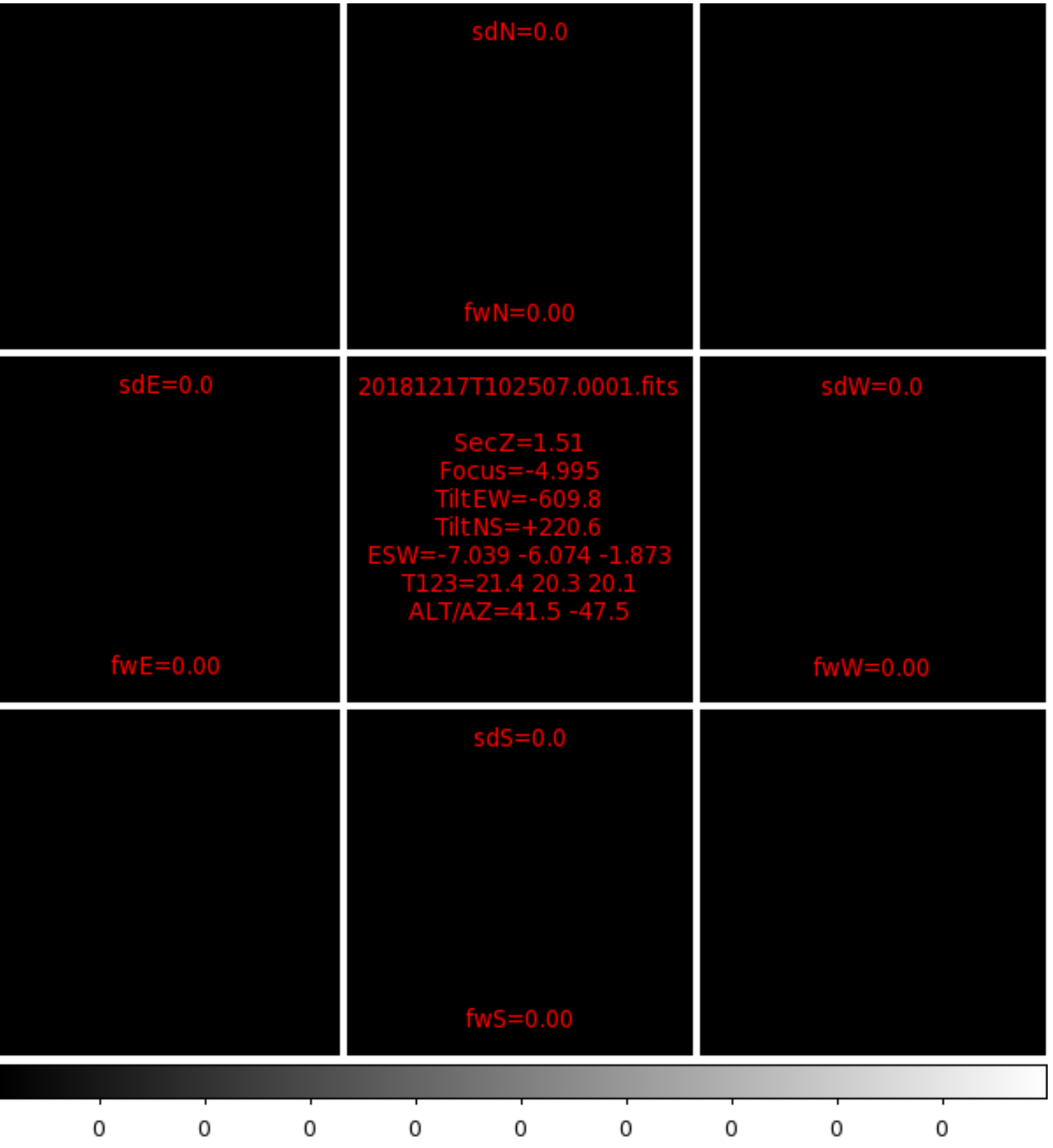
sdN=0.0
fwN=0.00
sdE=0.0
20181217T102507.0001.fits
SecZ=1.51
Focus=-4.995
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.039 -6.074 -1.873
T123=21.4 20.3 20.1
ALT/AZ=41.5 -47.5
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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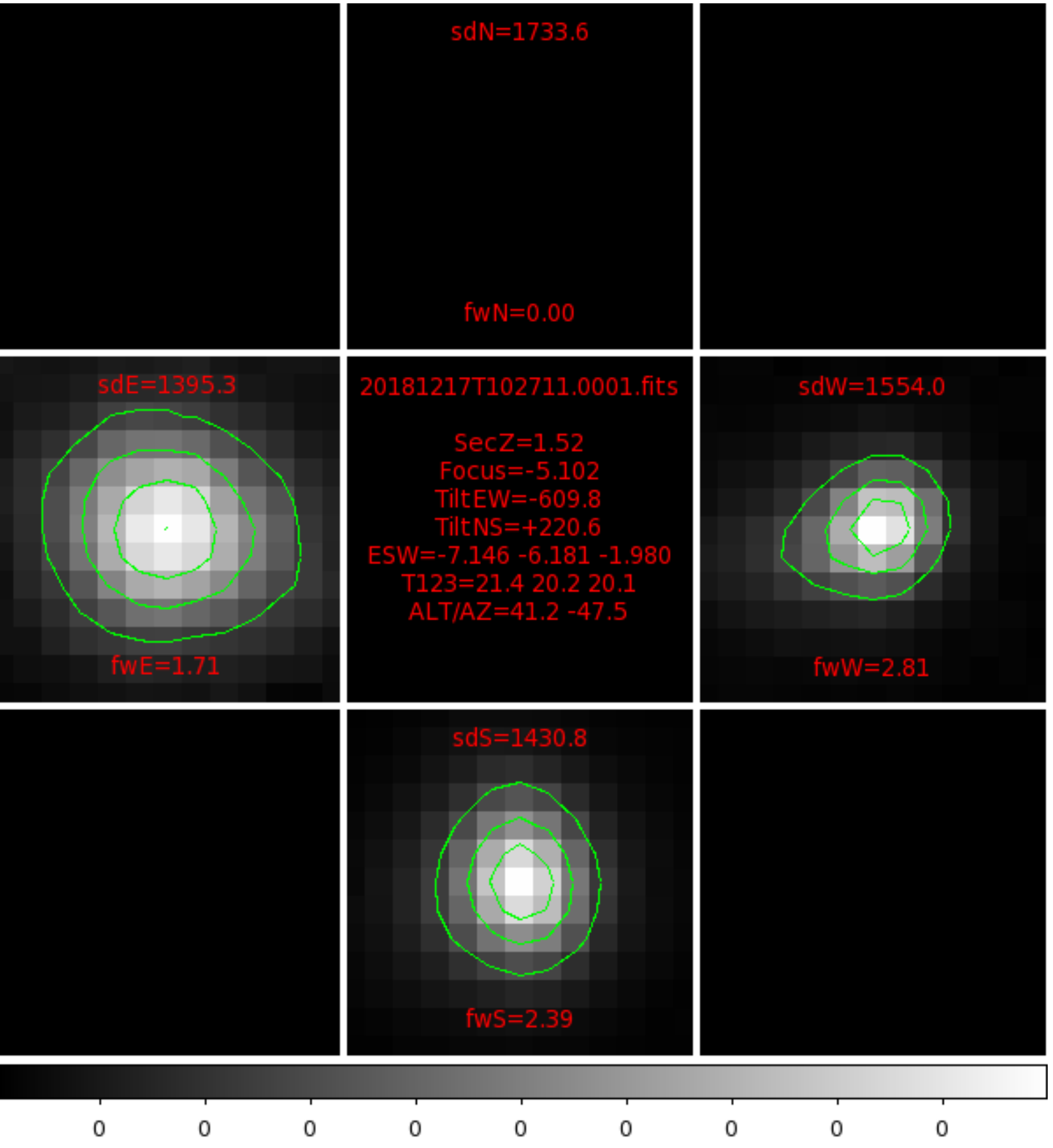
sdN=1733.6
fwN=0.00
sdE=1395.3
fwE=1.71
20181217T102711.0001.fits
SecZ=1.52
Focus=-5.102
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.146 -6.181 -1.980
T123=21.4 20.2 20.1
ALT/AZ=41.2 -47.5
sdW=1554.0
fwW=2.81
sdS=1430.8
fwS=2.39
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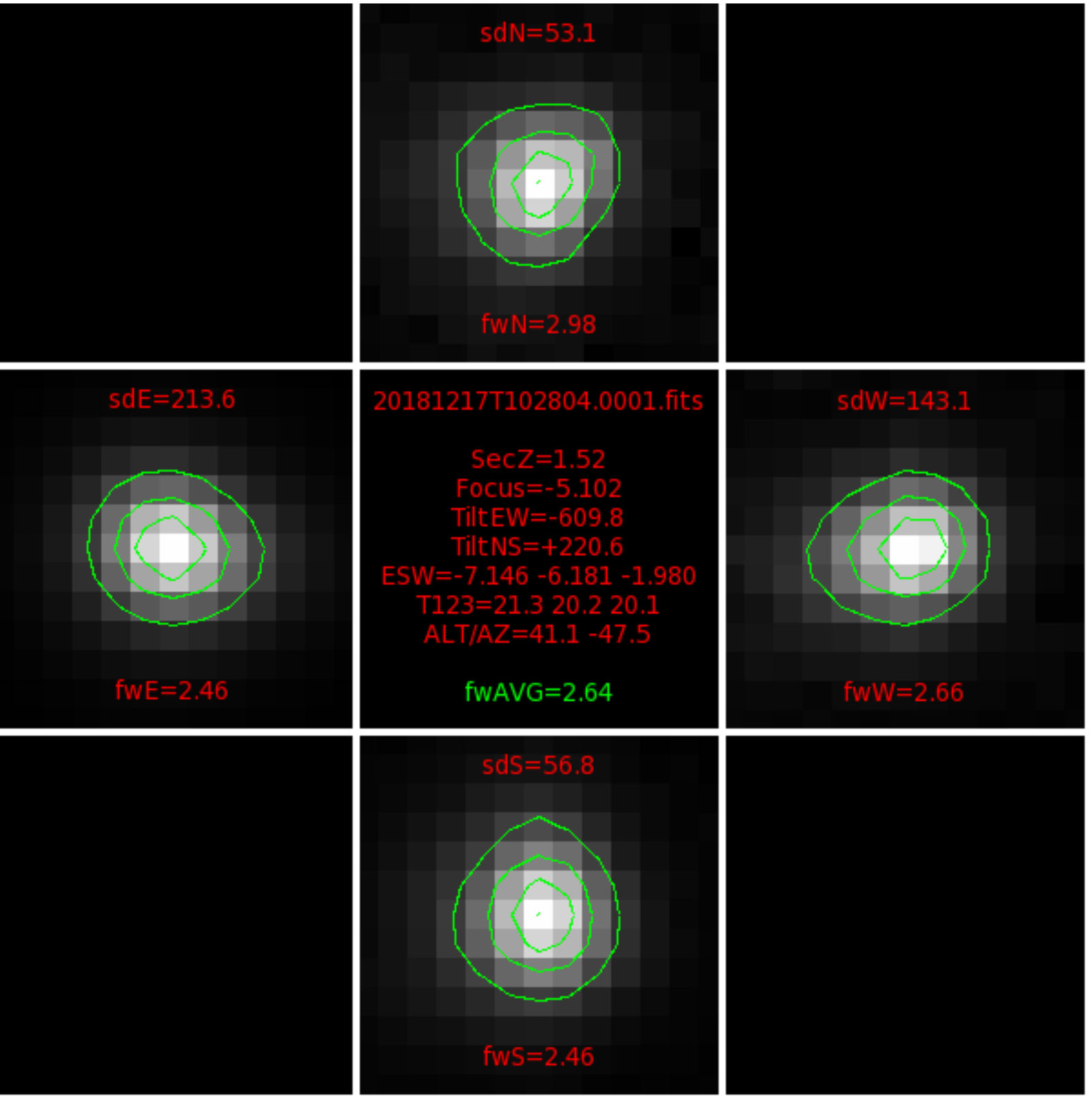
sdN=53.1
fwN=2.98
sdE=213.6
fwE=2.46
20181217T102804.0001.fits
SecZ=1.52
Focus=-5.102
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.146 -6.181 -1.980
T123=21.3 20.2 20.1
ALT/AZ=41.1 -47.5
fwAVG=2.64
sdW=143.1
fwW=2.66
sdS=56.8
fwS=2.46
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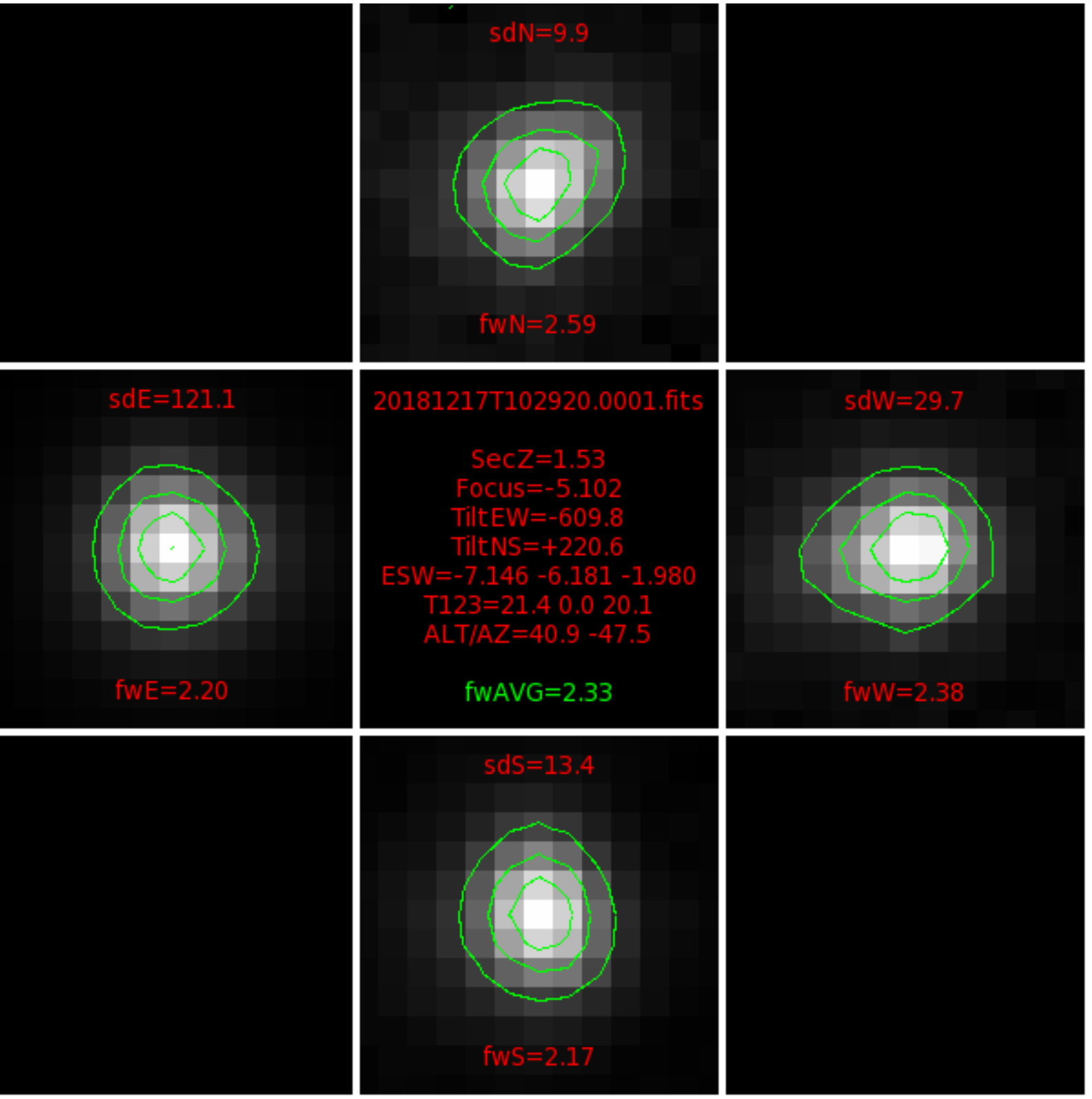
sdN=9.9
fwN=2.59
sdE=121.1
fwE=2.20
20181217T102920.0001.fits
SecZ=1.53
Focus=-5.102
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.146 -6.181 -1.980
T123=21.4 0.0 20.1
ALT/AZ=40.9 -47.5
fwAVG=2.33
sdW=29.7
fwW=2.38
sdS=13.4
fwS=2.17
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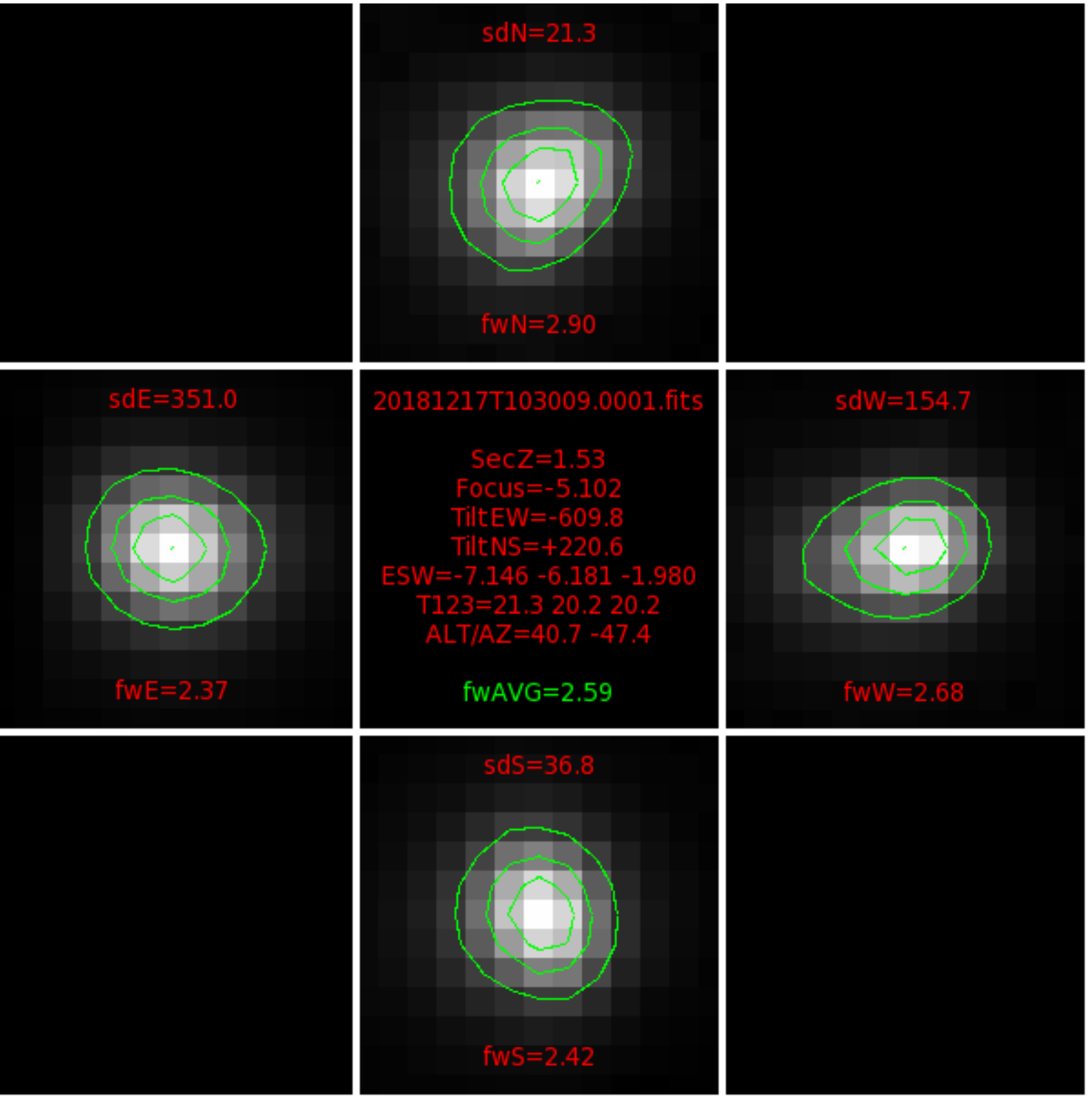
sdN=21.3
fwN=2.90
sdE=351.0
fwE=2.37
20181217T103009.0001.fits
SecZ=1.53
Focus=-5.102
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.146 -6.181 -1.980
T123=21.3 20.2 20.2
ALT/AZ=40.7 -47.4
fwAVG=2.59
sdW=154.7
fwW=2.68
sdS=36.8
fwS=2.42
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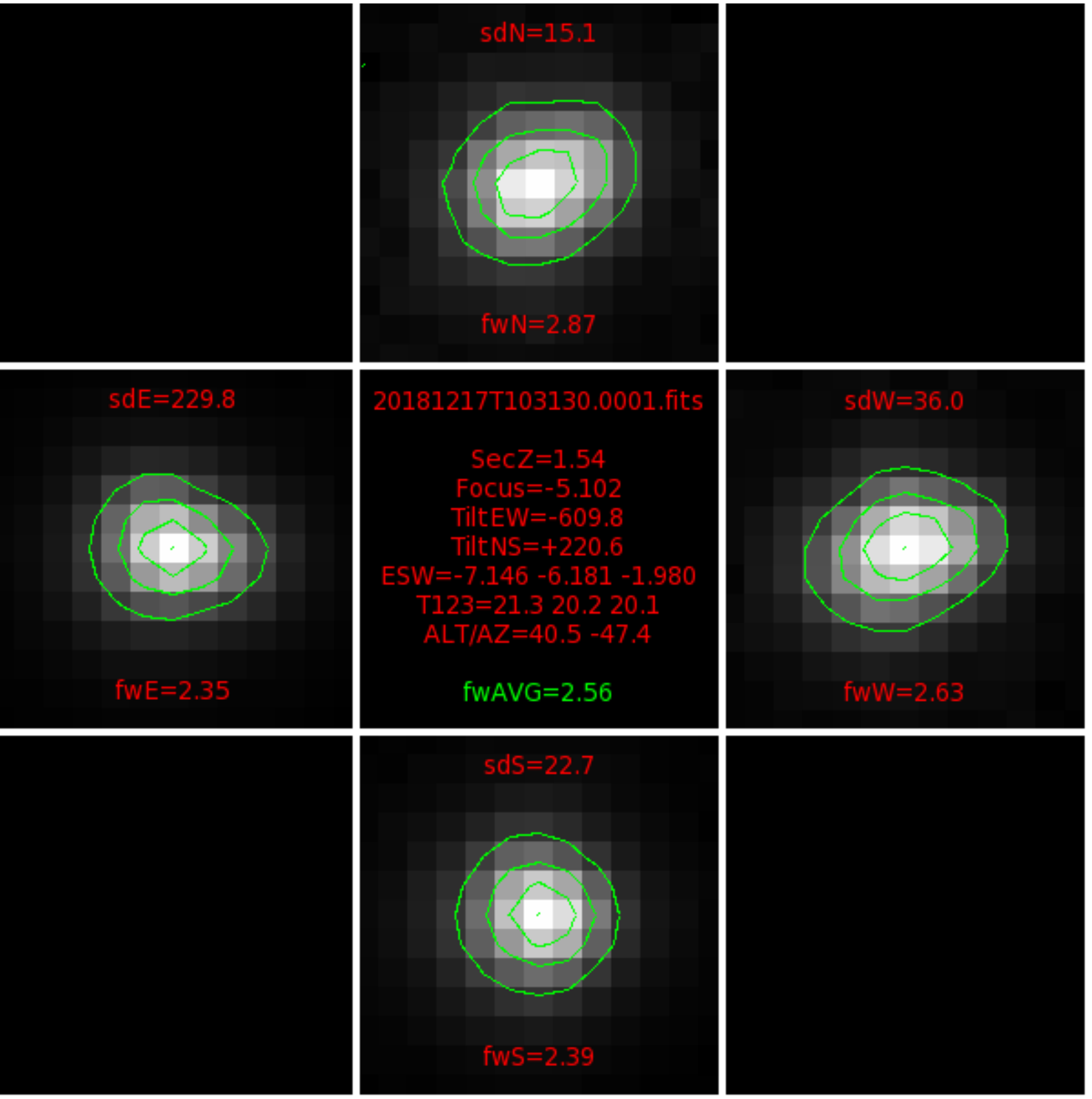
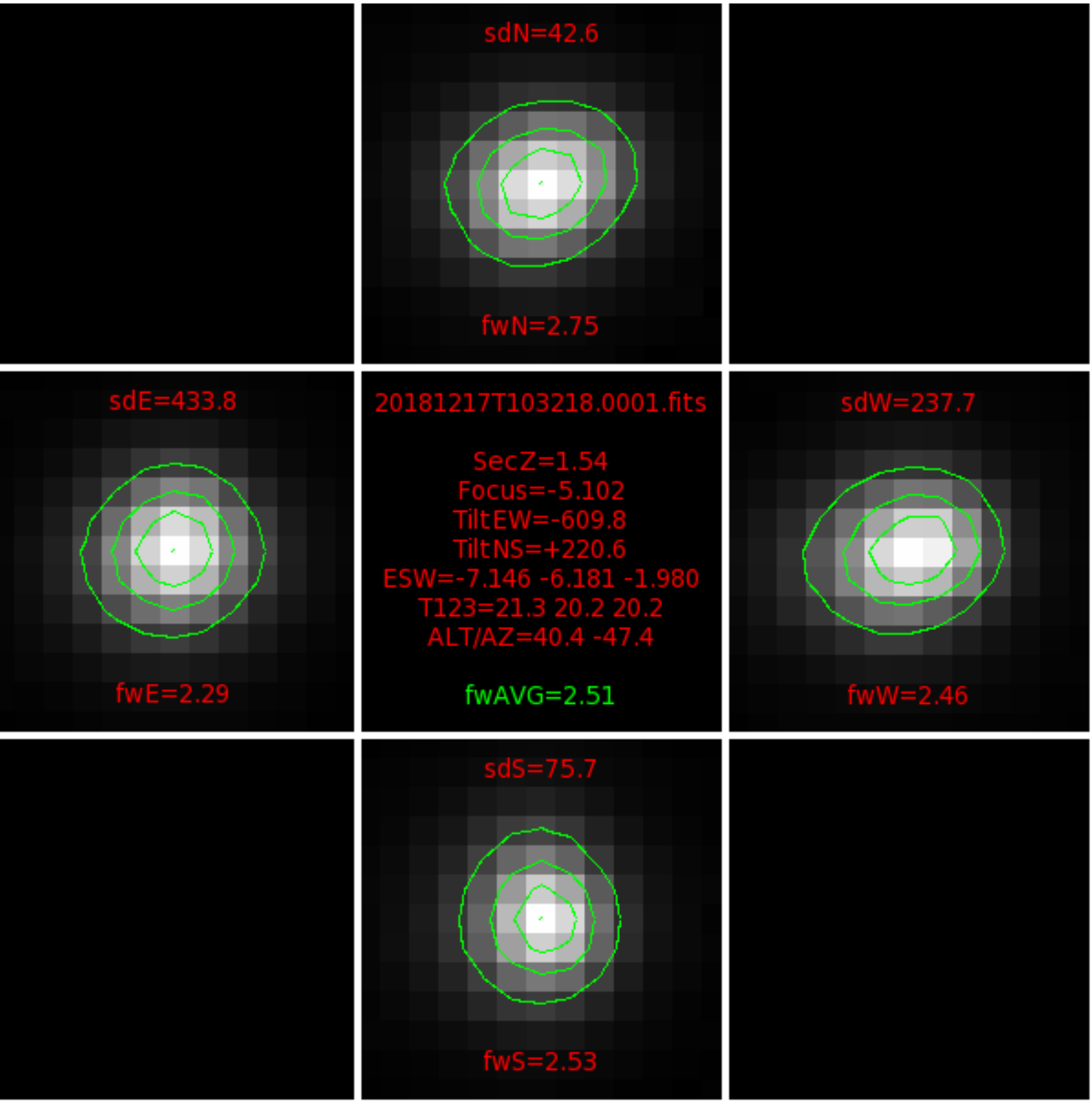
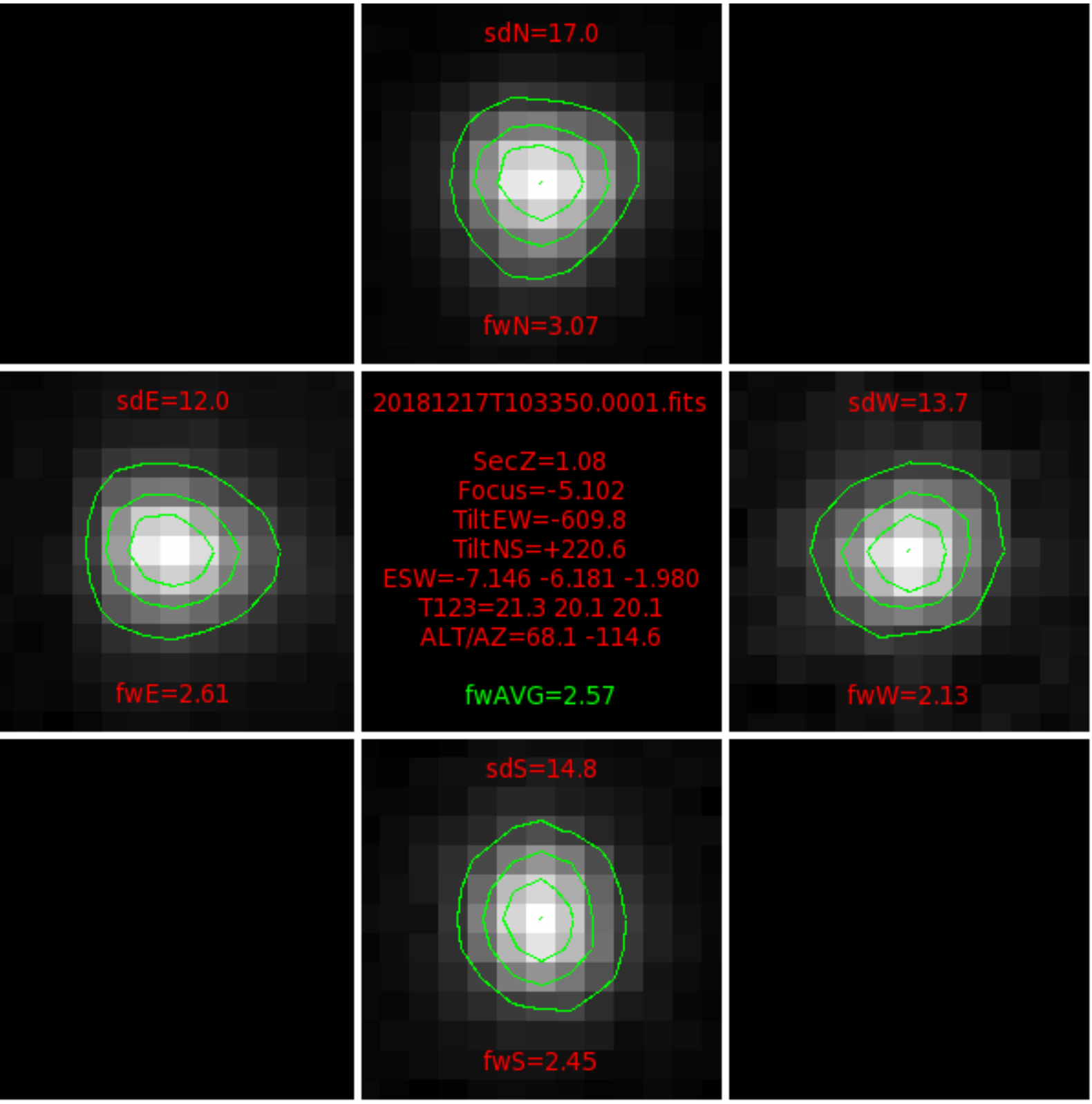
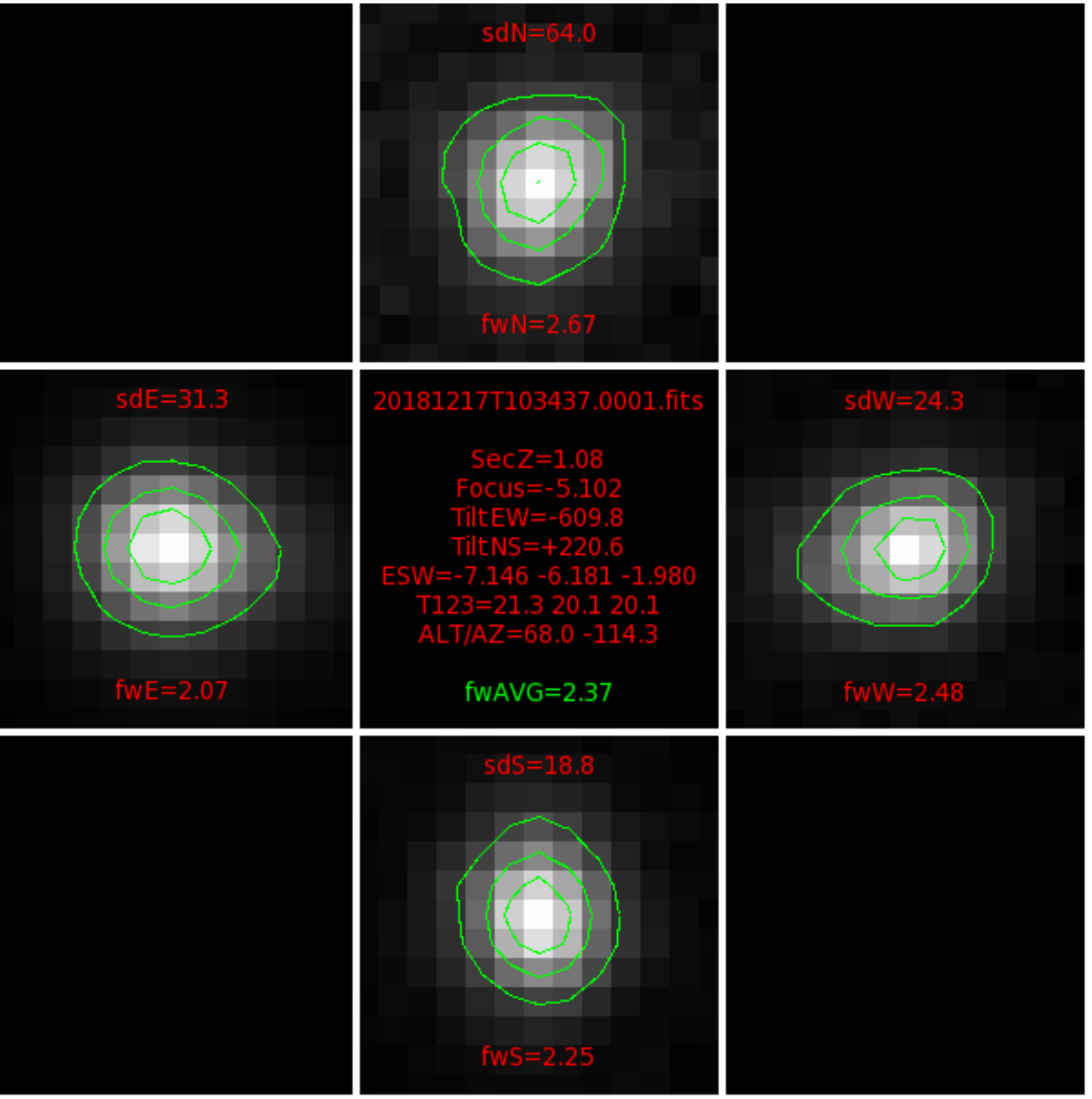

sdN=15.1
fwN=2.87
sdE=229.8
fwE=2.35
20181217T103130.0001.fits
SecZ=1.54
Focus=-5.102
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.146 -6.181 -1.980
T123=21.3 20.2 20.1
ALT/AZ=40.5 -47.4
fwAVG=2.56
sdW=36.0
fwW=2.63
sdS=22.7
fwS=2.39
0 0 0 0 0 0 0 0 0


sdN=42.6
fwN=2.75
sdE=433.8
fwE=2.29
20181217T103218.0001.fits
SecZ=1.54
Focus=-5.102
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.146 -6.181 -1.980
T123=21.3 20.2 20.2
ALT/AZ=40.4 -47.4
fwAVG=2.51
sdW=237.7
fwW=2.46
sdS=75.7
fwS=2.53
0 0 0 0 0 0 0 0 0


sdN=17.0
fwN=3.07
sdE=12.0
fwE=2.61
20181217T103350.0001.fits
SecZ=1.08
Focus=-5.102
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.146 -6.181 -1.980
T123=21.3 20.1 20.1
ALT/AZ=68.1 -114.6
fwAVG=2.57
sdW=13.7
fwW=2.13
sdS=14.8
fwS=2.45
0 0 0 0 0 0 0 0 0


sdN=64.0
fwN=2.67
sdE=31.3
fwE=2.07
20181217T103437.0001.fits
SecZ=1.08
Focus=-5.102
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.146 -6.181 -1.980
T123=21.3 20.1 20.1
ALT/AZ=68.0 -114.3
fwAVG=2.37
sdW=24.3
fwW=2.48
sdS=18.8
fwS=2.25
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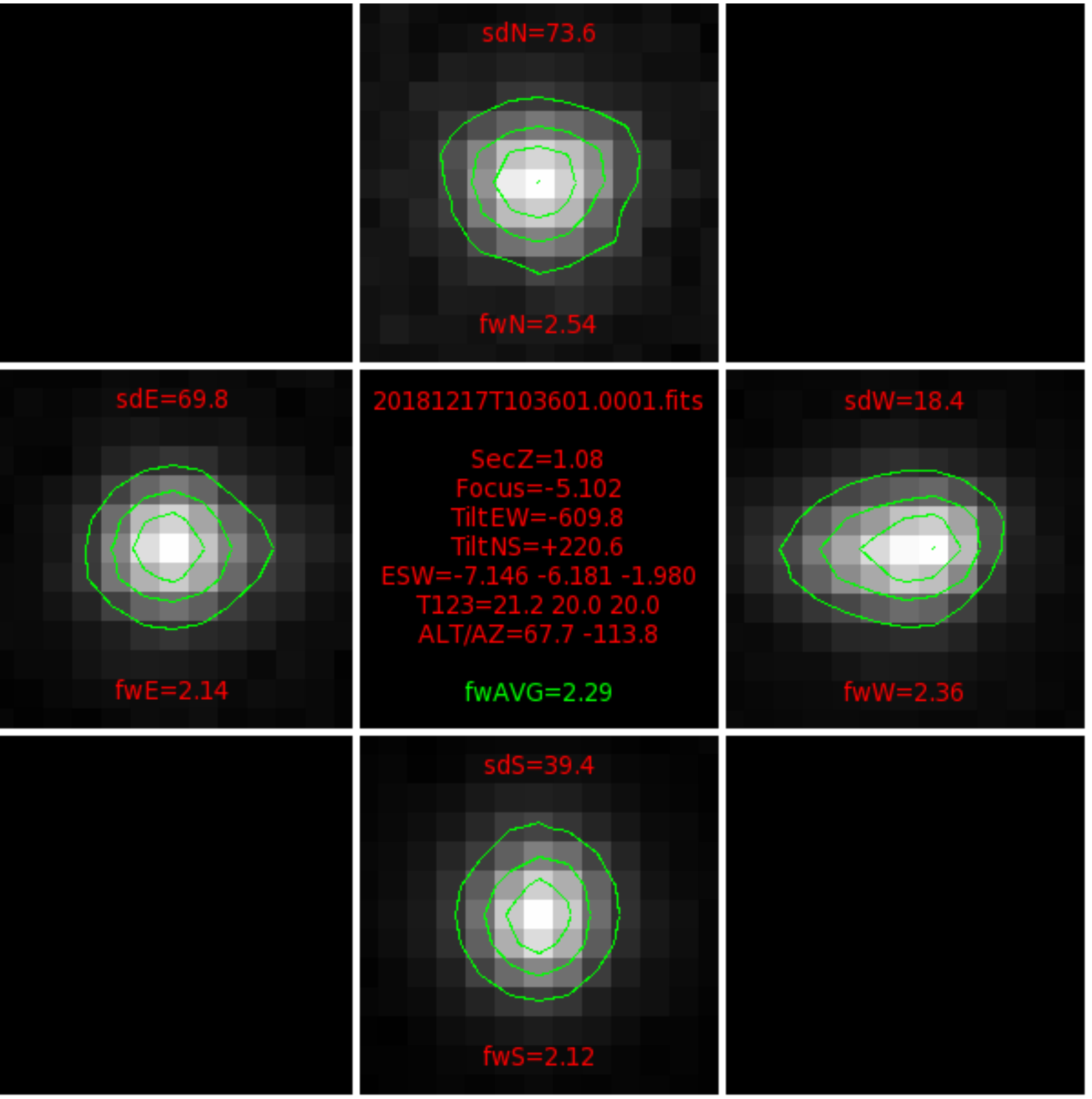
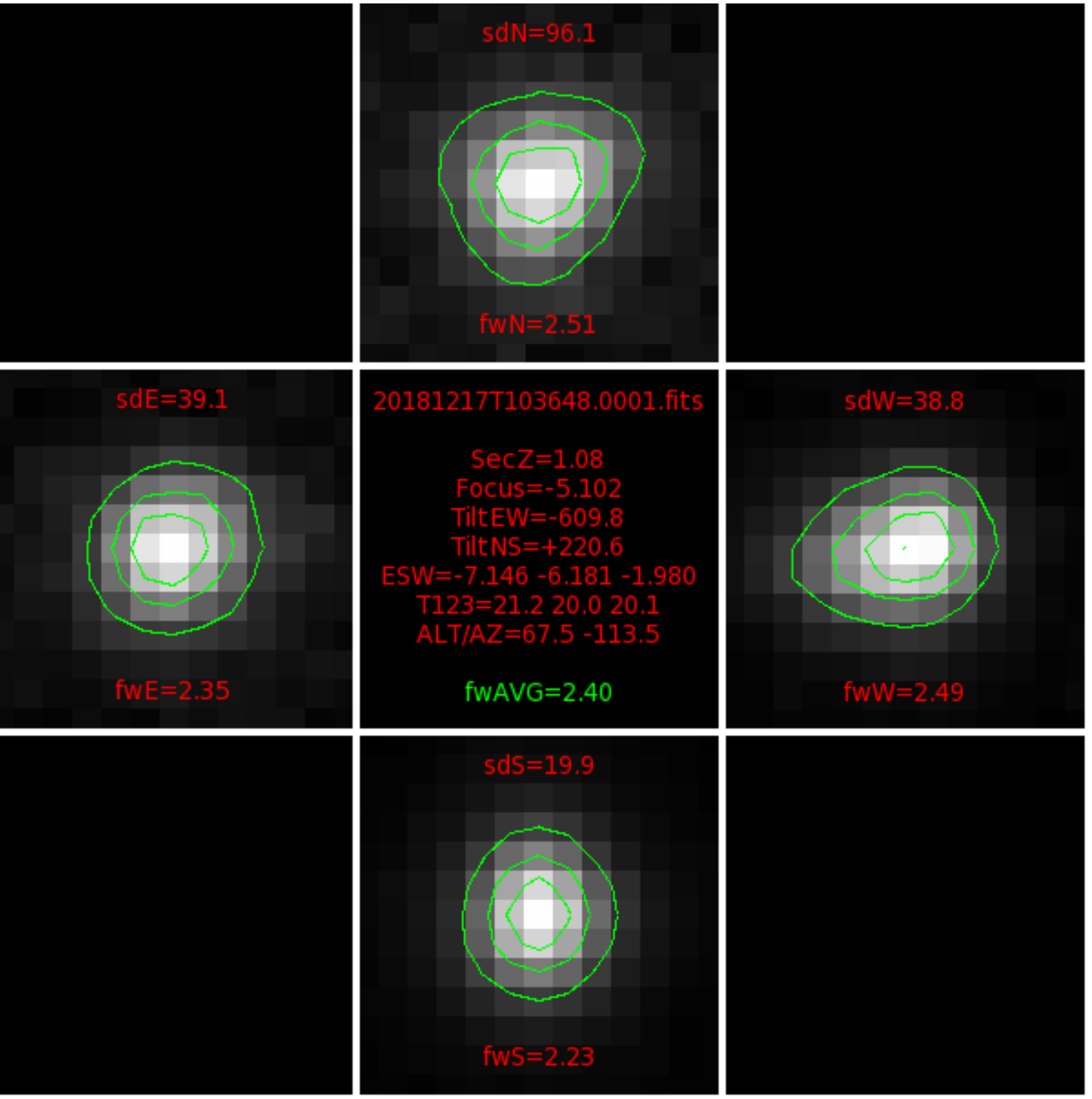
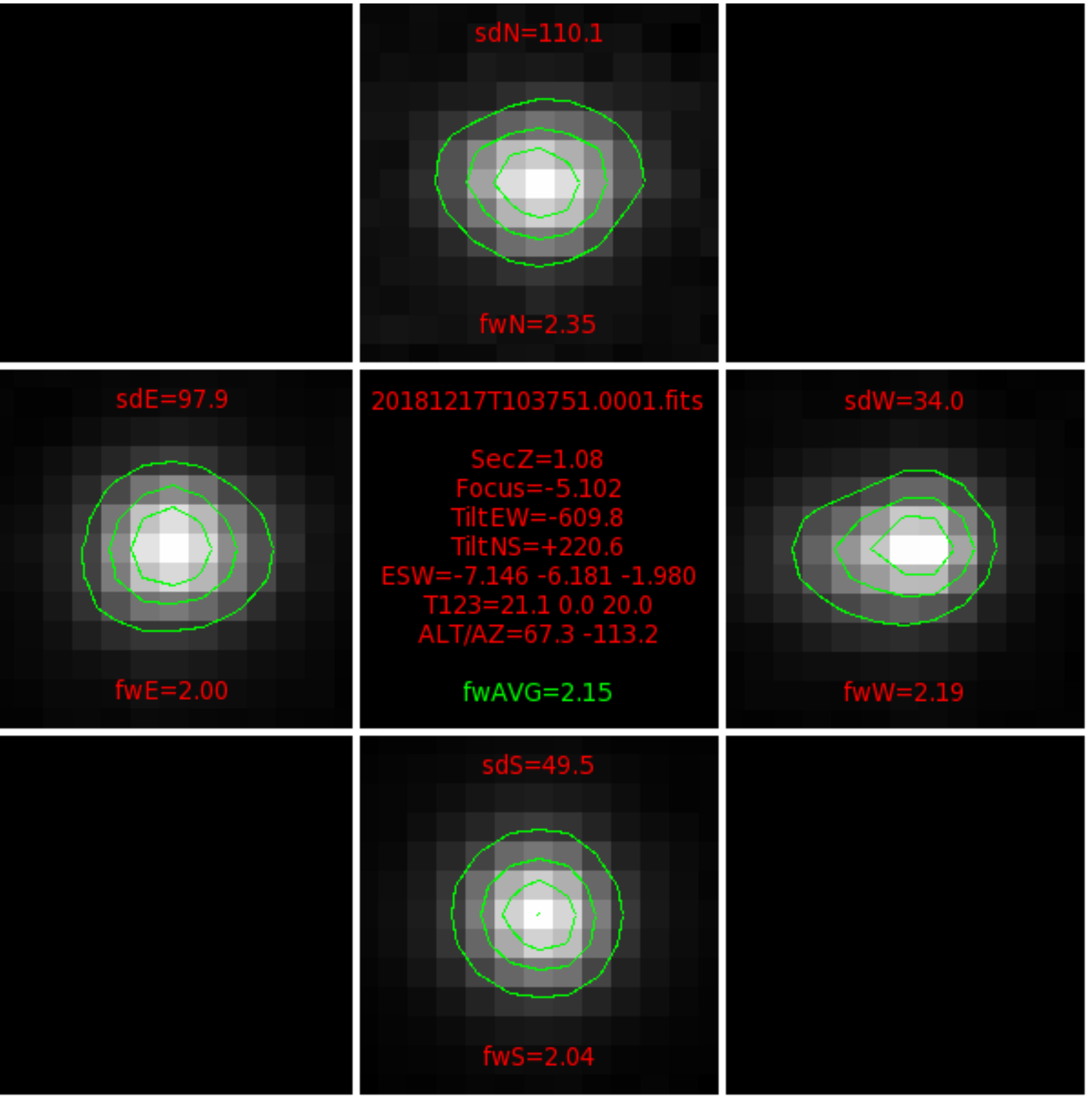
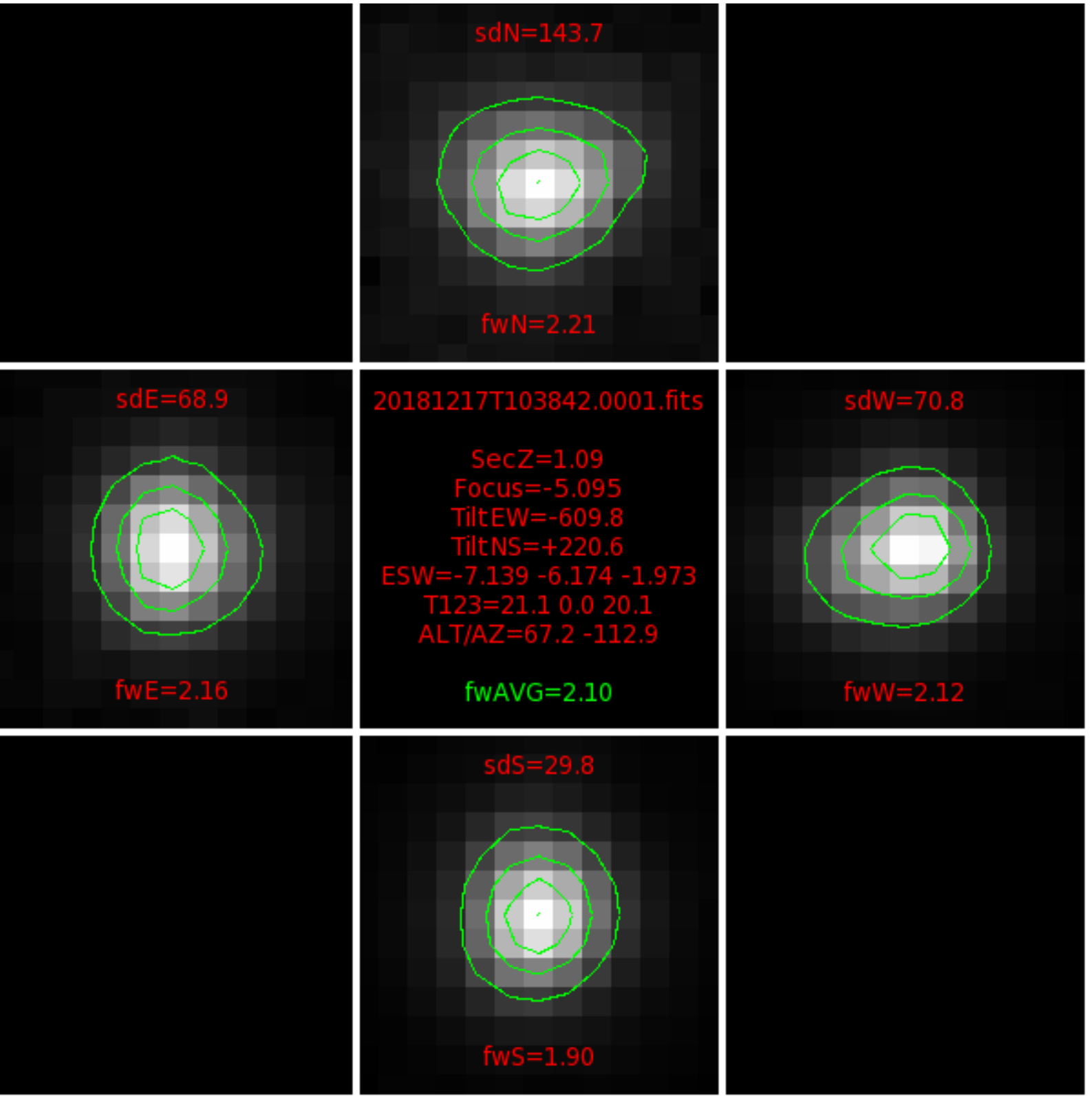

sdN=73.6
fwN=2.54
sdE=69.8
fwE=2.14
20181217T103601.0001.fits
SecZ=1.08
Focus=-5.102
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.146 -6.181 -1.980
T123=21.2 20.0 20.0
ALT/AZ=67.7 -113.8
fwAVG=2.29
sdW=18.4
fwW=2.36
sdS=39.4
fwS=2.12
0 0 0 0 0 0 0 0 0


sdN=96.1
fwN=2.51
sdE=39.1
fwE=2.35
20181217T103648.0001.fits
SecZ=1.08
Focus=-5.102
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.146 -6.181 -1.980
T123=21.2 20.0 20.1
ALT/AZ=67.5 -113.5
fwAVG=2.40
sdW=38.8
fwW=2.49
sdS=19.9
fwS=2.23
0 0 0 0 0 0 0 0 0


sdN=110.1
fwN=2.35
sdE=97.9
fwE=2.00
20181217T103751.0001.fits
SecZ=1.08
Focus=-5.102
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.146 -6.181 -1.980
T123=21.1 0.0 20.0
ALT/AZ=67.3 -113.2
fwAVG=2.15
sdW=34.0
fwW=2.19
sdS=49.5
fwS=2.04
0 0 0 0 0 0 0 0 0


sdN=143.7
fwN=2.21
sdE=68.9
fwE=2.16
20181217T103842.0001.fits
SecZ=1.09
Focus=-5.095
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.139 -6.174 -1.973
T123=21.1 0.0 20.1
ALT/AZ=67.2 -112.9
fwAVG=2.10
sdW=70.8
fwW=2.12
sdS=29.8
fwS=1.90
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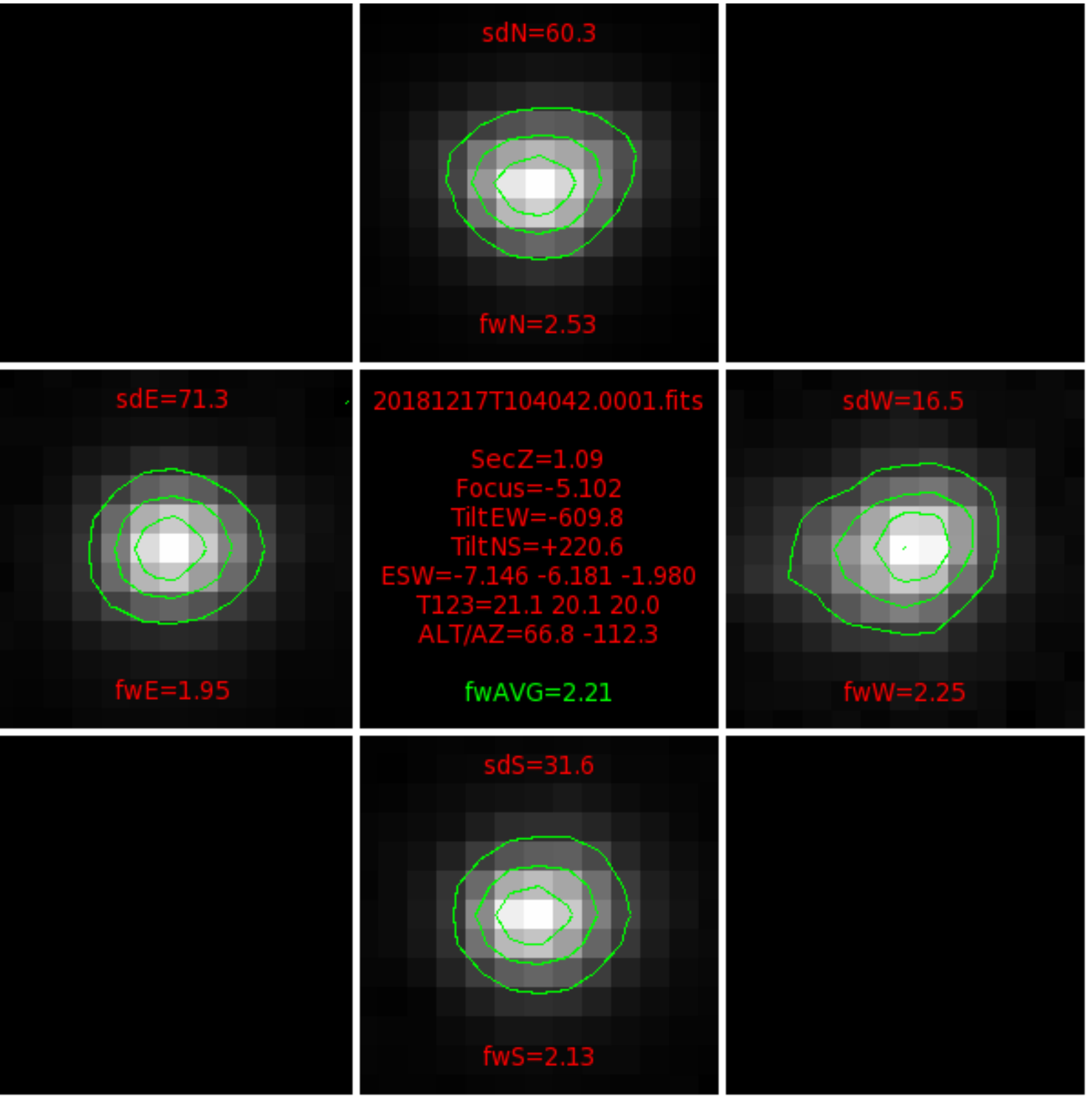
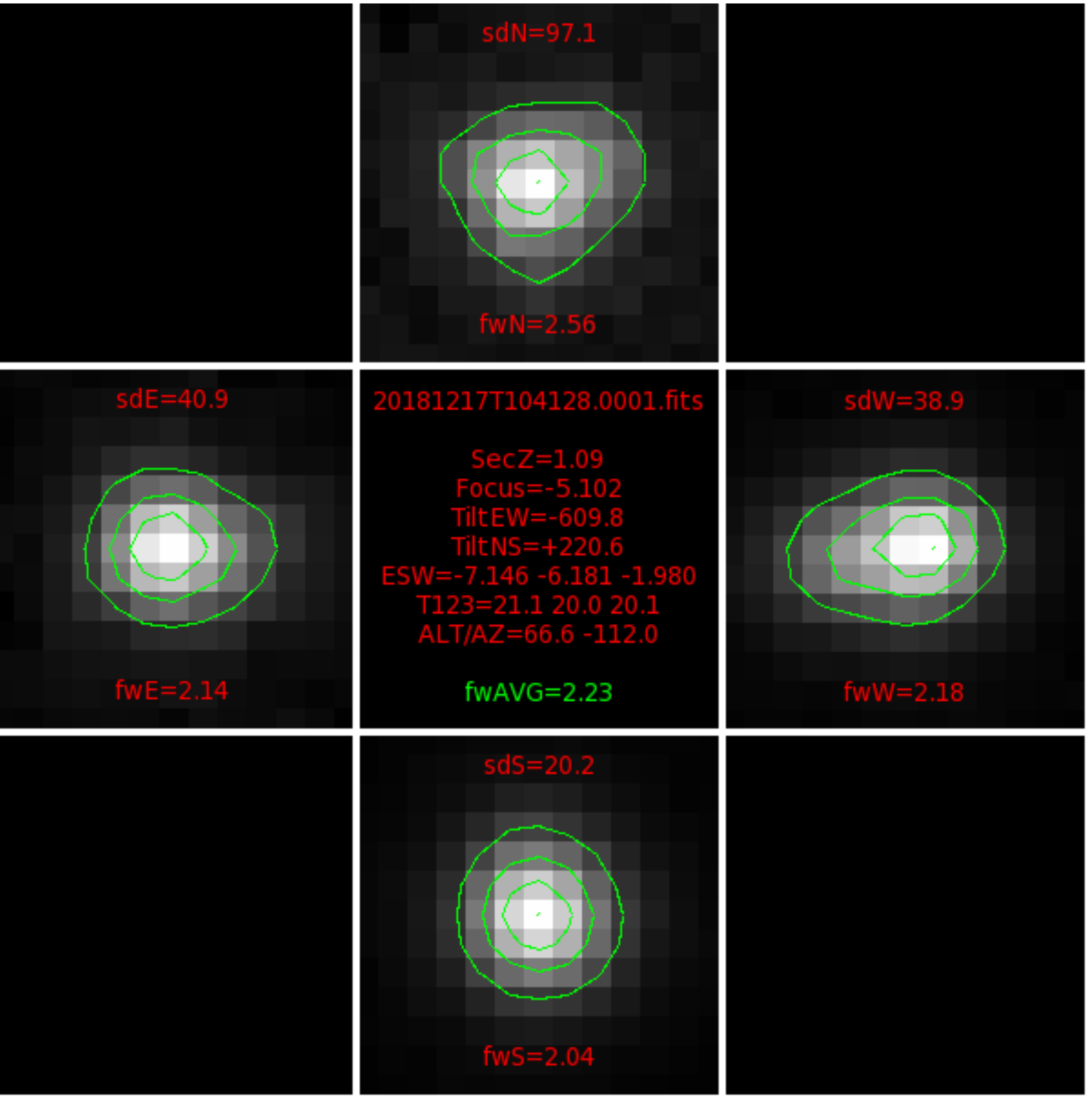

sdN=60.3
fwN=2.53
sdE=71.3
fwE=1.95
20181217T104042.0001.fits
SecZ=1.09
Focus=-5.102
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.146 -6.181 -1.980
T123=21.1 20.1 20.0
ALT/AZ=66.8 -112.3
fwAVG=2.21
sdW=16.5
fwW=2.25
sdS=31.6
fwS=2.13
0 0 0 0 0 0 0 0 0


sdN=97.1
fwN=2.56
sdE=40.9
fwE=2.14
20181217T104128.0001.fits
SecZ=1.09
Focus=-5.102
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.146 -6.181 -1.980
T123=21.1 20.0 20.1
ALT/AZ=66.6 -112.0
fwAVG=2.23
sdW=38.9
fwW=2.18
sdS=20.2
fwS=2.04
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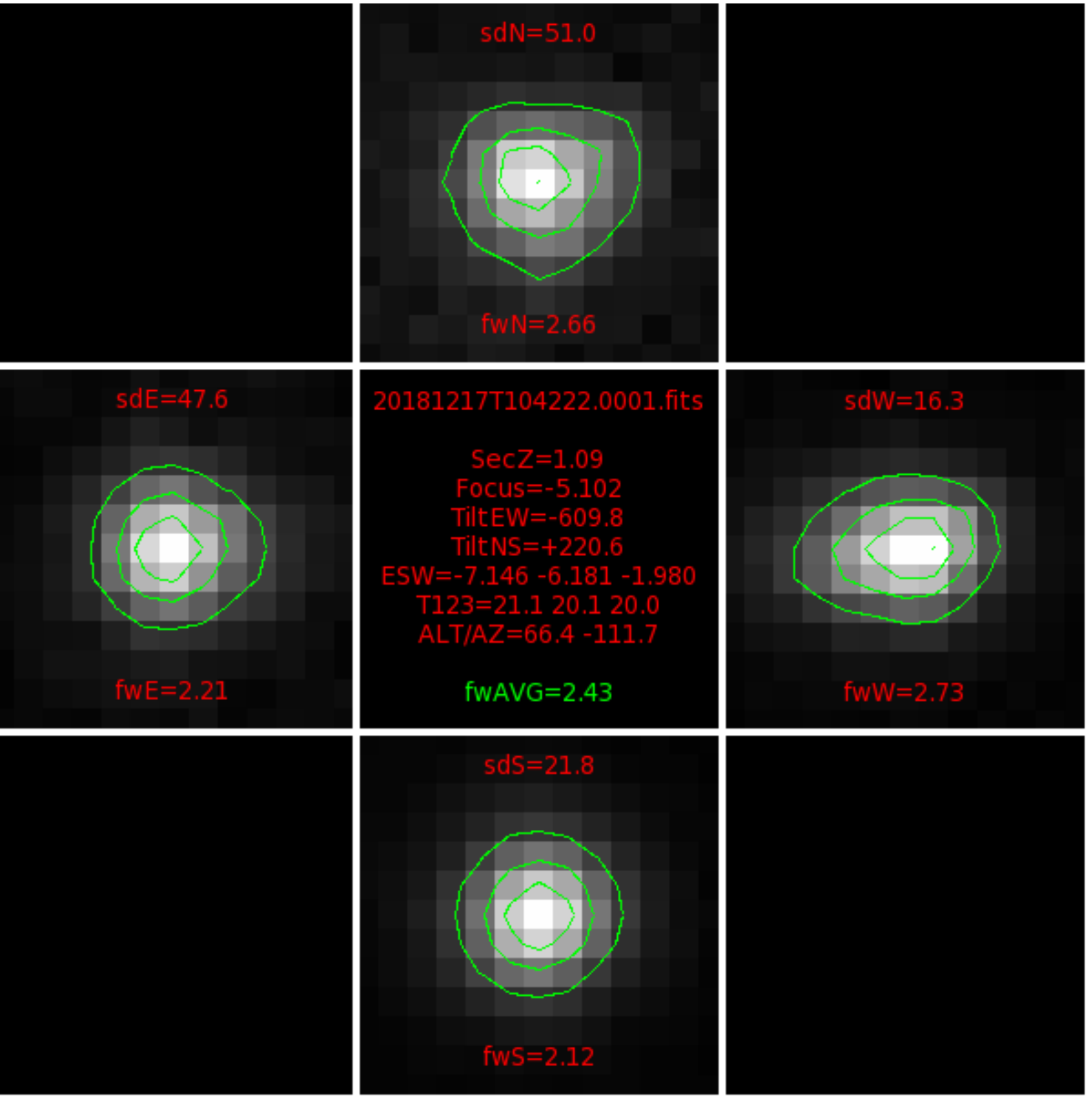
sdN=51.0
fwN=2.66
sdE=47.6
fwE=2.21
20181217T104222.0001.fits
SecZ=1.09
Focus=-5.102
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.146 -6.181 -1.980
T123=21.1 20.1 20.0
ALT/AZ=66.4 -111.7
fwAVG=2.43
sdW=16.3
fwW=2.73
sdS=21.8
fwS=2.12
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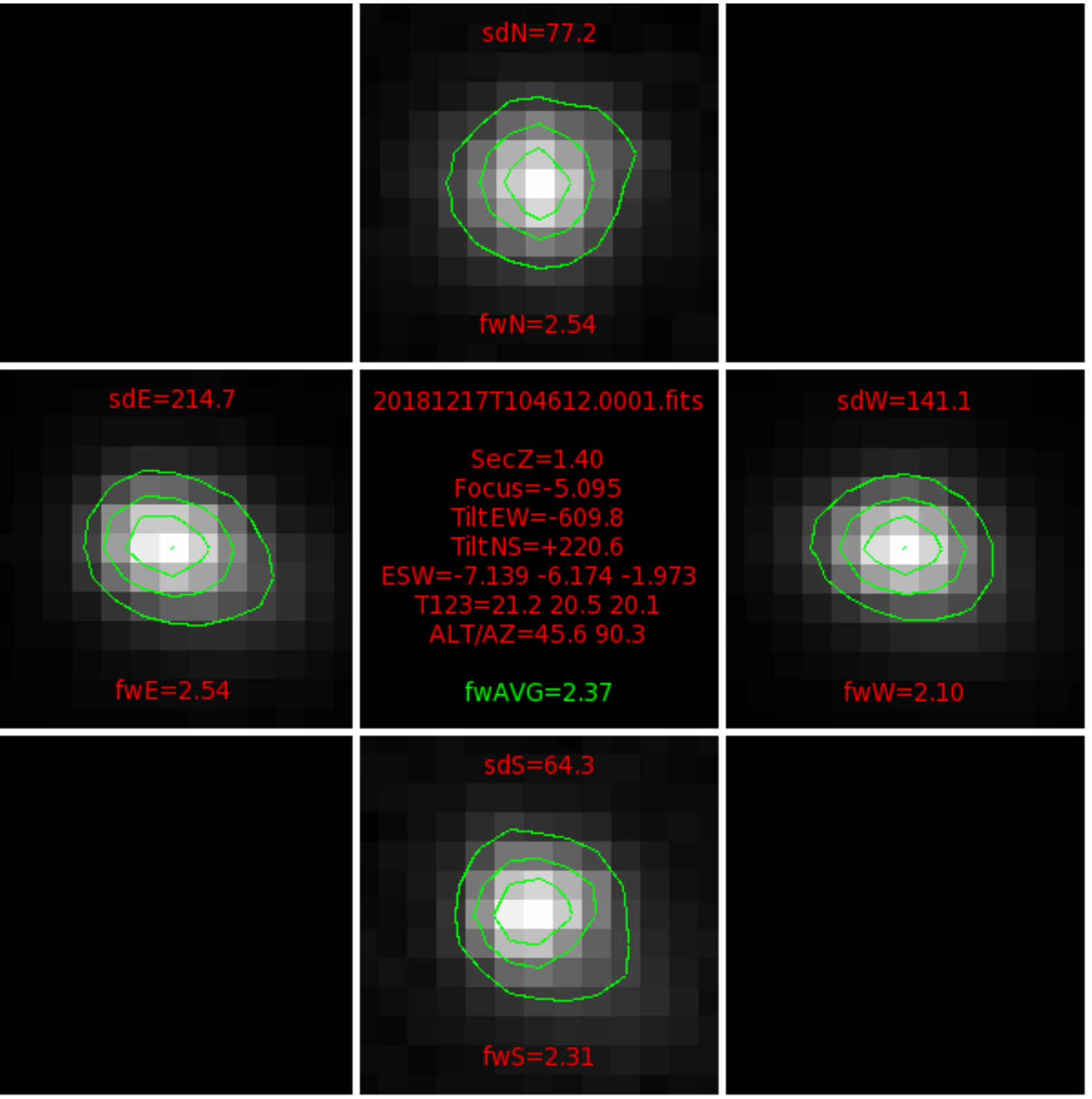
sdN=77.2
fwN=2.54
sdE=214.7
fwE=2.54
20181217T104612.0001.fits
SecZ=1.40
Focus=-5.095
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.139 -6.174 -1.973
T123=21.2 20.5 20.1
ALT/AZ=45.6 90.3
fwAVG=2.37
sdW=141.1
fwW=2.10
sdS=64.3
fwS=2.31
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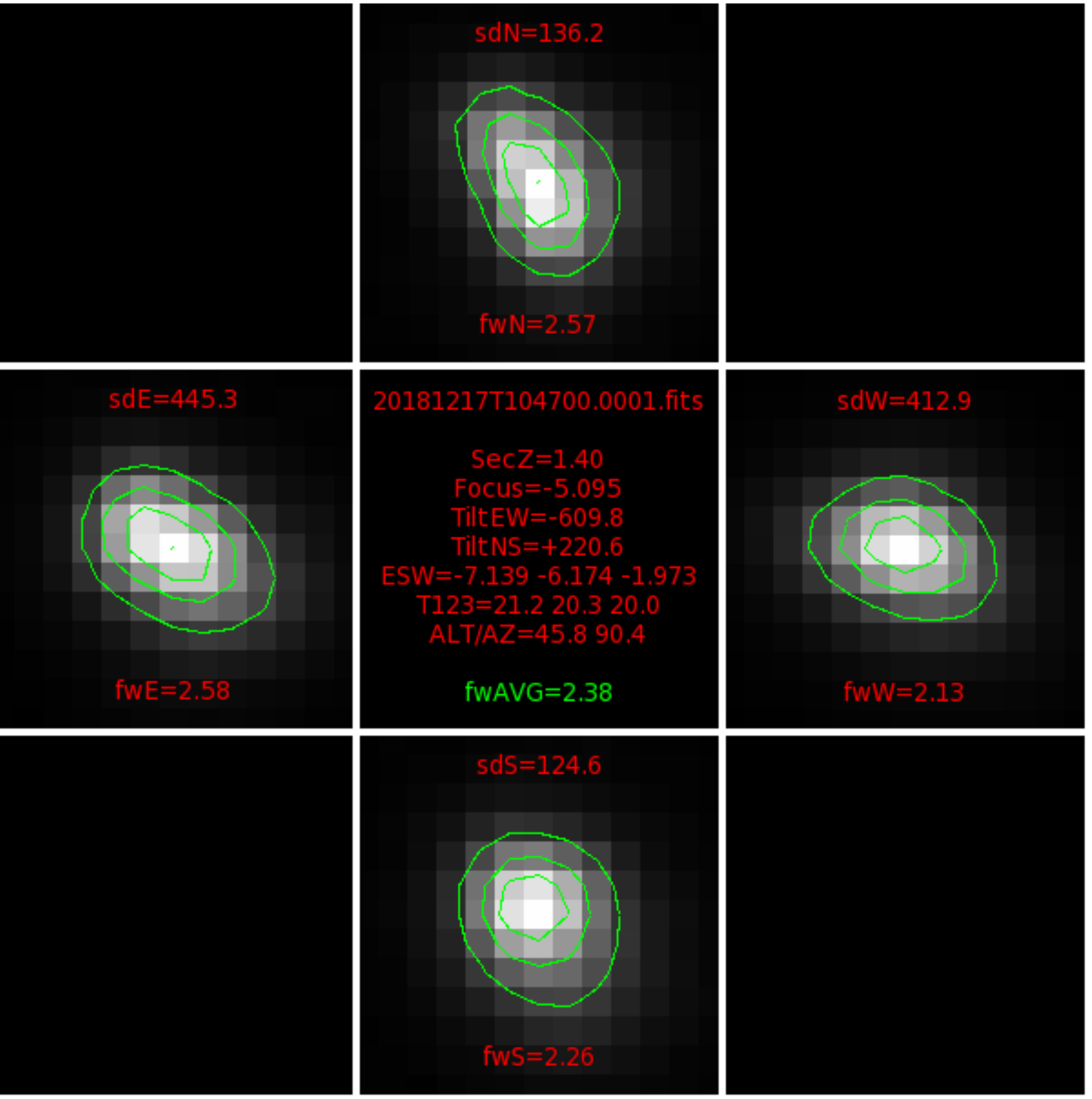
sdN=136.2
fwN=2.57
sdE=445.3
fwE=2.58
20181217T104700.0001.fits
SecZ=1.40
Focus=-5.095
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.139 -6.174 -1.973
T123=21.2 20.3 20.0
ALT/AZ=45.8 90.4
fwAVG=2.38
sdW=412.9
fwW=2.13
sdS=124.6
fwS=2.26
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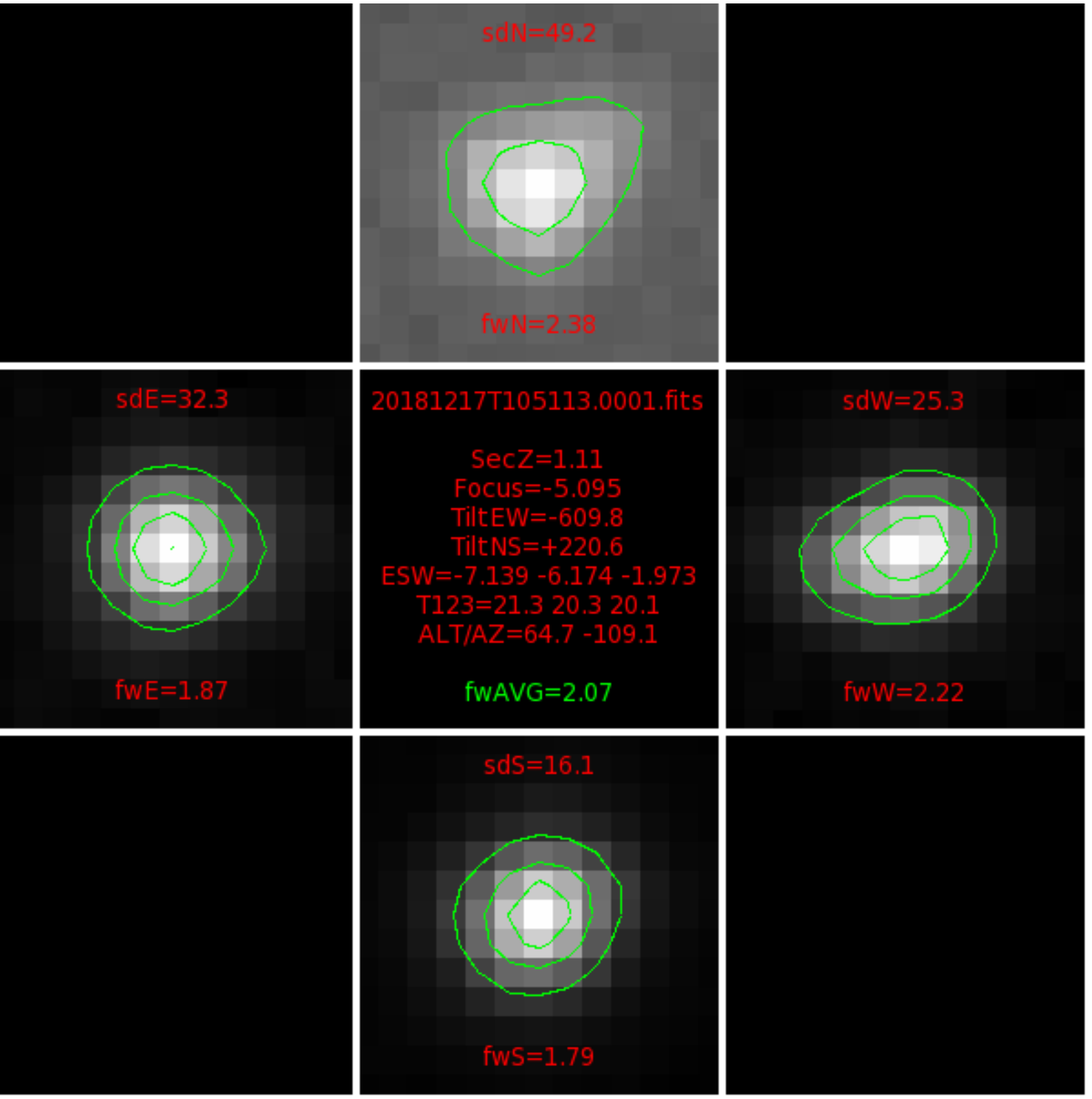
sdN=49.2
fwN=2.38
sdE=32.3
fwE=1.87
20181217T105113.0001.fits
SecZ=1.11
Focus=-5.095
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.139 -6.174 -1.973
T123=21.3 20.3 20.1
ALT/AZ=64.7 -109.1
fwAVG=2.07
sdW=25.3
fwW=2.22
sdS=16.1
fwS=1.79
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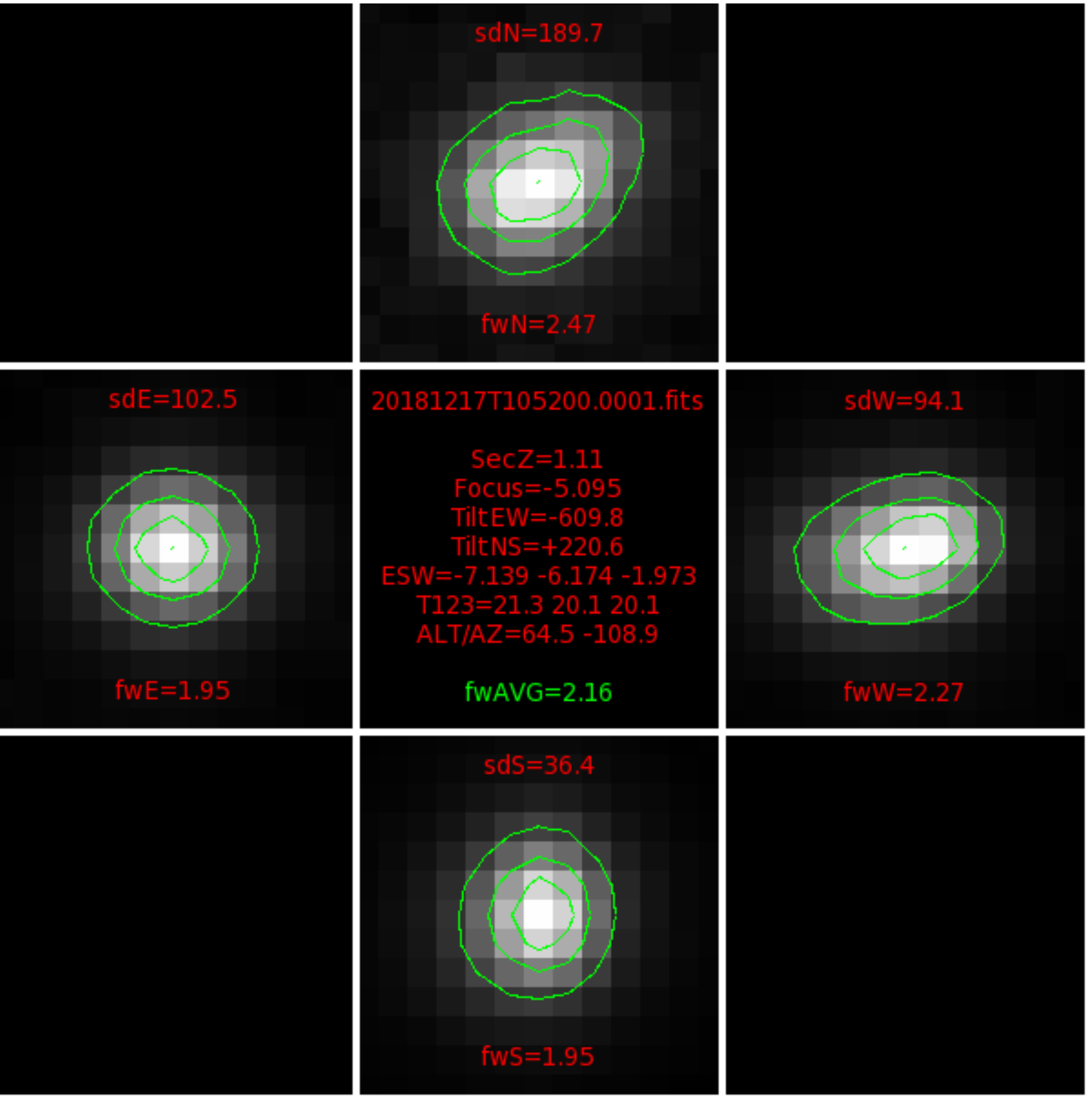
sdN=189.7
fwN=2.47
sdE=102.5
fwE=1.95
20181217T105200.0001.fits
SecZ=1.11
Focus=-5.095
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.139 -6.174 -1.973
T123=21.3 20.1 20.1
ALT/AZ=64.5 -108.9
fwAVG=2.16
sdW=94.1
fwW=2.27
sdS=36.4
fwS=1.95
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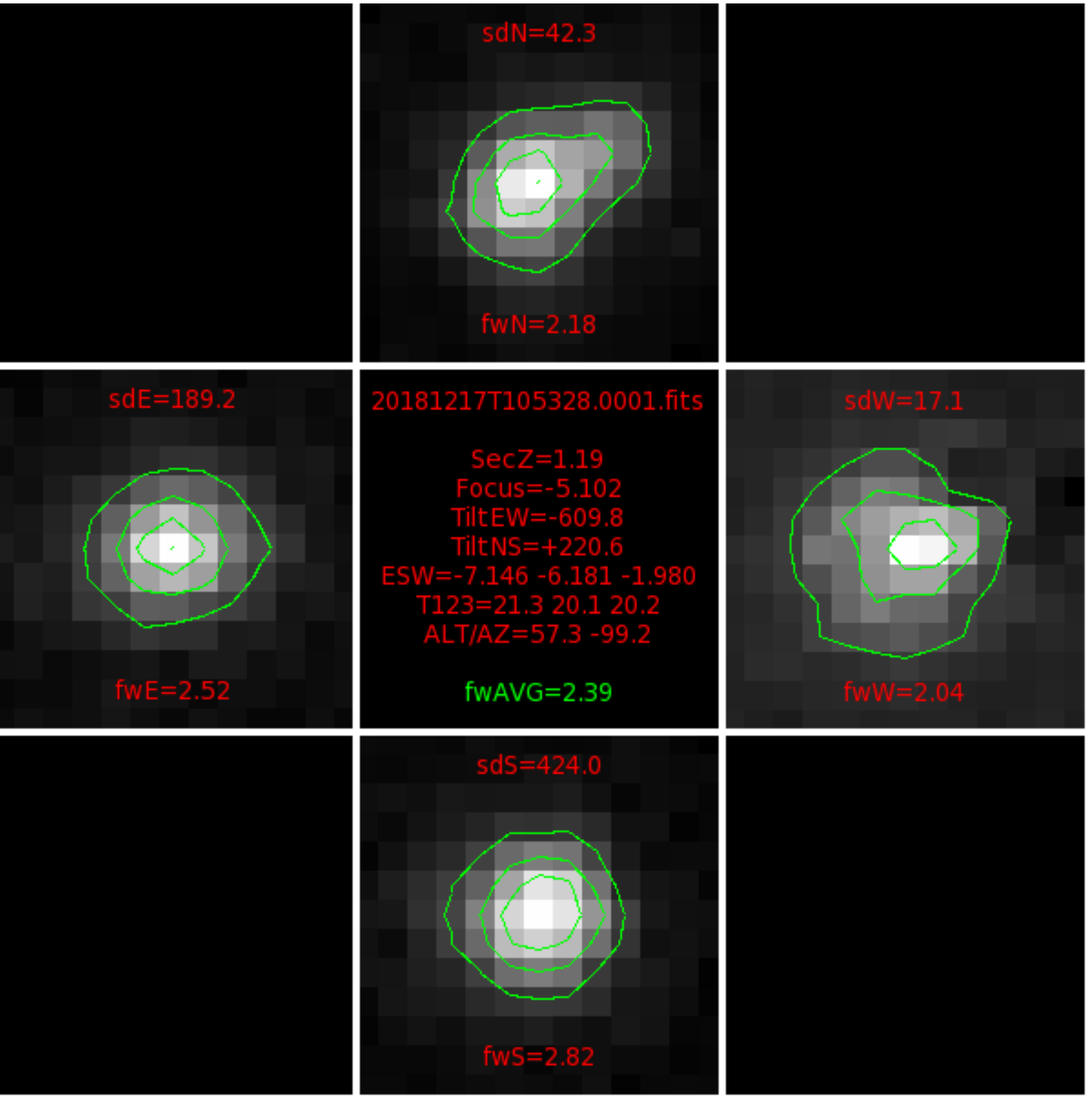
sdN=42.3
fwN=2.18
sdE=189.2
fwE=2.52
20181217T105328.0001.fits
SecZ=1.19
Focus=-5.102
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.146 -6.181 -1.980
T123=21.3 20.1 20.2
ALT/AZ=57.3 -99.2
fwAVG=2.39
sdW=17.1
fwW=2.04
sdS=424.0
fwS=2.82
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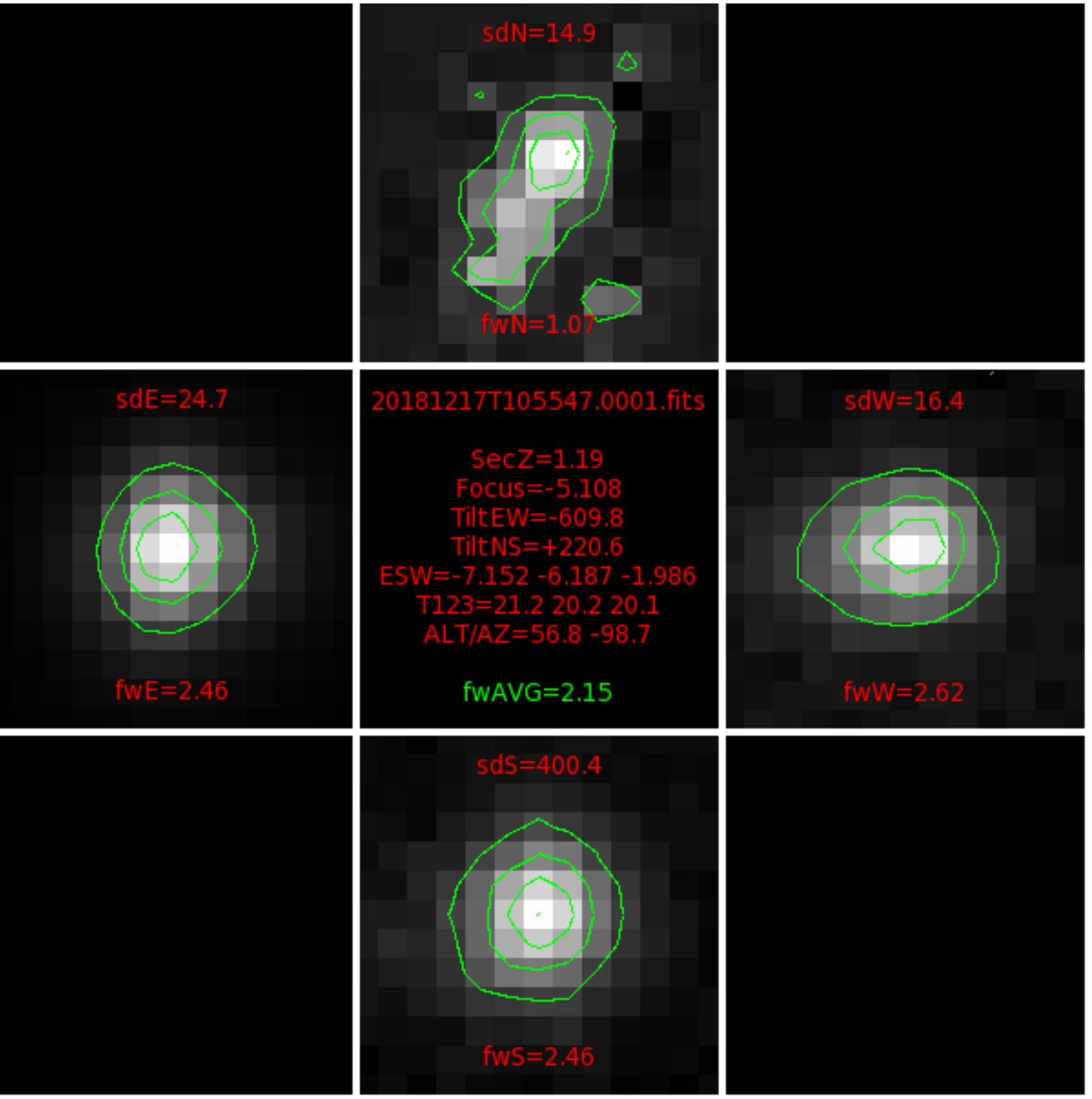
sdN=14.9
fwN=1.07
sdE=24.7
fwE=2.46
20181217T105547.0001.fits
SecZ=1.19
Focus=-5.108
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.152 -6.187 -1.986
T123=21.2 20.2 20.1
ALT/AZ=56.8 -98.7
fwAVG=2.15
sdW=16.4
fwW=2.62
sdS=400.4
fwS=2.46
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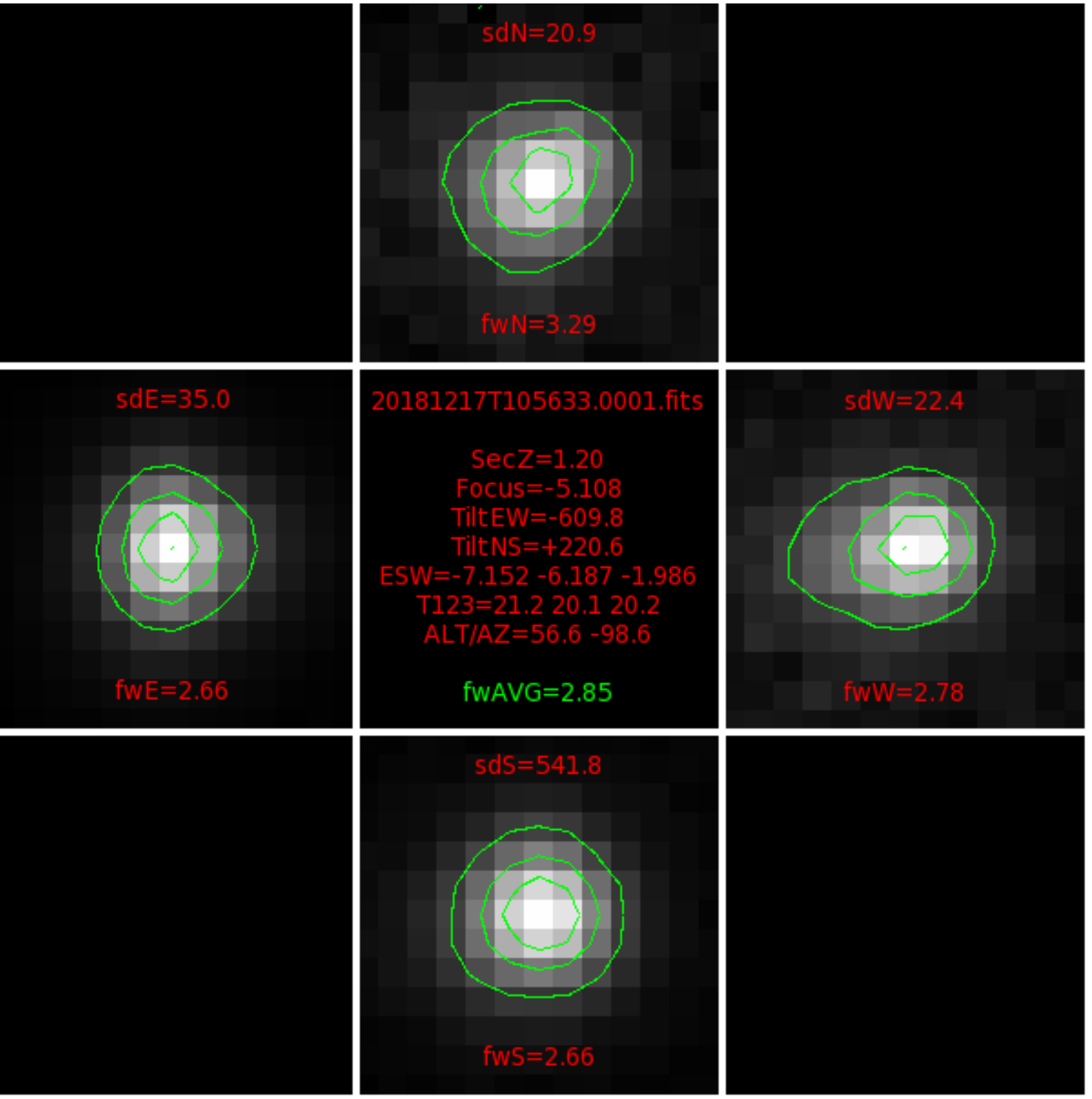
sdN=20.9
fwN=3.29
sdE=35.0
fwE=2.66
20181217T105633.0001.fits
SecZ=1.20
Focus=-5.108
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.152 -6.187 -1.986
T123=21.2 20.1 20.2
ALT/AZ=56.6 -98.6
fwAVG=2.85
sdW=22.4
fwW=2.78
sdS=541.8
fwS=2.66
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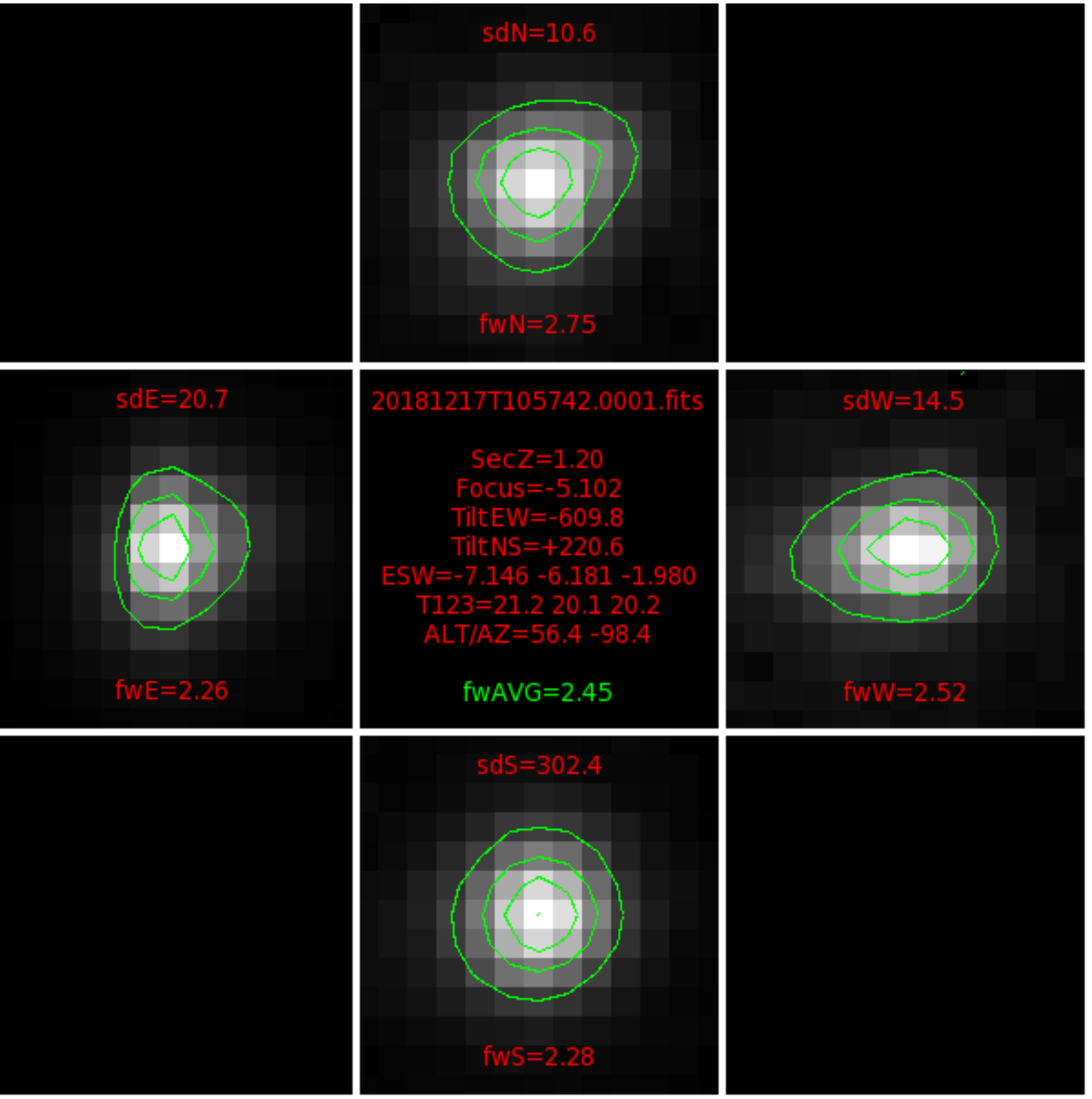
sdN=10.6
fwN=2.75
sdE=20.7
fwE=2.26
20181217T105742.0001.fits
SecZ=1.20
Focus=-5.102
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.146 -6.181 -1.980
T123=21.2 20.1 20.2
ALT/AZ=56.4 -98.4
fwAVG=2.45
sdW=14.5
fwW=2.52
sdS=302.4
fwS=2.28
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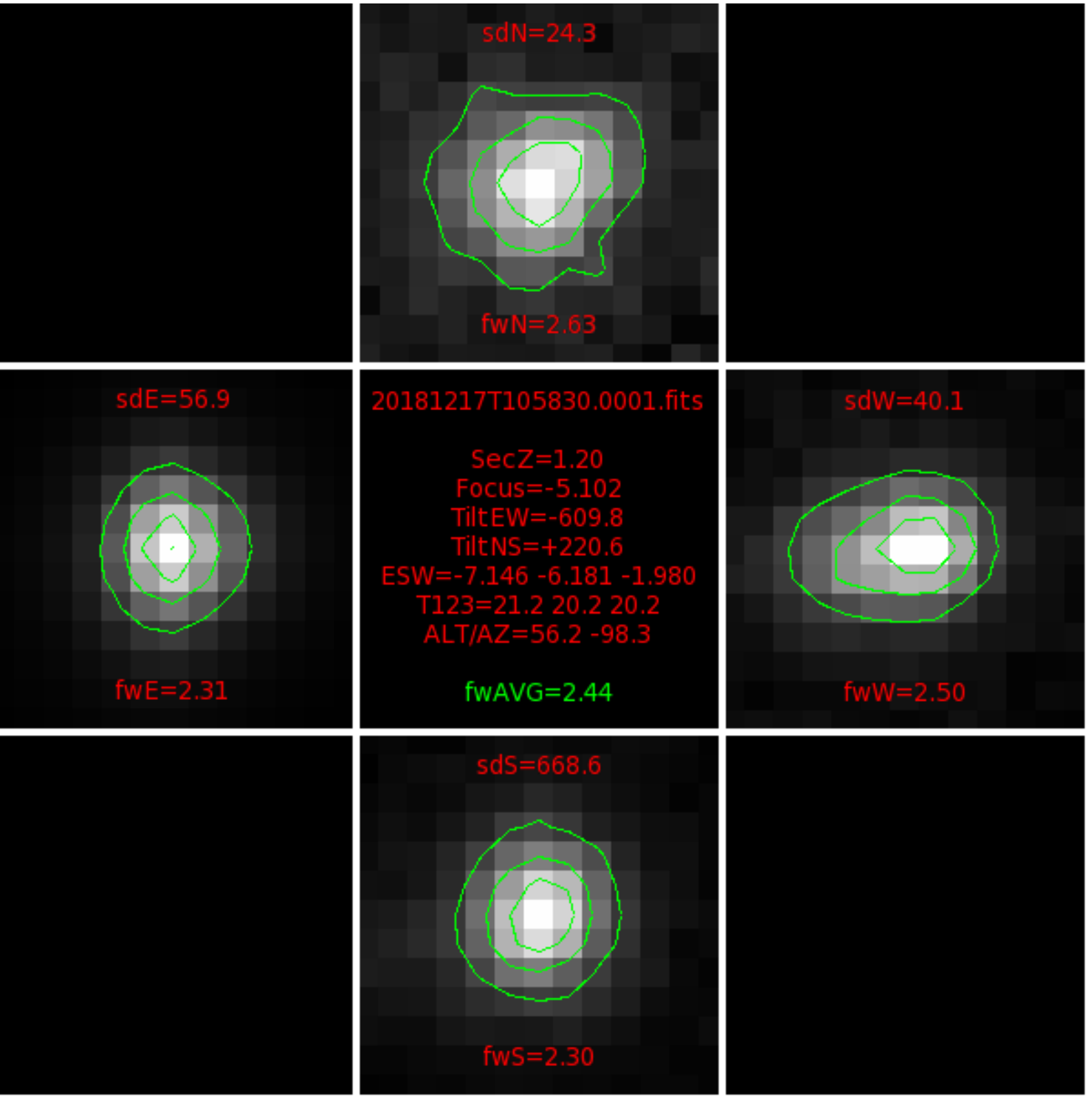
sdN=24.3
fwN=2.63
sdE=56.9
fwE=2.31
20181217T105830.0001.fits
SecZ=1.20
Focus=-5.102
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.146 -6.181 -1.980
T123=21.2 20.2 20.2
ALT/AZ=56.2 -98.3
fwAVG=2.44
sdW=40.1
fwW=2.50
sdS=668.6
fwS=2.30
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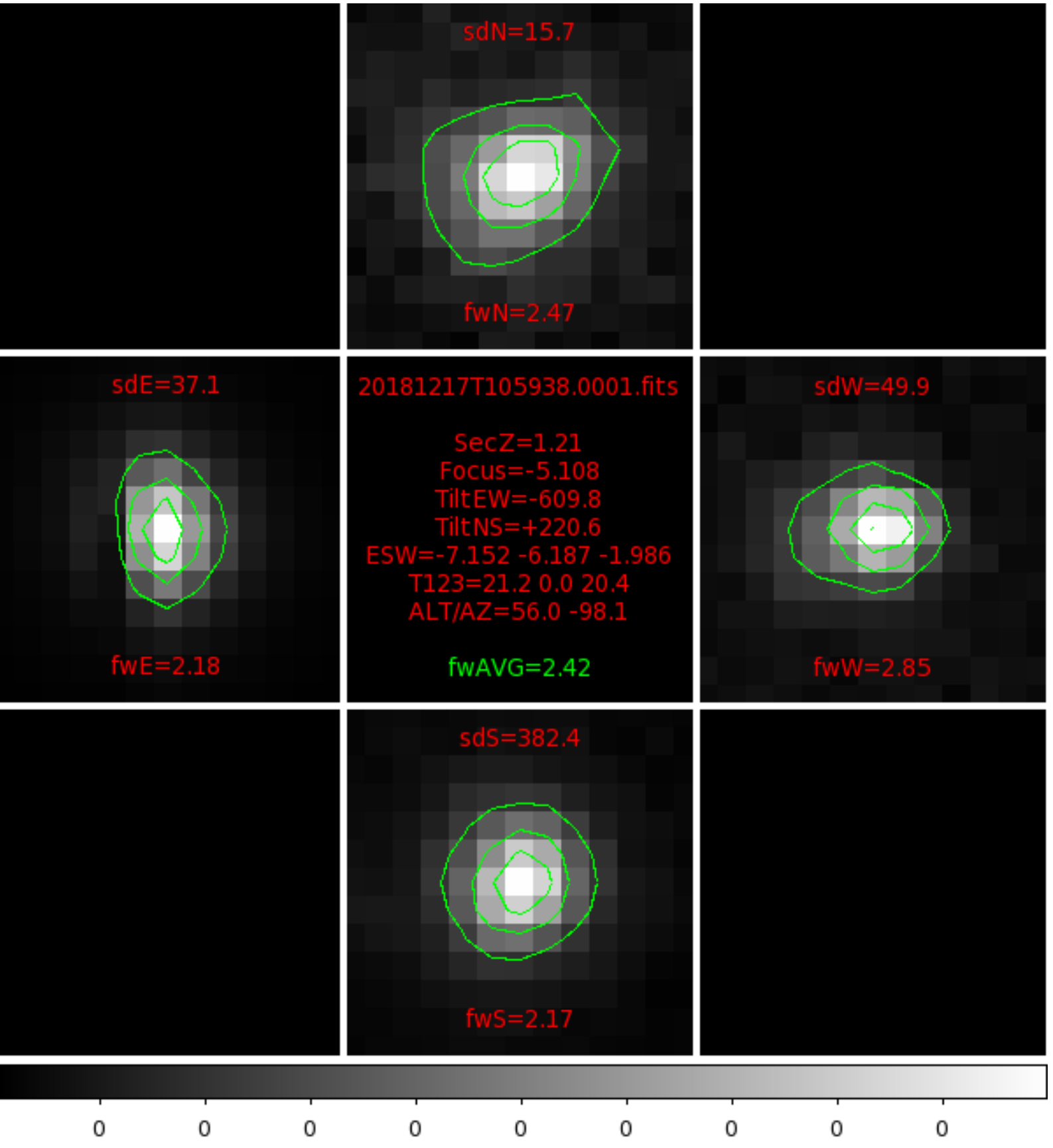
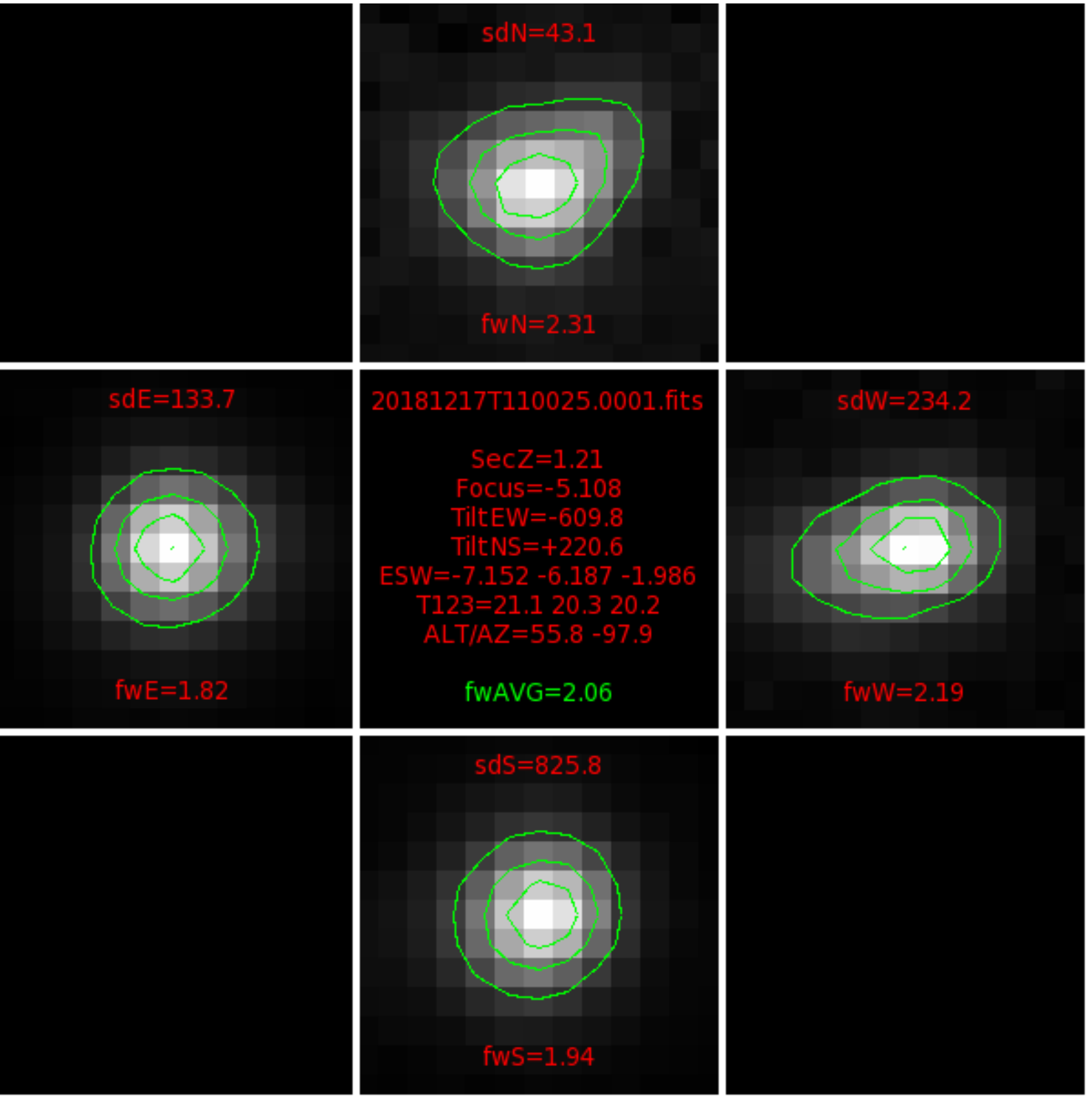

sdN=15.7
fwN=2.47
sdE=37.1
fwE=2.18
20181217T105938.0001.fits
SecZ=1.21
Focus=-5.108
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.152 -6.187 -1.986
T123=21.2 0.0 20.4
ALT/AZ=56.0 -98.1
fwAVG=2.42
sdW=49.9
fwW=2.85
sdS=382.4
fwS=2.17
0 0 0 0 0 0 0 0 0


sdN=43.1
fwN=2.31
sdE=133.7
fwE=1.82
20181217T110025.0001.fits
SecZ=1.21
Focus=-5.108
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.152 -6.187 -1.986
T123=21.1 20.3 20.2
ALT/AZ=55.8 -97.9
fwAVG=2.06
sdW=234.2
fwW=2.19
sdS=825.8
fwS=1.94
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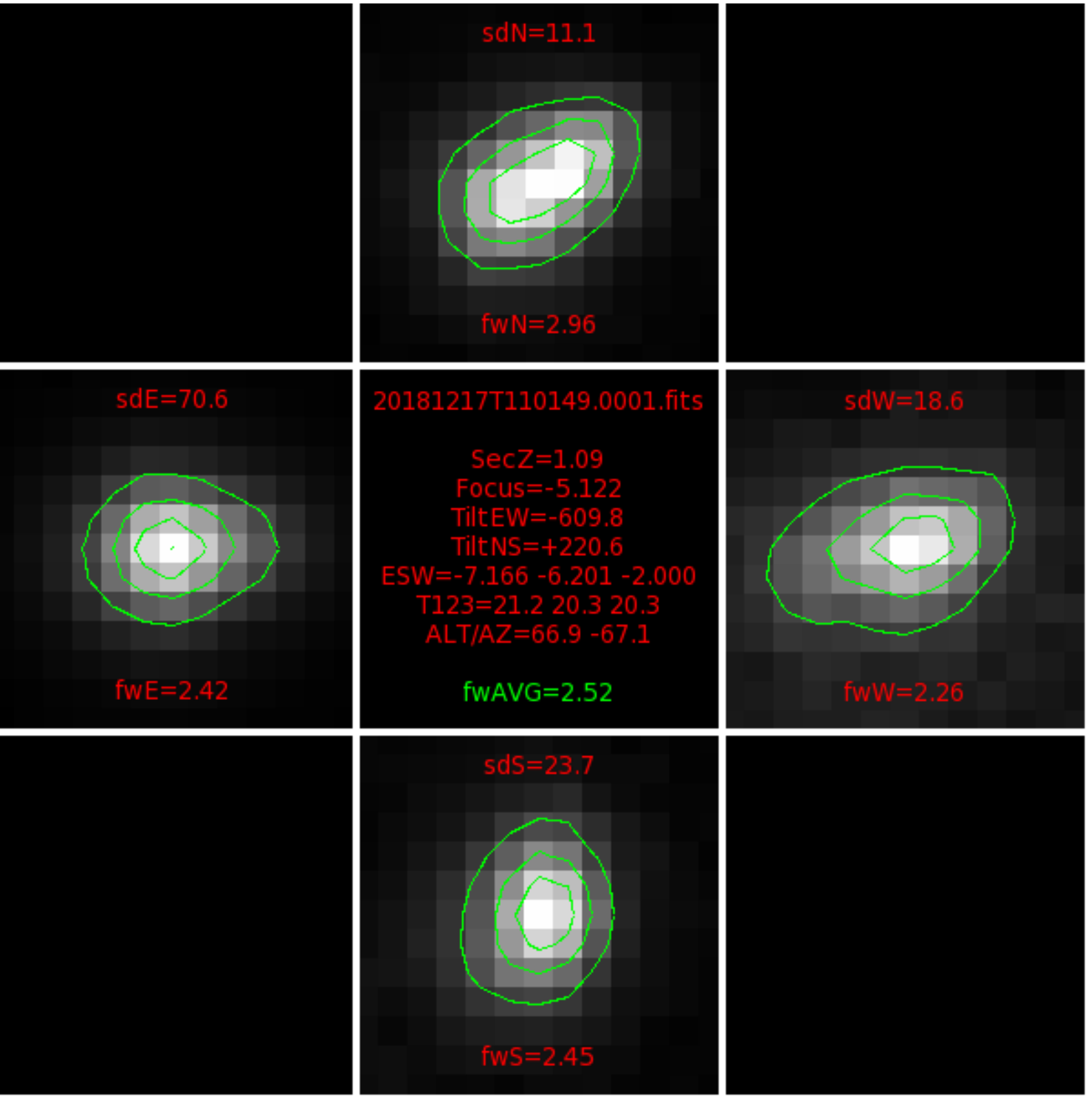
sdN=11.1
fwN=2.96
sdE=70.6
fwE=2.42
20181217T110149.0001.fits
SecZ=1.09
Focus=-5.122
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.166 -6.201 -2.000
T123=21.2 20.3 20.3
ALT/AZ=66.9 -67.1
fwAVG=2.52
sdW=18.6
fwW=2.26
sdS=23.7
fwS=2.45
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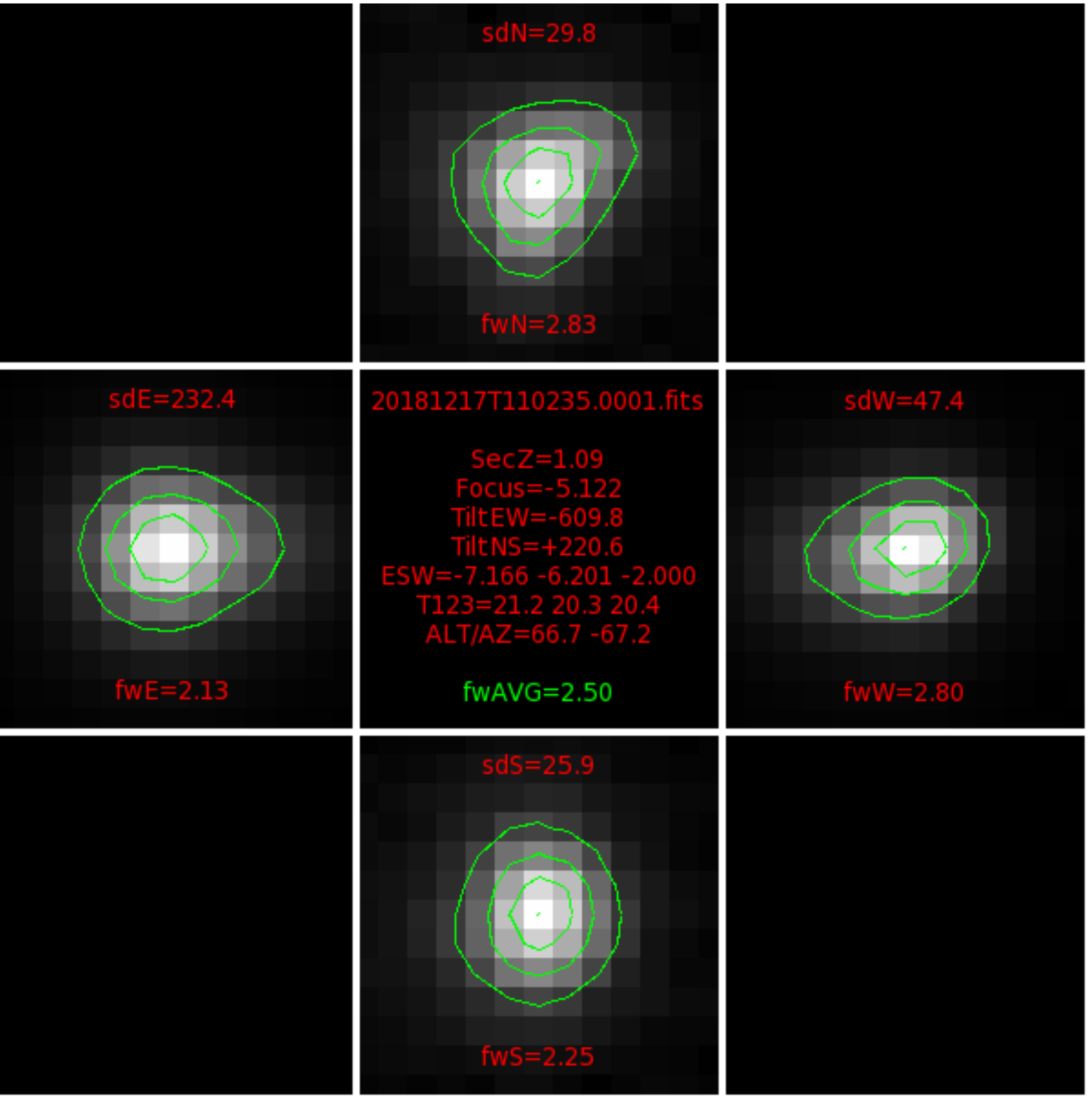
sdN=29.8
fwN=2.83
sdE=232.4
fwE=2.13
20181217T110235.0001.fits
SecZ=1.09
Focus=-5.122
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.166 -6.201 -2.000
T123=21.2 20.3 20.4
ALT/AZ=66.7 -67.2
fwAVG=2.50
sdW=47.4
fwW=2.80
sdS=25.9
fwS=2.25
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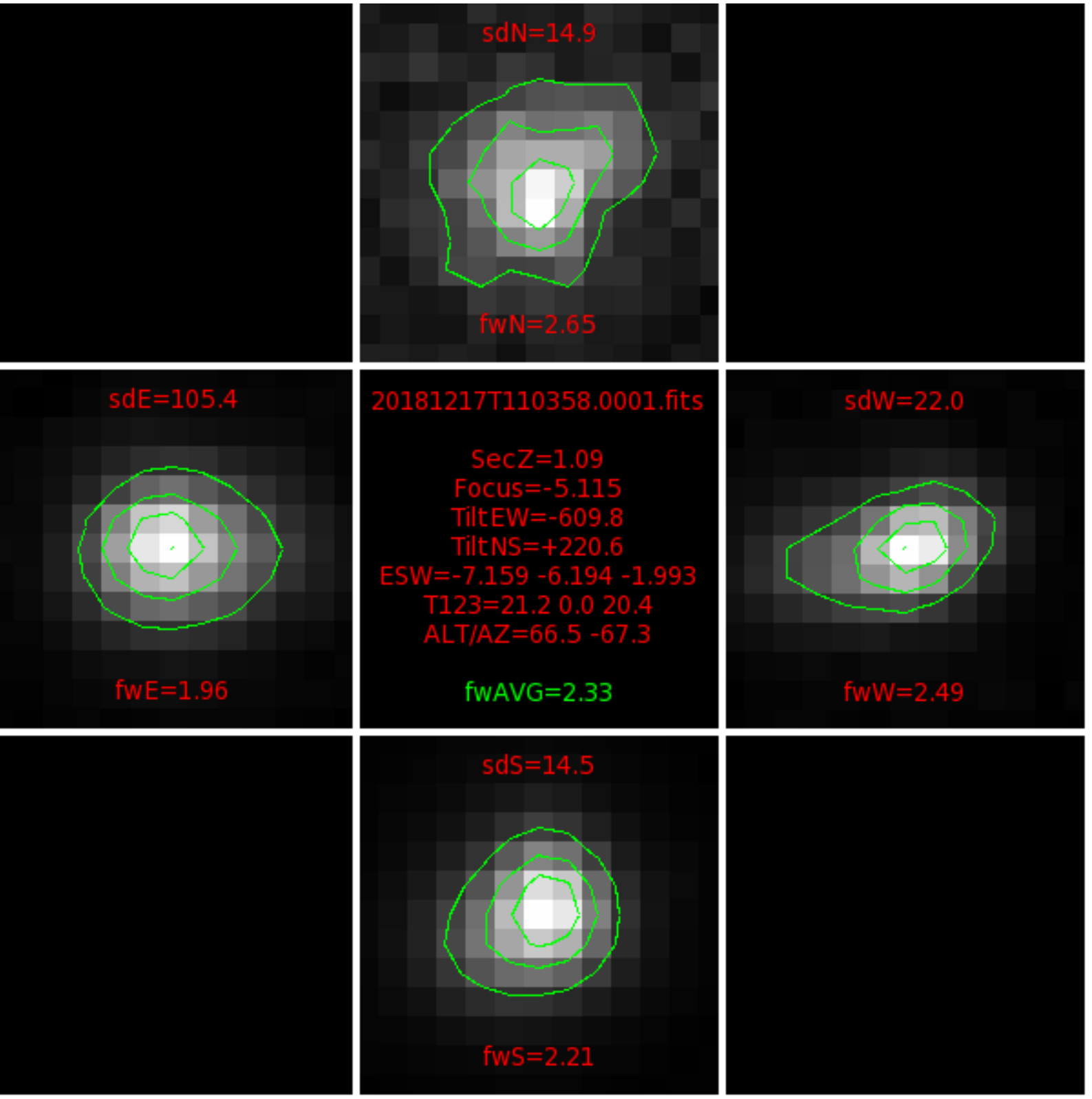
sdN=14.9
fwN=2.65
sdE=105.4
fwE=1.96
20181217T110358.0001.fits
SecZ=1.09
Focus=-5.115
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.159 -6.194 -1.993
T123=21.2 0.0 20.4
ALT/AZ=66.5 -67.3
fwAVG=2.33
sdW=22.0
fwW=2.49
sdS=14.5
fwS=2.21
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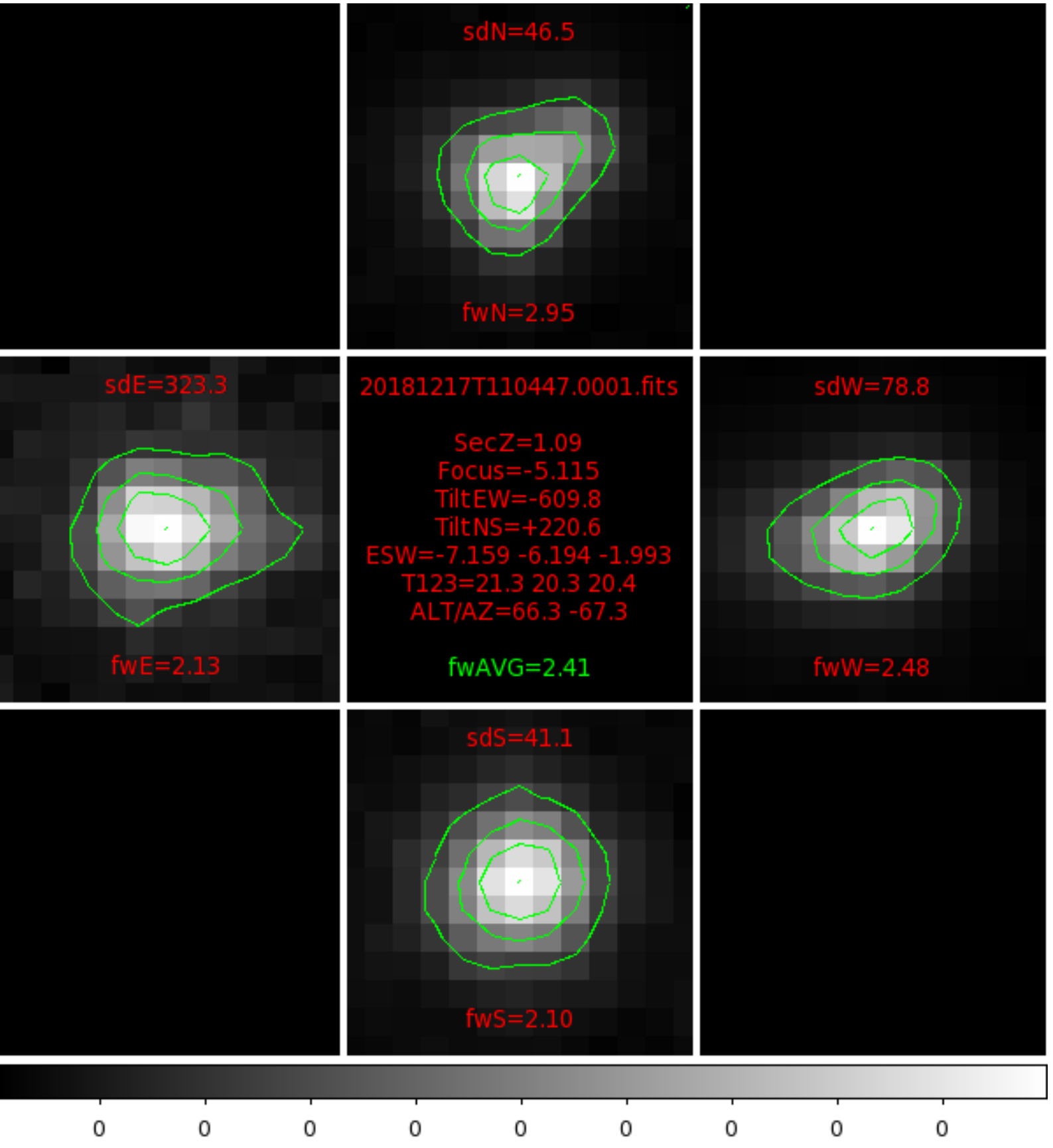
sdN=46.5
fwN=2.95
sdE=323.3
fwE=2.13
20181217T110447.0001.fits
SecZ=1.09
Focus=-5.115
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.159 -6.194 -1.993
T123=21.3 20.3 20.4
ALT/AZ=66.3 -67.3
fwAVG=2.41
sdW=78.8
fwW=2.48
sdS=41.1
fwS=2.10
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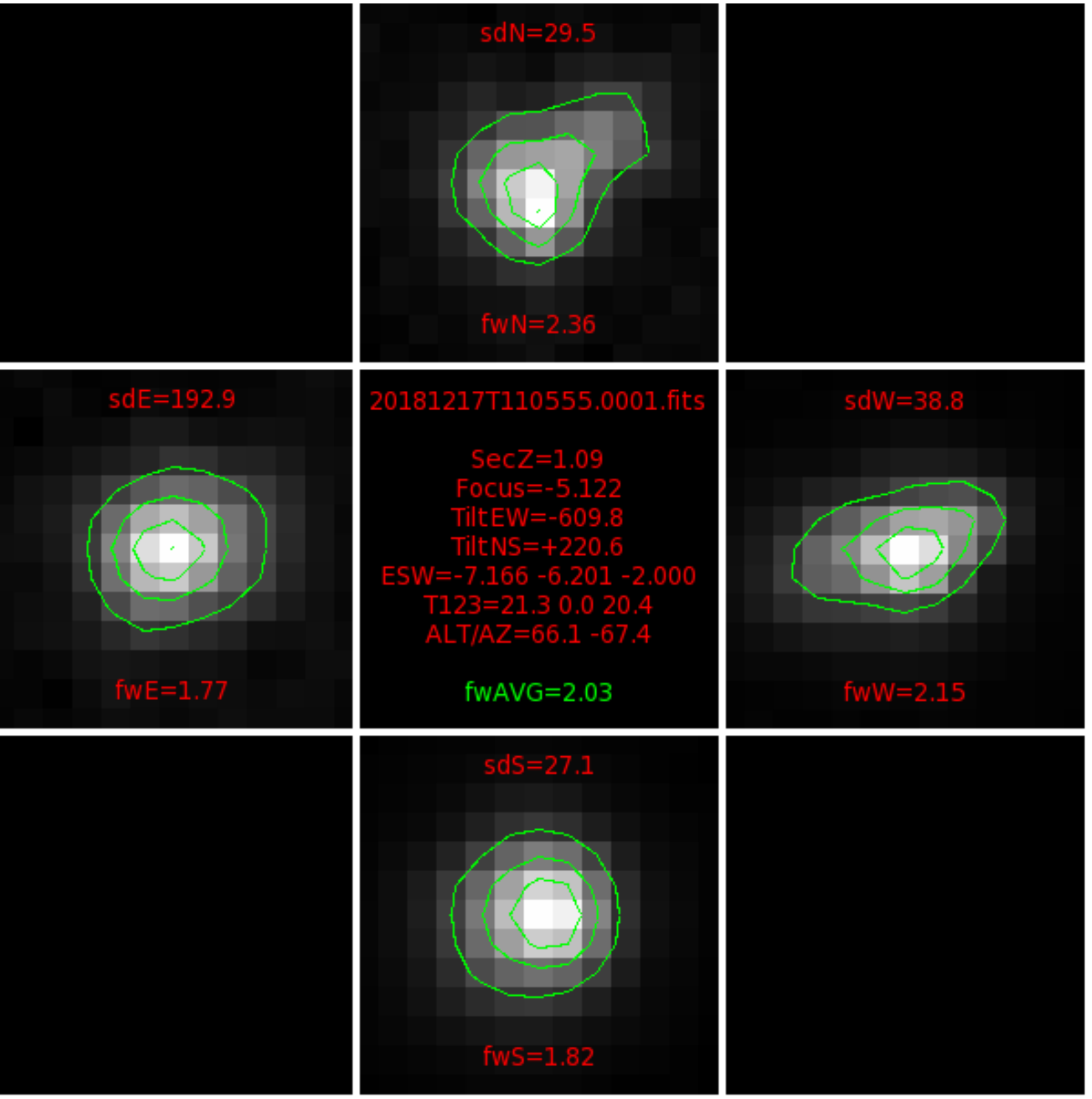
sdN=29.5
fwN=2.36
sdE=192.9
fwE=1.77
20181217T110555.0001.fits
SecZ=1.09
Focus=-5.122
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.166 -6.201 -2.000
T123=21.3 0.0 20.4
ALT/AZ=66.1 -67.4
fwAVG=2.03
sdW=38.8
fwW=2.15
sdS=27.1
fwS=1.82
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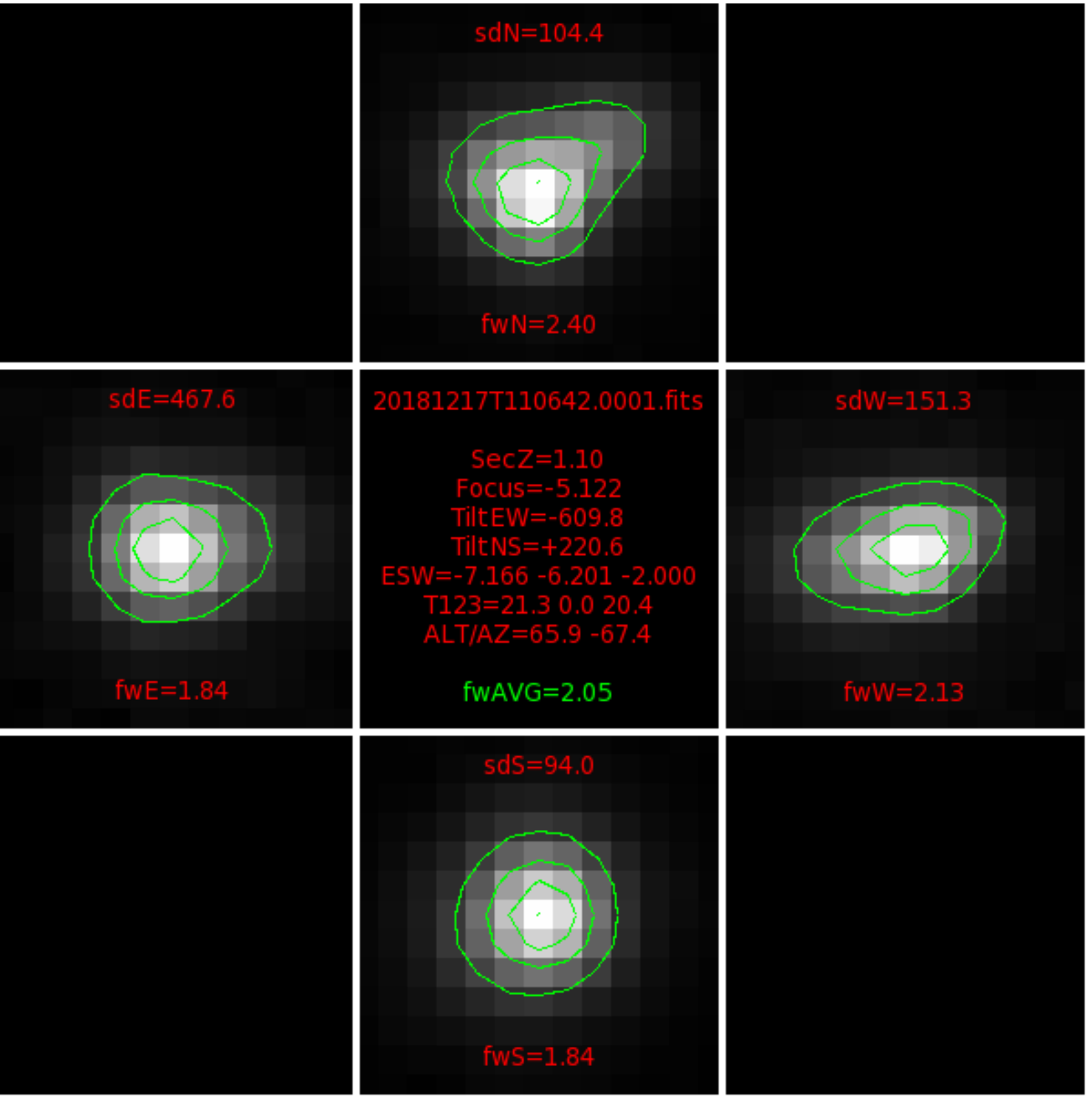
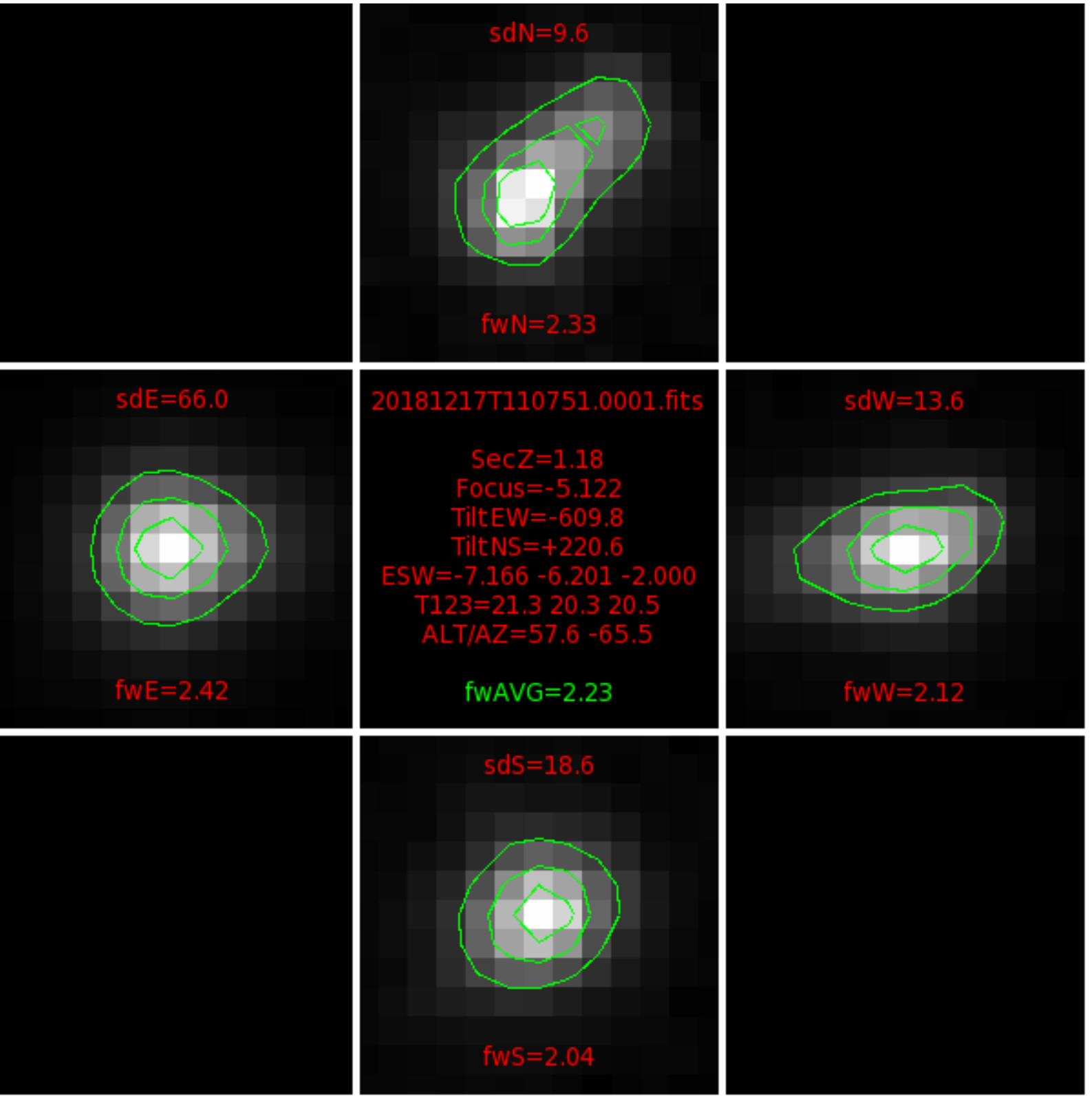
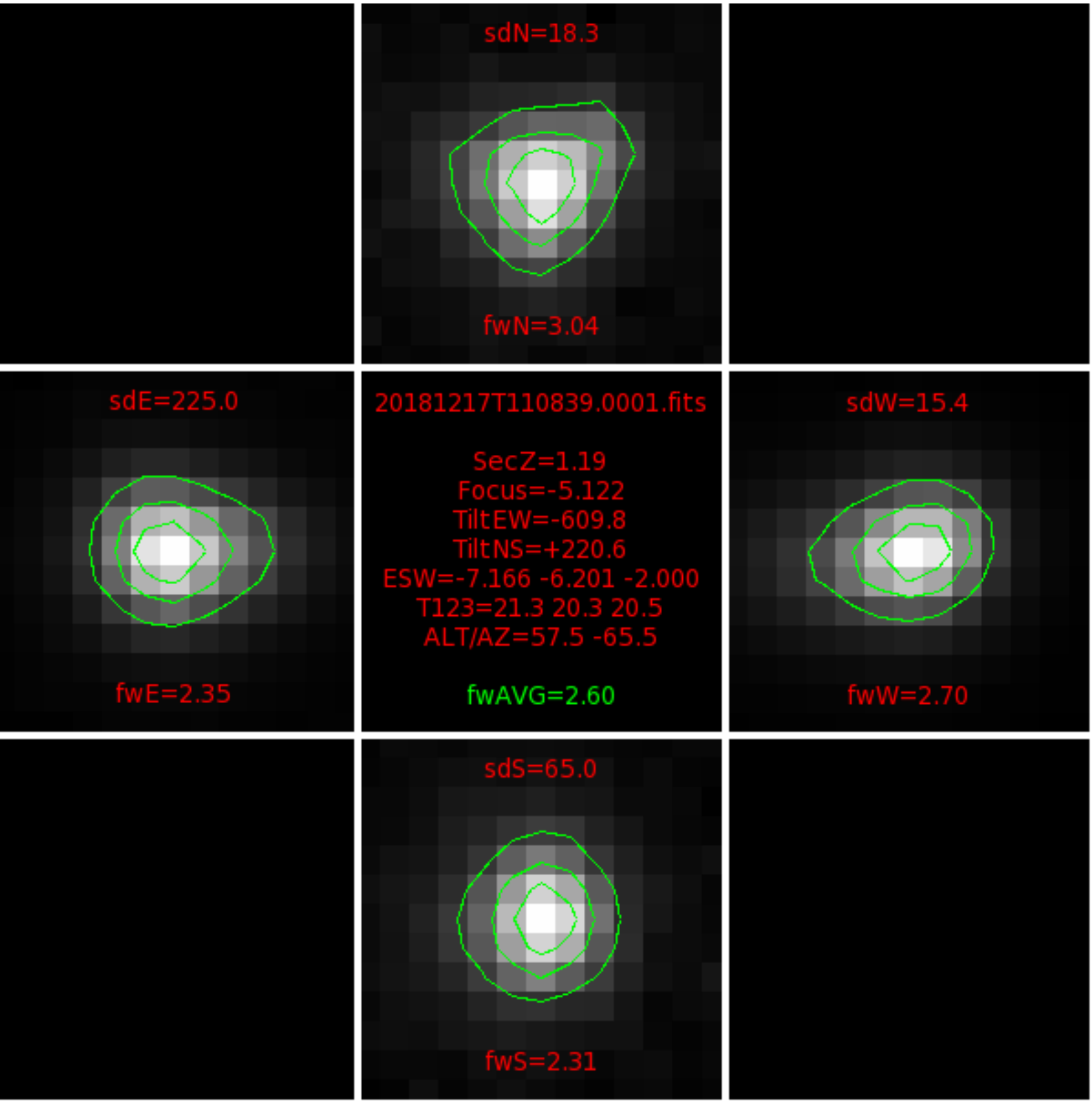

sdN=104.4
fwN=2.40
sdE=467.6
fwE=1.84
20181217T110642.0001.fits
SecZ=1.10
Focus=-5.122
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.166 -6.201 -2.000
T123=21.3 0.0 20.4
ALT/AZ=65.9 -67.4
fwAVG=2.05
sdW=151.3
fwW=2.13
sdS=94.0
fwS=1.84
0 0 0 0 0 0 0 0 0


sdN=9.6
fwN=2.33
sdE=66.0
fwE=2.42
20181217T110751.0001.fits
SecZ=1.18
Focus=-5.122
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.166 -6.201 -2.000
T123=21.3 20.3 20.5
ALT/AZ=57.6 -65.5
fwAVG=2.23
sdW=13.6
fwW=2.12
sdS=18.6
fwS=2.04
0 0 0 0 0 0 0 0 0


sdN=18.3
fwN=3.04
sdE=225.0
fwE=2.35
20181217T110839.0001.fits
SecZ=1.19
Focus=-5.122
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.166 -6.201 -2.000
T123=21.3 20.3 20.5
ALT/AZ=57.5 -65.5
fwAVG=2.60
sdW=15.4
fwW=2.70
sdS=65.0
fwS=2.31
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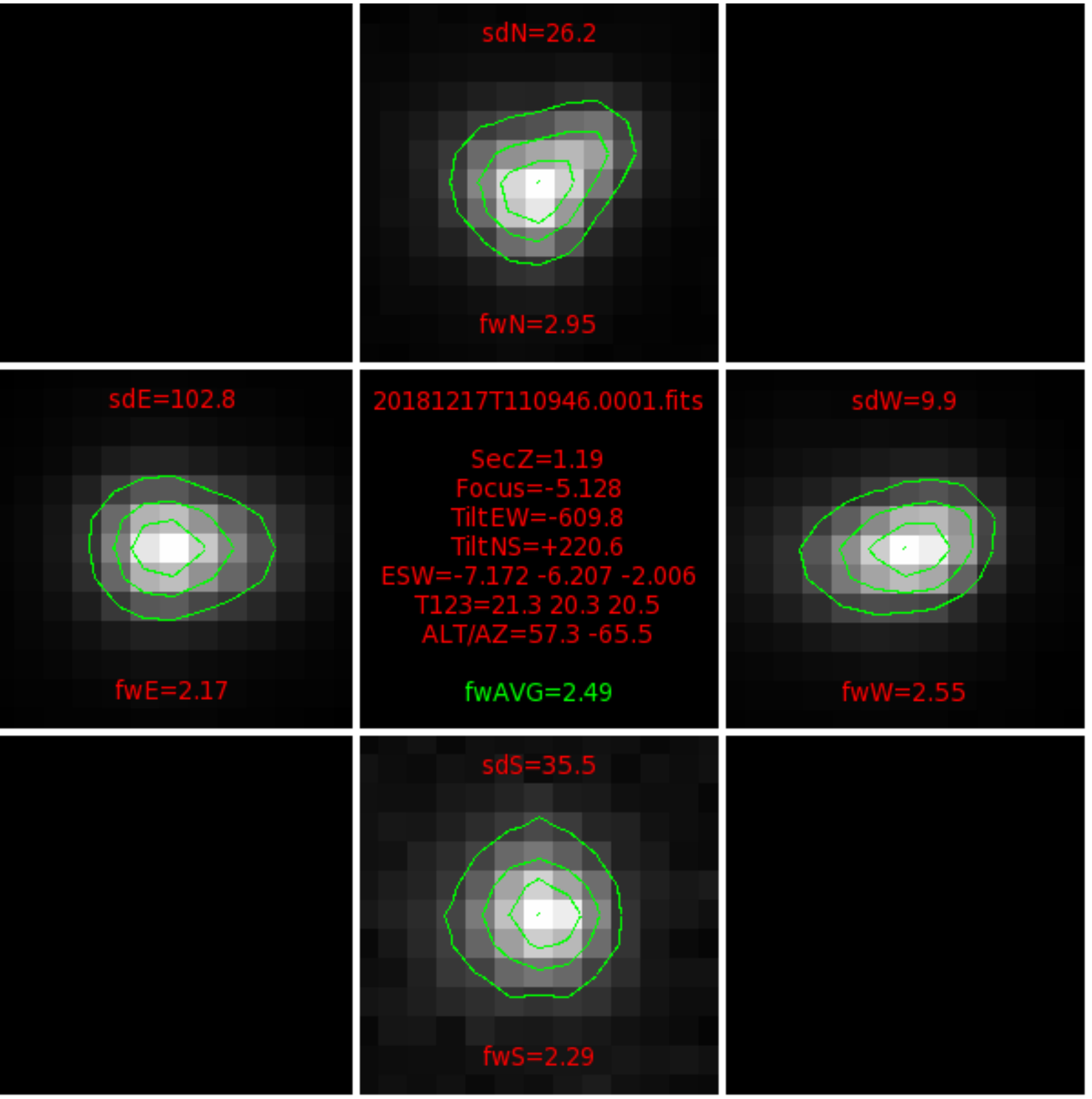
sdN=26.2
fwN=2.95
sdE=102.8
fwE=2.17
20181217T110946.0001.fits
SecZ=1.19
Focus=-5.128
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.172 -6.207 -2.006
T123=21.3 20.3 20.5
ALT/AZ=57.3 -65.5
fwAVG=2.49
sdW=9.9
fwW=2.55
sdS=35.5
fwS=2.29
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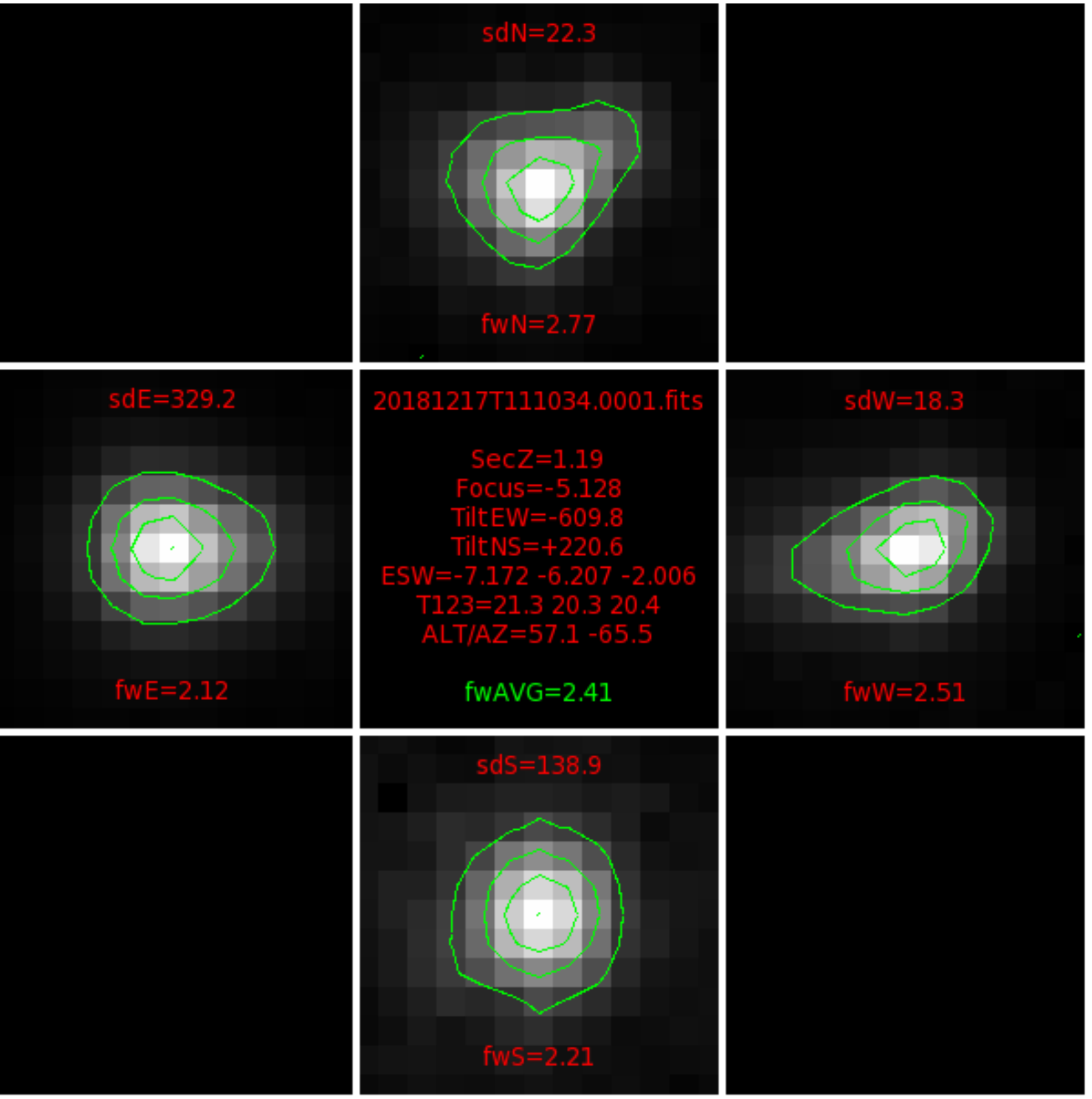
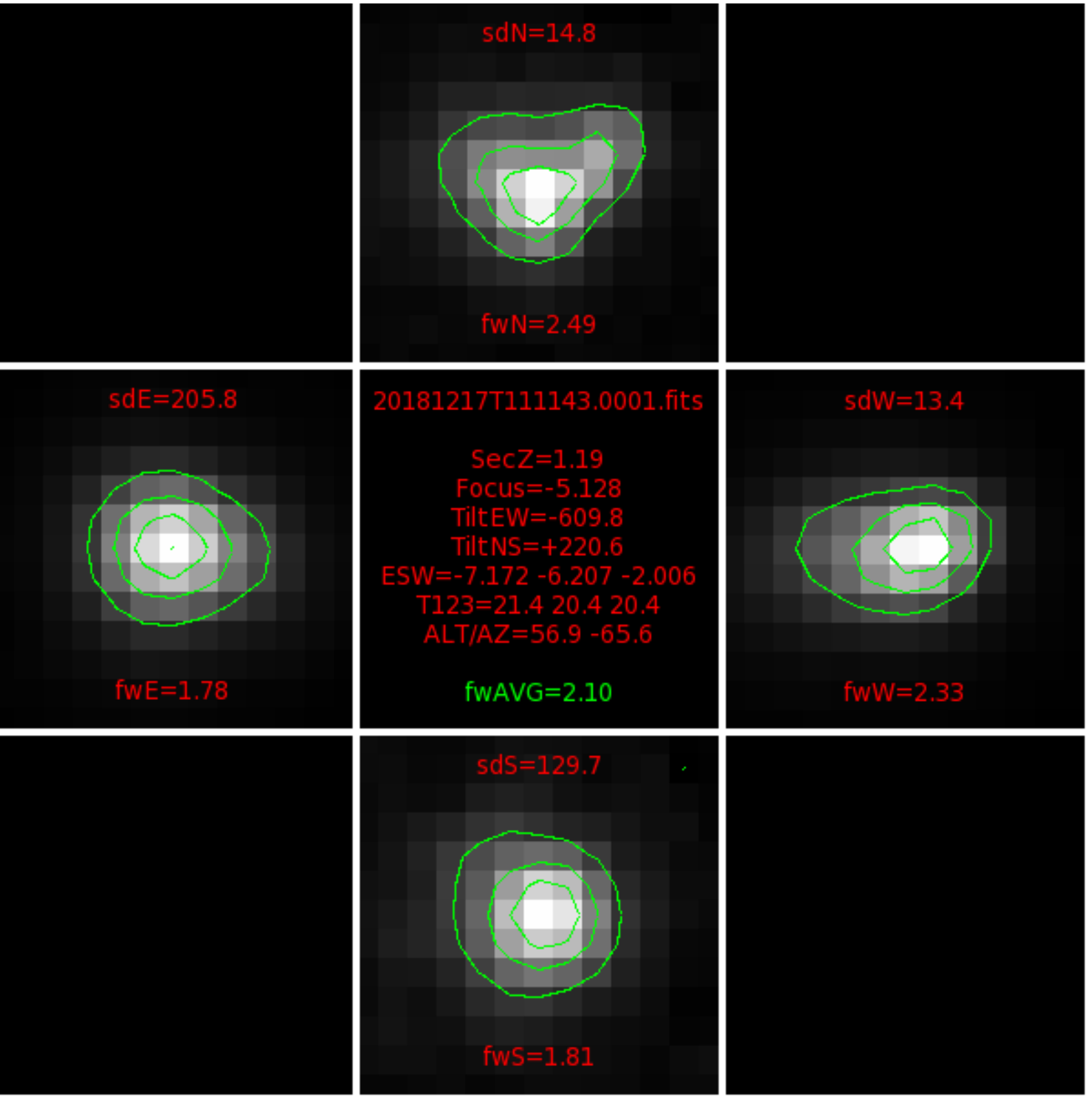

sdN=22.3
fwN=2.77
sdE=329.2
fwE=2.12
20181217T111034.0001.fits
SecZ=1.19
Focus=-5.128
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.172 -6.207 -2.006
T123=21.3 20.3 20.4
ALT/AZ=57.1 -65.5
fwAVG=2.41
sdW=18.3
fwW=2.51
sdS=138.9
fwS=2.21
0 0 0 0 0 0 0 0 0


sdN=14.8
fwN=2.49
sdE=205.8
fwE=1.78
20181217T111143.0001.fits
SecZ=1.19
Focus=-5.128
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.172 -6.207 -2.006
T123=21.4 20.4 20.4
ALT/AZ=56.9 -65.6
fwAVG=2.10
sdW=13.4
fwW=2.33
sdS=129.7
fwS=1.81
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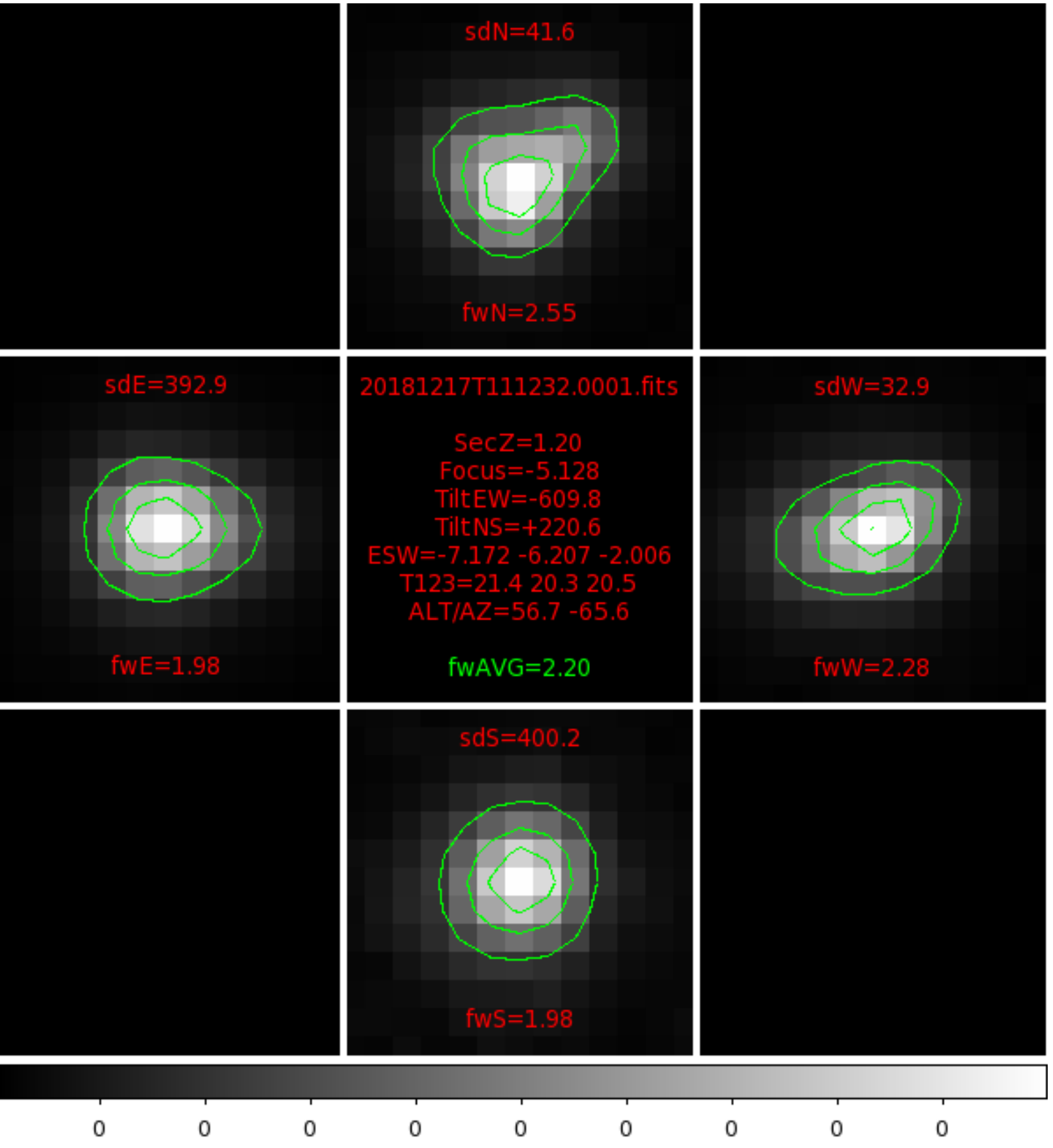
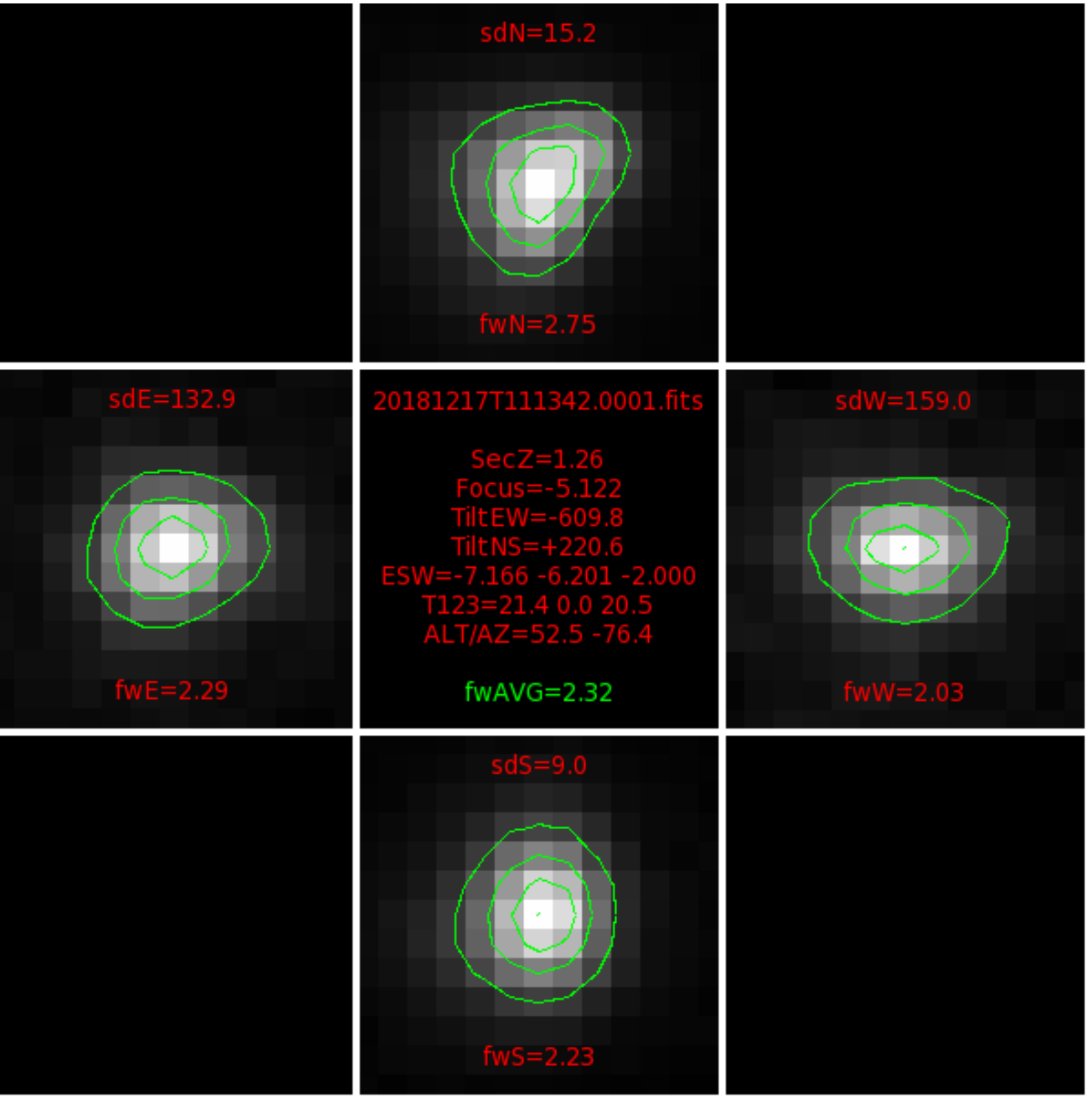
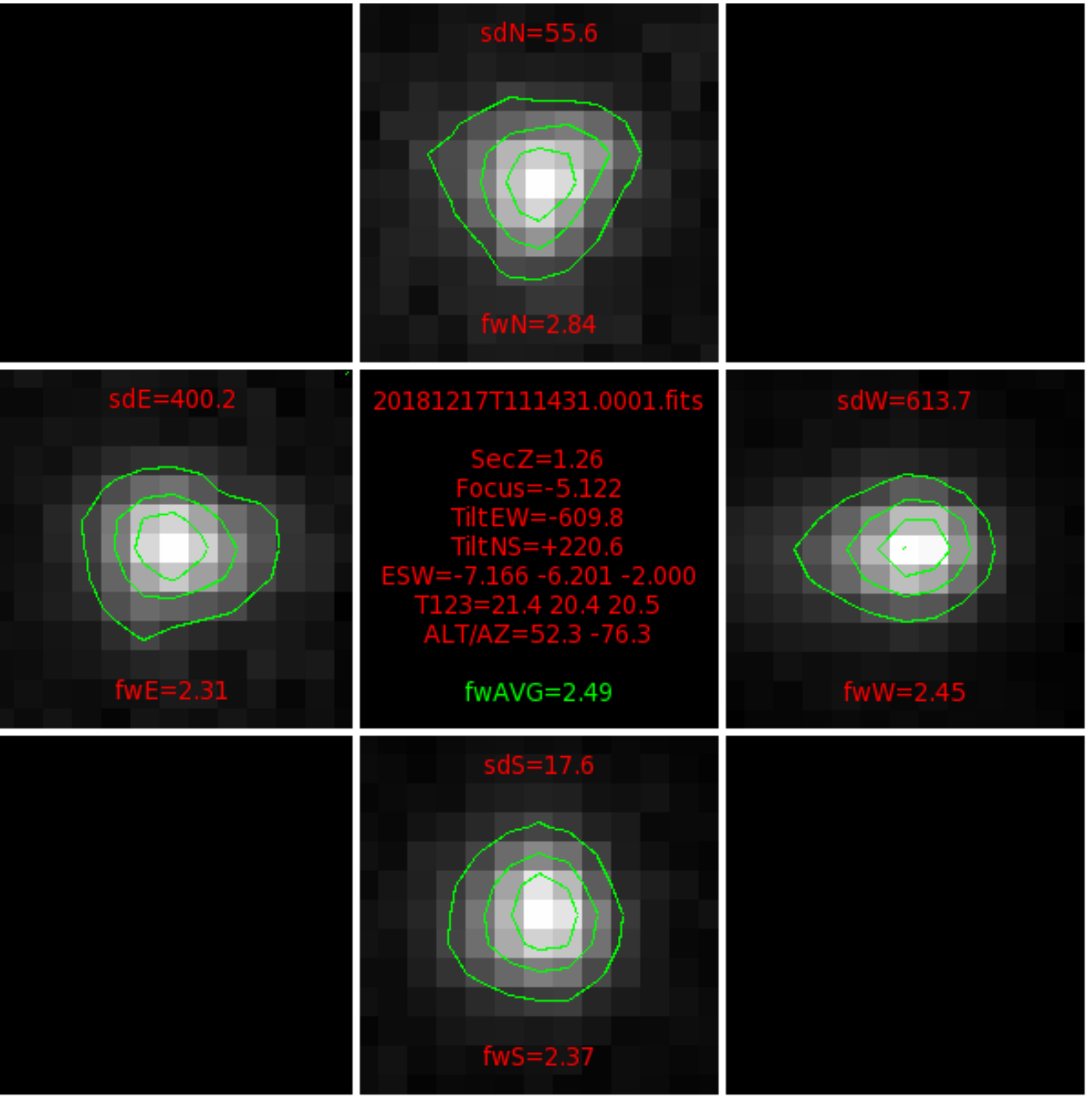

sdN=41.6
fwN=2.55
sdE=392.9
fwE=1.98
20181217T111232.0001.fits
SecZ=1.20
Focus=-5.128
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.172 -6.207 -2.006
T123=21.4 20.3 20.5
ALT/AZ=56.7 -65.6
fwAVG=2.20
sdW=32.9
fwW=2.28
sdS=400.2
fwS=1.98
0 0 0 0 0 0 0 0 0


sdN=15.2
fwN=2.75
sdE=132.9
fwE=2.29
20181217T111342.0001.fits
SecZ=1.26
Focus=-5.122
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.166 -6.201 -2.000
T123=21.4 0.0 20.5
ALT/AZ=52.5 -76.4
fwAVG=2.32
sdW=159.0
fwW=2.03
sdS=9.0
fwS=2.23
0 0 0 0 0 0 0 0 0


sdN=55.6
fwN=2.84
sdE=400.2
fwE=2.31
20181217T111431.0001.fits
SecZ=1.26
Focus=-5.122
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.166 -6.201 -2.000
T123=21.4 20.4 20.5
ALT/AZ=52.3 -76.3
fwAVG=2.49
sdW=613.7
fwW=2.45
sdS=17.6
fwS=2.37
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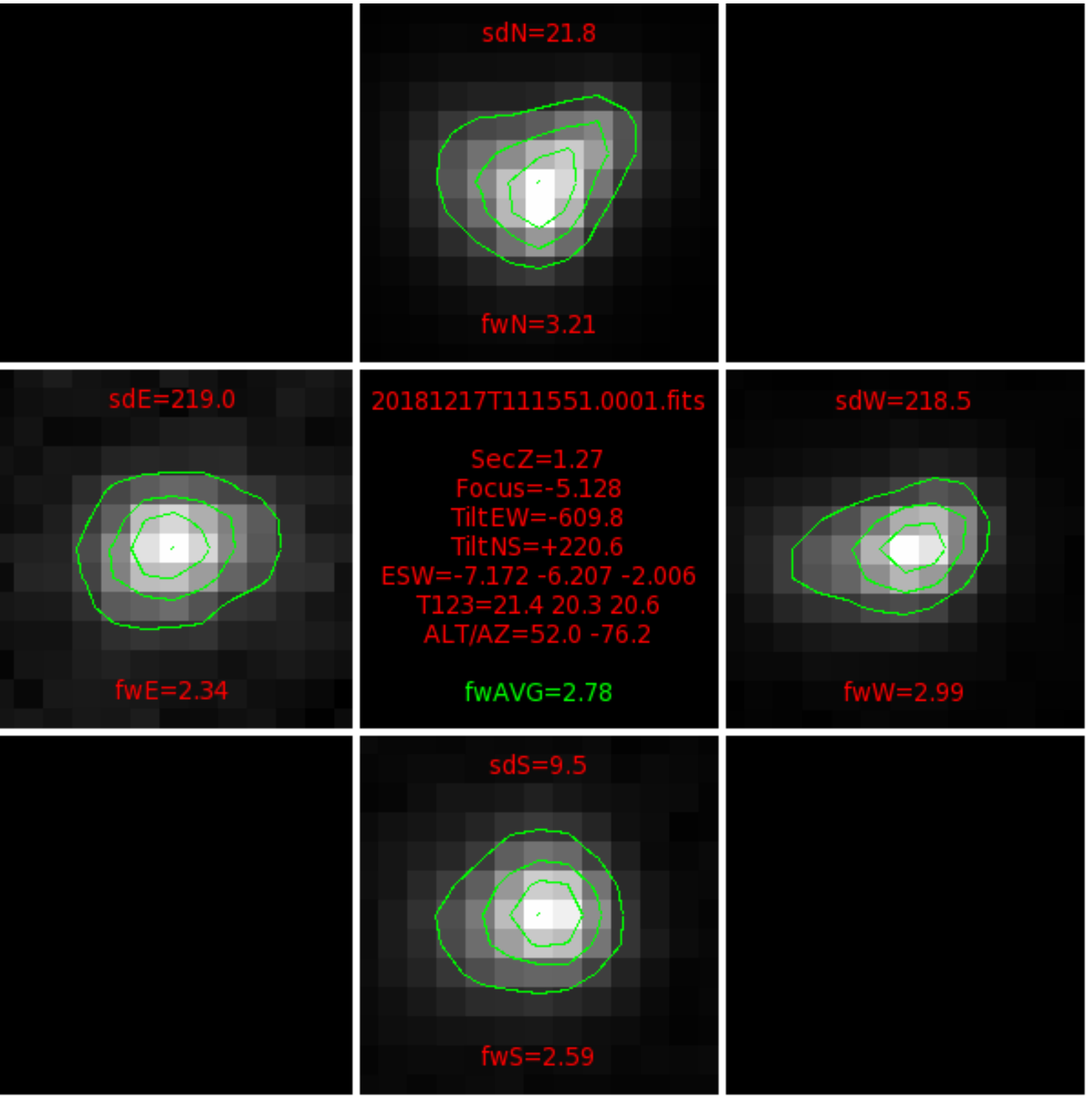
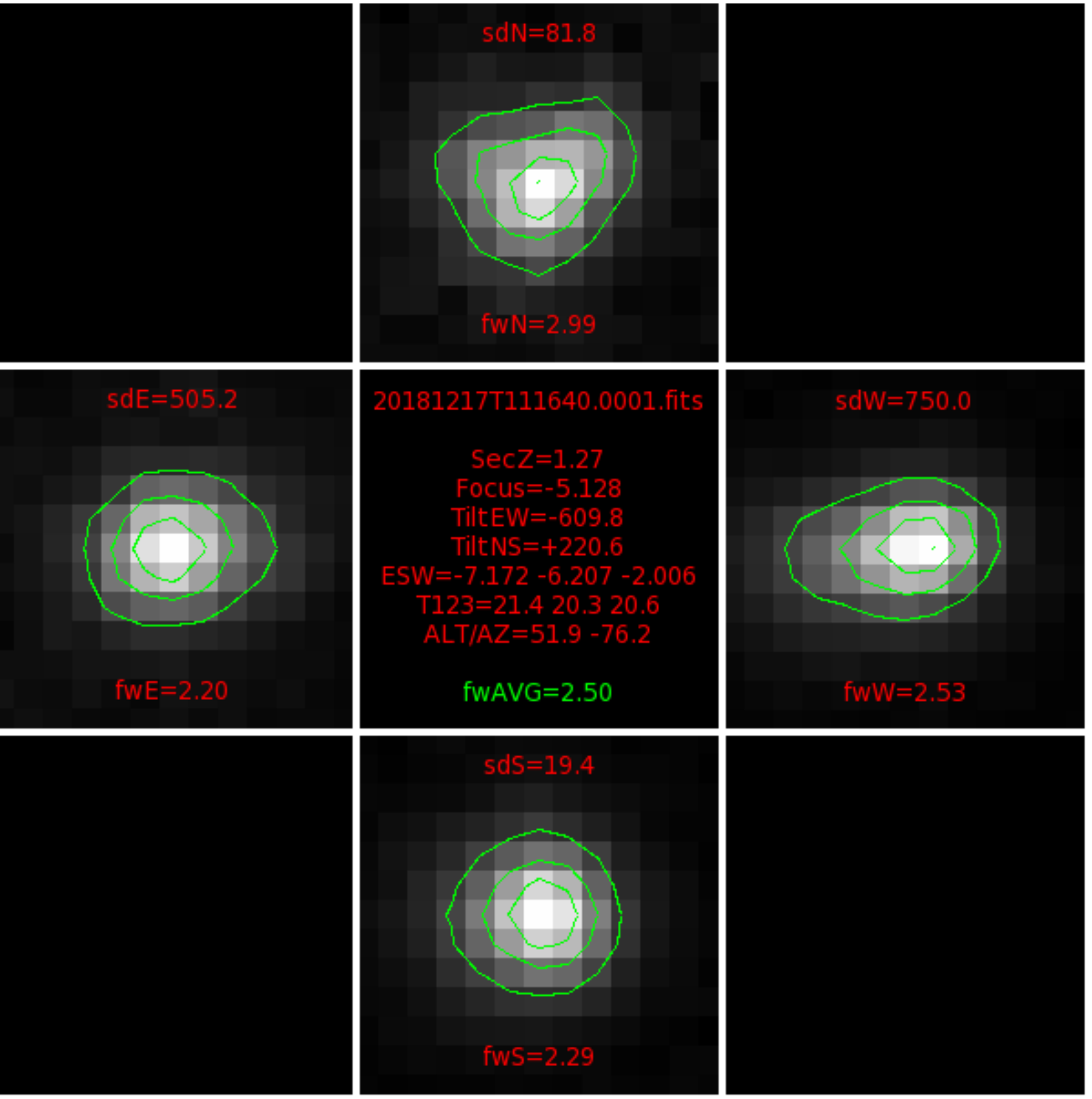

sdN=21.8
fwN=3.21
sdE=219.0
fwE=2.34
20181217T111551.0001.fits
SecZ=1.27
Focus=-5.128
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.172 -6.207 -2.006
T123=21.4 20.3 20.6
ALT/AZ=52.0 -76.2
fwAVG=2.78
sdW=218.5
fwW=2.99
sdS=9.5
fwS=2.59
0 0 0 0 0 0 0 0 0


sdN=81.8
fwN=2.99
sdE=505.2
fwE=2.20
20181217T111640.0001.fits
SecZ=1.27
Focus=-5.128
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.172 -6.207 -2.006
T123=21.4 20.3 20.6
ALT/AZ=51.9 -76.2
fwAVG=2.50
sdW=750.0
fwW=2.53
sdS=19.4
fwS=2.29
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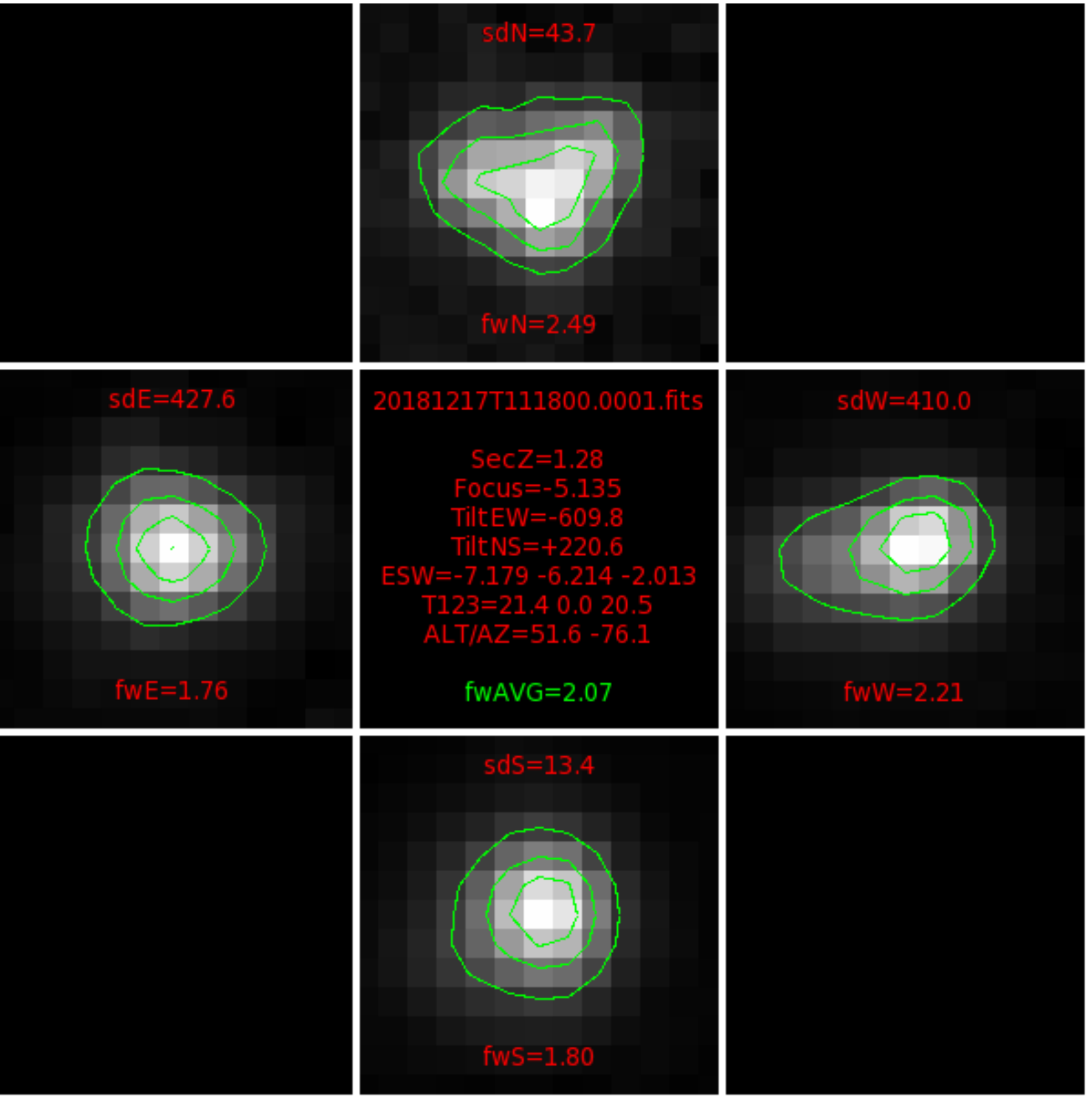
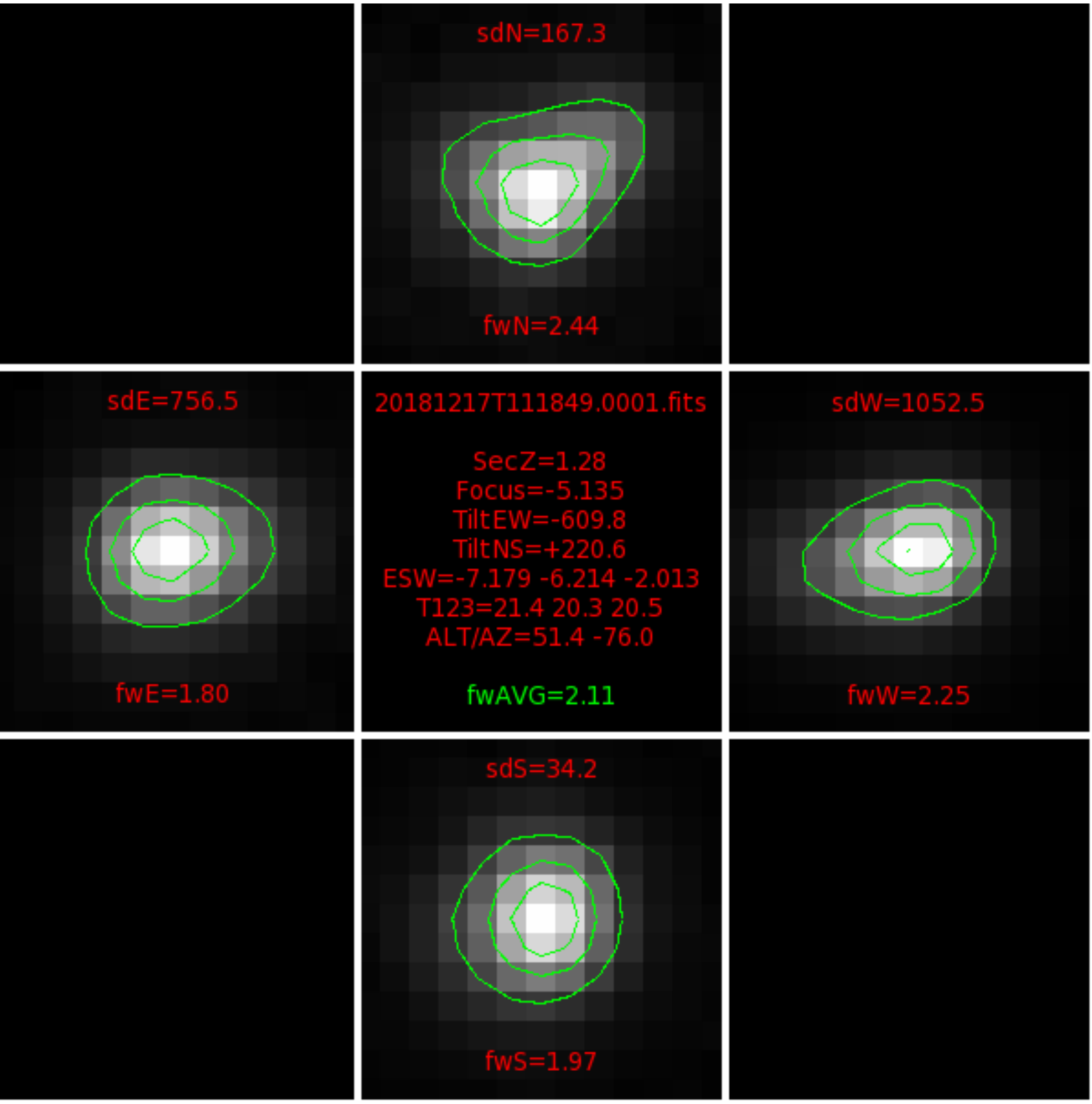

sdN=43.7
fwN=2.49
sdE=427.6
fwE=1.76
20181217T111800.0001.fits
SecZ=1.28
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.4 0.0 20.5
ALT/AZ=51.6 -76.1
fwAVG=2.07
sdW=410.0
fwW=2.21
sdS=13.4
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=167.3
fwN=2.44
sdE=756.5
fwE=1.80
20181217T111849.0001.fits
SecZ=1.28
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.4 20.3 20.5
ALT/AZ=51.4 -76.0
fwAVG=2.11
sdW=1052.5
fwW=2.25
sdS=34.2
fwS=1.97
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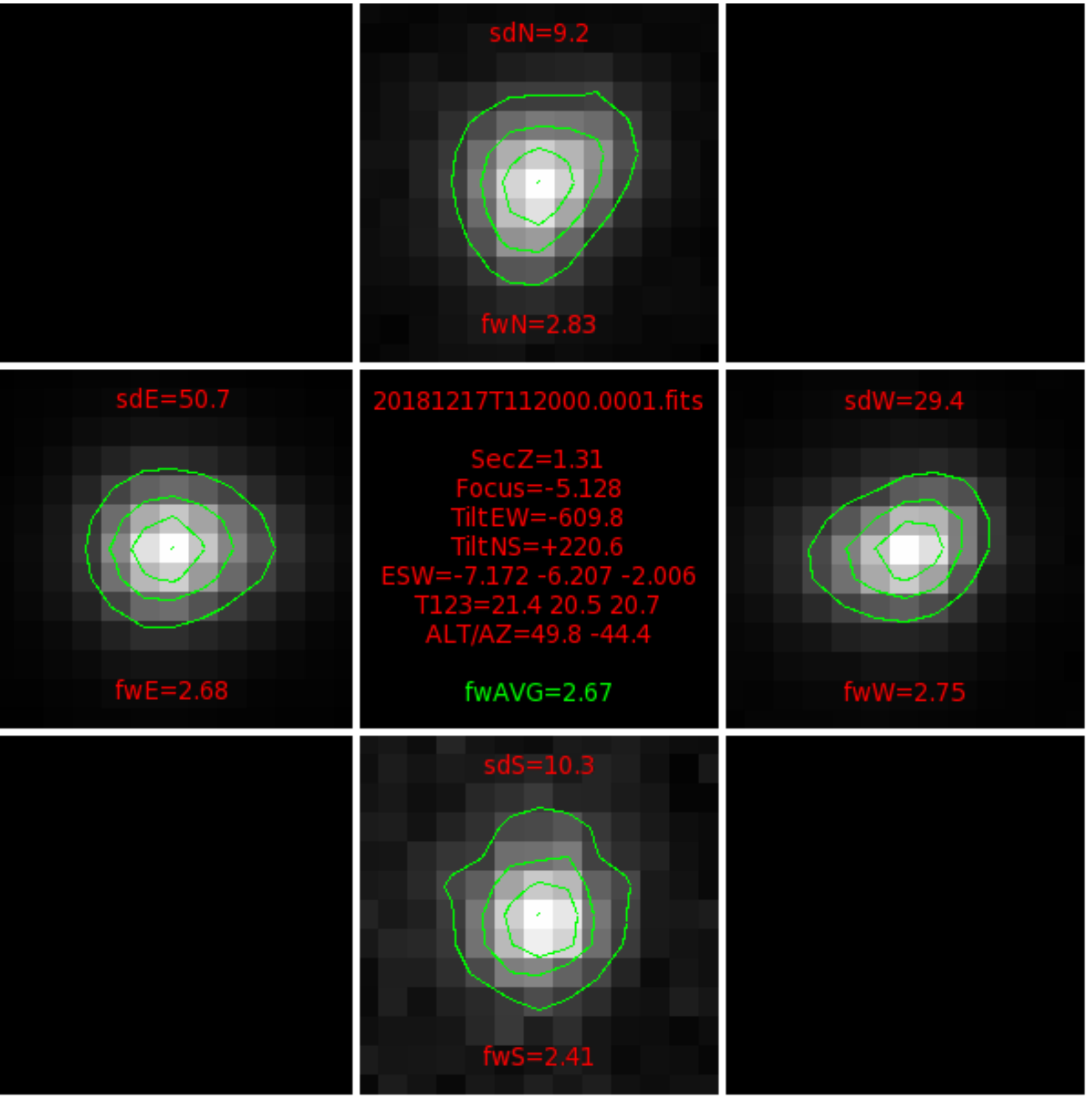
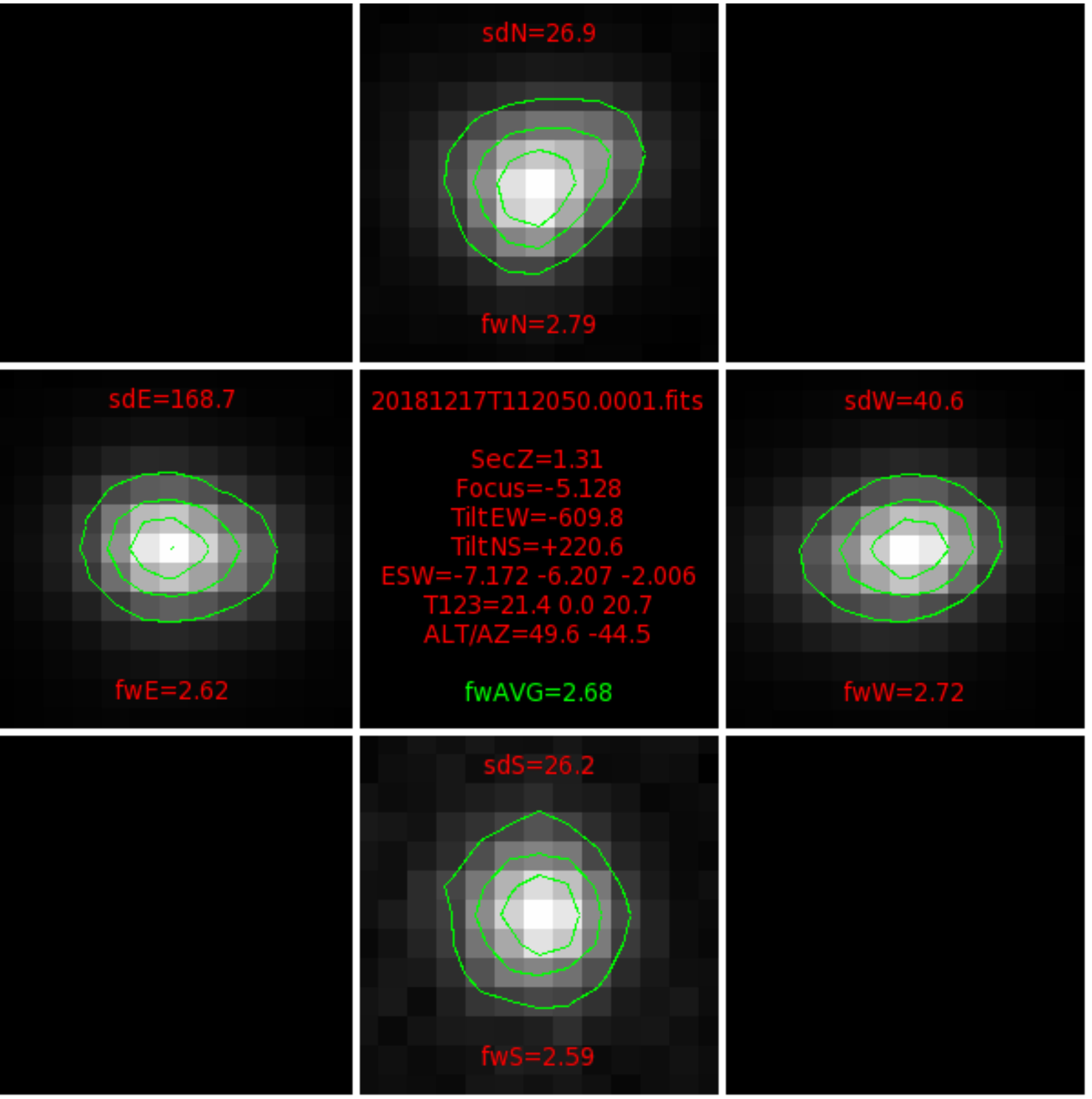

sdN=9.2
fwN=2.83
sdE=50.7
fwE=2.68
20181217T112000.0001.fits
SecZ=1.31
Focus=-5.128
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.172 -6.207 -2.006
T123=21.4 20.5 20.7
ALT/AZ=49.8 -44.4
fwAVG=2.67
sdW=29.4
fwW=2.75
sdS=10.3
fwS=2.41
0 0 0 0 0 0 0 0 0


sdN=26.9
fwN=2.79
sdE=168.7
fwE=2.62
20181217T112050.0001.fits
SecZ=1.31
Focus=-5.128
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.172 -6.207 -2.006
T123=21.4 0.0 20.7
ALT/AZ=49.6 -44.5
fwAVG=2.68
sdW=40.6
fwW=2.72
sdS=26.2
fwS=2.59
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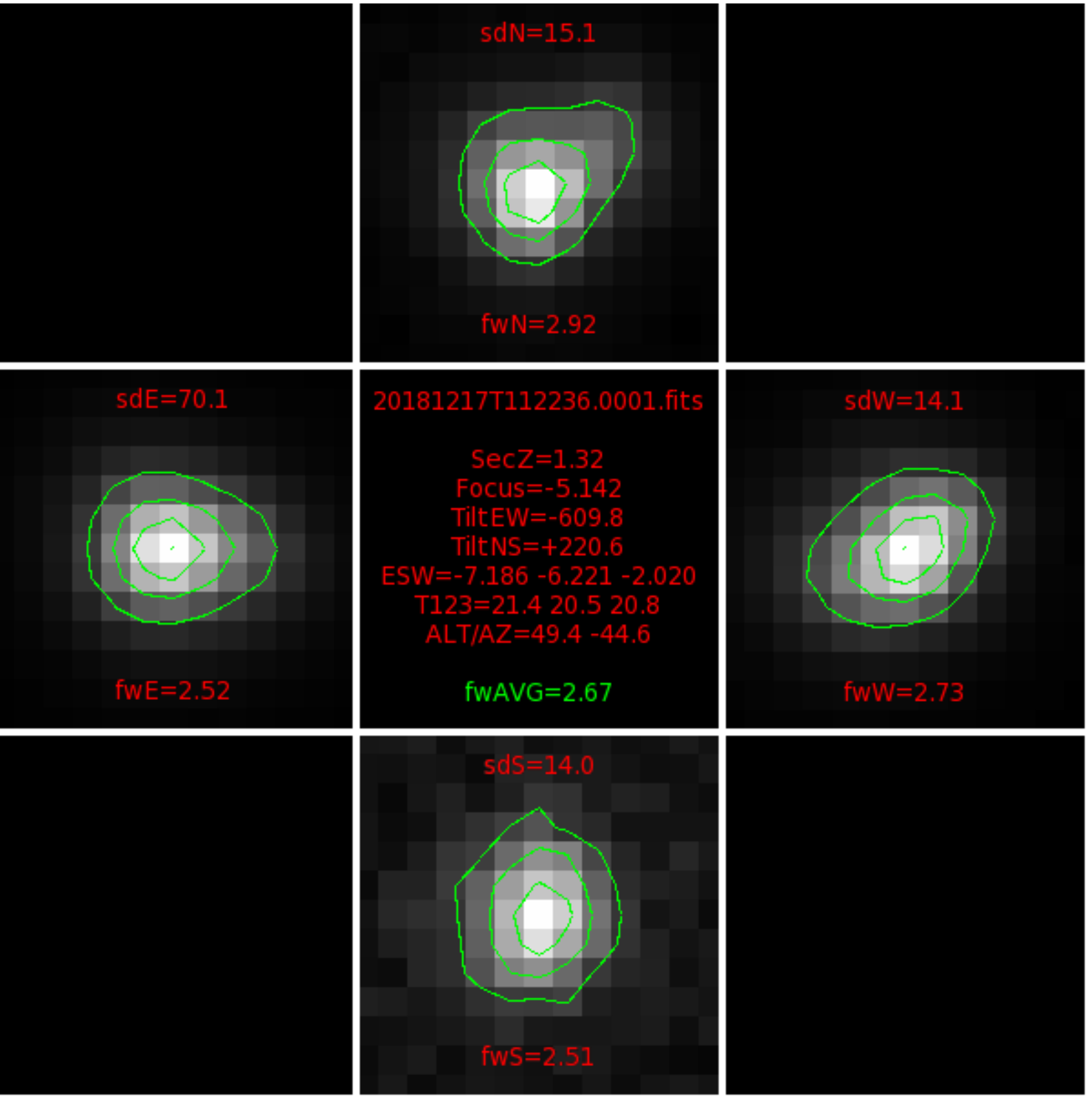
sdN=15.1
fwN=2.92
sdE=70.1
fwE=2.52
20181217T112236.0001.fits
SecZ=1.32
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.4 20.5 20.8
ALT/AZ=49.4 -44.6
fwAVG=2.67
sdW=14.1
fwW=2.73
sdS=14.0
fwS=2.51
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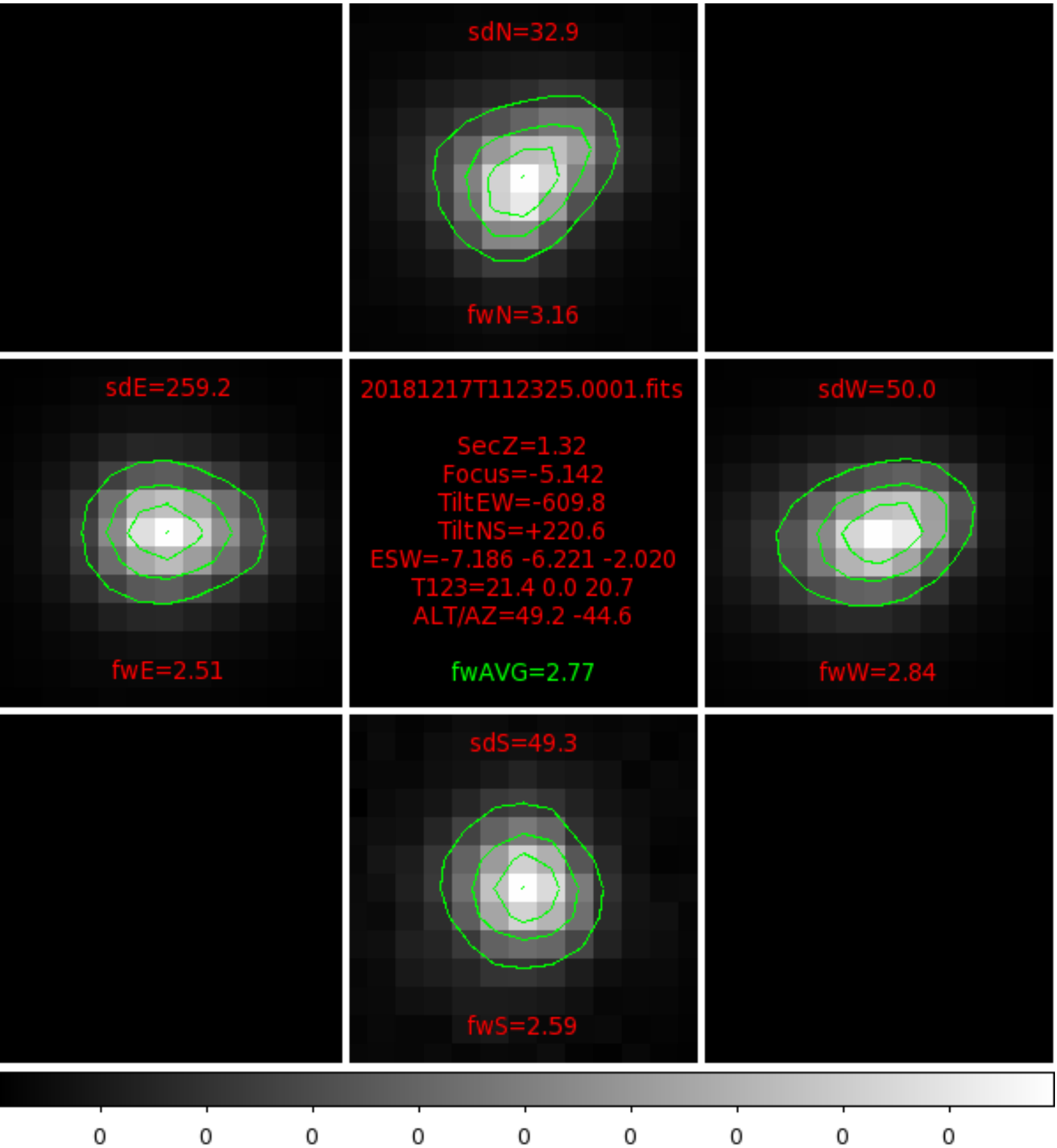
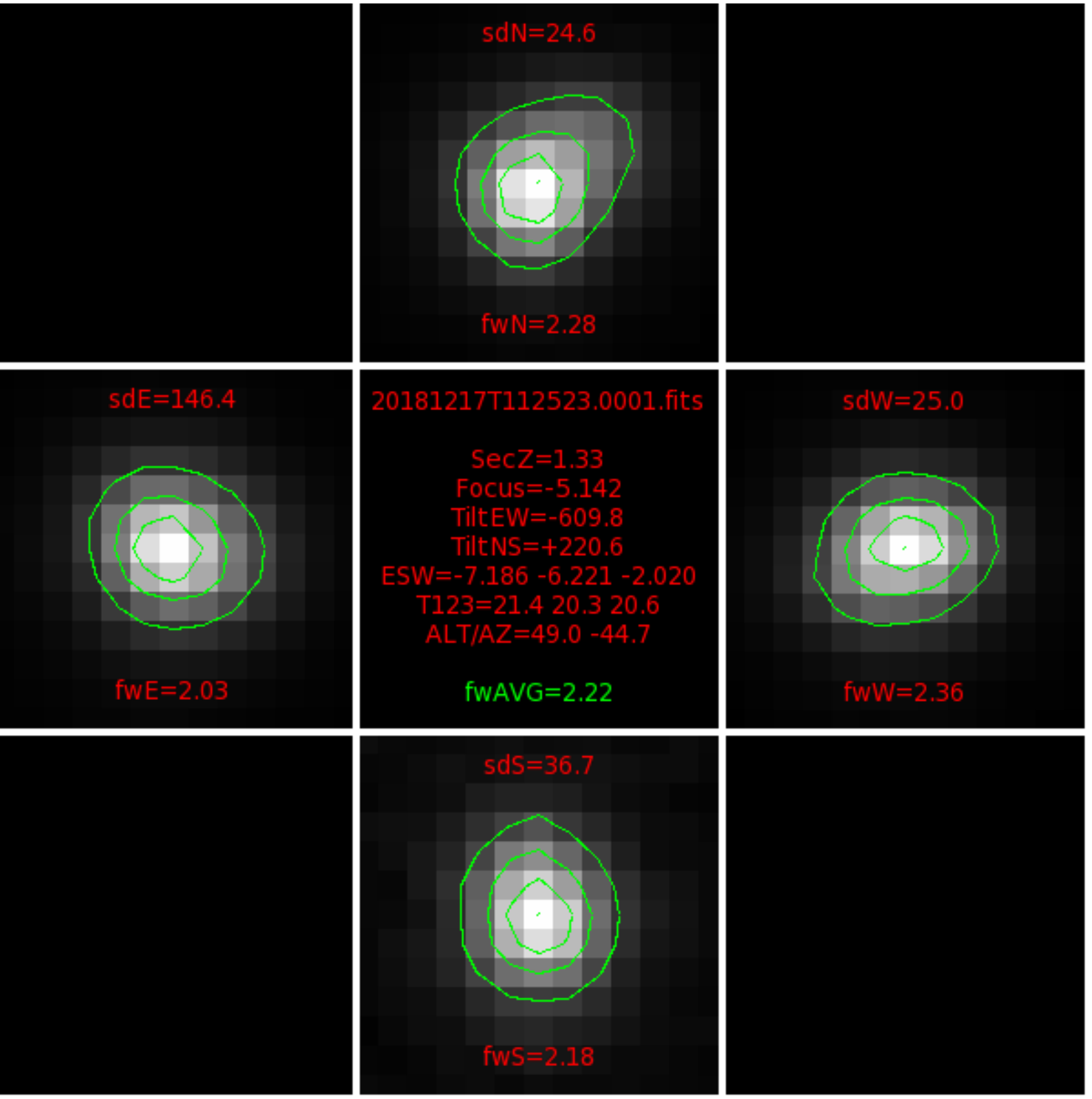
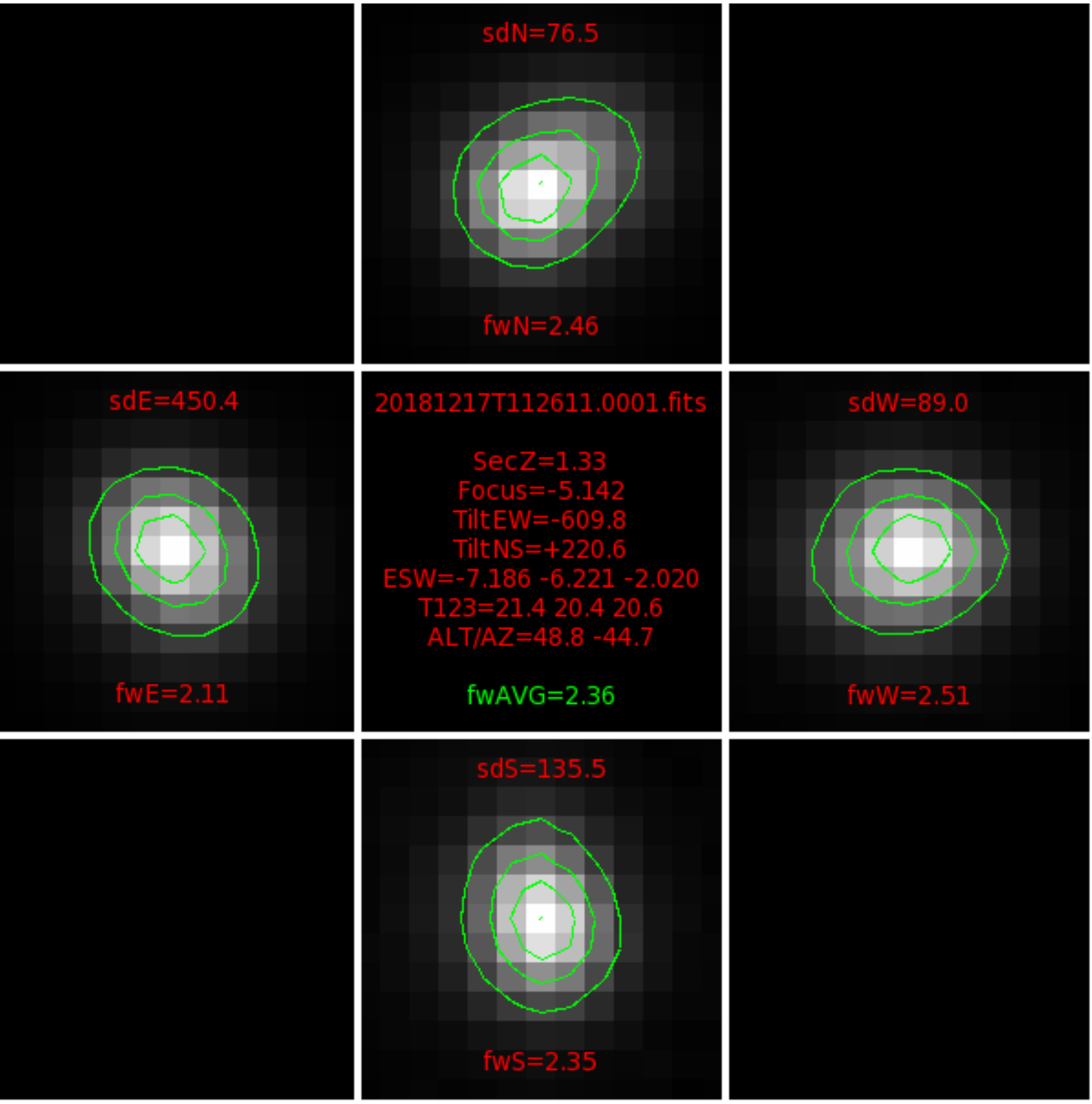

sdN=32.9
fwN=3.16
sdE=259.2
fwE=2.51
20181217T112325.0001.fits
SecZ=1.32
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.4 0.0 20.7
ALT/AZ=49.2 -44.6
fwAVG=2.77
sdW=50.0
fwW=2.84
sdS=49.3
fwS=2.59
0 0 0 0 0 0 0 0 0


sdN=24.6
fwN=2.28
sdE=146.4
fwE=2.03
20181217T112523.0001.fits
SecZ=1.33
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.4 20.3 20.6
ALT/AZ=49.0 -44.7
fwAVG=2.22
sdW=25.0
fwW=2.36
sdS=36.7
fwS=2.18
0 0 0 0 0 0 0 0 0


sdN=76.5
fwN=2.46
sdE=450.4
fwE=2.11
20181217T112611.0001.fits
SecZ=1.33
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.4 20.4 20.6
ALT/AZ=48.8 -44.7
fwAVG=2.36
sdW=89.0
fwW=2.51
sdS=135.5
fwS=2.35
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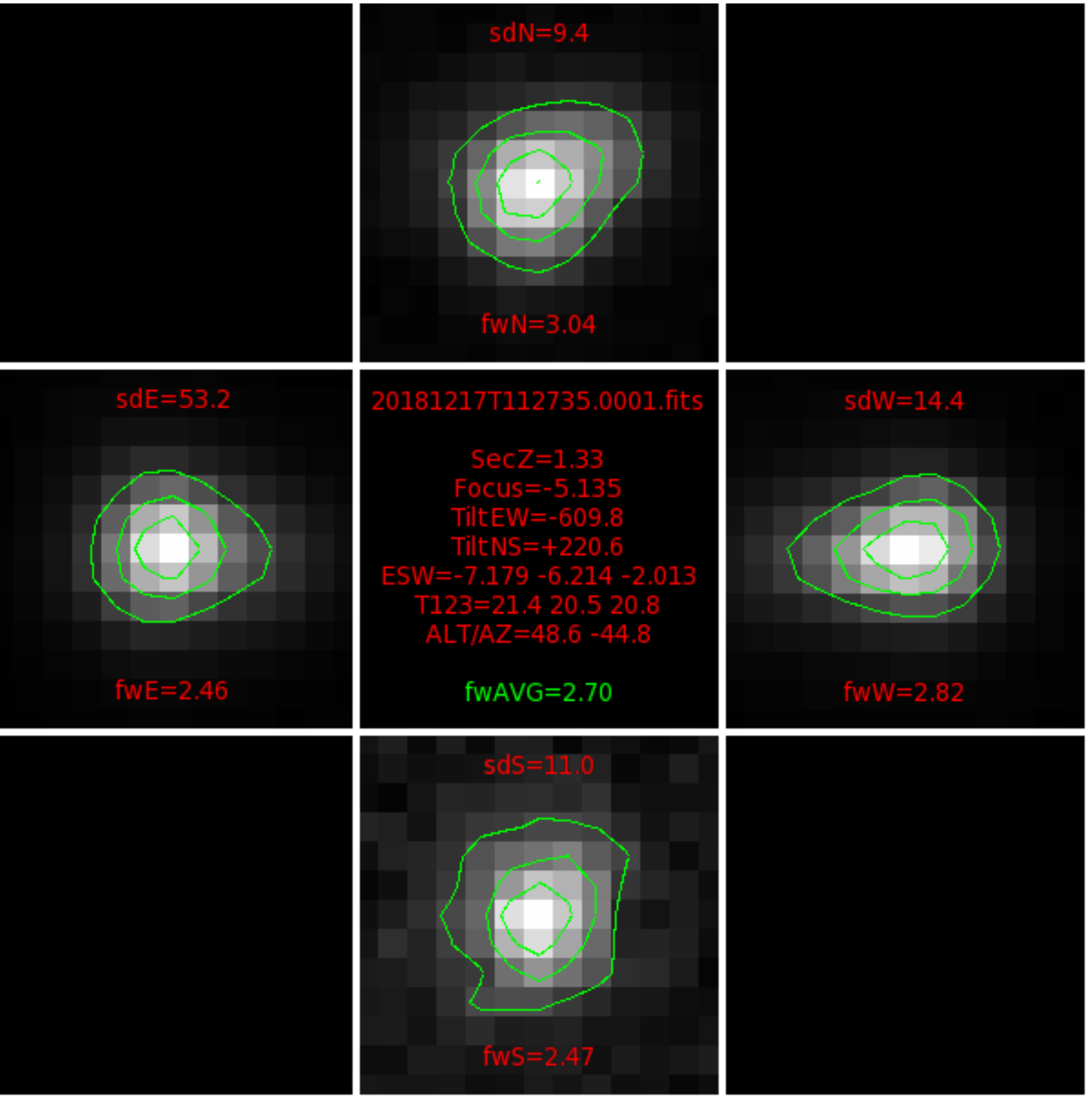
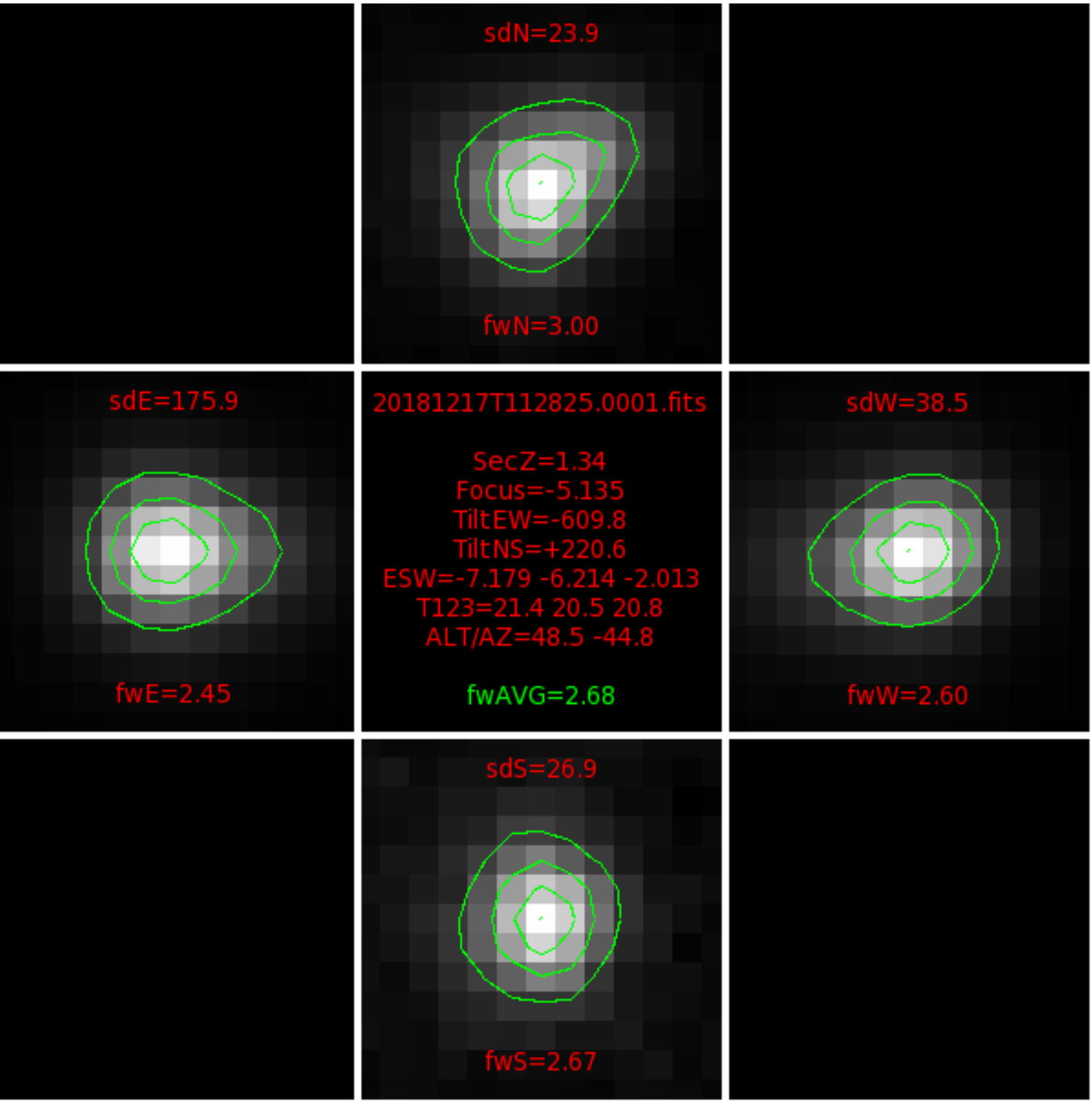

sdN=9.4
fwN=3.04
sdE=53.2
fwE=2.46
20181217T112735.0001.fits
SecZ=1.33
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.4 20.5 20.8
ALT/AZ=48.6 -44.8
fwAVG=2.70
sdW=14.4
fwW=2.82
sdS=11.0
fwS=2.47
0 0 0 0 0 0 0 0 0


sdN=23.9
fwN=3.00
sdE=175.9
fwE=2.45
20181217T112825.0001.fits
SecZ=1.34
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.4 20.5 20.8
ALT/AZ=48.5 -44.8
fwAVG=2.68
sdW=38.5
fwW=2.60
sdS=26.9
fwS=2.67
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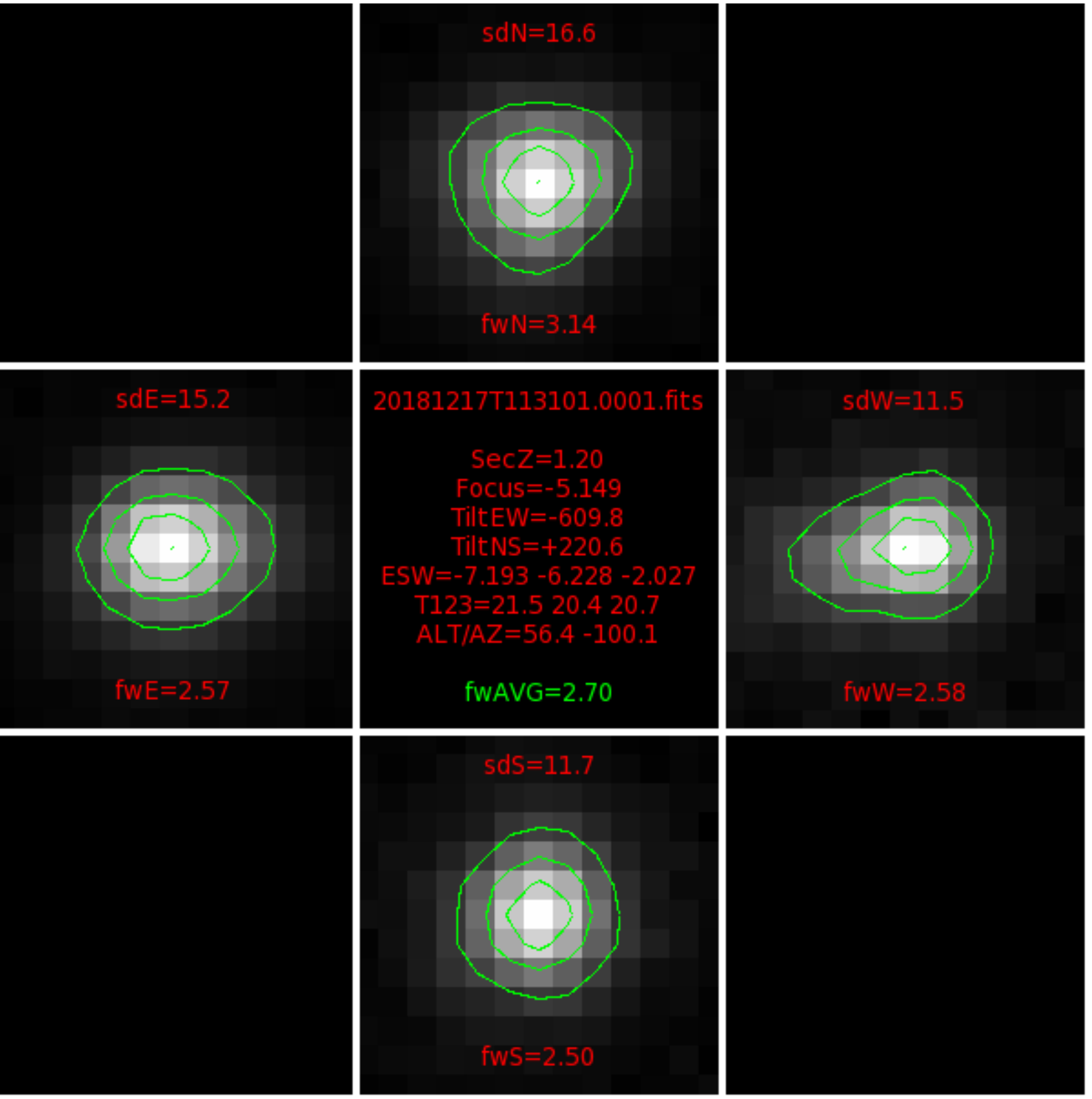
sdN=16.6
fwN=3.14
sdE=15.2
fwE=2.57
20181217T113101.0001.fits
SecZ=1.20
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.5 20.4 20.7
ALT/AZ=56.4 -100.1
fwAVG=2.70
sdW=11.5
fwW=2.58
sdS=11.7
fwS=2.50
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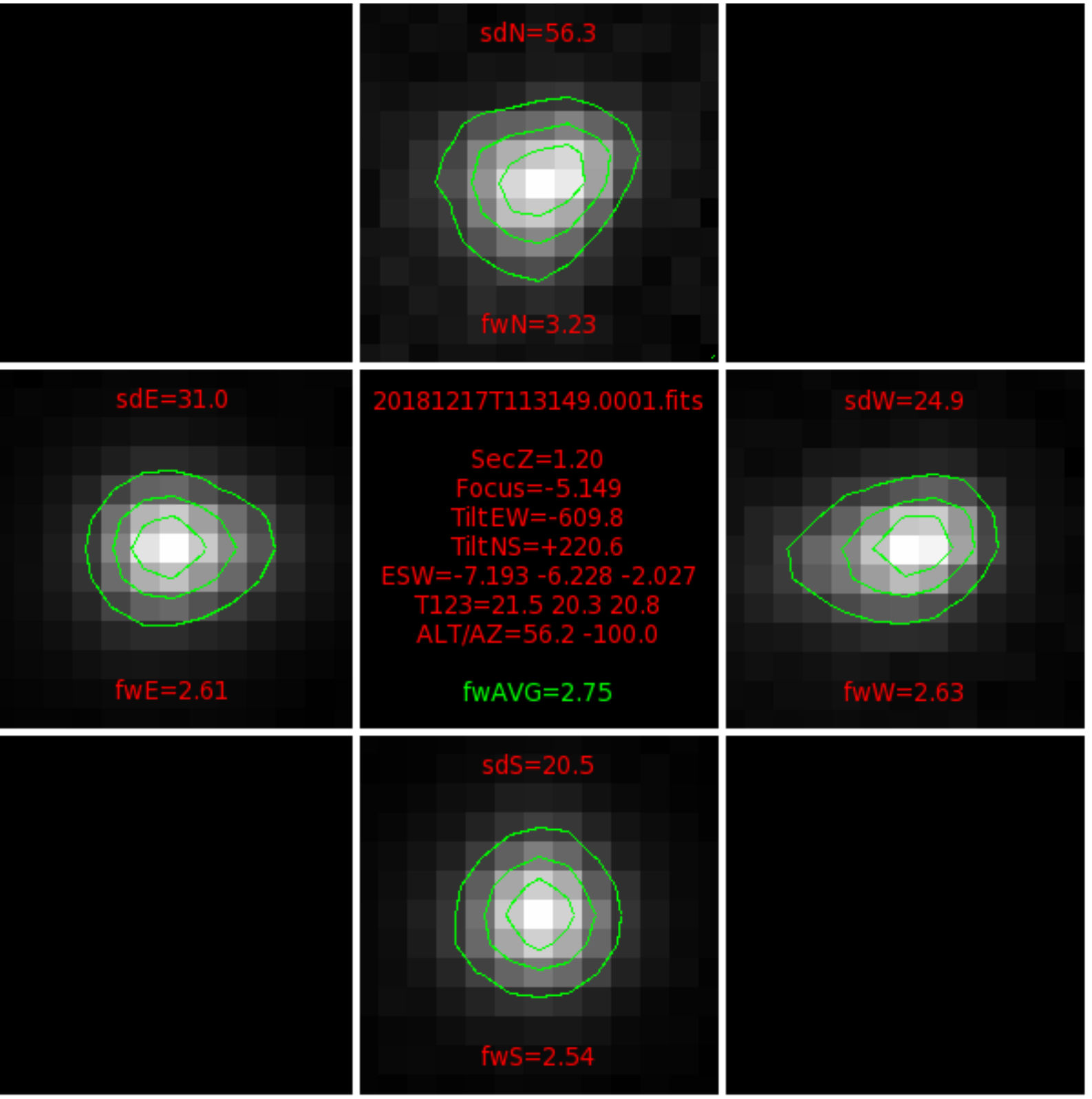
sdN=56.3
fwN=3.23
sdE=31.0
fwE=2.61
20181217T113149.0001.fits
SecZ=1.20
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.5 20.3 20.8
ALT/AZ=56.2 -100.0
fwAVG=2.75
sdW=24.9
fwW=2.63
sdS=20.5
fwS=2.54
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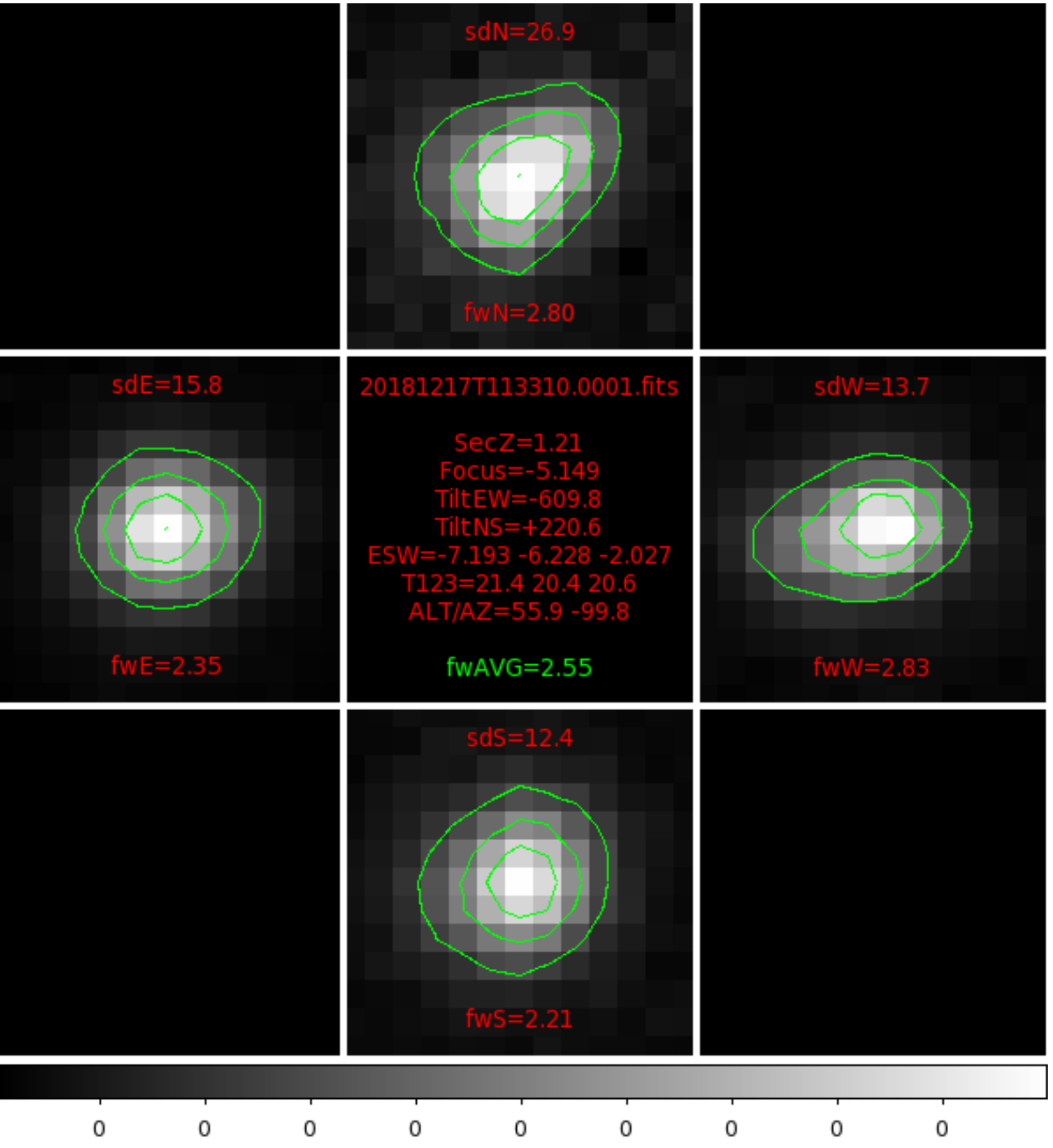
sdN=26.9
fwN=2.80
sdE=15.8
fwE=2.35
20181217T113310.0001.fits
SecZ=1.21
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.4 20.4 20.6
ALT/AZ=55.9 -99.8
fwAVG=2.55
sdW=13.7
fwW=2.83
sdS=12.4
fwS=2.21
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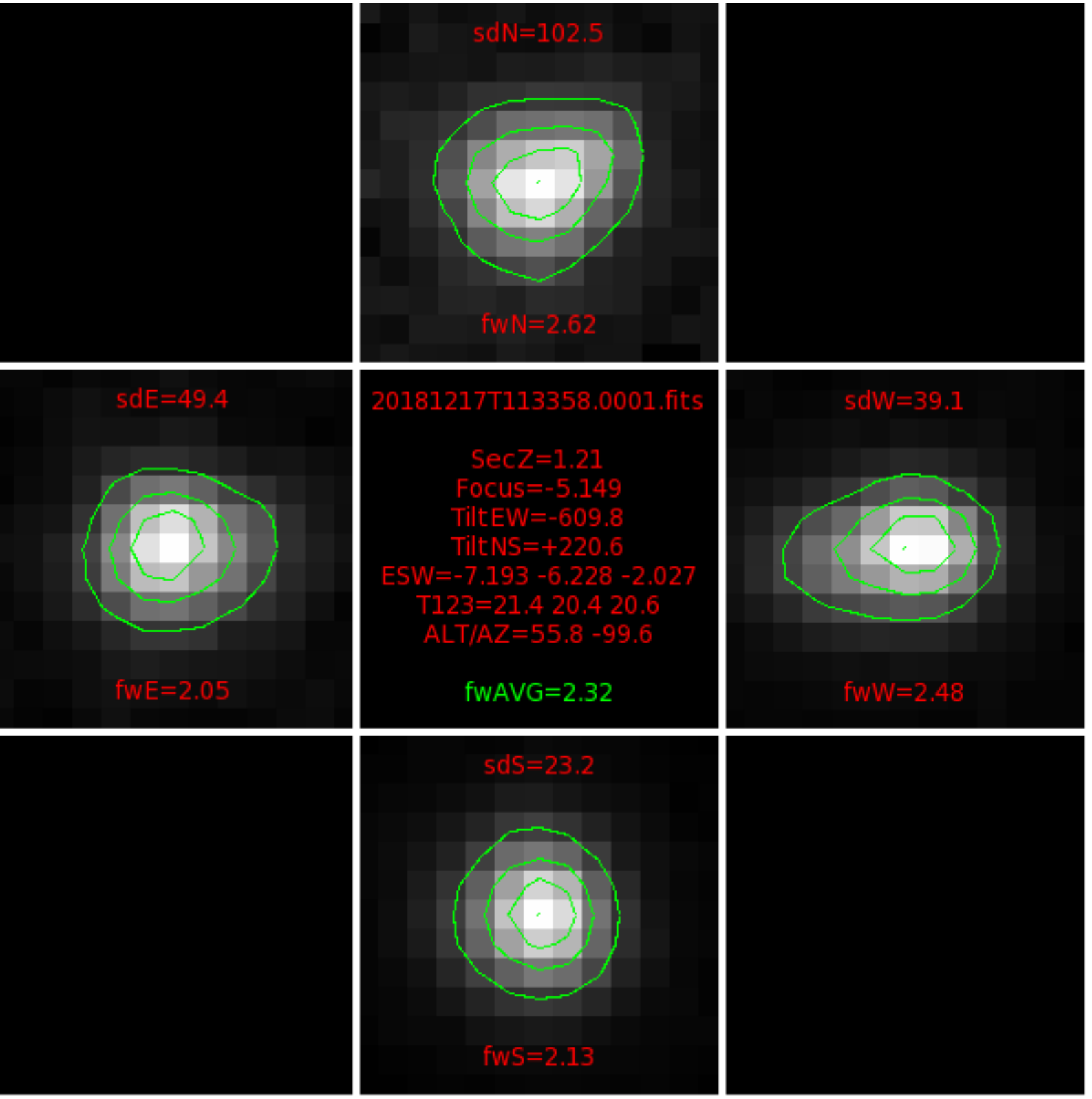
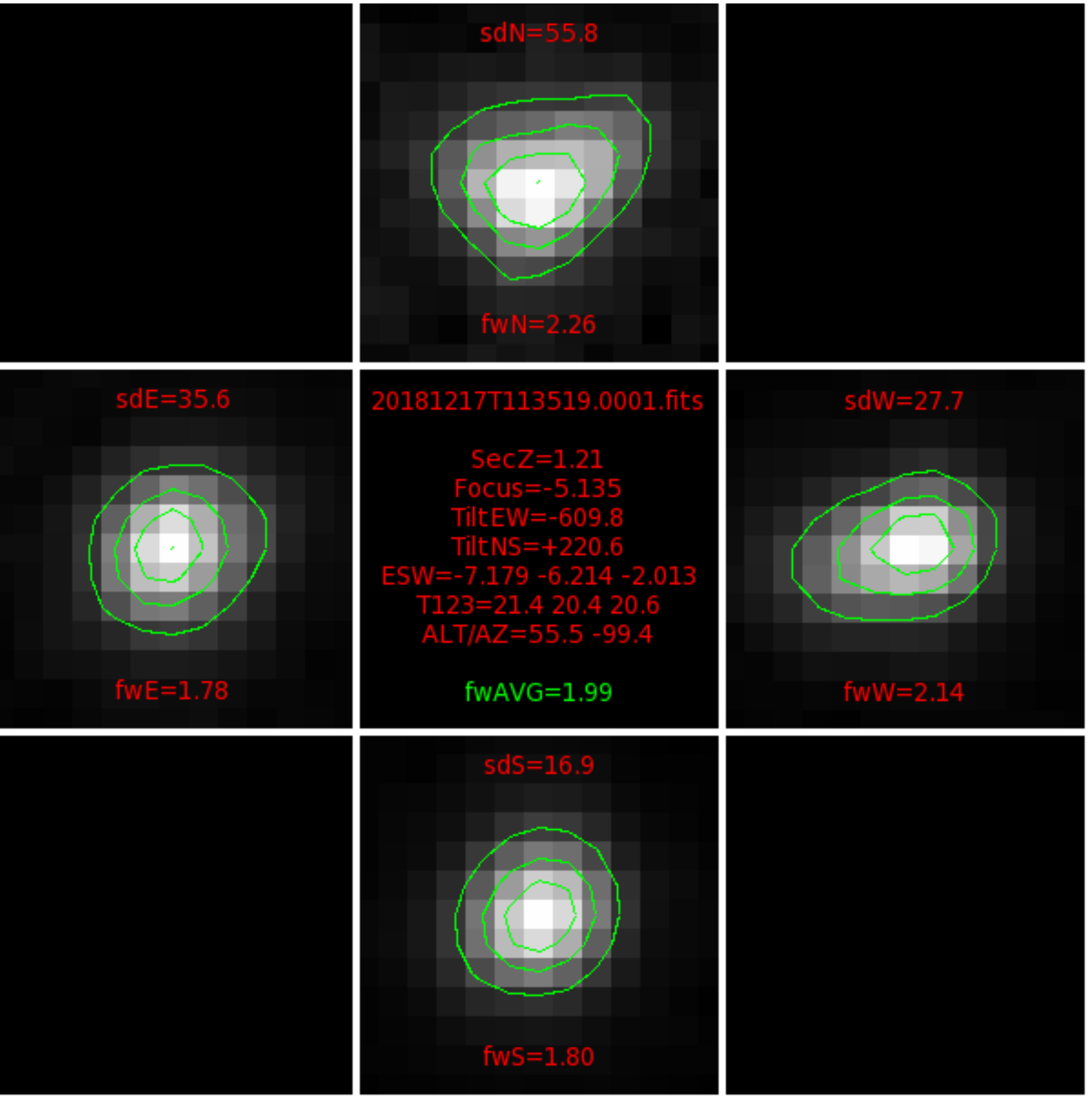

sdN=102.5
fwN=2.62
sdE=49.4
fwE=2.05
20181217T113358.0001.fits
SecZ=1.21
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.4 20.4 20.6
ALT/AZ=55.8 -99.6
fwAVG=2.32
sdW=39.1
fwW=2.48
sdS=23.2
fwS=2.13
0 0 0 0 0 0 0 0 0


sdN=55.8
fwN=2.26
sdE=35.6
fwE=1.78
20181217T113519.0001.fits
SecZ=1.21
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.4 20.4 20.6
ALT/AZ=55.5 -99.4
fwAVG=1.99
sdW=27.7
fwW=2.14
sdS=16.9
fwS=1.80
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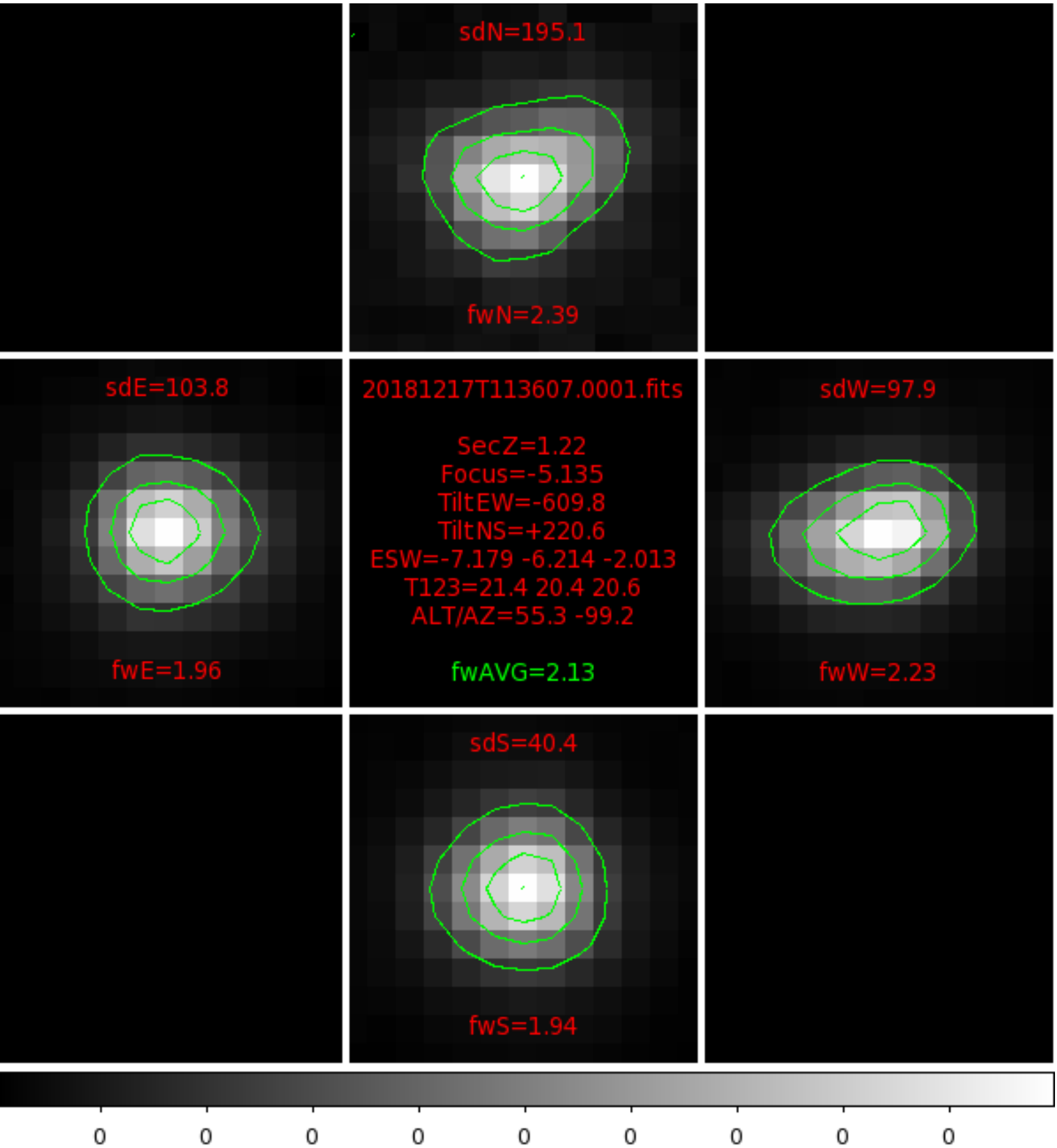
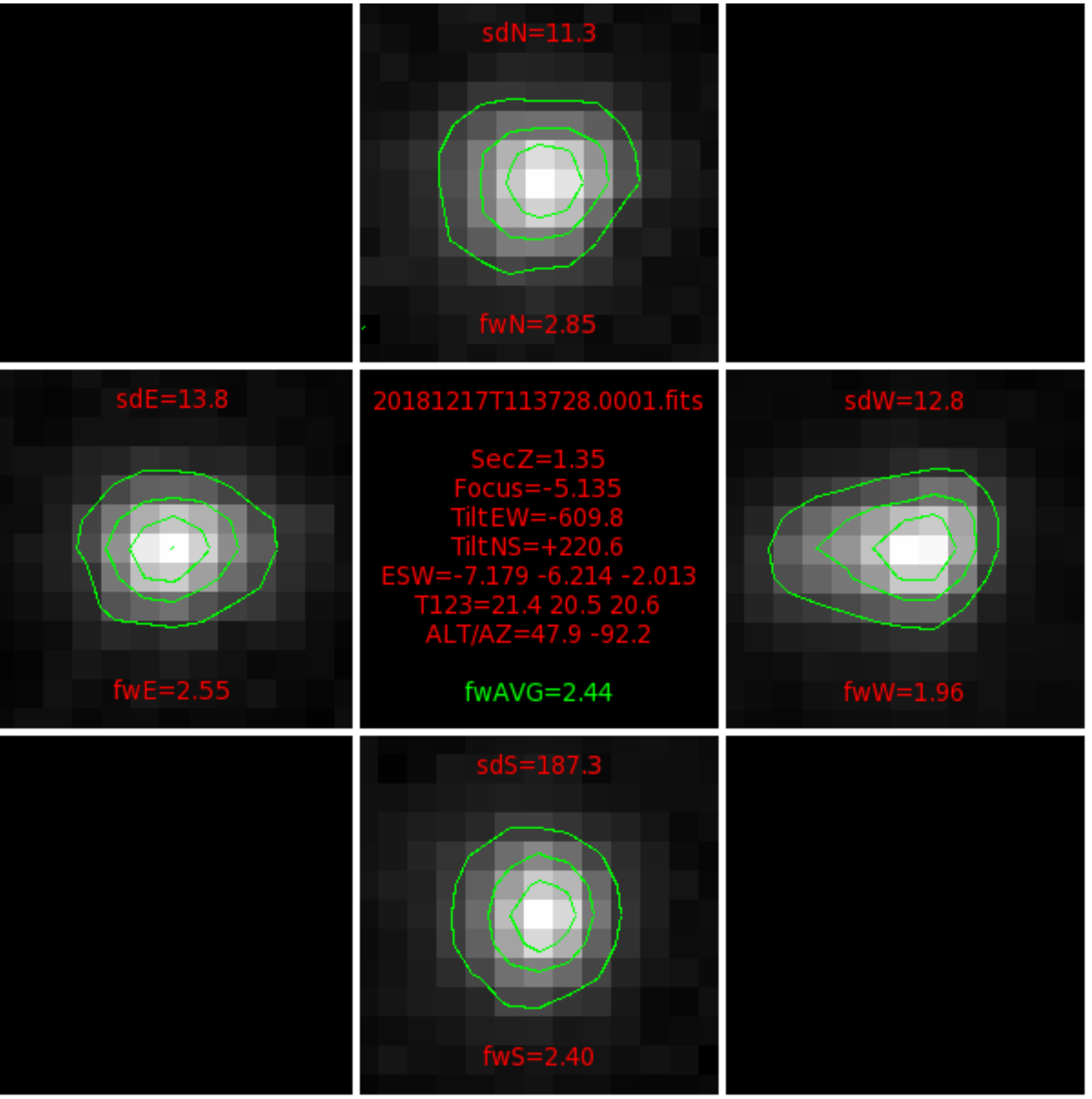
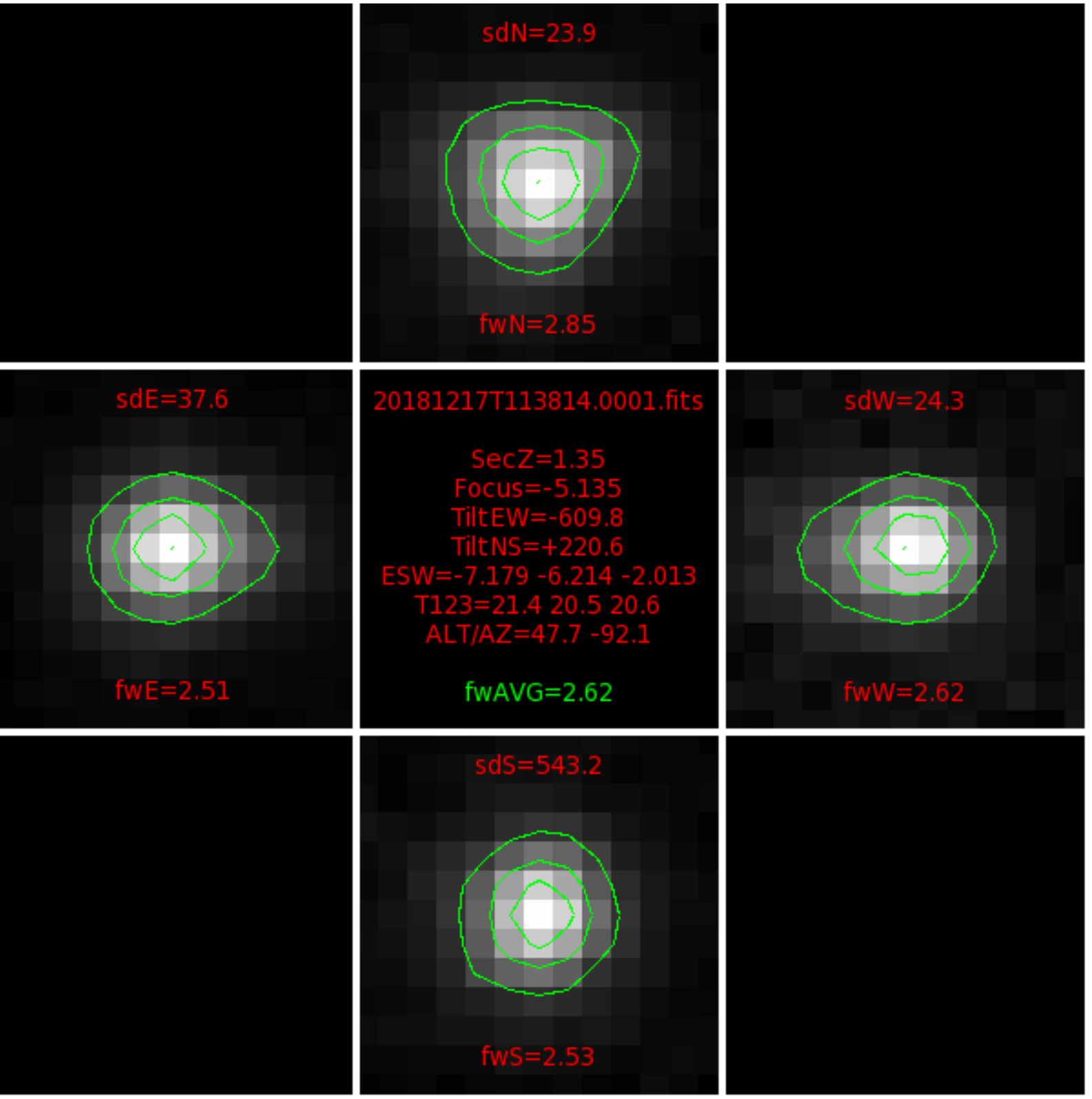

sdN=195.1
fwN=2.39
sdE=103.8
fwE=1.96
20181217T113607.0001.fits
SecZ=1.22
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.4 20.4 20.6
ALT/AZ=55.3 -99.2
fwAVG=2.13
sdW=97.9
fwW=2.23
sdS=40.4
fwS=1.94
0 0 0 0 0 0 0 0 0


sdN=11.3
fwN=2.85
sdE=13.8
fwE=2.55
20181217T113728.0001.fits
SecZ=1.35
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.4 20.5 20.6
ALT/AZ=47.9 -92.2
fwAVG=2.44
sdW=12.8
fwW=1.96
sdS=187.3
fwS=2.40
0 0 0 0 0 0 0 0 0


sdN=23.9
fwN=2.85
sdE=37.6
fwE=2.51
20181217T113814.0001.fits
SecZ=1.35
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.4 20.5 20.6
ALT/AZ=47.7 -92.1
fwAVG=2.62
sdW=24.3
fwW=2.62
sdS=543.2
fwS=2.53
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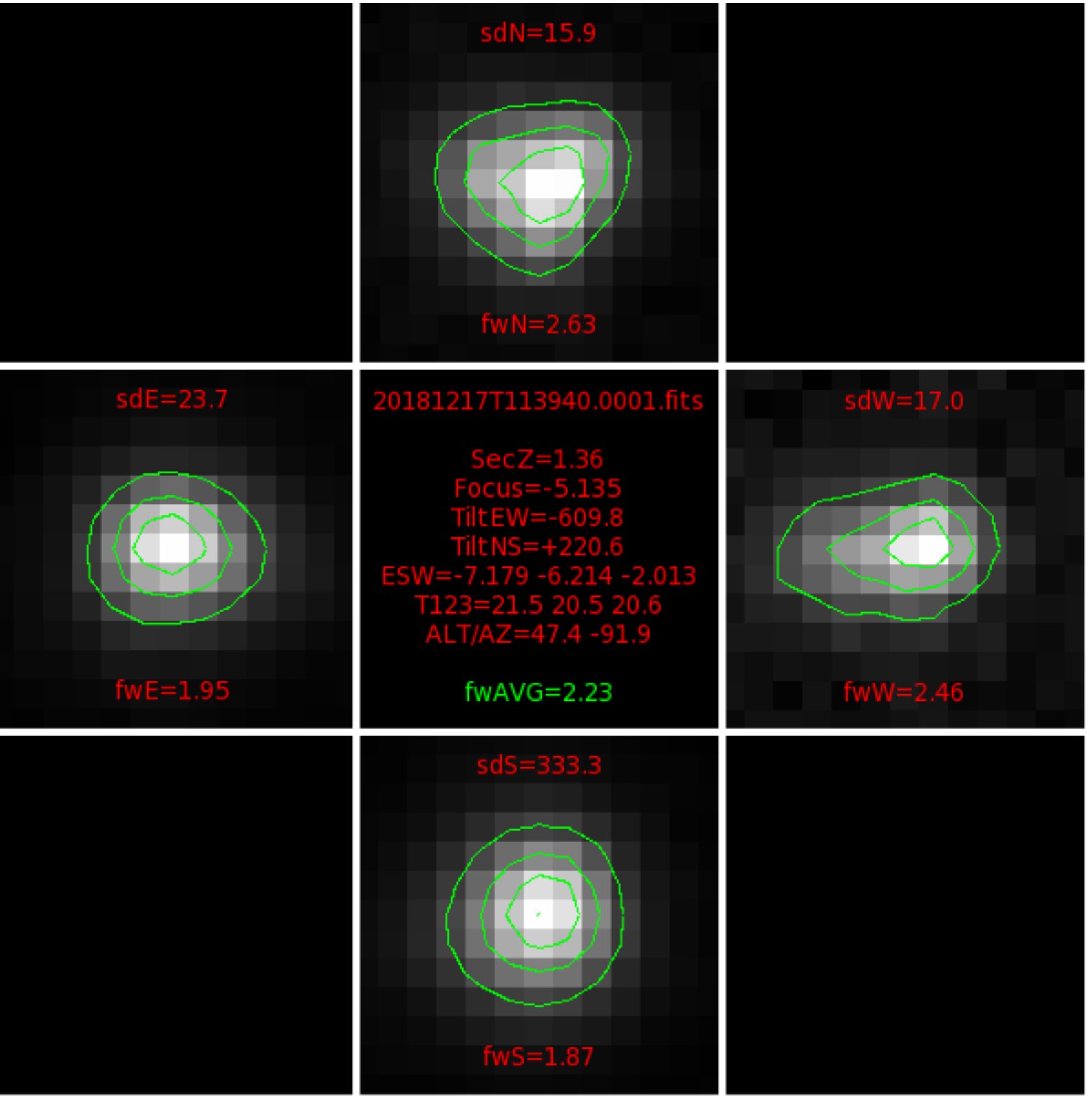
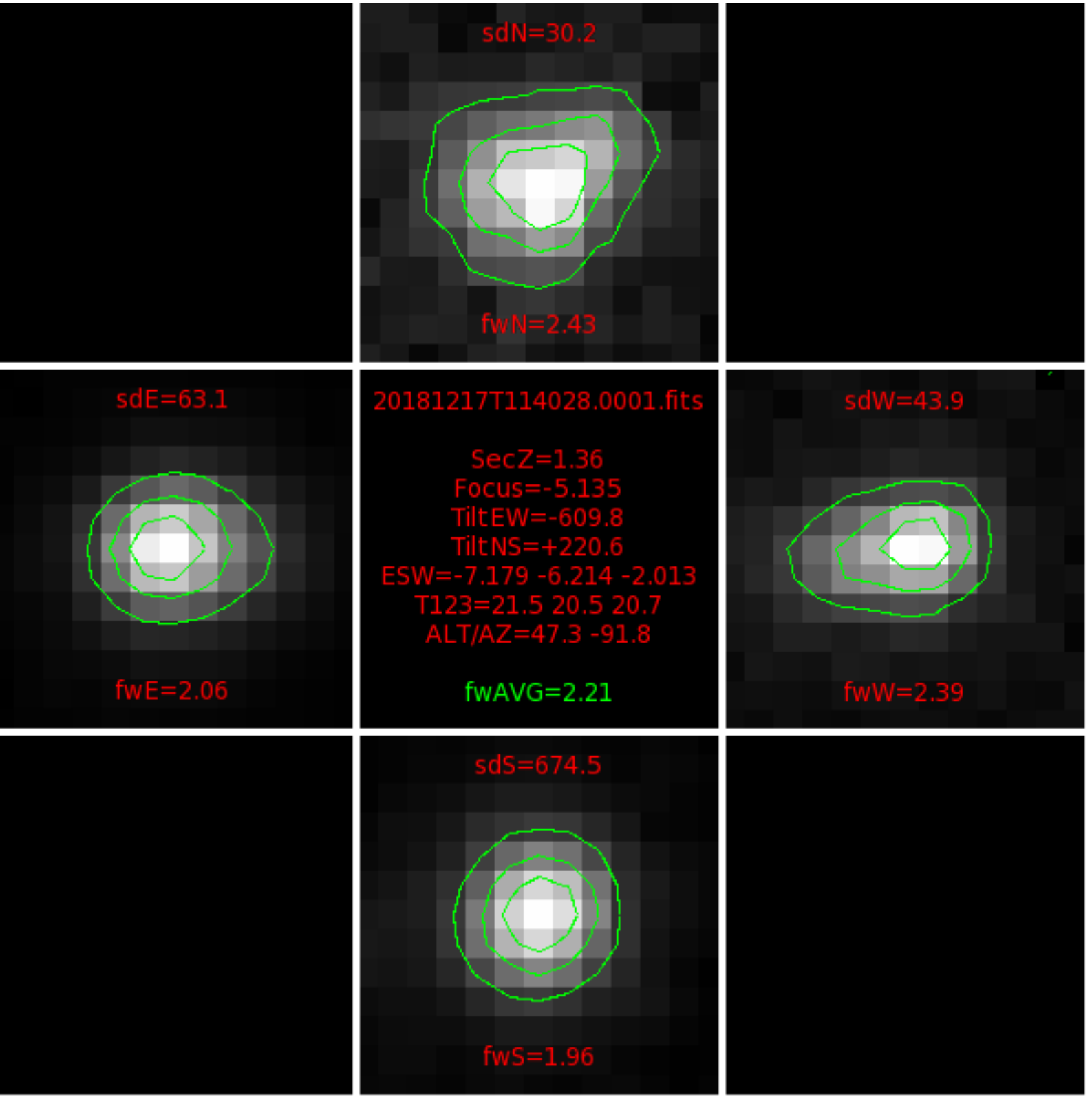
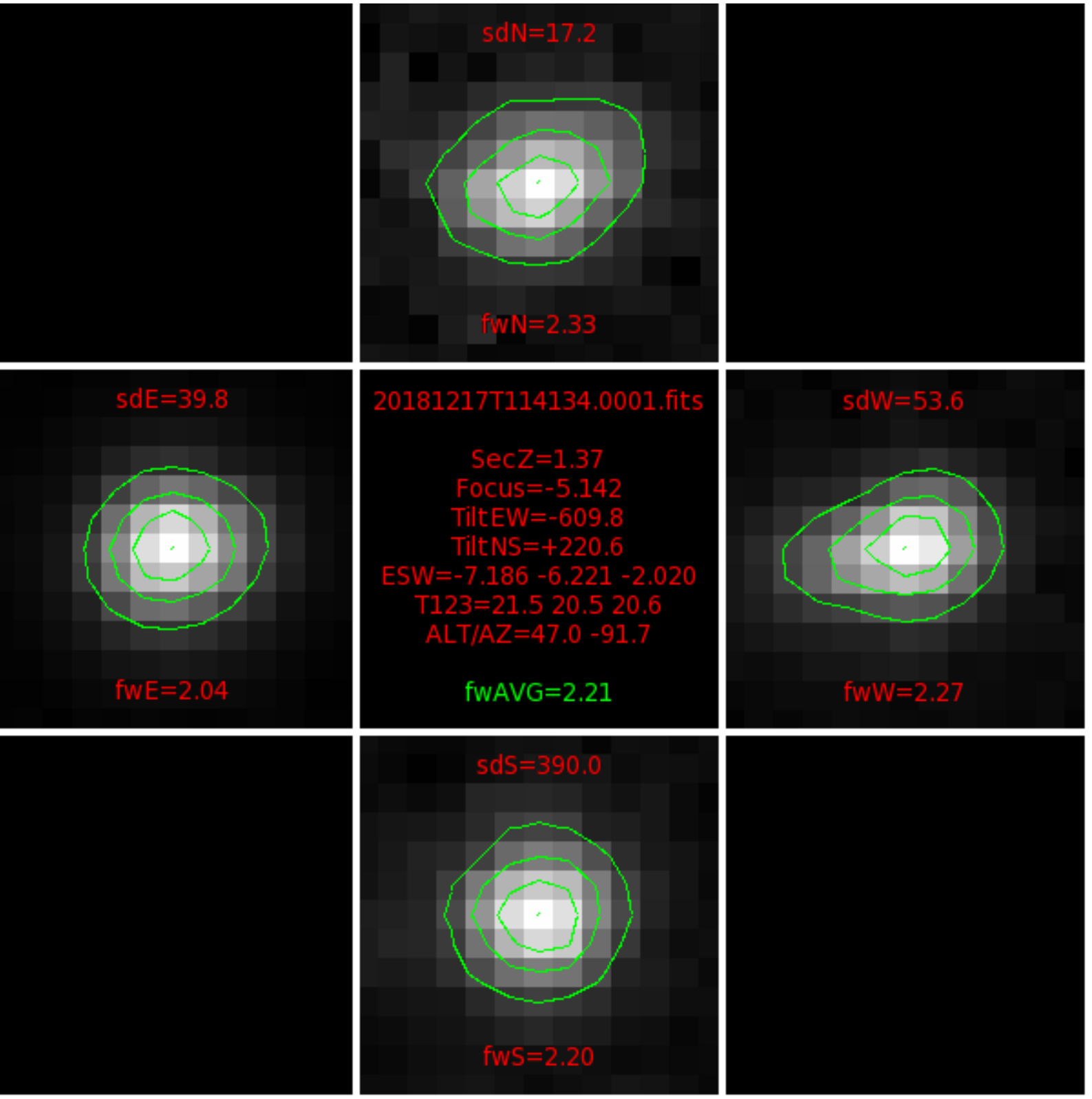
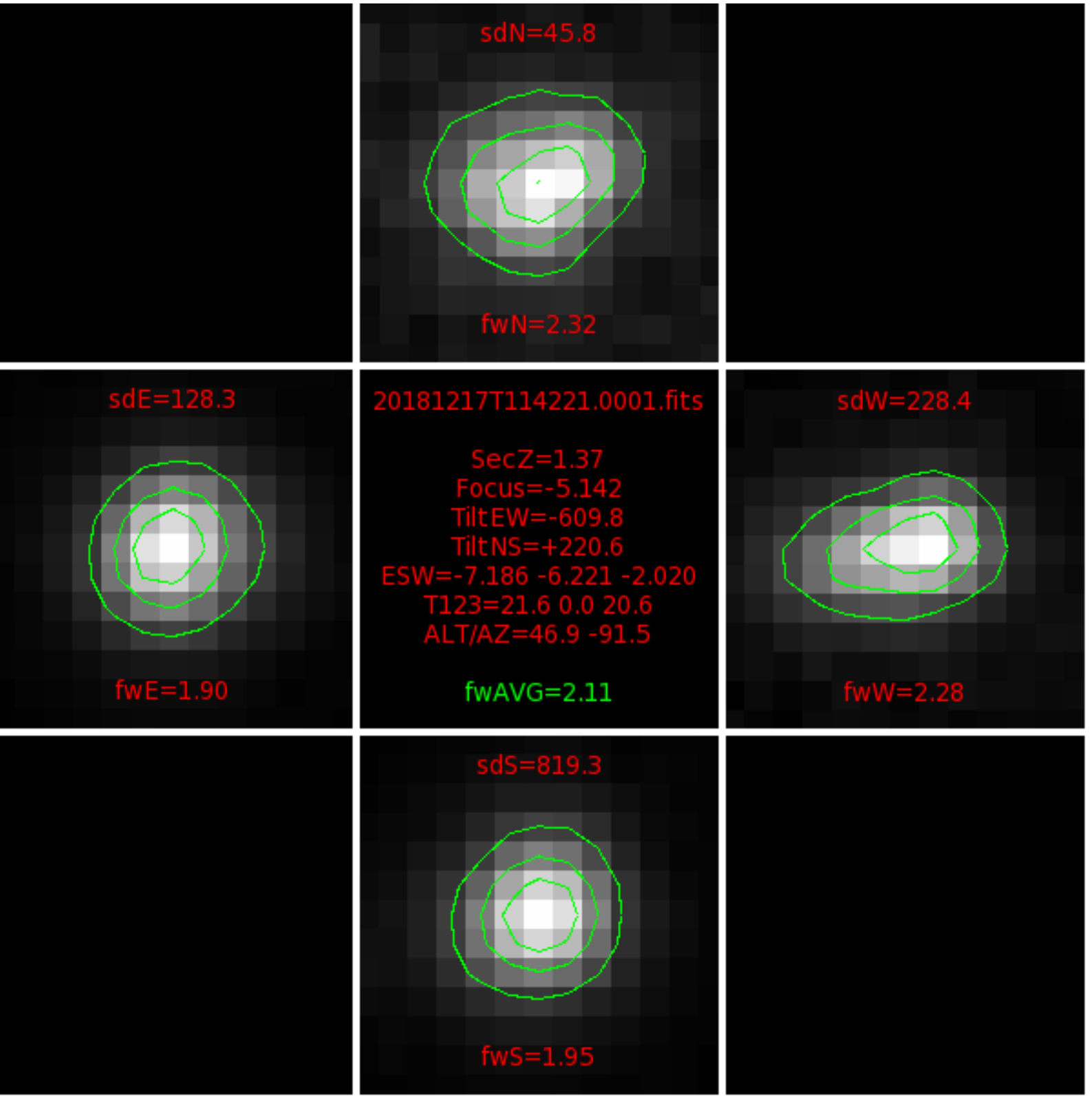
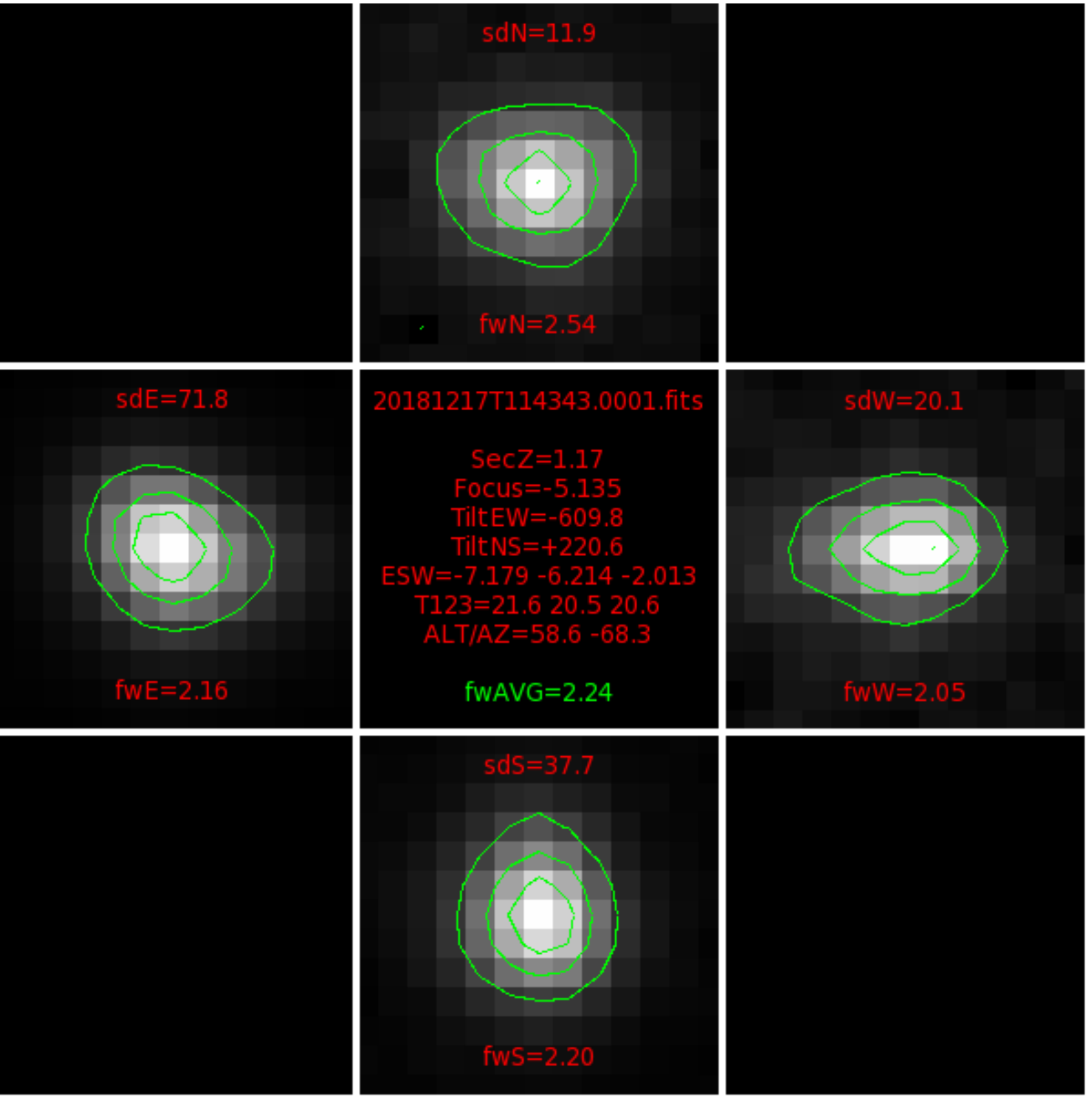
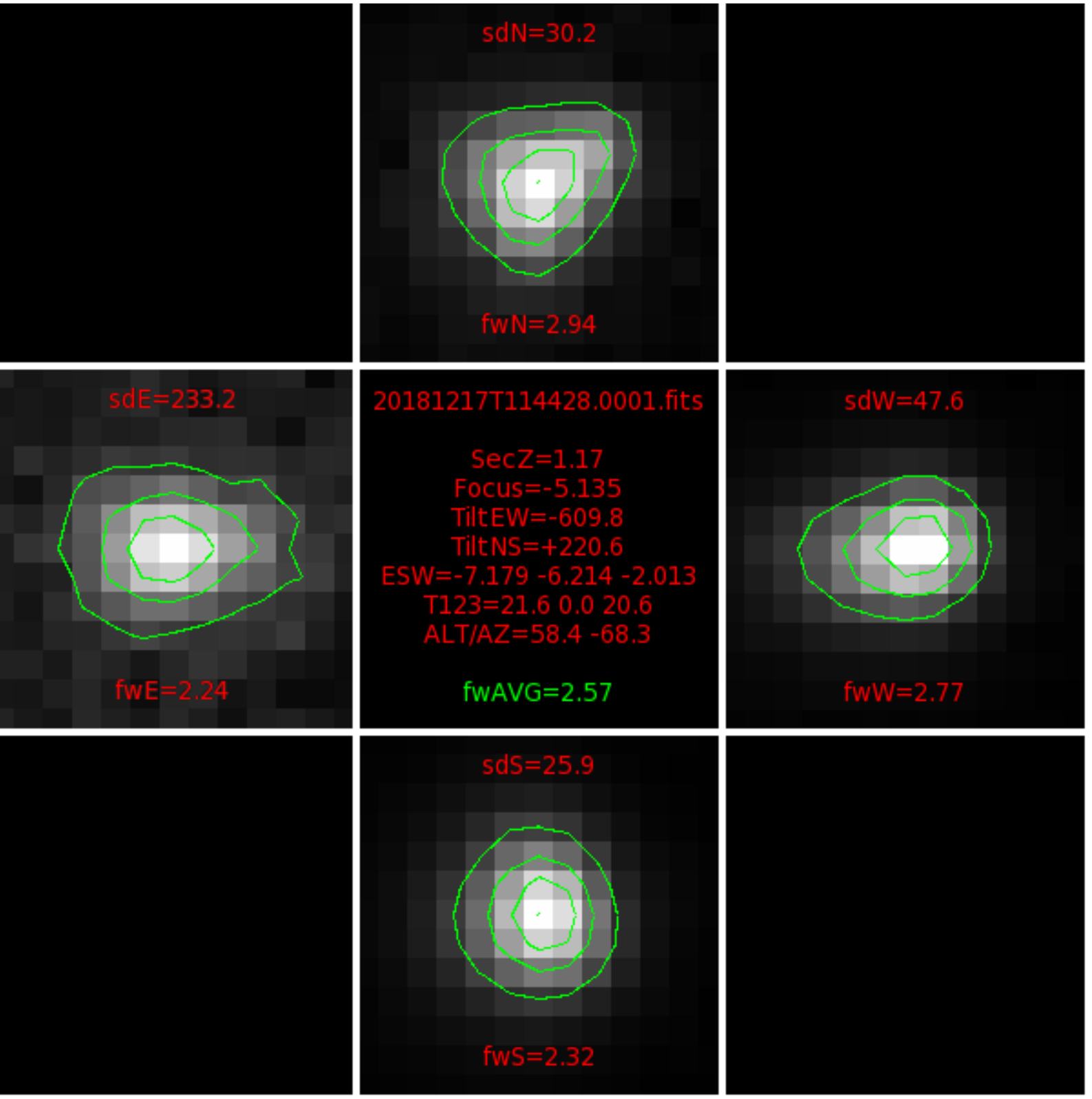

sdN=15.9
fwN=2.63
sdE=23.7
fwE=1.95
20181217T113940.0001.fits
SecZ=1.36
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.5 20.5 20.6
ALT/AZ=47.4 -91.9
fwAVG=2.23
sdW=17.0
fwW=2.46
sdS=333.3
fwS=1.87
0 0 0 0 0 0 0 0 0

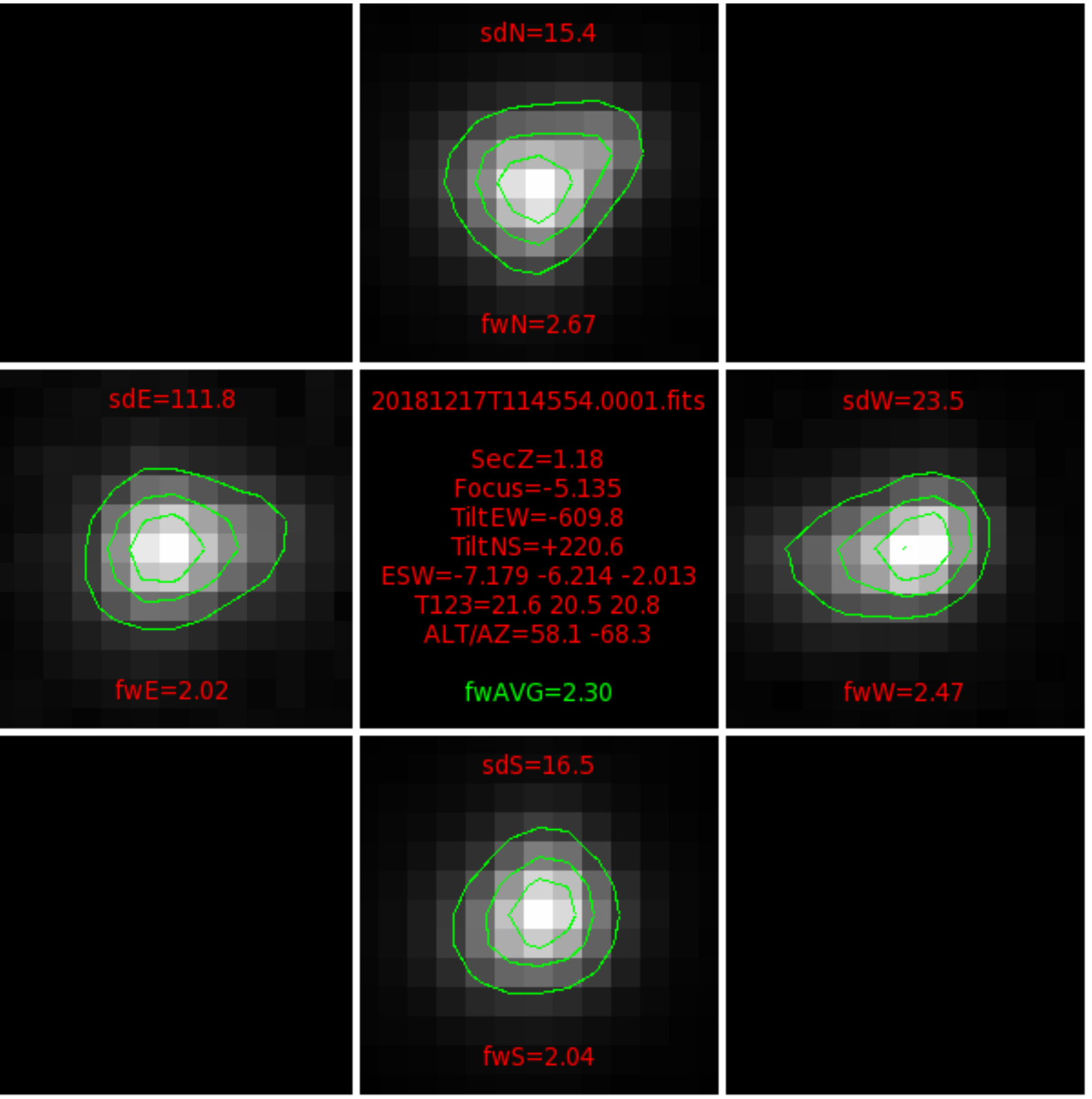

sdN=30.2
fwN=2.43
sdE=63.1
fwE=2.06
20181217T114028.0001.fits
SecZ=1.36
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.5 20.5 20.7
ALT/AZ=47.3 -91.8
fwAVG=2.21
sdW=43.9
fwW=2.39
sdS=674.5
fwS=1.96
0 0 0 0 0 0 0 0 0

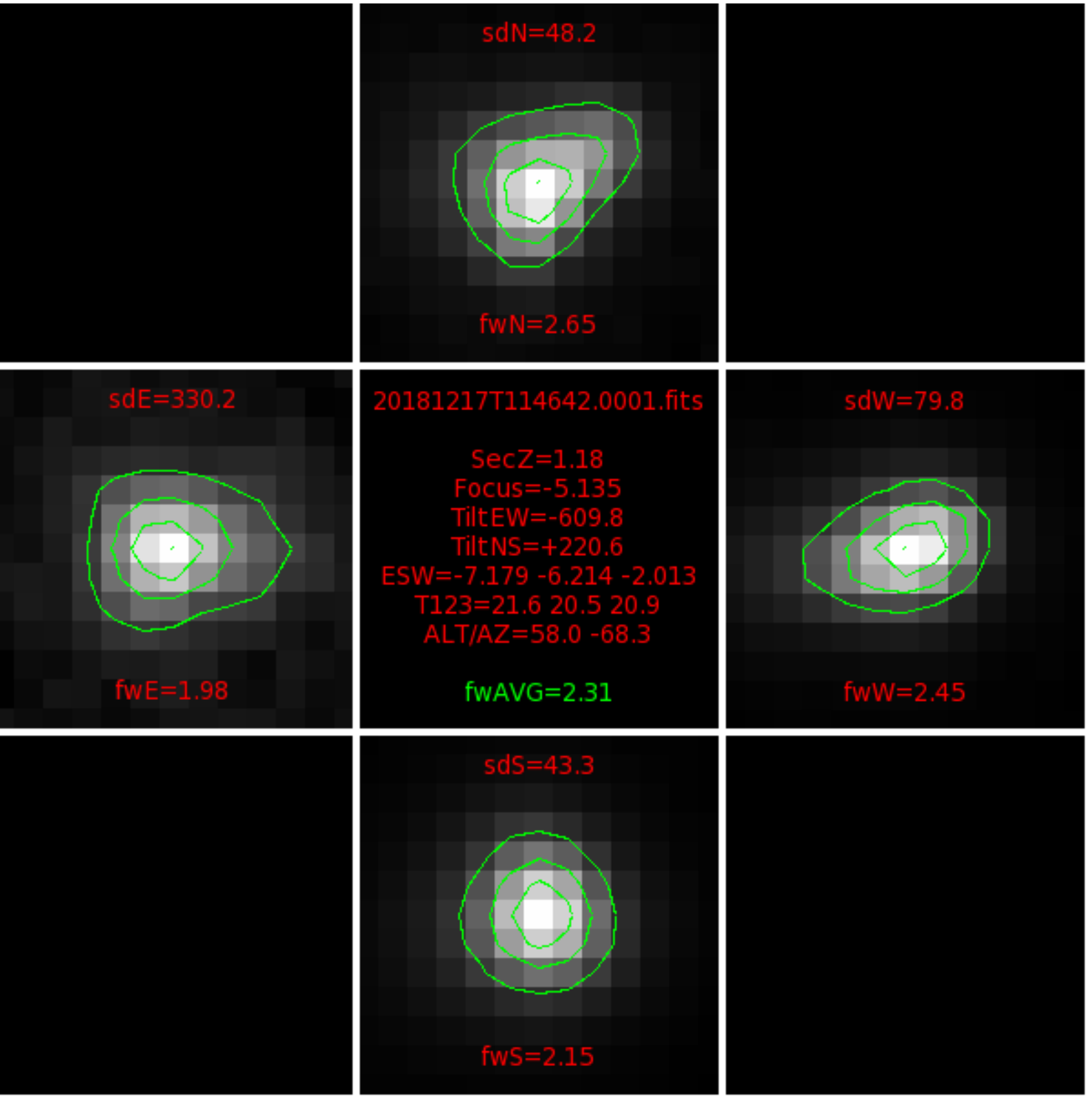

sdN=17.2
fwN=2.33
sdE=39.8
fwE=2.04
20181217T114134.0001.fits
SecZ=1.37
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.5 20.5 20.6
ALT/AZ=47.0 -91.7
fwAVG=2.21
sdW=53.6
fwW=2.27
sdS=390.0
fwS=2.20
0 0 0 0 0 0 0 0 0

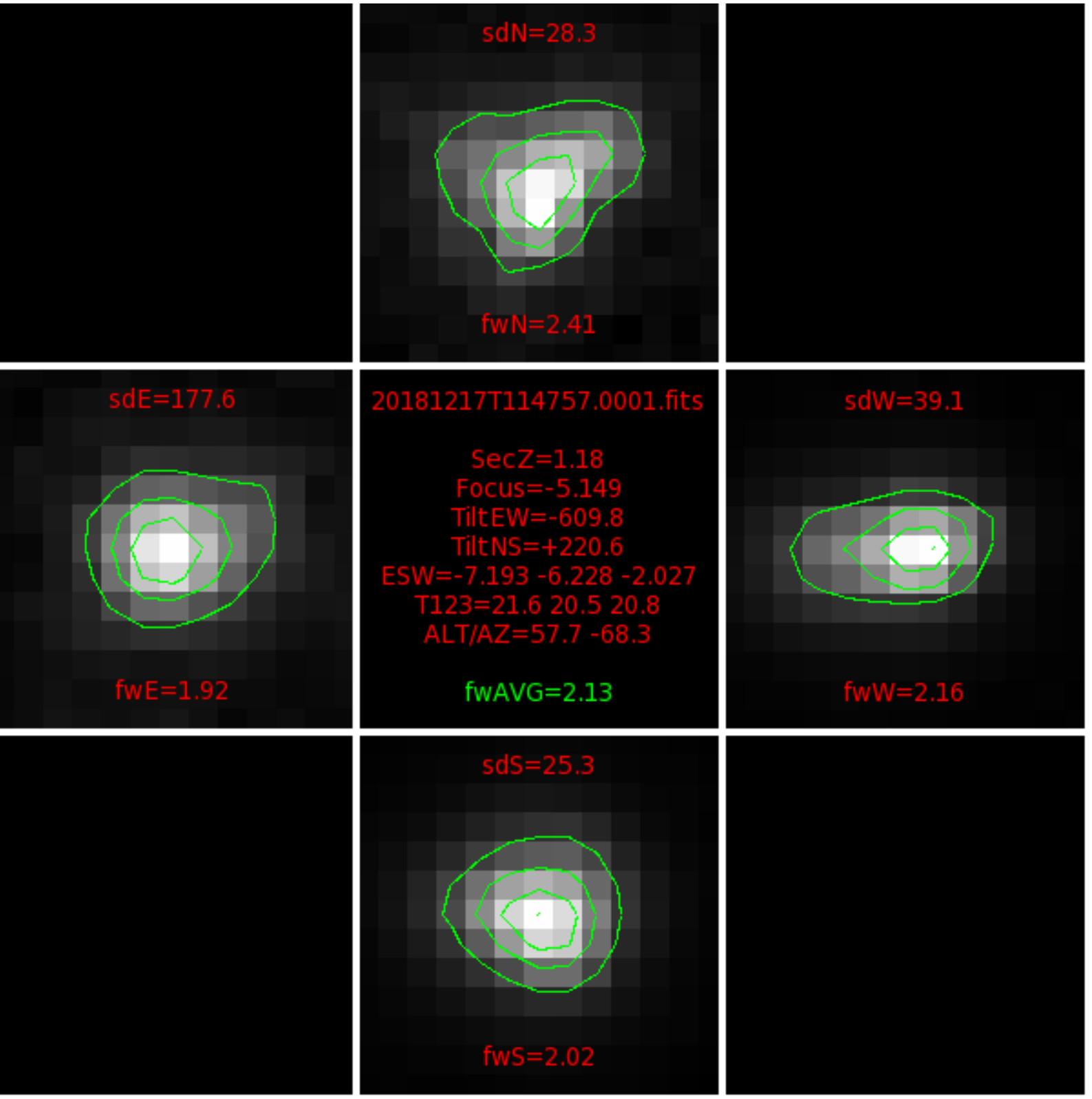

sdN=45.8
fwN=2.32
sdE=128.3
fwE=1.90
20181217T114221.0001.fits
SecZ=1.37
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.6 0.0 20.6
ALT/AZ=46.9 -91.5
fwAVG=2.11
sdW=228.4
fwW=2.28
sdS=819.3
fwS=1.95
0 0 0 0 0 0 0 0 0

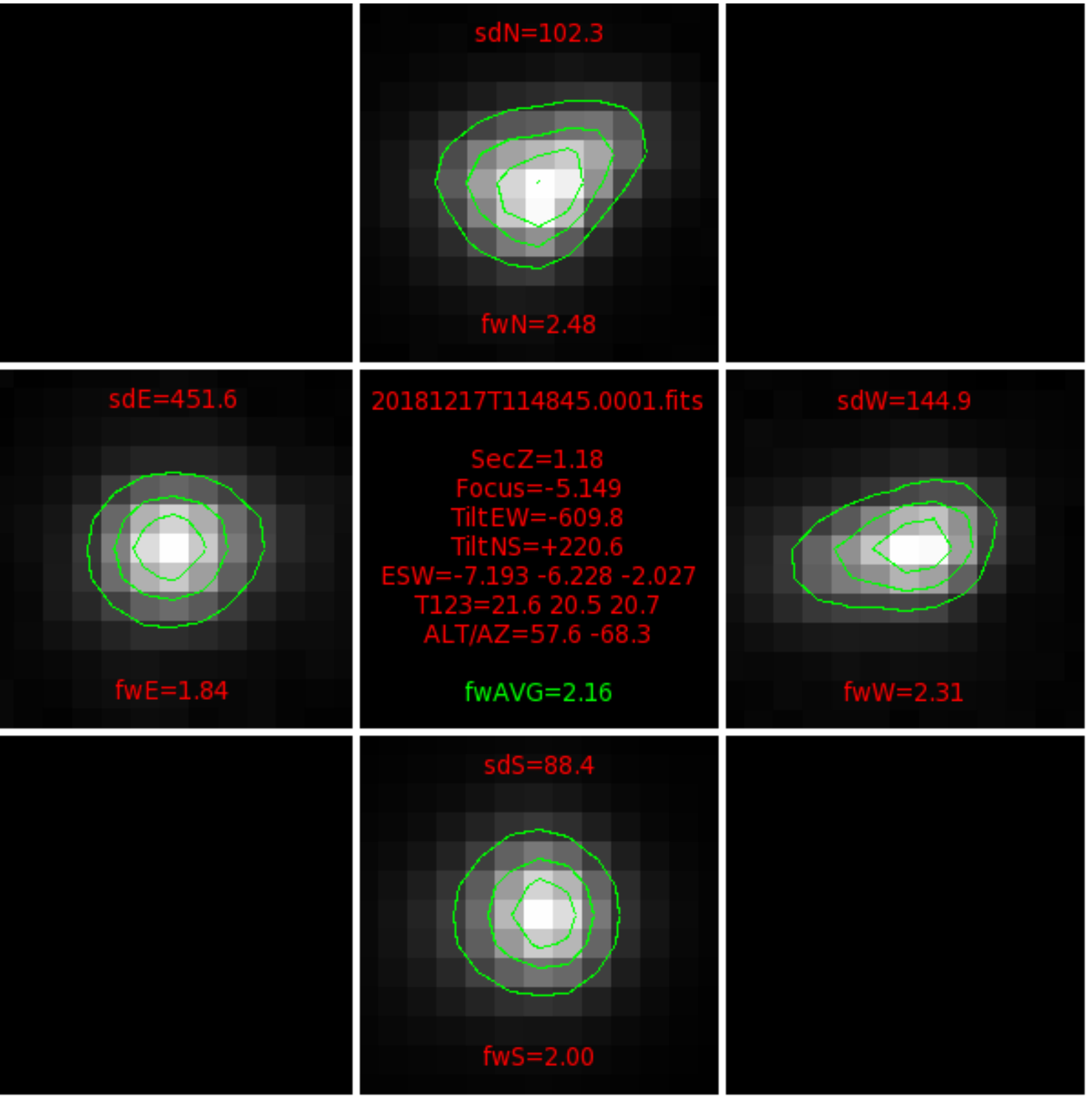

sdN=11.9
fwN=2.54
sdE=71.8
fwE=2.16
20181217T114343.0001.fits
SecZ=1.17
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.6 20.5 20.6
ALT/AZ=58.6 -68.3
fwAVG=2.24
sdW=20.1
fwW=2.05
sdS=37.7
fwS=2.20
0 0 0 0 0 0 0 0 0

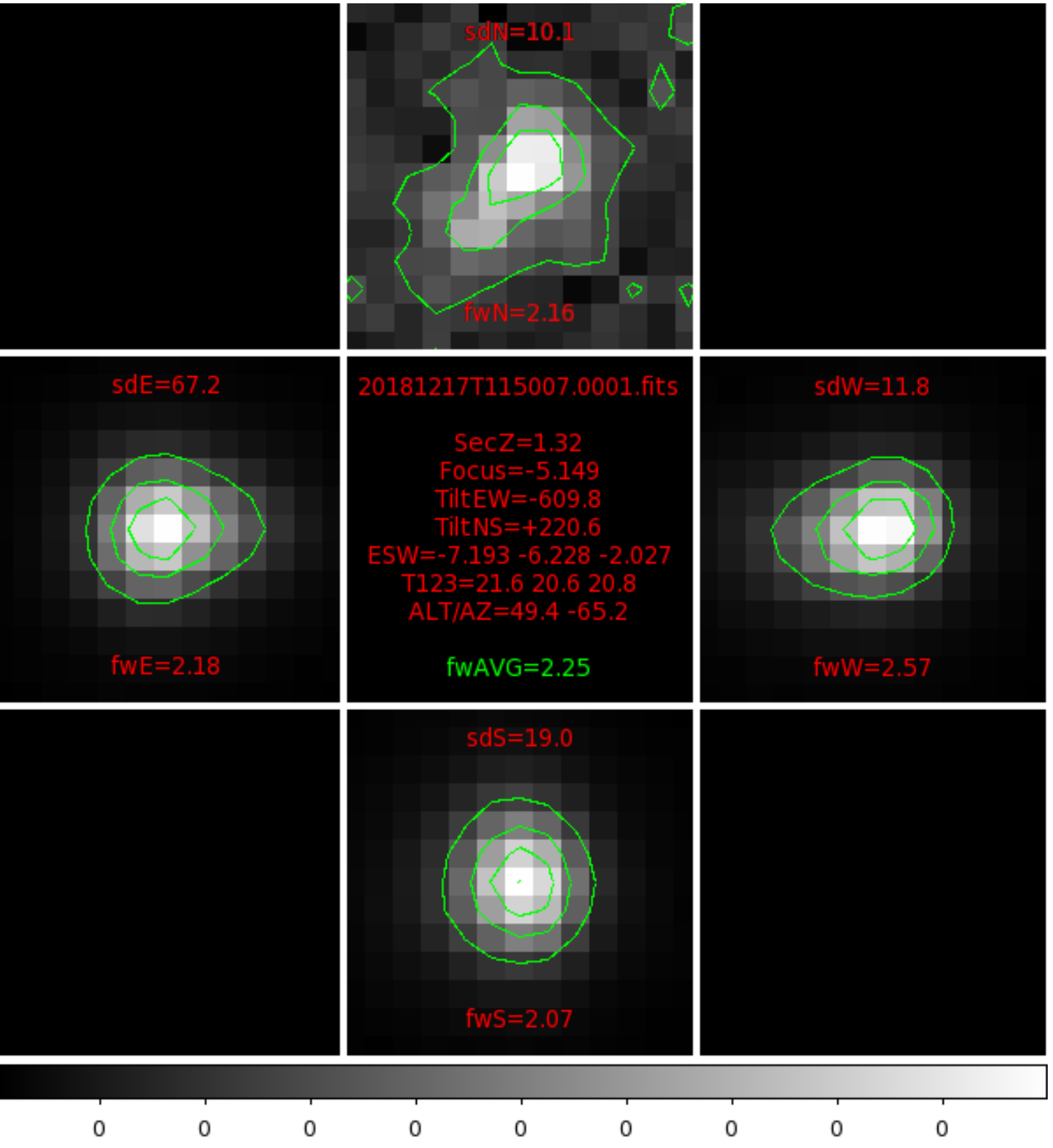

sdN=30.2
fwN=2.94
sdE=233.2
fwE=2.24
20181217T114428.0001.fits
SecZ=1.17
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.6 0.0 20.6
ALT/AZ=58.4 -68.3
fwAVG=2.57
sdW=47.6
fwW=2.77
sdS=25.9
fwS=2.32
0 0 0 0 0 0 0 0 0

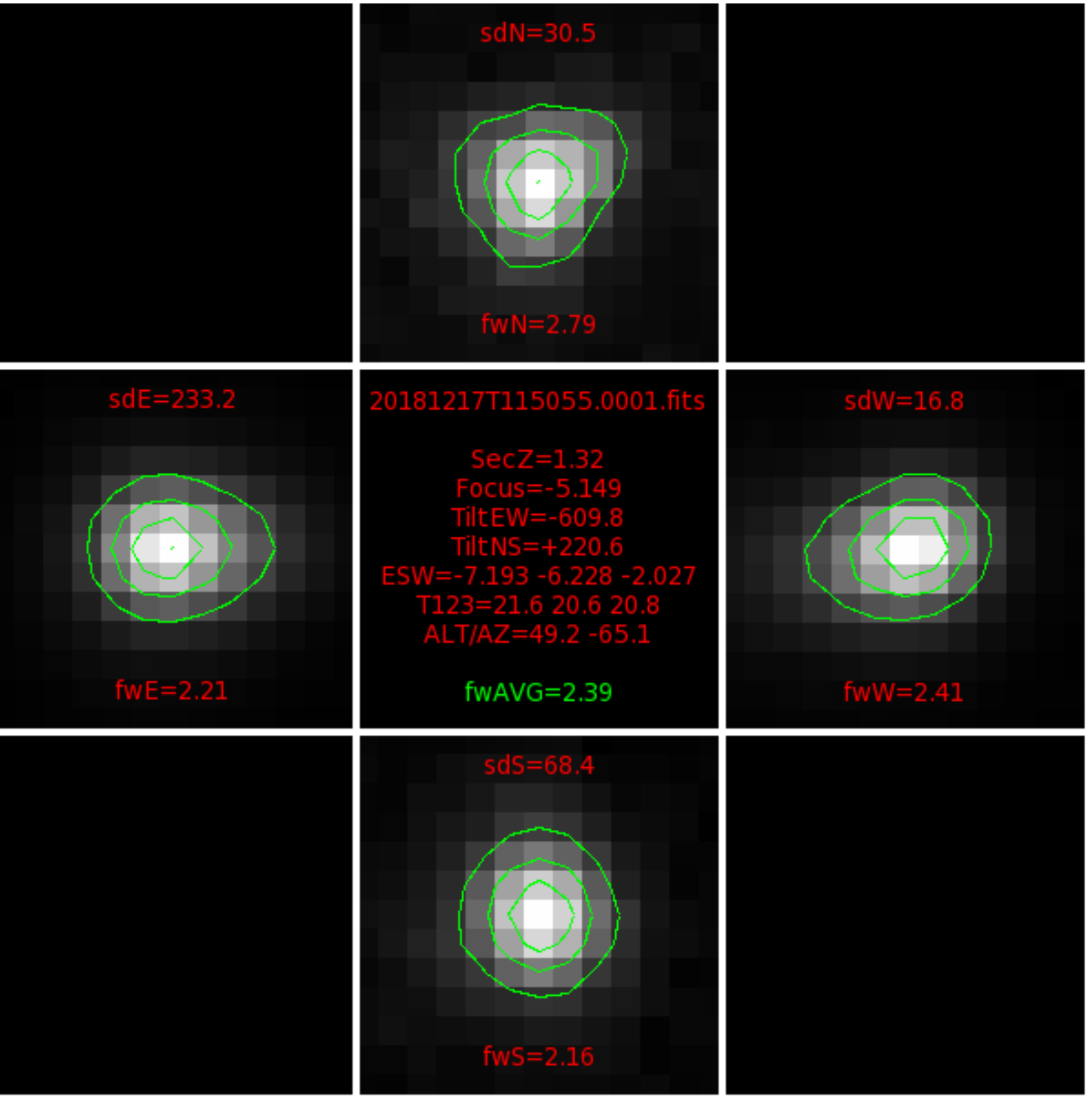

sdN=15.4
fwN=2.67
sdE=111.8
fwE=2.02
20181217T114554.0001.fits
SecZ=1.18
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.6 20.5 20.8
ALT/AZ=58.1 -68.3
fwAVG=2.30
sdW=23.5
fwW=2.47
sdS=16.5
fwS=2.04
0 0 0 0 0 0 0 0 0


sdN=48.2
fwN=2.65
sdE=330.2
fwE=1.98
20181217T114642.0001.fits
SecZ=1.18
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.6 20.5 20.9
ALT/AZ=58.0 -68.3
fwAVG=2.31
sdW=79.8
fwW=2.45
sdS=43.3
fwS=2.15
0 0 0 0 0 0 0 0 0


sdN=28.3
fwN=2.41
sdE=177.6
fwE=1.92
20181217T114757.0001.fits
SecZ=1.18
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.5 20.8
ALT/AZ=57.7 -68.3
fwAVG=2.13
sdW=39.1
fwW=2.16
sdS=25.3
fwS=2.02
0 0 0 0 0 0 0 0 0


sdN=102.3
fwN=2.48
sdE=451.6
fwE=1.84
20181217T114845.0001.fits
SecZ=1.18
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.5 20.7
ALT/AZ=57.6 -68.3
fwAVG=2.16
sdW=144.9
fwW=2.31
sdS=88.4
fwS=2.00
0 0 0 0 0 0 0 0 0


sdN=10.1
fwN=2.16
sdE=67.2
fwE=2.18
20181217T115007.0001.fits
SecZ=1.32
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.6 20.8
ALT/AZ=49.4 -65.2
fwAVG=2.25
sdW=11.8
fwW=2.57
sdS=19.0
fwS=2.07
0 0 0 0 0 0 0 0 0


sdN=30.5
fwN=2.79
sdE=233.2
fwE=2.21
20181217T115055.0001.fits
SecZ=1.32
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.6 20.8
ALT/AZ=49.2 -65.1
fwAVG=2.39
sdW=16.8
fwW=2.41
sdS=68.4
fwS=2.16
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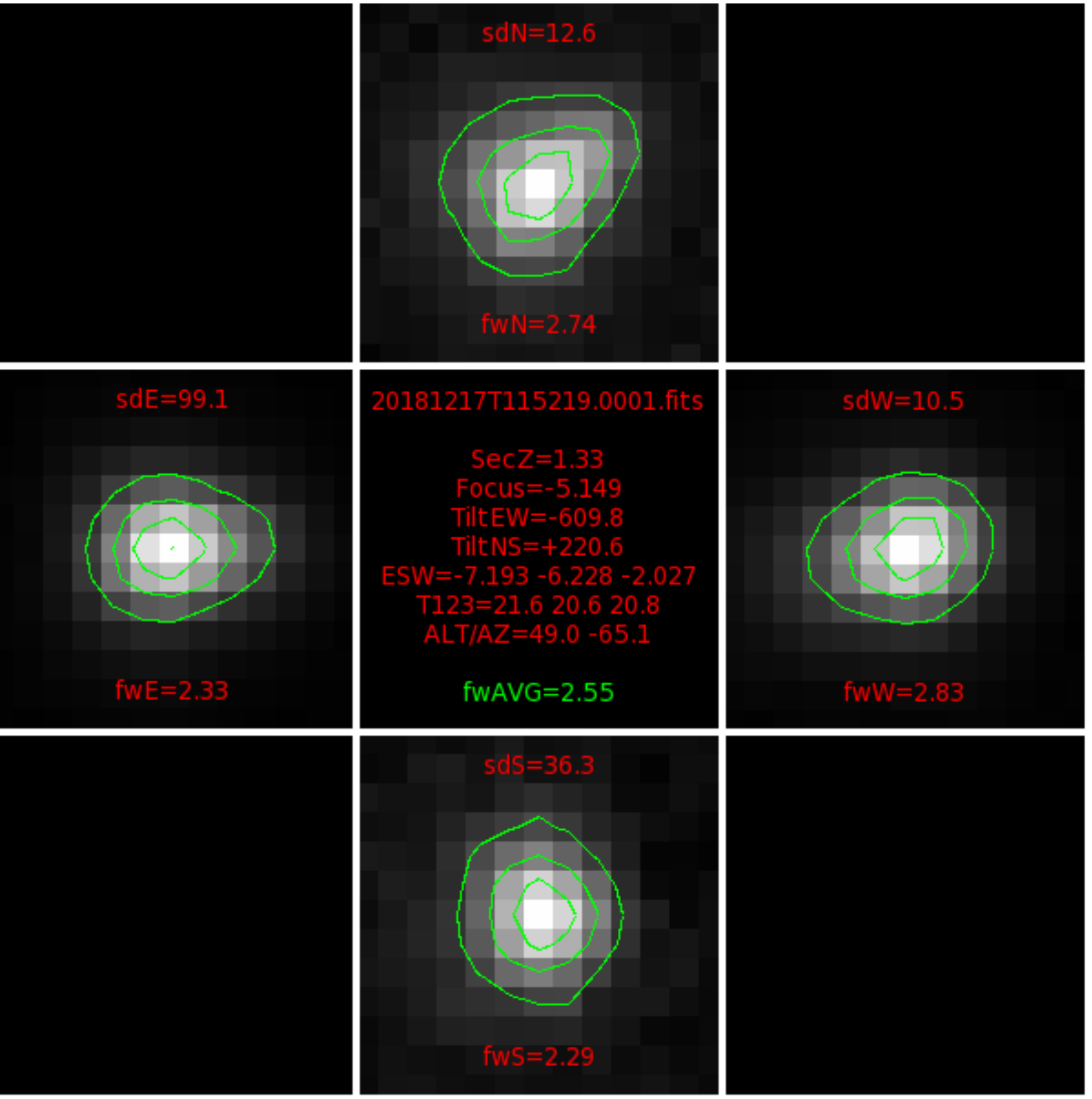
sdN=12.6
fwN=2.74
sdE=99.1
fwE=2.33
20181217T115219.0001.fits
SecZ=1.33
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.6 20.8
ALT/AZ=49.0 -65.1
fwAVG=2.55
sdW=10.5
fwW=2.83
sdS=36.3
fwS=2.29
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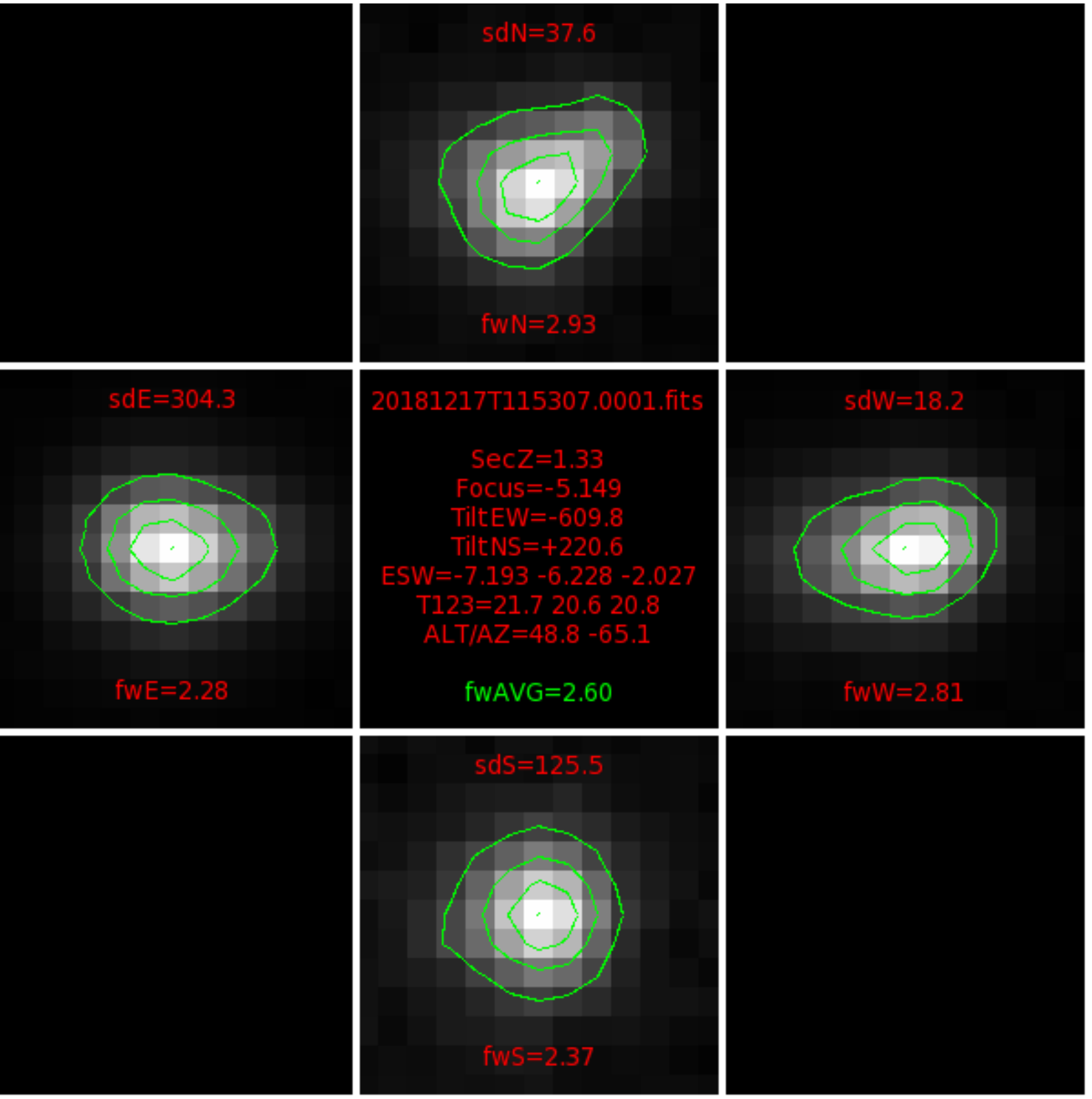
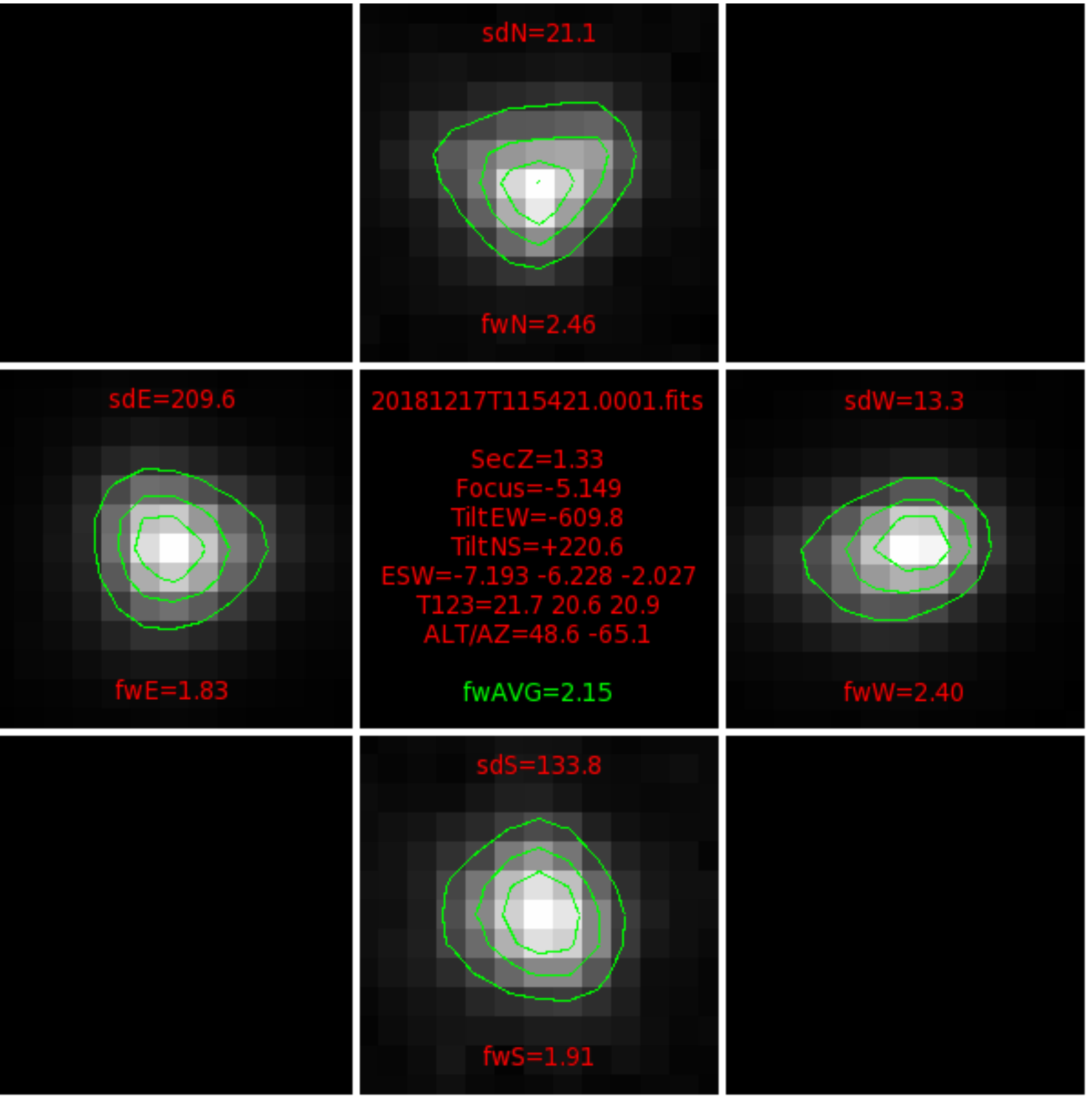
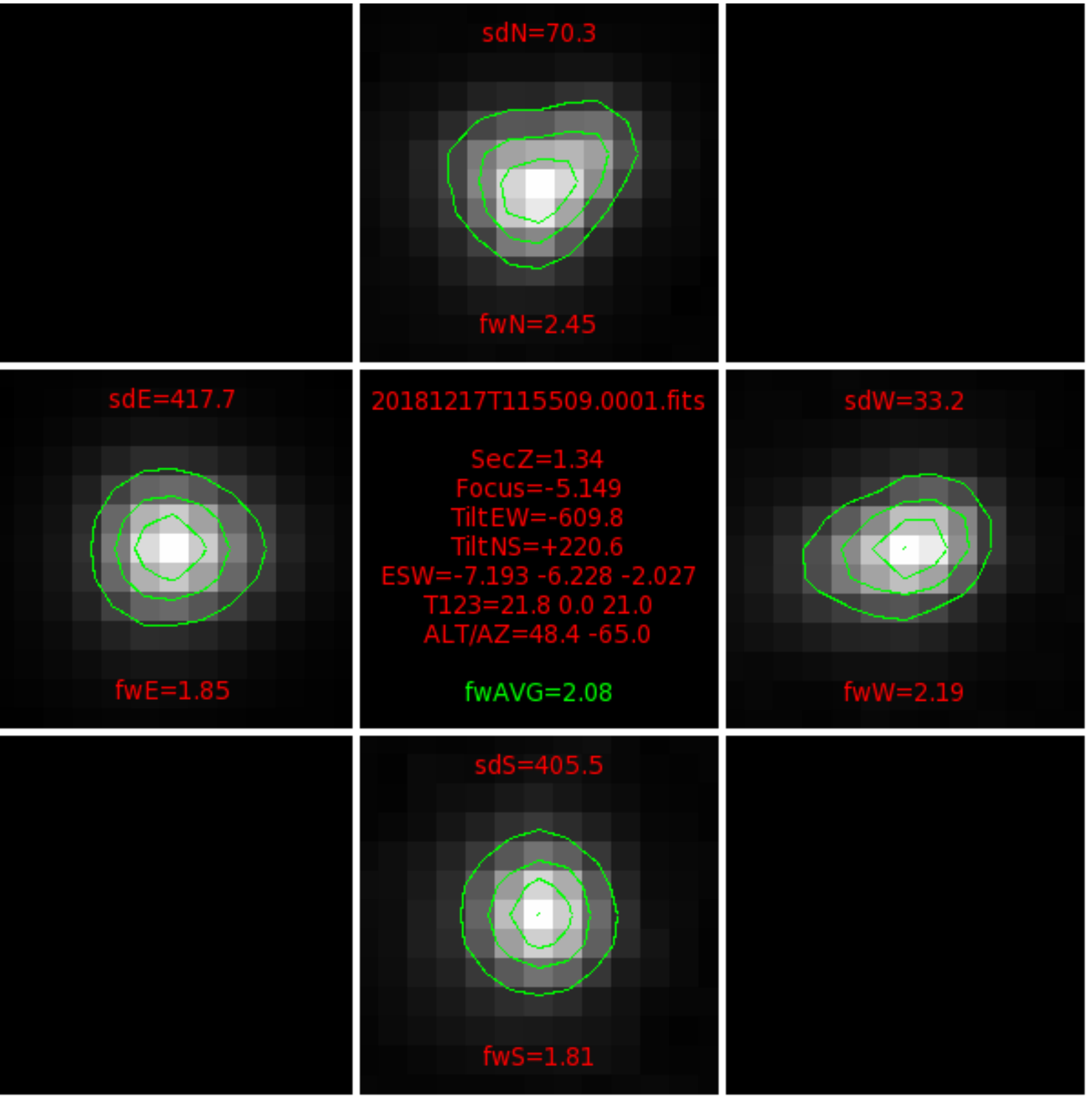

sdN=37.6
fwN=2.93
sdE=304.3
fwE=2.28
20181217T115307.0001.fits
SecZ=1.33
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.7 20.6 20.8
ALT/AZ=48.8 -65.1
fwAVG=2.60
sdW=18.2
fwW=2.81
sdS=125.5
fwS=2.37
0 0 0 0 0 0 0 0 0


sdN=21.1
fwN=2.46
sdE=209.6
fwE=1.83
20181217T115421.0001.fits
SecZ=1.33
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.7 20.6 20.9
ALT/AZ=48.6 -65.1
fwAVG=2.15
sdW=13.3
fwW=2.40
sdS=133.8
fwS=1.91
0 0 0 0 0 0 0 0 0


sdN=70.3
fwN=2.45
sdE=417.7
fwE=1.85
20181217T115509.0001.fits
SecZ=1.34
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.8 0.0 21.0
ALT/AZ=48.4 -65.0
fwAVG=2.08
sdW=33.2
fwW=2.19
sdS=405.5
fwS=1.81
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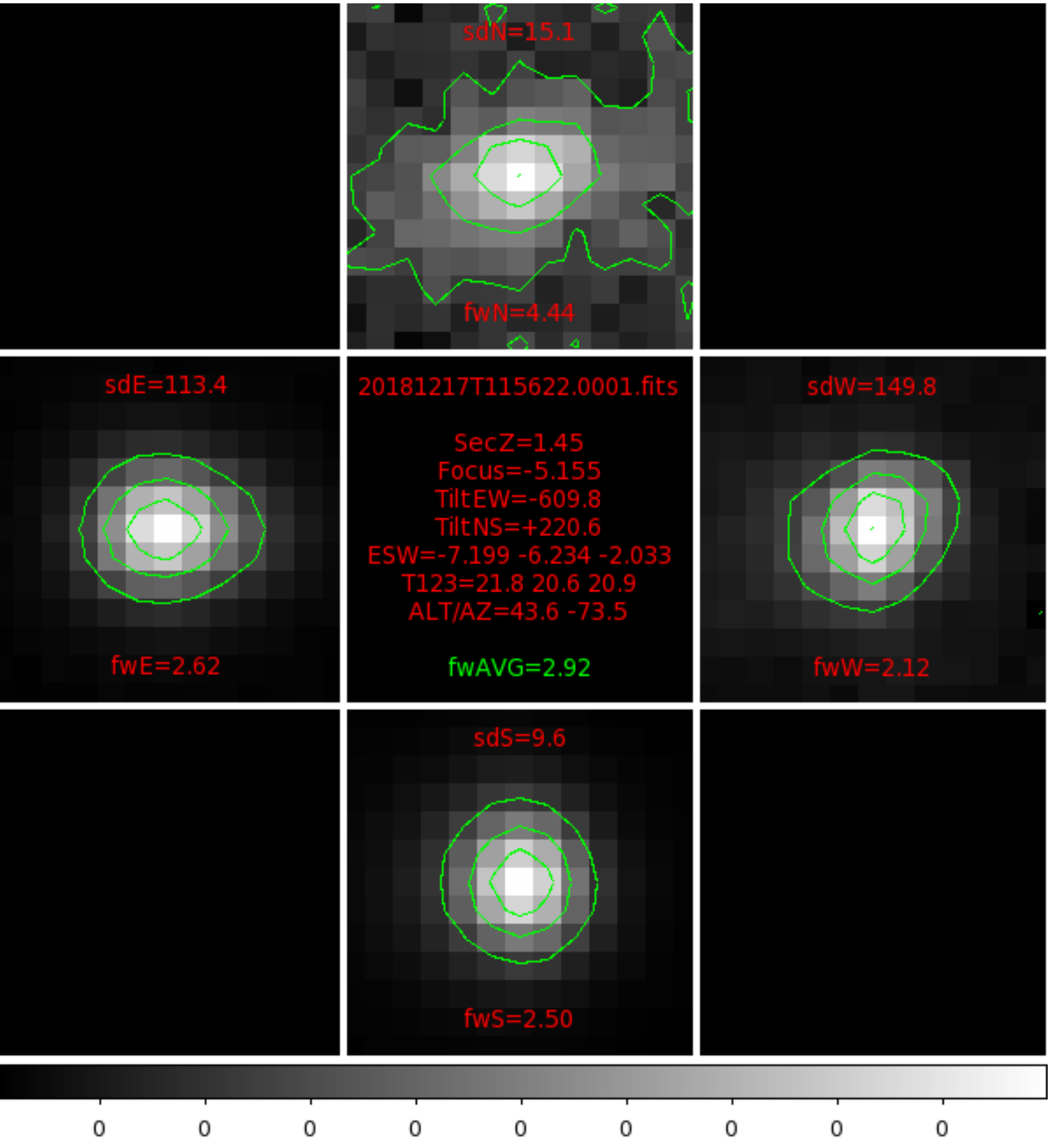
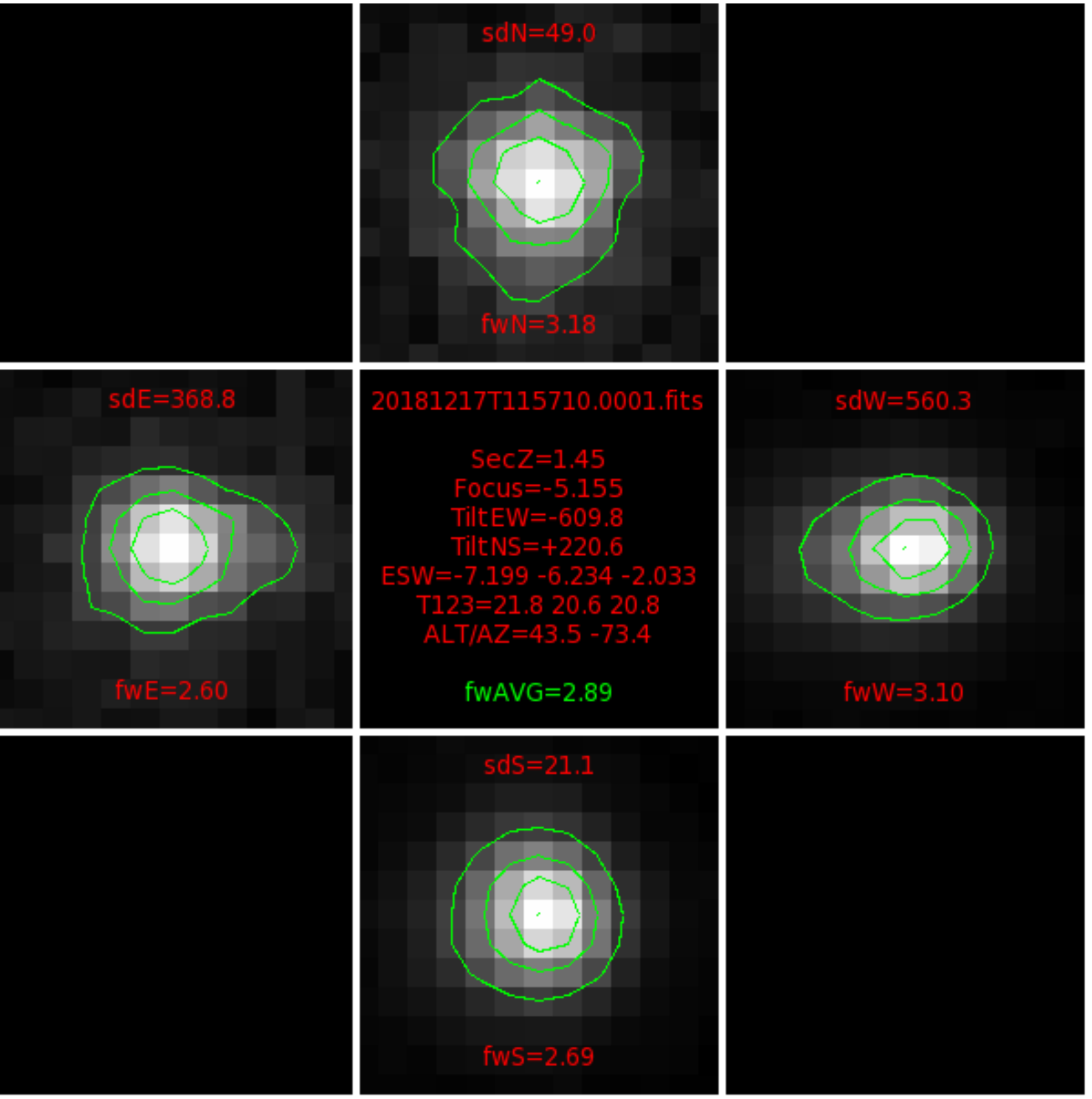

sdN=15.1
fwN=4.44
sdE=113.4
fwE=2.62
20181217T115622.0001.fits
SecZ=1.45
Focus=-5.155
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.199 -6.234 -2.033
T123=21.8 20.6 20.9
ALT/AZ=43.6 -73.5
fwAVG=2.92
sdW=149.8
fwW=2.12
sdS=9.6
fwS=2.50
0 0 0 0 0 0 0 0 0


sdN=49.0
fwN=3.18
sdE=368.8
fwE=2.60
20181217T115710.0001.fits
SecZ=1.45
Focus=-5.155
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.199 -6.234 -2.033
T123=21.8 20.6 20.8
ALT/AZ=43.5 -73.4
fwAVG=2.89
sdW=560.3
fwW=3.10
sdS=21.1
fwS=2.69
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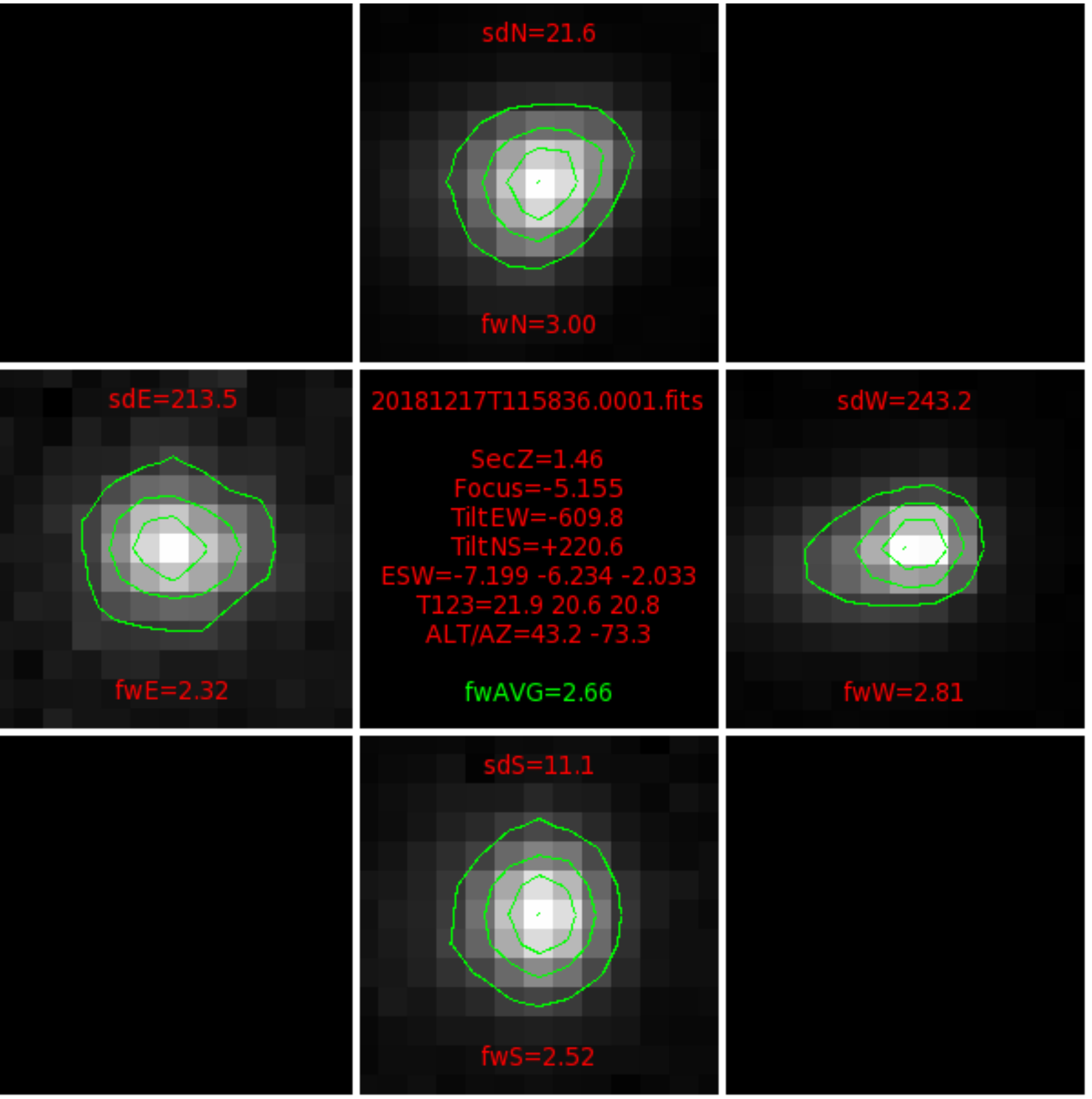
sdN=21.6
fwN=3.00
sdE=213.5
fwE=2.32
20181217T115836.0001.fits
SecZ=1.46
Focus=-5.155
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.199 -6.234 -2.033
T123=21.9 20.6 20.8
ALT/AZ=43.2 -73.3
fwAVG=2.66
sdW=243.2
fwW=2.81
sdS=11.1
fwS=2.52
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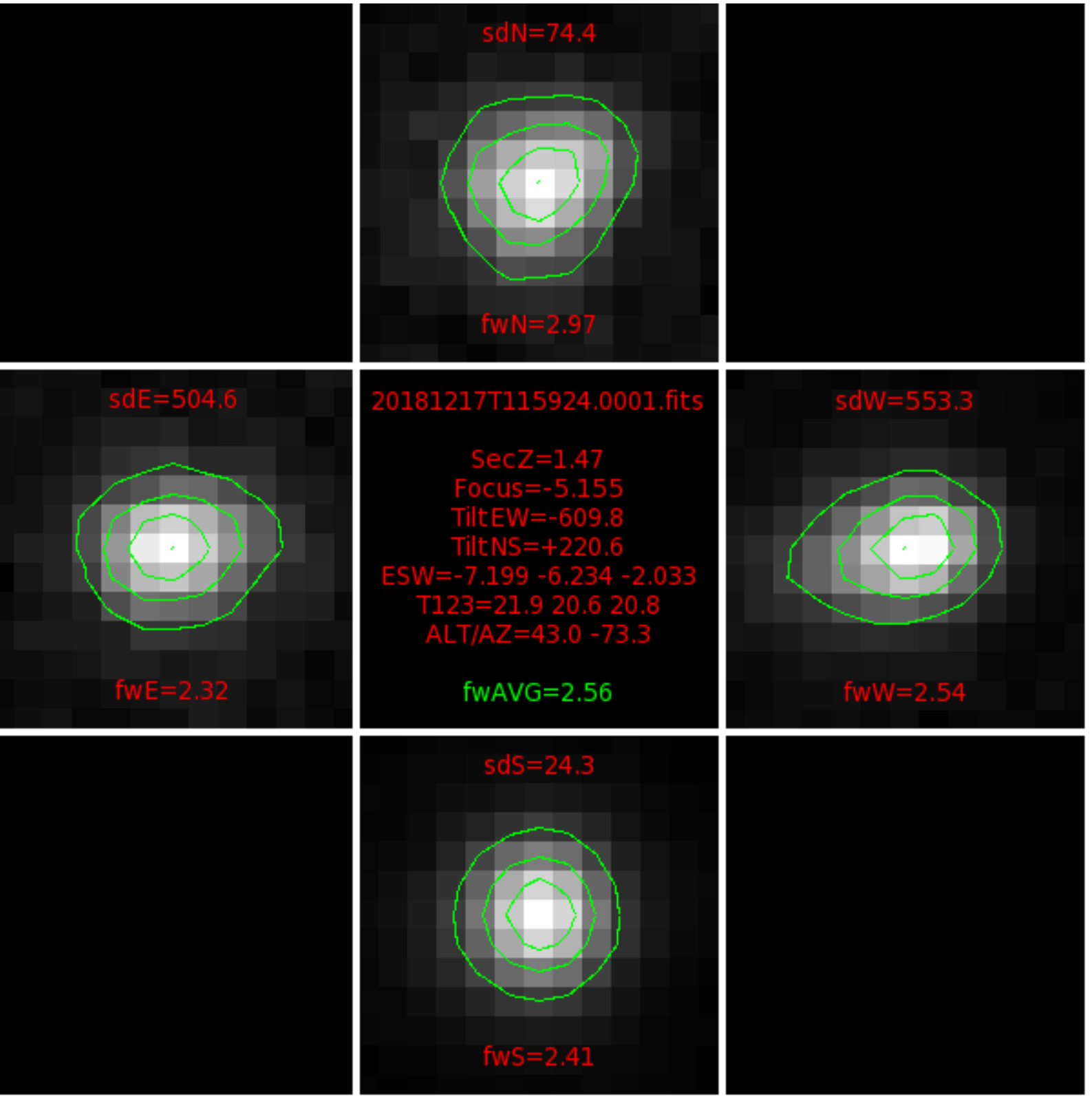
sdN=74.4
fwN=2.97
sdE=504.6
fwE=2.32
20181217T115924.0001.fits
SecZ=1.47
Focus=-5.155
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.199 -6.234 -2.033
T123=21.9 20.6 20.8
ALT/AZ=43.0 -73.3
fwAVG=2.56
sdW=553.3
fwW=2.54
sdS=24.3
fwS=2.41
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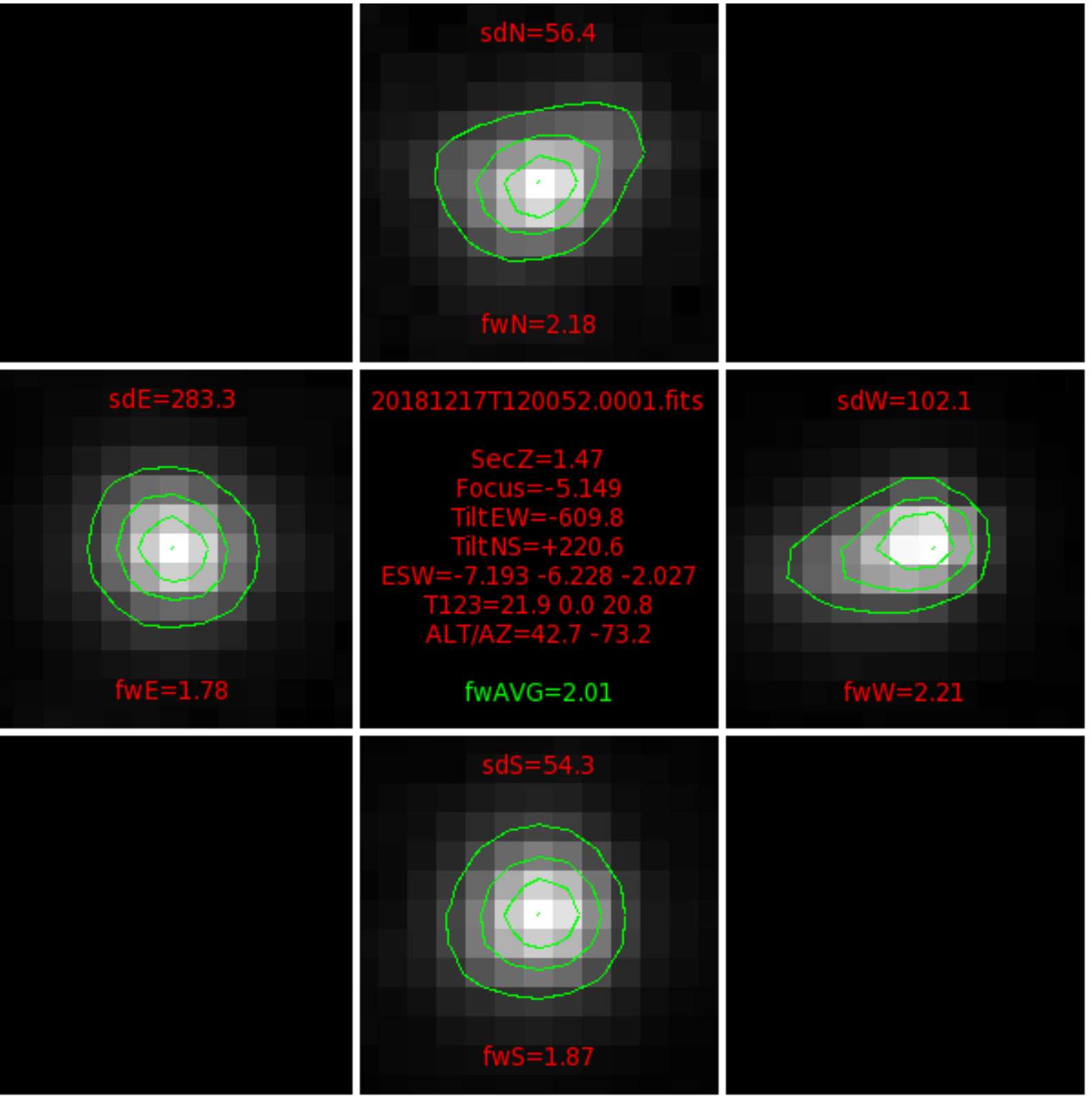
sdN=56.4
fwN=2.18
sdE=283.3
fwE=1.78
20181217T120052.0001.fits
SecZ=1.47
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.9 0.0 20.8
ALT/AZ=42.7 -73.2
fwAVG=2.01
sdW=102.1
fwW=2.21
sdS=54.3
fwS=1.87
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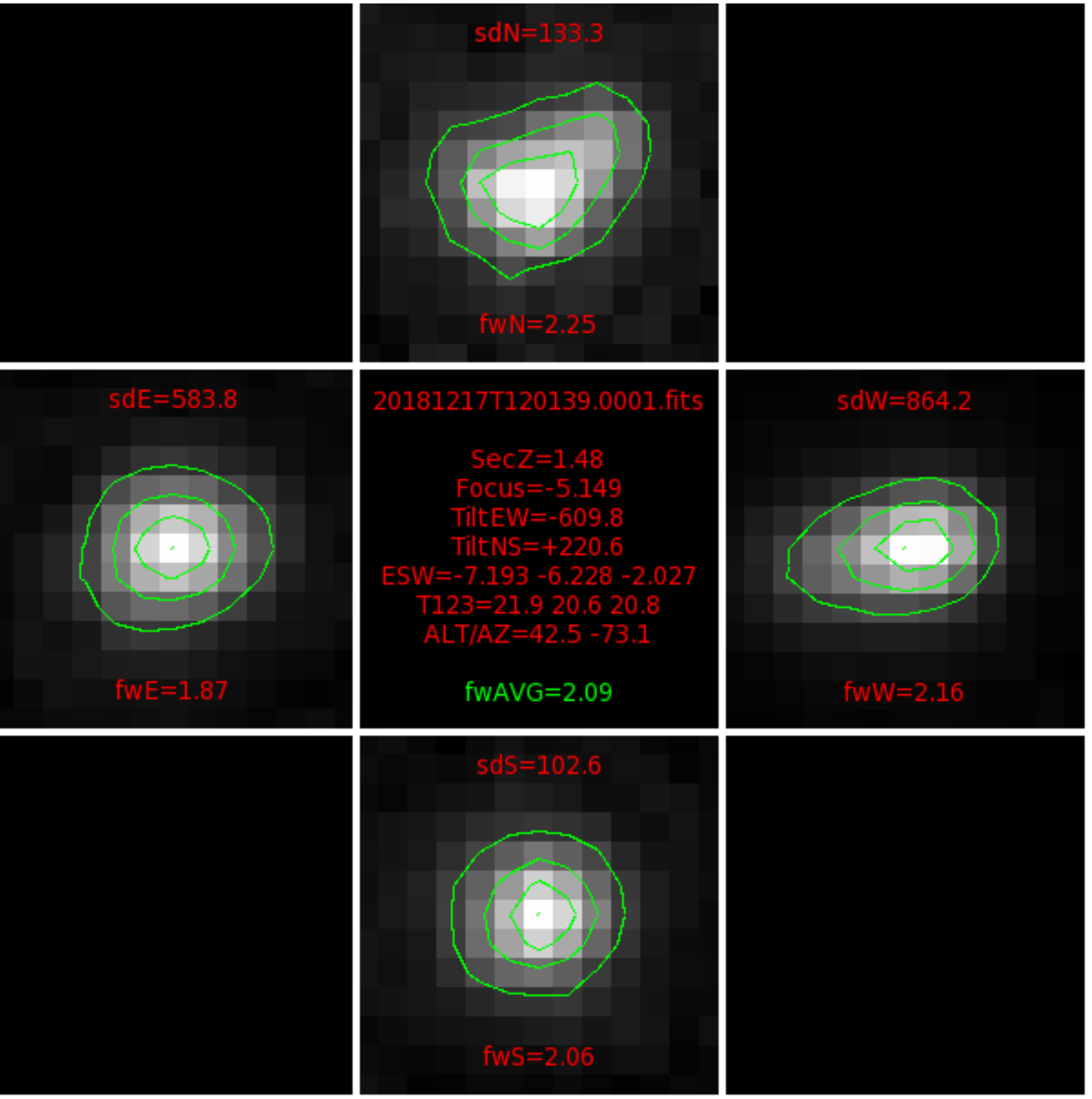
sdN=133.3
fwN=2.25
sdE=583.8
fwE=1.87
20181217T120139.0001.fits
SecZ=1.48
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.9 20.6 20.8
ALT/AZ=42.5 -73.1
fwAVG=2.09
sdW=864.2
fwW=2.16
sdS=102.6
fwS=2.06
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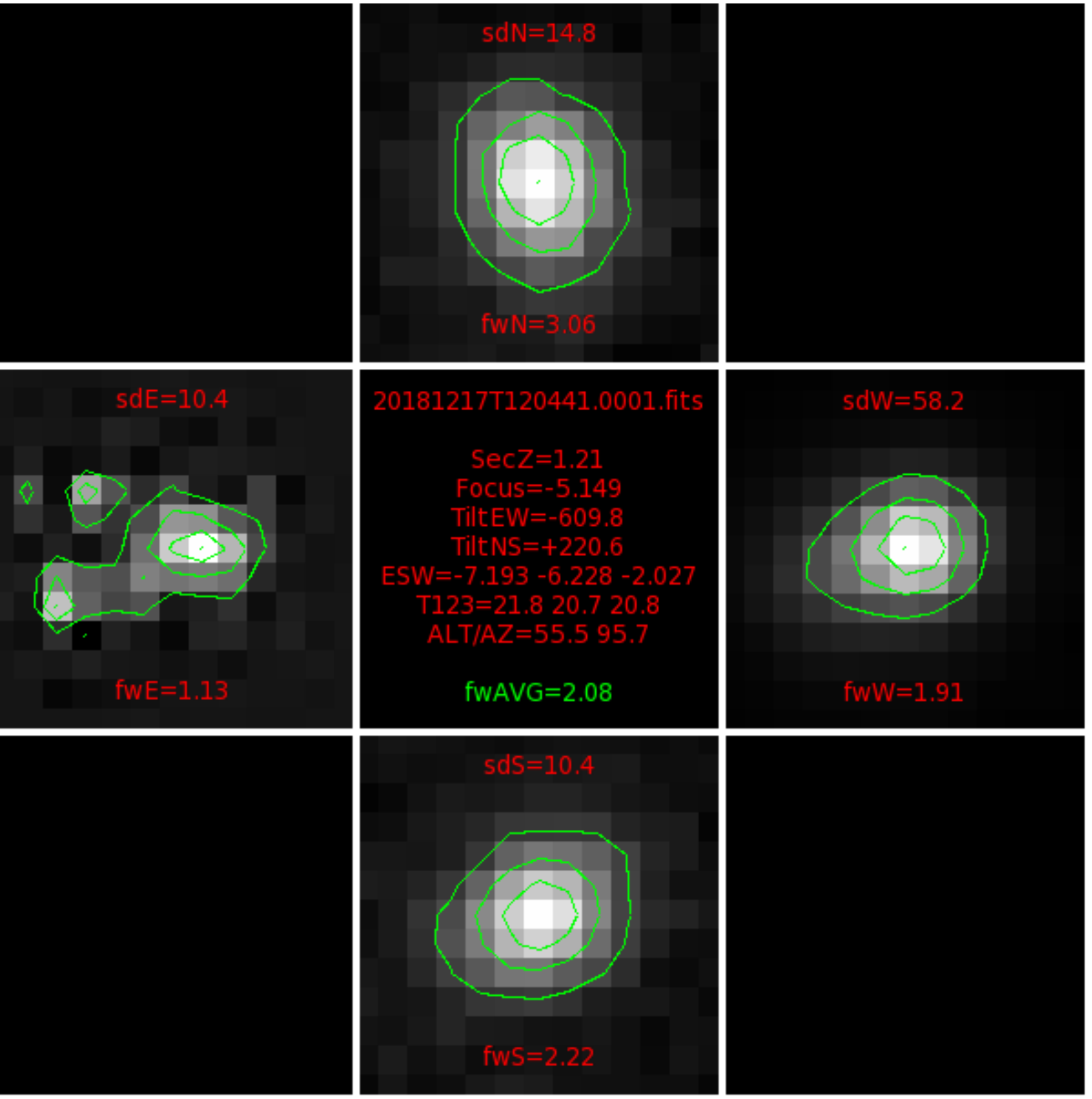
sdN=14.8
fwN=3.06
sdE=10.4
fwE=1.13
20181217T120441.0001.fits
SecZ=1.21
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.8 20.7 20.8
ALT/AZ=55.5 95.7
fwAVG=2.08
sdW=58.2
fwW=1.91
sdS=10.4
fwS=2.22
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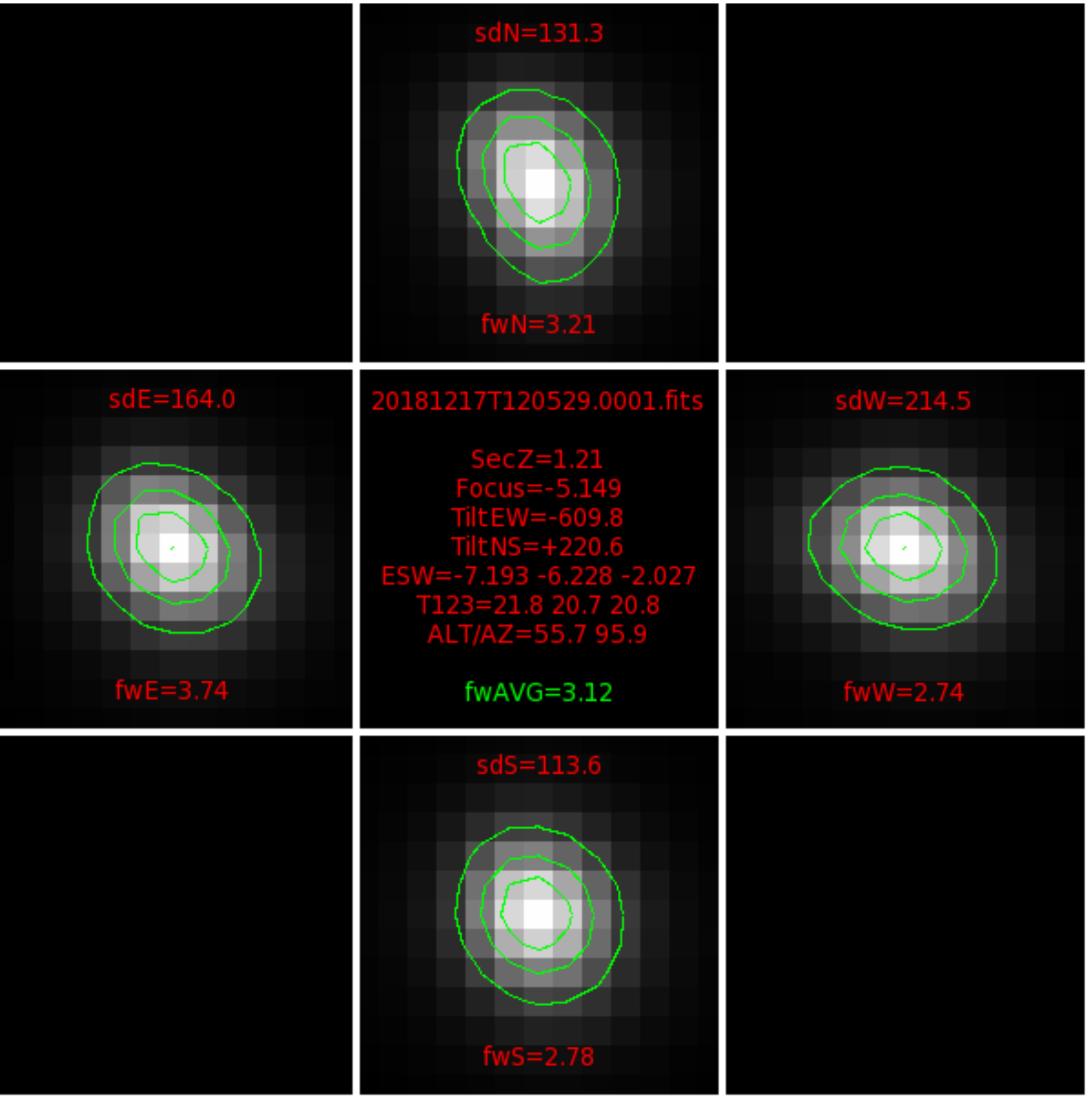
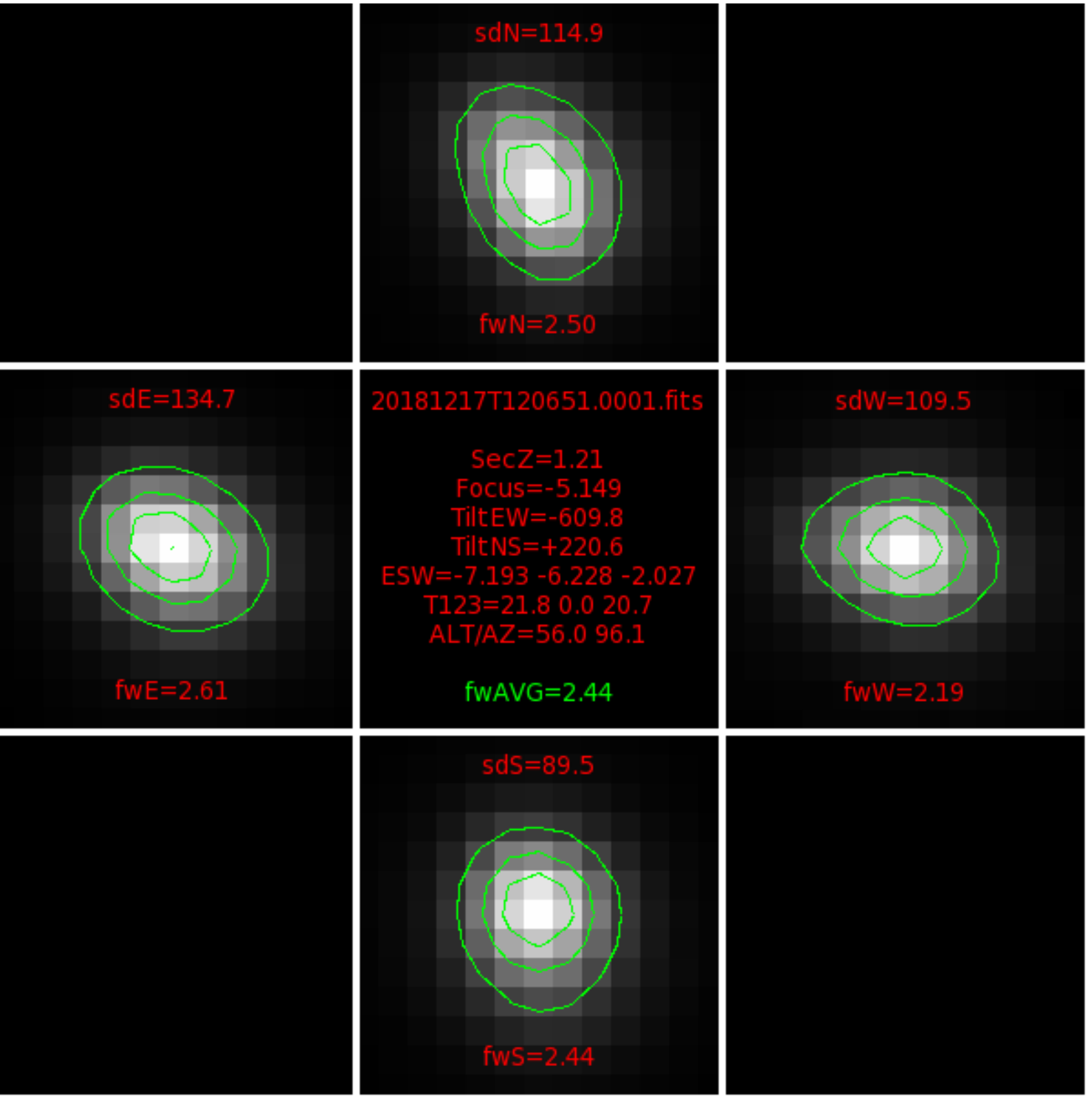
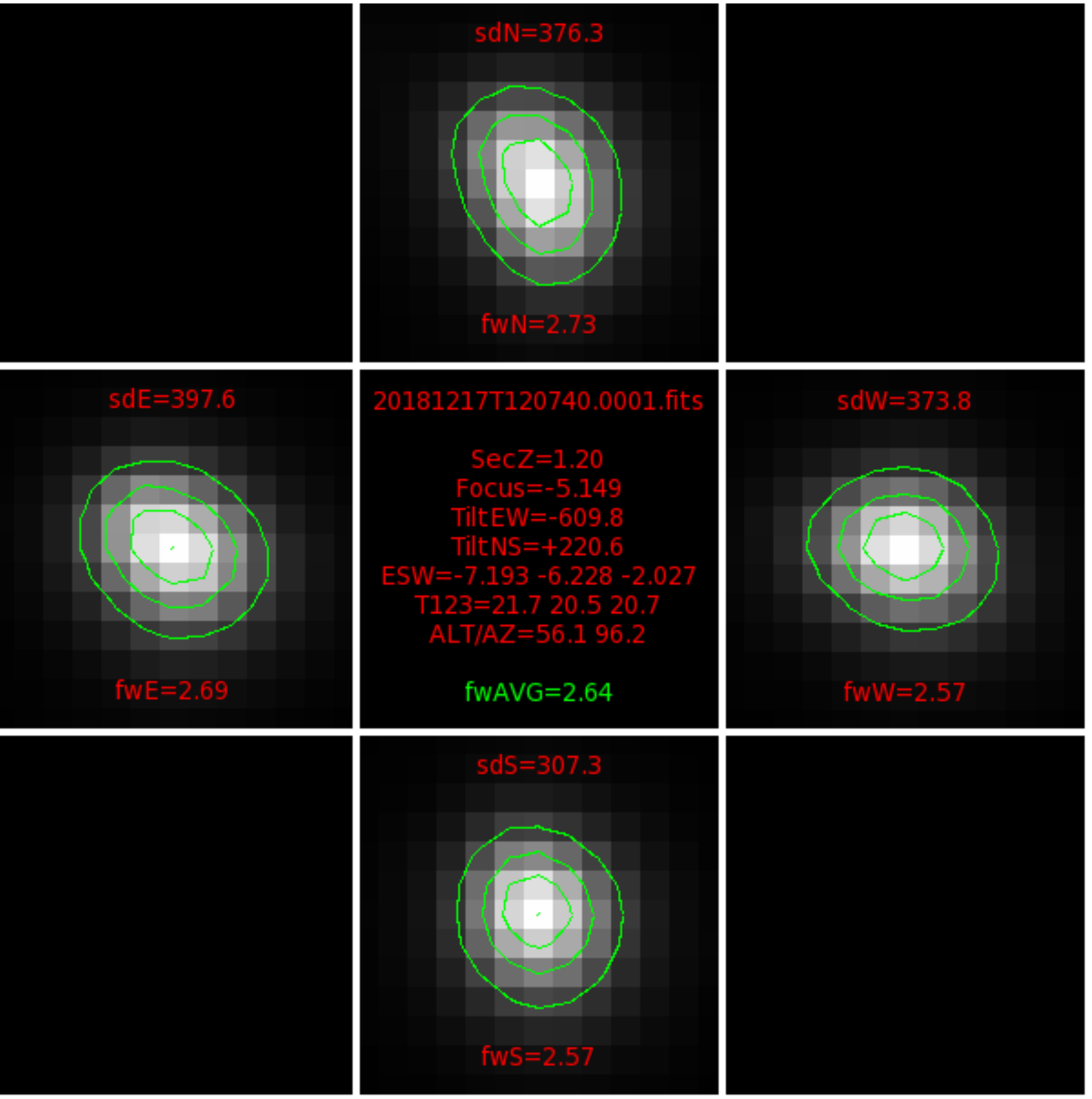

sdN=131.3
fwN=3.21
sdE=164.0
fwE=3.74
20181217T120529.0001.fits
SecZ=1.21
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.8 20.7 20.8
ALT/AZ=55.7 95.9
fwAVG=3.12
sdW=214.5
fwW=2.74
sdS=113.6
fwS=2.78
0 0 0 0 0 0 0 0 0


sdN=114.9
fwN=2.50
sdE=134.7
fwE=2.61
20181217T120651.0001.fits
SecZ=1.21
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.8 0.0 20.7
ALT/AZ=56.0 96.1
fwAVG=2.44
sdW=109.5
fwW=2.19
sdS=89.5
fwS=2.44
0 0 0 0 0 0 0 0 0


sdN=376.3
fwN=2.73
sdE=397.6
fwE=2.69
20181217T120740.0001.fits
SecZ=1.20
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.7 20.5 20.7
ALT/AZ=56.1 96.2
fwAVG=2.64
sdW=373.8
fwW=2.57
sdS=307.3
fwS=2.57
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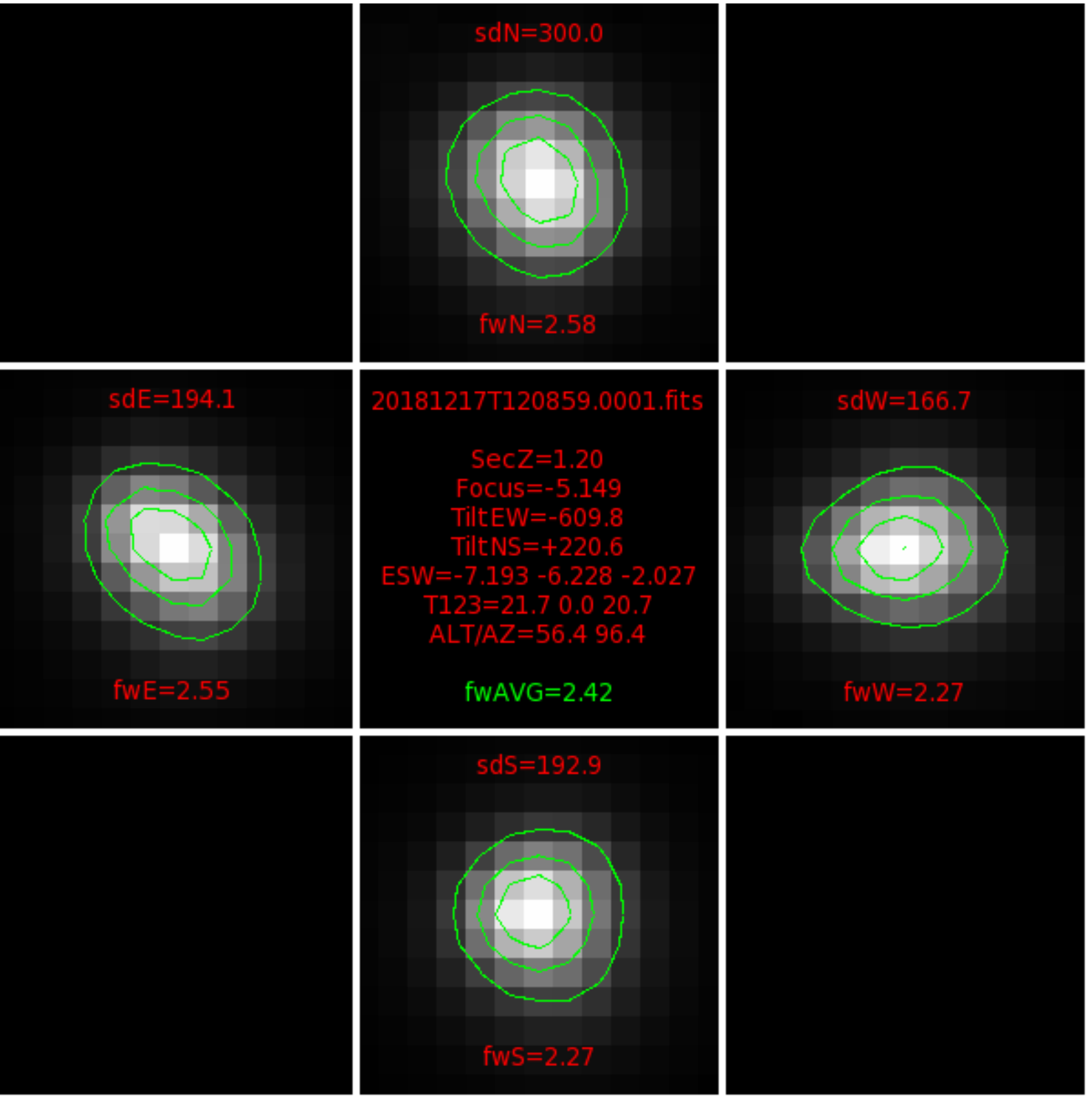
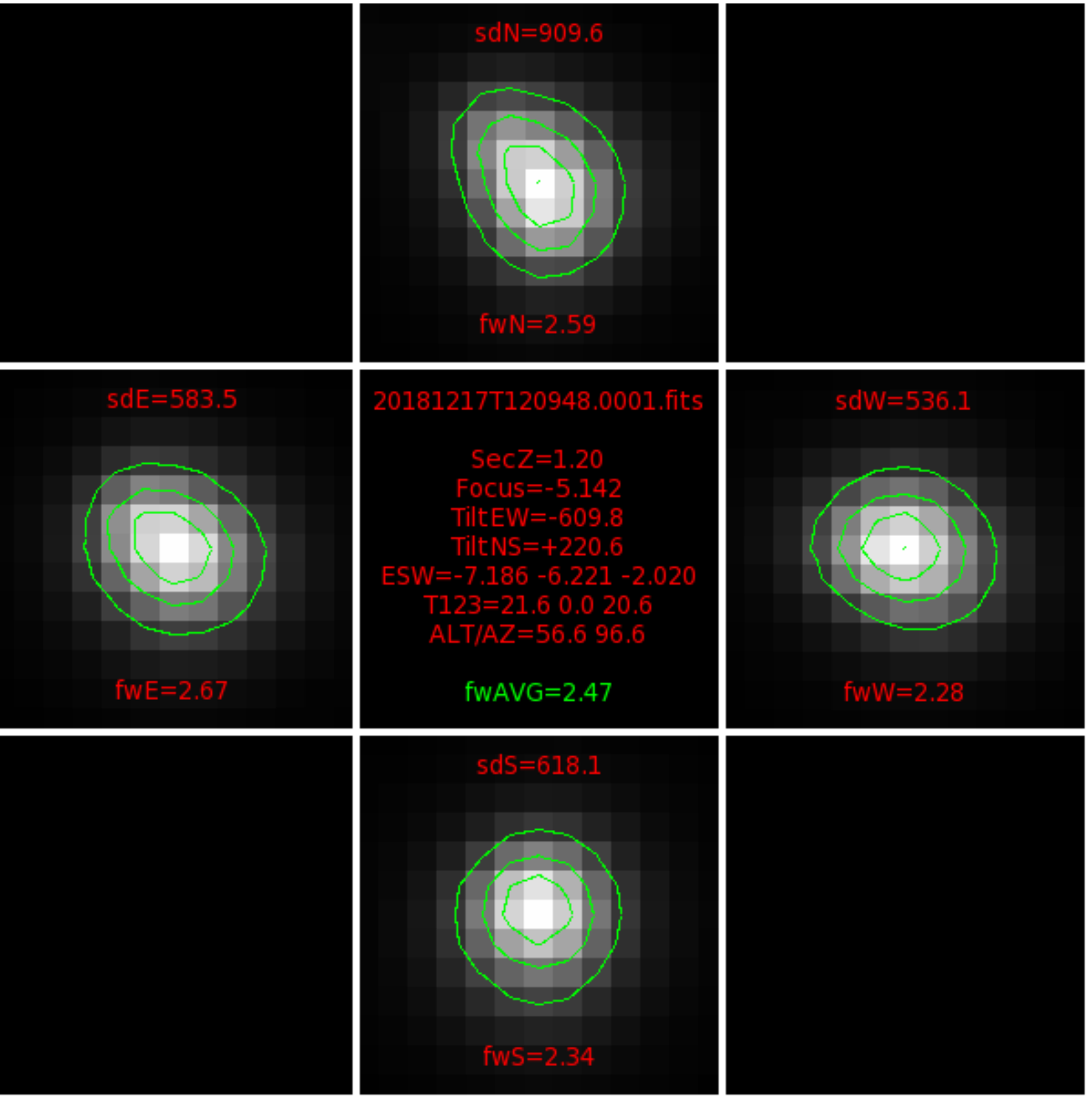

sdN=300.0
fwN=2.58
sdE=194.1
fwE=2.55
20181217T120859.0001.fits
SecZ=1.20
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.7 0.0 20.7
ALT/AZ=56.4 96.4
fwAVG=2.42
sdW=166.7
fwW=2.27
sdS=192.9
fwS=2.27
0 0 0 0 0 0 0 0 0


sdN=909.6
fwN=2.59
sdE=583.5
fwE=2.67
20181217T120948.0001.fits
SecZ=1.20
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.6 0.0 20.6
ALT/AZ=56.6 96.6
fwAVG=2.47
sdW=536.1
fwW=2.28
sdS=618.1
fwS=2.34
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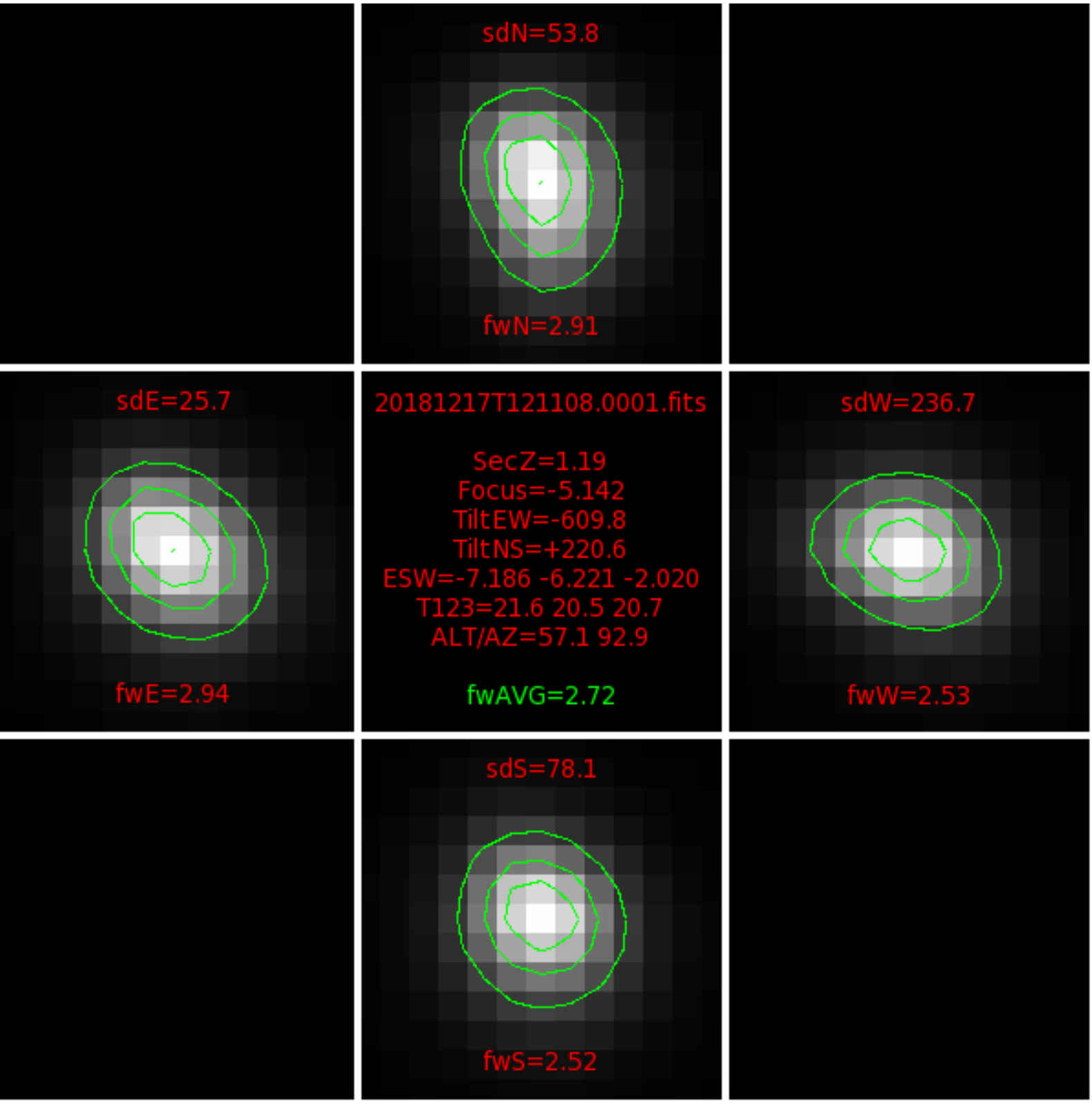
sdN=53.8
fwN=2.91
sdE=25.7
fwE=2.94
20181217T121108.0001.fits
SecZ=1.19
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.6 20.5 20.7
ALT/AZ=57.1 92.9
fwAVG=2.72
sdW=236.7
fwW=2.53
sdS=78.1
fwS=2.52
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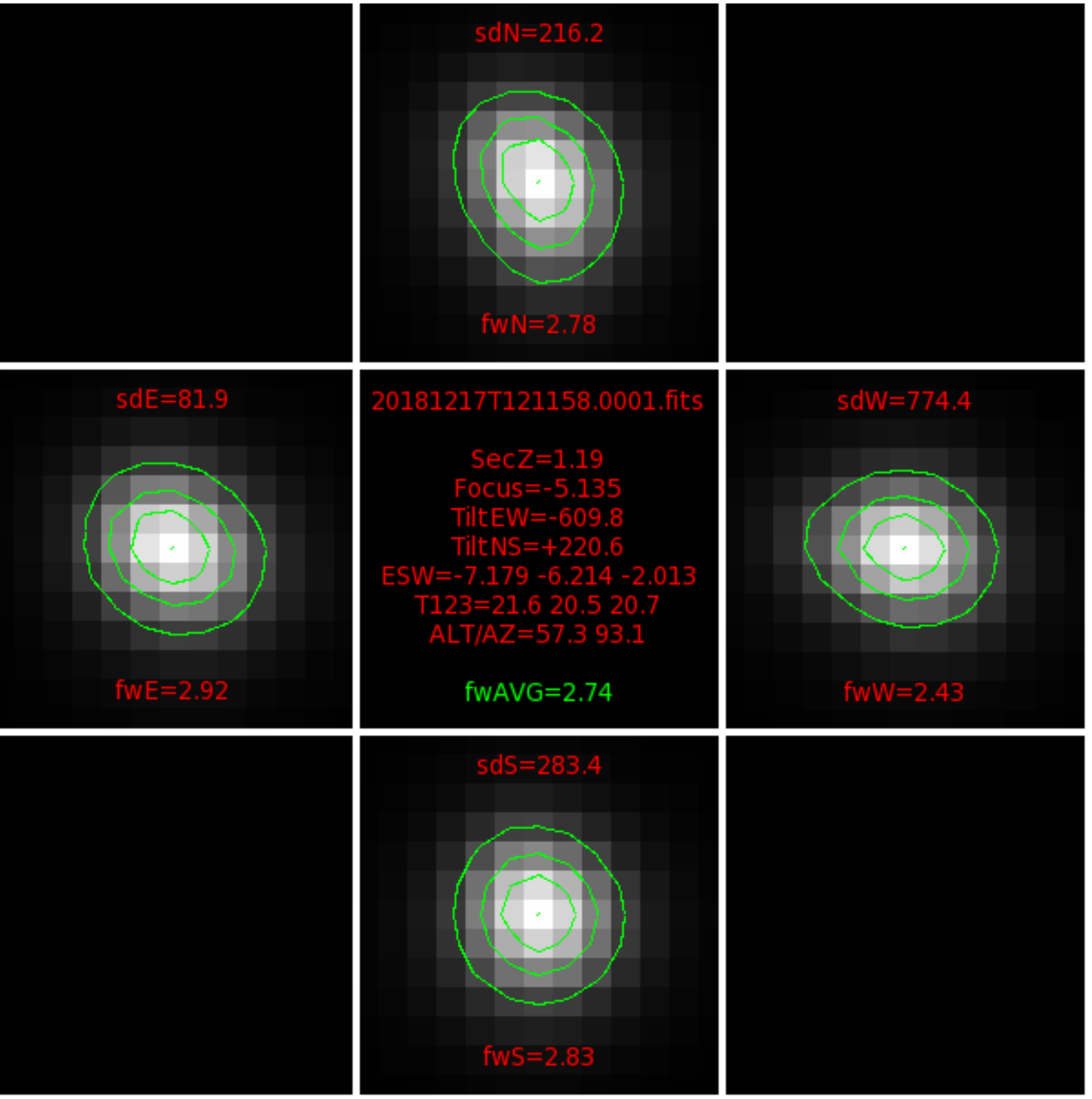
sdN=216.2
fwN=2.78
sdE=81.9
fwE=2.92
20181217T121158.0001.fits
SecZ=1.19
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.6 20.5 20.7
ALT/AZ=57.3 93.1
fwAVG=2.74
sdW=774.4
fwW=2.43
sdS=283.4
fwS=2.83
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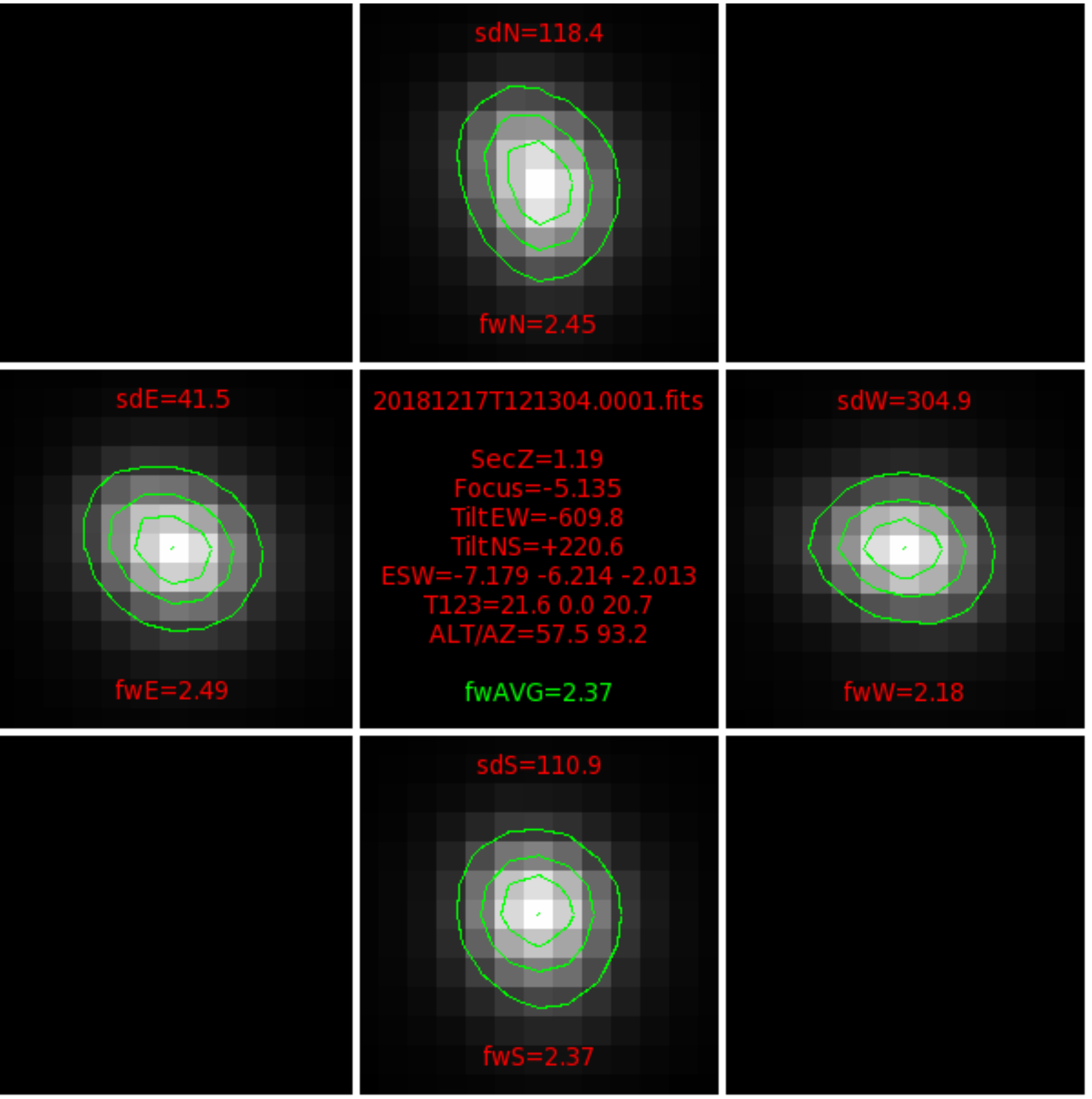
sdN=118.4
fwN=2.45
sdE=41.5
fwE=2.49
20181217T121304.0001.fits
SecZ=1.19
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.6 0.0 20.7
ALT/AZ=57.5 93.2
fwAVG=2.37
sdW=304.9
fwW=2.18
sdS=110.9
fwS=2.37
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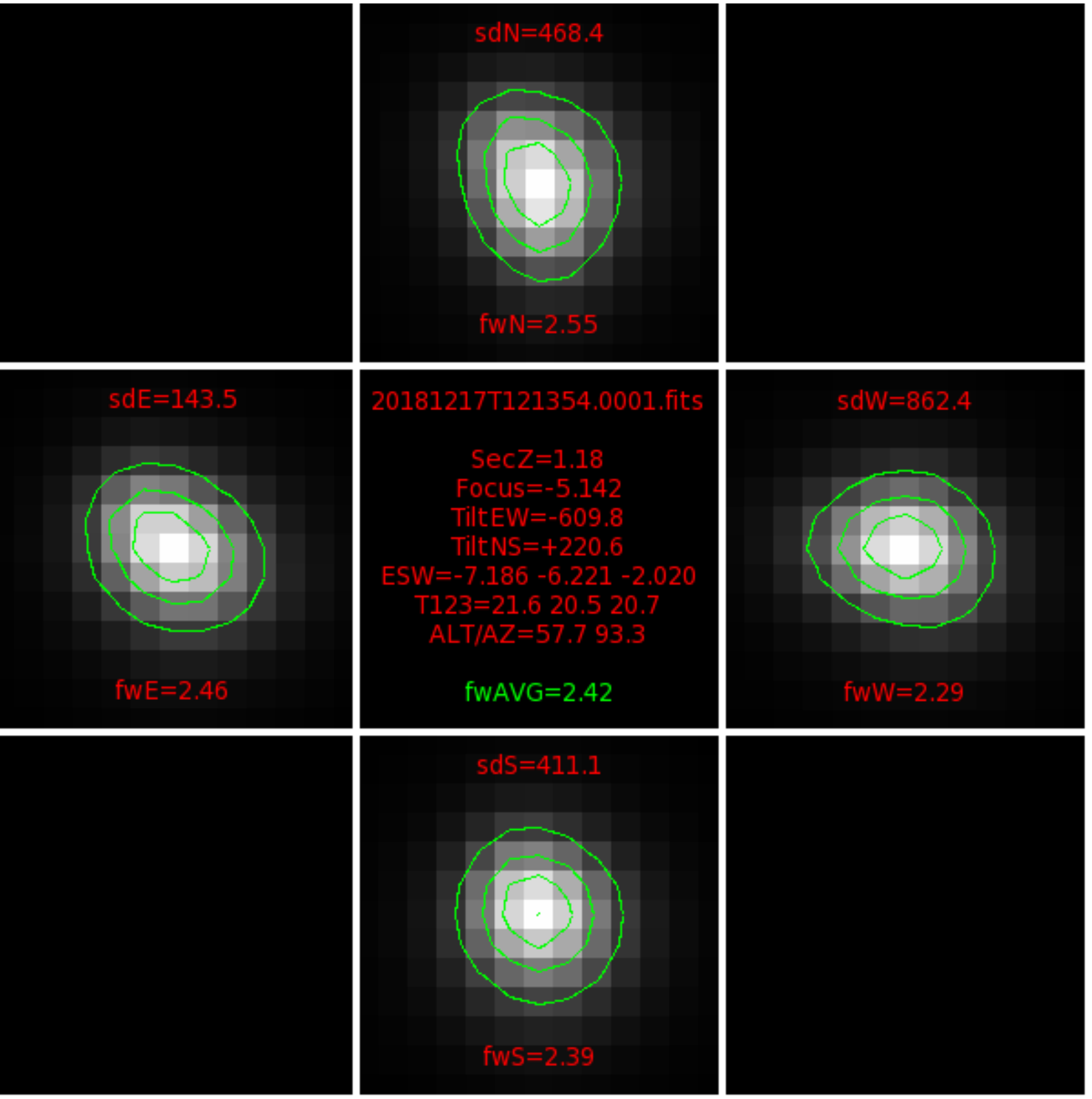
sdN=468.4
fwN=2.55
sdE=143.5
fwE=2.46
20181217T121354.0001.fits
SecZ=1.18
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.6 20.5 20.7
ALT/AZ=57.7 93.3
fwAVG=2.42
sdW=862.4
fwW=2.29
sdS=411.1
fwS=2.39
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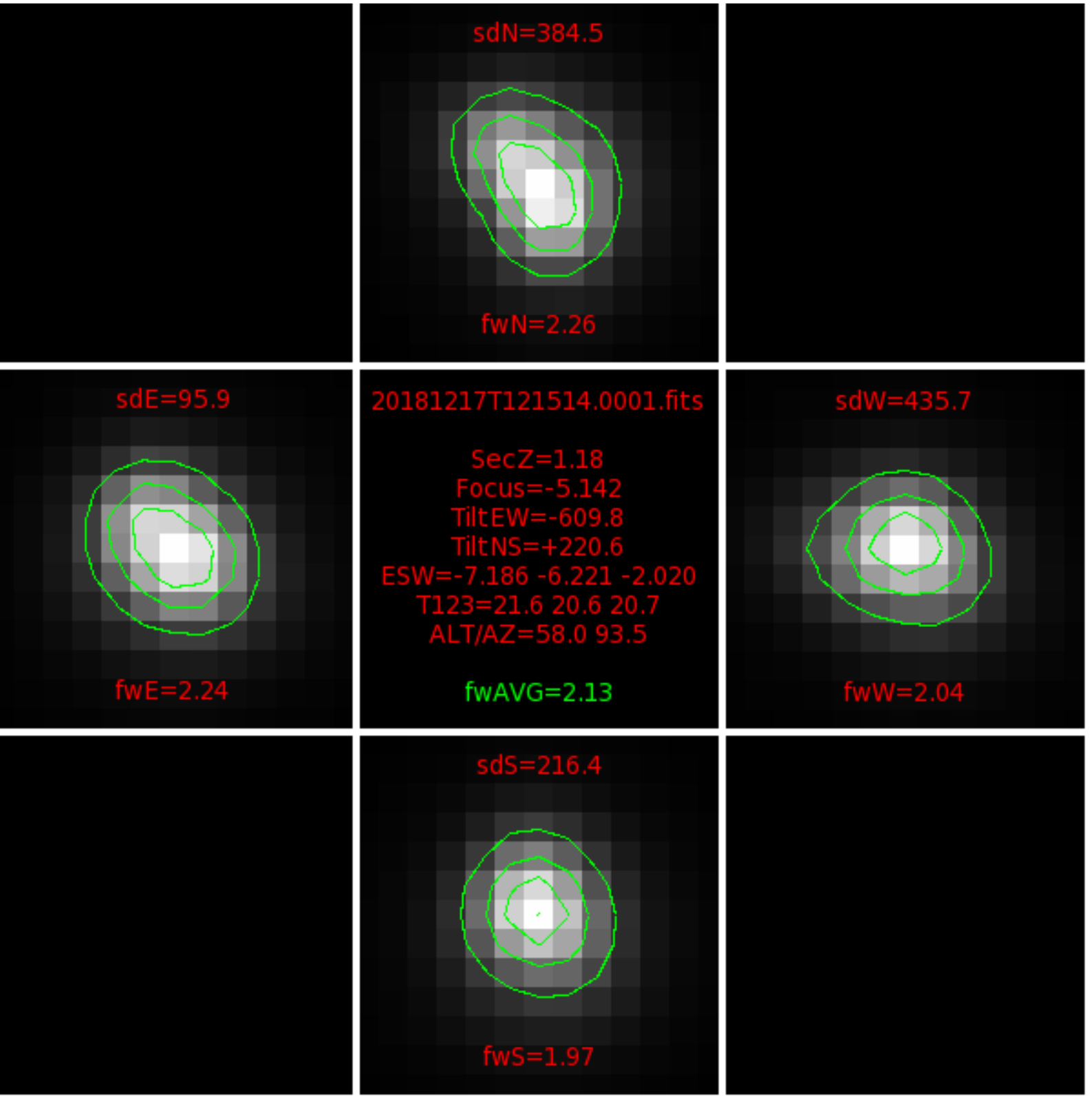
sdN=384.5
fwN=2.26
sdE=95.9
fwE=2.24
20181217T121514.0001.fits
SecZ=1.18
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.6 20.6 20.7
ALT/AZ=58.0 93.5
fwAVG=2.13
sdW=435.7
fwW=2.04
sdS=216.4
fwS=1.97
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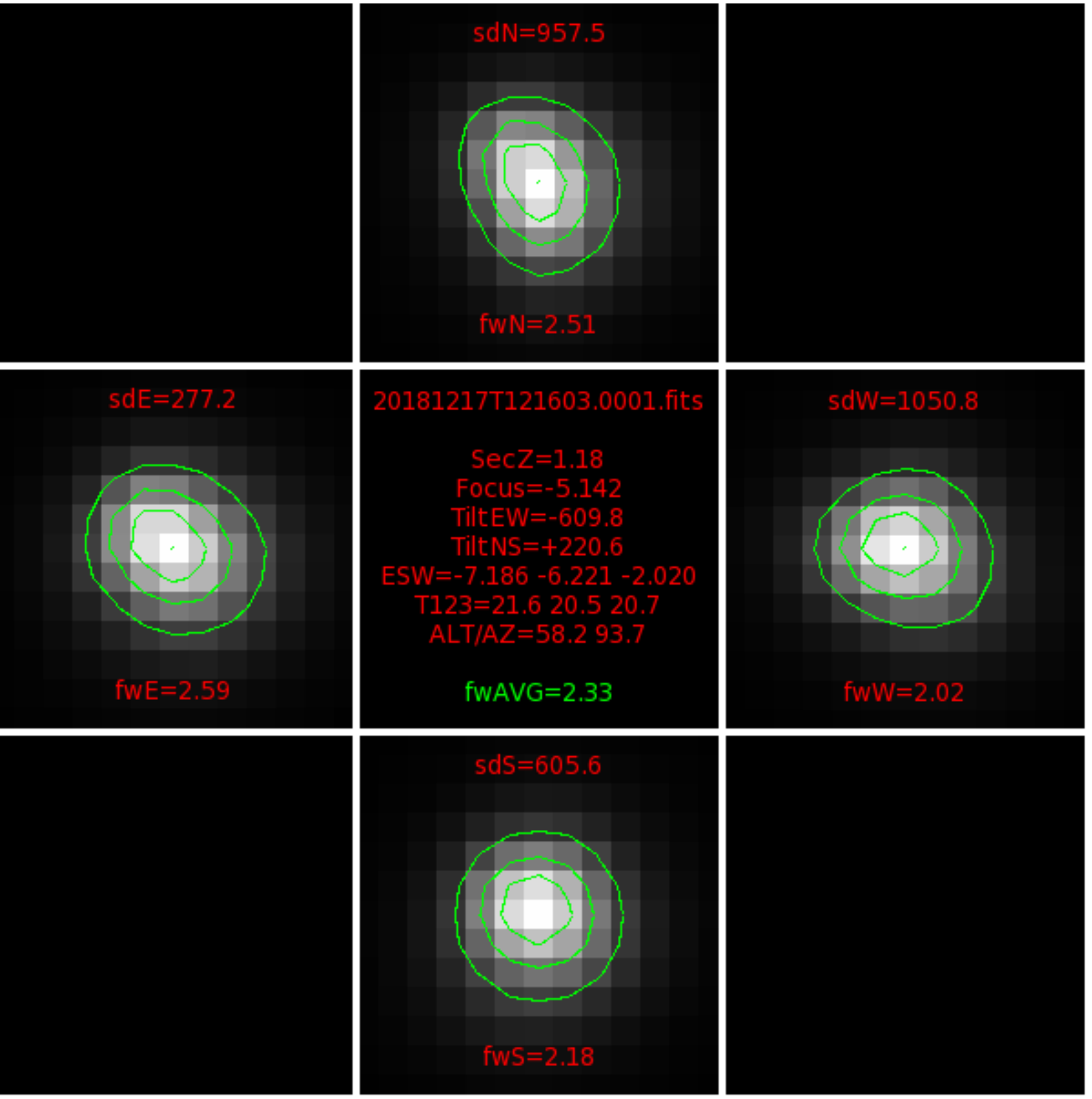
sdN=957.5
fwN=2.51
sdE=277.2
fwE=2.59
20181217T121603.0001.fits
SecZ=1.18
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.6 20.5 20.7
ALT/AZ=58.2 93.7
fwAVG=2.33
sdW=1050.8
fwW=2.02
sdS=605.6
fwS=2.18
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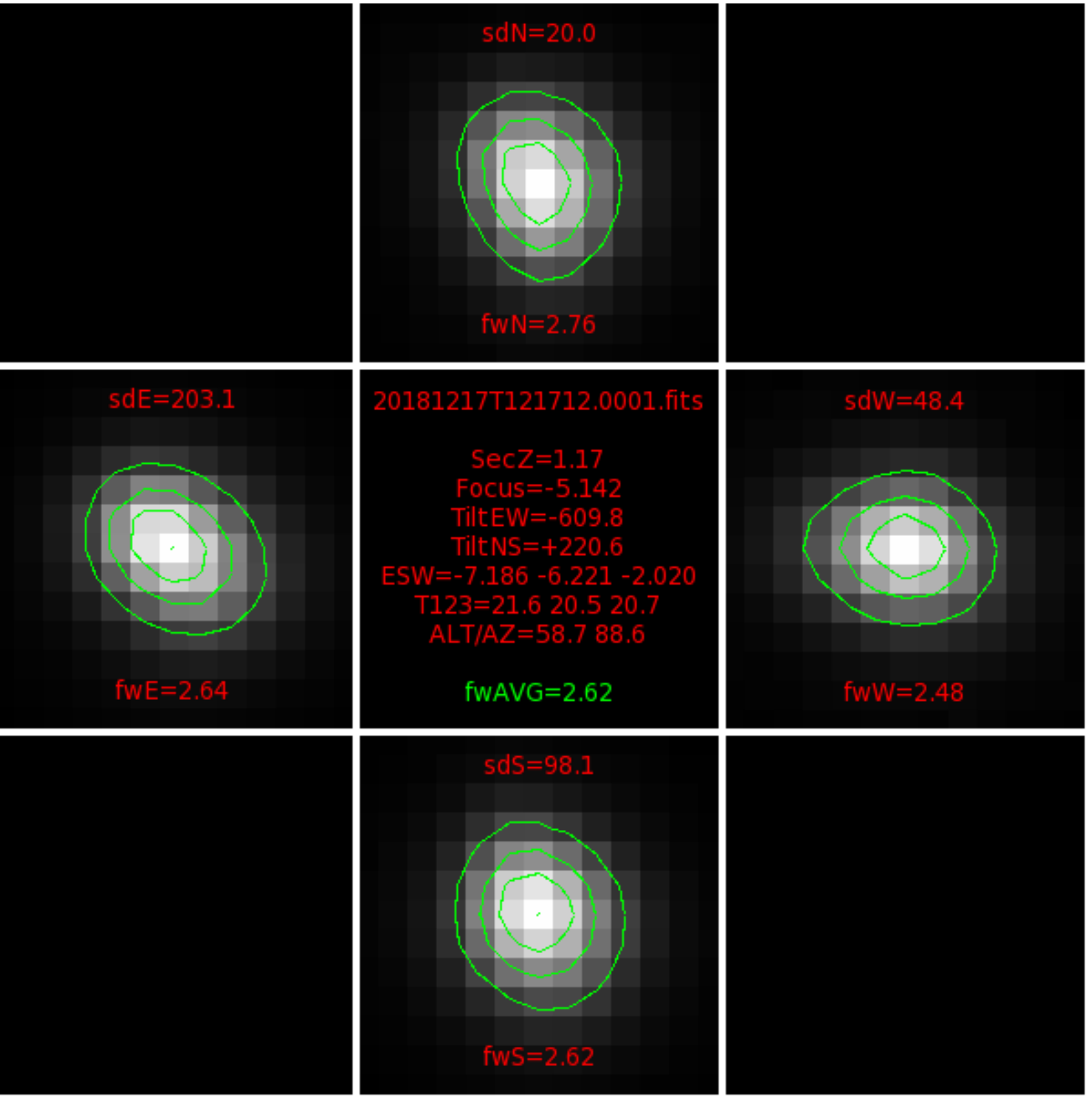
sdN=20.0
fwN=2.76
sdE=203.1
fwE=2.64
20181217T121712.0001.fits
SecZ=1.17
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.6 20.5 20.7
ALT/AZ=58.7 88.6
fwAVG=2.62
sdW=48.4
fwW=2.48
sdS=98.1
fwS=2.62
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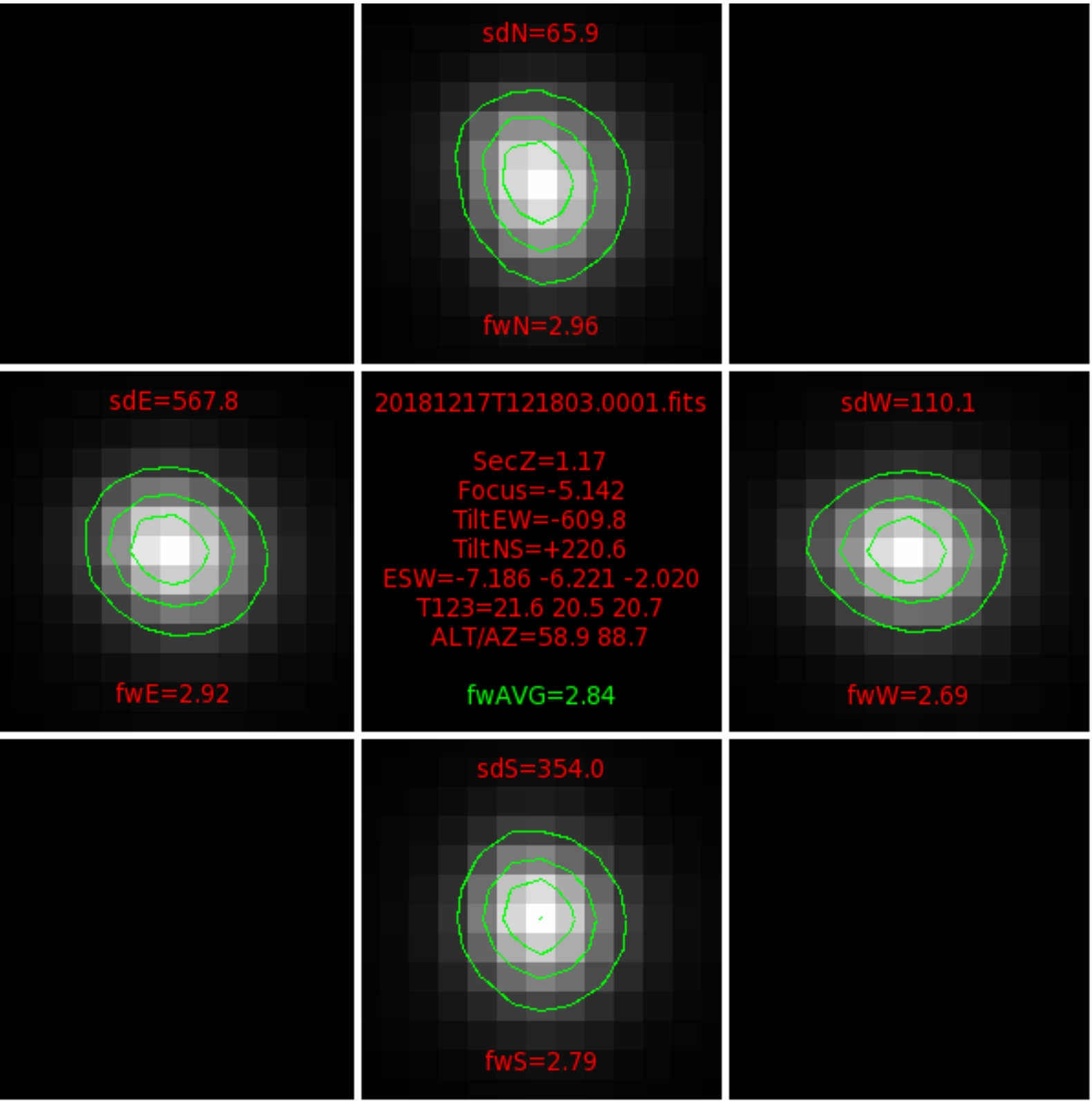
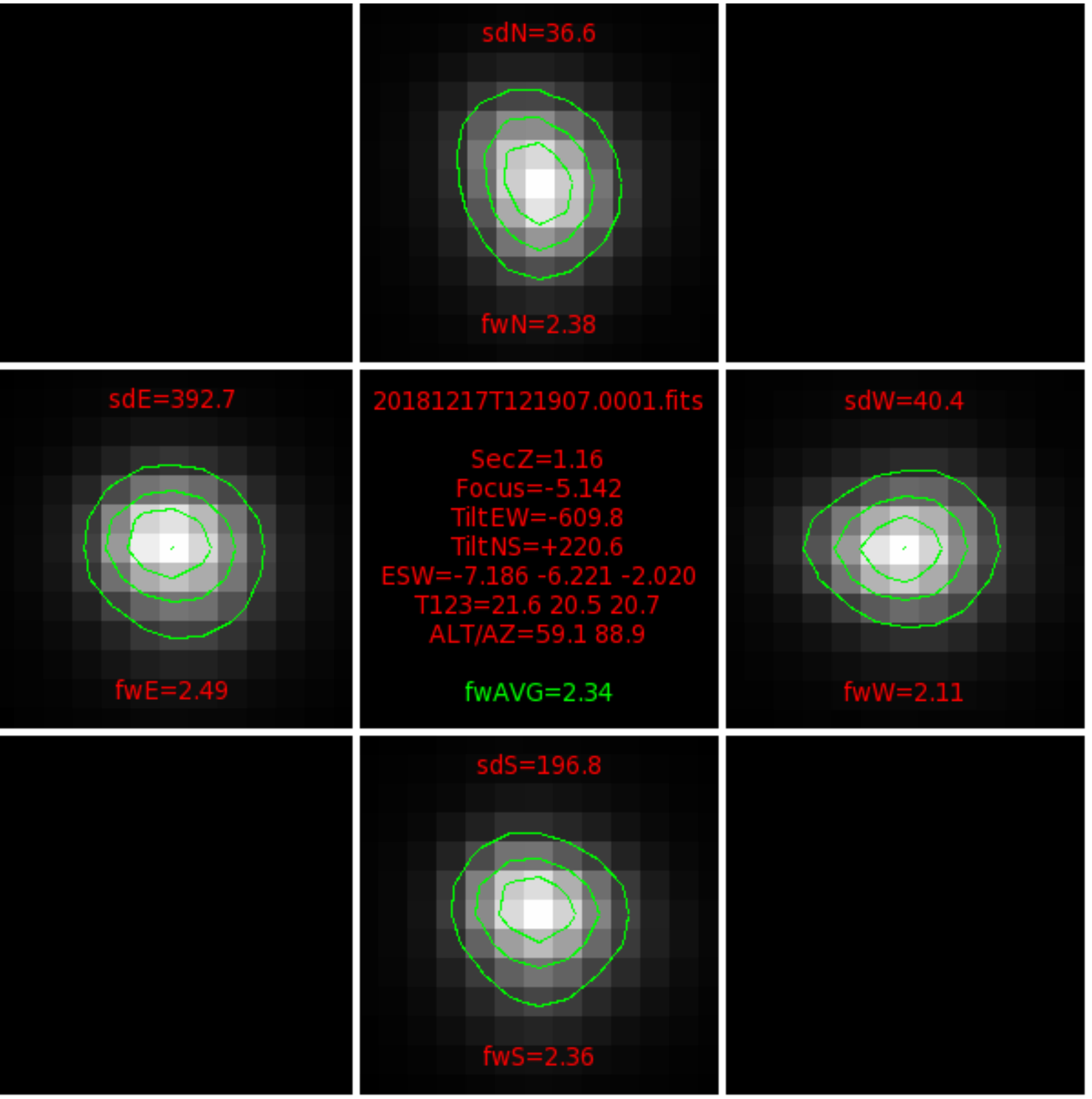

sdN=65.9
fwN=2.96
sdE=567.8
fwE=2.92
20181217T121803.0001.fits
SecZ=1.17
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.6 20.5 20.7
ALT/AZ=58.9 88.7
fwAVG=2.84
sdW=110.1
fwW=2.69
sdS=354.0
fwS=2.79
0 0 0 0 0 0 0 0 0


sdN=36.6
fwN=2.38
sdE=392.7
fwE=2.49
20181217T121907.0001.fits
SecZ=1.16
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.6 20.5 20.7
ALT/AZ=59.1 88.9
fwAVG=2.34
sdW=40.4
fwW=2.11
sdS=196.8
fwS=2.36
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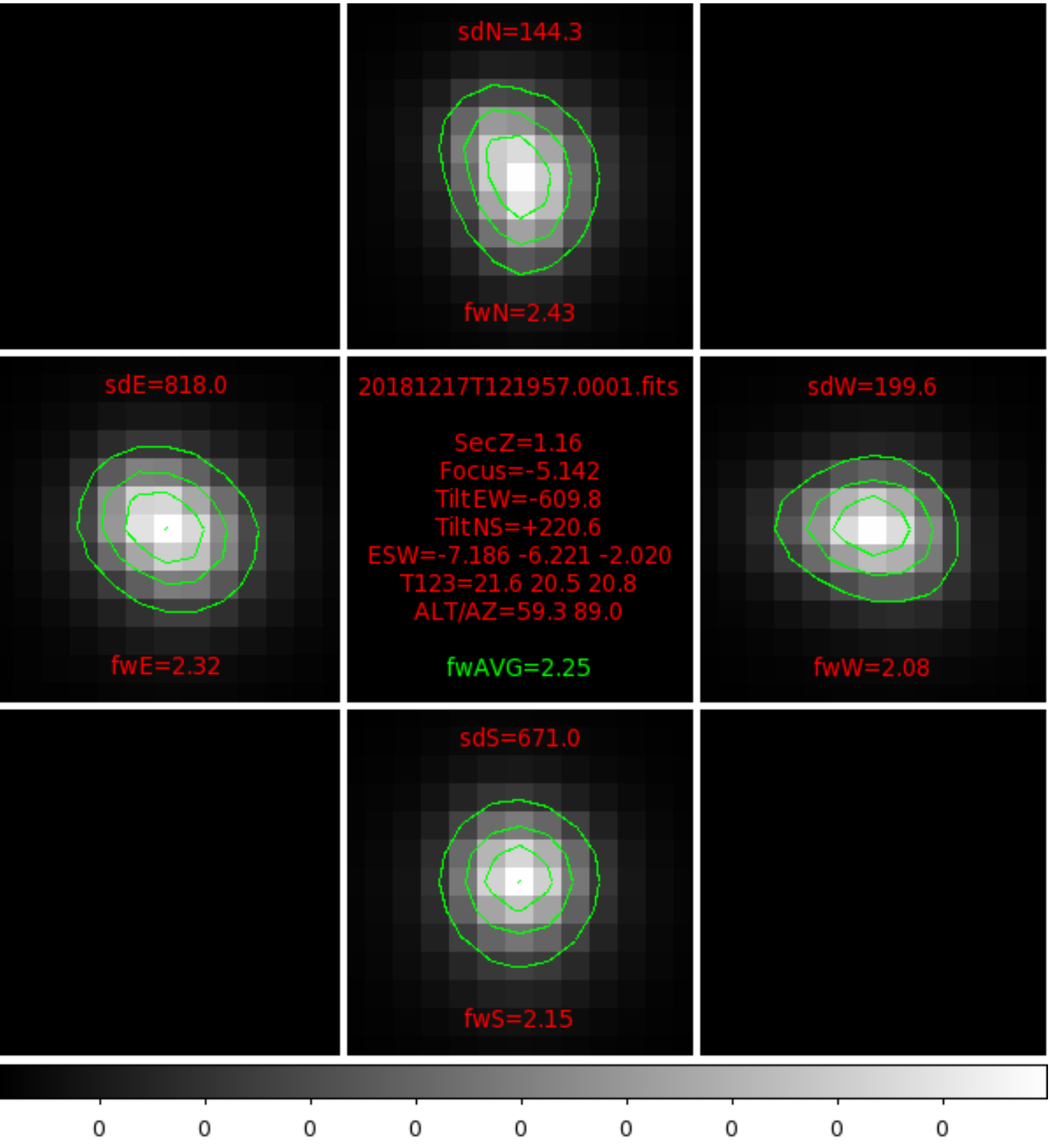
sdN=144.3
fwN=2.43
sdE=818.0
fwE=2.32
20181217T121957.0001.fits
SecZ=1.16
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.6 20.5 20.8
ALT/AZ=59.3 89.0
fwAVG=2.25
sdW=199.6
fwW=2.08
sdS=671.0
fwS=2.15
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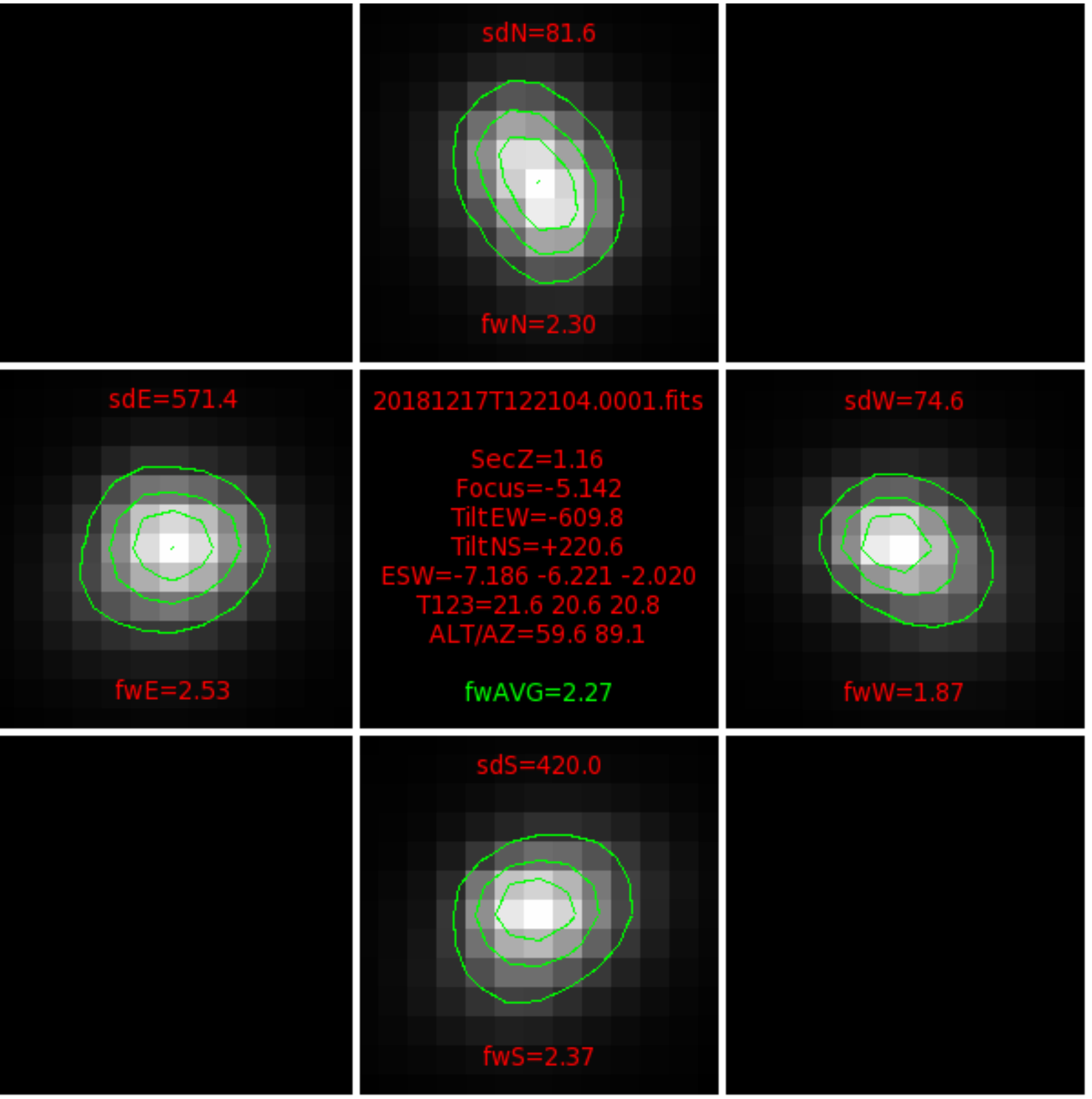
sdN=81.6
fwN=2.30
sdE=571.4
fwE=2.53
20181217T122104.0001.fits
SecZ=1.16
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.6 20.6 20.8
ALT/AZ=59.6 89.1
fwAVG=2.27
sdW=74.6
fwW=1.87
sdS=420.0
fwS=2.37
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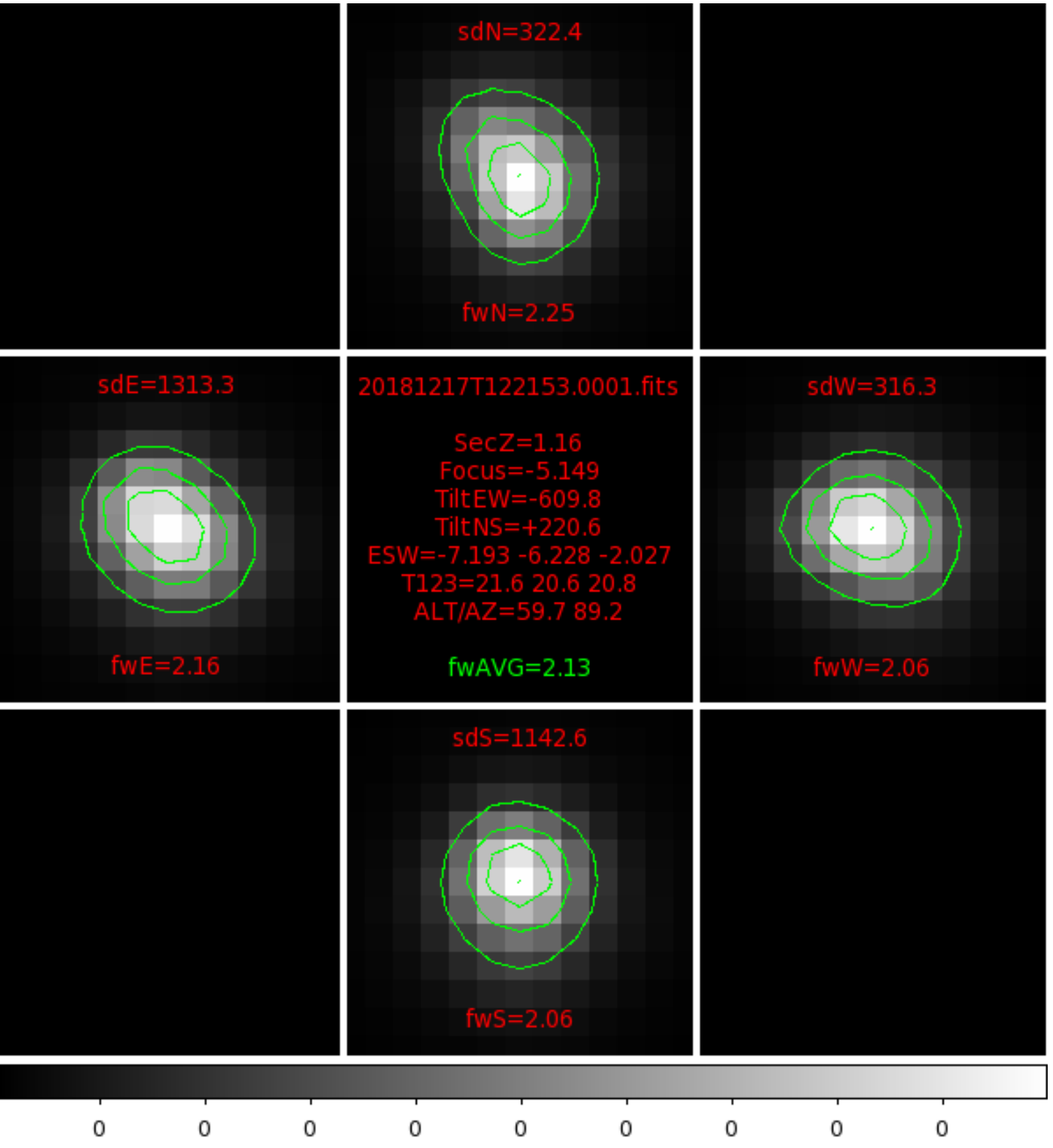
sdN=322.4
fwN=2.25
sdE=1313.3
fwE=2.16
20181217T122153.0001.fits
SecZ=1.16
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.6 20.8
ALT/AZ=59.7 89.2
fwAVG=2.13
sdW=316.3
fwW=2.06
sdS=1142.6
fwS=2.06
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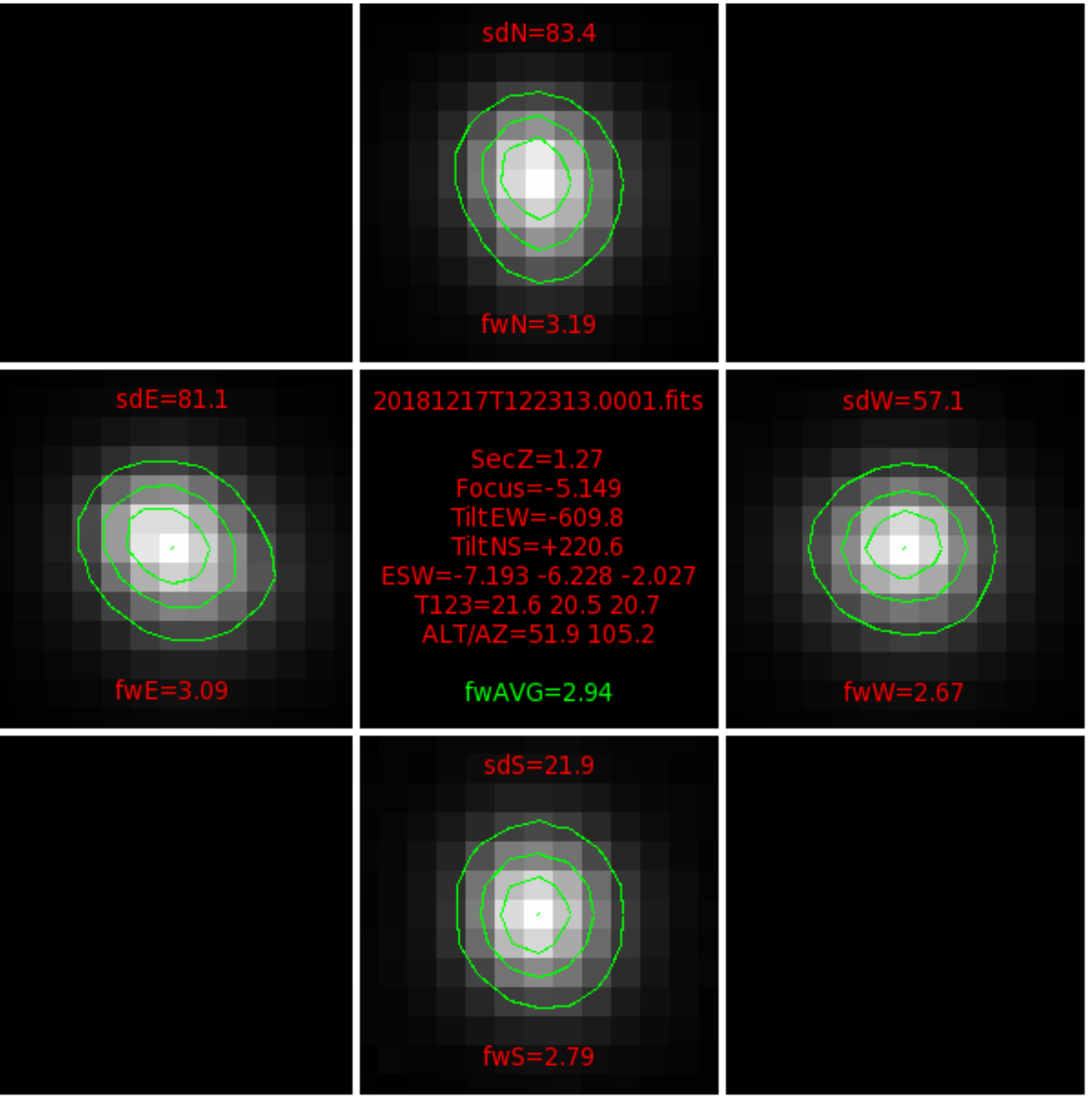
sdN=83.4
fwN=3.19
sdE=81.1
fwE=3.09
20181217T122313.0001.fits
SecZ=1.27
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.5 20.7
ALT/AZ=51.9 105.2
fwAVG=2.94
sdW=57.1
fwW=2.67
sdS=21.9
fwS=2.79
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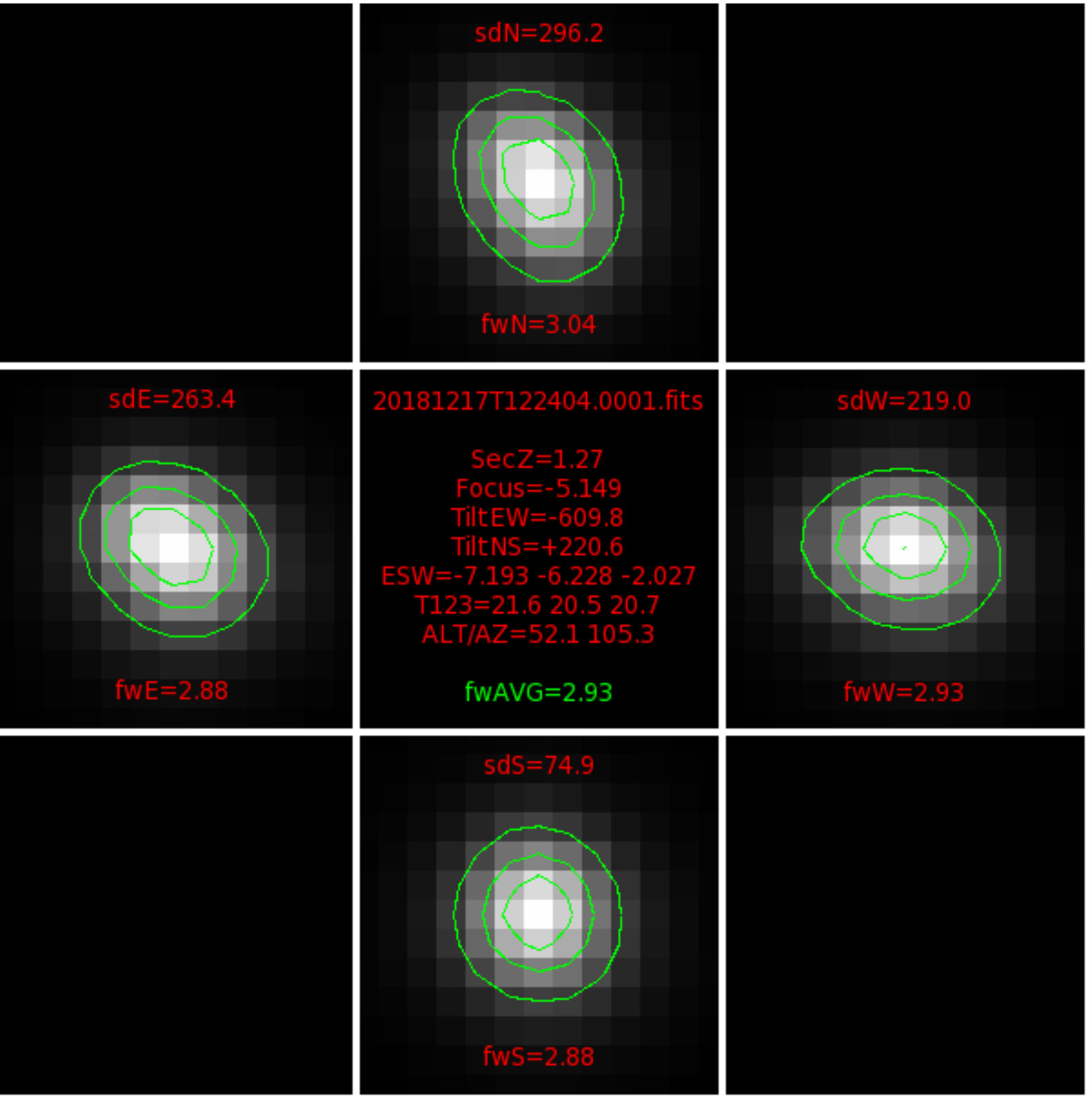
sdN=296.2
fwN=3.04
sdE=263.4
fwE=2.88
20181217T122404.0001.fits
SecZ=1.27
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.5 20.7
ALT/AZ=52.1 105.3
fwAVG=2.93
sdW=219.0
fwW=2.93
sdS=74.9
fwS=2.88
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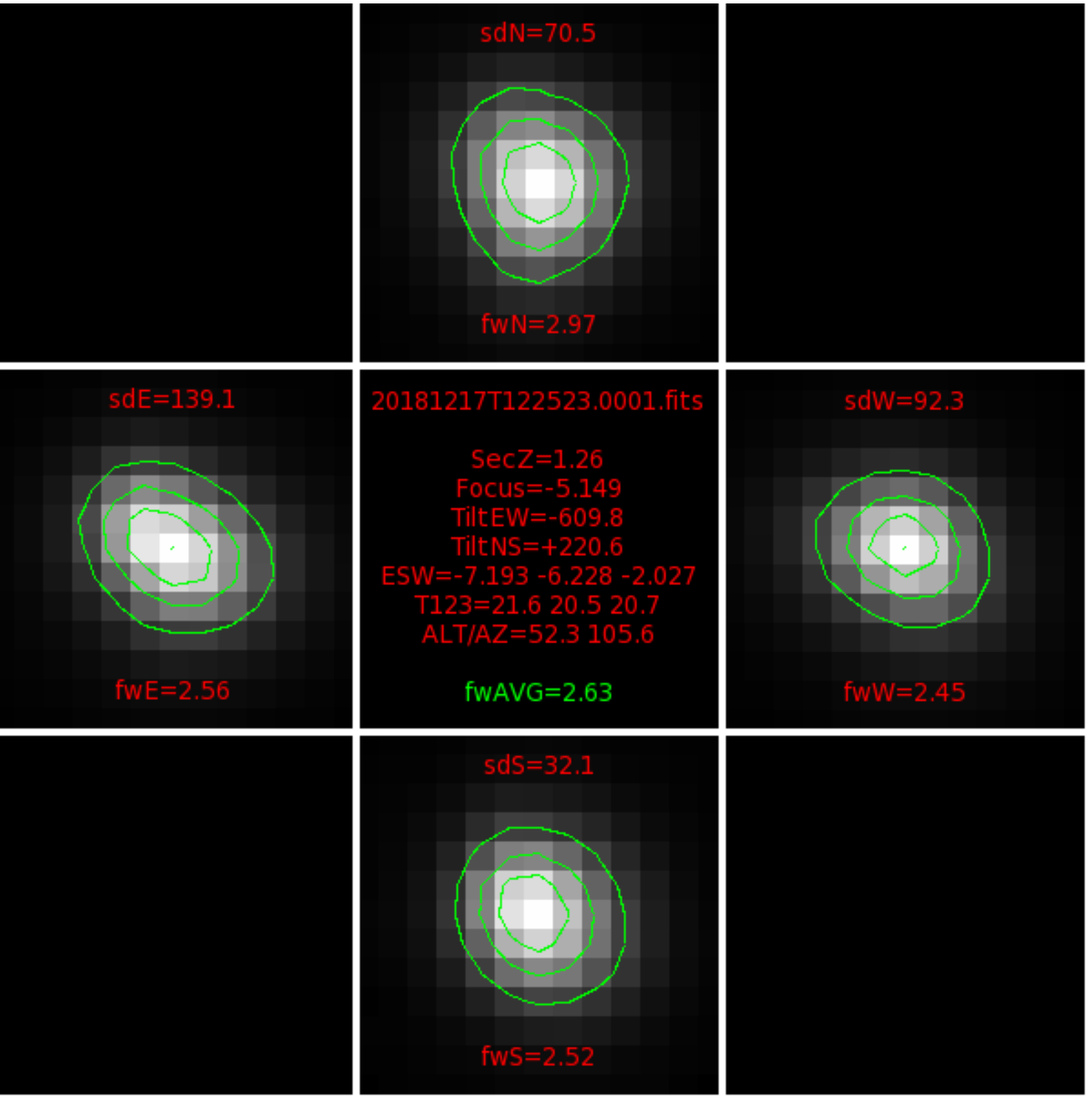
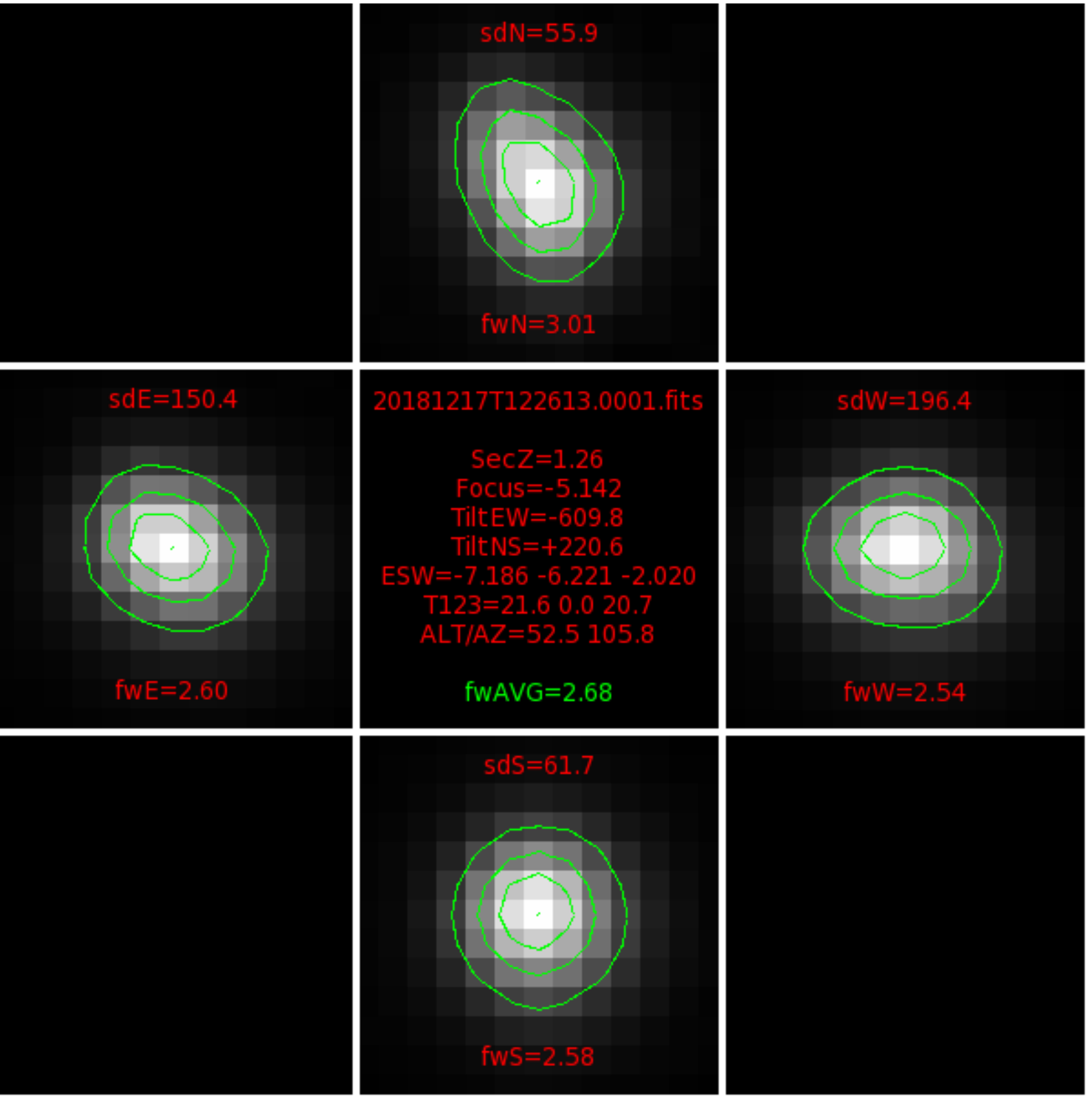

sdN=70.5
fwN=2.97
sdE=139.1
fwE=2.56
20181217T122523.0001.fits
SecZ=1.26
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.5 20.7
ALT/AZ=52.3 105.6
fwAVG=2.63
sdW=92.3
fwW=2.45
sdS=32.1
fwS=2.52
0 0 0 0 0 0 0 0 0


sdN=55.9
fwN=3.01
sdE=150.4
fwE=2.60
20181217T122613.0001.fits
SecZ=1.26
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.6 0.0 20.7
ALT/AZ=52.5 105.8
fwAVG=2.68
sdW=196.4
fwW=2.54
sdS=61.7
fwS=2.58
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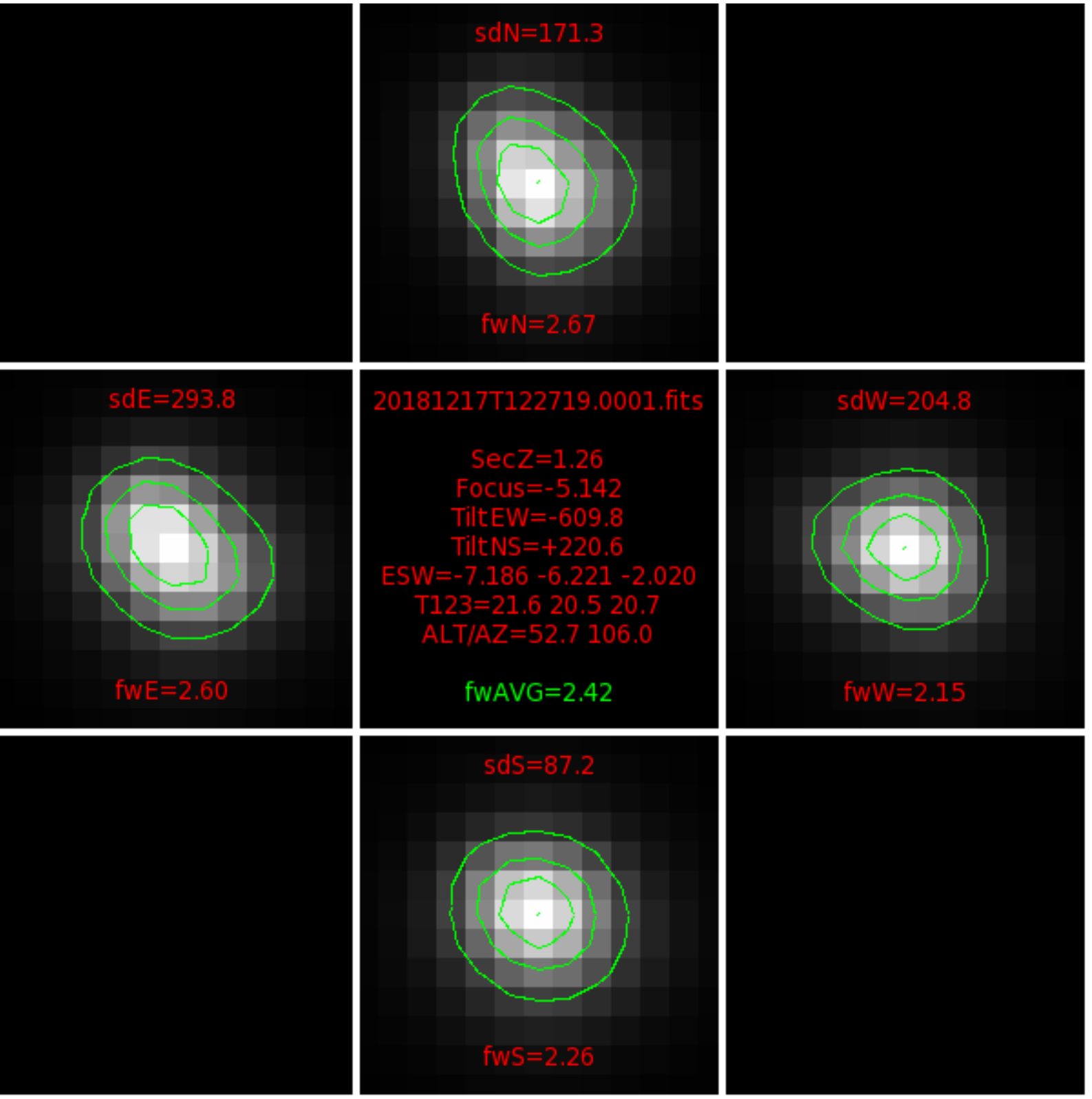
sdN=171.3
fwN=2.67
sdE=293.8
fwE=2.60
20181217T122719.0001.fits
SecZ=1.26
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.6 20.5 20.7
ALT/AZ=52.7 106.0
fwAVG=2.42
sdW=204.8
fwW=2.15
sdS=87.2
fwS=2.26
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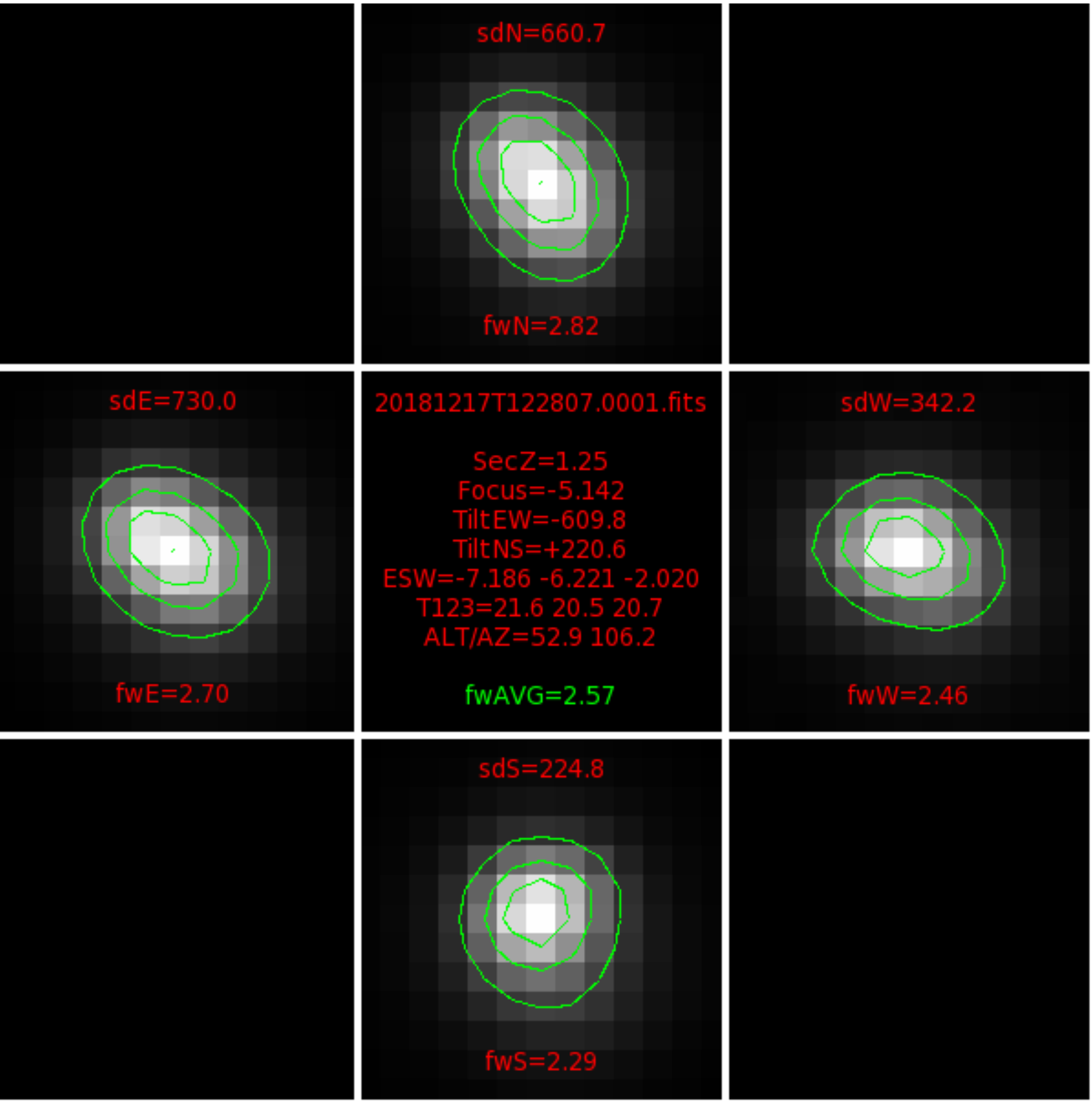
sdN=660.7
fwN=2.82
sdE=730.0
fwE=2.70
20181217T122807.0001.fits
SecZ=1.25
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.6 20.5 20.7
ALT/AZ=52.9 106.2
fwAVG=2.57
sdW=342.2
fwW=2.46
sdS=224.8
fwS=2.29
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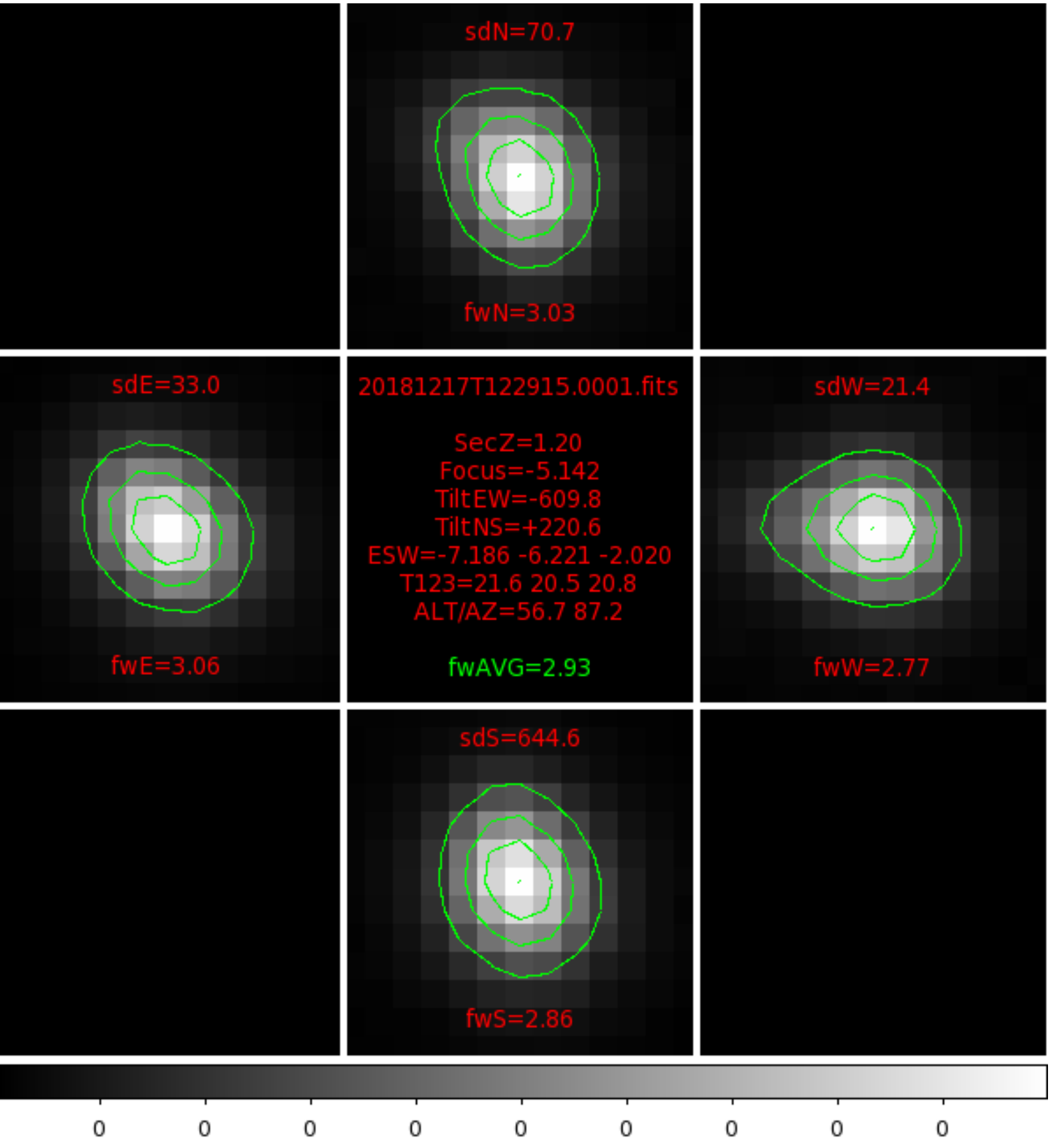
sdN=70.7
fwN=3.03
sdE=33.0
fwE=3.06
20181217T122915.0001.fits
SecZ=1.20
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.6 20.5 20.8
ALT/AZ=56.7 87.2
fwAVG=2.93
sdW=21.4
fwW=2.77
sdS=644.6
fwS=2.86
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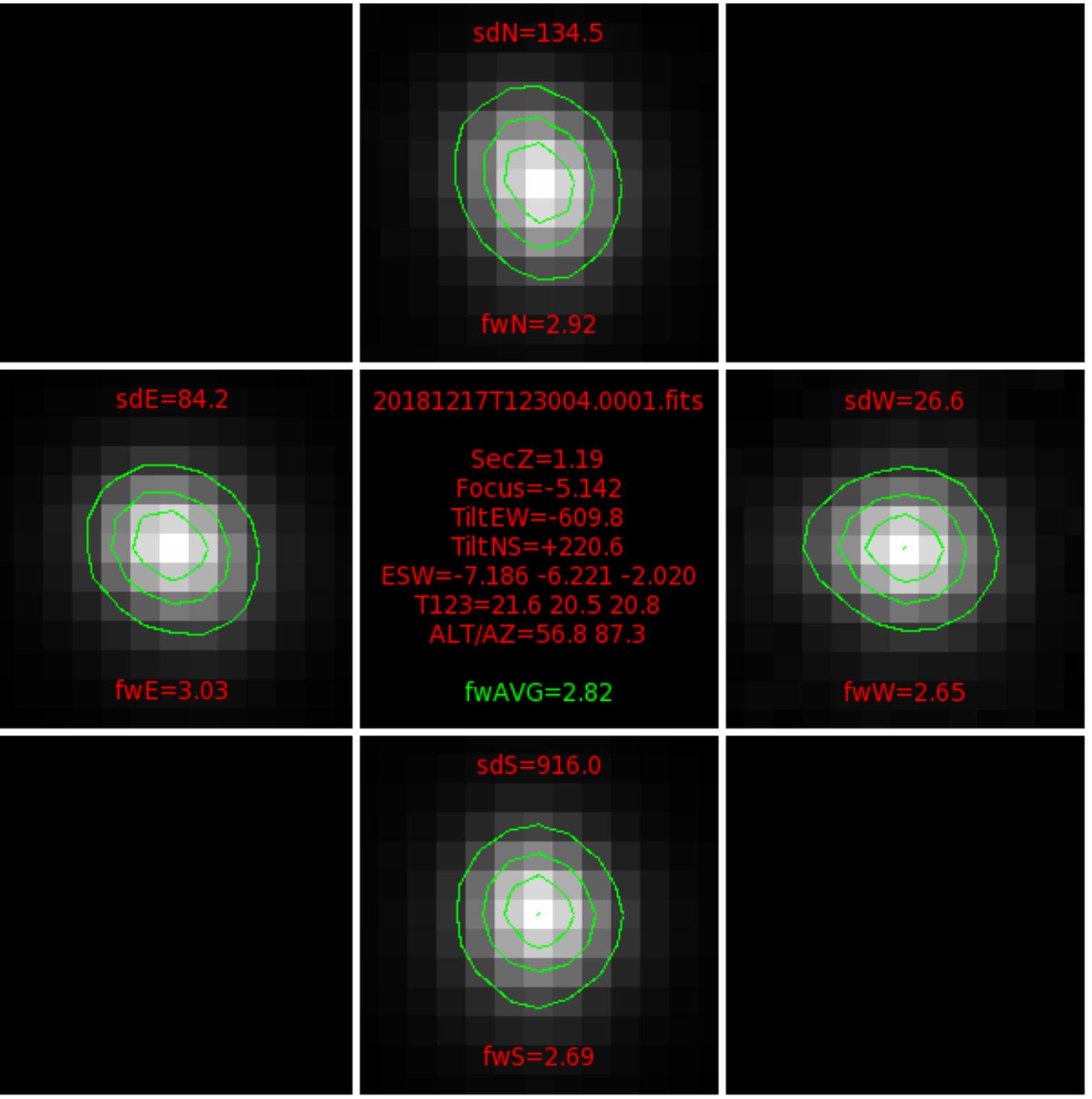
sdN=134.5
fwN=2.92
sdE=84.2
fwE=3.03
20181217T123004.0001.fits
SecZ=1.19
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.6 20.5 20.8
ALT/AZ=56.8 87.3
fwAVG=2.82
sdW=26.6
fwW=2.65
sdS=916.0
fwS=2.69
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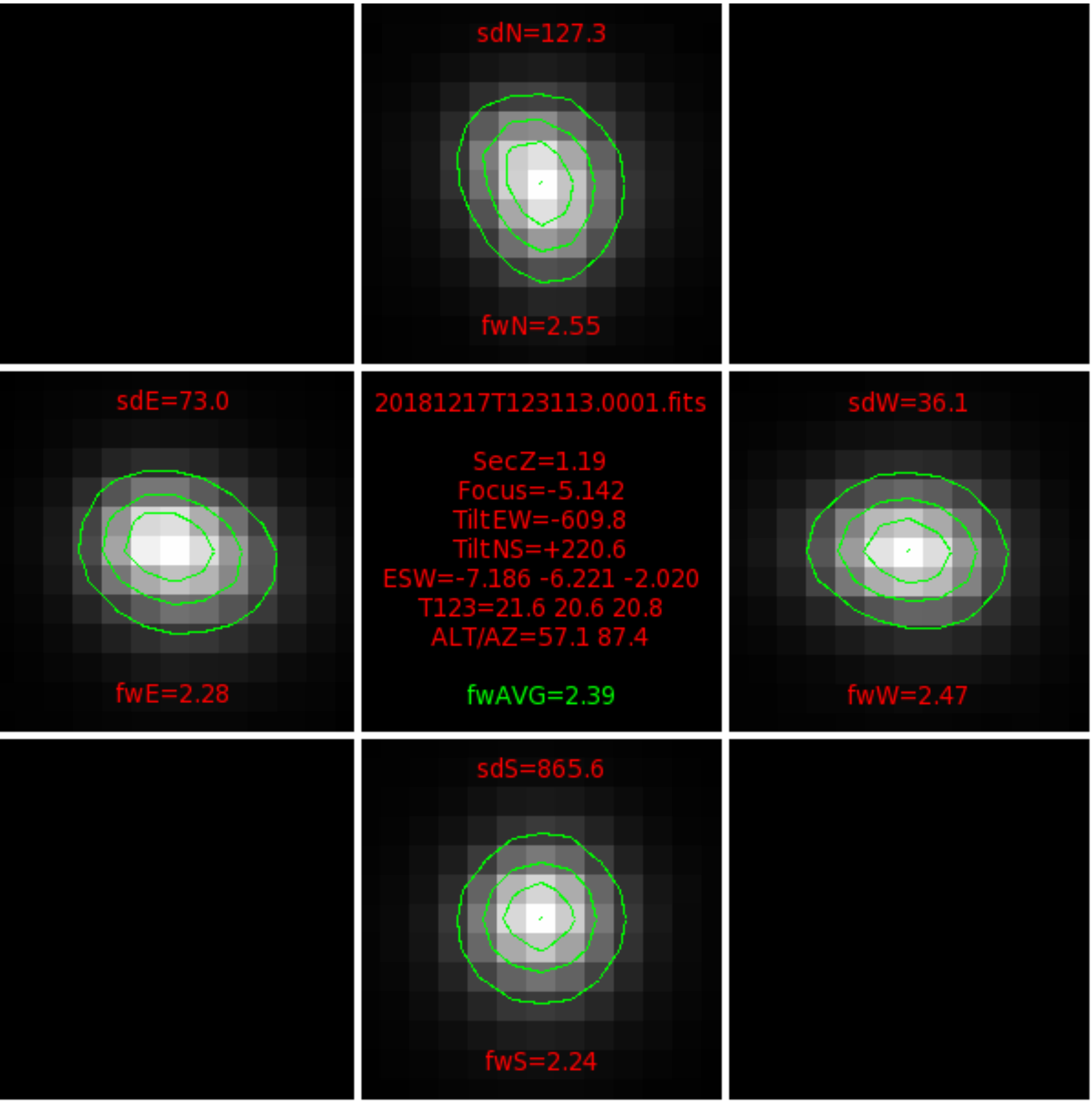
sdN=127.3
fwN=2.55
sdE=73.0
fwE=2.28
20181217T123113.0001.fits
SecZ=1.19
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.6 20.6 20.8
ALT/AZ=57.1 87.4
fwAVG=2.39
sdW=36.1
fwW=2.47
sdS=865.6
fwS=2.24
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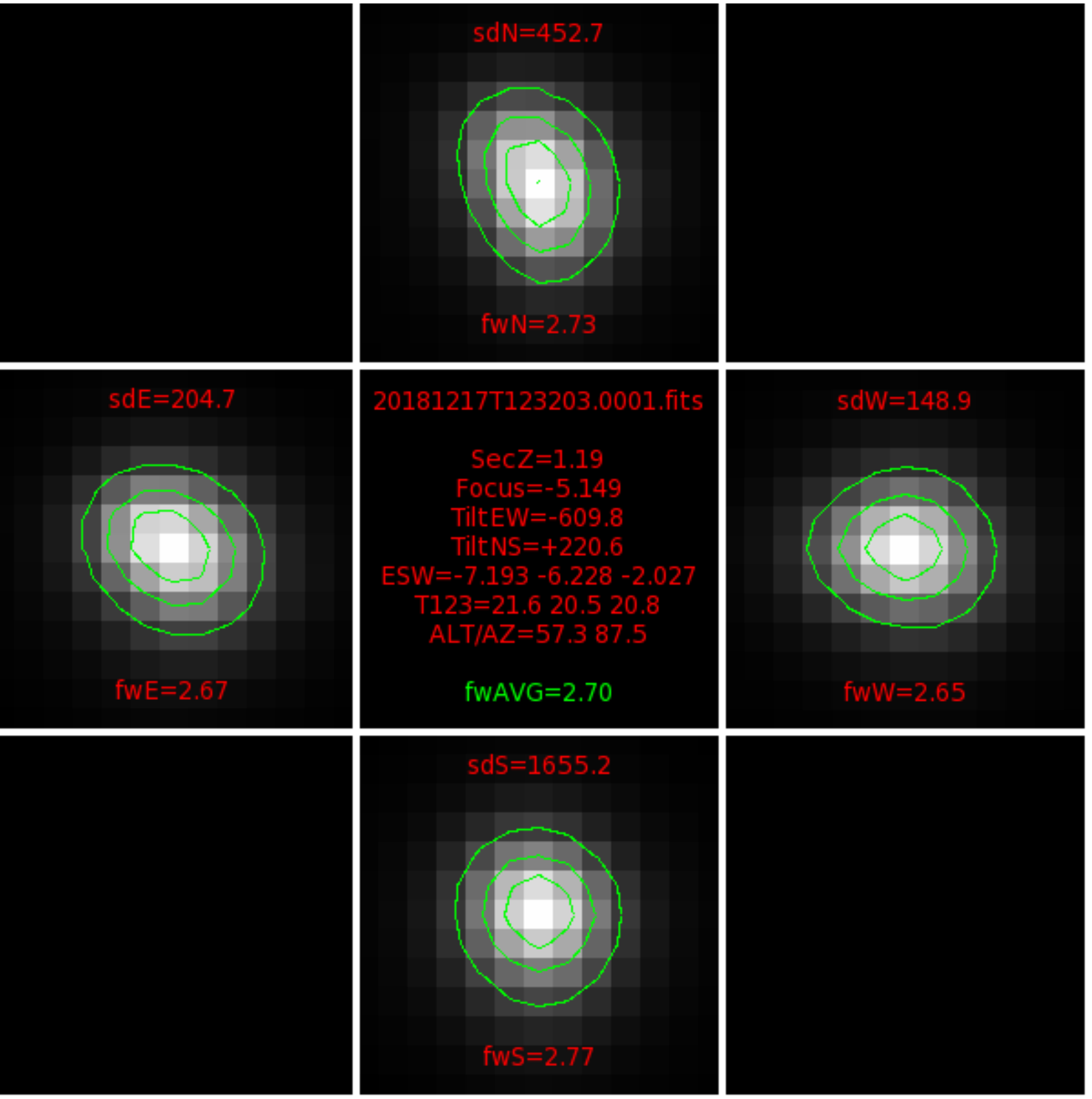
sdN=452.7
fwN=2.73
sdE=204.7
fwE=2.67
20181217T123203.0001.fits
SecZ=1.19
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.5 20.8
ALT/AZ=57.3 87.5
fwAVG=2.70
sdW=148.9
fwW=2.65
sdS=1655.2
fwS=2.77
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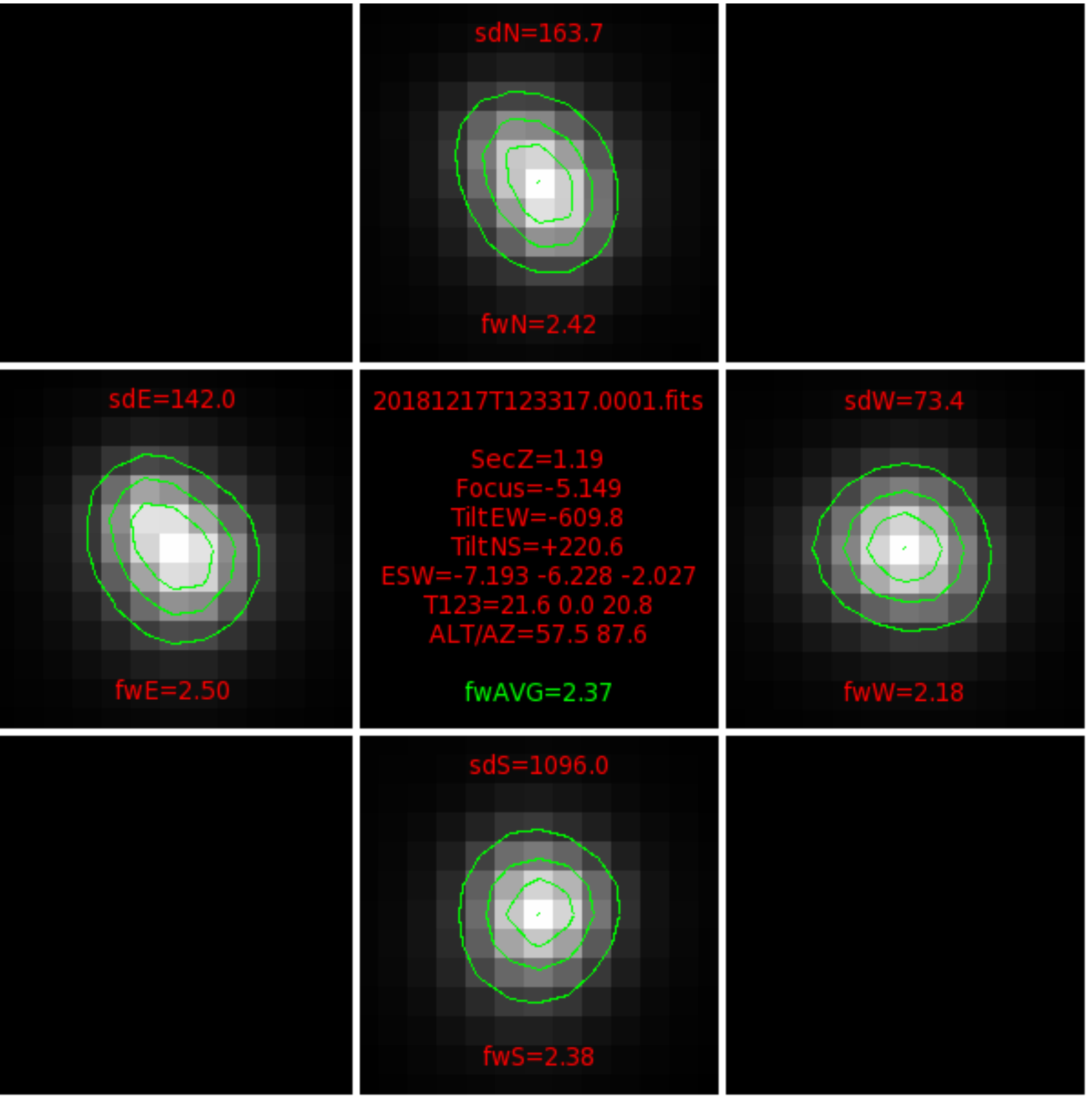
sdN=163.7
fwN=2.42
sdE=142.0
fwE=2.50
20181217T123317.0001.fits
SecZ=1.19
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 0.0 20.8
ALT/AZ=57.5 87.6
fwAVG=2.37
sdW=73.4
fwW=2.18
sdS=1096.0
fwS=2.38
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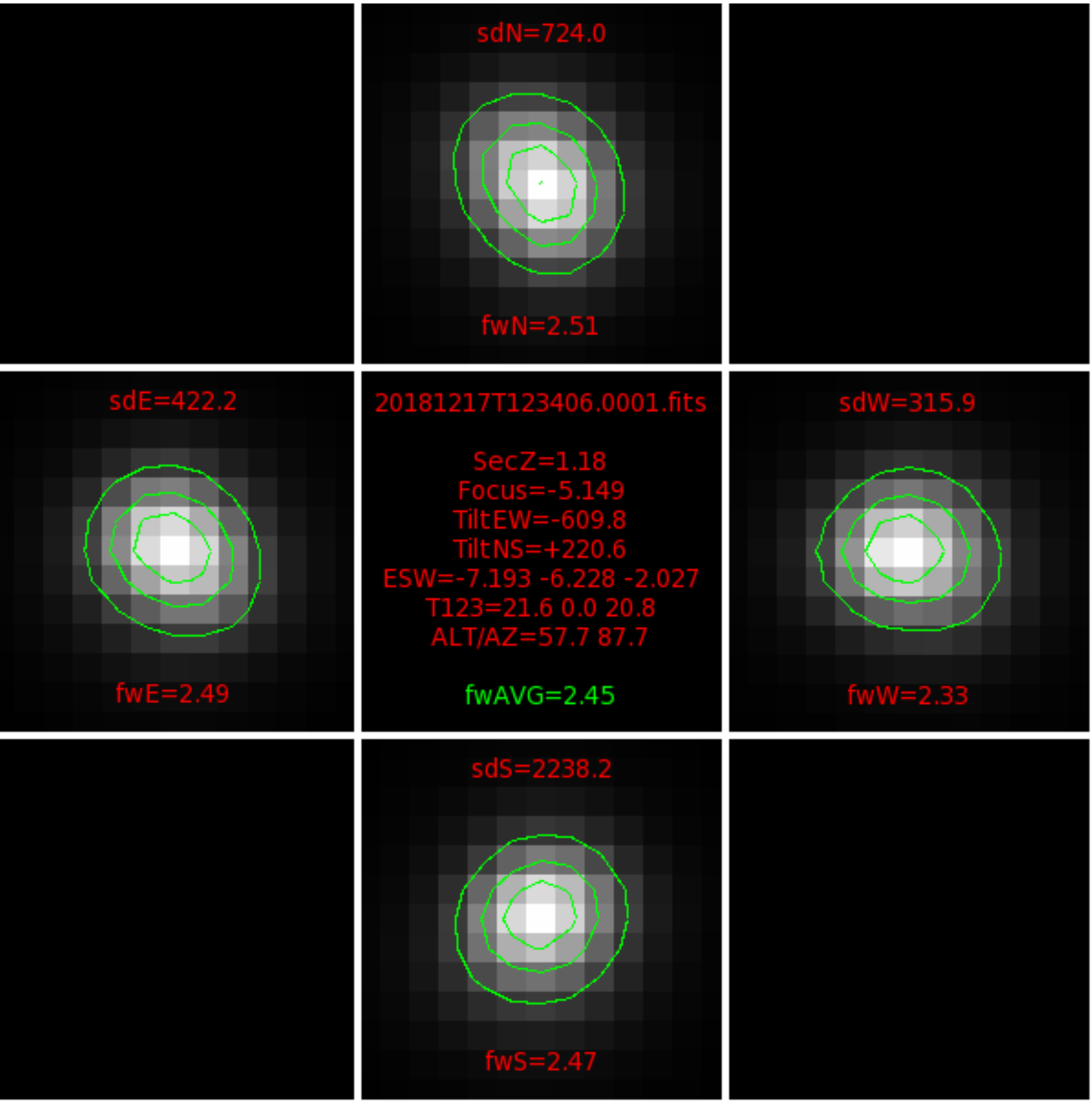
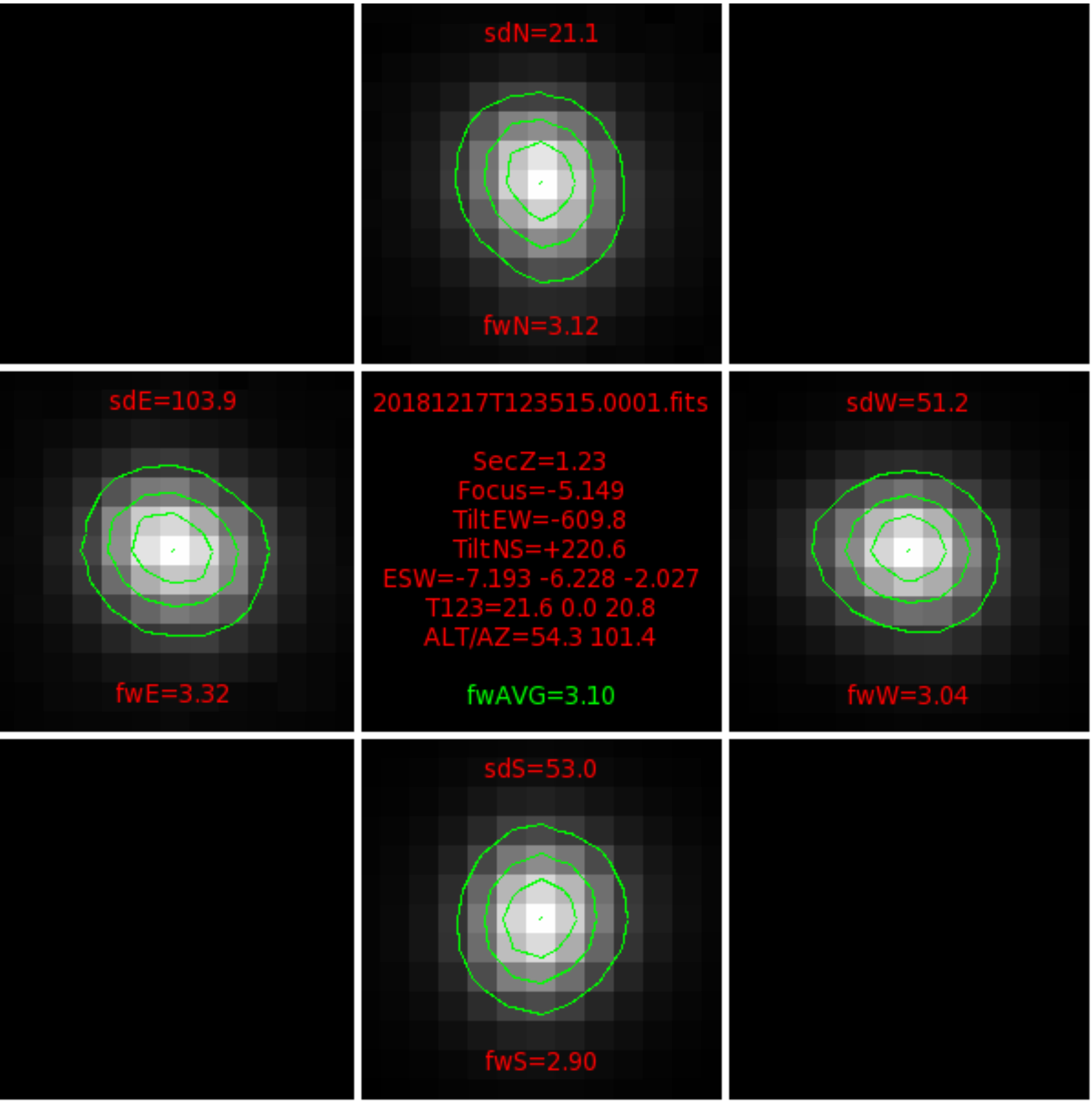
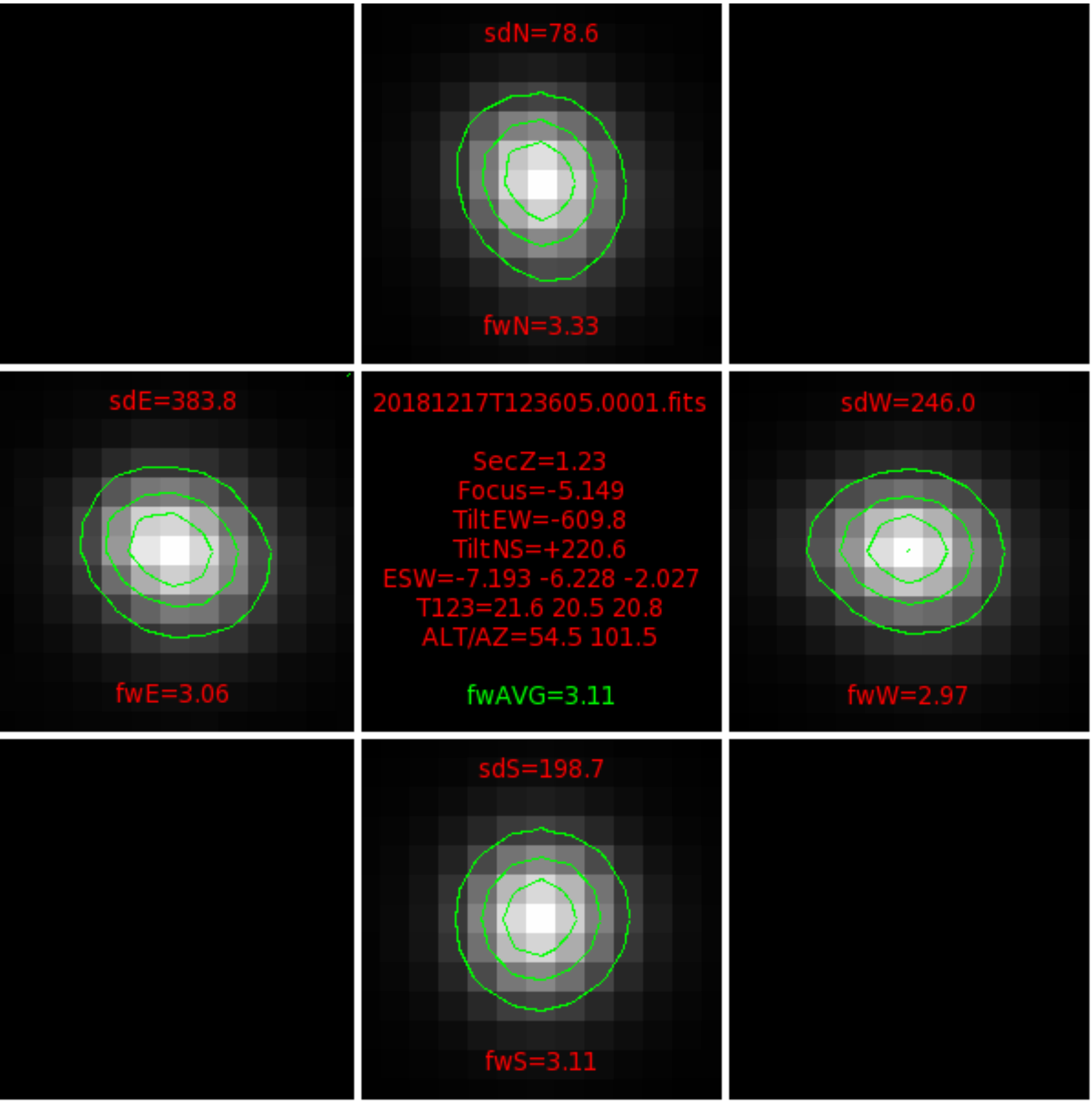

sdN=724.0
fwN=2.51
sdE=422.2
fwE=2.49
20181217T123406.0001.fits
SecZ=1.18
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 0.0 20.8
ALT/AZ=57.7 87.7
fwAVG=2.45
sdW=315.9
fwW=2.33
sdS=2238.2
fwS=2.47
0 0 0 0 0 0 0 0 0


sdN=21.1
fwN=3.12
sdE=103.9
fwE=3.32
20181217T123515.0001.fits
SecZ=1.23
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 0.0 20.8
ALT/AZ=54.3 101.4
fwAVG=3.10
sdW=51.2
fwW=3.04
sdS=53.0
fwS=2.90
0 0 0 0 0 0 0 0 0


sdN=78.6
fwN=3.33
sdE=383.8
fwE=3.06
20181217T123605.0001.fits
SecZ=1.23
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.5 20.8
ALT/AZ=54.5 101.5
fwAVG=3.11
sdW=246.0
fwW=2.97
sdS=198.7
fwS=3.11
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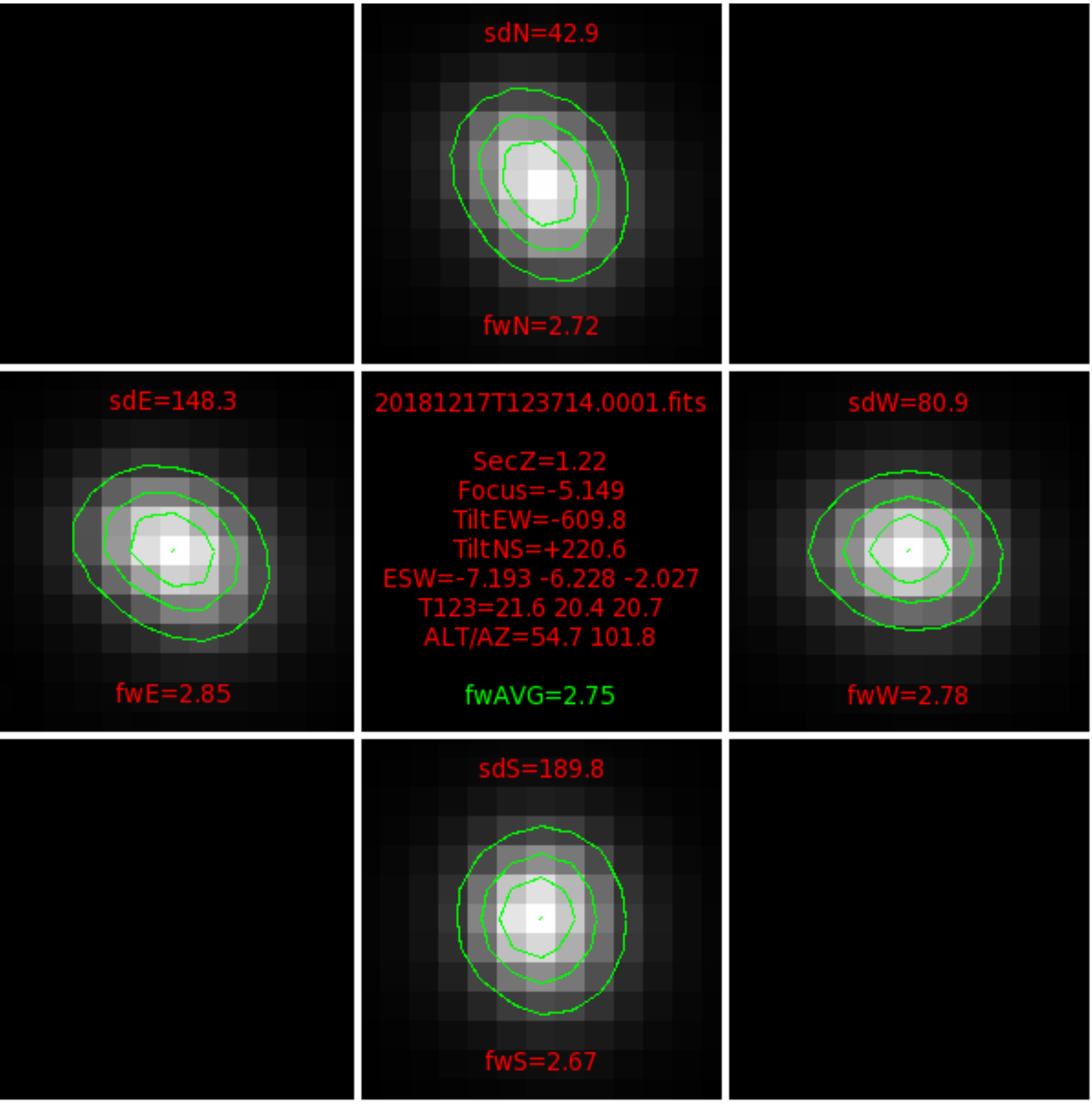
sdN=42.9
fwN=2.72
sdE=148.3
fwE=2.85
20181217T123714.0001.fits
SecZ=1.22
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.4 20.7
ALT/AZ=54.7 101.8
fwAVG=2.75
sdW=80.9
fwW=2.78
sdS=189.8
fwS=2.67
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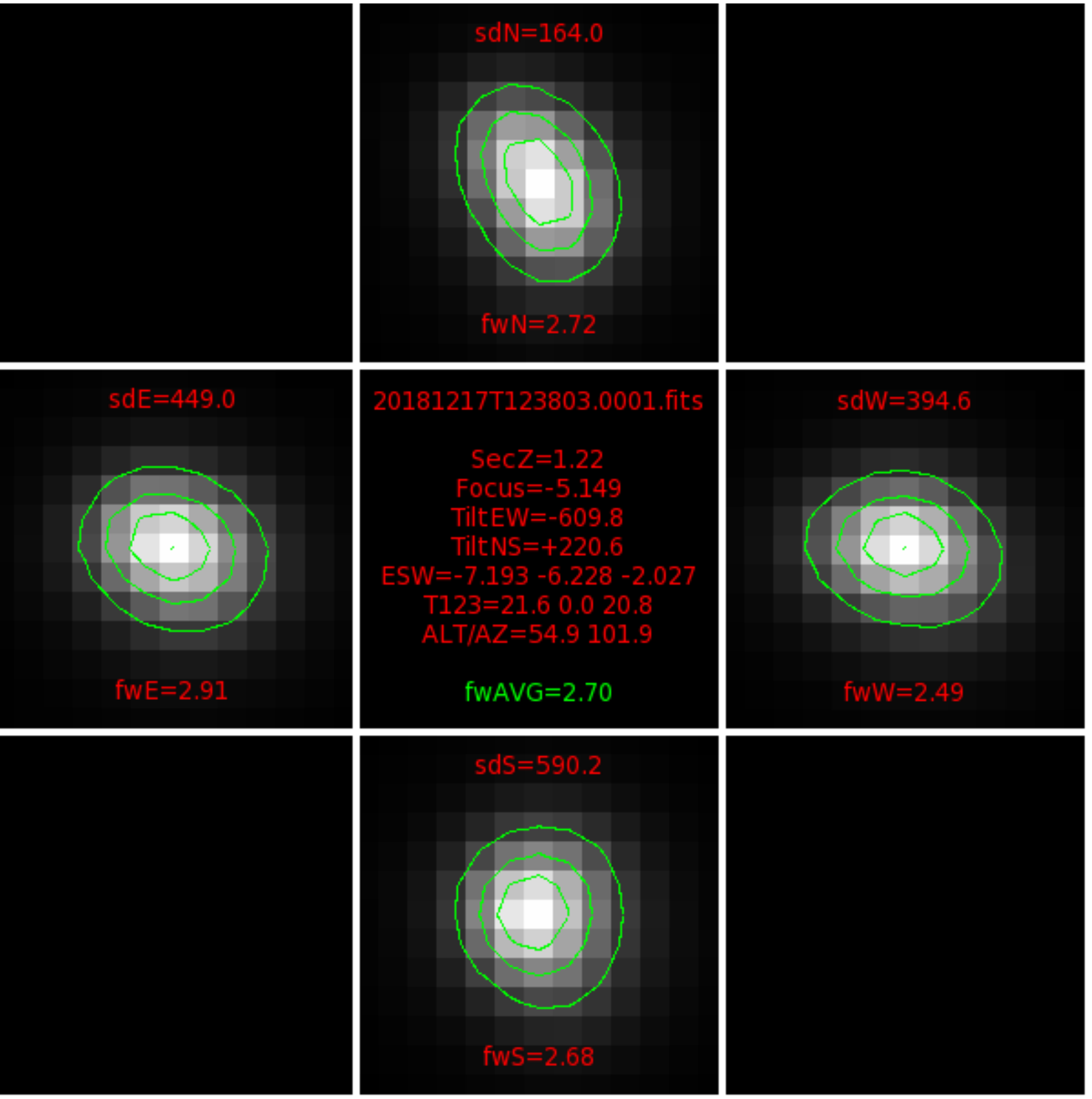
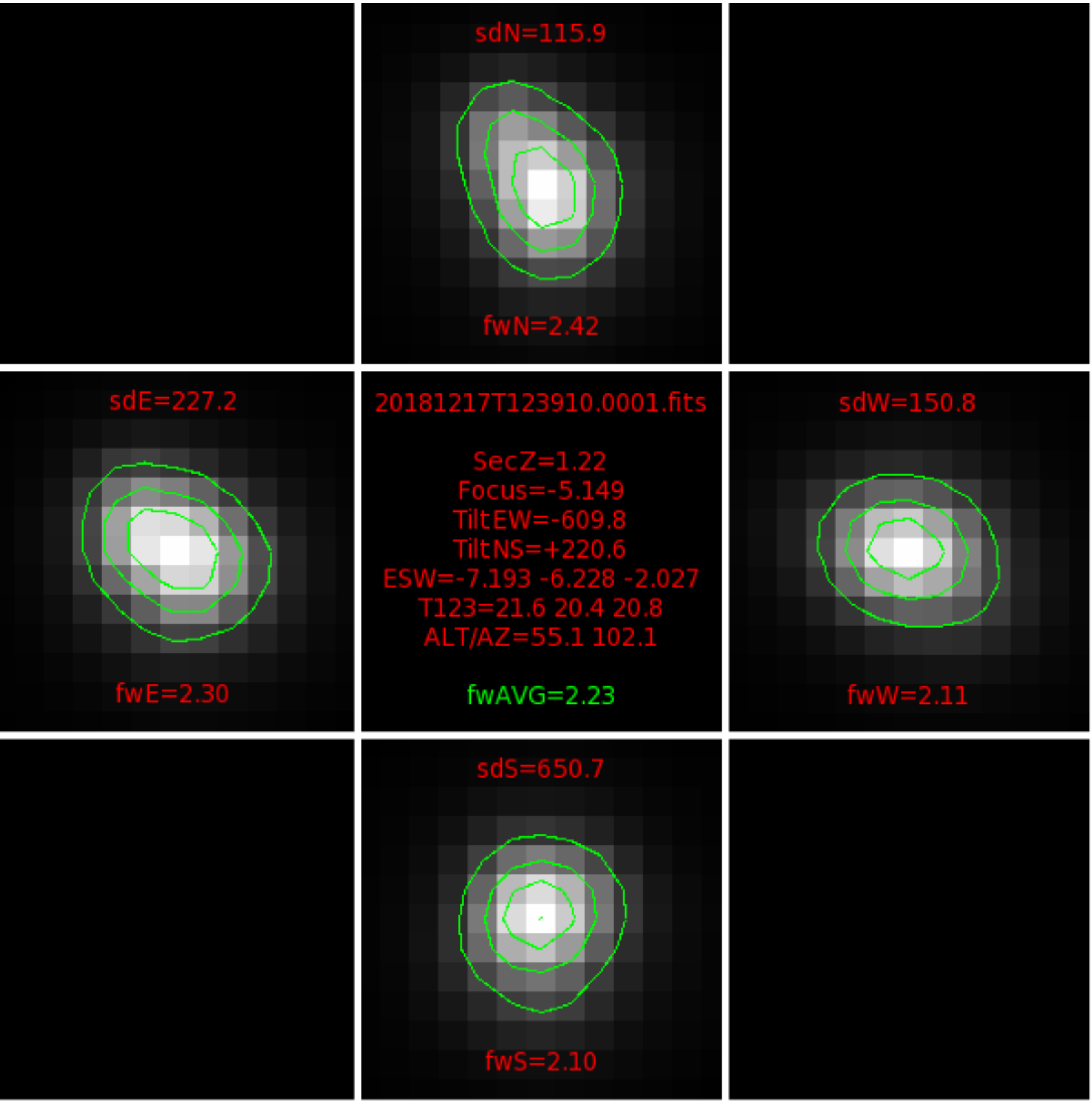

sdN=164.0
fwN=2.72
sdE=449.0
fwE=2.91
20181217T123803.0001.fits
SecZ=1.22
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 0.0 20.8
ALT/AZ=54.9 101.9
fwAVG=2.70
sdW=394.6
fwW=2.49
sdS=590.2
fwS=2.68
0 0 0 0 0 0 0 0 0


sdN=115.9
fwN=2.42
sdE=227.2
fwE=2.30
20181217T123910.0001.fits
SecZ=1.22
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.4 20.8
ALT/AZ=55.1 102.1
fwAVG=2.23
sdW=150.8
fwW=2.11
sdS=650.7
fwS=2.10
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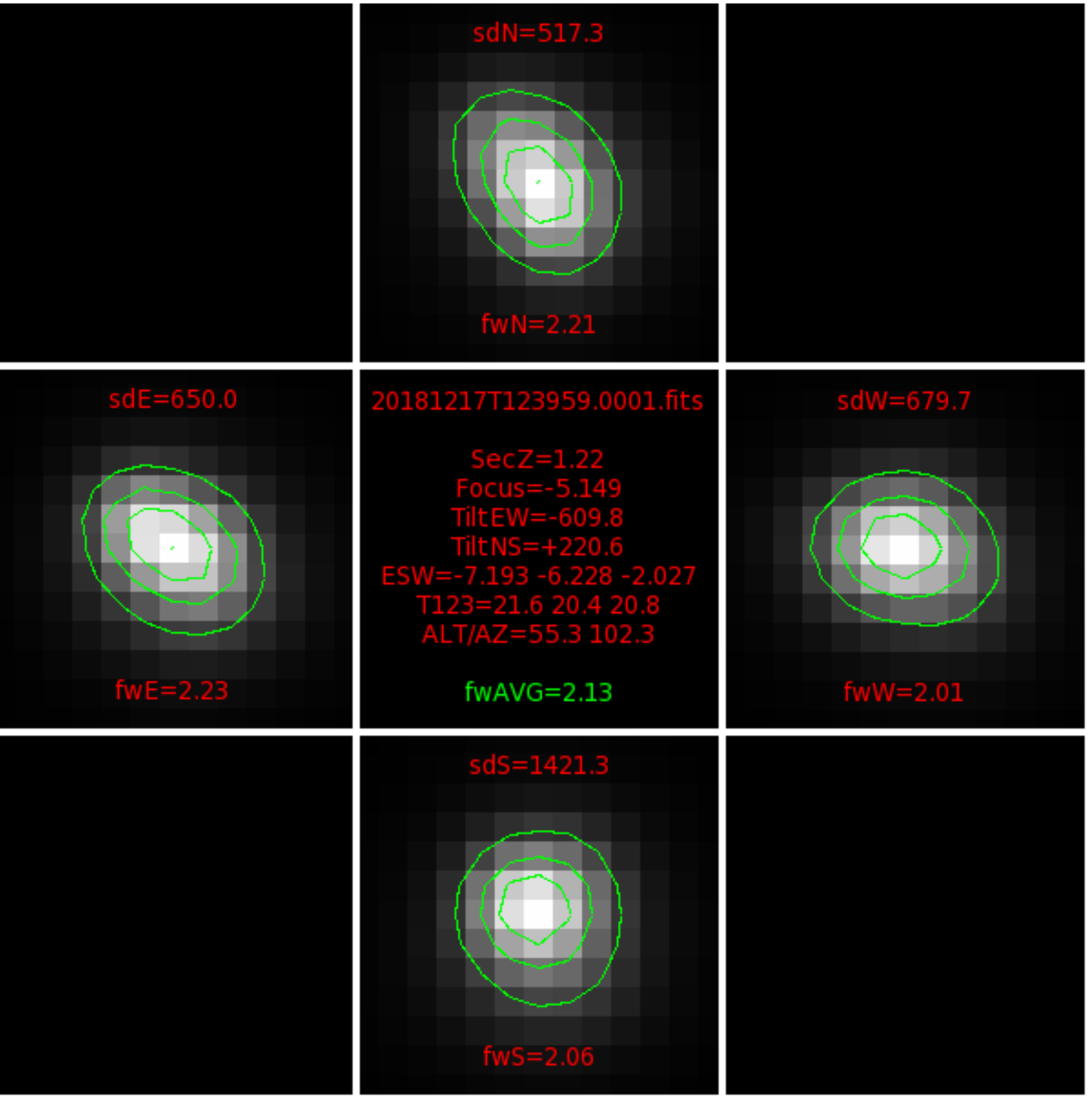
sdN=517.3
fwN=2.21
sdE=650.0
fwE=2.23
20181217T123959.0001.fits
SecZ=1.22
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.4 20.8
ALT/AZ=55.3 102.3
fwAVG=2.13
sdW=679.7
fwW=2.01
sdS=1421.3
fwS=2.06
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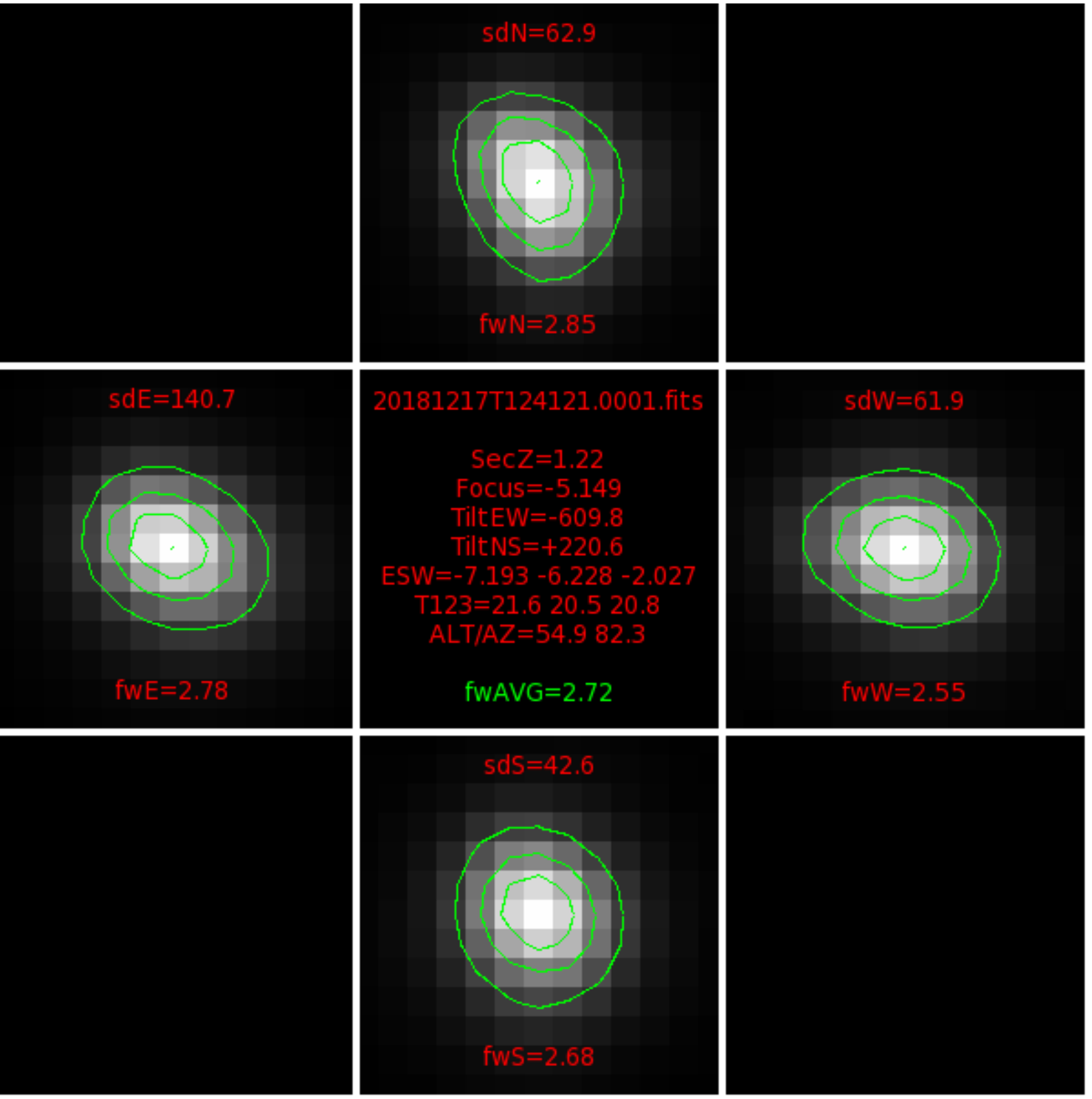
sdN=62.9
fwN=2.85
sdE=140.7
fwE=2.78
20181217T124121.0001.fits
SecZ=1.22
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.5 20.8
ALT/AZ=54.9 82.3
fwAVG=2.72
sdW=61.9
fwW=2.55
sdS=42.6
fwS=2.68
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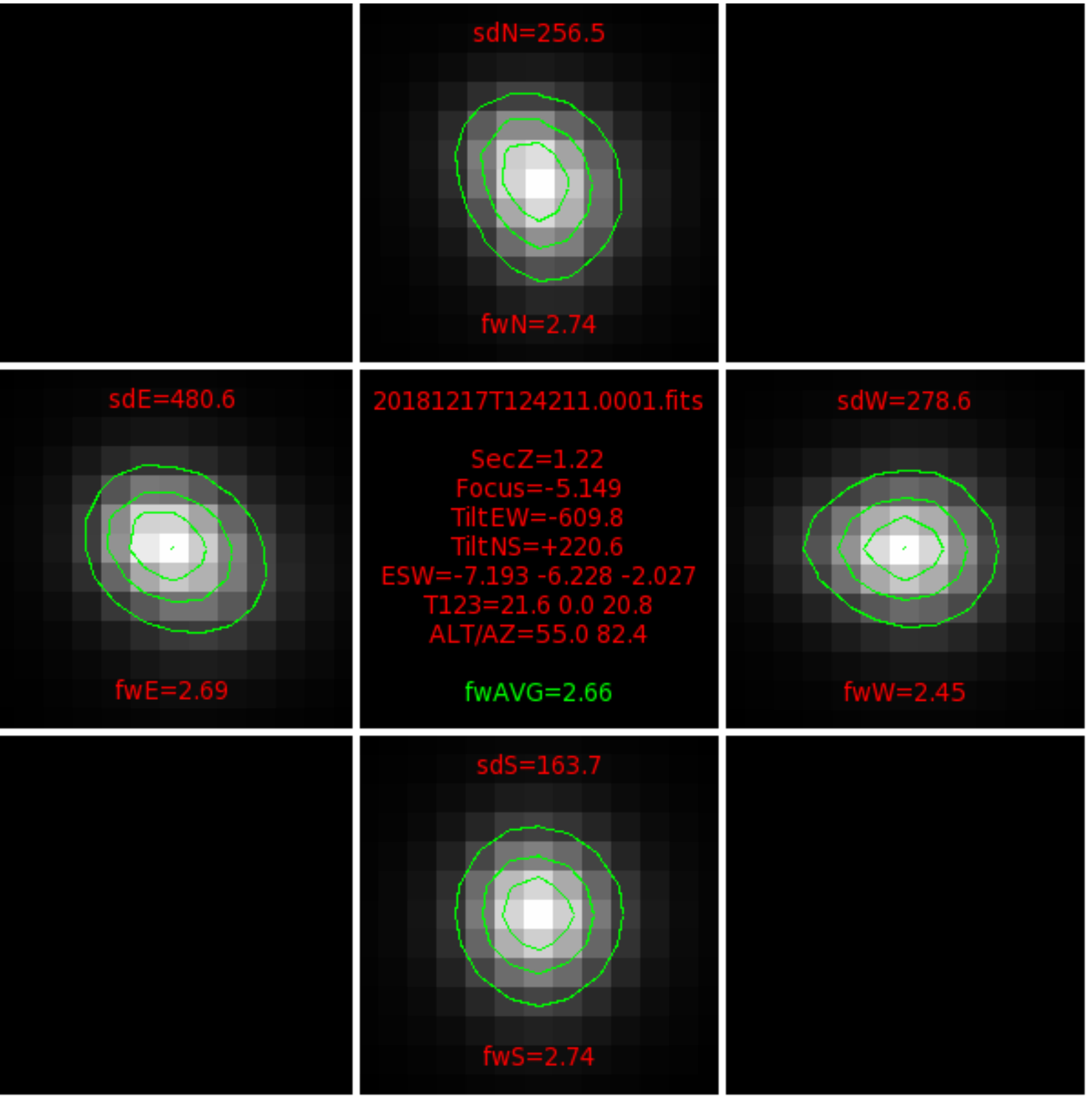
sdN=256.5
fwN=2.74
sdE=480.6
fwE=2.69
20181217T124211.0001.fits
SecZ=1.22
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 0.0 20.8
ALT/AZ=55.0 82.4
fwAVG=2.66
sdW=278.6
fwW=2.45
sdS=163.7
fwS=2.74
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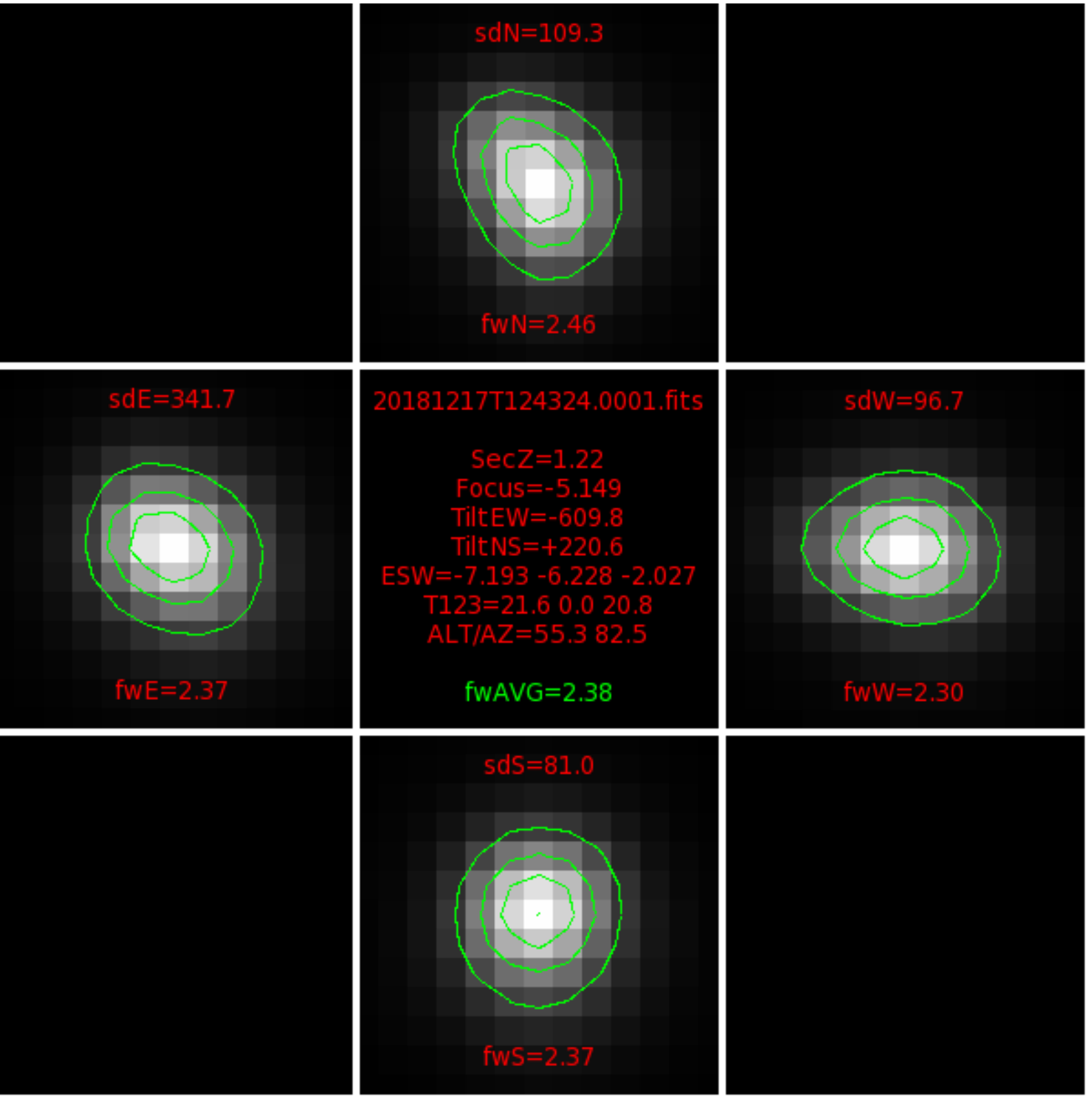
sdN=109.3
fwN=2.46
sdE=341.7
fwE=2.37
20181217T124324.0001.fits
SecZ=1.22
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 0.0 20.8
ALT/AZ=55.3 82.5
fwAVG=2.38
sdW=96.7
fwW=2.30
sdS=81.0
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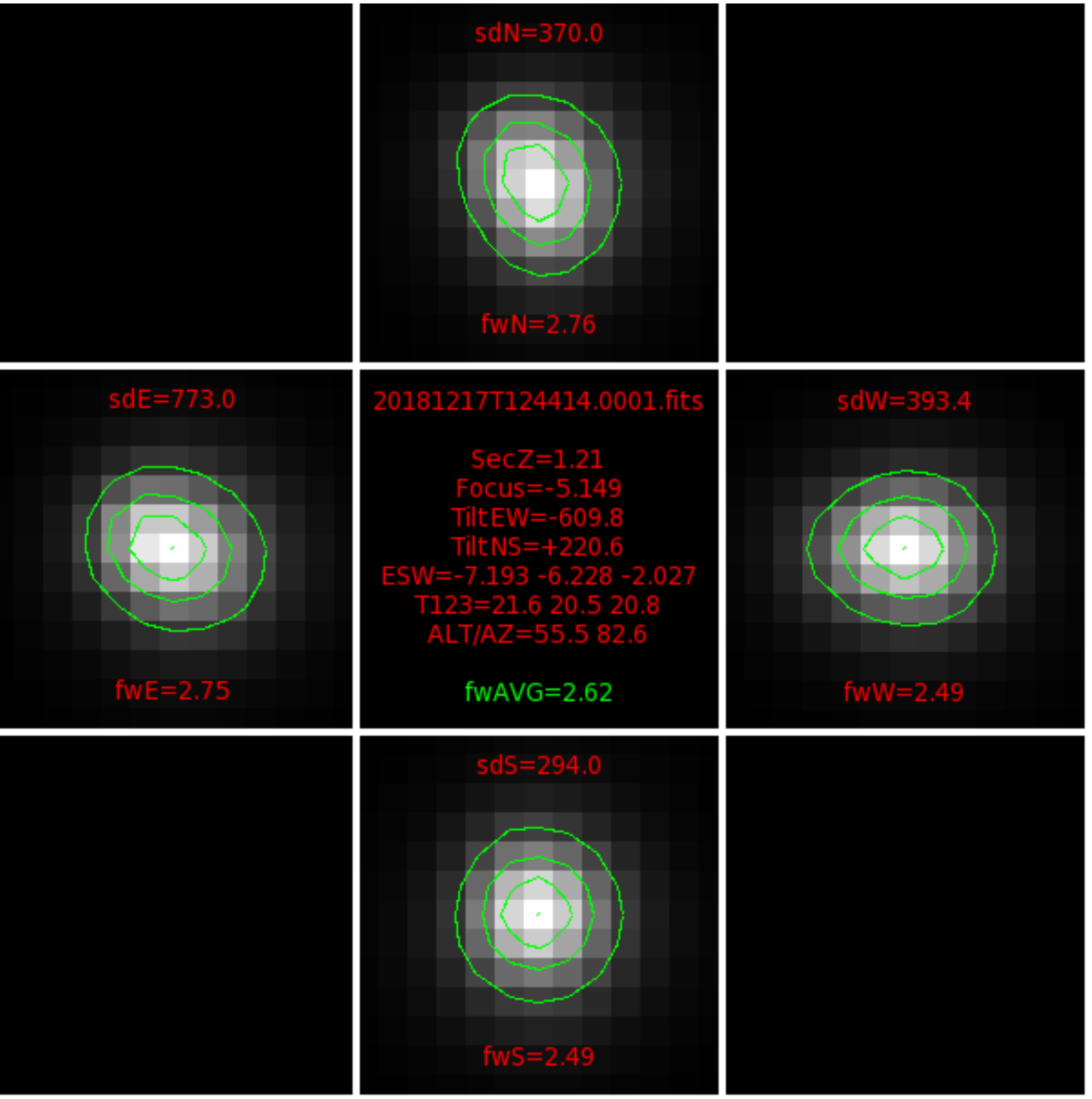
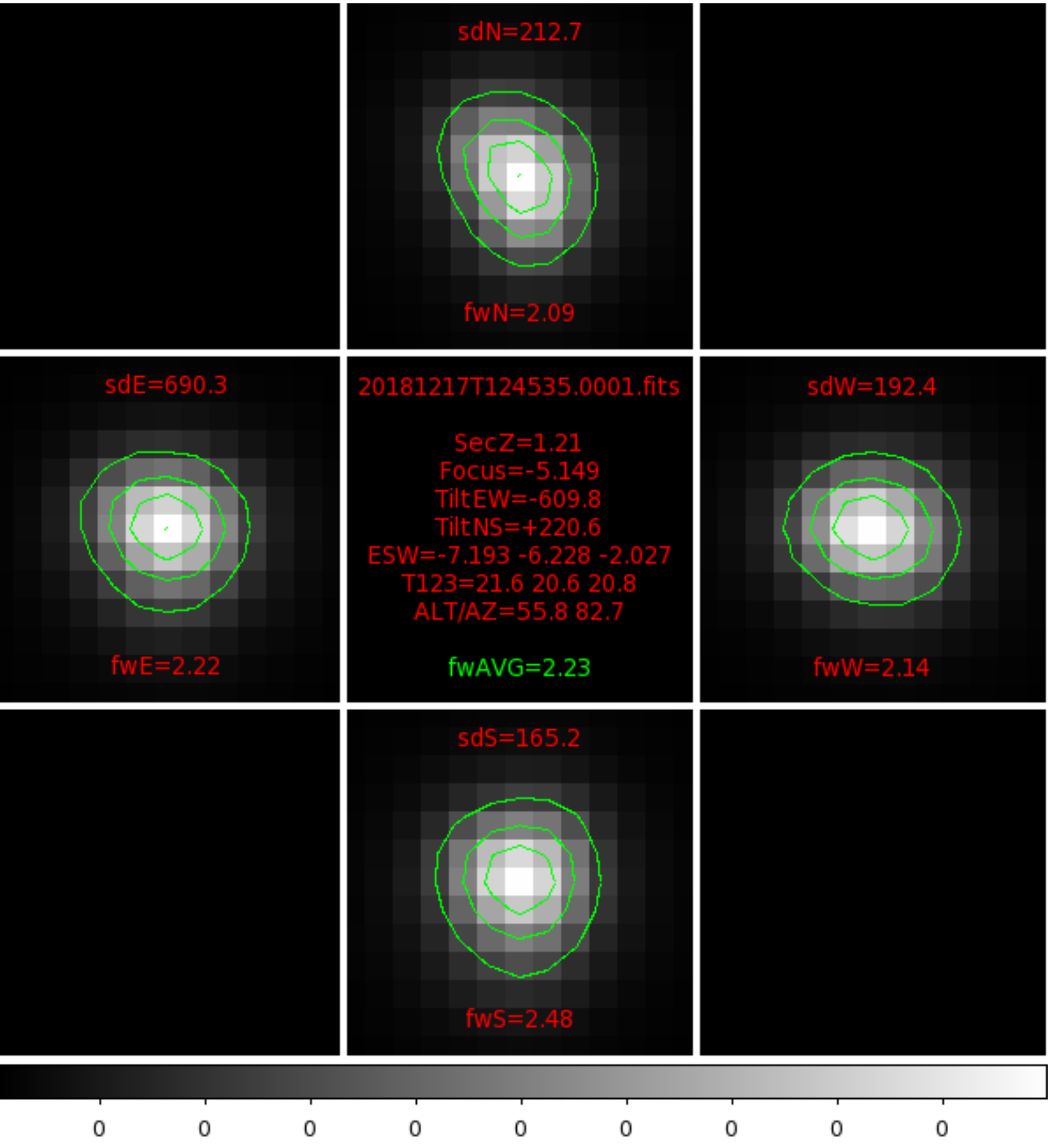
0 0 0 0 0 0 0 0 0


sdN=370.0
fwN=2.76
sdE=773.0
fwE=2.75
20181217T124414.0001.fits
SecZ=1.21
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.5 20.8
ALT/AZ=55.5 82.6
fwAVG=2.62
sdW=393.4
fwW=2.49
sdS=294.0
fwS=2.49
0 0 0 0 0 0 0 0 0


sdN=212.7
fwN=2.09
sdE=690.3
fwE=2.22
20181217T124535.0001.fits
SecZ=1.21
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.6 20.8
ALT/AZ=55.8 82.7
fwAVG=2.23
sdW=192.4
fwW=2.14
sdS=165.2
fwS=2.48
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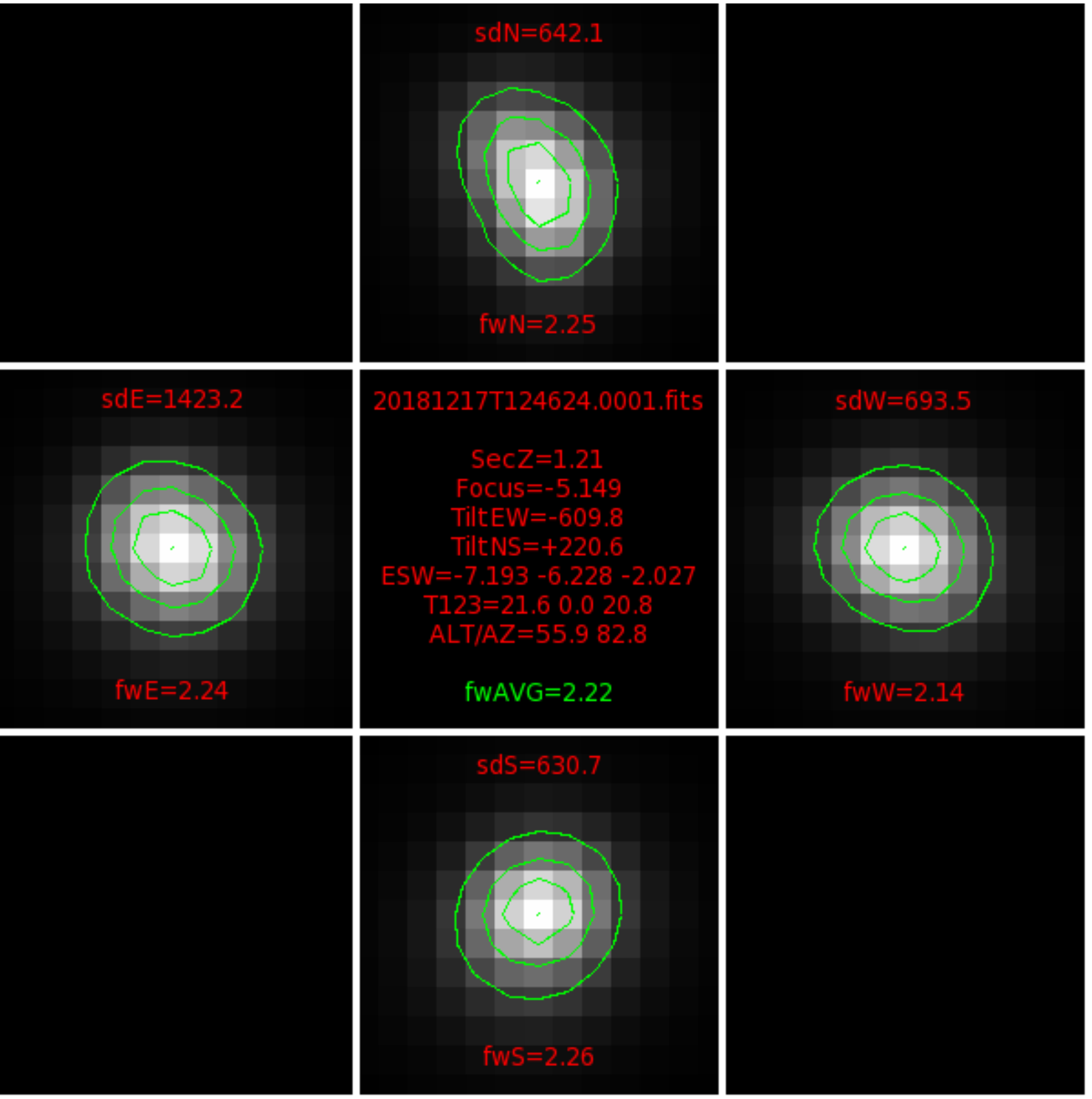
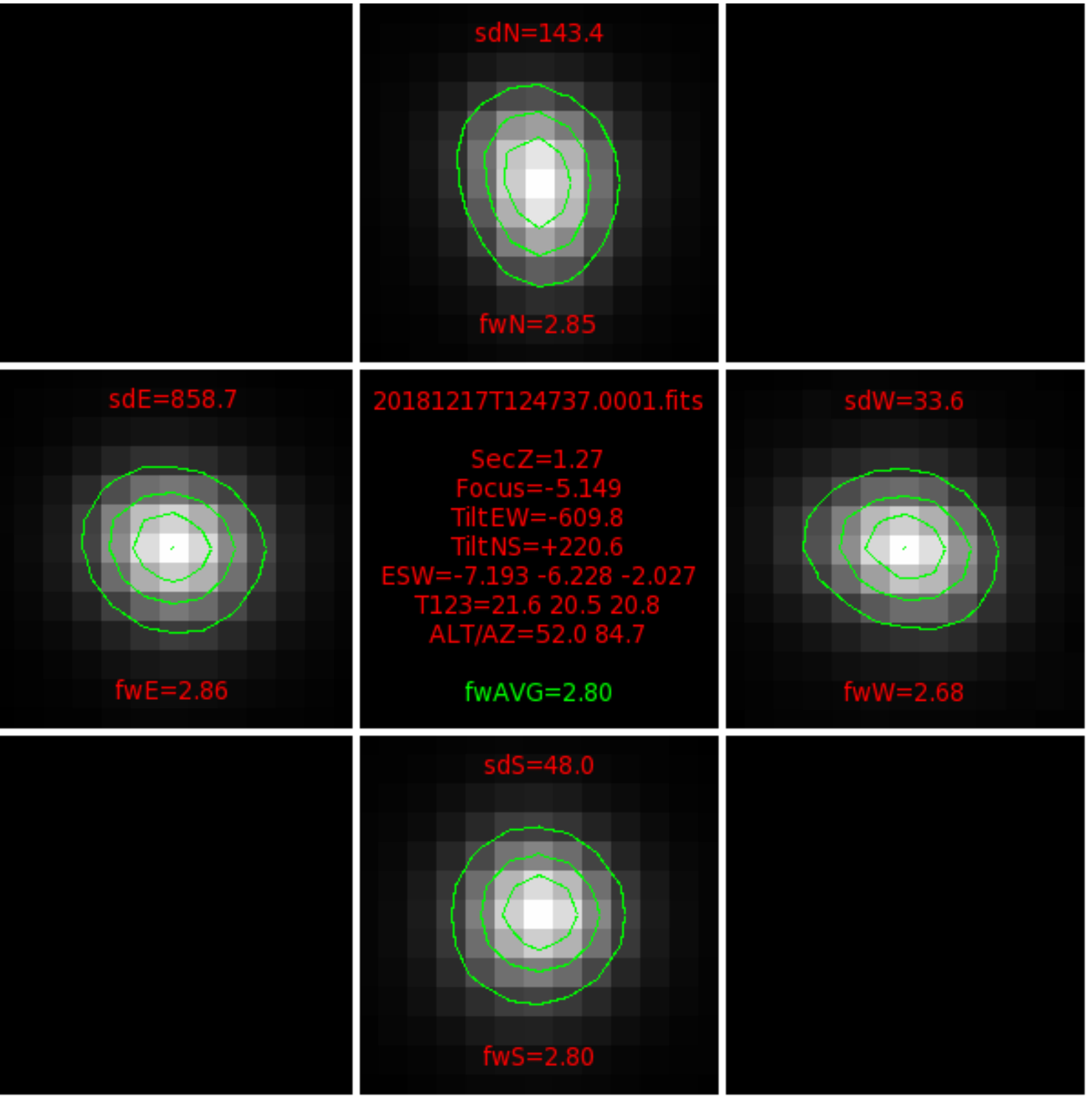
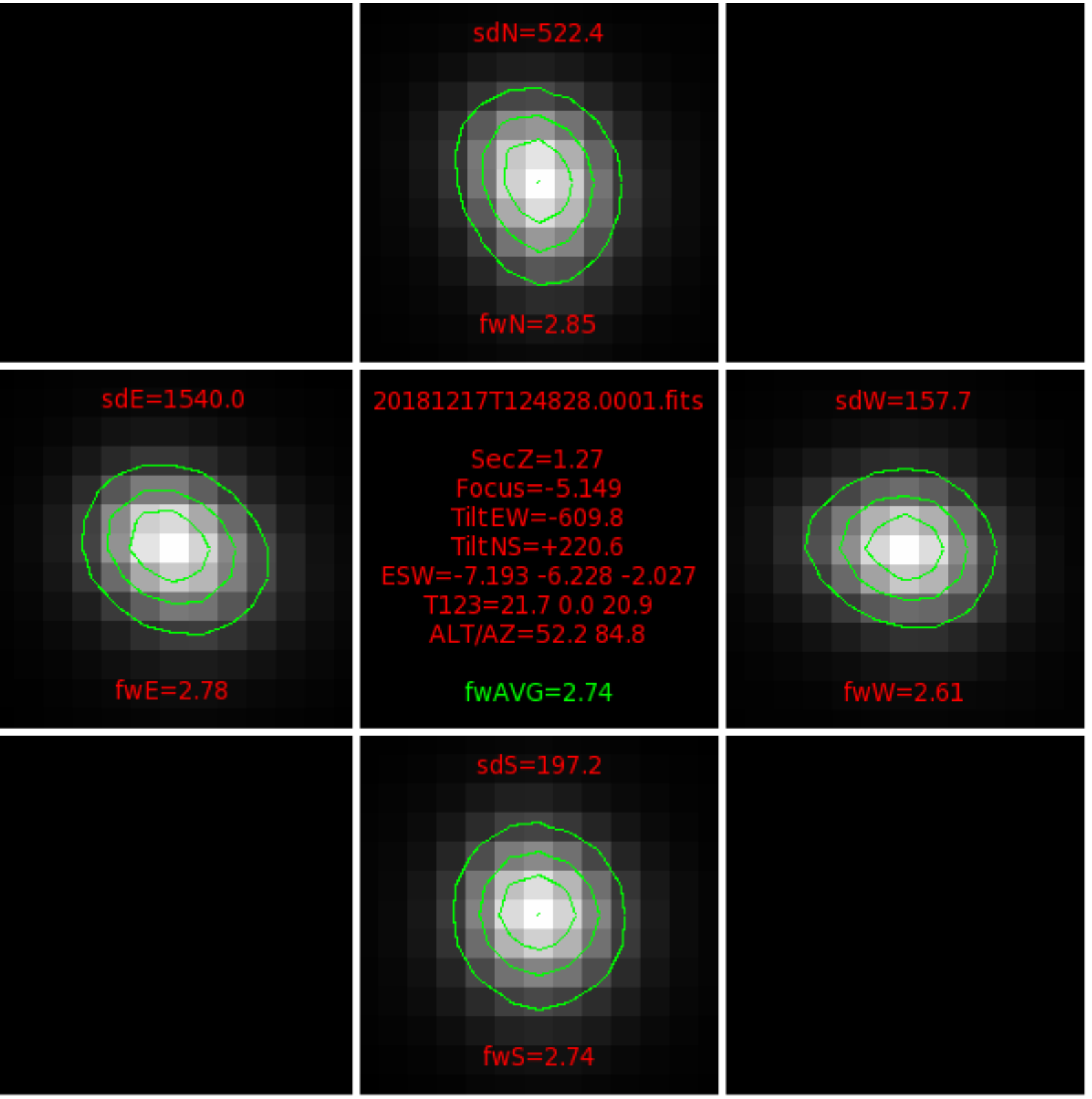

sdN=642.1
fwN=2.25
sdE=1423.2
fwE=2.24
20181217T124624.0001.fits
SecZ=1.21
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 0.0 20.8
ALT/AZ=55.9 82.8
fwAVG=2.22
sdW=693.5
fwW=2.14
sdS=630.7
fwS=2.26
0 0 0 0 0 0 0 0 0


sdN=143.4
fwN=2.85
sdE=858.7
fwE=2.86
20181217T124737.0001.fits
SecZ=1.27
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.5 20.8
ALT/AZ=52.0 84.7
fwAVG=2.80
sdW=33.6
fwW=2.68
sdS=48.0
fwS=2.80
0 0 0 0 0 0 0 0 0


sdN=522.4
fwN=2.85
sdE=1540.0
fwE=2.78
20181217T124828.0001.fits
SecZ=1.27
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.7 0.0 20.9
ALT/AZ=52.2 84.8
fwAVG=2.74
sdW=157.7
fwW=2.61
sdS=197.2
fwS=2.74
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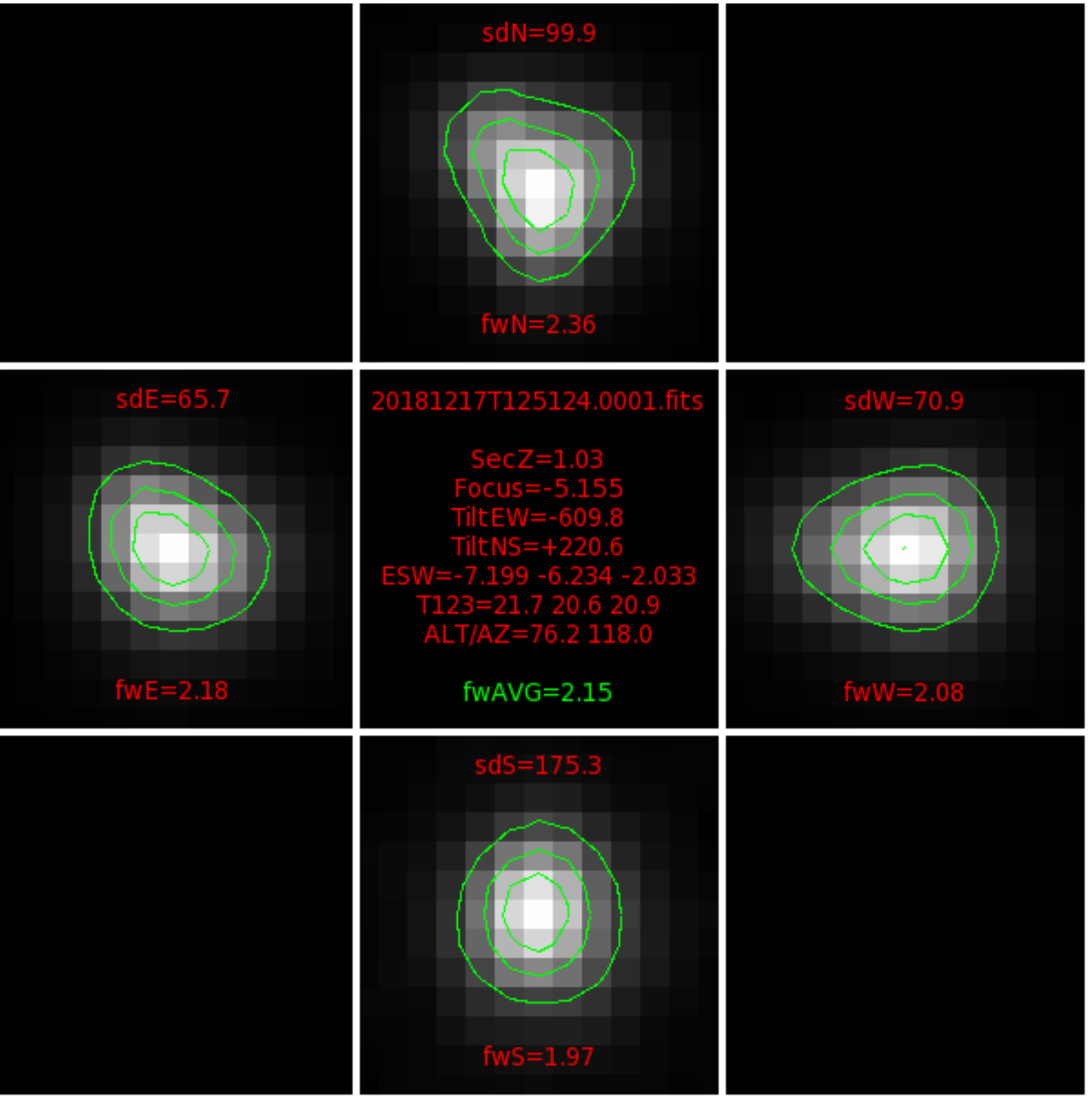
sdN=99.9
fwN=2.36
sdE=65.7
fwE=2.18
20181217T125124.0001.fits
SecZ=1.03
Focus=-5.155
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.199 -6.234 -2.033
T123=21.7 20.6 20.9
ALT/AZ=76.2 118.0
fwAVG=2.15
sdW=70.9
fwW=2.08
sdS=175.3
fwS=1.97
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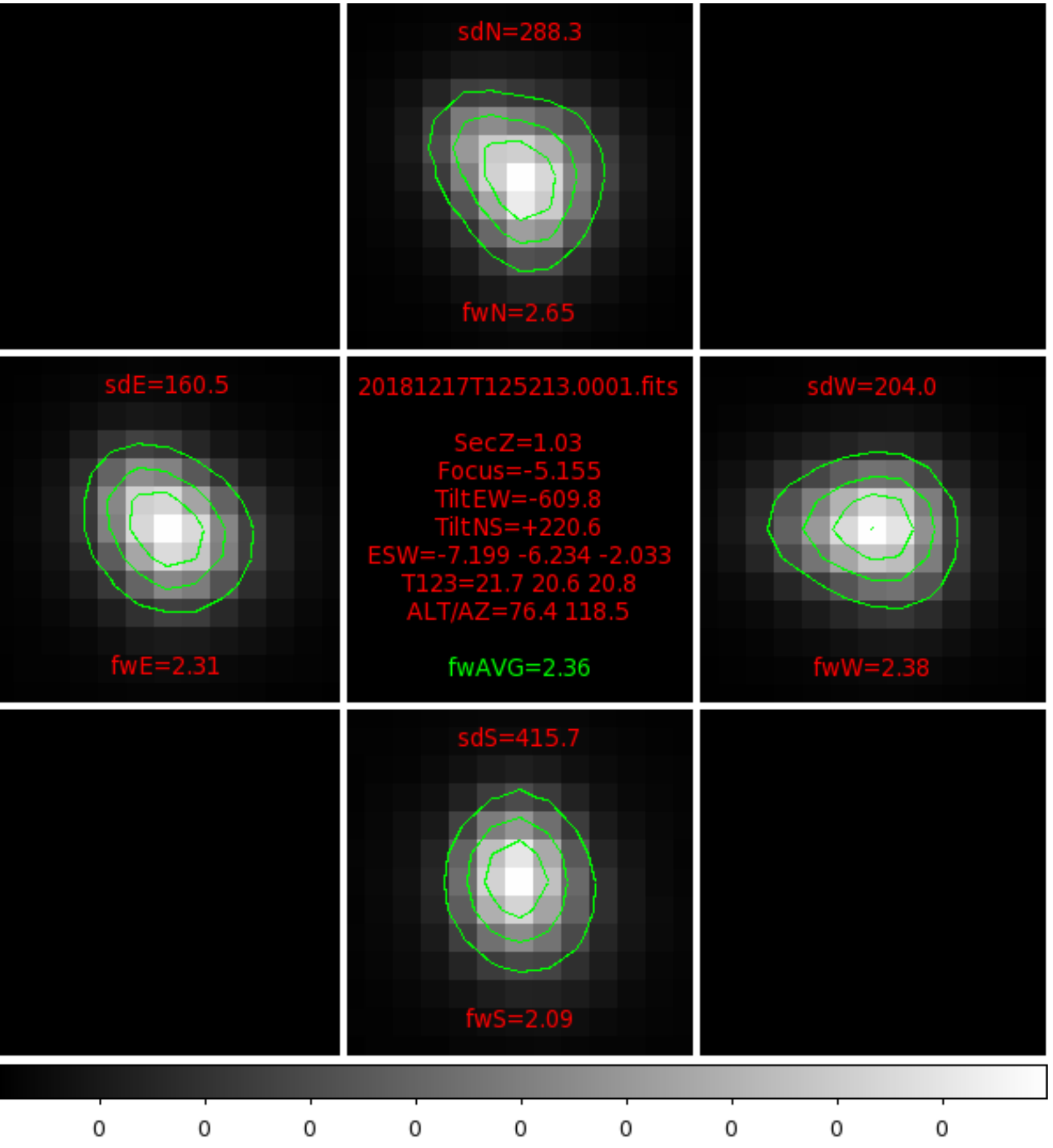
sdN=288.3
fwN=2.65
sdE=160.5
fwE=2.31
20181217T125213.0001.fits
SecZ=1.03
Focus=-5.155
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.199 -6.234 -2.033
T123=21.7 20.6 20.8
ALT/AZ=76.4 118.5
fwAVG=2.36
sdW=204.0
fwW=2.38
sdS=415.7
fwS=2.09
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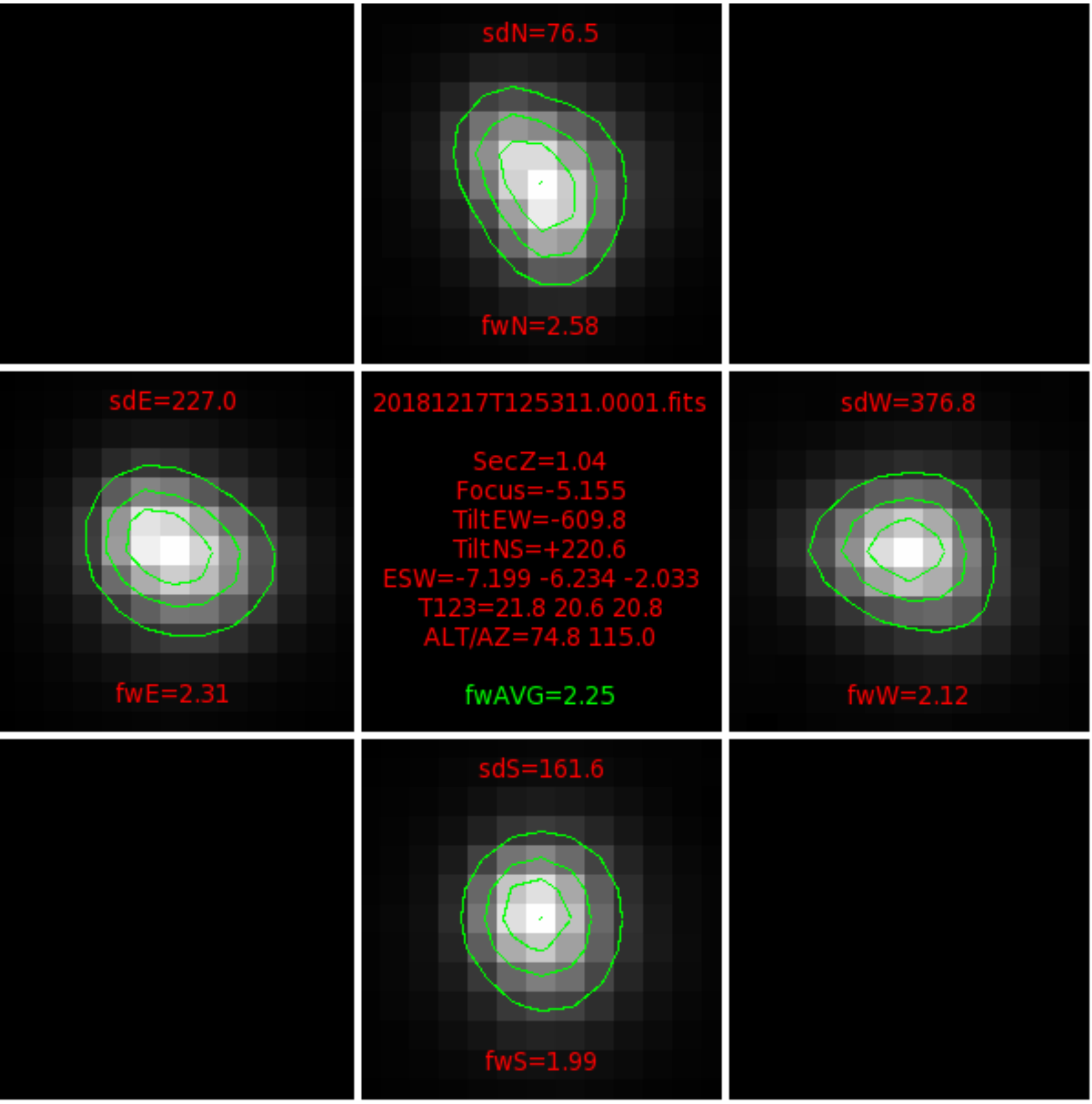
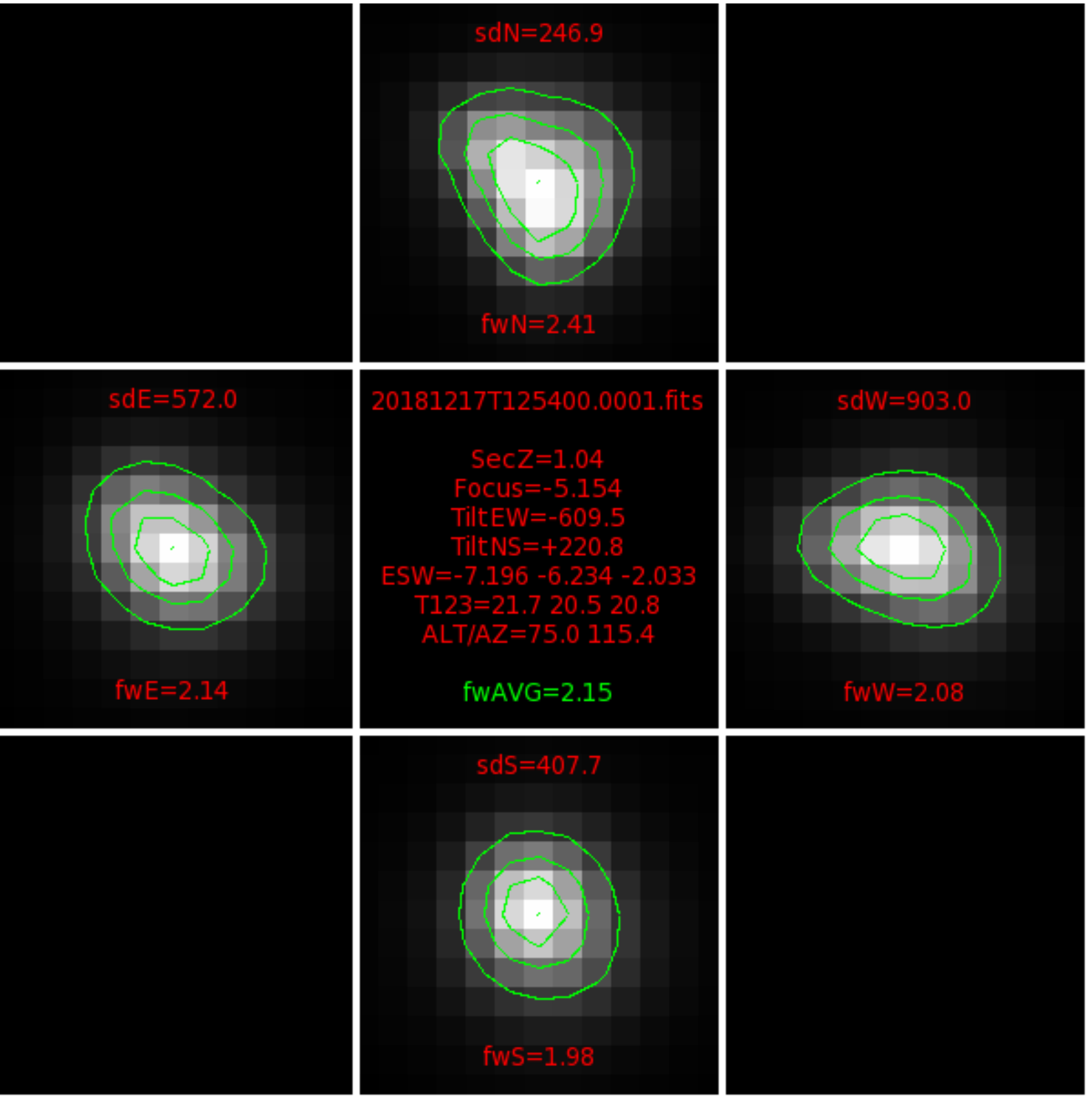

sdN=76.5
fwN=2.58
sdE=227.0
fwE=2.31
20181217T125311.0001.fits
SecZ=1.04
Focus=-5.155
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.199 -6.234 -2.033
T123=21.8 20.6 20.8
ALT/AZ=74.8 115.0
fwAVG=2.25
sdW=376.8
fwW=2.12
sdS=161.6
fwS=1.99
0 0 0 0 0 0 0 0 0


sdN=246.9
fwN=2.41
sdE=572.0
fwE=2.14
20181217T125400.0001.fits
SecZ=1.04
Focus=-5.154
TiltEW=-609.5
TiltNS=+220.8
ESW=-7.196 -6.234 -2.033
T123=21.7 20.5 20.8
ALT/AZ=75.0 115.4
fwAVG=2.15
sdW=903.0
fwW=2.08
sdS=407.7
fwS=1.98
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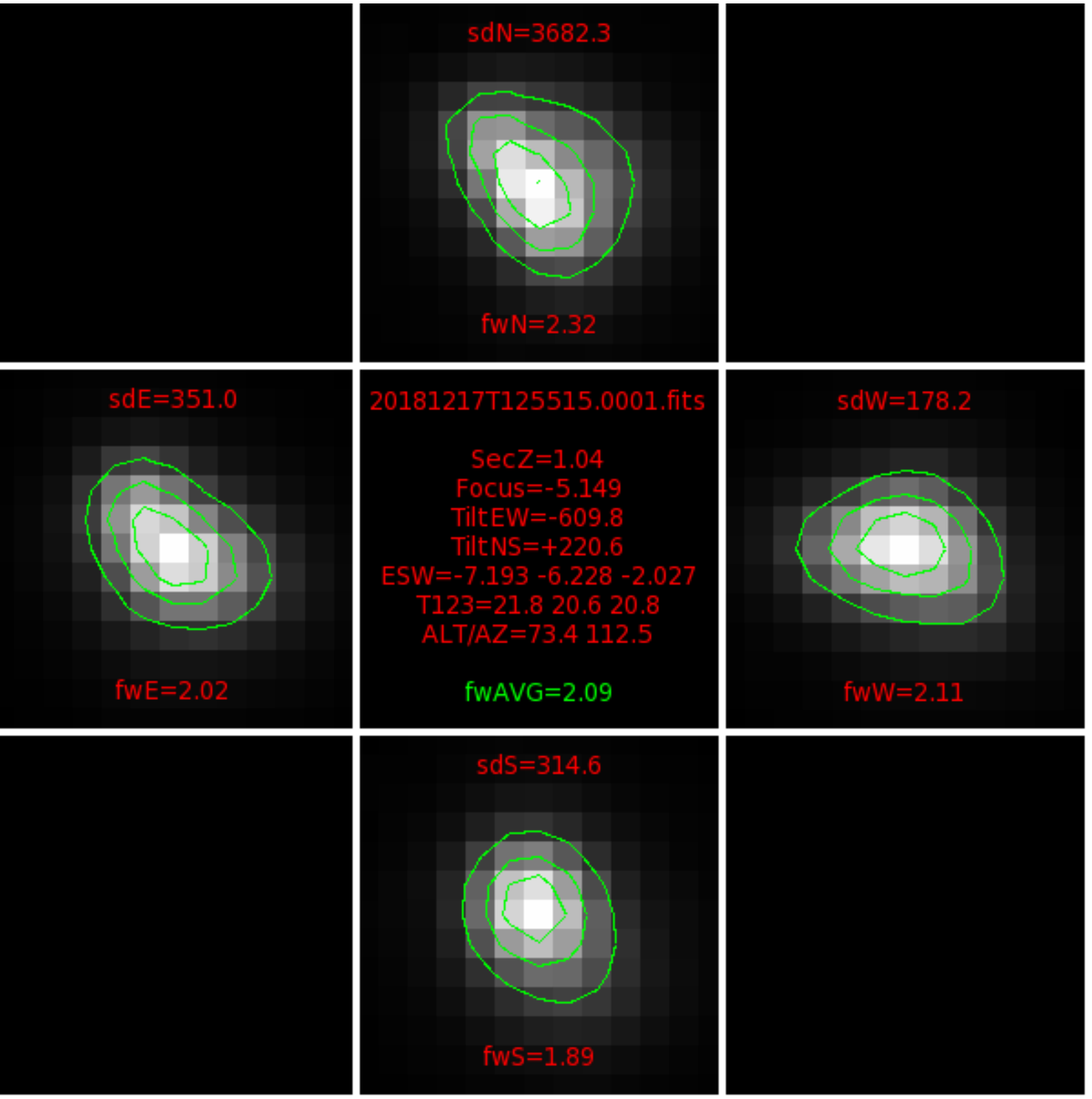
sdN=3682.3
fwN=2.32
sdE=351.0
fwE=2.02
20181217T125515.0001.fits
SecZ=1.04
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.8 20.6 20.8
ALT/AZ=73.4 112.5
fwAVG=2.09
sdW=178.2
fwW=2.11
sdS=314.6
fwS=1.89
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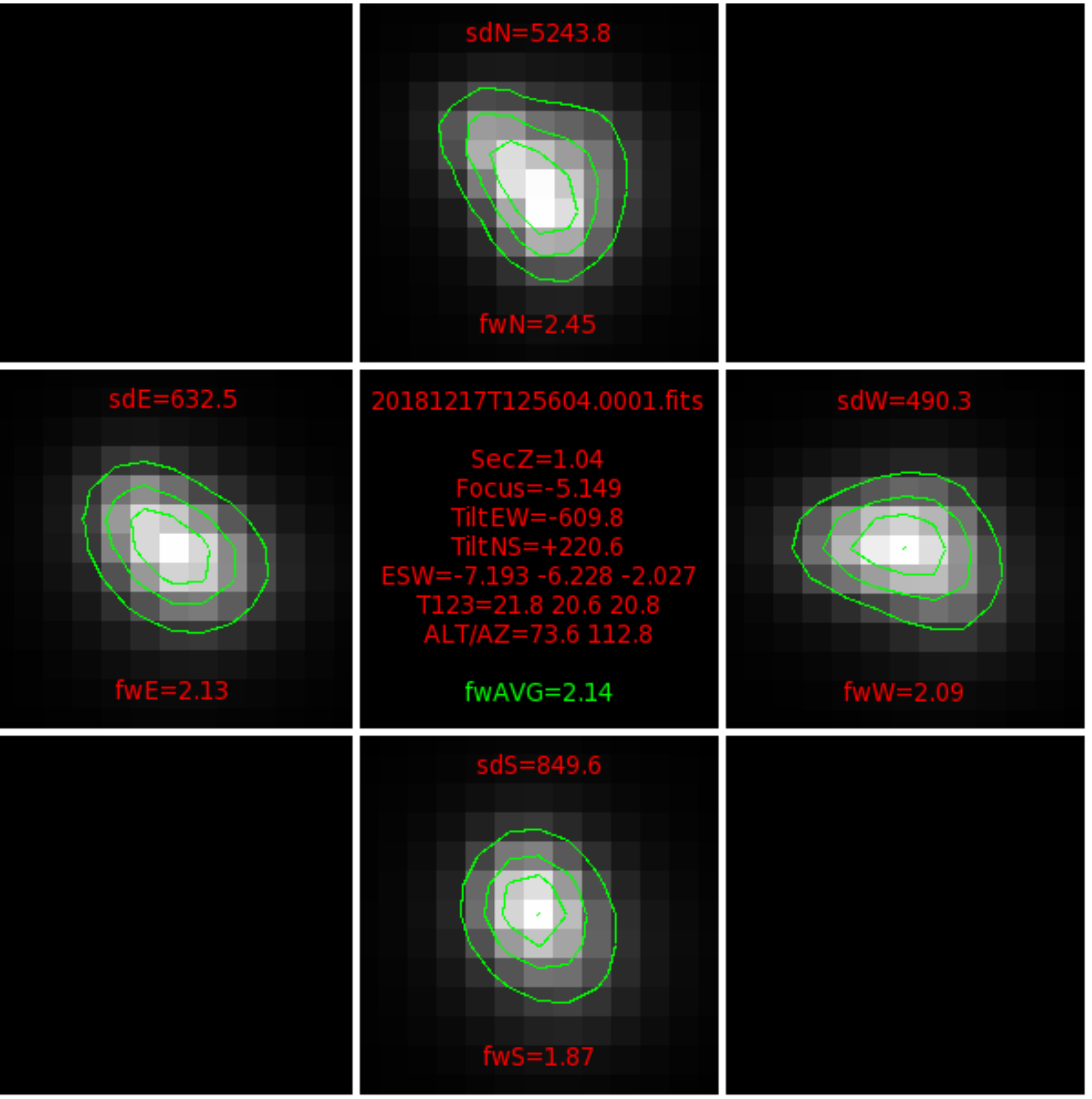
sdN=5243.8
fwN=2.45
sdE=632.5
fwE=2.13
20181217T125604.0001.fits
SecZ=1.04
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.8 20.6 20.8
ALT/AZ=73.6 112.8
fwAVG=2.14
sdW=490.3
fwW=2.09
sdS=849.6
fwS=1.87
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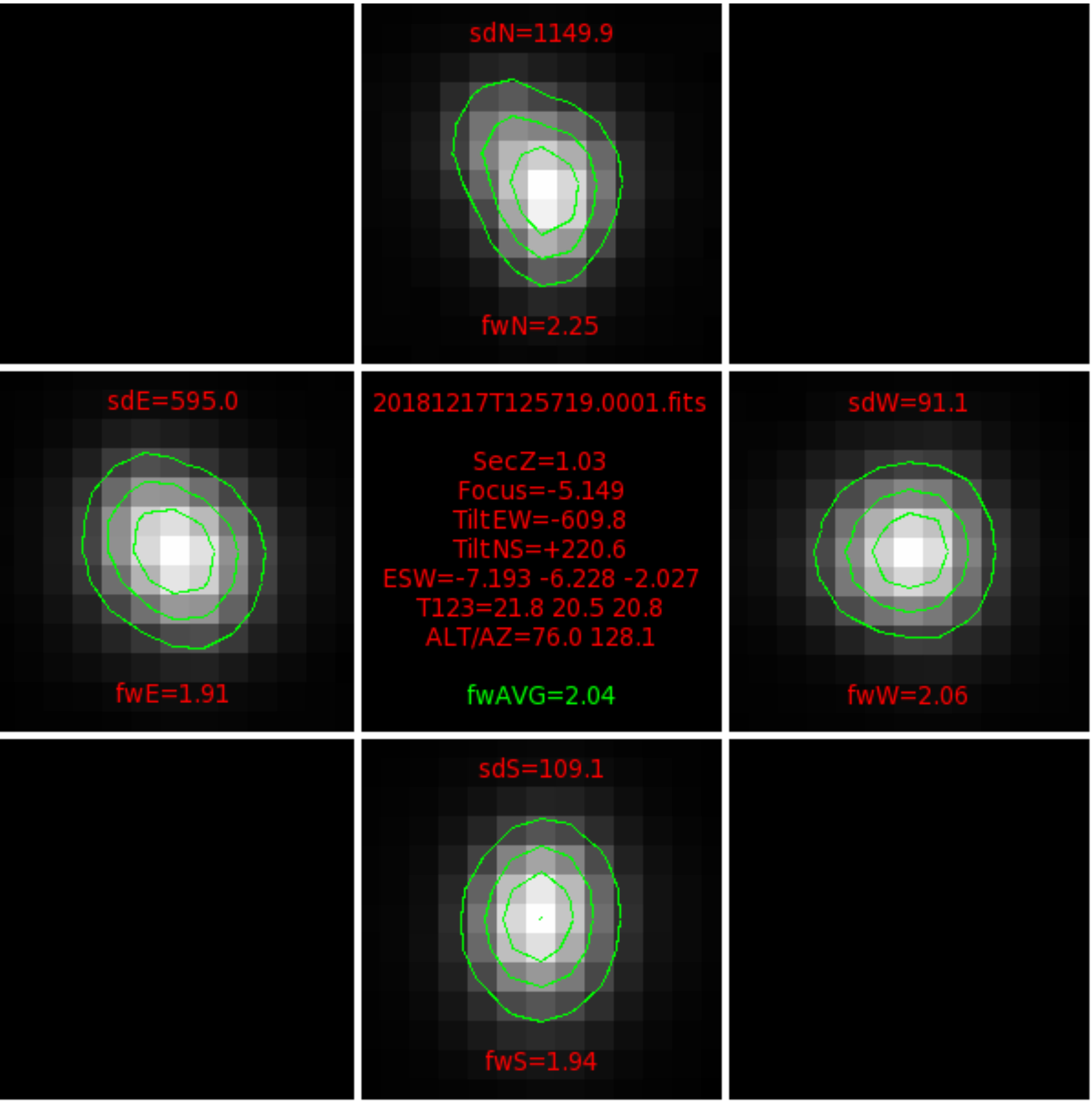
sdN=1149.9
fwN=2.25
sdE=595.0
fwE=1.91
20181217T125719.0001.fits
SecZ=1.03
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.8 20.5 20.8
ALT/AZ=76.0 128.1
fwAVG=2.04
sdW=91.1
fwW=2.06
sdS=109.1
fwS=1.94
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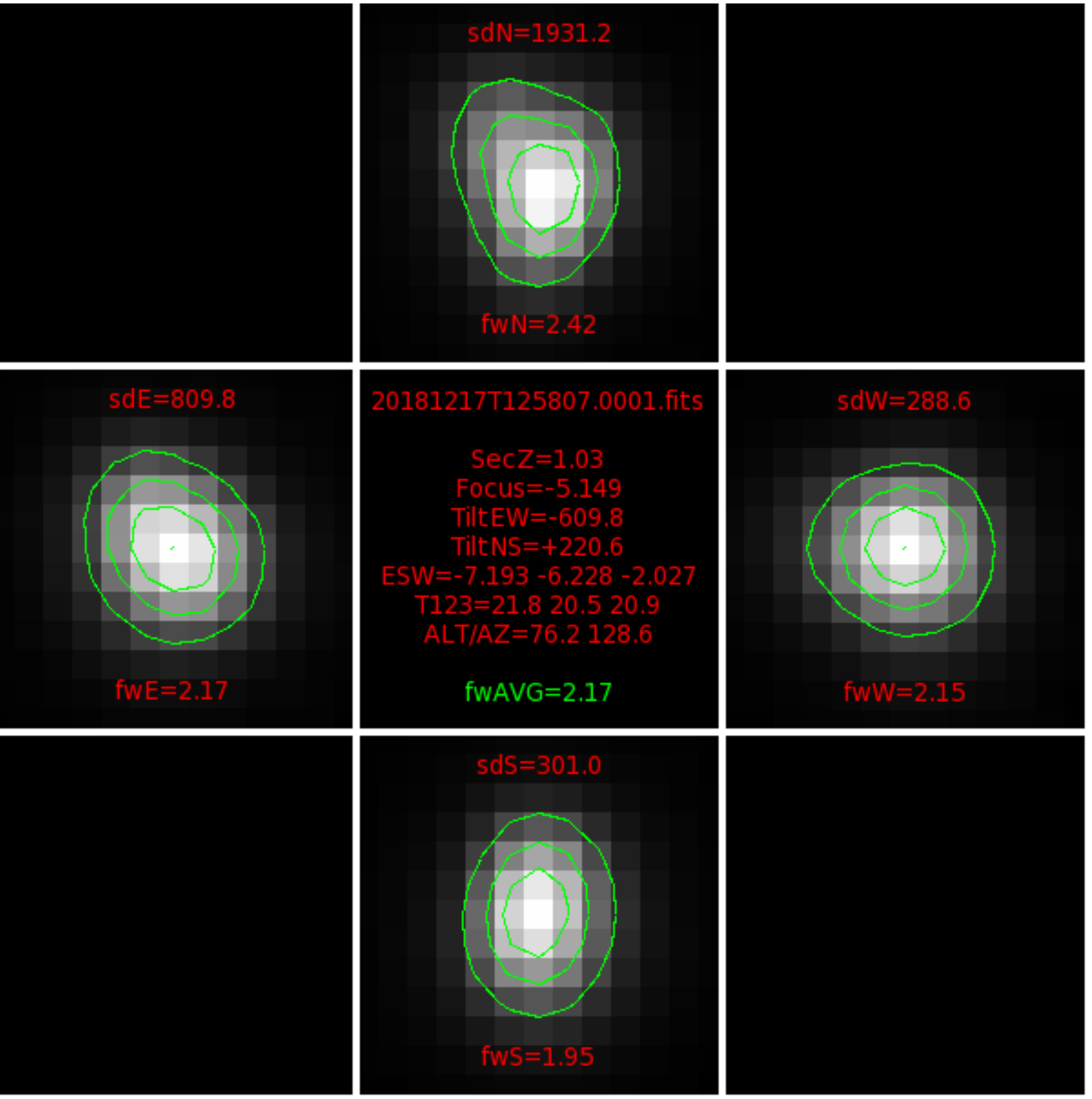
sdN=1931.2
fwN=2.42
sdE=809.8
fwE=2.17
20181217T125807.0001.fits
SecZ=1.03
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.8 20.5 20.9
ALT/AZ=76.2 128.6
fwAVG=2.17
sdW=288.6
fwW=2.15
sdS=301.0
fwS=1.95
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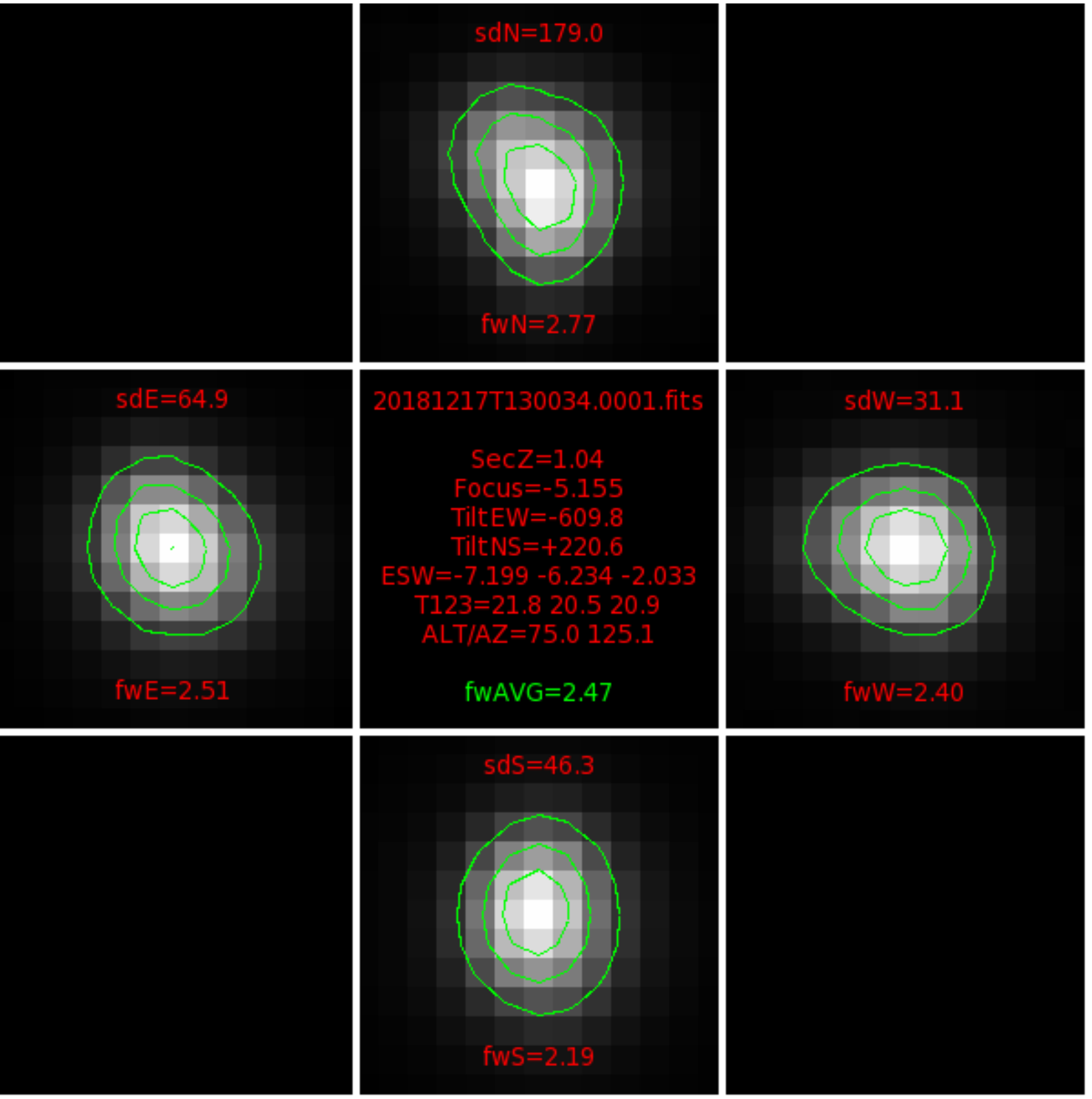
sdN=179.0
fwN=2.77
sdE=64.9
fwE=2.51
20181217T130034.0001.fits
SecZ=1.04
Focus=-5.155
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.199 -6.234 -2.033
T123=21.8 20.5 20.9
ALT/AZ=75.0 125.1
fwAVG=2.47
sdW=31.1
fwW=2.40
sdS=46.3
fwS=2.19
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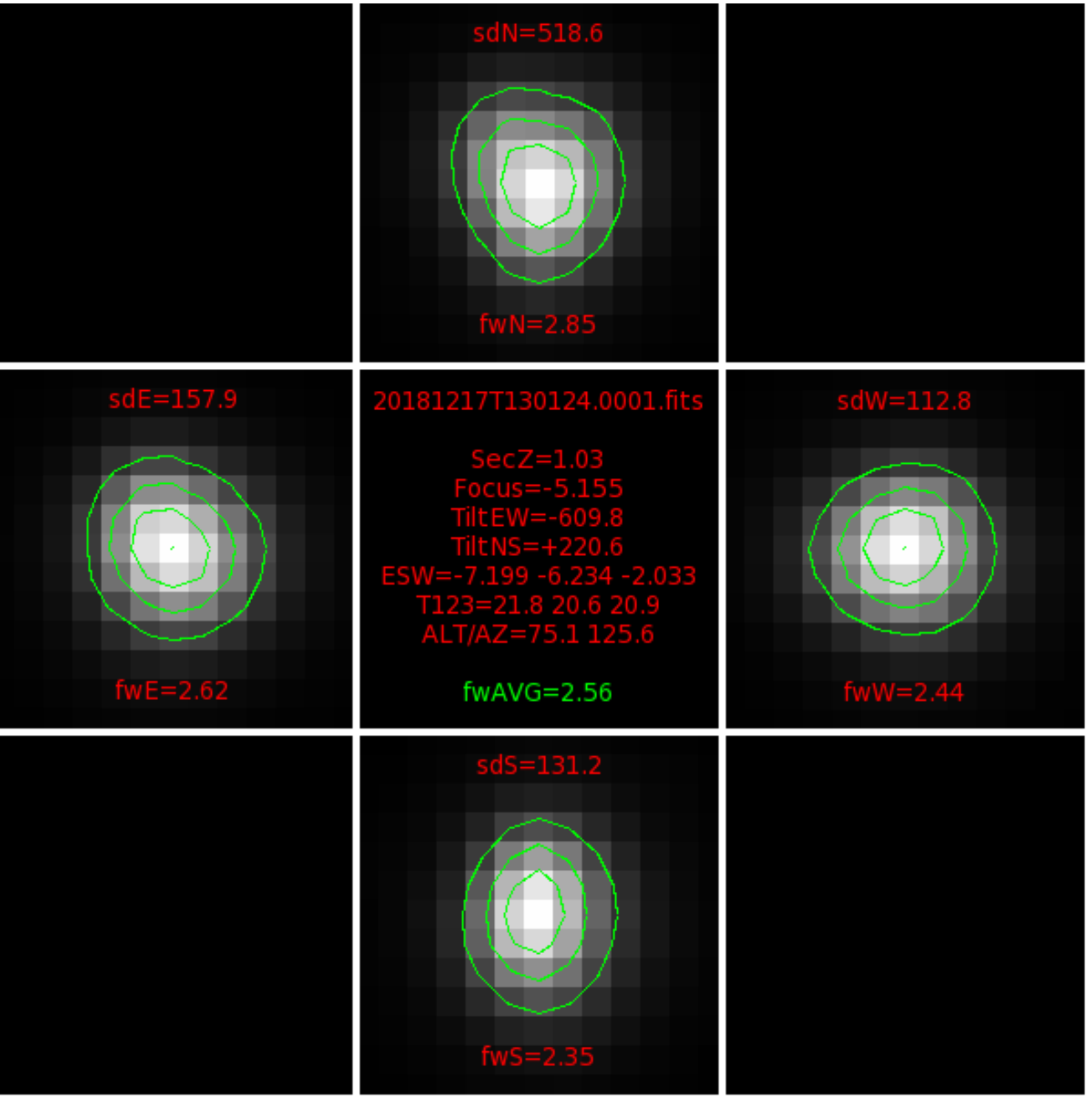
sdN=518.6
fwN=2.85
sdE=157.9
fwE=2.62
20181217T130124.0001.fits
SecZ=1.03
Focus=-5.155
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.199 -6.234 -2.033
T123=21.8 20.6 20.9
ALT/AZ=75.1 125.6
fwAVG=2.56
sdW=112.8
fwW=2.44
sdS=131.2
fwS=2.35
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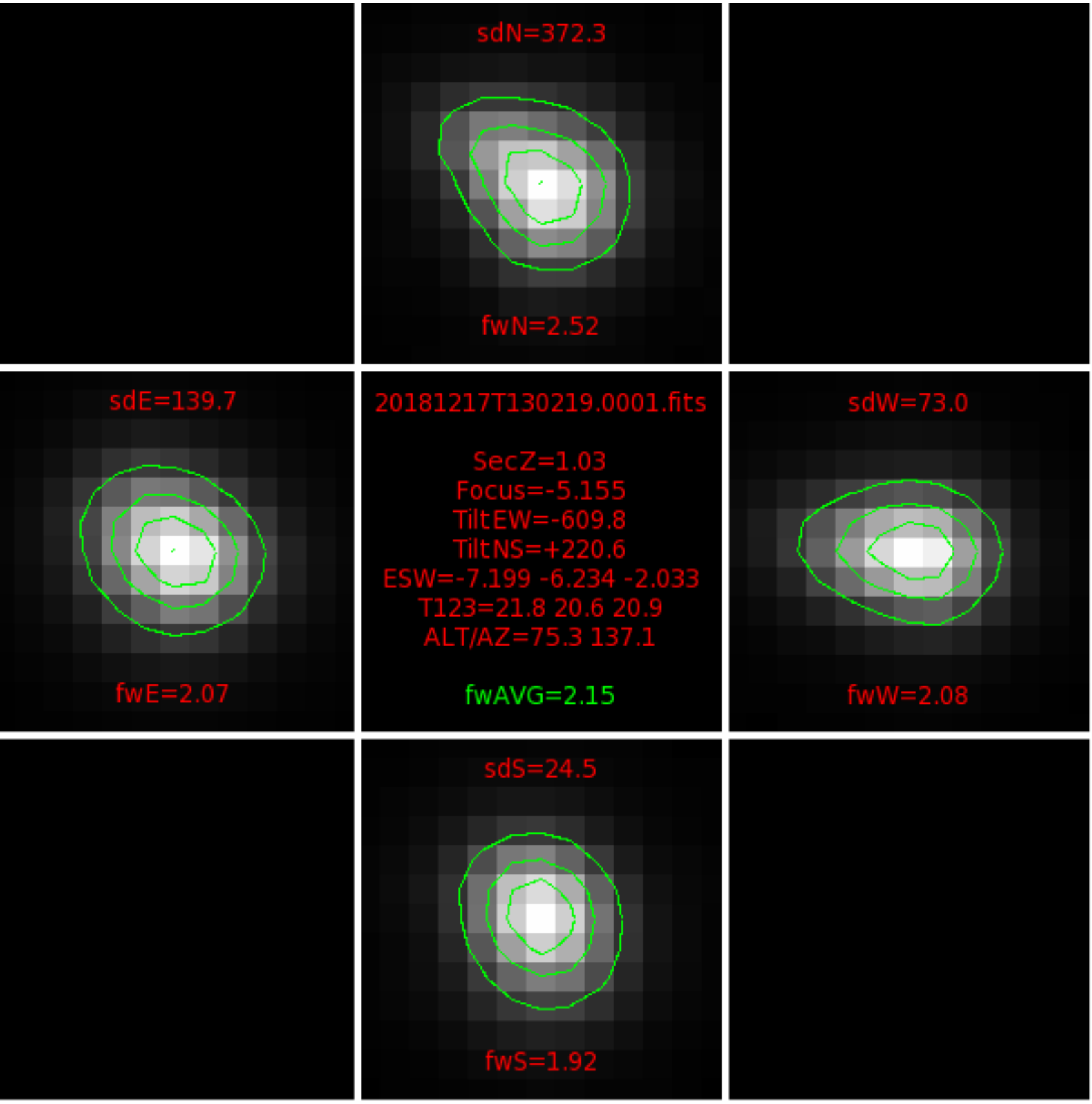
sdN=372.3
fwN=2.52
sdE=139.7
fwE=2.07
20181217T130219.0001.fits
SecZ=1.03
Focus=-5.155
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.199 -6.234 -2.033
T123=21.8 20.6 20.9
ALT/AZ=75.3 137.1
fwAVG=2.15
sdW=73.0
fwW=2.08
sdS=24.5
fwS=1.92
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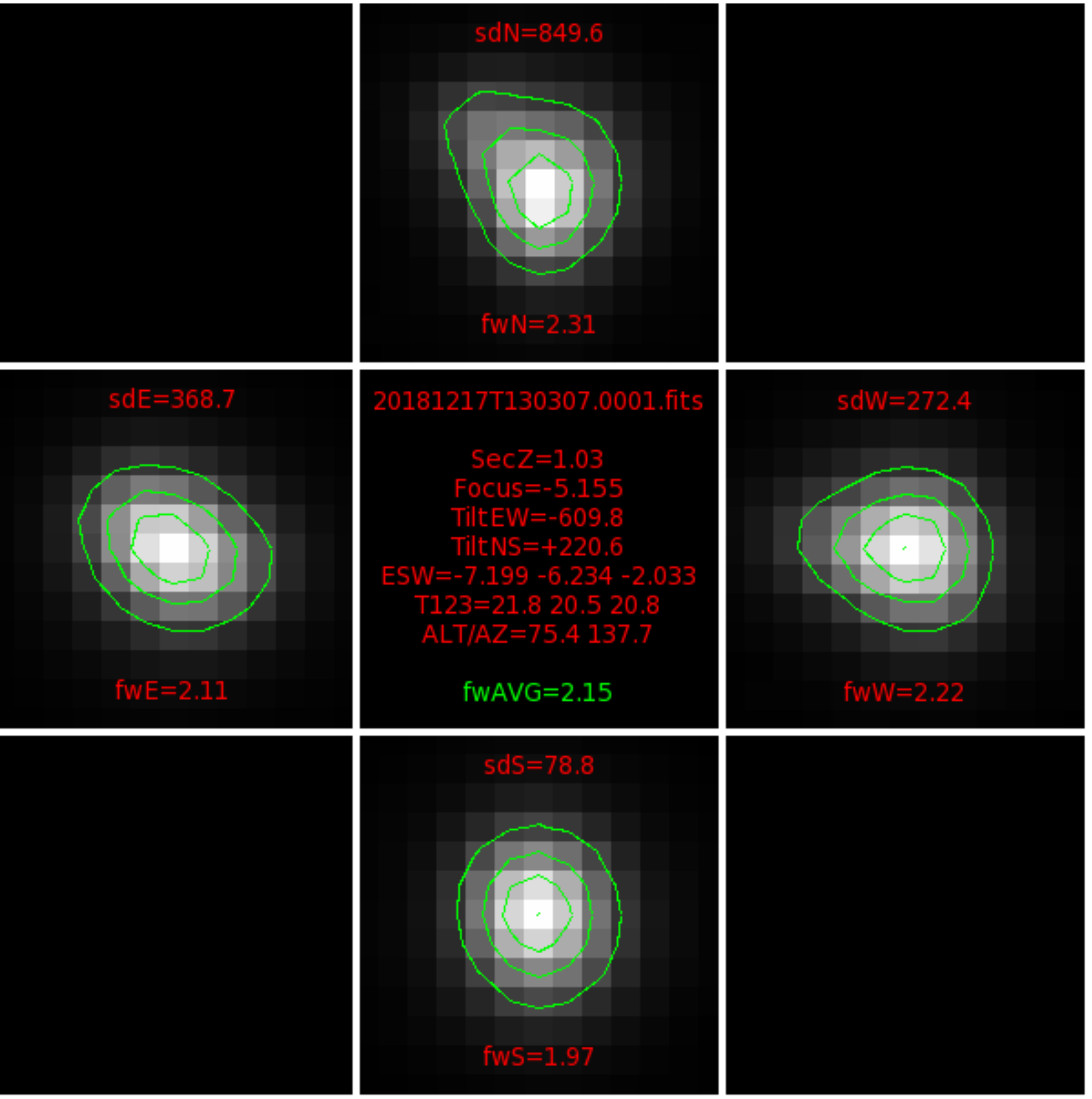
sdN=849.6
fwN=2.31
sdE=368.7
fwE=2.11
20181217T130307.0001.fits
SecZ=1.03
Focus=-5.155
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.199 -6.234 -2.033
T123=21.8 20.5 20.8
ALT/AZ=75.4 137.7
fwAVG=2.15
sdW=272.4
fwW=2.22
sdS=78.8
fwS=1.97
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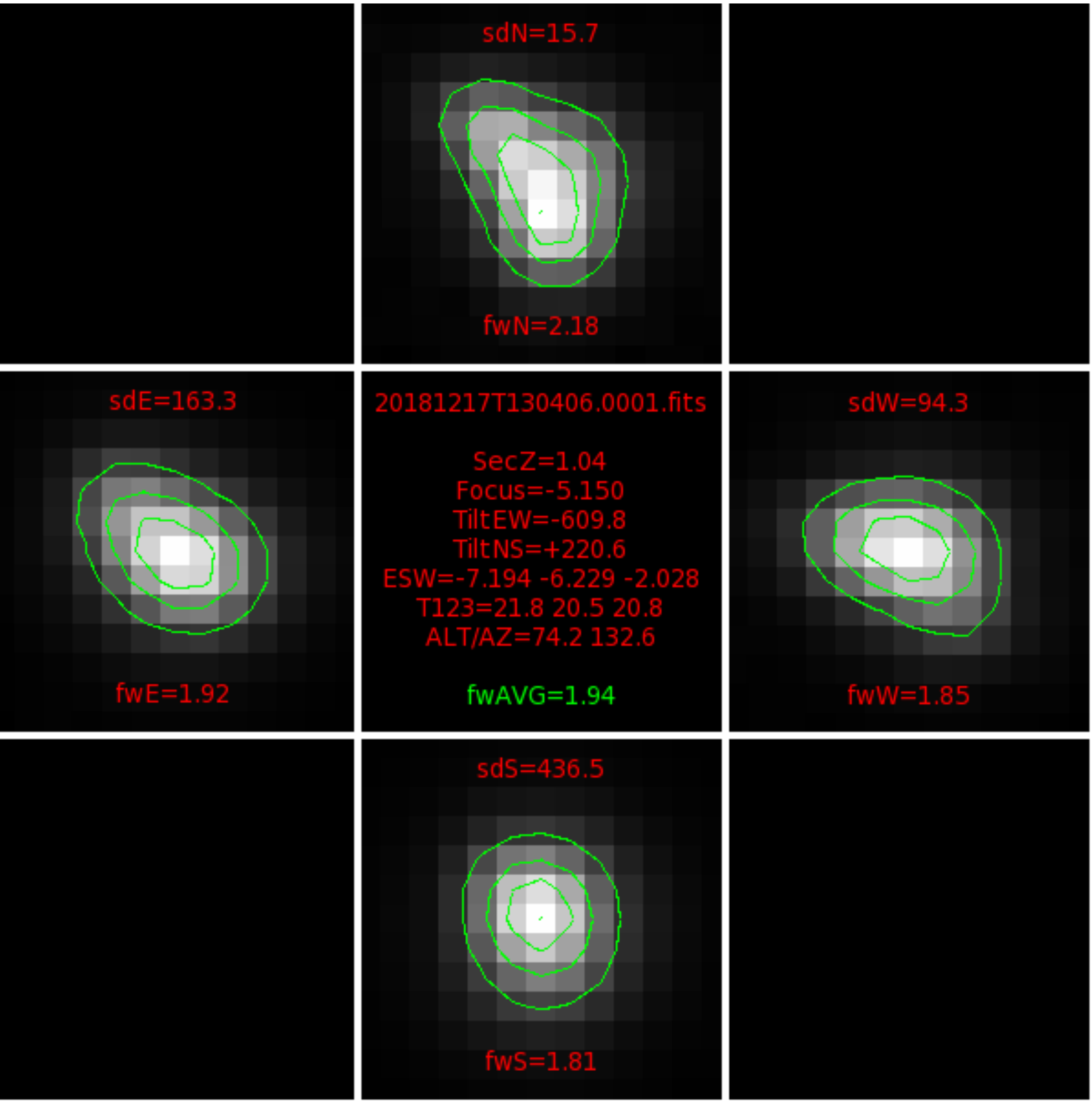
sdN=15.7
fwN=2.18
sdE=163.3
fwE=1.92
20181217T130406.0001.fits
SecZ=1.04
Focus=-5.150
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.194 -6.229 -2.028
T123=21.8 20.5 20.8
ALT/AZ=74.2 132.6
fwAVG=1.94
sdW=94.3
fwW=1.85
sdS=436.5
fwS=1.81
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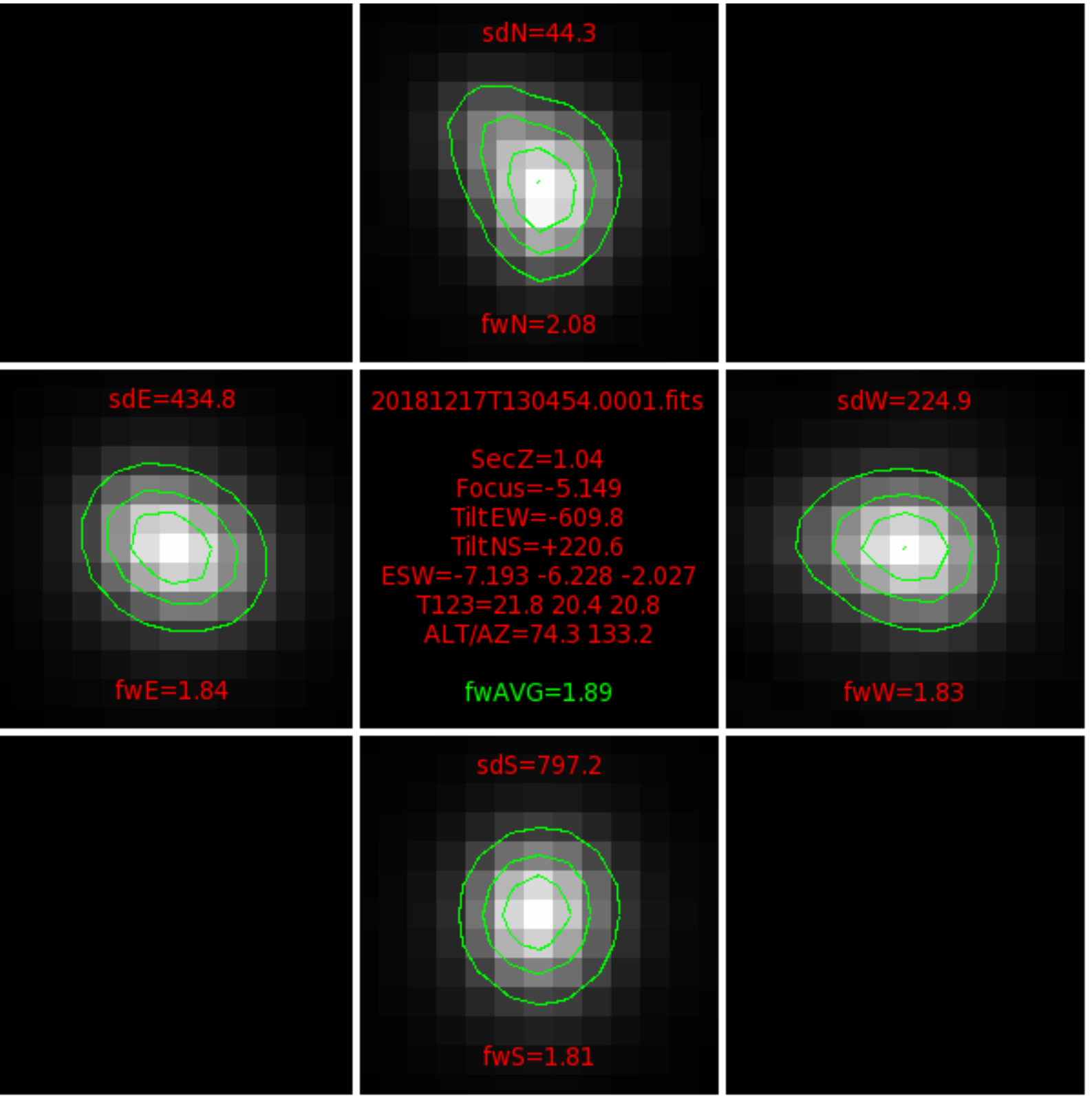
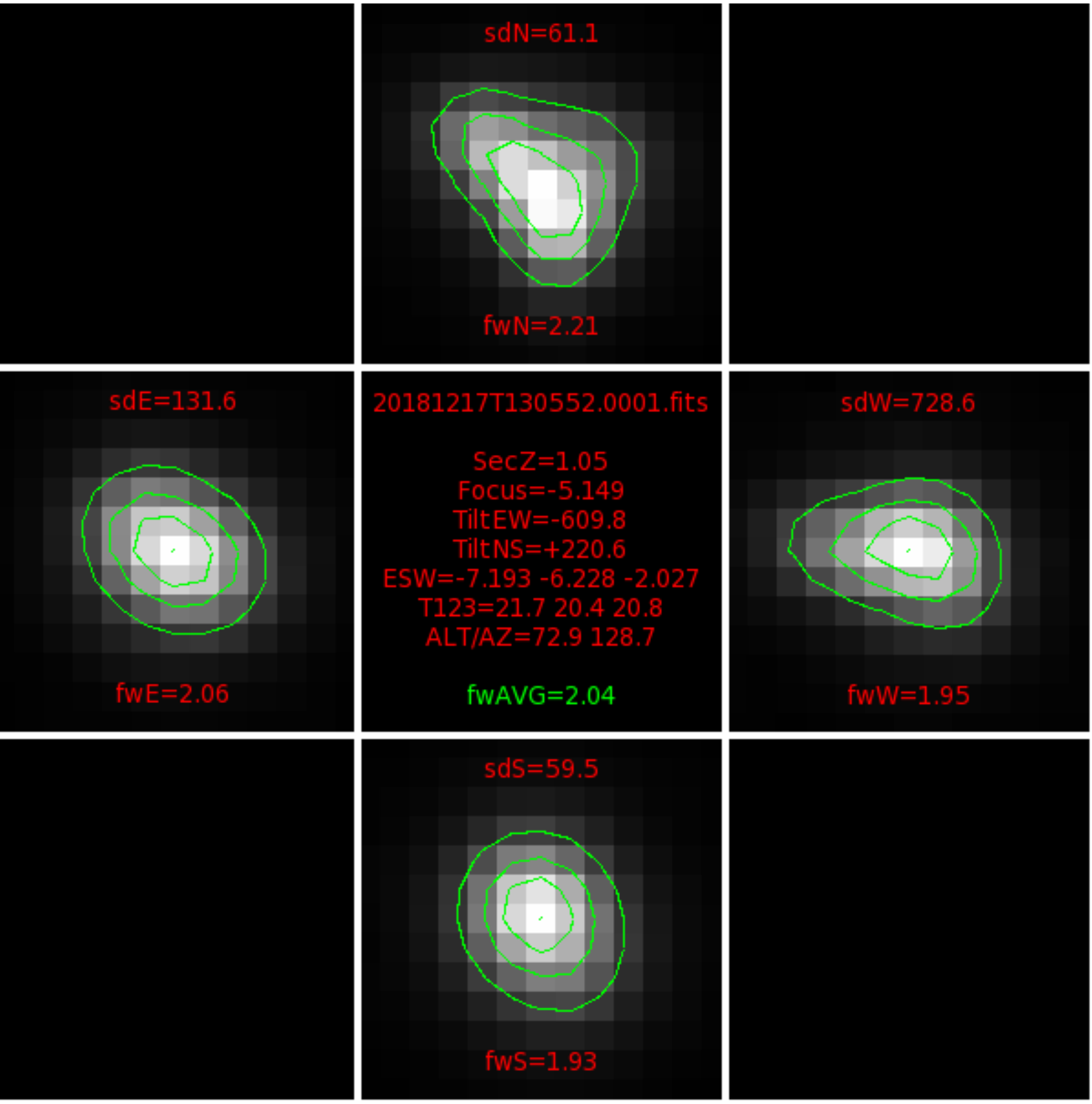

sdN=44.3
fwN=2.08
sdE=434.8
fwE=1.84
20181217T130454.0001.fits
SecZ=1.04
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.8 20.4 20.8
ALT/AZ=74.3 133.2
fwAVG=1.89
sdW=224.9
fwW=1.83
sdS=797.2
fwS=1.81
0 0 0 0 0 0 0 0 0


sdN=61.1
fwN=2.21
sdE=131.6
fwE=2.06
20181217T130552.0001.fits
SecZ=1.05
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.7 20.4 20.8
ALT/AZ=72.9 128.7
fwAVG=2.04
sdW=728.6
fwW=1.95
sdS=59.5
fwS=1.93
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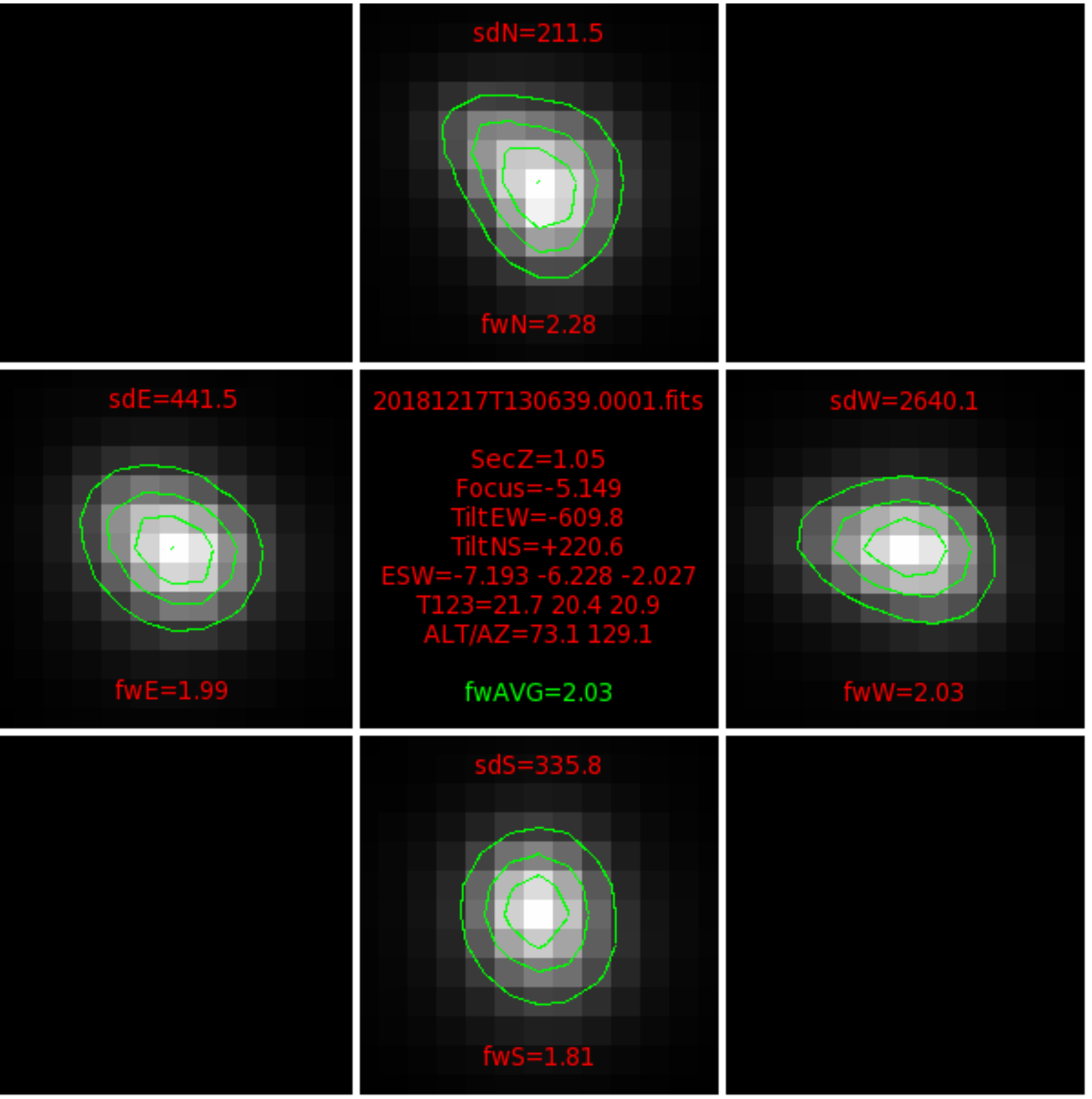
sdN=211.5
fwN=2.28
sdE=441.5
fwE=1.99
20181217T130639.0001.fits
SecZ=1.05
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.7 20.4 20.9
ALT/AZ=73.1 129.1
fwAVG=2.03
sdW=2640.1
fwW=2.03
sdS=335.8
fwS=1.81
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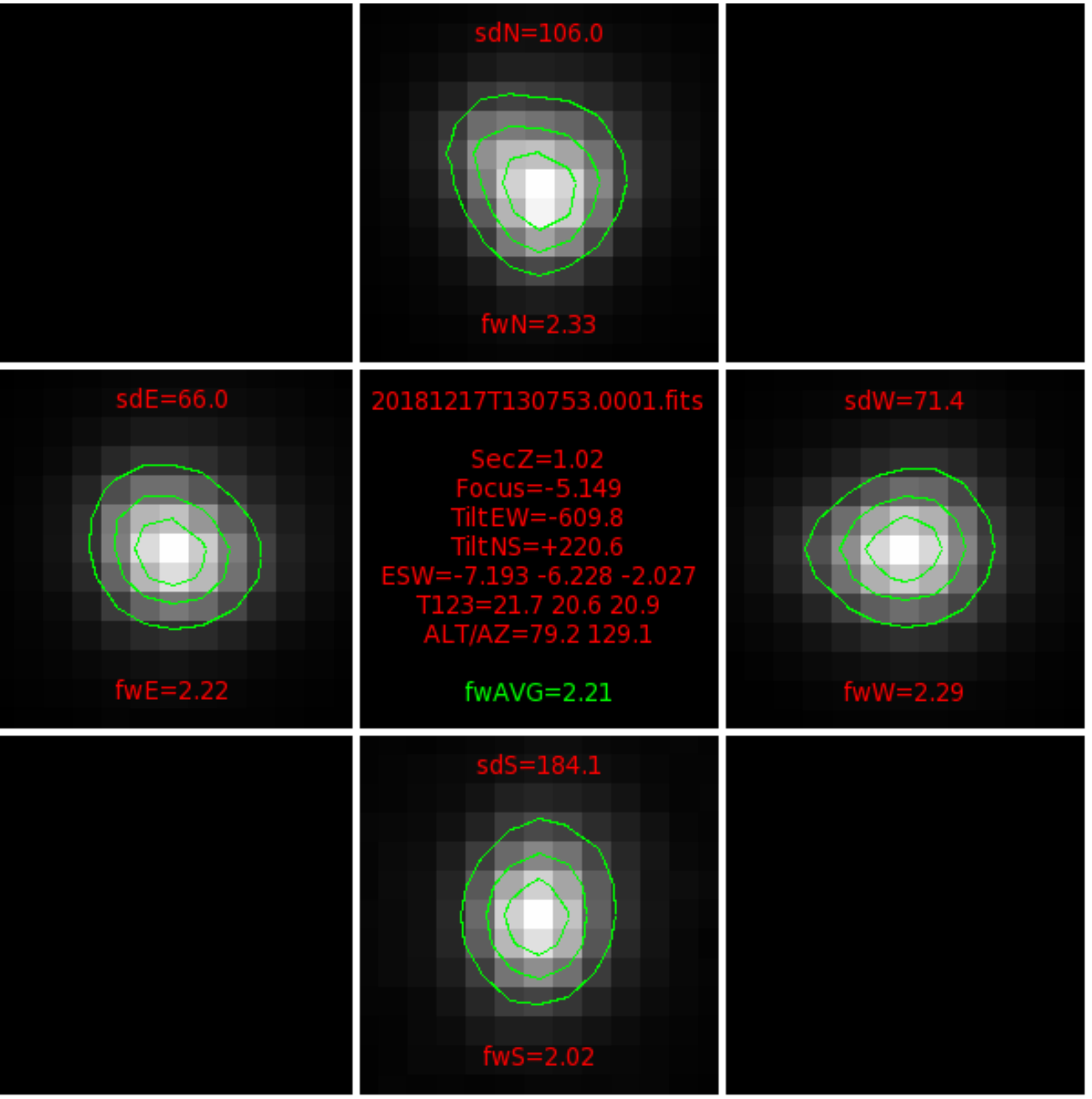
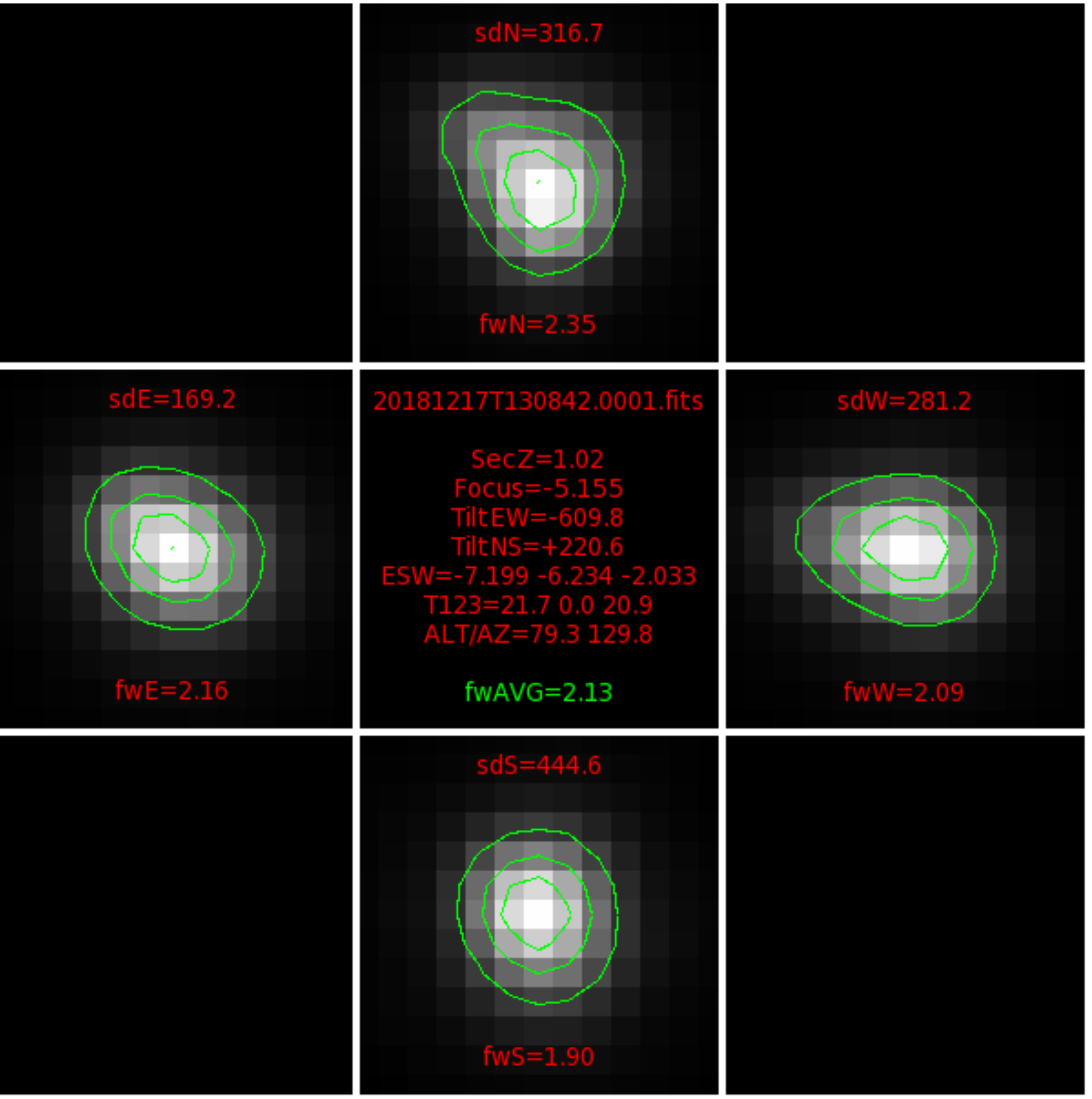

sdN=106.0
fwN=2.33
sdE=66.0
fwE=2.22
20181217T130753.0001.fits
SecZ=1.02
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.7 20.6 20.9
ALT/AZ=79.2 129.1
fwAVG=2.21
sdW=71.4
fwW=2.29
sdS=184.1
fwS=2.02
0 0 0 0 0 0 0 0 0


sdN=316.7
fwN=2.35
sdE=169.2
fwE=2.16
20181217T130842.0001.fits
SecZ=1.02
Focus=-5.155
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.199 -6.234 -2.033
T123=21.7 0.0 20.9
ALT/AZ=79.3 129.8
fwAVG=2.13
sdW=281.2
fwW=2.09
sdS=444.6
fwS=1.90
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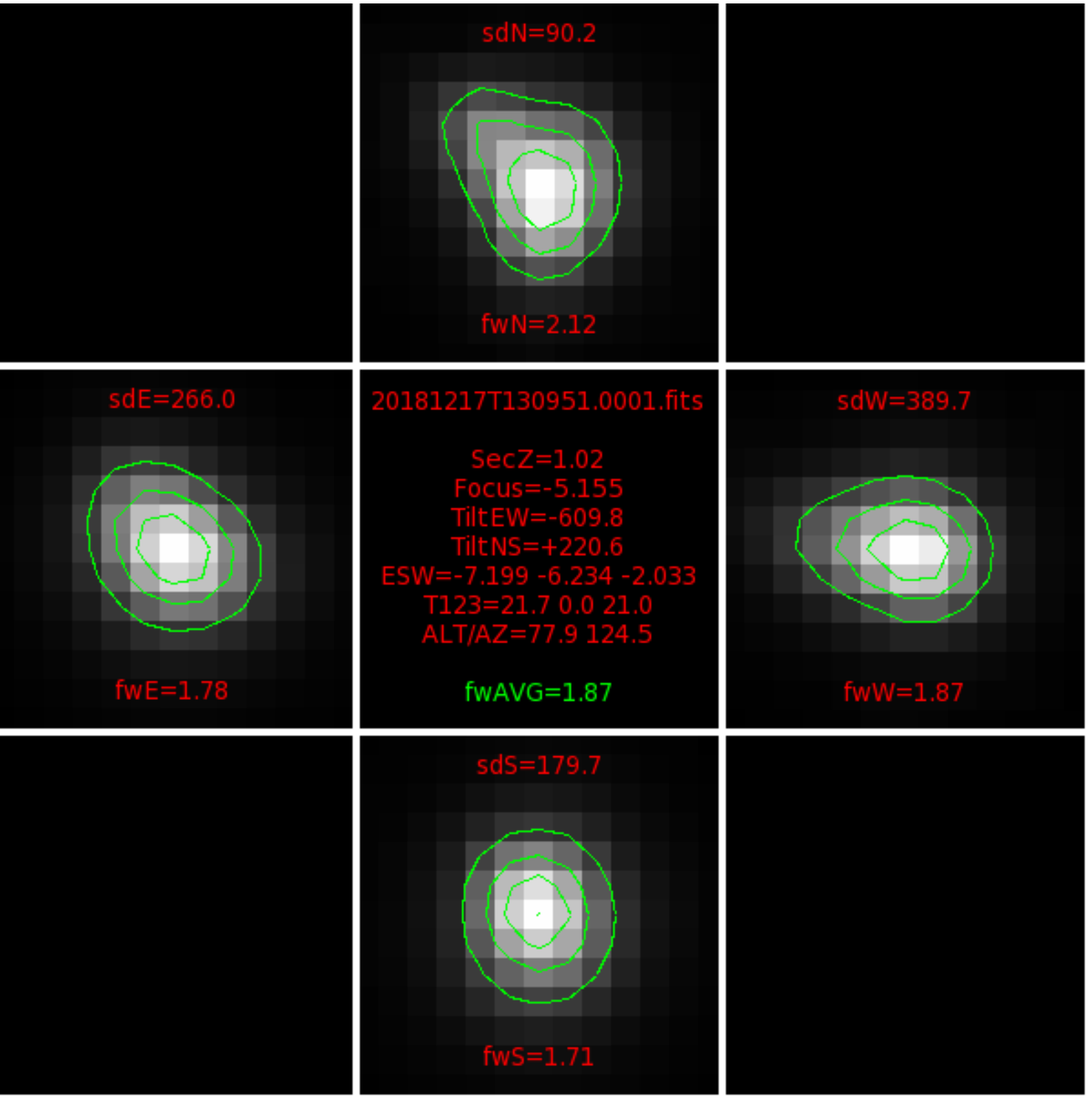
sdN=90.2
fwN=2.12
sdE=266.0
fwE=1.78
20181217T130951.0001.fits
SecZ=1.02
Focus=-5.155
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.199 -6.234 -2.033
T123=21.7 0.0 21.0
ALT/AZ=77.9 124.5
fwAVG=1.87
sdW=389.7
fwW=1.87
sdS=179.7
fwS=1.71
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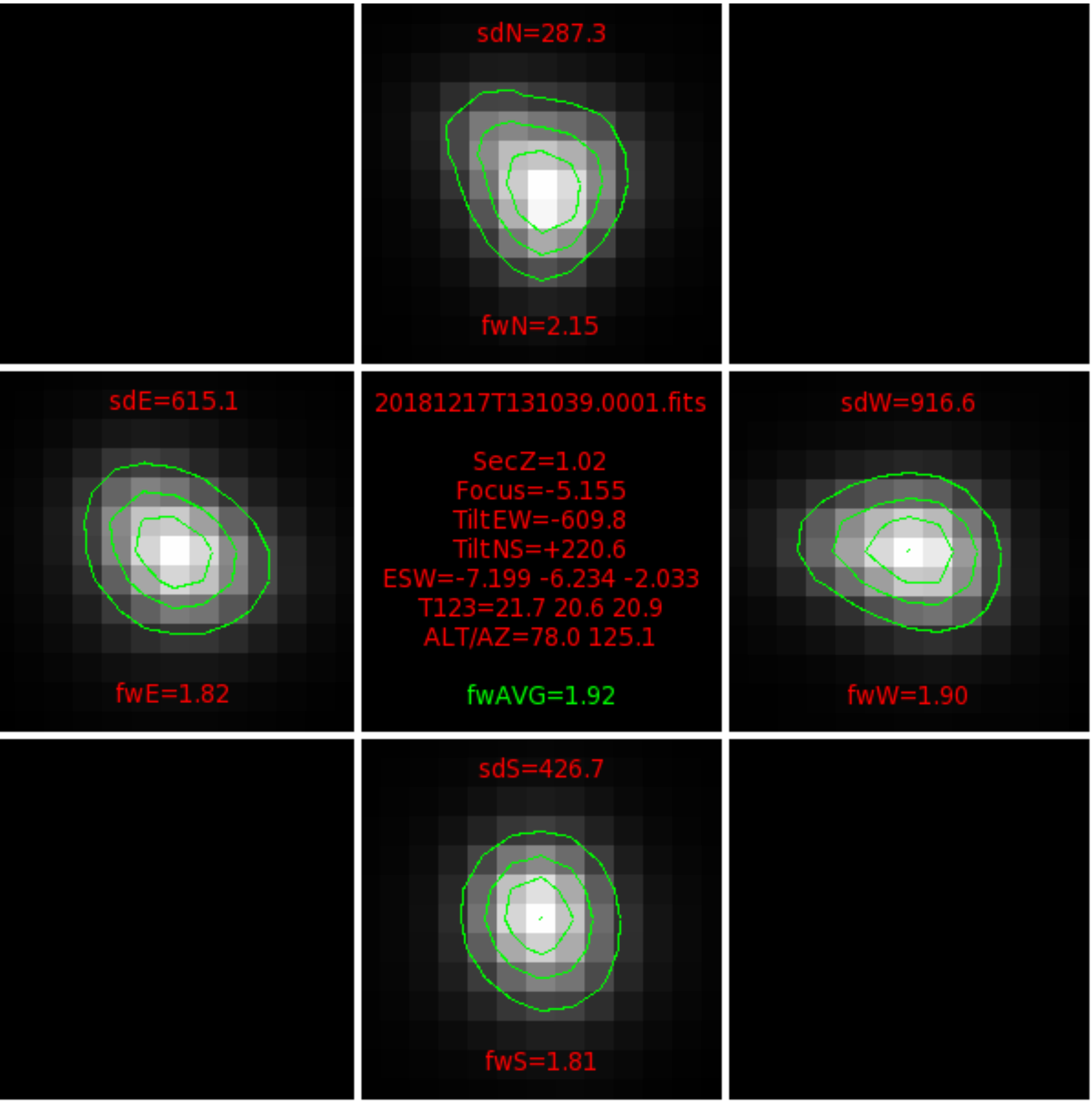
sdN=287.3
fwN=2.15
sdE=615.1
fwE=1.82
20181217T131039.0001.fits
SecZ=1.02
Focus=-5.155
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.199 -6.234 -2.033
T123=21.7 20.6 20.9
ALT/AZ=78.0 125.1
fwAVG=1.92
sdW=916.6
fwW=1.90
sdS=426.7
fwS=1.81
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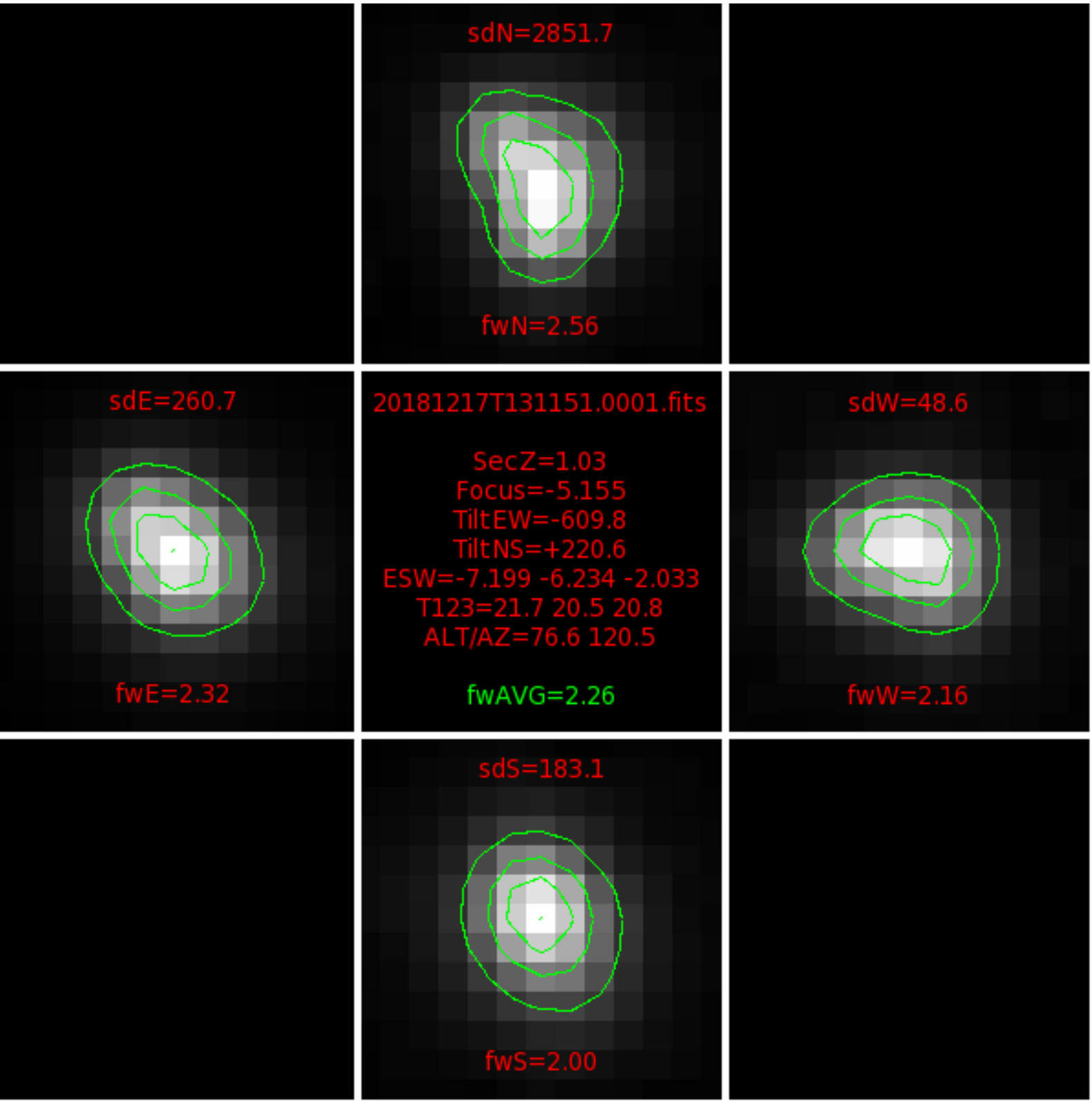
sdN=2851.7
fwN=2.56
sdE=260.7
fwE=2.32
20181217T131151.0001.fits
SecZ=1.03
Focus=-5.155
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.199 -6.234 -2.033
T123=21.7 20.5 20.8
ALT/AZ=76.6 120.5
fwAVG=2.26
sdW=48.6
fwW=2.16
sdS=183.1
fwS=2.00
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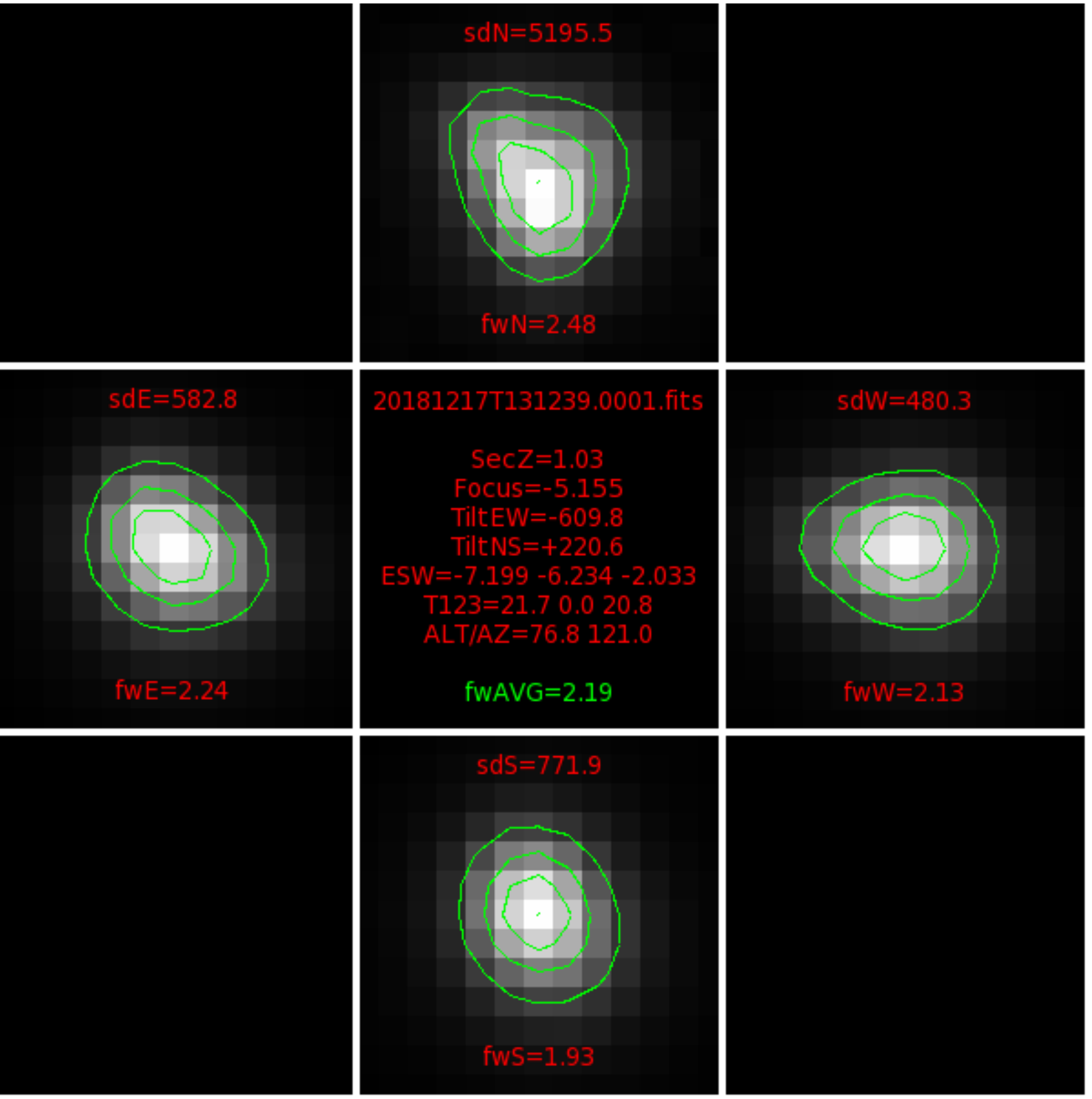
sdN=5195.5
fwN=2.48
sdE=582.8
fwE=2.24
20181217T131239.0001.fits
SecZ=1.03
Focus=-5.155
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.199 -6.234 -2.033
T123=21.7 0.0 20.8
ALT/AZ=76.8 121.0
fwAVG=2.19
sdW=480.3
fwW=2.13
sdS=771.9
fwS=1.93
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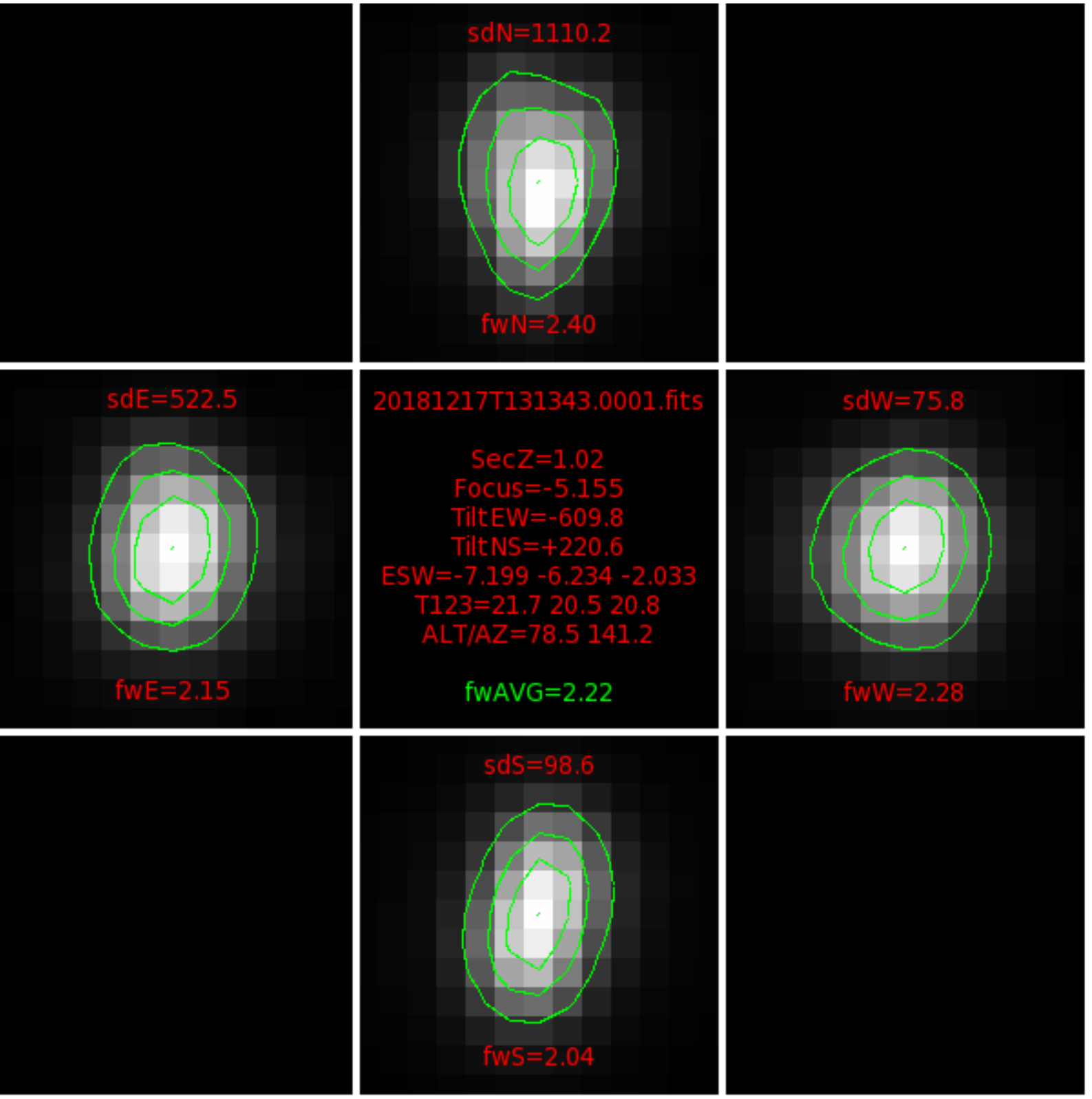
sdN=1110.2
fwN=2.40
sdE=522.5
fwE=2.15
20181217T131343.0001.fits
SecZ=1.02
Focus=-5.155
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.199 -6.234 -2.033
T123=21.7 20.5 20.8
ALT/AZ=78.5 141.2
fwAVG=2.22
sdW=75.8
fwW=2.28
sdS=98.6
fwS=2.04
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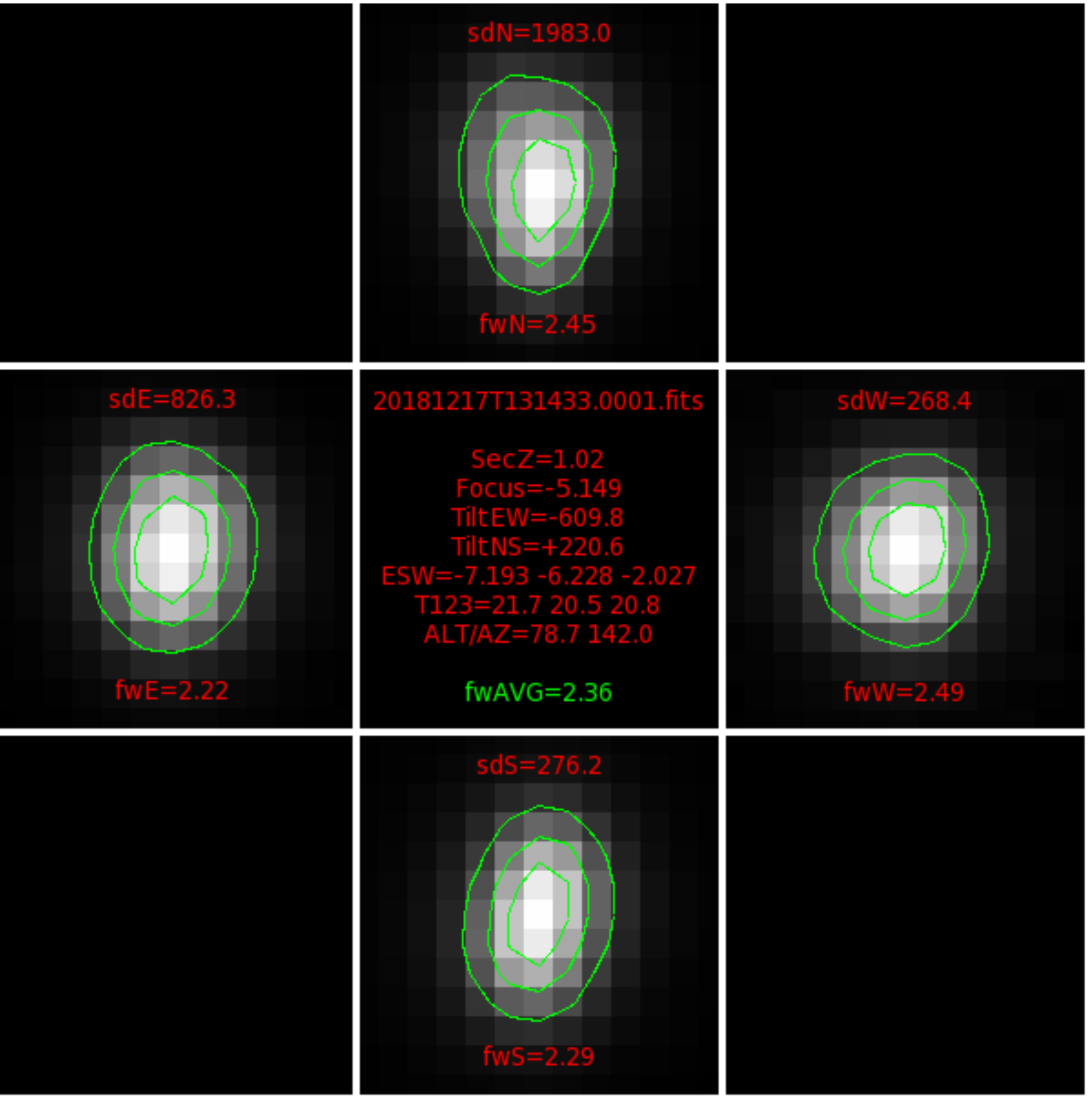
sdN=1983.0
fwN=2.45
sdE=826.3
fwE=2.22
20181217T131433.0001.fits
SecZ=1.02
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.7 20.5 20.8
ALT/AZ=78.7 142.0
fwAVG=2.36
sdW=268.4
fwW=2.49
sdS=276.2
fwS=2.29
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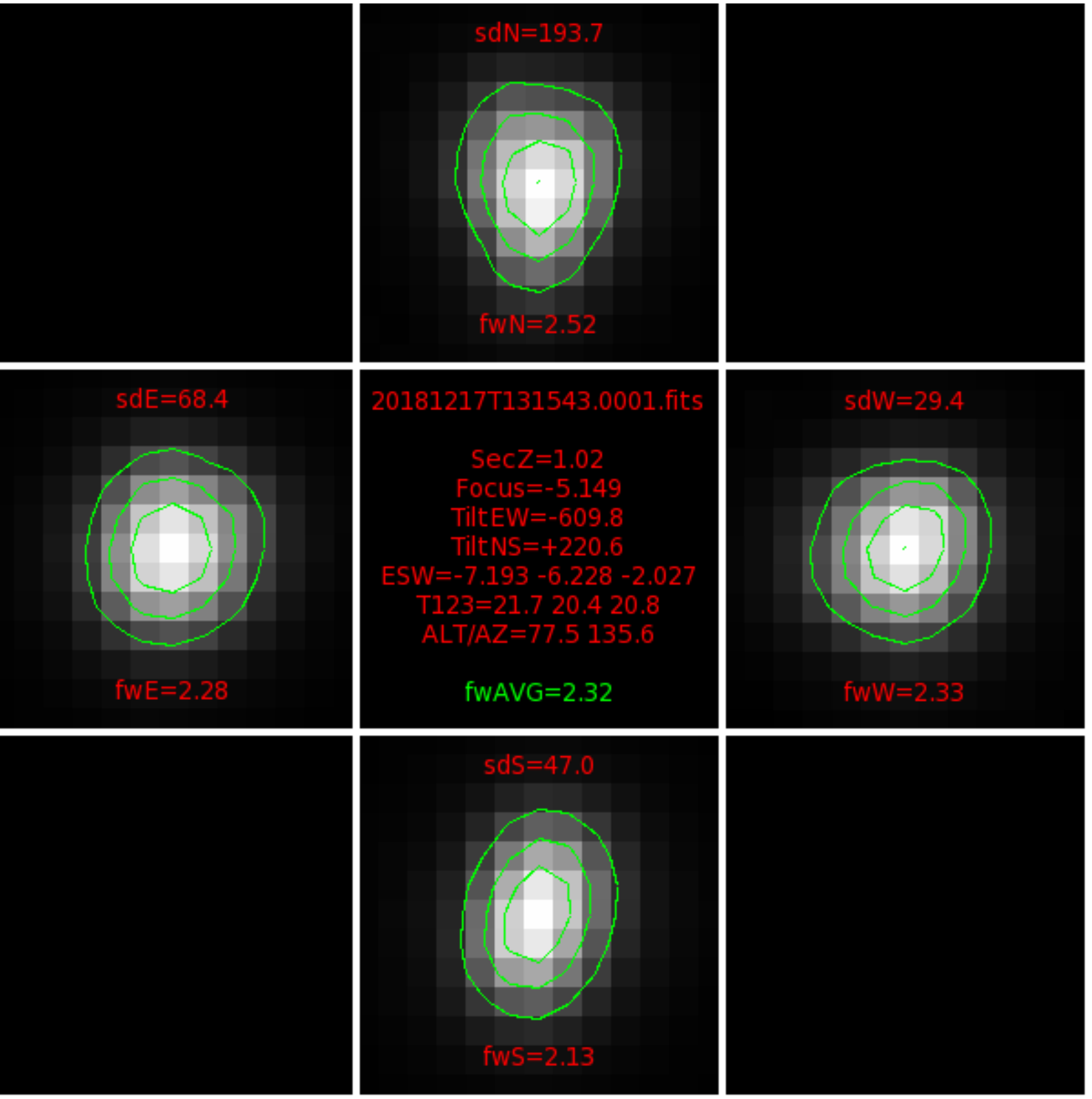
sdN=193.7
fwN=2.52
sdE=68.4
fwE=2.28
20181217T131543.0001.fits
SecZ=1.02
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.7 20.4 20.8
ALT/AZ=77.5 135.6
fwAVG=2.32
sdW=29.4
fwW=2.33
sdS=47.0
fwS=2.13
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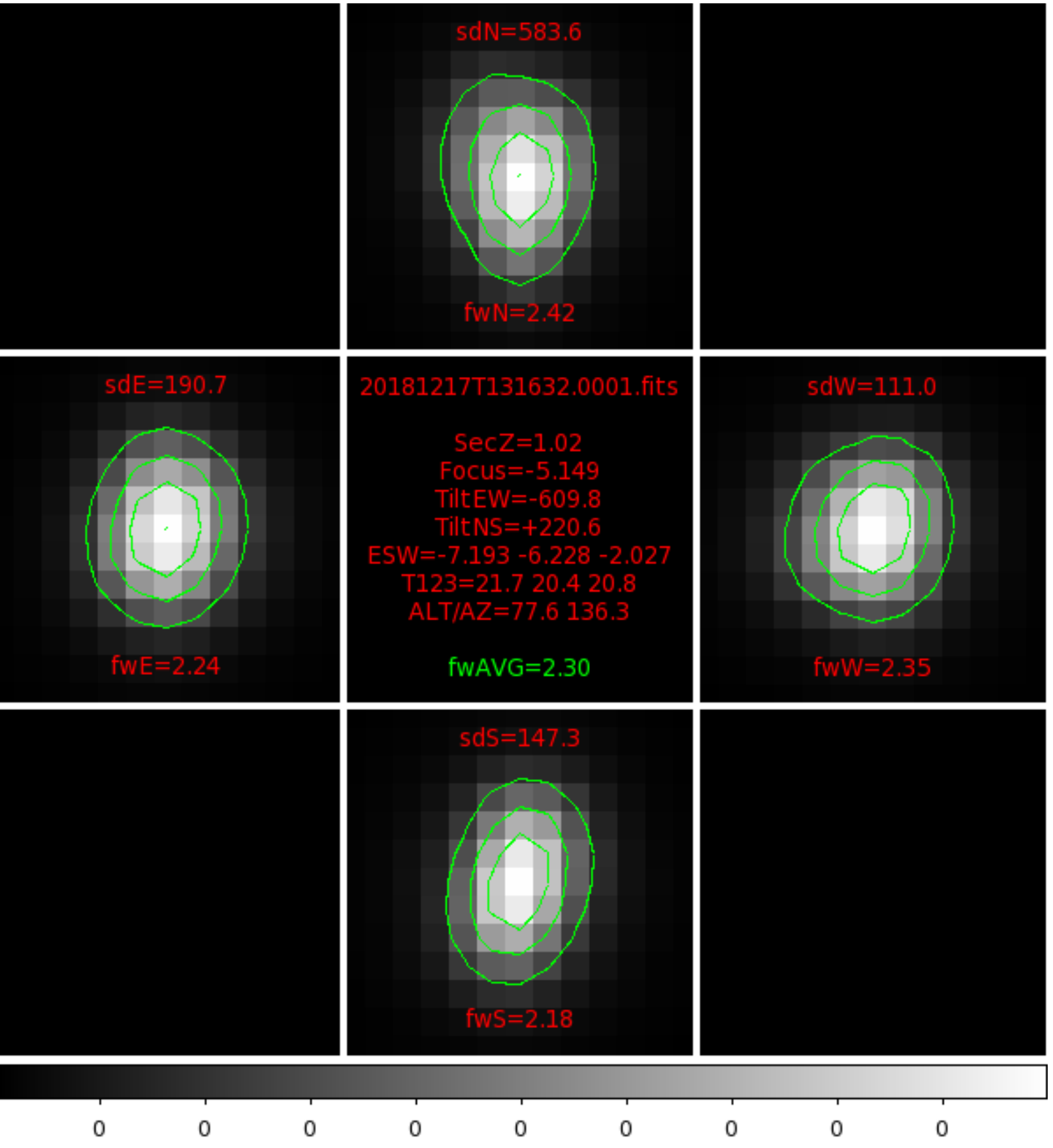
sdN=583.6
fwN=2.42
sdE=190.7
fwE=2.24
20181217T131632.0001.fits
SecZ=1.02
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.7 20.4 20.8
ALT/AZ=77.6 136.3
fwAVG=2.30
sdW=111.0
fwW=2.35
sdS=147.3
fwS=2.18
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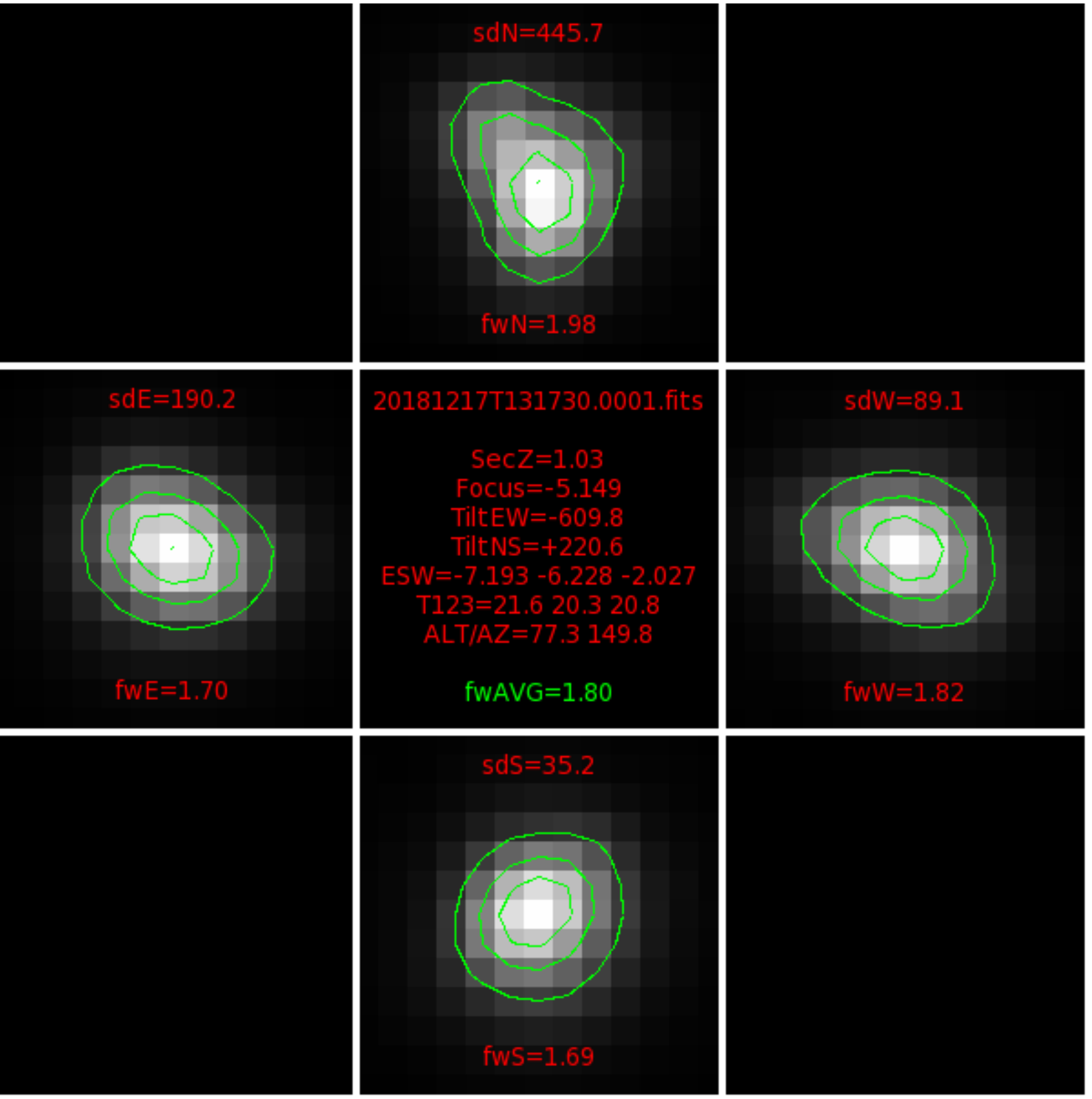
sdN=445.7
fwN=1.98
sdE=190.2
fwE=1.70
20181217T131730.0001.fits
SecZ=1.03
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.3 20.8
ALT/AZ=77.3 149.8
fwAVG=1.80
sdW=89.1
fwW=1.82
sdS=35.2
fwS=1.69
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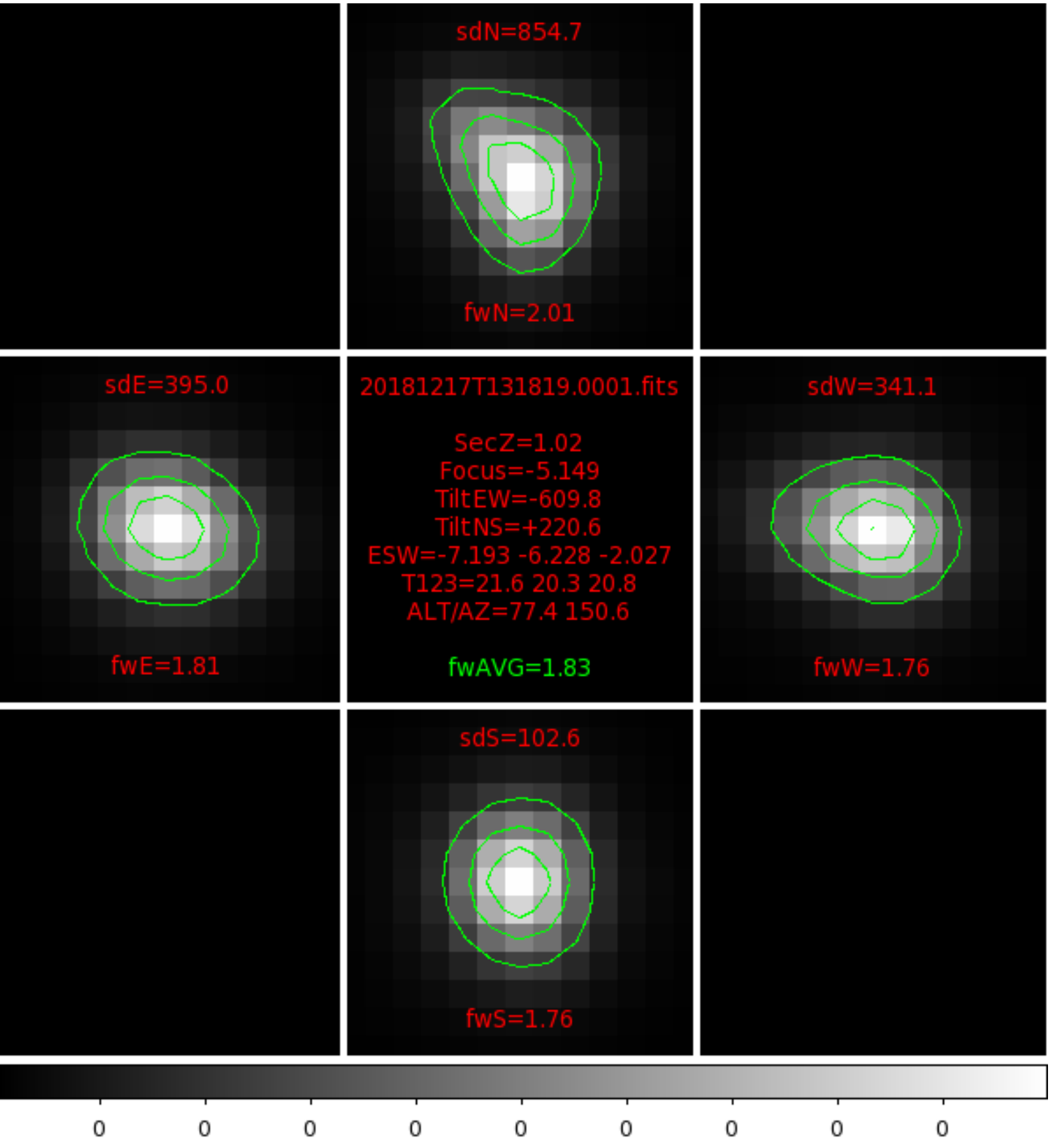
sdN=854.7
fwN=2.01
sdE=395.0
fwE=1.81
20181217T131819.0001.fits
SecZ=1.02
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.3 20.8
ALT/AZ=77.4 150.6
fwAVG=1.83
sdW=341.1
fwW=1.76
sdS=102.6
fwS=1.76
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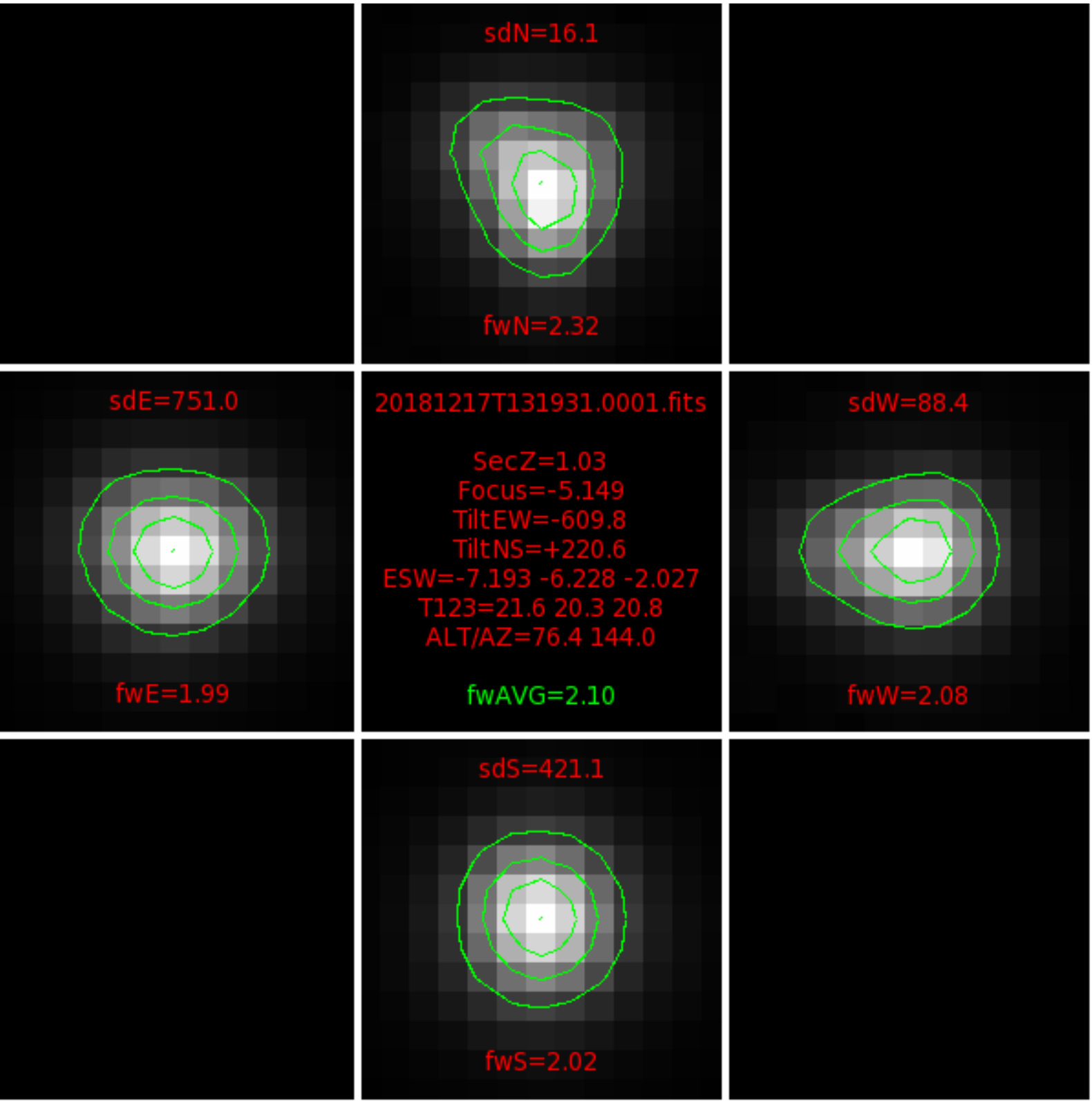
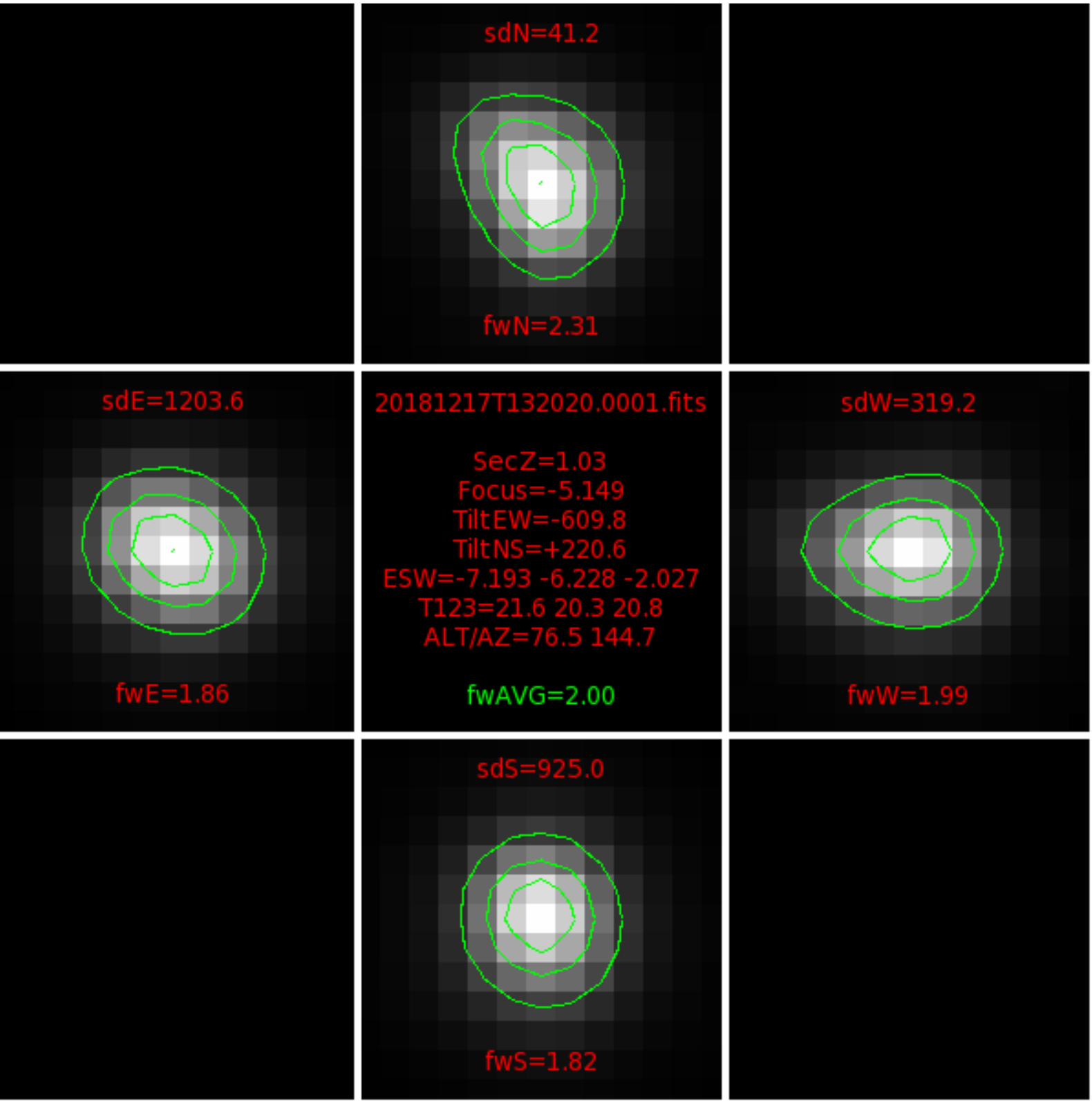

sdN=16.1
fwN=2.32
sdE=751.0
fwE=1.99
20181217T131931.0001.fits
SecZ=1.03
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.3 20.8
ALT/AZ=76.4 144.0
fwAVG=2.10
sdW=88.4
fwW=2.08
sdS=421.1
fwS=2.02
0 0 0 0 0 0 0 0 0


sdN=41.2
fwN=2.31
sdE=1203.6
fwE=1.86
20181217T132020.0001.fits
SecZ=1.03
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 20.3 20.8
ALT/AZ=76.5 144.7
fwAVG=2.00
sdW=319.2
fwW=1.99
sdS=925.0
fwS=1.82
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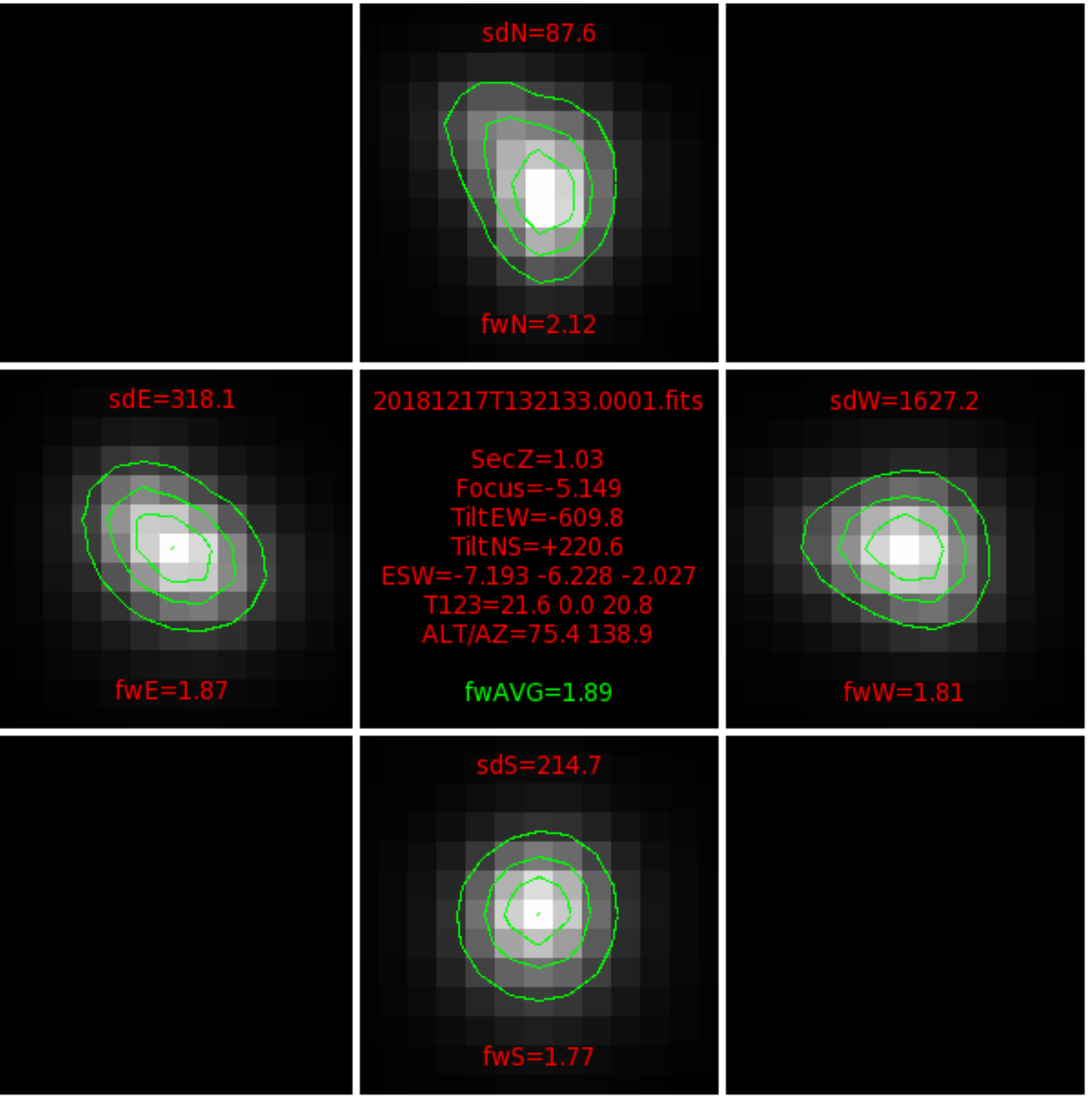
sdN=87.6
fwN=2.12
sdE=318.1
fwE=1.87
20181217T132133.0001.fits
SecZ=1.03
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 0.0 20.8
ALT/AZ=75.4 138.9
fwAVG=1.89
sdW=1627.2
fwW=1.81
sdS=214.7
fwS=1.77
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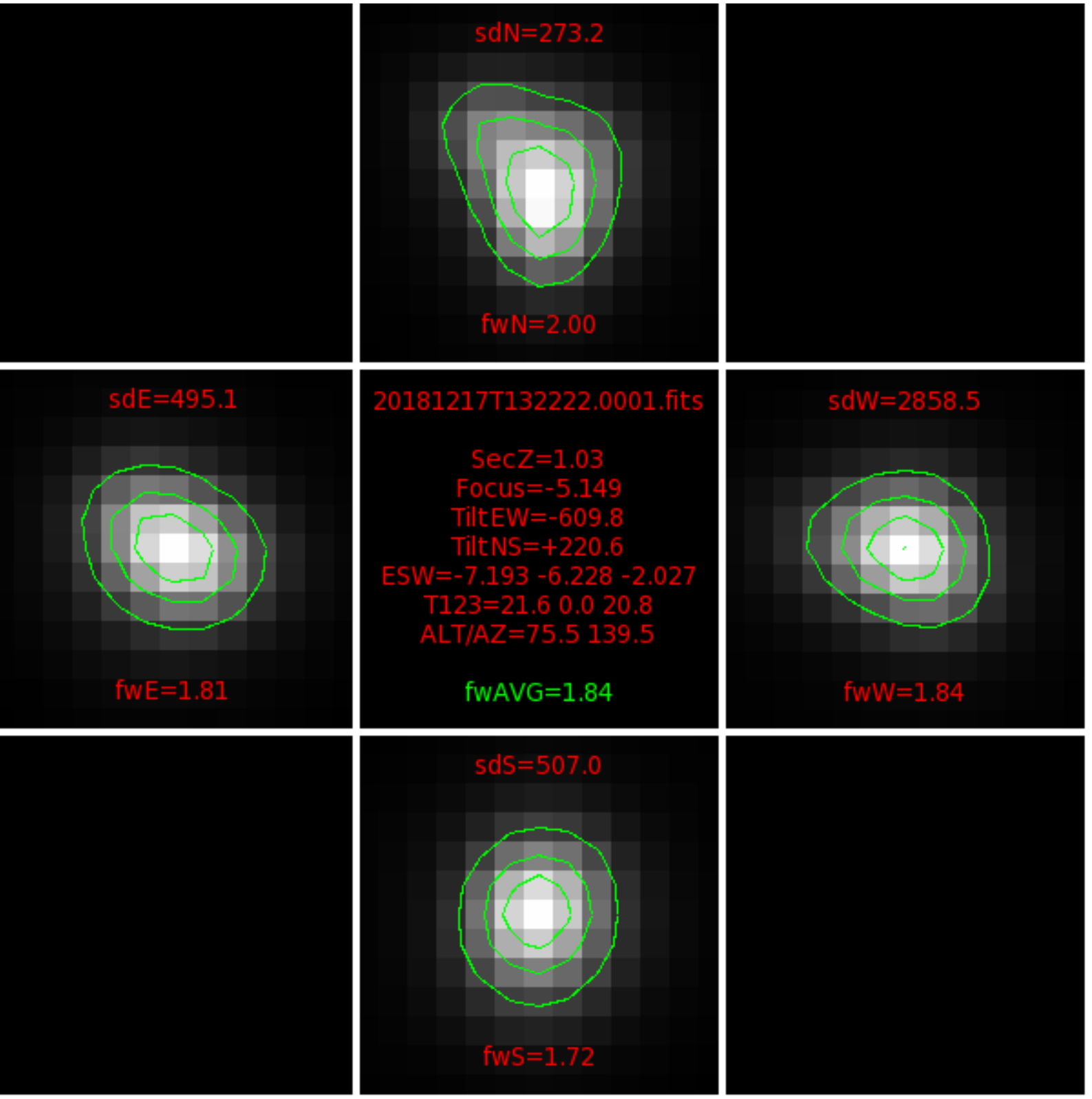
sdN=273.2
fwN=2.00
sdE=495.1
fwE=1.81
20181217T132222.0001.fits
SecZ=1.03
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.6 0.0 20.8
ALT/AZ=75.5 139.5
fwAVG=1.84
sdW=2858.5
fwW=1.84
sdS=507.0
fwS=1.72
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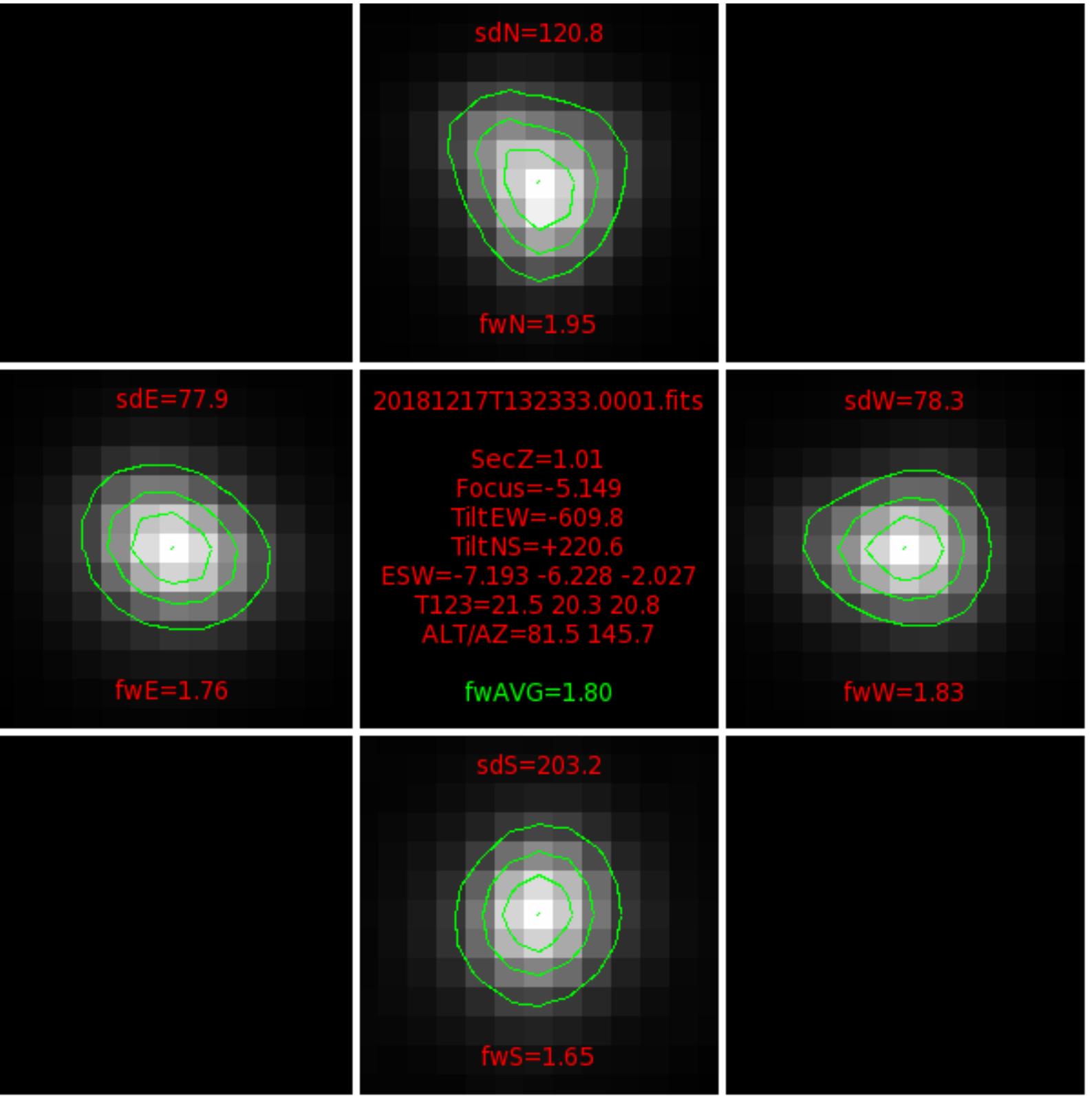
sdN=120.8
fwN=1.95
sdE=77.9
fwE=1.76
20181217T132333.0001.fits
SecZ=1.01
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.5 20.3 20.8
ALT/AZ=81.5 145.7
fwAVG=1.80
sdW=78.3
fwW=1.83
sdS=203.2
fwS=1.65
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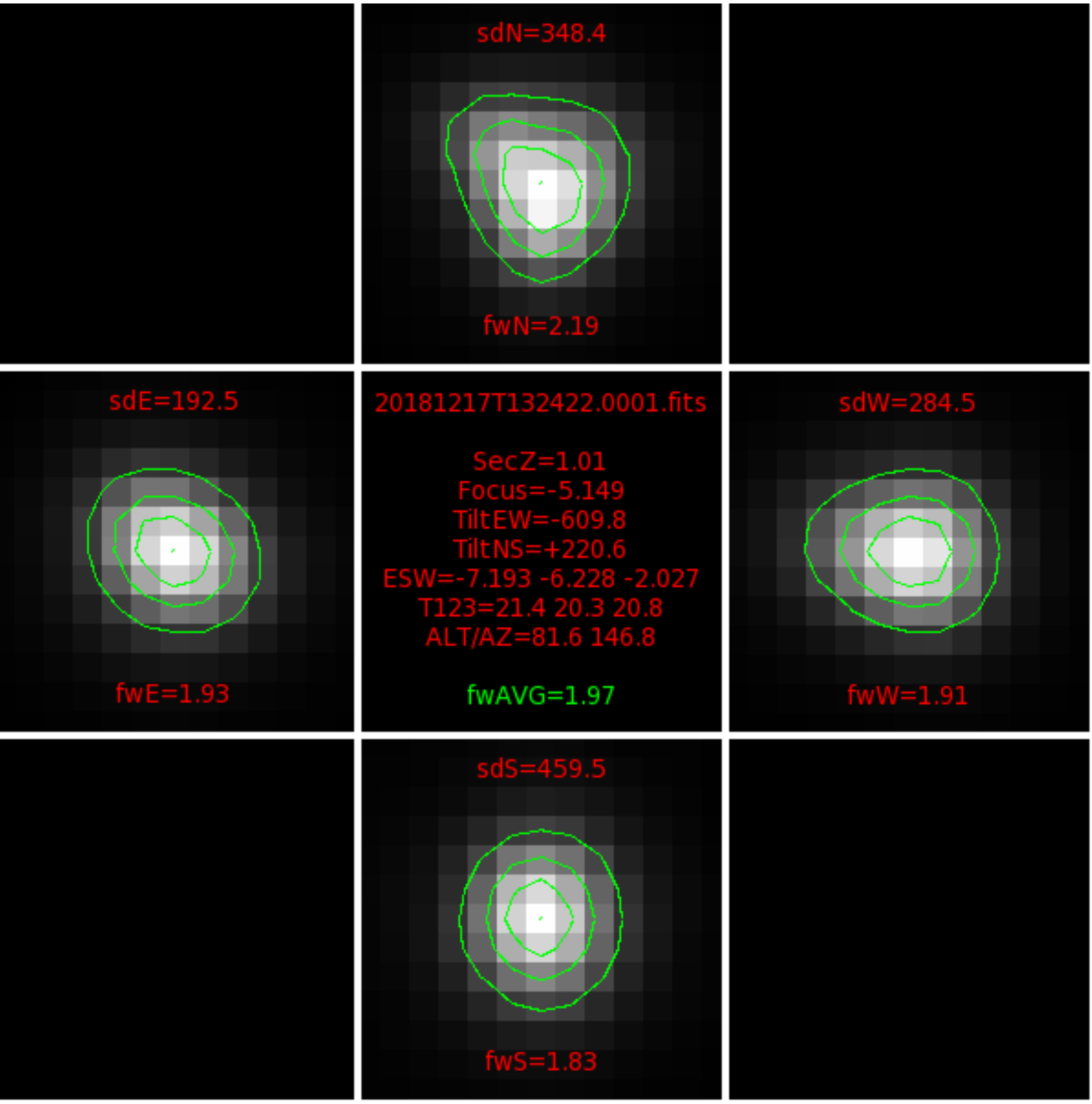
sdN=348.4
fwN=2.19
sdE=192.5
fwE=1.93
20181217T132422.0001.fits
SecZ=1.01
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.4 20.3 20.8
ALT/AZ=81.6 146.8
fwAVG=1.97
sdW=284.5
fwW=1.91
sdS=459.5
fwS=1.83
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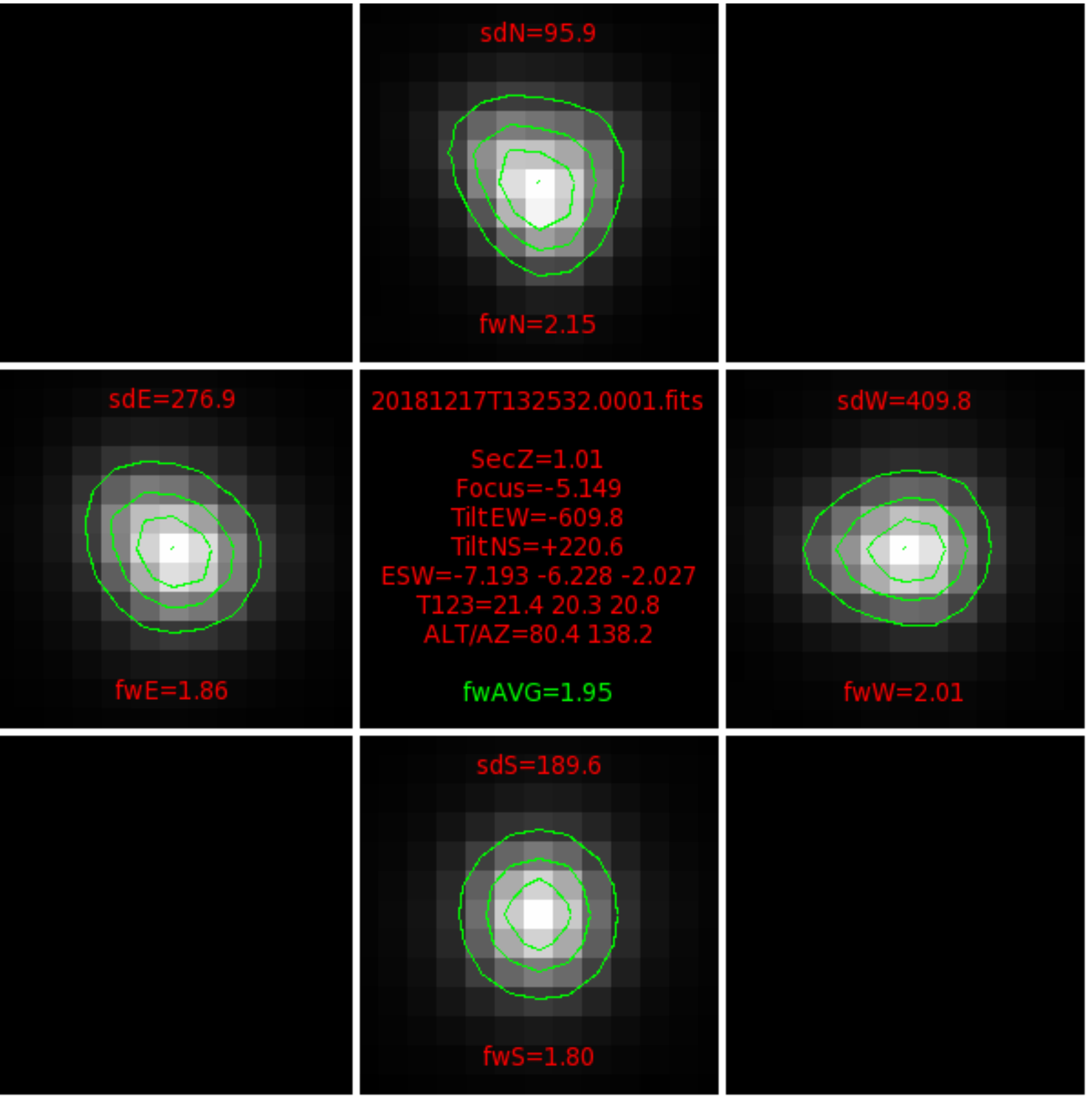
sdN=95.9
fwN=2.15
sdE=276.9
fwE=1.86
20181217T132532.0001.fits
SecZ=1.01
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.4 20.3 20.8
ALT/AZ=80.4 138.2
fwAVG=1.95
sdW=409.8
fwW=2.01
sdS=189.6
fwS=1.80
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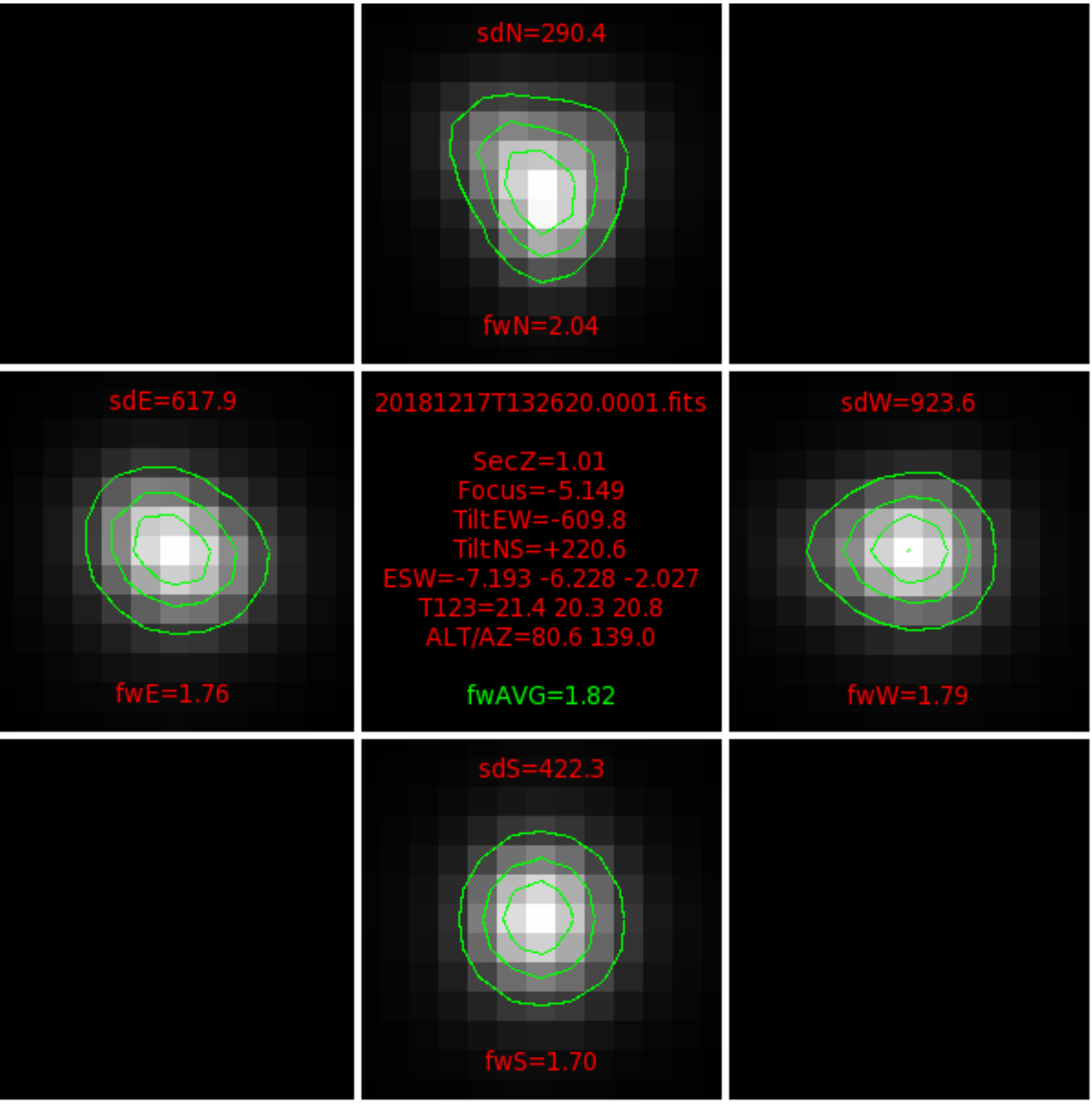
sdN=290.4
fwN=2.04
sdE=617.9
fwE=1.76
20181217T132620.0001.fits
SecZ=1.01
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.4 20.3 20.8
ALT/AZ=80.6 139.0
fwAVG=1.82
sdW=923.6
fwW=1.79
sdS=422.3
fwS=1.70
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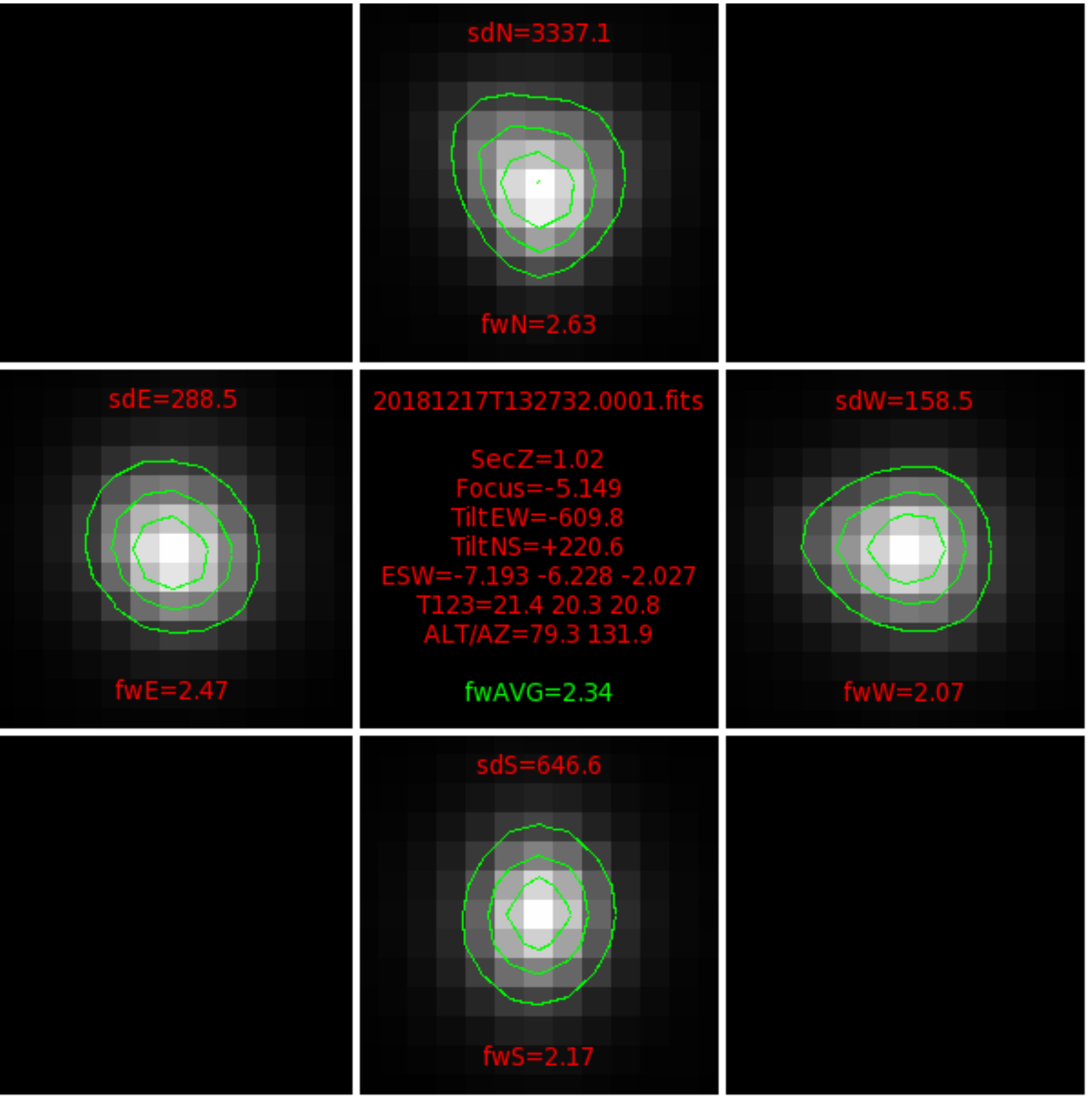
sdN=3337.1
fwN=2.63
sdE=288.5
fwE=2.47
20181217T132732.0001.fits
SecZ=1.02
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.4 20.3 20.8
ALT/AZ=79.3 131.9
fwAVG=2.34
sdW=158.5
fwW=2.07
sdS=646.6
fwS=2.17
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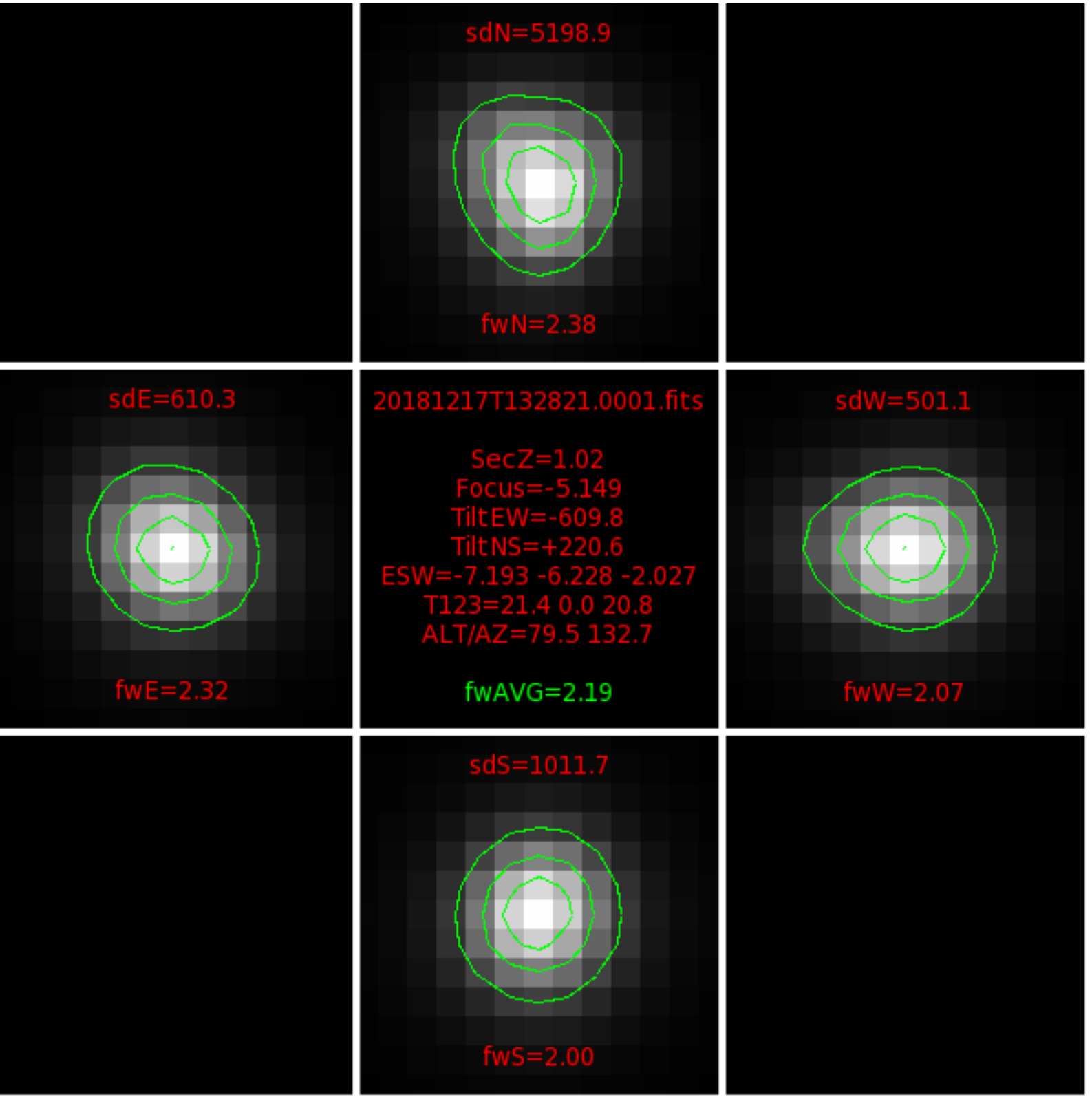
sdN=5198.9
fwN=2.38
sdE=610.3
fwE=2.32
20181217T132821.0001.fits
SecZ=1.02
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.4 0.0 20.8
ALT/AZ=79.5 132.7
fwAVG=2.19
sdW=501.1
fwW=2.07
sdS=1011.7
fwS=2.00
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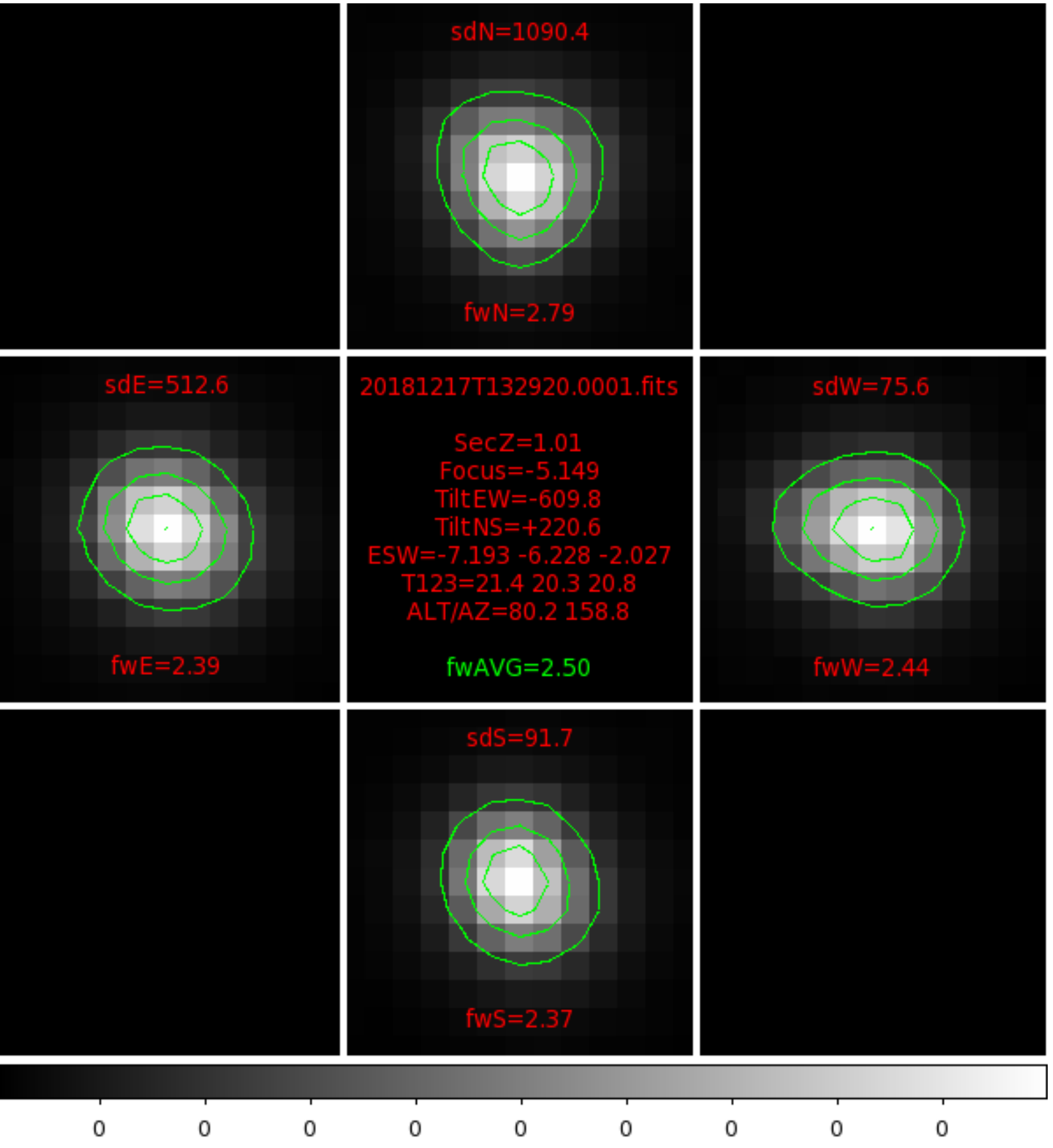
sdN=1090.4
fwN=2.79
sdE=512.6
fwE=2.39
20181217T132920.0001.fits
SecZ=1.01
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.4 20.3 20.8
ALT/AZ=80.2 158.8
fwAVG=2.50
sdW=75.6
fwW=2.44
sdS=91.7
fwS=2.37
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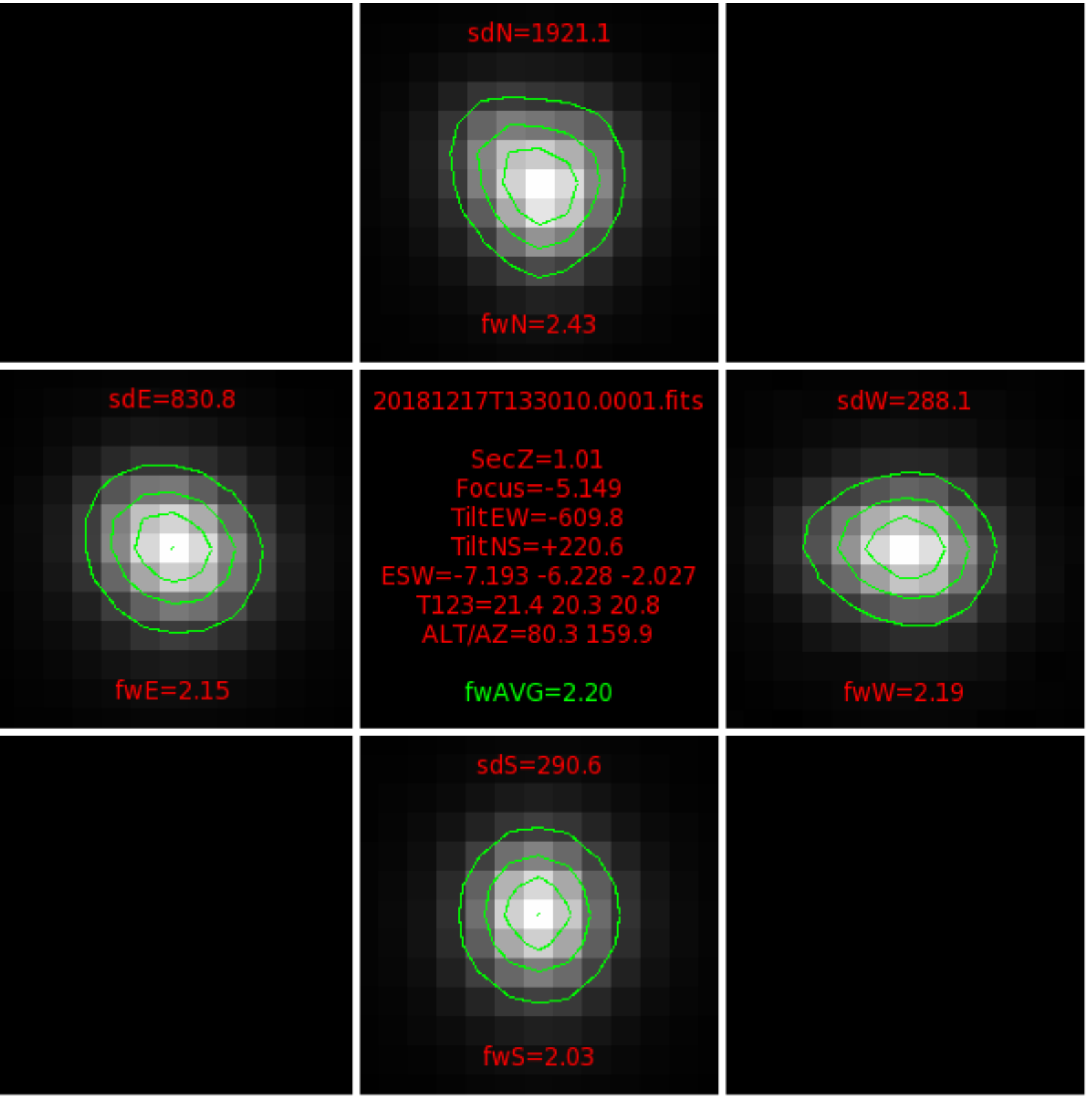
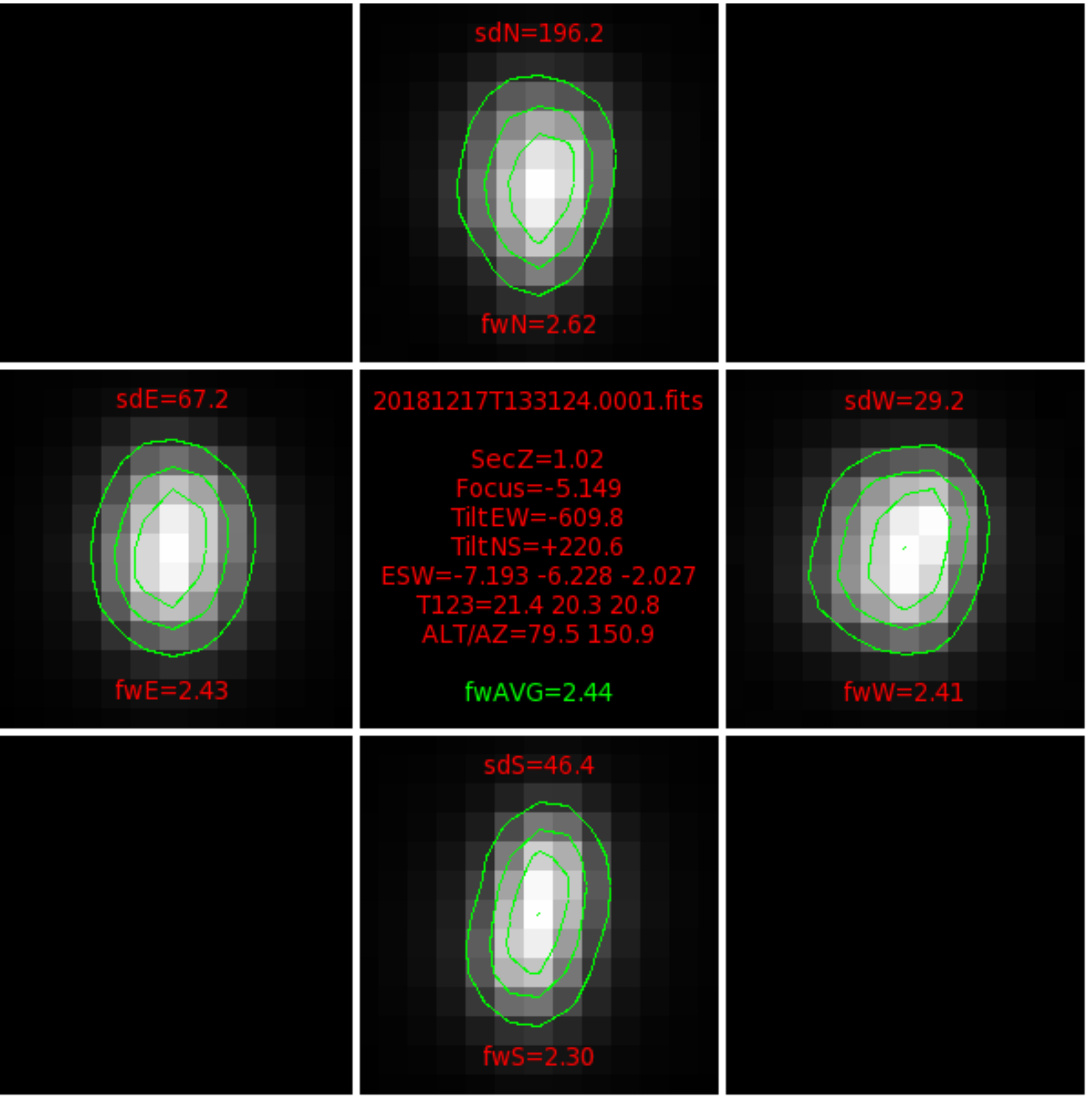

sdN=1921.1
fwN=2.43
sdE=830.8
fwE=2.15
20181217T133010.0001.fits
SecZ=1.01
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.4 20.3 20.8
ALT/AZ=80.3 159.9
fwAVG=2.20
sdW=288.1
fwW=2.19
sdS=290.6
fwS=2.03
0 0 0 0 0 0 0 0 0


sdN=196.2
fwN=2.62
sdE=67.2
fwE=2.43
20181217T133124.0001.fits
SecZ=1.02
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.4 20.3 20.8
ALT/AZ=79.5 150.9
fwAVG=2.44
sdW=29.2
fwW=2.41
sdS=46.4
fwS=2.30
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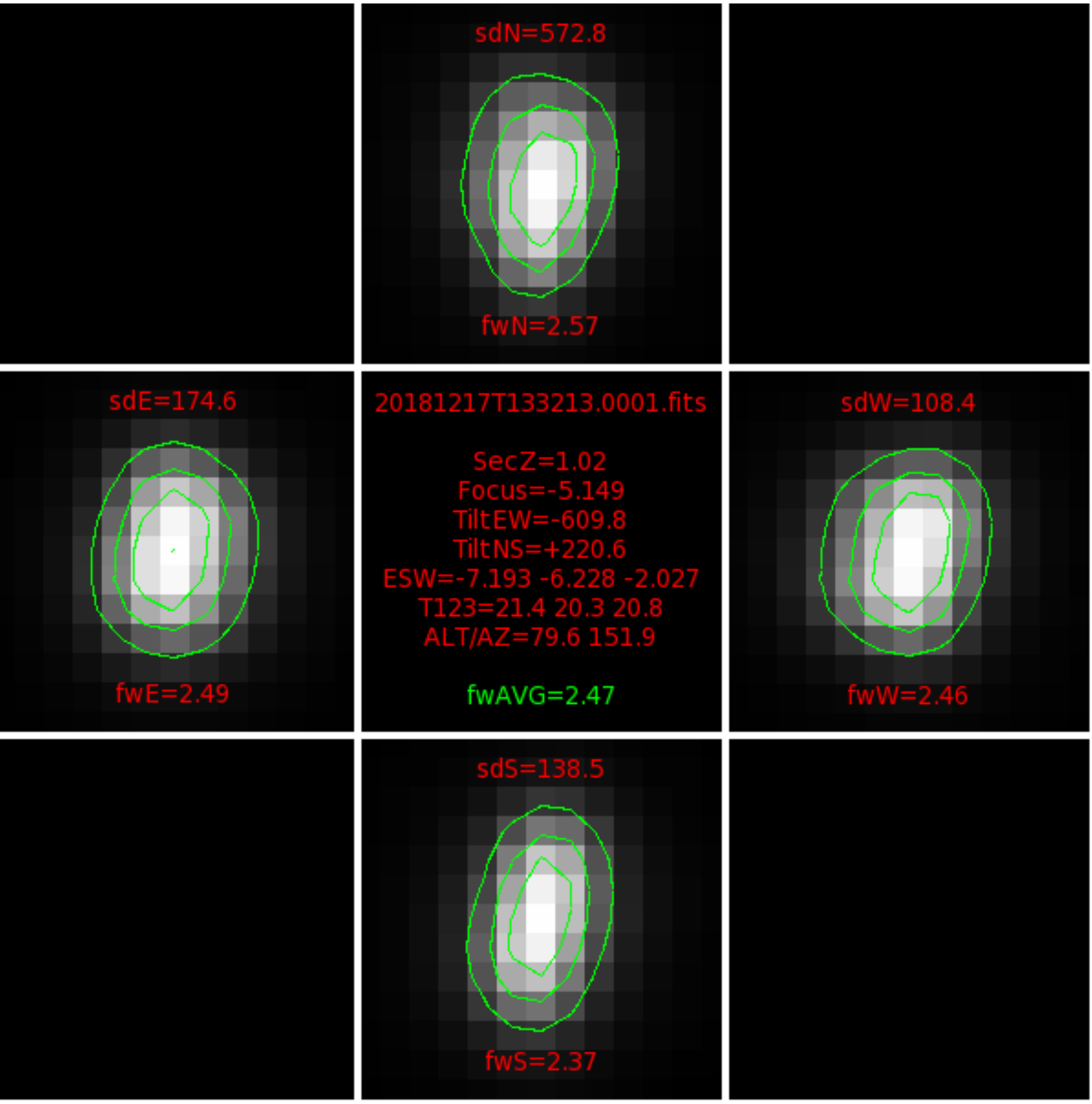
sdN=572.8
fwN=2.57
sdE=174.6
fwE=2.49
20181217T133213.0001.fits
SecZ=1.02
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.4 20.3 20.8
ALT/AZ=79.6 151.9
fwAVG=2.47
sdW=108.4
fwW=2.46
sdS=138.5
fwS=2.37
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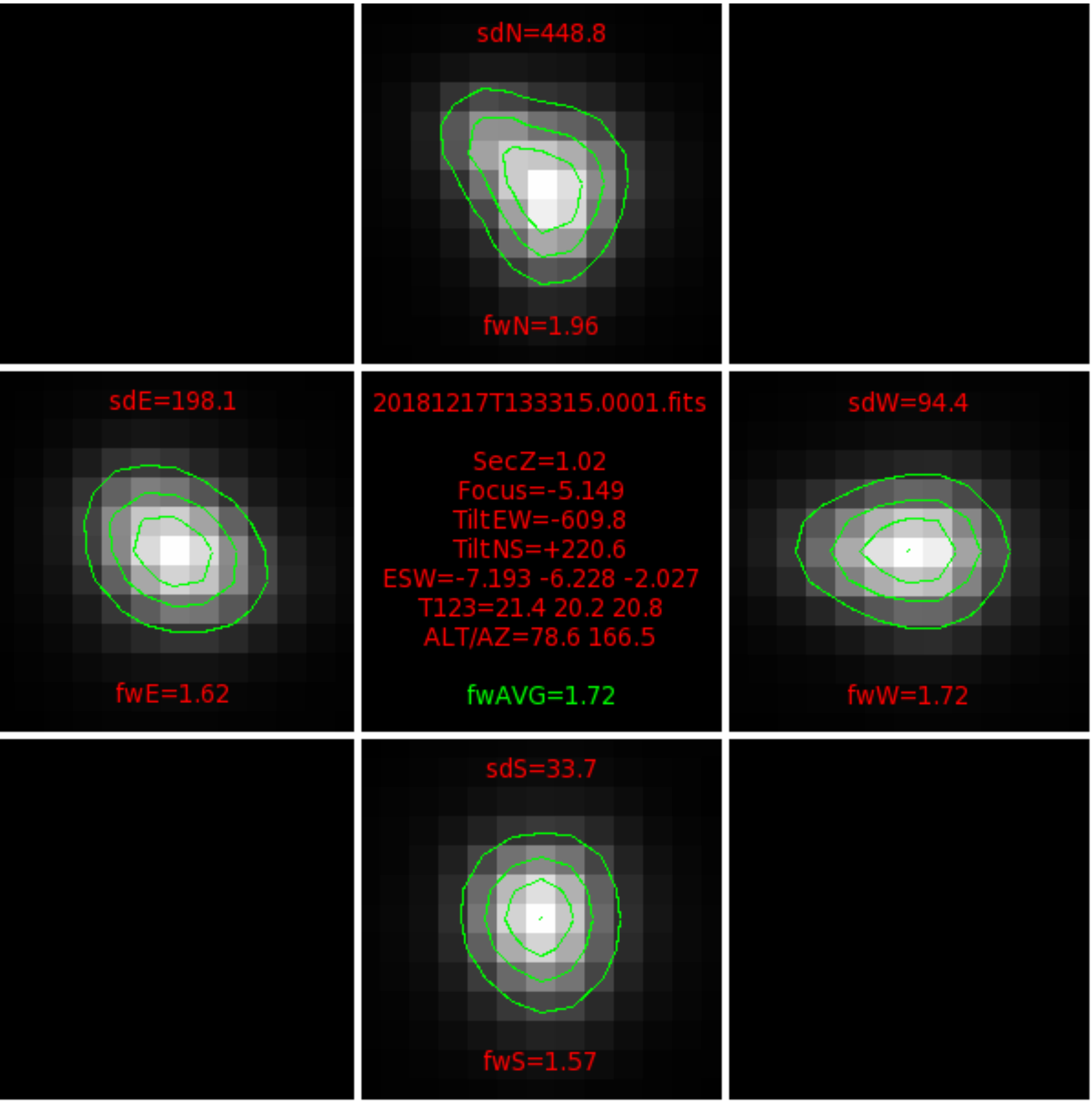
sdN=448.8
fwN=1.96
sdE=198.1
fwE=1.62
20181217T133315.0001.fits
SecZ=1.02
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.4 20.2 20.8
ALT/AZ=78.6 166.5
fwAVG=1.72
sdW=94.4
fwW=1.72
sdS=33.7
fwS=1.57
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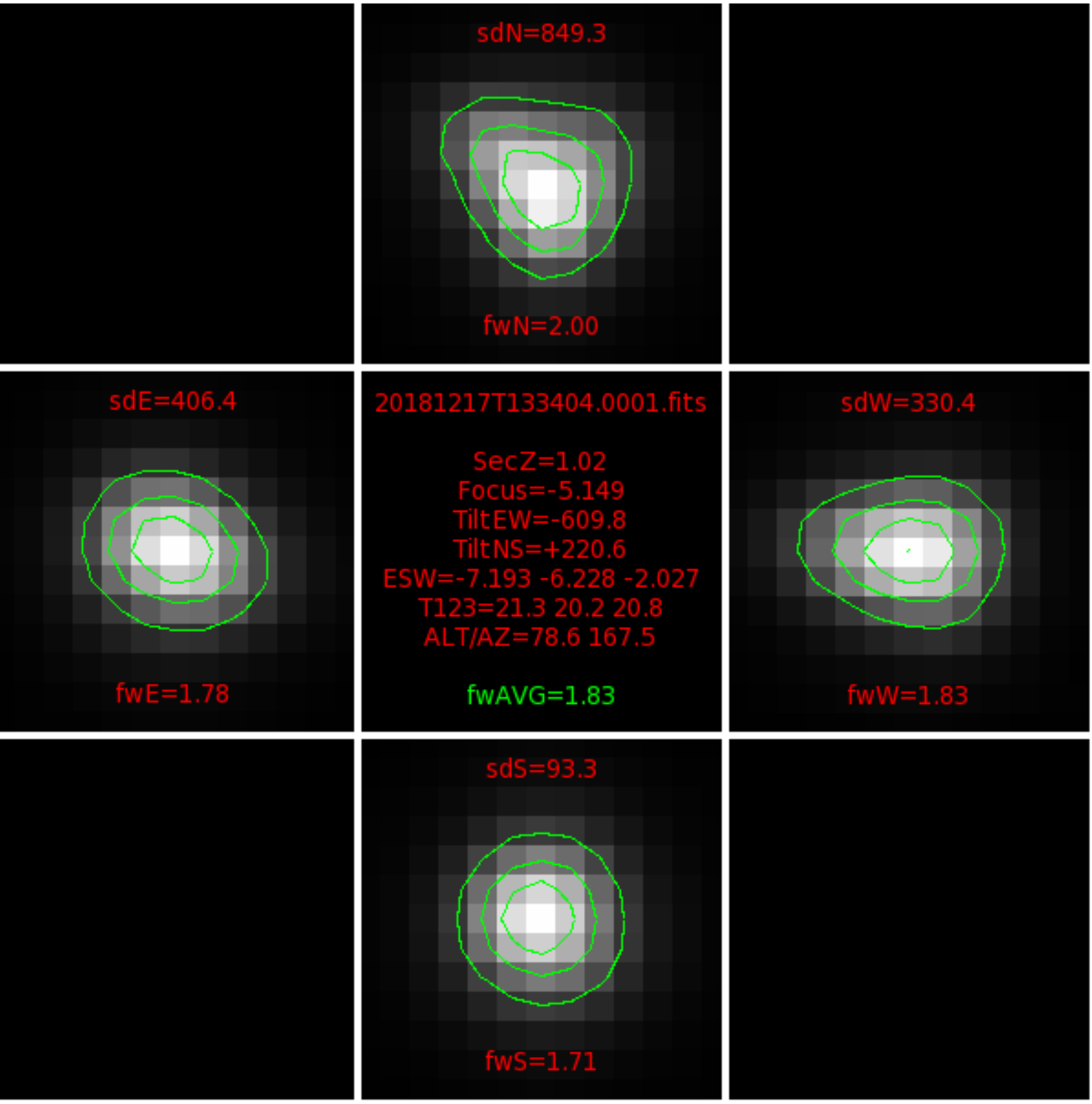
sdN=849.3
fwN=2.00
sdE=406.4
fwE=1.78
20181217T133404.0001.fits
SecZ=1.02
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.3 20.2 20.8
ALT/AZ=78.6 167.5
fwAVG=1.83
sdW=330.4
fwW=1.83
sdS=93.3
fwS=1.71
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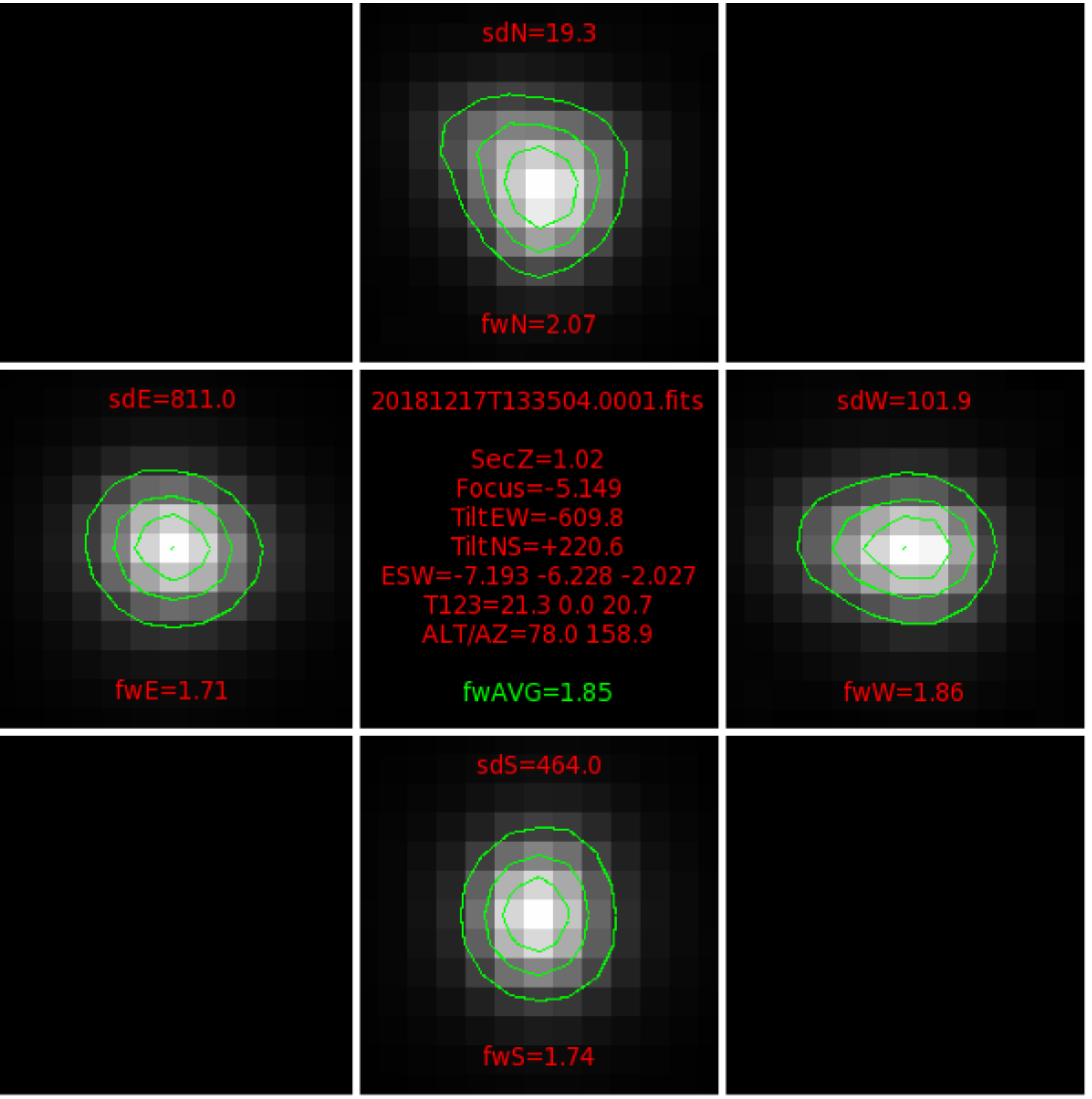
sdN=19.3
fwN=2.07
sdE=811.0
fwE=1.71
20181217T133504.0001.fits
SecZ=1.02
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.3 0.0 20.7
ALT/AZ=78.0 158.9
fwAVG=1.85
sdW=101.9
fwW=1.86
sdS=464.0
fwS=1.74
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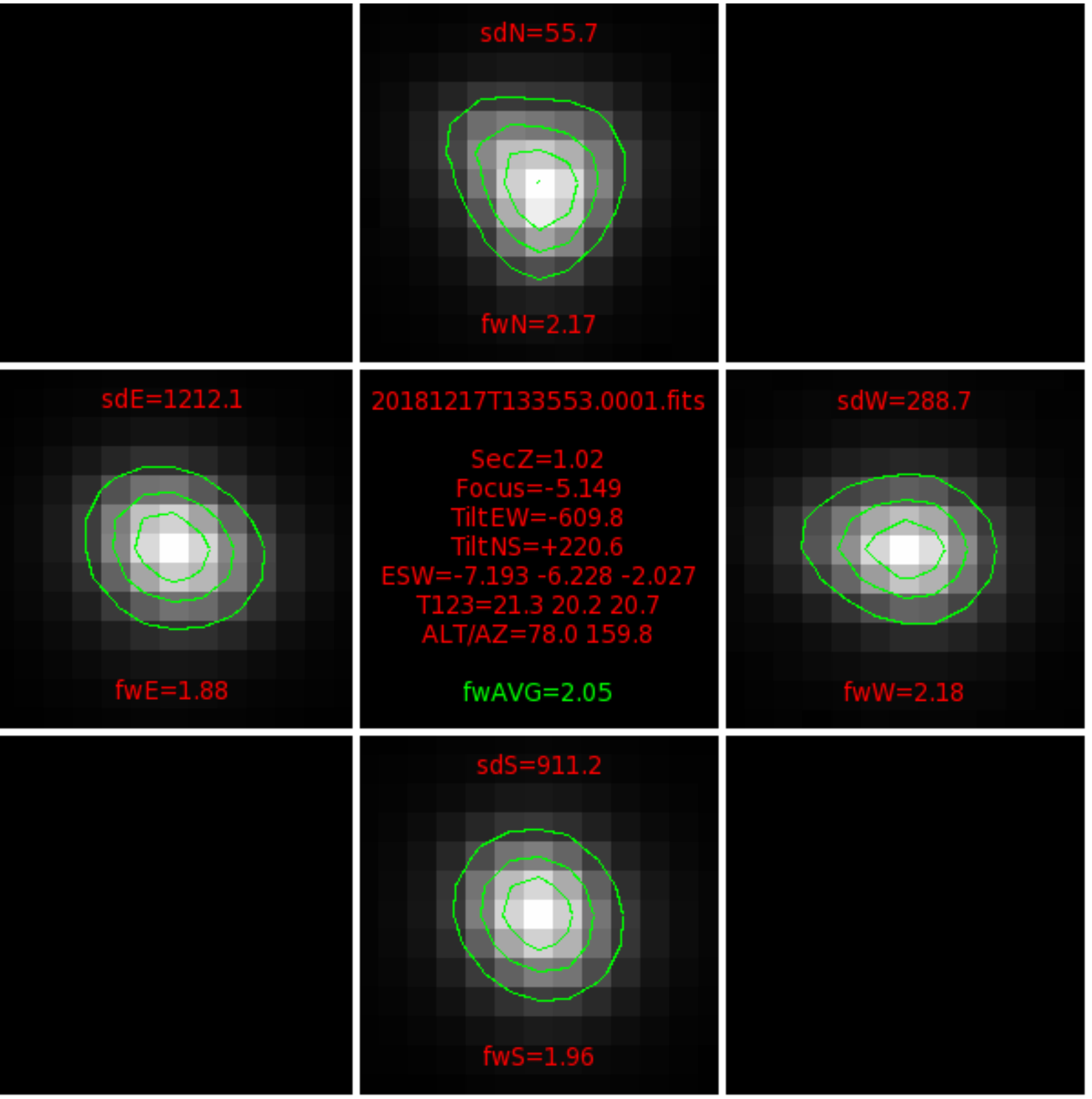
sdN=55.7
fwN=2.17
sdE=1212.1
fwE=1.88
20181217T133553.0001.fits
SecZ=1.02
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.3 20.2 20.7
ALT/AZ=78.0 159.8
fwAVG=2.05
sdW=288.7
fwW=2.18
sdS=911.2
fwS=1.96
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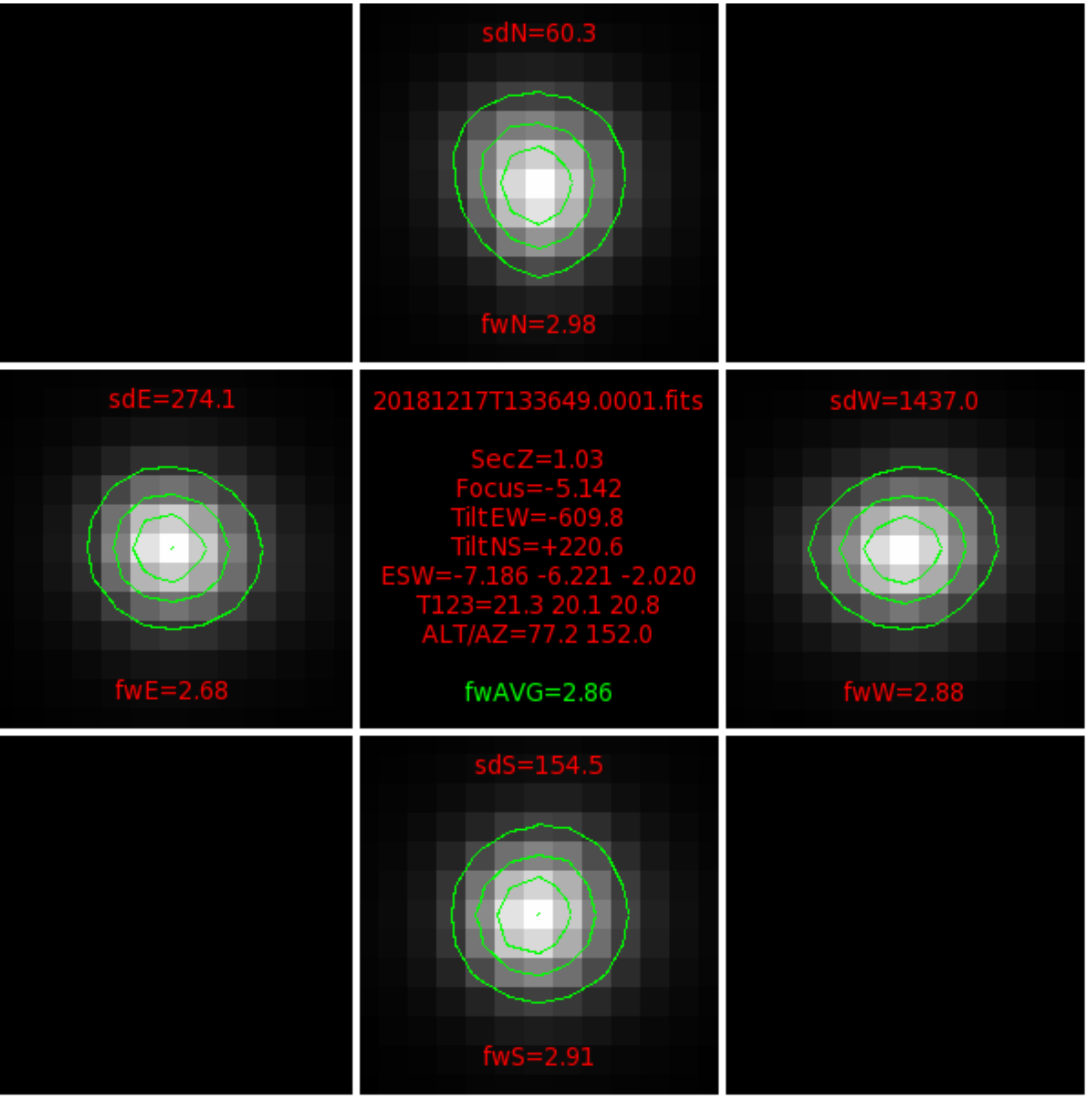
sdN=60.3
fwN=2.98
sdE=274.1
fwE=2.68
20181217T133649.0001.fits
SecZ=1.03
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.3 20.1 20.8
ALT/AZ=77.2 152.0
fwAVG=2.86
sdW=1437.0
fwW=2.88
sdS=154.5
fwS=2.91
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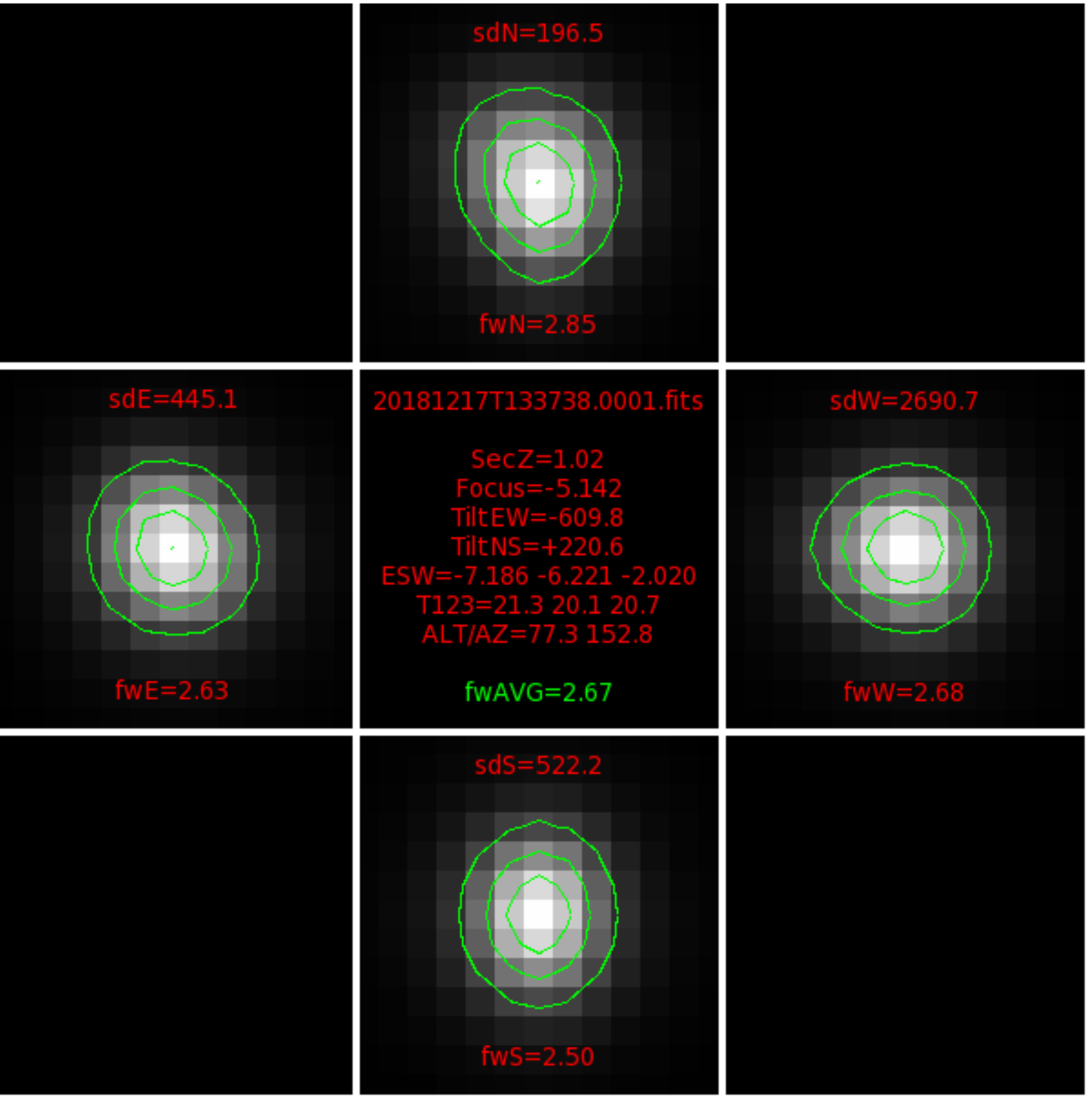
sdN=196.5
fwN=2.85
sdE=445.1
fwE=2.63
20181217T133738.0001.fits
SecZ=1.02
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.3 20.1 20.7
ALT/AZ=77.3 152.8
fwAVG=2.67
sdW=2690.7
fwW=2.68
sdS=522.2
fwS=2.50
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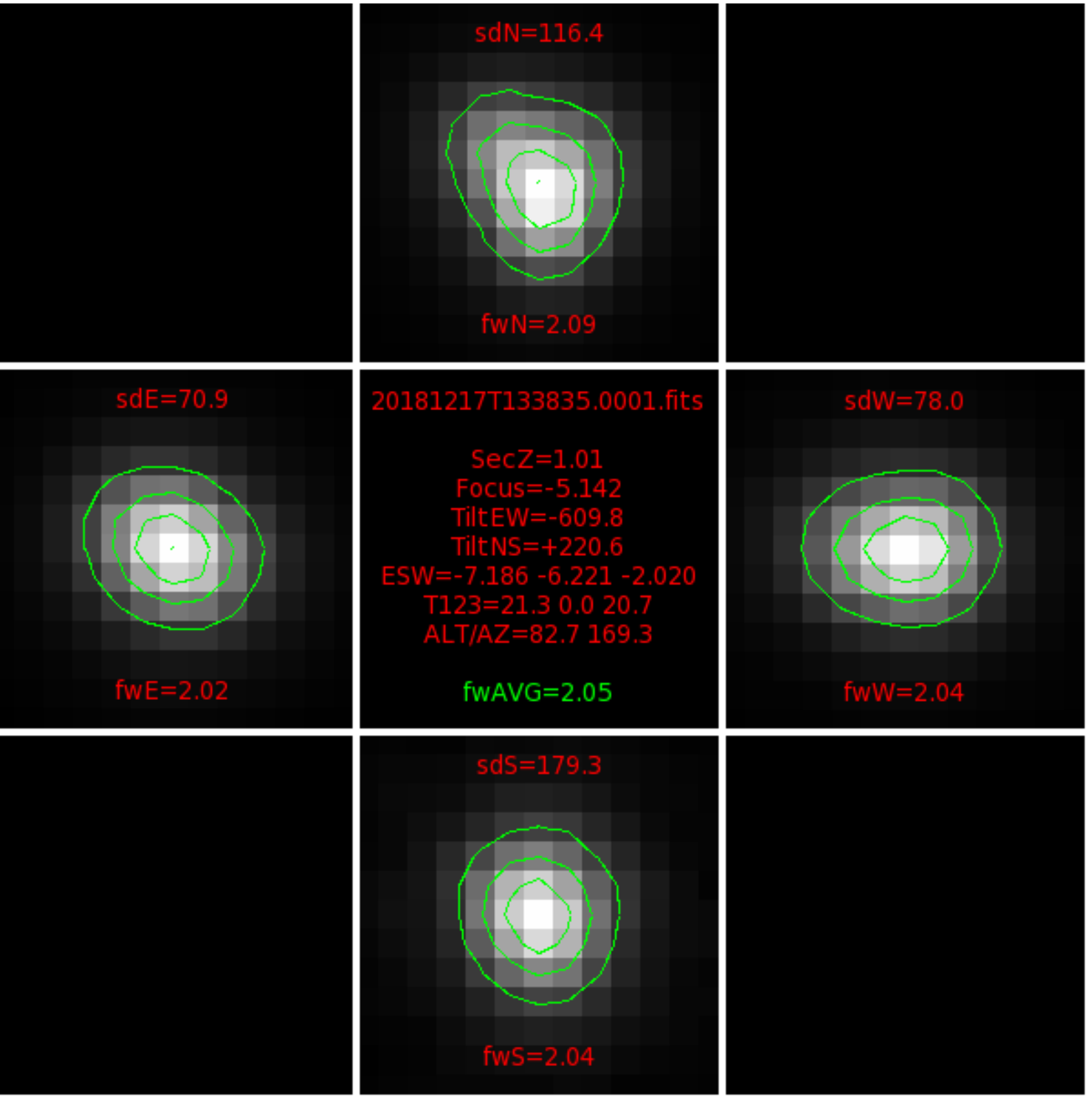
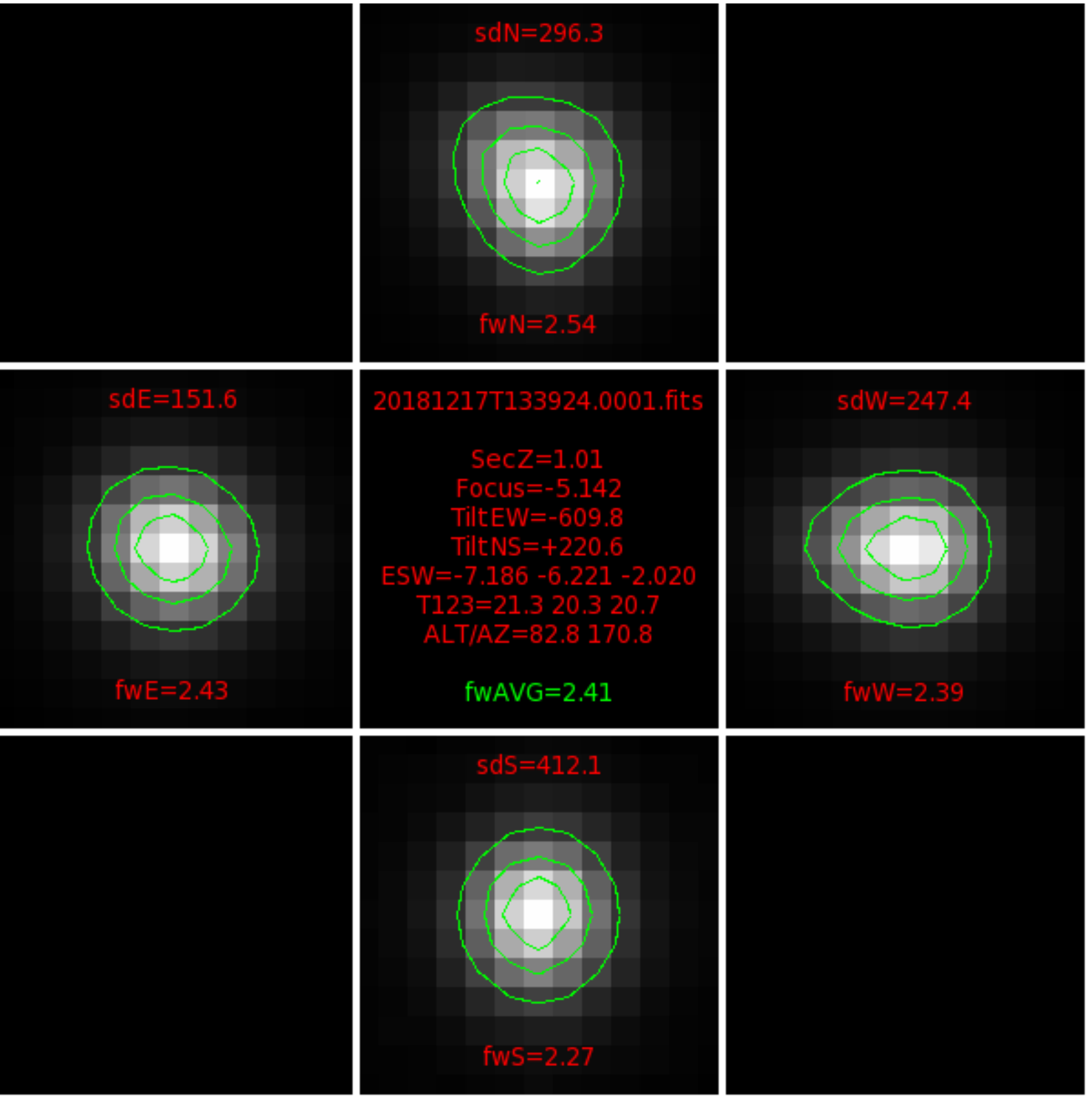

sdN=116.4
fwN=2.09
sdE=70.9
fwE=2.02
20181217T133835.0001.fits
SecZ=1.01
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.3 0.0 20.7
ALT/AZ=82.7 169.3
fwAVG=2.05
sdW=78.0
fwW=2.04
sdS=179.3
fwS=2.04
0 0 0 0 0 0 0 0 0


sdN=296.3
fwN=2.54
sdE=151.6
fwE=2.43
20181217T133924.0001.fits
SecZ=1.01
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.3 20.3 20.7
ALT/AZ=82.8 170.8
fwAVG=2.41
sdW=247.4
fwW=2.39
sdS=412.1
fwS=2.27
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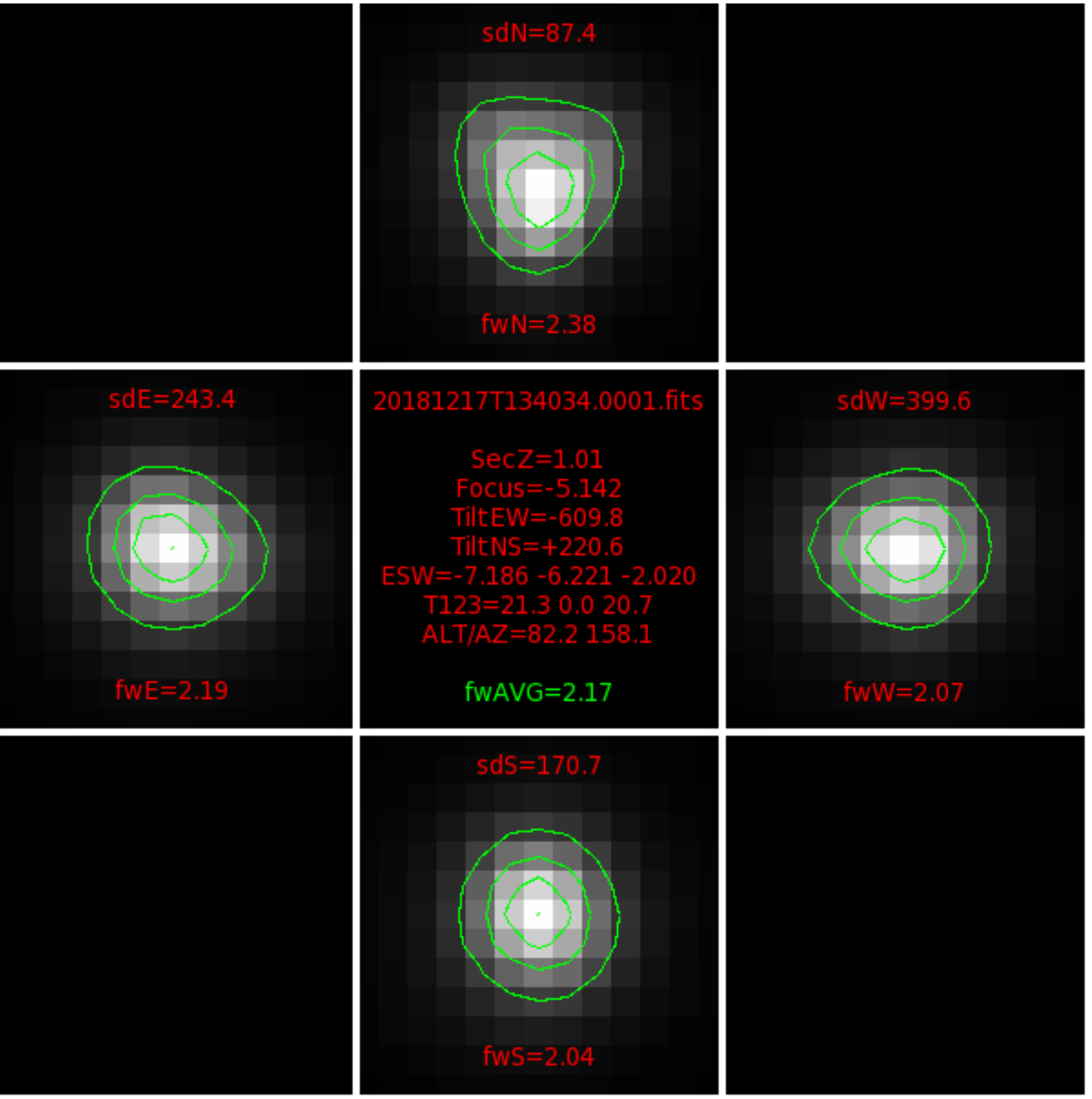
sdN=87.4
fwN=2.38
sdE=243.4
fwE=2.19
20181217T134034.0001.fits
SecZ=1.01
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.3 0.0 20.7
ALT/AZ=82.2 158.1
fwAVG=2.17
sdW=399.6
fwW=2.07
sdS=170.7
fwS=2.04
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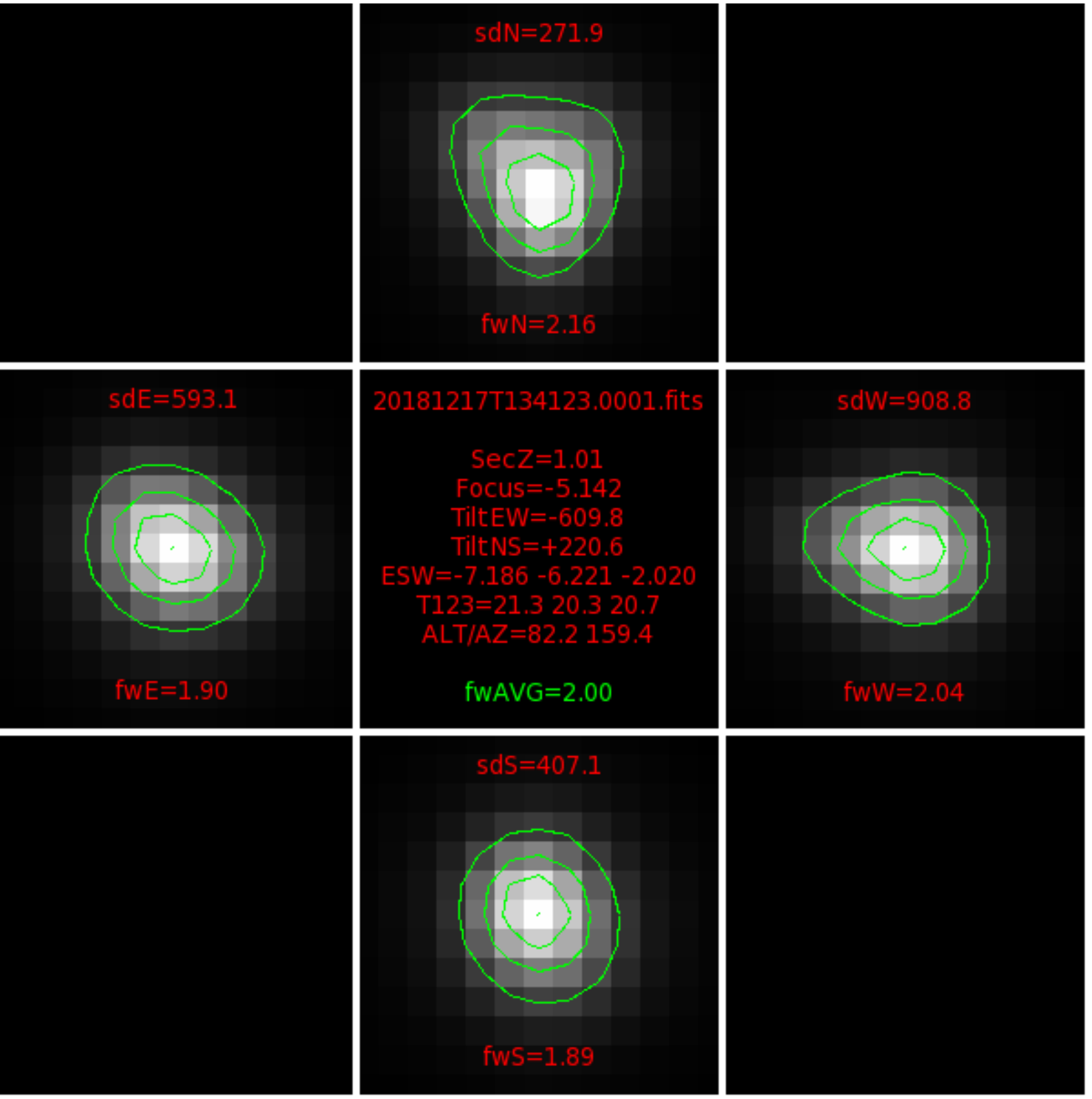
sdN=271.9
fwN=2.16
sdE=593.1
fwE=1.90
20181217T134123.0001.fits
SecZ=1.01
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.3 20.3 20.7
ALT/AZ=82.2 159.4
fwAVG=2.00
sdW=908.8
fwW=2.04
sdS=407.1
fwS=1.89
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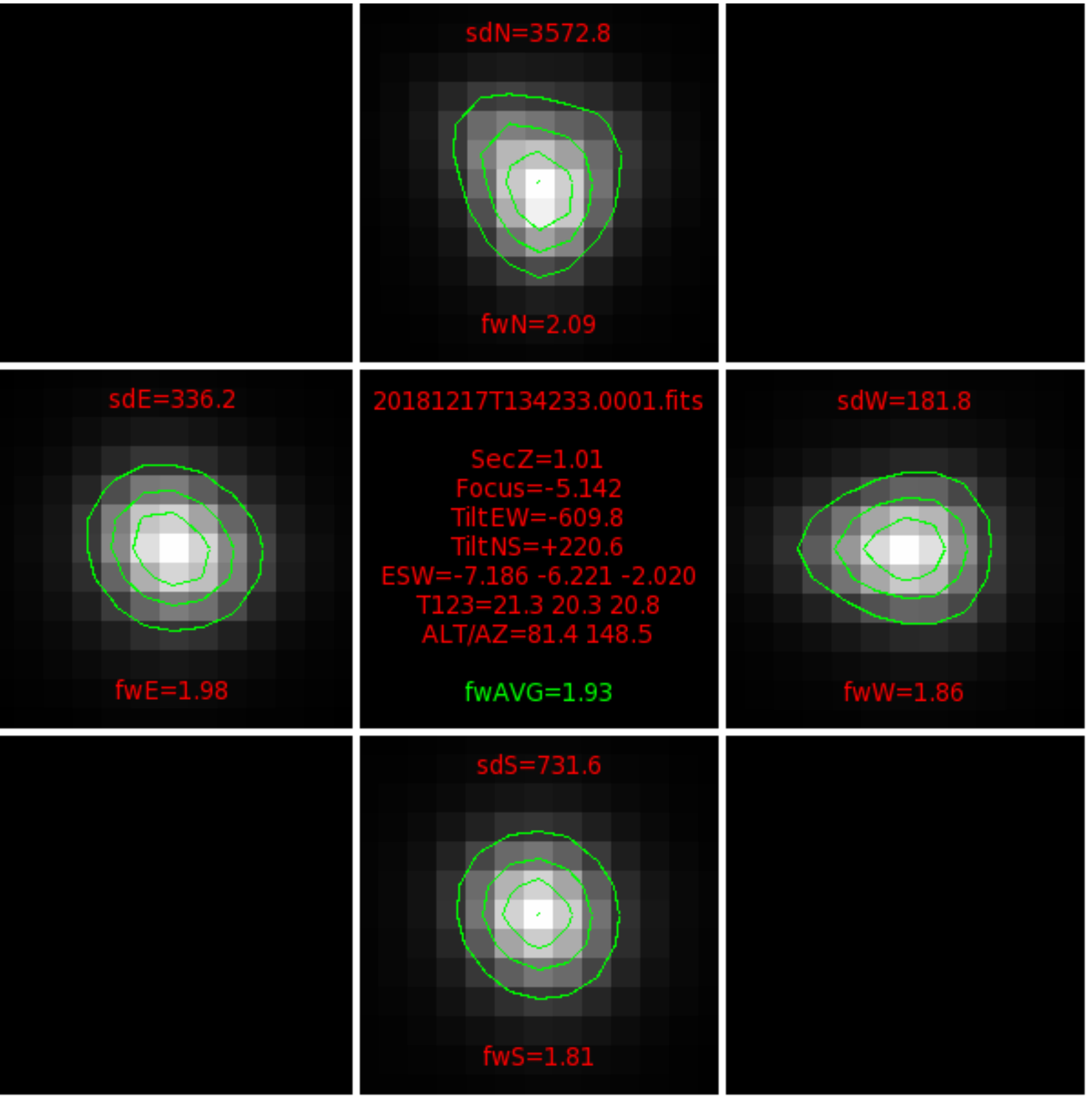
sdN=3572.8
fwN=2.09
sdE=336.2
fwE=1.98
20181217T134233.0001.fits
SecZ=1.01
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.3 20.3 20.8
ALT/AZ=81.4 148.5
fwAVG=1.93
sdW=181.8
fwW=1.86
sdS=731.6
fwS=1.81
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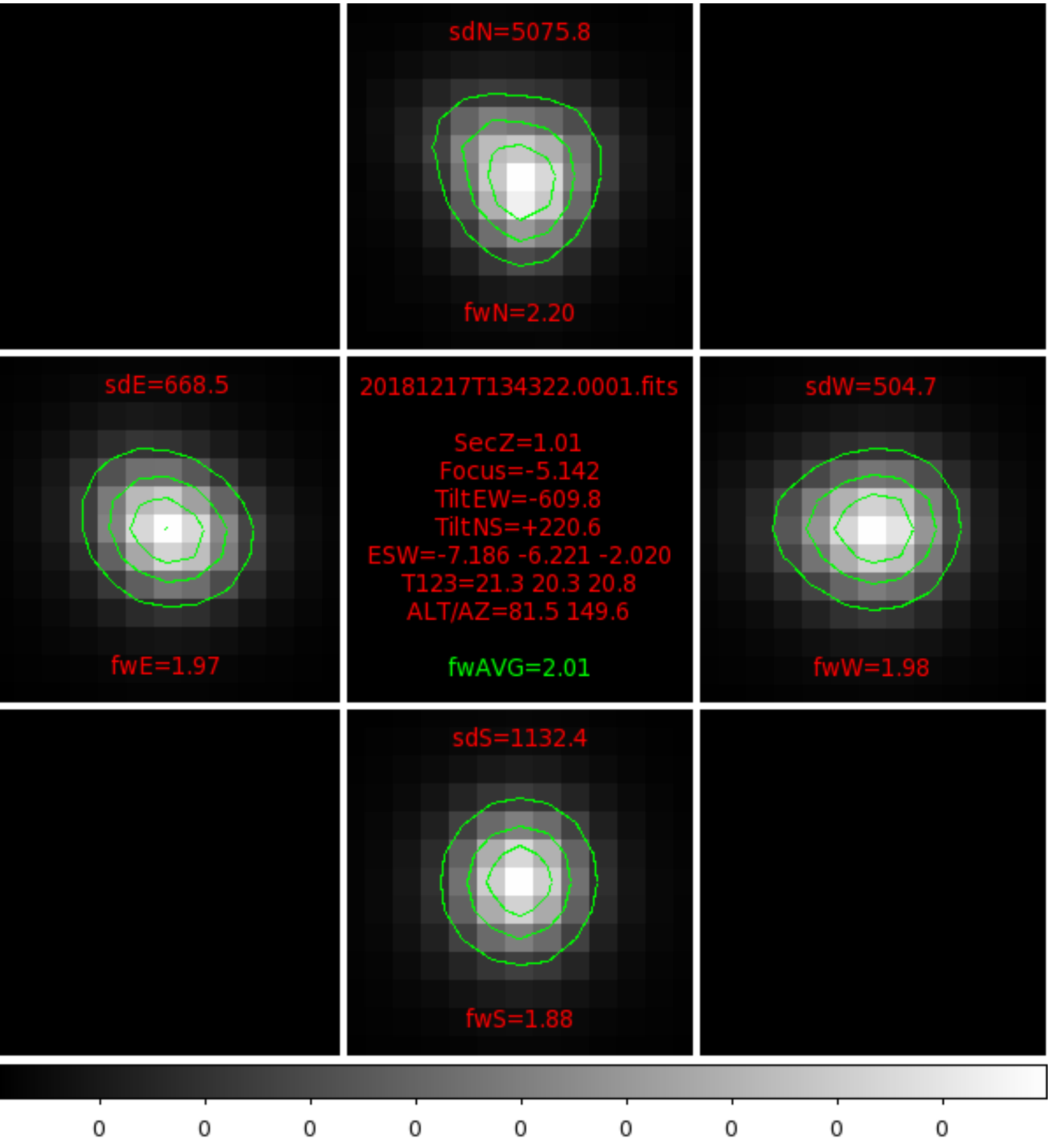
sdN=5075.8
fwN=2.20
sdE=668.5
fwE=1.97
20181217T134322.0001.fits
SecZ=1.01
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.3 20.3 20.8
ALT/AZ=81.5 149.6
fwAVG=2.01
sdW=504.7
fwW=1.98
sdS=1132.4
fwS=1.88
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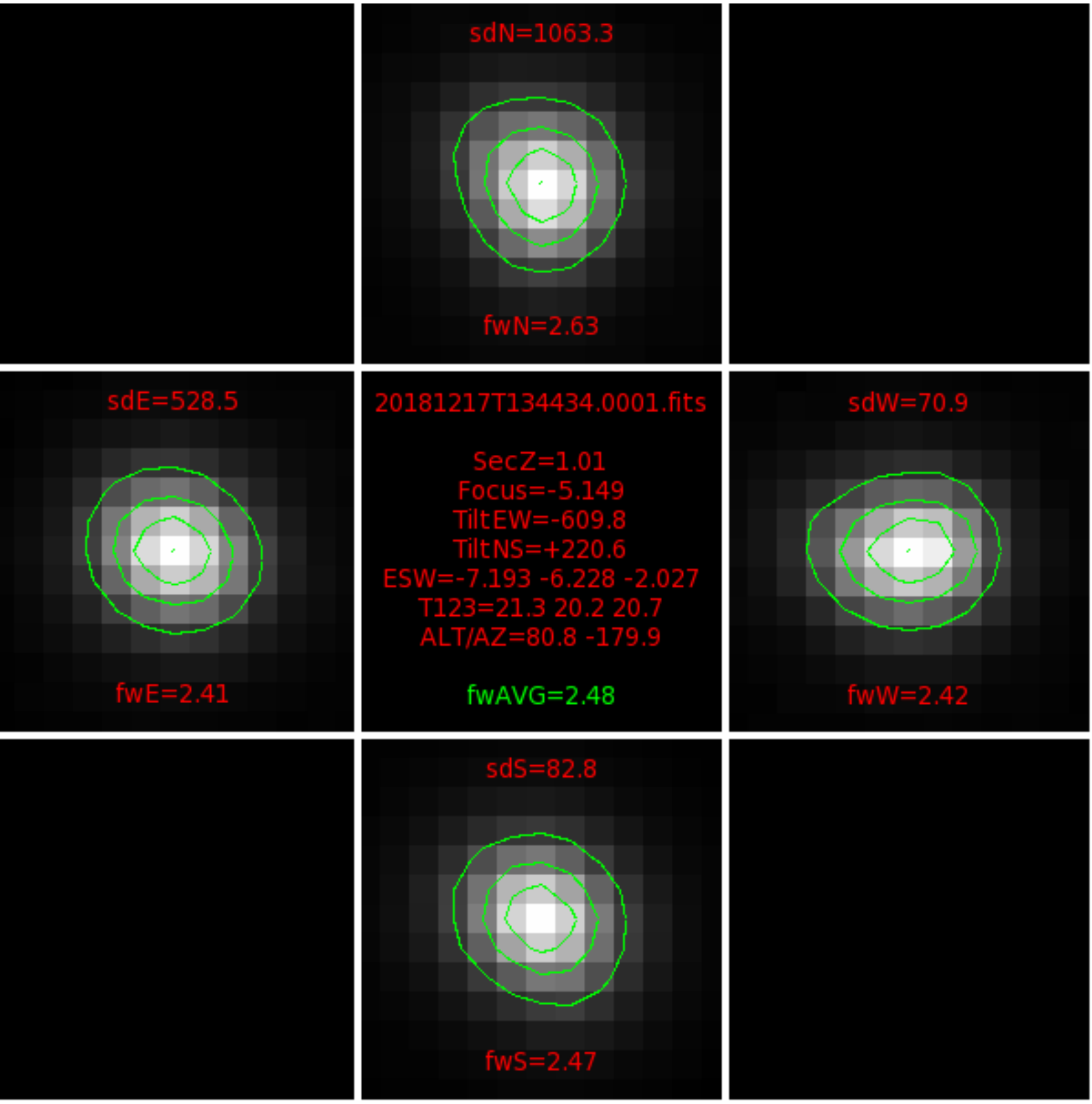
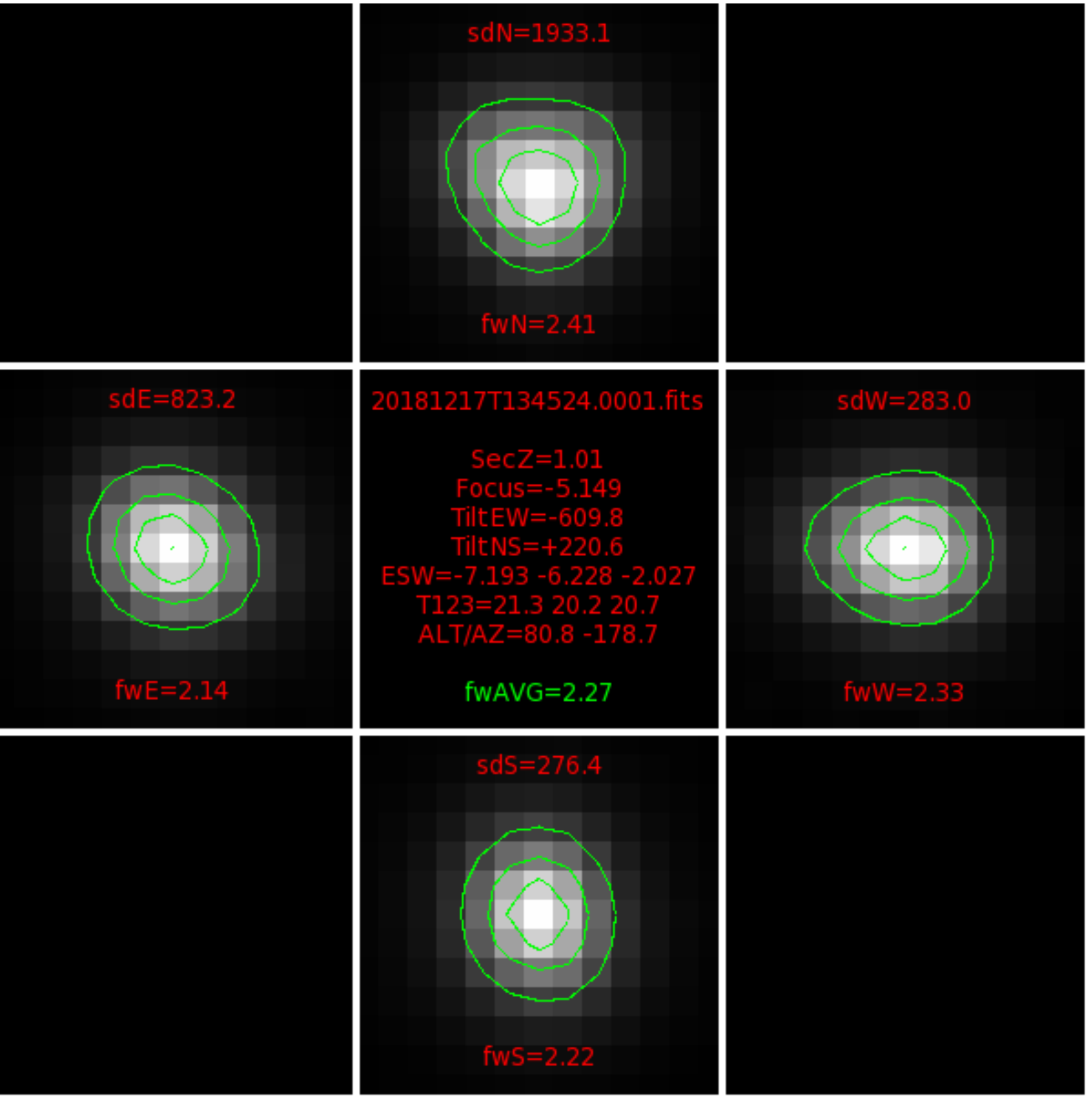

sdN=1063.3
fwN=2.63
sdE=528.5
fwE=2.41
20181217T134434.0001.fits
SecZ=1.01
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.3 20.2 20.7
ALT/AZ=80.8 -179.9
fwAVG=2.48
sdW=70.9
fwW=2.42
sdS=82.8
fwS=2.47
0 0 0 0 0 0 0 0 0


sdN=1933.1
fwN=2.41
sdE=823.2
fwE=2.14
20181217T134524.0001.fits
SecZ=1.01
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.3 20.2 20.7
ALT/AZ=80.8 -178.7
fwAVG=2.27
sdW=283.0
fwW=2.33
sdS=276.4
fwS=2.22
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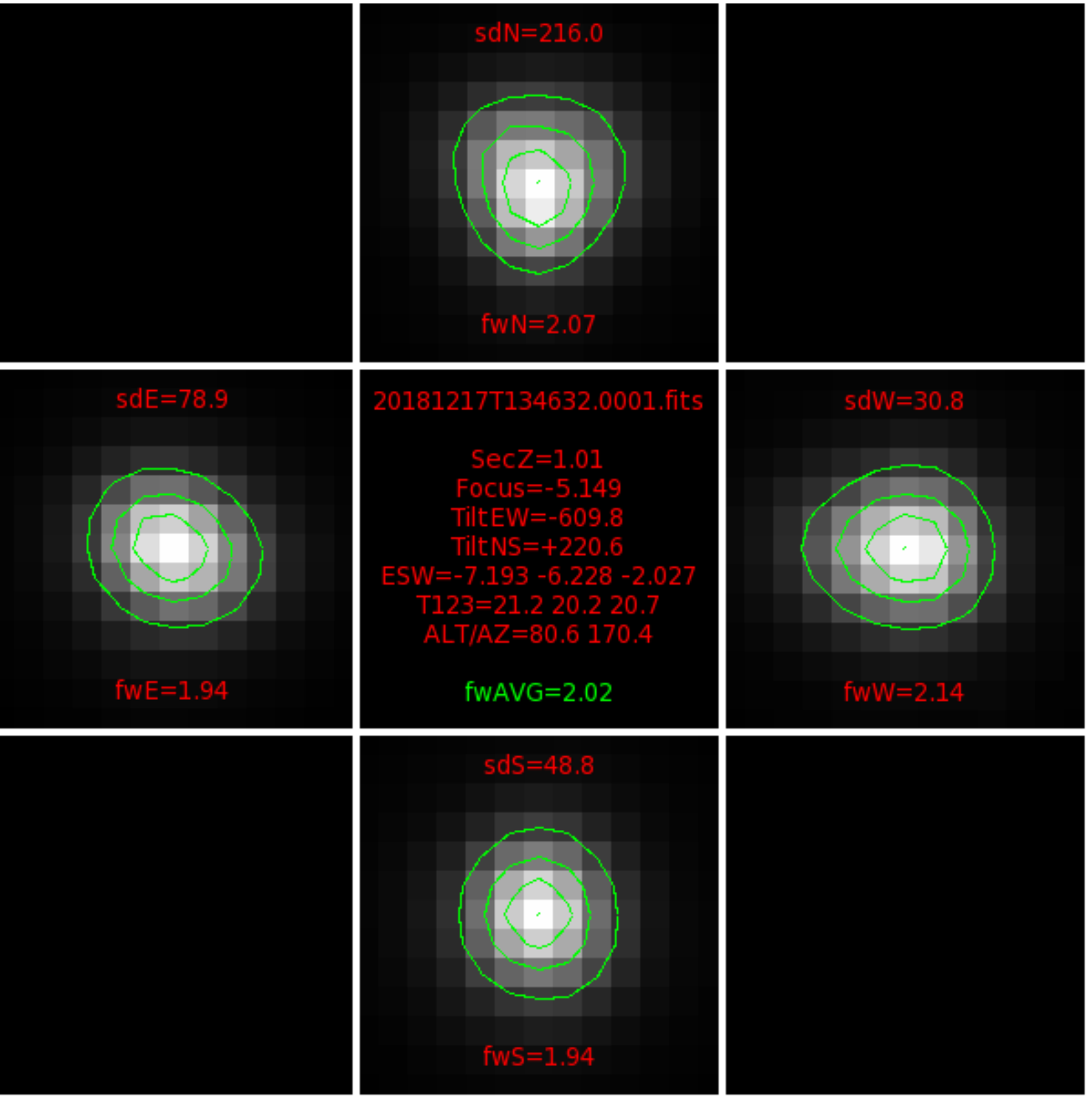
sdN=216.0
fwN=2.07
sdE=78.9
fwE=1.94
20181217T134632.0001.fits
SecZ=1.01
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.2 20.2 20.7
ALT/AZ=80.6 170.4
fwAVG=2.02
sdW=30.8
fwW=2.14
sdS=48.8
fwS=1.94
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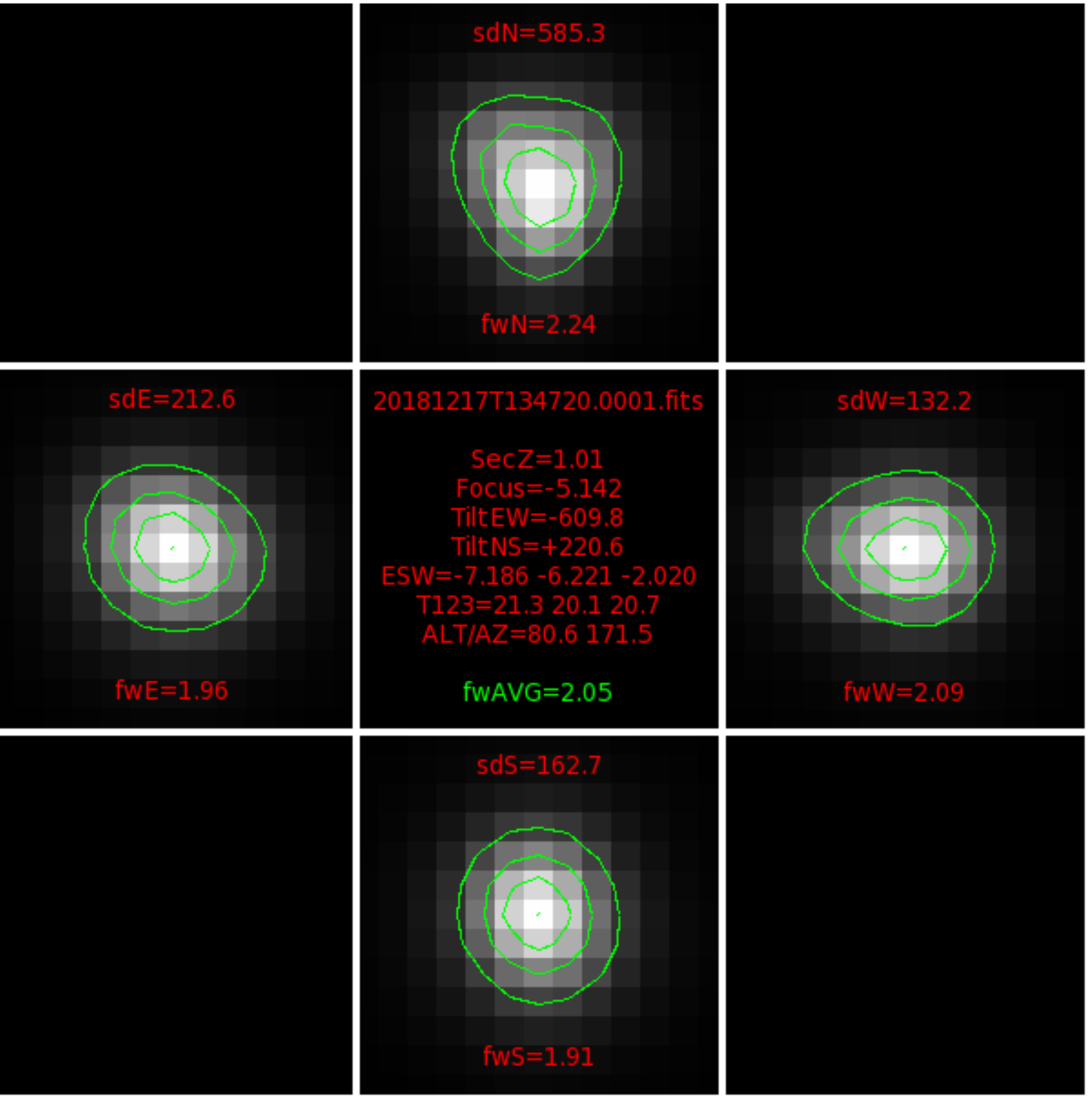
sdN=585.3
fwN=2.24
sdE=212.6
fwE=1.96
20181217T134720.0001.fits
SecZ=1.01
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.3 20.1 20.7
ALT/AZ=80.6 171.5
fwAVG=2.05
sdW=132.2
fwW=2.09
sdS=162.7
fwS=1.91
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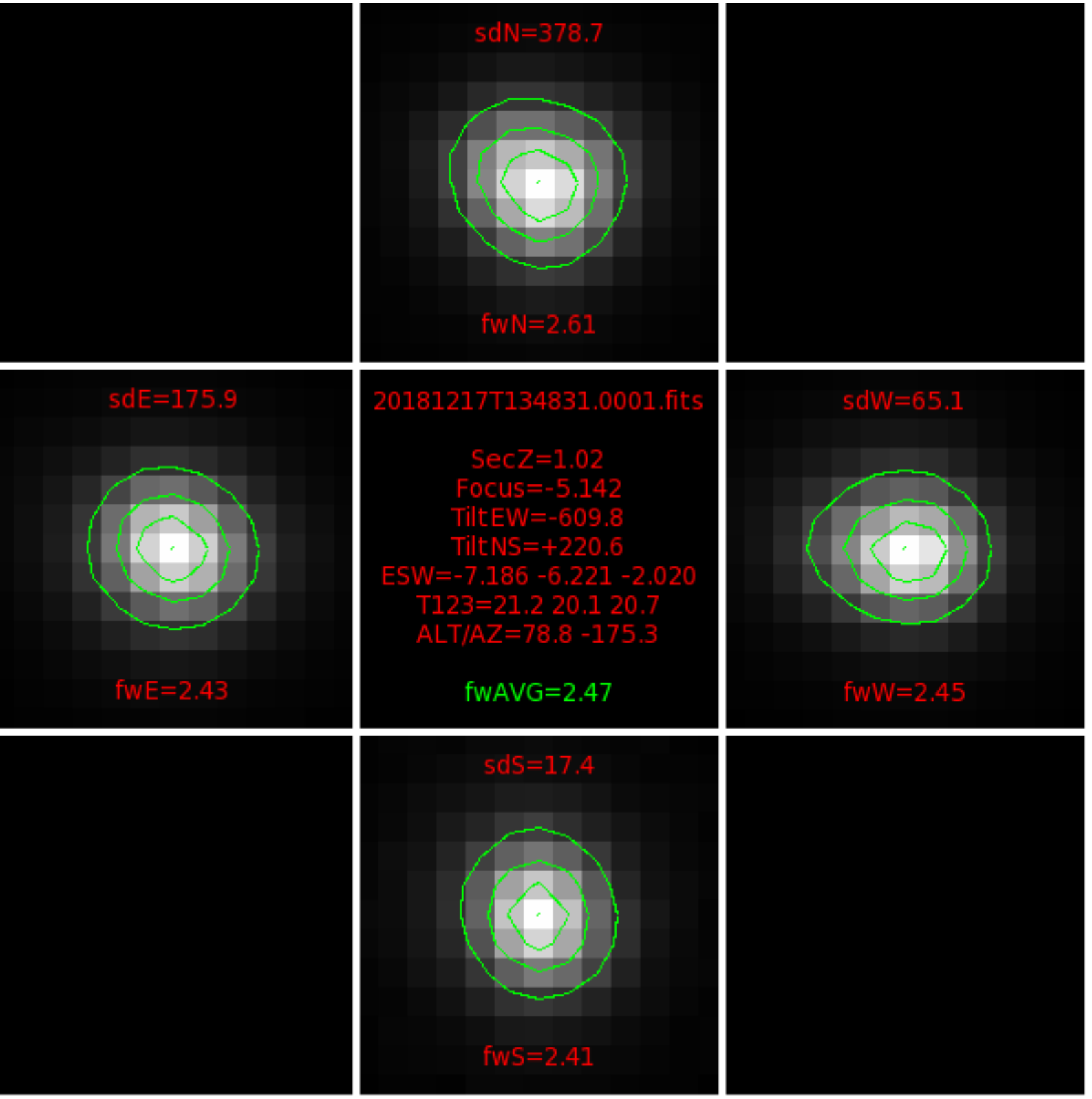
sdN=378.7
fwN=2.61
sdE=175.9
fwE=2.43
20181217T134831.0001.fits
SecZ=1.02
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.2 20.1 20.7
ALT/AZ=78.8 -175.3
fwAVG=2.47
sdW=65.1
fwW=2.45
sdS=17.4
fwS=2.41
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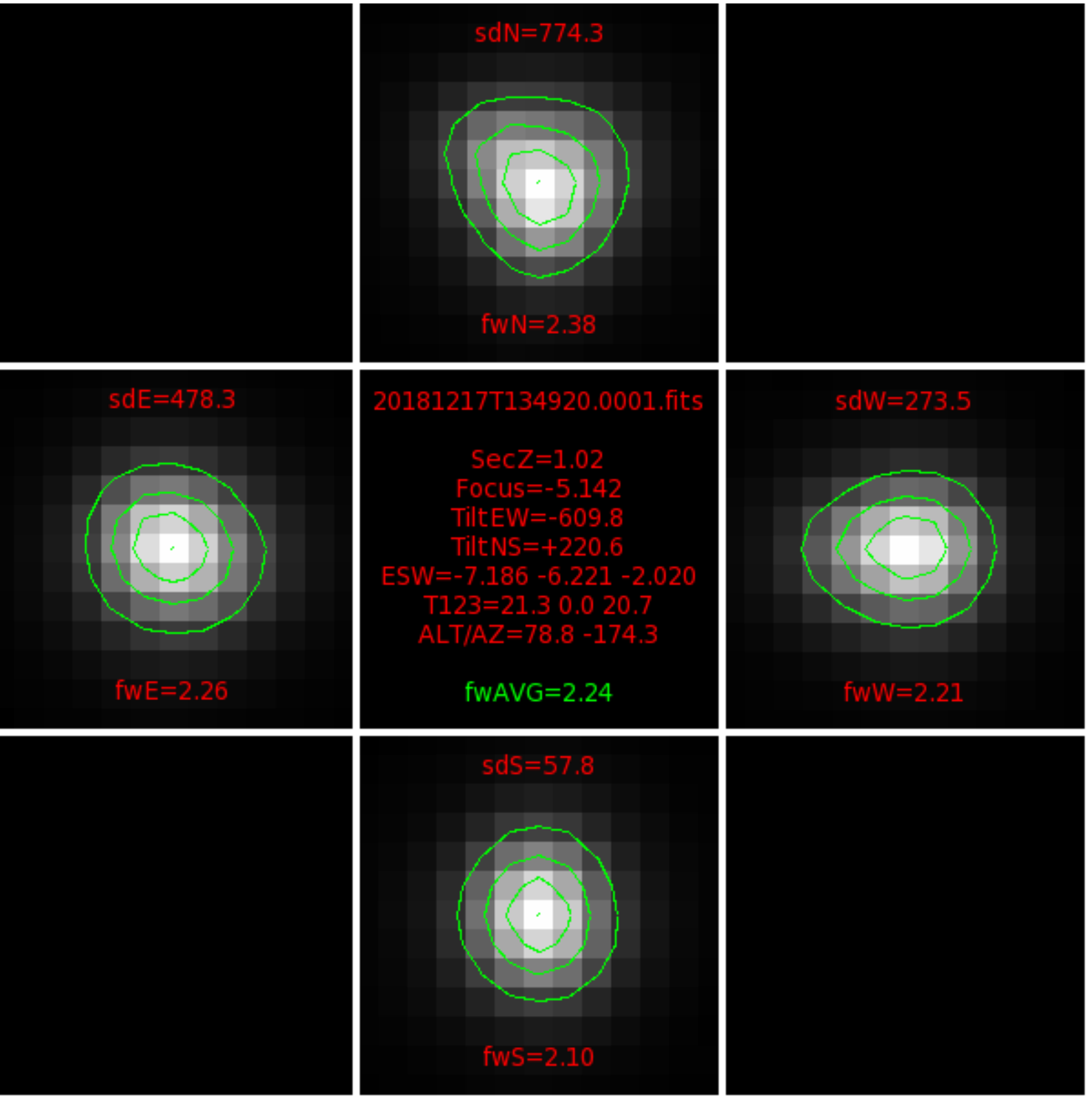
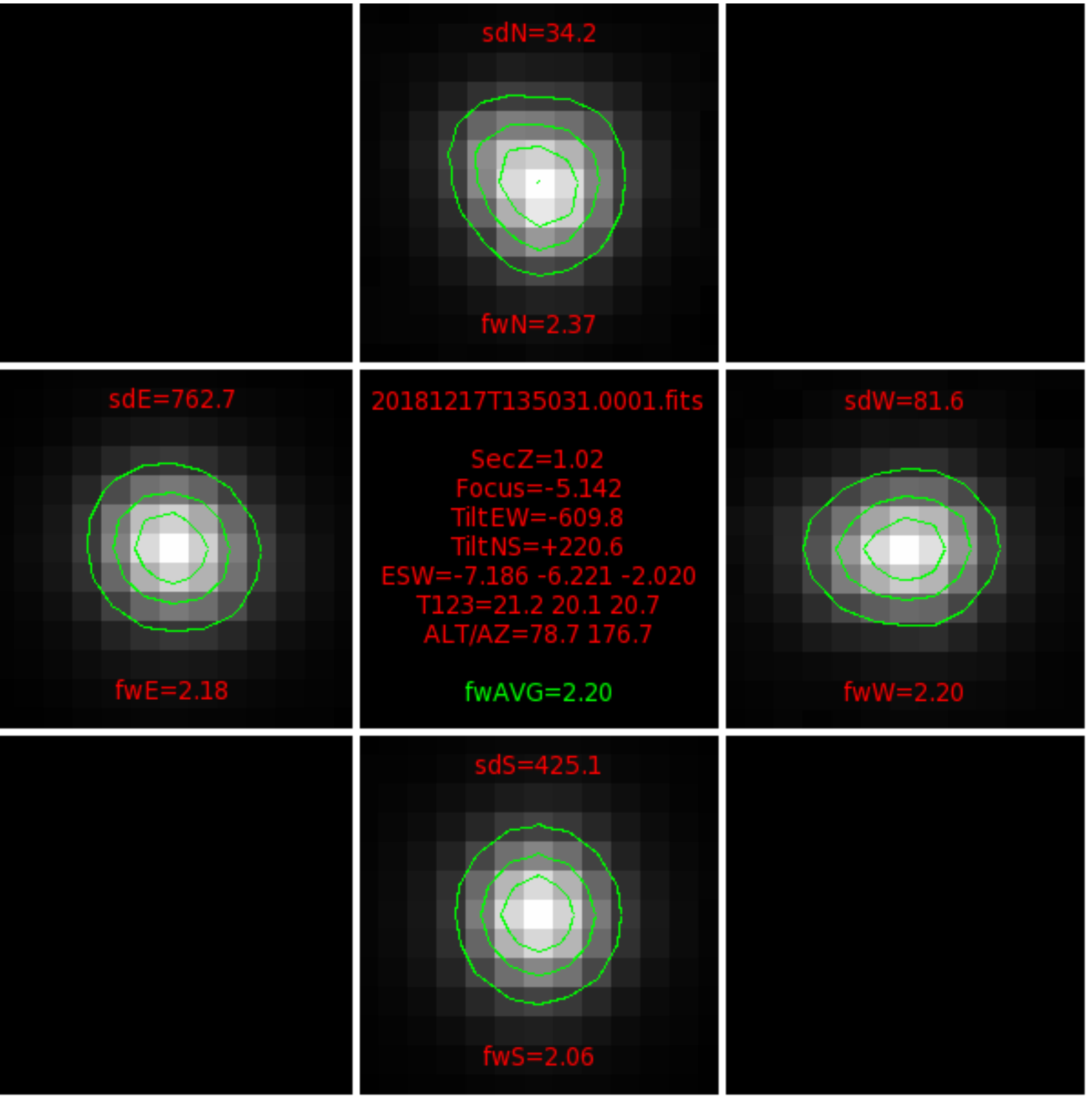
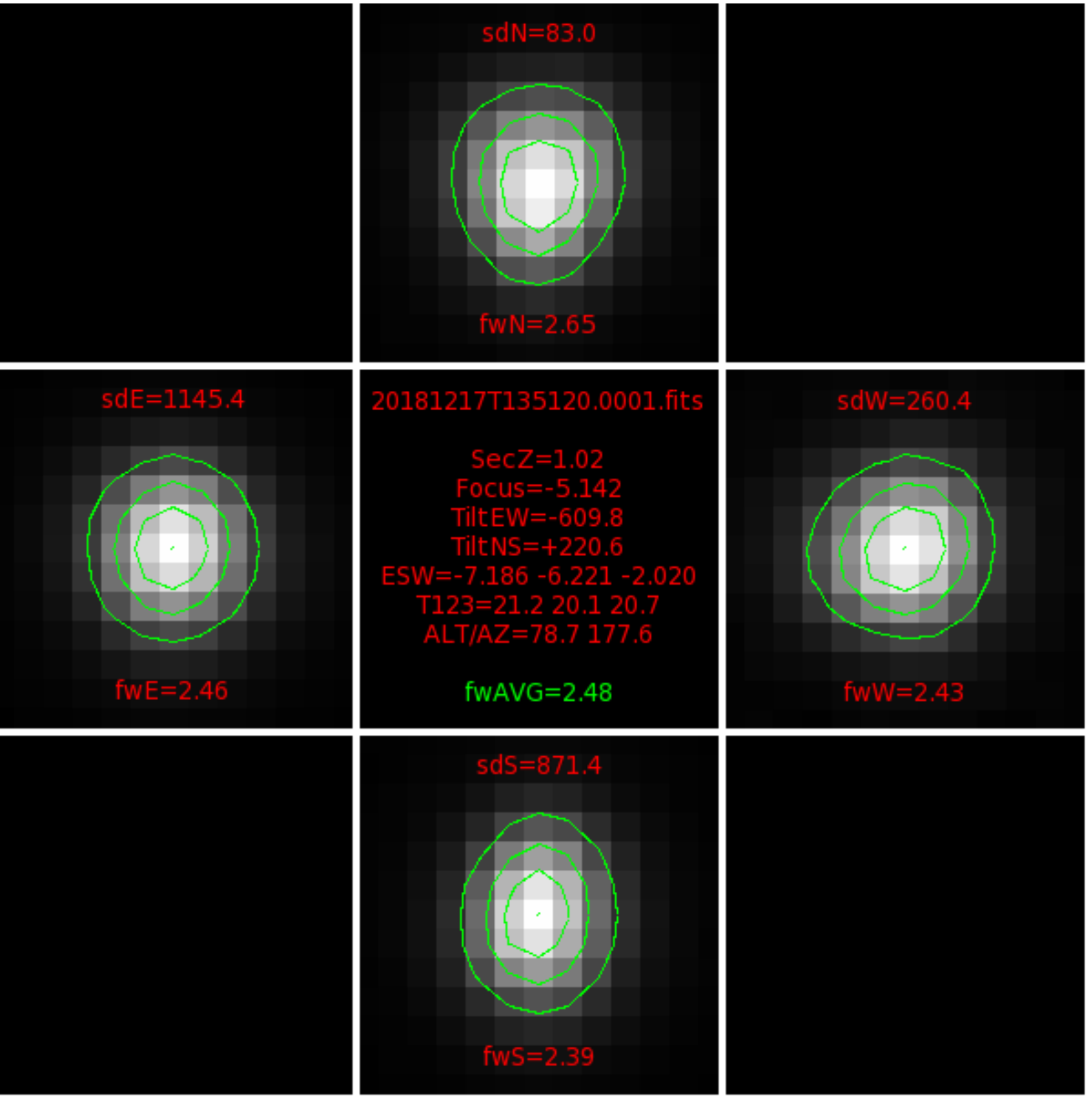

sdN=774.3
fwN=2.38
sdE=478.3
fwE=2.26
20181217T134920.0001.fits
SecZ=1.02
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.3 0.0 20.7
ALT/AZ=78.8 -174.3
fwAVG=2.24
sdW=273.5
fwW=2.21
sdS=57.8
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=34.2
fwN=2.37
sdE=762.7
fwE=2.18
20181217T135031.0001.fits
SecZ=1.02
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.2 20.1 20.7
ALT/AZ=78.7 176.7
fwAVG=2.20
sdW=81.6
fwW=2.20
sdS=425.1
fwS=2.06
0 0 0 0 0 0 0 0 0


sdN=83.0
fwN=2.65
sdE=1145.4
fwE=2.46
20181217T135120.0001.fits
SecZ=1.02
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.2 20.1 20.7
ALT/AZ=78.7 177.6
fwAVG=2.48
sdW=260.4
fwW=2.43
sdS=871.4
fwS=2.39
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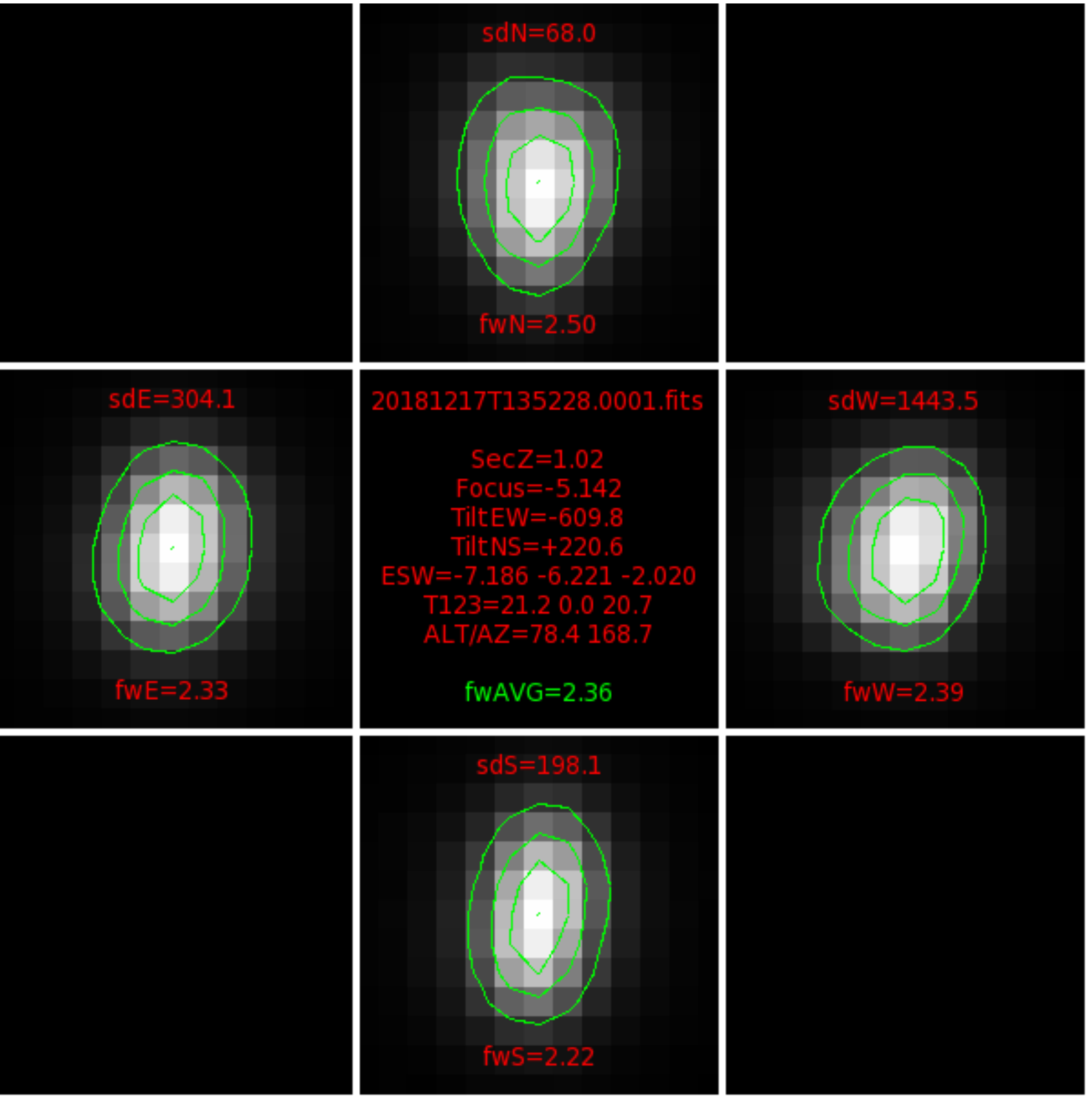
sdN=68.0
fwN=2.50
sdE=304.1
fwE=2.33
20181217T135228.0001.fits
SecZ=1.02
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.2 0.0 20.7
ALT/AZ=78.4 168.7
fwAVG=2.36
sdW=1443.5
fwW=2.39
sdS=198.1
fwS=2.22
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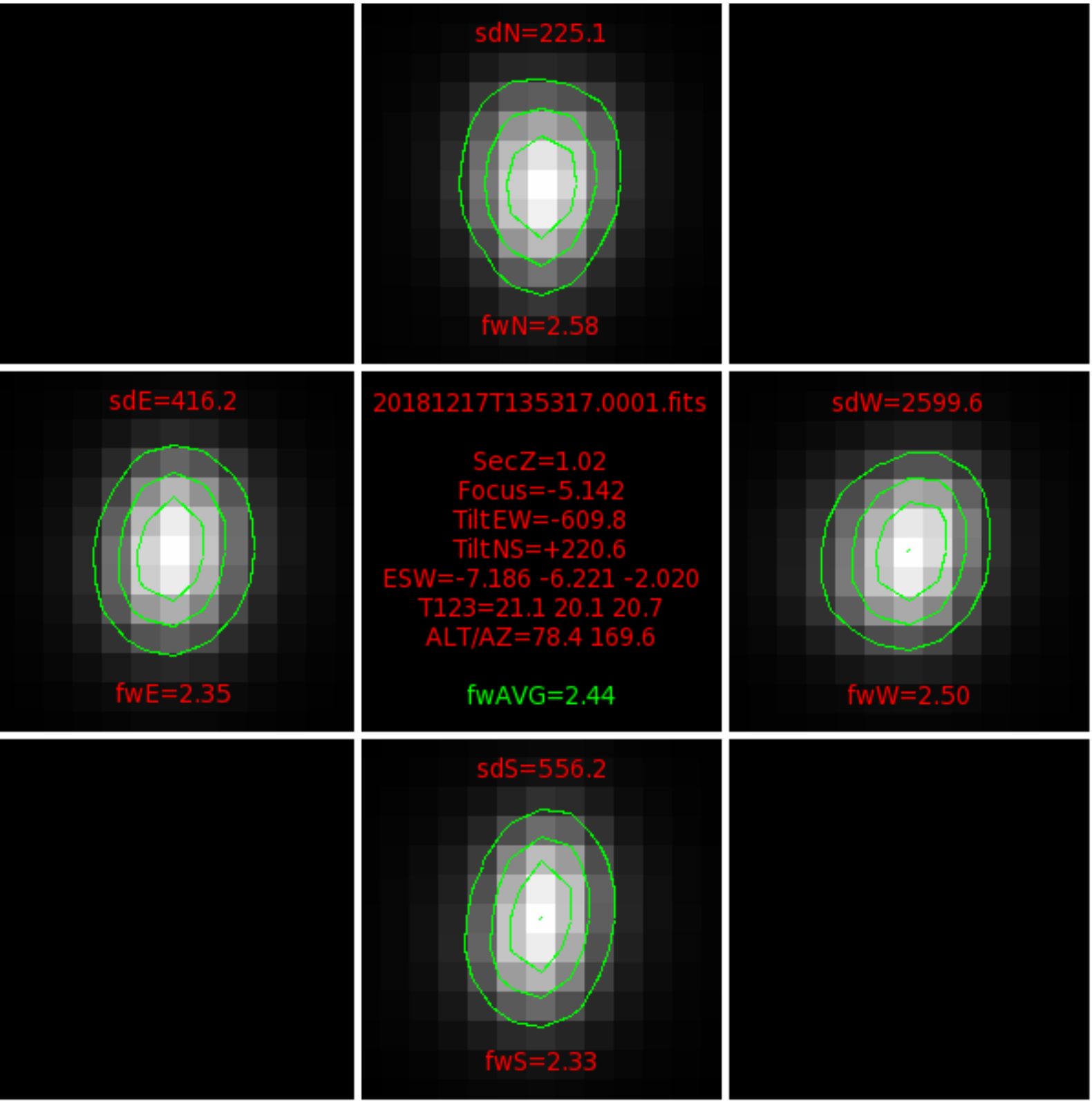
sdN=225.1
fwN=2.58
sdE=416.2
fwE=2.35
20181217T135317.0001.fits
SecZ=1.02
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 20.1 20.7
ALT/AZ=78.4 169.6
fwAVG=2.44
sdW=2599.6
fwW=2.50
sdS=556.2
fwS=2.33
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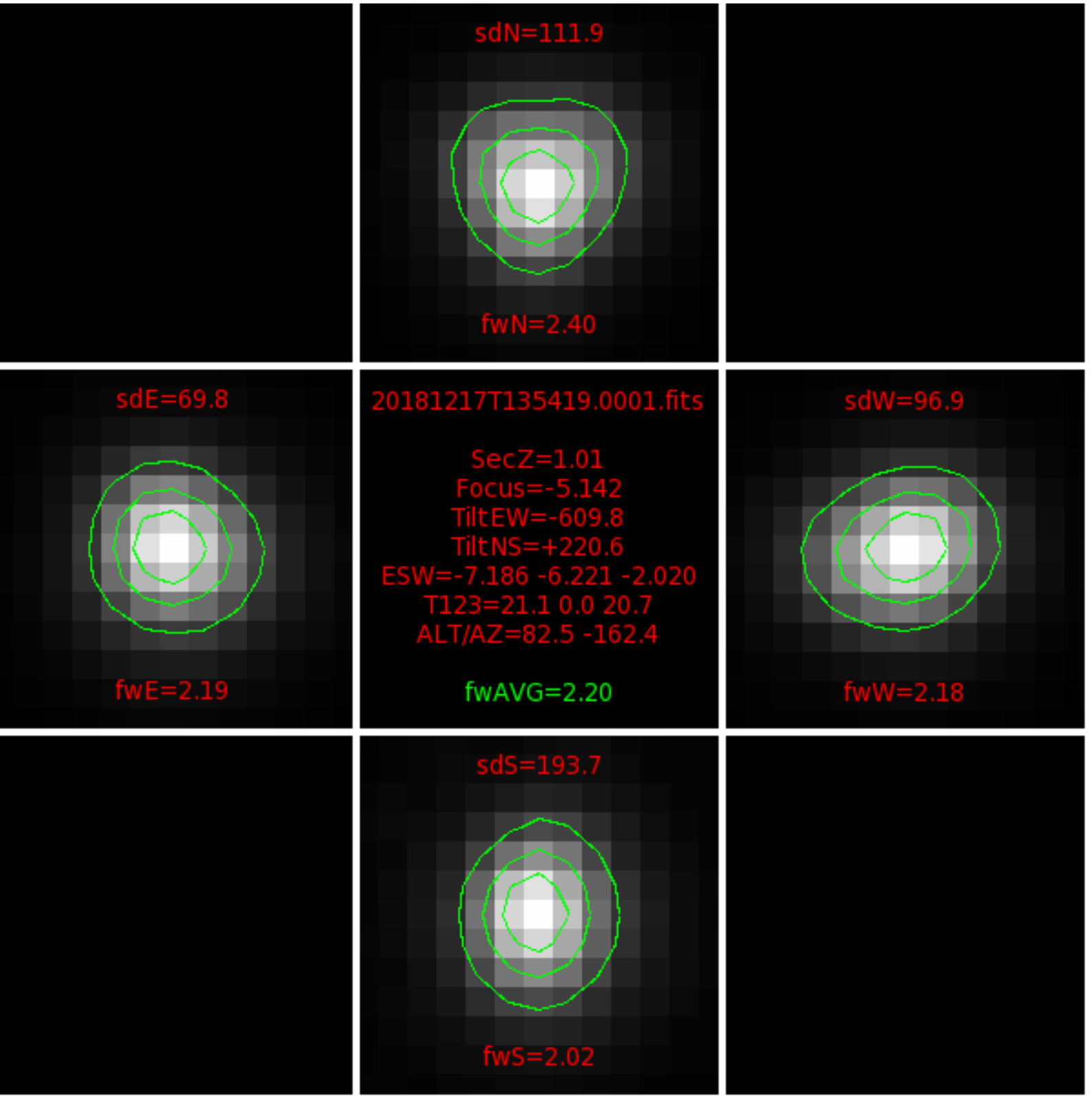
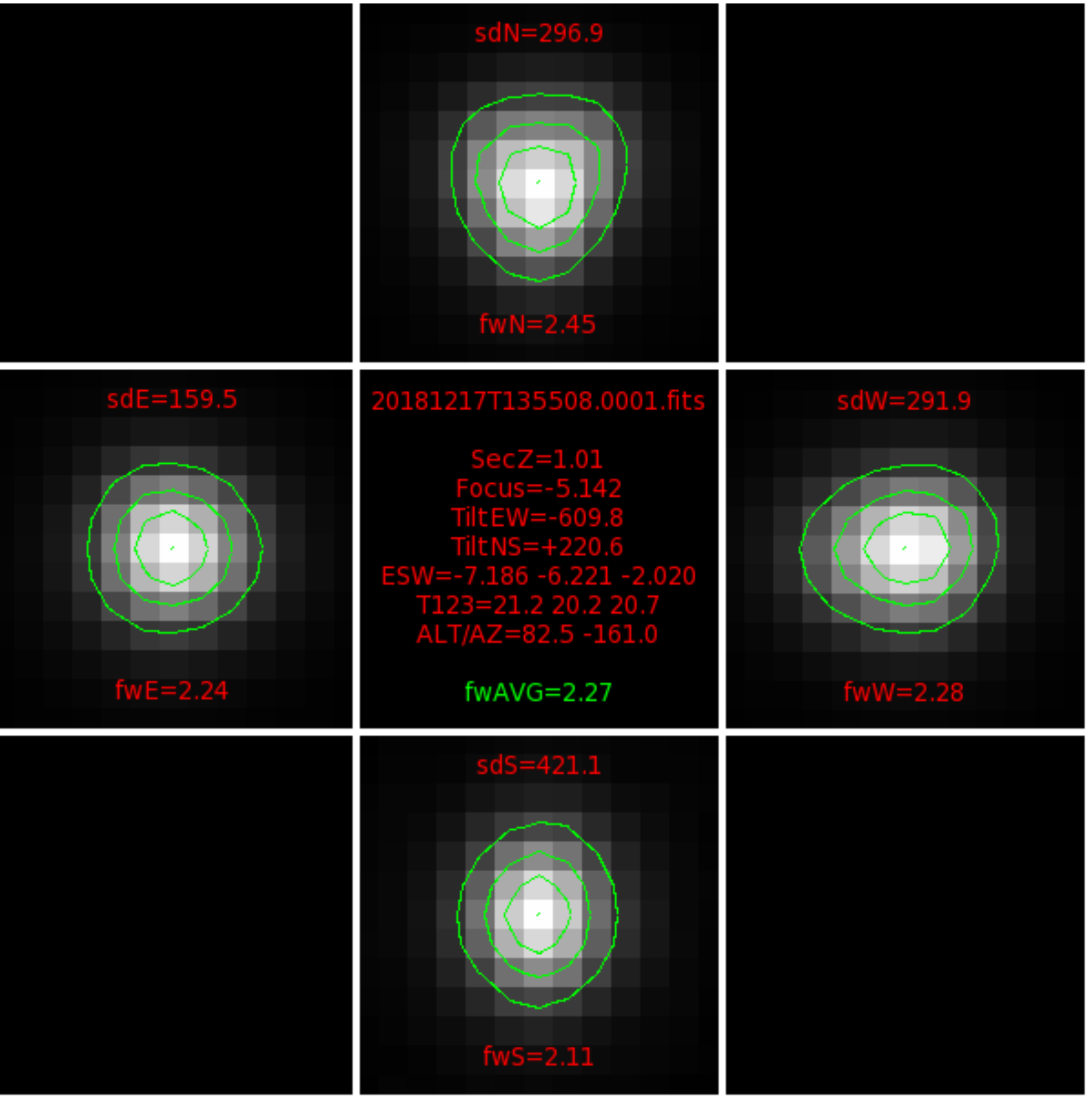

sdN=111.9
fwN=2.40
sdE=69.8
fwE=2.19
20181217T135419.0001.fits
SecZ=1.01
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 0.0 20.7
ALT/AZ=82.5 -162.4
fwAVG=2.20
sdW=96.9
fwW=2.18
sdS=193.7
fwS=2.02
0 0 0 0 0 0 0 0 0


sdN=296.9
fwN=2.45
sdE=159.5
fwE=2.24
20181217T135508.0001.fits
SecZ=1.01
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.2 20.2 20.7
ALT/AZ=82.5 -161.0
fwAVG=2.27
sdW=291.9
fwW=2.28
sdS=421.1
fwS=2.11
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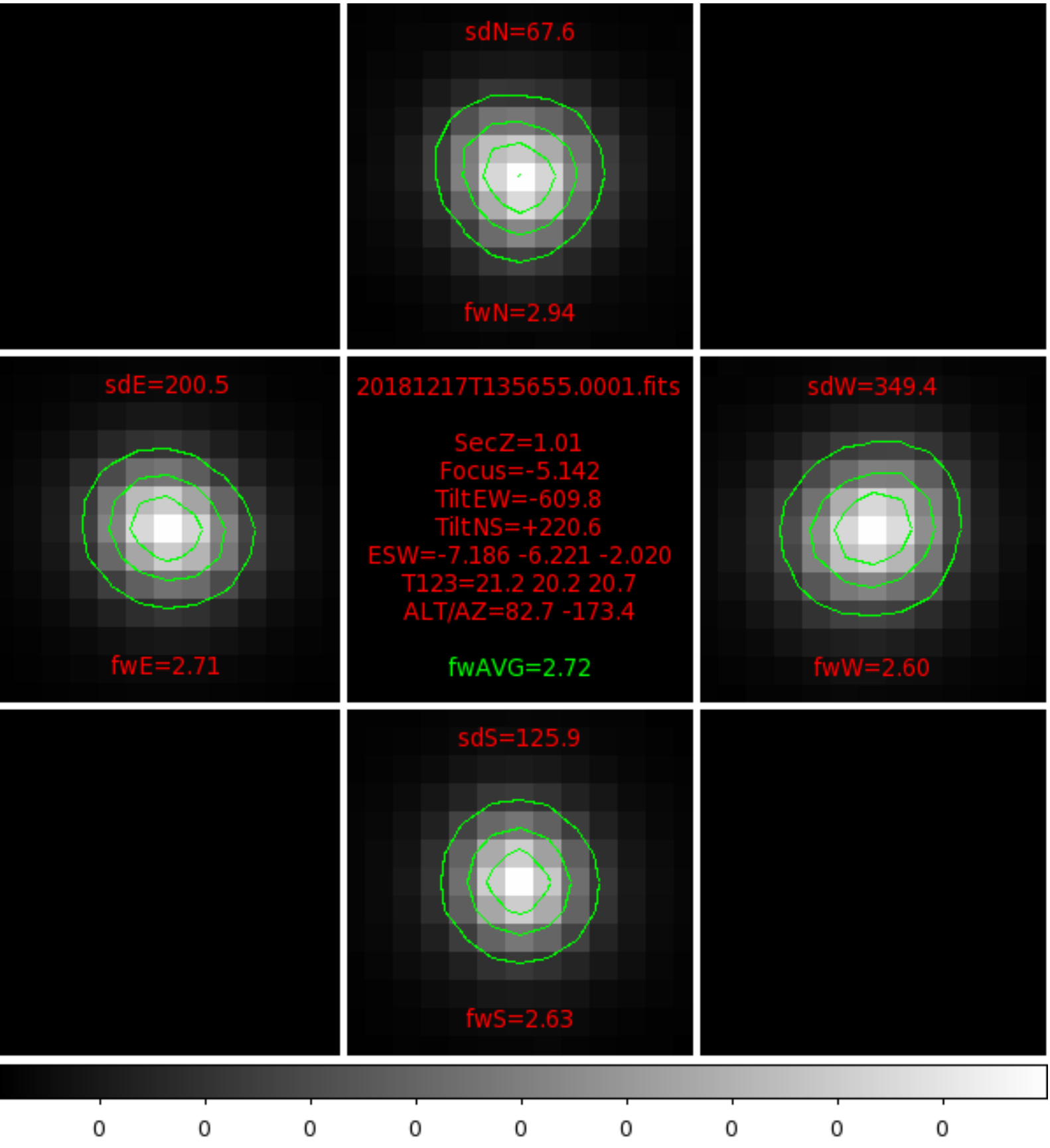
sdN=67.6
fwN=2.94
sdE=200.5
fwE=2.71
20181217T135655.0001.fits
SecZ=1.01
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.2 20.2 20.7
ALT/AZ=82.7 -173.4
fwAVG=2.72
sdW=349.4
fwW=2.60
sdS=125.9
fwS=2.63
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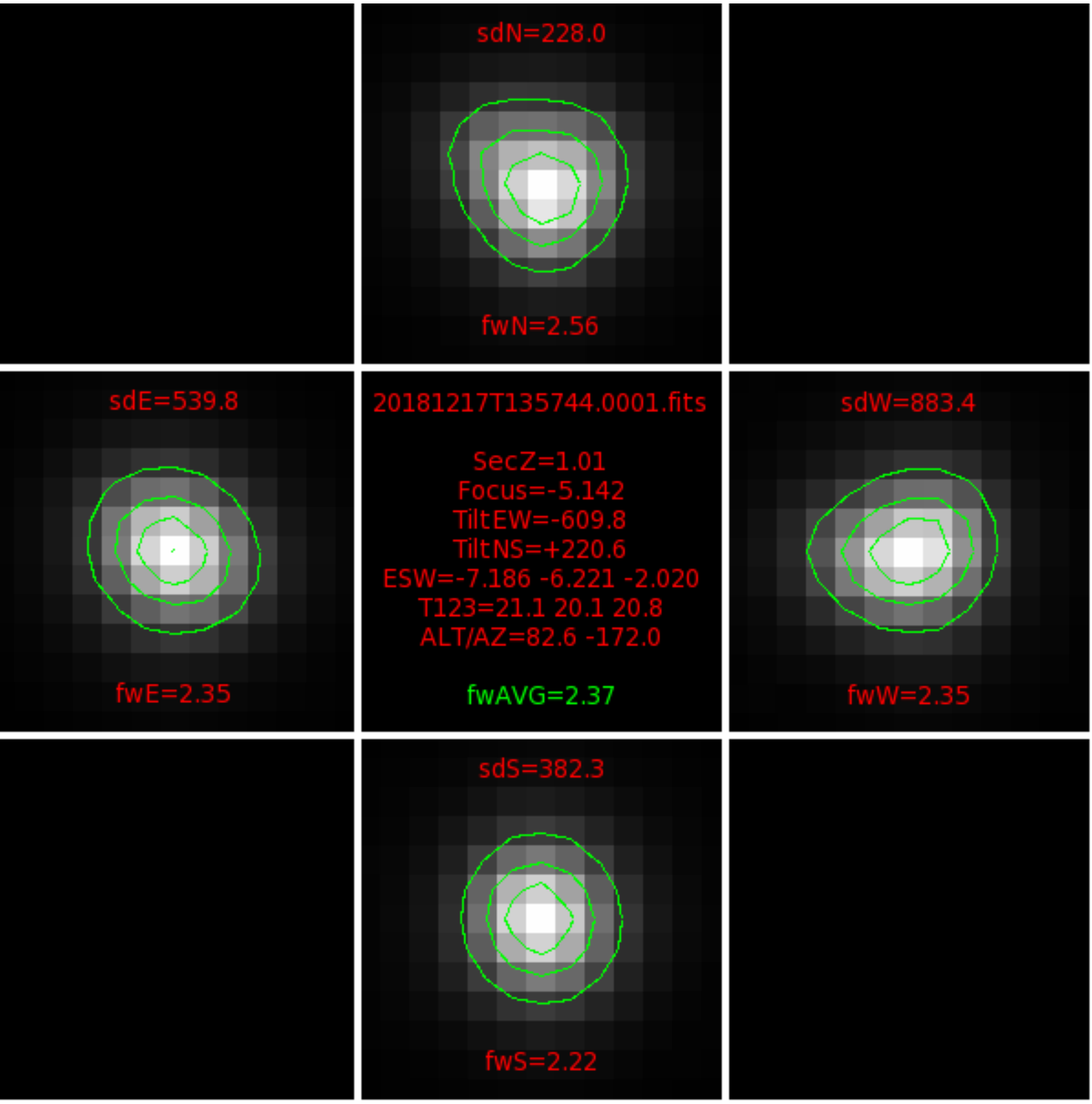
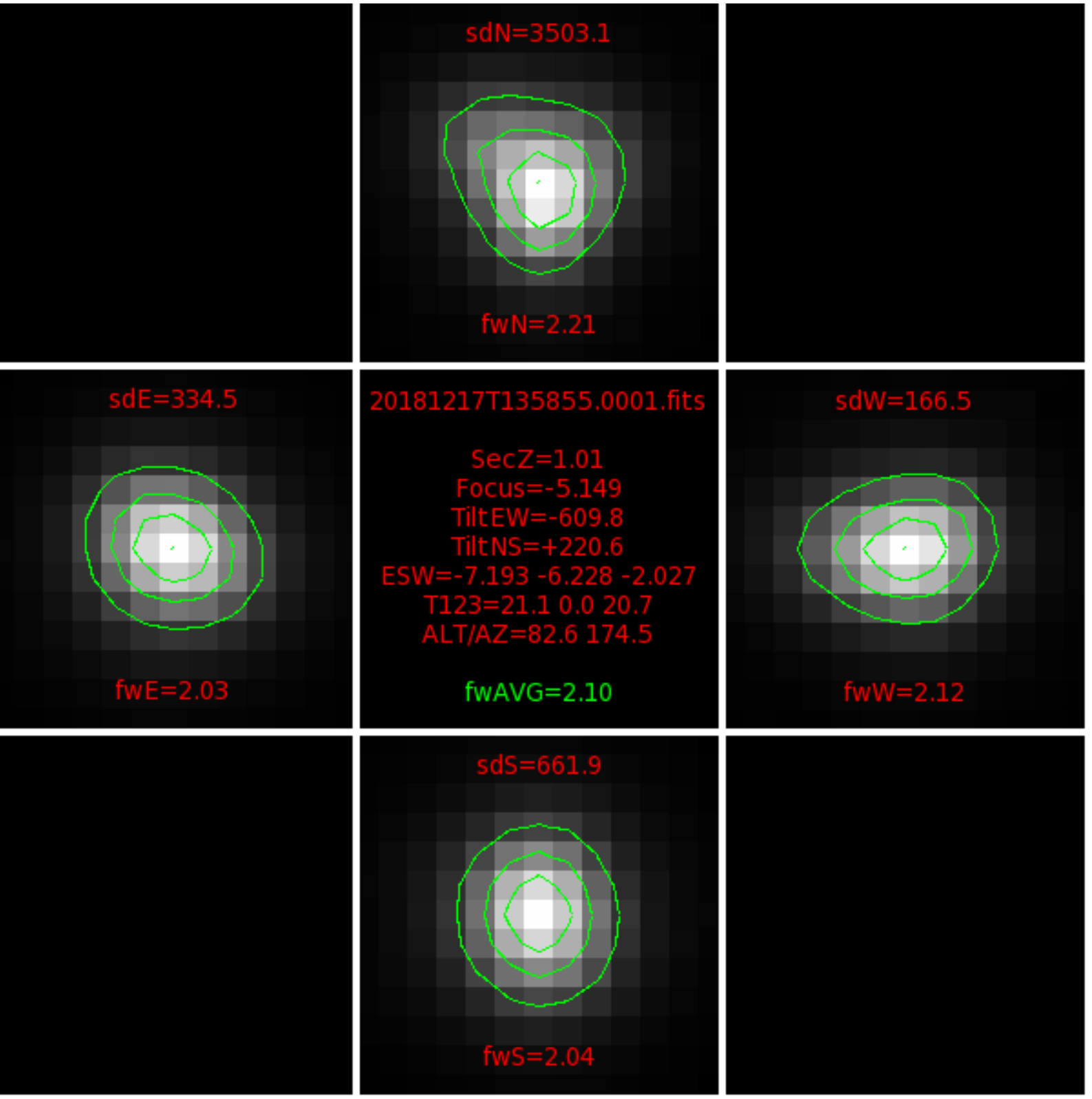
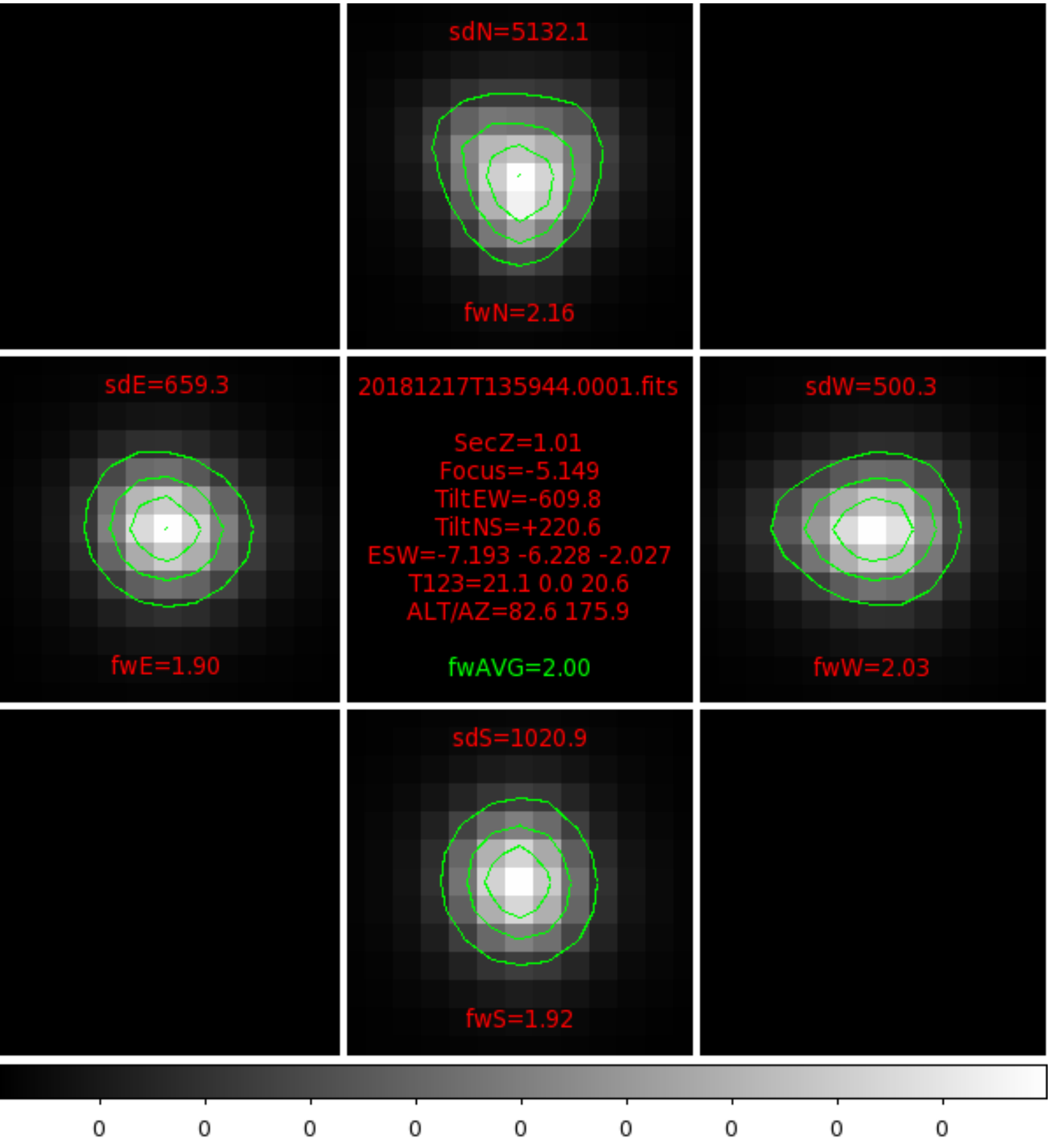

sdN=228.0
fwN=2.56
sdE=539.8
fwE=2.35
20181217T135744.0001.fits
SecZ=1.01
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 20.1 20.8
ALT/AZ=82.6 -172.0
fwAVG=2.37
sdW=883.4
fwW=2.35
sdS=382.3
fwS=2.22
0 0 0 0 0 0 0 0 0


sdN=3503.1
fwN=2.21
sdE=334.5
fwE=2.03
20181217T135855.0001.fits
SecZ=1.01
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.1 0.0 20.7
ALT/AZ=82.6 174.5
fwAVG=2.10
sdW=166.5
fwW=2.12
sdS=661.9
fwS=2.04
0 0 0 0 0 0 0 0 0


sdN=5132.1
fwN=2.16
sdE=659.3
fwE=1.90
20181217T135944.0001.fits
SecZ=1.01
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.1 0.0 20.6
ALT/AZ=82.6 175.9
fwAVG=2.00
sdW=500.3
fwW=2.03
sdS=1020.9
fwS=1.92
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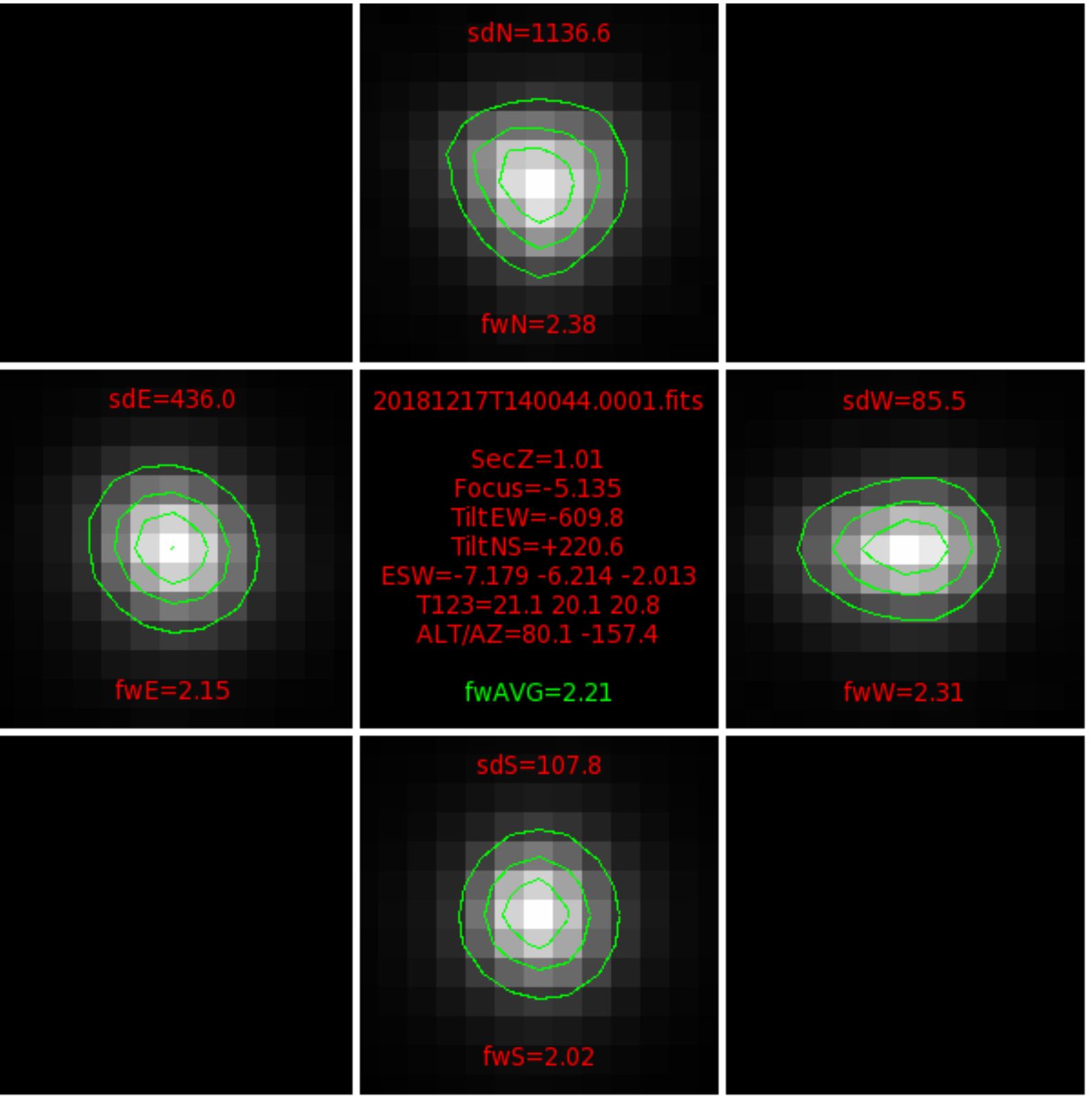
sdN=1136.6
fwN=2.38
sdE=436.0
fwE=2.15
20181217T140044.0001.fits
SecZ=1.01
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 20.1 20.8
ALT/AZ=80.1 -157.4
fwAVG=2.21
sdW=85.5
fwW=2.31
sdS=107.8
fwS=2.02
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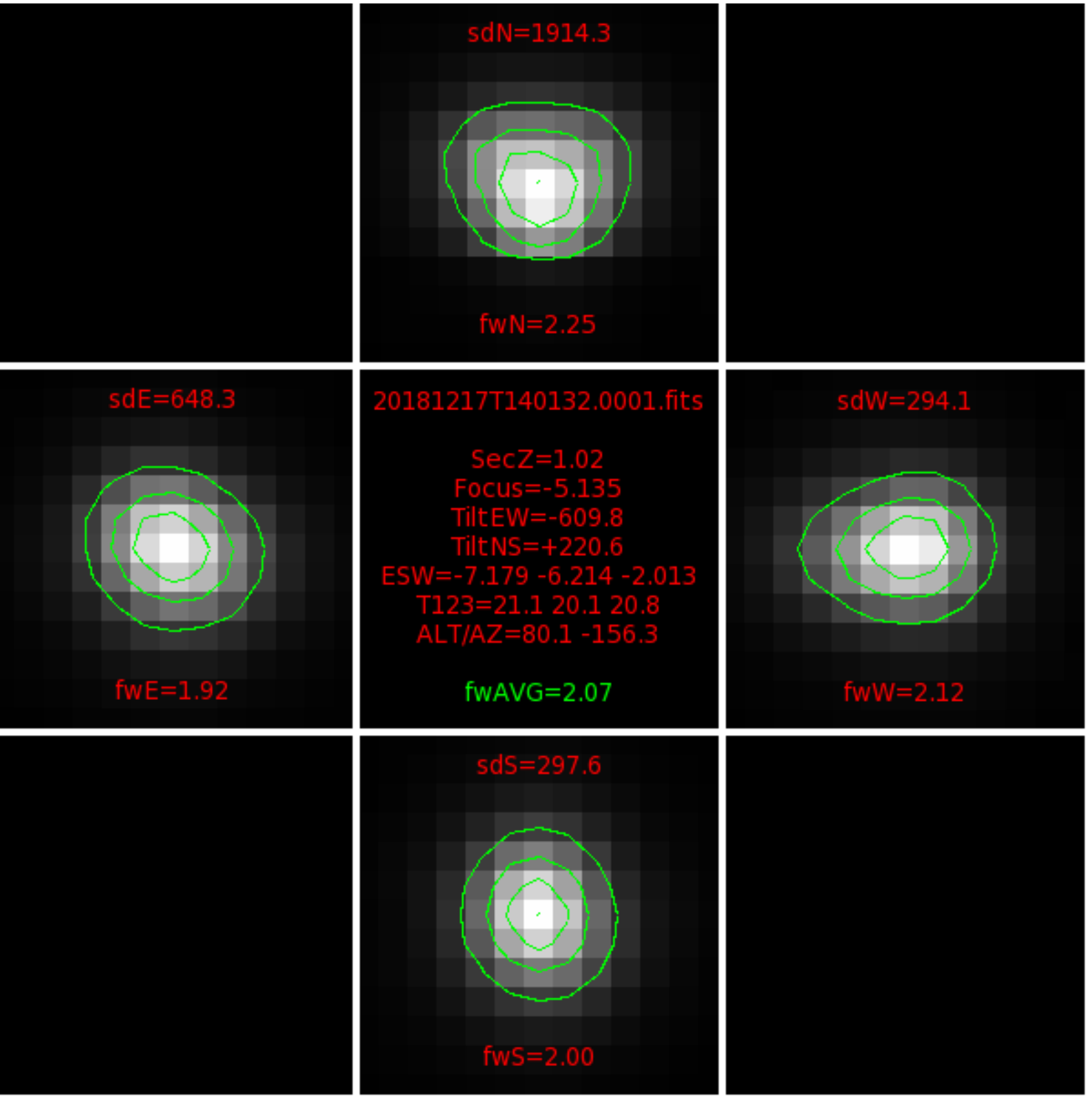
sdN=1914.3
fwN=2.25
sdE=648.3
fwE=1.92
20181217T140132.0001.fits
SecZ=1.02
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 20.1 20.8
ALT/AZ=80.1 -156.3
fwAVG=2.07
sdW=294.1
fwW=2.12
sdS=297.6
fwS=2.00
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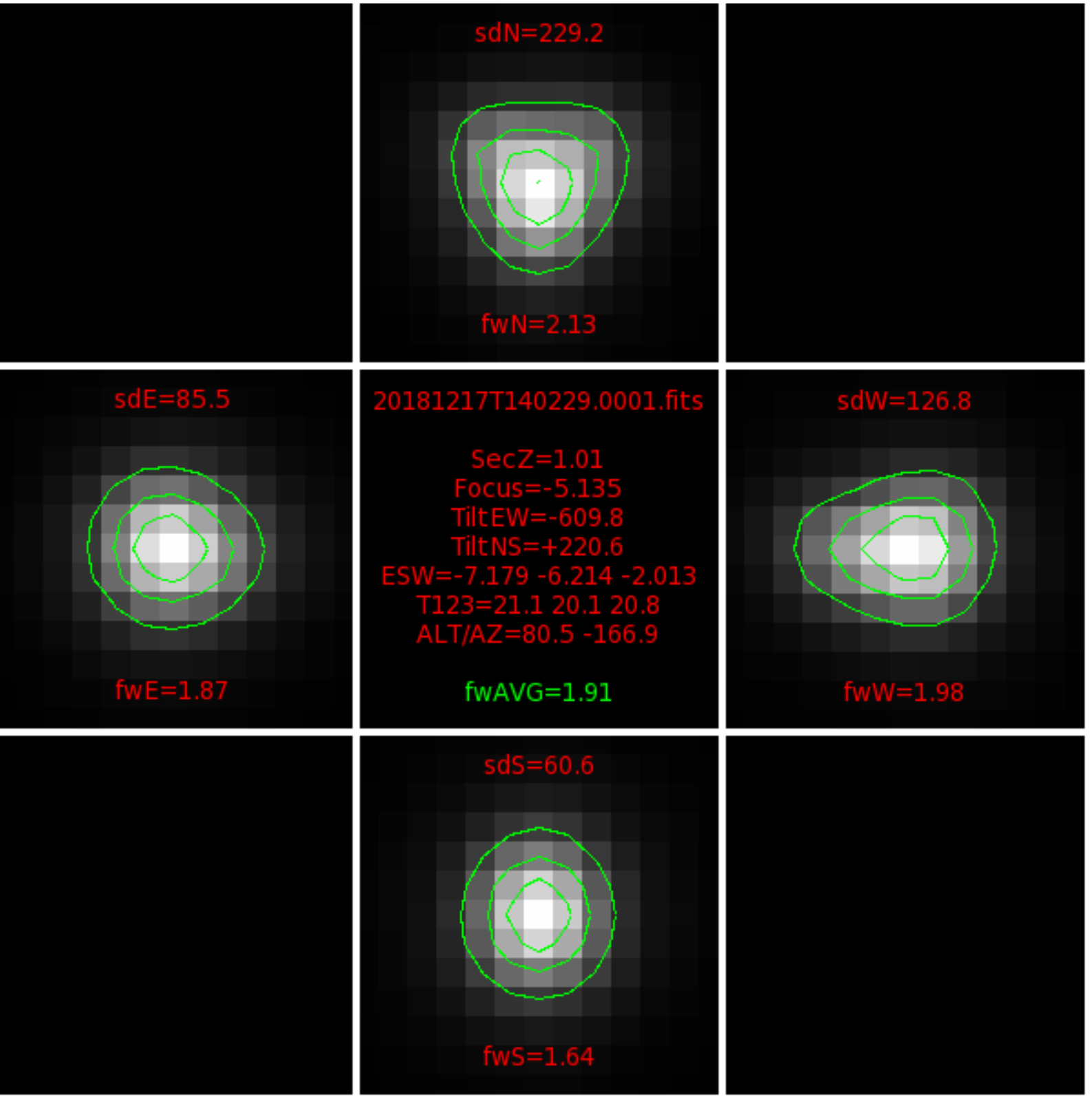
sdN=229.2
fwN=2.13
sdE=85.5
fwE=1.87
20181217T140229.0001.fits
SecZ=1.01
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 20.1 20.8
ALT/AZ=80.5 -166.9
fwAVG=1.91
sdW=126.8
fwW=1.98
sdS=60.6
fwS=1.64
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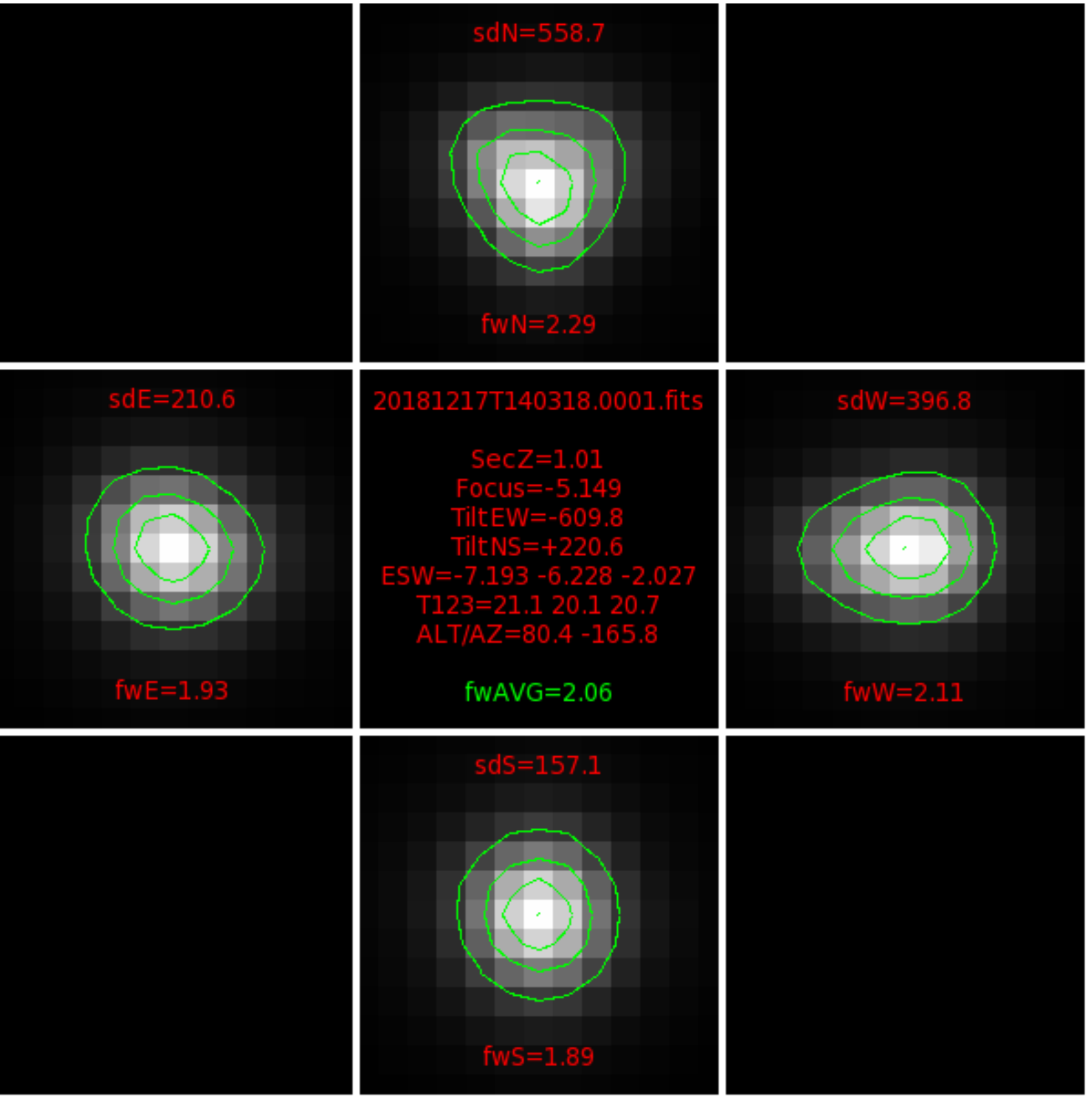
sdN=558.7
fwN=2.29
sdE=210.6
fwE=1.93
20181217T140318.0001.fits
SecZ=1.01
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.1 20.1 20.7
ALT/AZ=80.4 -165.8
fwAVG=2.06
sdW=396.8
fwW=2.11
sdS=157.1
fwS=1.89
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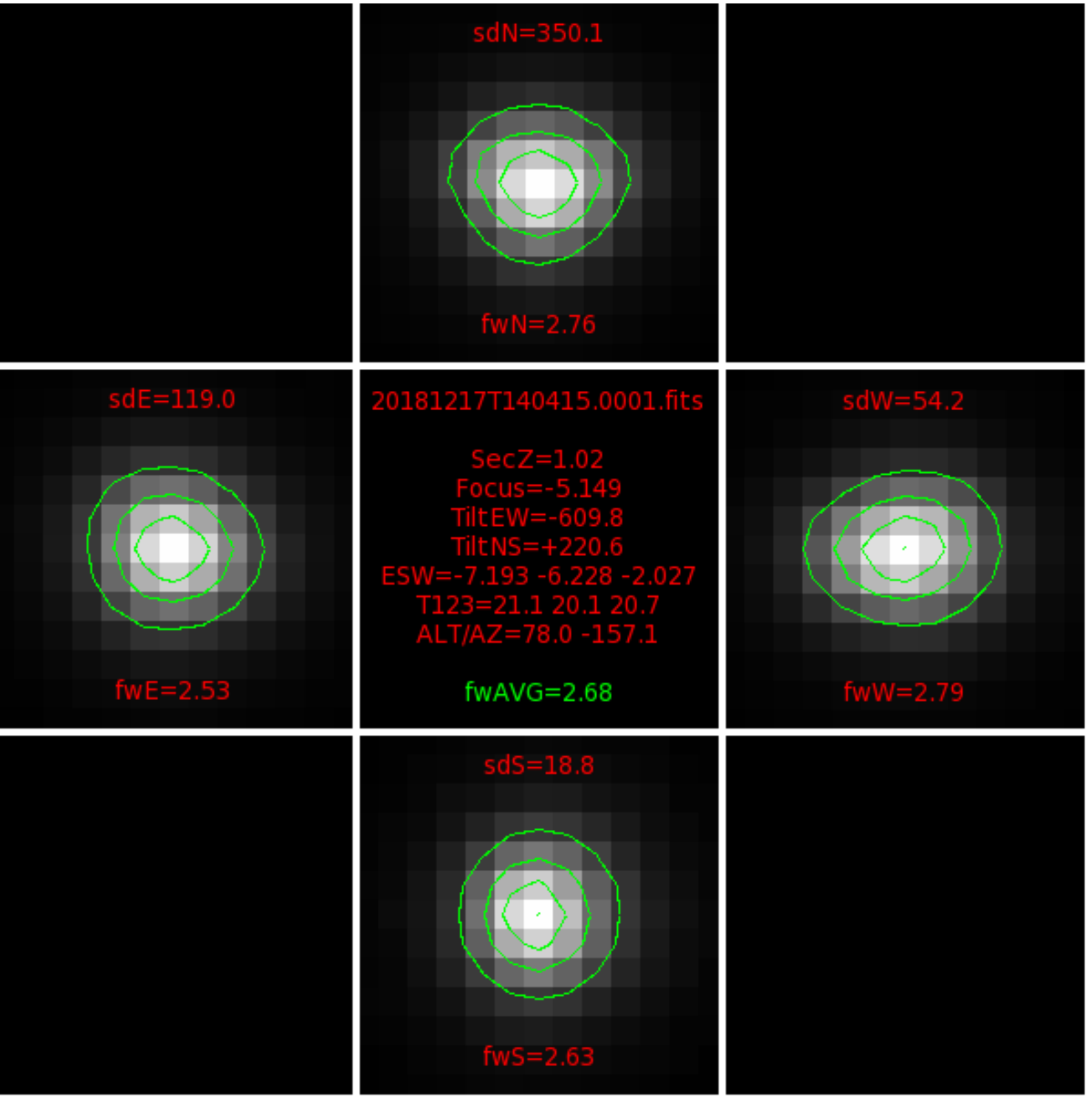
sdN=350.1
fwN=2.76
sdE=119.0
fwE=2.53
20181217T140415.0001.fits
SecZ=1.02
Focus=-5.149
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.193 -6.228 -2.027
T123=21.1 20.1 20.7
ALT/AZ=78.0 -157.1
fwAVG=2.68
sdW=54.2
fwW=2.79
sdS=18.8
fwS=2.63
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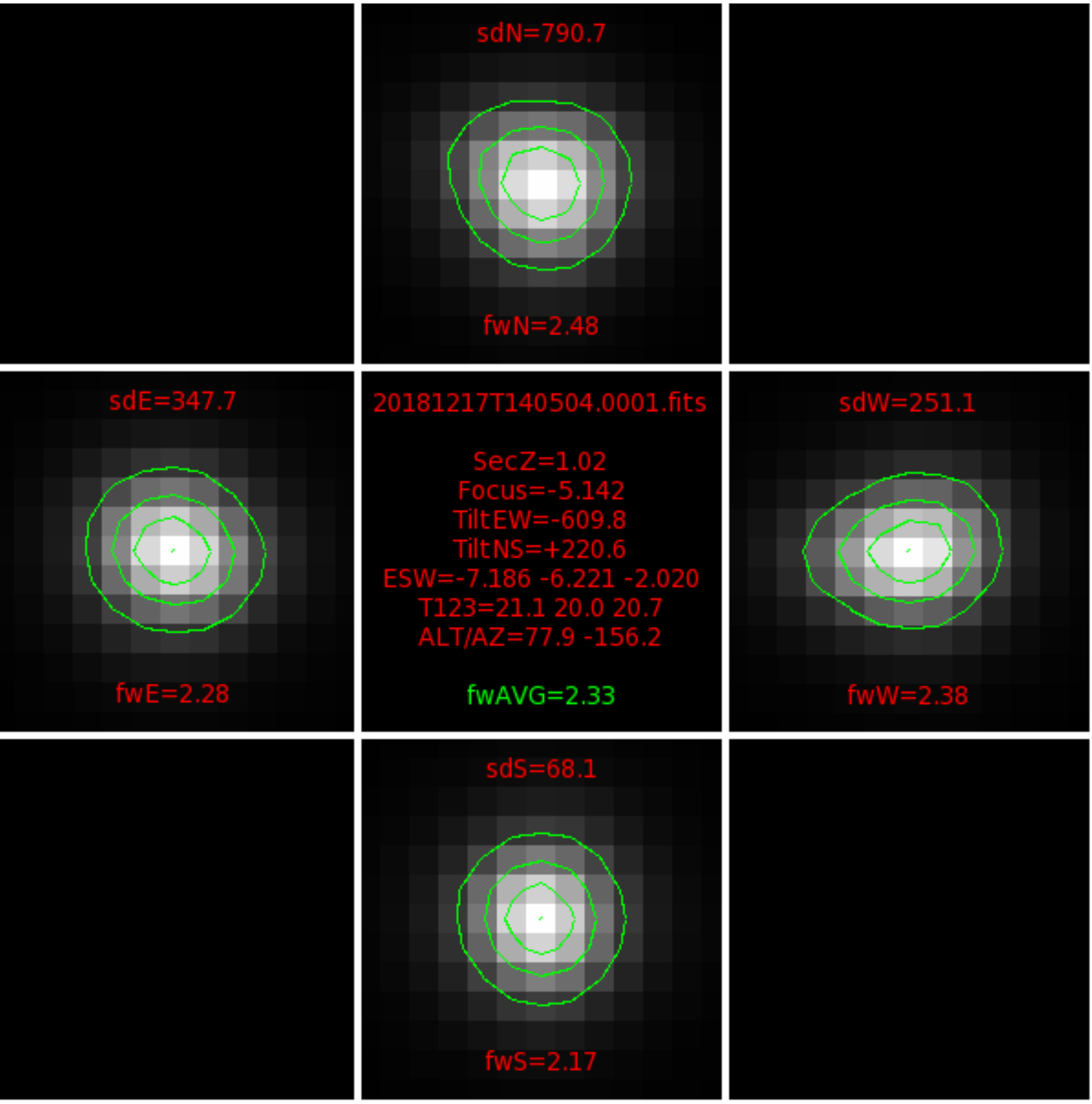
sdN=790.7
fwN=2.48
sdE=347.7
fwE=2.28
20181217T140504.0001.fits
SecZ=1.02
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 20.0 20.7
ALT/AZ=77.9 -156.2
fwAVG=2.33
sdW=251.1
fwW=2.38
sdS=68.1
fwS=2.17
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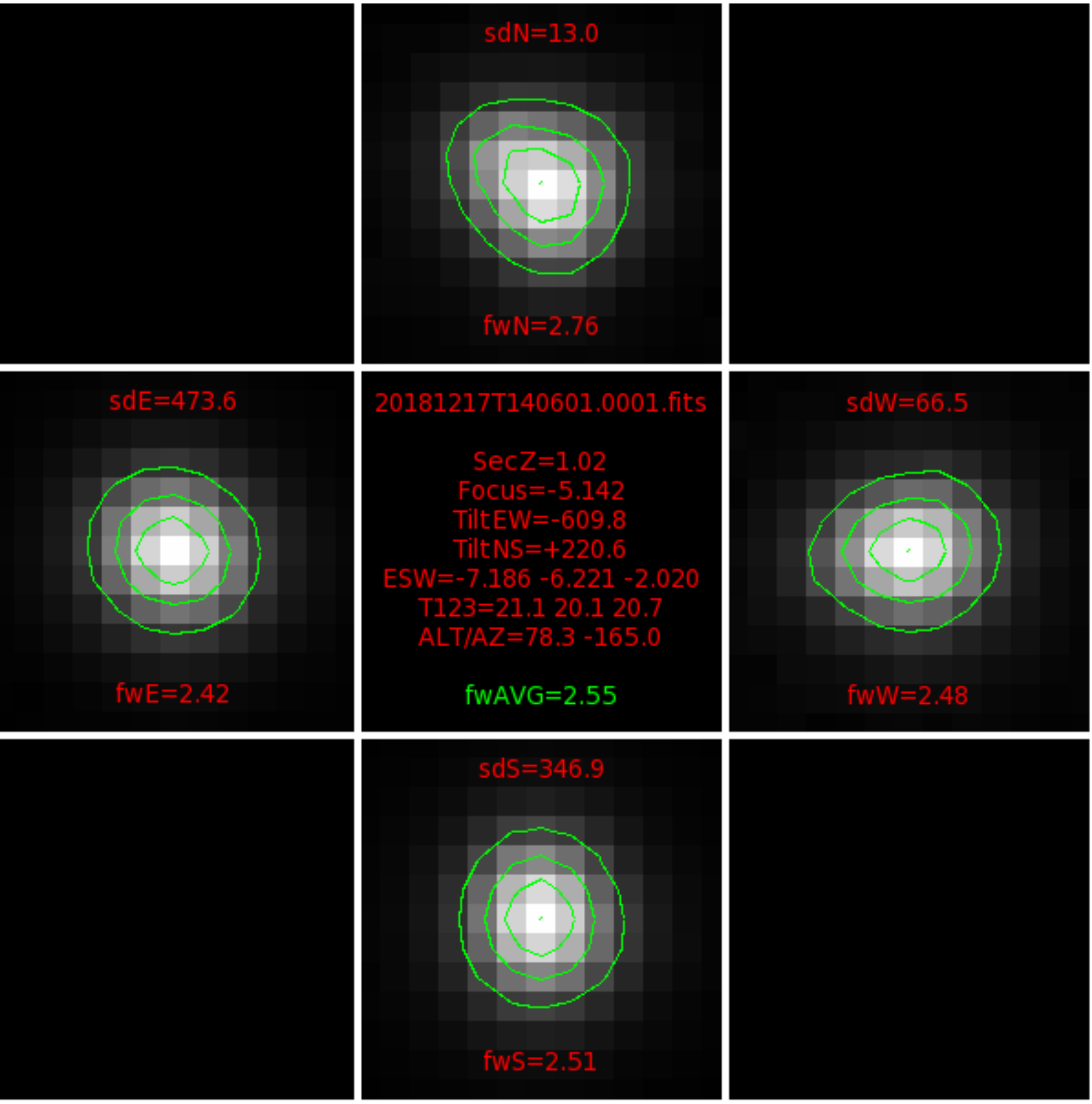
sdN=13.0
fwN=2.76
sdE=473.6
fwE=2.42
20181217T140601.0001.fits
SecZ=1.02
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 20.1 20.7
ALT/AZ=78.3 -165.0
fwAVG=2.55
sdW=66.5
fwW=2.48
sdS=346.9
fwS=2.51
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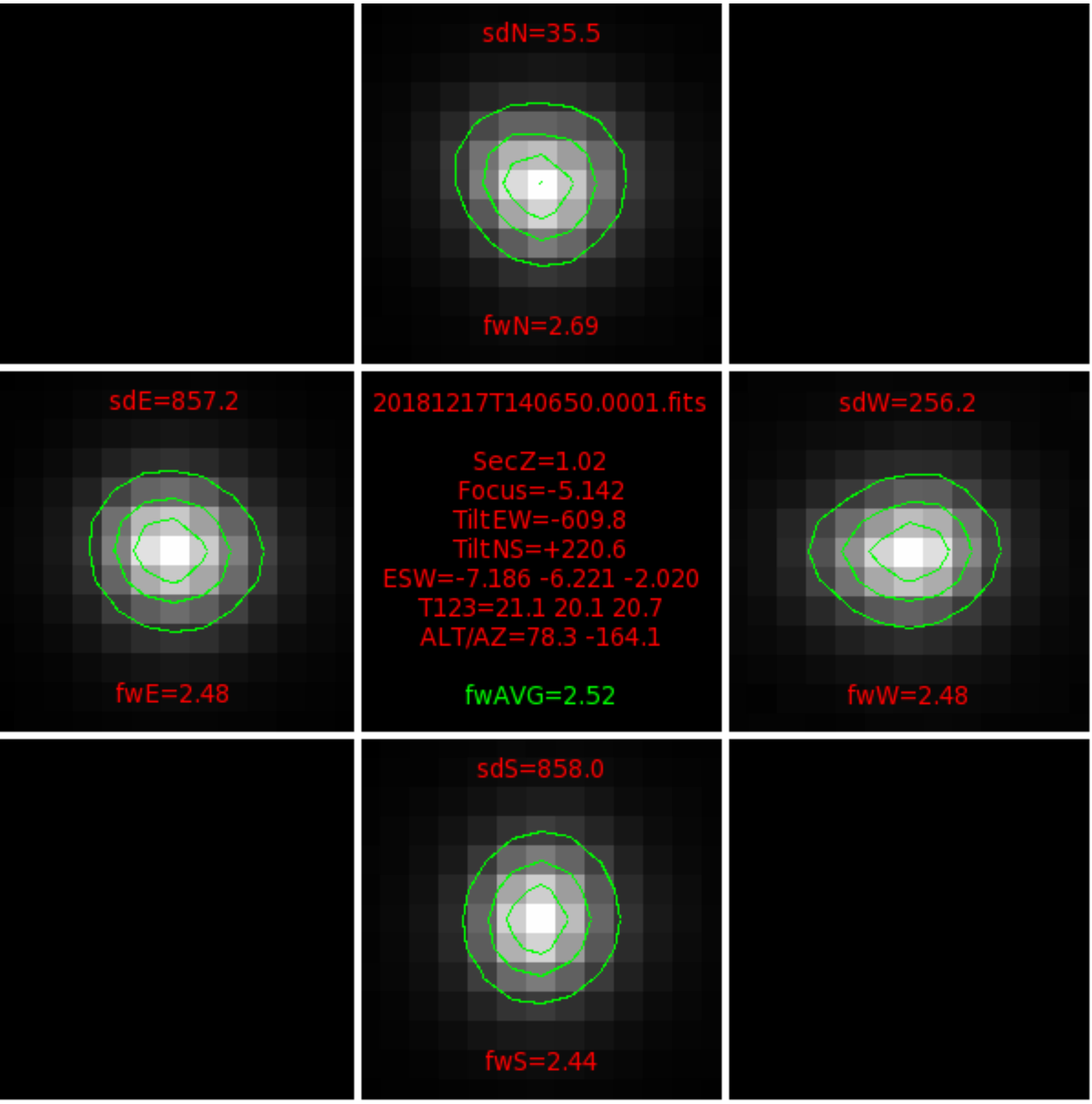
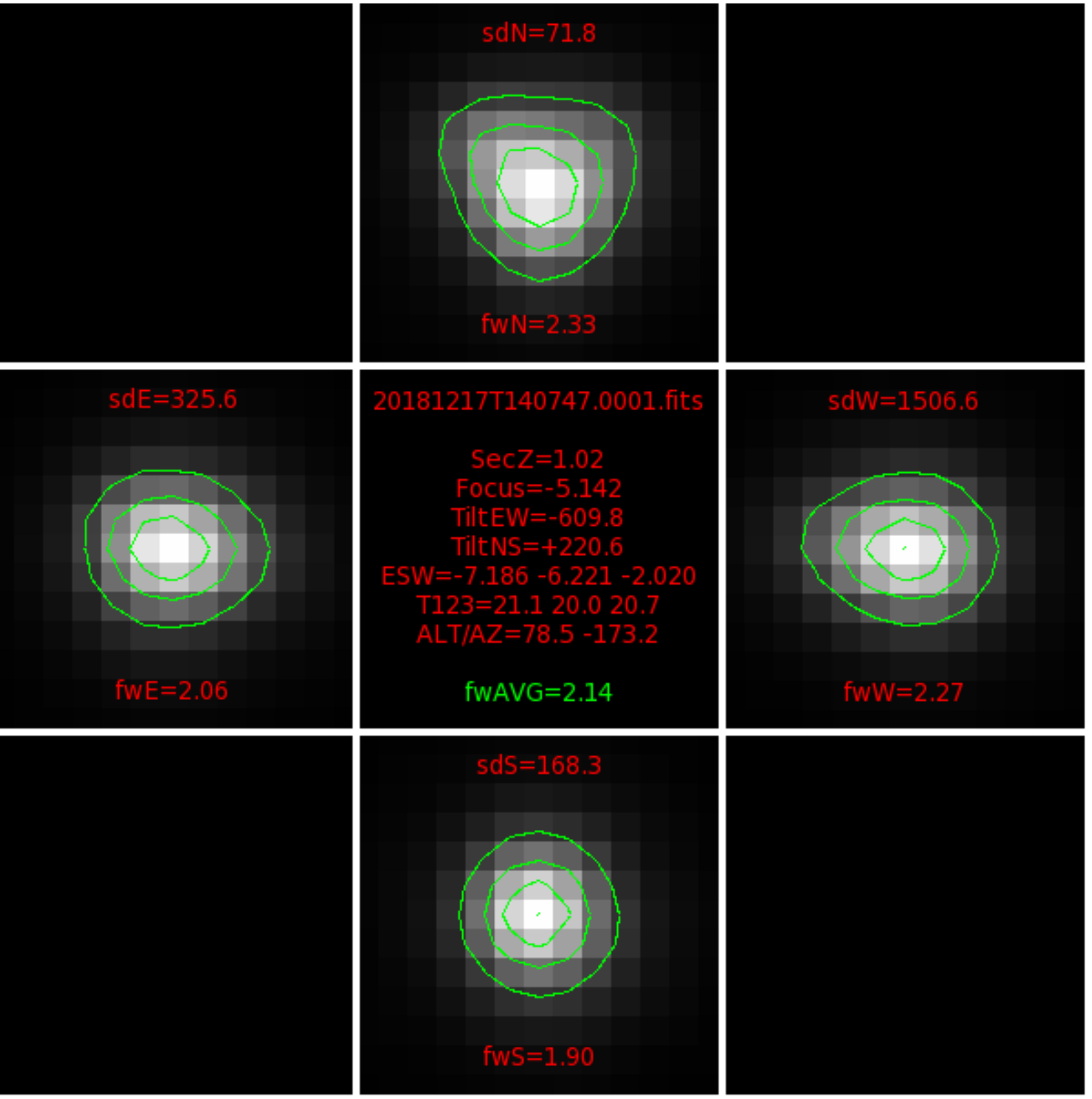

sdN=35.5
fwN=2.69
sdE=857.2
fwE=2.48
20181217T140650.0001.fits
SecZ=1.02
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 20.1 20.7
ALT/AZ=78.3 -164.1
fwAVG=2.52
sdW=256.2
fwW=2.48
sdS=858.0
fwS=2.44
0 0 0 0 0 0 0 0 0


sdN=71.8
fwN=2.33
sdE=325.6
fwE=2.06
20181217T140747.0001.fits
SecZ=1.02
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 20.0 20.7
ALT/AZ=78.5 -173.2
fwAVG=2.14
sdW=1506.6
fwW=2.27
sdS=168.3
fwS=1.90
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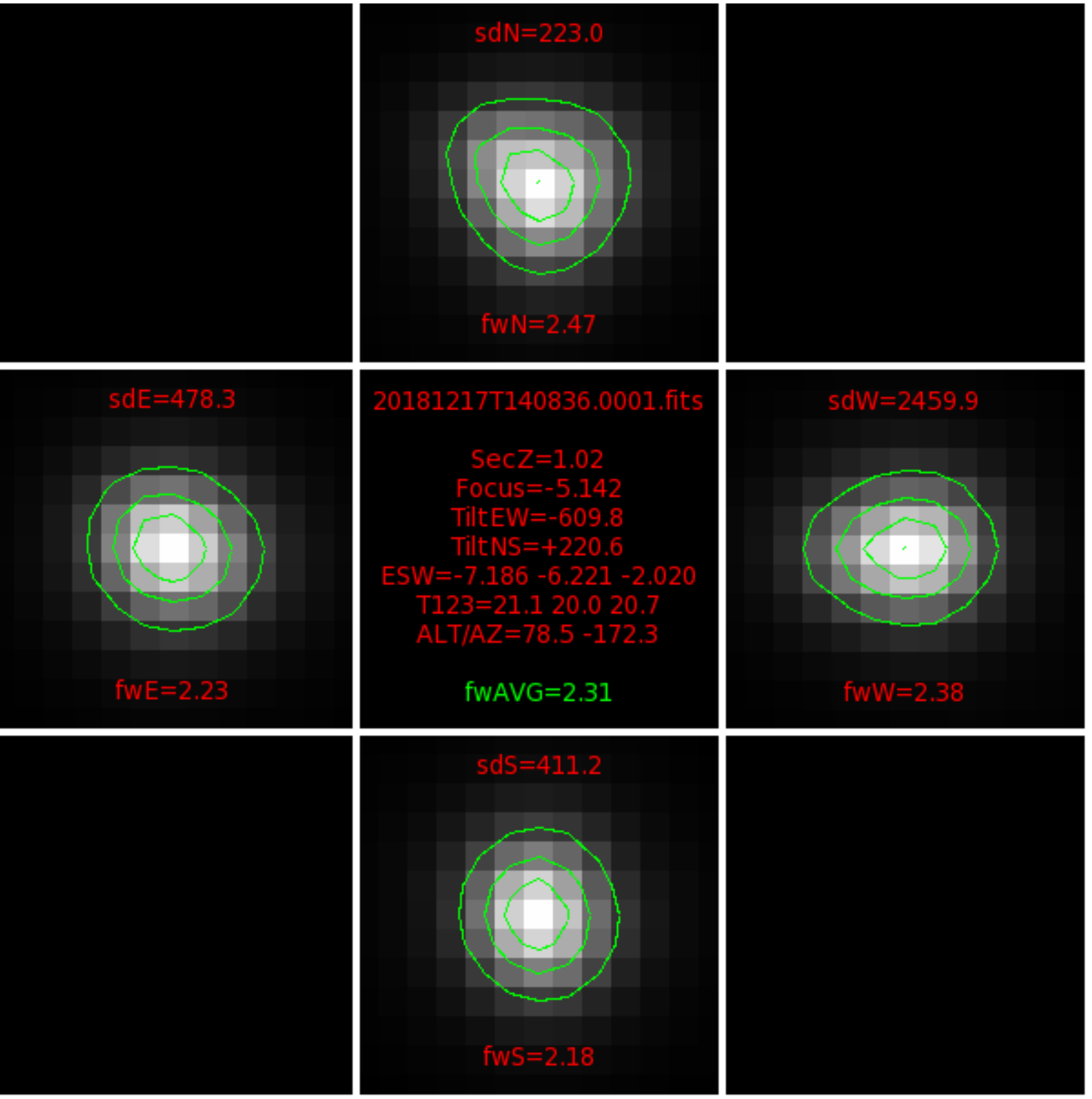
sdN=223.0
fwN=2.47
sdE=478.3
fwE=2.23
20181217T140836.0001.fits
SecZ=1.02
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 20.0 20.7
ALT/AZ=78.5 -172.3
fwAVG=2.31
sdW=2459.9
fwW=2.38
sdS=411.2
fwS=2.18
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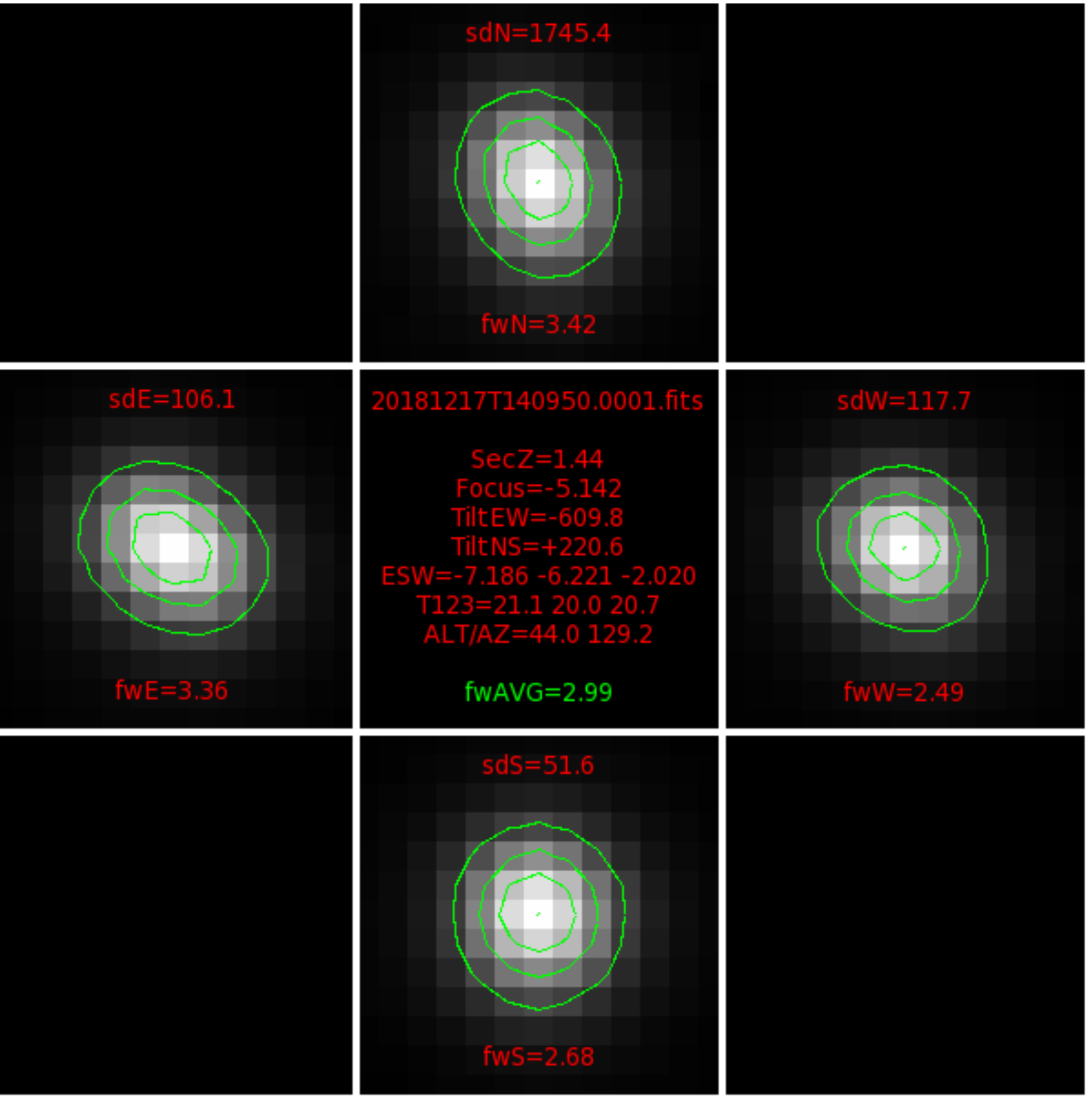
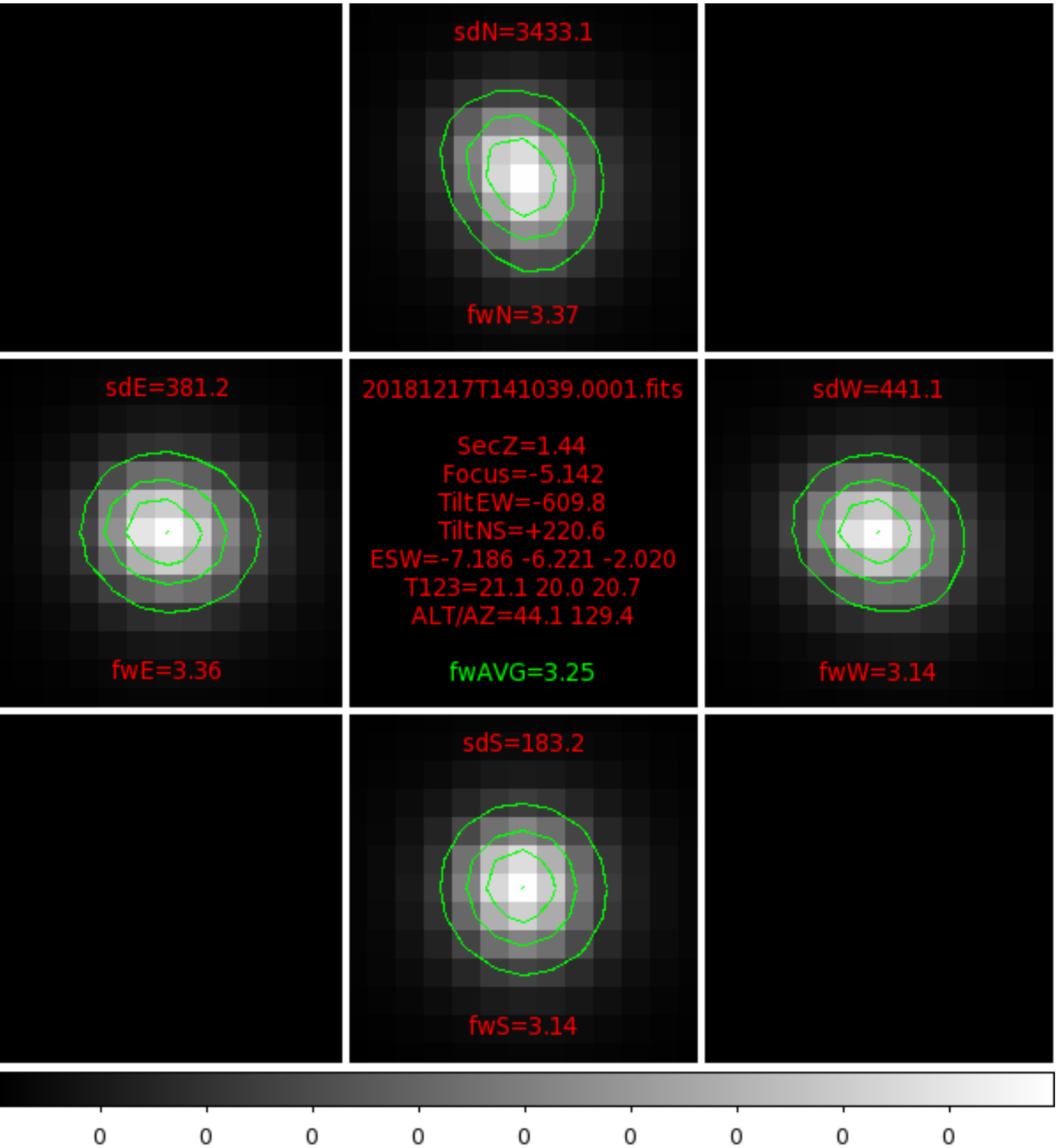

sdN=1745.4
fwN=3.42
sdE=106.1
fwE=3.36
20181217T140950.0001.fits
SecZ=1.44
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 20.0 20.7
ALT/AZ=44.0 129.2
fwAVG=2.99
sdW=117.7
fwW=2.49
sdS=51.6
fwS=2.68
0 0 0 0 0 0 0 0 0


sdN=3433.1
fwN=3.37
sdE=381.2
fwE=3.36
20181217T141039.0001.fits
SecZ=1.44
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 20.0 20.7
ALT/AZ=44.1 129.4
fwAVG=3.25
sdW=441.1
fwW=3.14
sdS=183.2
fwS=3.14
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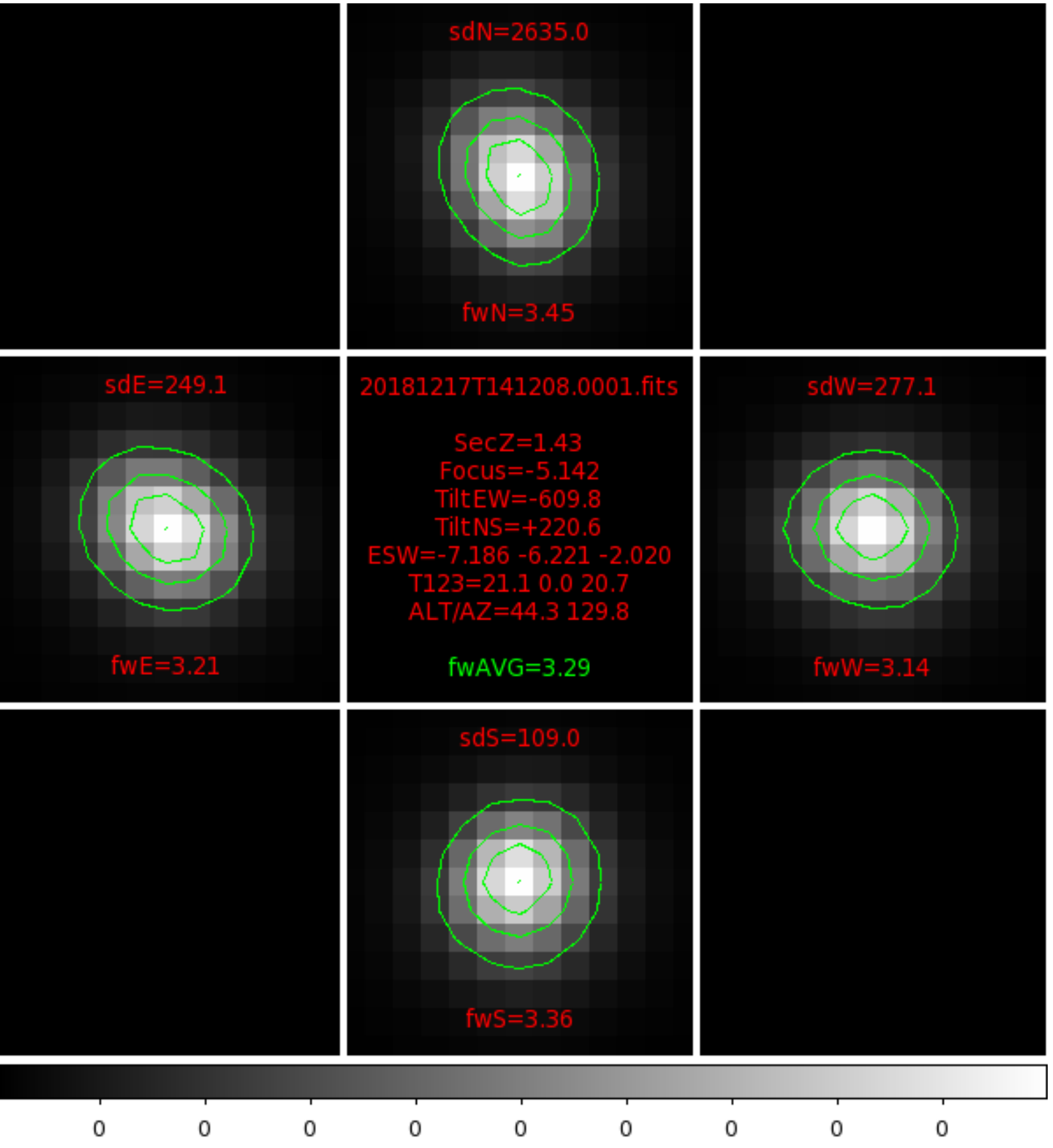
sdN=2635.0
fwN=3.45
sdE=249.1
fwE=3.21
20181217T141208.0001.fits
SecZ=1.43
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 0.0 20.7
ALT/AZ=44.3 129.8
fwAVG=3.29
sdW=277.1
fwW=3.14
sdS=109.0
fwS=3.36
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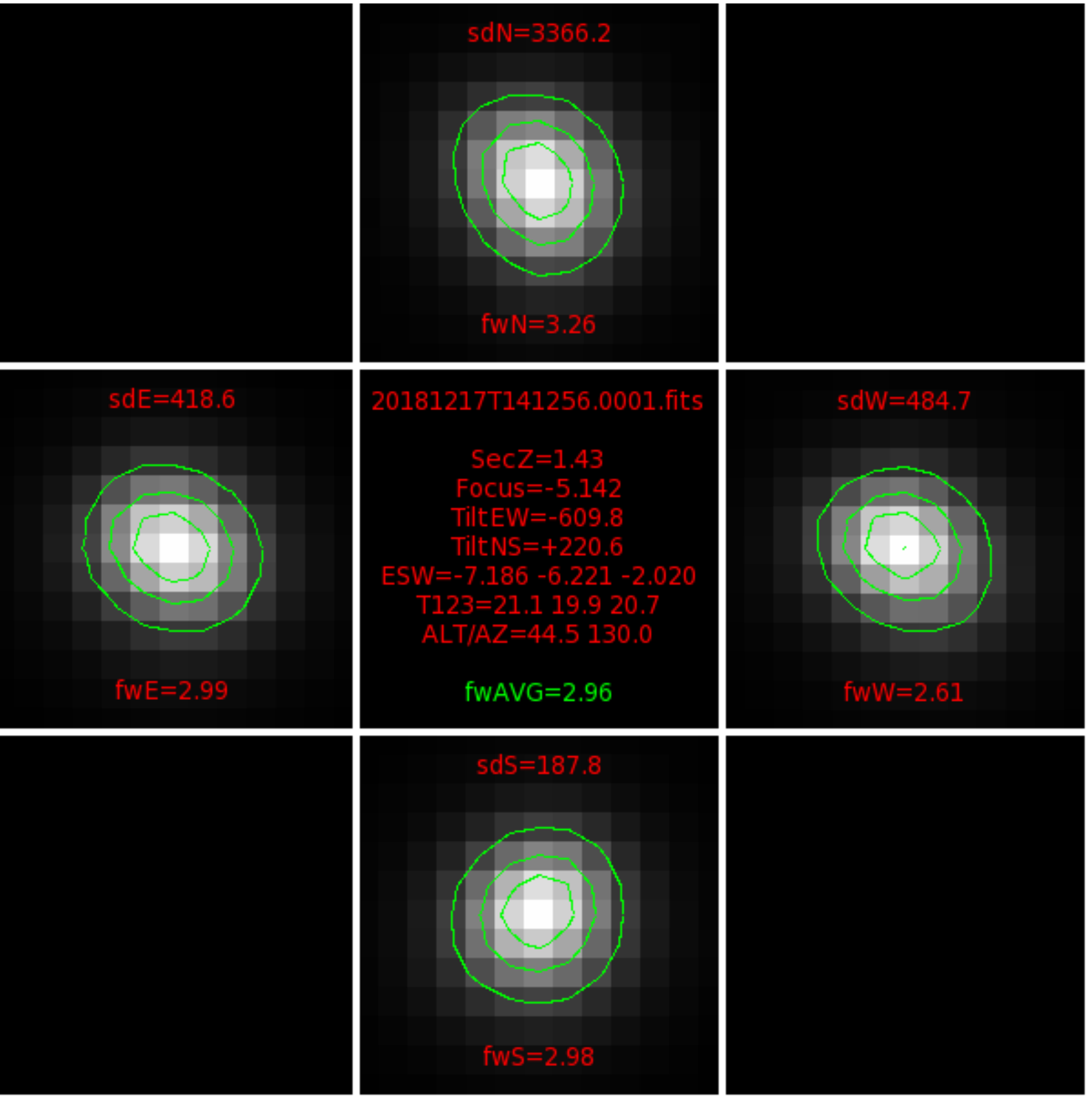
sdN=3366.2
fwN=3.26
sdE=418.6
fwE=2.99
20181217T141256.0001.fits
SecZ=1.43
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 19.9 20.7
ALT/AZ=44.5 130.0
fwAVG=2.96
sdW=484.7
fwW=2.61
sdS=187.8
fwS=2.98
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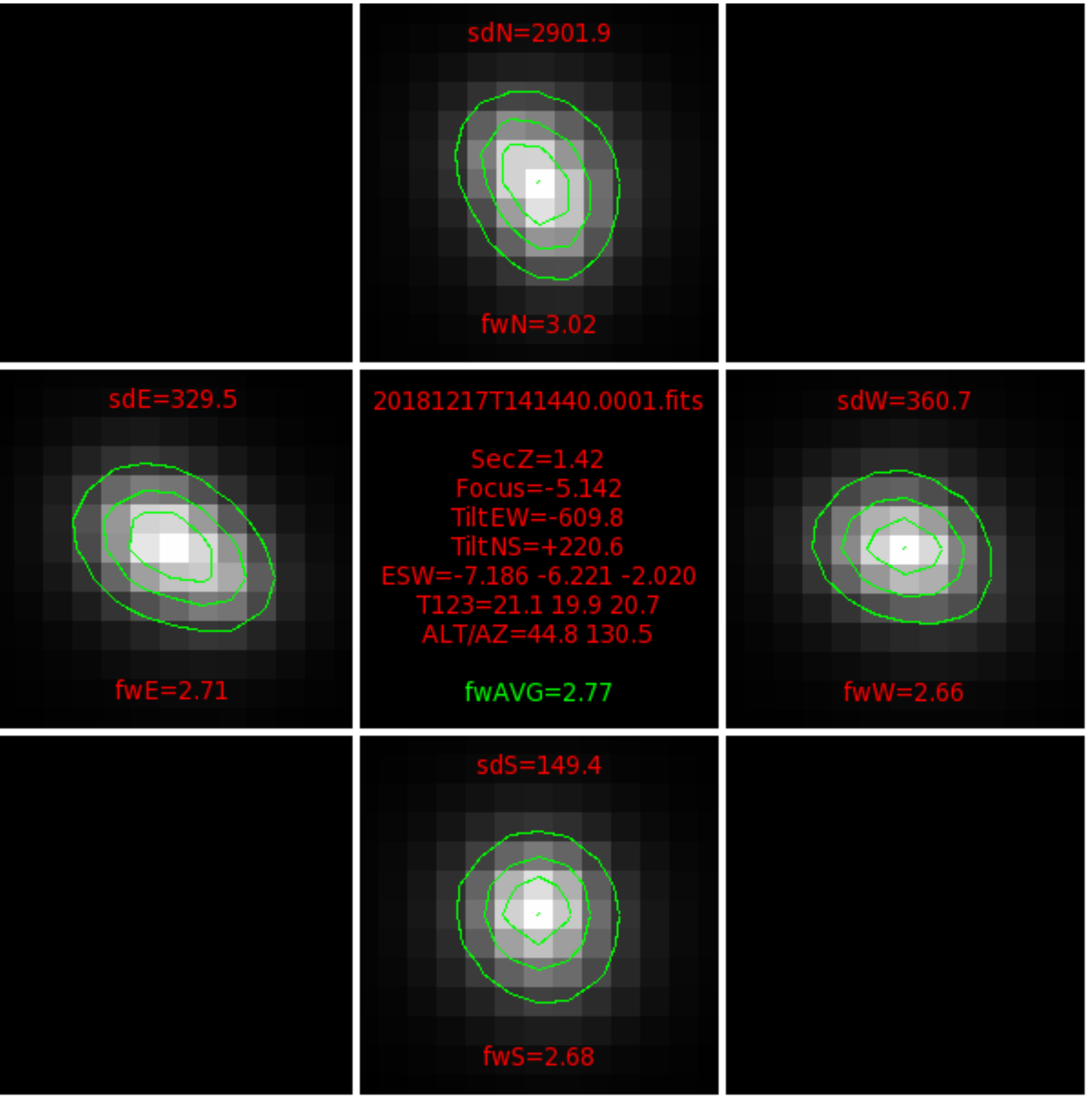
sdN=2901.9
fwN=3.02
sdE=329.5
fwE=2.71
20181217T141440.0001.fits
SecZ=1.42
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 19.9 20.7
ALT/AZ=44.8 130.5
fwAVG=2.77
sdW=360.7
fwW=2.66
sdS=149.4
fwS=2.68
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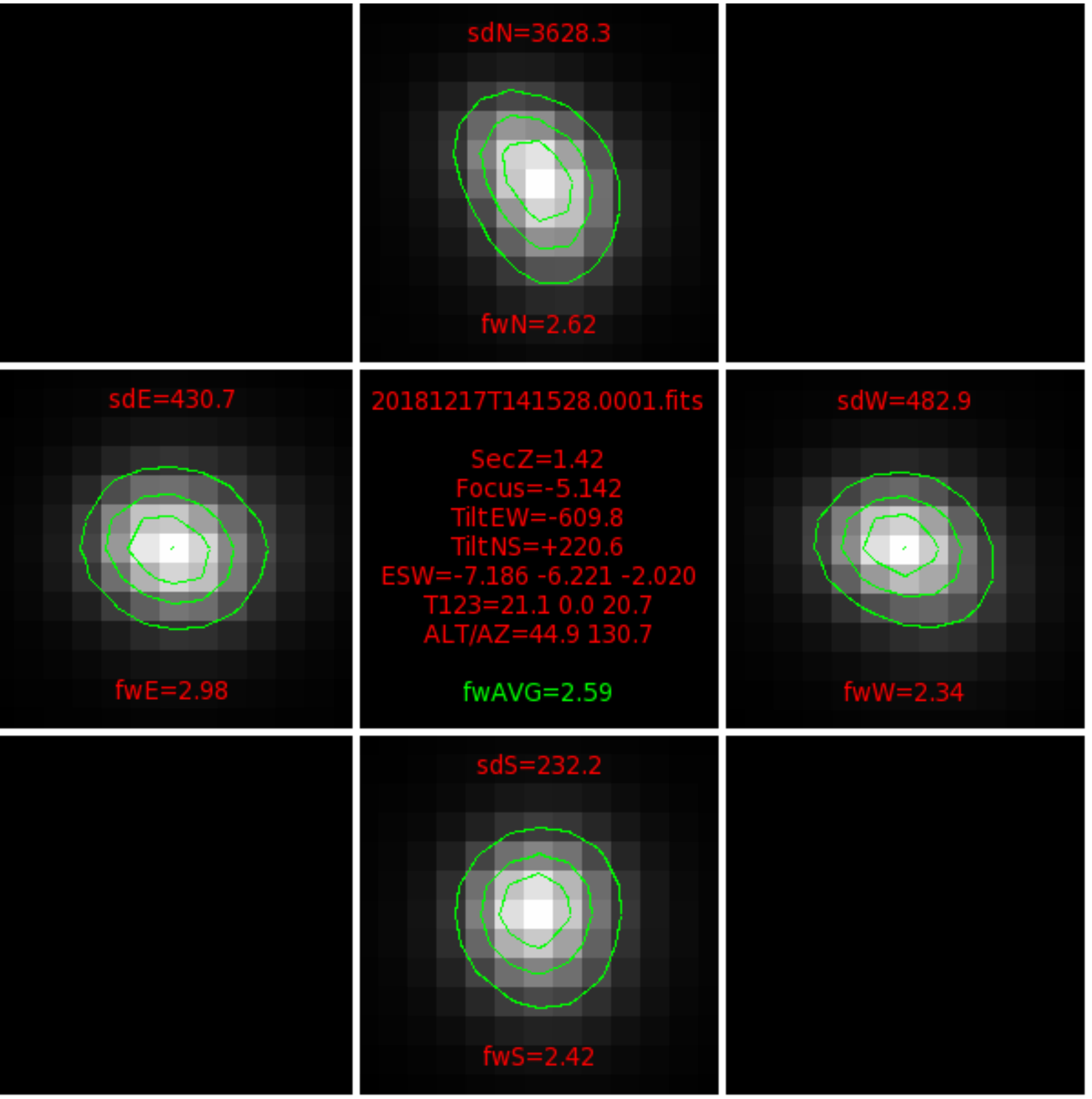
sdN=3628.3
fwN=2.62
sdE=430.7
fwE=2.98
20181217T141528.0001.fits
SecZ=1.42
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 0.0 20.7
ALT/AZ=44.9 130.7
fwAVG=2.59
sdW=482.9
fwW=2.34
sdS=232.2
fwS=2.42
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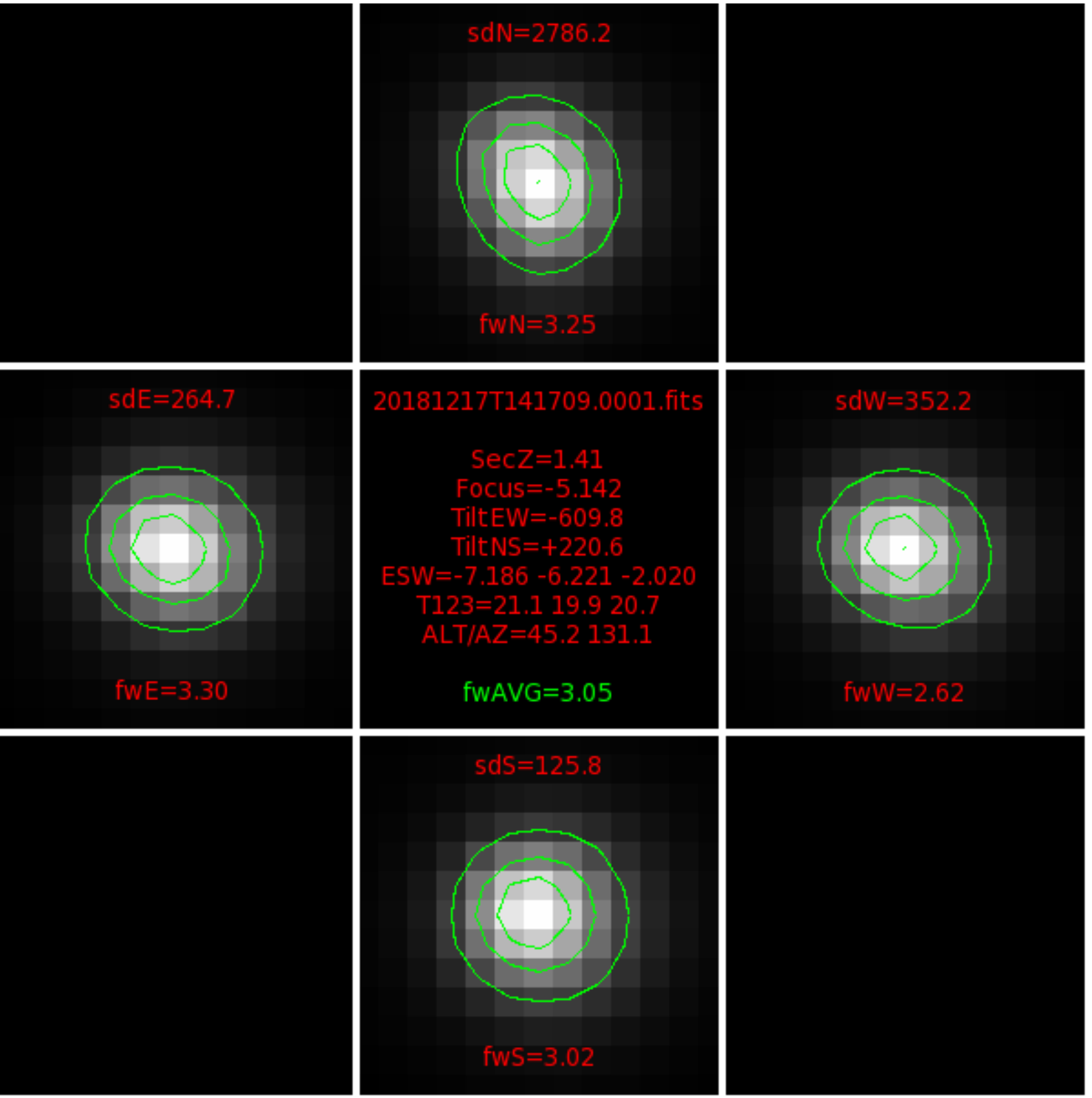
sdN=2786.2
fwN=3.25
sdE=264.7
fwE=3.30
20181217T141709.0001.fits
SecZ=1.41
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 19.9 20.7
ALT/AZ=45.2 131.1
fwAVG=3.05
sdW=352.2
fwW=2.62
sdS=125.8
fwS=3.02
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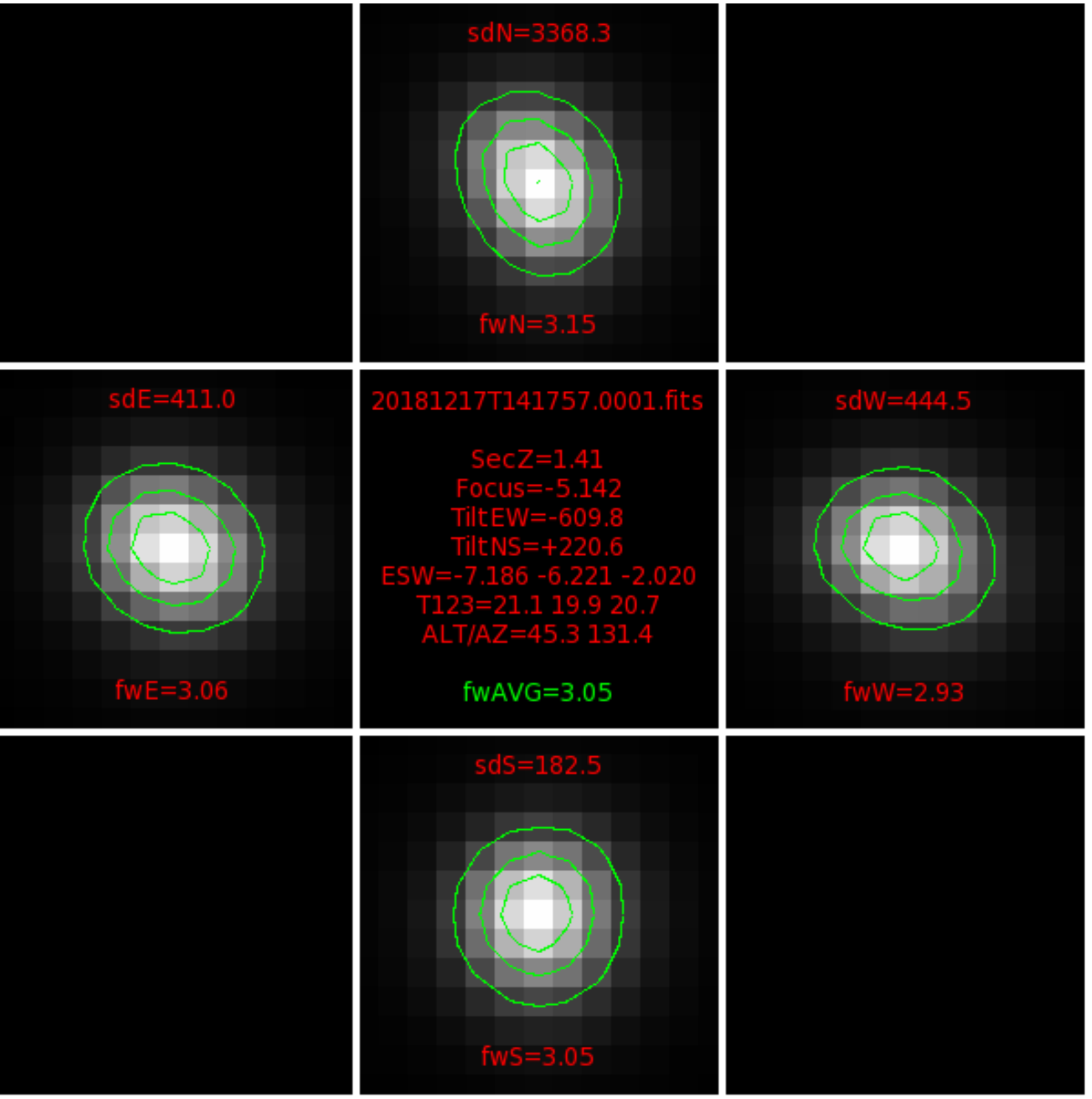
sdN=3368.3
fwN=3.15
sdE=411.0
fwE=3.06
20181217T141757.0001.fits
SecZ=1.41
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 19.9 20.7
ALT/AZ=45.3 131.4
fwAVG=3.05
sdW=444.5
fwW=2.93
sdS=182.5
fwS=3.05
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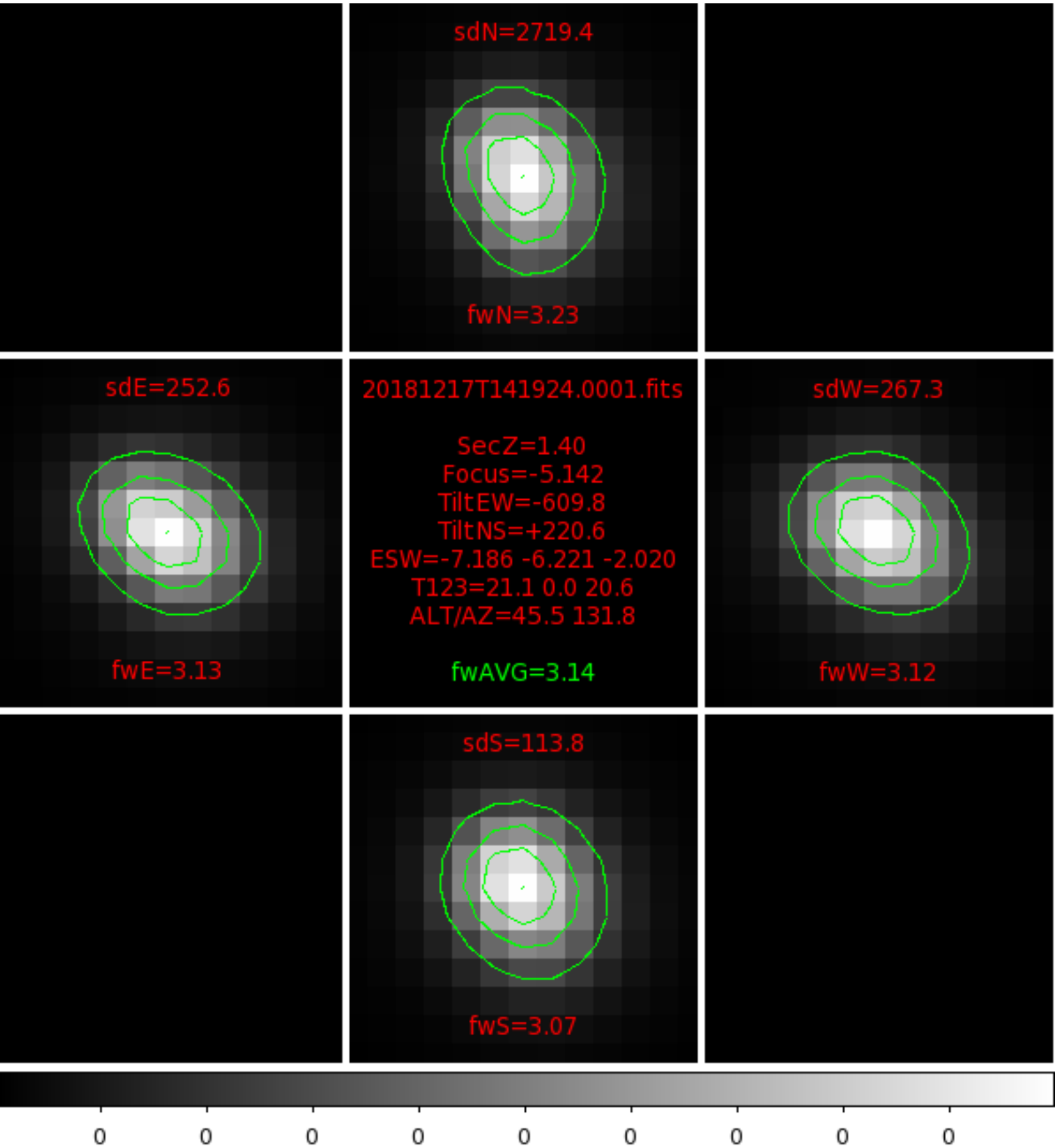
sdN=2719.4
fwN=3.23
sdE=252.6
fwE=3.13
20181217T141924.0001.fits
SecZ=1.40
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 0.0 20.6
ALT/AZ=45.5 131.8
fwAVG=3.14
sdW=267.3
fwW=3.12
sdS=113.8
fwS=3.07
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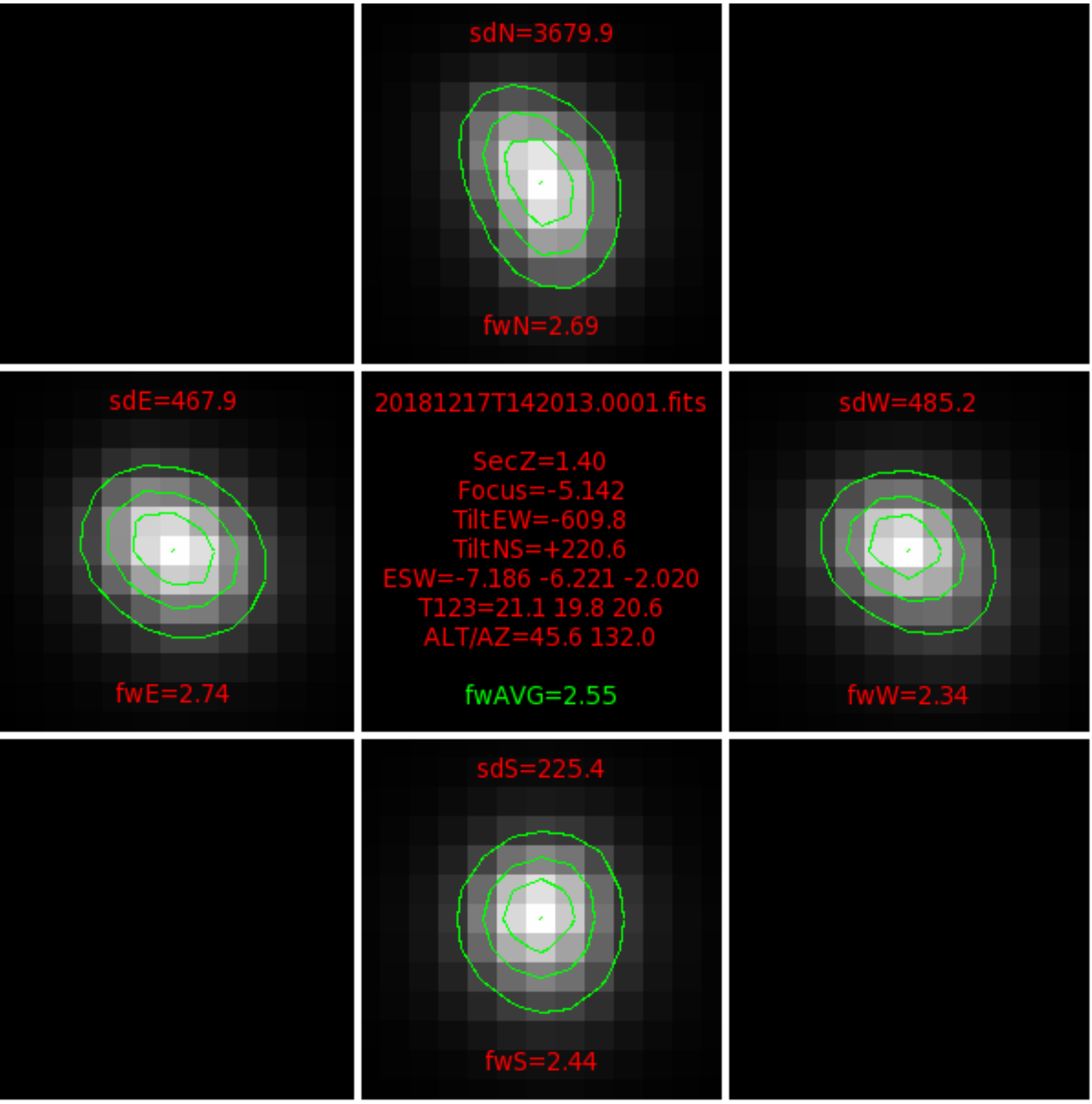
sdN=3679.9
fwN=2.69
sdE=467.9
fwE=2.74
20181217T142013.0001.fits
SecZ=1.40
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 19.8 20.6
ALT/AZ=45.6 132.0
fwAVG=2.55
sdW=485.2
fwW=2.34
sdS=225.4
fwS=2.44
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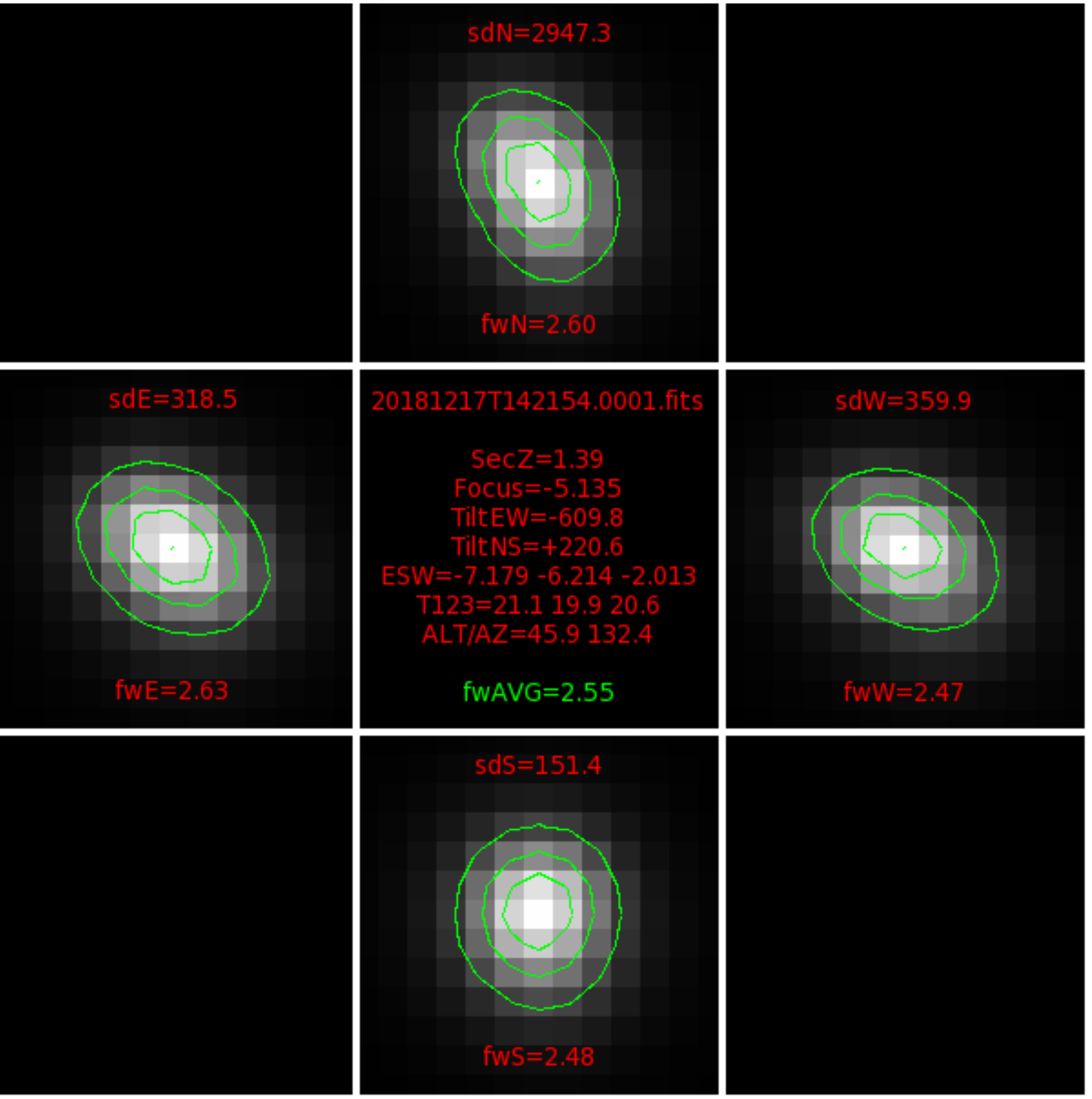
sdN=2947.3
fwN=2.60
sdE=318.5
fwE=2.63
20181217T142154.0001.fits
SecZ=1.39
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.9 20.6
ALT/AZ=45.9 132.4
fwAVG=2.55
sdW=359.9
fwW=2.47
sdS=151.4
fwS=2.48
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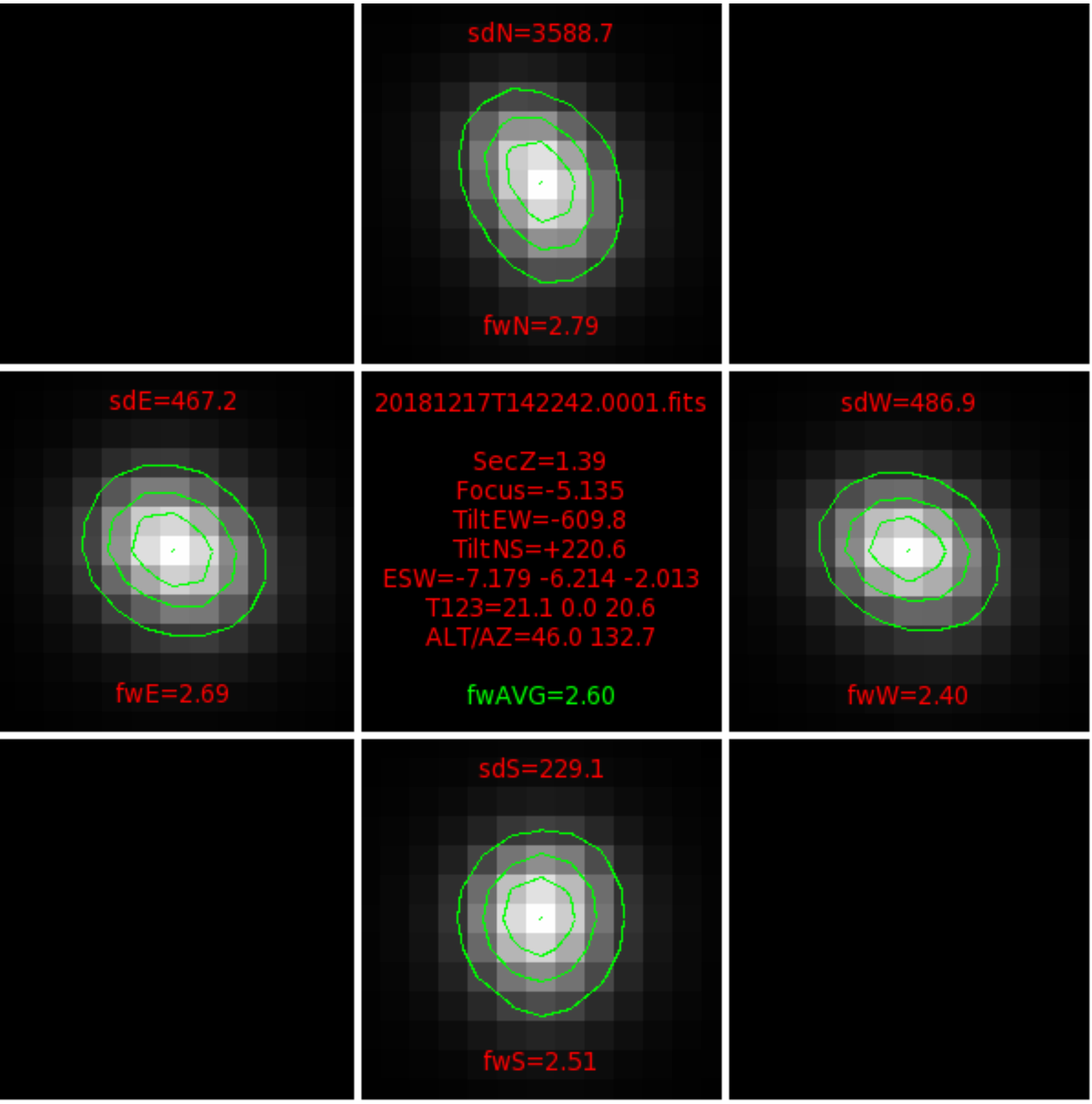
sdN=3588.7
fwN=2.79
sdE=467.2
fwE=2.69
20181217T142242.0001.fits
SecZ=1.39
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 0.0 20.6
ALT/AZ=46.0 132.7
fwAVG=2.60
sdW=486.9
fwW=2.40
sdS=229.1
fwS=2.51
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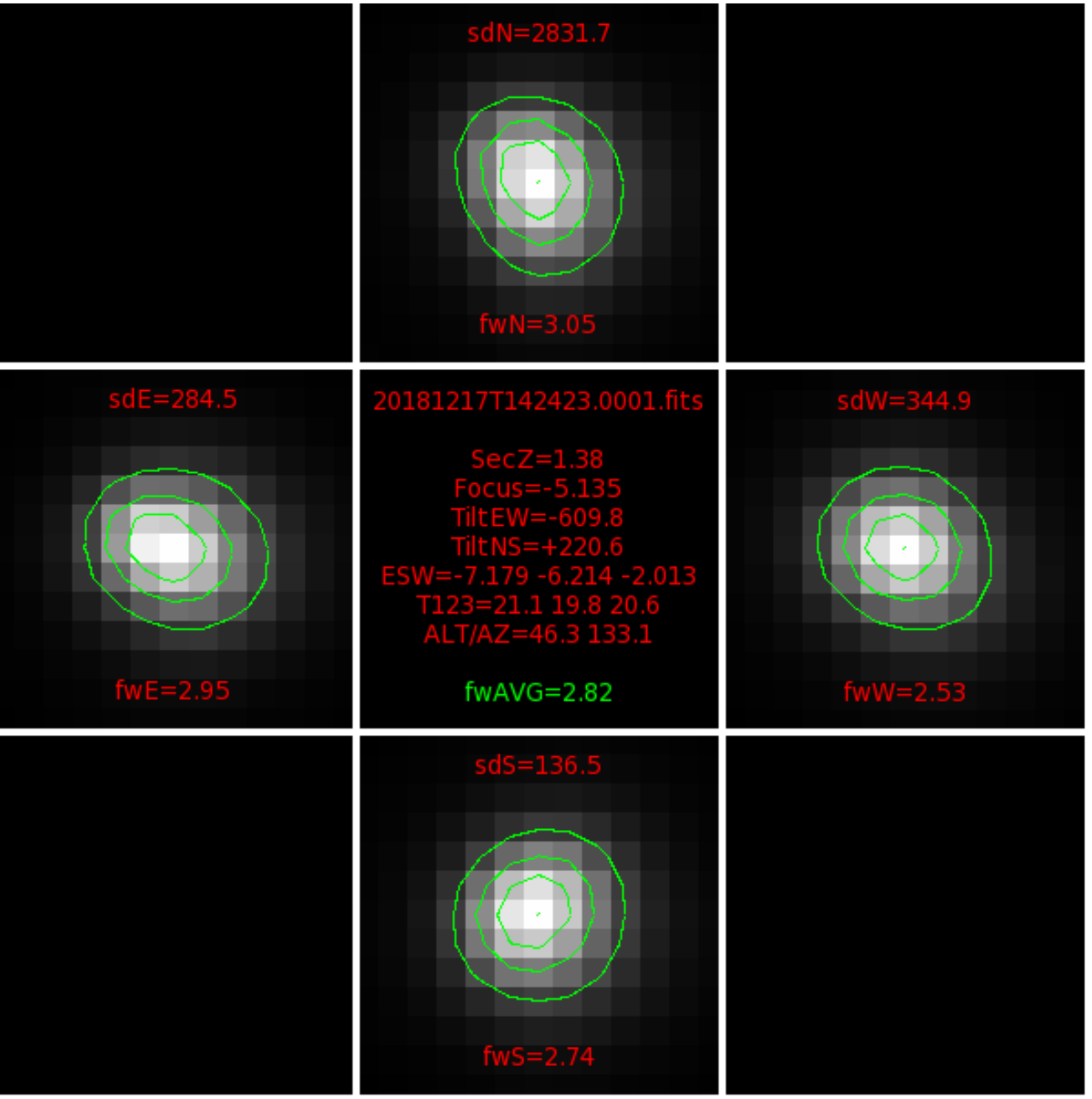
sdN=2831.7
fwN=3.05
sdE=284.5
fwE=2.95
20181217T142423.0001.fits
SecZ=1.38
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.8 20.6
ALT/AZ=46.3 133.1
fwAVG=2.82
sdW=344.9
fwW=2.53
sdS=136.5
fwS=2.74
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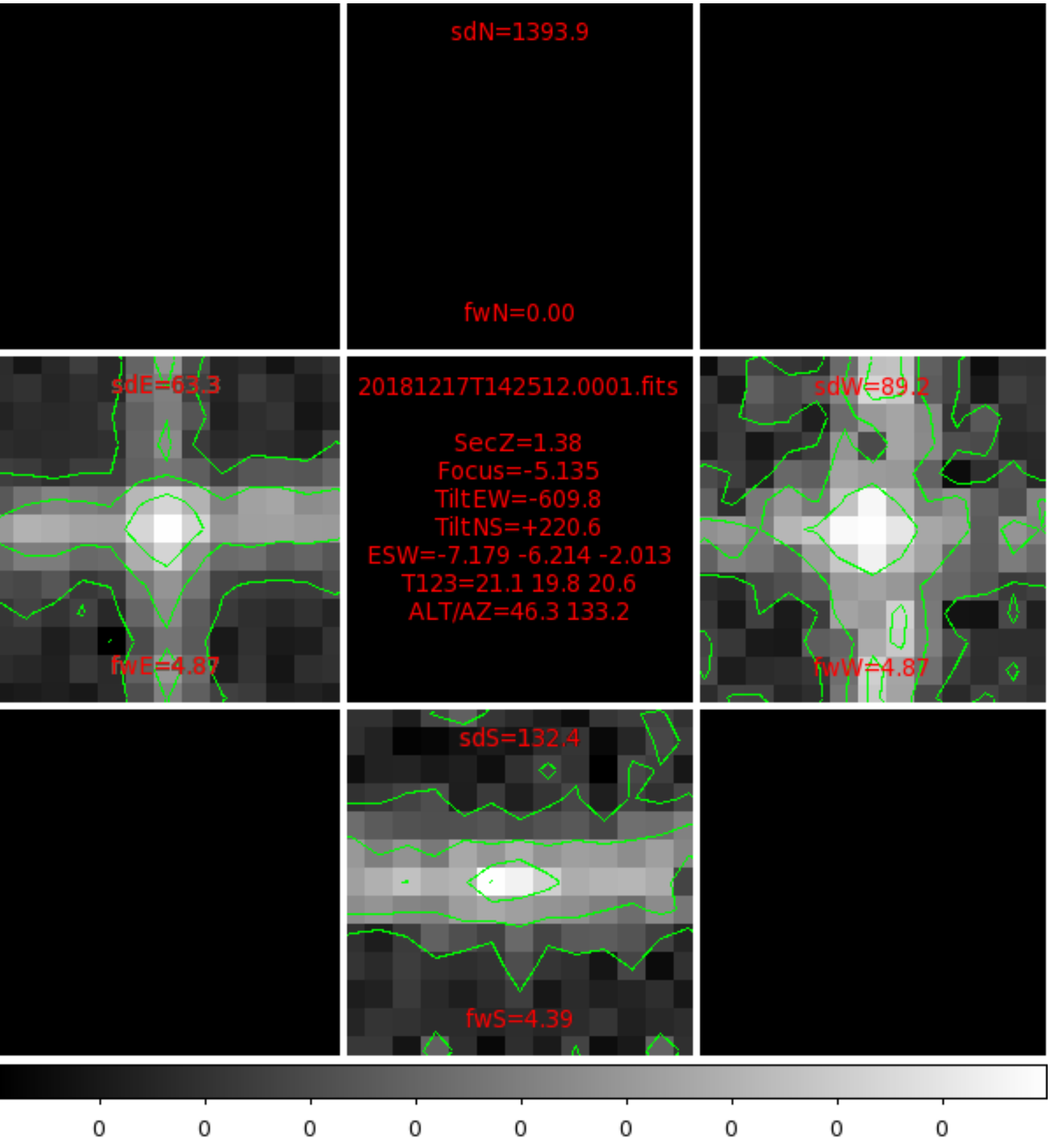
sdN=1393.9
fwN=0.00
sdE=63.3
fwE=4.87
20181217T142512.0001.fits
SecZ=1.38
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.8 20.6
ALT/AZ=46.3 133.2
sdW=89.2
fwW=4.87
sdS=132.4
fwS=4.39
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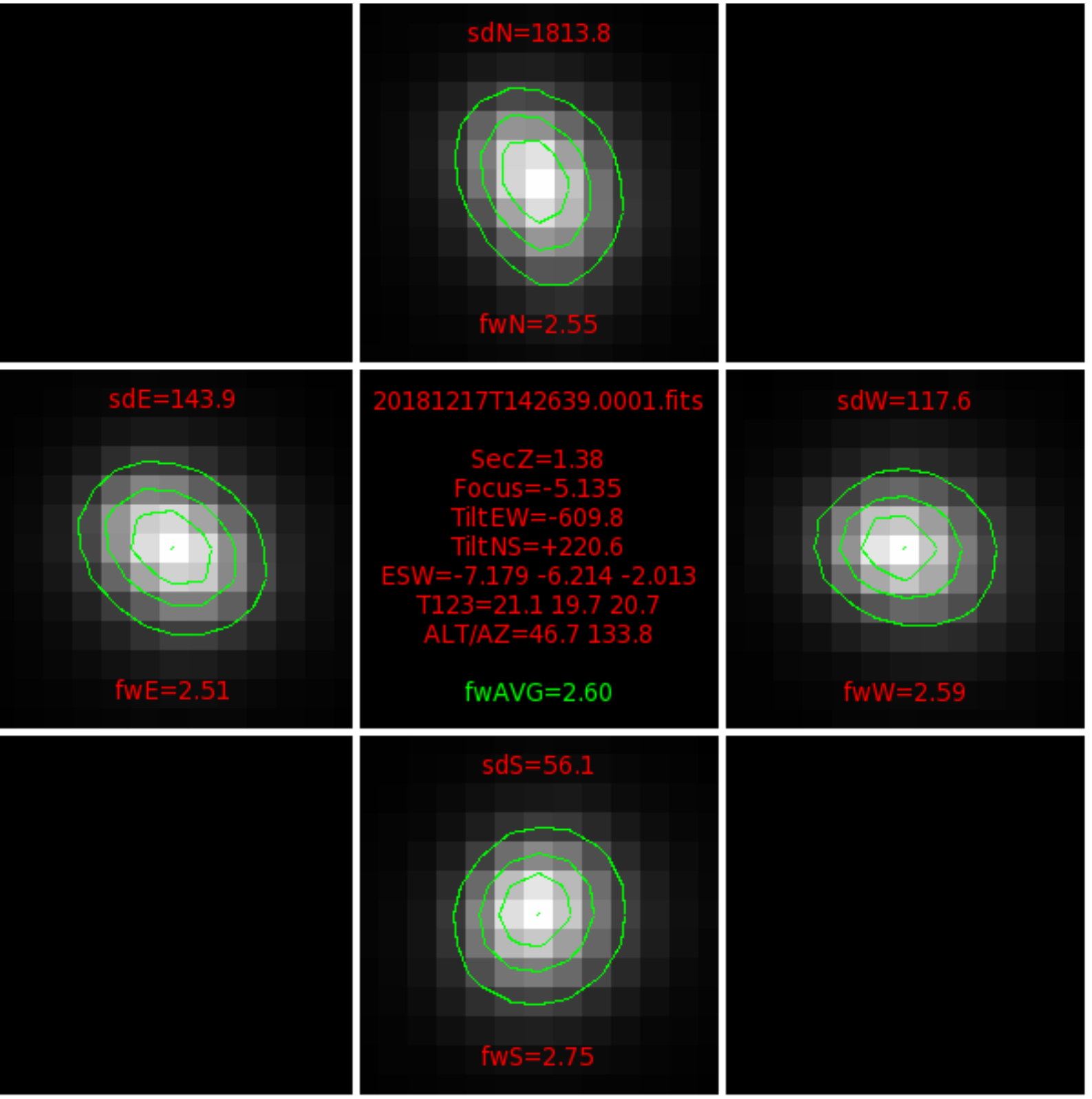
sdN=1813.8
fwN=2.55
sdE=143.9
fwE=2.51
20181217T142639.0001.fits
SecZ=1.38
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.7 20.7
ALT/AZ=46.7 133.8
fwAVG=2.60
sdW=117.6
fwW=2.59
sdS=56.1
fwS=2.75
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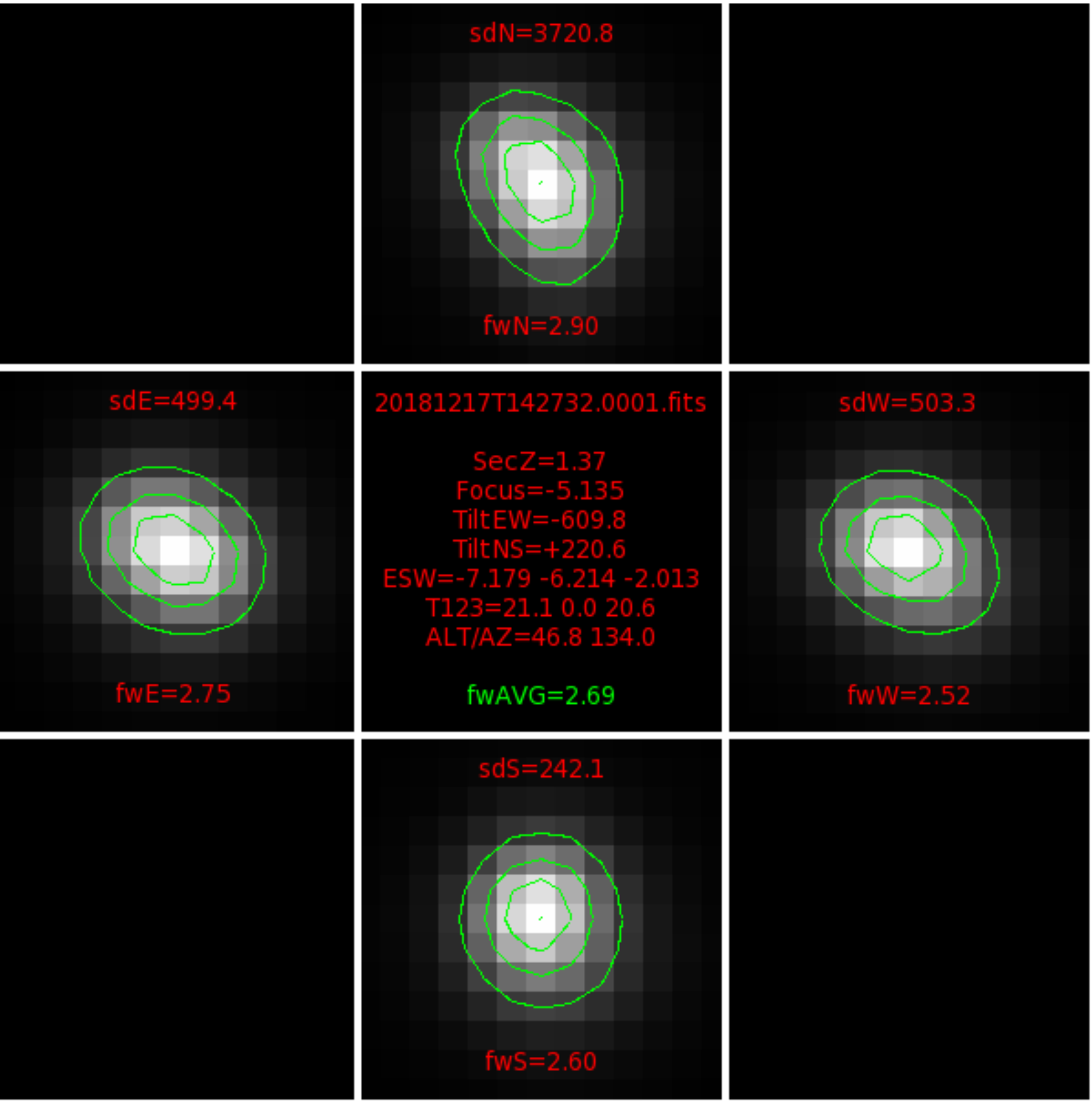
sdN=3720.8
fwN=2.90
sdE=499.4
fwE=2.75
20181217T142732.0001.fits
SecZ=1.37
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 0.0 20.6
ALT/AZ=46.8 134.0
fwAVG=2.69
sdW=503.3
fwW=2.52
sdS=242.1
fwS=2.60
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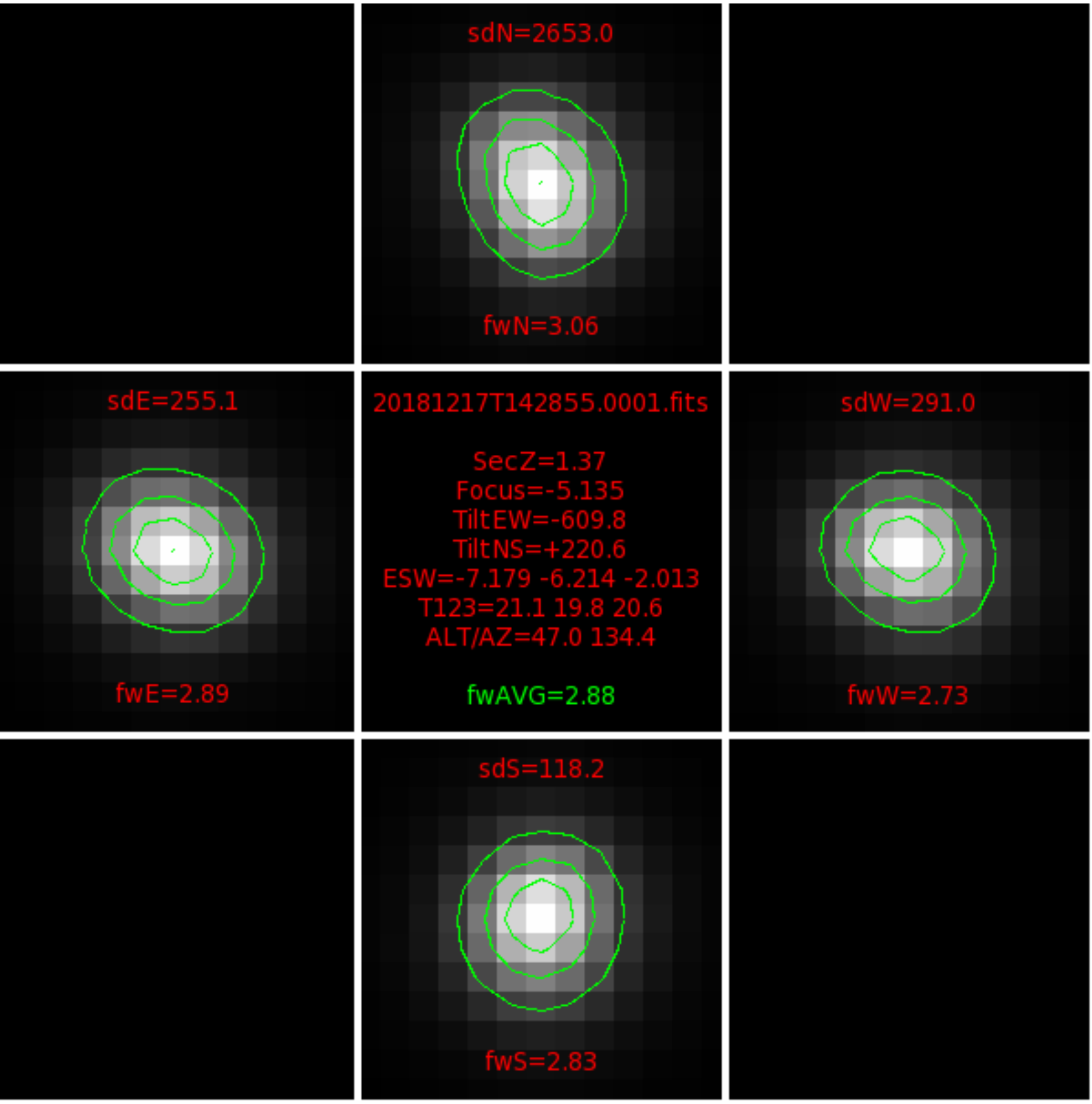
sdN=2653.0
fwN=3.06
sdE=255.1
fwE=2.89
20181217T142855.0001.fits
SecZ=1.37
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.8 20.6
ALT/AZ=47.0 134.4
fwAVG=2.88
sdW=291.0
fwW=2.73
sdS=118.2
fwS=2.83
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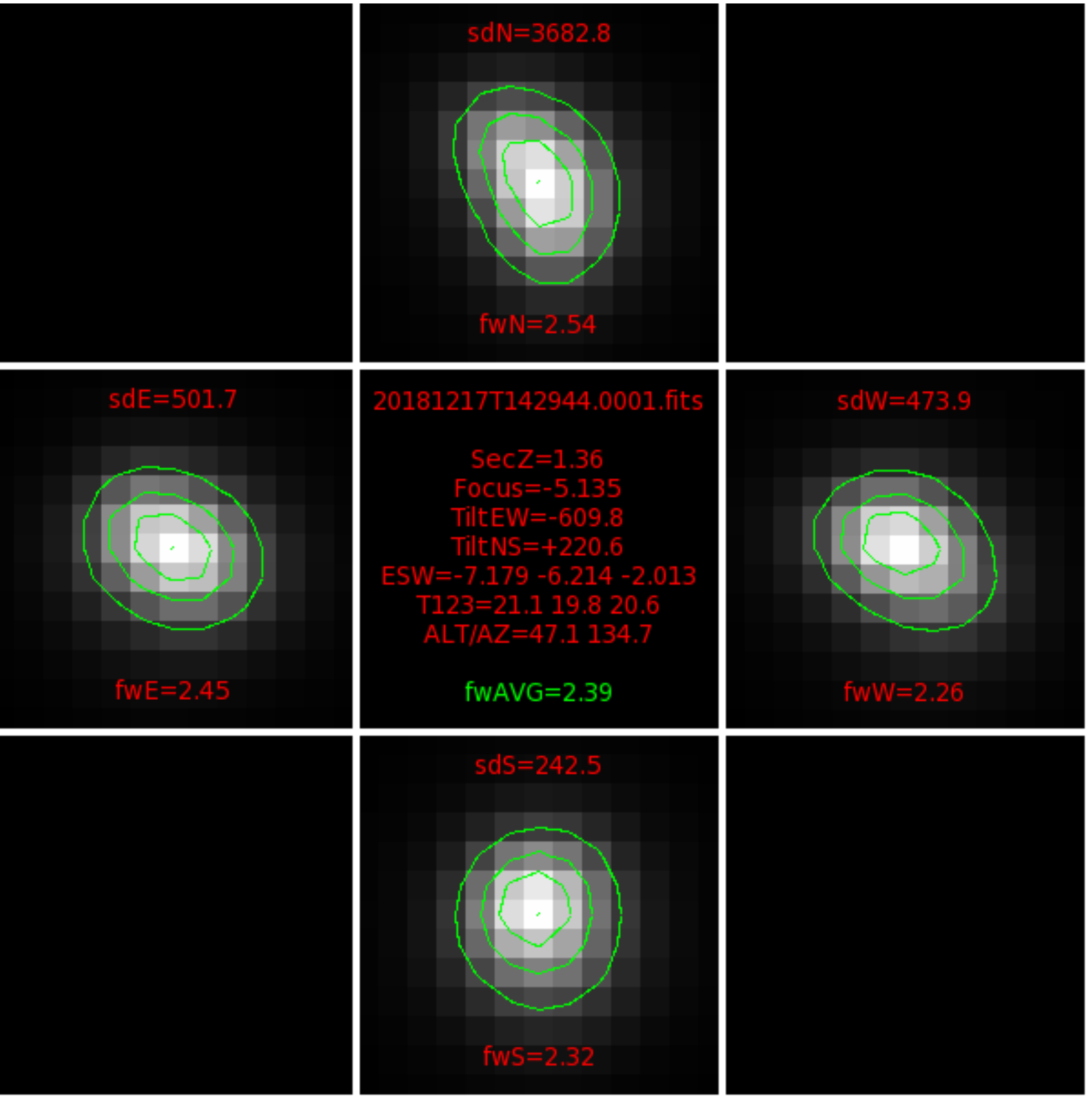
sdN=3682.8
fwN=2.54
sdE=501.7
fwE=2.45
20181217T142944.0001.fits
SecZ=1.36
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.8 20.6
ALT/AZ=47.1 134.7
fwAVG=2.39
sdW=473.9
fwW=2.26
sdS=242.5
fwS=2.32
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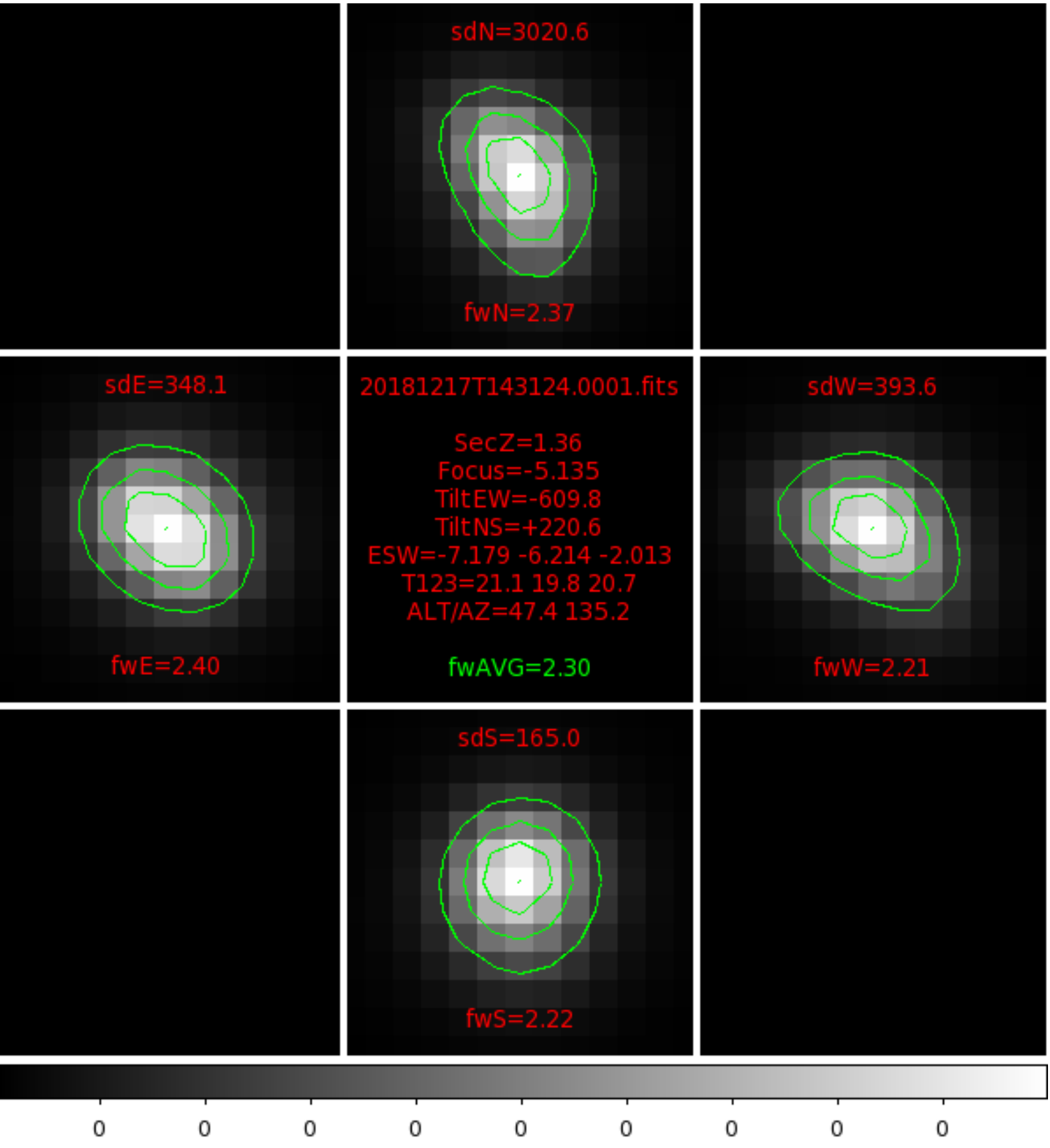
sdN=3020.6
fwN=2.37
sdE=348.1
fwE=2.40
20181217T143124.0001.fits
SecZ=1.36
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.8 20.7
ALT/AZ=47.4 135.2
fwAVG=2.30
sdW=393.6
fwW=2.21
sdS=165.0
fwS=2.22
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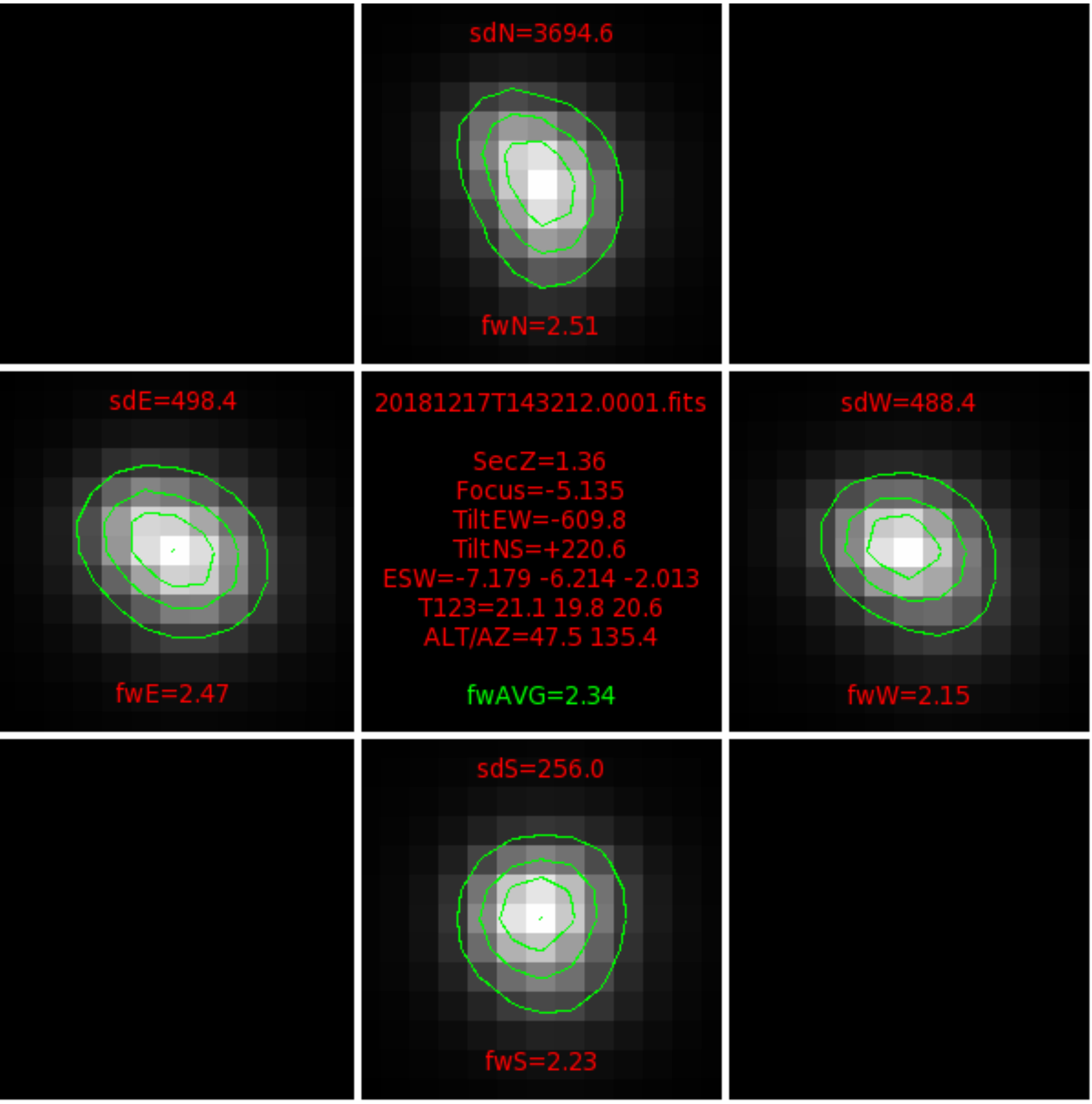
sdN=3694.6
fwN=2.51
sdE=498.4
fwE=2.47
20181217T143212.0001.fits
SecZ=1.36
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.8 20.6
ALT/AZ=47.5 135.4
fwAVG=2.34
sdW=488.4
fwW=2.15
sdS=256.0
fwS=2.23
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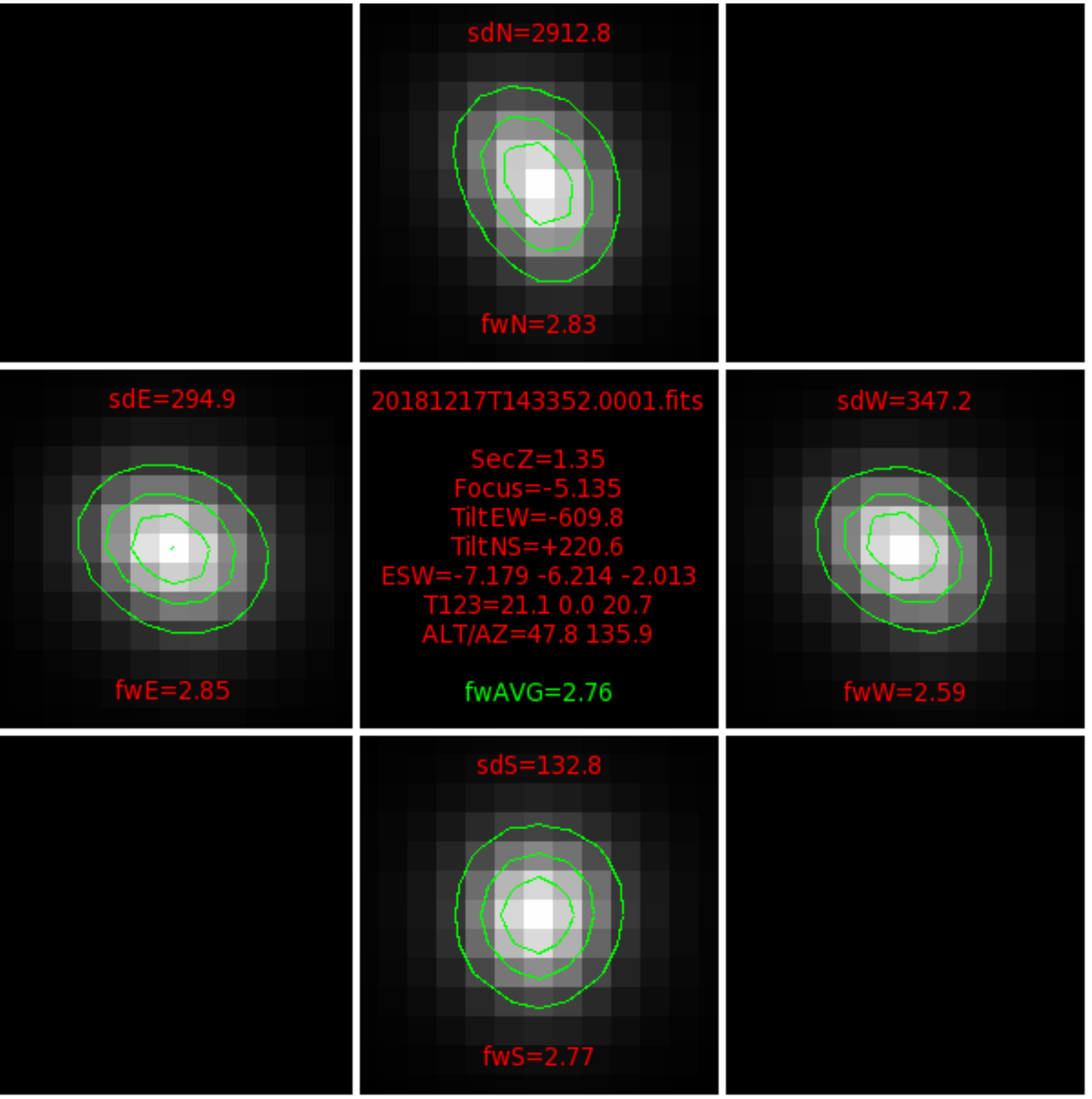
sdN=2912.8
fwN=2.83
sdE=294.9
fwE=2.85
20181217T143352.0001.fits
SecZ=1.35
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 0.0 20.7
ALT/AZ=47.8 135.9
fwAVG=2.76
sdW=347.2
fwW=2.59
sdS=132.8
fwS=2.77
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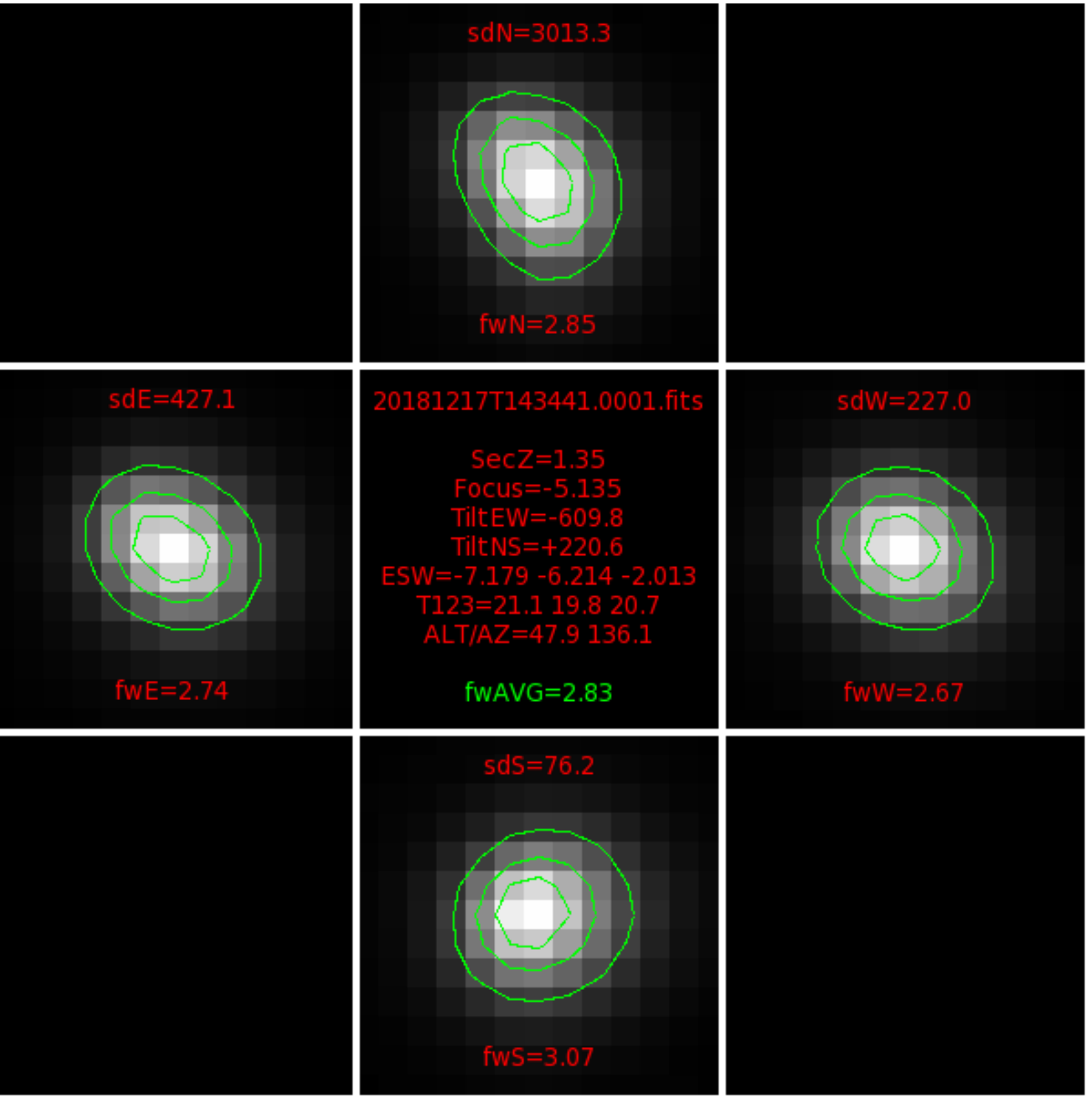
sdN=3013.3
fwN=2.85
sdE=427.1
fwE=2.74
20181217T143441.0001.fits
SecZ=1.35
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.8 20.7
ALT/AZ=47.9 136.1
fwAVG=2.83
sdW=227.0
fwW=2.67
sdS=76.2
fwS=3.07
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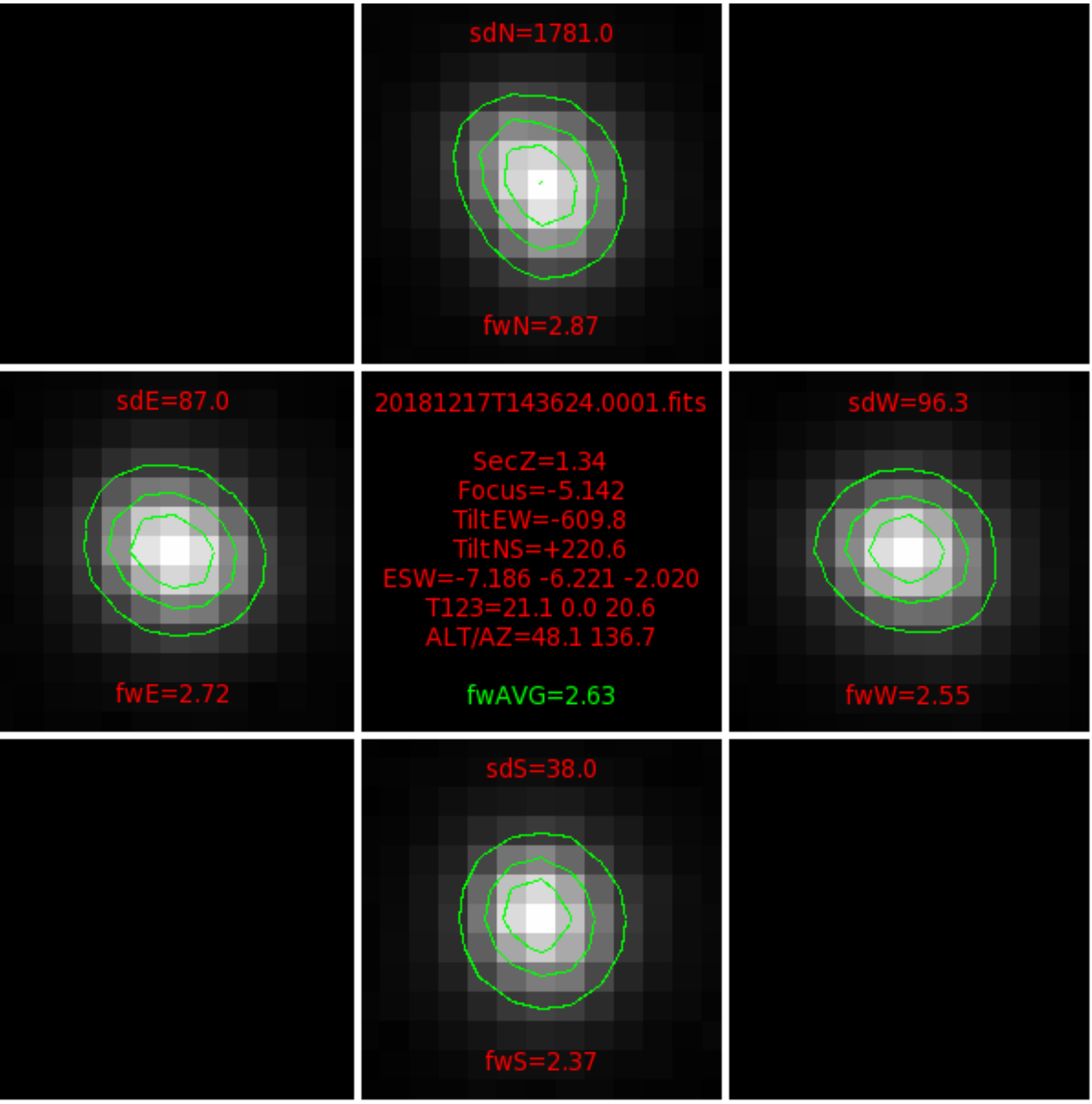
sdN=1781.0
fwN=2.87
sdE=87.0
fwE=2.72
20181217T143624.0001.fits
SecZ=1.34
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 0.0 20.6
ALT/AZ=48.1 136.7
fwAVG=2.63
sdW=96.3
fwW=2.55
sdS=38.0
fwS=2.37
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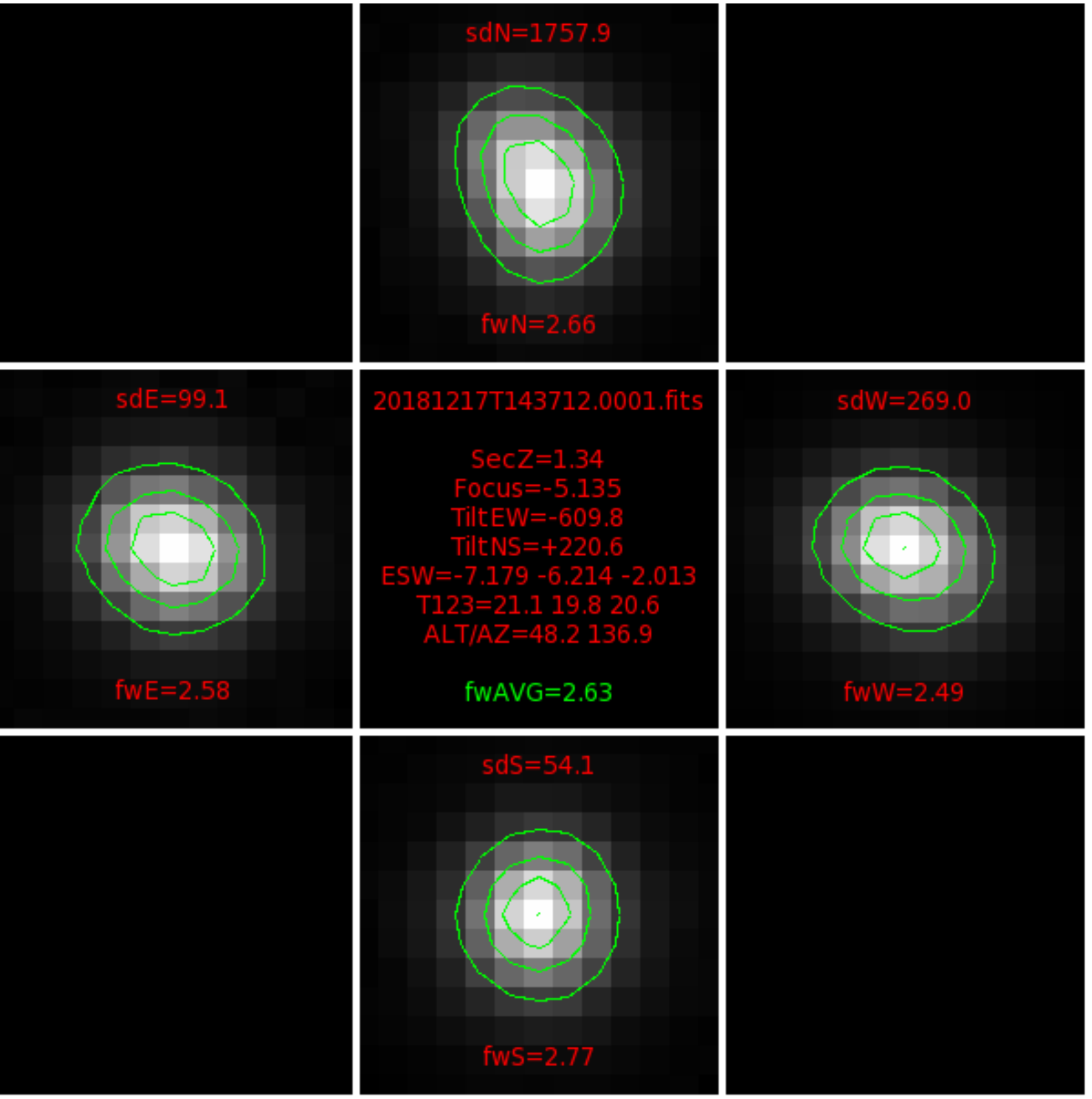
sdN=1757.9
fwN=2.66
sdE=99.1
fwE=2.58
20181217T143712.0001.fits
SecZ=1.34
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.8 20.6
ALT/AZ=48.2 136.9
fwAVG=2.63
sdW=269.0
fwW=2.49
sdS=54.1
fwS=2.77
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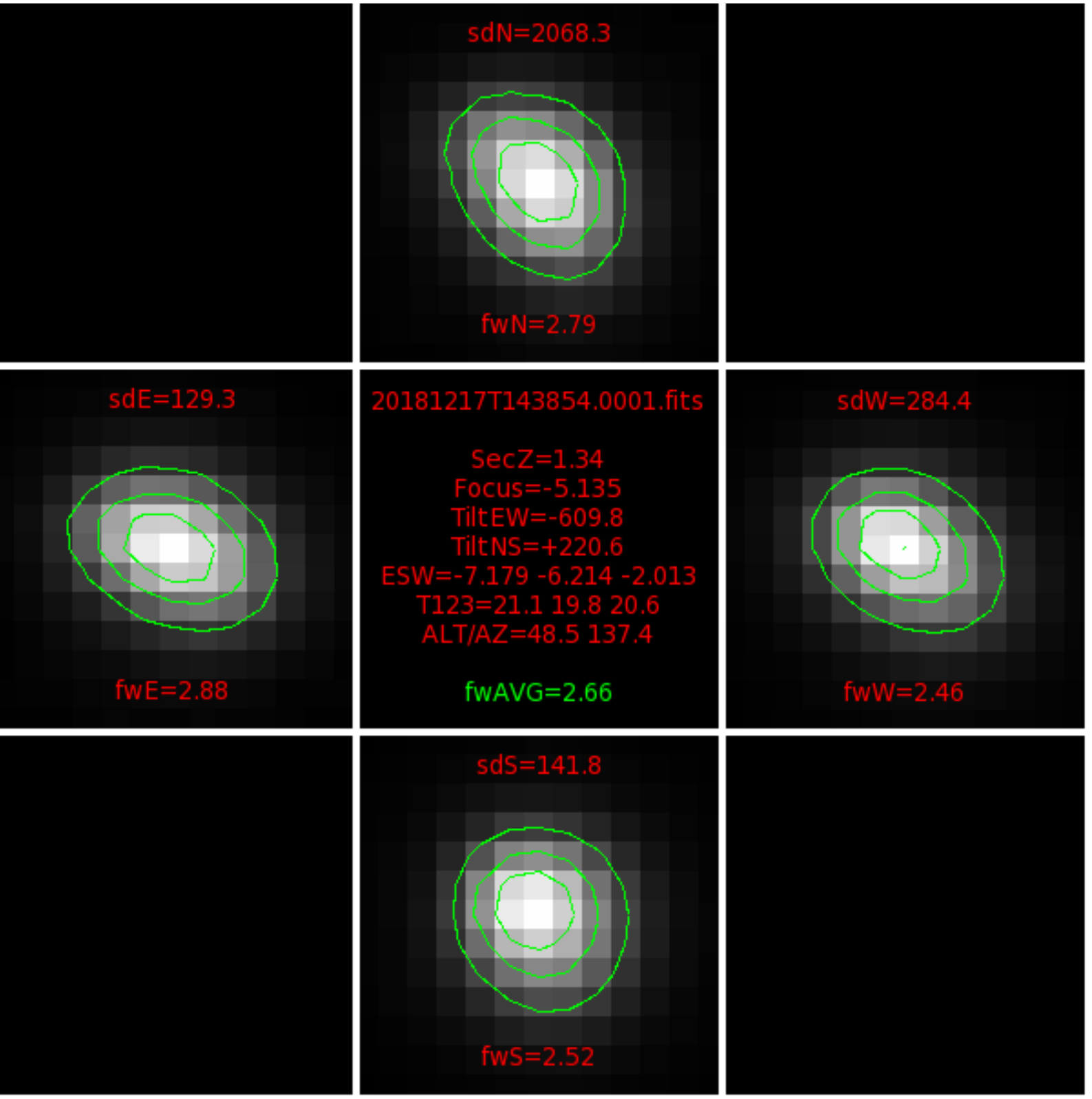
sdN=2068.3
fwN=2.79
sdE=129.3
fwE=2.88
20181217T143854.0001.fits
SecZ=1.34
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.8 20.6
ALT/AZ=48.5 137.4
fwAVG=2.66
sdW=284.4
fwW=2.46
sdS=141.8
fwS=2.52
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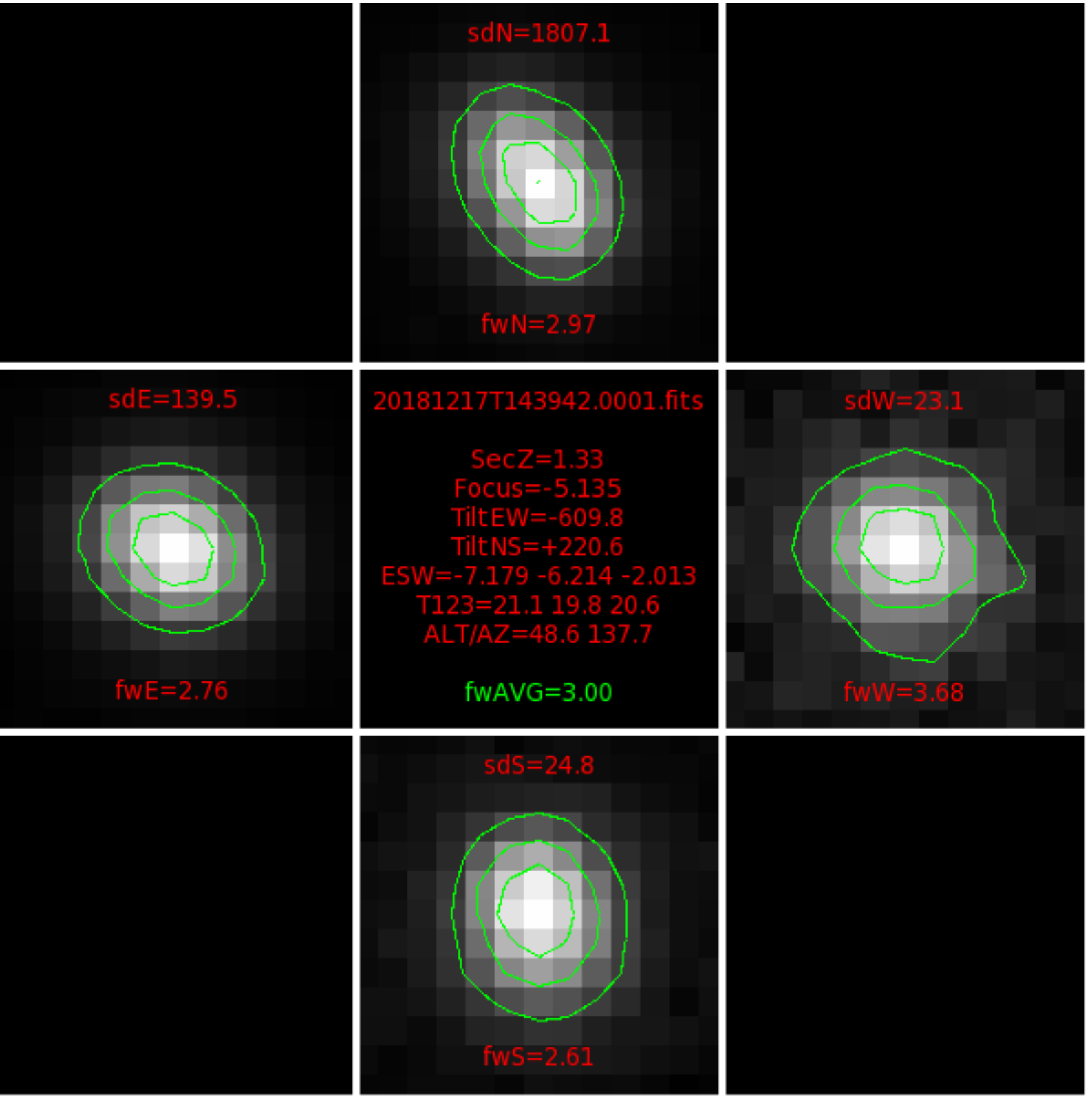
sdN=1807.1
fwN=2.97
sdE=139.5
fwE=2.76
20181217T143942.0001.fits
SecZ=1.33
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.8 20.6
ALT/AZ=48.6 137.7
fwAVG=3.00
sdW=23.1
fwW=3.68
sdS=24.8
fwS=2.61
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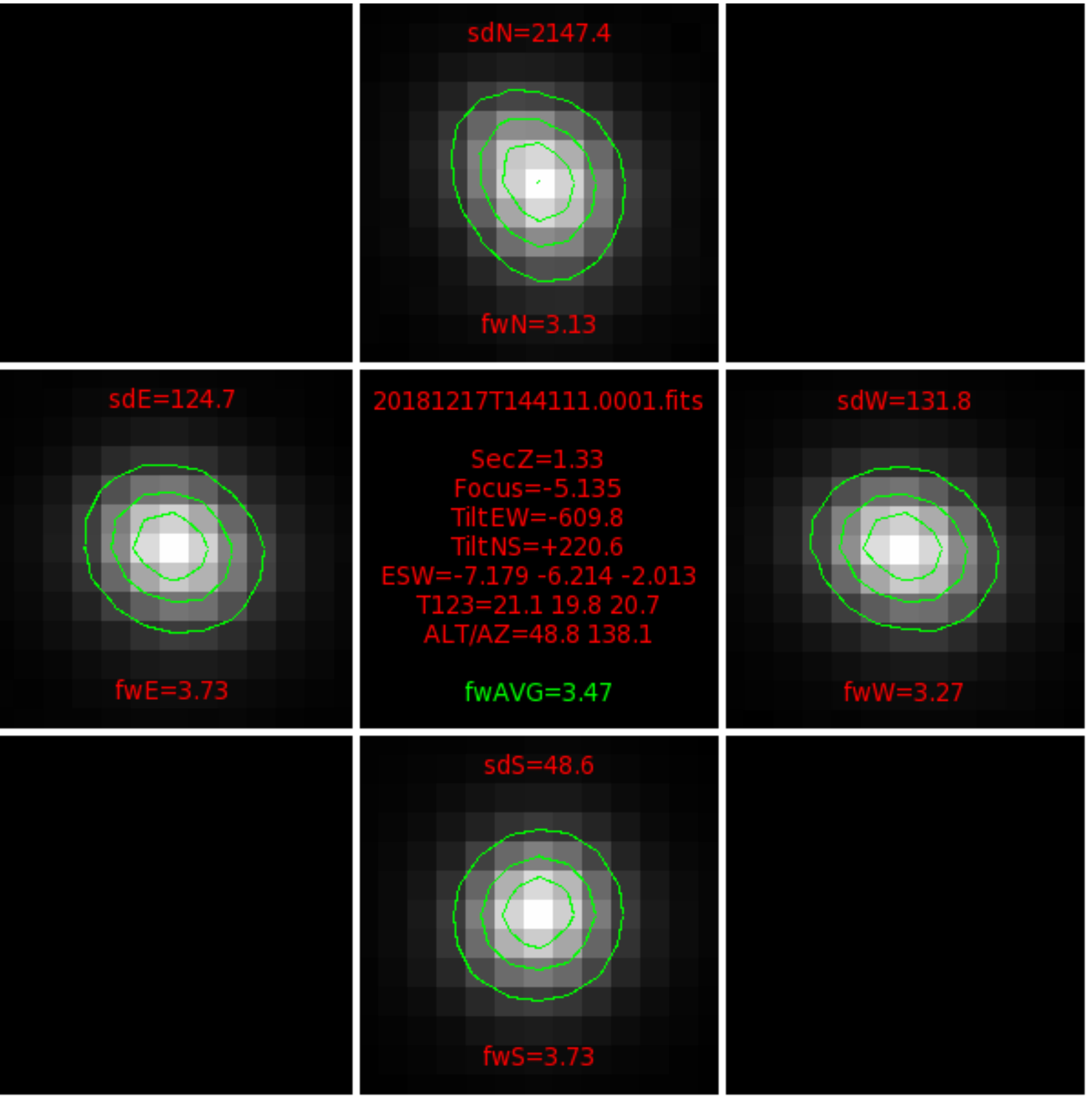
sdN=2147.4
fwN=3.13
sdE=124.7
fwE=3.73
20181217T144111.0001.fits
SecZ=1.33
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.8 20.7
ALT/AZ=48.8 138.1
fwAVG=3.47
sdW=131.8
fwW=3.27
sdS=48.6
fwS=3.73
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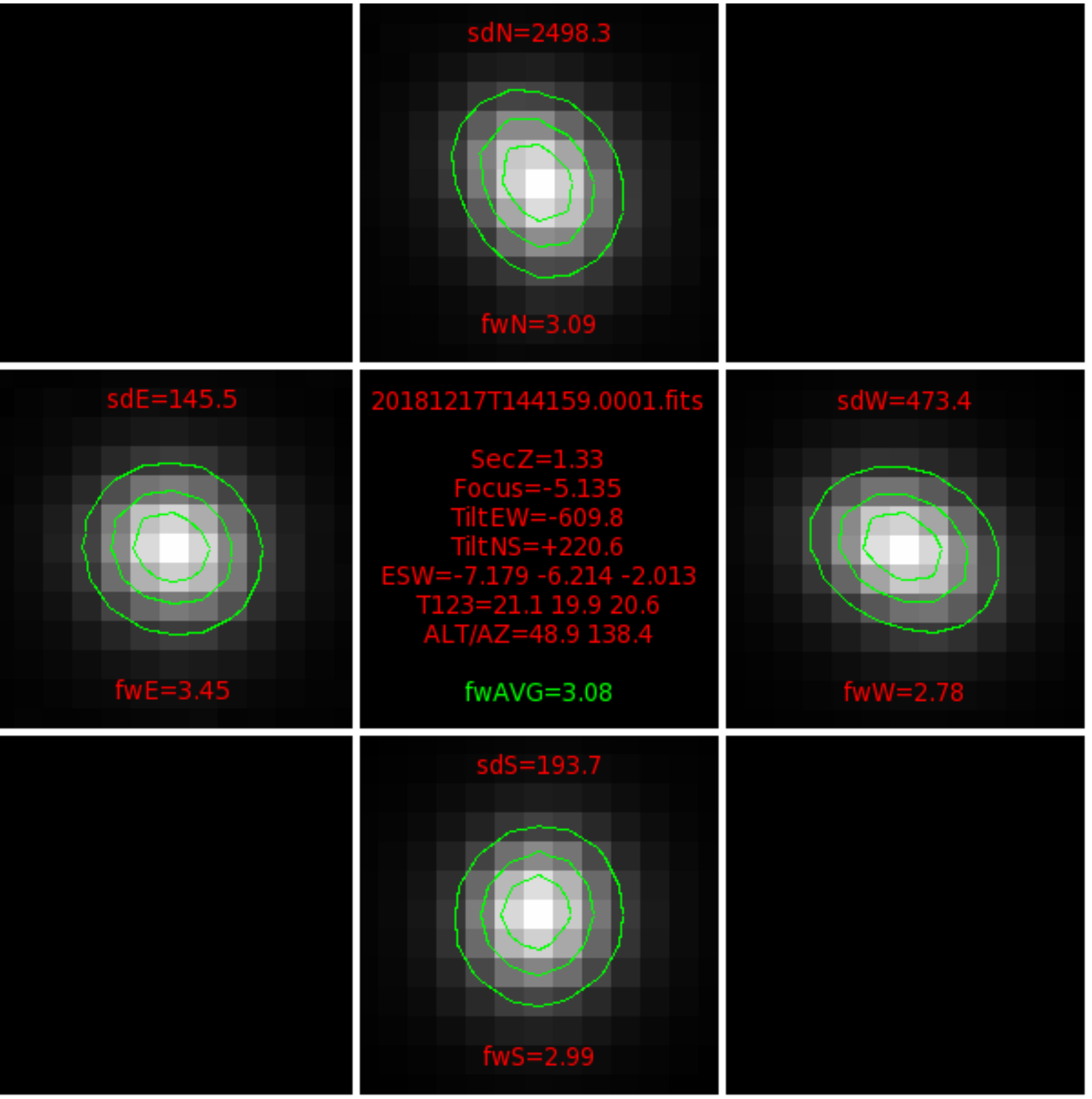
sdN=2498.3
fwN=3.09
sdE=145.5
fwE=3.45
20181217T144159.0001.fits
SecZ=1.33
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.9 20.6
ALT/AZ=48.9 138.4
fwAVG=3.08
sdW=473.4
fwW=2.78
sdS=193.7
fwS=2.99
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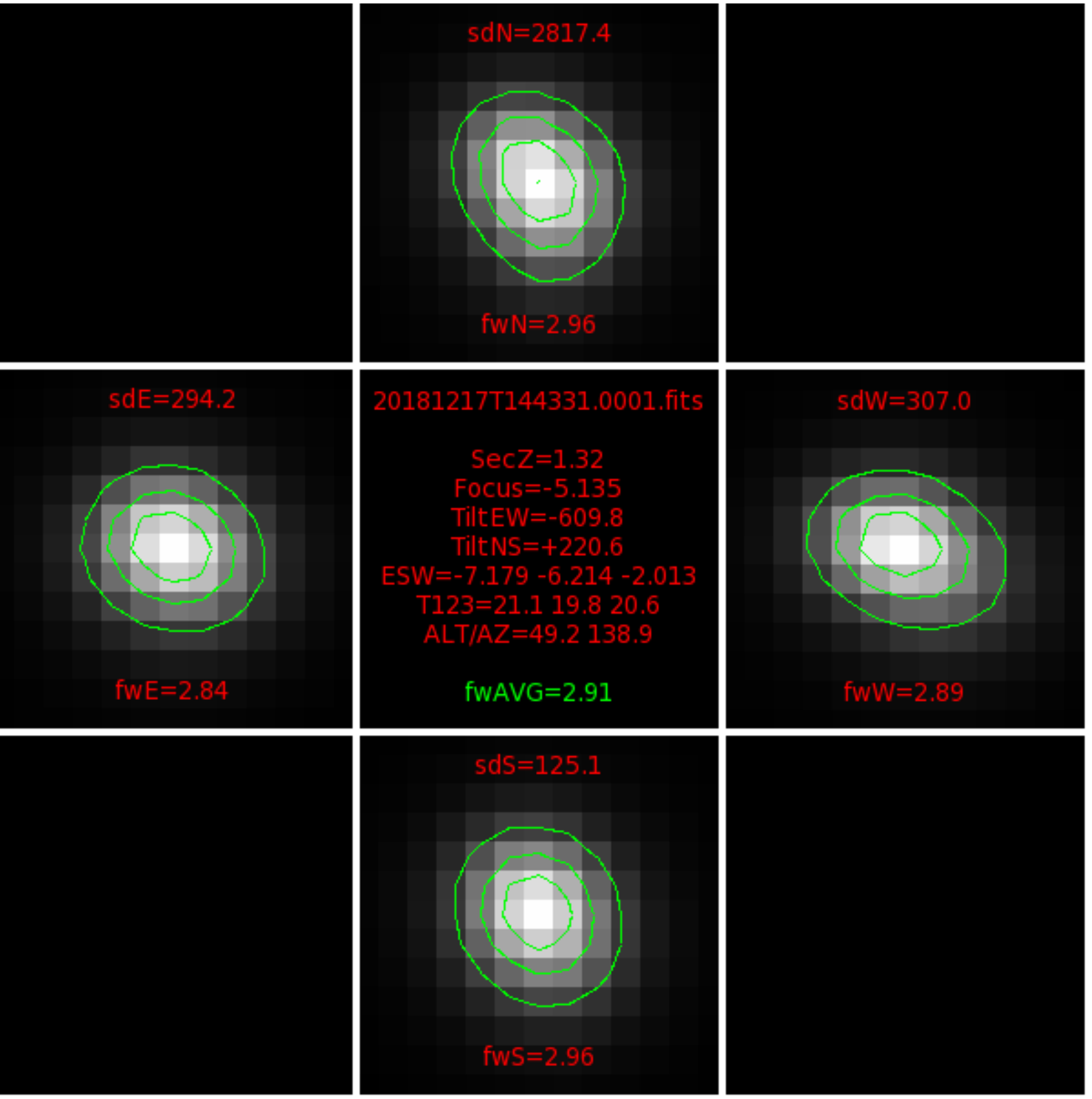
sdN=2817.4
fwN=2.96
sdE=294.2
fwE=2.84
20181217T144331.0001.fits
SecZ=1.32
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.8 20.6
ALT/AZ=49.2 138.9
fwAVG=2.91
sdW=307.0
fwW=2.89
sdS=125.1
fwS=2.96
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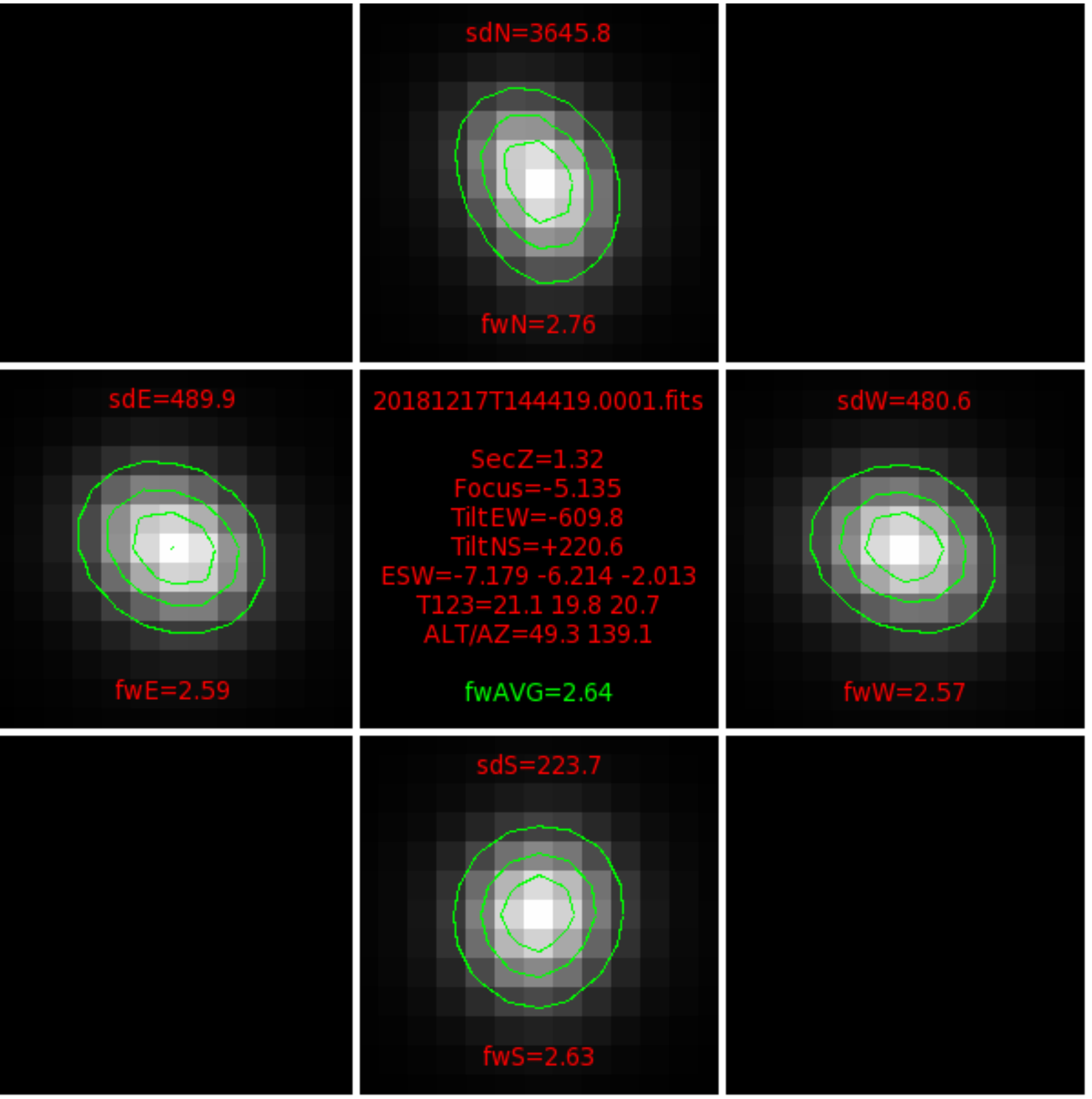
sdN=3645.8
fwN=2.76
sdE=489.9
fwE=2.59
20181217T144419.0001.fits
SecZ=1.32
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.8 20.7
ALT/AZ=49.3 139.1
fwAVG=2.64
sdW=480.6
fwW=2.57
sdS=223.7
fwS=2.63
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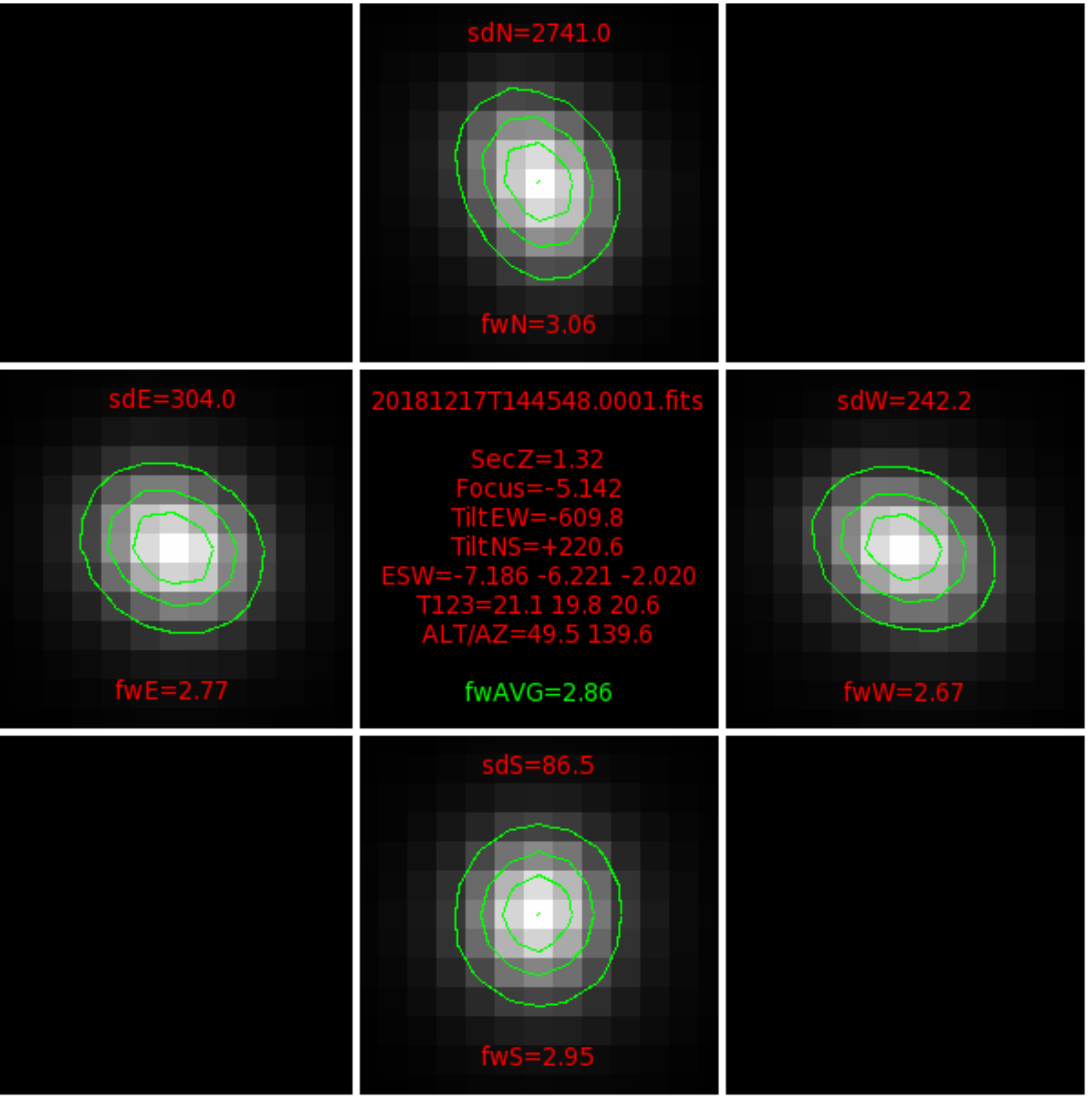
sdN=2741.0
fwN=3.06
sdE=304.0
fwE=2.77
20181217T144548.0001.fits
SecZ=1.32
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 19.8 20.6
ALT/AZ=49.5 139.6
fwAVG=2.86
sdW=242.2
fwW=2.67
sdS=86.5
fwS=2.95
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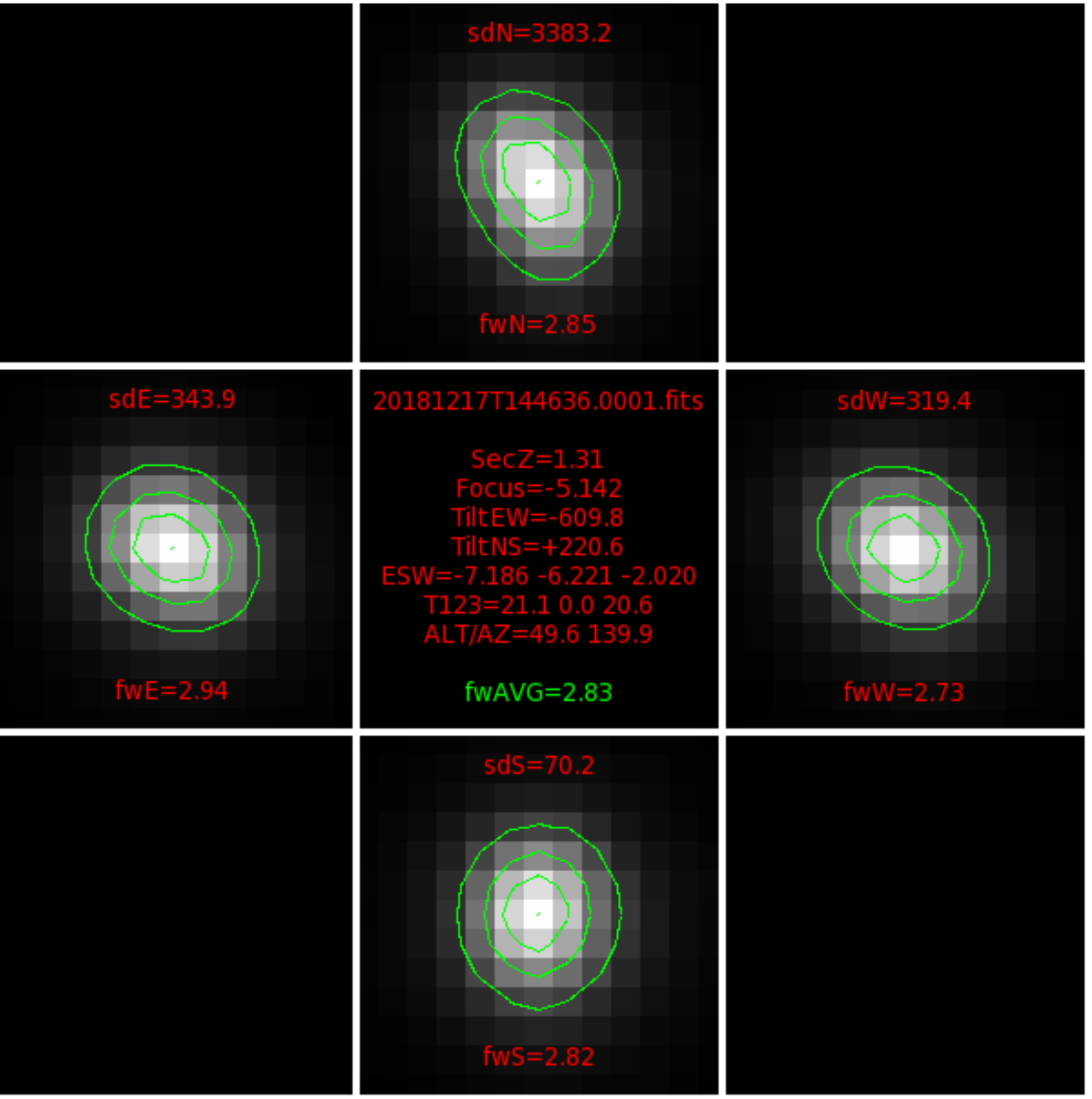
sdN=3383.2
fwN=2.85
sdE=343.9
fwE=2.94
20181217T144636.0001.fits
SecZ=1.31
Focus=-5.142
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.186 -6.221 -2.020
T123=21.1 0.0 20.6
ALT/AZ=49.6 139.9
fwAVG=2.83
sdW=319.4
fwW=2.73
sdS=70.2
fwS=2.82
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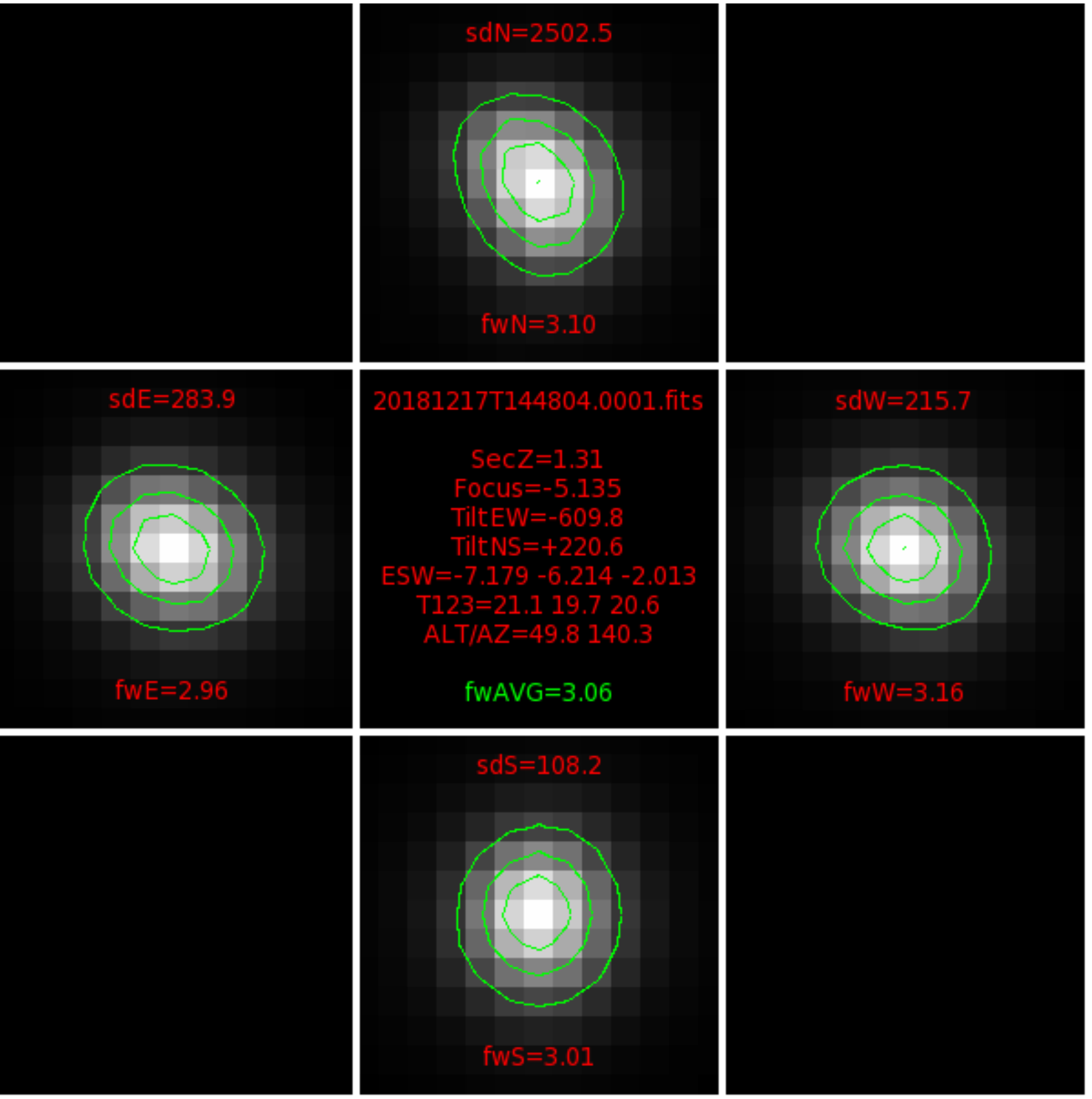
sdN=2502.5
fwN=3.10
sdE=283.9
fwE=2.96
20181217T144804.0001.fits
SecZ=1.31
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.7 20.6
ALT/AZ=49.8 140.3
fwAVG=3.06
sdW=215.7
fwW=3.16
sdS=108.2
fwS=3.01
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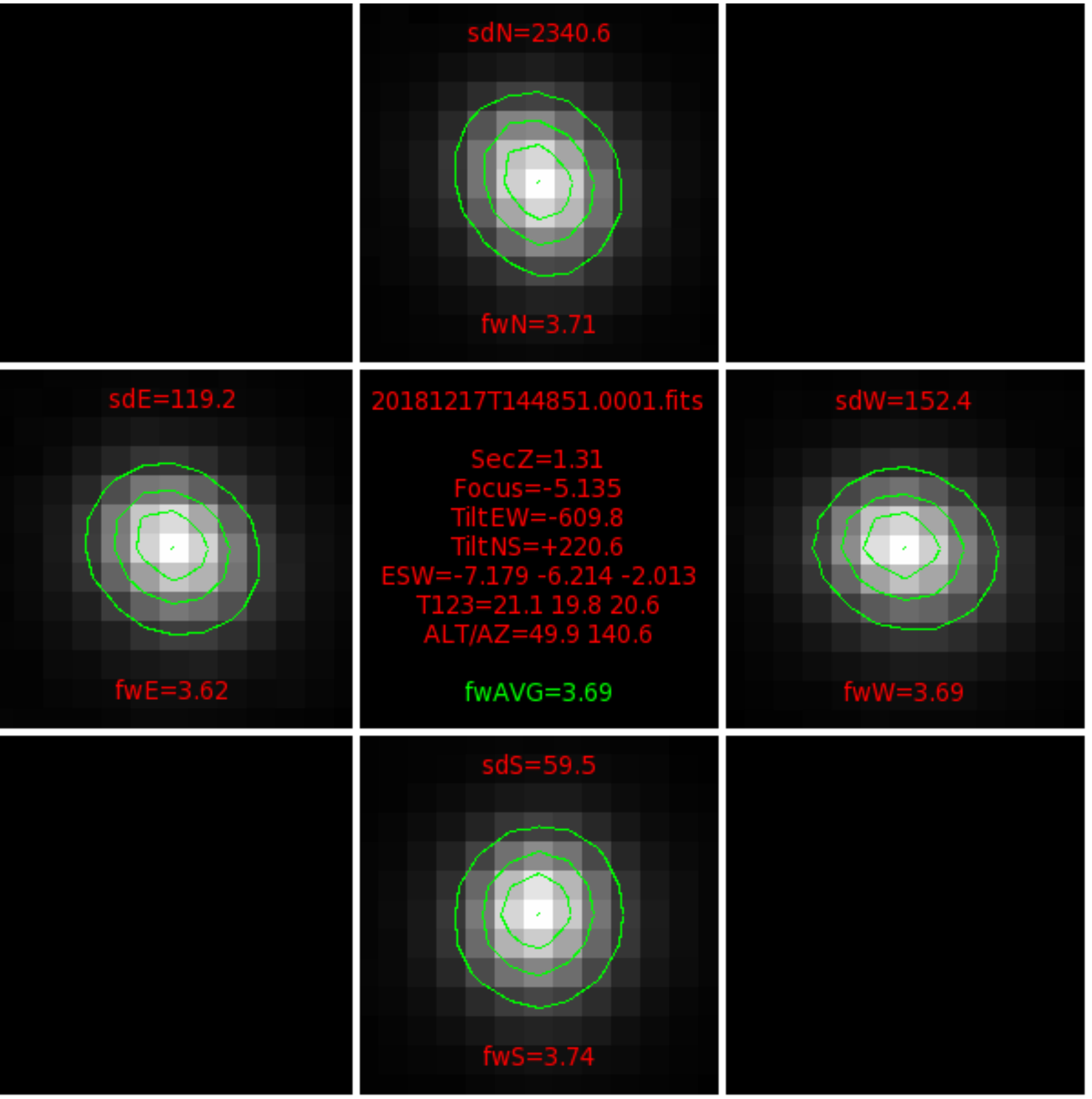
sdN=2340.6
fwN=3.71
sdE=119.2
fwE=3.62
20181217T144851.0001.fits
SecZ=1.31
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.8 20.6
ALT/AZ=49.9 140.6
fwAVG=3.69
sdW=152.4
fwW=3.69
sdS=59.5
fwS=3.74
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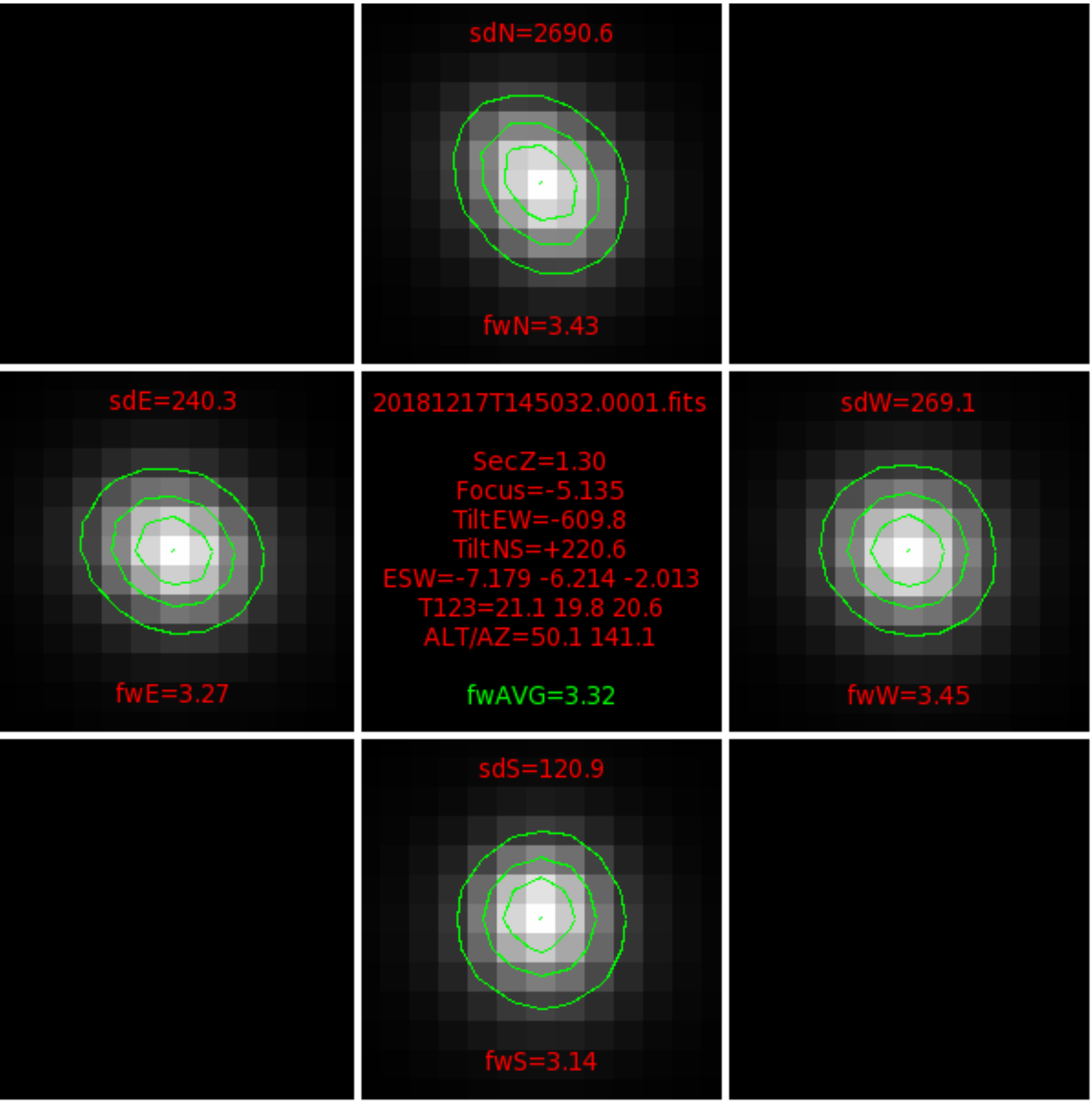
sdN=2690.6
fwN=3.43
sdE=240.3
fwE=3.27
20181217T145032.0001.fits
SecZ=1.30
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.8 20.6
ALT/AZ=50.1 141.1
fwAVG=3.32
sdW=269.1
fwW=3.45
sdS=120.9
fwS=3.14
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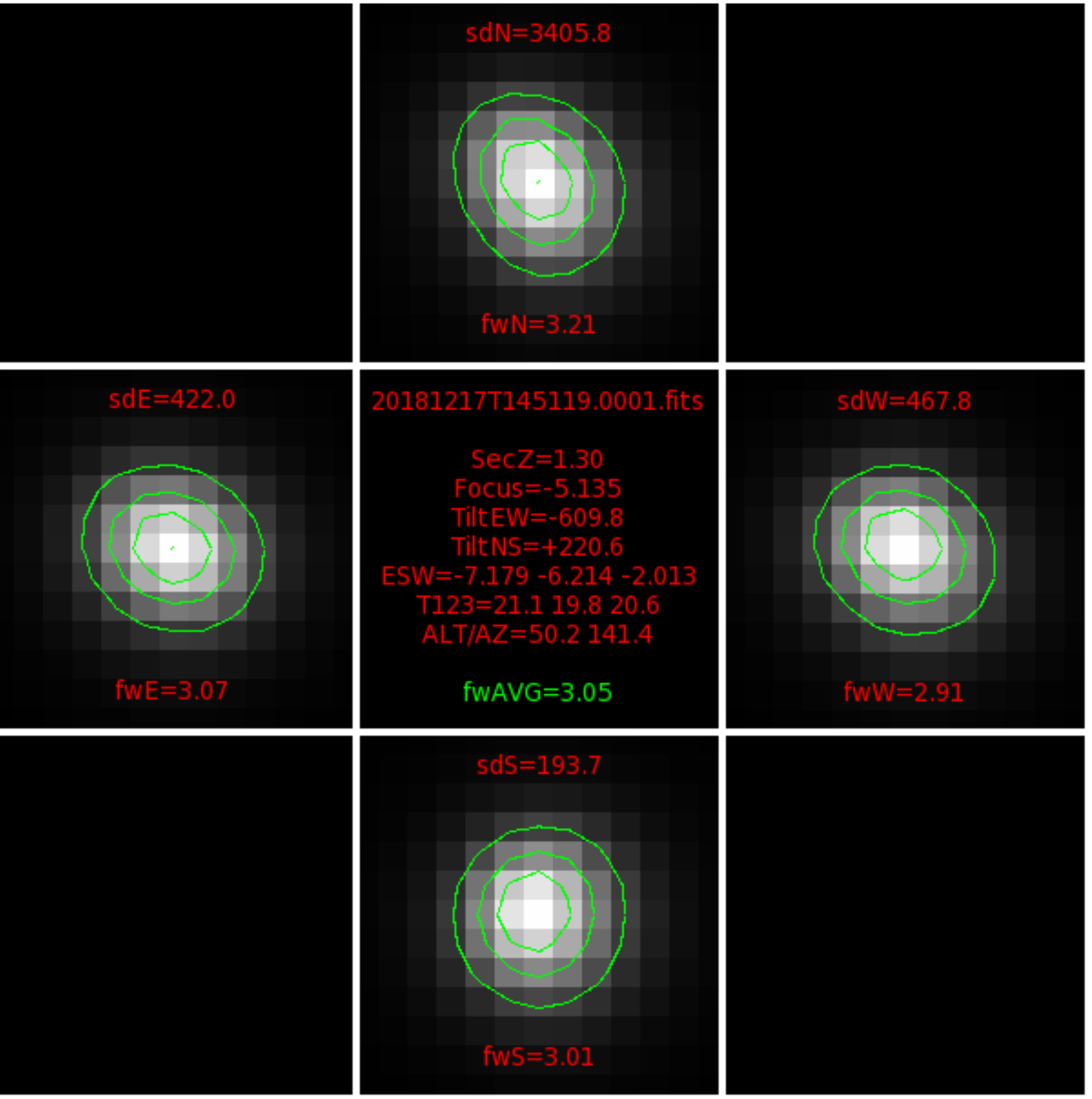
sdN=3405.8
fwN=3.21
sdE=422.0
fwE=3.07
20181217T145119.0001.fits
SecZ=1.30
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.8 20.6
ALT/AZ=50.2 141.4
fwAVG=3.05
sdW=467.8
fwW=2.91
sdS=193.7
fwS=3.01
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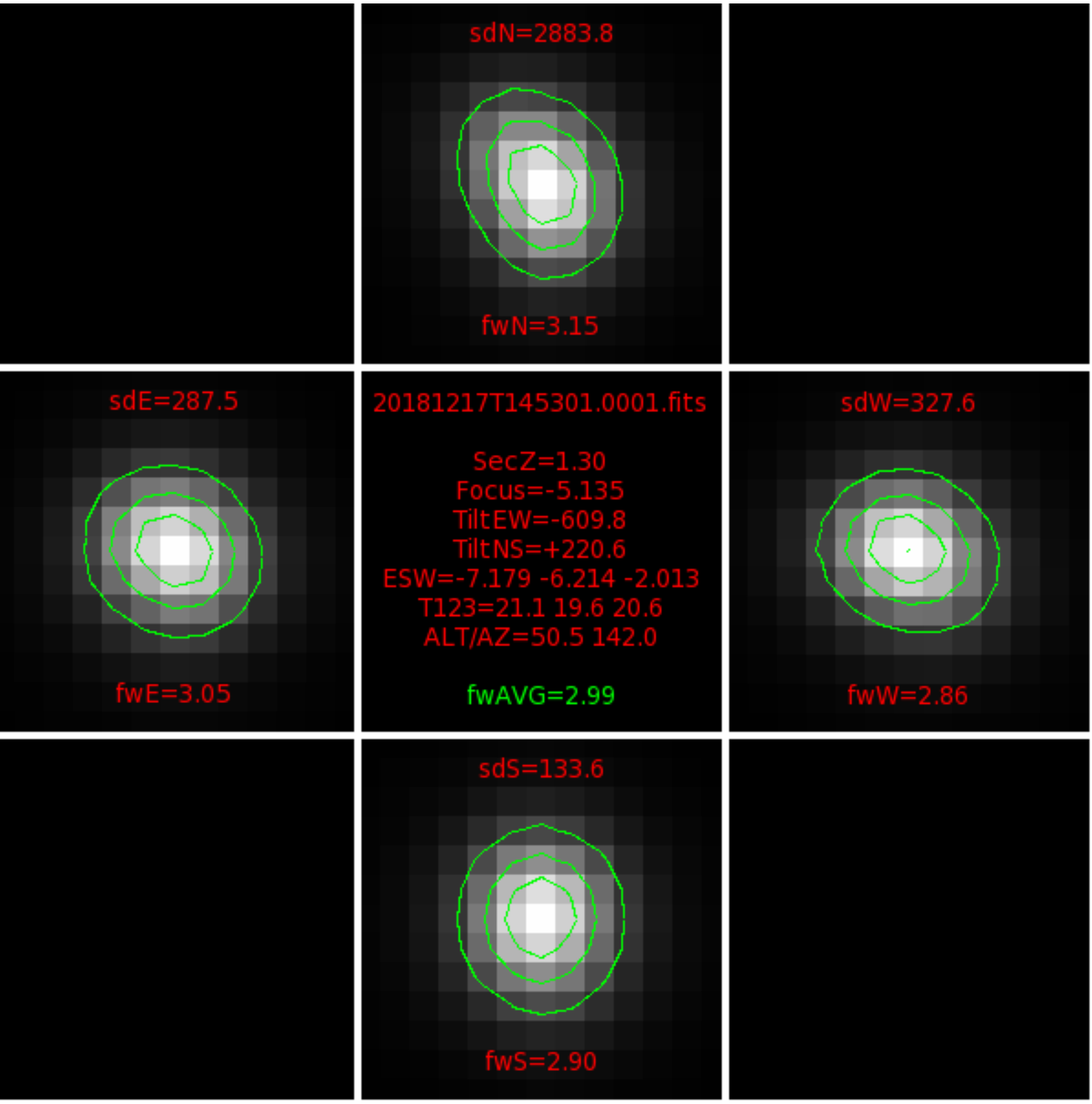
sdN=2883.8
fwN=3.15
sdE=287.5
fwE=3.05
20181217T145301.0001.fits
SecZ=1.30
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.6 20.6
ALT/AZ=50.5 142.0
fwAVG=2.99
sdW=327.6
fwW=2.86
sdS=133.6
fwS=2.90
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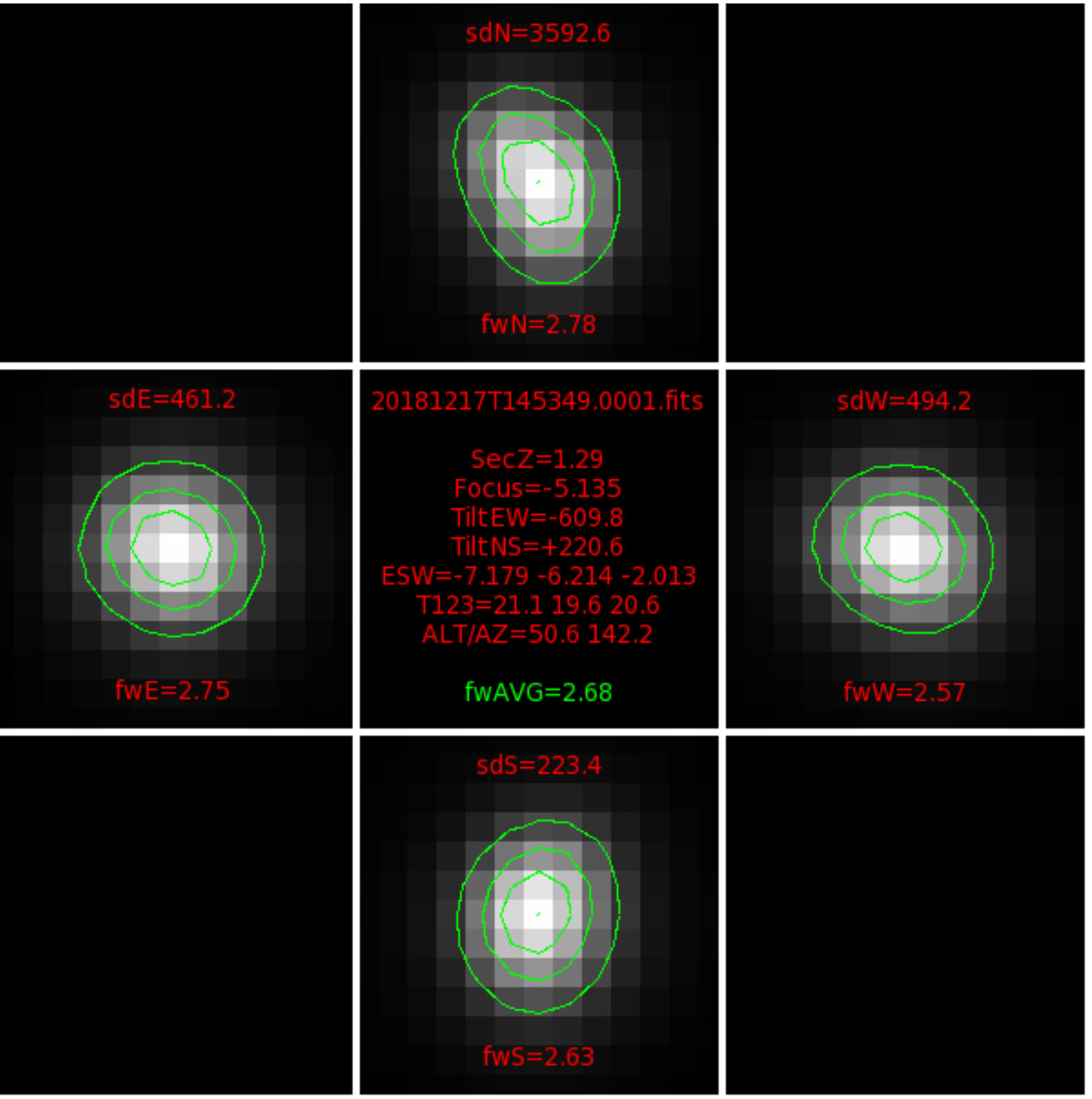
sdN=3592.6
fwN=2.78
sdE=461.2
fwE=2.75
20181217T145349.0001.fits
SecZ=1.29
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.6 20.6
ALT/AZ=50.6 142.2
fwAVG=2.68
sdW=494.2
fwW=2.57
sdS=223.4
fwS=2.63
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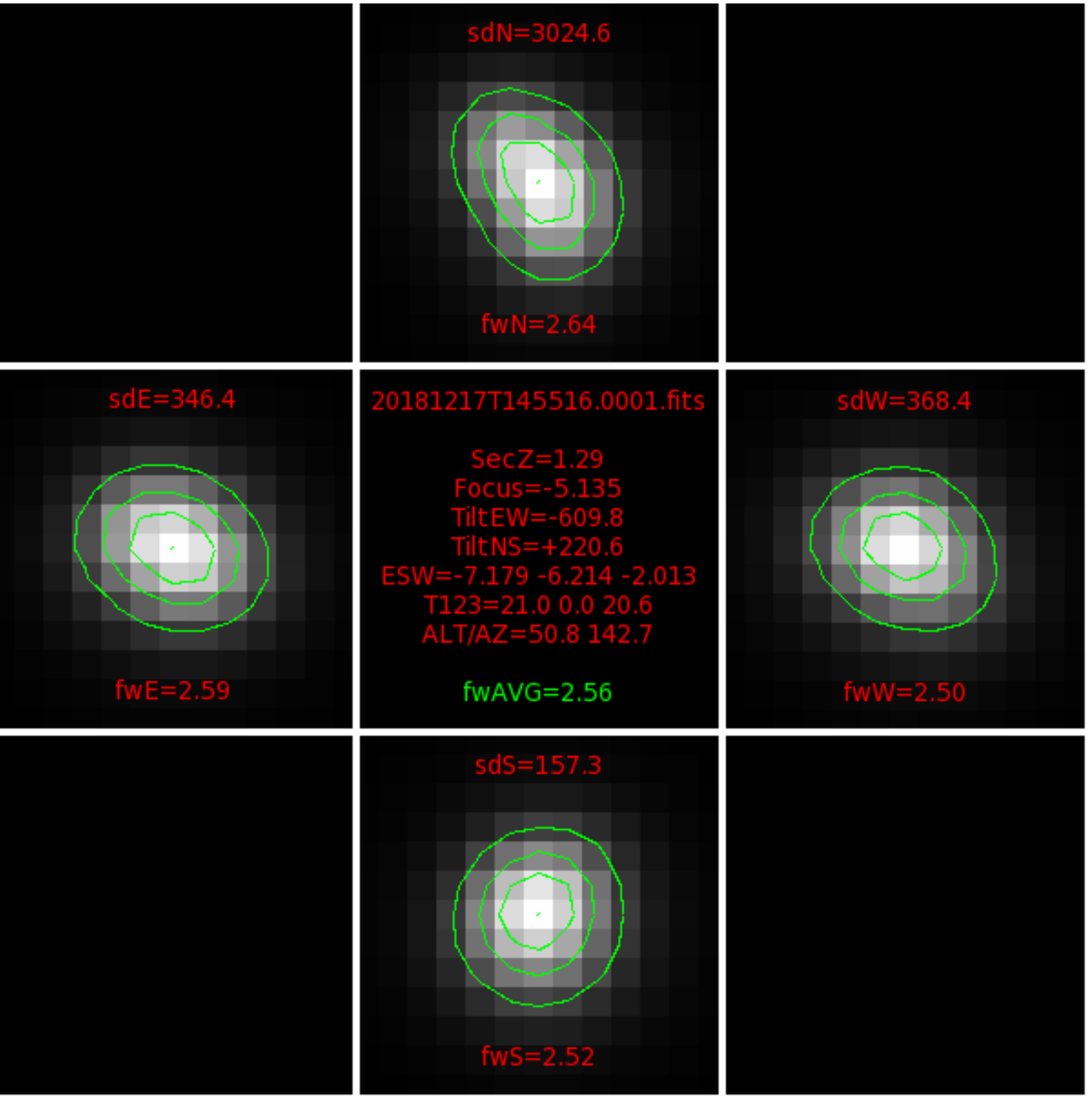
sdN=3024.6
fwN=2.64
sdE=346.4
fwE=2.59
20181217T145516.0001.fits
SecZ=1.29
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.0 0.0 20.6
ALT/AZ=50.8 142.7
fwAVG=2.56
sdW=368.4
fwW=2.50
sdS=157.3
fwS=2.52
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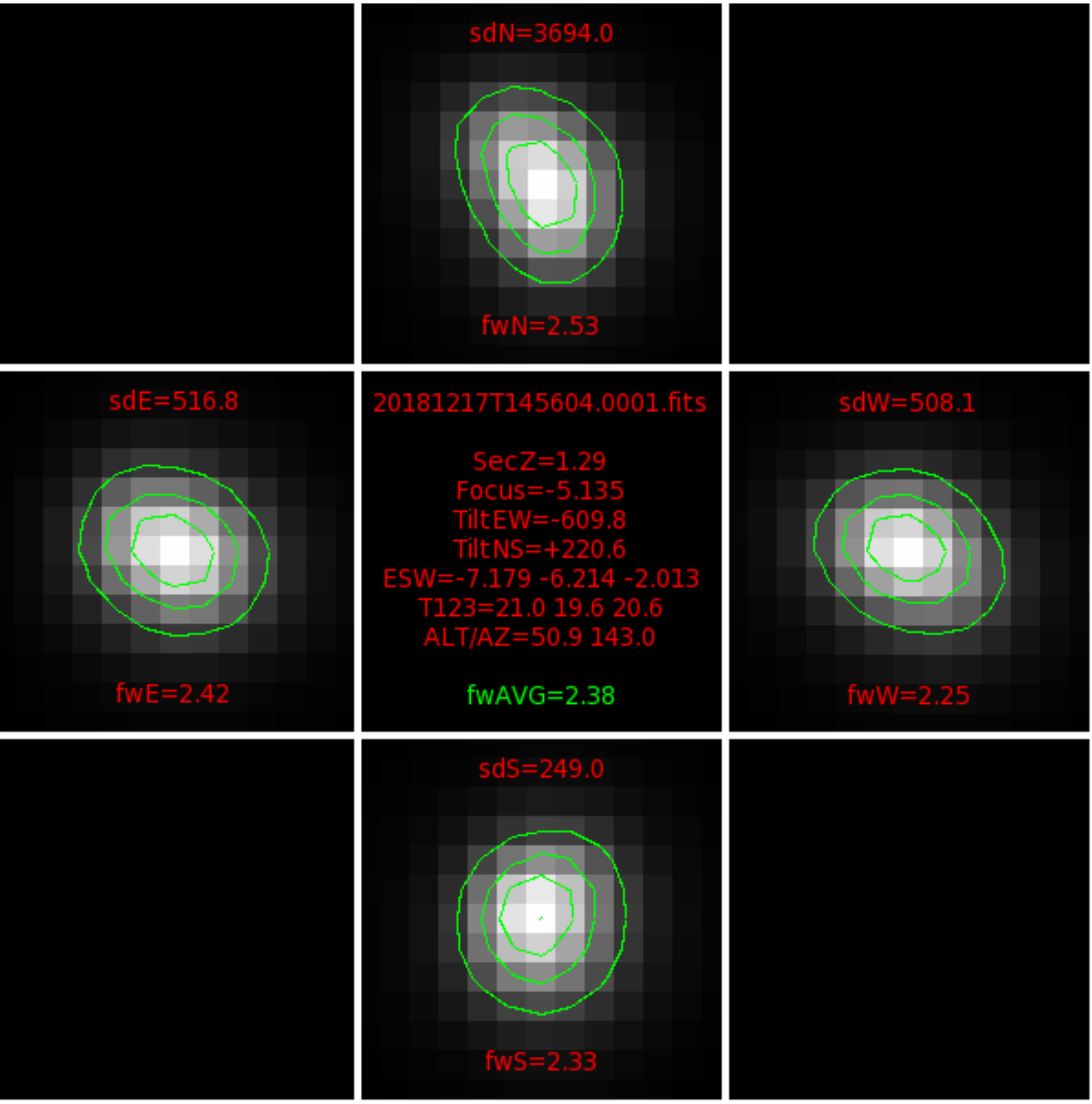
sdN=3694.0
fwN=2.53
sdE=516.8
fwE=2.42
20181217T145604.0001.fits
SecZ=1.29
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.0 19.6 20.6
ALT/AZ=50.9 143.0
fwAVG=2.38
sdW=508.1
fwW=2.25
sdS=249.0
fwS=2.33
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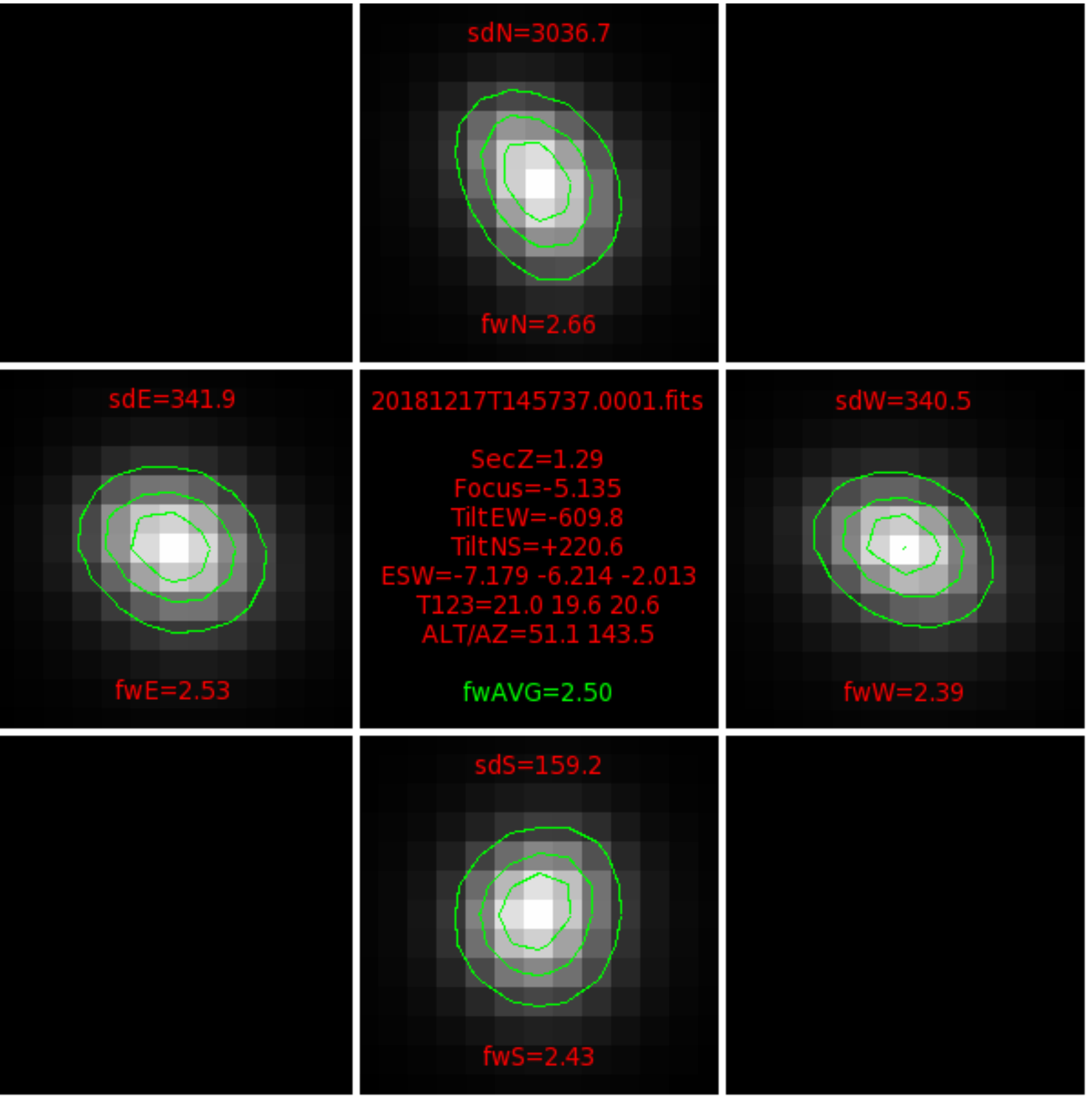
sdN=3036.7
fwN=2.66
sdE=341.9
fwE=2.53
20181217T145737.0001.fits
SecZ=1.29
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.0 19.6 20.6
ALT/AZ=51.1 143.5
fwAVG=2.50
sdW=340.5
fwW=2.39
sdS=159.2
fwS=2.43
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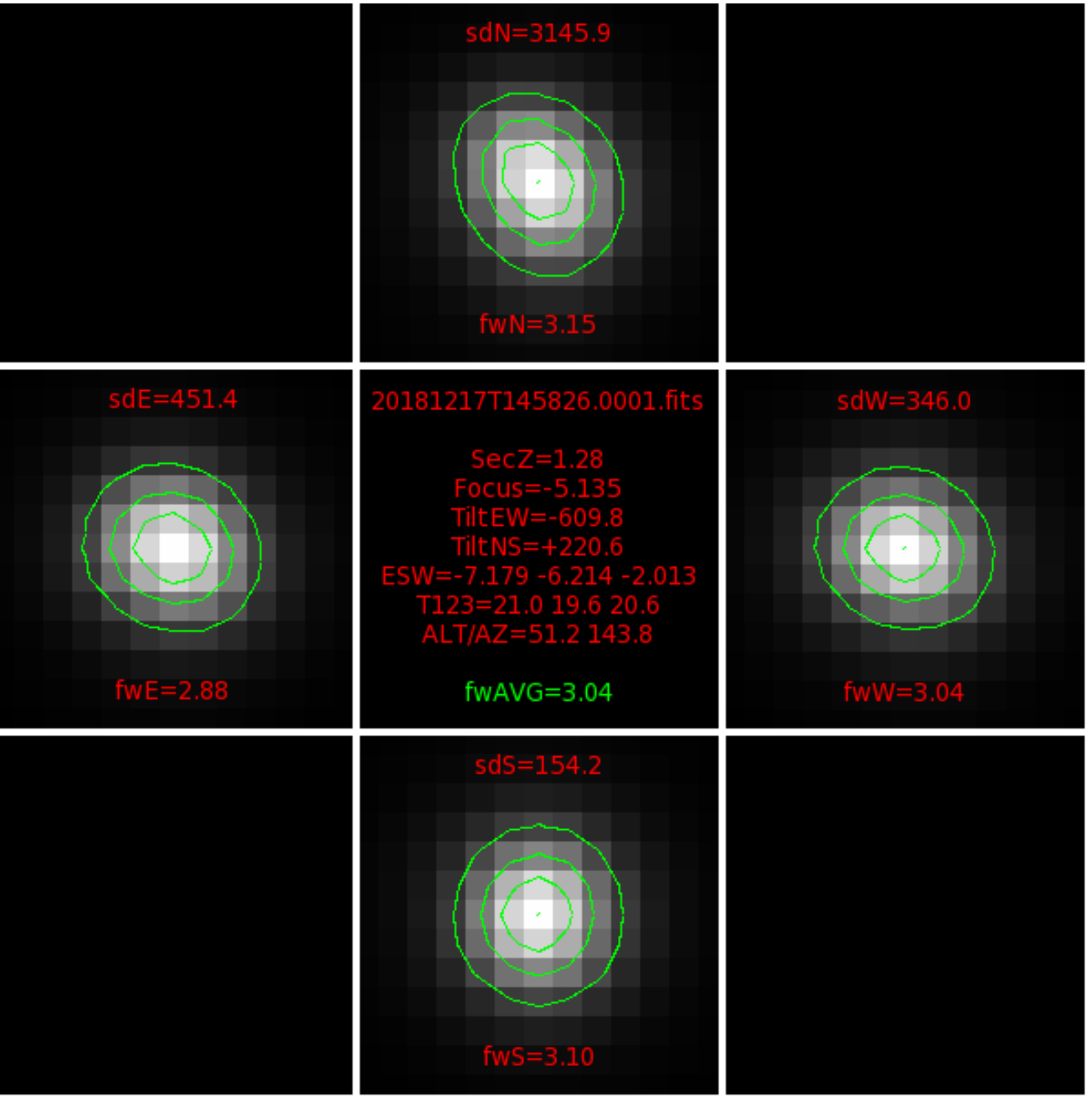
sdN=3145.9
fwN=3.15
sdE=451.4
fwE=2.88
20181217T145826.0001.fits
SecZ=1.28
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.0 19.6 20.6
ALT/AZ=51.2 143.8
fwAVG=3.04
sdW=346.0
fwW=3.04
sdS=154.2
fwS=3.10
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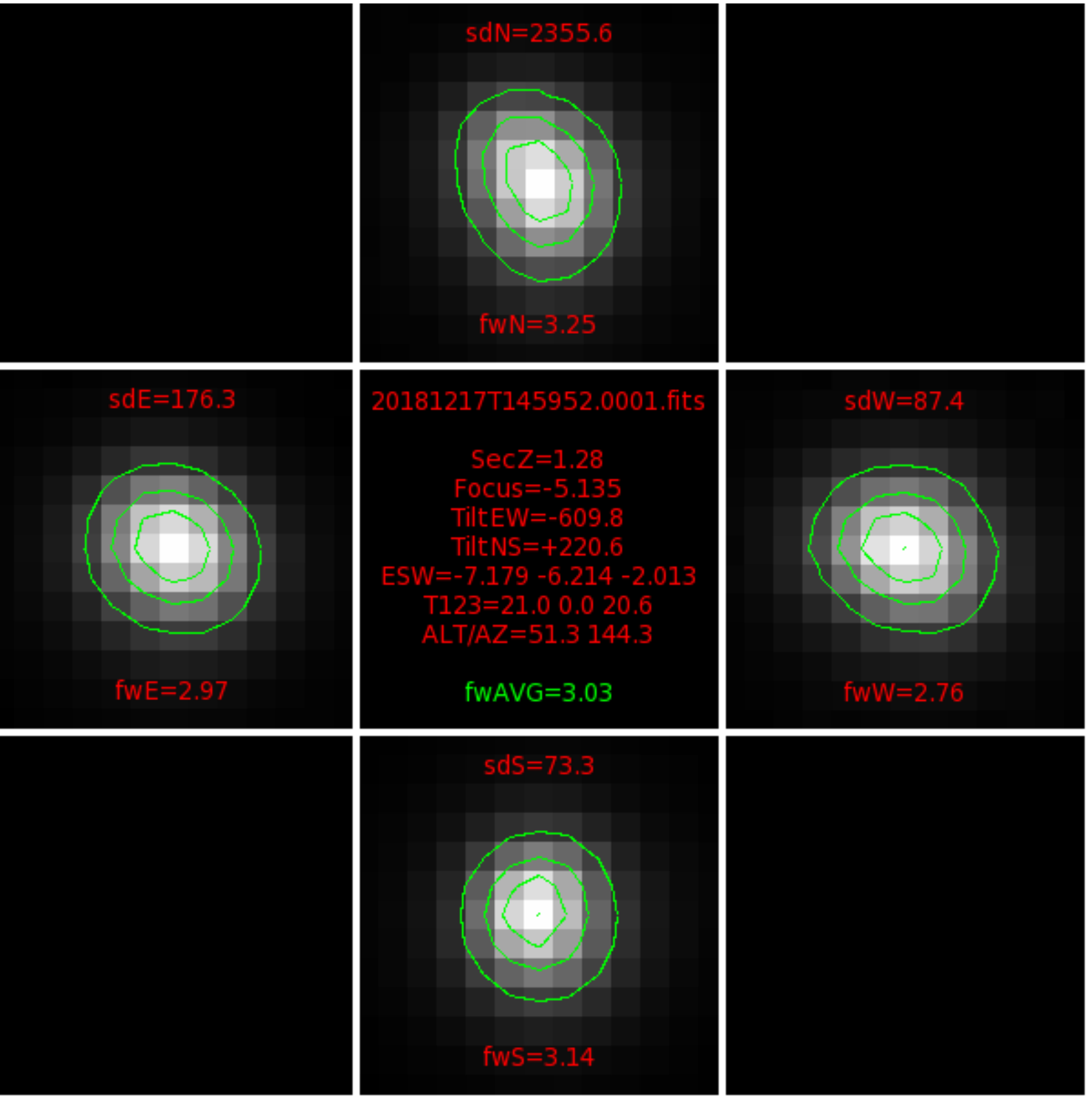
sdN=2355.6
fwN=3.25
sdE=176.3
fwE=2.97
20181217T145952.0001.fits
SecZ=1.28
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.0 0.0 20.6
ALT/AZ=51.3 144.3
fwAVG=3.03
sdW=87.4
fwW=2.76
sdS=73.3
fwS=3.14
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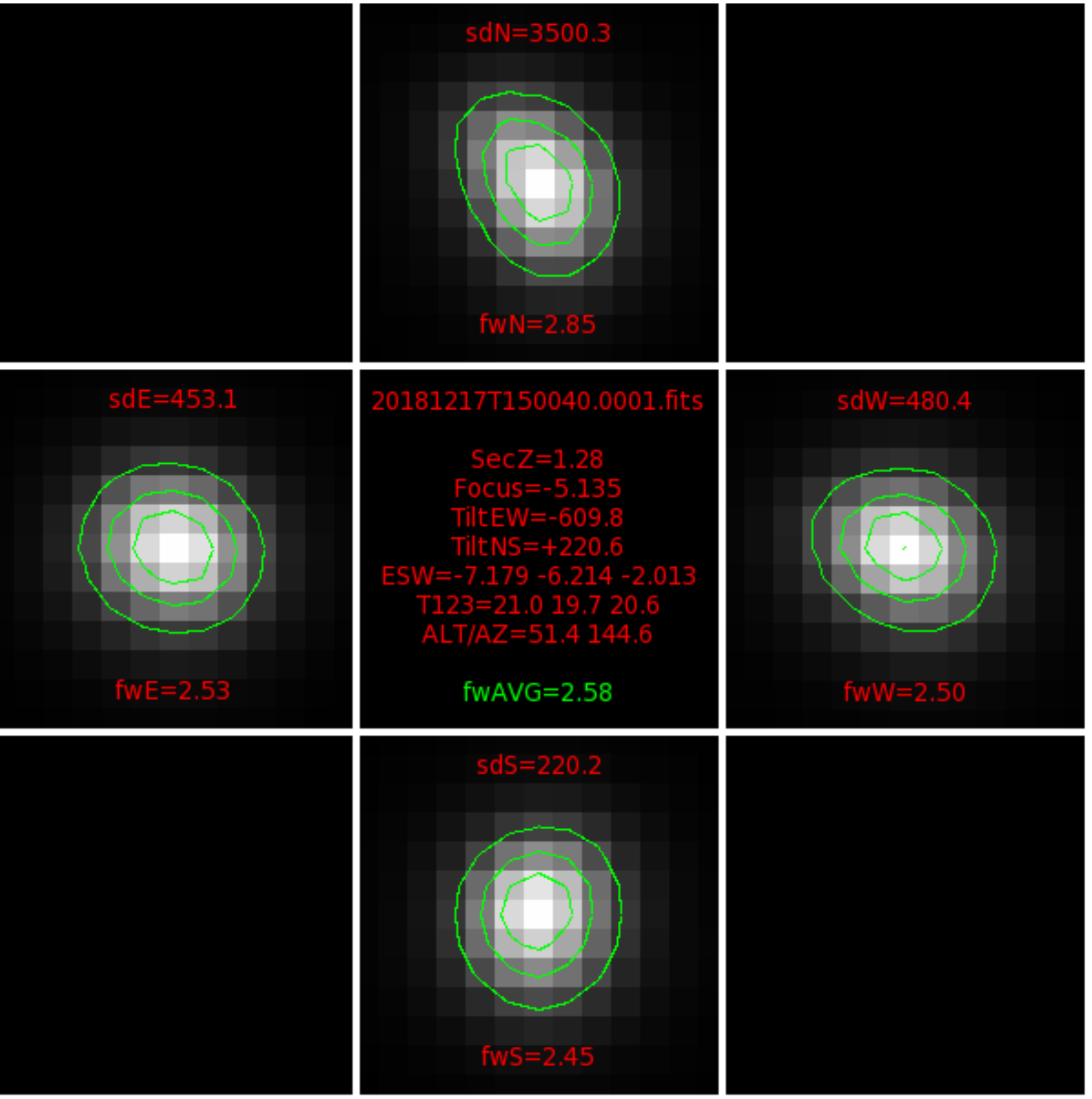
sdN=3500.3
fwN=2.85
sdE=453.1
fwE=2.53
20181217T150040.0001.fits
SecZ=1.28
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.0 19.7 20.6
ALT/AZ=51.4 144.6
fwAVG=2.58
sdW=480.4
fwW=2.50
sdS=220.2
fwS=2.45
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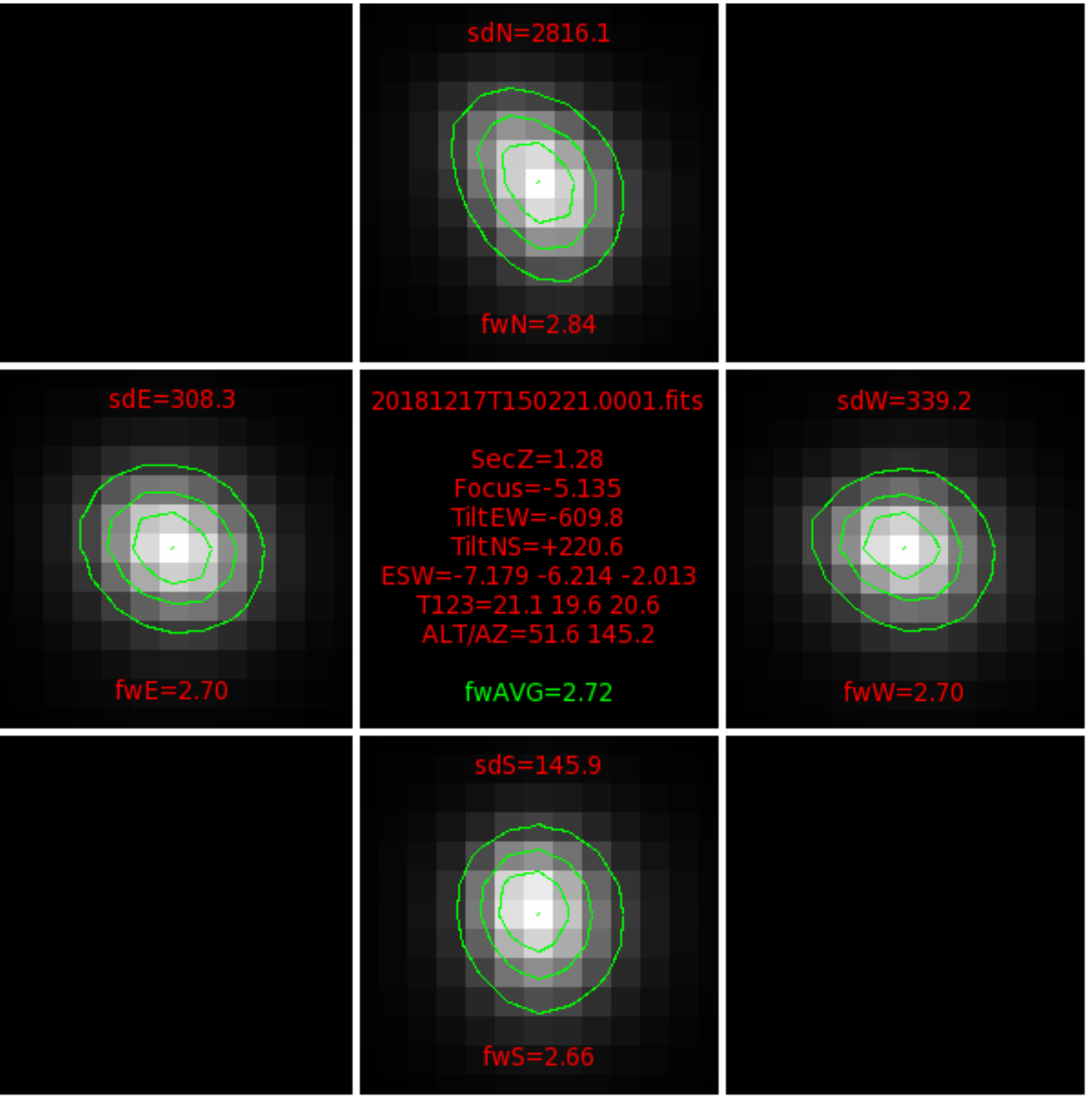
sdN=2816.1
fwN=2.84
sdE=308.3
fwE=2.70
20181217T150221.0001.fits
SecZ=1.28
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.1 19.6 20.6
ALT/AZ=51.6 145.2
fwAVG=2.72
sdW=339.2
fwW=2.70
sdS=145.9
fwS=2.66
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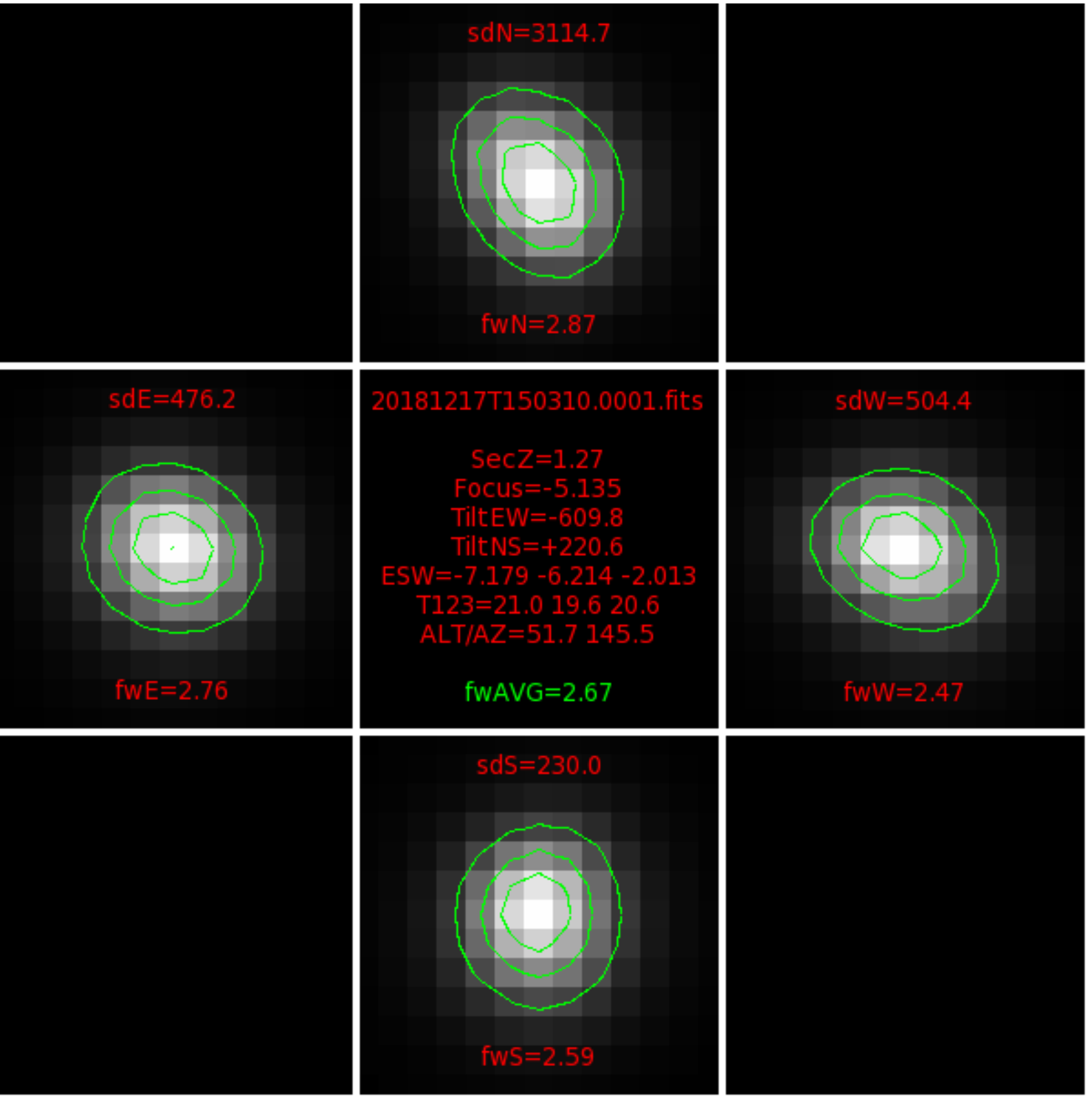
sdN=3114.7
fwN=2.87
sdE=476.2
fwE=2.76
20181217T150310.0001.fits
SecZ=1.27
Focus=-5.135
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.179 -6.214 -2.013
T123=21.0 19.6 20.6
ALT/AZ=51.7 145.5
fwAVG=2.67
sdW=504.4
fwW=2.47
sdS=230.0
fwS=2.59
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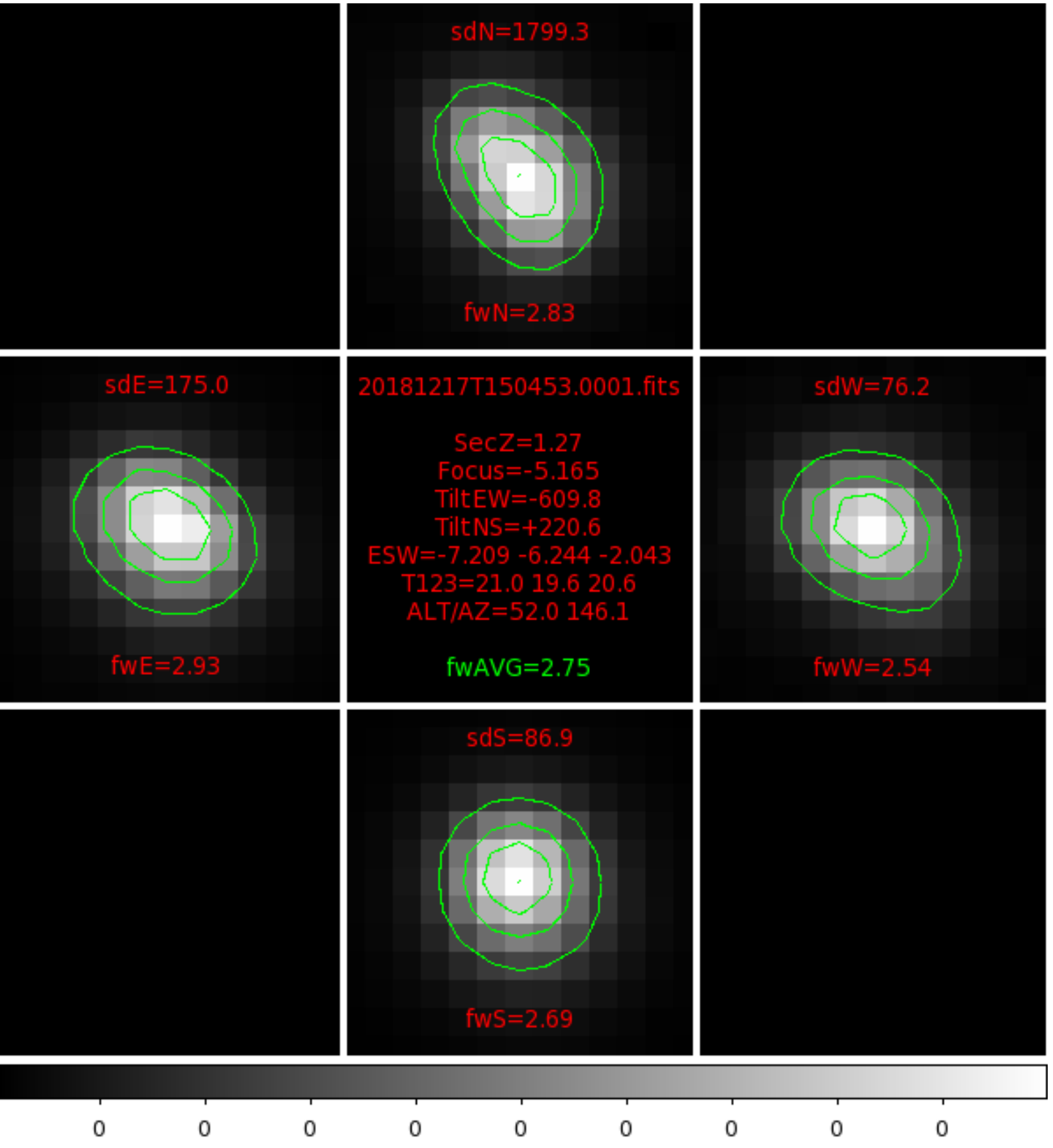
sdN=1799.3
fwN=2.83
sdE=175.0
fwE=2.93
20181217T150453.0001.fits
SecZ=1.27
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=21.0 19.6 20.6
ALT/AZ=52.0 146.1
fwAVG=2.75
sdW=76.2
fwW=2.54
sdS=86.9
fwS=2.69
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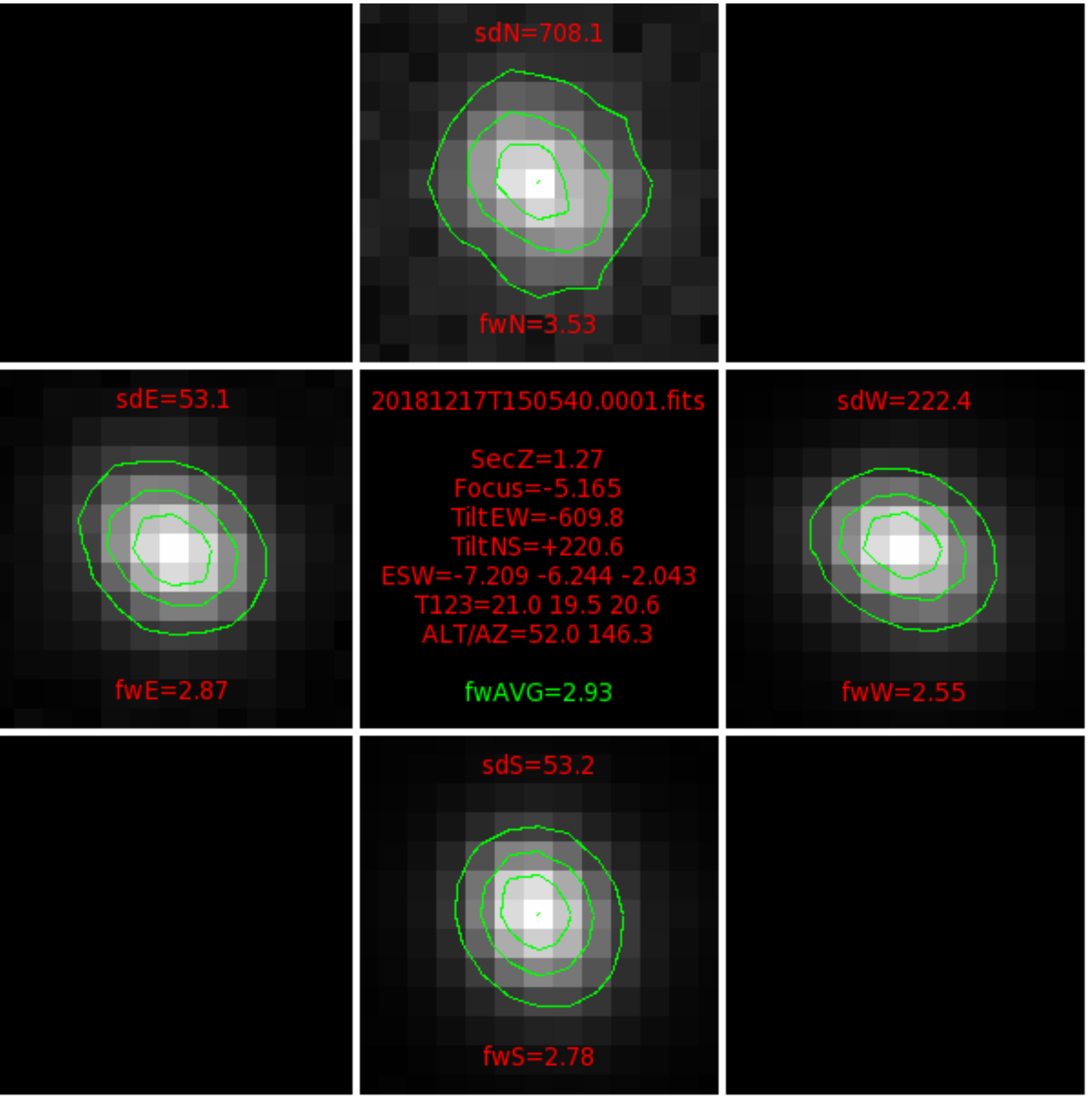
sdN=708.1
fwN=3.53
sdE=53.1
fwE=2.87
20181217T150540.0001.fits
SecZ=1.27
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=21.0 19.5 20.6
ALT/AZ=52.0 146.3
fwAVG=2.93
sdW=222.4
fwW=2.55
sdS=53.2
fwS=2.78
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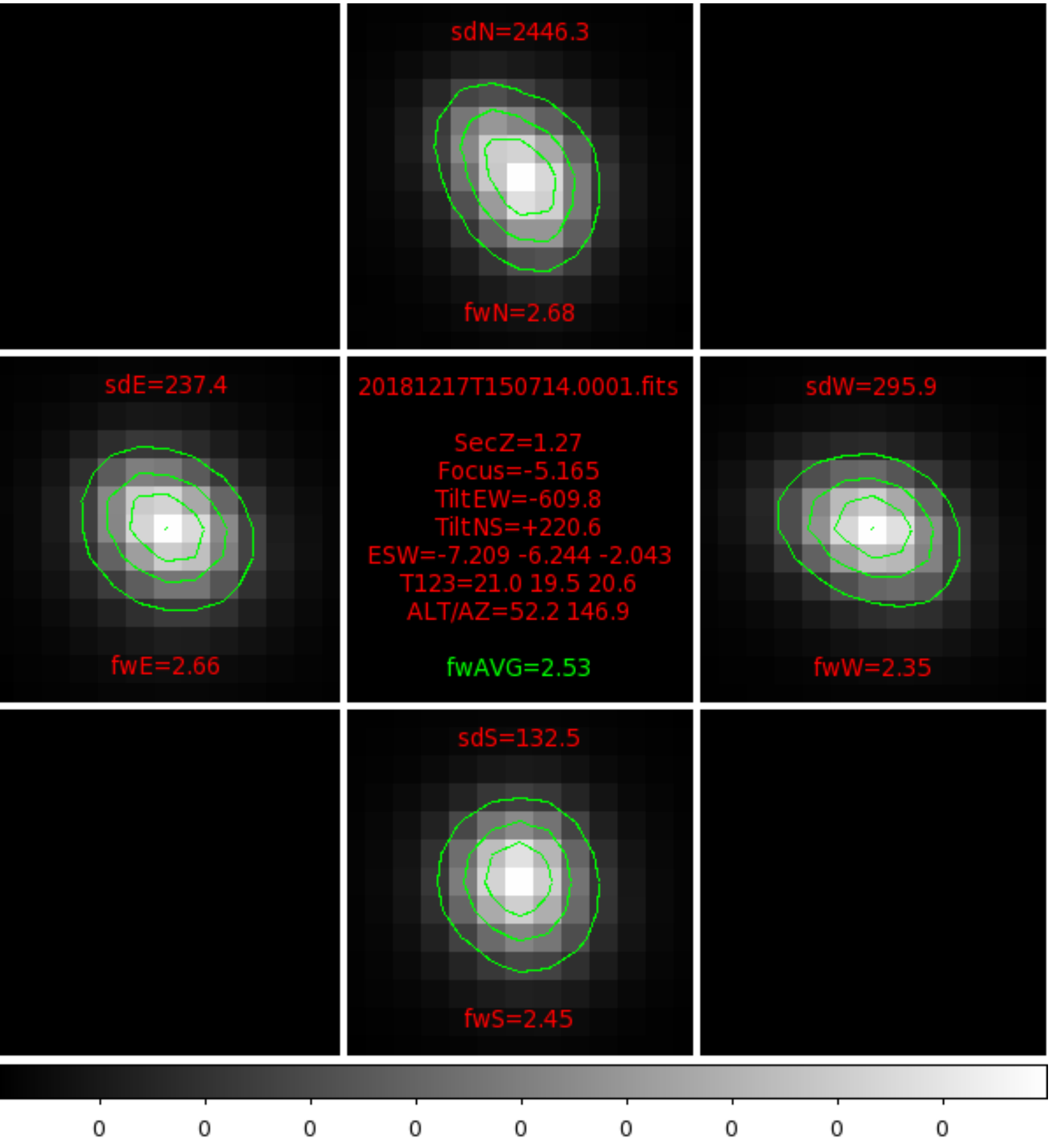
sdN=2446.3
fwN=2.68
sdE=237.4
fwE=2.66
20181217T150714.0001.fits
SecZ=1.27
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=21.0 19.5 20.6
ALT/AZ=52.2 146.9
fwAVG=2.53
sdW=295.9
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sdS=132.5
fwS=2.45
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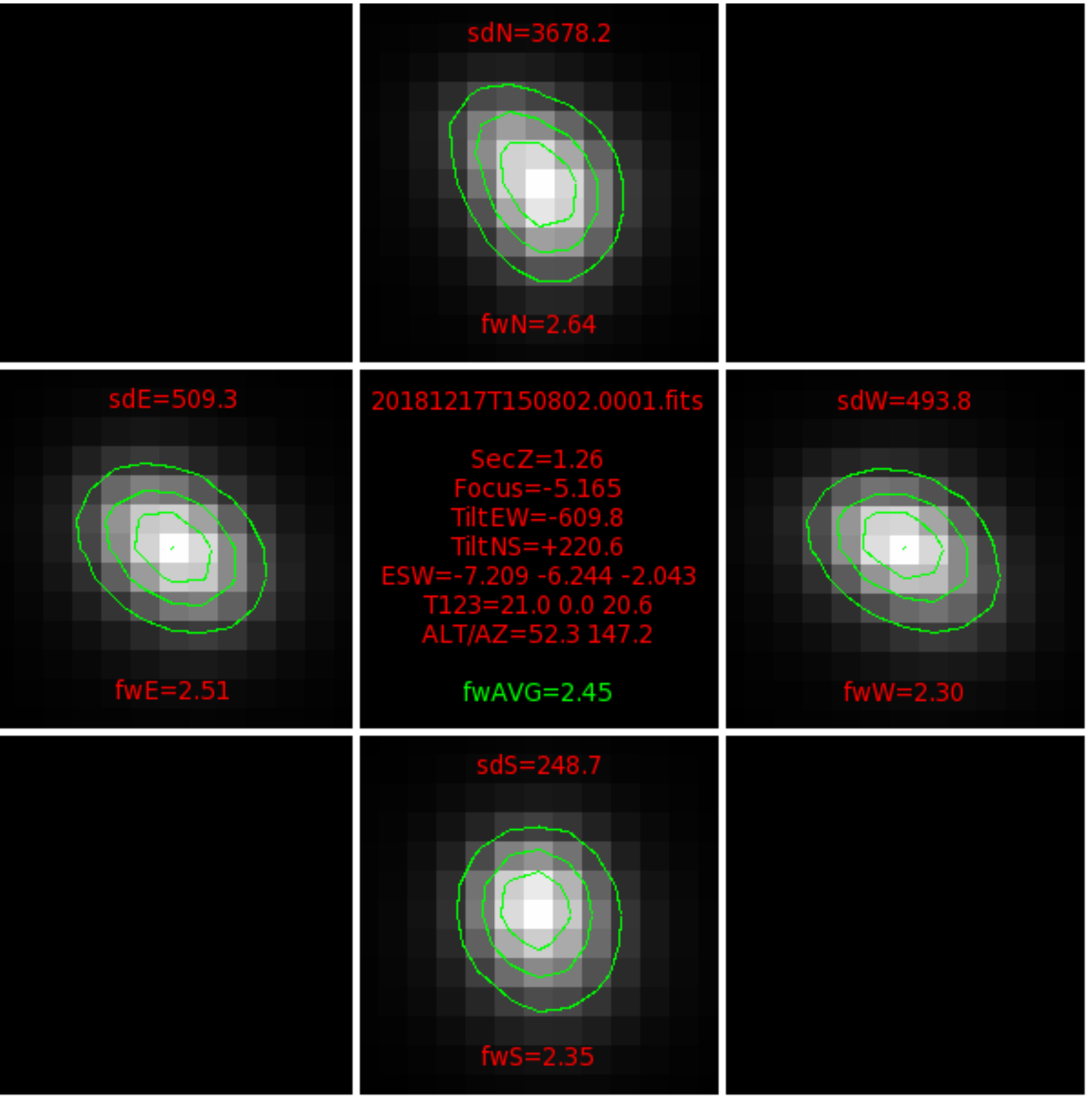
sdN=3678.2
fwN=2.64
sdE=509.3
fwE=2.51
20181217T150802.0001.fits
SecZ=1.26
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=21.0 0.0 20.6
ALT/AZ=52.3 147.2
fwAVG=2.45
sdW=493.8
fwW=2.30
sdS=248.7
fwS=2.35
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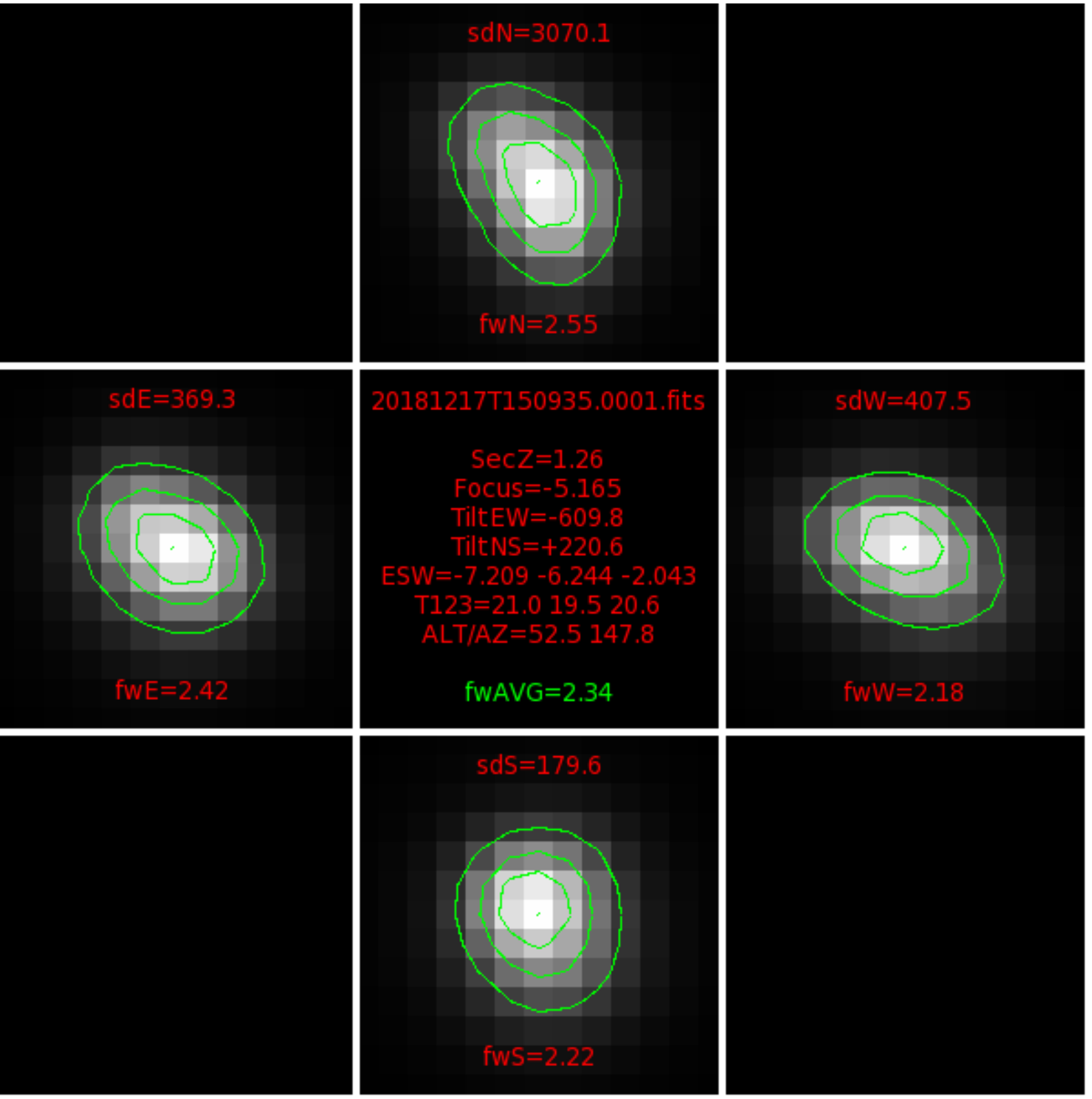
sdN=3070.1
fwN=2.55
sdE=369.3
fwE=2.42
20181217T150935.0001.fits
SecZ=1.26
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=21.0 19.5 20.6
ALT/AZ=52.5 147.8
fwAVG=2.34
sdW=407.5
fwW=2.18
sdS=179.6
fwS=2.22
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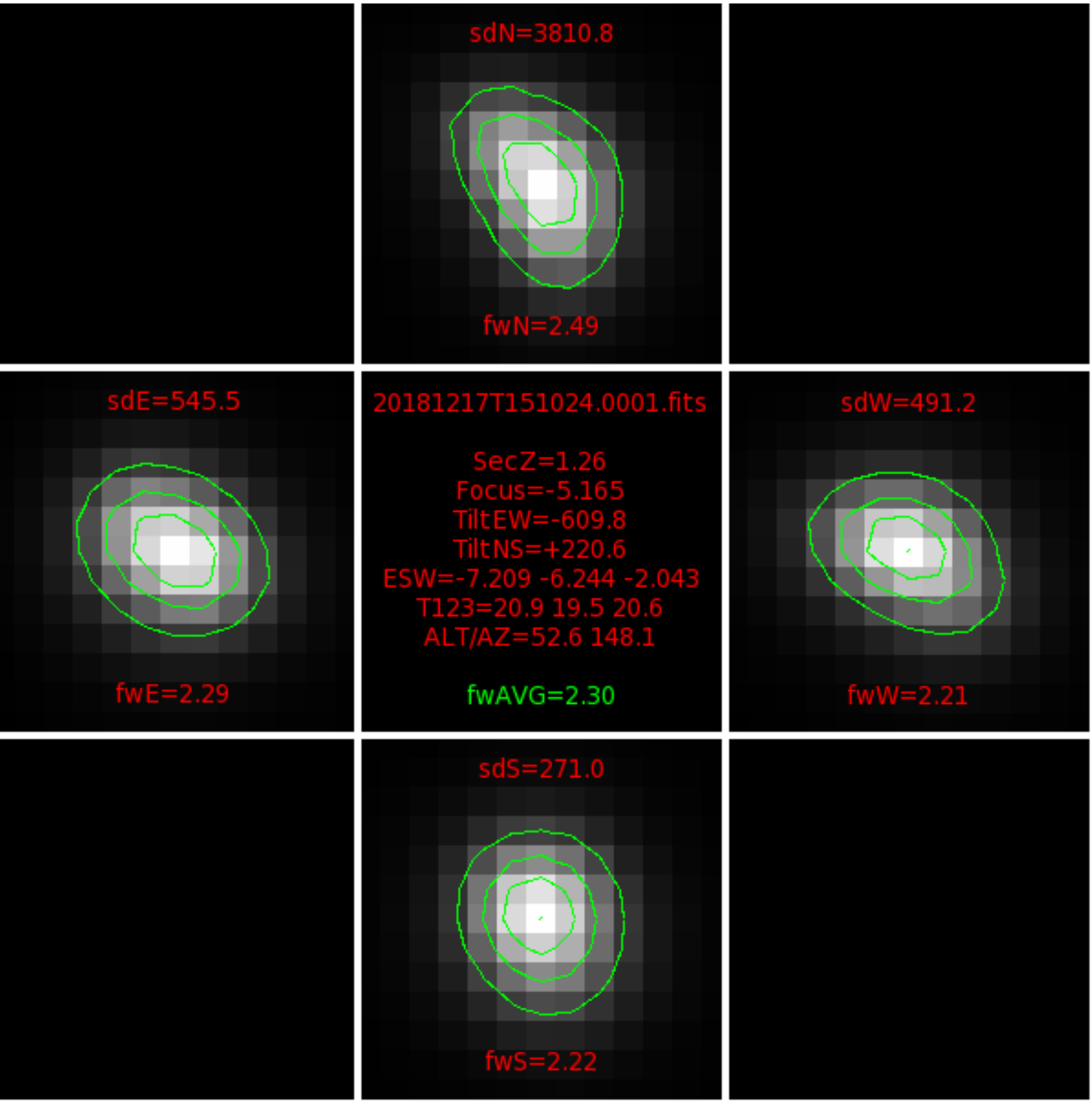
sdN=3810.8
fwN=2.49
sdE=545.5
fwE=2.29
20181217T151024.0001.fits
SecZ=1.26
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.9 19.5 20.6
ALT/AZ=52.6 148.1
fwAVG=2.30
sdW=491.2
fwW=2.21
sdS=271.0
fwS=2.22
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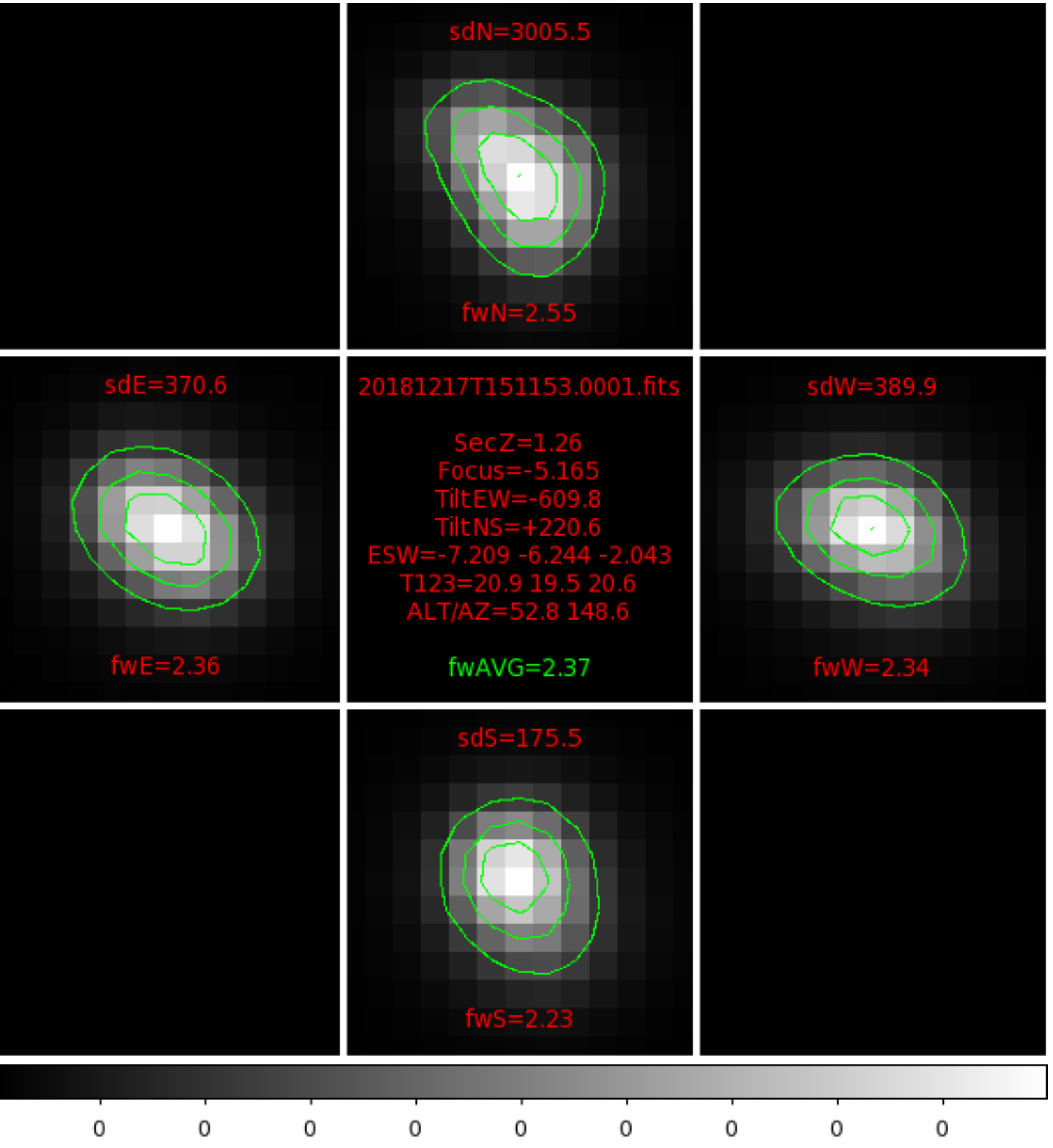
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fwN=2.55
sdE=370.6
fwE=2.36
20181217T151153.0001.fits
SecZ=1.26
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.9 19.5 20.6
ALT/AZ=52.8 148.6
fwAVG=2.37
sdW=389.9
fwW=2.34
sdS=175.5
fwS=2.23
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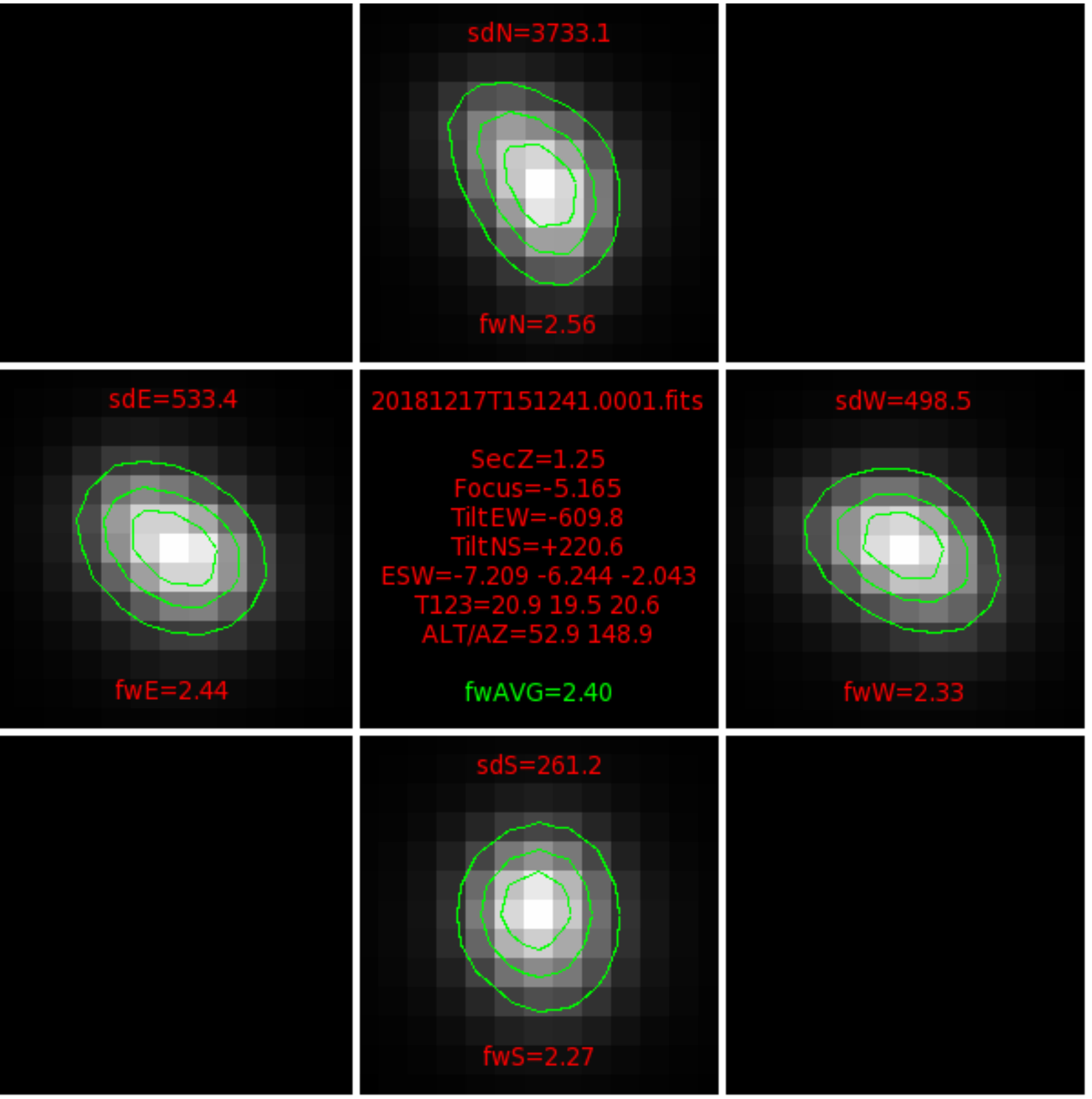
sdN=3733.1
fwN=2.56
sdE=533.4
fwE=2.44
20181217T151241.0001.fits
SecZ=1.25
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.9 19.5 20.6
ALT/AZ=52.9 148.9
fwAVG=2.40
sdW=498.5
fwW=2.33
sdS=261.2
fwS=2.27
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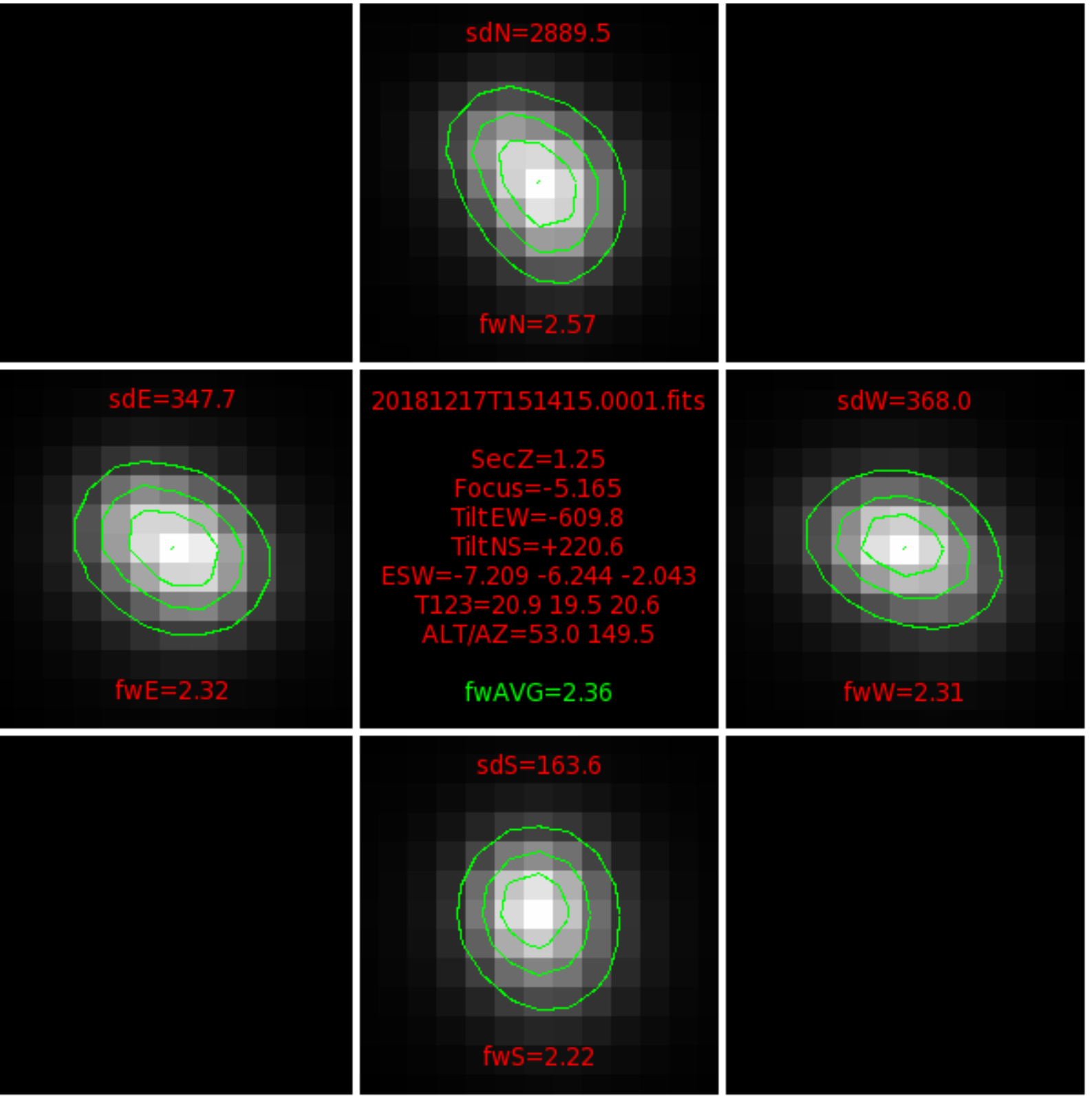
sdN=2889.5
fwN=2.57
sdE=347.7
fwE=2.32
20181217T151415.0001.fits
SecZ=1.25
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.9 19.5 20.6
ALT/AZ=53.0 149.5
fwAVG=2.36
sdW=368.0
fwW=2.31
sdS=163.6
fwS=2.22
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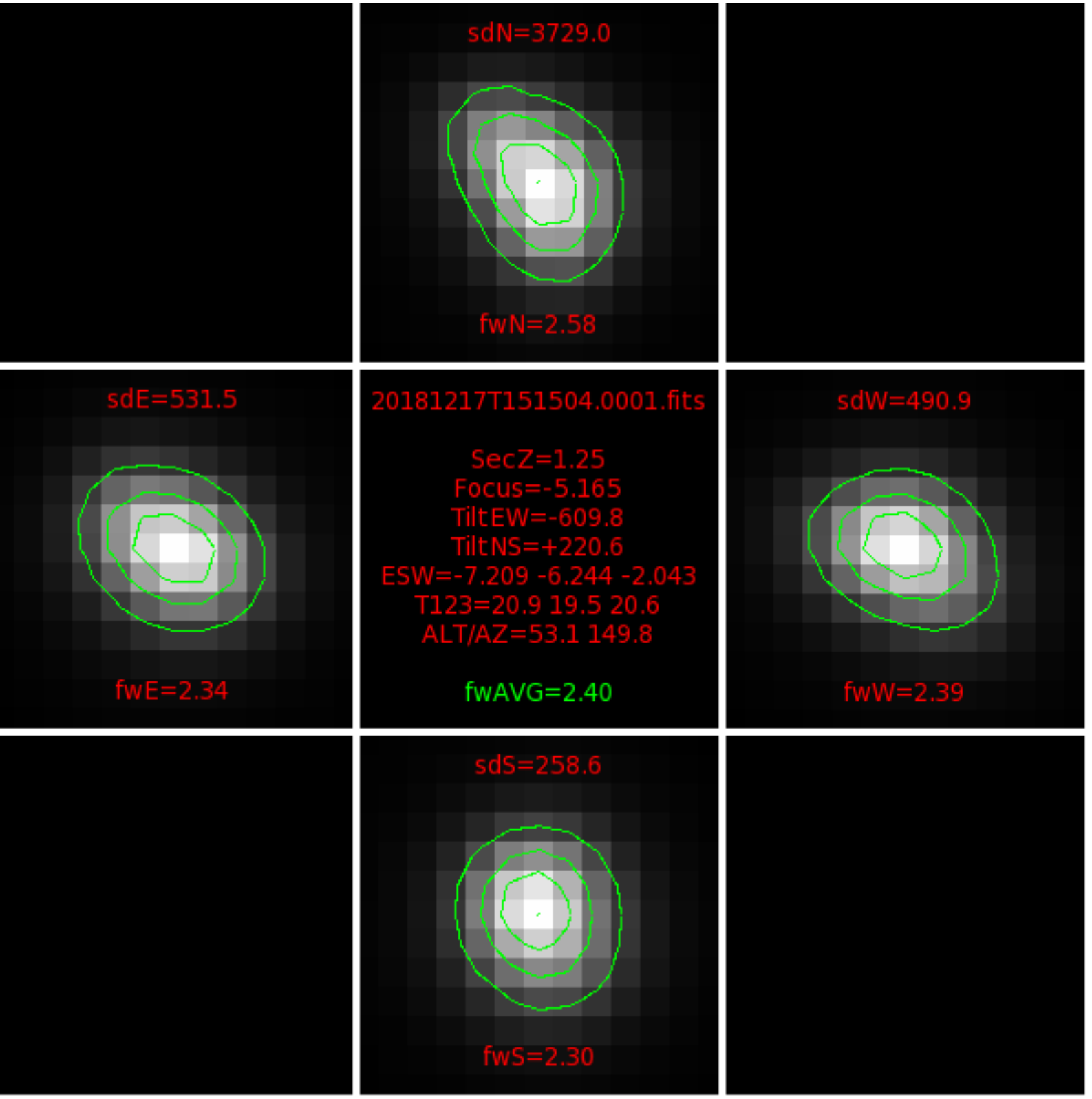
sdN=3729.0
fwN=2.58
sdE=531.5
fwE=2.34
20181217T151504.0001.fits
SecZ=1.25
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.9 19.5 20.6
ALT/AZ=53.1 149.8
fwAVG=2.40
sdW=490.9
fwW=2.39
sdS=258.6
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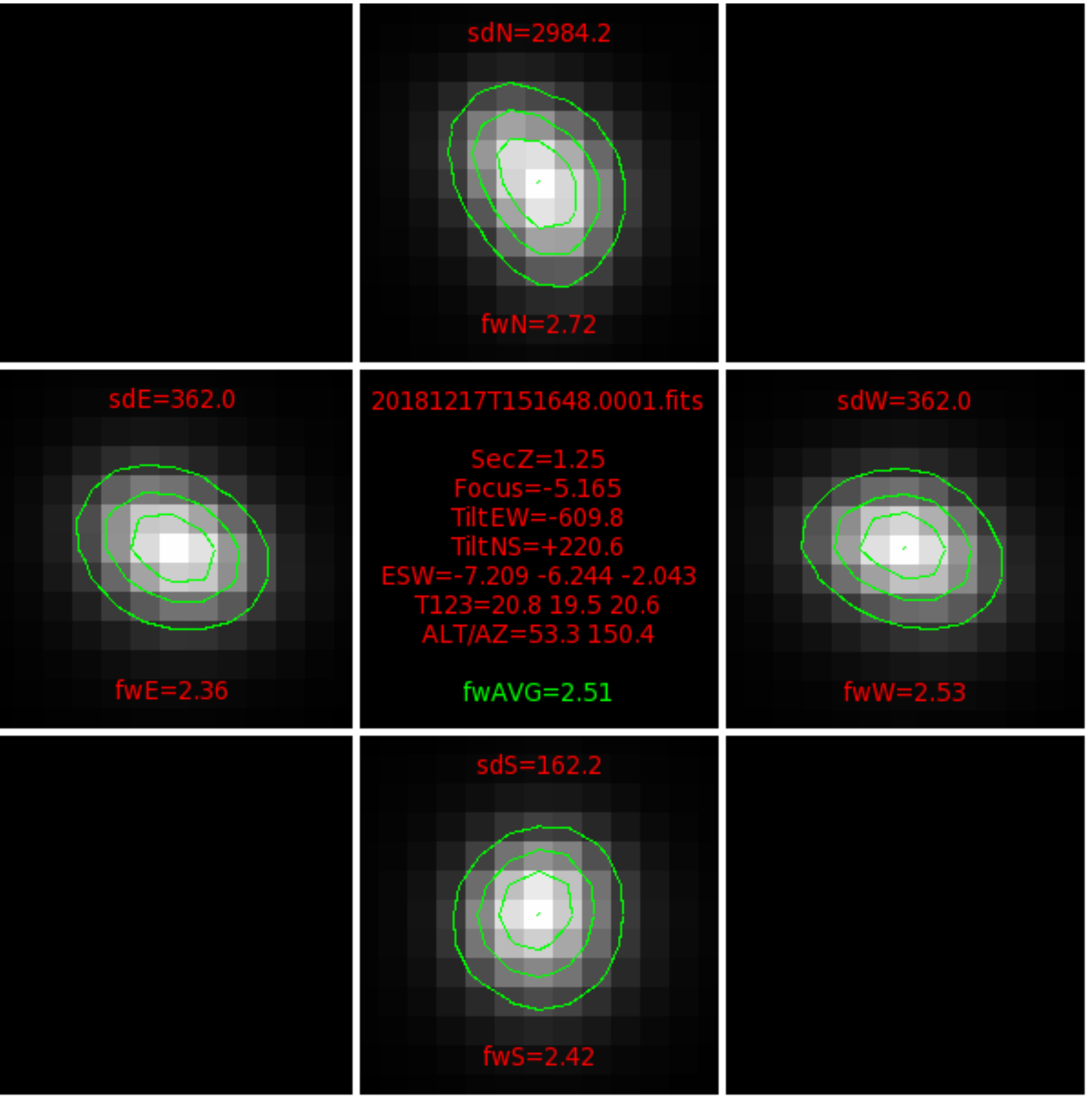
sdN=2984.2
fwN=2.72
sdE=362.0
fwE=2.36
20181217T151648.0001.fits
SecZ=1.25
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 19.5 20.6
ALT/AZ=53.3 150.4
fwAVG=2.51
sdW=362.0
fwW=2.53
sdS=162.2
fwS=2.42
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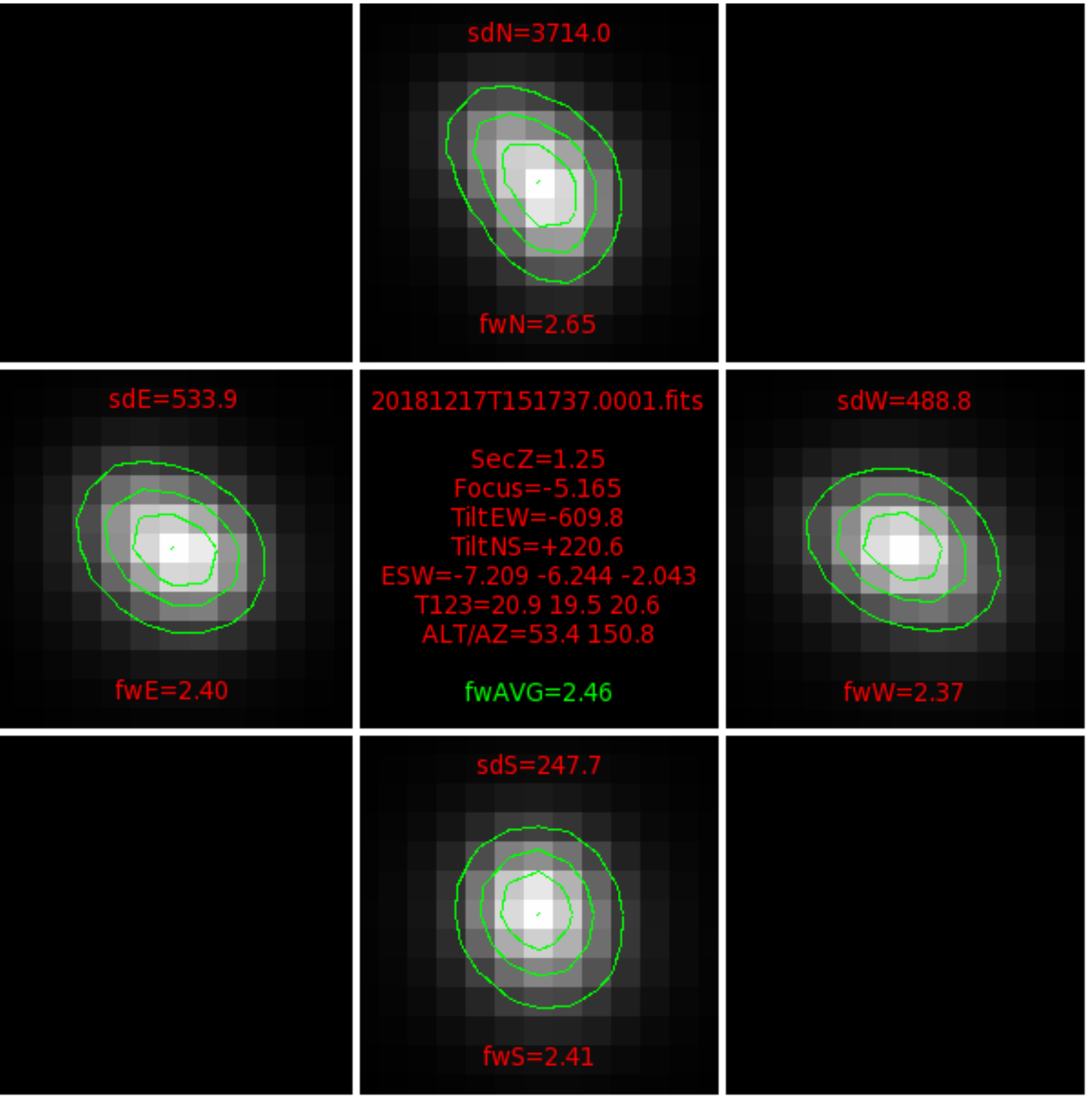
sdN=3714.0
fwN=2.65
sdE=533.9
fwE=2.40
20181217T151737.0001.fits
SecZ=1.25
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.9 19.5 20.6
ALT/AZ=53.4 150.8
fwAVG=2.46
sdW=488.8
fwW=2.37
sdS=247.7
fwS=2.41
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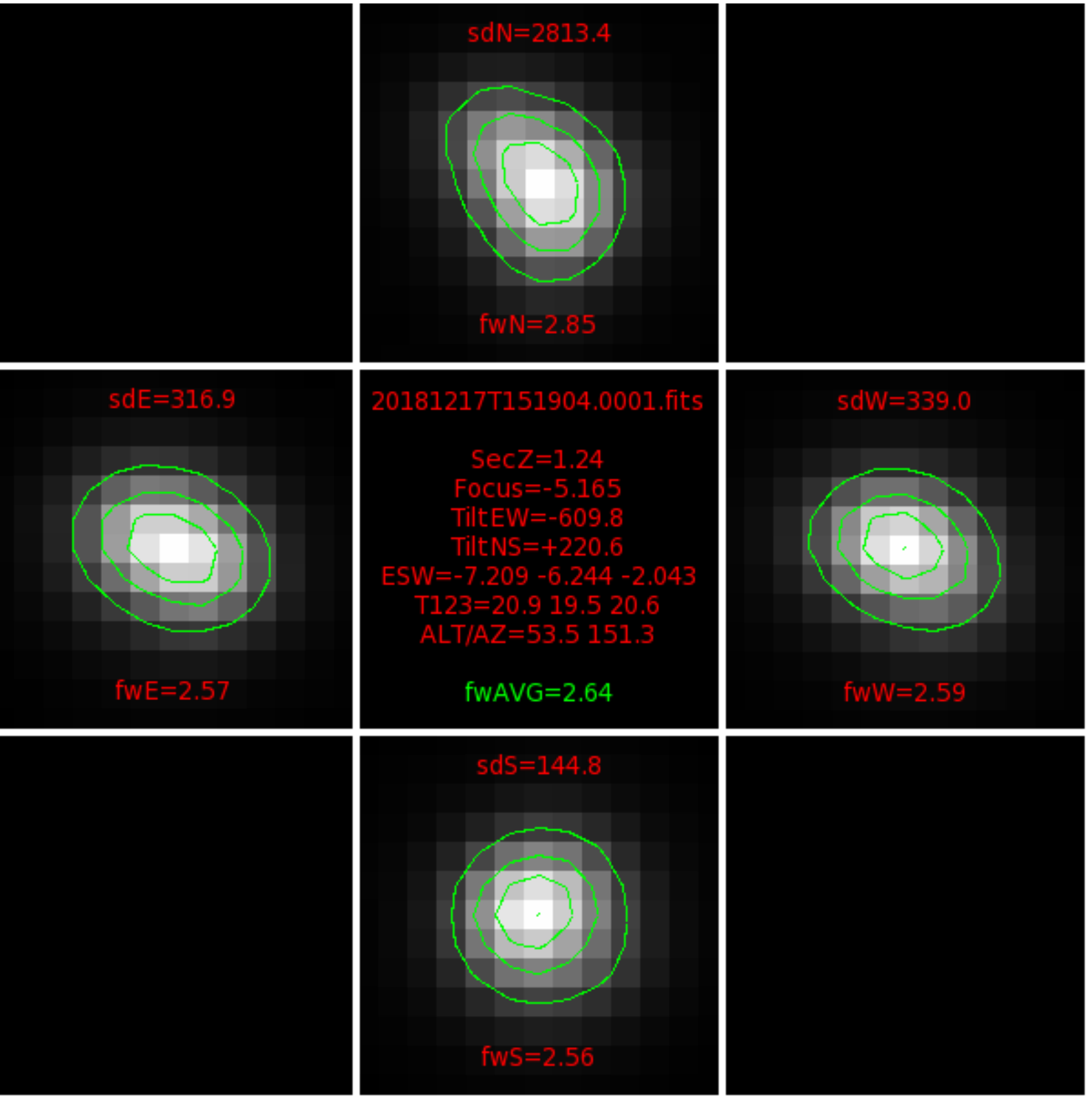
sdN=2813.4
fwN=2.85
sdE=316.9
fwE=2.57
20181217T151904.0001.fits
SecZ=1.24
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.9 19.5 20.6
ALT/AZ=53.5 151.3
fwAVG=2.64
sdW=339.0
fwW=2.59
sdS=144.8
fwS=2.56
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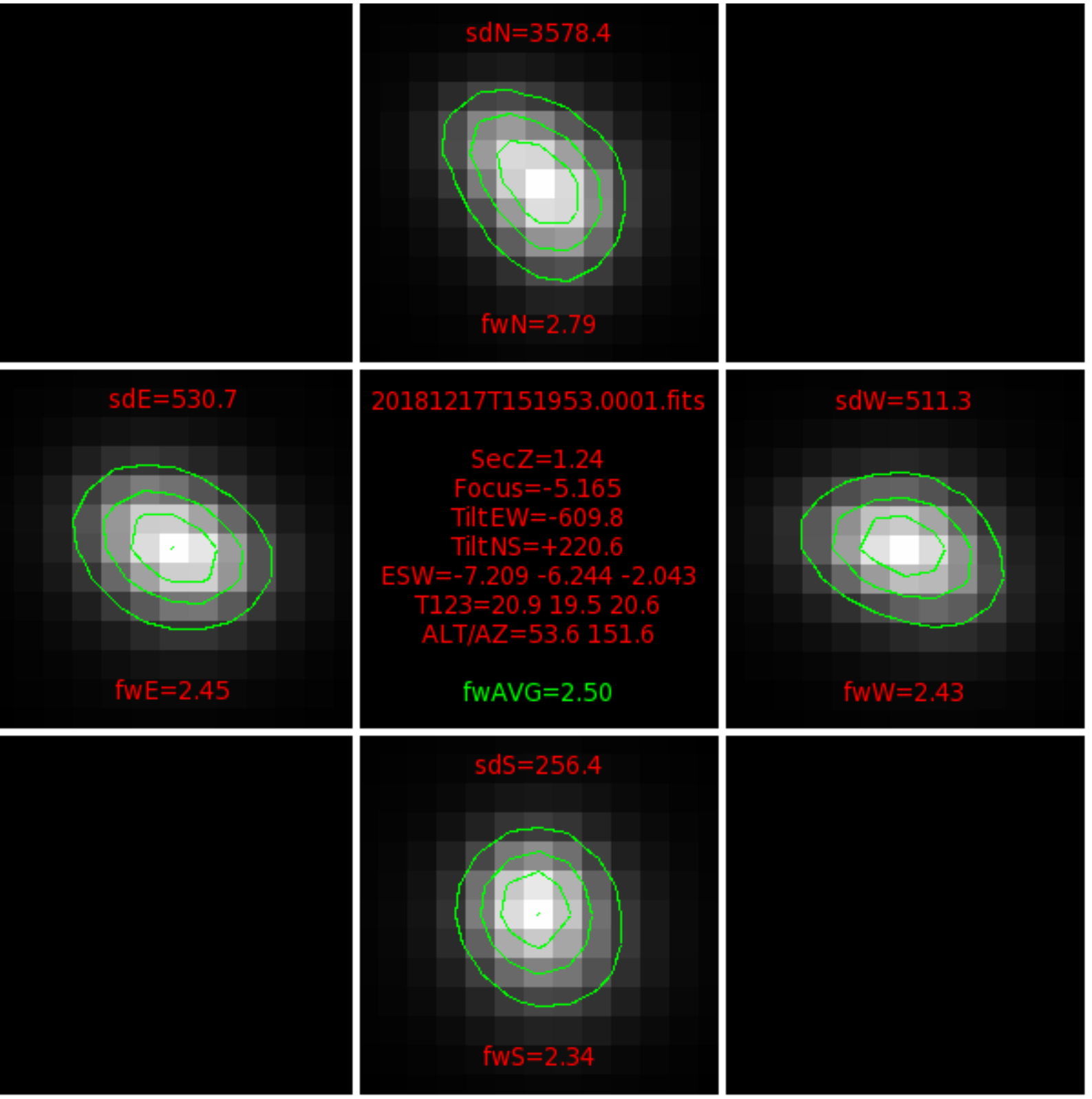
sdN=3578.4
fwN=2.79
sdE=530.7
fwE=2.45
20181217T151953.0001.fits
SecZ=1.24
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.9 19.5 20.6
ALT/AZ=53.6 151.6
fwAVG=2.50
sdW=511.3
fwW=2.43
sdS=256.4
fwS=2.34
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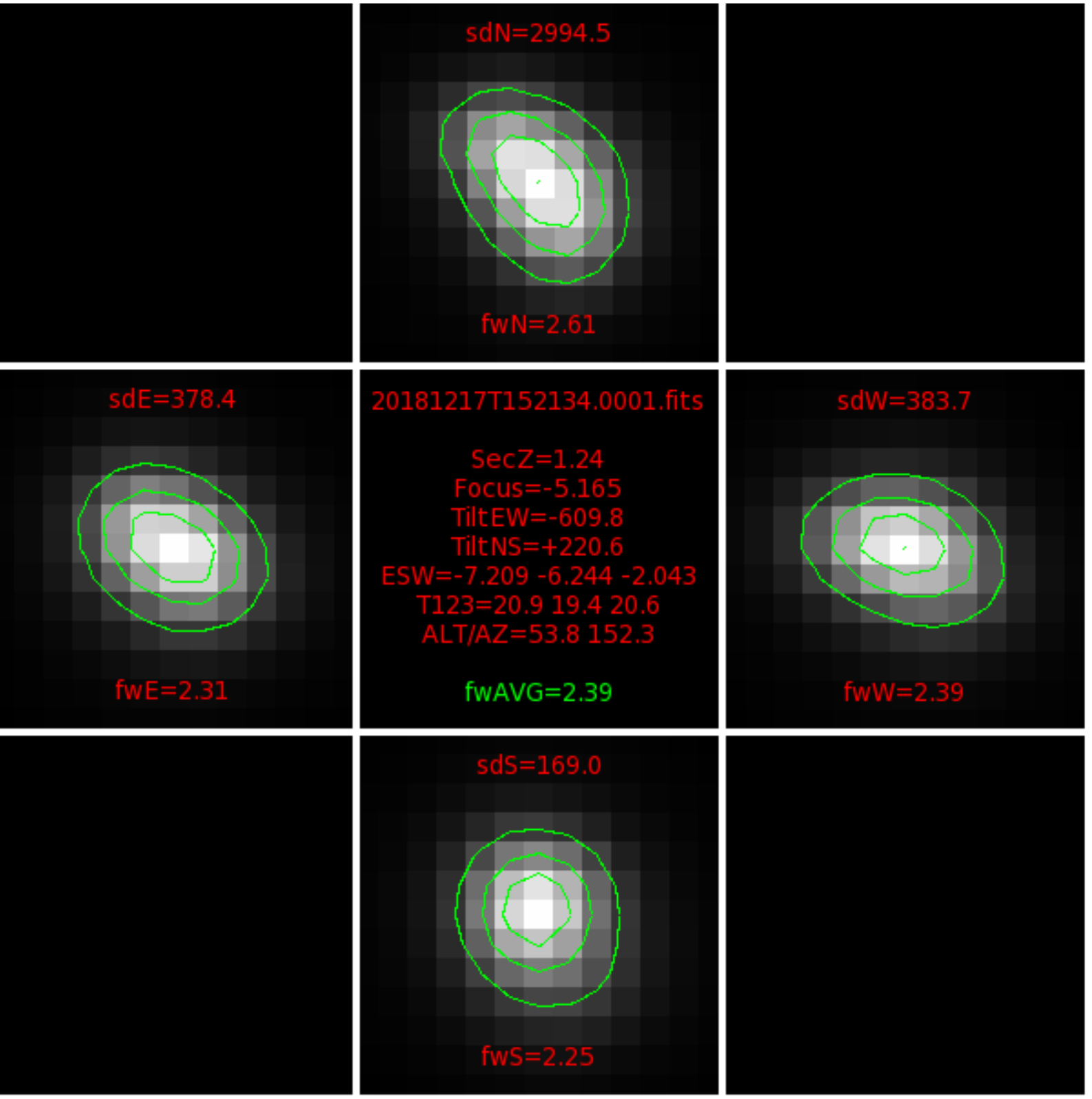
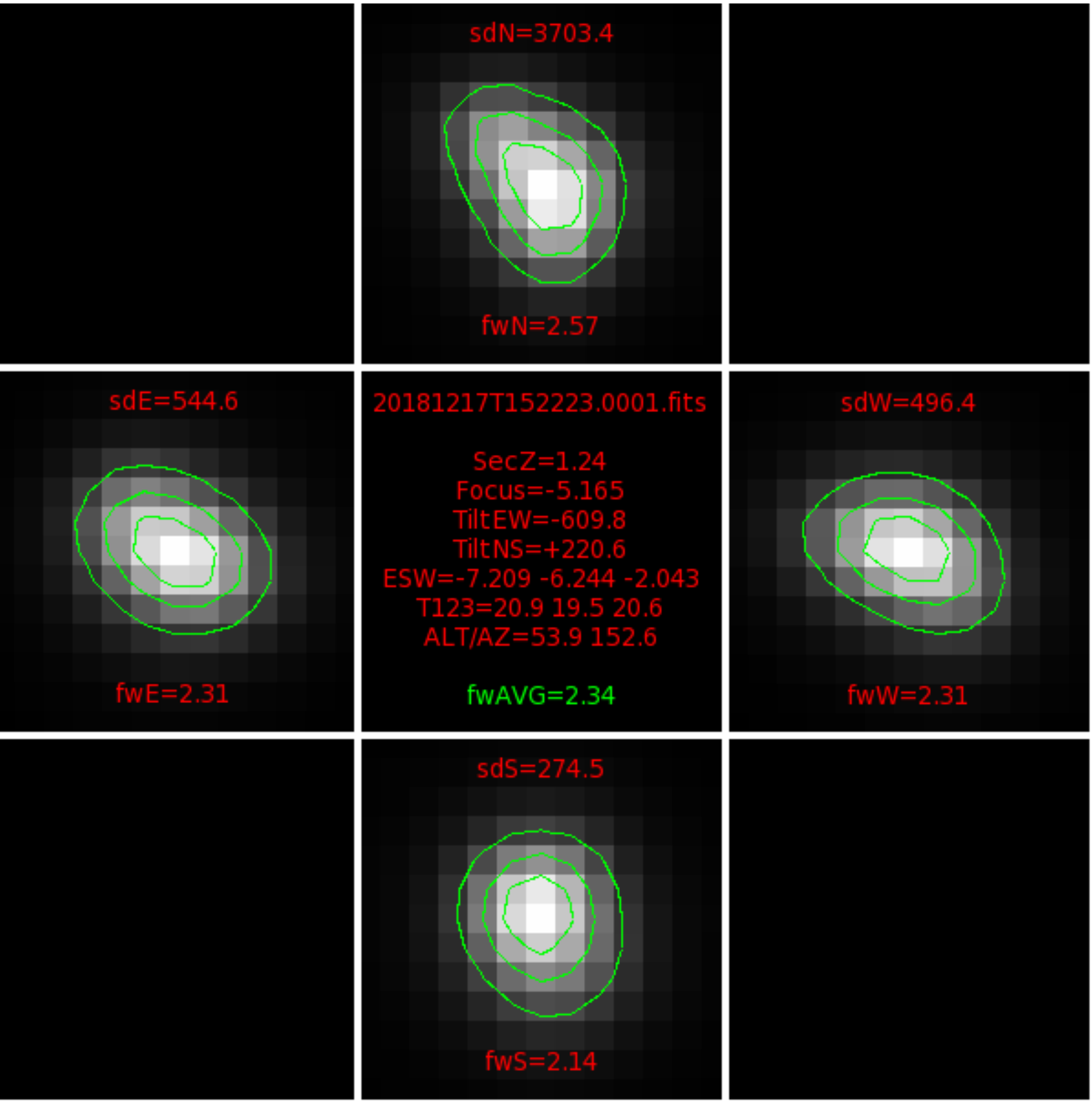

sdN=2994.5
fwN=2.61
sdE=378.4
fwE=2.31
20181217T152134.0001.fits
SecZ=1.24
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.9 19.4 20.6
ALT/AZ=53.8 152.3
fwAVG=2.39
sdW=383.7
fwW=2.39
sdS=169.0
fwS=2.25
0 0 0 0 0 0 0 0 0


sdN=3703.4
fwN=2.57
sdE=544.6
fwE=2.31
20181217T152223.0001.fits
SecZ=1.24
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.9 19.5 20.6
ALT/AZ=53.9 152.6
fwAVG=2.34
sdW=496.4
fwW=2.31
sdS=274.5
fwS=2.14
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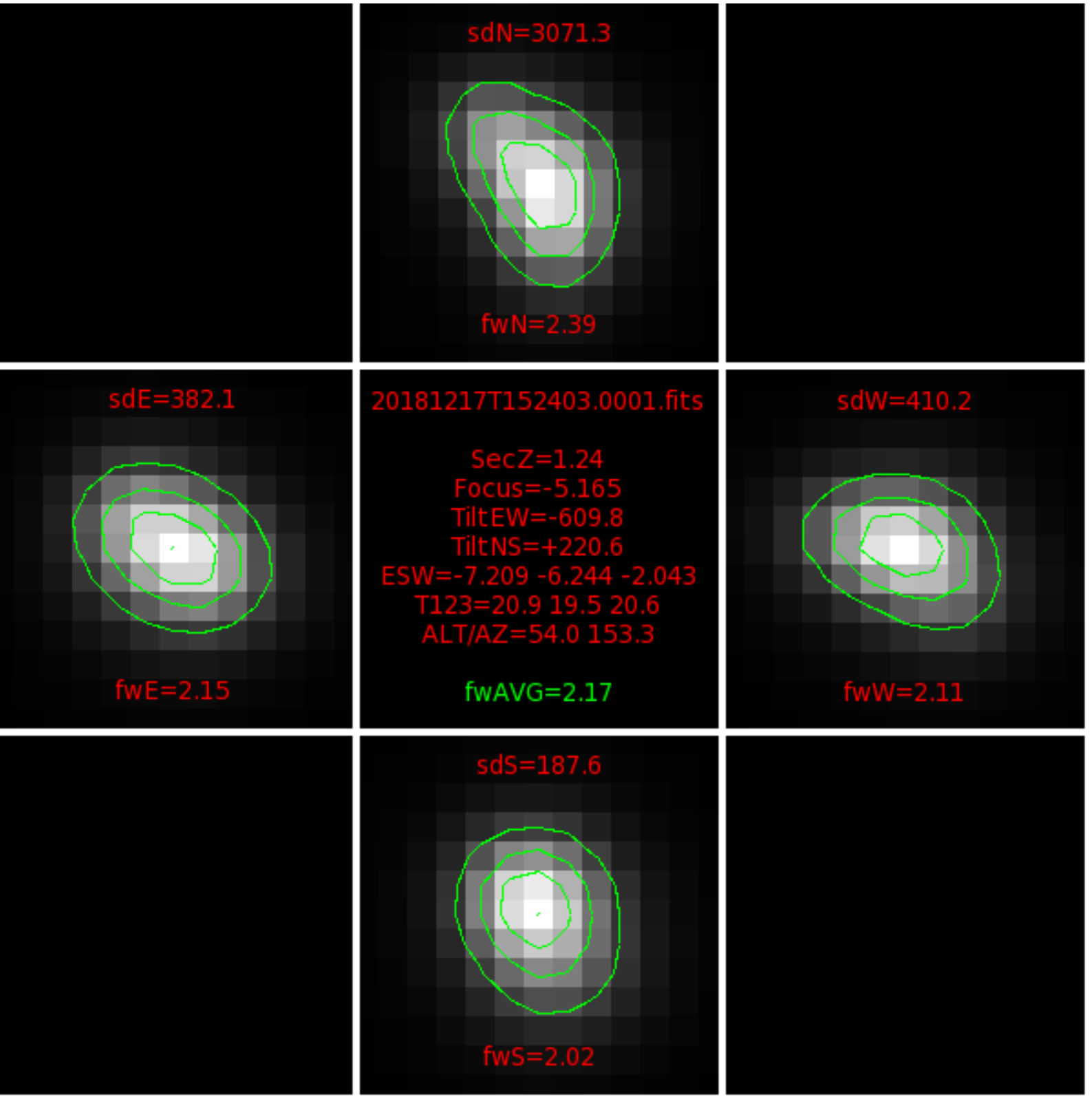
sdN=3071.3
fwN=2.39
sdE=382.1
fwE=2.15
20181217T152403.0001.fits
SecZ=1.24
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.9 19.5 20.6
ALT/AZ=54.0 153.3
fwAVG=2.17
sdW=410.2
fwW=2.11
sdS=187.6
fwS=2.02
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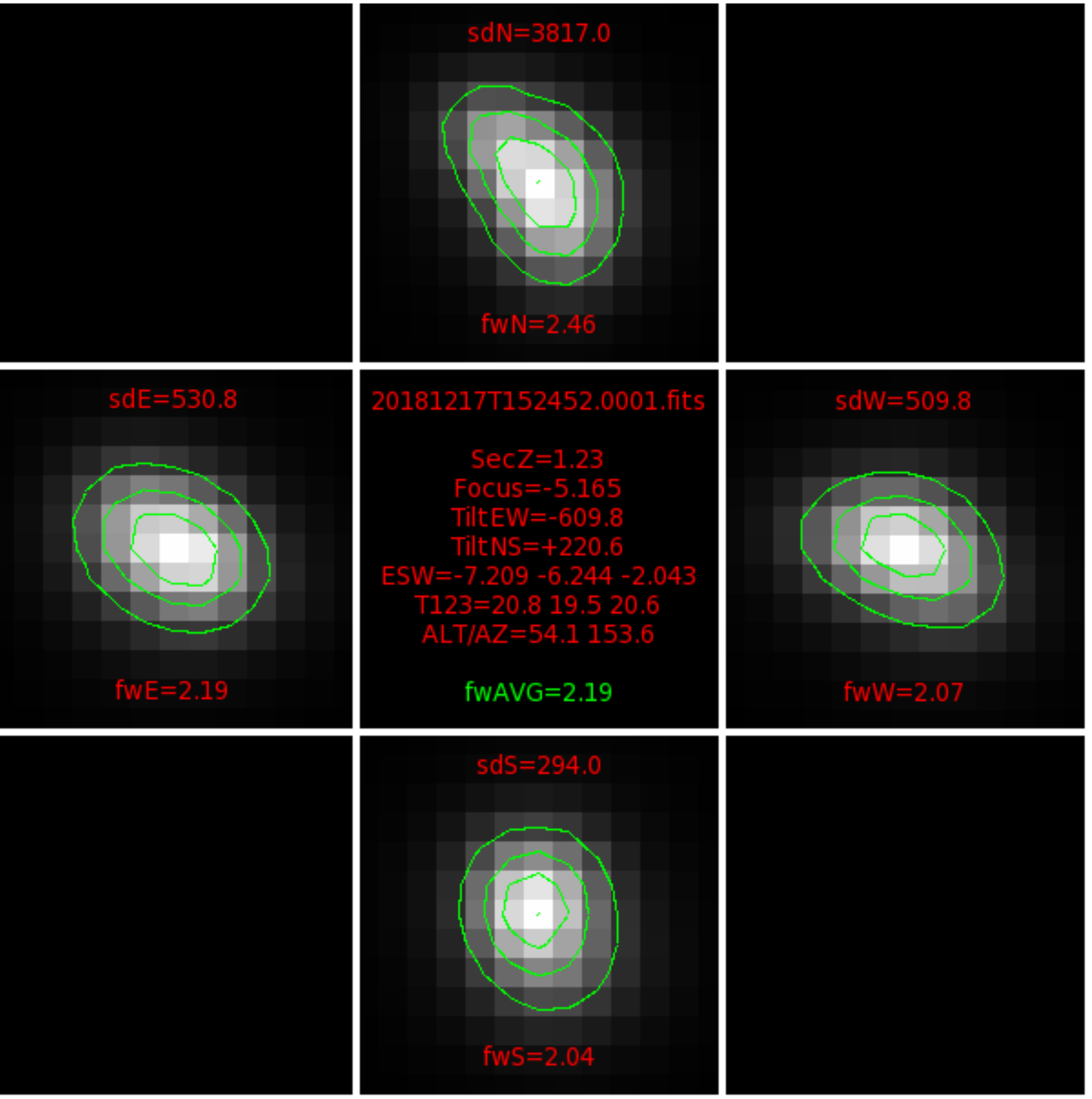
sdN=3817.0
fwN=2.46
sdE=530.8
fwE=2.19
20181217T152452.0001.fits
SecZ=1.23
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 19.5 20.6
ALT/AZ=54.1 153.6
fwAVG=2.19
sdW=509.8
fwW=2.07
sdS=294.0
fwS=2.04
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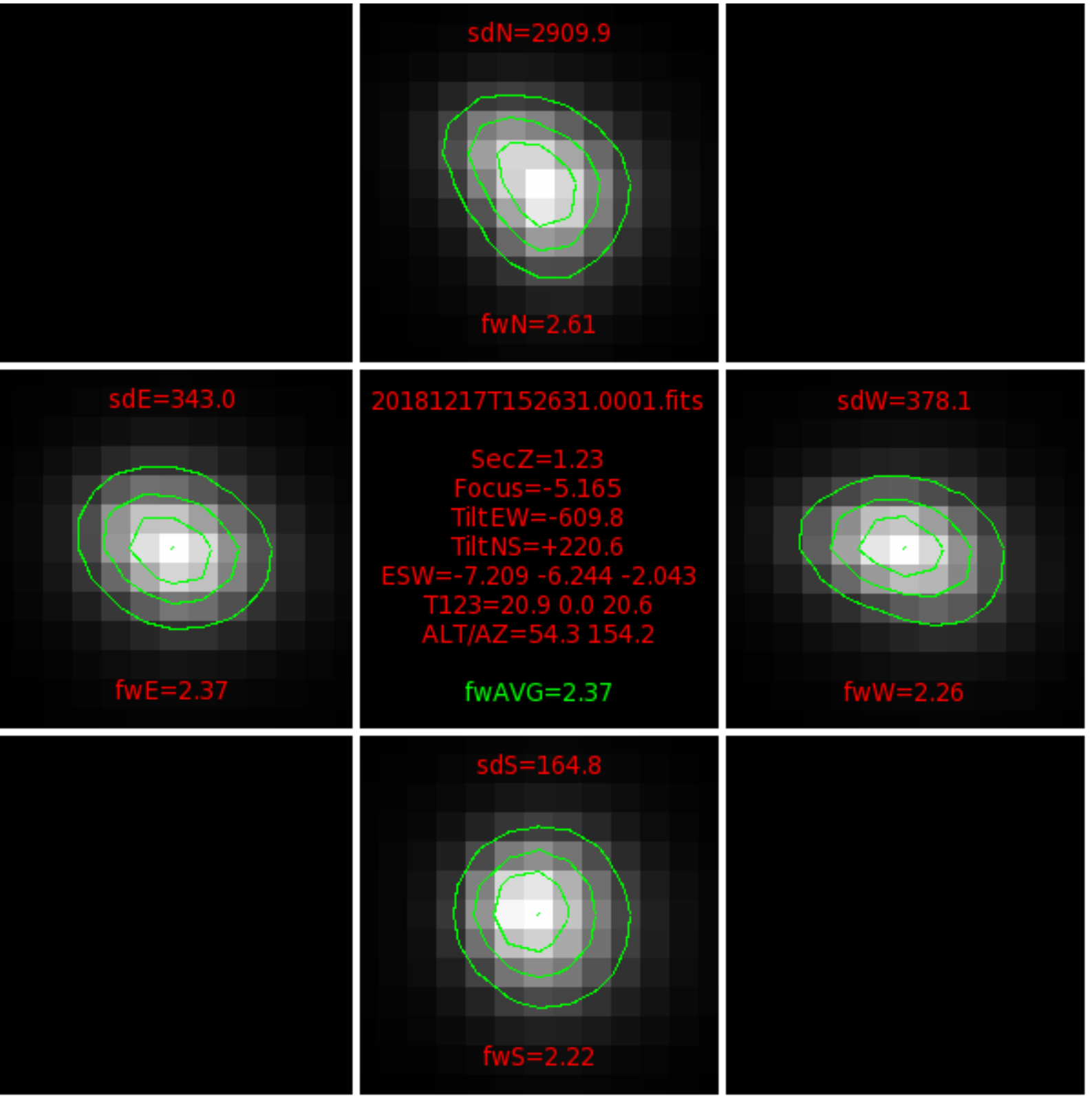
sdN=2909.9
fwN=2.61
sdE=343.0
fwE=2.37
20181217T152631.0001.fits
SecZ=1.23
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.9 0.0 20.6
ALT/AZ=54.3 154.2
fwAVG=2.37
sdW=378.1
fwW=2.26
sdS=164.8
fwS=2.22
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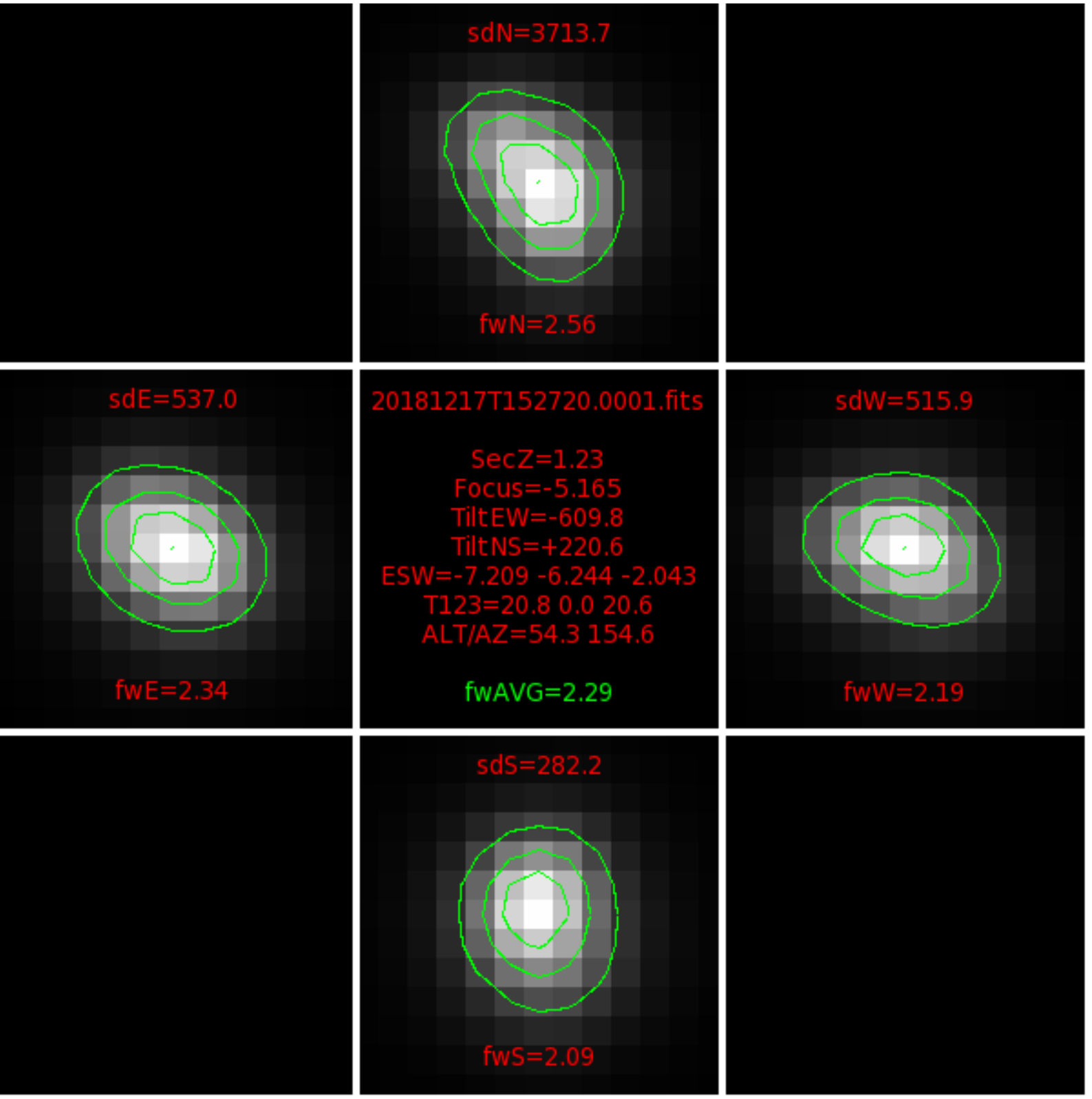
sdN=3713.7
fwN=2.56
sdE=537.0
fwE=2.34
20181217T152720.0001.fits
SecZ=1.23
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 0.0 20.6
ALT/AZ=54.3 154.6
fwAVG=2.29
sdW=515.9
fwW=2.19
sdS=282.2
fwS=2.09
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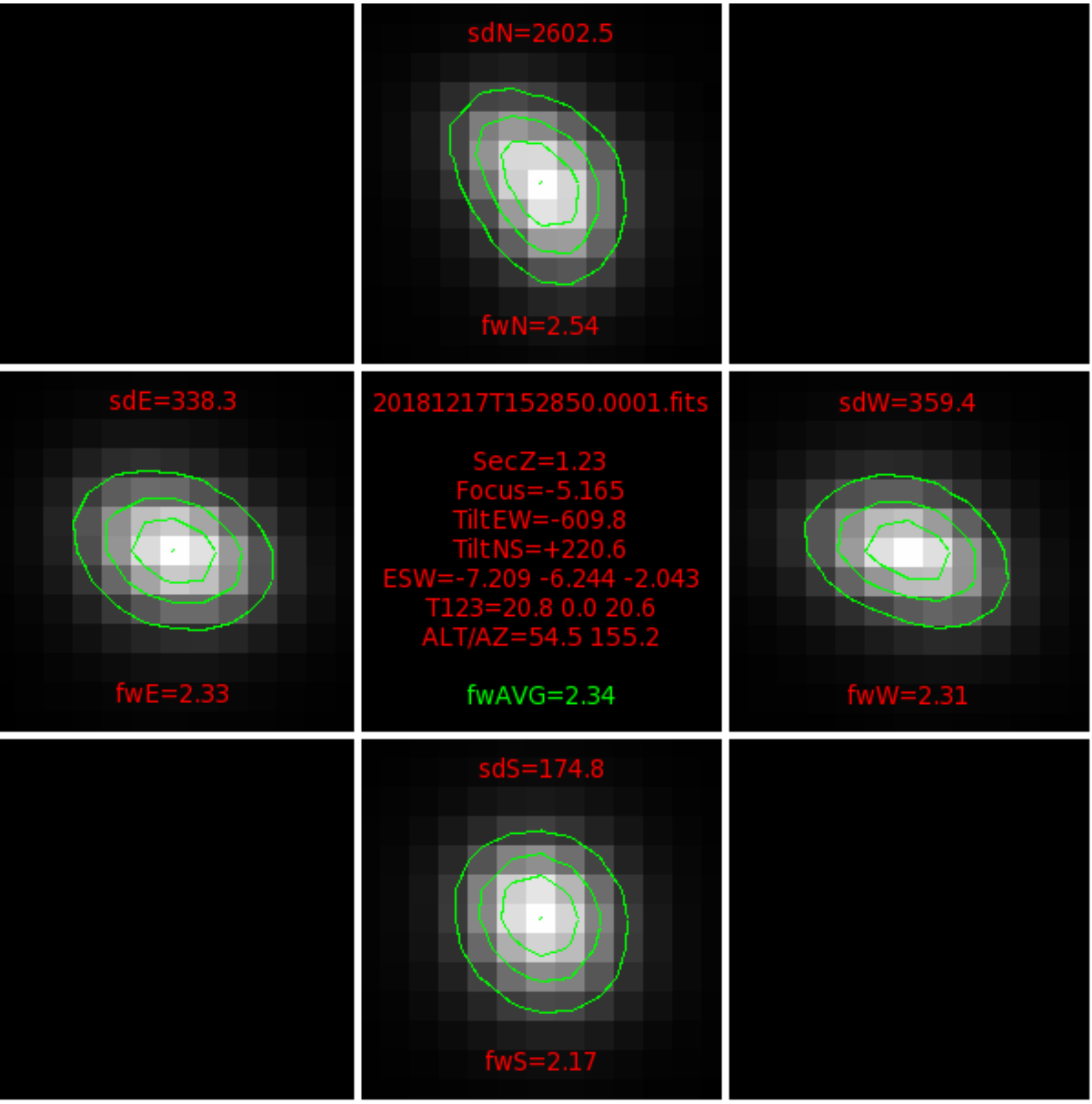
sdN=2602.5
fwN=2.54
sdE=338.3
fwE=2.33
20181217T152850.0001.fits
SecZ=1.23
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 0.0 20.6
ALT/AZ=54.5 155.2
fwAVG=2.34
sdW=359.4
fwW=2.31
sdS=174.8
fwS=2.17
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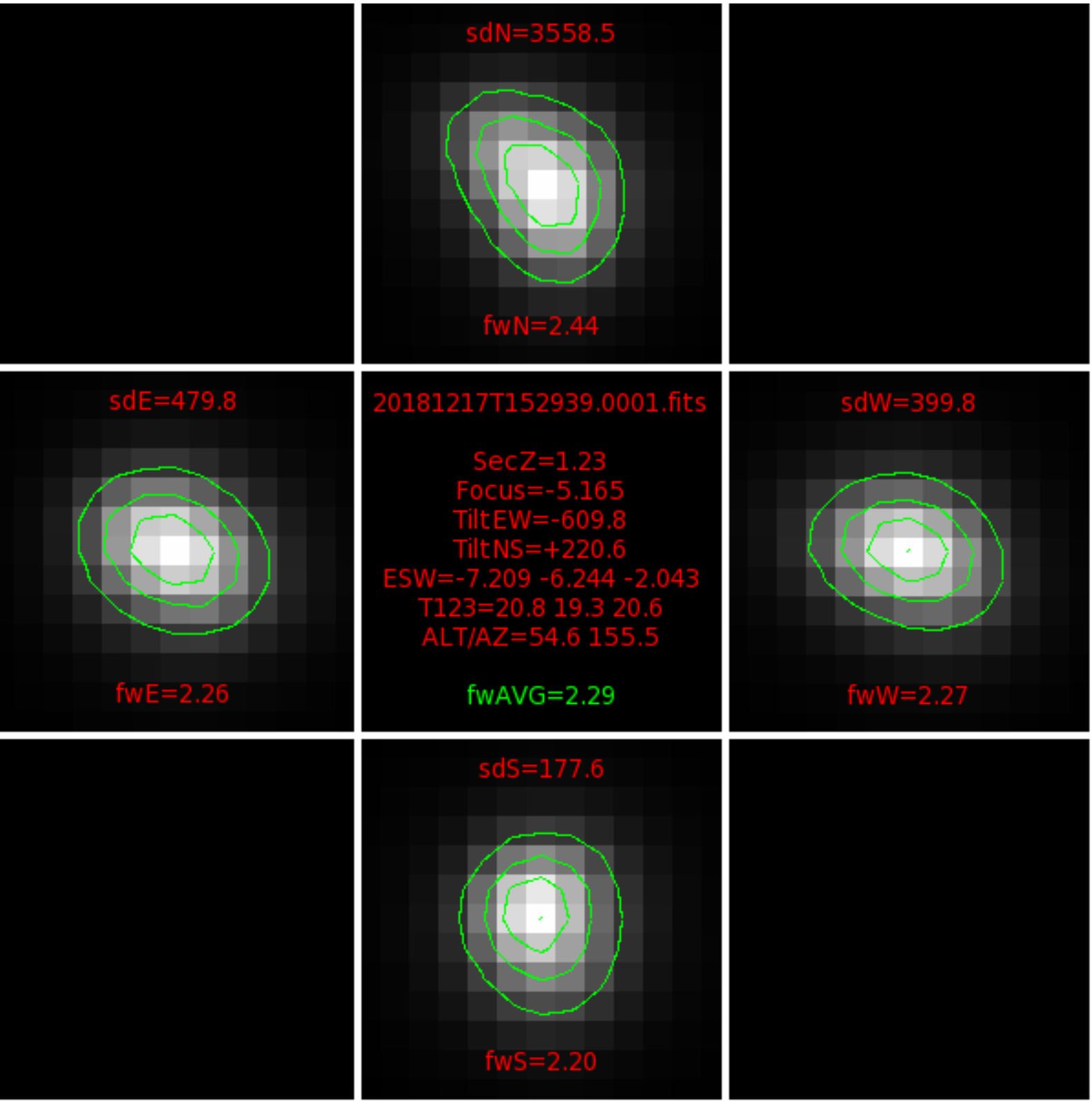
sdN=3558.5
fwN=2.44
sdE=479.8
fwE=2.26
20181217T152939.0001.fits
SecZ=1.23
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 19.3 20.6
ALT/AZ=54.6 155.5
fwAVG=2.29
sdW=399.8
fwW=2.27
sdS=177.6
fwS=2.20
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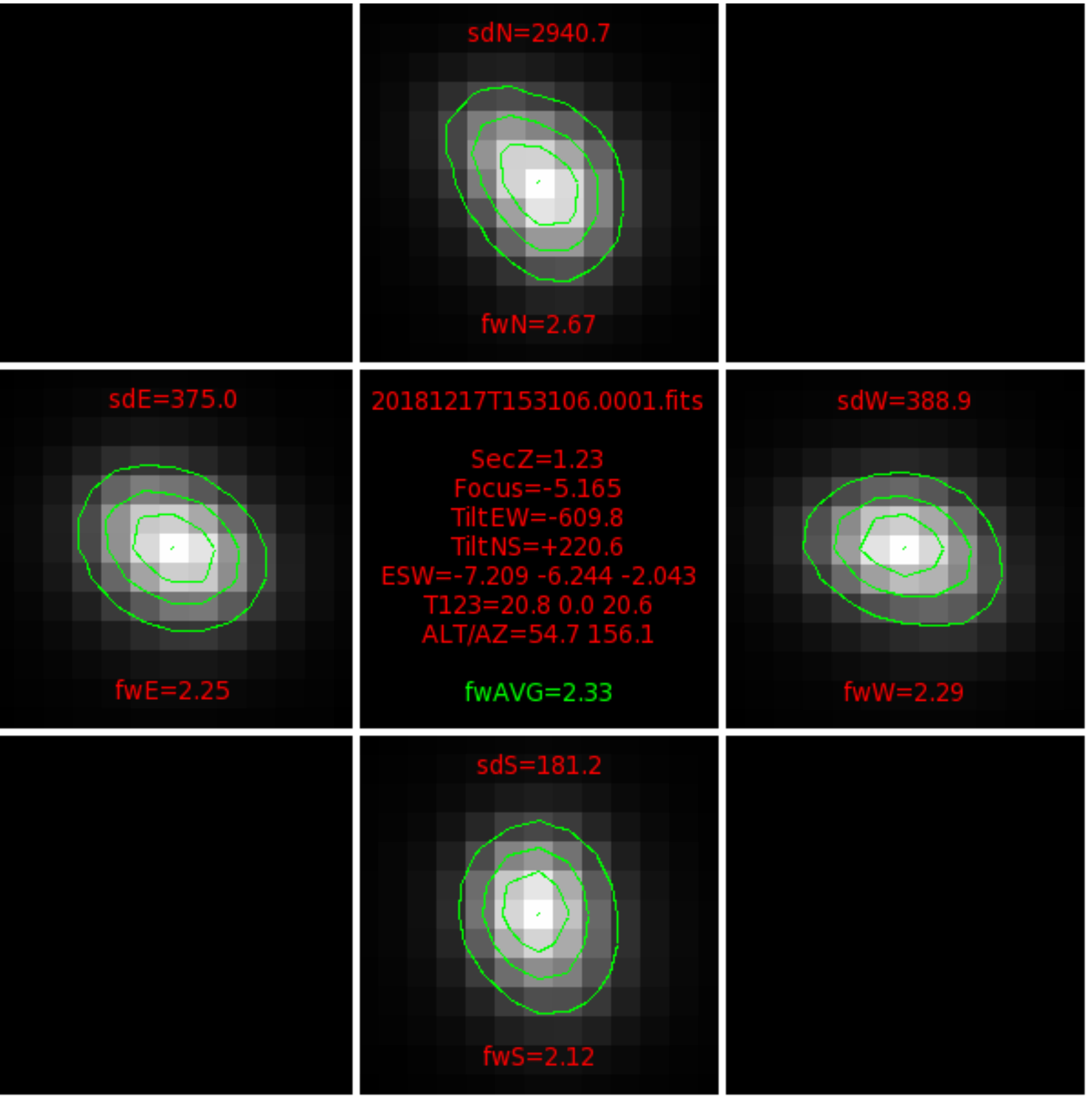
sdN=2940.7
fwN=2.67
sdE=375.0
fwE=2.25
20181217T153106.0001.fits
SecZ=1.23
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 0.0 20.6
ALT/AZ=54.7 156.1
fwAVG=2.33
sdW=388.9
fwW=2.29
sdS=181.2
fwS=2.12
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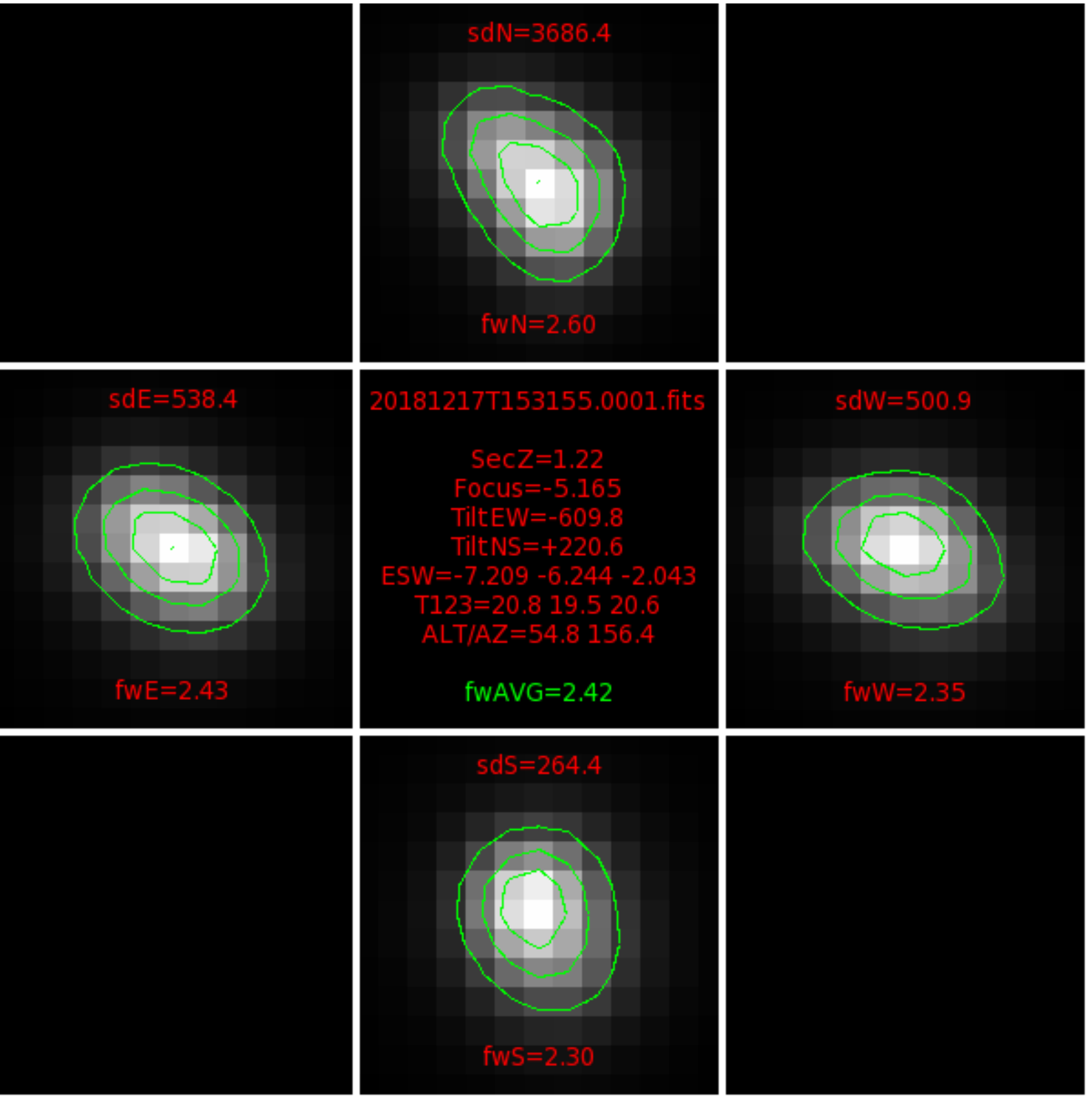
sdN=3686.4
fwN=2.60
sdE=538.4
fwE=2.43
20181217T153155.0001.fits
SecZ=1.22
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 19.5 20.6
ALT/AZ=54.8 156.4
fwAVG=2.42
sdW=500.9
fwW=2.35
sdS=264.4
fwS=2.30
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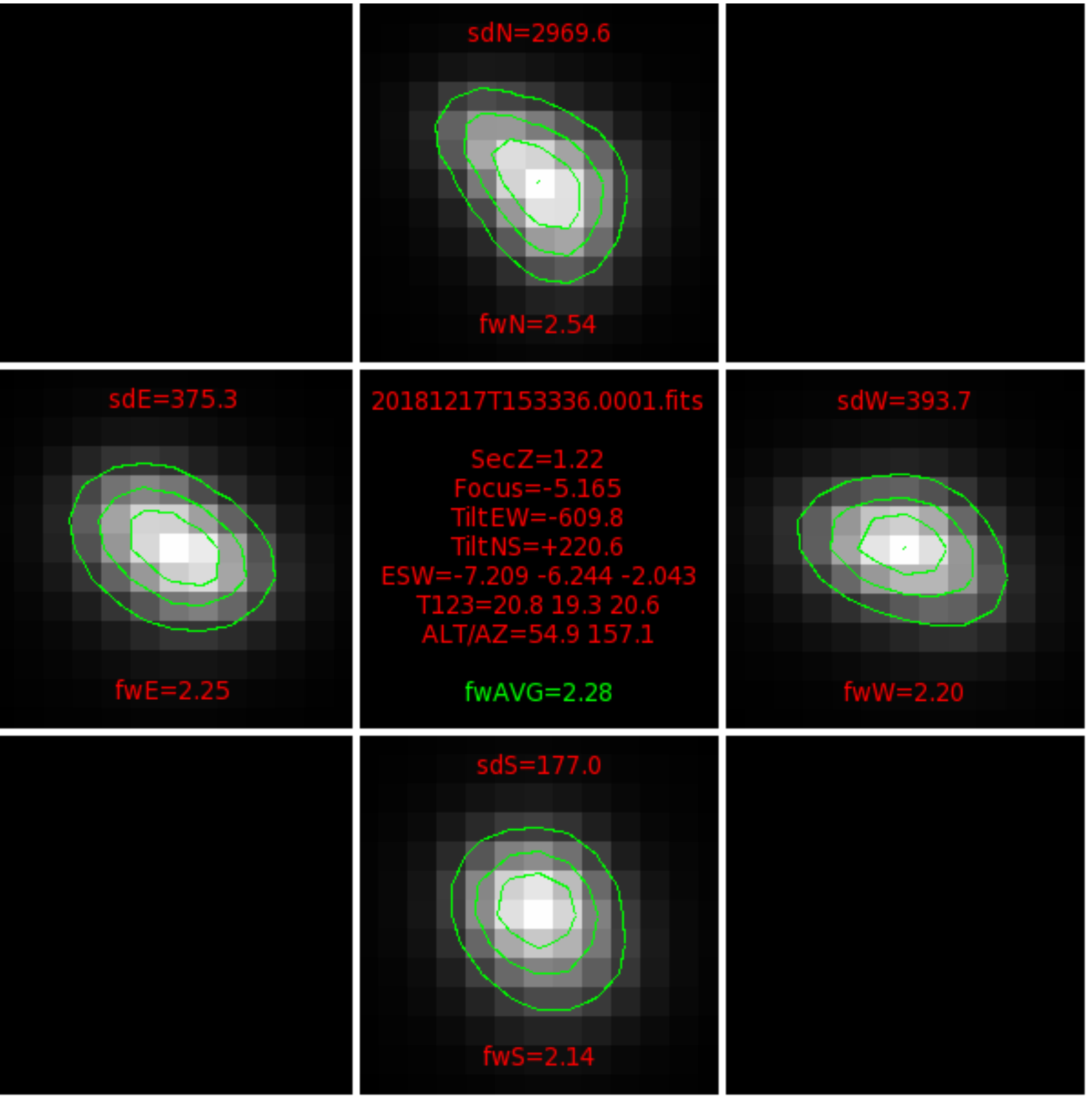
sdN=2969.6
fwN=2.54
sdE=375.3
fwE=2.25
20181217T153336.0001.fits
SecZ=1.22
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 19.3 20.6
ALT/AZ=54.9 157.1
fwAVG=2.28
sdW=393.7
fwW=2.20
sdS=177.0
fwS=2.14
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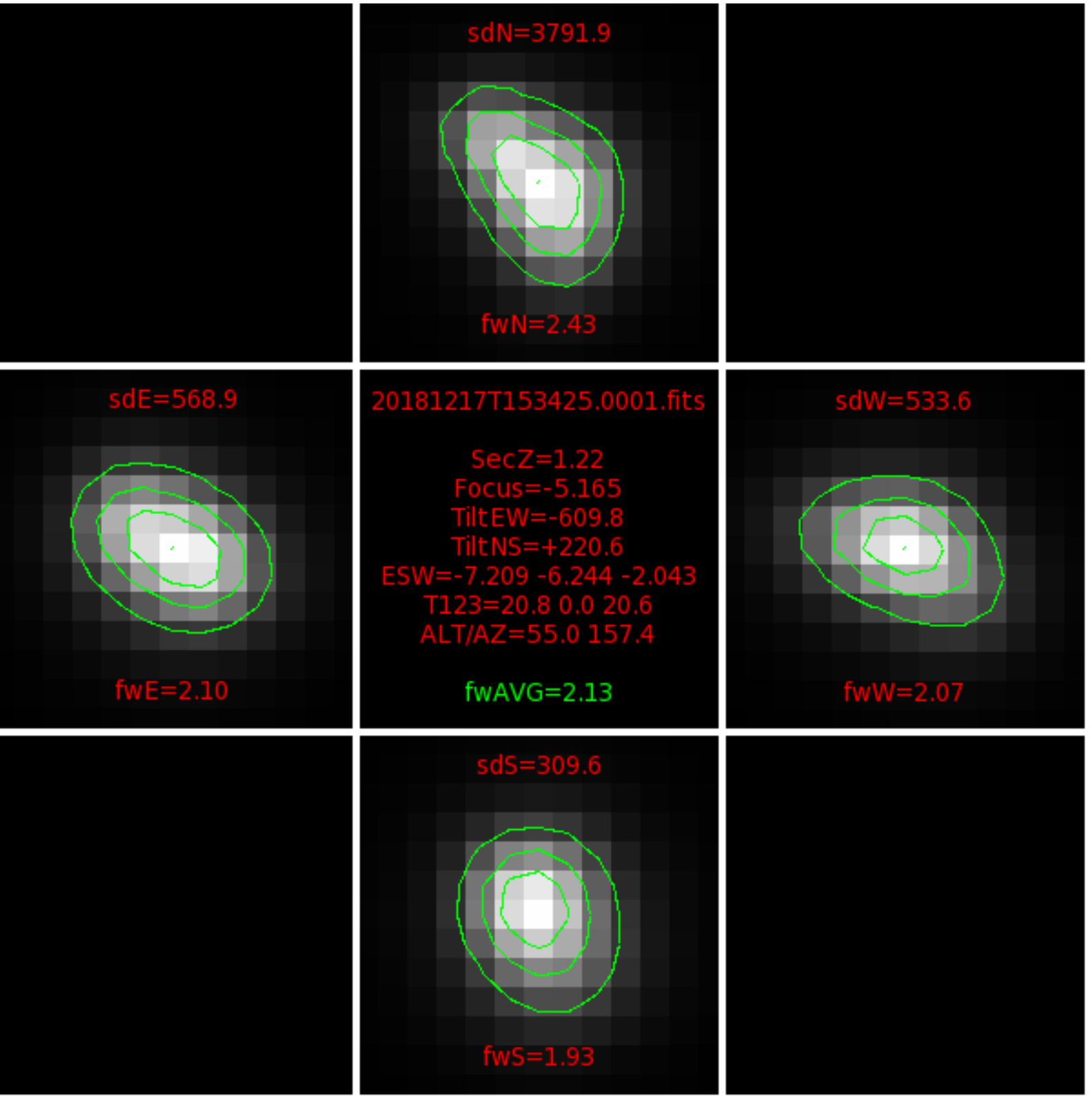
sdN=3791.9
fwN=2.43
sdE=568.9
fwE=2.10
20181217T153425.0001.fits
SecZ=1.22
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 0.0 20.6
ALT/AZ=55.0 157.4
fwAVG=2.13
sdW=533.6
fwW=2.07
sdS=309.6
fwS=1.93
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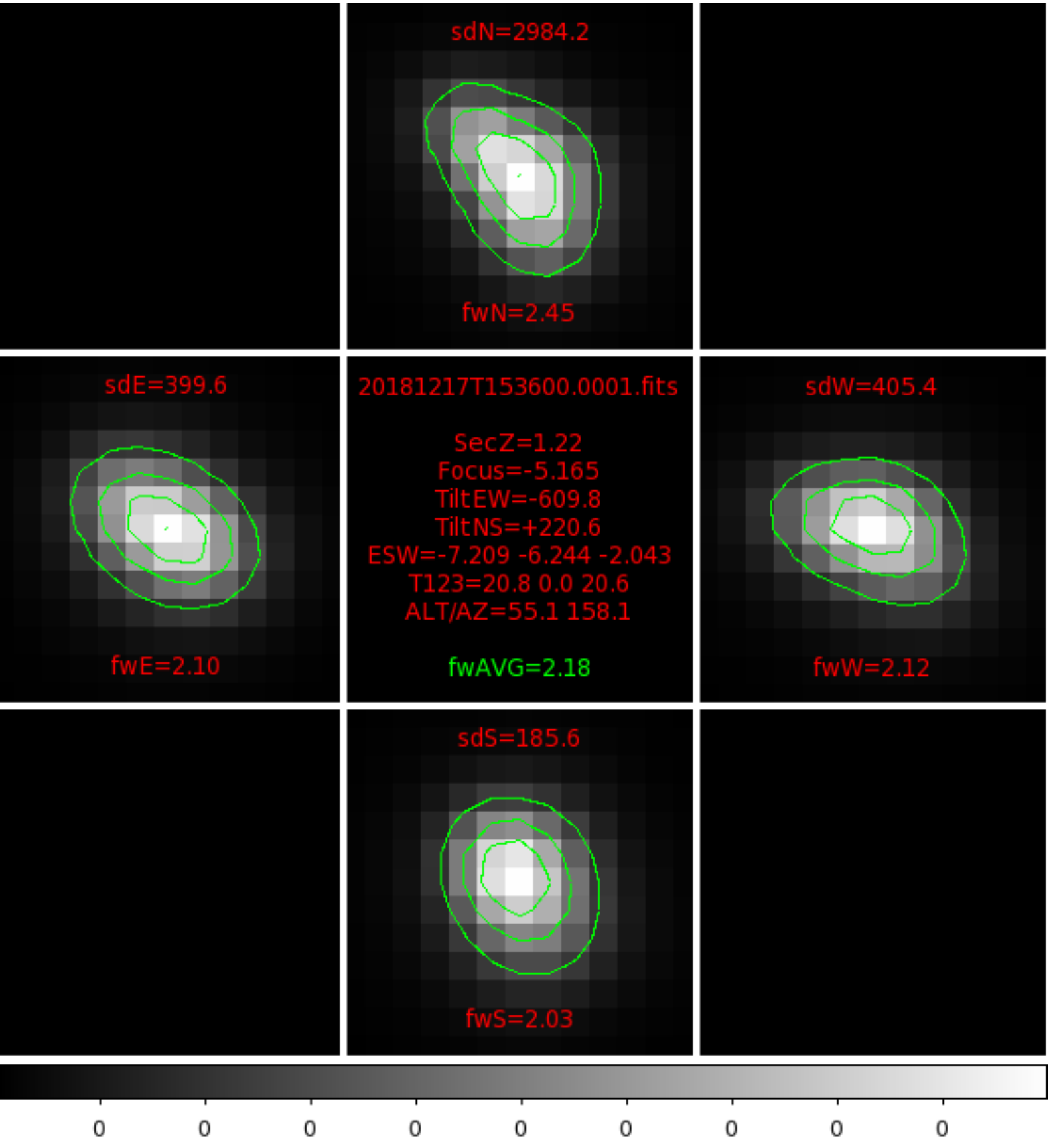
sdN=2984.2
fwN=2.45
sdE=399.6
fwE=2.10
20181217T153600.0001.fits
SecZ=1.22
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 0.0 20.6
ALT/AZ=55.1 158.1
fwAVG=2.18
sdW=405.4
fwW=2.12
sdS=185.6
fwS=2.03
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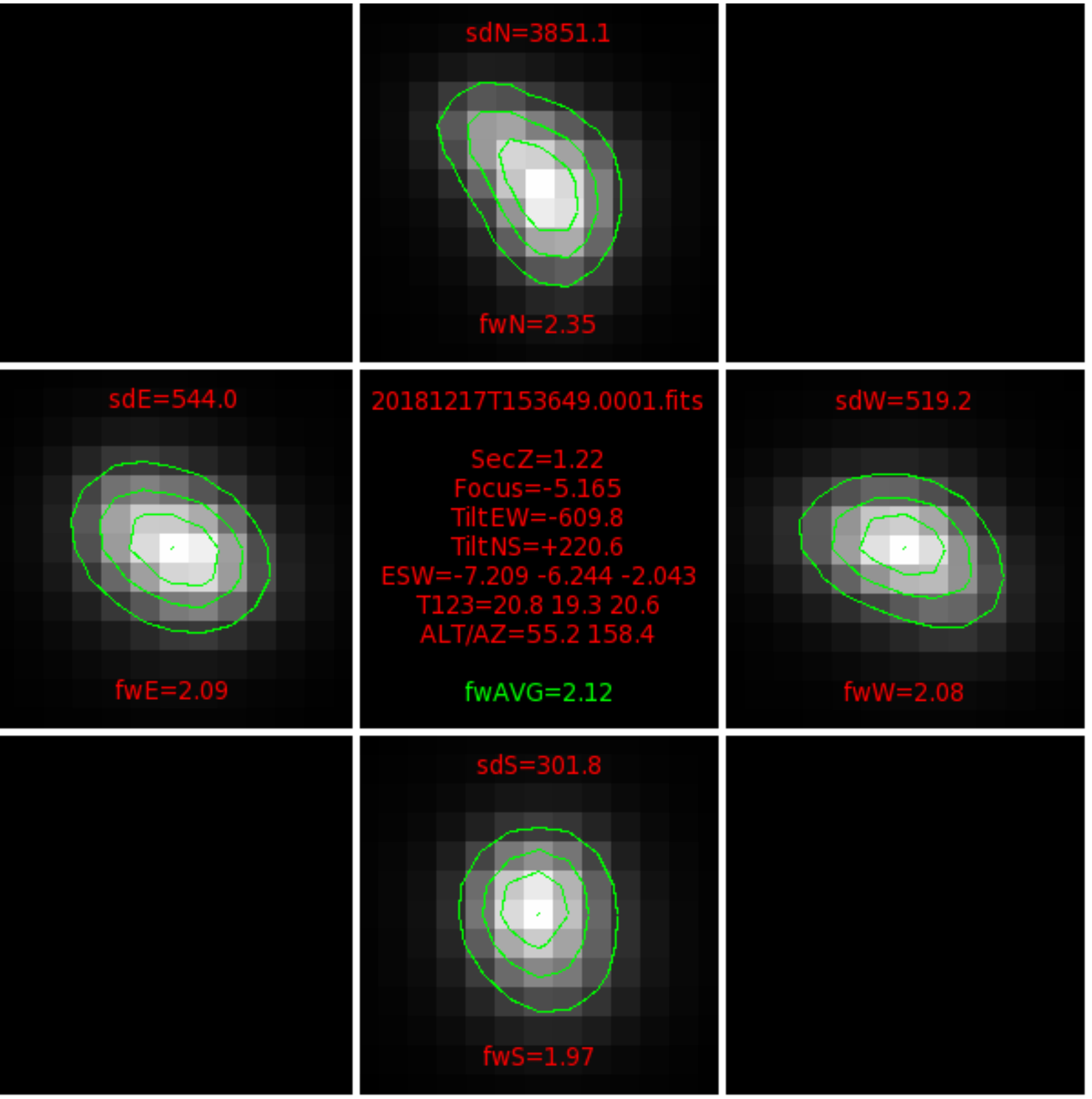
sdN=3851.1
fwN=2.35
sdE=544.0
fwE=2.09
20181217T153649.0001.fits
SecZ=1.22
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 19.3 20.6
ALT/AZ=55.2 158.4
fwAVG=2.12
sdW=519.2
fwW=2.08
sdS=301.8
fwS=1.97
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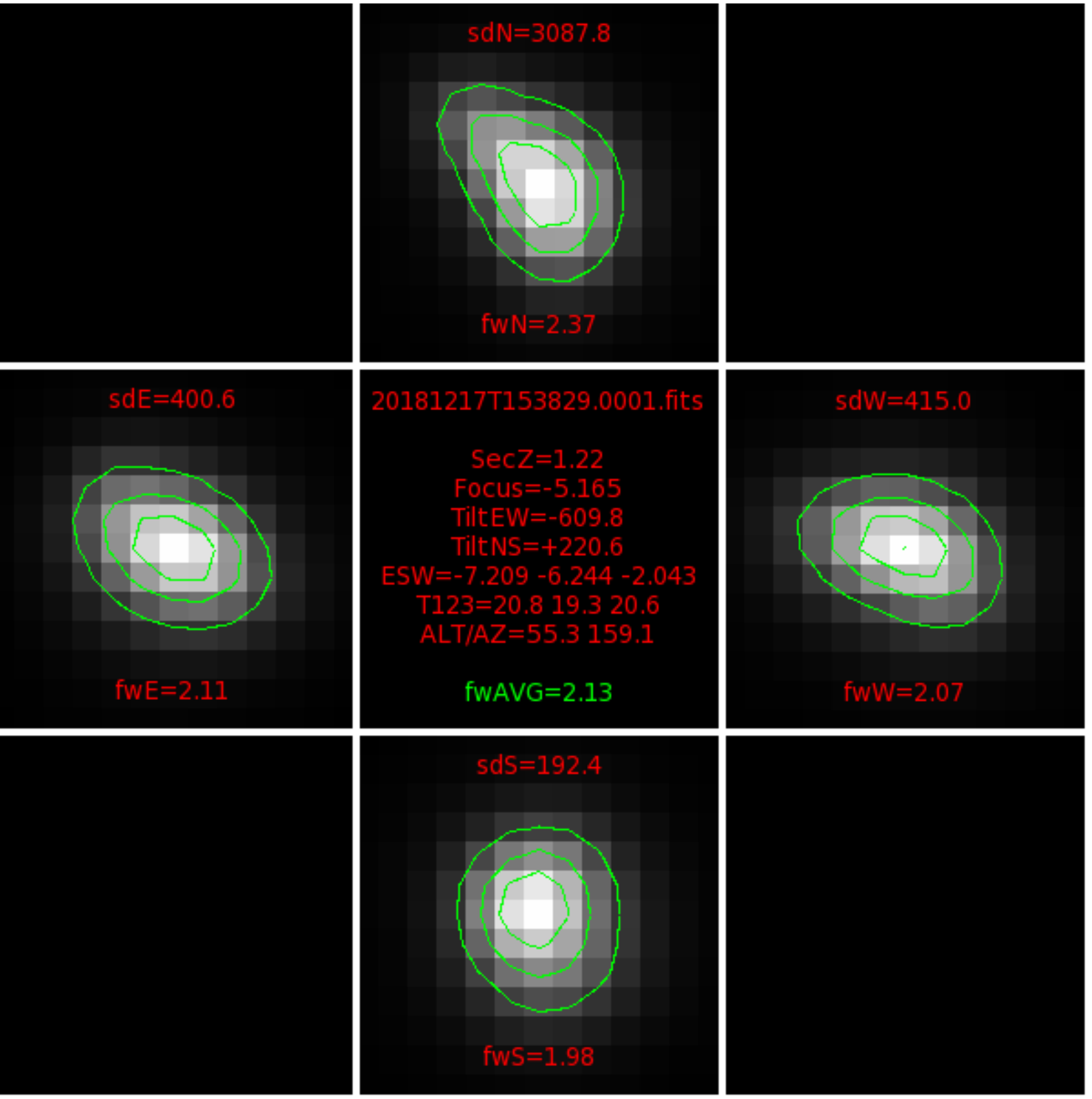
sdN=3087.8
fwN=2.37
sdE=400.6
fwE=2.11
20181217T153829.0001.fits
SecZ=1.22
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 19.3 20.6
ALT/AZ=55.3 159.1
fwAVG=2.13
sdW=415.0
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sdS=192.4
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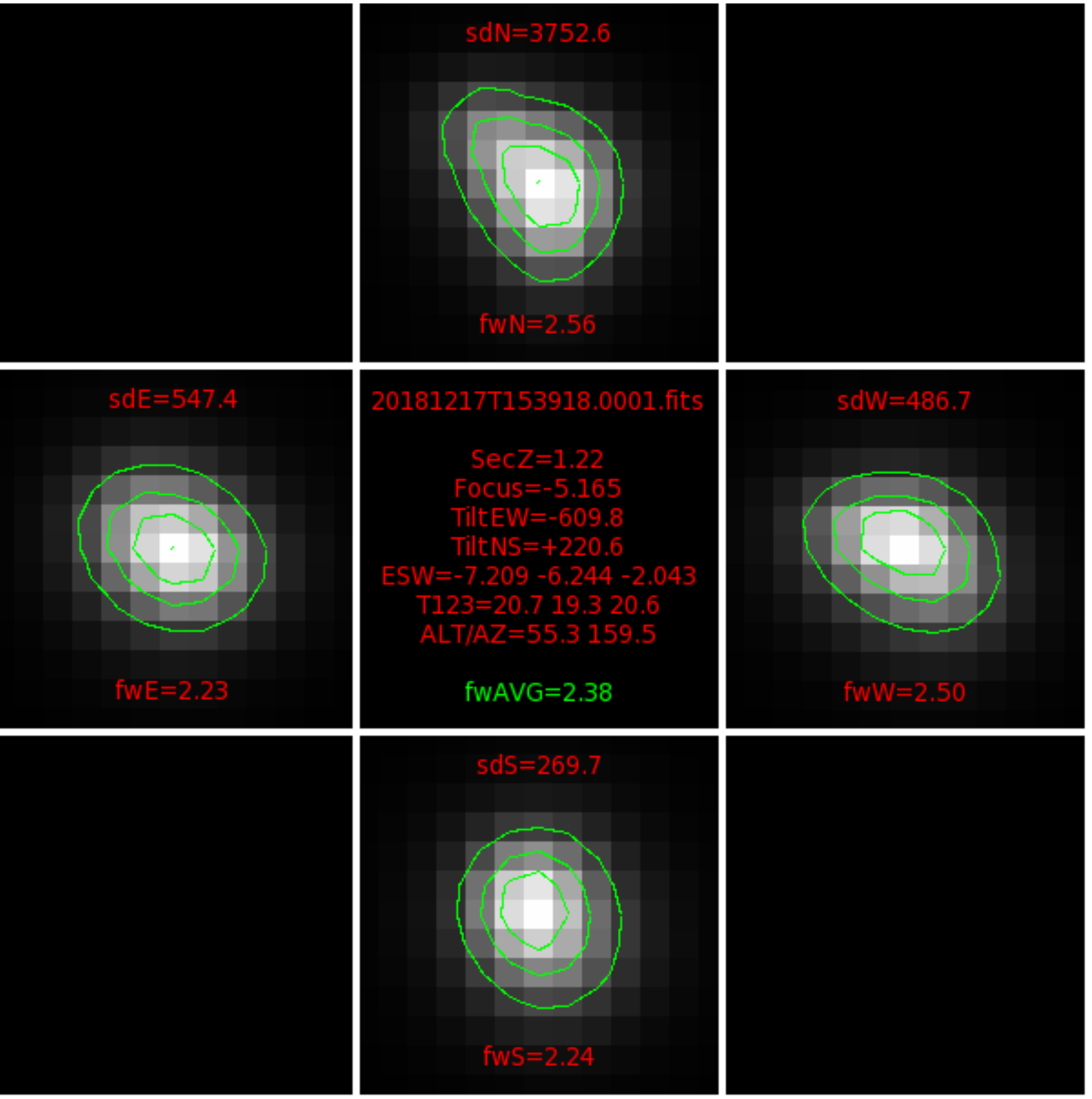
sdN=3752.6
fwN=2.56
sdE=547.4
fwE=2.23
20181217T153918.0001.fits
SecZ=1.22
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.7 19.3 20.6
ALT/AZ=55.3 159.5
fwAVG=2.38
sdW=486.7
fwW=2.50
sdS=269.7
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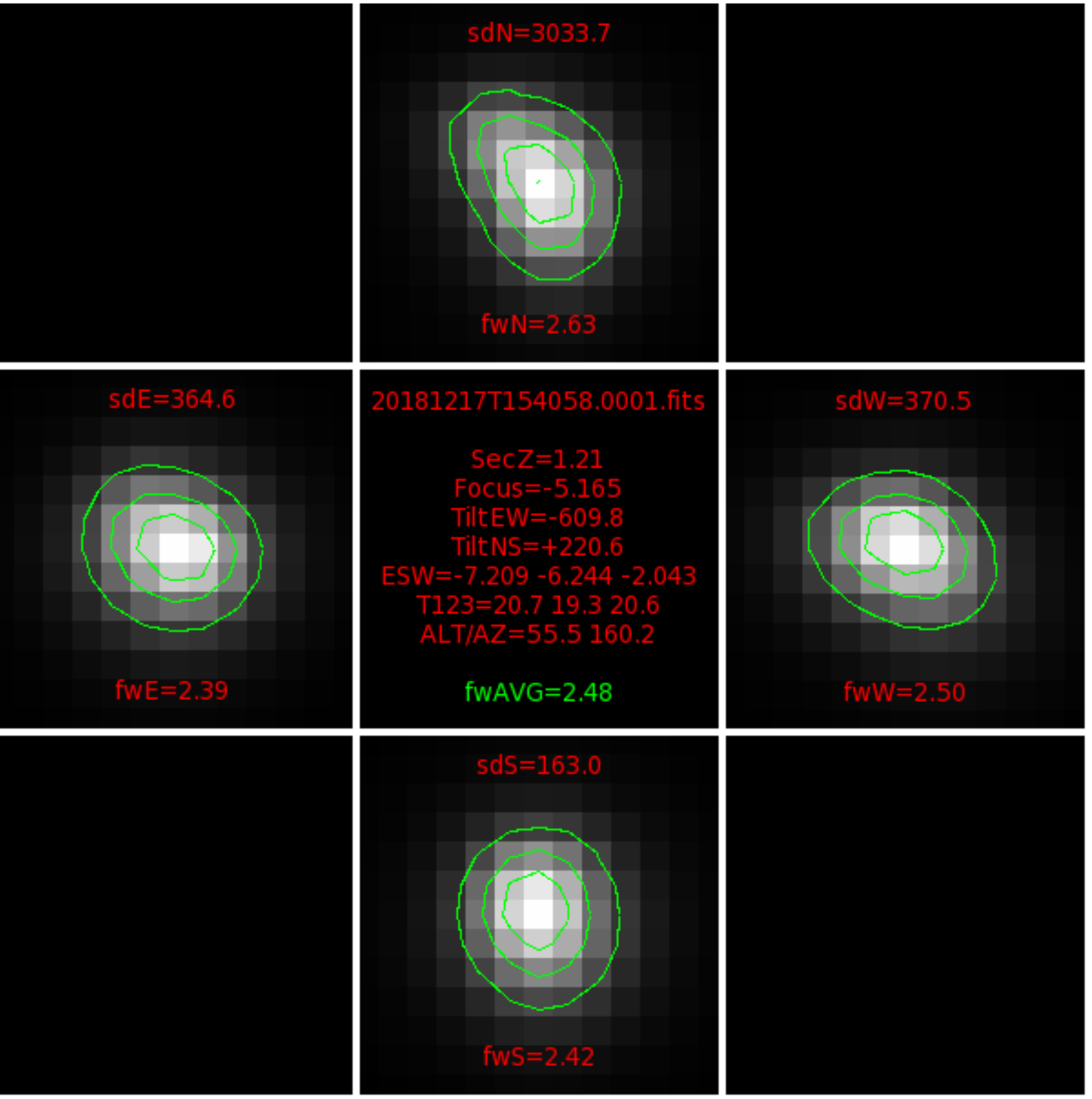
sdN=3033.7
fwN=2.63
sdE=364.6
fwE=2.39
20181217T154058.0001.fits
SecZ=1.21
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.7 19.3 20.6
ALT/AZ=55.5 160.2
fwAVG=2.48
sdW=370.5
fwW=2.50
sdS=163.0
fwS=2.42
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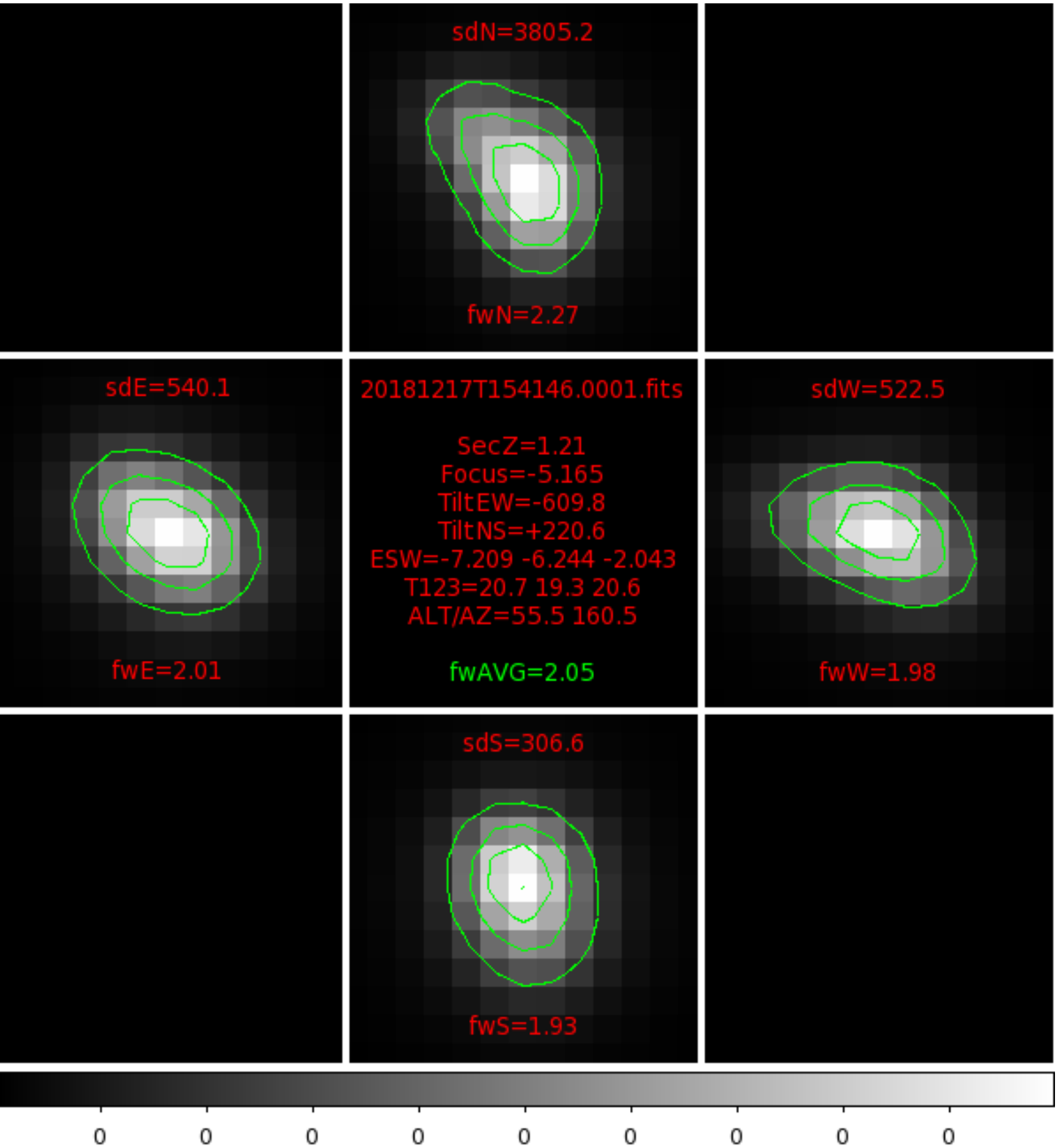
sdN=3805.2
fwN=2.27
sdE=540.1
fwE=2.01
20181217T154146.0001.fits
SecZ=1.21
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.7 19.3 20.6
ALT/AZ=55.5 160.5
fwAVG=2.05
sdW=522.5
fwW=1.98
sdS=306.6
fwS=1.93
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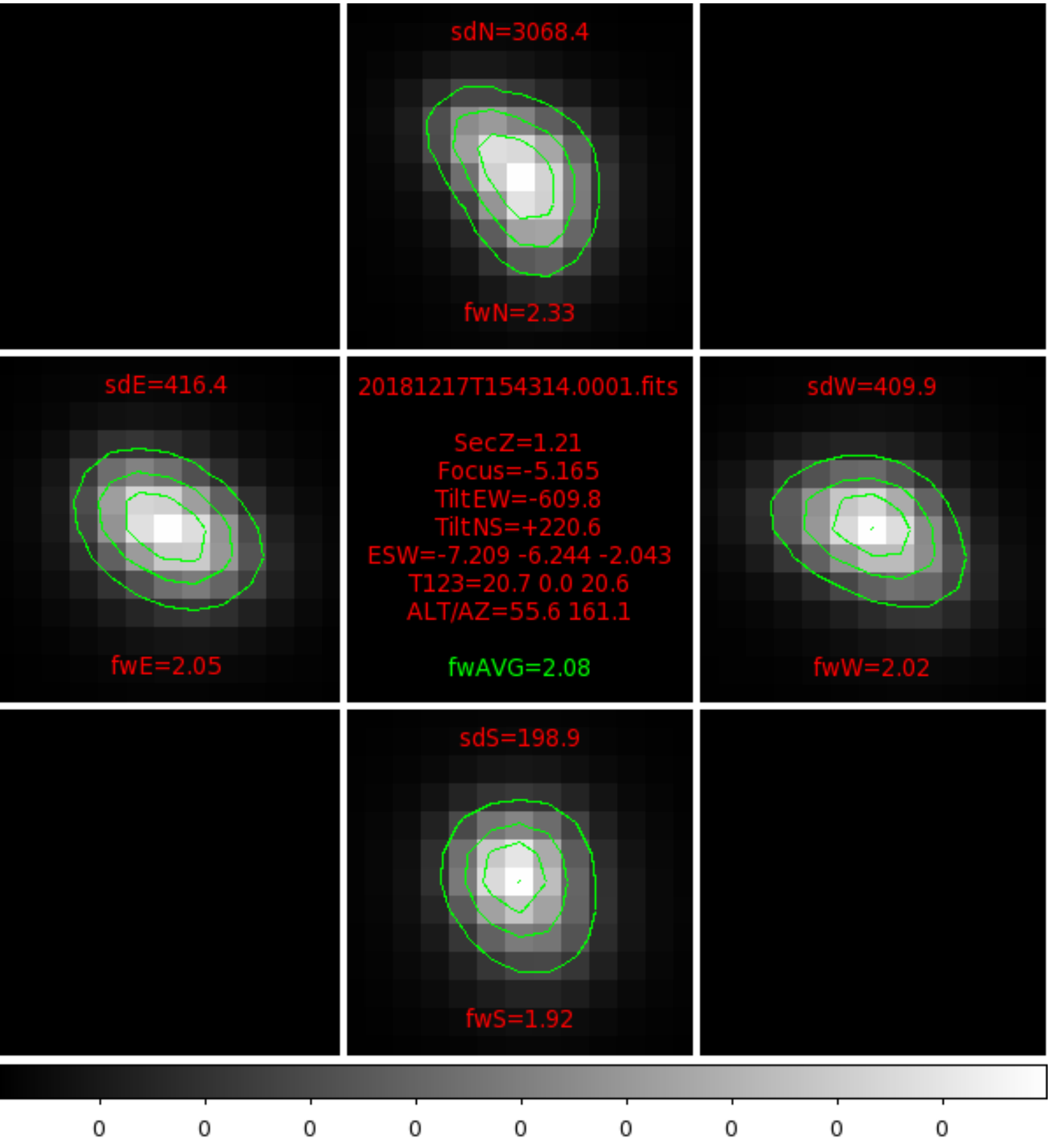
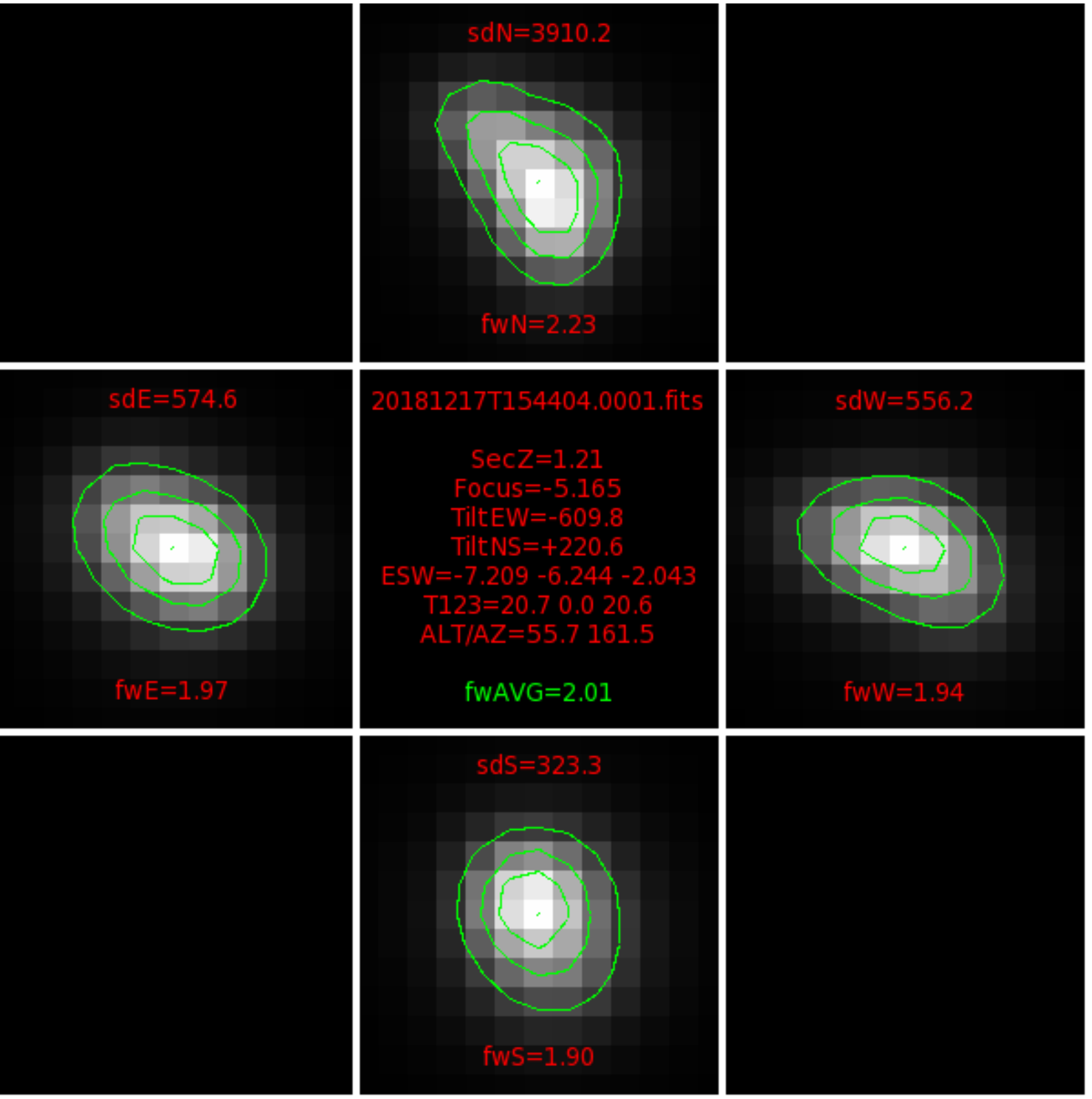

sdN=3068.4
fwN=2.33
sdE=416.4
fwE=2.05
20181217T154314.0001.fits
SecZ=1.21
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.7 0.0 20.6
ALT/AZ=55.6 161.1
fwAVG=2.08
sdW=409.9
fwW=2.02
sdS=198.9
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=3910.2
fwN=2.23
sdE=574.6
fwE=1.97
20181217T154404.0001.fits
SecZ=1.21
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.7 0.0 20.6
ALT/AZ=55.7 161.5
fwAVG=2.01
sdW=556.2
fwW=1.94
sdS=323.3
fwS=1.90
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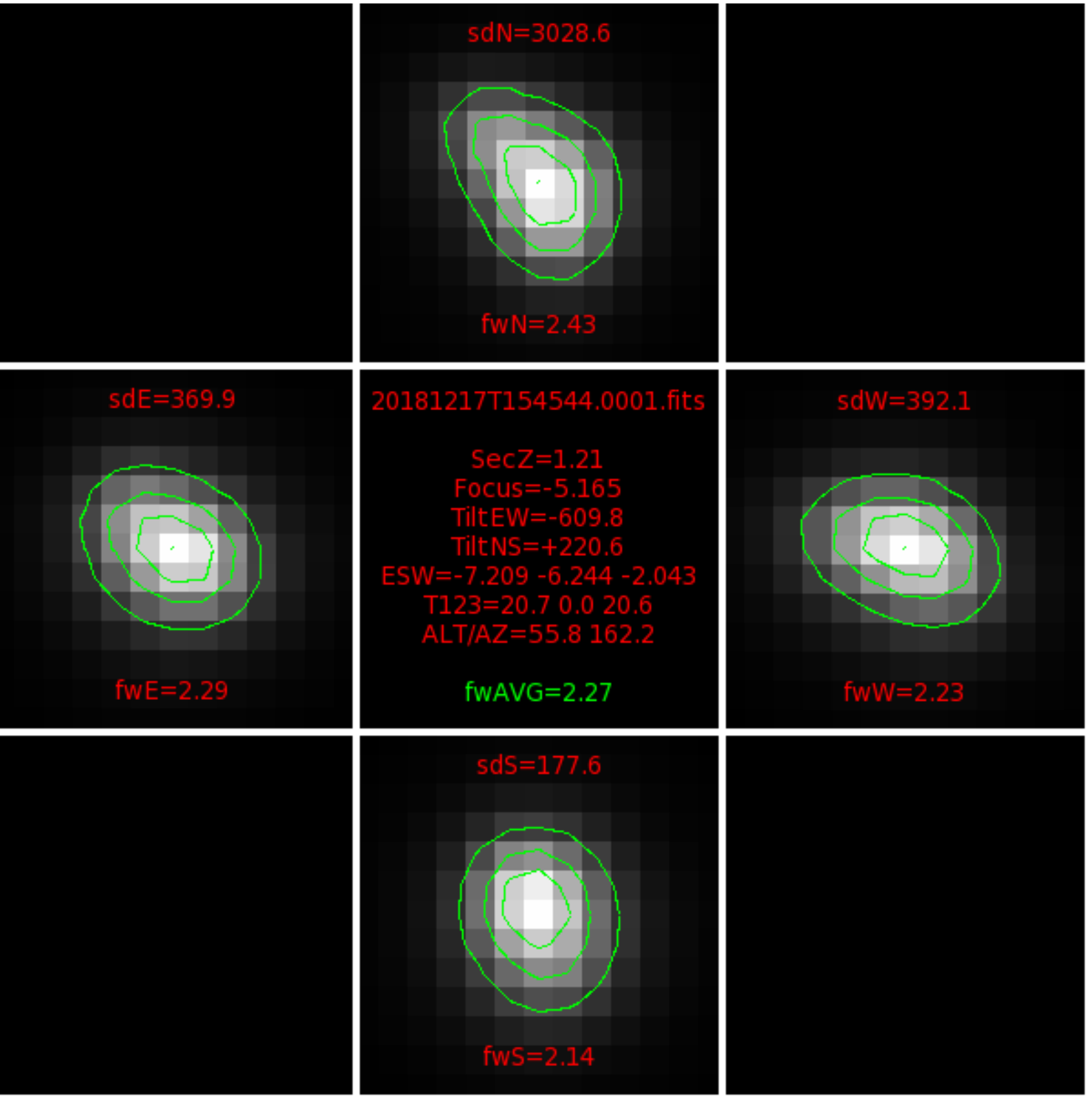
sdN=3028.6
fwN=2.43
sdE=369.9
fwE=2.29
20181217T154544.0001.fits
SecZ=1.21
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.7 0.0 20.6
ALT/AZ=55.8 162.2
fwAVG=2.27
sdW=392.1
fwW=2.23
sdS=177.6
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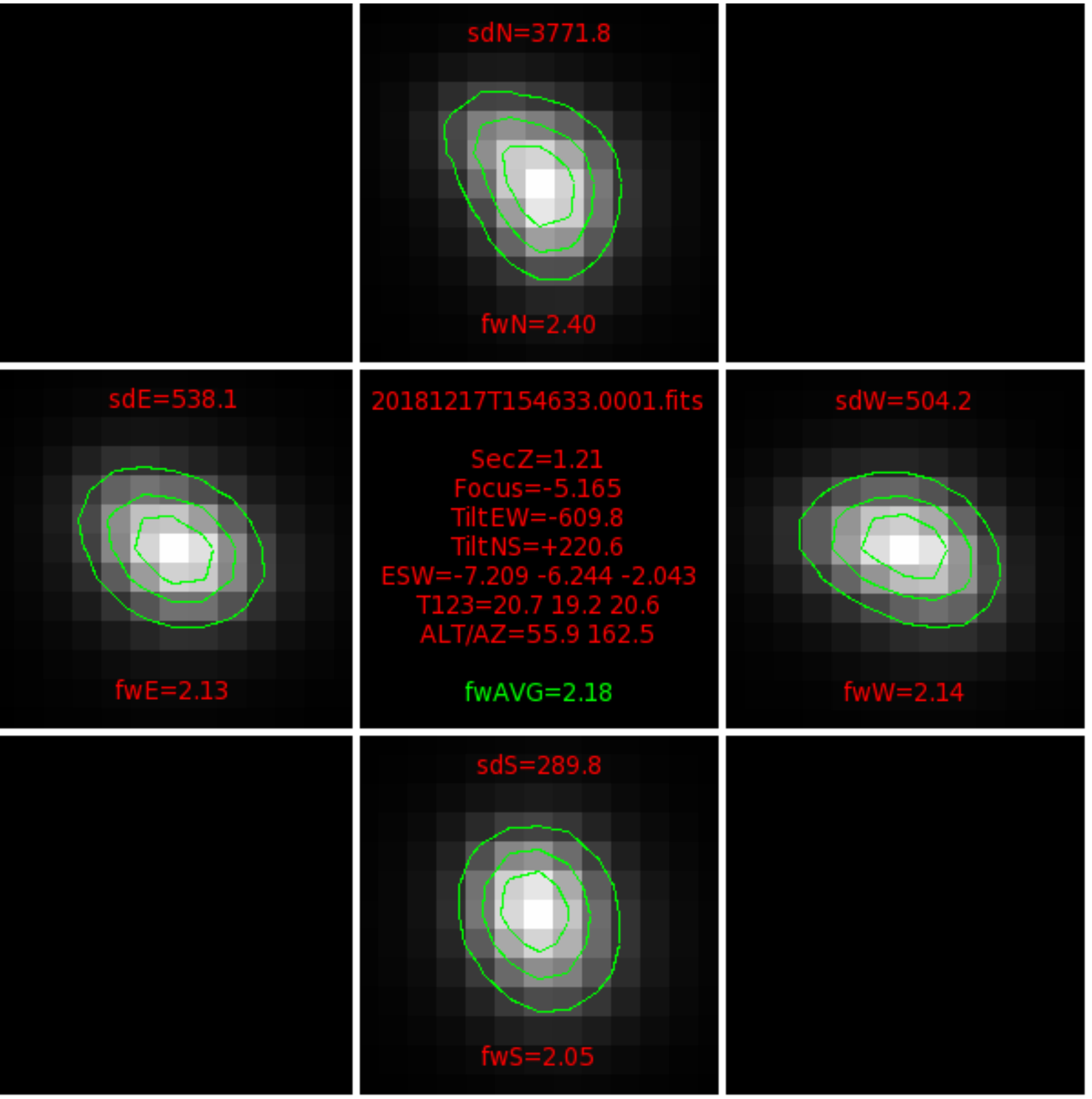
sdN=3771.8
fwN=2.40
sdE=538.1
fwE=2.13
20181217T154633.0001.fits
SecZ=1.21
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.7 19.2 20.6
ALT/AZ=55.9 162.5
fwAVG=2.18
sdW=504.2
fwW=2.14
sdS=289.8
fwS=2.05
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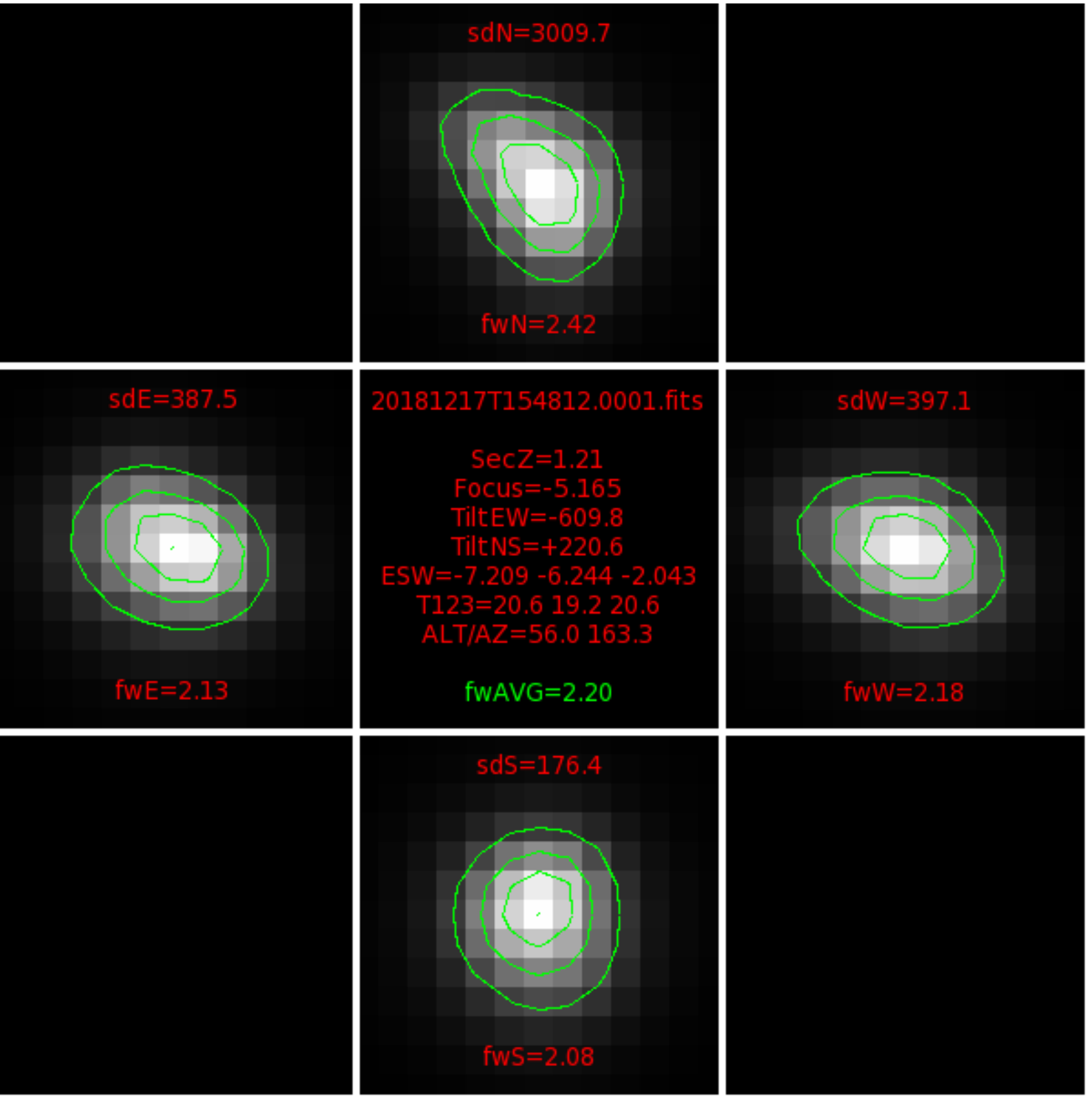
sdN=3009.7
fwN=2.42
sdE=387.5
fwE=2.13
20181217T154812.0001.fits
SecZ=1.21
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 19.2 20.6
ALT/AZ=56.0 163.3
fwAVG=2.20
sdW=397.1
fwW=2.18
sdS=176.4
fwS=2.08
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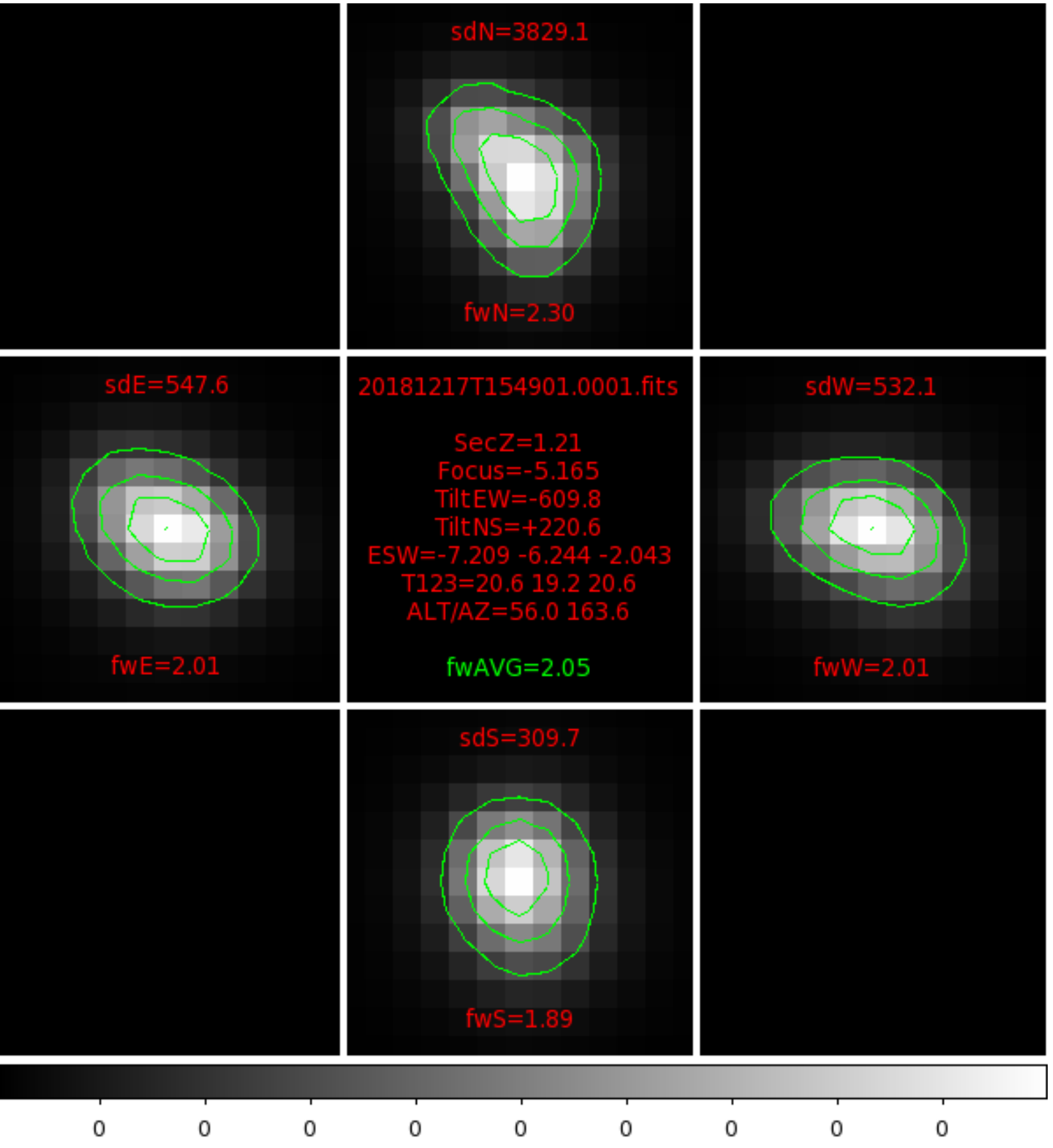
sdN=3829.1
fwN=2.30
sdE=547.6
fwE=2.01
20181217T154901.0001.fits
SecZ=1.21
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 19.2 20.6
ALT/AZ=56.0 163.6
fwAVG=2.05
sdW=532.1
fwW=2.01
sdS=309.7
fwS=1.89
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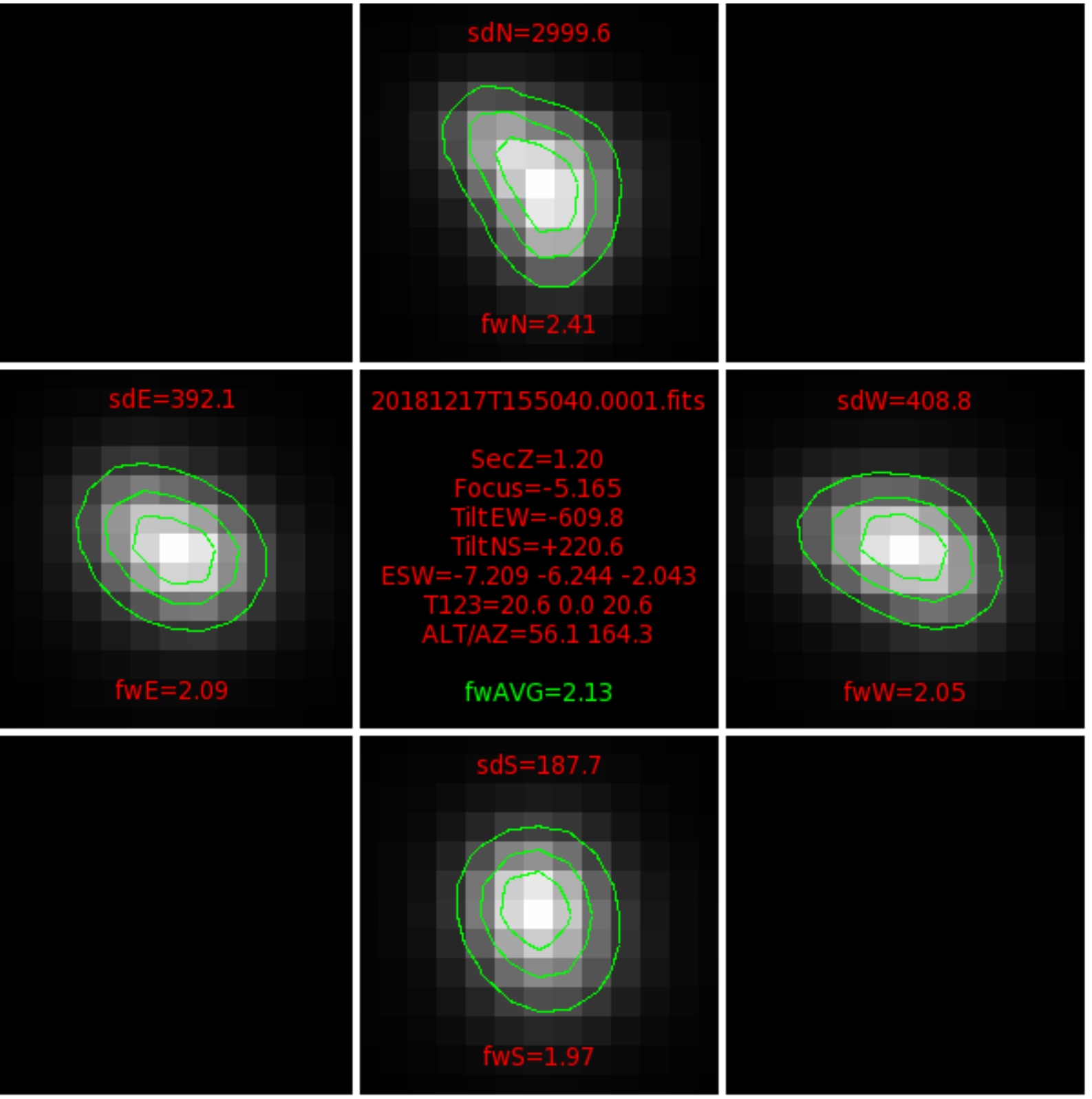
sdN=2999.6
fwN=2.41
sdE=392.1
fwE=2.09
20181217T155040.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 0.0 20.6
ALT/AZ=56.1 164.3
fwAVG=2.13
sdW=408.8
fwW=2.05
sdS=187.7
fwS=1.97
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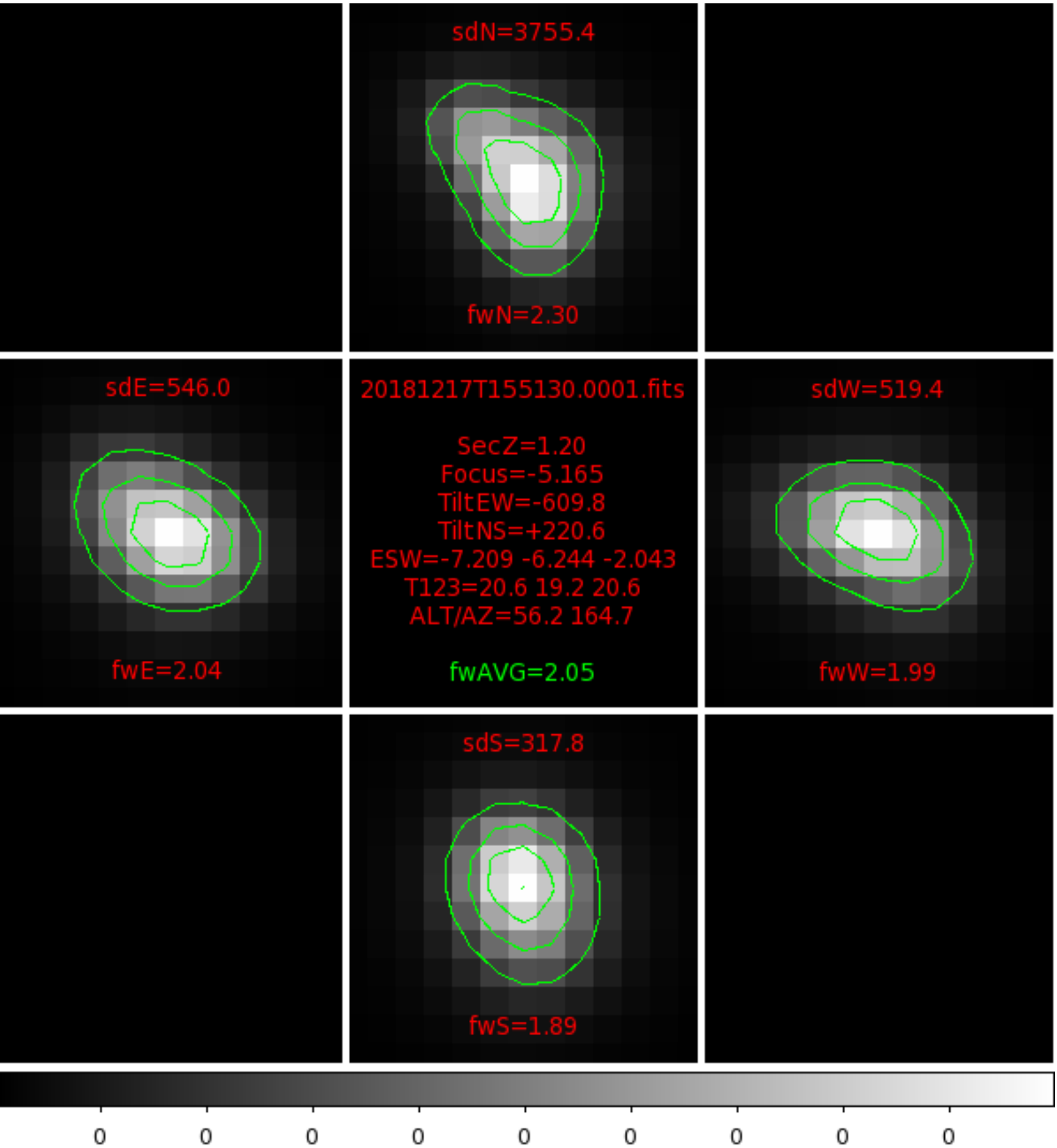
sdN=3755.4
fwN=2.30
sdE=546.0
fwE=2.04
20181217T155130.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 19.2 20.6
ALT/AZ=56.2 164.7
fwAVG=2.05
sdW=519.4
fwW=1.99
sdS=317.8
fwS=1.89
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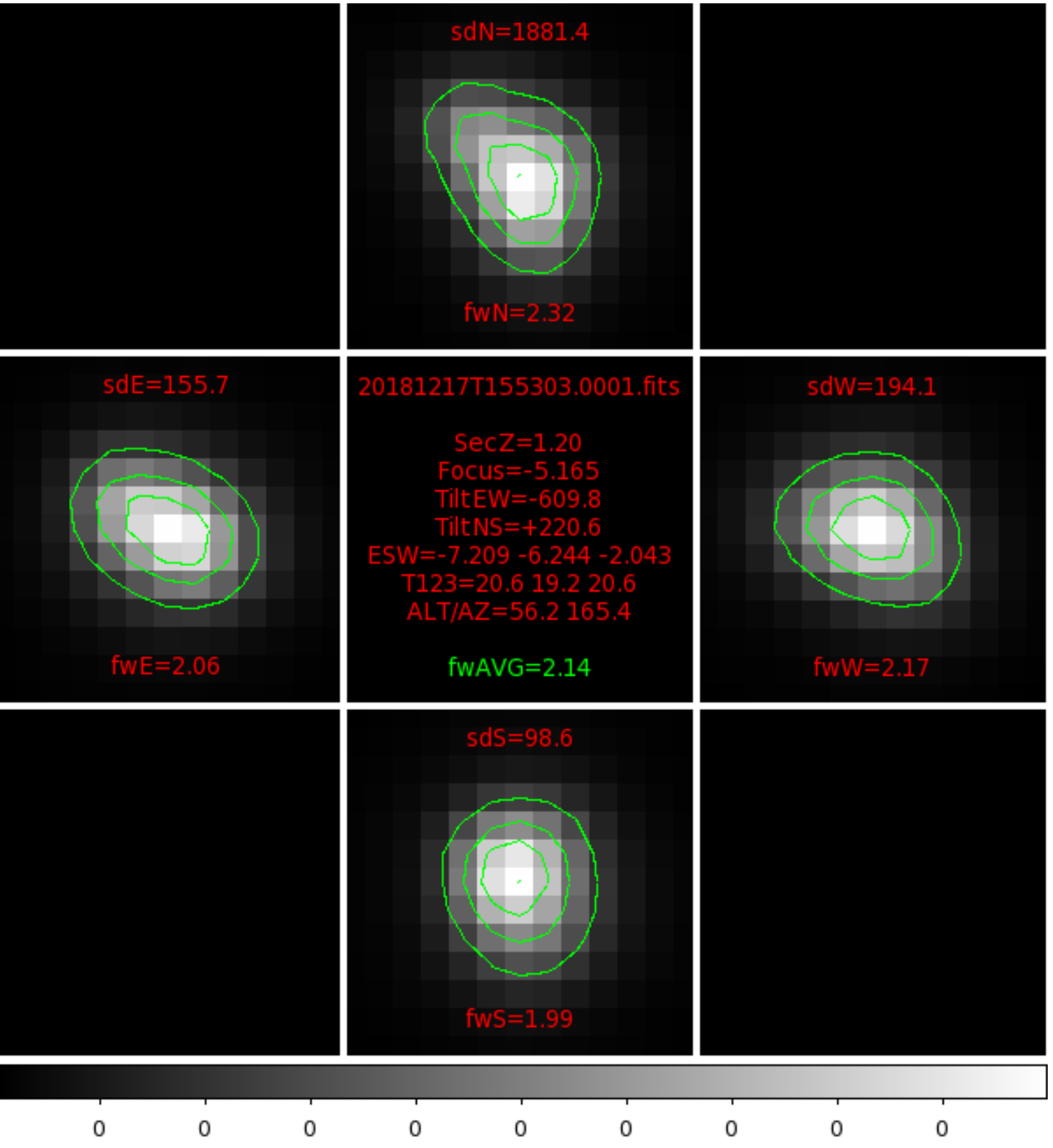
sdN=1881.4
fwN=2.32
sdE=155.7
fwE=2.06
20181217T155303.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 19.2 20.6
ALT/AZ=56.2 165.4
fwAVG=2.14
sdW=194.1
fwW=2.17
sdS=98.6
fwS=1.99
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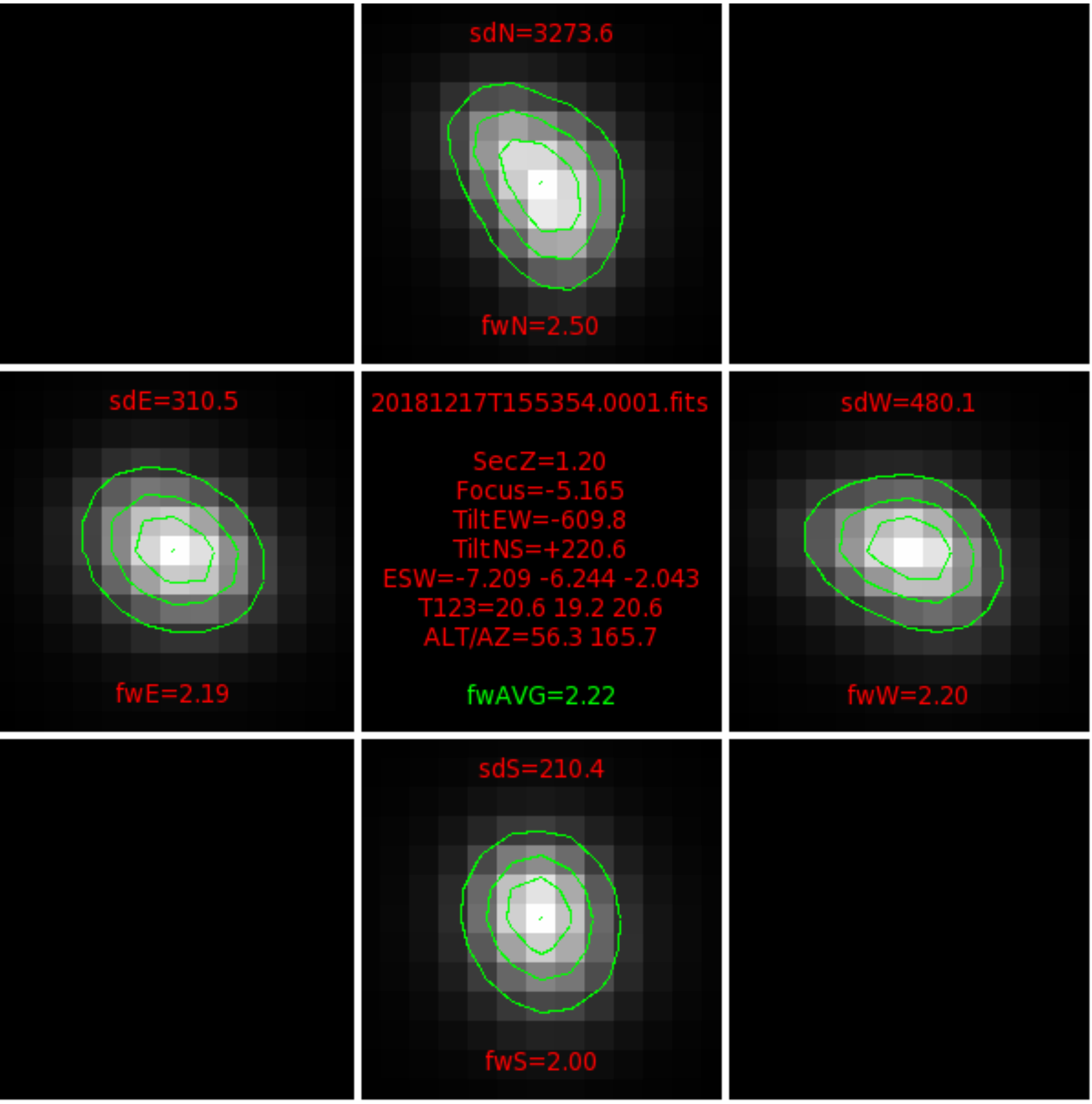
sdN=3273.6
fwN=2.50
sdE=310.5
fwE=2.19
20181217T155354.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 19.2 20.6
ALT/AZ=56.3 165.7
fwAVG=2.22
sdW=480.1
fwW=2.20
sdS=210.4
fwS=2.00
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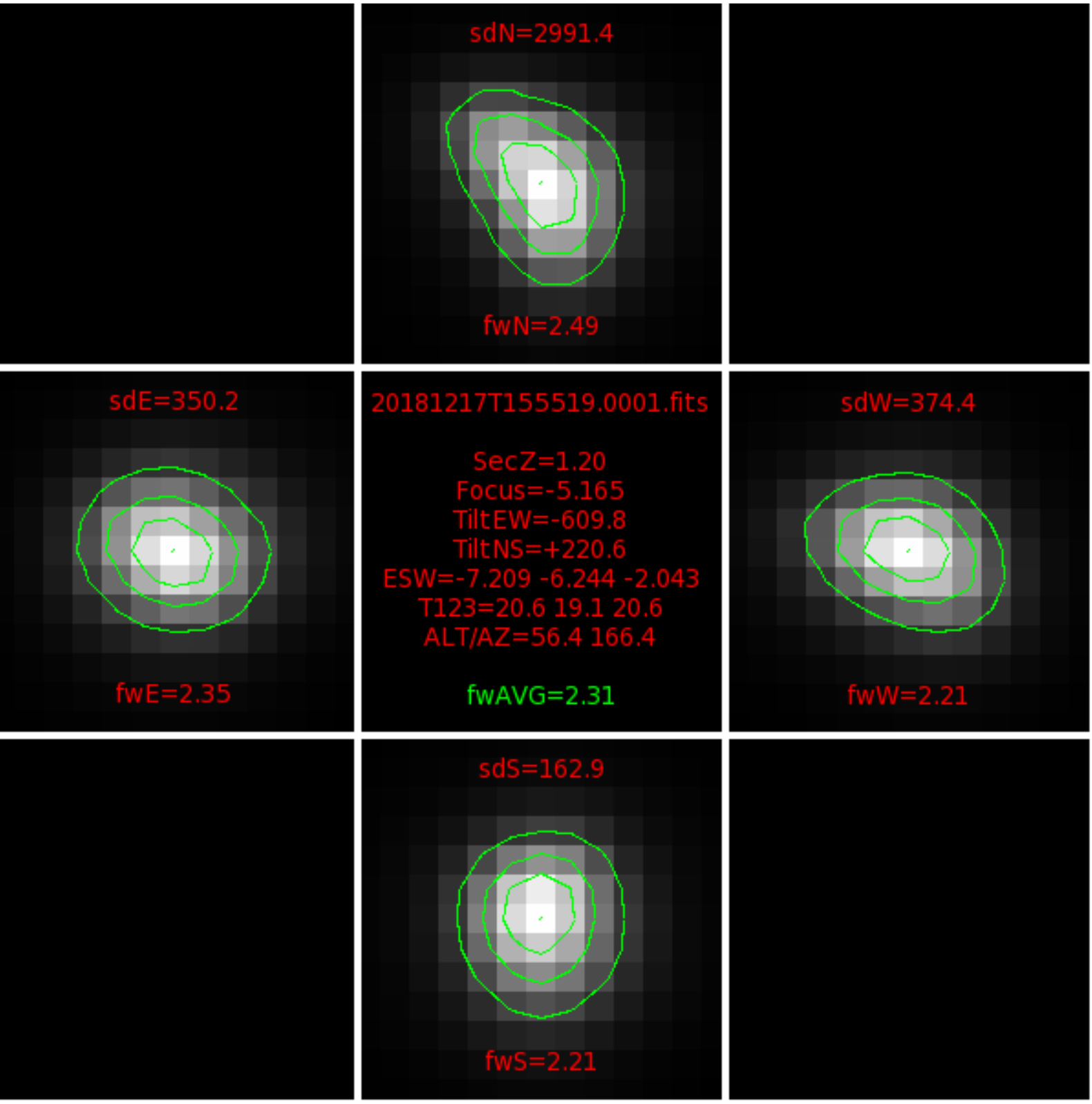
sdN=2991.4
fwN=2.49
sdE=350.2
fwE=2.35
20181217T155519.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 19.1 20.6
ALT/AZ=56.4 166.4
fwAVG=2.31
sdW=374.4
fwW=2.21
sdS=162.9
fwS=2.21
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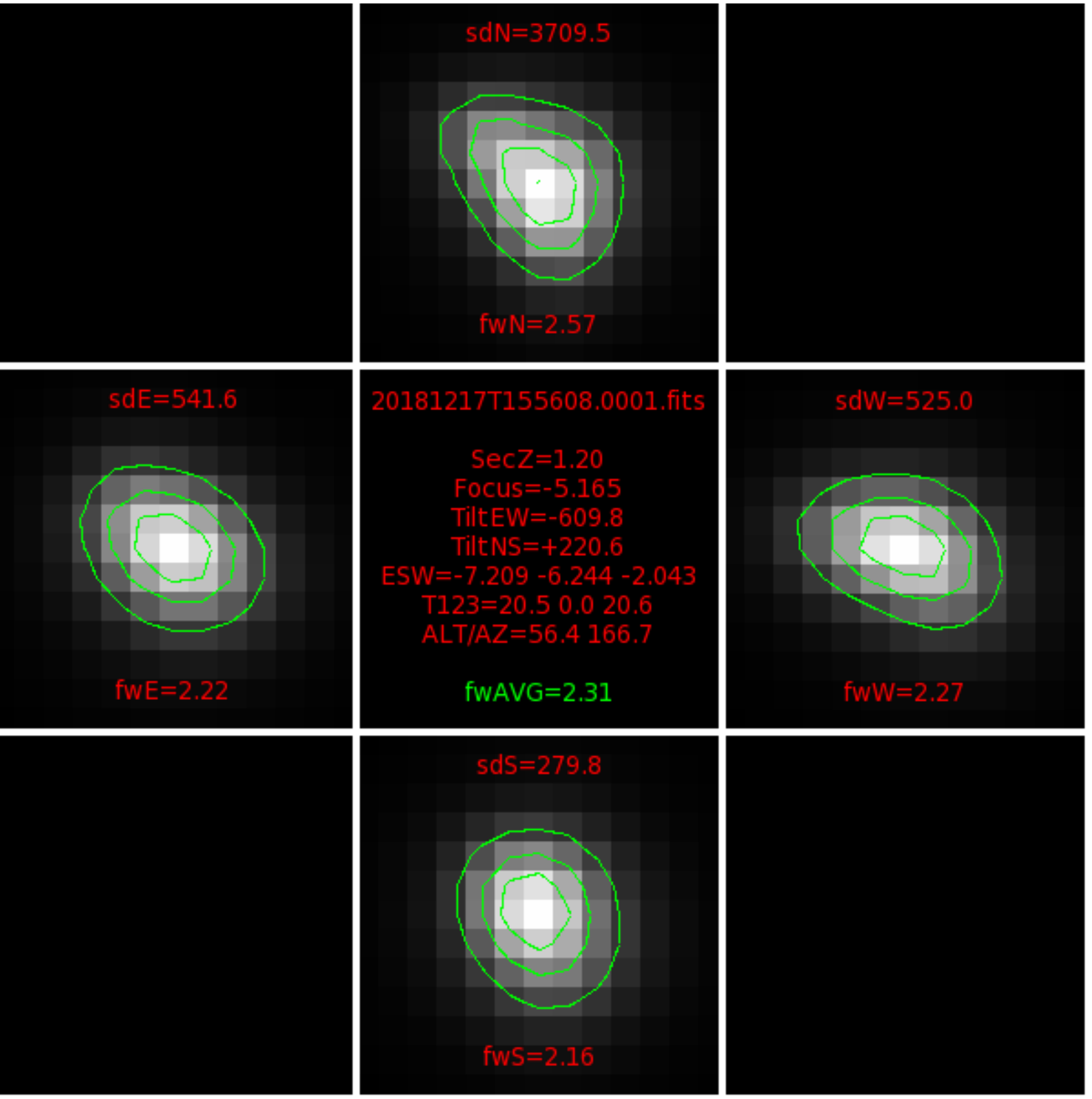
sdN=3709.5
fwN=2.57
sdE=541.6
fwE=2.22
20181217T155608.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.5 0.0 20.6
ALT/AZ=56.4 166.7
fwAVG=2.31
sdW=525.0
fwW=2.27
sdS=279.8
fwS=2.16
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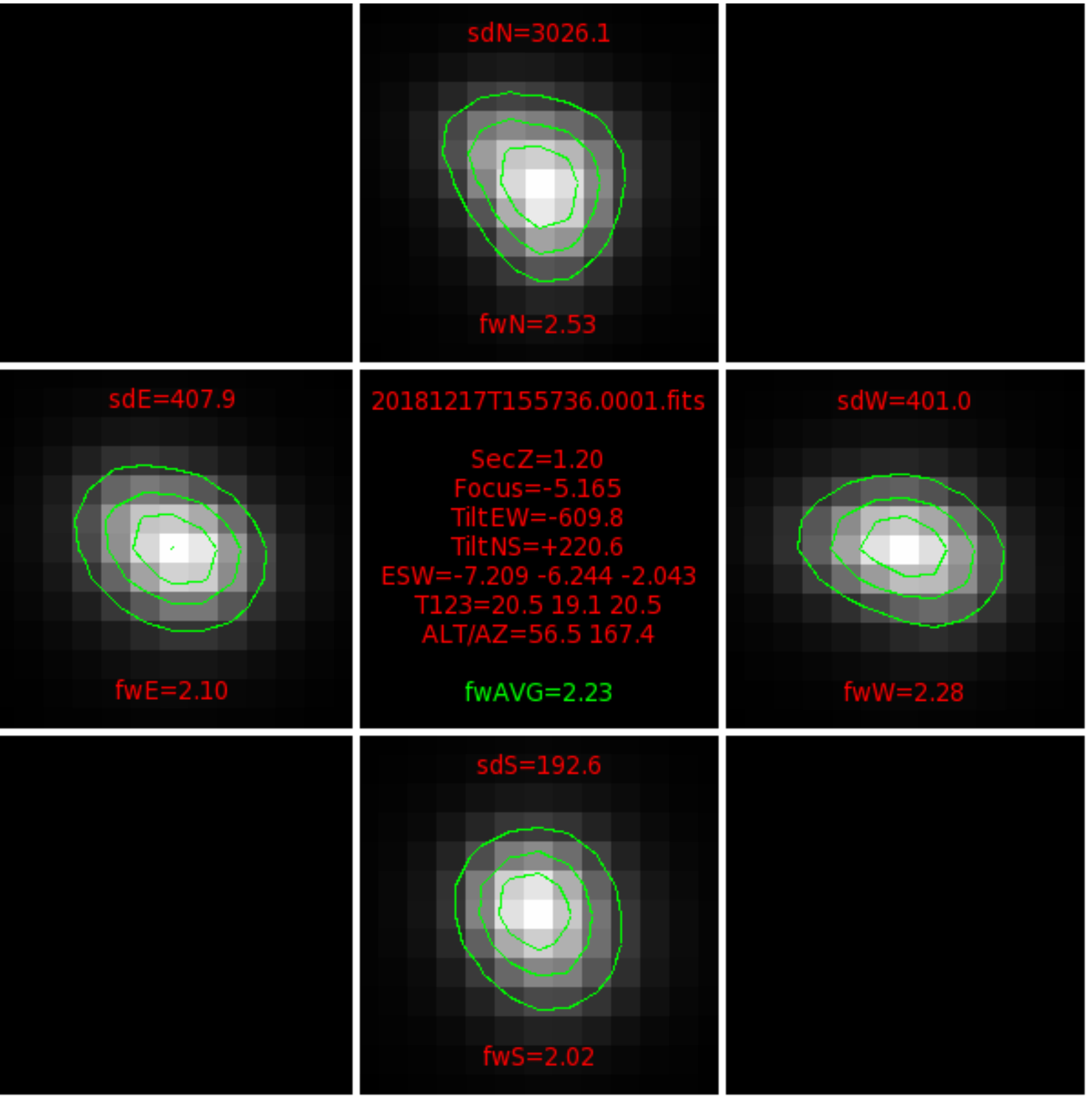
sdN=3026.1
fwN=2.53
sdE=407.9
fwE=2.10
20181217T155736.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.5 19.1 20.5
ALT/AZ=56.5 167.4
fwAVG=2.23
sdW=401.0
fwW=2.28
sdS=192.6
fwS=2.02
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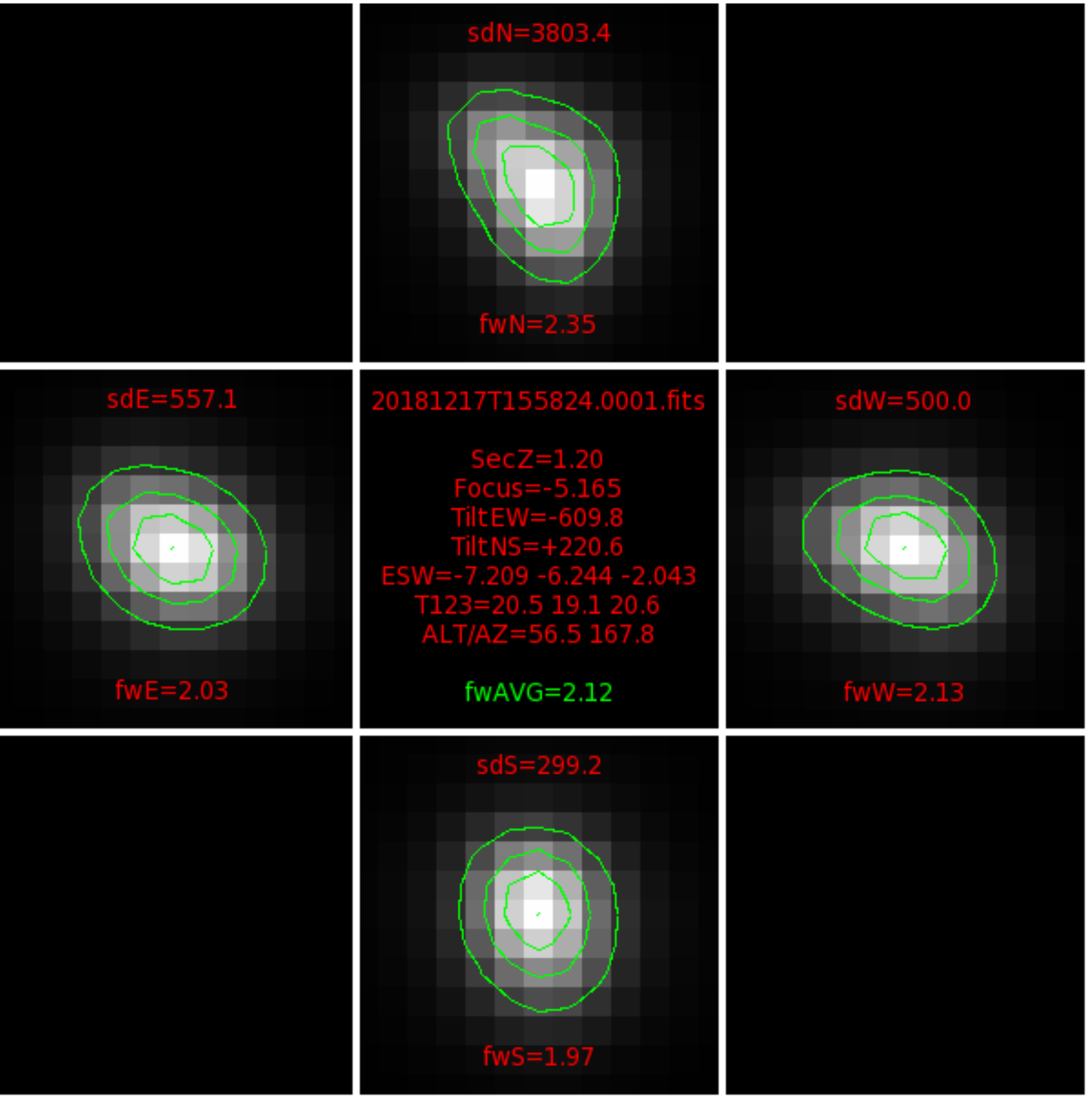
sdN=3803.4
fwN=2.35
sdE=557.1
fwE=2.03
20181217T155824.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.5 19.1 20.6
ALT/AZ=56.5 167.8
fwAVG=2.12
sdW=500.0
fwW=2.13
sdS=299.2
fwS=1.97
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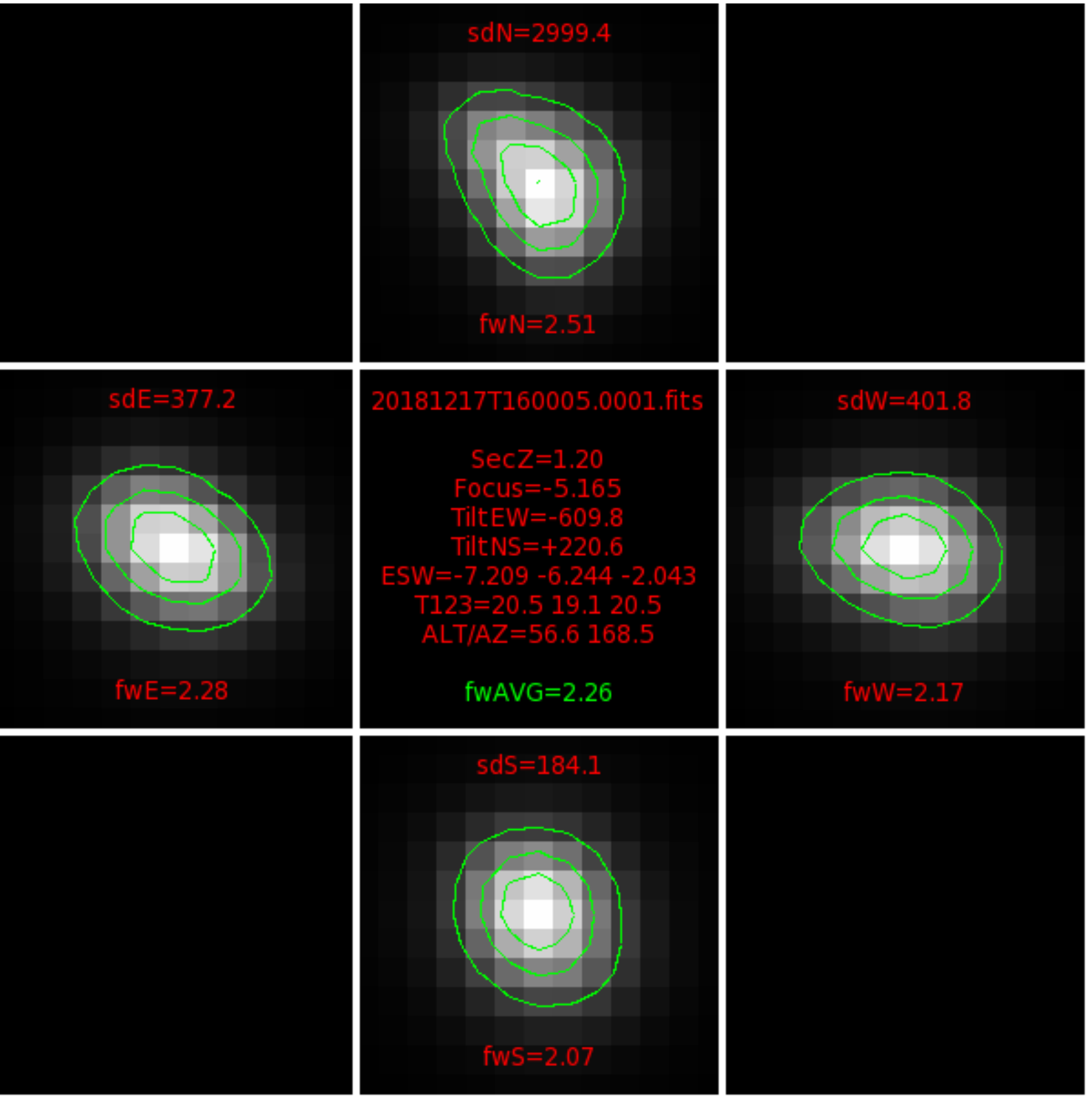
sdN=2999.4
fwN=2.51
sdE=377.2
fwE=2.28
20181217T160005.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.5 19.1 20.5
ALT/AZ=56.6 168.5
fwAVG=2.26
sdW=401.8
fwW=2.17
sdS=184.1
fwS=2.07
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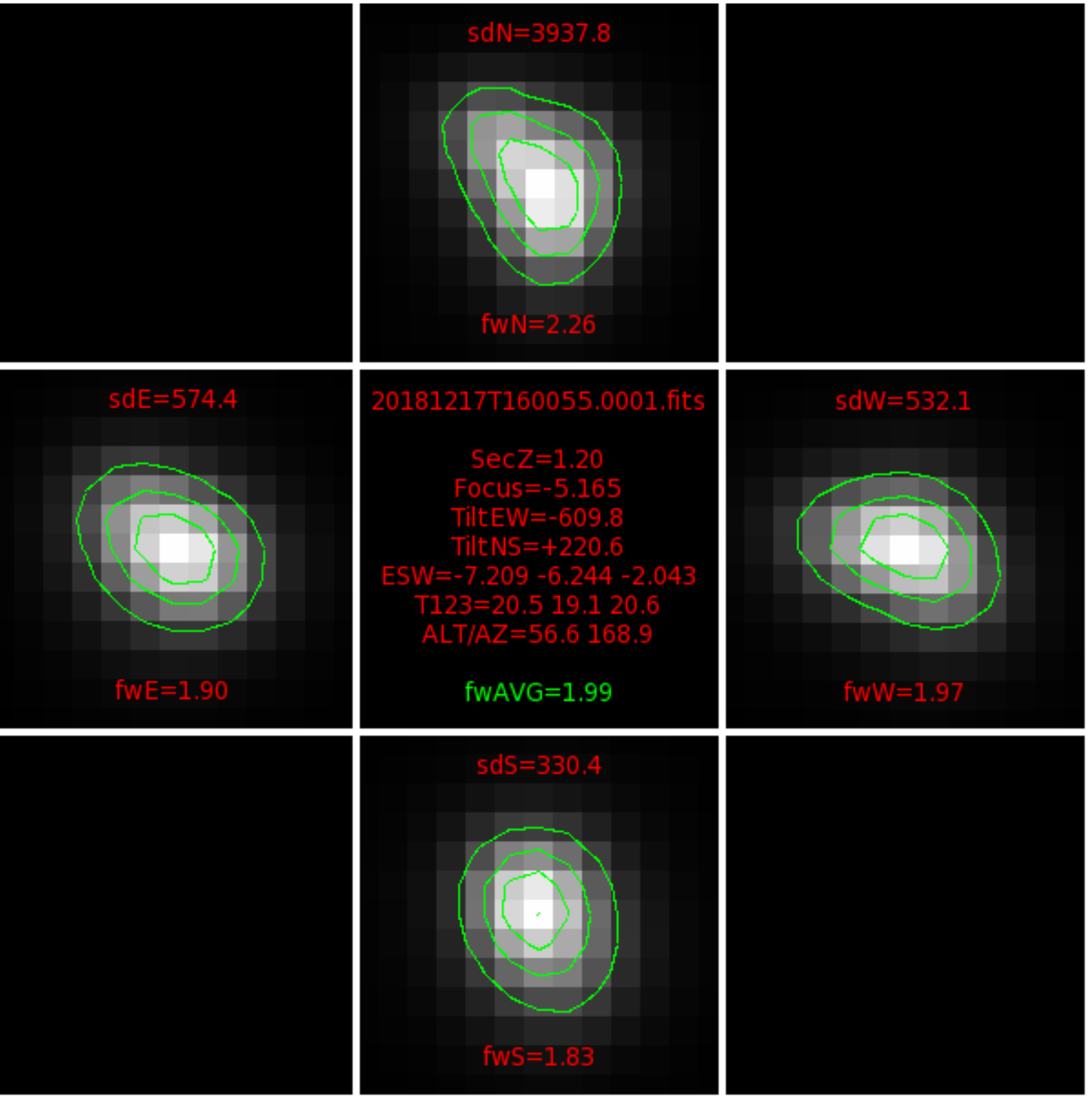
sdN=3937.8
fwN=2.26
sdE=574.4
fwE=1.90
20181217T160055.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.5 19.1 20.6
ALT/AZ=56.6 168.9
fwAVG=1.99
sdW=532.1
fwW=1.97
sdS=330.4
fwS=1.83
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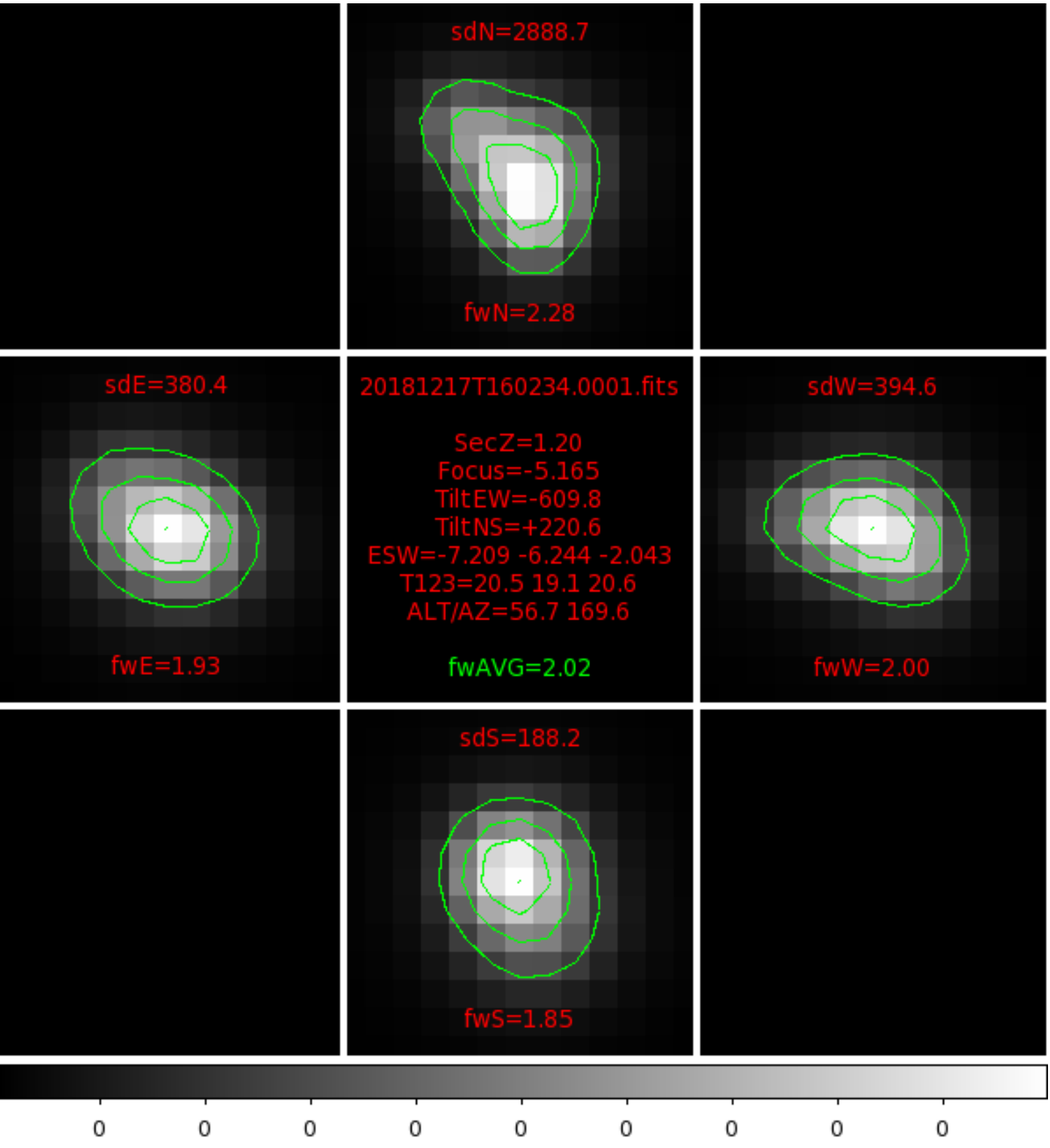
sdN=2888.7
fwN=2.28
sdE=380.4
fwE=1.93
20181217T160234.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.5 19.1 20.6
ALT/AZ=56.7 169.6
fwAVG=2.02
sdW=394.6
fwW=2.00
sdS=188.2
fwS=1.85
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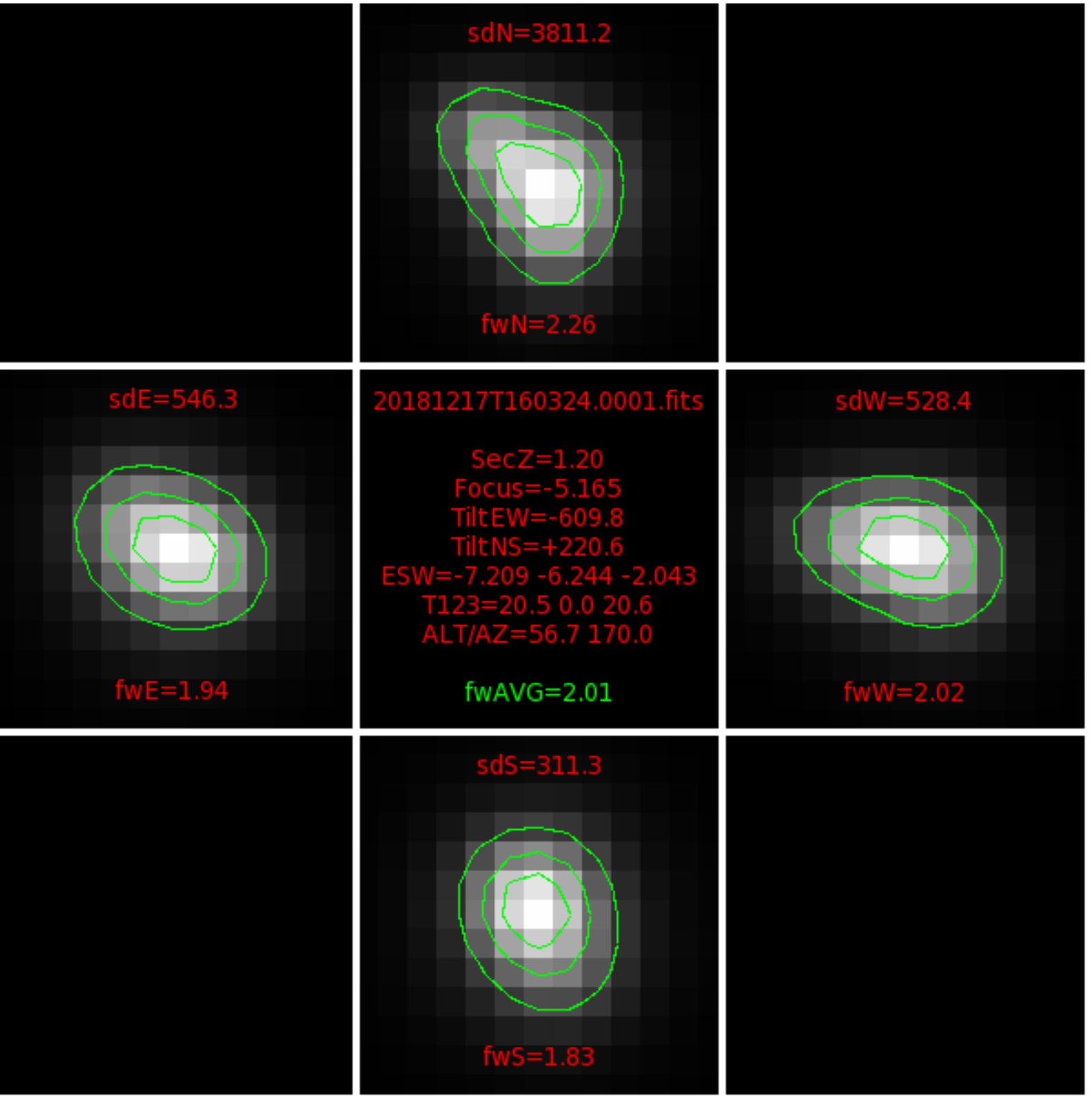
sdN=3811.2
fwN=2.26
sdE=546.3
fwE=1.94
20181217T160324.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.5 0.0 20.6
ALT/AZ=56.7 170.0
fwAVG=2.01
sdW=528.4
fwW=2.02
sdS=311.3
fwS=1.83
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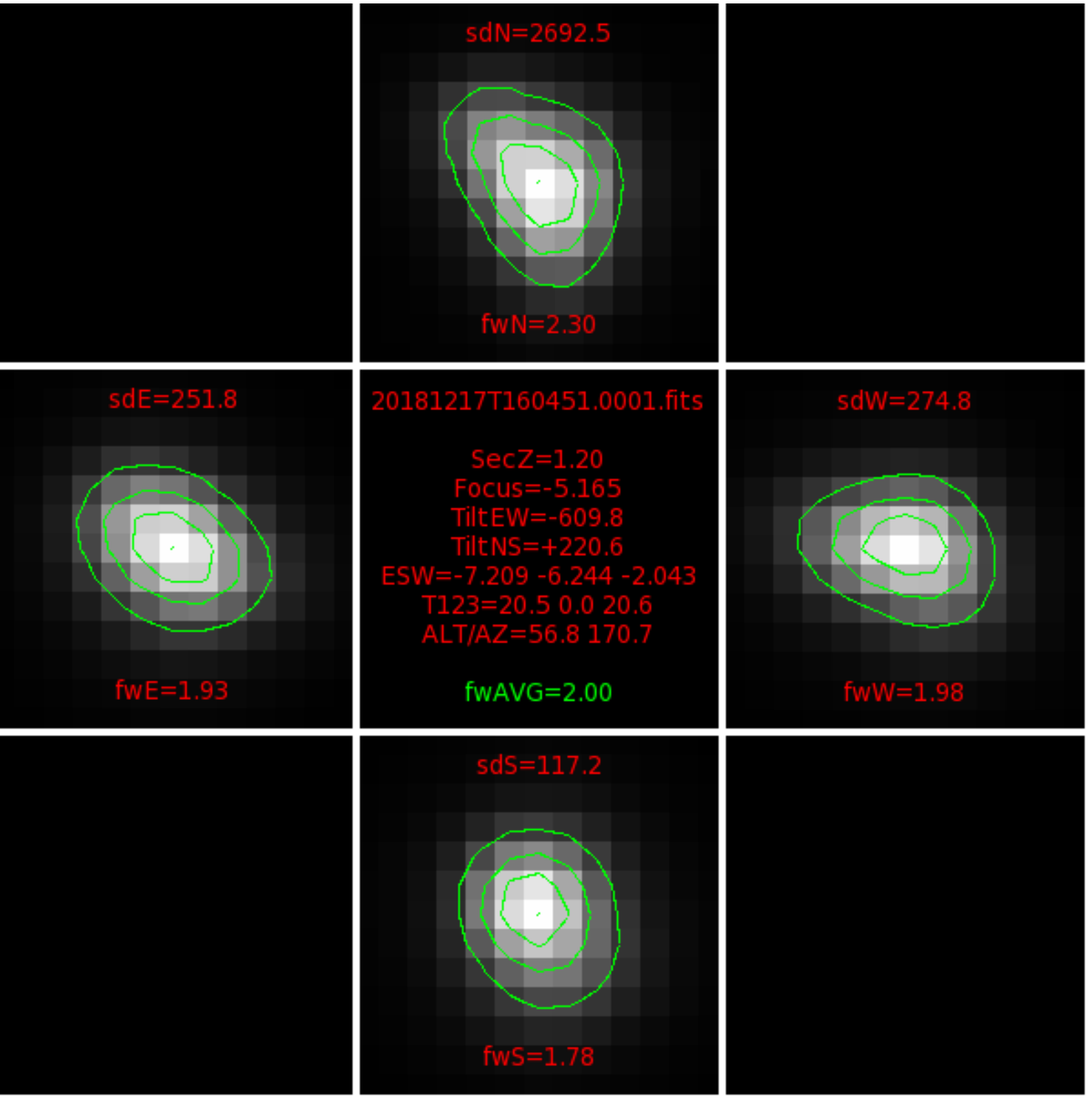
sdN=2692.5
fwN=2.30
sdE=251.8
fwE=1.93
20181217T160451.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.5 0.0 20.6
ALT/AZ=56.8 170.7
fwAVG=2.00
sdW=274.8
fwW=1.98
sdS=117.2
fwS=1.78
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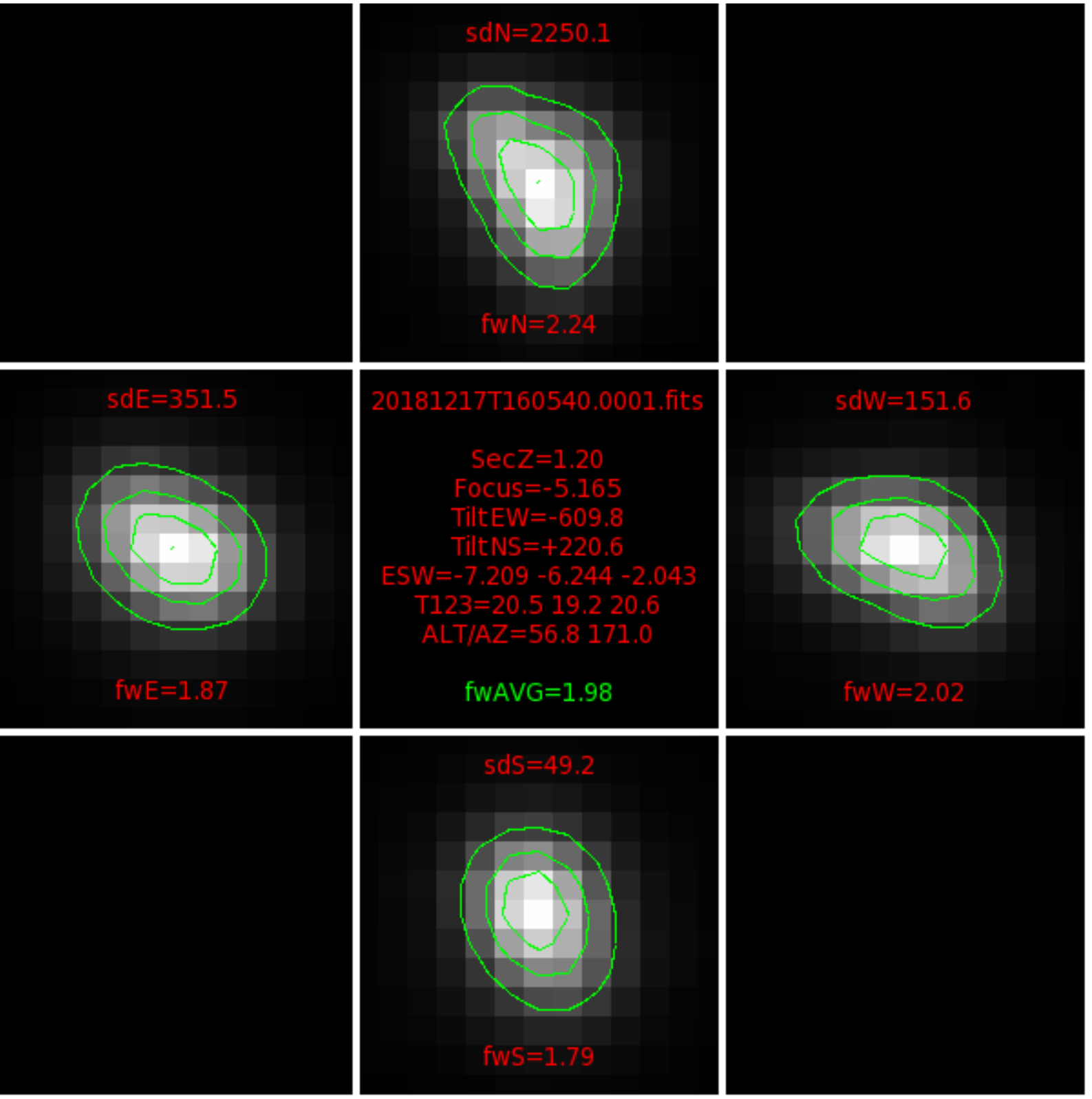
sdN=2250.1
fwN=2.24
sdE=351.5
fwE=1.87
20181217T160540.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.5 19.2 20.6
ALT/AZ=56.8 171.0
fwAVG=1.98
sdW=151.6
fwW=2.02
sdS=49.2
fwS=1.79
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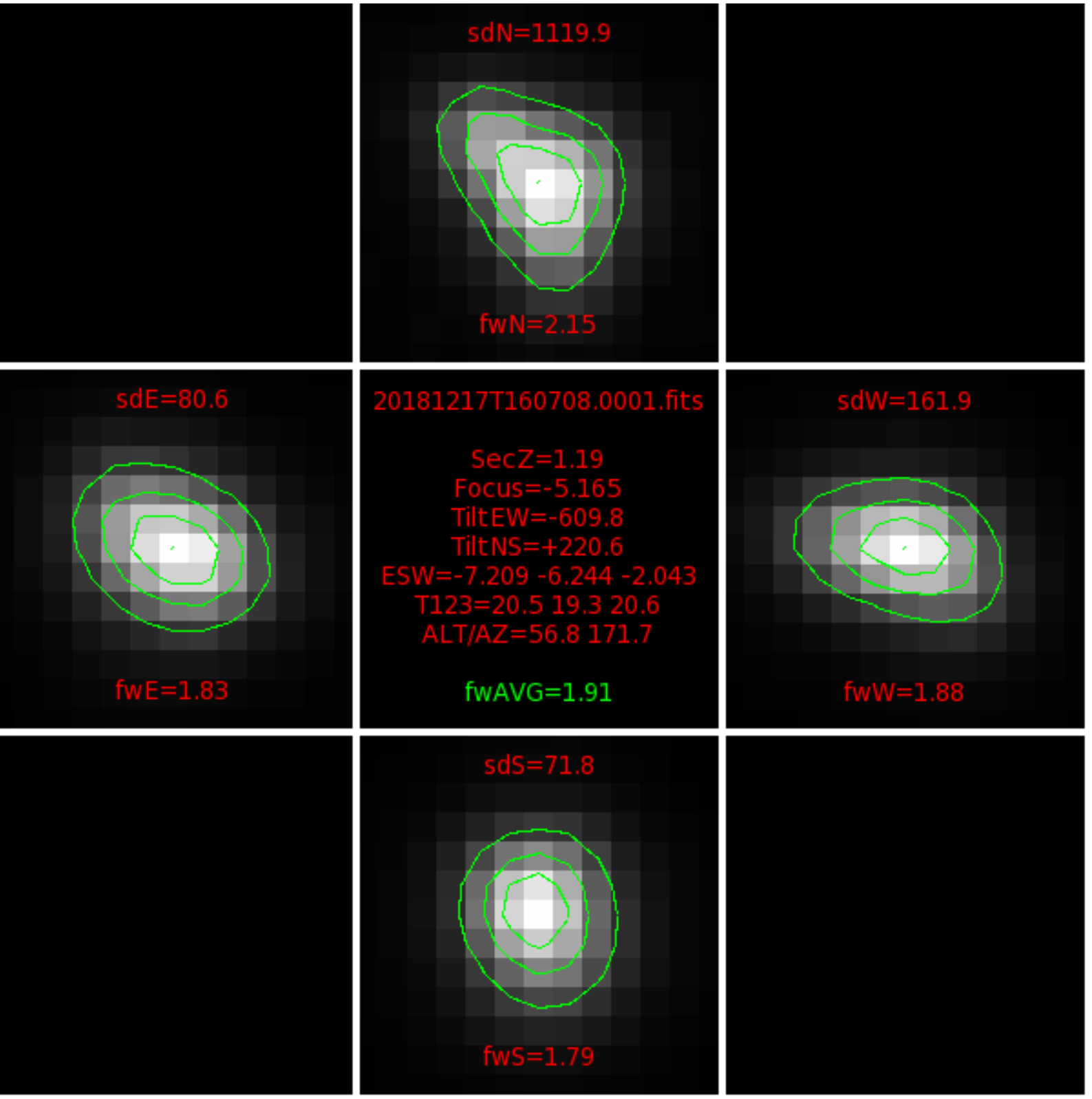
sdN=1119.9
fwN=2.15
sdE=80.6
fwE=1.83
20181217T160708.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.5 19.3 20.6
ALT/AZ=56.8 171.7
fwAVG=1.91
sdW=161.9
fwW=1.88
sdS=71.8
fwS=1.79
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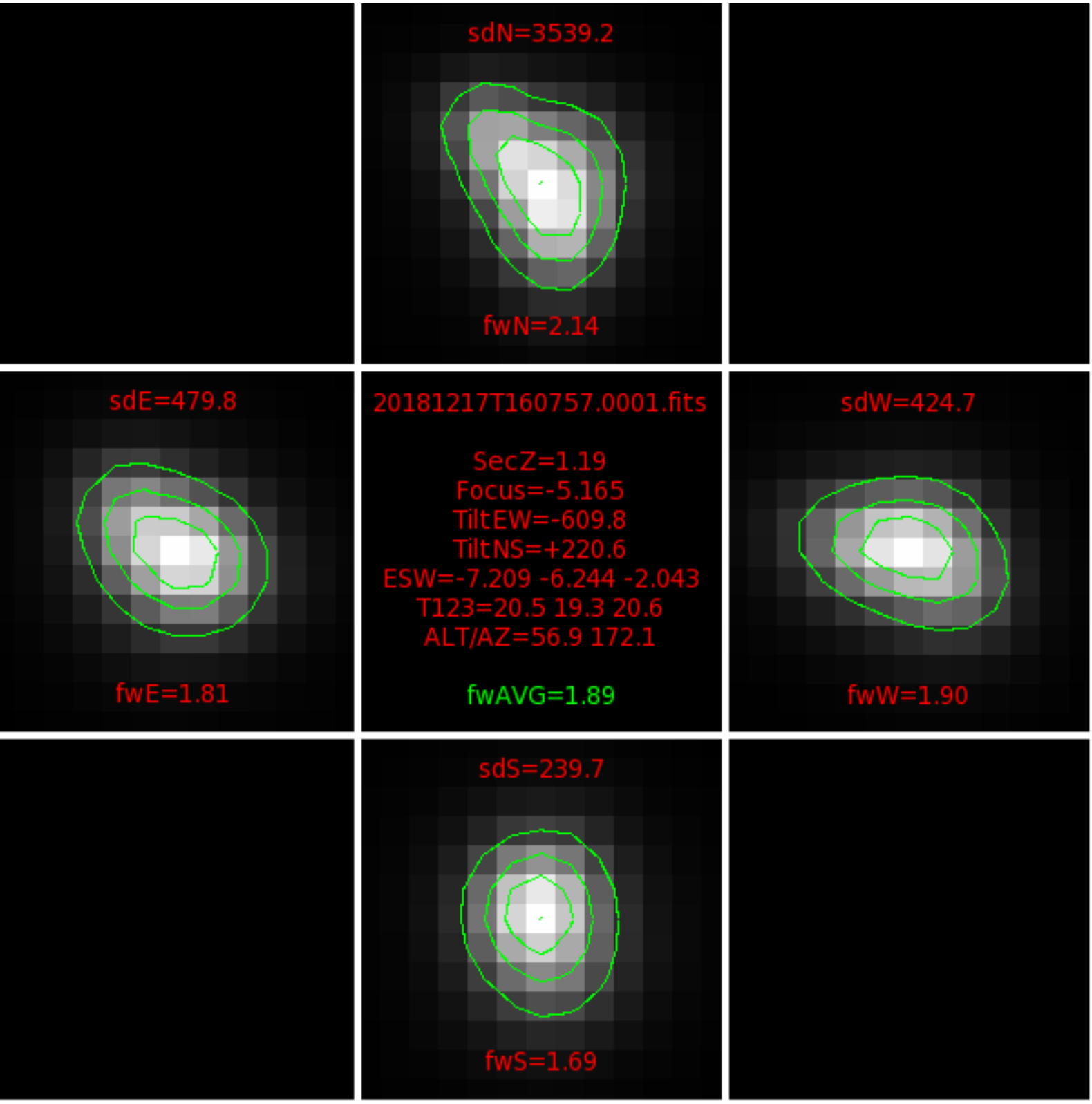
sdN=3539.2
fwN=2.14
sdE=479.8
fwE=1.81
20181217T160757.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.5 19.3 20.6
ALT/AZ=56.9 172.1
fwAVG=1.89
sdW=424.7
fwW=1.90
sdS=239.7
fwS=1.69
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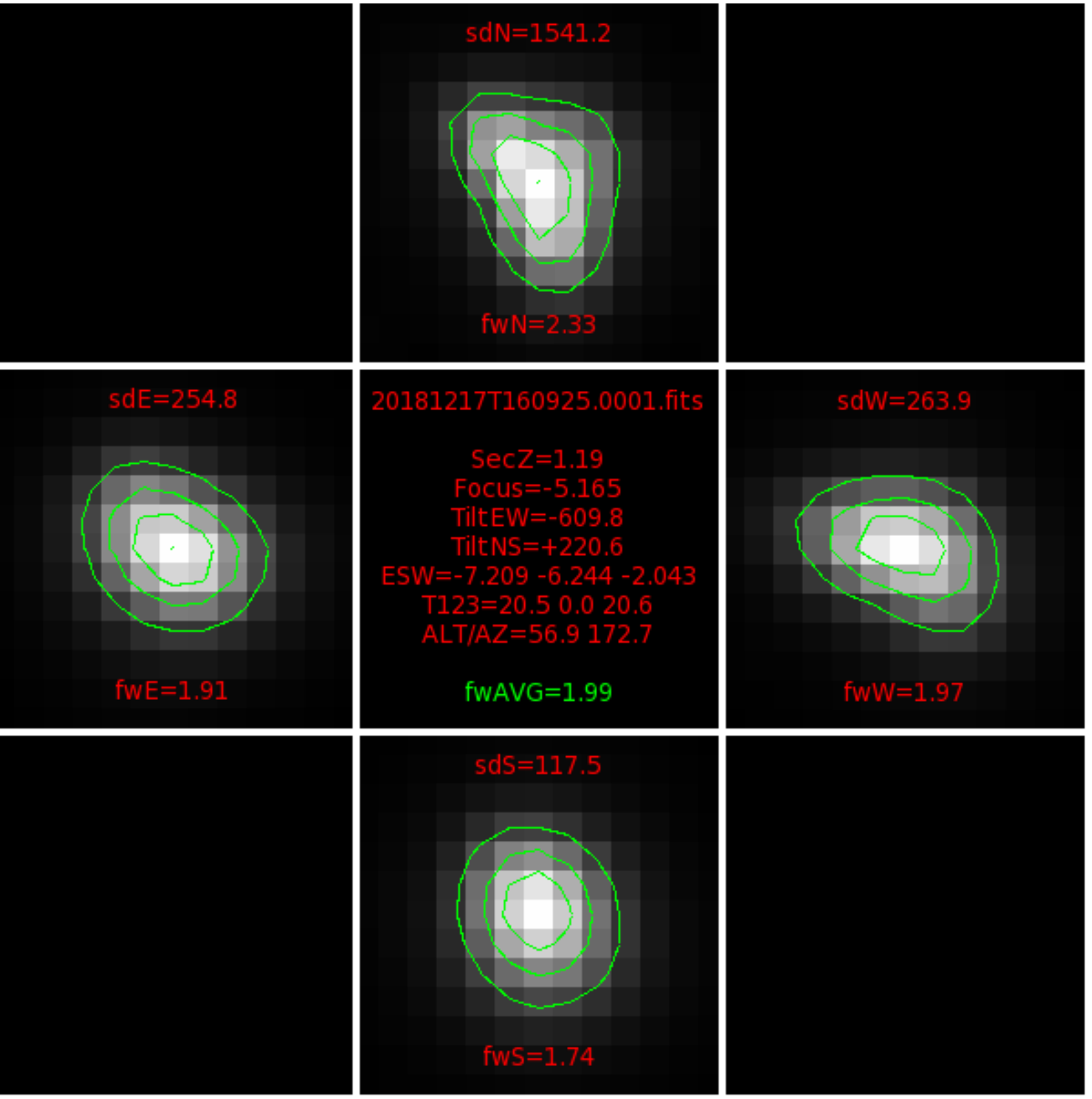
sdN=1541.2
fwN=2.33
sdE=254.8
fwE=1.91
20181217T160925.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.5 0.0 20.6
ALT/AZ=56.9 172.7
fwAVG=1.99
sdW=263.9
fwW=1.97
sdS=117.5
fwS=1.74
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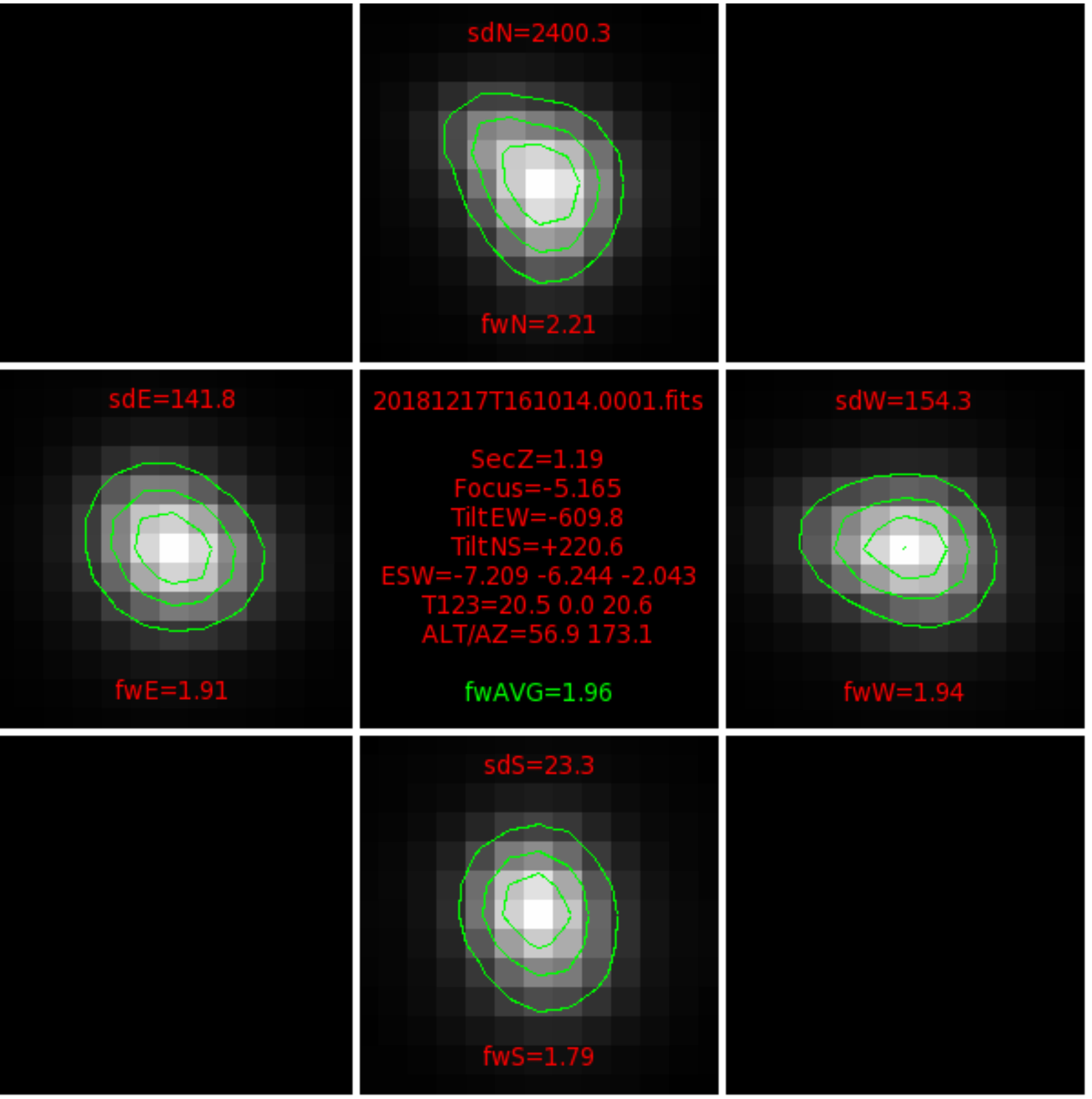
sdN=2400.3
fwN=2.21
sdE=141.8
fwE=1.91
20181217T161014.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.5 0.0 20.6
ALT/AZ=56.9 173.1
fwAVG=1.96
sdW=154.3
fwW=1.94
sdS=23.3
fwS=1.79
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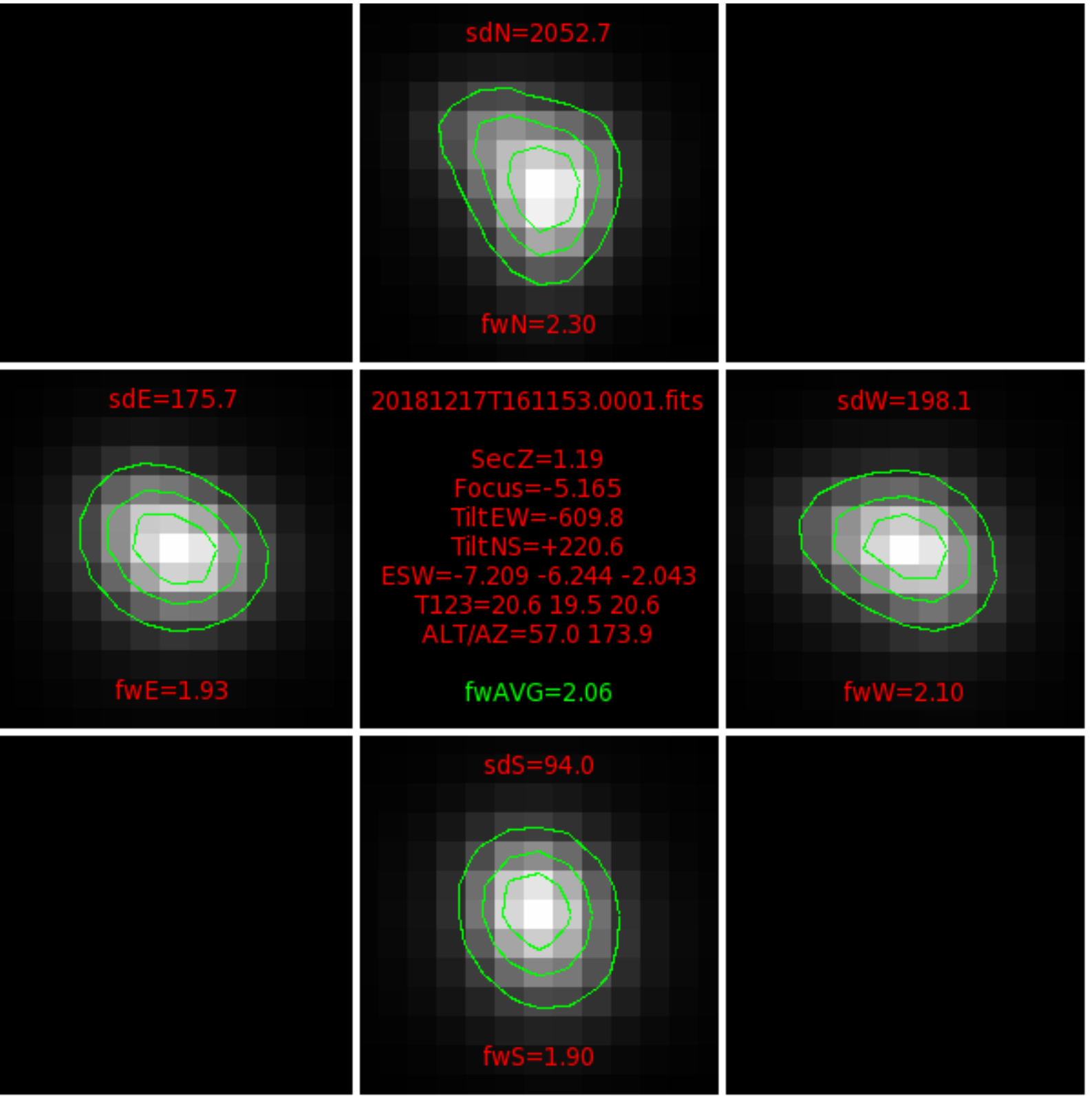
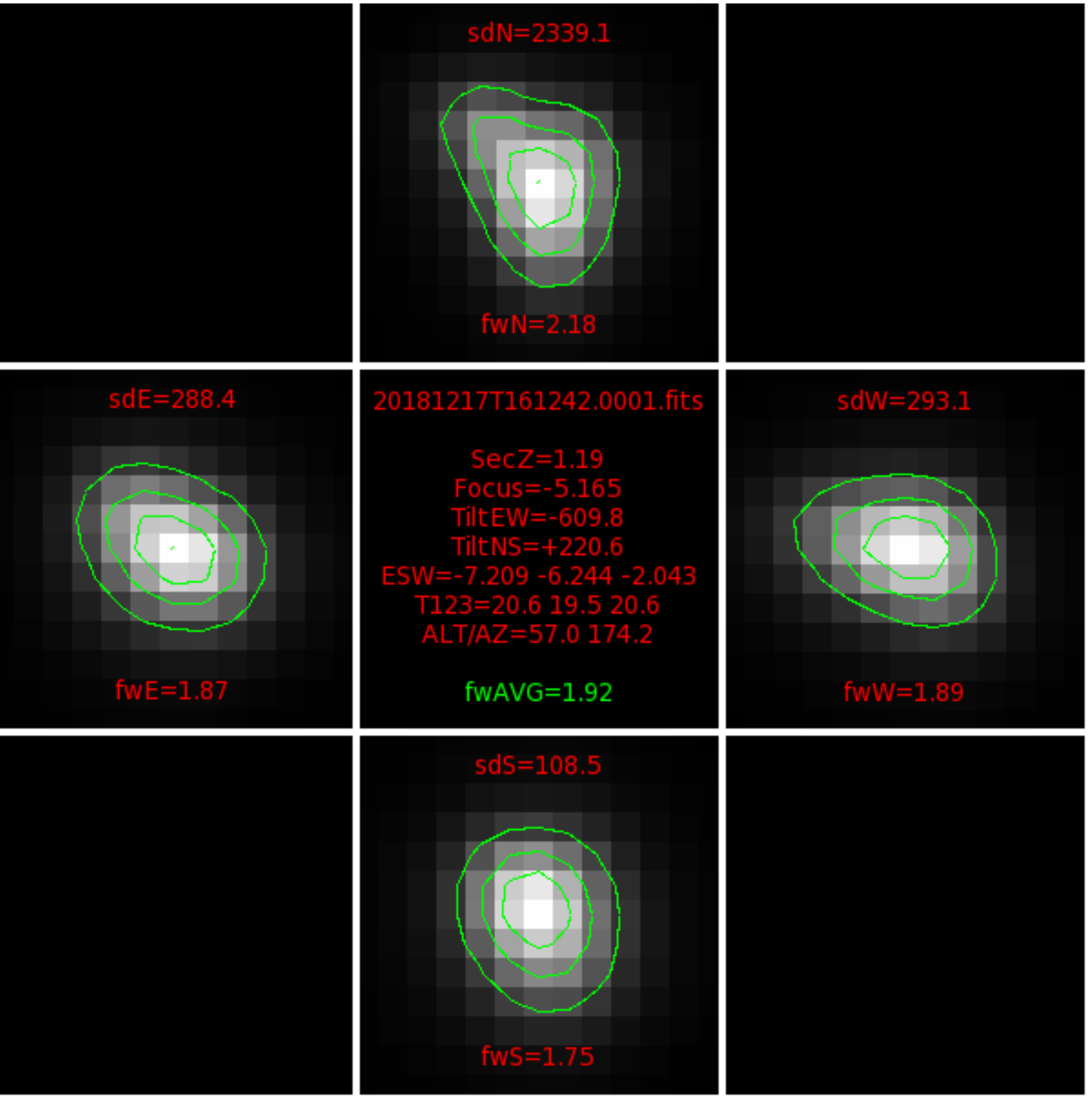

sdN=2052.7
fwN=2.30
sdE=175.7
fwE=1.93
20181217T161153.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 19.5 20.6
ALT/AZ=57.0 173.9
fwAVG=2.06
sdW=198.1
fwW=2.10
sdS=94.0
fwS=1.90
0 0 0 0 0 0 0 0 0


sdN=2339.1
fwN=2.18
sdE=288.4
fwE=1.87
20181217T161242.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 19.5 20.6
ALT/AZ=57.0 174.2
fwAVG=1.92
sdW=293.1
fwW=1.89
sdS=108.5
fwS=1.75
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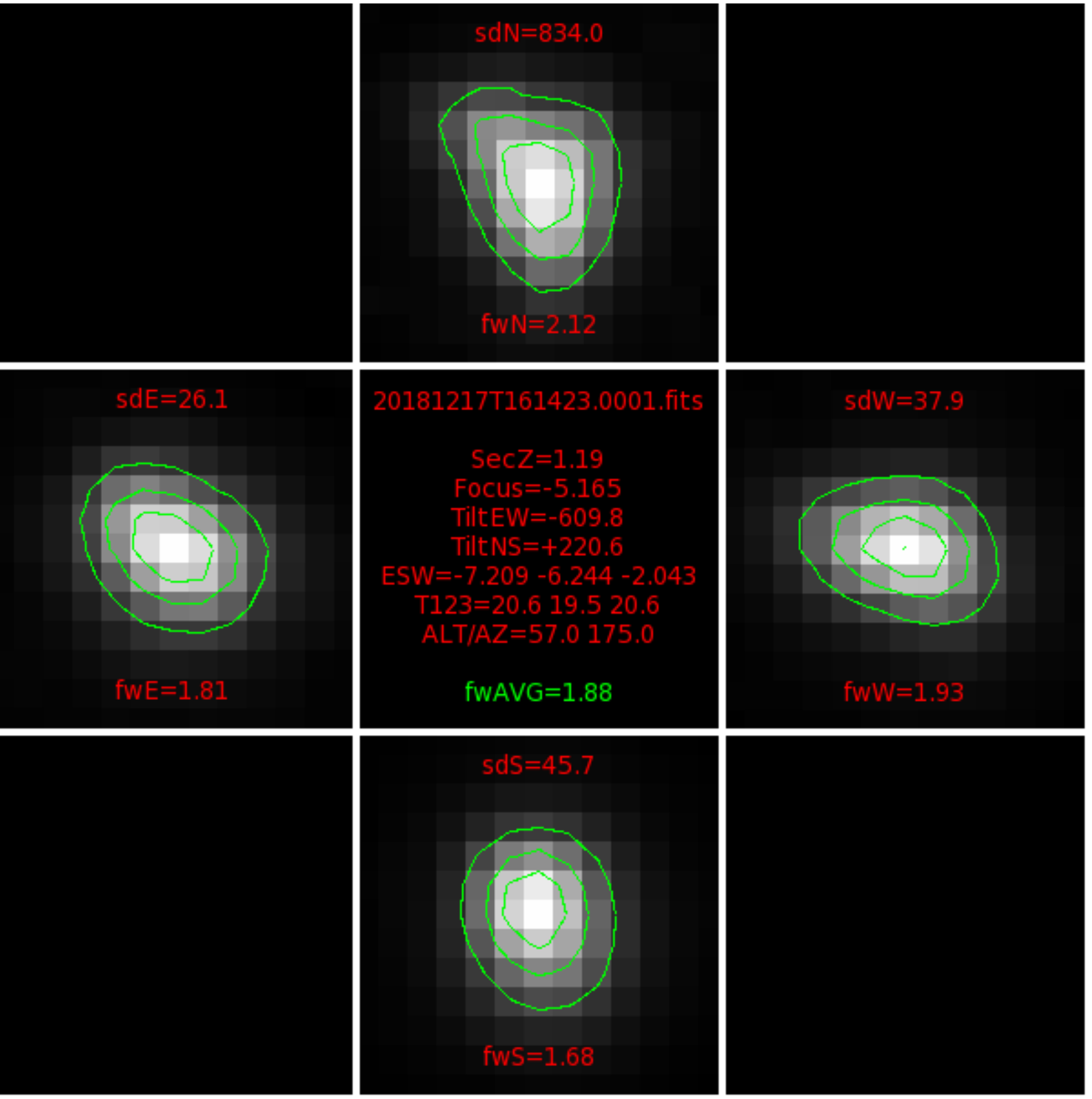
sdN=834.0
fwN=2.12
sdE=26.1
fwE=1.81
20181217T161423.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 19.5 20.6
ALT/AZ=57.0 175.0
fwAVG=1.88
sdW=37.9
fwW=1.93
sdS=45.7
fwS=1.68
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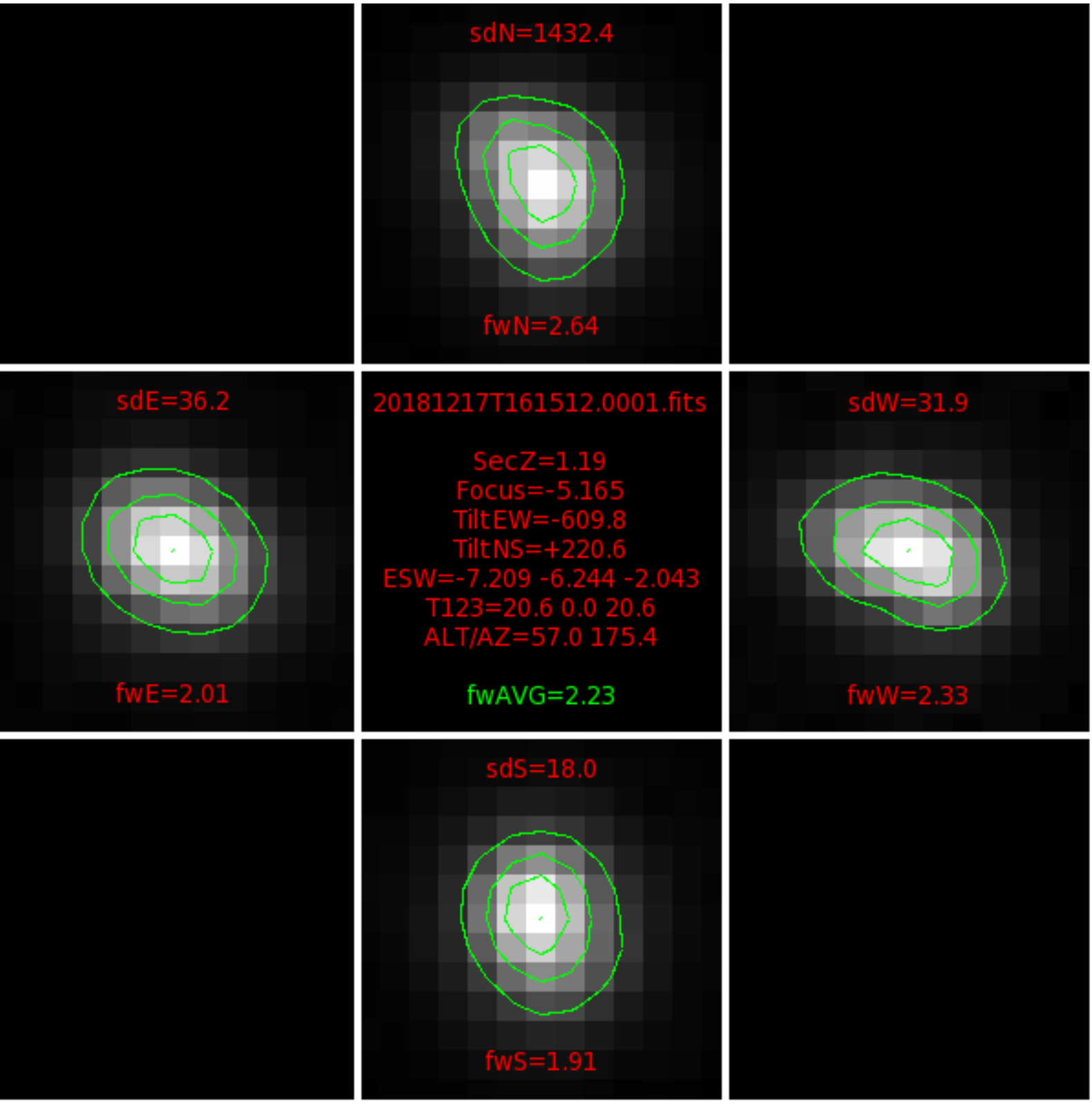
sdN=1432.4
fwN=2.64
sdE=36.2
fwE=2.01
20181217T161512.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 0.0 20.6
ALT/AZ=57.0 175.4
fwAVG=2.23
sdW=31.9
fwW=2.33
sdS=18.0
fwS=1.91
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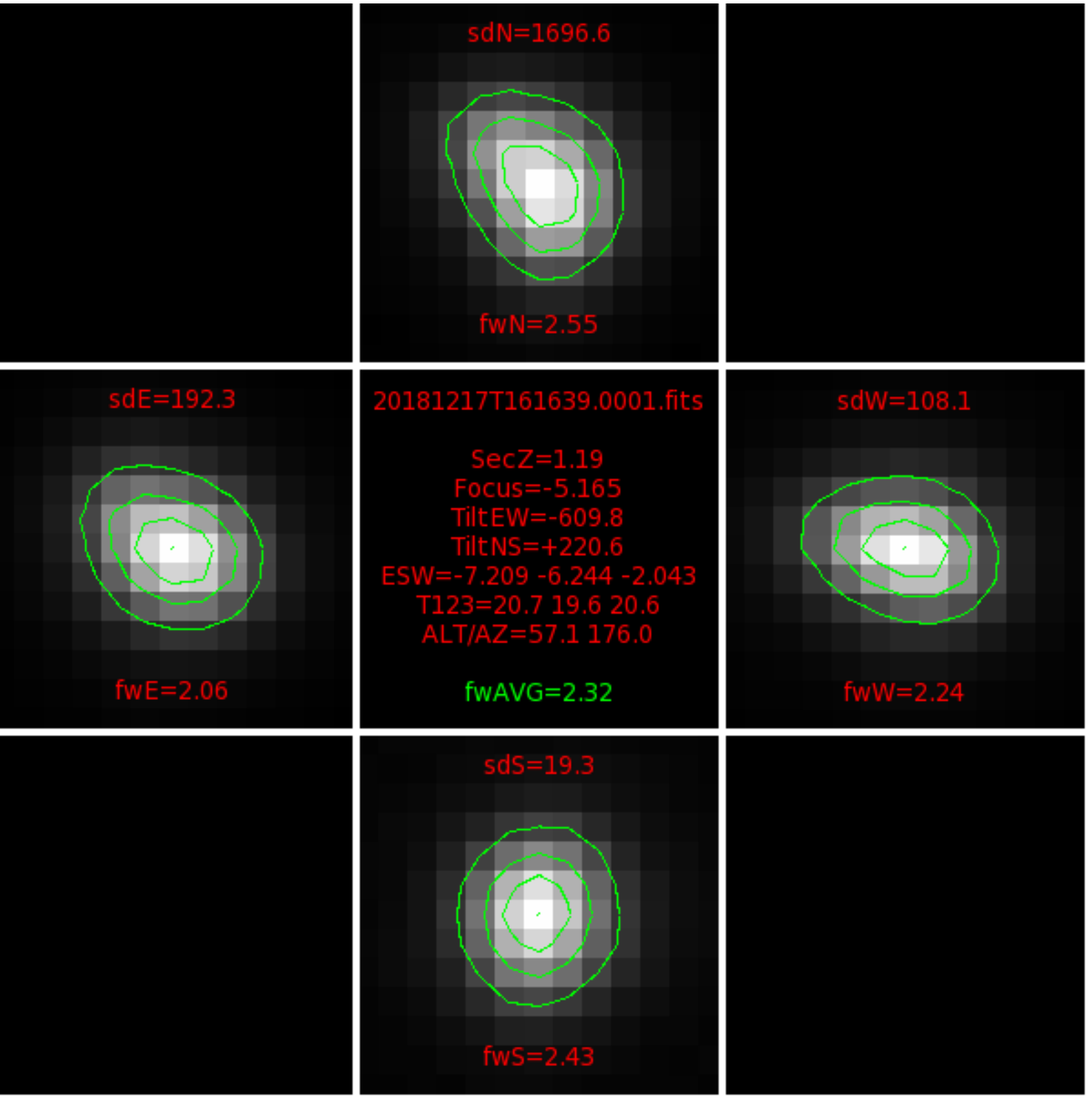
sdN=1696.6
fwN=2.55
sdE=192.3
fwE=2.06
20181217T161639.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.7 19.6 20.6
ALT/AZ=57.1 176.0
fwAVG=2.32
sdW=108.1
fwW=2.24
sdS=19.3
fwS=2.43
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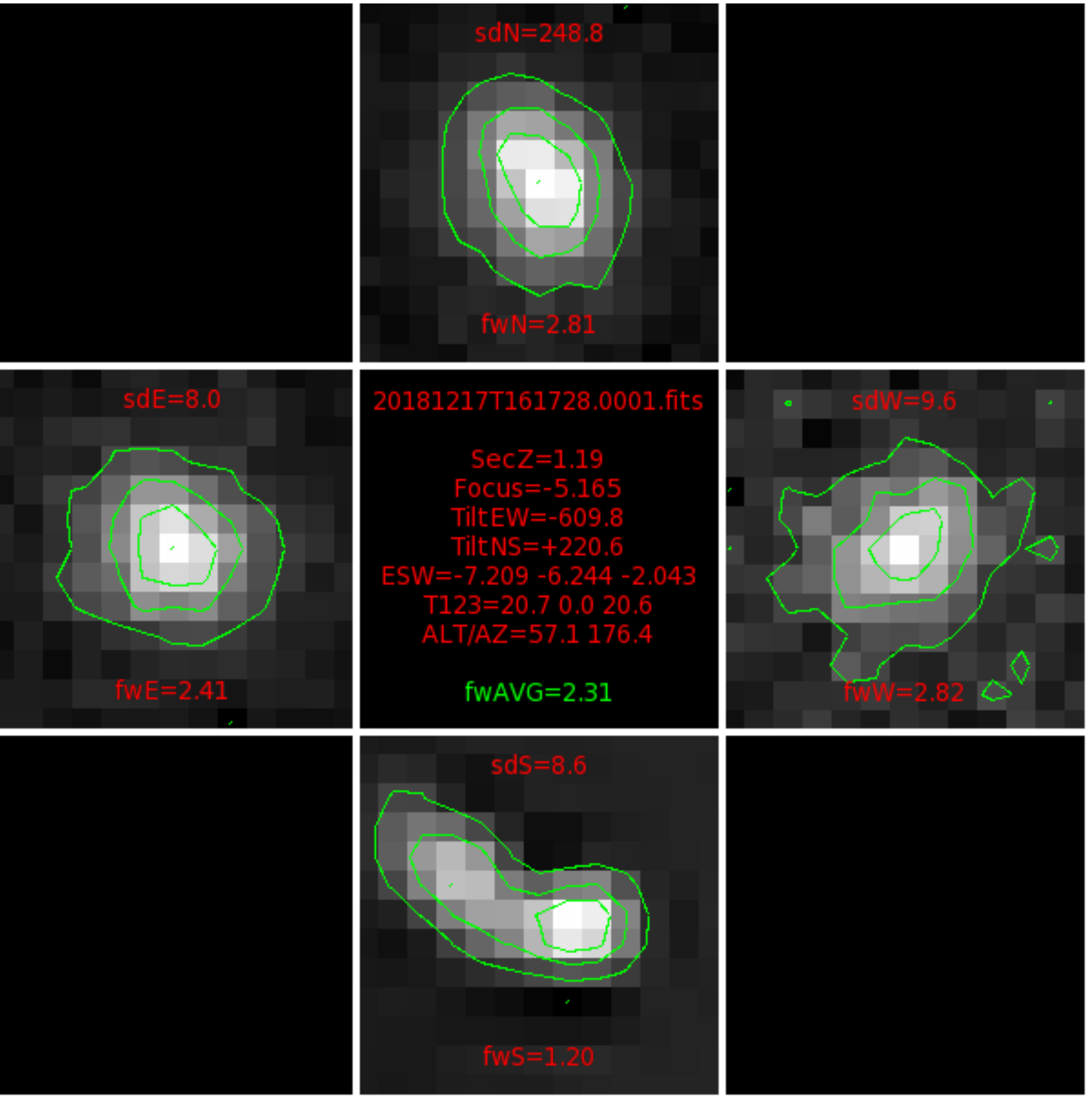
sdN=248.8
fwN=2.81
sdE=8.0
fwE=2.41
20181217T161728.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.7 0.0 20.6
ALT/AZ=57.1 176.4
fwAVG=2.31
sdW=9.6
fwW=2.82
sdS=8.6
fwS=1.20
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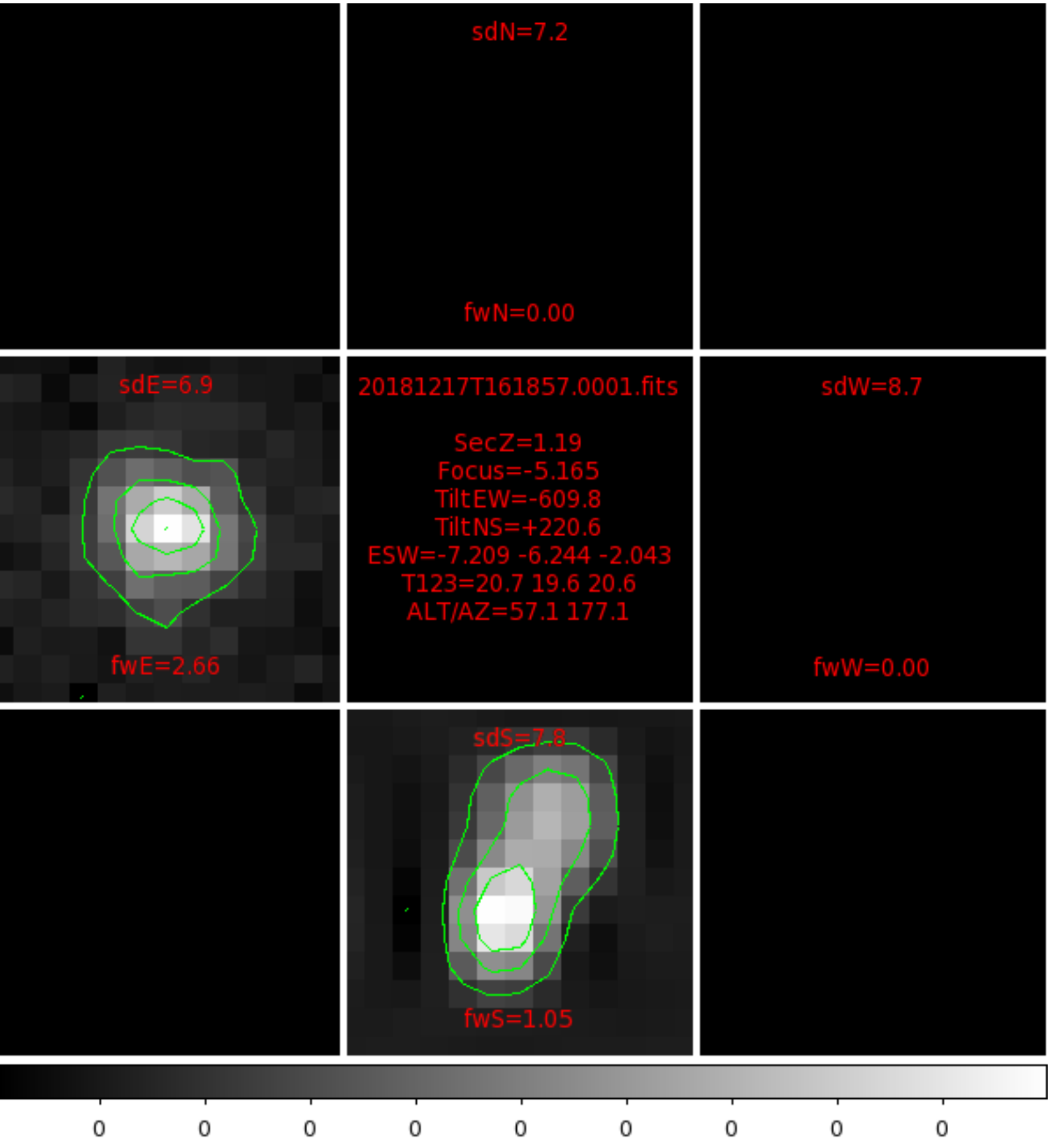
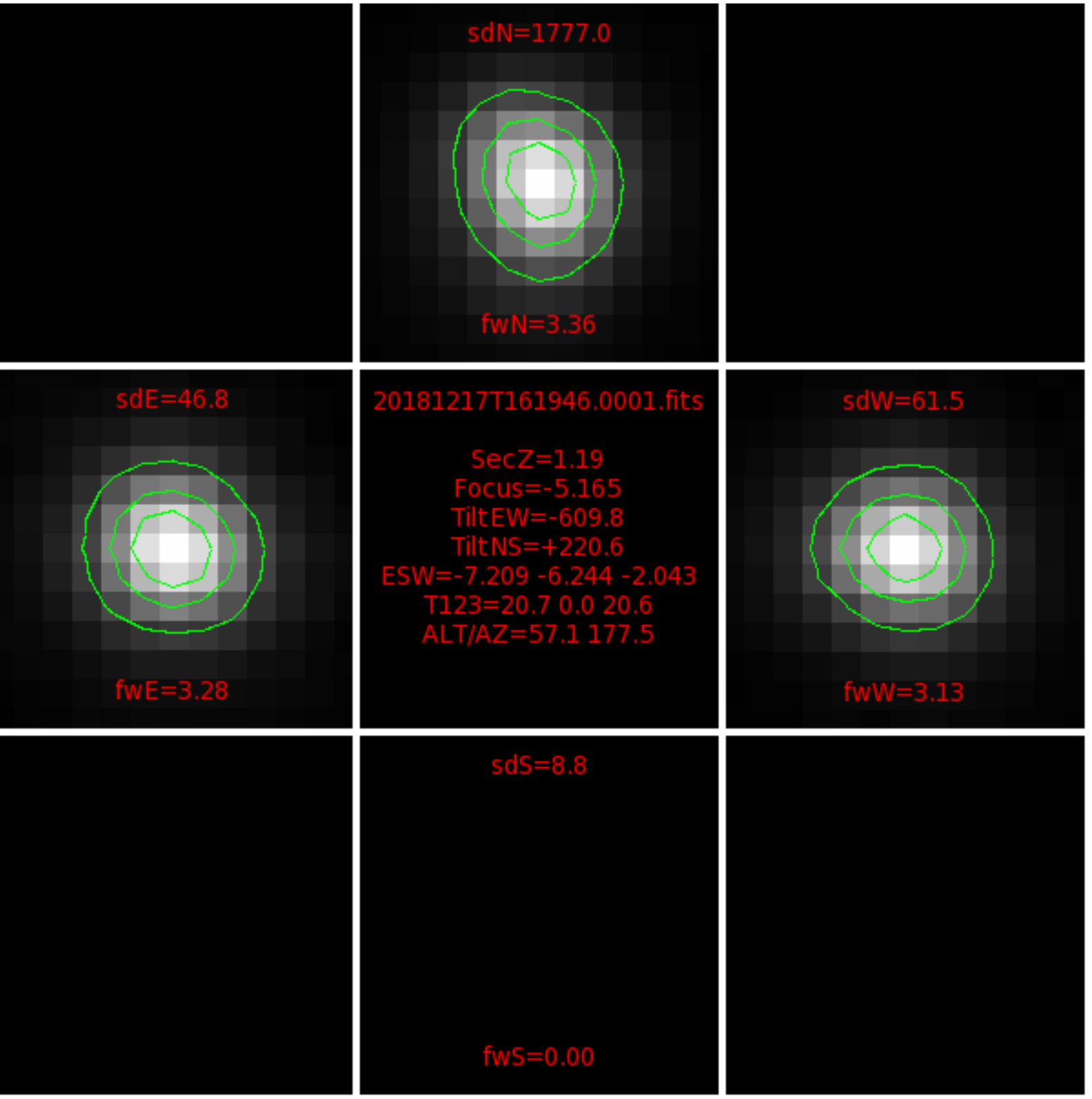
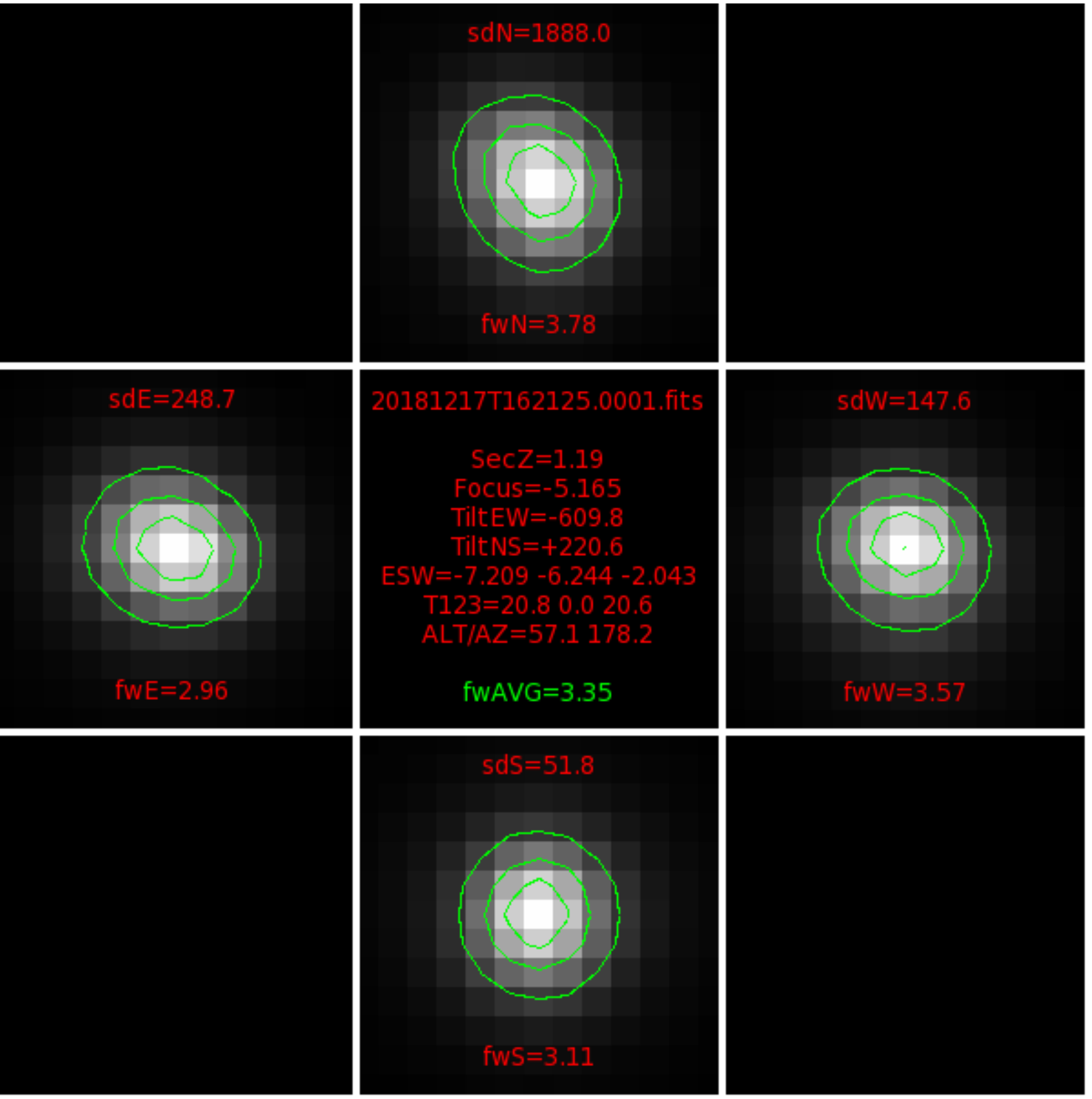

sdN=7.2
fwN=0.00
sdE=6.9
fwE=2.66
20181217T161857.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.7 19.6 20.6
ALT/AZ=57.1 177.1
sdW=8.7
fwW=0.00
sdS=7.8
fwS=1.05
0 0 0 0 0 0 0 0 0


sdN=1777.0
fwN=3.36
sdE=46.8
fwE=3.28
20181217T161946.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.7 0.0 20.6
ALT/AZ=57.1 177.5
sdW=61.5
fwW=3.13
sdS=8.8
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=1888.0
fwN=3.78
sdE=248.7
fwE=2.96
20181217T162125.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 0.0 20.6
ALT/AZ=57.1 178.2
fwAVG=3.35
sdW=147.6
fwW=3.57
sdS=51.8
fwS=3.11
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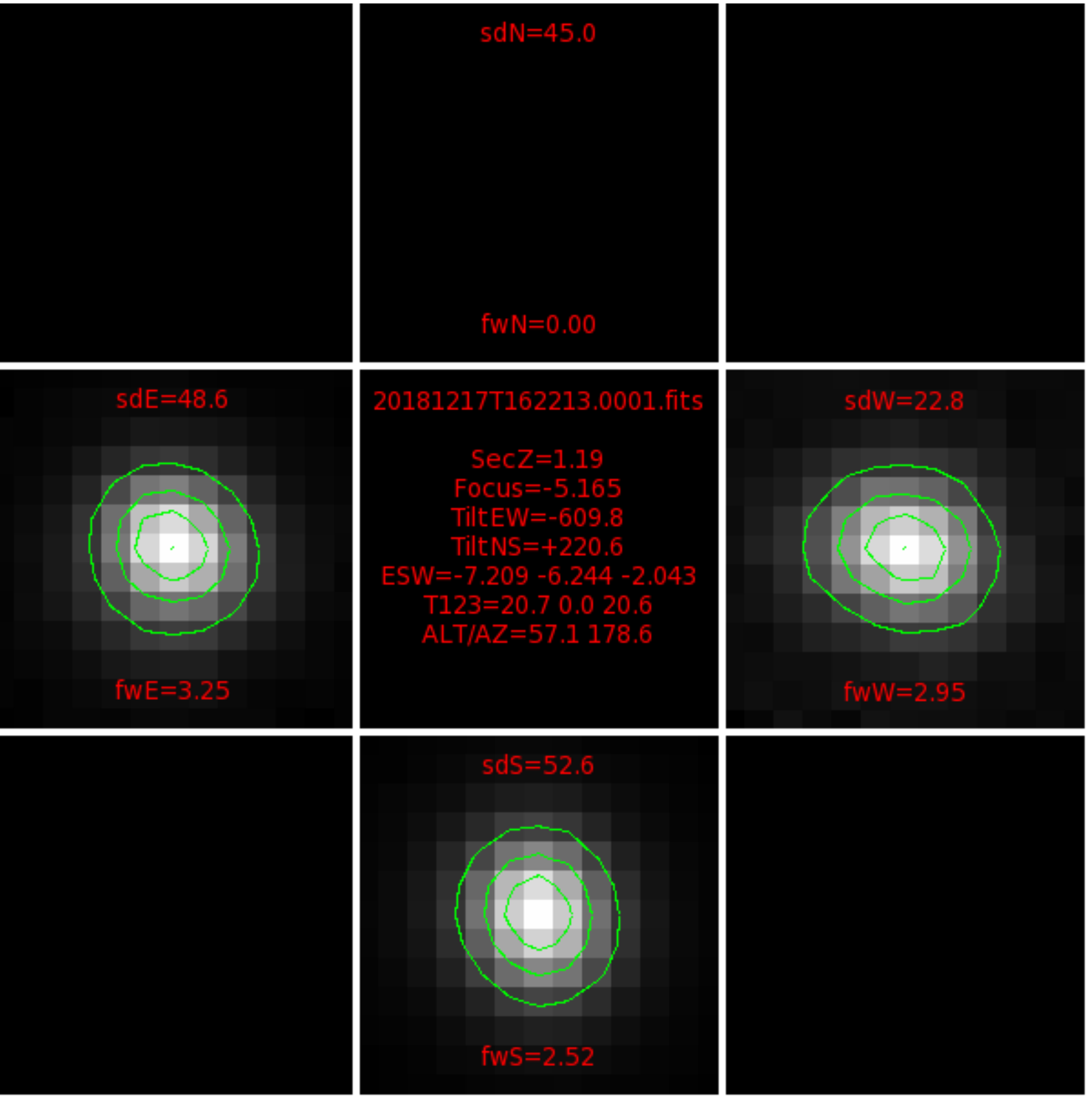
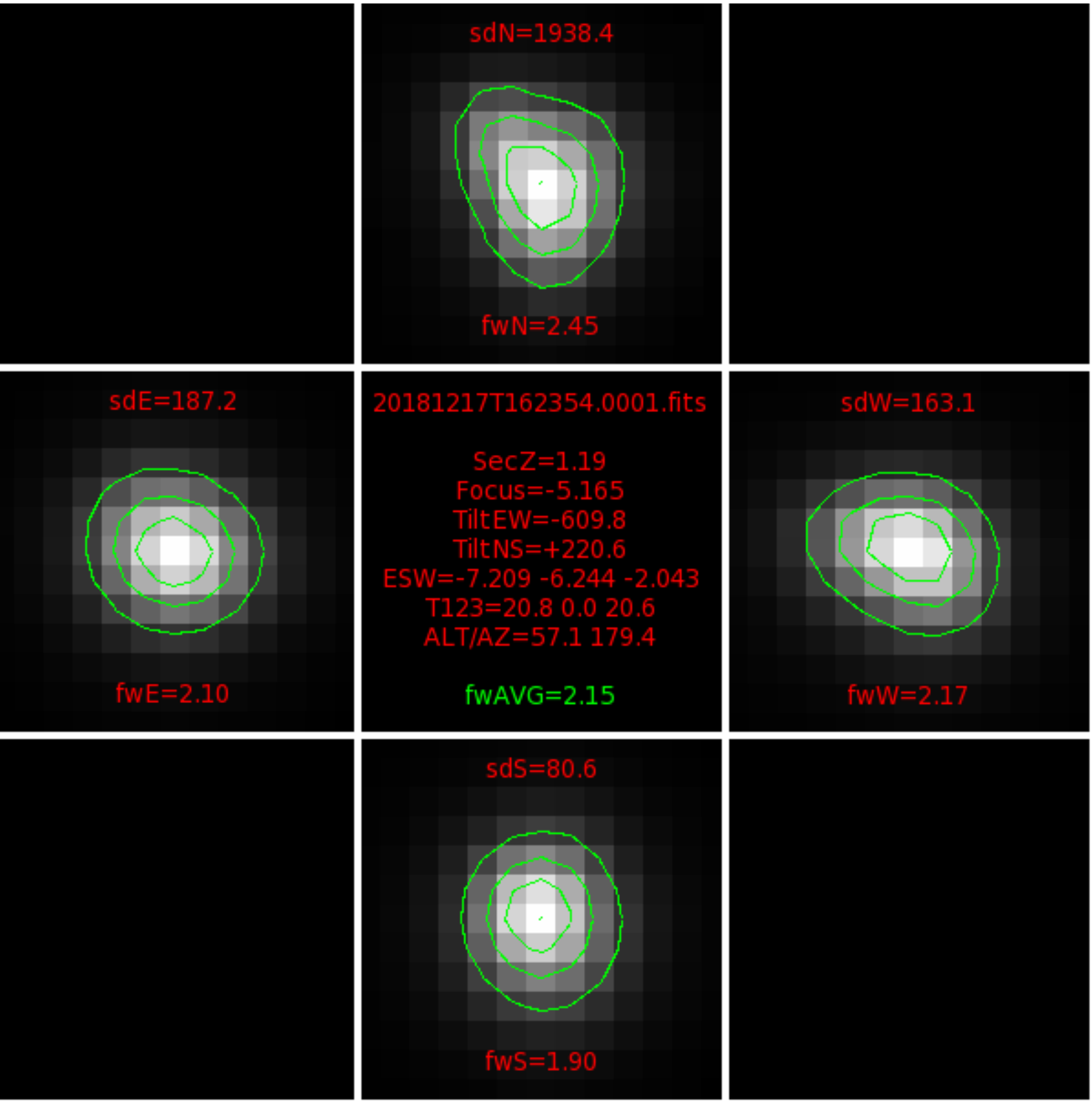
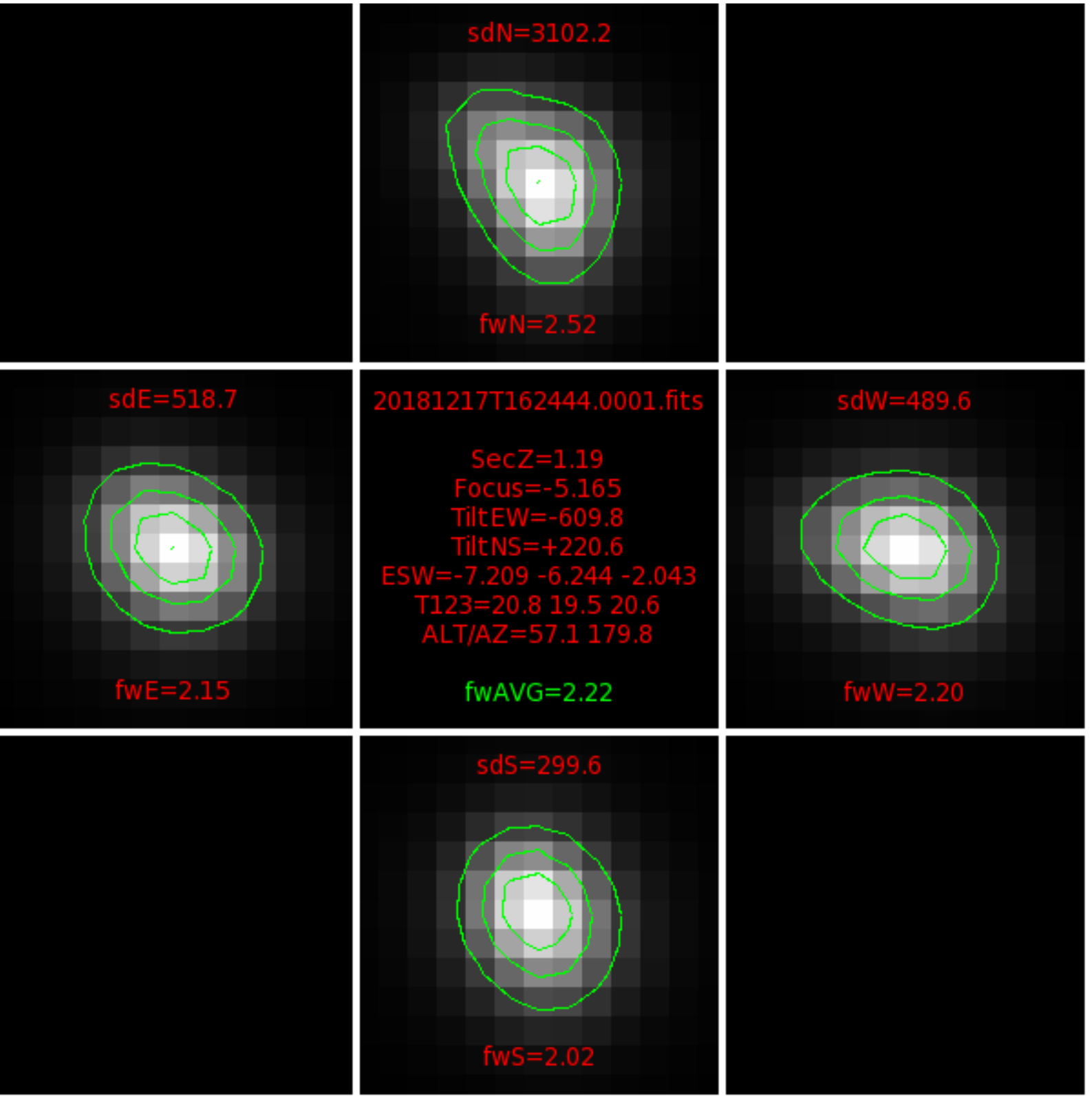
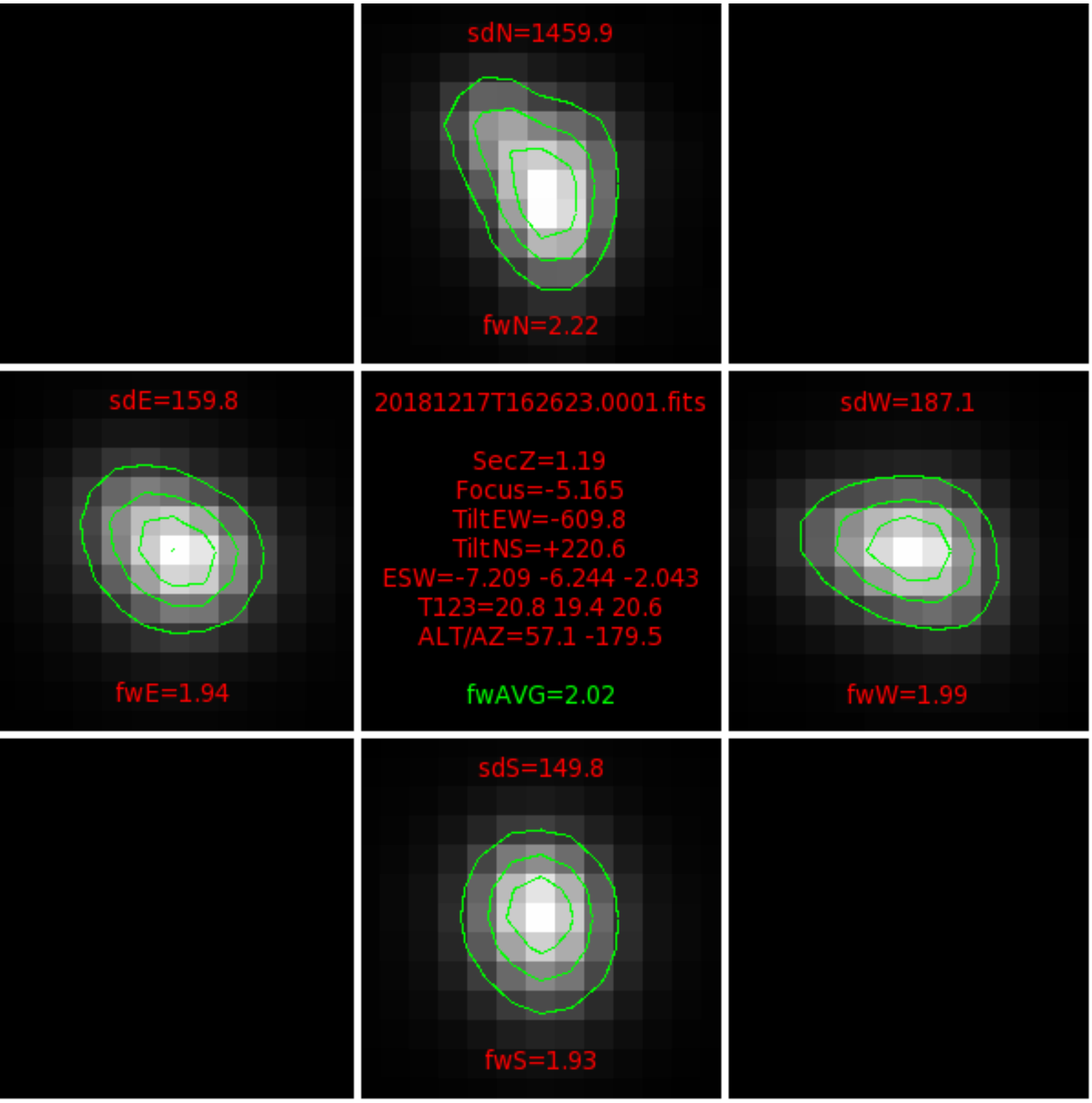
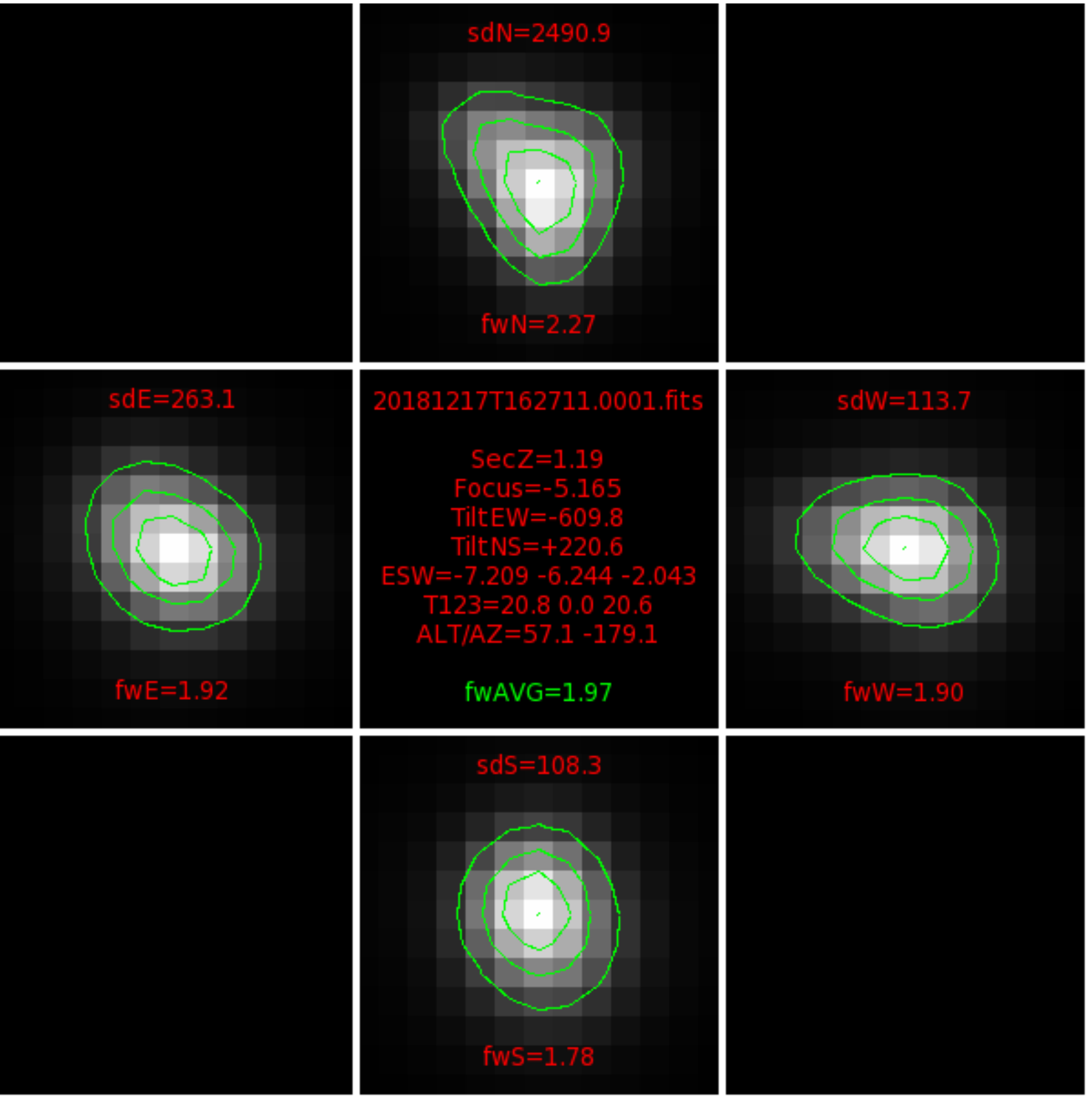

sdN=45.0
fwN=0.00
sdE=48.6
fwE=3.25
20181217T162213.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.7 0.0 20.6
ALT/AZ=57.1 178.6
sdW=22.8
fwW=2.95
sdS=52.6
fwS=2.52
0 0 0 0 0 0 0 0 0


sdN=1938.4
fwN=2.45
sdE=187.2
fwE=2.10
20181217T162354.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 0.0 20.6
ALT/AZ=57.1 179.4
fwAVG=2.15
sdW=163.1
fwW=2.17
sdS=80.6
fwS=1.90
0 0 0 0 0 0 0 0 0


sdN=3102.2
fwN=2.52
sdE=518.7
fwE=2.15
20181217T162444.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 19.5 20.6
ALT/AZ=57.1 179.8
fwAVG=2.22
sdW=489.6
fwW=2.20
sdS=299.6
fwS=2.02
0 0 0 0 0 0 0 0 0


sdN=1459.9
fwN=2.22
sdE=159.8
fwE=1.94
20181217T162623.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 19.4 20.6
ALT/AZ=57.1 -179.5
fwAVG=2.02
sdW=187.1
fwW=1.99
sdS=149.8
fwS=1.93
0 0 0 0 0 0 0 0 0


sdN=2490.9
fwN=2.27
sdE=263.1
fwE=1.92
20181217T162711.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 0.0 20.6
ALT/AZ=57.1 -179.1
fwAVG=1.97
sdW=113.7
fwW=1.90
sdS=108.3
fwS=1.78
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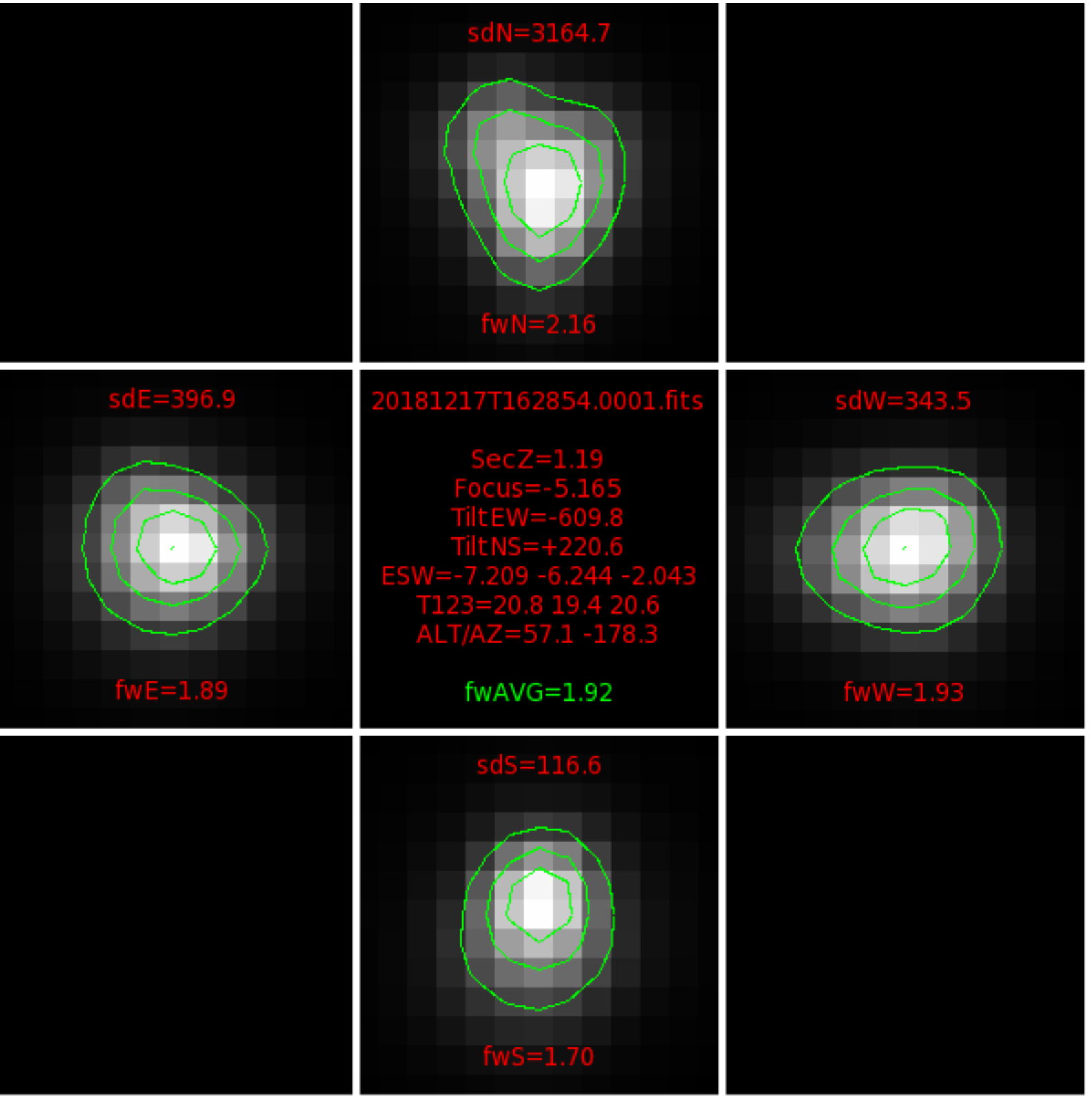
sdN=3164.7
fwN=2.16
sdE=396.9
fwE=1.89
20181217T162854.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 19.4 20.6
ALT/AZ=57.1 -178.3
fwAVG=1.92
sdW=343.5
fwW=1.93
sdS=116.6
fwS=1.70
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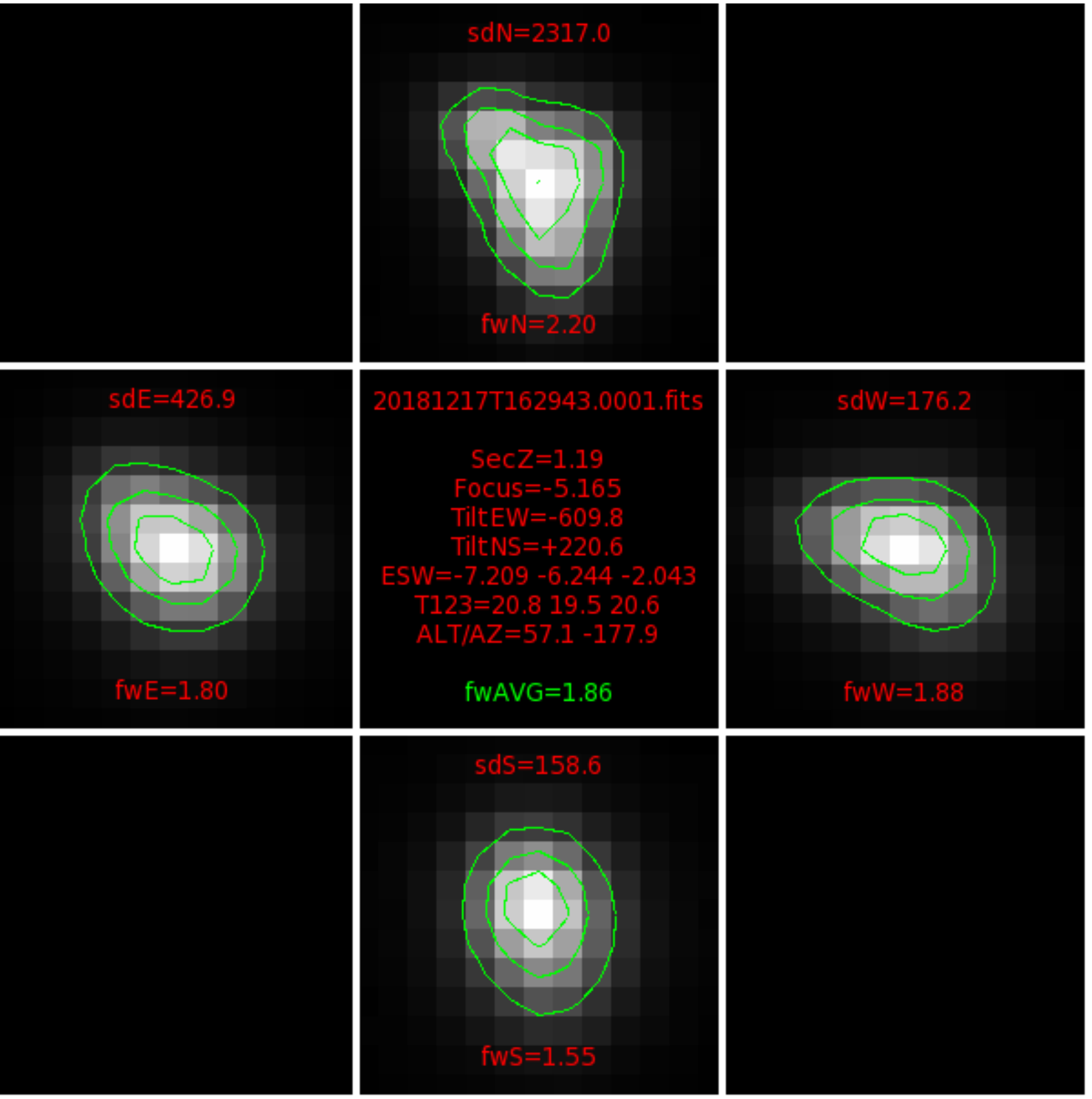
sdN=2317.0
fwN=2.20
sdE=426.9
fwE=1.80
20181217T162943.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 19.5 20.6
ALT/AZ=57.1 -177.9
fwAVG=1.86
sdW=176.2
fwW=1.88
sdS=158.6
fwS=1.55
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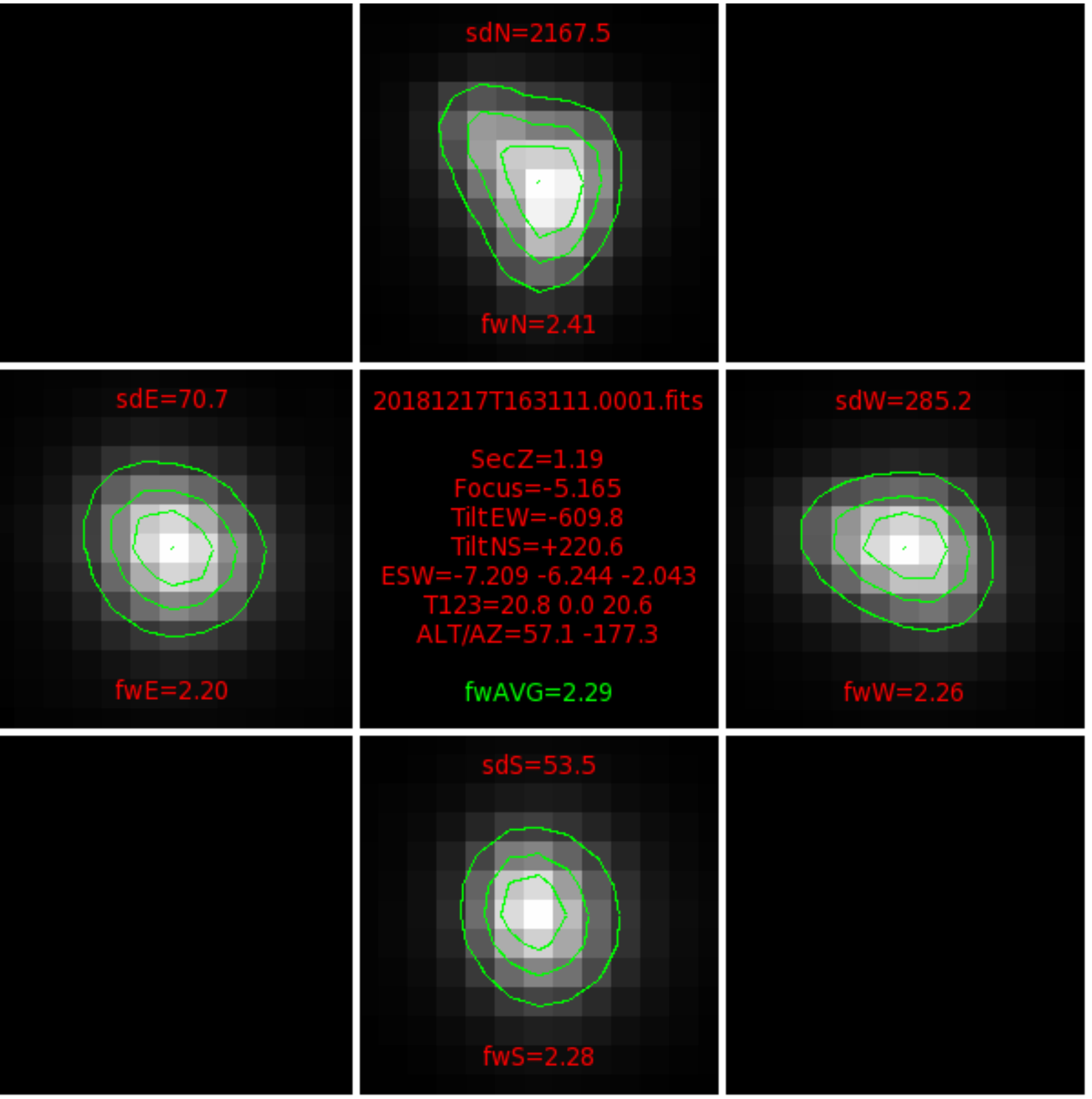
sdN=2167.5
fwN=2.41
sdE=70.7
fwE=2.20
20181217T163111.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 0.0 20.6
ALT/AZ=57.1 -177.3
fwAVG=2.29
sdW=285.2
fwW=2.26
sdS=53.5
fwS=2.28
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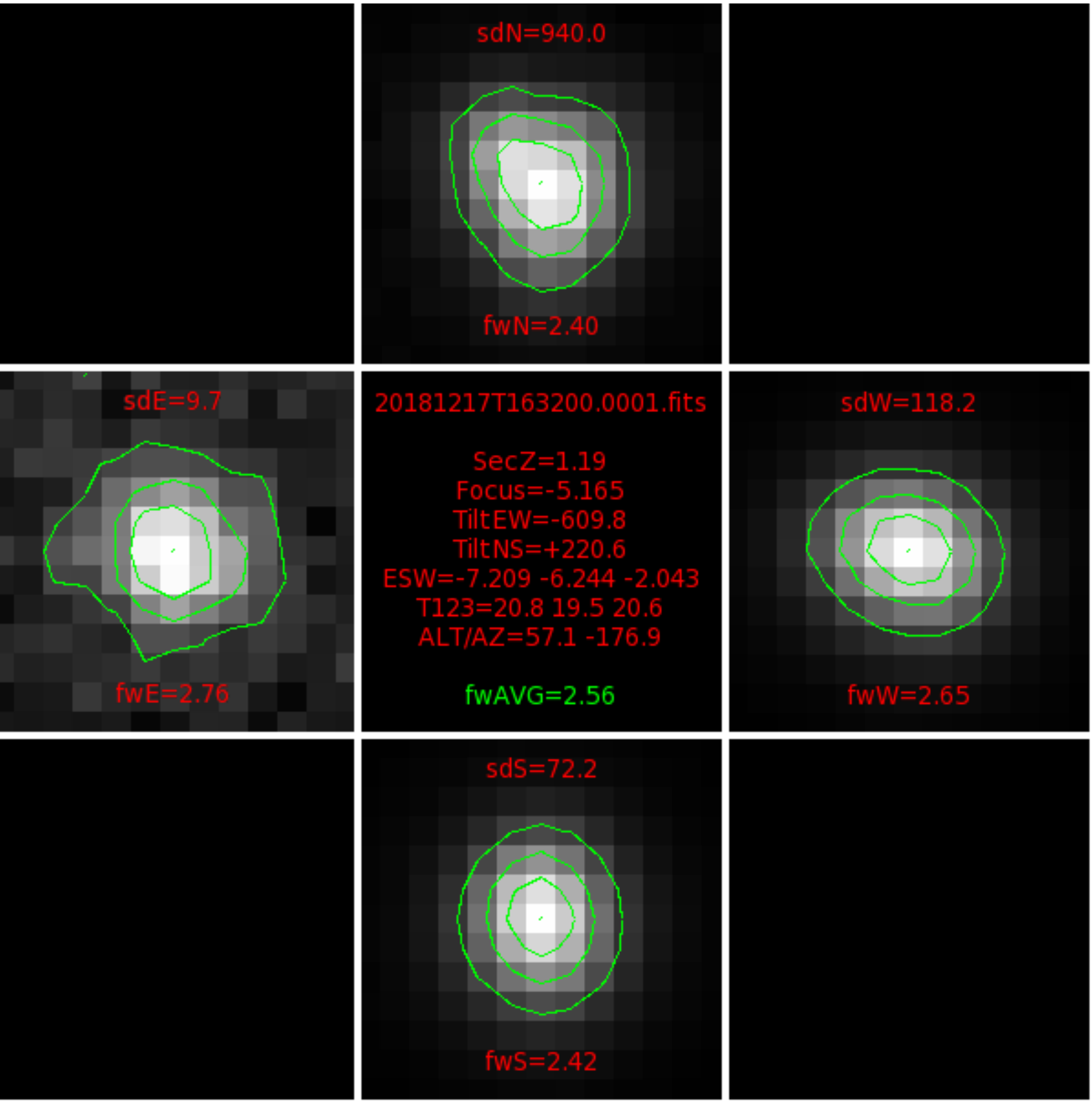
sdN=940.0
fwN=2.40
sdE=9.7
fwE=2.76
20181217T163200.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 19.5 20.6
ALT/AZ=57.1 -176.9
fwAVG=2.56
sdW=118.2
fwW=2.65
sdS=72.2
fwS=2.42
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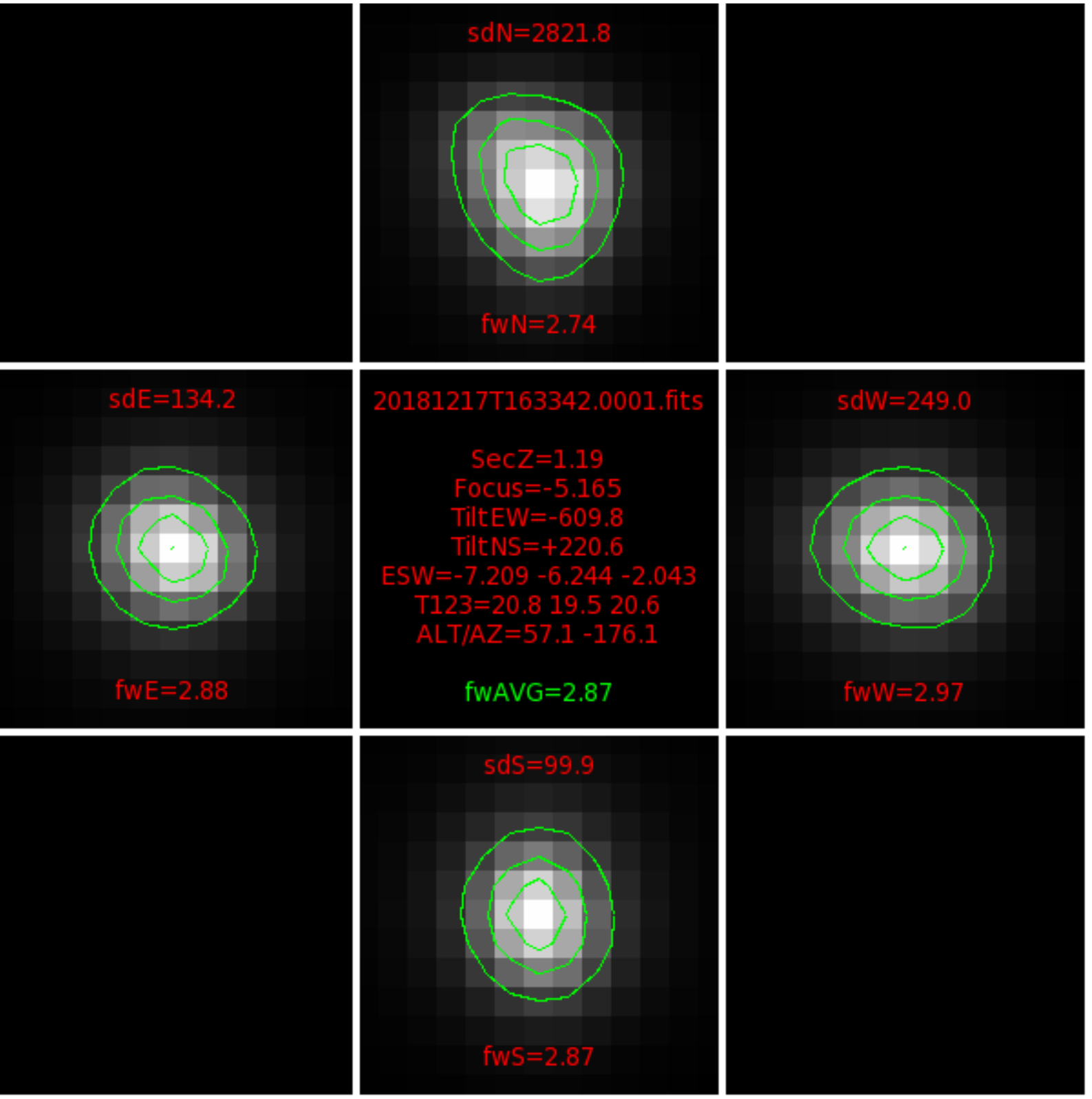
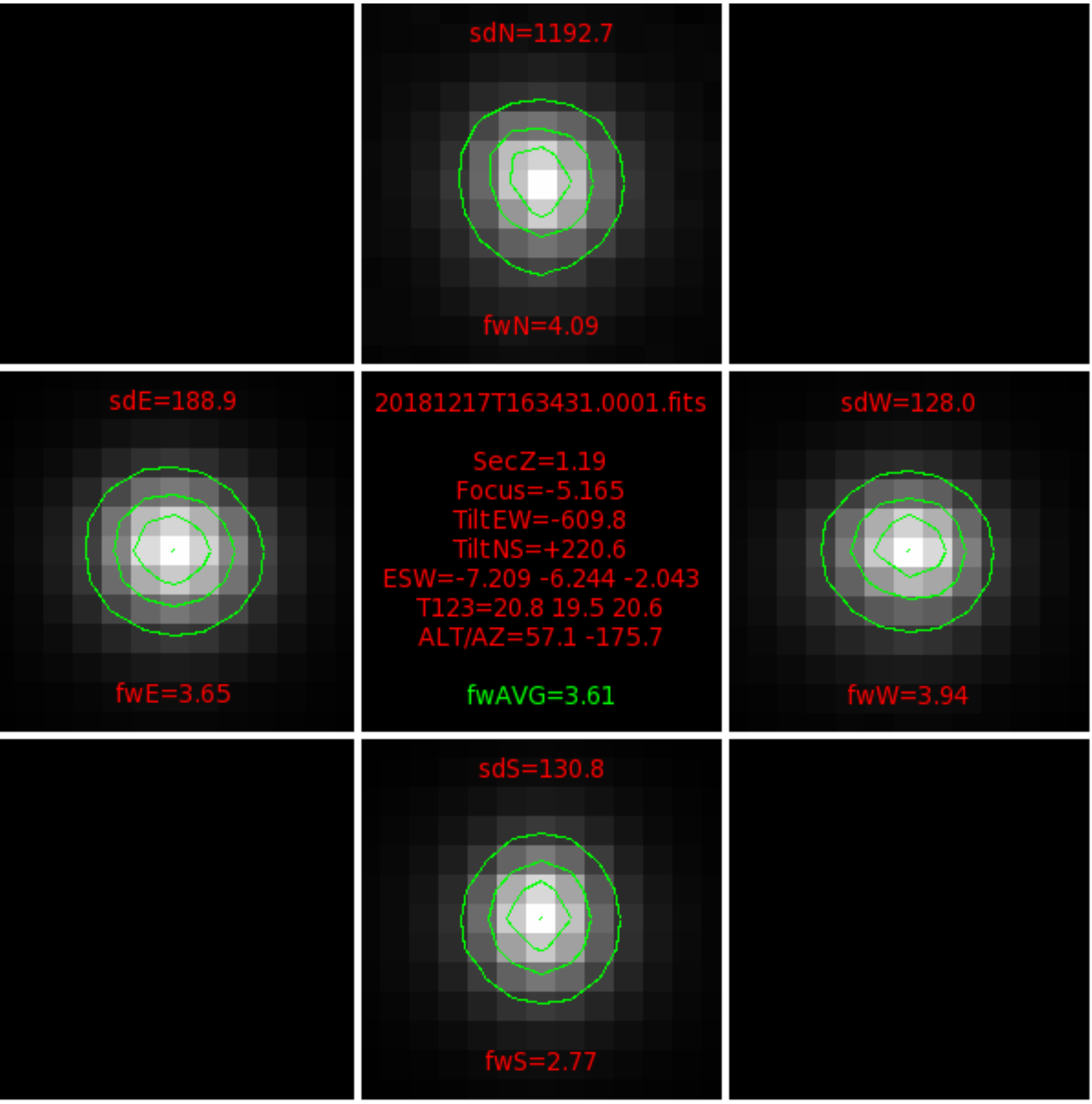

sdN=2821.8
fwN=2.74
sdE=134.2
fwE=2.88
20181217T163342.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 19.5 20.6
ALT/AZ=57.1 -176.1
fwAVG=2.87
sdW=249.0
fwW=2.97
sdS=99.9
fwS=2.87
0 0 0 0 0 0 0 0 0


sdN=1192.7
fwN=4.09
sdE=188.9
fwE=3.65
20181217T163431.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 19.5 20.6
ALT/AZ=57.1 -175.7
fwAVG=3.61
sdW=128.0
fwW=3.94
sdS=130.8
fwS=2.77
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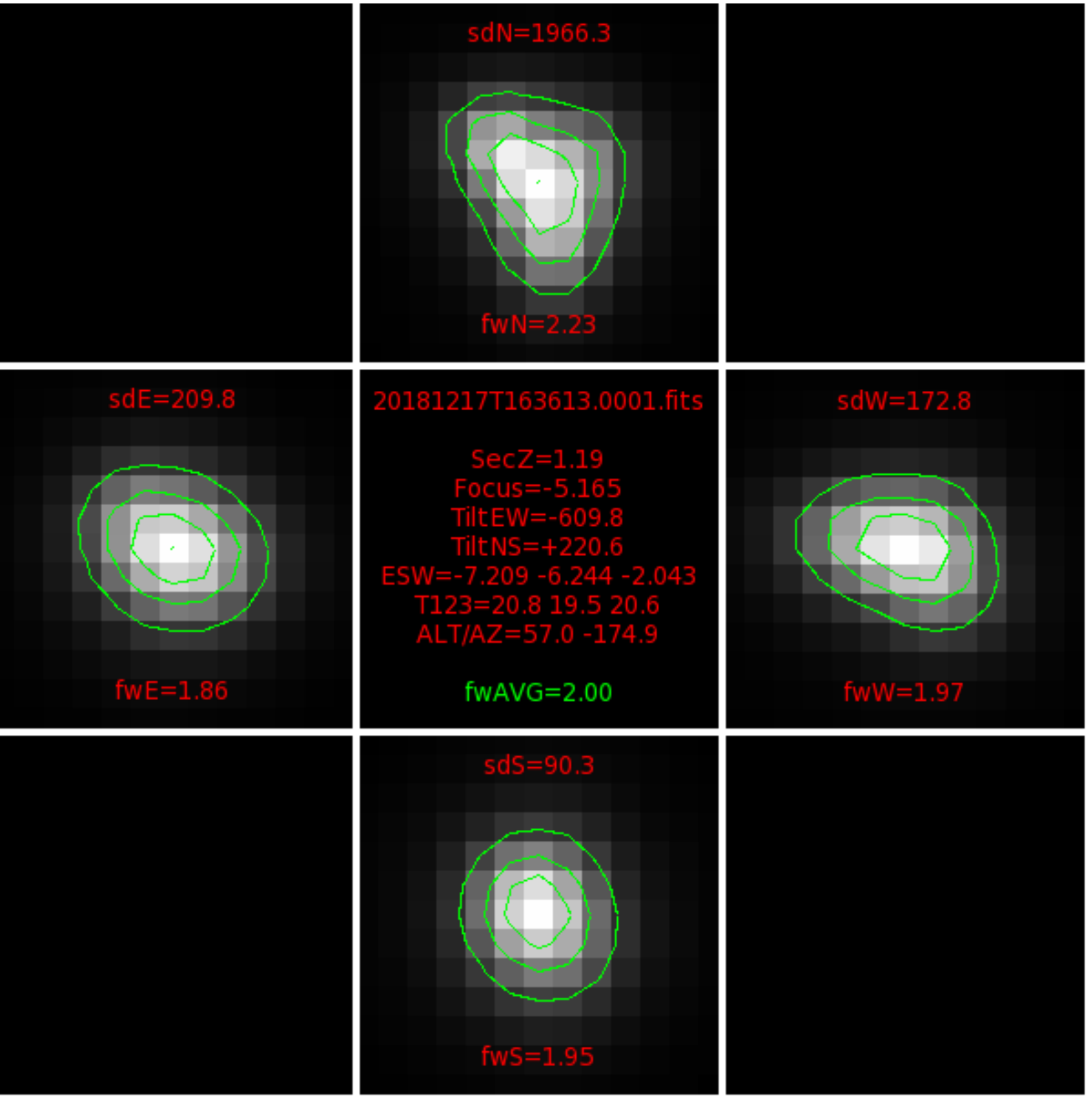
sdN=1966.3
fwN=2.23
sdE=209.8
fwE=1.86
20181217T163613.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 19.5 20.6
ALT/AZ=57.0 -174.9
fwAVG=2.00
sdW=172.8
fwW=1.97
sdS=90.3
fwS=1.95
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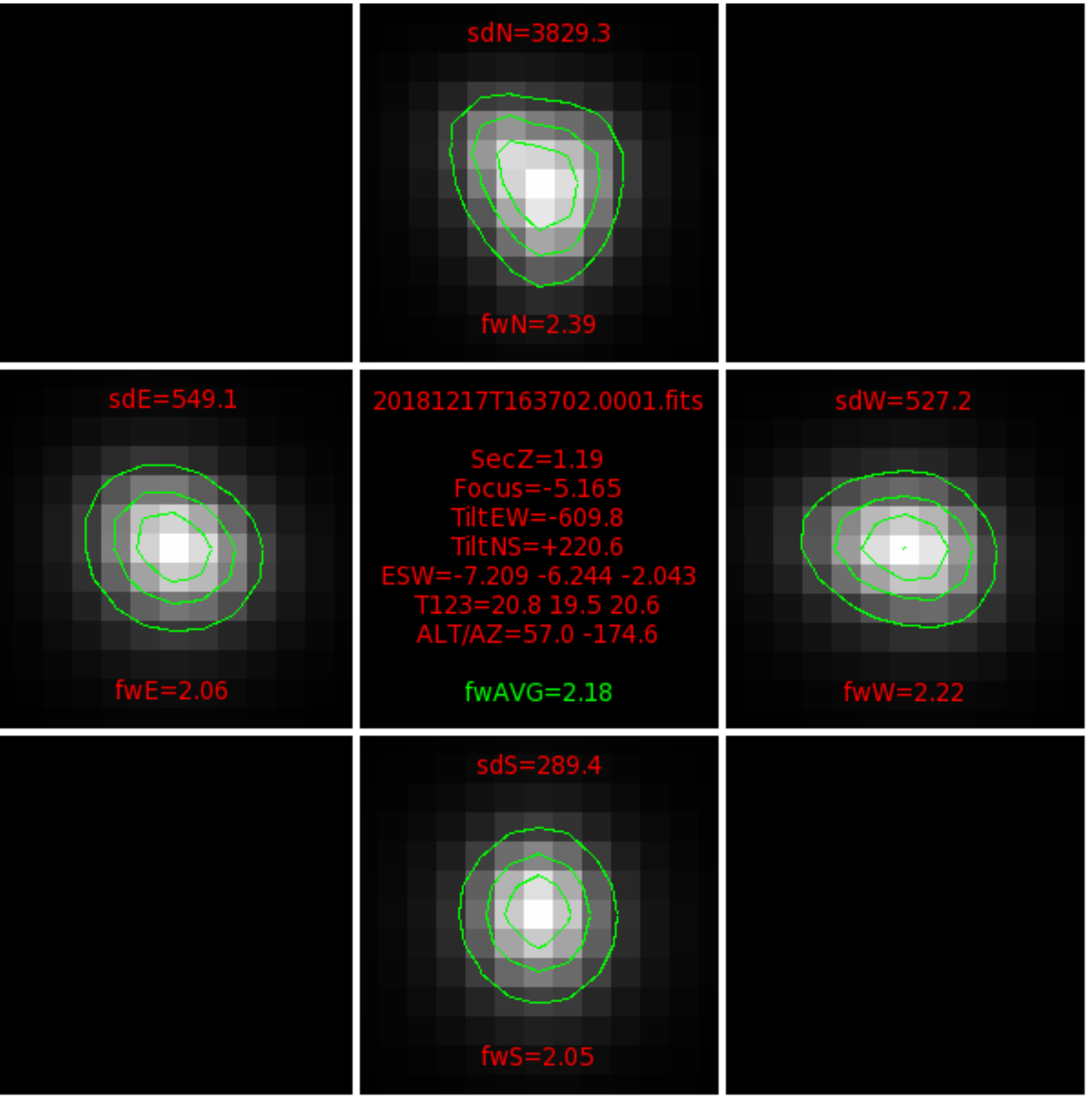
sdN=3829.3
fwN=2.39
sdE=549.1
fwE=2.06
20181217T163702.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 19.5 20.6
ALT/AZ=57.0 -174.6
fwAVG=2.18
sdW=527.2
fwW=2.22
sdS=289.4
fwS=2.05
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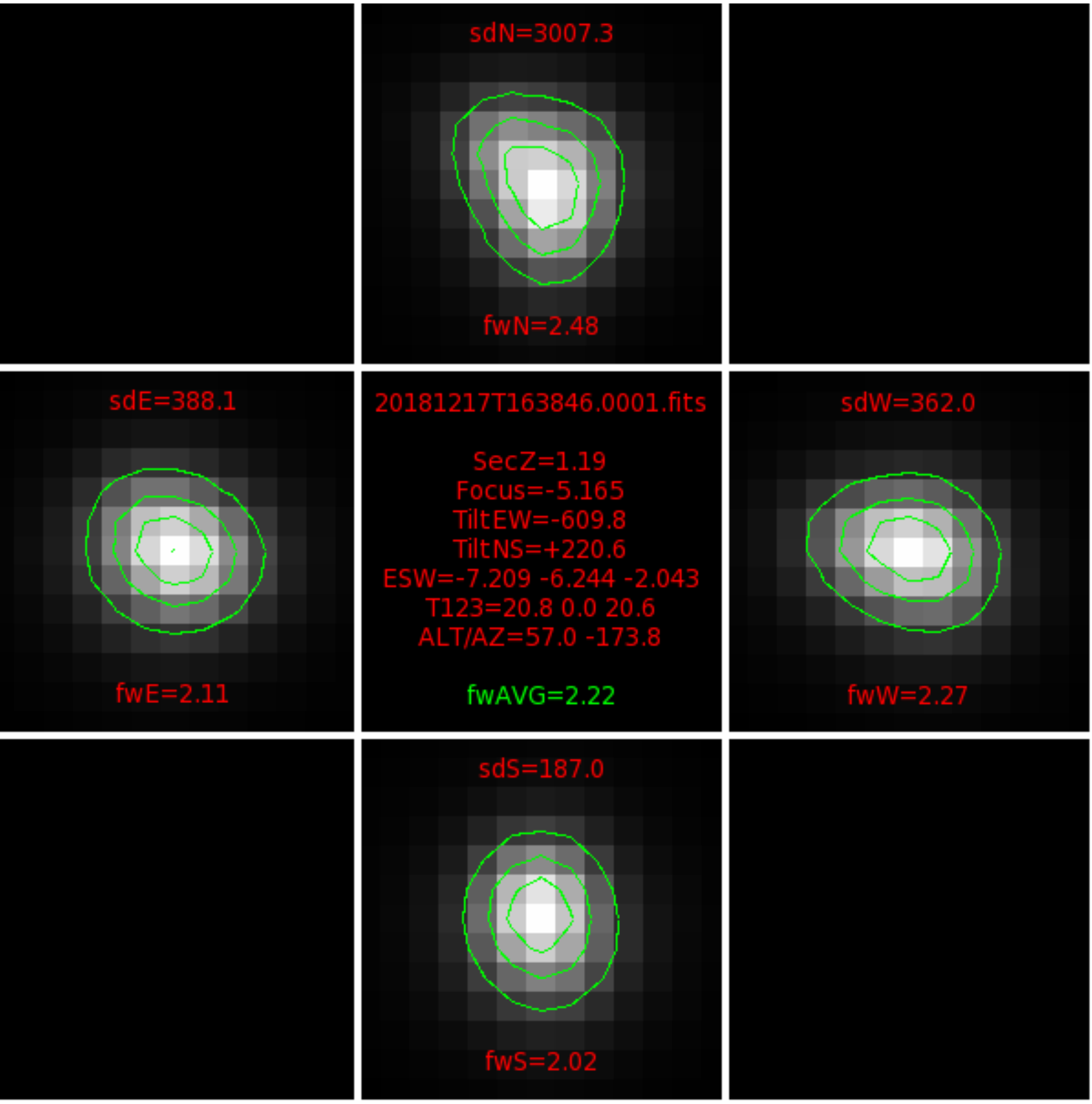
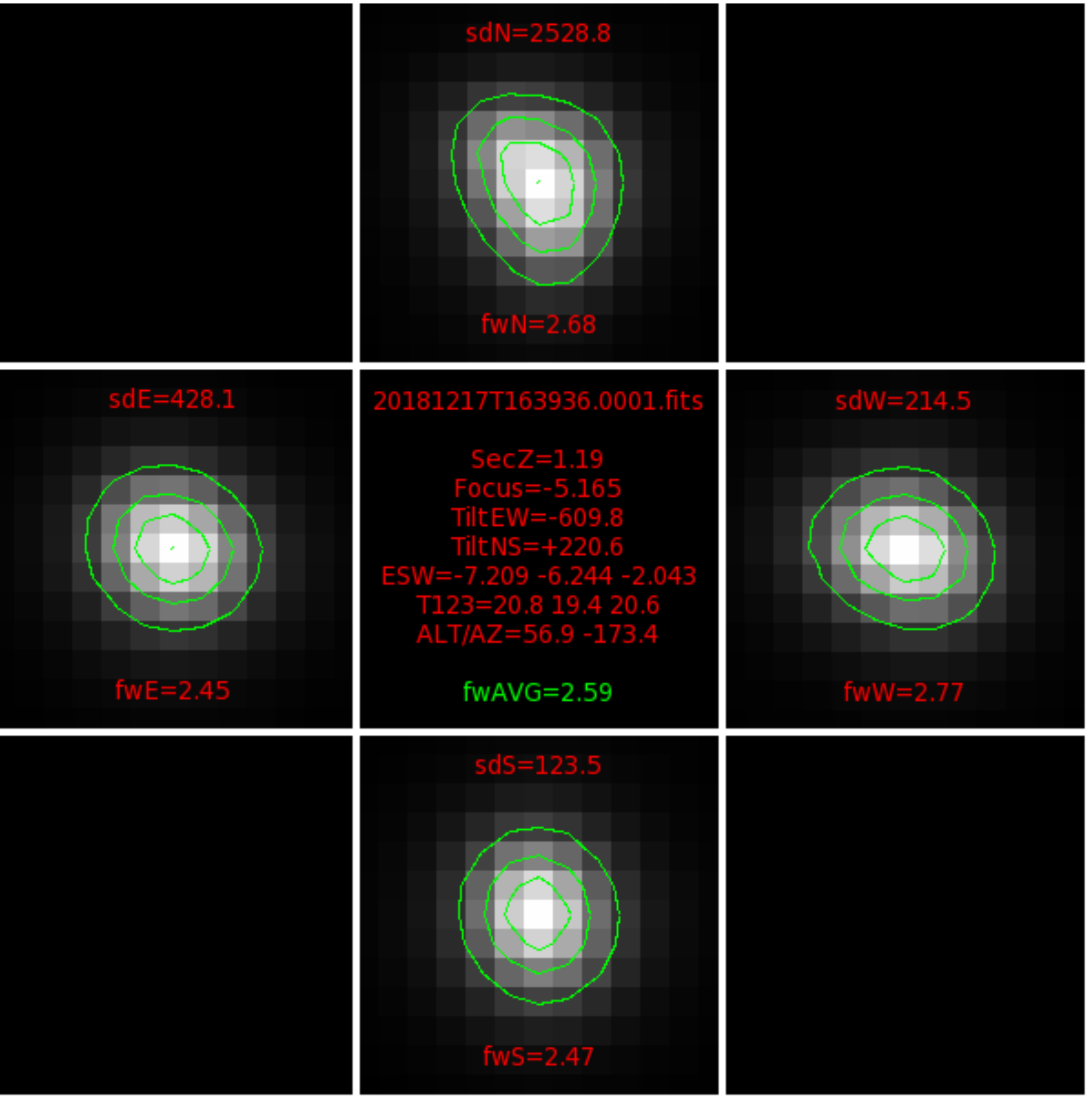

sdN=3007.3
fwN=2.48
sdE=388.1
fwE=2.11
20181217T163846.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 0.0 20.6
ALT/AZ=57.0 -173.8
fwAVG=2.22
sdW=362.0
fwW=2.27
sdS=187.0
fwS=2.02
0 0 0 0 0 0 0 0 0


sdN=2528.8
fwN=2.68
sdE=428.1
fwE=2.45
20181217T163936.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 19.4 20.6
ALT/AZ=56.9 -173.4
fwAVG=2.59
sdW=214.5
fwW=2.77
sdS=123.5
fwS=2.47
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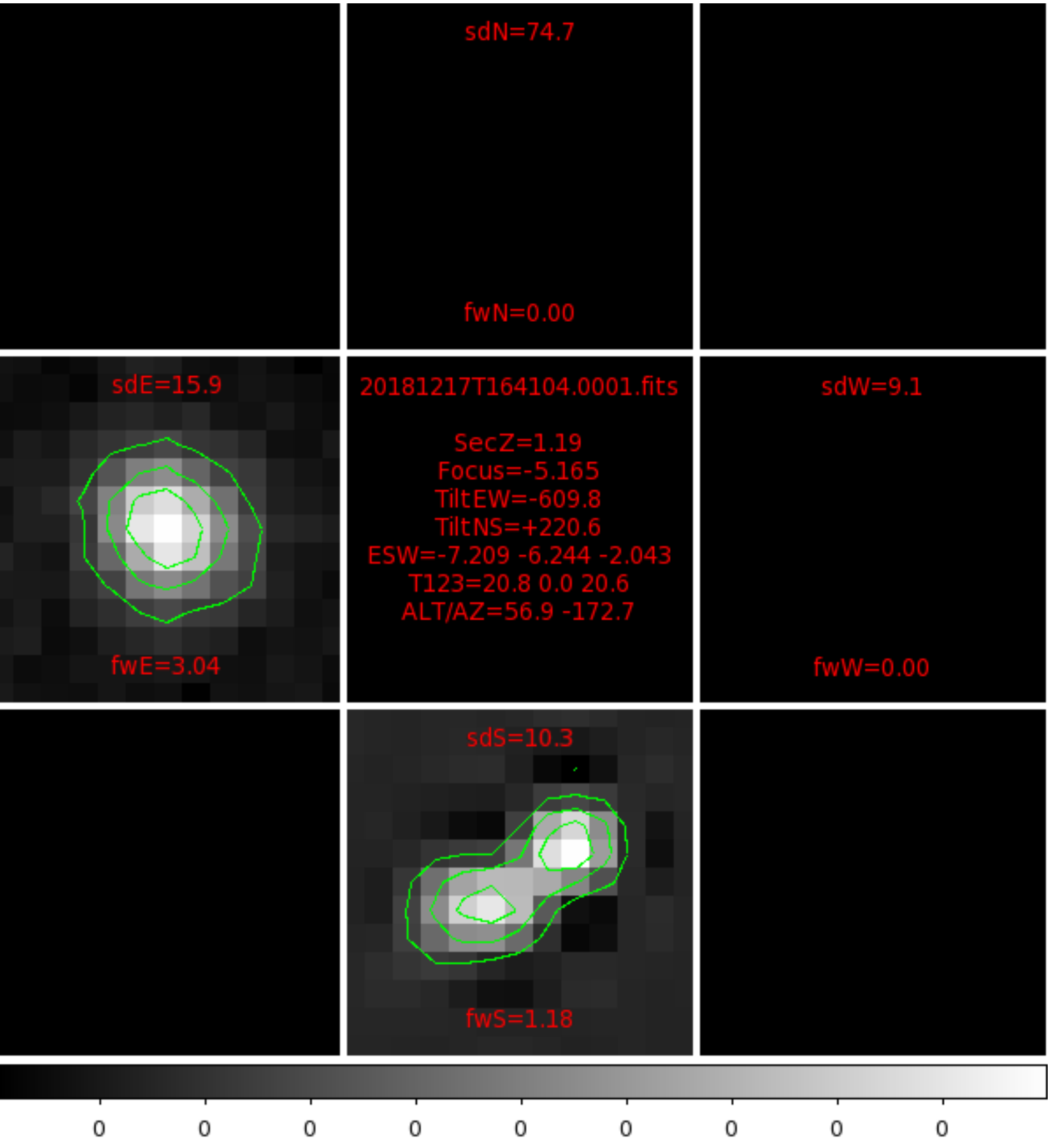
sdN=74.7
fwN=0.00
sdE=15.9
fwE=3.04
20181217T164104.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 0.0 20.6
ALT/AZ=56.9 -172.7
sdW=9.1
fwW=0.00
sdS=10.3
fwS=1.18
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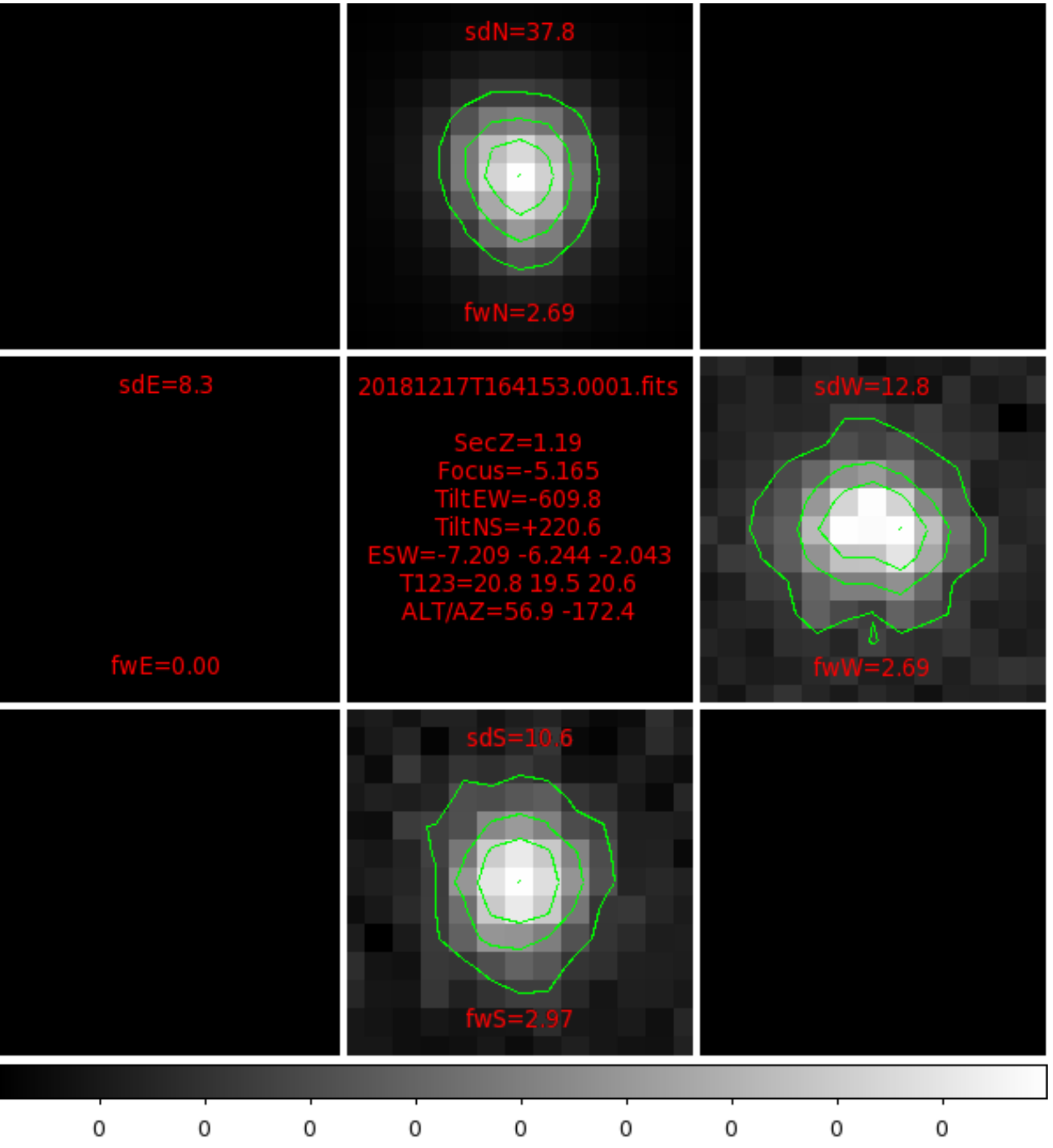
sdN=37.8
fwN=2.69
sdE=8.3
fwE=0.00
20181217T164153.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 19.5 20.6
ALT/AZ=56.9 -172.4
sdW=12.8
fwW=2.69
sdS=10.6
fwS=2.97
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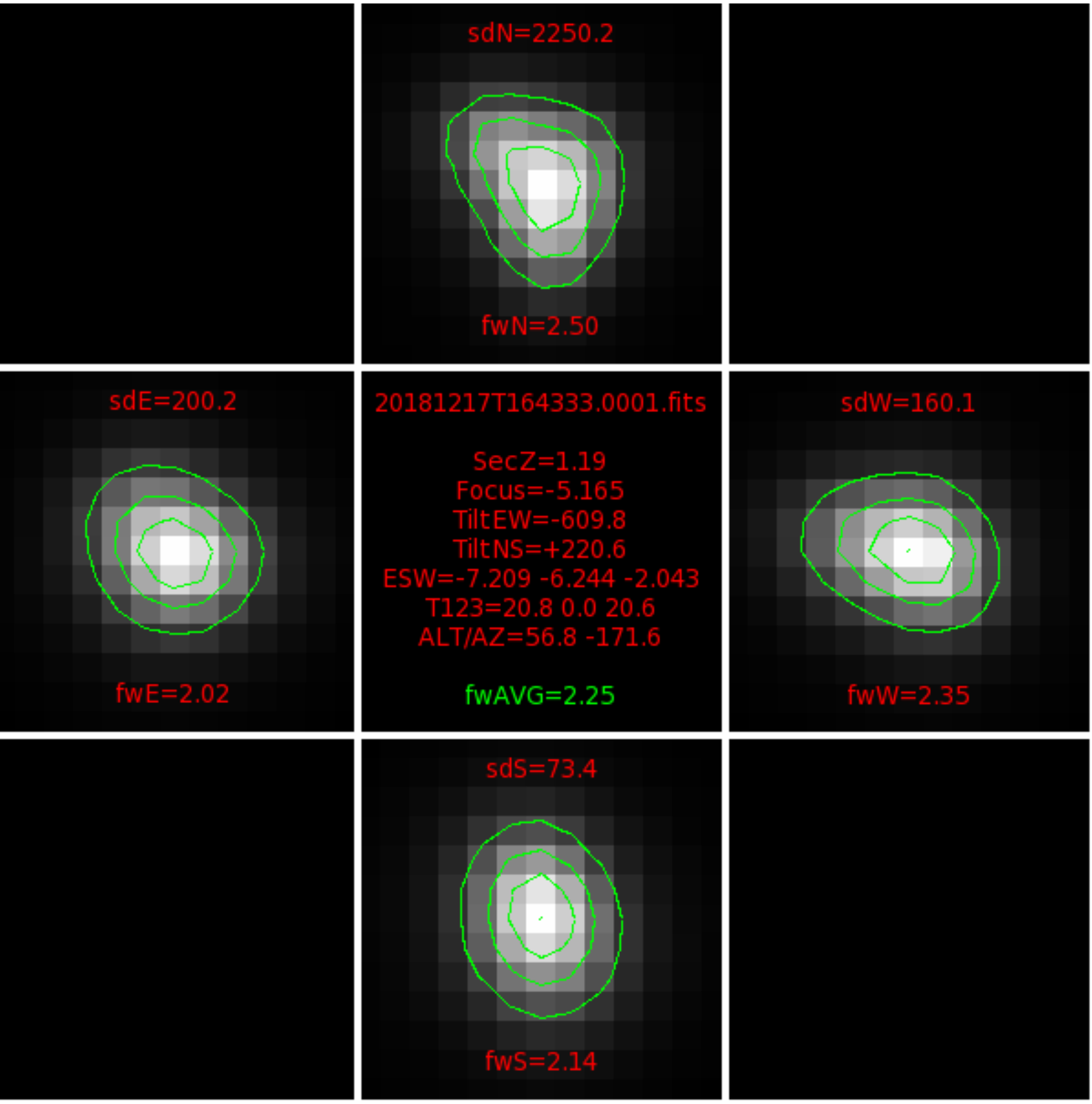
sdN=2250.2
fwN=2.50
sdE=200.2
fwE=2.02
20181217T164333.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.8 0.0 20.6
ALT/AZ=56.8 -171.6
fwAVG=2.25
sdW=160.1
fwW=2.35
sdS=73.4
fwS=2.14
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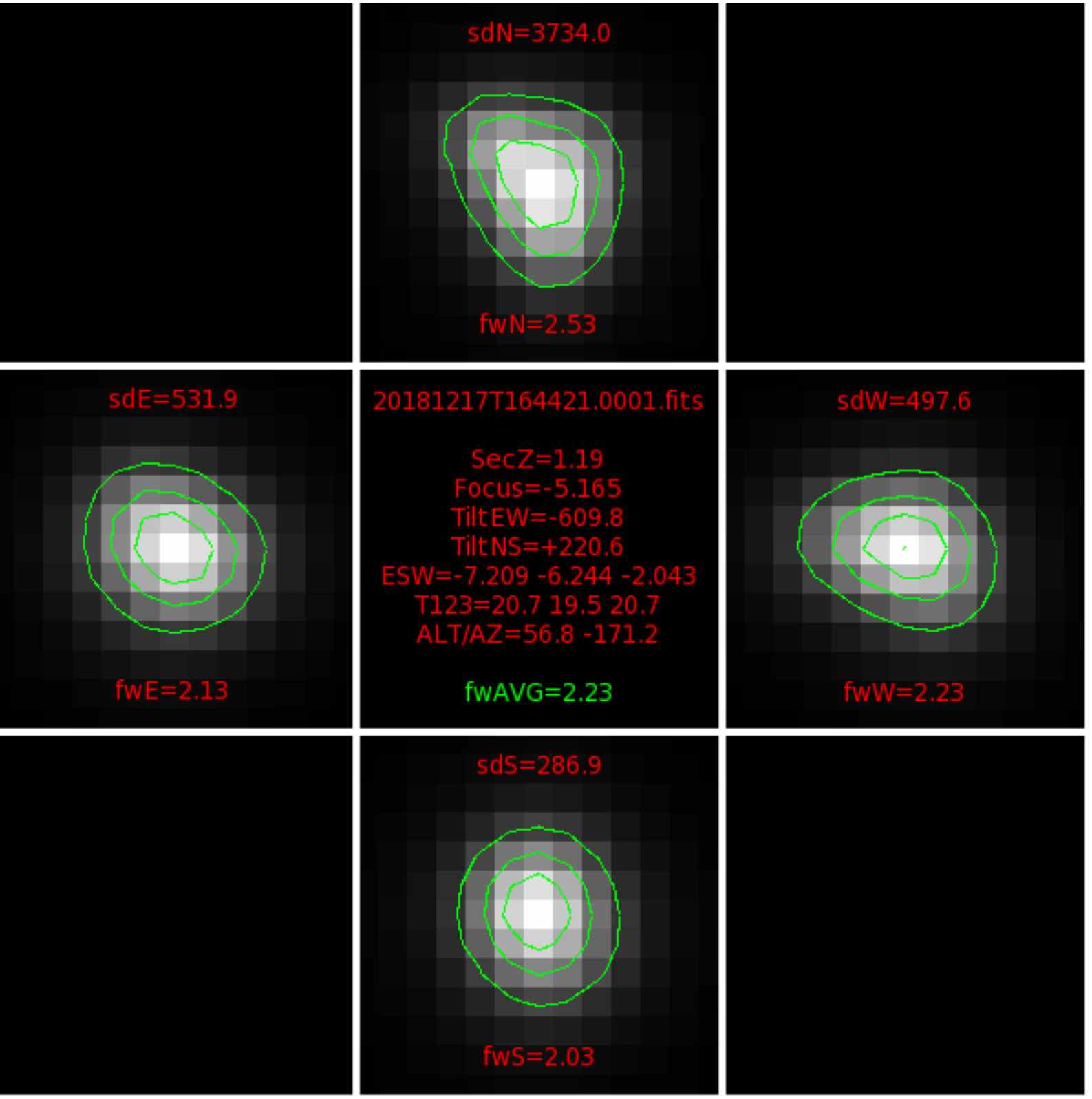
sdN=3734.0
fwN=2.53
sdE=531.9
fwE=2.13
20181217T164421.0001.fits
SecZ=1.19
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.7 19.5 20.7
ALT/AZ=56.8 -171.2
fwAVG=2.23
sdW=497.6
fwW=2.23
sdS=286.9
fwS=2.03
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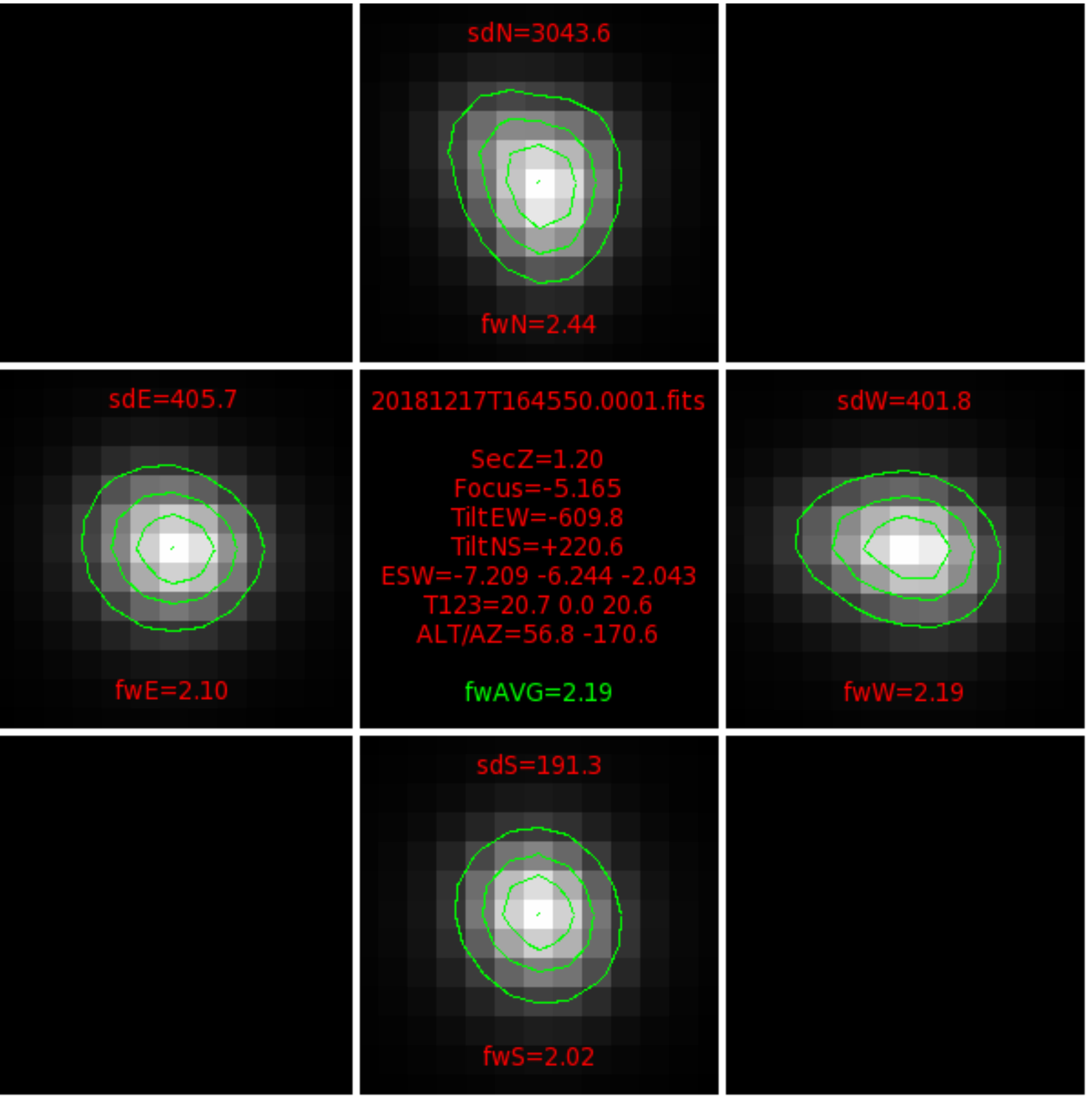
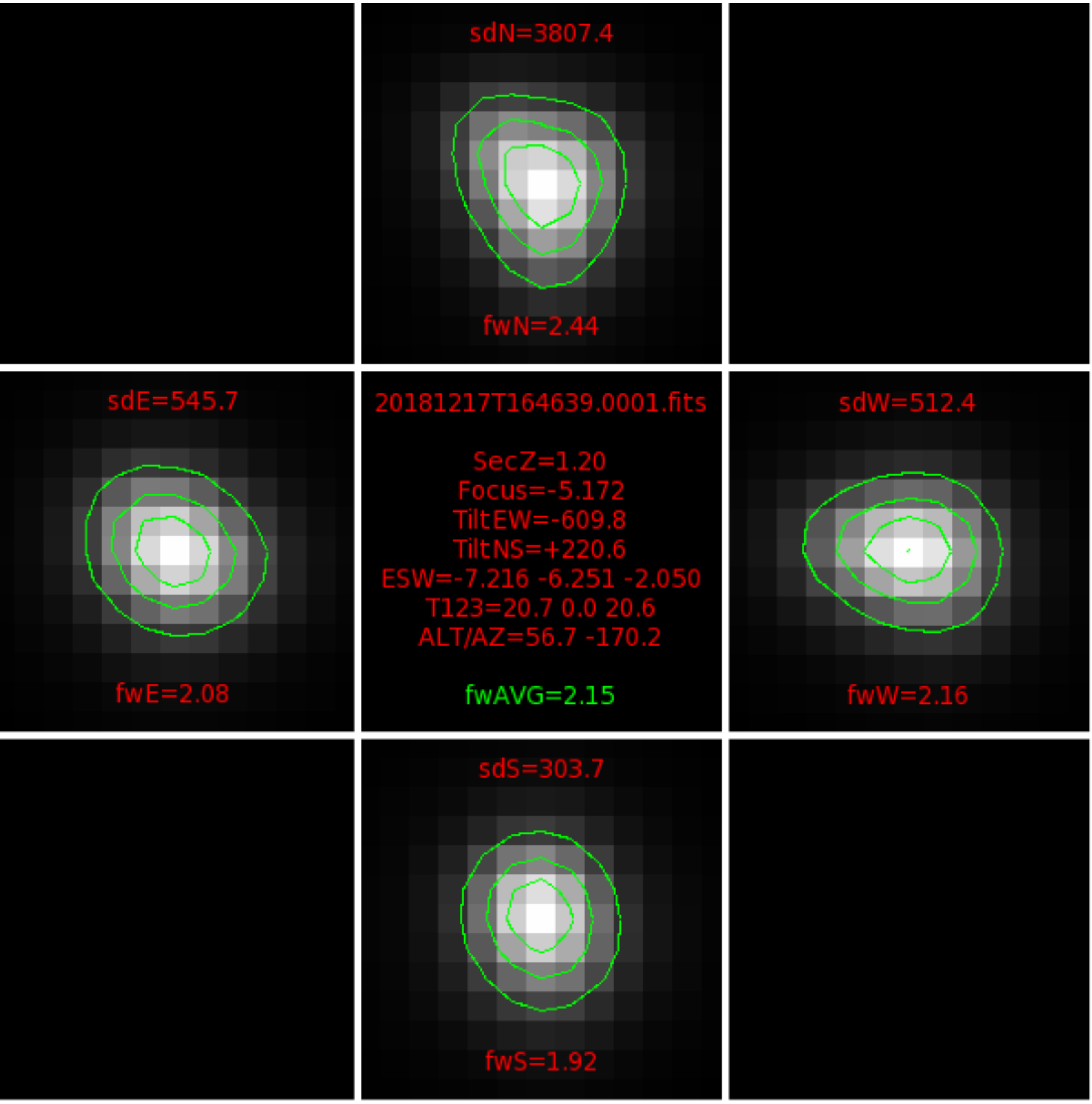

sdN=3043.6
fwN=2.44
sdE=405.7
fwE=2.10
20181217T164550.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.7 0.0 20.6
ALT/AZ=56.8 -170.6
fwAVG=2.19
sdW=401.8
fwW=2.19
sdS=191.3
fwS=2.02
0 0 0 0 0 0 0 0 0


sdN=3807.4
fwN=2.44
sdE=545.7
fwE=2.08
20181217T164639.0001.fits
SecZ=1.20
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=20.7 0.0 20.6
ALT/AZ=56.7 -170.2
fwAVG=2.15
sdW=512.4
fwW=2.16
sdS=303.7
fwS=1.92
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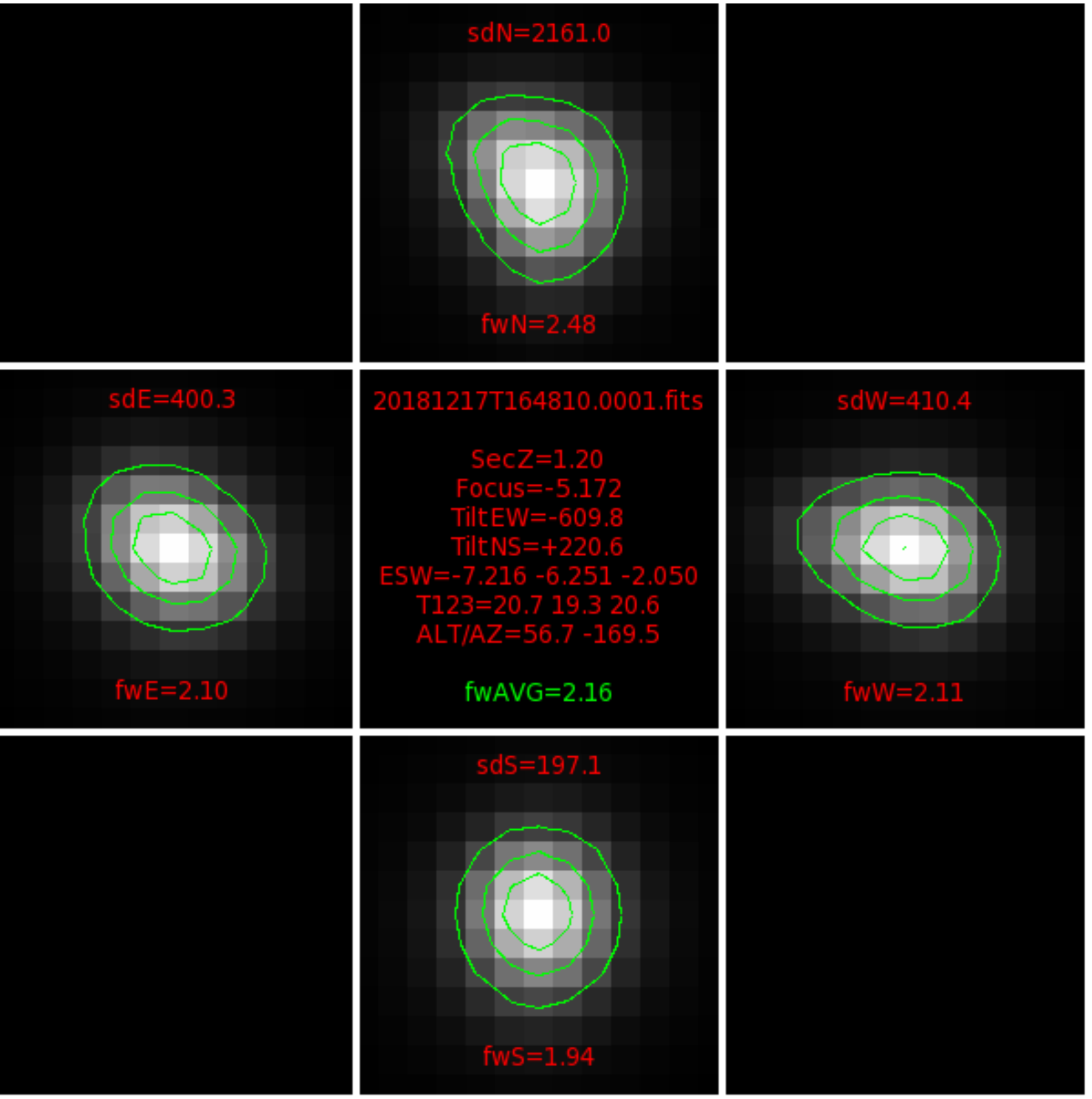
sdN=2161.0
fwN=2.48
sdE=400.3
fwE=2.10
20181217T164810.0001.fits
SecZ=1.20
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=20.7 19.3 20.6
ALT/AZ=56.7 -169.5
fwAVG=2.16
sdW=410.4
fwW=2.11
sdS=197.1
fwS=1.94
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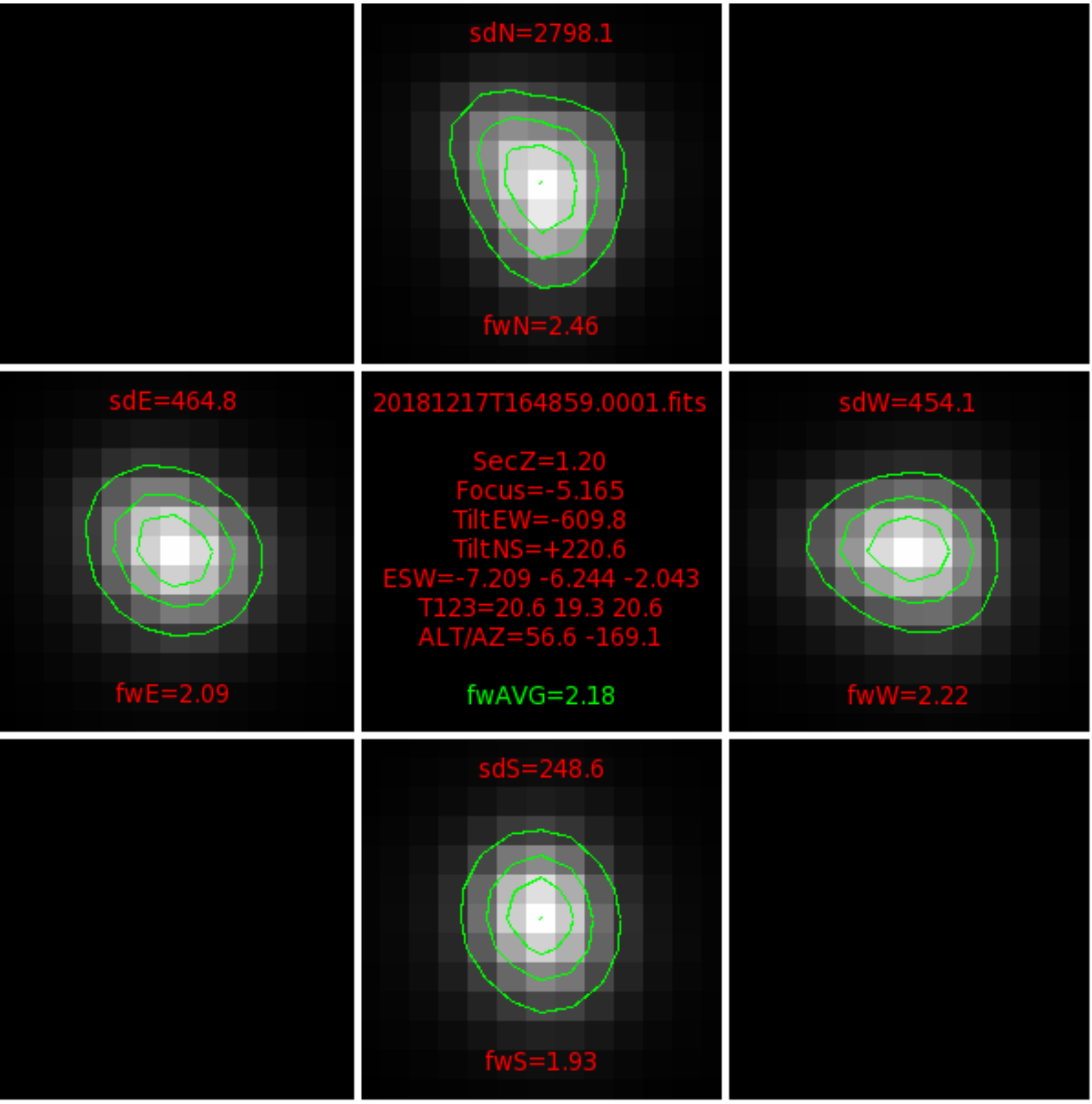
sdN=2798.1
fwN=2.46
sdE=464.8
fwE=2.09
20181217T164859.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 19.3 20.6
ALT/AZ=56.6 -169.1
fwAVG=2.18
sdW=454.1
fwW=2.22
sdS=248.6
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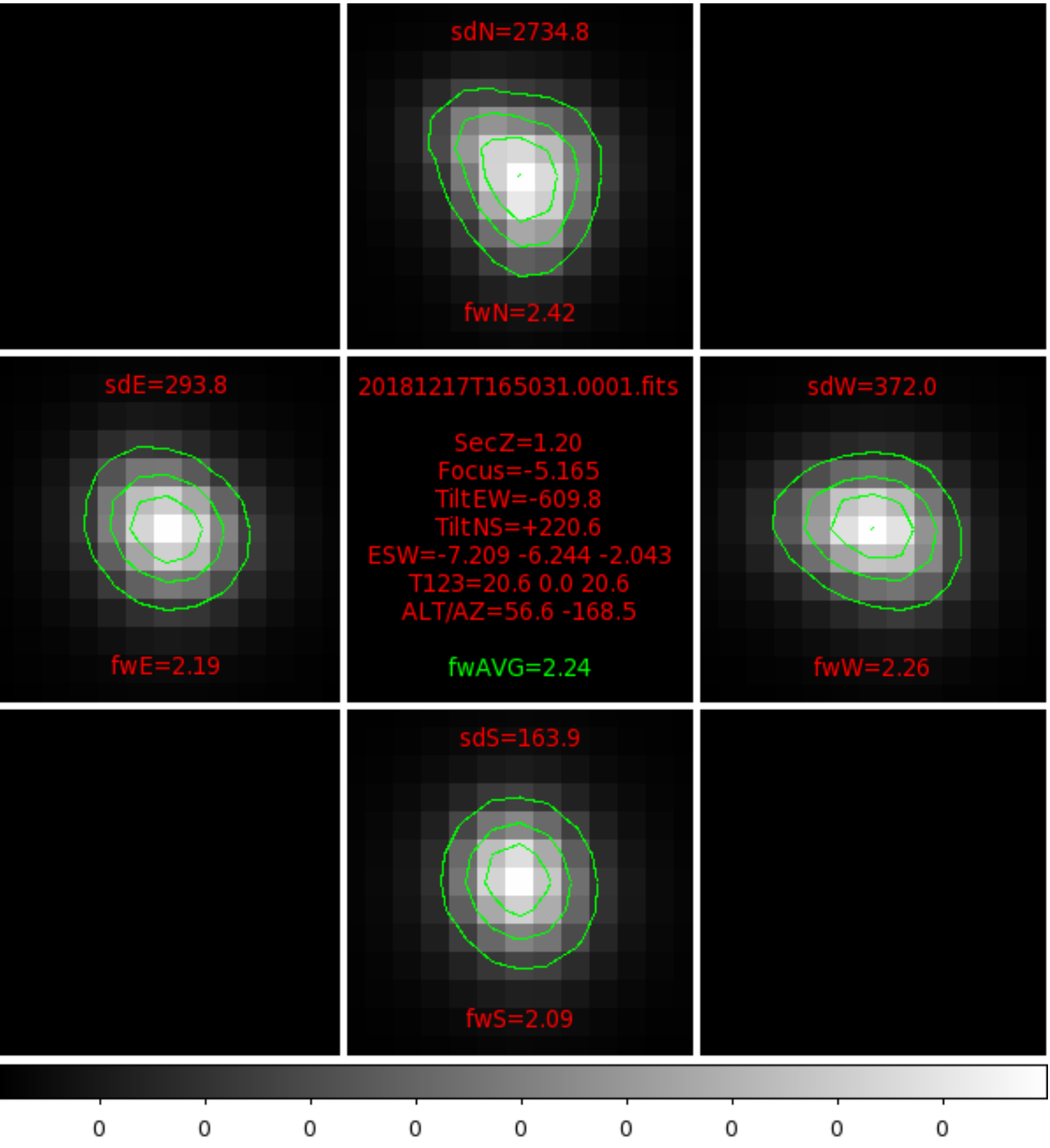
sdN=2734.8
fwN=2.42
sdE=293.8
fwE=2.19
20181217T165031.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 0.0 20.6
ALT/AZ=56.6 -168.5
fwAVG=2.24
sdW=372.0
fwW=2.26
sdS=163.9
fwS=2.09
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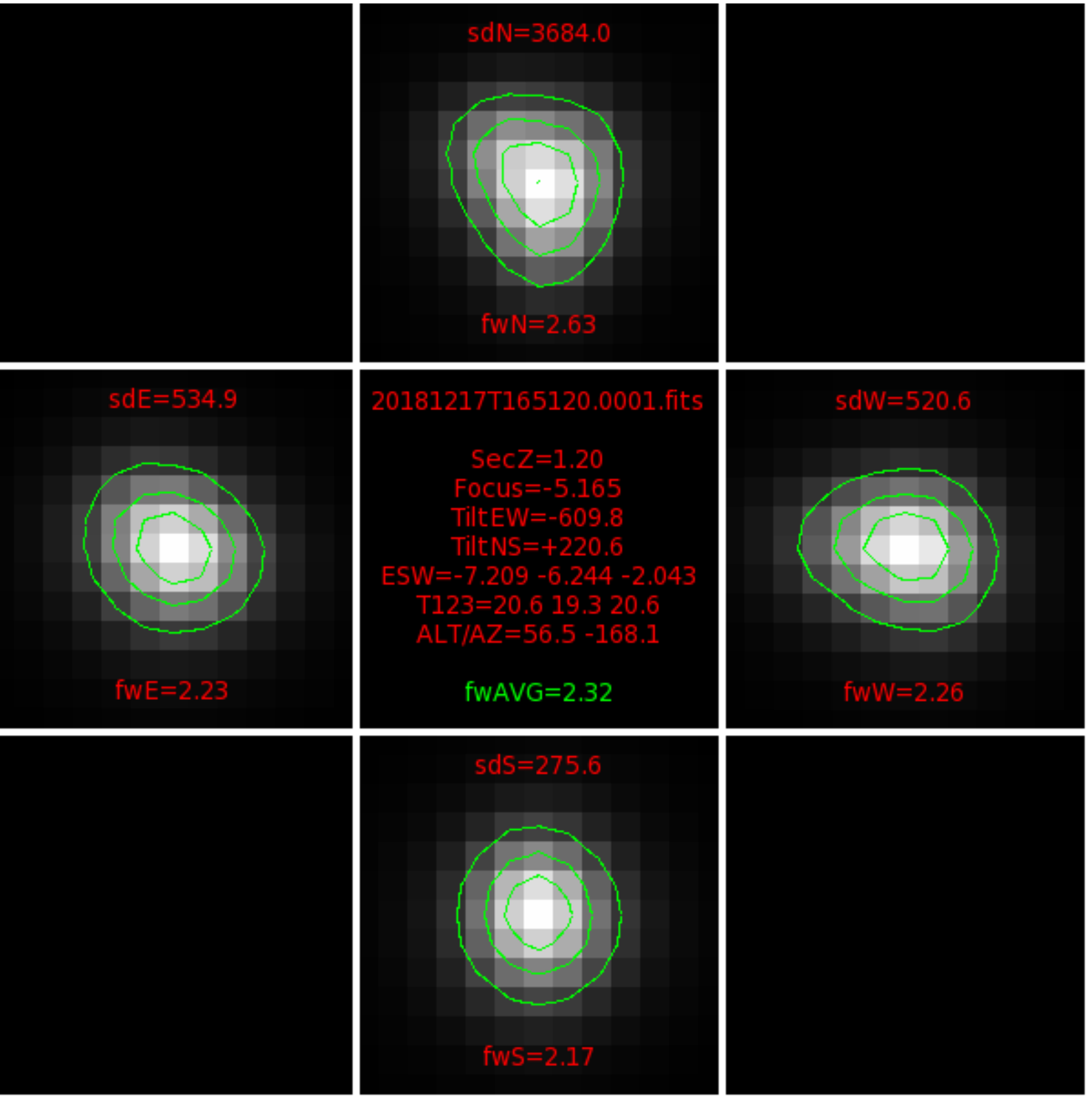
sdN=3684.0
fwN=2.63
sdE=534.9
fwE=2.23
20181217T165120.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 19.3 20.6
ALT/AZ=56.5 -168.1
fwAVG=2.32
sdW=520.6
fwW=2.26
sdS=275.6
fwS=2.17
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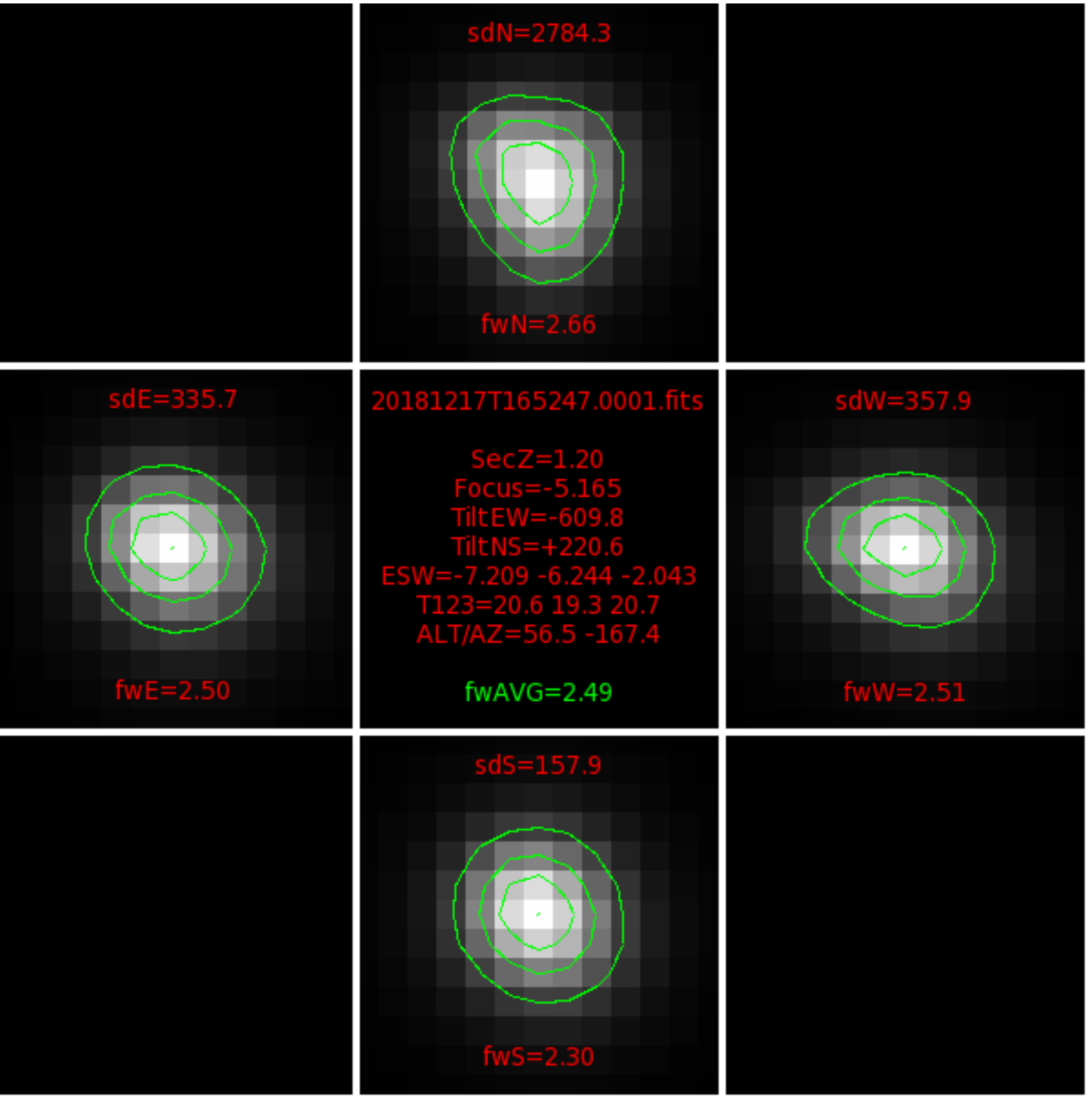
sdN=2784.3
fwN=2.66
sdE=335.7
fwE=2.50
20181217T165247.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 19.3 20.7
ALT/AZ=56.5 -167.4
fwAVG=2.49
sdW=357.9
fwW=2.51
sdS=157.9
fwS=2.30
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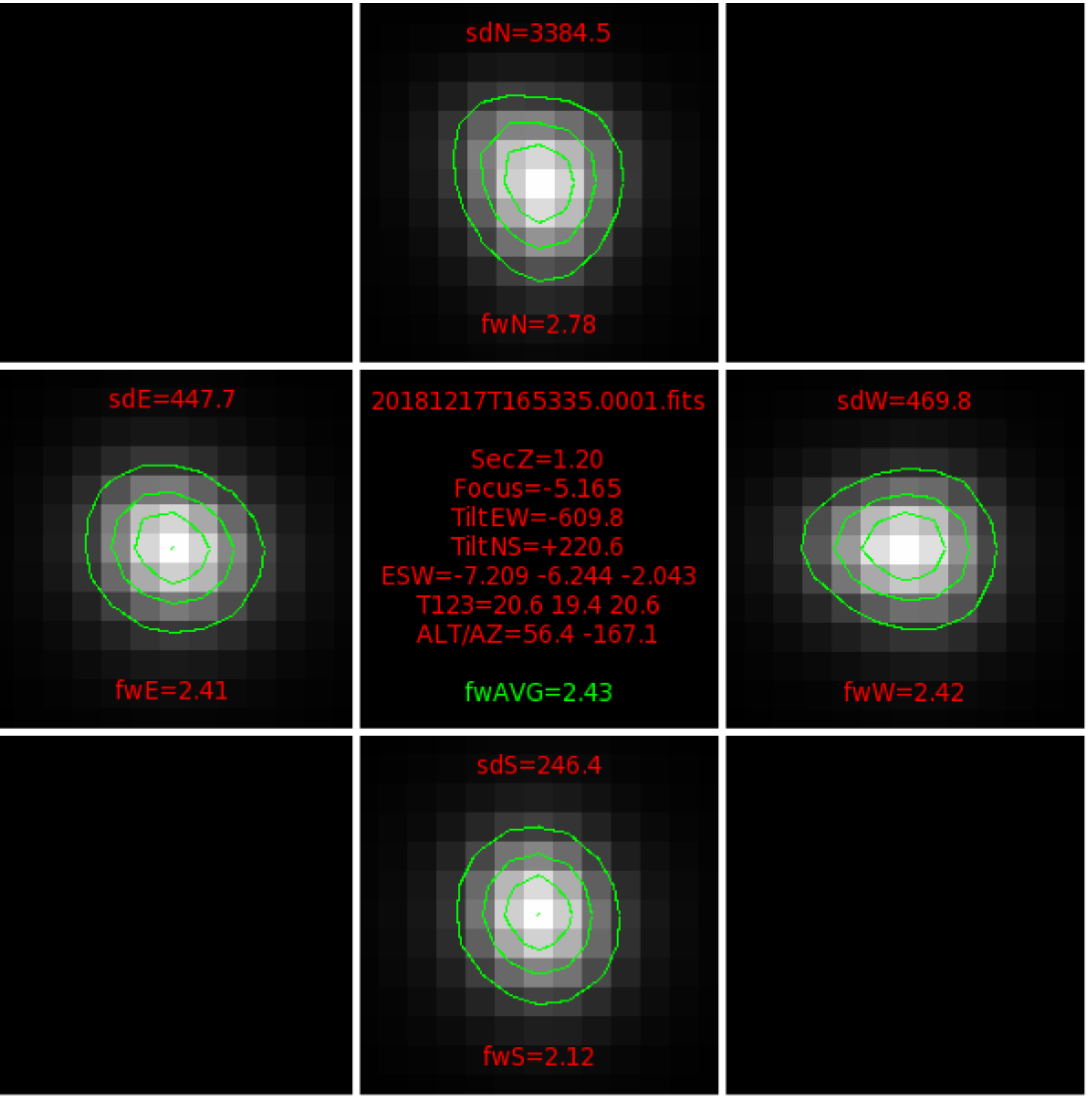
sdN=3384.5
fwN=2.78
sdE=447.7
fwE=2.41
20181217T165335.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 19.4 20.6
ALT/AZ=56.4 -167.1
fwAVG=2.43
sdW=469.8
fwW=2.42
sdS=246.4
fwS=2.12
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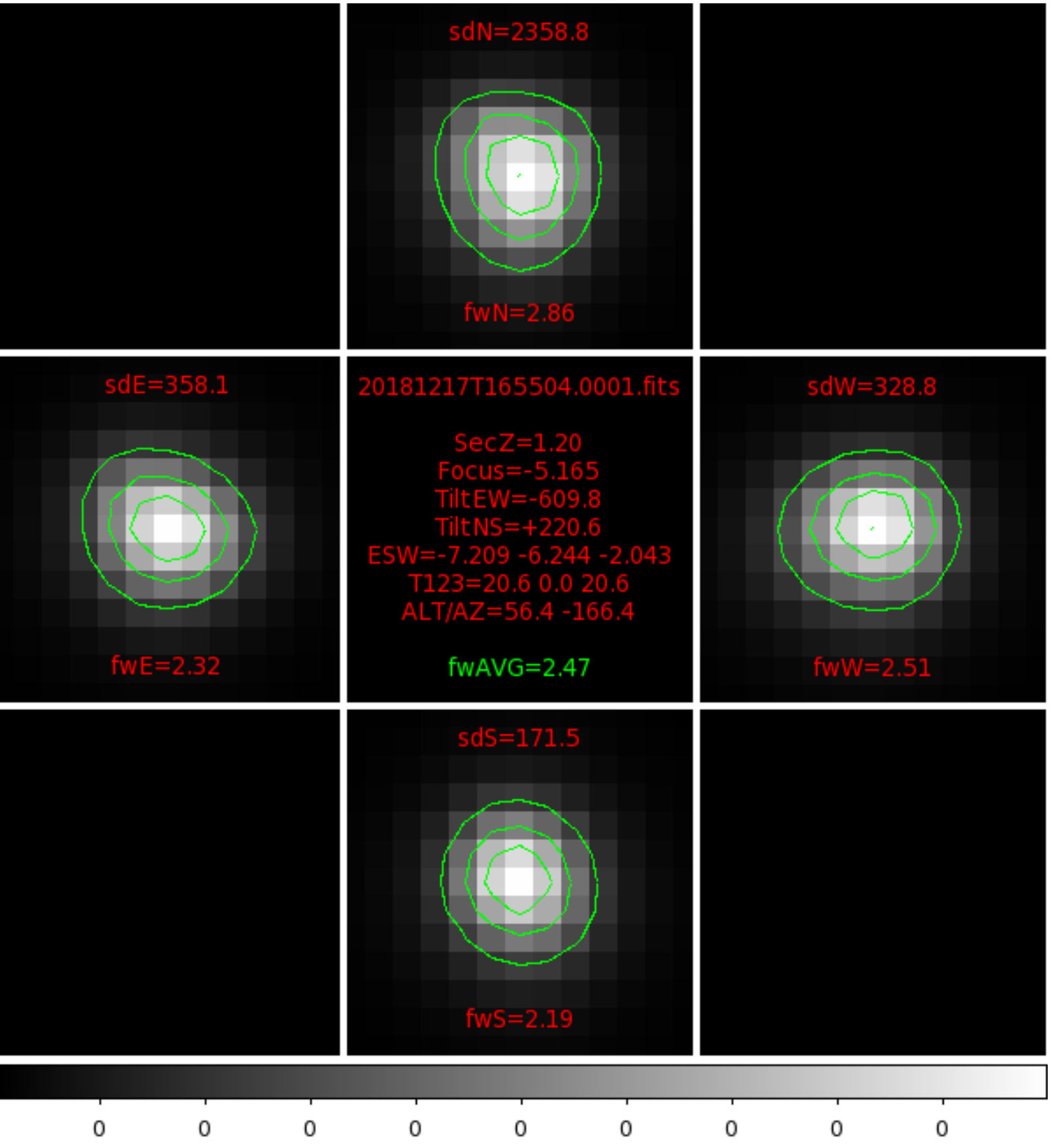
sdN=2358.8
fwN=2.86
sdE=358.1
fwE=2.32
20181217T165504.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 0.0 20.6
ALT/AZ=56.4 -166.4
fwAVG=2.47
sdW=328.8
fwW=2.51
sdS=171.5
fwS=2.19
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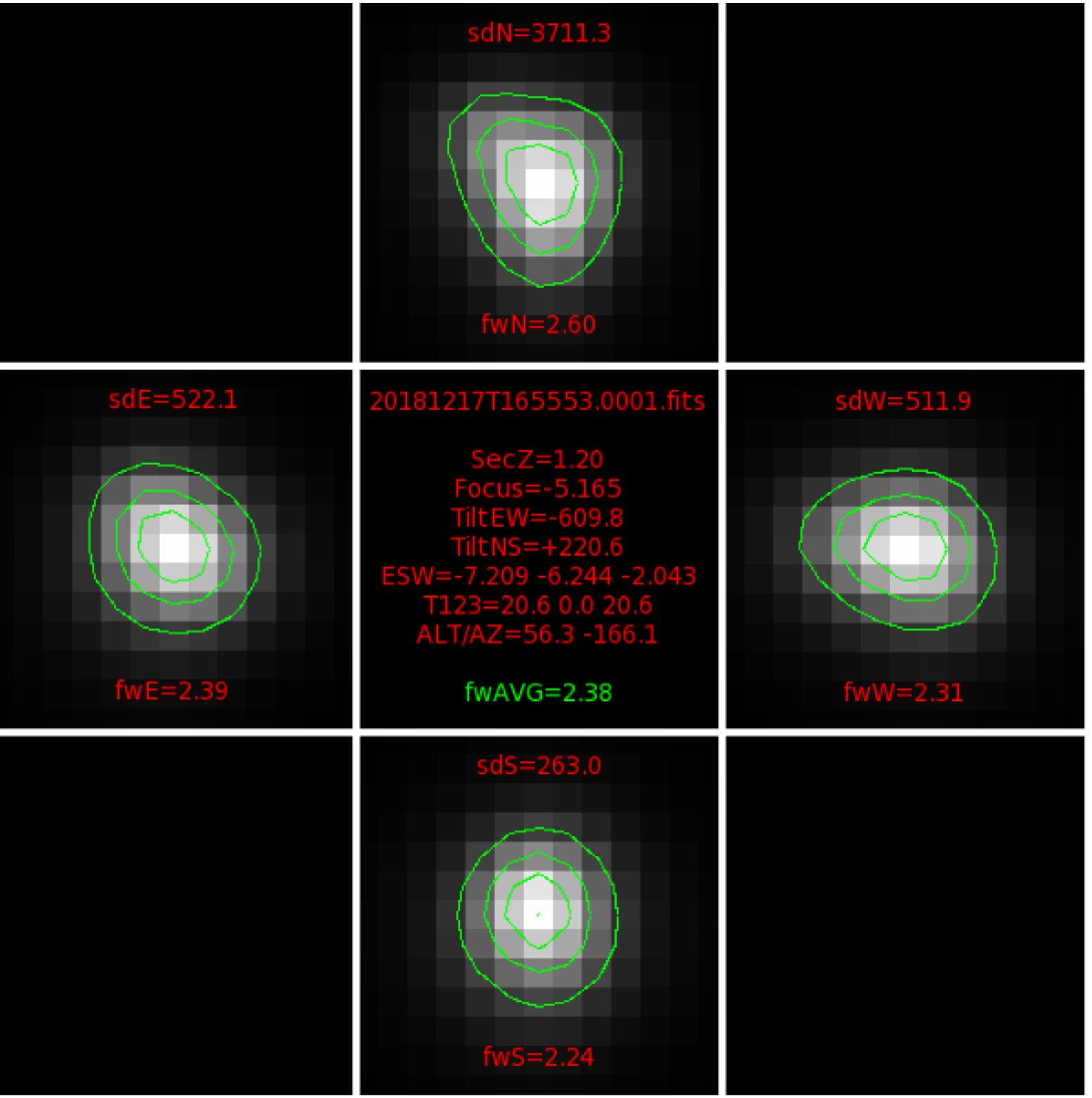
sdN=3711.3
fwN=2.60
sdE=522.1
fwE=2.39
20181217T165553.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 0.0 20.6
ALT/AZ=56.3 -166.1
fwAVG=2.38
sdW=511.9
fwW=2.31
sdS=263.0
fwS=2.24
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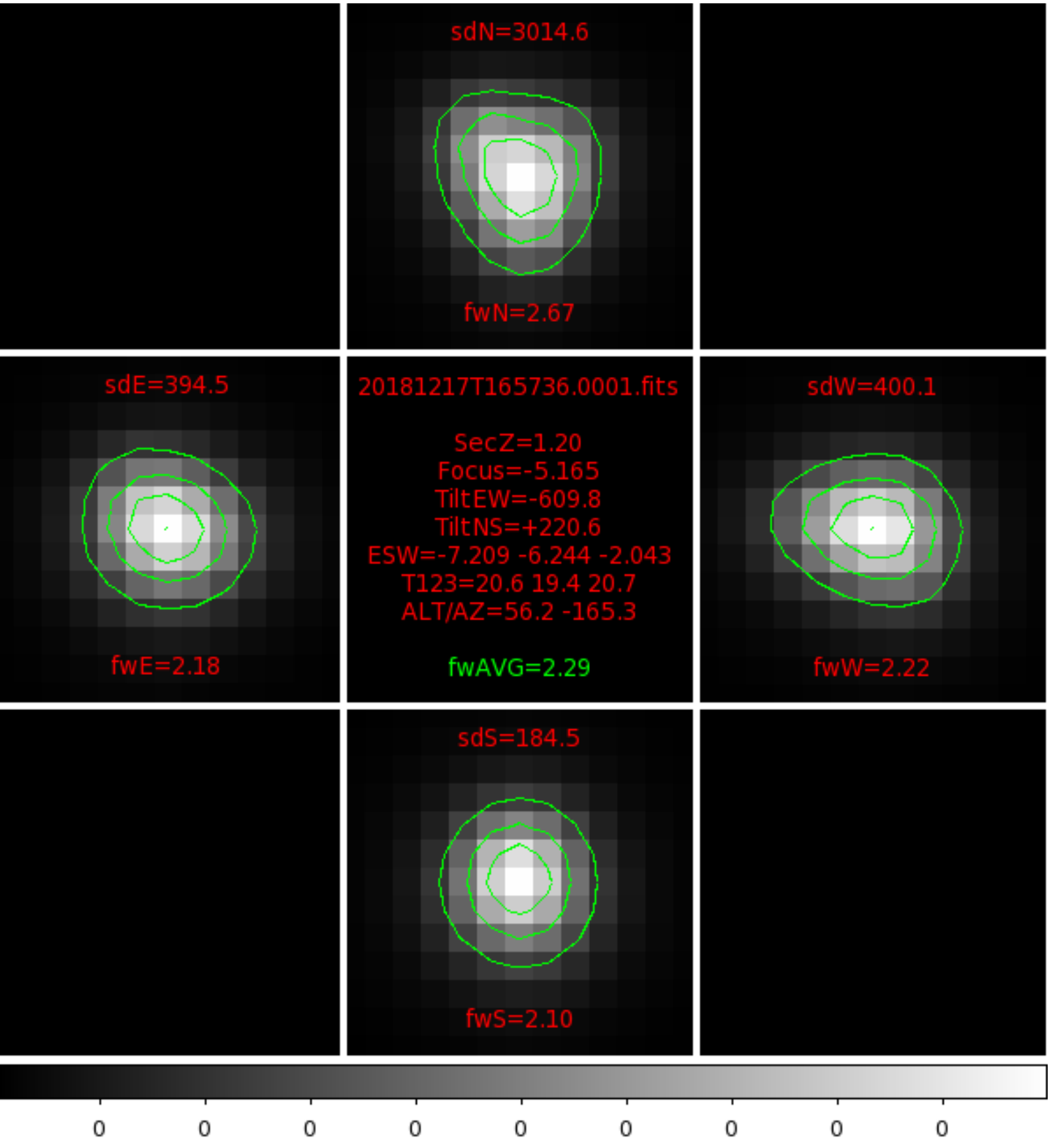
sdN=3014.6
fwN=2.67
sdE=394.5
fwE=2.18
20181217T165736.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 19.4 20.7
ALT/AZ=56.2 -165.3
fwAVG=2.29
sdW=400.1
fwW=2.22
sdS=184.5
fwS=2.10
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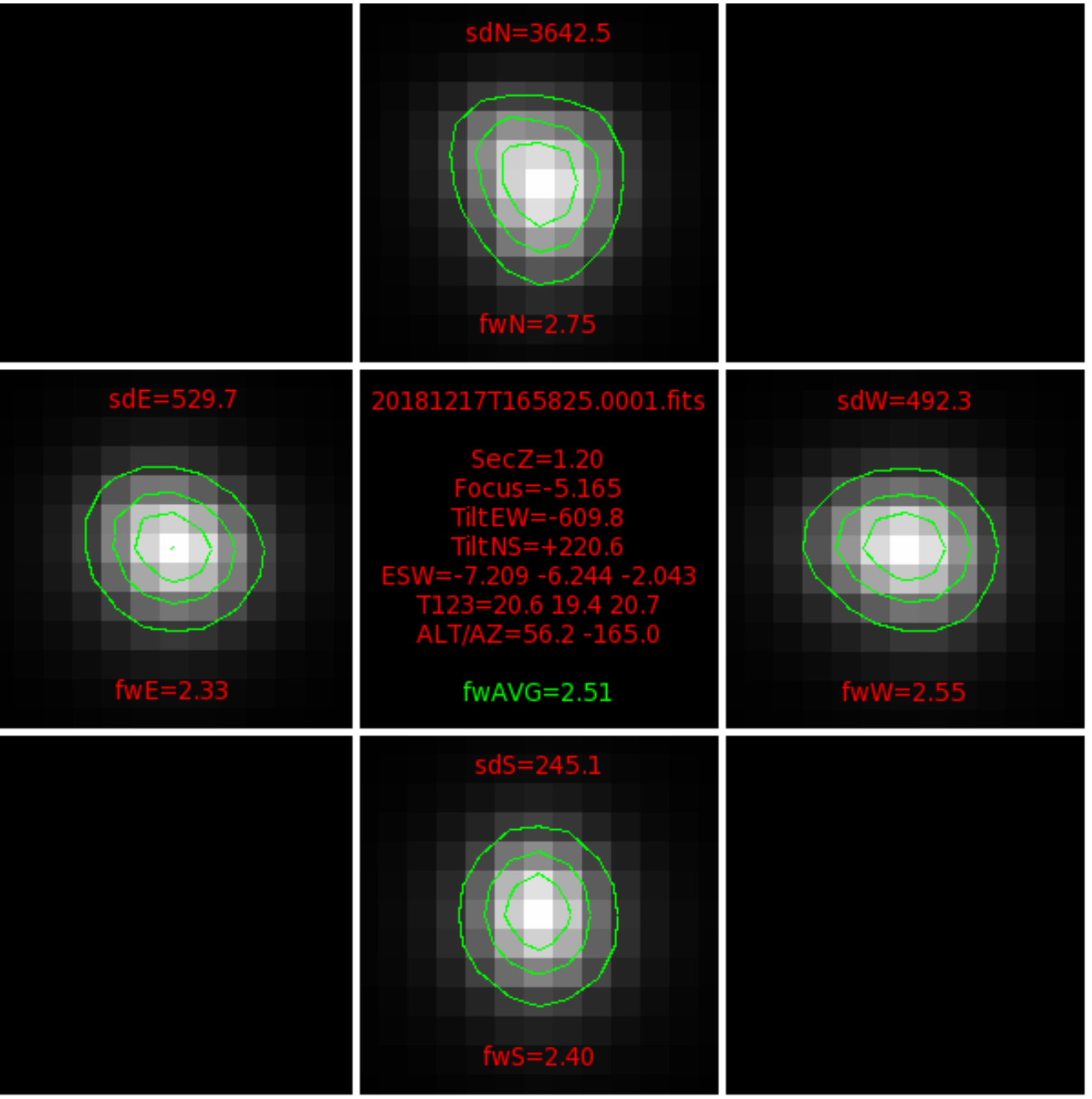
sdN=3642.5
fwN=2.75
sdE=529.7
fwE=2.33
20181217T165825.0001.fits
SecZ=1.20
Focus=-5.165
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.209 -6.244 -2.043
T123=20.6 19.4 20.7
ALT/AZ=56.2 -165.0
fwAVG=2.51
sdW=492.3
fwW=2.55
sdS=245.1
fwS=2.40
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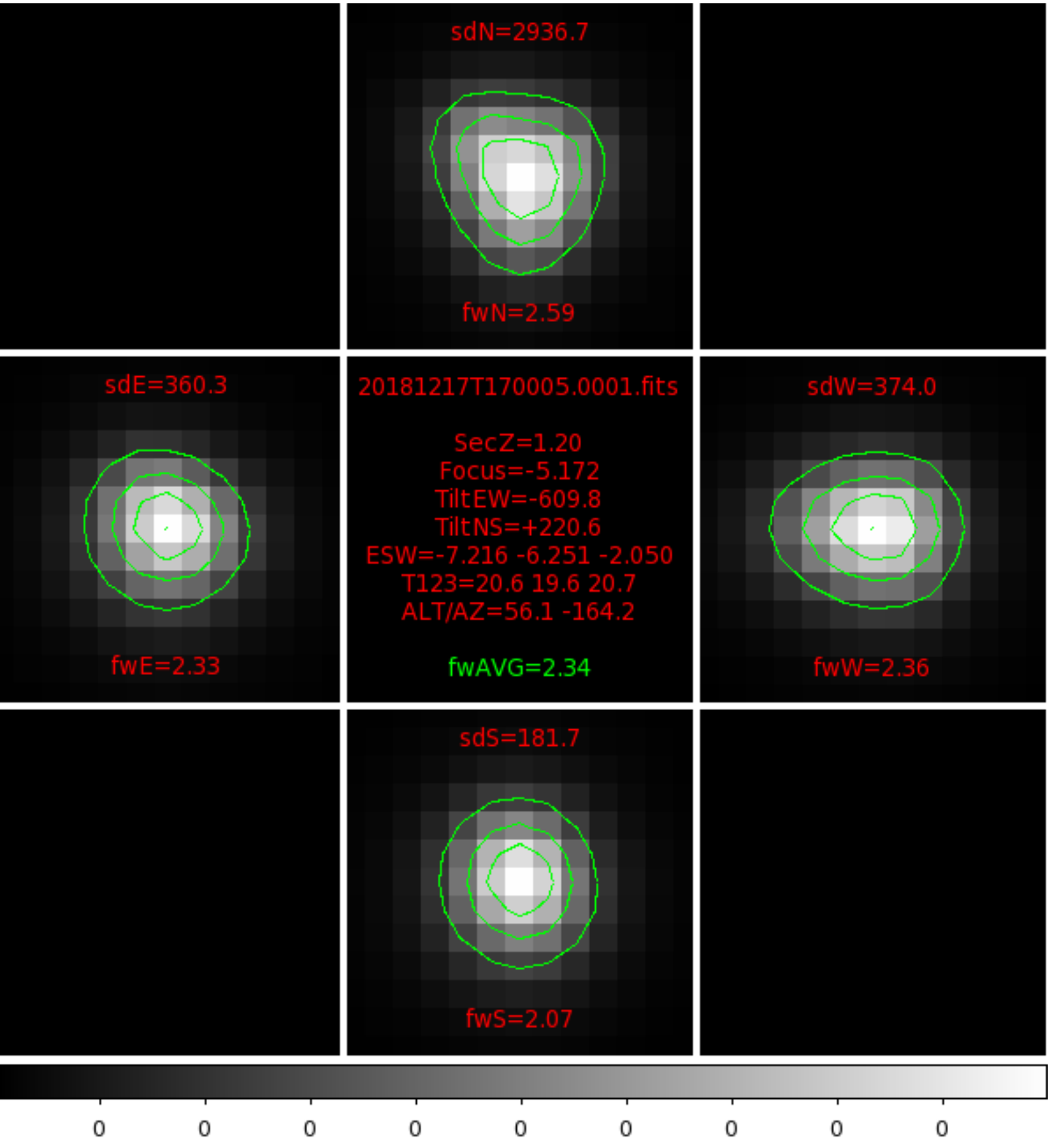
sdN=2936.7
fwN=2.59
sdE=360.3
fwE=2.33
20181217T170005.0001.fits
SecZ=1.20
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=20.6 19.6 20.7
ALT/AZ=56.1 -164.2
fwAVG=2.34
sdW=374.0
fwW=2.36
sdS=181.7
fwS=2.07
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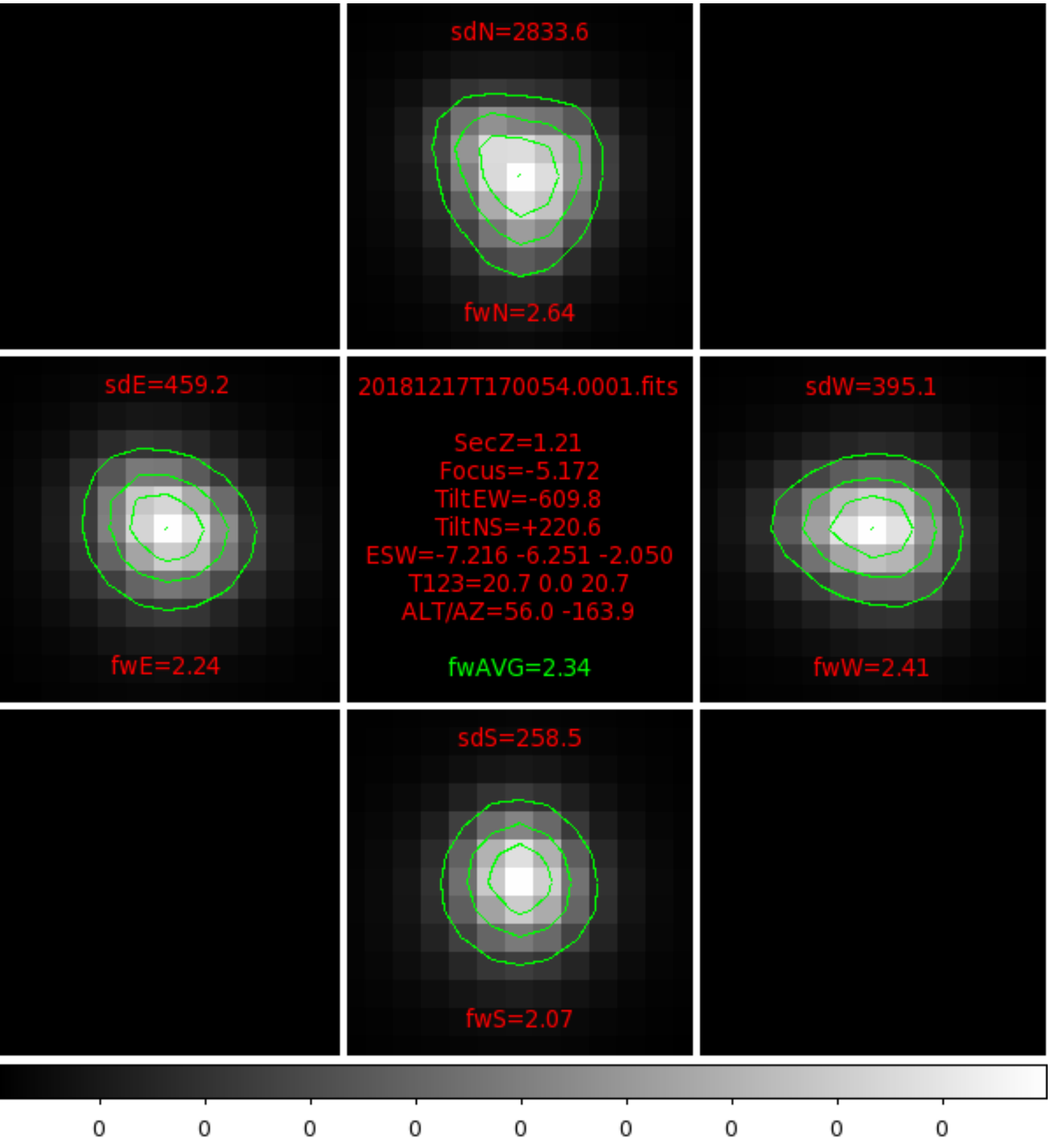
sdN=2833.6
fwN=2.64
sdE=459.2
fwE=2.24
20181217T170054.0001.fits
SecZ=1.21
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=20.7 0.0 20.7
ALT/AZ=56.0 -163.9
fwAVG=2.34
sdW=395.1
fwW=2.41
sdS=258.5
fwS=2.07
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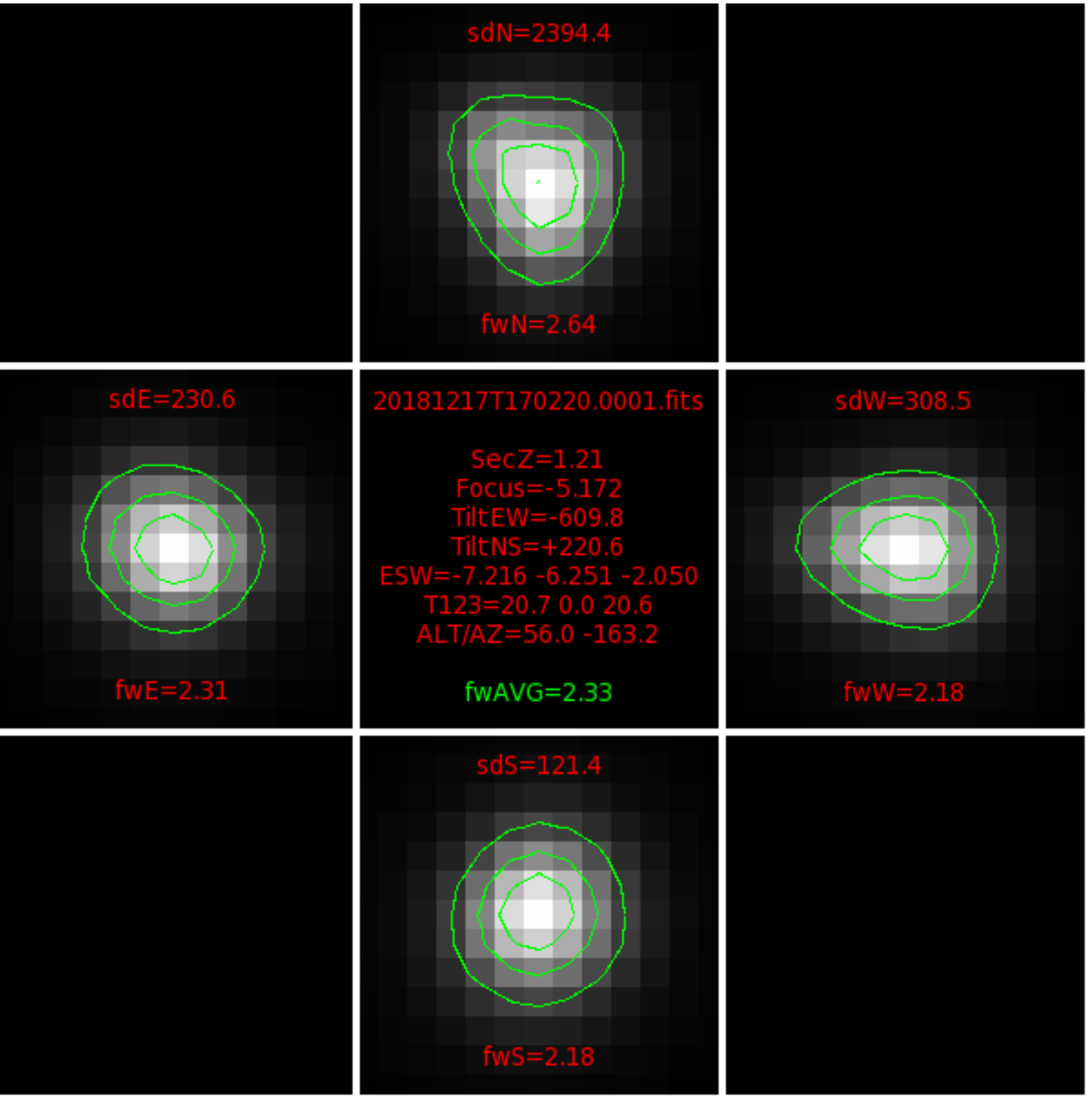
sdN=2394.4
fwN=2.64
sdE=230.6
fwE=2.31
20181217T170220.0001.fits
SecZ=1.21
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=20.7 0.0 20.6
ALT/AZ=56.0 -163.2
fwAVG=2.33
sdW=308.5
fwW=2.18
sdS=121.4
fwS=2.18
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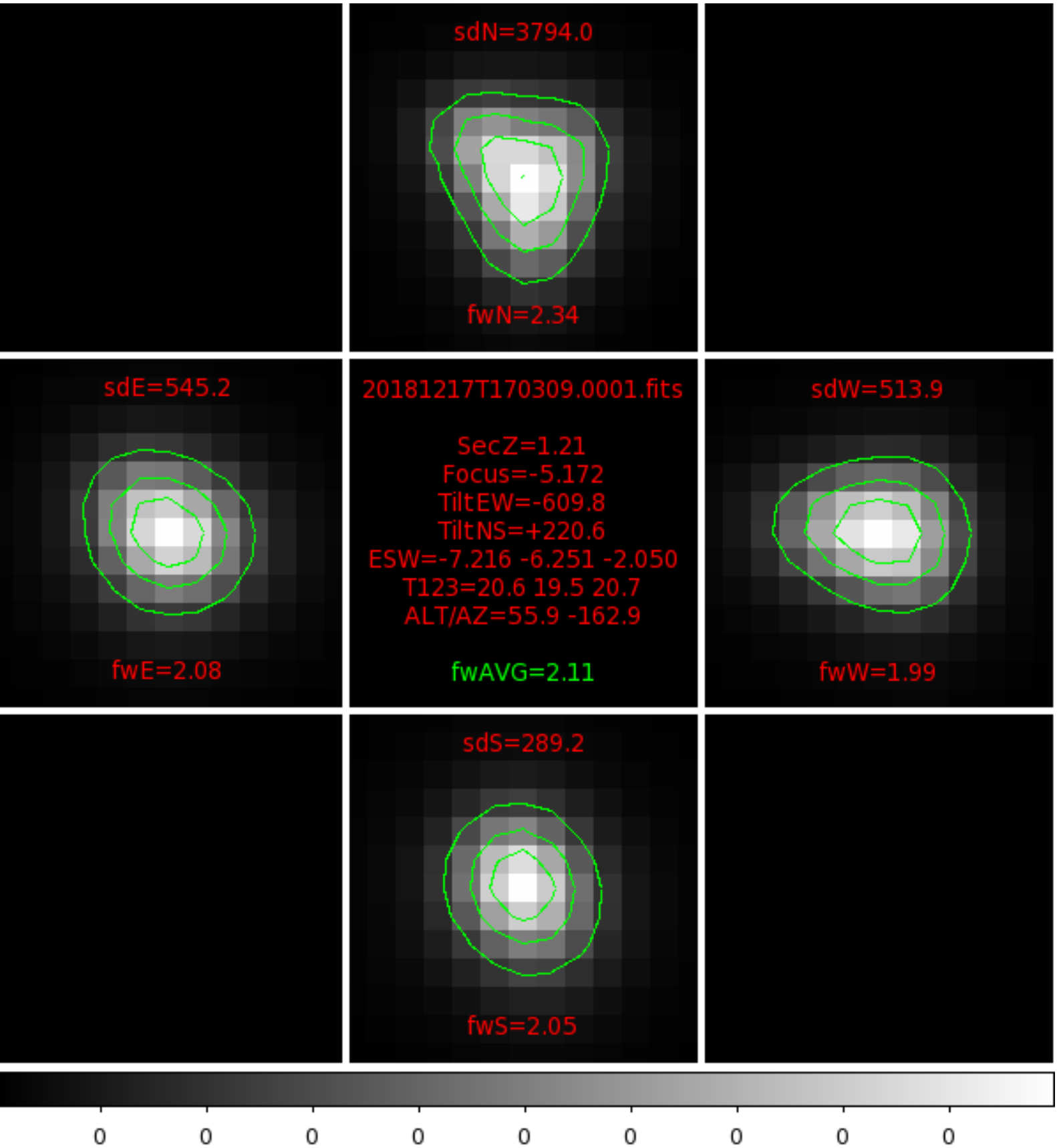
sdN=3794.0
fwN=2.34
sdE=545.2
fwE=2.08
20181217T170309.0001.fits
SecZ=1.21
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=20.6 19.5 20.7
ALT/AZ=55.9 -162.9
fwAVG=2.11
sdW=513.9
fwW=1.99
sdS=289.2
fwS=2.05
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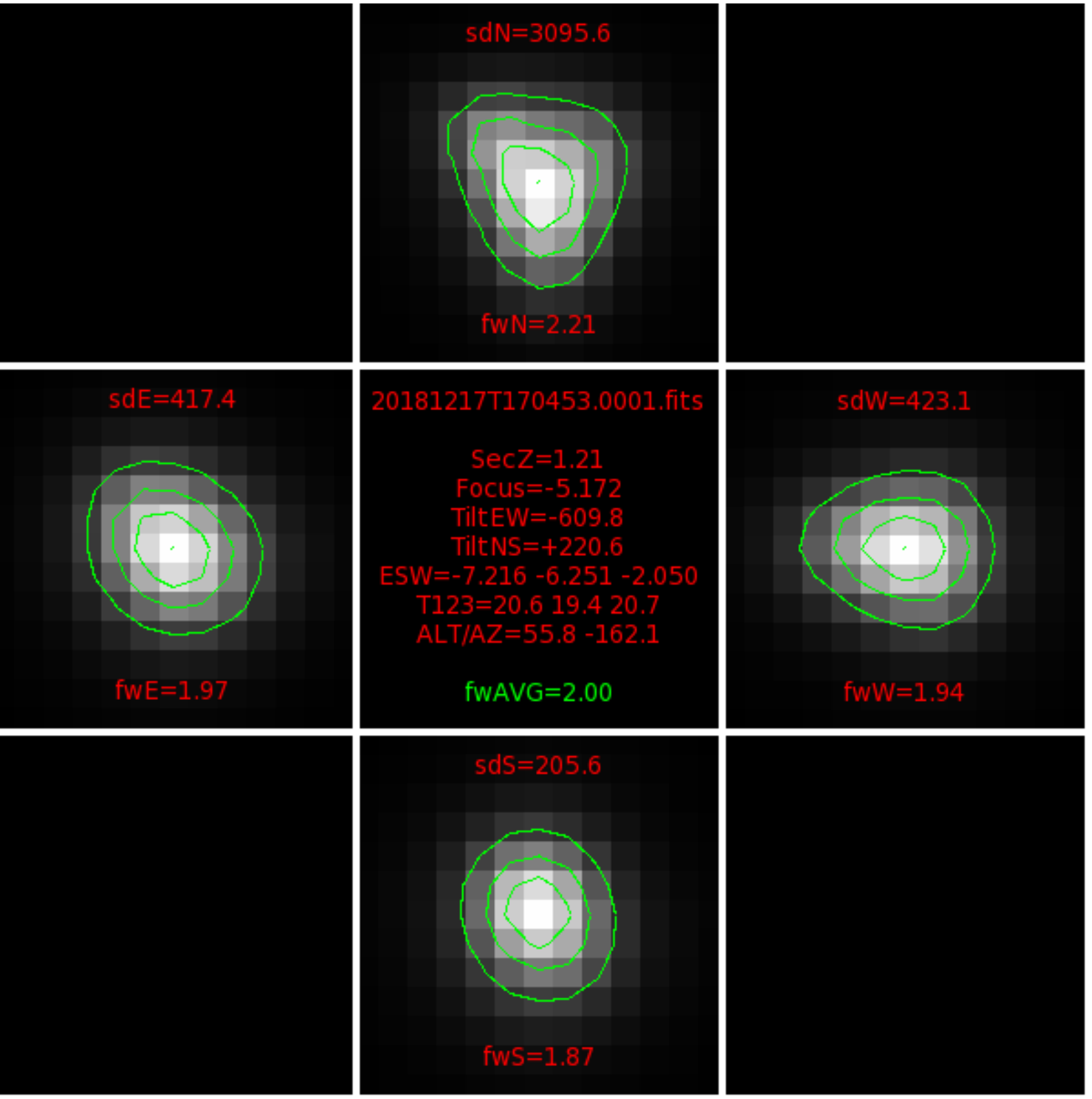
sdN=3095.6
fwN=2.21
sdE=417.4
fwE=1.97
20181217T170453.0001.fits
SecZ=1.21
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=20.6 19.4 20.7
ALT/AZ=55.8 -162.1
fwAVG=2.00
sdW=423.1
fwW=1.94
sdS=205.6
fwS=1.87
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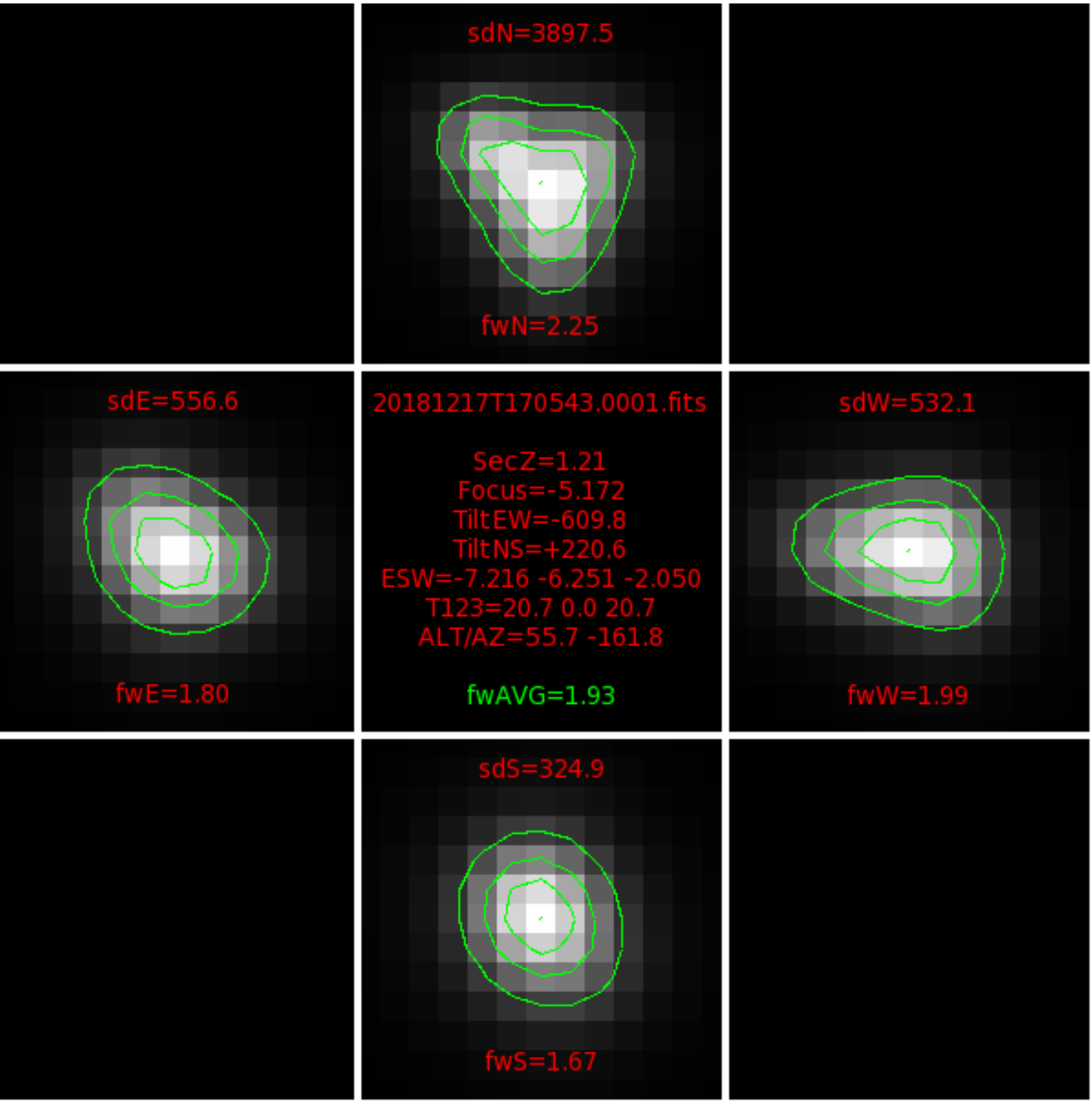
sdN=3897.5
fwN=2.25
sdE=556.6
fwE=1.80
20181217T170543.0001.fits
SecZ=1.21
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=20.7 0.0 20.7
ALT/AZ=55.7 -161.8
fwAVG=1.93
sdW=532.1
fwW=1.99
sdS=324.9
fwS=1.67
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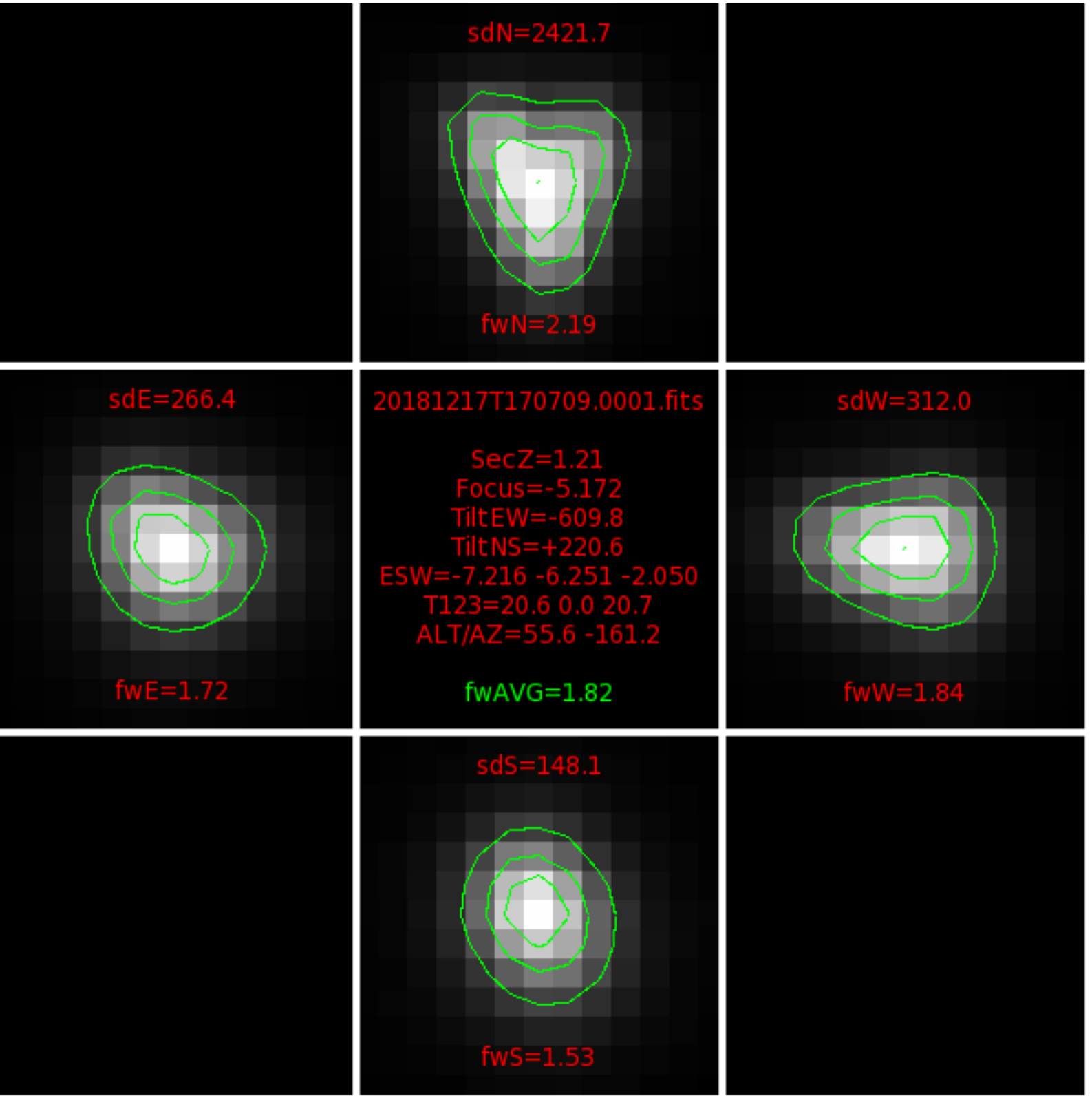
sdN=2421.7
fwN=2.19
sdE=266.4
fwE=1.72
20181217T170709.0001.fits
SecZ=1.21
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=20.6 0.0 20.7
ALT/AZ=55.6 -161.2
fwAVG=1.82
sdW=312.0
fwW=1.84
sdS=148.1
fwS=1.53
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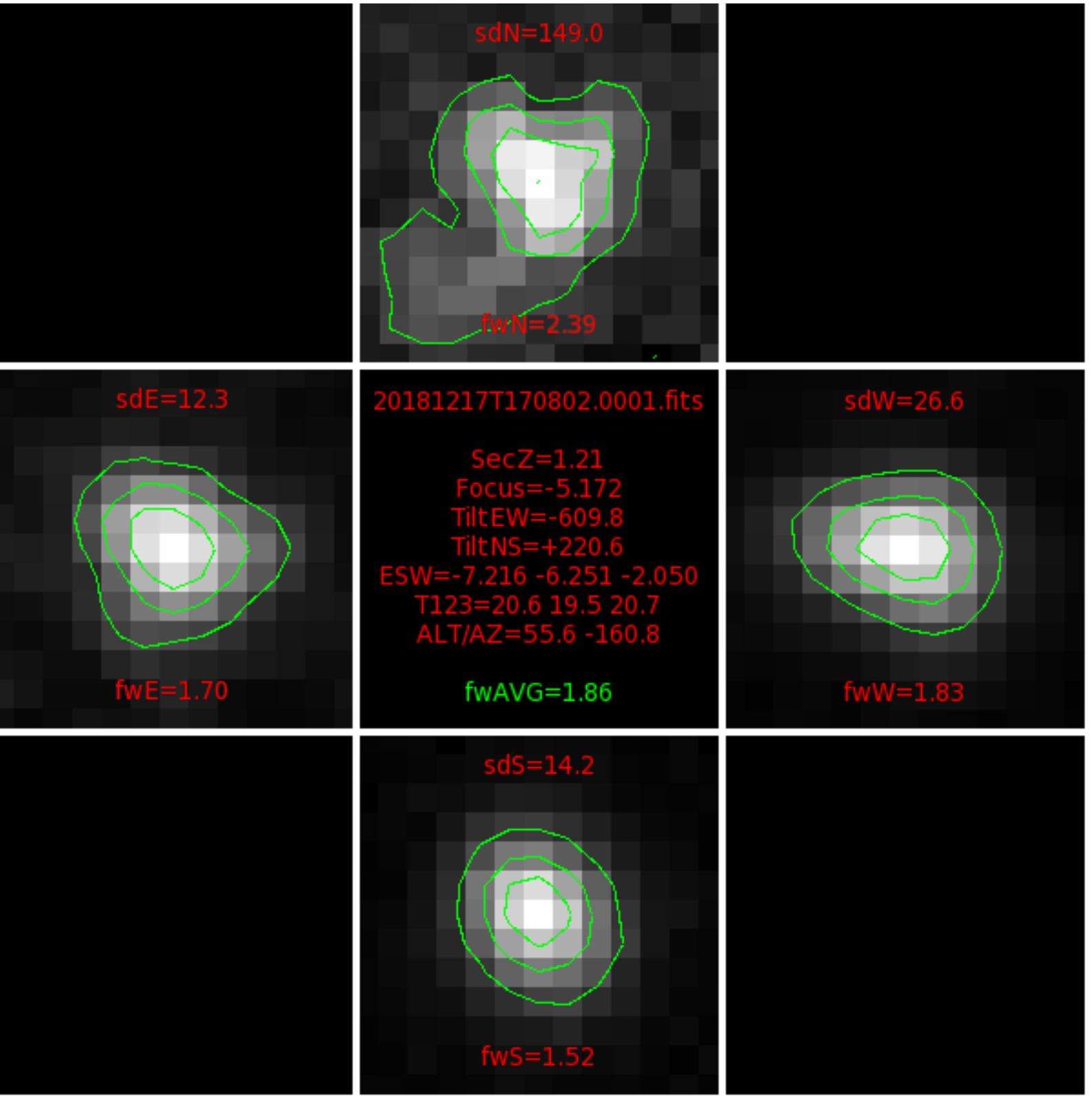
sdN=149.0
fwN=2.39
sdE=12.3
fwE=1.70
20181217T170802.0001.fits
SecZ=1.21
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=20.6 19.5 20.7
ALT/AZ=55.6 -160.8
fwAVG=1.86
sdW=26.6
fwW=1.83
sdS=14.2
fwS=1.52
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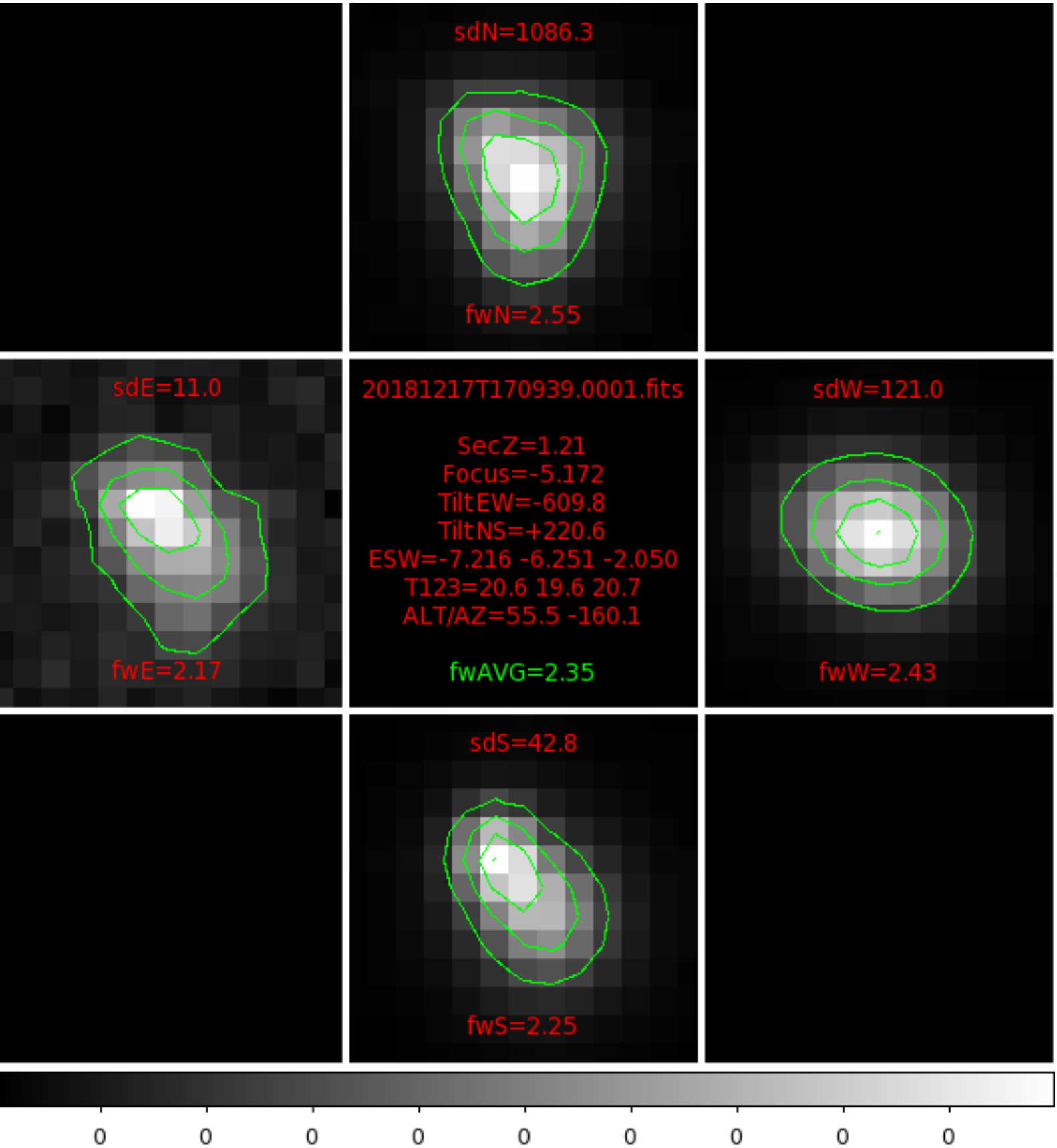
sdN=1086.3
fwN=2.55
sdE=11.0
fwE=2.17
20181217T170939.0001.fits
SecZ=1.21
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=20.6 19.6 20.7
ALT/AZ=55.5 -160.1
fwAVG=2.35
sdW=121.0
fwW=2.43
sdS=42.8
fwS=2.25
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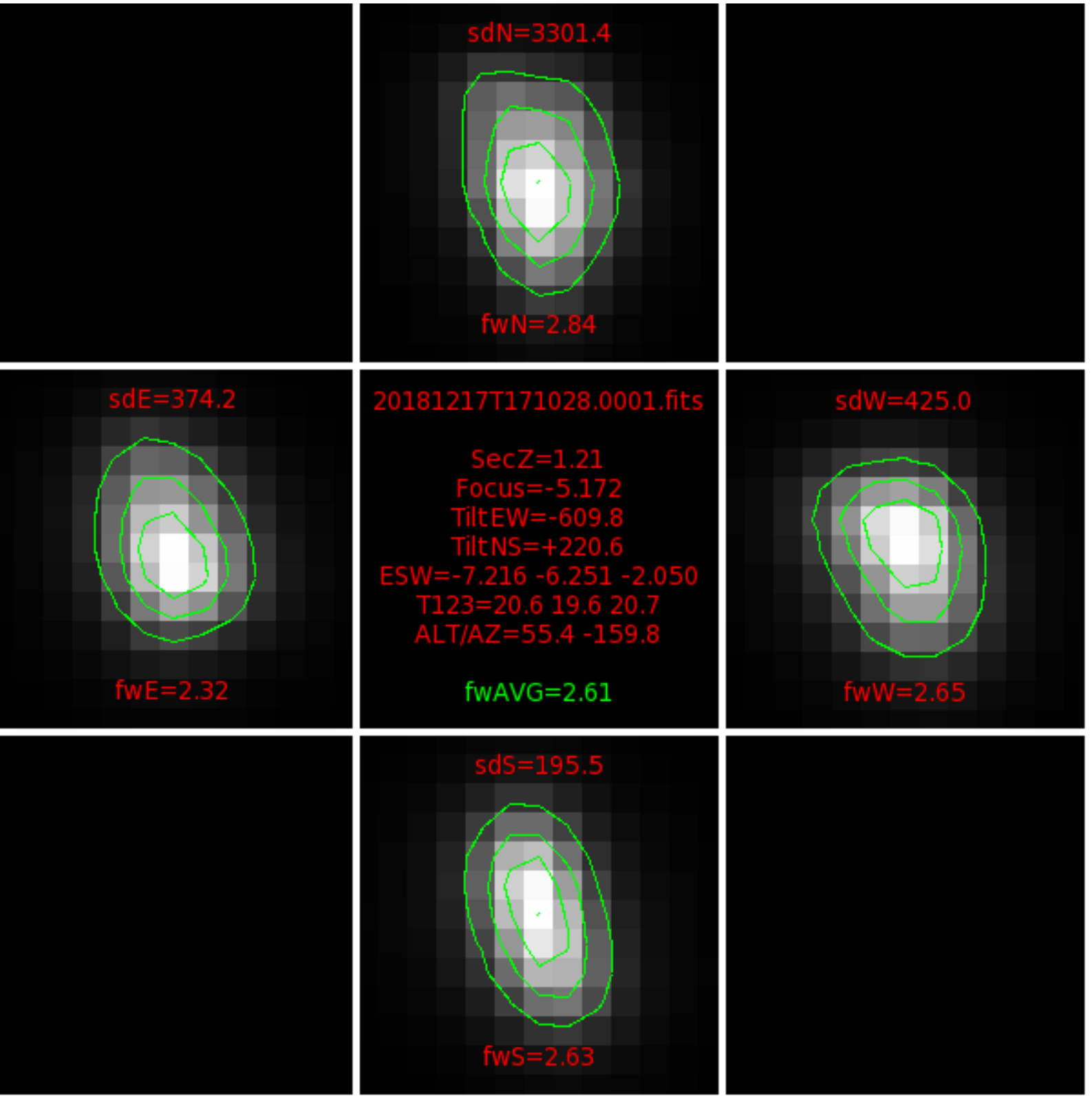
sdN=3301.4
fwN=2.84
sdE=374.2
fwE=2.32
20181217T171028.0001.fits
SecZ=1.21
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=20.6 19.6 20.7
ALT/AZ=55.4 -159.8
fwAVG=2.61
sdW=425.0
fwW=2.65
sdS=195.5
fwS=2.63
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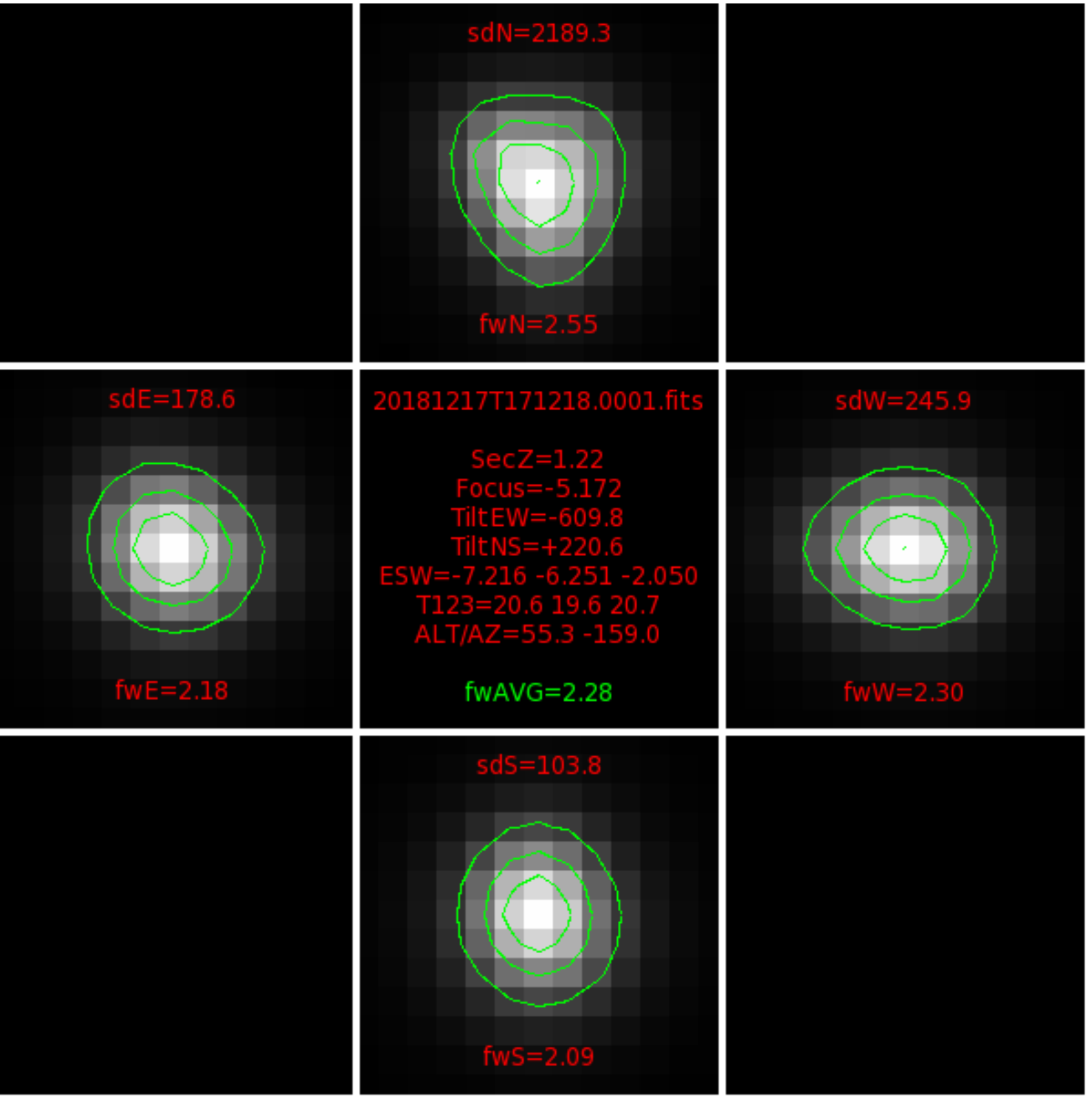
sdN=2189.3
fwN=2.55
sdE=178.6
fwE=2.18
20181217T171218.0001.fits
SecZ=1.22
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=20.6 19.6 20.7
ALT/AZ=55.3 -159.0
fwAVG=2.28
sdW=245.9
fwW=2.30
sdS=103.8
fwS=2.09
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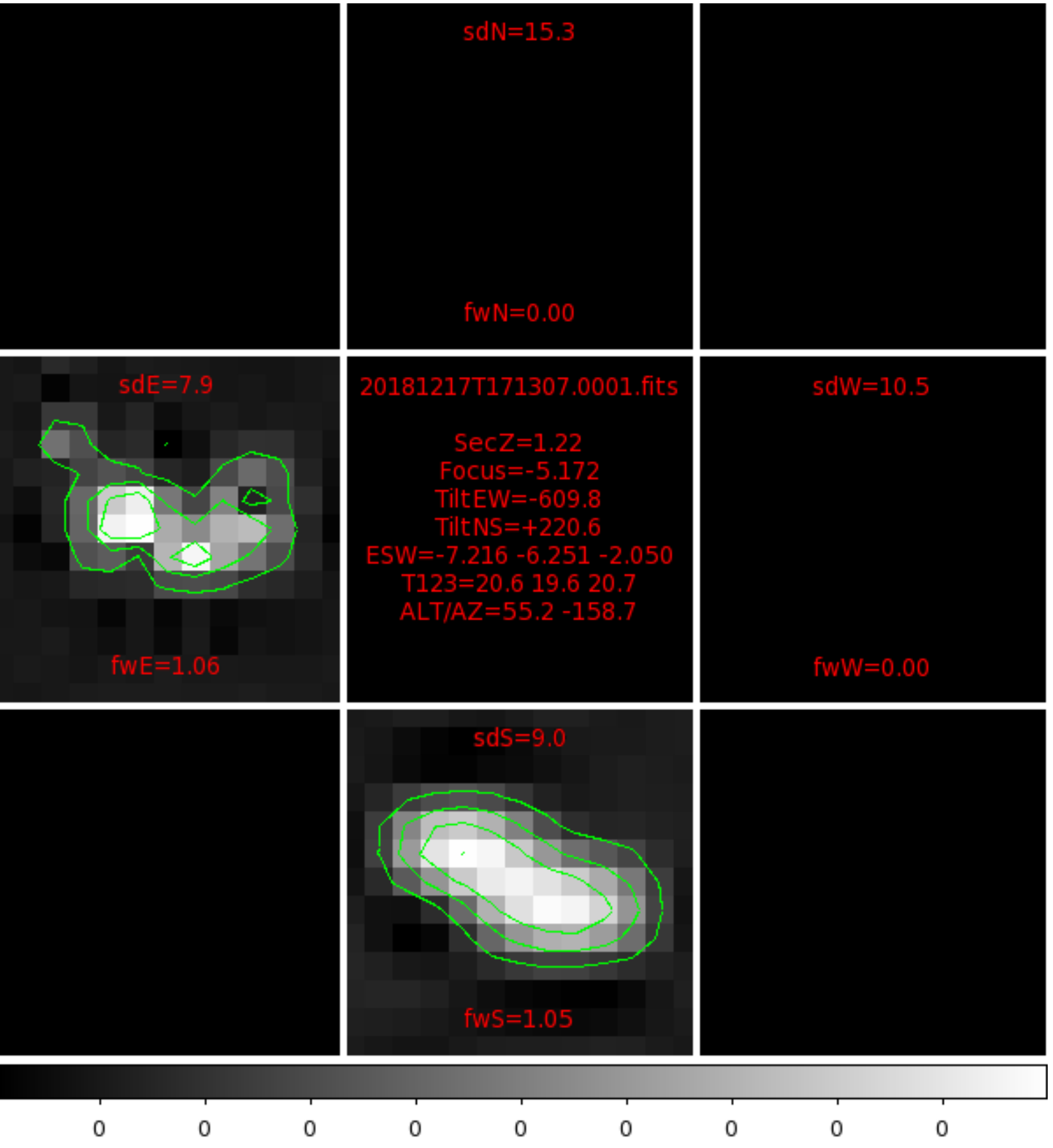
sdN=15.3
fwN=0.00
sdE=7.9
20181217T171307.0001.fits
SecZ=1.22
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=20.6 19.6 20.7
ALT/AZ=55.2 -158.7
sdW=10.5
fwE=1.06
fwW=0.00
sdS=9.0
fwS=1.05
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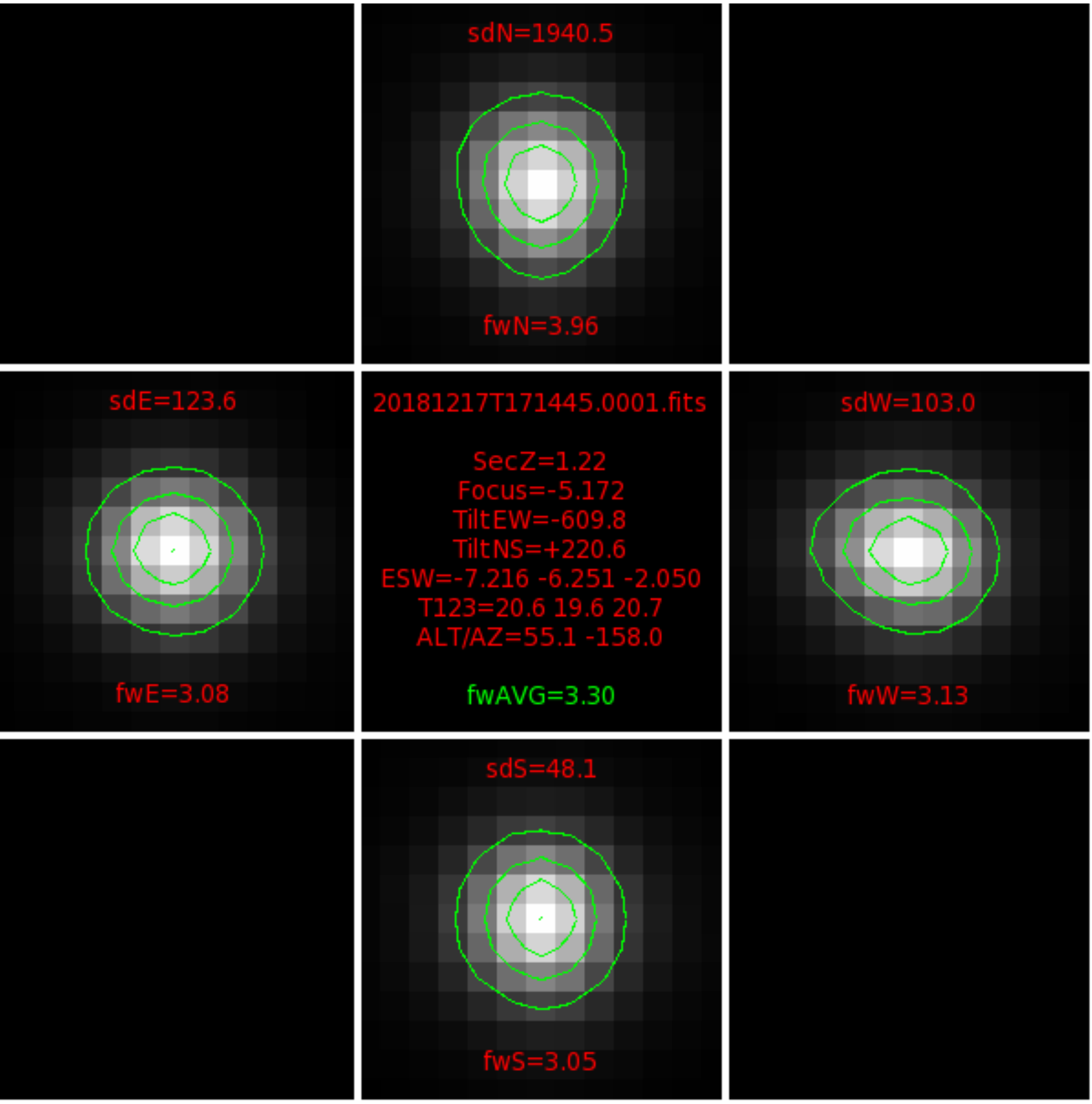
sdN=1940.5
fwN=3.96
sdE=123.6
fwE=3.08
20181217T171445.0001.fits
SecZ=1.22
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=20.6 19.6 20.7
ALT/AZ=55.1 -158.0
fwAVG=3.30
sdW=103.0
fwW=3.13
sdS=48.1
fwS=3.05
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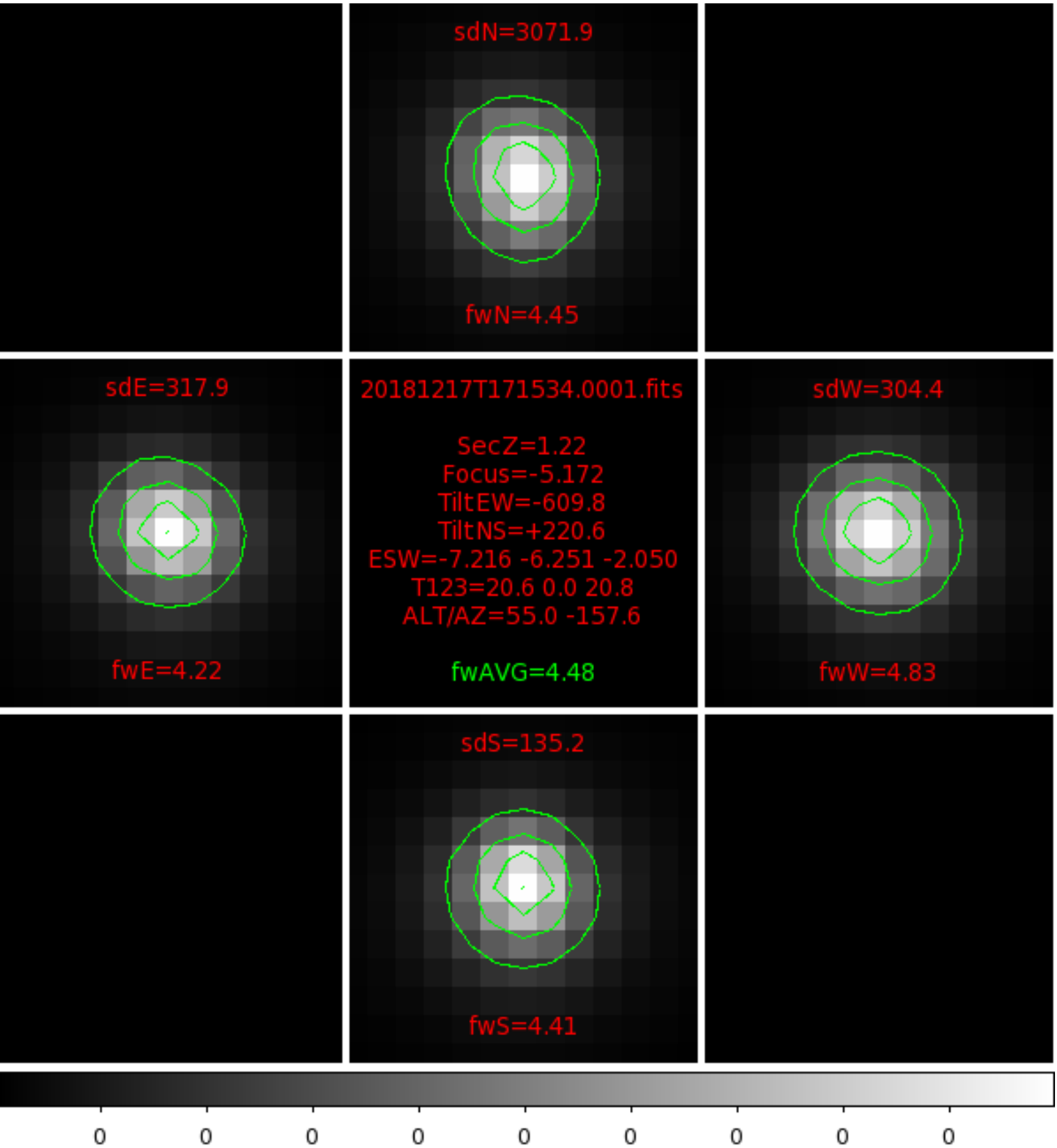
sdN=3071.9
fwN=4.45
sdE=317.9
fwE=4.22
20181217T171534.0001.fits
SecZ=1.22
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=20.6 0.0 20.8
ALT/AZ=55.0 -157.6
fwAVG=4.48
sdW=304.4
fwW=4.83
sdS=135.2
fwS=4.41
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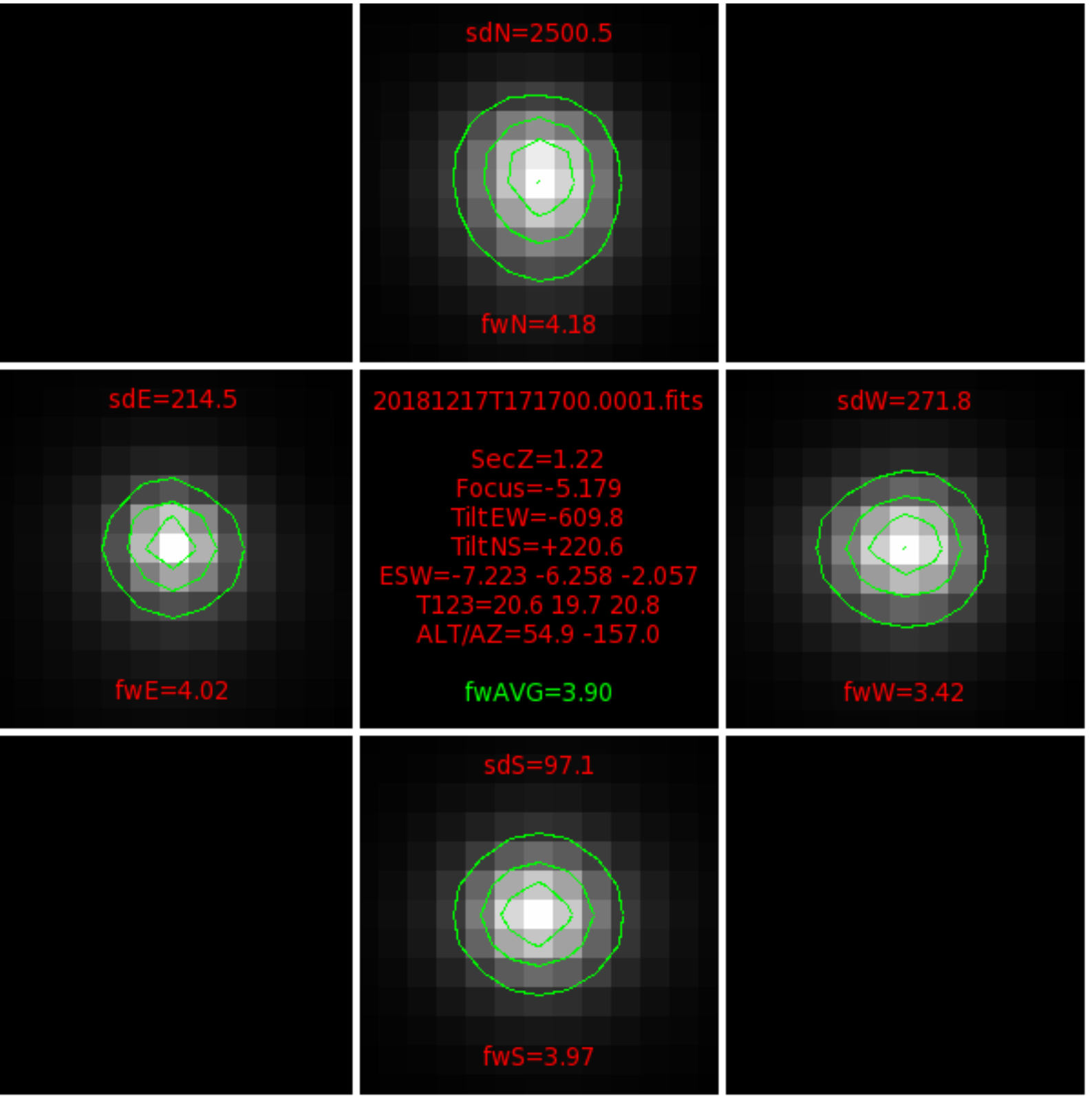
sdN=2500.5
fwN=4.18
sdE=214.5
fwE=4.02
20181217T171700.0001.fits
SecZ=1.22
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=20.6 19.7 20.8
ALT/AZ=54.9 -157.0
fwAVG=3.90
sdW=271.8
fwW=3.42
sdS=97.1
fwS=3.97
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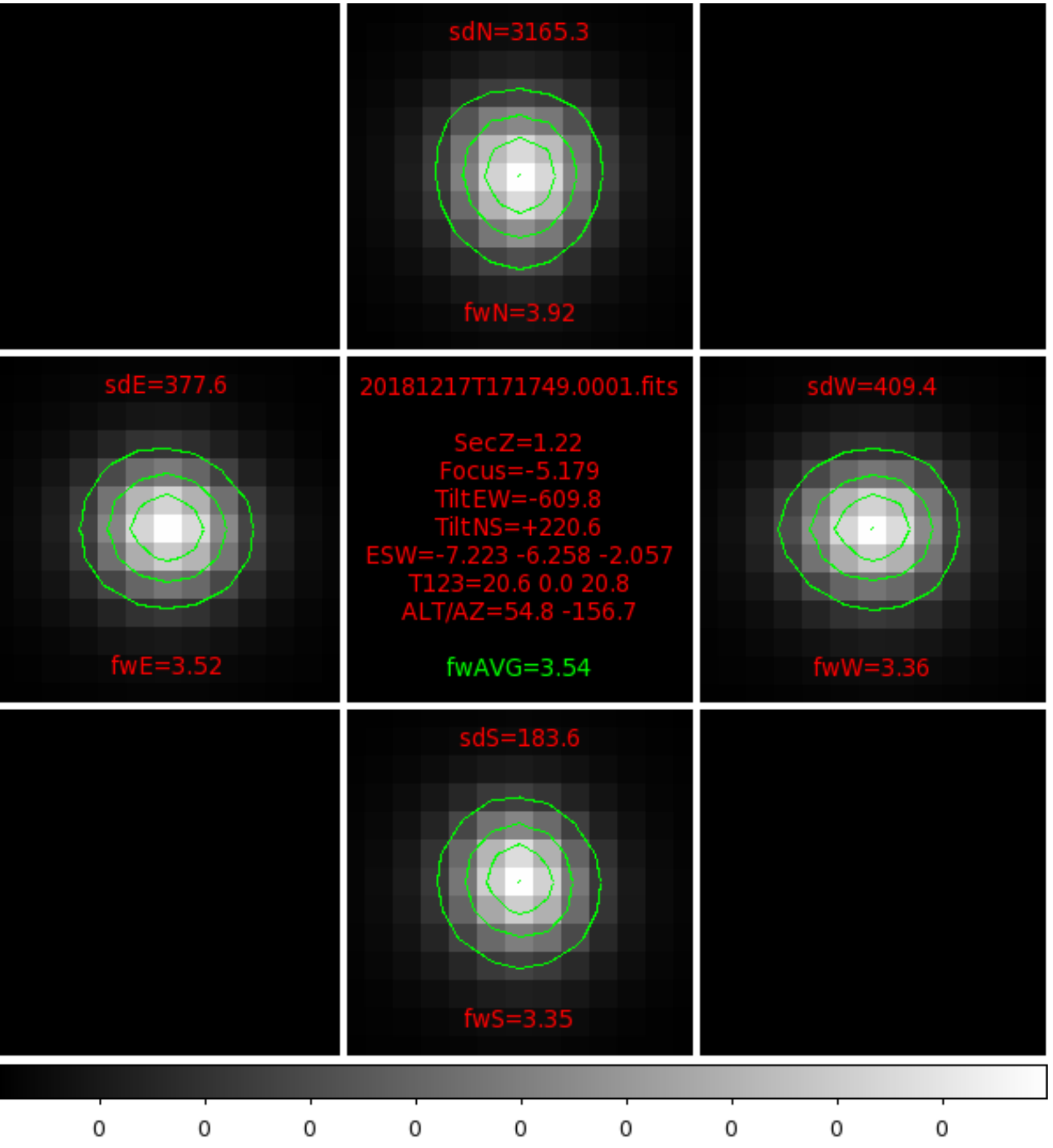
sdN=3165.3
fwN=3.92
sdE=377.6
fwE=3.52
20181217T171749.0001.fits
SecZ=1.22
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=20.6 0.0 20.8
ALT/AZ=54.8 -156.7
fwAVG=3.54
sdW=409.4
fwW=3.36
sdS=183.6
fwS=3.35
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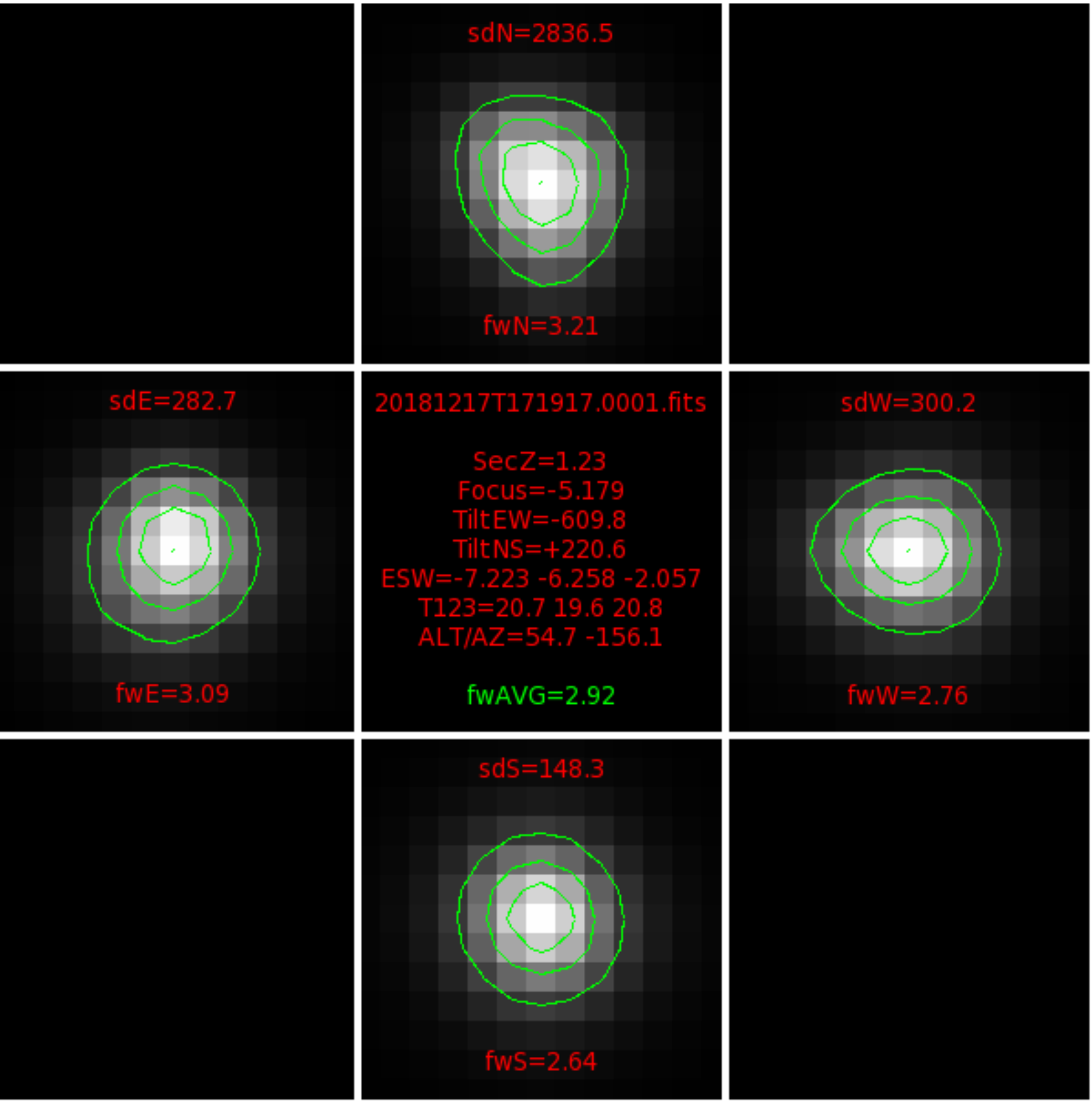
sdN=2836.5
fwN=3.21
sdE=282.7
fwE=3.09
20181217T171917.0001.fits
SecZ=1.23
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=20.7 19.6 20.8
ALT/AZ=54.7 -156.1
fwAVG=2.92
sdW=300.2
fwW=2.76
sdS=148.3
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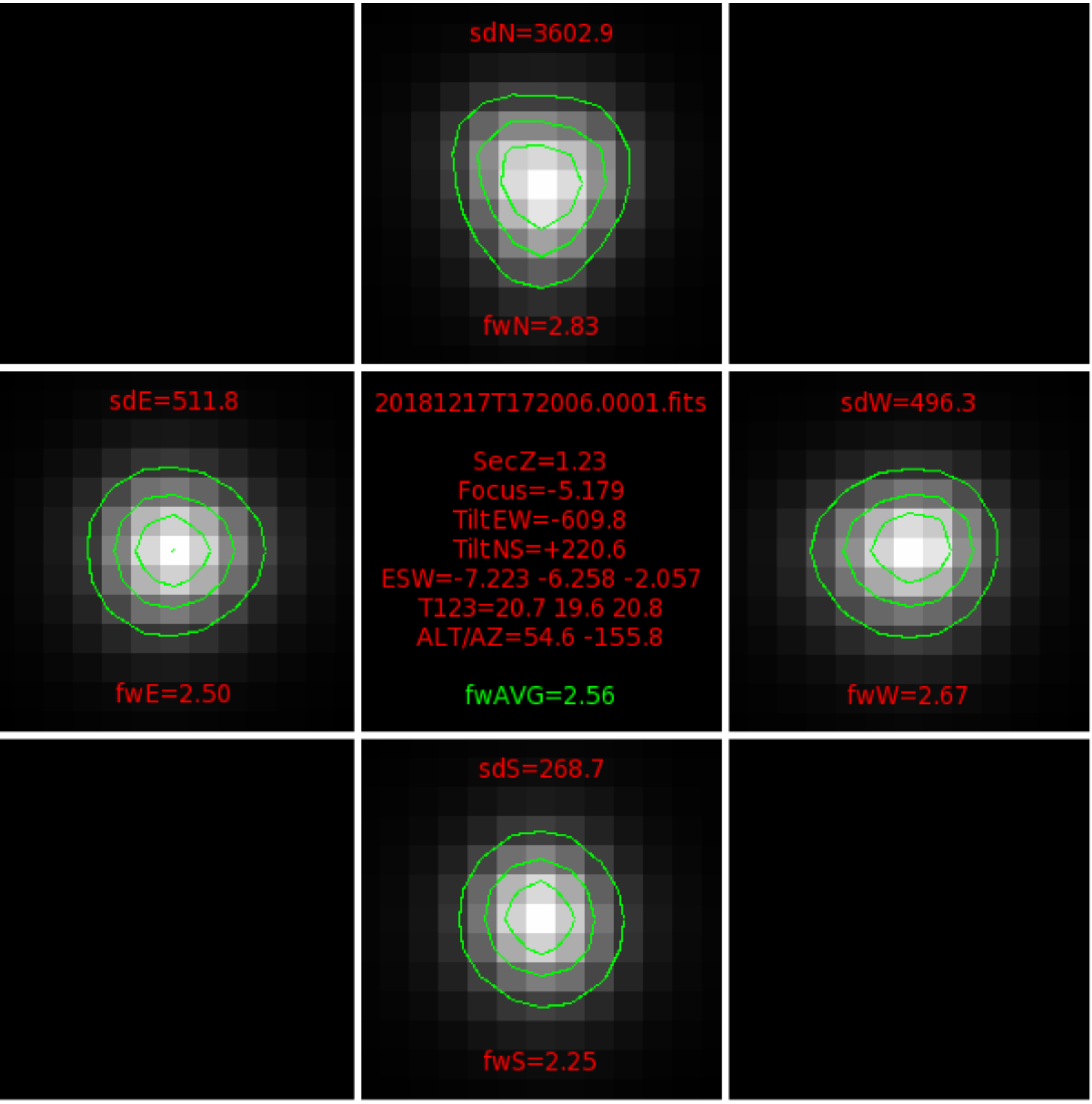
sdN=3602.9
fwN=2.83
sdE=511.8
fwE=2.50
20181217T172006.0001.fits
SecZ=1.23
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=20.7 19.6 20.8
ALT/AZ=54.6 -155.8
fwAVG=2.56
sdW=496.3
fwW=2.67
sdS=268.7
fwS=2.25
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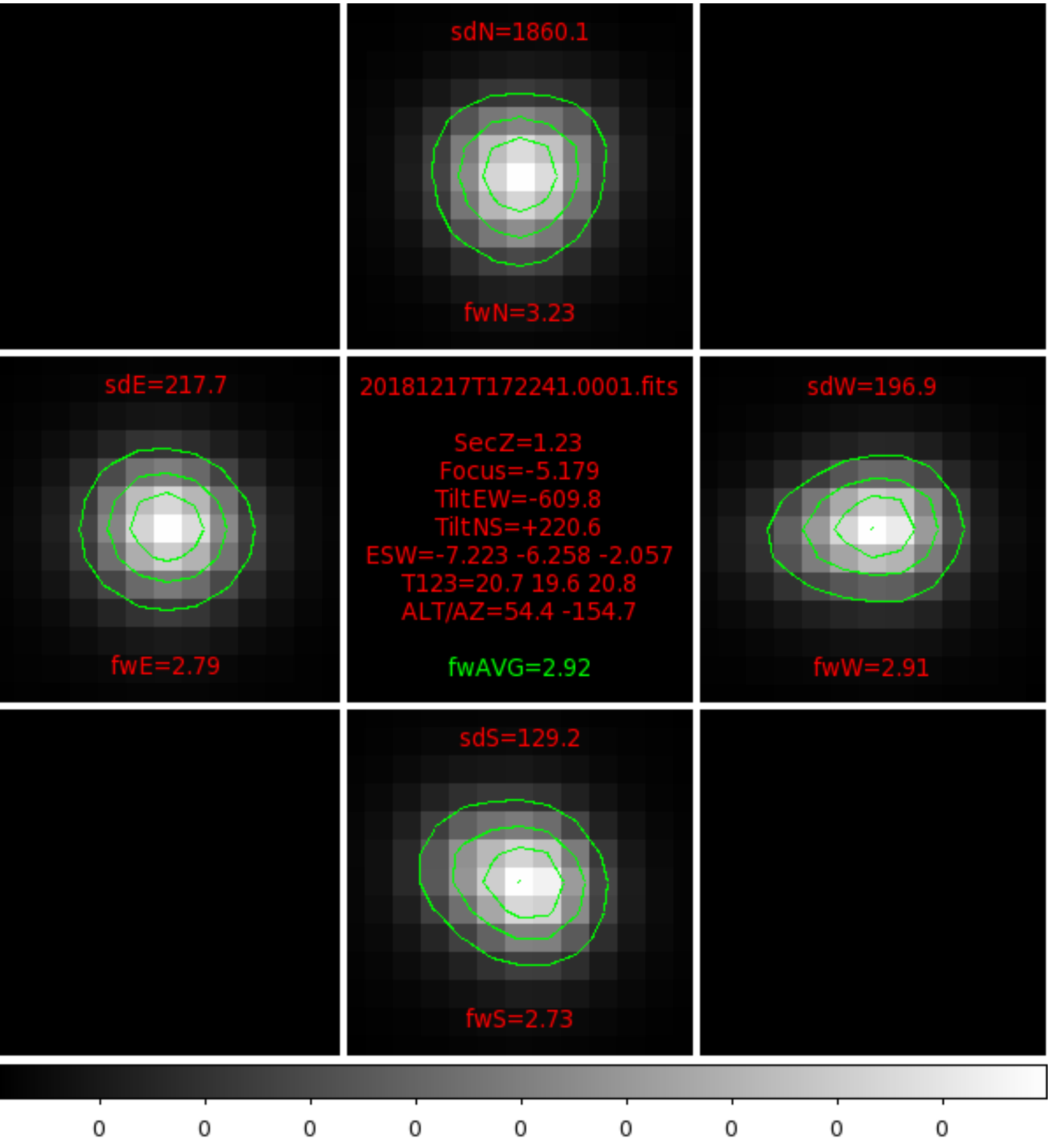
sdN=1860.1
fwN=3.23
sdE=217.7
fwE=2.79
20181217T172241.0001.fits
SecZ=1.23
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=20.7 19.6 20.8
ALT/AZ=54.4 -154.7
fwAVG=2.92
sdW=196.9
fwW=2.91
sdS=129.2
fwS=2.73
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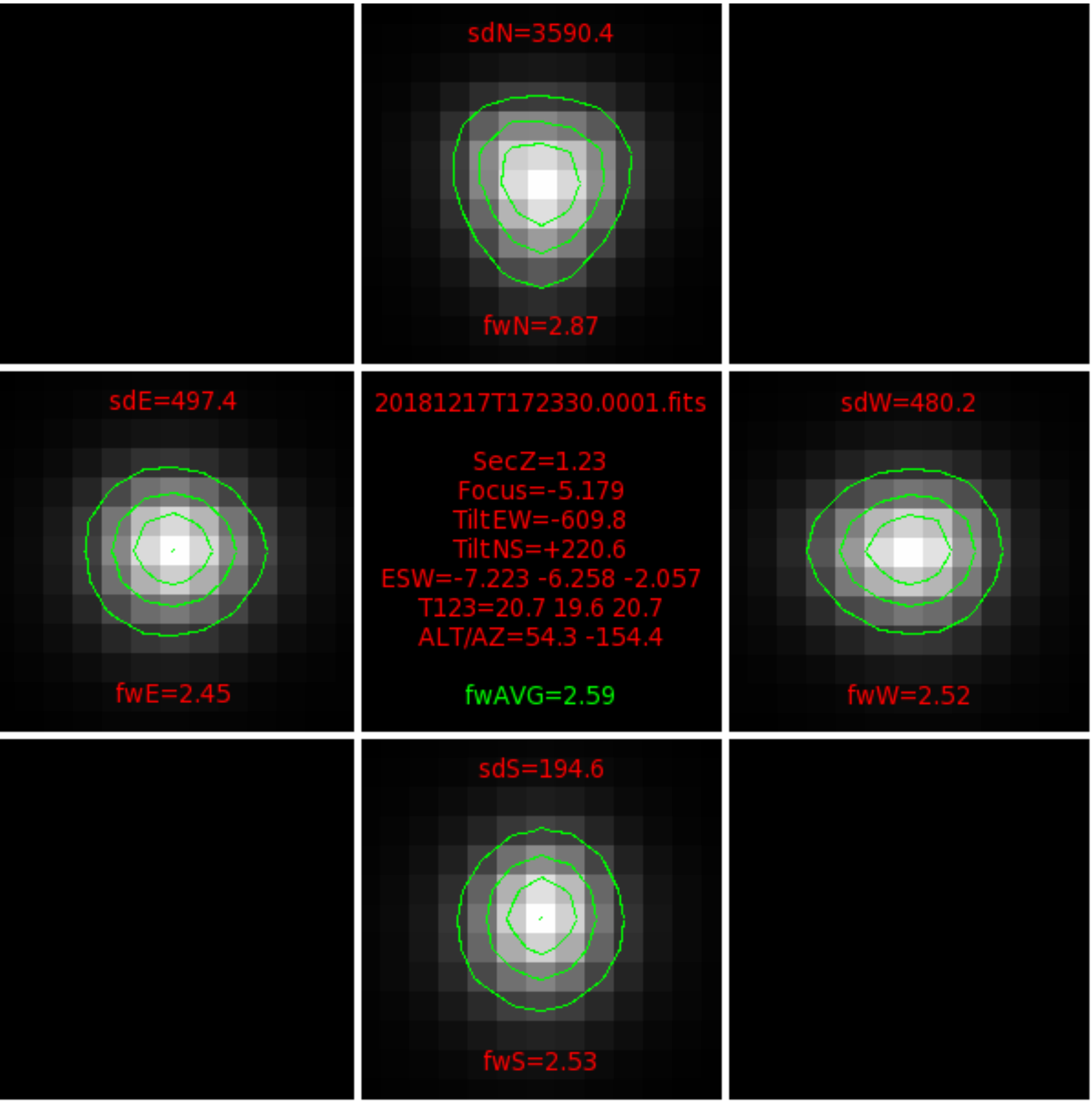
sdN=3590.4
fwN=2.87
sdE=497.4
fwE=2.45
20181217T172330.0001.fits
SecZ=1.23
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=20.7 19.6 20.7
ALT/AZ=54.3 -154.4
fwAVG=2.59
sdW=480.2
fwW=2.52
sdS=194.6
fwS=2.53
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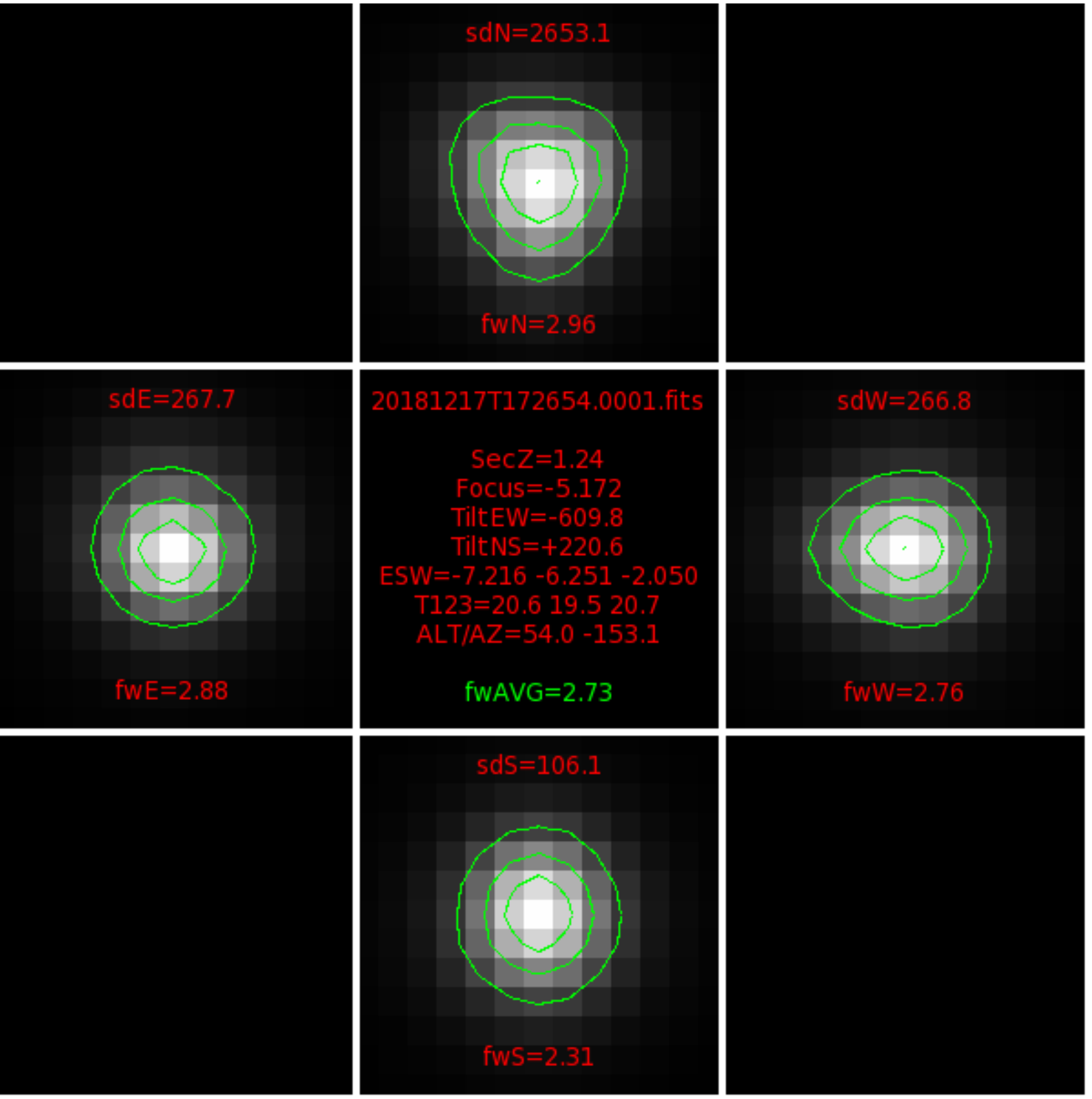
sdN=2653.1
fwN=2.96
sdE=267.7
fwE=2.88
20181217T172654.0001.fits
SecZ=1.24
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=20.6 19.5 20.7
ALT/AZ=54.0 -153.1
fwAVG=2.73
sdW=266.8
fwW=2.76
sdS=106.1
fwS=2.31
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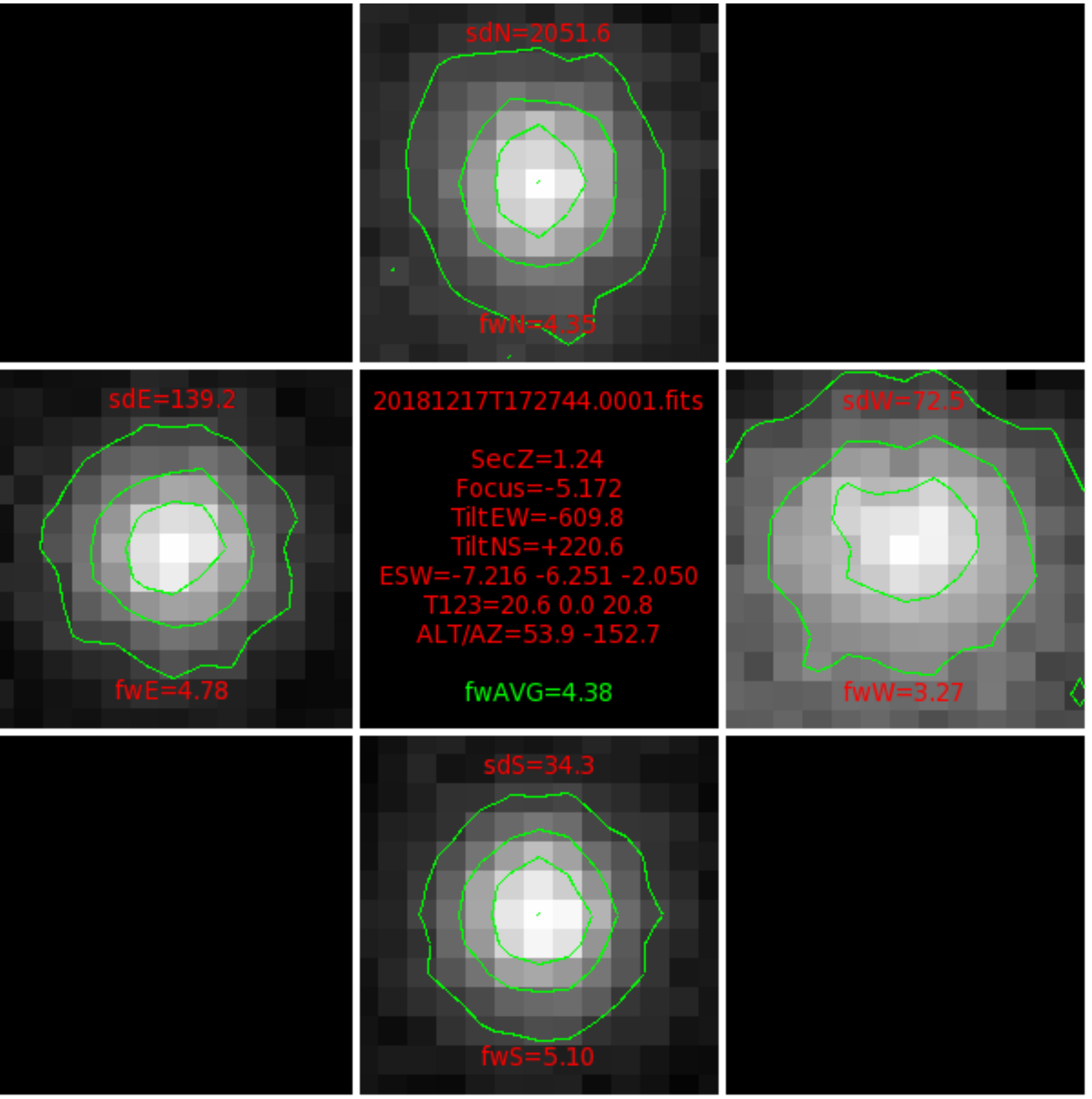
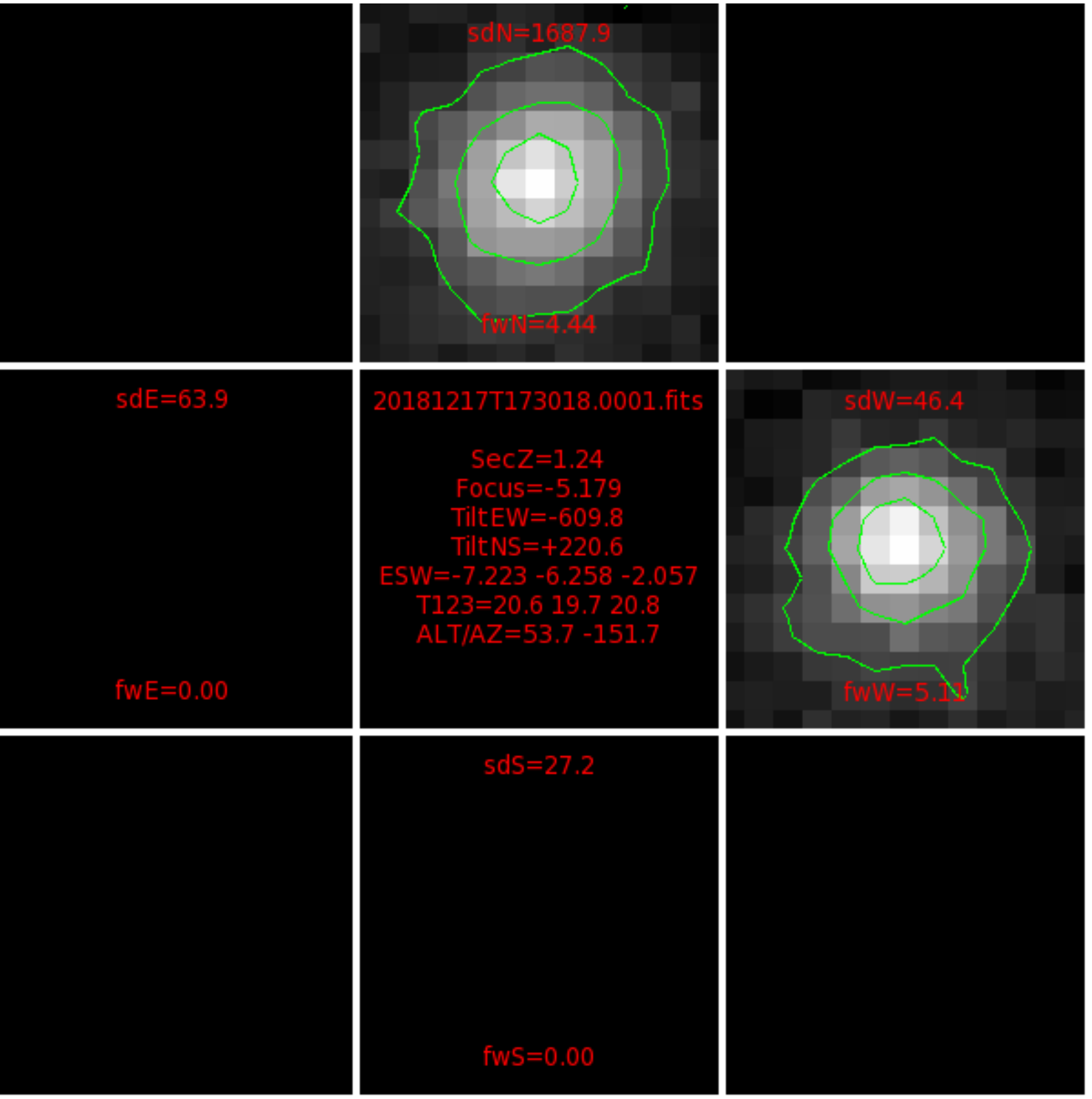
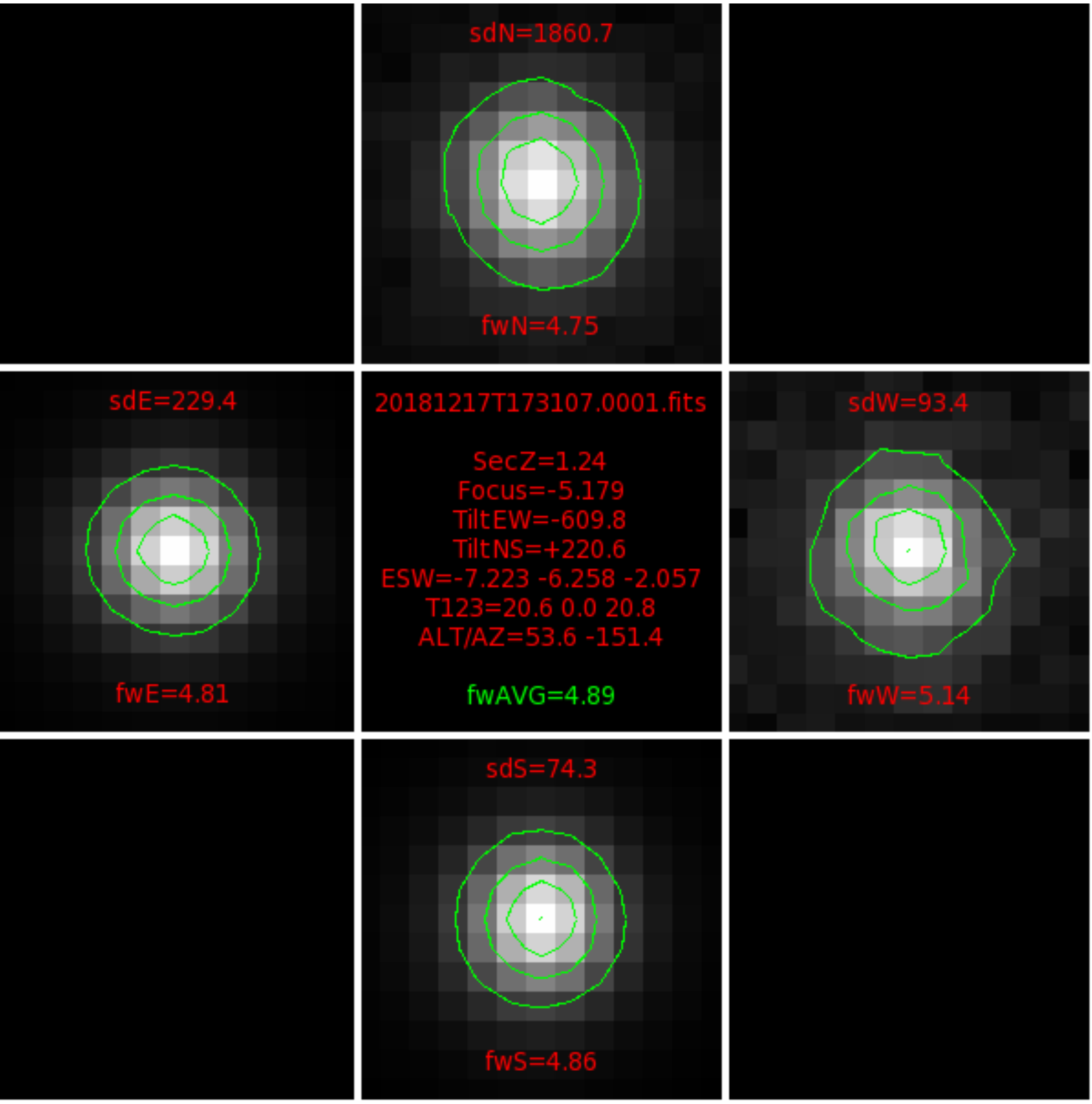
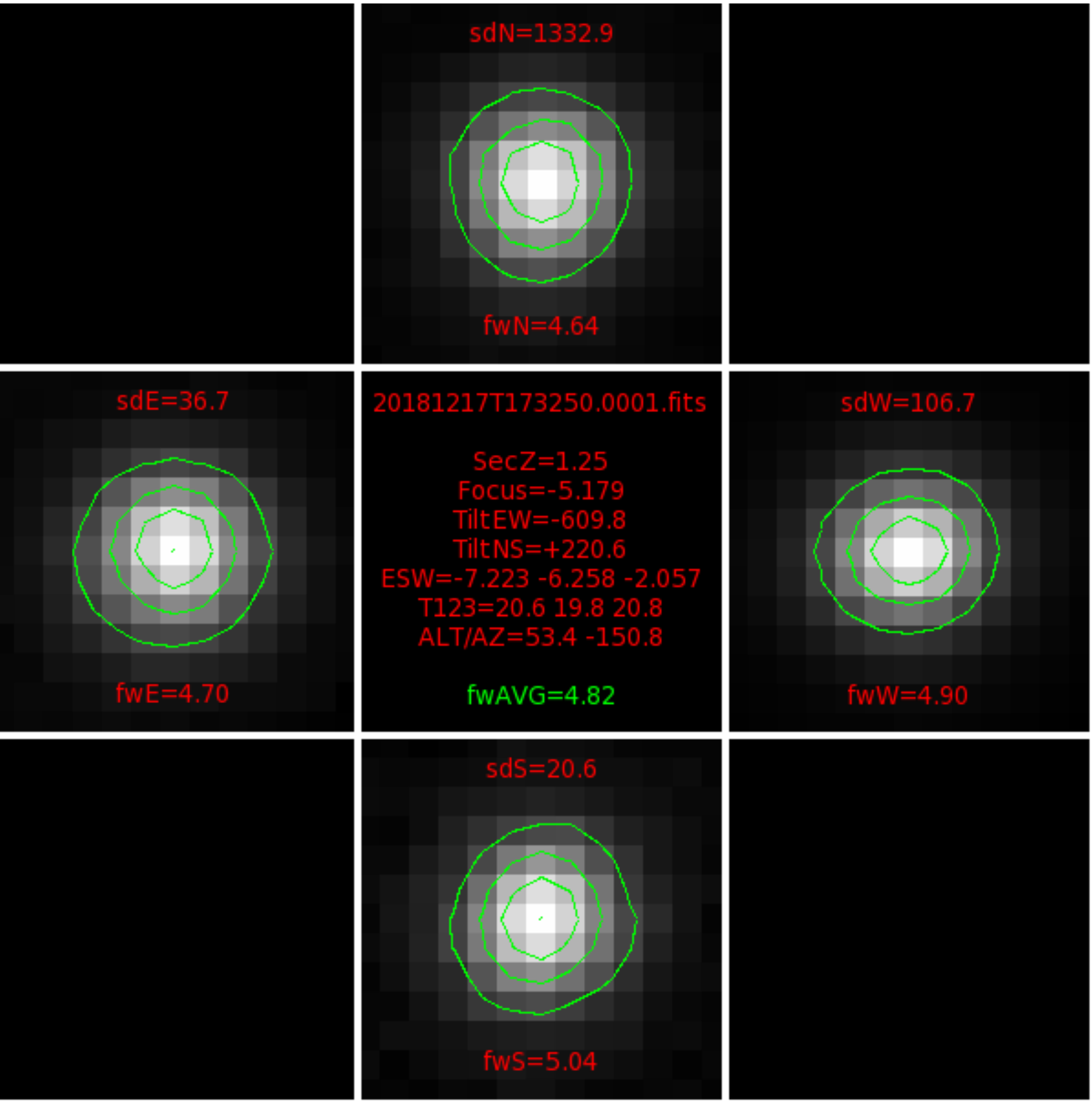

sdN=2051.6
fwN=4.35
sdE=139.2
fwE=4.78
20181217T172744.0001.fits
SecZ=1.24
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=20.6 0.0 20.8
ALT/AZ=53.9 -152.7
fwAVG=4.38
sdW=72.5
fwW=3.27
sdS=34.3
fwS=5.10
0 0 0 0 0 0 0 0 0


sdN=1687.9
fwN=4.44
sdE=63.9
fwE=0.00
20181217T173018.0001.fits
SecZ=1.24
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=20.6 19.7 20.8
ALT/AZ=53.7 -151.7
sdW=46.4
fwW=5.11
sdS=27.2
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=1860.7
fwN=4.75
sdE=229.4
fwE=4.81
20181217T173107.0001.fits
SecZ=1.24
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=20.6 0.0 20.8
ALT/AZ=53.6 -151.4
fwAVG=4.89
sdW=93.4
fwW=5.14
sdS=74.3
fwS=4.86
0 0 0 0 0 0 0 0 0


sdN=1332.9
fwN=4.64
sdE=36.7
fwE=4.70
20181217T173250.0001.fits
SecZ=1.25
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=20.6 19.8 20.8
ALT/AZ=53.4 -150.8
fwAVG=4.82
sdW=106.7
fwW=4.90
sdS=20.6
fwS=5.04
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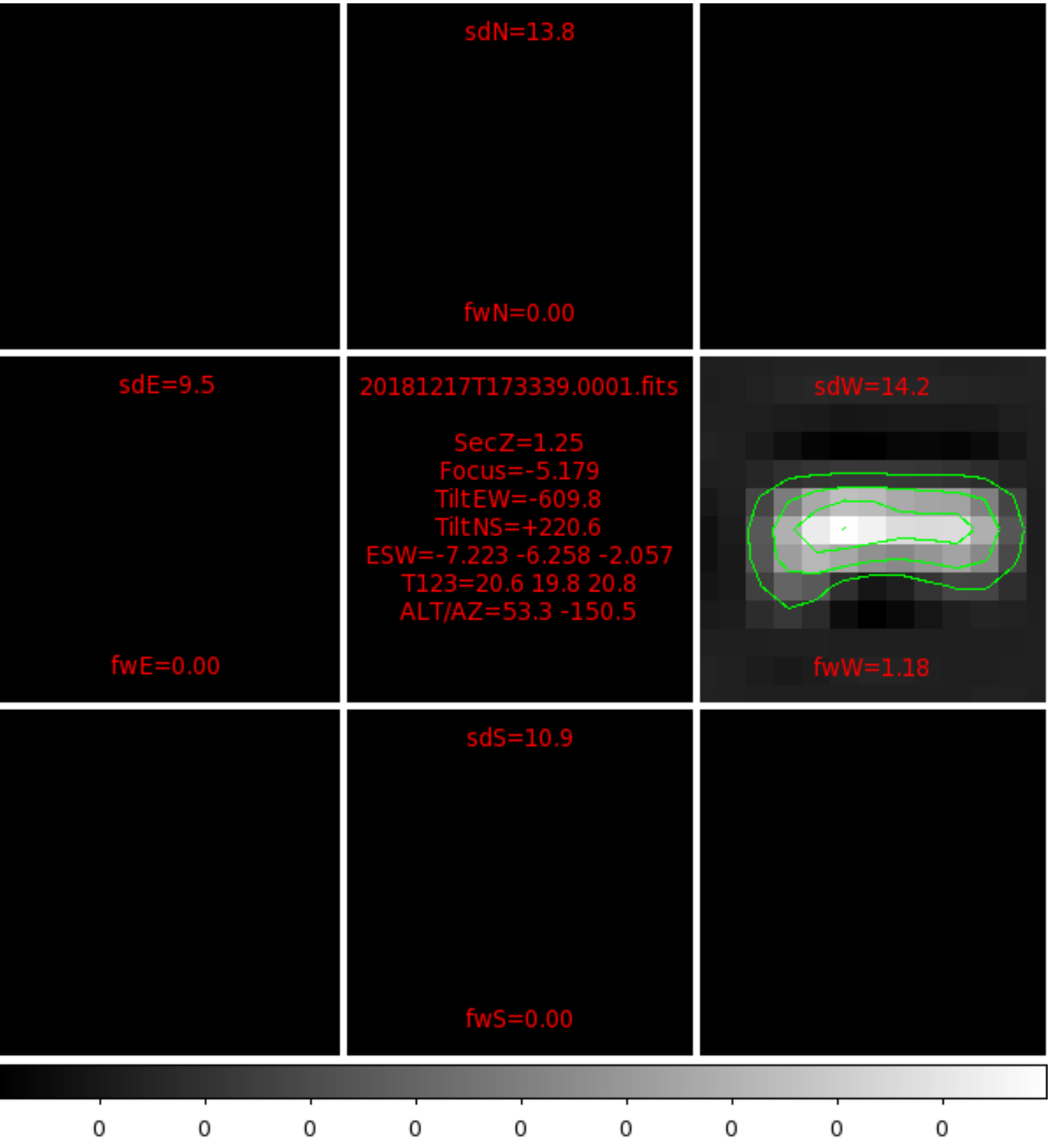
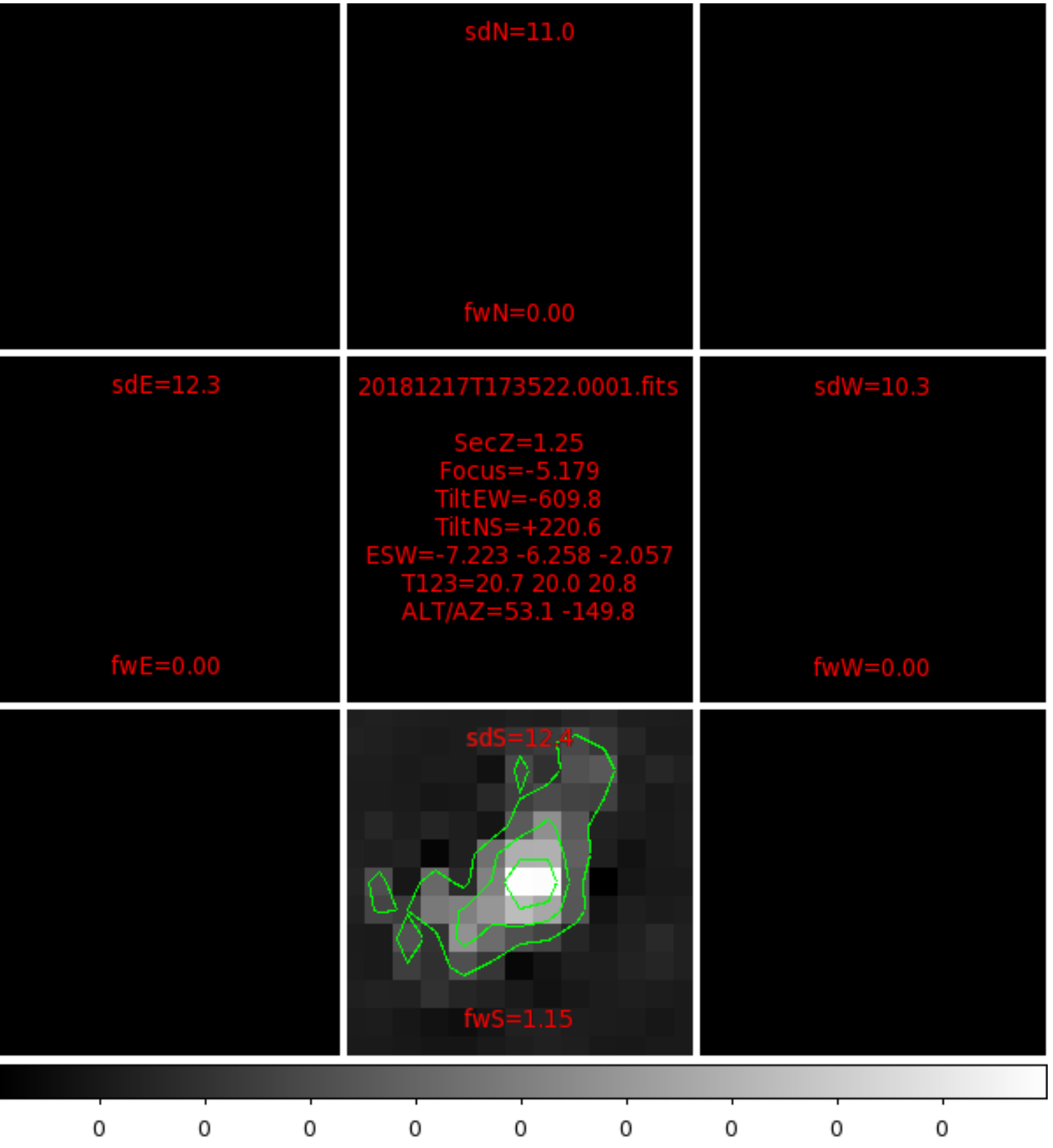
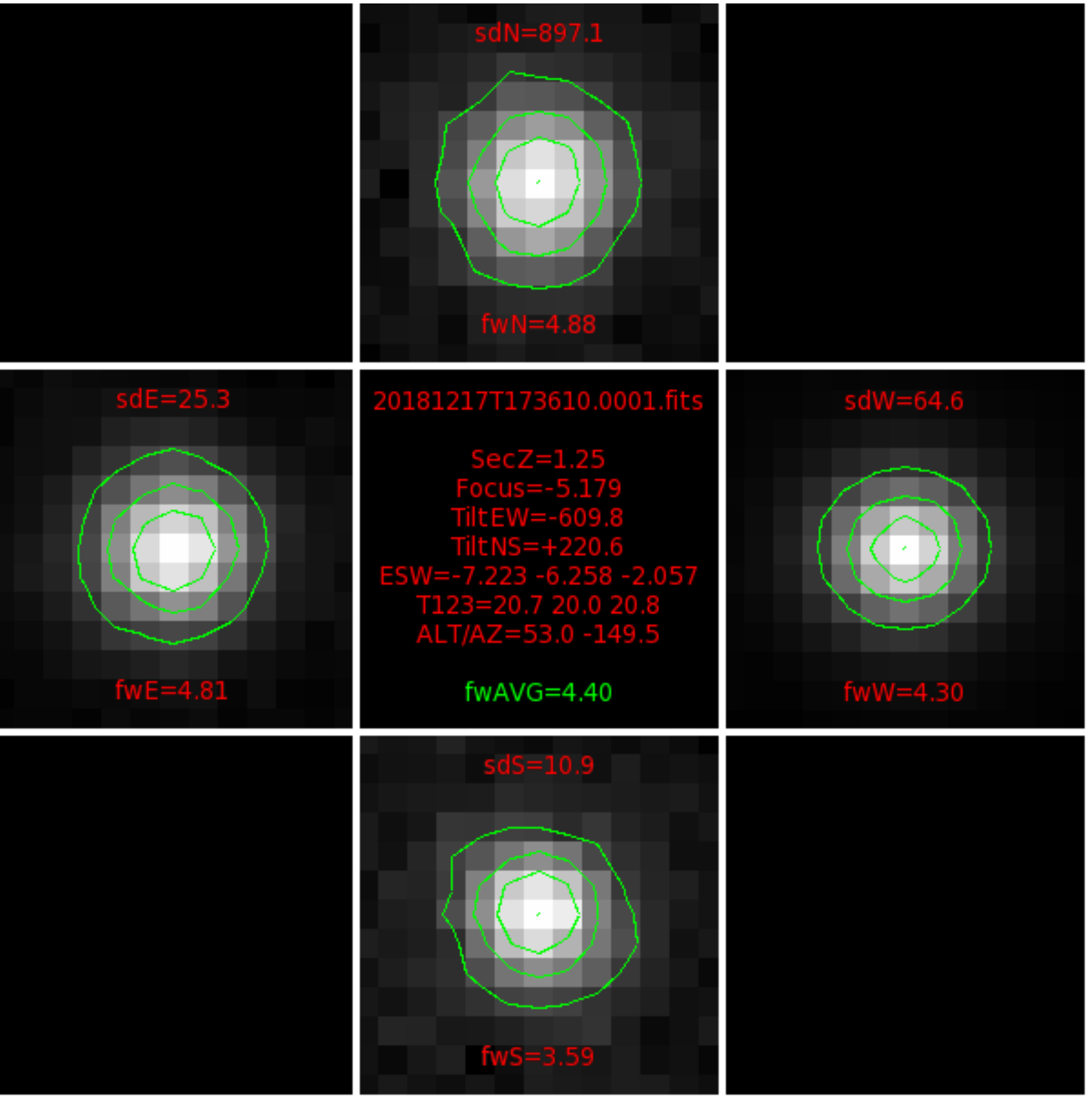

sdN=13.8
fwN=0.00
sdE=9.5
20181217T173339.0001.fits
SecZ=1.25
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=20.6 19.8 20.8
ALT/AZ=53.3 -150.5
sdW=14.2
fwE=0.00
fwW=1.18
sdS=10.9
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=11.0
fwN=0.00
sdE=12.3
20181217T173522.0001.fits
SecZ=1.25
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=20.7 20.0 20.8
ALT/AZ=53.1 -149.8
sdW=10.3
fwE=0.00
fwW=0.00
sdS=12.4
fwS=1.15
0 0 0 0 0 0 0 0 0


sdN=897.1
fwN=4.88
sdE=25.3
fwE=4.81
20181217T173610.0001.fits
SecZ=1.25
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=20.7 20.0 20.8
ALT/AZ=53.0 -149.5
fwAVG=4.40
sdW=64.6
fwW=4.30
sdS=10.9
fwS=3.59
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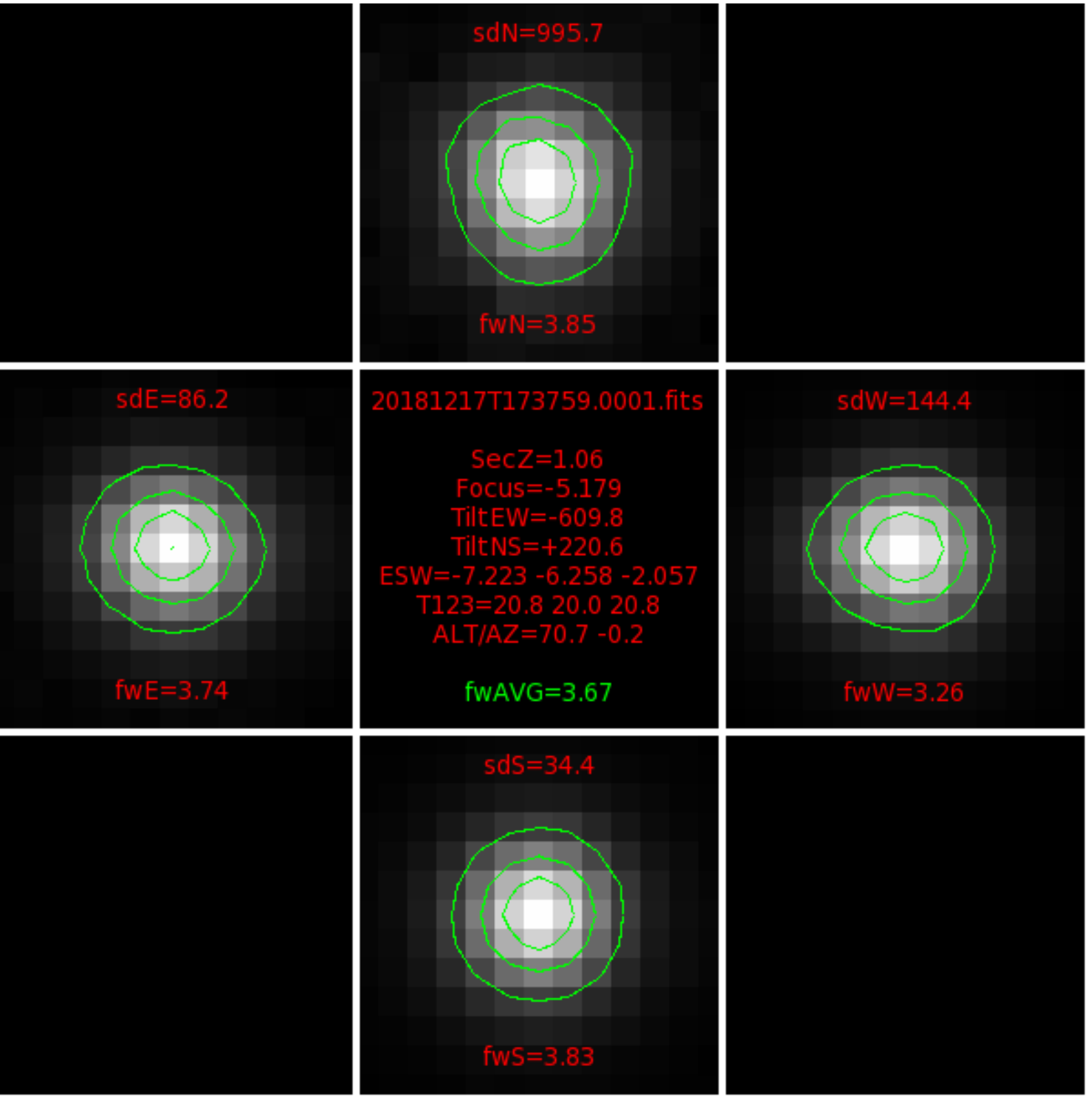
sdN=995.7
fwN=3.85
sdE=86.2
fwE=3.74
20181217T173759.0001.fits
SecZ=1.06
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=20.8 20.0 20.8
ALT/AZ=70.7 -0.2
fwAVG=3.67
sdW=144.4
fwW=3.26
sdS=34.4
fwS=3.83
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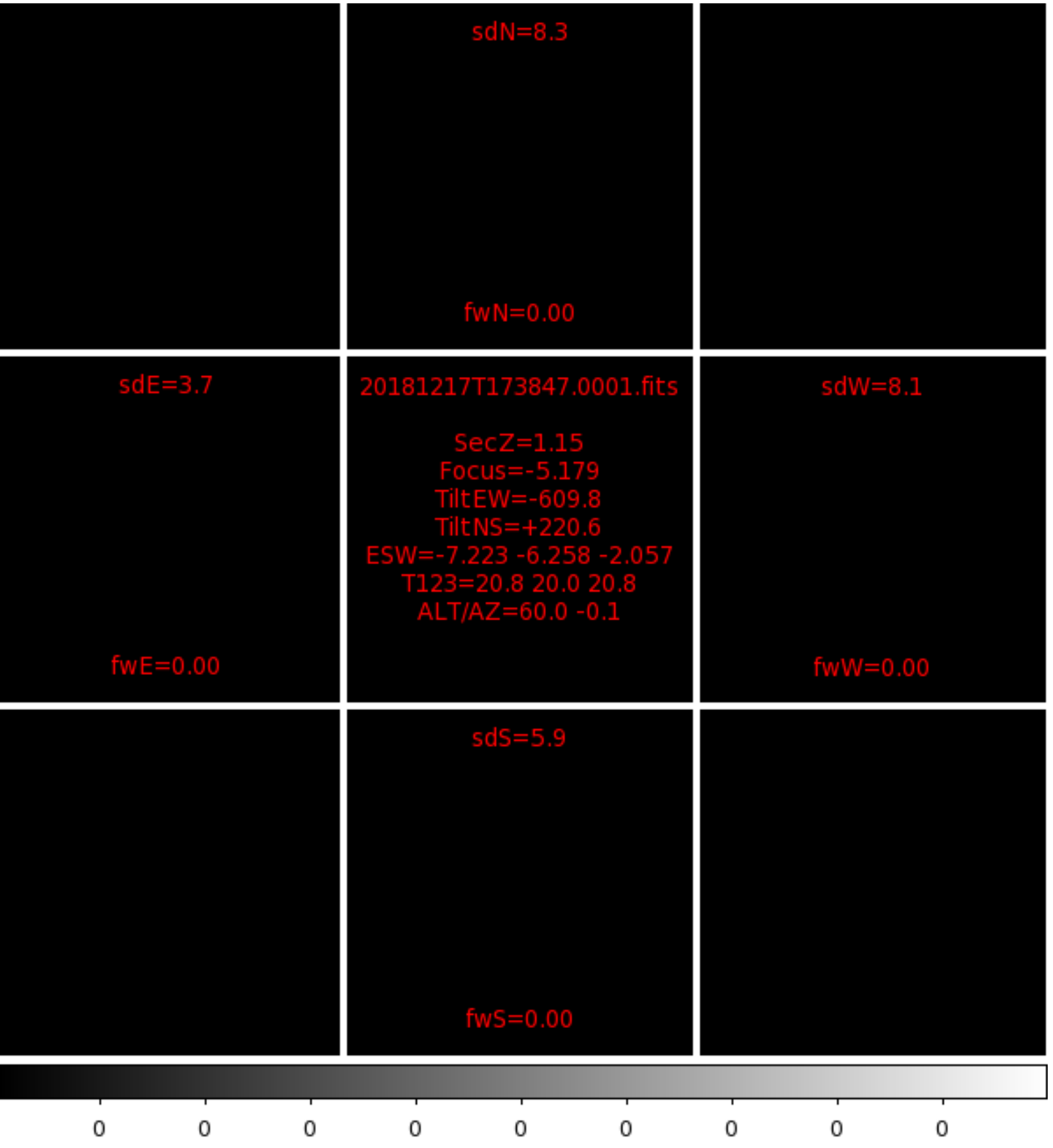
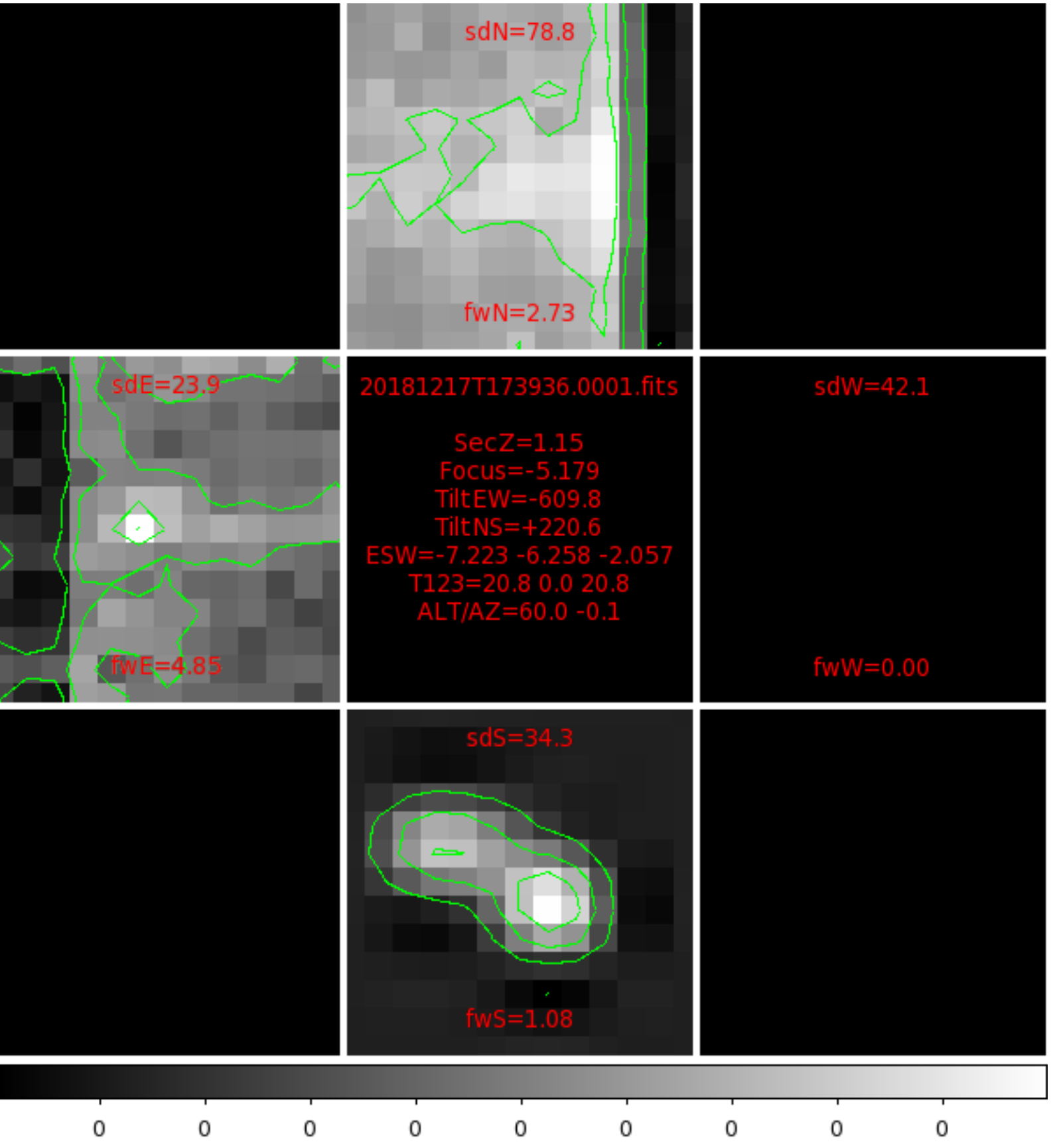
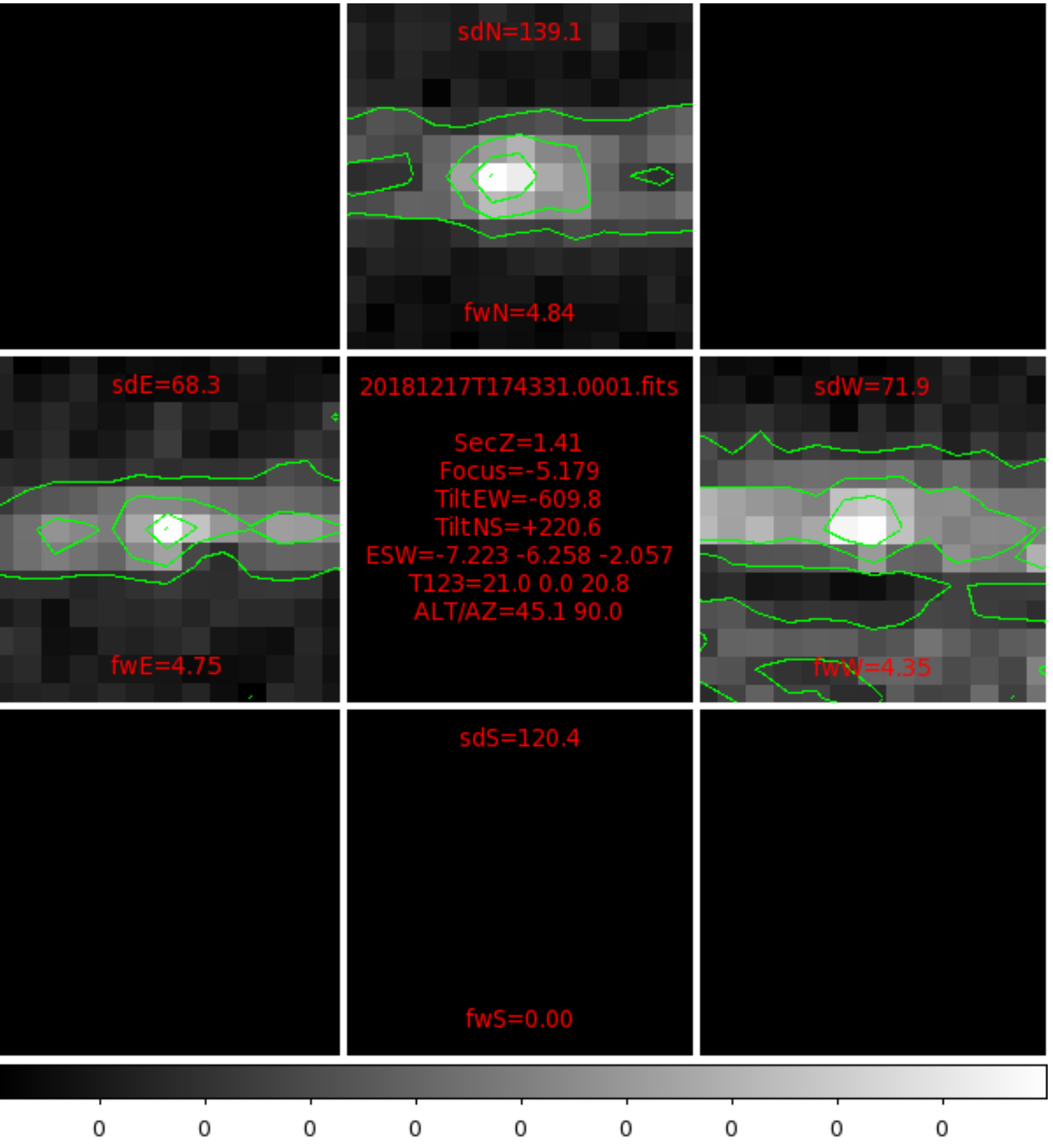

sdN=8.3
fwN=0.00
sdE=3.7
fwE=0.00
20181217T173847.0001.fits
SecZ=1.15
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=20.8 20.0 20.8
ALT/AZ=60.0 -0.1
sdW=8.1
fwW=0.00
sdS=5.9
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=78.8
fwN=2.73
sdE=23.9
fwE=4.85
20181217T173936.0001.fits
SecZ=1.15
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=20.8 0.0 20.8
ALT/AZ=60.0 -0.1
sdW=42.1
fwW=0.00
sdS=34.3
fwS=1.08
0 0 0 0 0 0 0 0 0


sdN=139.1
fwN=4.84
sdE=68.3
fwE=4.75
20181217T174331.0001.fits
SecZ=1.41
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=21.0 0.0 20.8
ALT/AZ=45.1 90.0
sdW=71.9
fwW=4.35
sdS=120.4
fwS=0.00
0 0 0 0 0 0 0 0 0

sdN=19.4
fwN=0.00
sdE=16.8
20181217T174428.0001.fits
SecZ=1.41
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=21.0 19.9 20.8
ALT/AZ=45.1 90.0
sdW=1040.9
fwE=0.00
fwW=0.00
sdS=78.7
fwS=4.99
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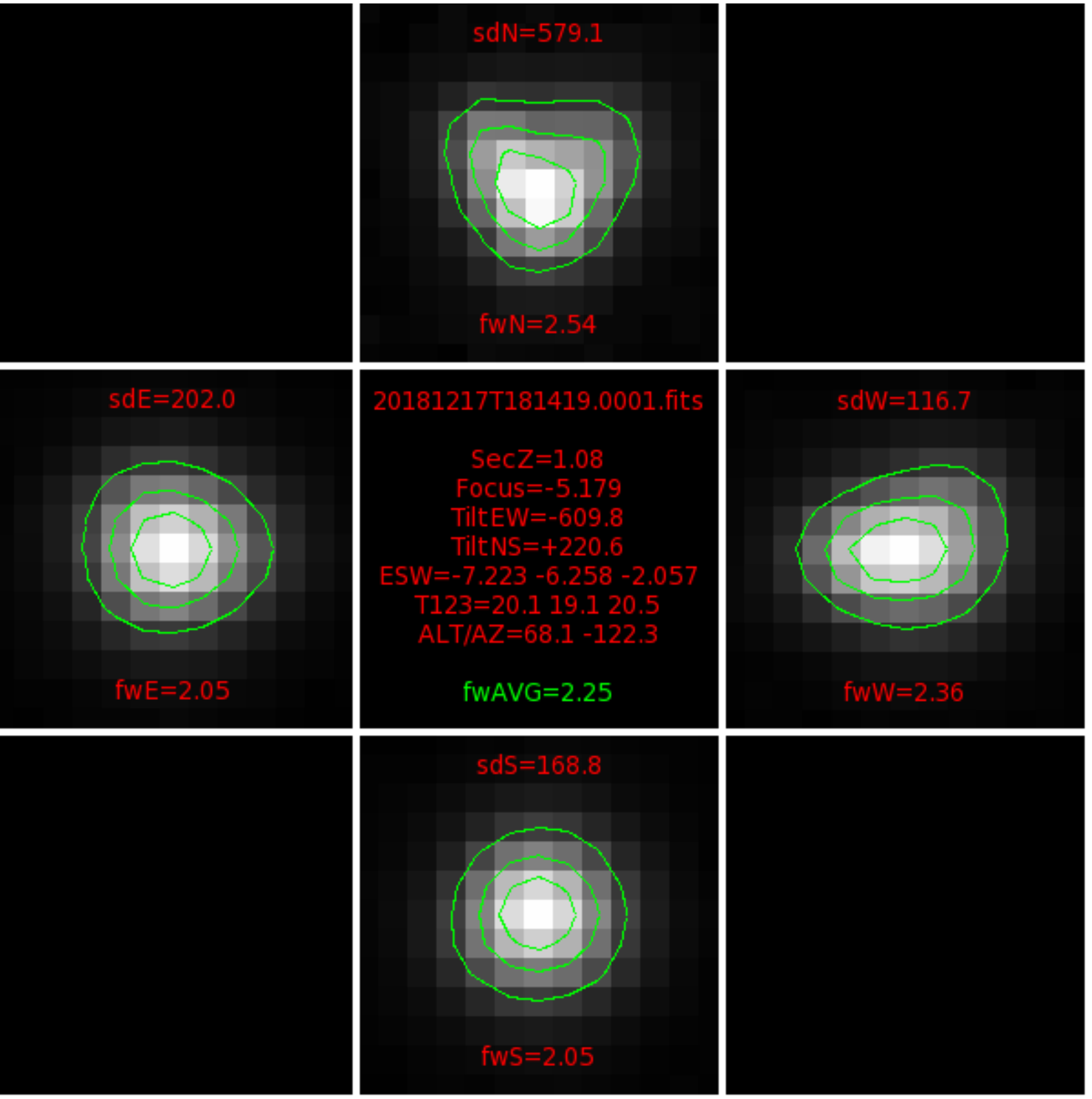
sdN=579.1
fwN=2.54
sdE=202.0
fwE=2.05
20181217T181419.0001.fits
SecZ=1.08
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=20.1 19.1 20.5
ALT/AZ=68.1 -122.3
fwAVG=2.25
sdW=116.7
fwW=2.36
sdS=168.8
fwS=2.05
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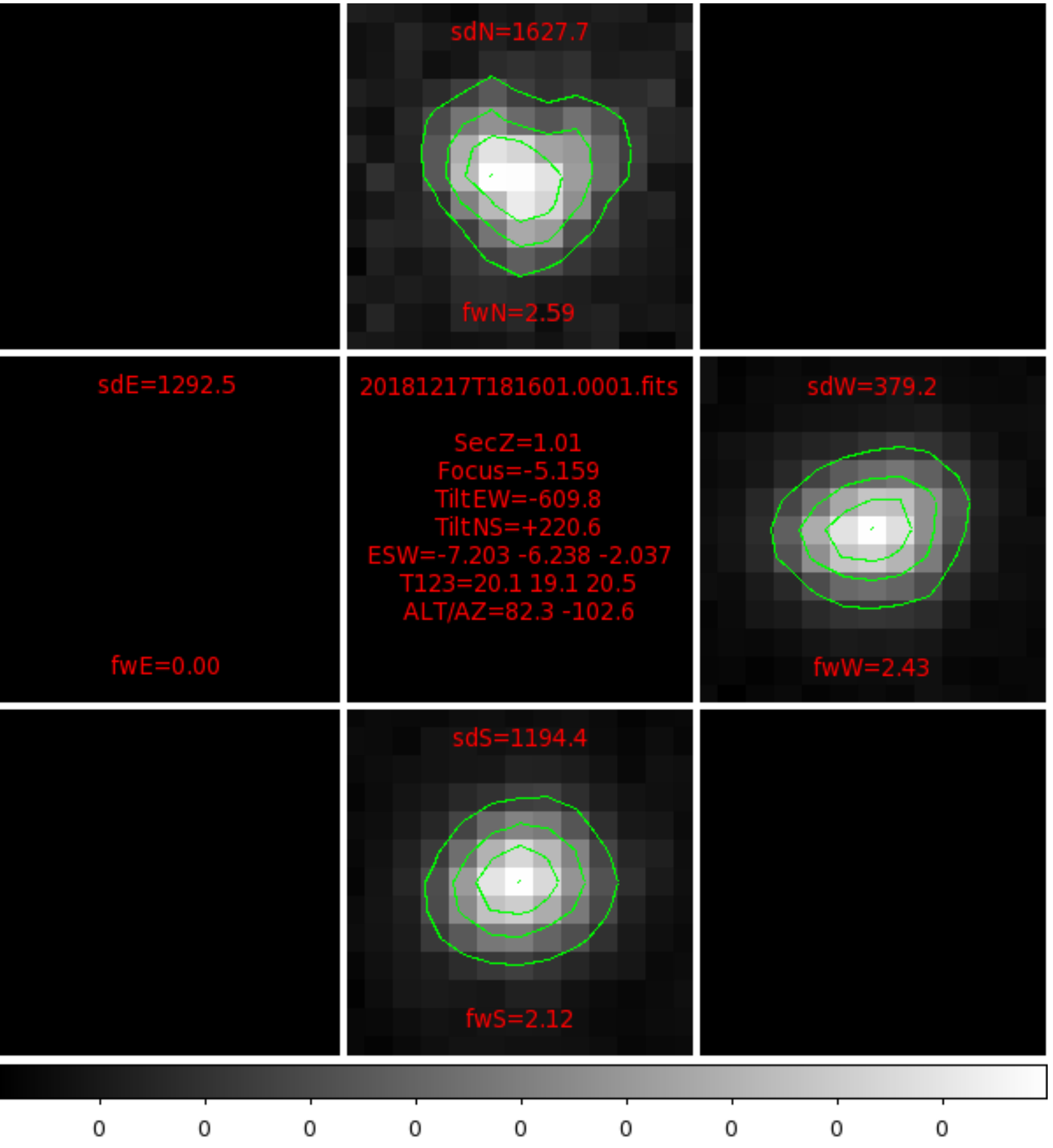
sdN=1627.7
fwN=2.59
sdE=1292.5
fwE=0.00
20181217T181601.0001.fits
SecZ=1.01
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=20.1 19.1 20.5
ALT/AZ=82.3 -102.6
sdW=379.2
fwW=2.43
sdS=1194.4
fwS=2.12
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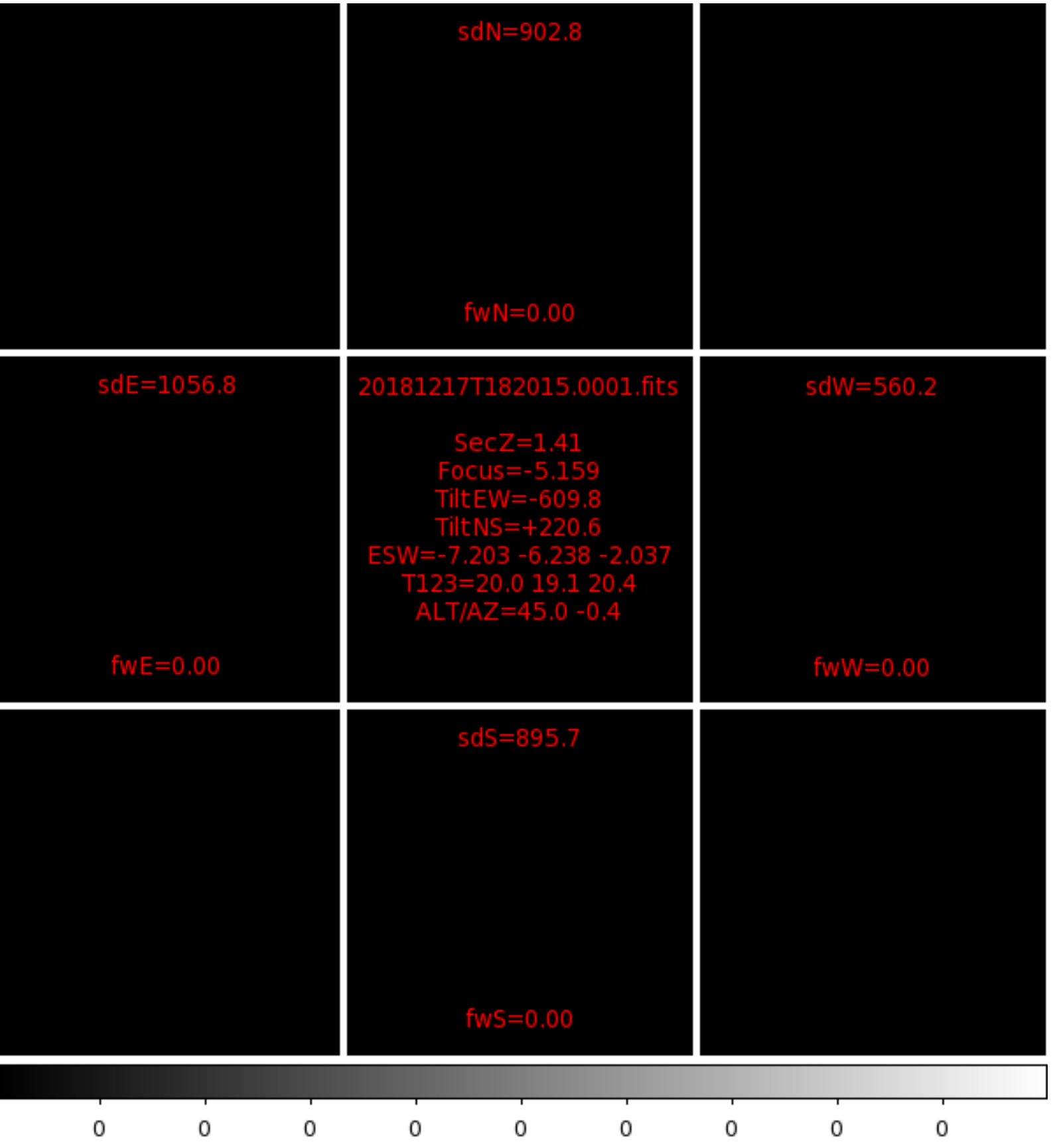
sdN=902.8
fwN=0.00
sdE=1056.8
fwE=0.00
20181217T182015.0001.fits
SecZ=1.41
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=20.0 19.1 20.4
ALT/AZ=45.0 -0.4
sdW=560.2
fwW=0.00
sdS=895.7
fwS=0.00
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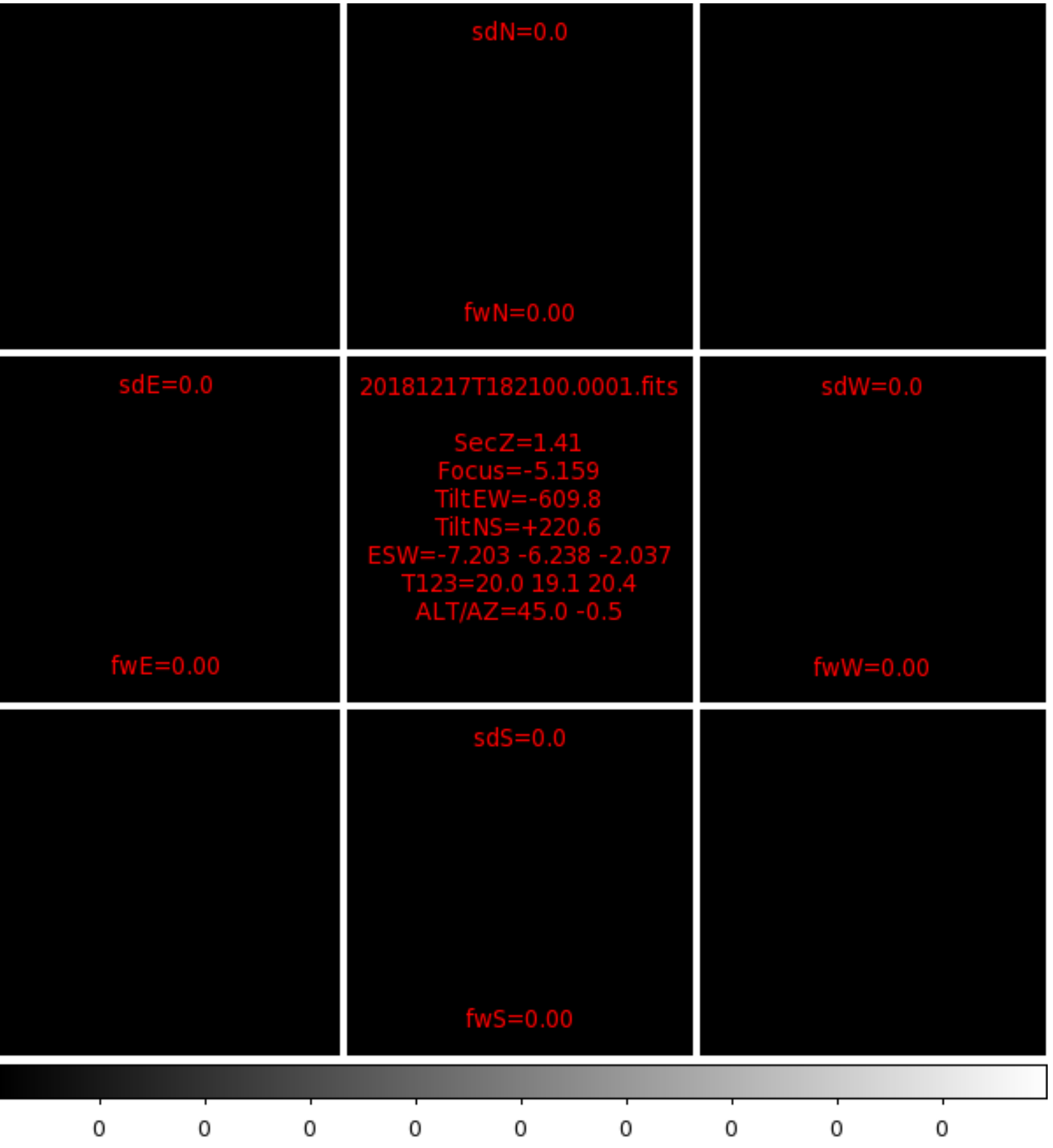
sdN=0.0
fwN=0.00
sdE=0.0
20181217T182100.0001.fits
SecZ=1.41
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=20.0 19.1 20.4
ALT/AZ=45.0 -0.5
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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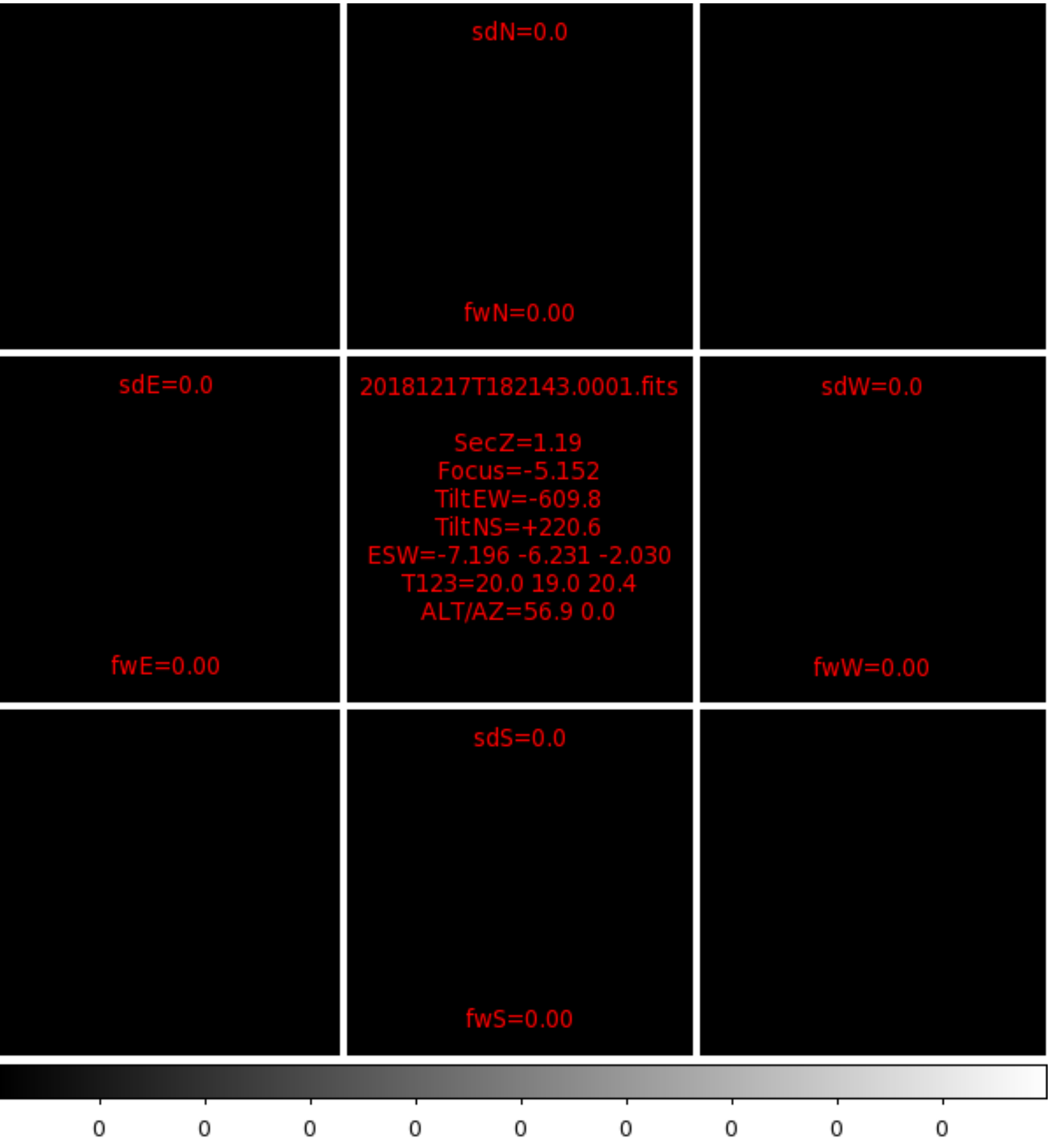
sdN=0.0
fwN=0.00
sdE=0.0
20181217T182143.0001.fits
SecZ=1.19
Focus=-5.152
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.196 -6.231 -2.030
T123=20.0 19.0 20.4
ALT/AZ=56.9 0.0
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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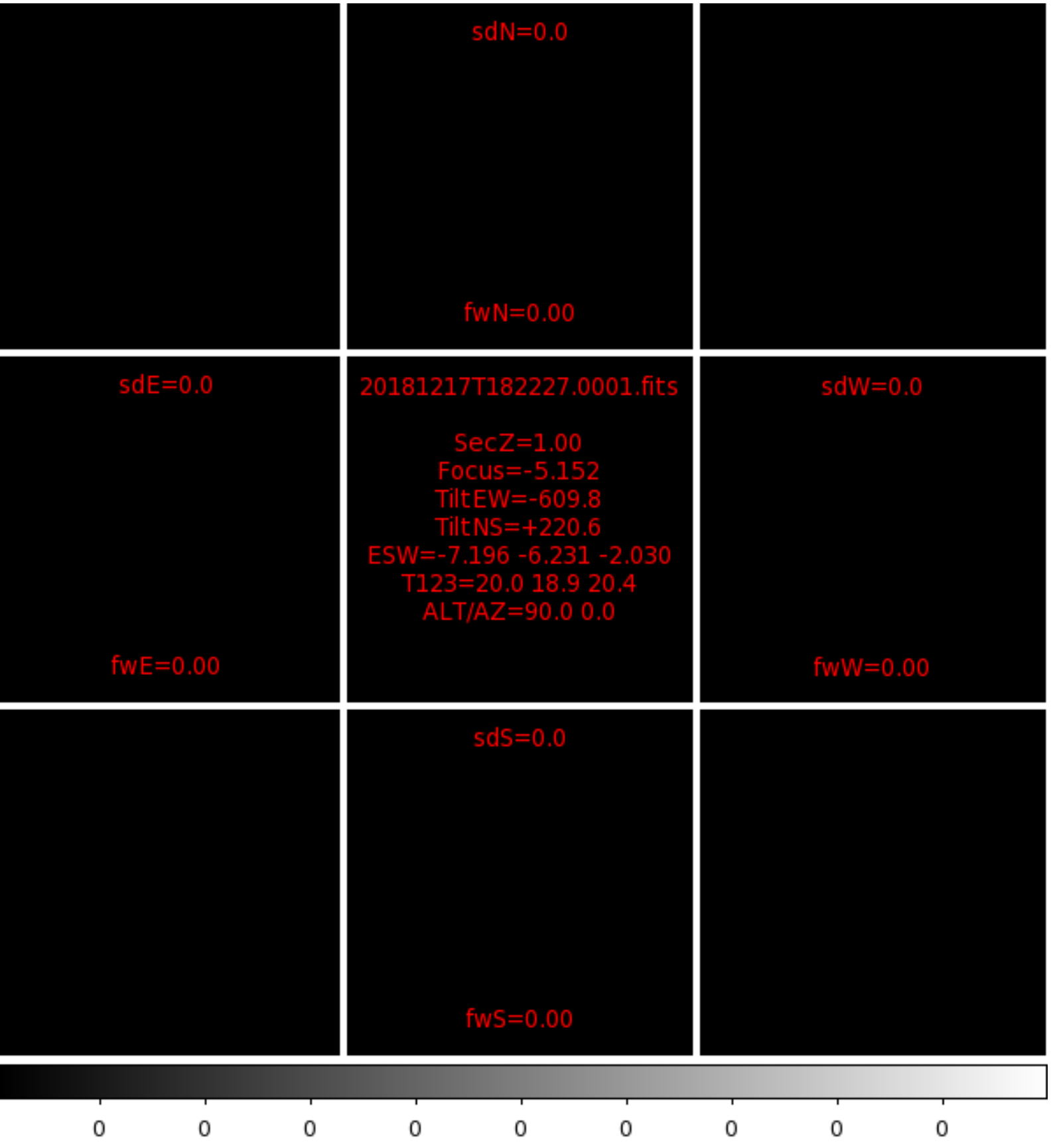
sdN=0.0
fwN=0.00
sdE=0.0
20181217T182227.0001.fits
SecZ=1.00
Focus=-5.152
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.196 -6.231 -2.030
T123=20.0 18.9 20.4
ALT/AZ=90.0 0.0
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
0 0 0 0 0 0 0 0 0