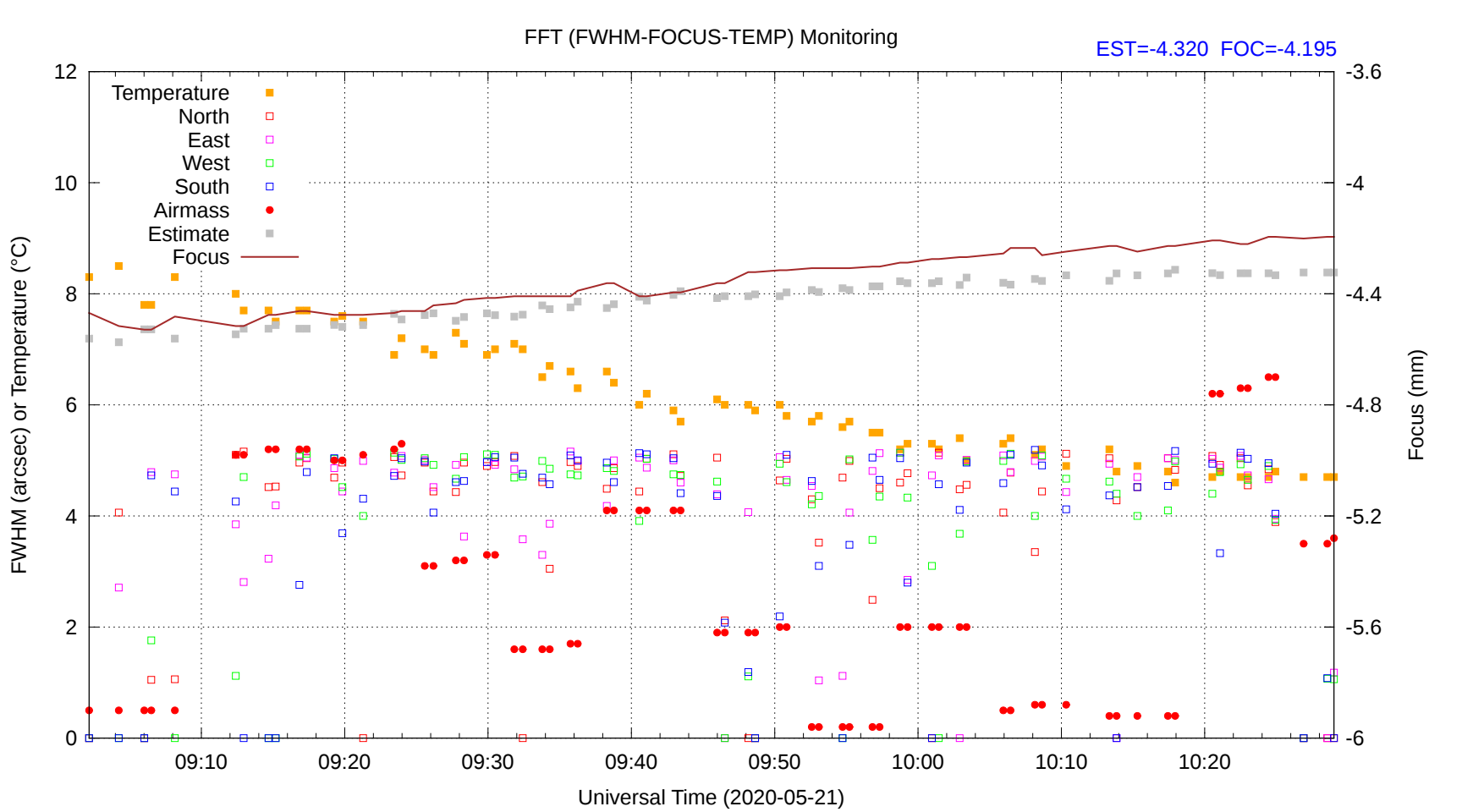
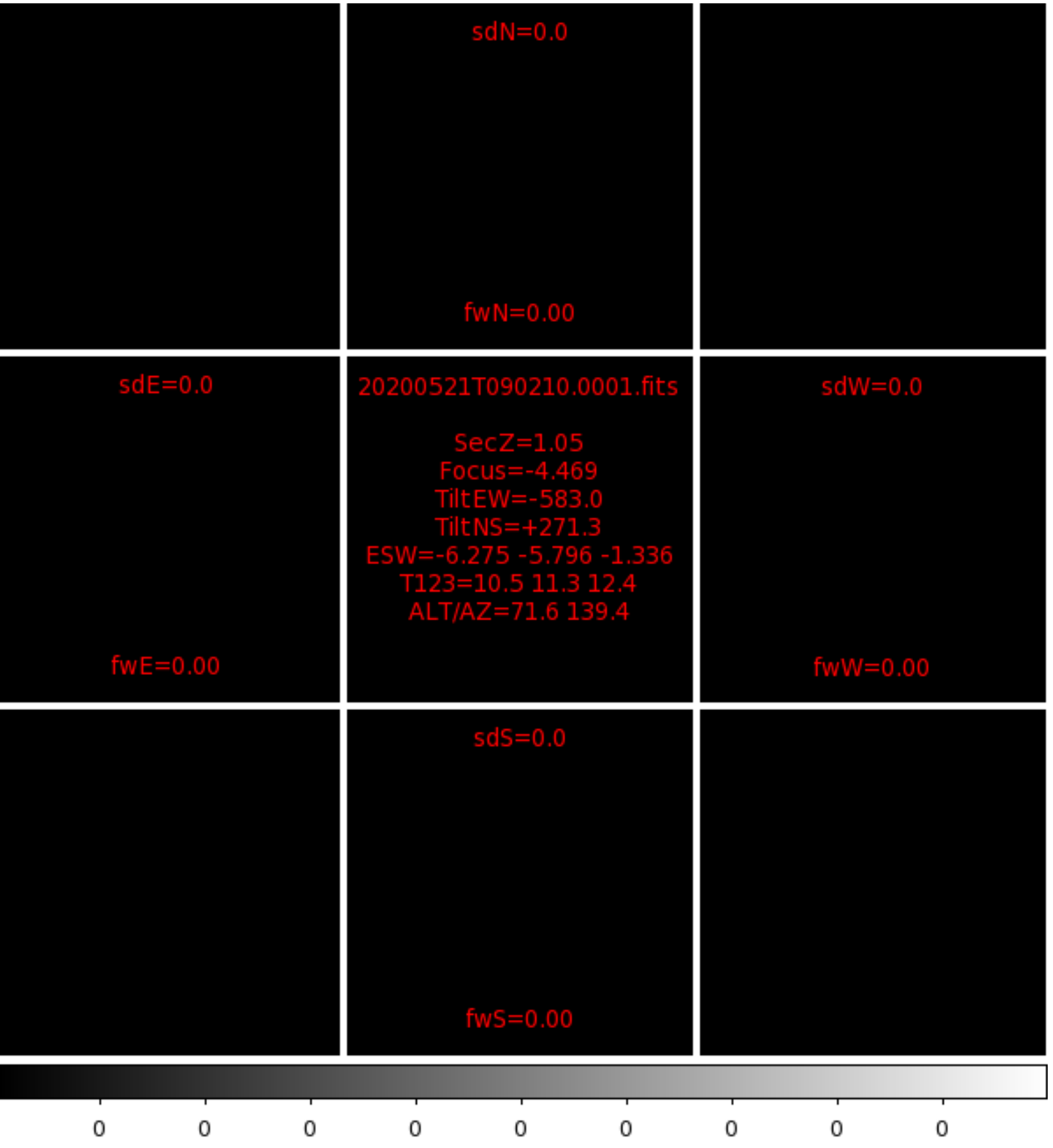
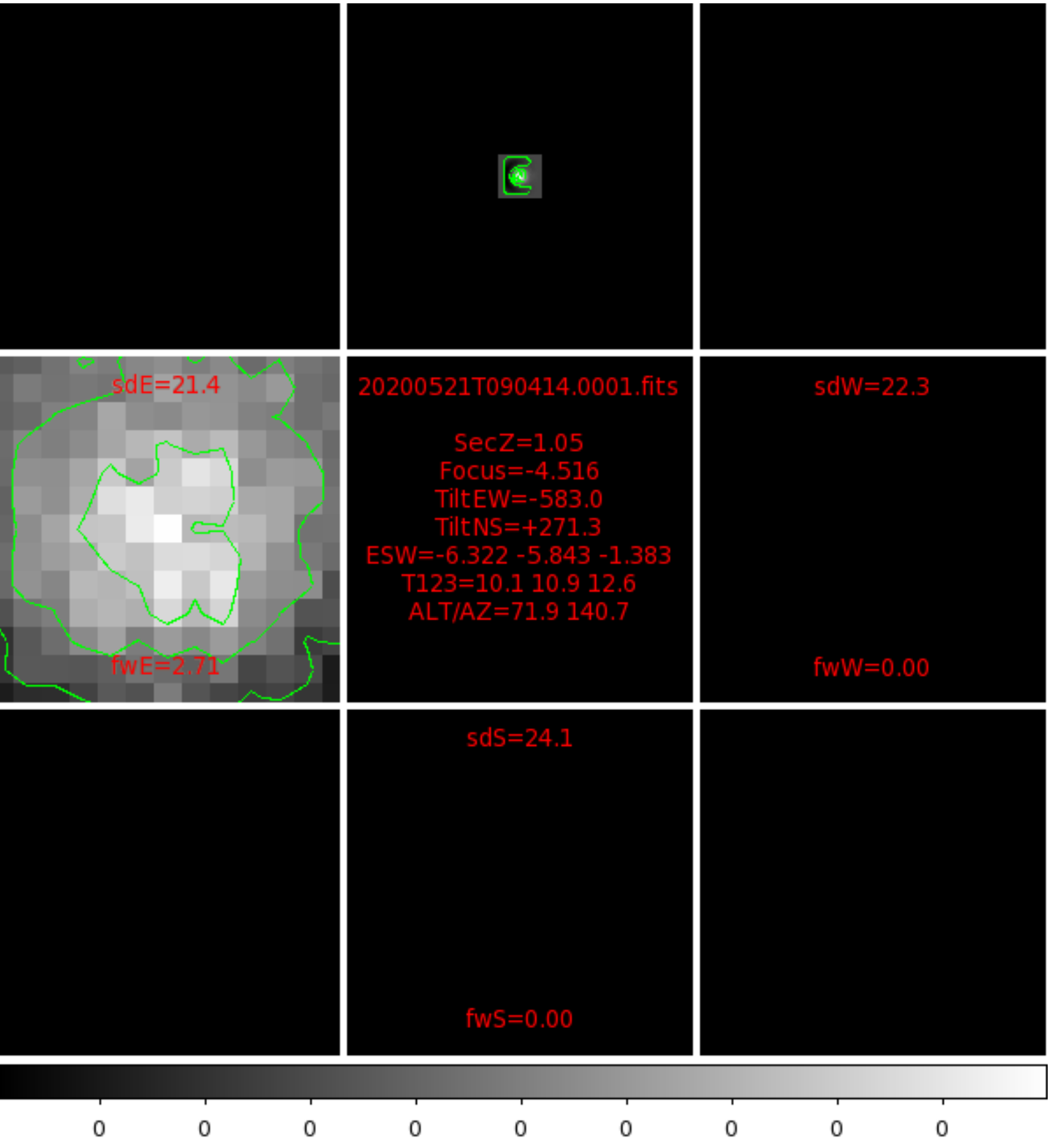
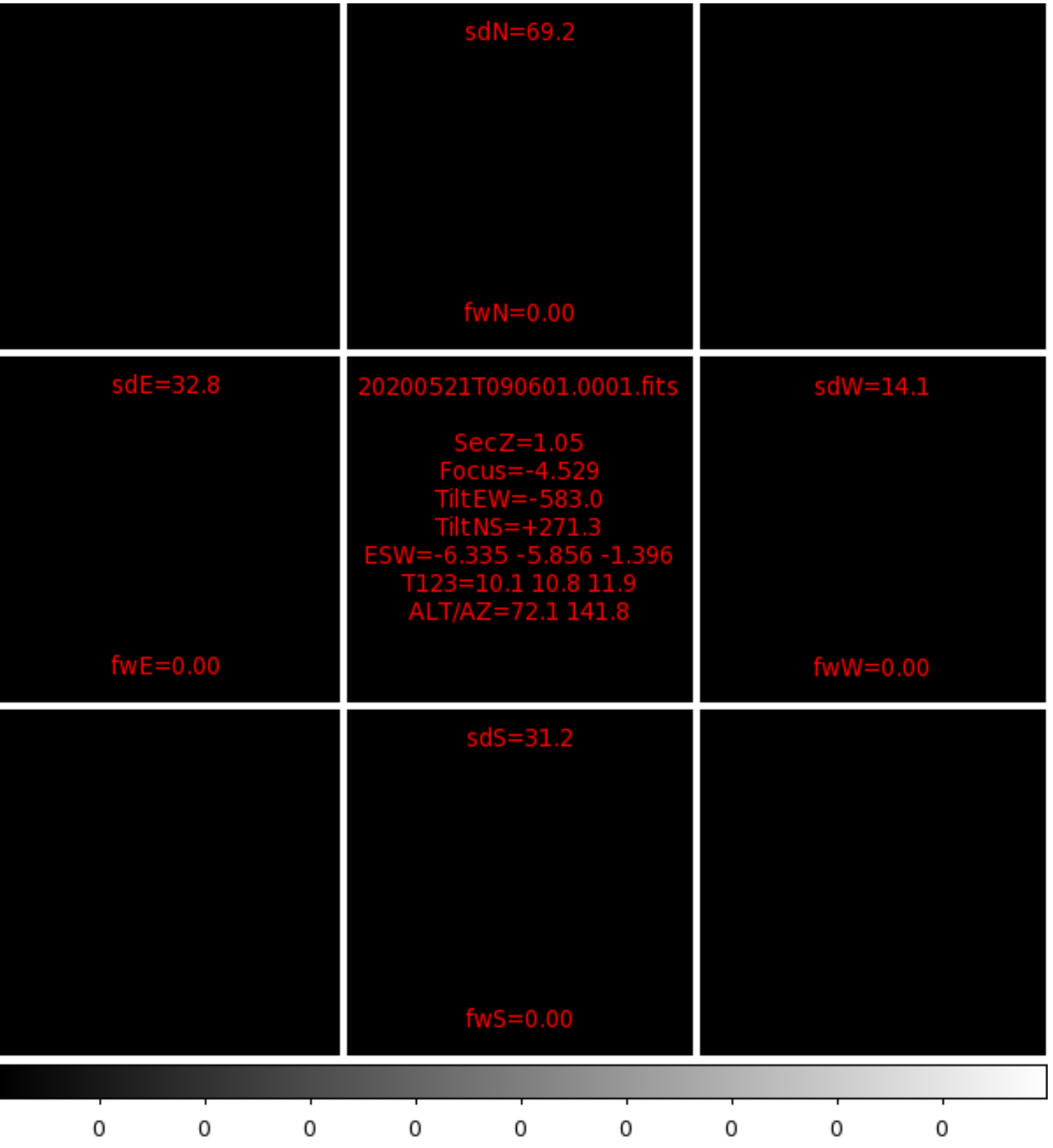
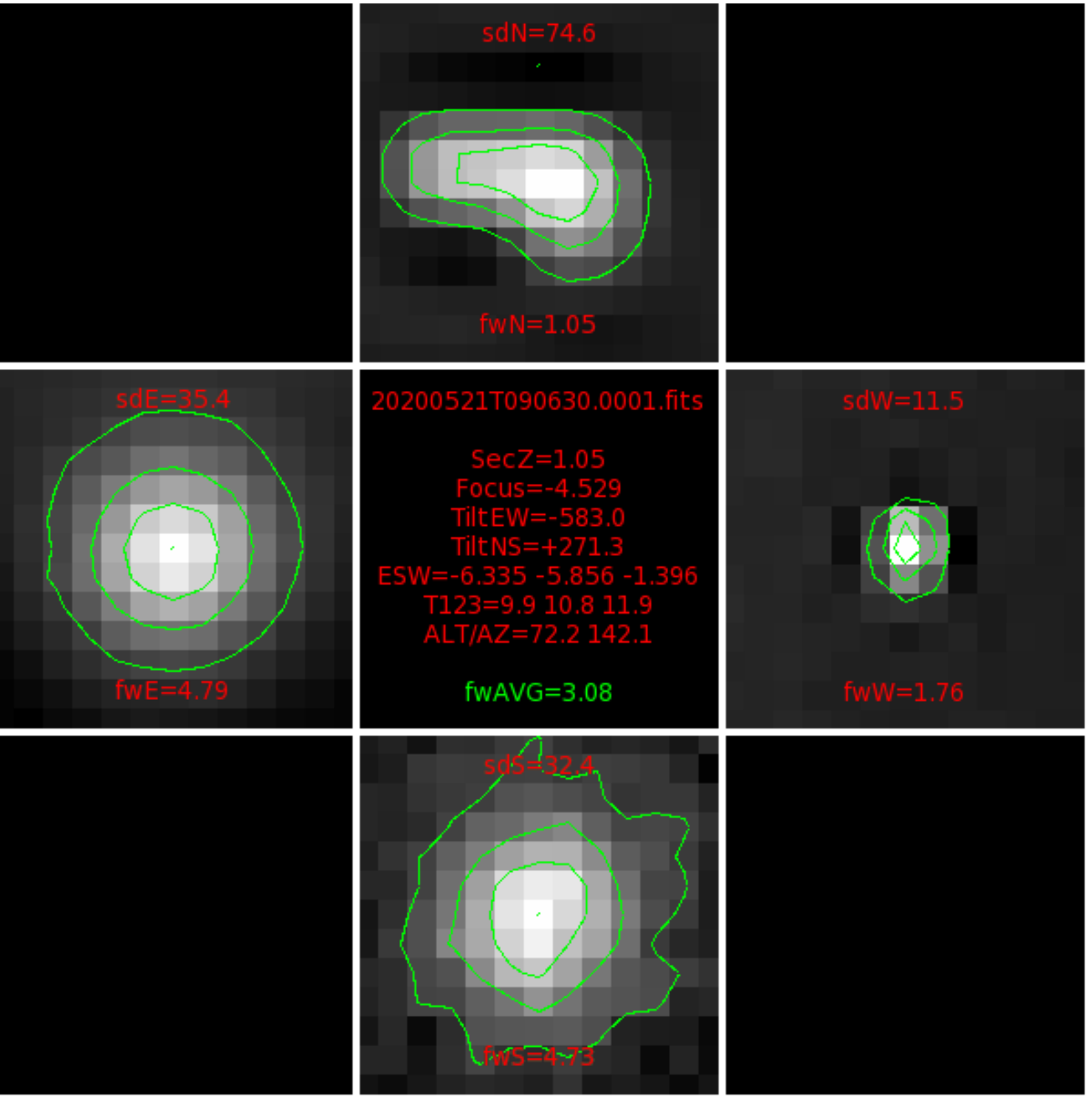

FFT (FWHM-FOCUS-TEMP) Monitoring
EST=-4.320 FOC=-4.195
Temperature
North
East
West
South
Airmass
Estimate
Focus
FWHM (arcsec) or Temperature (°C)
Focus (mm)
Universal Time (2020-05-21)
0
2
4
6
8
10
12
-3.6
-4
-4.4
-4.8
-5.2
-5.6
-6
09:10
09:20
09:30
09:40
09:50
10:00
10:10
10:20


sdN=0.0
fwN=0.00
sdE=0.0
20200521T090210.0001.fits
SecZ=1.05
Focus=-4.469
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.275 -5.796 -1.336
T123=10.5 11.3 12.4
ALT/AZ=71.6 139.4
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
0 0 0 0 0 0 0 0 0


sdE=21.4
20200521T090414.0001.fits
SecZ=1.05
Focus=-4.516
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.322 -5.843 -1.383
T123=10.1 10.9 12.6
ALT/AZ=71.9 140.7
sdW=22.3
fwE=2.71
fwW=0.00
sdS=24.1
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=69.2
fwN=0.00
sdE=32.8
20200521T090601.0001.fits
SecZ=1.05
Focus=-4.529
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.335 -5.856 -1.396
T123=10.1 10.8 11.9
ALT/AZ=72.1 141.8
sdW=14.1
fwE=0.00
fwW=0.00
sdS=31.2
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=74.6
fwN=1.05
sdE=35.4
fwE=4.79
20200521T090630.0001.fits
SecZ=1.05
Focus=-4.529
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.335 -5.856 -1.396
T123=9.9 10.8 11.9
ALT/AZ=72.2 142.1
fwAVG=3.08
sdW=11.5
fwW=1.76
sdS=32.4
fwS=4.73
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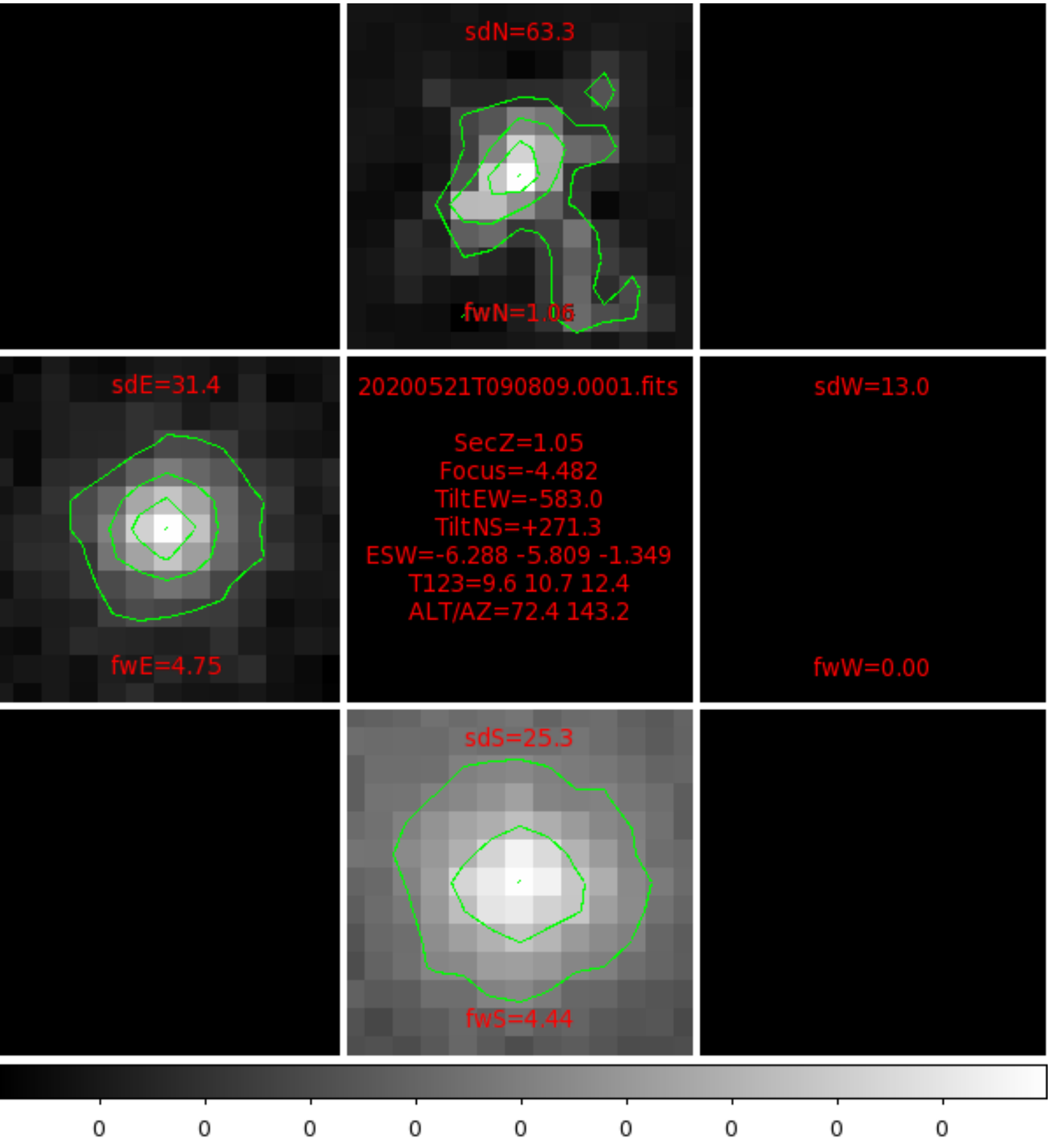
sdN=63.3
fwN=1.06
sdE=31.4
fwE=4.75
20200521T090809.0001.fits
SecZ=1.05
Focus=-4.482
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.288 -5.809 -1.349
T123=9.6 10.7 12.4
ALT/AZ=72.4 143.2
sdW=13.0
fwW=0.00
sdS=25.3
fwS=4.44
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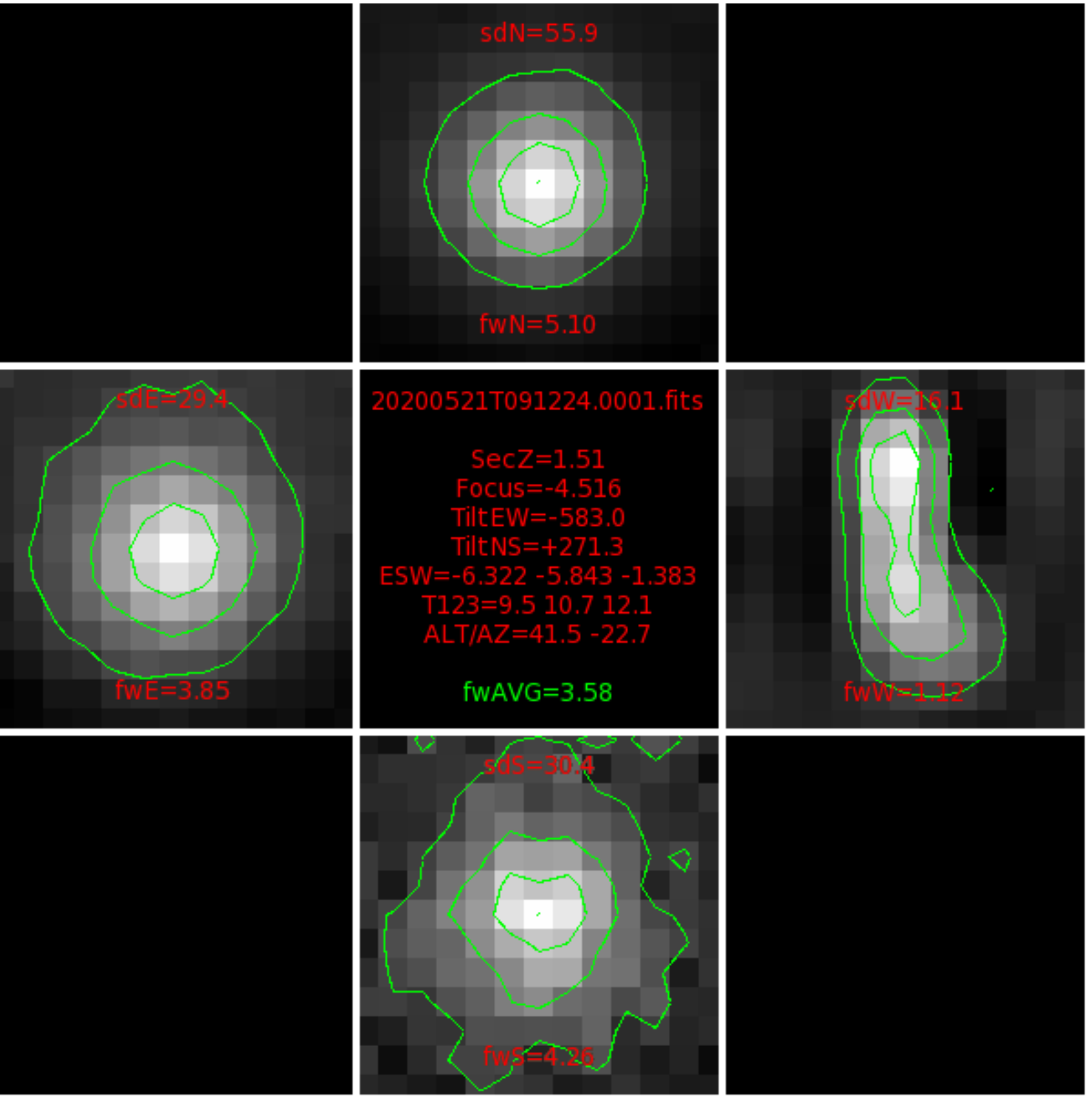
sdN=55.9
fwN=5.10
sdE=29.4
fwE=3.85
20200521T091224.0001.fits
SecZ=1.51
Focus=-4.516
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.322 -5.843 -1.383
T123=9.5 10.7 12.1
ALT/AZ=41.5 -22.7
fwAVG=3.58
sdW=16.1
fwW=1.12
sdS=30.4
fwS=4.26
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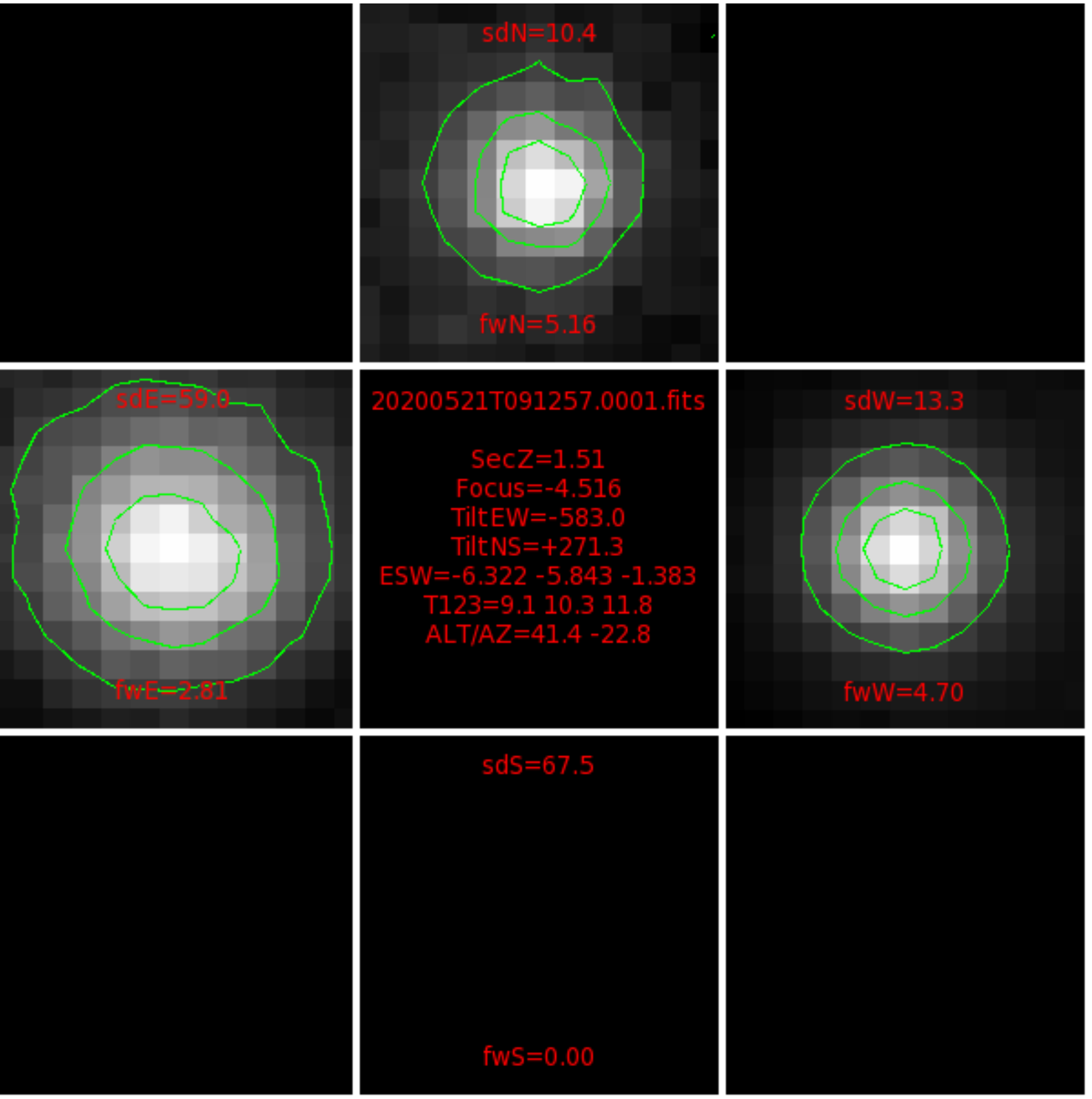
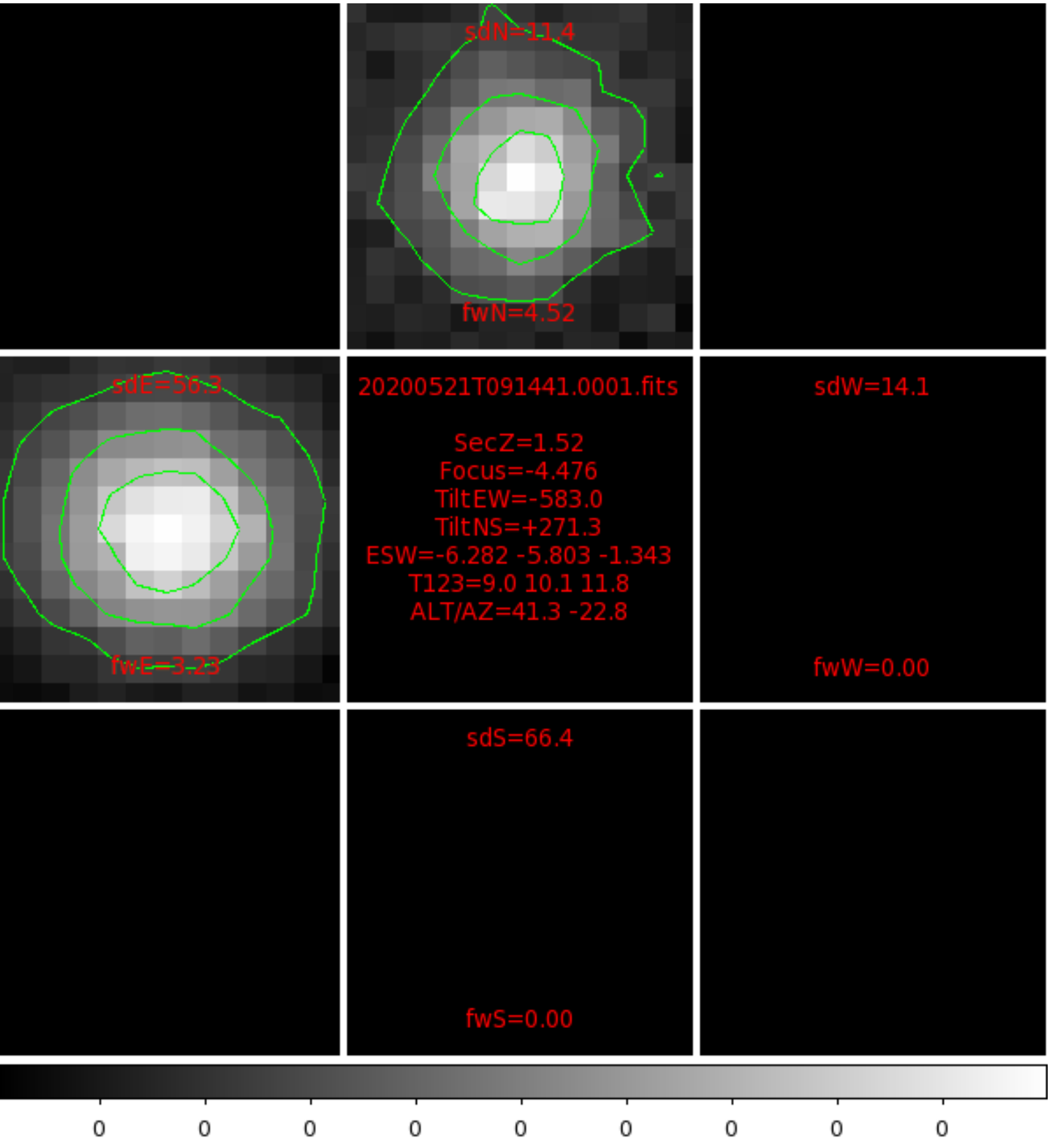
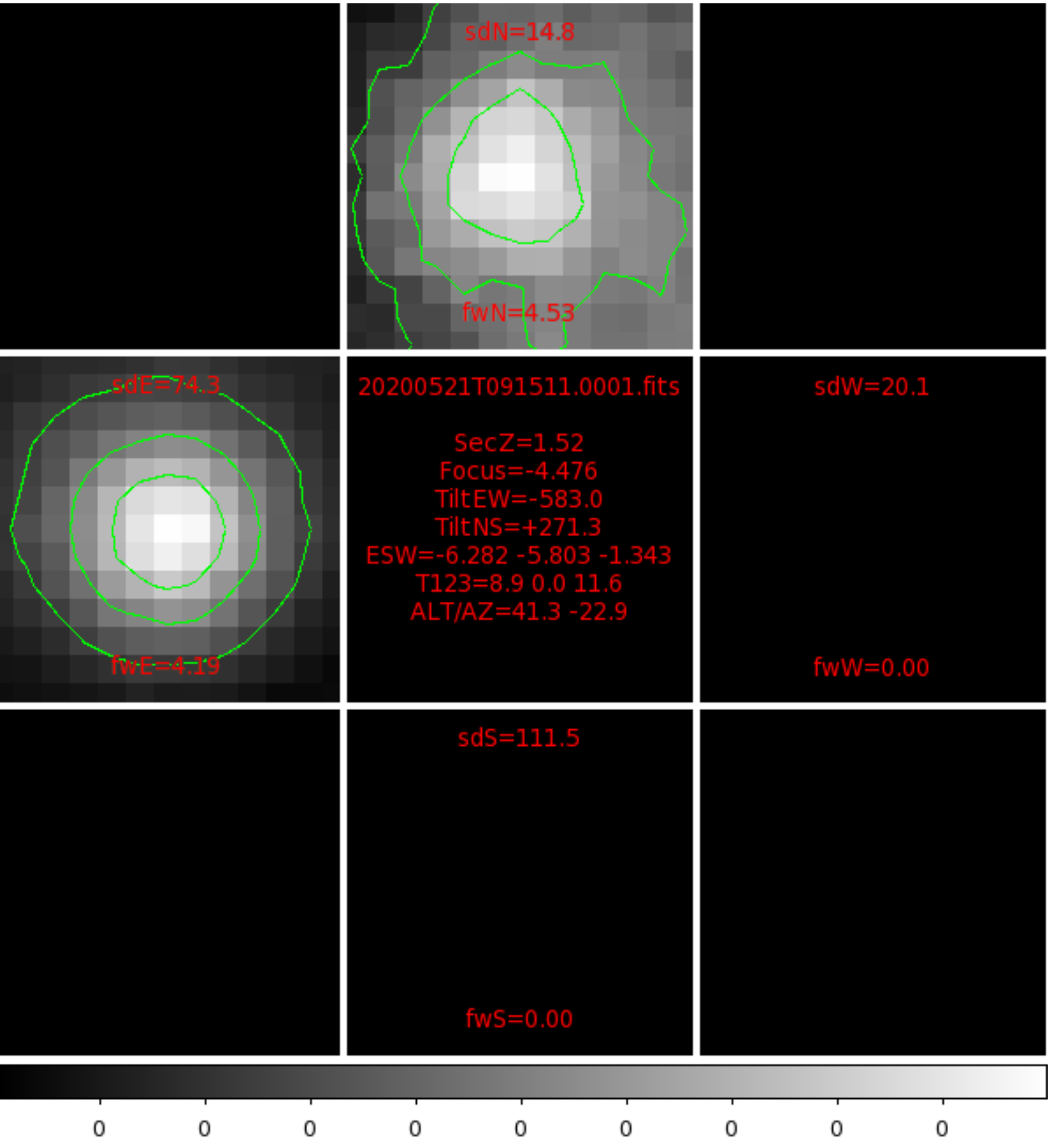
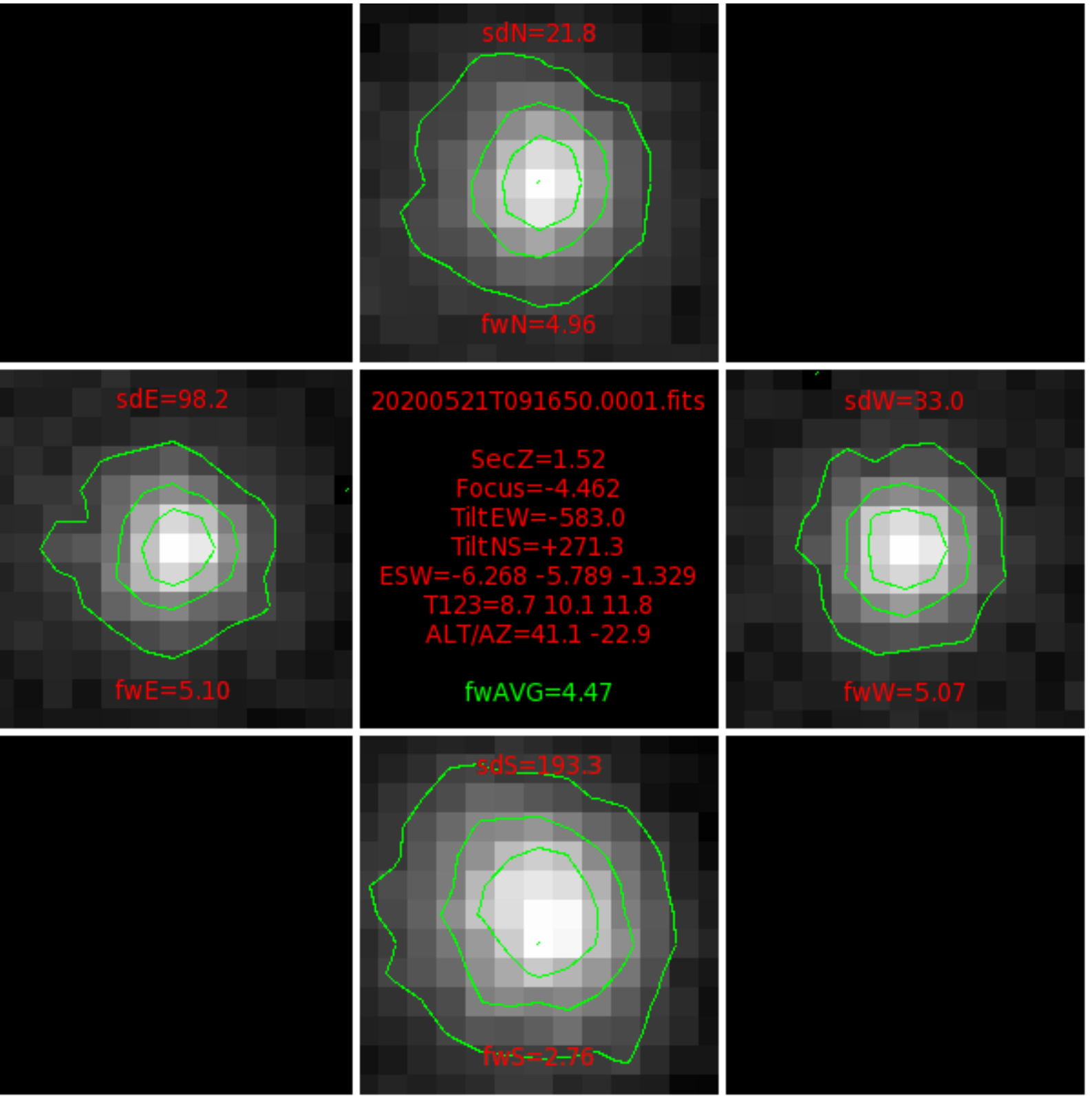

sdN=10.4
fwN=5.16
sdE=59.0
fwE=2.81
20200521T091257.0001.fits
SecZ=1.51
Focus=-4.516
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.322 -5.843 -1.383
T123=9.1 10.3 11.8
ALT/AZ=41.4 -22.8
sdW=13.3
fwW=4.70
sdS=67.5
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=11.4
fwN=4.52
sdE=56.3
fwE=3.23
20200521T091441.0001.fits
SecZ=1.52
Focus=-4.476
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.282 -5.803 -1.343
T123=9.0 10.1 11.8
ALT/AZ=41.3 -22.8
sdW=14.1
fwW=0.00
sdS=66.4
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=14.8
fwN=4.53
sdE=74.3
fwE=4.19
20200521T091511.0001.fits
SecZ=1.52
Focus=-4.476
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.282 -5.803 -1.343
T123=8.9 0.0 11.6
ALT/AZ=41.3 -22.9
sdW=20.1
fwW=0.00
sdS=111.5
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=21.8
fwN=4.96
sdE=98.2
fwE=5.10
20200521T091650.0001.fits
SecZ=1.52
Focus=-4.462
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.268 -5.789 -1.329
T123=8.7 10.1 11.8
ALT/AZ=41.1 -22.9
fwAVG=4.47
sdW=33.0
fwW=5.07
sdS=193.3
fwS=2.76
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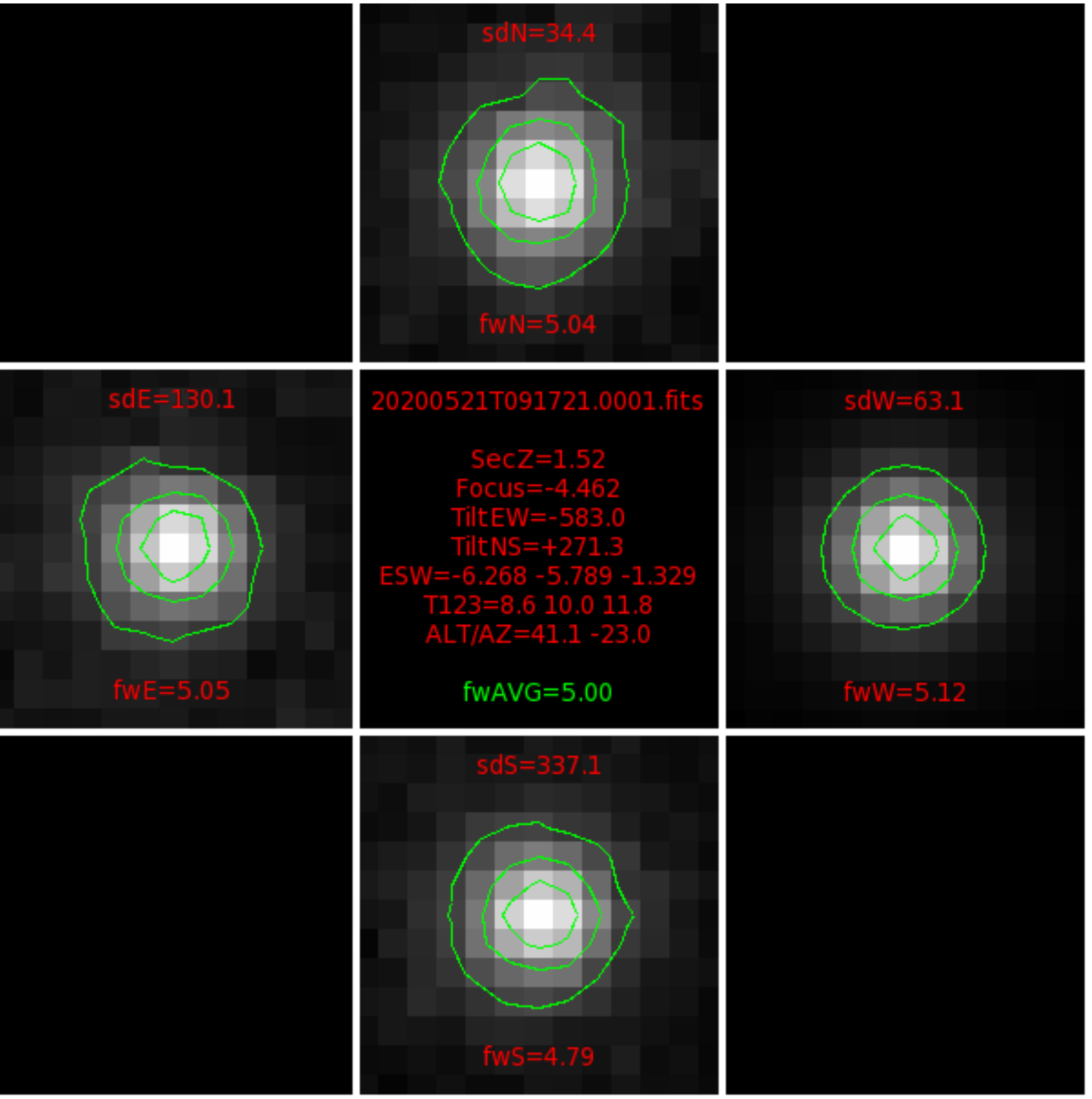
sdN=34.4
fwN=5.04
sdE=130.1
fwE=5.05
20200521T091721.0001.fits
SecZ=1.52
Focus=-4.462
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.268 -5.789 -1.329
T123=8.6 10.0 11.8
ALT/AZ=41.1 -23.0
fwAVG=5.00
sdW=63.1
fwW=5.12
sdS=337.1
fwS=4.79
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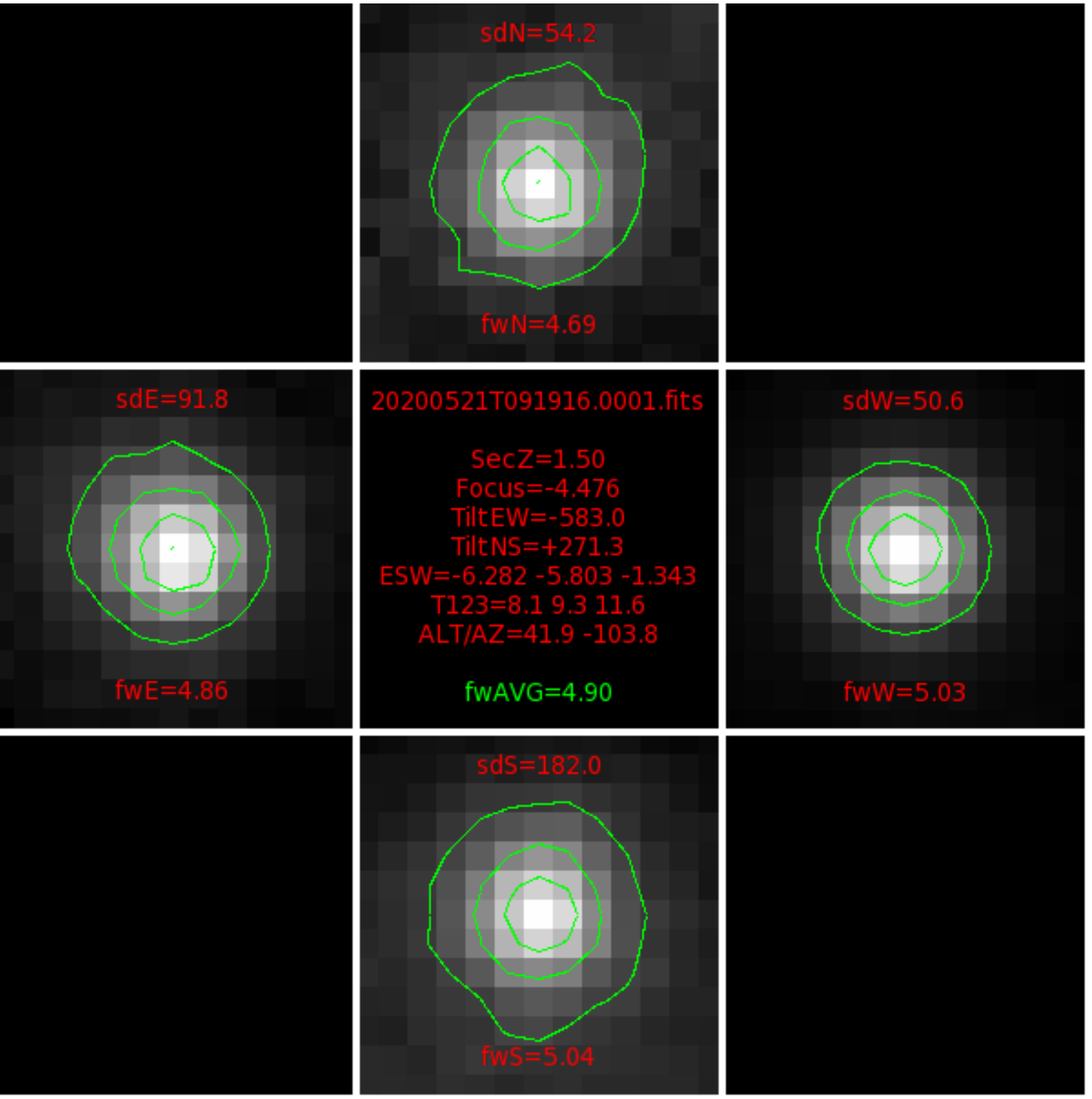
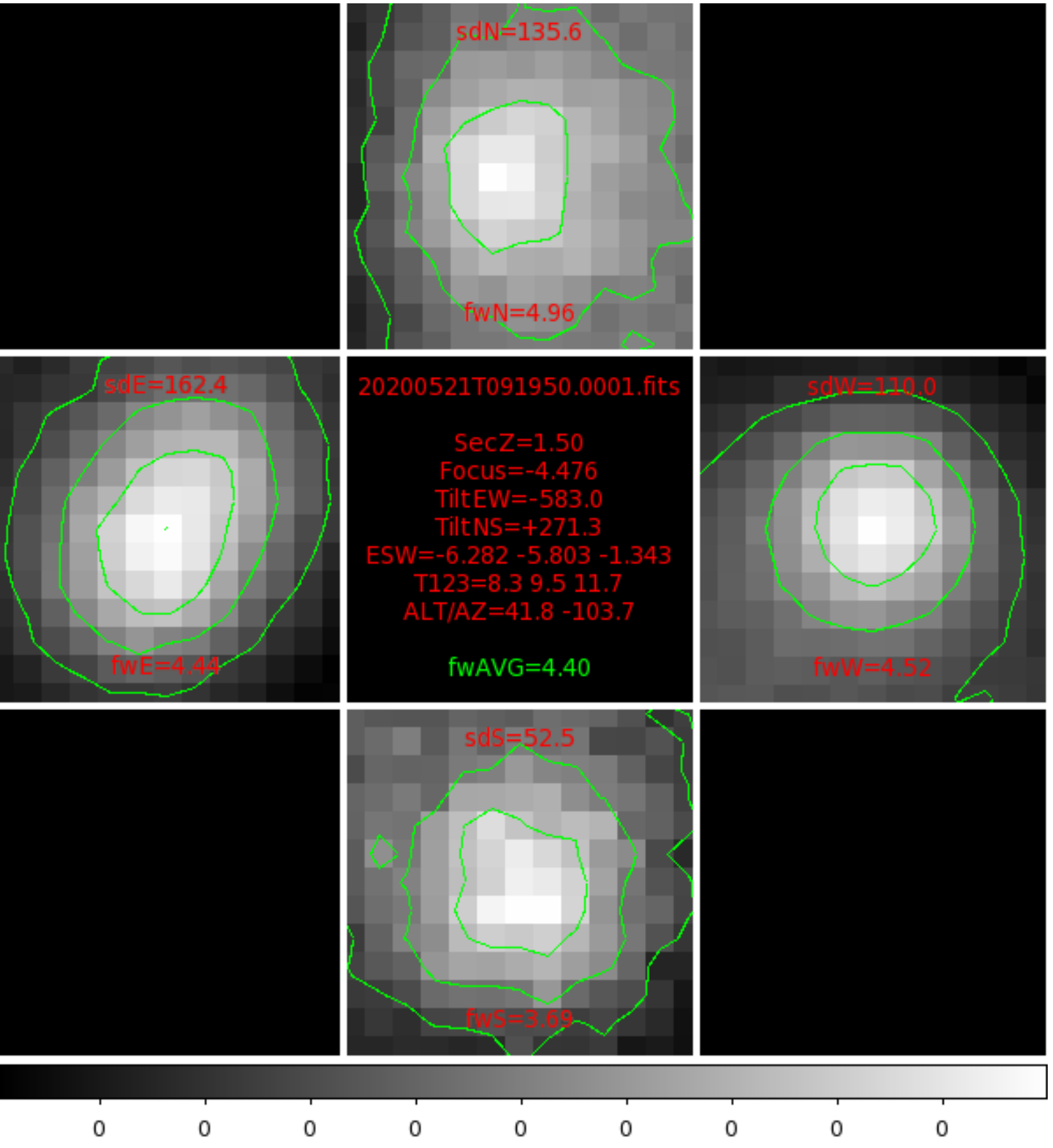

sdN=54.2
fwN=4.69
sdE=91.8
fwE=4.86
20200521T091916.0001.fits
SecZ=1.50
Focus=-4.476
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.282 -5.803 -1.343
T123=8.1 9.3 11.6
ALT/AZ=41.9 -103.8
fwAVG=4.90
sdW=50.6
fwW=5.03
sdS=182.0
fwS=5.04
0 0 0 0 0 0 0 0 0


sdN=135.6
fwN=4.96
sdE=162.4
fwE=4.44
20200521T091950.0001.fits
SecZ=1.50
Focus=-4.476
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.282 -5.803 -1.343
T123=8.3 9.5 11.7
ALT/AZ=41.8 -103.7
fwAVG=4.40
sdW=110.0
fwW=4.52
sdS=52.5
fwS=3.69
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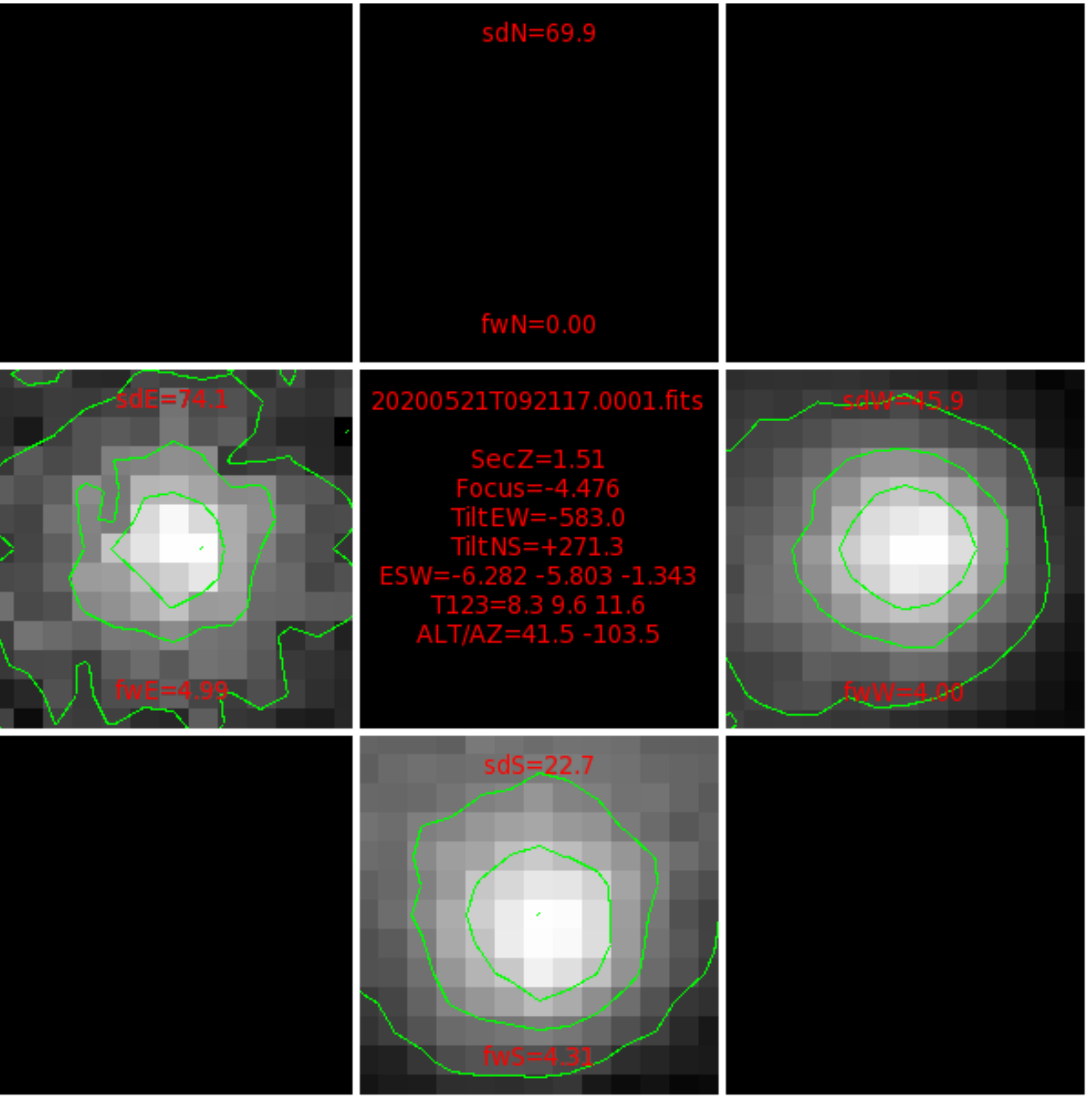
sdN=69.9
fwN=0.00
sdE=74.1
20200521T092117.0001.fits
SecZ=1.51
Focus=-4.476
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.282 -5.803 -1.343
T123=8.3 9.6 11.6
ALT/AZ=41.5 -103.5
sdW=45.9
fwE=4.99
fwW=4.00
sdS=22.7
fwS=4.31
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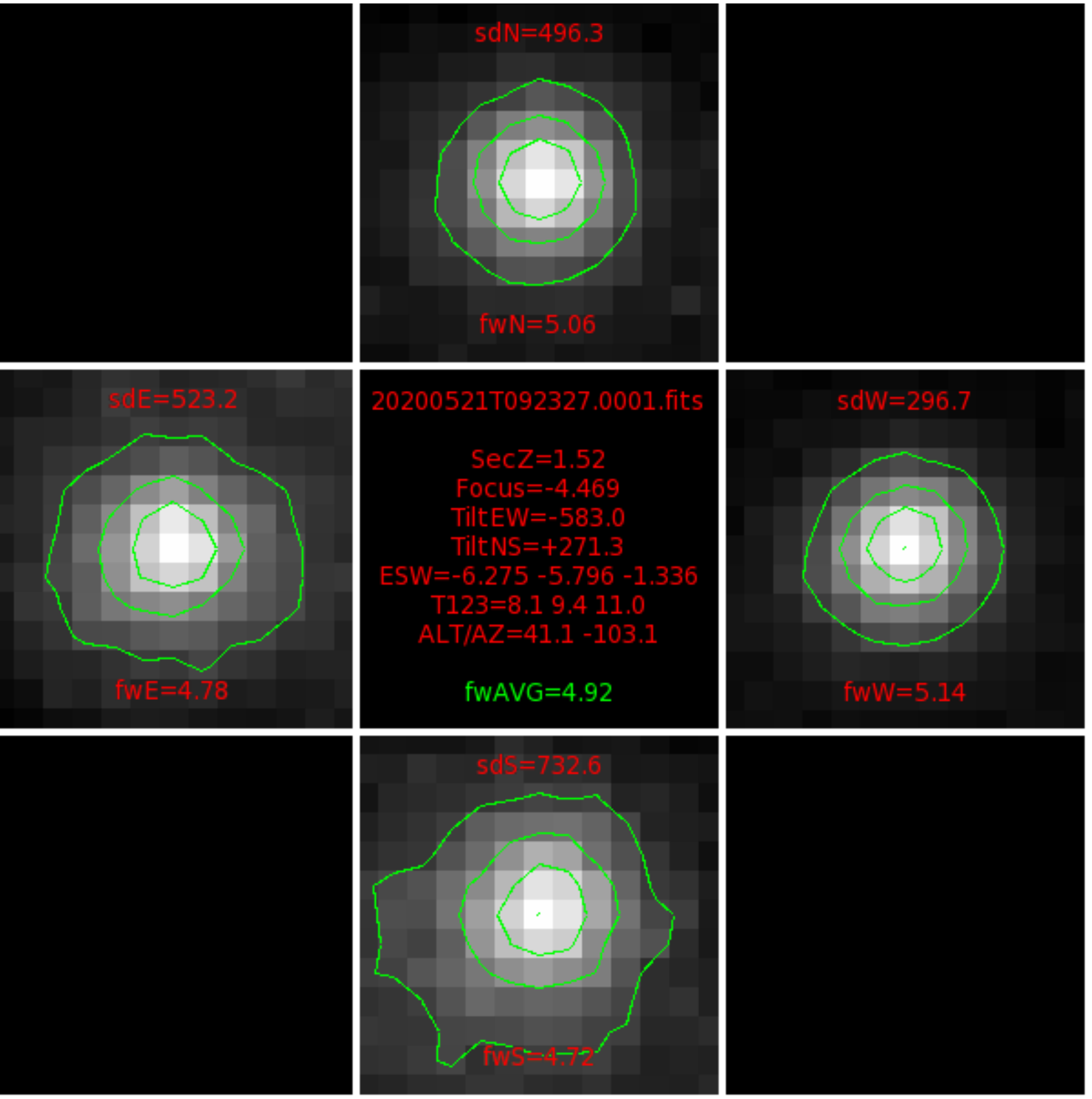
sdN=496.3
fwN=5.06
sdE=523.2
fwE=4.78
20200521T092327.0001.fits
SecZ=1.52
Focus=-4.469
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.275 -5.796 -1.336
T123=8.1 9.4 11.0
ALT/AZ=41.1 -103.1
fwAVG=4.92
sdW=296.7
fwW=5.14
sdS=732.6
fwS=4.72
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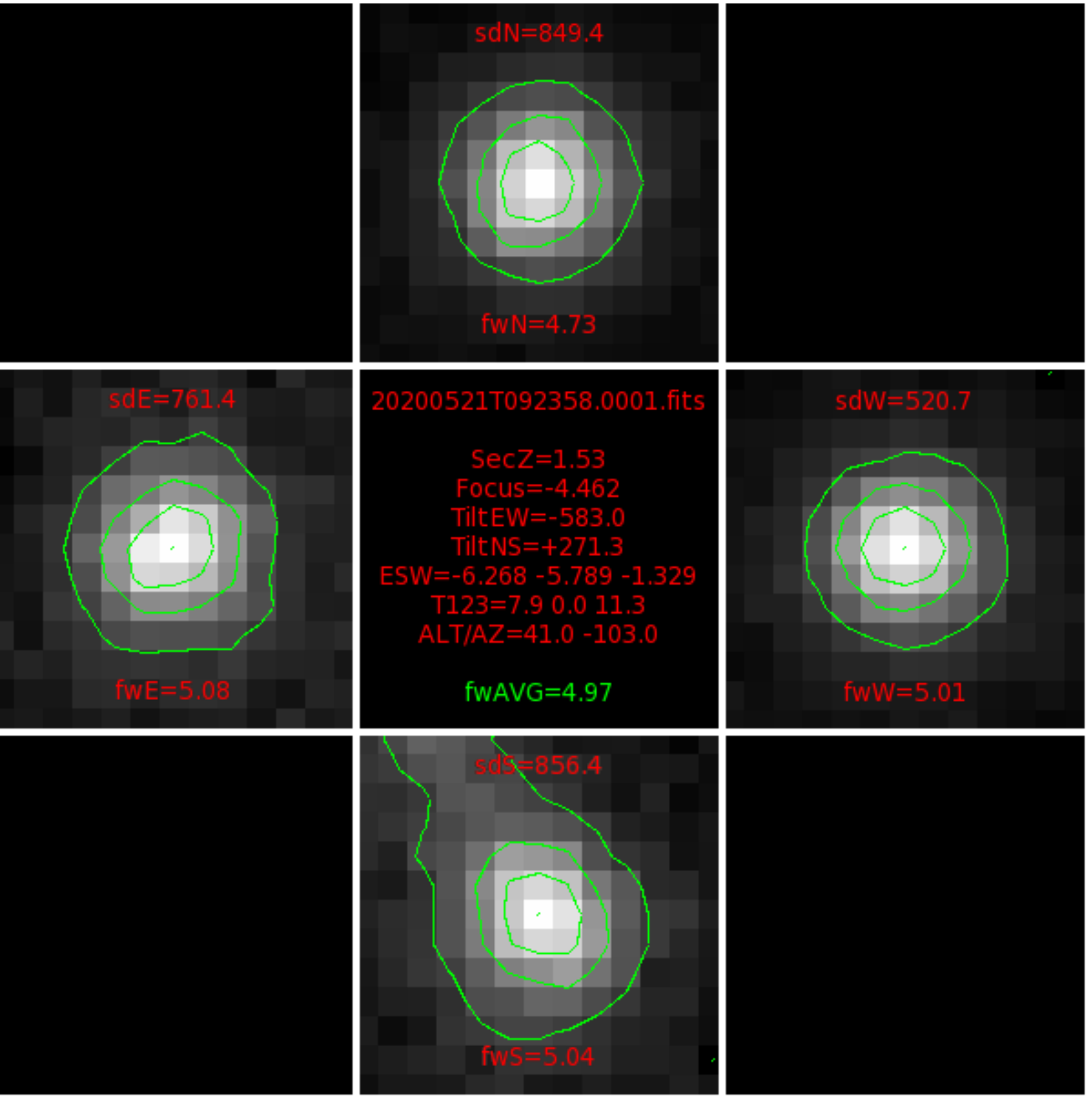
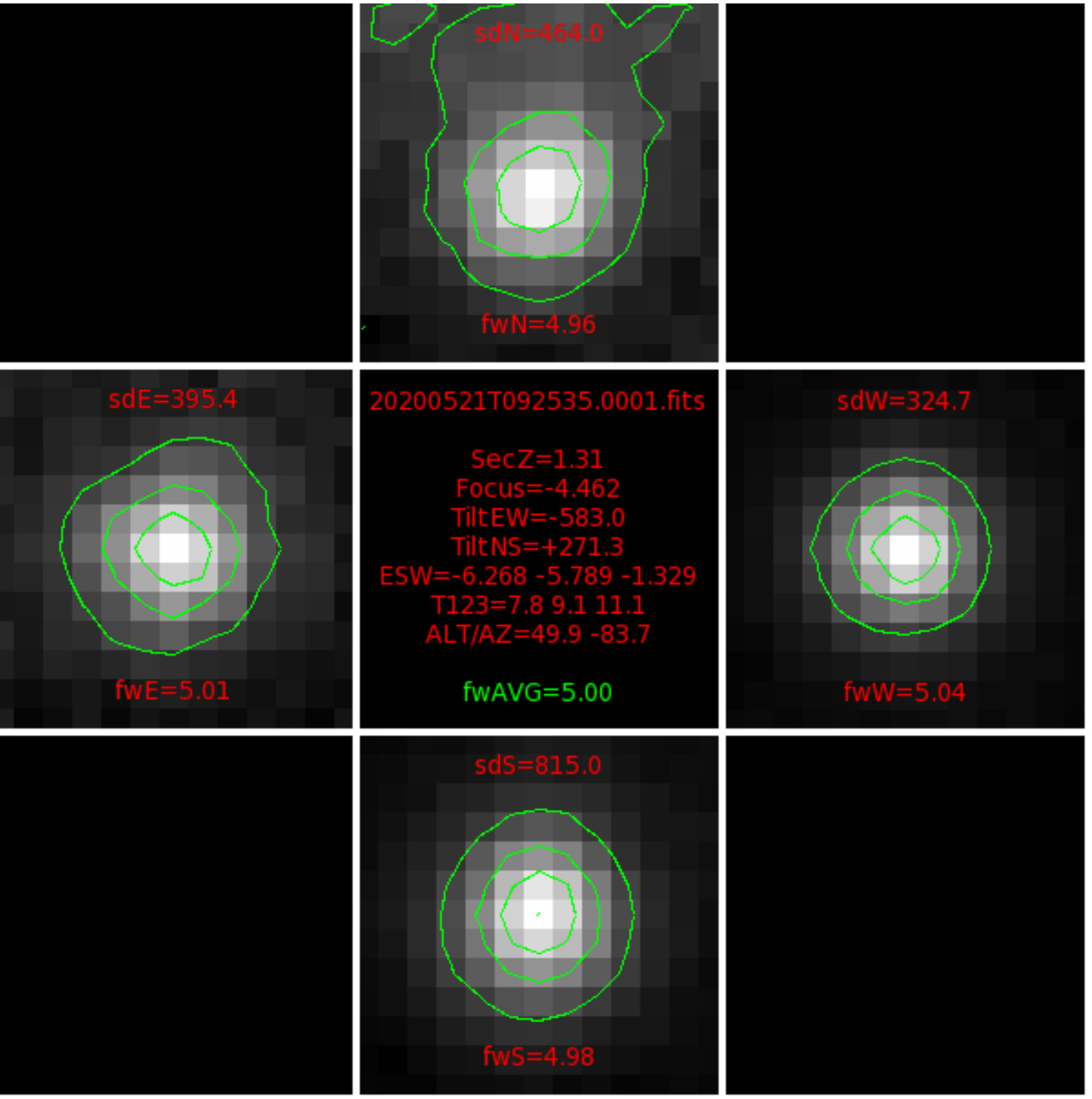
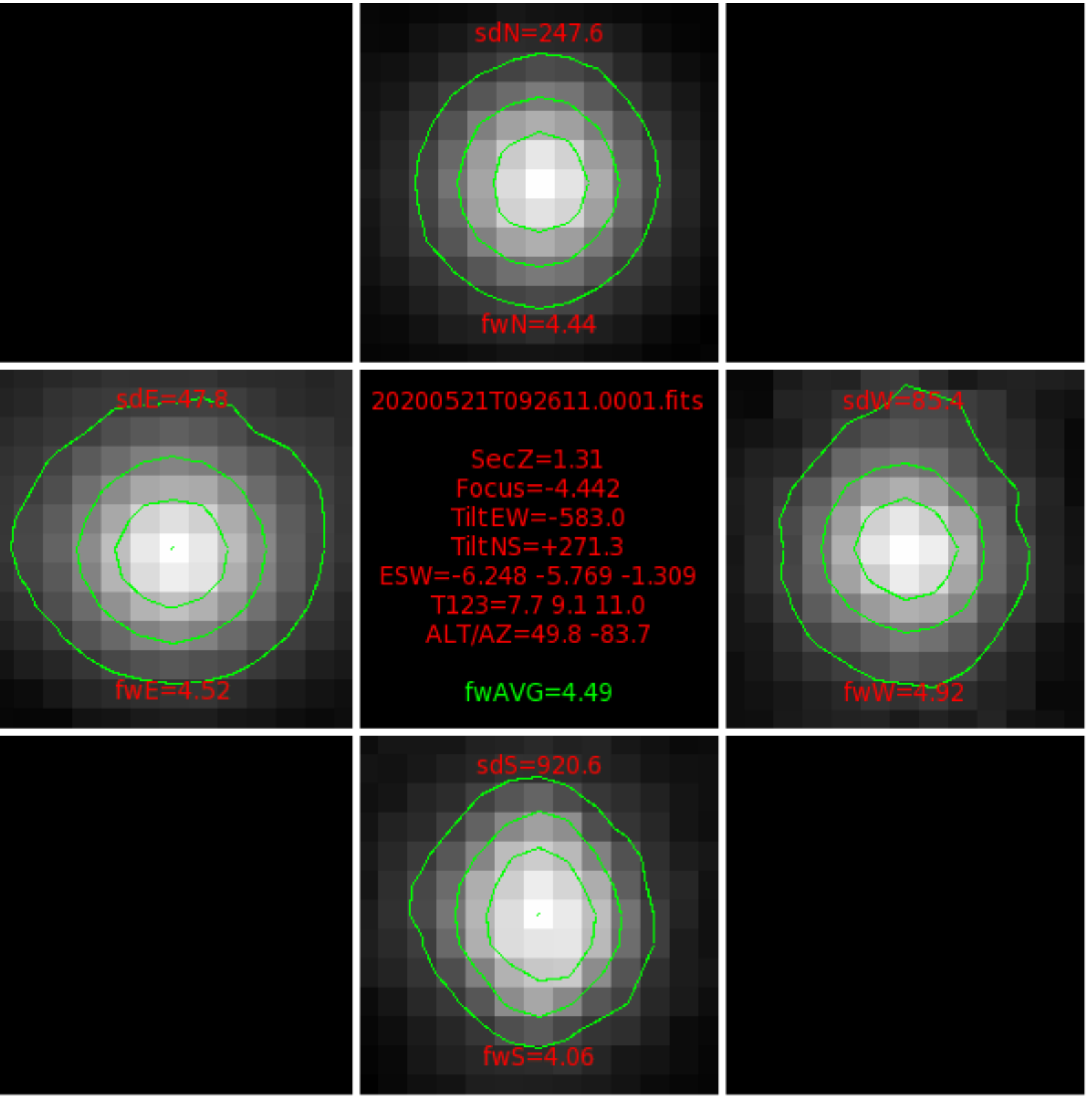

sdN=849.4
fwN=4.73
sdE=761.4
fwE=5.08
20200521T092358.0001.fits
SecZ=1.53
Focus=-4.462
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.268 -5.789 -1.329
T123=7.9 0.0 11.3
ALT/AZ=41.0 -103.0
fwAVG=4.97
sdW=520.7
fwW=5.01
sdS=856.4
fwS=5.04
0 0 0 0 0 0 0 0 0


sdN=464.0
fwN=4.96
sdE=395.4
fwE=5.01
20200521T092535.0001.fits
SecZ=1.31
Focus=-4.462
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.268 -5.789 -1.329
T123=7.8 9.1 11.1
ALT/AZ=49.9 -83.7
fwAVG=5.00
sdW=324.7
fwW=5.04
sdS=815.0
fwS=4.98
0 0 0 0 0 0 0 0 0


sdN=247.6
fwN=4.44
sdE=47.8
fwE=4.52
20200521T092611.0001.fits
SecZ=1.31
Focus=-4.442
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.248 -5.769 -1.309
T123=7.7 9.1 11.0
ALT/AZ=49.8 -83.7
fwAVG=4.49
sdW=85.4
fwW=4.92
sdS=920.6
fwS=4.06
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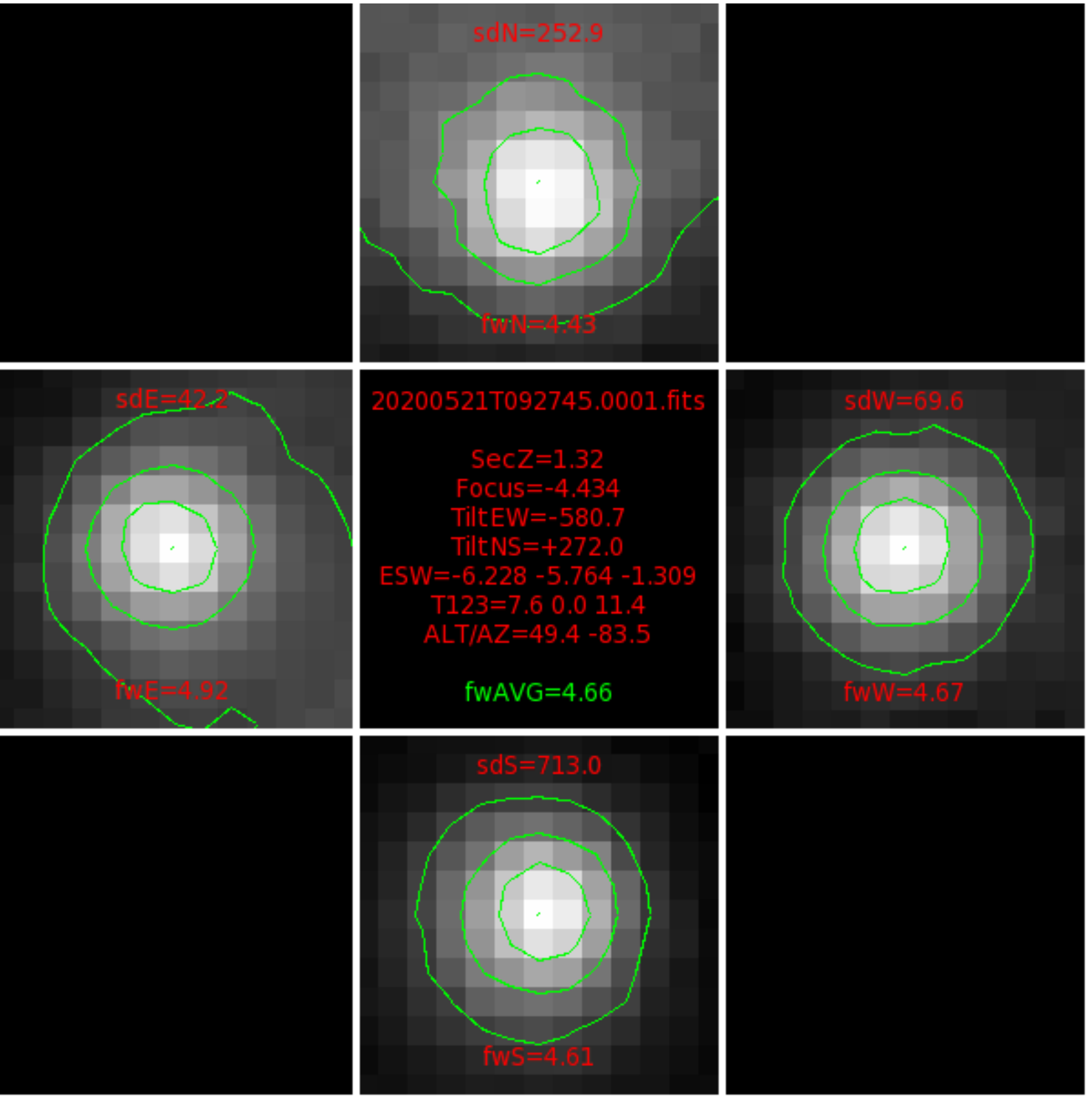
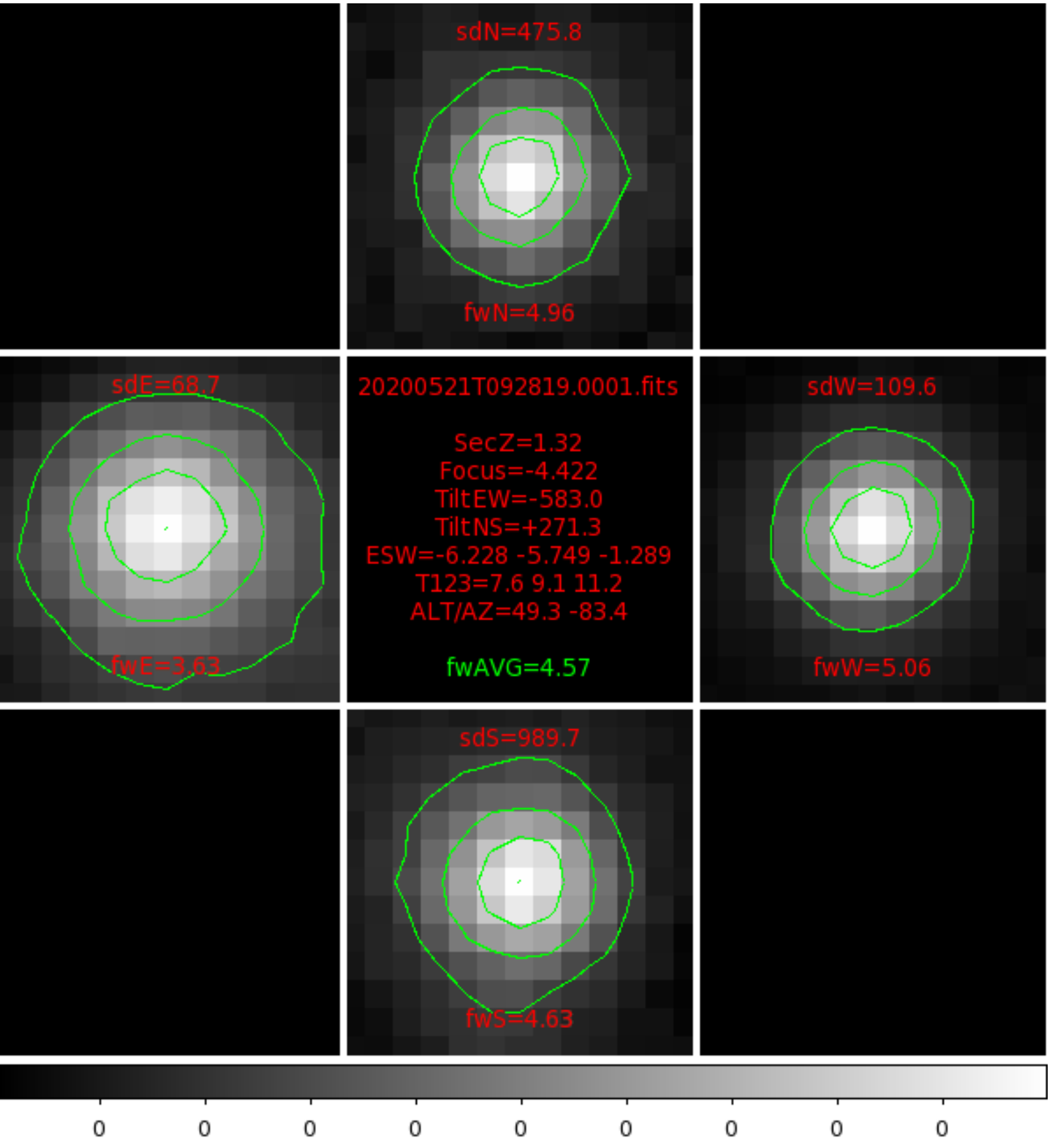

sdN=252.9
fwN=4.43
sdE=42.2
fwE=4.92
20200521T092745.0001.fits
SecZ=1.32
Focus=-4.434
TiltEW=-580.7
TiltNS=+272.0
ESW=-6.228 -5.764 -1.309
T123=7.6 0.0 11.4
ALT/AZ=49.4 -83.5
fwAVG=4.66
sdW=69.6
fwW=4.67
sdS=713.0
fwS=4.61
0 0 0 0 0 0 0 0 0


sdN=475.8
fwN=4.96
sdE=68.7
fwE=3.63
20200521T092819.0001.fits
SecZ=1.32
Focus=-4.422
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.228 -5.749 -1.289
T123=7.6 9.1 11.2
ALT/AZ=49.3 -83.4
fwAVG=4.57
sdW=109.6
fwW=5.06
sdS=989.7
fwS=4.63
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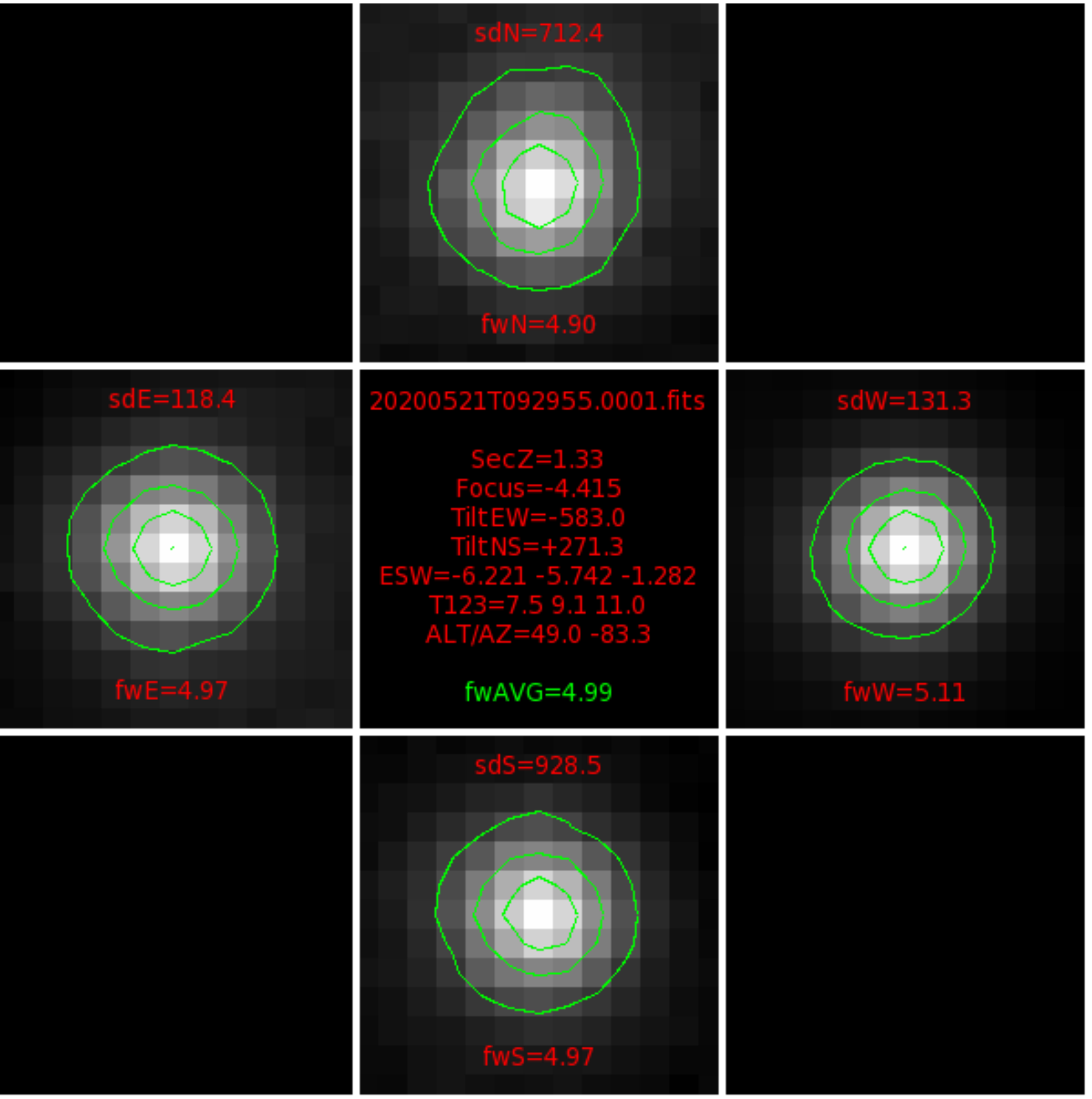
sdN=712.4
fwN=4.90
sdE=118.4
fwE=4.97
20200521T092955.0001.fits
SecZ=1.33
Focus=-4.415
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.221 -5.742 -1.282
T123=7.5 9.1 11.0
ALT/AZ=49.0 -83.3
fwAVG=4.99
sdW=131.3
fwW=5.11
sdS=928.5
fwS=4.97
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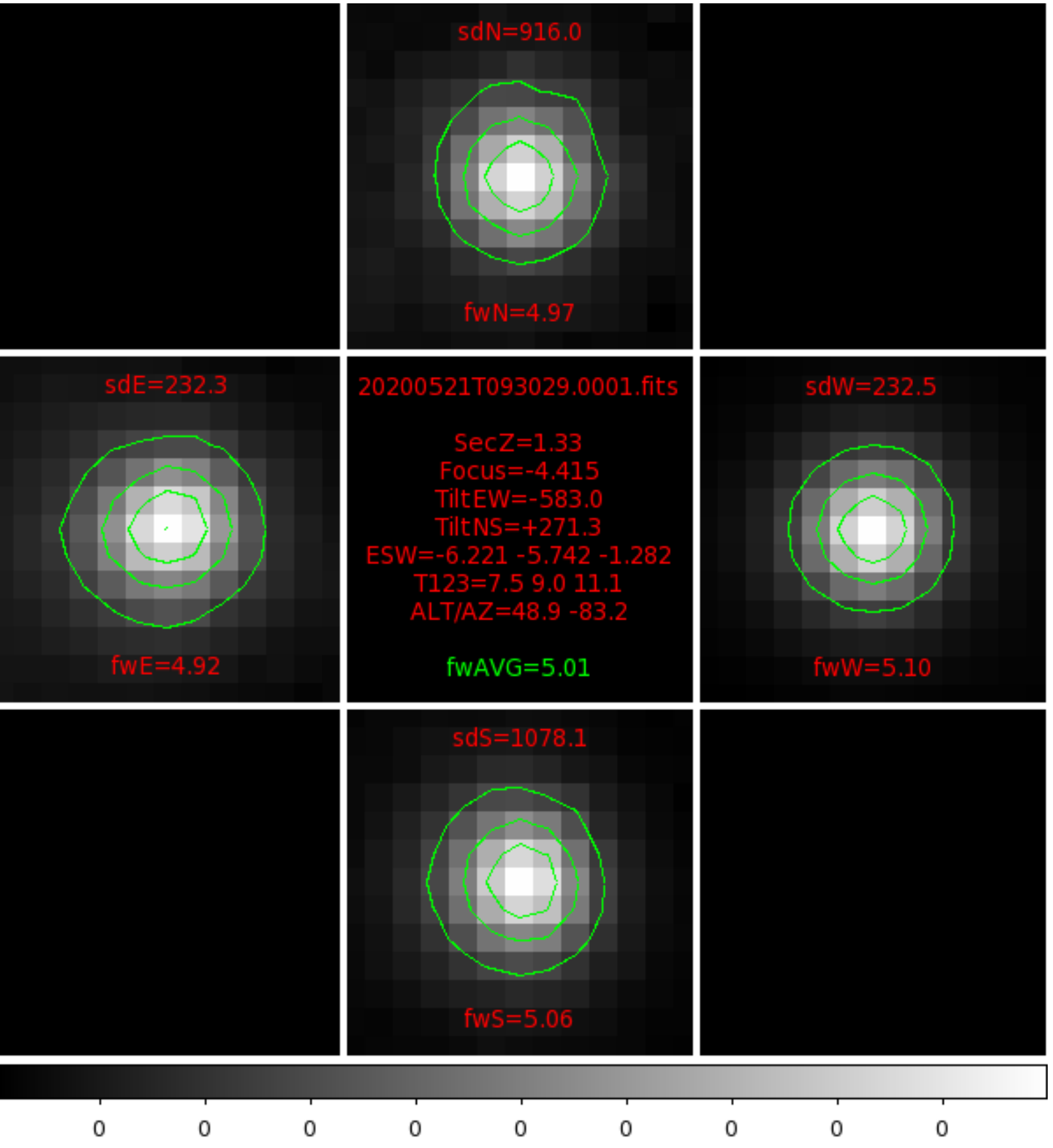
sdN=916.0
fwN=4.97
sdE=232.3
fwE=4.92
20200521T093029.0001.fits
SecZ=1.33
Focus=-4.415
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.221 -5.742 -1.282
T123=7.5 9.0 11.1
ALT/AZ=48.9 -83.2
fwAVG=5.01
sdW=232.5
fwW=5.10
sdS=1078.1
fwS=5.06
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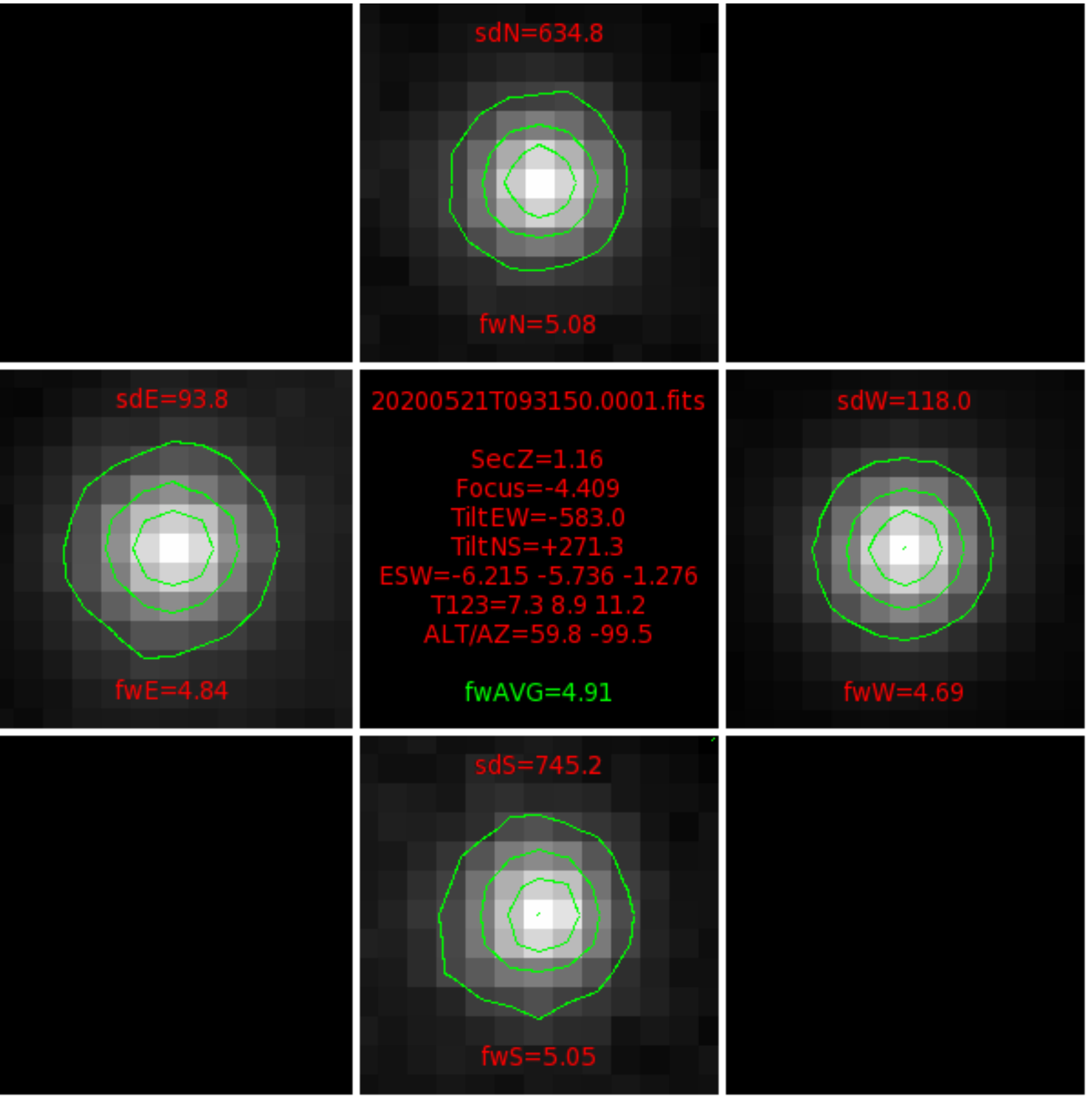
sdN=634.8
fwN=5.08
sdE=93.8
fwE=4.84
20200521T093150.0001.fits
SecZ=1.16
Focus=-4.409
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.215 -5.736 -1.276
T123=7.3 8.9 11.2
ALT/AZ=59.8 -99.5
fwAVG=4.91
sdW=118.0
fwW=4.69
sdS=745.2
fwS=5.05
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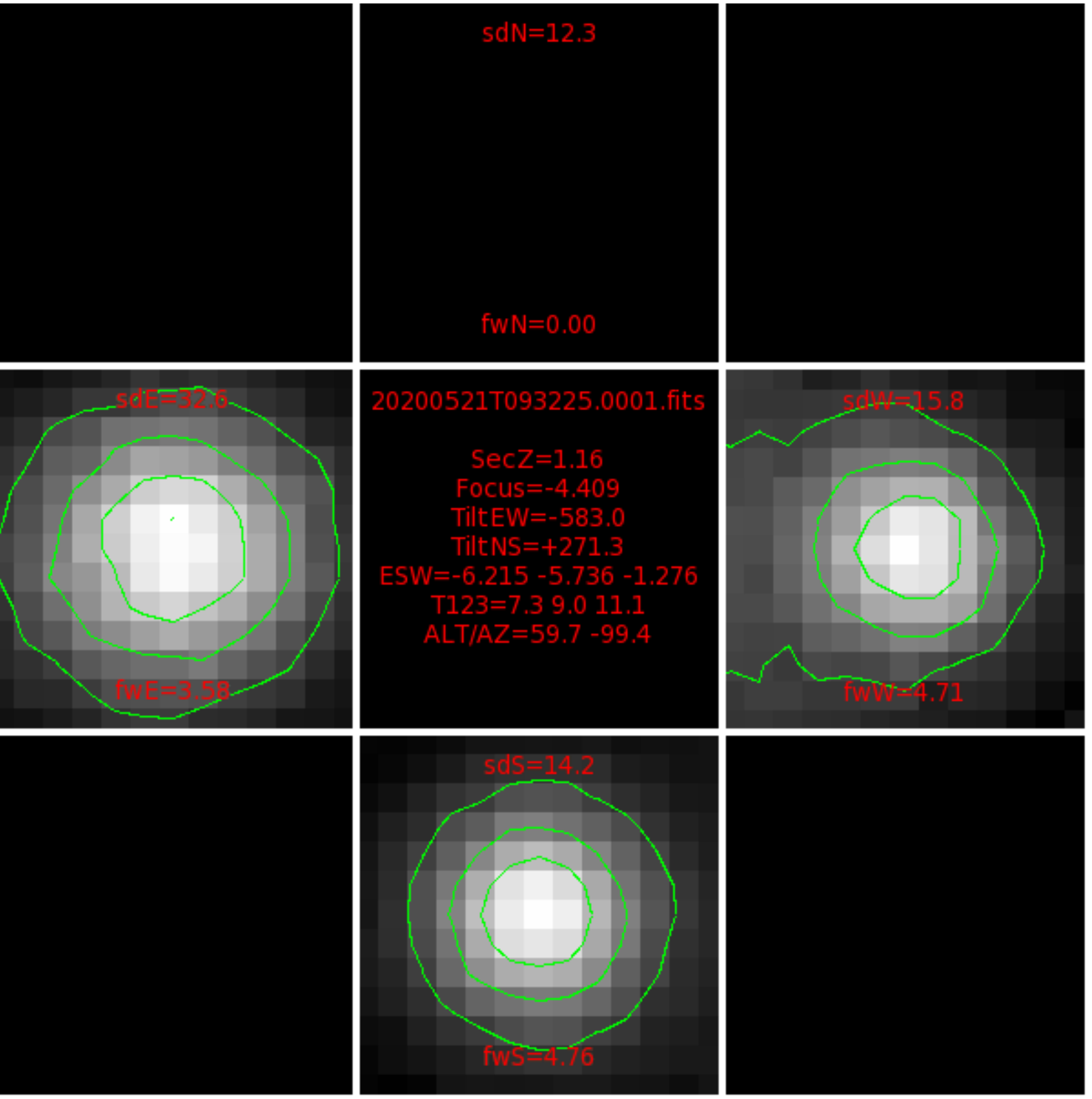
sdN=12.3
fwN=0.00
sdE=32.6
fwE=3.58
20200521T093225.0001.fits
SecZ=1.16
Focus=-4.409
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.215 -5.736 -1.276
T123=7.3 9.0 11.1
ALT/AZ=59.7 -99.4
sdW=15.8
fwW=4.71
sdS=14.2
fwS=4.76
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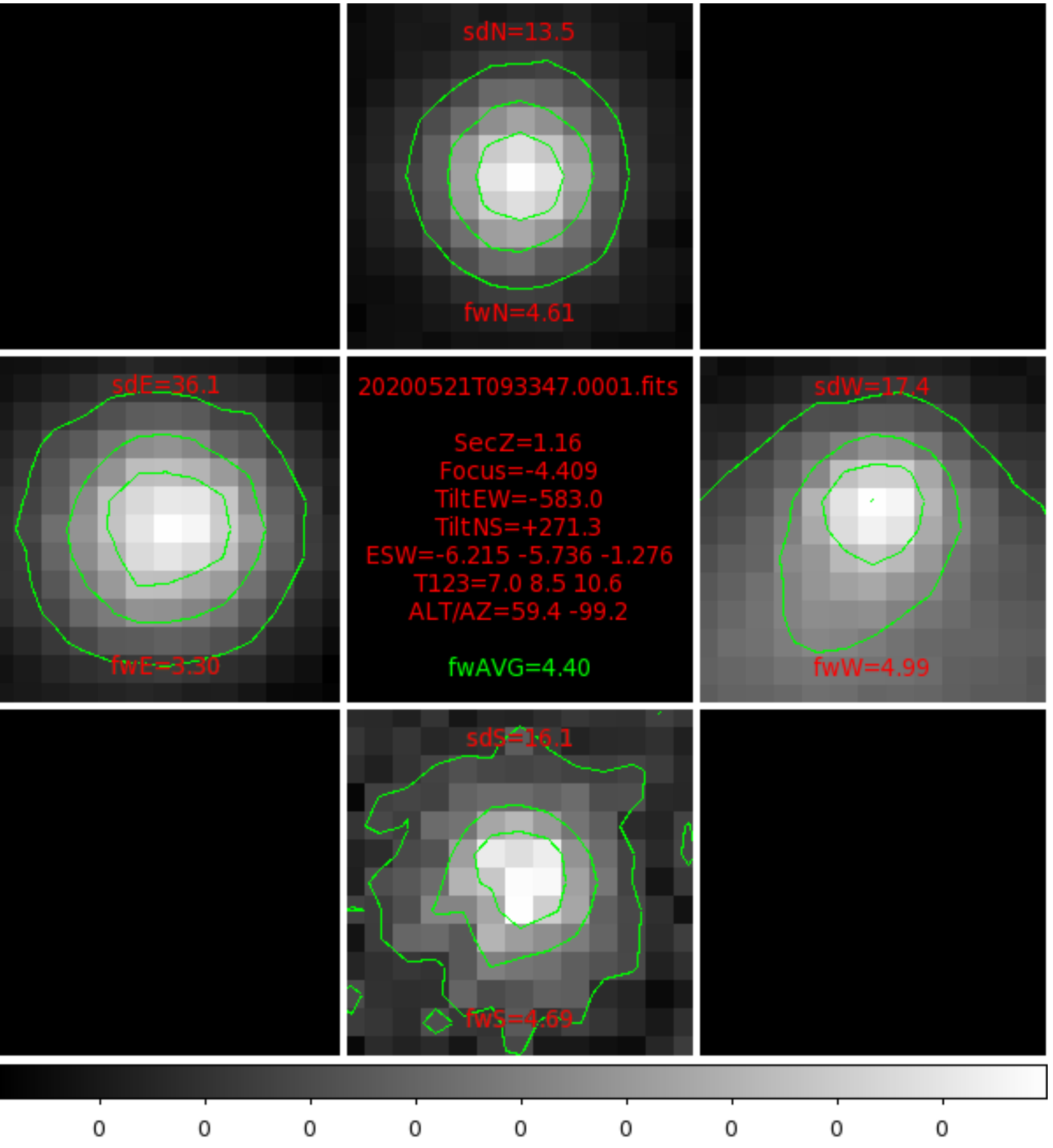
sdN=13.5
fwN=4.61
sdE=36.1
fwE=3.30
20200521T093347.0001.fits
SecZ=1.16
Focus=-4.409
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.215 -5.736 -1.276
T123=7.0 8.5 10.6
ALT/AZ=59.4 -99.2
fwAVG=4.40
sdW=17.4
fwW=4.99
sdS=16.1
fwS=4.69
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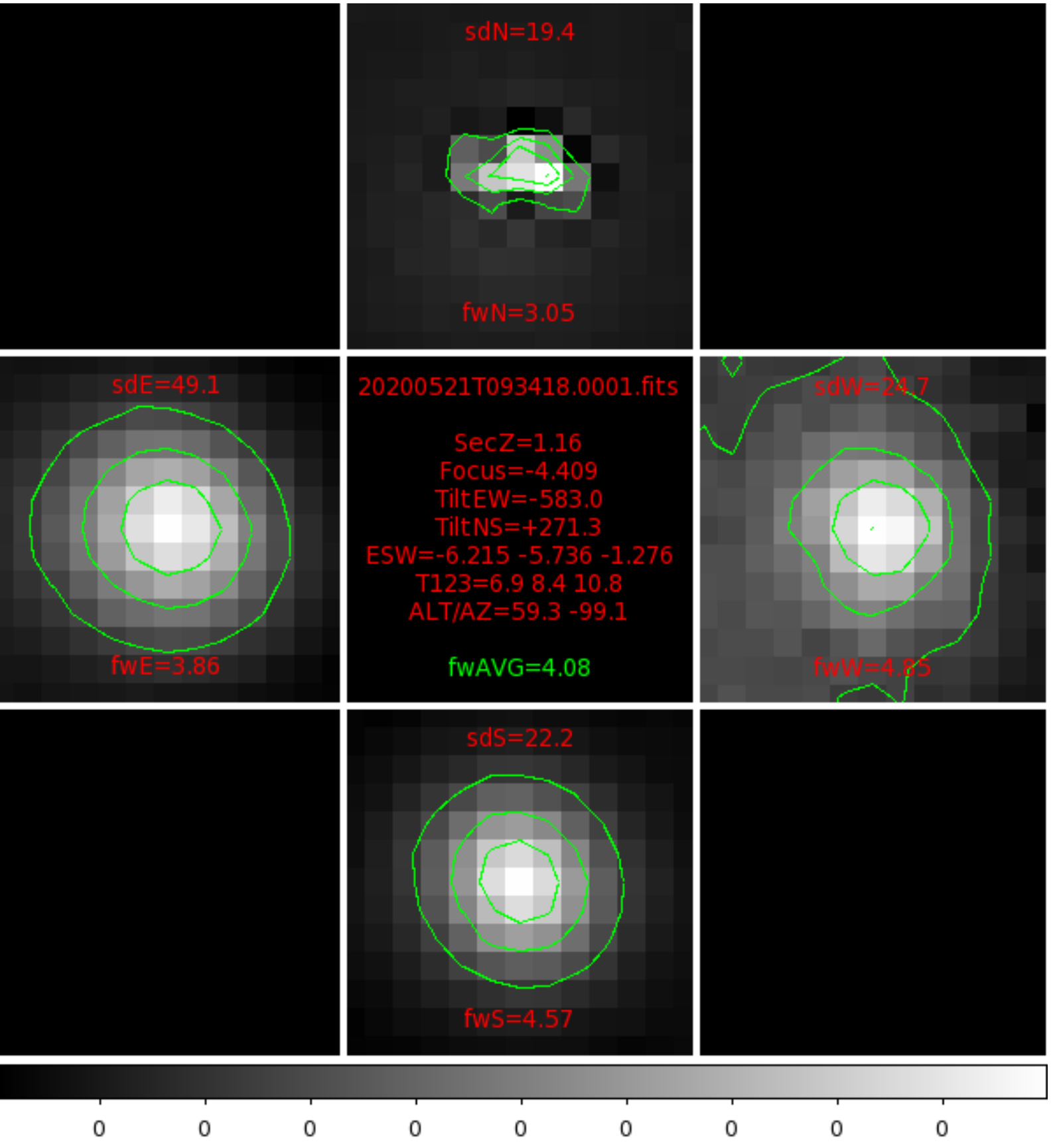
sdN=19.4
fwN=3.05
sdE=49.1
fwE=3.86
20200521T093418.0001.fits
SecZ=1.16
Focus=-4.409
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.215 -5.736 -1.276
T123=6.9 8.4 10.8
ALT/AZ=59.3 -99.1
fwAVG=4.08
sdW=24.7
fwW=4.85
sdS=22.2
fwS=4.57
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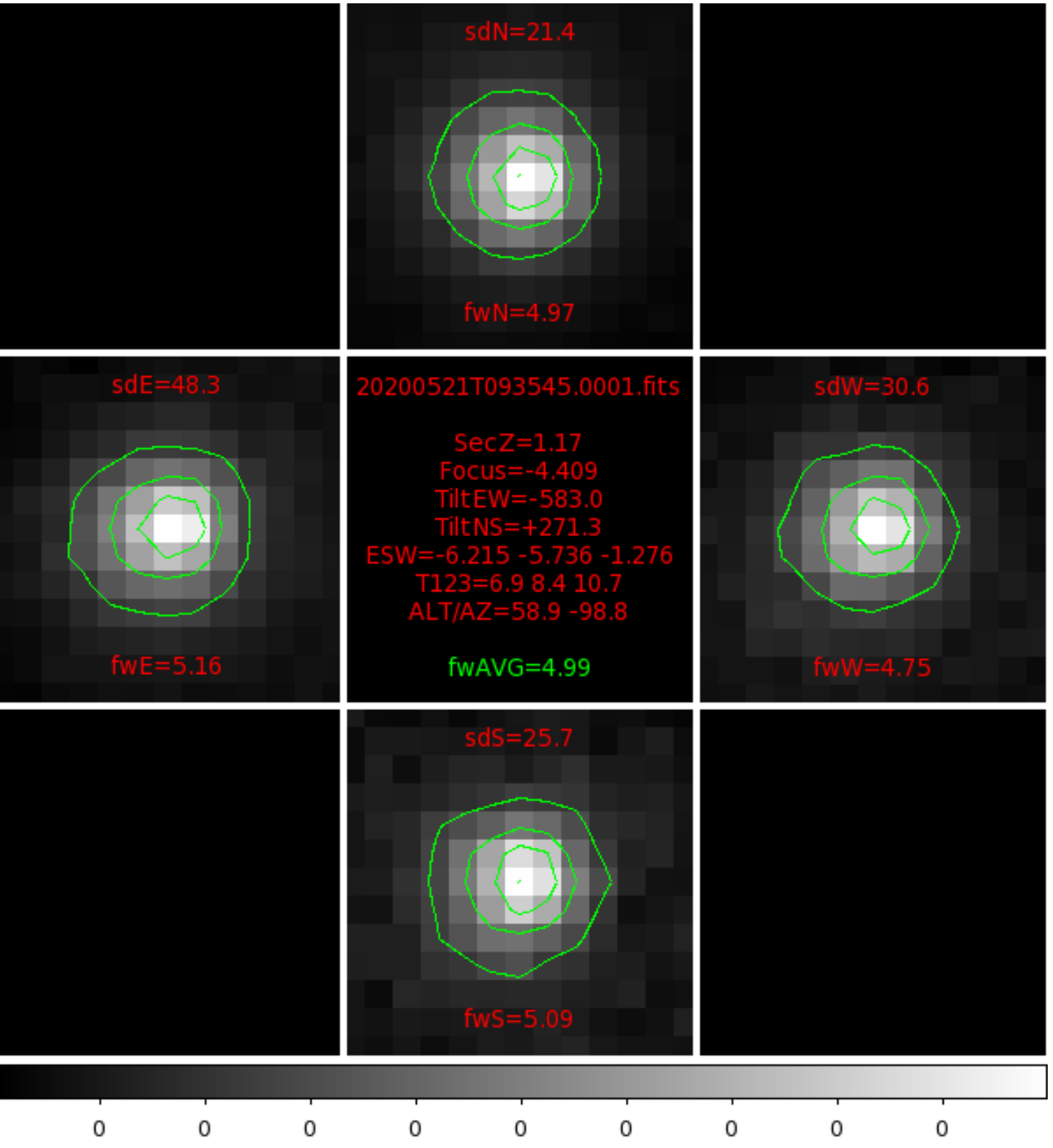
sdN=21.4
fwN=4.97
sdE=48.3
fwE=5.16
20200521T093545.0001.fits
SecZ=1.17
Focus=-4.409
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.215 -5.736 -1.276
T123=6.9 8.4 10.7
ALT/AZ=58.9 -98.8
fwAVG=4.99
sdW=30.6
fwW=4.75
sdS=25.7
fwS=5.09
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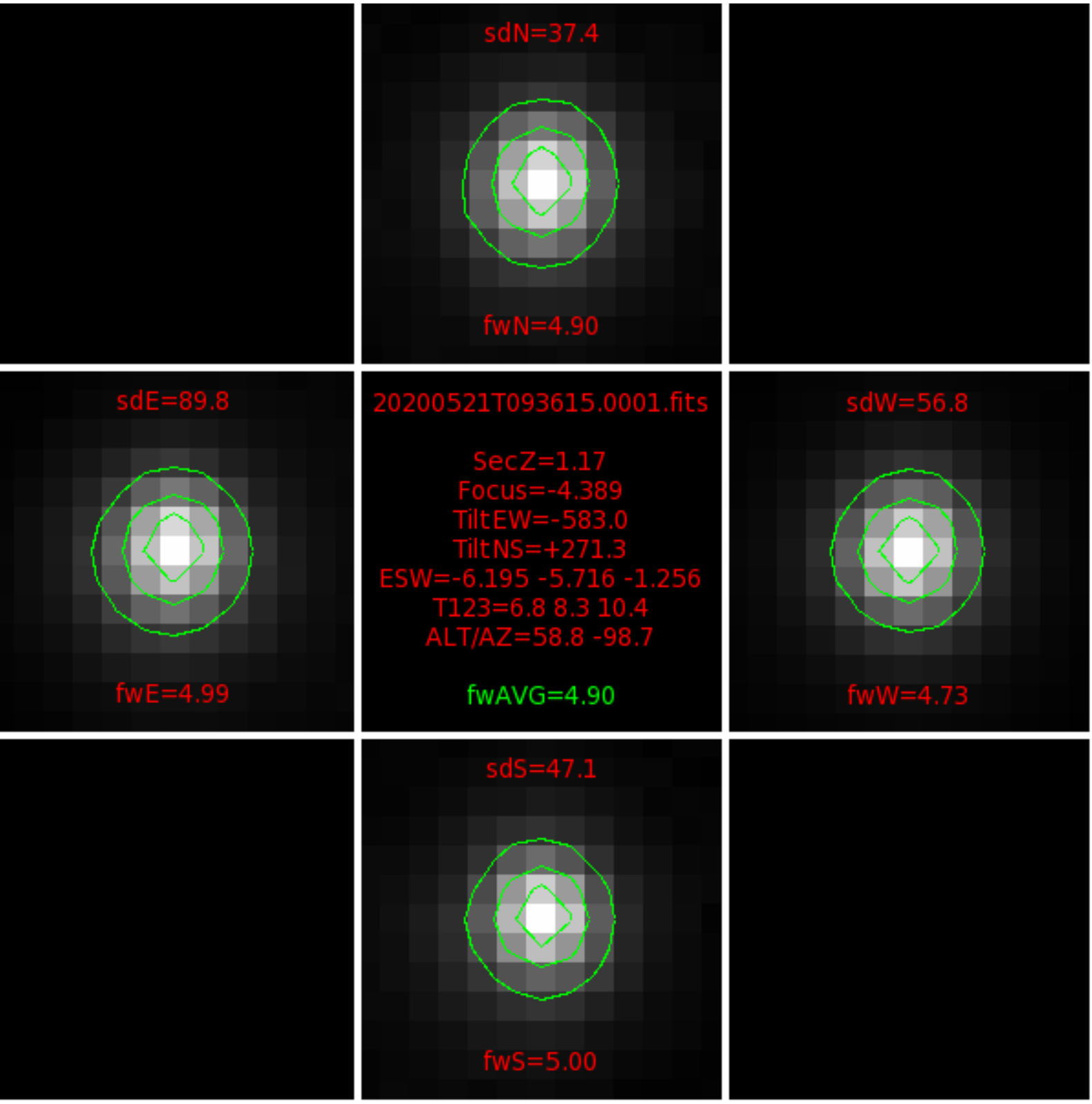
sdN=37.4
fwN=4.90
sdE=89.8
fwE=4.99
20200521T093615.0001.fits
SecZ=1.17
Focus=-4.389
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.195 -5.716 -1.256
T123=6.8 8.3 10.4
ALT/AZ=58.8 -98.7
fwAVG=4.90
sdW=56.8
fwW=4.73
sdS=47.1
fwS=5.00
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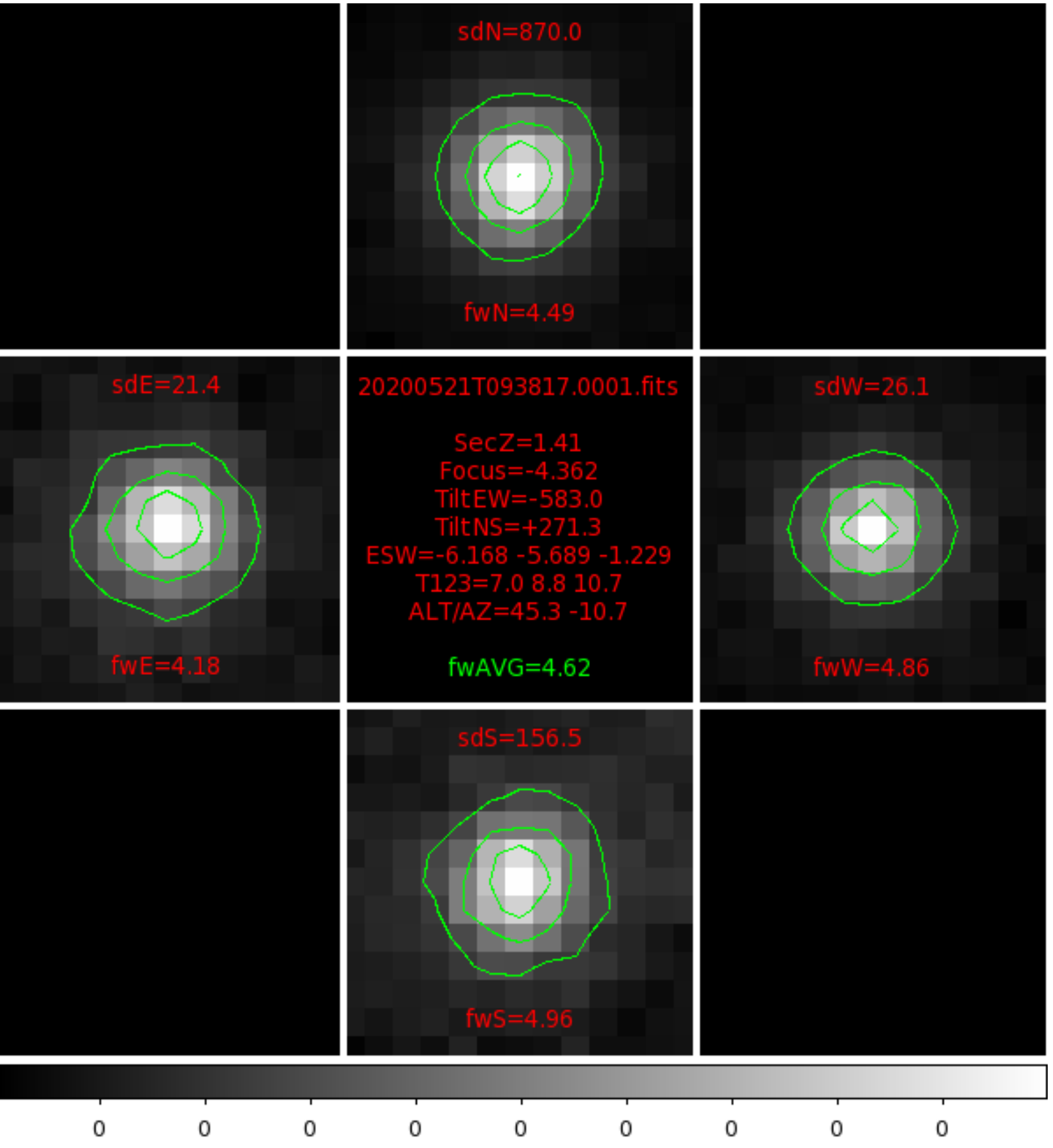
sdN=870.0
fwN=4.49
sdE=21.4
fwE=4.18
20200521T093817.0001.fits
SecZ=1.41
Focus=-4.362
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.168 -5.689 -1.229
T123=7.0 8.8 10.7
ALT/AZ=45.3 -10.7
fwAVG=4.62
sdW=26.1
fwW=4.86
sdS=156.5
fwS=4.96
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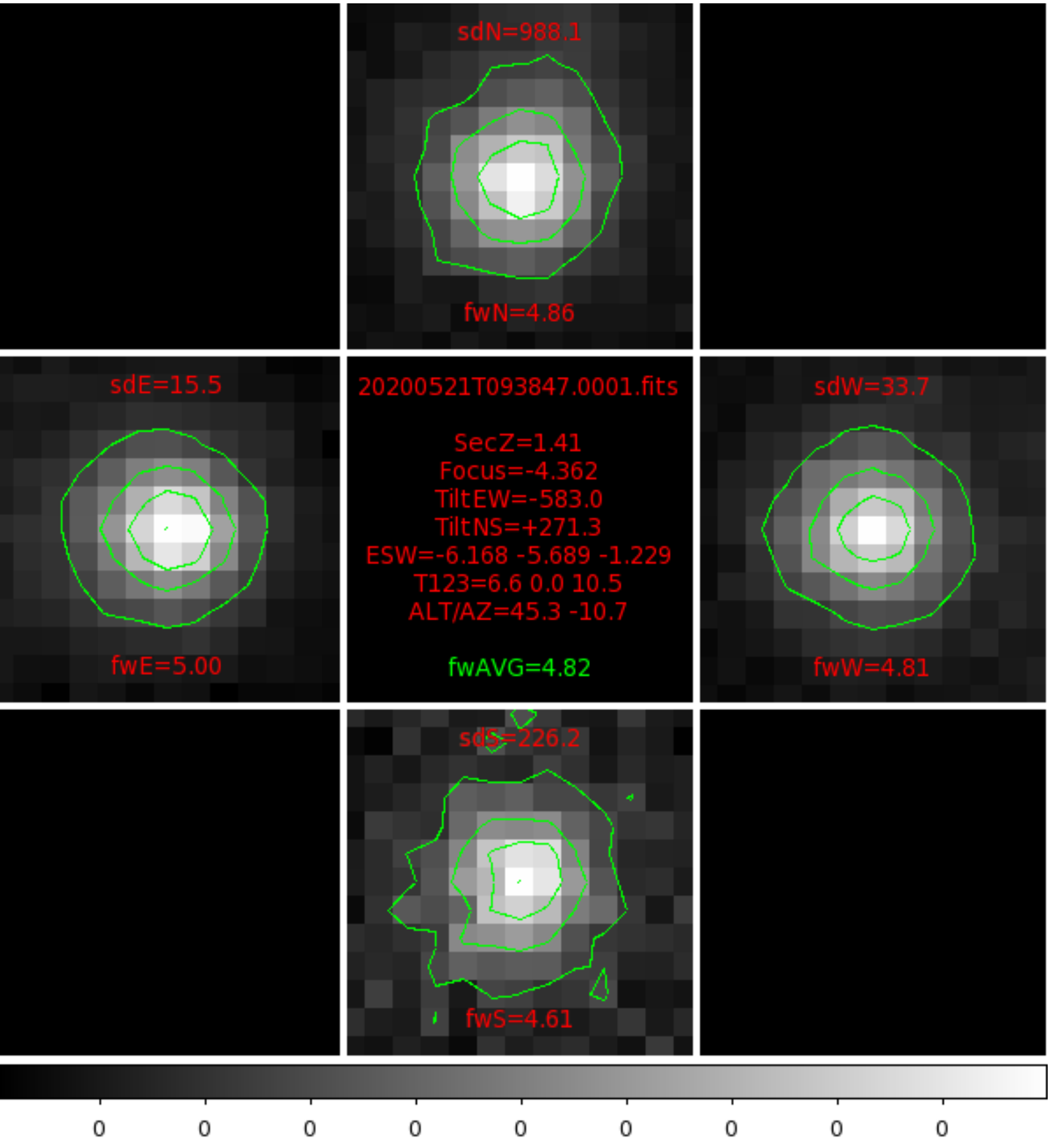
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fwN=4.86
sdE=15.5
fwE=5.00
20200521T093847.0001.fits
SecZ=1.41
Focus=-4.362
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.168 -5.689 -1.229
T123=6.6 0.0 10.5
ALT/AZ=45.3 -10.7
fwAVG=4.82
sdW=33.7
fwW=4.81
sdS=226.2
fwS=4.61
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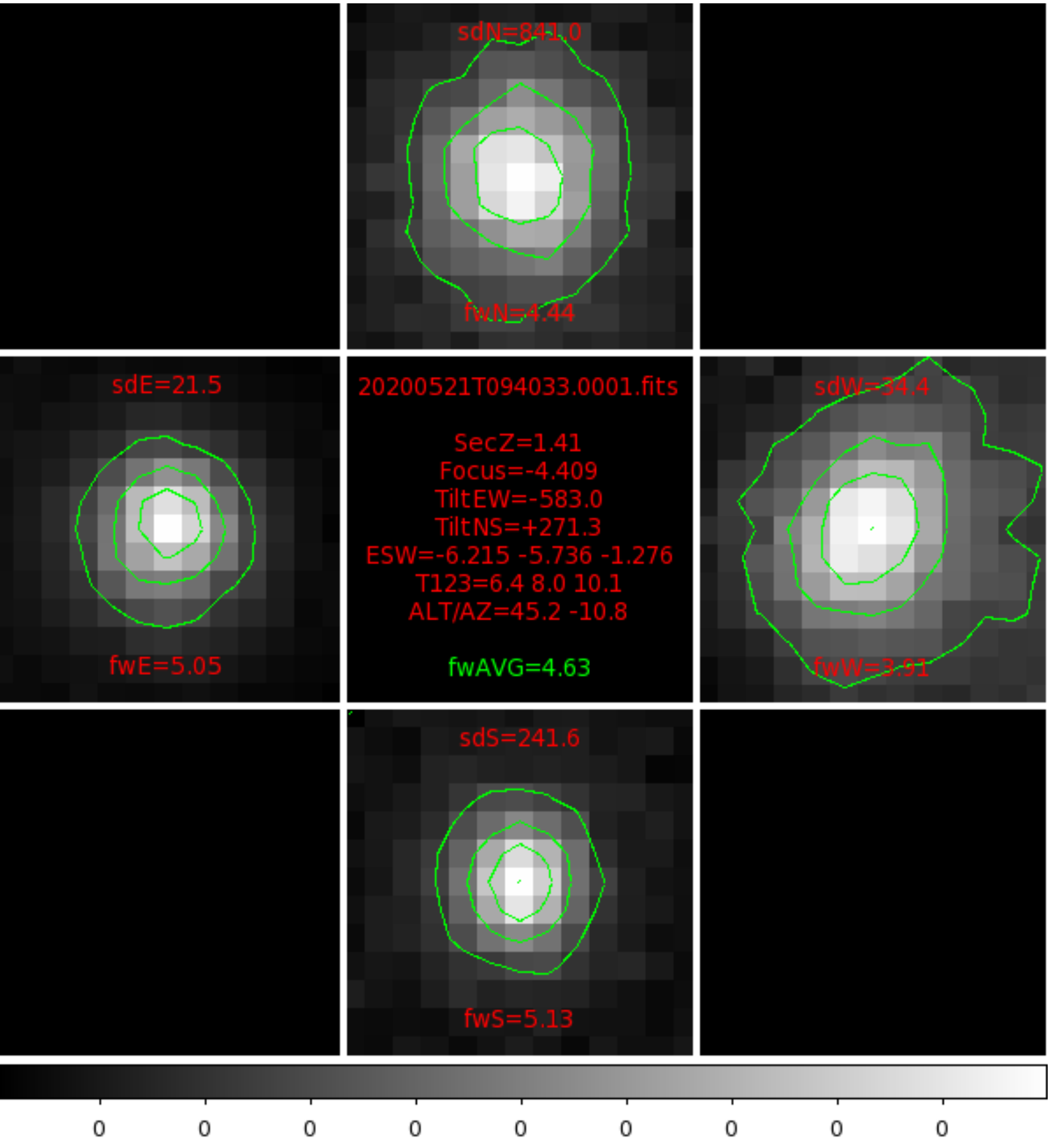
sdN=841.0
fwN=4.44
sdE=21.5
fwE=5.05
20200521T094033.0001.fits
SecZ=1.41
Focus=-4.409
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.215 -5.736 -1.276
T123=6.4 8.0 10.1
ALT/AZ=45.2 -10.8
fwAVG=4.63
sdW=34.4
fwW=3.91
sdS=241.6
fwS=5.13
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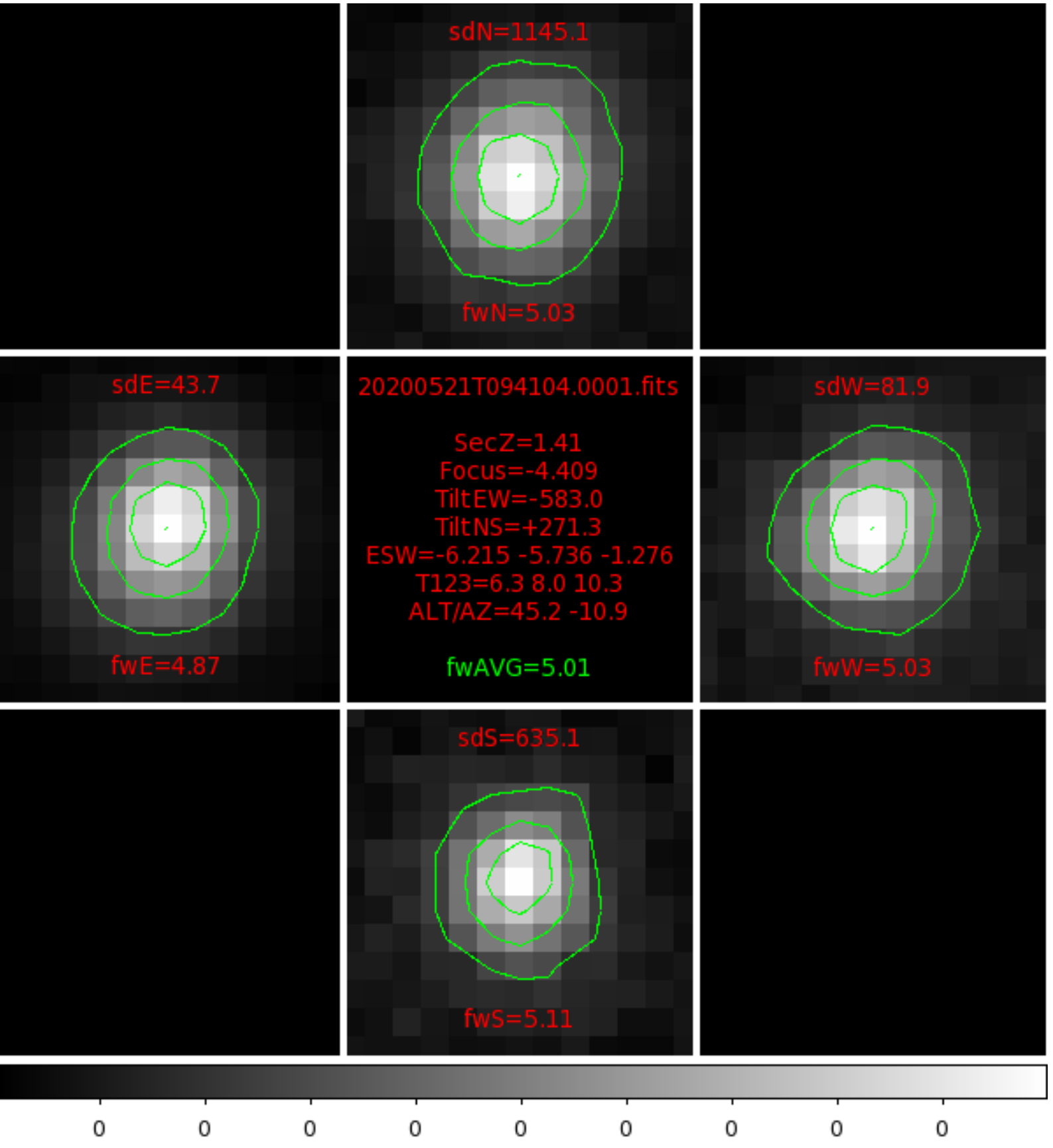
sdN=1145.1
fwN=5.03
sdE=43.7
fwE=4.87
20200521T094104.0001.fits
SecZ=1.41
Focus=-4.409
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.215 -5.736 -1.276
T123=6.3 8.0 10.3
ALT/AZ=45.2 -10.9
fwAVG=5.01
sdW=81.9
fwW=5.03
sdS=635.1
fwS=5.11
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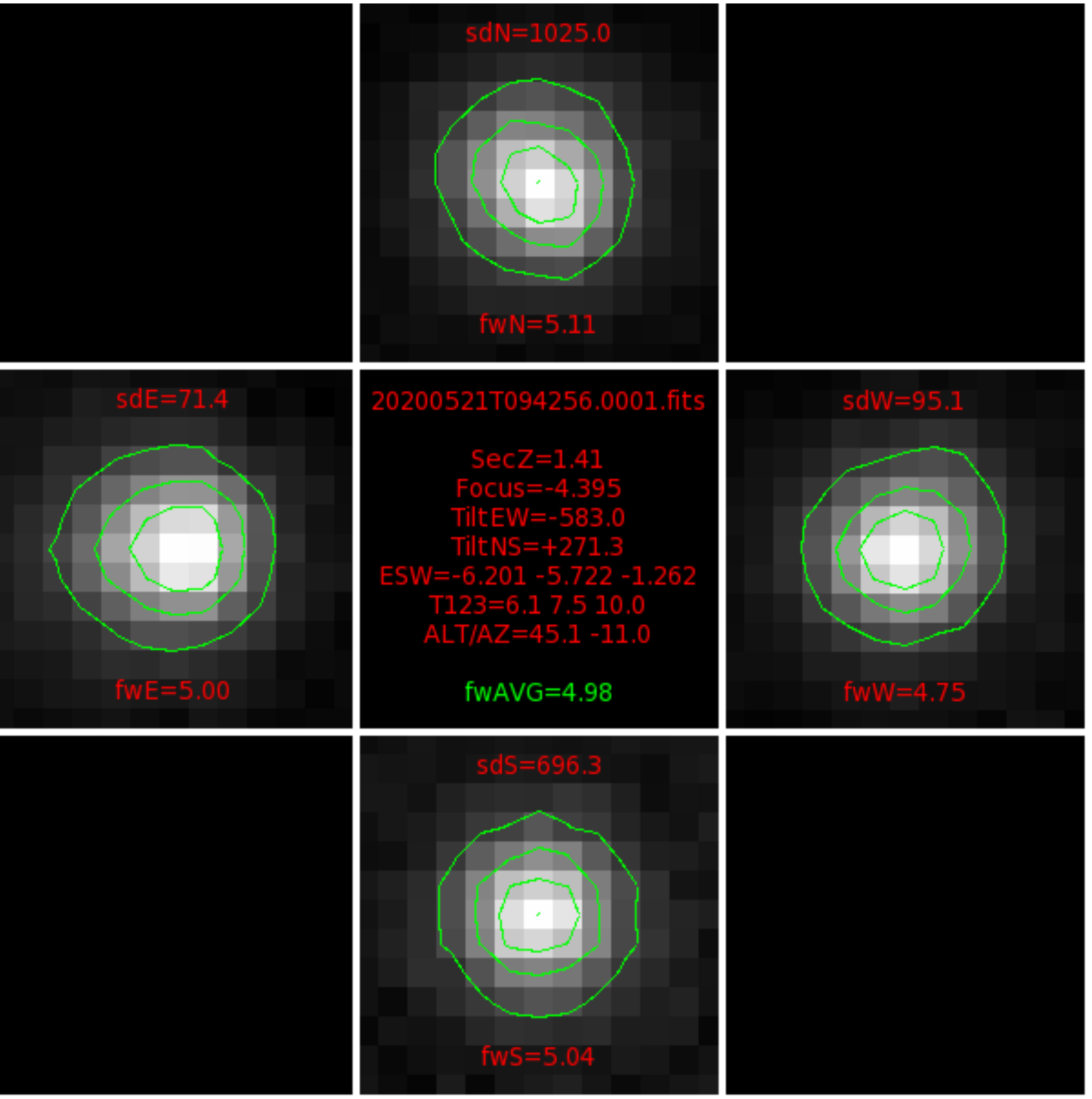
sdN=1025.0
fwN=5.11
sdE=71.4
fwE=5.00
20200521T094256.0001.fits
SecZ=1.41
Focus=-4.395
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.201 -5.722 -1.262
T123=6.1 7.5 10.0
ALT/AZ=45.1 -11.0
fwAVG=4.98
sdW=95.1
fwW=4.75
sdS=696.3
fwS=5.04
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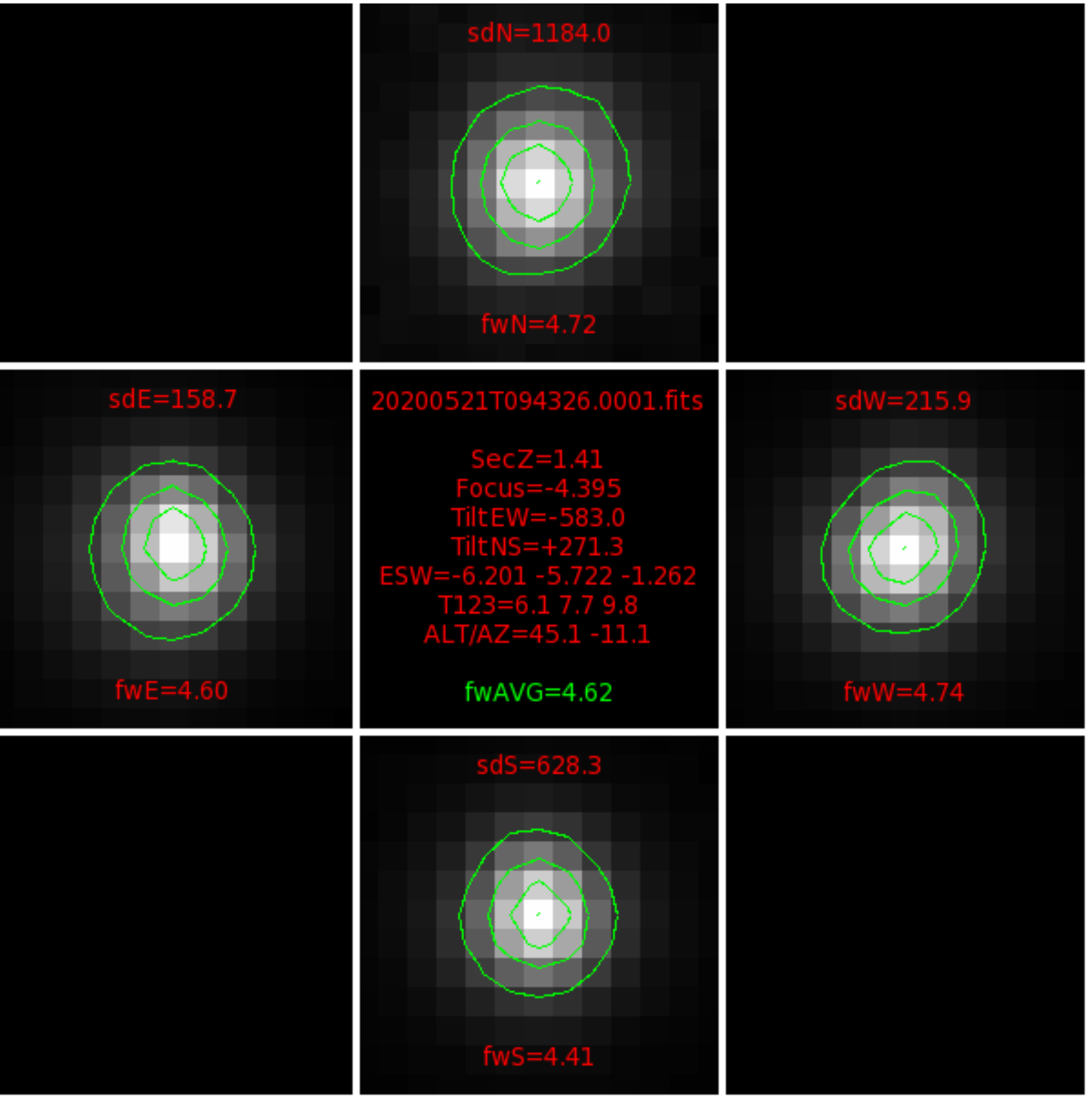
sdN=1184.0
fwN=4.72
sdE=158.7
fwE=4.60
20200521T094326.0001.fits
SecZ=1.41
Focus=-4.395
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.201 -5.722 -1.262
T123=6.1 7.7 9.8
ALT/AZ=45.1 -11.1
fwAVG=4.62
sdW=215.9
fwW=4.74
sdS=628.3
fwS=4.41
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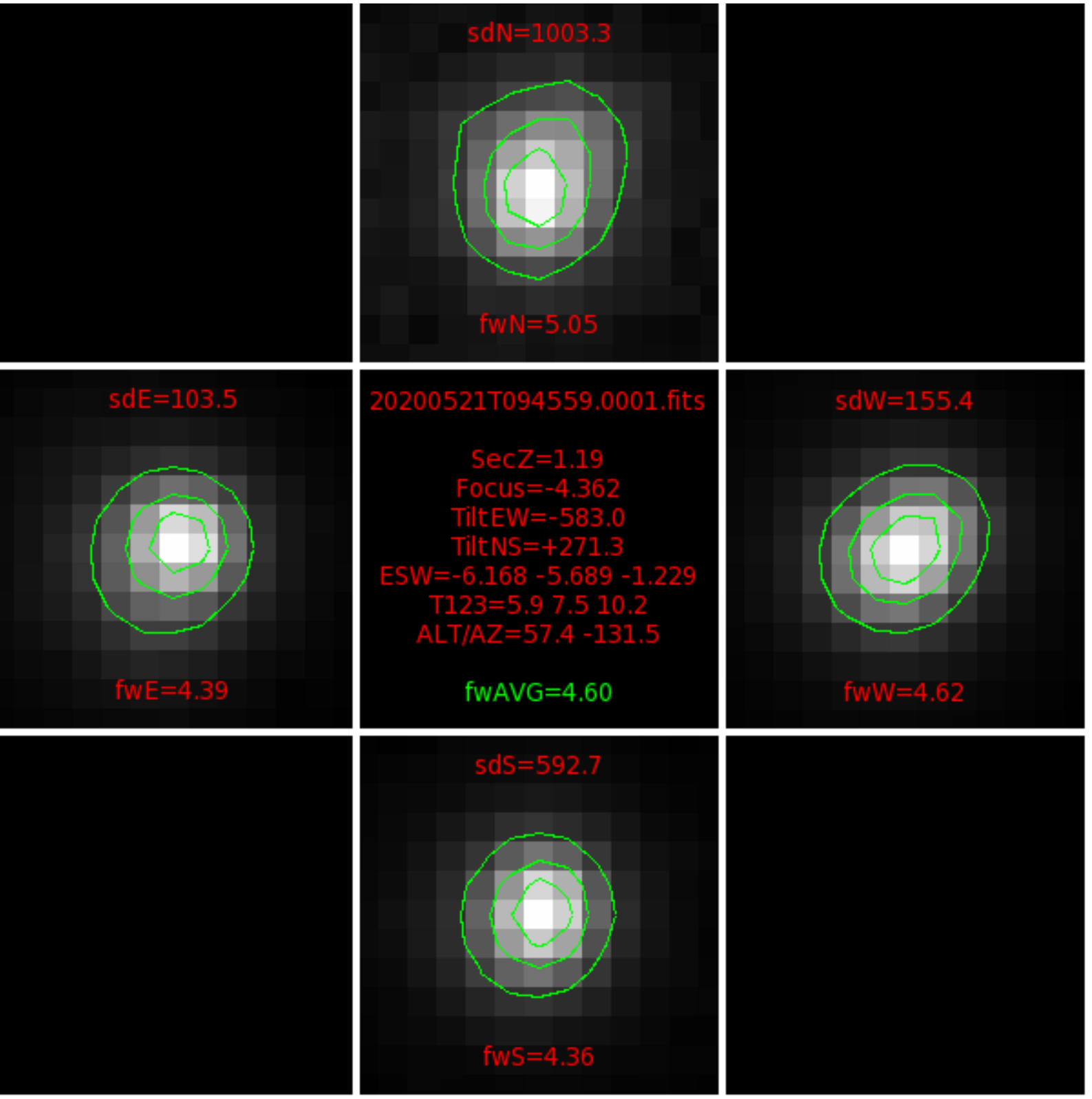
sdN=1003.3
fwN=5.05
sdE=103.5
fwE=4.39
20200521T094559.0001.fits
SecZ=1.19
Focus=-4.362
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.168 -5.689 -1.229
T123=5.9 7.5 10.2
ALT/AZ=57.4 -131.5
fwAVG=4.60
sdW=155.4
fwW=4.62
sdS=592.7
fwS=4.36
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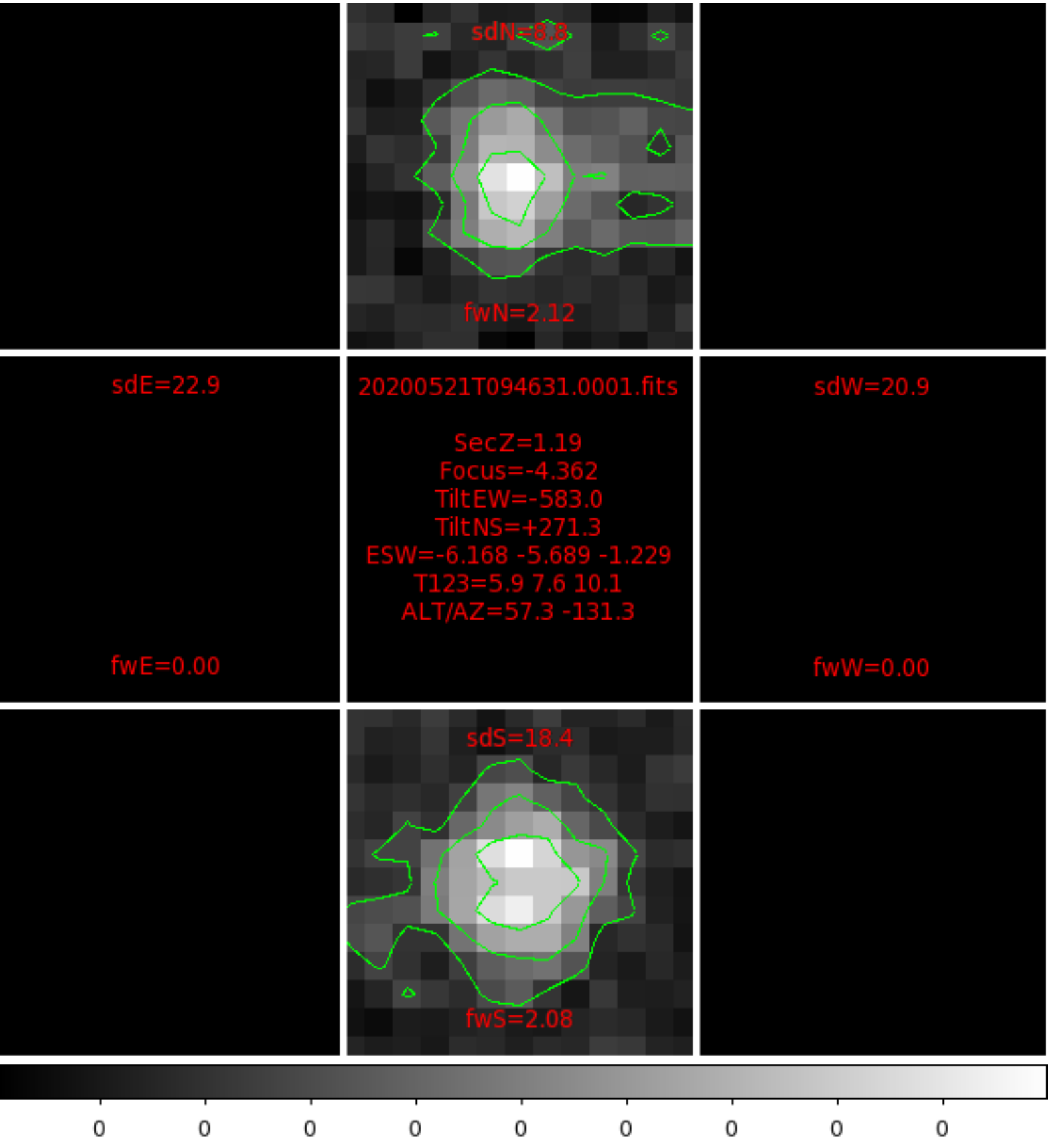
sdN=8.8
fwN=2.12
sdE=22.9
20200521T094631.0001.fits
SecZ=1.19
Focus=-4.362
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.168 -5.689 -1.229
T123=5.9 7.6 10.1
ALT/AZ=57.3 -131.3
sdW=20.9
fwE=0.00
fwW=0.00
sdS=18.4
fwS=2.08
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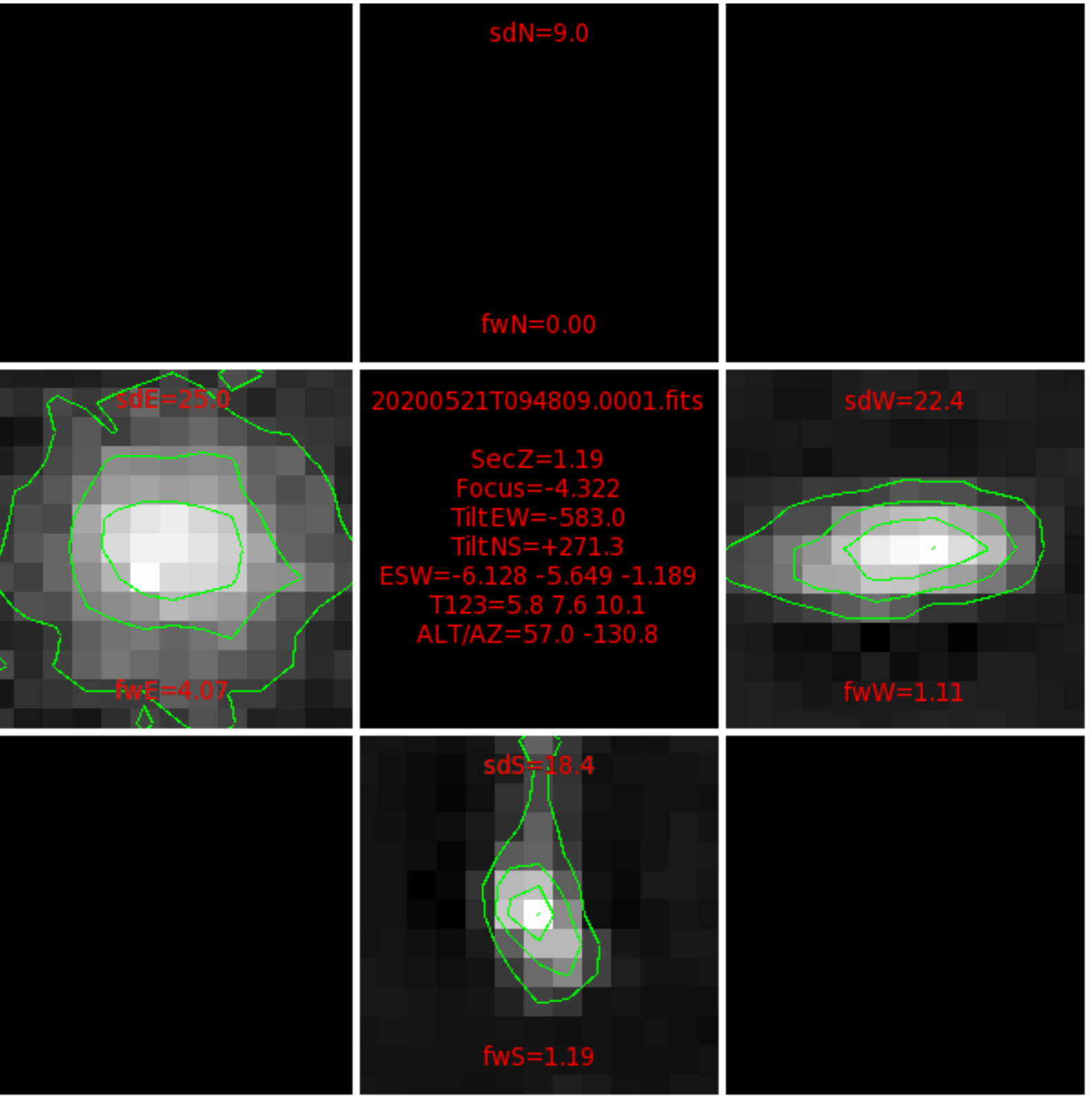
sdN=9.0
fwN=0.00
sdE=25.0
fwE=4.07
20200521T094809.0001.fits
SecZ=1.19
Focus=-4.322
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.128 -5.649 -1.189
T123=5.8 7.6 10.1
ALT/AZ=57.0 -130.8
sdW=22.4
fwW=1.11
sdS=18.4
fwS=1.19
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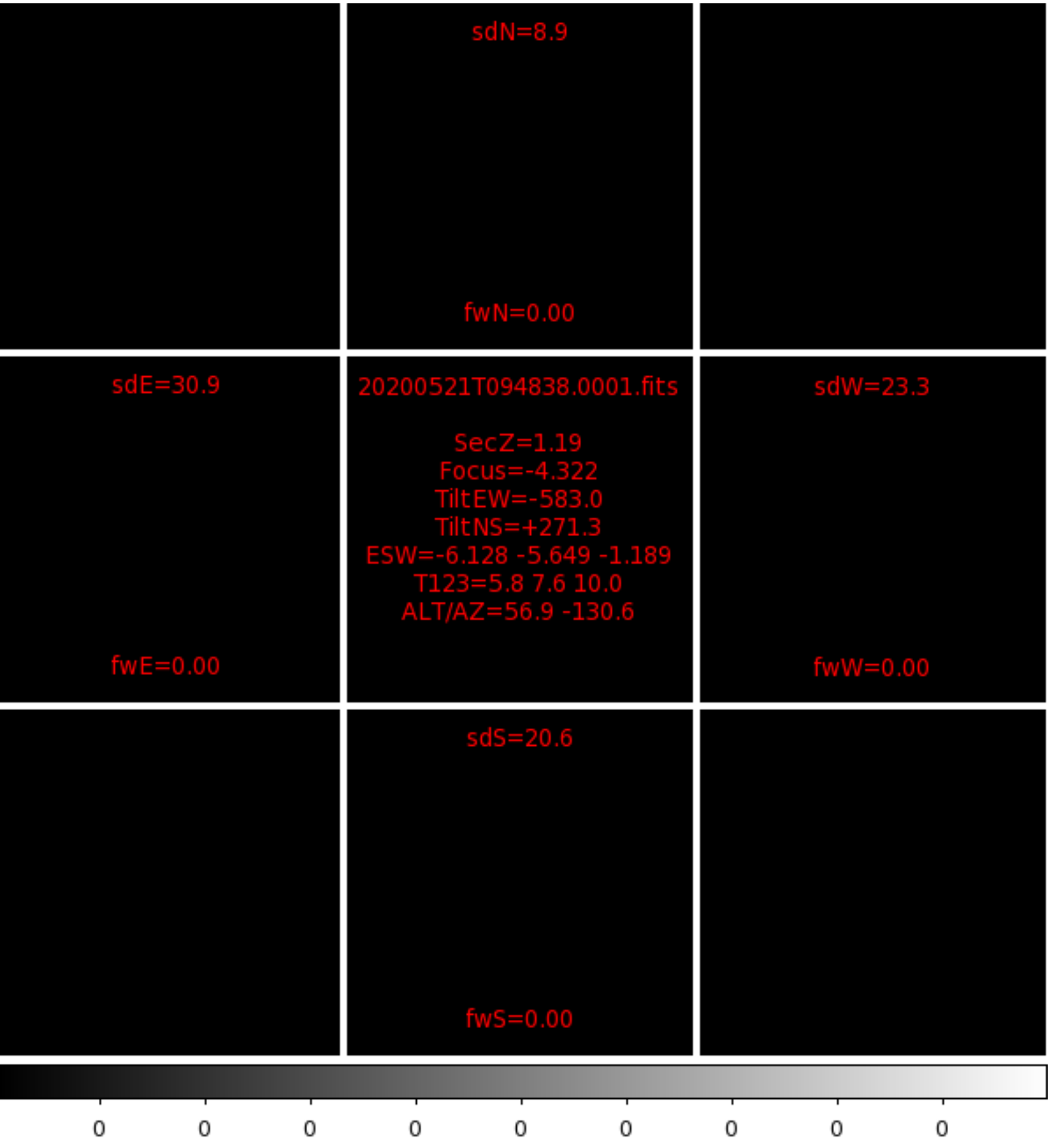
sdN=8.9
fwN=0.00
sdE=30.9
20200521T094838.0001.fits
SecZ=1.19
Focus=-4.322
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.128 -5.649 -1.189
T123=5.8 7.6 10.0
ALT/AZ=56.9 -130.6
sdW=23.3
fwE=0.00
fwW=0.00
sdS=20.6
fwS=0.00
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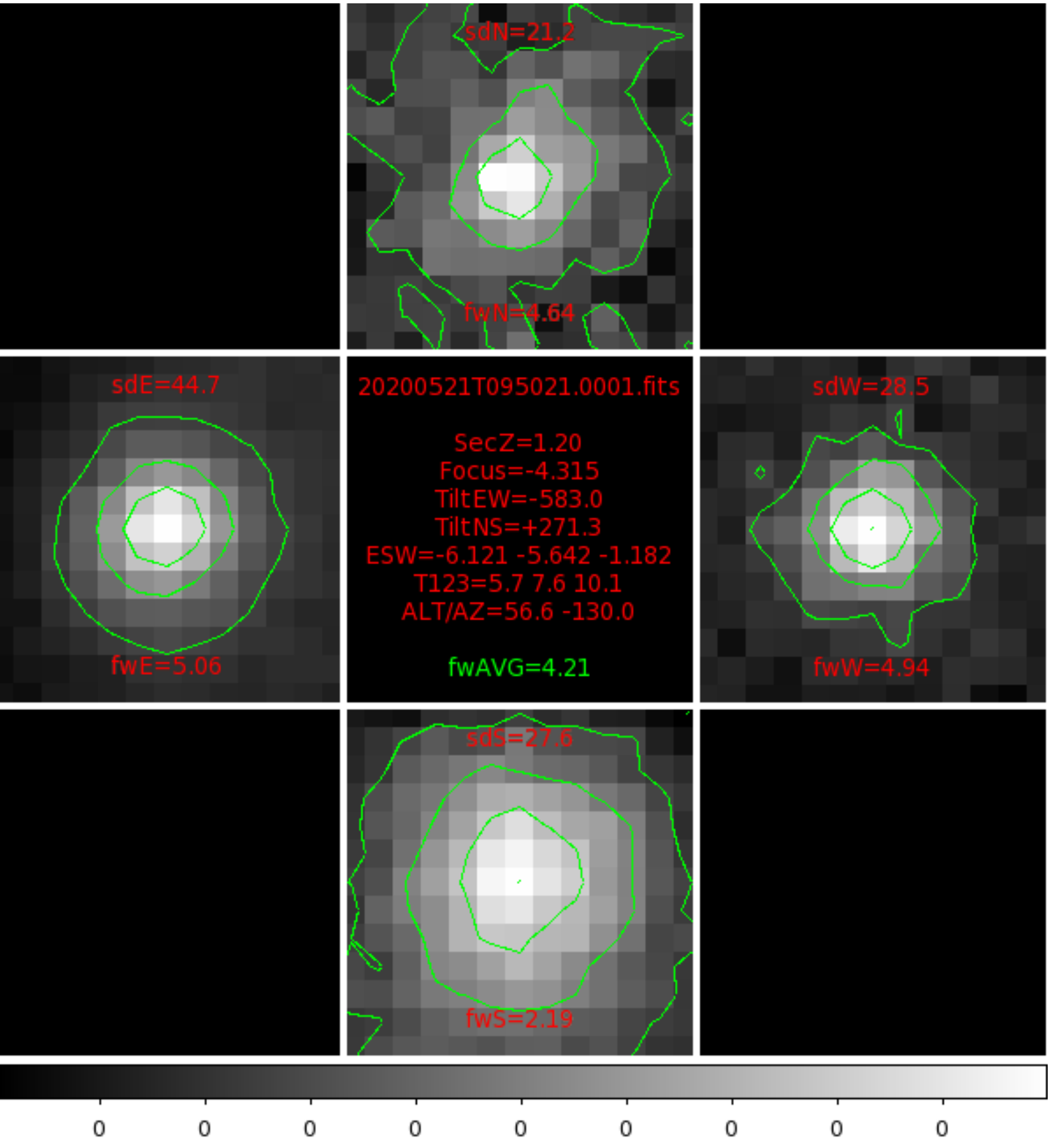
sdN=21.2
fwN=4.64
sdE=44.7
fwE=5.06
20200521T095021.0001.fits
SecZ=1.20
Focus=-4.315
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.121 -5.642 -1.182
T123=5.7 7.6 10.1
ALT/AZ=56.6 -130.0
fwAVG=4.21
sdW=28.5
fwW=4.94
sdS=27.6
fwS=2.19
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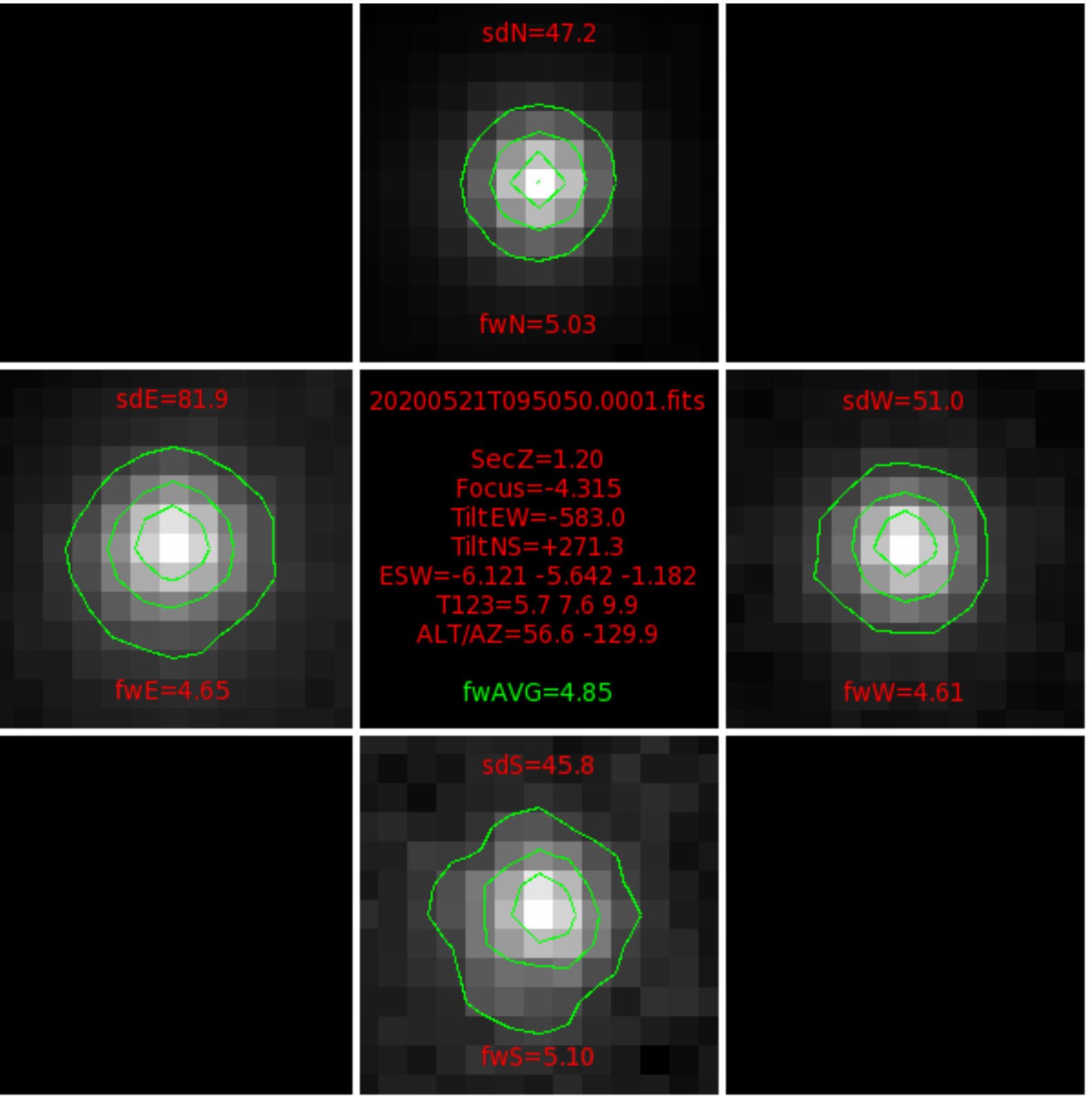
sdN=47.2
fwN=5.03
sdE=81.9
fwE=4.65
20200521T095050.0001.fits
SecZ=1.20
Focus=-4.315
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.121 -5.642 -1.182
T123=5.7 7.6 9.9
ALT/AZ=56.6 -129.9
fwAVG=4.85
sdW=51.0
fwW=4.61
sdS=45.8
fwS=5.10
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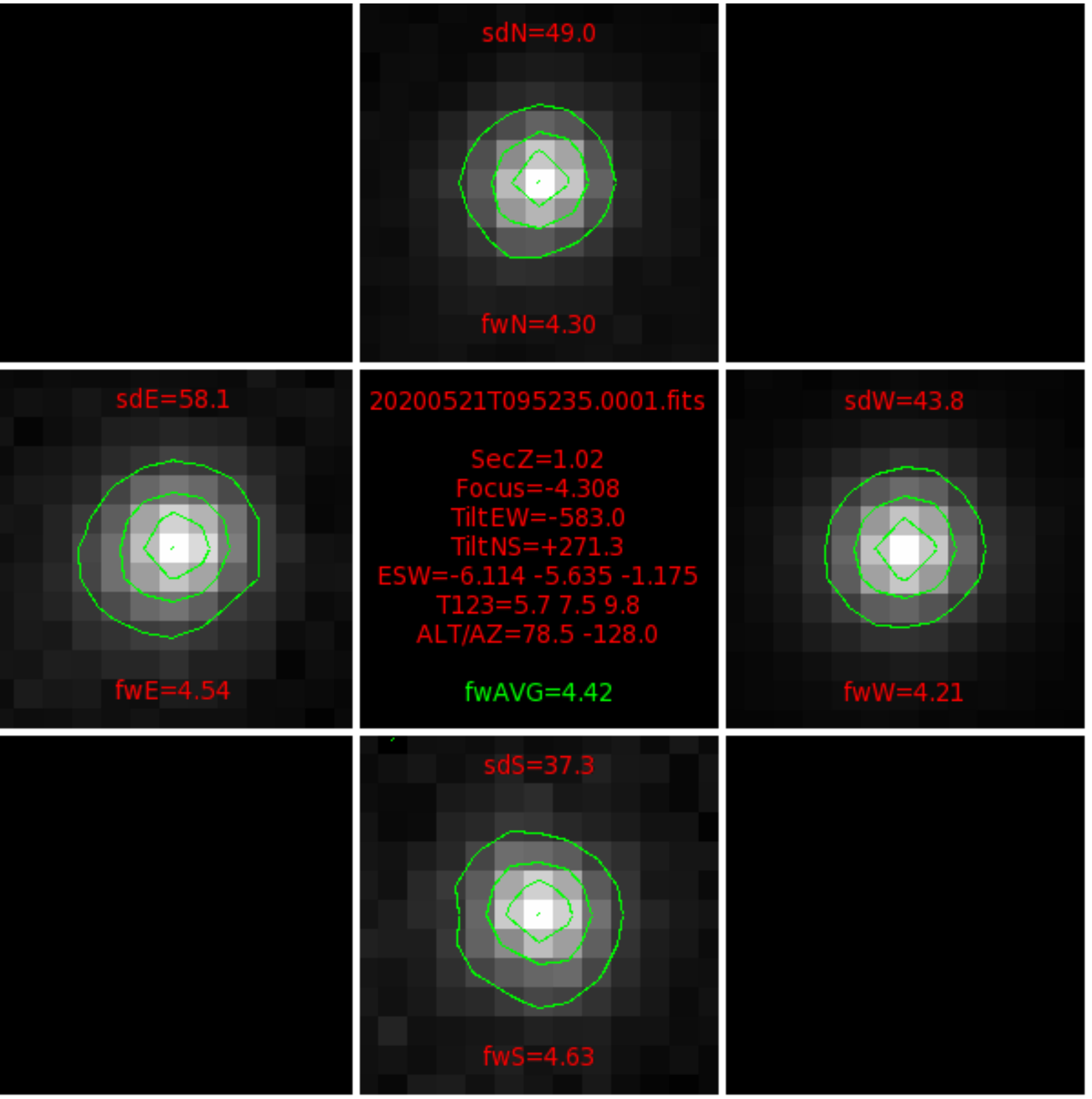
sdN=49.0
fwN=4.30
sdE=58.1
fwE=4.54
20200521T095235.0001.fits
SecZ=1.02
Focus=-4.308
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.114 -5.635 -1.175
T123=5.7 7.5 9.8
ALT/AZ=78.5 -128.0
fwAVG=4.42
sdW=43.8
fwW=4.21
sdS=37.3
fwS=4.63
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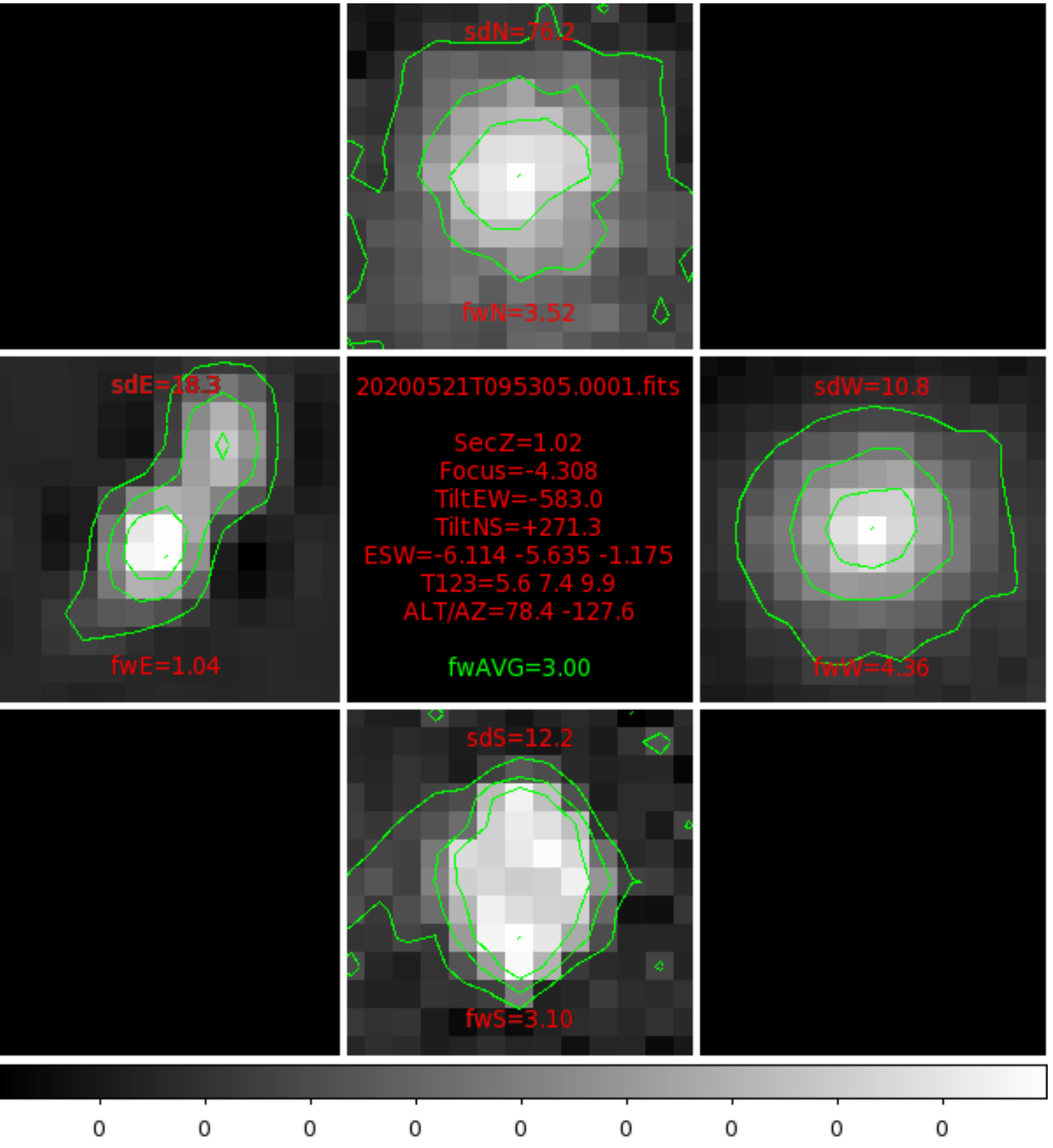
sdN=76.2
fwN=3.52
sdE=18.3
fwE=1.04
20200521T095305.0001.fits
SecZ=1.02
Focus=-4.308
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.114 -5.635 -1.175
T123=5.6 7.4 9.9
ALT/AZ=78.4 -127.6
fwAVG=3.00
sdW=10.8
fwW=4.36
sdS=12.2
fwS=3.10
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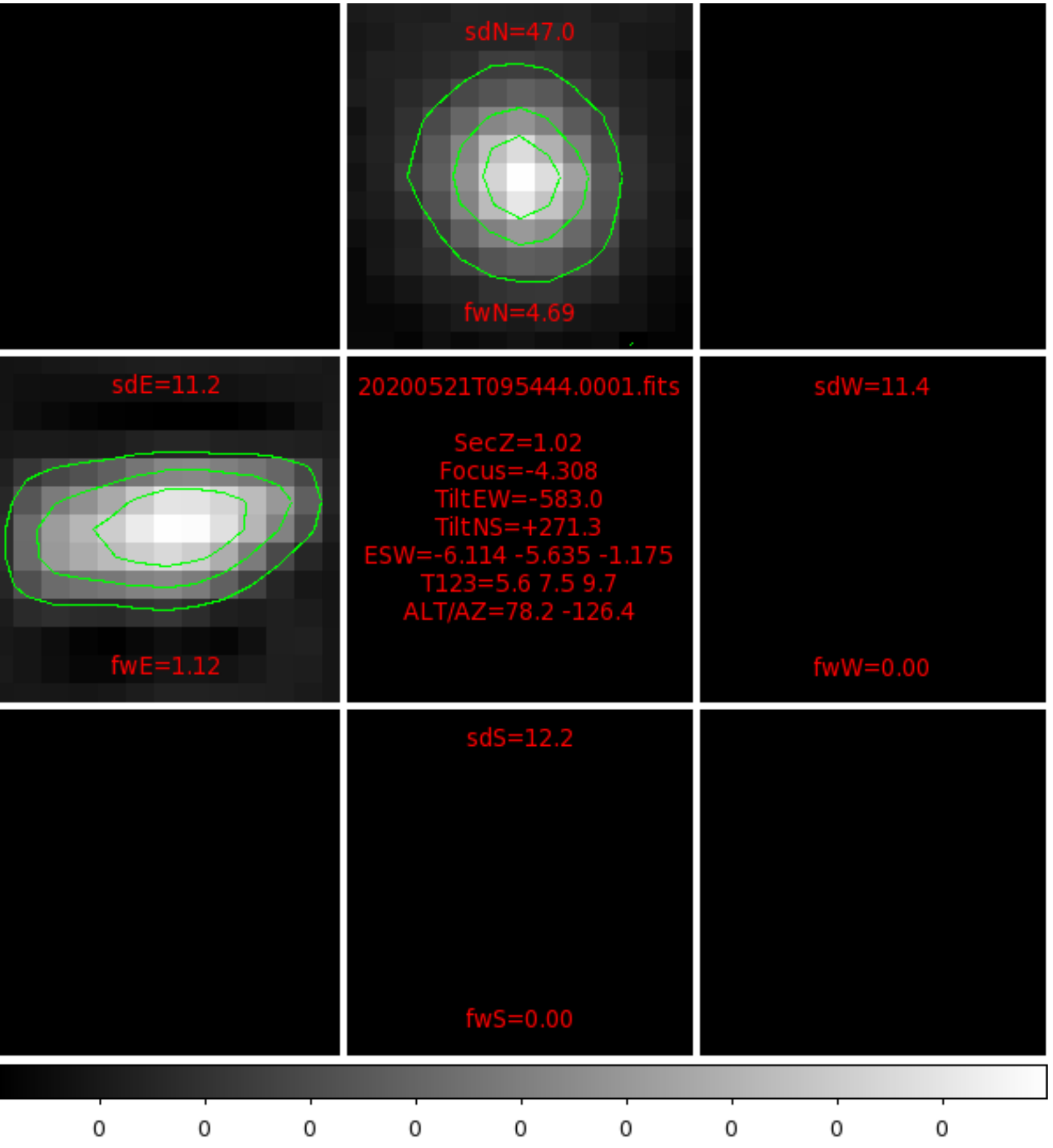
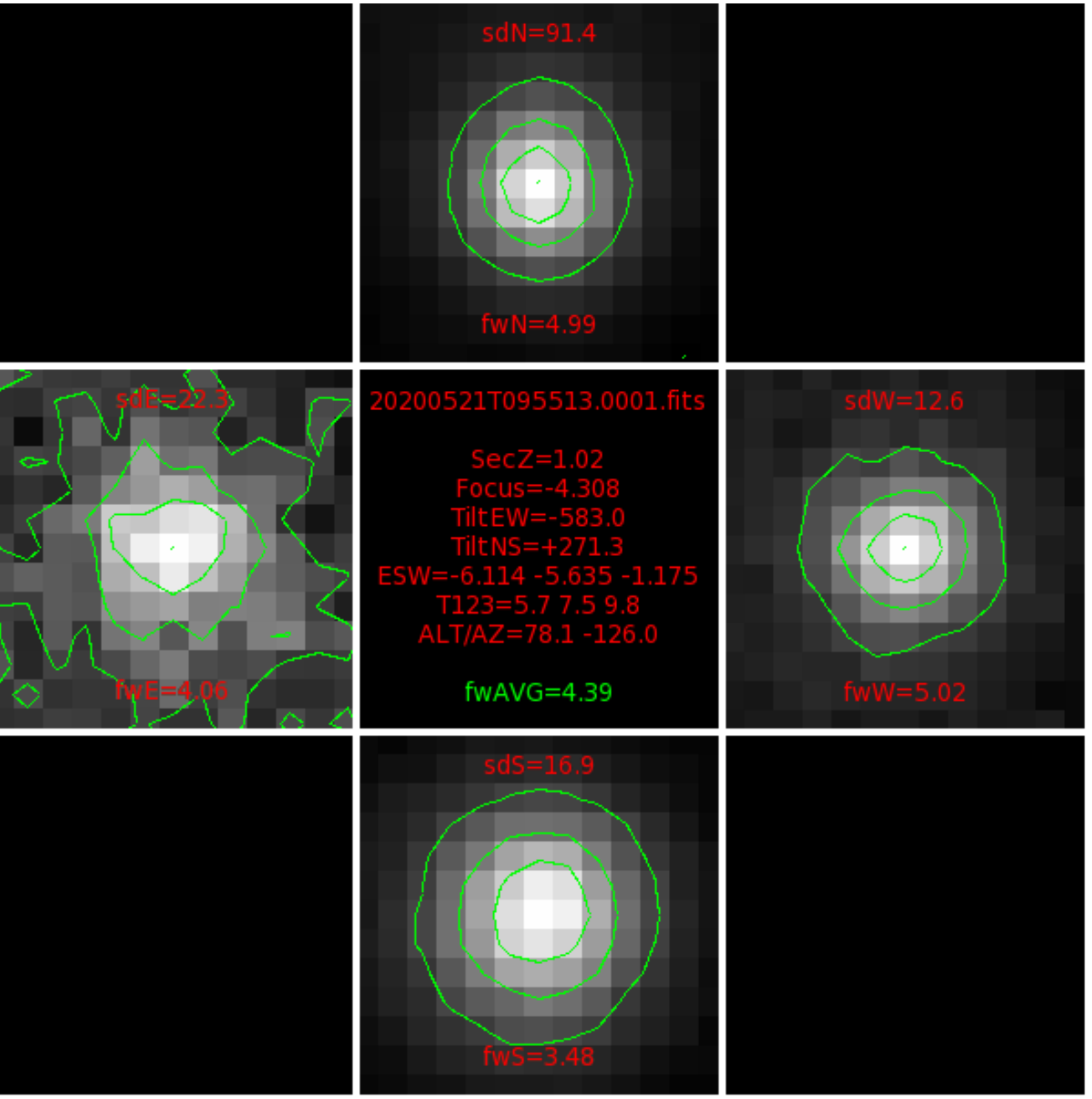

sdN=47.0
fwN=4.69
sdE=11.2
fwE=1.12
20200521T095444.0001.fits
SecZ=1.02
Focus=-4.308
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.114 -5.635 -1.175
T123=5.6 7.5 9.7
ALT/AZ=78.2 -126.4
sdW=11.4
fwW=0.00
sdS=12.2
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=91.4
fwN=4.99
sdE=22.3
fwE=4.06
20200521T095513.0001.fits
SecZ=1.02
Focus=-4.308
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.114 -5.635 -1.175
T123=5.7 7.5 9.8
ALT/AZ=78.1 -126.0
fwAVG=4.39
sdW=12.6
fwW=5.02
sdS=16.9
fwS=3.48
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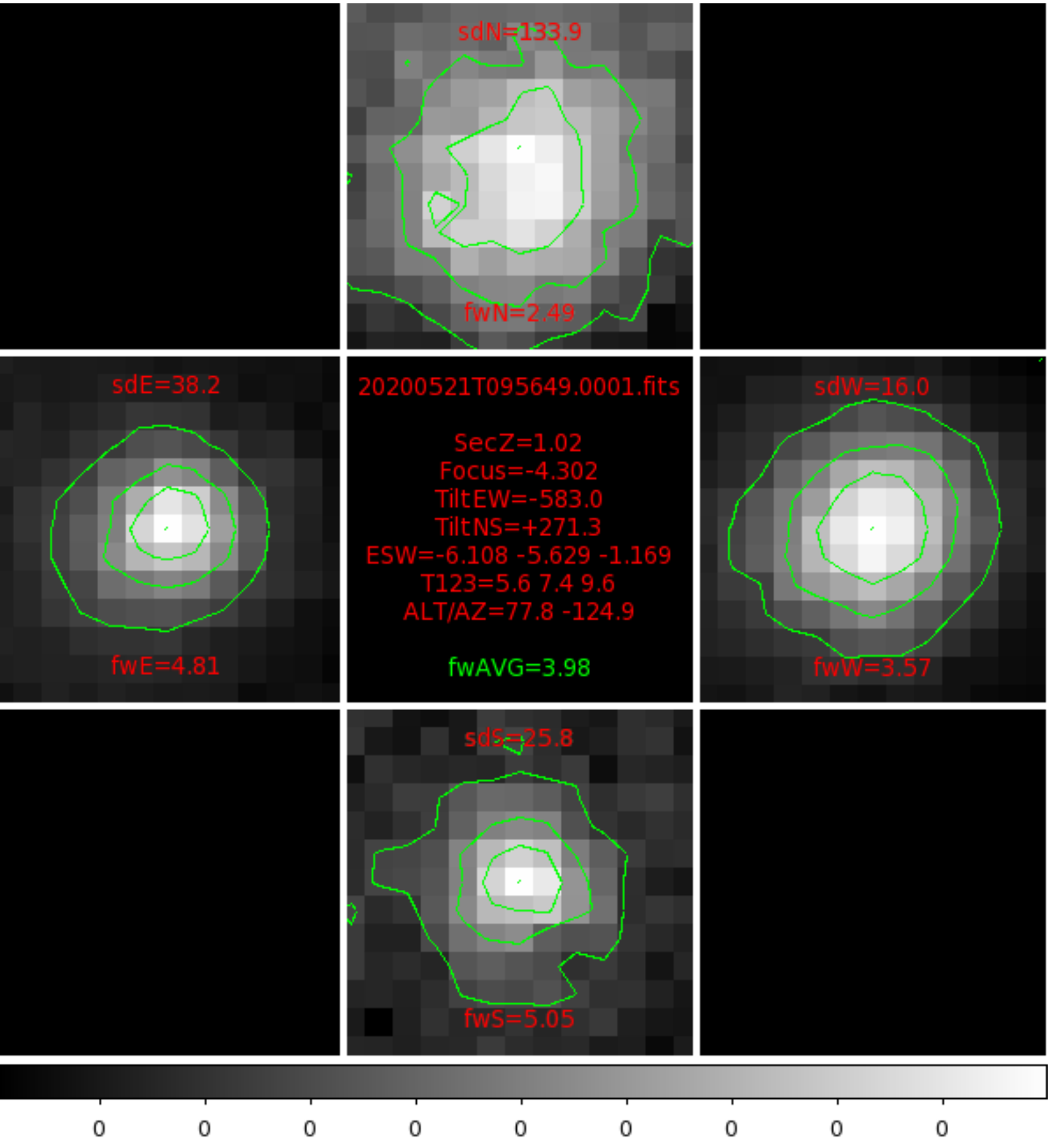
sdN=133.9
fwN=2.49
sdE=38.2
fwE=4.81
20200521T095649.0001.fits
SecZ=1.02
Focus=-4.302
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.108 -5.629 -1.169
T123=5.6 7.4 9.6
ALT/AZ=77.8 -124.9
fwAVG=3.98
sdW=16.0
fwW=3.57
sdS=25.8
fwS=5.05
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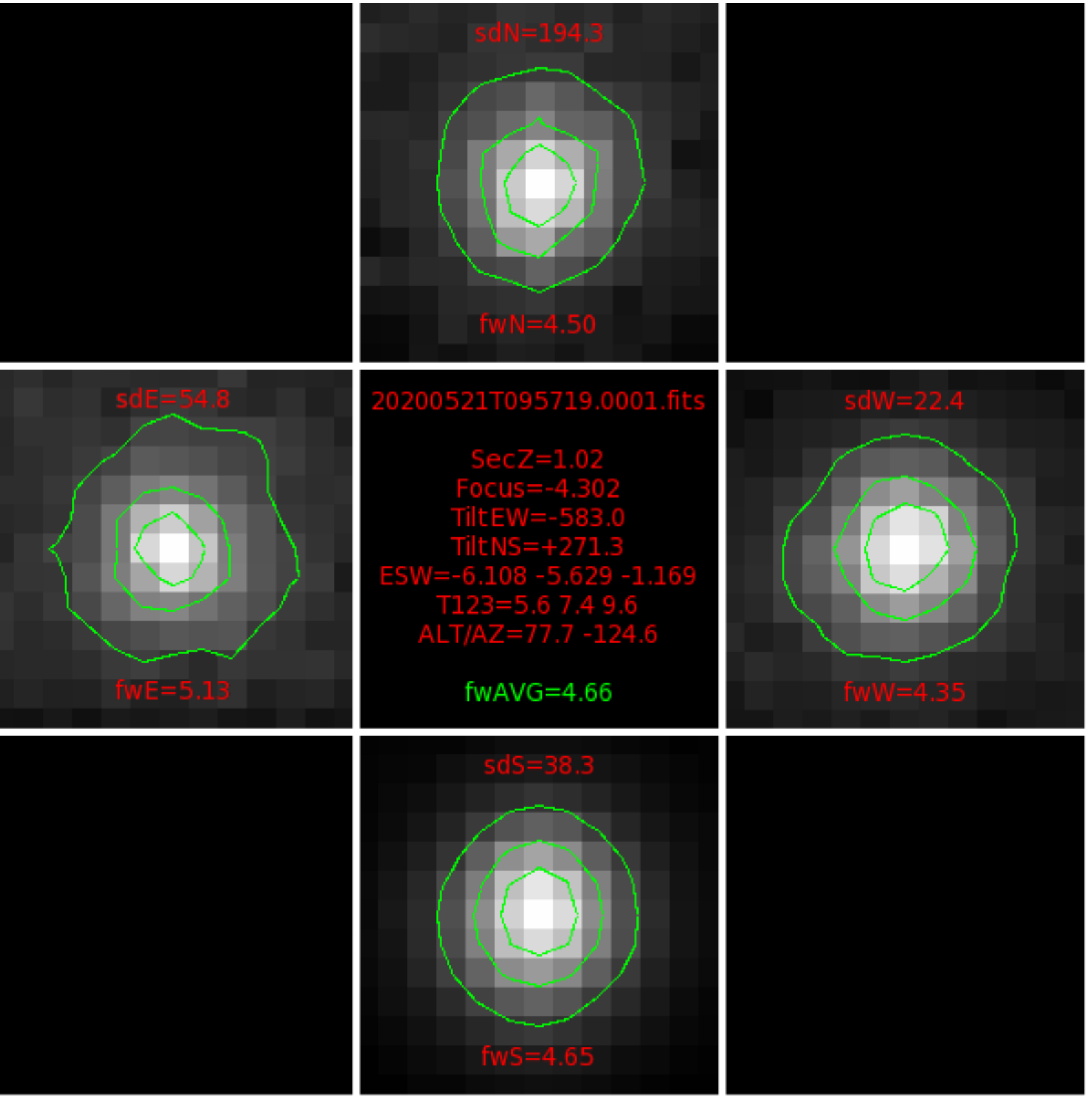
sdN=194.3
fwN=4.50
sdE=54.8
fwE=5.13
20200521T095719.0001.fits
SecZ=1.02
Focus=-4.302
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.108 -5.629 -1.169
T123=5.6 7.4 9.6
ALT/AZ=77.7 -124.6
fwAVG=4.66
sdW=22.4
fwW=4.35
sdS=38.3
fwS=4.65
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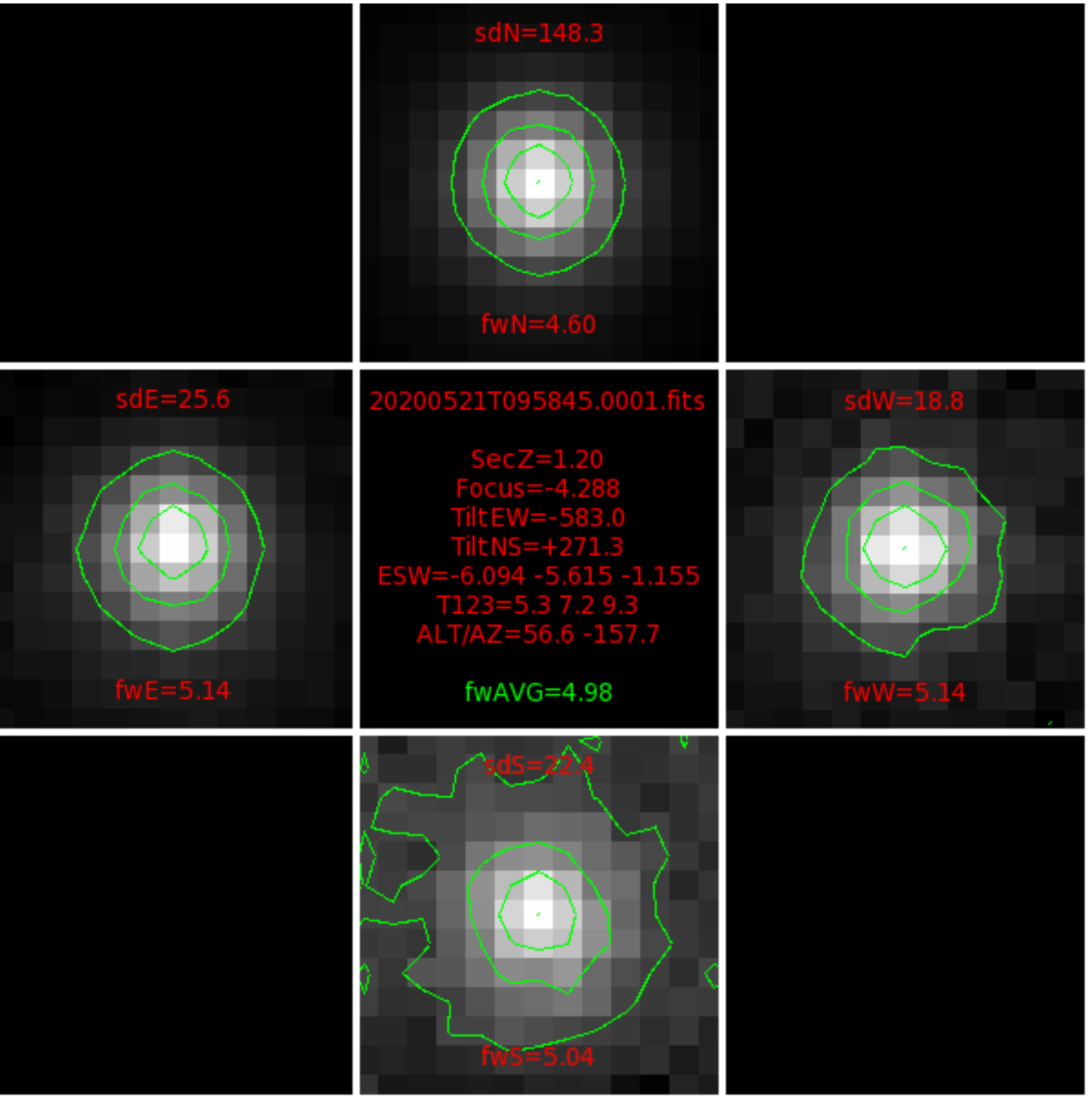
sdN=148.3
fwN=4.60
sdE=25.6
fwE=5.14
20200521T095845.0001.fits
SecZ=1.20
Focus=-4.288
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.094 -5.615 -1.155
T123=5.3 7.2 9.3
ALT/AZ=56.6 -157.7
fwAVG=4.98
sdW=18.8
fwW=5.14
sdS=22.4
fwS=5.04
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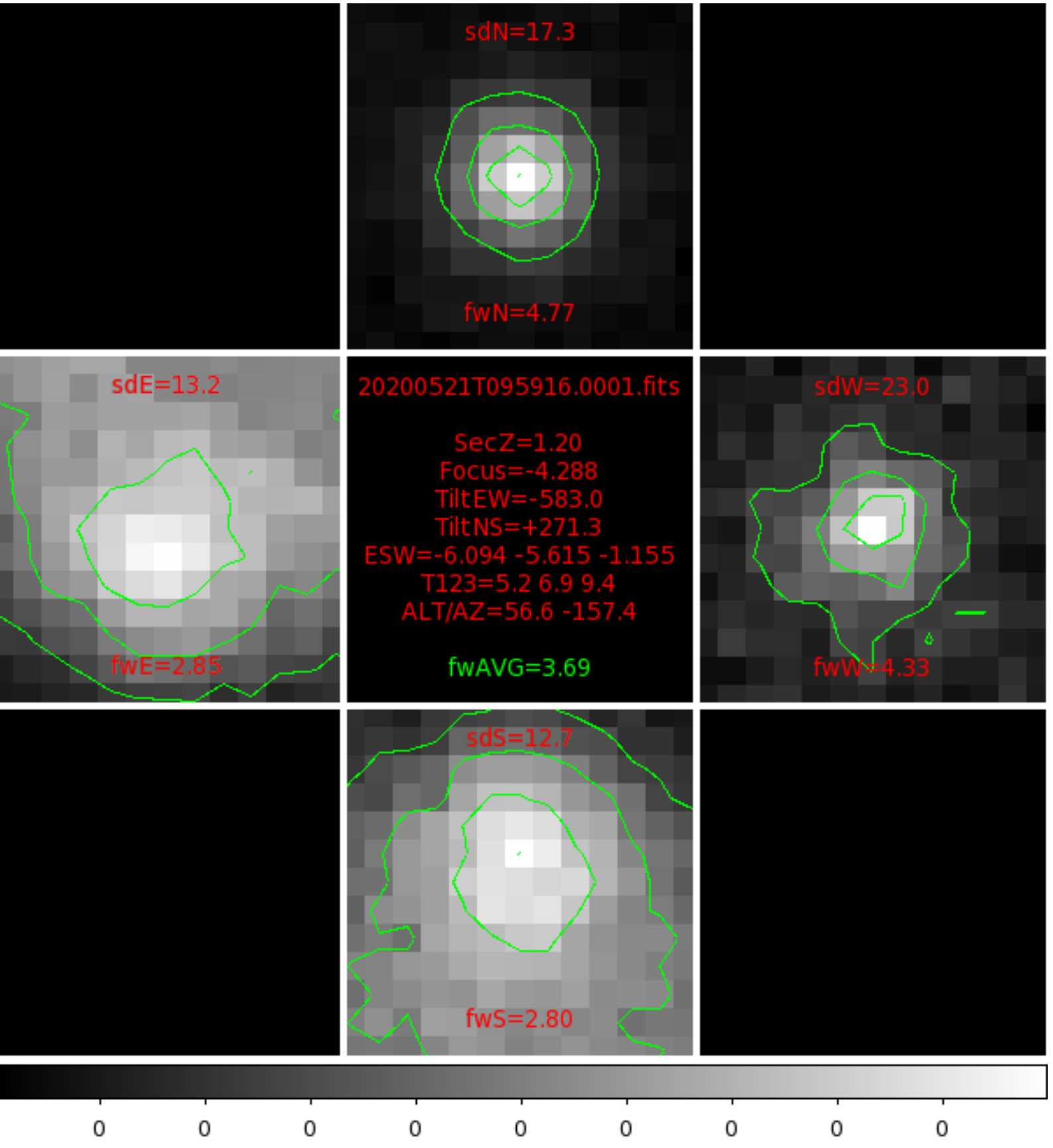
sdN=17.3
fwN=4.77
sdE=13.2
fwE=2.85
20200521T095916.0001.fits
SecZ=1.20
Focus=-4.288
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.094 -5.615 -1.155
T123=5.2 6.9 9.4
ALT/AZ=56.6 -157.4
fwAVG=3.69
sdW=23.0
fwW=4.33
sdS=12.7
fwS=2.80
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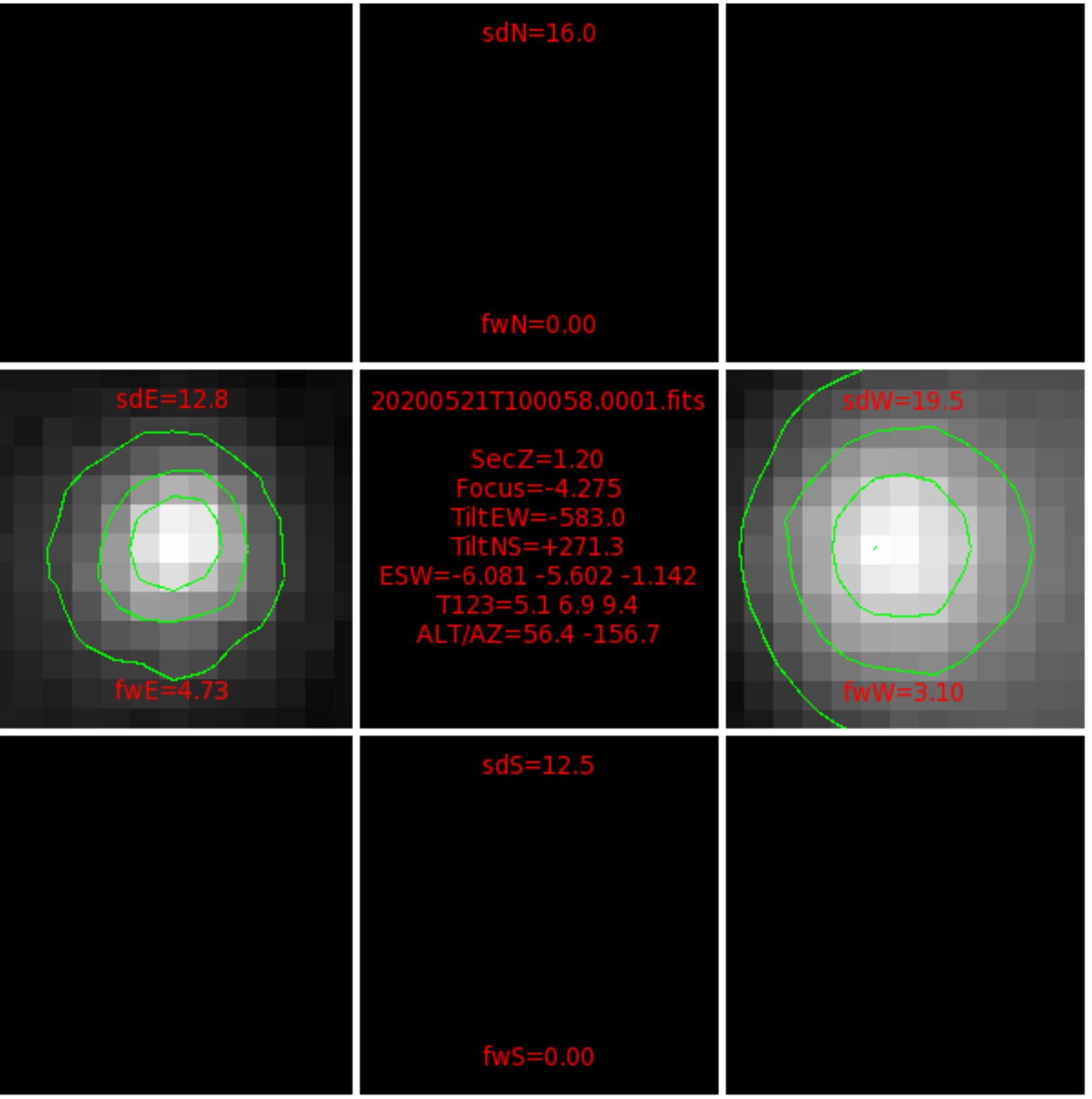
sdN=16.0
fwN=0.00
sdE=12.8
fwE=4.73
20200521T100058.0001.fits
SecZ=1.20
Focus=-4.275
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.081 -5.602 -1.142
T123=5.1 6.9 9.4
ALT/AZ=56.4 -156.7
sdW=19.5
fwW=3.10
sdS=12.5
fwS=0.00
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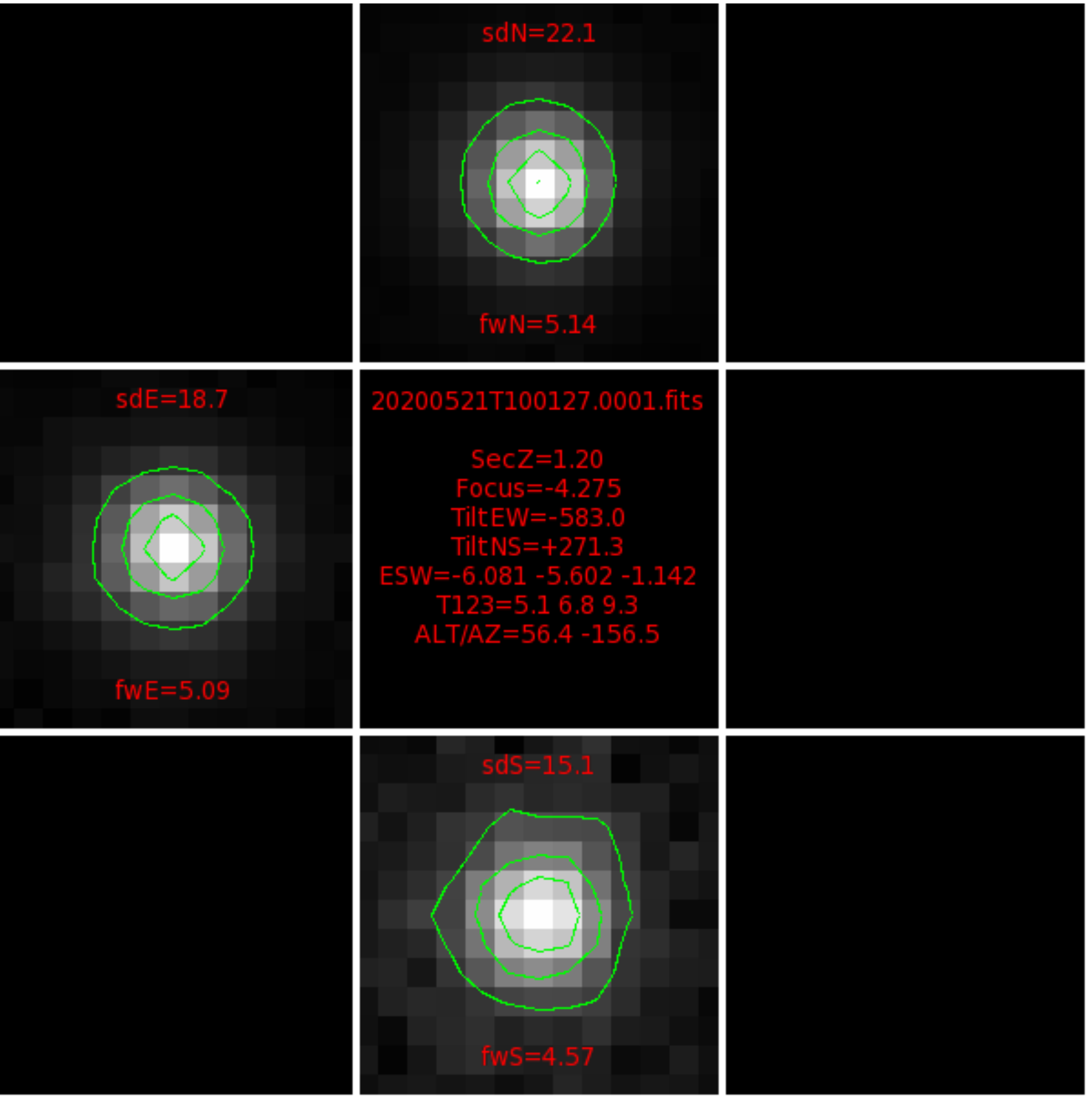
sdN=22.1
fwN=5.14
sdE=18.7
fwE=5.09
20200521T100127.0001.fits
SecZ=1.20
Focus=-4.275
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.081 -5.602 -1.142
T123=5.1 6.8 9.3
ALT/AZ=56.4 -156.5
sdS=15.1
fwS=4.57
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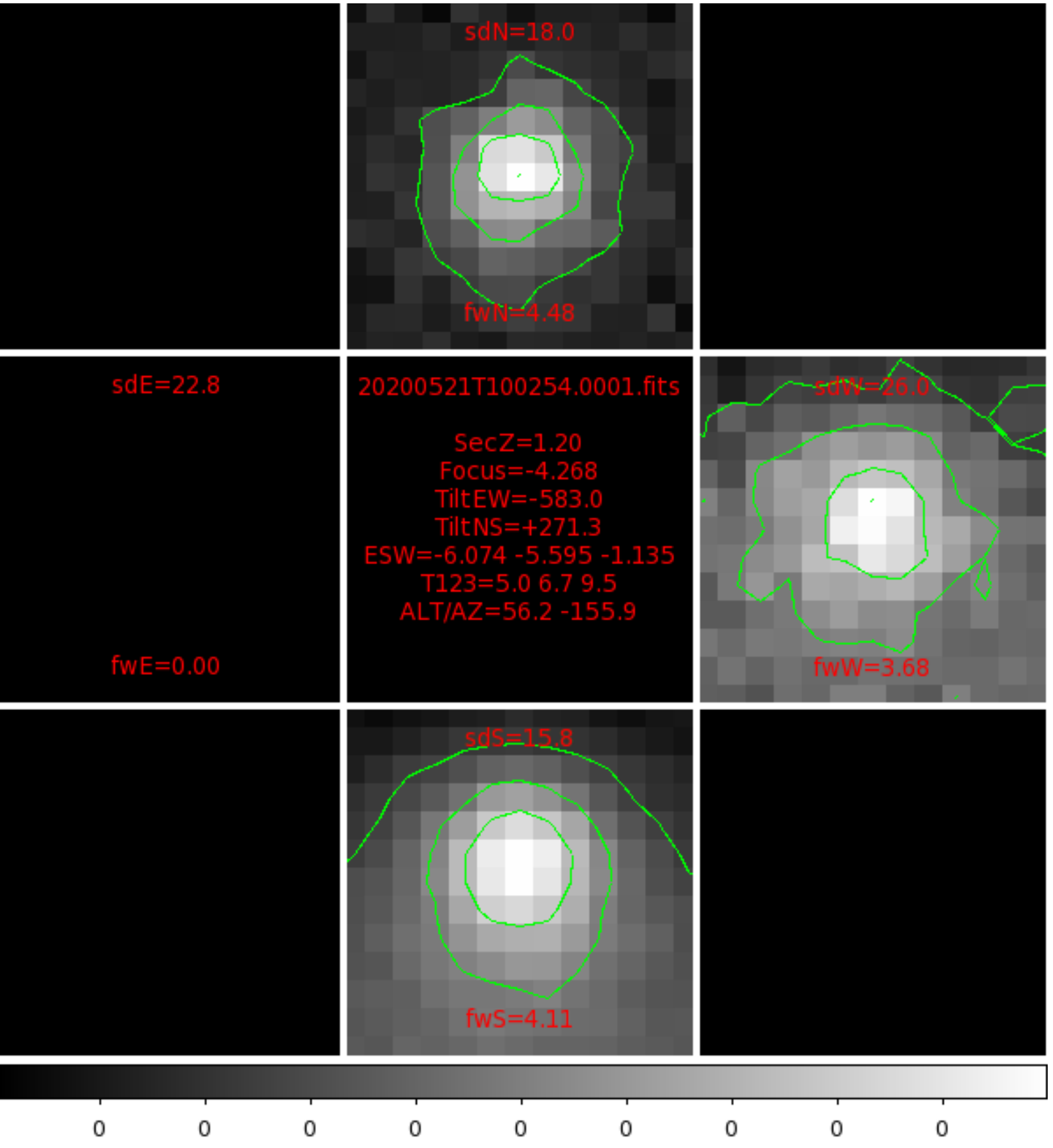
sdN=18.0
fwN=4.48
sdE=22.8
fwE=0.00
20200521T100254.0001.fits
SecZ=1.20
Focus=-4.268
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.074 -5.595 -1.135
T123=5.0 6.7 9.5
ALT/AZ=56.2 -155.9
sdW=26.0
fwW=3.68
sdS=15.8
fwS=4.11
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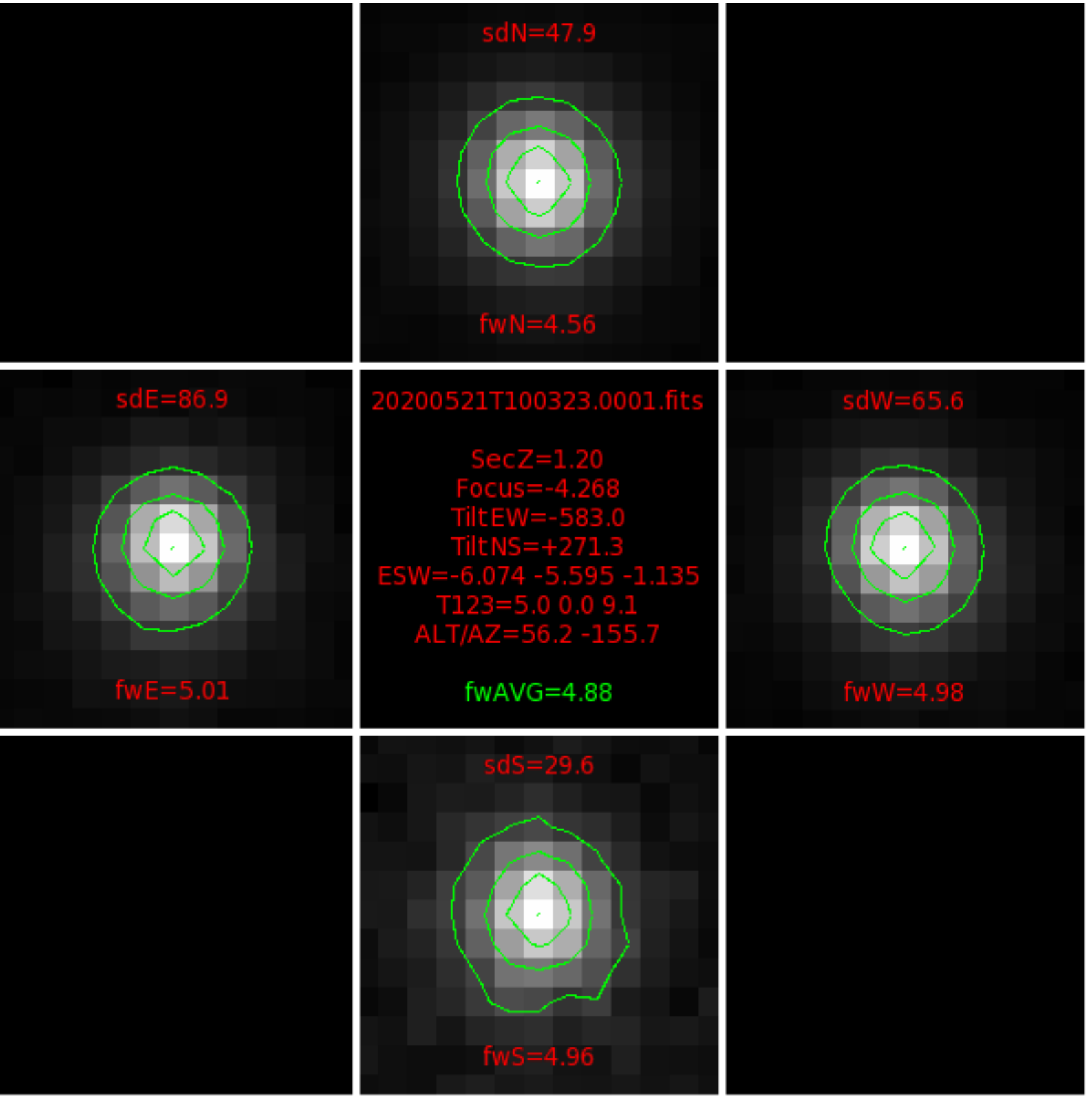
sdN=47.9
fwN=4.56
sdE=86.9
fwE=5.01
20200521T100323.0001.fits
SecZ=1.20
Focus=-4.268
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.074 -5.595 -1.135
T123=5.0 0.0 9.1
ALT/AZ=56.2 -155.7
fwAVG=4.88
sdW=65.6
fwW=4.98
sdS=29.6
fwS=4.96
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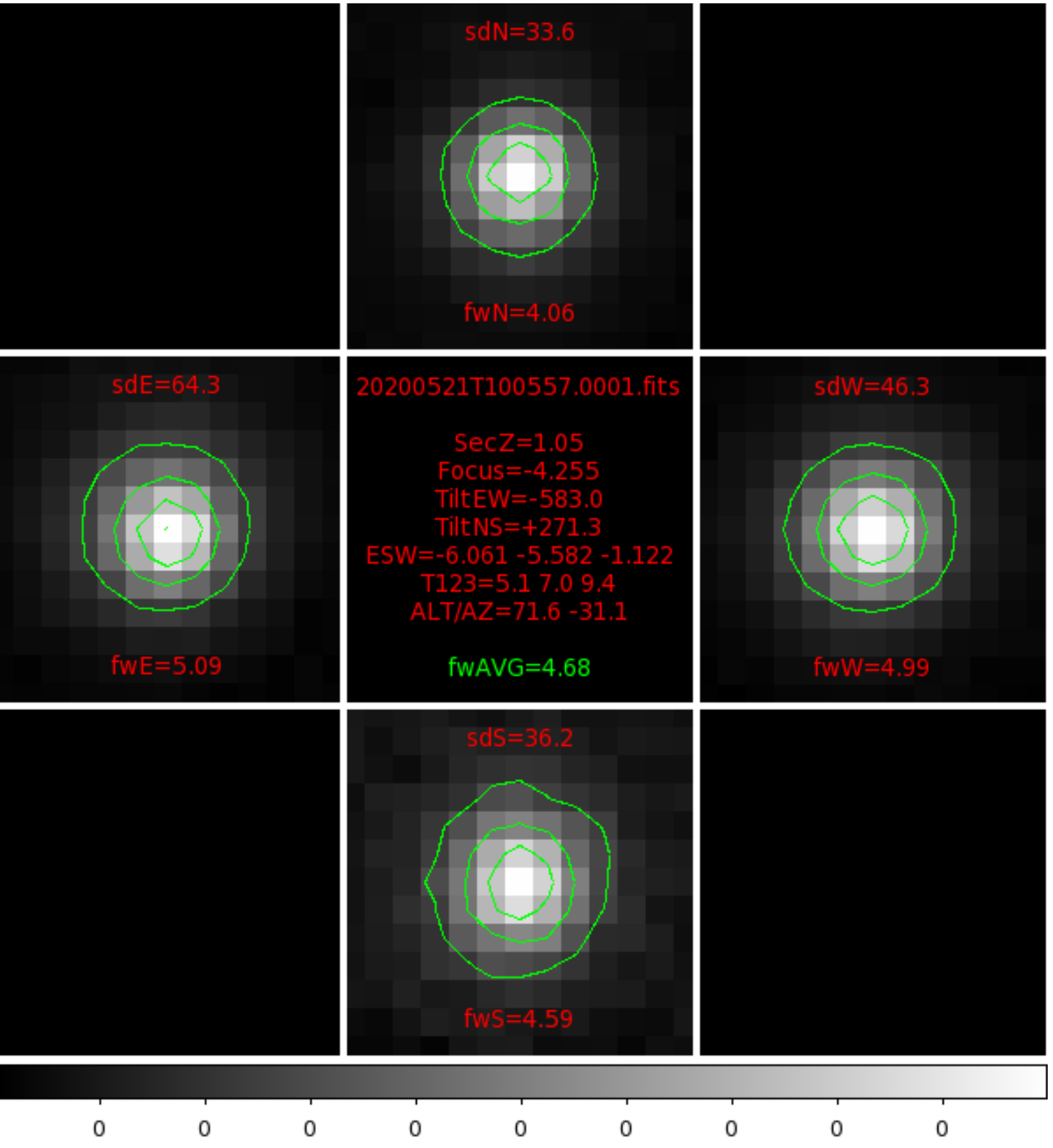
sdN=33.6
fwN=4.06
sdE=64.3
fwE=5.09
20200521T100557.0001.fits
SecZ=1.05
Focus=-4.255
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.061 -5.582 -1.122
T123=5.1 7.0 9.4
ALT/AZ=71.6 -31.1
fwAVG=4.68
sdW=46.3
fwW=4.99
sdS=36.2
fwS=4.59
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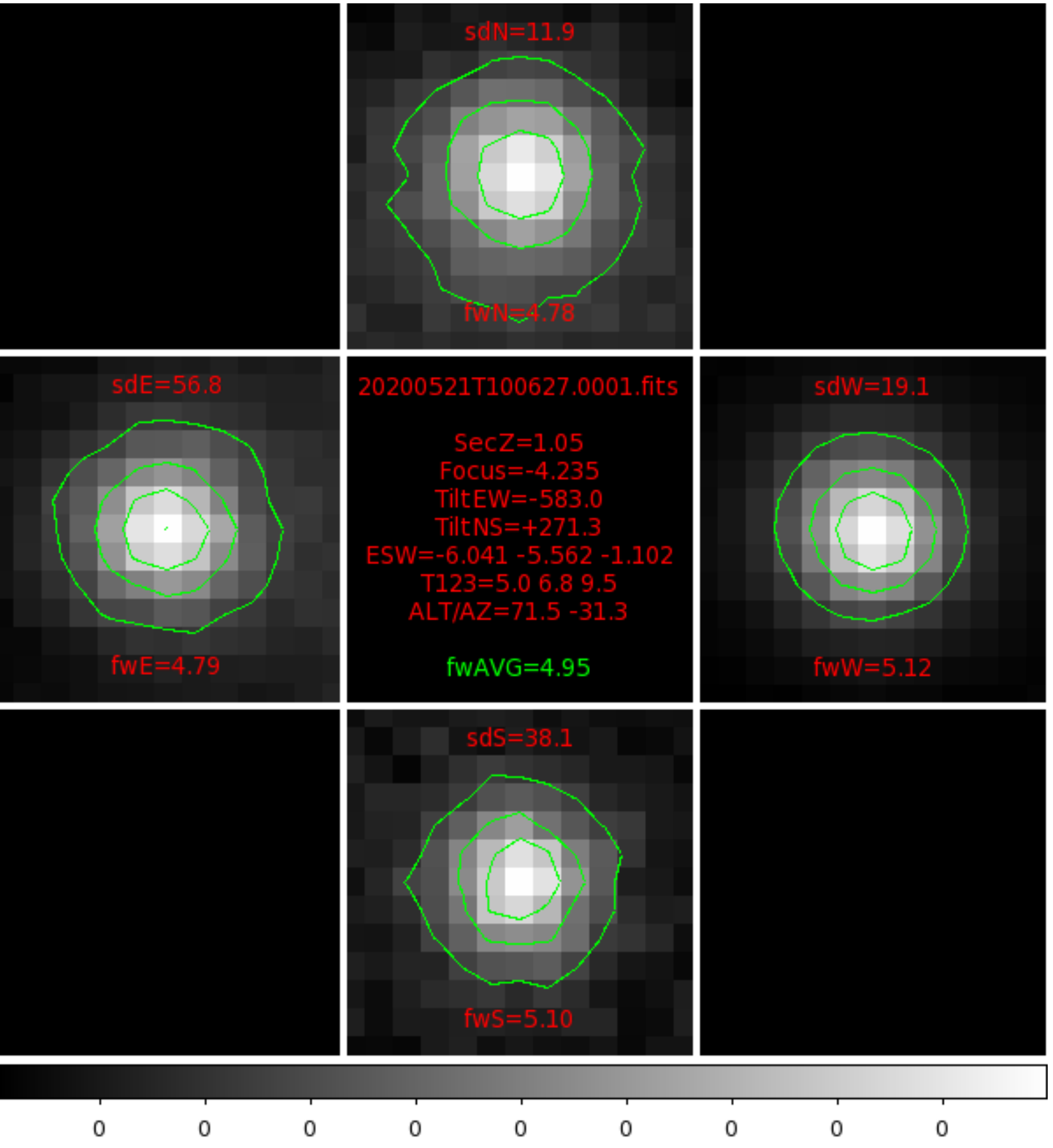
sdN=11.9
fwN=4.78
sdE=56.8
fwE=4.79
20200521T100627.0001.fits
SecZ=1.05
Focus=-4.235
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.041 -5.562 -1.102
T123=5.0 6.8 9.5
ALT/AZ=71.5 -31.3
fwAVG=4.95
sdW=19.1
fwW=5.12
sdS=38.1
fwS=5.10
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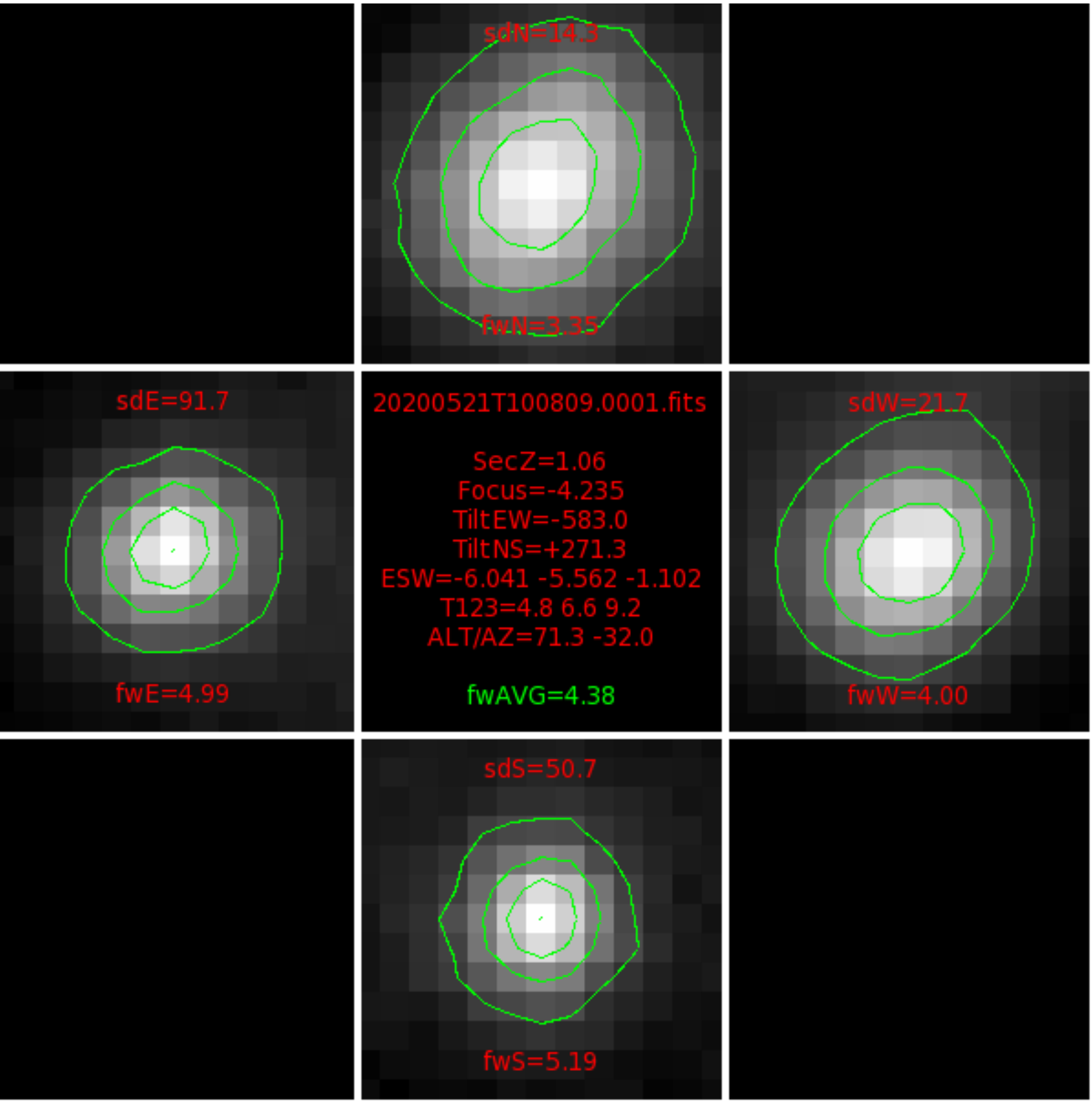
sdN=14.3
fwN=3.35
sdE=91.7
fwE=4.99
20200521T100809.0001.fits
SecZ=1.06
Focus=-4.235
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.041 -5.562 -1.102
T123=4.8 6.6 9.2
ALT/AZ=71.3 -32.0
fwAVG=4.38
sdW=21.7
fwW=4.00
sdS=50.7
fwS=5.19
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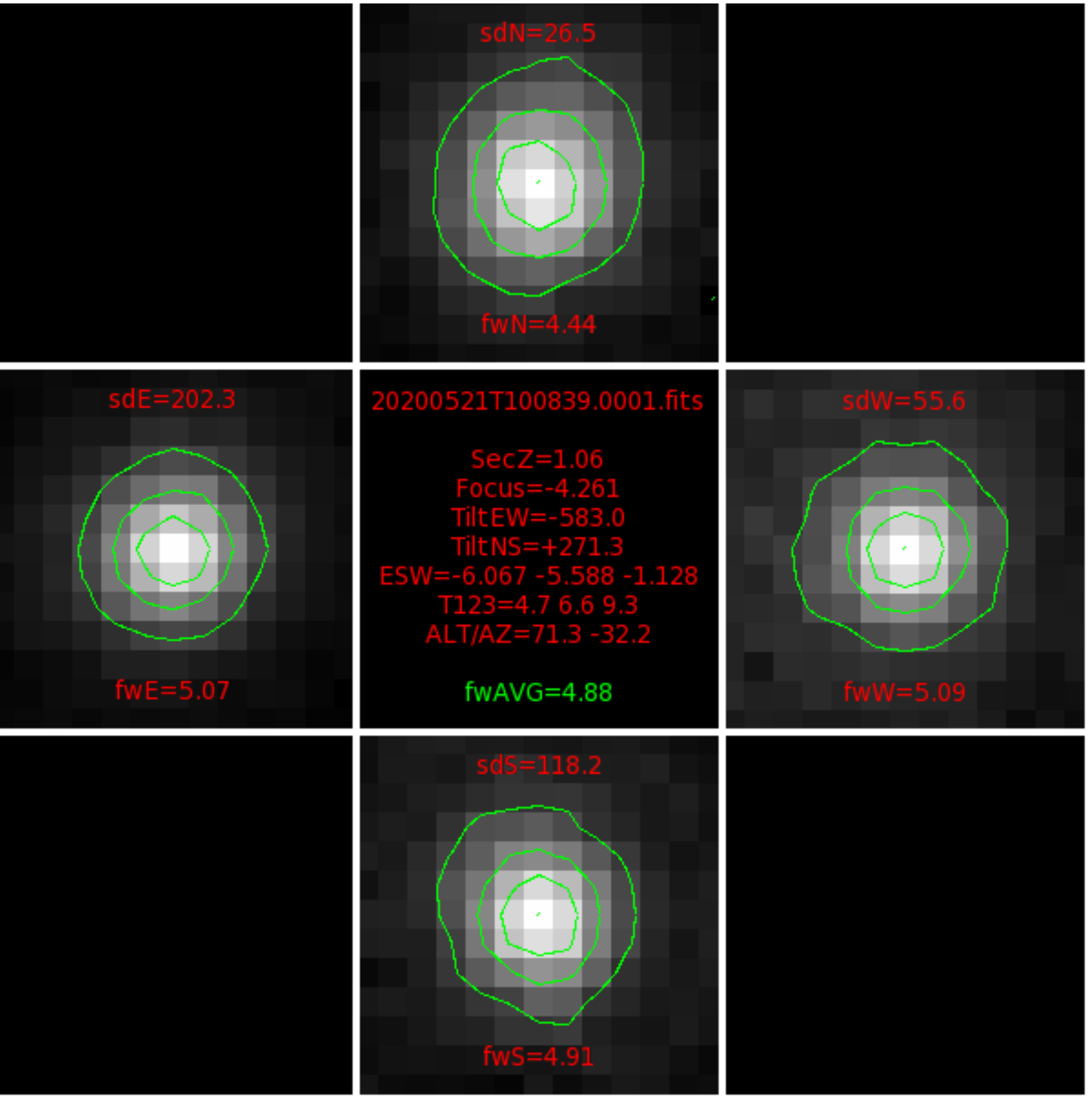
sdN=26.5
fwN=4.44
sdE=202.3
fwE=5.07
20200521T100839.0001.fits
SecZ=1.06
Focus=-4.261
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.067 -5.588 -1.128
T123=4.7 6.6 9.3
ALT/AZ=71.3 -32.2
fwAVG=4.88
sdW=55.6
fwW=5.09
sdS=118.2
fwS=4.91
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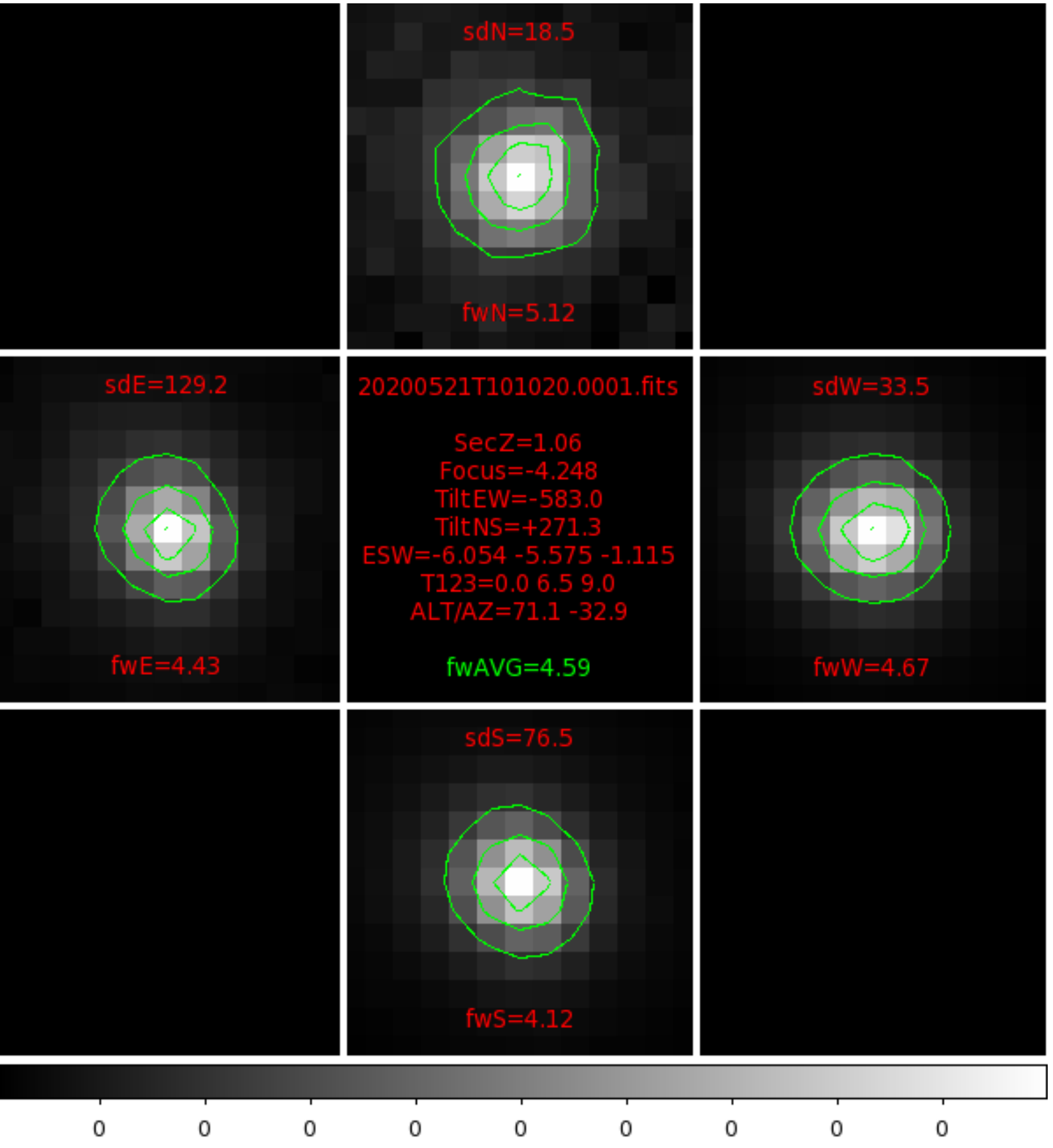
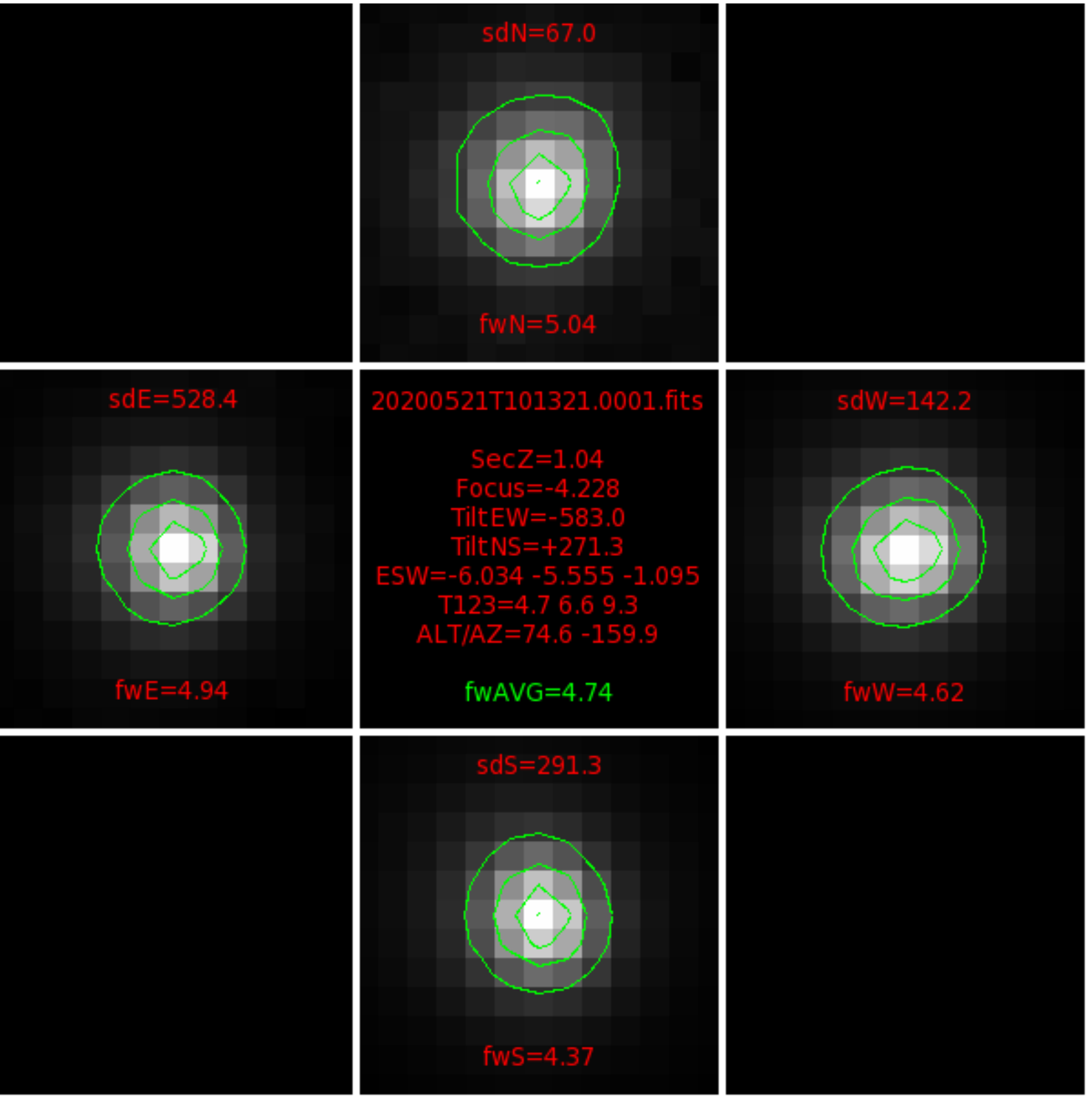

sdN=18.5
fwN=5.12
sdE=129.2
fwE=4.43
20200521T101020.0001.fits
SecZ=1.06
Focus=-4.248
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.054 -5.575 -1.115
T123=0.0 6.5 9.0
ALT/AZ=71.1 -32.9
fwAVG=4.59
sdW=33.5
fwW=4.67
sdS=76.5
fwS=4.12
0 0 0 0 0 0 0 0 0


sdN=67.0
fwN=5.04
sdE=528.4
fwE=4.94
20200521T101321.0001.fits
SecZ=1.04
Focus=-4.228
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.034 -5.555 -1.095
T123=4.7 6.6 9.3
ALT/AZ=74.6 -159.9
fwAVG=4.74
sdW=142.2
fwW=4.62
sdS=291.3
fwS=4.37
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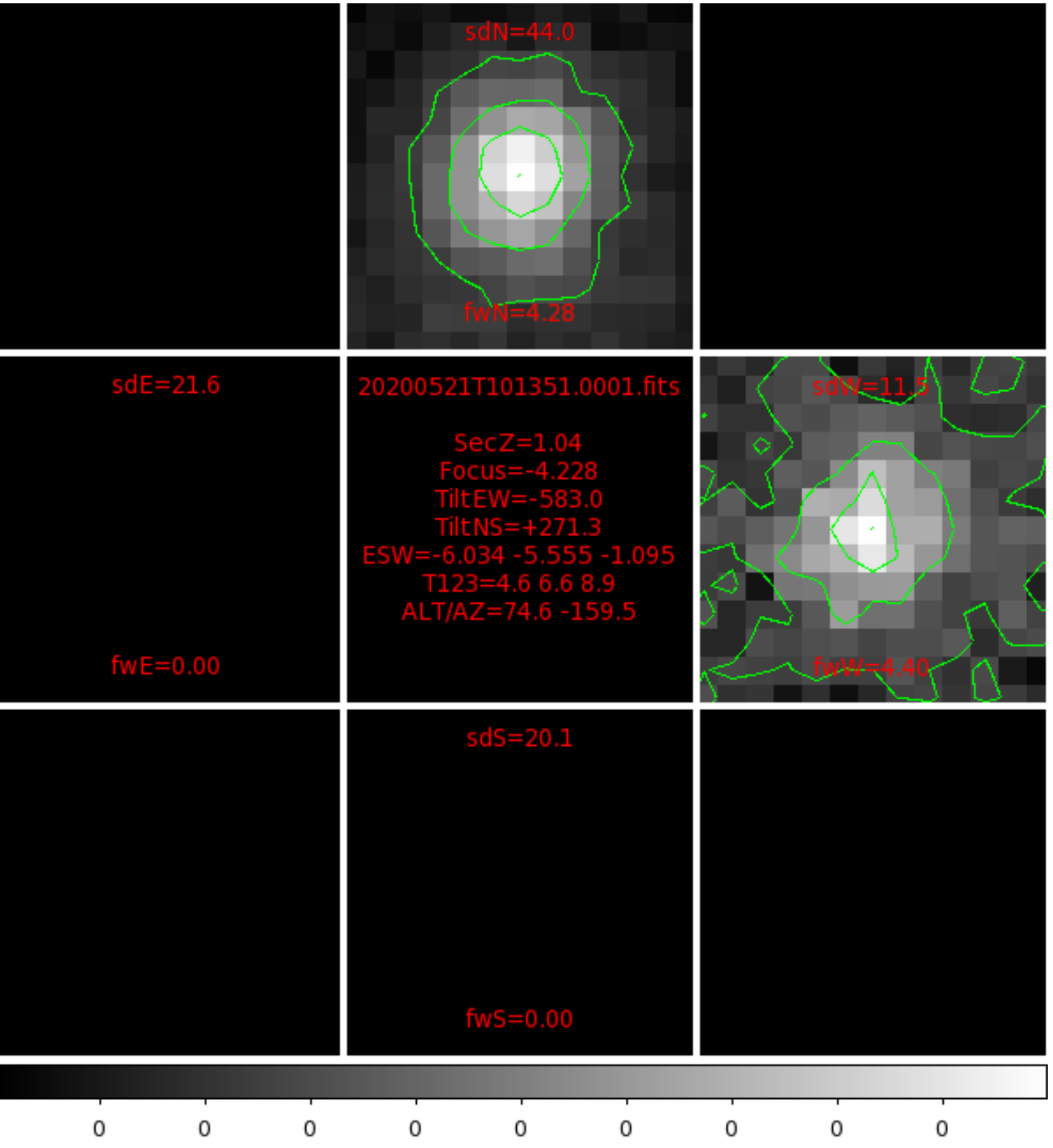
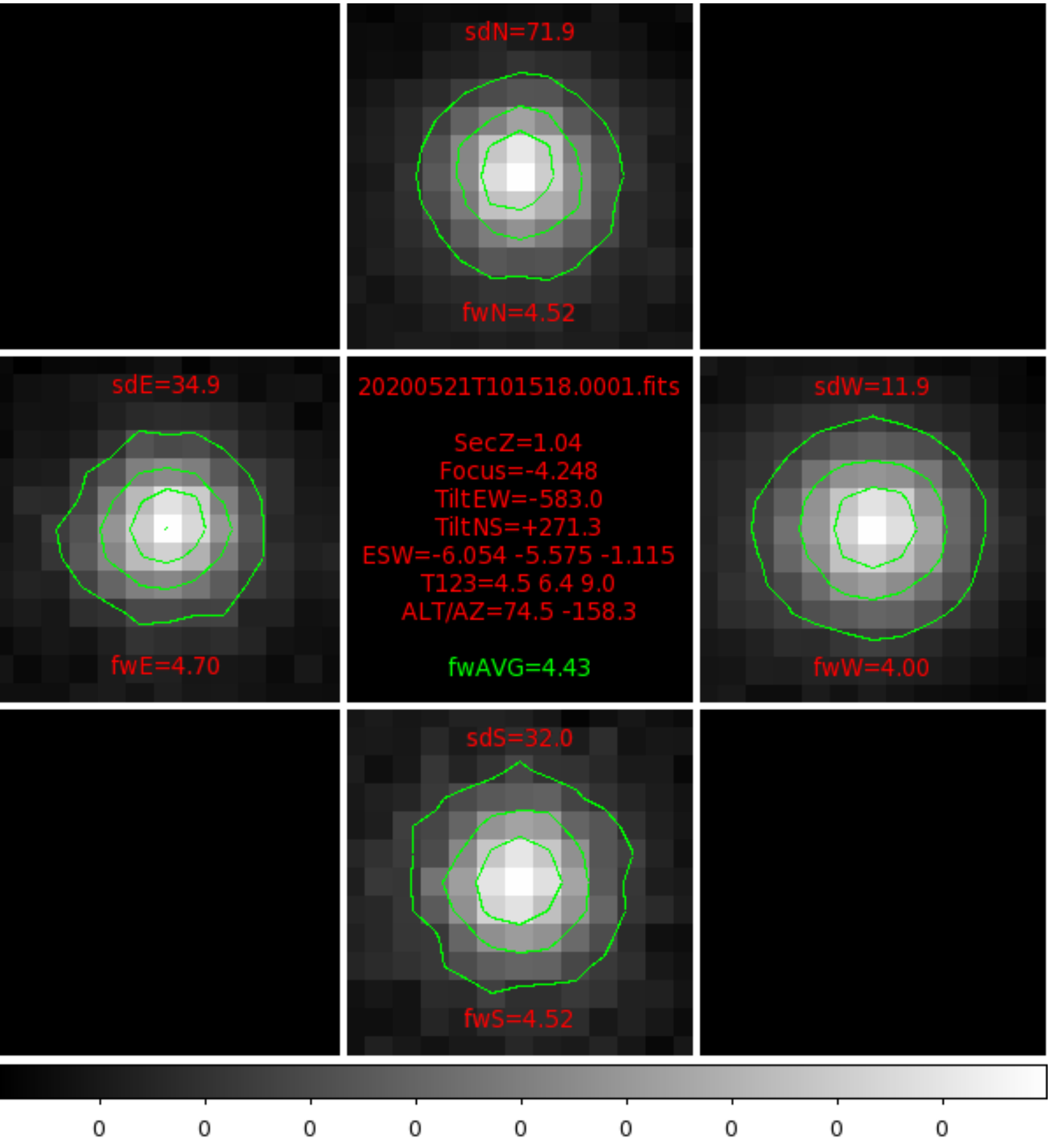

sdN=44.0
fwN=4.28
sdE=21.6
fwE=0.00
20200521T101351.0001.fits
SecZ=1.04
Focus=-4.228
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.034 -5.555 -1.095
T123=4.6 6.6 8.9
ALT/AZ=74.6 -159.5
sdW=11.5
fwW=4.40
sdS=20.1
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=71.9
fwN=4.52
sdE=34.9
fwE=4.70
20200521T101518.0001.fits
SecZ=1.04
Focus=-4.248
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.054 -5.575 -1.115
T123=4.5 6.4 9.0
ALT/AZ=74.5 -158.3
fwAVG=4.43
sdW=11.9
fwW=4.00
sdS=32.0
fwS=4.52
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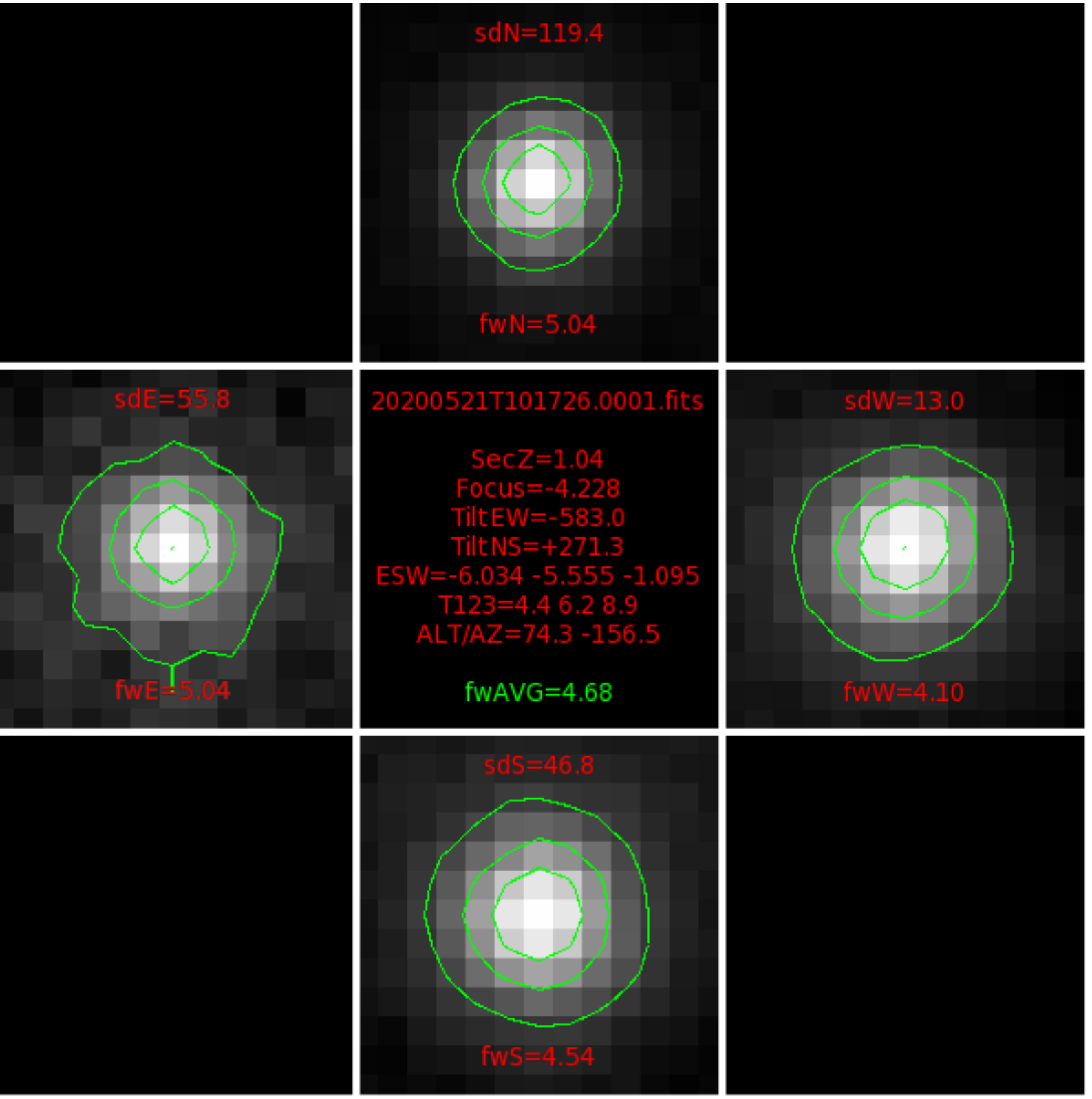
sdN=119.4
fwN=5.04
sdE=55.8
fwE=5.04
20200521T101726.0001.fits
SecZ=1.04
Focus=-4.228
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.034 -5.555 -1.095
T123=4.4 6.2 8.9
ALT/AZ=74.3 -156.5
fwAVG=4.68
sdW=13.0
fwW=4.10
sdS=46.8
fwS=4.54
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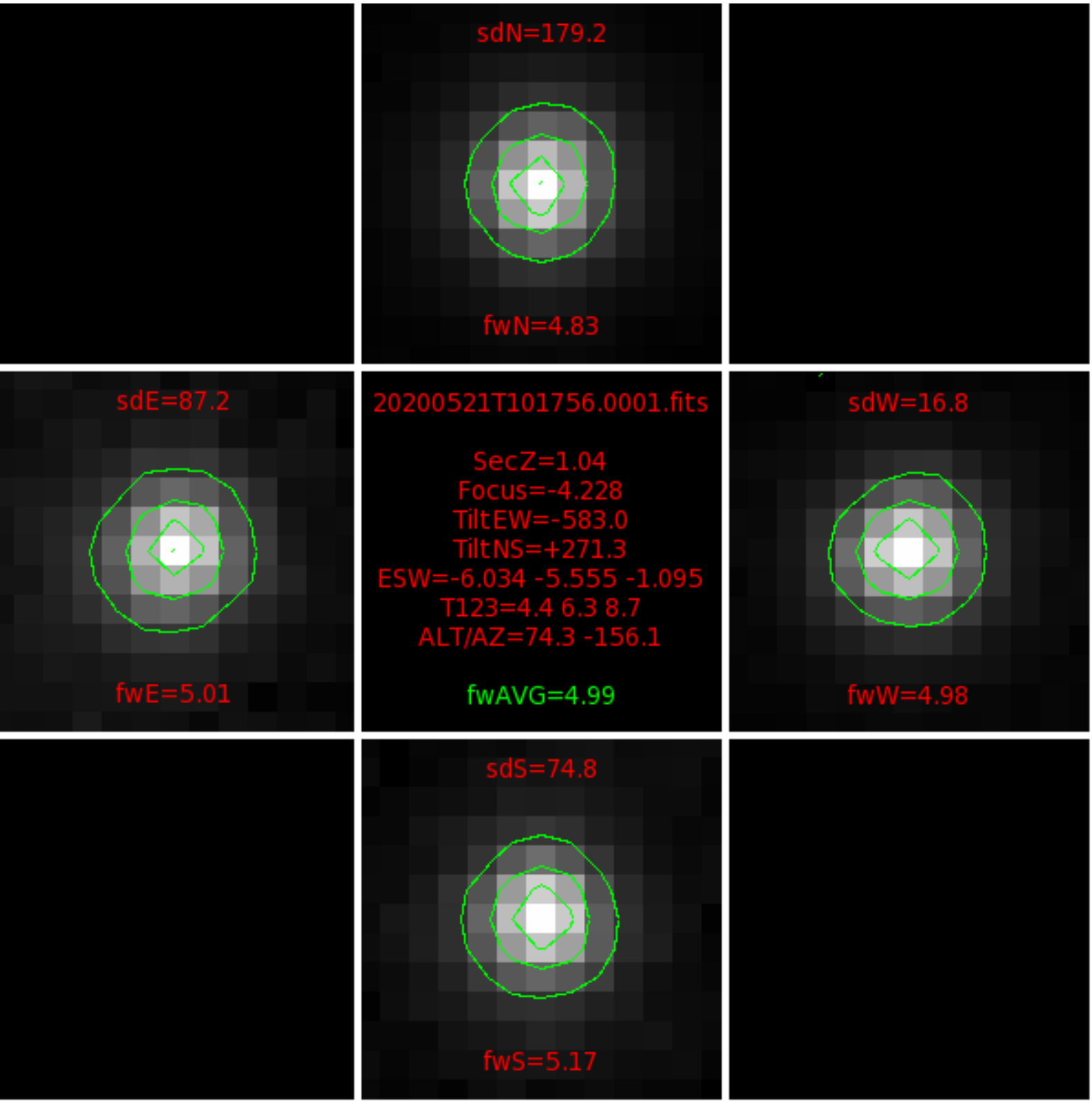
sdN=179.2
fwN=4.83
sdE=87.2
fwE=5.01
20200521T101756.0001.fits
SecZ=1.04
Focus=-4.228
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.034 -5.555 -1.095
T123=4.4 6.3 8.7
ALT/AZ=74.3 -156.1
fwAVG=4.99
sdW=16.8
fwW=4.98
sdS=74.8
fwS=5.17
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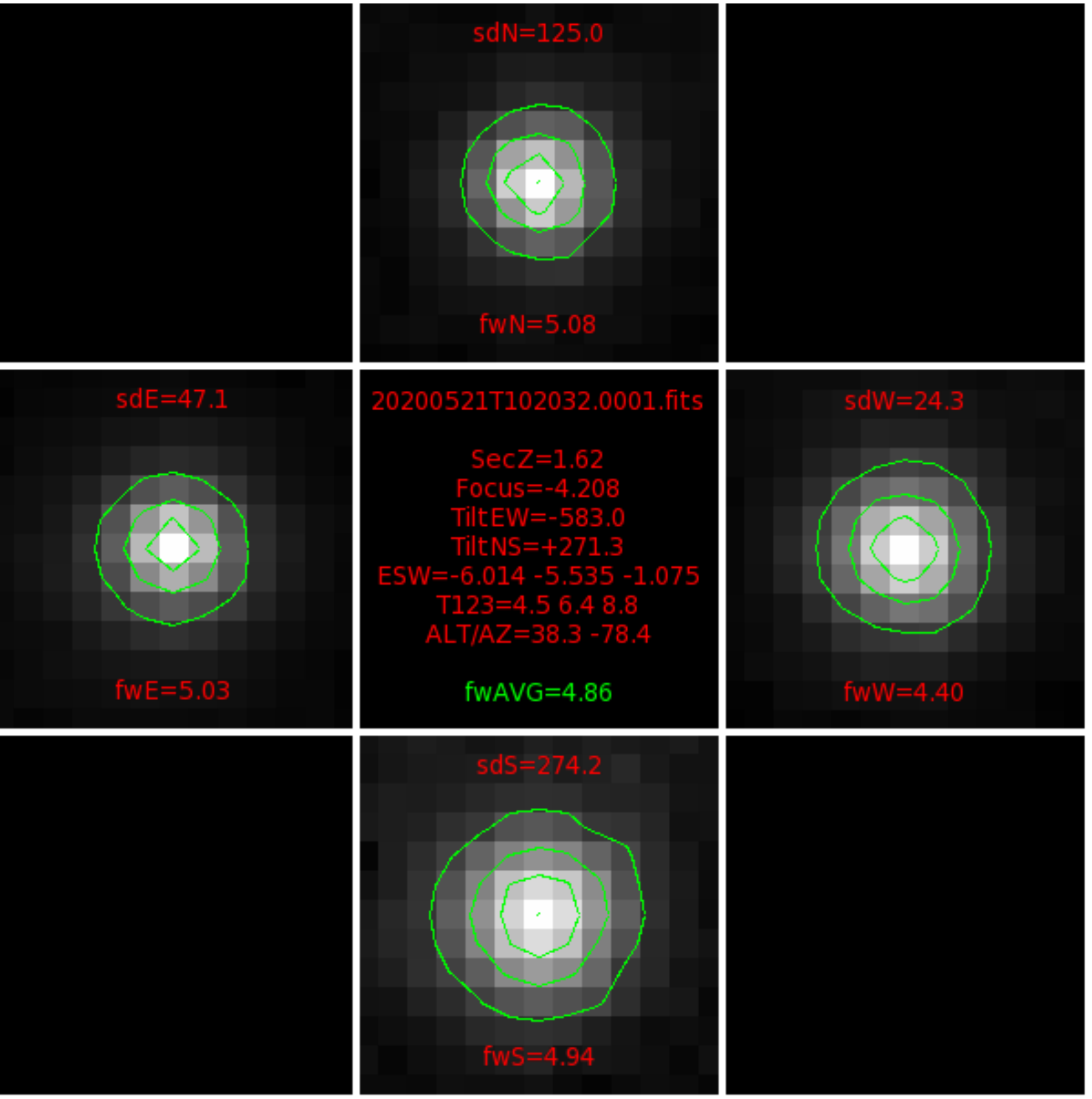
sdN=125.0
fwN=5.08
sdE=47.1
fwE=5.03
20200521T102032.0001.fits
SecZ=1.62
Focus=-4.208
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.014 -5.535 -1.075
T123=4.5 6.4 8.8
ALT/AZ=38.3 -78.4
fwAVG=4.86
sdW=24.3
fwW=4.40
sdS=274.2
fwS=4.94
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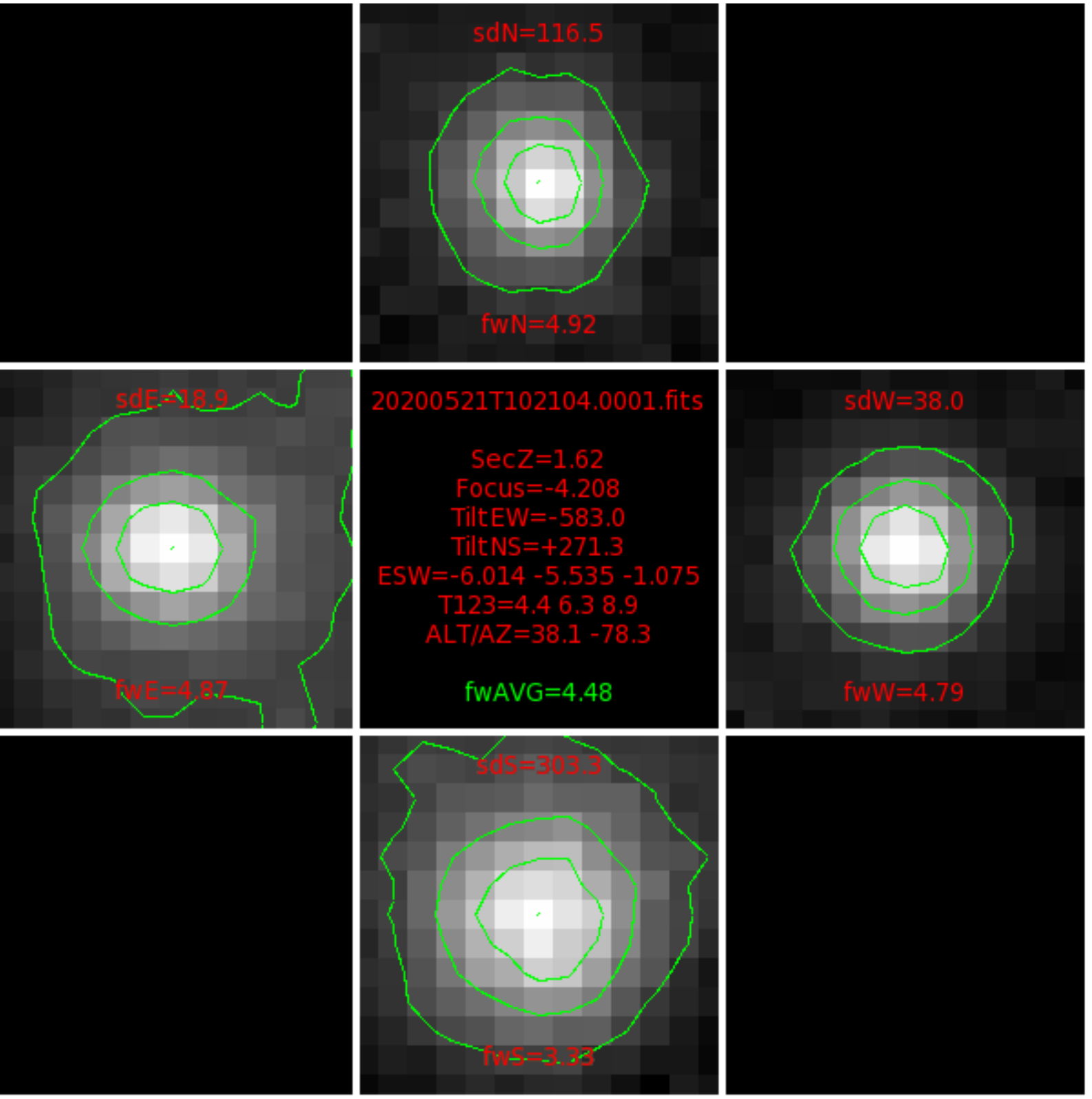
sdN=116.5
fwN=4.92
sdE=18.9
fwE=4.87
20200521T102104.0001.fits
SecZ=1.62
Focus=-4.208
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.014 -5.535 -1.075
T123=4.4 6.3 8.9
ALT/AZ=38.1 -78.3
fwAVG=4.48
sdW=38.0
fwW=4.79
sdS=303.3
fwS=3.33
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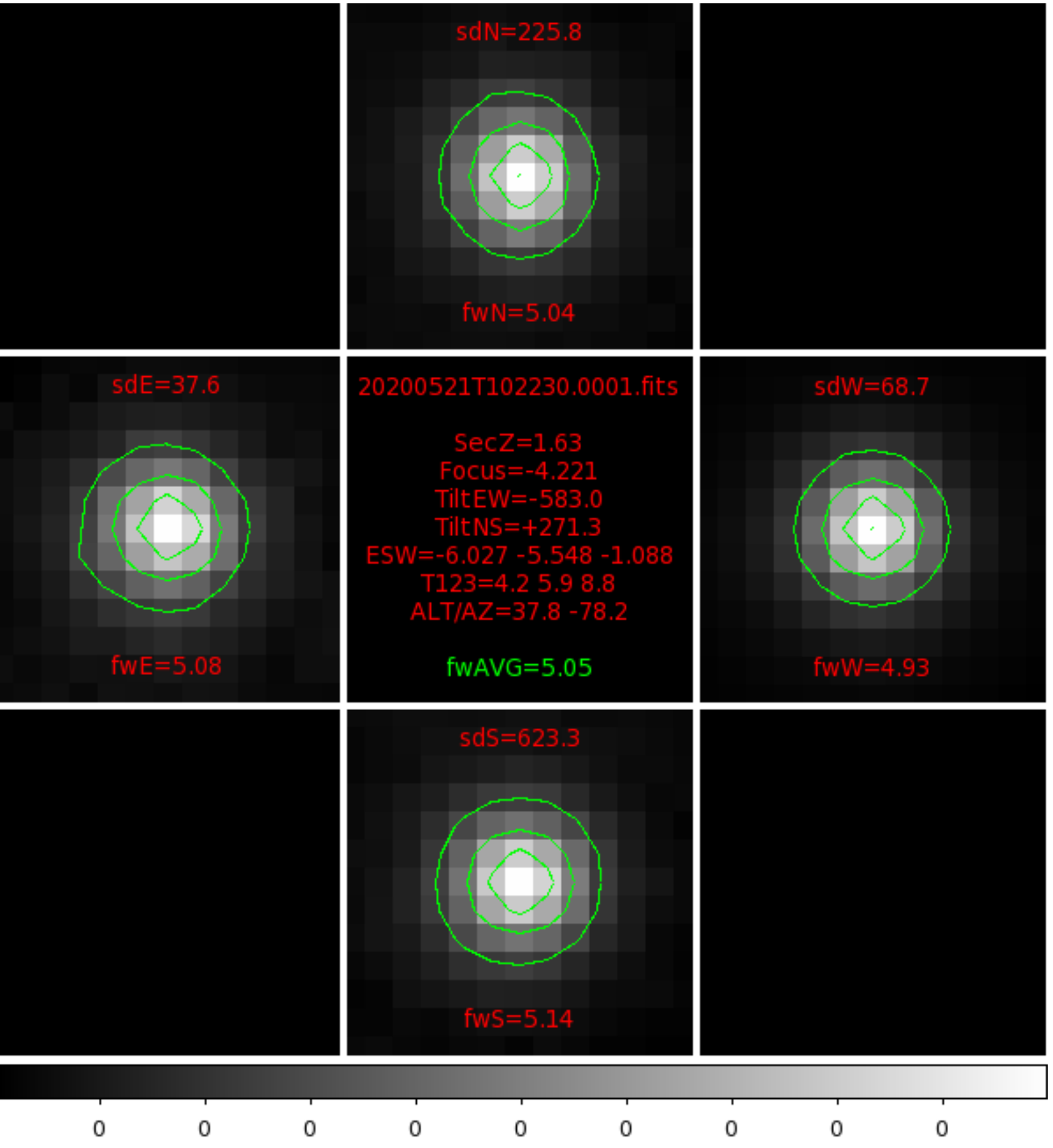
sdN=225.8
fwN=5.04
sdE=37.6
fwE=5.08
20200521T102230.0001.fits
SecZ=1.63
Focus=-4.221
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.027 -5.548 -1.088
T123=4.2 5.9 8.8
ALT/AZ=37.8 -78.2
fwAVG=5.05
sdW=68.7
fwW=4.93
sdS=623.3
fwS=5.14
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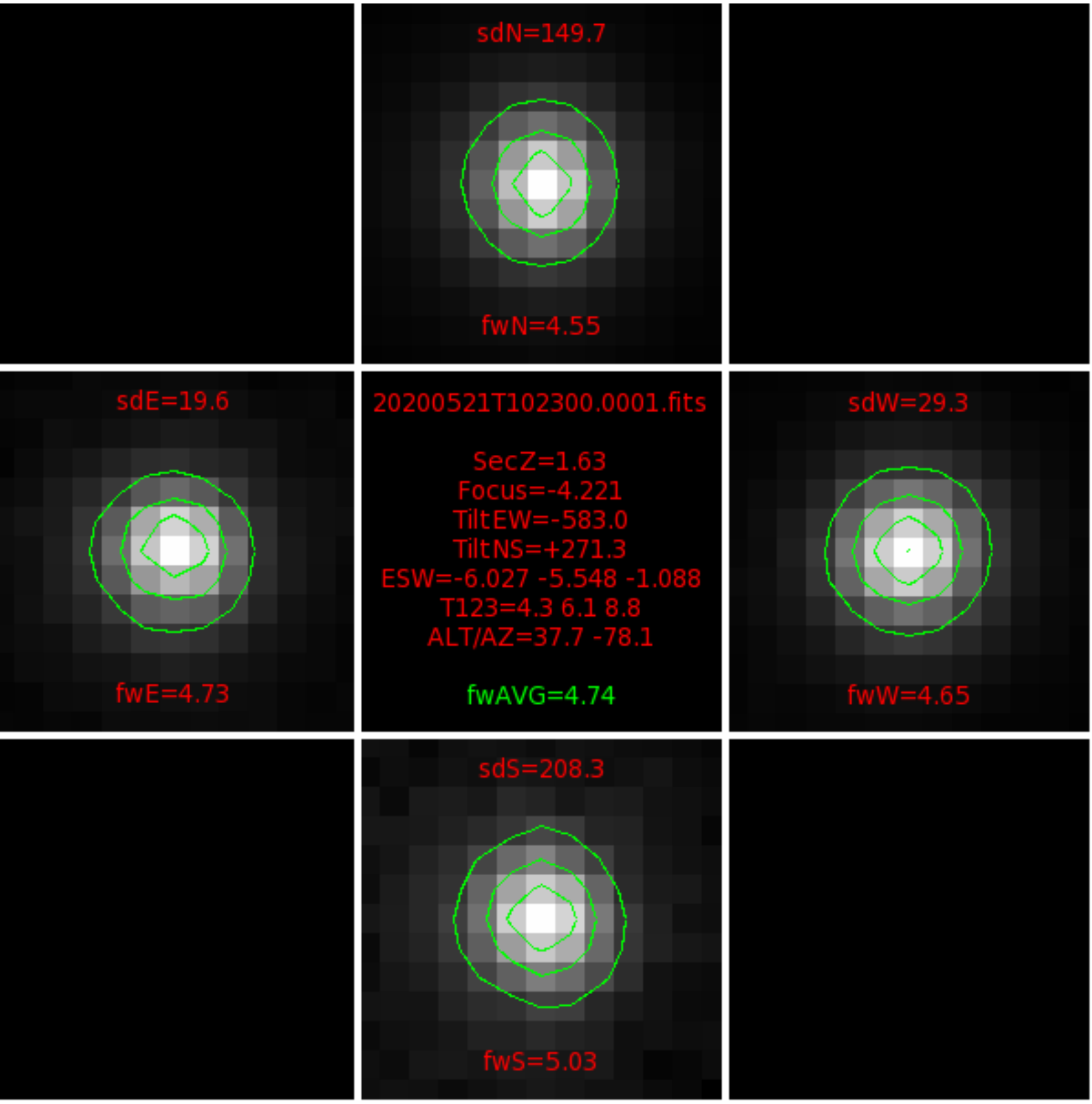
sdN=149.7
fwN=4.55
sdE=19.6
fwE=4.73
20200521T102300.0001.fits
SecZ=1.63
Focus=-4.221
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.027 -5.548 -1.088
T123=4.3 6.1 8.8
ALT/AZ=37.7 -78.1
fwAVG=4.74
sdW=29.3
fwW=4.65
sdS=208.3
fwS=5.03
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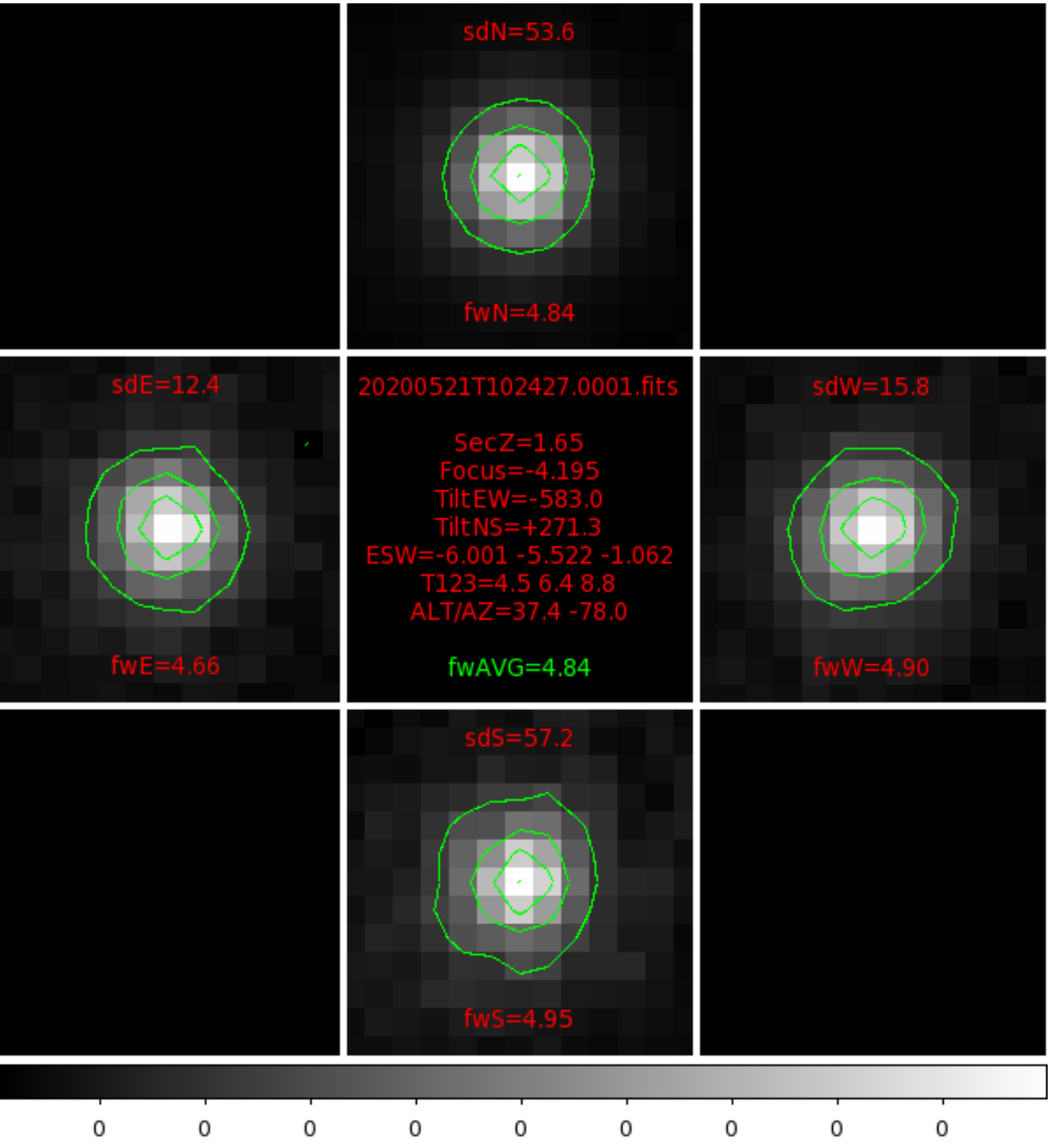
sdN=53.6
fwN=4.84
sdE=12.4
fwE=4.66
20200521T102427.0001.fits
SecZ=1.65
Focus=-4.195
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.001 -5.522 -1.062
T123=4.5 6.4 8.8
ALT/AZ=37.4 -78.0
fwAVG=4.84
sdW=15.8
fwW=4.90
sdS=57.2
fwS=4.95
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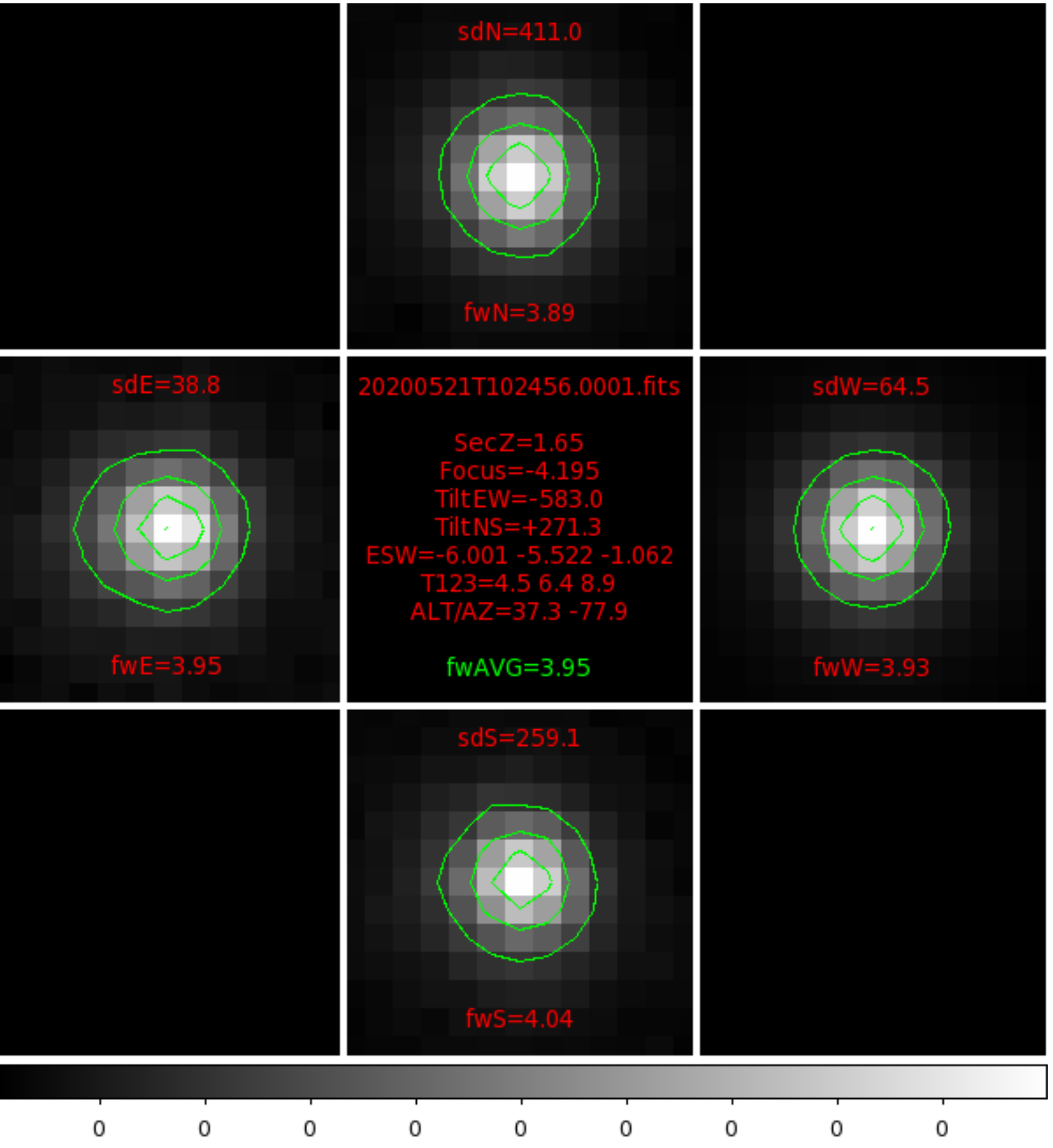
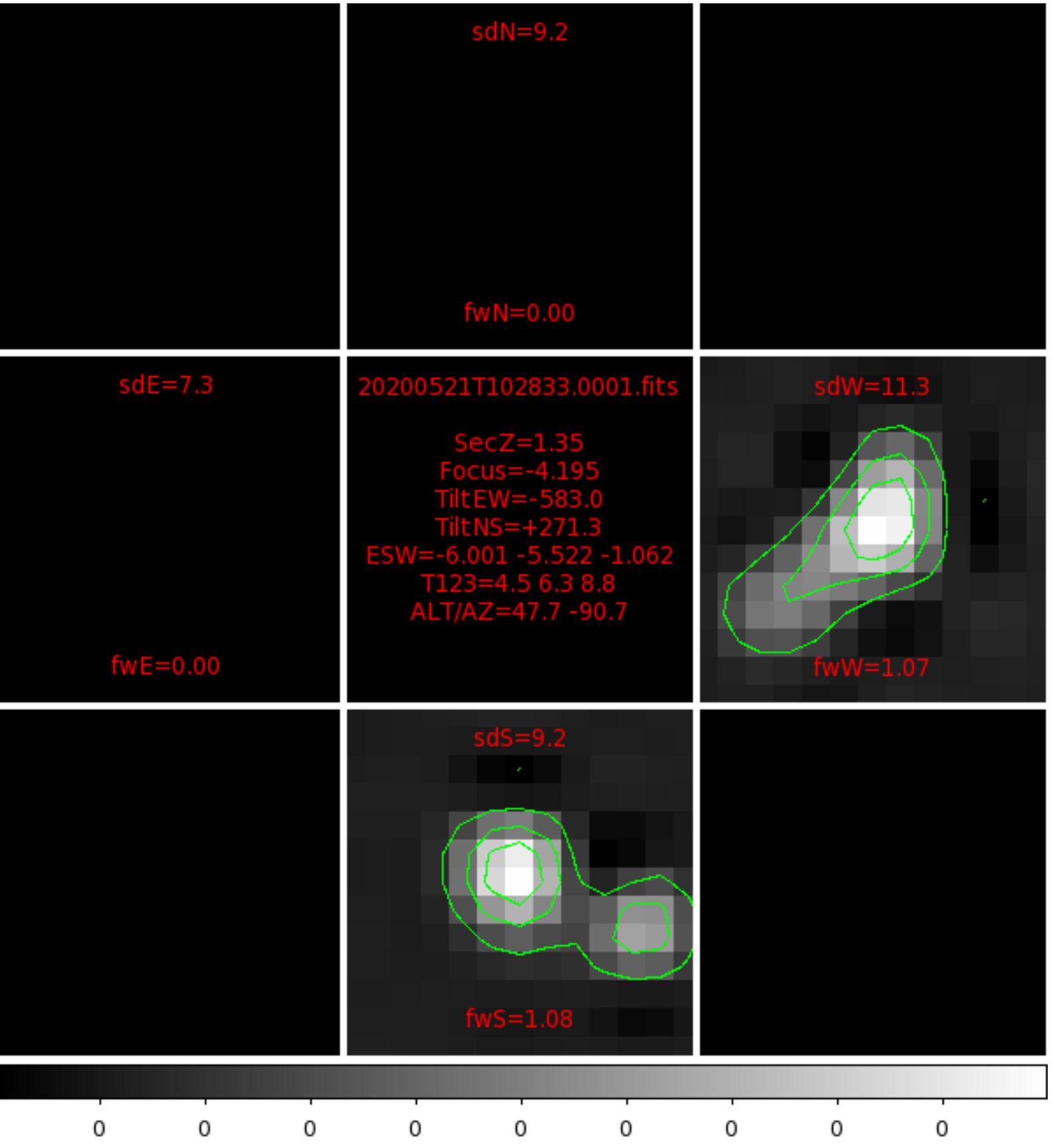

sdN=411.0
fwN=3.89
sdE=38.8
fwE=3.95
20200521T102456.0001.fits
SecZ=1.65
Focus=-4.195
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.001 -5.522 -1.062
T123=4.5 6.4 8.9
ALT/AZ=37.3 -77.9
fwAVG=3.95
sdW=64.5
fwW=3.93
sdS=259.1
fwS=4.04
0 0 0 0 0 0 0 0 0

sdN=7.1
fwN=0.00
sdE=5.4
fwE=0.00
20200521T102654.0001.fits
SecZ=1.35
Focus=-4.201
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.007 -5.528 -1.068
T123=4.5 6.3 8.8
ALT/AZ=48.0 -90.9
sdW=11.1
fwW=0.00
sdS=9.2
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=9.2
fwN=0.00
sdE=7.3
fwE=0.00
20200521T102833.0001.fits
SecZ=1.35
Focus=-4.195
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.001 -5.522 -1.062
T123=4.5 6.3 8.8
ALT/AZ=47.7 -90.7
sdW=11.3
fwW=1.07
sdS=9.2
fwS=1.08
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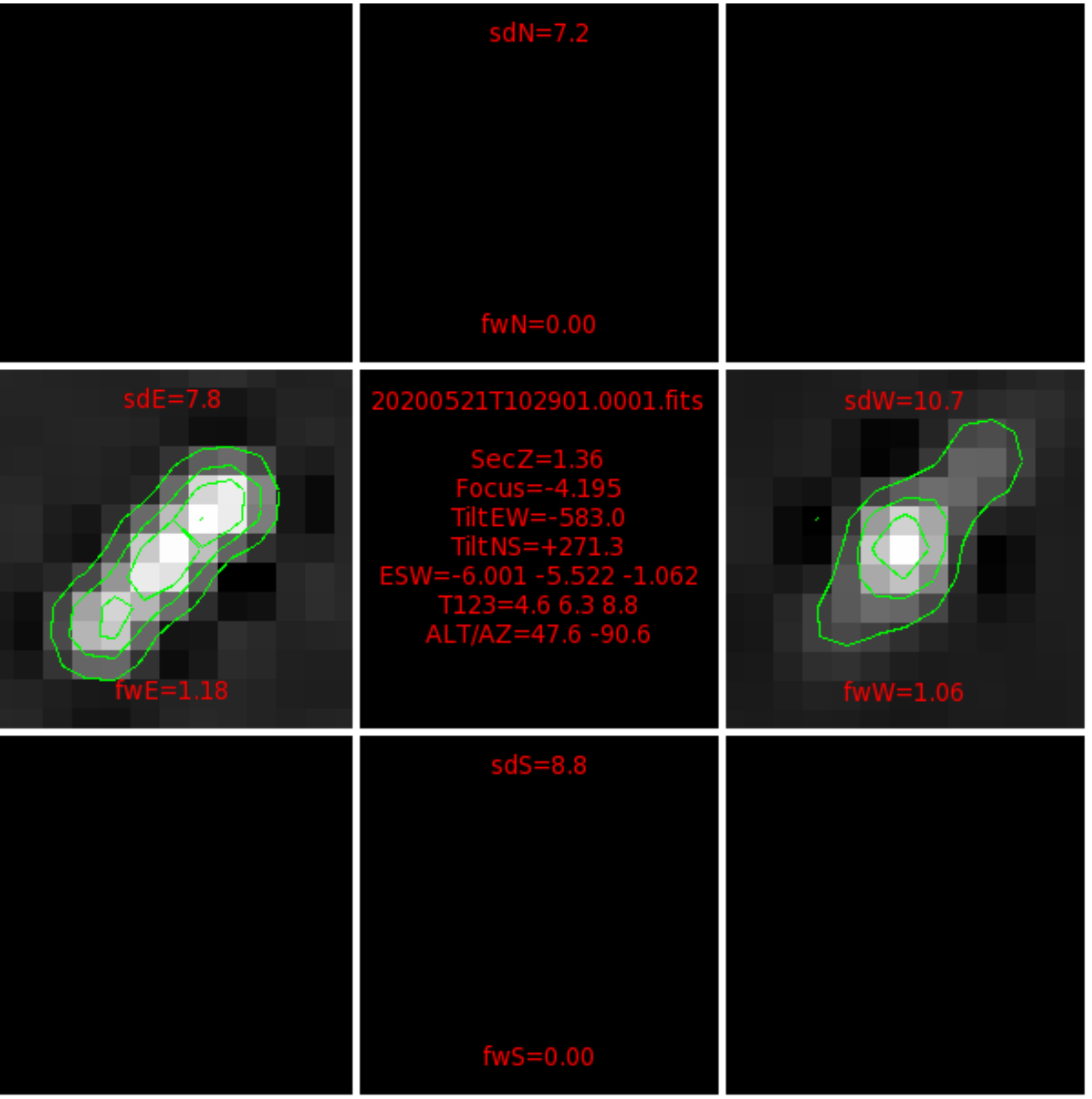
sdN=7.2
fwN=0.00
sdE=7.8
fwE=1.18
20200521T102901.0001.fits
SecZ=1.36
Focus=-4.195
TiltEW=-583.0
TiltNS=+271.3
ESW=-6.001 -5.522 -1.062
T123=4.6 6.3 8.8
ALT/AZ=47.6 -90.6
sdW=10.7
fwW=1.06
sdS=8.8
fwS=0.00
0 0 0 0 0 0 0 0 0