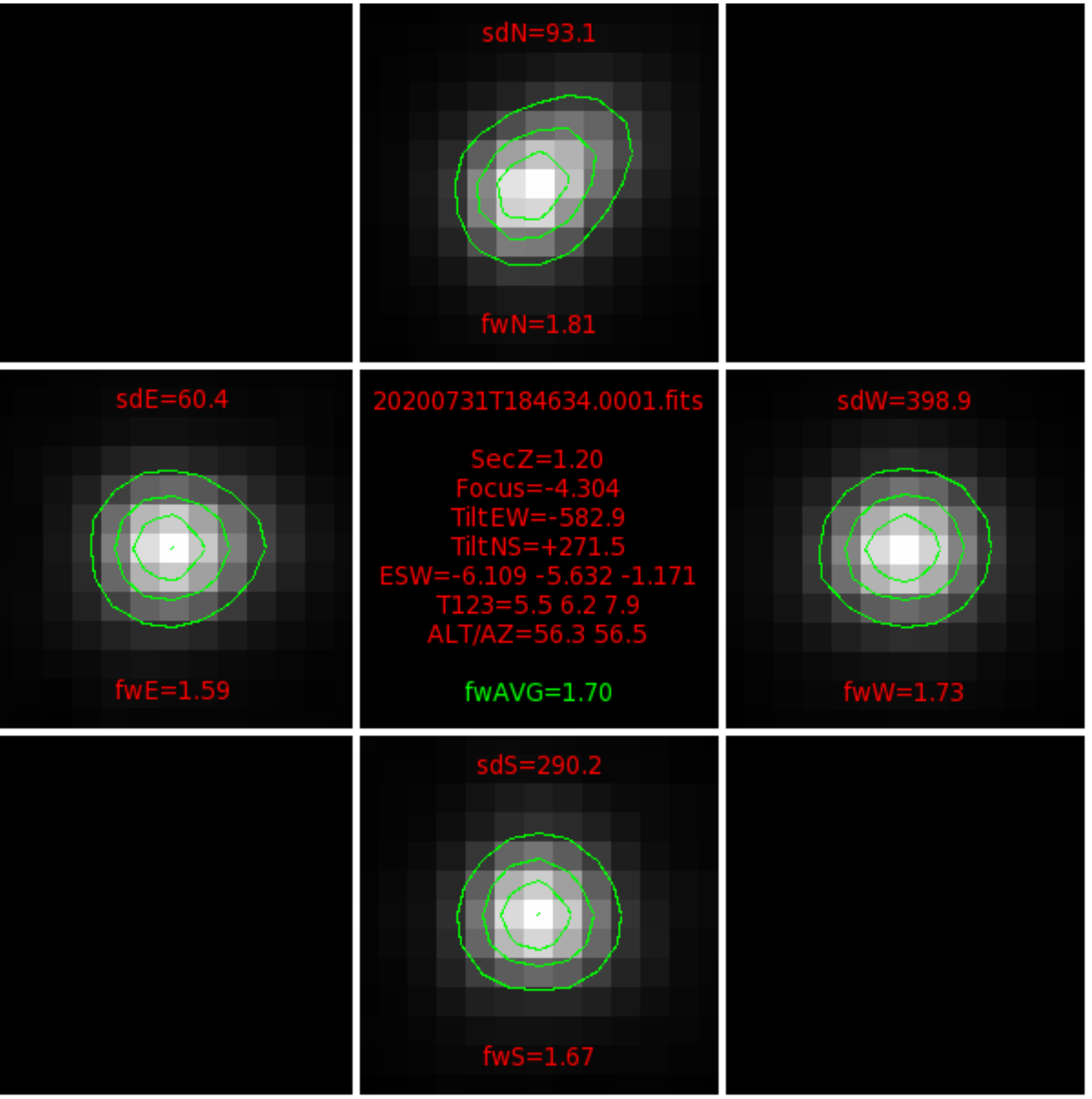
sdN=93.1
fwN=1.81
sdE=60.4
fwE=1.59
20200731T184634.0001.fits
SecZ=1.20
Focus=-4.304
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.109 -5.632 -1.171
T123=5.5 6.2 7.9
ALT/AZ=56.3 56.5
fwAVG=1.70
sdW=398.9
fwW=1.73
sdS=290.2
fwS=1.67
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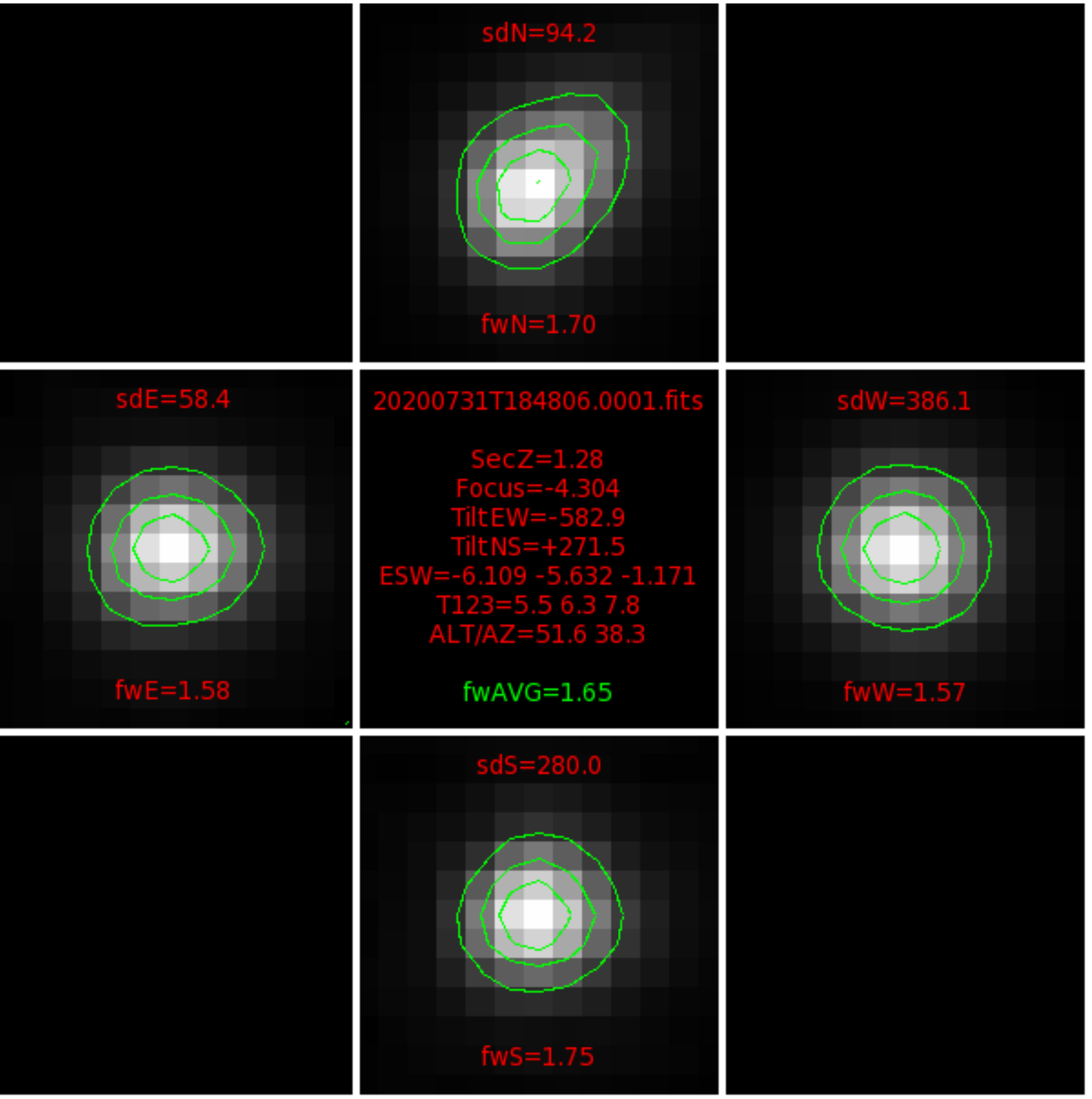
sdN=94.2
fwN=1.70
sdE=58.4
fwE=1.58
20200731T184806.0001.fits
SecZ=1.28
Focus=-4.304
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.109 -5.632 -1.171
T123=5.5 6.3 7.8
ALT/AZ=51.6 38.3
fwAVG=1.65
sdW=386.1
fwW=1.57
sdS=280.0
fwS=1.75
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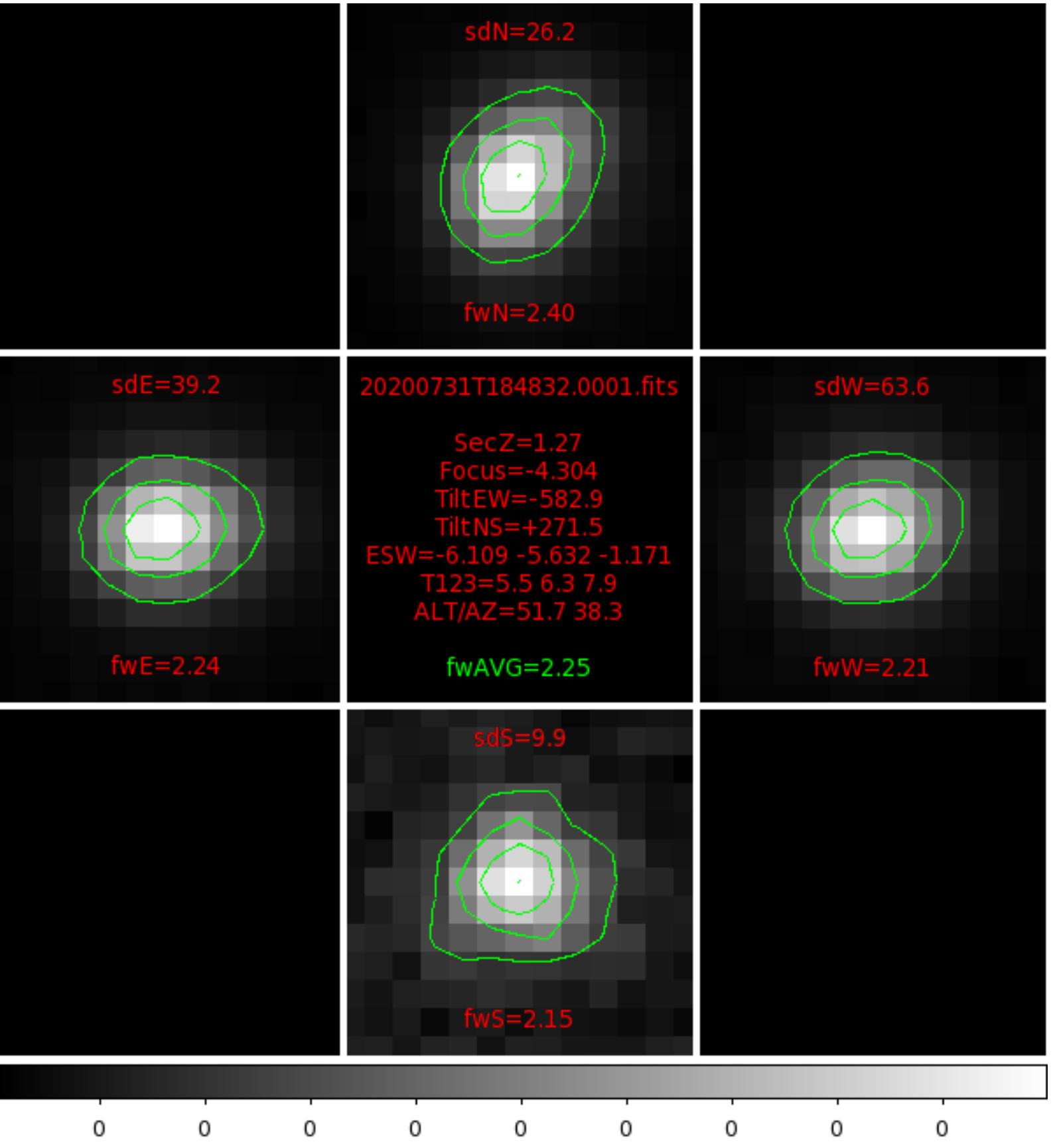
sdN=26.2
fwN=2.40
sdE=39.2
fwE=2.24
20200731T184832.0001.fits
SecZ=1.27
Focus=-4.304
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.109 -5.632 -1.171
T123=5.5 6.3 7.9
ALT/AZ=51.7 38.3
fwAVG=2.25
sdW=63.6
fwW=2.21
sdS=9.9
fwS=2.15
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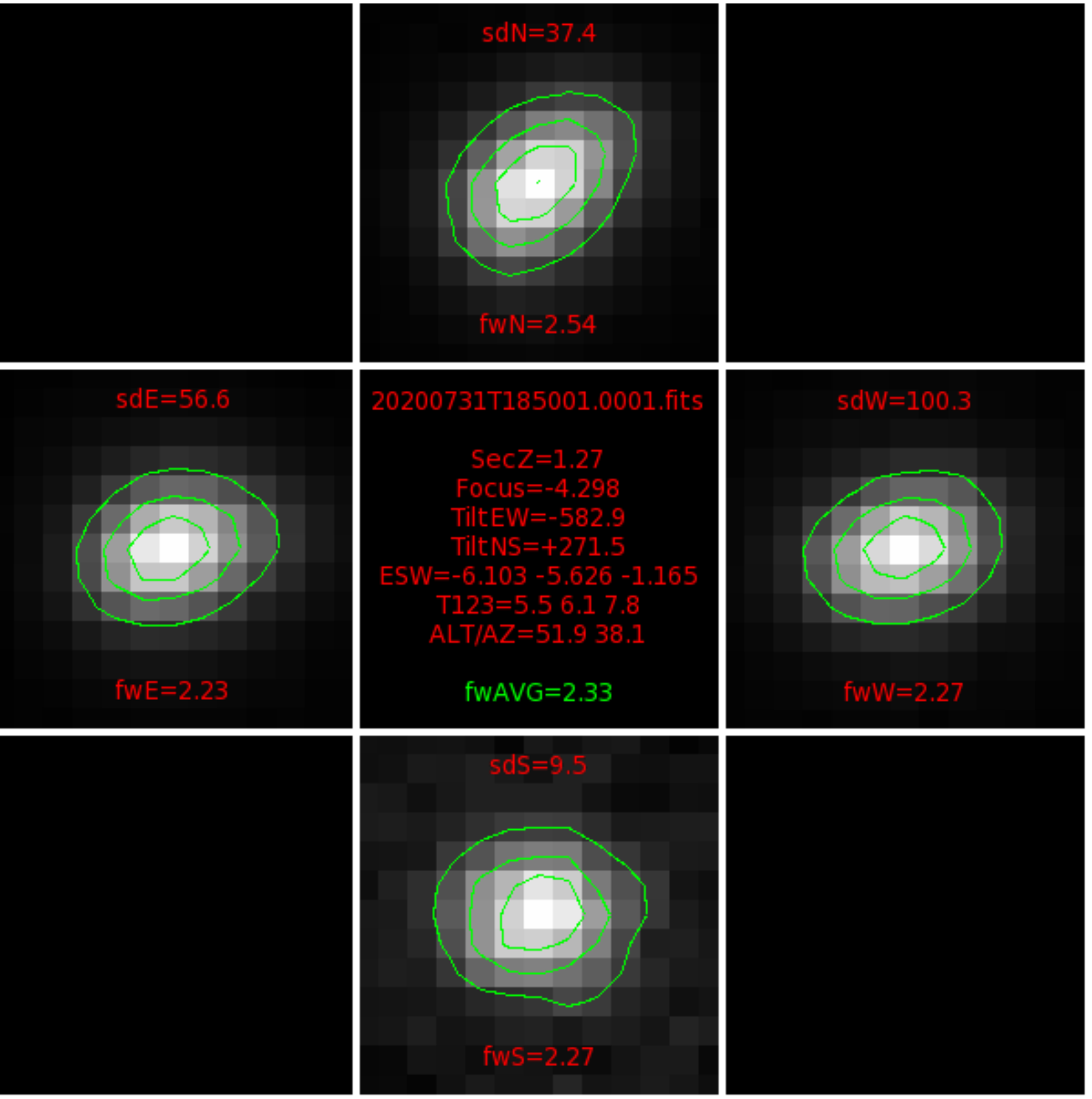
sdN=37.4
fwN=2.54
sdE=56.6
fwE=2.23
20200731T185001.0001.fits
SecZ=1.27
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.5 6.1 7.8
ALT/AZ=51.9 38.1
fwAVG=2.33
sdW=100.3
fwW=2.27
sdS=9.5
fwS=2.27
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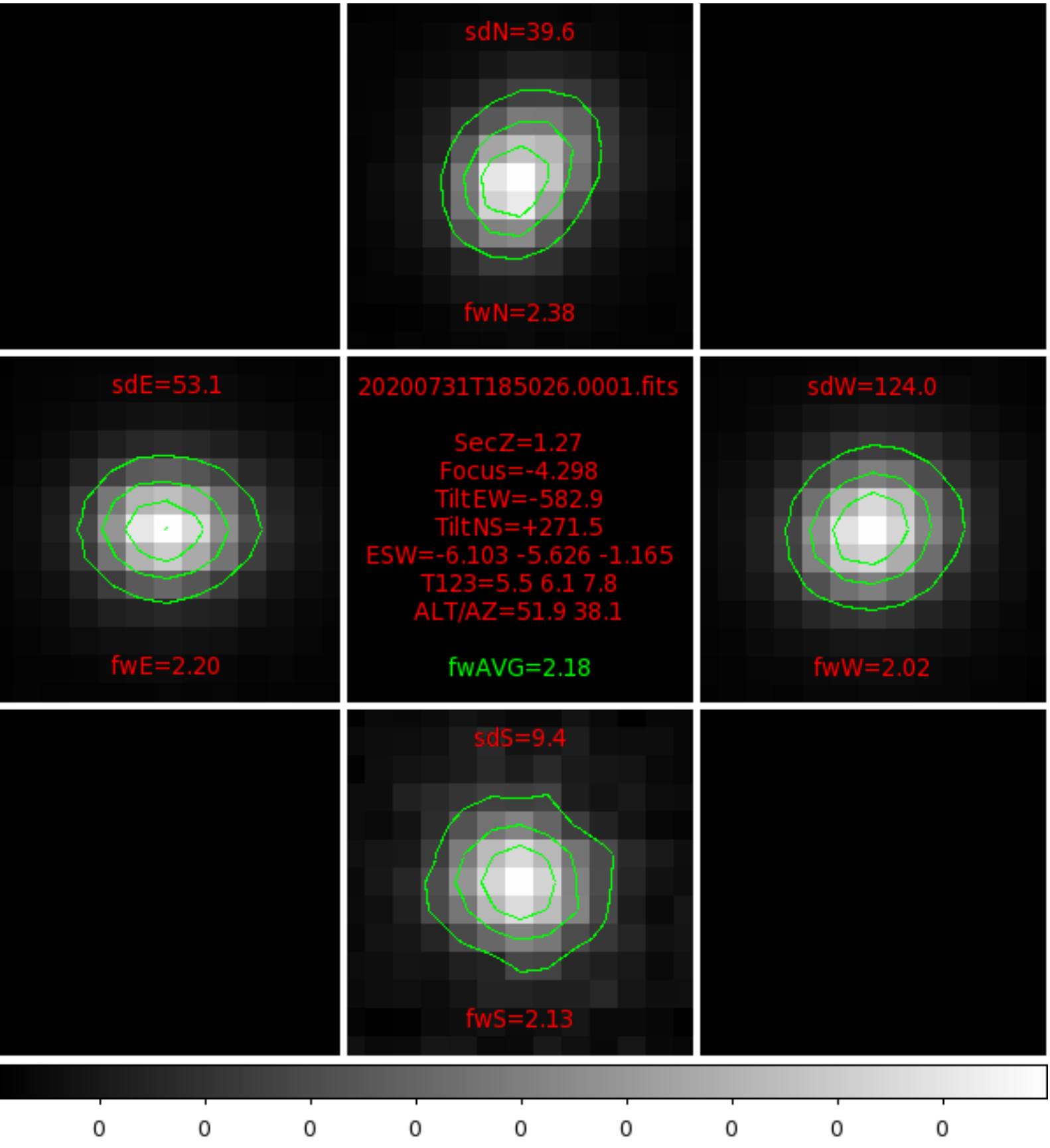
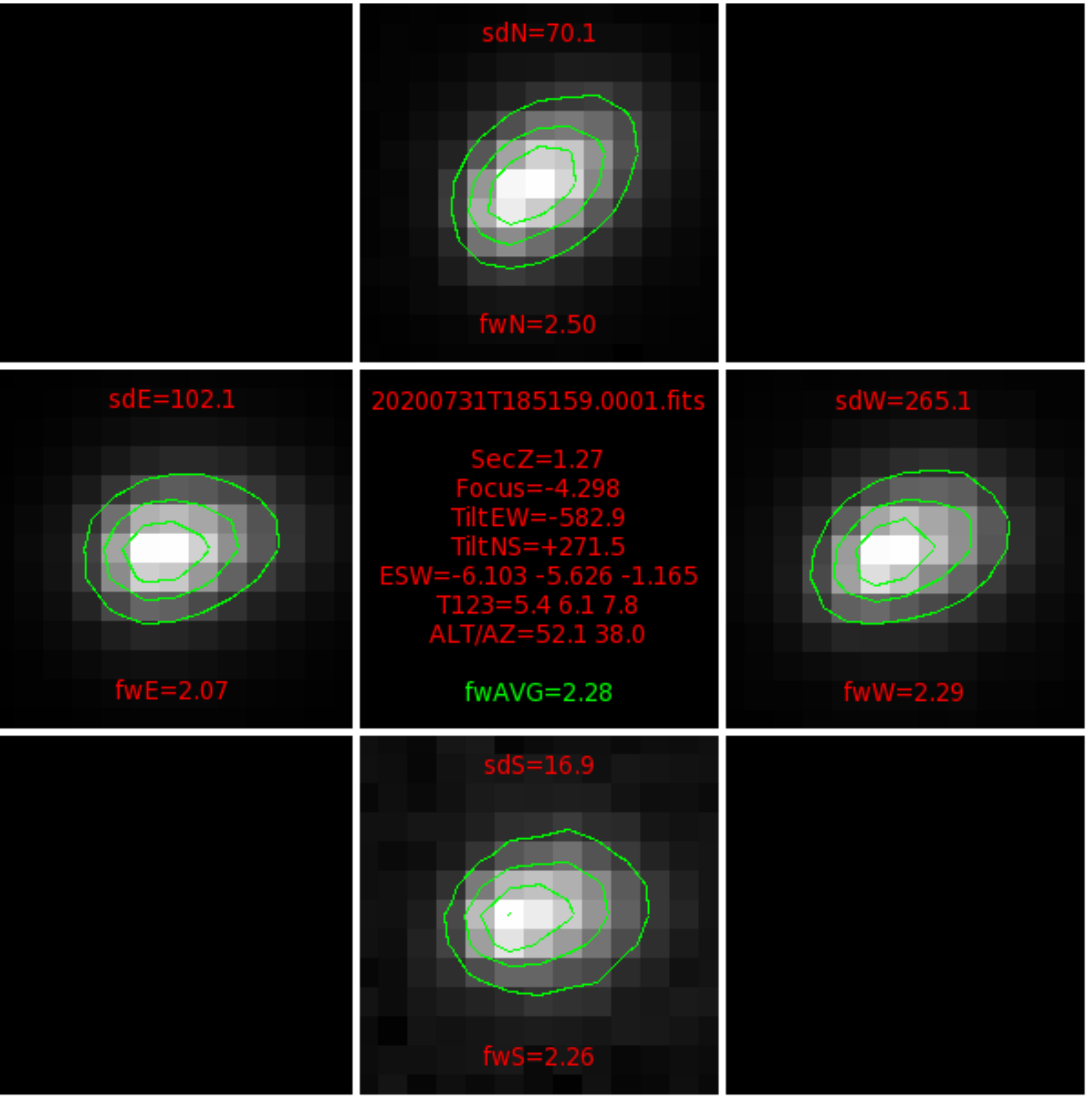
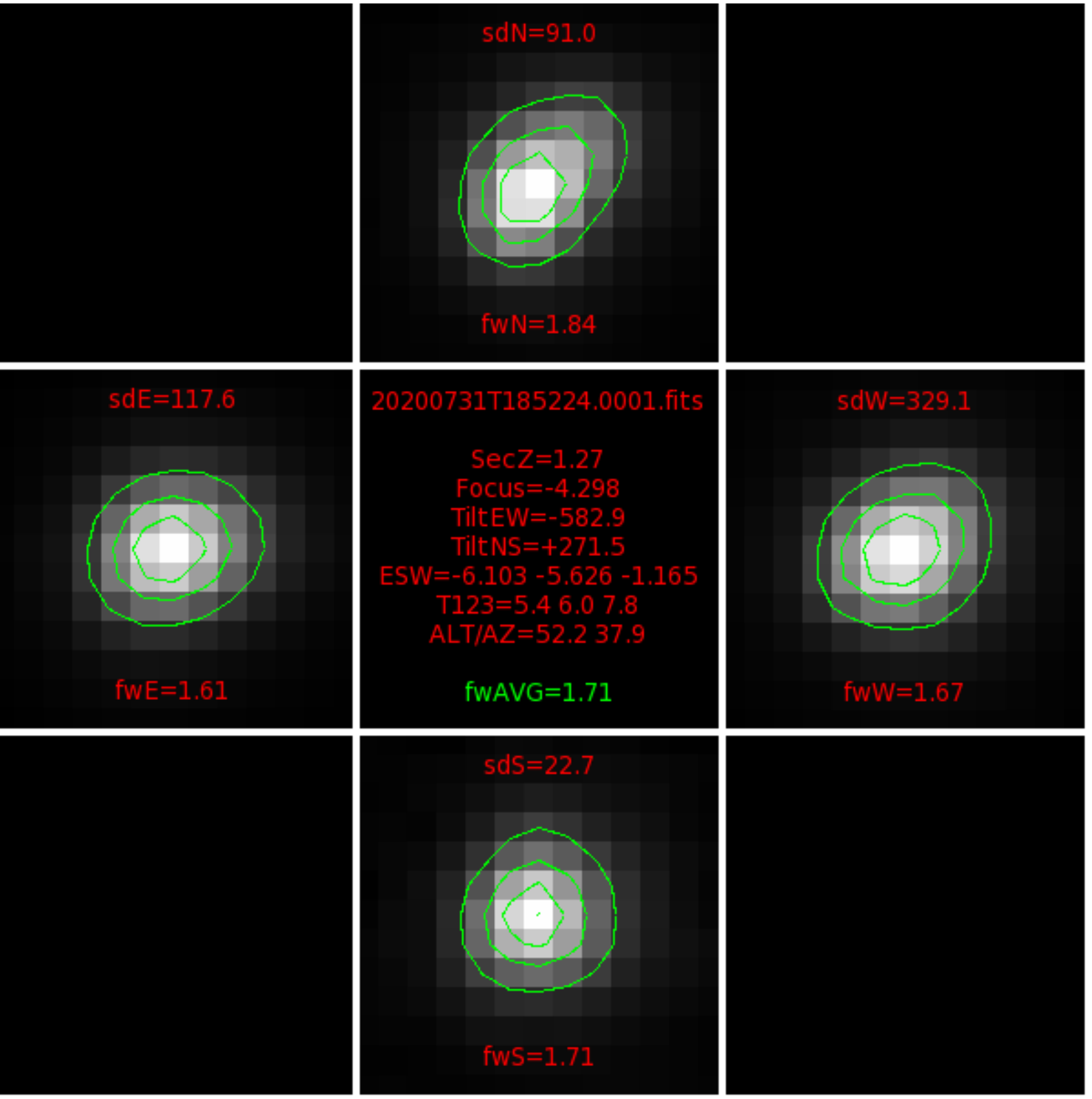
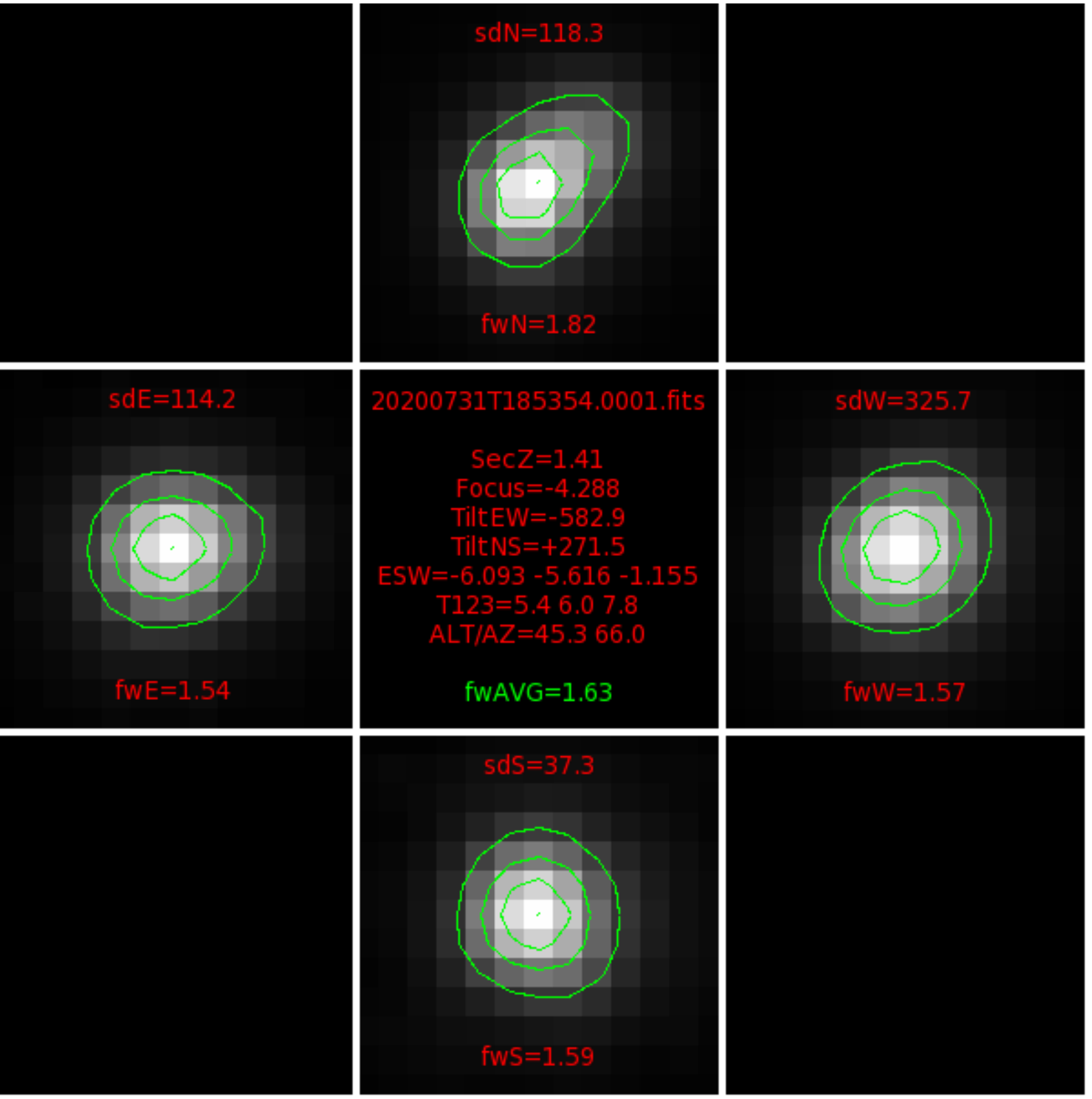

sdN=39.6
fwN=2.38
sdE=53.1
fwE=2.20
20200731T185026.0001.fits
SecZ=1.27
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.5 6.1 7.8
ALT/AZ=51.9 38.1
fwAVG=2.18
sdW=124.0
fwW=2.02
sdS=9.4
fwS=2.13
0 0 0 0 0 0 0 0 0


sdN=70.1
fwN=2.50
sdE=102.1
fwE=2.07
20200731T185159.0001.fits
SecZ=1.27
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.4 6.1 7.8
ALT/AZ=52.1 38.0
fwAVG=2.28
sdW=265.1
fwW=2.29
sdS=16.9
fwS=2.26
0 0 0 0 0 0 0 0 0


sdN=91.0
fwN=1.84
sdE=117.6
fwE=1.61
20200731T185224.0001.fits
SecZ=1.27
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.4 6.0 7.8
ALT/AZ=52.2 37.9
fwAVG=1.71
sdW=329.1
fwW=1.67
sdS=22.7
fwS=1.71
0 0 0 0 0 0 0 0 0


sdN=118.3
fwN=1.82
sdE=114.2
fwE=1.54
20200731T185354.0001.fits
SecZ=1.41
Focus=-4.288
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.093 -5.616 -1.155
T123=5.4 6.0 7.8
ALT/AZ=45.3 66.0
fwAVG=1.63
sdW=325.7
fwW=1.57
sdS=37.3
fwS=1.59
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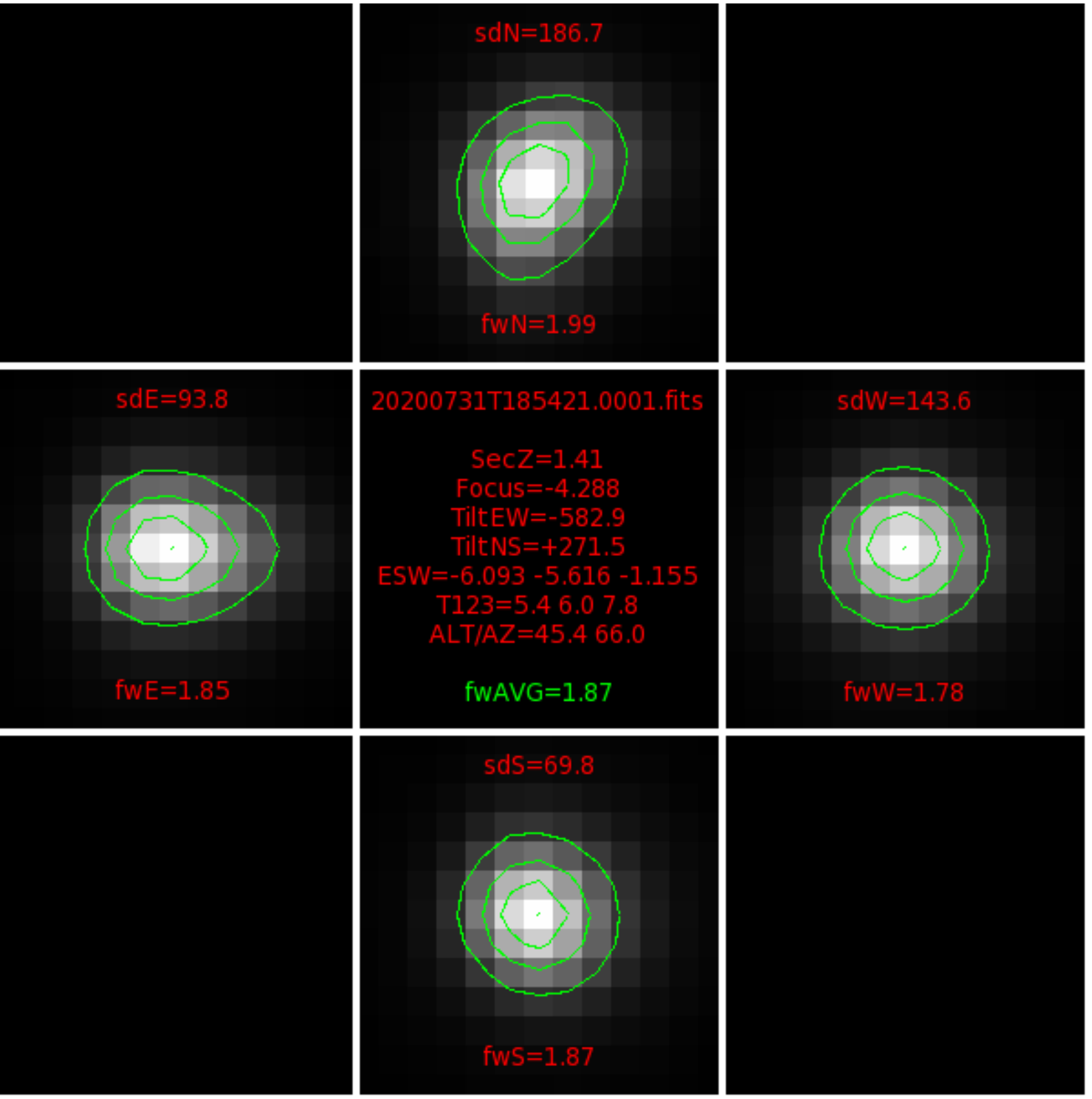
sdN=186.7
fwN=1.99
sdE=93.8
fwE=1.85
20200731T185421.0001.fits
SecZ=1.41
Focus=-4.288
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.093 -5.616 -1.155
T123=5.4 6.0 7.8
ALT/AZ=45.4 66.0
fwAVG=1.87
sdW=143.6
fwW=1.78
sdS=69.8
fwS=1.87
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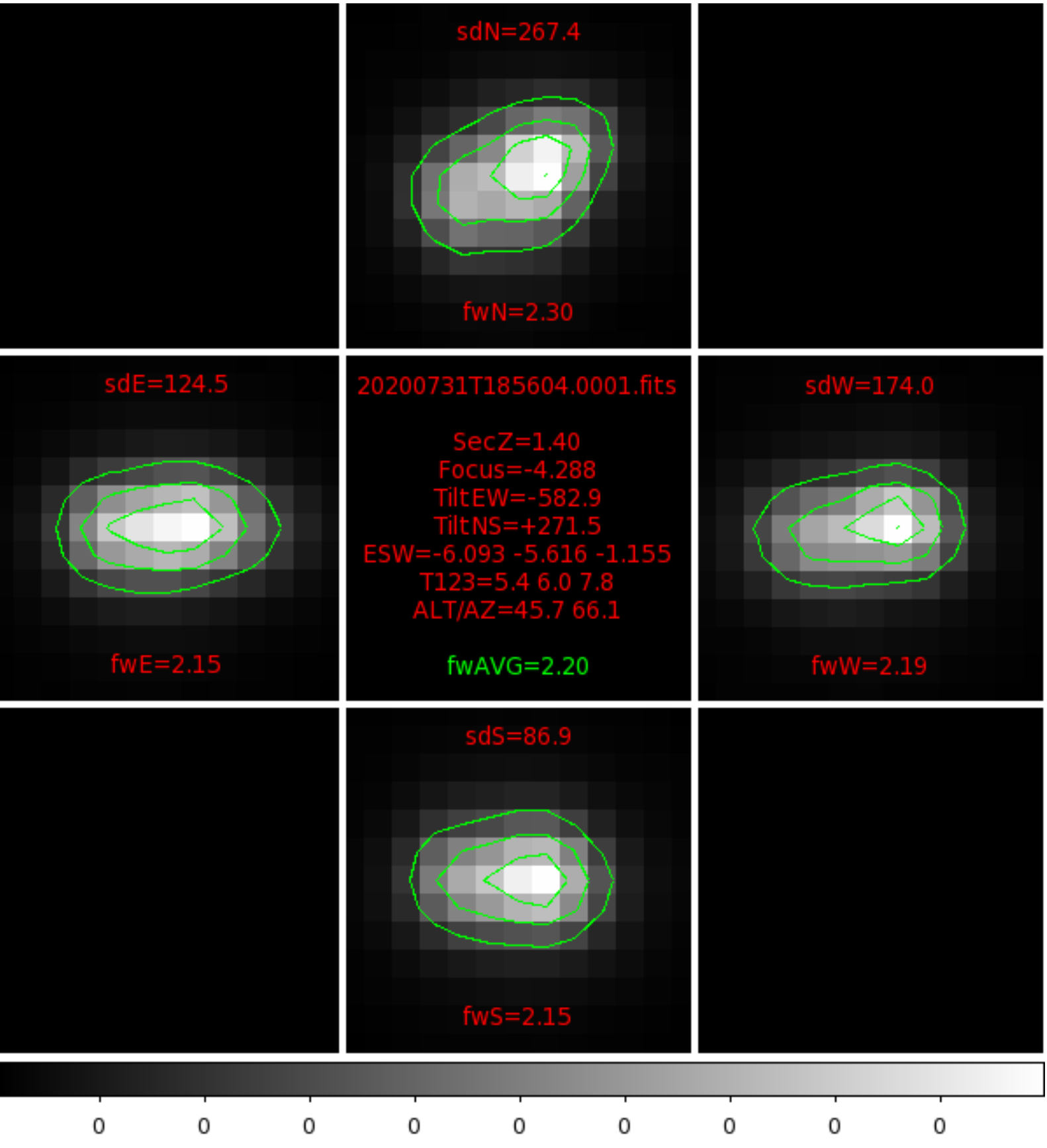
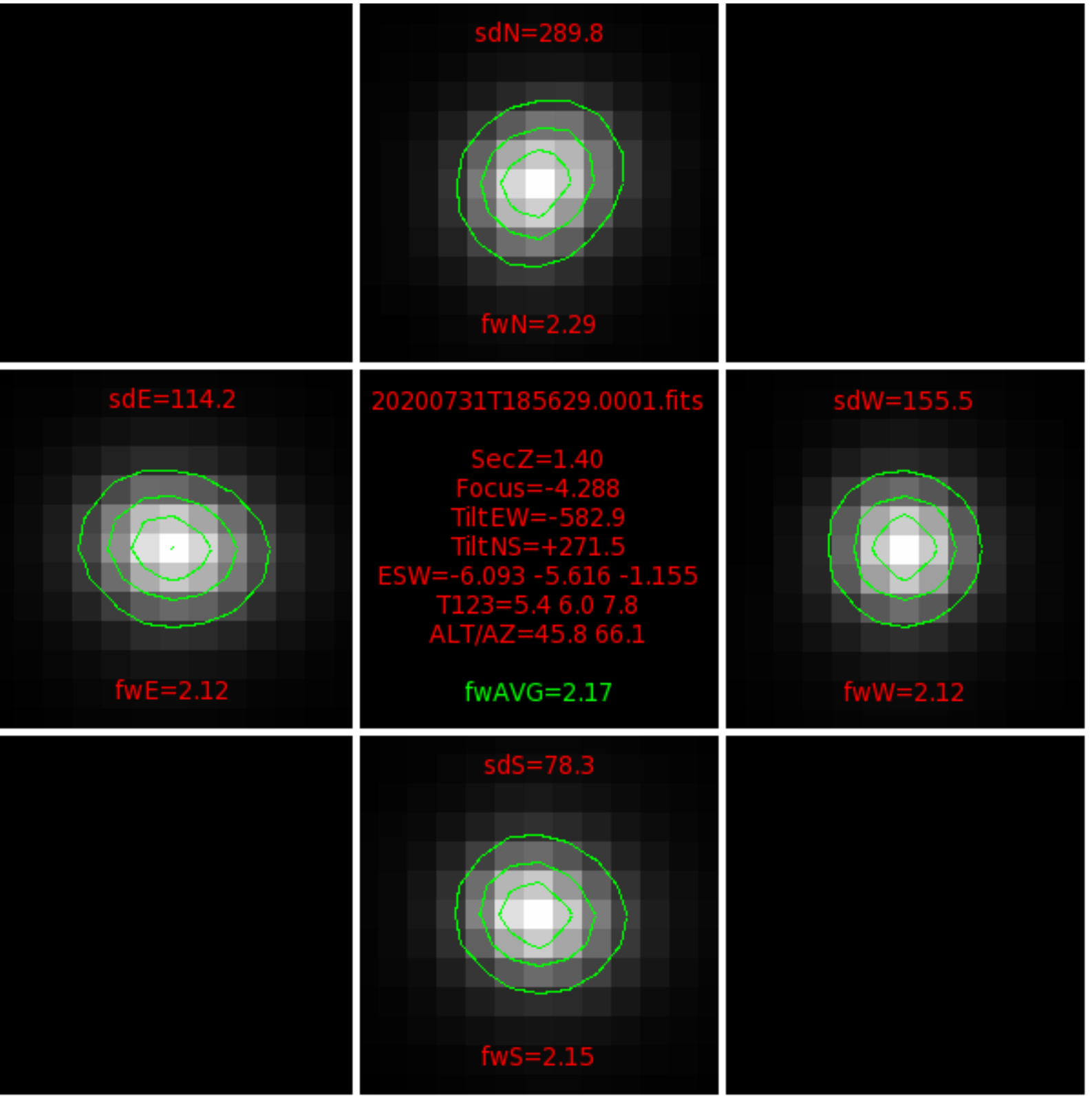

sdN=267.4
fwN=2.30
sdE=124.5
fwE=2.15
20200731T185604.0001.fits
SecZ=1.40
Focus=-4.288
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.093 -5.616 -1.155
T123=5.4 6.0 7.8
ALT/AZ=45.7 66.1
fwAVG=2.20
sdW=174.0
fwW=2.19
sdS=86.9
fwS=2.15
0 0 0 0 0 0 0 0 0


sdN=289.8
fwN=2.29
sdE=114.2
fwE=2.12
20200731T185629.0001.fits
SecZ=1.40
Focus=-4.288
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.093 -5.616 -1.155
T123=5.4 6.0 7.8
ALT/AZ=45.8 66.1
fwAVG=2.17
sdW=155.5
fwW=2.12
sdS=78.3
fwS=2.15
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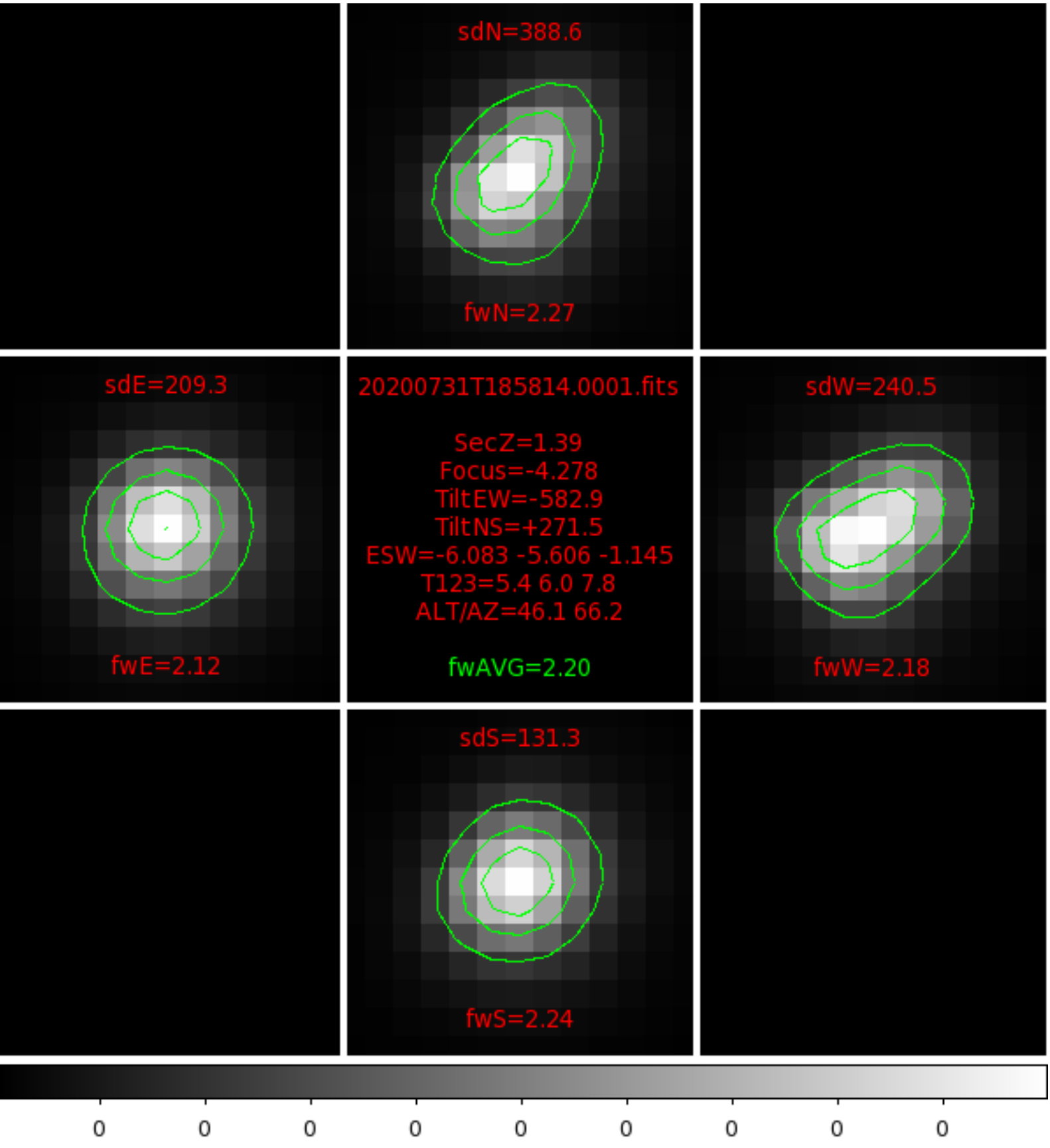
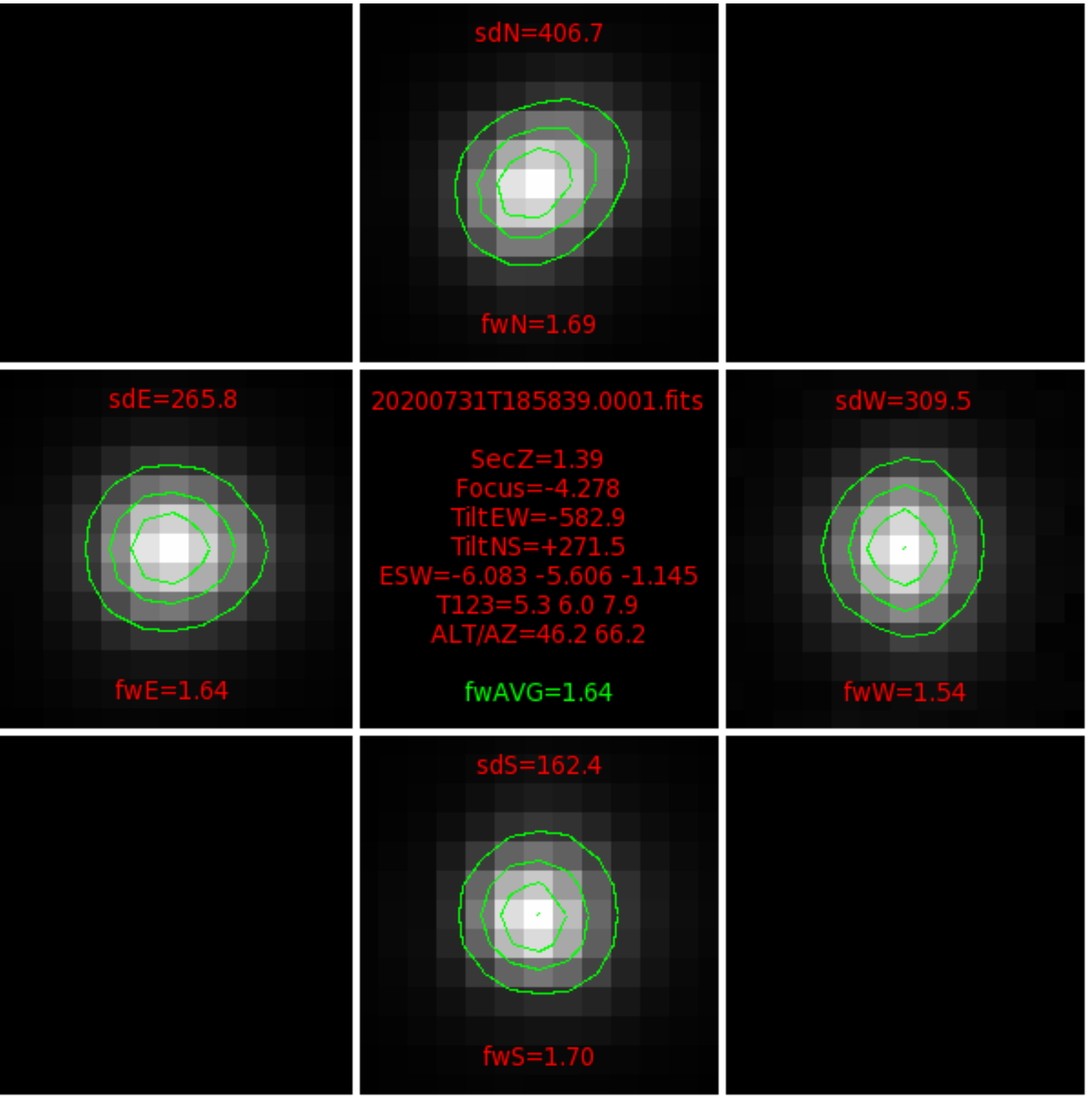
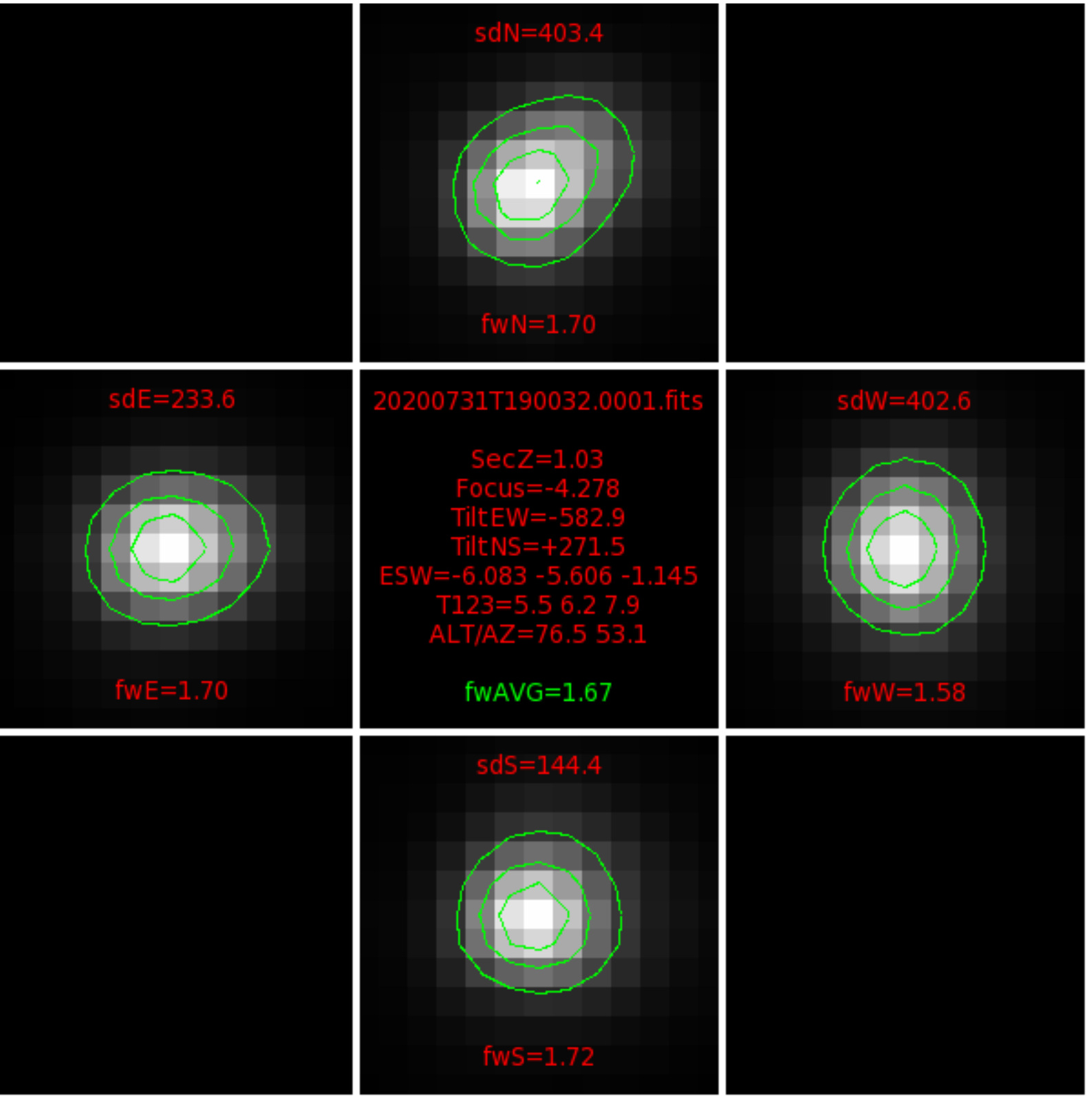

sdN=388.6
fwN=2.27
sdE=209.3
fwE=2.12
20200731T185814.0001.fits
SecZ=1.39
Focus=-4.278
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.083 -5.606 -1.145
T123=5.4 6.0 7.8
ALT/AZ=46.1 66.2
fwAVG=2.20
sdW=240.5
fwW=2.18
sdS=131.3
fwS=2.24
0 0 0 0 0 0 0 0 0


sdN=406.7
fwN=1.69
sdE=265.8
fwE=1.64
20200731T185839.0001.fits
SecZ=1.39
Focus=-4.278
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.083 -5.606 -1.145
T123=5.3 6.0 7.9
ALT/AZ=46.2 66.2
fwAVG=1.64
sdW=309.5
fwW=1.54
sdS=162.4
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=403.4
fwN=1.70
sdE=233.6
fwE=1.70
20200731T190032.0001.fits
SecZ=1.03
Focus=-4.278
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.083 -5.606 -1.145
T123=5.5 6.2 7.9
ALT/AZ=76.5 53.1
fwAVG=1.67
sdW=402.6
fwW=1.58
sdS=144.4
fwS=1.72
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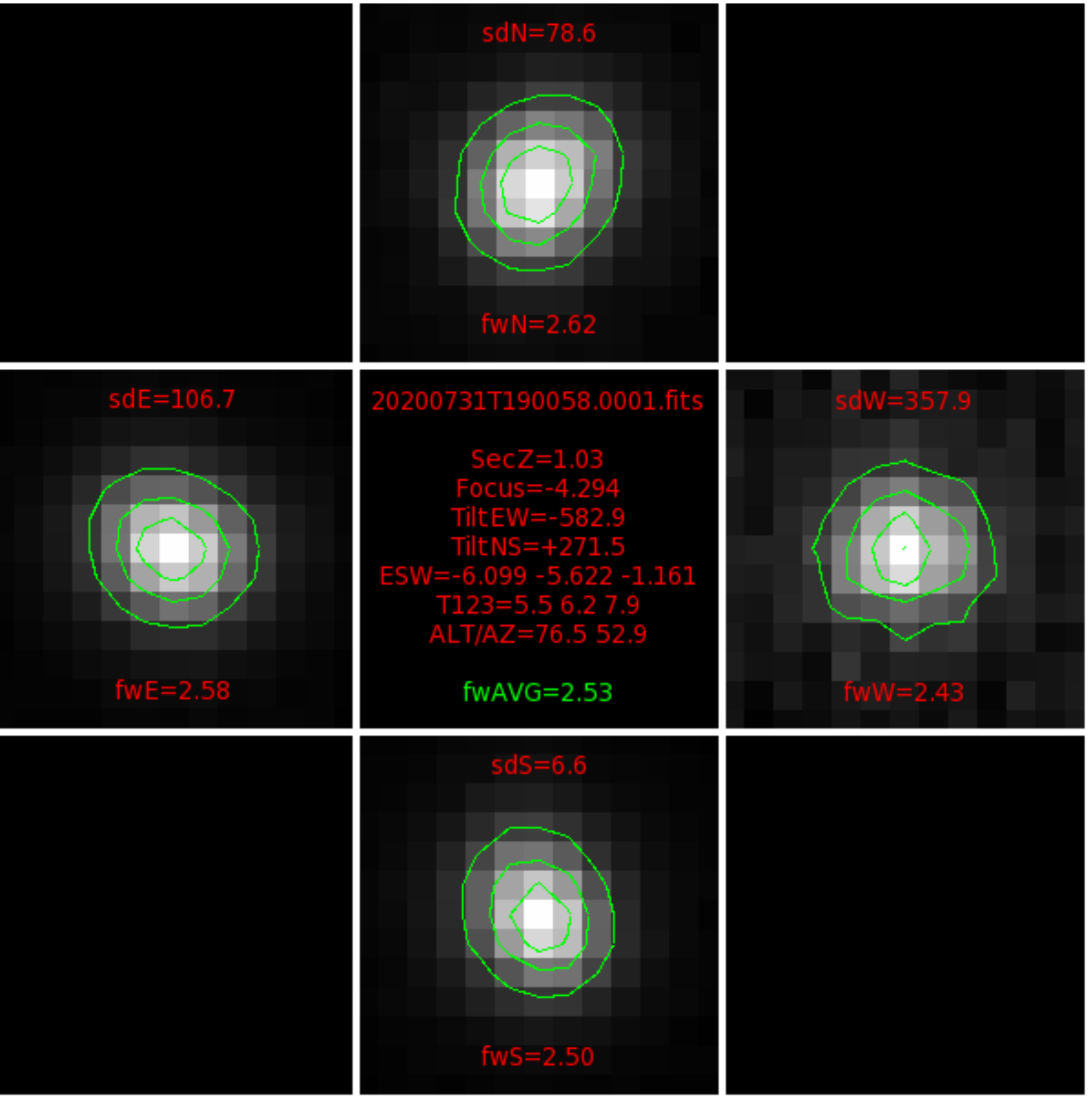
sdN=78.6
fwN=2.62
sdE=106.7
fwE=2.58
20200731T190058.0001.fits
SecZ=1.03
Focus=-4.294
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.099 -5.622 -1.161
T123=5.5 6.2 7.9
ALT/AZ=76.5 52.9
fwAVG=2.53
sdW=357.9
fwW=2.43
sdS=6.6
fwS=2.50
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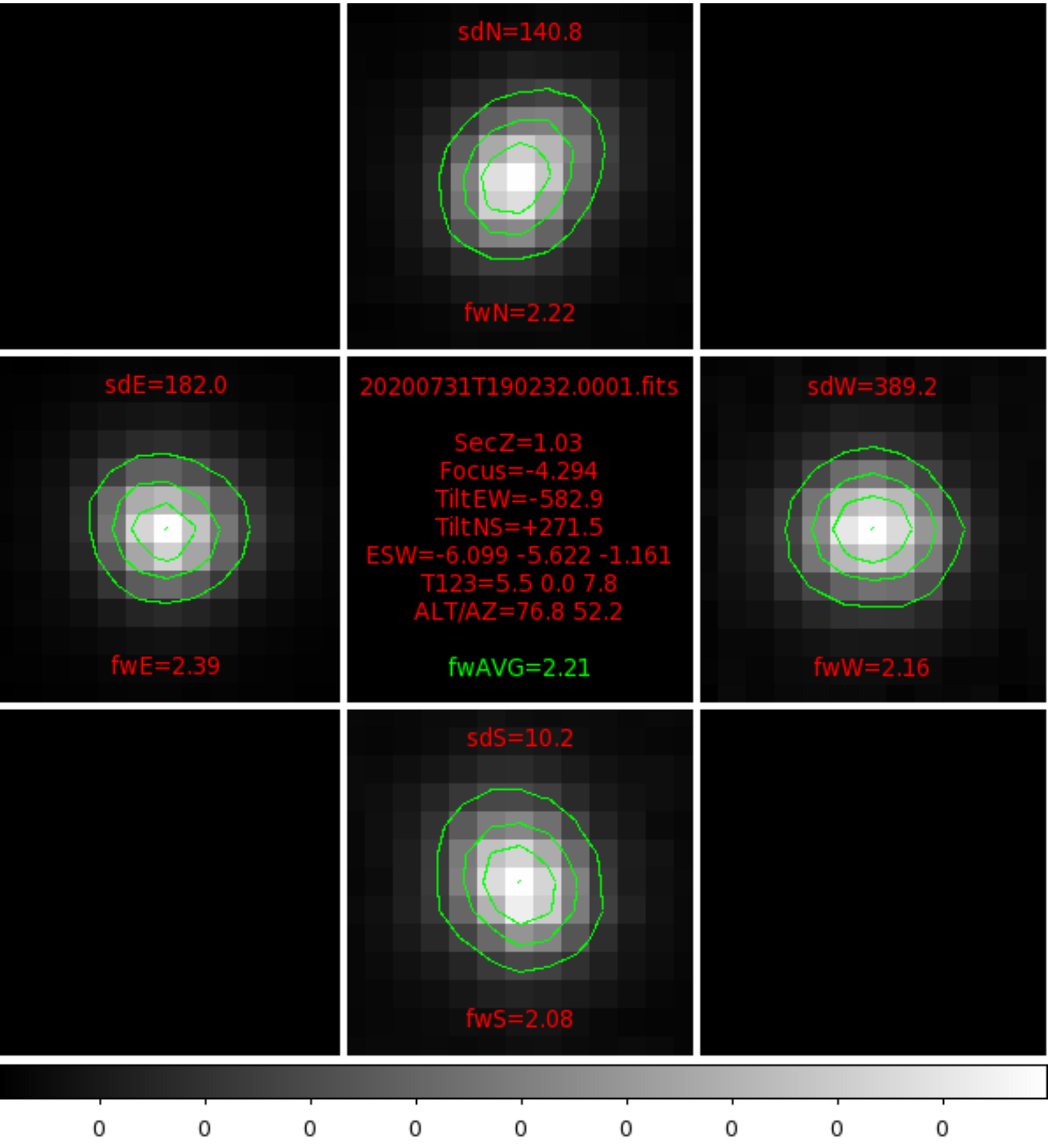
sdN=140.8
fwN=2.22
sdE=182.0
fwE=2.39
20200731T190232.0001.fits
SecZ=1.03
Focus=-4.294
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.099 -5.622 -1.161
T123=5.5 0.0 7.8
ALT/AZ=76.8 52.2
fwAVG=2.21
sdW=389.2
fwW=2.16
sdS=10.2
fwS=2.08
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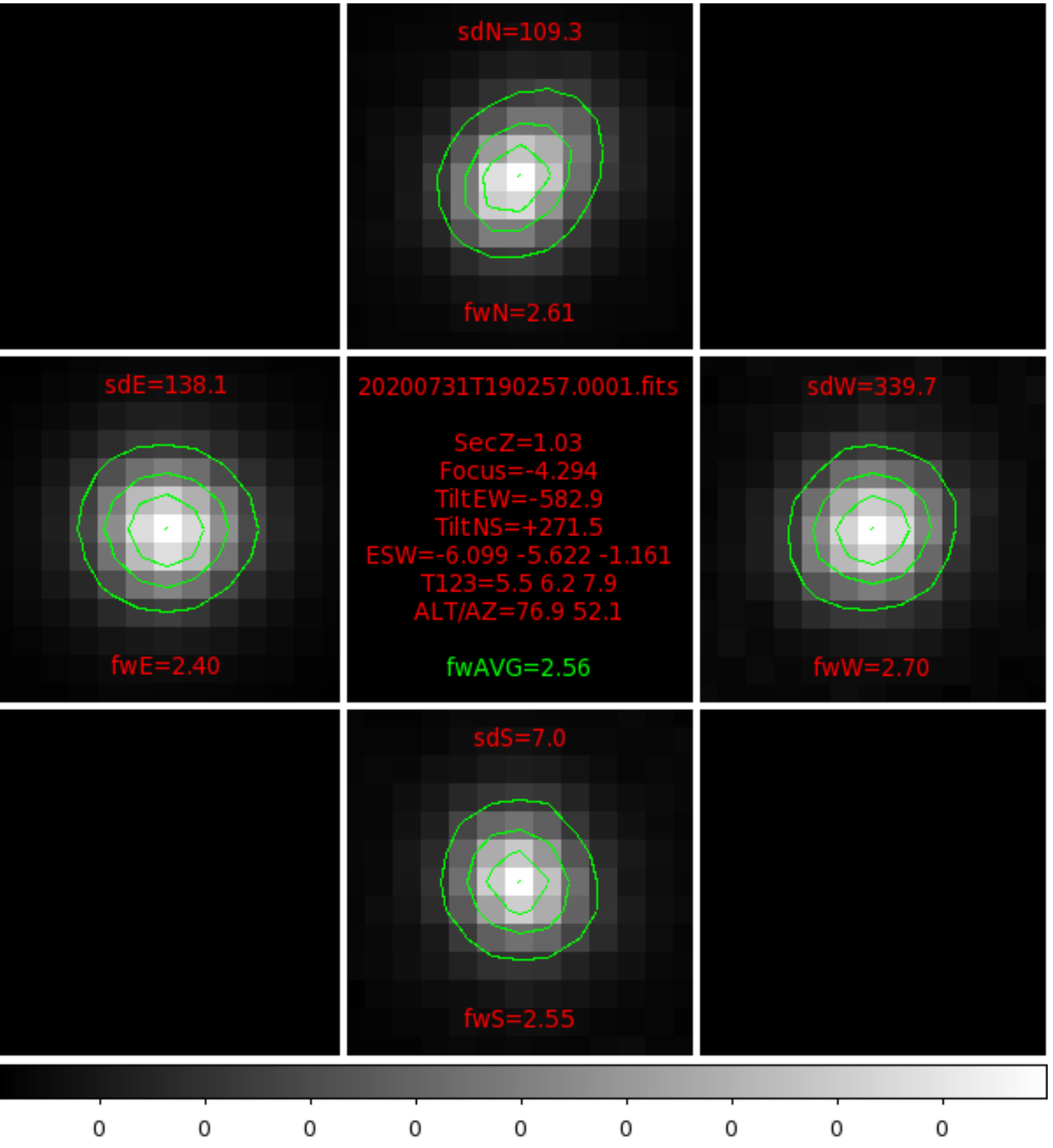
sdN=109.3
fwN=2.61
sdE=138.1
fwE=2.40
20200731T190257.0001.fits
SecZ=1.03
Focus=-4.294
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.099 -5.622 -1.161
T123=5.5 6.2 7.9
ALT/AZ=76.9 52.1
fwAVG=2.56
sdW=339.7
fwW=2.70
sdS=7.0
fwS=2.55
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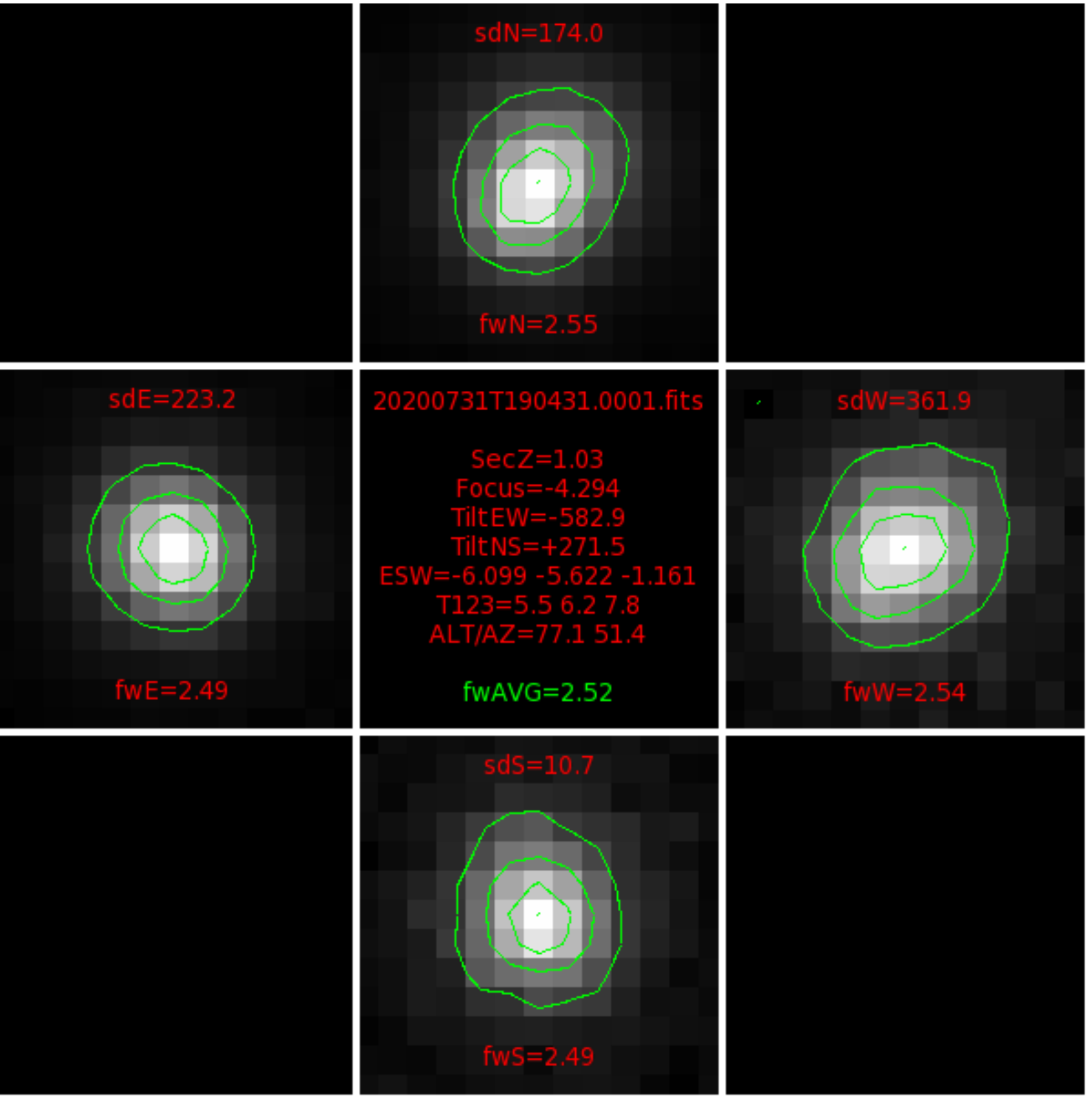
sdN=174.0
fwN=2.55
sdE=223.2
fwE=2.49
20200731T190431.0001.fits
SecZ=1.03
Focus=-4.294
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.099 -5.622 -1.161
T123=5.5 6.2 7.8
ALT/AZ=77.1 51.4
fwAVG=2.52
sdW=361.9
fwW=2.54
sdS=10.7
fwS=2.49
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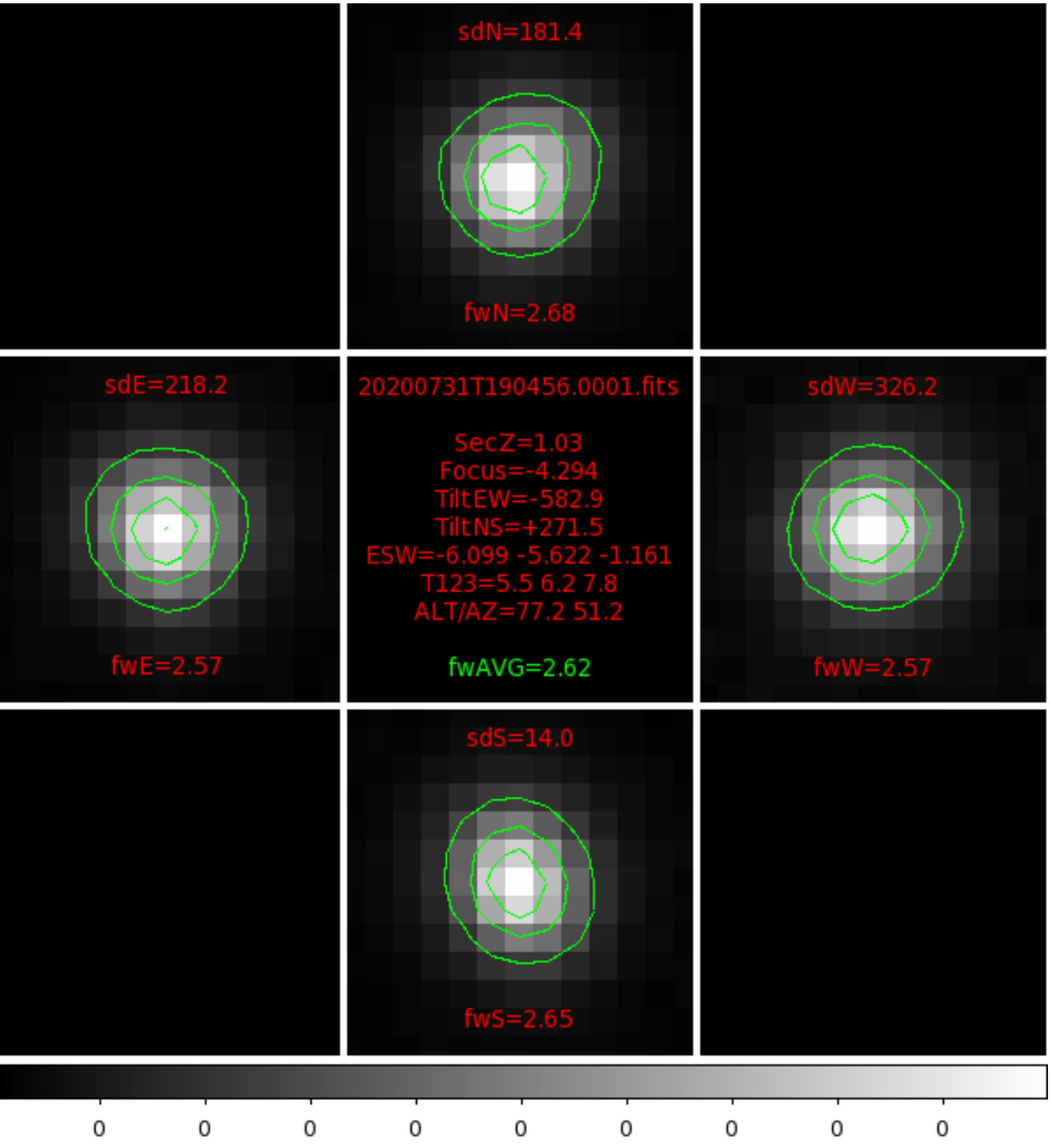
sdN=181.4
fwN=2.68
sdE=218.2
fwE=2.57
20200731T190456.0001.fits
SecZ=1.03
Focus=-4.294
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.099 -5.622 -1.161
T123=5.5 6.2 7.8
ALT/AZ=77.2 51.2
fwAVG=2.62
sdW=326.2
fwW=2.57
sdS=14.0
fwS=2.65
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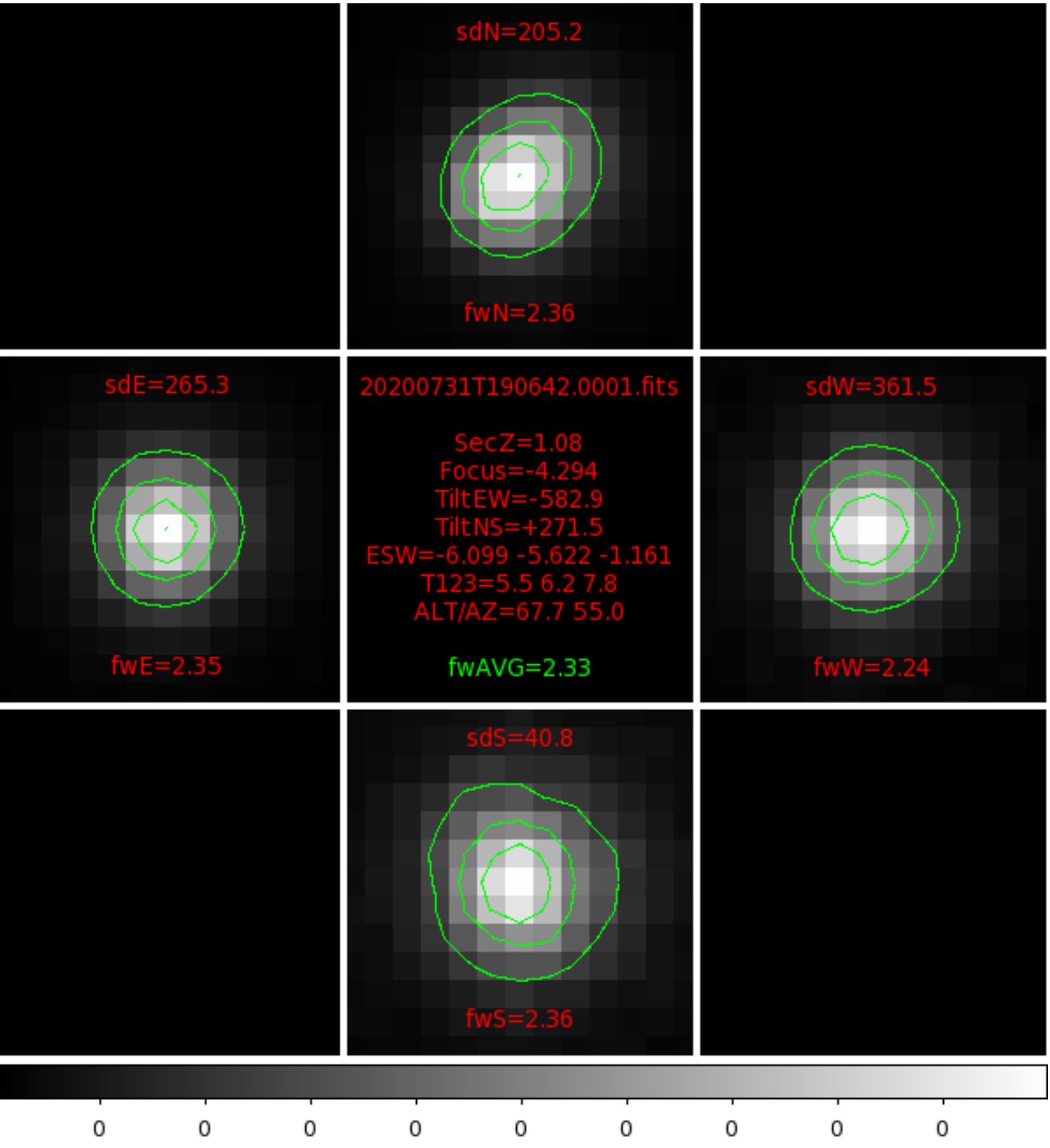
sdN=205.2
fwN=2.36
sdE=265.3
fwE=2.35
20200731T190642.0001.fits
SecZ=1.08
Focus=-4.294
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.099 -5.622 -1.161
T123=5.5 6.2 7.8
ALT/AZ=67.7 55.0
fwAVG=2.33
sdW=361.5
fwW=2.24
sdS=40.8
fwS=2.36
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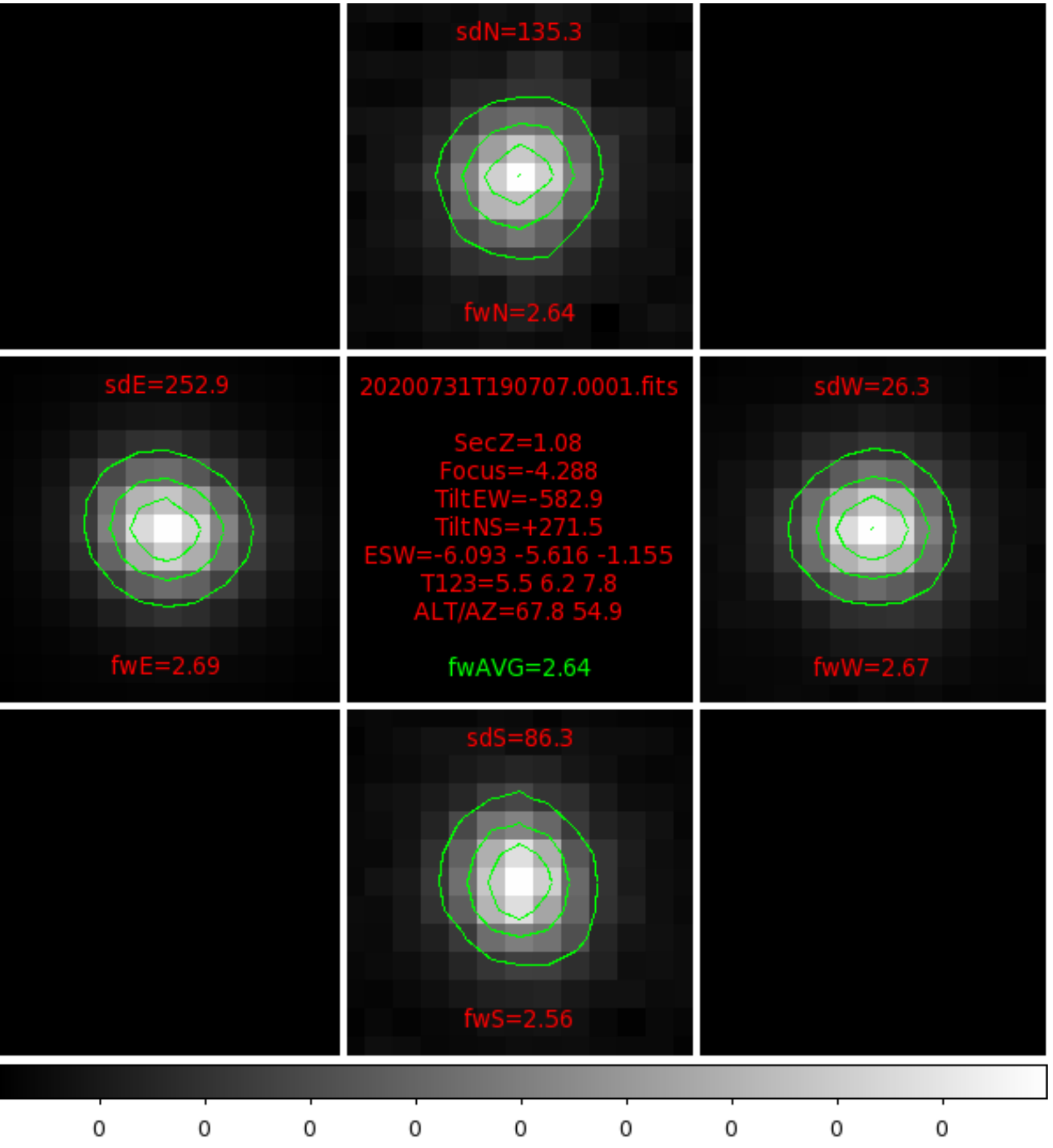
sdN=135.3
fwN=2.64
sdE=252.9
fwE=2.69
20200731T190707.0001.fits
SecZ=1.08
Focus=-4.288
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.093 -5.616 -1.155
T123=5.5 6.2 7.8
ALT/AZ=67.8 54.9
fwAVG=2.64
sdW=26.3
fwW=2.67
sdS=86.3
fwS=2.56
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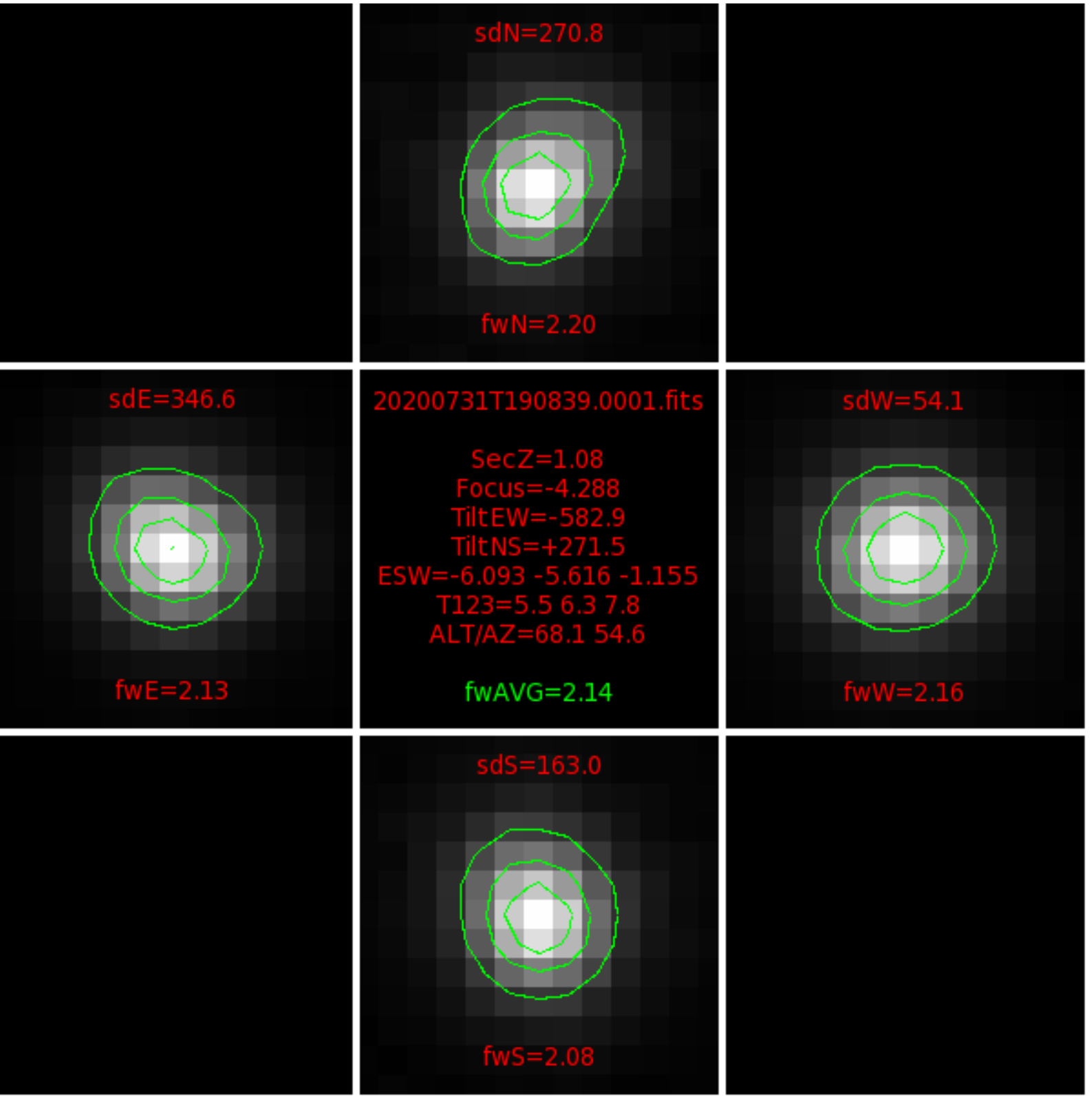
sdN=270.8
fwN=2.20
sdE=346.6
fwE=2.13
20200731T190839.0001.fits
SecZ=1.08
Focus=-4.288
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.093 -5.616 -1.155
T123=5.5 6.3 7.8
ALT/AZ=68.1 54.6
fwAVG=2.14
sdW=54.1
fwW=2.16
sdS=163.0
fwS=2.08
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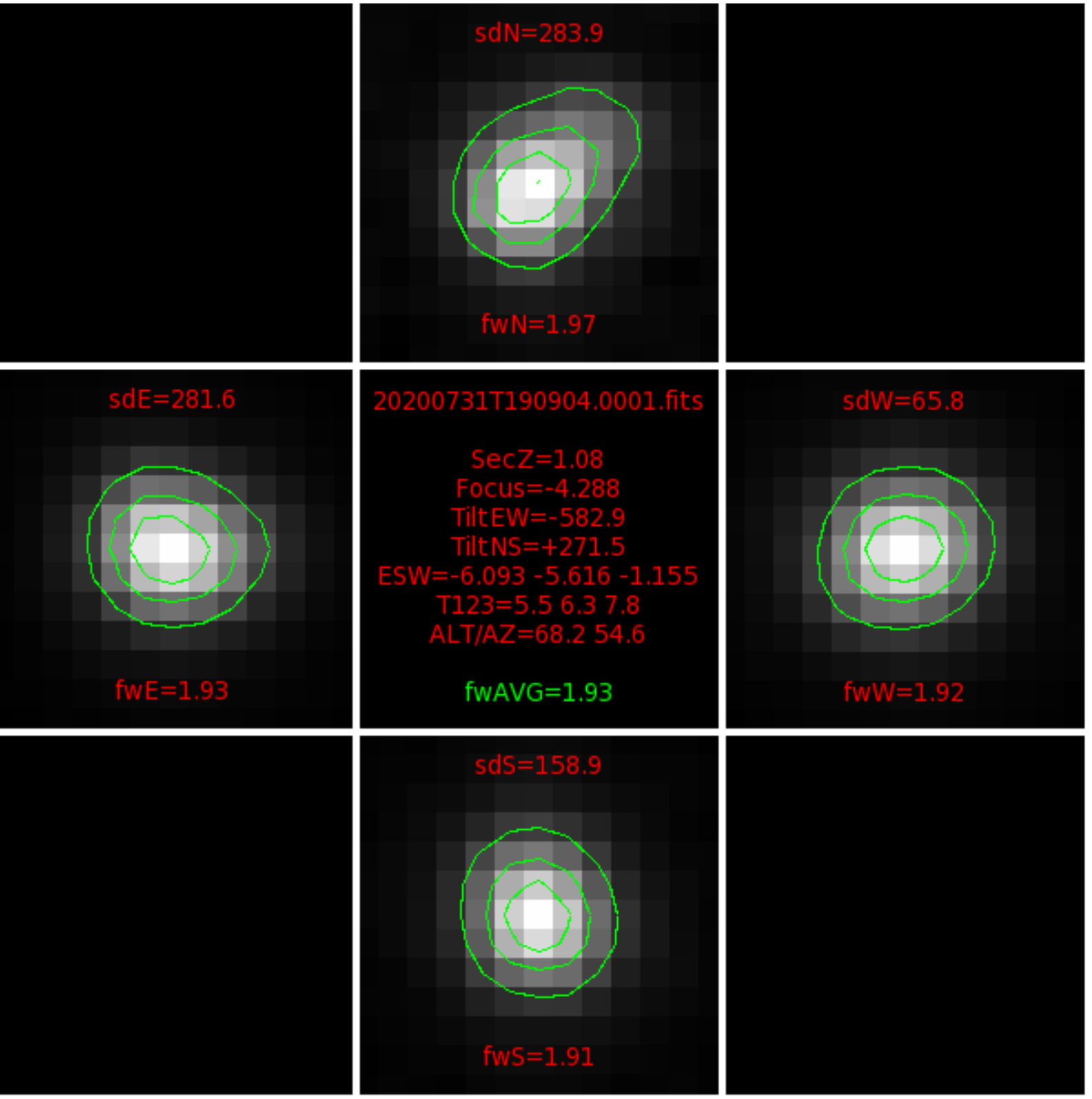
sdN=283.9
fwN=1.97
sdE=281.6
fwE=1.93
20200731T190904.0001.fits
SecZ=1.08
Focus=-4.288
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.093 -5.616 -1.155
T123=5.5 6.3 7.8
ALT/AZ=68.2 54.6
fwAVG=1.93
sdW=65.8
fwW=1.92
sdS=158.9
fwS=1.91
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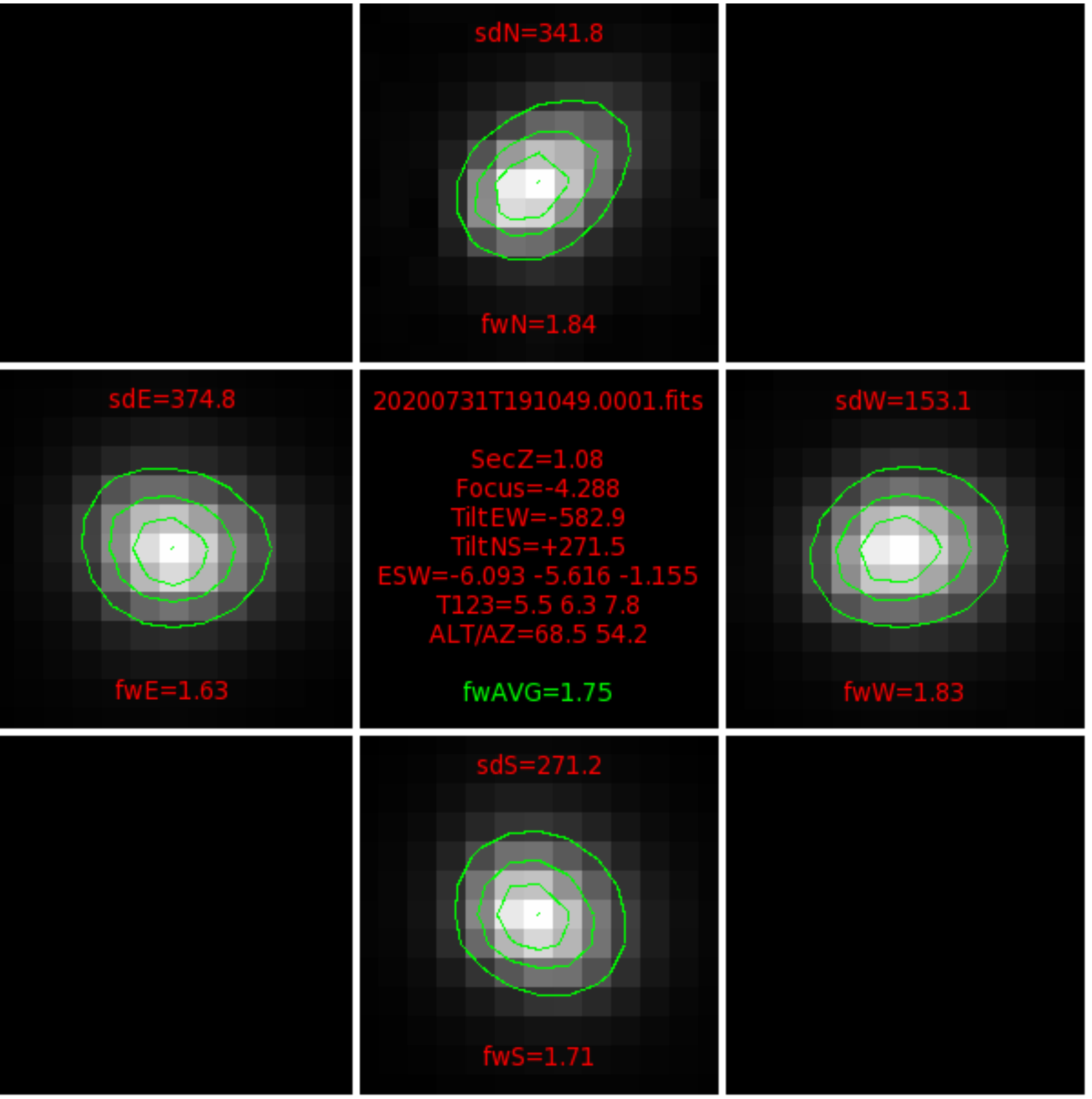
sdN=341.8
fwN=1.84
sdE=374.8
fwE=1.63
20200731T191049.0001.fits
SecZ=1.08
Focus=-4.288
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.093 -5.616 -1.155
T123=5.5 6.3 7.8
ALT/AZ=68.5 54.2
fwAVG=1.75
sdW=153.1
fwW=1.83
sdS=271.2
fwS=1.71
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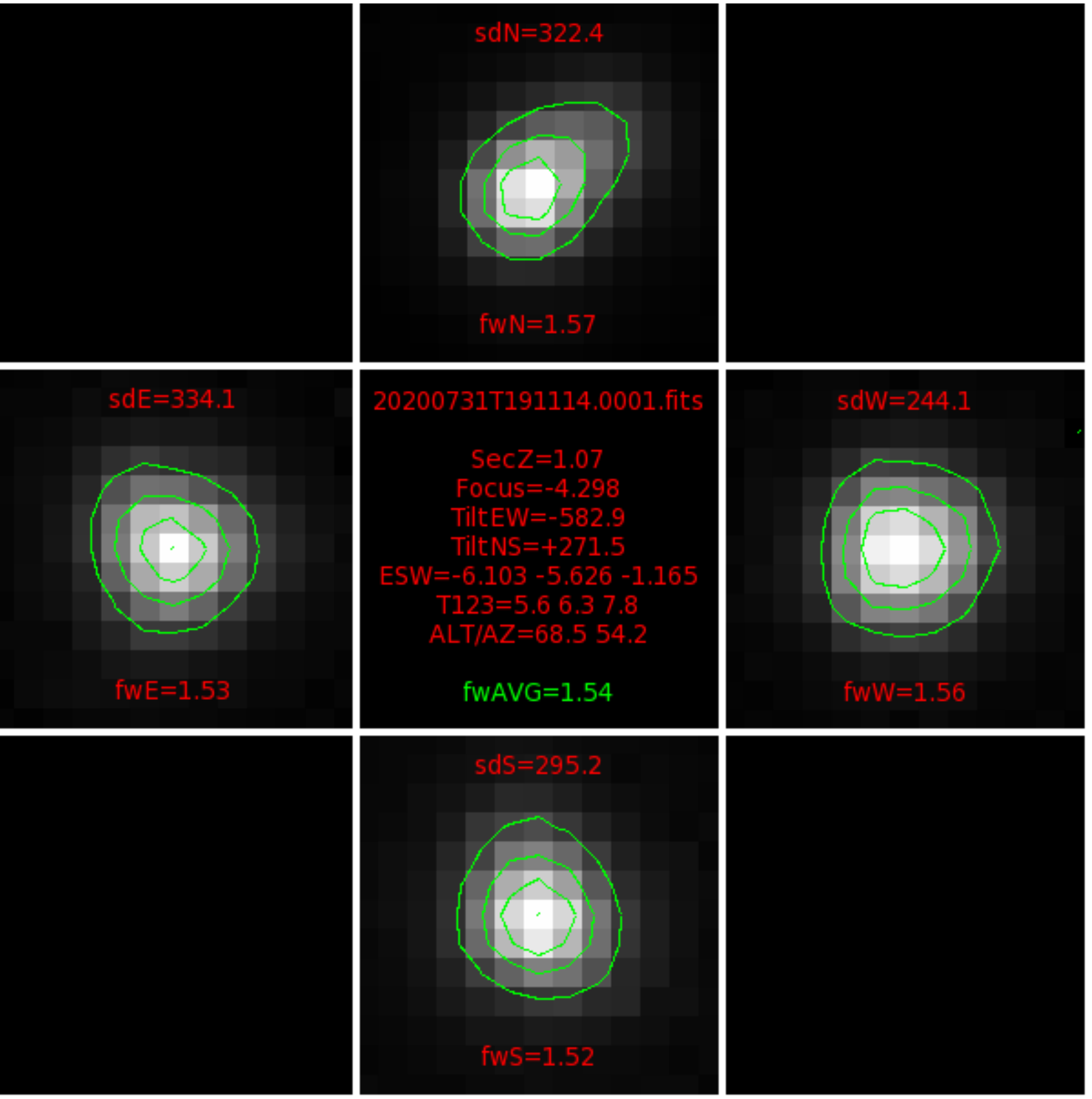
sdN=322.4
fwN=1.57
sdE=334.1
fwE=1.53
20200731T191114.0001.fits
SecZ=1.07
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.6 6.3 7.8
ALT/AZ=68.5 54.2
fwAVG=1.54
sdW=244.1
fwW=1.56
sdS=295.2
fwS=1.52
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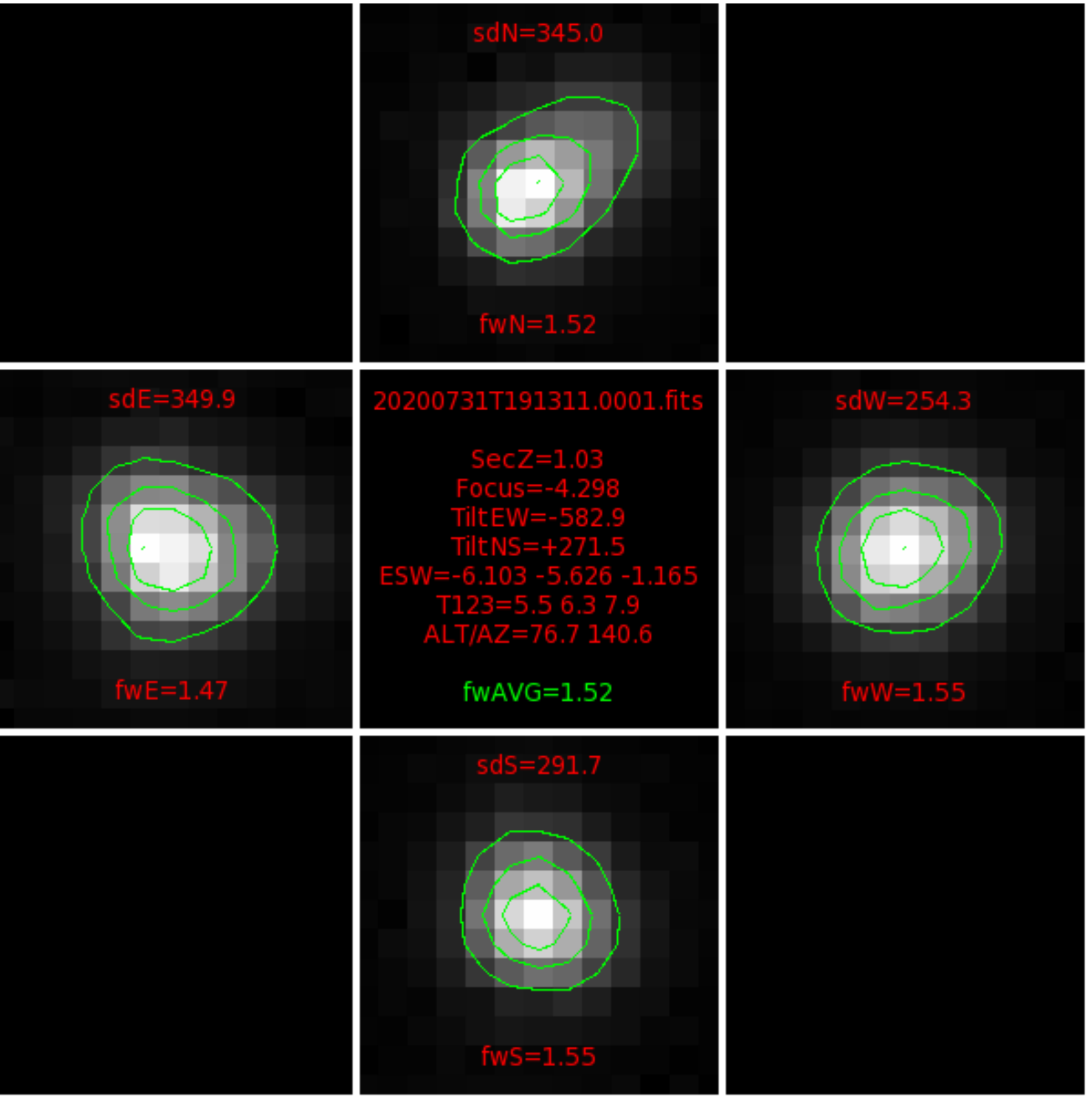
sdN=345.0
fwN=1.52
sdE=349.9
fwE=1.47
20200731T191311.0001.fits
SecZ=1.03
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.5 6.3 7.9
ALT/AZ=76.7 140.6
fwAVG=1.52
sdW=254.3
fwW=1.55
sdS=291.7
fwS=1.55
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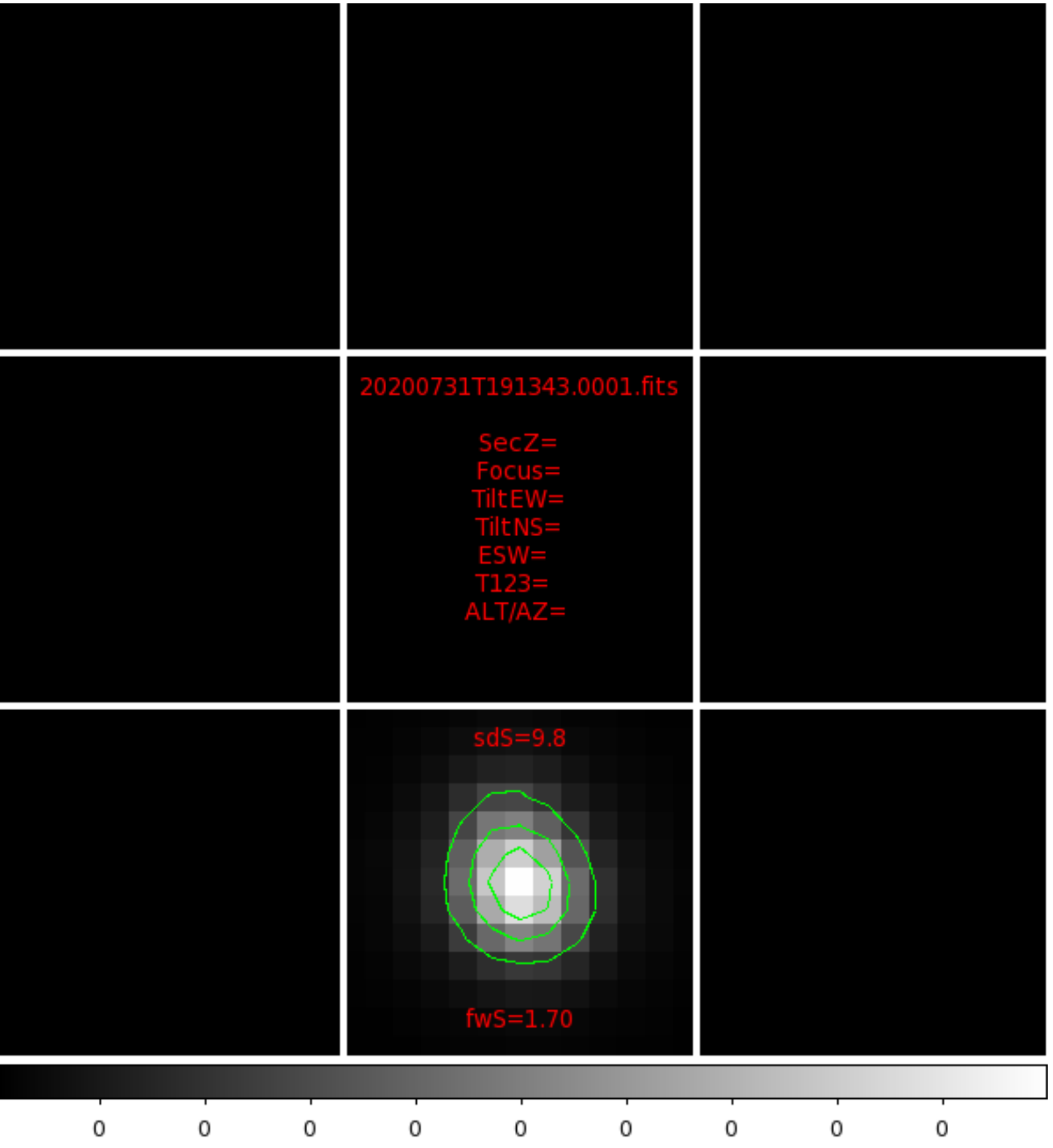
20200731T191343.0001.fits
SecZ=
Focus=
TiltEW=
TiltNS=
ESW=
T123=
ALT/AZ=
sdS=9.8
fwS=1.70
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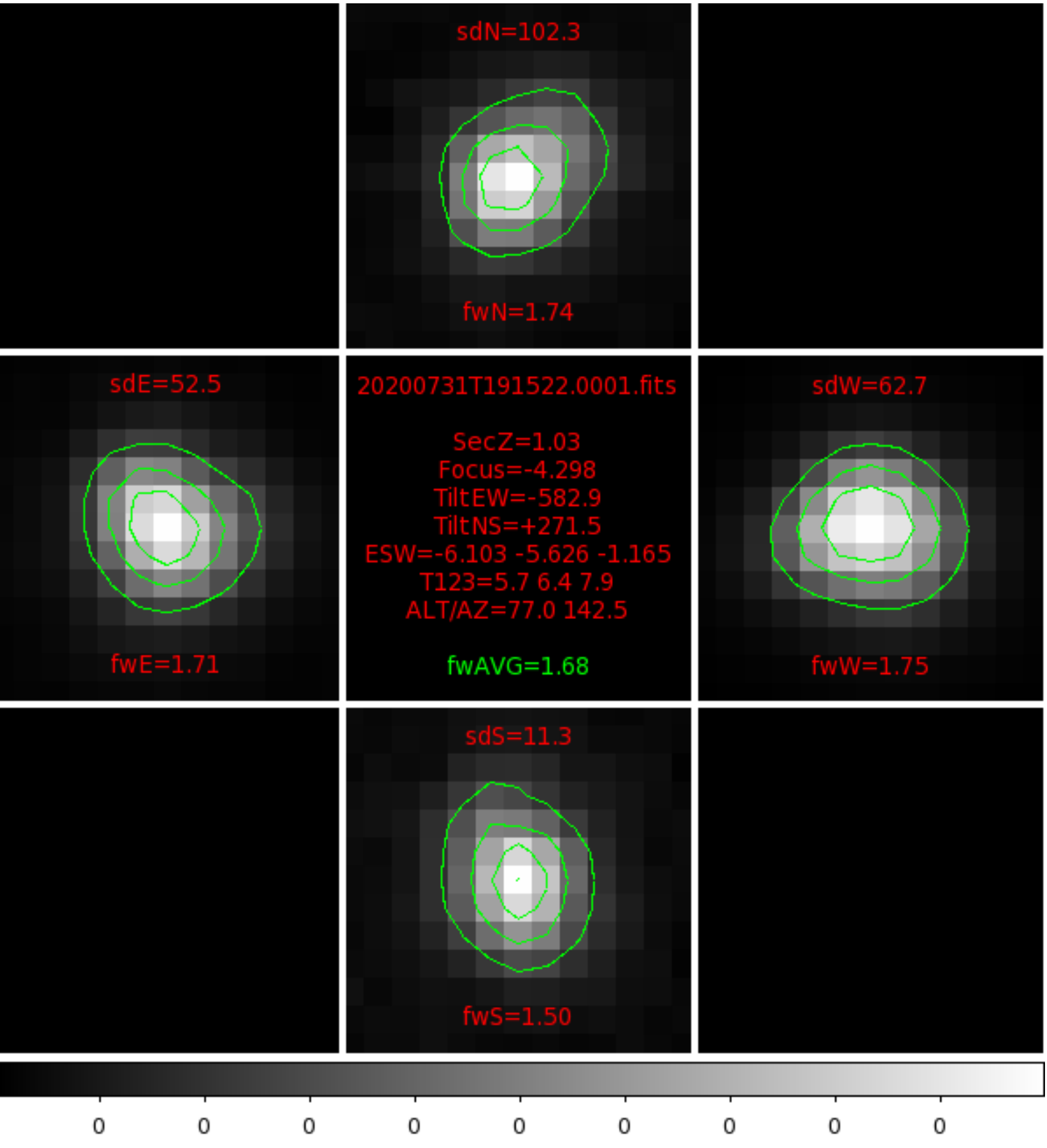
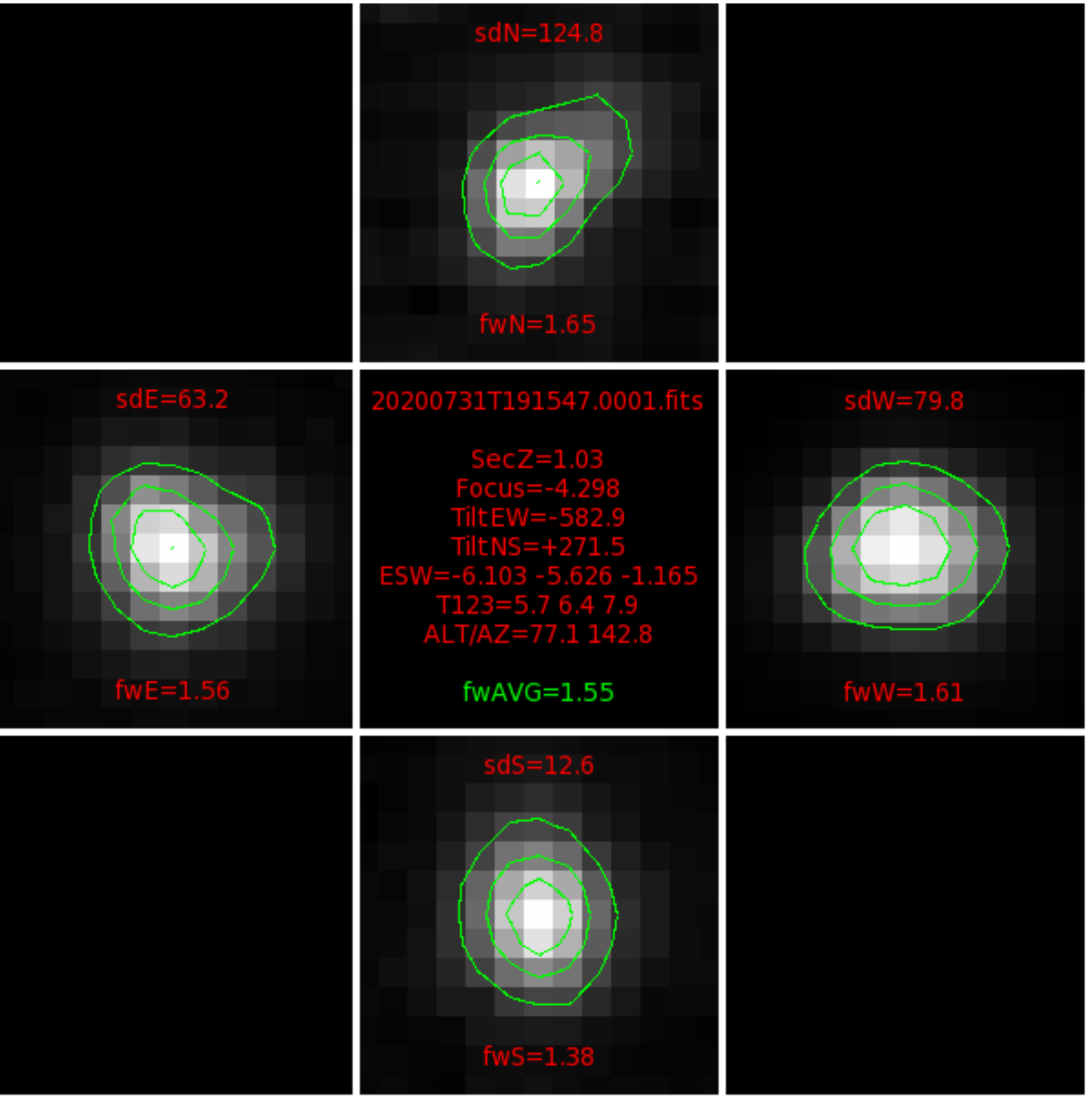
0
0
0
0
0
0
0


sdN=102.3
fwN=1.74
sdE=52.5
fwE=1.71
20200731T191522.0001.fits
SecZ=1.03
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.7 6.4 7.9
ALT/AZ=77.0 142.5
fwAVG=1.68
sdW=62.7
fwW=1.75
sdS=11.3
fwS=1.50
0 0 0 0 0 0 0 0 0


sdN=124.8
fwN=1.65
sdE=63.2
fwE=1.56
20200731T191547.0001.fits
SecZ=1.03
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.7 6.4 7.9
ALT/AZ=77.1 142.8
fwAVG=1.55
sdW=79.8
fwW=1.61
sdS=12.6
fwS=1.38
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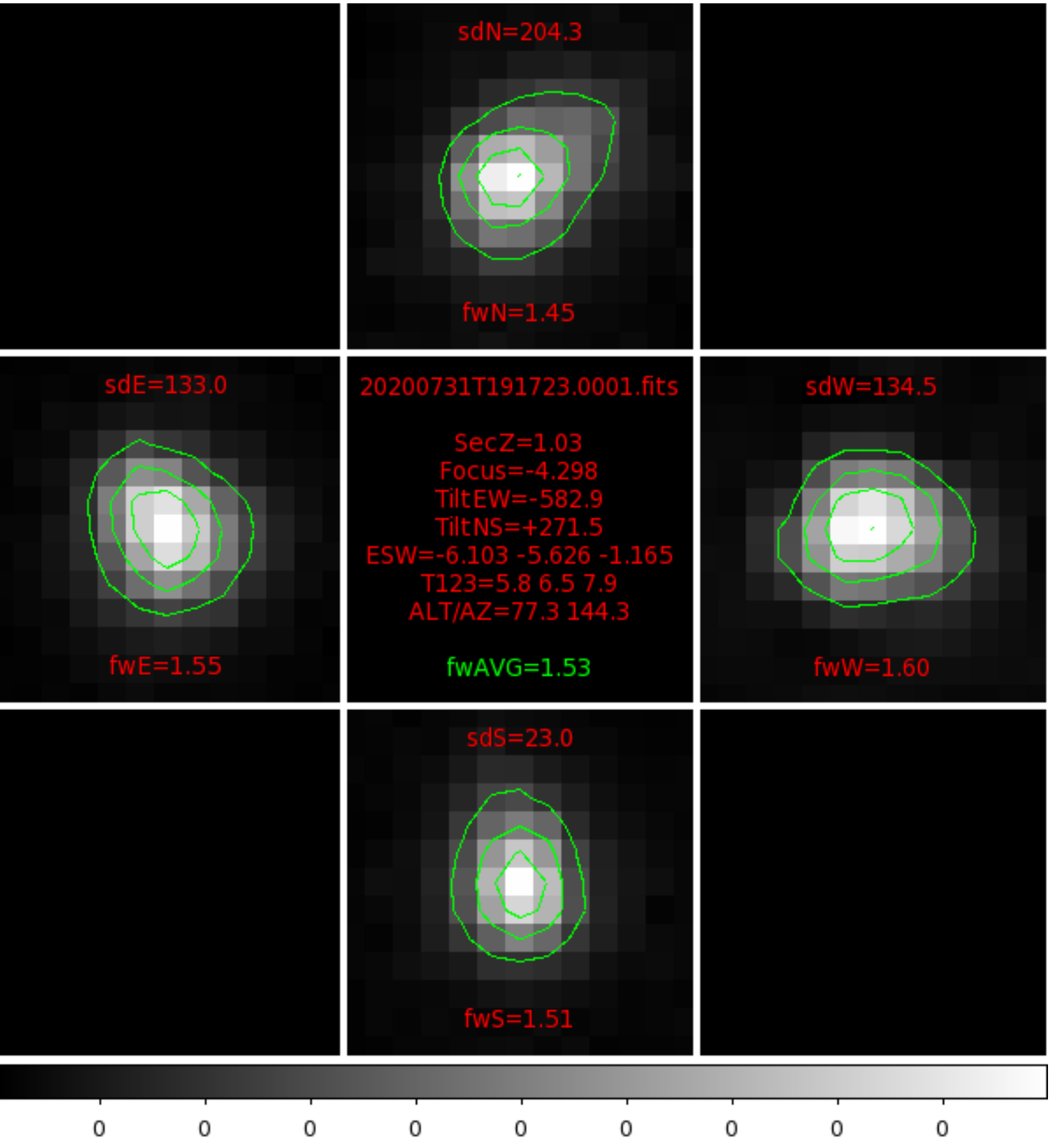
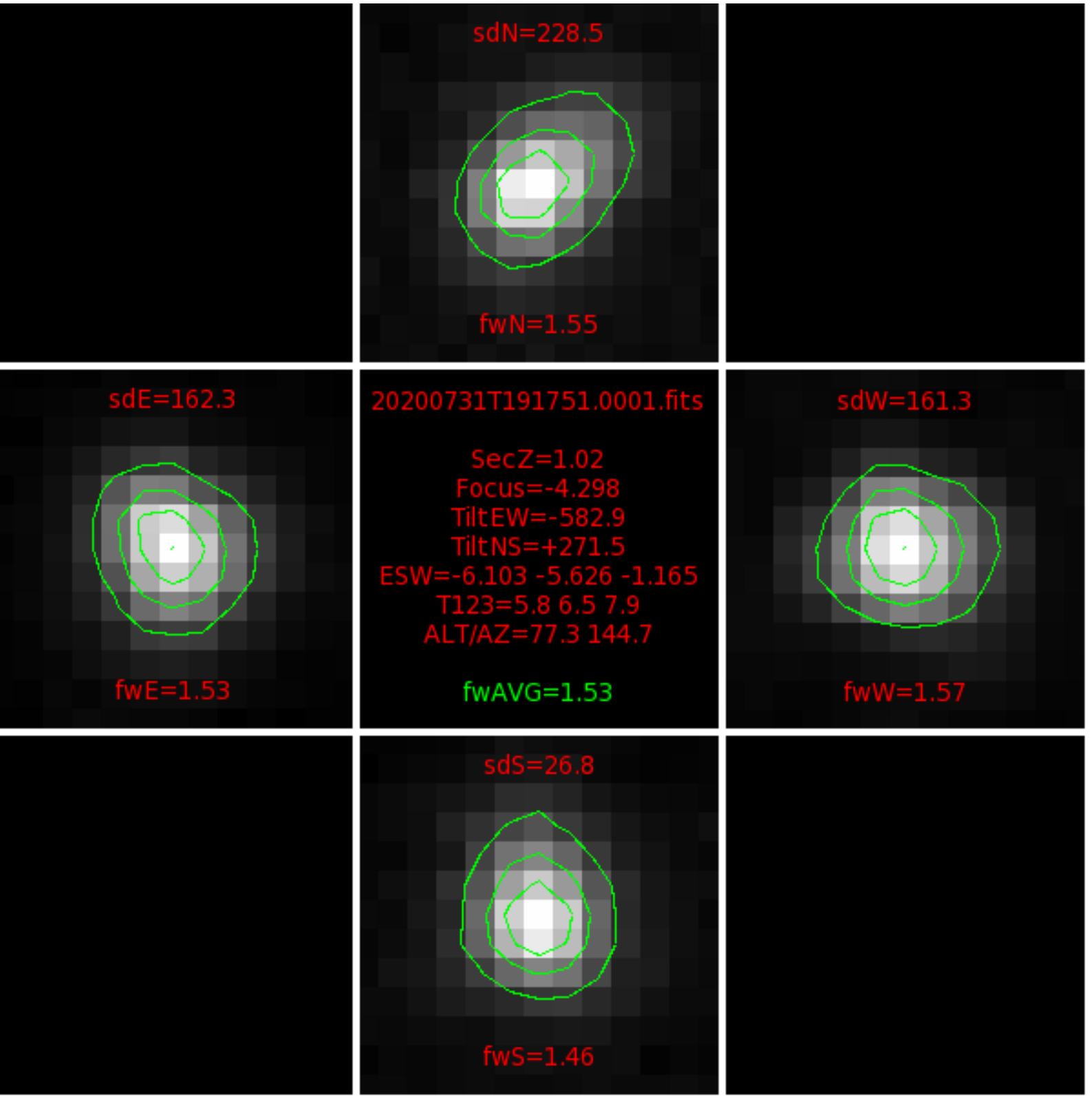

sdN=204.3
fwN=1.45
sdE=133.0
fwE=1.55
20200731T191723.0001.fits
SecZ=1.03
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.8 6.5 7.9
ALT/AZ=77.3 144.3
fwAVG=1.53
sdW=134.5
fwW=1.60
sdS=23.0
fwS=1.51
0 0 0 0 0 0 0 0 0


sdN=228.5
fwN=1.55
sdE=162.3
fwE=1.53
20200731T191751.0001.fits
SecZ=1.02
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.8 6.5 7.9
ALT/AZ=77.3 144.7
fwAVG=1.53
sdW=161.3
fwW=1.57
sdS=26.8
fwS=1.46
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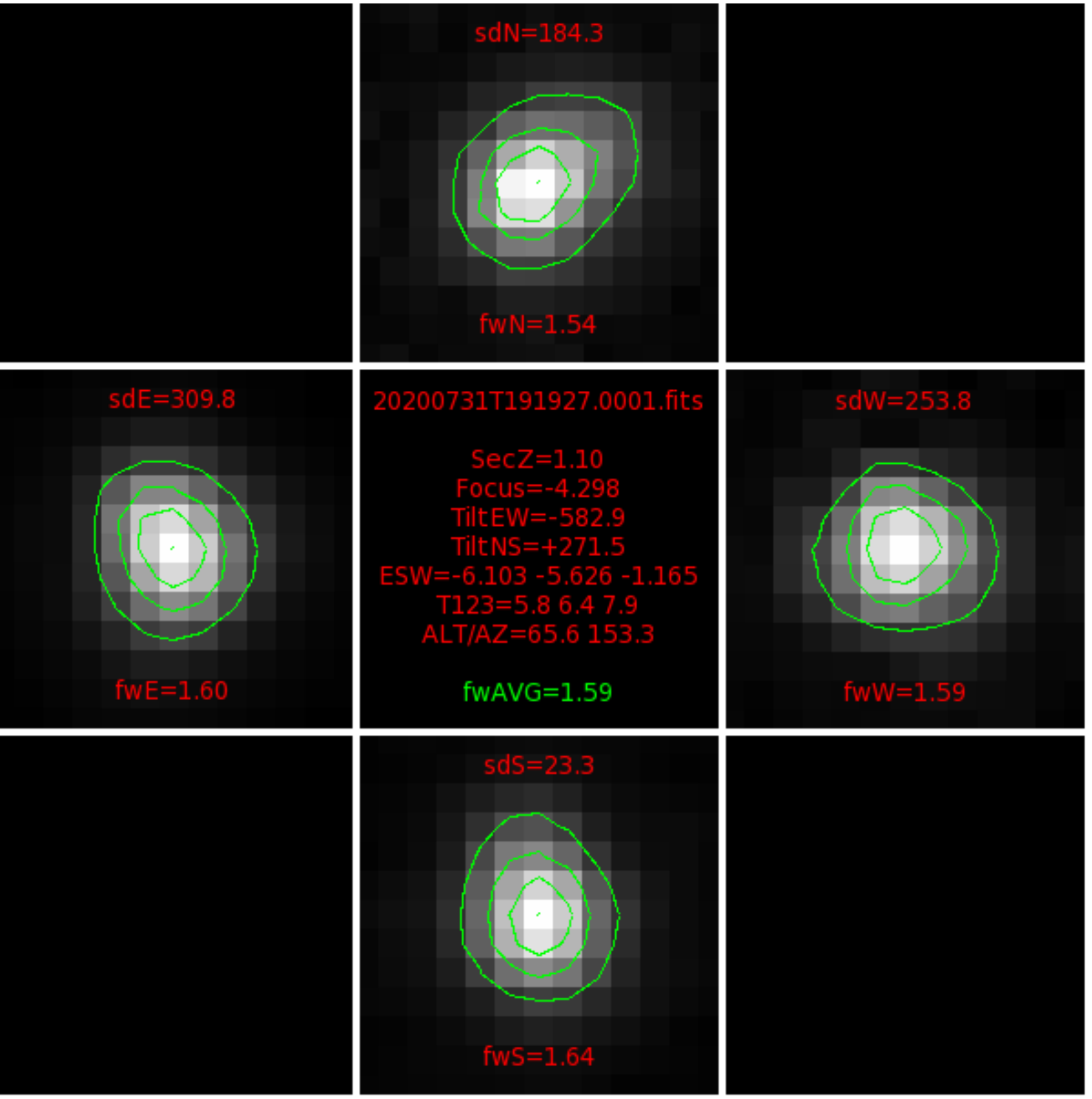
sdN=184.3
fwN=1.54
sdE=309.8
fwE=1.60
20200731T191927.0001.fits
SecZ=1.10
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.8 6.4 7.9
ALT/AZ=65.6 153.3
fwAVG=1.59
sdW=253.8
fwW=1.59
sdS=23.3
fwS=1.64
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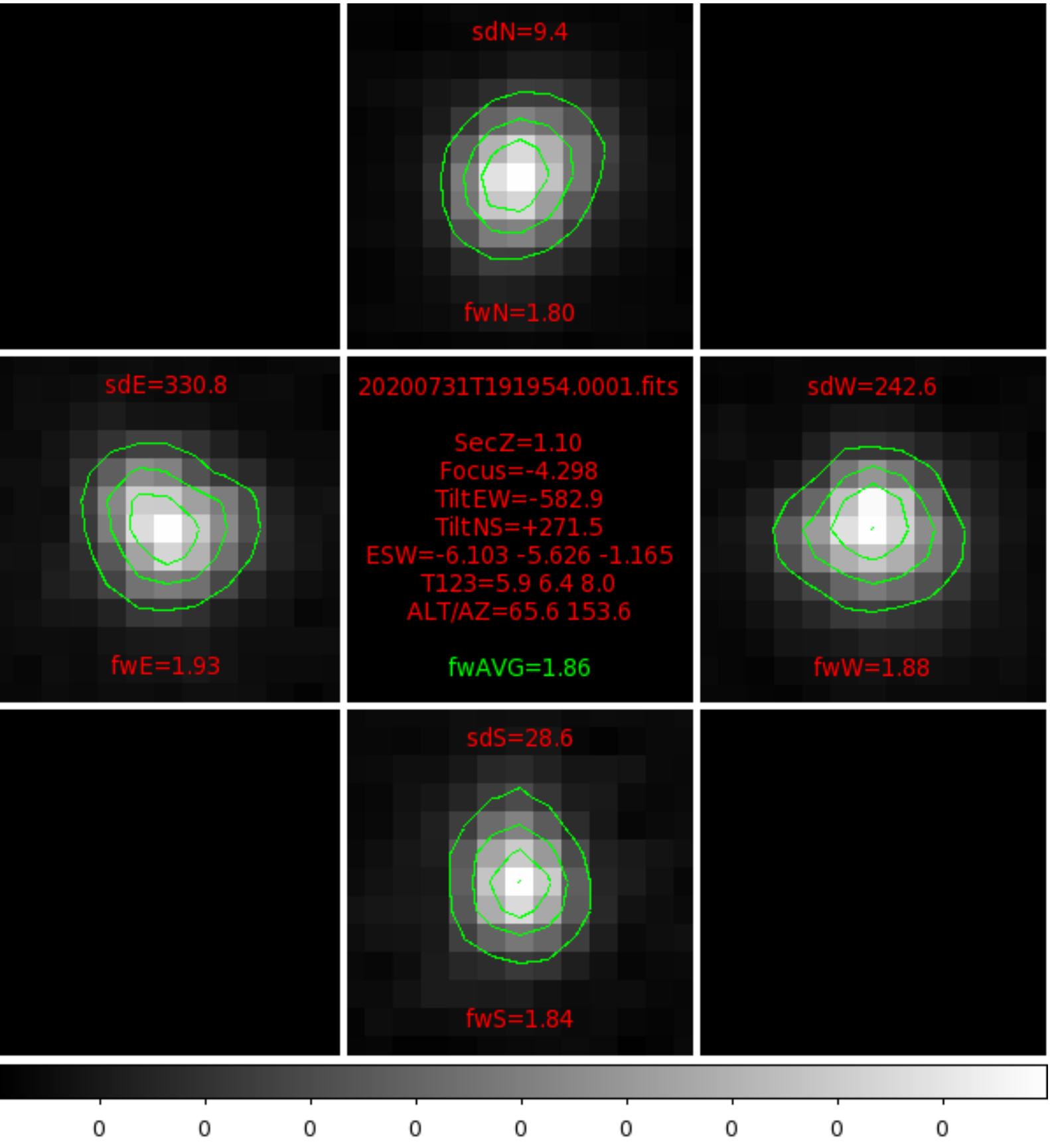
sdN=9.4
fwN=1.80
sdE=330.8
20200731T191954.0001.fits
SecZ=1.10
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.9 6.4 8.0
ALT/AZ=65.6 153.6
fwAVG=1.86
sdW=242.6
fwE=1.93
fwW=1.88
sdS=28.6
fwS=1.84
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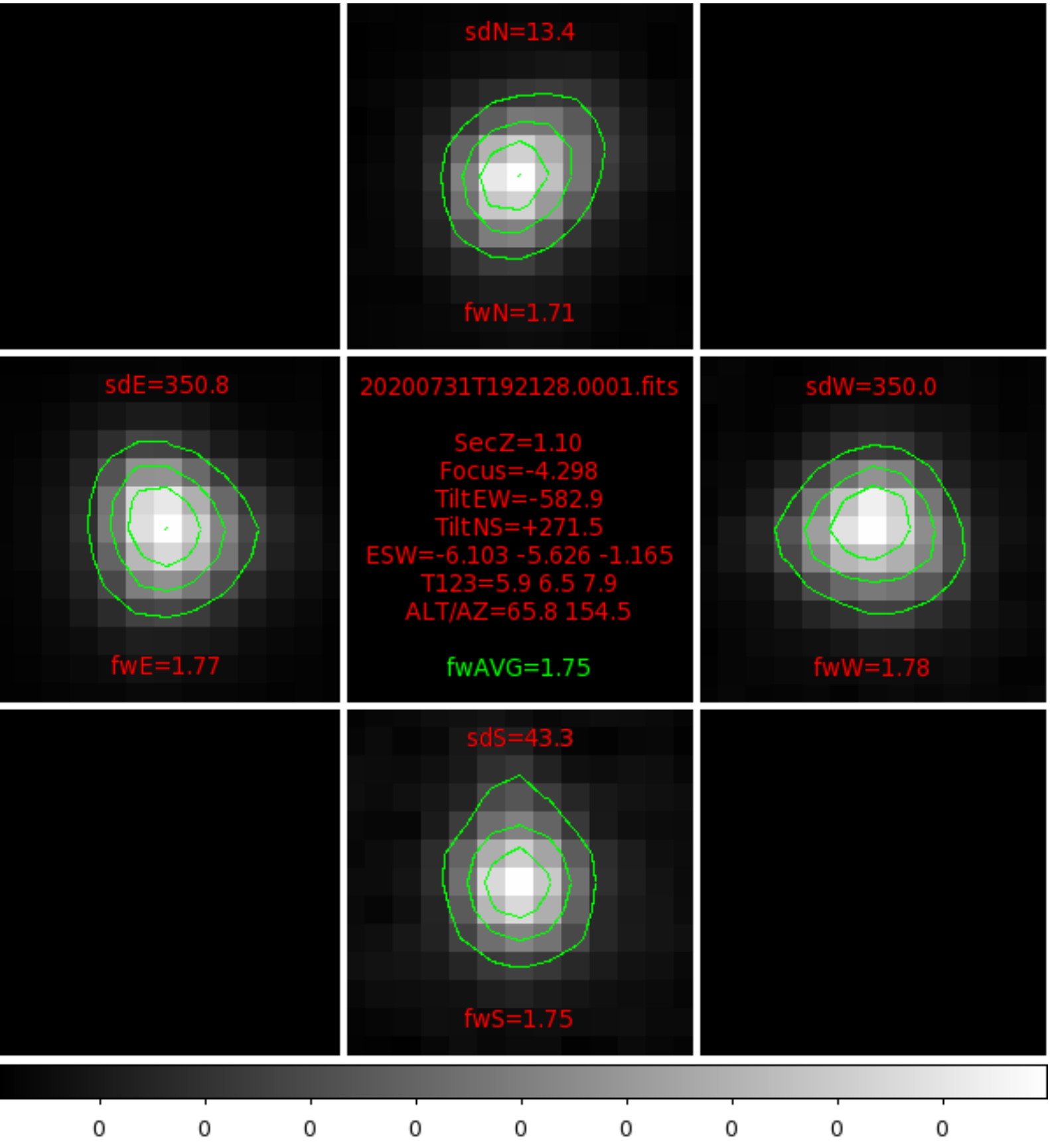
sdN=13.4
fwN=1.71
sdE=350.8
fwE=1.77
20200731T192128.0001.fits
SecZ=1.10
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.9 6.5 7.9
ALT/AZ=65.8 154.5
fwAVG=1.75
sdW=350.0
fwW=1.78
sdS=43.3
fwS=1.75
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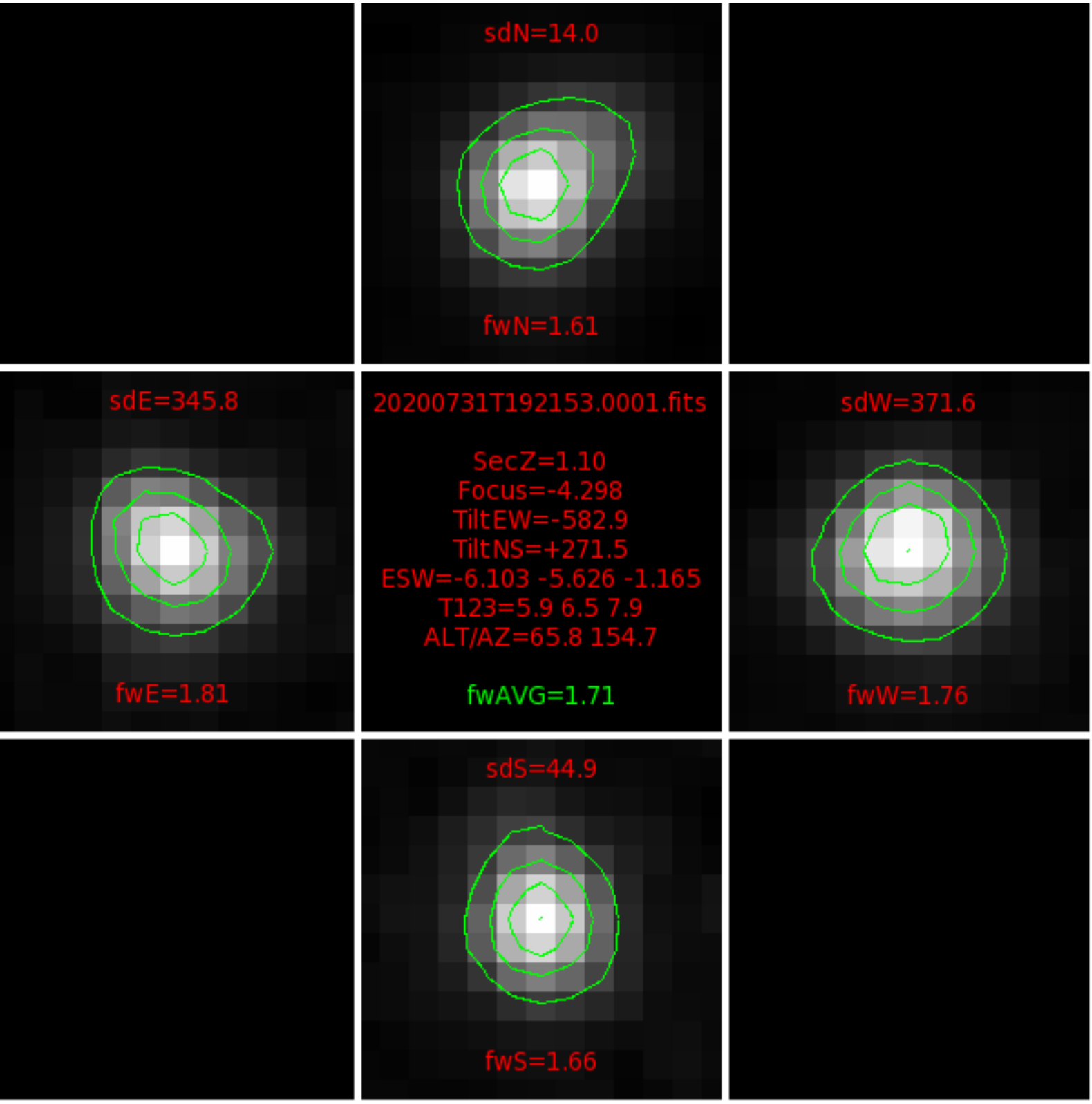
sdN=14.0
fwN=1.61
sdE=345.8
fwE=1.81
20200731T192153.0001.fits
SecZ=1.10
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.9 6.5 7.9
ALT/AZ=65.8 154.7
fwAVG=1.71
sdW=371.6
fwW=1.76
sdS=44.9
fwS=1.66
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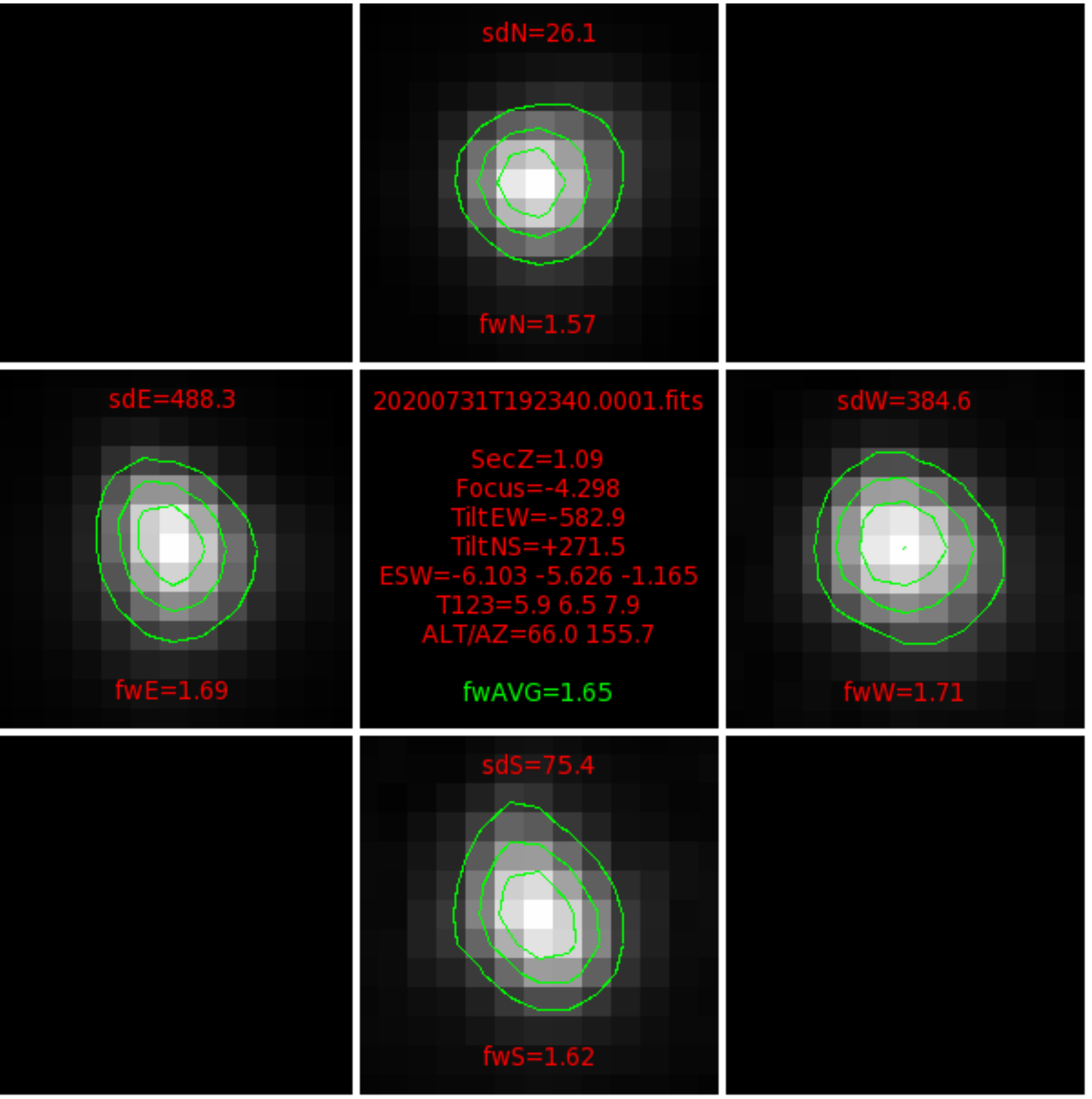
sdN=26.1
fwN=1.57
sdE=488.3
fwE=1.69
20200731T192340.0001.fits
SecZ=1.09
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.9 6.5 7.9
ALT/AZ=66.0 155.7
fwAVG=1.65
sdW=384.6
fwW=1.71
sdS=75.4
fwS=1.62
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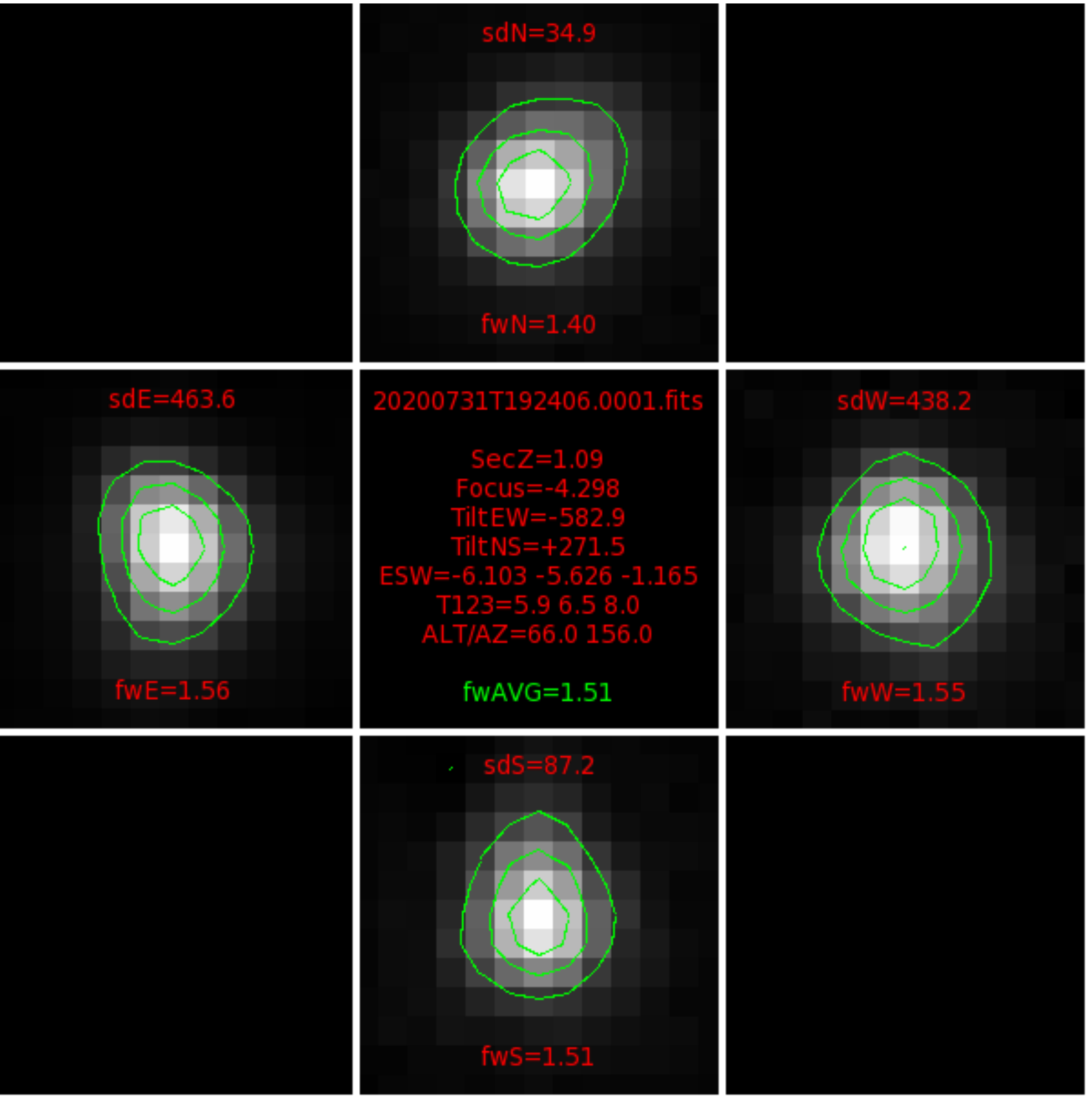
sdN=34.9
fwN=1.40
sdE=463.6
fwE=1.56
20200731T192406.0001.fits
SecZ=1.09
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=5.9 6.5 8.0
ALT/AZ=66.0 156.0
fwAVG=1.51
sdW=438.2
fwW=1.55
sdS=87.2
fwS=1.51
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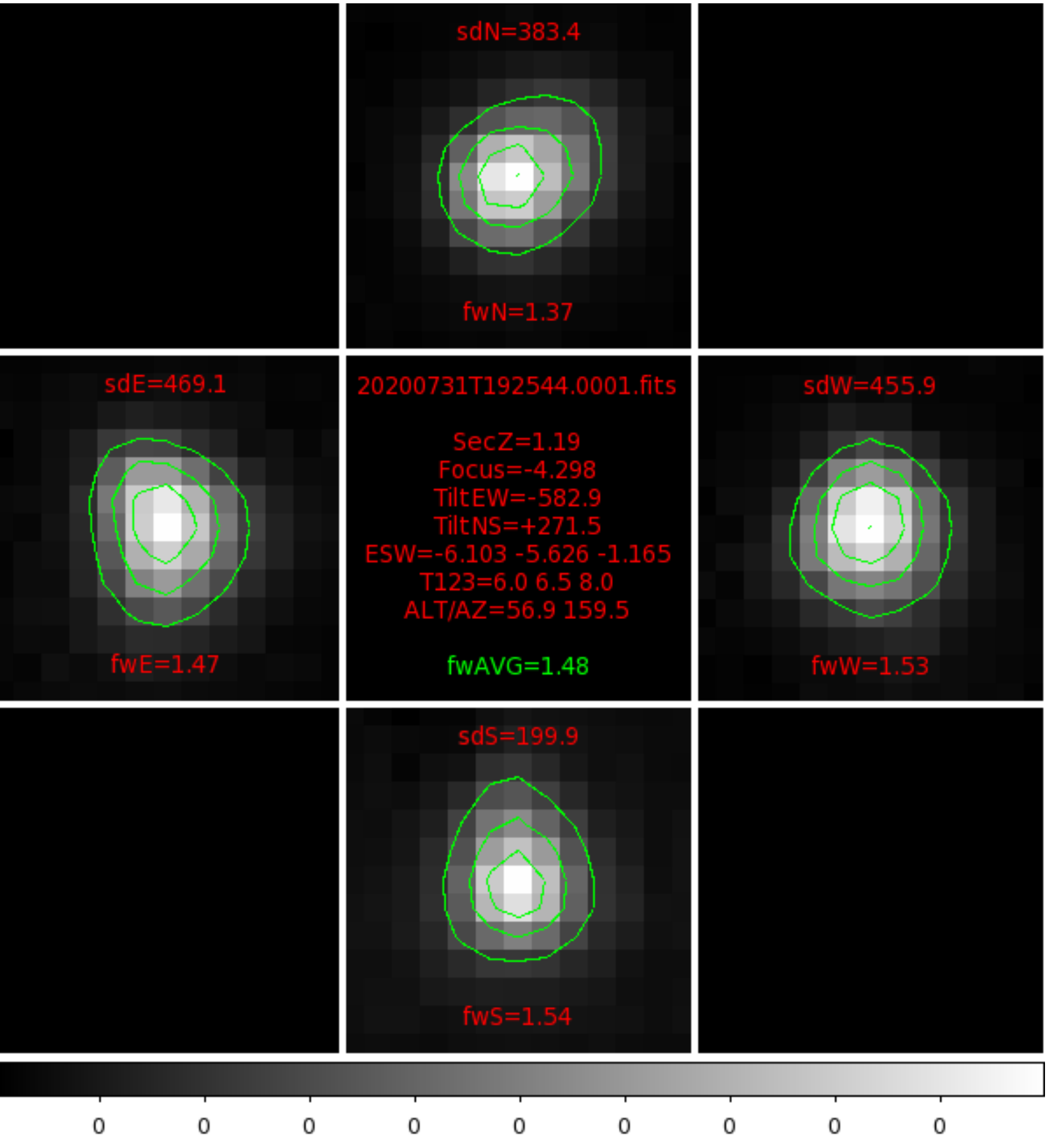
sdN=383.4
fwN=1.37
sdE=469.1
fwE=1.47
20200731T192544.0001.fits
SecZ=1.19
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=6.0 6.5 8.0
ALT/AZ=56.9 159.5
fwAVG=1.48
sdW=455.9
fwW=1.53
sdS=199.9
fwS=1.54
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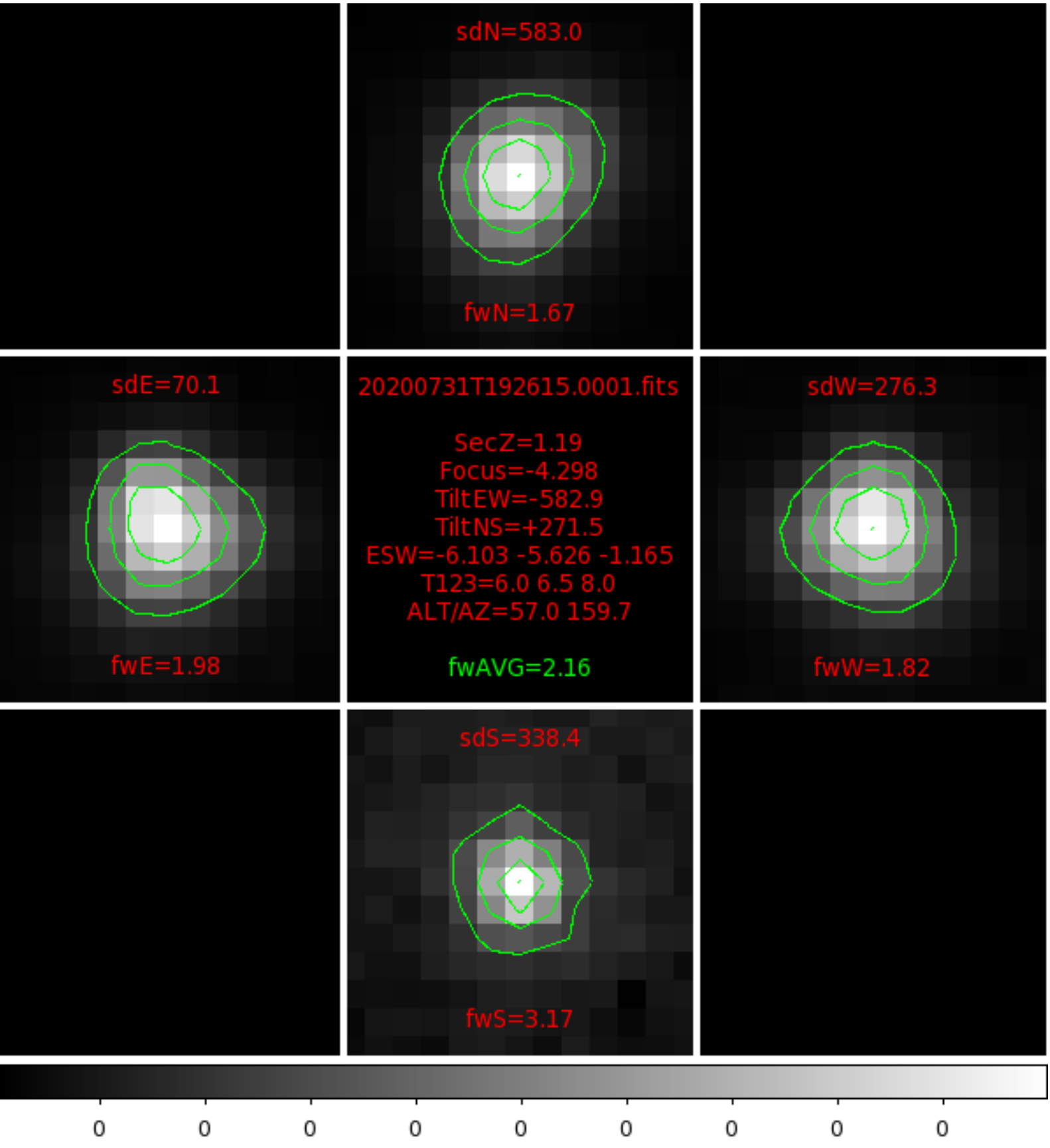
sdN=583.0
fwN=1.67
sdE=70.1
fwE=1.98
20200731T192615.0001.fits
SecZ=1.19
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=6.0 6.5 8.0
ALT/AZ=57.0 159.7
fwAVG=2.16
sdW=276.3
fwW=1.82
sdS=338.4
fwS=3.17
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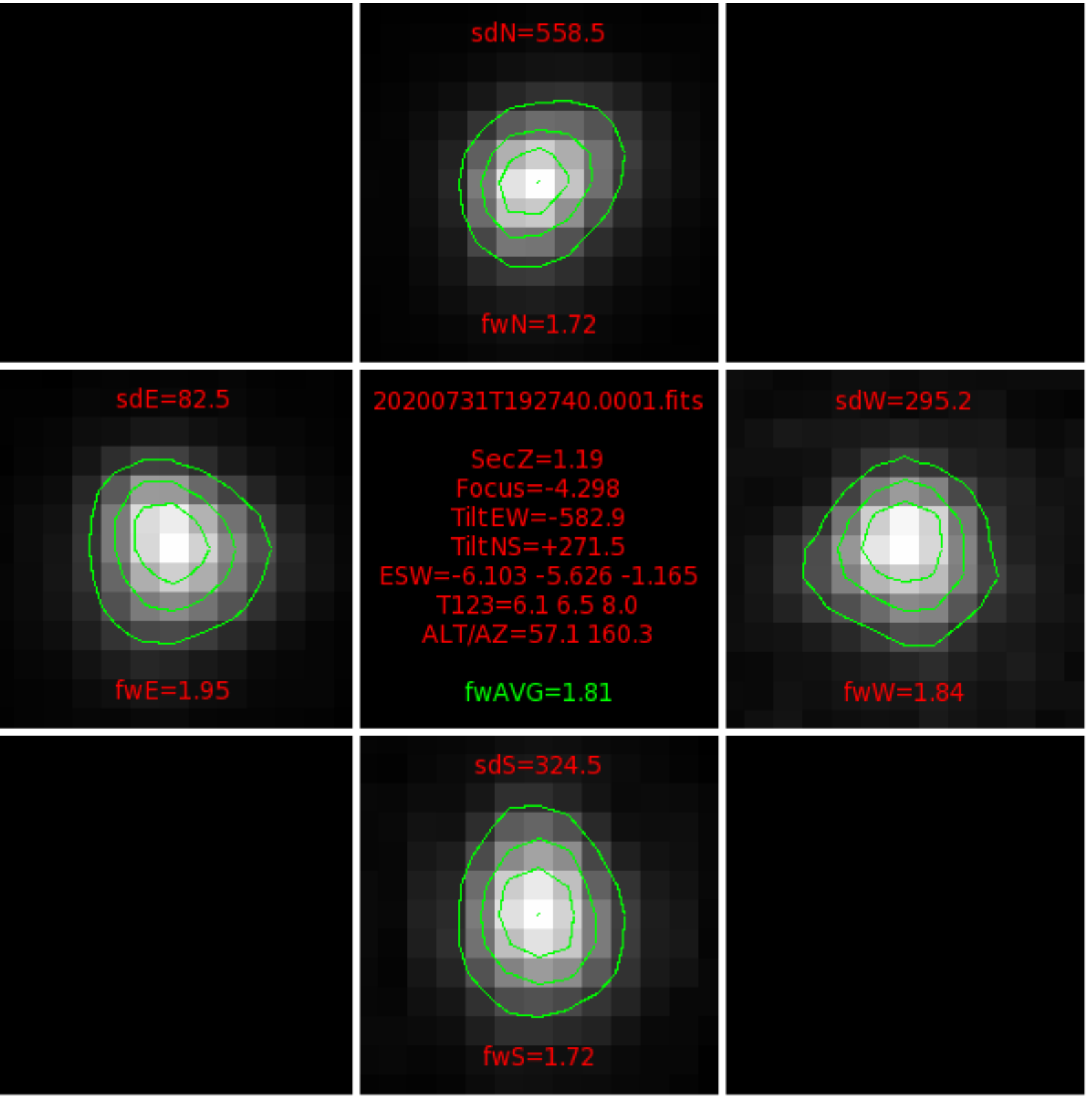
sdN=558.5
fwN=1.72
sdE=82.5
fwE=1.95
20200731T192740.0001.fits
SecZ=1.19
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=6.1 6.5 8.0
ALT/AZ=57.1 160.3
fwAVG=1.81
sdW=295.2
fwW=1.84
sdS=324.5
fwS=1.72
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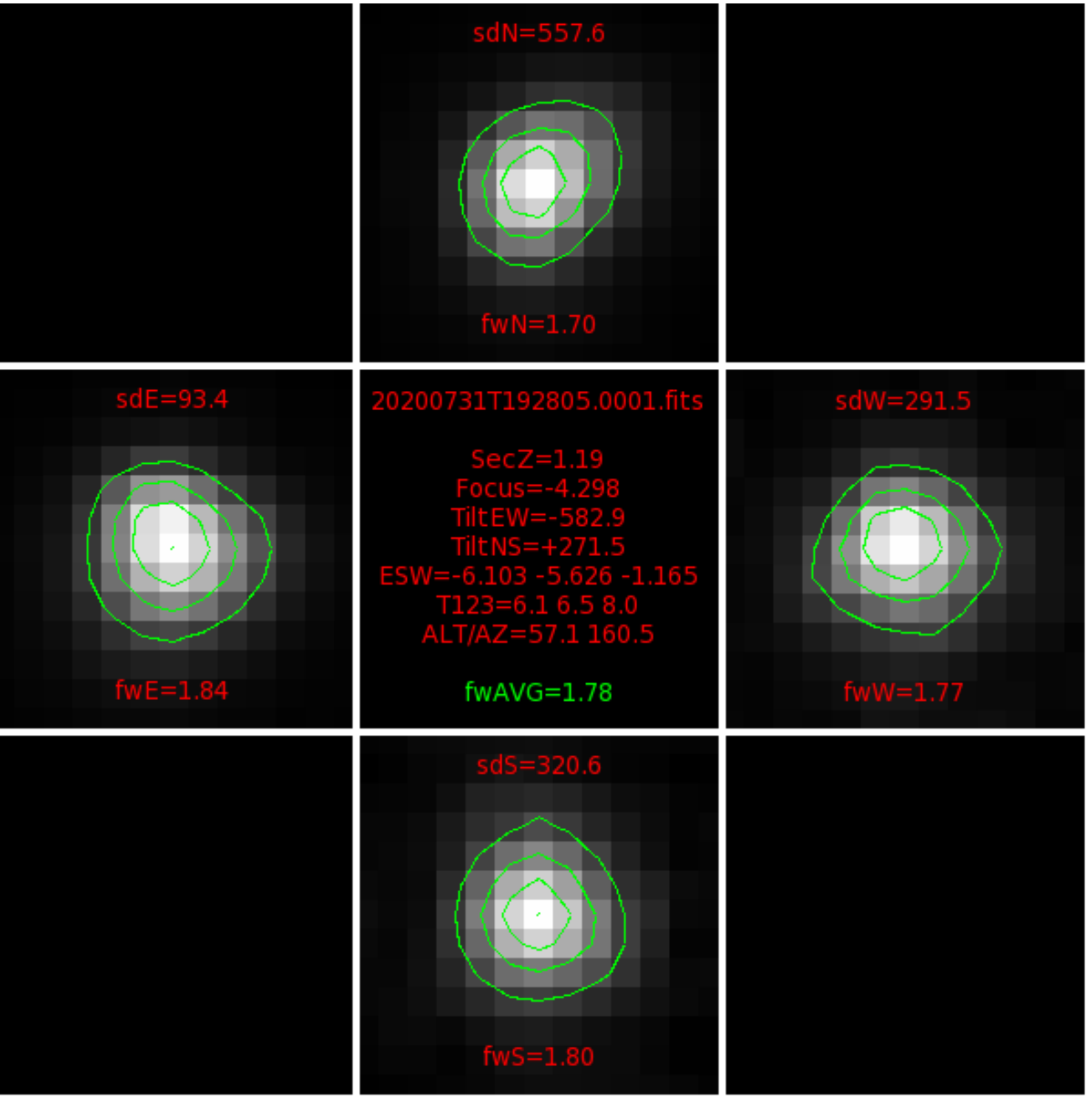
sdN=557.6
fwN=1.70
sdE=93.4
fwE=1.84
20200731T192805.0001.fits
SecZ=1.19
Focus=-4.298
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.103 -5.626 -1.165
T123=6.1 6.5 8.0
ALT/AZ=57.1 160.5
fwAVG=1.78
sdW=291.5
fwW=1.77
sdS=320.6
fwS=1.80
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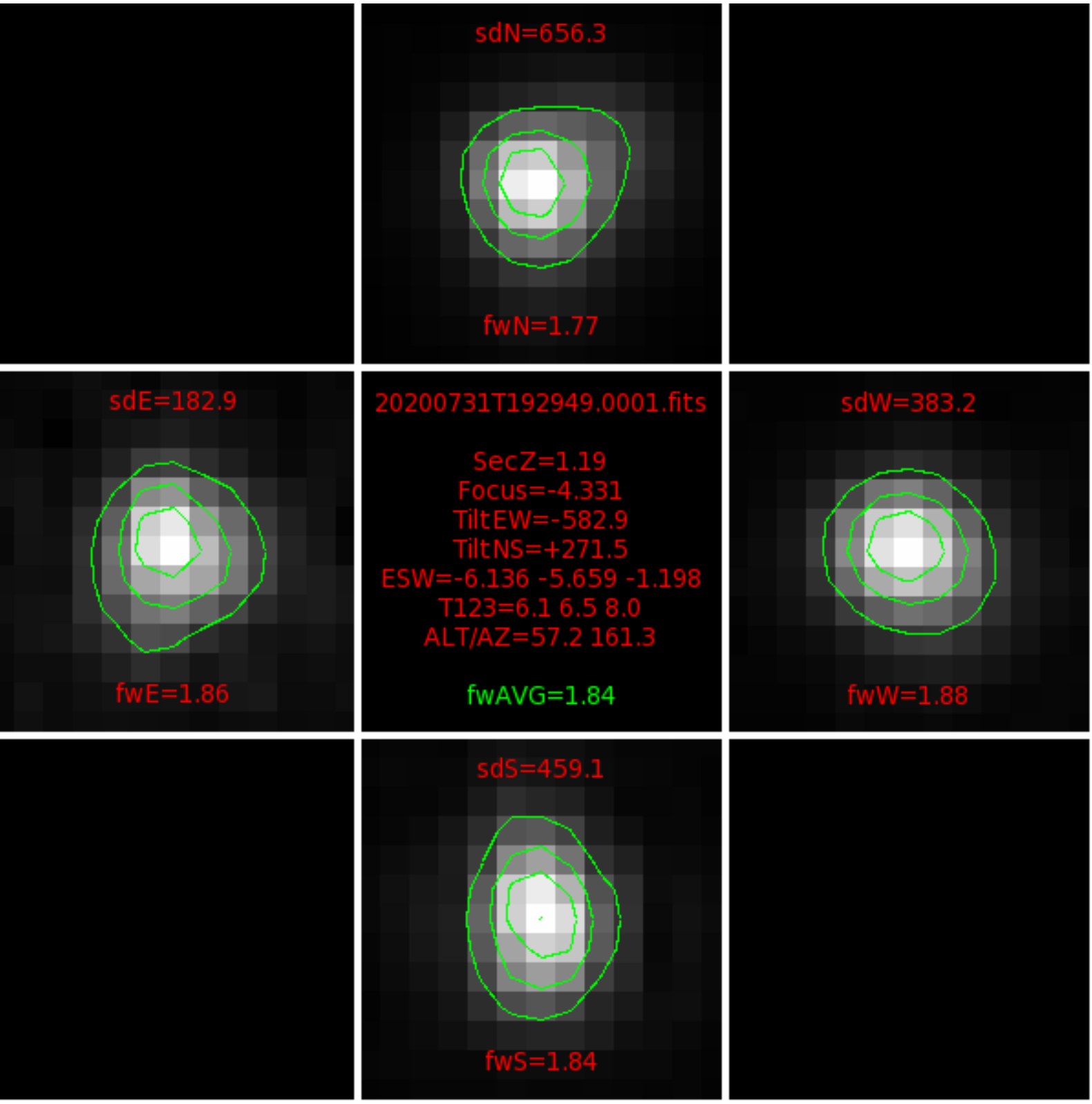
sdN=656.3
fwN=1.77
sdE=182.9
fwE=1.86
20200731T192949.0001.fits
SecZ=1.19
Focus=-4.331
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.136 -5.659 -1.198
T123=6.1 6.5 8.0
ALT/AZ=57.2 161.3
fwAVG=1.84
sdW=383.2
fwW=1.88
sdS=459.1
fwS=1.84
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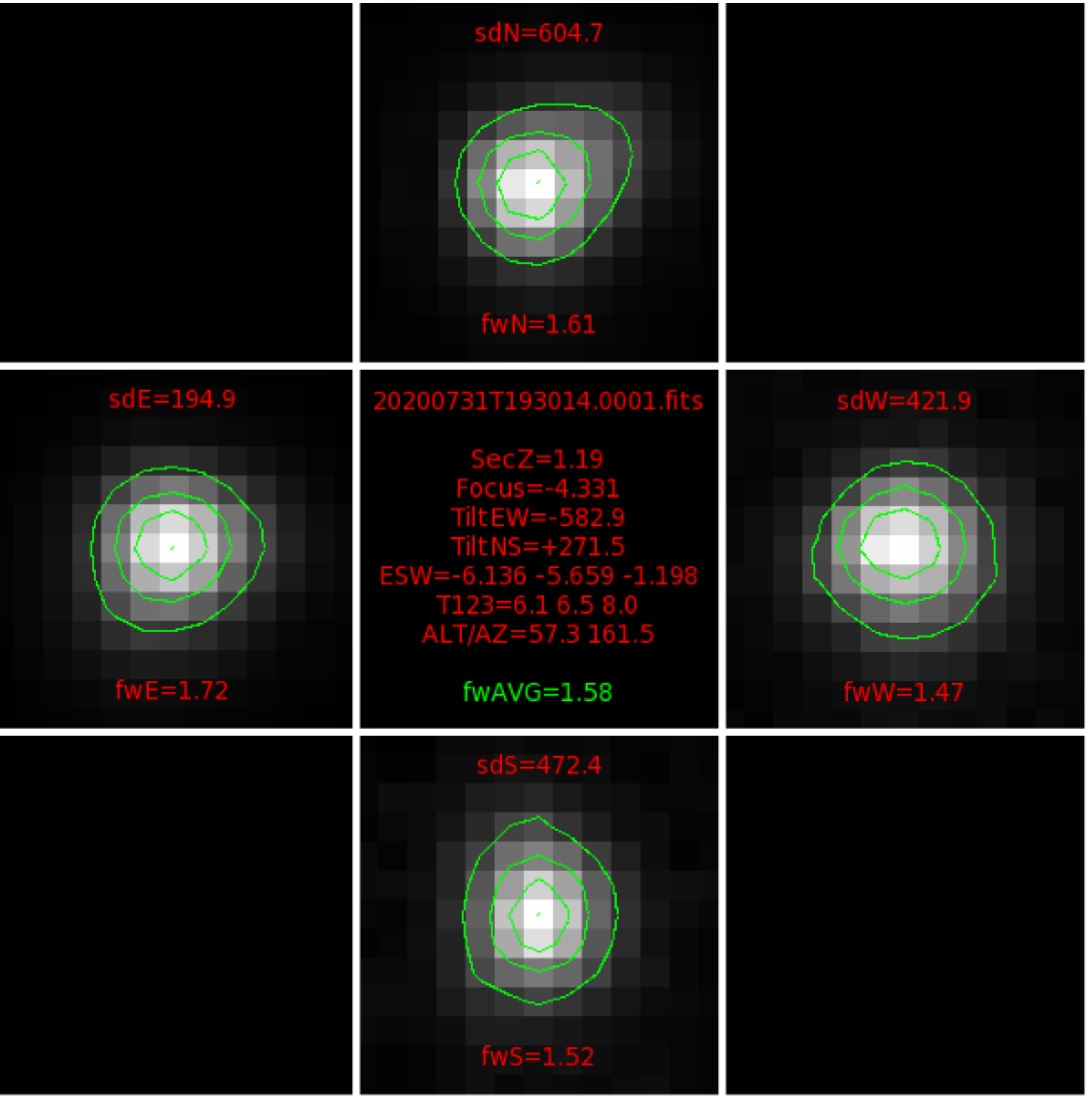
sdN=604.7
fwN=1.61
sdE=194.9
fwE=1.72
20200731T193014.0001.fits
SecZ=1.19
Focus=-4.331
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.136 -5.659 -1.198
T123=6.1 6.5 8.0
ALT/AZ=57.3 161.5
fwAVG=1.58
sdW=421.9
fwW=1.47
sdS=472.4
fwS=1.52
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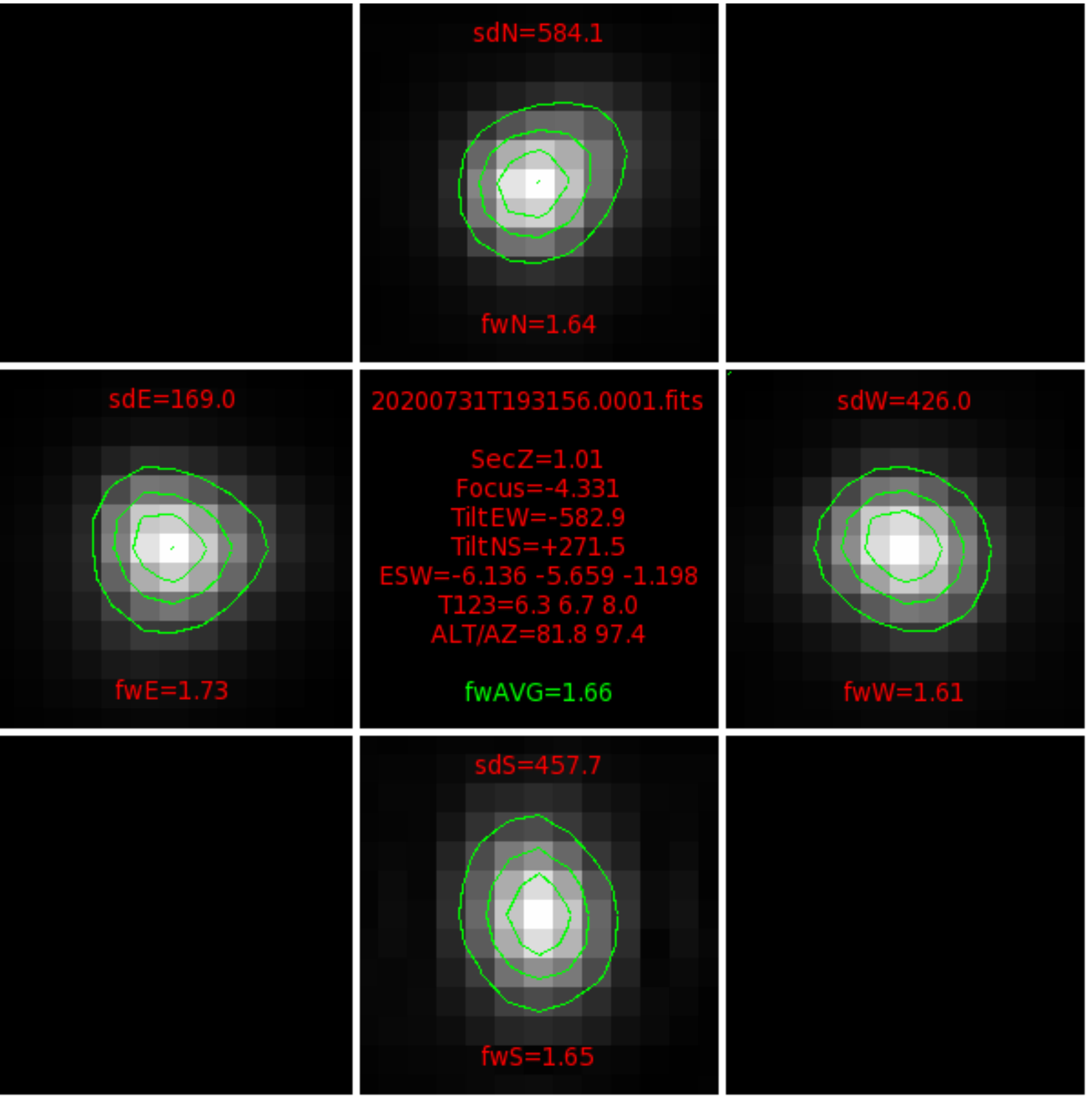
sdN=584.1
fwN=1.64
sdE=169.0
fwE=1.73
20200731T193156.0001.fits
SecZ=1.01
Focus=-4.331
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.136 -5.659 -1.198
T123=6.3 6.7 8.0
ALT/AZ=81.8 97.4
fwAVG=1.66
sdW=426.0
fwW=1.61
sdS=457.7
fwS=1.65
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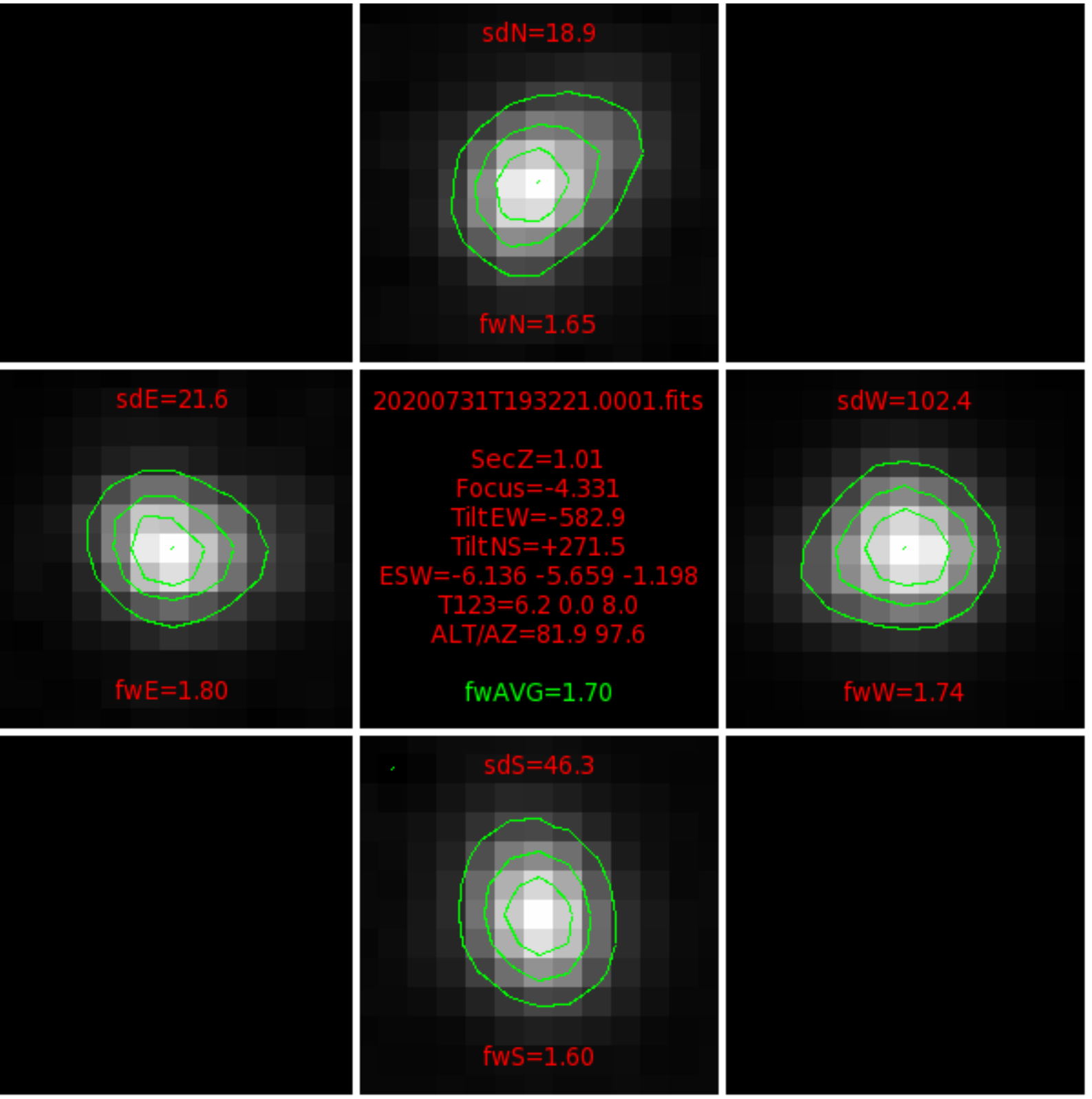
sdN=18.9
fwN=1.65
sdE=21.6
fwE=1.80
20200731T193221.0001.fits
SecZ=1.01
Focus=-4.331
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.136 -5.659 -1.198
T123=6.2 0.0 8.0
ALT/AZ=81.9 97.6
fwAVG=1.70
sdW=102.4
fwW=1.74
sdS=46.3
fwS=1.60
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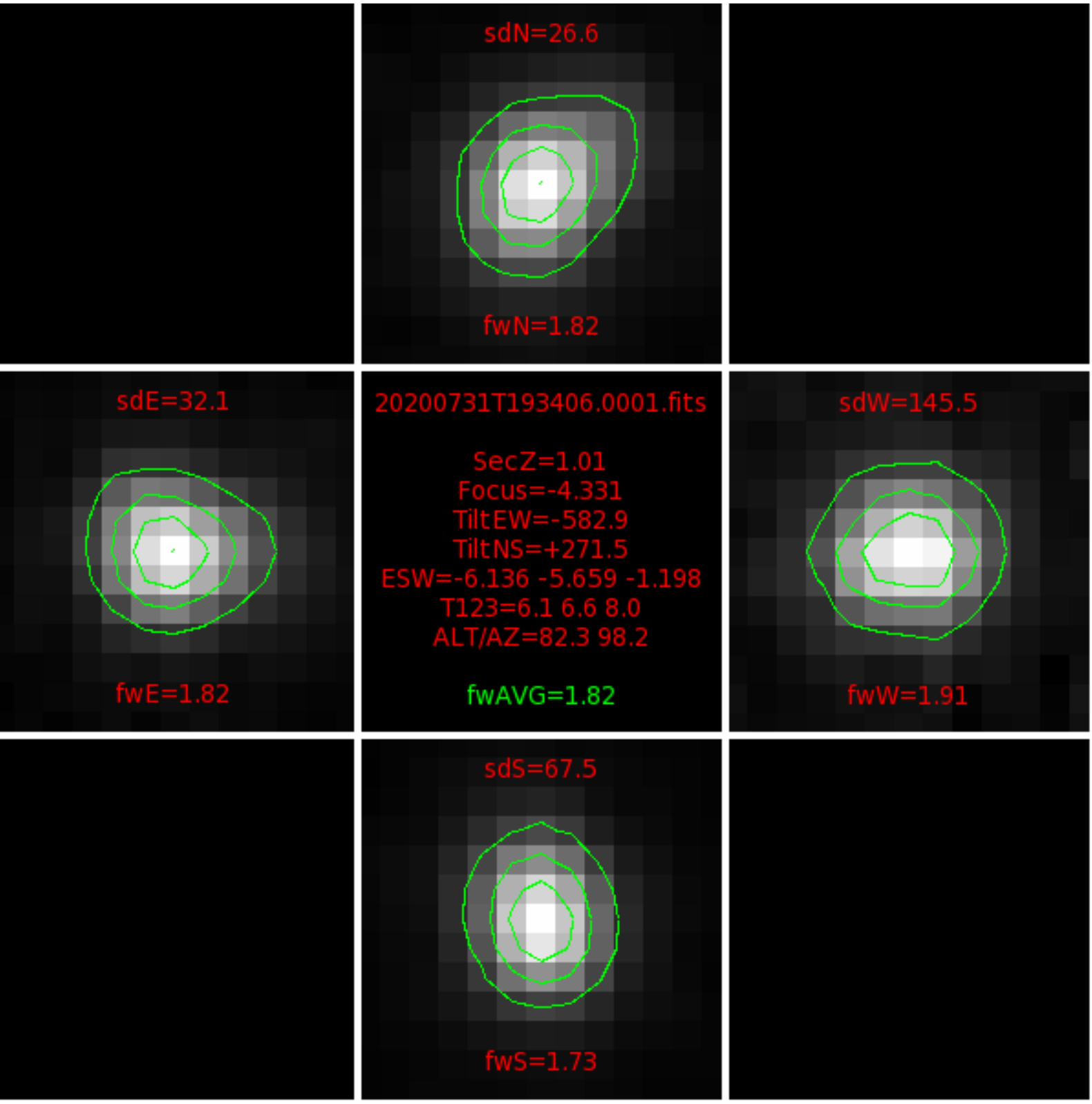
sdN=26.6
fwN=1.82
sdE=32.1
fwE=1.82
20200731T193406.0001.fits
SecZ=1.01
Focus=-4.331
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.136 -5.659 -1.198
T123=6.1 6.6 8.0
ALT/AZ=82.3 98.2
fwAVG=1.82
sdW=145.5
fwW=1.91
sdS=67.5
fwS=1.73
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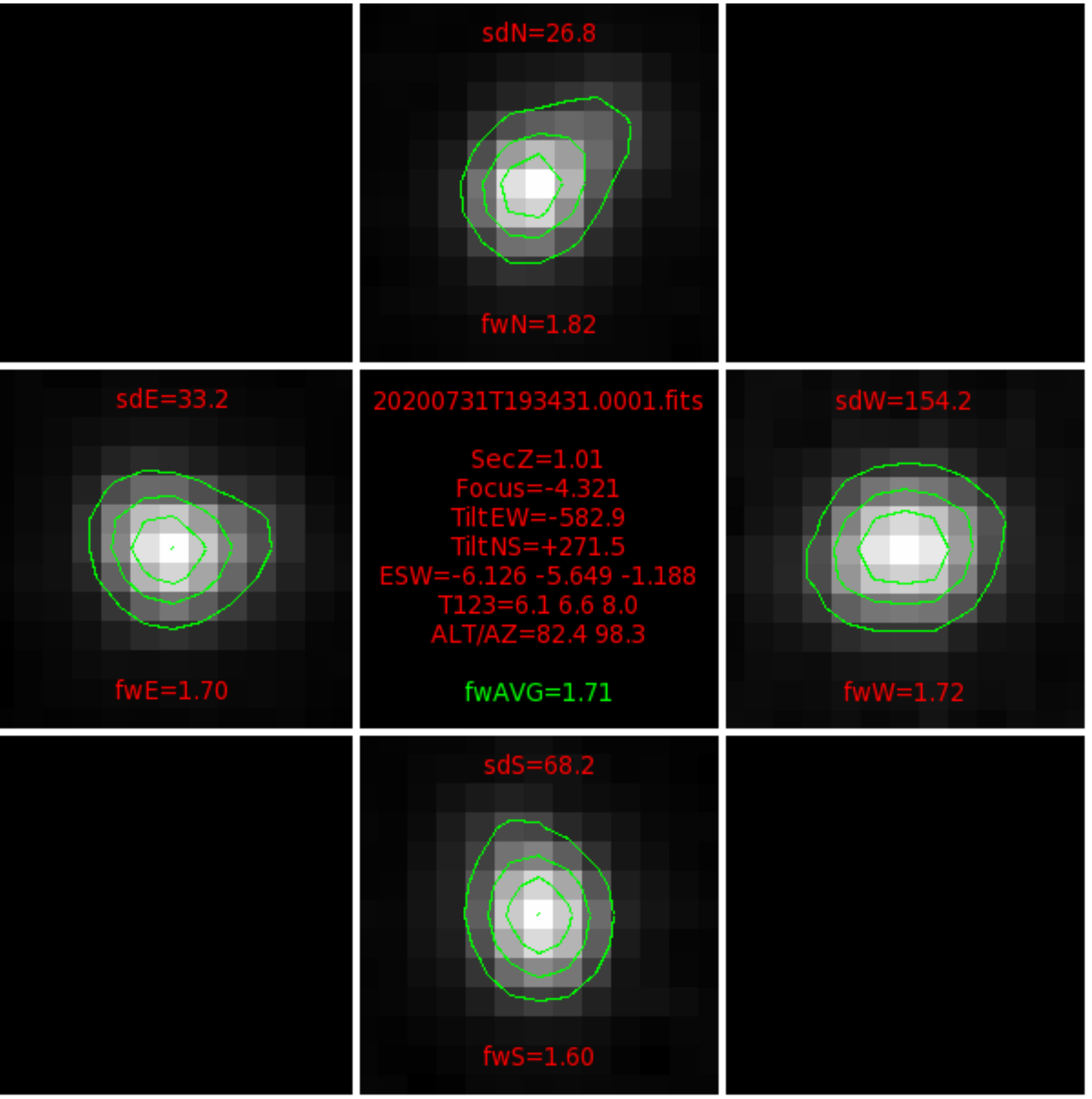
sdN=26.8
fwN=1.82
sdE=33.2
fwE=1.70
20200731T193431.0001.fits
SecZ=1.01
Focus=-4.321
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.126 -5.649 -1.188
T123=6.1 6.6 8.0
ALT/AZ=82.4 98.3
fwAVG=1.71
sdW=154.2
fwW=1.72
sdS=68.2
fwS=1.60
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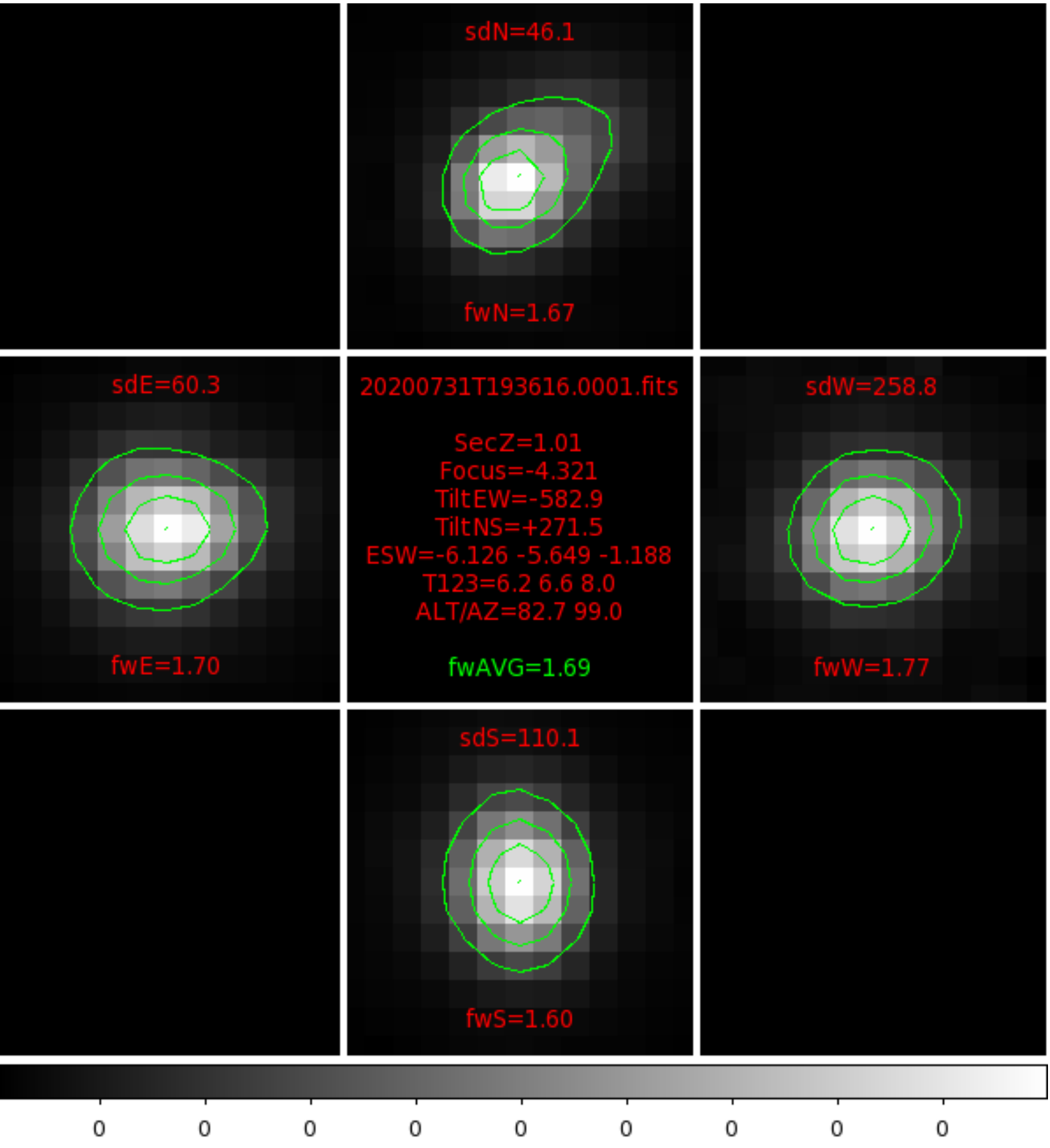
sdN=46.1
fwN=1.67
sdE=60.3
fwE=1.70
20200731T193616.0001.fits
SecZ=1.01
Focus=-4.321
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.126 -5.649 -1.188
T123=6.2 6.6 8.0
ALT/AZ=82.7 99.0
fwAVG=1.69
sdW=258.8
fwW=1.77
sdS=110.1
fwS=1.60
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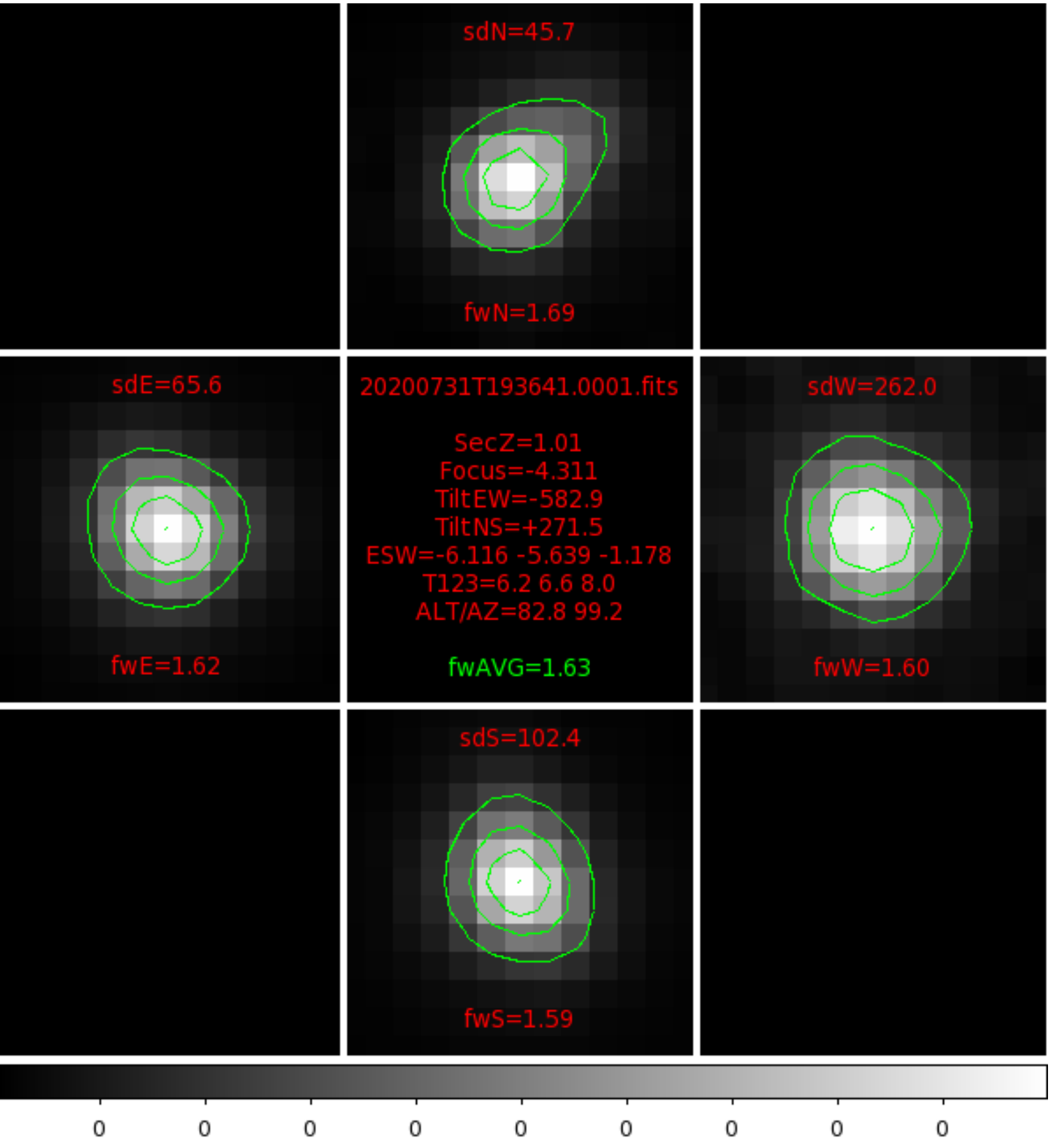
sdN=45.7
fwN=1.69
sdE=65.6
fwE=1.62
20200731T193641.0001.fits
SecZ=1.01
Focus=-4.311
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.116 -5.639 -1.178
T123=6.2 6.6 8.0
ALT/AZ=82.8 99.2
fwAVG=1.63
sdW=262.0
fwW=1.60
sdS=102.4
fwS=1.59
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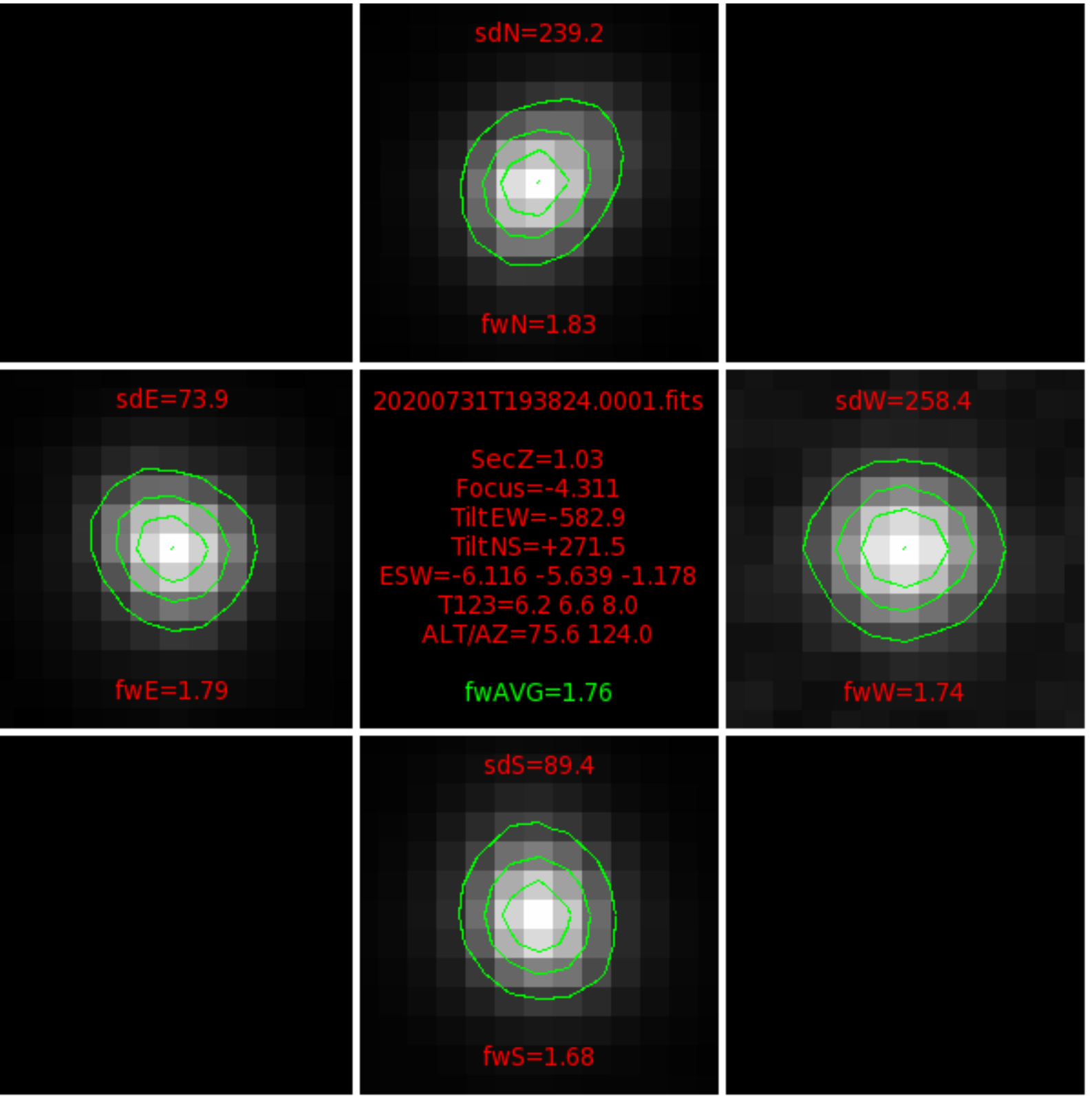
sdN=239.2
fwN=1.83
sdE=73.9
fwE=1.79
20200731T193824.0001.fits
SecZ=1.03
Focus=-4.311
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.116 -5.639 -1.178
T123=6.2 6.6 8.0
ALT/AZ=75.6 124.0
fwAVG=1.76
sdW=258.4
fwW=1.74
sdS=89.4
fwS=1.68
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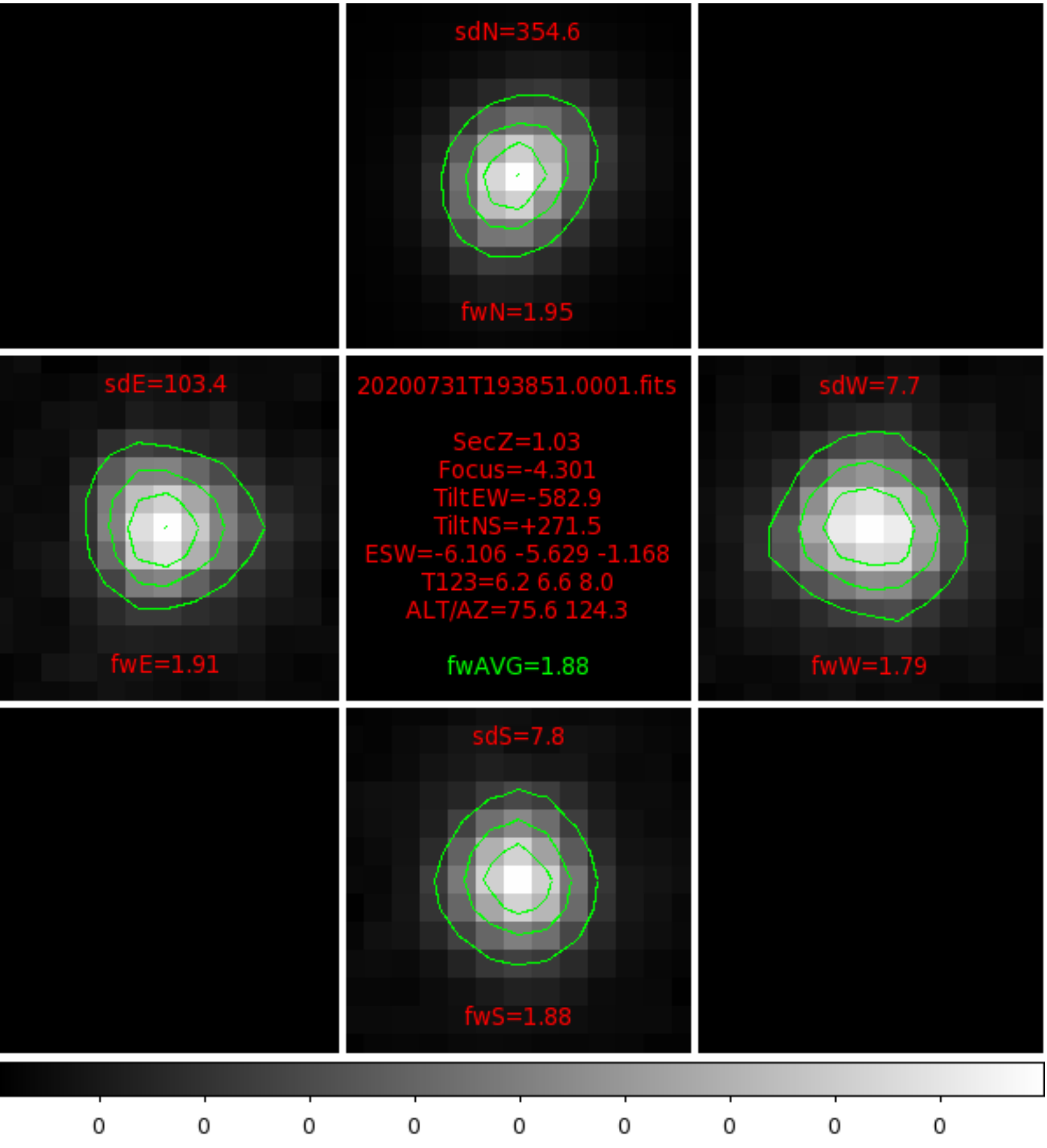
sdN=354.6
fwN=1.95
sdE=103.4
fwE=1.91
20200731T193851.0001.fits
SecZ=1.03
Focus=-4.301
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.106 -5.629 -1.168
T123=6.2 6.6 8.0
ALT/AZ=75.6 124.3
fwAVG=1.88
sdW=7.7
fwW=1.79
sdS=7.8
fwS=1.88
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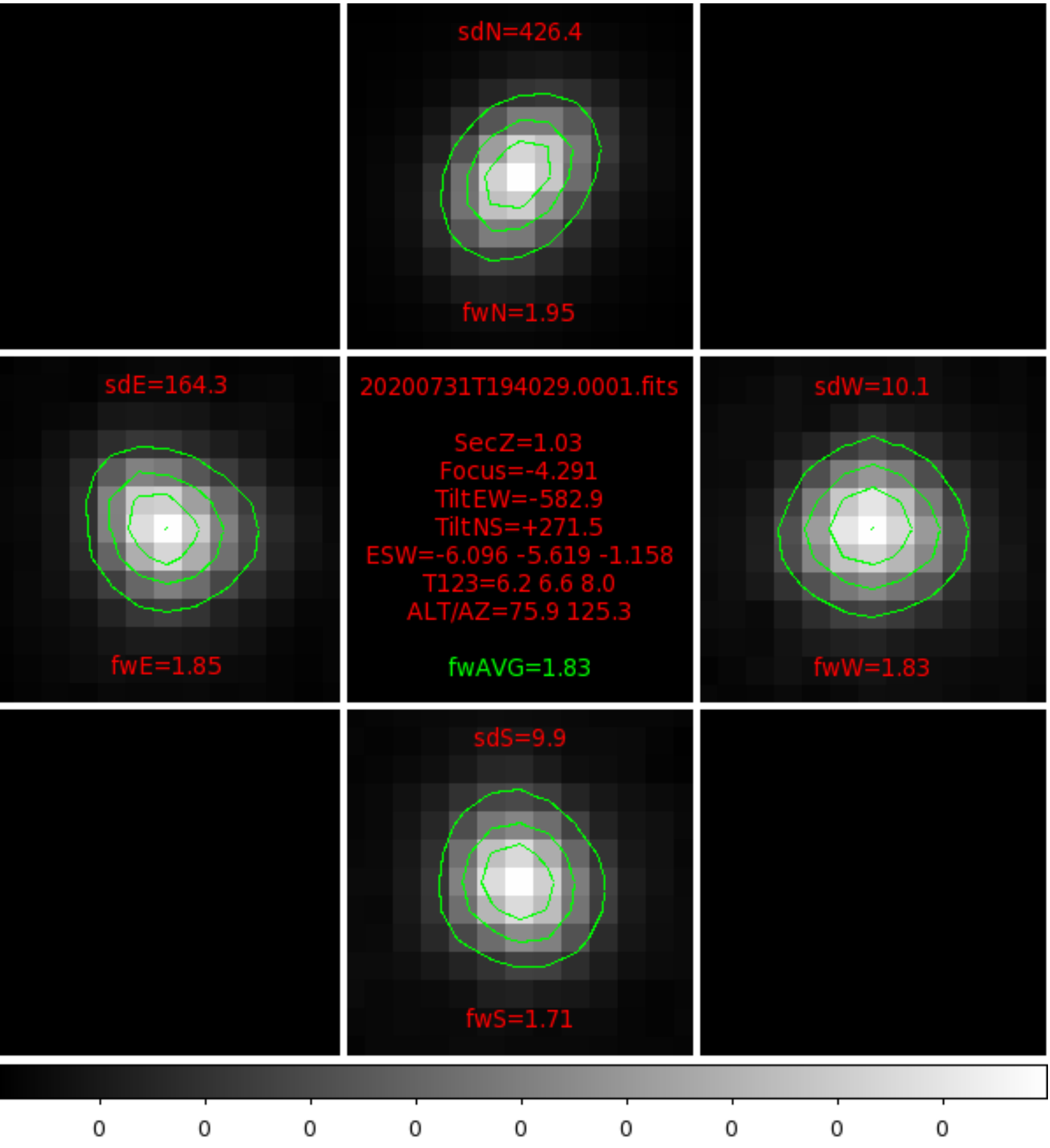
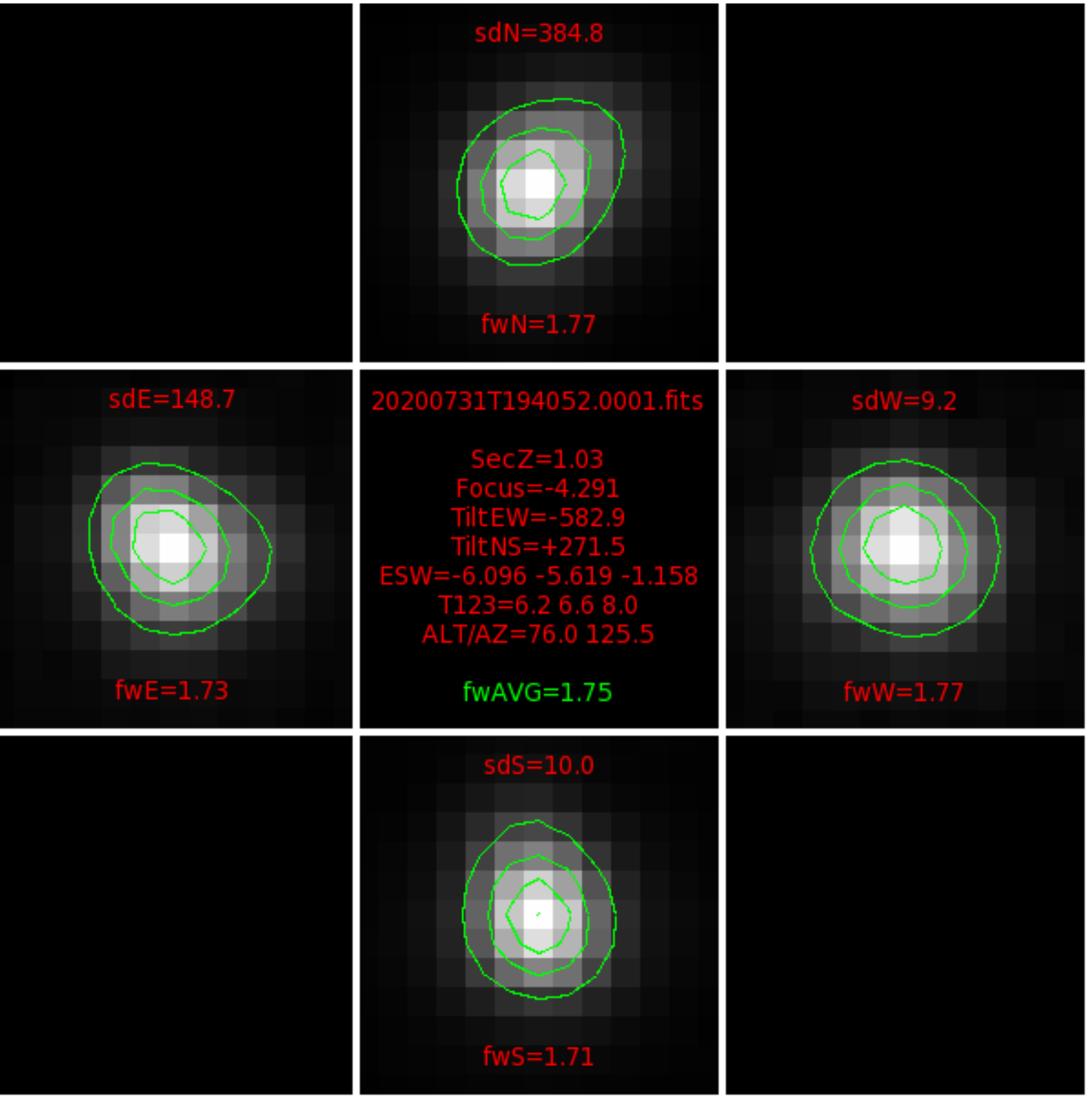
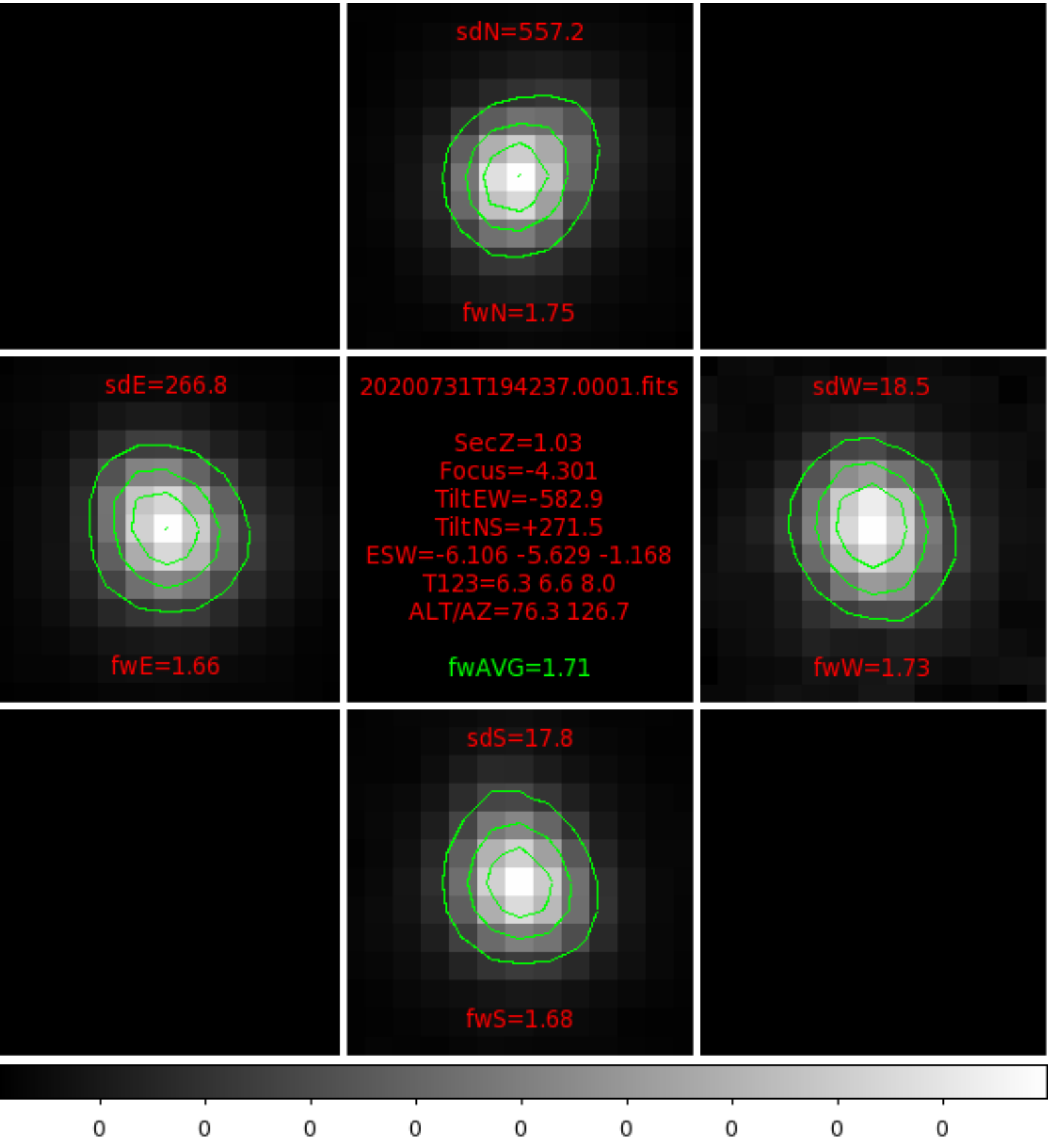
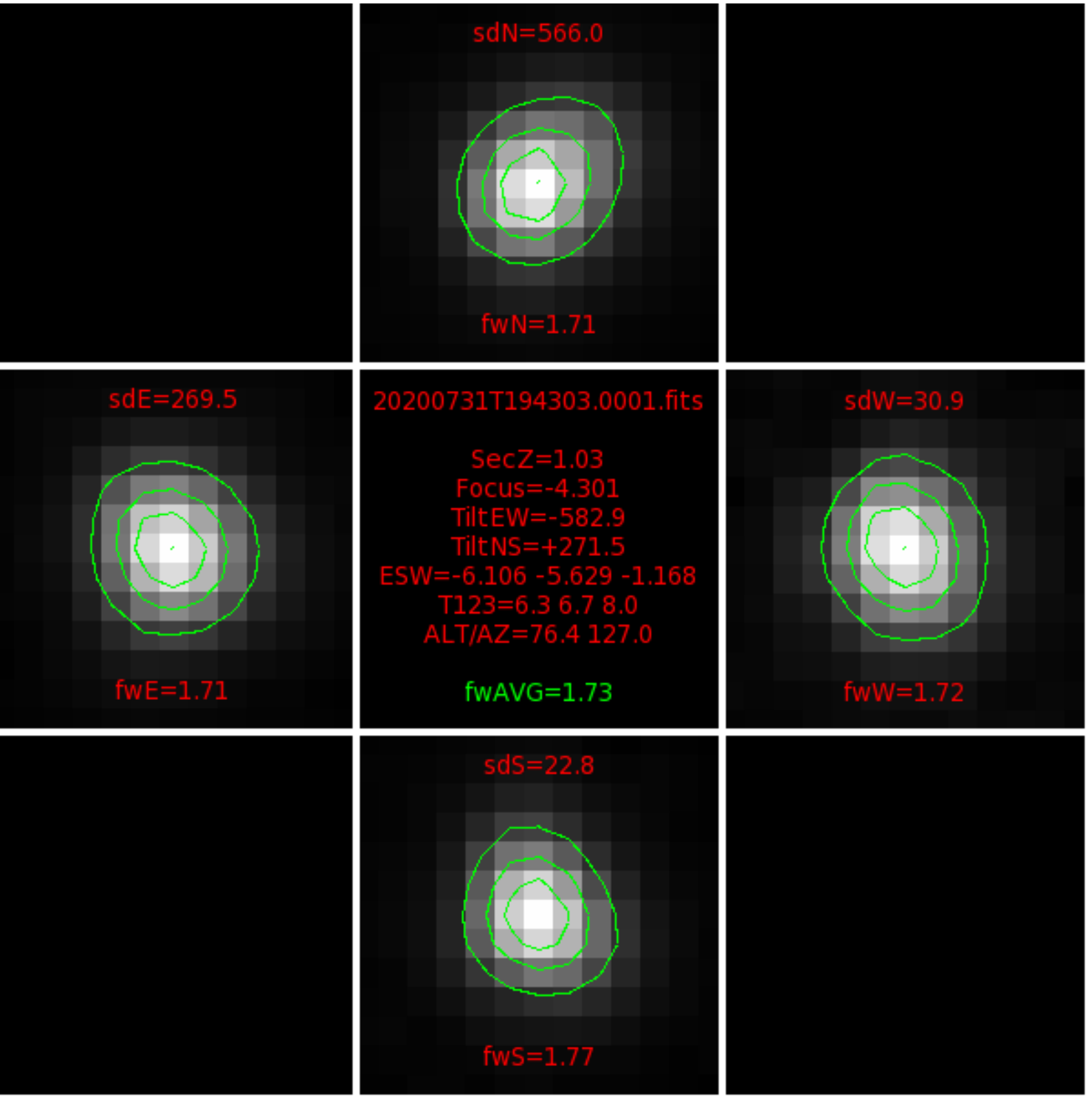

sdN=426.4
fwN=1.95
sdE=164.3
fwE=1.85
20200731T194029.0001.fits
SecZ=1.03
Focus=-4.291
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.096 -5.619 -1.158
T123=6.2 6.6 8.0
ALT/AZ=75.9 125.3
fwAVG=1.83
sdW=10.1
fwW=1.83
sdS=9.9
fwS=1.71
0 0 0 0 0 0 0 0 0


sdN=384.8
fwN=1.77
sdE=148.7
fwE=1.73
20200731T194052.0001.fits
SecZ=1.03
Focus=-4.291
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.096 -5.619 -1.158
T123=6.2 6.6 8.0
ALT/AZ=76.0 125.5
fwAVG=1.75
sdW=9.2
fwW=1.77
sdS=10.0
fwS=1.71
0 0 0 0 0 0 0 0 0


sdN=557.2
fwN=1.75
sdE=266.8
fwE=1.66
20200731T194237.0001.fits
SecZ=1.03
Focus=-4.301
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.106 -5.629 -1.168
T123=6.3 6.6 8.0
ALT/AZ=76.3 126.7
fwAVG=1.71
sdW=18.5
fwW=1.73
sdS=17.8
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=566.0
fwN=1.71
sdE=269.5
fwE=1.71
20200731T194303.0001.fits
SecZ=1.03
Focus=-4.301
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.106 -5.629 -1.168
T123=6.3 6.7 8.0
ALT/AZ=76.4 127.0
fwAVG=1.73
sdW=30.9
fwW=1.72
sdS=22.8
fwS=1.77
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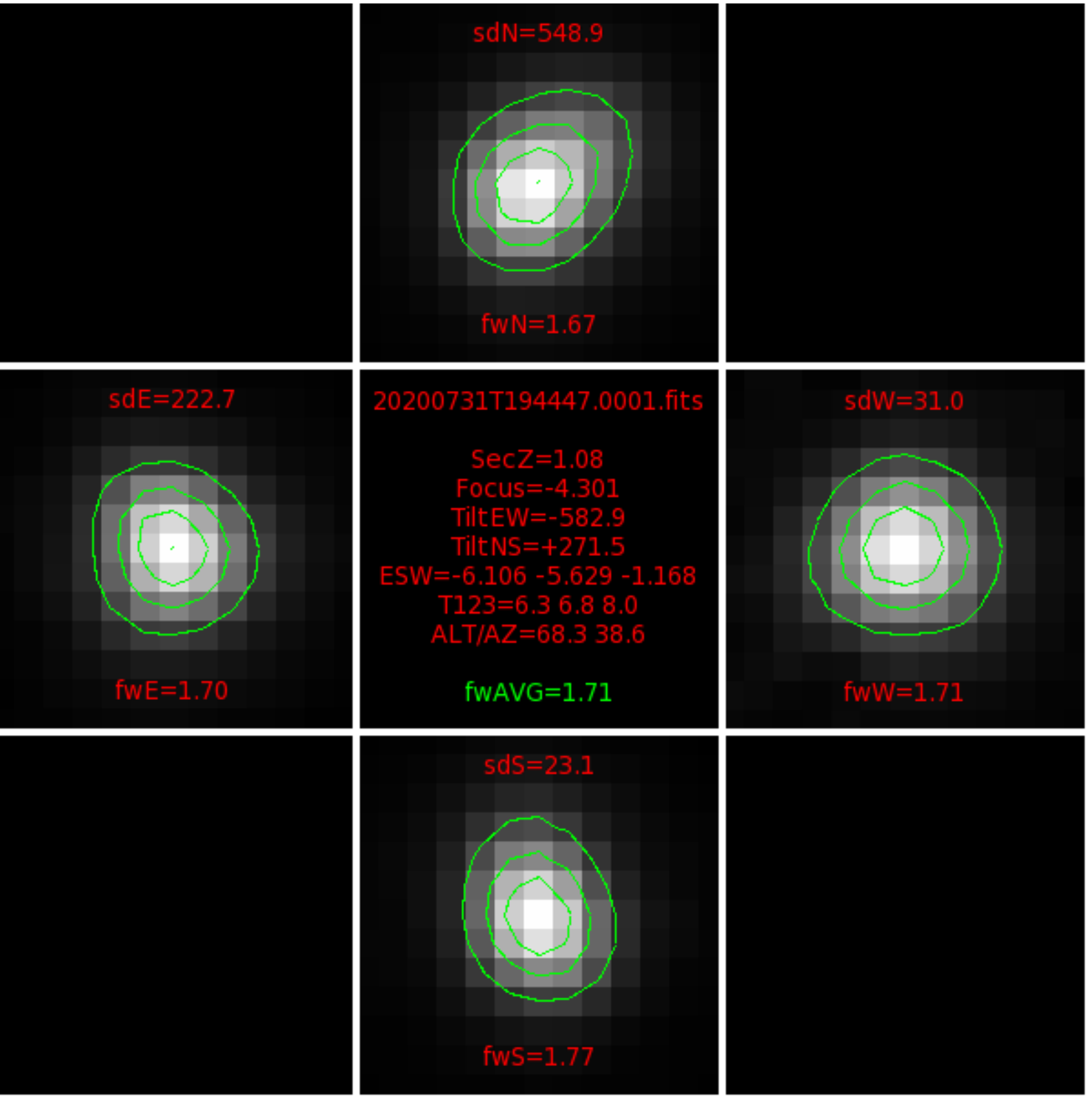
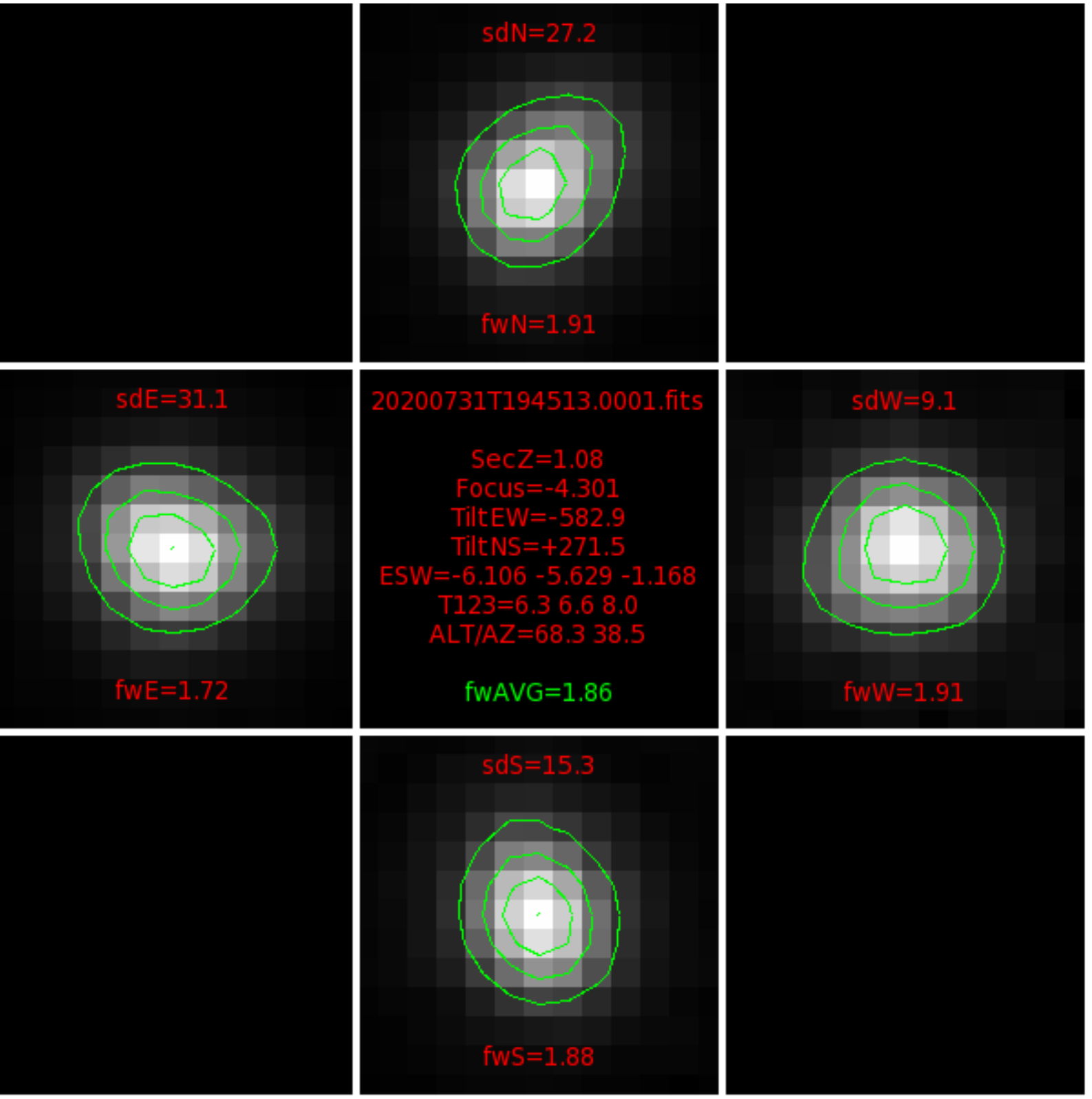

sdN=548.9
fwN=1.67
sdE=222.7
fwE=1.70
20200731T194447.0001.fits
SecZ=1.08
Focus=-4.301
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.106 -5.629 -1.168
T123=6.3 6.8 8.0
ALT/AZ=68.3 38.6
fwAVG=1.71
sdW=31.0
fwW=1.71
sdS=23.1
fwS=1.77
0 0 0 0 0 0 0 0 0


sdN=27.2
fwN=1.91
sdE=31.1
fwE=1.72
20200731T194513.0001.fits
SecZ=1.08
Focus=-4.301
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.106 -5.629 -1.168
T123=6.3 6.6 8.0
ALT/AZ=68.3 38.5
fwAVG=1.86
sdW=9.1
fwW=1.91
sdS=15.3
fwS=1.88
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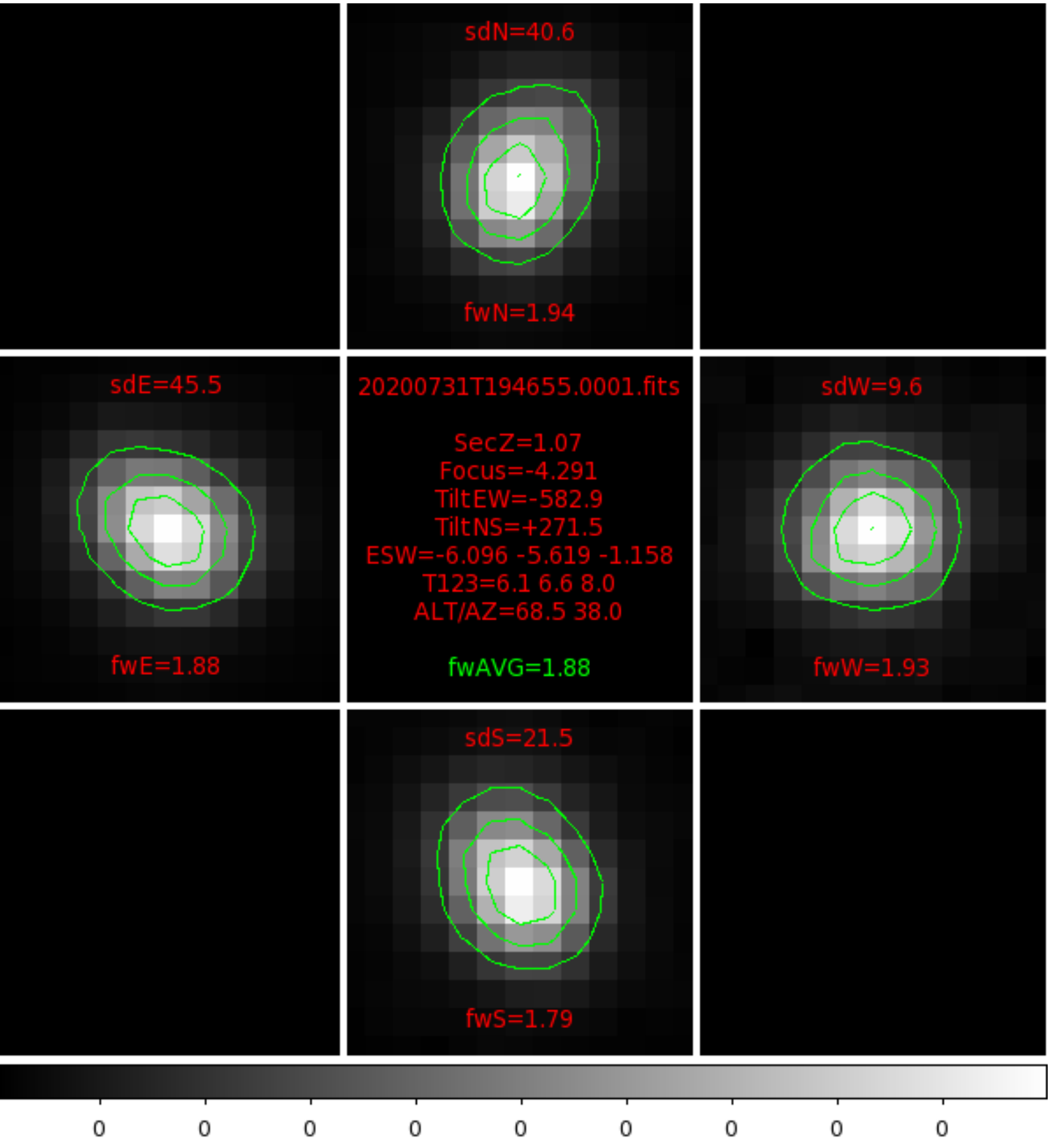
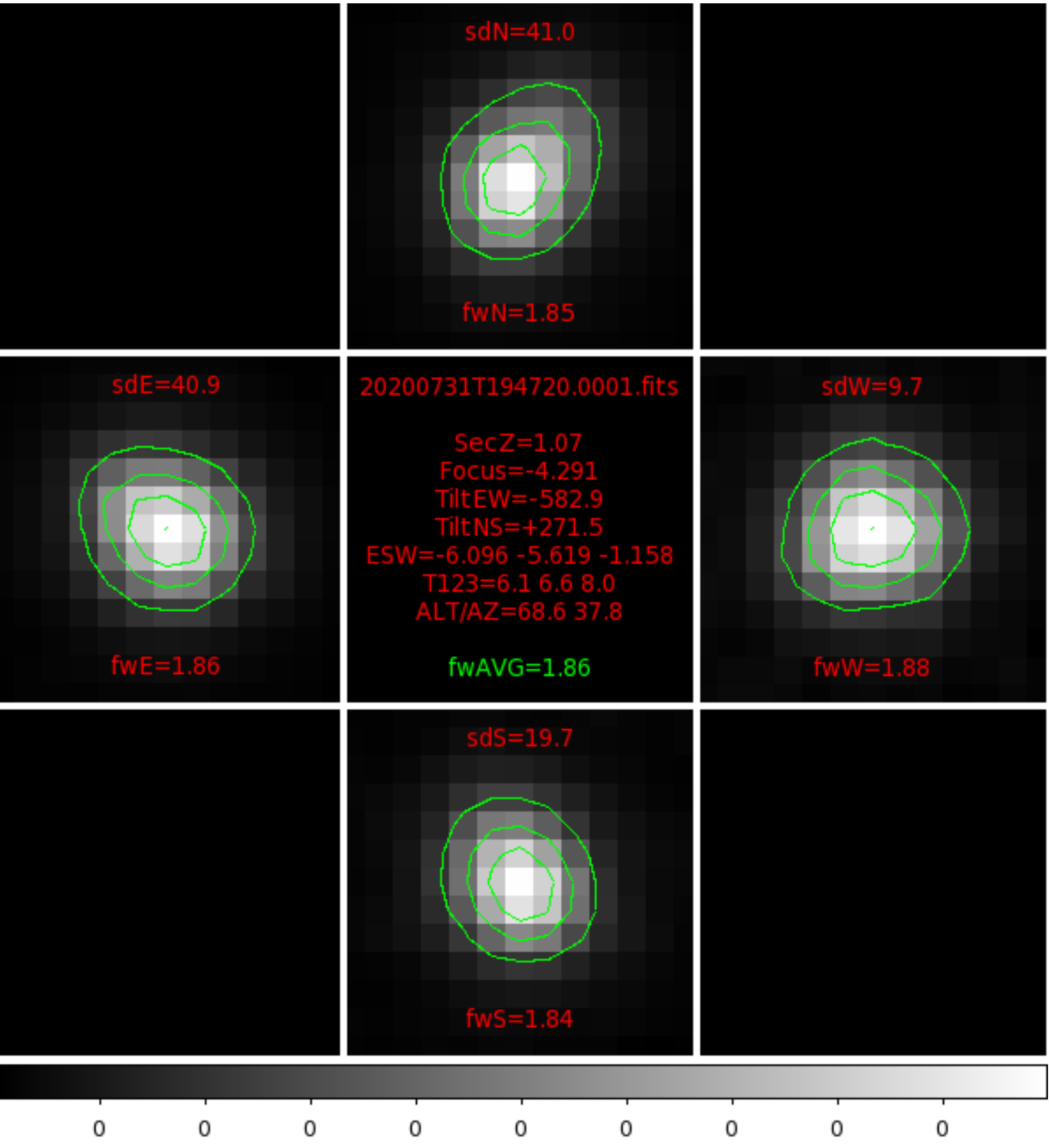
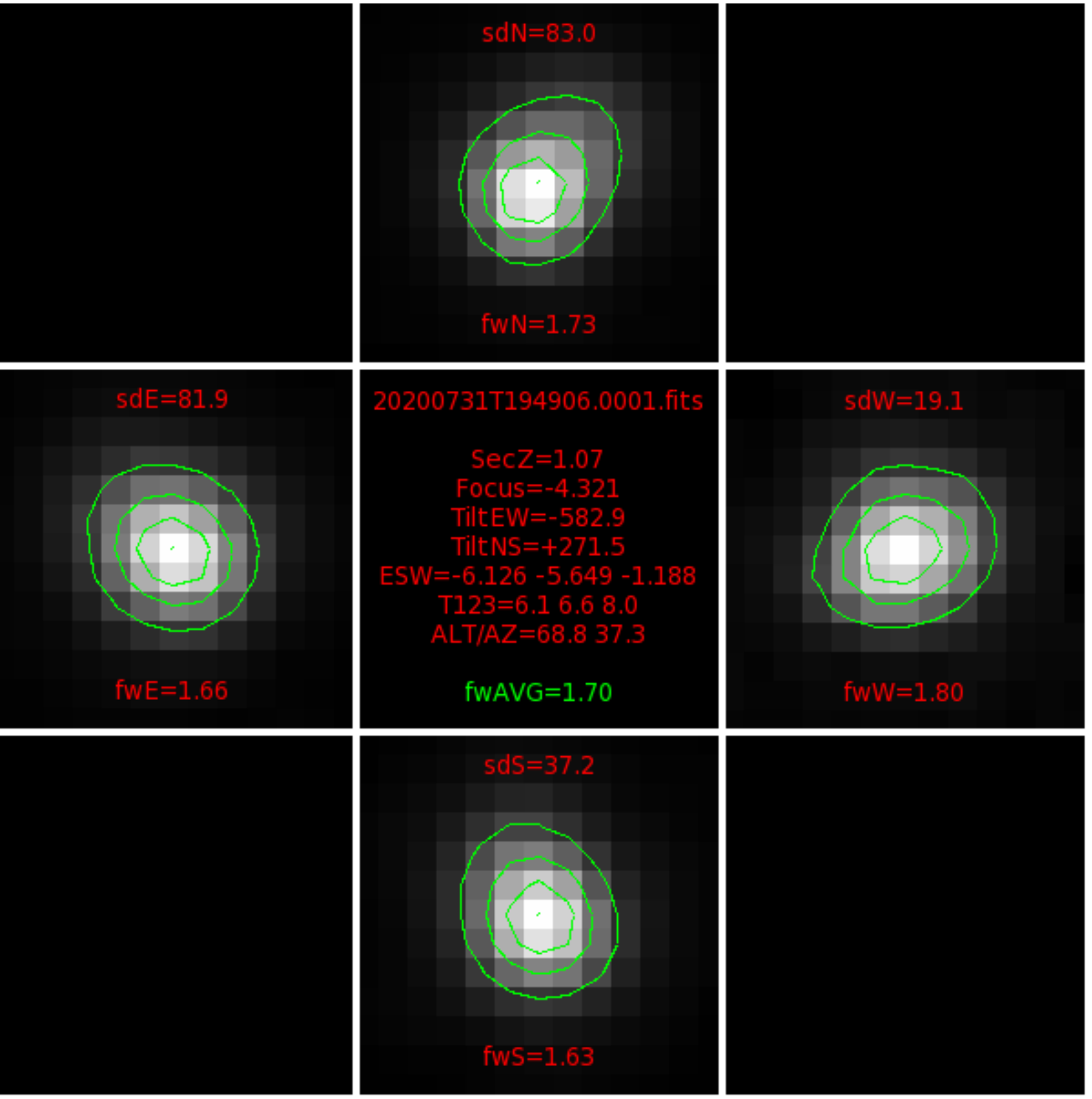
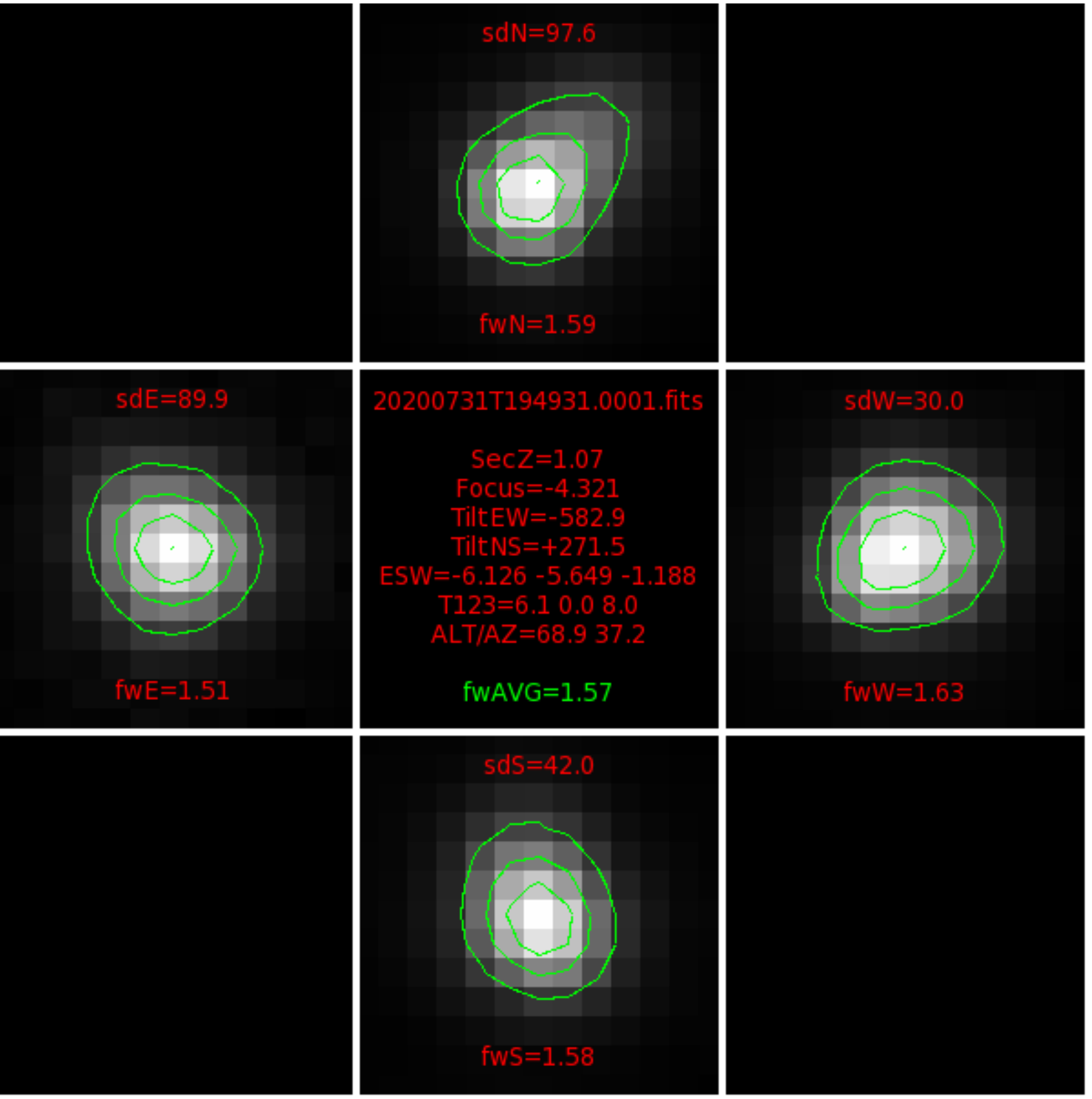
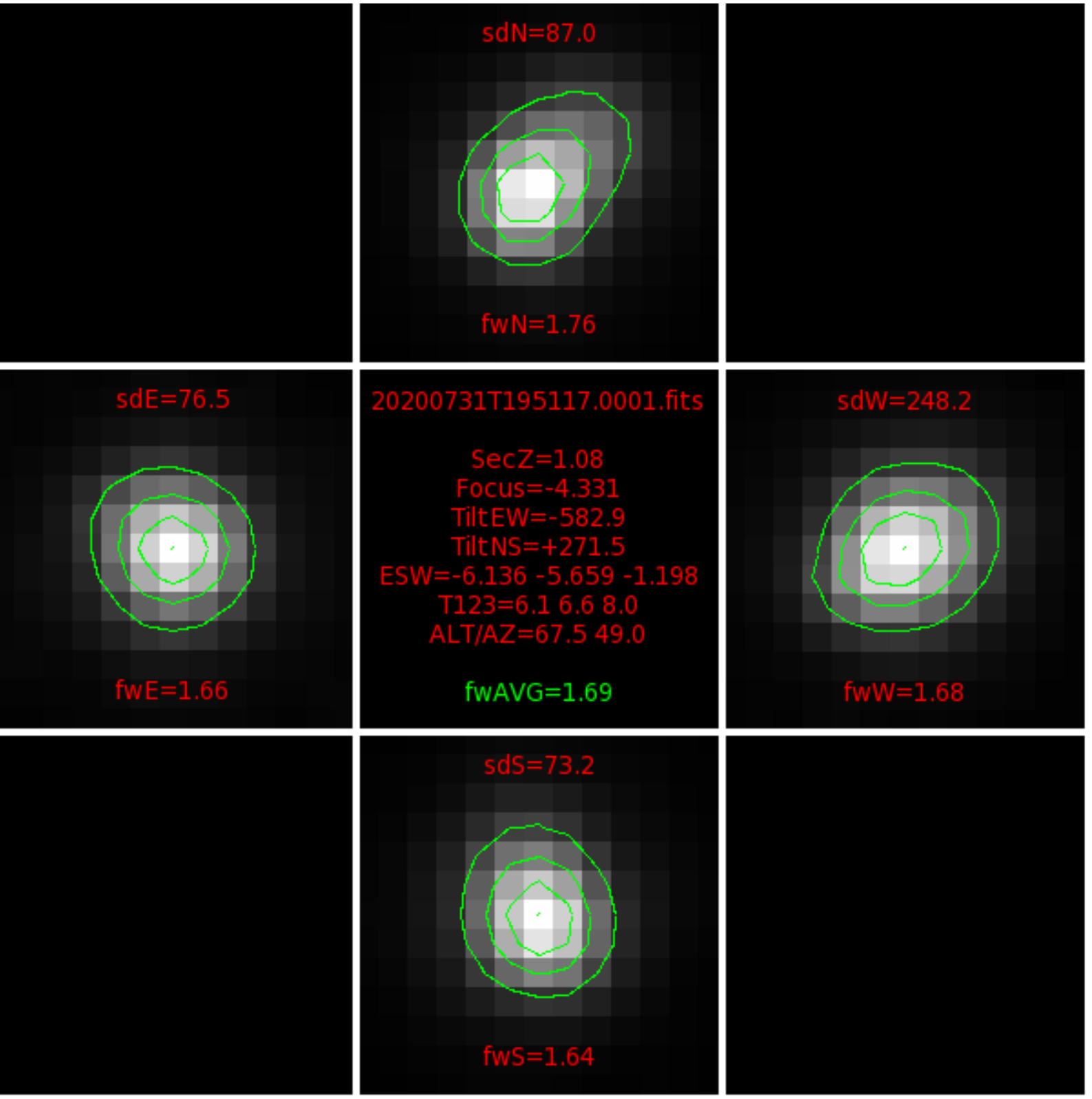
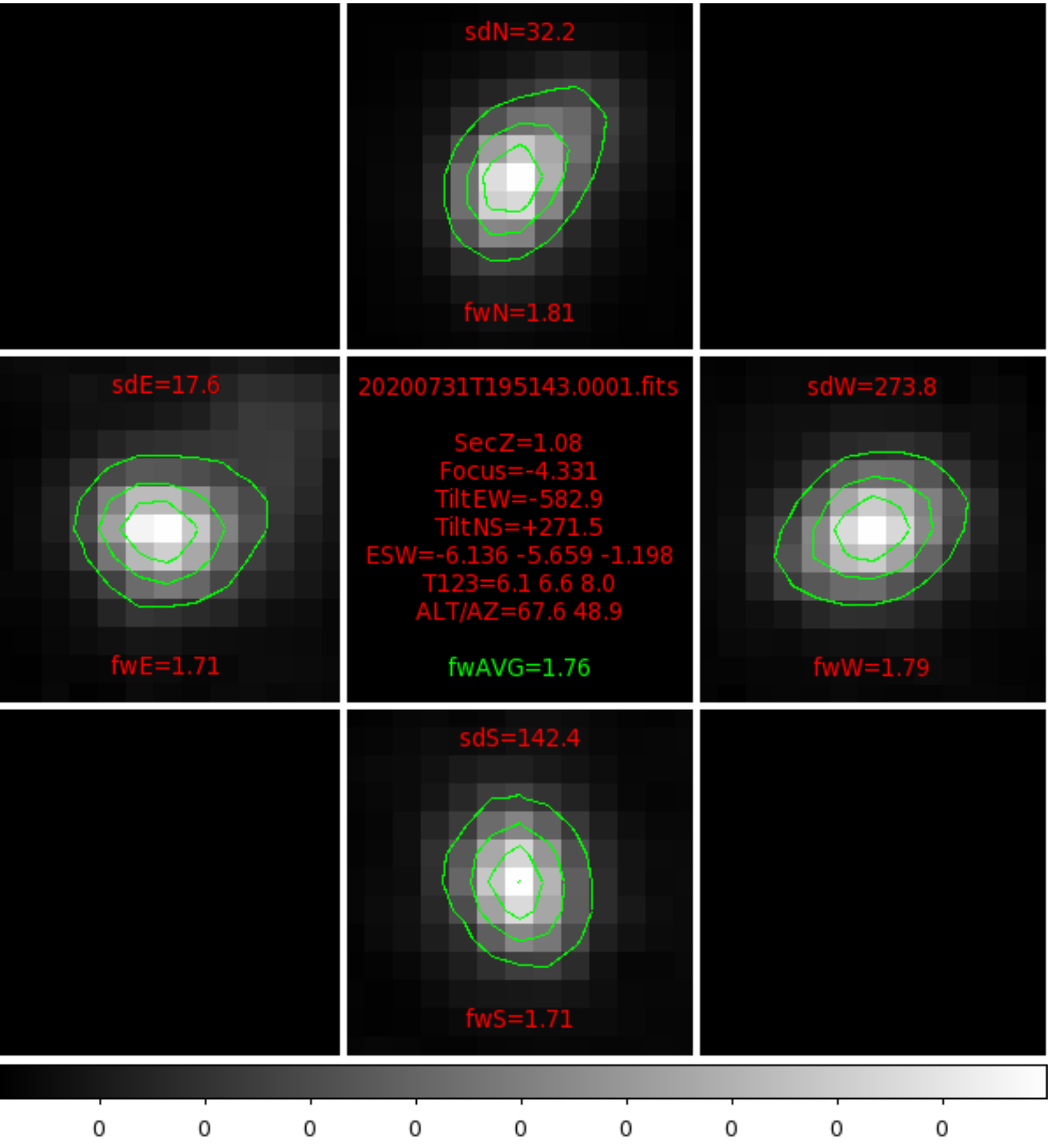

sdN=40.6
fwN=1.94
sdE=45.5
fwE=1.88
20200731T194655.0001.fits
SecZ=1.07
Focus=-4.291
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.096 -5.619 -1.158
T123=6.1 6.6 8.0
ALT/AZ=68.5 38.0
fwAVG=1.88
sdW=9.6
fwW=1.93
sdS=21.5
fwS=1.79
0 0 0 0 0 0 0 0 0

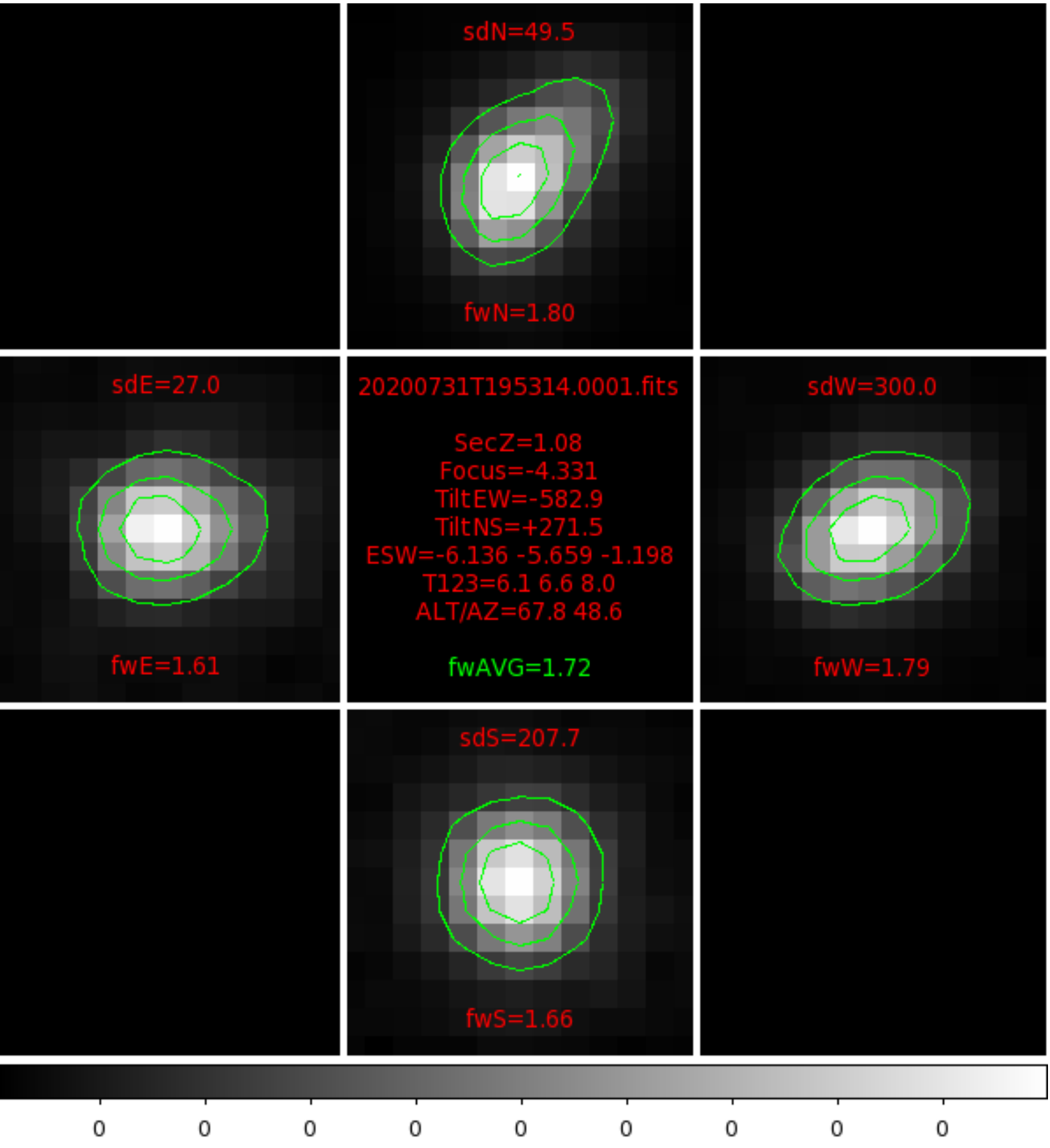

sdN=41.0
fwN=1.85
sdE=40.9
fwE=1.86
20200731T194720.0001.fits
SecZ=1.07
Focus=-4.291
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.096 -5.619 -1.158
T123=6.1 6.6 8.0
ALT/AZ=68.6 37.8
fwAVG=1.86
sdW=9.7
fwW=1.88
sdS=19.7
fwS=1.84
0 0 0 0 0 0 0 0 0

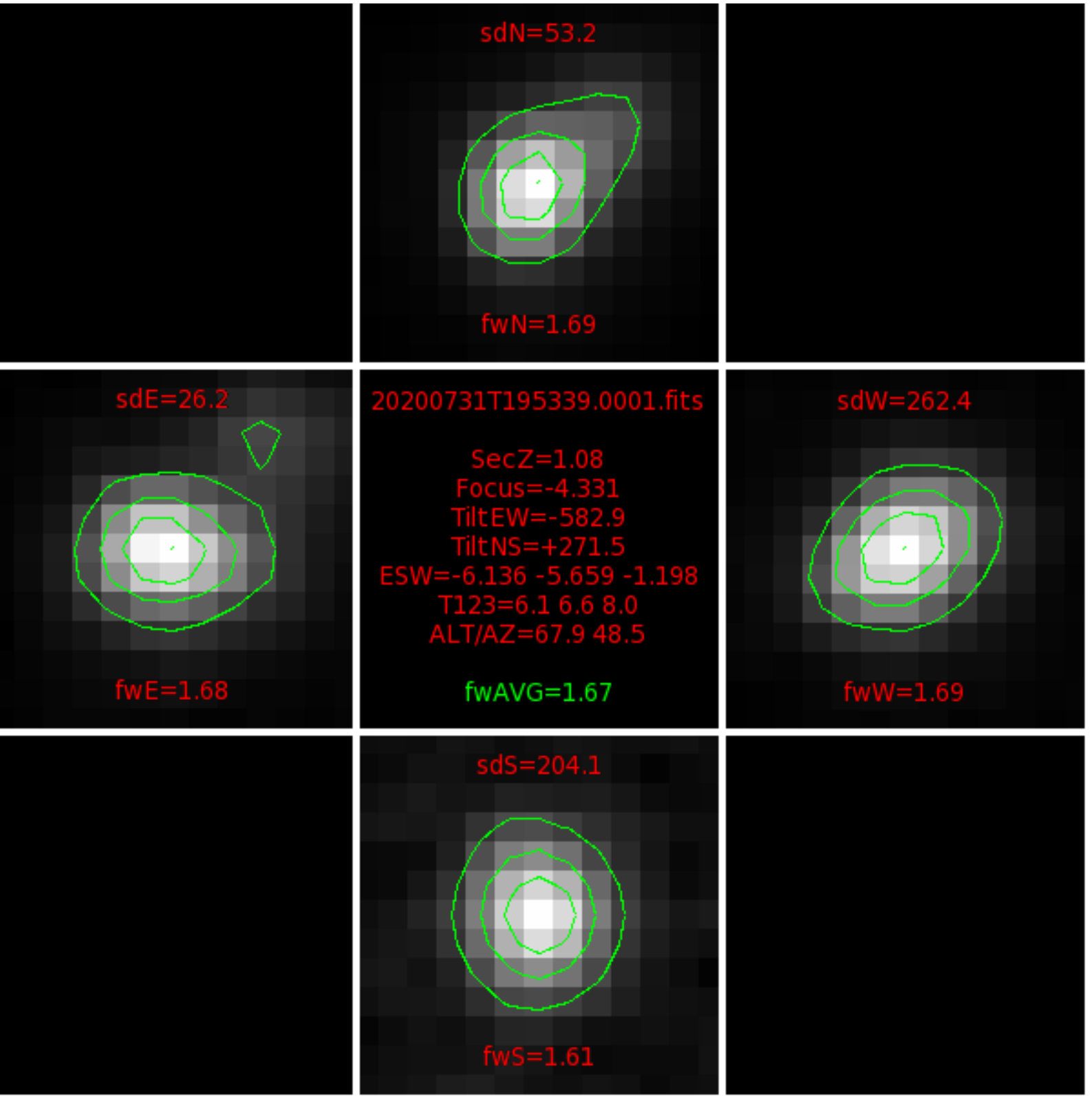

sdN=83.0
fwN=1.73
sdE=81.9
fwE=1.66
20200731T194906.0001.fits
SecZ=1.07
Focus=-4.321
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.126 -5.649 -1.188
T123=6.1 6.6 8.0
ALT/AZ=68.8 37.3
fwAVG=1.70
sdW=19.1
fwW=1.80
sdS=37.2
fwS=1.63
0 0 0 0 0 0 0 0 0

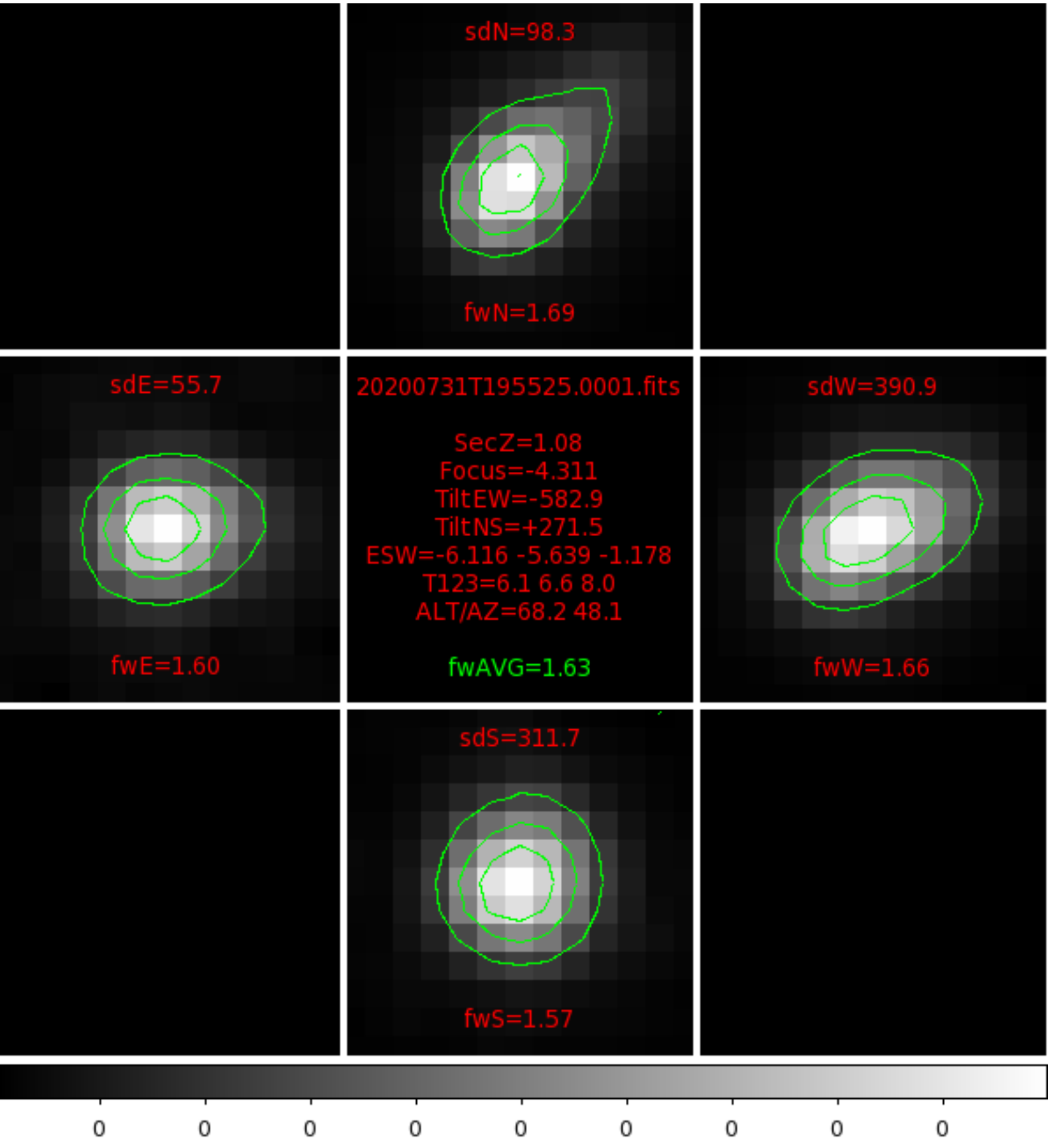

sdN=97.6
fwN=1.59
sdE=89.9
fwE=1.51
20200731T194931.0001.fits
SecZ=1.07
Focus=-4.321
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.126 -5.649 -1.188
T123=6.1 0.0 8.0
ALT/AZ=68.9 37.2
fwAVG=1.57
sdW=30.0
fwW=1.63
sdS=42.0
fwS=1.58
0 0 0 0 0 0 0 0 0

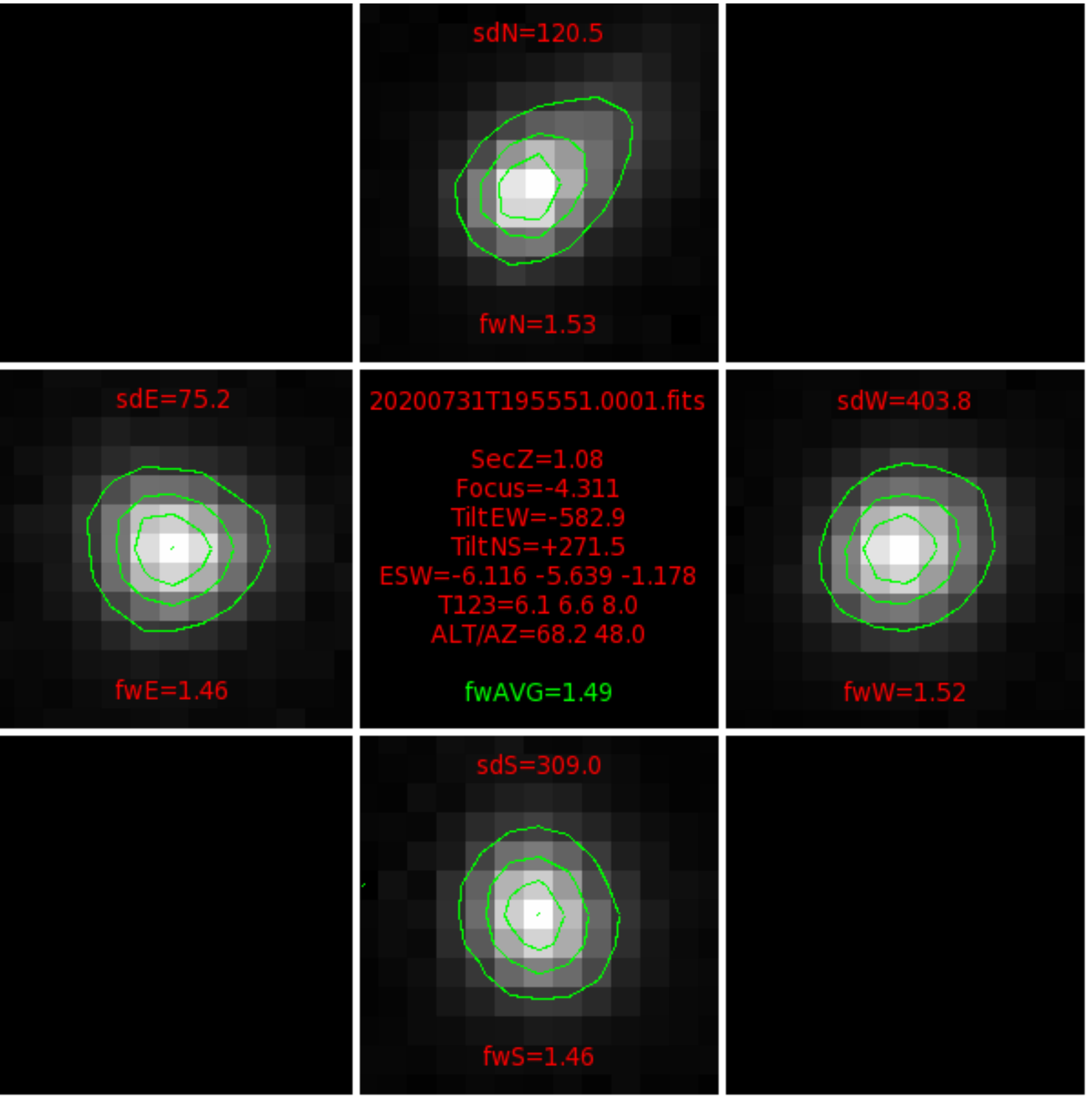

sdN=87.0
fwN=1.76
sdE=76.5
fwE=1.66
20200731T195117.0001.fits
SecZ=1.08
Focus=-4.331
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.136 -5.659 -1.198
T123=6.1 6.6 8.0
ALT/AZ=67.5 49.0
fwAVG=1.69
sdW=248.2
fwW=1.68
sdS=73.2
fwS=1.64
0 0 0 0 0 0 0 0 0


sdN=32.2
fwN=1.81
sdE=17.6
fwE=1.71
20200731T195143.0001.fits
SecZ=1.08
Focus=-4.331
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.136 -5.659 -1.198
T123=6.1 6.6 8.0
ALT/AZ=67.6 48.9
fwAVG=1.76
sdW=273.8
fwW=1.79
sdS=142.4
fwS=1.71
0 0 0 0 0 0 0 0 0


sdN=49.5
fwN=1.80
sdE=27.0
fwE=1.61
20200731T195314.0001.fits
SecZ=1.08
Focus=-4.331
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.136 -5.659 -1.198
T123=6.1 6.6 8.0
ALT/AZ=67.8 48.6
fwAVG=1.72
sdW=300.0
fwW=1.79
sdS=207.7
fwS=1.66
0 0 0 0 0 0 0 0 0


sdN=53.2
fwN=1.69
sdE=26.2
fwE=1.68
20200731T195339.0001.fits
SecZ=1.08
Focus=-4.331
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.136 -5.659 -1.198
T123=6.1 6.6 8.0
ALT/AZ=67.9 48.5
fwAVG=1.67
sdW=262.4
fwW=1.69
sdS=204.1
fwS=1.61
0 0 0 0 0 0 0 0 0


sdN=98.3
fwN=1.69
sdE=55.7
fwE=1.60
20200731T195525.0001.fits
SecZ=1.08
Focus=-4.311
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.116 -5.639 -1.178
T123=6.1 6.6 8.0
ALT/AZ=68.2 48.1
fwAVG=1.63
sdW=390.9
fwW=1.66
sdS=311.7
fwS=1.57
0 0 0 0 0 0 0 0 0


sdN=120.5
fwN=1.53
sdE=75.2
fwE=1.46
20200731T195551.0001.fits
SecZ=1.08
Focus=-4.311
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.116 -5.639 -1.178
T123=6.1 6.6 8.0
ALT/AZ=68.2 48.0
fwAVG=1.49
sdW=403.8
fwW=1.52
sdS=309.0
fwS=1.46
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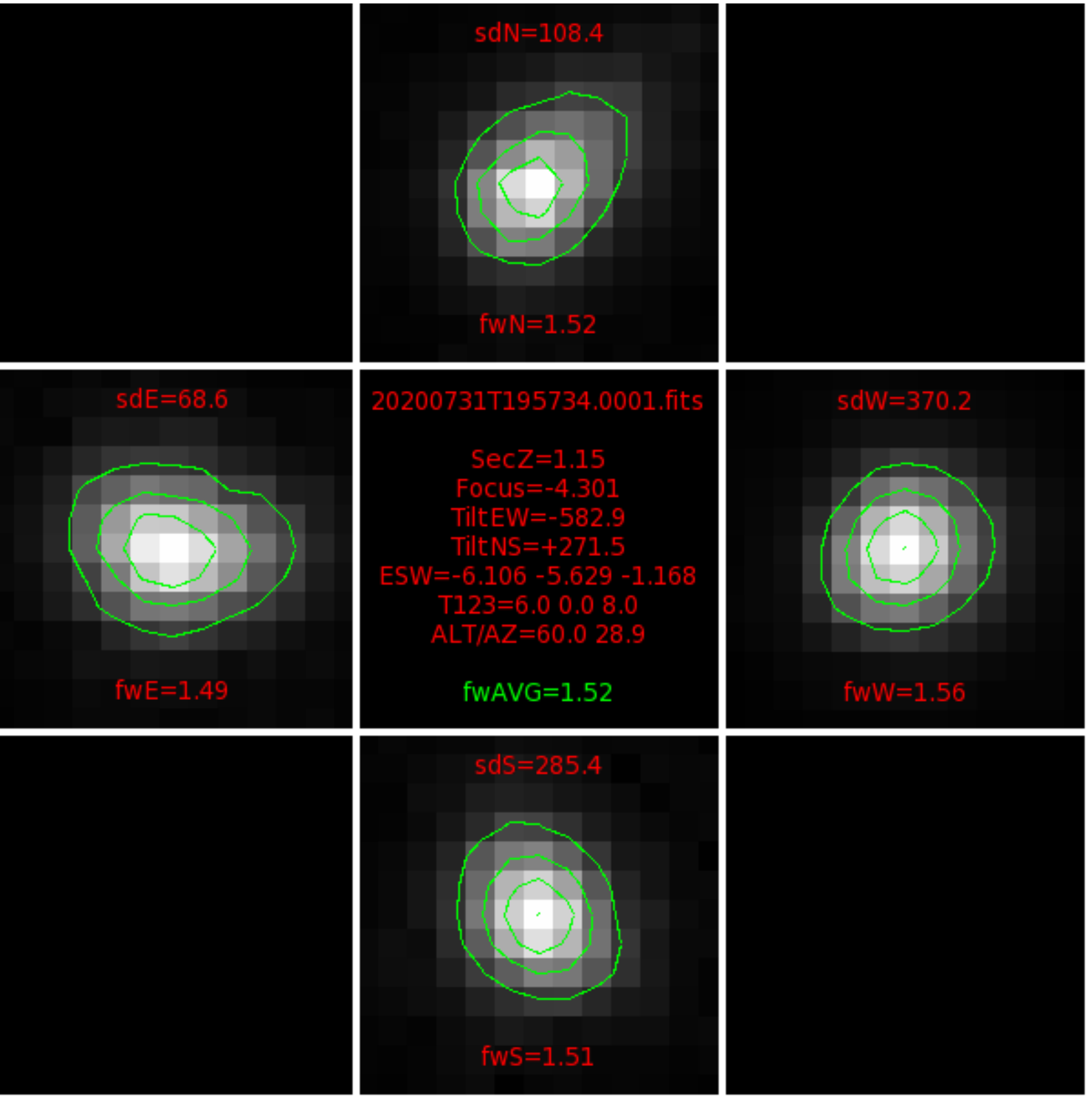
sdN=108.4
fwN=1.52
sdE=68.6
fwE=1.49
20200731T195734.0001.fits
SecZ=1.15
Focus=-4.301
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.106 -5.629 -1.168
T123=6.0 0.0 8.0
ALT/AZ=60.0 28.9
fwAVG=1.52
sdW=370.2
fwW=1.56
sdS=285.4
fwS=1.51
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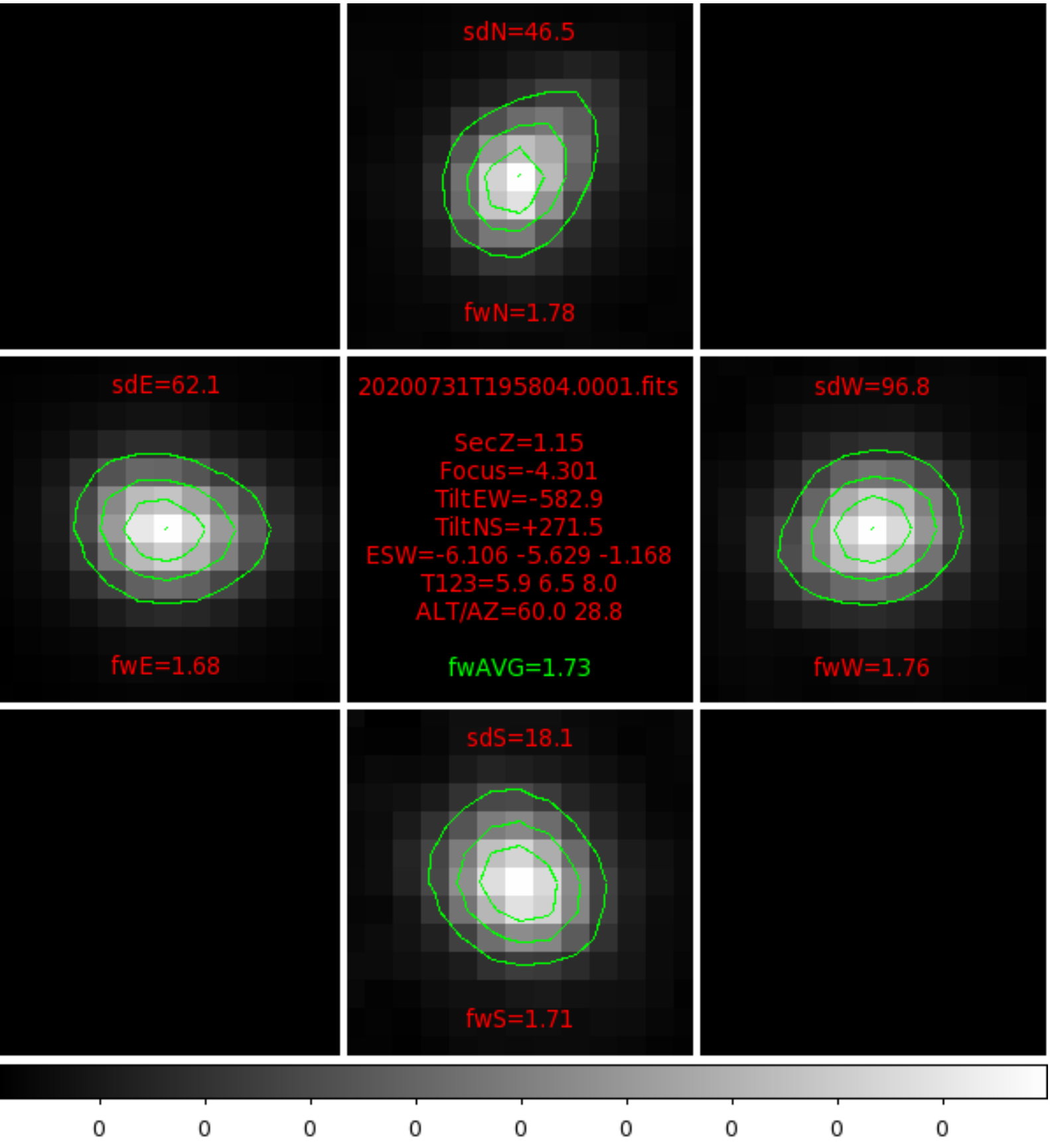
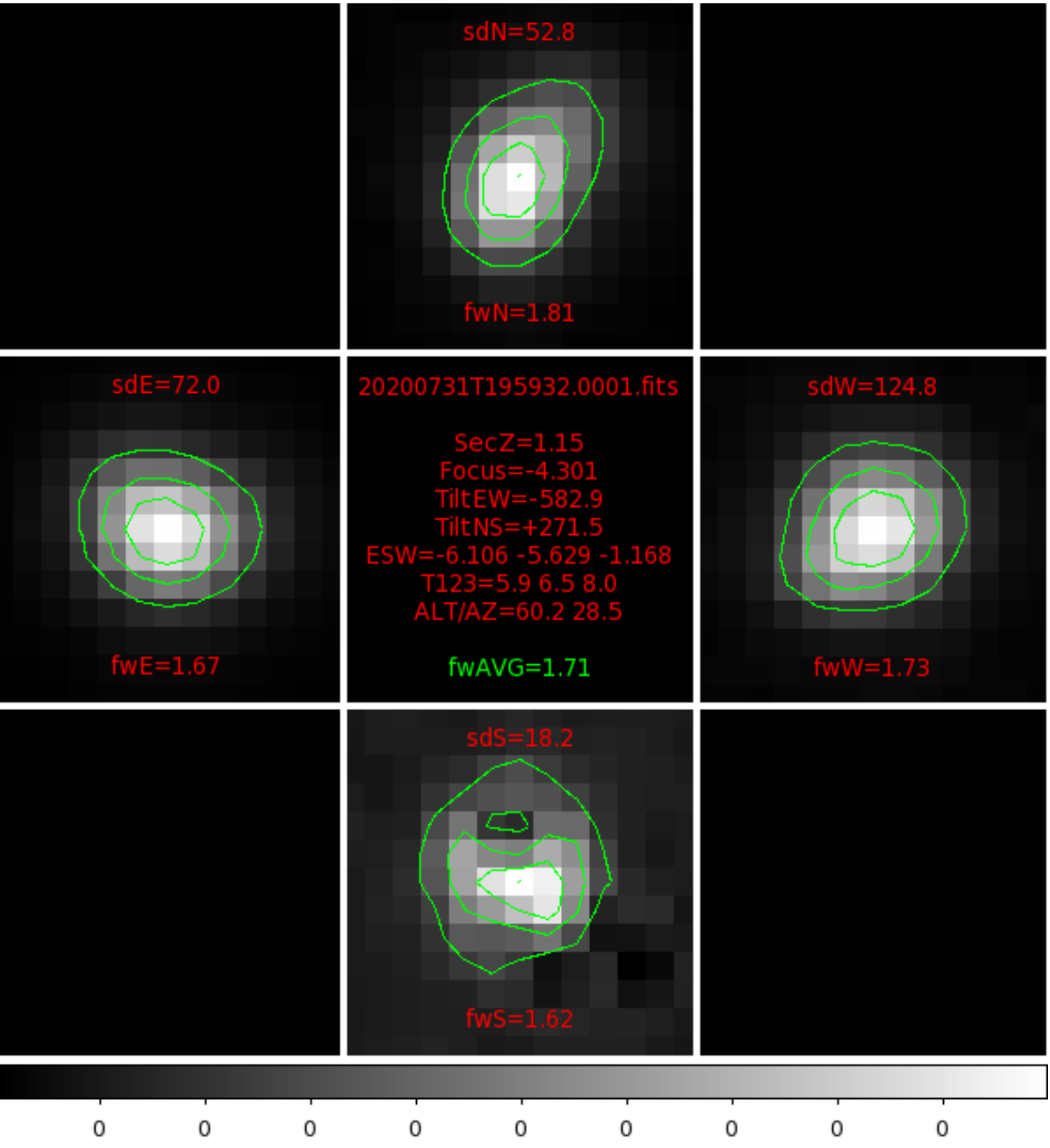
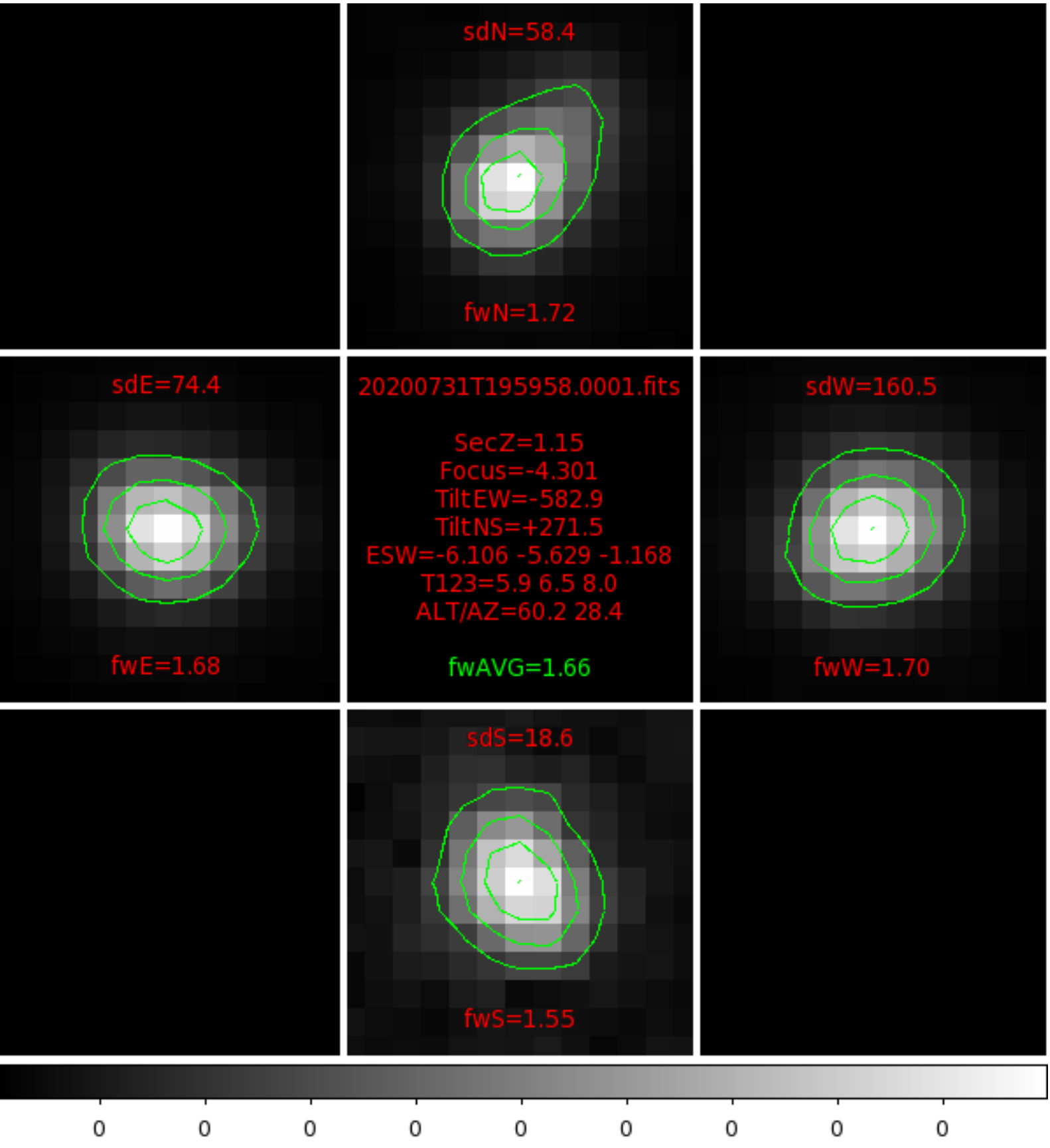
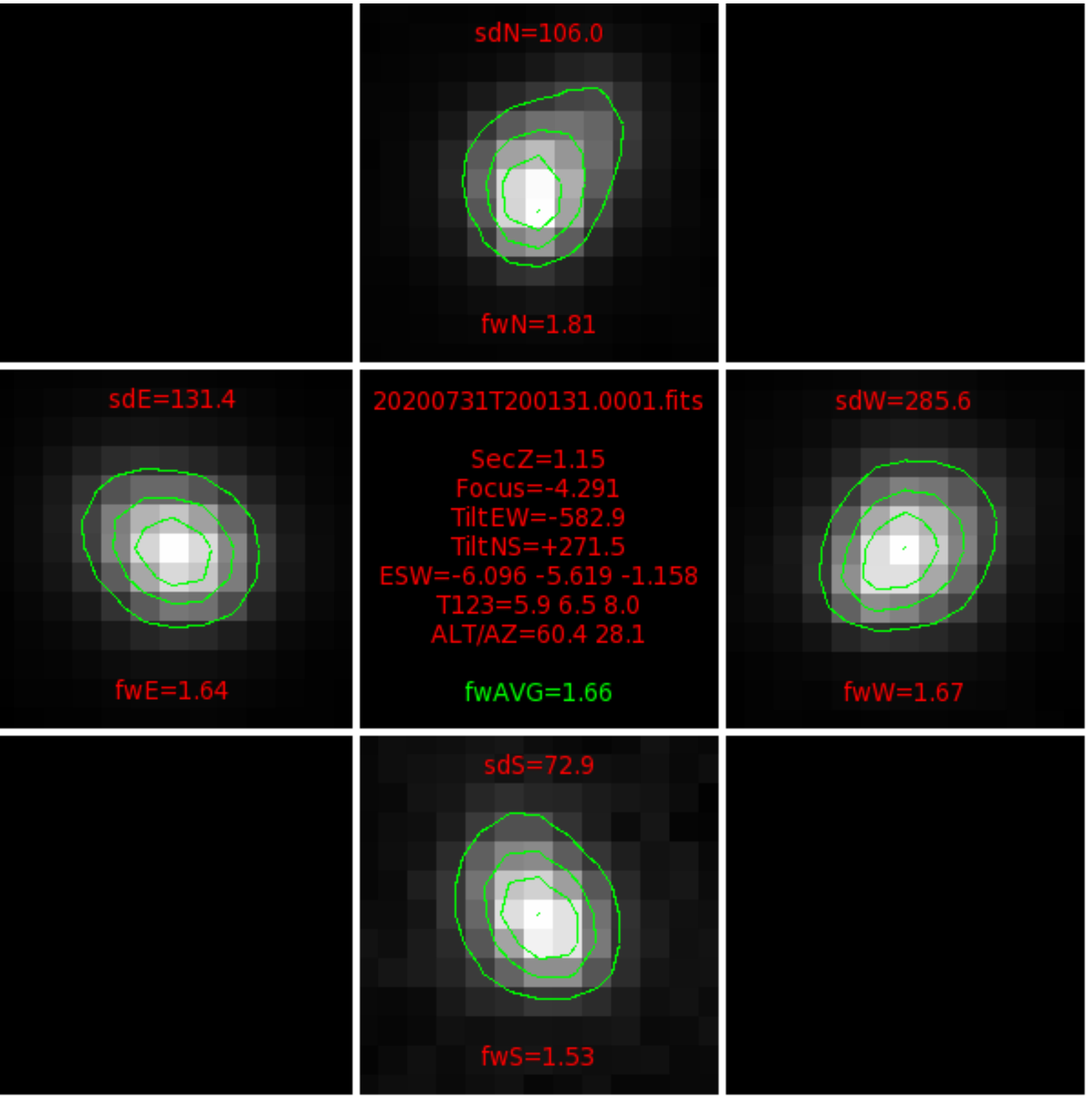
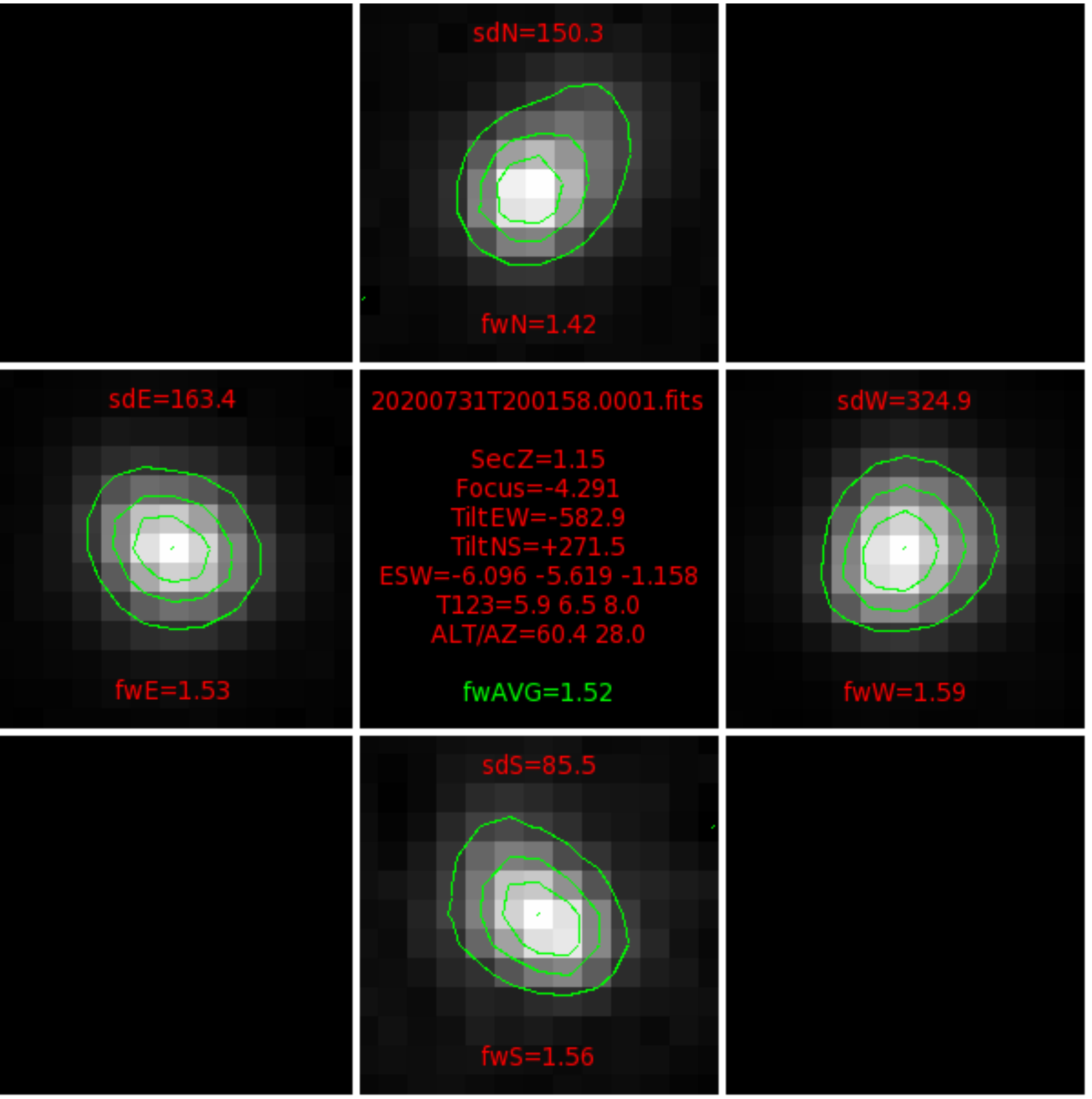

sdN=46.5
fwN=1.78
sdE=62.1
fwE=1.68
20200731T195804.0001.fits
SecZ=1.15
Focus=-4.301
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.106 -5.629 -1.168
T123=5.9 6.5 8.0
ALT/AZ=60.0 28.8
fwAVG=1.73
sdW=96.8
fwW=1.76
sdS=18.1
fwS=1.71
0 0 0 0 0 0 0 0 0


sdN=52.8
fwN=1.81
sdE=72.0
fwE=1.67
20200731T195932.0001.fits
SecZ=1.15
Focus=-4.301
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.106 -5.629 -1.168
T123=5.9 6.5 8.0
ALT/AZ=60.2 28.5
fwAVG=1.71
sdW=124.8
fwW=1.73
sdS=18.2
fwS=1.62
0 0 0 0 0 0 0 0 0


sdN=58.4
fwN=1.72
sdE=74.4
fwE=1.68
20200731T195958.0001.fits
SecZ=1.15
Focus=-4.301
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.106 -5.629 -1.168
T123=5.9 6.5 8.0
ALT/AZ=60.2 28.4
fwAVG=1.66
sdW=160.5
fwW=1.70
sdS=18.6
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=106.0
fwN=1.81
sdE=131.4
fwE=1.64
20200731T200131.0001.fits
SecZ=1.15
Focus=-4.291
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.096 -5.619 -1.158
T123=5.9 6.5 8.0
ALT/AZ=60.4 28.1
fwAVG=1.66
sdW=285.6
fwW=1.67
sdS=72.9
fwS=1.53
0 0 0 0 0 0 0 0 0


sdN=150.3
fwN=1.42
sdE=163.4
fwE=1.53
20200731T200158.0001.fits
SecZ=1.15
Focus=-4.291
TiltEW=-582.9
TiltNS=+271.5
ESW=-6.096 -5.619 -1.158
T123=5.9 6.5 8.0
ALT/AZ=60.4 28.0
fwAVG=1.52
sdW=324.9
fwW=1.59
sdS=85.5
fwS=1.56
0 0 0 0 0 0 0 0 0