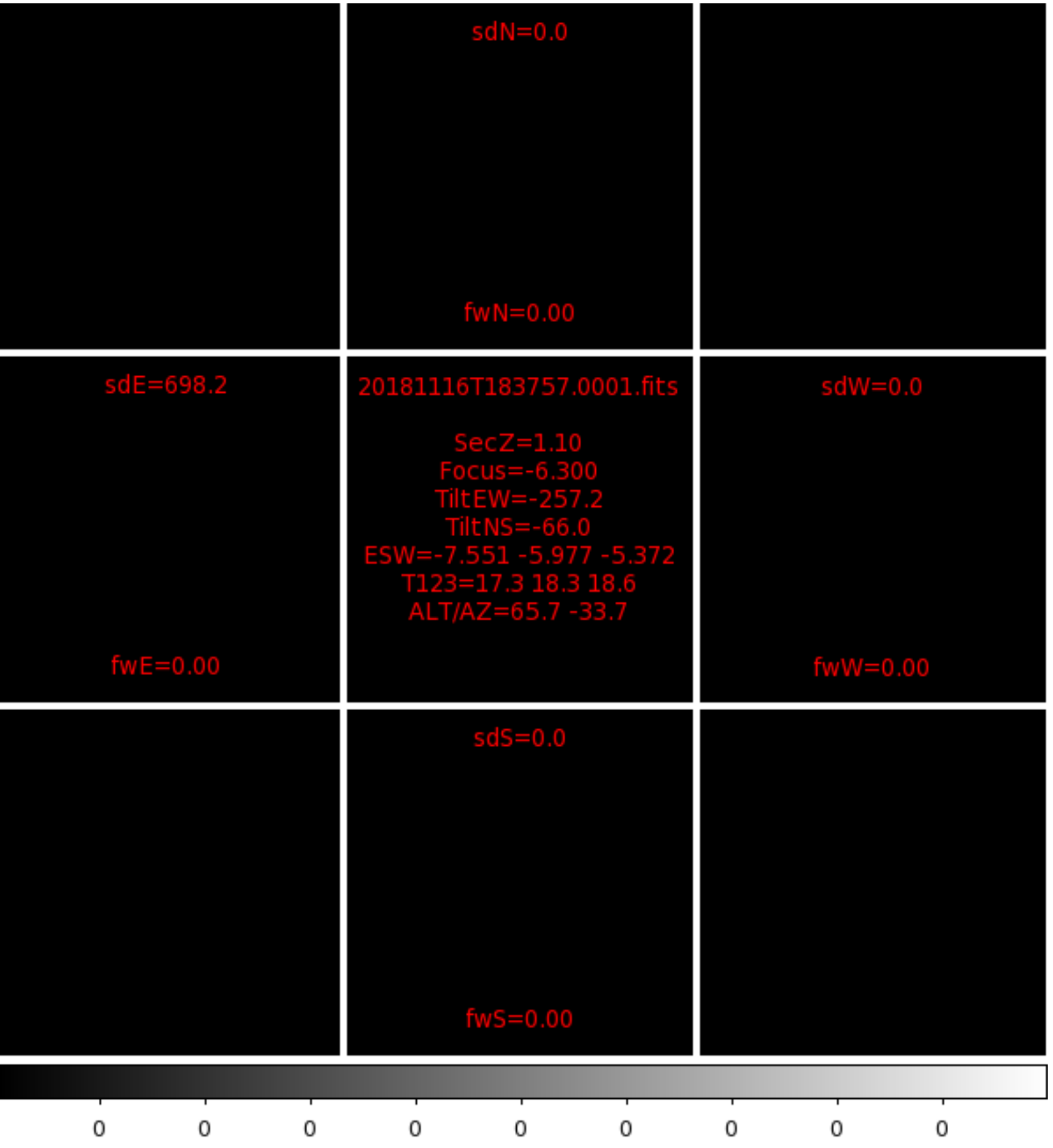
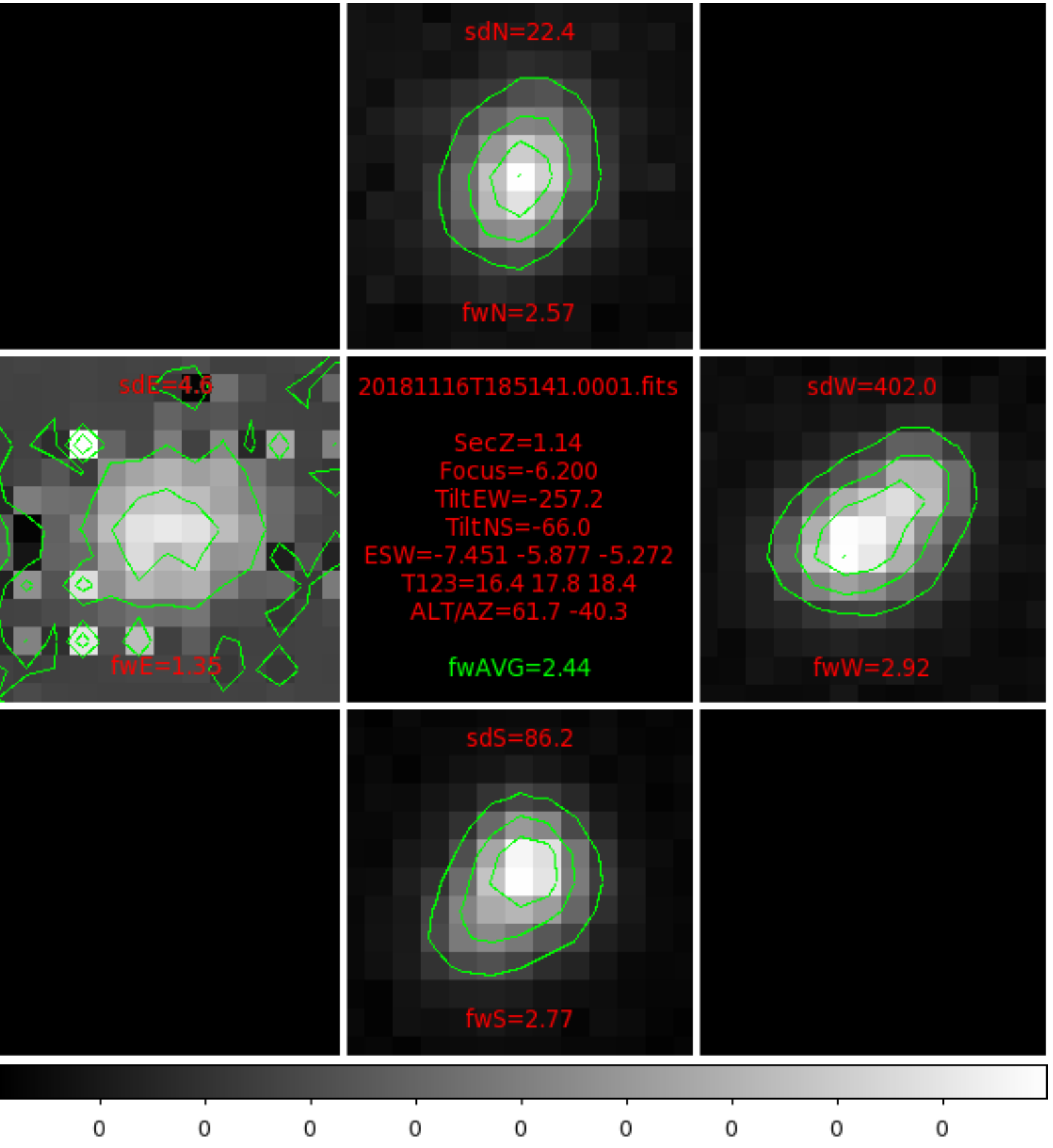
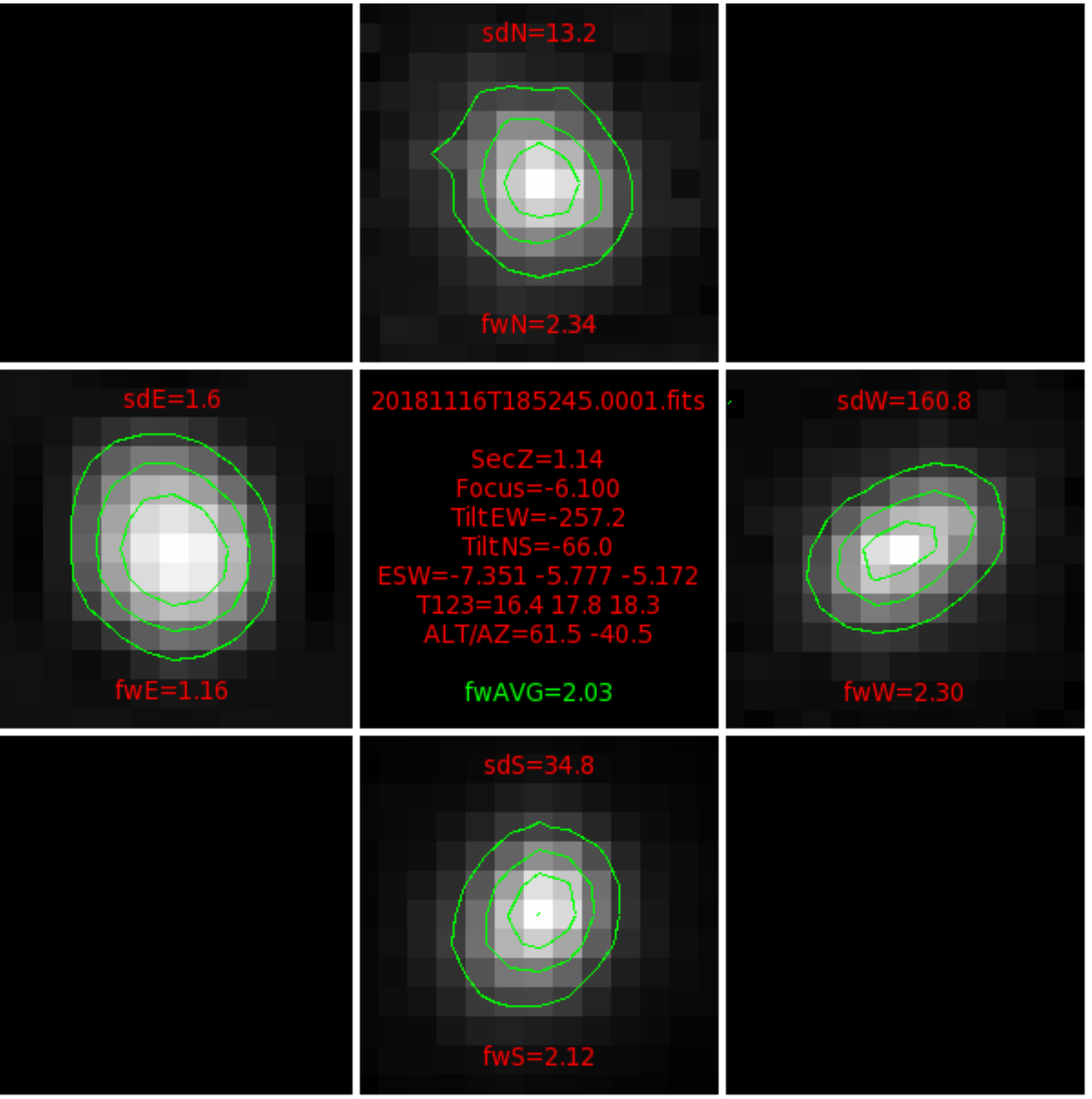
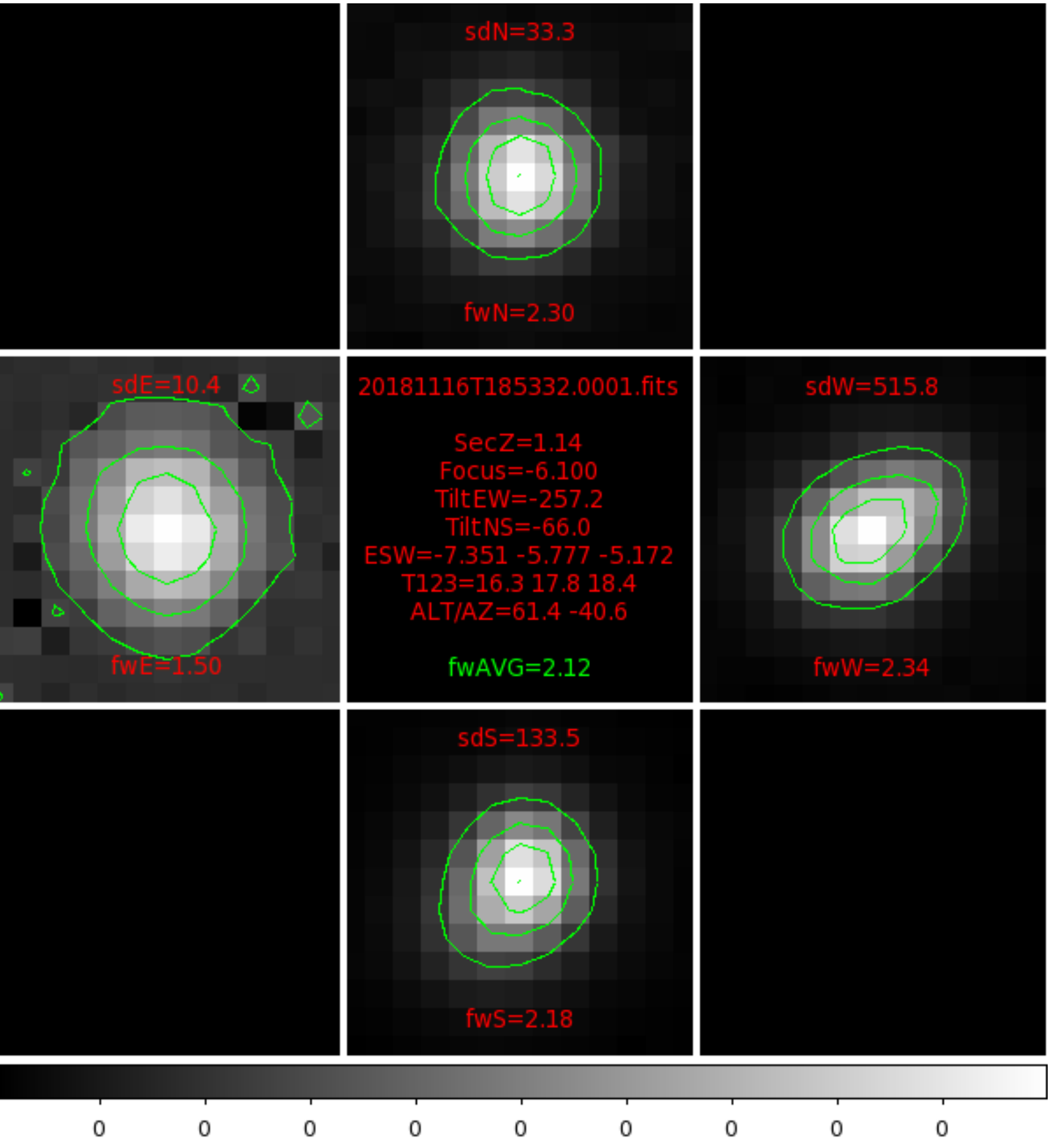
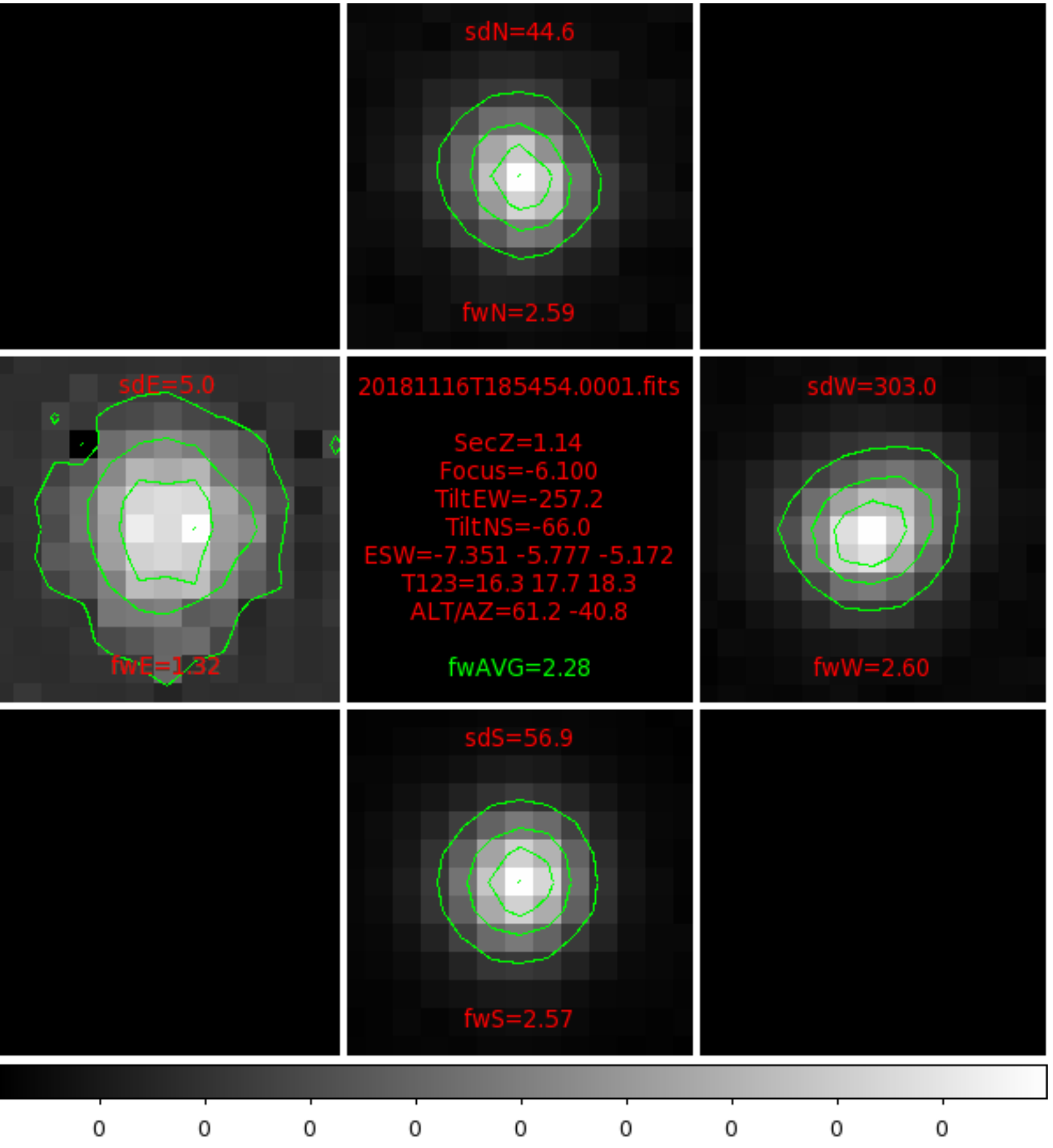
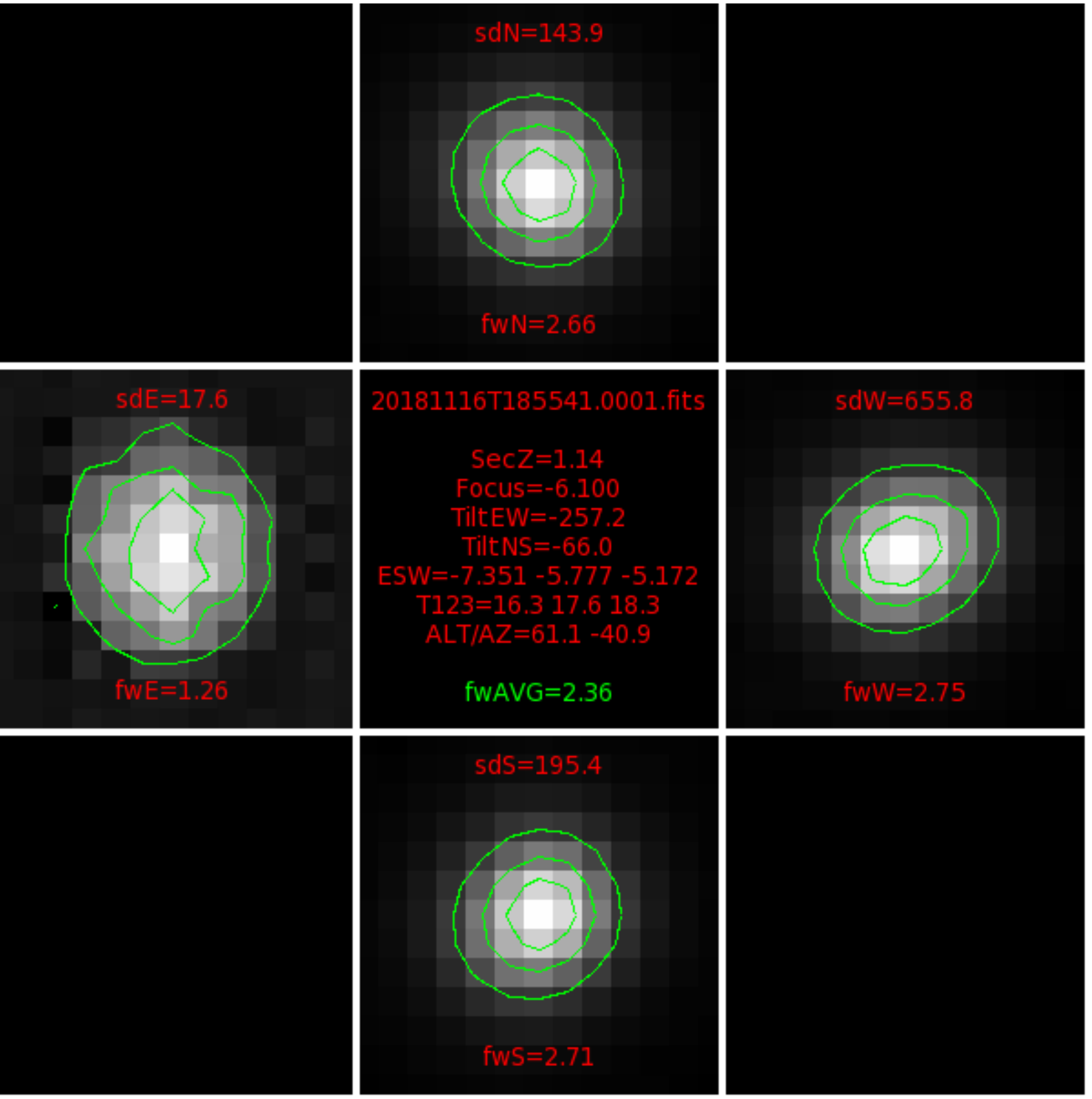

sdN=0.0
fwN=0.00
sdE=698.2
fwE=0.00
20181116T183757.0001.fits
SecZ=1.10
Focus=-6.300
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.551 -5.977 -5.372
T123=17.3 18.3 18.6
ALT/AZ=65.7 -33.7
sdW=0.0
fwW=0.00
sdS=0.0
fwS=0.00
0 0 0 0 0 0 0 0 0

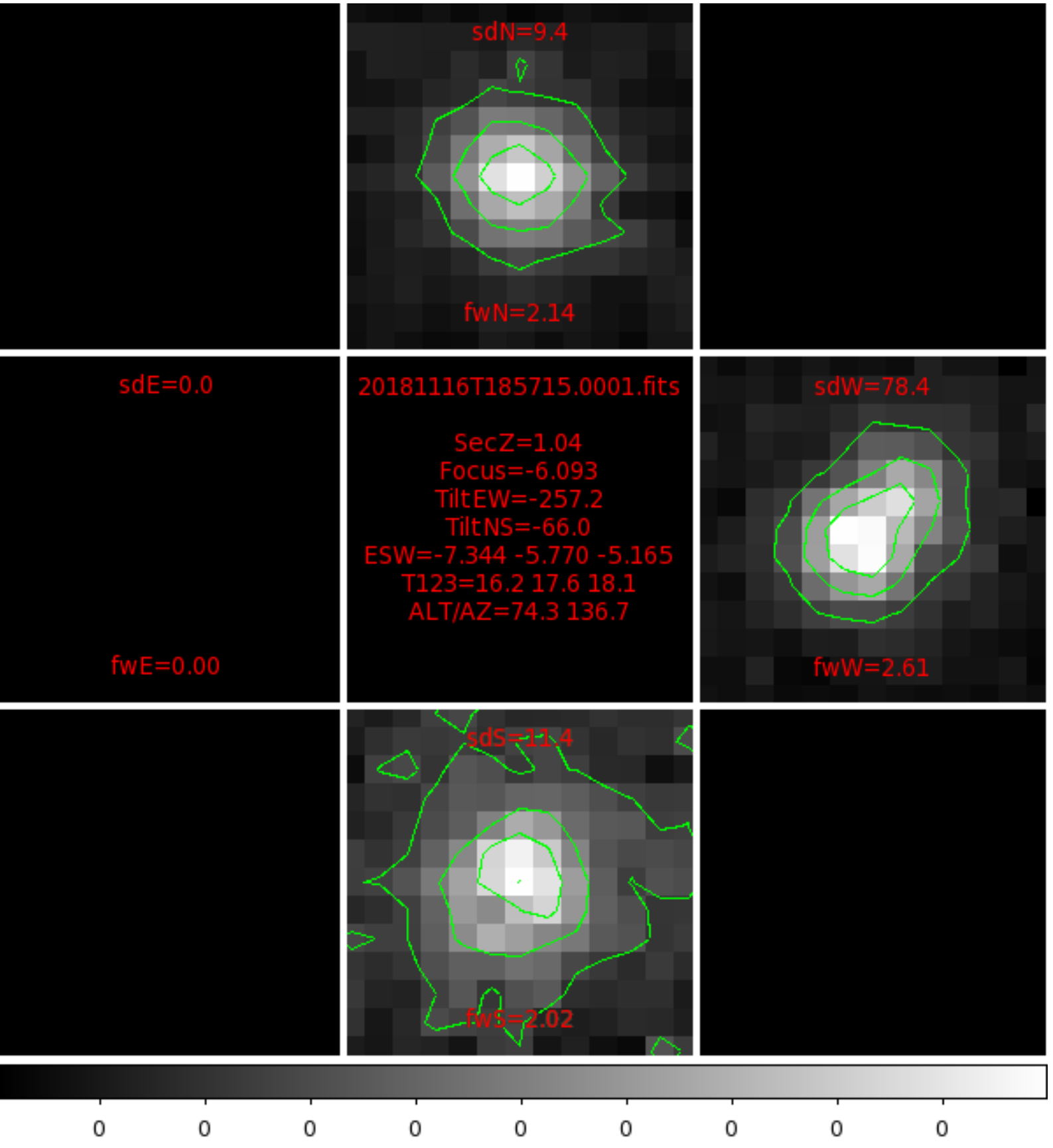

sdN=22.4
fwN=2.57
sdE=4.6
fwE=1.35
20181116T185141.0001.fits
SecZ=1.14
Focus=-6.200
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.451 -5.877 -5.272
T123=16.4 17.8 18.4
ALT/AZ=61.7 -40.3
fwAVG=2.44
sdW=402.0
fwW=2.92
sdS=86.2
fwS=2.77
0 0 0 0 0 0 0 0 0

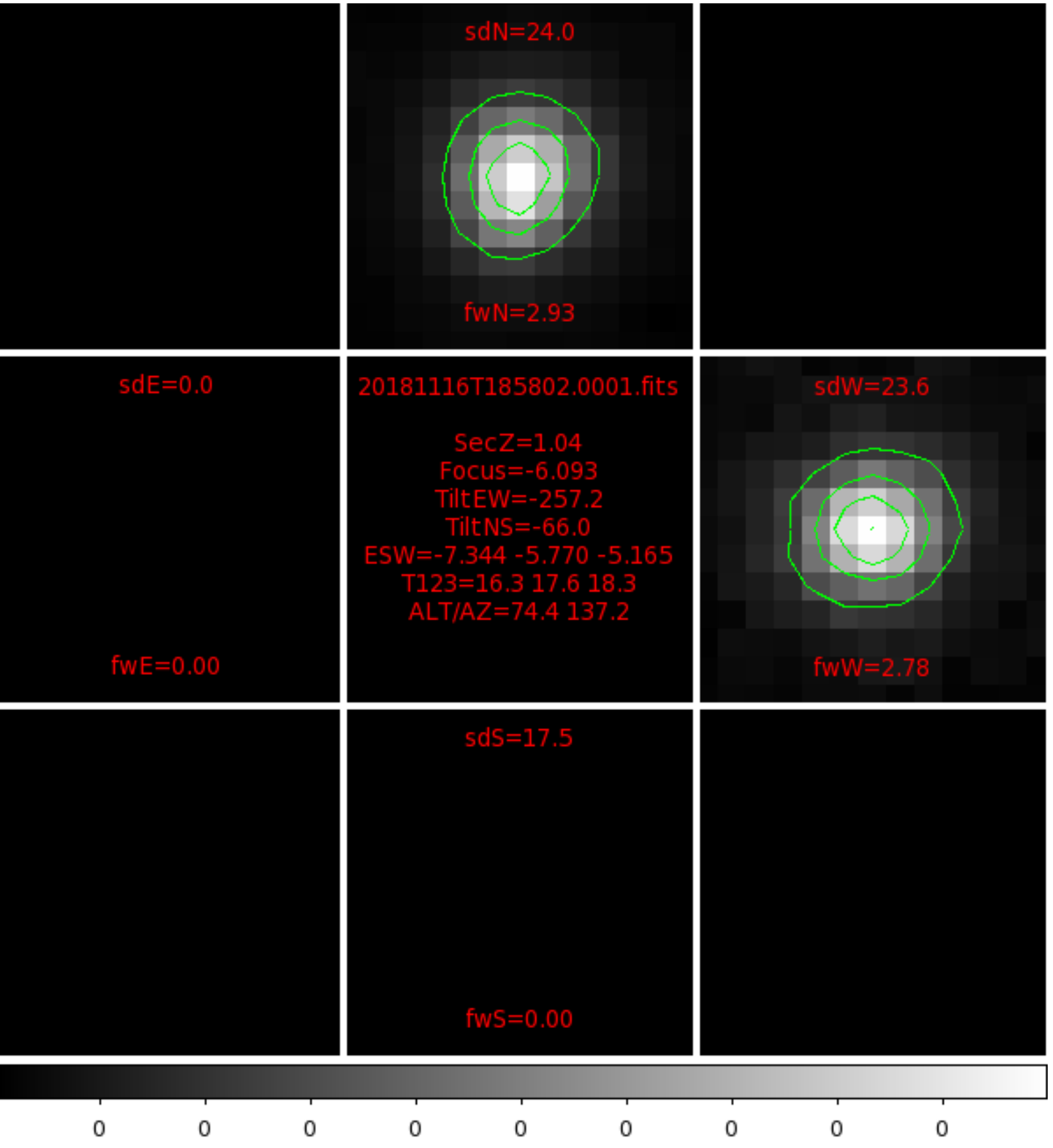

sdN=13.2
fwN=2.34
sdE=1.6
fwE=1.16
20181116T185245.0001.fits
SecZ=1.14
Focus=-6.100
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.351 -5.777 -5.172
T123=16.4 17.8 18.3
ALT/AZ=61.5 -40.5
fwAVG=2.03
sdW=160.8
fwW=2.30
sdS=34.8
fwS=2.12
0 0 0 0 0 0 0 0 0

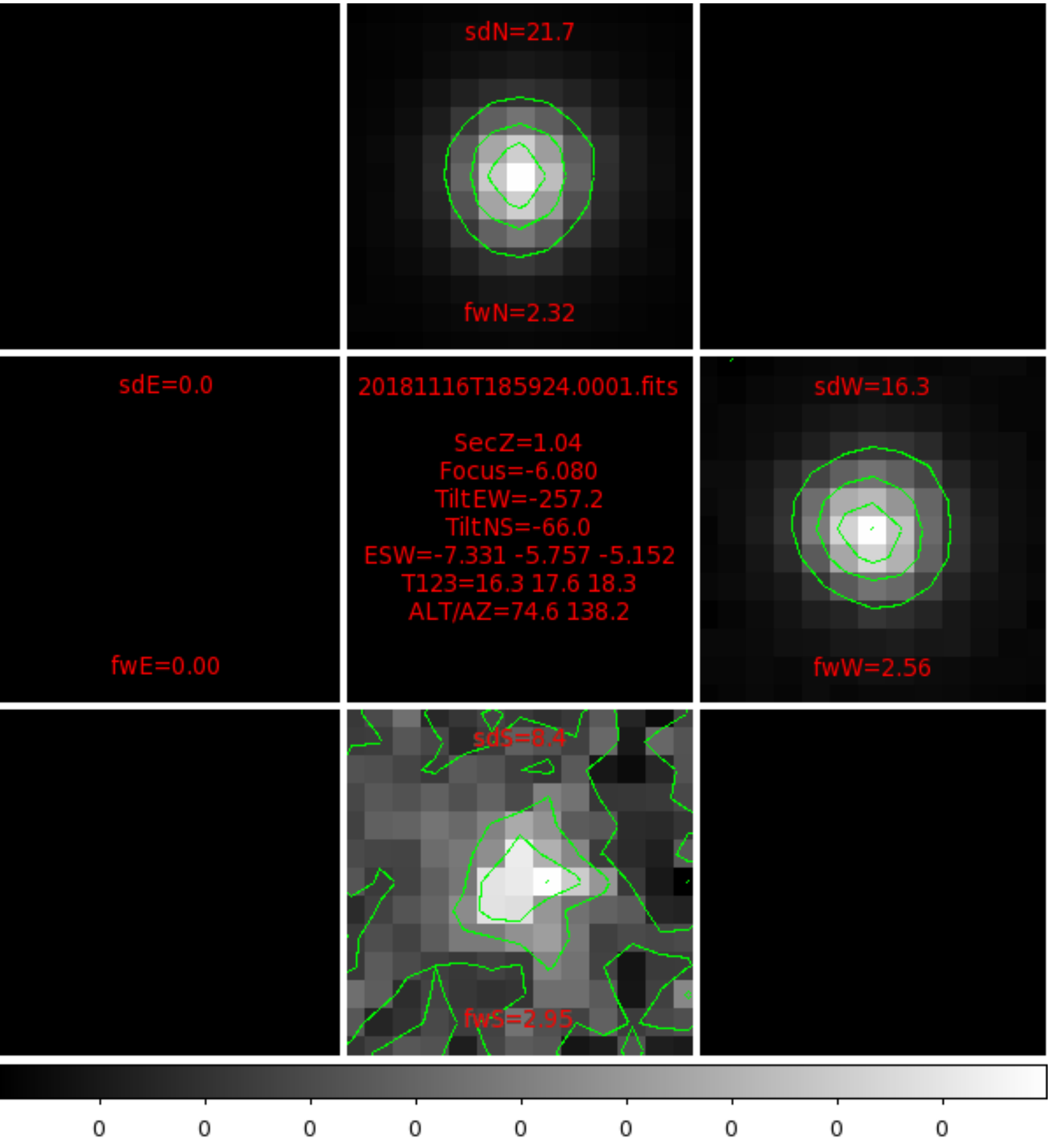

sdN=33.3
fwN=2.30
sdE=10.4
fwE=1.50
20181116T185332.0001.fits
SecZ=1.14
Focus=-6.100
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.351 -5.777 -5.172
T123=16.3 17.8 18.4
ALT/AZ=61.4 -40.6
fwAVG=2.12
sdW=515.8
fwW=2.34
sdS=133.5
fwS=2.18
0 0 0 0 0 0 0 0 0

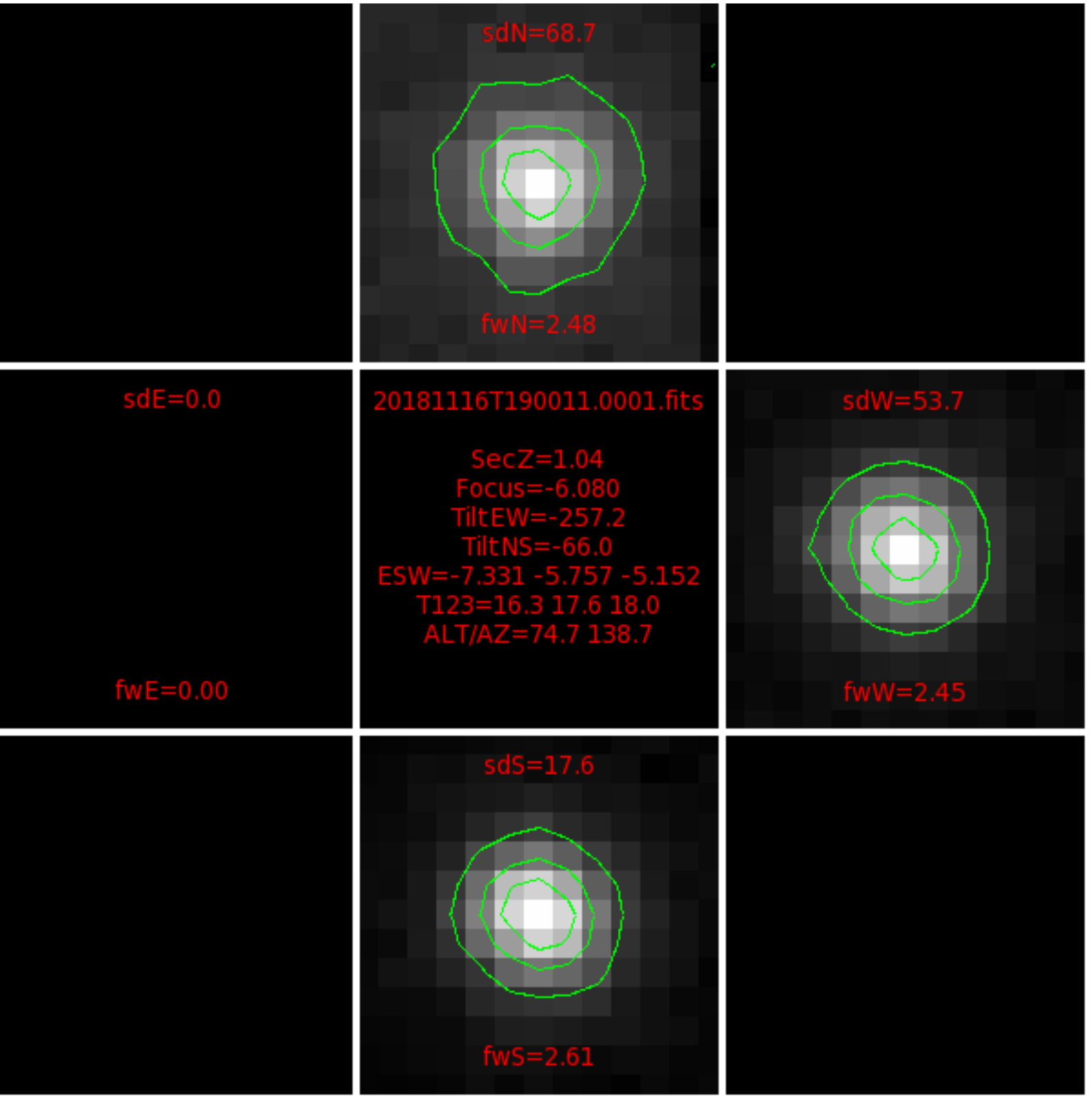

sdN=44.6
fwN=2.59
sdE=5.0
fwE=1.32
20181116T185454.0001.fits
SecZ=1.14
Focus=-6.100
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.351 -5.777 -5.172
T123=16.3 17.7 18.3
ALT/AZ=61.2 -40.8
fwAVG=2.28
sdW=303.0
fwW=2.60
sdS=56.9
fwS=2.57
0 0 0 0 0 0 0 0 0

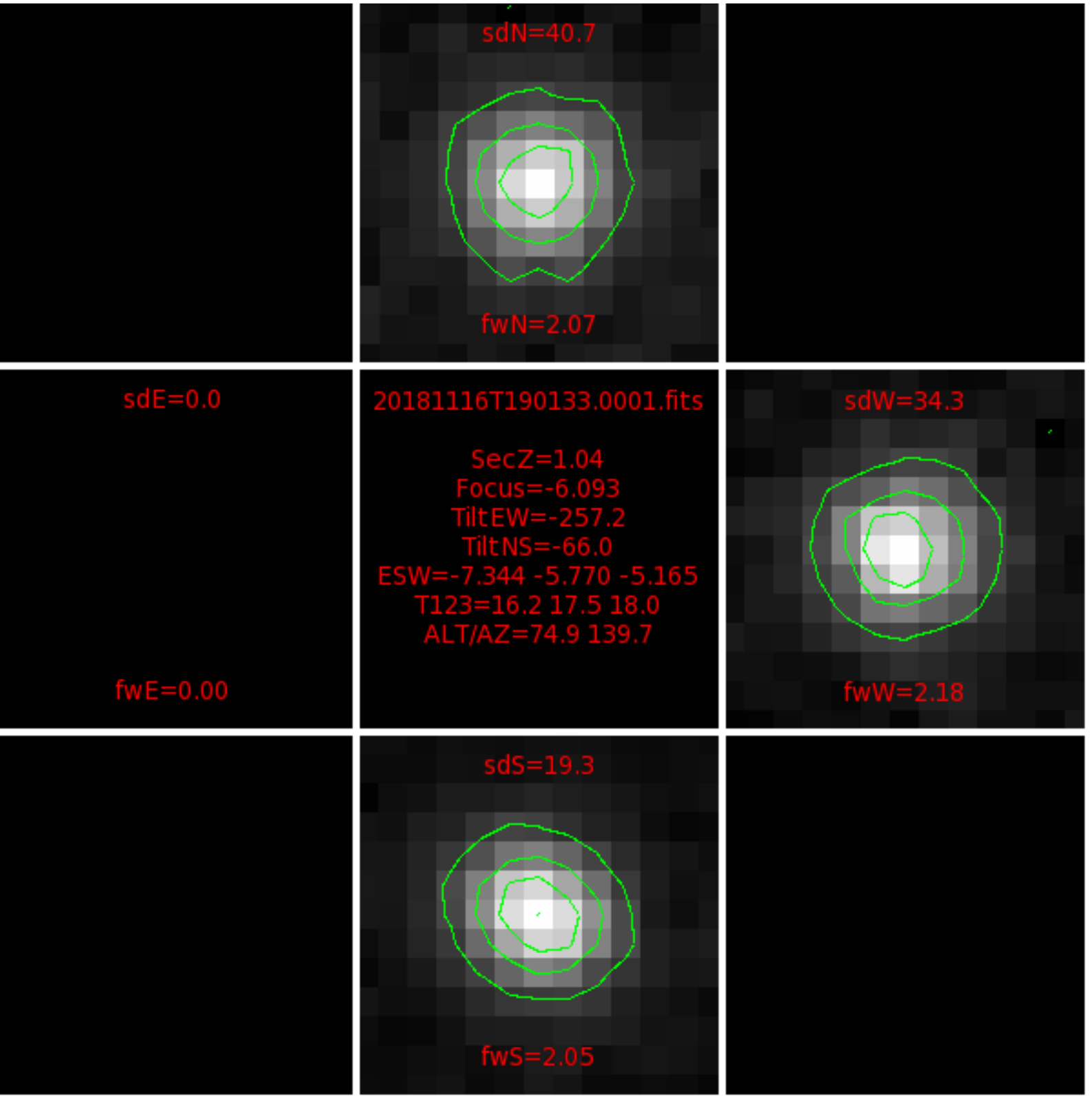

sdN=143.9
fwN=2.66
sdE=17.6
fwE=1.26
20181116T185541.0001.fits
SecZ=1.14
Focus=-6.100
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.351 -5.777 -5.172
T123=16.3 17.6 18.3
ALT/AZ=61.1 -40.9
fwAVG=2.36
sdW=655.8
fwW=2.75
sdS=195.4
fwS=2.71
0 0 0 0 0 0 0 0 0

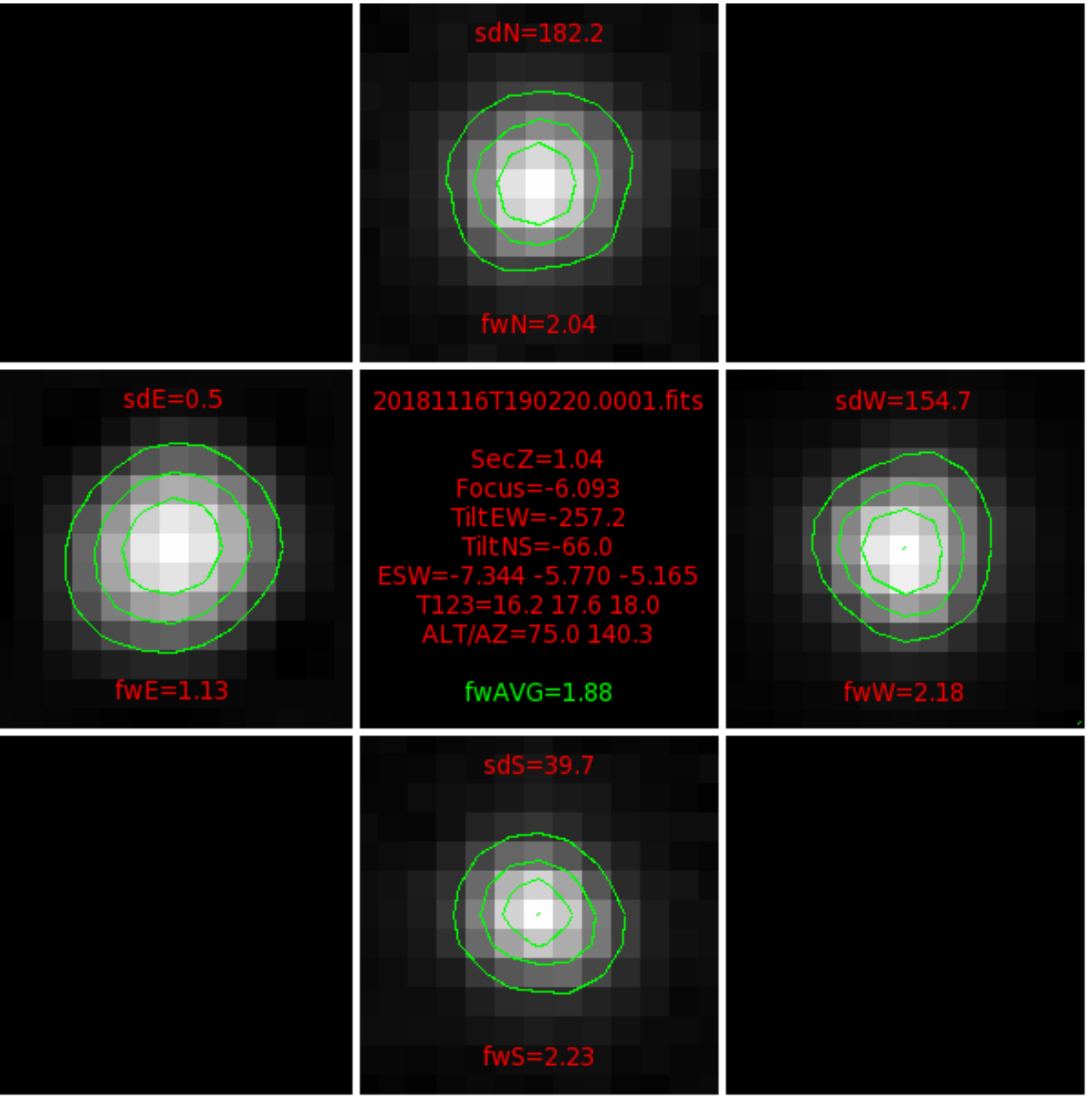

sdN=9.4
fwN=2.14
sdE=0.0
fwE=0.00
20181116T185715.0001.fits
SecZ=1.04
Focus=-6.093
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.344 -5.770 -5.165
T123=16.2 17.6 18.1
ALT/AZ=74.3 136.7
sdW=78.4
fwW=2.61
sdS=11.4
fwS=2.02
0 0 0 0 0 0 0 0 0

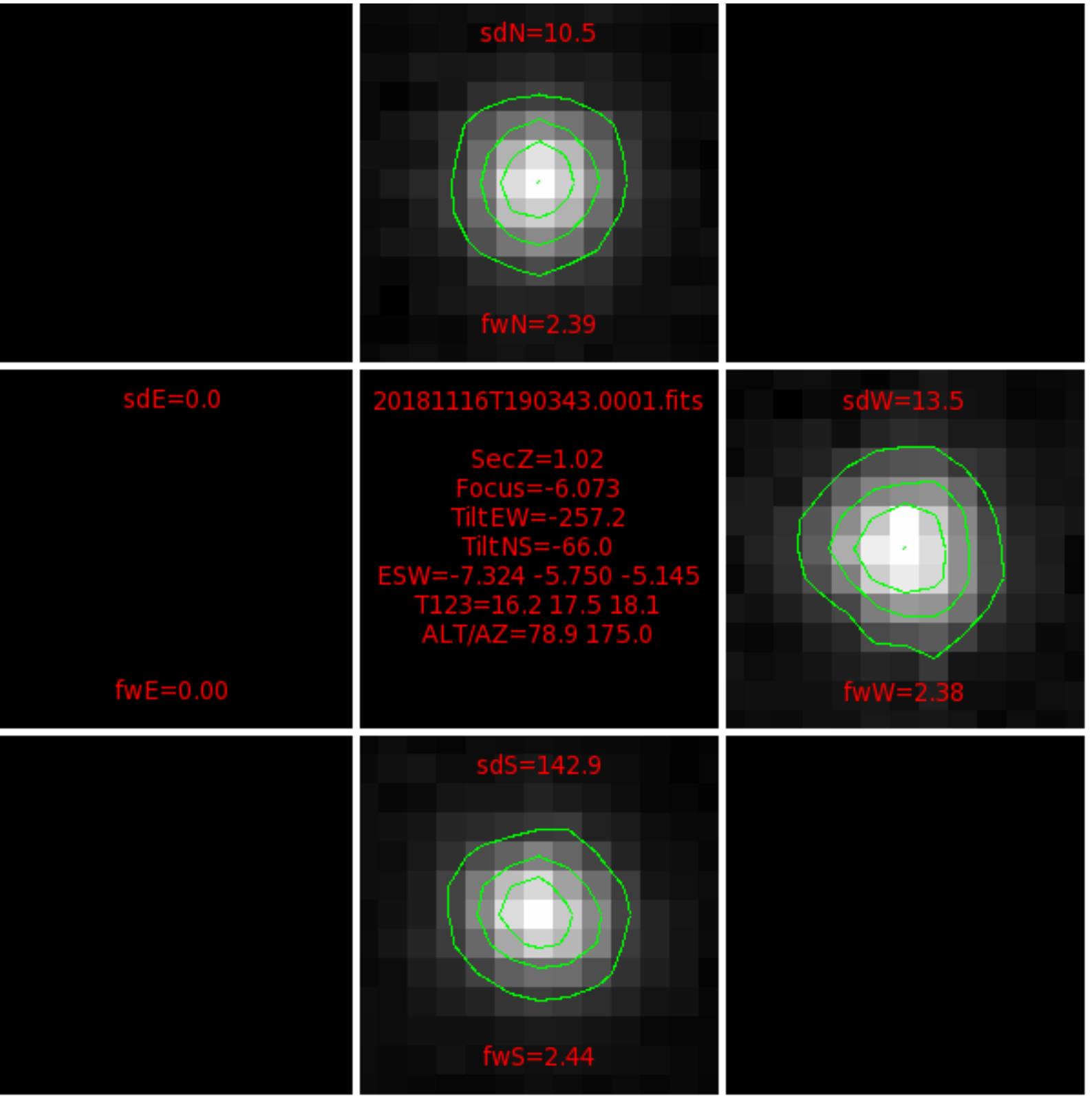

sdN=24.0
fwN=2.93
sdE=0.0
fwE=0.00
20181116T185802.0001.fits
SecZ=1.04
Focus=-6.093
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.344 -5.770 -5.165
T123=16.3 17.6 18.3
ALT/AZ=74.4 137.2
sdW=23.6
fwW=2.78
sdS=17.5
fwS=0.00
0 0 0 0 0 0 0 0 0

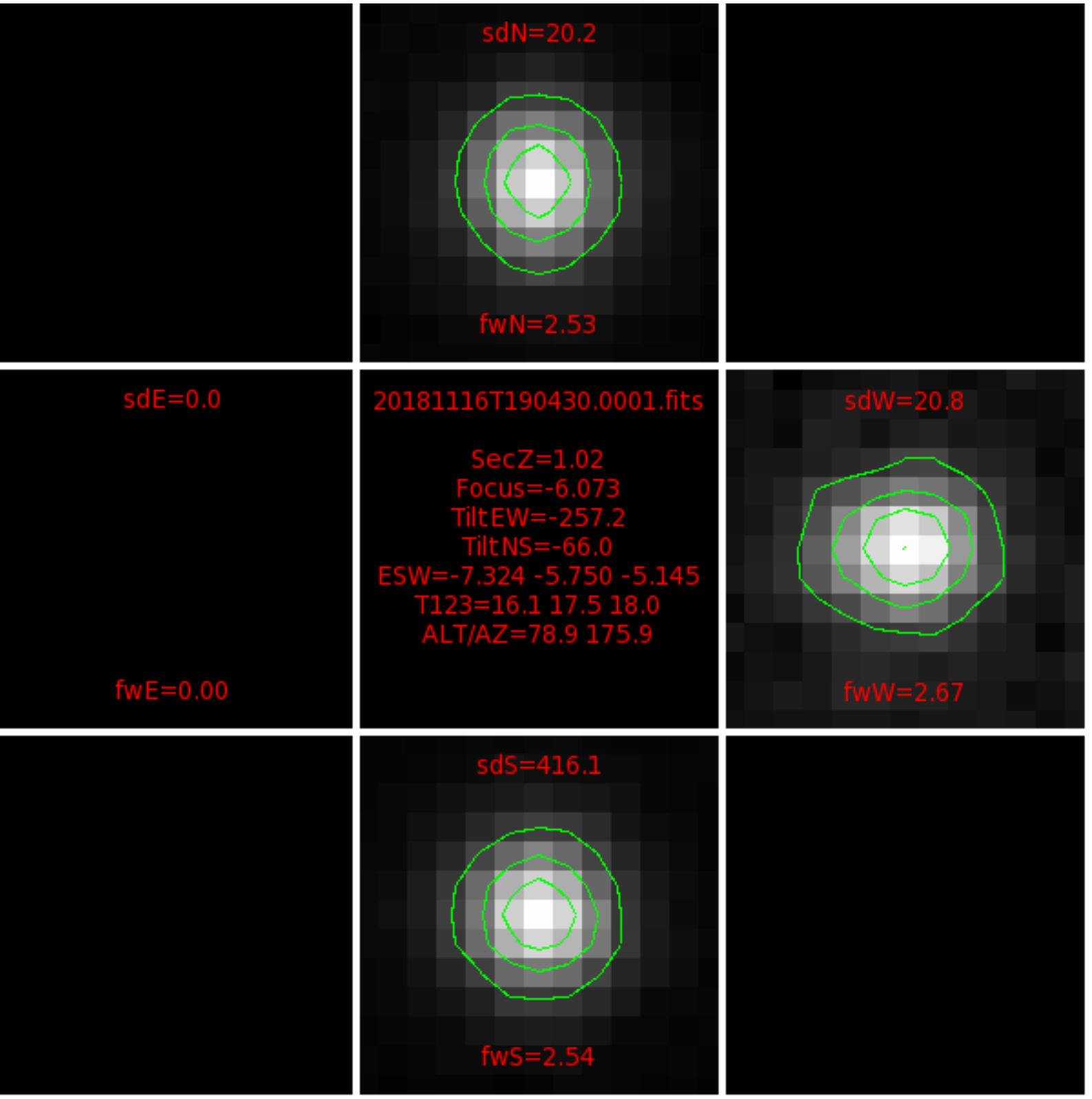

sdN=21.7
fwN=2.32
sdE=0.0
fwE=0.00
20181116T185924.0001.fits
SecZ=1.04
Focus=-6.080
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.331 -5.757 -5.152
T123=16.3 17.6 18.3
ALT/AZ=74.6 138.2
sdW=16.3
fwW=2.56
sdS=8.4
fwS=2.95
0 0 0 0 0 0 0 0 0

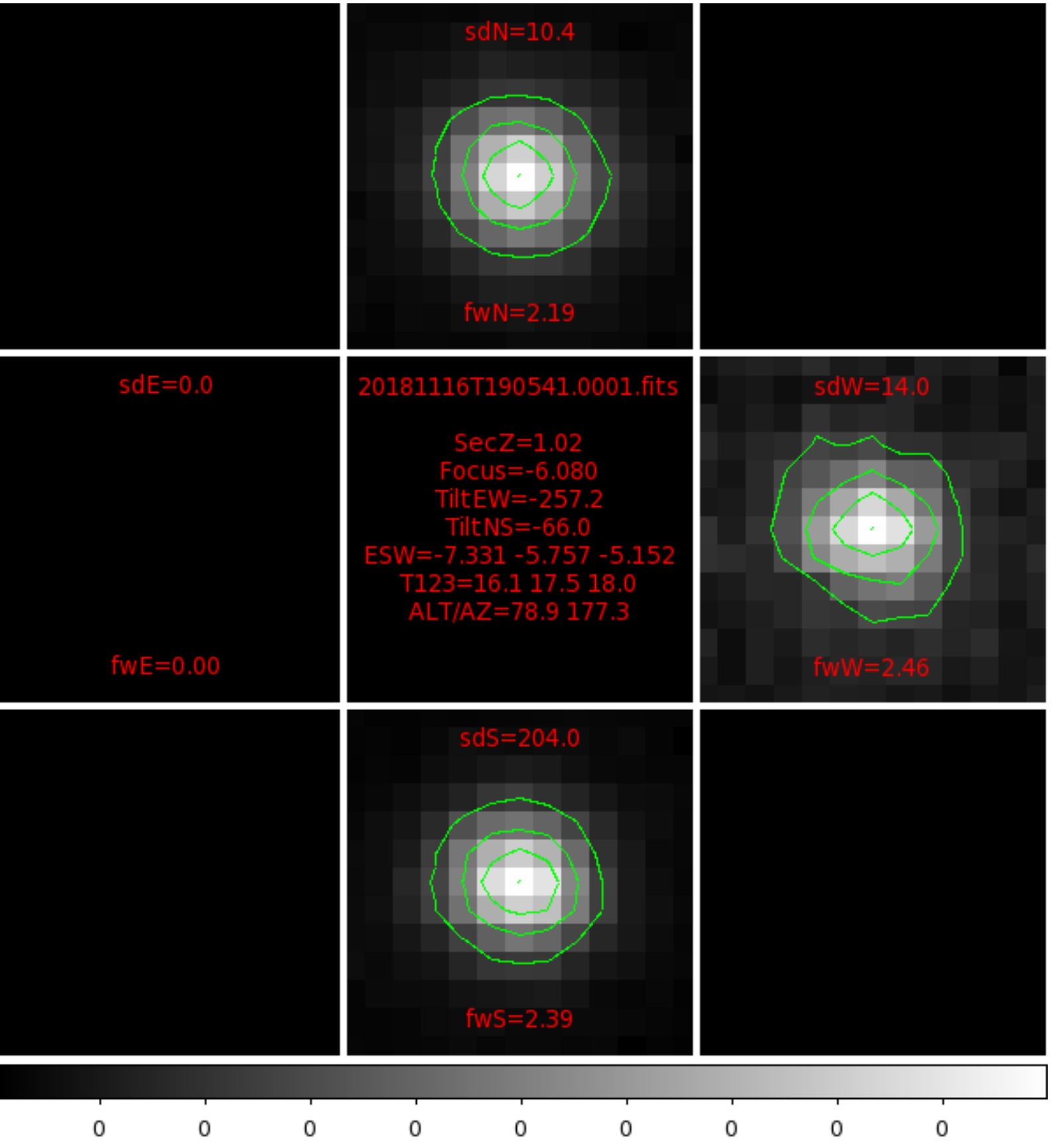

sdN=68.7
fwN=2.48
sdE=0.0
fwE=0.00
20181116T190011.0001.fits
SecZ=1.04
Focus=-6.080
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.331 -5.757 -5.152
T123=16.3 17.6 18.0
ALT/AZ=74.7 138.7
sdW=53.7
fwW=2.45
sdS=17.6
fwS=2.61
0 0 0 0 0 0 0 0 0

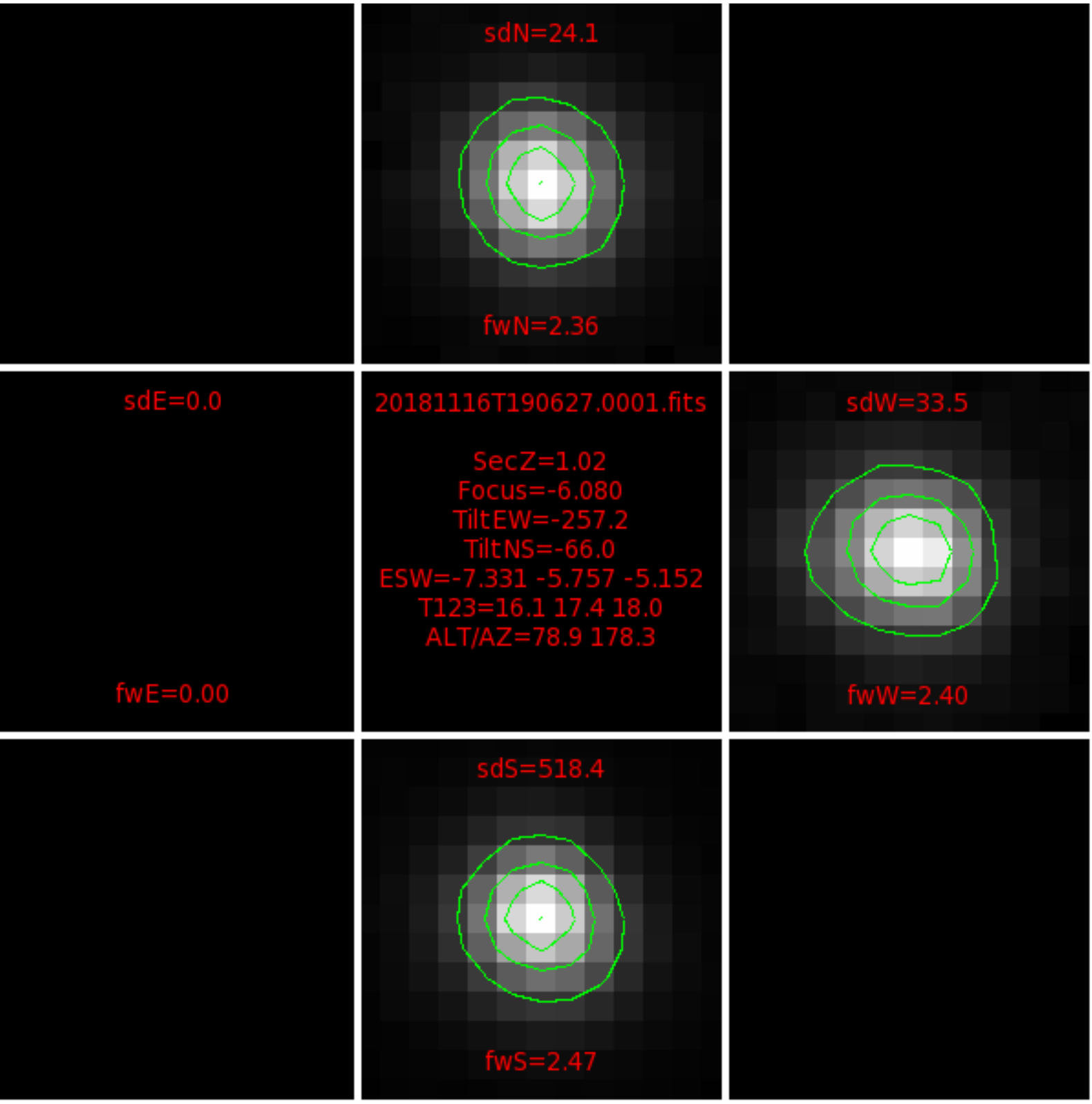

sdN=40.7
fwN=2.07
sdE=0.0
fwE=0.00
20181116T190133.0001.fits
SecZ=1.04
Focus=-6.093
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.344 -5.770 -5.165
T123=16.2 17.5 18.0
ALT/AZ=74.9 139.7
sdW=34.3
fwW=2.18
sdS=19.3
fwS=2.05
0 0 0 0 0 0 0 0 0

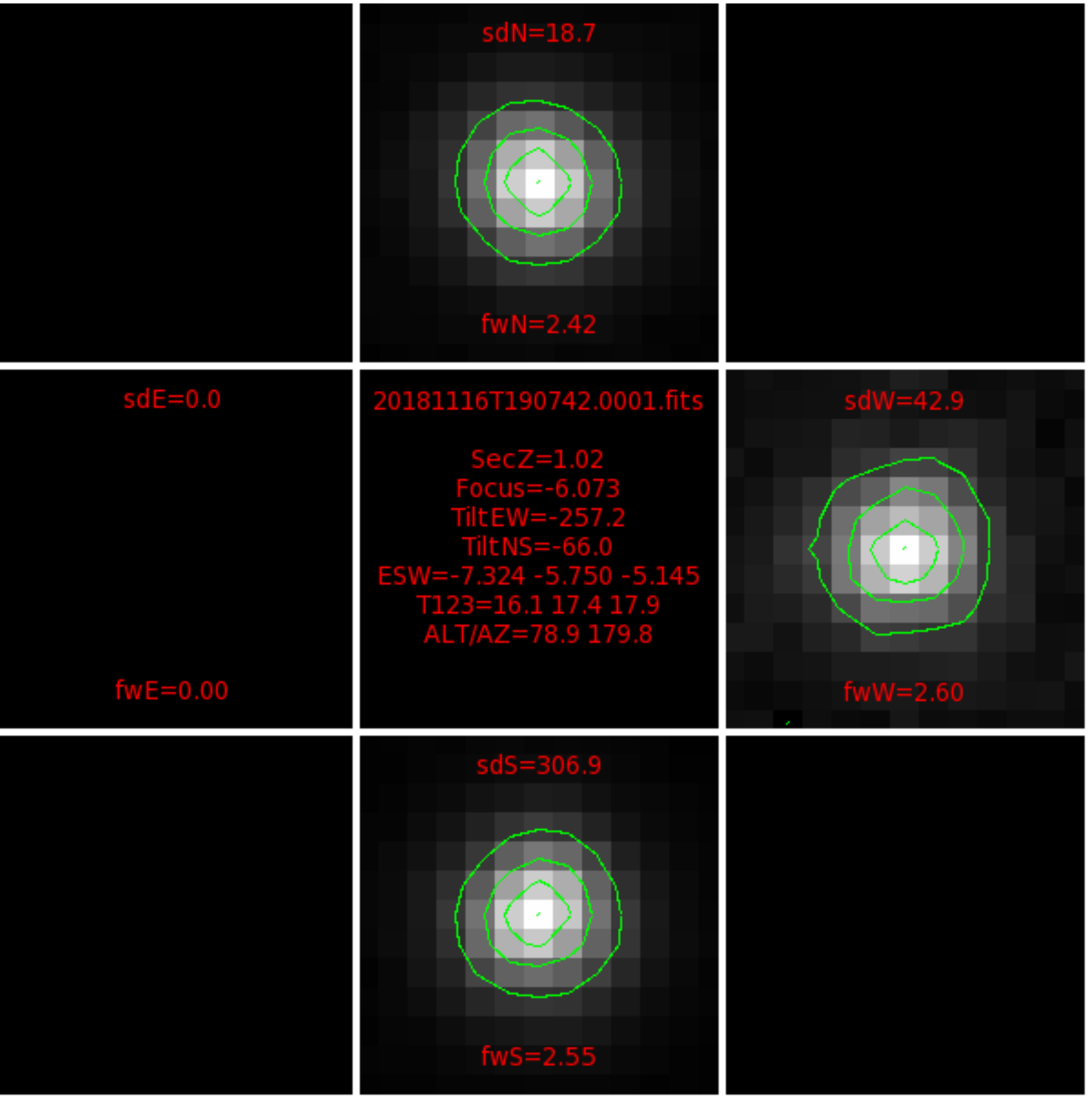

sdN=182.2
fwN=2.04
sdE=0.5
fwE=1.13
20181116T190220.0001.fits
SecZ=1.04
Focus=-6.093
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.344 -5.770 -5.165
T123=16.2 17.6 18.0
ALT/AZ=75.0 140.3
fwAVG=1.88
sdW=154.7
fwW=2.18
sdS=39.7
fwS=2.23
0 0 0 0 0 0 0 0 0

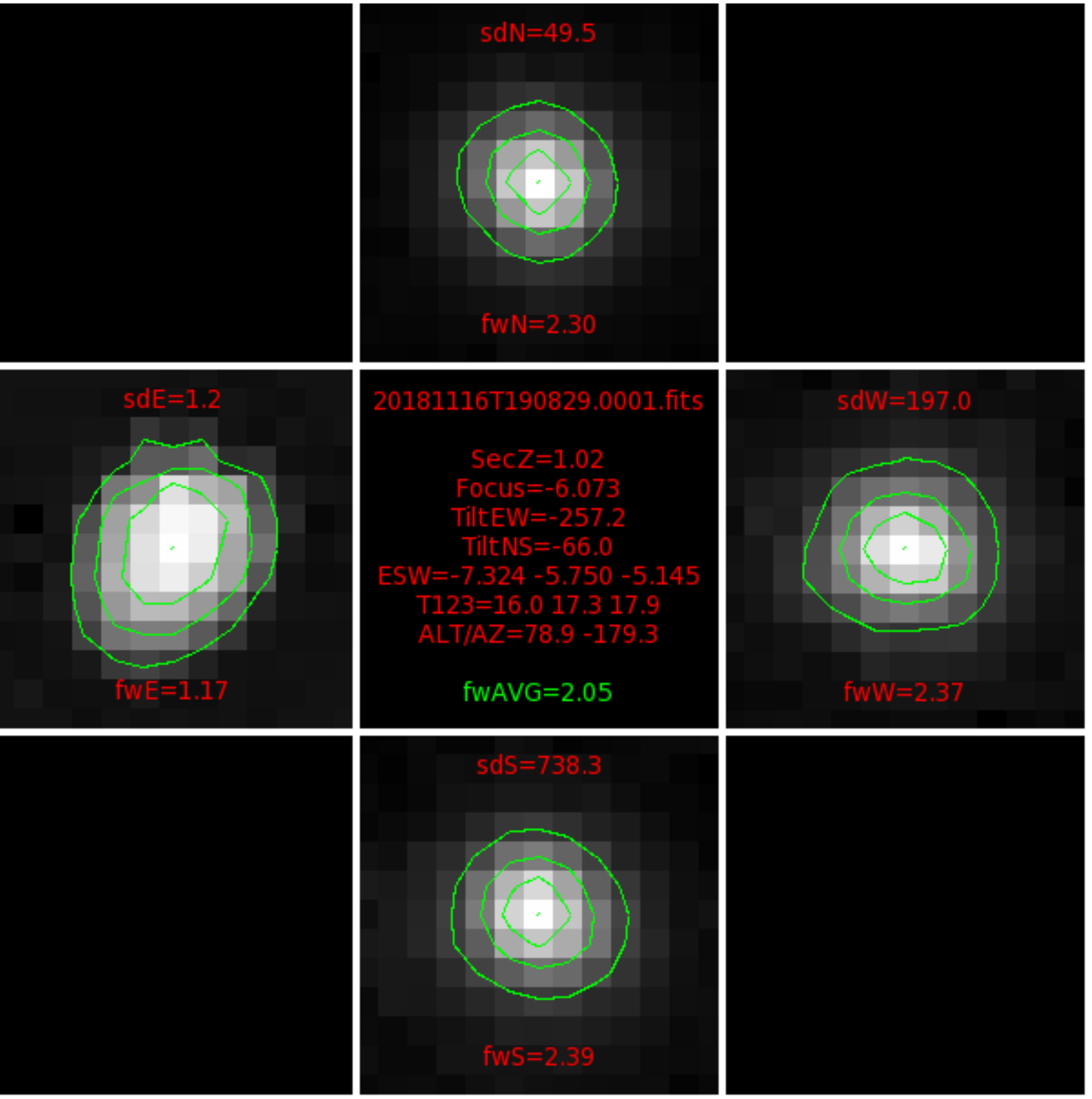

sdN=10.5
fwN=2.39
sdE=0.0
fwE=0.00
20181116T190343.0001.fits
SecZ=1.02
Focus=-6.073
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.324 -5.750 -5.145
T123=16.2 17.5 18.1
ALT/AZ=78.9 175.0
sdW=13.5
fwW=2.38
sdS=142.9
fwS=2.44
0 0 0 0 0 0 0 0 0

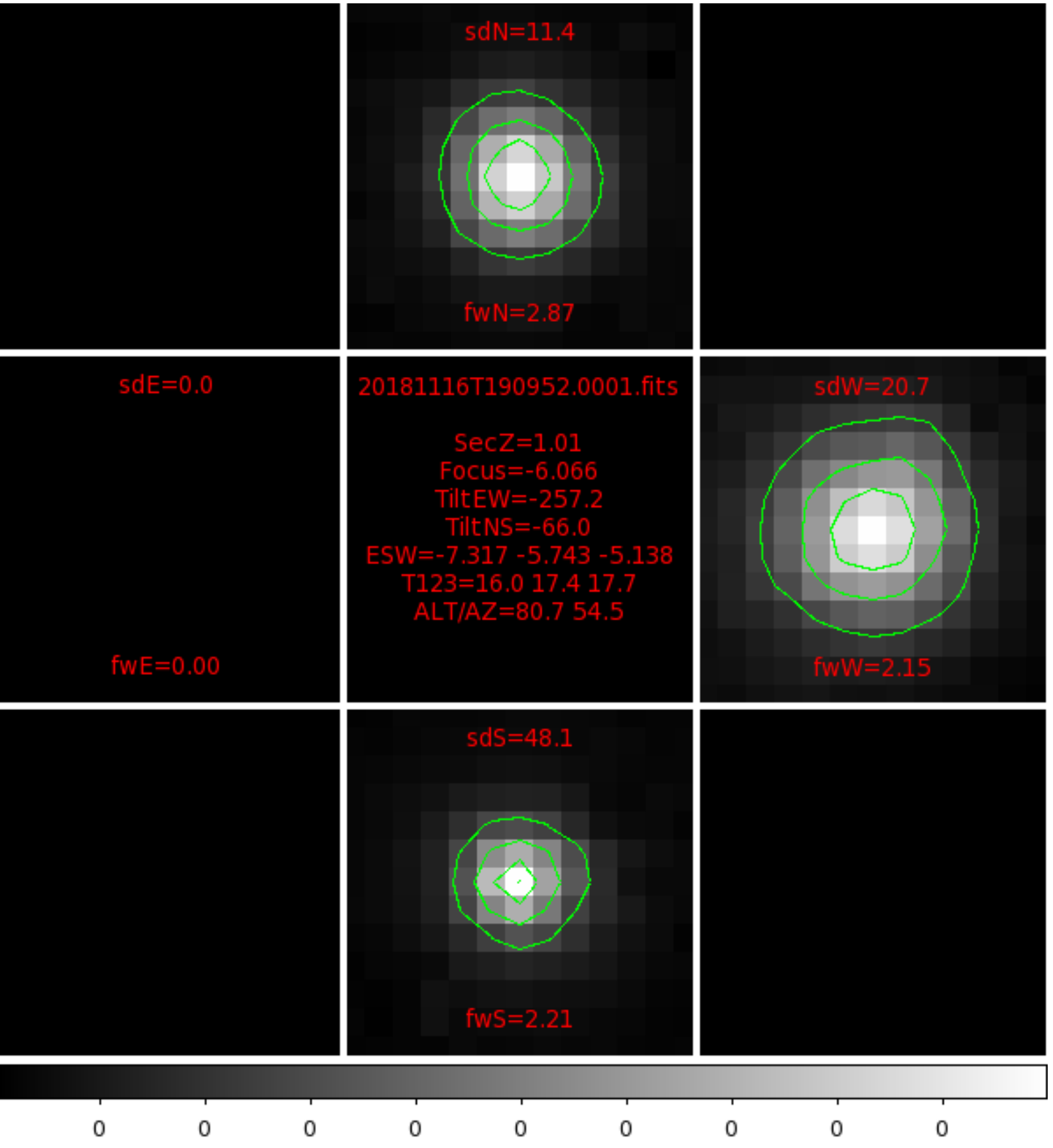

sdN=20.2
fwN=2.53
sdE=0.0
fwE=0.00
20181116T190430.0001.fits
SecZ=1.02
Focus=-6.073
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.324 -5.750 -5.145
T123=16.1 17.5 18.0
ALT/AZ=78.9 175.9
sdW=20.8
fwW=2.67
sdS=416.1
fwS=2.54
0 0 0 0 0 0 0 0 0

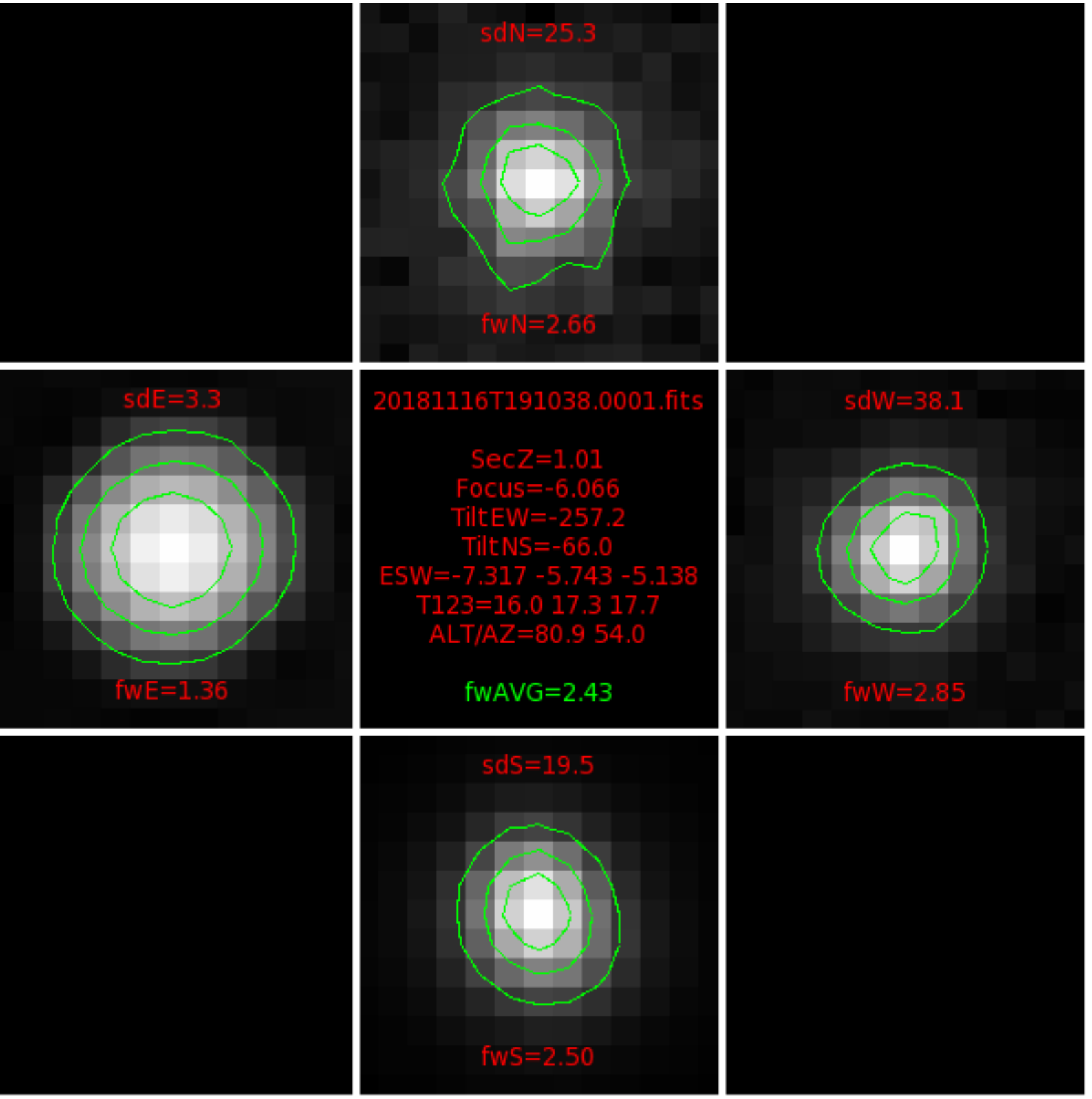

sdN=10.4
fwN=2.19
sdE=0.0
fwE=0.00
20181116T190541.0001.fits
SecZ=1.02
Focus=-6.080
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.331 -5.757 -5.152
T123=16.1 17.5 18.0
ALT/AZ=78.9 177.3
sdW=14.0
fwW=2.46
sdS=204.0
fwS=2.39
0 0 0 0 0 0 0 0 0

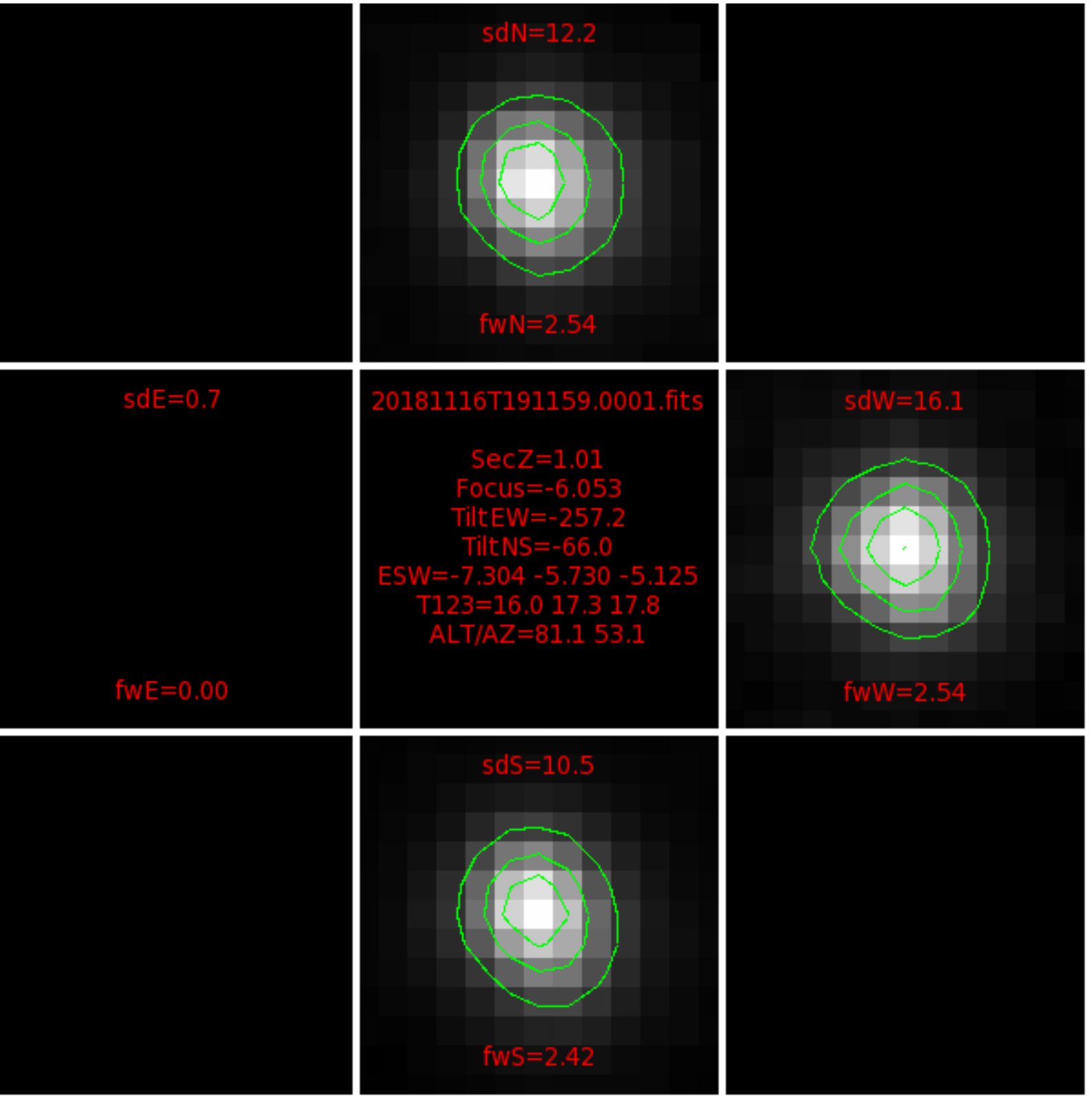

sdN=24.1
fwN=2.36
sdE=0.0
fwE=0.00
20181116T190627.0001.fits
SecZ=1.02
Focus=-6.080
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.331 -5.757 -5.152
T123=16.1 17.4 18.0
ALT/AZ=78.9 178.3
sdW=33.5
fwW=2.40
sdS=518.4
fwS=2.47
0 0 0 0 0 0 0 0 0

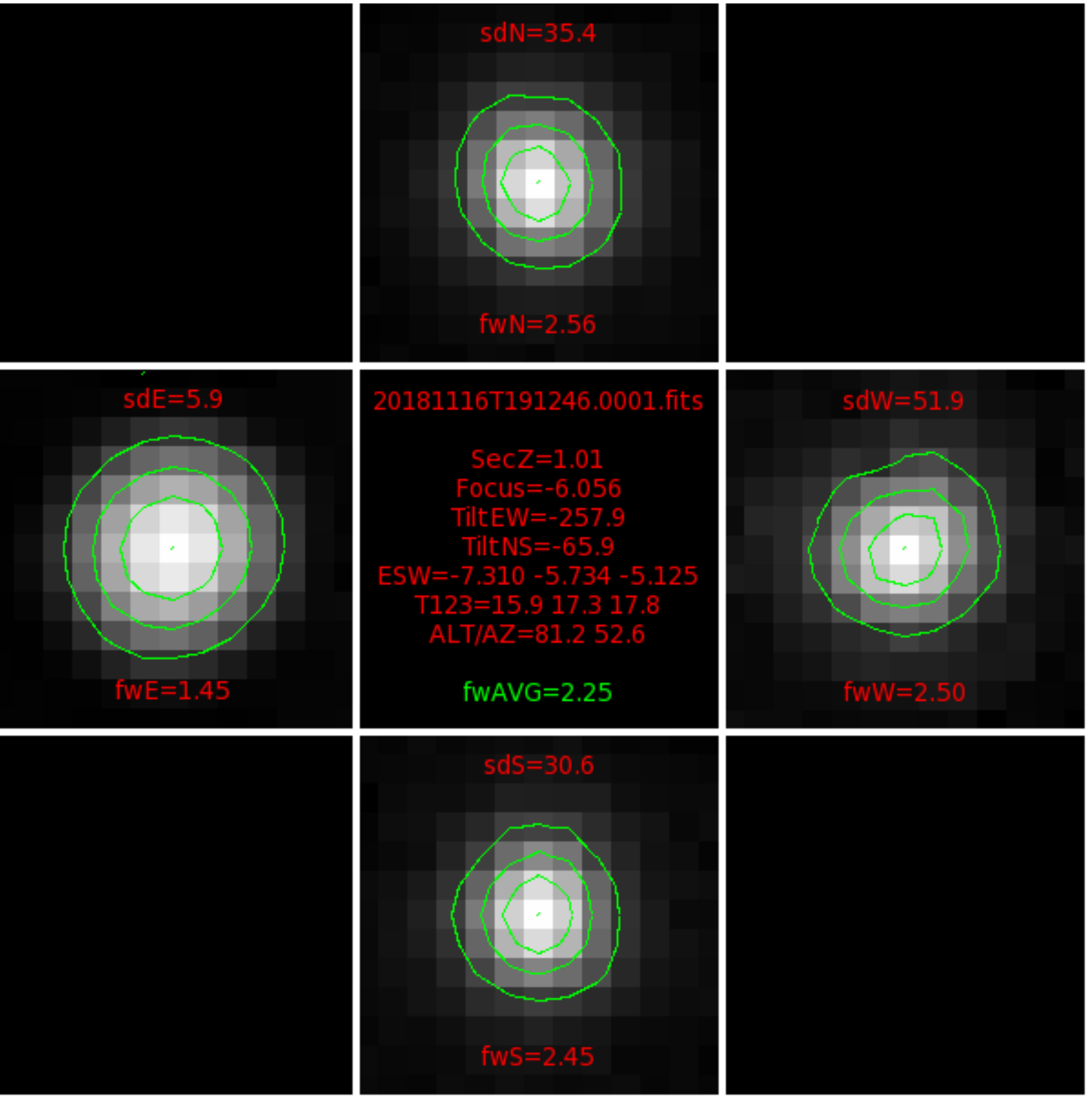

sdN=18.7
fwN=2.42
sdE=0.0
fwE=0.00
20181116T190742.0001.fits
SecZ=1.02
Focus=-6.073
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.324 -5.750 -5.145
T123=16.1 17.4 17.9
ALT/AZ=78.9 179.8
sdW=42.9
fwW=2.60
sdS=306.9
fwS=2.55
0 0 0 0 0 0 0 0 0

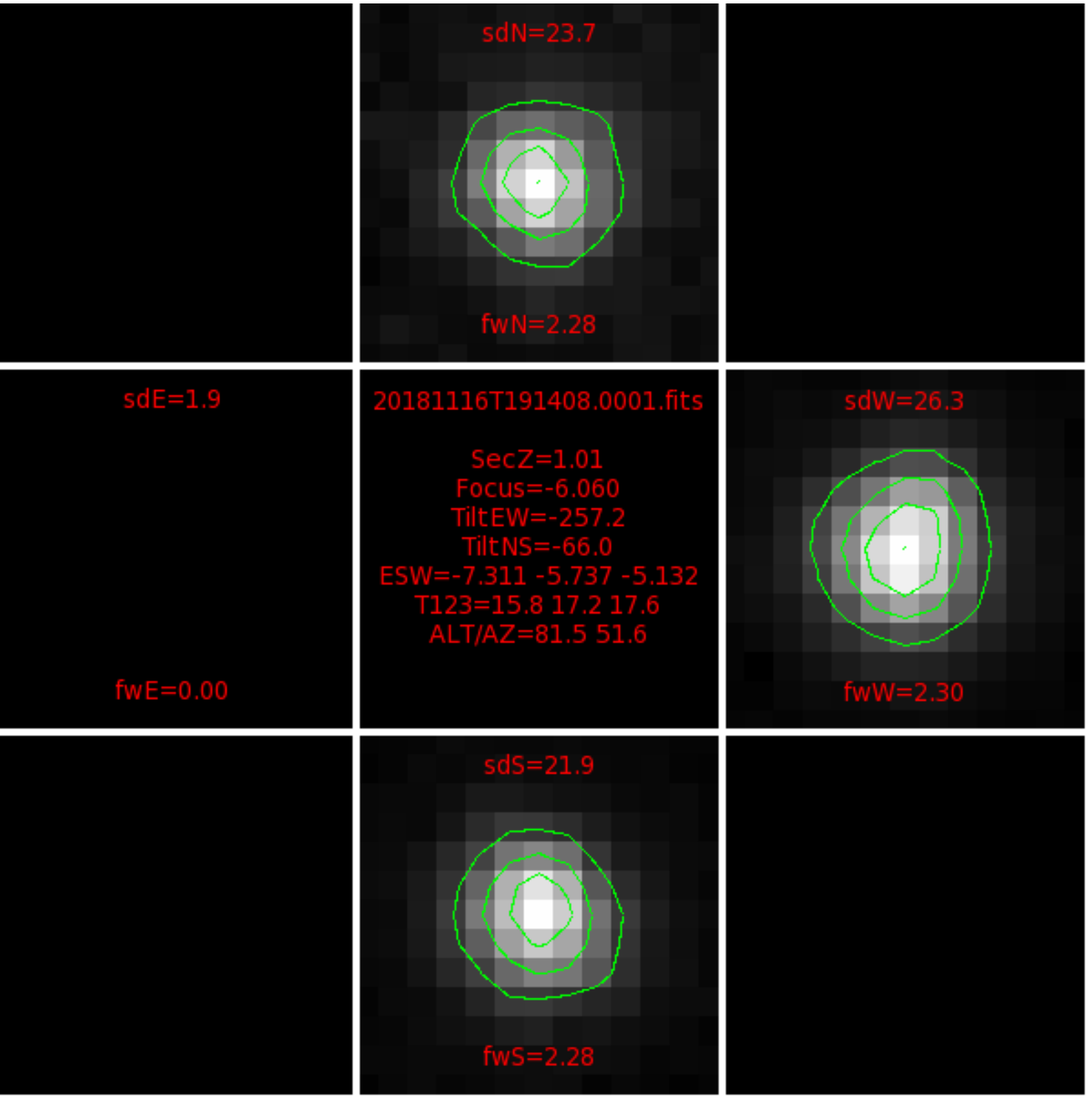

sdN=49.5
fwN=2.30
sdE=1.2
fwE=1.17
20181116T190829.0001.fits
SecZ=1.02
Focus=-6.073
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.324 -5.750 -5.145
T123=16.0 17.3 17.9
ALT/AZ=78.9 -179.3
fwAVG=2.05
sdW=197.0
fwW=2.37
sdS=738.3
fwS=2.39
0 0 0 0 0 0 0 0 0

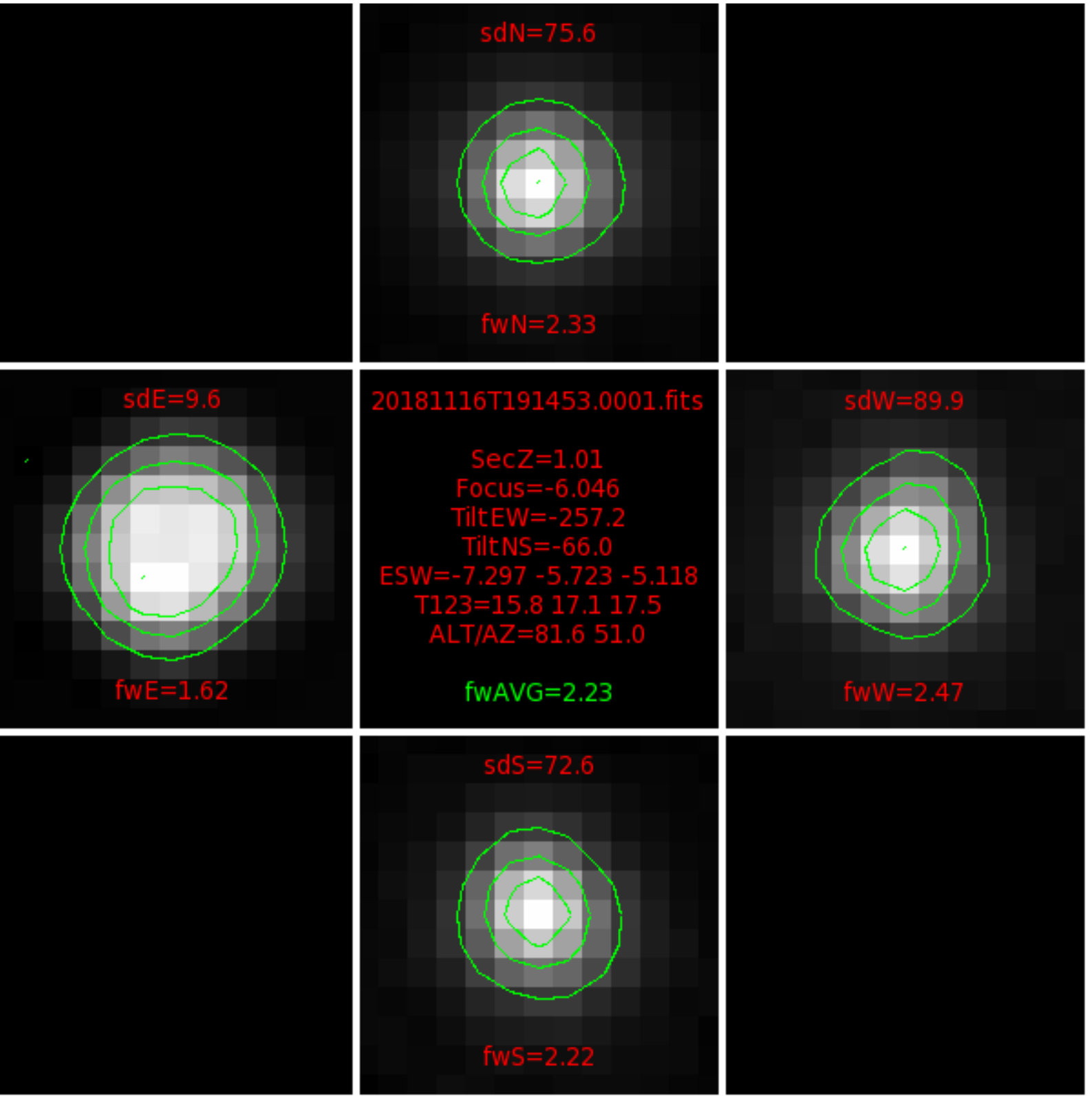

sdN=11.4
fwN=2.87
sdE=0.0
fwE=0.00
20181116T190952.0001.fits
SecZ=1.01
Focus=-6.066
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.317 -5.743 -5.138
T123=16.0 17.4 17.7
ALT/AZ=80.7 54.5
sdW=20.7
fwW=2.15
sdS=48.1
fwS=2.21
0 0 0 0 0 0 0 0 0

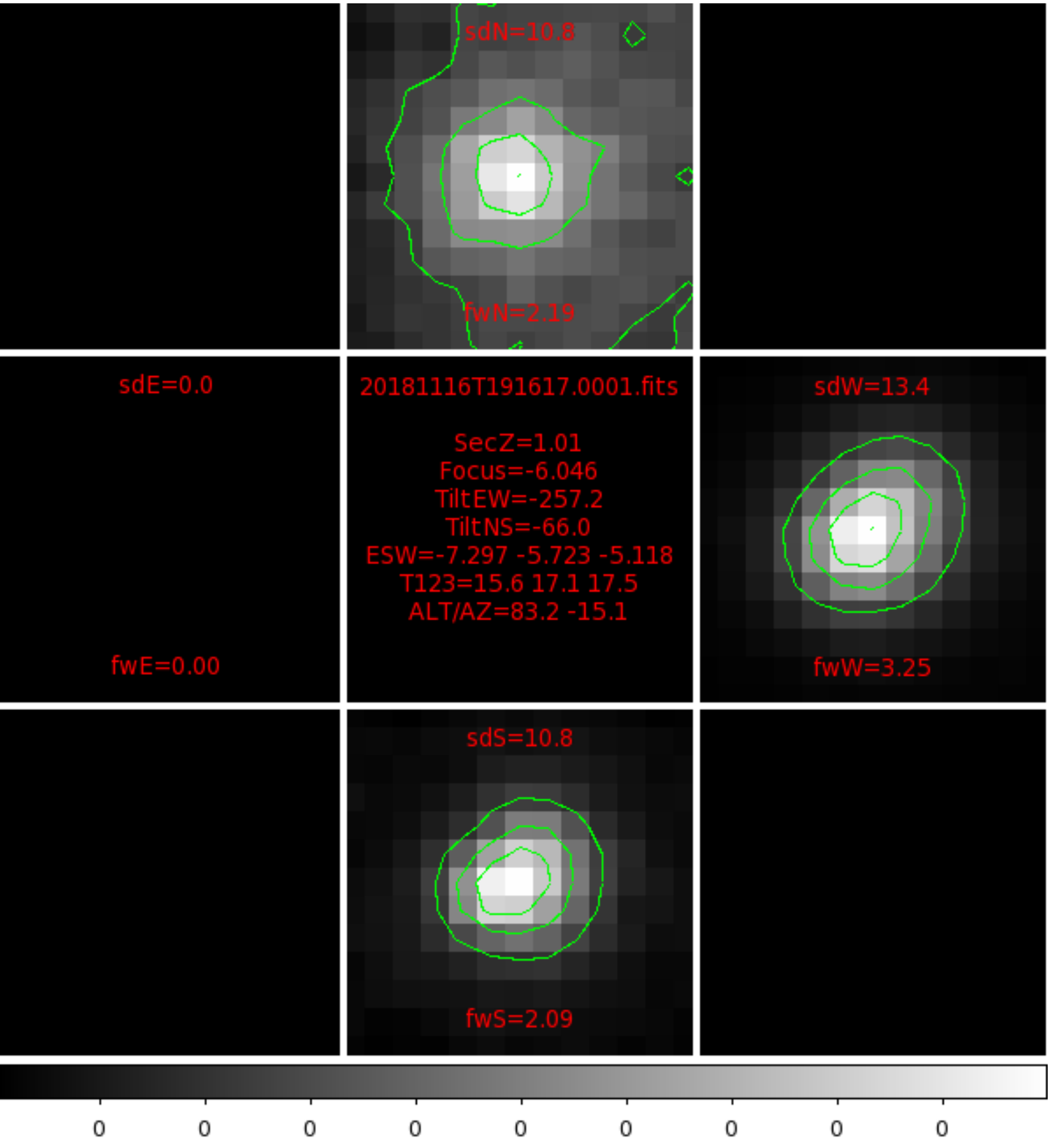

sdN=25.3
fwN=2.66
sdE=3.3
fwE=1.36
20181116T191038.0001.fits
SecZ=1.01
Focus=-6.066
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.317 -5.743 -5.138
T123=16.0 17.3 17.7
ALT/AZ=80.9 54.0
fwAVG=2.43
sdW=38.1
fwW=2.85
sdS=19.5
fwS=2.50
0 0 0 0 0 0 0 0 0

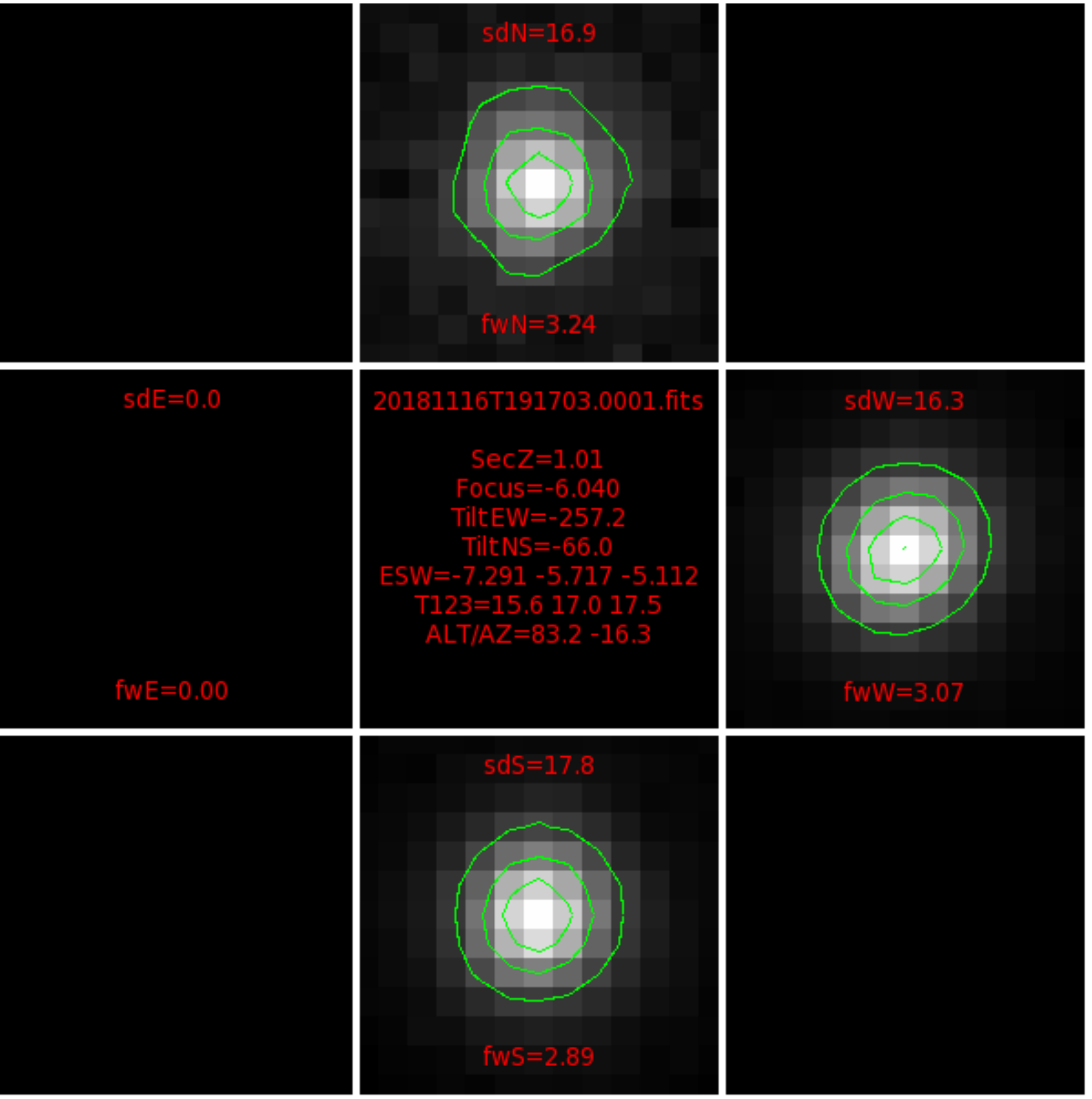

sdN=12.2
fwN=2.54
sdE=0.7
fwE=0.00
20181116T191159.0001.fits
SecZ=1.01
Focus=-6.053
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.304 -5.730 -5.125
T123=16.0 17.3 17.8
ALT/AZ=81.1 53.1
sdW=16.1
fwW=2.54
sdS=10.5
fwS=2.42
0 0 0 0 0 0 0 0 0

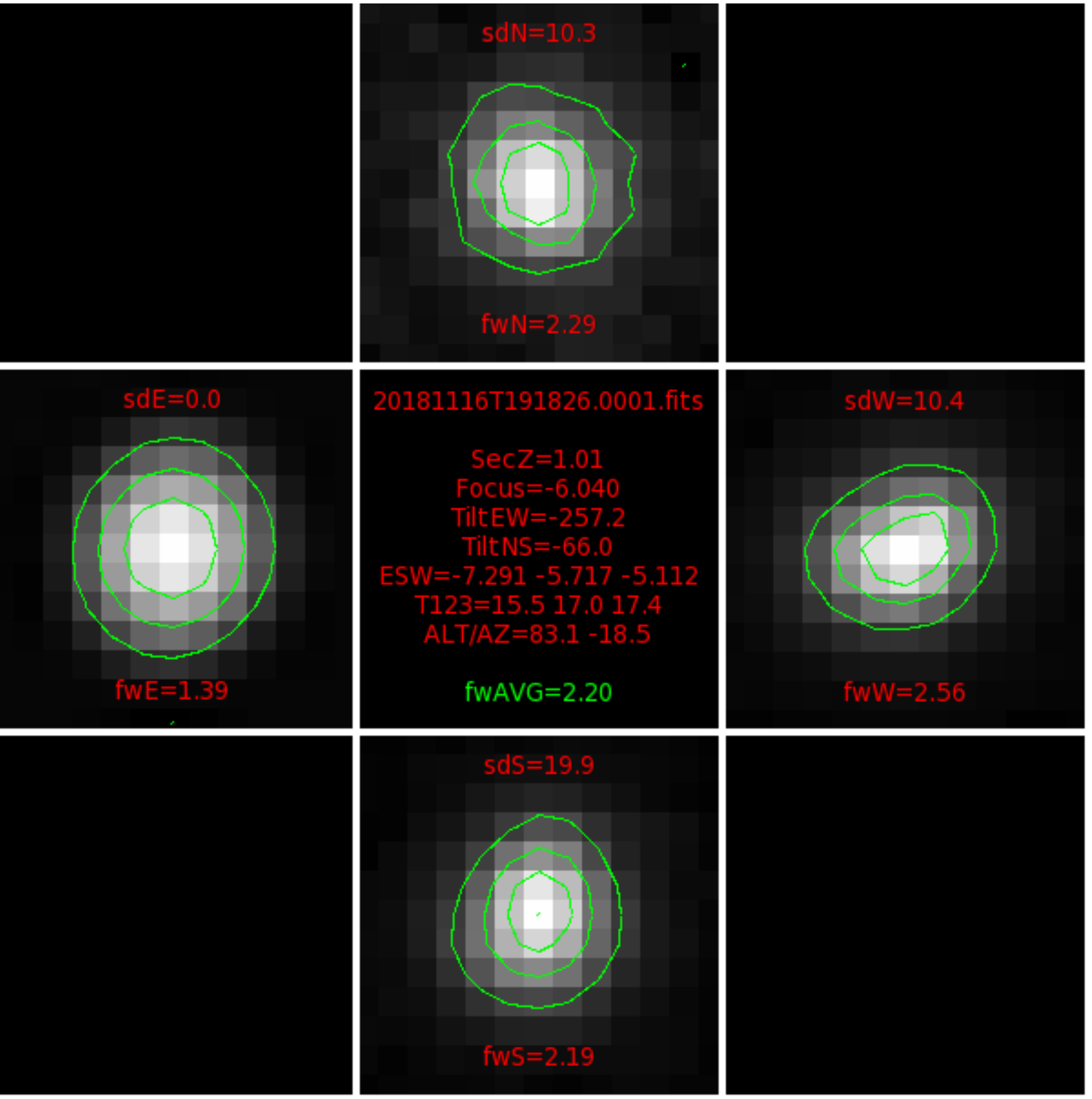

sdN=35.4
fwN=2.56
sdE=5.9
fwE=1.45
20181116T191246.0001.fits
SecZ=1.01
Focus=-6.056
TiltEW=-257.9
TiltNS=-65.9
ESW=-7.310 -5.734 -5.125
T123=15.9 17.3 17.8
ALT/AZ=81.2 52.6
fwAVG=2.25
sdW=51.9
fwW=2.50
sdS=30.6
fwS=2.45
0 0 0 0 0 0 0 0 0

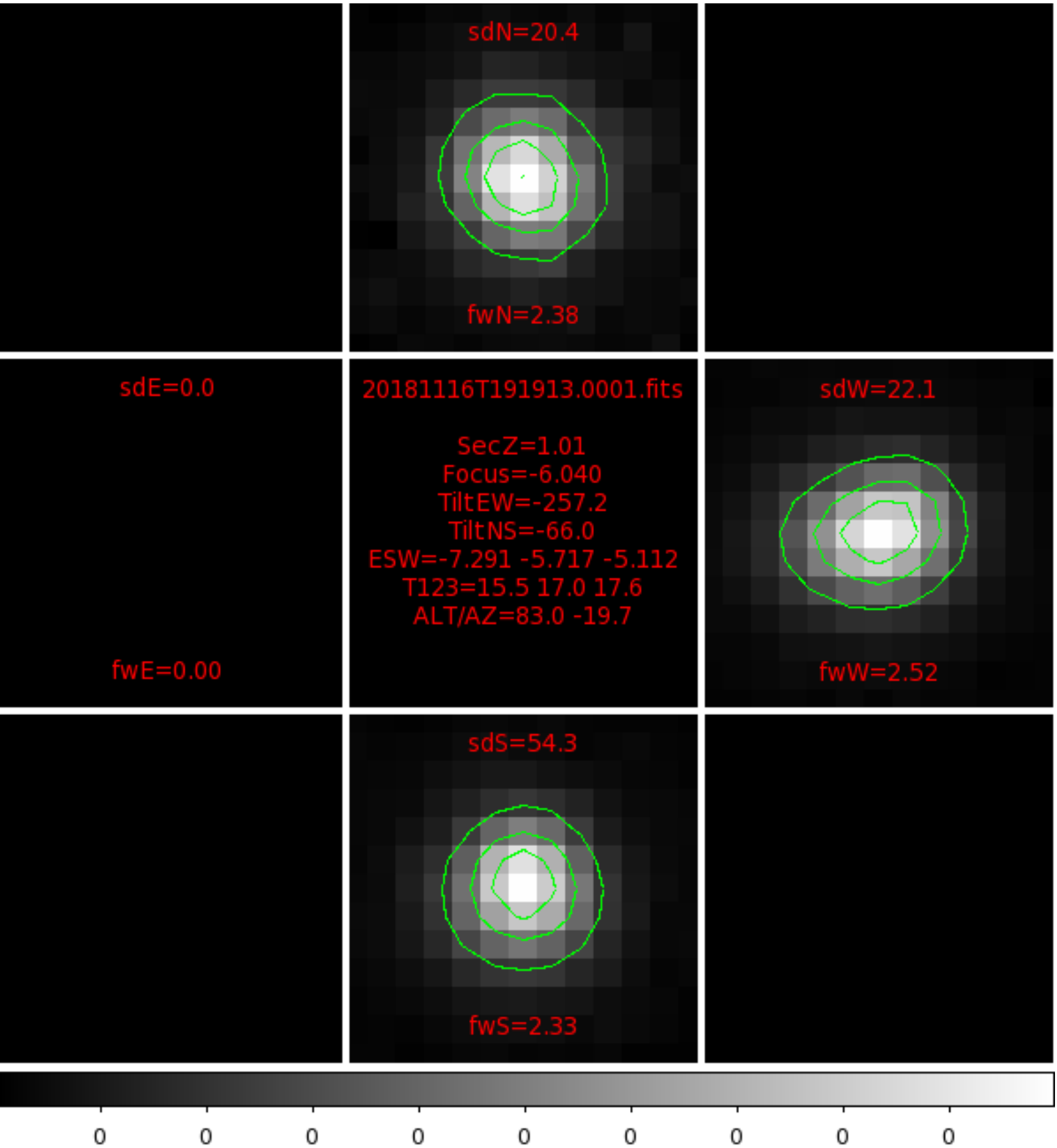

sdN=23.7
fwN=2.28
sdE=1.9
fwE=0.00
20181116T191408.0001.fits
SecZ=1.01
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=15.8 17.2 17.6
ALT/AZ=81.5 51.6
sdW=26.3
fwW=2.30
sdS=21.9
fwS=2.28
0 0 0 0 0 0 0 0 0

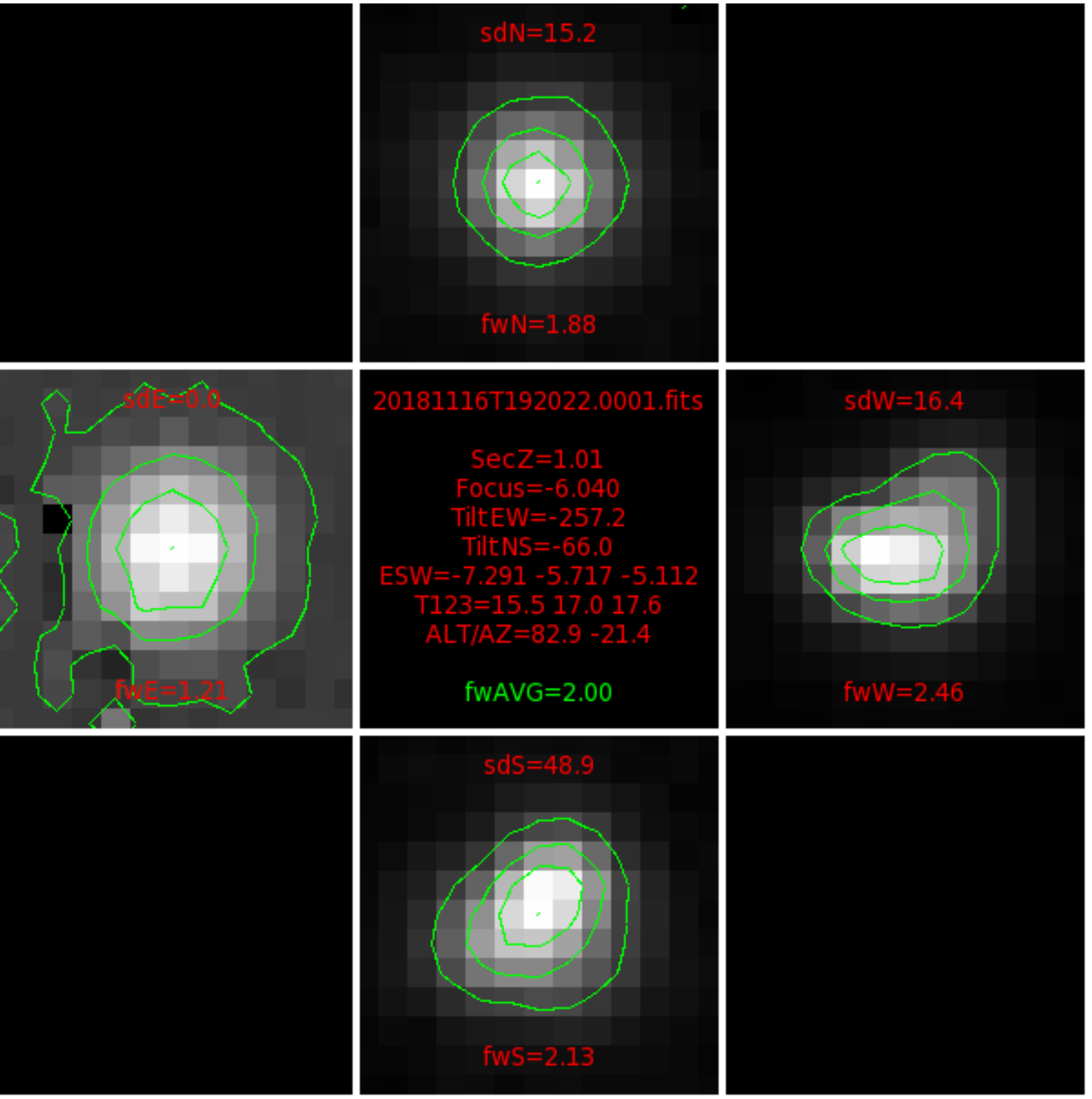

sdN=75.6
fwN=2.33
sdE=9.6
fwE=1.62
20181116T191453.0001.fits
SecZ=1.01
Focus=-6.046
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.297 -5.723 -5.118
T123=15.8 17.1 17.5
ALT/AZ=81.6 51.0
fwAVG=2.23
sdW=89.9
fwW=2.47
sdS=72.6
fwS=2.22
0 0 0 0 0 0 0 0 0

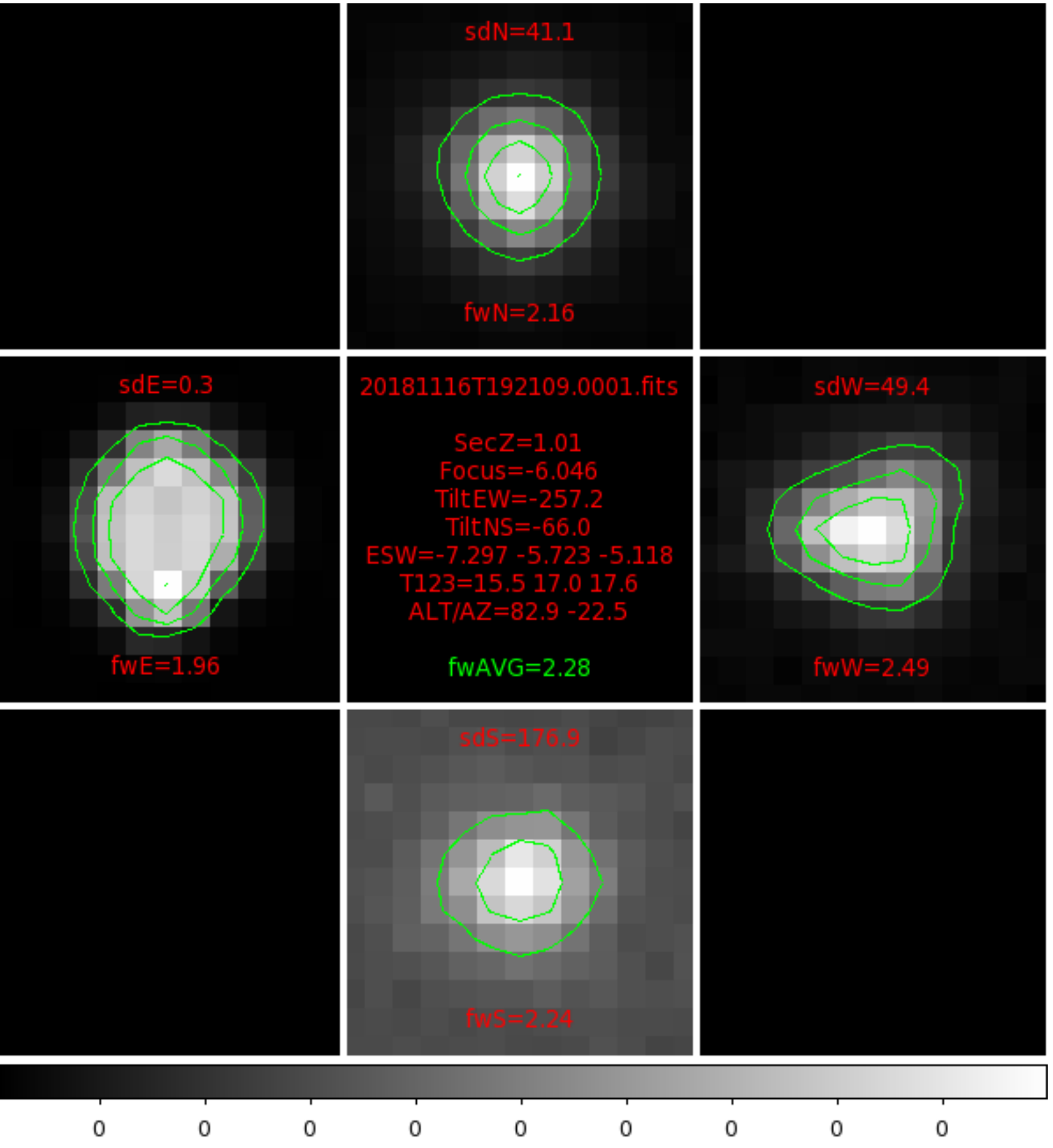

sdN=10.8
fwN=2.19
sdE=0.0
fwE=0.00
20181116T191617.0001.fits
SecZ=1.01
Focus=-6.046
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.297 -5.723 -5.118
T123=15.6 17.1 17.5
ALT/AZ=83.2 -15.1
sdW=13.4
fwW=3.25
sdS=10.8
fwS=2.09
0 0 0 0 0 0 0 0 0

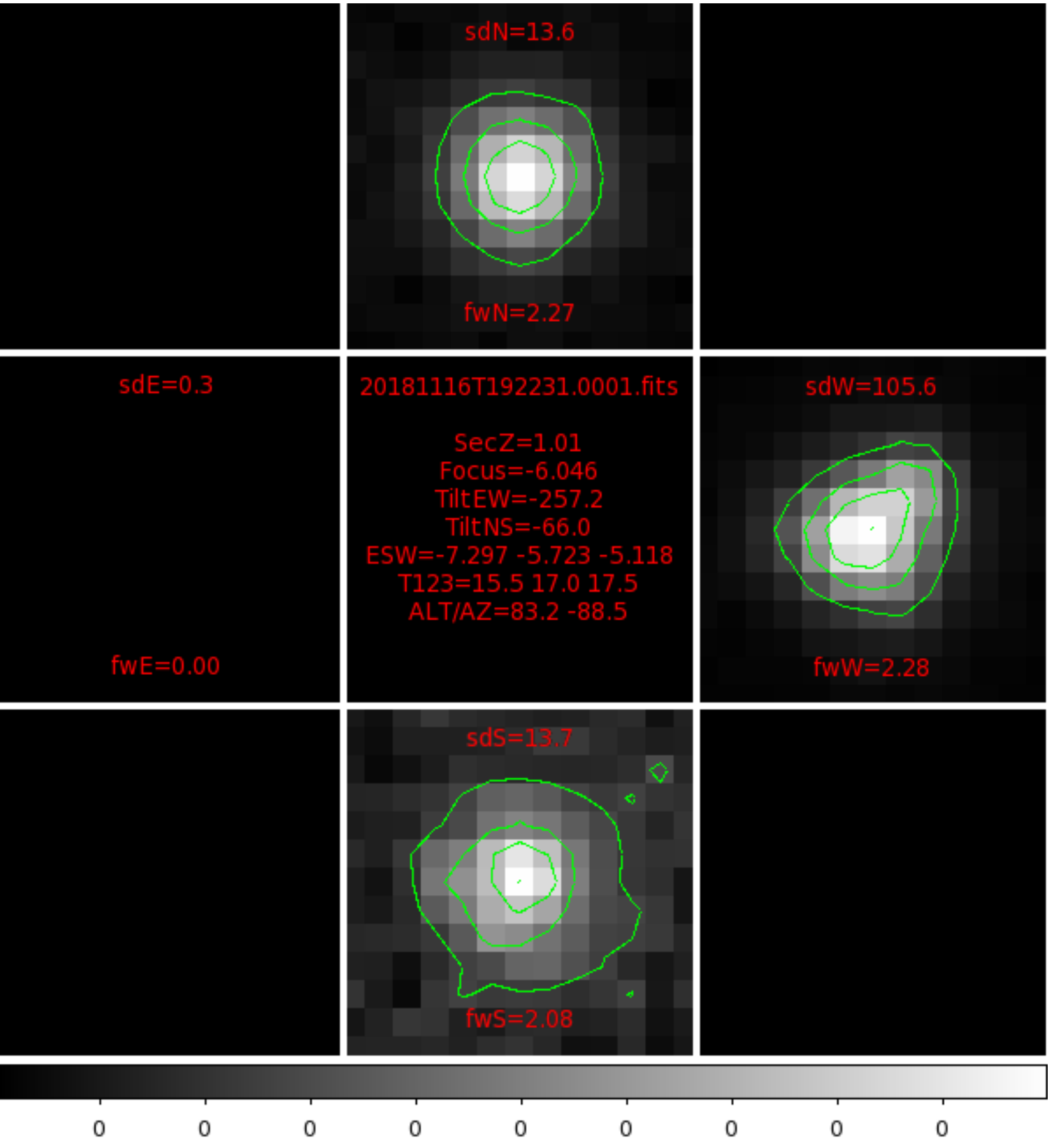

sdN=16.9
fwN=3.24
sdE=0.0
fwE=0.00
20181116T191703.0001.fits
SecZ=1.01
Focus=-6.040
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.291 -5.717 -5.112
T123=15.6 17.0 17.5
ALT/AZ=83.2 -16.3
sdW=16.3
fwW=3.07
sdS=17.8
fwS=2.89
0 0 0 0 0 0 0 0 0

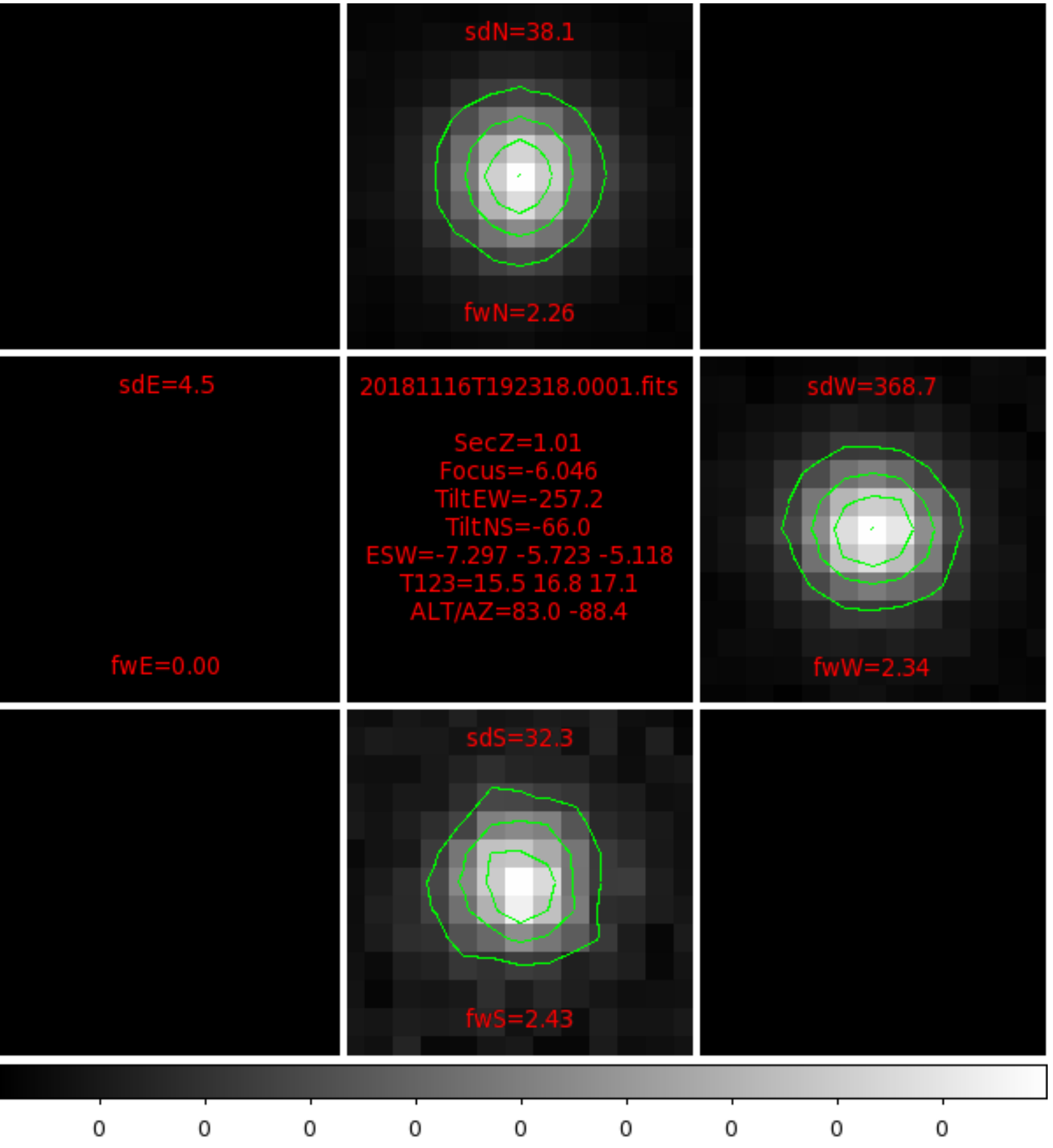

sdN=10.3
fwN=2.29
sdE=0.0
fwE=1.39
20181116T191826.0001.fits
SecZ=1.01
Focus=-6.040
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.291 -5.717 -5.112
T123=15.5 17.0 17.4
ALT/AZ=83.1 -18.5
fwAVG=2.20
sdW=10.4
fwW=2.56
sdS=19.9
fwS=2.19
0 0 0 0 0 0 0 0 0

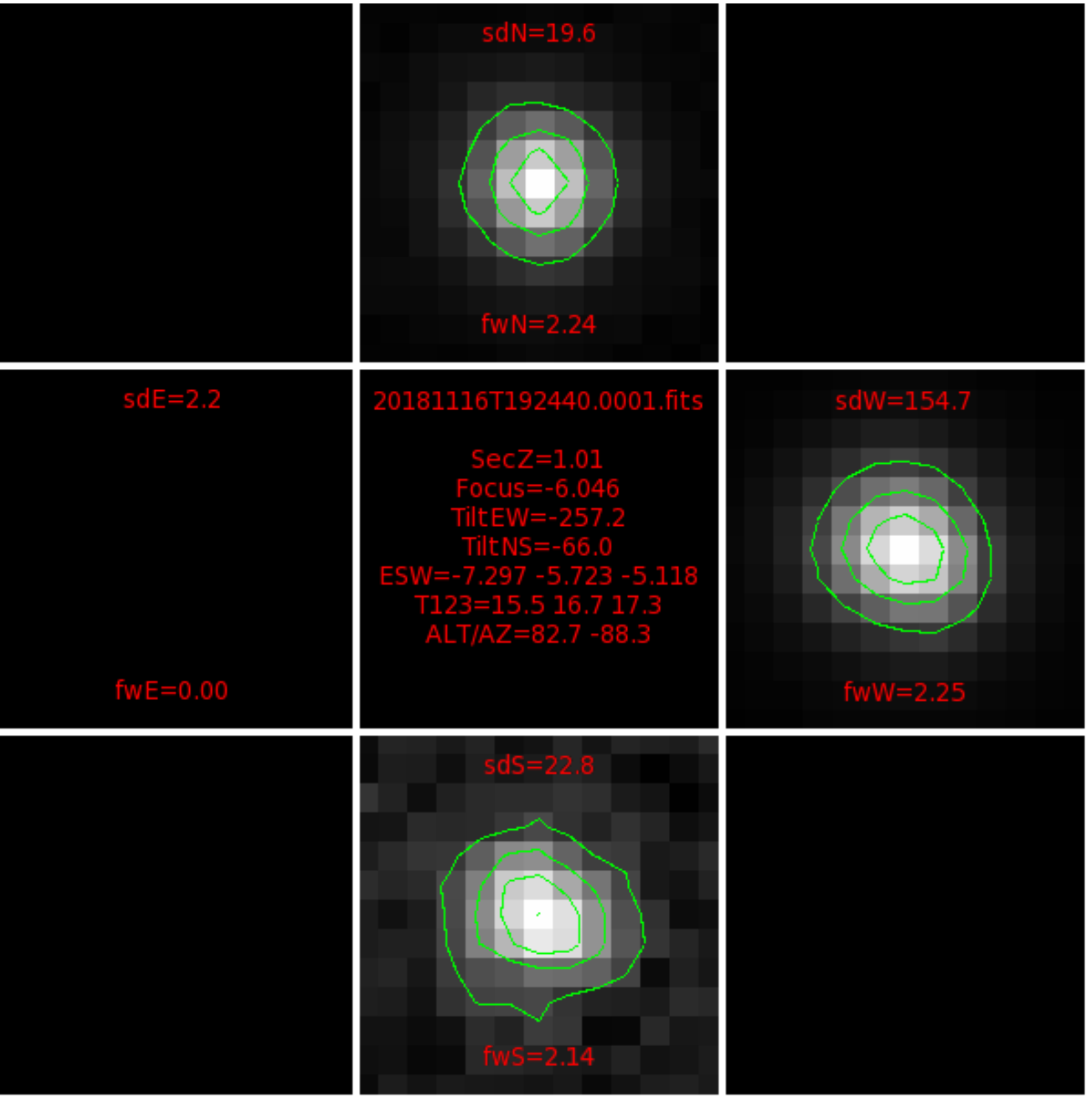

sdN=20.4
fwN=2.38
sdE=0.0
fwE=0.00
20181116T191913.0001.fits
SecZ=1.01
Focus=-6.040
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.291 -5.717 -5.112
T123=15.5 17.0 17.6
ALT/AZ=83.0 -19.7
sdW=22.1
fwW=2.52
sdS=54.3
fwS=2.33
0 0 0 0 0 0 0 0 0

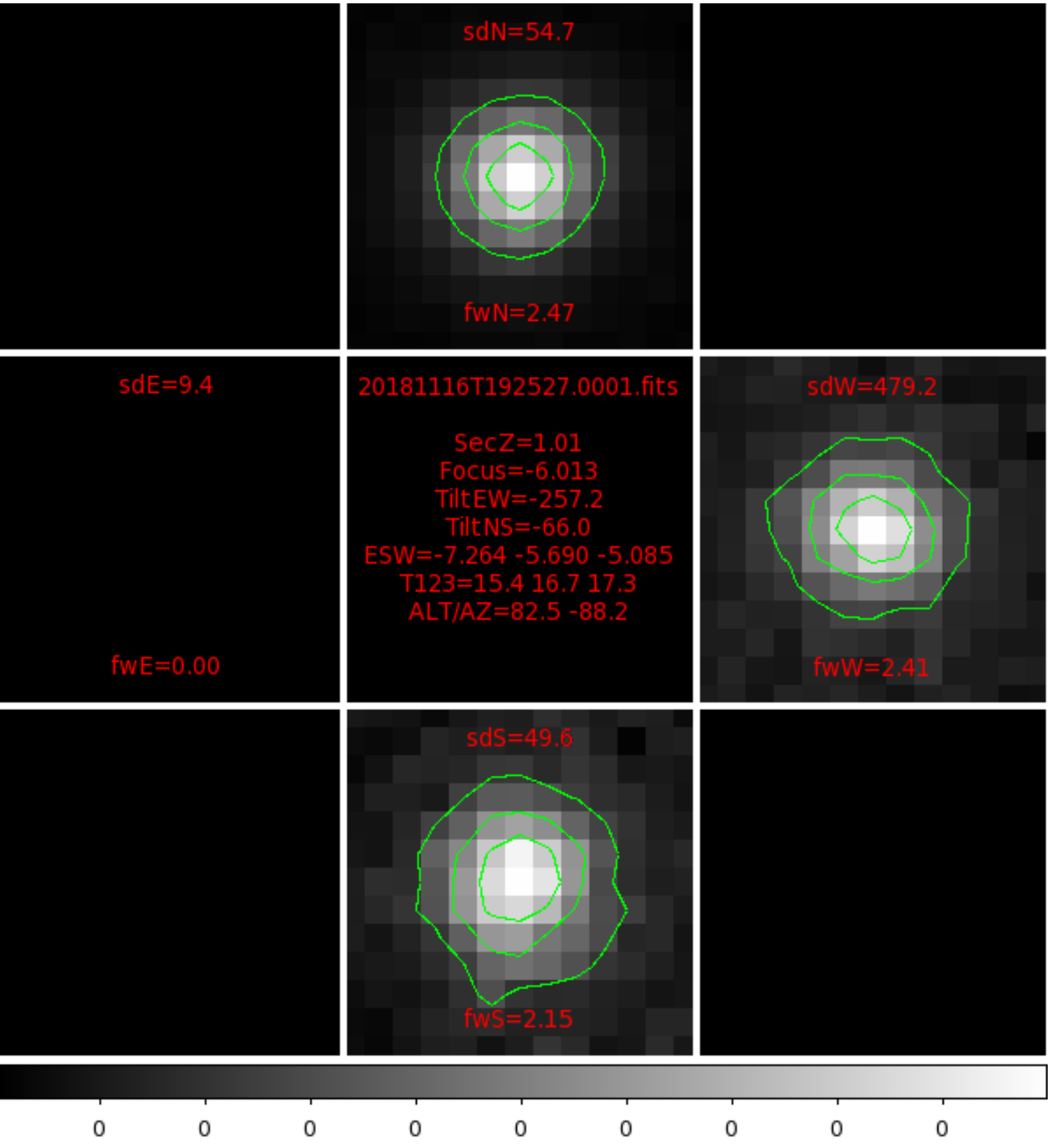

sdN=15.2
fwN=1.88
sdE=0.0
fwE=1.21
20181116T192022.0001.fits
SecZ=1.01
Focus=-6.040
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.291 -5.717 -5.112
T123=15.5 17.0 17.6
ALT/AZ=82.9 -21.4
fwAVG=2.00
sdW=16.4
fwW=2.46
sdS=48.9
fwS=2.13
0 0 0 0 0 0 0 0 0

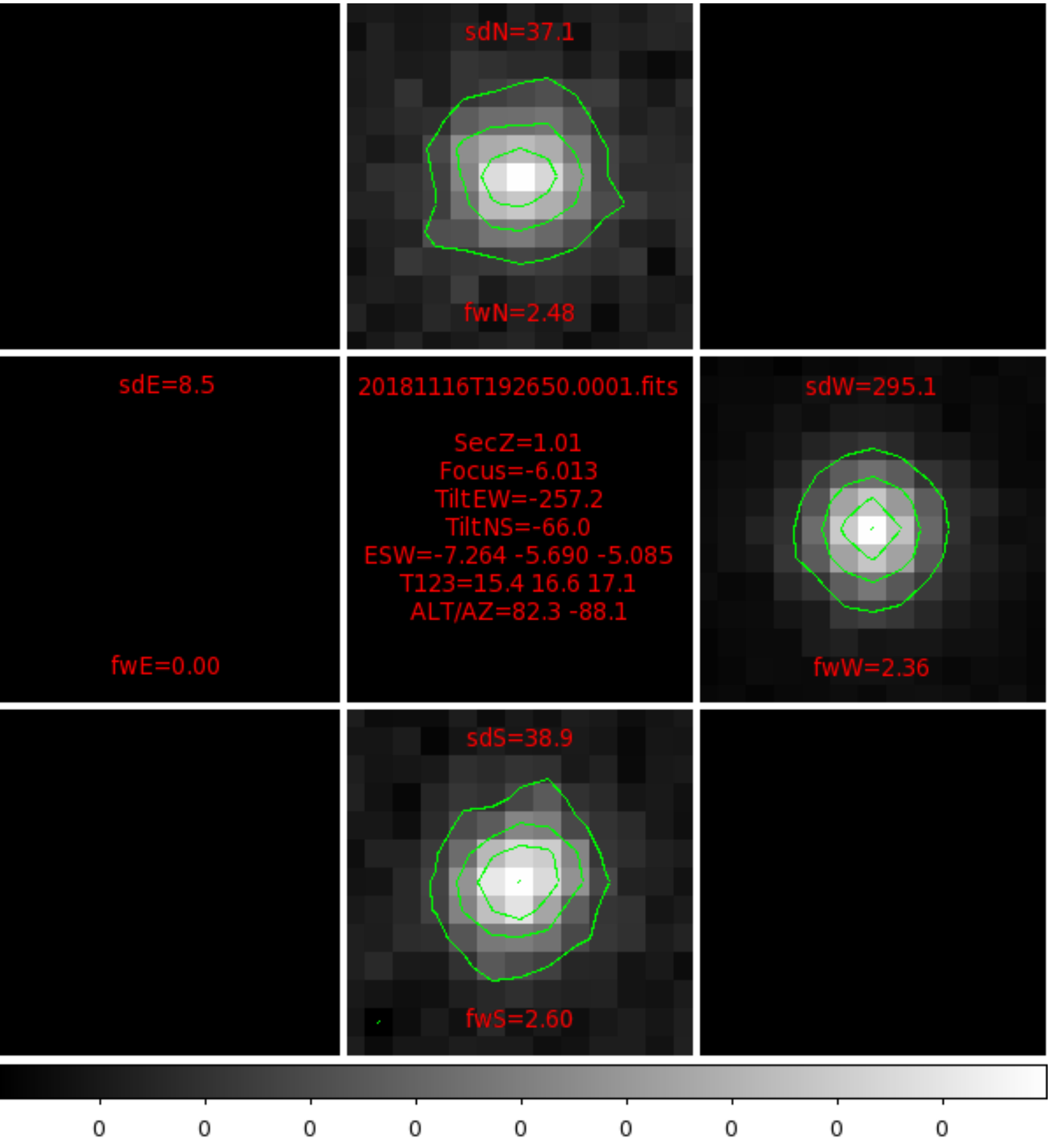

sdN=41.1
fwN=2.16
sdE=0.3
fwE=1.96
20181116T192109.0001.fits
SecZ=1.01
Focus=-6.046
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.297 -5.723 -5.118
T123=15.5 17.0 17.6
ALT/AZ=82.9 -22.5
fwAVG=2.28
sdW=49.4
fwW=2.49
sdS=176.9
fwS=2.24
0 0 0 0 0 0 0 0 0

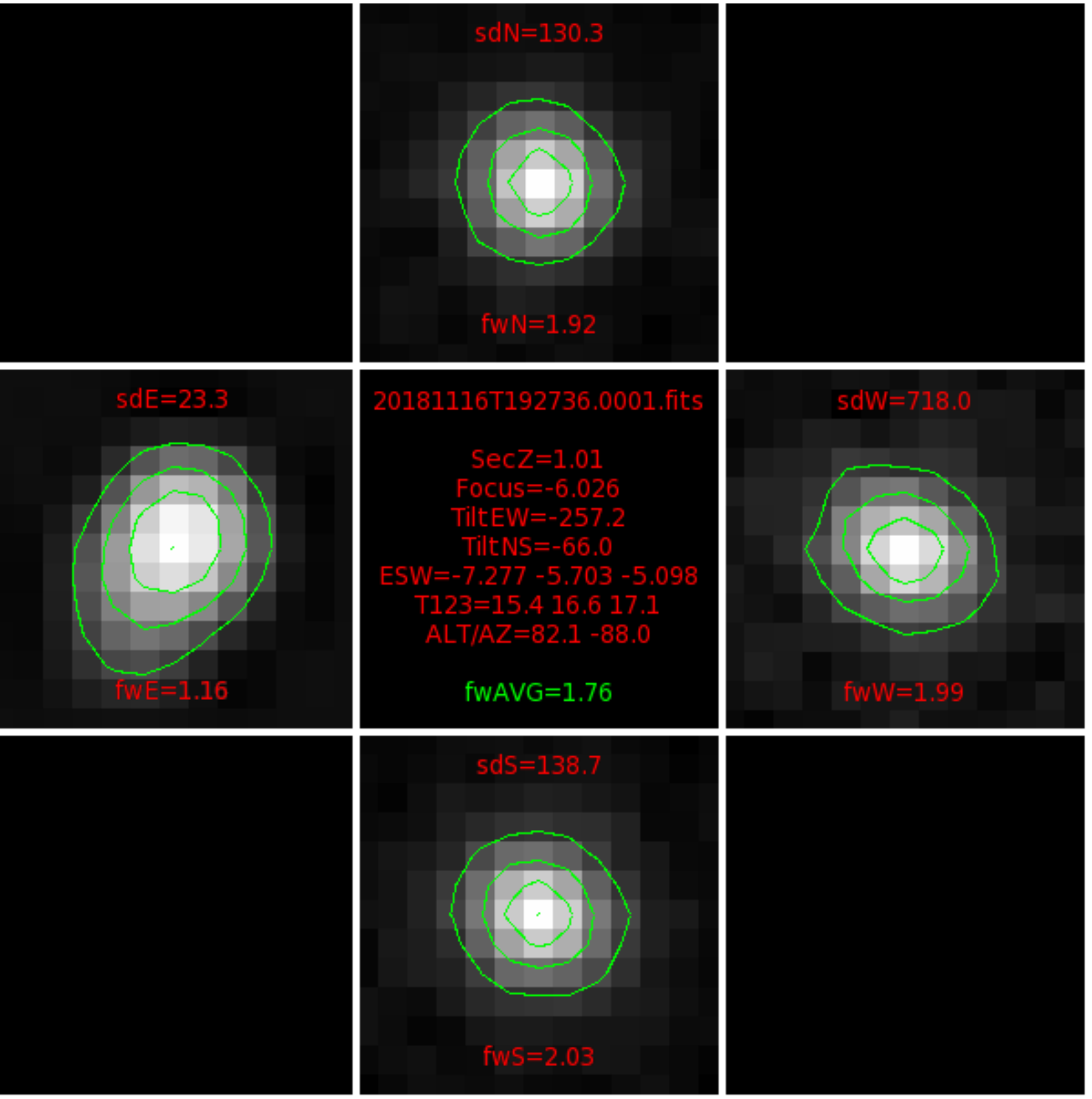

sdN=13.6
fwN=2.27
sdE=0.3
fwE=0.00
20181116T192231.0001.fits
SecZ=1.01
Focus=-6.046
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.297 -5.723 -5.118
T123=15.5 17.0 17.5
ALT/AZ=83.2 -88.5
sdW=105.6
fwW=2.28
sdS=13.7
fwS=2.08
0 0 0 0 0 0 0 0 0

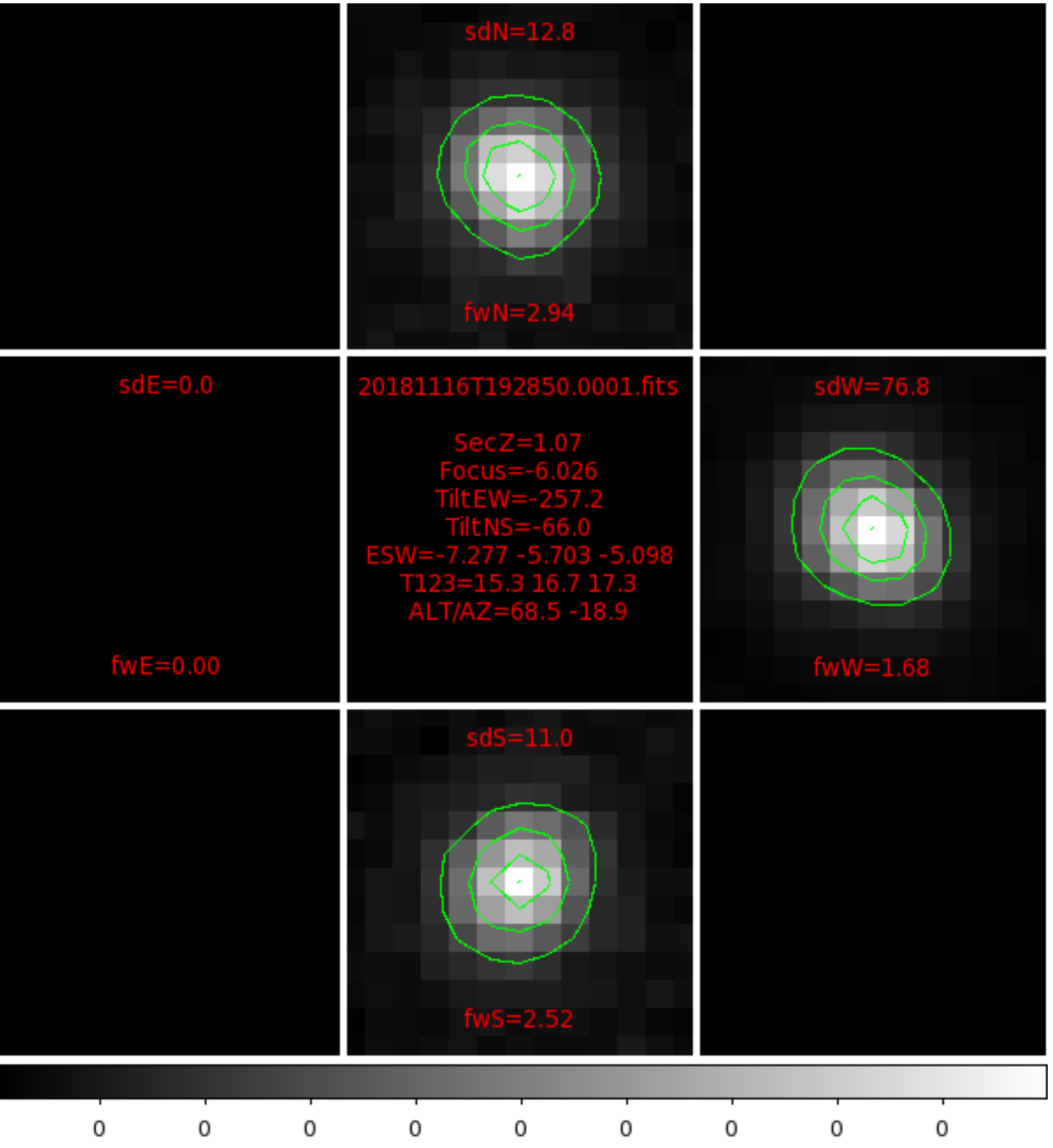

sdN=38.1
fwN=2.26
sdE=4.5
fwE=0.00
20181116T192318.0001.fits
SecZ=1.01
Focus=-6.046
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.297 -5.723 -5.118
T123=15.5 16.8 17.1
ALT/AZ=83.0 -88.4
sdW=368.7
fwW=2.34
sdS=32.3
fwS=2.43
0 0 0 0 0 0 0 0 0

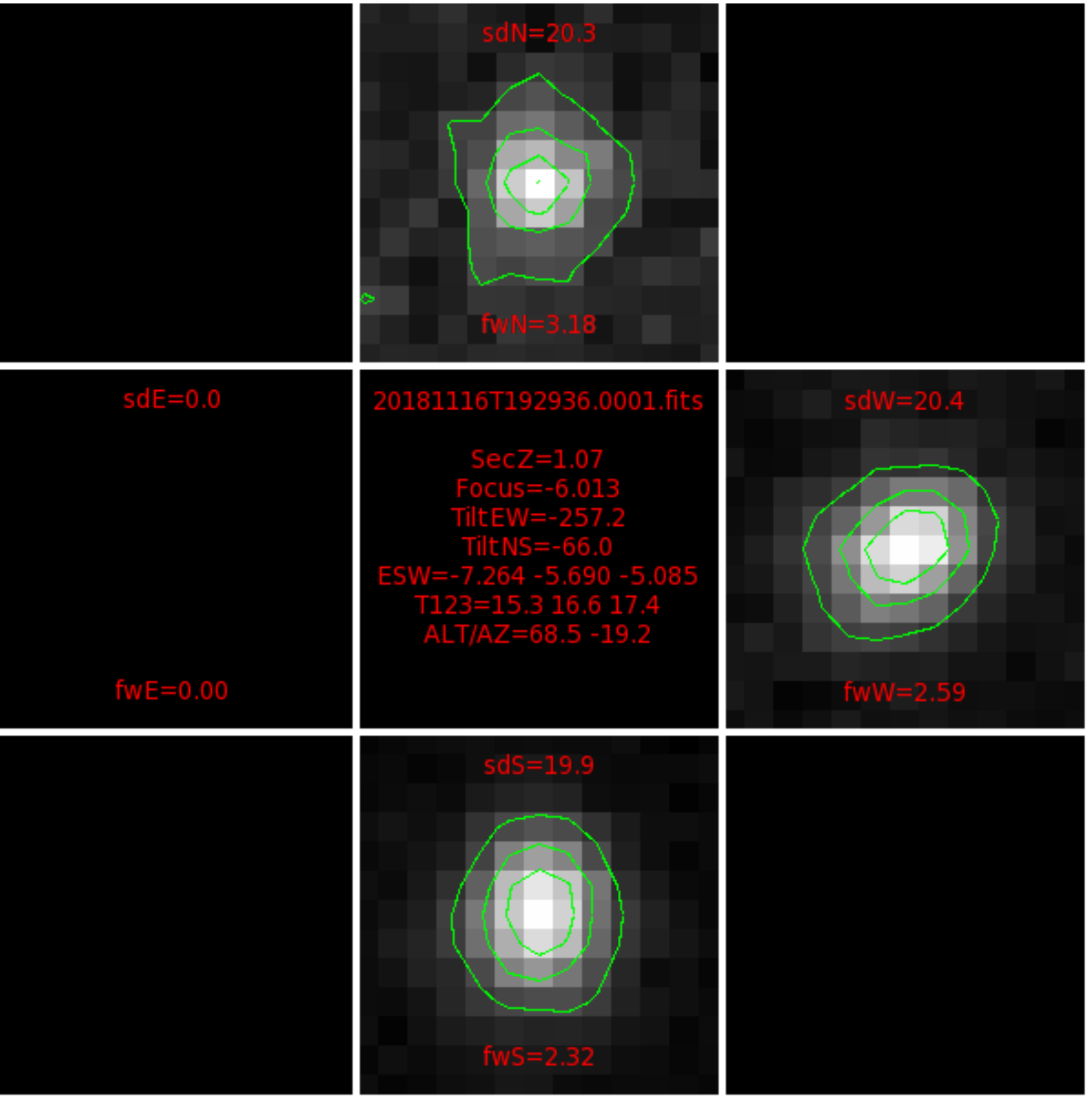

sdN=19.6
fwN=2.24
sdE=2.2
fwE=0.00
20181116T192440.0001.fits
SecZ=1.01
Focus=-6.046
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.297 -5.723 -5.118
T123=15.5 16.7 17.3
ALT/AZ=82.7 -88.3
sdW=154.7
fwW=2.25
sdS=22.8
fwS=2.14
0 0 0 0 0 0 0 0 0

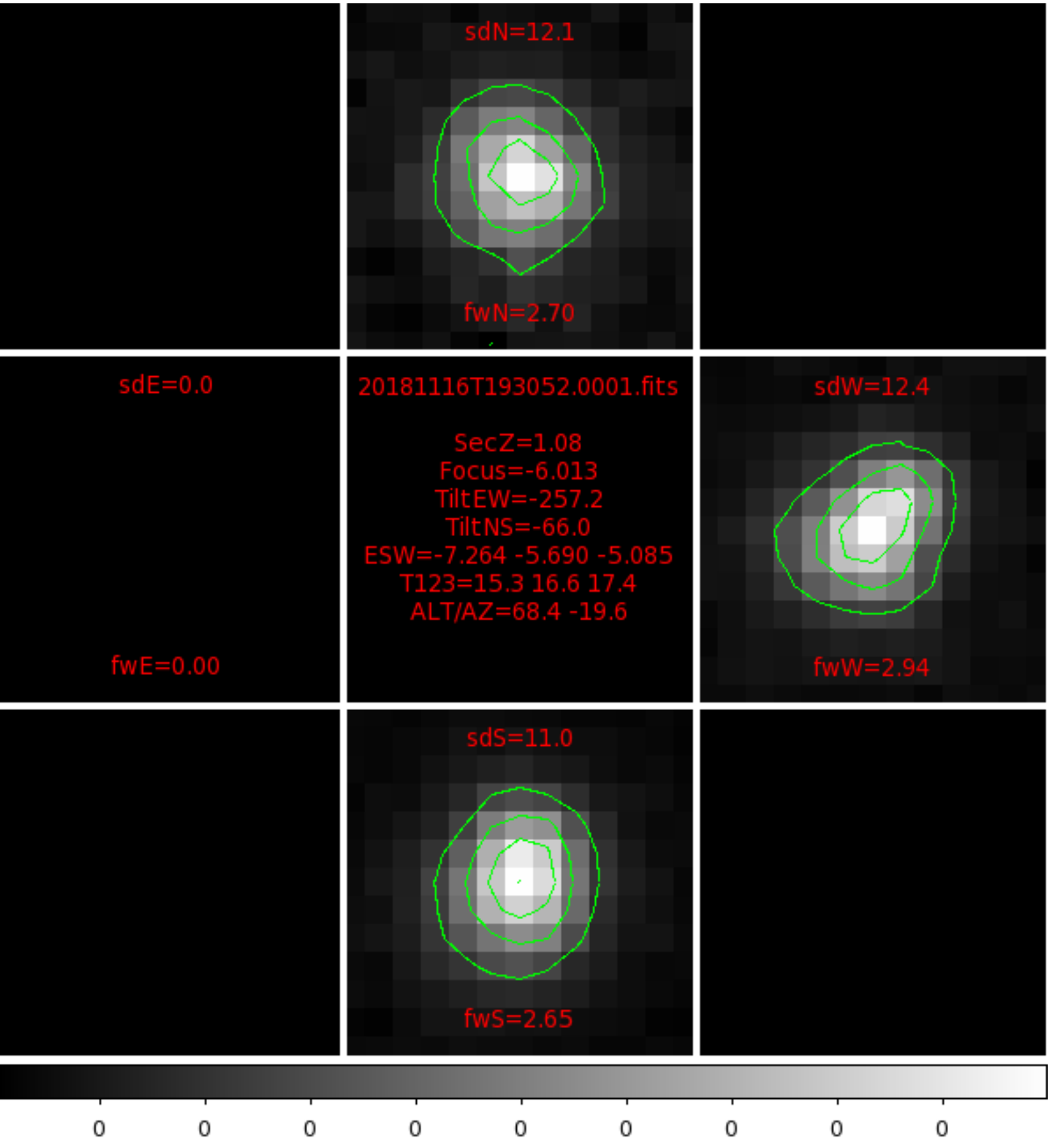

sdN=54.7
fwN=2.47
sdE=9.4
fwE=0.00
20181116T192527.0001.fits
SecZ=1.01
Focus=-6.013
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.264 -5.690 -5.085
T123=15.4 16.7 17.3
ALT/AZ=82.5 -88.2
sdW=479.2
fwW=2.41
sdS=49.6
fwS=2.15
0 0 0 0 0 0 0 0 0

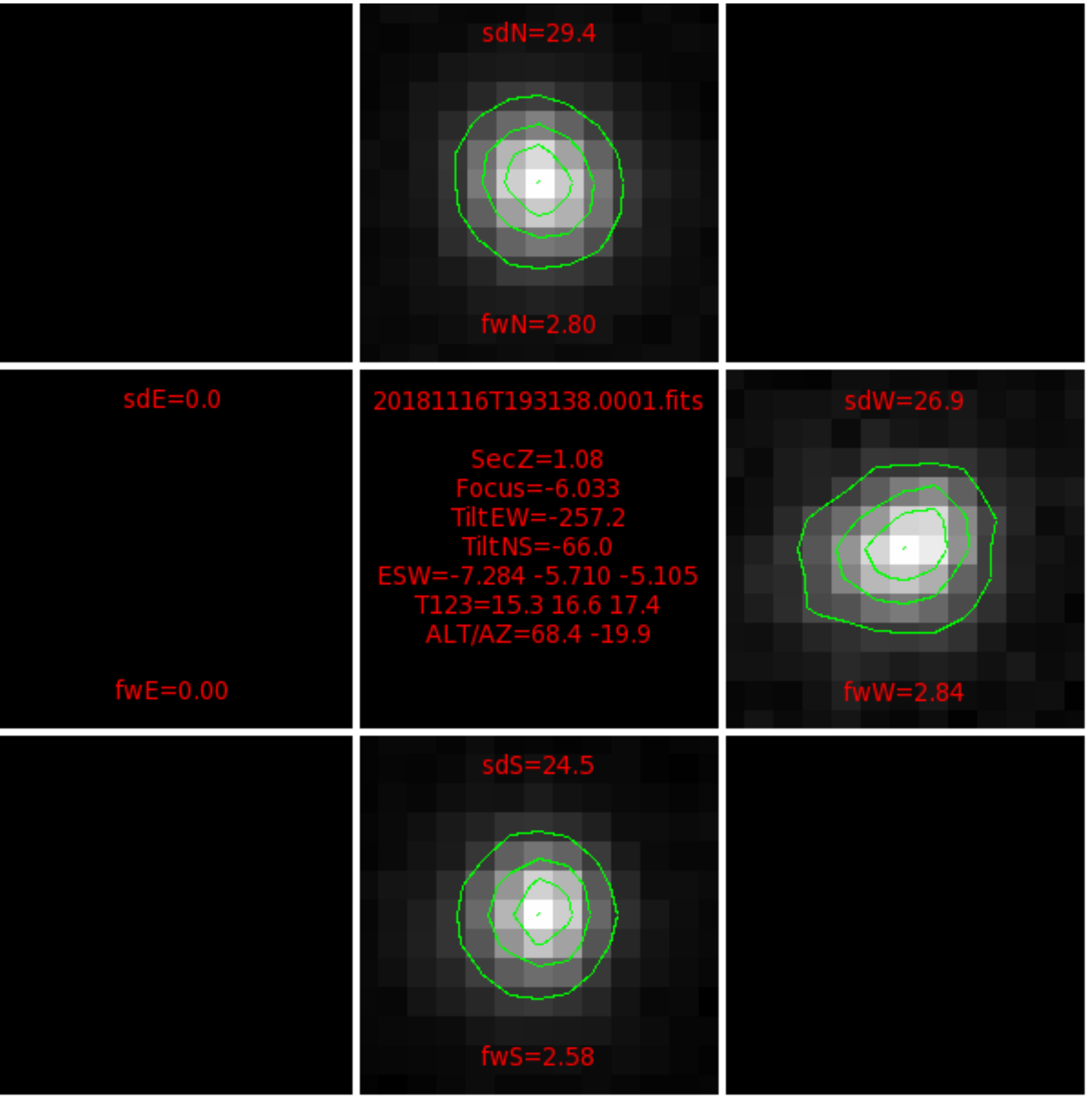

sdN=37.1
fwN=2.48
sdE=8.5
fwE=0.00
20181116T192650.0001.fits
SecZ=1.01
Focus=-6.013
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.264 -5.690 -5.085
T123=15.4 16.6 17.1
ALT/AZ=82.3 -88.1
sdW=295.1
fwW=2.36
sdS=38.9
fwS=2.60
0 0 0 0 0 0 0 0 0

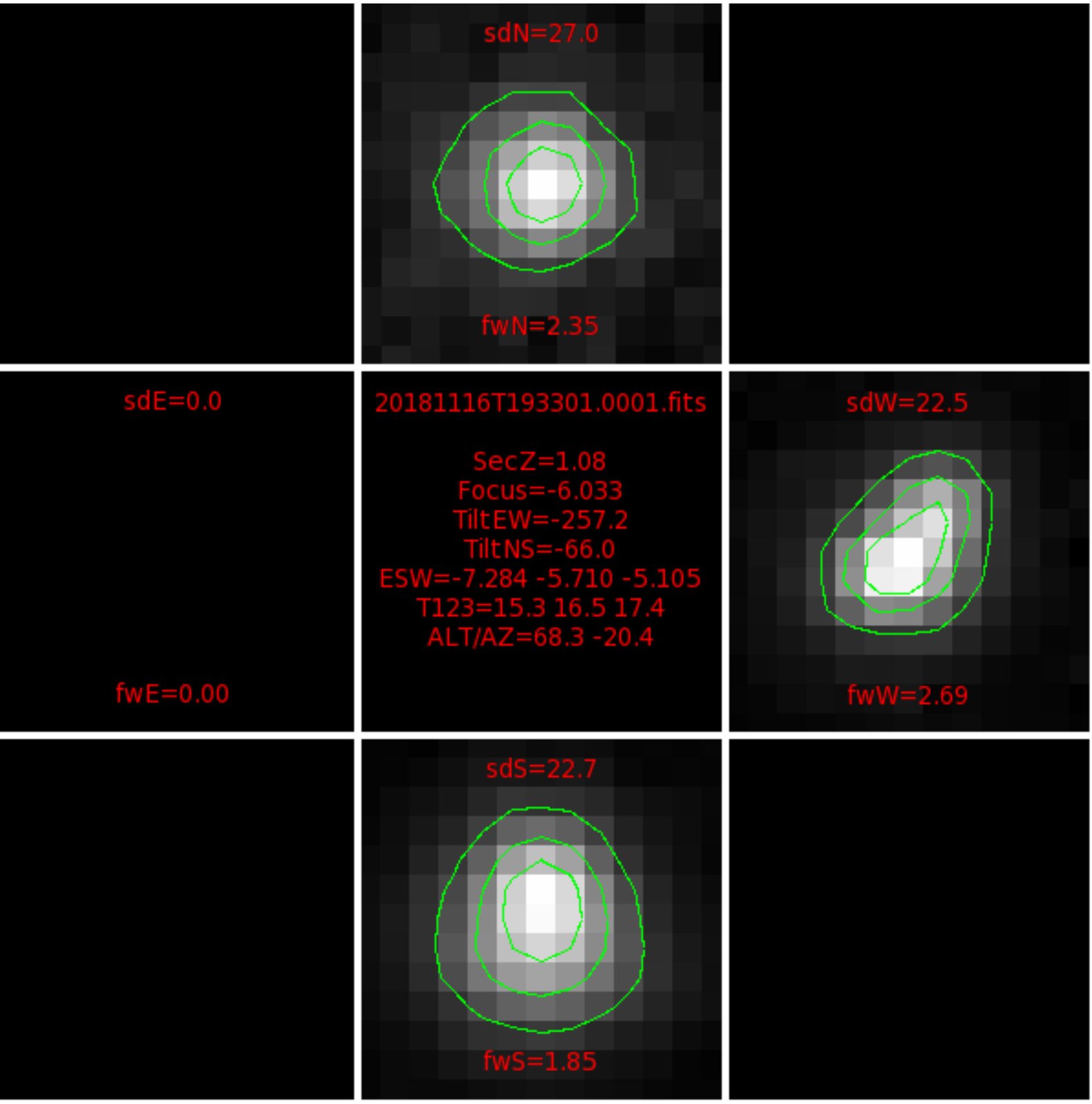

sdN=130.3
fwN=1.92
sdE=23.3
fwE=1.16
20181116T192736.0001.fits
SecZ=1.01
Focus=-6.026
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.277 -5.703 -5.098
T123=15.4 16.6 17.1
ALT/AZ=82.1 -88.0
fwAVG=1.76
sdW=718.0
fwW=1.99
sdS=138.7
fwS=2.03
0 0 0 0 0 0 0 0 0

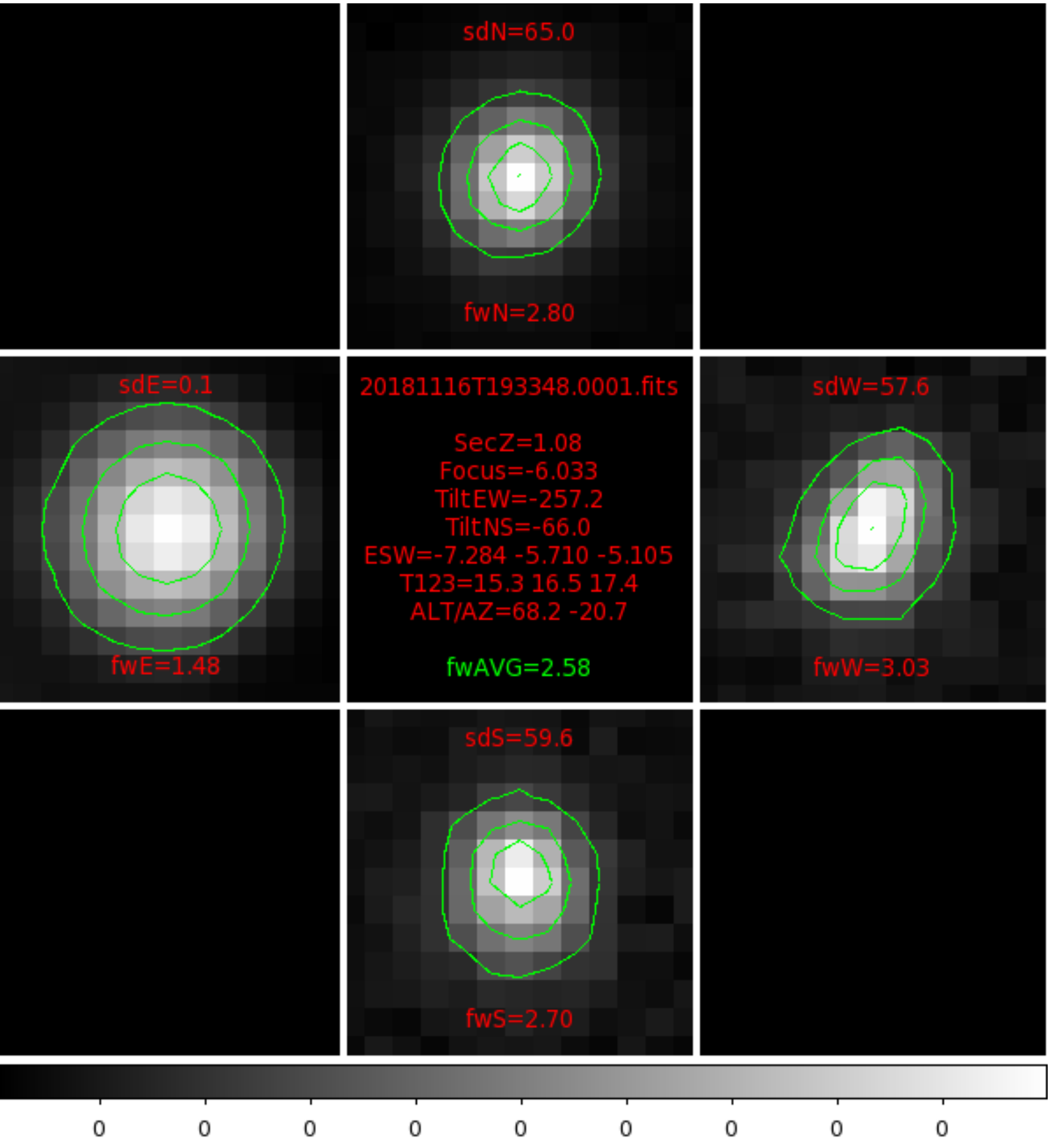

sdN=12.8
fwN=2.94
sdE=0.0
fwE=0.00
20181116T192850.0001.fits
SecZ=1.07
Focus=-6.026
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.277 -5.703 -5.098
T123=15.3 16.7 17.3
ALT/AZ=68.5 -18.9
sdW=76.8
fwW=1.68
sdS=11.0
fwS=2.52
0 0 0 0 0 0 0 0 0

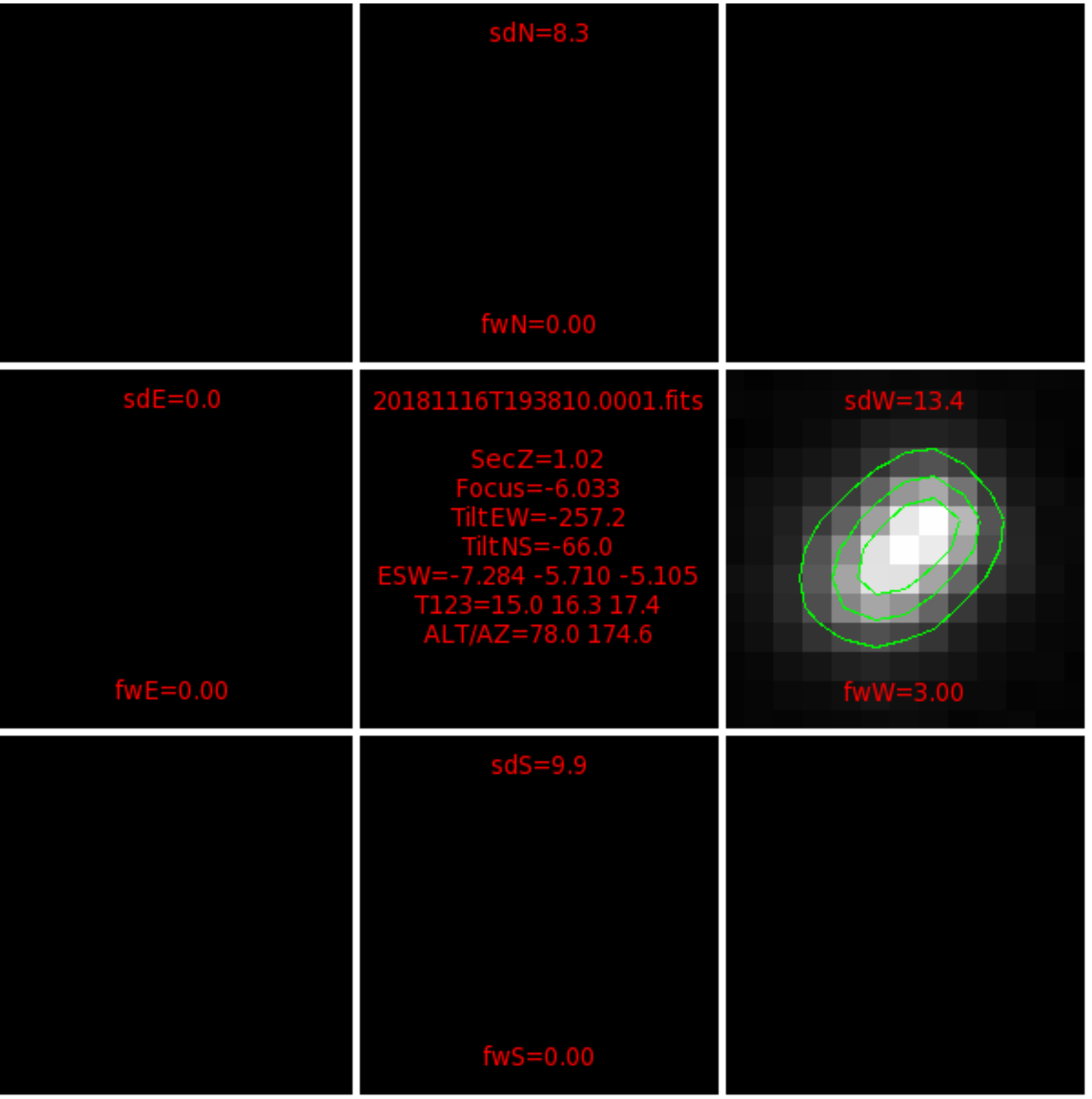

sdN=20.3
fwN=3.18
sdE=0.0
fwE=0.00
20181116T192936.0001.fits
SecZ=1.07
Focus=-6.013
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.264 -5.690 -5.085
T123=15.3 16.6 17.4
ALT/AZ=68.5 -19.2
sdW=20.4
fwW=2.59
sdS=19.9
fwS=2.32
0 0 0 0 0 0 0 0 0

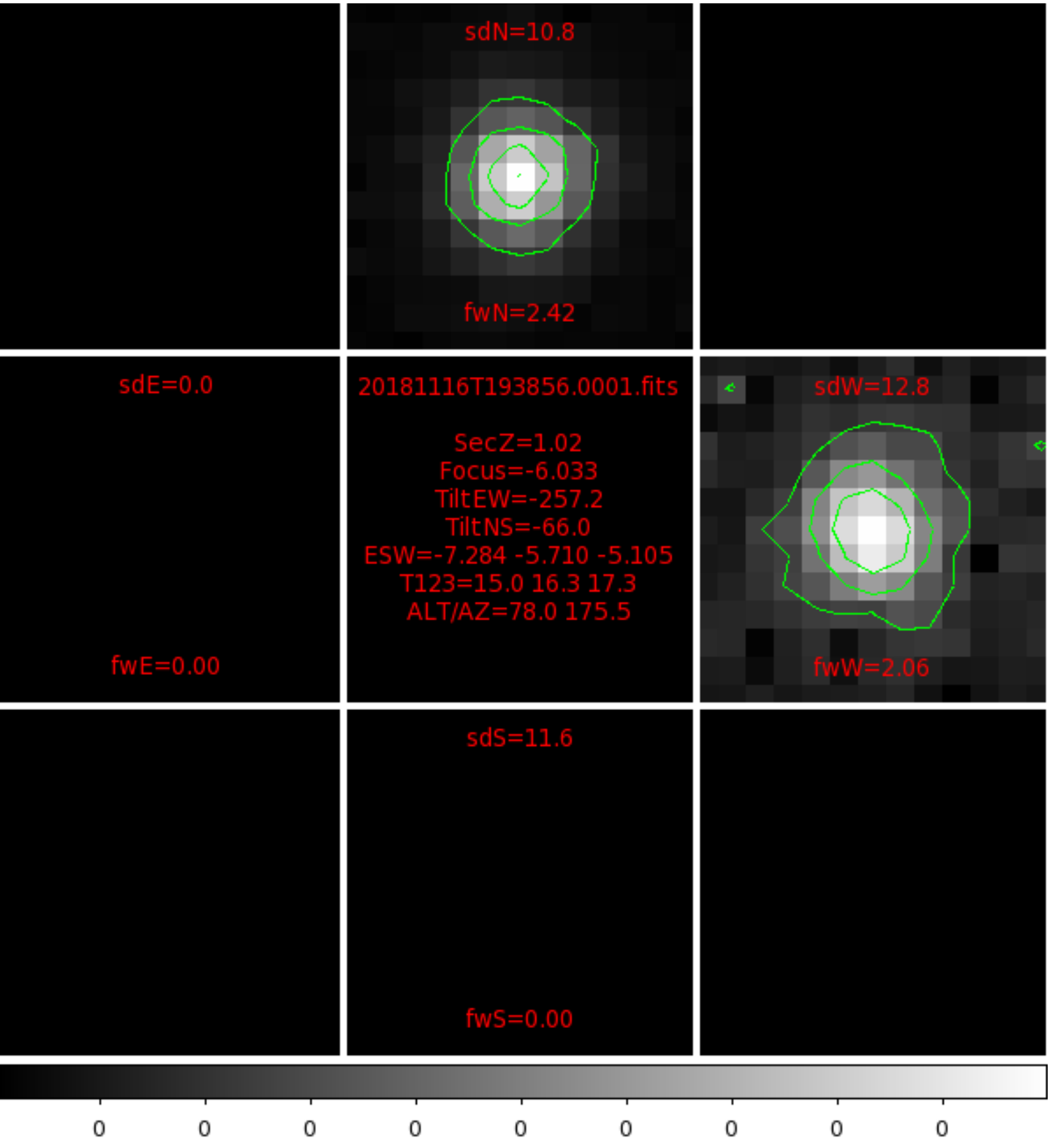

sdN=12.1
fwN=2.70
sdE=0.0
fwE=0.00
20181116T193052.0001.fits
SecZ=1.08
Focus=-6.013
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.264 -5.690 -5.085
T123=15.3 16.6 17.4
ALT/AZ=68.4 -19.6
sdW=12.4
fwW=2.94
sdS=11.0
fwS=2.65
0 0 0 0 0 0 0 0 0

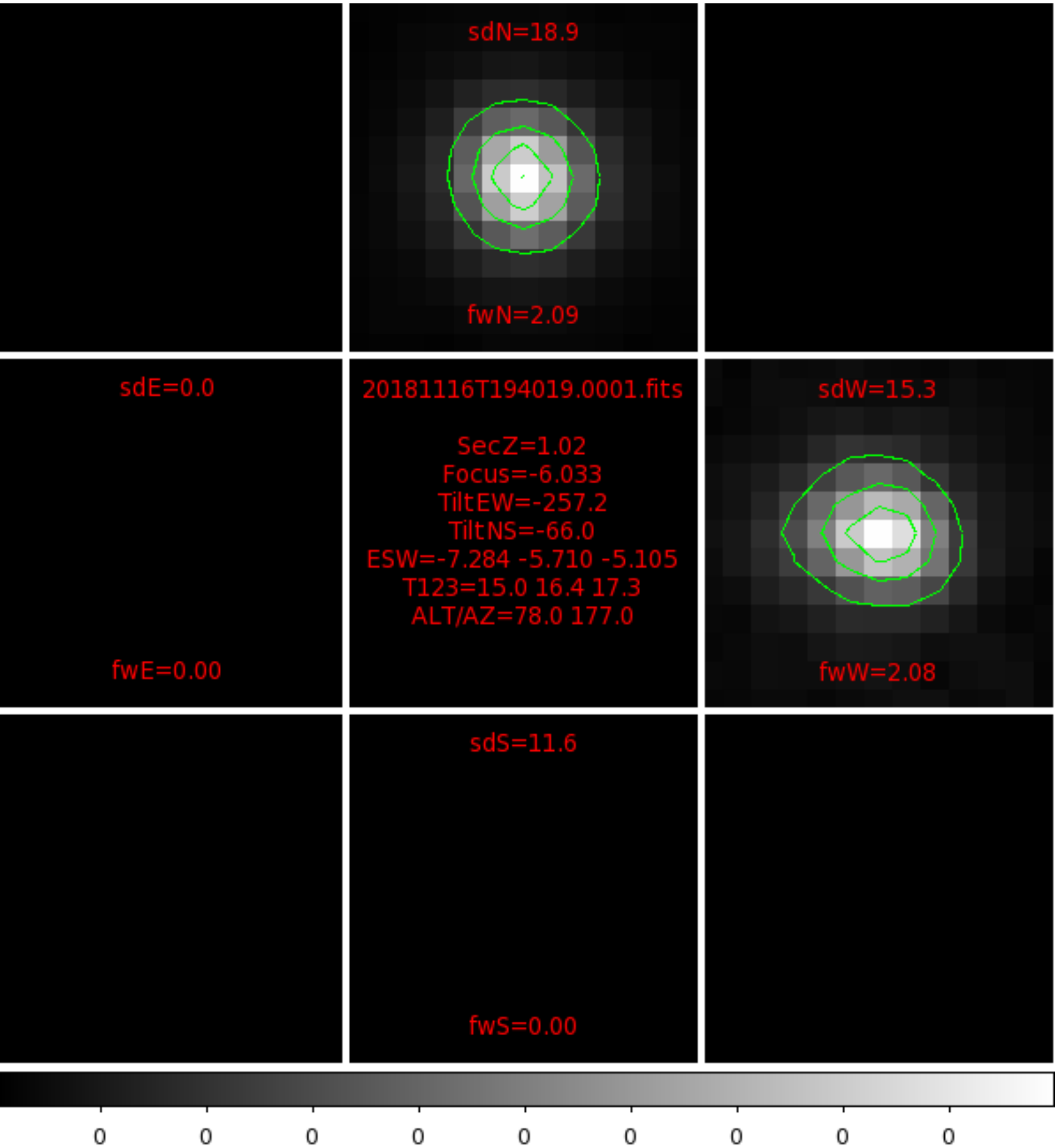

sdN=29.4
fwN=2.80
sdE=0.0
fwE=0.00
20181116T193138.0001.fits
SecZ=1.08
Focus=-6.033
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.284 -5.710 -5.105
T123=15.3 16.6 17.4
ALT/AZ=68.4 -19.9
sdW=26.9
fwW=2.84
sdS=24.5
fwS=2.58
0 0 0 0 0 0 0 0 0

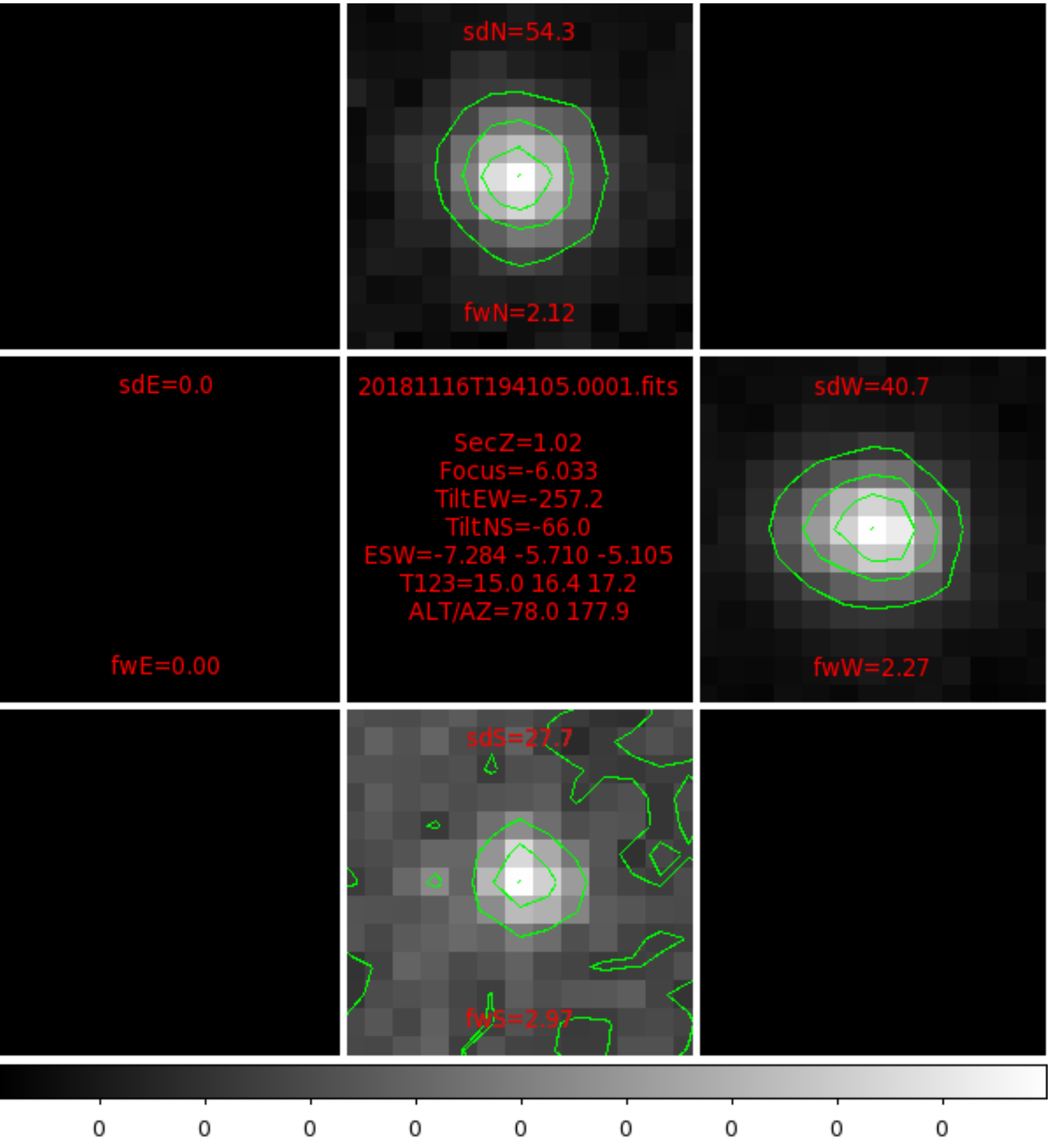

sdN=27.0
fwN=2.35
sdE=0.0
fwE=0.00
20181116T193301.0001.fits
SecZ=1.08
Focus=-6.033
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.284 -5.710 -5.105
T123=15.3 16.5 17.4
ALT/AZ=68.3 -20.4
sdW=22.5
fwW=2.69
sdS=22.7
fwS=1.85
0 0 0 0 0 0 0 0 0

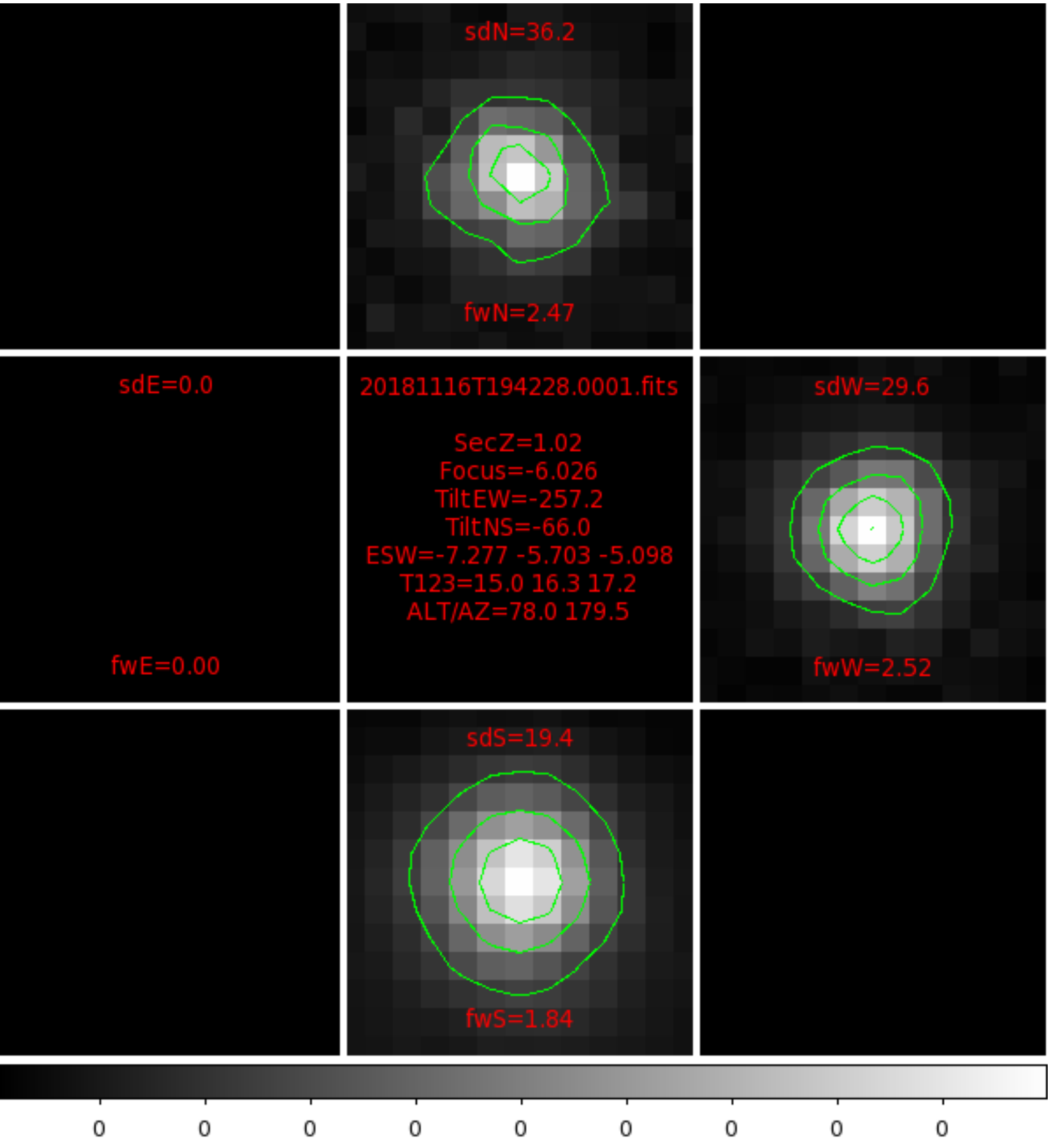

sdN=65.0
fwN=2.80
sdE=0.1
fwE=1.48
20181116T193348.0001.fits
SecZ=1.08
Focus=-6.033
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.284 -5.710 -5.105
T123=15.3 16.5 17.4
ALT/AZ=68.2 -20.7
fwAVG=2.58
sdW=57.6
fwW=3.03
sdS=59.6
fwS=2.70
0 0 0 0 0 0 0 0 0

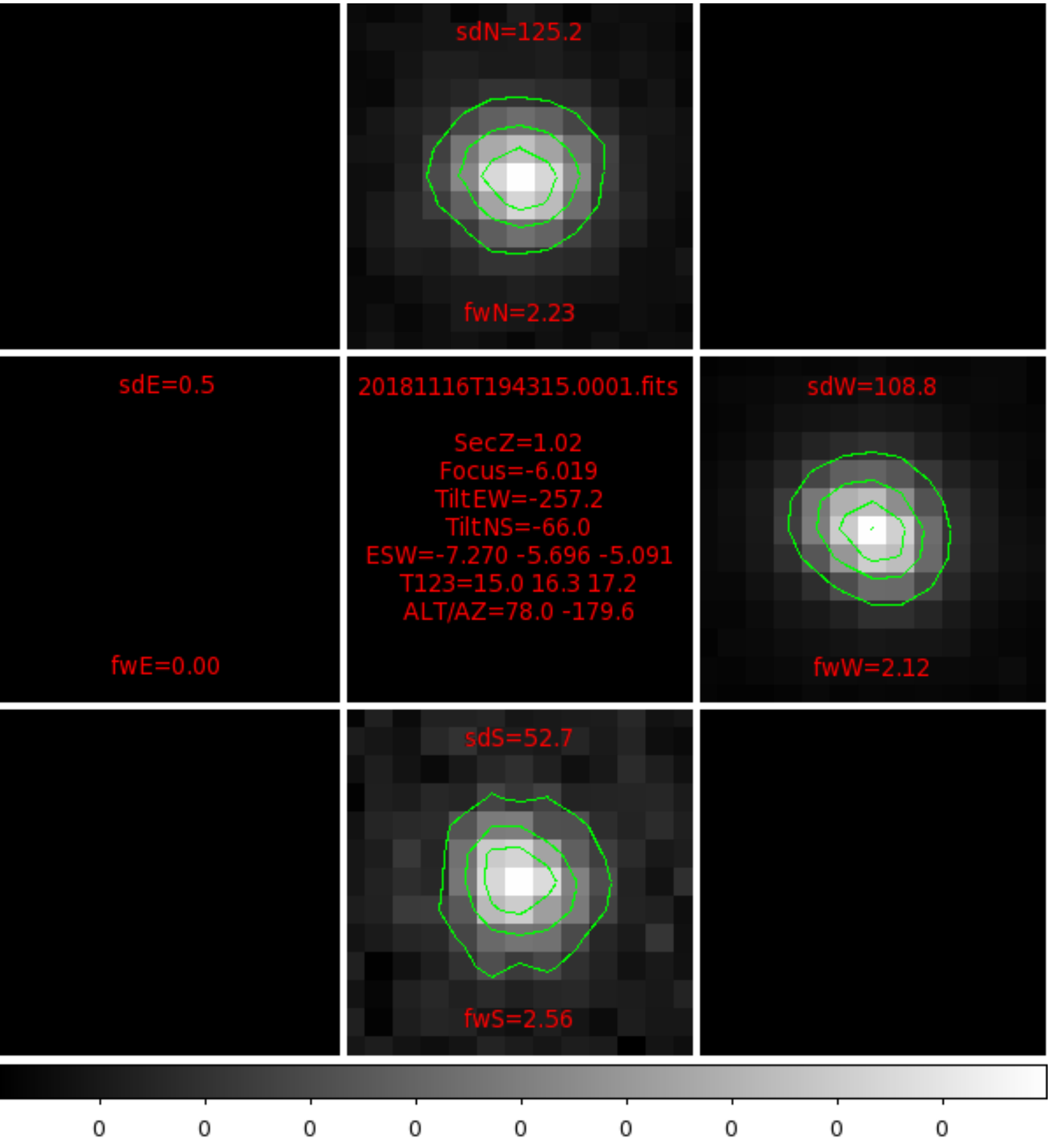

sdN=8.3
fwN=0.00
sdE=0.0
20181116T193810.0001.fits
SecZ=1.02
Focus=-6.033
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.284 -5.710 -5.105
T123=15.0 16.3 17.4
ALT/AZ=78.0 174.6
sdW=13.4
fwE=0.00
fwW=3.00
sdS=9.9
fwS=0.00
0 0 0 0 0 0 0 0 0

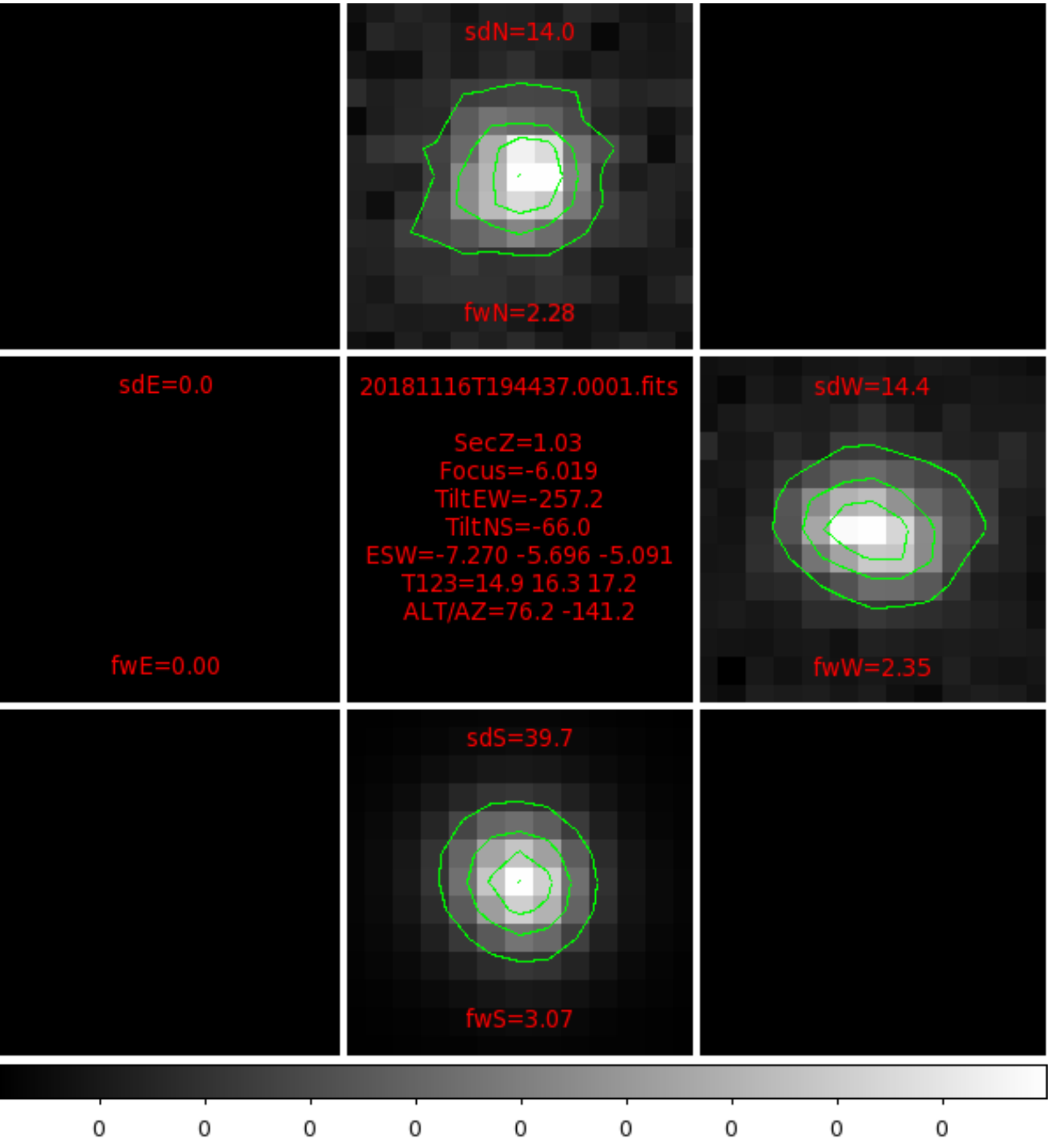

sdN=10.8
fwN=2.42
sdE=0.0
fwE=0.00
20181116T193856.0001.fits
SecZ=1.02
Focus=-6.033
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.284 -5.710 -5.105
T123=15.0 16.3 17.3
ALT/AZ=78.0 175.5
sdW=12.8
fwW=2.06
sdS=11.6
fwS=0.00
0 0 0 0 0 0 0 0 0

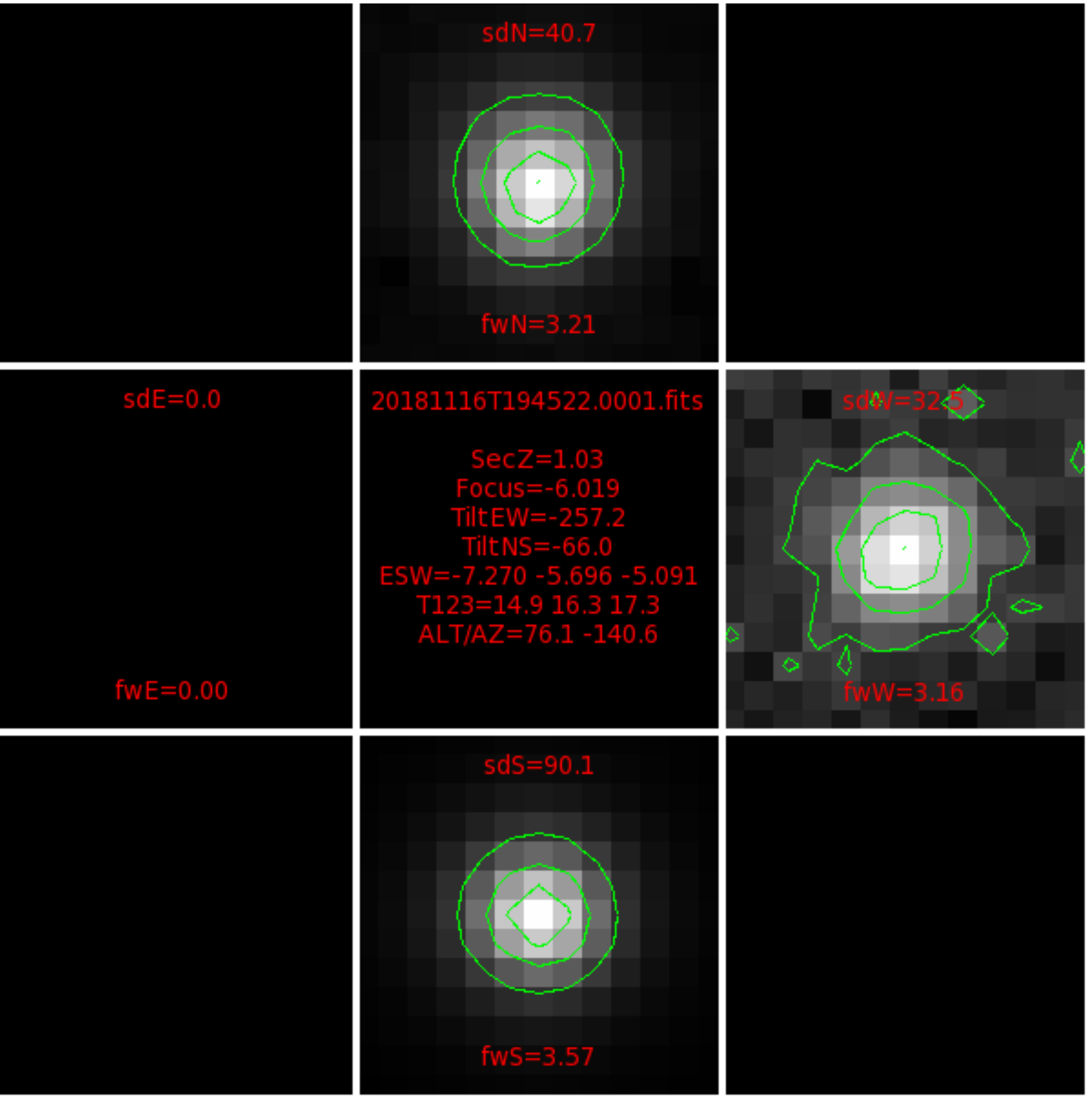

sdN=18.9
fwN=2.09
sdE=0.0
fwE=0.00
20181116T194019.0001.fits
SecZ=1.02
Focus=-6.033
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.284 -5.710 -5.105
T123=15.0 16.4 17.3
ALT/AZ=78.0 177.0
sdW=15.3
fwW=2.08
sdS=11.6
fwS=0.00
0 0 0 0 0 0 0 0 0

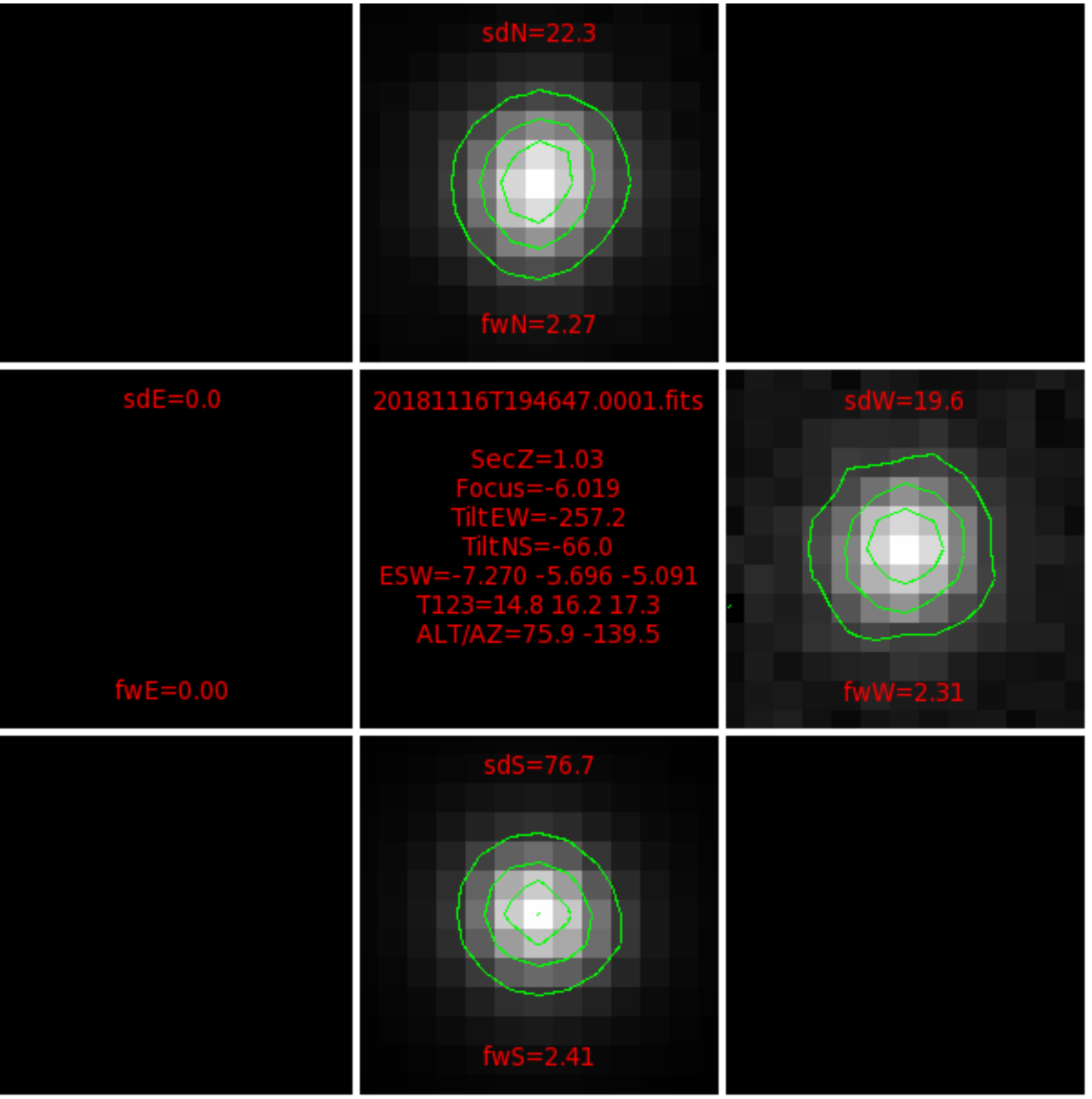

sdN=54.3
fwN=2.12
sdE=0.0
fwE=0.00
20181116T194105.0001.fits
SecZ=1.02
Focus=-6.033
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.284 -5.710 -5.105
T123=15.0 16.4 17.2
ALT/AZ=78.0 177.9
sdW=40.7
fwW=2.27
sdS=27.7
fwS=2.97
0 0 0 0 0 0 0 0 0

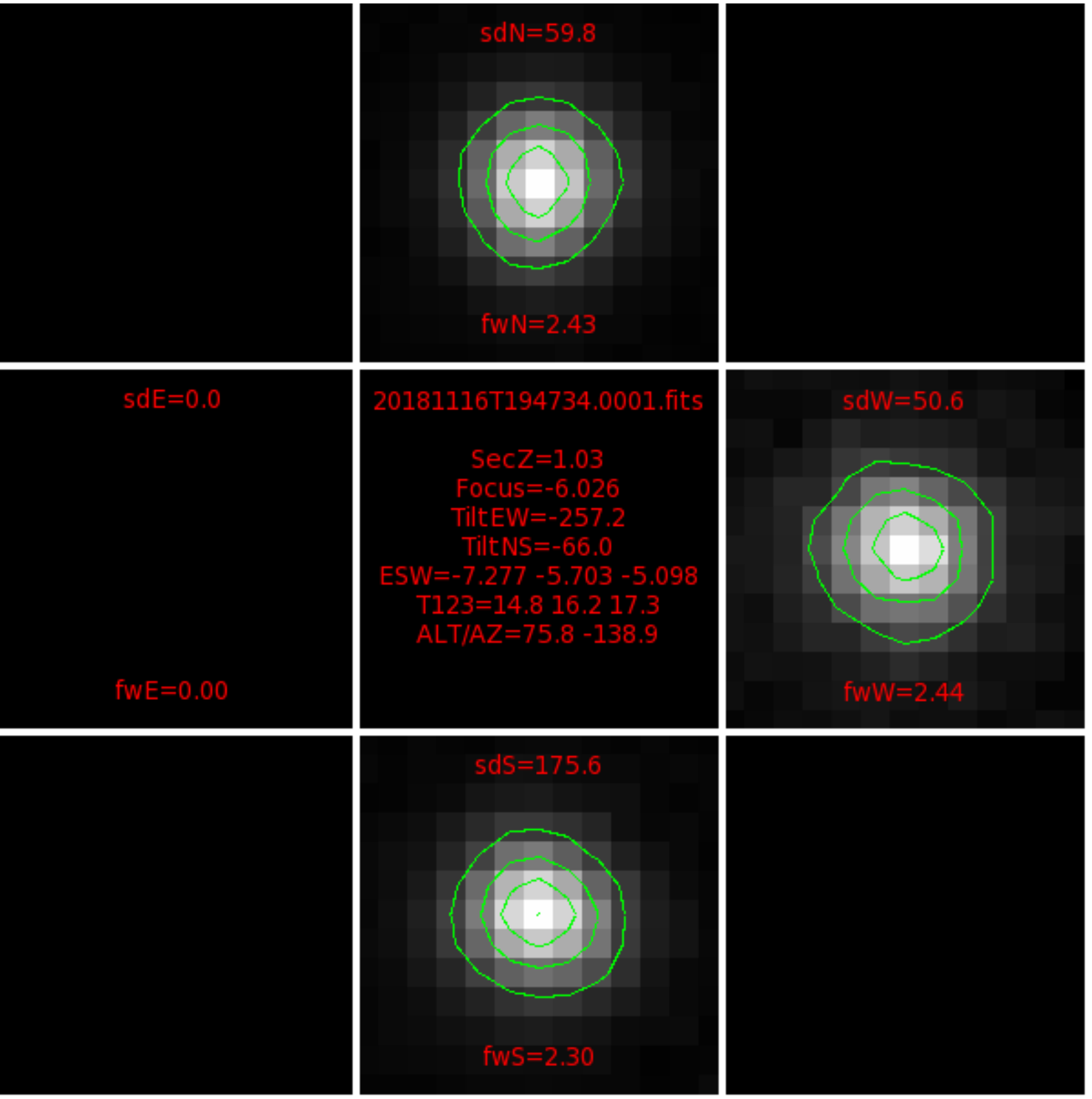

sdN=36.2
fwN=2.47
sdE=0.0
fwE=0.00
20181116T194228.0001.fits
SecZ=1.02
Focus=-6.026
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.277 -5.703 -5.098
T123=15.0 16.3 17.2
ALT/AZ=78.0 179.5
sdW=29.6
fwW=2.52
sdS=19.4
fwS=1.84
0 0 0 0 0 0 0 0 0

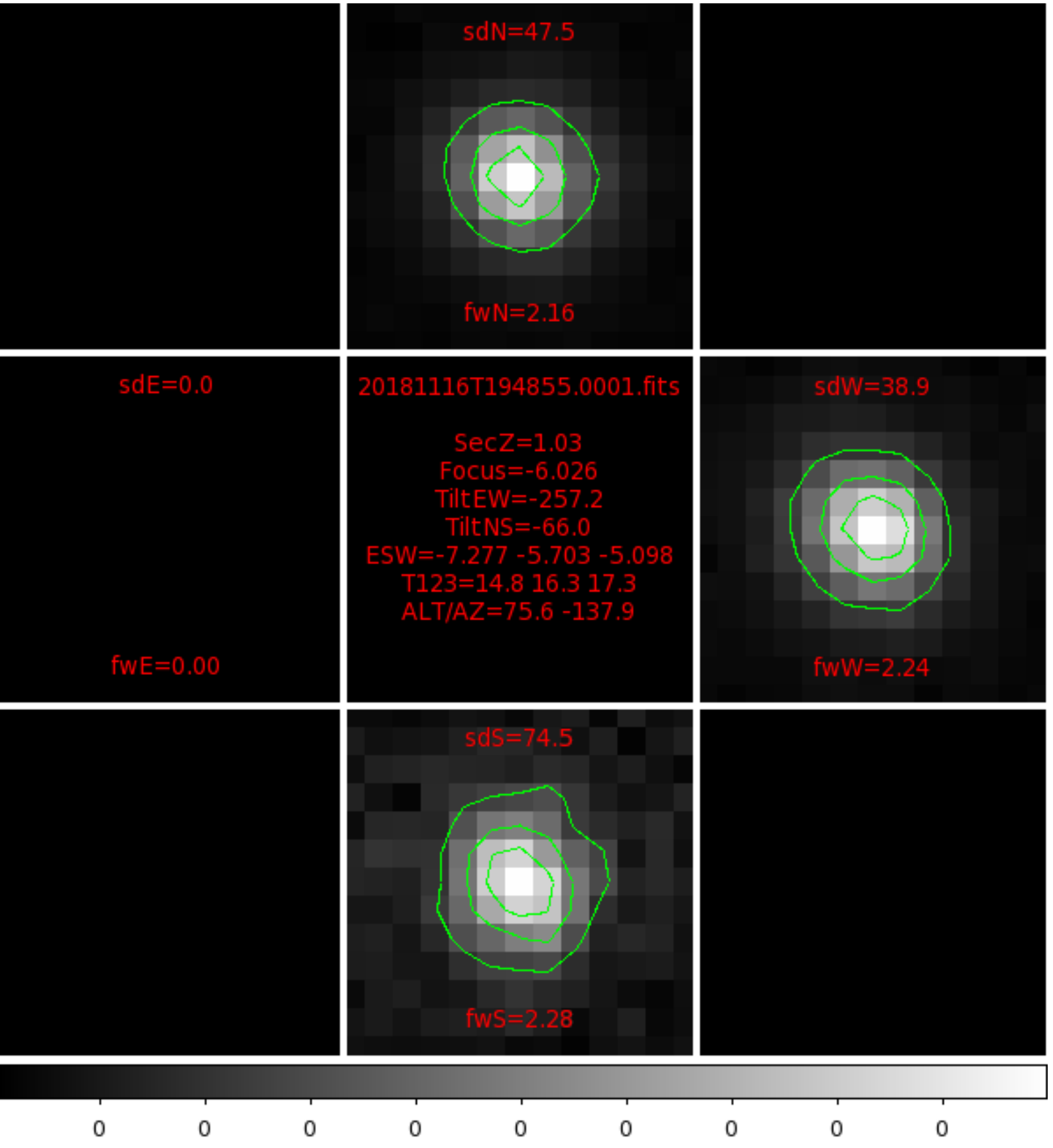

sdN=125.2
fwN=2.23
sdE=0.5
fwE=0.00
20181116T194315.0001.fits
SecZ=1.02
Focus=-6.019
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.270 -5.696 -5.091
T123=15.0 16.3 17.2
ALT/AZ=78.0 -179.6
sdW=108.8
fwW=2.12
sdS=52.7
fwS=2.56
0 0 0 0 0 0 0 0 0

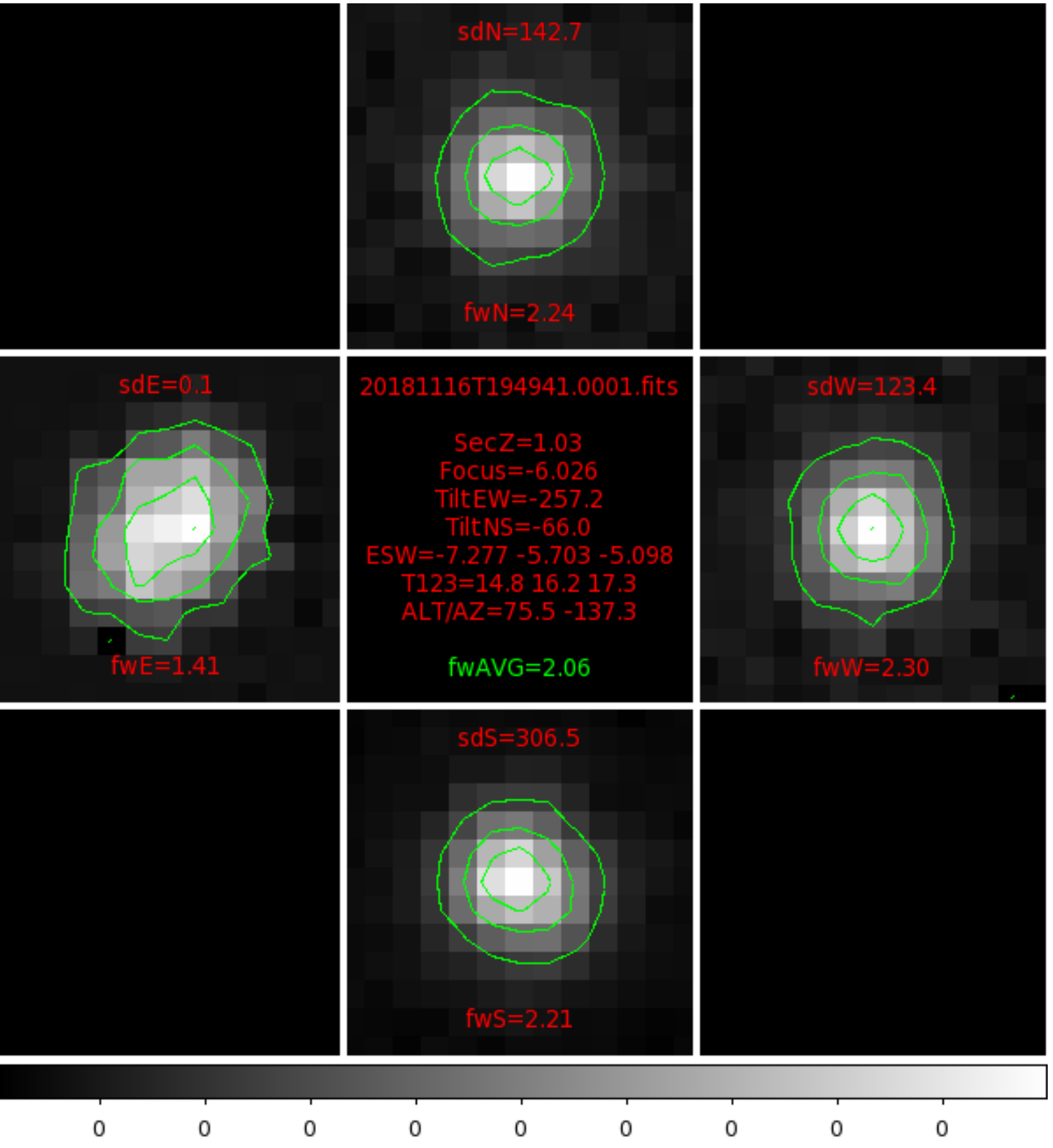

sdN=14.0
fwN=2.28
sdE=0.0
fwE=0.00
20181116T194437.0001.fits
SecZ=1.03
Focus=-6.019
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.270 -5.696 -5.091
T123=14.9 16.3 17.2
ALT/AZ=76.2 -141.2
sdW=14.4
fwW=2.35
sdS=39.7
fwS=3.07
0 0 0 0 0 0 0 0 0

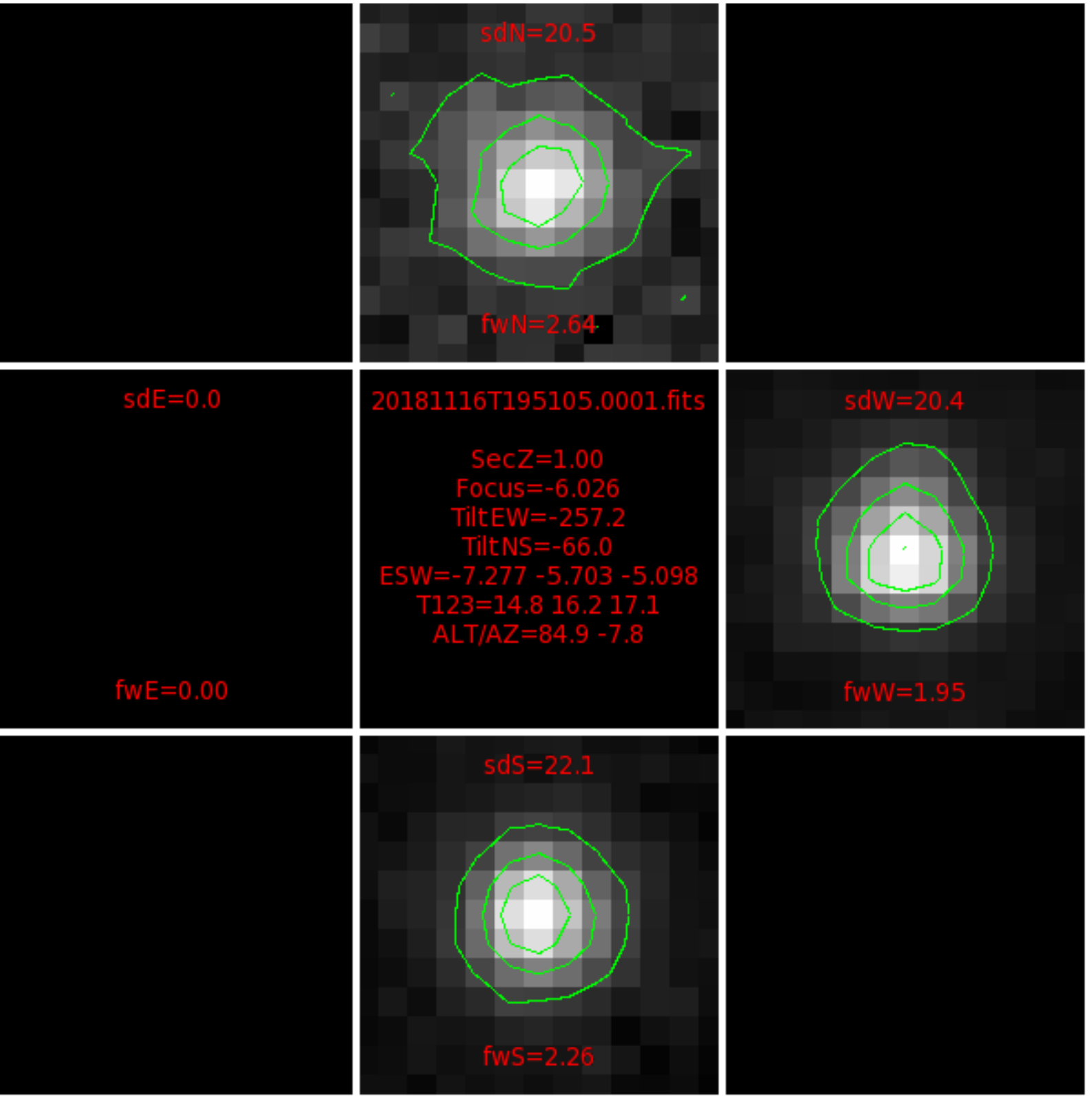

sdN=40.7
fwN=3.21
sdE=0.0
fwE=0.00
20181116T194522.0001.fits
SecZ=1.03
Focus=-6.019
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.270 -5.696 -5.091
T123=14.9 16.3 17.3
ALT/AZ=76.1 -140.6
sdW=32.5
fwW=3.16
sdS=90.1
fwS=3.57
0 0 0 0 0 0 0 0 0

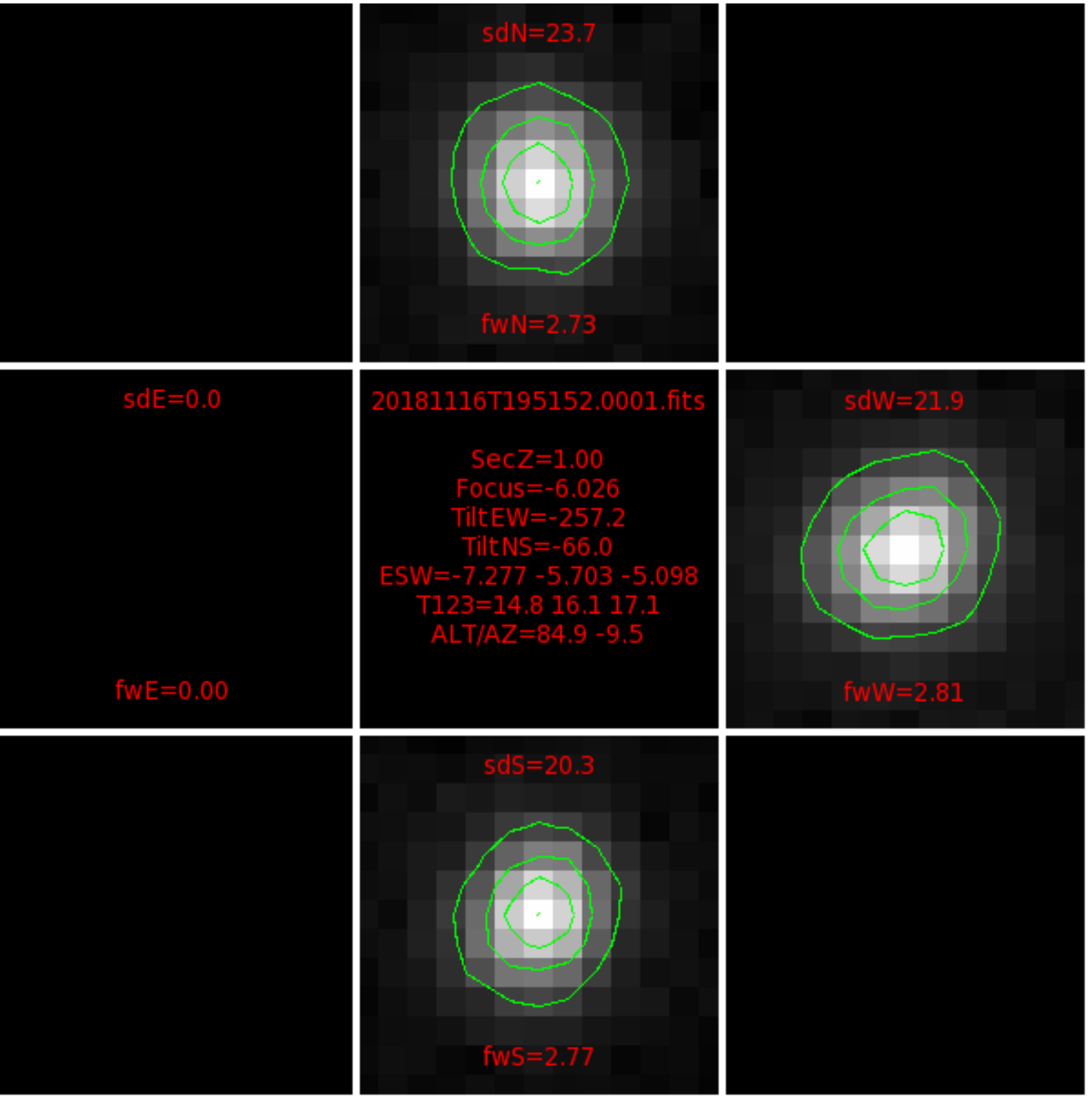

sdN=22.3
fwN=2.27
sdE=0.0
fwE=0.00
20181116T194647.0001.fits
SecZ=1.03
Focus=-6.019
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.270 -5.696 -5.091
T123=14.8 16.2 17.3
ALT/AZ=75.9 -139.5
sdW=19.6
fwW=2.31
sdS=76.7
fwS=2.41
0 0 0 0 0 0 0 0 0

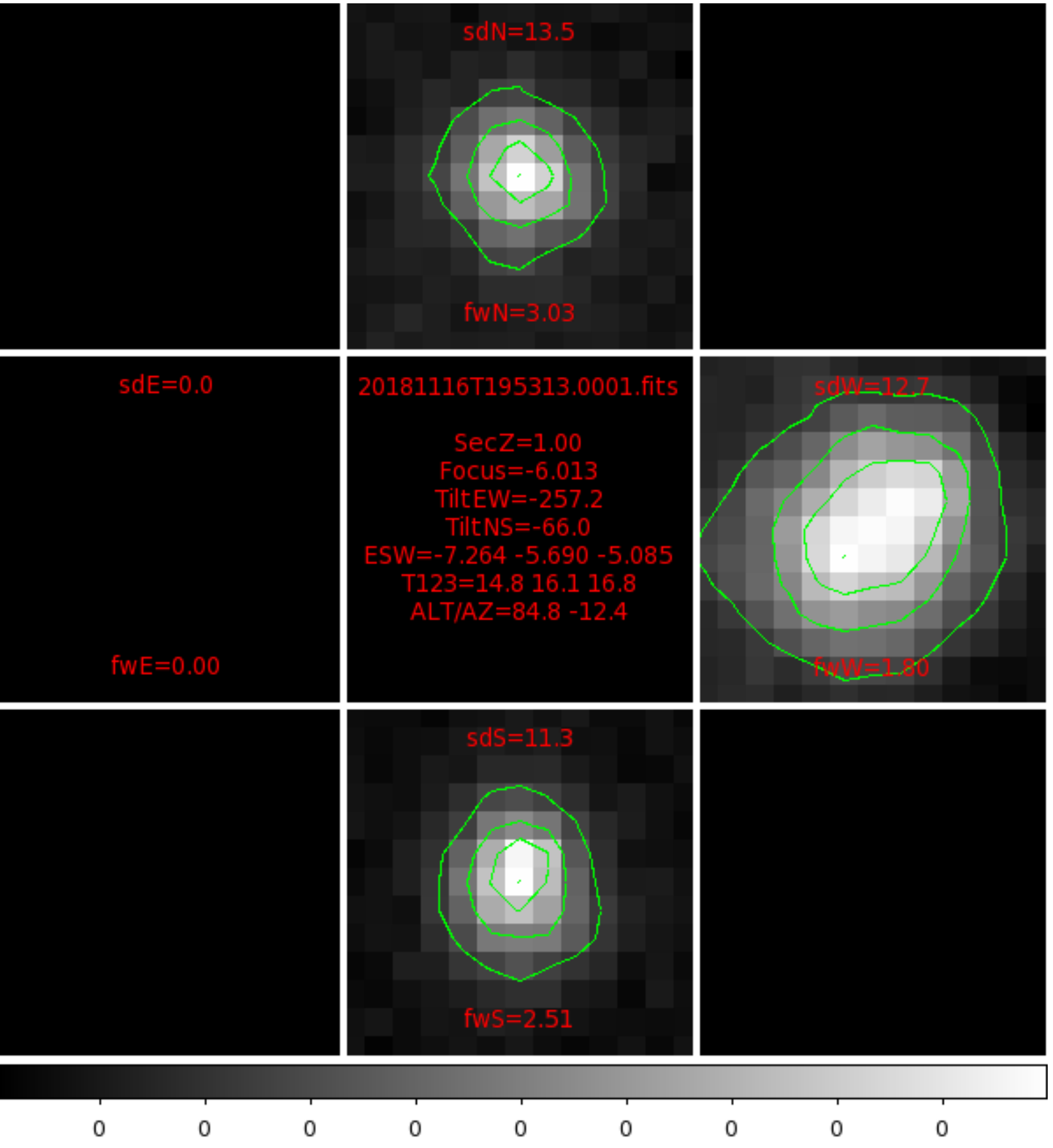

sdN=59.8
fwN=2.43
sdE=0.0
fwE=0.00
20181116T194734.0001.fits
SecZ=1.03
Focus=-6.026
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.277 -5.703 -5.098
T123=14.8 16.2 17.3
ALT/AZ=75.8 -138.9
sdW=50.6
fwW=2.44
sdS=175.6
fwS=2.30
0 0 0 0 0 0 0 0 0

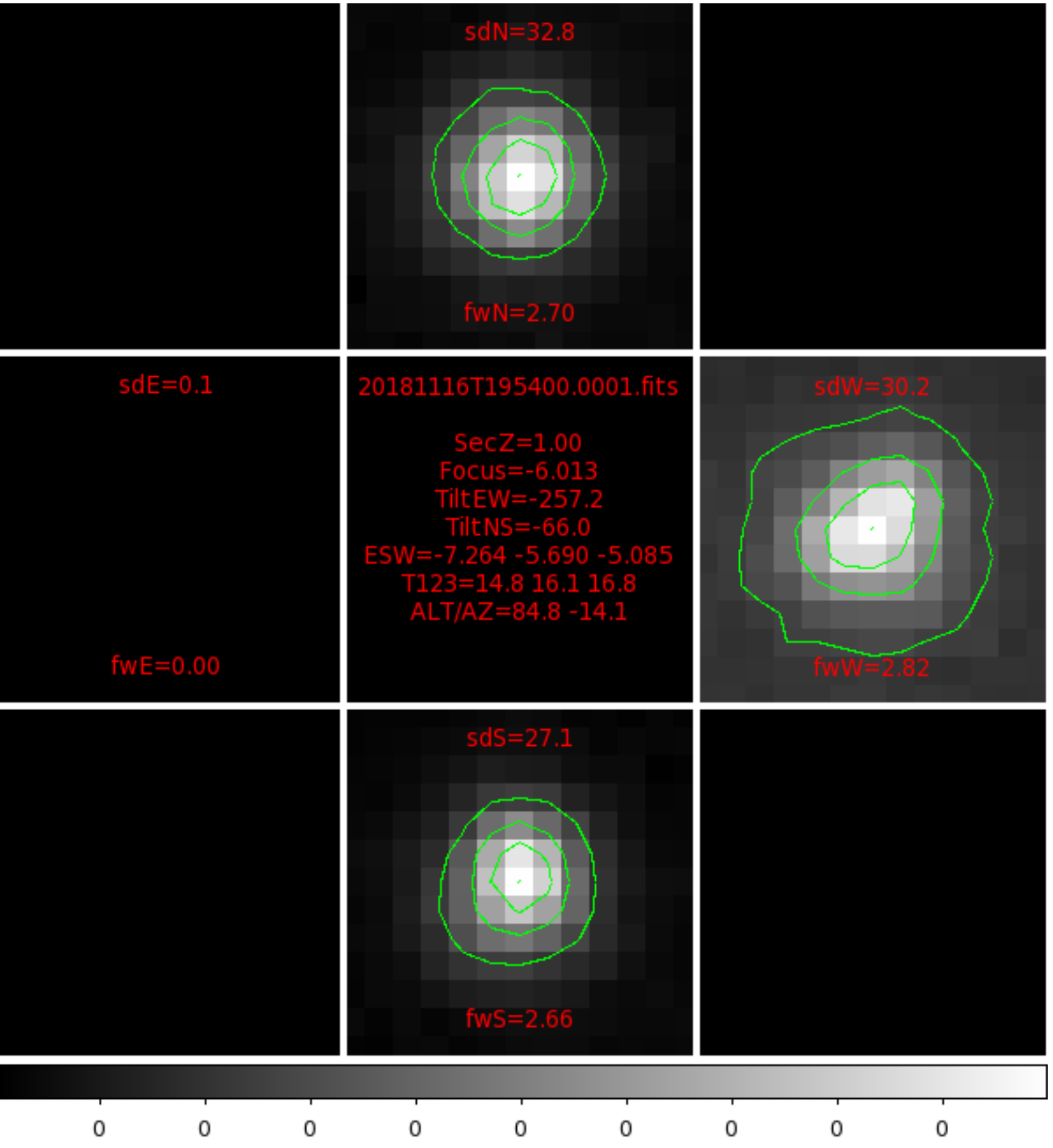

sdN=47.5
fwN=2.16
sdE=0.0
fwE=0.00
20181116T194855.0001.fits
SecZ=1.03
Focus=-6.026
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.277 -5.703 -5.098
T123=14.8 16.3 17.3
ALT/AZ=75.6 -137.9
sdW=38.9
fwW=2.24
sdS=74.5
fwS=2.28
0 0 0 0 0 0 0 0 0

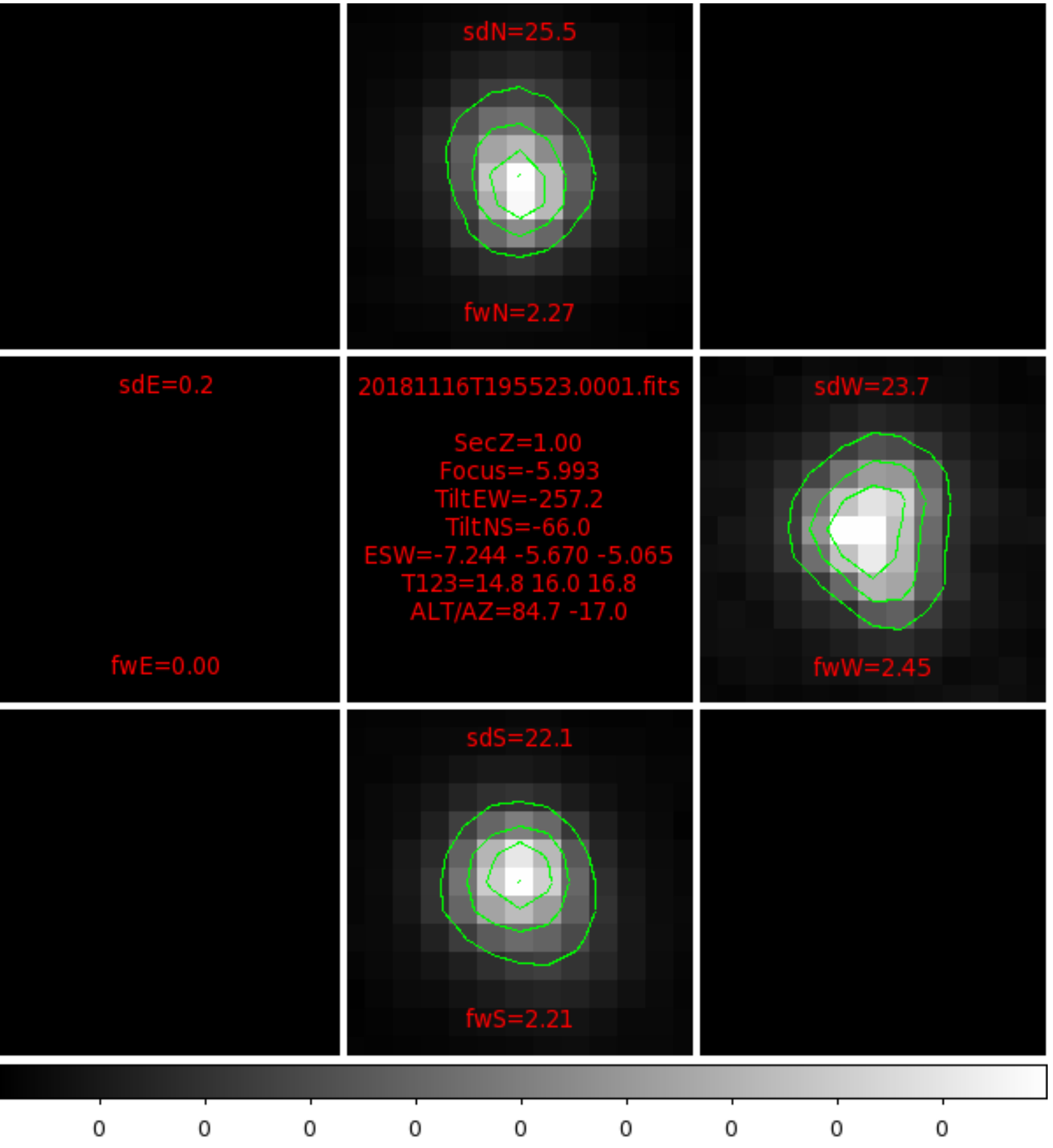

sdN=142.7
fwN=2.24
sdE=0.1
fwE=1.41
20181116T194941.0001.fits
SecZ=1.03
Focus=-6.026
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.277 -5.703 -5.098
T123=14.8 16.2 17.3
ALT/AZ=75.5 -137.3
fwAVG=2.06
sdW=123.4
fwW=2.30
sdS=306.5
fwS=2.21
0 0 0 0 0 0 0 0 0

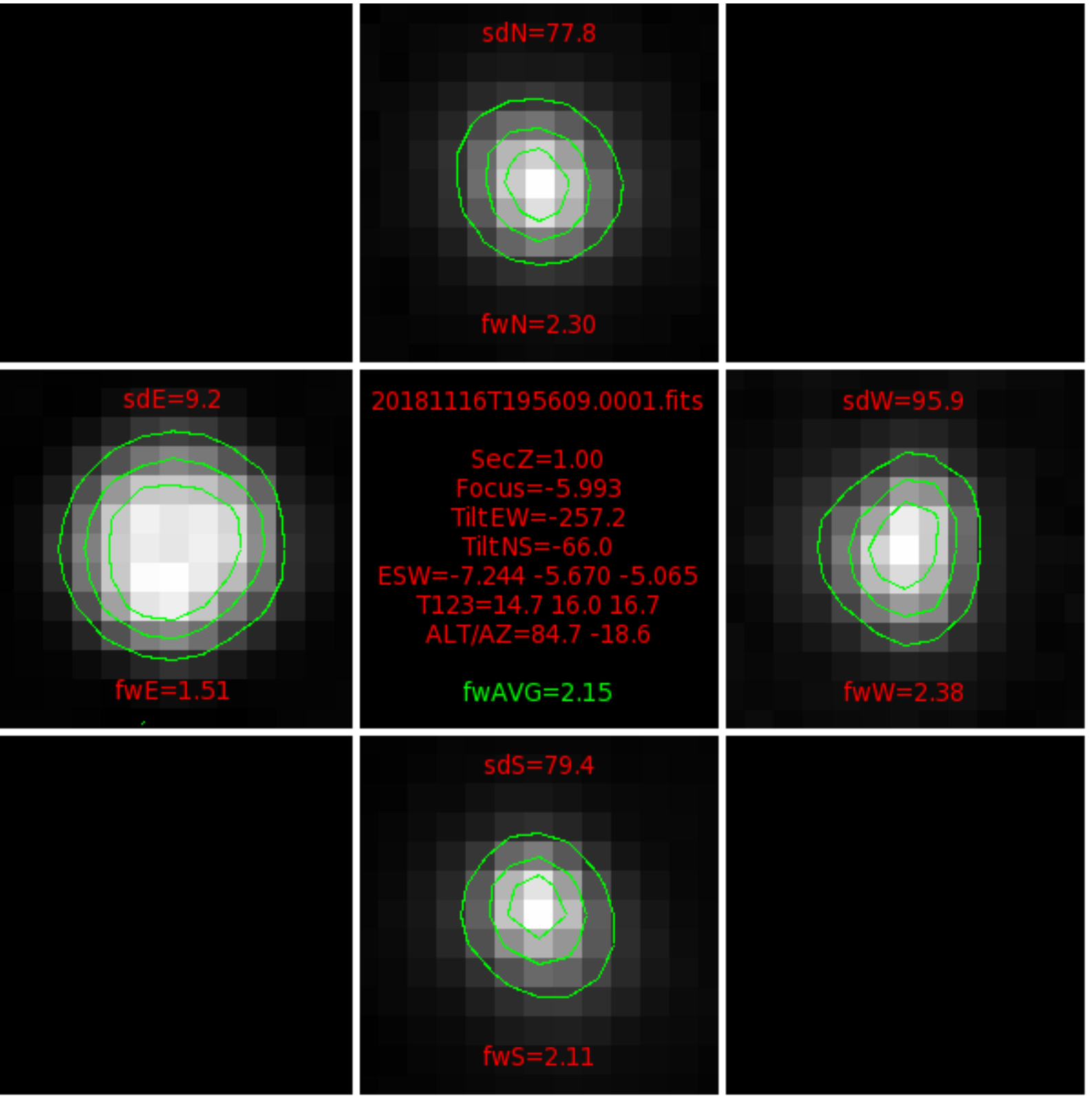

sdN=20.5
fwN=2.64
sdE=0.0
fwE=0.00
20181116T195105.0001.fits
SecZ=1.00
Focus=-6.026
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.277 -5.703 -5.098
T123=14.8 16.2 17.1
ALT/AZ=84.9 -7.8
sdW=20.4
fwW=1.95
sdS=22.1
fwS=2.26
0 0 0 0 0 0 0 0 0

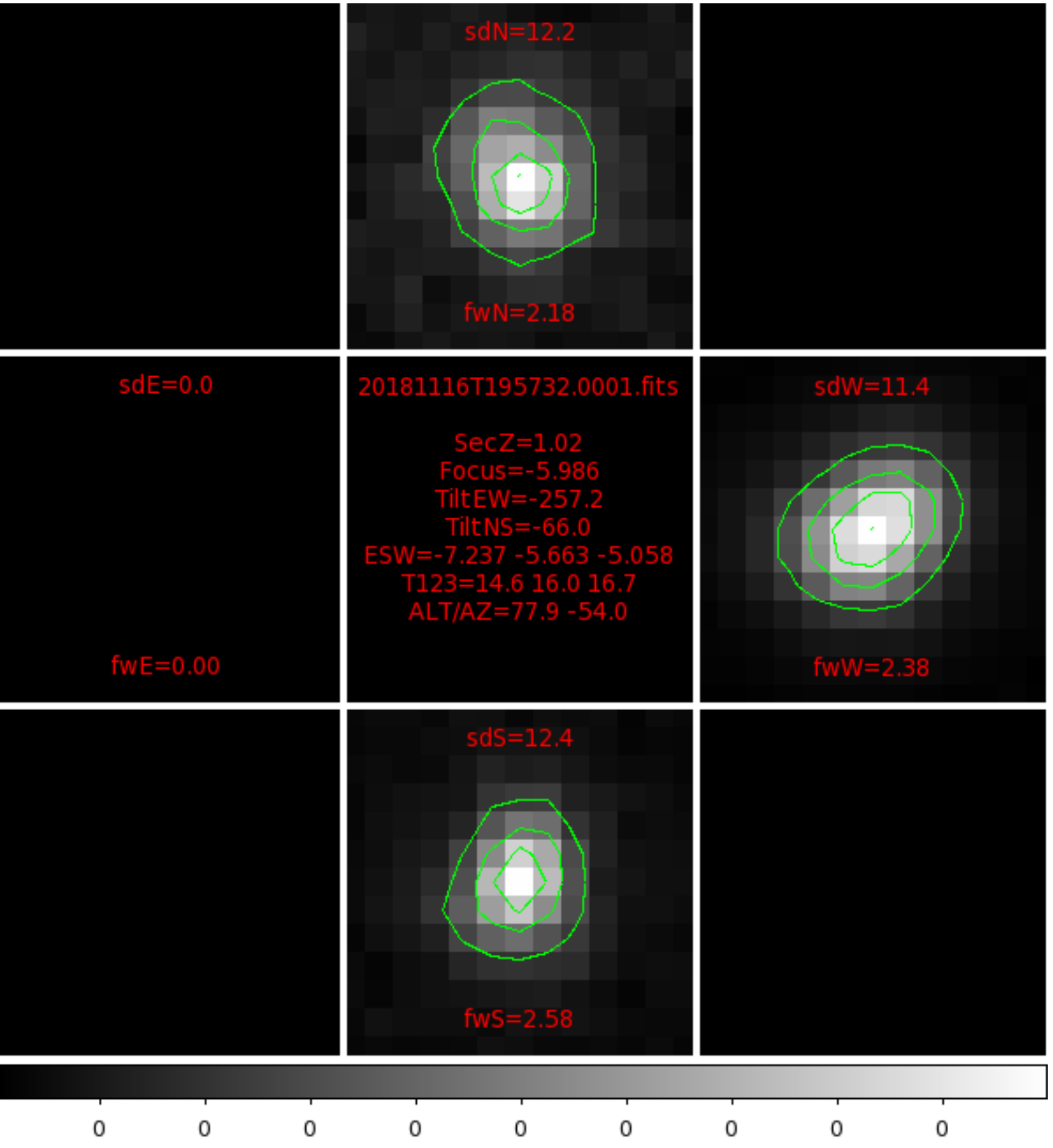

sdN=23.7
fwN=2.73
sdE=0.0
fwE=0.00
20181116T195152.0001.fits
SecZ=1.00
Focus=-6.026
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.277 -5.703 -5.098
T123=14.8 16.1 17.1
ALT/AZ=84.9 -9.5
sdW=21.9
fwW=2.81
sdS=20.3
fwS=2.77
0 0 0 0 0 0 0 0 0

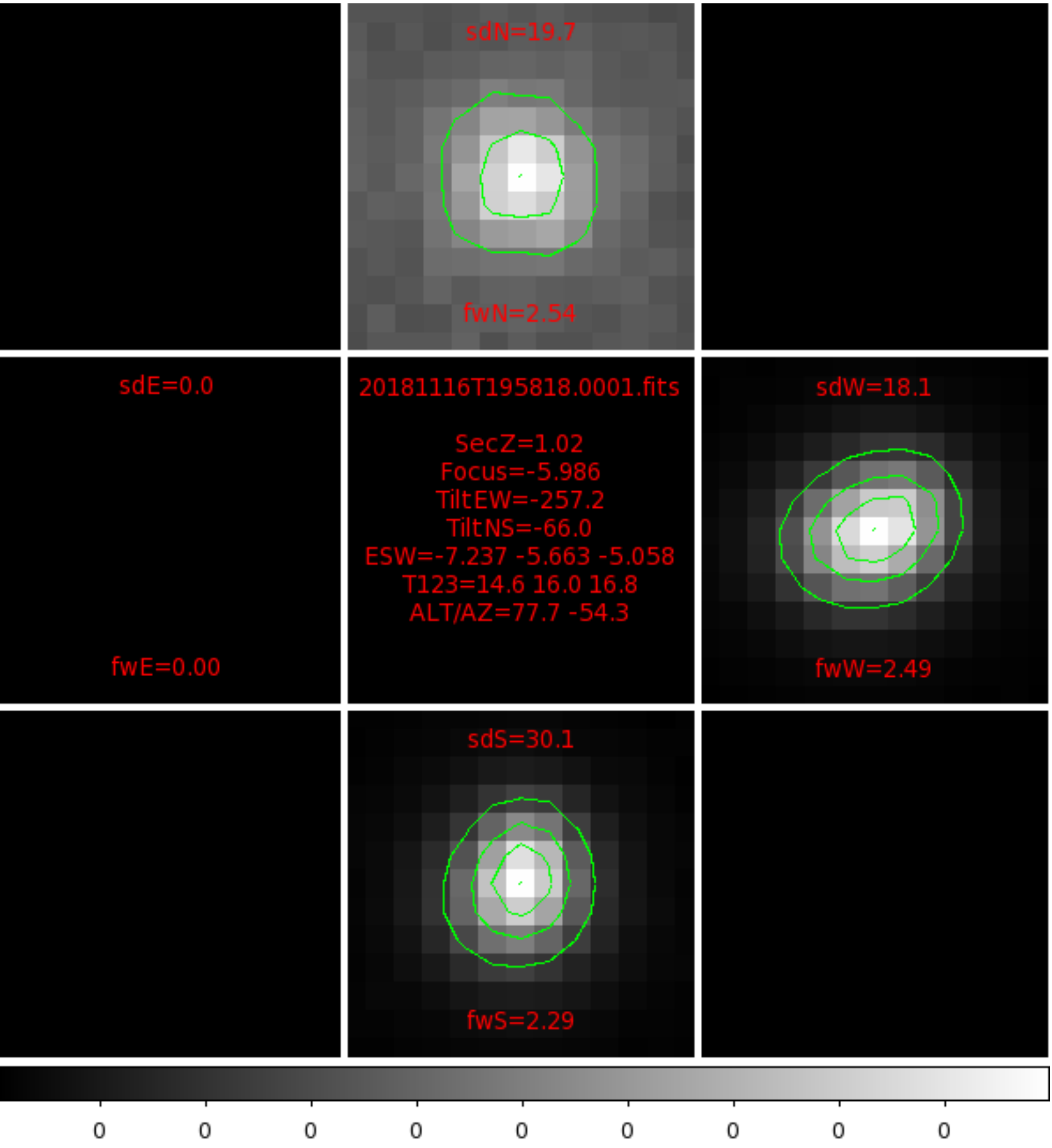

sdN=13.5
fwN=3.03
sdE=0.0
fwE=0.00
20181116T195313.0001.fits
SecZ=1.00
Focus=-6.013
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.264 -5.690 -5.085
T123=14.8 16.1 16.8
ALT/AZ=84.8 -12.4
sdW=12.7
fwW=1.80
sdS=11.3
fwS=2.51
0 0 0 0 0 0 0 0 0

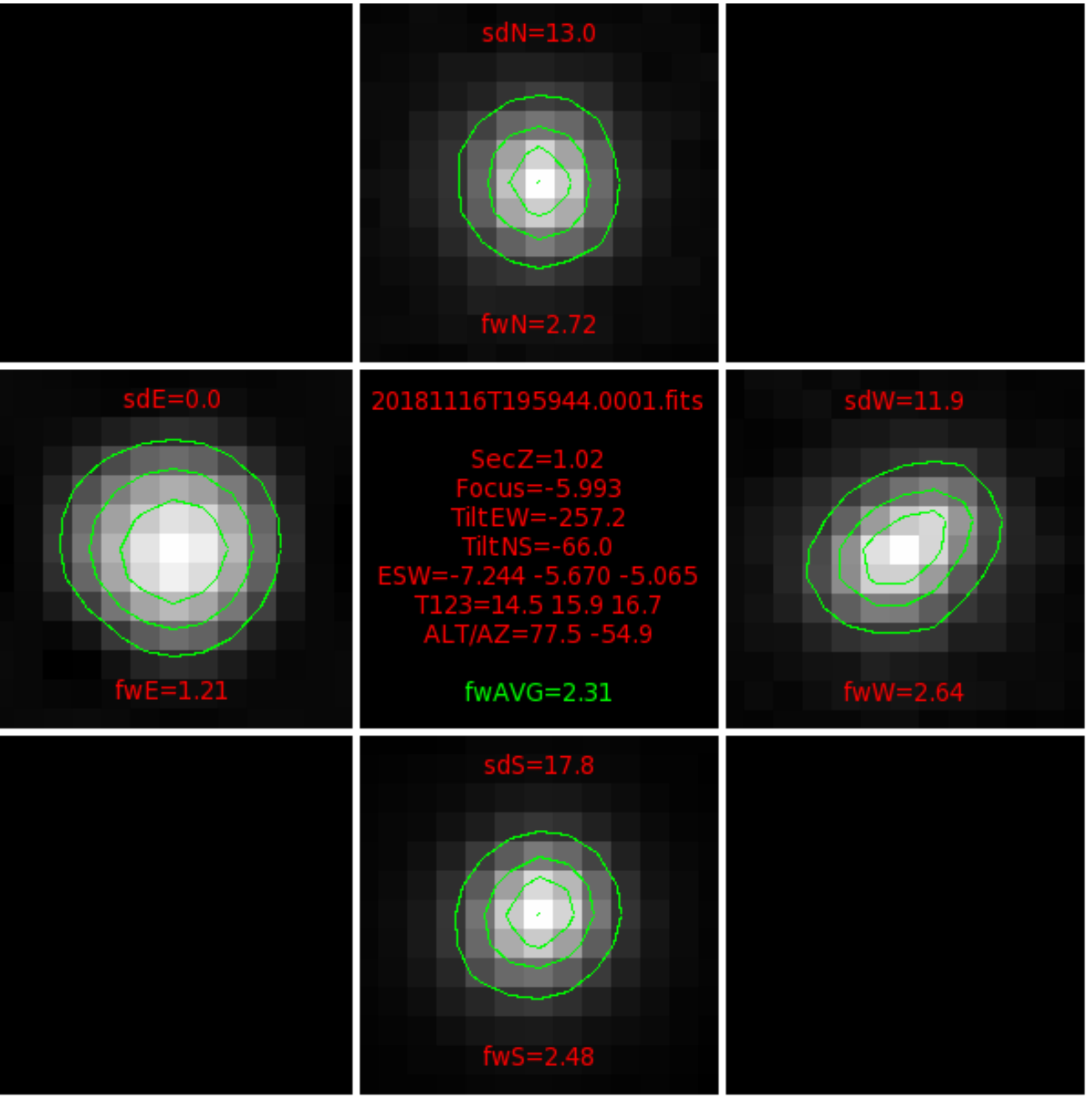

sdN=32.8
fwN=2.70
sdE=0.1
fwE=0.00
20181116T195400.0001.fits
SecZ=1.00
Focus=-6.013
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.264 -5.690 -5.085
T123=14.8 16.1 16.8
ALT/AZ=84.8 -14.1
sdW=30.2
fwW=2.82
sdS=27.1
fwS=2.66
0 0 0 0 0 0 0 0 0

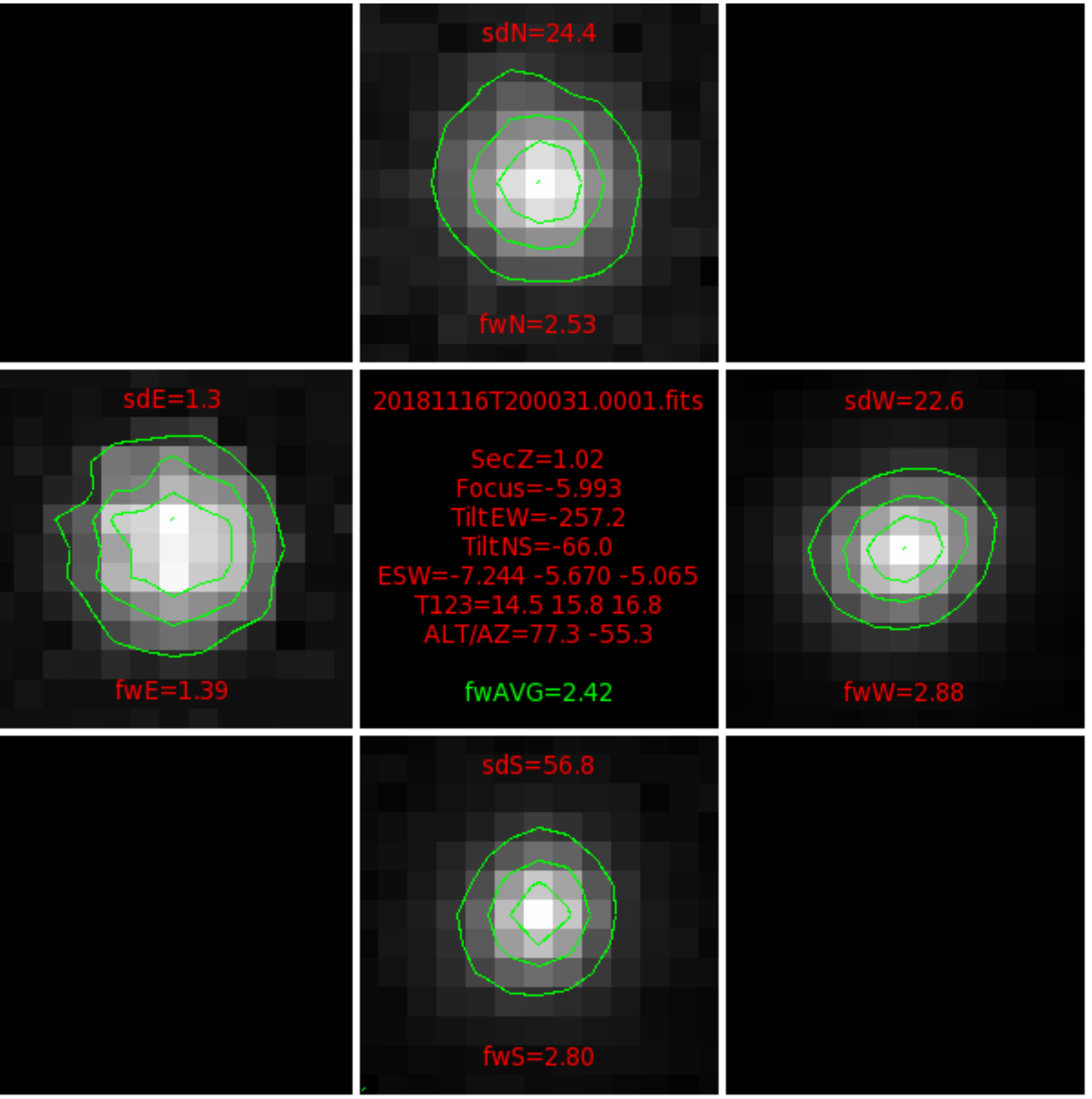

sdN=25.5
fwN=2.27
sdE=0.2
fwE=0.00
20181116T195523.0001.fits
SecZ=1.00
Focus=-5.993
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.244 -5.670 -5.065
T123=14.8 16.0 16.8
ALT/AZ=84.7 -17.0
sdW=23.7
fwW=2.45
sdS=22.1
fwS=2.21
0 0 0 0 0 0 0 0 0

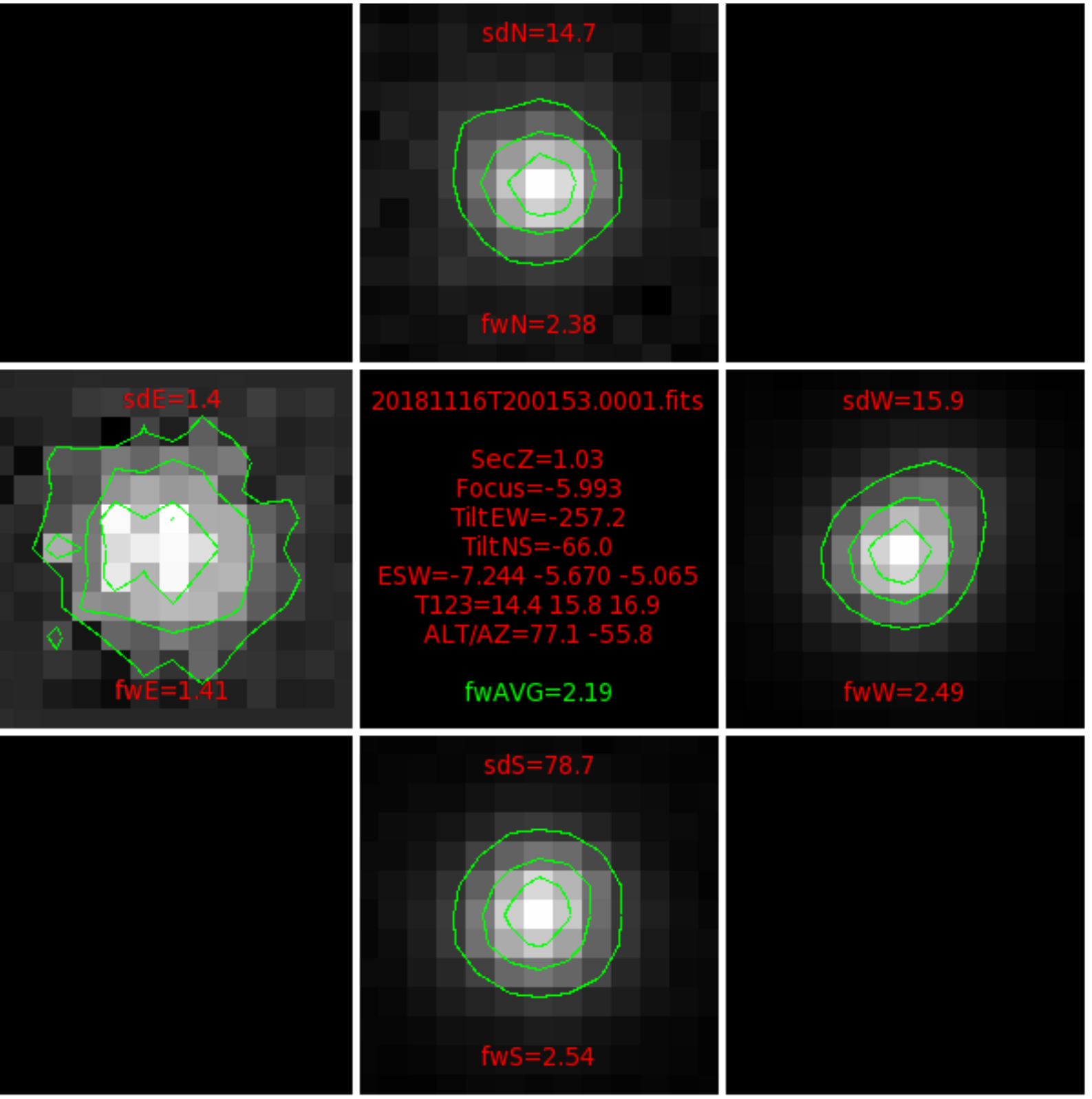

sdN=77.8
fwN=2.30
sdE=9.2
fwE=1.51
20181116T195609.0001.fits
SecZ=1.00
Focus=-5.993
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.244 -5.670 -5.065
T123=14.7 16.0 16.7
ALT/AZ=84.7 -18.6
fwAVG=2.15
sdW=95.9
fwW=2.38
sdS=79.4
fwS=2.11
0 0 0 0 0 0 0 0 0

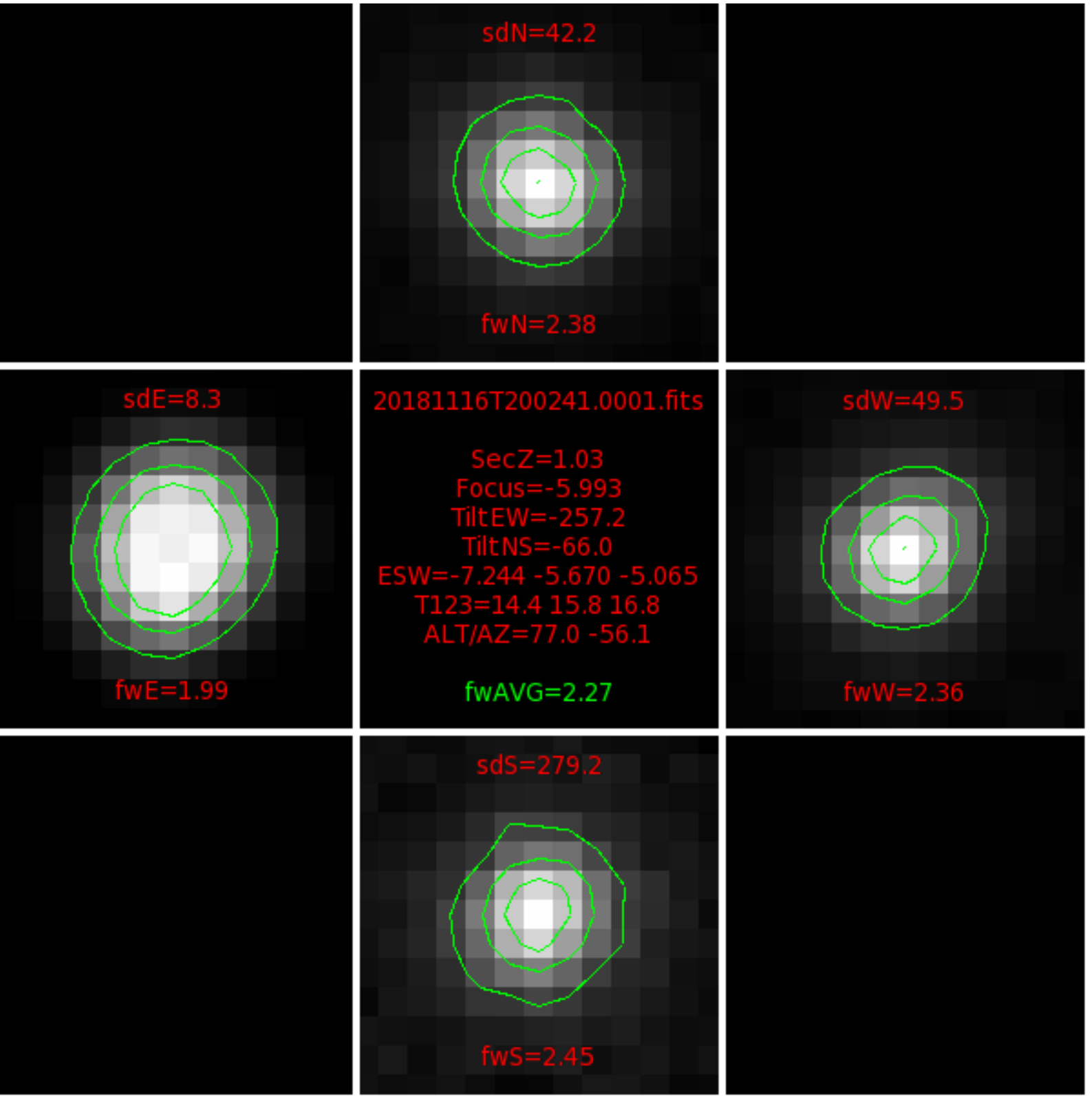

sdN=12.2
fwN=2.18
sdE=0.0
fwE=0.00
20181116T195732.0001.fits
SecZ=1.02
Focus=-5.986
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.237 -5.663 -5.058
T123=14.6 16.0 16.7
ALT/AZ=77.9 -54.0
sdW=11.4
fwW=2.38
sdS=12.4
fwS=2.58
0 0 0 0 0 0 0 0 0

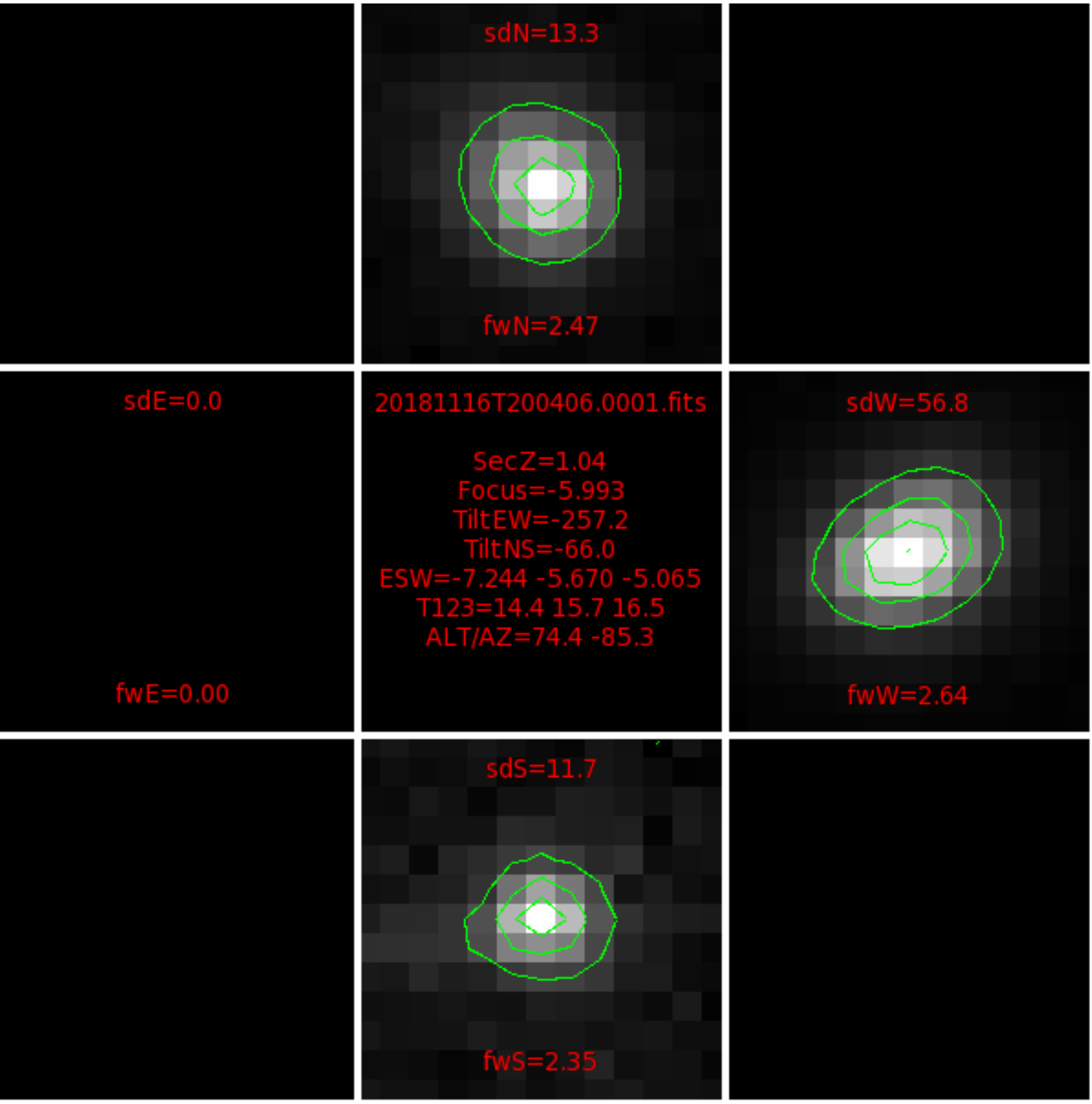

sdN=19.7
fwN=2.54
sdE=0.0
fwE=0.00
20181116T195818.0001.fits
SecZ=1.02
Focus=-5.986
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.237 -5.663 -5.058
T123=14.6 16.0 16.8
ALT/AZ=77.7 -54.3
sdW=18.1
fwW=2.49
sdS=30.1
fwS=2.29
0 0 0 0 0 0 0 0 0

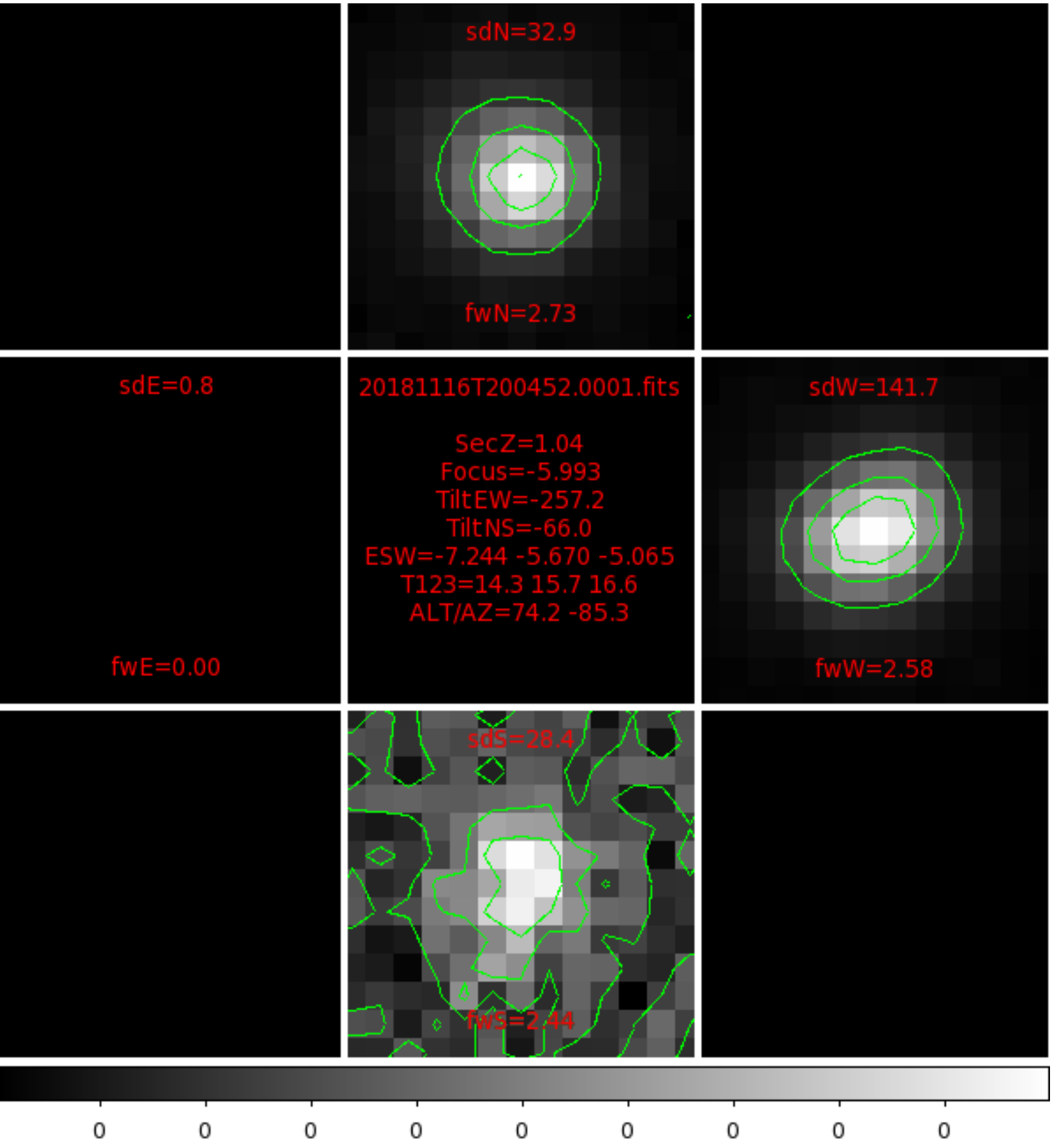

sdN=13.0
fwN=2.72
sdE=0.0
fwE=1.21
20181116T195944.0001.fits
SecZ=1.02
Focus=-5.993
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.244 -5.670 -5.065
T123=14.5 15.9 16.7
ALT/AZ=77.5 -54.9
fwAVG=2.31
sdW=11.9
fwW=2.64
sdS=17.8
fwS=2.48
0 0 0 0 0 0 0 0 0

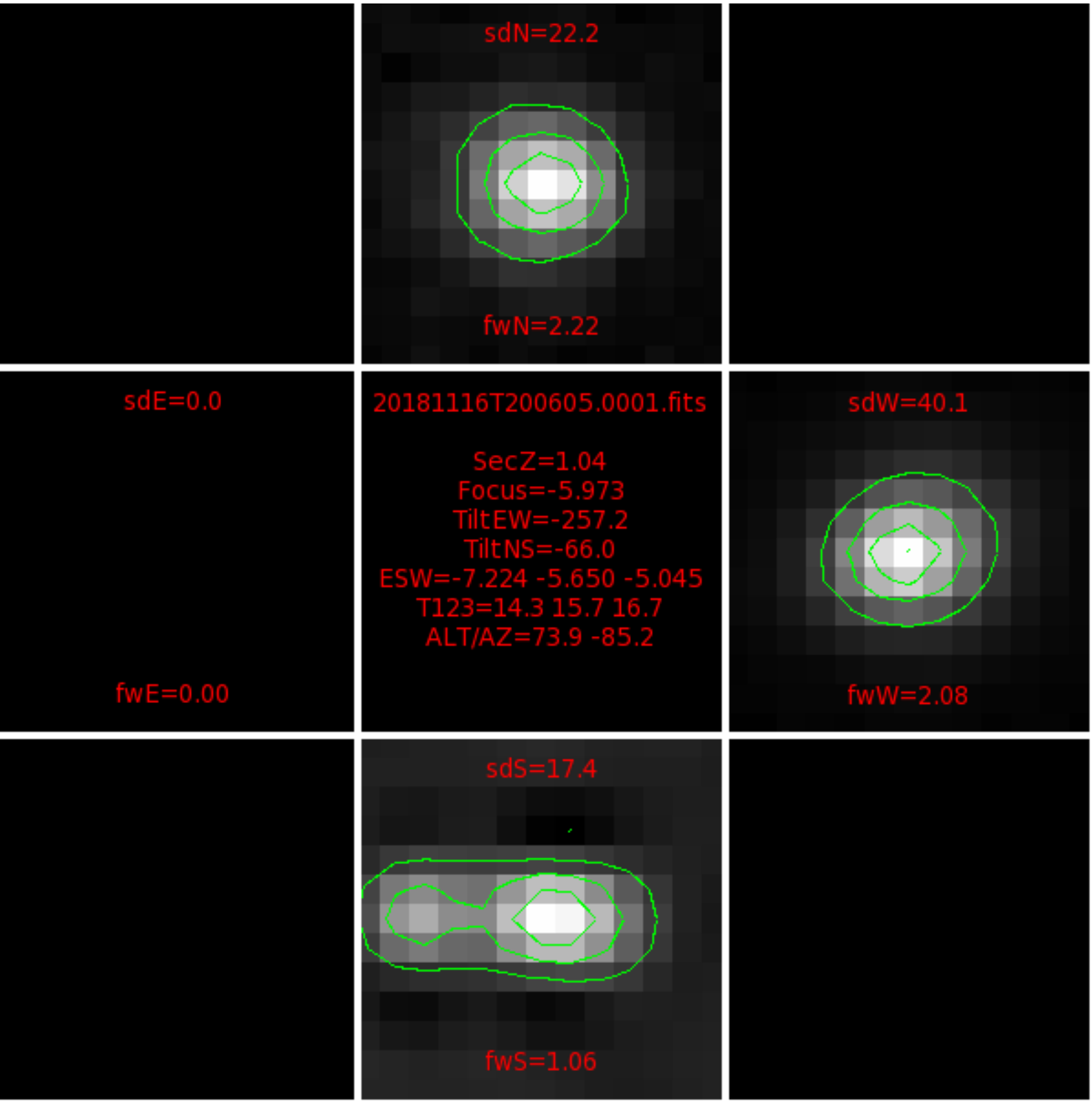

sdN=24.4
fwN=2.53
sdE=1.3
fwE=1.39
20181116T200031.0001.fits
SecZ=1.02
Focus=-5.993
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.244 -5.670 -5.065
T123=14.5 15.8 16.8
ALT/AZ=77.3 -55.3
fwAVG=2.42
sdW=22.6
fwW=2.88
sdS=56.8
fwS=2.80
0 0 0 0 0 0 0 0 0

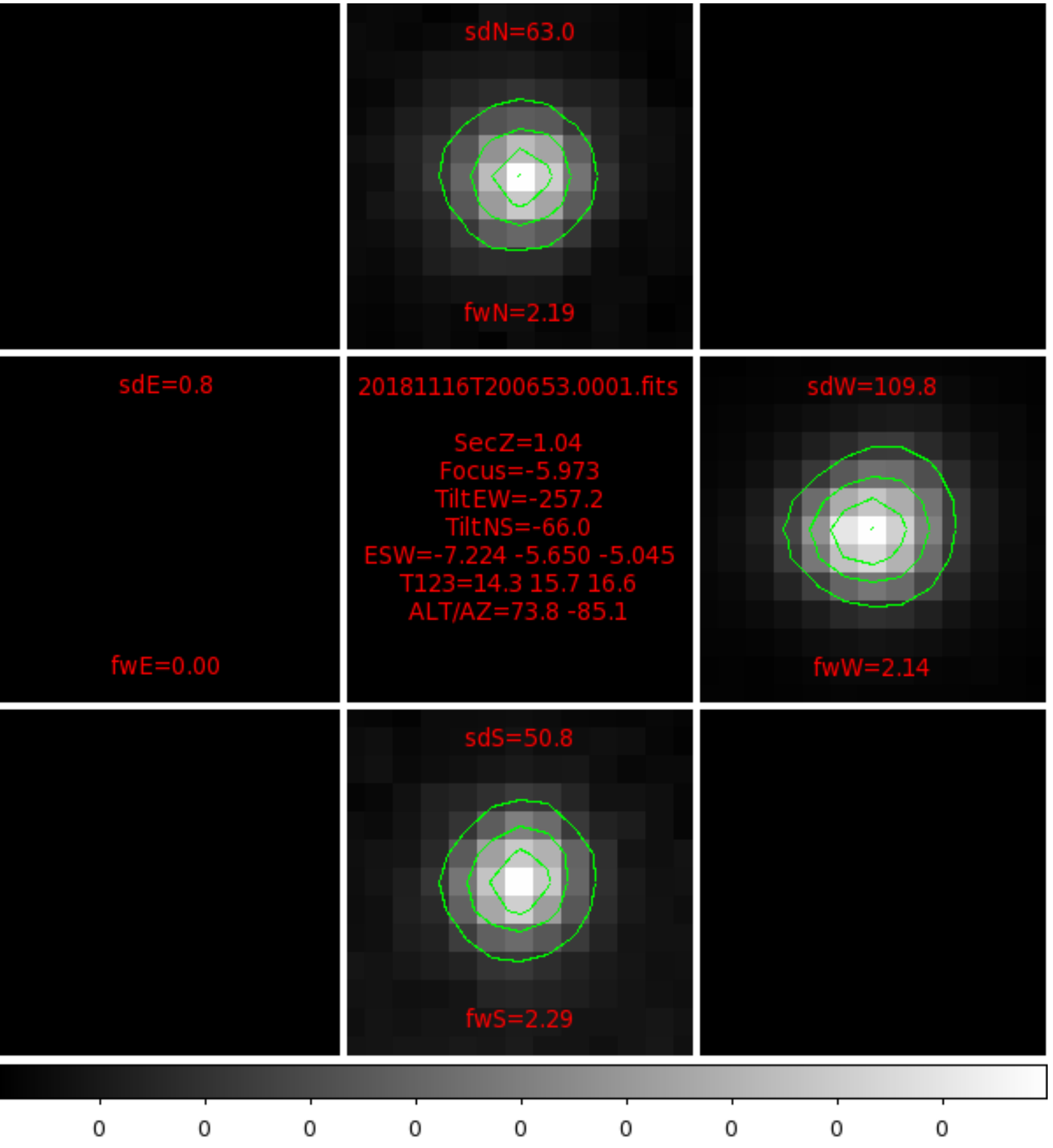

sdN=14.7
fwN=2.38
sdE=1.4
fwE=1.41
20181116T200153.0001.fits
SecZ=1.03
Focus=-5.993
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.244 -5.670 -5.065
T123=14.4 15.8 16.9
ALT/AZ=77.1 -55.8
fwAVG=2.19
sdW=15.9
fwW=2.49
sdS=78.7
fwS=2.54
0 0 0 0 0 0 0 0 0

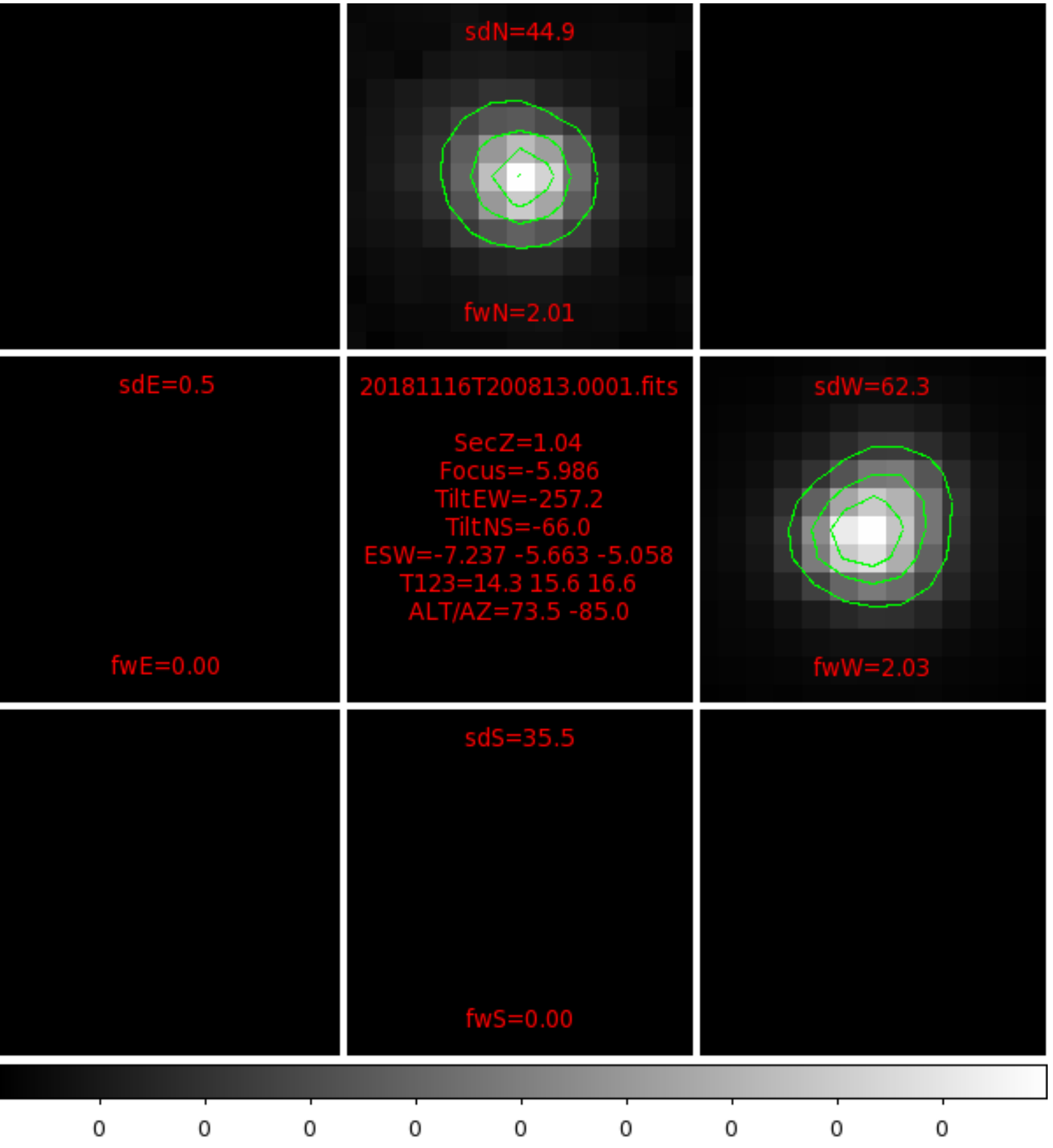

sdN=42.2
fwN=2.38
sdE=8.3
fwE=1.99
20181116T200241.0001.fits
SecZ=1.03
Focus=-5.993
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.244 -5.670 -5.065
T123=14.4 15.8 16.8
ALT/AZ=77.0 -56.1
fwAVG=2.27
sdW=49.5
fwW=2.36
sdS=279.2
fwS=2.45
0 0 0 0 0 0 0 0 0

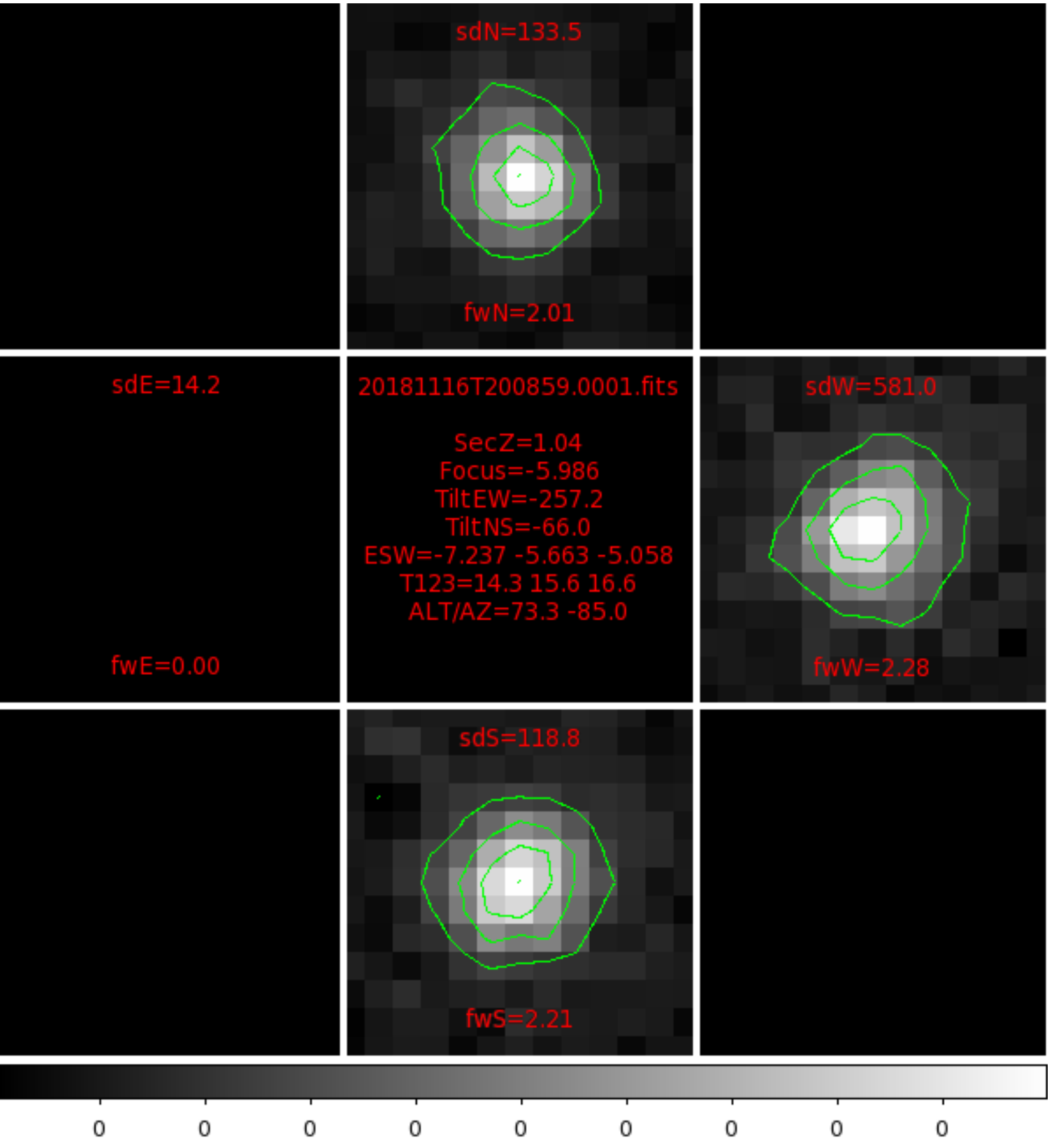

sdN=13.3
fwN=2.47
sdE=0.0
fwE=0.00
20181116T200406.0001.fits
SecZ=1.04
Focus=-5.993
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.244 -5.670 -5.065
T123=14.4 15.7 16.5
ALT/AZ=74.4 -85.3
sdW=56.8
fwW=2.64
sdS=11.7
fwS=2.35
0 0 0 0 0 0 0 0 0

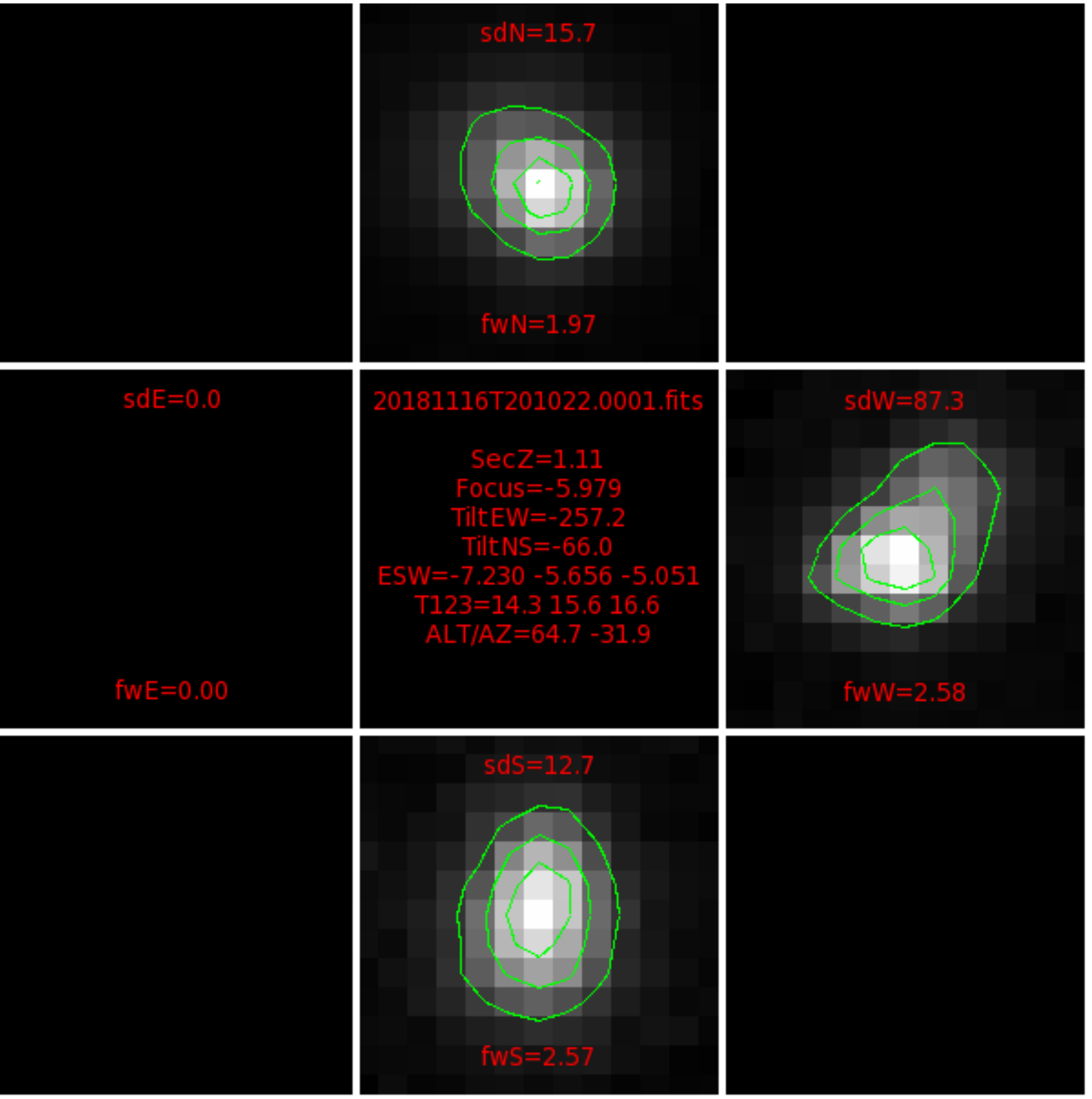

sdN=32.9
fwN=2.73
sdE=0.8
fwE=0.00
20181116T200452.0001.fits
SecZ=1.04
Focus=-5.993
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.244 -5.670 -5.065
T123=14.3 15.7 16.6
ALT/AZ=74.2 -85.3
sdW=141.7
fwW=2.58
sdS=28.4
fwS=2.44
0 0 0 0 0 0 0 0 0

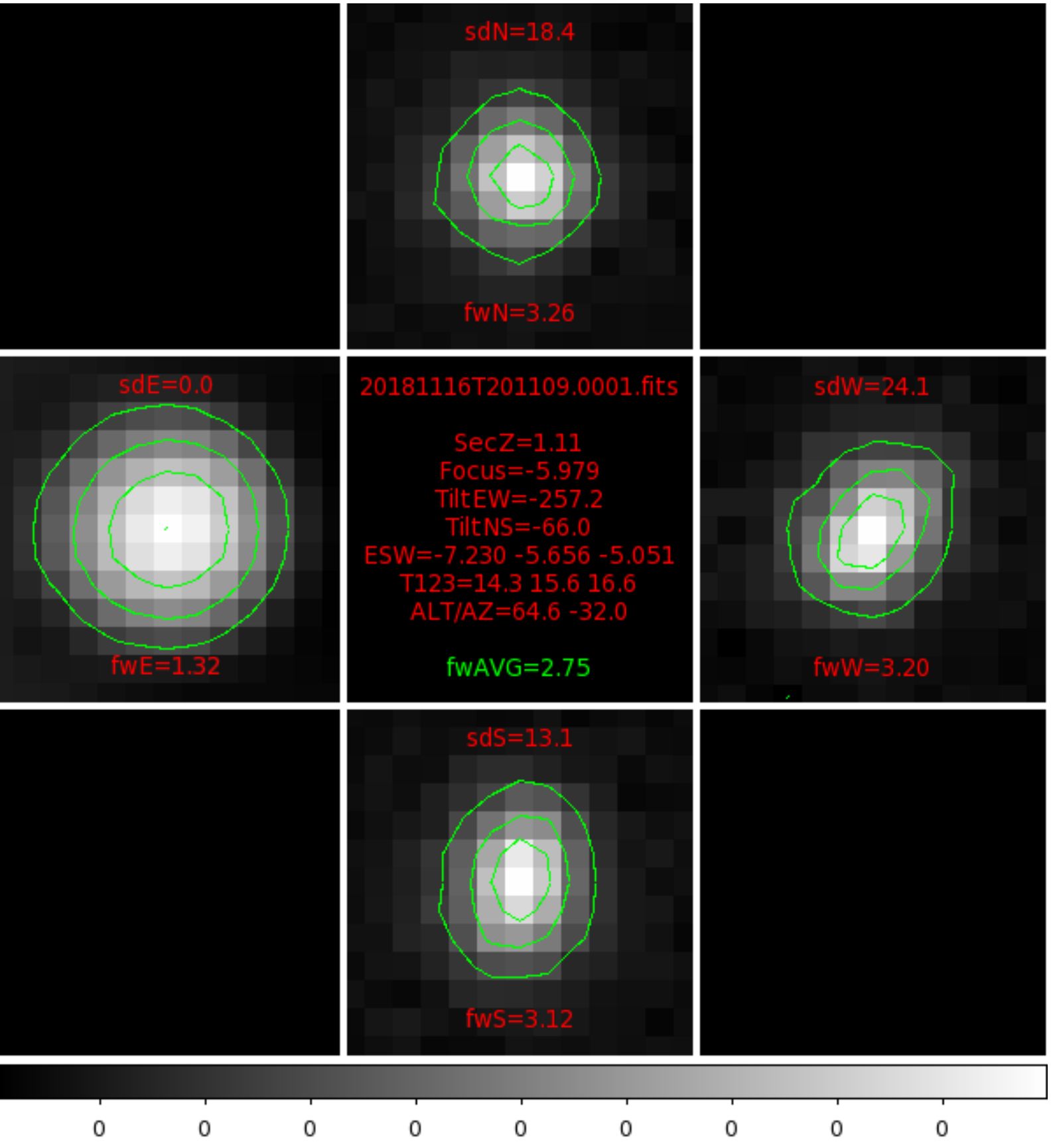

sdN=22.2
fwN=2.22
sdE=0.0
fwE=0.00
20181116T200605.0001.fits
SecZ=1.04
Focus=-5.973
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.224 -5.650 -5.045
T123=14.3 15.7 16.7
ALT/AZ=73.9 -85.2
sdW=40.1
fwW=2.08
sdS=17.4
fwS=1.06
0 0 0 0 0 0 0 0 0

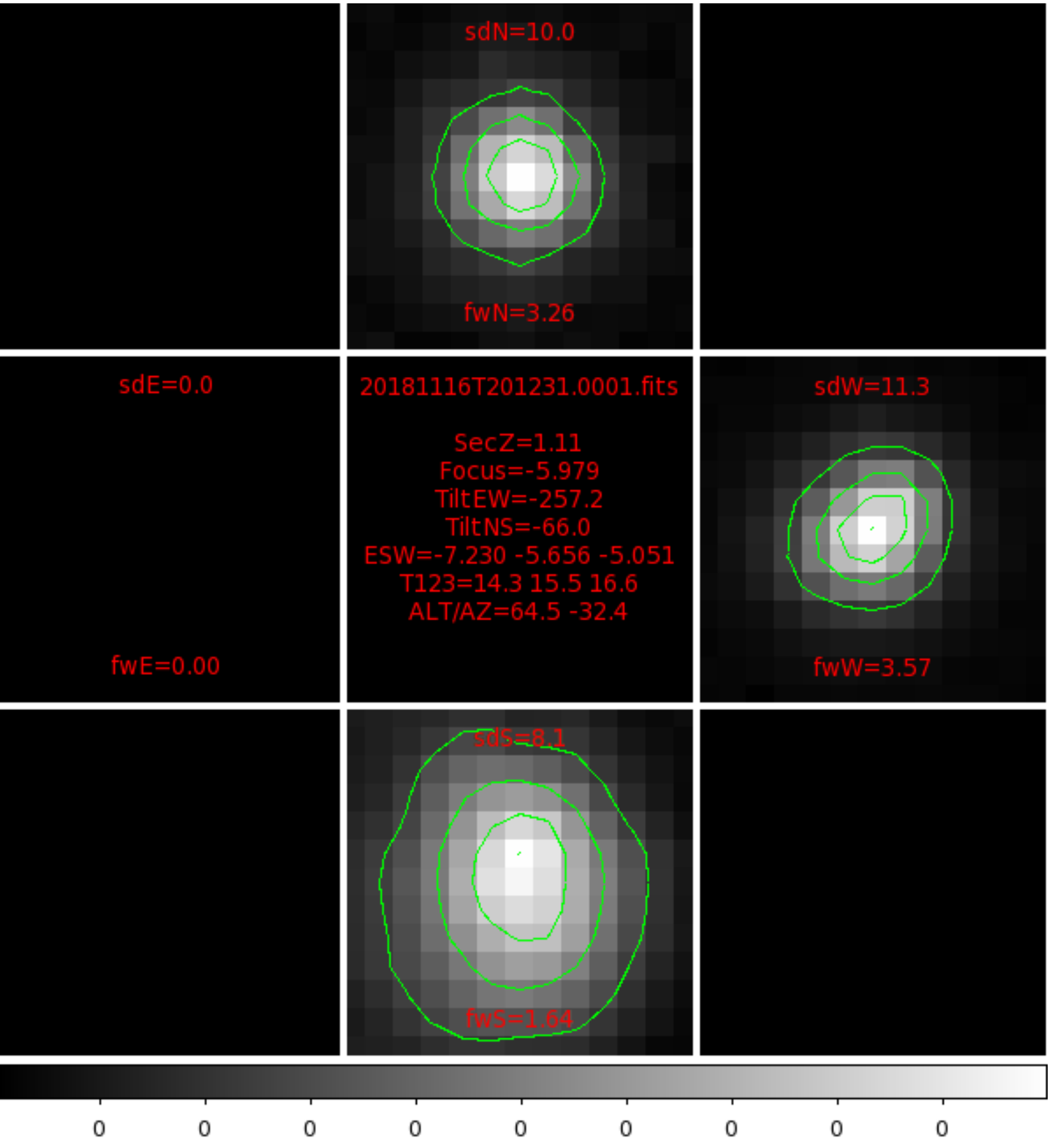

sdN=63.0
fwN=2.19
sdE=0.8
fwE=0.00
20181116T200653.0001.fits
SecZ=1.04
Focus=-5.973
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.224 -5.650 -5.045
T123=14.3 15.7 16.6
ALT/AZ=73.8 -85.1
sdW=109.8
fwW=2.14
sdS=50.8
fwS=2.29
0 0 0 0 0 0 0 0 0

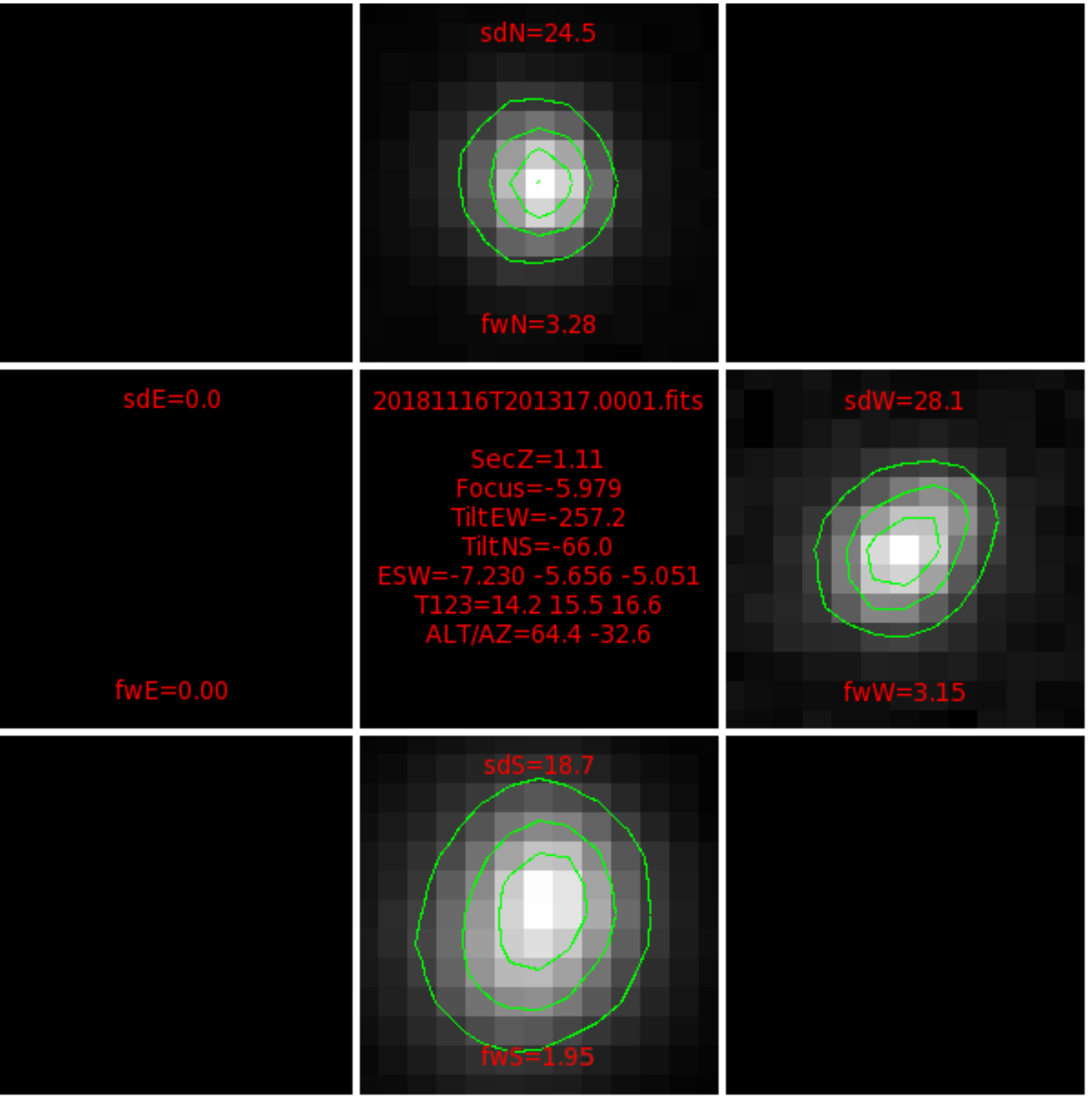

sdN=44.9
fwN=2.01
sdE=0.5
fwE=0.00
20181116T200813.0001.fits
SecZ=1.04
Focus=-5.986
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.237 -5.663 -5.058
T123=14.3 15.6 16.6
ALT/AZ=73.5 -85.0
sdW=62.3
fwW=2.03
sdS=35.5
fwS=0.00
0 0 0 0 0 0 0 0 0

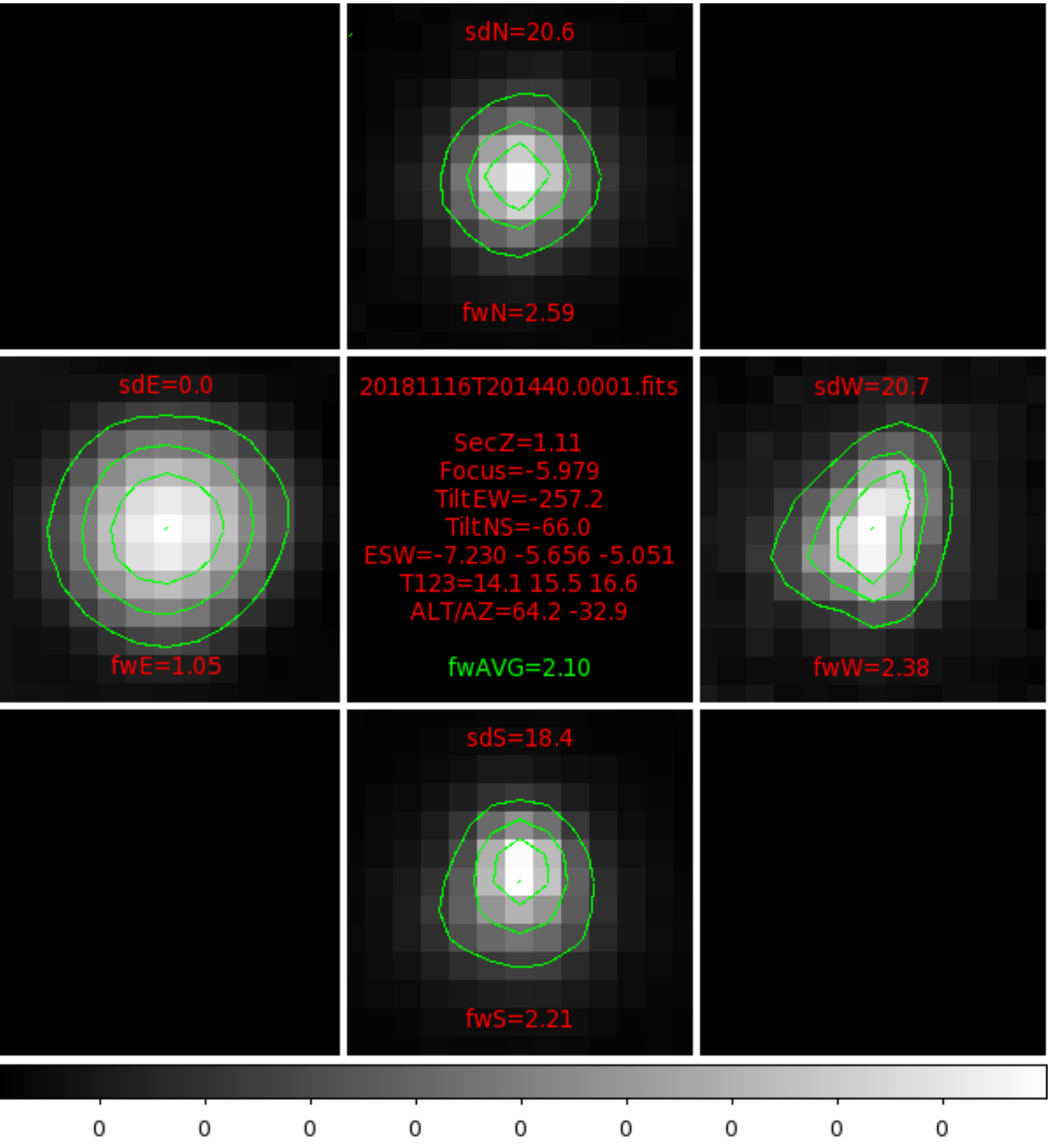

sdN=133.5
fwN=2.01
sdE=14.2
fwE=0.00
20181116T200859.0001.fits
SecZ=1.04
Focus=-5.986
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.237 -5.663 -5.058
T123=14.3 15.6 16.6
ALT/AZ=73.3 -85.0
sdW=581.0
fwW=2.28
sdS=118.8
fwS=2.21
0 0 0 0 0 0 0 0 0

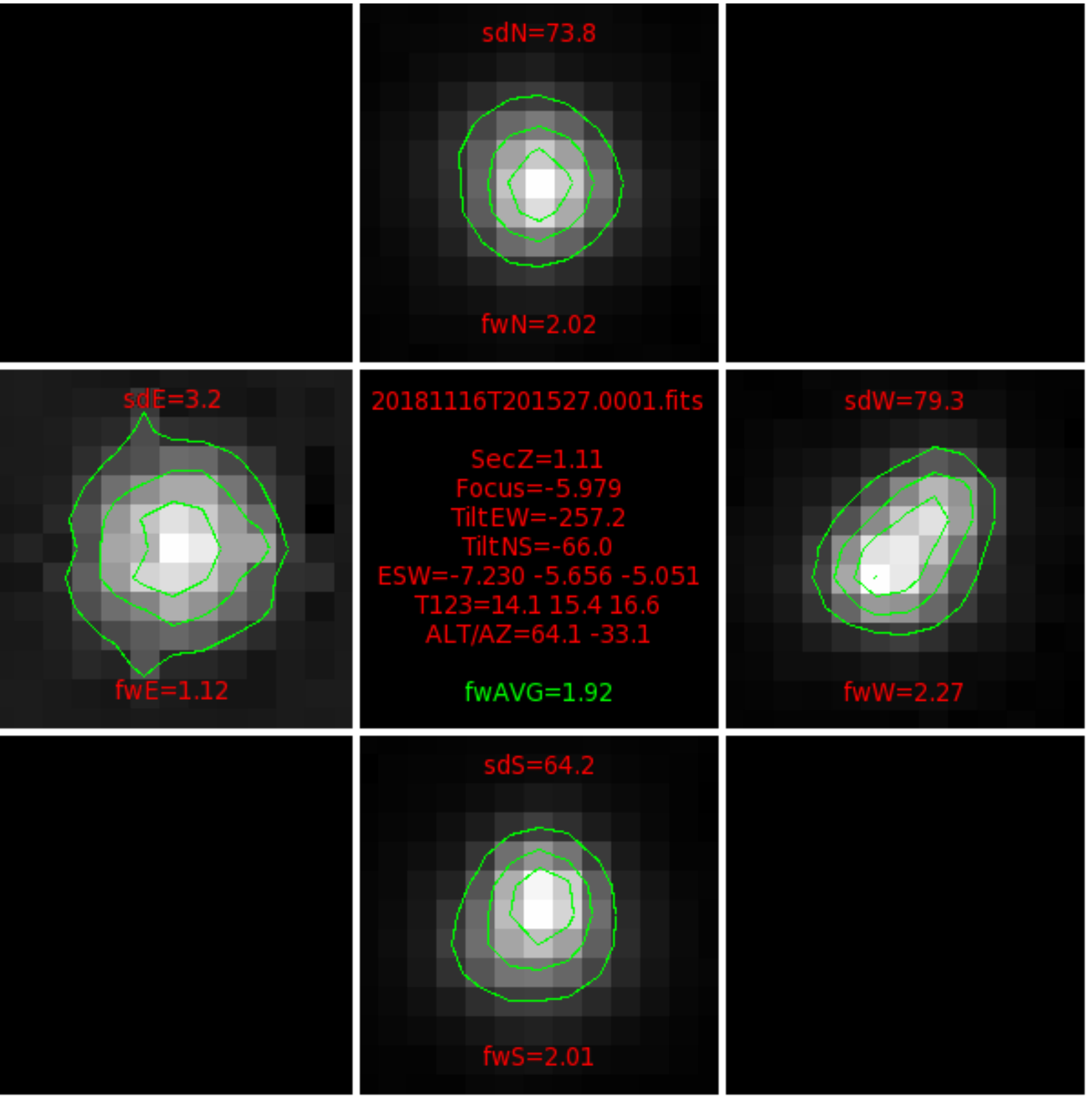

sdN=15.7
fwN=1.97
sdE=0.0
fwE=0.00
20181116T201022.0001.fits
SecZ=1.11
Focus=-5.979
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.230 -5.656 -5.051
T123=14.3 15.6 16.6
ALT/AZ=64.7 -31.9
sdW=87.3
fwW=2.58
sdS=12.7
fwS=2.57
0 0 0 0 0 0 0 0 0

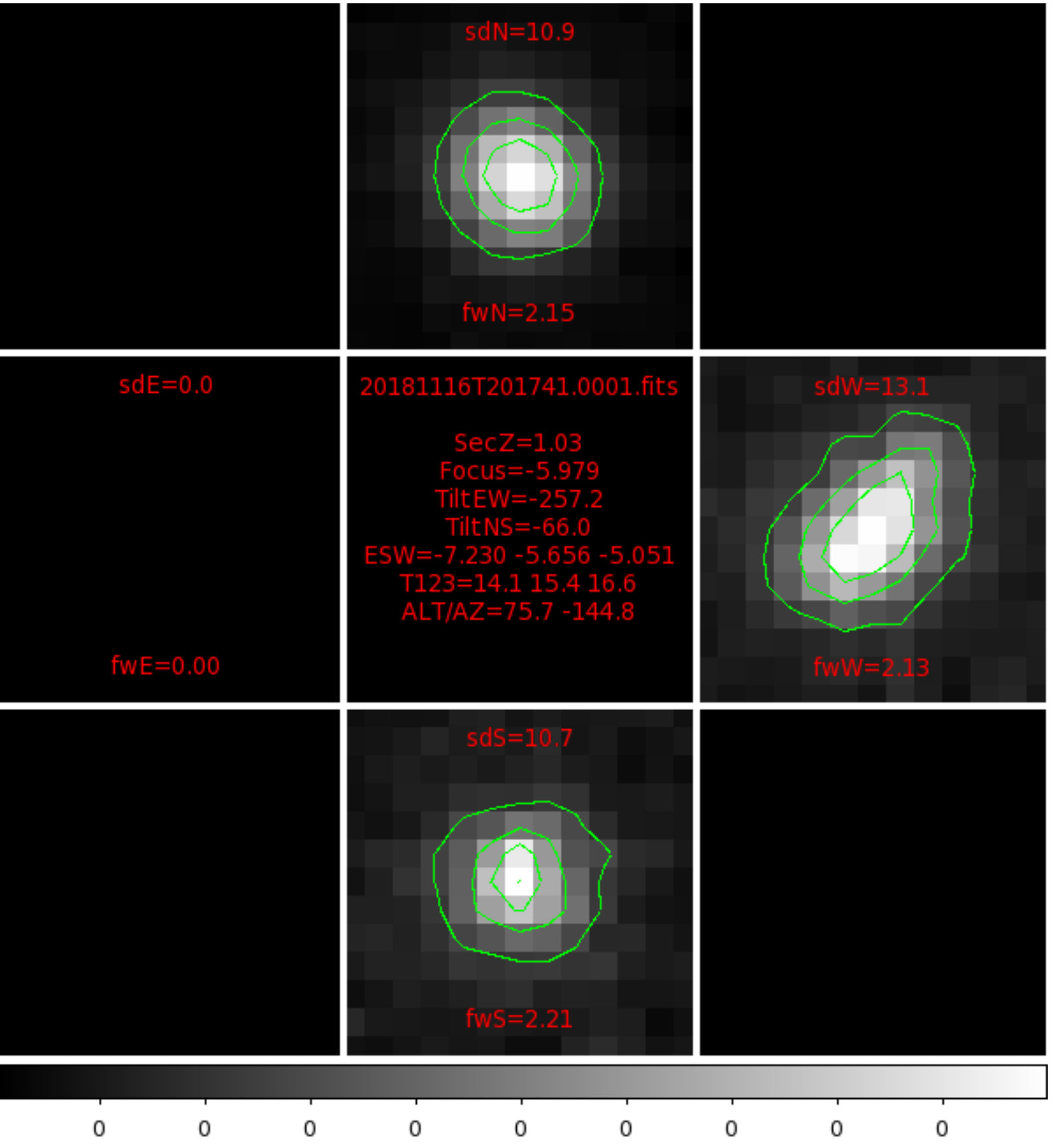

sdN=18.4
fwN=3.26
sdE=0.0
fwE=1.32
20181116T201109.0001.fits
SecZ=1.11
Focus=-5.979
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.230 -5.656 -5.051
T123=14.3 15.6 16.6
ALT/AZ=64.6 -32.0
fwAVG=2.75
sdW=24.1
fwW=3.20
sdS=13.1
fwS=3.12
0 0 0 0 0 0 0 0 0

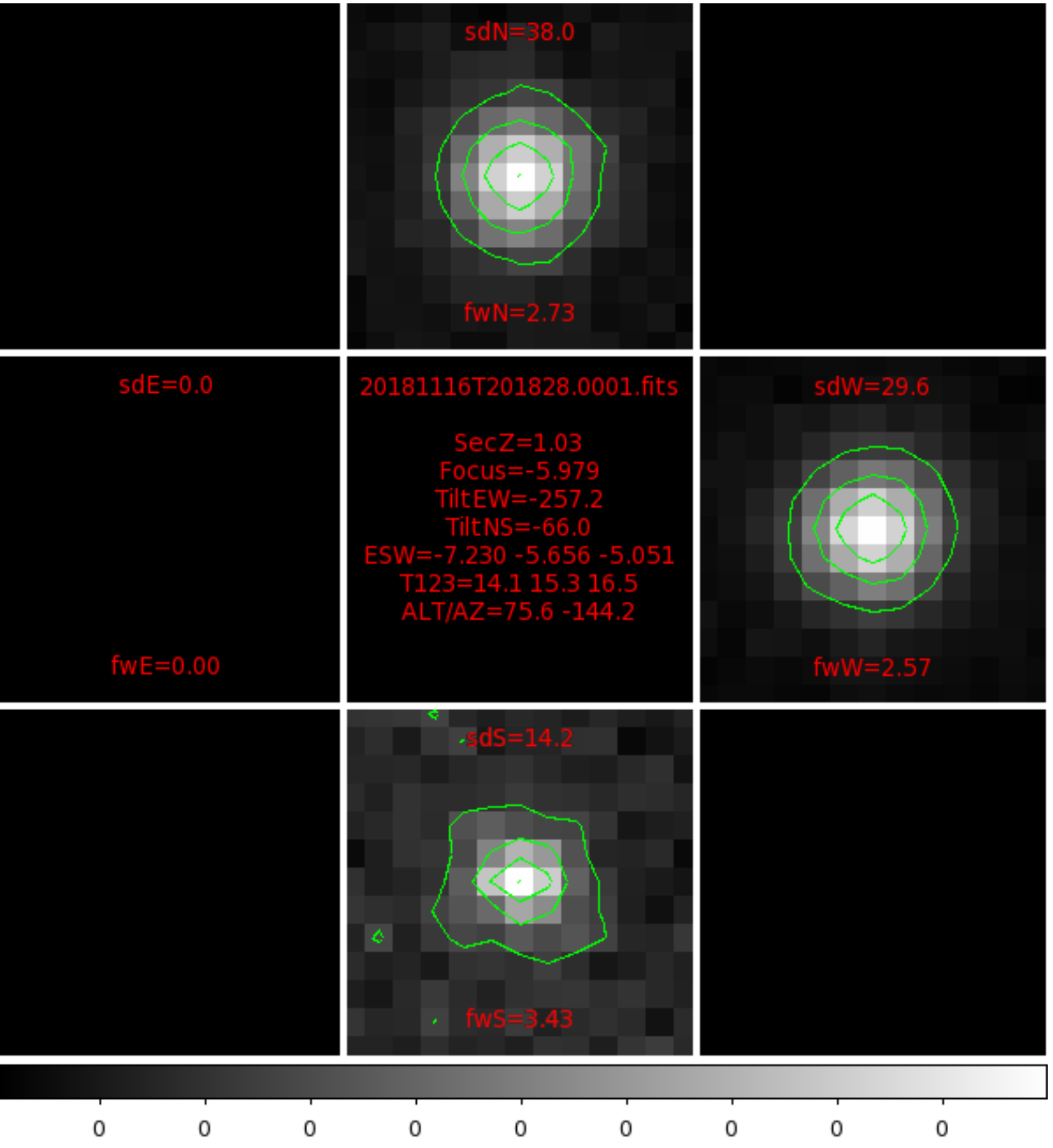

sdN=10.0
fwN=3.26
sdE=0.0
fwE=0.00
20181116T201231.0001.fits
SecZ=1.11
Focus=-5.979
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.230 -5.656 -5.051
T123=14.3 15.5 16.6
ALT/AZ=64.5 -32.4
sdW=11.3
fwW=3.57
sdS=8.1
fwS=1.64
0 0 0 0 0 0 0 0 0

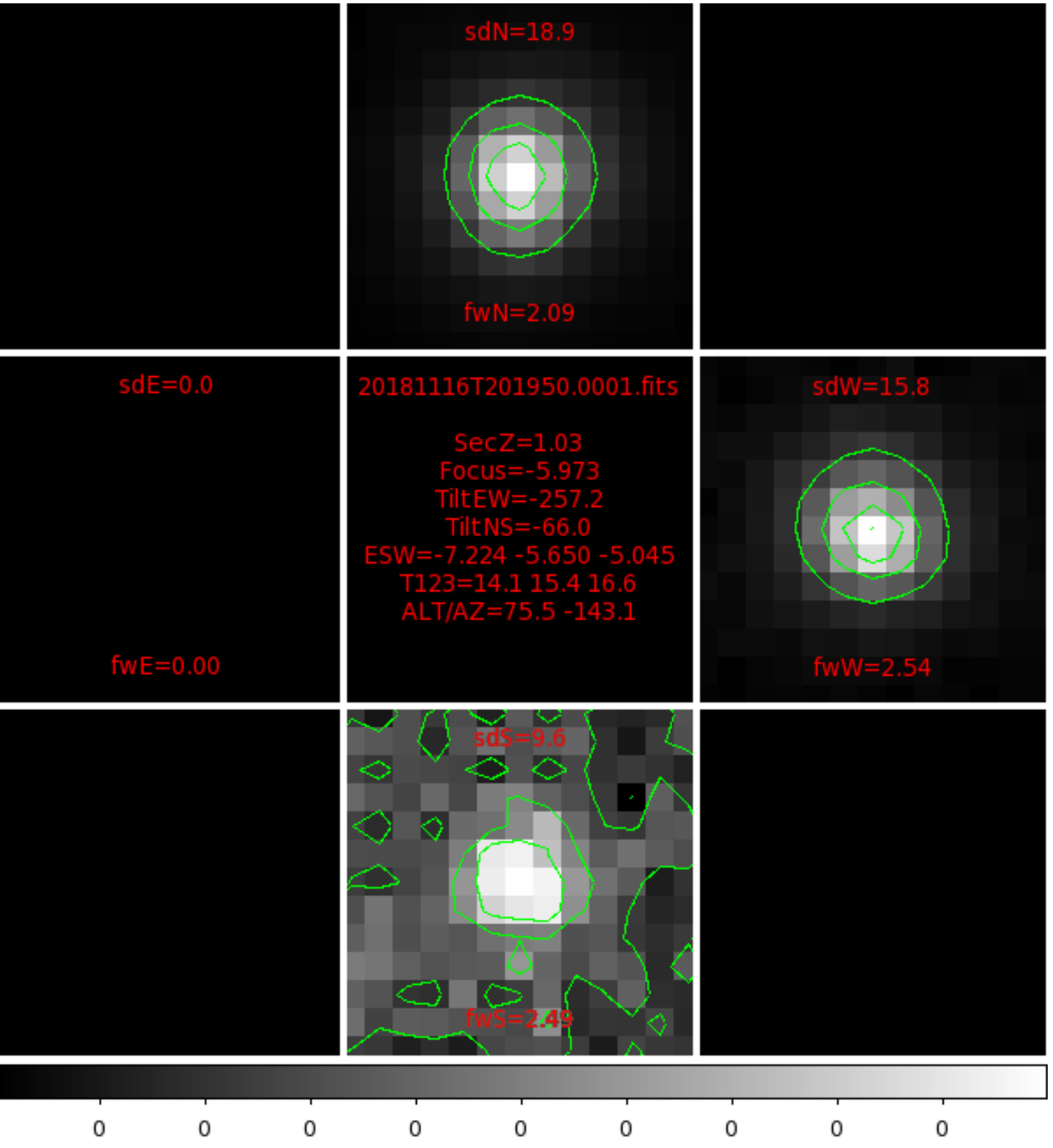

sdN=24.5
fwN=3.28
sdE=0.0
fwE=0.00
20181116T201317.0001.fits
SecZ=1.11
Focus=-5.979
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.230 -5.656 -5.051
T123=14.2 15.5 16.6
ALT/AZ=64.4 -32.6
sdW=28.1
fwW=3.15
sdS=18.7
fwS=1.95
0 0 0 0 0 0 0 0 0

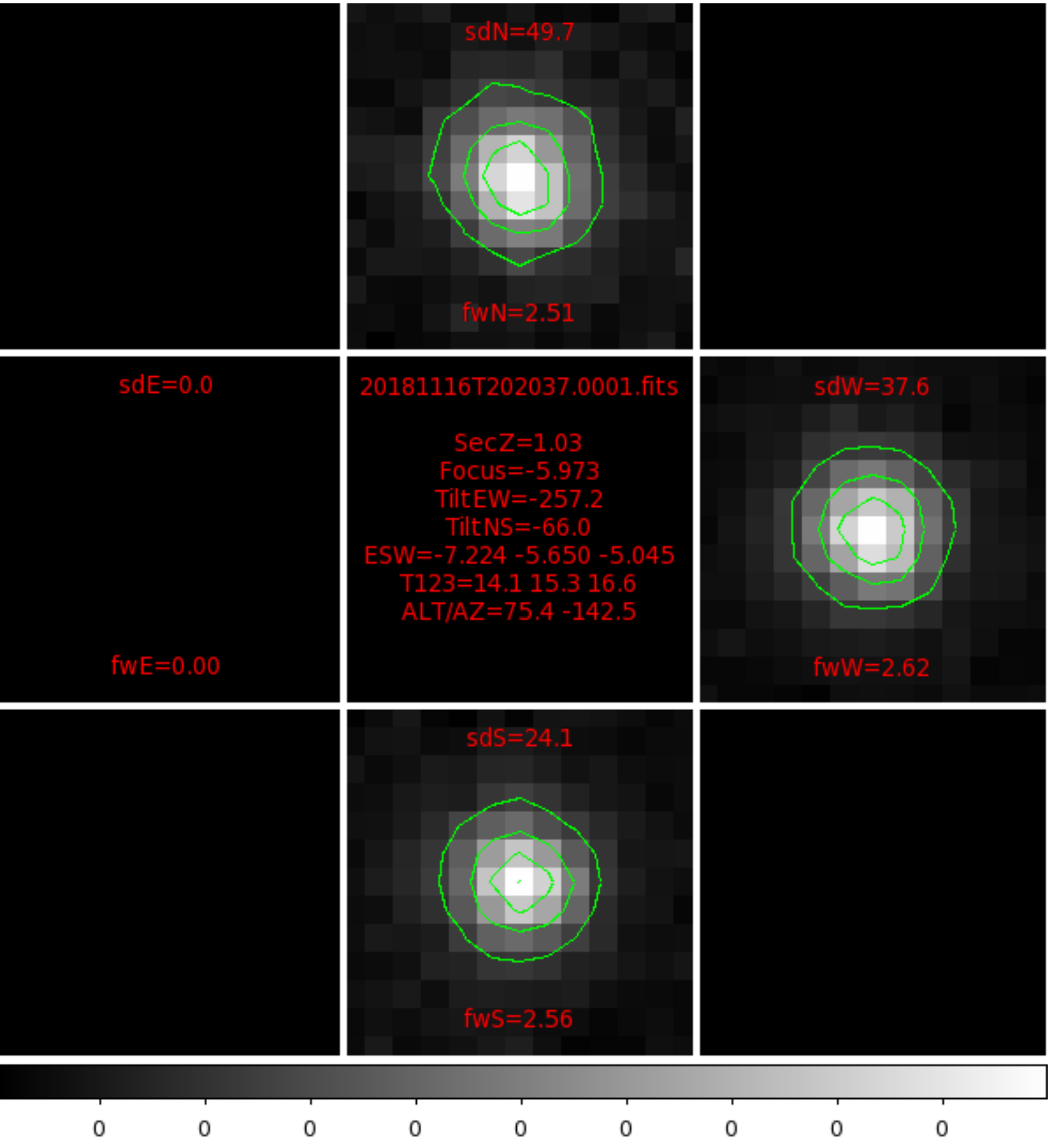

sdN=20.6
fwN=2.59
sdE=0.0
fwE=1.05
20181116T201440.0001.fits
SecZ=1.11
Focus=-5.979
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.230 -5.656 -5.051
T123=14.1 15.5 16.6
ALT/AZ=64.2 -32.9
fwAVG=2.10
sdW=20.7
fwW=2.38
sdS=18.4
fwS=2.21
0 0 0 0 0 0 0 0 0

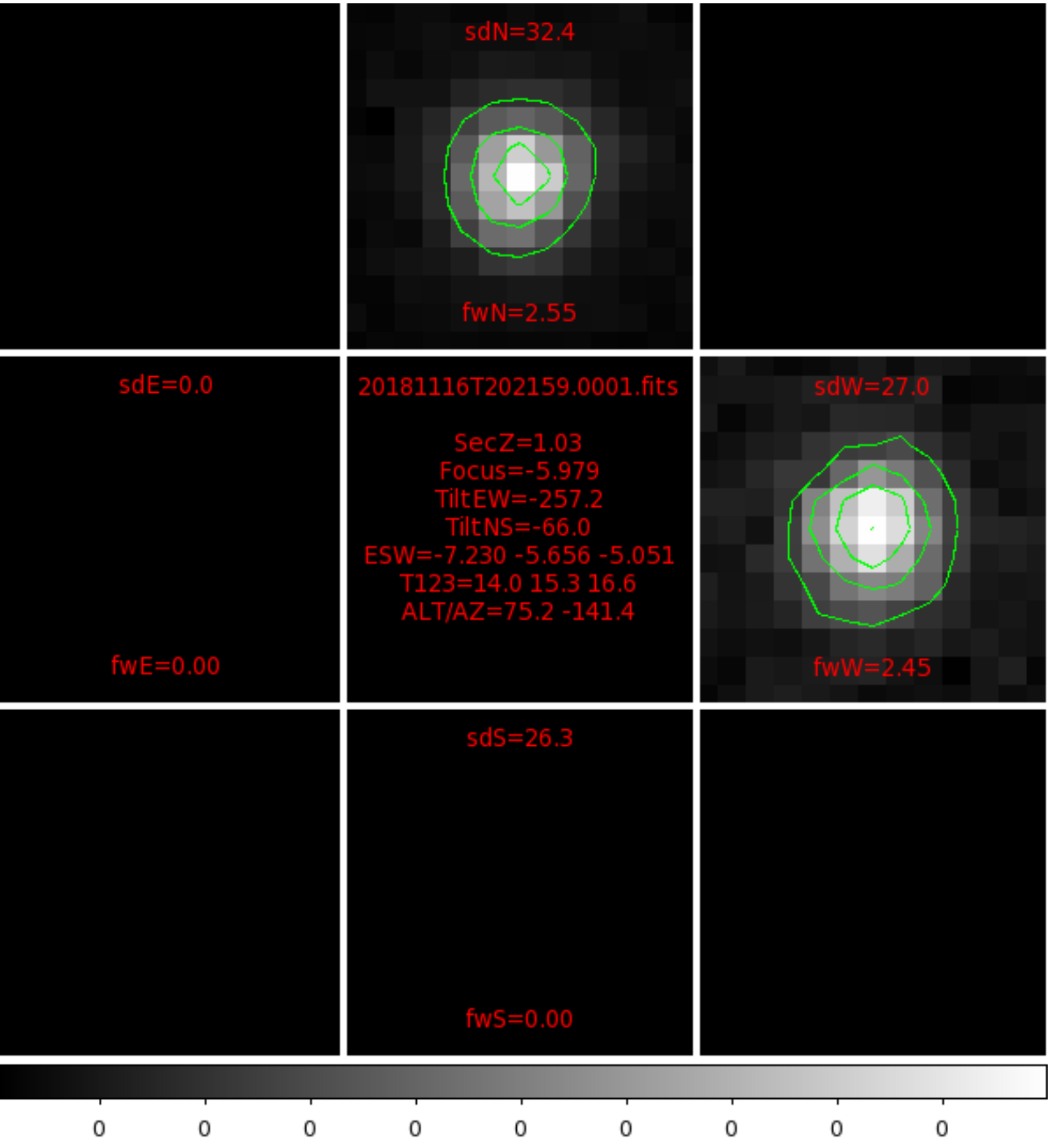

sdN=73.8
fwN=2.02
sdE=3.2
fwE=1.12
20181116T201527.0001.fits
SecZ=1.11
Focus=-5.979
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.230 -5.656 -5.051
T123=14.1 15.4 16.6
ALT/AZ=64.1 -33.1
fwAVG=1.92
sdW=79.3
fwW=2.27
sdS=64.2
fwS=2.01
0 0 0 0 0 0 0 0 0

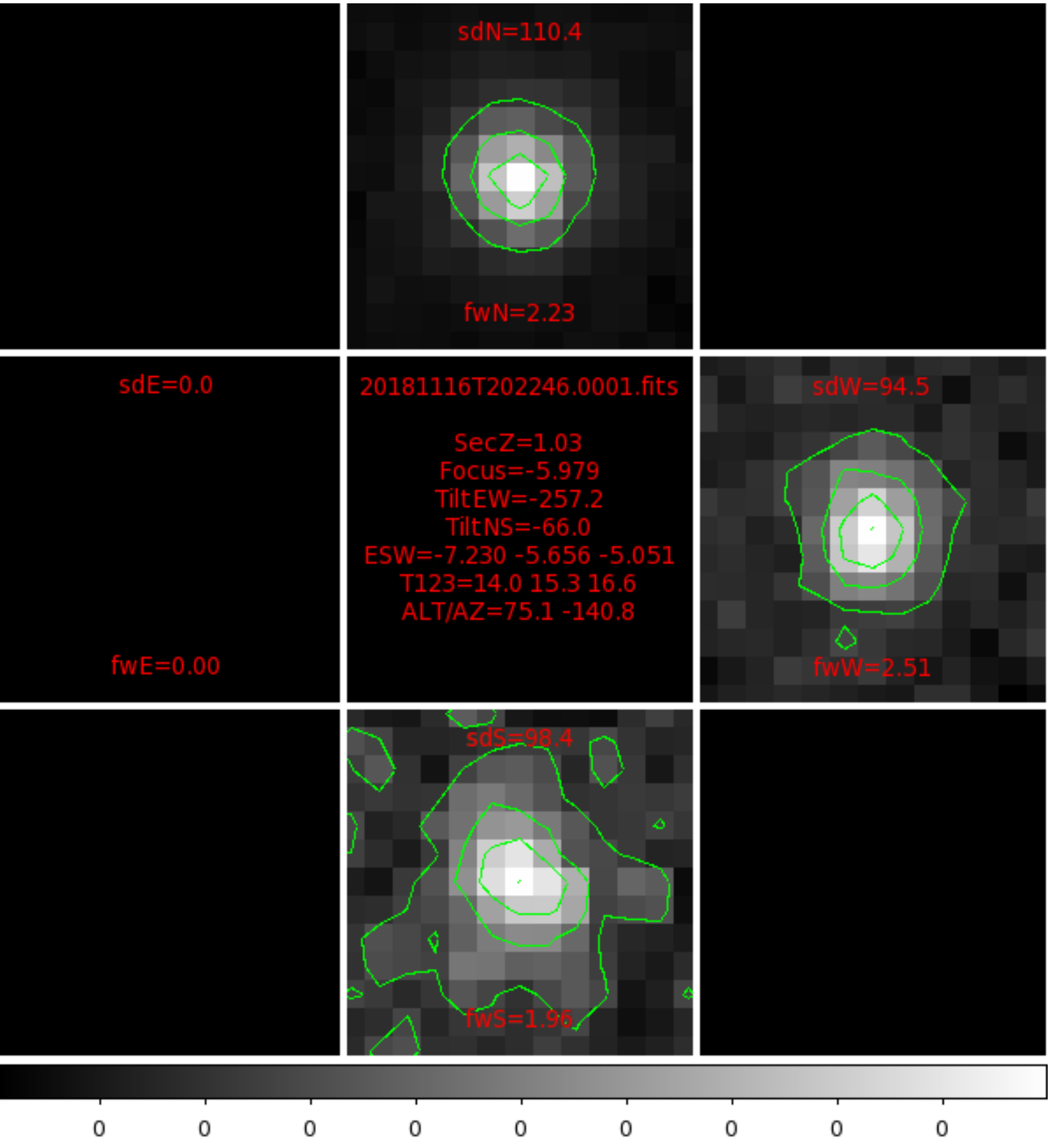

sdN=10.9
fwN=2.15
sdE=0.0
fwE=0.00
20181116T201741.0001.fits
SecZ=1.03
Focus=-5.979
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.230 -5.656 -5.051
T123=14.1 15.4 16.6
ALT/AZ=75.7 -144.8
sdW=13.1
fwW=2.13
sdS=10.7
fwS=2.21
0 0 0 0 0 0 0 0 0

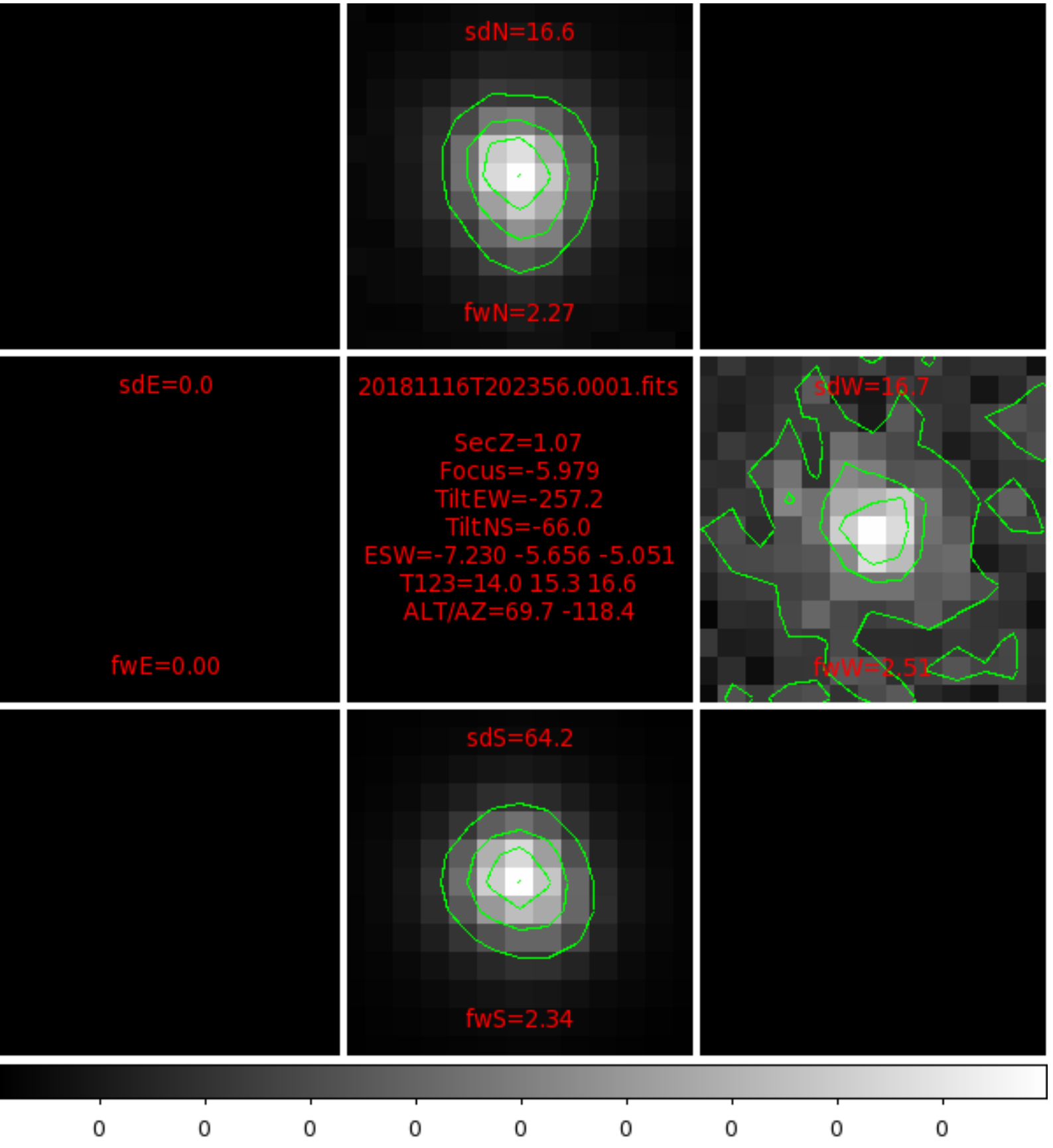

sdN=38.0
fwN=2.73
sdE=0.0
fwE=0.00
20181116T201828.0001.fits
SecZ=1.03
Focus=-5.979
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.230 -5.656 -5.051
T123=14.1 15.3 16.5
ALT/AZ=75.6 -144.2
sdW=29.6
fwW=2.57
sdS=14.2
fwS=3.43
0 0 0 0 0 0 0 0 0

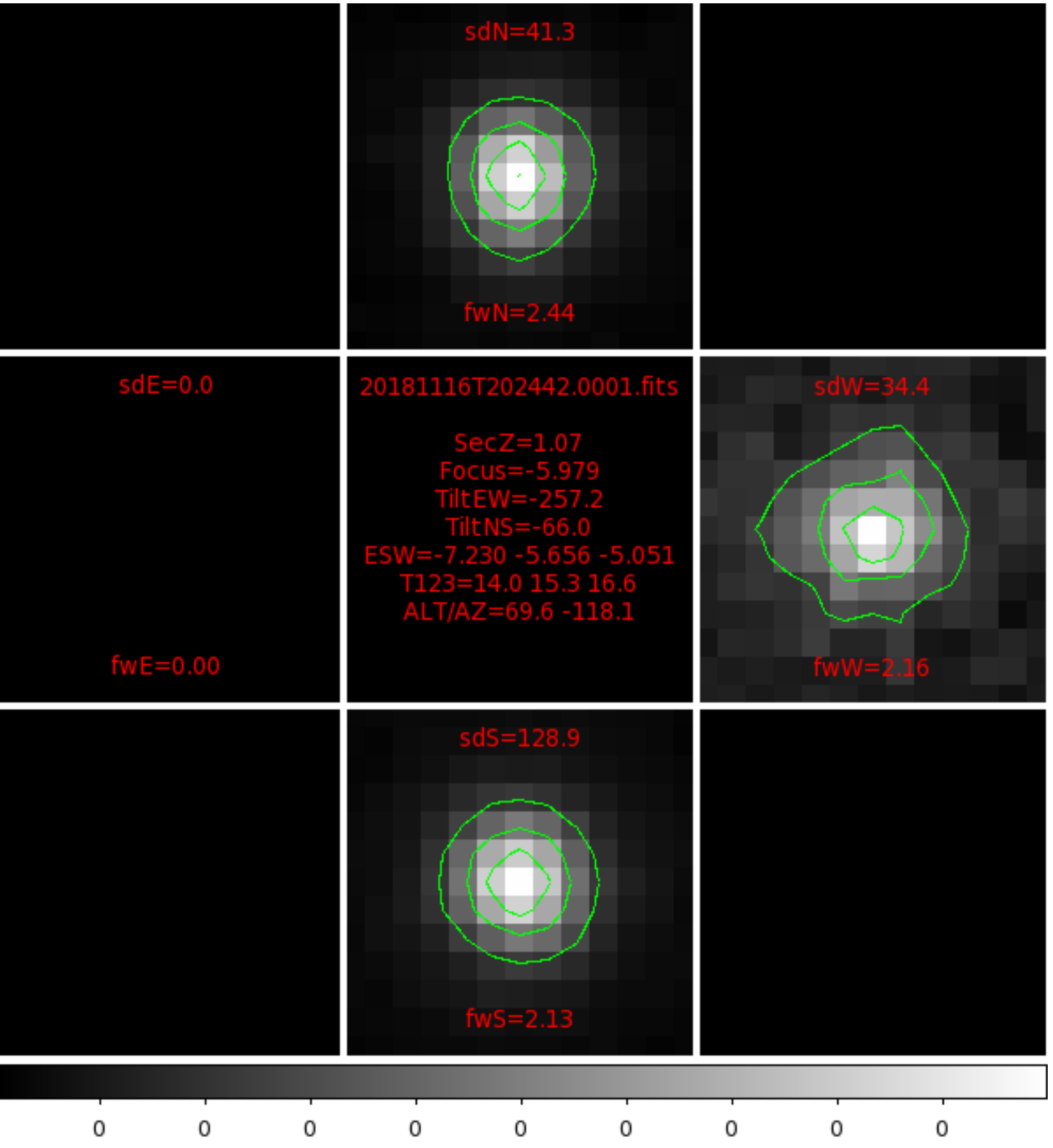

sdN=18.9
fwN=2.09
sdE=0.0
fwE=0.00
20181116T201950.0001.fits
SecZ=1.03
Focus=-5.973
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.224 -5.650 -5.045
T123=14.1 15.4 16.6
ALT/AZ=75.5 -143.1
sdW=15.8
fwW=2.54
sdS=9.6
fwS=2.49
0 0 0 0 0 0 0 0 0

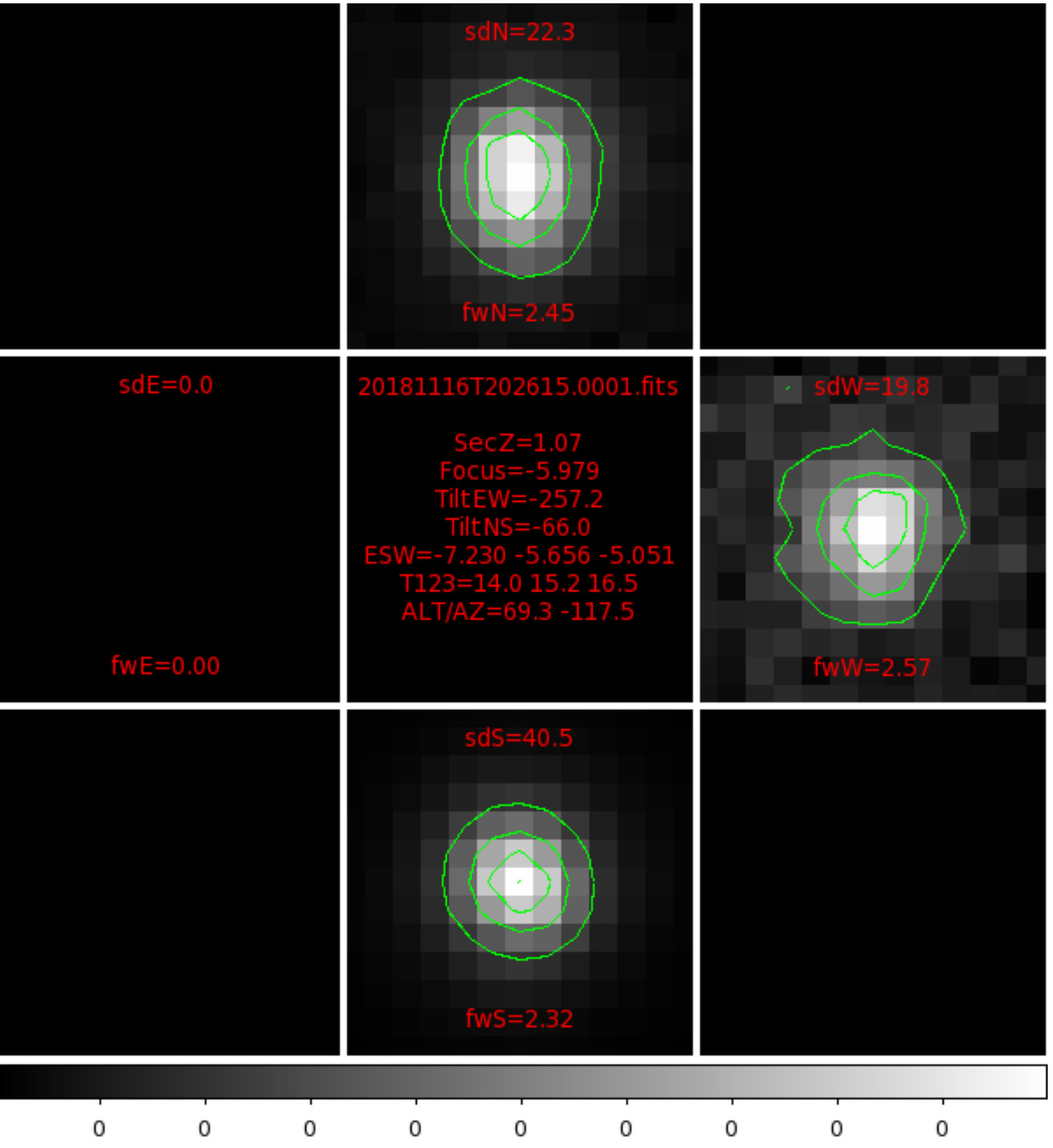

sdN=49.7
fwN=2.51
sdE=0.0
fwE=0.00
20181116T202037.0001.fits
SecZ=1.03
Focus=-5.973
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.224 -5.650 -5.045
T123=14.1 15.3 16.6
ALT/AZ=75.4 -142.5
sdW=37.6
fwW=2.62
sdS=24.1
fwS=2.56
0 0 0 0 0 0 0 0 0

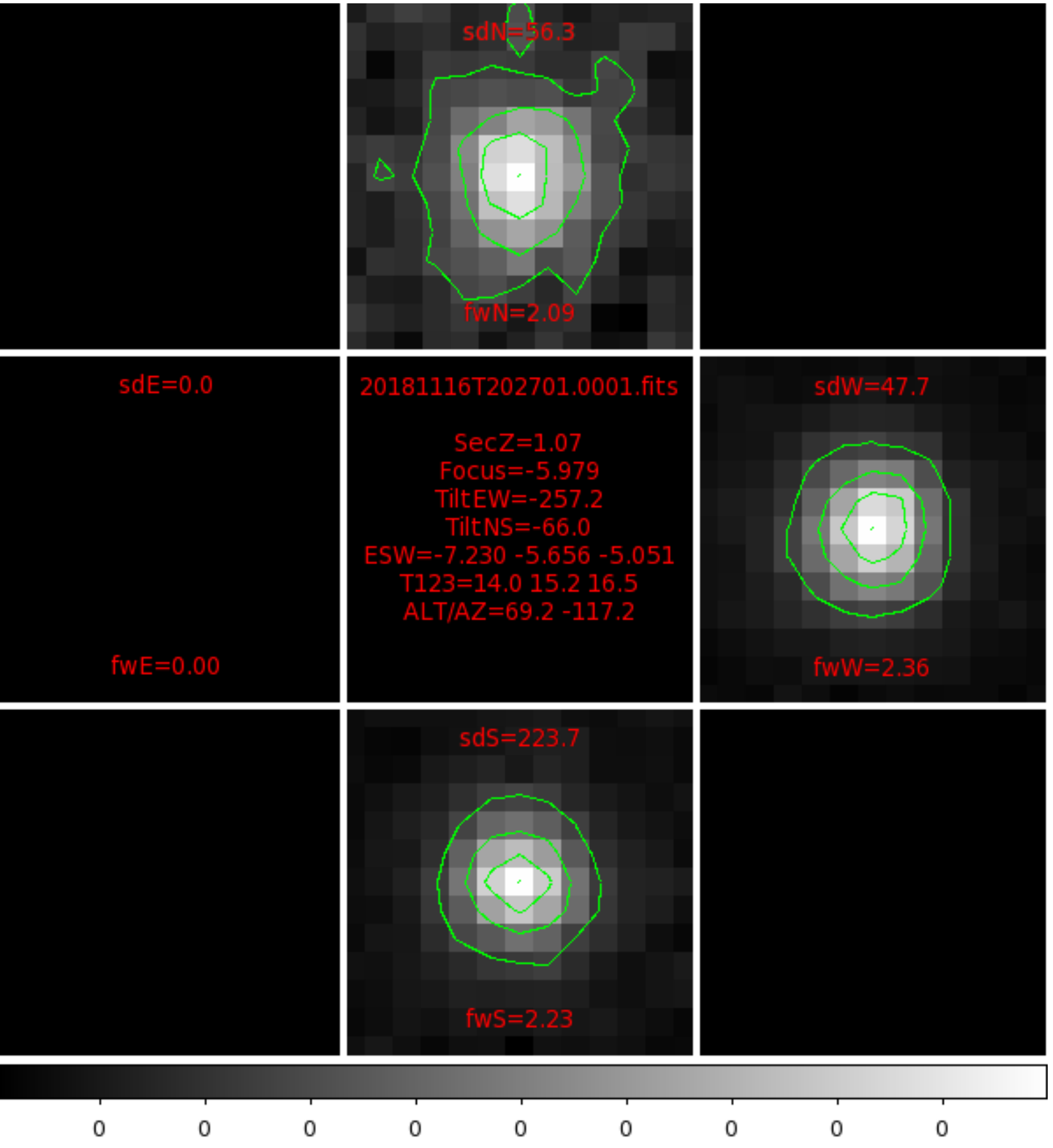

sdN=32.4
fwN=2.55
sdE=0.0
fwE=0.00
20181116T202159.0001.fits
SecZ=1.03
Focus=-5.979
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.230 -5.656 -5.051
T123=14.0 15.3 16.6
ALT/AZ=75.2 -141.4
sdW=27.0
fwW=2.45
sdS=26.3
fwS=0.00
0 0 0 0 0 0 0 0 0

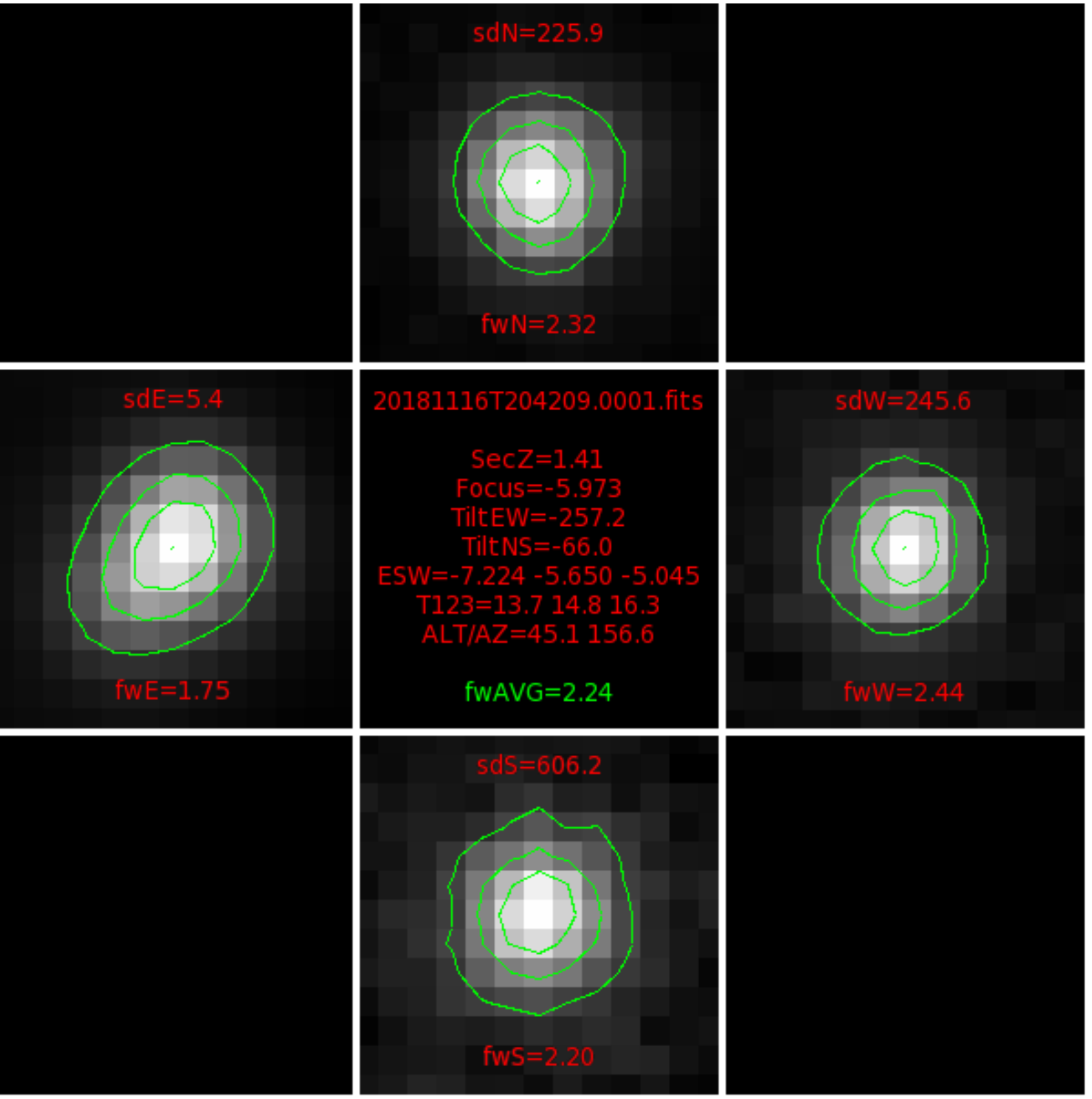

sdN=110.4
fwN=2.23
sdE=0.0
fwE=0.00
20181116T202246.0001.fits
SecZ=1.03
Focus=-5.979
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.230 -5.656 -5.051
T123=14.0 15.3 16.6
ALT/AZ=75.1 -140.8
sdW=94.5
fwW=2.51
sdS=98.4
fwS=1.96
0 0 0 0 0 0 0 0 0

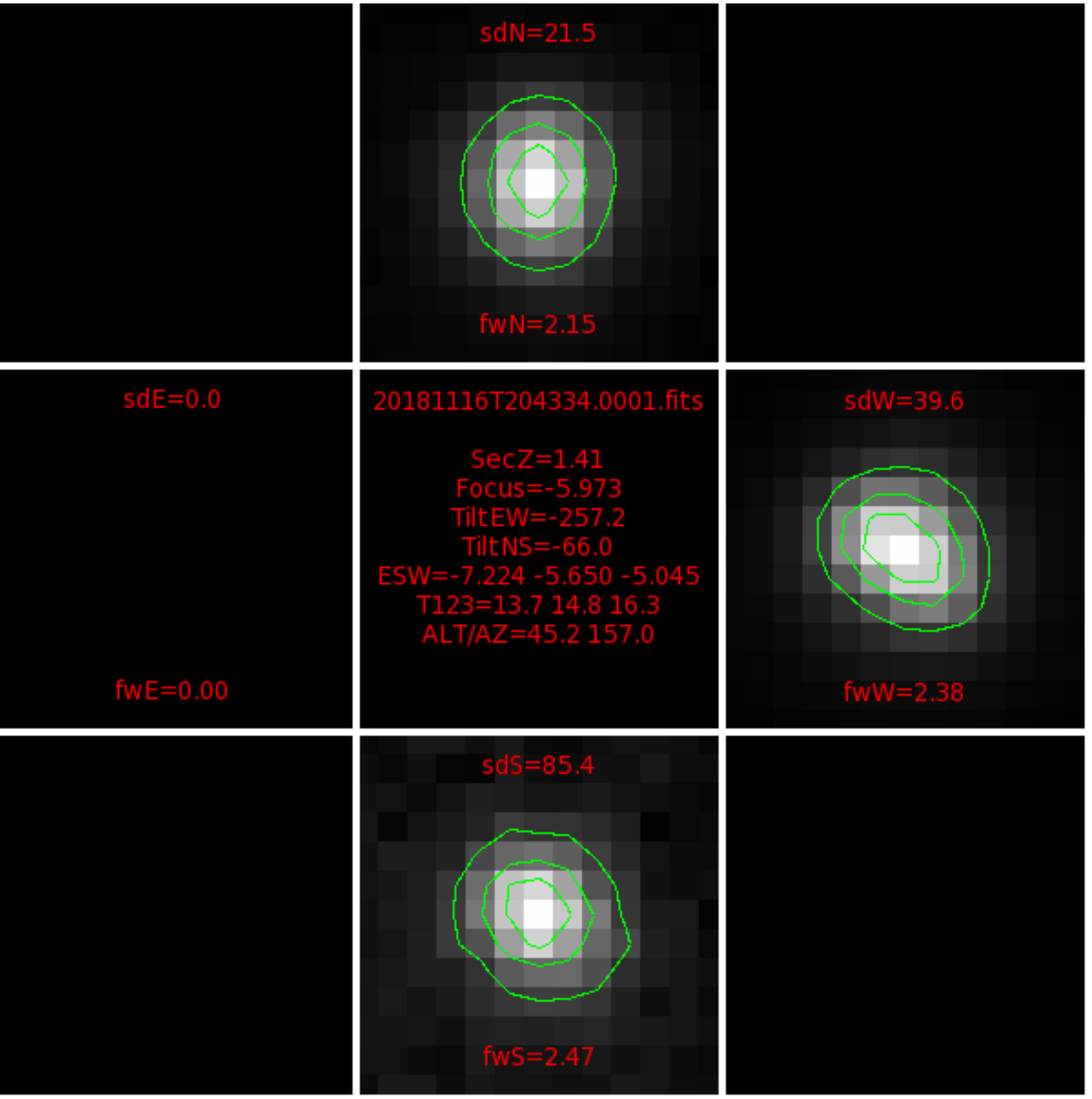

sdN=16.6
fwN=2.27
sdE=0.0
fwE=0.00
20181116T202356.0001.fits
SecZ=1.07
Focus=-5.979
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.230 -5.656 -5.051
T123=14.0 15.3 16.6
ALT/AZ=69.7 -118.4
sdW=16.7
fwW=2.51
sdS=64.2
fwS=2.34
0 0 0 0 0 0 0 0 0

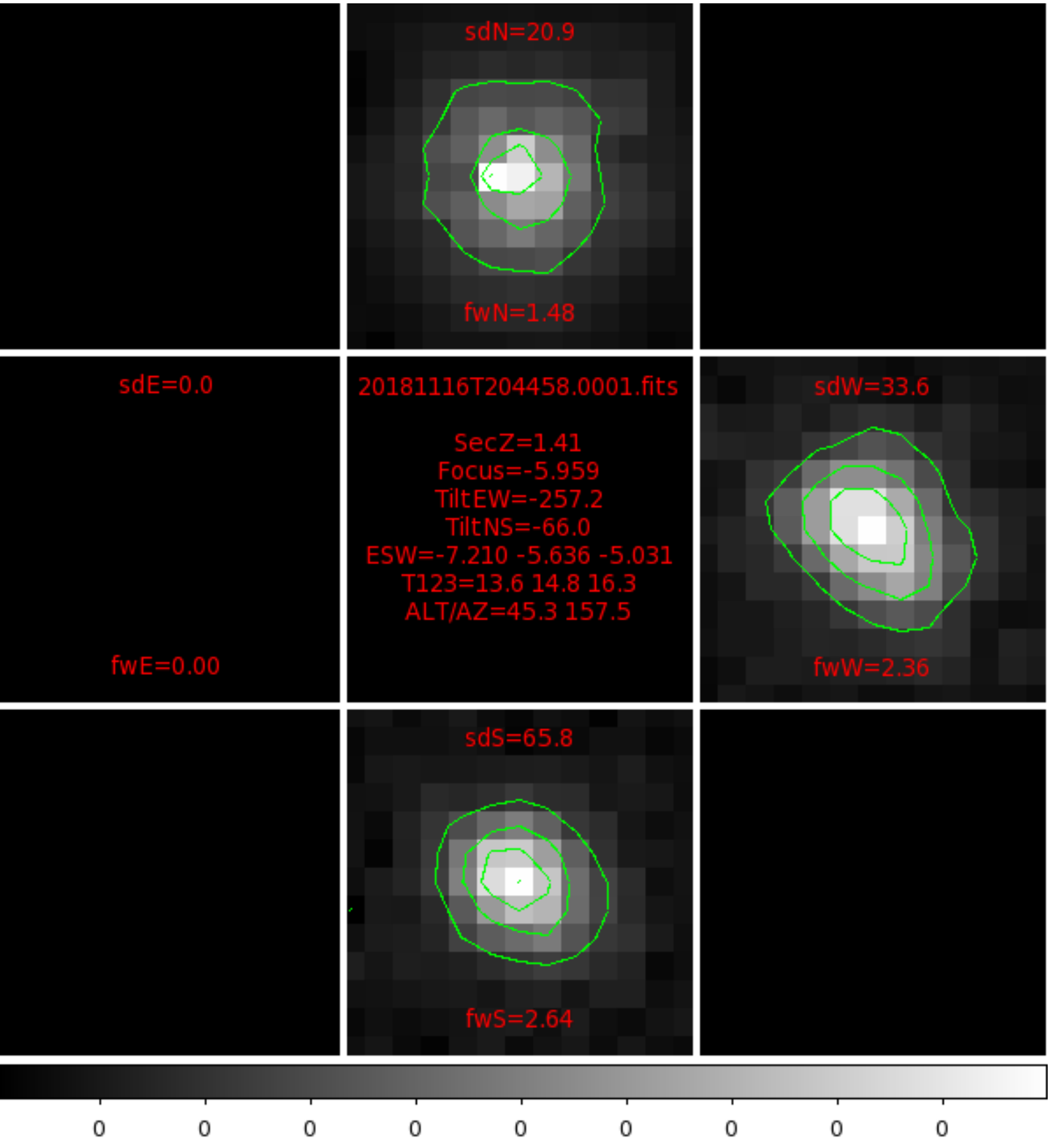

sdN=41.3
fwN=2.44
sdE=0.0
fwE=0.00
20181116T202442.0001.fits
SecZ=1.07
Focus=-5.979
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.230 -5.656 -5.051
T123=14.0 15.3 16.6
ALT/AZ=69.6 -118.1
sdW=34.4
fwW=2.16
sdS=128.9
fwS=2.13
0 0 0 0 0 0 0 0 0

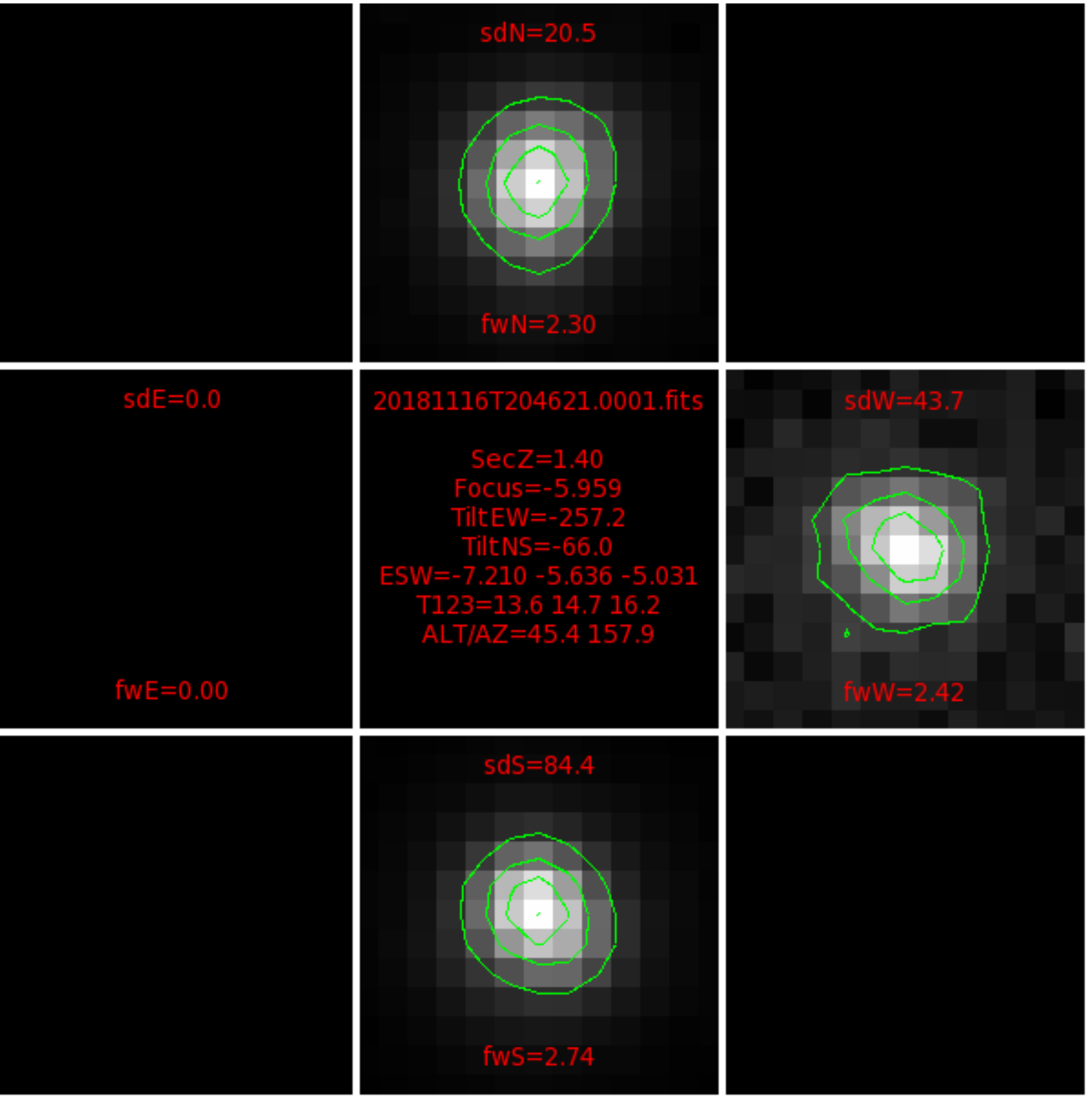

sdN=22.3
fwN=2.45
sdE=0.0
fwE=0.00
20181116T202615.0001.fits
SecZ=1.07
Focus=-5.979
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.230 -5.656 -5.051
T123=14.0 15.2 16.5
ALT/AZ=69.3 -117.5
sdW=19.8
fwW=2.57
sdS=40.5
fwS=2.32
0 0 0 0 0 0 0 0 0

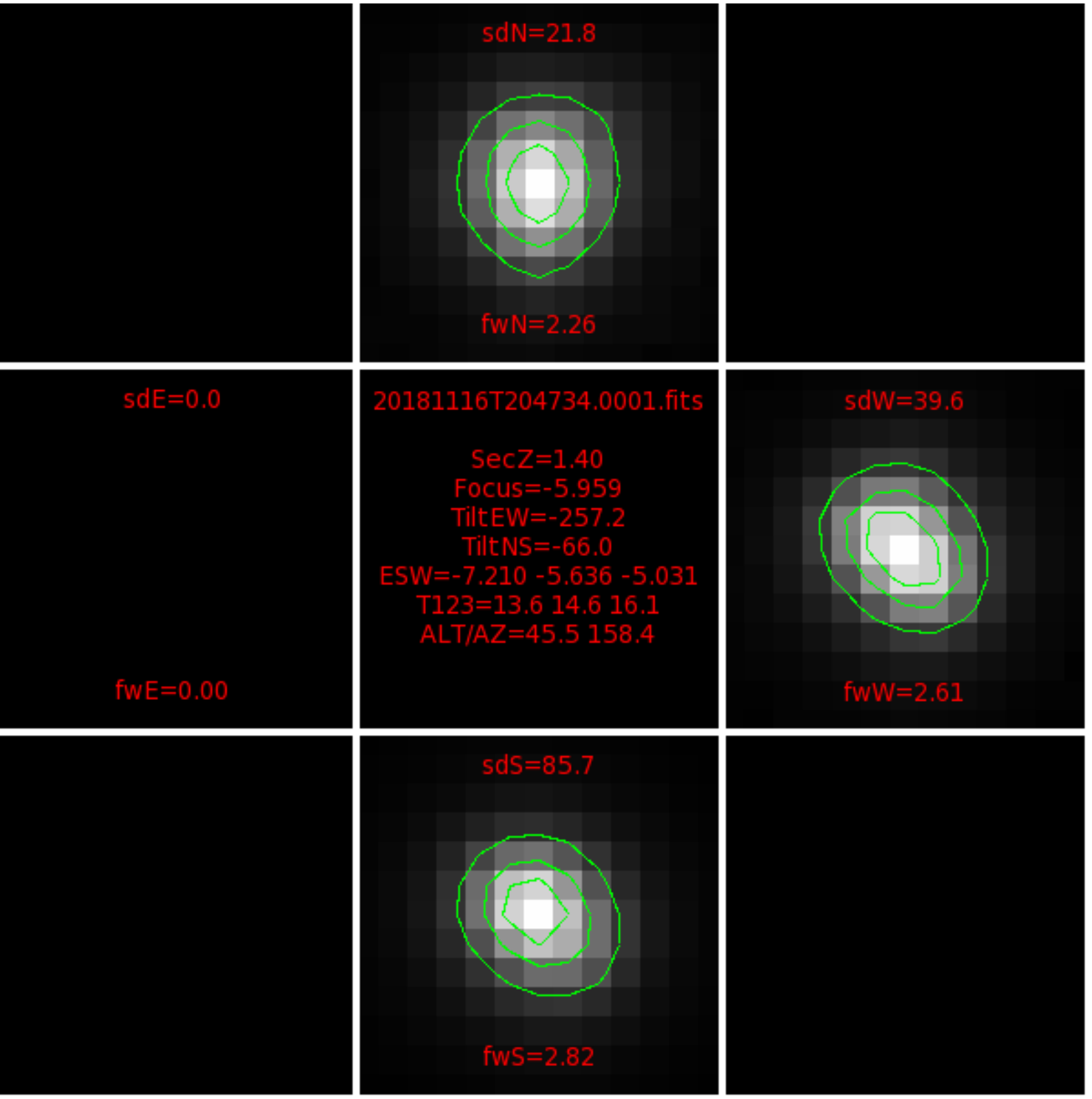

sdN=56.3
fwN=2.09
sdE=0.0
20181116T202701.0001.fits
SecZ=1.07
Focus=-5.979
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.230 -5.656 -5.051
T123=14.0 15.2 16.5
ALT/AZ=69.2 -117.2
sdW=47.7
fwE=0.00
fwW=2.36
sdS=223.7
fwS=2.23
0 0 0 0 0 0 0 0 0

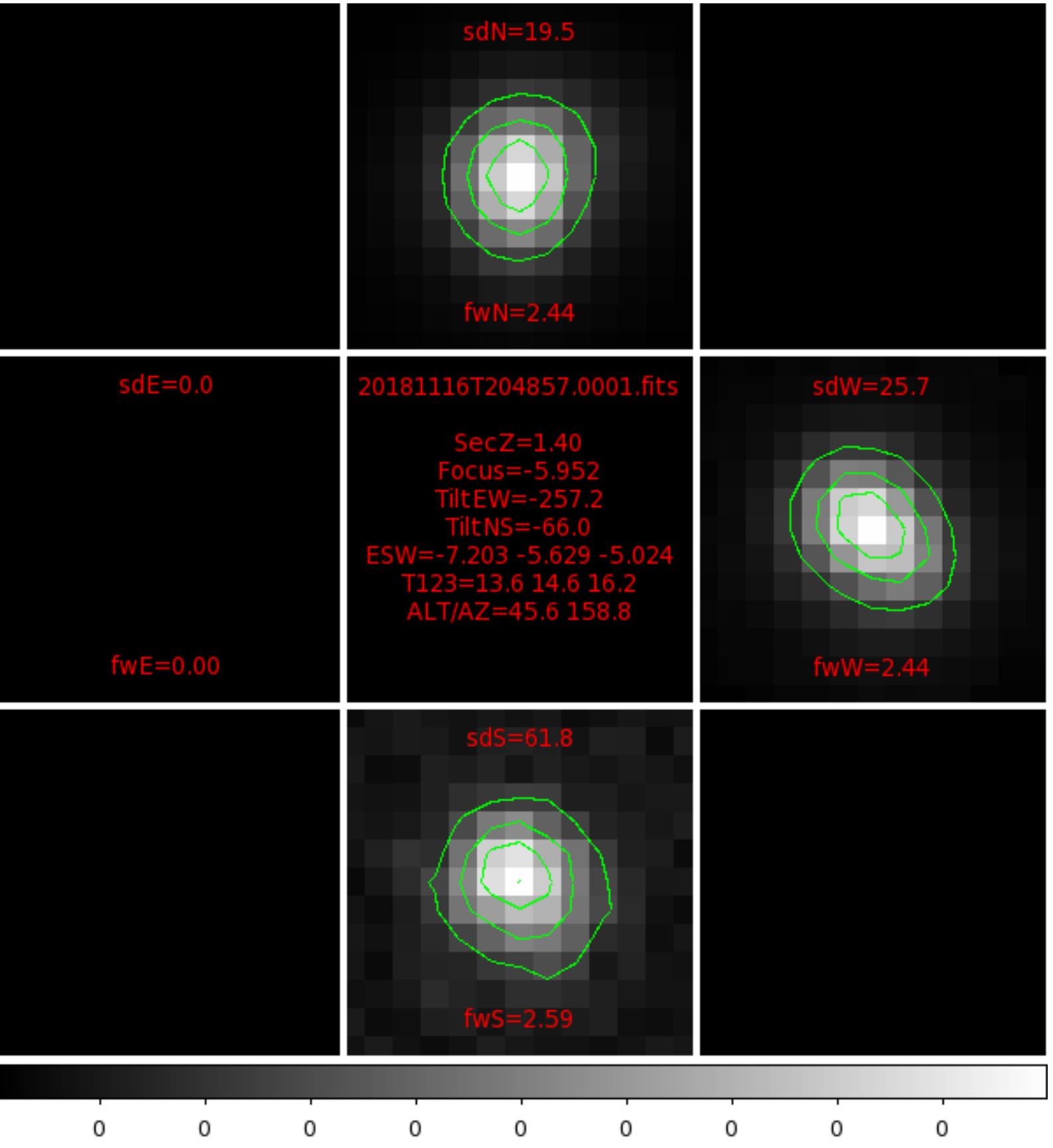

sdN=225.9
fwN=2.32
sdE=5.4
fwE=1.75
20181116T204209.0001.fits
SecZ=1.41
Focus=-5.973
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.224 -5.650 -5.045
T123=13.7 14.8 16.3
ALT/AZ=45.1 156.6
fwAVG=2.24
sdW=245.6
fwW=2.44
sdS=606.2
fwS=2.20
0 0 0 0 0 0 0 0 0

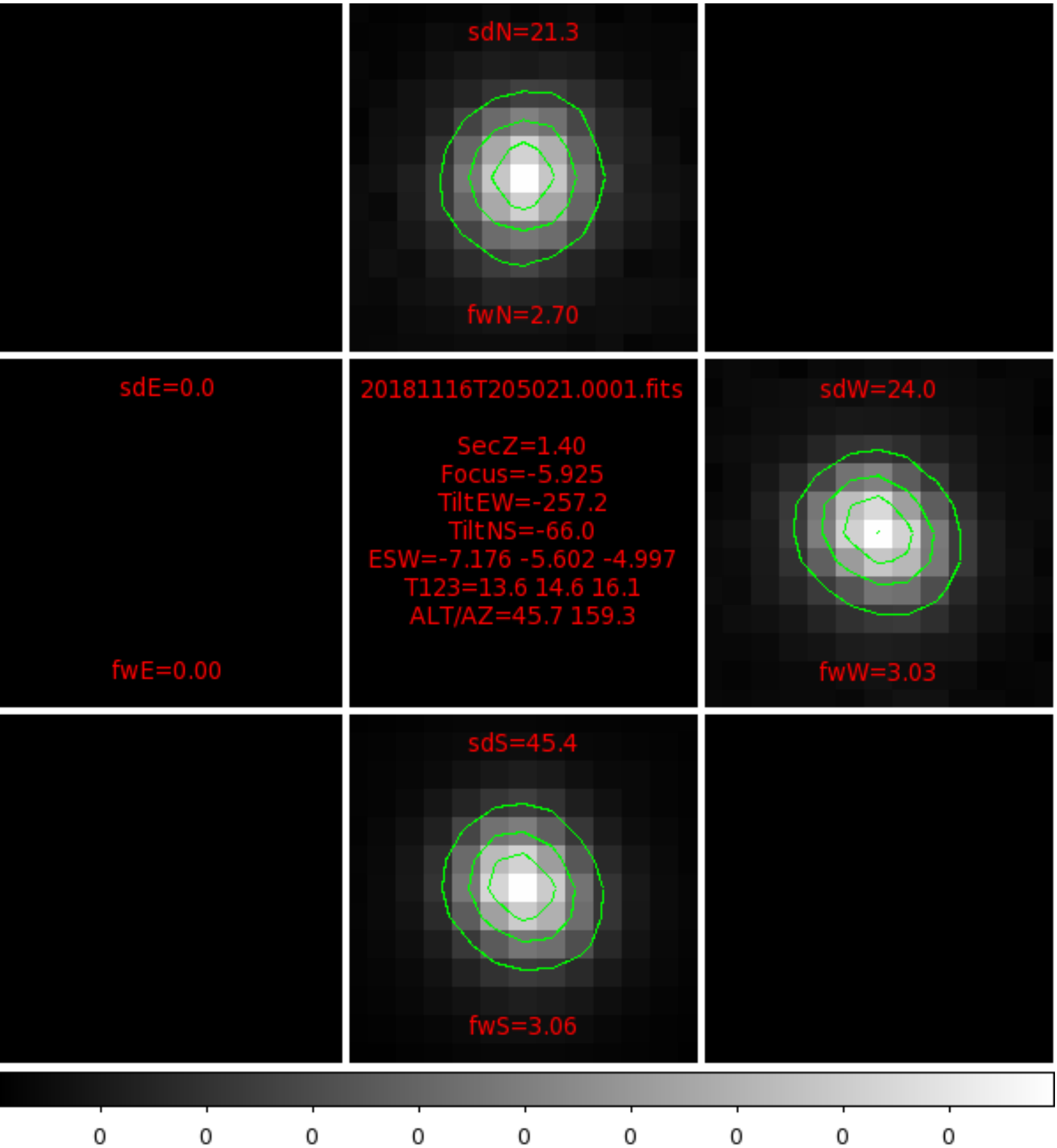

sdN=21.5
fwN=2.15
sdE=0.0
fwE=0.00
20181116T204334.0001.fits
SecZ=1.41
Focus=-5.973
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.224 -5.650 -5.045
T123=13.7 14.8 16.3
ALT/AZ=45.2 157.0
sdW=39.6
fwW=2.38
sdS=85.4
fwS=2.47
0 0 0 0 0 0 0 0 0

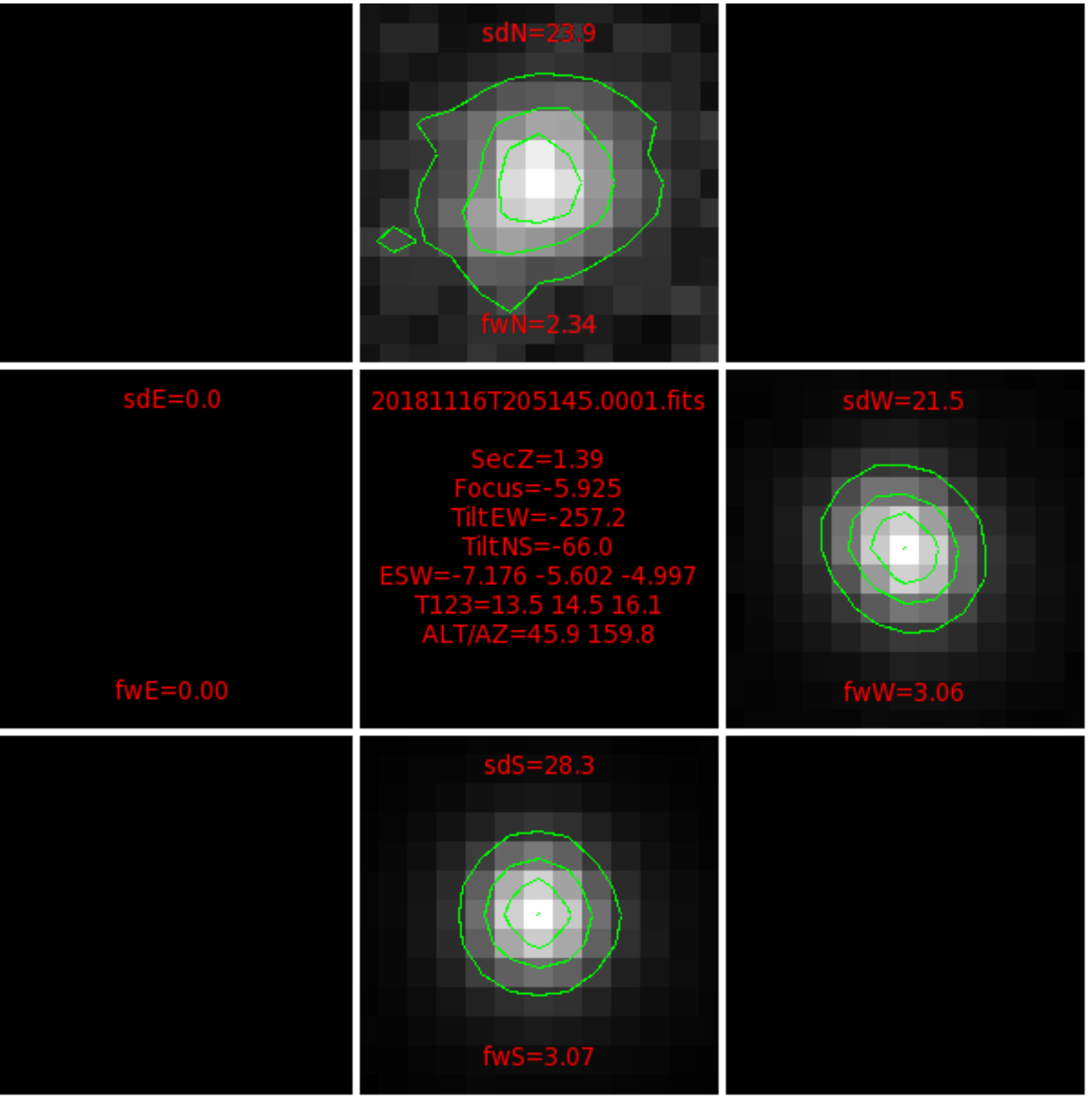

sdN=20.9
fwN=1.48
sdE=0.0
fwE=0.00
20181116T204458.0001.fits
SecZ=1.41
Focus=-5.959
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.210 -5.636 -5.031
T123=13.6 14.8 16.3
ALT/AZ=45.3 157.5
sdW=33.6
fwW=2.36
sdS=65.8
fwS=2.64
0 0 0 0 0 0 0 0 0

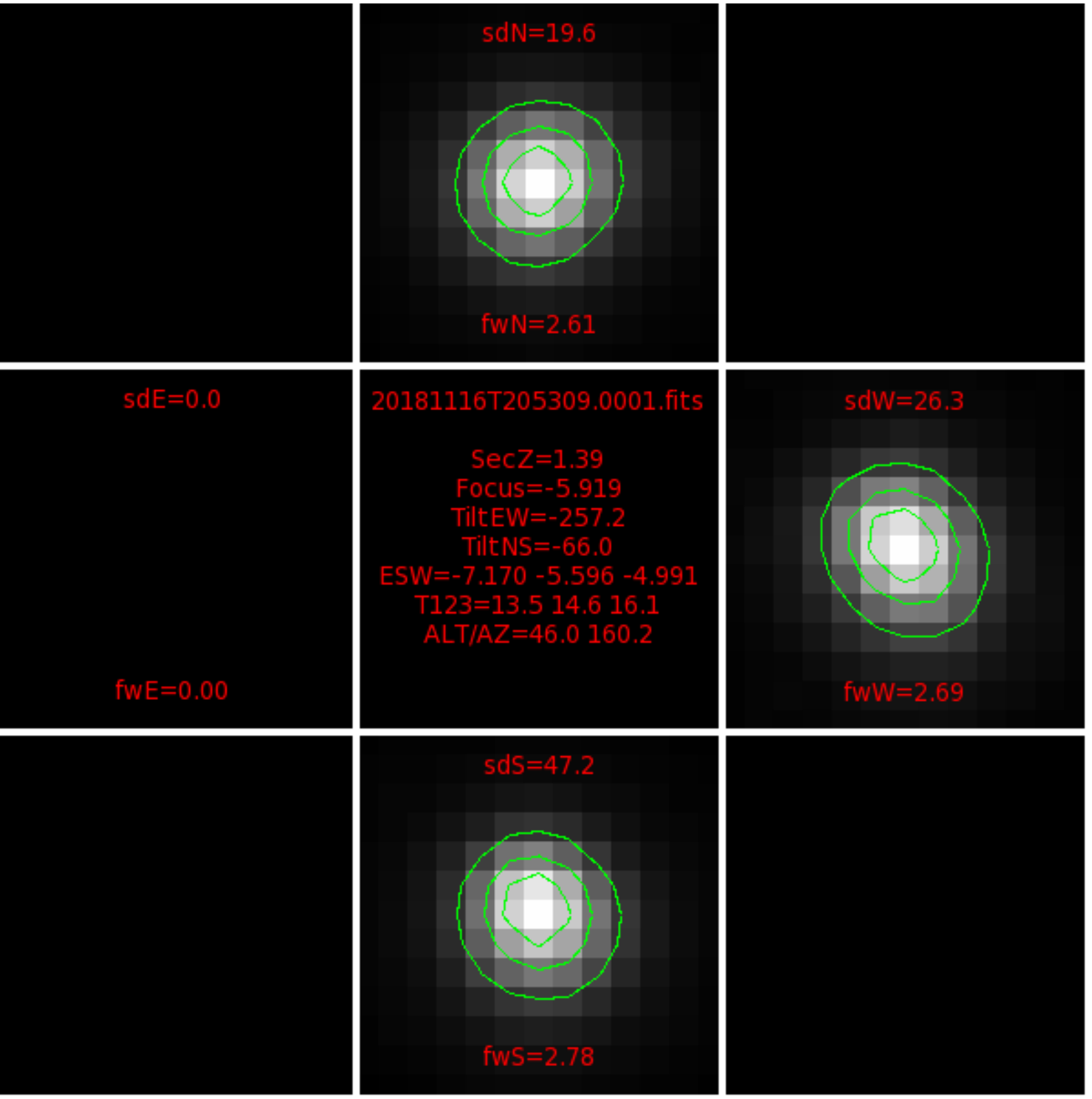

sdN=20.5
fwN=2.30
sdE=0.0
fwE=0.00
20181116T204621.0001.fits
SecZ=1.40
Focus=-5.959
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.210 -5.636 -5.031
T123=13.6 14.7 16.2
ALT/AZ=45.4 157.9
sdW=43.7
fwW=2.42
sdS=84.4
fwS=2.74
0 0 0 0 0 0 0 0 0

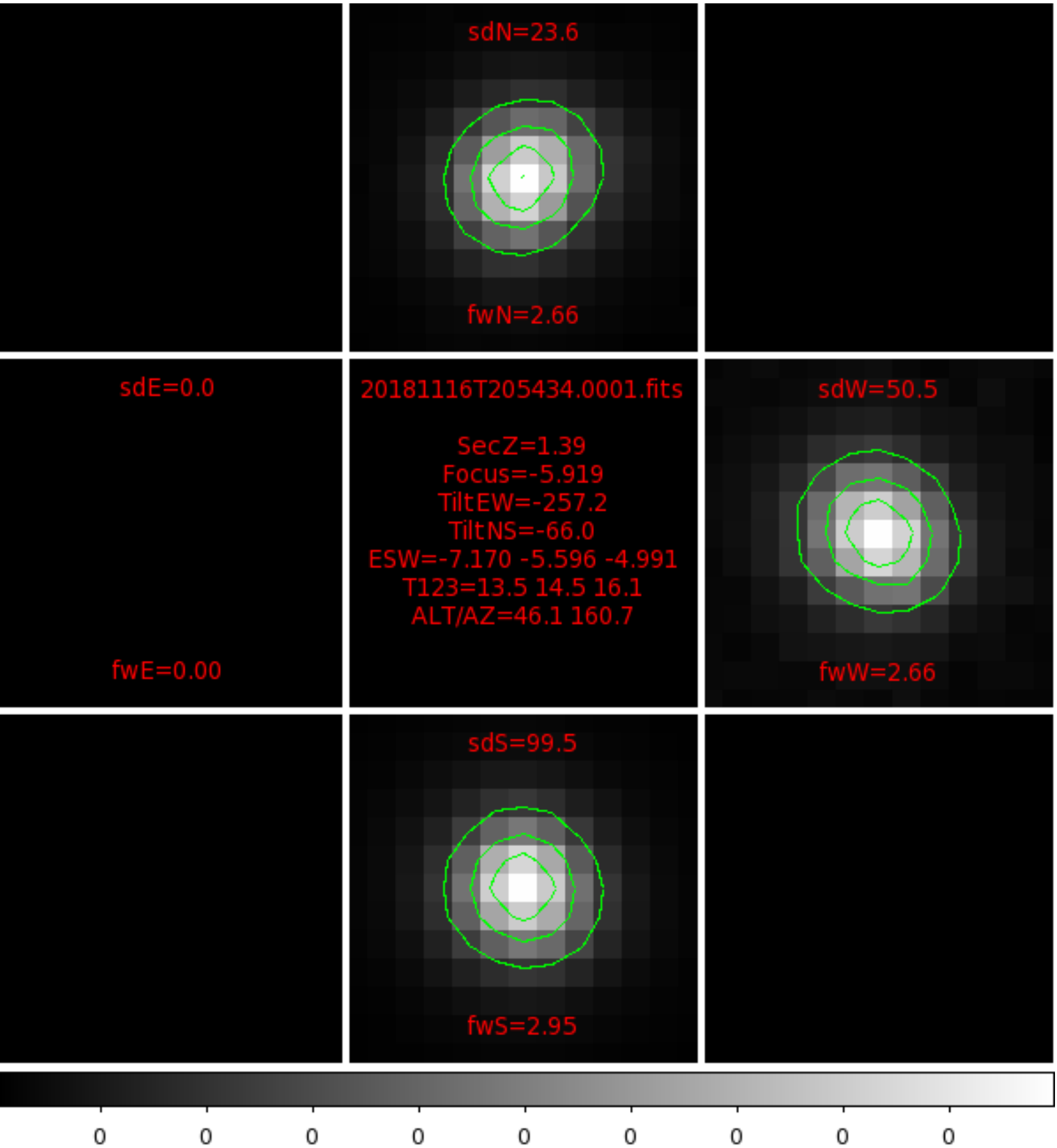

sdN=21.8
fwN=2.26
sdE=0.0
fwE=0.00
20181116T204734.0001.fits
SecZ=1.40
Focus=-5.959
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.210 -5.636 -5.031
T123=13.6 14.6 16.1
ALT/AZ=45.5 158.4
sdW=39.6
fwW=2.61
sdS=85.7
fwS=2.82
0 0 0 0 0 0 0 0 0

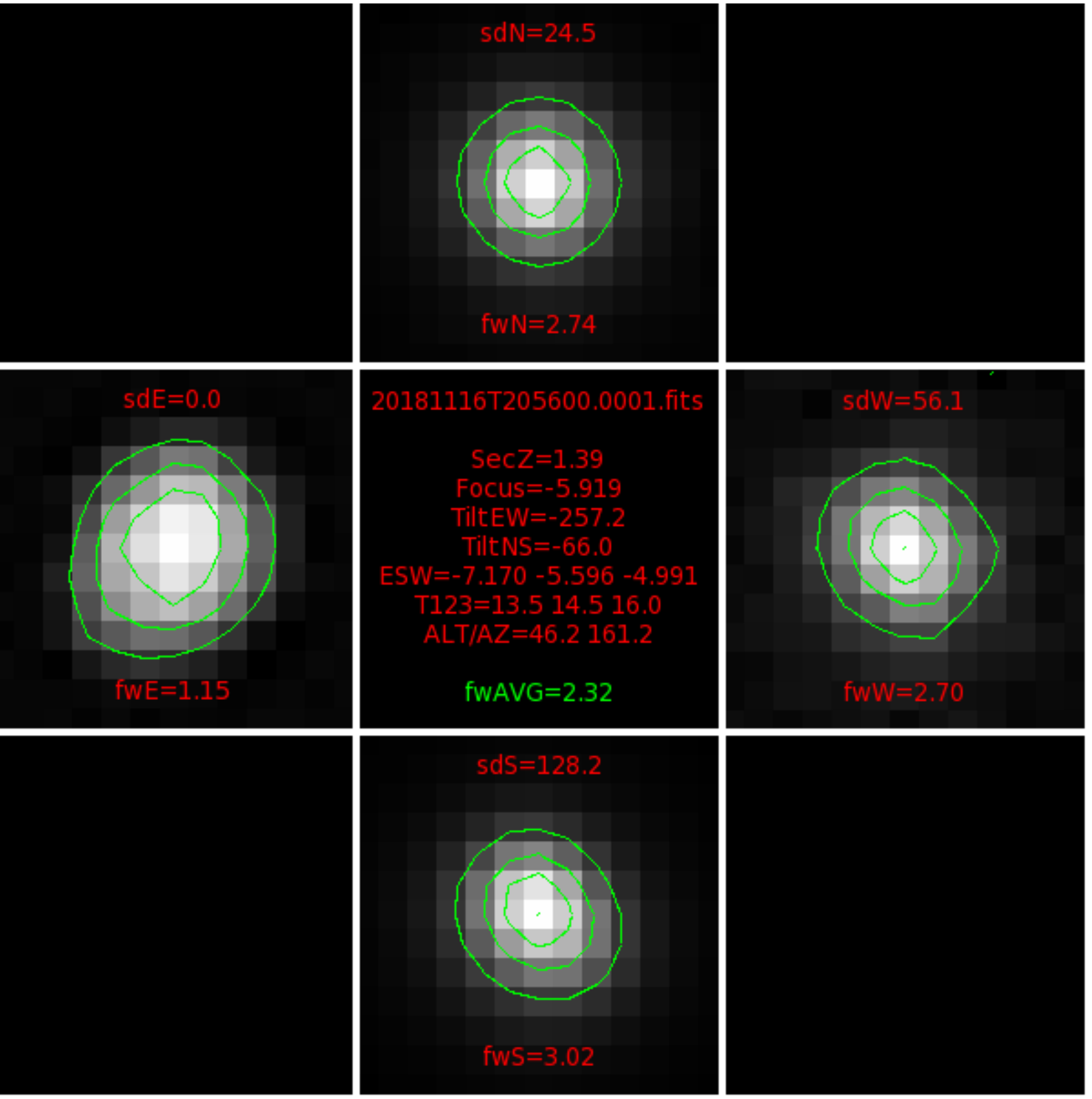

sdN=19.5
fwN=2.44
sdE=0.0
fwE=0.00
20181116T204857.0001.fits
SecZ=1.40
Focus=-5.952
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.203 -5.629 -5.024
T123=13.6 14.6 16.2
ALT/AZ=45.6 158.8
sdW=25.7
fwW=2.44
sdS=61.8
fwS=2.59
0 0 0 0 0 0 0 0 0

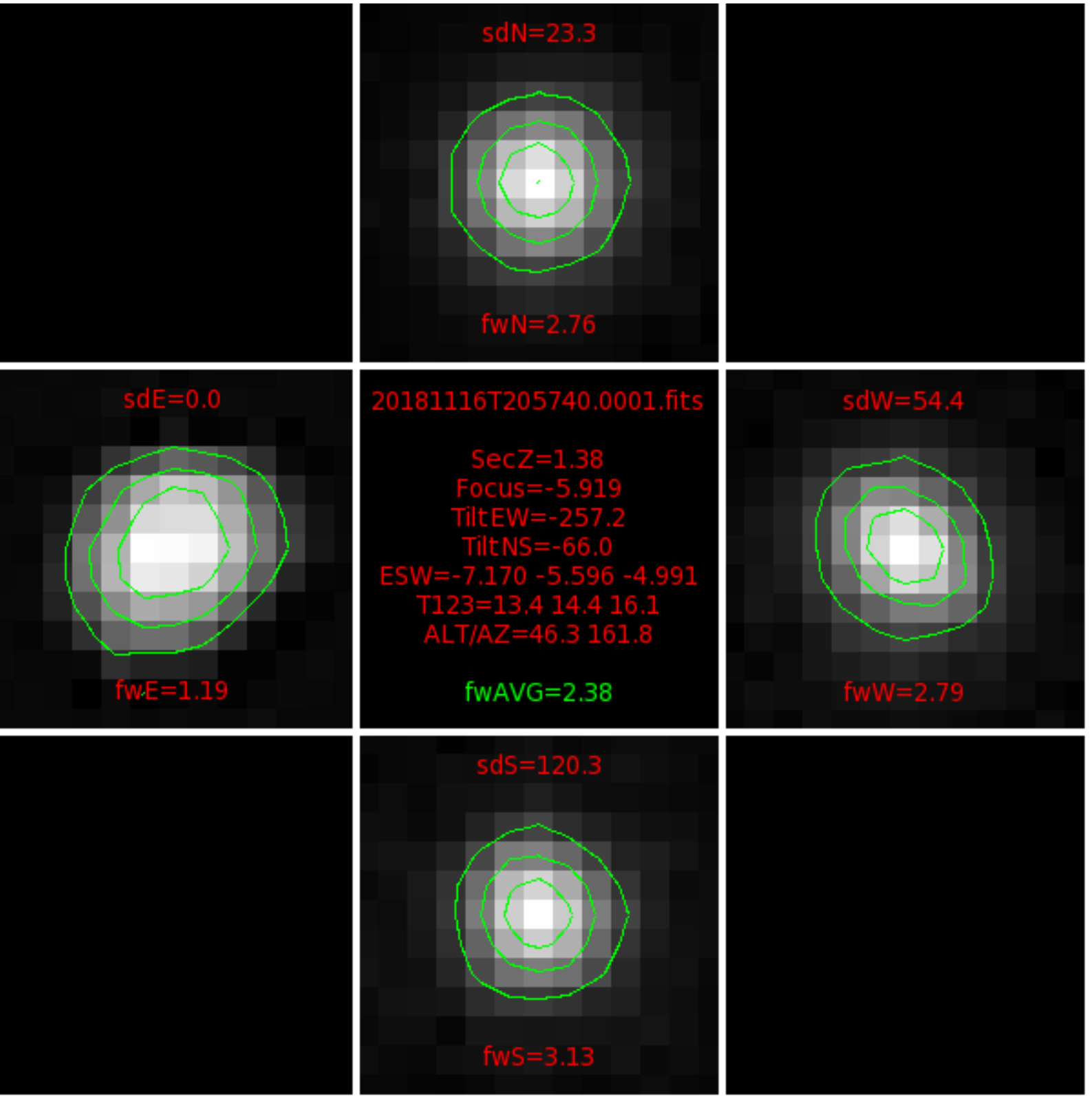

sdN=21.3
fwN=2.70
sdE=0.0
fwE=0.00
20181116T205021.0001.fits
SecZ=1.40
Focus=-5.925
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.176 -5.602 -4.997
T123=13.6 14.6 16.1
ALT/AZ=45.7 159.3
sdW=24.0
fwW=3.03
sdS=45.4
fwS=3.06
0 0 0 0 0 0 0 0 0

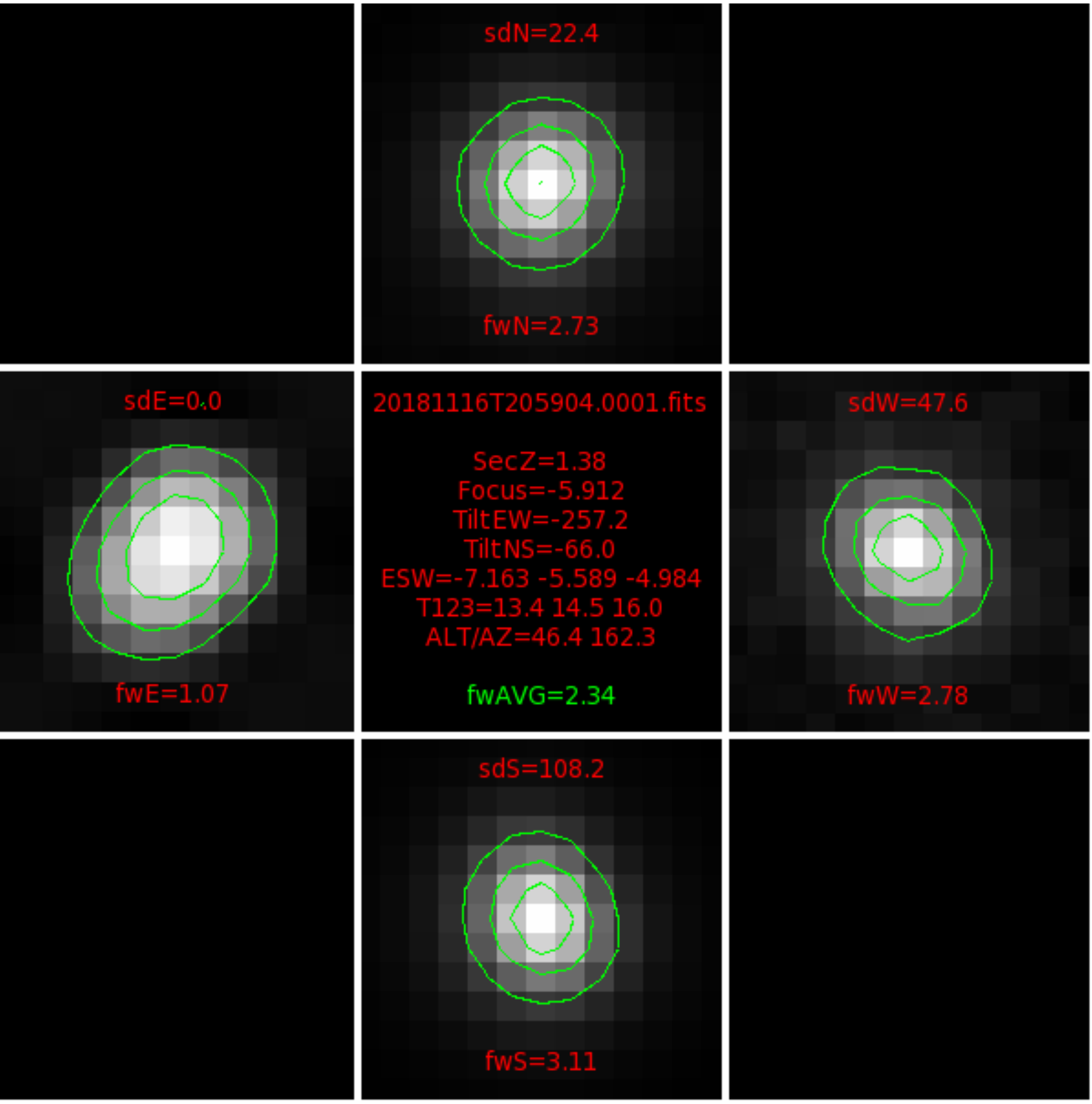

sdN=23.9
fwN=2.34
sdE=0.0
fwE=0.00
20181116T205145.0001.fits
SecZ=1.39
Focus=-5.925
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.176 -5.602 -4.997
T123=13.5 14.5 16.1
ALT/AZ=45.9 159.8
sdW=21.5
fwW=3.06
sdS=28.3
fwS=3.07
0 0 0 0 0 0 0 0 0

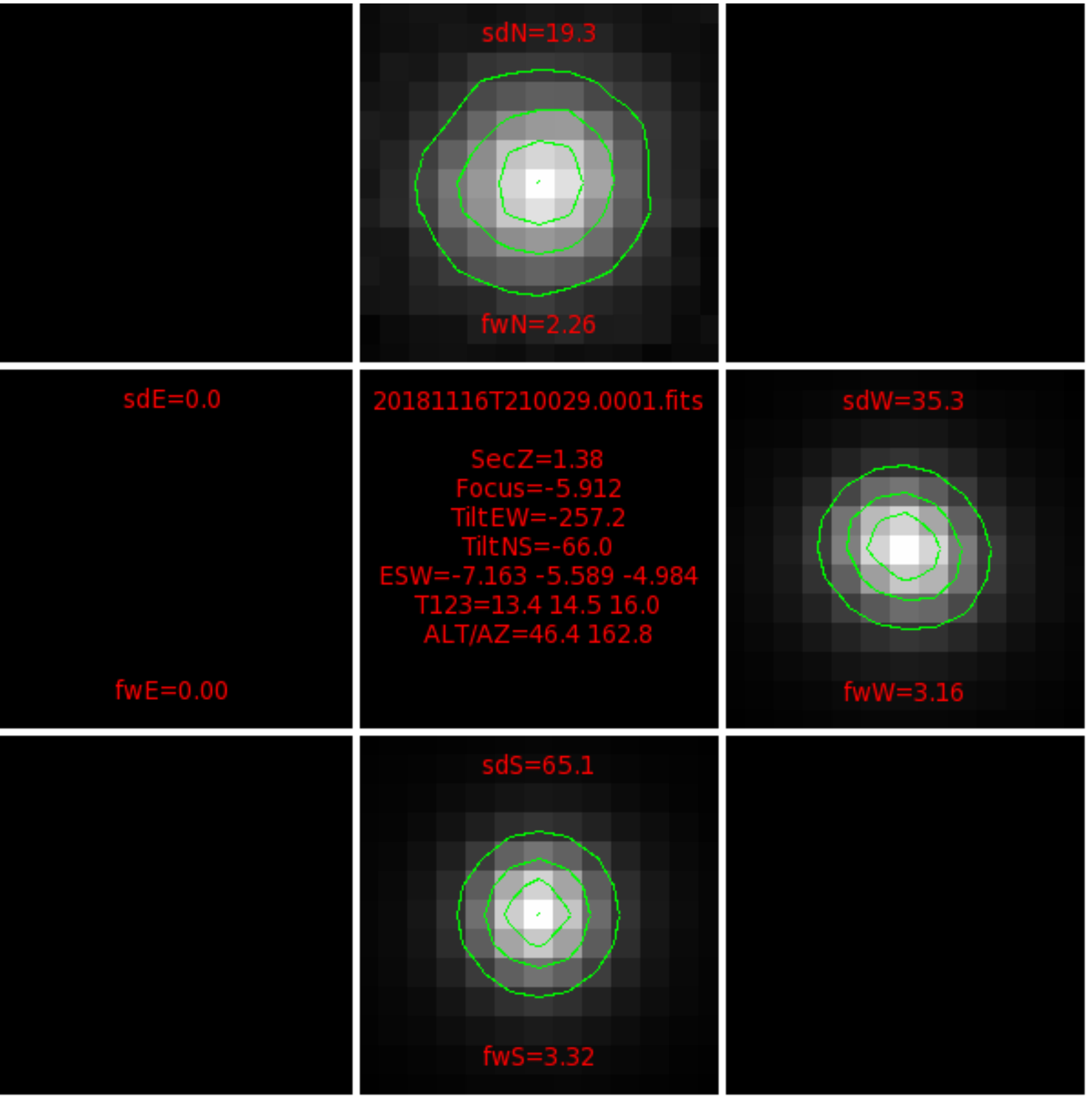

sdN=19.6
fwN=2.61
sdE=0.0
fwE=0.00
20181116T205309.0001.fits
SecZ=1.39
Focus=-5.919
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.170 -5.596 -4.991
T123=13.5 14.6 16.1
ALT/AZ=46.0 160.2
sdW=26.3
fwW=2.69
sdS=47.2
fwS=2.78
0 0 0 0 0 0 0 0 0

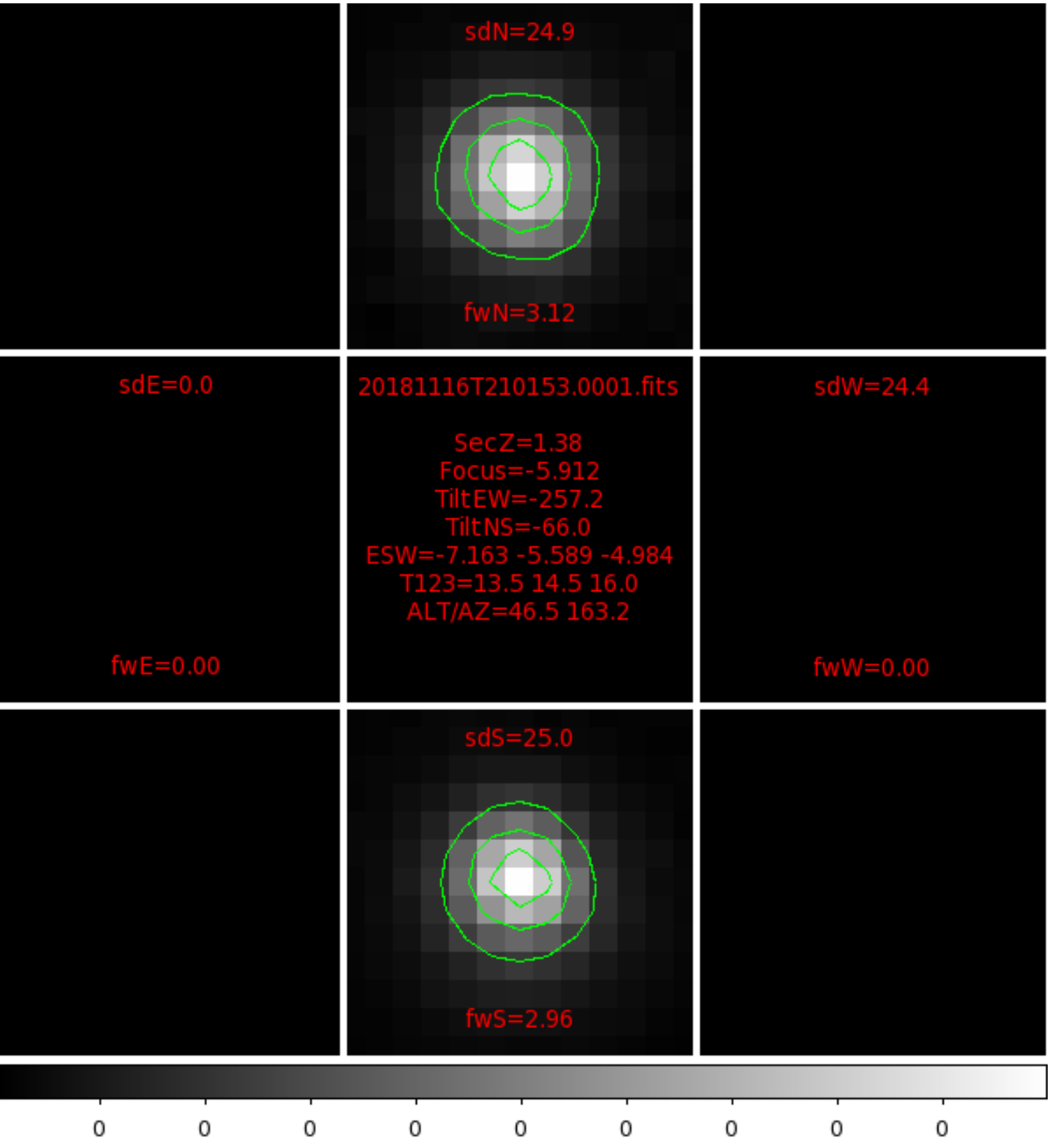

sdN=23.6
fwN=2.66
sdE=0.0
fwE=0.00
20181116T205434.0001.fits
SecZ=1.39
Focus=-5.919
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.170 -5.596 -4.991
T123=13.5 14.5 16.1
ALT/AZ=46.1 160.7
sdW=50.5
fwW=2.66
sdS=99.5
fwS=2.95
0 0 0 0 0 0 0 0 0

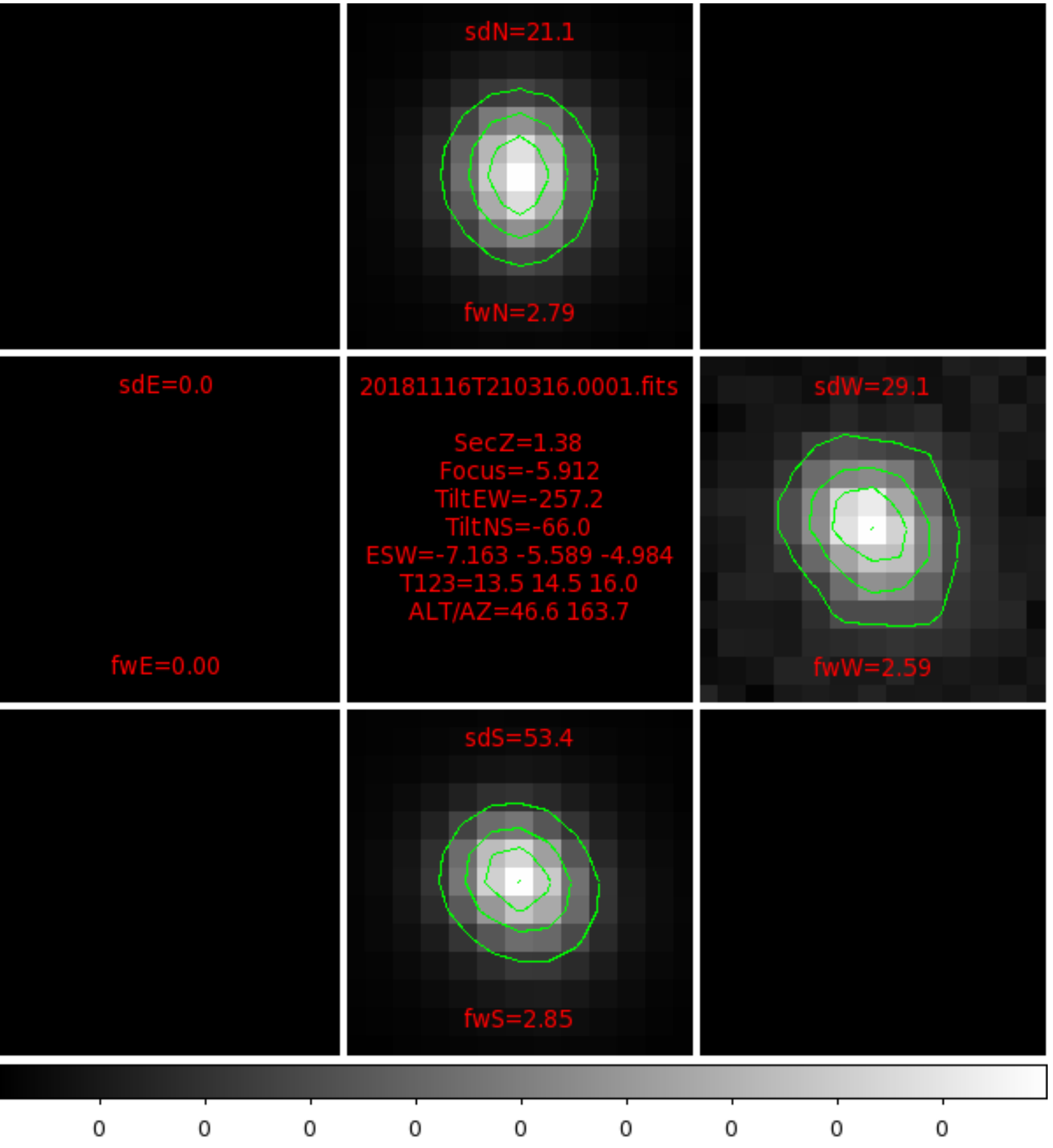

sdN=24.5
fwN=2.74
sdE=0.0
fwE=1.15
20181116T205600.0001.fits
SecZ=1.39
Focus=-5.919
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.170 -5.596 -4.991
T123=13.5 14.5 16.0
ALT/AZ=46.2 161.2
fwAVG=2.32
sdW=56.1
fwW=2.70
sdS=128.2
fwS=3.02
0 0 0 0 0 0 0 0 0

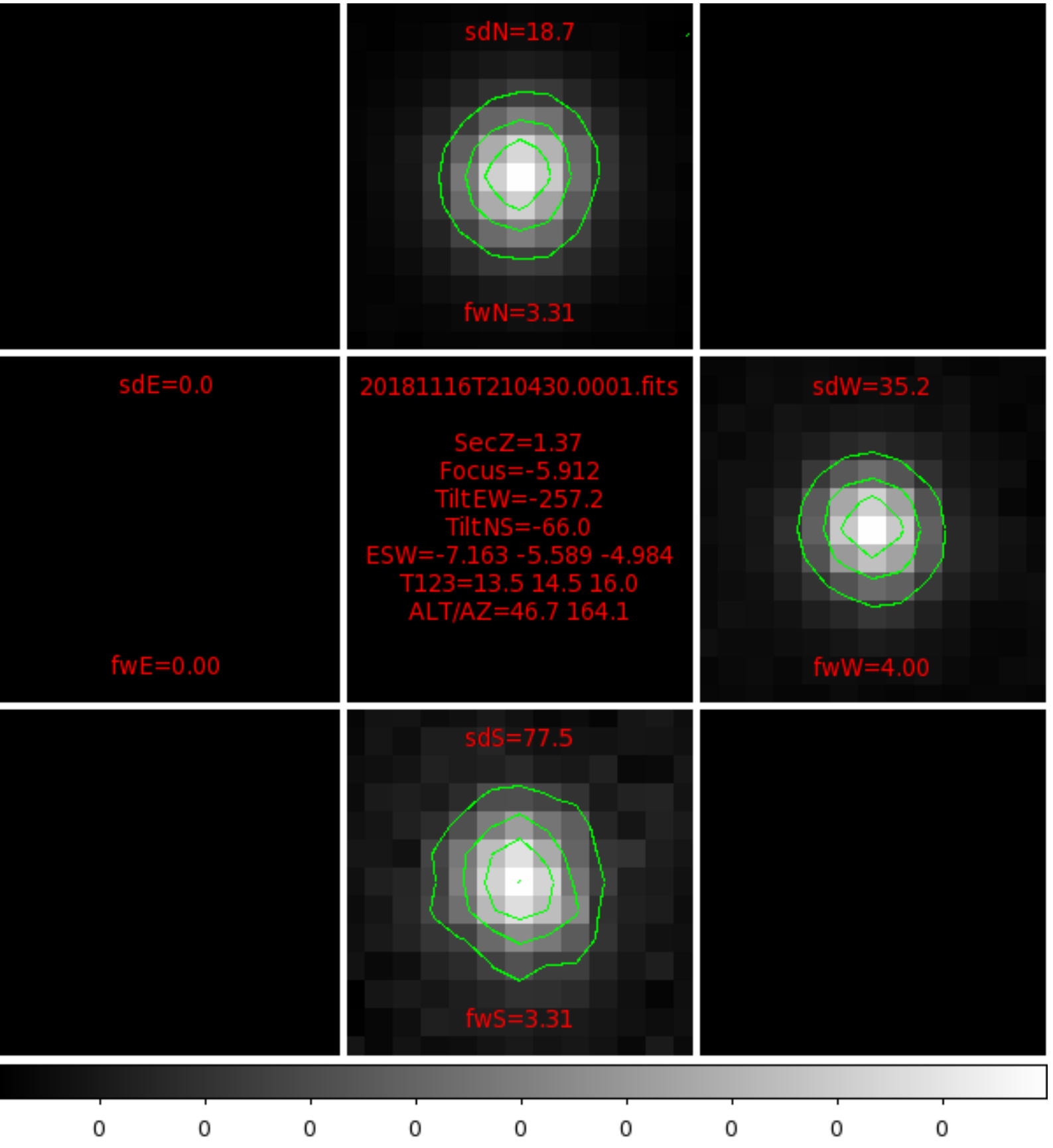

sdN=23.3
fwN=2.76
sdE=0.0
fwE=1.19
20181116T205740.0001.fits
SecZ=1.38
Focus=-5.919
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.170 -5.596 -4.991
T123=13.4 14.4 16.1
ALT/AZ=46.3 161.8
fwAVG=2.38
sdW=54.4
fwW=2.79
sdS=120.3
fwS=3.13
0 0 0 0 0 0 0 0 0

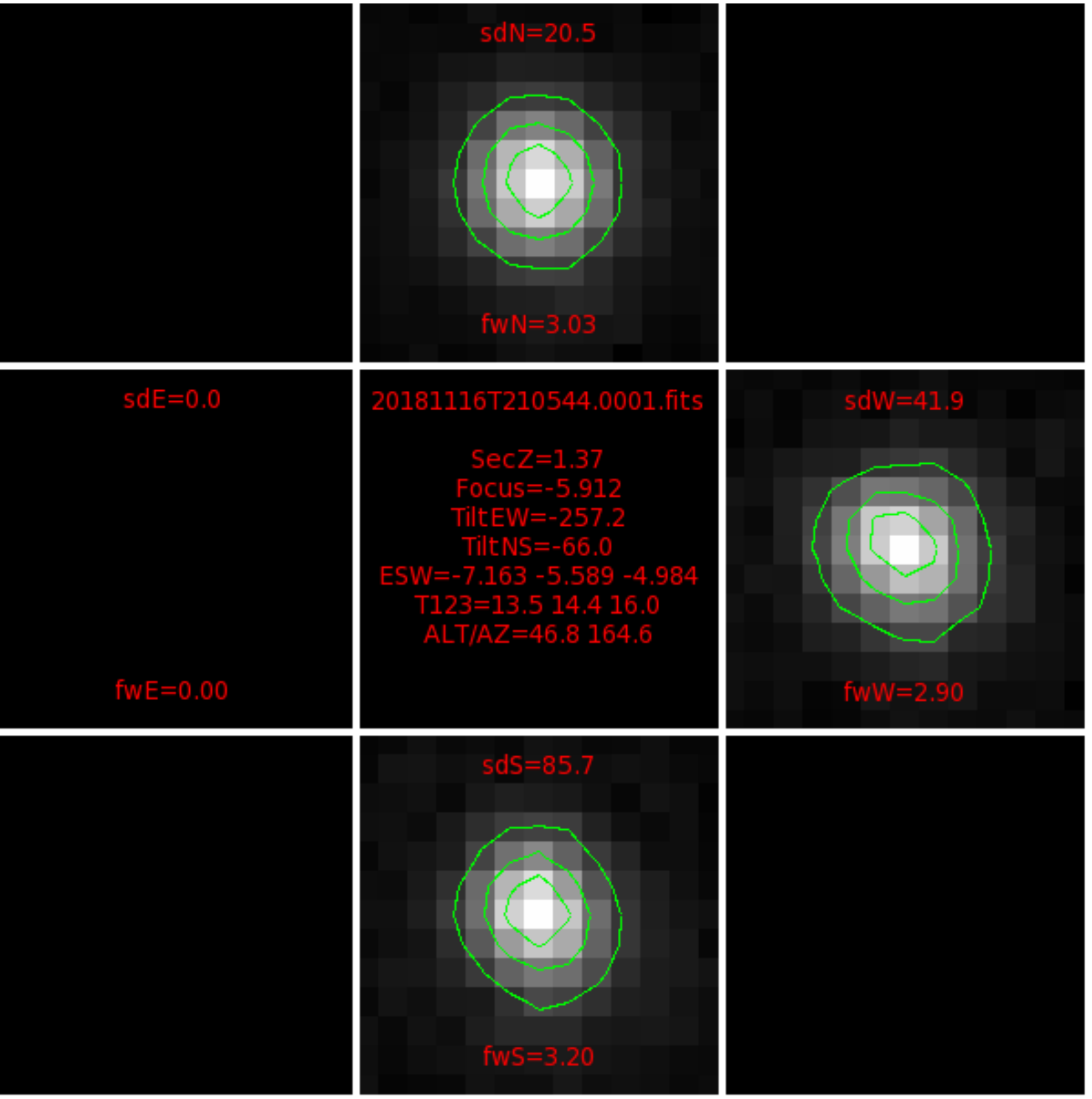

sdN=22.4
fwN=2.73
sdE=0.0
fwE=1.07
20181116T205904.0001.fits
SecZ=1.38
Focus=-5.912
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.163 -5.589 -4.984
T123=13.4 14.5 16.0
ALT/AZ=46.4 162.3
fwAVG=2.34
sdW=47.6
fwW=2.78
sdS=108.2
fwS=3.11
0 0 0 0 0 0 0 0 0

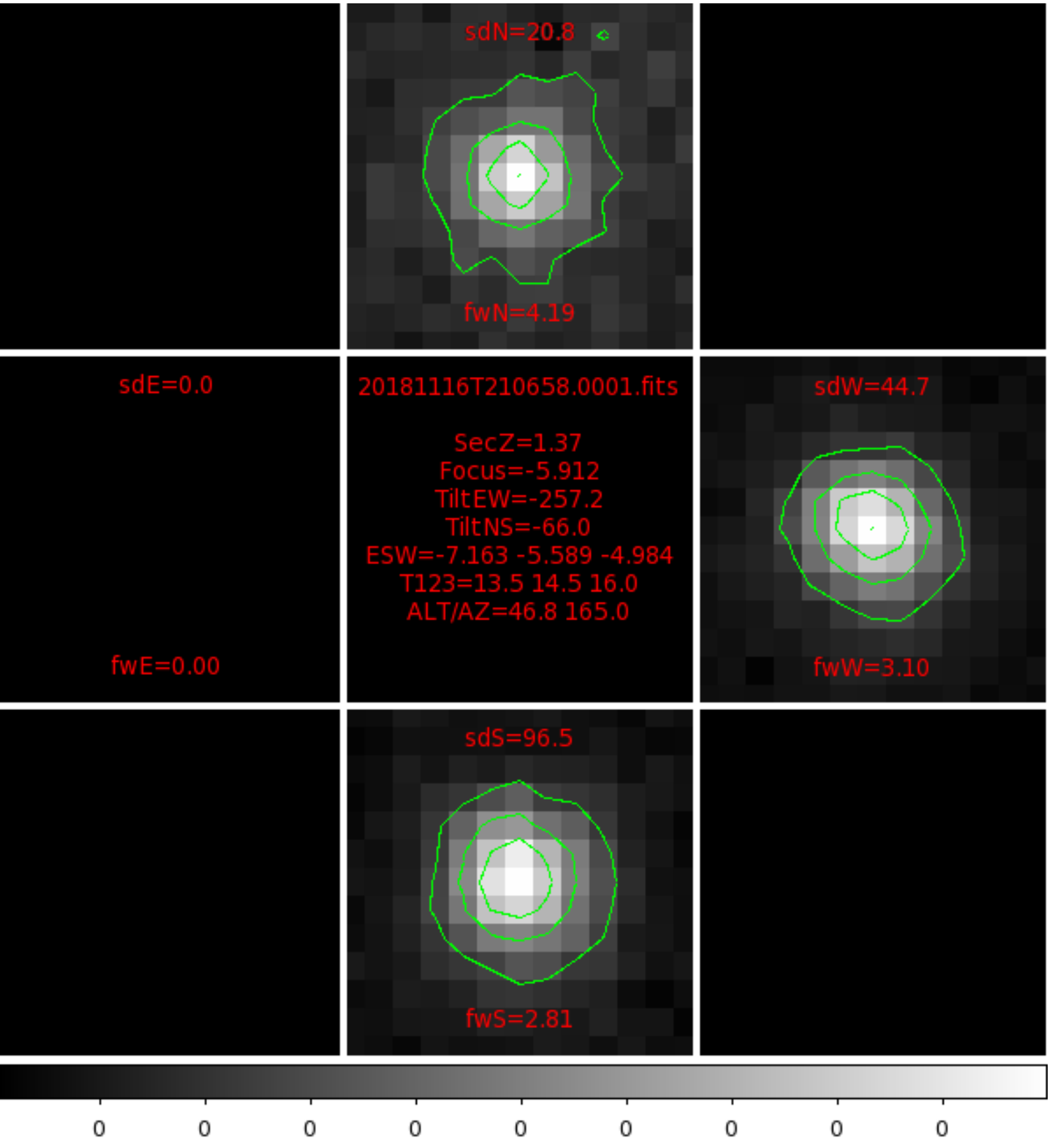

sdN=19.3
fwN=2.26
sdE=0.0
fwE=0.00
20181116T210029.0001.fits
SecZ=1.38
Focus=-5.912
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.163 -5.589 -4.984
T123=13.4 14.5 16.0
ALT/AZ=46.4 162.8
sdW=35.3
fwW=3.16
sdS=65.1
fwS=3.32
0 0 0 0 0 0 0 0 0

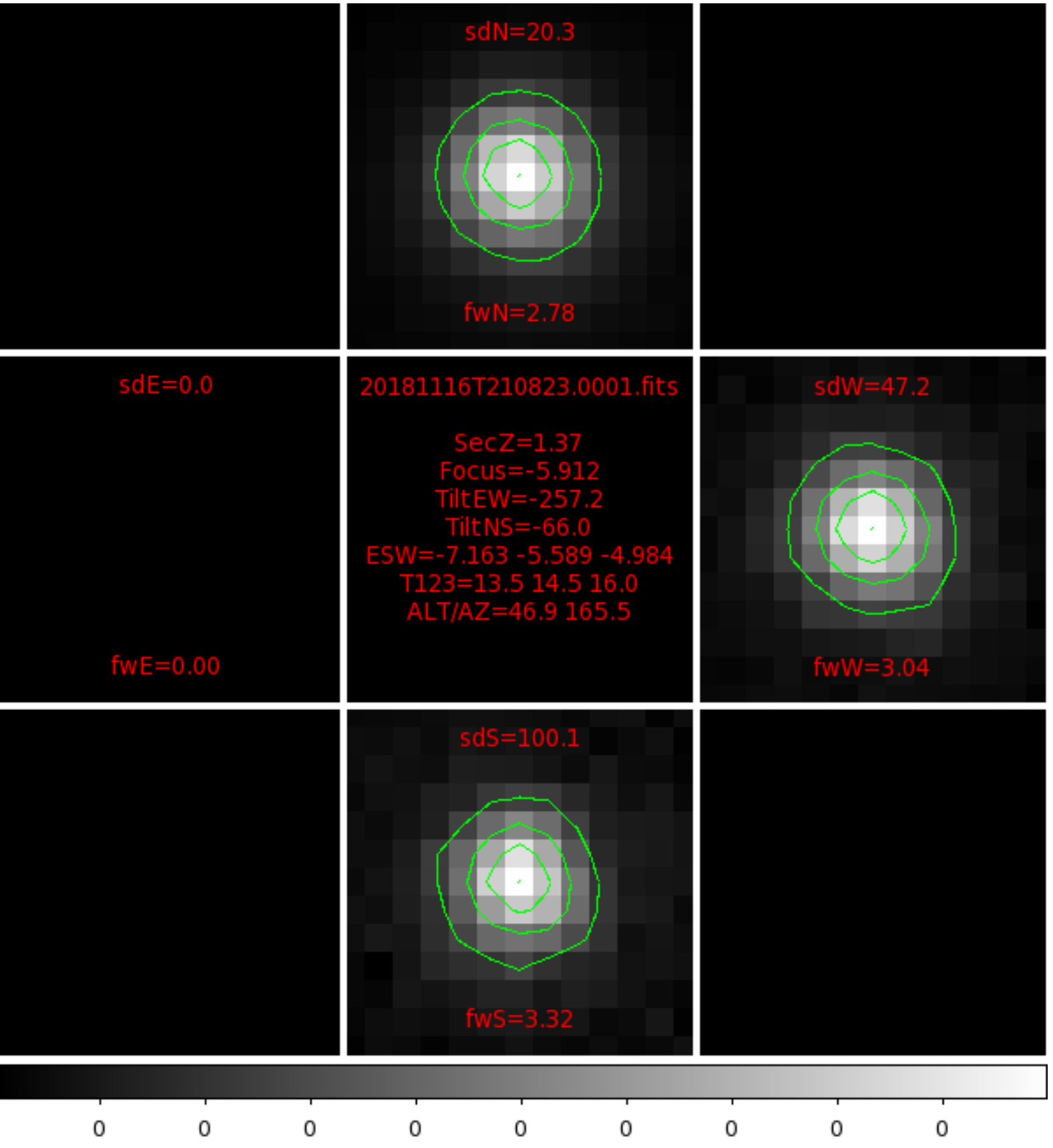

sdN=24.9
fwN=3.12
sdE=0.0
fwE=0.00
20181116T210153.0001.fits
SecZ=1.38
Focus=-5.912
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.163 -5.589 -4.984
T123=13.5 14.5 16.0
ALT/AZ=46.5 163.2
sdW=24.4
fwW=0.00
sdS=25.0
fwS=2.96
0 0 0 0 0 0 0 0 0

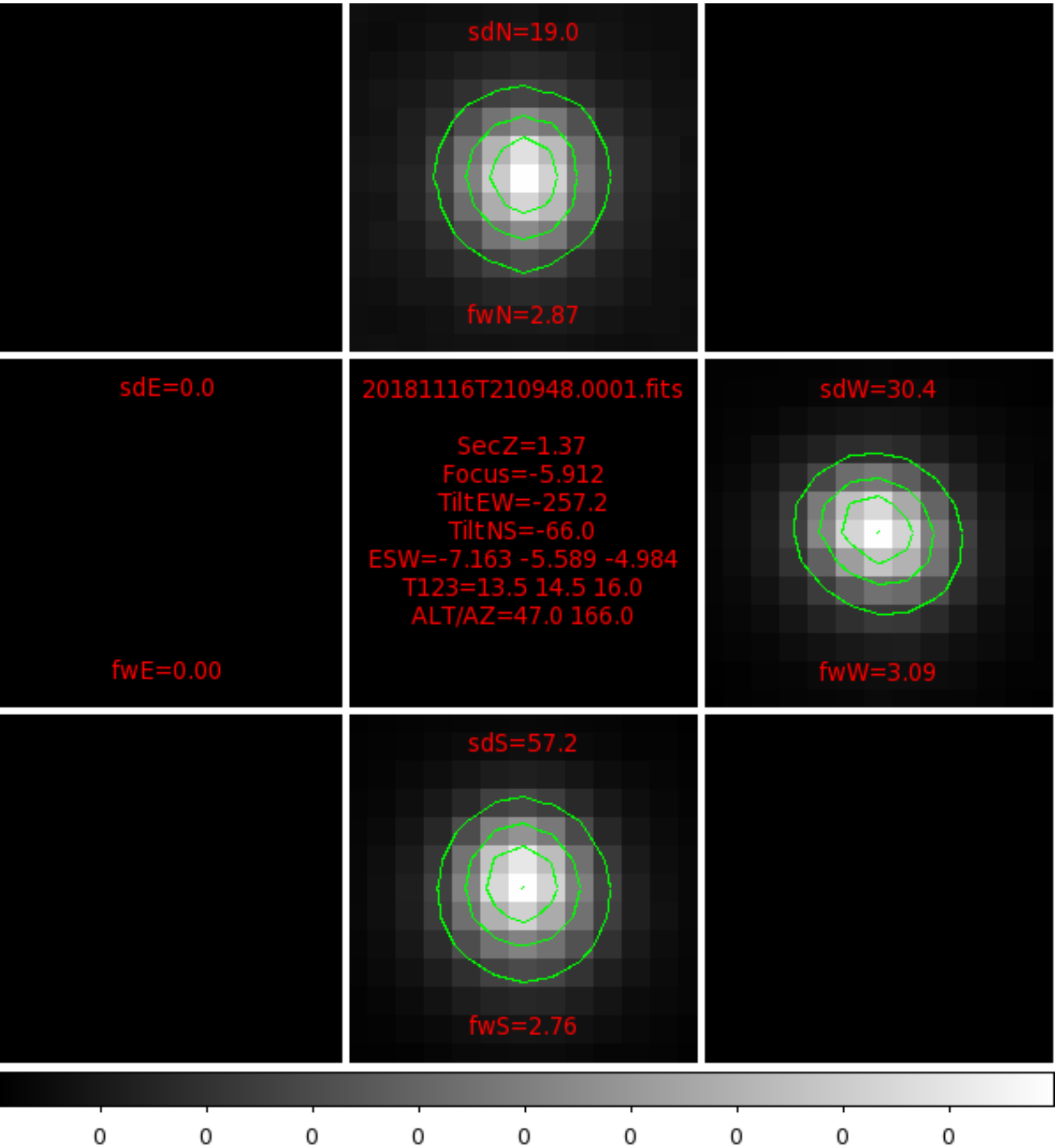

sdN=21.1
fwN=2.79
sdE=0.0
fwE=0.00
20181116T210316.0001.fits
SecZ=1.38
Focus=-5.912
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.163 -5.589 -4.984
T123=13.5 14.5 16.0
ALT/AZ=46.6 163.7
sdW=29.1
fwW=2.59
sdS=53.4
fwS=2.85
0 0 0 0 0 0 0 0 0

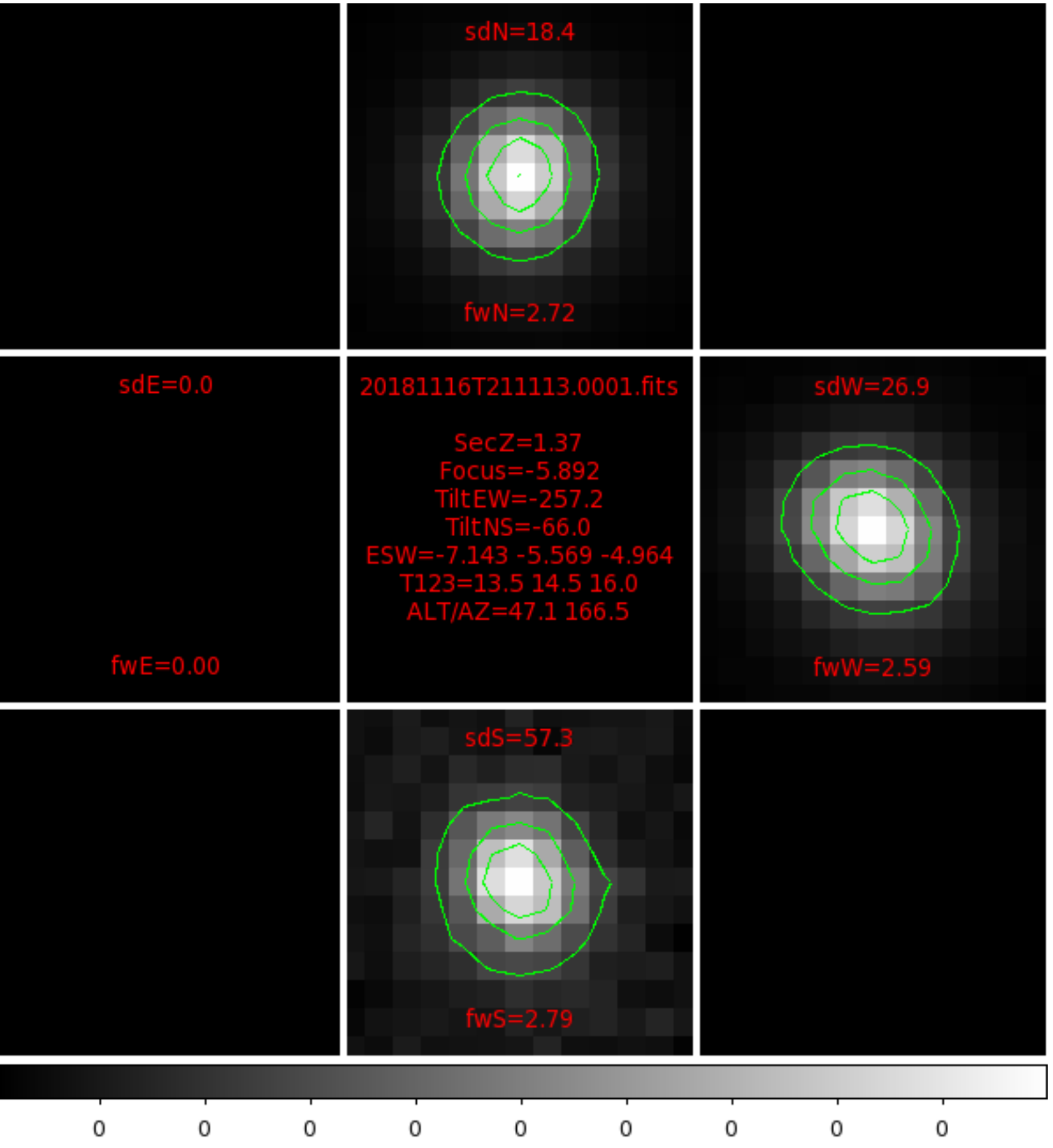

sdN=18.7
fwN=3.31
sdE=0.0
fwE=0.00
20181116T210430.0001.fits
SecZ=1.37
Focus=-5.912
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.163 -5.589 -4.984
T123=13.5 14.5 16.0
ALT/AZ=46.7 164.1
sdW=35.2
fwW=4.00
sdS=77.5
fwS=3.31
0 0 0 0 0 0 0 0 0

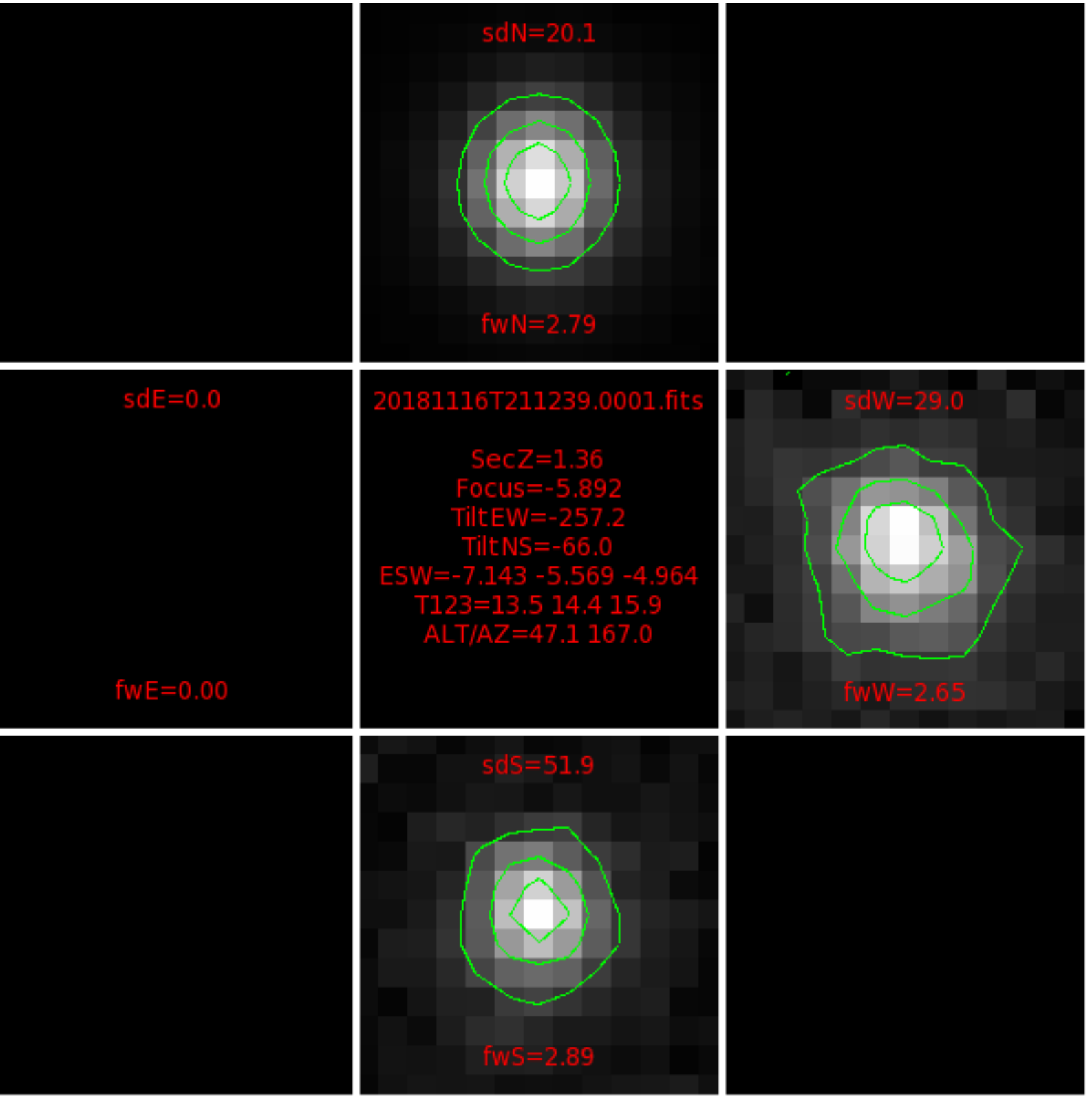

sdN=20.5
fwN=3.03
sdE=0.0
fwE=0.00
20181116T210544.0001.fits
SecZ=1.37
Focus=-5.912
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.163 -5.589 -4.984
T123=13.5 14.4 16.0
ALT/AZ=46.8 164.6
sdW=41.9
fwW=2.90
sdS=85.7
fwS=3.20
0 0 0 0 0 0 0 0 0

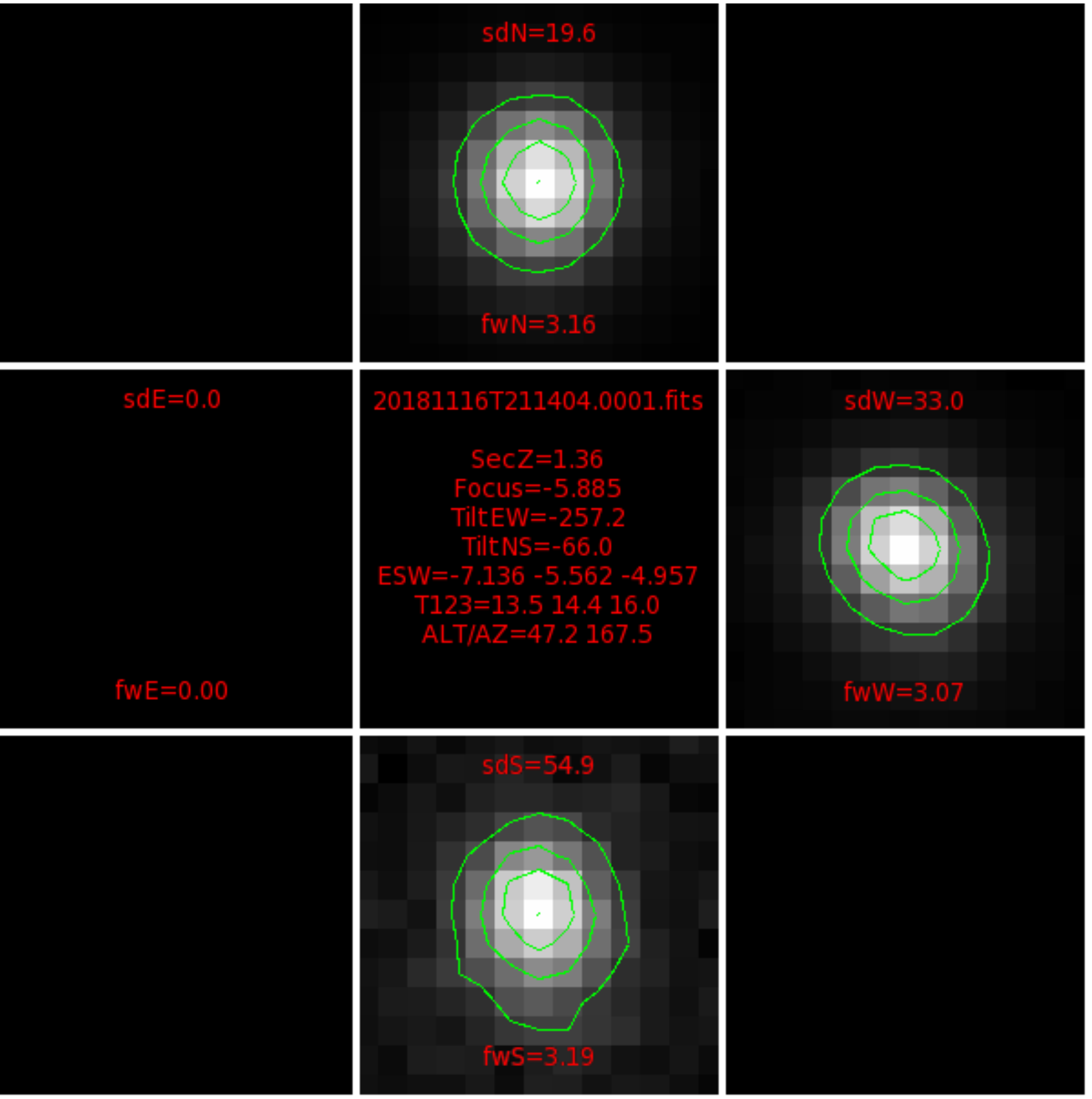

sdN=20.8
fwN=4.19
sdE=0.0
fwE=0.00
20181116T210658.0001.fits
SecZ=1.37
Focus=-5.912
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.163 -5.589 -4.984
T123=13.5 14.5 16.0
ALT/AZ=46.8 165.0
sdW=44.7
fwW=3.10
sdS=96.5
fwS=2.81
0 0 0 0 0 0 0 0 0

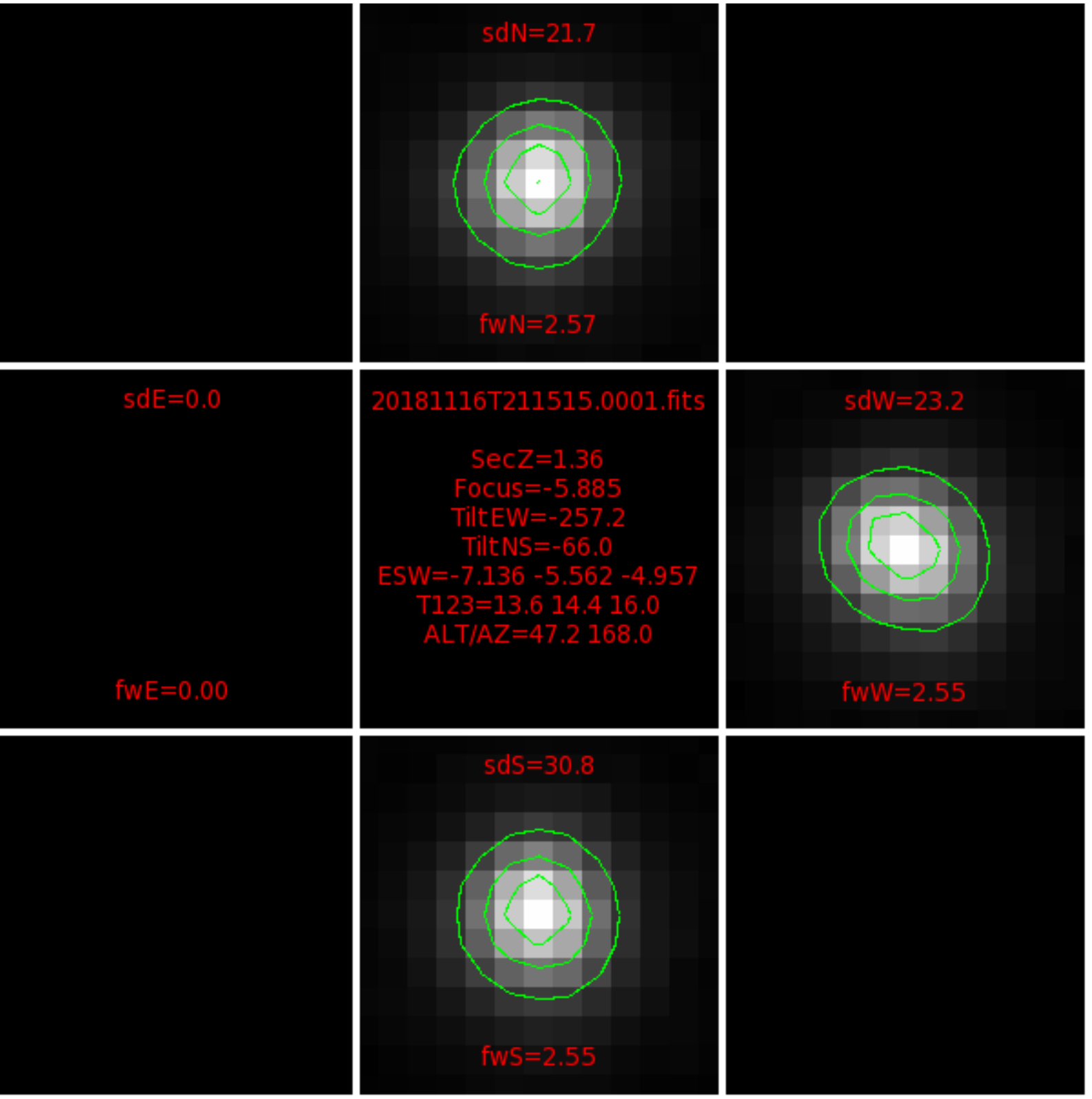

sdN=20.3
fwN=2.78
sdE=0.0
fwE=0.00
20181116T210823.0001.fits
SecZ=1.37
Focus=-5.912
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.163 -5.589 -4.984
T123=13.5 14.5 16.0
ALT/AZ=46.9 165.5
sdW=47.2
fwW=3.04
sdS=100.1
fwS=3.32
0 0 0 0 0 0 0 0 0

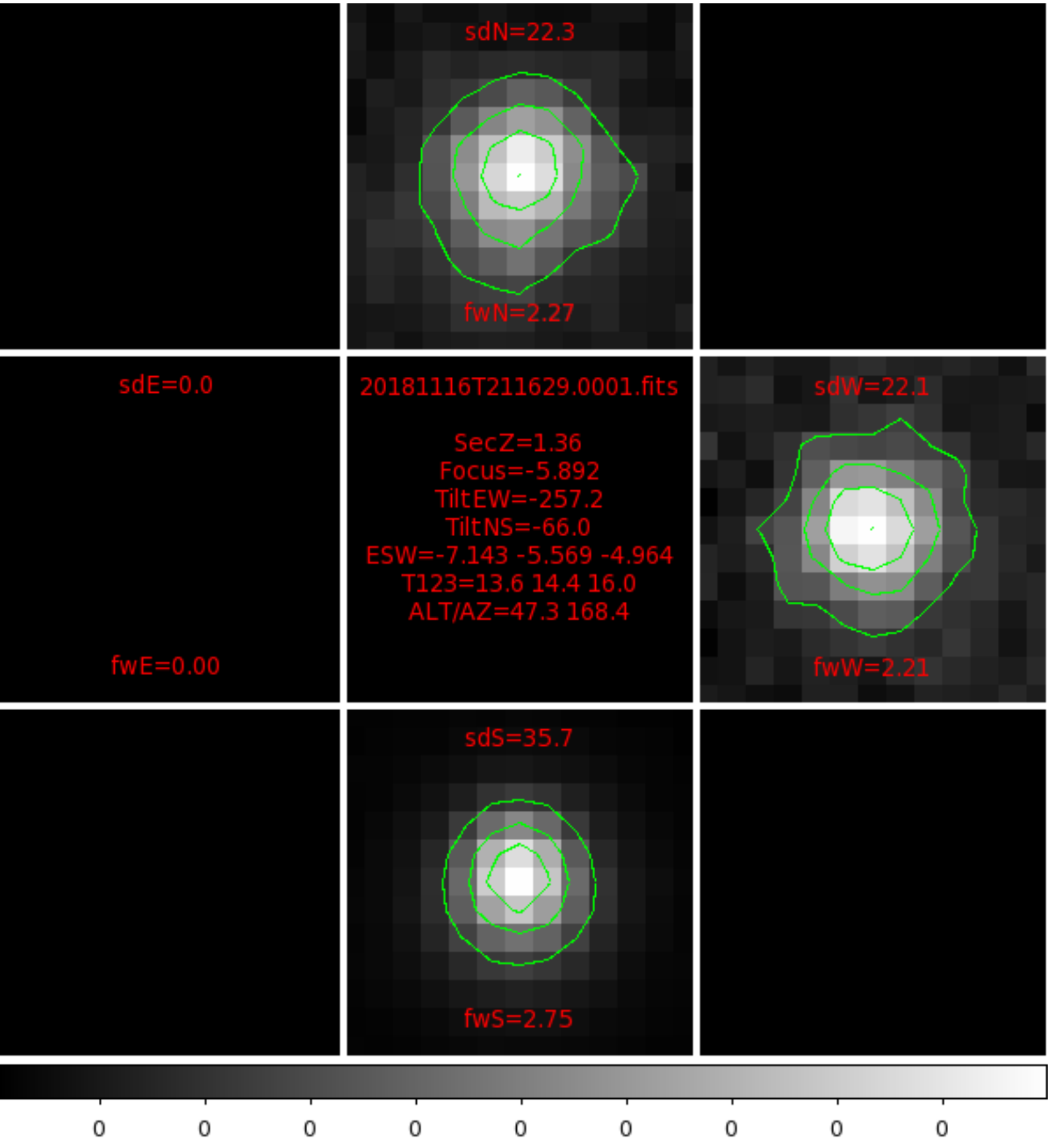

sdN=19.0
fwN=2.87
sdE=0.0
fwE=0.00
20181116T210948.0001.fits
SecZ=1.37
Focus=-5.912
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.163 -5.589 -4.984
T123=13.5 14.5 16.0
ALT/AZ=47.0 166.0
sdW=30.4
fwW=3.09
sdS=57.2
fwS=2.76
0 0 0 0 0 0 0 0 0

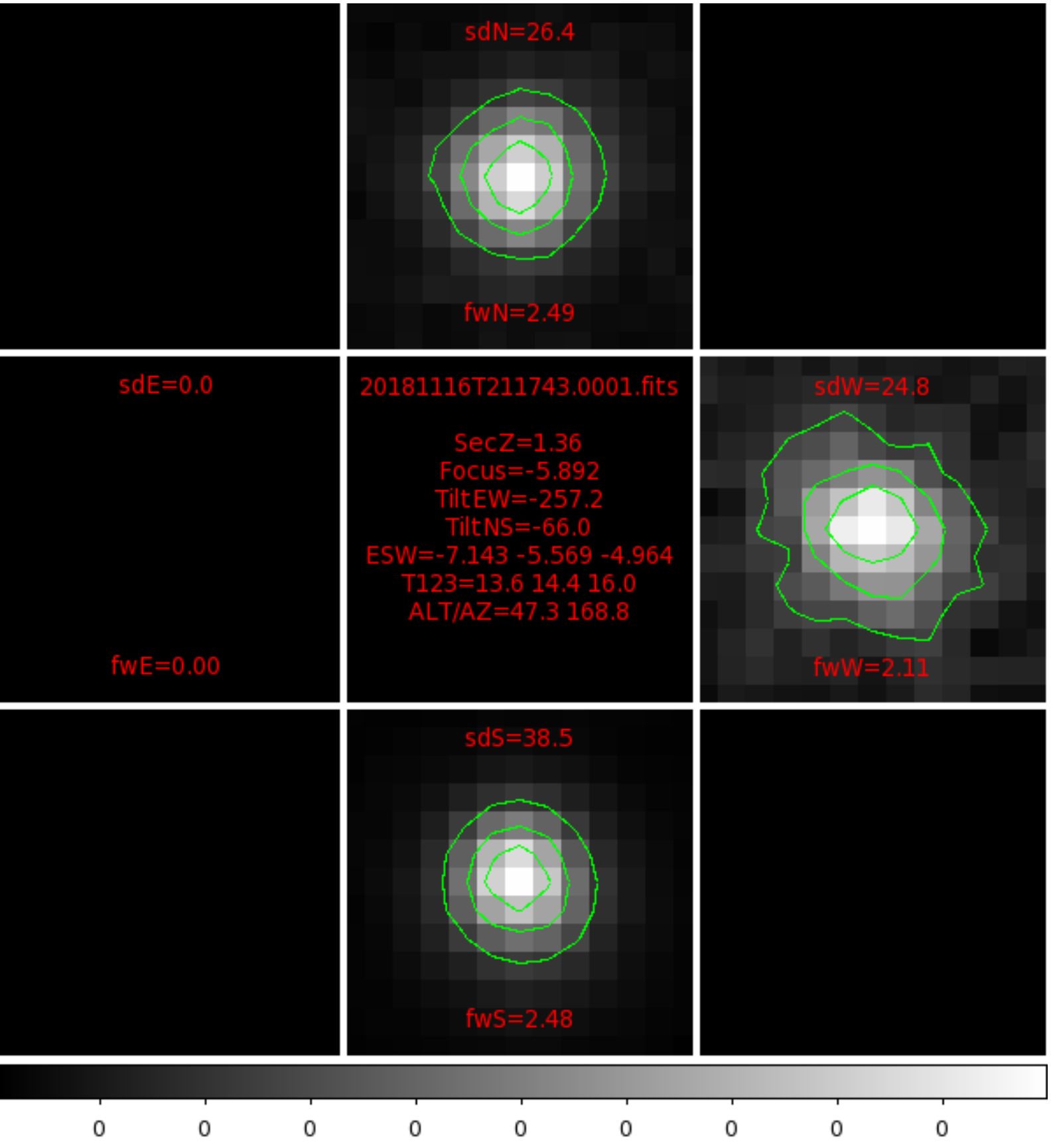

sdN=18.4
fwN=2.72
sdE=0.0
fwE=0.00
20181116T211113.0001.fits
SecZ=1.37
Focus=-5.892
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.143 -5.569 -4.964
T123=13.5 14.5 16.0
ALT/AZ=47.1 166.5
sdW=26.9
fwW=2.59
sdS=57.3
fwS=2.79
0 0 0 0 0 0 0 0 0

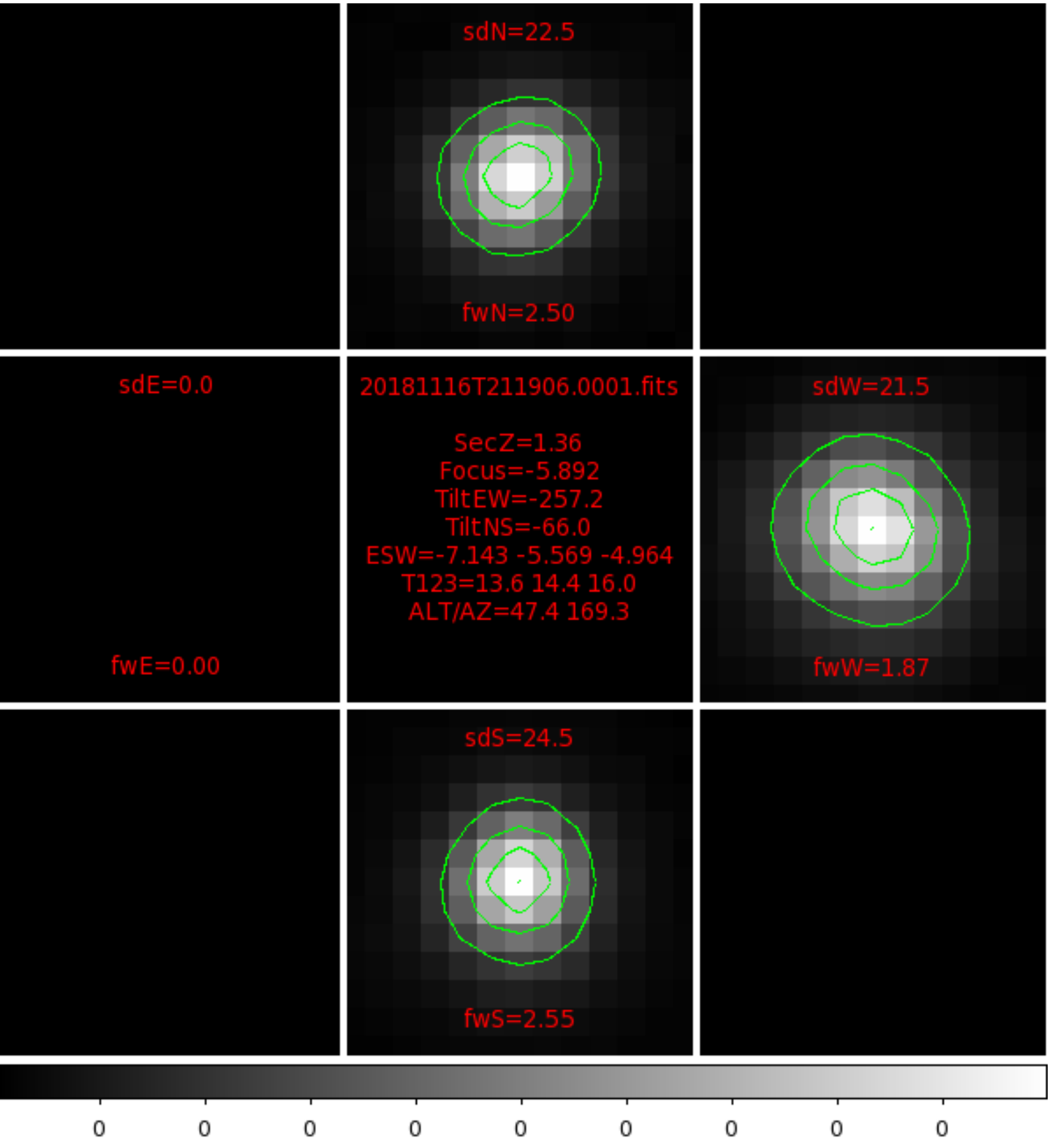

sdN=20.1
fwN=2.79
sdE=0.0
fwE=0.00
20181116T211239.0001.fits
SecZ=1.36
Focus=-5.892
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.143 -5.569 -4.964
T123=13.5 14.4 15.9
ALT/AZ=47.1 167.0
sdW=29.0
fwW=2.65
sdS=51.9
fwS=2.89
0 0 0 0 0 0 0 0 0

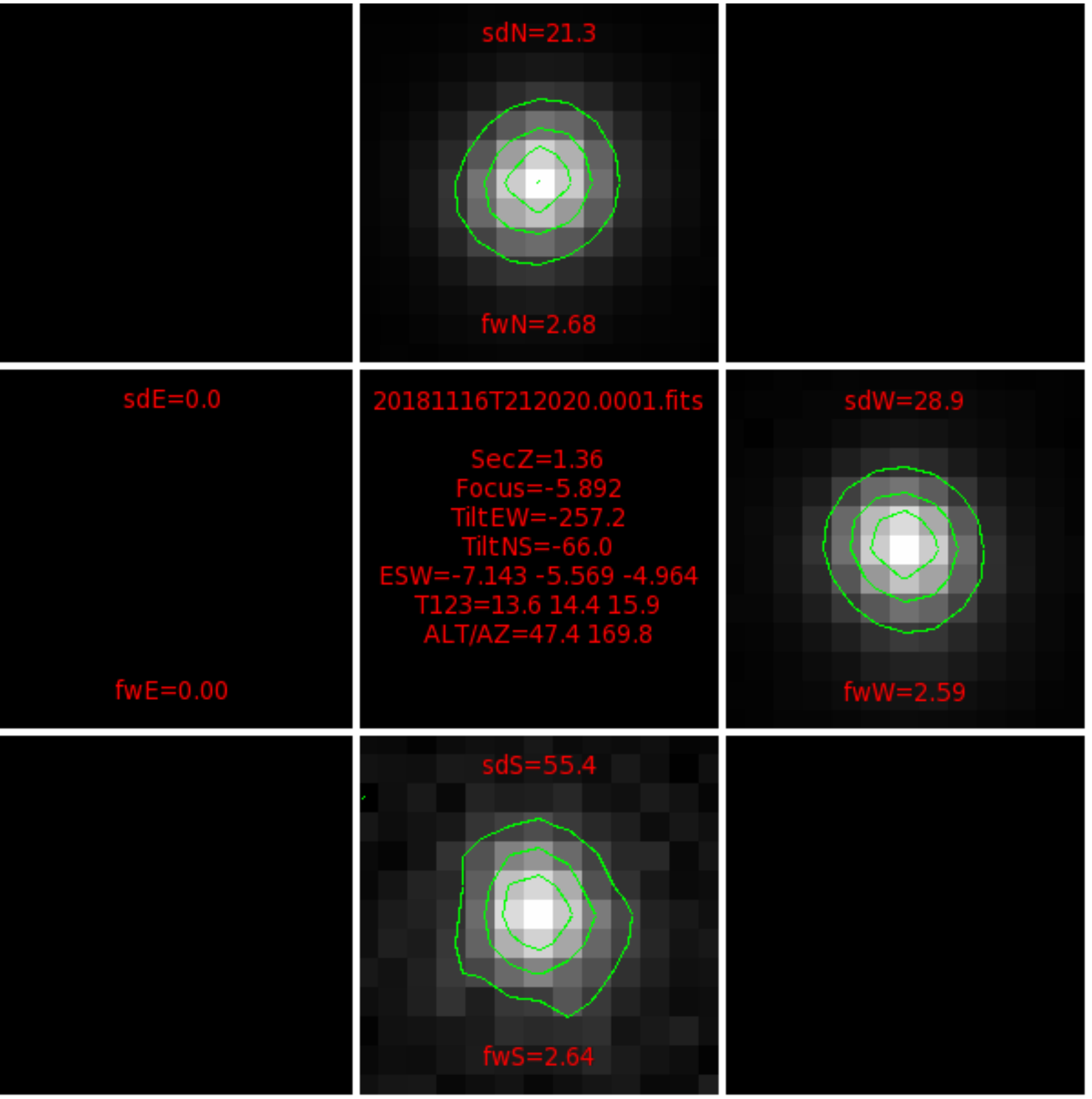

sdN=19.6
fwN=3.16
sdE=0.0
fwE=0.00
20181116T211404.0001.fits
SecZ=1.36
Focus=-5.885
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.136 -5.562 -4.957
T123=13.5 14.4 16.0
ALT/AZ=47.2 167.5
sdW=33.0
fwW=3.07
sdS=54.9
fwS=3.19
0 0 0 0 0 0 0 0 0

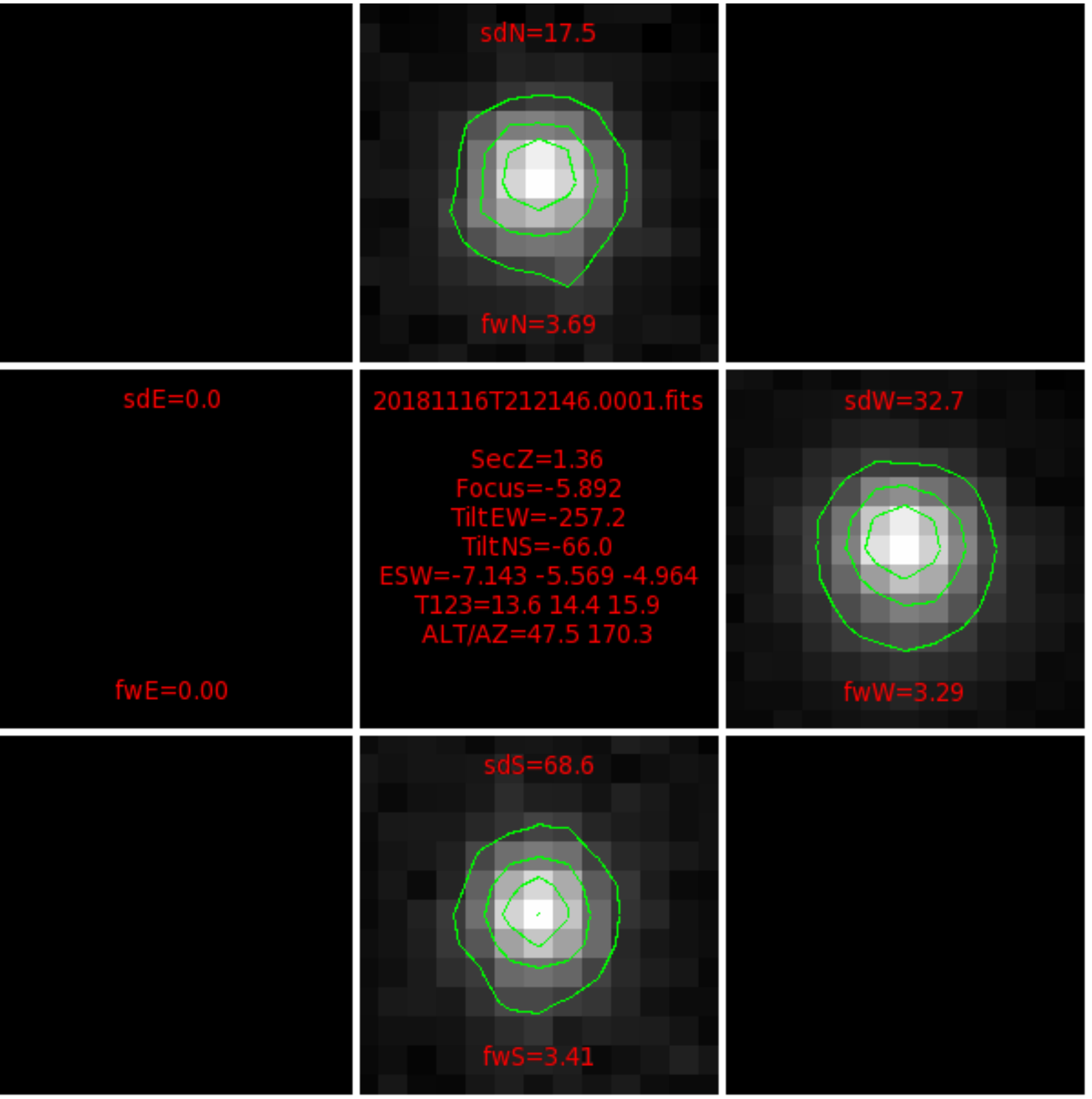

sdN=21.7
fwN=2.57
sdE=0.0
fwE=0.00
20181116T211515.0001.fits
SecZ=1.36
Focus=-5.885
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.136 -5.562 -4.957
T123=13.6 14.4 16.0
ALT/AZ=47.2 168.0
sdW=23.2
fwW=2.55
sdS=30.8
fwS=2.55
0 0 0 0 0 0 0 0 0

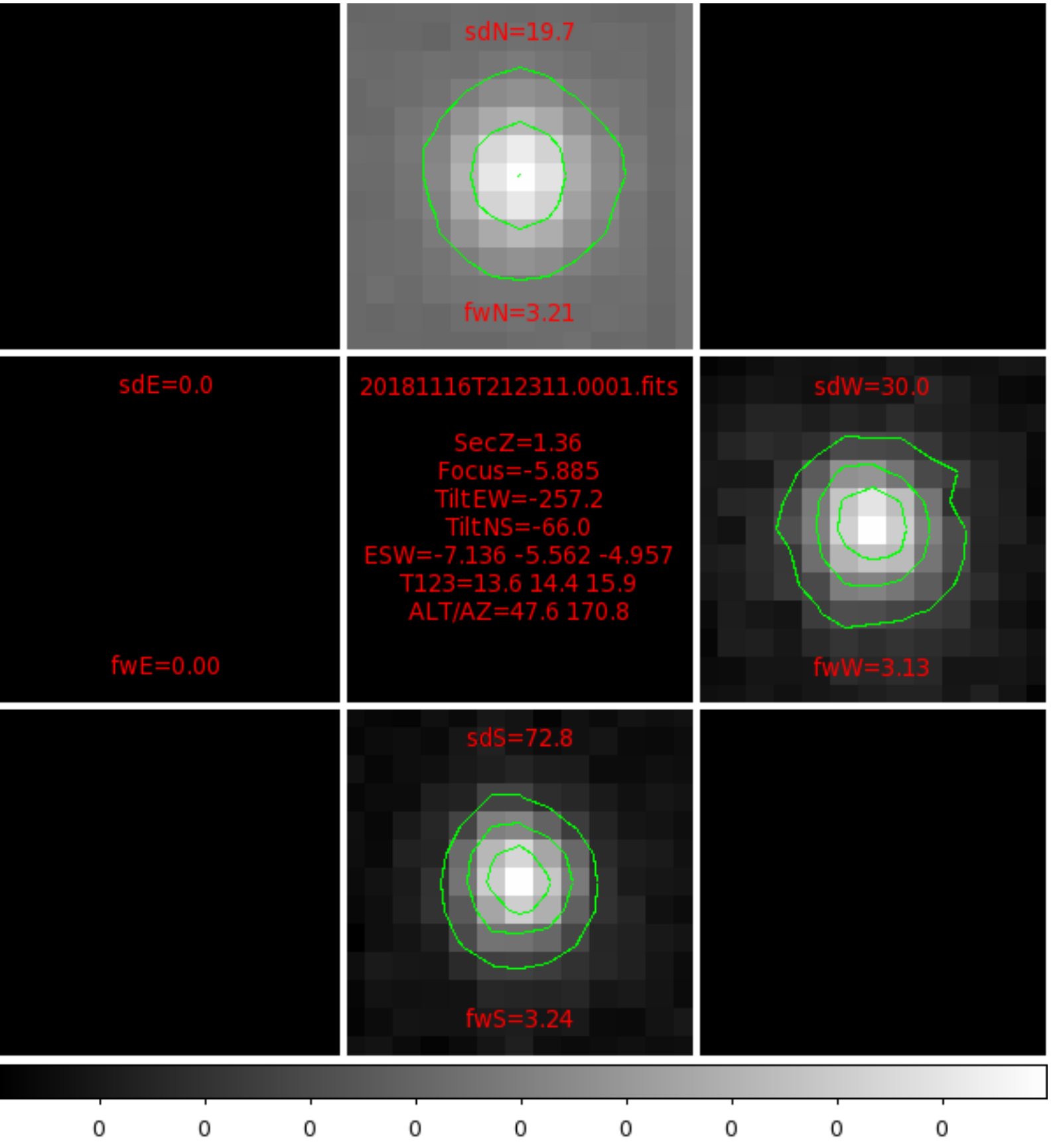

sdN=22.3
fwN=2.27
sdE=0.0
fwE=0.00
20181116T211629.0001.fits
SecZ=1.36
Focus=-5.892
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.143 -5.569 -4.964
T123=13.6 14.4 16.0
ALT/AZ=47.3 168.4
sdW=22.1
fwW=2.21
sdS=35.7
fwS=2.75
0 0 0 0 0 0 0 0 0

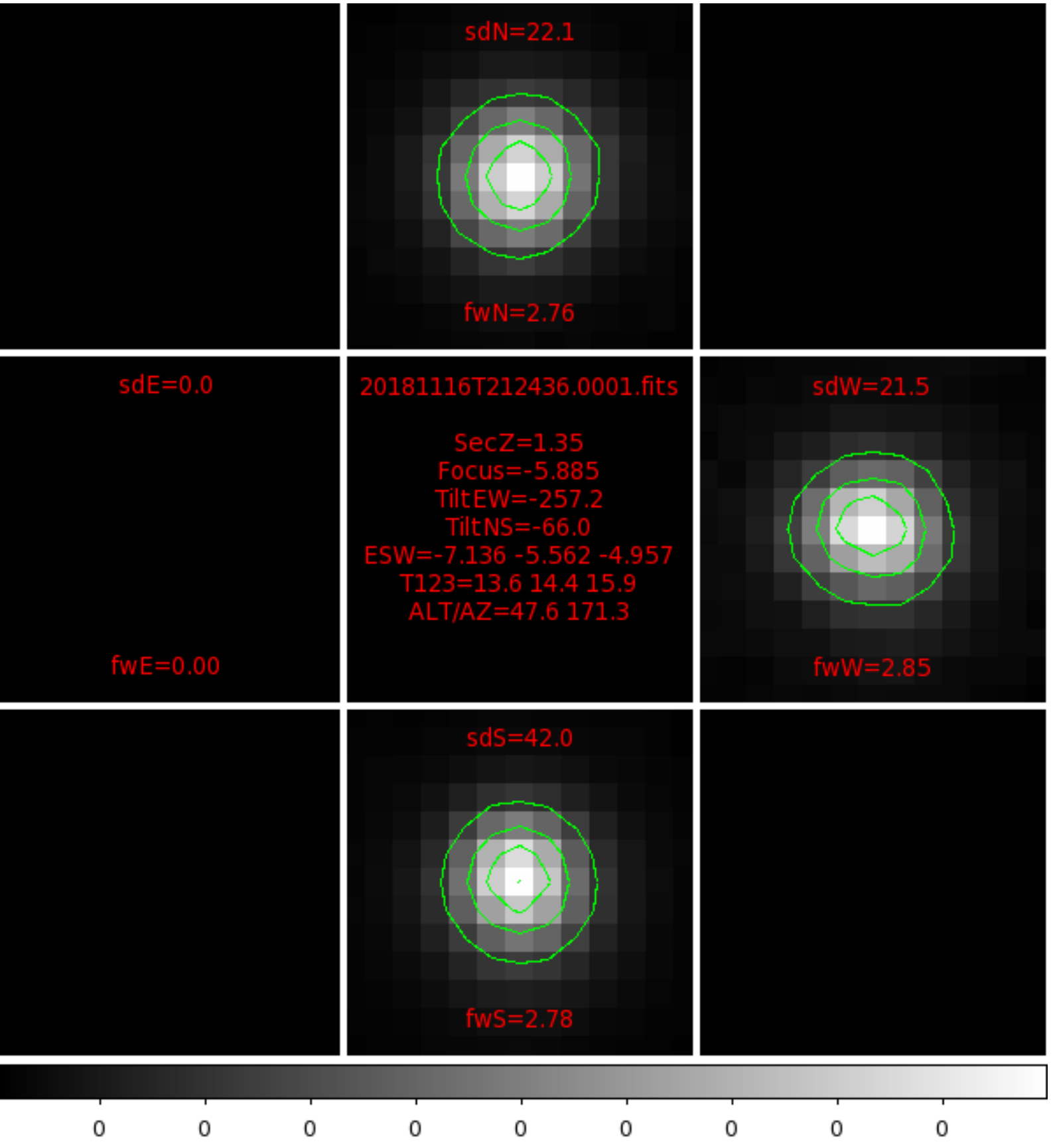

sdN=26.4
fwN=2.49
sdE=0.0
fwE=0.00
20181116T211743.0001.fits
SecZ=1.36
Focus=-5.892
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.143 -5.569 -4.964
T123=13.6 14.4 16.0
ALT/AZ=47.3 168.8
sdW=24.8
fwW=2.11
sdS=38.5
fwS=2.48
0 0 0 0 0 0 0 0 0

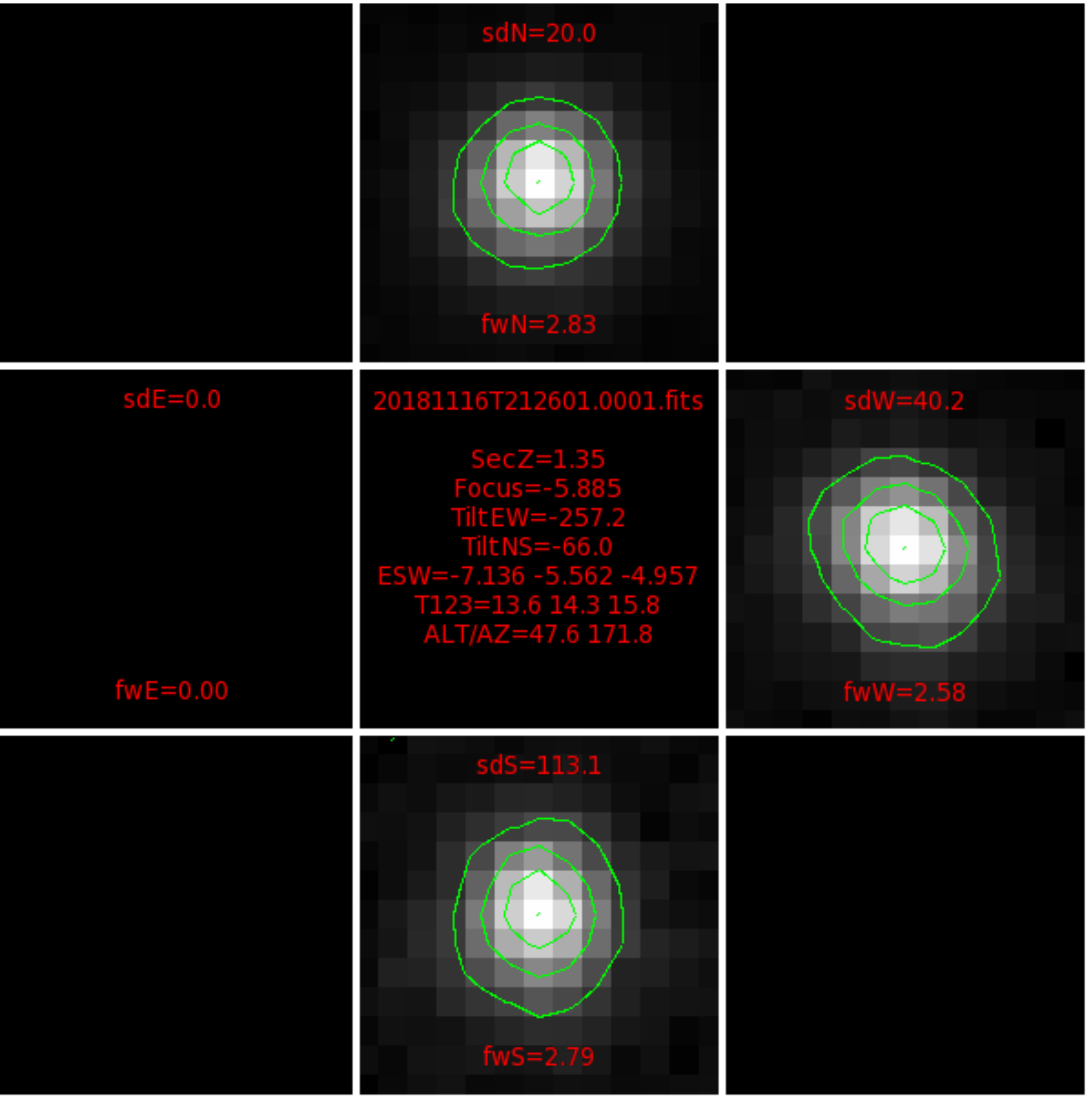

sdN=22.5
fwN=2.50
sdE=0.0
fwE=0.00
20181116T211906.0001.fits
SecZ=1.36
Focus=-5.892
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.143 -5.569 -4.964
T123=13.6 14.4 16.0
ALT/AZ=47.4 169.3
sdW=21.5
fwW=1.87
sdS=24.5
fwS=2.55
0 0 0 0 0 0 0 0 0

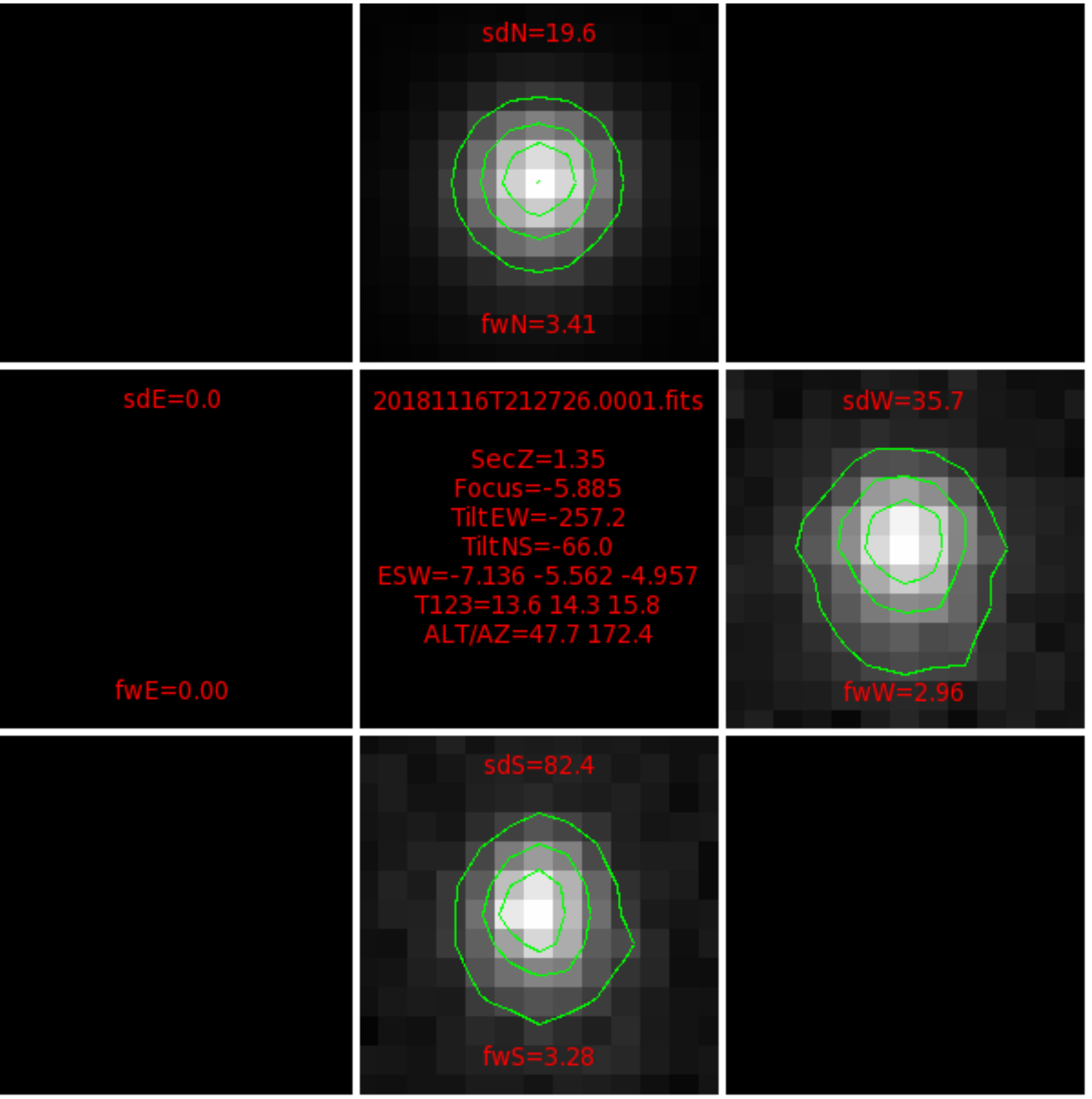

sdN=21.3
fwN=2.68
sdE=0.0
fwE=0.00
20181116T212020.0001.fits
SecZ=1.36
Focus=-5.892
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.143 -5.569 -4.964
T123=13.6 14.4 15.9
ALT/AZ=47.4 169.8
sdW=28.9
fwW=2.59
sdS=55.4
fwS=2.64
0 0 0 0 0 0 0 0 0

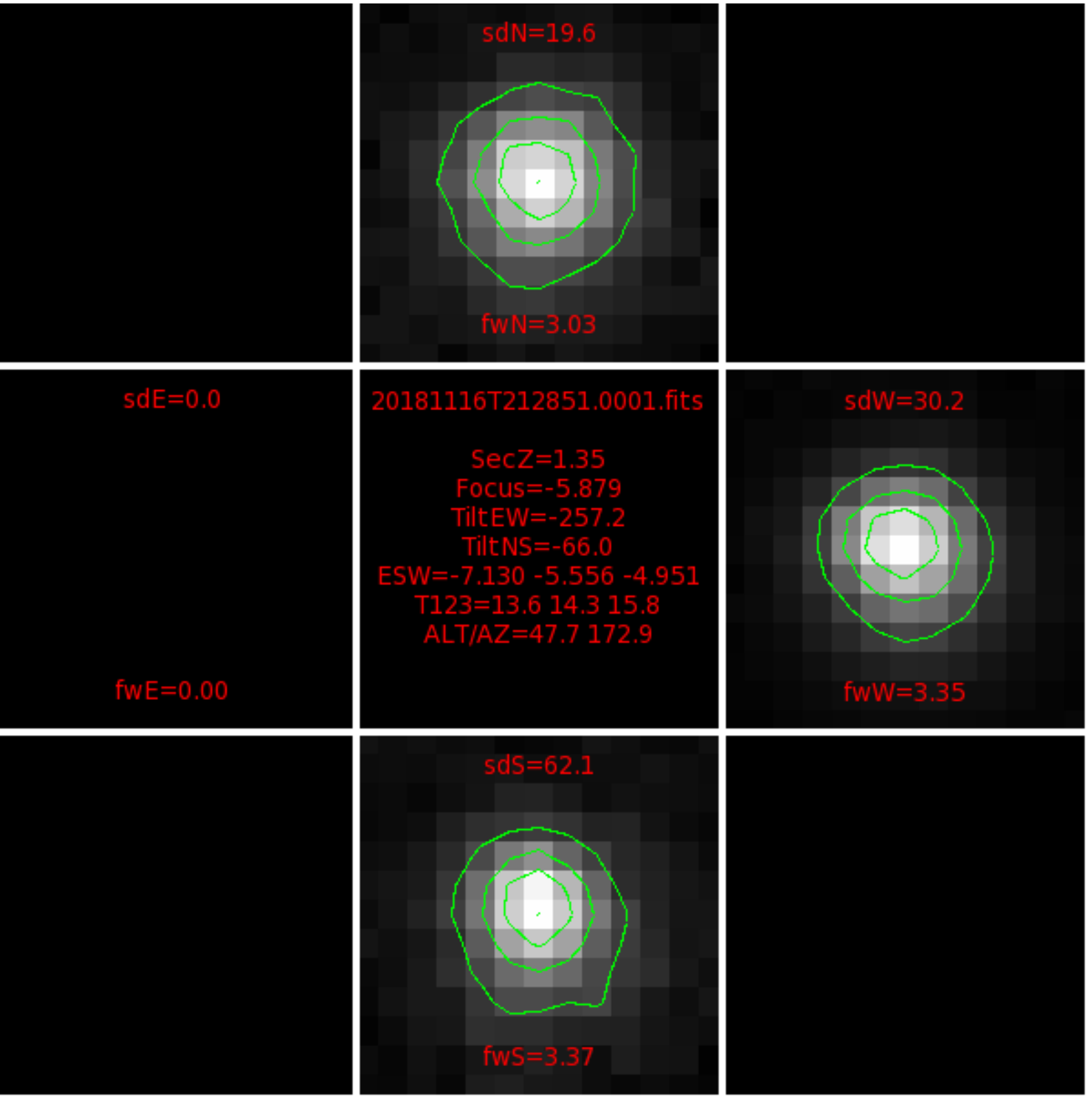

sdN=17.5
fwN=3.69
sdE=0.0
fwE=0.00
20181116T212146.0001.fits
SecZ=1.36
Focus=-5.892
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.143 -5.569 -4.964
T123=13.6 14.4 15.9
ALT/AZ=47.5 170.3
sdW=32.7
fwW=3.29
sdS=68.6
fwS=3.41
0 0 0 0 0 0 0 0 0

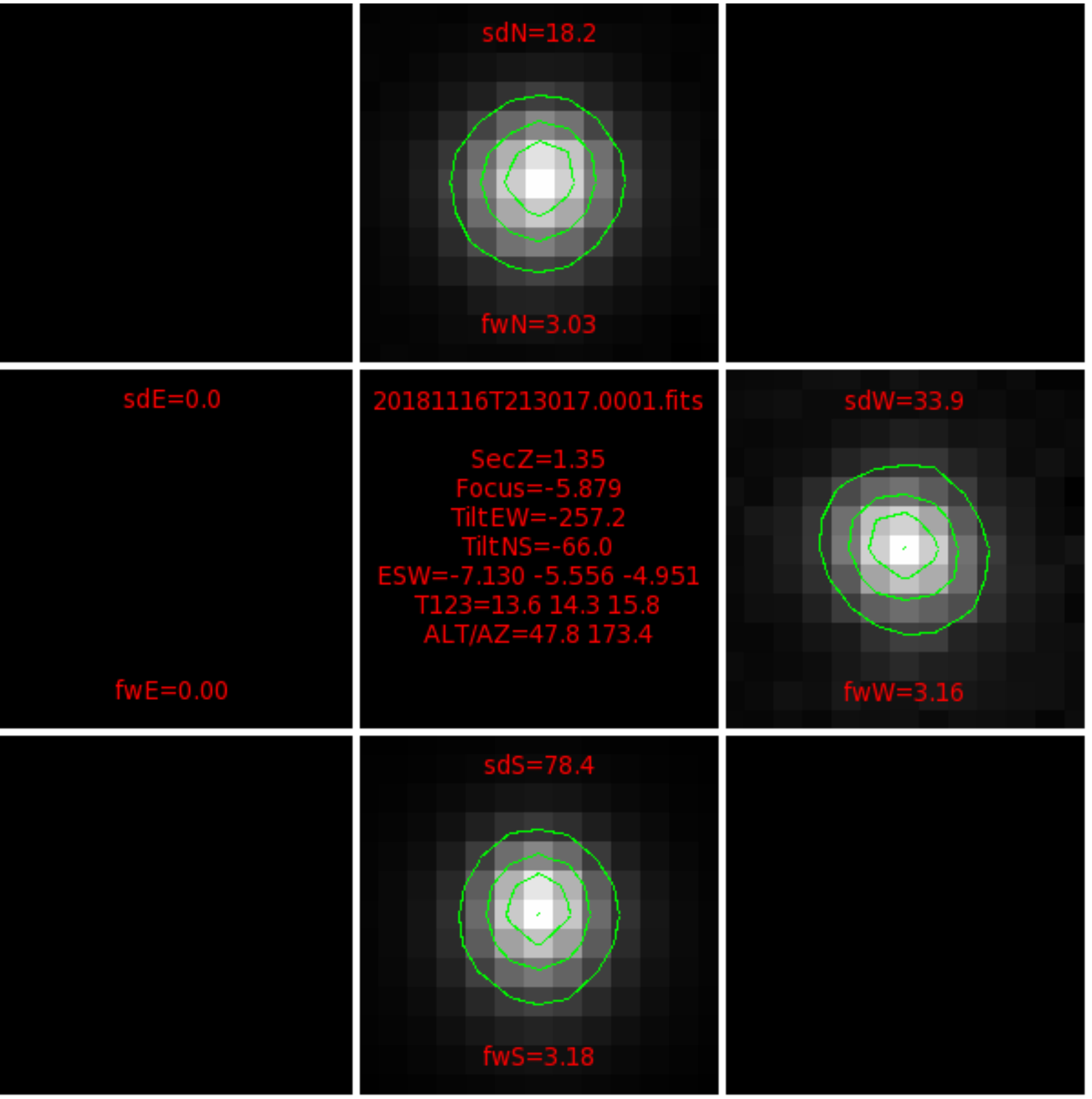

sdN=19.7
fwN=3.21
sdE=0.0
fwE=0.00
20181116T212311.0001.fits
SecZ=1.36
Focus=-5.885
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.136 -5.562 -4.957
T123=13.6 14.4 15.9
ALT/AZ=47.6 170.8
sdW=30.0
fwW=3.13
sdS=72.8
fwS=3.24
0 0 0 0 0 0 0 0 0

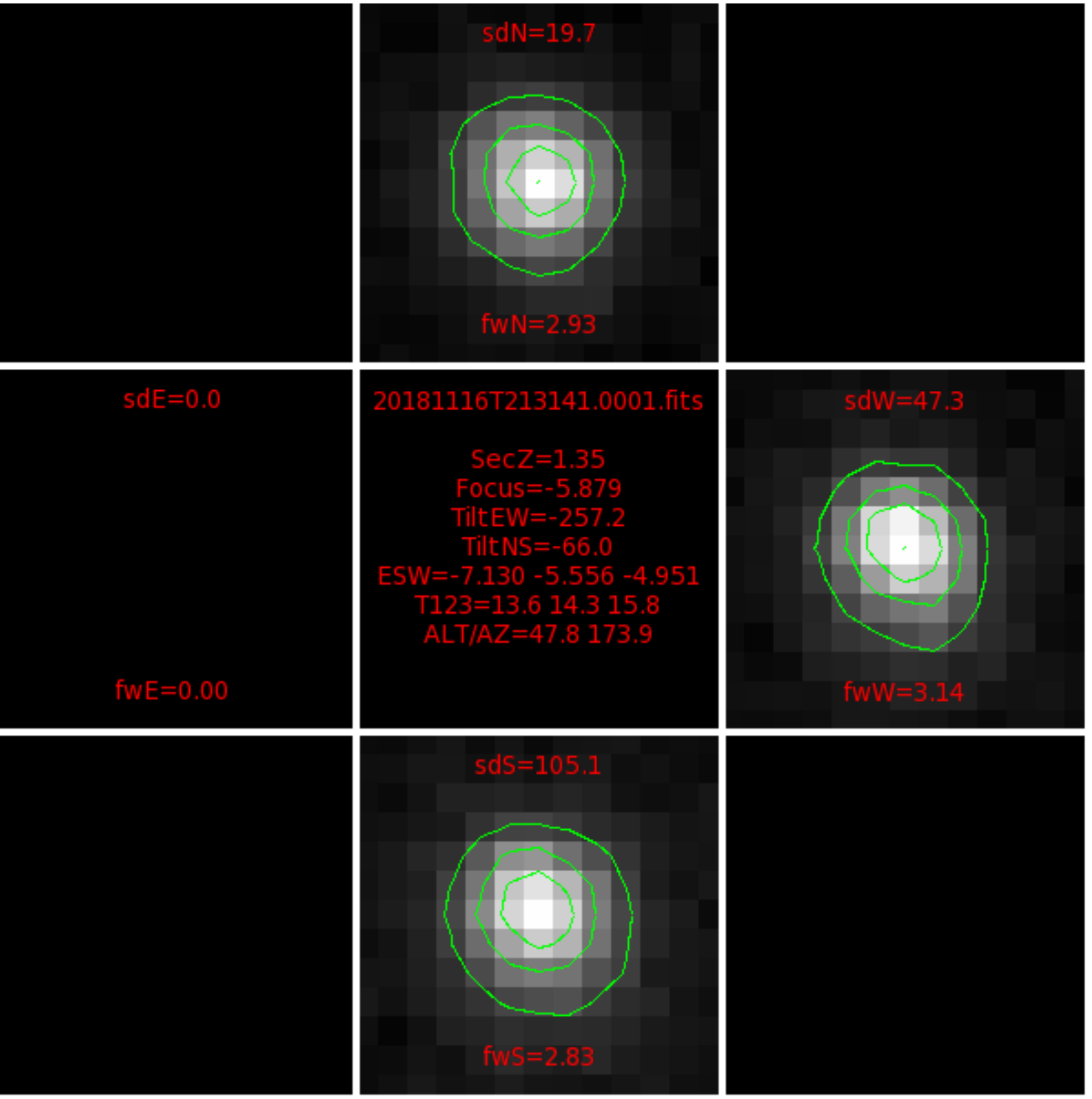

sdN=22.1
fwN=2.76
sdE=0.0
fwE=0.00
20181116T212436.0001.fits
SecZ=1.35
Focus=-5.885
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.136 -5.562 -4.957
T123=13.6 14.4 15.9
ALT/AZ=47.6 171.3
sdW=21.5
fwW=2.85
sdS=42.0
fwS=2.78
0 0 0 0 0 0 0 0 0

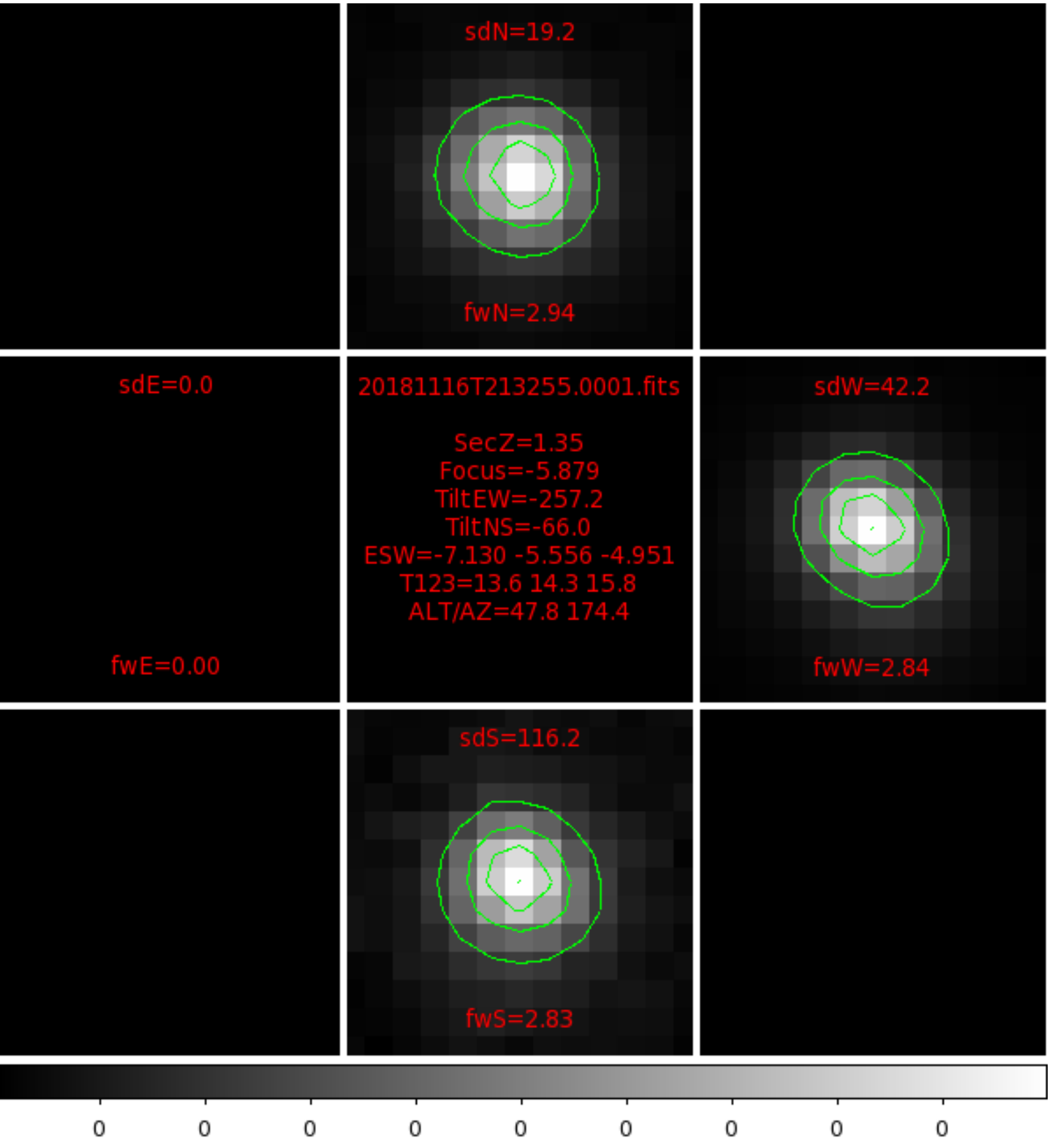

sdN=20.0
fwN=2.83
sdE=0.0
fwE=0.00
20181116T212601.0001.fits
SecZ=1.35
Focus=-5.885
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.136 -5.562 -4.957
T123=13.6 14.3 15.8
ALT/AZ=47.6 171.8
sdW=40.2
fwW=2.58
sdS=113.1
fwS=2.79
0 0 0 0 0 0 0 0 0

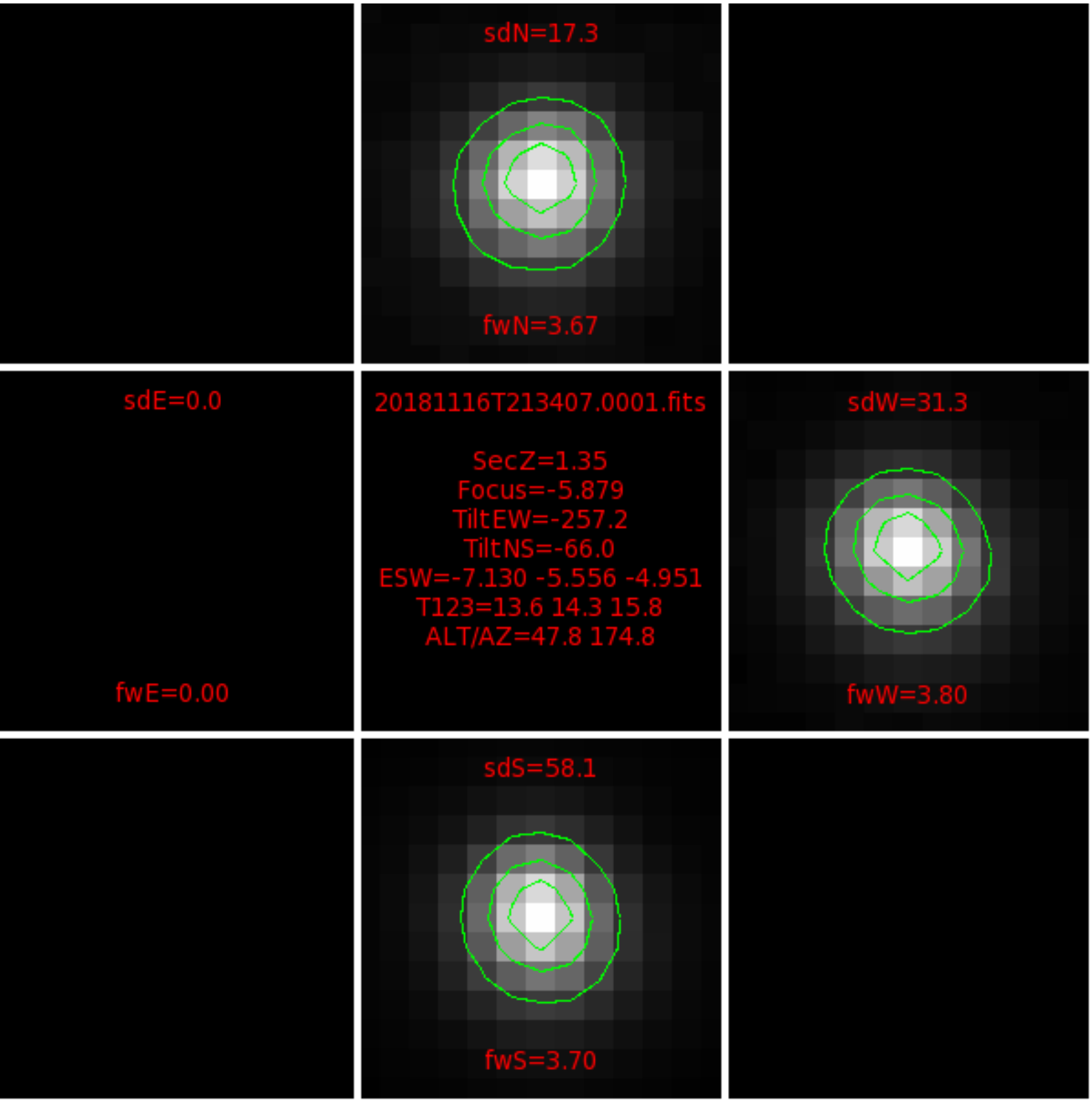

sdN=19.6
fwN=3.41
sdE=0.0
fwE=0.00
20181116T212726.0001.fits
SecZ=1.35
Focus=-5.885
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.136 -5.562 -4.957
T123=13.6 14.3 15.8
ALT/AZ=47.7 172.4
sdW=35.7
fwW=2.96
sdS=82.4
fwS=3.28
0 0 0 0 0 0 0 0 0

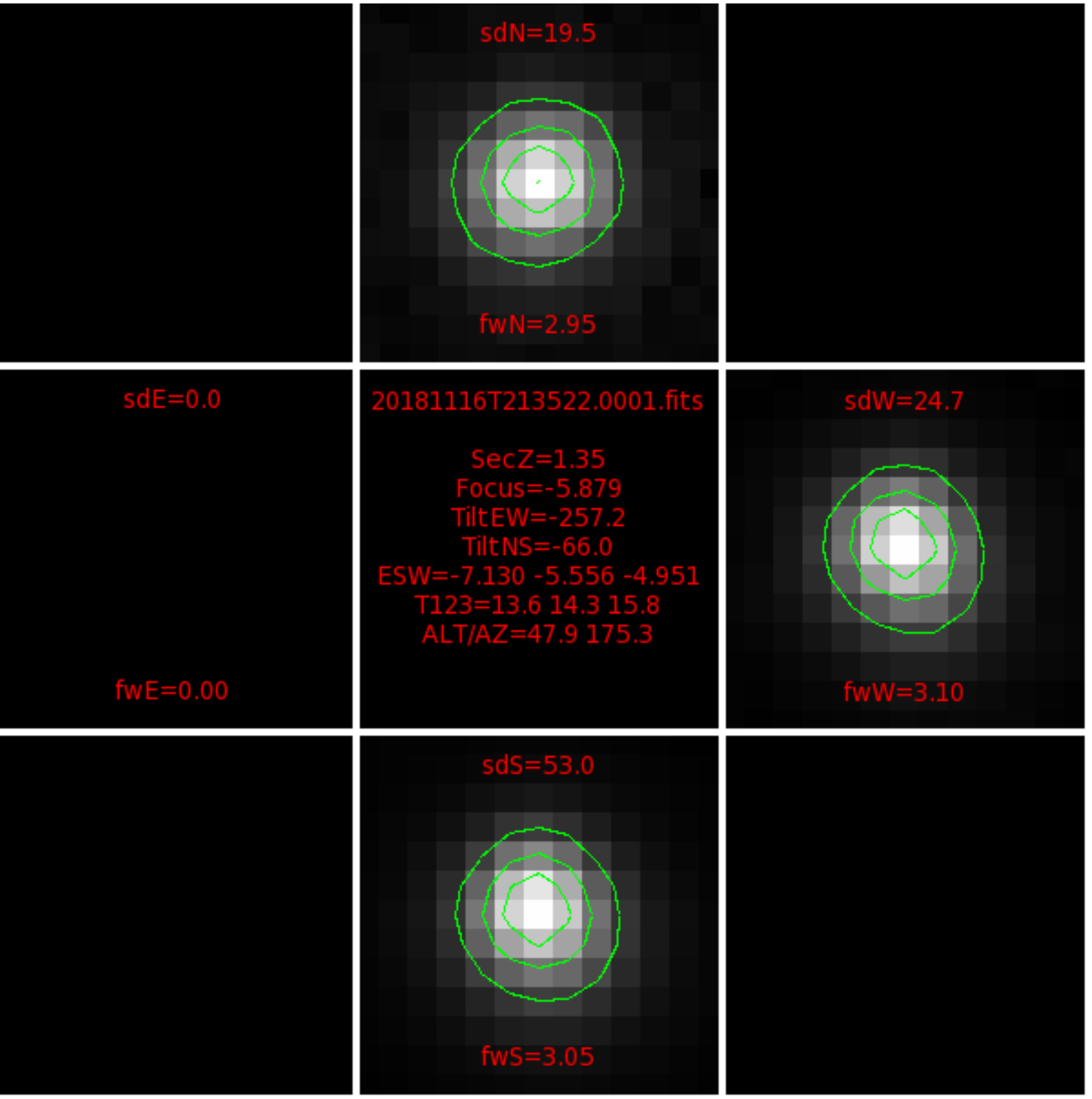

sdN=19.6
fwN=3.03
sdE=0.0
fwE=0.00
20181116T212851.0001.fits
SecZ=1.35
Focus=-5.879
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.130 -5.556 -4.951
T123=13.6 14.3 15.8
ALT/AZ=47.7 172.9
sdW=30.2
fwW=3.35
sdS=62.1
fwS=3.37
0 0 0 0 0 0 0 0 0

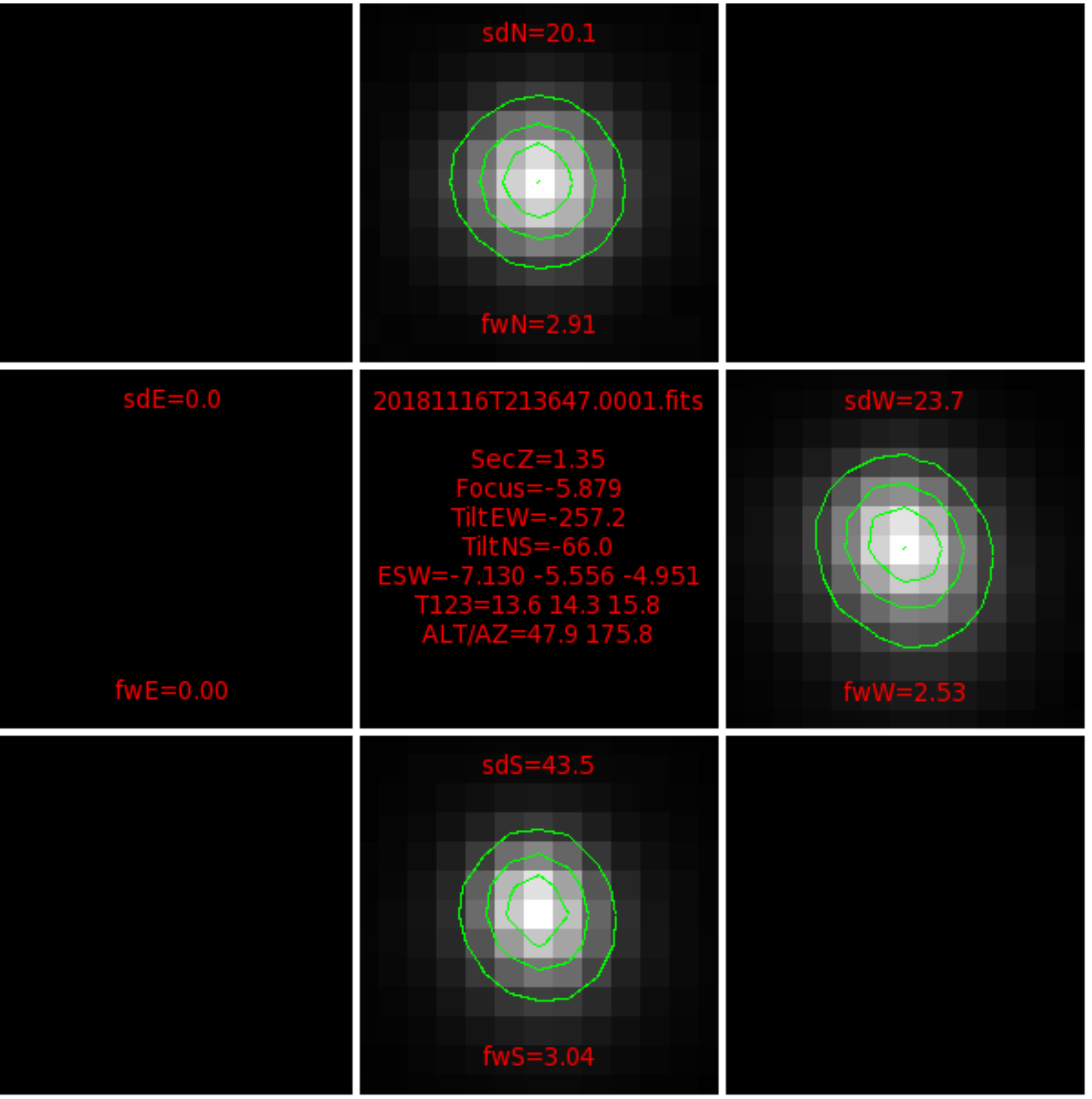

sdN=18.2
fwN=3.03
sdE=0.0
fwE=0.00
20181116T213017.0001.fits
SecZ=1.35
Focus=-5.879
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.130 -5.556 -4.951
T123=13.6 14.3 15.8
ALT/AZ=47.8 173.4
sdW=33.9
fwW=3.16
sdS=78.4
fwS=3.18
0 0 0 0 0 0 0 0 0

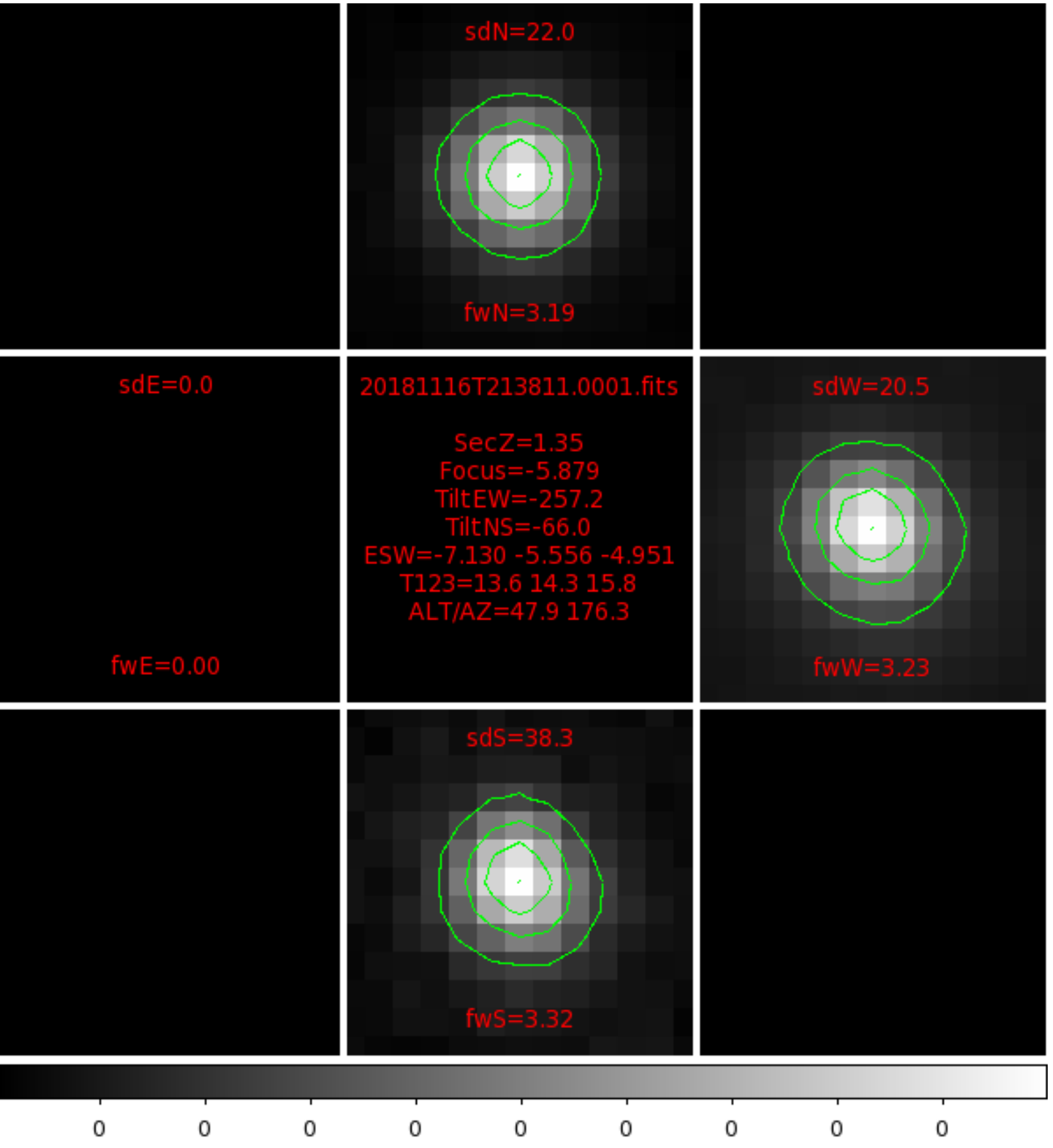

sdN=19.7
fwN=2.93
sdE=0.0
fwE=0.00
20181116T213141.0001.fits
SecZ=1.35
Focus=-5.879
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.130 -5.556 -4.951
T123=13.6 14.3 15.8
ALT/AZ=47.8 173.9
sdW=47.3
fwW=3.14
sdS=105.1
fwS=2.83
0 0 0 0 0 0 0 0 0

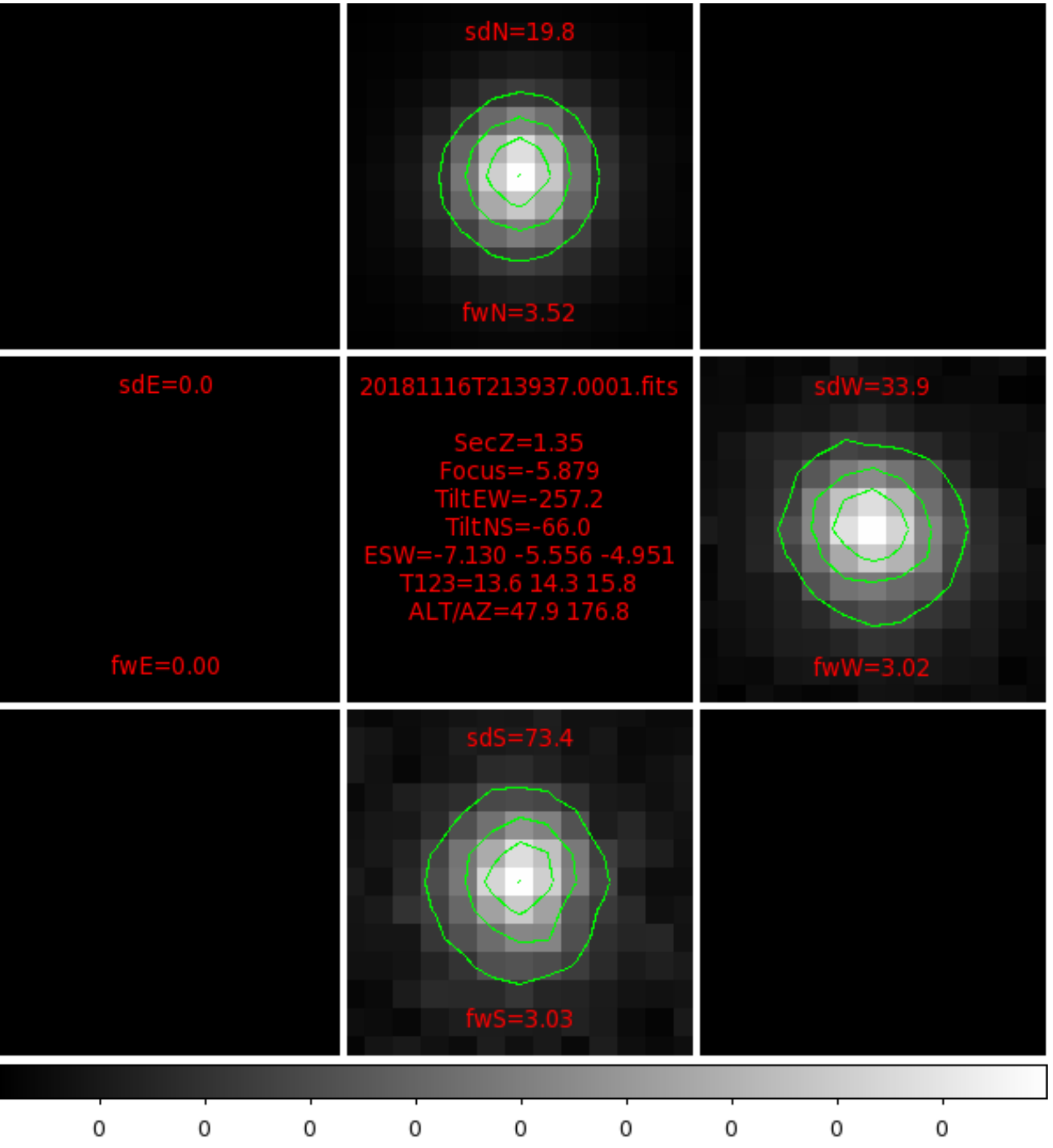

sdN=19.2
fwN=2.94
sdE=0.0
fwE=0.00
20181116T213255.0001.fits
SecZ=1.35
Focus=-5.879
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.130 -5.556 -4.951
T123=13.6 14.3 15.8
ALT/AZ=47.8 174.4
sdW=42.2
fwW=2.84
sdS=116.2
fwS=2.83
0 0 0 0 0 0 0 0 0

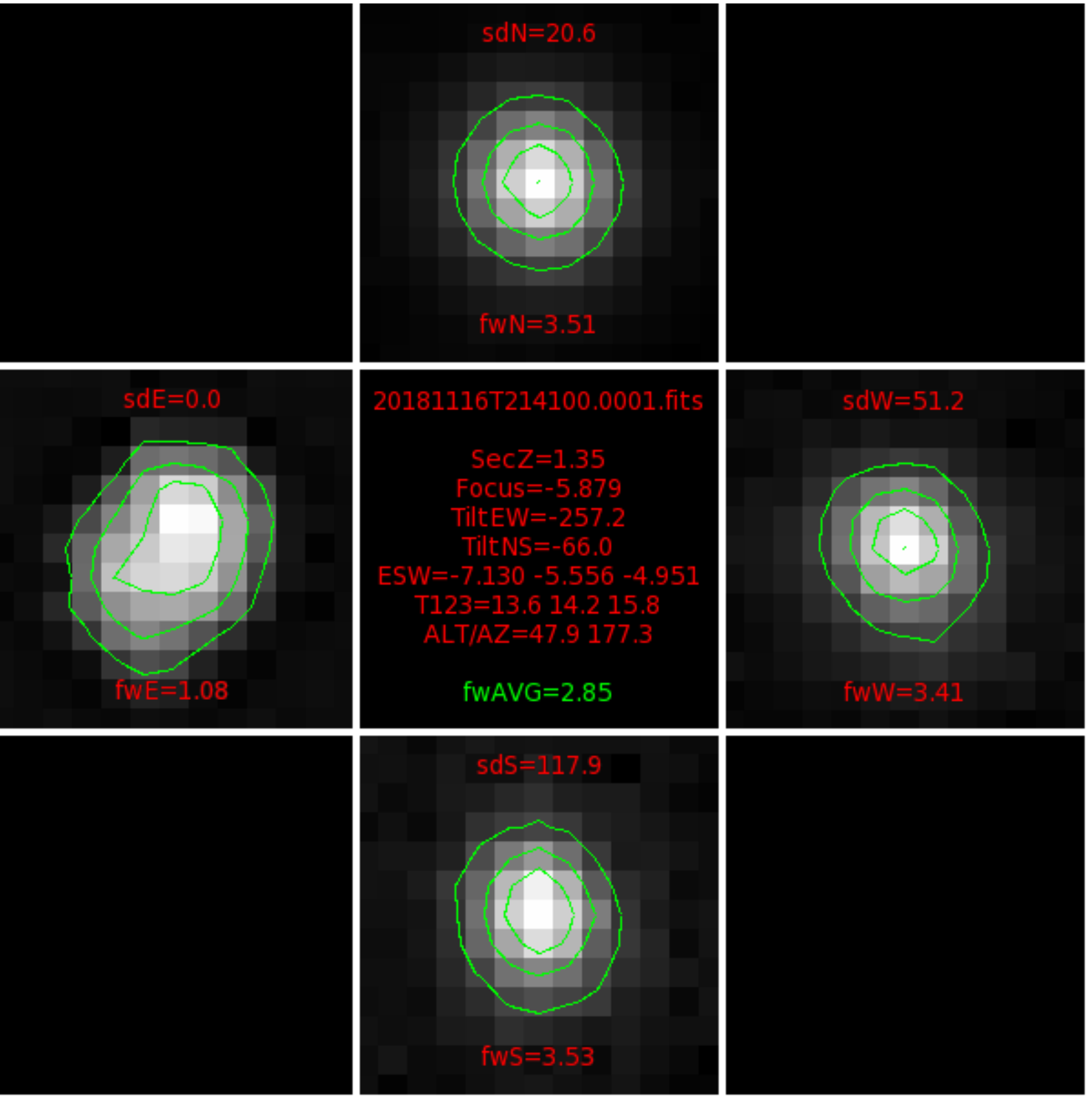

sdN=17.3
fwN=3.67
sdE=0.0
fwE=0.00
20181116T213407.0001.fits
SecZ=1.35
Focus=-5.879
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.130 -5.556 -4.951
T123=13.6 14.3 15.8
ALT/AZ=47.8 174.8
sdW=31.3
fwW=3.80
sdS=58.1
fwS=3.70
0 0 0 0 0 0 0 0 0

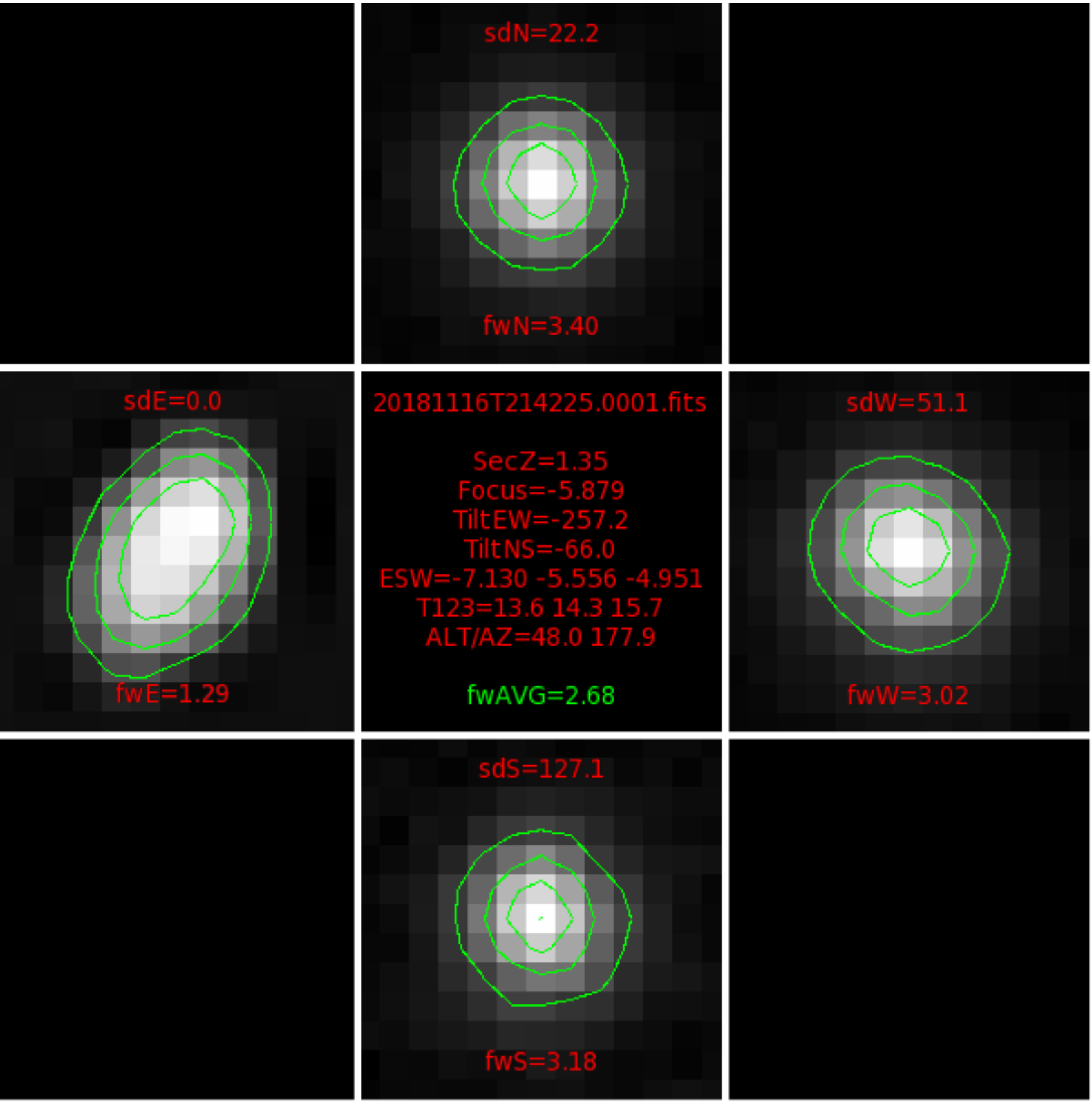

sdN=19.5
fwN=2.95
sdE=0.0
fwE=0.00
20181116T213522.0001.fits
SecZ=1.35
Focus=-5.879
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.130 -5.556 -4.951
T123=13.6 14.3 15.8
ALT/AZ=47.9 175.3
sdW=24.7
fwW=3.10
sdS=53.0
fwS=3.05
0 0 0 0 0 0 0 0 0

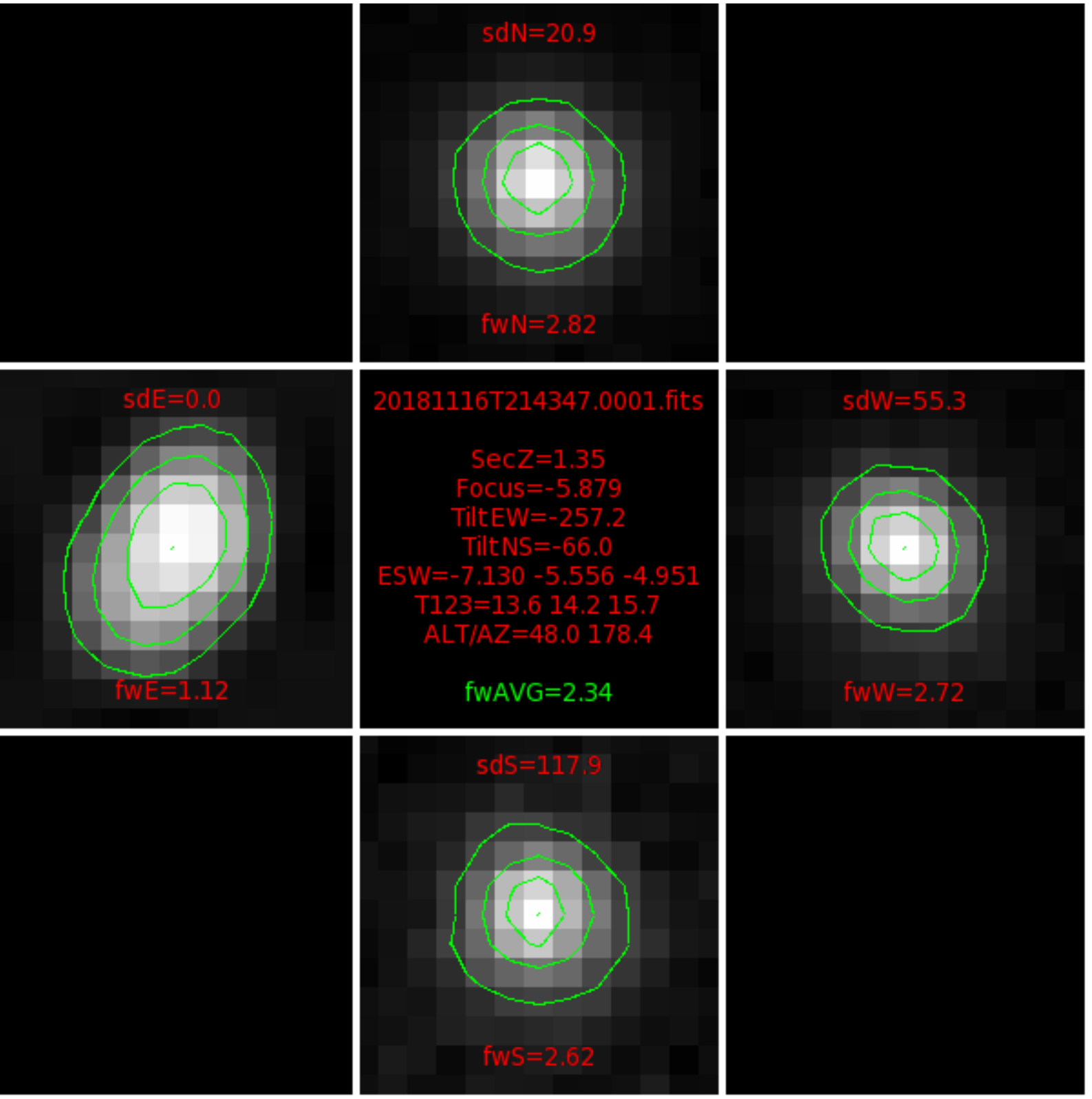

sdN=20.1
fwN=2.91
sdE=0.0
fwE=0.00
20181116T213647.0001.fits
SecZ=1.35
Focus=-5.879
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.130 -5.556 -4.951
T123=13.6 14.3 15.8
ALT/AZ=47.9 175.8
sdW=23.7
fwW=2.53
sdS=43.5
fwS=3.04
0 0 0 0 0 0 0 0 0

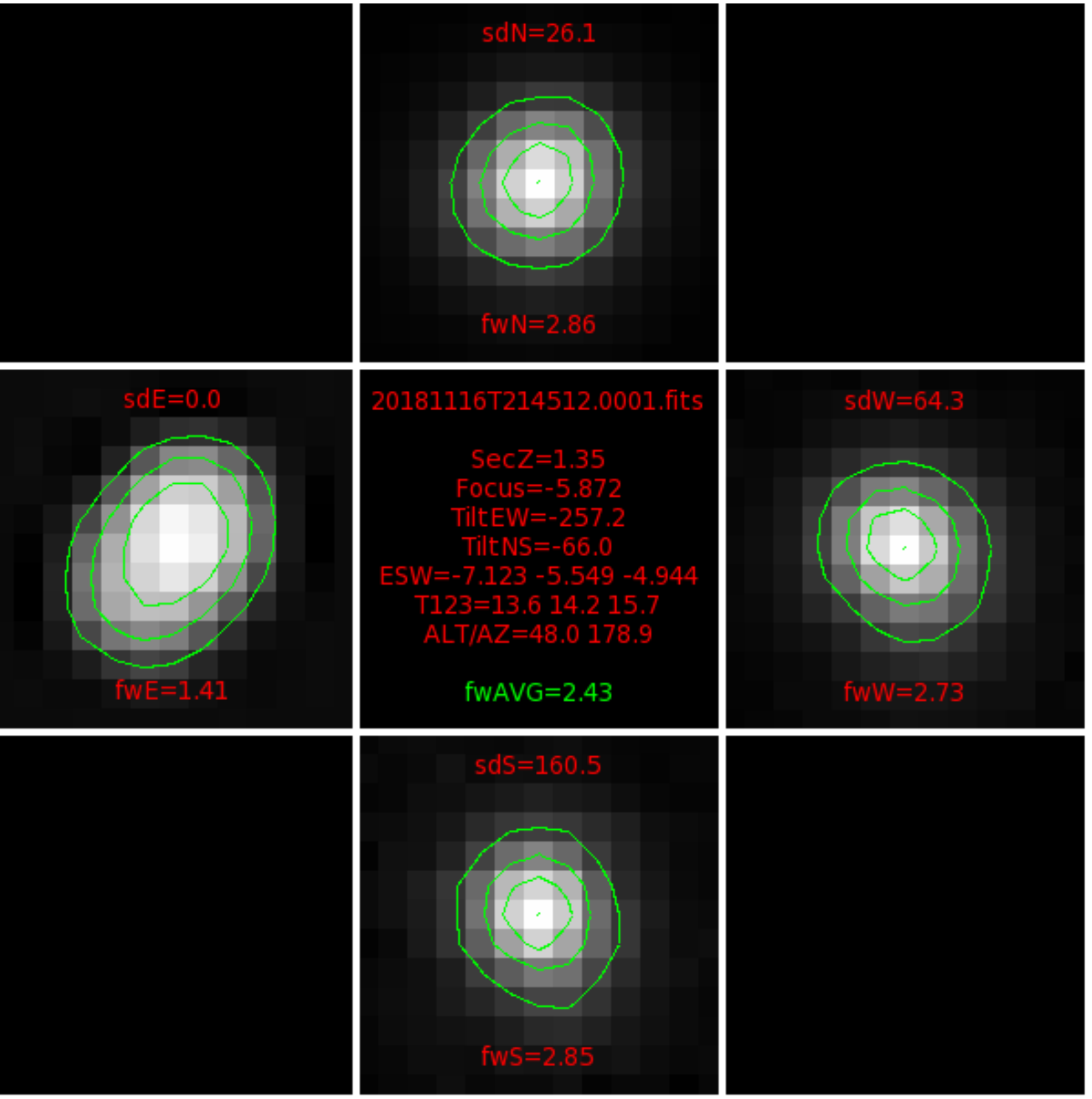

sdN=22.0
fwN=3.19
sdE=0.0
fwE=0.00
20181116T213811.0001.fits
SecZ=1.35
Focus=-5.879
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.130 -5.556 -4.951
T123=13.6 14.3 15.8
ALT/AZ=47.9 176.3
sdW=20.5
fwW=3.23
sdS=38.3
fwS=3.32
0 0 0 0 0 0 0 0 0

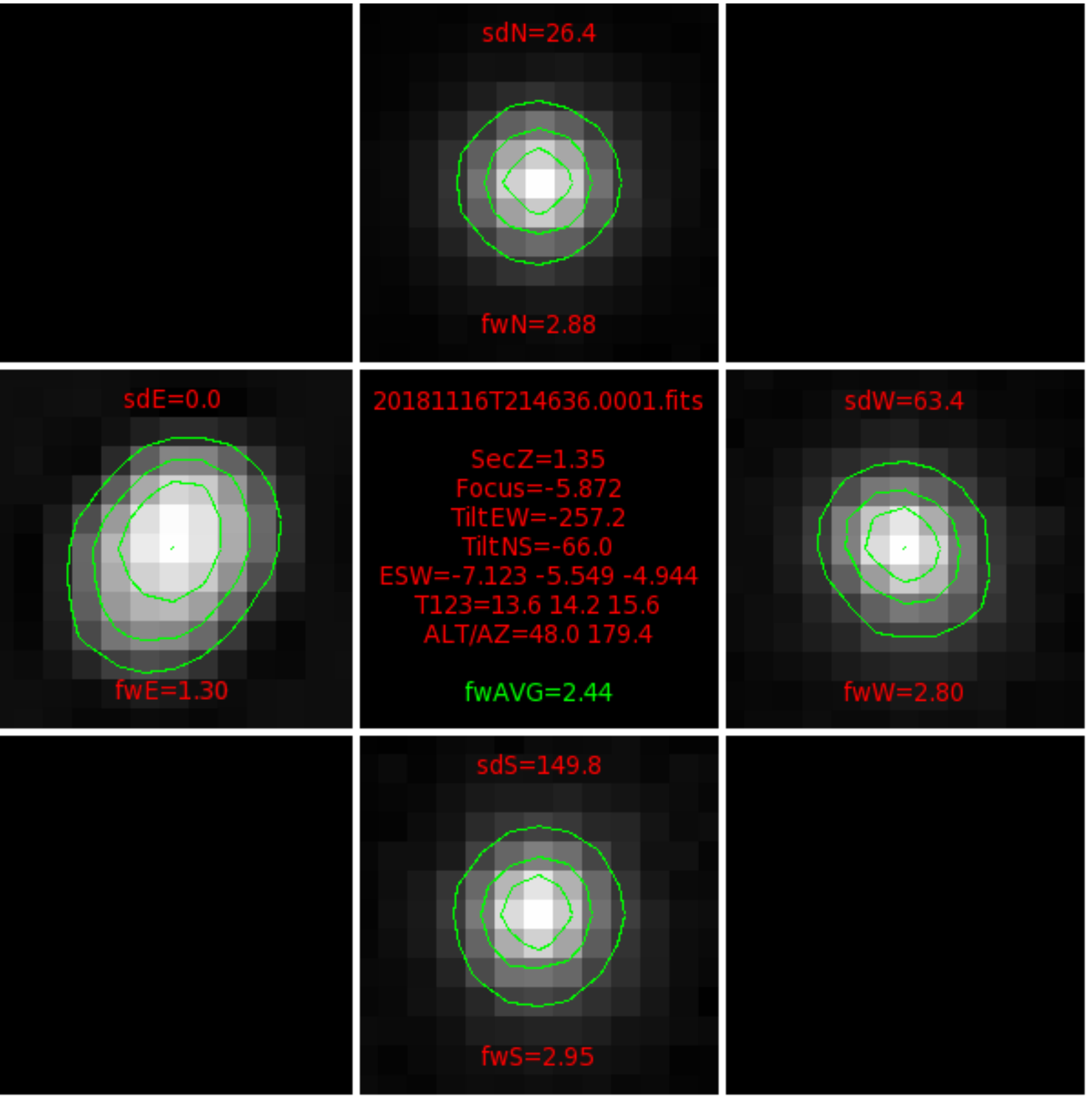

sdN=19.8
fwN=3.52
sdE=0.0
fwE=0.00
20181116T213937.0001.fits
SecZ=1.35
Focus=-5.879
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.130 -5.556 -4.951
T123=13.6 14.3 15.8
ALT/AZ=47.9 176.8
sdW=33.9
fwW=3.02
sdS=73.4
fwS=3.03
0 0 0 0 0 0 0 0 0

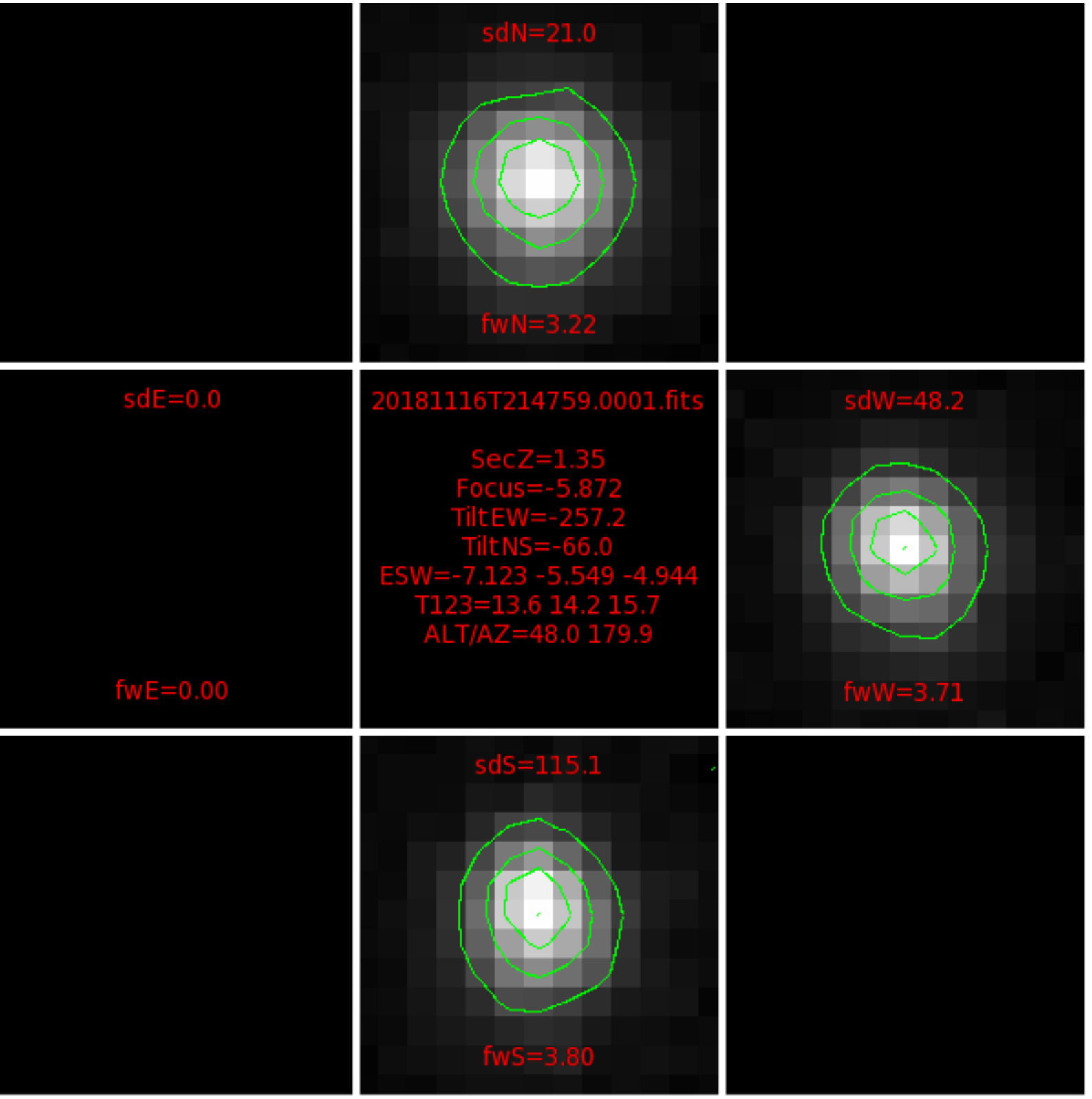

sdN=20.6
fwN=3.51
sdE=0.0
fwE=1.08
20181116T214100.0001.fits
SecZ=1.35
Focus=-5.879
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.130 -5.556 -4.951
T123=13.6 14.2 15.8
ALT/AZ=47.9 177.3
fwAVG=2.85
sdW=51.2
fwW=3.41
sdS=117.9
fwS=3.53
0 0 0 0 0 0 0 0 0

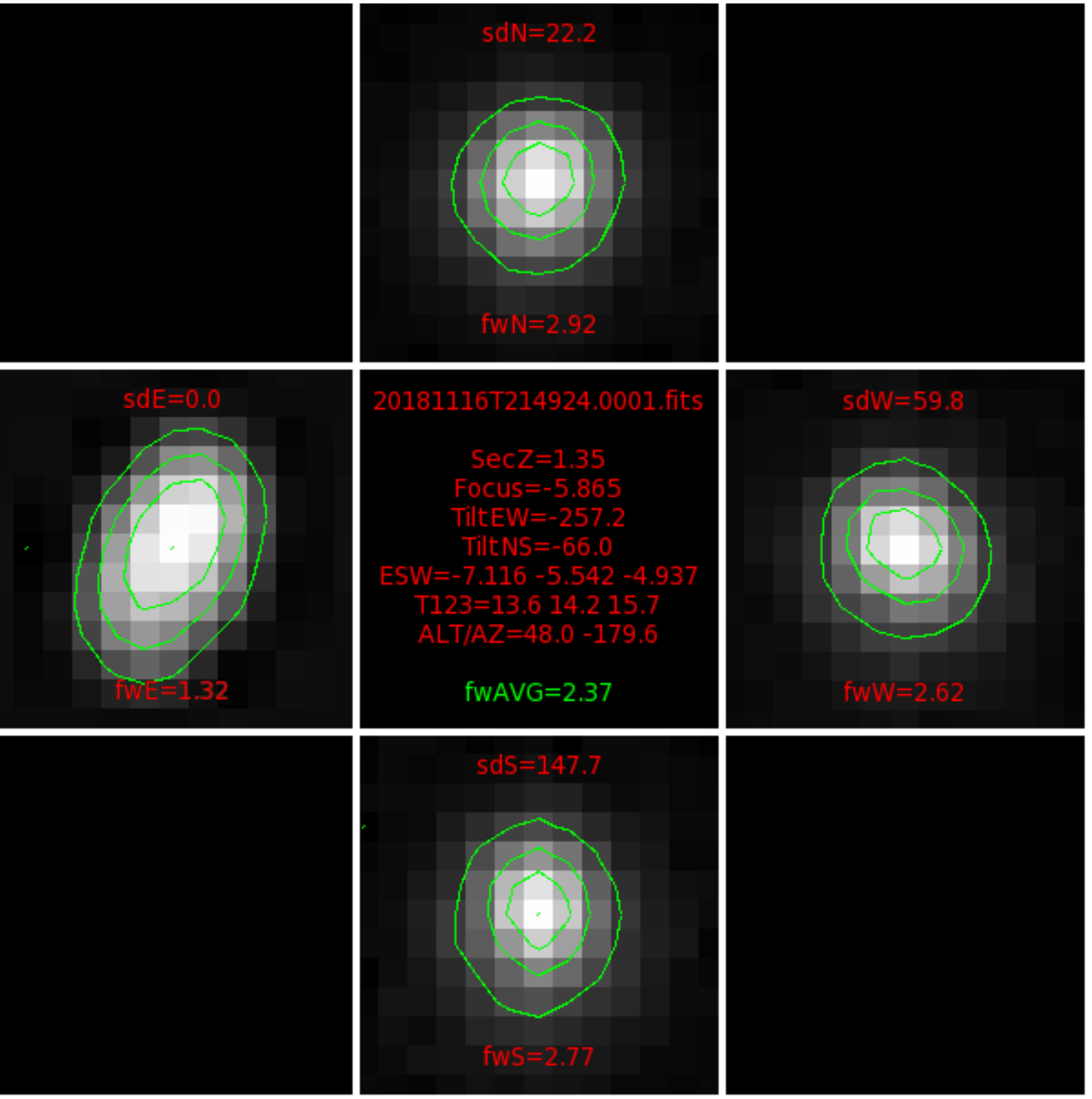

sdN=22.2
fwN=3.40
sdE=0.0
fwE=1.29
20181116T214225.0001.fits
SecZ=1.35
Focus=-5.879
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.130 -5.556 -4.951
T123=13.6 14.3 15.7
ALT/AZ=48.0 177.9
fwAVG=2.68
sdW=51.1
fwW=3.02
sdS=127.1
fwS=3.18
0 0 0 0 0 0 0 0 0

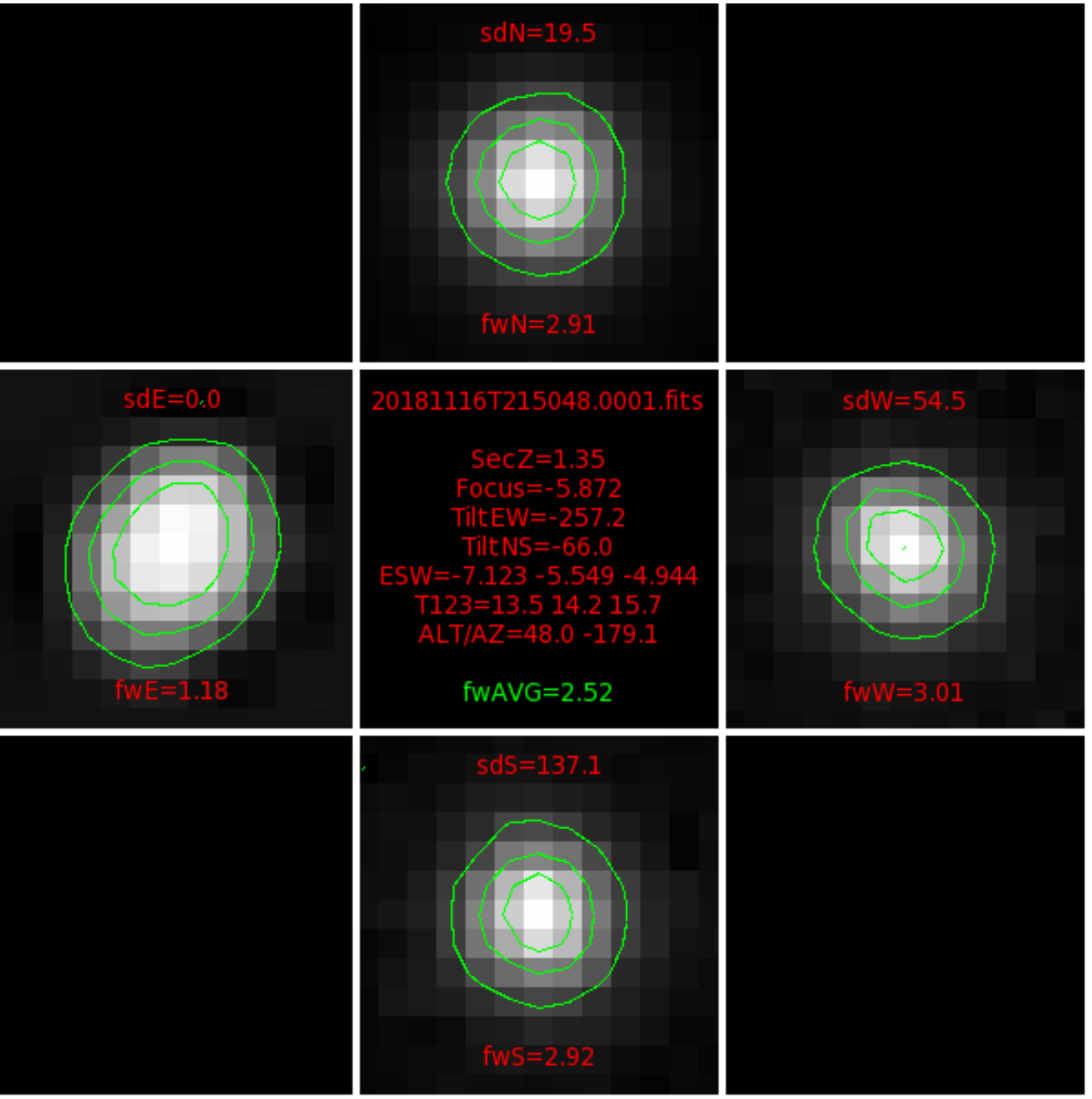

sdN=20.9
fwN=2.82
sdE=0.0
fwE=1.12
20181116T214347.0001.fits
SecZ=1.35
Focus=-5.879
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.130 -5.556 -4.951
T123=13.6 14.2 15.7
ALT/AZ=48.0 178.4
fwAVG=2.34
sdW=55.3
fwW=2.72
sdS=117.9
fwS=2.62
0 0 0 0 0 0 0 0 0

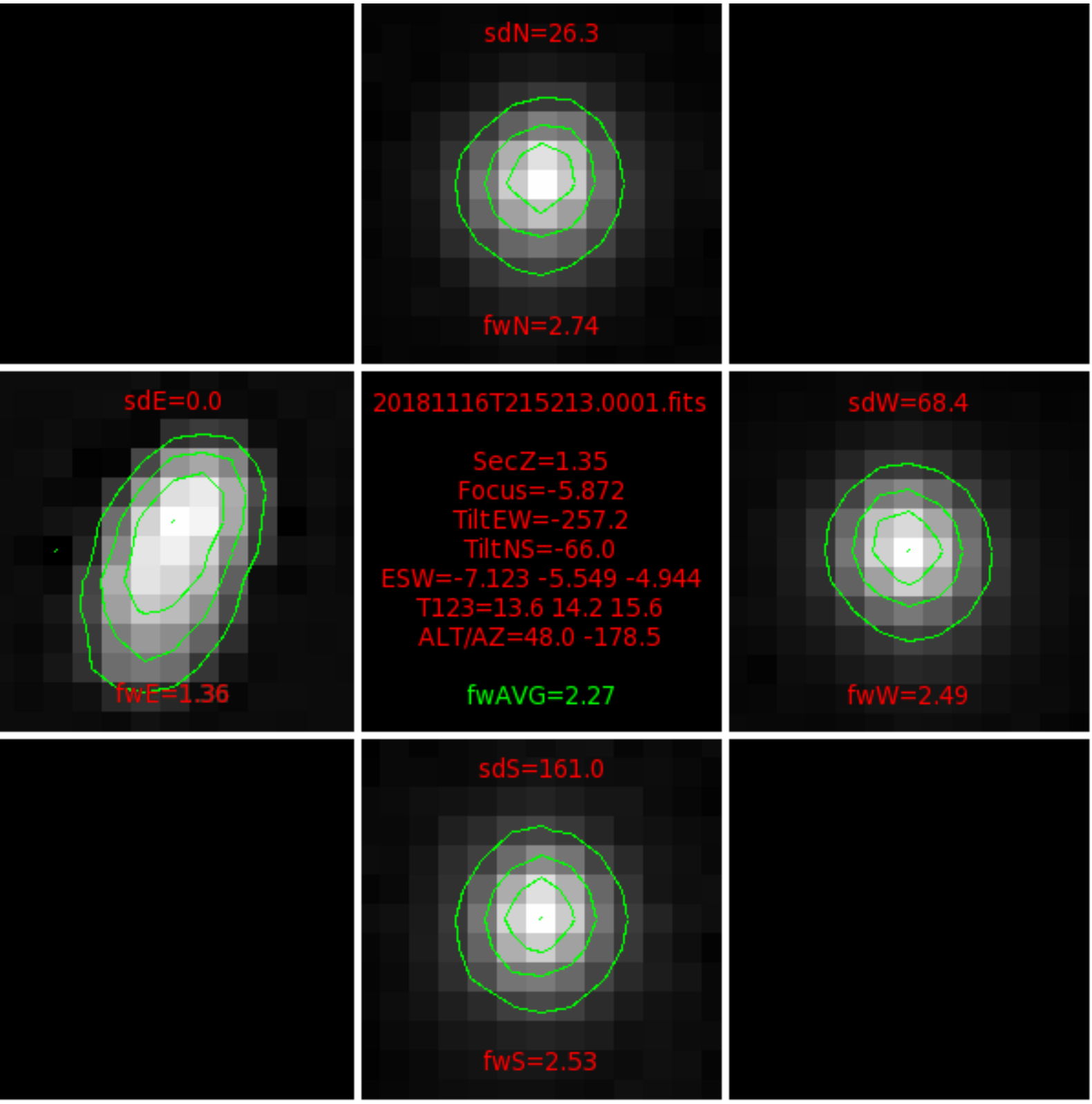

sdN=26.1
fwN=2.86
sdE=0.0
fwE=1.41
20181116T214512.0001.fits
SecZ=1.35
Focus=-5.872
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.123 -5.549 -4.944
T123=13.6 14.2 15.7
ALT/AZ=48.0 178.9
fwAVG=2.43
sdW=64.3
fwW=2.73
sdS=160.5
fwS=2.85
0 0 0 0 0 0 0 0 0

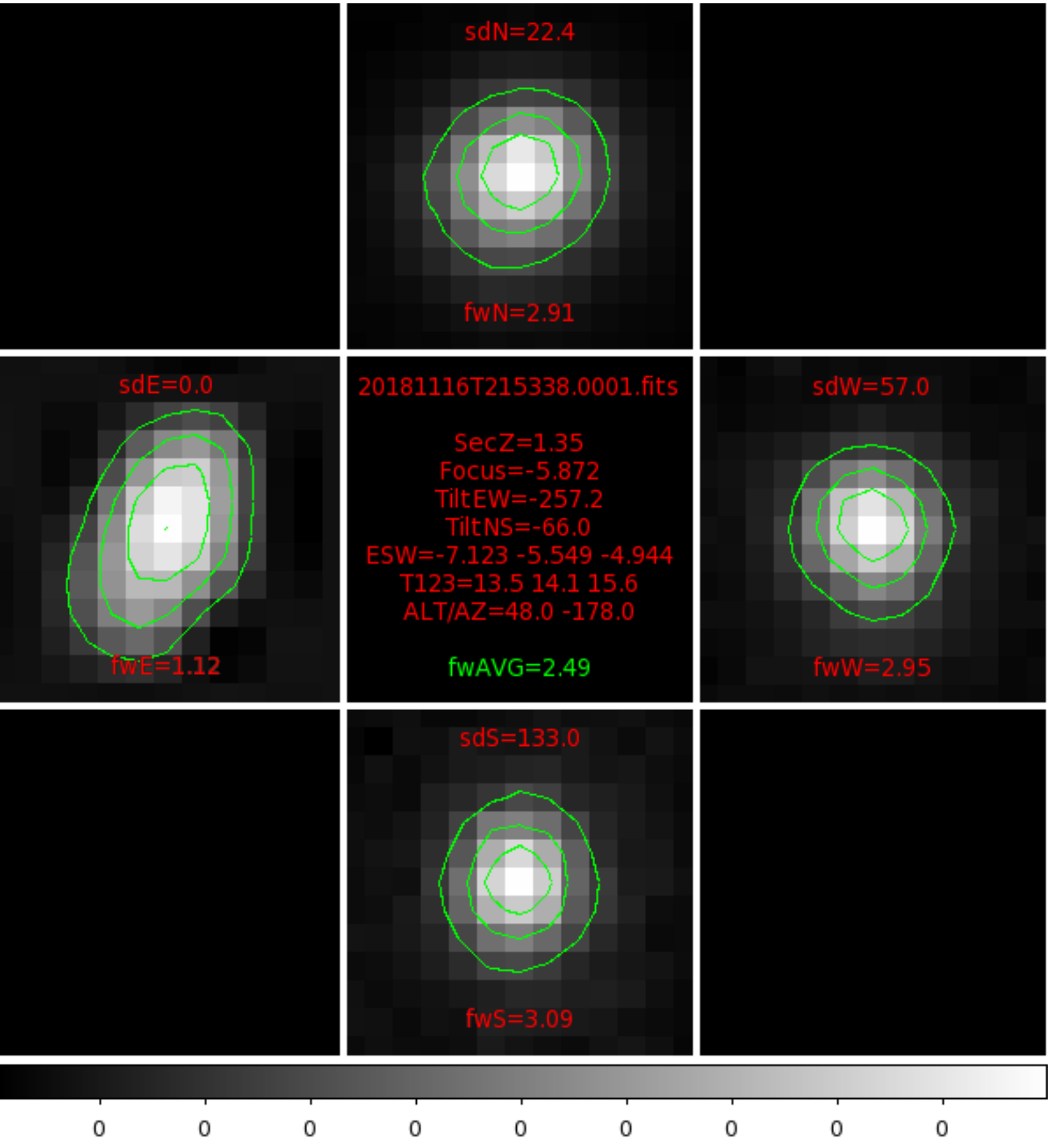

sdN=26.4
fwN=2.88
sdE=0.0
fwE=1.30
20181116T214636.0001.fits
SecZ=1.35
Focus=-5.872
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.123 -5.549 -4.944
T123=13.6 14.2 15.6
ALT/AZ=48.0 179.4
fwAVG=2.44
sdW=63.4
fwW=2.80
sdS=149.8
fwS=2.95
0 0 0 0 0 0 0 0 0

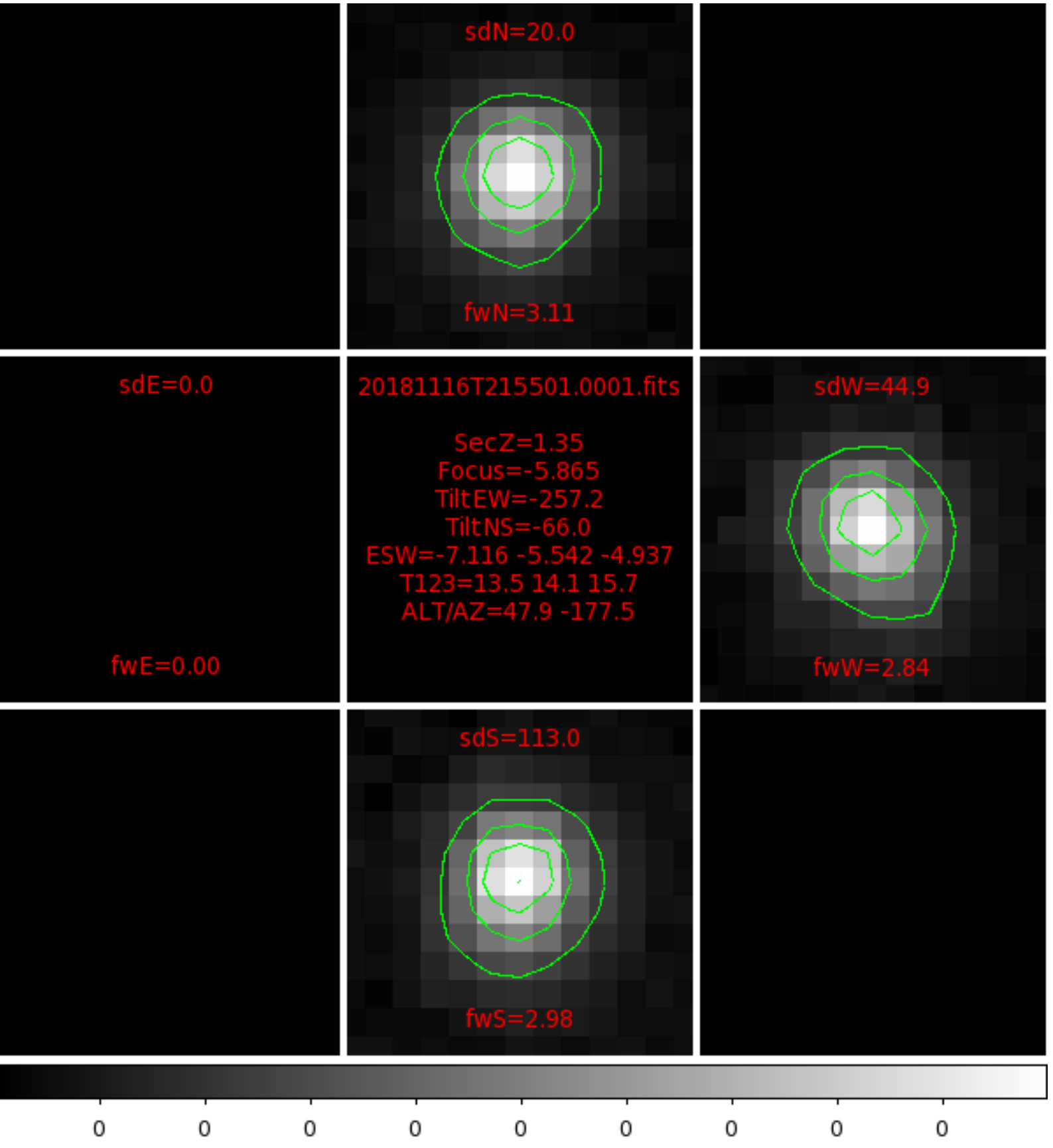

sdN=21.0
fwN=3.22
sdE=0.0
fwE=0.00
20181116T214759.0001.fits
SecZ=1.35
Focus=-5.872
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.123 -5.549 -4.944
T123=13.6 14.2 15.7
ALT/AZ=48.0 179.9
sdW=48.2
fwW=3.71
sdS=115.1
fwS=3.80
0 0 0 0 0 0 0 0 0

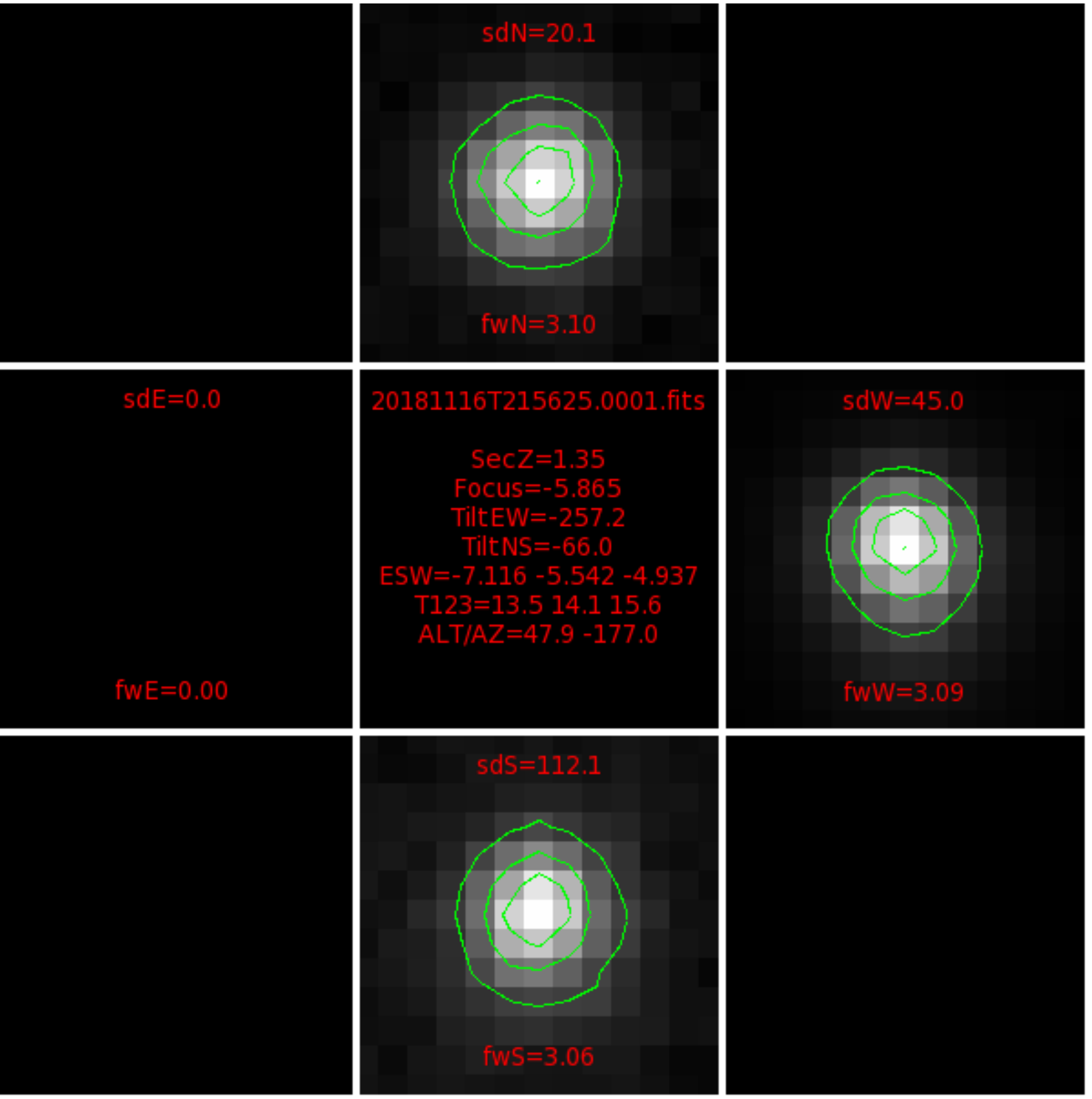

sdN=22.2
fwN=2.92
sdE=0.0
fwE=1.32
20181116T214924.0001.fits
SecZ=1.35
Focus=-5.865
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.116 -5.542 -4.937
T123=13.6 14.2 15.7
ALT/AZ=48.0 -179.6
fwAVG=2.37
sdW=59.8
fwW=2.62
sdS=147.7
fwS=2.77
0 0 0 0 0 0 0 0 0

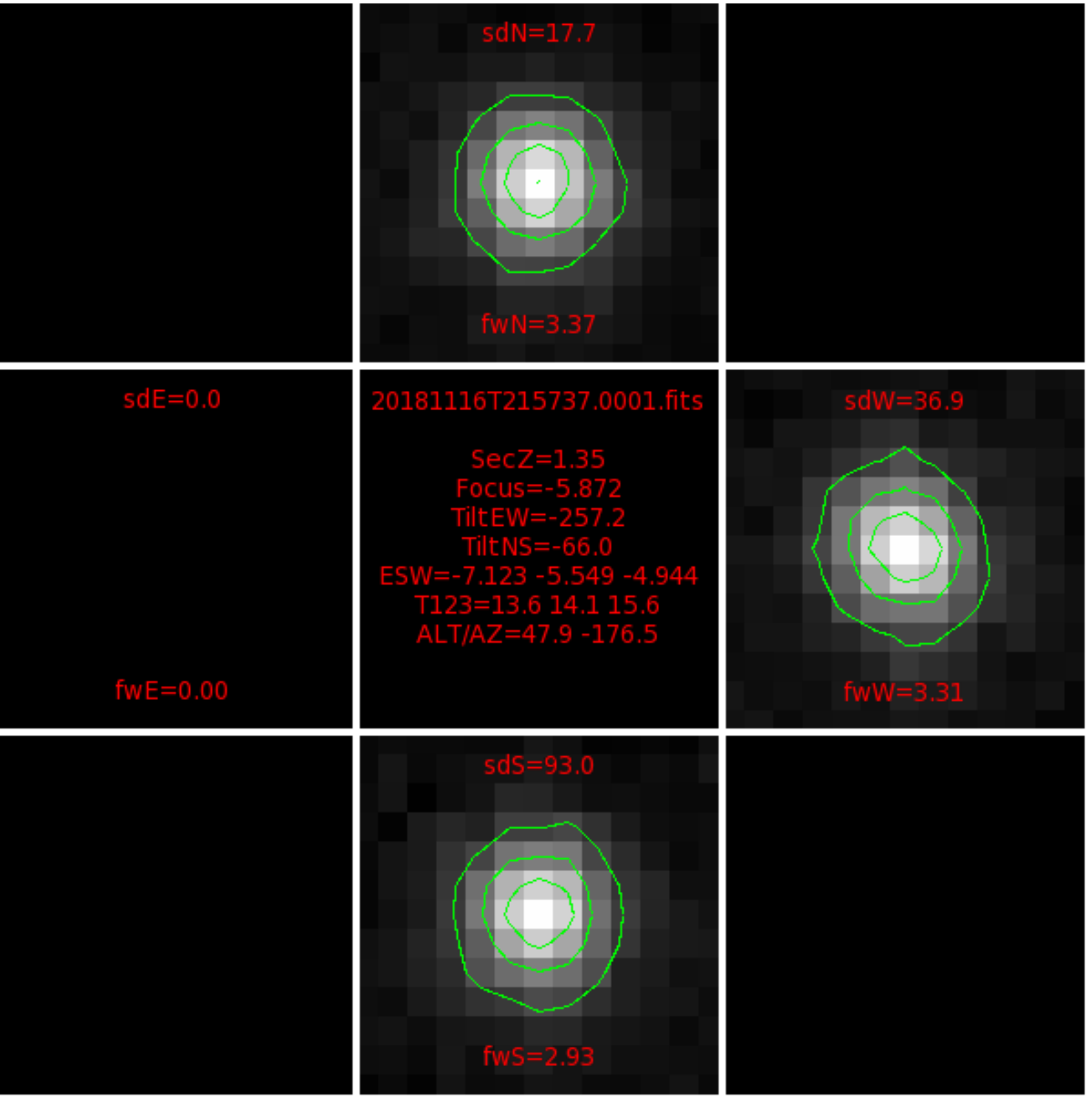

sdN=19.5
fwN=2.91
sdE=0.0
fwE=1.18
20181116T215048.0001.fits
SecZ=1.35
Focus=-5.872
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.123 -5.549 -4.944
T123=13.5 14.2 15.7
ALT/AZ=48.0 -179.1
fwAVG=2.52
sdW=54.5
fwW=3.01
sdS=137.1
fwS=2.92
0 0 0 0 0 0 0 0 0

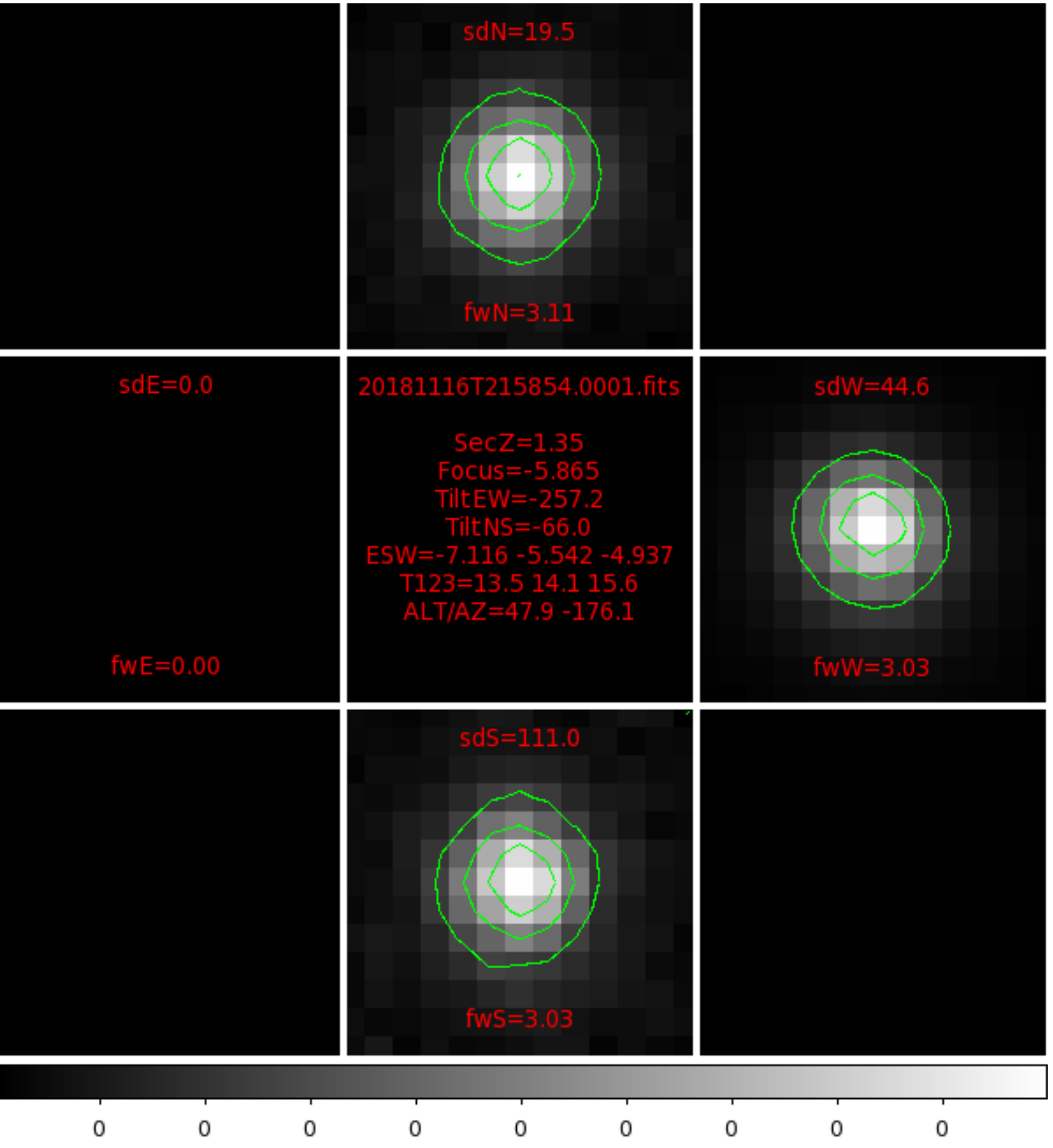

sdN=26.3
fwN=2.74
sdE=0.0
fwE=1.36
20181116T215213.0001.fits
SecZ=1.35
Focus=-5.872
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.123 -5.549 -4.944
T123=13.6 14.2 15.6
ALT/AZ=48.0 -178.5
fwAVG=2.27
sdW=68.4
fwW=2.49
sdS=161.0
fwS=2.53
0 0 0 0 0 0 0 0 0

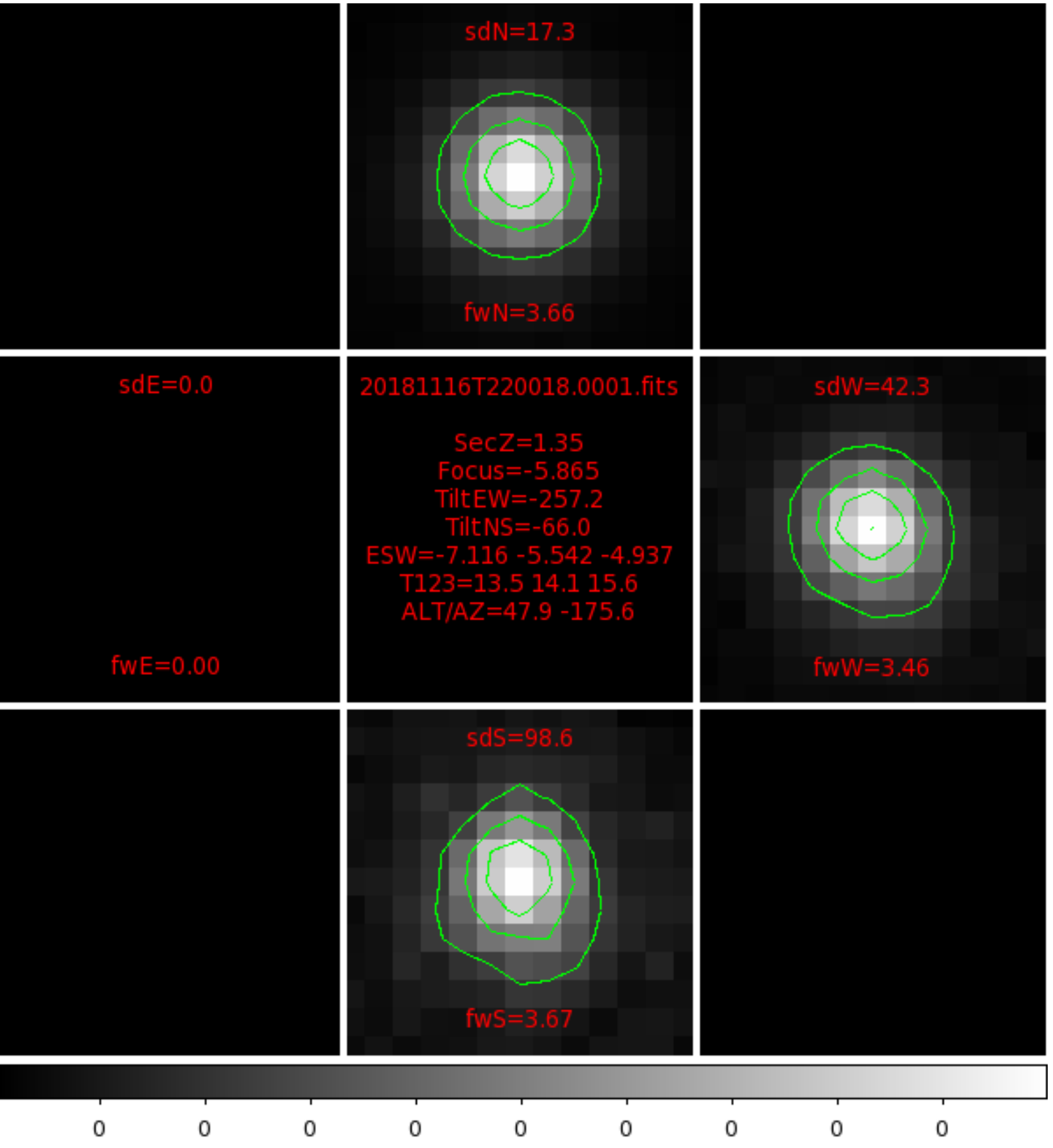

sdN=22.4
fwN=2.91
sdE=0.0
fwE=1.12
20181116T215338.0001.fits
SecZ=1.35
Focus=-5.872
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.123 -5.549 -4.944
T123=13.5 14.1 15.6
ALT/AZ=48.0 -178.0
fwAVG=2.49
sdW=57.0
fwW=2.95
sdS=133.0
fwS=3.09
0 0 0 0 0 0 0 0 0

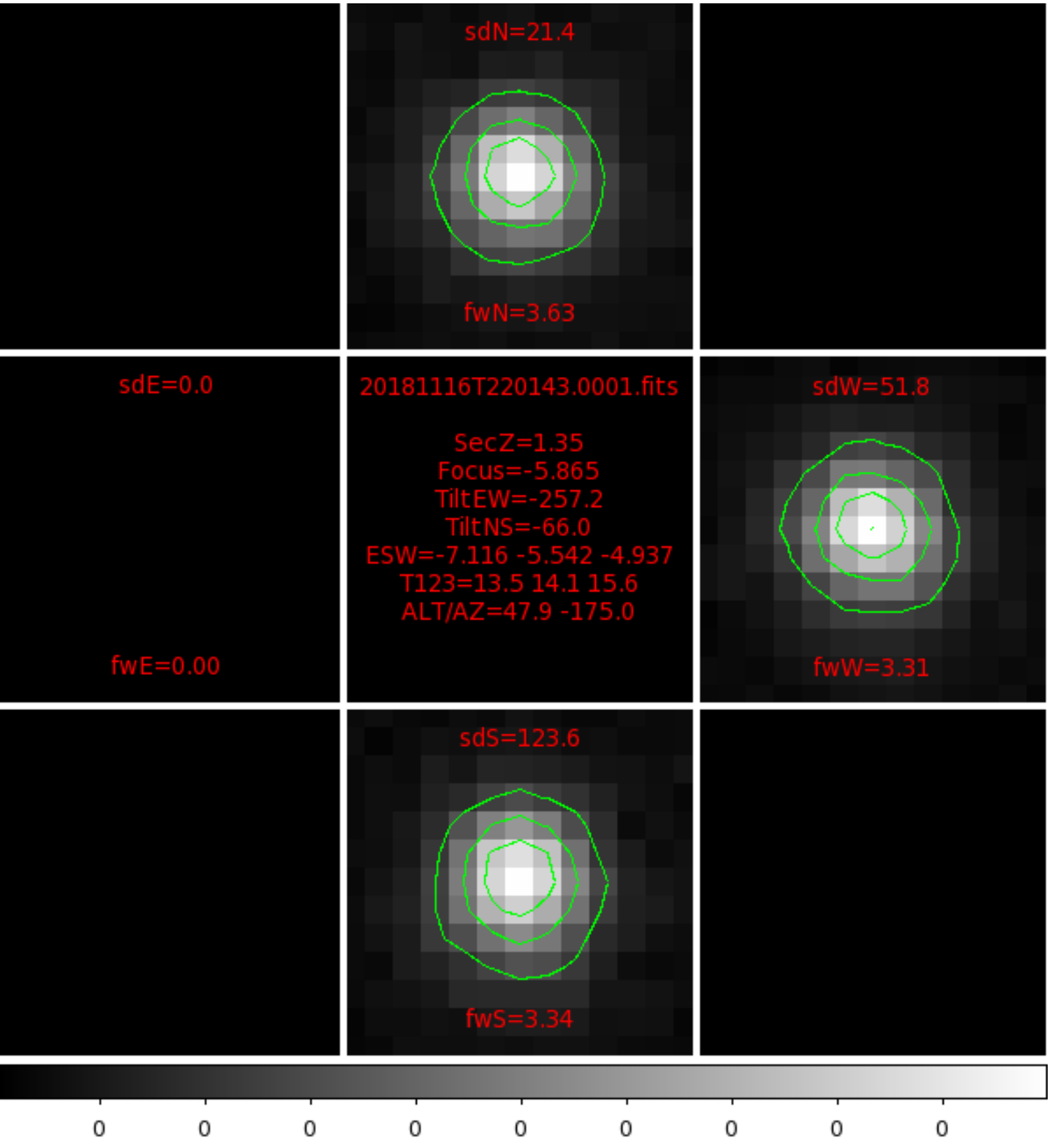

sdN=20.0
fwN=3.11
sdE=0.0
fwE=0.00
20181116T215501.0001.fits
SecZ=1.35
Focus=-5.865
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.116 -5.542 -4.937
T123=13.5 14.1 15.7
ALT/AZ=47.9 -177.5
sdW=44.9
fwW=2.84
sdS=113.0
fwS=2.98
0 0 0 0 0 0 0 0 0

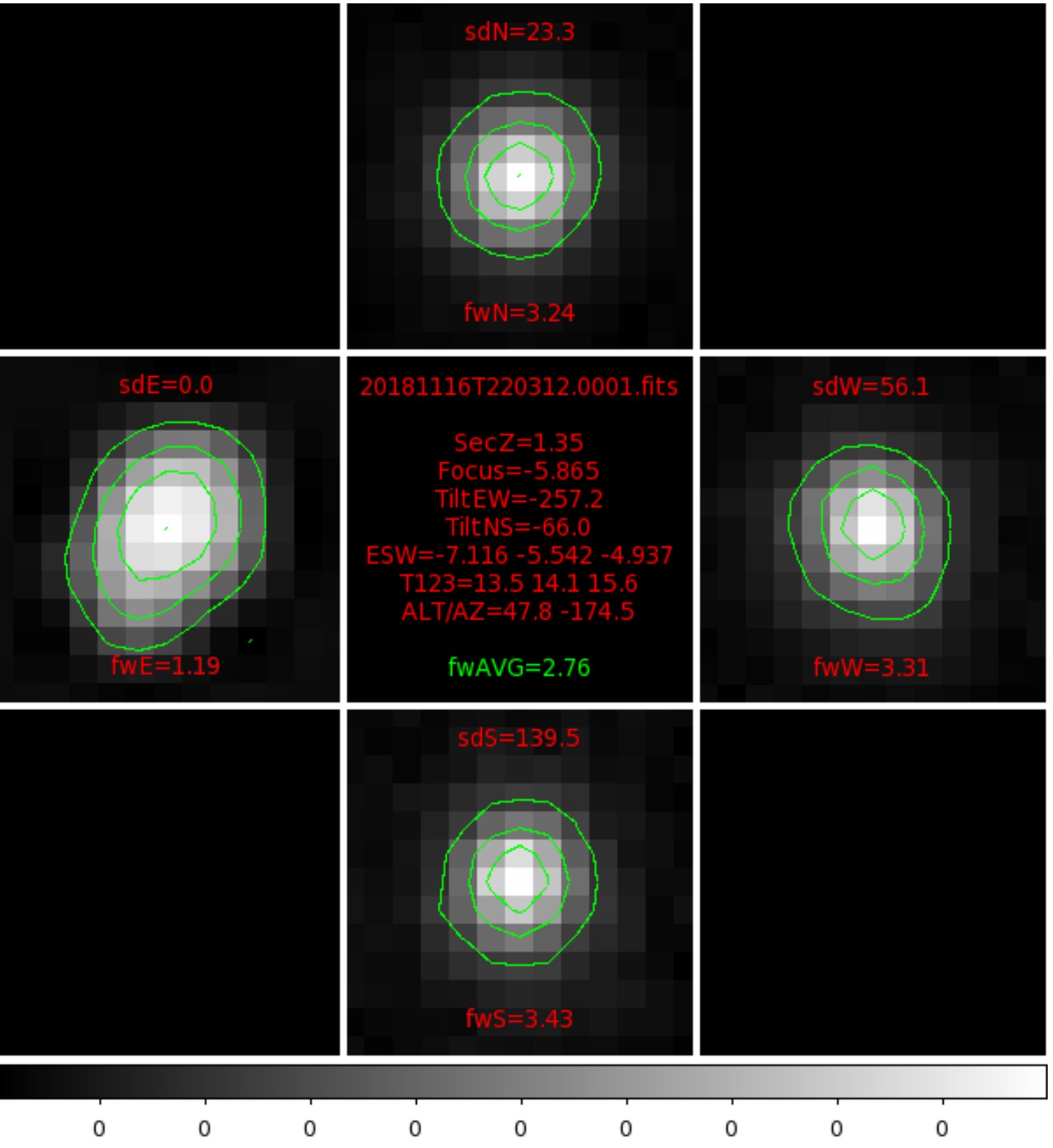

sdN=20.1
fwN=3.10
sdE=0.0
fwE=0.00
20181116T215625.0001.fits
SecZ=1.35
Focus=-5.865
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.116 -5.542 -4.937
T123=13.5 14.1 15.6
ALT/AZ=47.9 -177.0
sdW=45.0
fwW=3.09
sdS=112.1
fwS=3.06
0 0 0 0 0 0 0 0 0

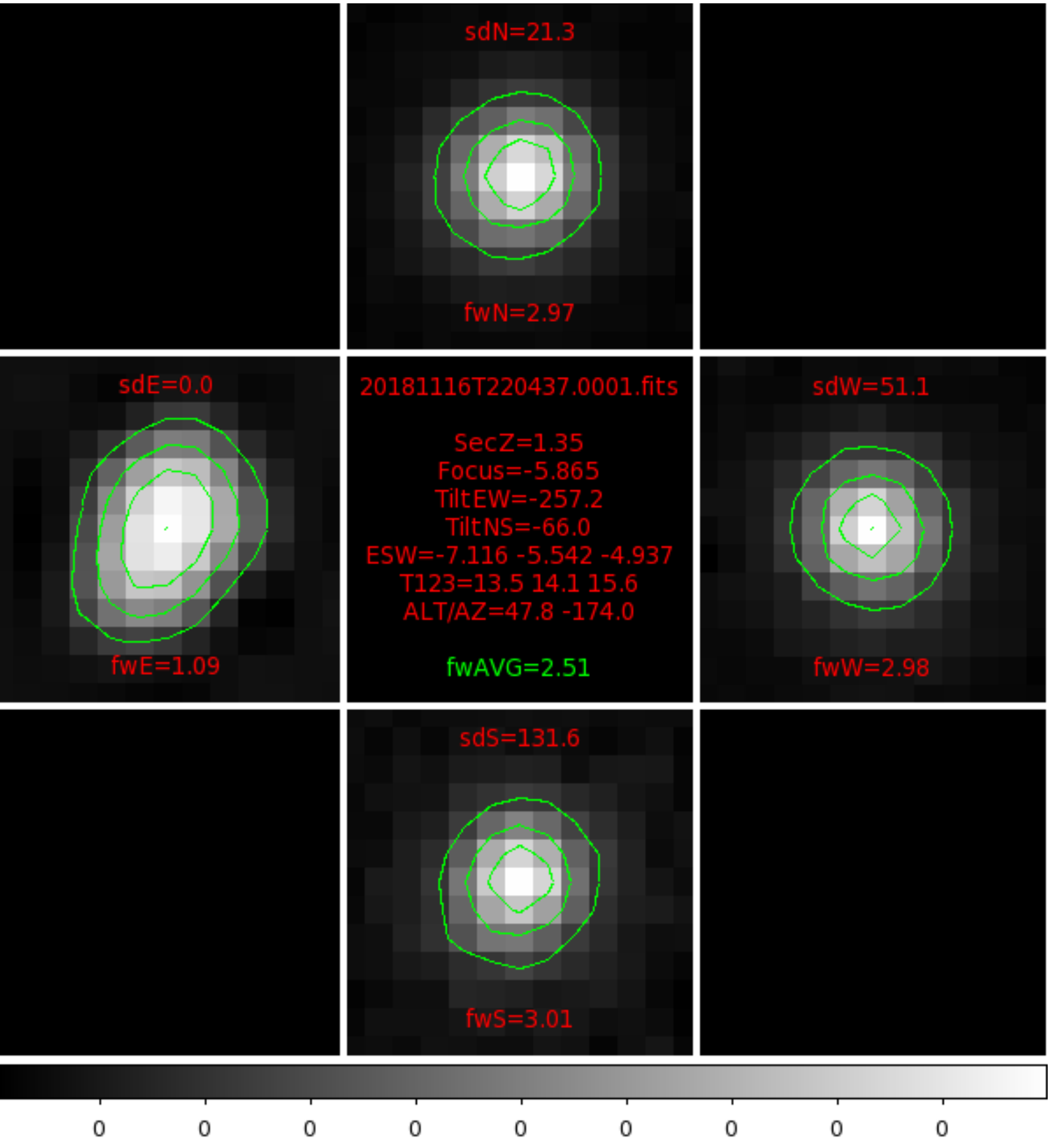

sdN=17.7
fwN=3.37
sdE=0.0
fwE=0.00
20181116T215737.0001.fits
SecZ=1.35
Focus=-5.872
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.123 -5.549 -4.944
T123=13.6 14.1 15.6
ALT/AZ=47.9 -176.5
sdW=36.9
fwW=3.31
sdS=93.0
fwS=2.93
0 0 0 0 0 0 0 0 0

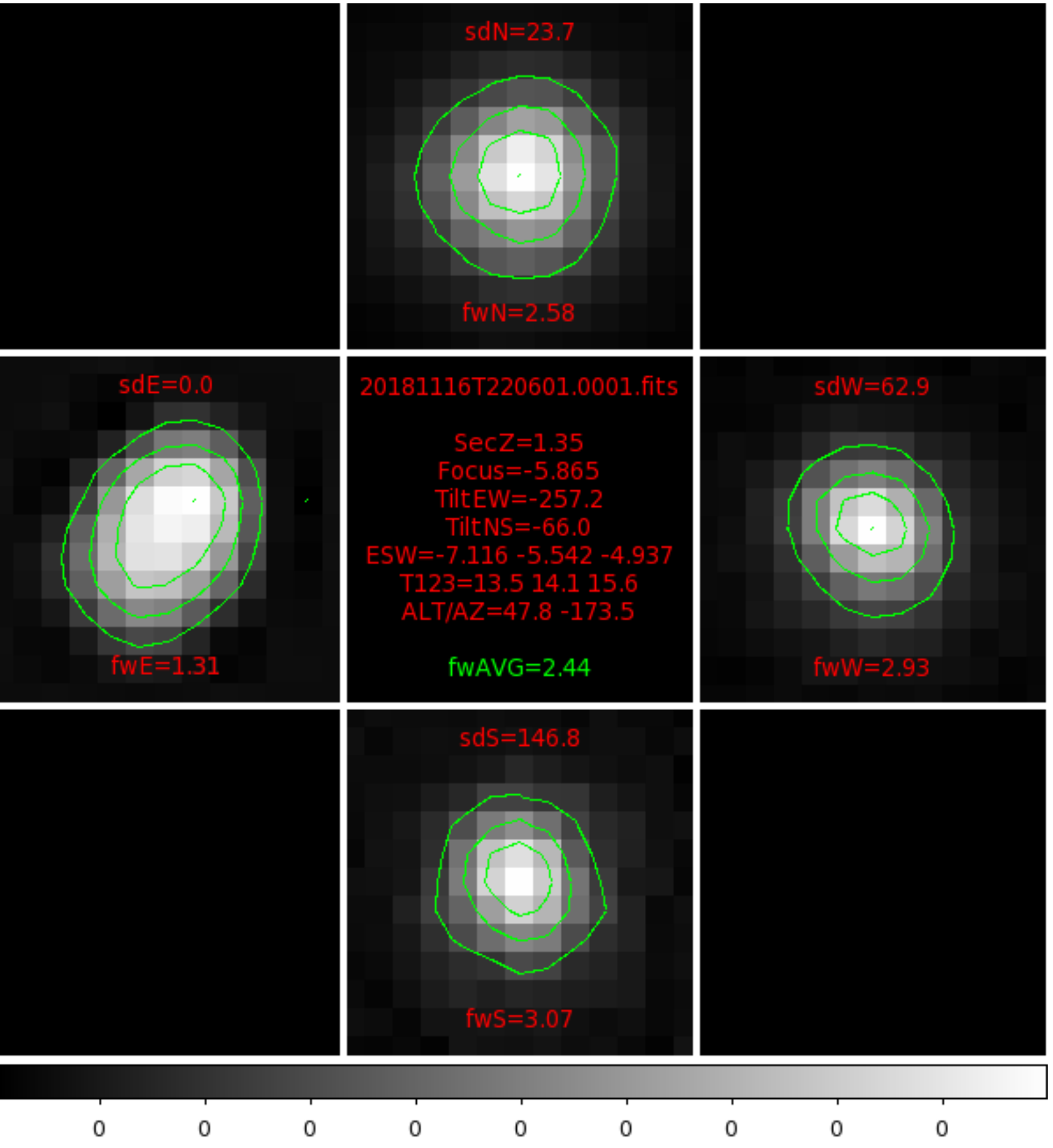

sdN=19.5
fwN=3.11
sdE=0.0
fwE=0.00
20181116T215854.0001.fits
SecZ=1.35
Focus=-5.865
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.116 -5.542 -4.937
T123=13.5 14.1 15.6
ALT/AZ=47.9 -176.1
sdW=44.6
fwW=3.03
sdS=111.0
fwS=3.03
0 0 0 0 0 0 0 0 0

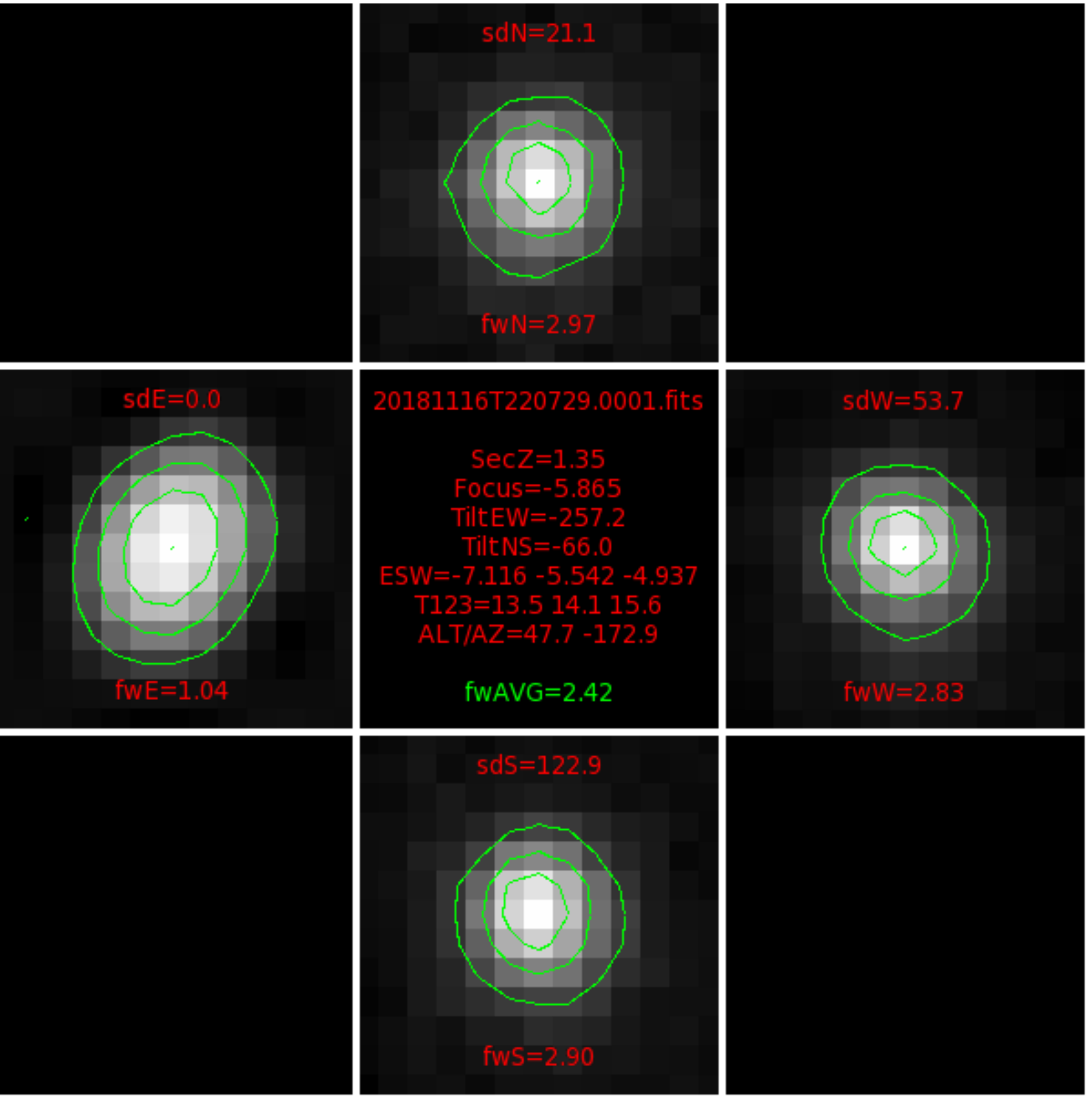

sdN=17.3
fwN=3.66
sdE=0.0
fwE=0.00
20181116T220018.0001.fits
SecZ=1.35
Focus=-5.865
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.116 -5.542 -4.937
T123=13.5 14.1 15.6
ALT/AZ=47.9 -175.6
sdW=42.3
fwW=3.46
sdS=98.6
fwS=3.67
0 0 0 0 0 0 0 0 0

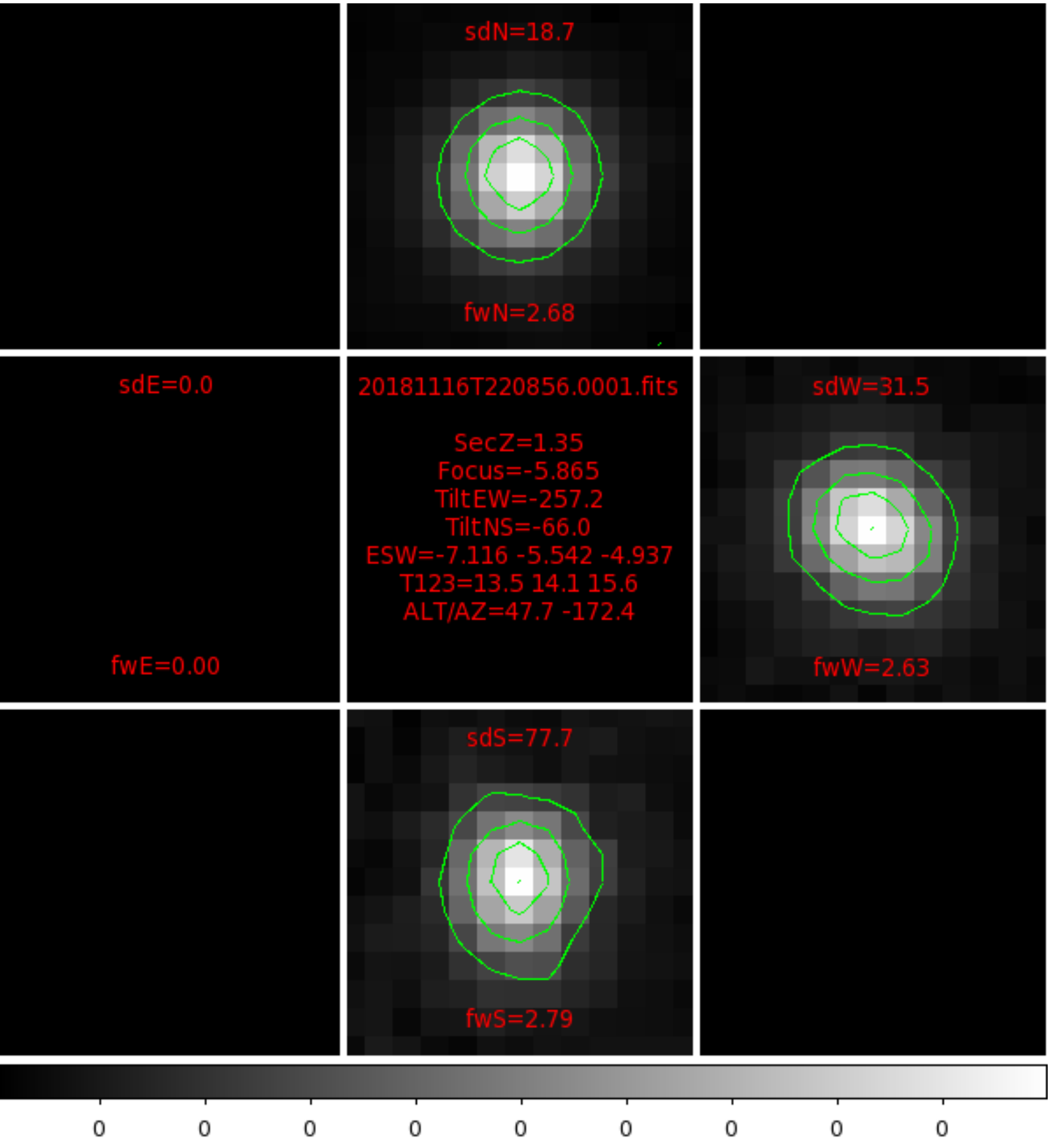

sdN=21.4
fwN=3.63
sdE=0.0
fwE=0.00
20181116T220143.0001.fits
SecZ=1.35
Focus=-5.865
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.116 -5.542 -4.937
T123=13.5 14.1 15.6
ALT/AZ=47.9 -175.0
sdW=51.8
fwW=3.31
sdS=123.6
fwS=3.34
0 0 0 0 0 0 0 0 0

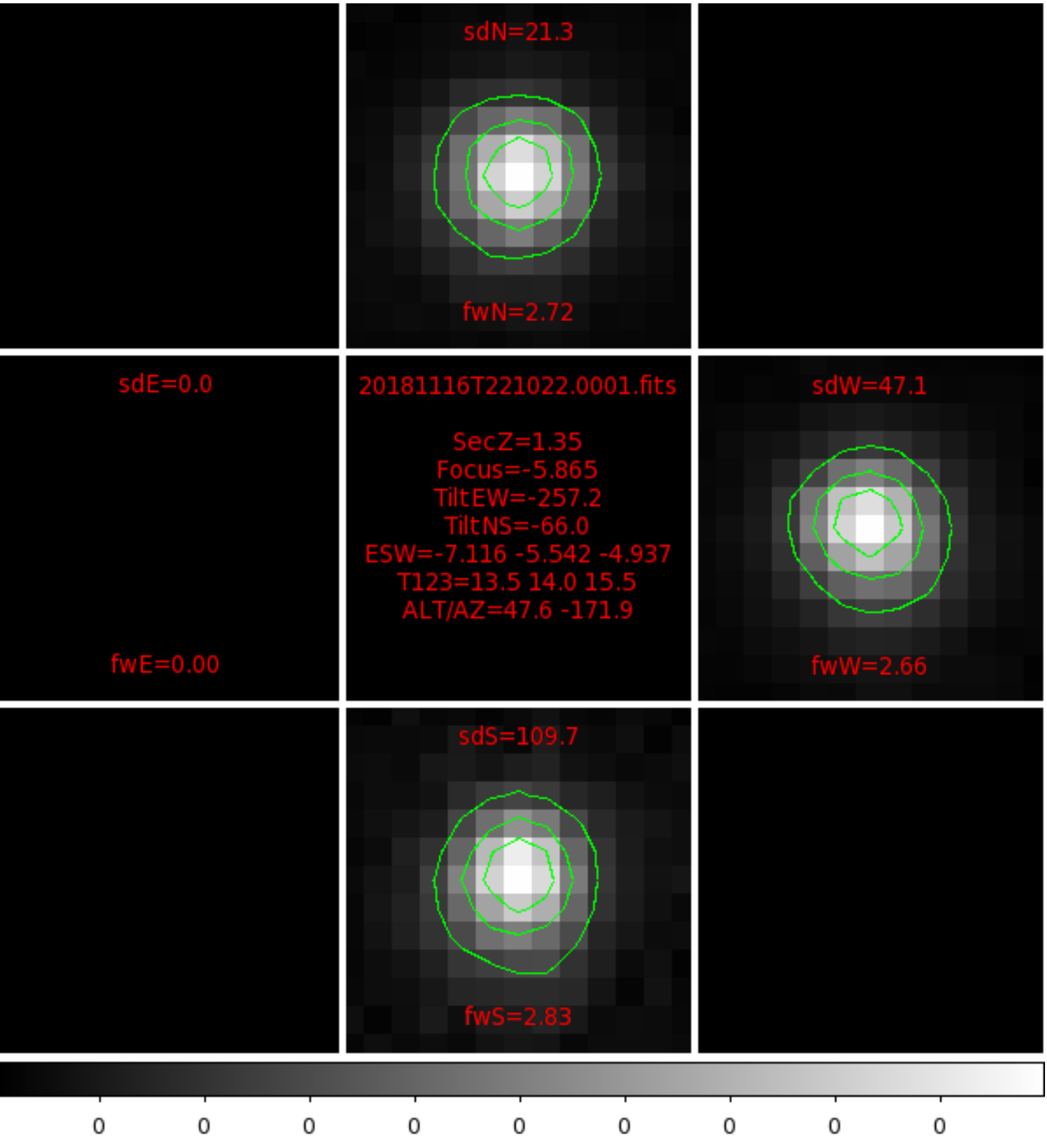

sdN=23.3
fwN=3.24
sdE=0.0
fwE=1.19
20181116T220312.0001.fits
SecZ=1.35
Focus=-5.865
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.116 -5.542 -4.937
T123=13.5 14.1 15.6
ALT/AZ=47.8 -174.5
fwAVG=2.76
sdW=56.1
fwW=3.31
sdS=139.5
fwS=3.43
0 0 0 0 0 0 0 0 0

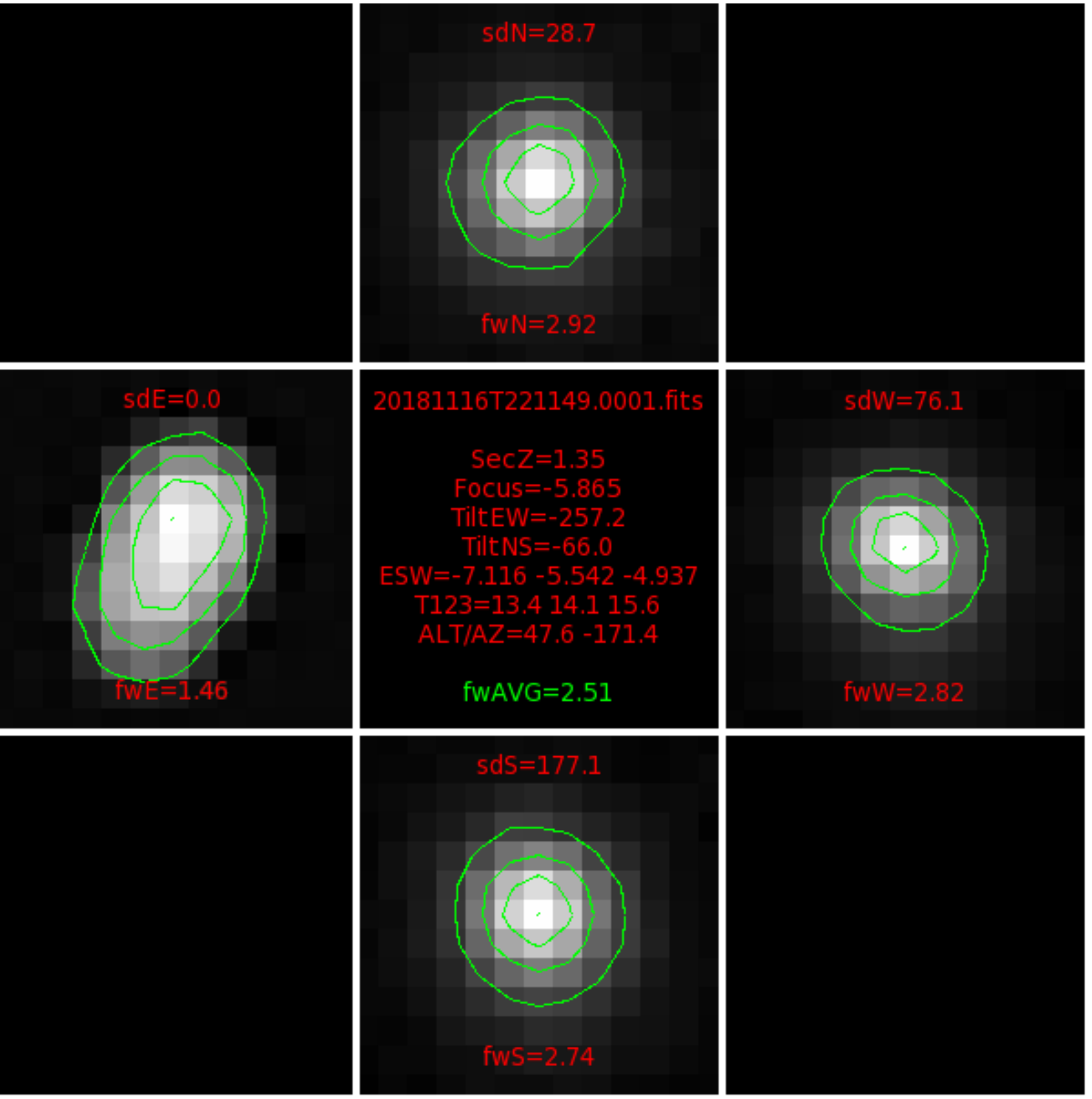

sdN=21.3
fwN=2.97
sdE=0.0
fwE=1.09
20181116T220437.0001.fits
SecZ=1.35
Focus=-5.865
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.116 -5.542 -4.937
T123=13.5 14.1 15.6
ALT/AZ=47.8 -174.0
fwAVG=2.51
sdW=51.1
fwW=2.98
sdS=131.6
fwS=3.01
0 0 0 0 0 0 0 0 0

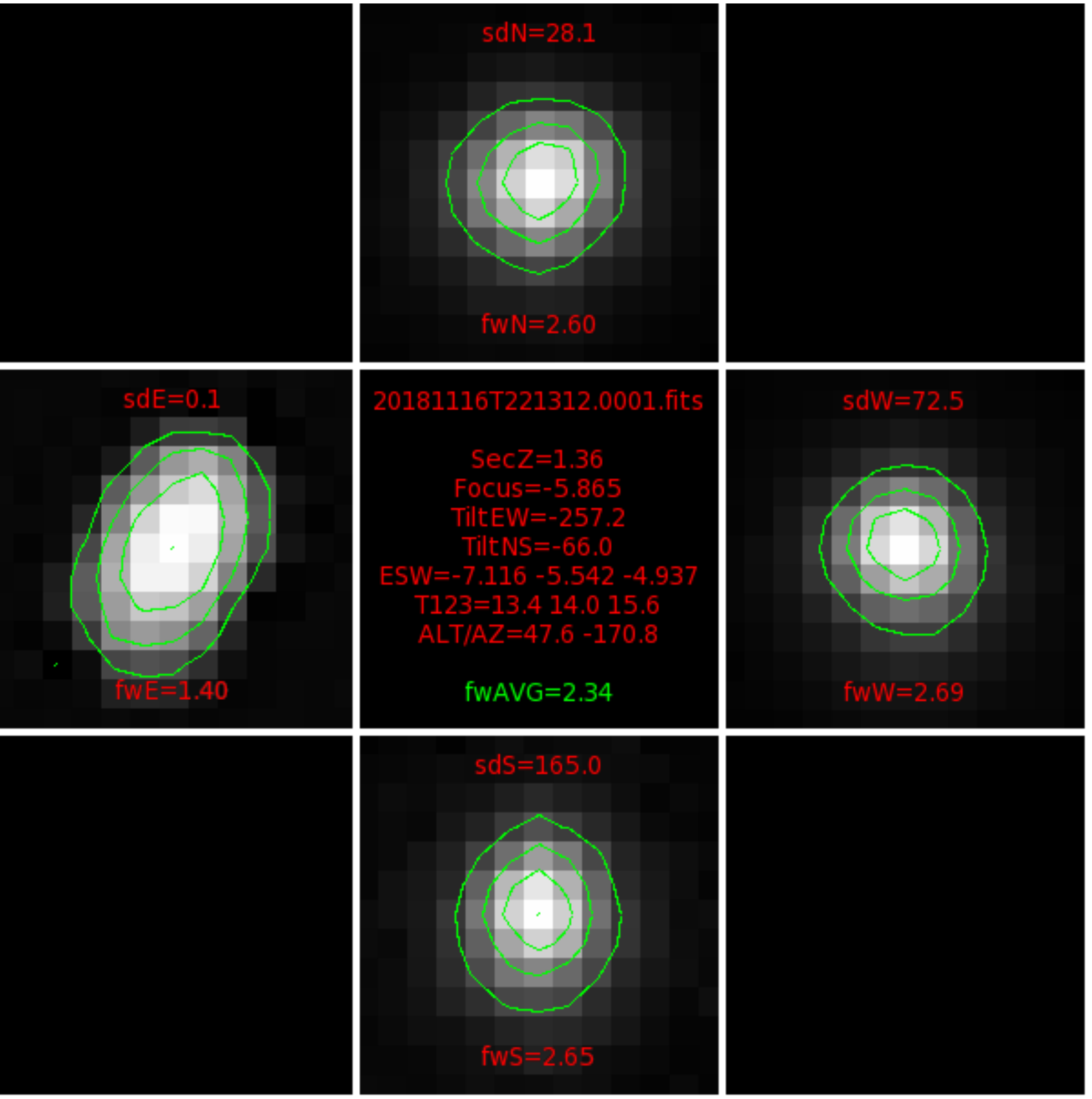

sdN=23.7
fwN=2.58
sdE=0.0
fwE=1.31
20181116T220601.0001.fits
SecZ=1.35
Focus=-5.865
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.116 -5.542 -4.937
T123=13.5 14.1 15.6
ALT/AZ=47.8 -173.5
fwAVG=2.44
sdW=62.9
fwW=2.93
sdS=146.8
fwS=3.07
0 0 0 0 0 0 0 0 0

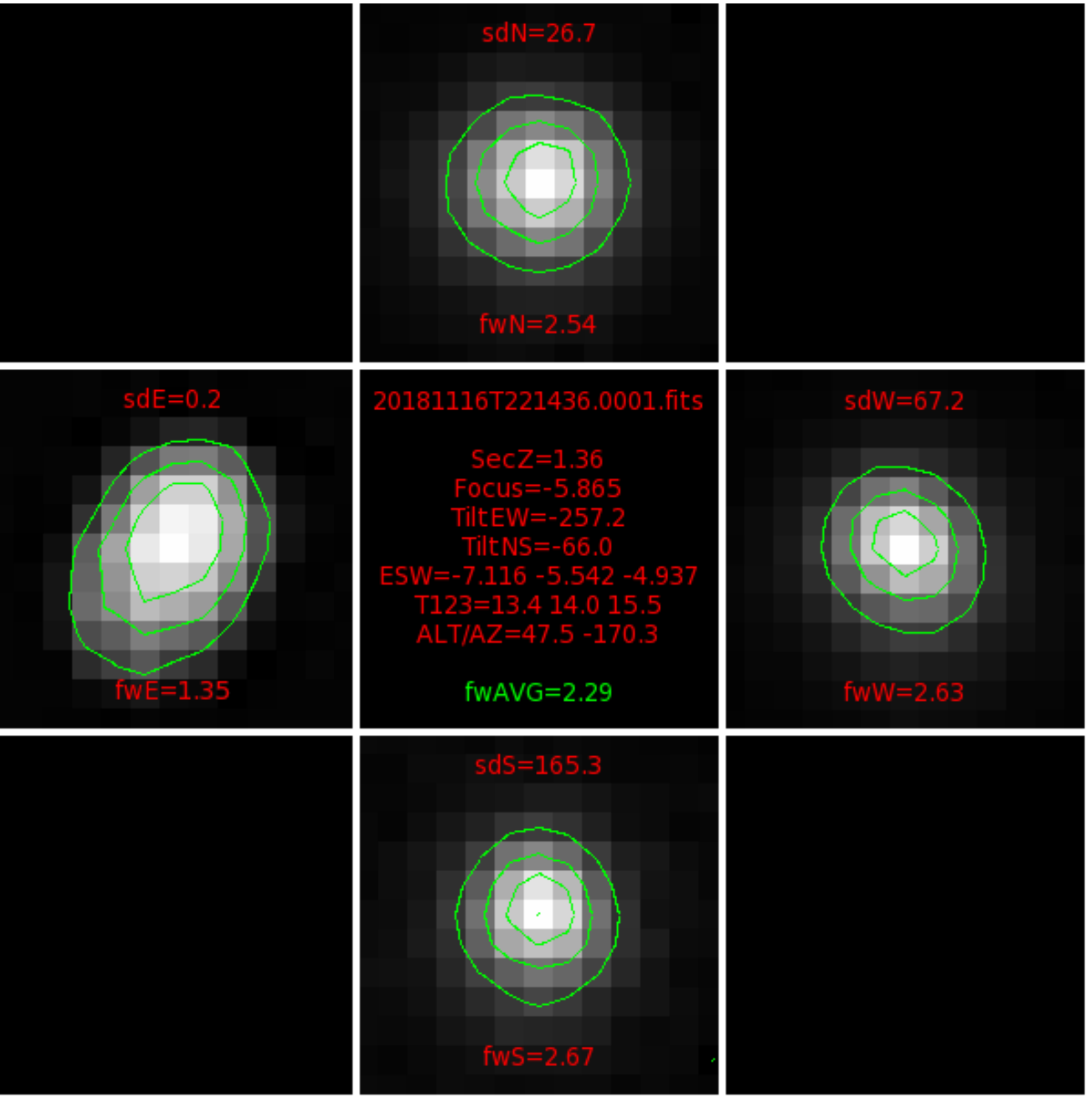

sdN=21.1
fwN=2.97
sdE=0.0
fwE=1.04
20181116T220729.0001.fits
SecZ=1.35
Focus=-5.865
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.116 -5.542 -4.937
T123=13.5 14.1 15.6
ALT/AZ=47.7 -172.9
fwAVG=2.42
sdW=53.7
fwW=2.83
sdS=122.9
fwS=2.90
0 0 0 0 0 0 0 0 0

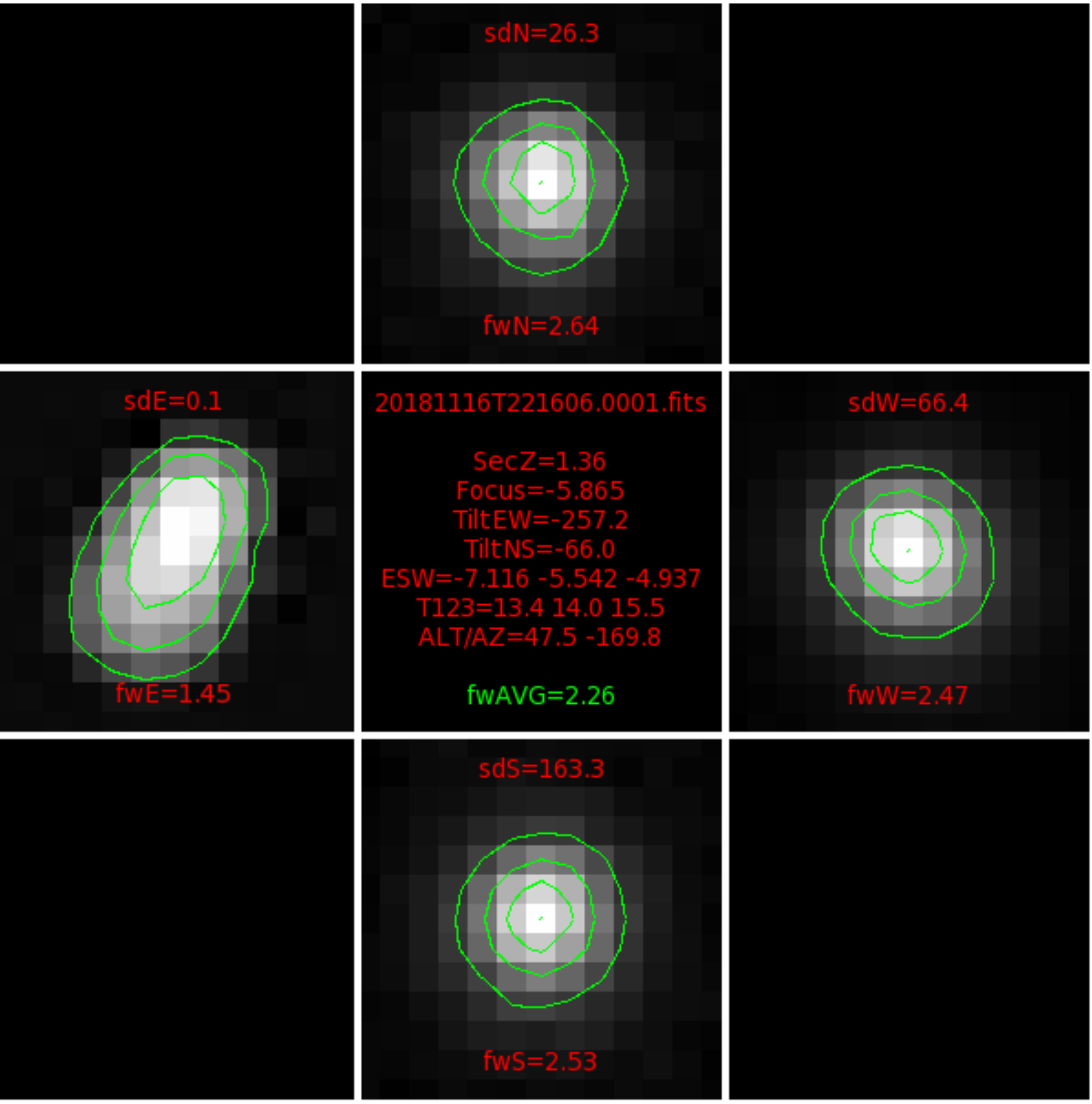

sdN=18.7
fwN=2.68
sdE=0.0
fwE=0.00
20181116T220856.0001.fits
SecZ=1.35
Focus=-5.865
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.116 -5.542 -4.937
T123=13.5 14.1 15.6
ALT/AZ=47.7 -172.4
sdW=31.5
fwW=2.63
sdS=77.7
fwS=2.79
0 0 0 0 0 0 0 0 0

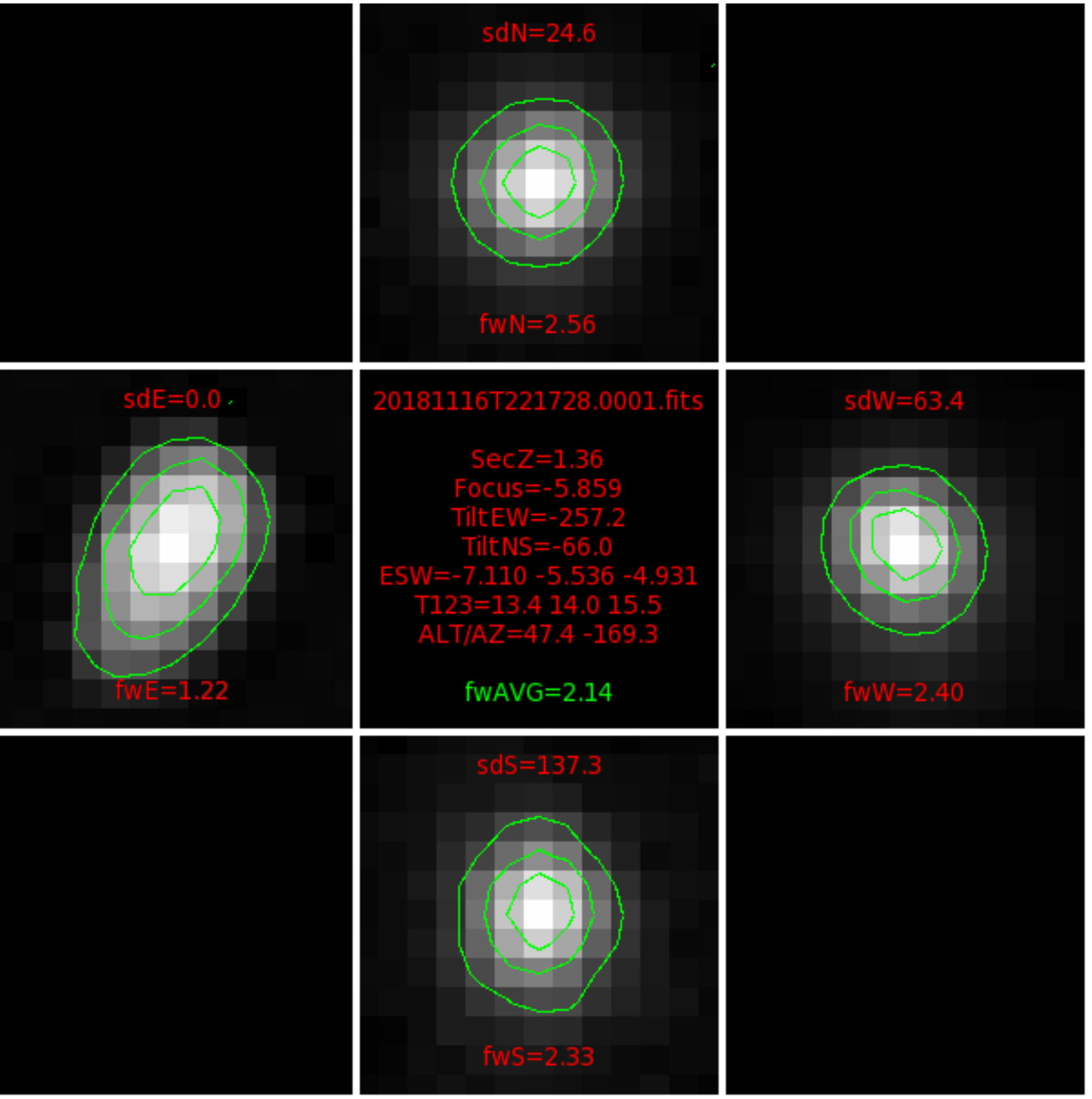

sdN=21.3
fwN=2.72
sdE=0.0
fwE=0.00
20181116T221022.0001.fits
SecZ=1.35
Focus=-5.865
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.116 -5.542 -4.937
T123=13.5 14.0 15.5
ALT/AZ=47.6 -171.9
sdW=47.1
fwW=2.66
sdS=109.7
fwS=2.83
0 0 0 0 0 0 0 0 0

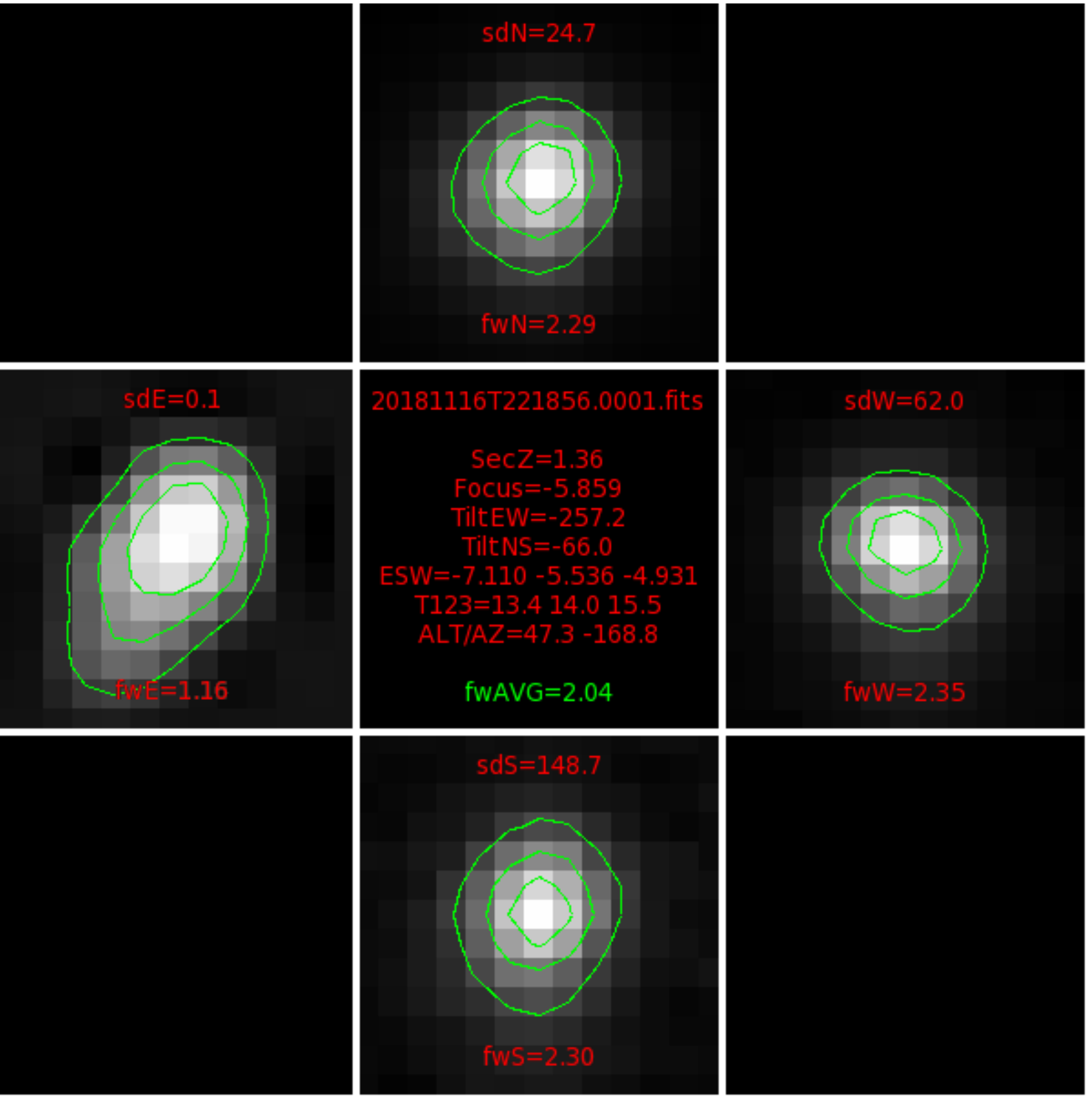

sdN=28.7
fwN=2.92
sdE=0.0
fwE=1.46
20181116T221149.0001.fits
SecZ=1.35
Focus=-5.865
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.116 -5.542 -4.937
T123=13.4 14.1 15.6
ALT/AZ=47.6 -171.4
fwAVG=2.51
sdW=76.1
fwW=2.82
sdS=177.1
fwS=2.74
0 0 0 0 0 0 0 0 0

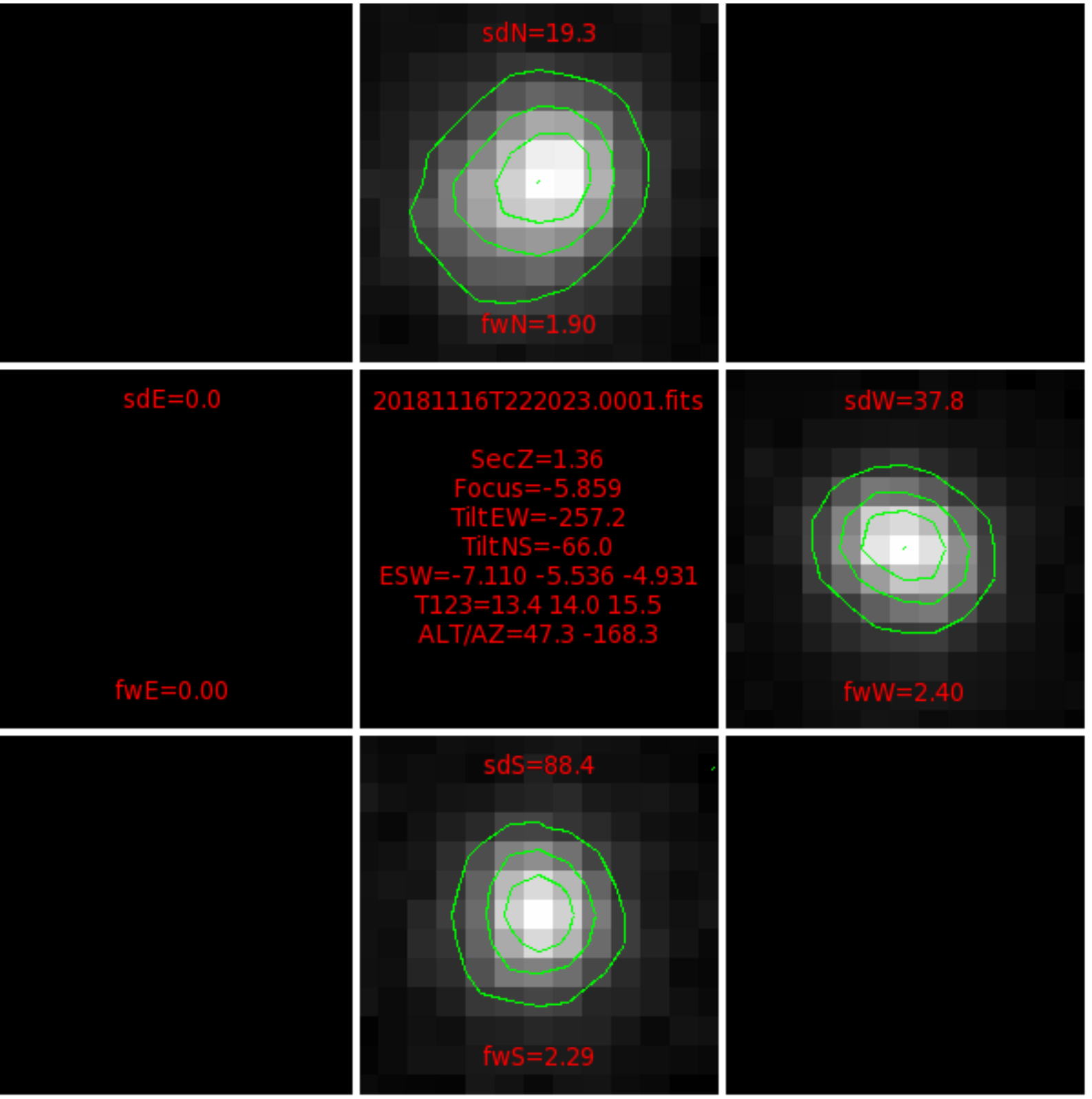

sdN=28.1
fwN=2.60
sdE=0.1
fwE=1.40
20181116T221312.0001.fits
SecZ=1.36
Focus=-5.865
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.116 -5.542 -4.937
T123=13.4 14.0 15.6
ALT/AZ=47.6 -170.8
fwAVG=2.34
sdW=72.5
fwW=2.69
sdS=165.0
fwS=2.65
0 0 0 0 0 0 0 0 0

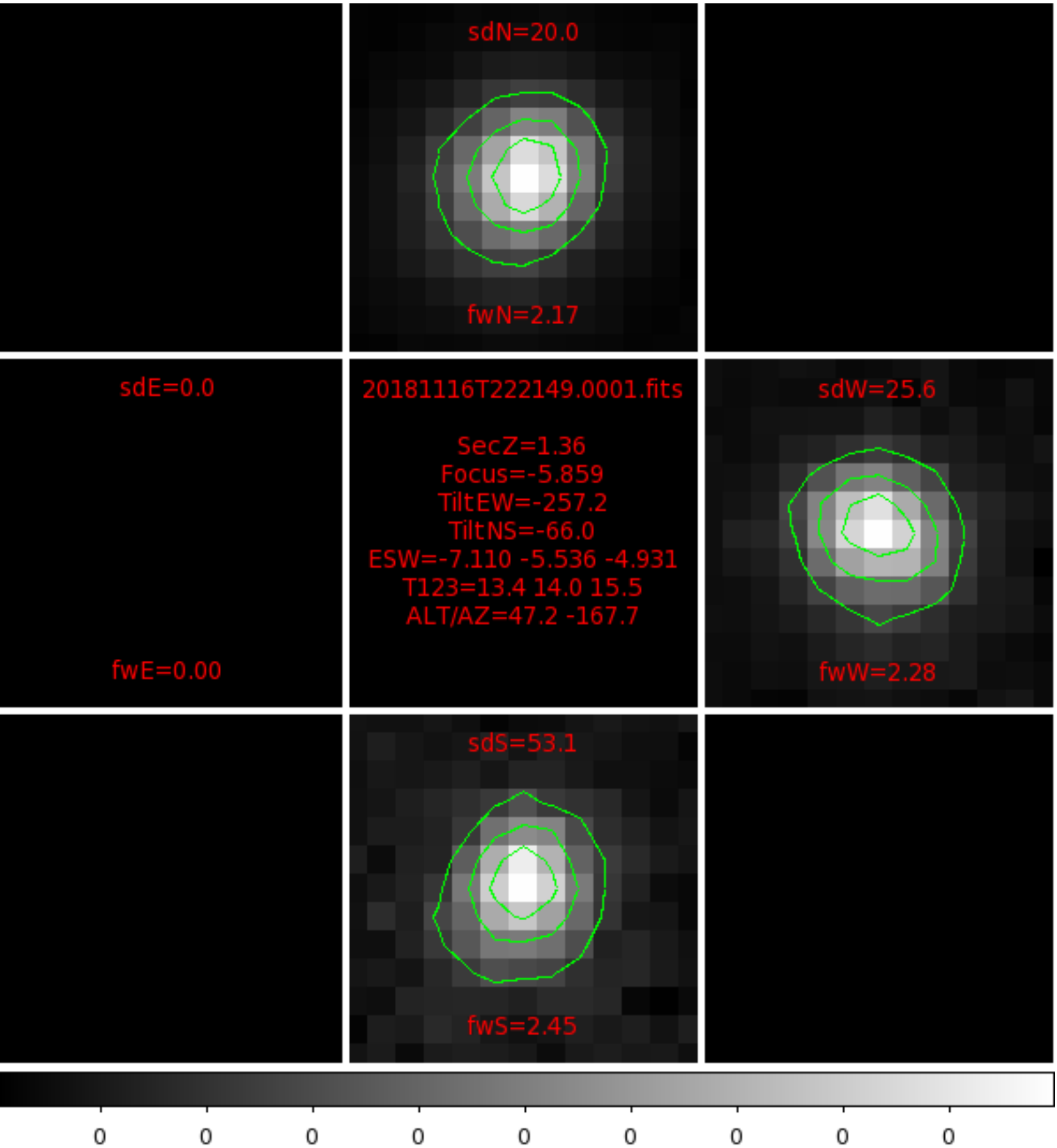

sdN=26.7
fwN=2.54
sdE=0.2
fwE=1.35
20181116T221436.0001.fits
SecZ=1.36
Focus=-5.865
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.116 -5.542 -4.937
T123=13.4 14.0 15.5
ALT/AZ=47.5 -170.3
fwAVG=2.29
sdW=67.2
fwW=2.63
sdS=165.3
fwS=2.67
0 0 0 0 0 0 0 0 0

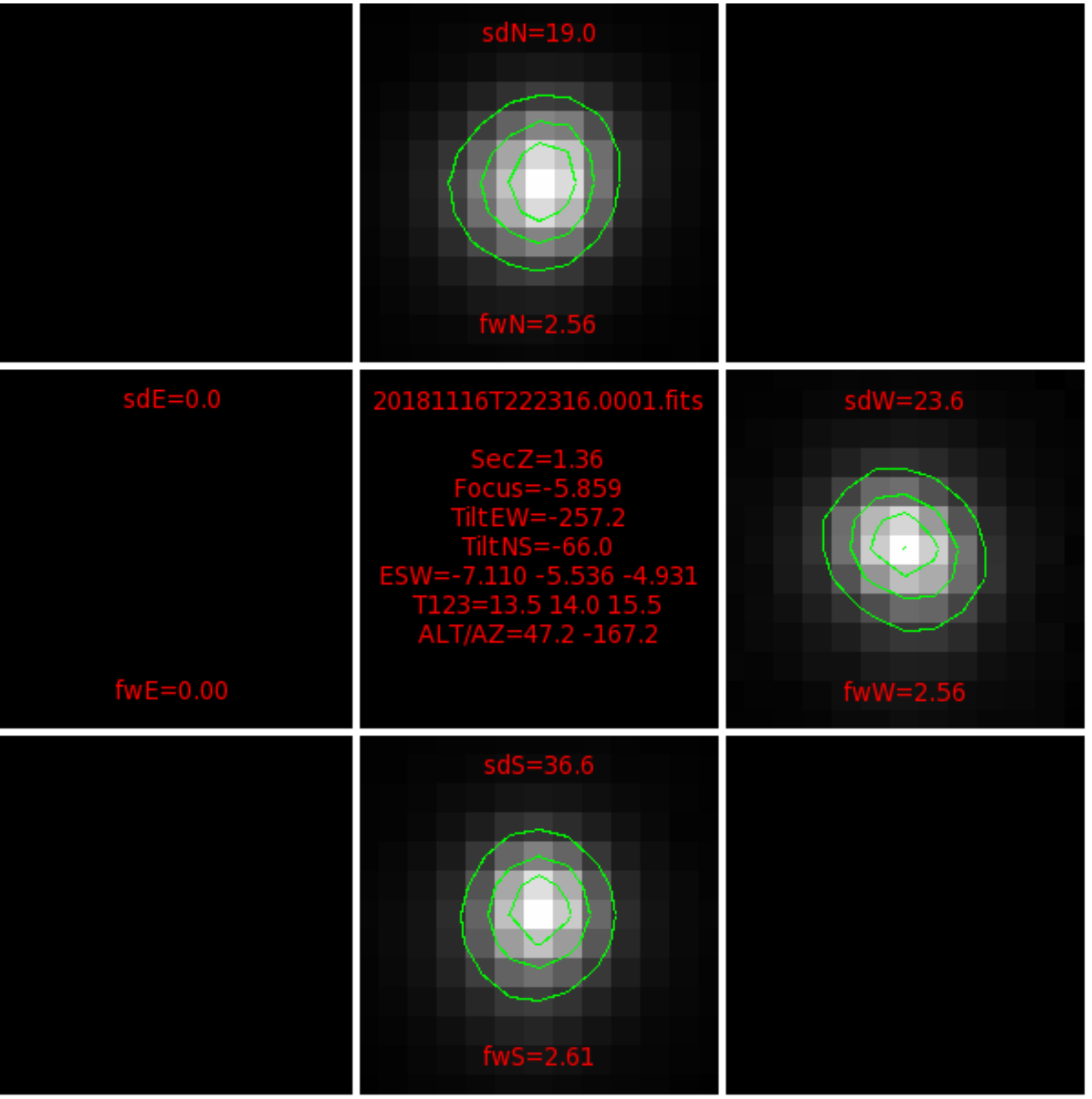

sdN=26.3
fwN=2.64
sdE=0.1
fwE=1.45
20181116T221606.0001.fits
SecZ=1.36
Focus=-5.865
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.116 -5.542 -4.937
T123=13.4 14.0 15.5
ALT/AZ=47.5 -169.8
fwAVG=2.26
sdW=66.4
fwW=2.47
sdS=163.3
fwS=2.53
0 0 0 0 0 0 0 0 0

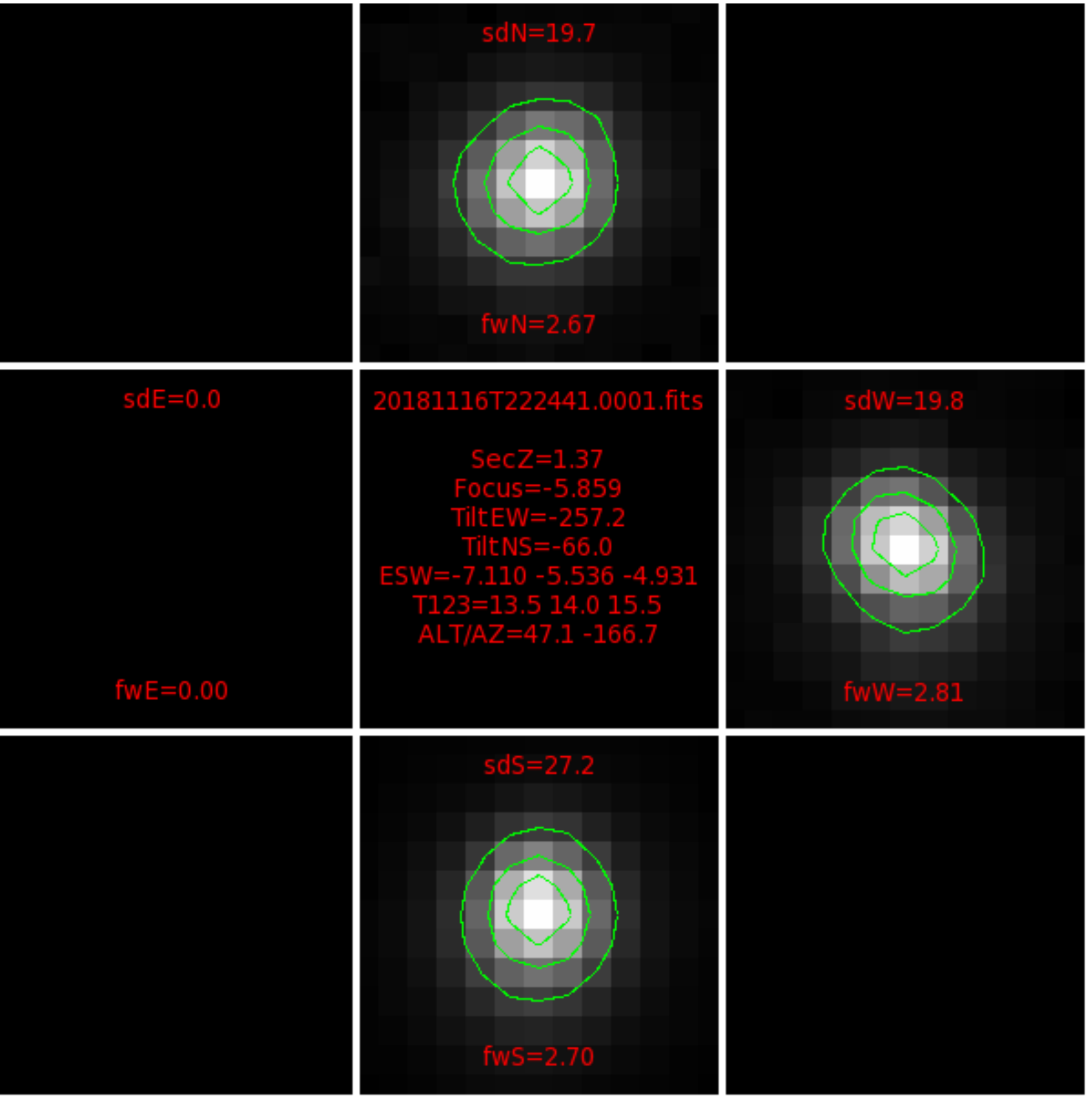

sdN=24.6
fwN=2.56
sdE=0.0
fwE=1.22
20181116T221728.0001.fits
SecZ=1.36
Focus=-5.859
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.110 -5.536 -4.931
T123=13.4 14.0 15.5
ALT/AZ=47.4 -169.3
fwAVG=2.14
sdW=63.4
fwW=2.40
sdS=137.3
fwS=2.33
0 0 0 0 0 0 0 0 0

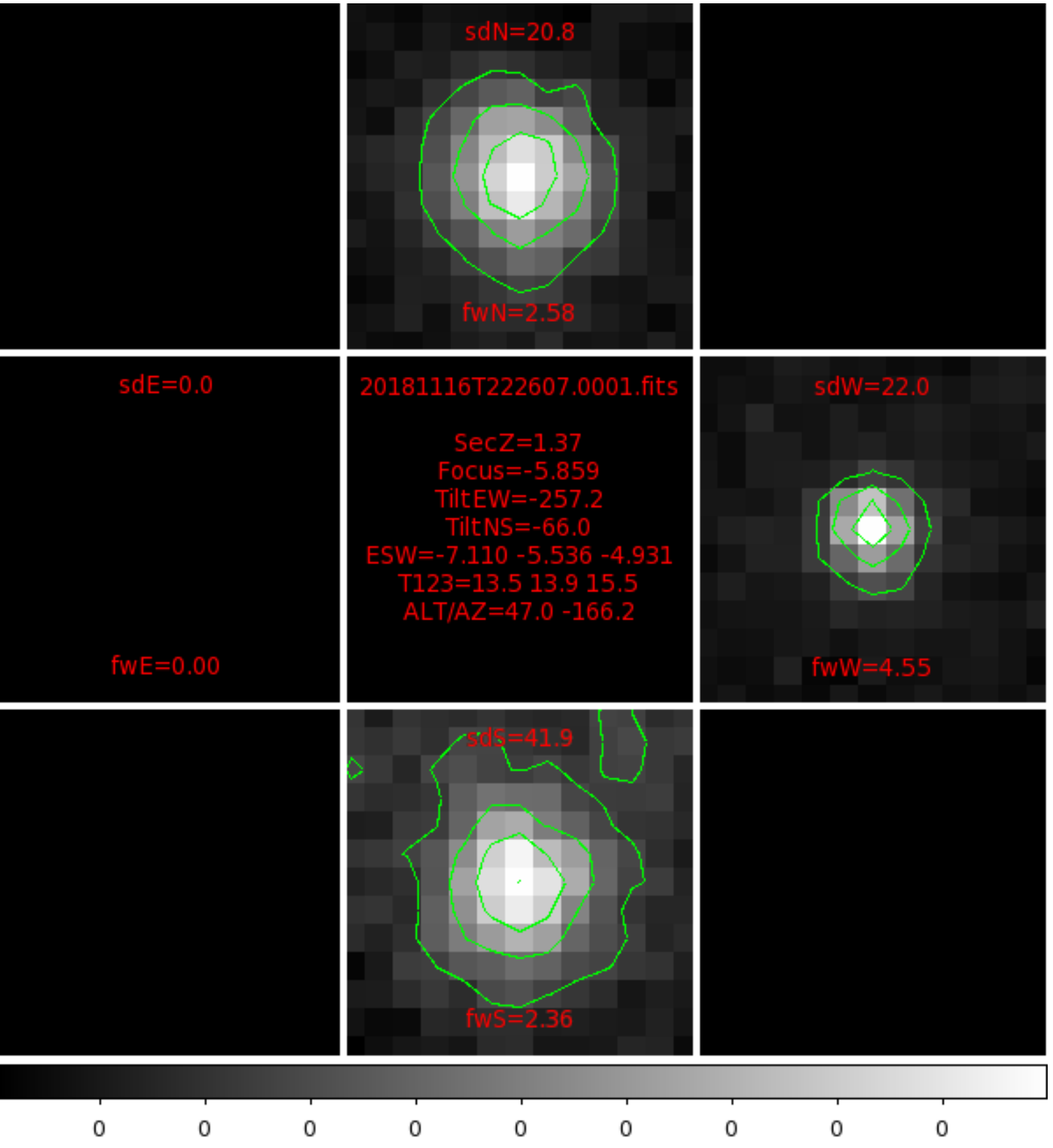

sdN=24.7
fwN=2.29
sdE=0.1
fwE=1.16
20181116T221856.0001.fits
SecZ=1.36
Focus=-5.859
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.110 -5.536 -4.931
T123=13.4 14.0 15.5
ALT/AZ=47.3 -168.8
fwAVG=2.04
sdW=62.0
fwW=2.35
sdS=148.7
fwS=2.30
0 0 0 0 0 0 0 0 0

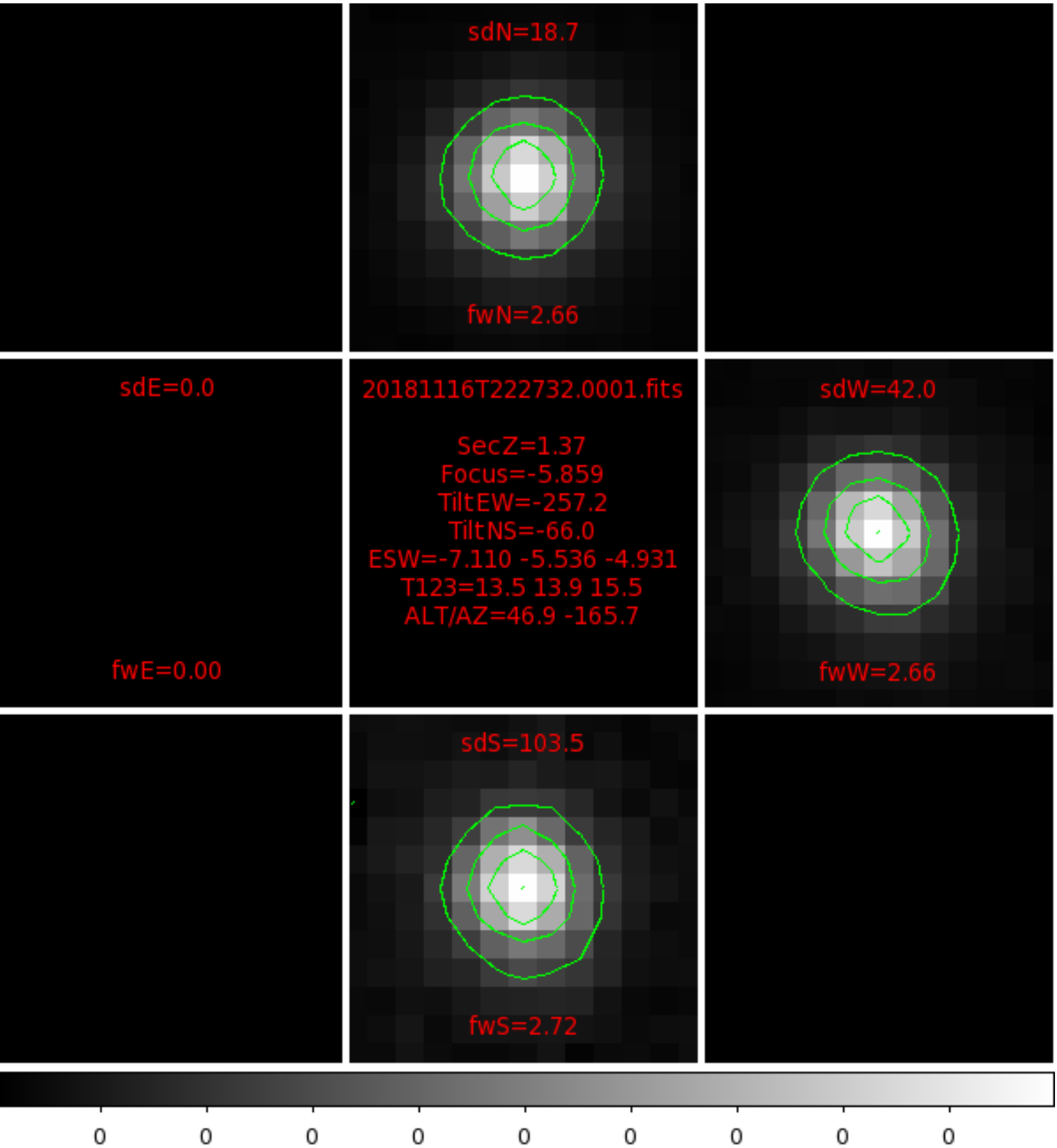

sdN=19.3
fwN=1.90
sdE=0.0
fwE=0.00
20181116T222023.0001.fits
SecZ=1.36
Focus=-5.859
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.110 -5.536 -4.931
T123=13.4 14.0 15.5
ALT/AZ=47.3 -168.3
sdW=37.8
fwW=2.40
sdS=88.4
fwS=2.29
0 0 0 0 0 0 0 0 0

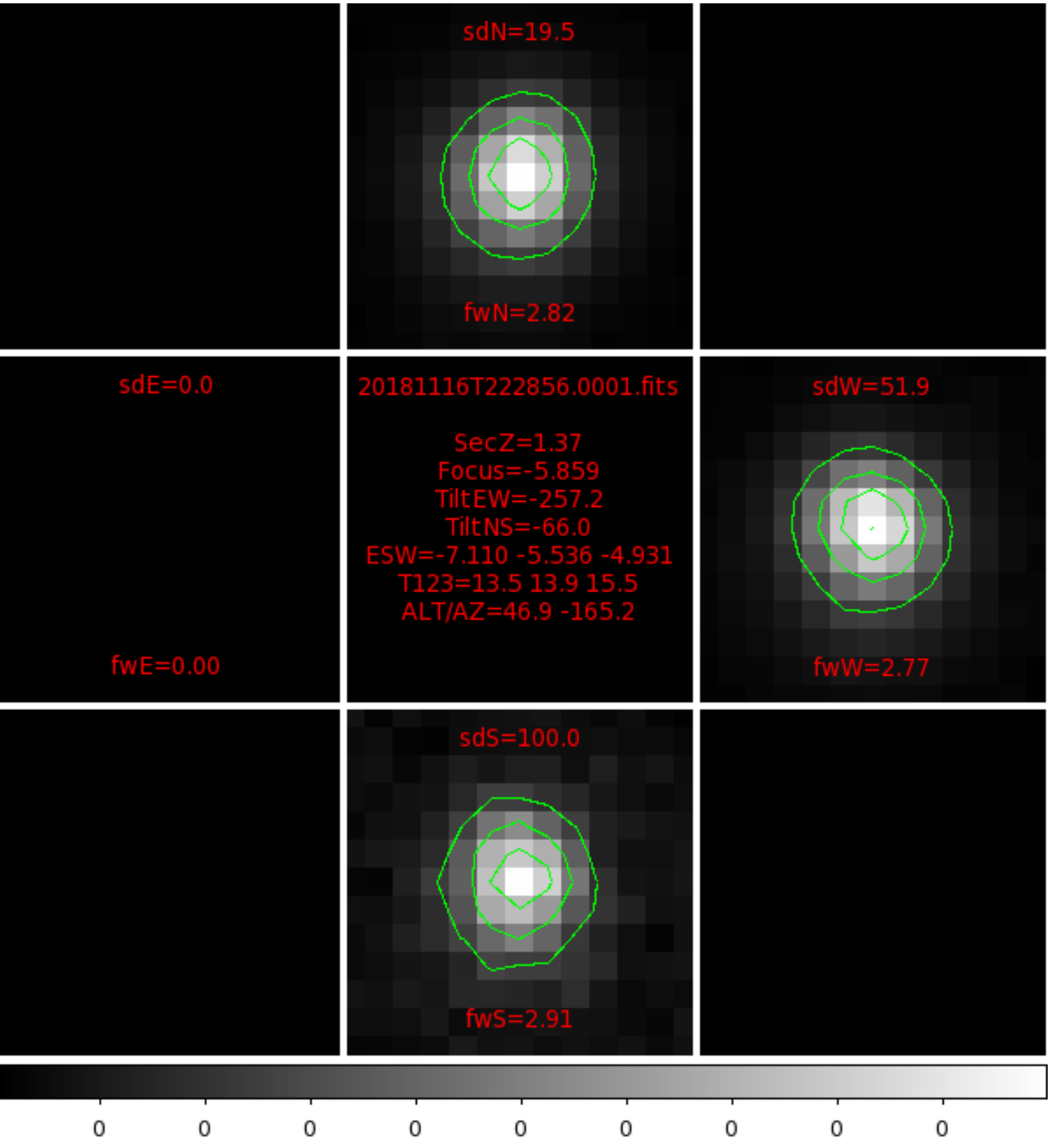

sdN=20.0
fwN=2.17
sdE=0.0
fwE=0.00
20181116T222149.0001.fits
SecZ=1.36
Focus=-5.859
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.110 -5.536 -4.931
T123=13.4 14.0 15.5
ALT/AZ=47.2 -167.7
sdW=25.6
fwW=2.28
sdS=53.1
fwS=2.45
0 0 0 0 0 0 0 0 0

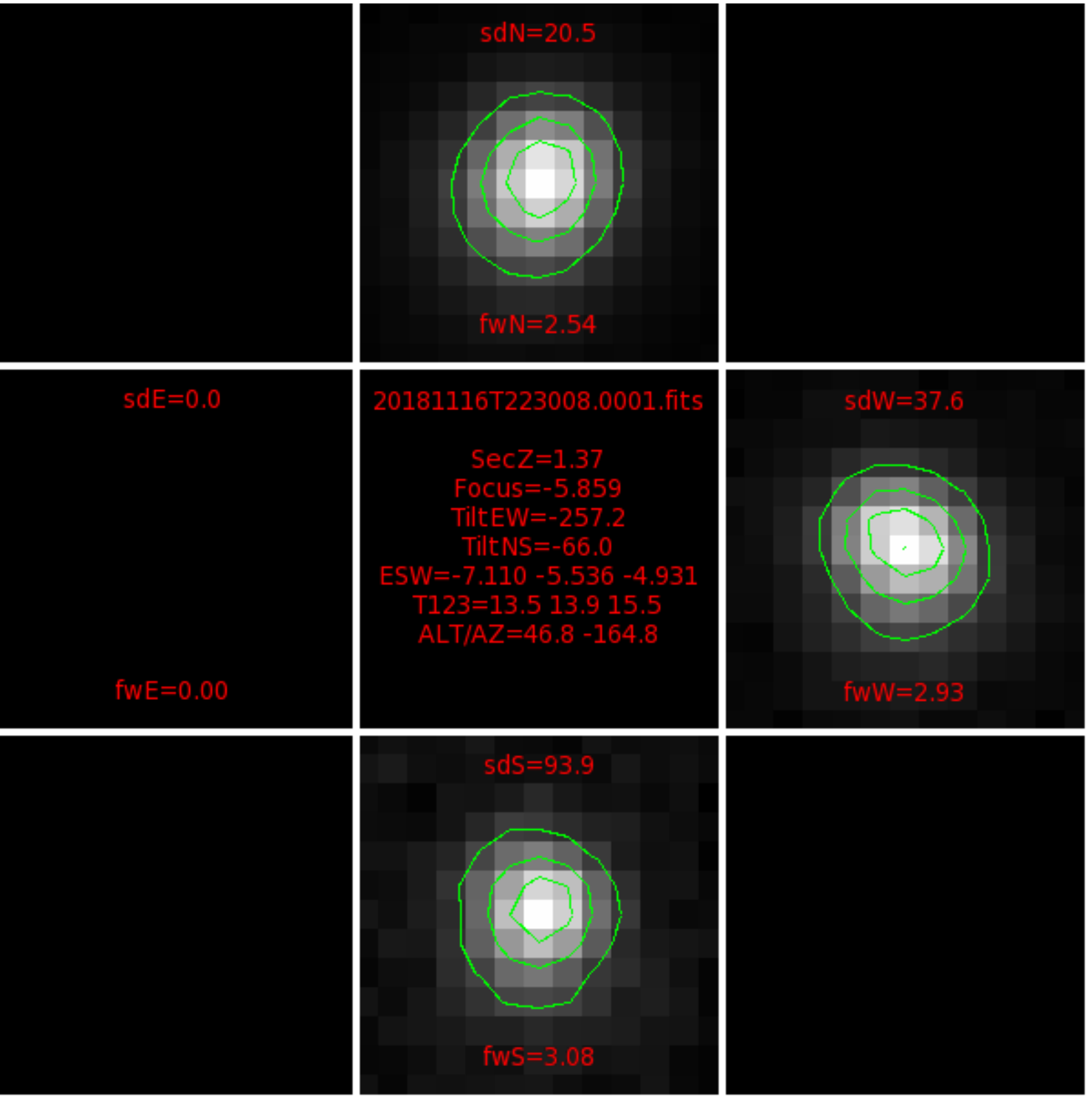

sdN=19.0
fwN=2.56
sdE=0.0
fwE=0.00
20181116T222316.0001.fits
SecZ=1.36
Focus=-5.859
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.110 -5.536 -4.931
T123=13.5 14.0 15.5
ALT/AZ=47.2 -167.2
sdW=23.6
fwW=2.56
sdS=36.6
fwS=2.61
0 0 0 0 0 0 0 0 0

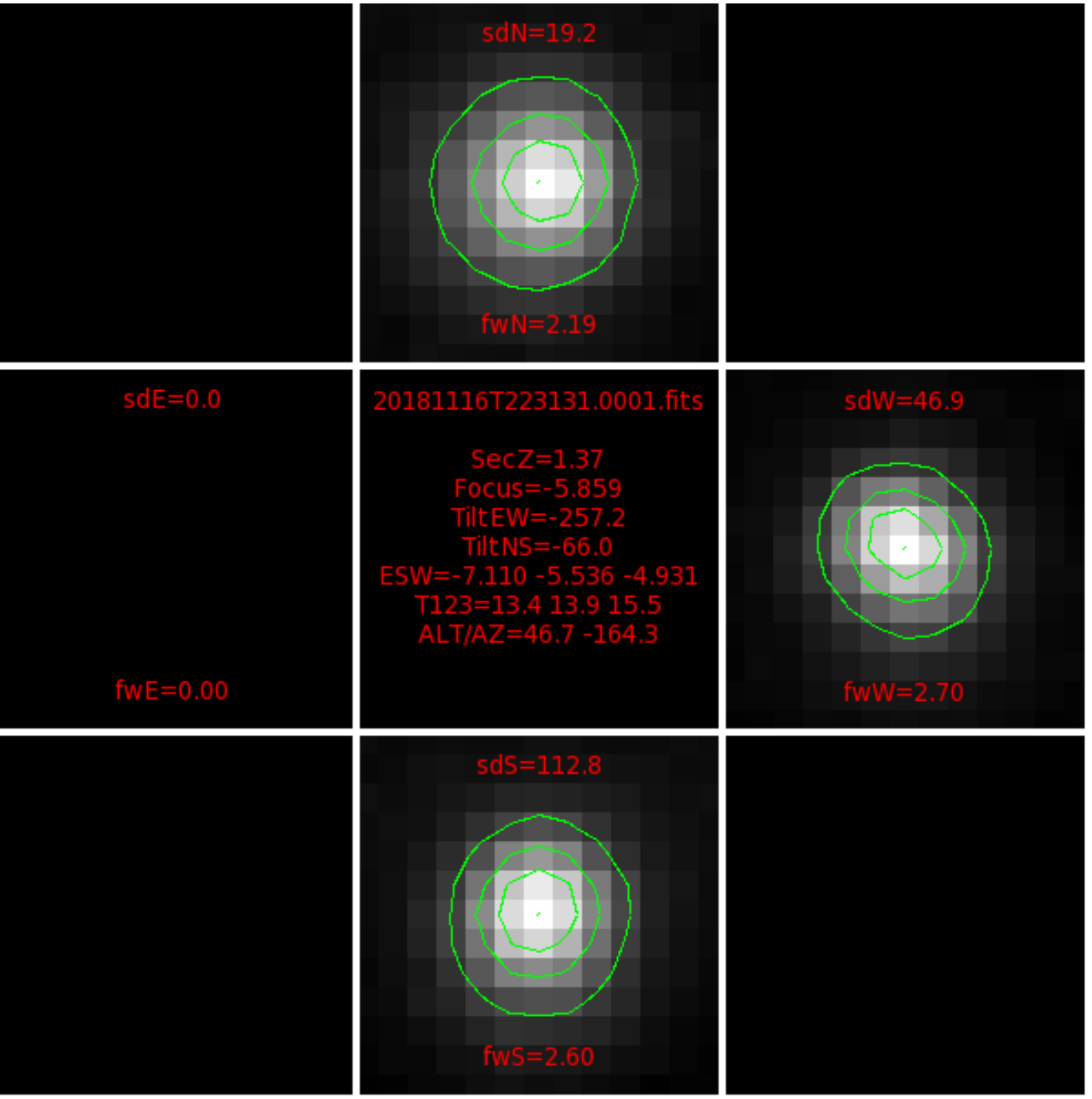

sdN=19.7
fwN=2.67
sdE=0.0
fwE=0.00
20181116T222441.0001.fits
SecZ=1.37
Focus=-5.859
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.110 -5.536 -4.931
T123=13.5 14.0 15.5
ALT/AZ=47.1 -166.7
sdW=19.8
fwW=2.81
sdS=27.2
fwS=2.70
0 0 0 0 0 0 0 0 0

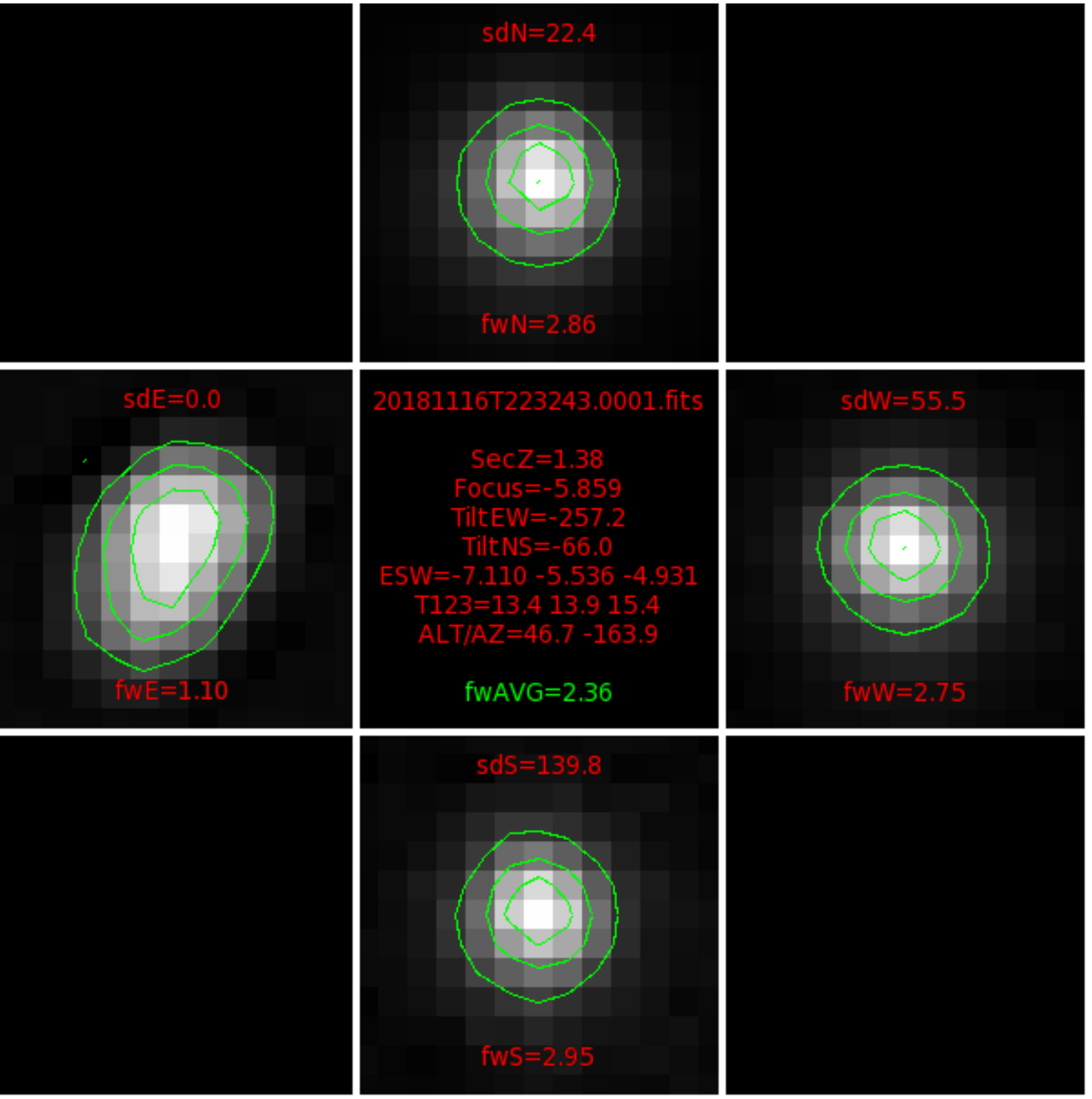

sdN=20.8
fwN=2.58
sdE=0.0
fwE=0.00
20181116T222607.0001.fits
SecZ=1.37
Focus=-5.859
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.110 -5.536 -4.931
T123=13.5 13.9 15.5
ALT/AZ=47.0 -166.2
sdW=22.0
fwW=4.55
sdS=41.9
fwS=2.36
0 0 0 0 0 0 0 0 0

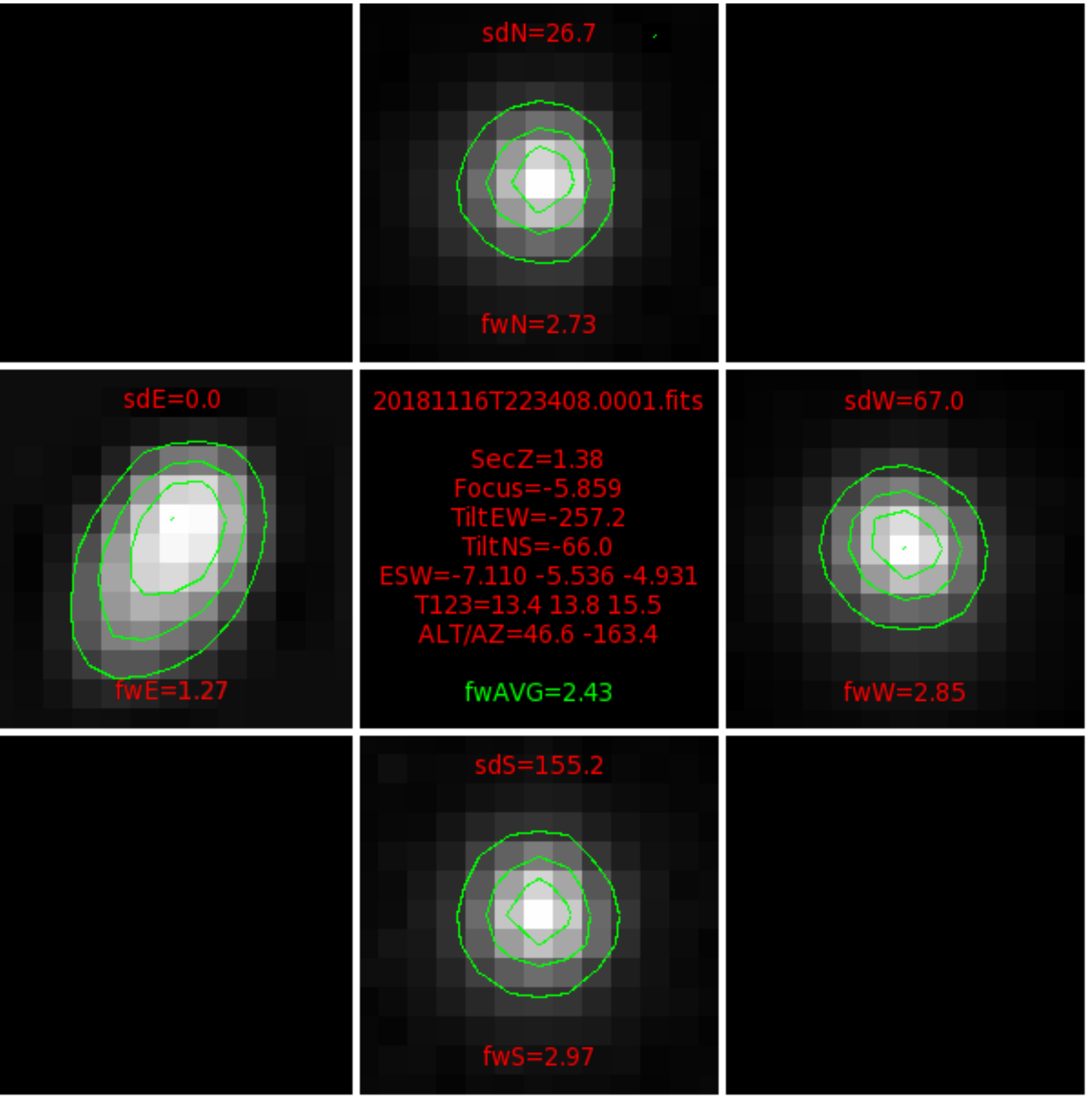

sdN=18.7
fwN=2.66
sdE=0.0
fwE=0.00
20181116T222732.0001.fits
SecZ=1.37
Focus=-5.859
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.110 -5.536 -4.931
T123=13.5 13.9 15.5
ALT/AZ=46.9 -165.7
sdW=42.0
fwW=2.66
sdS=103.5
fwS=2.72
0 0 0 0 0 0 0 0 0

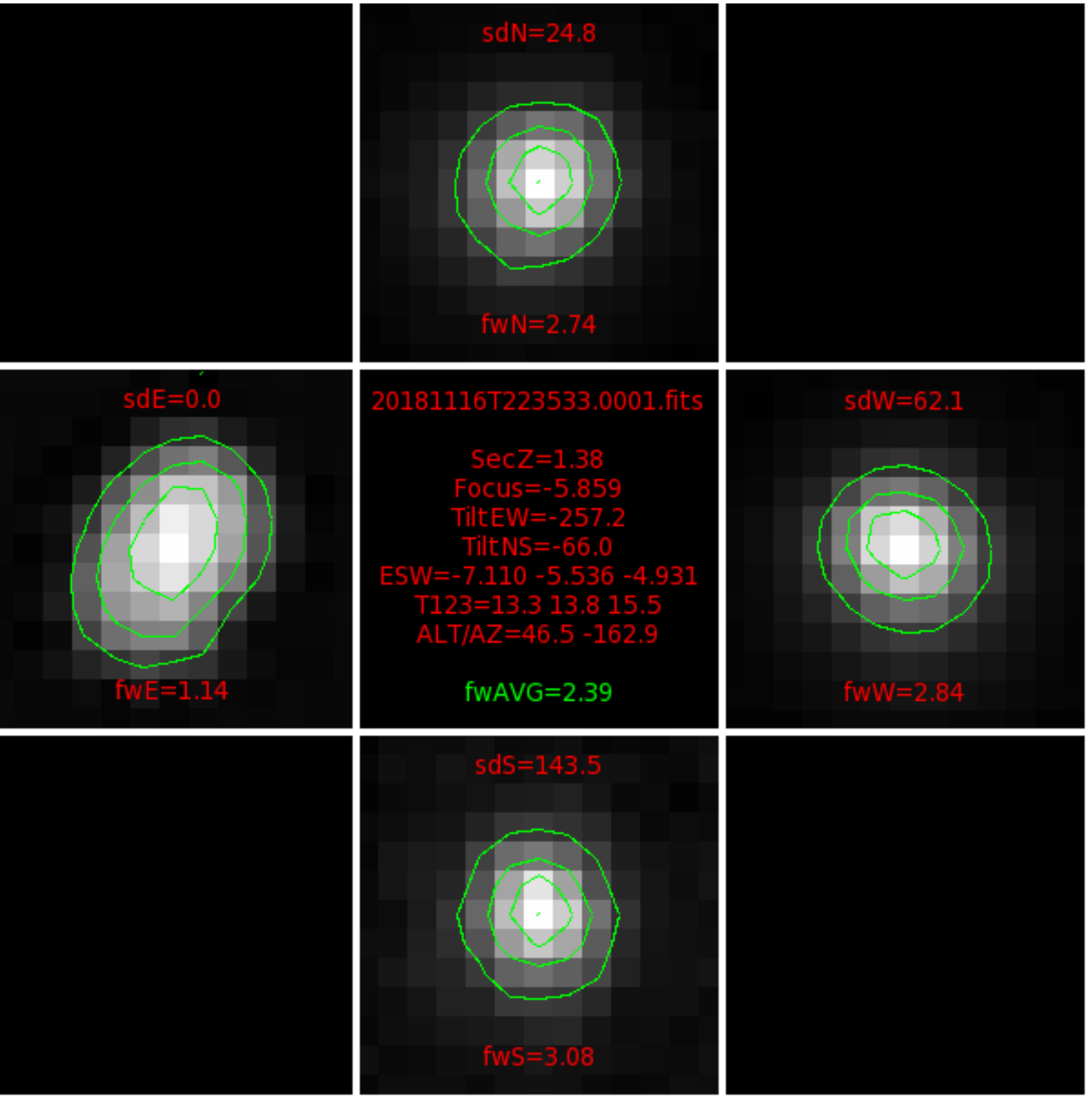

sdN=19.5
fwN=2.82
sdE=0.0
fwE=0.00
20181116T222856.0001.fits
SecZ=1.37
Focus=-5.859
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.110 -5.536 -4.931
T123=13.5 13.9 15.5
ALT/AZ=46.9 -165.2
sdW=51.9
fwW=2.77
sdS=100.0
fwS=2.91
0 0 0 0 0 0 0 0 0

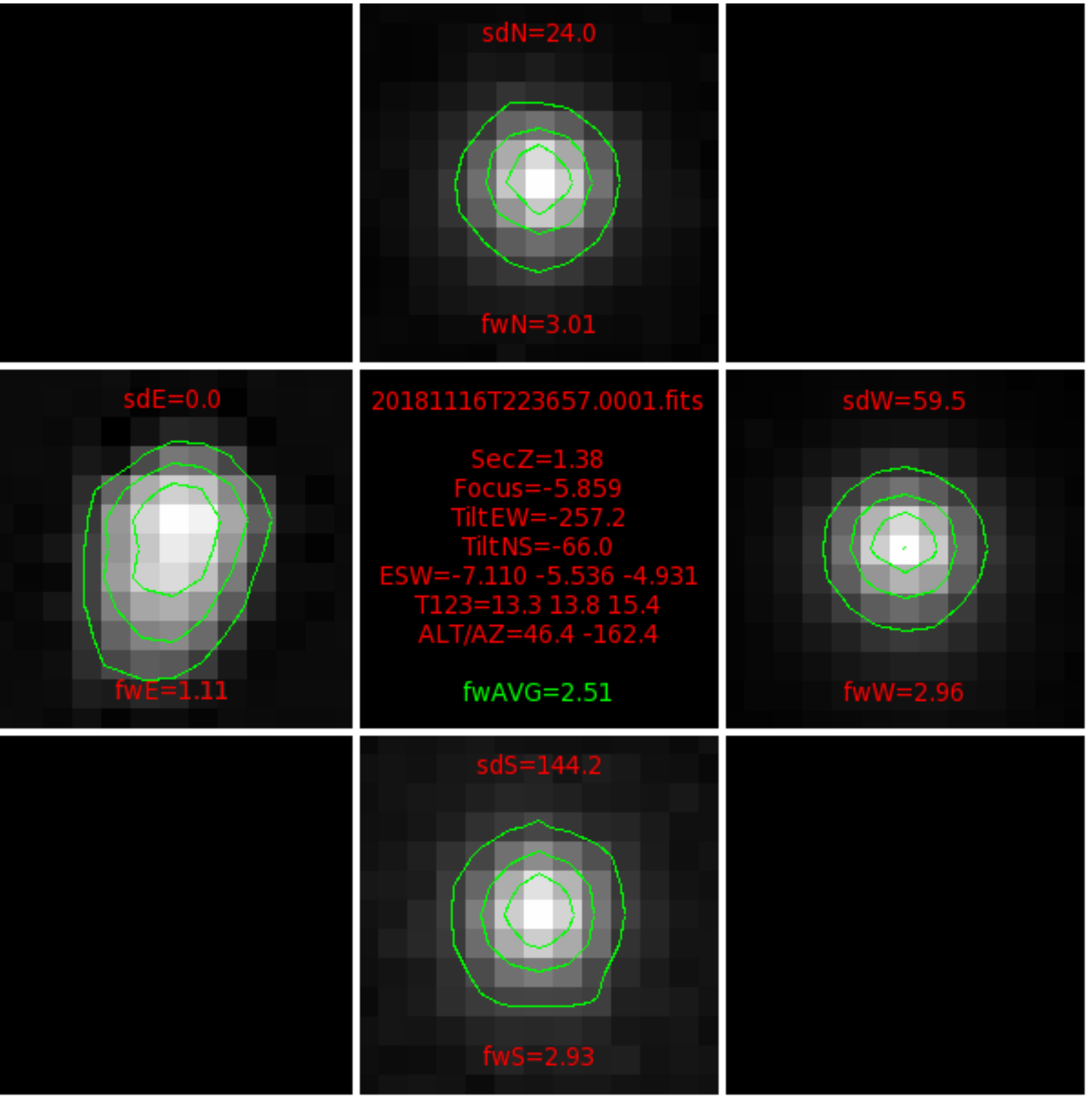

sdN=20.5
fwN=2.54
sdE=0.0
fwE=0.00
20181116T223008.0001.fits
SecZ=1.37
Focus=-5.859
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.110 -5.536 -4.931
T123=13.5 13.9 15.5
ALT/AZ=46.8 -164.8
sdW=37.6
fwW=2.93
sdS=93.9
fwS=3.08
0 0 0 0 0 0 0 0 0

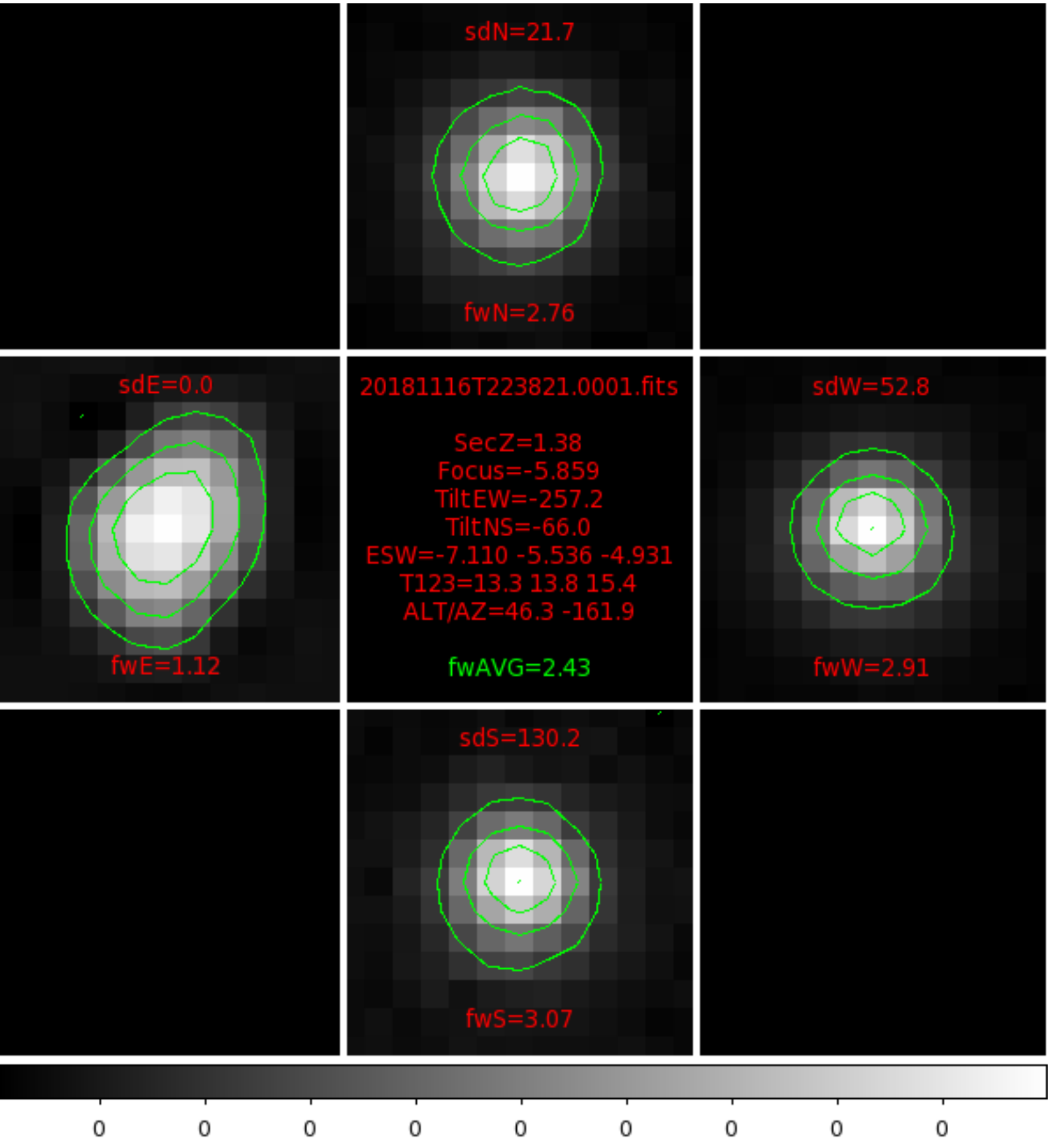

sdN=19.2
fwN=2.19
sdE=0.0
fwE=0.00
20181116T223131.0001.fits
SecZ=1.37
Focus=-5.859
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.110 -5.536 -4.931
T123=13.4 13.9 15.5
ALT/AZ=46.7 -164.3
sdW=46.9
fwW=2.70
sdS=112.8
fwS=2.60
0 0 0 0 0 0 0 0 0

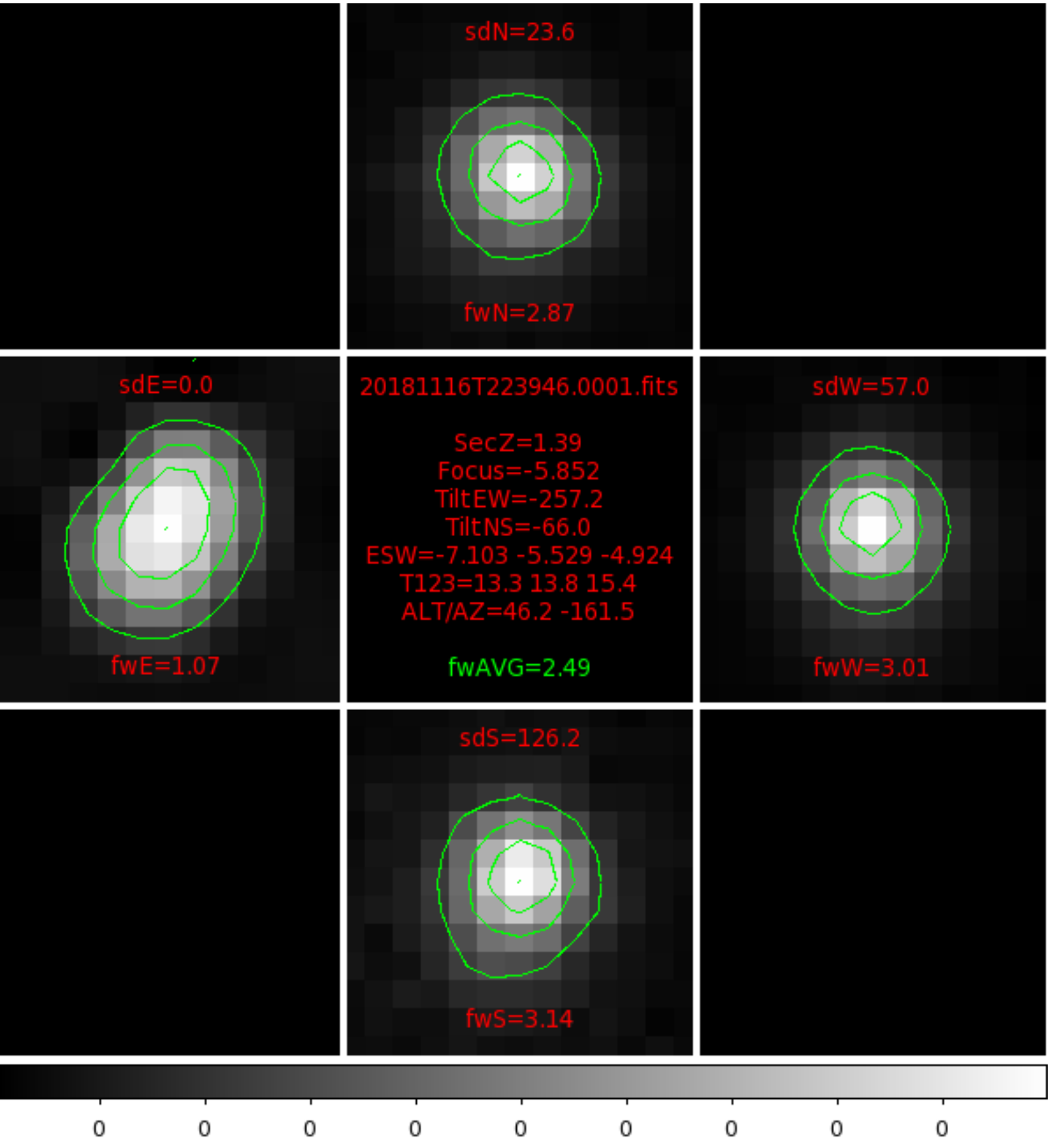

sdN=22.4
fwN=2.86
sdE=0.0
fwE=1.10
20181116T223243.0001.fits
SecZ=1.38
Focus=-5.859
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.110 -5.536 -4.931
T123=13.4 13.9 15.4
ALT/AZ=46.7 -163.9
fwAVG=2.36
sdW=55.5
fwW=2.75
sdS=139.8
fwS=2.95
0 0 0 0 0 0 0 0 0

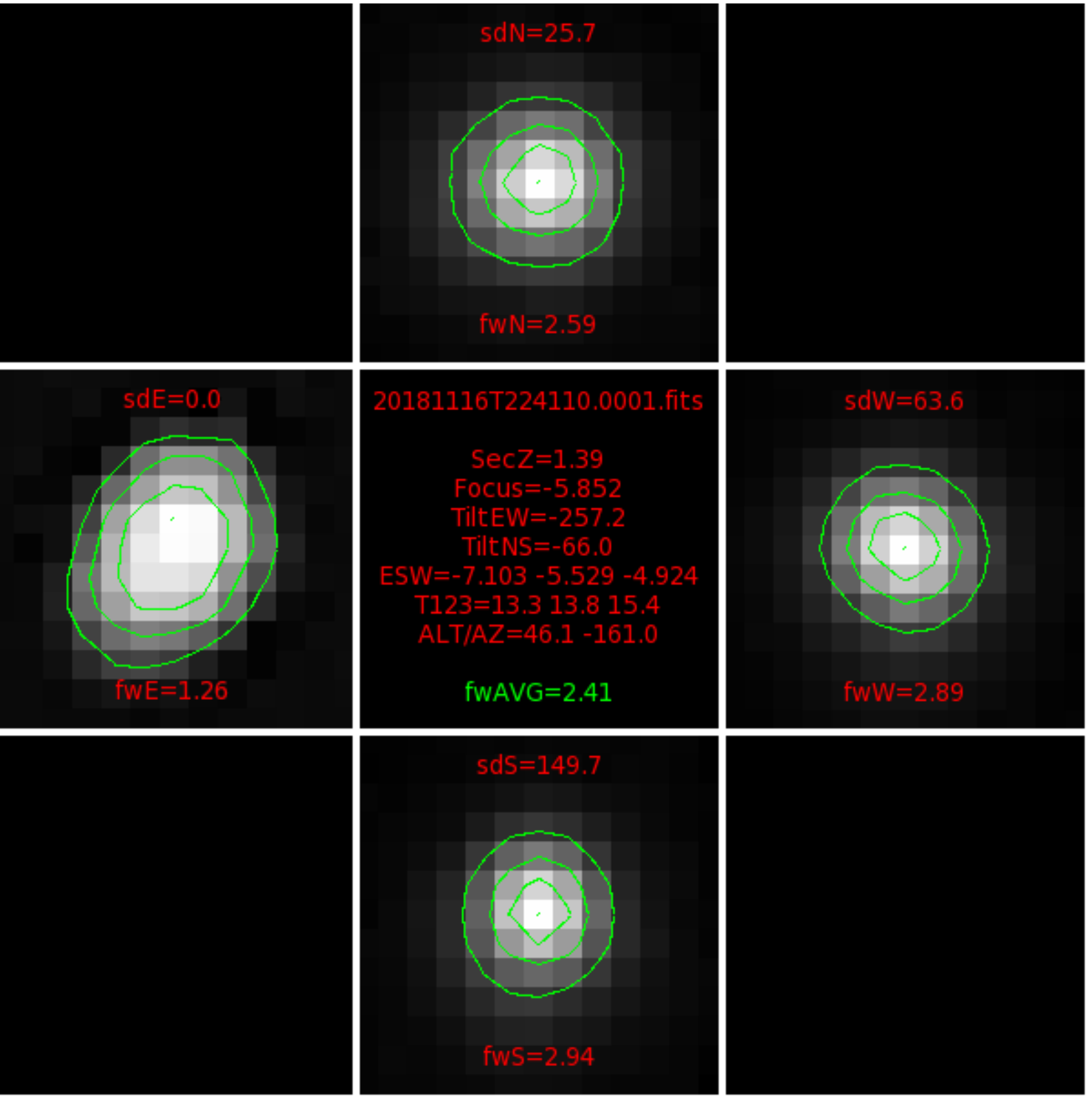

sdN=26.7
fwN=2.73
sdE=0.0
fwE=1.27
20181116T223408.0001.fits
SecZ=1.38
Focus=-5.859
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.110 -5.536 -4.931
T123=13.4 13.8 15.5
ALT/AZ=46.6 -163.4
fwAVG=2.43
sdW=67.0
fwW=2.85
sdS=155.2
fwS=2.97
0 0 0 0 0 0 0 0 0

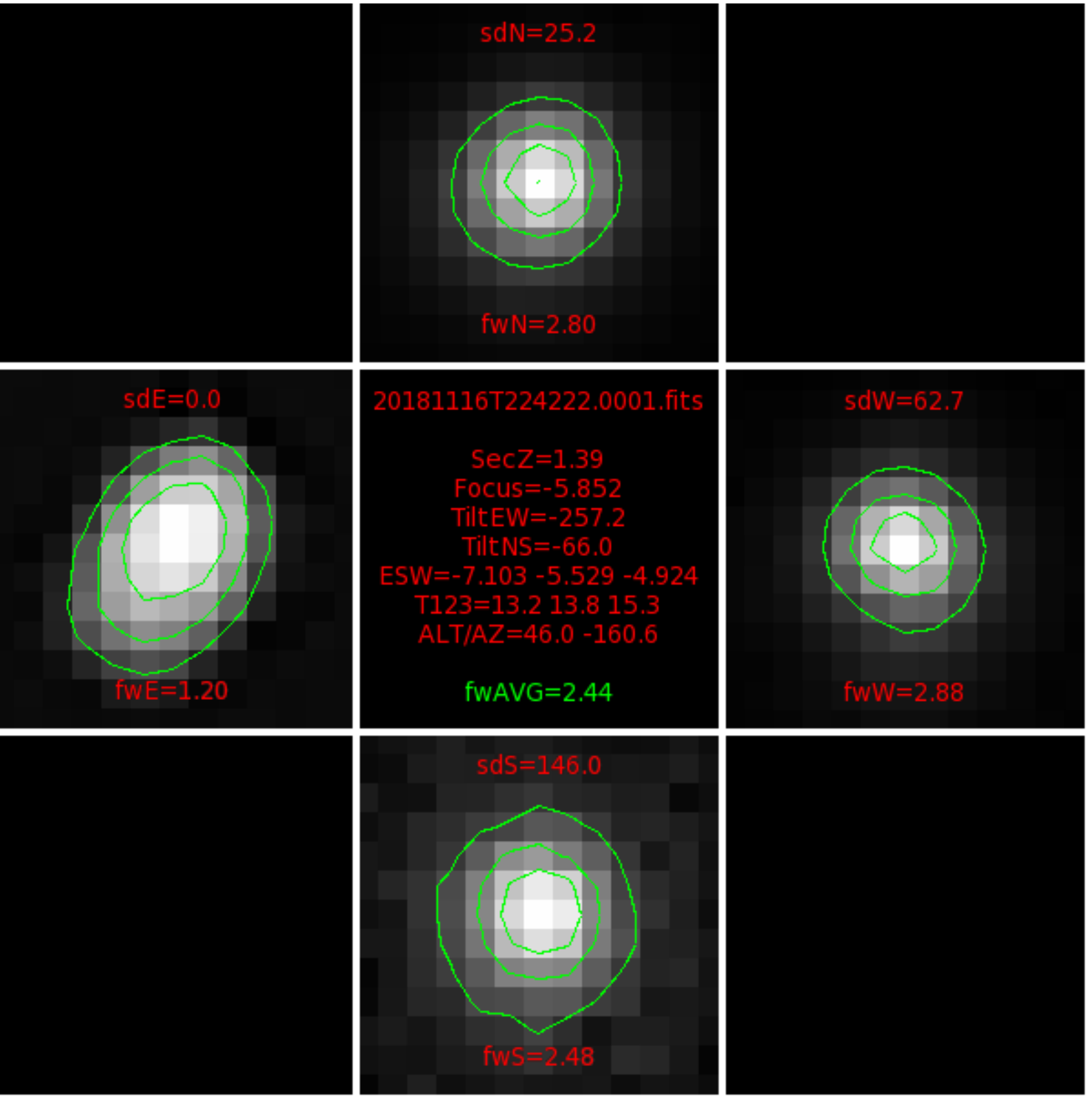

sdN=24.8
fwN=2.74
sdE=0.0
fwE=1.14
20181116T223533.0001.fits
SecZ=1.38
Focus=-5.859
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.110 -5.536 -4.931
T123=13.3 13.8 15.5
ALT/AZ=46.5 -162.9
fwAVG=2.39
sdW=62.1
fwW=2.84
sdS=143.5
fwS=3.08
0 0 0 0 0 0 0 0 0

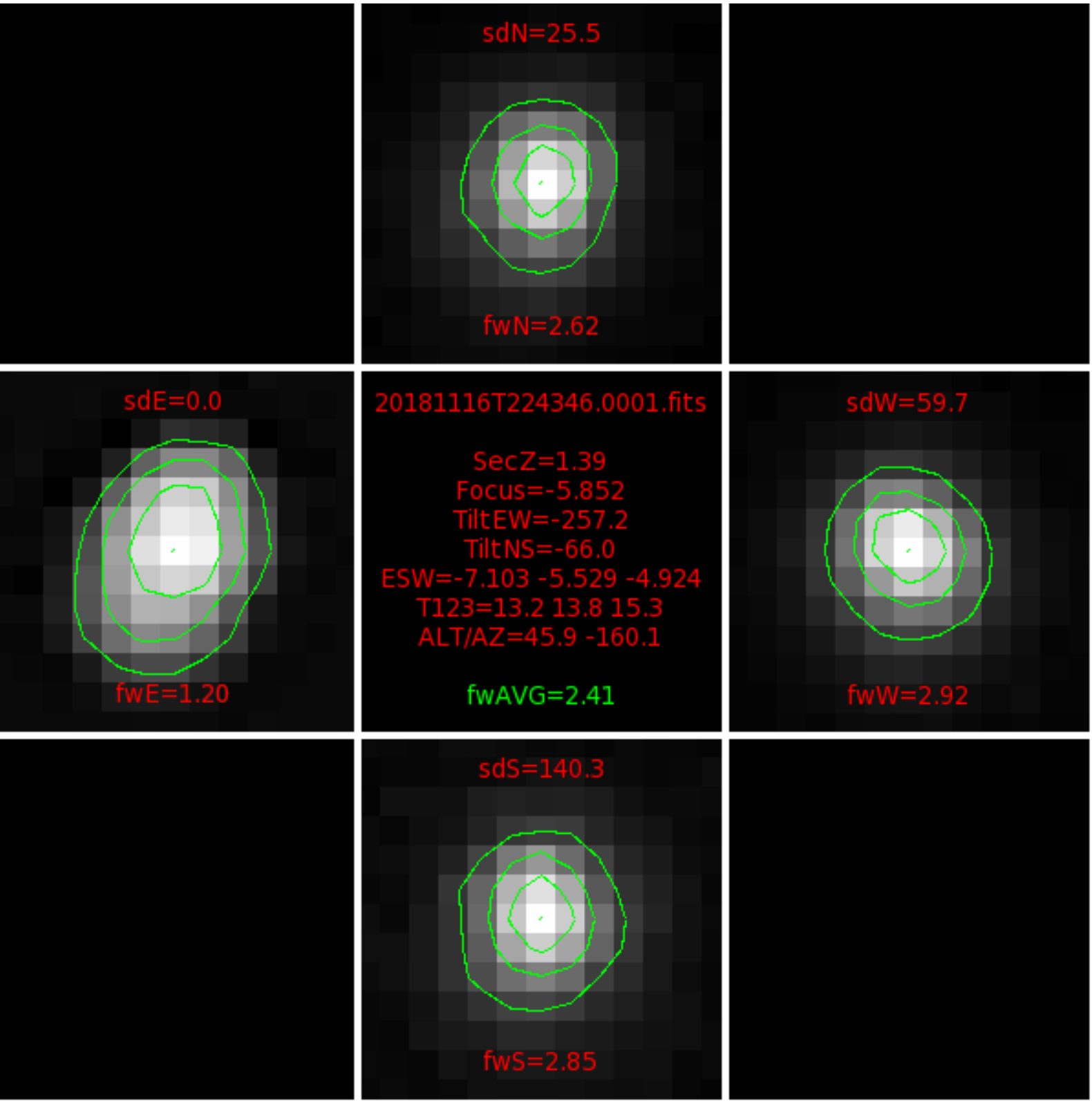

sdN=24.0
fwN=3.01
sdE=0.0
fwE=1.11
20181116T223657.0001.fits
SecZ=1.38
Focus=-5.859
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.110 -5.536 -4.931
T123=13.3 13.8 15.4
ALT/AZ=46.4 -162.4
fwAVG=2.51
sdW=59.5
fwW=2.96
sdS=144.2
fwS=2.93
0 0 0 0 0 0 0 0 0

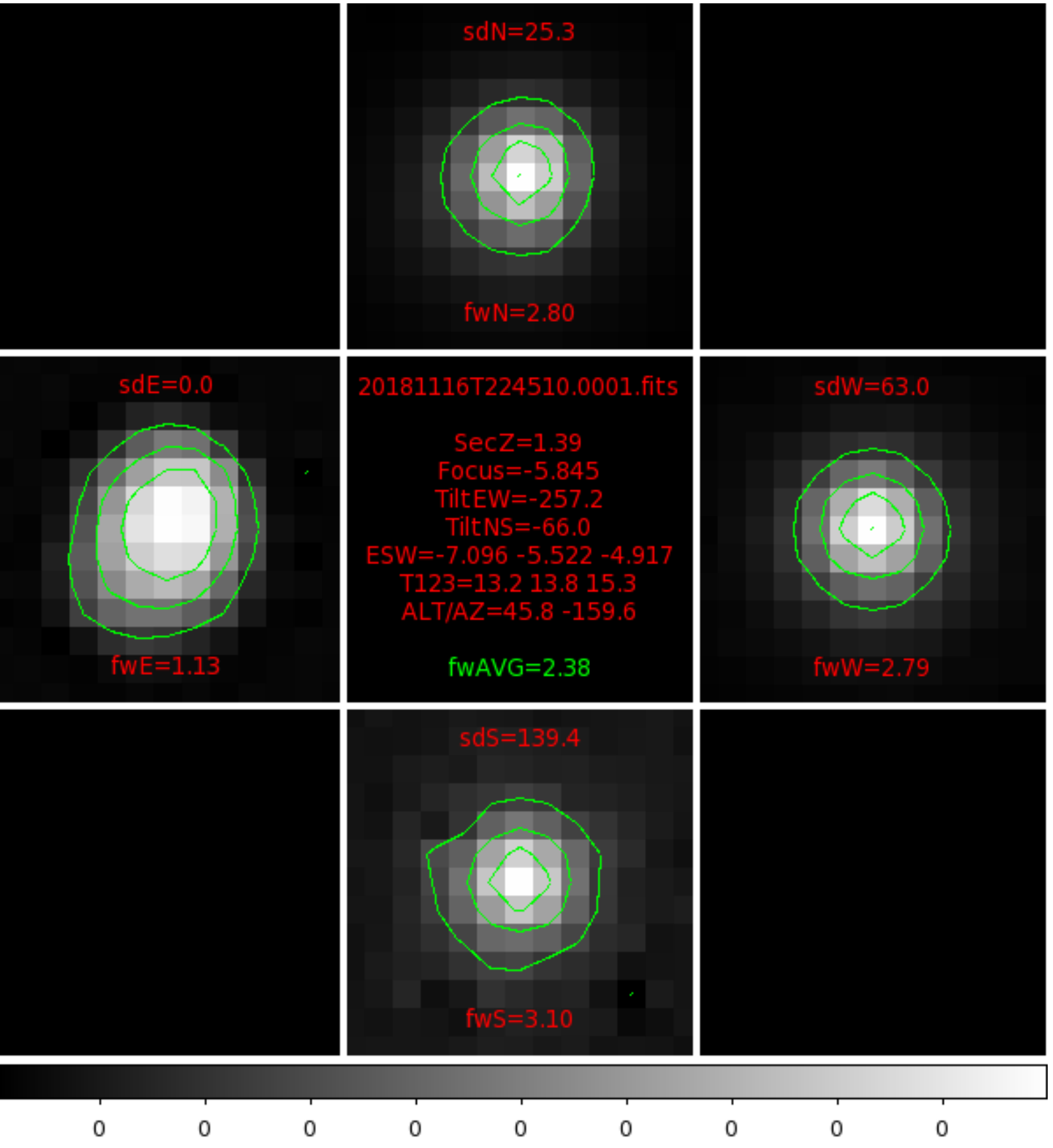

sdN=21.7
fwN=2.76
sdE=0.0
fwE=1.12
20181116T223821.0001.fits
SecZ=1.38
Focus=-5.859
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.110 -5.536 -4.931
T123=13.3 13.8 15.4
ALT/AZ=46.3 -161.9
fwAVG=2.43
sdW=52.8
fwW=2.91
sdS=130.2
fwS=3.07
0 0 0 0 0 0 0 0 0

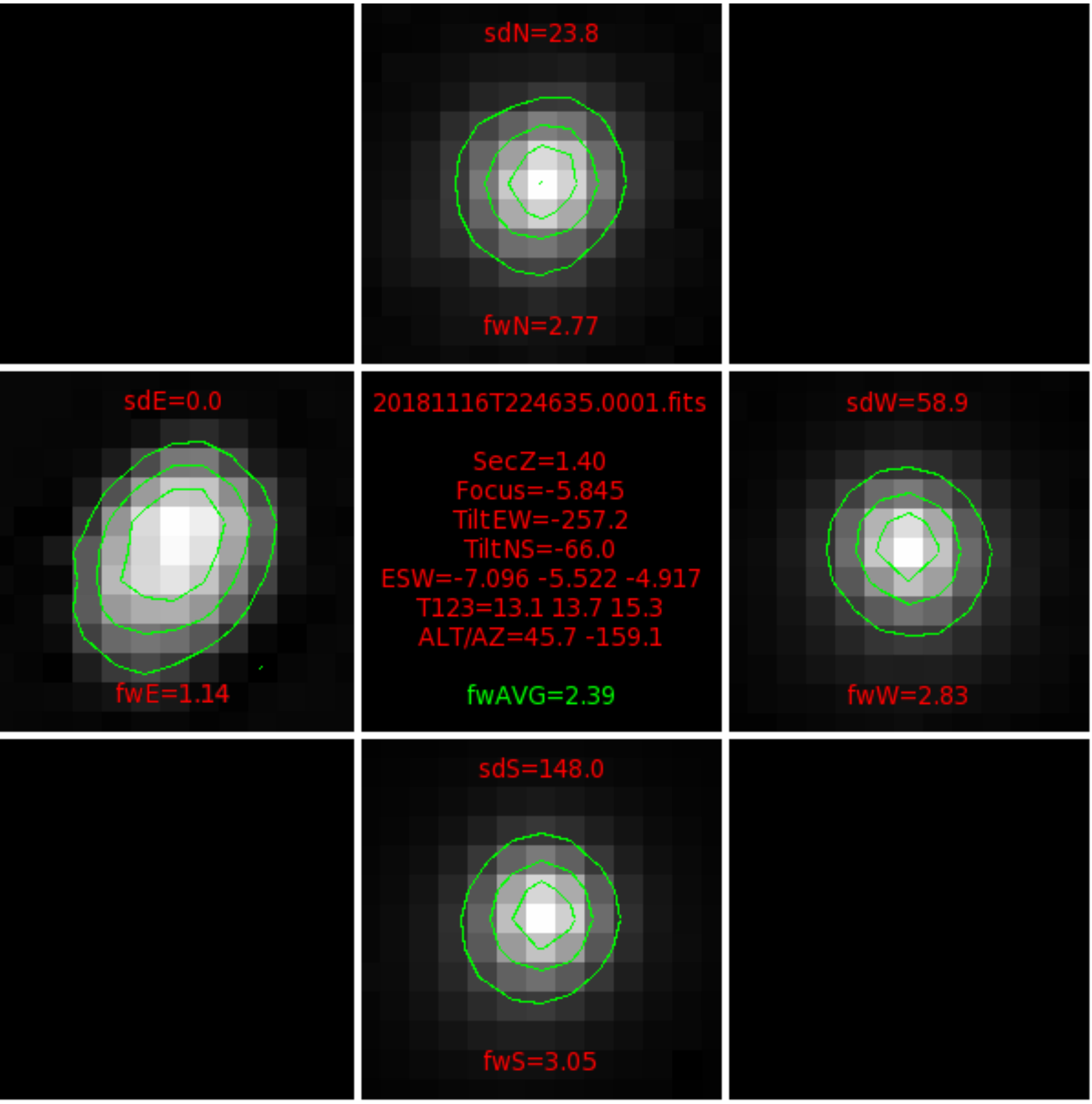

sdN=23.6
fwN=2.87
sdE=0.0
fwE=1.07
20181116T223946.0001.fits
SecZ=1.39
Focus=-5.852
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.103 -5.529 -4.924
T123=13.3 13.8 15.4
ALT/AZ=46.2 -161.5
fwAVG=2.49
sdW=57.0
fwW=3.01
sdS=126.2
fwS=3.14
0 0 0 0 0 0 0 0 0

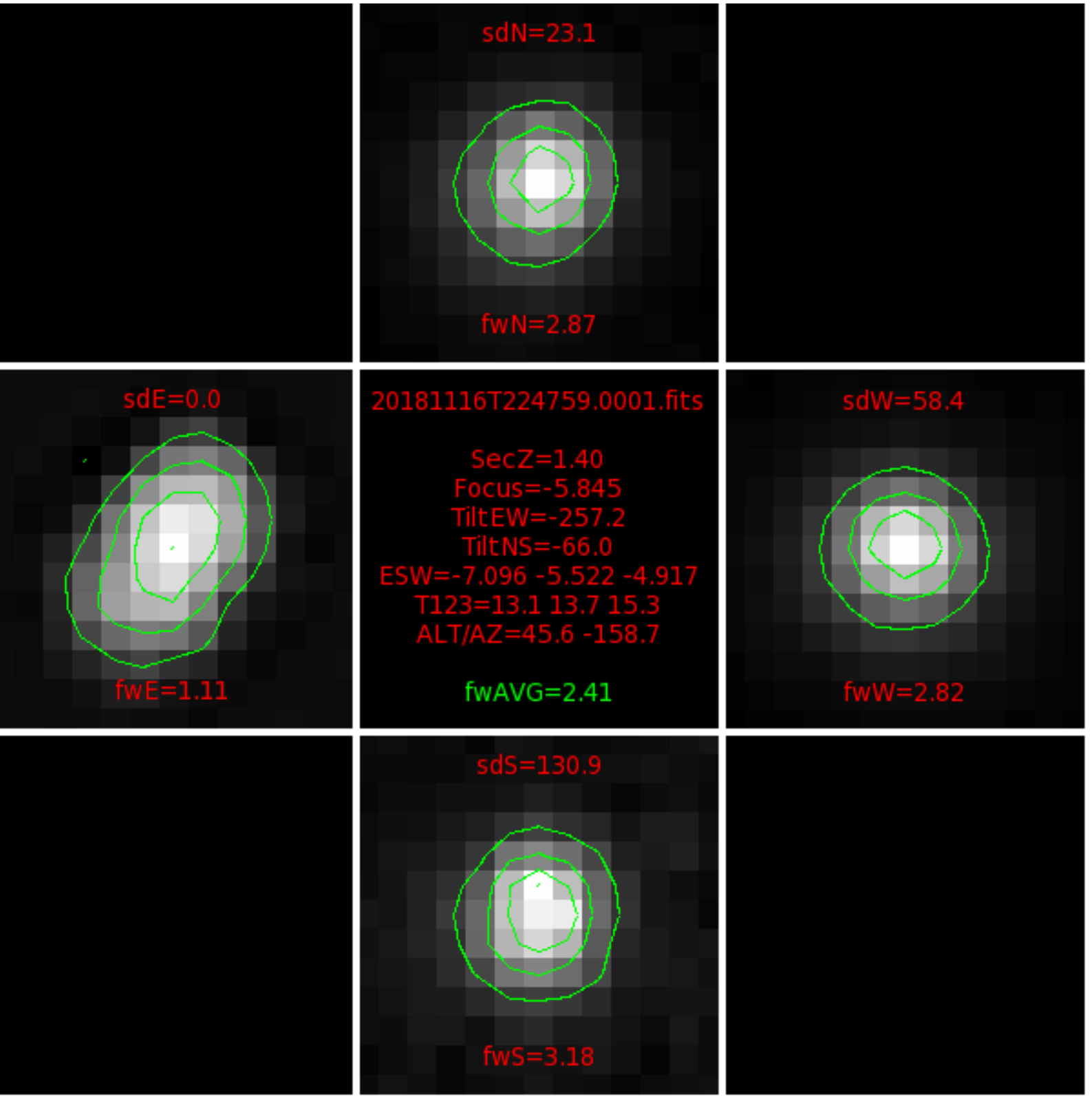

sdN=25.7
fwN=2.59
sdE=0.0
fwE=1.26
20181116T224110.0001.fits
SecZ=1.39
Focus=-5.852
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.103 -5.529 -4.924
T123=13.3 13.8 15.4
ALT/AZ=46.1 -161.0
fwAVG=2.41
sdW=63.6
fwW=2.89
sdS=149.7
fwS=2.94
0 0 0 0 0 0 0 0 0

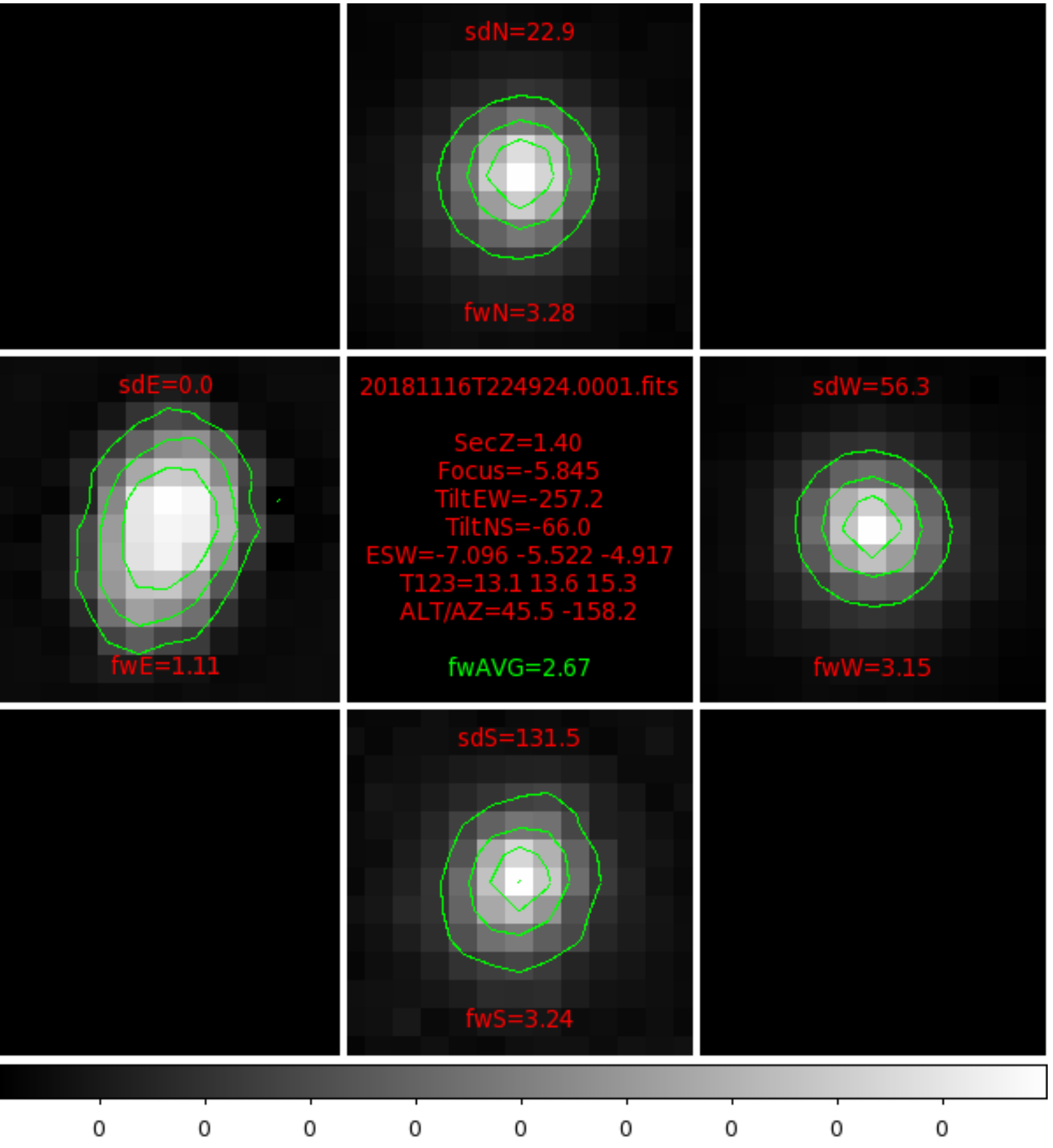

sdN=25.2
fwN=2.80
sdE=0.0
fwE=1.20
20181116T224222.0001.fits
SecZ=1.39
Focus=-5.852
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.103 -5.529 -4.924
T123=13.2 13.8 15.3
ALT/AZ=46.0 -160.6
fwAVG=2.44
sdW=62.7
fwW=2.88
sdS=146.0
fwS=2.48
0 0 0 0 0 0 0 0 0

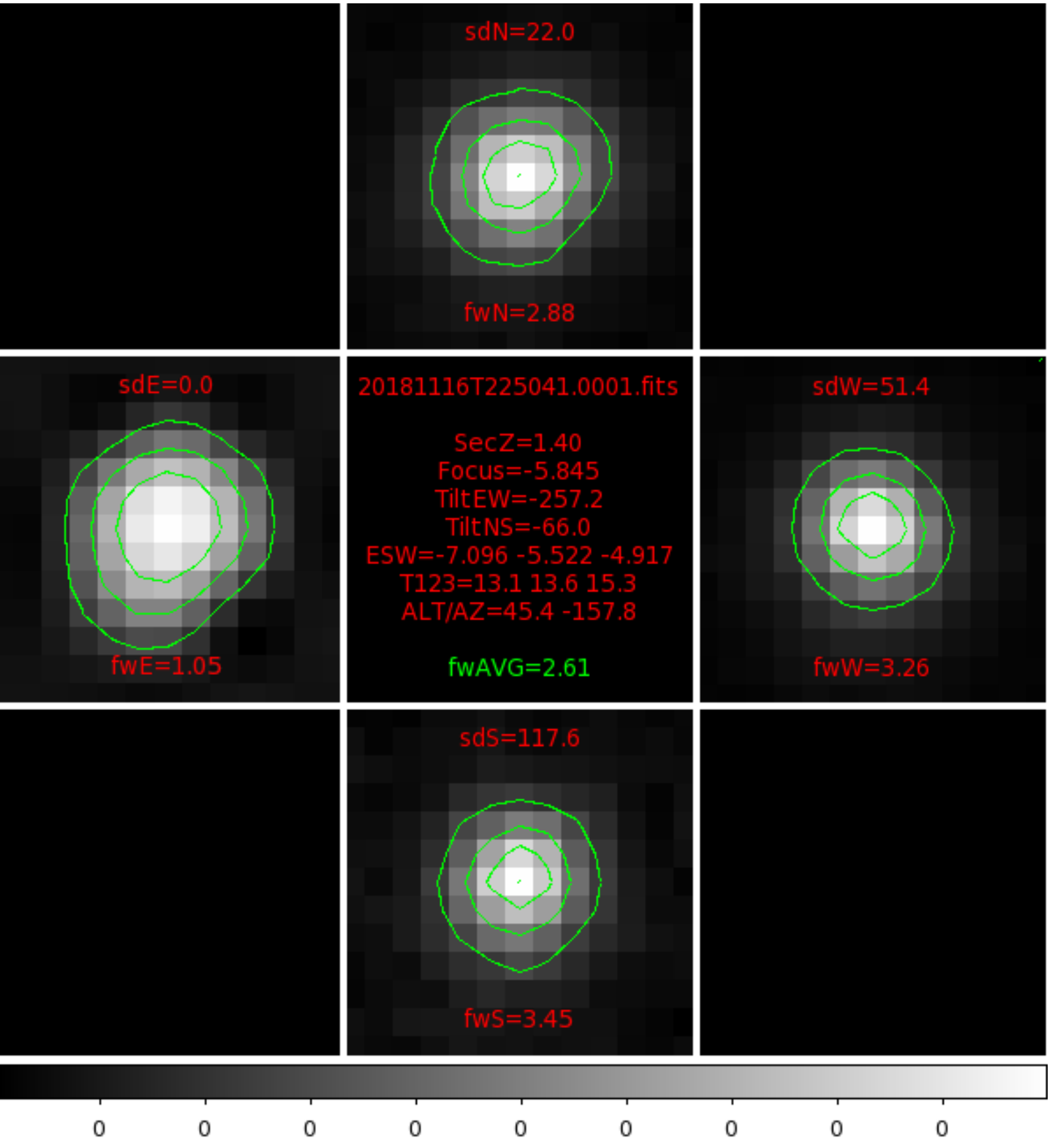

sdN=25.5
fwN=2.62
sdE=0.0
fwE=1.20
20181116T224346.0001.fits
SecZ=1.39
Focus=-5.852
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.103 -5.529 -4.924
T123=13.2 13.8 15.3
ALT/AZ=45.9 -160.1
fwAVG=2.41
sdW=59.7
fwW=2.92
sdS=140.3
fwS=2.85
0 0 0 0 0 0 0 0 0

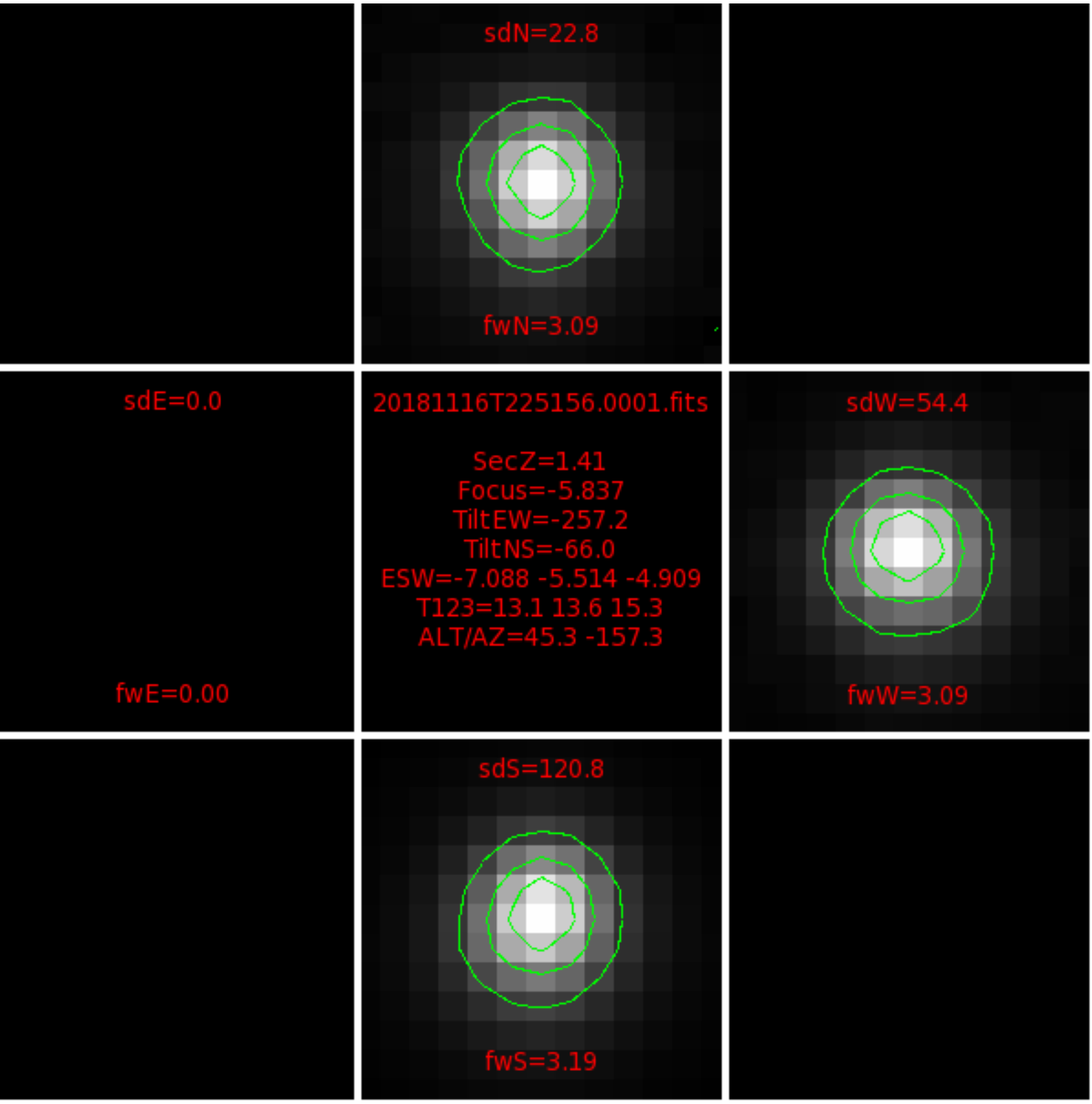

sdN=25.3
fwN=2.80
sdE=0.0
fwE=1.13
20181116T224510.0001.fits
SecZ=1.39
Focus=-5.845
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.096 -5.522 -4.917
T123=13.2 13.8 15.3
ALT/AZ=45.8 -159.6
fwAVG=2.38
sdW=63.0
fwW=2.79
sdS=139.4
fwS=3.10
0 0 0 0 0 0 0 0 0

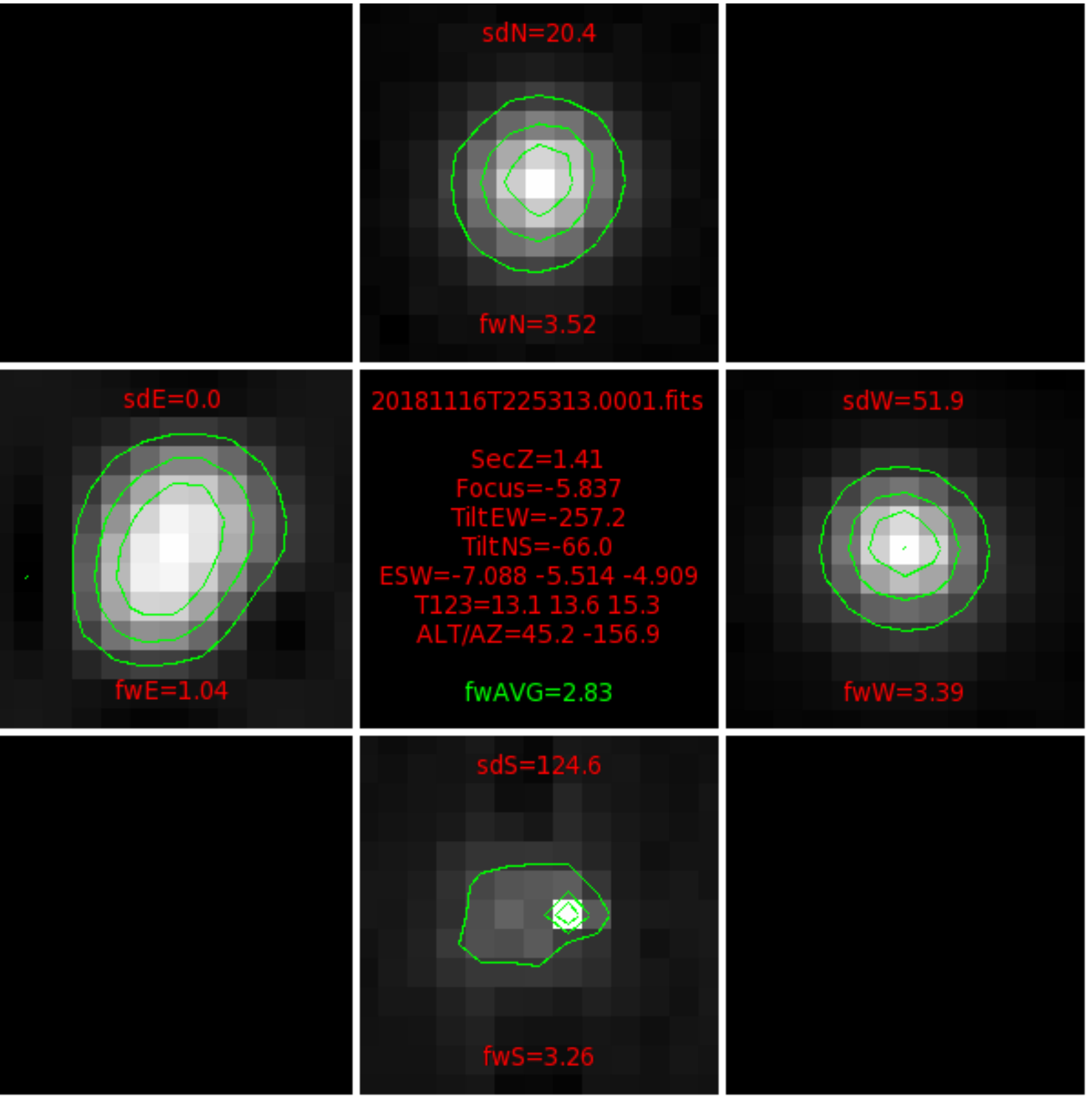

sdN=23.8
fwN=2.77
sdE=0.0
fwE=1.14
20181116T224635.0001.fits
SecZ=1.40
Focus=-5.845
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.096 -5.522 -4.917
T123=13.1 13.7 15.3
ALT/AZ=45.7 -159.1
fwAVG=2.39
sdW=58.9
fwW=2.83
sdS=148.0
fwS=3.05
0 0 0 0 0 0 0 0 0

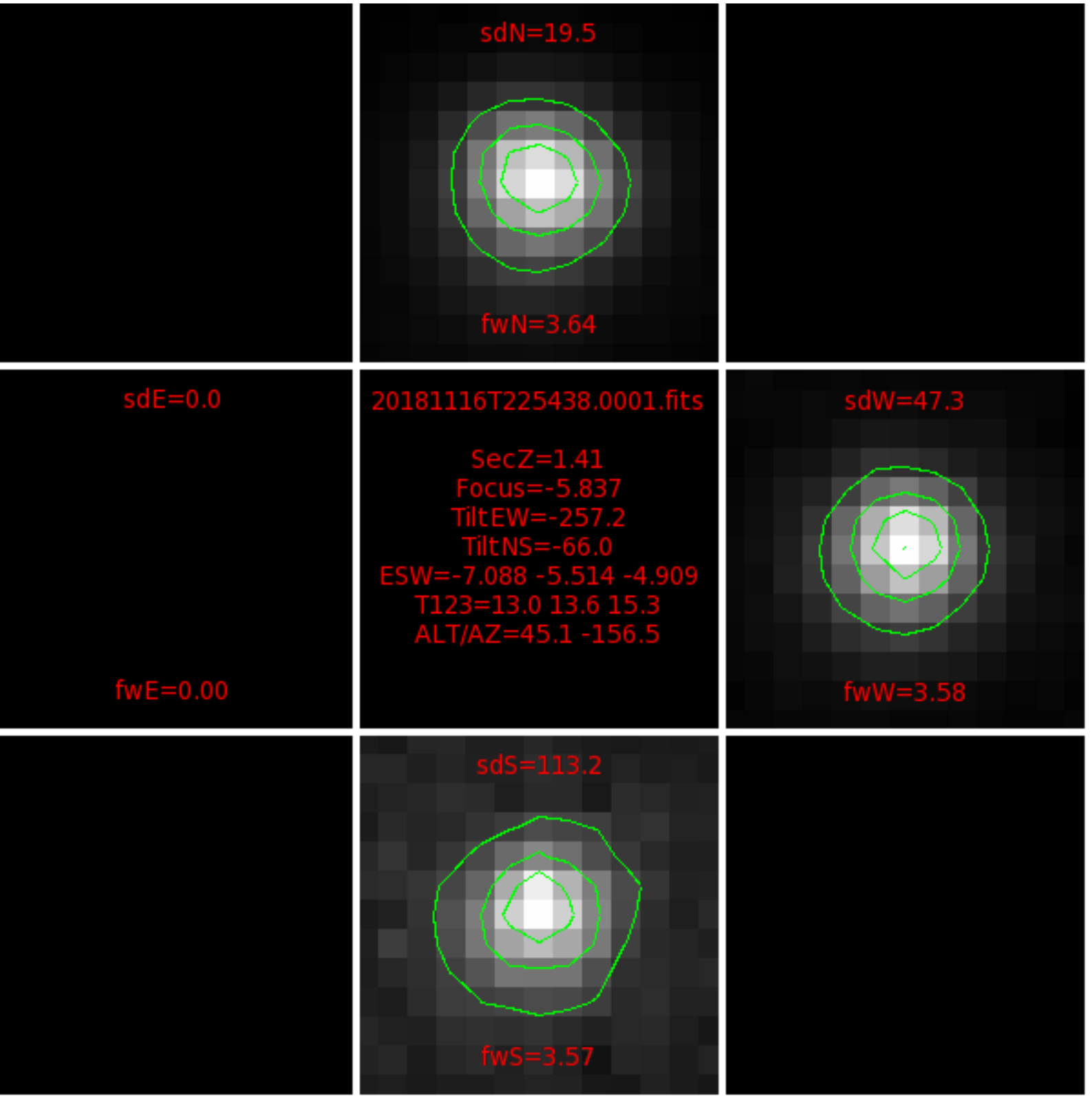

sdN=23.1
fwN=2.87
sdE=0.0
fwE=1.11
20181116T224759.0001.fits
SecZ=1.40
Focus=-5.845
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.096 -5.522 -4.917
T123=13.1 13.7 15.3
ALT/AZ=45.6 -158.7
fwAVG=2.41
sdW=58.4
fwW=2.82
sdS=130.9
fwS=3.18
0 0 0 0 0 0 0 0 0

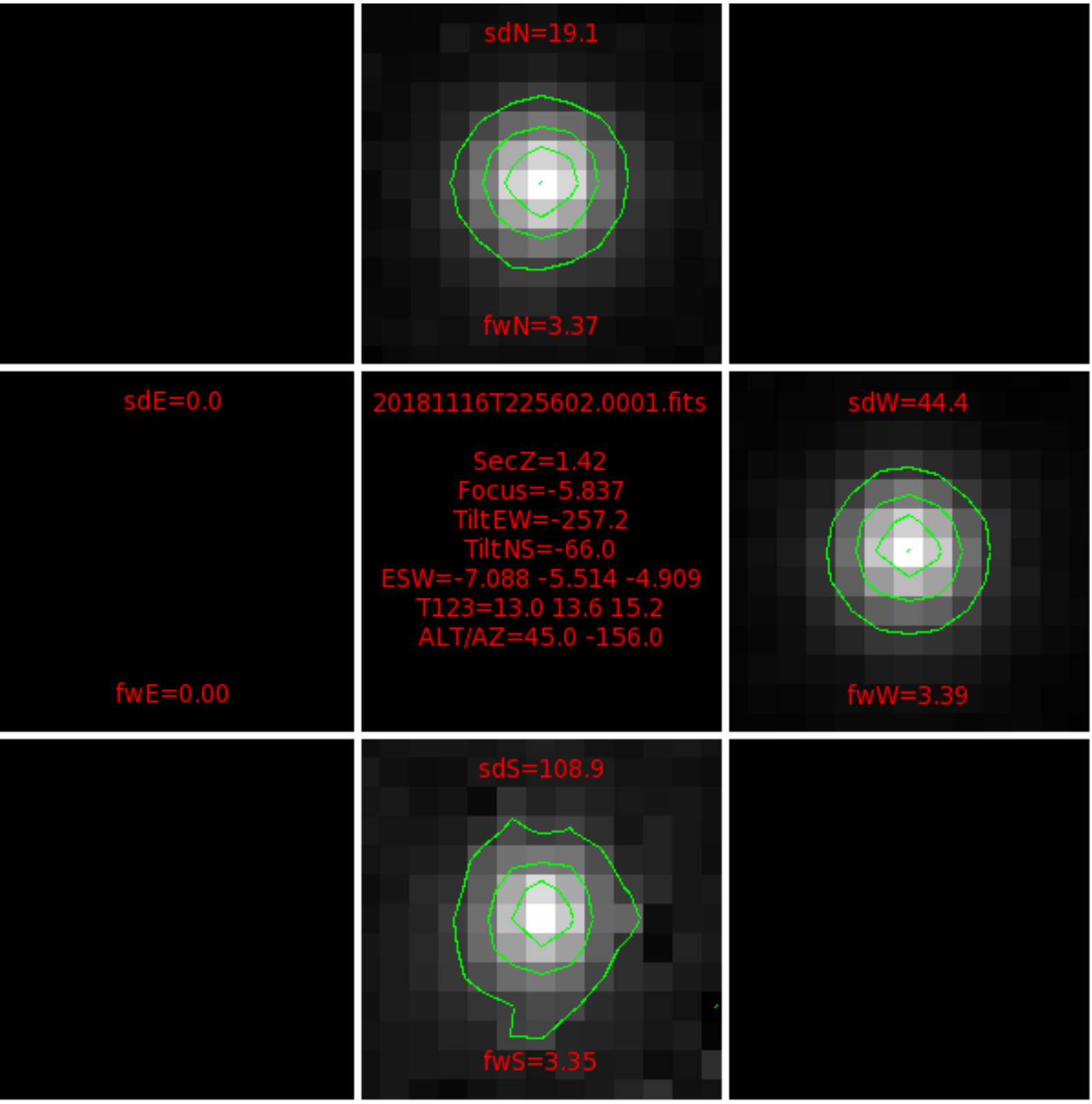

sdN=22.9
fwN=3.28
sdE=0.0
fwE=1.11
20181116T224924.0001.fits
SecZ=1.40
Focus=-5.845
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.096 -5.522 -4.917
T123=13.1 13.6 15.3
ALT/AZ=45.5 -158.2
fwAVG=2.67
sdW=56.3
fwW=3.15
sdS=131.5
fwS=3.24
0 0 0 0 0 0 0 0 0

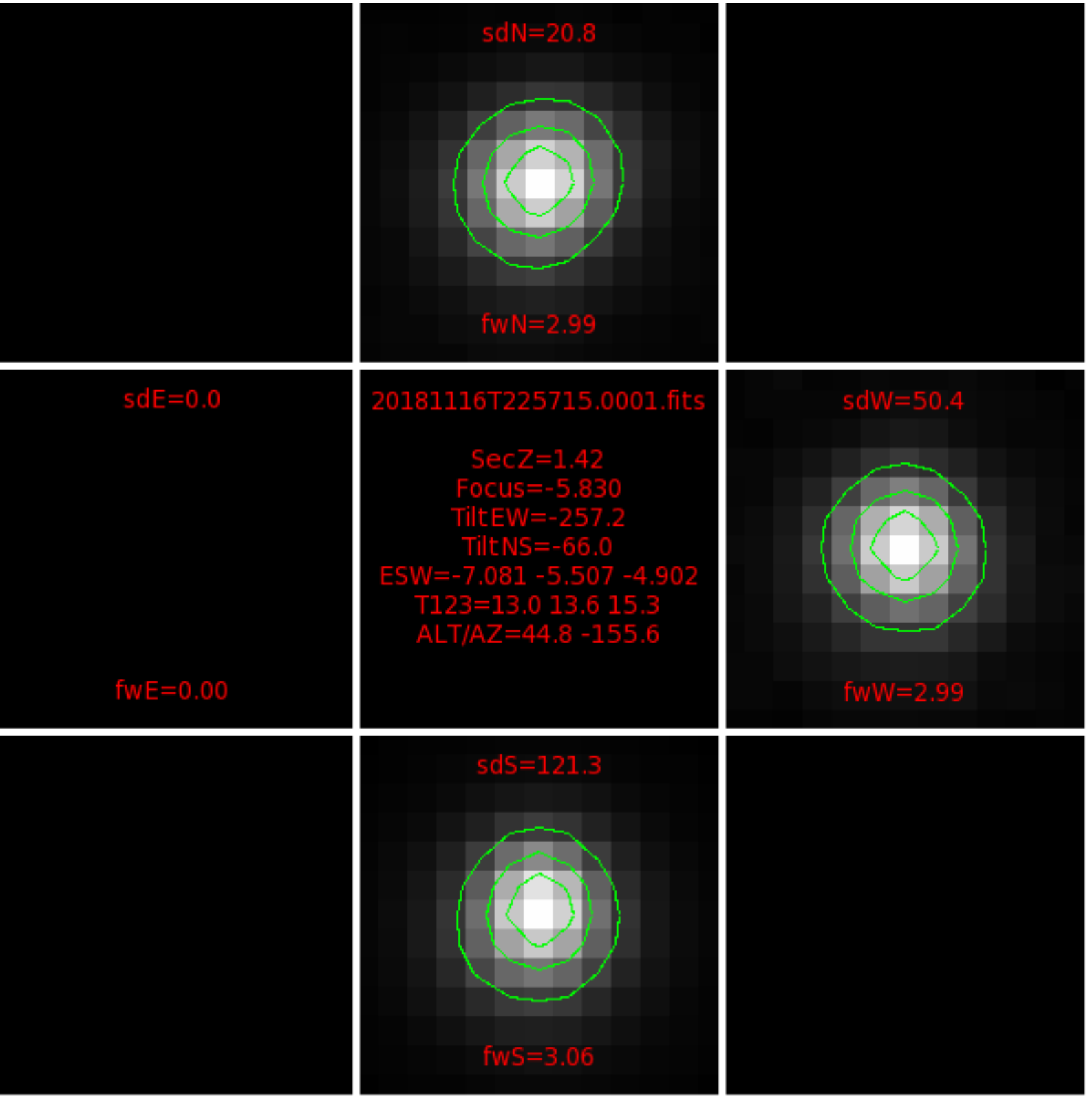

sdN=22.0
fwN=2.88
sdE=0.0
fwE=1.05
20181116T225041.0001.fits
SecZ=1.40
Focus=-5.845
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.096 -5.522 -4.917
T123=13.1 13.6 15.3
ALT/AZ=45.4 -157.8
fwAVG=2.61
sdW=51.4
fwW=3.26
sdS=117.6
fwS=3.45
0 0 0 0 0 0 0 0 0

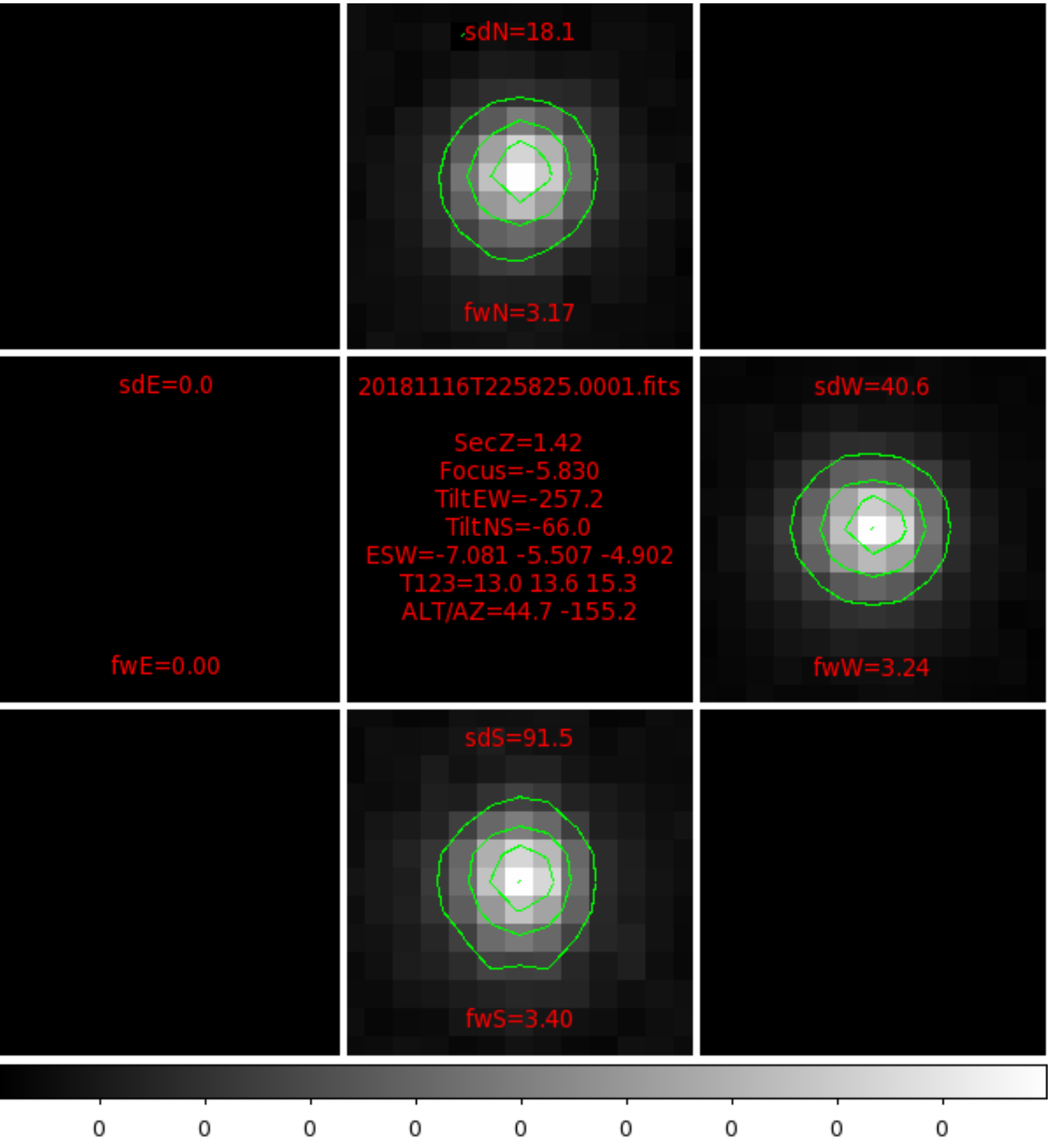

sdN=22.8
fwN=3.09
sdE=0.0
fwE=0.00
20181116T225156.0001.fits
SecZ=1.41
Focus=-5.837
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.088 -5.514 -4.909
T123=13.1 13.6 15.3
ALT/AZ=45.3 -157.3
sdW=54.4
fwW=3.09
sdS=120.8
fwS=3.19
0 0 0 0 0 0 0 0 0

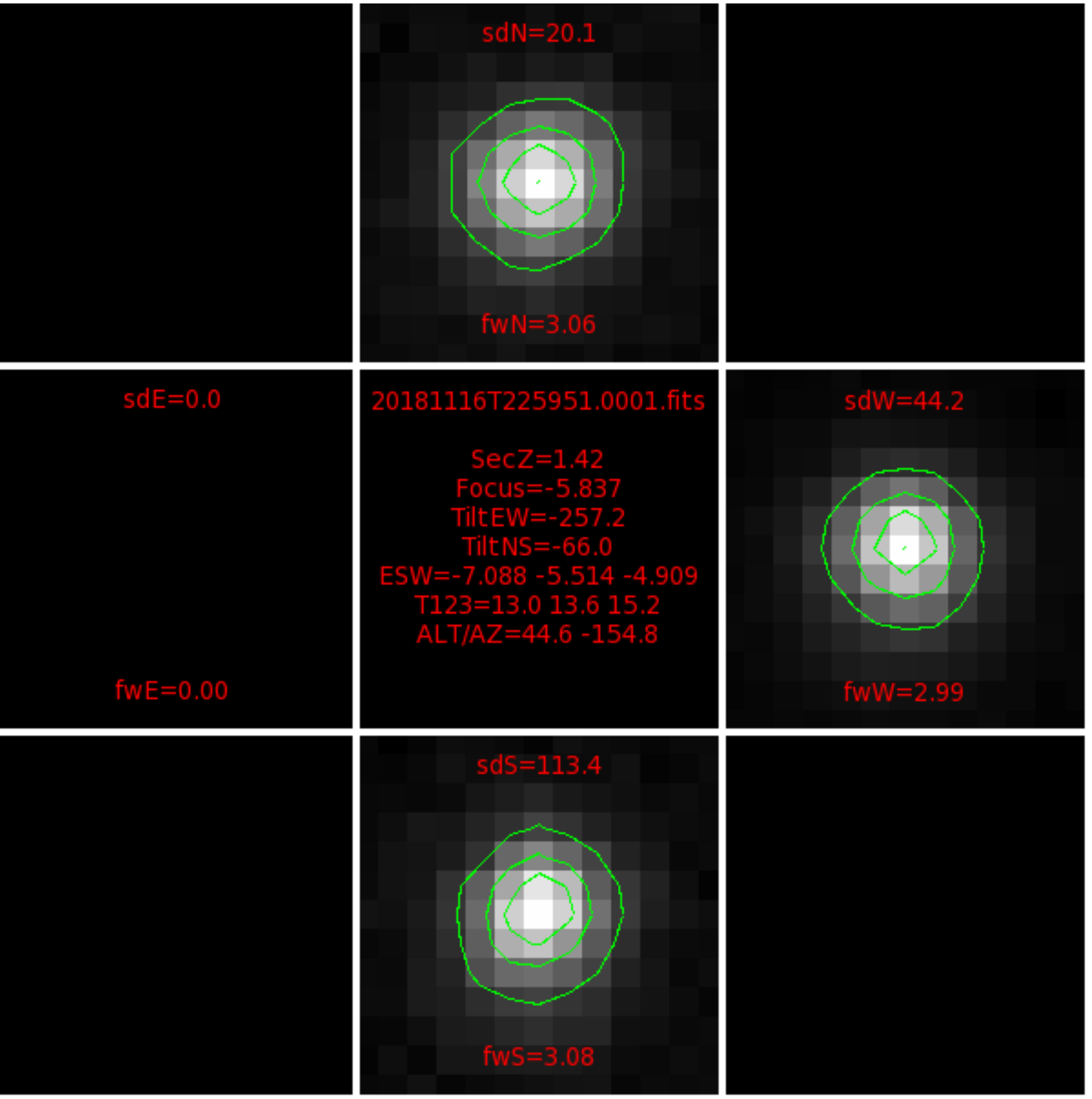

sdN=20.4
fwN=3.52
sdE=0.0
fwE=1.04
20181116T225313.0001.fits
SecZ=1.41
Focus=-5.837
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.088 -5.514 -4.909
T123=13.1 13.6 15.3
ALT/AZ=45.2 -156.9
fwAVG=2.83
sdW=51.9
fwW=3.39
sdS=124.6
fwS=3.26
0 0 0 0 0 0 0 0 0

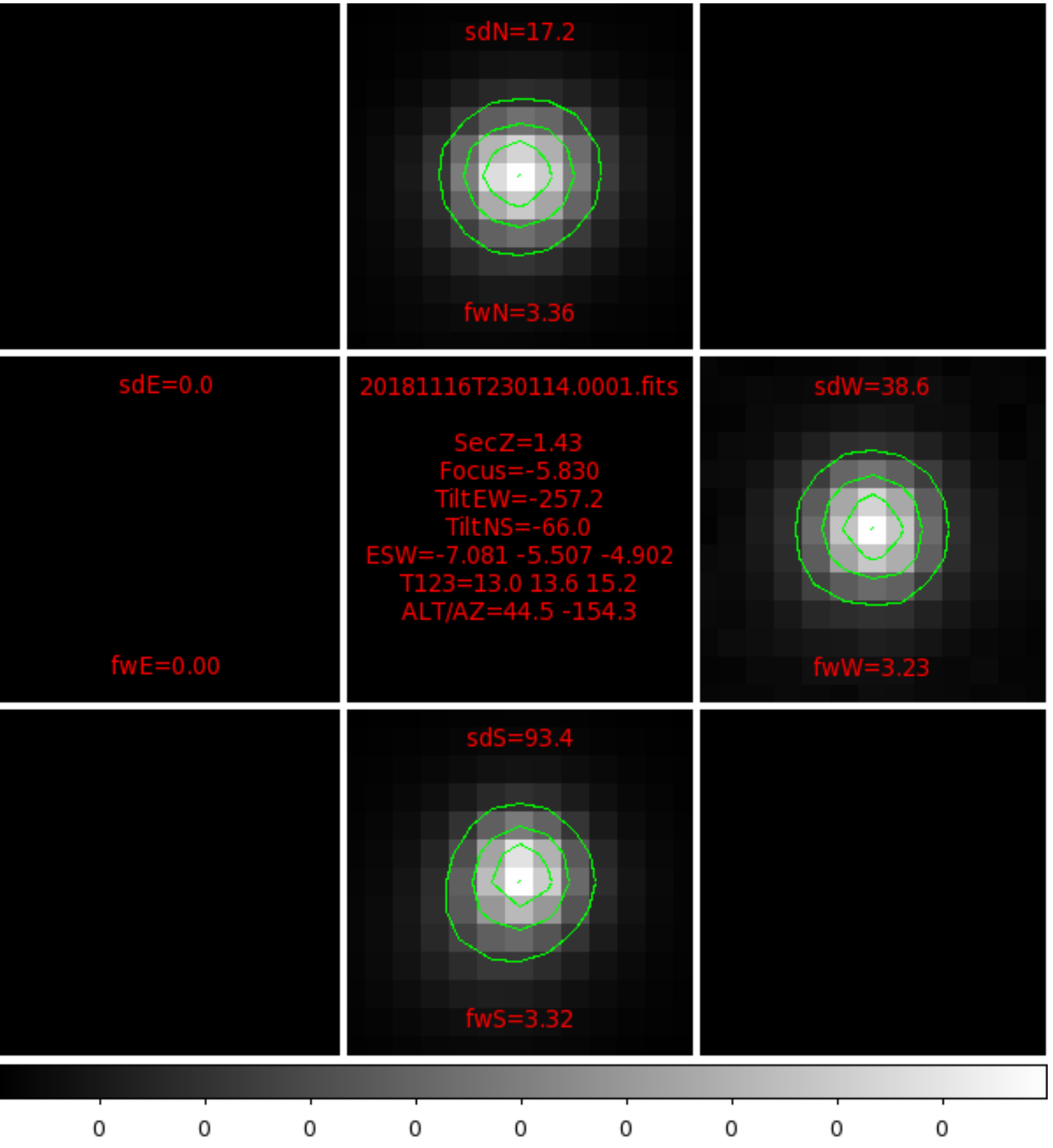

sdN=19.5
fwN=3.64
sdE=0.0
fwE=0.00
20181116T225438.0001.fits
SecZ=1.41
Focus=-5.837
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.088 -5.514 -4.909
T123=13.0 13.6 15.3
ALT/AZ=45.1 -156.5
sdW=47.3
fwW=3.58
sdS=113.2
fwS=3.57
0 0 0 0 0 0 0 0 0

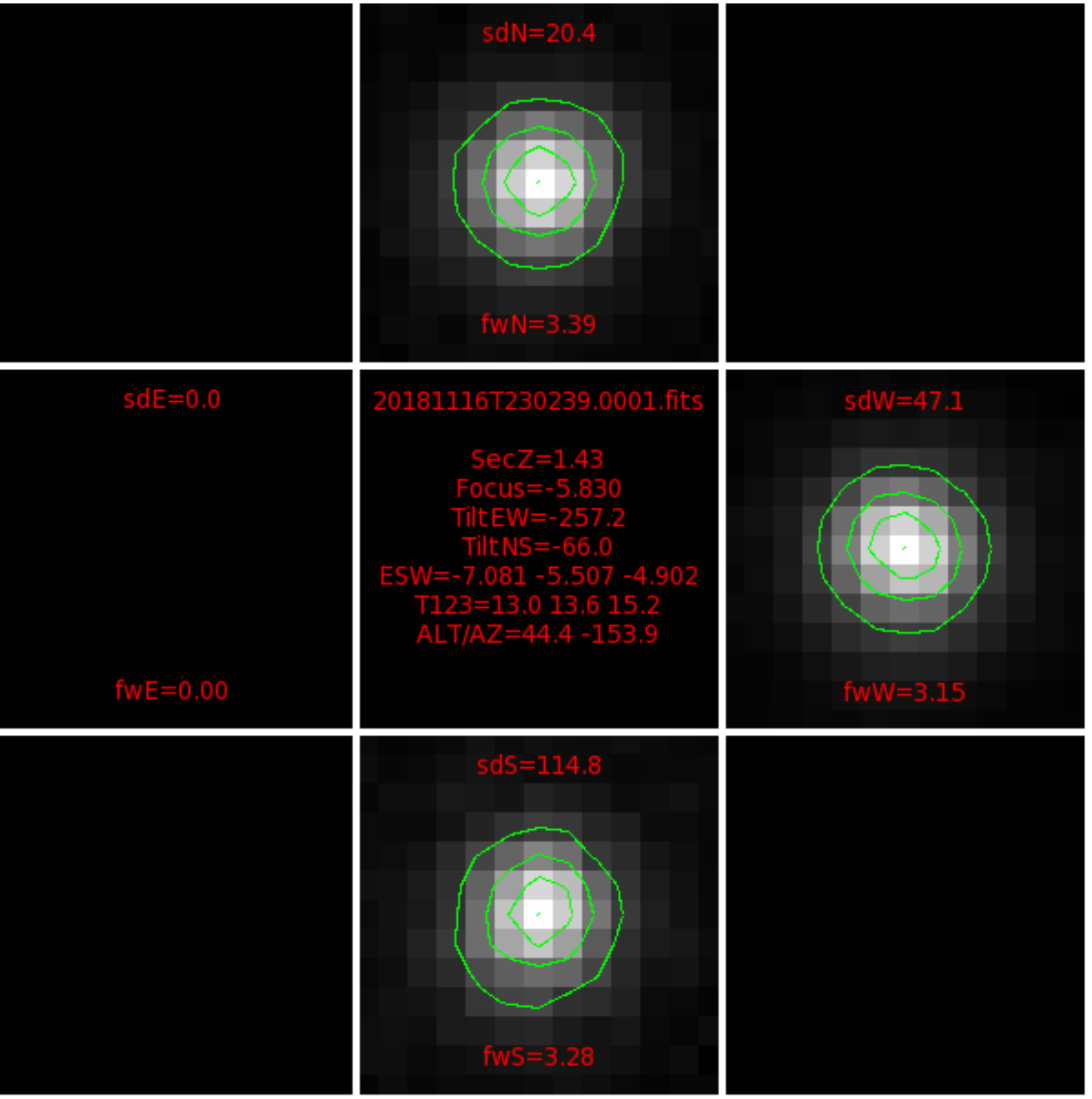

sdN=19.1
fwN=3.37
sdE=0.0
fwE=0.00
20181116T225602.0001.fits
SecZ=1.42
Focus=-5.837
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.088 -5.514 -4.909
T123=13.0 13.6 15.2
ALT/AZ=45.0 -156.0
sdW=44.4
fwW=3.39
sdS=108.9
fwS=3.35
0 0 0 0 0 0 0 0 0

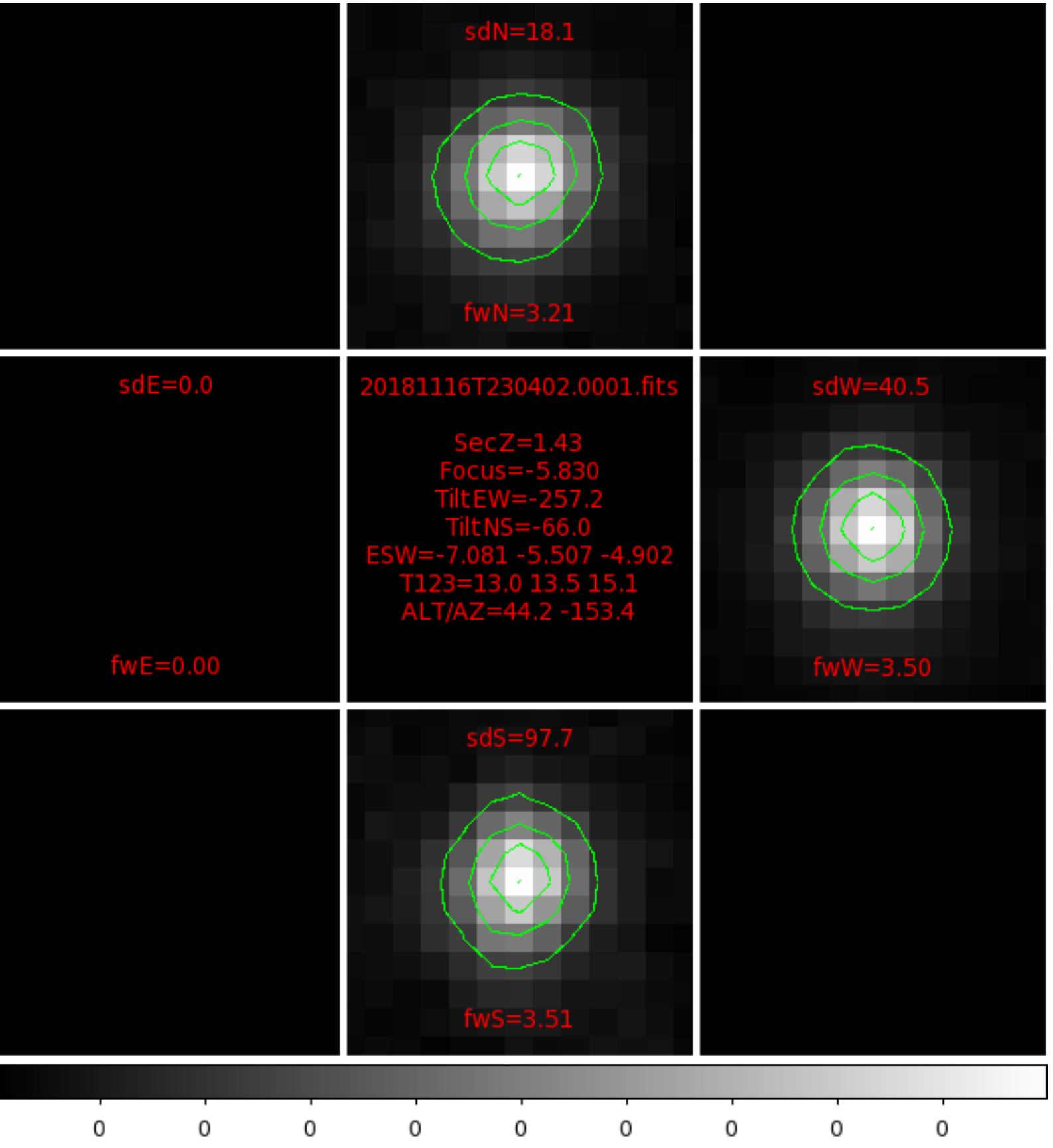

sdN=20.8
fwN=2.99
sdE=0.0
fwE=0.00
20181116T225715.0001.fits
SecZ=1.42
Focus=-5.830
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.081 -5.507 -4.902
T123=13.0 13.6 15.3
ALT/AZ=44.8 -155.6
sdW=50.4
fwW=2.99
sdS=121.3
fwS=3.06
0 0 0 0 0 0 0 0 0

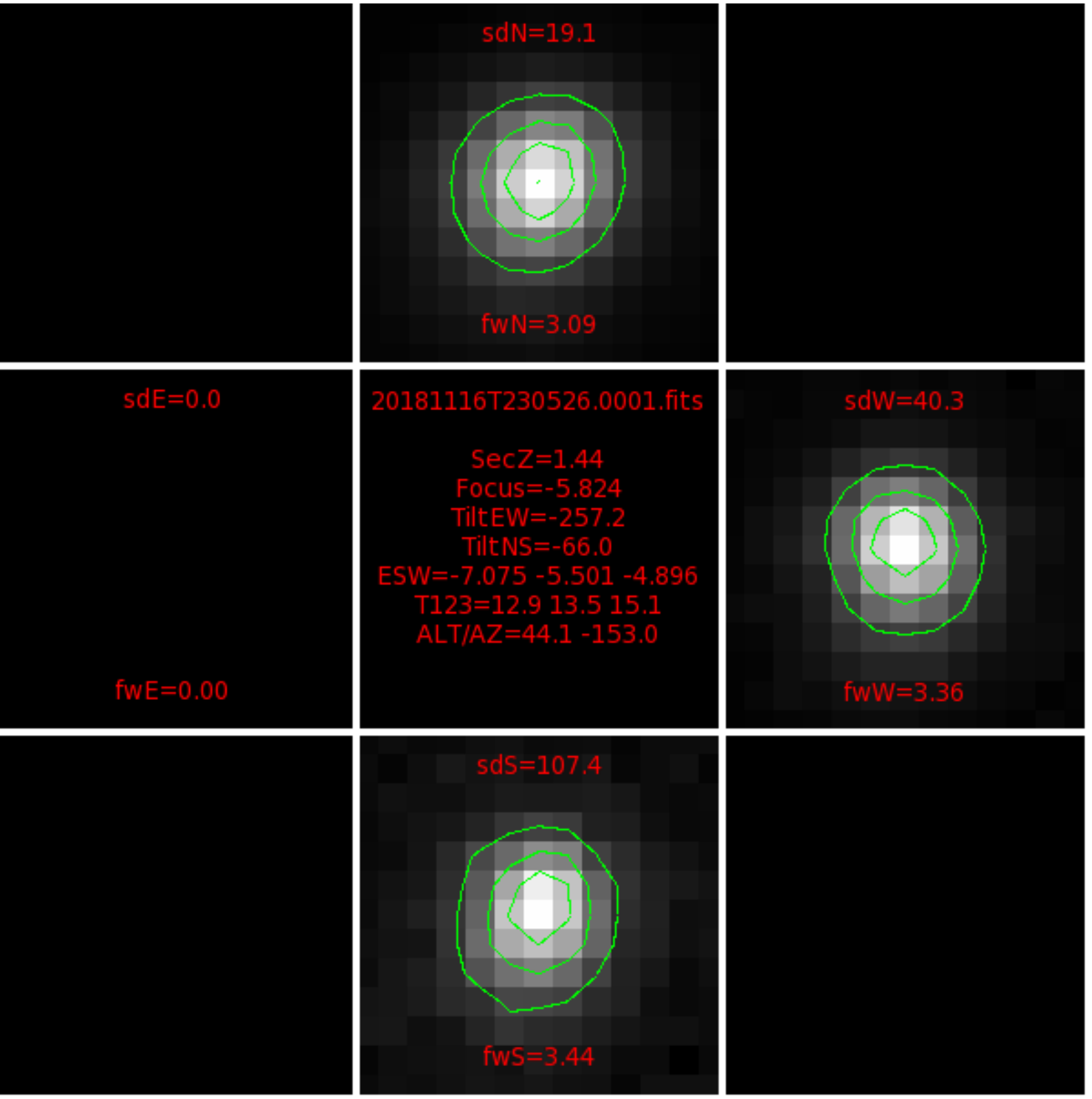

sdN=18.1
fwN=3.17
sdE=0.0
fwE=0.00
20181116T225825.0001.fits
SecZ=1.42
Focus=-5.830
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.081 -5.507 -4.902
T123=13.0 13.6 15.3
ALT/AZ=44.7 -155.2
sdW=40.6
fwW=3.24
sdS=91.5
fwS=3.40
0 0 0 0 0 0 0 0 0

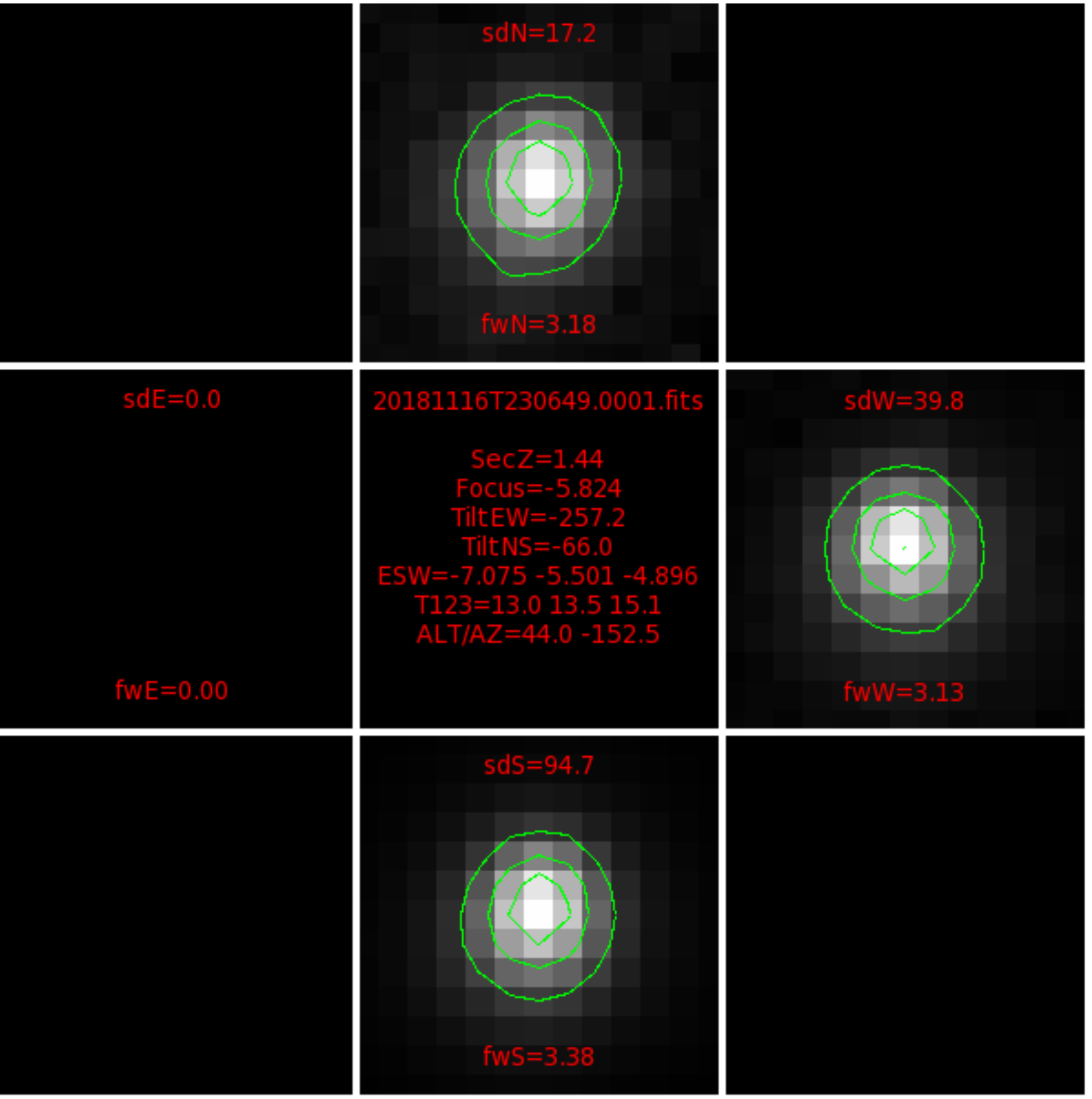

sdN=20.1
fwN=3.06
sdE=0.0
fwE=0.00
20181116T225951.0001.fits
SecZ=1.42
Focus=-5.837
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.088 -5.514 -4.909
T123=13.0 13.6 15.2
ALT/AZ=44.6 -154.8
sdW=44.2
fwW=2.99
sdS=113.4
fwS=3.08
0 0 0 0 0 0 0 0 0

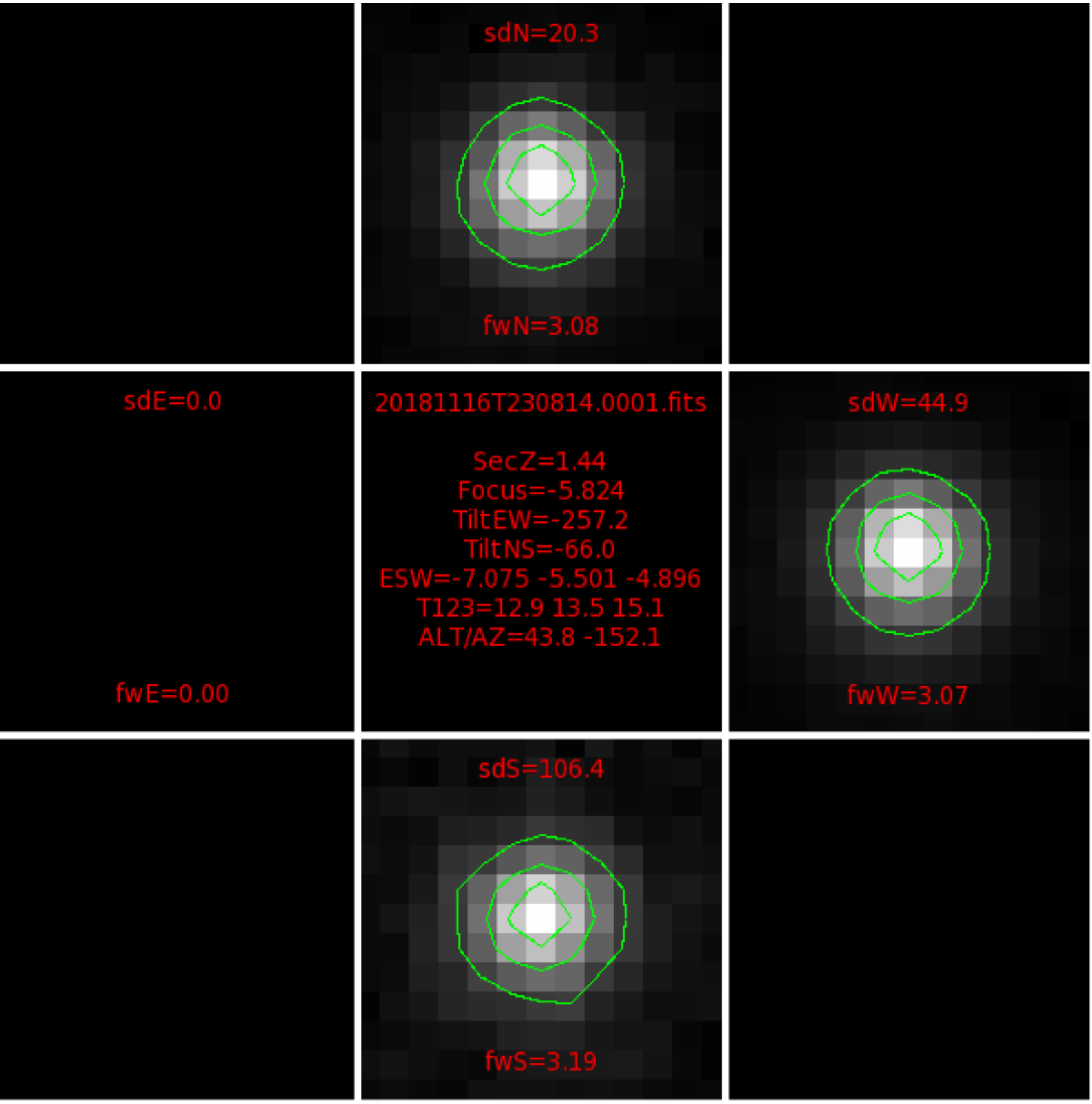

sdN=17.2
fwN=3.36
sdE=0.0
fwE=0.00
20181116T230114.0001.fits
SecZ=1.43
Focus=-5.830
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.081 -5.507 -4.902
T123=13.0 13.6 15.2
ALT/AZ=44.5 -154.3
sdW=38.6
fwW=3.23
sdS=93.4
fwS=3.32
0 0 0 0 0 0 0 0 0

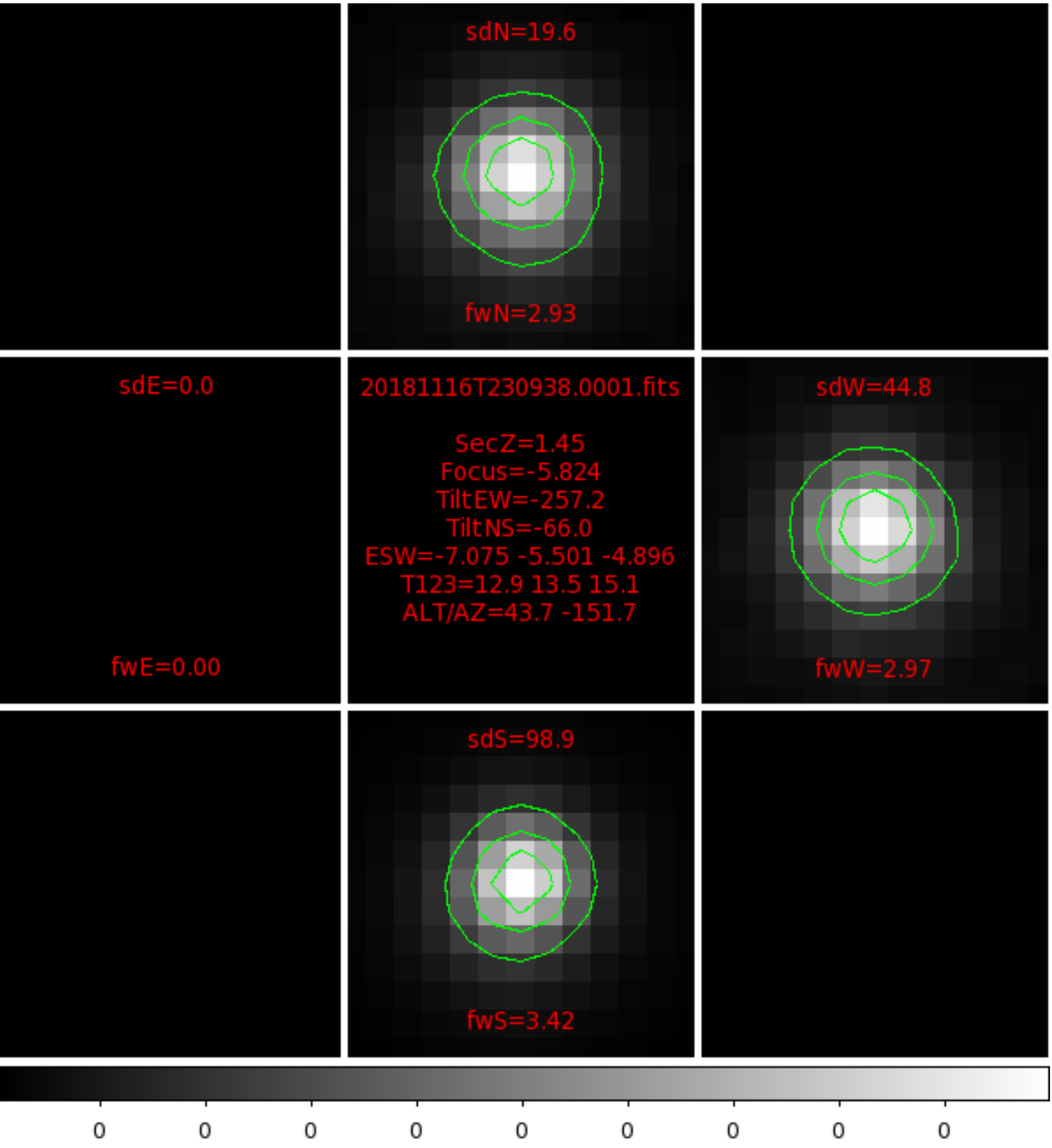

sdN=20.4
fwN=3.39
sdE=0.0
fwE=0.00
20181116T230239.0001.fits
SecZ=1.43
Focus=-5.830
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.081 -5.507 -4.902
T123=13.0 13.6 15.2
ALT/AZ=44.4 -153.9
sdW=47.1
fwW=3.15
sdS=114.8
fwS=3.28
0 0 0 0 0 0 0 0 0

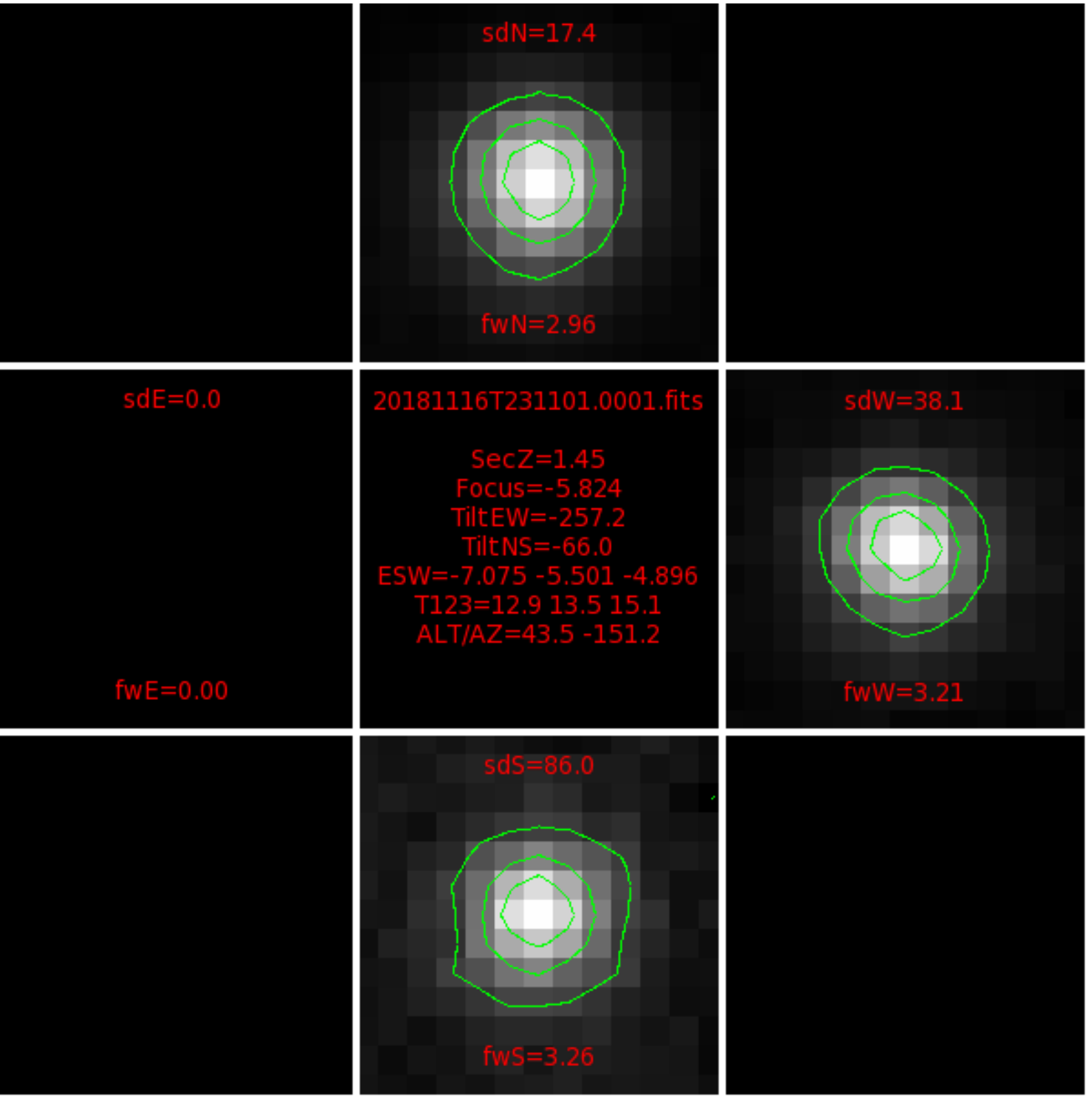

sdN=18.1
fwN=3.21
sdE=0.0
fwE=0.00
20181116T230402.0001.fits
SecZ=1.43
Focus=-5.830
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.081 -5.507 -4.902
T123=13.0 13.5 15.1
ALT/AZ=44.2 -153.4
sdW=40.5
fwW=3.50
sdS=97.7
fwS=3.51
0 0 0 0 0 0 0 0 0

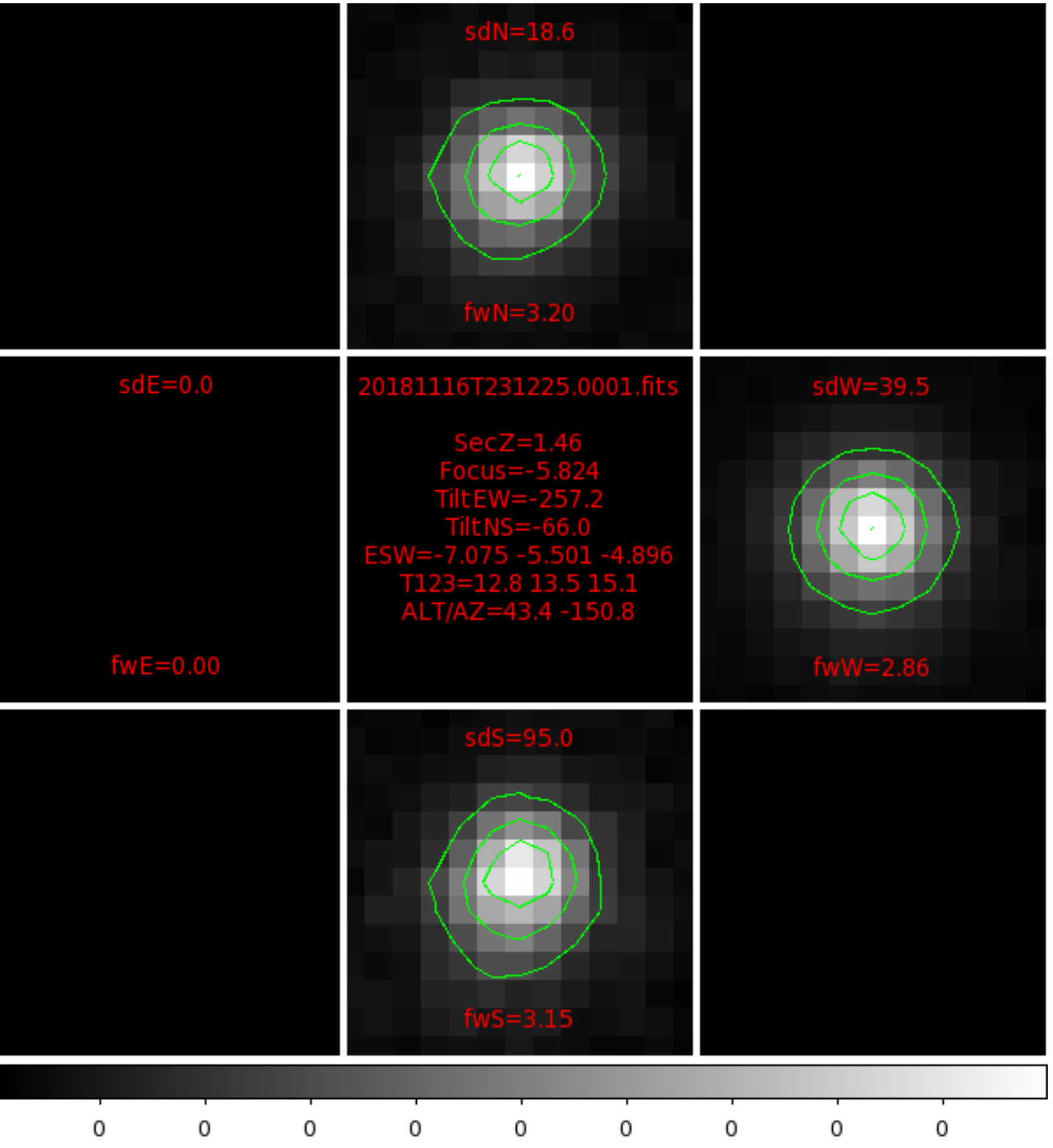

sdN=19.1
fwN=3.09
sdE=0.0
fwE=0.00
20181116T230526.0001.fits
SecZ=1.44
Focus=-5.824
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.075 -5.501 -4.896
T123=12.9 13.5 15.1
ALT/AZ=44.1 -153.0
sdW=40.3
fwW=3.36
sdS=107.4
fwS=3.44
0 0 0 0 0 0 0 0 0

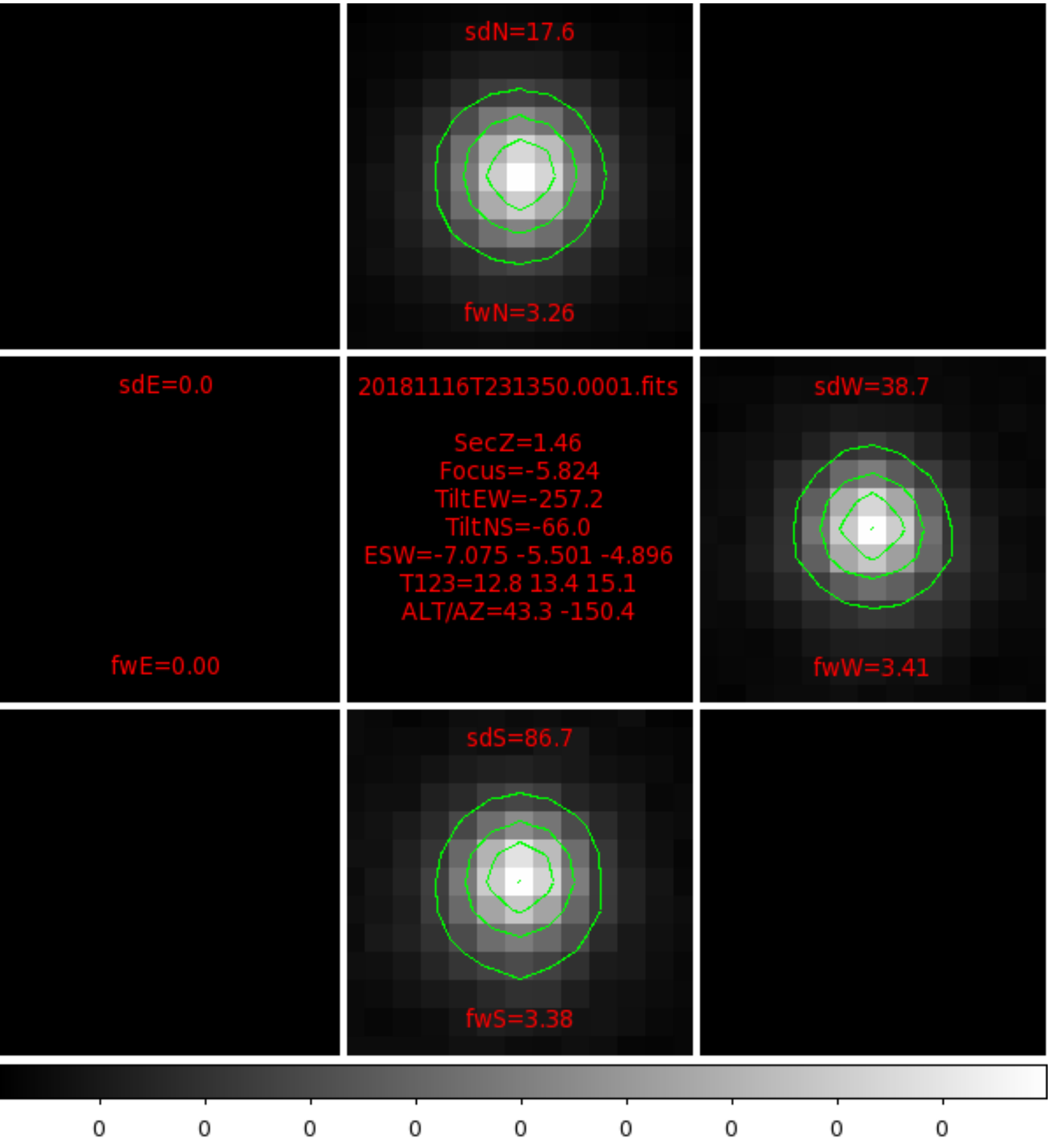

sdN=17.2
fwN=3.18
sdE=0.0
fwE=0.00
20181116T230649.0001.fits
SecZ=1.44
Focus=-5.824
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.075 -5.501 -4.896
T123=13.0 13.5 15.1
ALT/AZ=44.0 -152.5
sdW=39.8
fwW=3.13
sdS=94.7
fwS=3.38
0 0 0 0 0 0 0 0 0

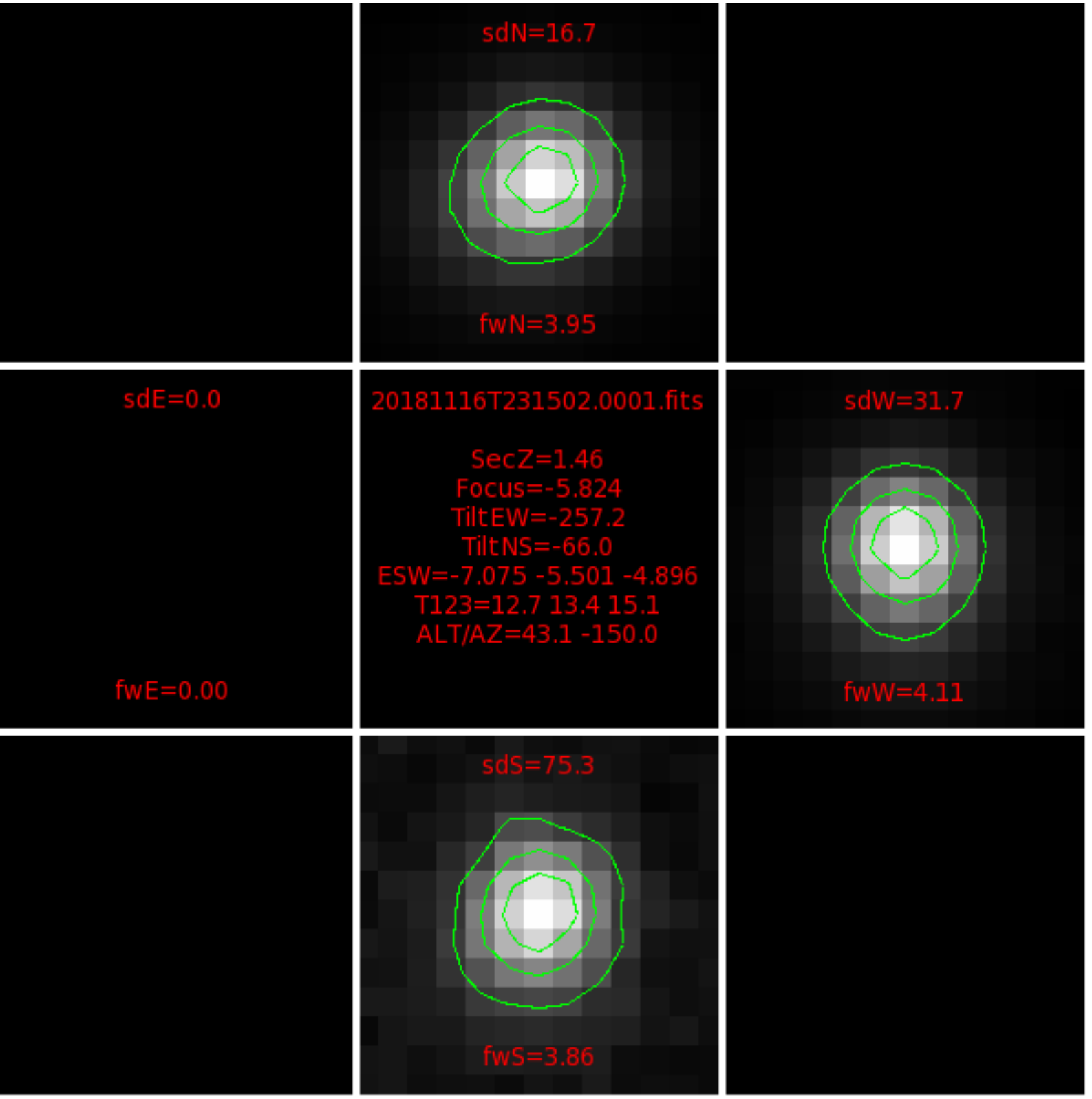

sdN=20.3
fwN=3.08
sdE=0.0
fwE=0.00
20181116T230814.0001.fits
SecZ=1.44
Focus=-5.824
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.075 -5.501 -4.896
T123=12.9 13.5 15.1
ALT/AZ=43.8 -152.1
sdW=44.9
fwW=3.07
sdS=106.4
fwS=3.19
0 0 0 0 0 0 0 0 0

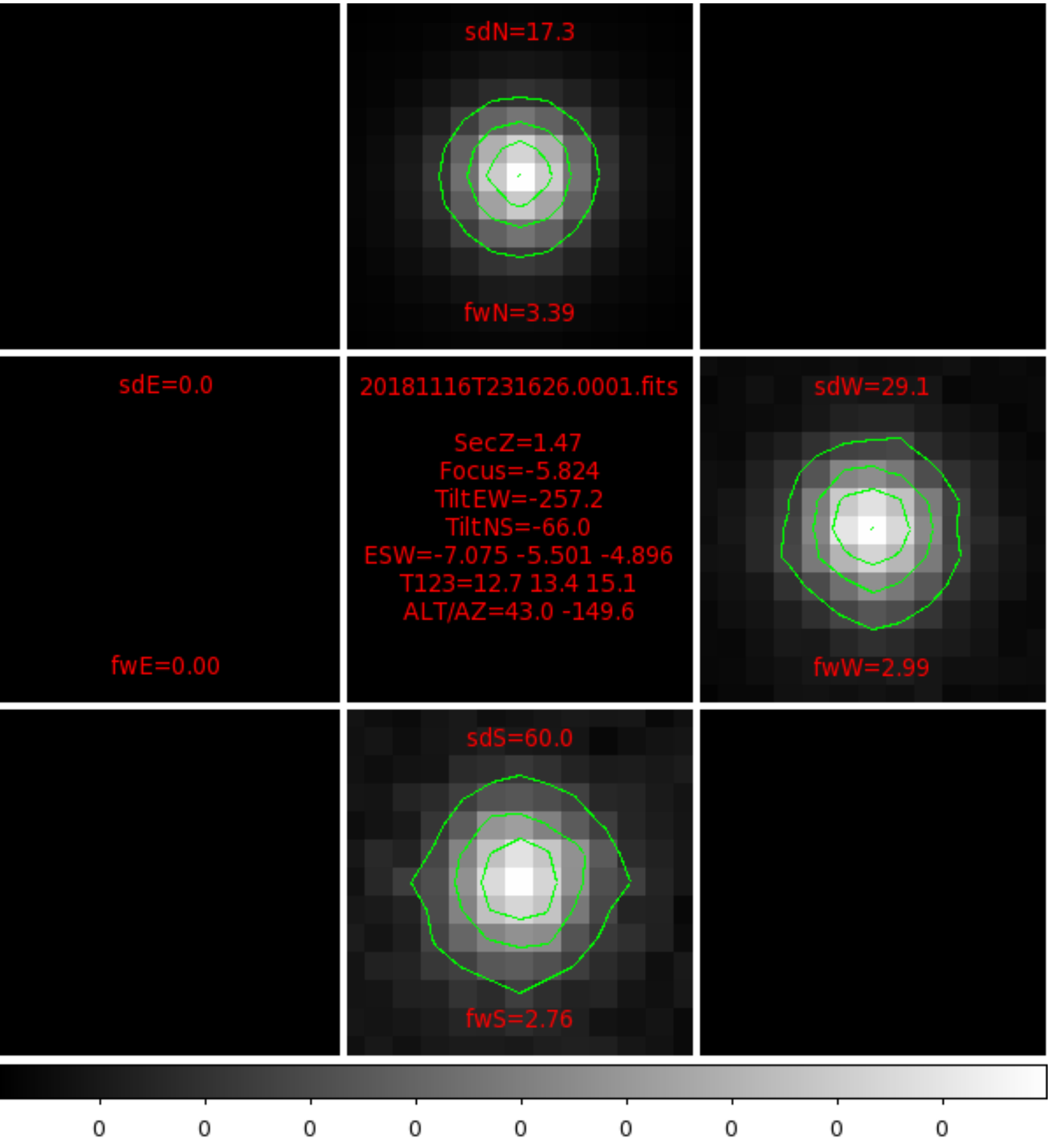

sdN=19.6
fwN=2.93
sdE=0.0
fwE=0.00
20181116T230938.0001.fits
SecZ=1.45
Focus=-5.824
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.075 -5.501 -4.896
T123=12.9 13.5 15.1
ALT/AZ=43.7 -151.7
sdW=44.8
fwW=2.97
sdS=98.9
fwS=3.42
0 0 0 0 0 0 0 0 0

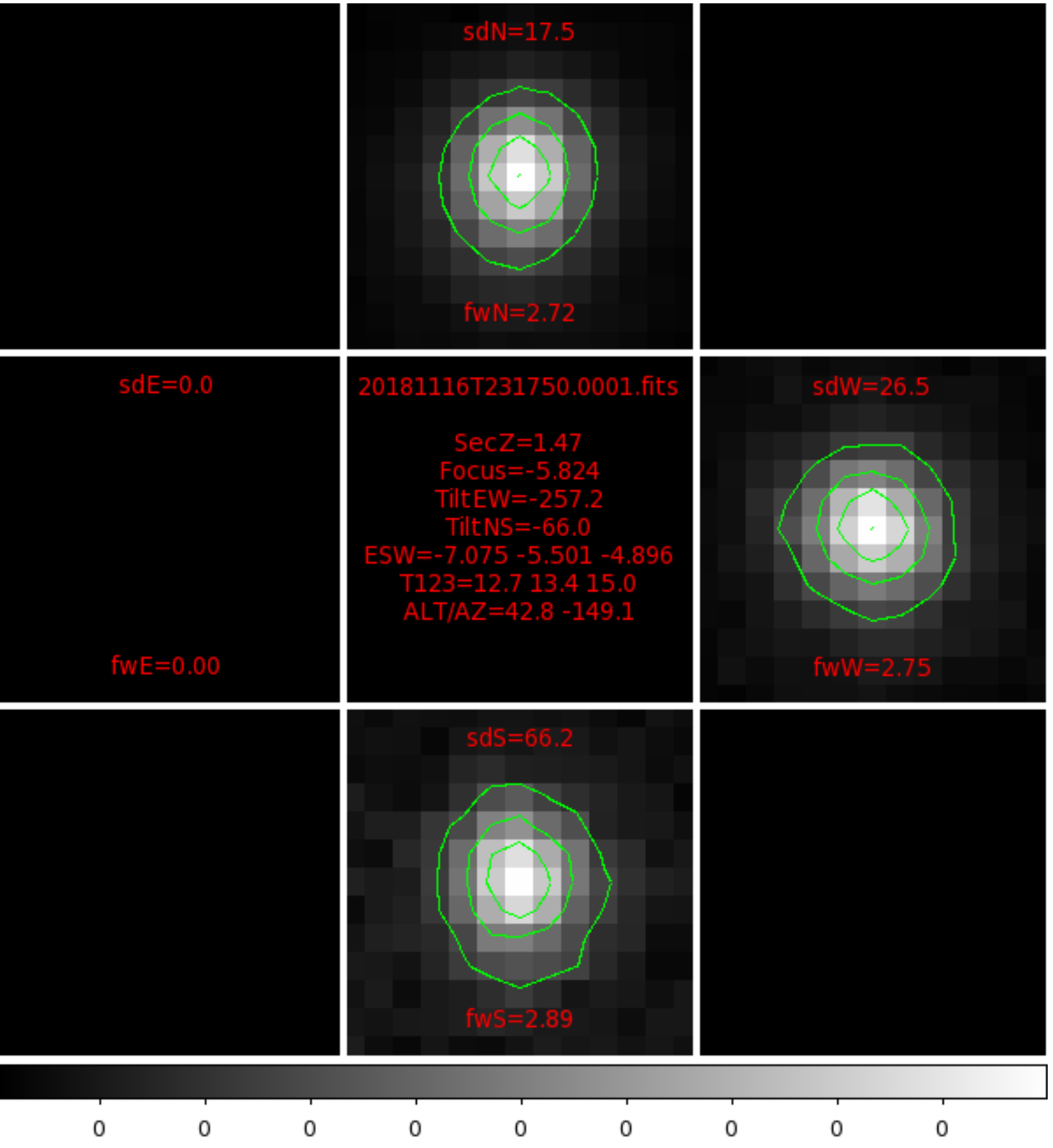

sdN=17.4
fwN=2.96
sdE=0.0
fwE=0.00
20181116T231101.0001.fits
SecZ=1.45
Focus=-5.824
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.075 -5.501 -4.896
T123=12.9 13.5 15.1
ALT/AZ=43.5 -151.2
sdW=38.1
fwW=3.21
sdS=86.0
fwS=3.26
0 0 0 0 0 0 0 0 0

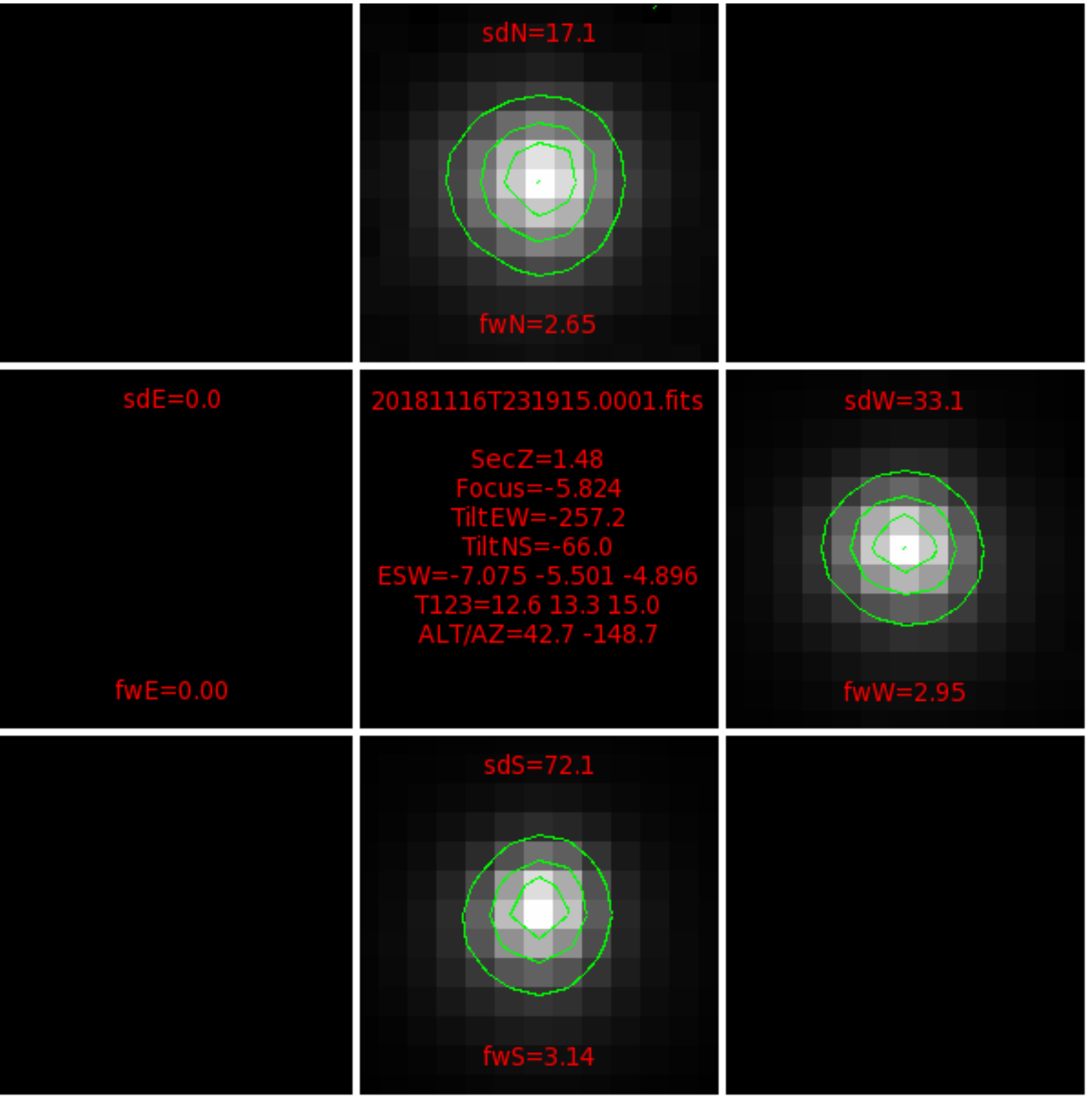

sdN=18.6
fwN=3.20
sdE=0.0
fwE=0.00
20181116T231225.0001.fits
SecZ=1.46
Focus=-5.824
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.075 -5.501 -4.896
T123=12.8 13.5 15.1
ALT/AZ=43.4 -150.8
sdW=39.5
fwW=2.86
sdS=95.0
fwS=3.15
0 0 0 0 0 0 0 0 0

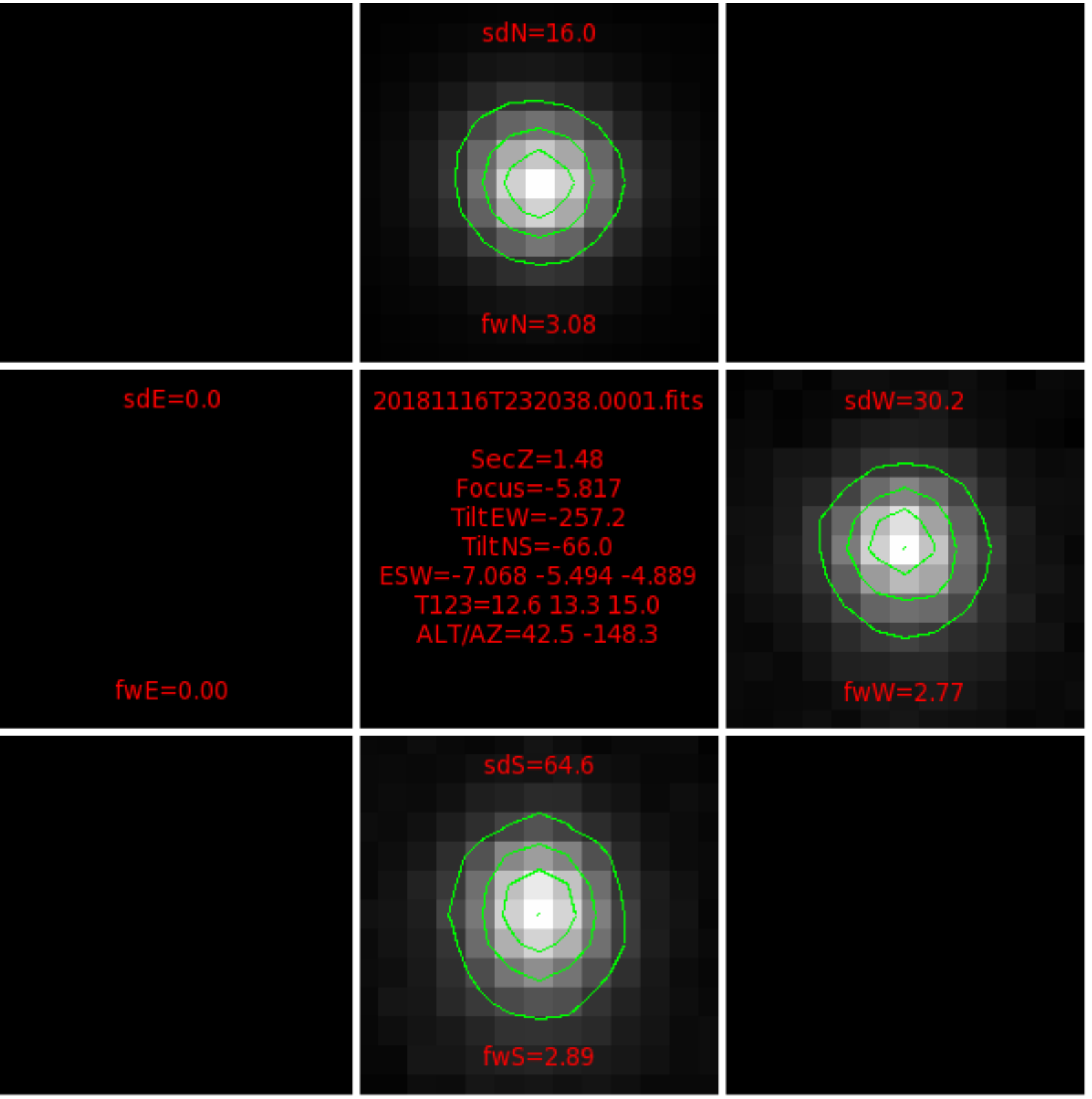

sdN=17.6
fwN=3.26
sdE=0.0
fwE=0.00
20181116T231350.0001.fits
SecZ=1.46
Focus=-5.824
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.075 -5.501 -4.896
T123=12.8 13.4 15.1
ALT/AZ=43.3 -150.4
sdW=38.7
fwW=3.41
sdS=86.7
fwS=3.38
0 0 0 0 0 0 0 0 0

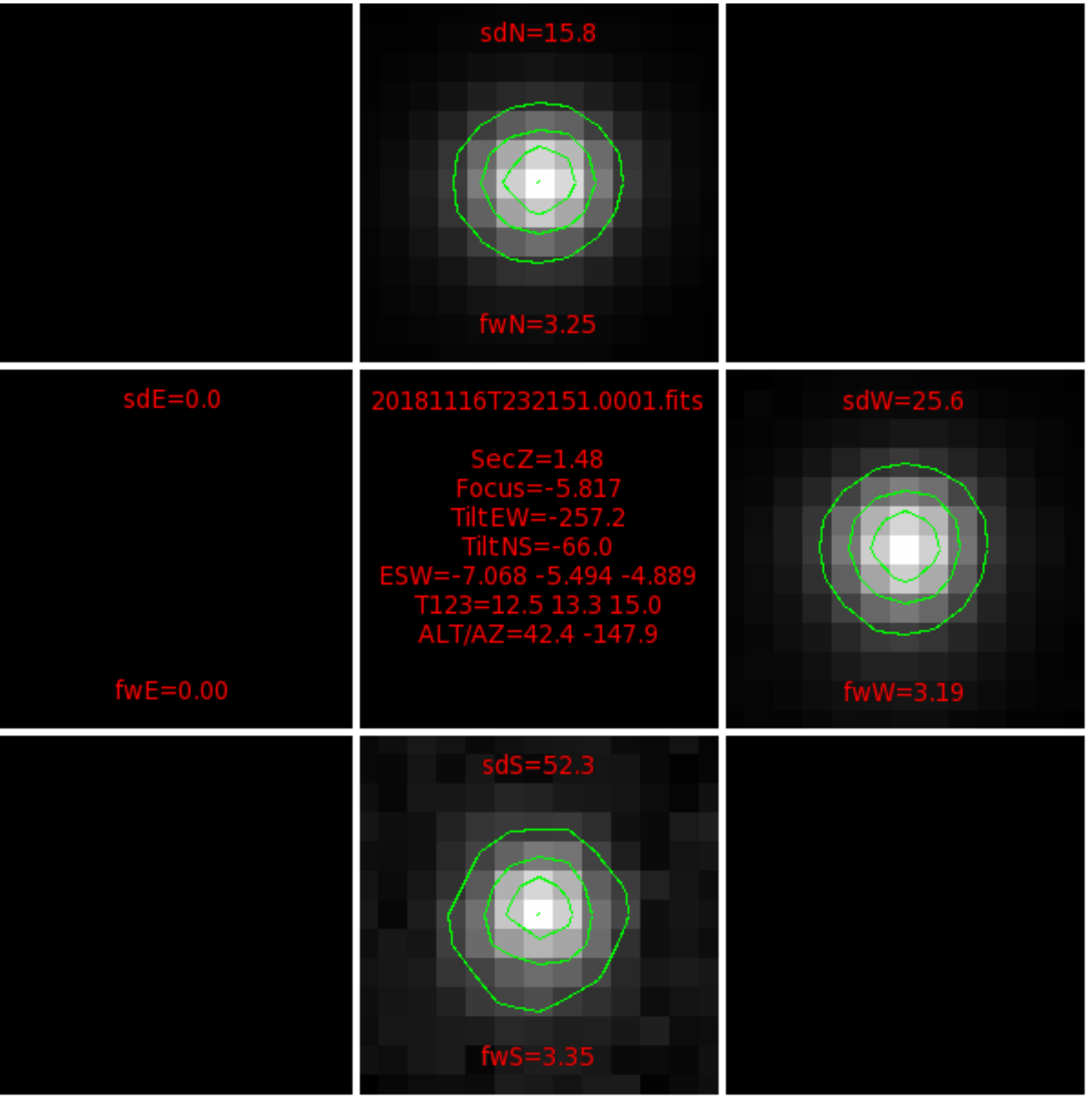

sdN=16.7
fwN=3.95
sdE=0.0
fwE=0.00
20181116T231502.0001.fits
SecZ=1.46
Focus=-5.824
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.075 -5.501 -4.896
T123=12.7 13.4 15.1
ALT/AZ=43.1 -150.0
sdW=31.7
fwW=4.11
sdS=75.3
fwS=3.86
0 0 0 0 0 0 0 0 0

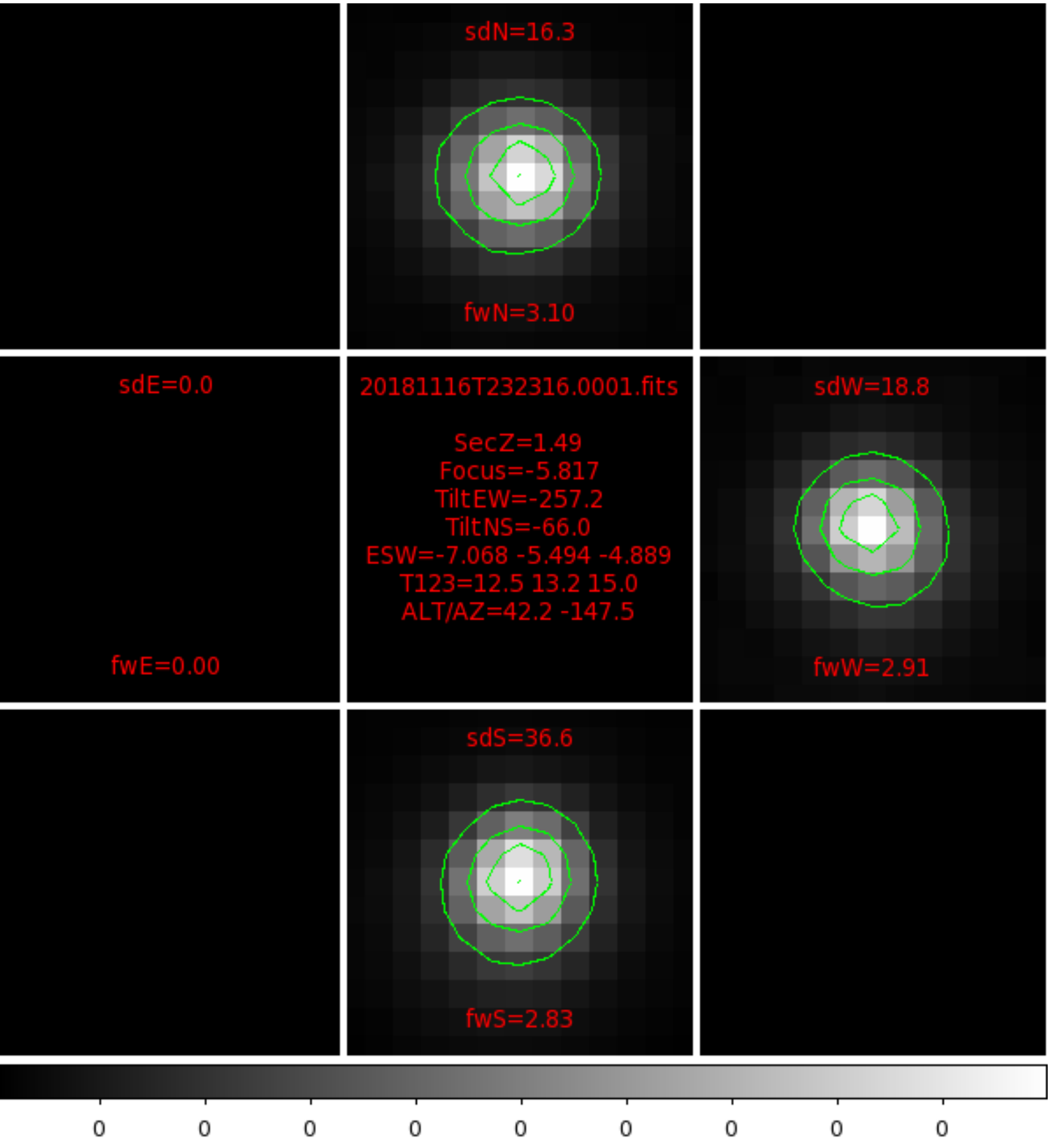

sdN=17.3
fwN=3.39
sdE=0.0
fwE=0.00
20181116T231626.0001.fits
SecZ=1.47
Focus=-5.824
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.075 -5.501 -4.896
T123=12.7 13.4 15.1
ALT/AZ=43.0 -149.6
sdW=29.1
fwW=2.99
sdS=60.0
fwS=2.76
0 0 0 0 0 0 0 0 0

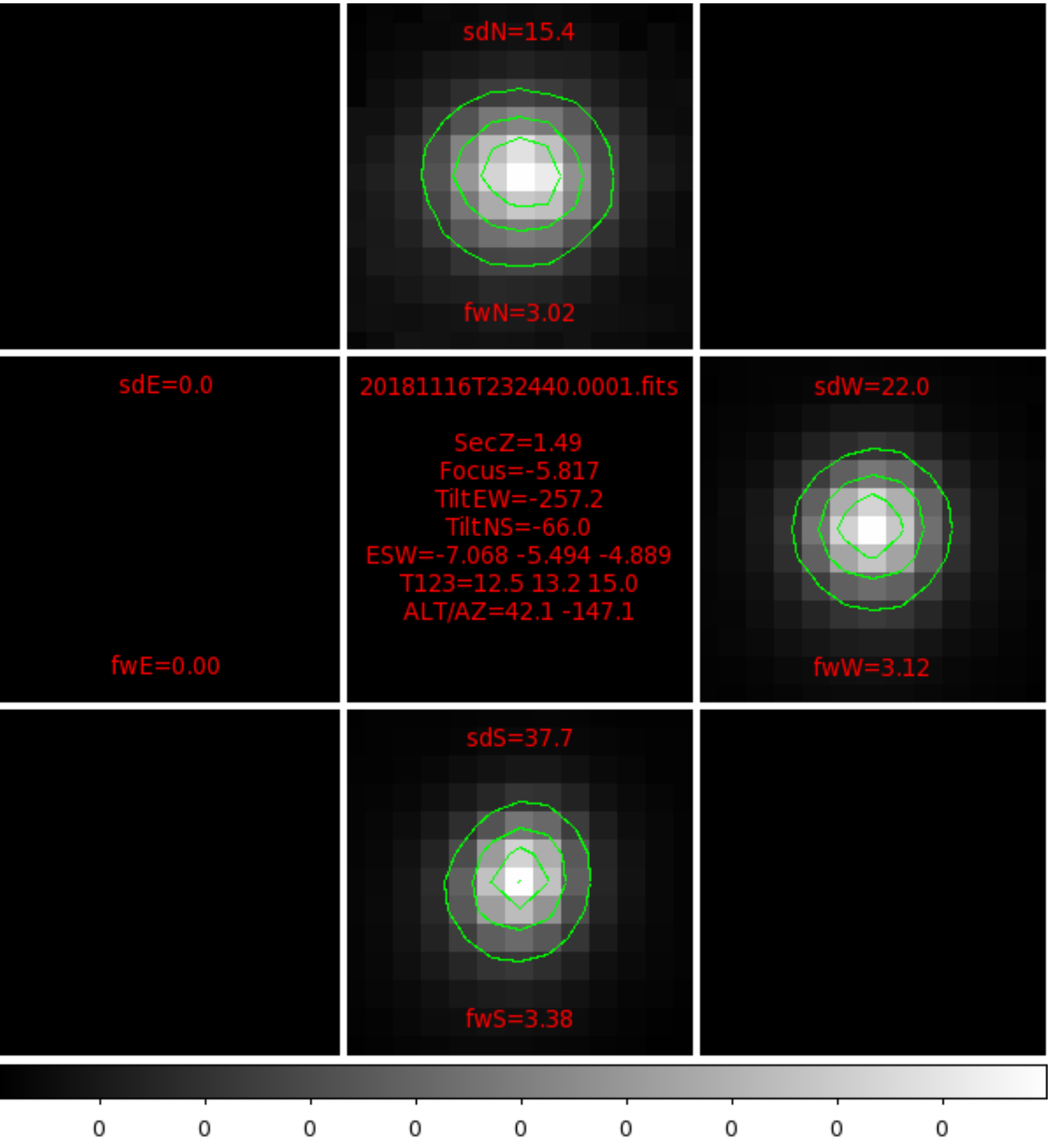

sdN=17.5
fwN=2.72
sdE=0.0
fwE=0.00
20181116T231750.0001.fits
SecZ=1.47
Focus=-5.824
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.075 -5.501 -4.896
T123=12.7 13.4 15.0
ALT/AZ=42.8 -149.1
sdW=26.5
fwW=2.75
sdS=66.2
fwS=2.89
0 0 0 0 0 0 0 0 0

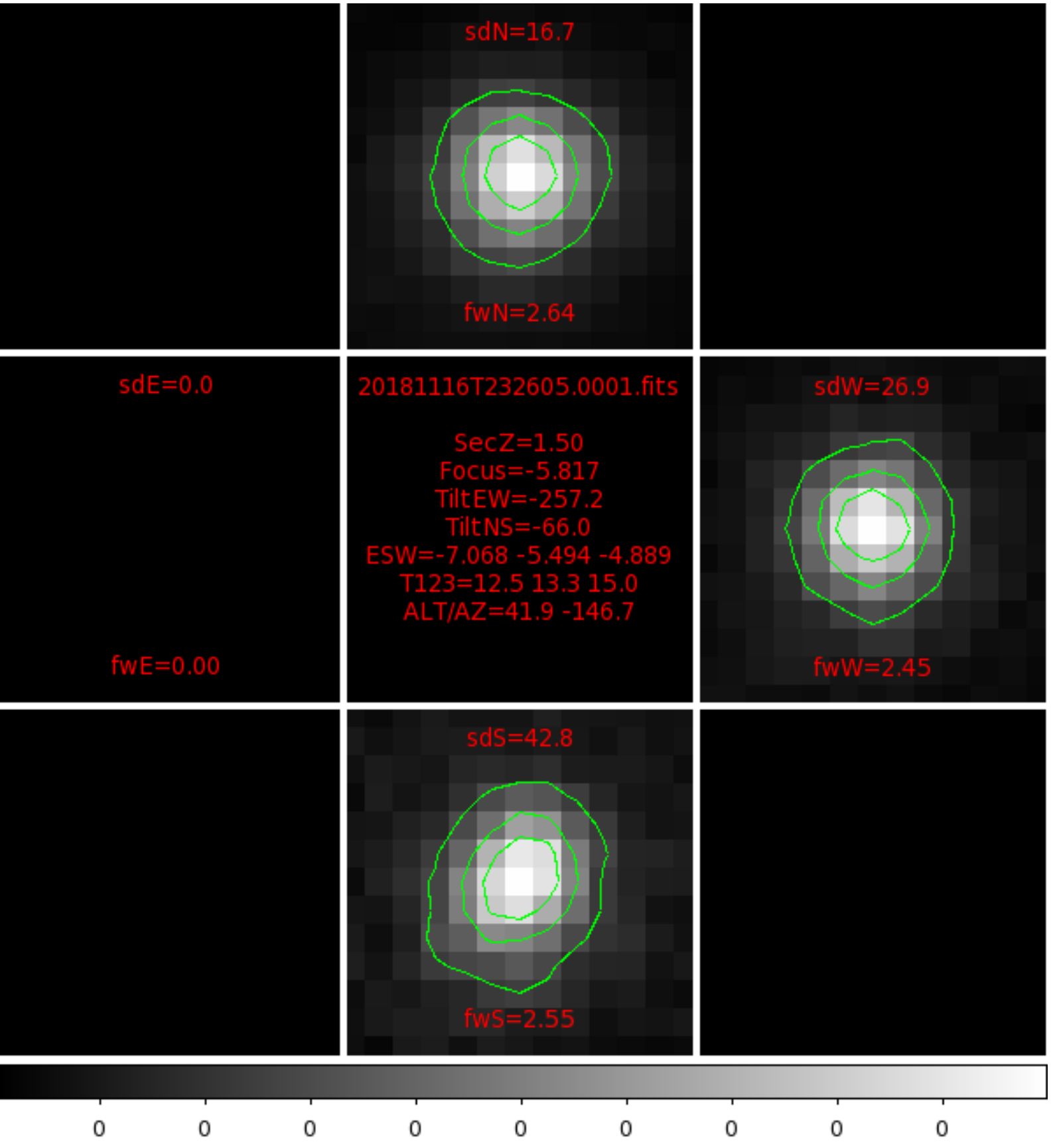

sdN=17.1
fwN=2.65
sdE=0.0
fwE=0.00
20181116T231915.0001.fits
SecZ=1.48
Focus=-5.824
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.075 -5.501 -4.896
T123=12.6 13.3 15.0
ALT/AZ=42.7 -148.7
sdW=33.1
fwW=2.95
sdS=72.1
fwS=3.14
0 0 0 0 0 0 0 0 0

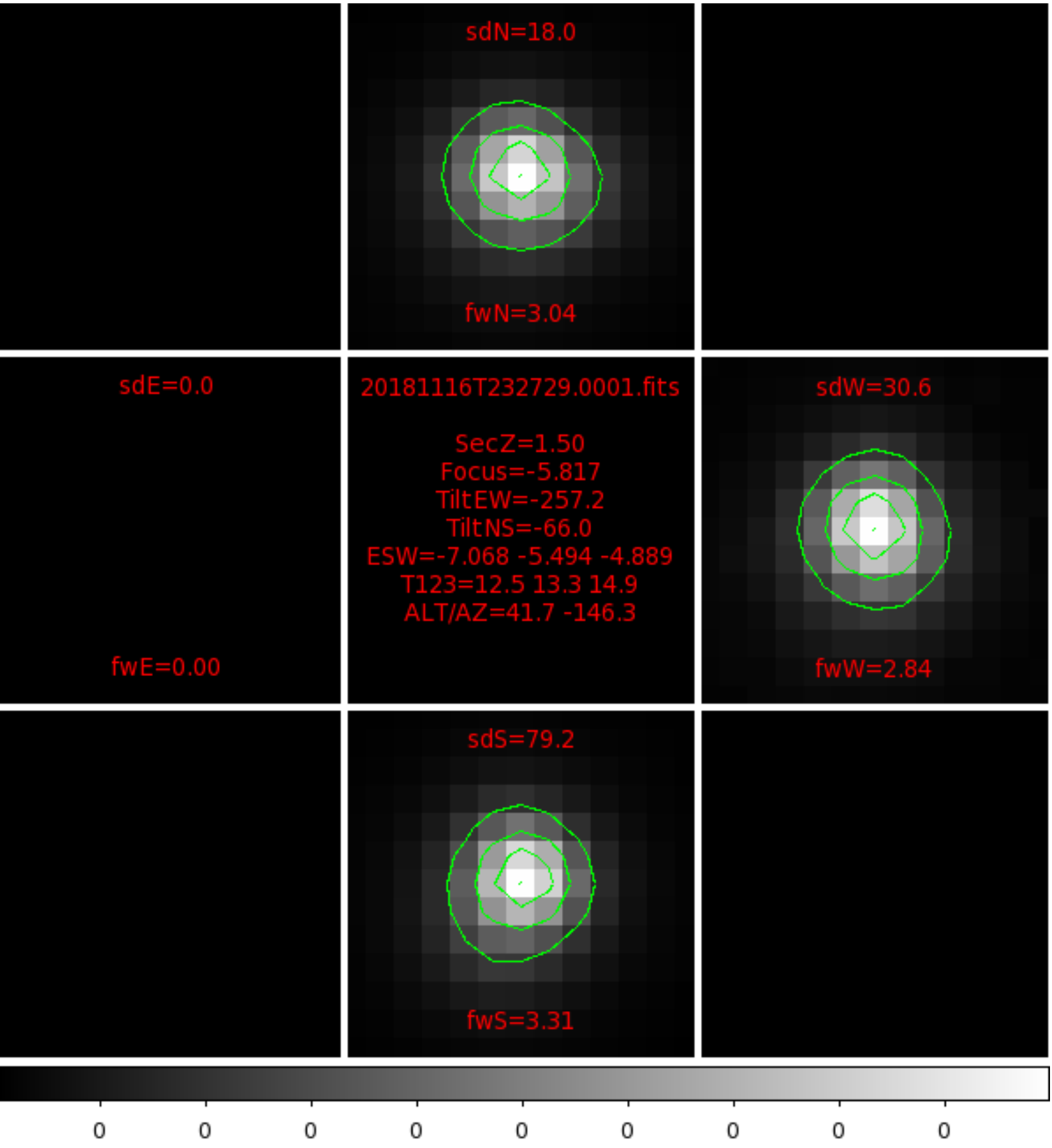

sdN=16.0
fwN=3.08
sdE=0.0
fwE=0.00
20181116T232038.0001.fits
SecZ=1.48
Focus=-5.817
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.068 -5.494 -4.889
T123=12.6 13.3 15.0
ALT/AZ=42.5 -148.3
sdW=30.2
fwW=2.77
sdS=64.6
fwS=2.89
0 0 0 0 0 0 0 0 0

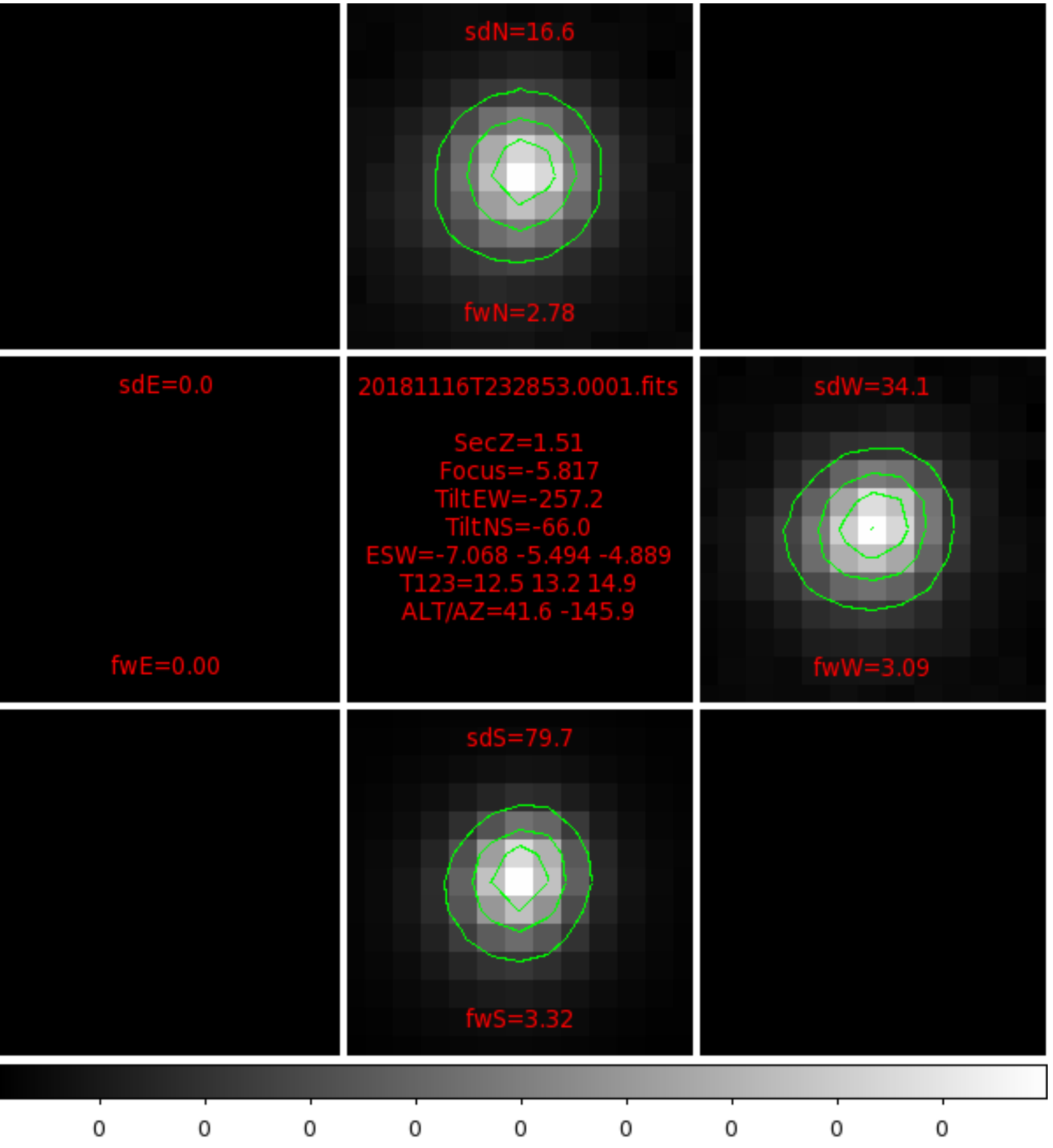

sdN=15.8
fwN=3.25
sdE=0.0
fwE=0.00
20181116T232151.0001.fits
SecZ=1.48
Focus=-5.817
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.068 -5.494 -4.889
T123=12.5 13.3 15.0
ALT/AZ=42.4 -147.9
sdW=25.6
fwW=3.19
sdS=52.3
fwS=3.35
0 0 0 0 0 0 0 0 0

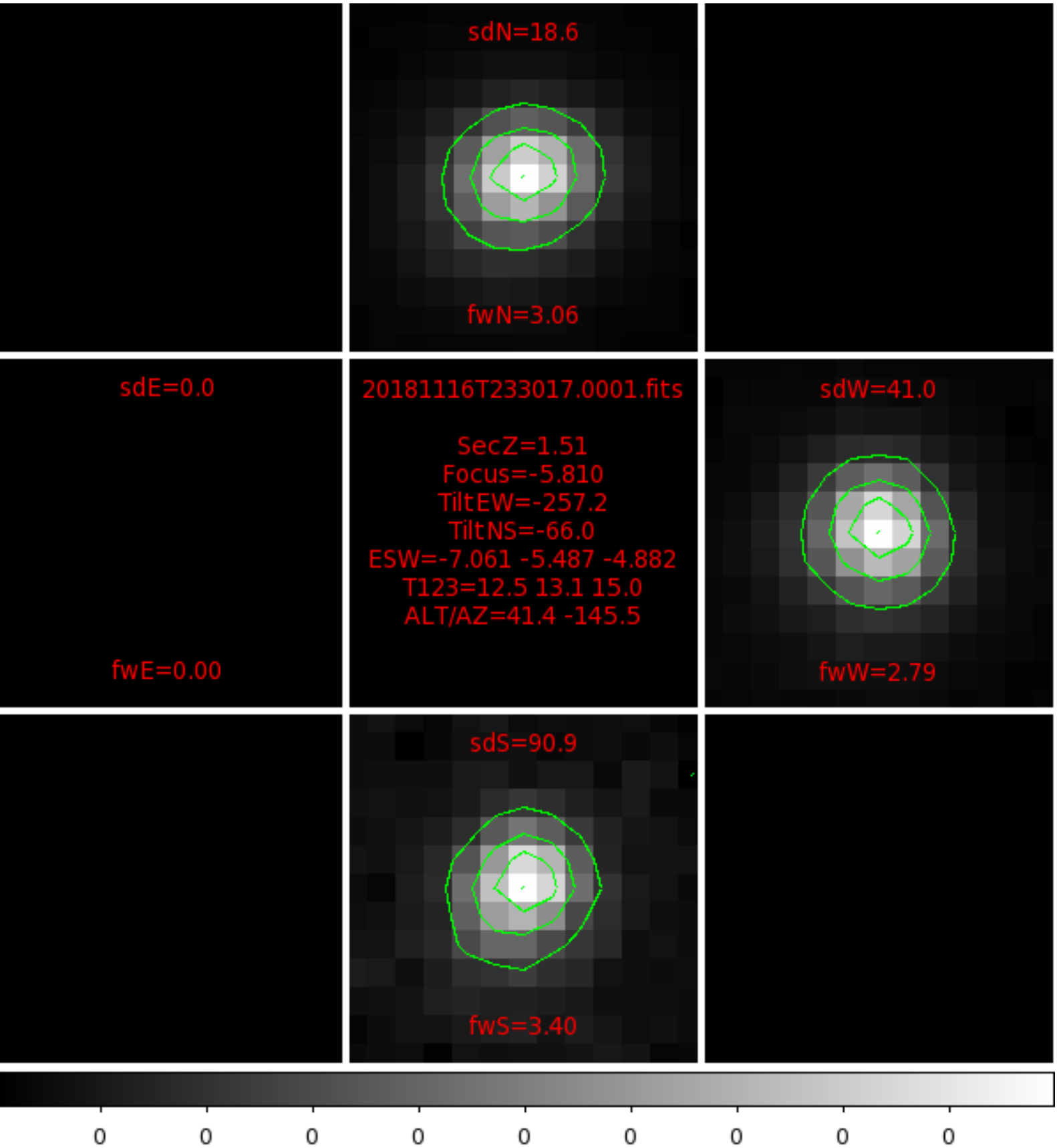

sdN=16.3
fwN=3.10
sdE=0.0
fwE=0.00
20181116T232316.0001.fits
SecZ=1.49
Focus=-5.817
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.068 -5.494 -4.889
T123=12.5 13.2 15.0
ALT/AZ=42.2 -147.5
sdW=18.8
fwW=2.91
sdS=36.6
fwS=2.83
0 0 0 0 0 0 0 0 0

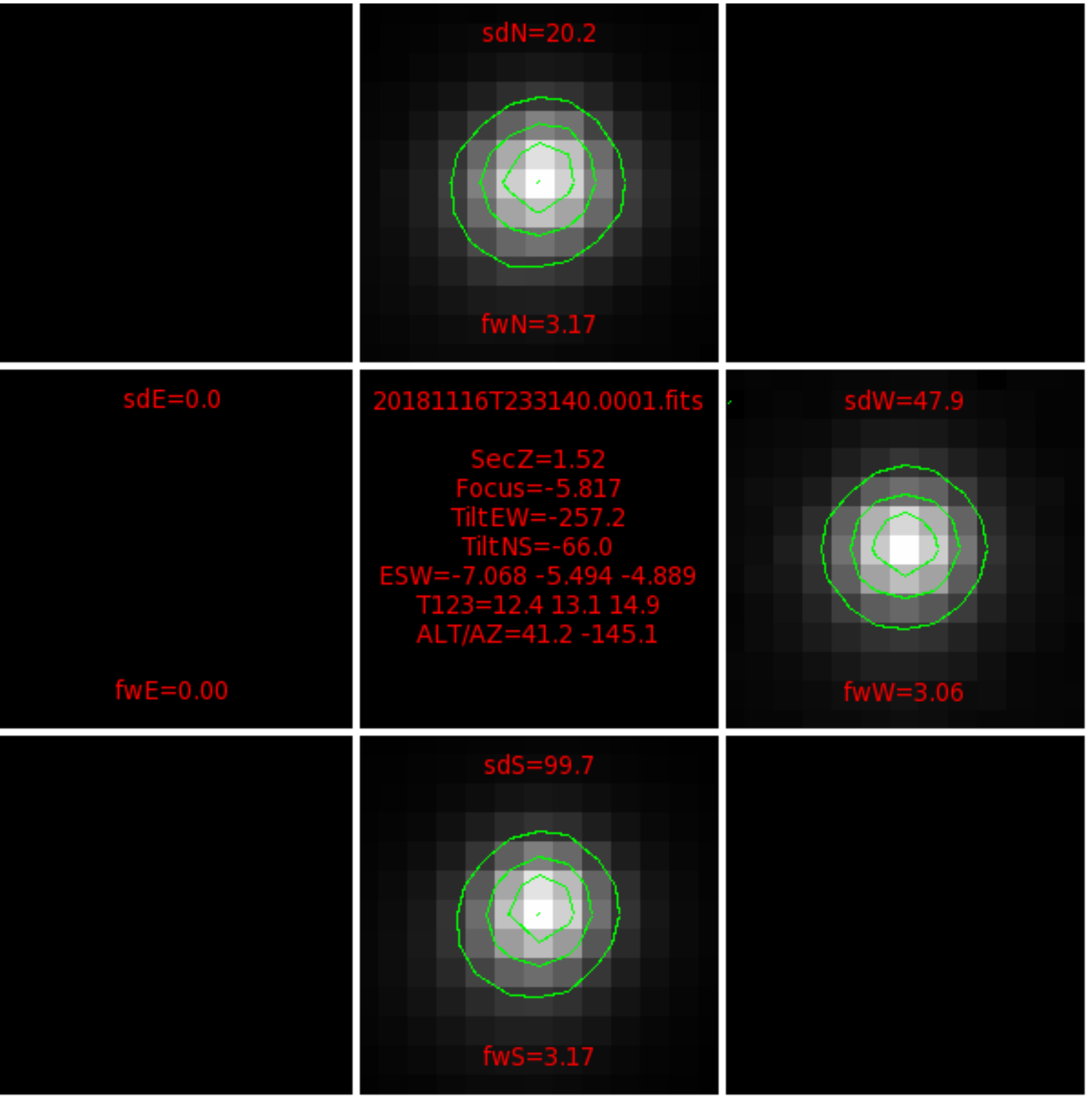

sdN=15.4
fwN=3.02
sdE=0.0
fwE=0.00
20181116T232440.0001.fits
SecZ=1.49
Focus=-5.817
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.068 -5.494 -4.889
T123=12.5 13.2 15.0
ALT/AZ=42.1 -147.1
sdW=22.0
fwW=3.12
sdS=37.7
fwS=3.38
0 0 0 0 0 0 0 0 0

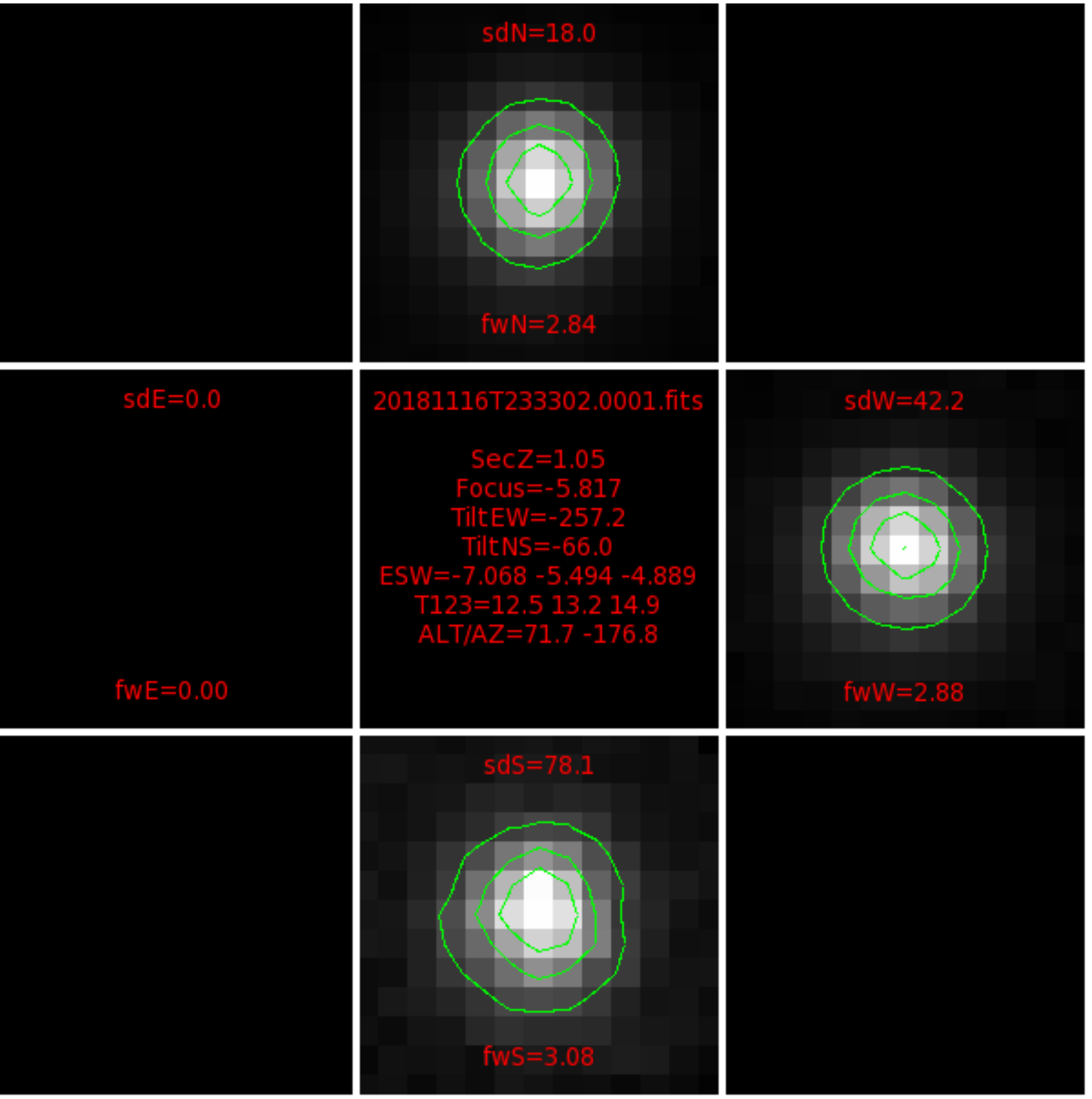

sdN=16.7
fwN=2.64
sdE=0.0
fwE=0.00
20181116T232605.0001.fits
SecZ=1.50
Focus=-5.817
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.068 -5.494 -4.889
T123=12.5 13.3 15.0
ALT/AZ=41.9 -146.7
sdW=26.9
fwW=2.45
sdS=42.8
fwS=2.55
0 0 0 0 0 0 0 0 0

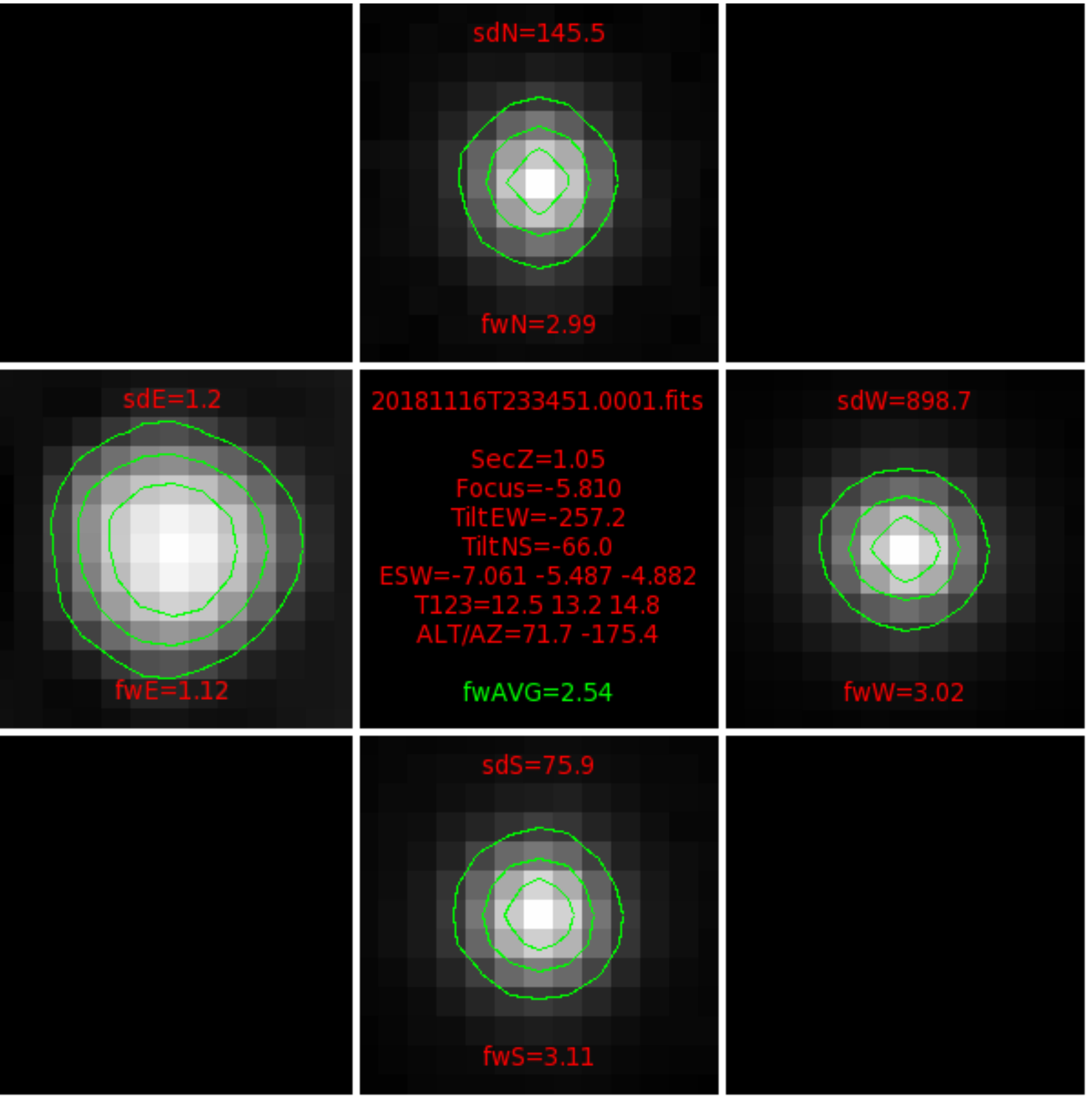

sdN=18.0
fwN=3.04
sdE=0.0
fwE=0.00
20181116T232729.0001.fits
SecZ=1.50
Focus=-5.817
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.068 -5.494 -4.889
T123=12.5 13.3 14.9
ALT/AZ=41.7 -146.3
sdW=30.6
fwW=2.84
sdS=79.2
fwS=3.31
0 0 0 0 0 0 0 0 0

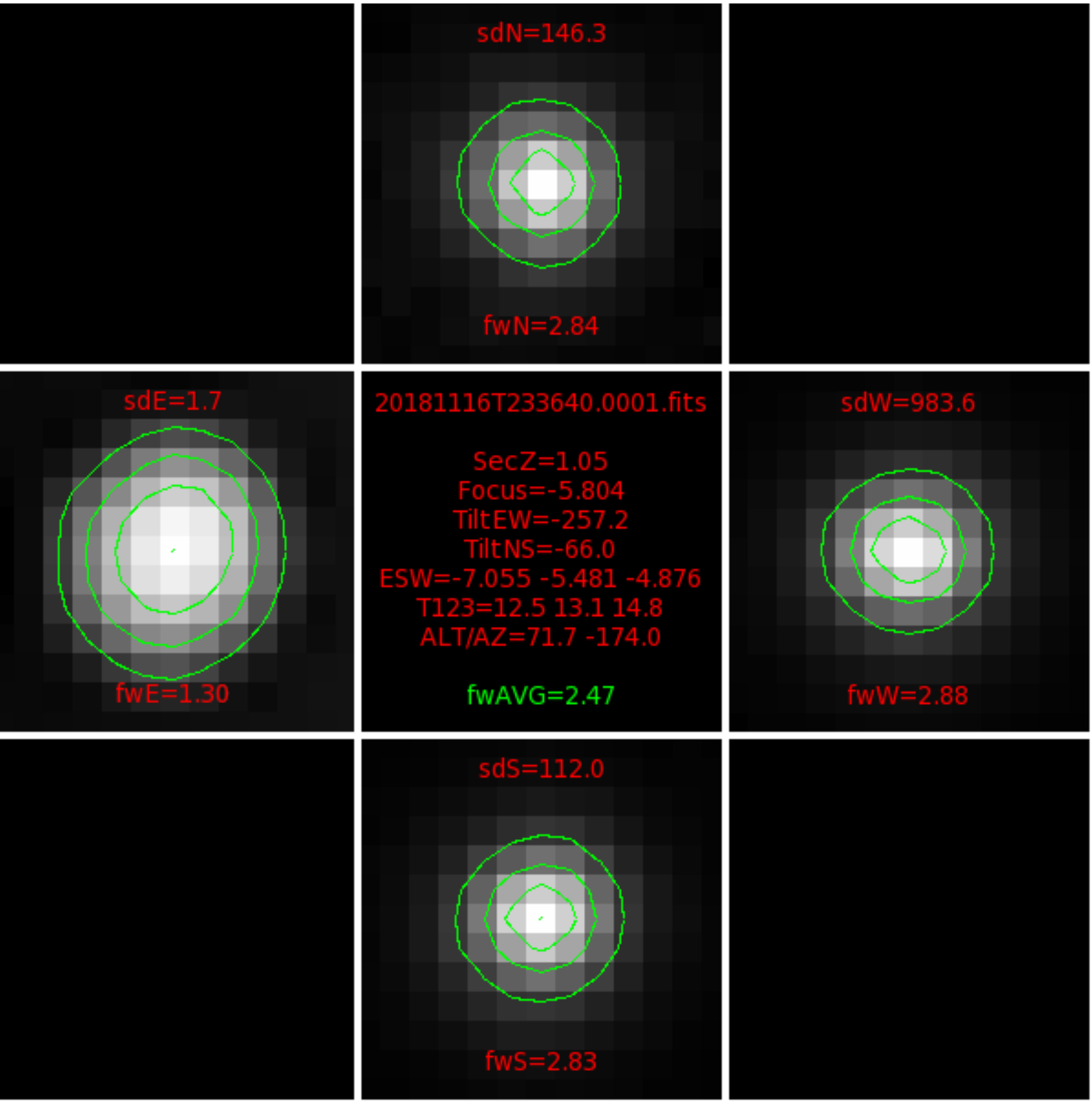

sdN=16.6
fwN=2.78
sdE=0.0
fwE=0.00
20181116T232853.0001.fits
SecZ=1.51
Focus=-5.817
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.068 -5.494 -4.889
T123=12.5 13.2 14.9
ALT/AZ=41.6 -145.9
sdW=34.1
fwW=3.09
sdS=79.7
fwS=3.32
0 0 0 0 0 0 0 0 0

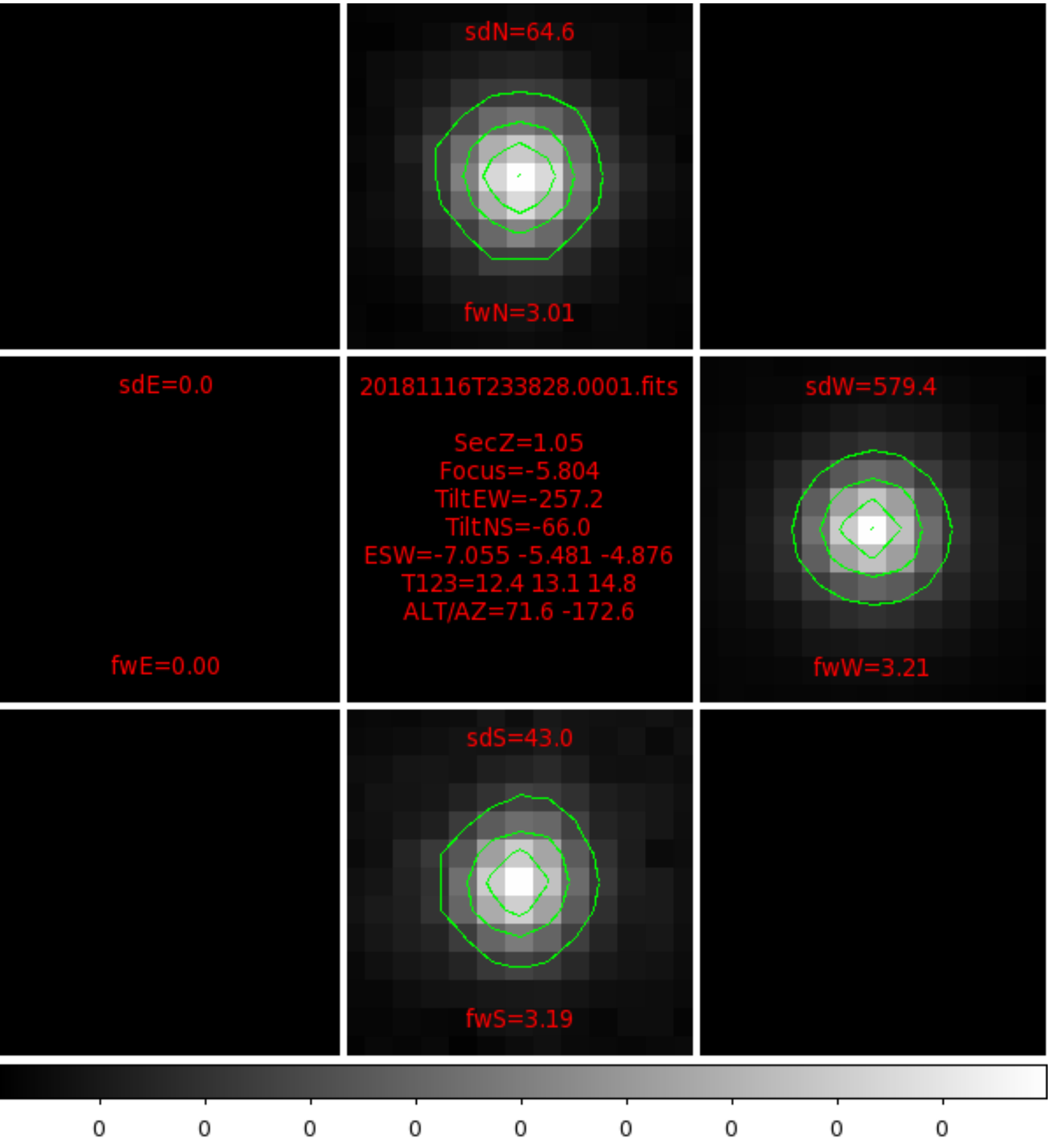

sdN=18.6
fwN=3.06
sdE=0.0
fwE=0.00
20181116T233017.0001.fits
SecZ=1.51
Focus=-5.810
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.061 -5.487 -4.882
T123=12.5 13.1 15.0
ALT/AZ=41.4 -145.5
sdW=41.0
fwW=2.79
sdS=90.9
fwS=3.40
0 0 0 0 0 0 0 0 0

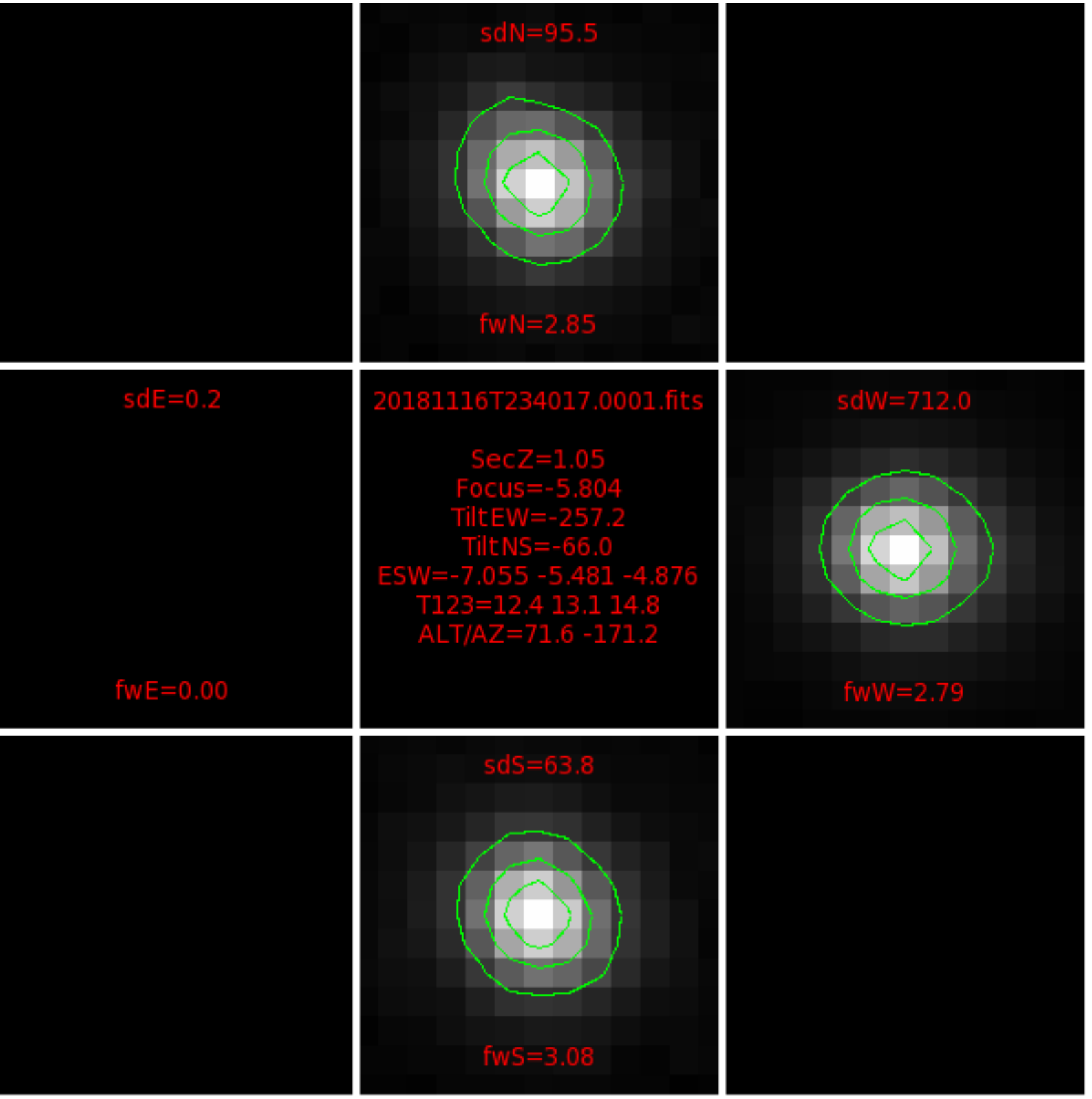

sdN=20.2
fwN=3.17
sdE=0.0
fwE=0.00
20181116T233140.0001.fits
SecZ=1.52
Focus=-5.817
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.068 -5.494 -4.889
T123=12.4 13.1 14.9
ALT/AZ=41.2 -145.1
sdW=47.9
fwW=3.06
sdS=99.7
fwS=3.17
0 0 0 0 0 0 0 0 0

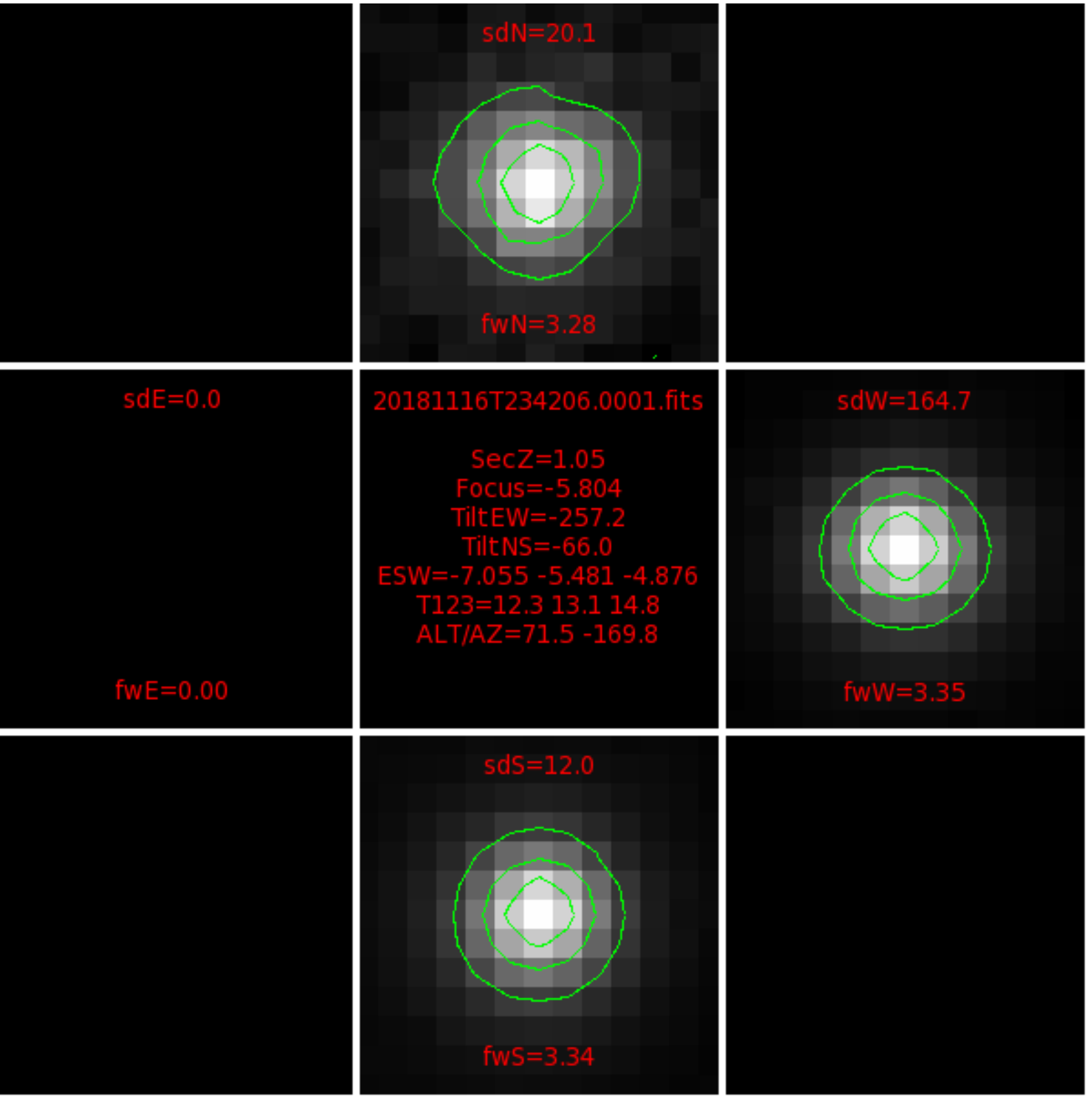

sdN=18.0
fwN=2.84
sdE=0.0
fwE=0.00
20181116T233302.0001.fits
SecZ=1.05
Focus=-5.817
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.068 -5.494 -4.889
T123=12.5 13.2 14.9
ALT/AZ=71.7 -176.8
sdW=42.2
fwW=2.88
sdS=78.1
fwS=3.08
0 0 0 0 0 0 0 0 0

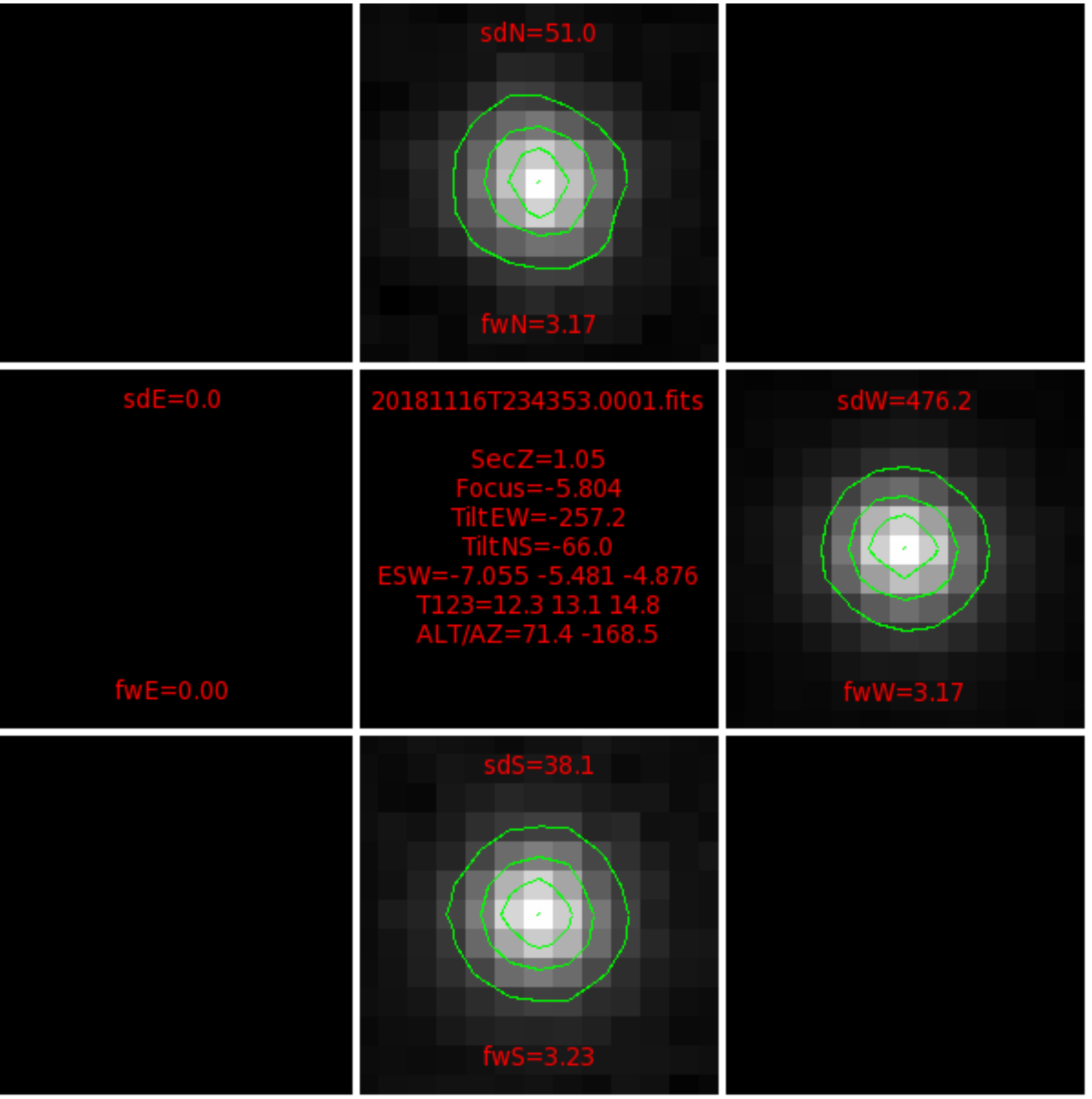

sdN=145.5
fwN=2.99
sdE=1.2
fwE=1.12
20181116T233451.0001.fits
SecZ=1.05
Focus=-5.810
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.061 -5.487 -4.882
T123=12.5 13.2 14.8
ALT/AZ=71.7 -175.4
fwAVG=2.54
sdW=898.7
fwW=3.02
sdS=75.9
fwS=3.11
0 0 0 0 0 0 0 0 0

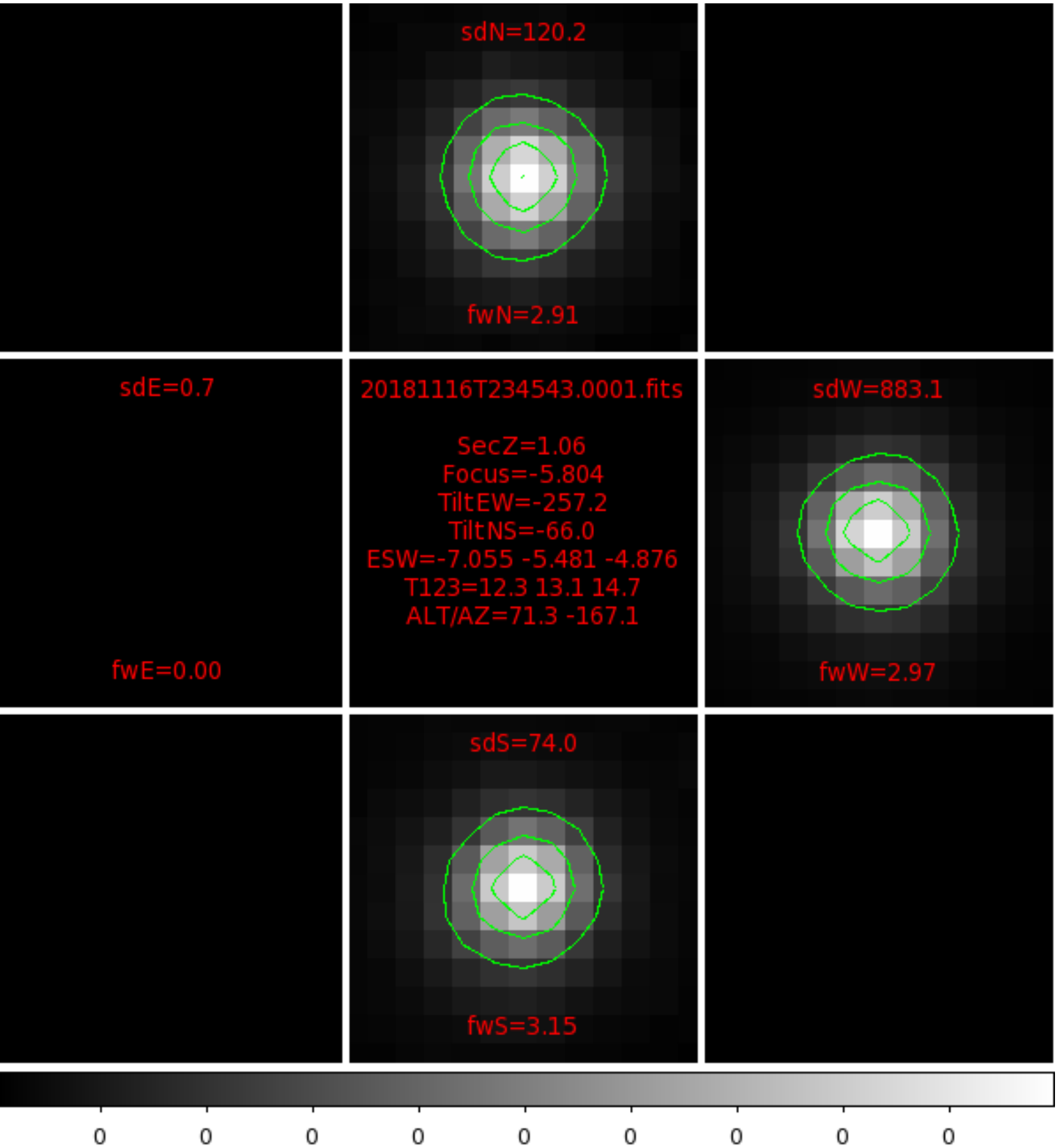

sdN=146.3
fwN=2.84
sdE=1.7
fwE=1.30
20181116T233640.0001.fits
SecZ=1.05
Focus=-5.804
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.055 -5.481 -4.876
T123=12.5 13.1 14.8
ALT/AZ=71.7 -174.0
fwAVG=2.47
sdW=983.6
fwW=2.88
sdS=112.0
fwS=2.83
0 0 0 0 0 0 0 0 0

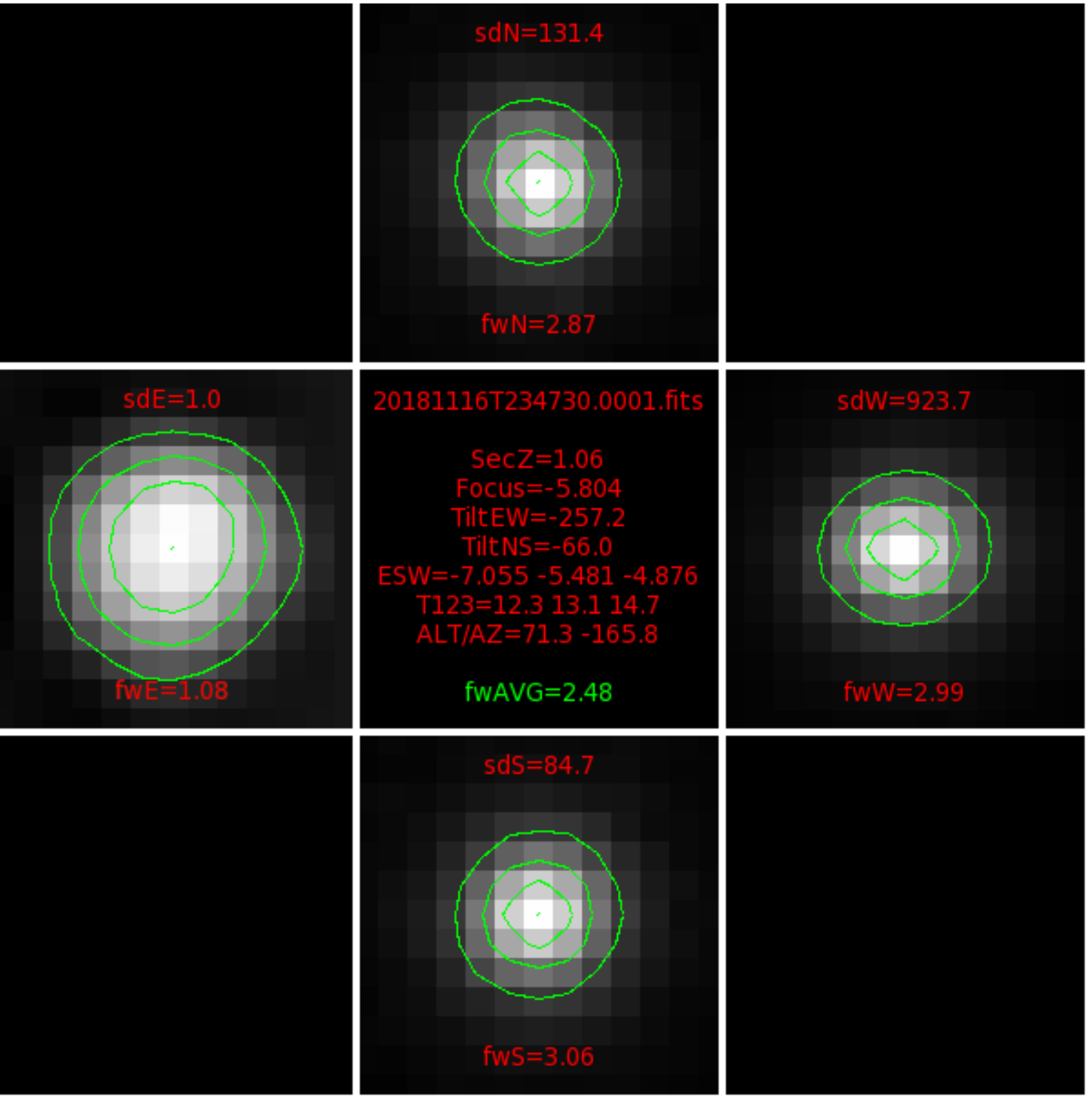

sdN=64.6
fwN=3.01
sdE=0.0
fwE=0.00
20181116T233828.0001.fits
SecZ=1.05
Focus=-5.804
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.055 -5.481 -4.876
T123=12.4 13.1 14.8
ALT/AZ=71.6 -172.6
sdW=579.4
fwW=3.21
sdS=43.0
fwS=3.19
0 0 0 0 0 0 0 0 0

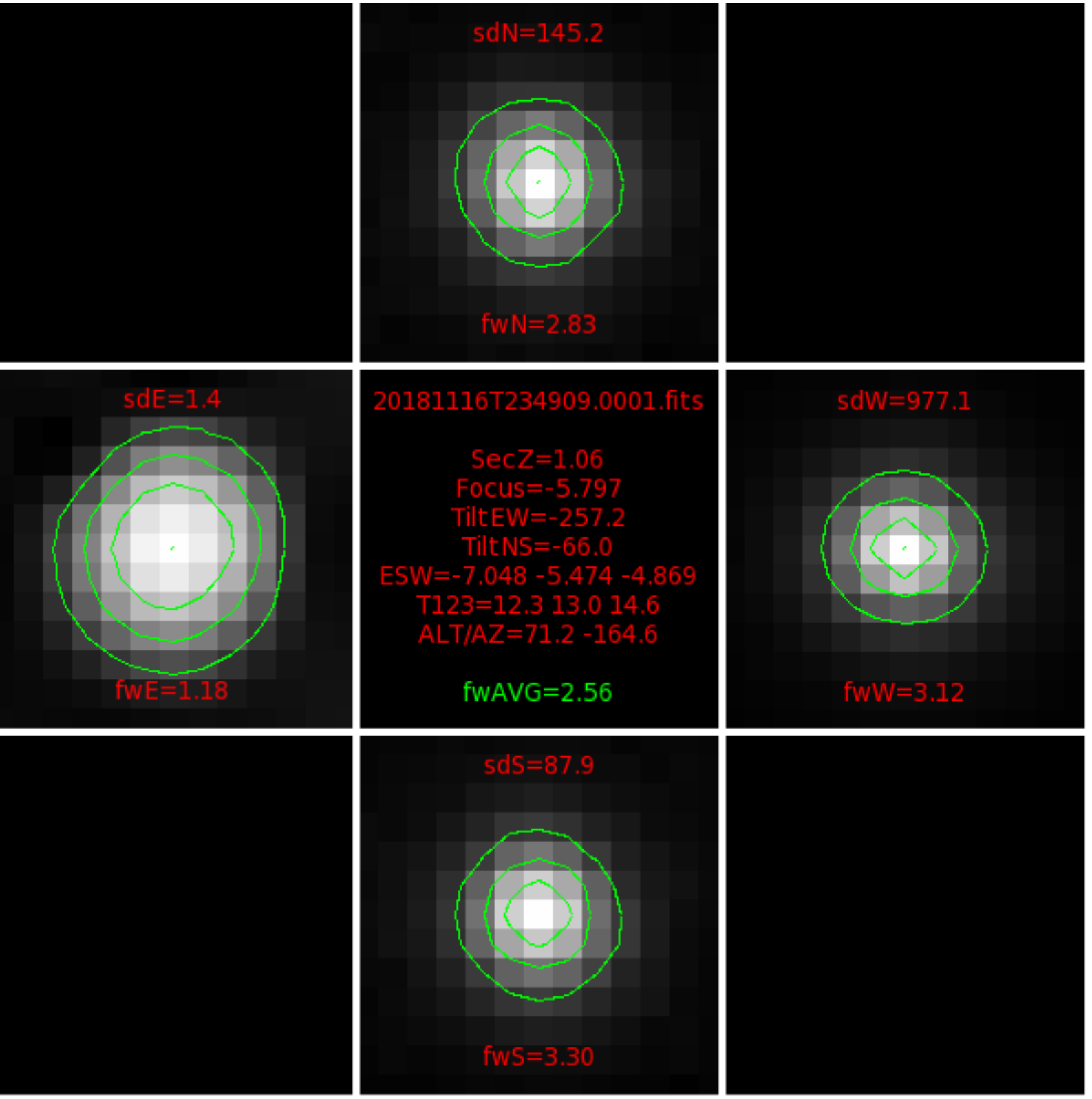

sdN=95.5
fwN=2.85
sdE=0.2
fwE=0.00
20181116T234017.0001.fits
SecZ=1.05
Focus=-5.804
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.055 -5.481 -4.876
T123=12.4 13.1 14.8
ALT/AZ=71.6 -171.2
sdW=712.0
fwW=2.79
sdS=63.8
fwS=3.08
0 0 0 0 0 0 0 0 0

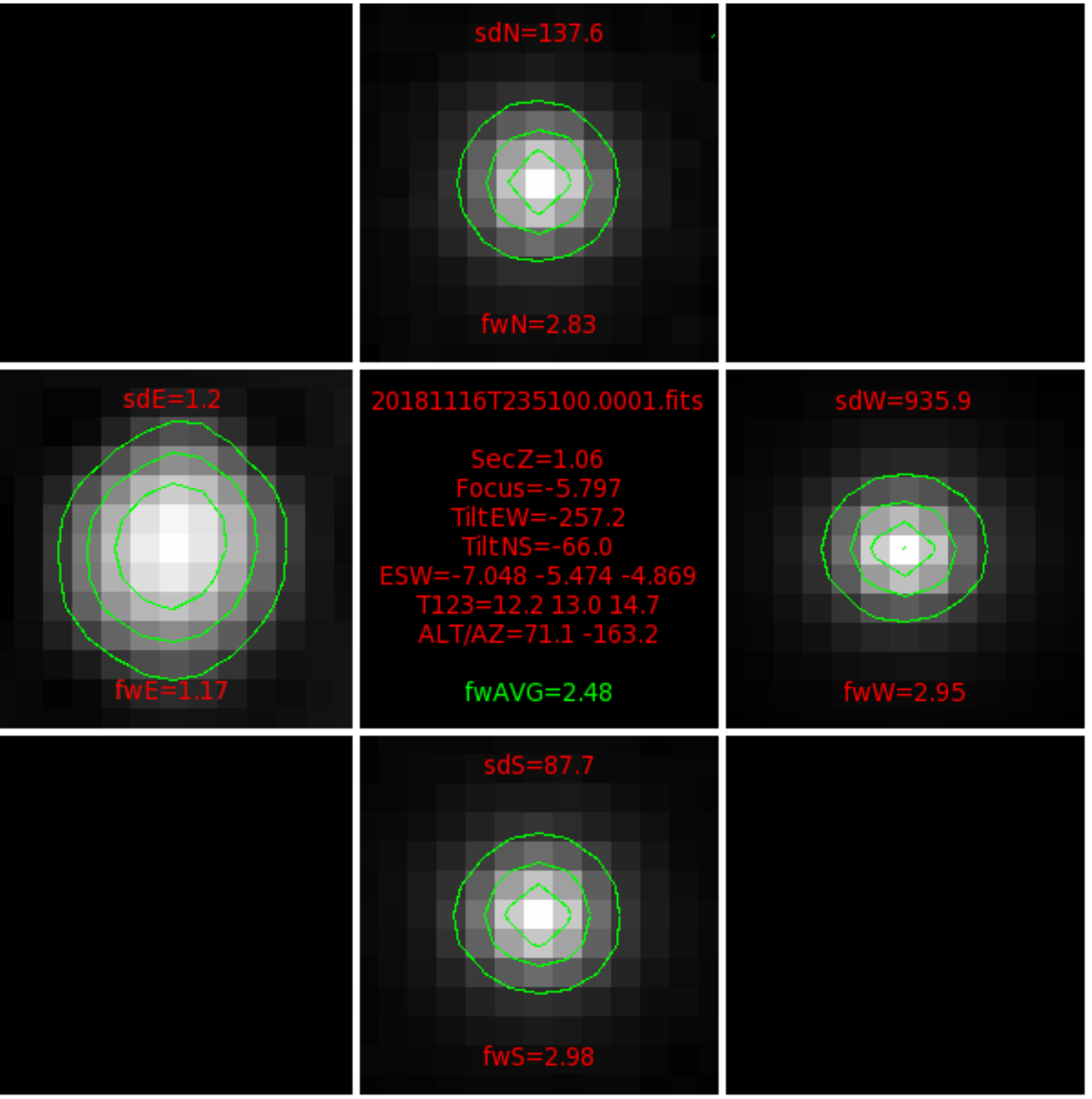

sdN=20.1
fwN=3.28
sdE=0.0
fwE=0.00
20181116T234206.0001.fits
SecZ=1.05
Focus=-5.804
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.055 -5.481 -4.876
T123=12.3 13.1 14.8
ALT/AZ=71.5 -169.8
sdW=164.7
fwW=3.35
sdS=12.0
fwS=3.34
0 0 0 0 0 0 0 0 0

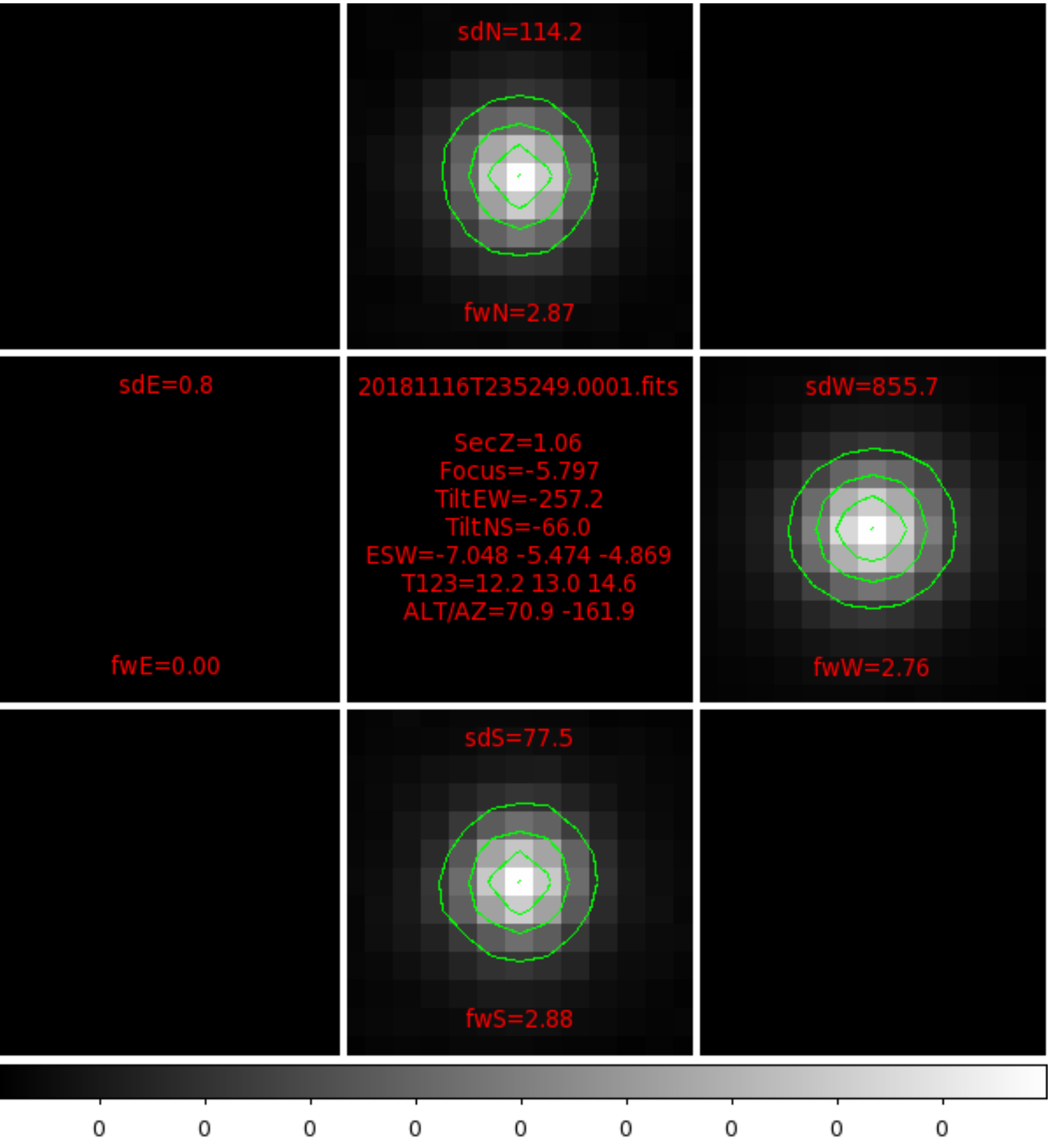

sdN=51.0
fwN=3.17
sdE=0.0
fwE=0.00
20181116T234353.0001.fits
SecZ=1.05
Focus=-5.804
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.055 -5.481 -4.876
T123=12.3 13.1 14.8
ALT/AZ=71.4 -168.5
sdW=476.2
fwW=3.17
sdS=38.1
fwS=3.23
0 0 0 0 0 0 0 0 0

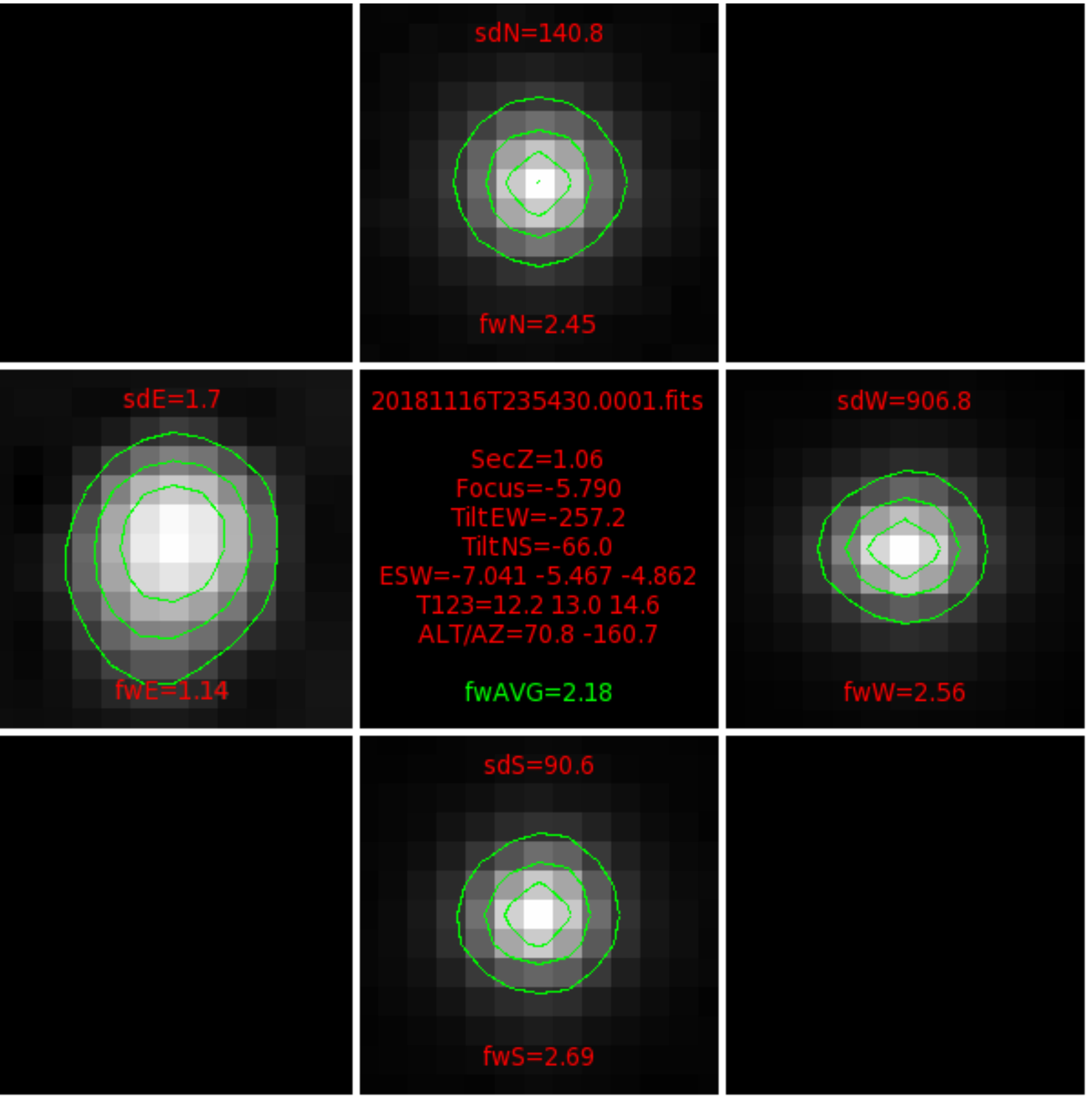

sdN=120.2
fwN=2.91
sdE=0.7
fwE=0.00
20181116T234543.0001.fits
SecZ=1.06
Focus=-5.804
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.055 -5.481 -4.876
T123=12.3 13.1 14.7
ALT/AZ=71.3 -167.1
sdW=883.1
fwW=2.97
sdS=74.0
fwS=3.15
0 0 0 0 0 0 0 0 0

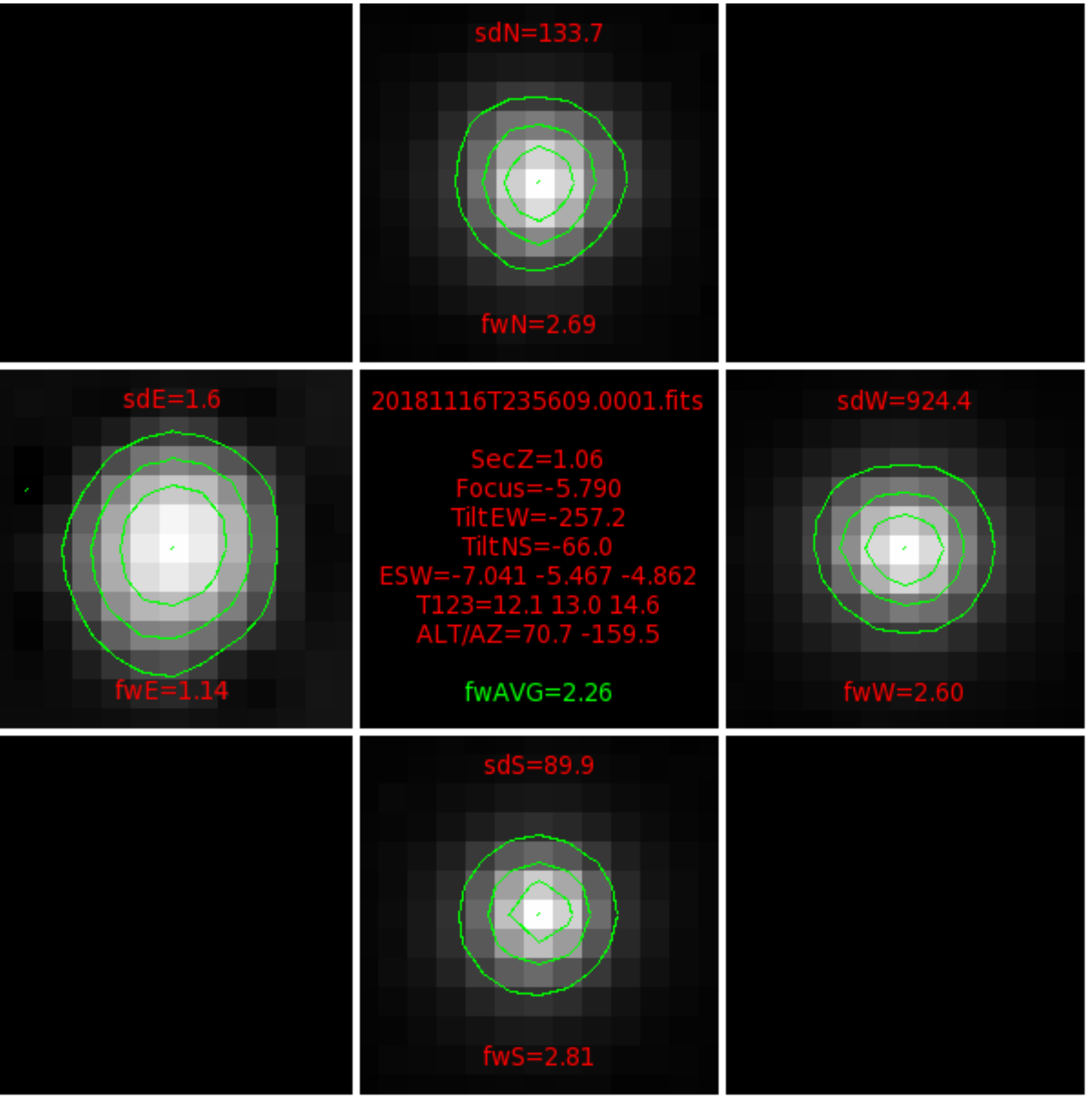

sdN=131.4
fwN=2.87
sdE=1.0
fwE=1.08
20181116T234730.0001.fits
SecZ=1.06
Focus=-5.804
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.055 -5.481 -4.876
T123=12.3 13.1 14.7
ALT/AZ=71.3 -165.8
fwAVG=2.48
sdW=923.7
fwW=2.99
sdS=84.7
fwS=3.06
0 0 0 0 0 0 0 0 0

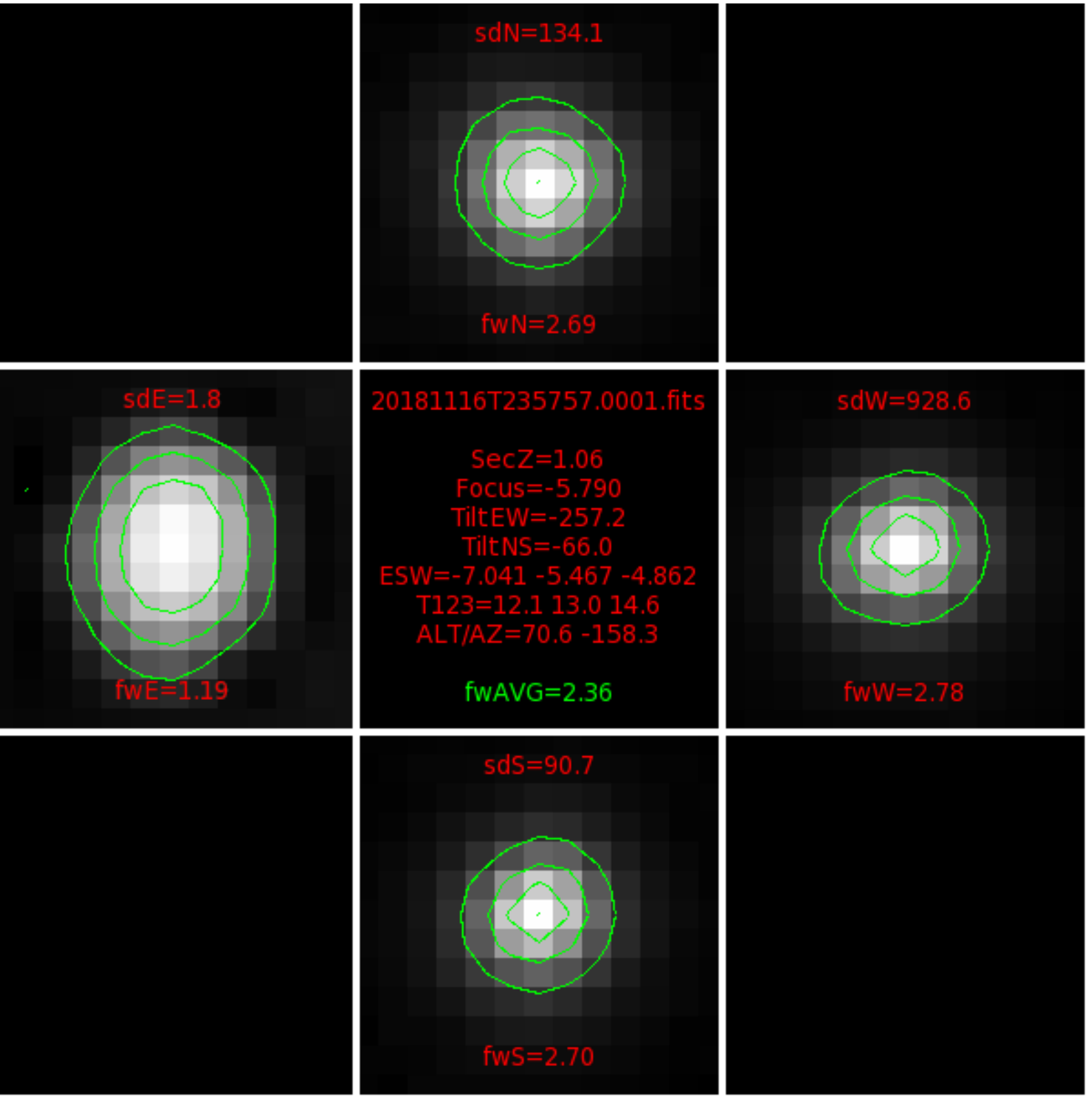

sdN=145.2
fwN=2.83
sdE=1.4
fwE=1.18
20181116T234909.0001.fits
SecZ=1.06
Focus=-5.797
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.048 -5.474 -4.869
T123=12.3 13.0 14.6
ALT/AZ=71.2 -164.6
fwAVG=2.56
sdW=977.1
fwW=3.12
sdS=87.9
fwS=3.30
0 0 0 0 0 0 0 0 0

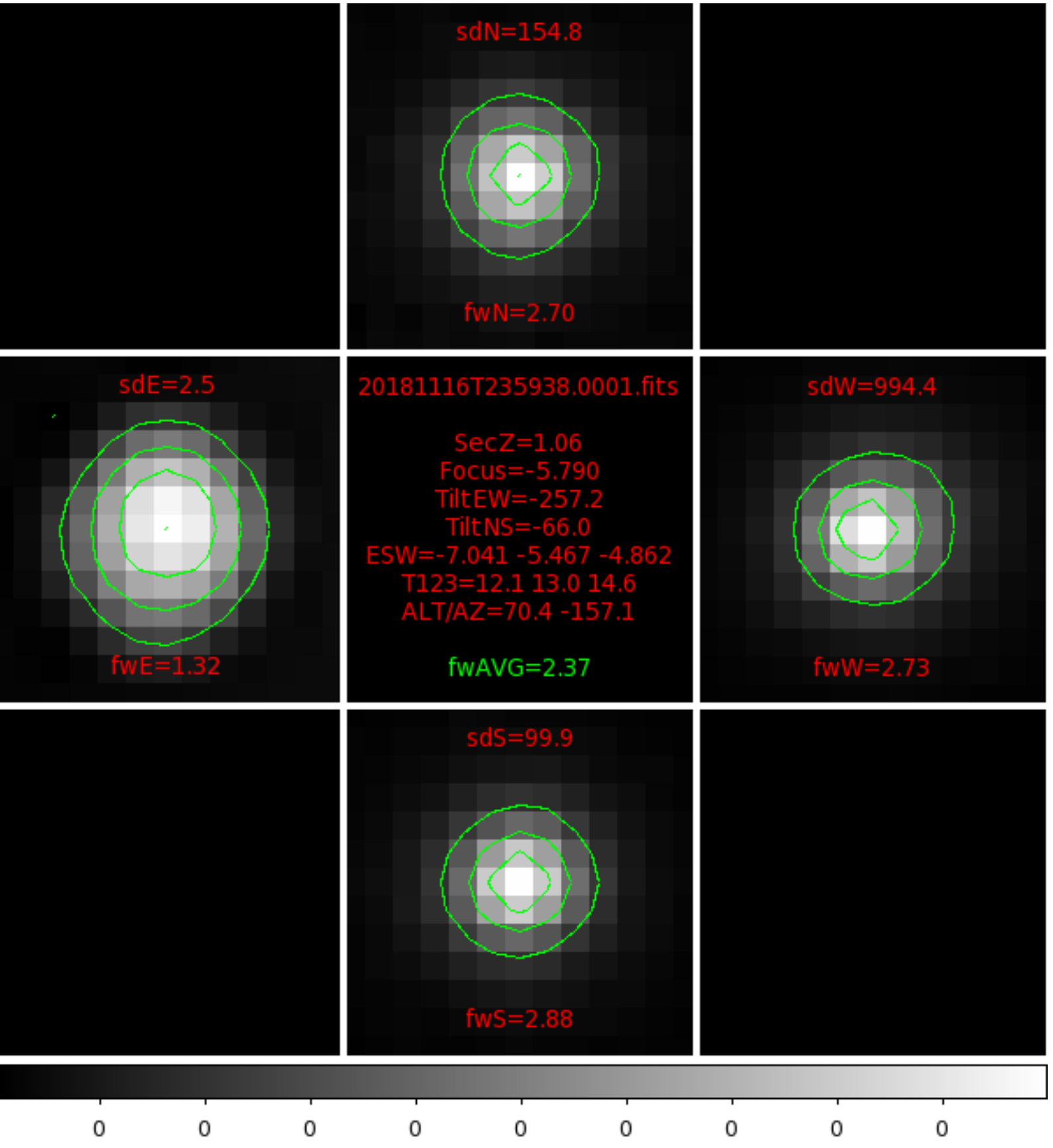

sdN=137.6
fwN=2.83
sdE=1.2
fwE=1.17
20181116T235100.0001.fits
SecZ=1.06
Focus=-5.797
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.048 -5.474 -4.869
T123=12.2 13.0 14.7
ALT/AZ=71.1 -163.2
fwAVG=2.48
sdW=935.9
fwW=2.95
sdS=87.7
fwS=2.98
0 0 0 0 0 0 0 0 0

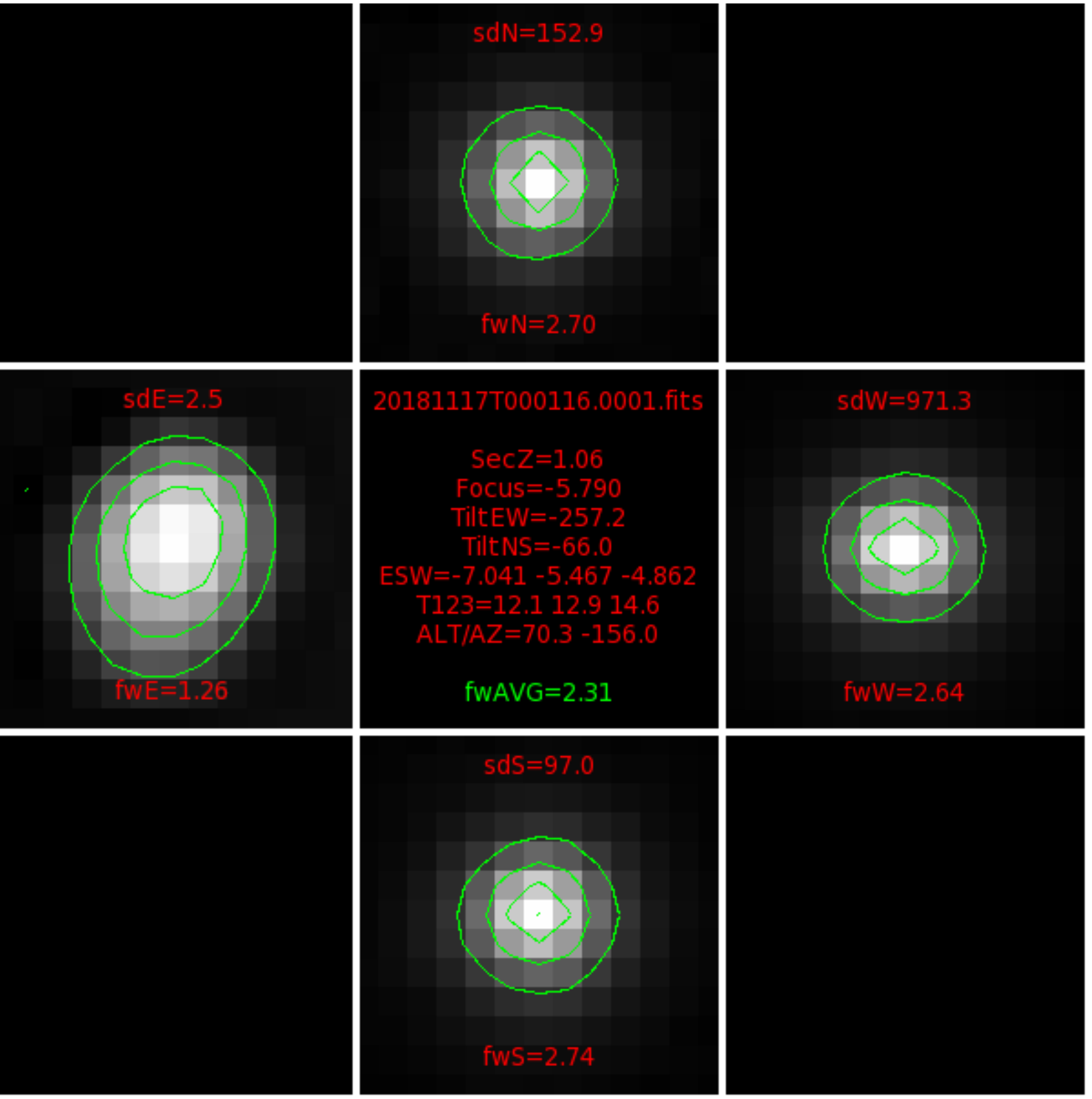

sdN=114.2
fwN=2.87
sdE=0.8
fwE=0.00
20181116T235249.0001.fits
SecZ=1.06
Focus=-5.797
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.048 -5.474 -4.869
T123=12.2 13.0 14.6
ALT/AZ=70.9 -161.9
sdW=855.7
fwW=2.76
sdS=77.5
fwS=2.88
0 0 0 0 0 0 0 0 0

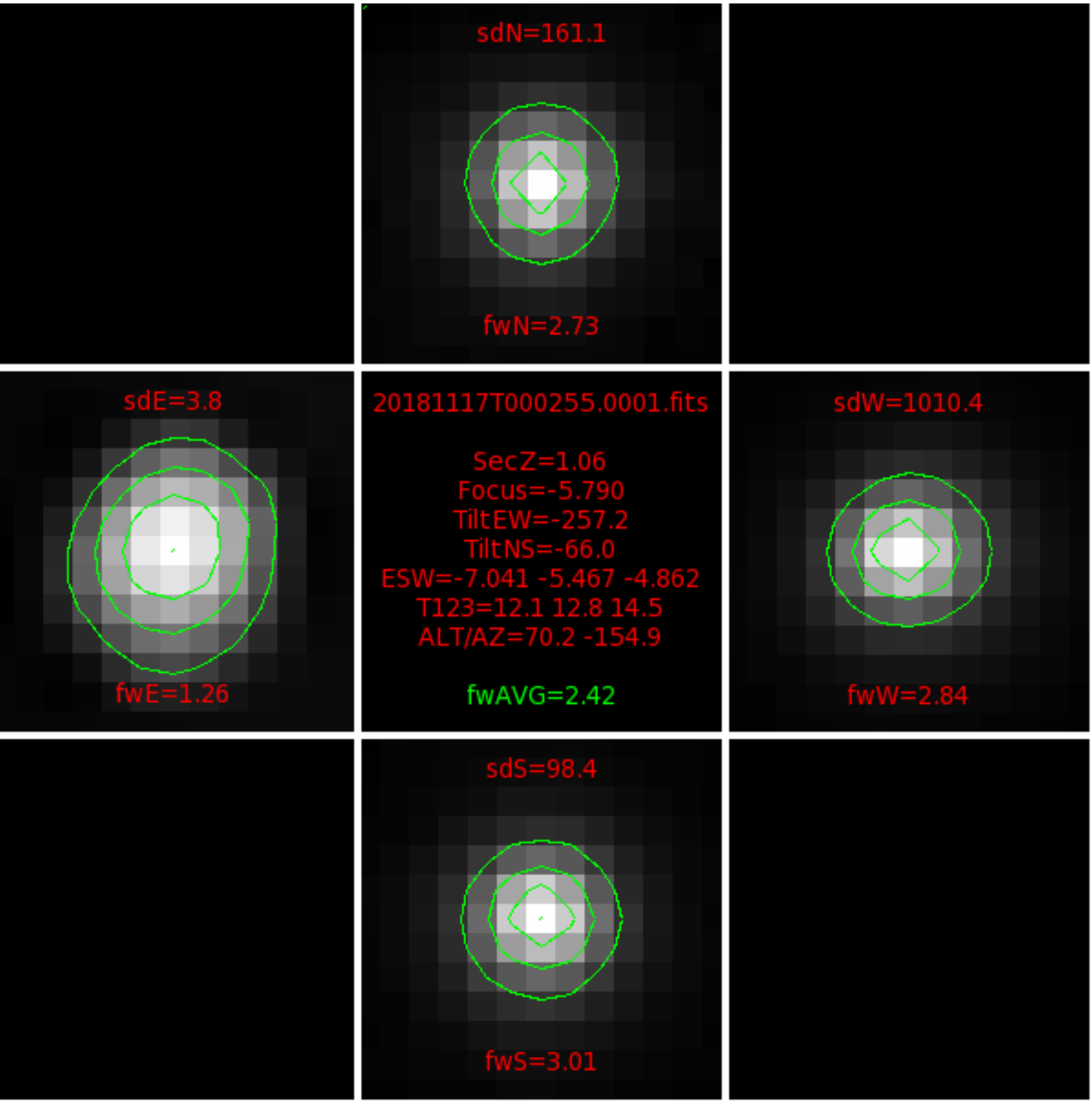

sdN=140.8
fwN=2.45
sdE=1.7
fwE=1.14
20181116T235430.0001.fits
SecZ=1.06
Focus=-5.790
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.041 -5.467 -4.862
T123=12.2 13.0 14.6
ALT/AZ=70.8 -160.7
fwAVG=2.18
sdW=906.8
fwW=2.56
sdS=90.6
fwS=2.69
0 0 0 0 0 0 0 0 0

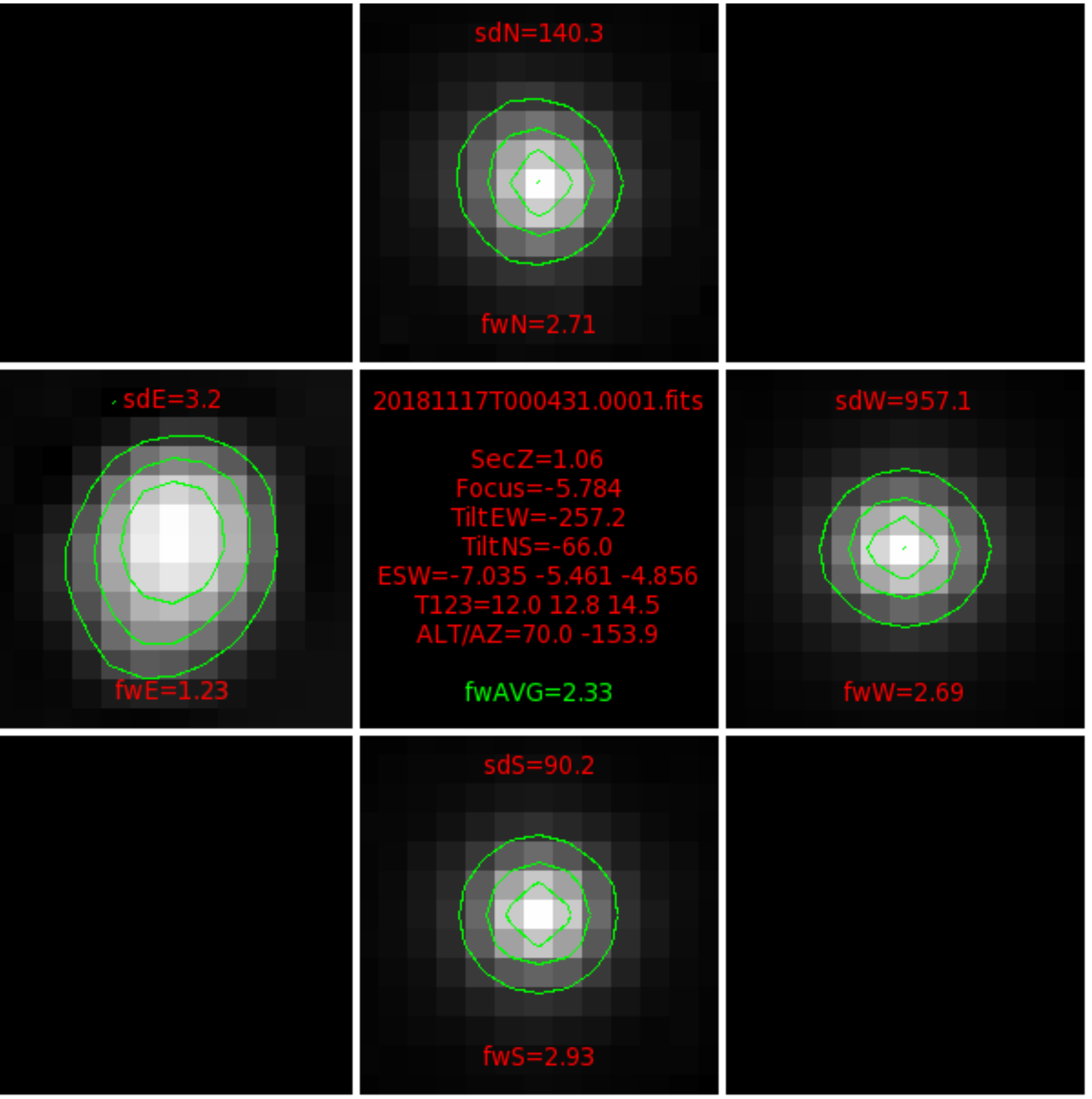

sdN=133.7
fwN=2.69
sdE=1.6
fwE=1.14
20181116T235609.0001.fits
SecZ=1.06
Focus=-5.790
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.041 -5.467 -4.862
T123=12.1 13.0 14.6
ALT/AZ=70.7 -159.5
fwAVG=2.26
sdW=924.4
fwW=2.60
sdS=89.9
fwS=2.81
0 0 0 0 0 0 0 0 0

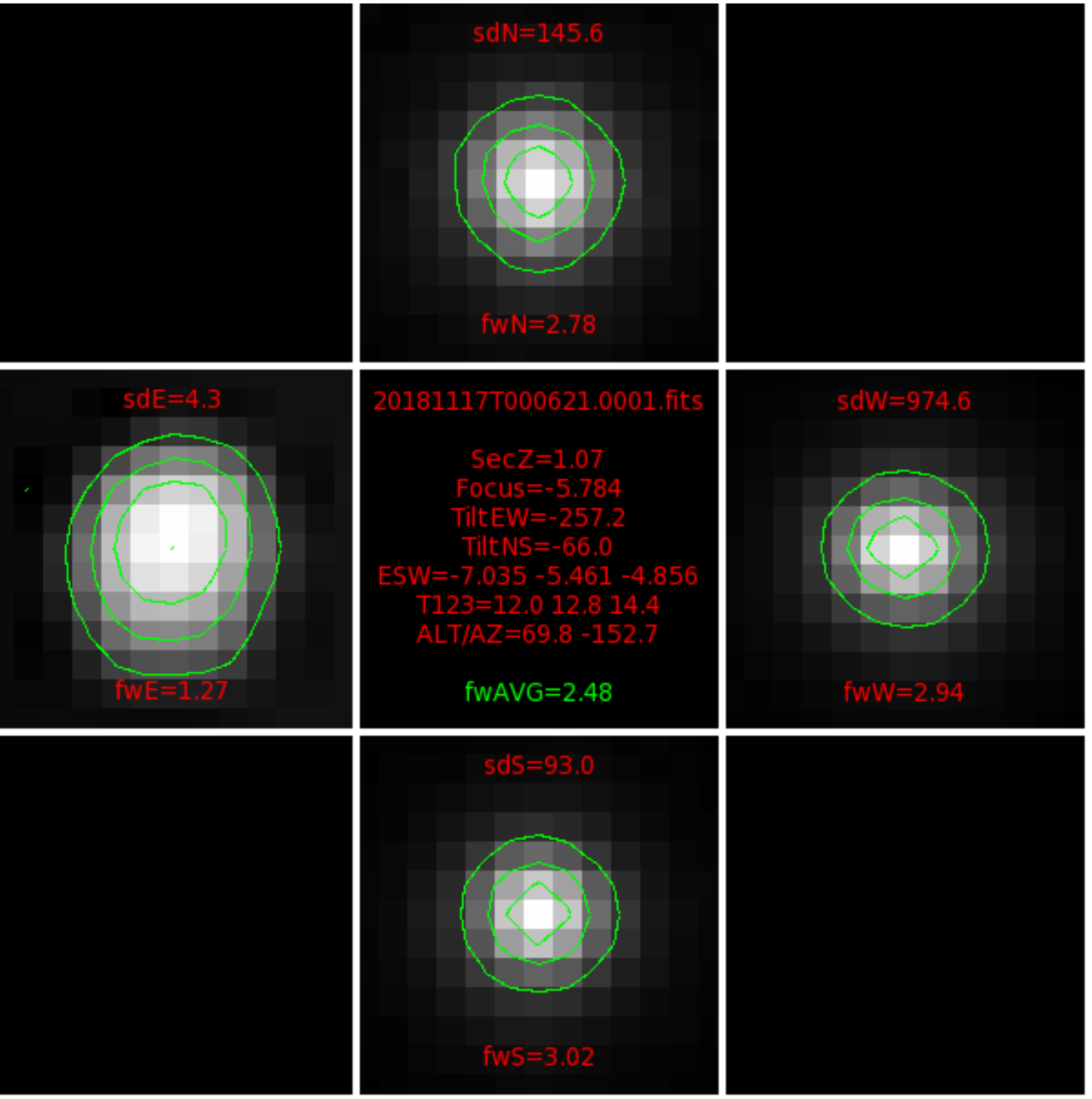

sdN=134.1
fwN=2.69
sdE=1.8
fwE=1.19
20181116T235757.0001.fits
SecZ=1.06
Focus=-5.790
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.041 -5.467 -4.862
T123=12.1 13.0 14.6
ALT/AZ=70.6 -158.3
fwAVG=2.36
sdW=928.6
fwW=2.78
sdS=90.7
fwS=2.70
0 0 0 0 0 0 0 0 0

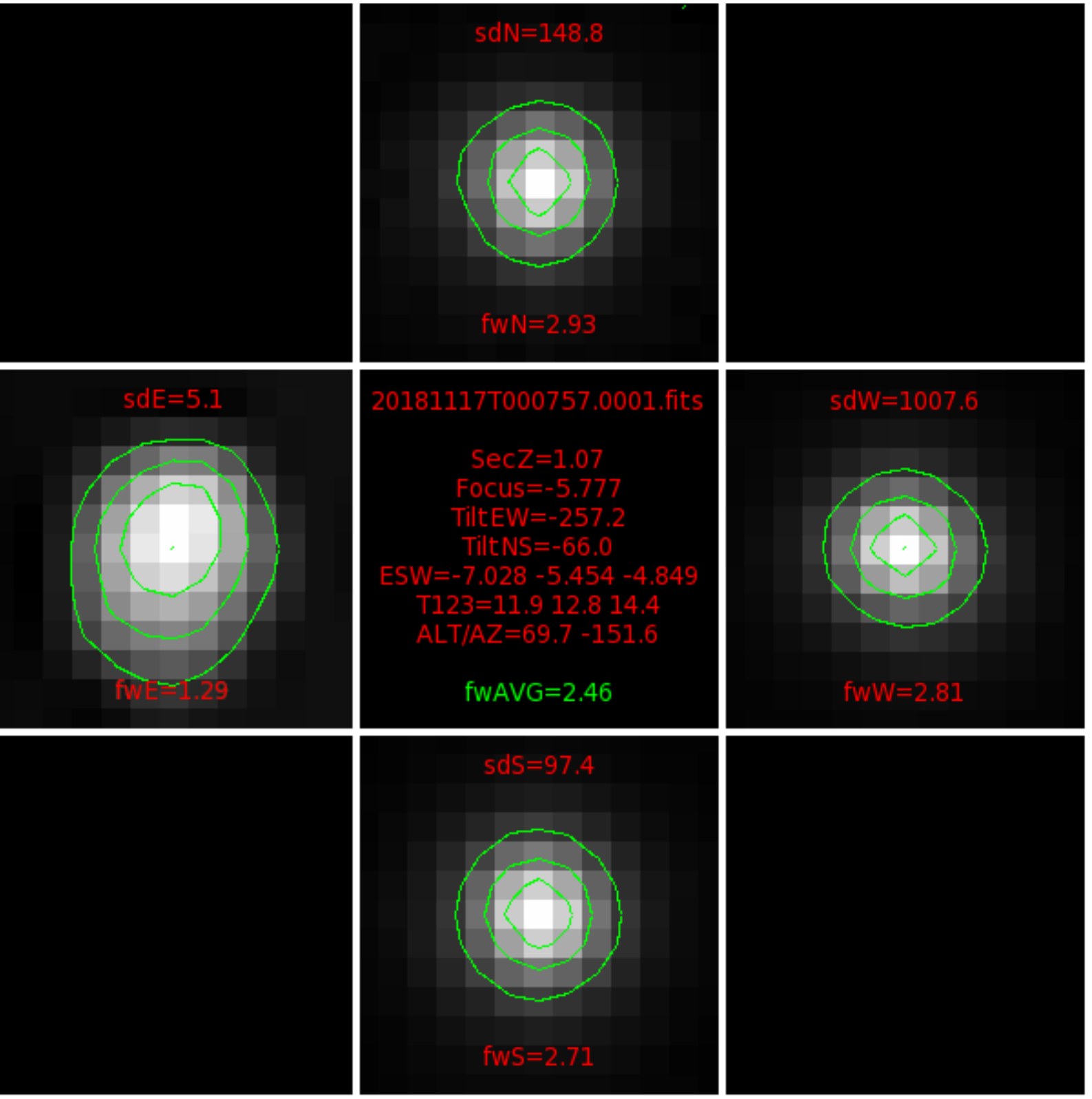

sdN=154.8
fwN=2.70
sdE=2.5
fwE=1.32
20181116T235938.0001.fits
SecZ=1.06
Focus=-5.790
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.041 -5.467 -4.862
T123=12.1 13.0 14.6
ALT/AZ=70.4 -157.1
fwAVG=2.37
sdW=994.4
fwW=2.73
sdS=99.9
fwS=2.88
0 0 0 0 0 0 0 0 0

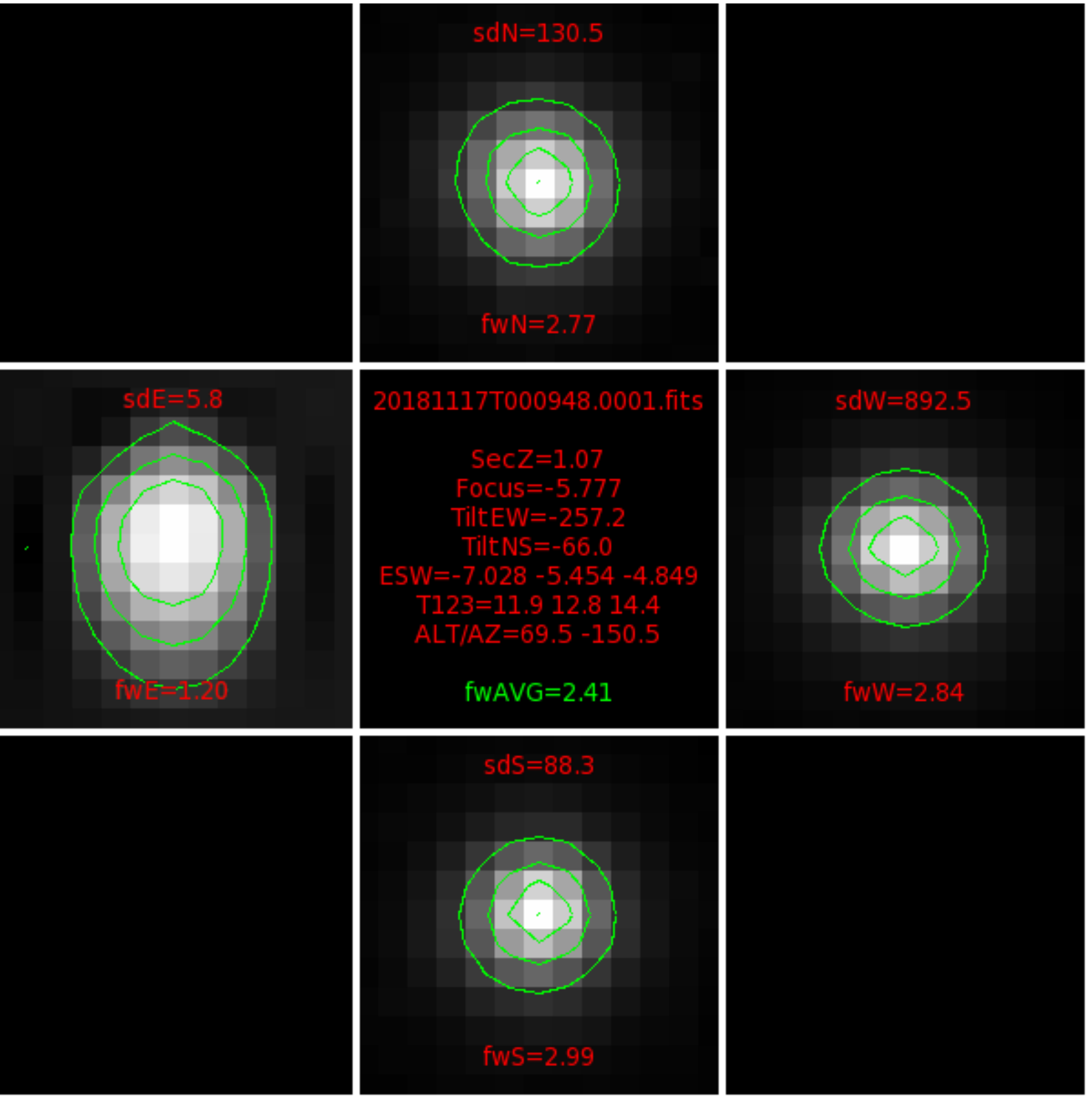

sdN=152.9
fwN=2.70
sdE=2.5
fwE=1.26
20181117T000116.0001.fits
SecZ=1.06
Focus=-5.790
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.041 -5.467 -4.862
T123=12.1 12.9 14.6
ALT/AZ=70.3 -156.0
fwAVG=2.31
sdW=971.3
fwW=2.64
sdS=97.0
fwS=2.74
0 0 0 0 0 0 0 0 0

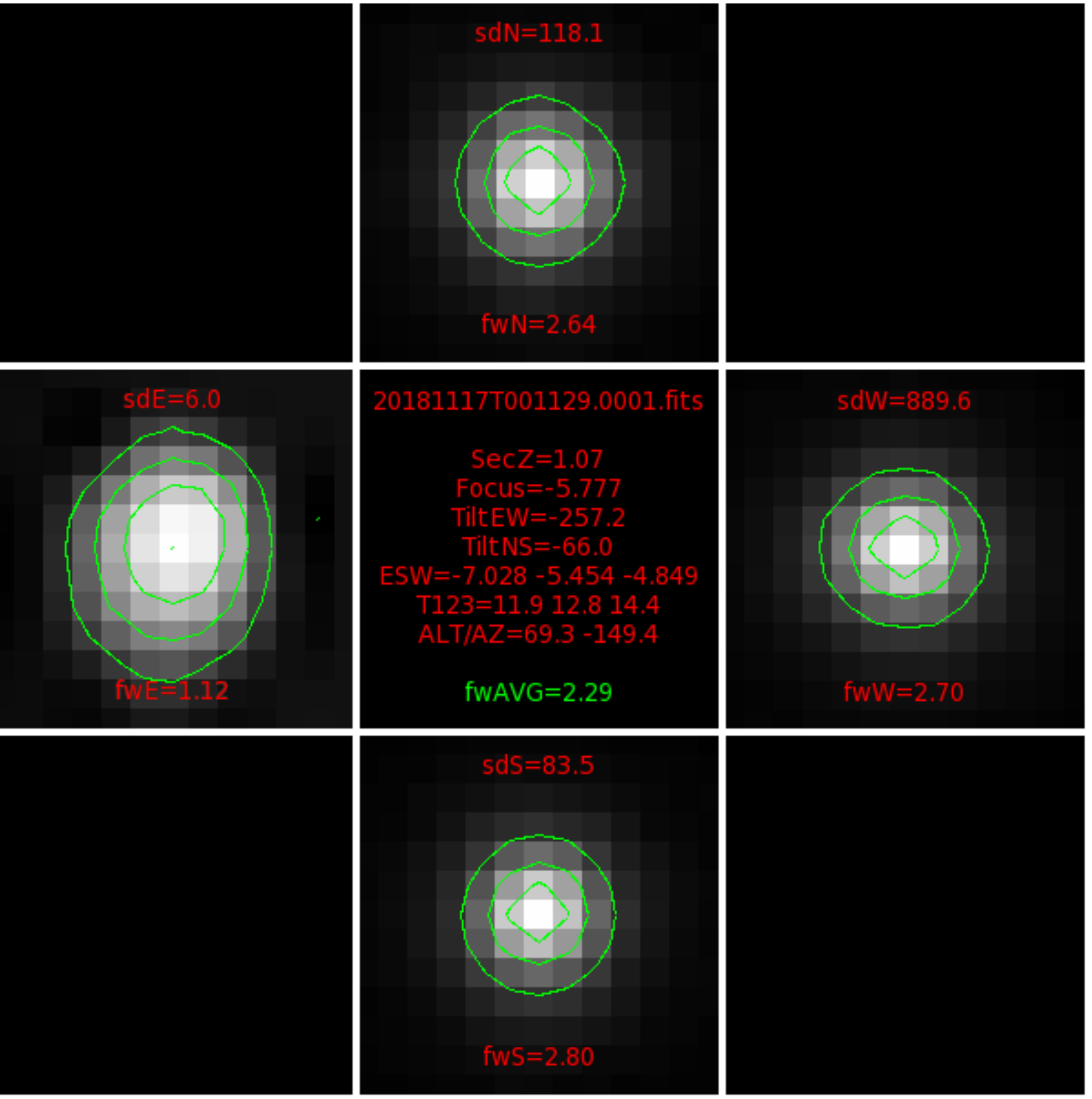

sdN=161.1
fwN=2.73
sdE=3.8
fwE=1.26
20181117T000255.0001.fits
SecZ=1.06
Focus=-5.790
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.041 -5.467 -4.862
T123=12.1 12.8 14.5
ALT/AZ=70.2 -154.9
fwAVG=2.42
sdW=1010.4
fwW=2.84
sdS=98.4
fwS=3.01
0 0 0 0 0 0 0 0 0

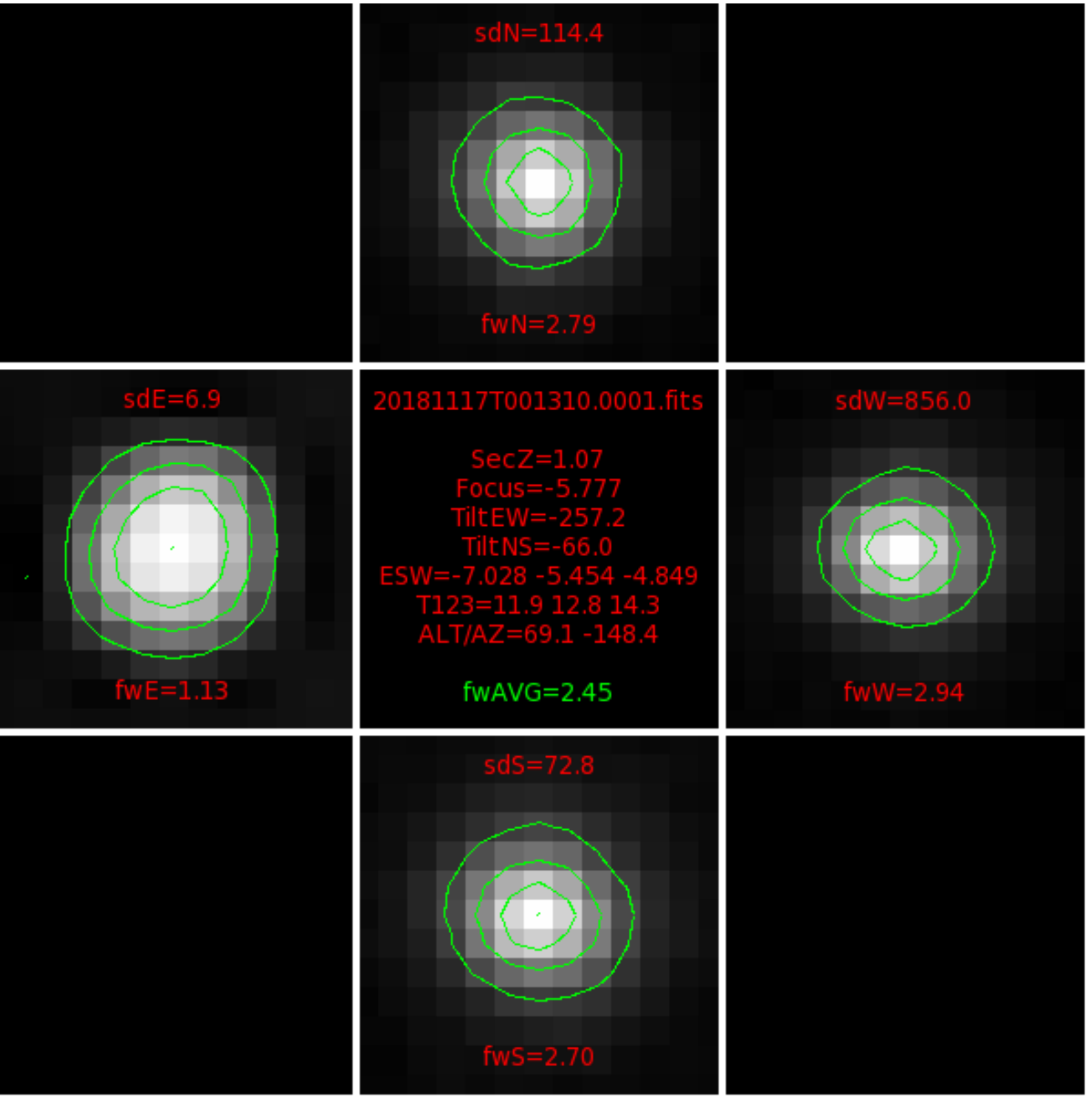

sdN=140.3
fwN=2.71
sdE=3.2
fwE=1.23
20181117T000431.0001.fits
SecZ=1.06
Focus=-5.784
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.035 -5.461 -4.856
T123=12.0 12.8 14.5
ALT/AZ=70.0 -153.9
fwAVG=2.33
sdW=957.1
fwW=2.69
sdS=90.2
fwS=2.93
0 0 0 0 0 0 0 0 0

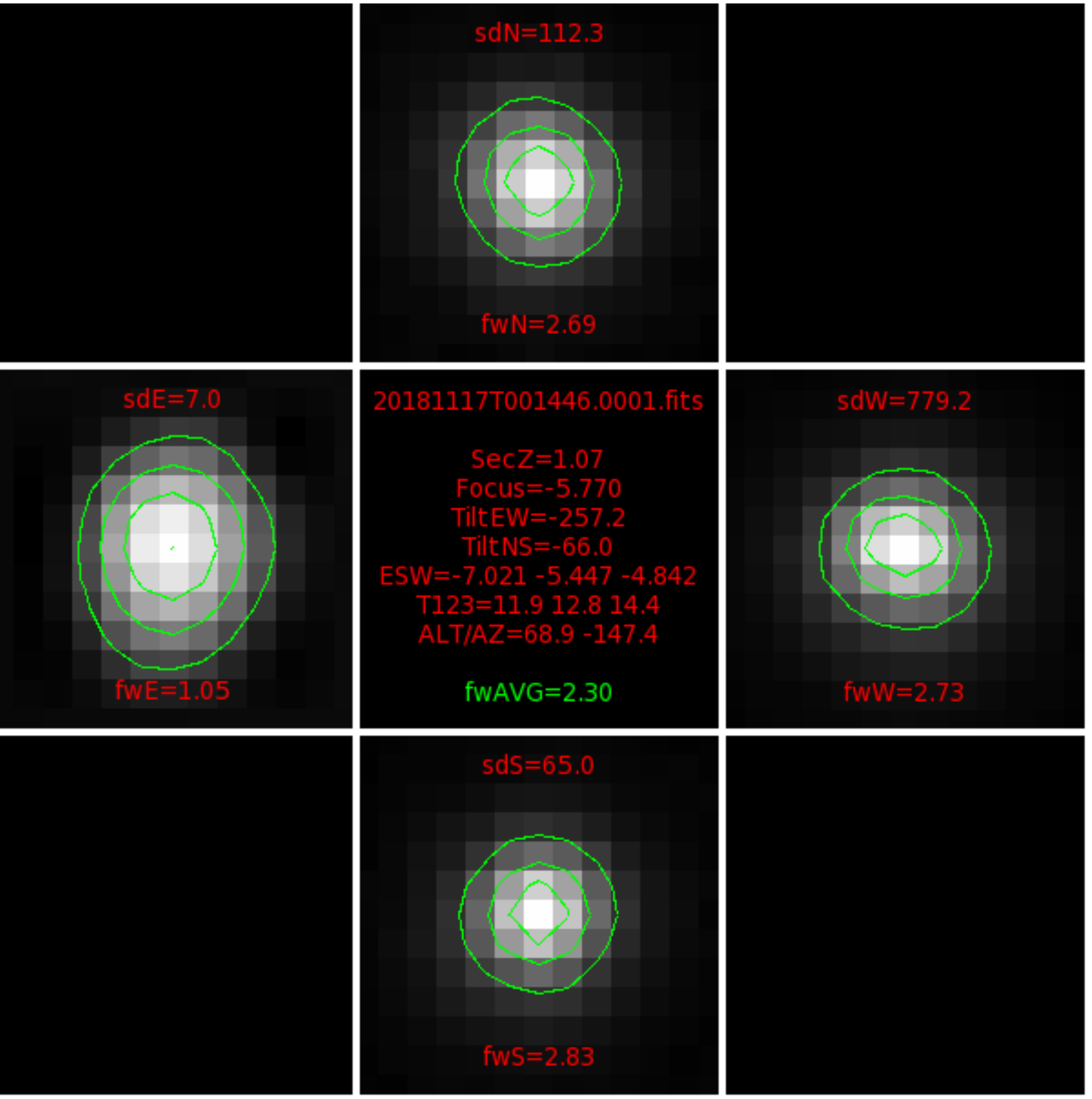

sdN=145.6
fwN=2.78
sdE=4.3
fwE=1.27
20181117T000621.0001.fits
SecZ=1.07
Focus=-5.784
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.035 -5.461 -4.856
T123=12.0 12.8 14.4
ALT/AZ=69.8 -152.7
fwAVG=2.48
sdW=974.6
fwW=2.94
sdS=93.0
fwS=3.02
0 0 0 0 0 0 0 0 0

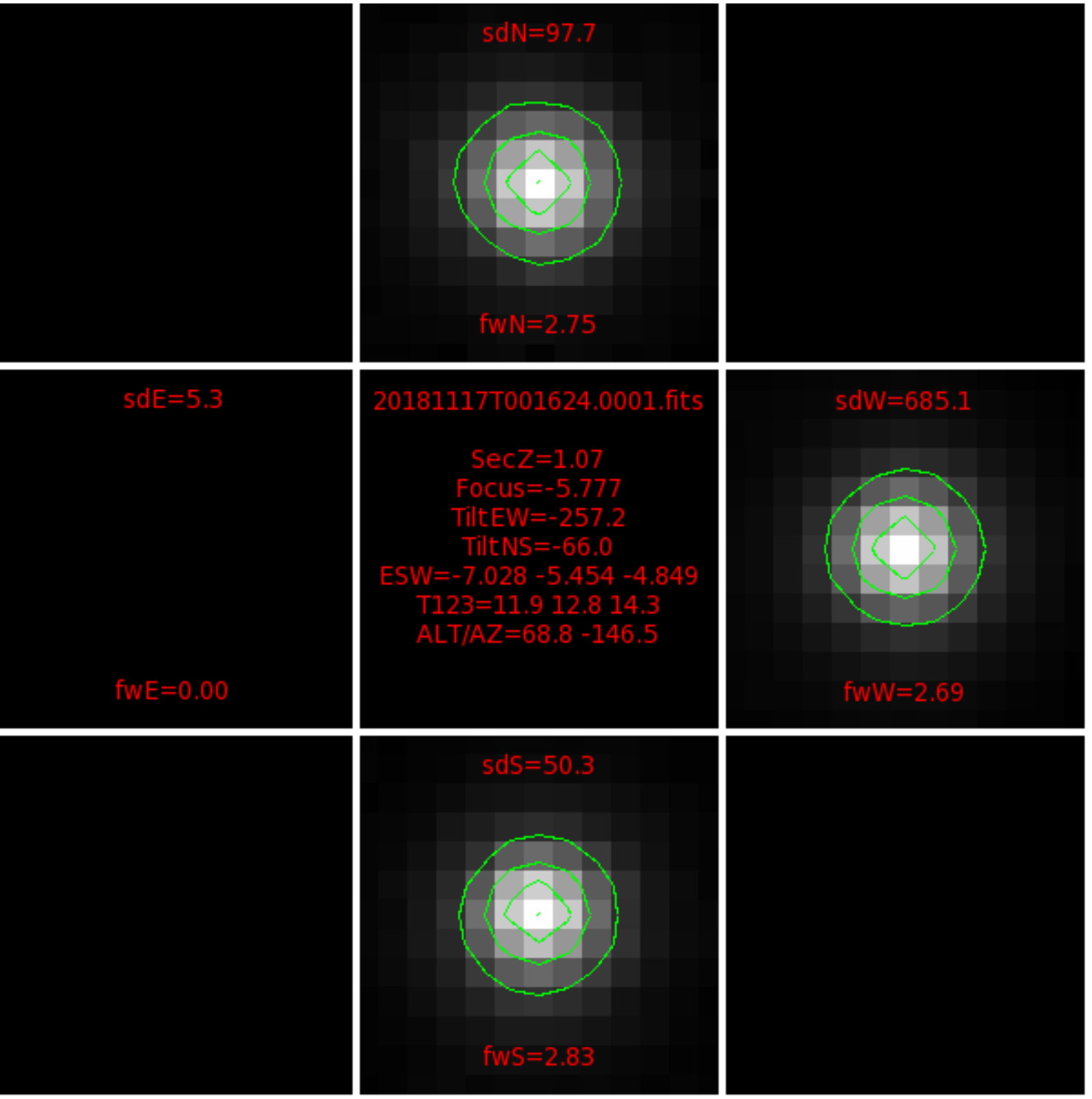

sdN=148.8
fwN=2.93
sdE=5.1
fwE=1.29
20181117T000757.0001.fits
SecZ=1.07
Focus=-5.777
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.028 -5.454 -4.849
T123=11.9 12.8 14.4
ALT/AZ=69.7 -151.6
fwAVG=2.46
sdW=1007.6
fwW=2.81
sdS=97.4
fwS=2.71
0 0 0 0 0 0 0 0 0

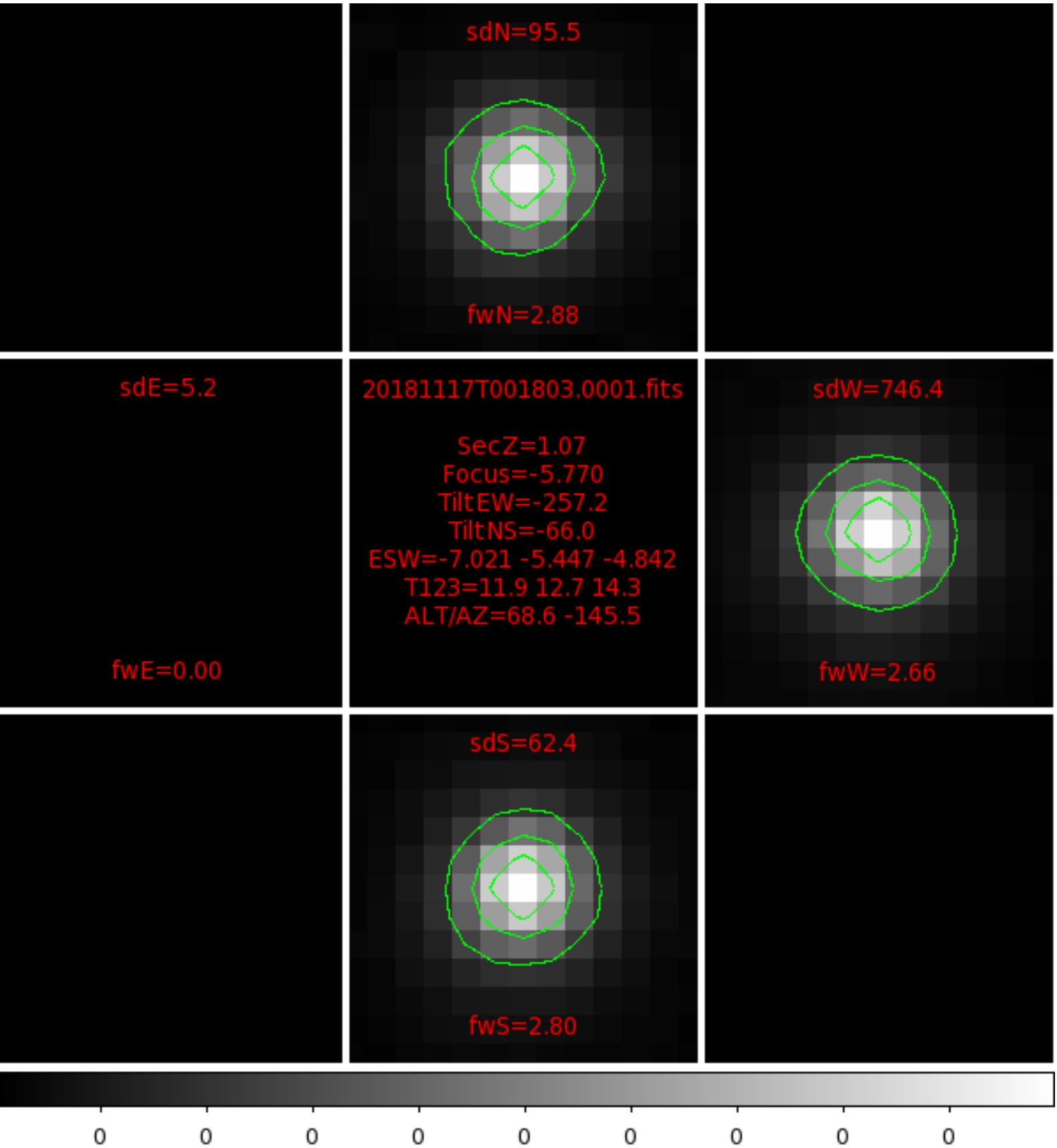

sdN=130.5
fwN=2.77
sdE=5.8
fwE=1.20
20181117T000948.0001.fits
SecZ=1.07
Focus=-5.777
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.028 -5.454 -4.849
T123=11.9 12.8 14.4
ALT/AZ=69.5 -150.5
fwAVG=2.41
sdW=892.5
fwW=2.84
sdS=88.3
fwS=2.99
0 0 0 0 0 0 0 0 0

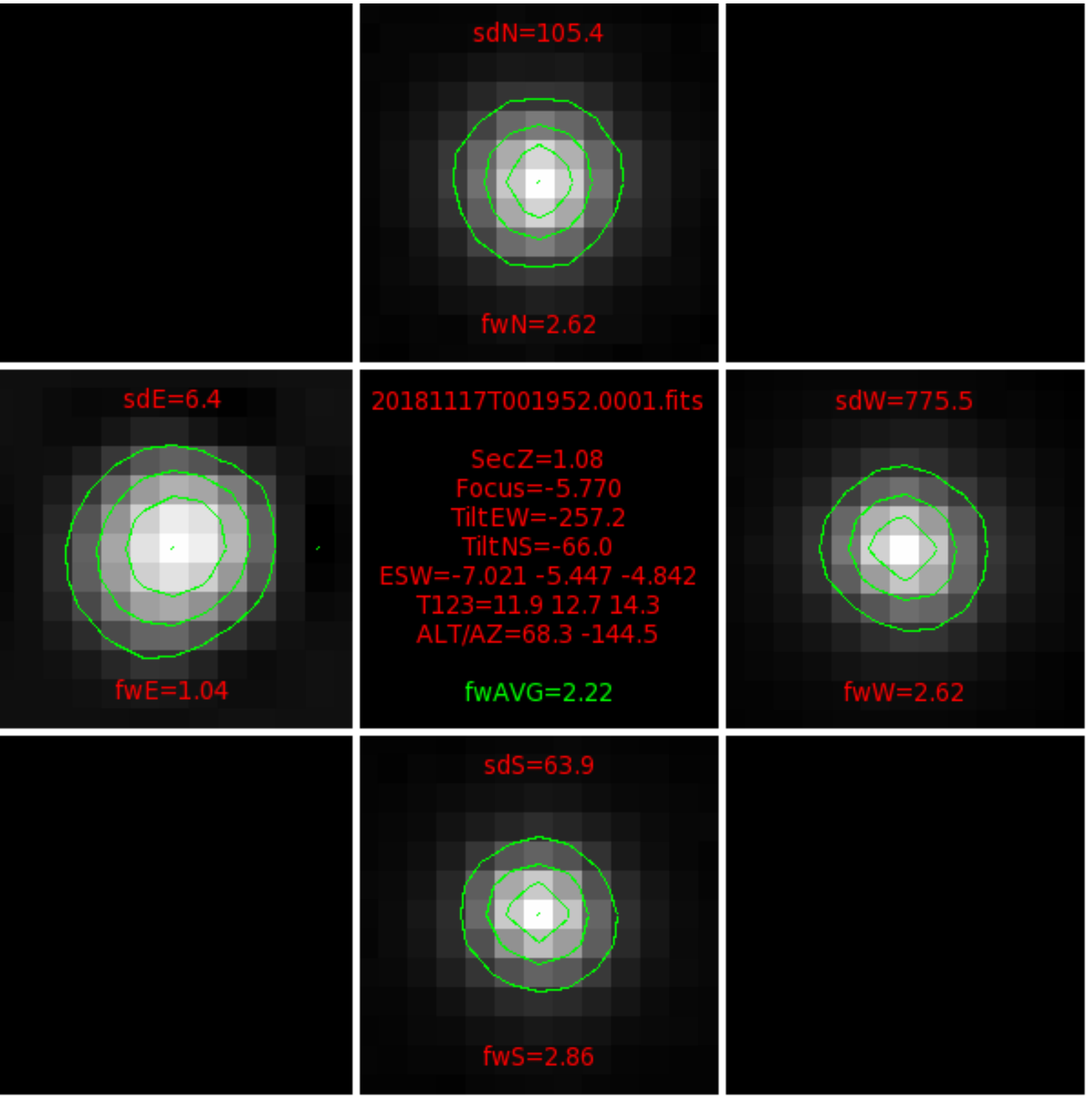

sdN=118.1
fwN=2.64
sdE=6.0
fwE=1.12
20181117T001129.0001.fits
SecZ=1.07
Focus=-5.777
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.028 -5.454 -4.849
T123=11.9 12.8 14.4
ALT/AZ=69.3 -149.4
fwAVG=2.29
sdW=889.6
fwW=2.70
sdS=83.5
fwS=2.80
0 0 0 0 0 0 0 0 0

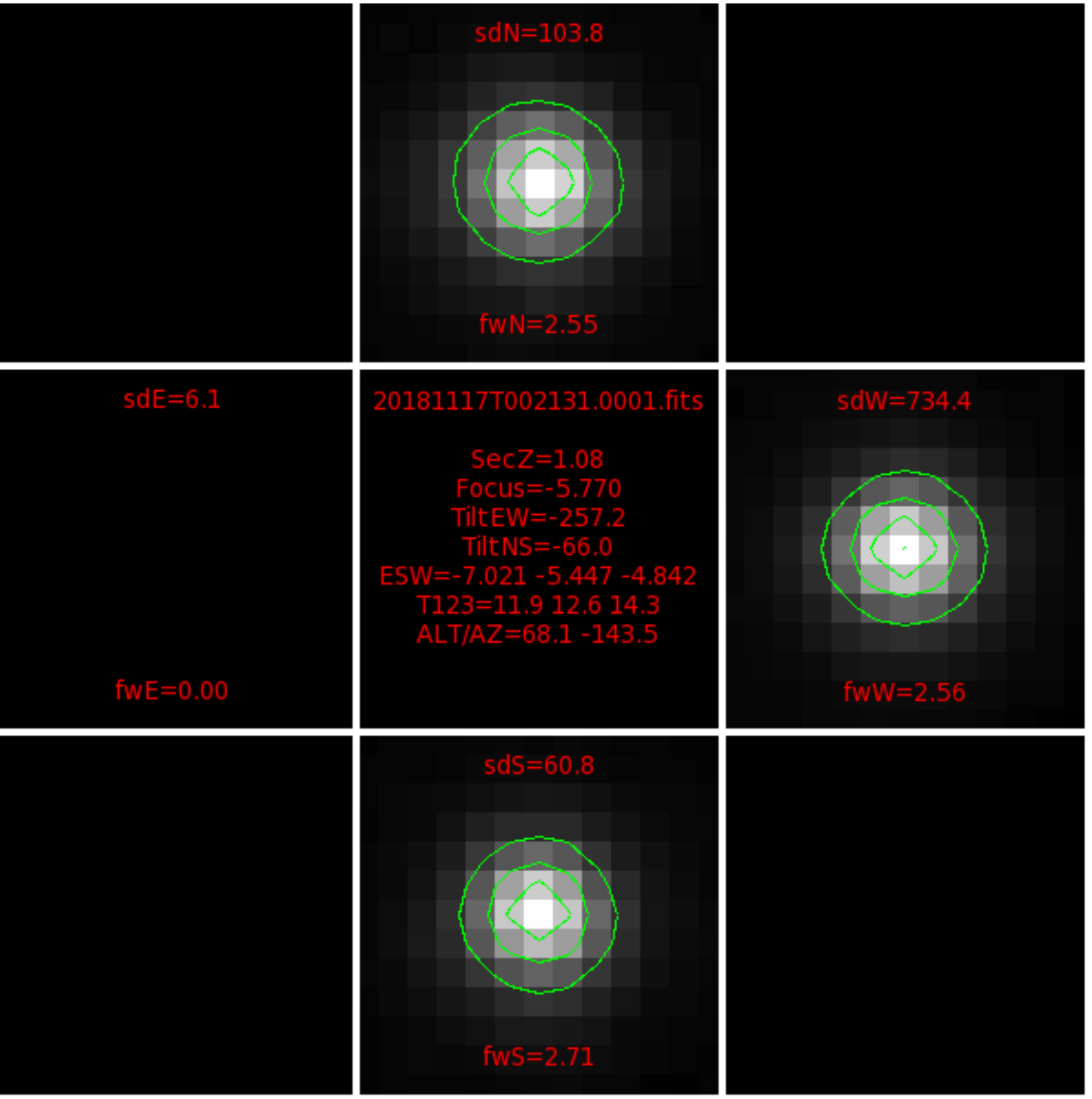

sdN=114.4
fwN=2.79
sdE=6.9
fwE=1.13
20181117T001310.0001.fits
SecZ=1.07
Focus=-5.777
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.028 -5.454 -4.849
T123=11.9 12.8 14.3
ALT/AZ=69.1 -148.4
fwAVG=2.45
sdW=856.0
fwW=2.94
sdS=72.8
fwS=2.70
0 0 0 0 0 0 0 0 0

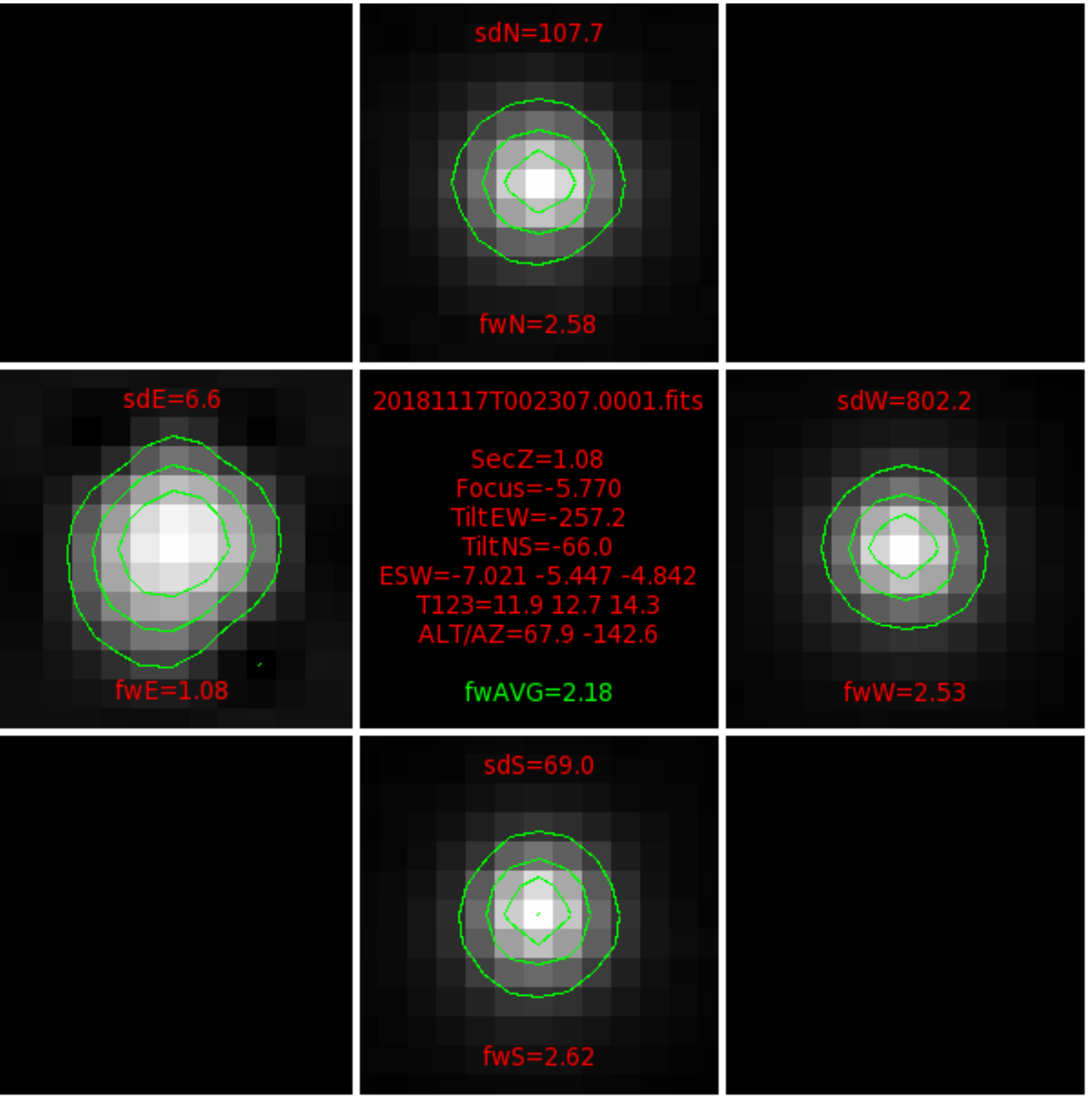

sdN=112.3
fwN=2.69
sdE=7.0
fwE=1.05
20181117T001446.0001.fits
SecZ=1.07
Focus=-5.770
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.021 -5.447 -4.842
T123=11.9 12.8 14.4
ALT/AZ=68.9 -147.4
fwAVG=2.30
sdW=779.2
fwW=2.73
sdS=65.0
fwS=2.83
0 0 0 0 0 0 0 0 0

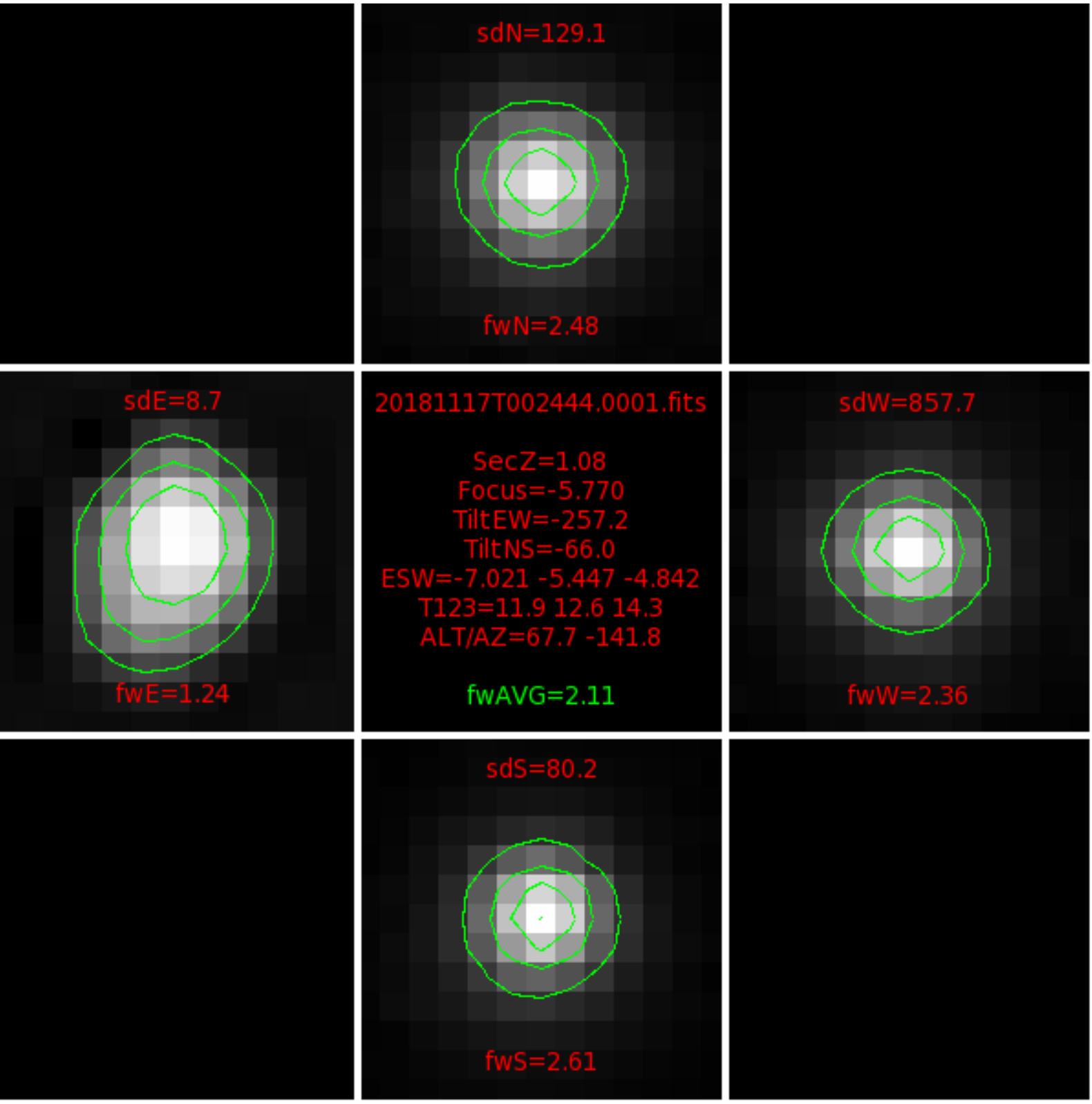

sdN=97.7
fwN=2.75
sdE=5.3
fwE=0.00
20181117T001624.0001.fits
SecZ=1.07
Focus=-5.777
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.028 -5.454 -4.849
T123=11.9 12.8 14.3
ALT/AZ=68.8 -146.5
sdW=685.1
fwW=2.69
sdS=50.3
fwS=2.83
0 0 0 0 0 0 0 0 0

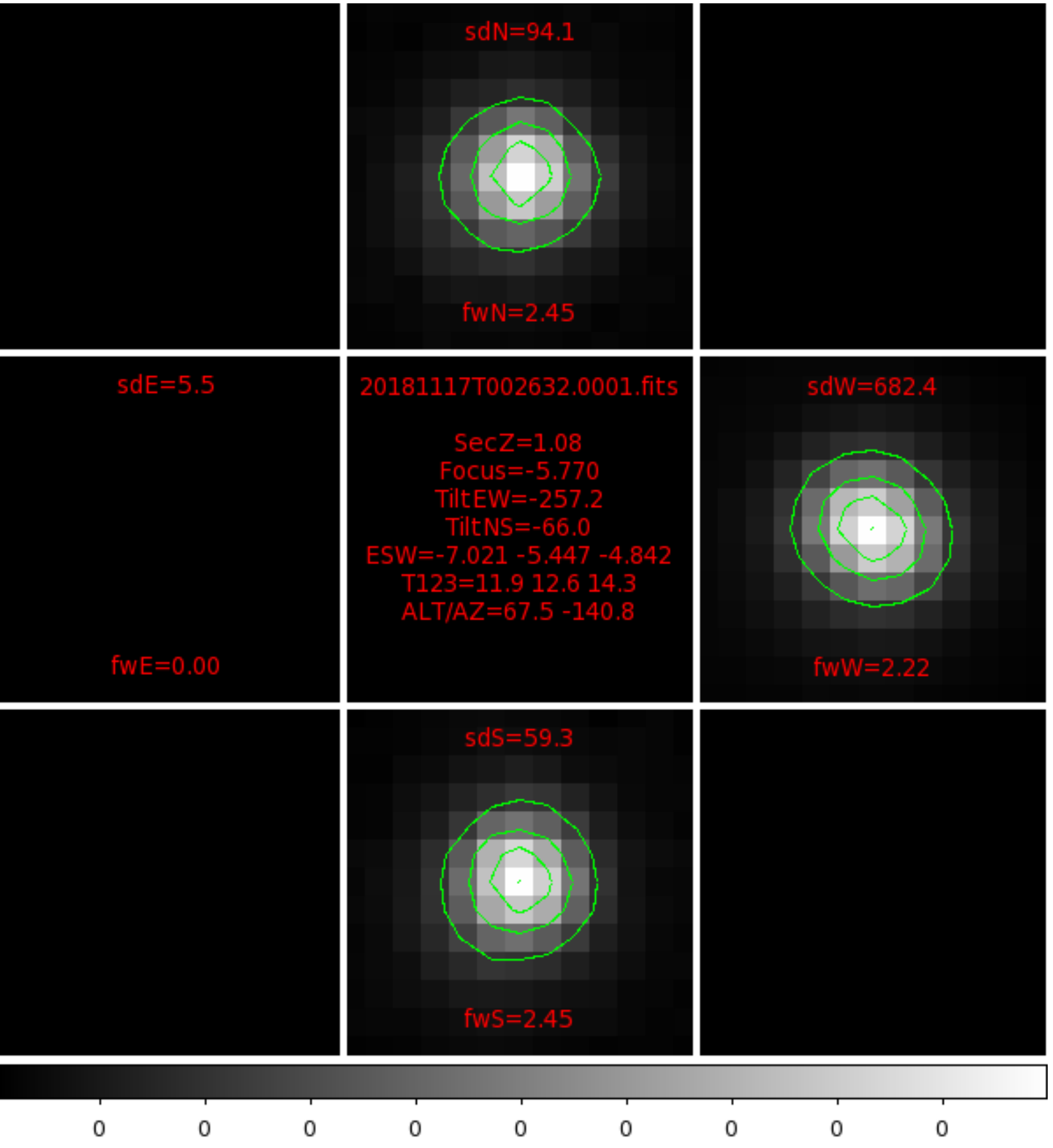

sdN=95.5
fwN=2.88
sdE=5.2
fwE=0.00
20181117T001803.0001.fits
SecZ=1.07
Focus=-5.770
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.021 -5.447 -4.842
T123=11.9 12.7 14.3
ALT/AZ=68.6 -145.5
sdW=746.4
fwW=2.66
sdS=62.4
fwS=2.80
0 0 0 0 0 0 0 0 0

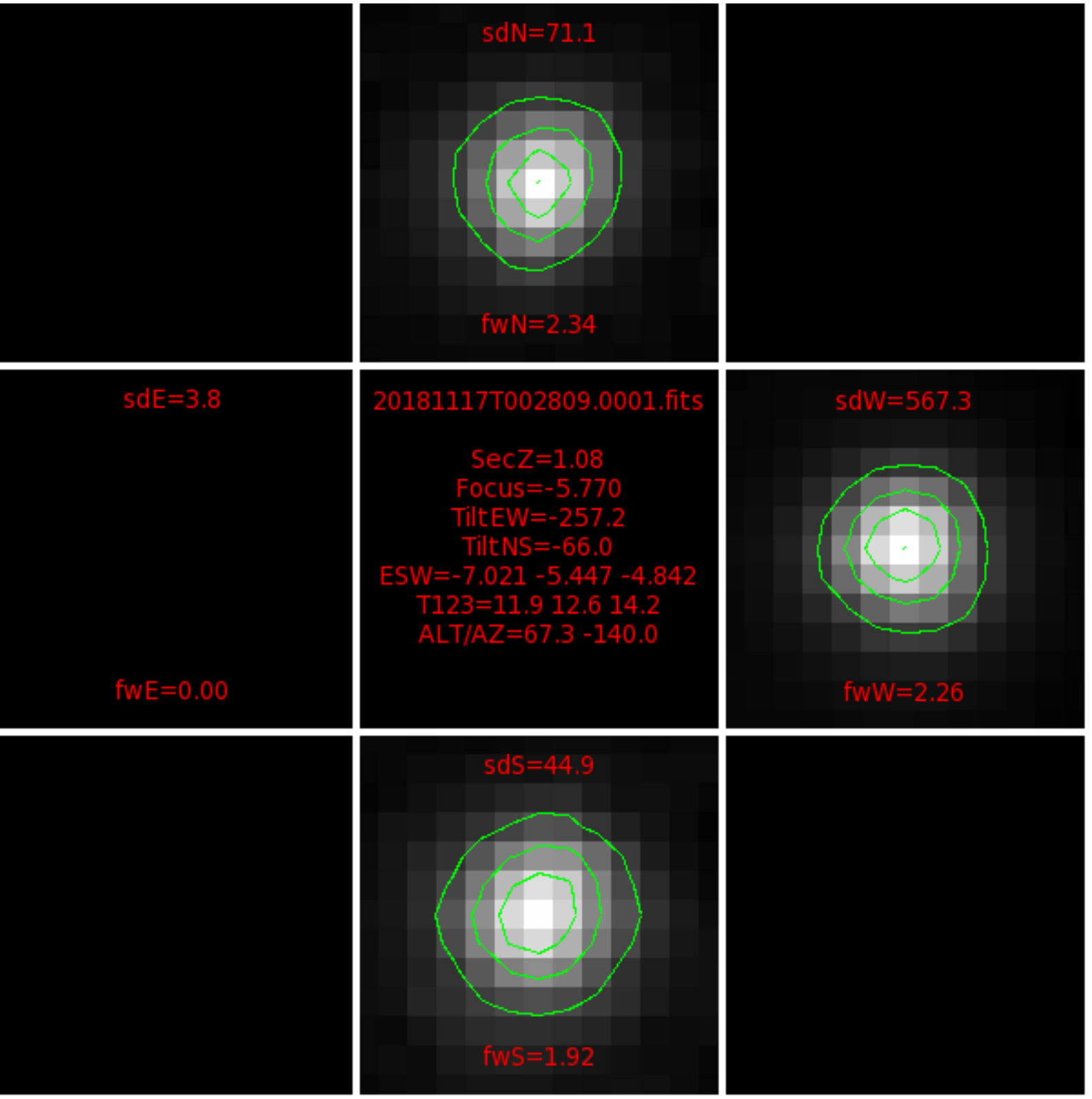

sdN=105.4
fwN=2.62
sdE=6.4
fwE=1.04
20181117T001952.0001.fits
SecZ=1.08
Focus=-5.770
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.021 -5.447 -4.842
T123=11.9 12.7 14.3
ALT/AZ=68.3 -144.5
fwAVG=2.22
sdW=775.5
fwW=2.62
sdS=63.9
fwS=2.86
0 0 0 0 0 0 0 0 0

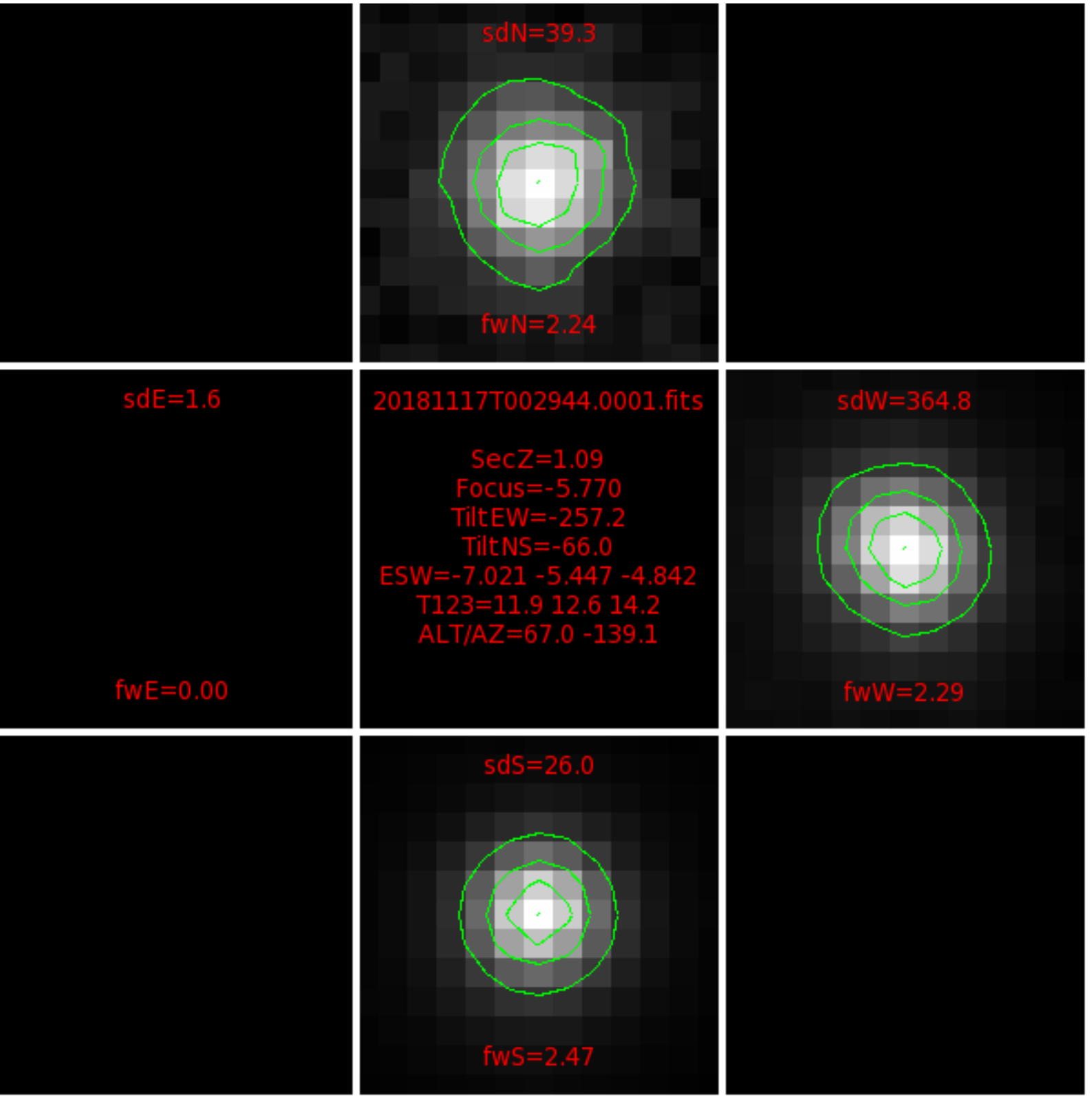

sdN=103.8
fwN=2.55
sdE=6.1
fwE=0.00
20181117T002131.0001.fits
SecZ=1.08
Focus=-5.770
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.021 -5.447 -4.842
T123=11.9 12.6 14.3
ALT/AZ=68.1 -143.5
sdW=734.4
fwW=2.56
sdS=60.8
fwS=2.71
0 0 0 0 0 0 0 0 0

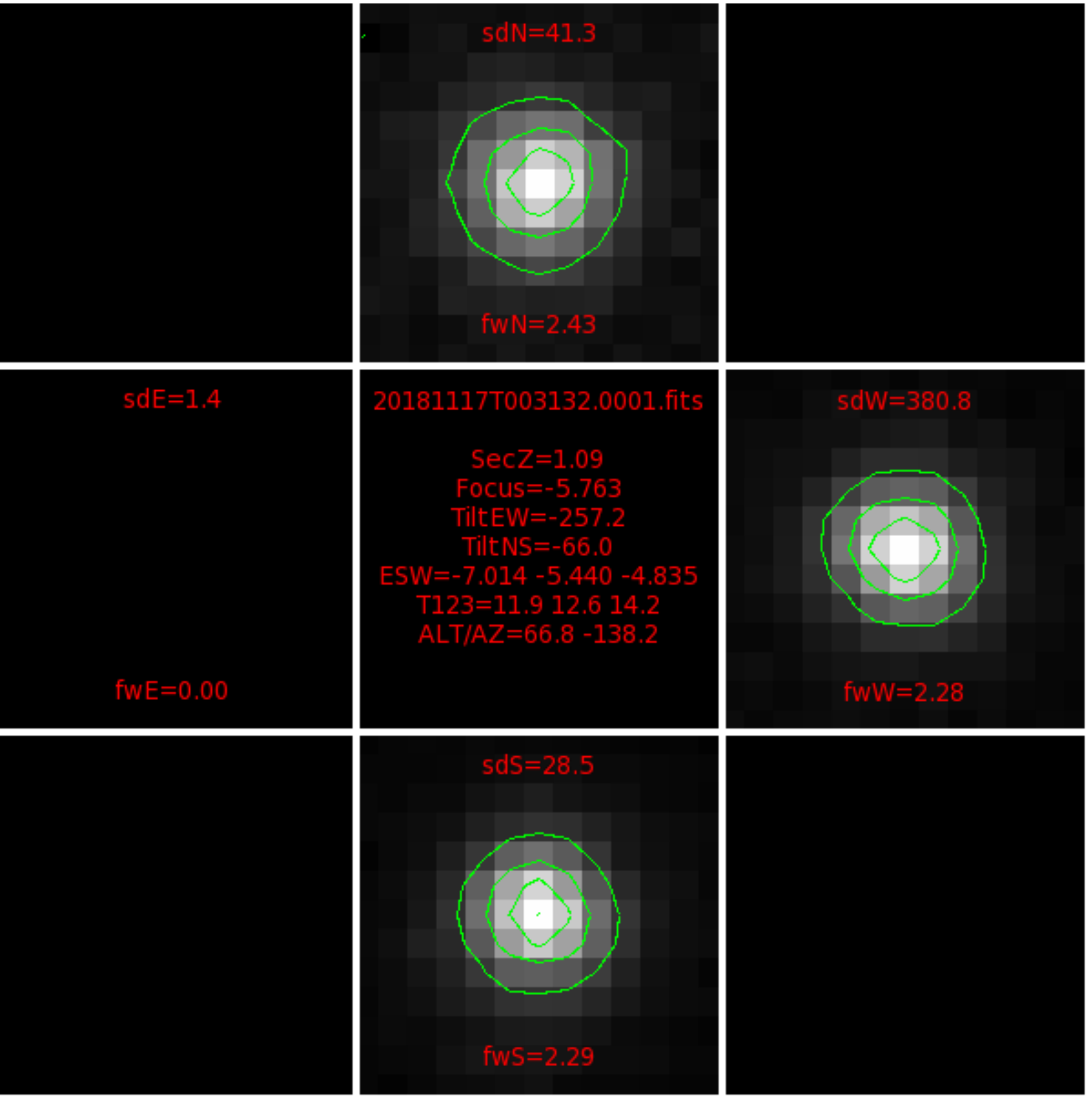

sdN=107.7
fwN=2.58
sdE=6.6
fwE=1.08
20181117T002307.0001.fits
SecZ=1.08
Focus=-5.770
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.021 -5.447 -4.842
T123=11.9 12.7 14.3
ALT/AZ=67.9 -142.6
fwAVG=2.18
sdW=802.2
fwW=2.53
sdS=69.0
fwS=2.62
0 0 0 0 0 0 0 0 0

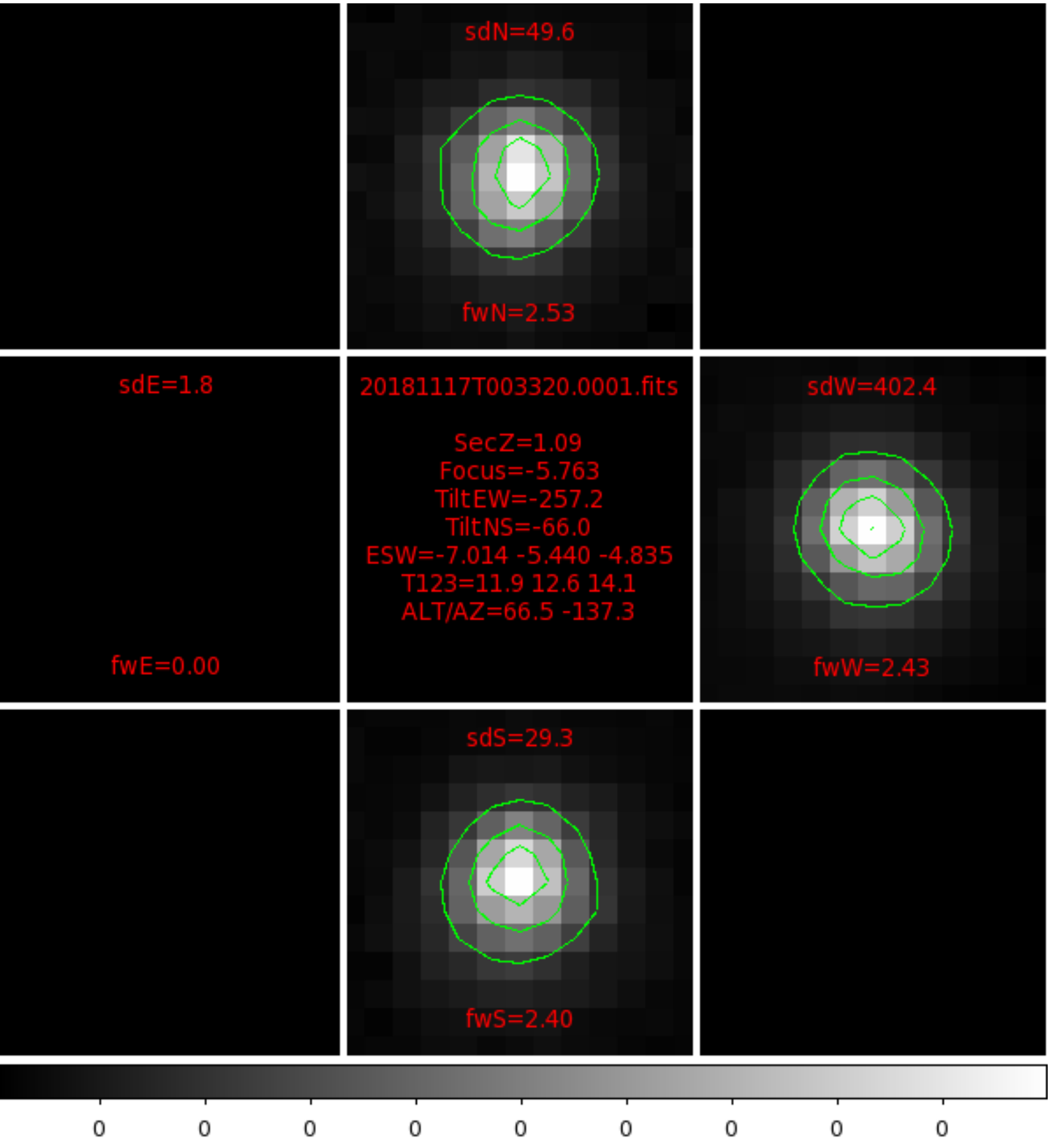

sdN=129.1
fwN=2.48
sdE=8.7
fwE=1.24
20181117T002444.0001.fits
SecZ=1.08
Focus=-5.770
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.021 -5.447 -4.842
T123=11.9 12.6 14.3
ALT/AZ=67.7 -141.8
fwAVG=2.11
sdW=857.7
fwW=2.36
sdS=80.2
fwS=2.61
0 0 0 0 0 0 0 0 0

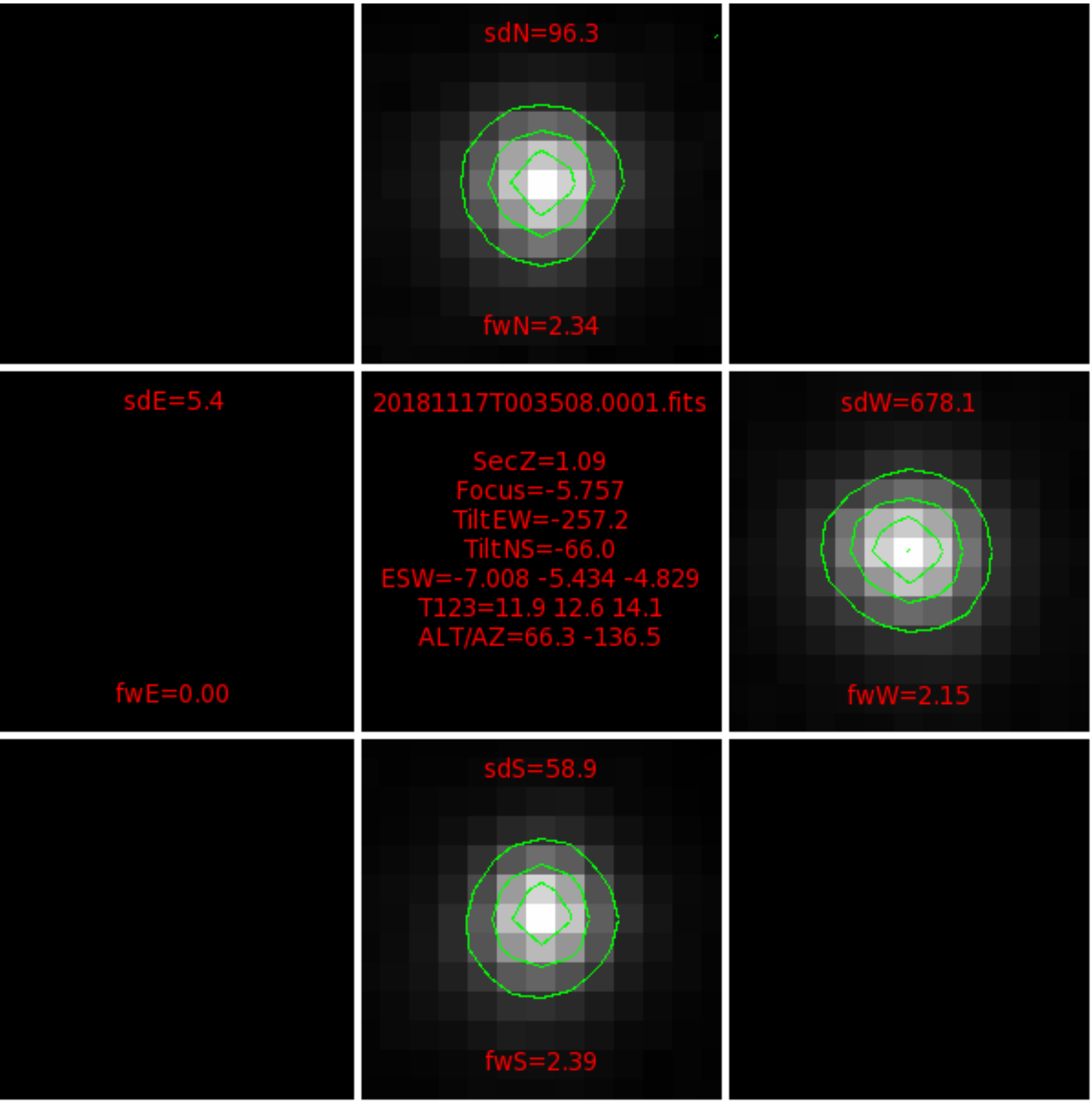

sdN=94.1
fwN=2.45
sdE=5.5
fwE=0.00
20181117T002632.0001.fits
SecZ=1.08
Focus=-5.770
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.021 -5.447 -4.842
T123=11.9 12.6 14.3
ALT/AZ=67.5 -140.8
sdW=682.4
fwW=2.22
sdS=59.3
fwS=2.45
0 0 0 0 0 0 0 0 0

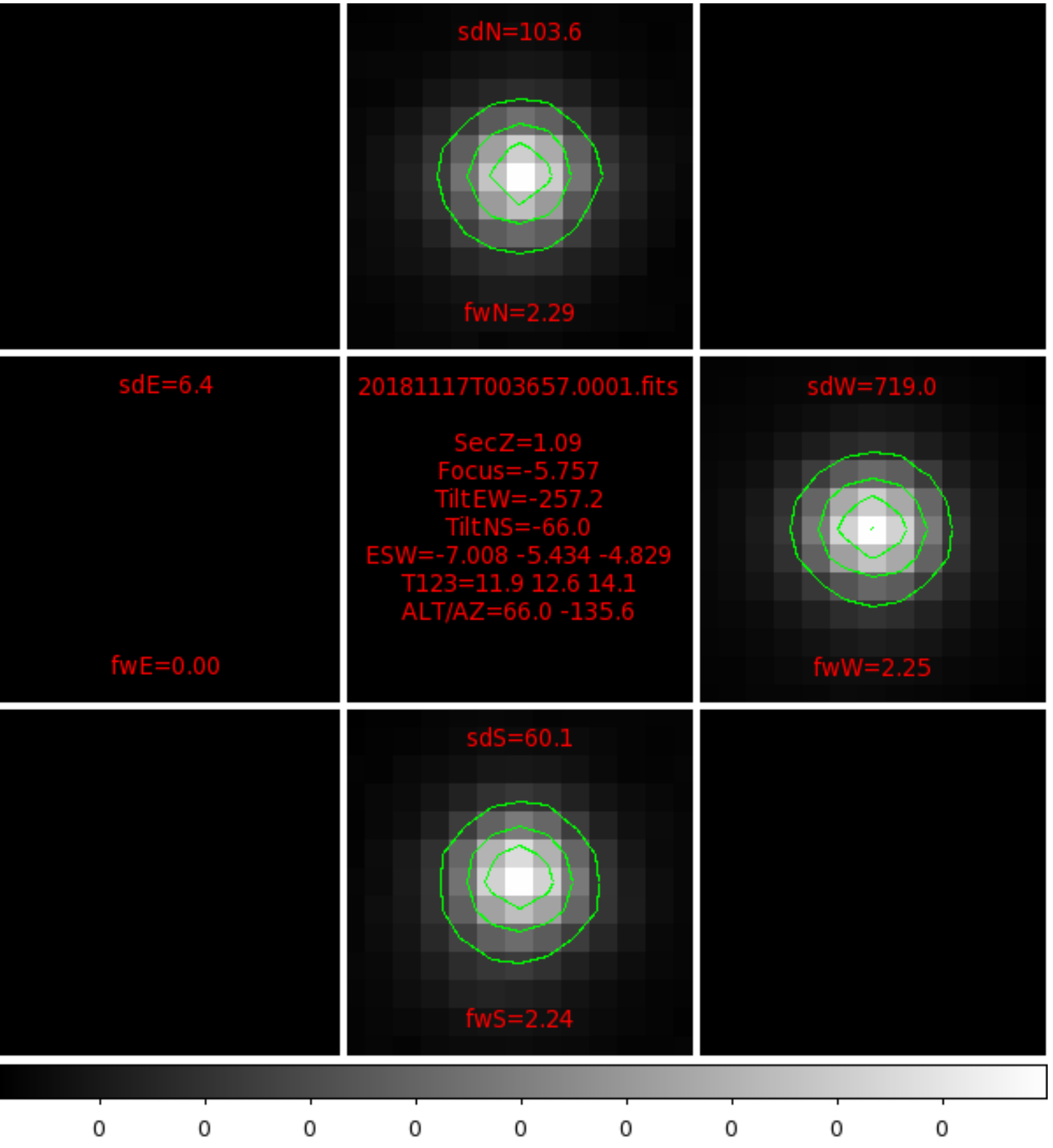

sdN=71.1
fwN=2.34
sdE=3.8
fwE=0.00
20181117T002809.0001.fits
SecZ=1.08
Focus=-5.770
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.021 -5.447 -4.842
T123=11.9 12.6 14.2
ALT/AZ=67.3 -140.0
sdW=567.3
fwW=2.26
sdS=44.9
fwS=1.92
0 0 0 0 0 0 0 0 0

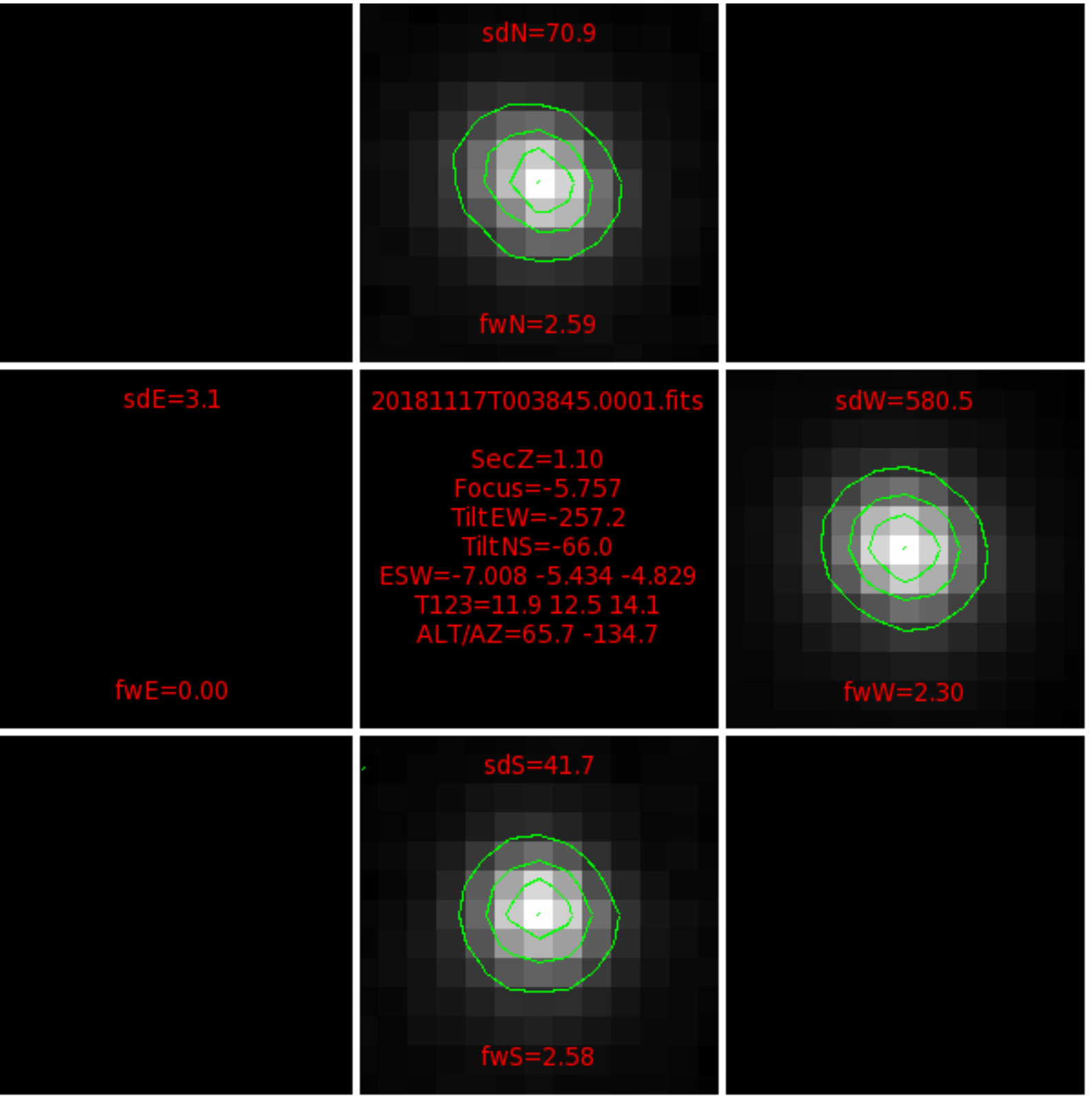

sdN=39.3
fwN=2.24
sdE=1.6
fwE=0.00
20181117T002944.0001.fits
SecZ=1.09
Focus=-5.770
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.021 -5.447 -4.842
T123=11.9 12.6 14.2
ALT/AZ=67.0 -139.1
sdW=364.8
fwW=2.29
sdS=26.0
fwS=2.47
0 0 0 0 0 0 0 0 0

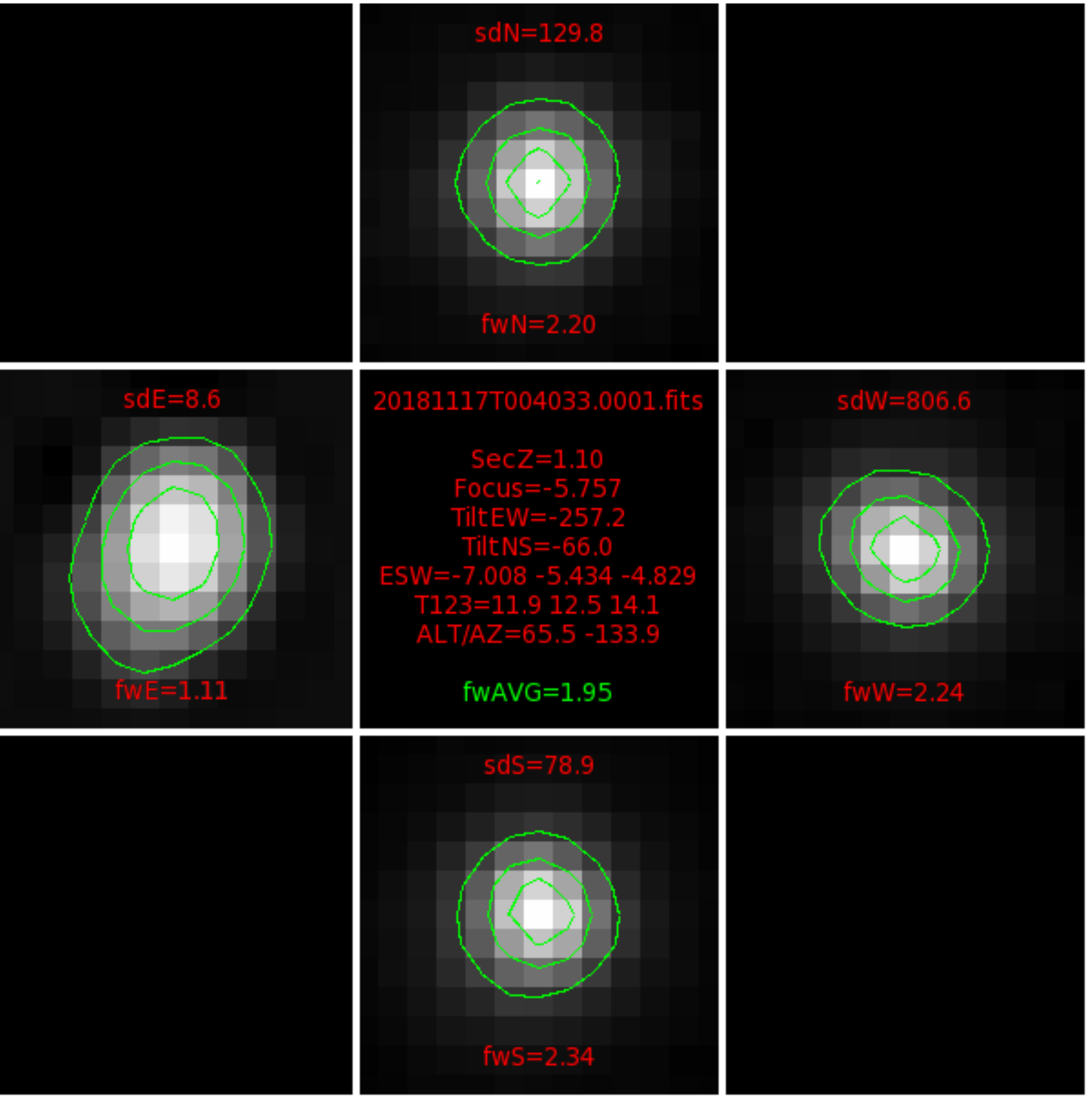

sdN=41.3
fwN=2.43
sdE=1.4
fwE=0.00
20181117T003132.0001.fits
SecZ=1.09
Focus=-5.763
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.014 -5.440 -4.835
T123=11.9 12.6 14.2
ALT/AZ=66.8 -138.2
sdW=380.8
fwW=2.28
sdS=28.5
fwS=2.29
0 0 0 0 0 0 0 0 0

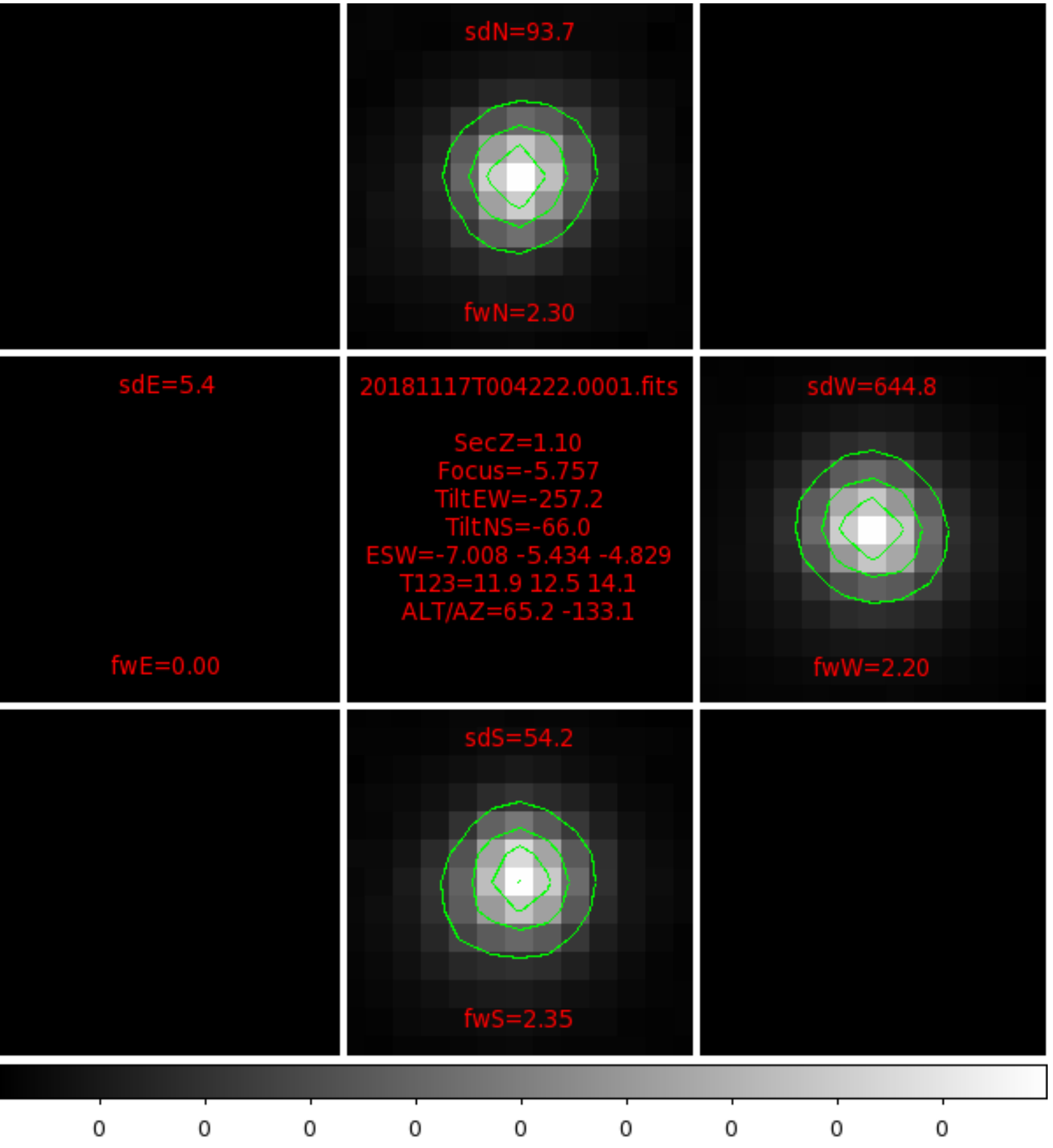

sdN=49.6
fwN=2.53
sdE=1.8
fwE=0.00
20181117T003320.0001.fits
SecZ=1.09
Focus=-5.763
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.014 -5.440 -4.835
T123=11.9 12.6 14.1
ALT/AZ=66.5 -137.3
sdW=402.4
fwW=2.43
sdS=29.3
fwS=2.40
0 0 0 0 0 0 0 0 0

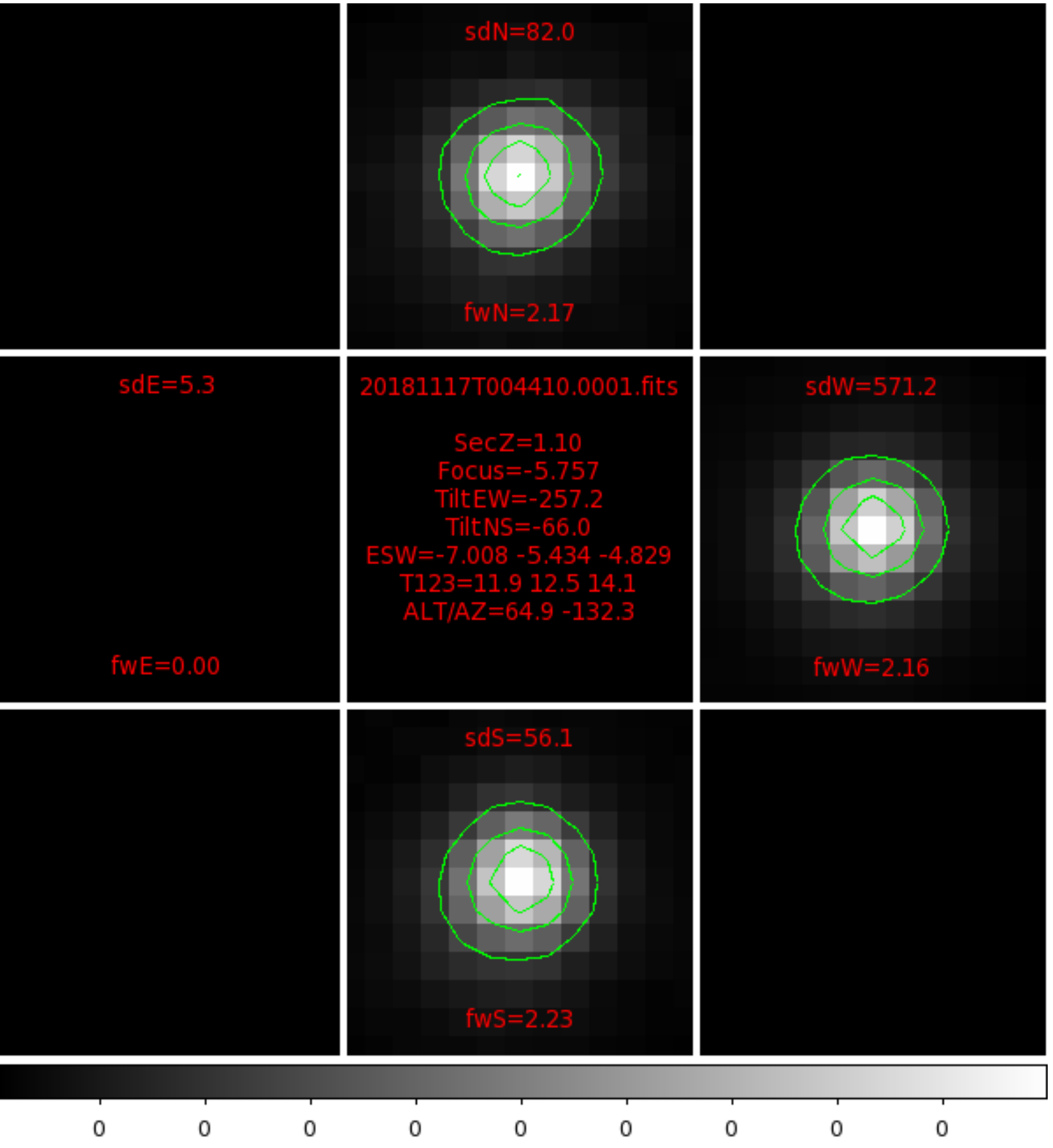

sdN=96.3
fwN=2.34
sdE=5.4
fwE=0.00
20181117T003508.0001.fits
SecZ=1.09
Focus=-5.757
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.008 -5.434 -4.829
T123=11.9 12.6 14.1
ALT/AZ=66.3 -136.5
sdW=678.1
fwW=2.15
sdS=58.9
fwS=2.39
0 0 0 0 0 0 0 0 0

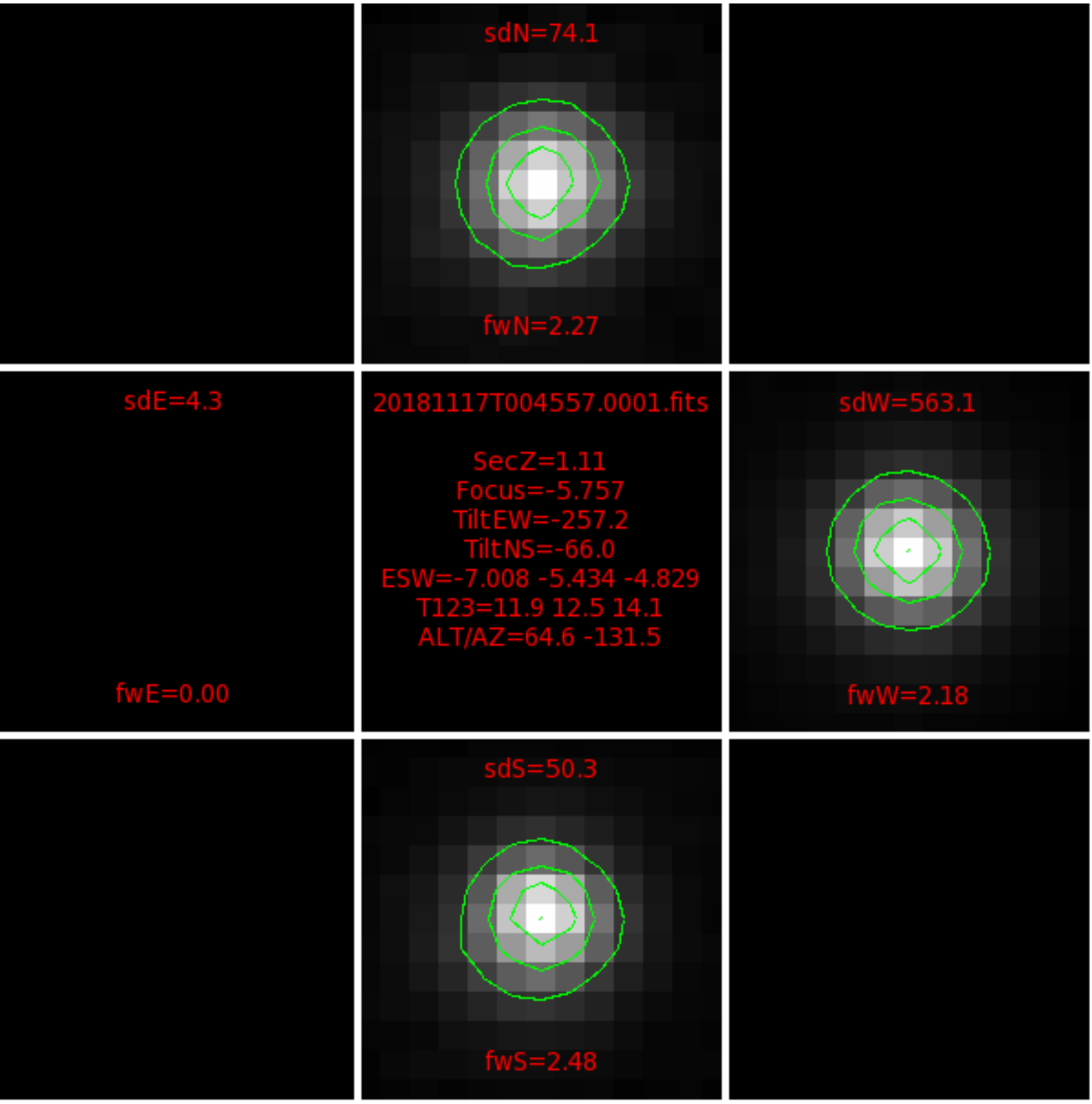

sdN=103.6
fwN=2.29
sdE=6.4
fwE=0.00
20181117T003657.0001.fits
SecZ=1.09
Focus=-5.757
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.008 -5.434 -4.829
T123=11.9 12.6 14.1
ALT/AZ=66.0 -135.6
sdW=719.0
fwW=2.25
sdS=60.1
fwS=2.24
0 0 0 0 0 0 0 0 0

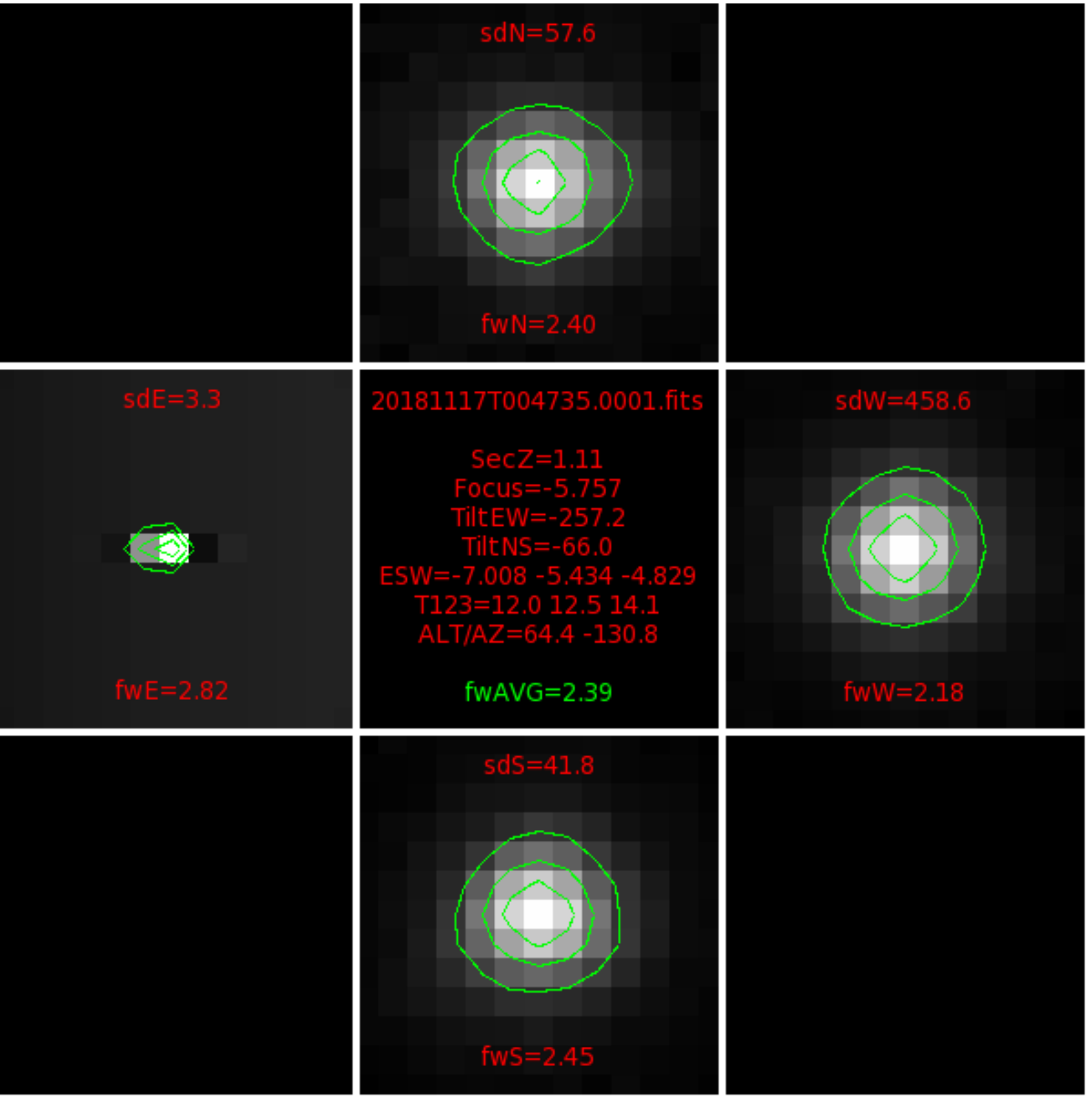

sdN=70.9
fwN=2.59
sdE=3.1
fwE=0.00
20181117T003845.0001.fits
SecZ=1.10
Focus=-5.757
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.008 -5.434 -4.829
T123=11.9 12.5 14.1
ALT/AZ=65.7 -134.7
sdW=580.5
fwW=2.30
sdS=41.7
fwS=2.58
0 0 0 0 0 0 0 0 0

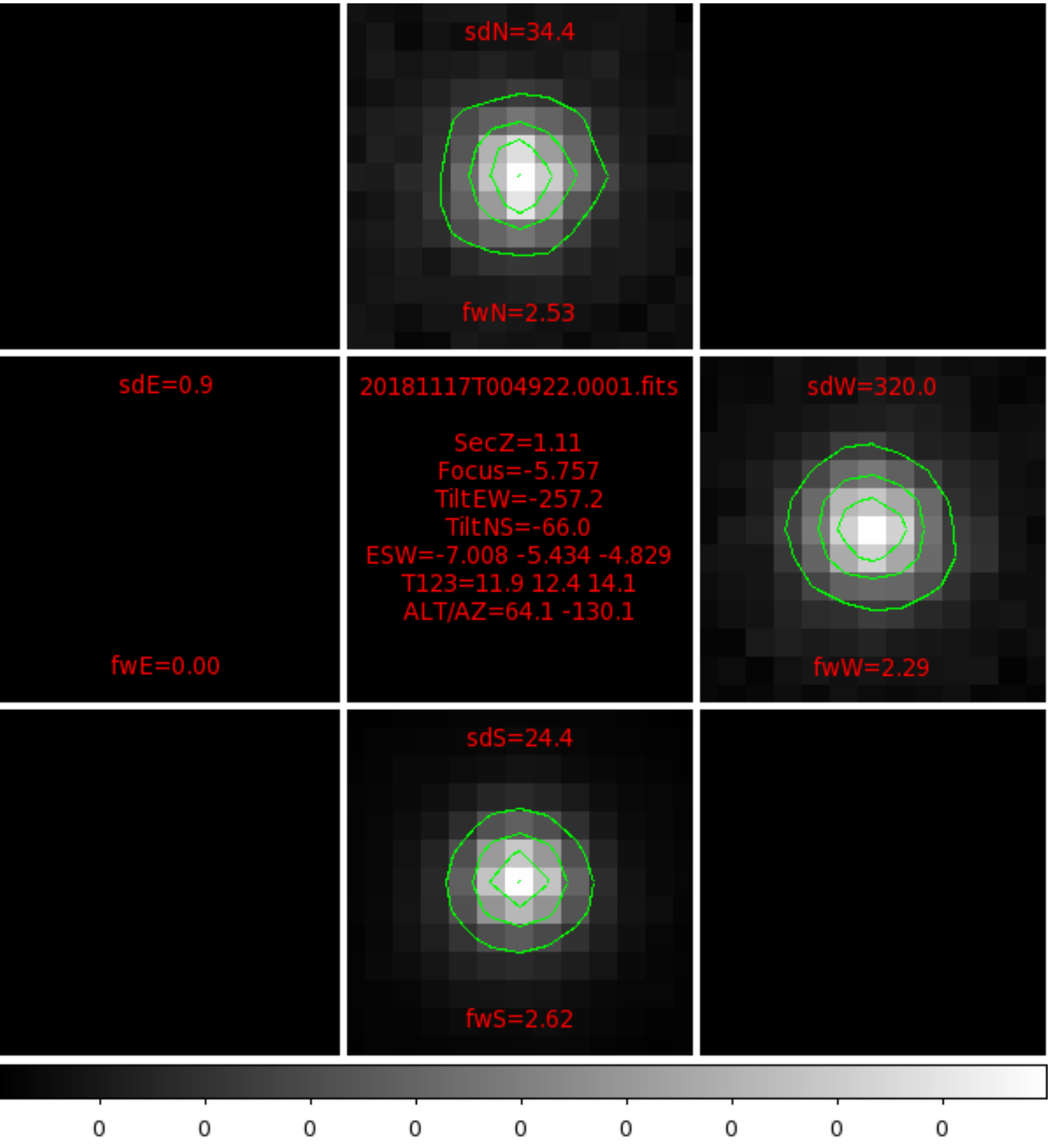

sdN=129.8
fwN=2.20
sdE=8.6
fwE=1.11
20181117T004033.0001.fits
SecZ=1.10
Focus=-5.757
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.008 -5.434 -4.829
T123=11.9 12.5 14.1
ALT/AZ=65.5 -133.9
fwAVG=1.95
sdW=806.6
fwW=2.24
sdS=78.9
fwS=2.34
0 0 0 0 0 0 0 0 0

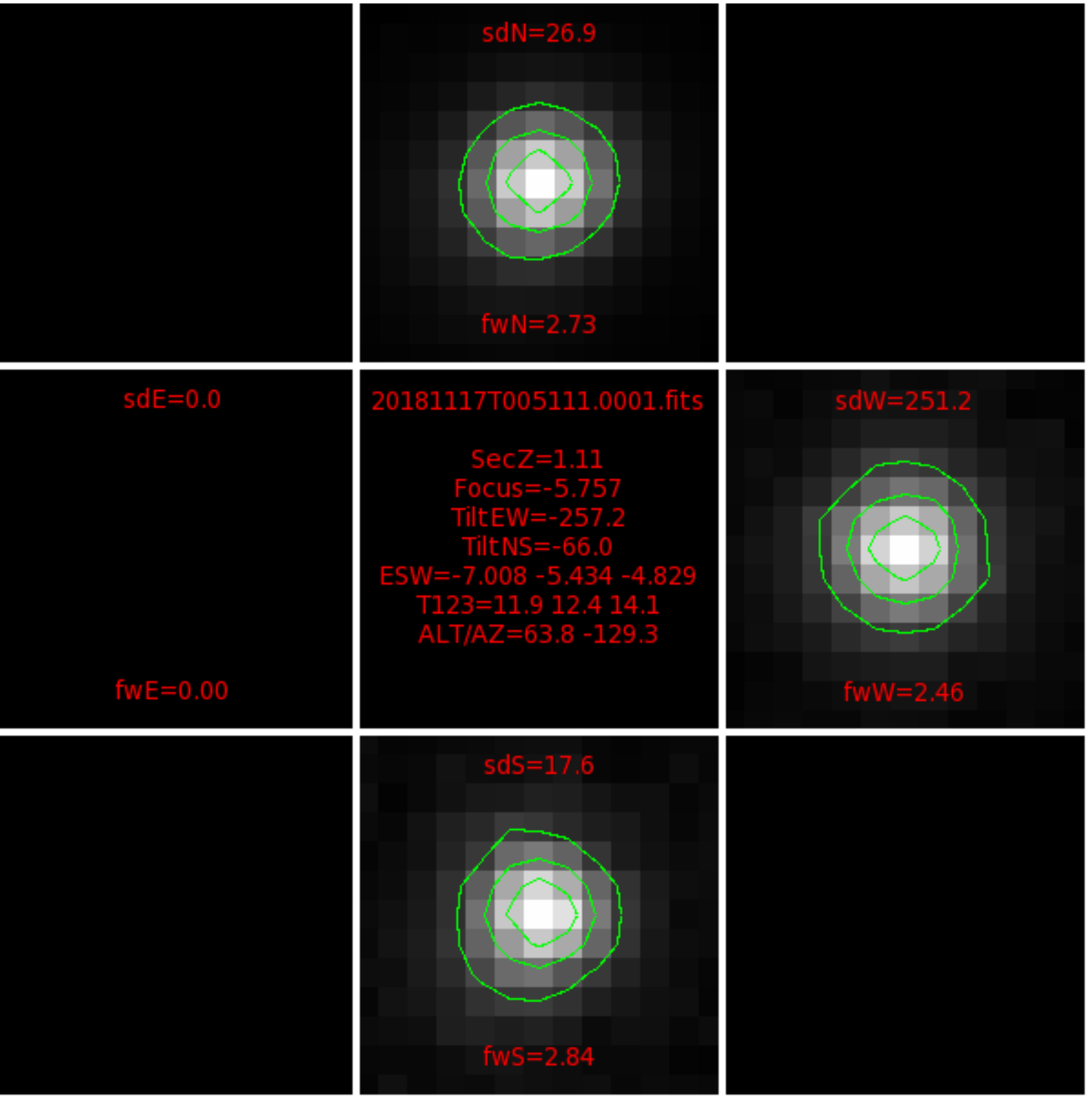

sdN=93.7
fwN=2.30
sdE=5.4
fwE=0.00
20181117T004222.0001.fits
SecZ=1.10
Focus=-5.757
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.008 -5.434 -4.829
T123=11.9 12.5 14.1
ALT/AZ=65.2 -133.1
sdW=644.8
fwW=2.20
sdS=54.2
fwS=2.35
0 0 0 0 0 0 0 0 0

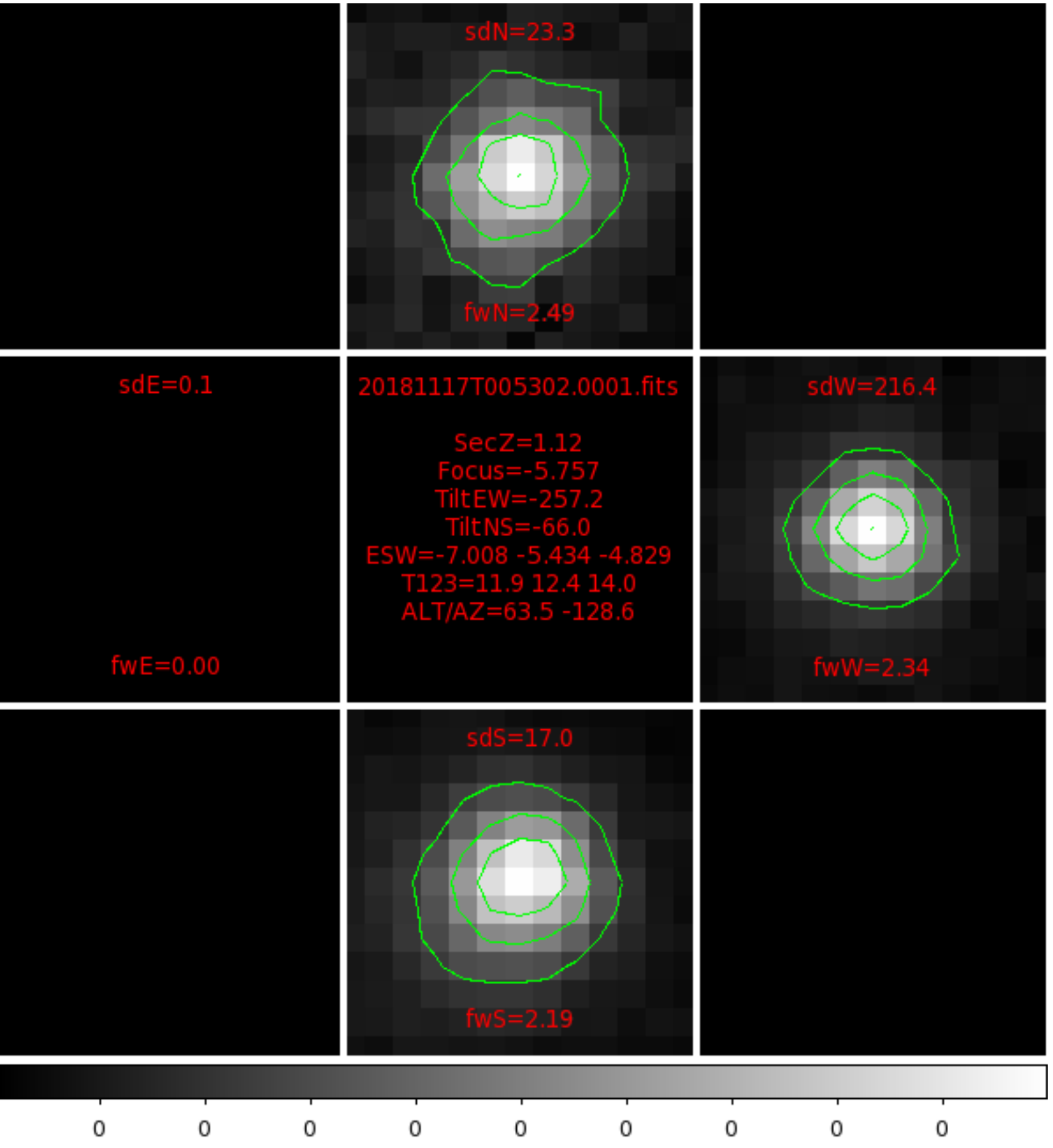

sdN=82.0
fwN=2.17
sdE=5.3
fwE=0.00
20181117T004410.0001.fits
SecZ=1.10
Focus=-5.757
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.008 -5.434 -4.829
T123=11.9 12.5 14.1
ALT/AZ=64.9 -132.3
sdW=571.2
fwW=2.16
sdS=56.1
fwS=2.23
0 0 0 0 0 0 0 0 0

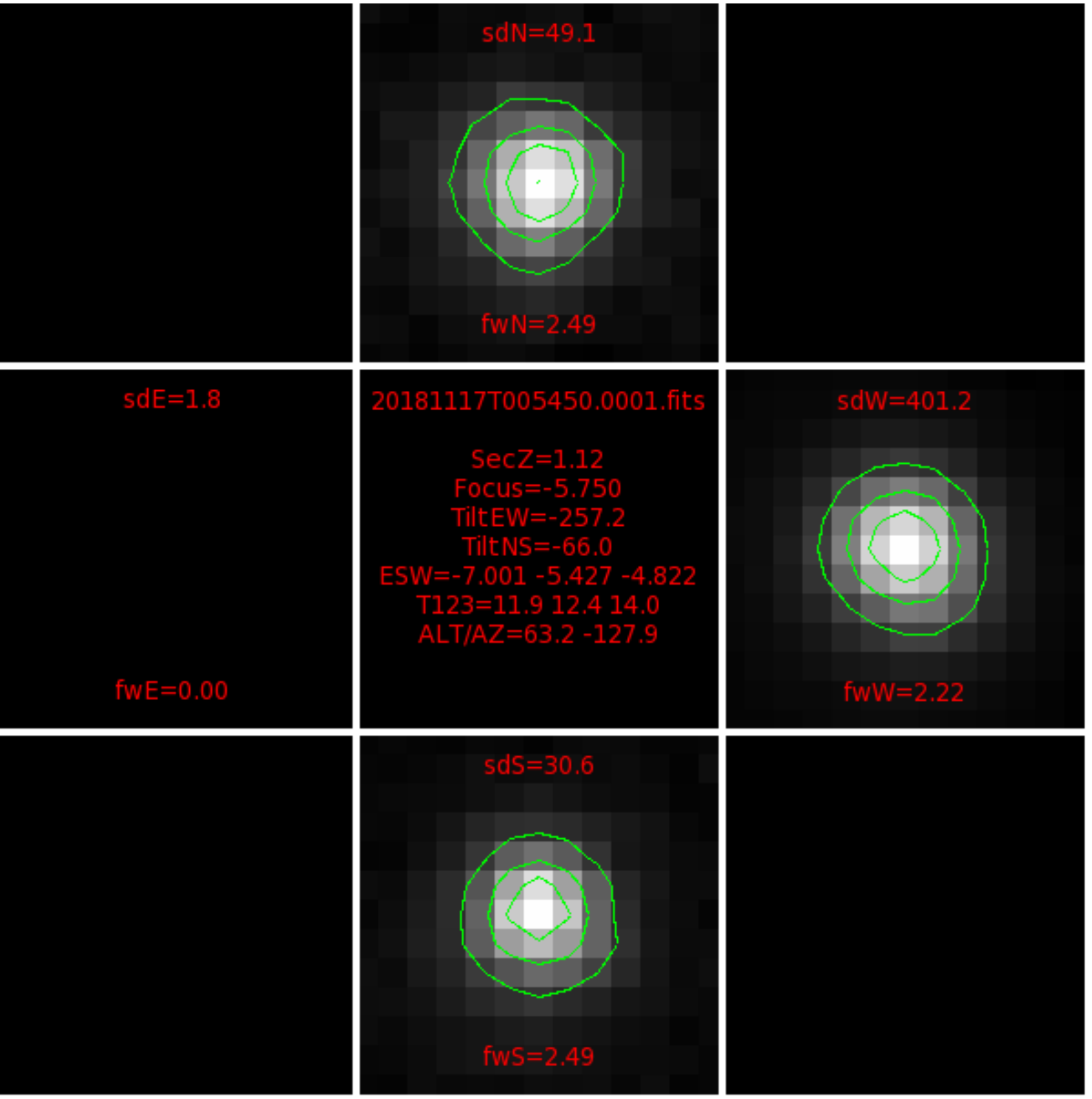

sdN=74.1
fwN=2.27
sdE=4.3
fwE=0.00
20181117T004557.0001.fits
SecZ=1.11
Focus=-5.757
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.008 -5.434 -4.829
T123=11.9 12.5 14.1
ALT/AZ=64.6 -131.5
sdW=563.1
fwW=2.18
sdS=50.3
fwS=2.48
0 0 0 0 0 0 0 0 0

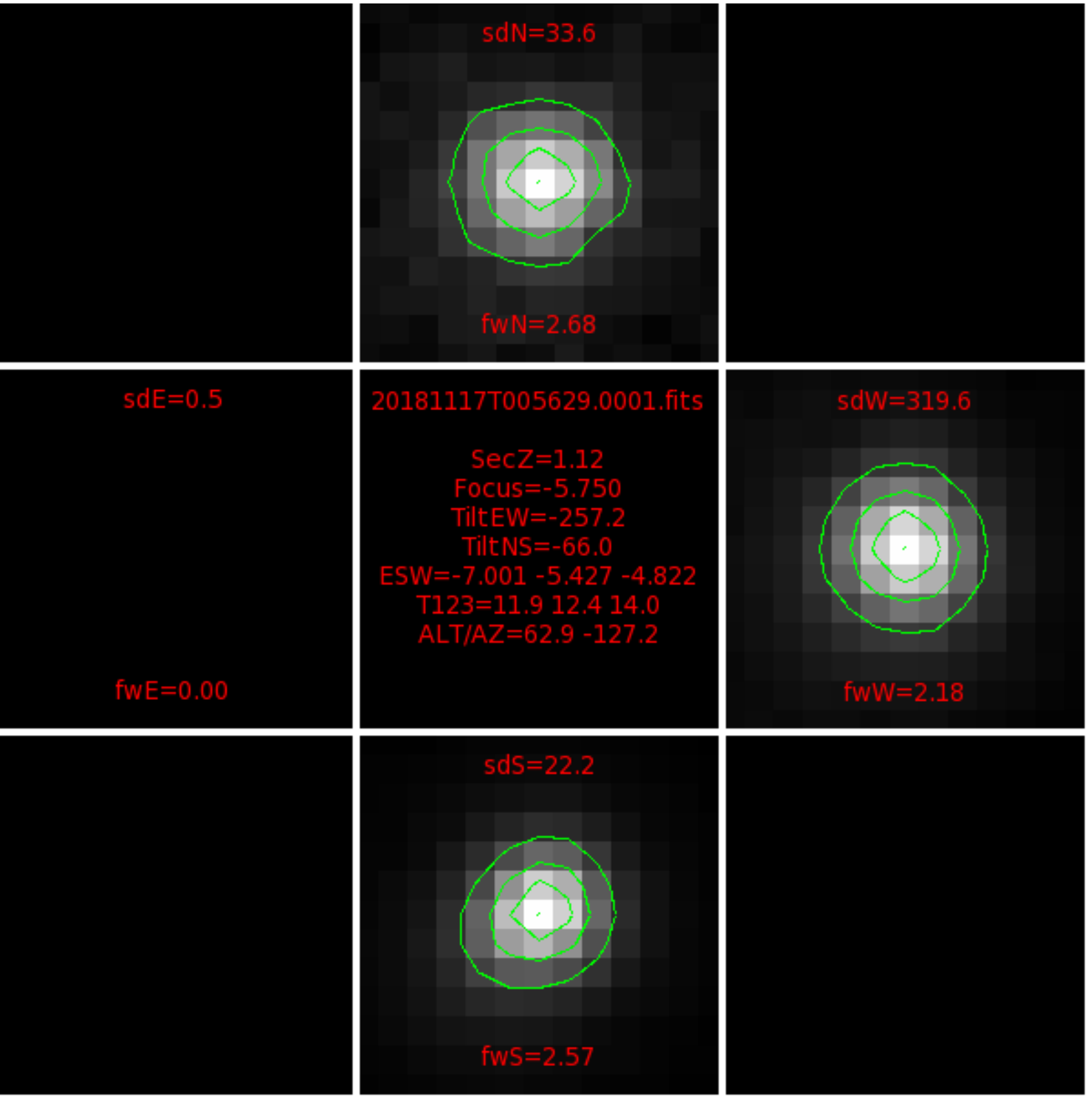

sdN=57.6
fwN=2.40
sdE=3.3
fwE=2.82
20181117T004735.0001.fits
SecZ=1.11
Focus=-5.757
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.008 -5.434 -4.829
T123=12.0 12.5 14.1
ALT/AZ=64.4 -130.8
fwAVG=2.39
sdW=458.6
fwW=2.18
sdS=41.8
fwS=2.45
0 0 0 0 0 0 0 0 0

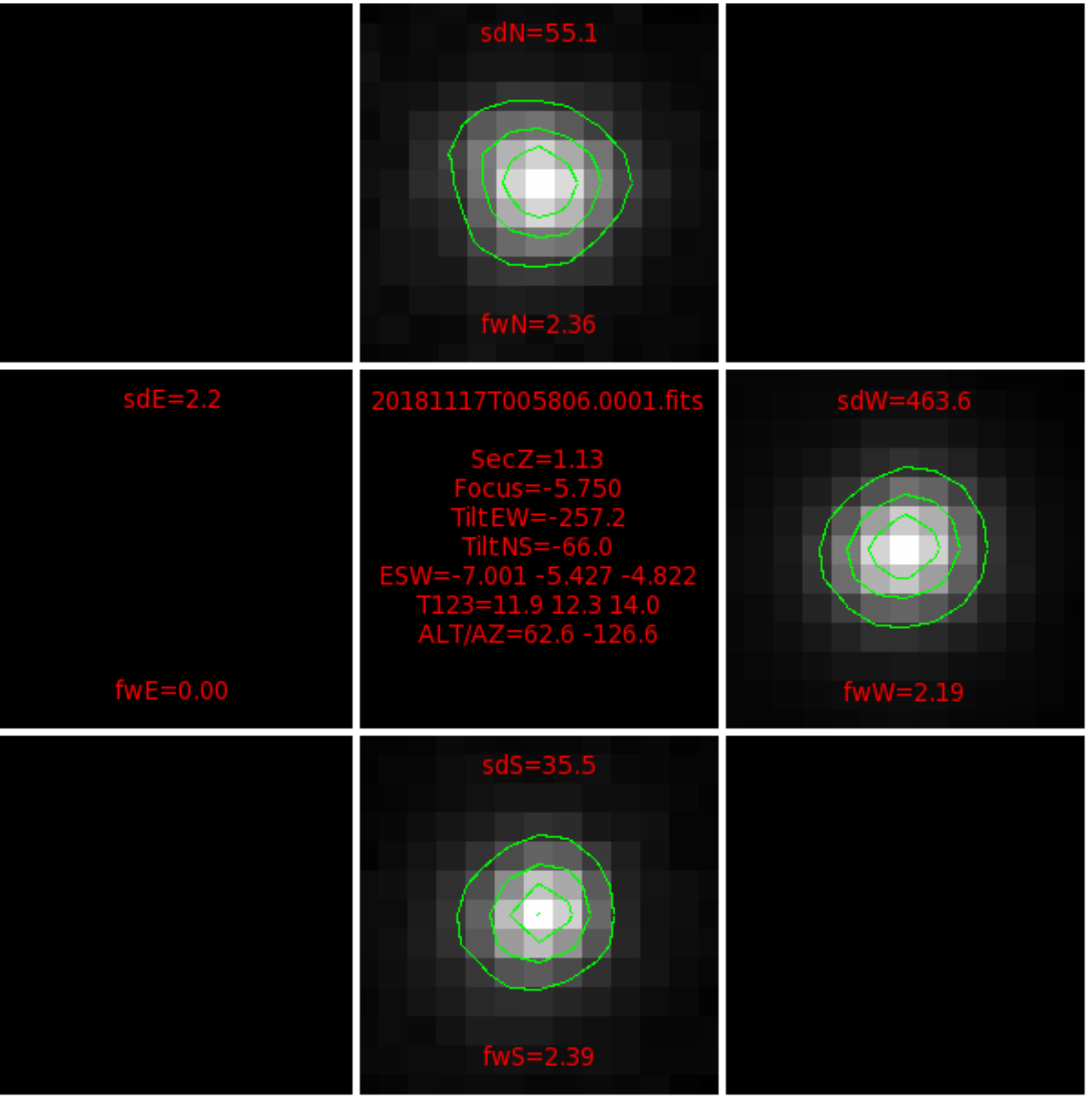

sdN=34.4
fwN=2.53
sdE=0.9
fwE=0.00
20181117T004922.0001.fits
SecZ=1.11
Focus=-5.757
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.008 -5.434 -4.829
T123=11.9 12.4 14.1
ALT/AZ=64.1 -130.1
sdW=320.0
fwW=2.29
sdS=24.4
fwS=2.62
0 0 0 0 0 0 0 0 0

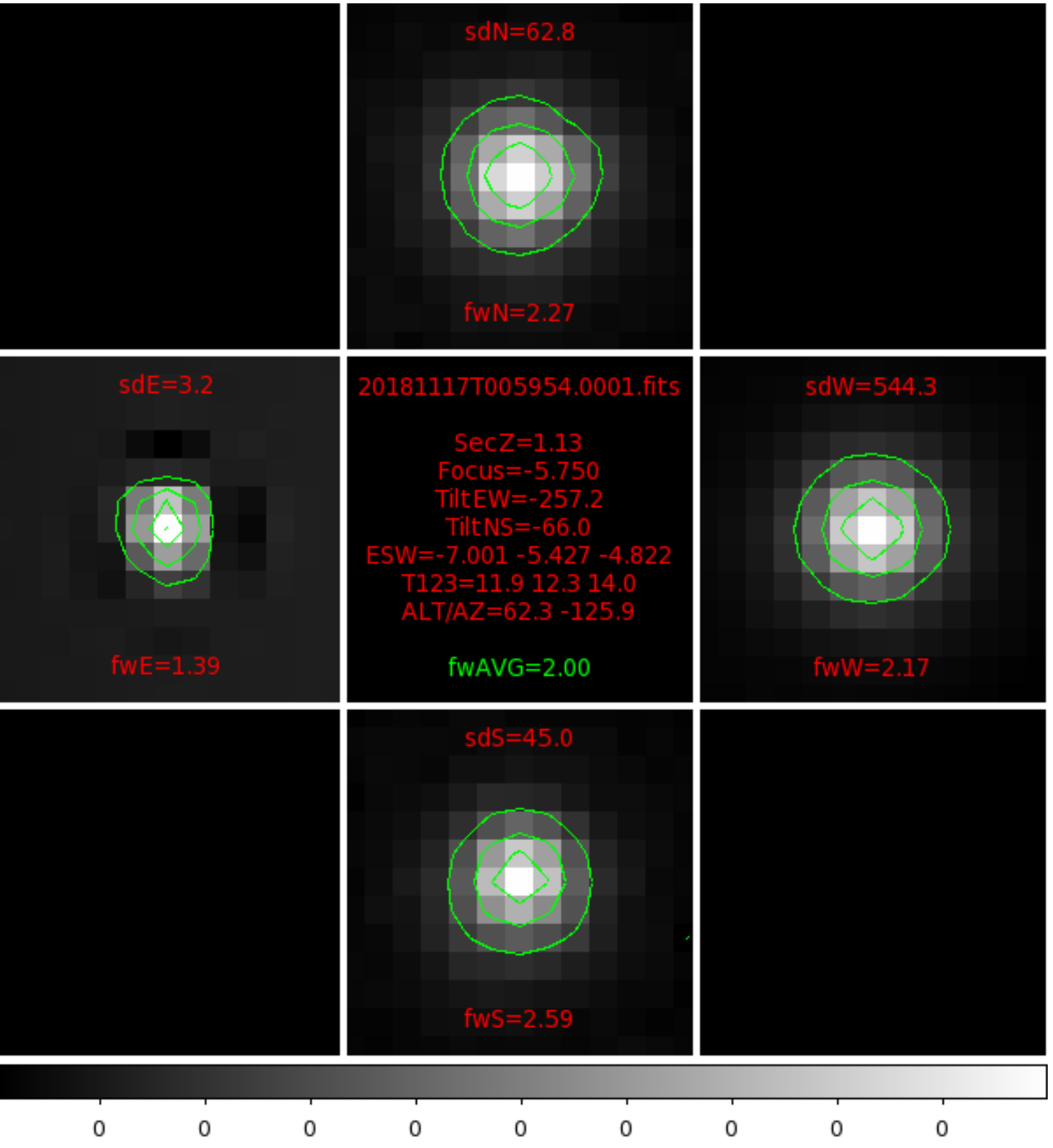

sdN=26.9
fwN=2.73
sdE=0.0
fwE=0.00
20181117T005111.0001.fits
SecZ=1.11
Focus=-5.757
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.008 -5.434 -4.829
T123=11.9 12.4 14.1
ALT/AZ=63.8 -129.3
sdW=251.2
fwW=2.46
sdS=17.6
fwS=2.84
0 0 0 0 0 0 0 0 0

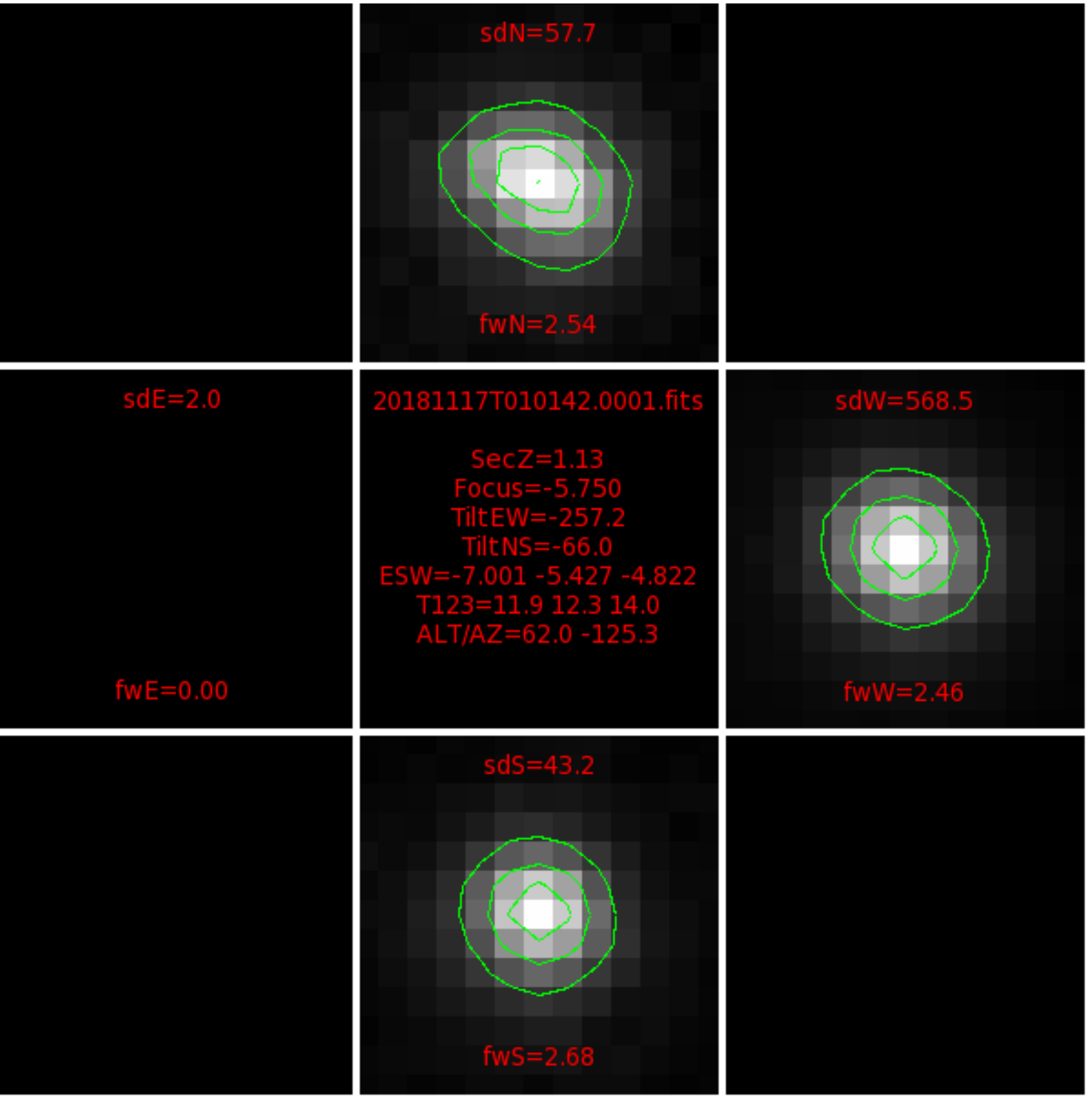

sdN=23.3
fwN=2.49
sdE=0.1
fwE=0.00
20181117T005302.0001.fits
SecZ=1.12
Focus=-5.757
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.008 -5.434 -4.829
T123=11.9 12.4 14.0
ALT/AZ=63.5 -128.6
sdW=216.4
fwW=2.34
sdS=17.0
fwS=2.19
0 0 0 0 0 0 0 0 0

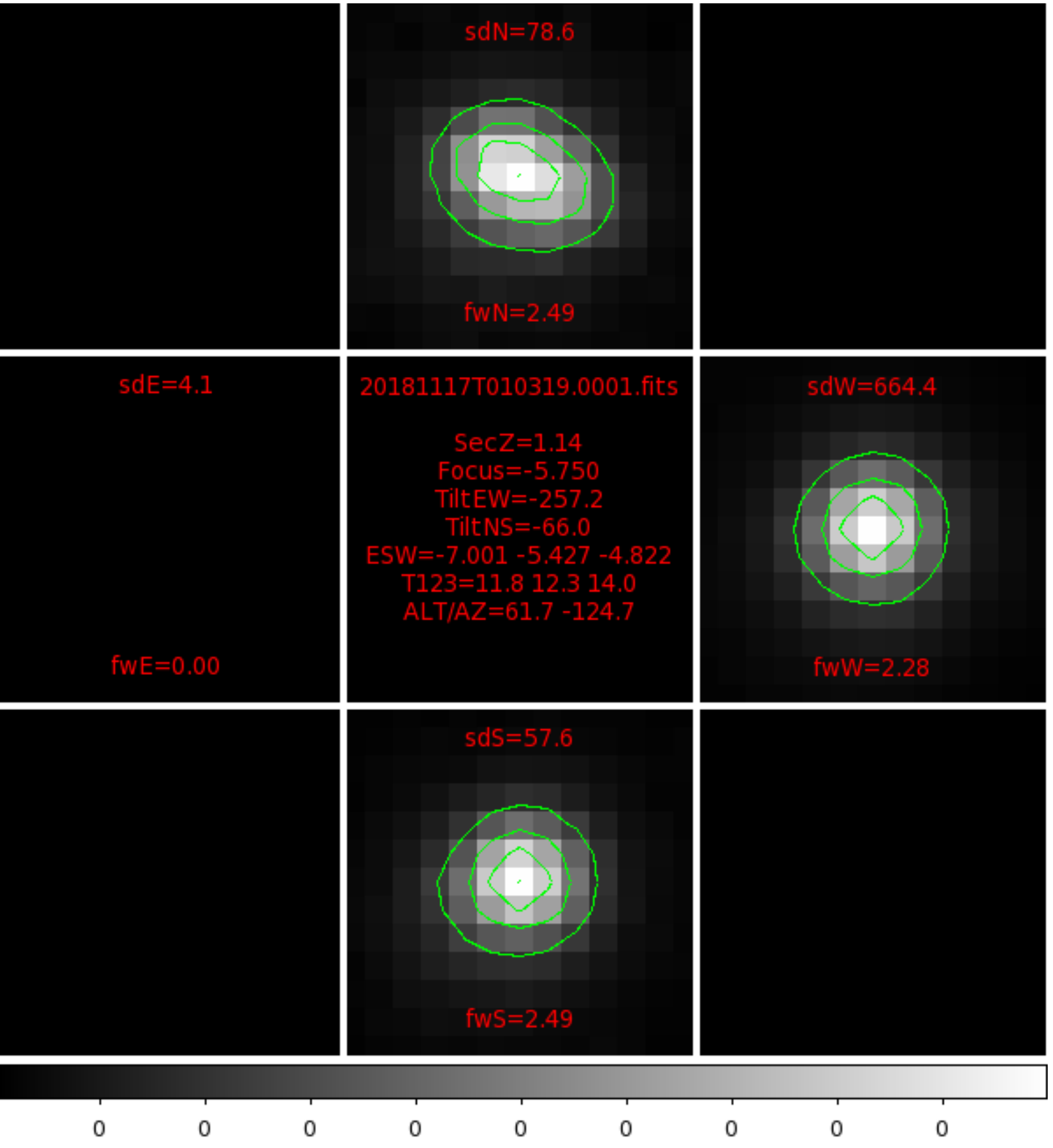

sdN=49.1
fwN=2.49
sdE=1.8
fwE=0.00
20181117T005450.0001.fits
SecZ=1.12
Focus=-5.750
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.001 -5.427 -4.822
T123=11.9 12.4 14.0
ALT/AZ=63.2 -127.9
sdW=401.2
fwW=2.22
sdS=30.6
fwS=2.49
0 0 0 0 0 0 0 0 0

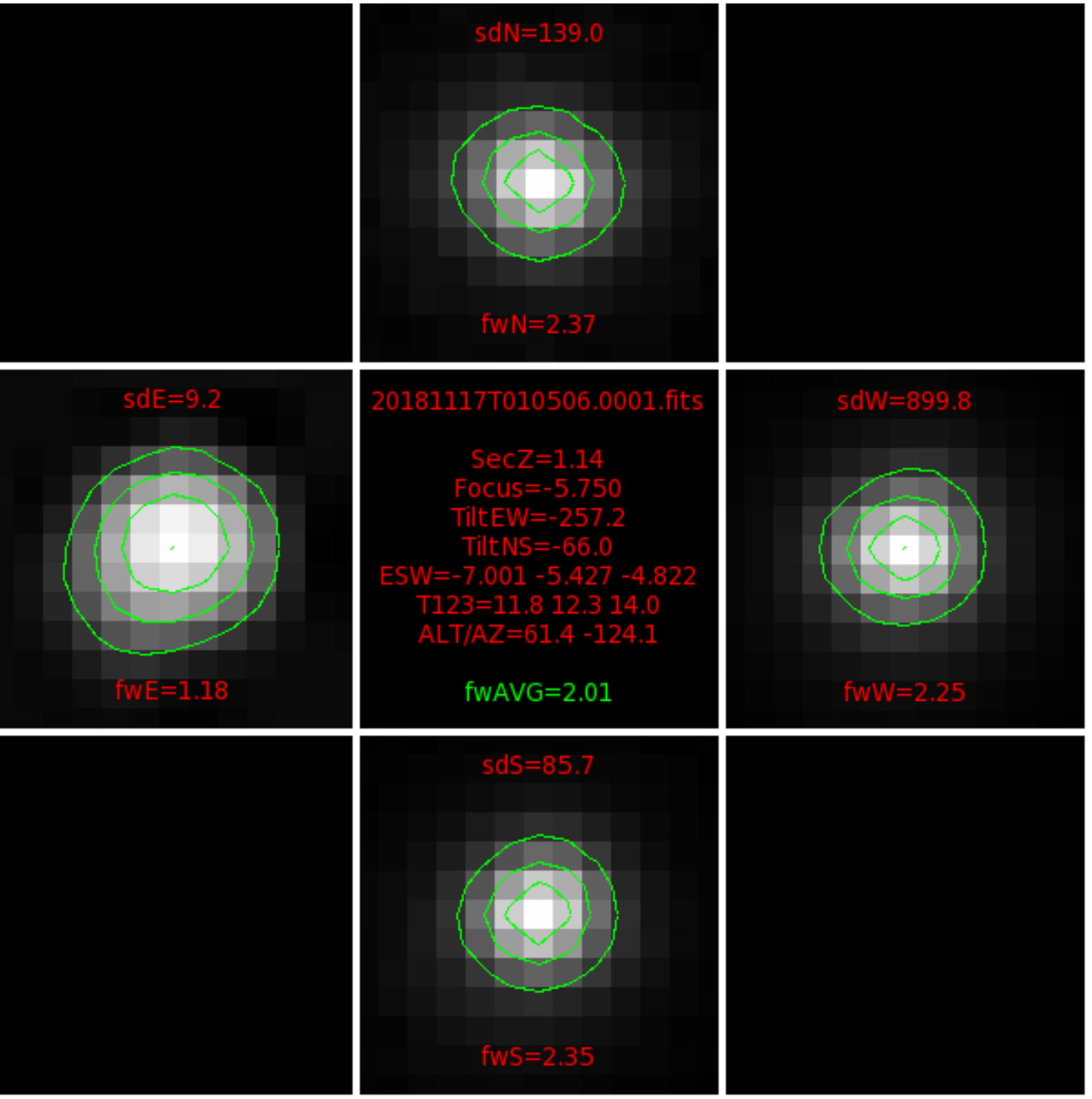

sdN=33.6
fwN=2.68
sdE=0.5
fwE=0.00
20181117T005629.0001.fits
SecZ=1.12
Focus=-5.750
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.001 -5.427 -4.822
T123=11.9 12.4 14.0
ALT/AZ=62.9 -127.2
sdW=319.6
fwW=2.18
sdS=22.2
fwS=2.57
0 0 0 0 0 0 0 0 0

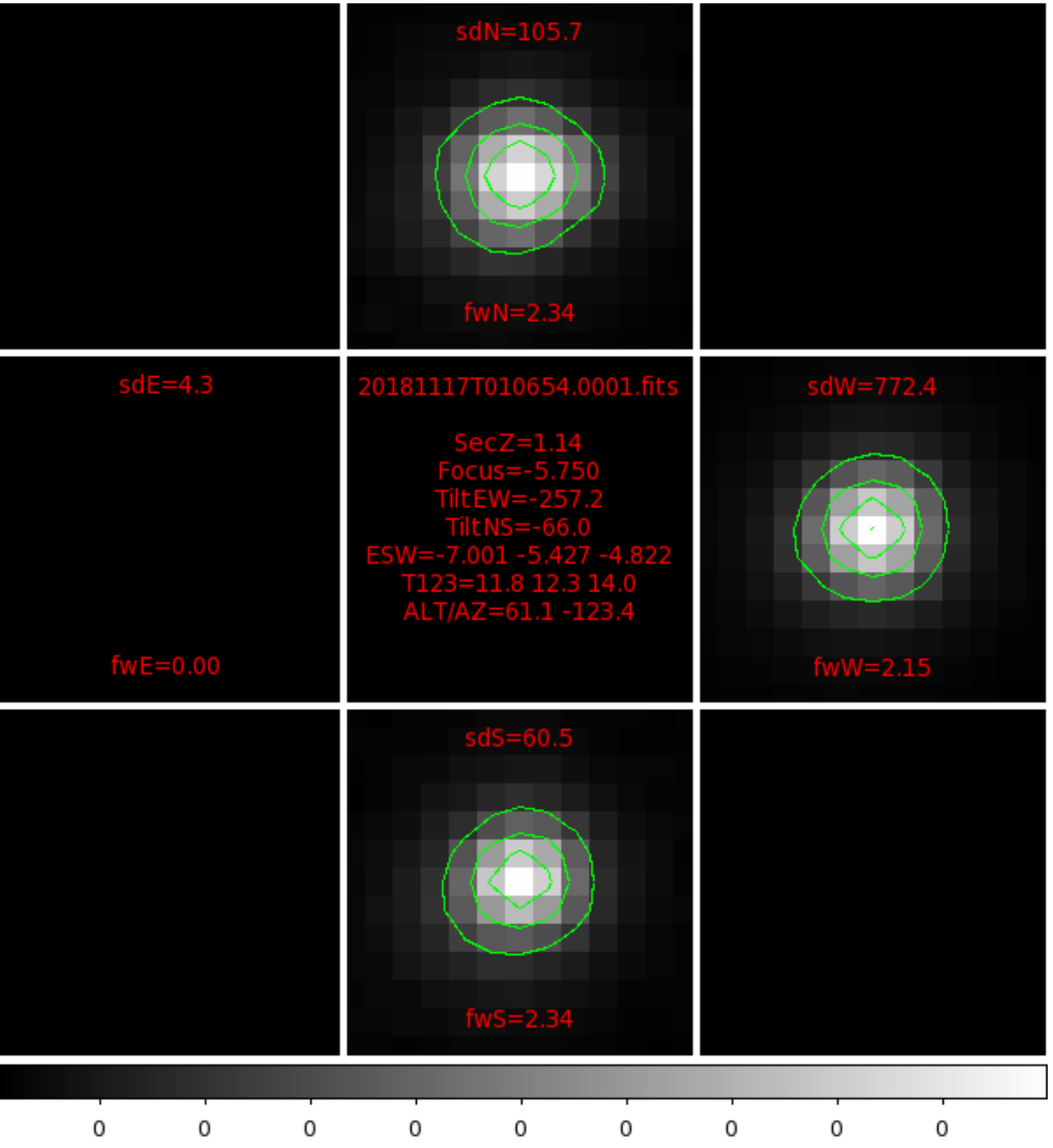

sdN=55.1
fwN=2.36
sdE=2.2
fwE=0.00
20181117T005806.0001.fits
SecZ=1.13
Focus=-5.750
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.001 -5.427 -4.822
T123=11.9 12.3 14.0
ALT/AZ=62.6 -126.6
sdW=463.6
fwW=2.19
sdS=35.5
fwS=2.39
0 0 0 0 0 0 0 0 0

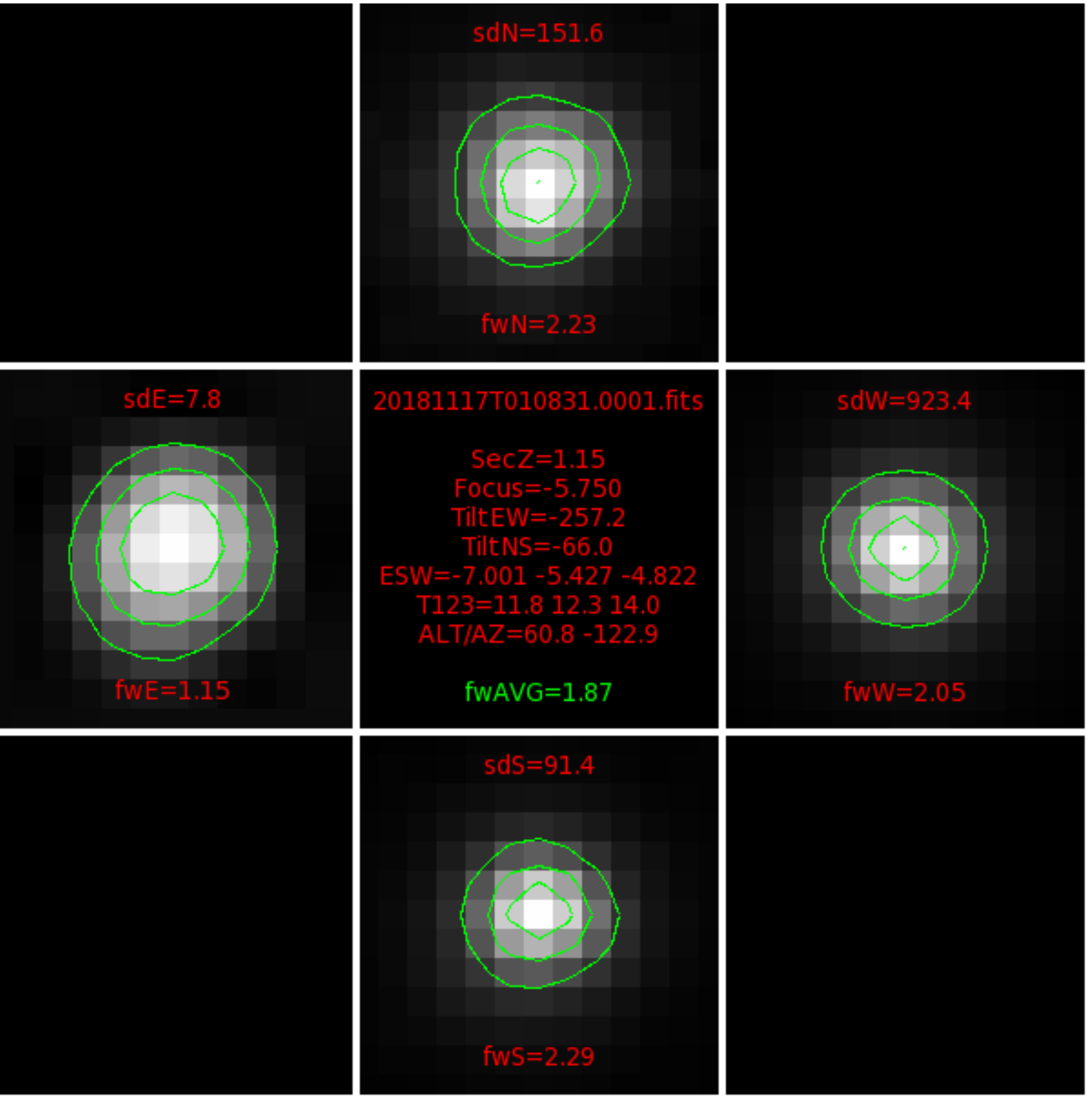

sdN=62.8
fwN=2.27
sdE=3.2
fwE=1.39
20181117T005954.0001.fits
SecZ=1.13
Focus=-5.750
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.001 -5.427 -4.822
T123=11.9 12.3 14.0
ALT/AZ=62.3 -125.9
fwAVG=2.00
sdW=544.3
fwW=2.17
sdS=45.0
fwS=2.59
0 0 0 0 0 0 0 0 0

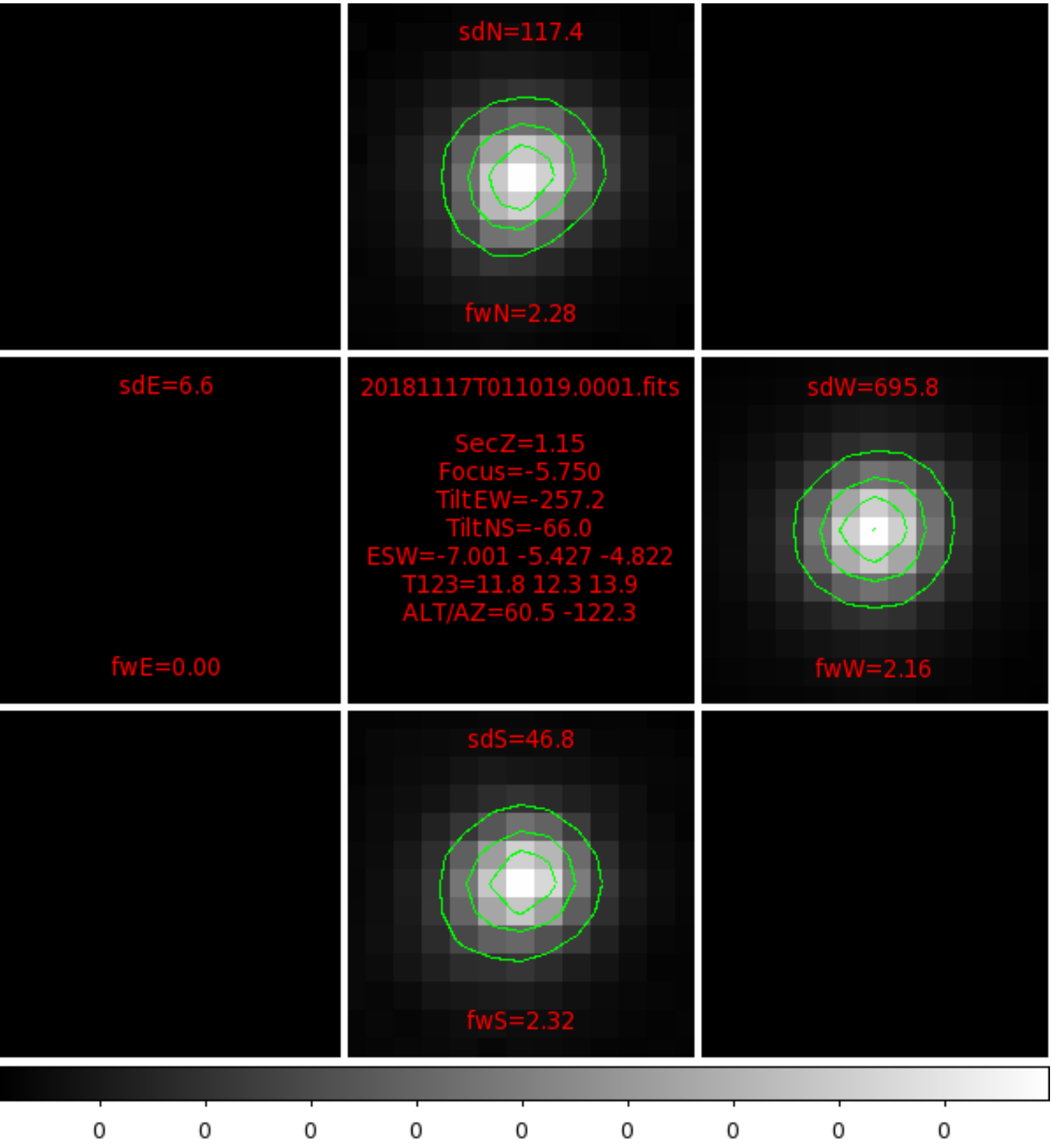

sdN=57.7
fwN=2.54
sdE=2.0
fwE=0.00
20181117T010142.0001.fits
SecZ=1.13
Focus=-5.750
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.001 -5.427 -4.822
T123=11.9 12.3 14.0
ALT/AZ=62.0 -125.3
sdW=568.5
fwW=2.46
sdS=43.2
fwS=2.68
0 0 0 0 0 0 0 0 0

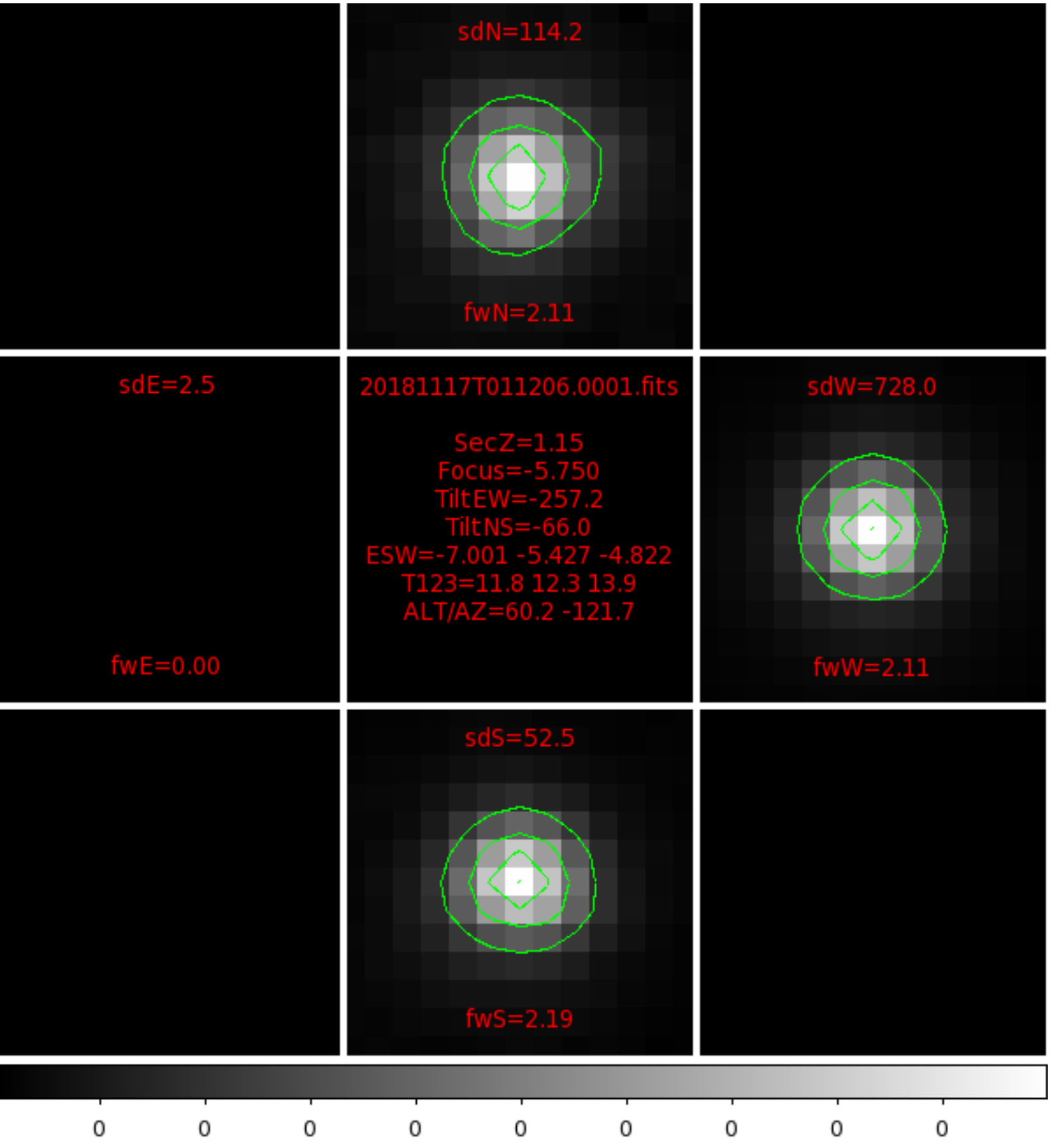

sdN=78.6
fwN=2.49
sdE=4.1
fwE=0.00
20181117T010319.0001.fits
SecZ=1.14
Focus=-5.750
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.001 -5.427 -4.822
T123=11.8 12.3 14.0
ALT/AZ=61.7 -124.7
sdW=664.4
fwW=2.28
sdS=57.6
fwS=2.49
0 0 0 0 0 0 0 0 0

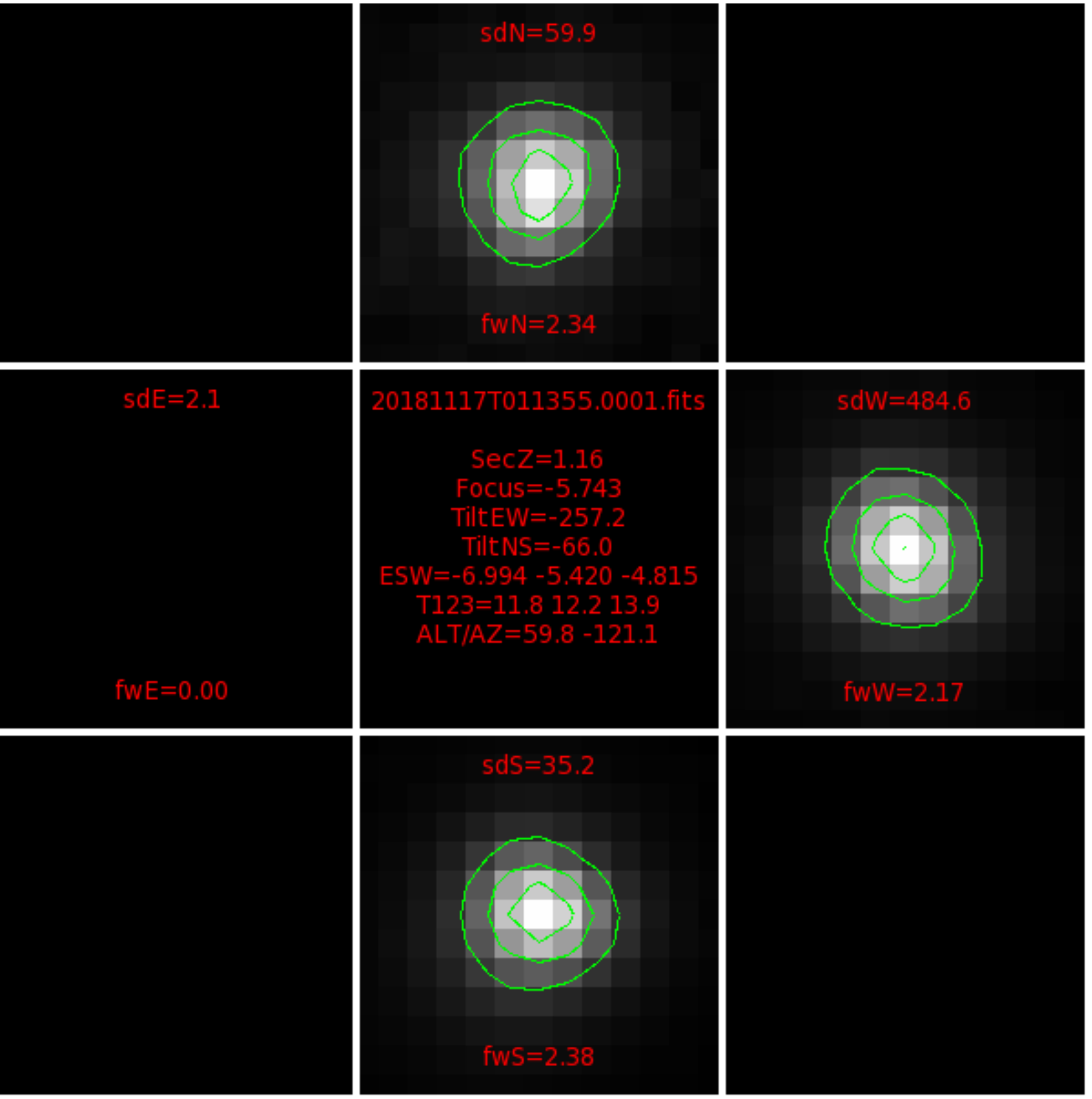

sdN=139.0
fwN=2.37
sdE=9.2
fwE=1.18
20181117T010506.0001.fits
SecZ=1.14
Focus=-5.750
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.001 -5.427 -4.822
T123=11.8 12.3 14.0
ALT/AZ=61.4 -124.1
fwAVG=2.01
sdW=899.8
fwW=2.25
sdS=85.7
fwS=2.35
0 0 0 0 0 0 0 0 0

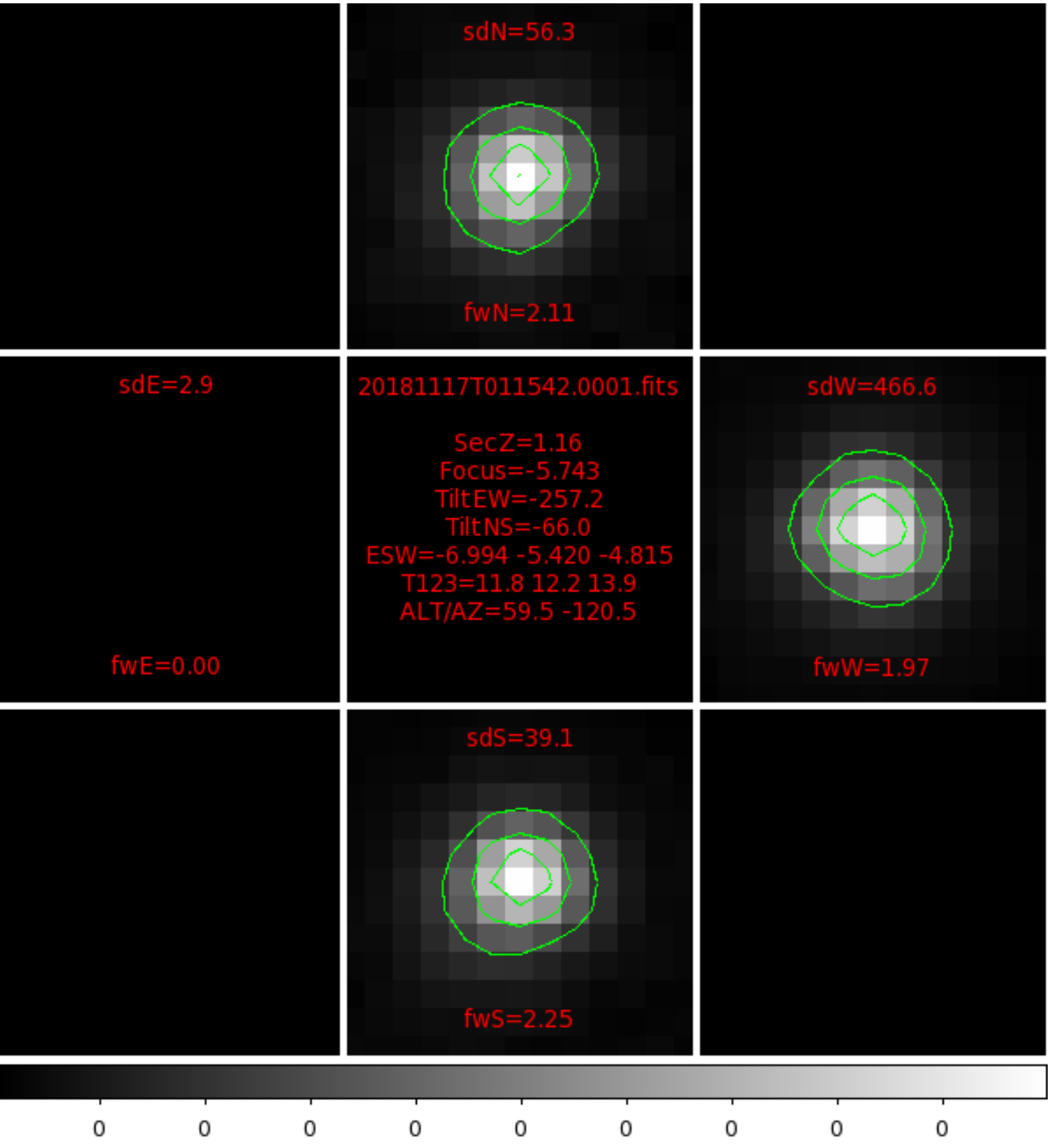

sdN=105.7
fwN=2.34
sdE=4.3
fwE=0.00
20181117T010654.0001.fits
SecZ=1.14
Focus=-5.750
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.001 -5.427 -4.822
T123=11.8 12.3 14.0
ALT/AZ=61.1 -123.4
sdW=772.4
fwW=2.15
sdS=60.5
fwS=2.34
0 0 0 0 0 0 0 0 0

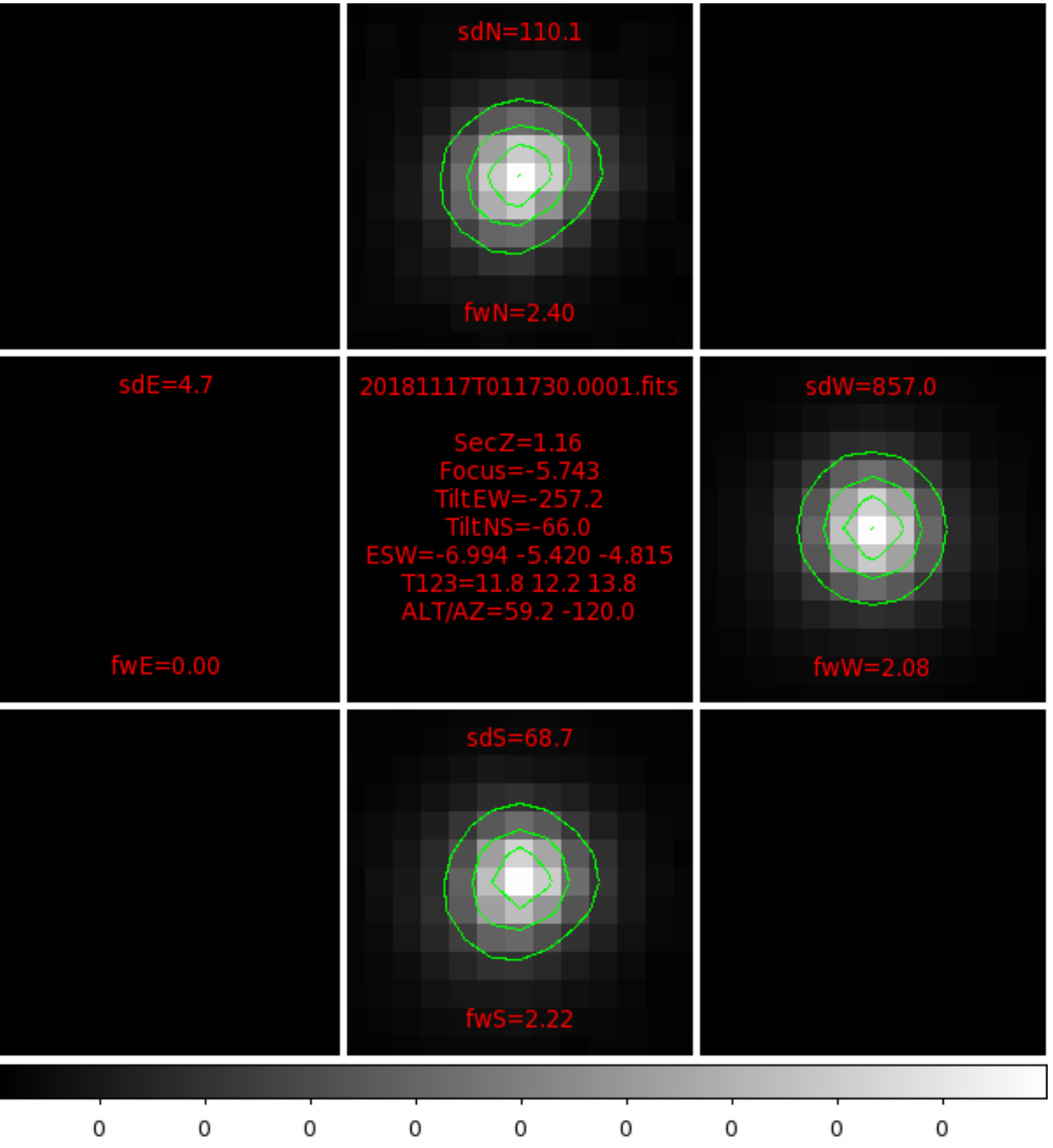

sdN=151.6
fwN=2.23
sdE=7.8
fwE=1.15
20181117T010831.0001.fits
SecZ=1.15
Focus=-5.750
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.001 -5.427 -4.822
T123=11.8 12.3 14.0
ALT/AZ=60.8 -122.9
fwAVG=1.87
sdW=923.4
fwW=2.05
sdS=91.4
fwS=2.29
0 0 0 0 0 0 0 0 0

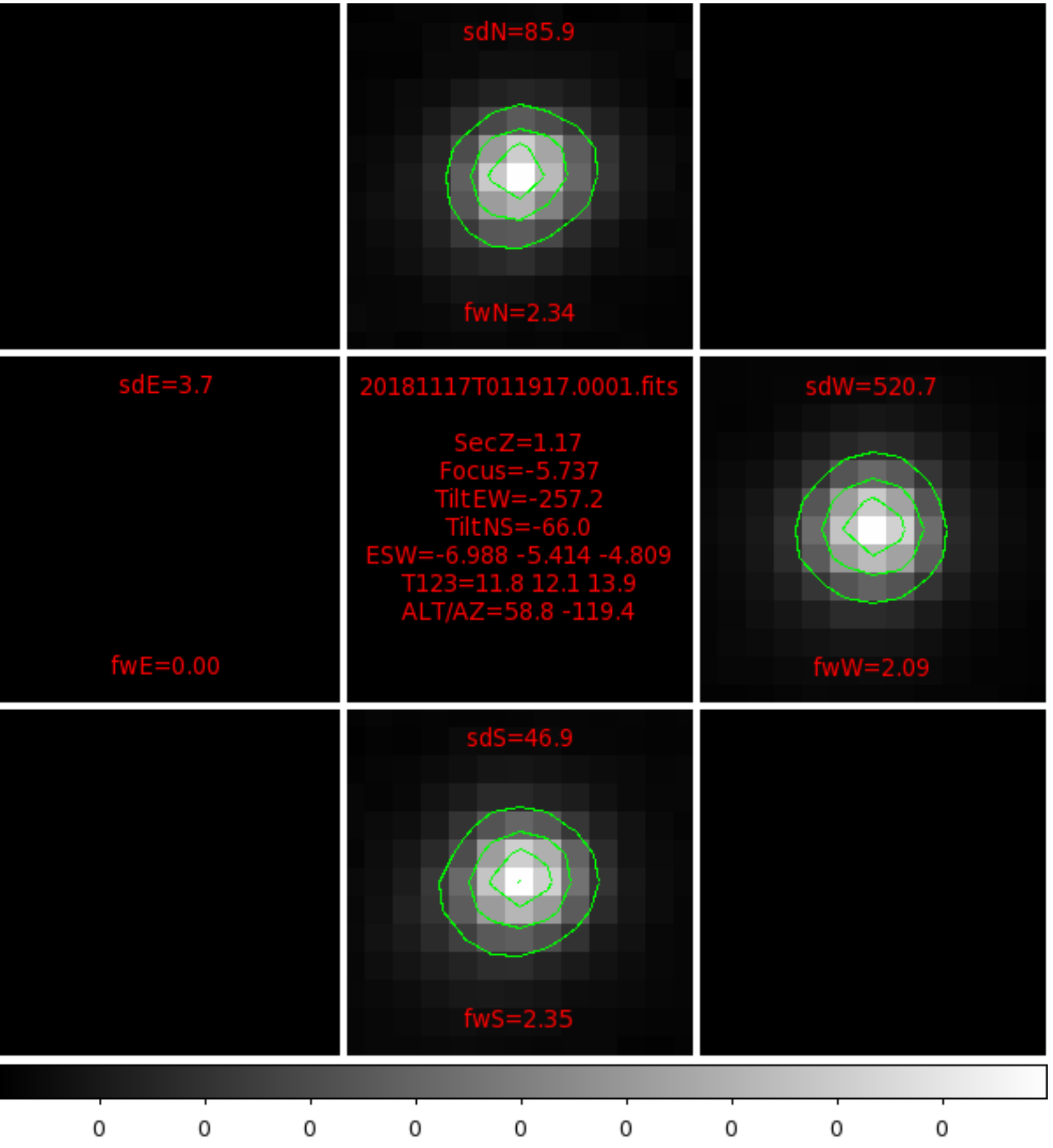

sdN=117.4
fwN=2.28
sdE=6.6
fwE=0.00
20181117T011019.0001.fits
SecZ=1.15
Focus=-5.750
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.001 -5.427 -4.822
T123=11.8 12.3 13.9
ALT/AZ=60.5 -122.3
sdW=695.8
fwW=2.16
sdS=46.8
fwS=2.32
0 0 0 0 0 0 0 0 0

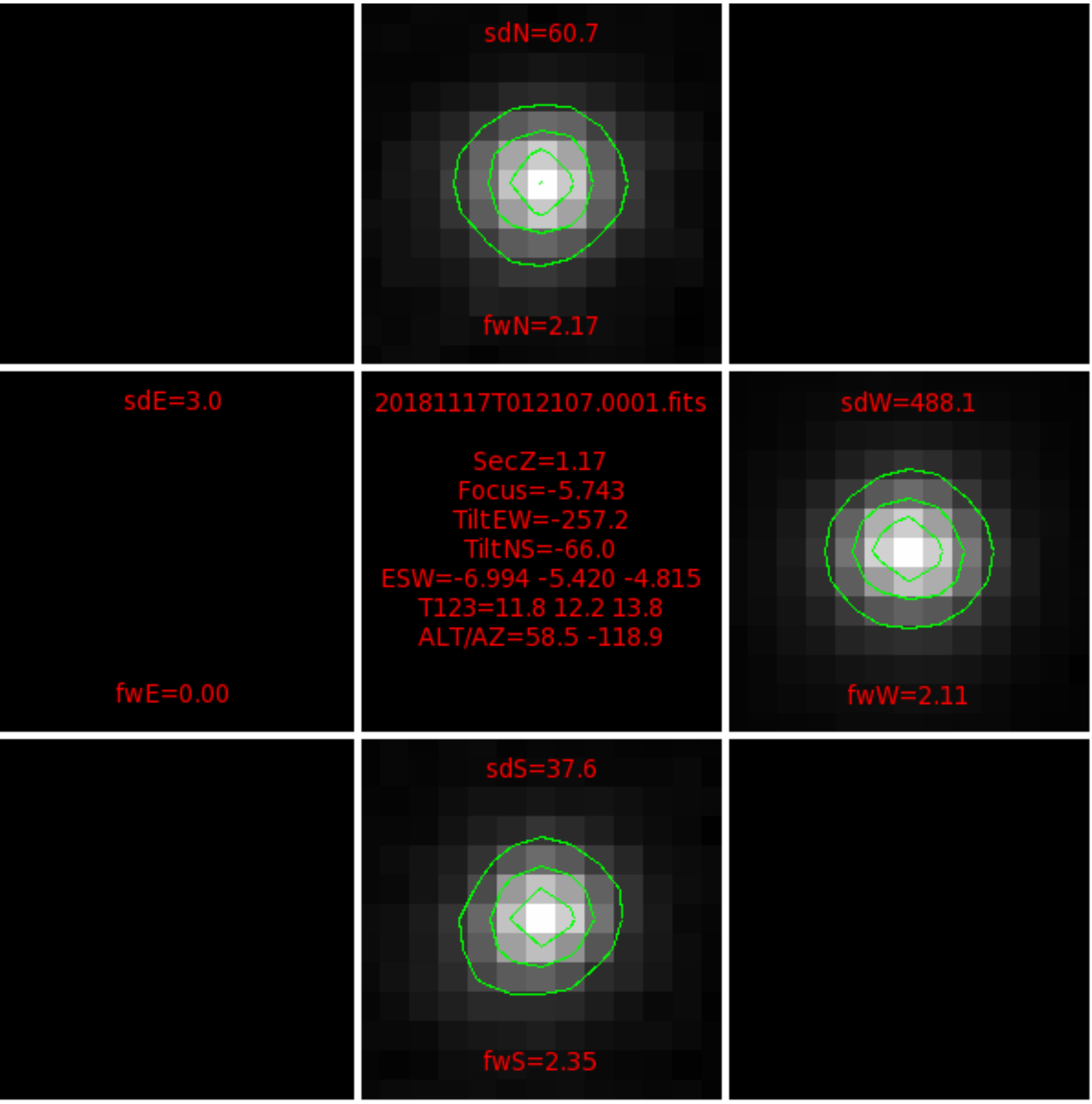

sdN=114.2
fwN=2.11
sdE=2.5
fwE=0.00
20181117T011206.0001.fits
SecZ=1.15
Focus=-5.750
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.001 -5.427 -4.822
T123=11.8 12.3 13.9
ALT/AZ=60.2 -121.7
sdW=728.0
fwW=2.11
sdS=52.5
fwS=2.19
0 0 0 0 0 0 0 0 0

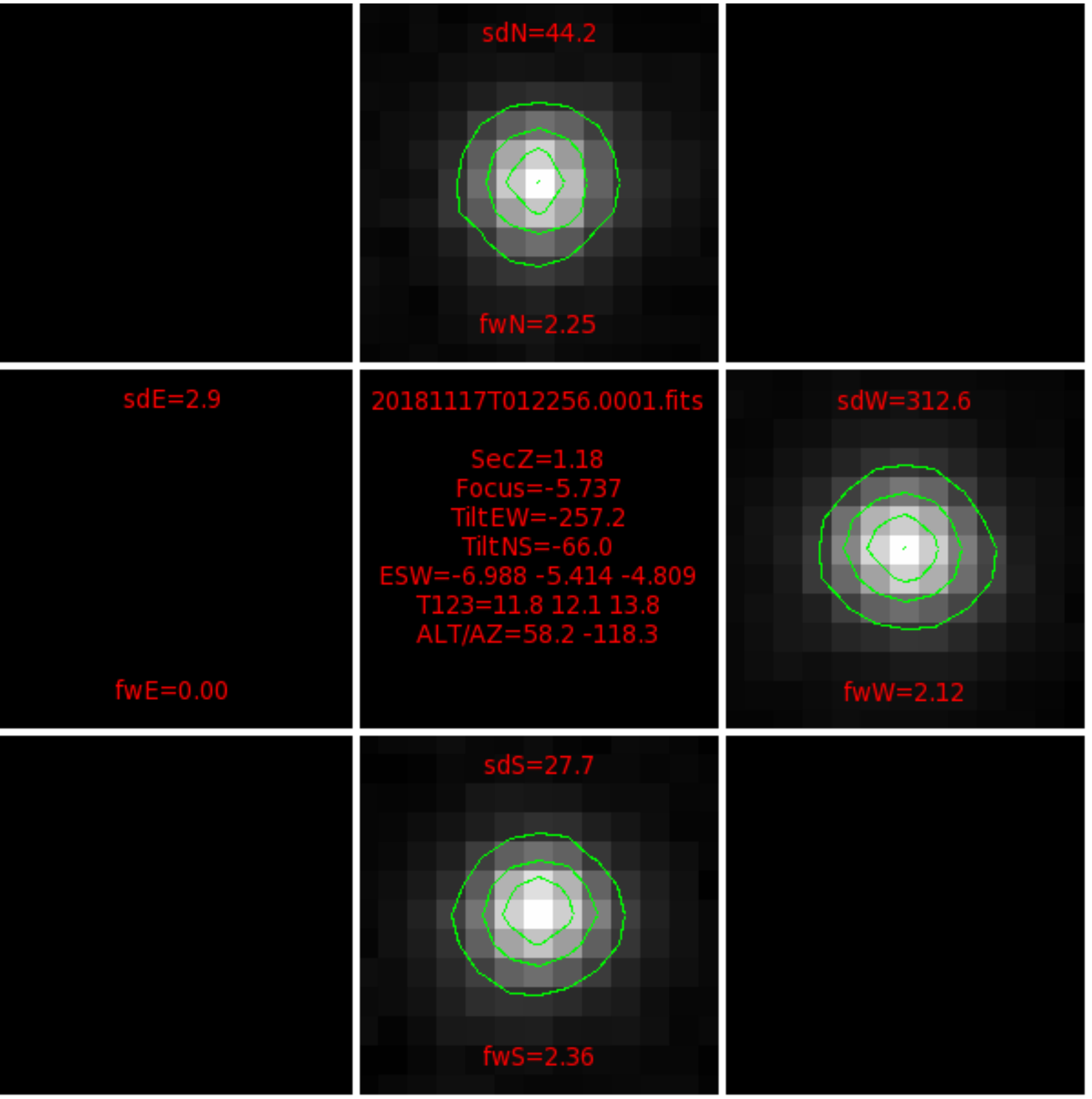

sdN=59.9
fwN=2.34
sdE=2.1
fwE=0.00
20181117T011355.0001.fits
SecZ=1.16
Focus=-5.743
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.994 -5.420 -4.815
T123=11.8 12.2 13.9
ALT/AZ=59.8 -121.1
sdW=484.6
fwW=2.17
sdS=35.2
fwS=2.38
0 0 0 0 0 0 0 0 0

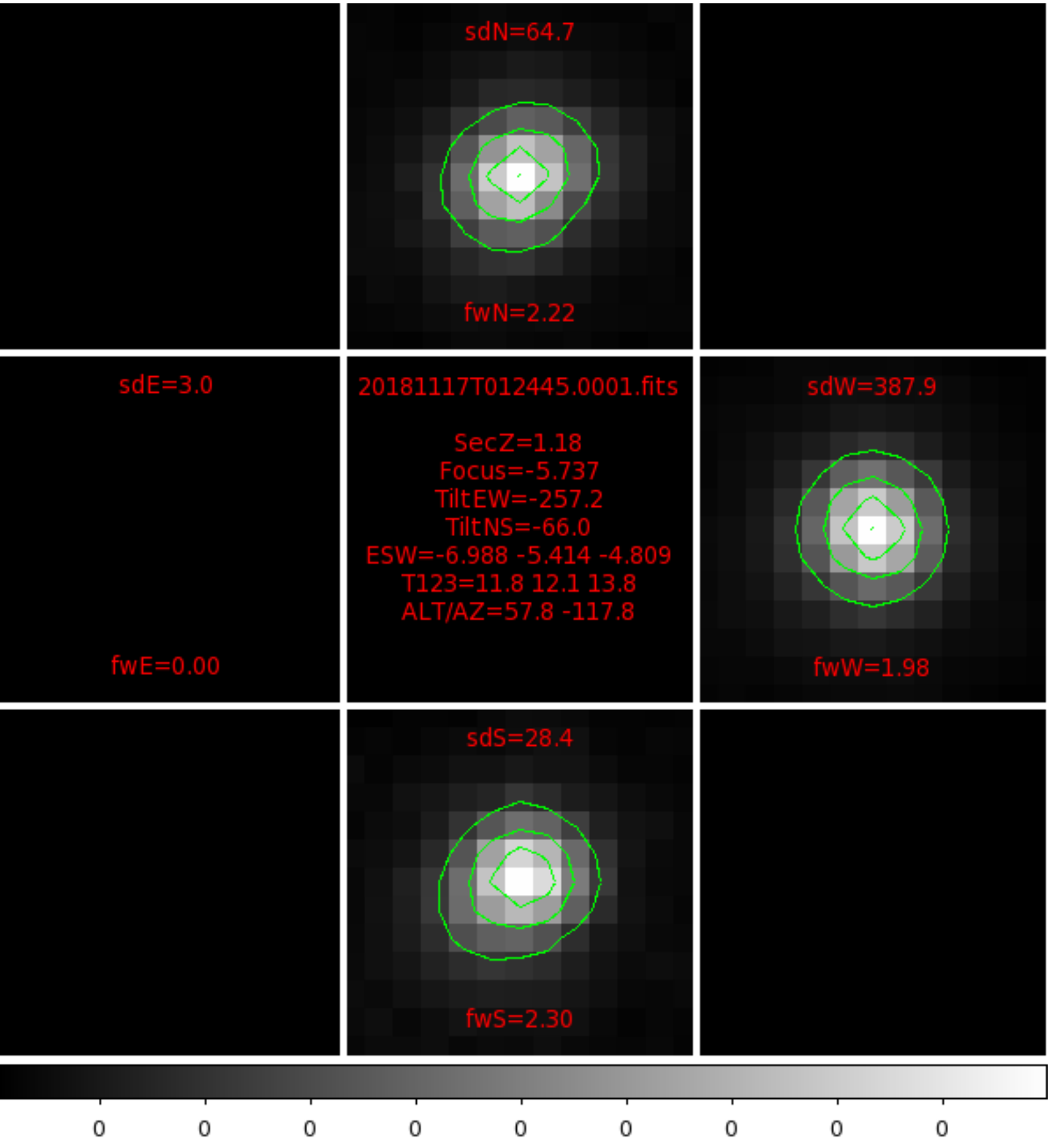

sdN=56.3
fwN=2.11
sdE=2.9
fwE=0.00
20181117T011542.0001.fits
SecZ=1.16
Focus=-5.743
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.994 -5.420 -4.815
T123=11.8 12.2 13.9
ALT/AZ=59.5 -120.5
sdW=466.6
fwW=1.97
sdS=39.1
fwS=2.25
0 0 0 0 0 0 0 0 0

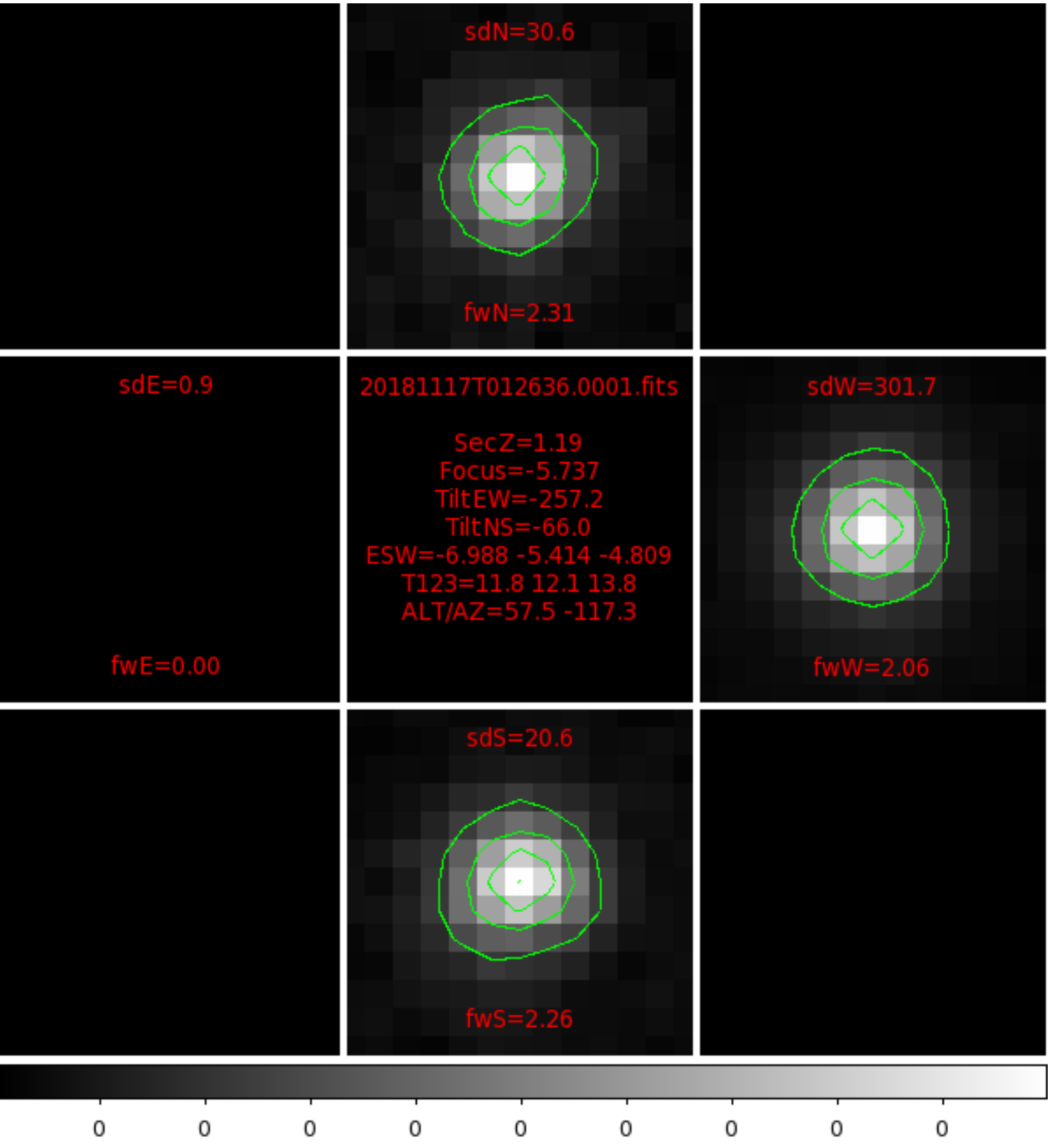

sdN=110.1
fwN=2.40
sdE=4.7
fwE=0.00
20181117T011730.0001.fits
SecZ=1.16
Focus=-5.743
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.994 -5.420 -4.815
T123=11.8 12.2 13.8
ALT/AZ=59.2 -120.0
sdW=857.0
fwW=2.08
sdS=68.7
fwS=2.22
0 0 0 0 0 0 0 0 0

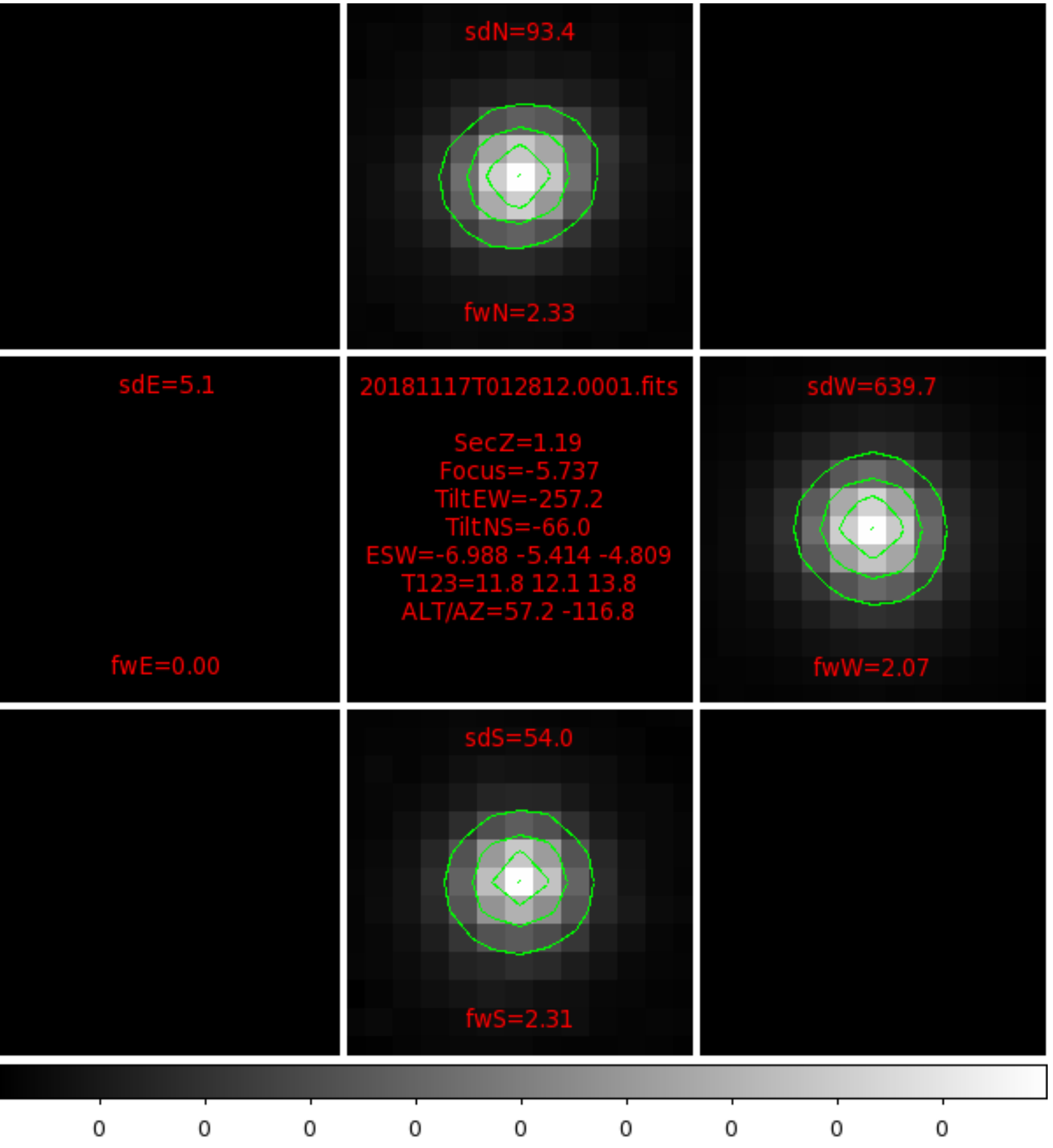

sdN=85.9
fwN=2.34
sdE=3.7
fwE=0.00
20181117T011917.0001.fits
SecZ=1.17
Focus=-5.737
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.988 -5.414 -4.809
T123=11.8 12.1 13.9
ALT/AZ=58.8 -119.4
sdW=520.7
fwW=2.09
sdS=46.9
fwS=2.35
0 0 0 0 0 0 0 0 0

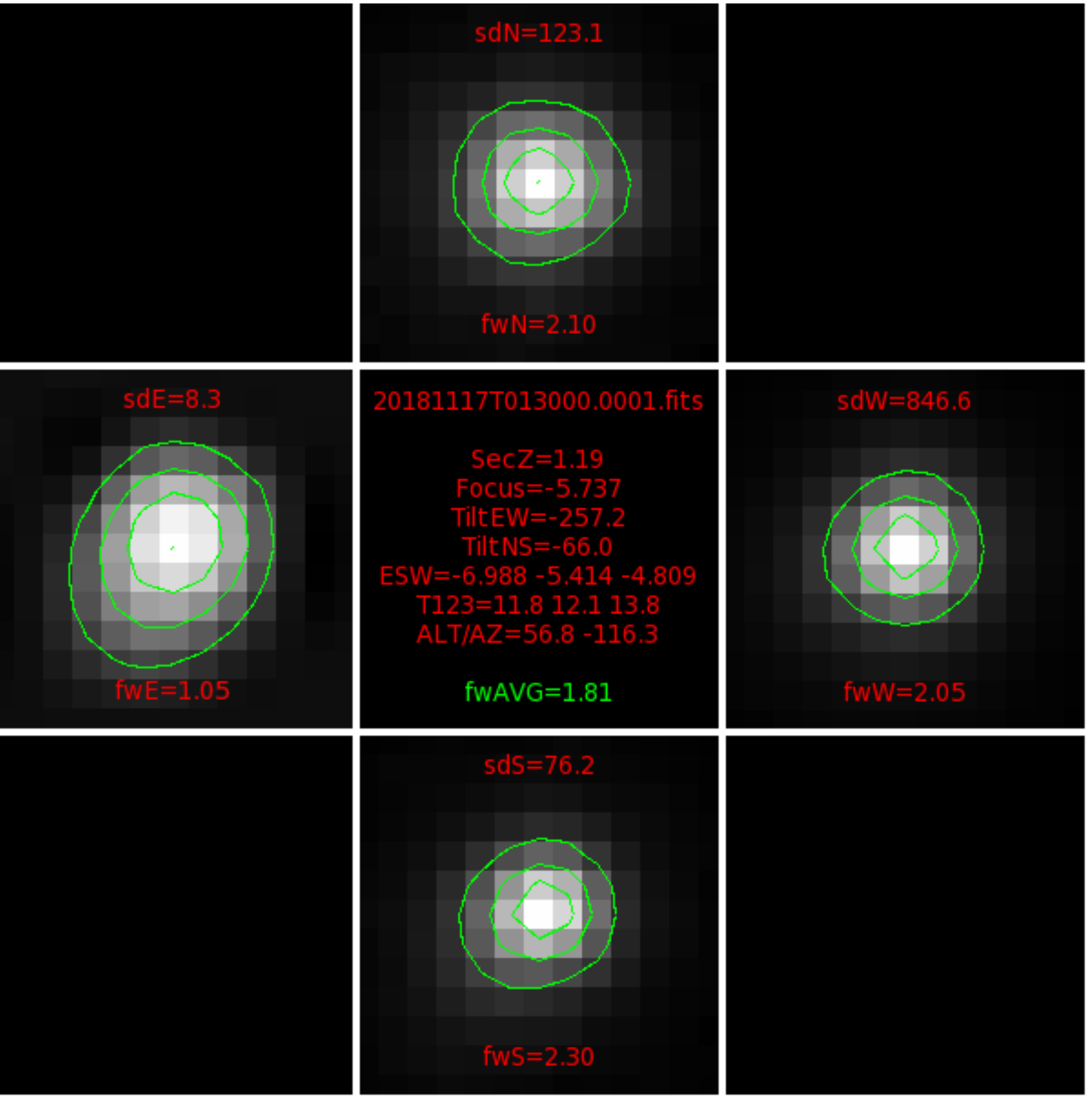

sdN=60.7
fwN=2.17
sdE=3.0
fwE=0.00
20181117T012107.0001.fits
SecZ=1.17
Focus=-5.743
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.994 -5.420 -4.815
T123=11.8 12.2 13.8
ALT/AZ=58.5 -118.9
sdW=488.1
fwW=2.11
sdS=37.6
fwS=2.35
0 0 0 0 0 0 0 0 0

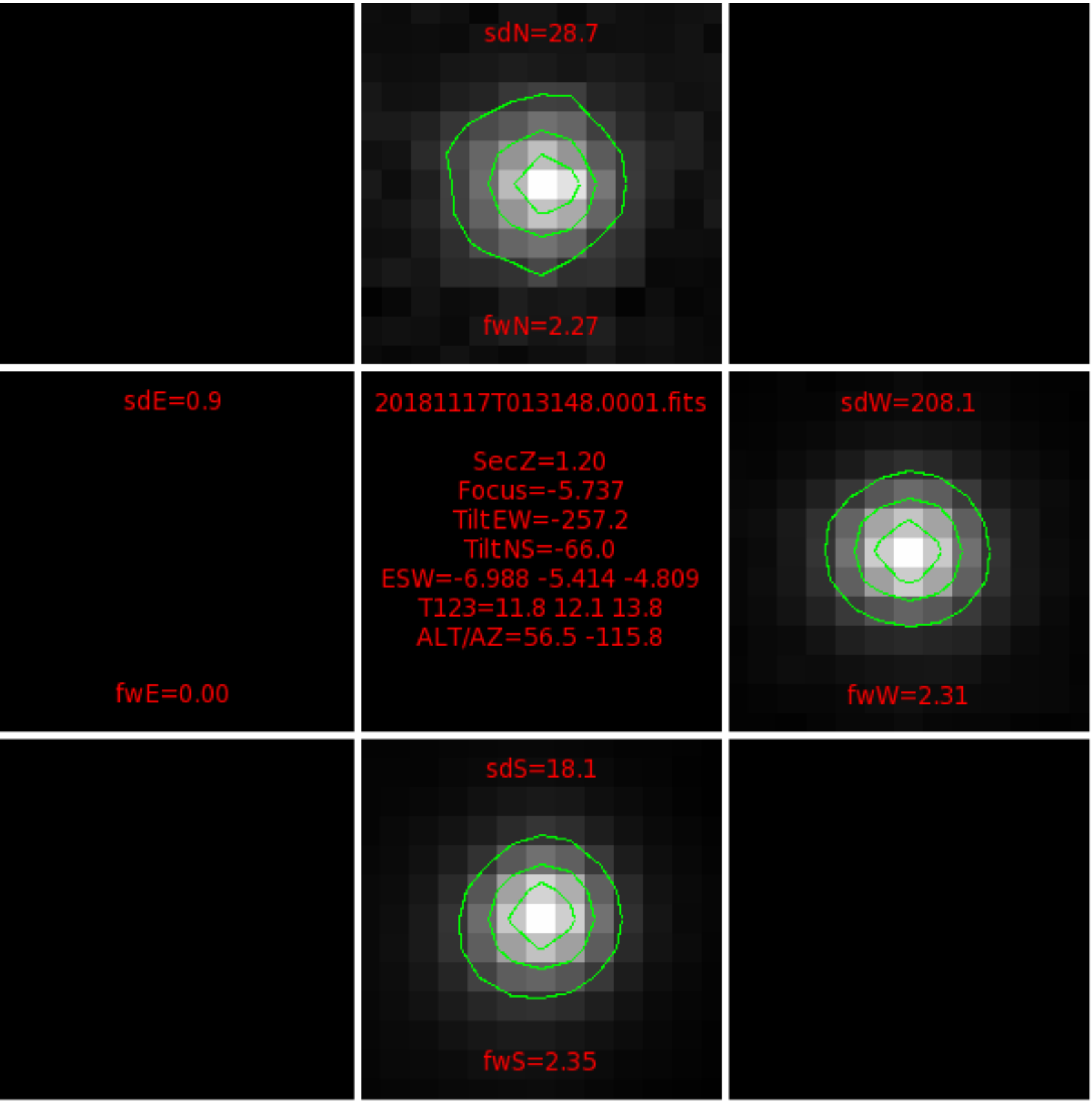

sdN=44.2
fwN=2.25
sdE=2.9
fwE=0.00
20181117T012256.0001.fits
SecZ=1.18
Focus=-5.737
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.988 -5.414 -4.809
T123=11.8 12.1 13.8
ALT/AZ=58.2 -118.3
sdW=312.6
fwW=2.12
sdS=27.7
fwS=2.36
0 0 0 0 0 0 0 0 0

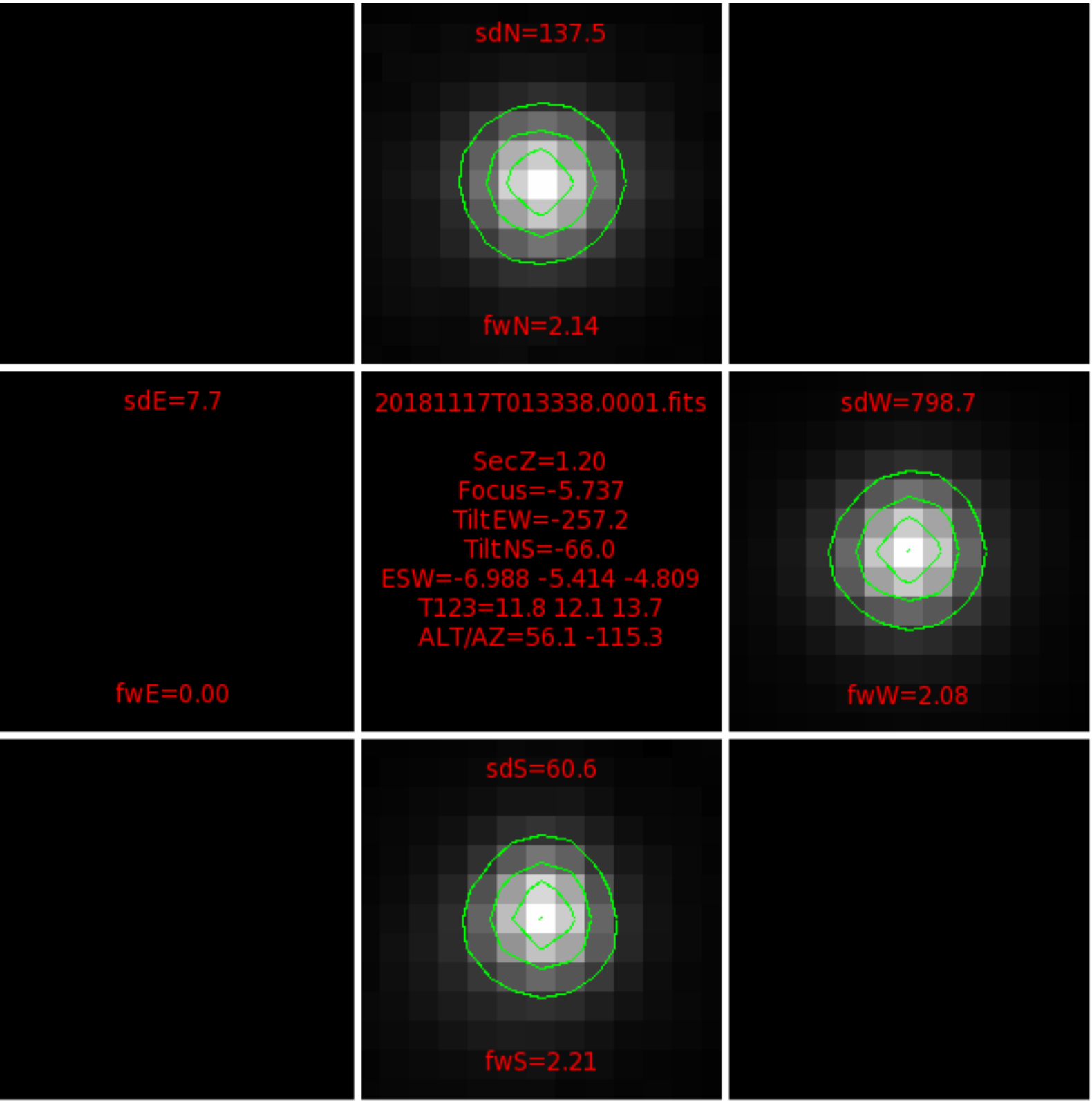

sdN=64.7
fwN=2.22
sdE=3.0
fwE=0.00
20181117T012445.0001.fits
SecZ=1.18
Focus=-5.737
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.988 -5.414 -4.809
T123=11.8 12.1 13.8
ALT/AZ=57.8 -117.8
sdW=387.9
fwW=1.98
sdS=28.4
fwS=2.30
0 0 0 0 0 0 0 0 0

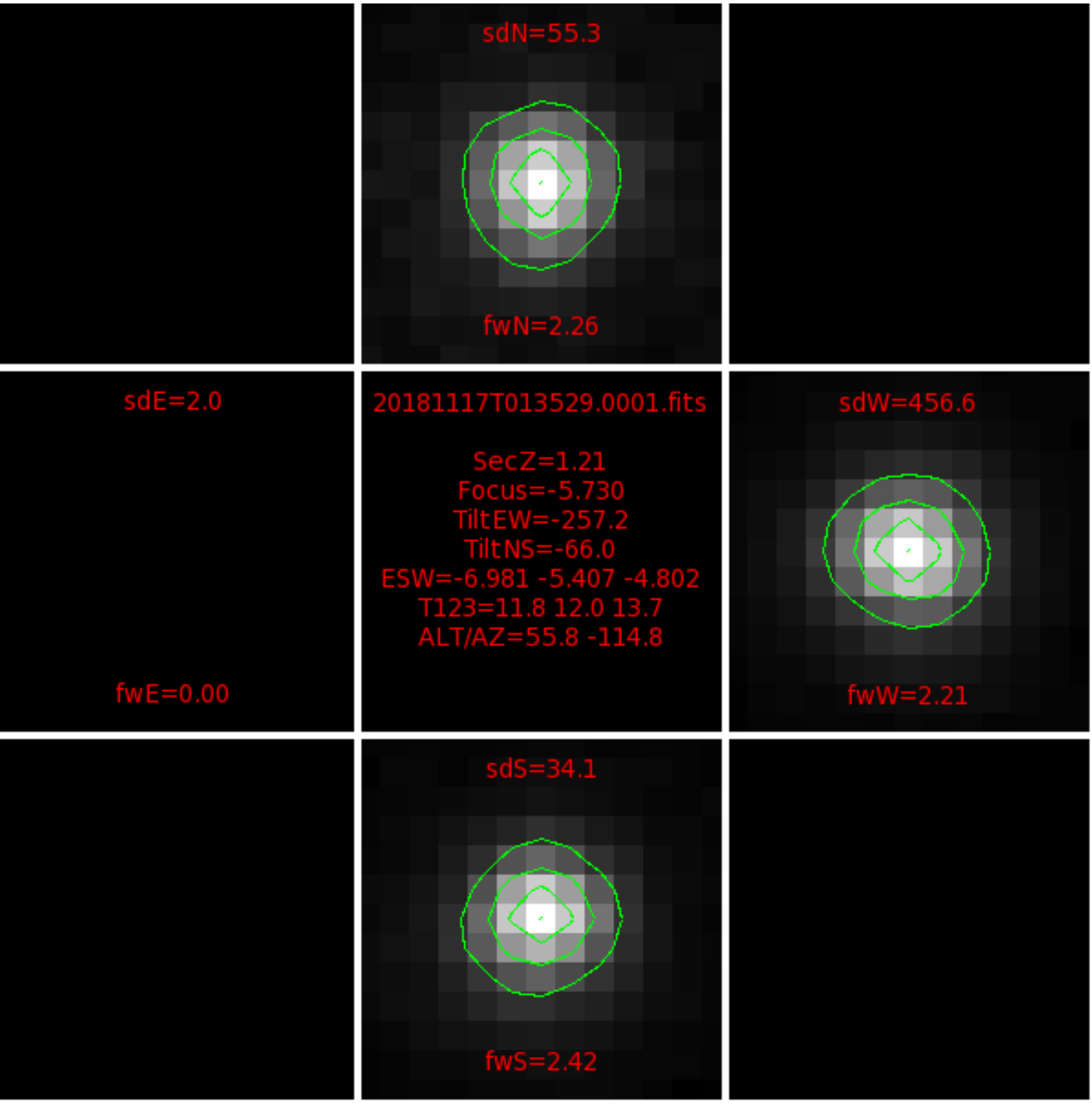

sdN=30.6
fwN=2.31
sdE=0.9
fwE=0.00
20181117T012636.0001.fits
SecZ=1.19
Focus=-5.737
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.988 -5.414 -4.809
T123=11.8 12.1 13.8
ALT/AZ=57.5 -117.3
sdW=301.7
fwW=2.06
sdS=20.6
fwS=2.26
0 0 0 0 0 0 0 0 0

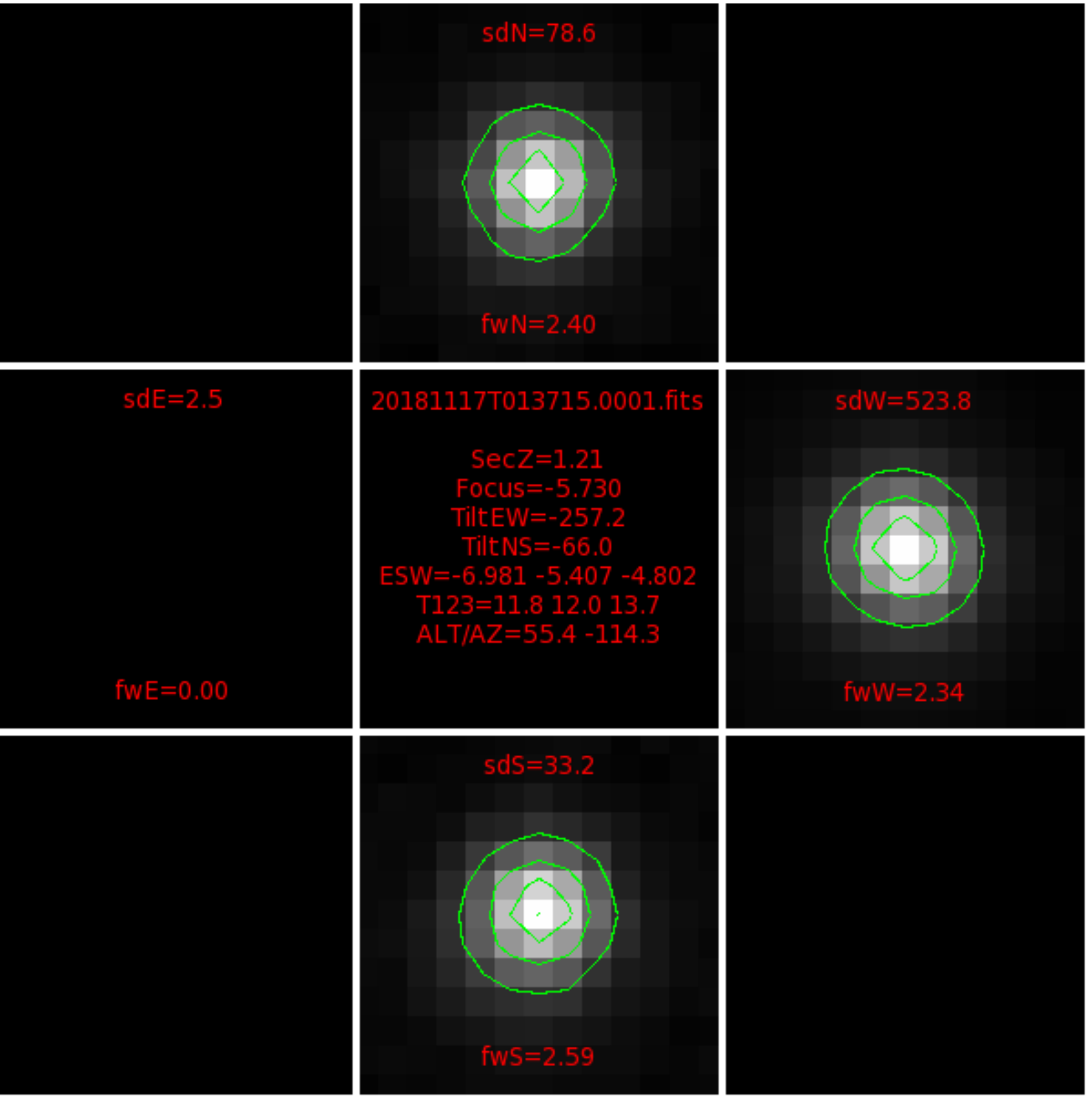

sdN=93.4
fwN=2.33
sdE=5.1
fwE=0.00
20181117T012812.0001.fits
SecZ=1.19
Focus=-5.737
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.988 -5.414 -4.809
T123=11.8 12.1 13.8
ALT/AZ=57.2 -116.8
sdW=639.7
fwW=2.07
sdS=54.0
fwS=2.31
0 0 0 0 0 0 0 0 0

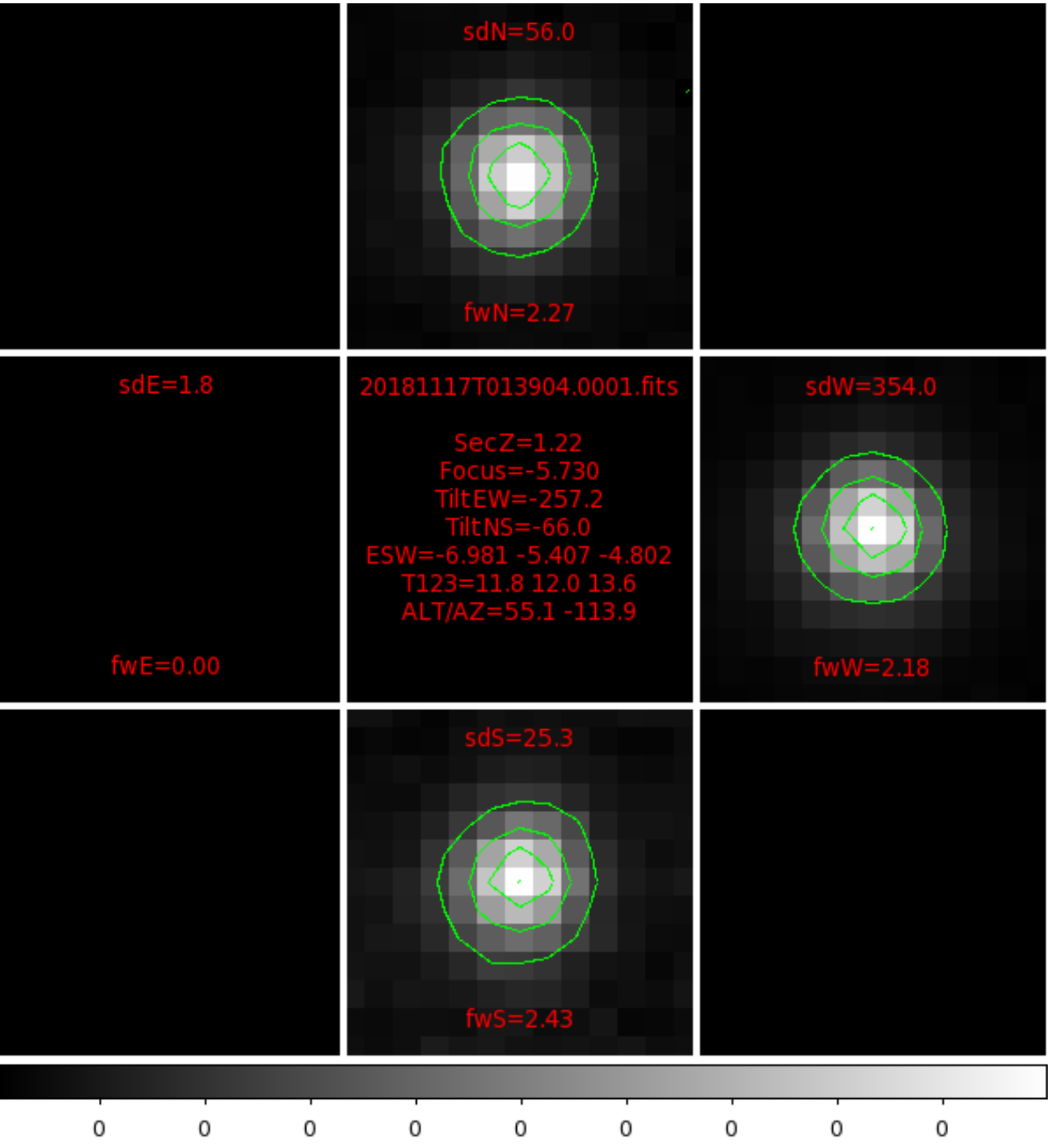

sdN=123.1
fwN=2.10
sdE=8.3
fwE=1.05
20181117T013000.0001.fits
SecZ=1.19
Focus=-5.737
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.988 -5.414 -4.809
T123=11.8 12.1 13.8
ALT/AZ=56.8 -116.3
fwAVG=1.81
sdW=846.6
fwW=2.05
sdS=76.2
fwS=2.30
0 0 0 0 0 0 0 0 0

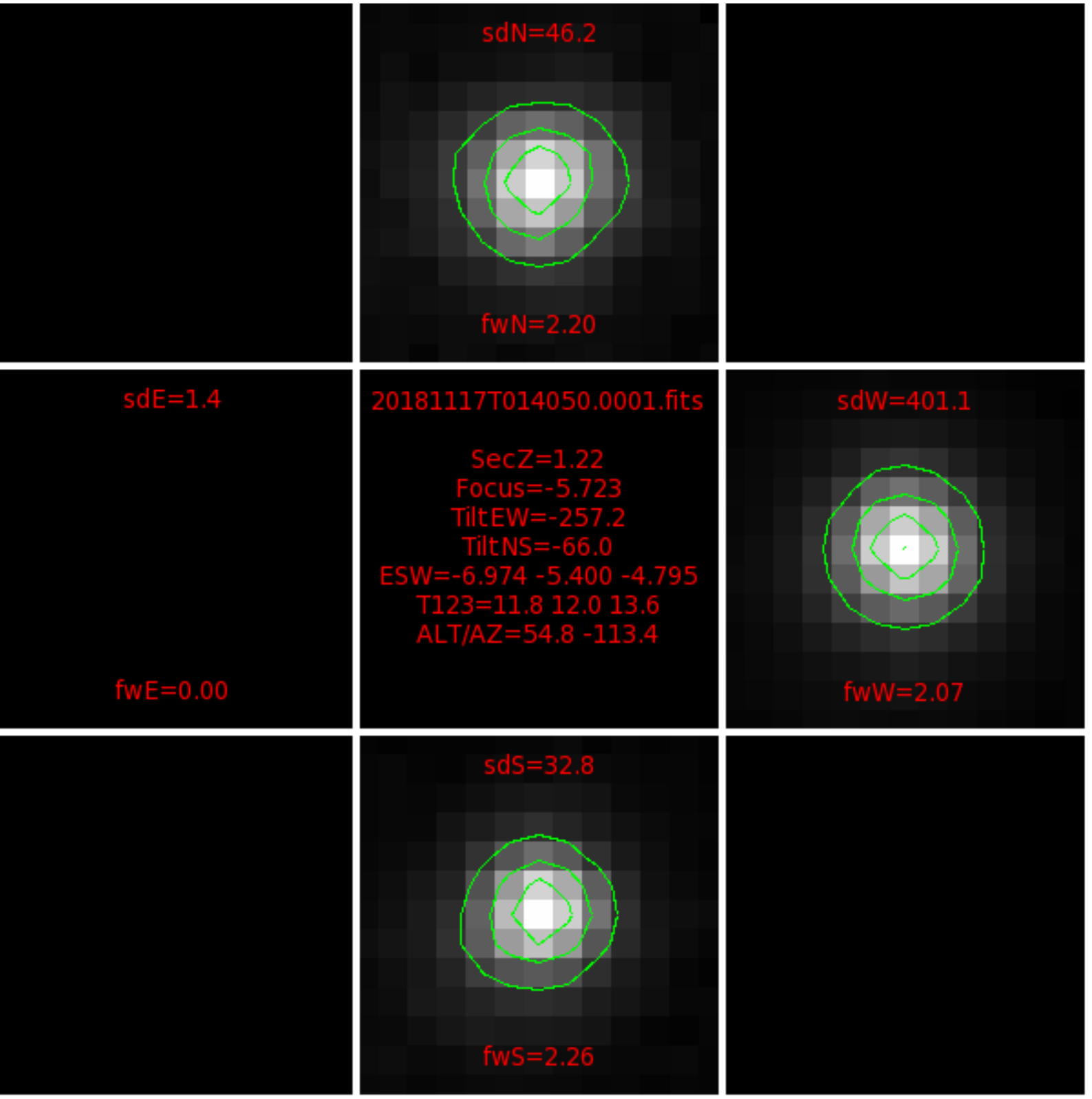

sdN=28.7
fwN=2.27
sdE=0.9
fwE=0.00
20181117T013148.0001.fits
SecZ=1.20
Focus=-5.737
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.988 -5.414 -4.809
T123=11.8 12.1 13.8
ALT/AZ=56.5 -115.8
sdW=208.1
fwW=2.31
sdS=18.1
fwS=2.35
0 0 0 0 0 0 0 0 0

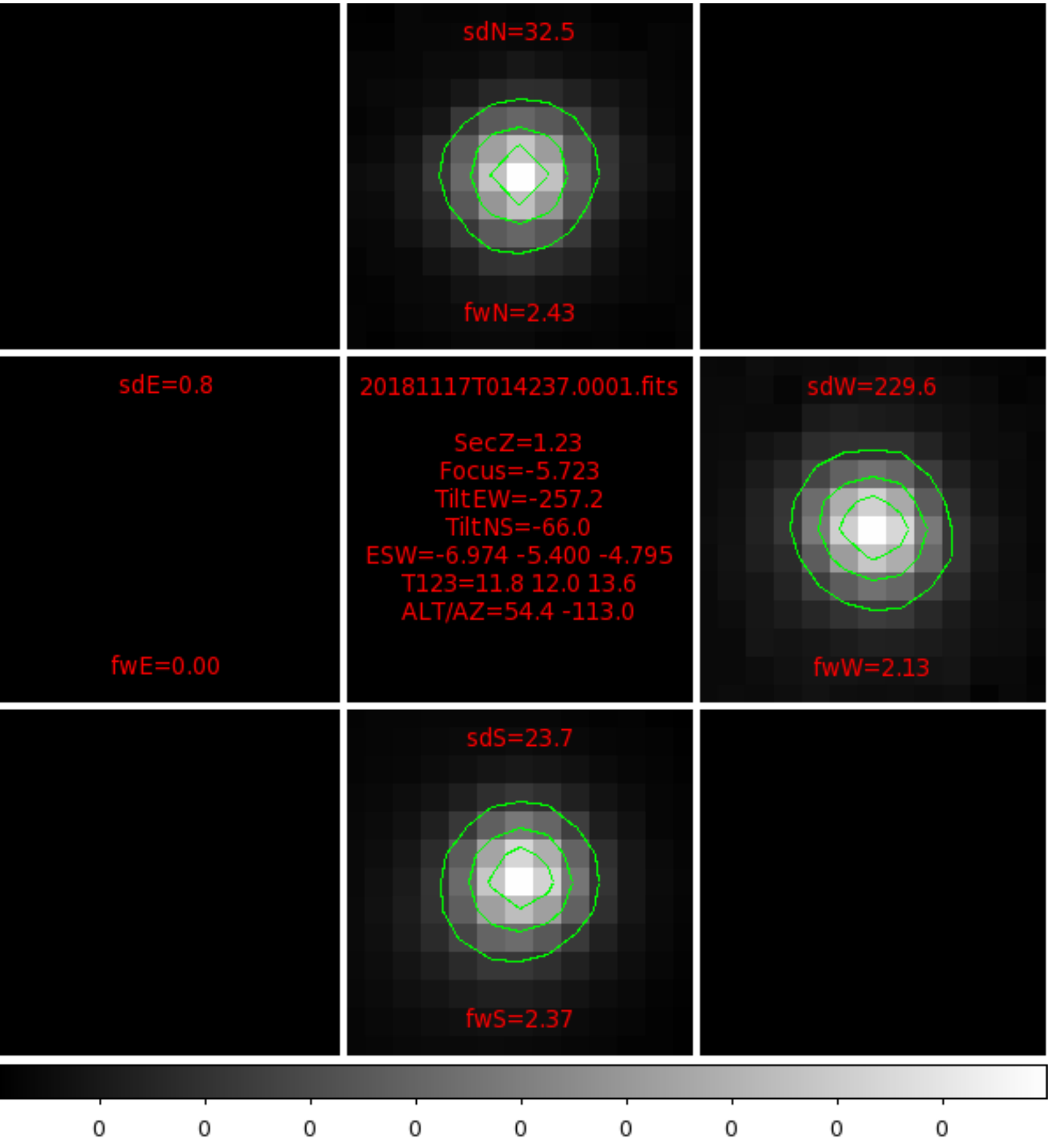

sdN=137.5
fwN=2.14
sdE=7.7
fwE=0.00
20181117T013338.0001.fits
SecZ=1.20
Focus=-5.737
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.988 -5.414 -4.809
T123=11.8 12.1 13.7
ALT/AZ=56.1 -115.3
sdW=798.7
fwW=2.08
sdS=60.6
fwS=2.21
0 0 0 0 0 0 0 0 0

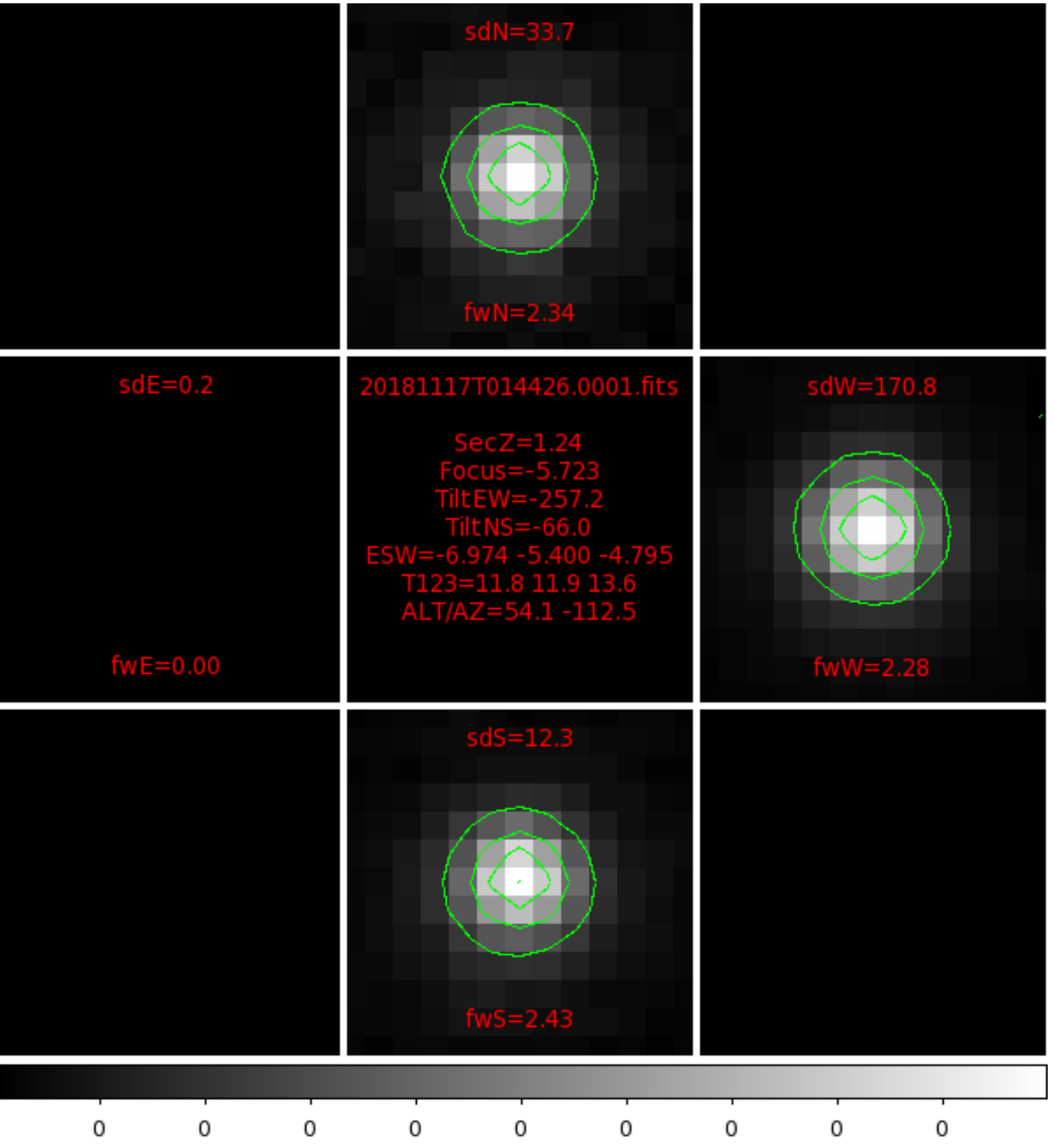

sdN=55.3
fwN=2.26
sdE=2.0
fwE=0.00
20181117T013529.0001.fits
SecZ=1.21
Focus=-5.730
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.981 -5.407 -4.802
T123=11.8 12.0 13.7
ALT/AZ=55.8 -114.8
sdW=456.6
fwW=2.21
sdS=34.1
fwS=2.42
0 0 0 0 0 0 0 0 0

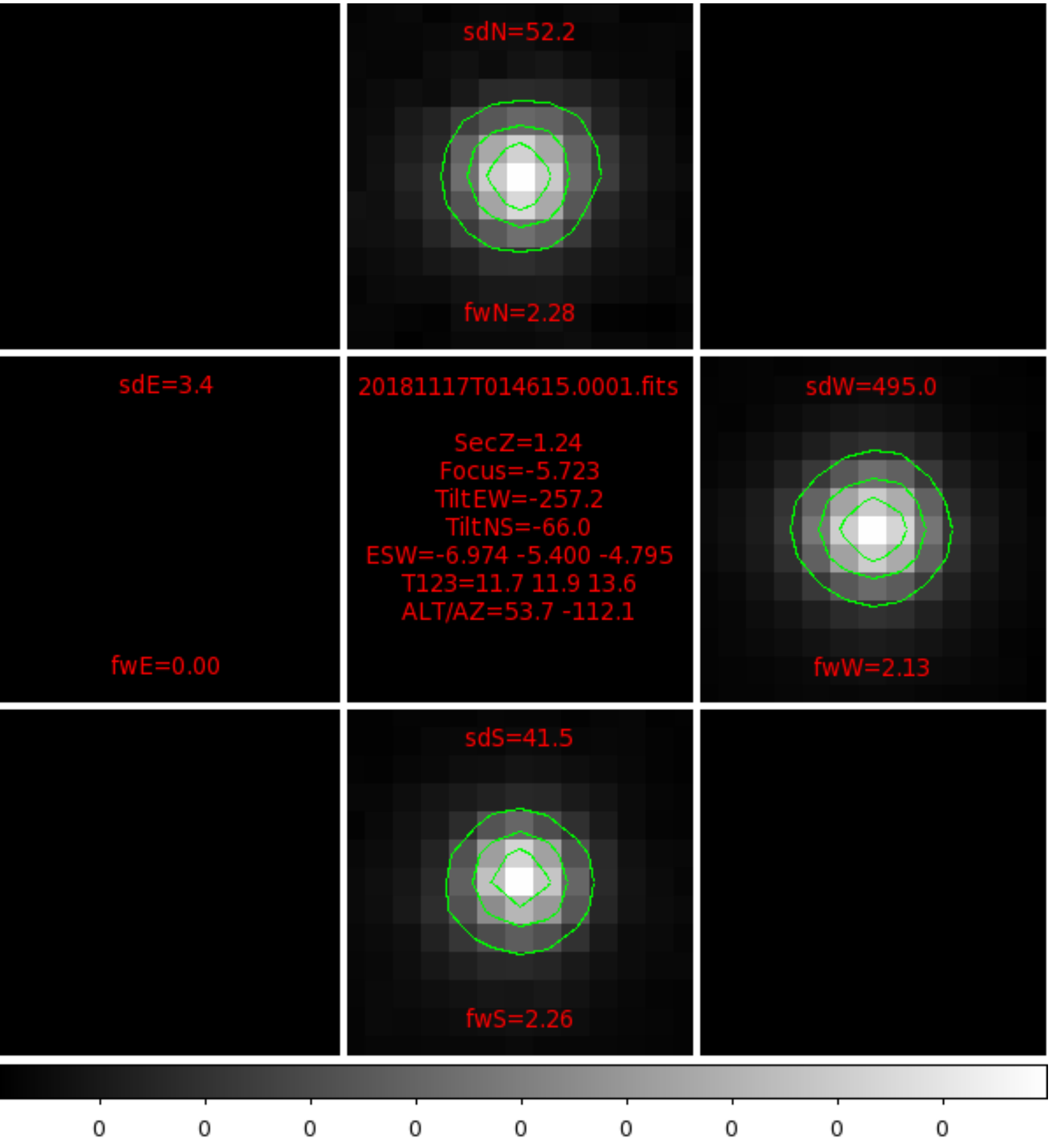

sdN=78.6
fwN=2.40
sdE=2.5
fwE=0.00
20181117T013715.0001.fits
SecZ=1.21
Focus=-5.730
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.981 -5.407 -4.802
T123=11.8 12.0 13.7
ALT/AZ=55.4 -114.3
sdW=523.8
fwW=2.34
sdS=33.2
fwS=2.59
0 0 0 0 0 0 0 0 0

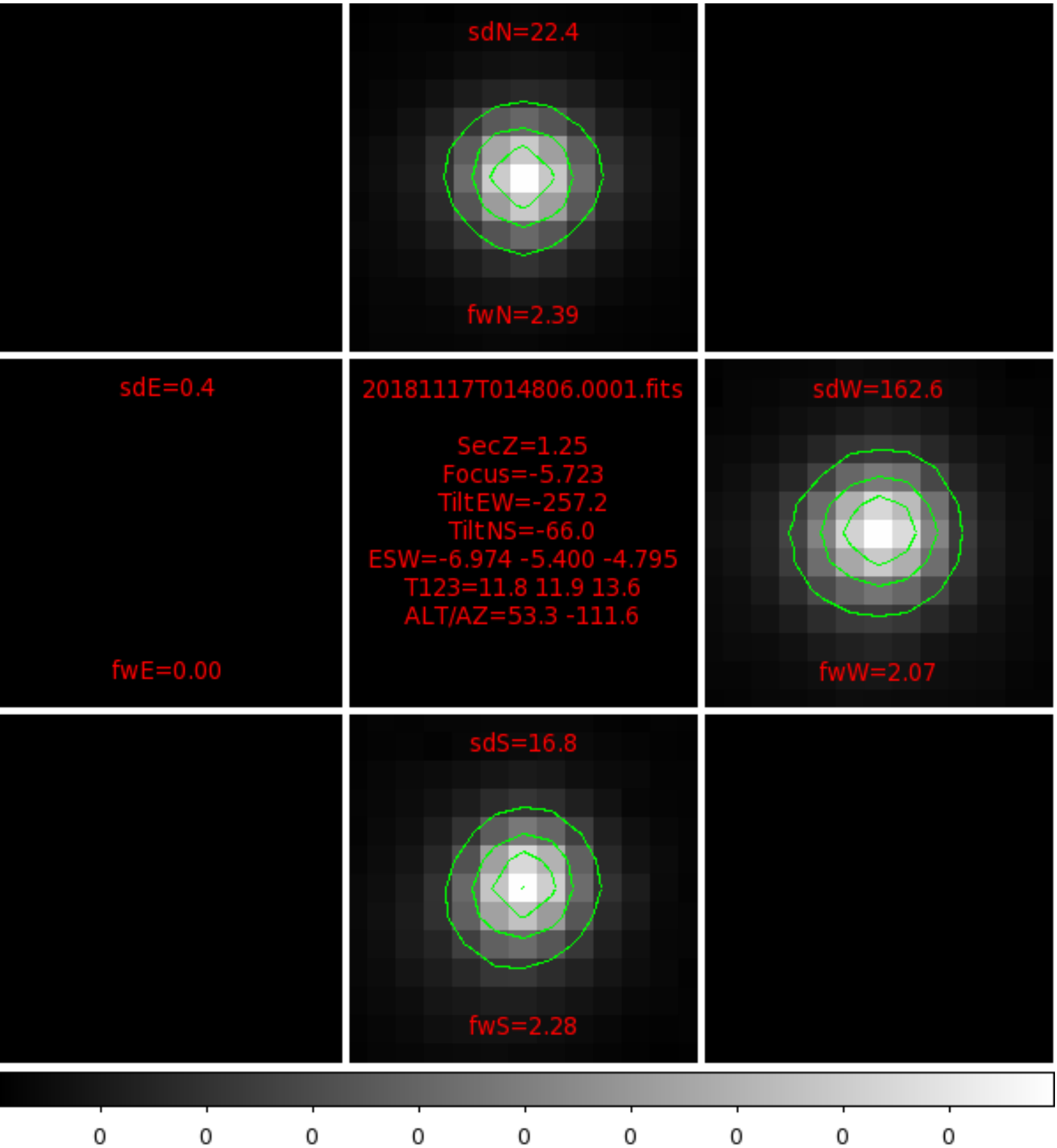

sdN=56.0
fwN=2.27
sdE=1.8
fwE=0.00
20181117T013904.0001.fits
SecZ=1.22
Focus=-5.730
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.981 -5.407 -4.802
T123=11.8 12.0 13.6
ALT/AZ=55.1 -113.9
sdW=354.0
fwW=2.18
sdS=25.3
fwS=2.43
0 0 0 0 0 0 0 0 0

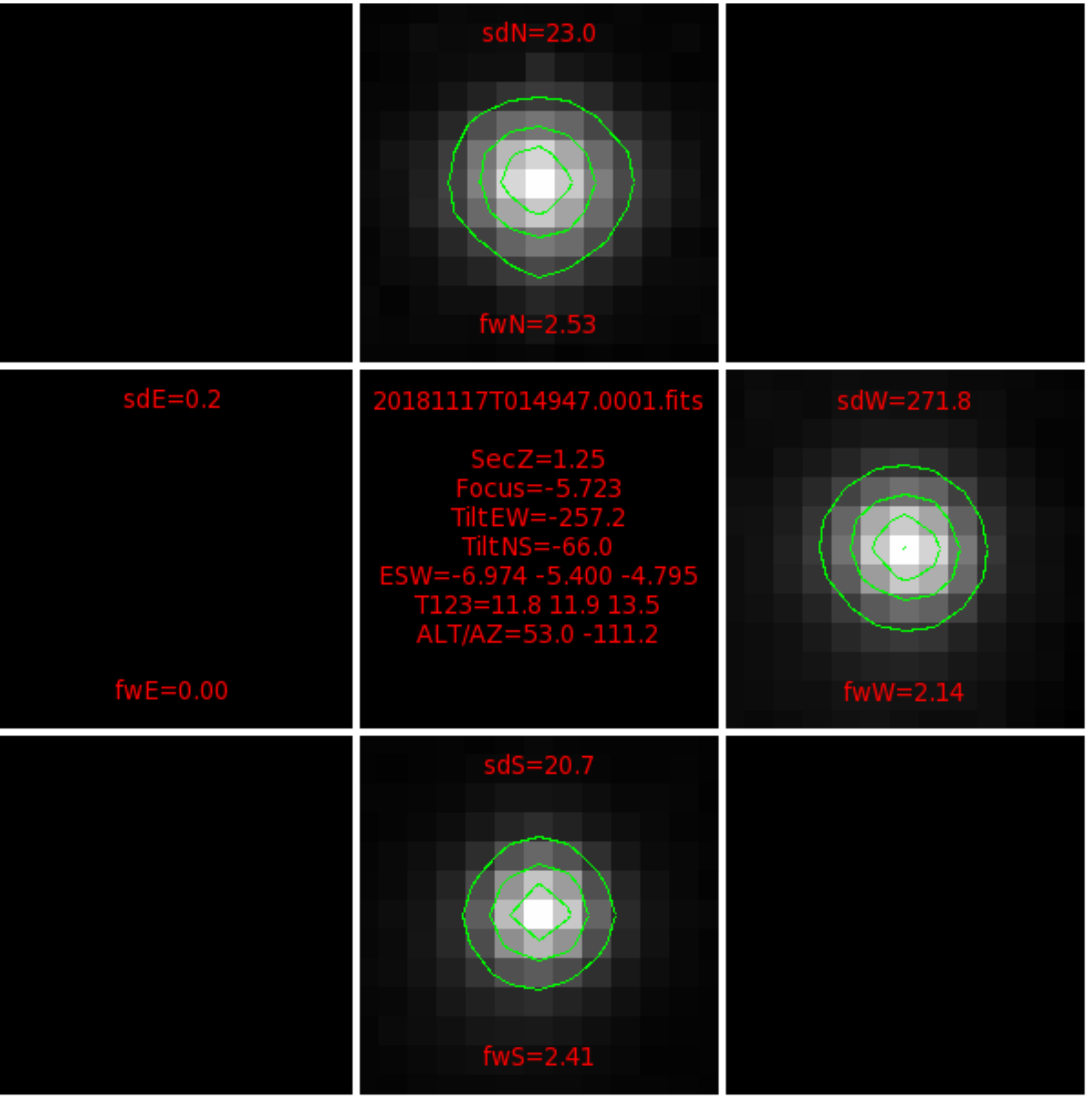

sdN=46.2
fwN=2.20
sdE=1.4
fwE=0.00
20181117T014050.0001.fits
SecZ=1.22
Focus=-5.723
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.974 -5.400 -4.795
T123=11.8 12.0 13.6
ALT/AZ=54.8 -113.4
sdW=401.1
fwW=2.07
sdS=32.8
fwS=2.26
0 0 0 0 0 0 0 0 0

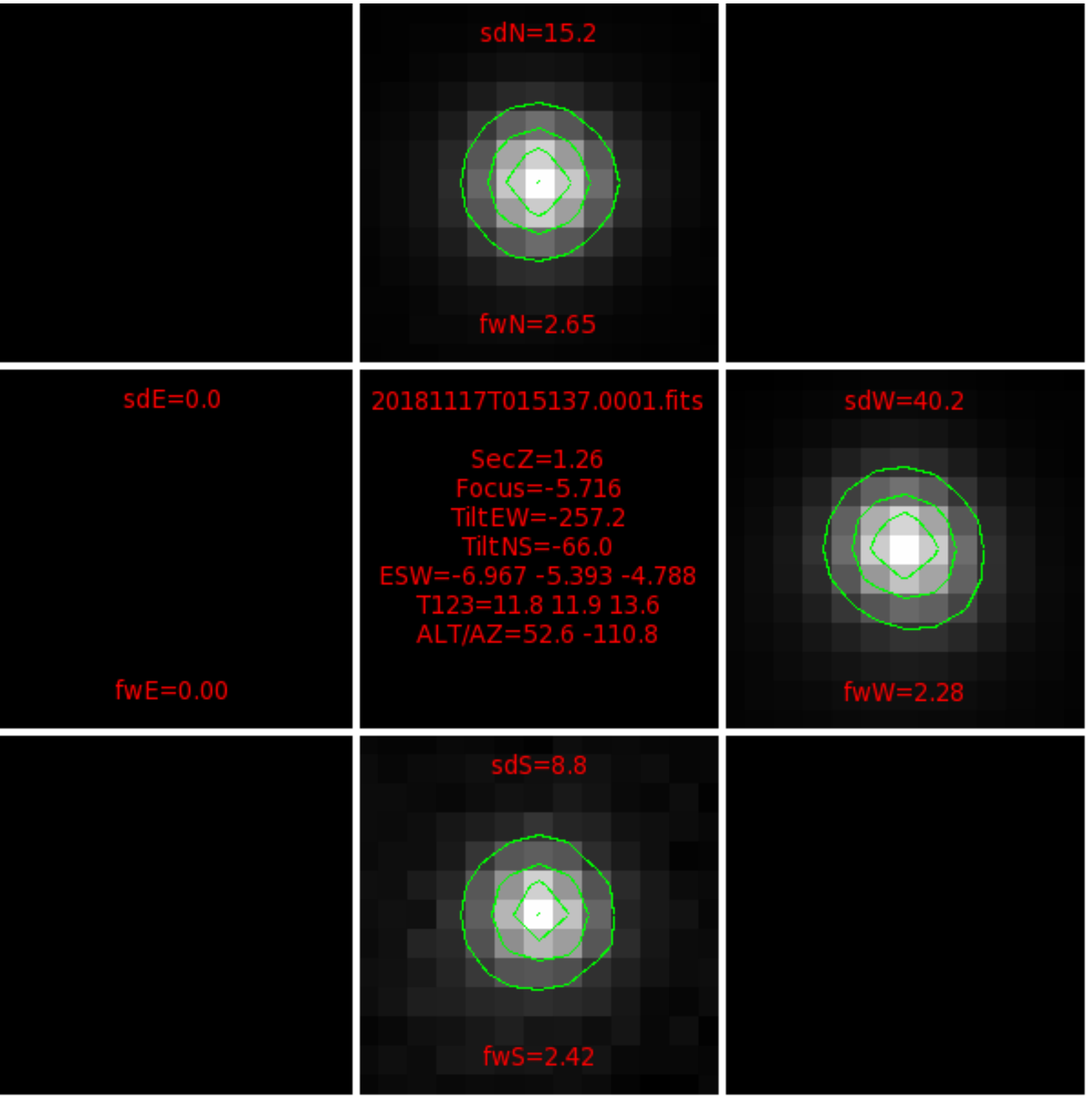

sdN=32.5
fwN=2.43
sdE=0.8
fwE=0.00
20181117T014237.0001.fits
SecZ=1.23
Focus=-5.723
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.974 -5.400 -4.795
T123=11.8 12.0 13.6
ALT/AZ=54.4 -113.0
sdW=229.6
fwW=2.13
sdS=23.7
fwS=2.37
0 0 0 0 0 0 0 0 0

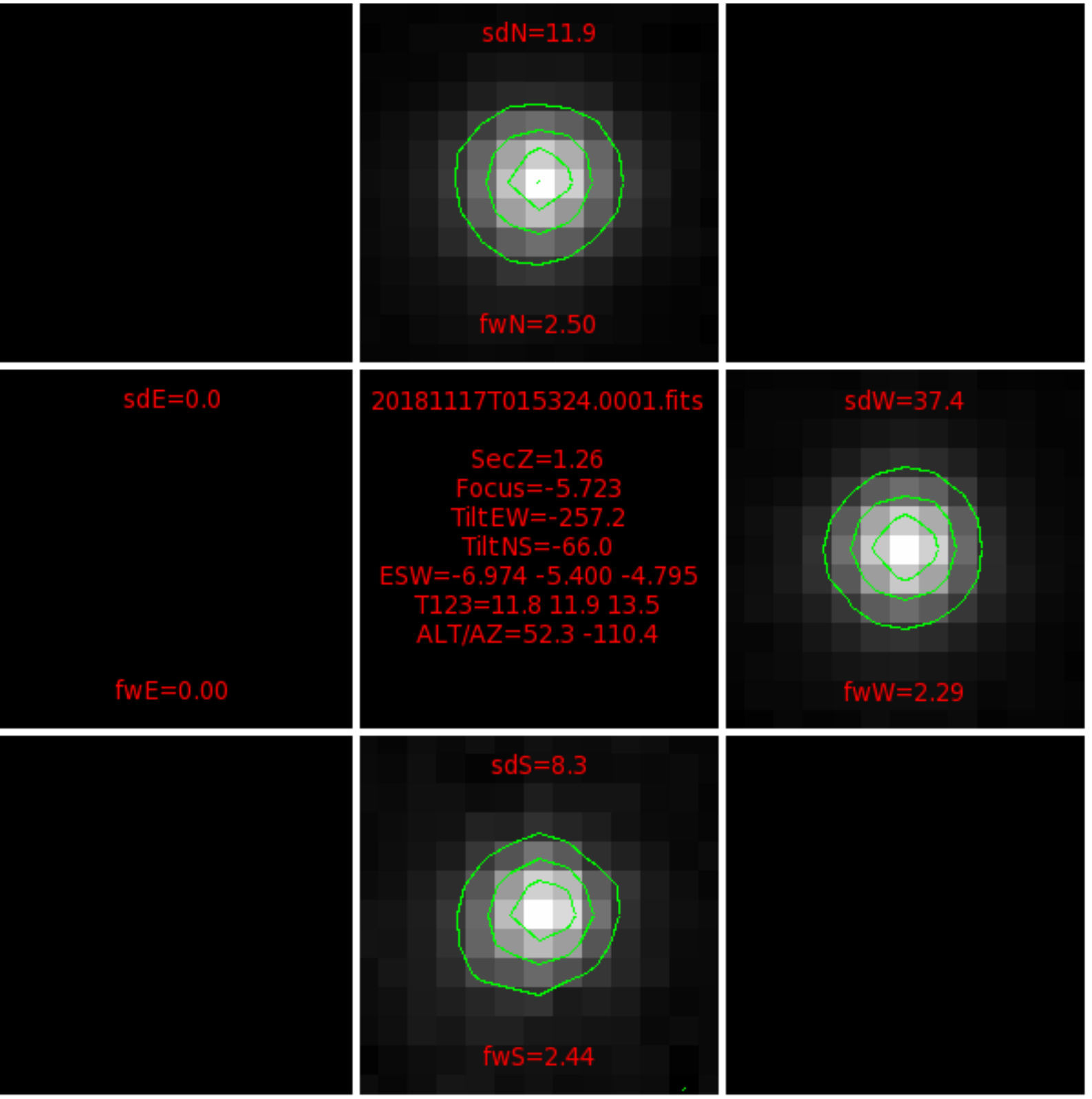

sdN=33.7
fwN=2.34
sdE=0.2
fwE=0.00
20181117T014426.0001.fits
SecZ=1.24
Focus=-5.723
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.974 -5.400 -4.795
T123=11.8 11.9 13.6
ALT/AZ=54.1 -112.5
sdW=170.8
fwW=2.28
sdS=12.3
fwS=2.43
0 0 0 0 0 0 0 0 0

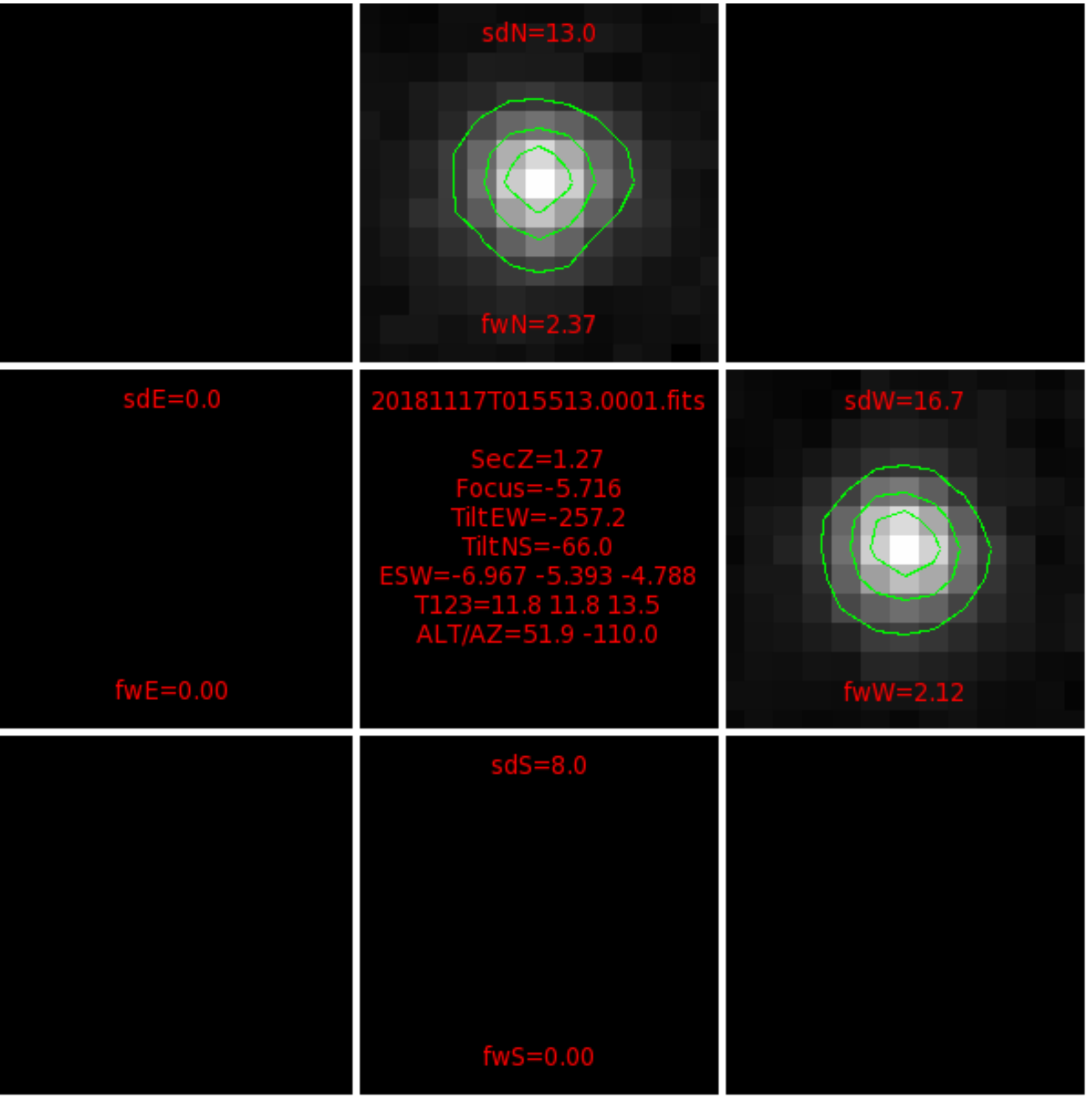

sdN=52.2
fwN=2.28
sdE=3.4
fwE=0.00
20181117T014615.0001.fits
SecZ=1.24
Focus=-5.723
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.974 -5.400 -4.795
T123=11.7 11.9 13.6
ALT/AZ=53.7 -112.1
sdW=495.0
fwW=2.13
sdS=41.5
fwS=2.26
0 0 0 0 0 0 0 0 0

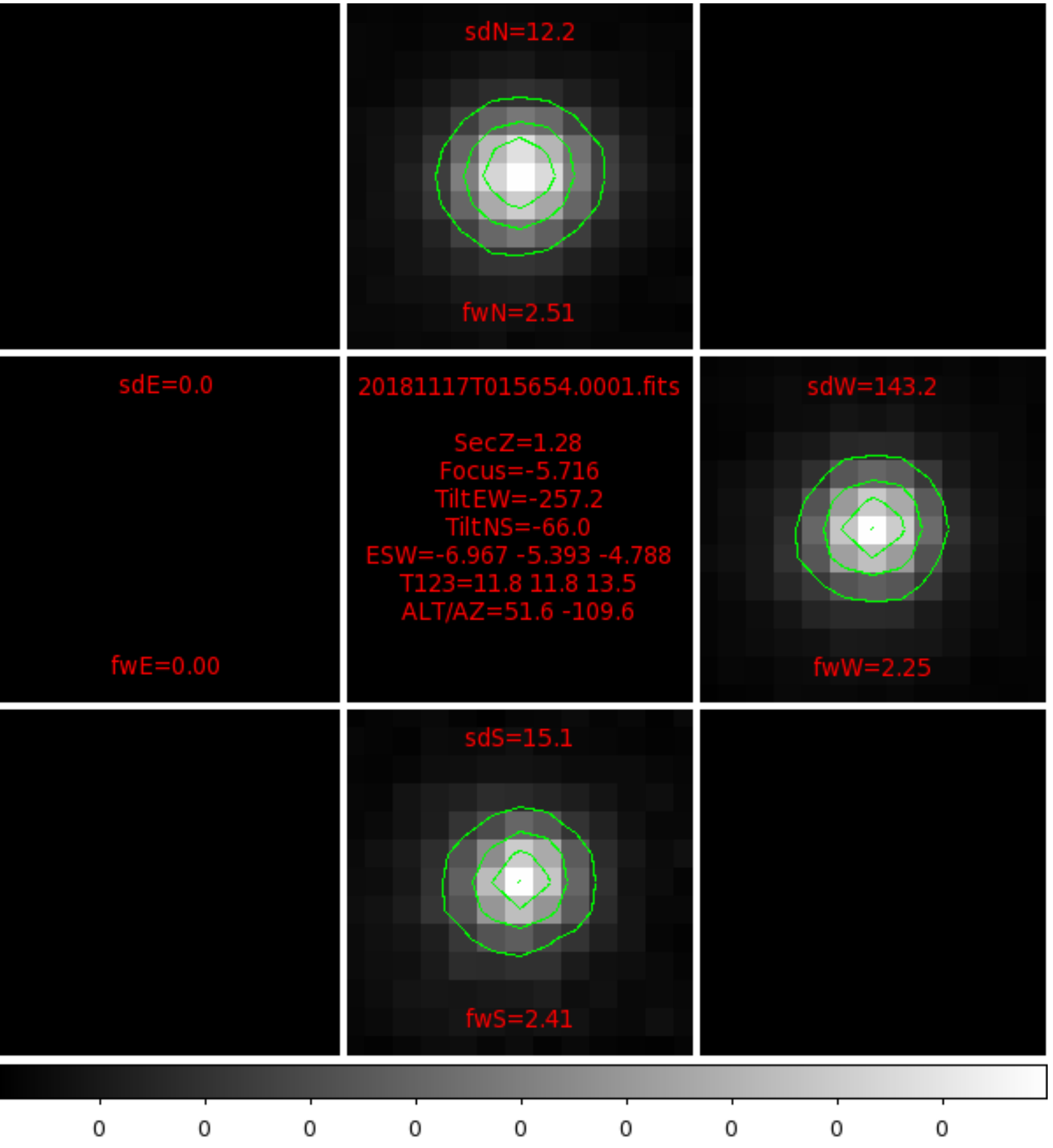

sdN=22.4
fwN=2.39
sdE=0.4
fwE=0.00
20181117T014806.0001.fits
SecZ=1.25
Focus=-5.723
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.974 -5.400 -4.795
T123=11.8 11.9 13.6
ALT/AZ=53.3 -111.6
sdW=162.6
fwW=2.07
sdS=16.8
fwS=2.28
0 0 0 0 0 0 0 0 0

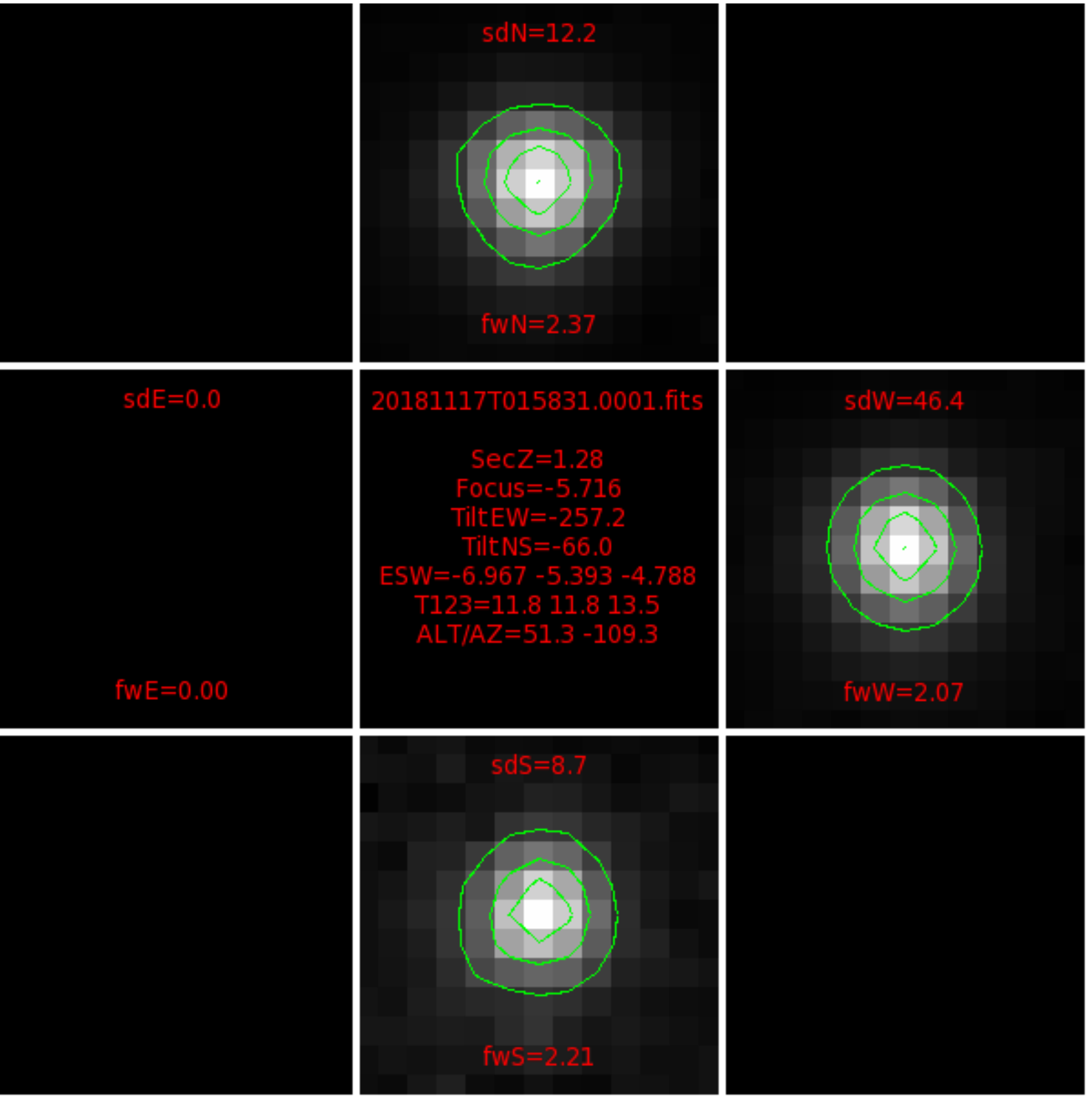

sdN=23.0
fwN=2.53
sdE=0.2
fwE=0.00
20181117T014947.0001.fits
SecZ=1.25
Focus=-5.723
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.974 -5.400 -4.795
T123=11.8 11.9 13.5
ALT/AZ=53.0 -111.2
sdW=271.8
fwW=2.14
sdS=20.7
fwS=2.41
0 0 0 0 0 0 0 0 0

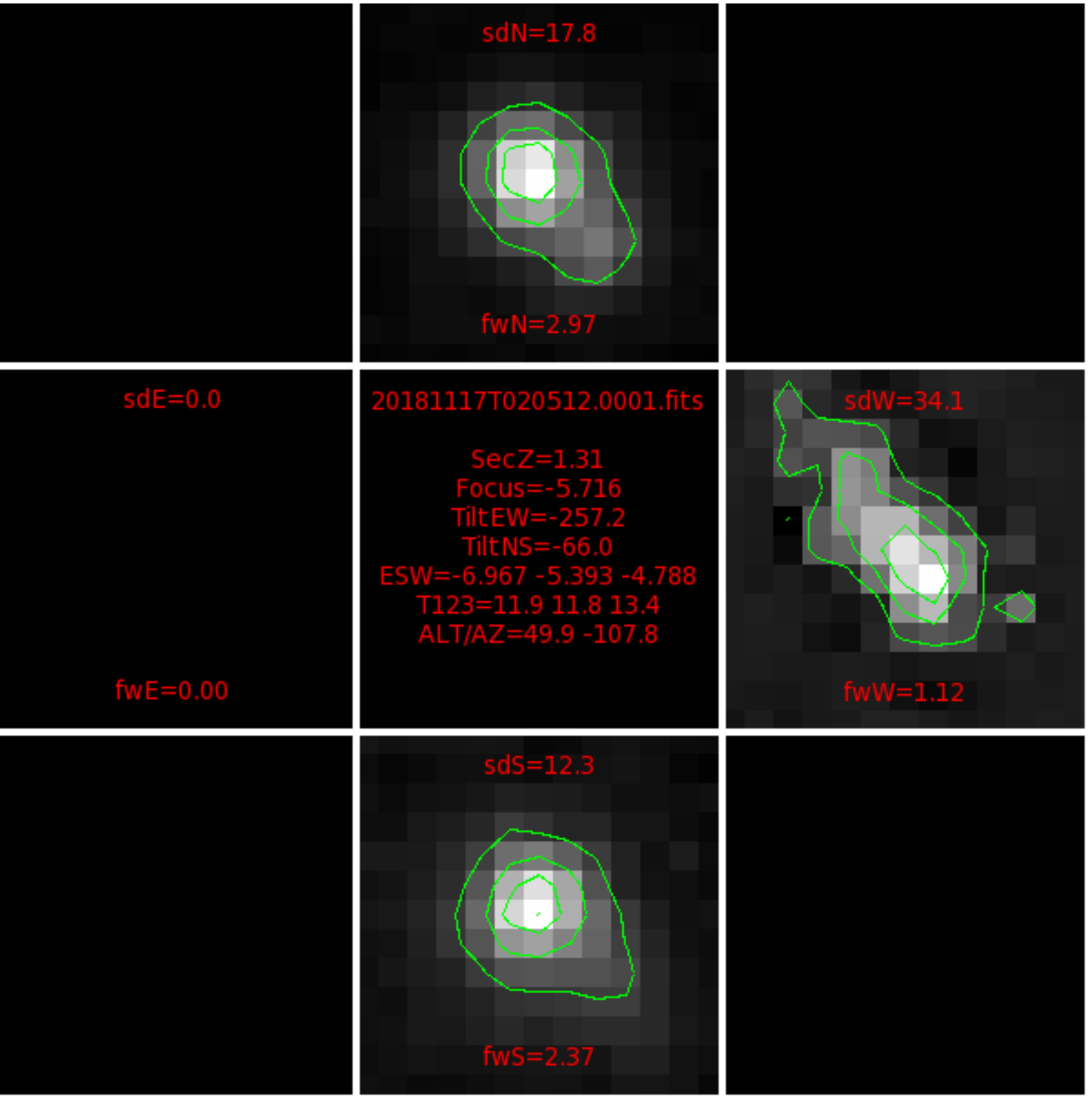

sdN=15.2
fwN=2.65
sdE=0.0
fwE=0.00
20181117T015137.0001.fits
SecZ=1.26
Focus=-5.716
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.967 -5.393 -4.788
T123=11.8 11.9 13.6
ALT/AZ=52.6 -110.8
sdW=40.2
fwW=2.28
sdS=8.8
fwS=2.42
0 0 0 0 0 0 0 0 0

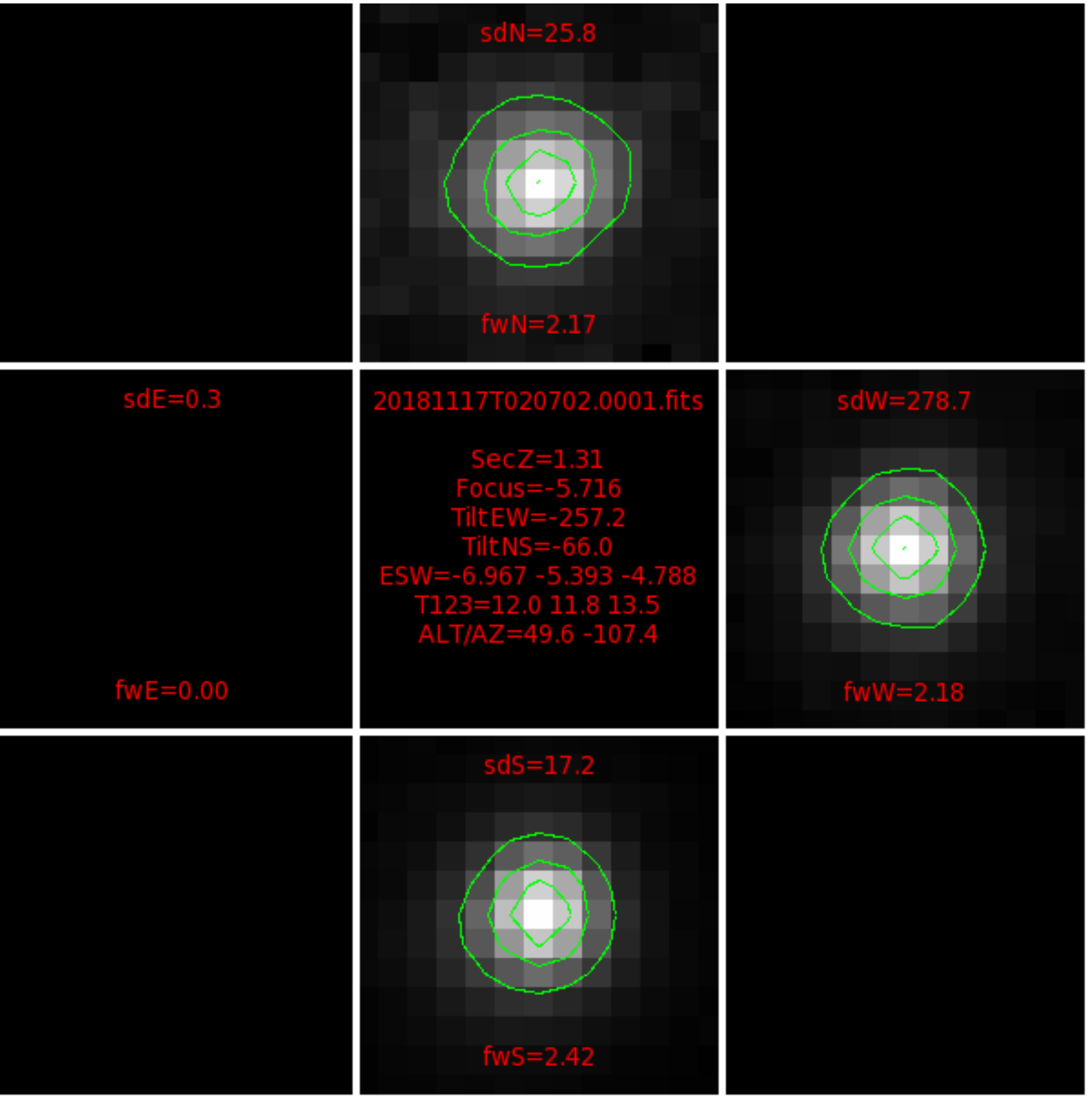

sdN=11.9
fwN=2.50
sdE=0.0
fwE=0.00
20181117T015324.0001.fits
SecZ=1.26
Focus=-5.723
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.974 -5.400 -4.795
T123=11.8 11.9 13.5
ALT/AZ=52.3 -110.4
sdW=37.4
fwW=2.29
sdS=8.3
fwS=2.44
0 0 0 0 0 0 0 0 0

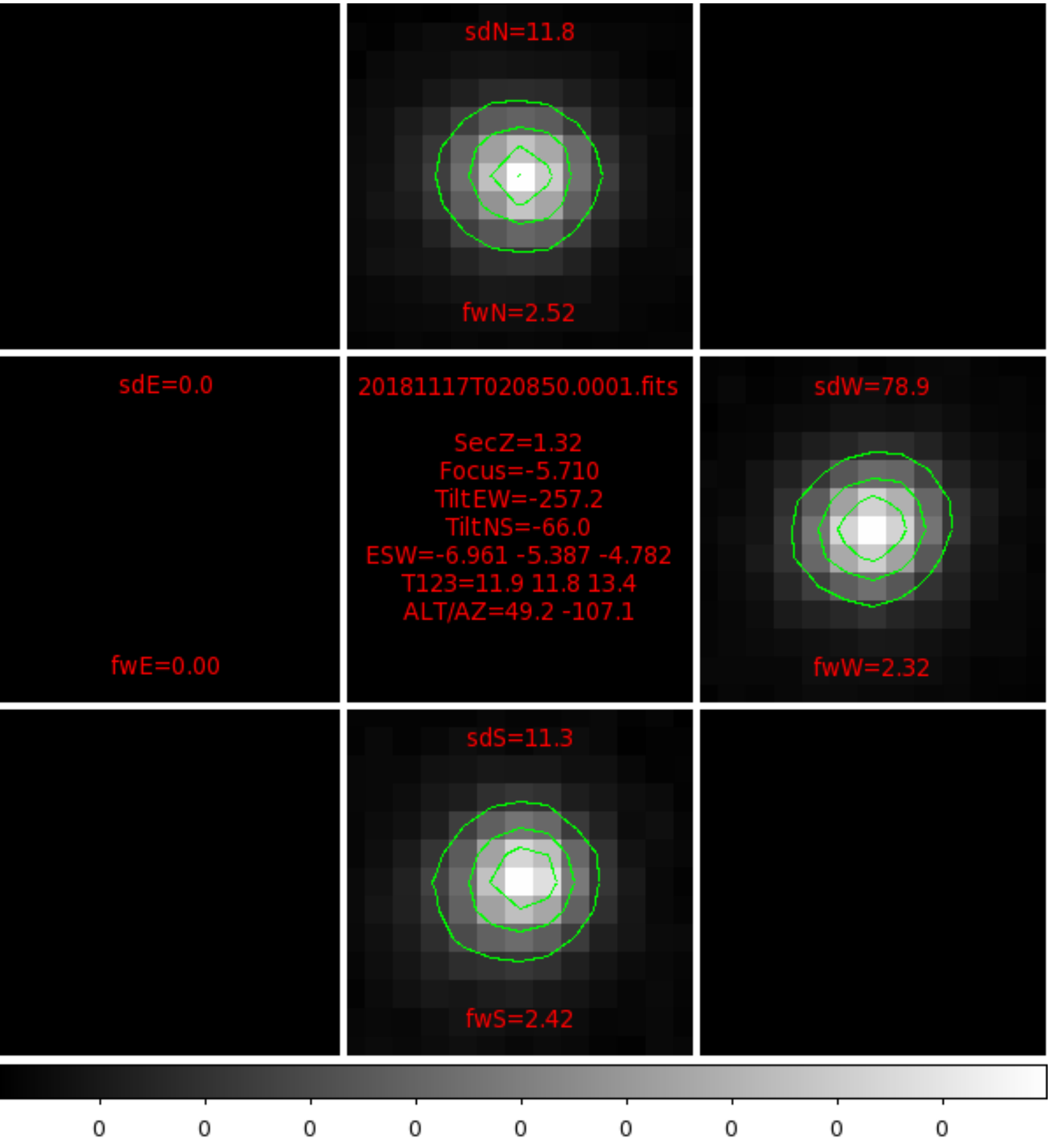

sdN=13.0
fwN=2.37
sdE=0.0
fwE=0.00
20181117T015513.0001.fits
SecZ=1.27
Focus=-5.716
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.967 -5.393 -4.788
T123=11.8 11.8 13.5
ALT/AZ=51.9 -110.0
sdW=16.7
fwW=2.12
sdS=8.0
fwS=0.00
0 0 0 0 0 0 0 0 0

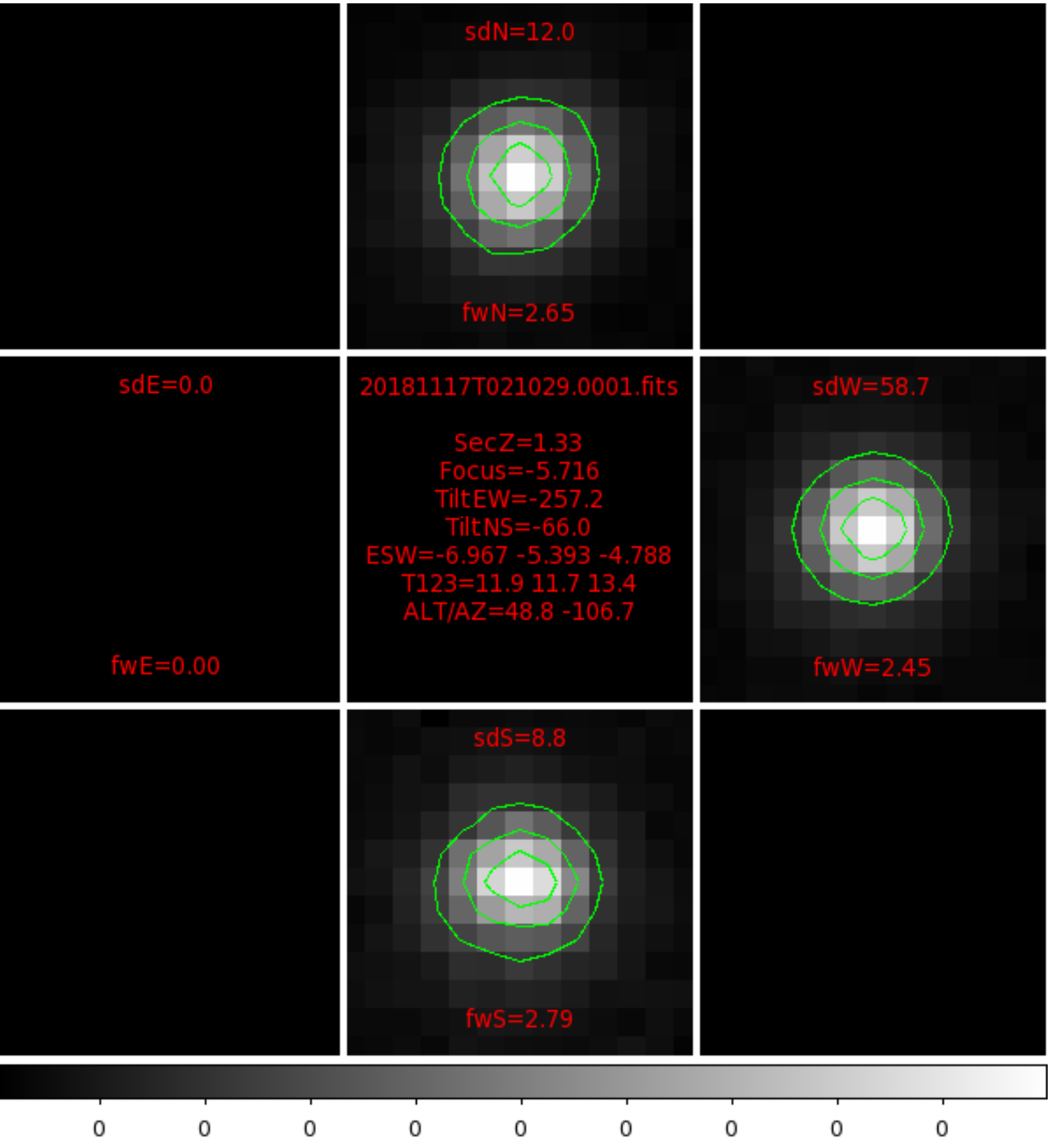

sdN=12.2
fwN=2.51
sdE=0.0
fwE=0.00
20181117T015654.0001.fits
SecZ=1.28
Focus=-5.716
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.967 -5.393 -4.788
T123=11.8 11.8 13.5
ALT/AZ=51.6 -109.6
sdW=143.2
fwW=2.25
sdS=15.1
fwS=2.41
0 0 0 0 0 0 0 0 0

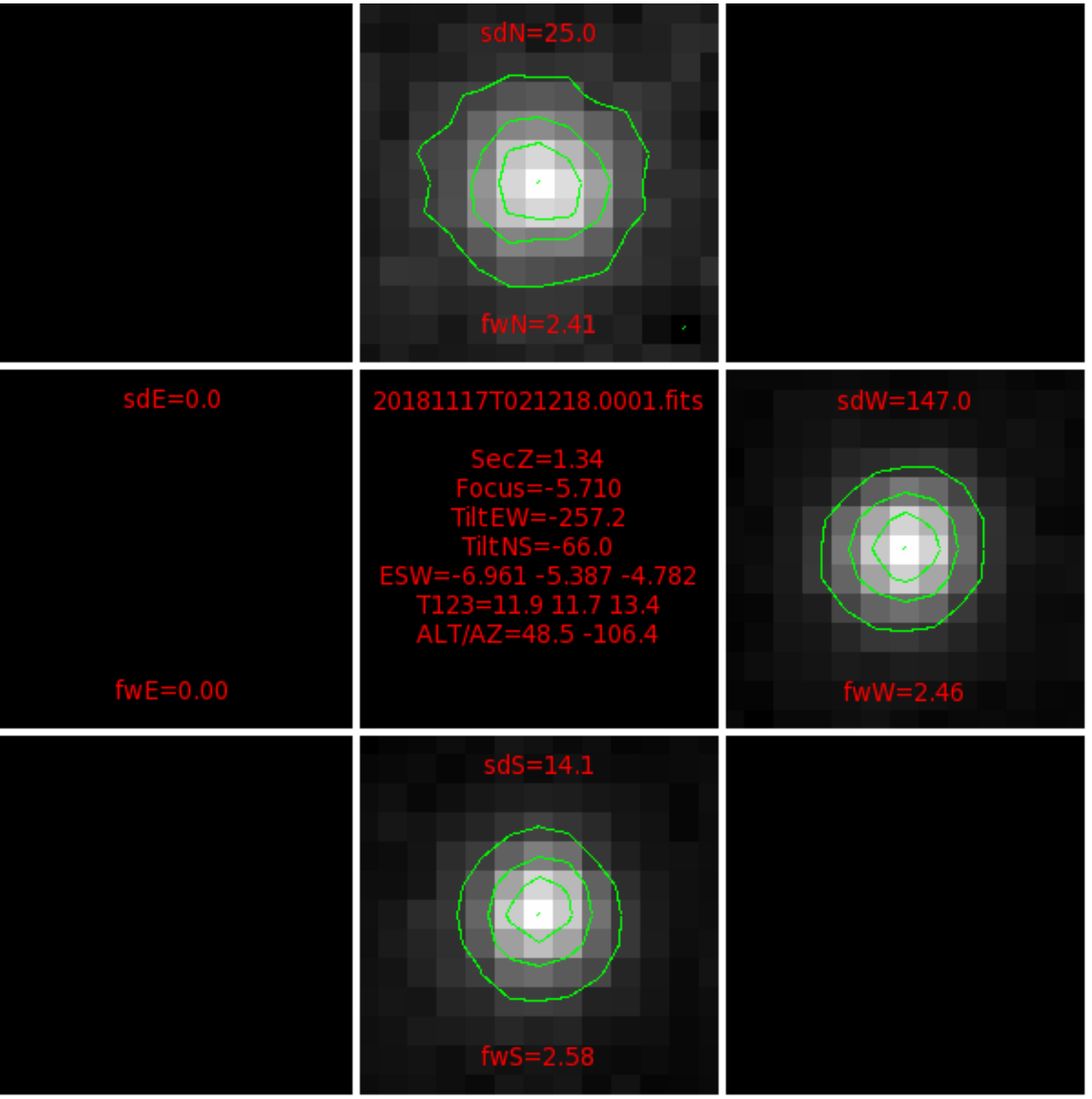

sdN=12.2
fwN=2.37
sdE=0.0
fwE=0.00
20181117T015831.0001.fits
SecZ=1.28
Focus=-5.716
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.967 -5.393 -4.788
T123=11.8 11.8 13.5
ALT/AZ=51.3 -109.3
sdW=46.4
fwW=2.07
sdS=8.7
fwS=2.21
0 0 0 0 0 0 0 0 0

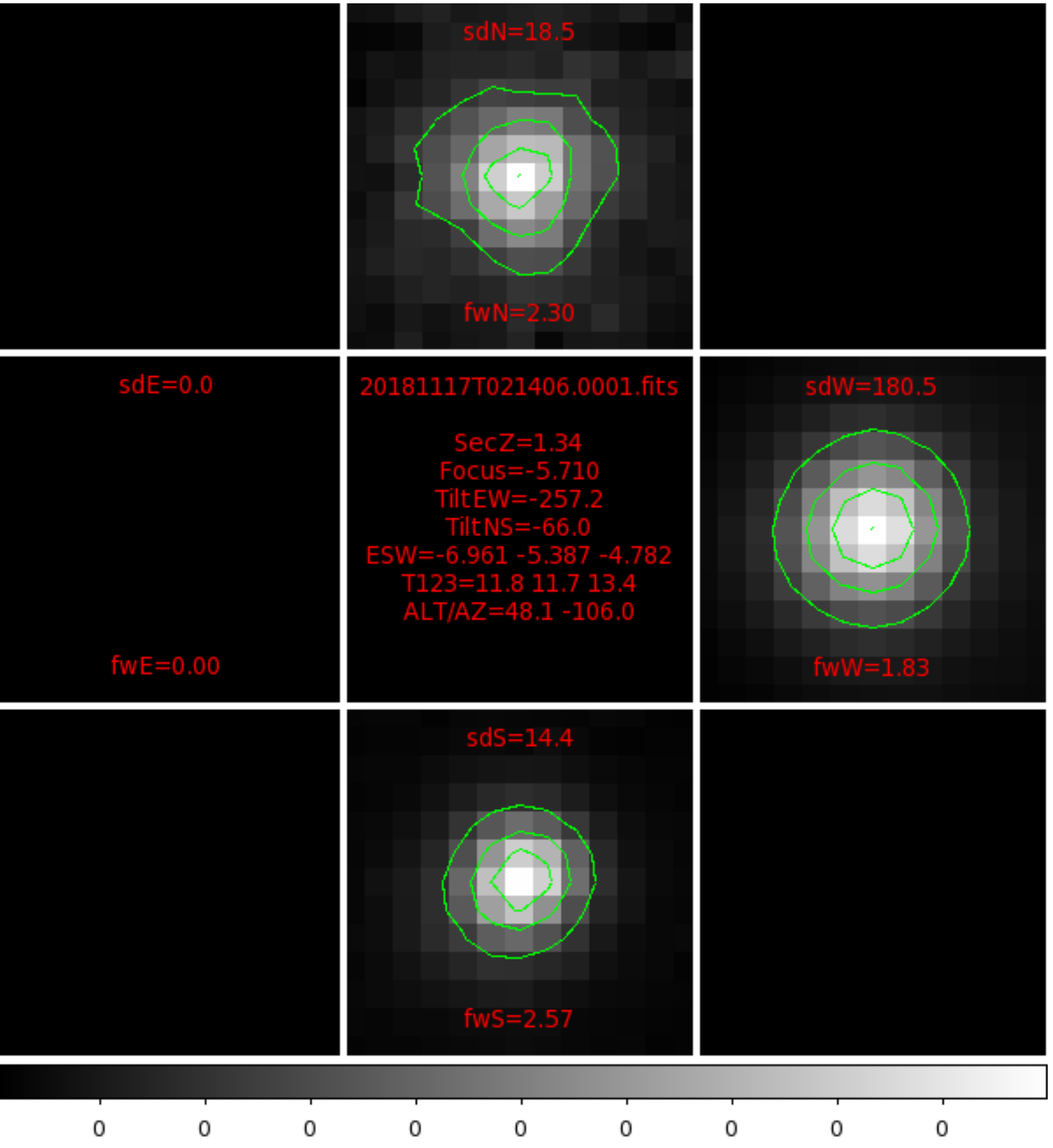

sdN=17.8
fwN=2.97
sdE=0.0
fwE=0.00
20181117T020512.0001.fits
SecZ=1.31
Focus=-5.716
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.967 -5.393 -4.788
T123=11.9 11.8 13.4
ALT/AZ=49.9 -107.8
sdW=34.1
fwW=1.12
sdS=12.3
fwS=2.37
0 0 0 0 0 0 0 0 0


sdN=25.8
fwN=2.17
sdE=0.3
fwE=0.00
20181117T020702.0001.fits
SecZ=1.31
Focus=-5.716
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.967 -5.393 -4.788
T123=12.0 11.8 13.5
ALT/AZ=49.6 -107.4
sdW=278.7
fwW=2.18
sdS=17.2
fwS=2.42
0 0 0 0 0 0 0 0 0


sdN=11.8
fwN=2.52
sdE=0.0
fwE=0.00
20181117T020850.0001.fits
SecZ=1.32
Focus=-5.710
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.961 -5.387 -4.782
T123=11.9 11.8 13.4
ALT/AZ=49.2 -107.1
sdW=78.9
fwW=2.32
sdS=11.3
fwS=2.42
0 0 0 0 0 0 0 0 0


sdN=12.0
fwN=2.65
sdE=0.0
fwE=0.00
20181117T021029.0001.fits
SecZ=1.33
Focus=-5.716
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.967 -5.393 -4.788
T123=11.9 11.7 13.4
ALT/AZ=48.8 -106.7
sdW=58.7
fwW=2.45
sdS=8.8
fwS=2.79
0 0 0 0 0 0 0 0 0


sdN=25.0
fwN=2.41
sdE=0.0
fwE=0.00
20181117T021218.0001.fits
SecZ=1.34
Focus=-5.710
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.961 -5.387 -4.782
T123=11.9 11.7 13.4
ALT/AZ=48.5 -106.4
sdW=147.0
fwW=2.46
sdS=14.1
fwS=2.58
0 0 0 0 0 0 0 0 0


sdN=18.5
fwN=2.30
sdE=0.0
fwE=0.00
20181117T021406.0001.fits
SecZ=1.34
Focus=-5.710
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.961 -5.387 -4.782
T123=11.8 11.7 13.4
ALT/AZ=48.1 -106.0
sdW=180.5
fwW=1.83
sdS=14.4
fwS=2.57
0 0 0 0 0 0 0 0 0