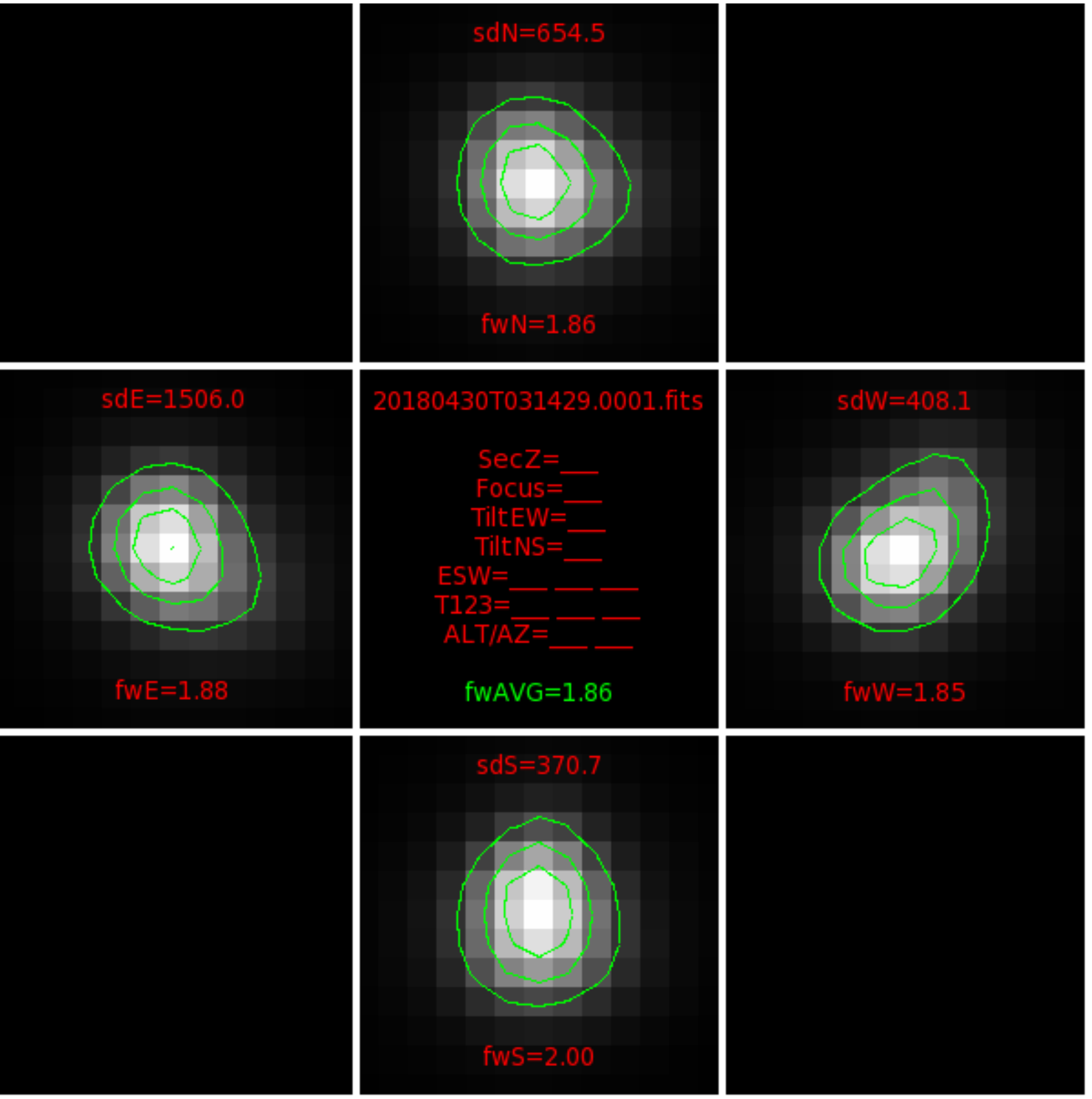
sdN=654.5
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fwE=1.88
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SecZ=___
Focus=___
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TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.86
sdW=408.1
fwW=1.85
sdS=370.7
fwS=2.00
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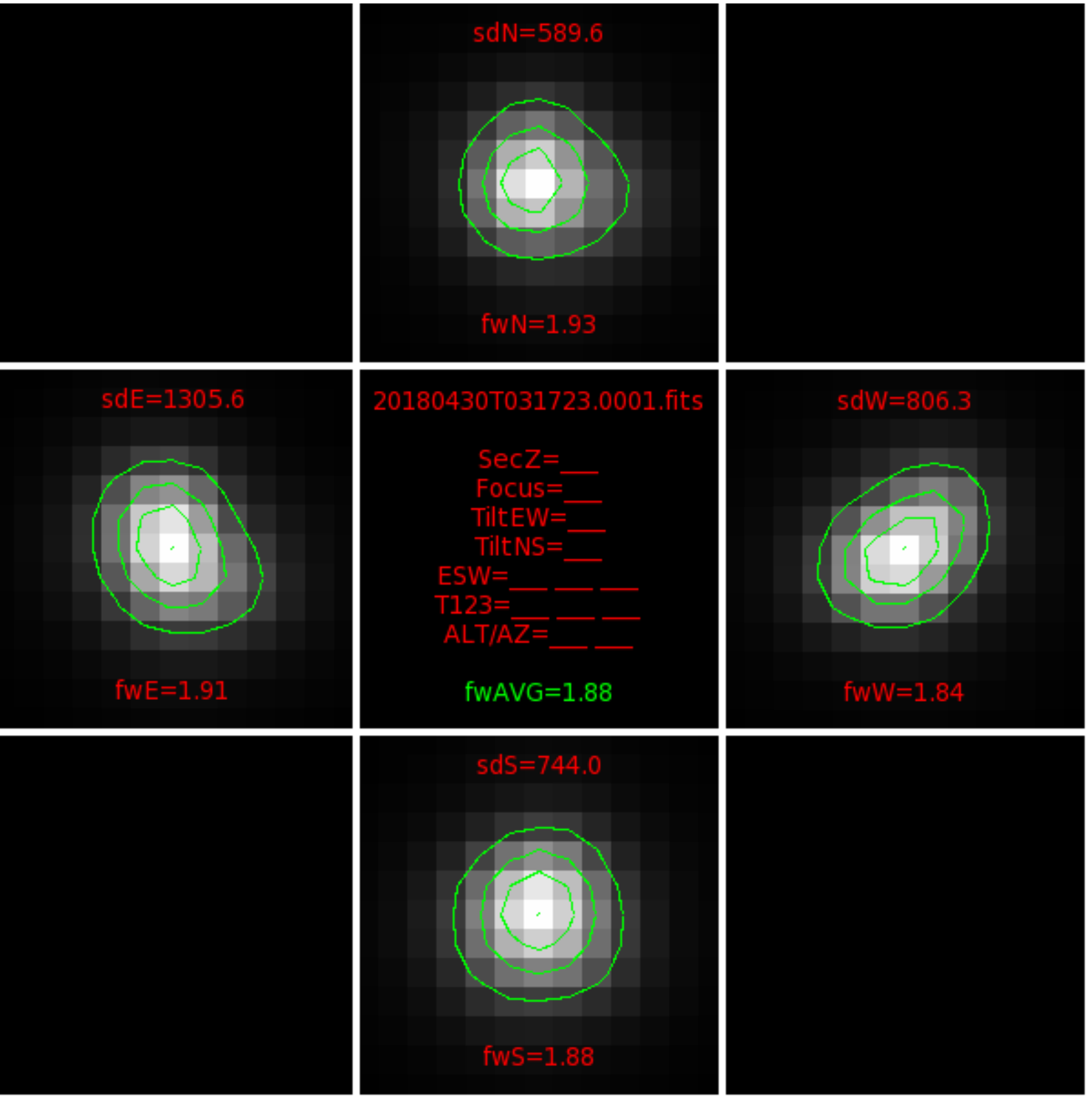
0.0196
0.0295
0.0393
0.0492
0.0590
0.0688
0.0787
0.0885


sdN=589.6
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sdE=1305.6
fwE=1.91
20180430T031723.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.88
sdW=806.3
fwW=1.84
sdS=744.0
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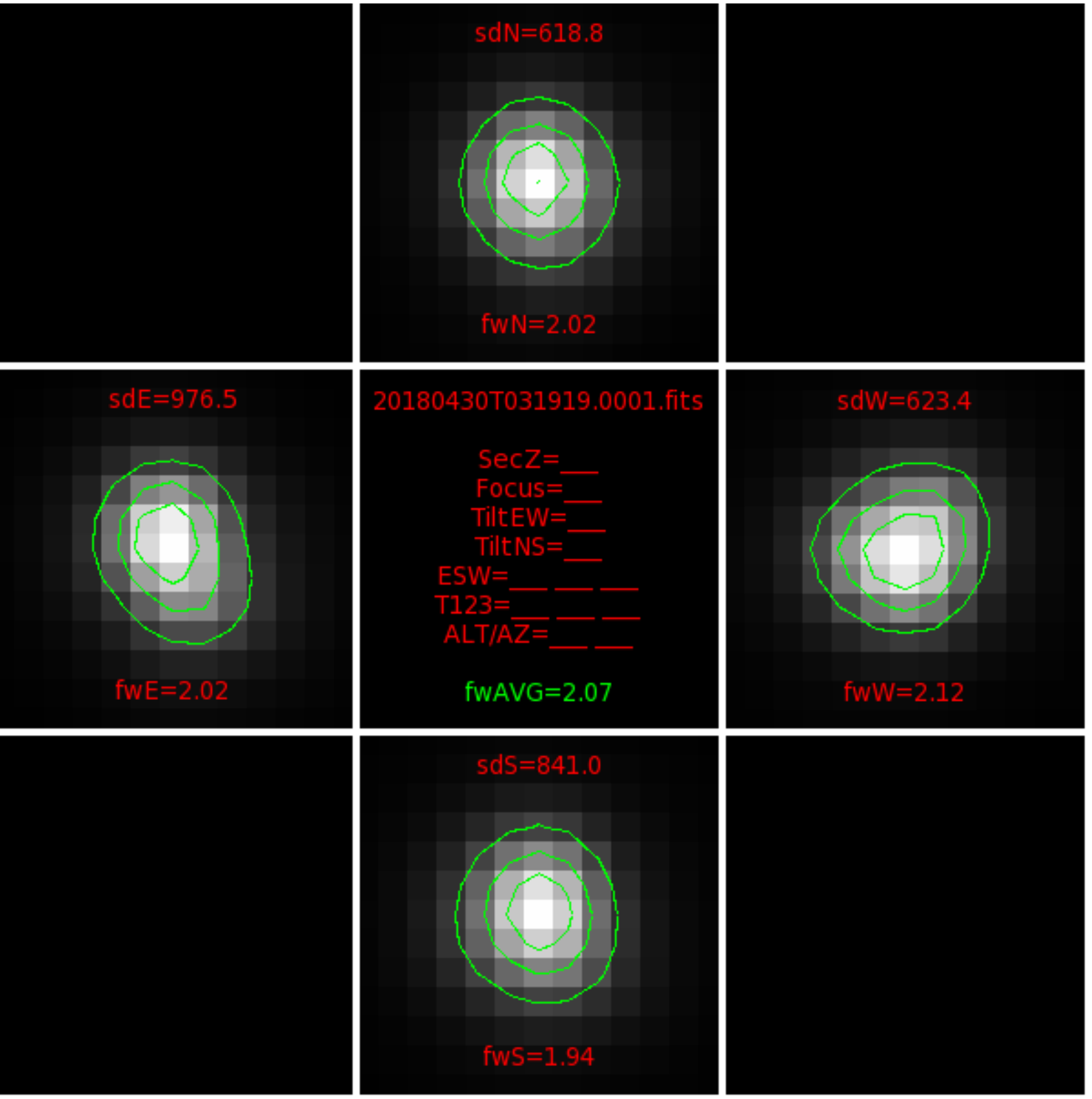
0.011
0.022
0.032
0.043
0.054
0.065
0.076
0.087
0.097


sdN=618.8
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sdE=976.5
fwE=2.02
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SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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fwW=2.12
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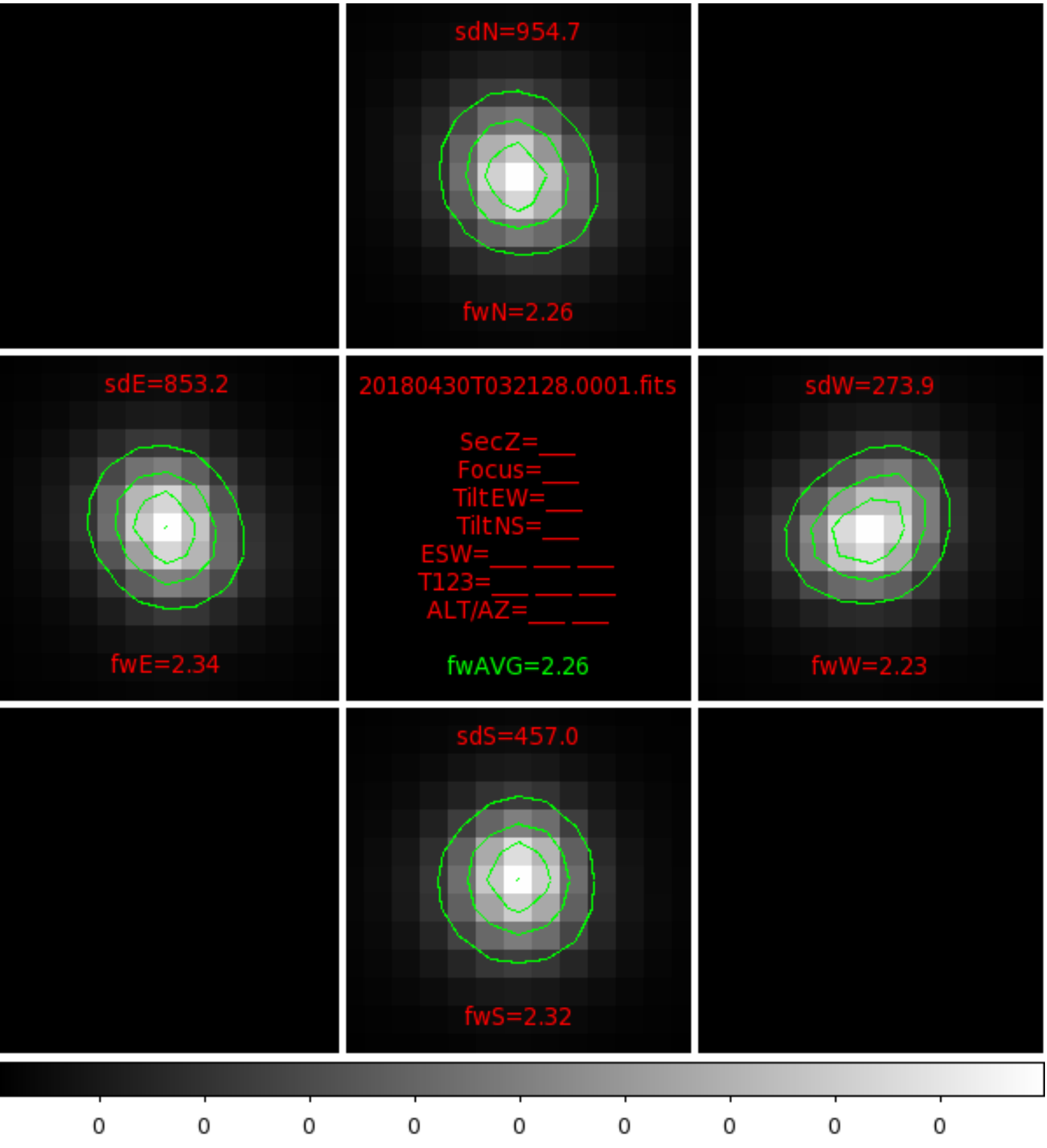
sdN=954.7
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fwE=2.34
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SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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sdS=457.0
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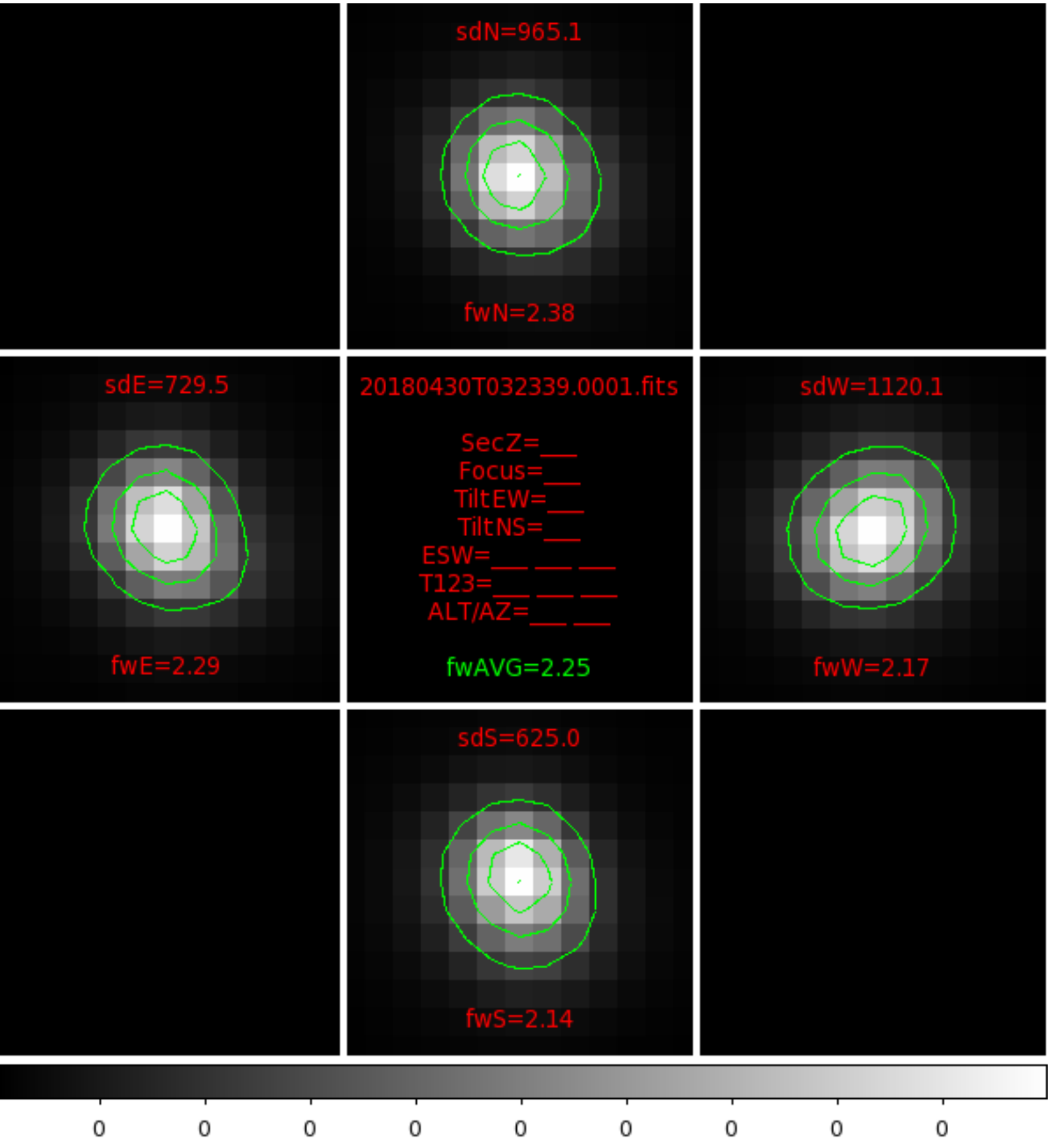
sdN=965.1
fwN=2.38
sdE=729.5
fwE=2.29
20180430T032339.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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sdW=1120.1
fwW=2.17
sdS=625.0
fwS=2.14
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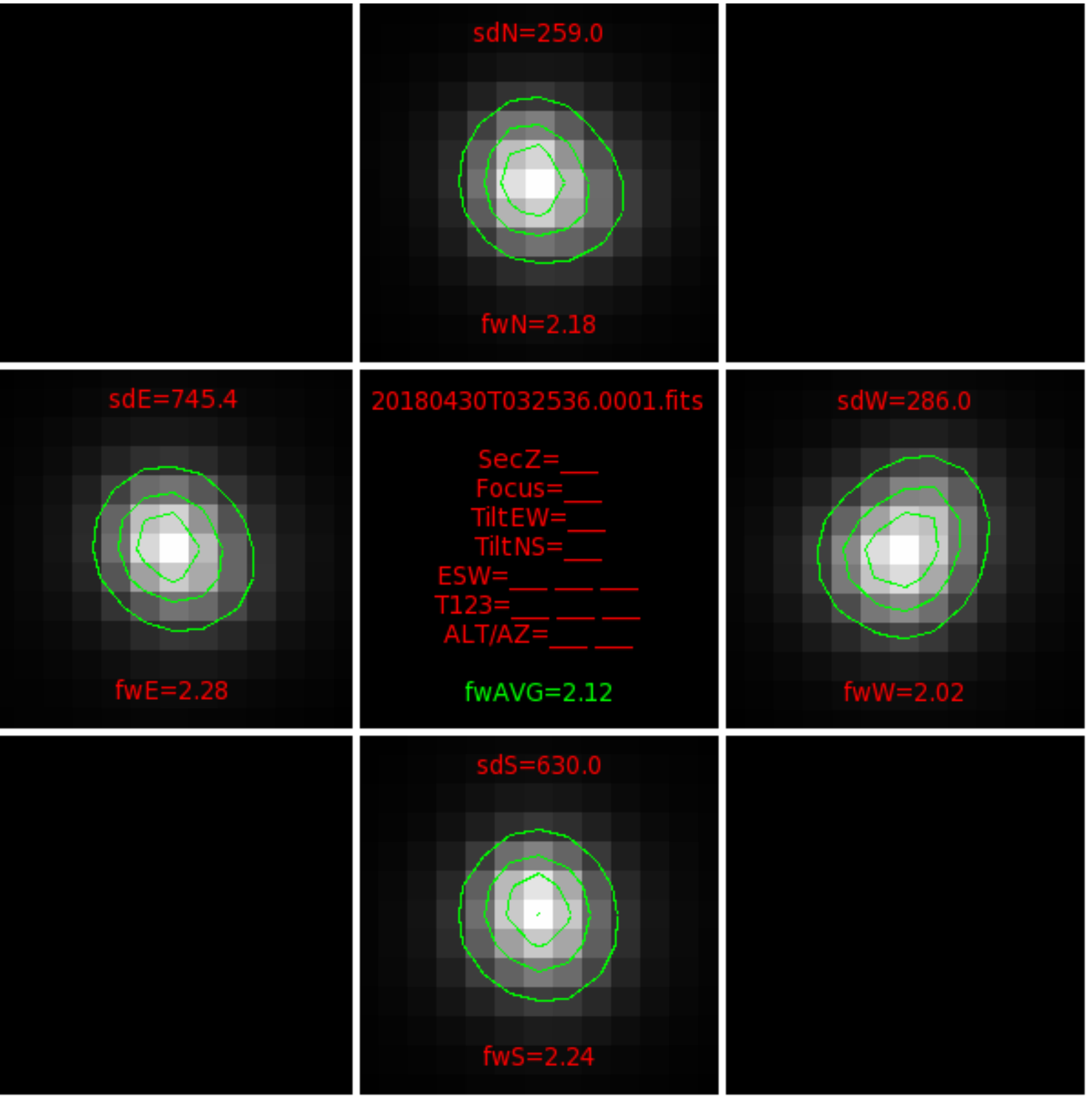
sdN=259.0
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sdE=745.4
fwE=2.28
20180430T032536.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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sdS=630.0
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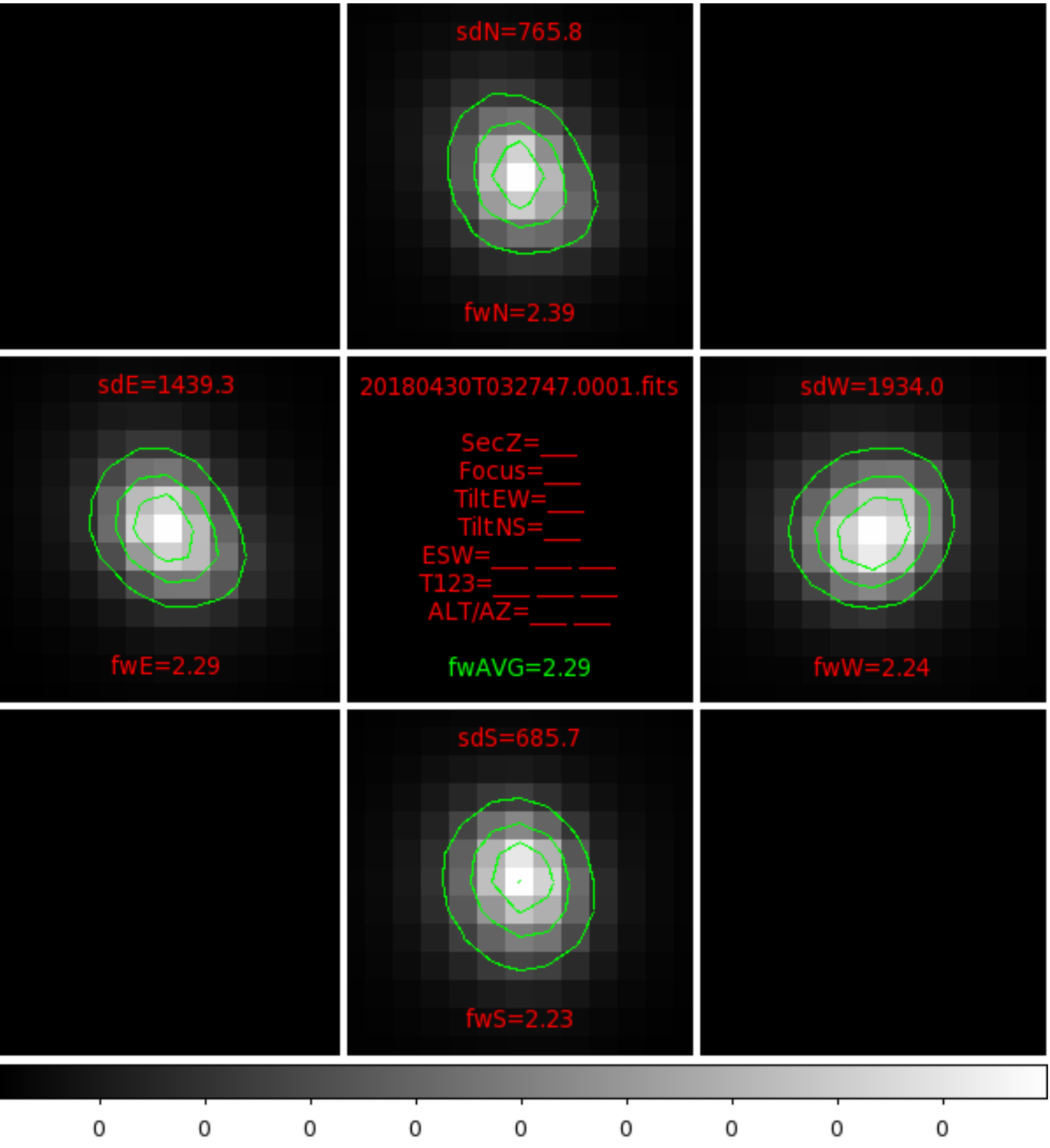
sdN=765.8
fwN=2.39
sdE=1439.3
fwE=2.29
20180430T032747.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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sdW=1934.0
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sdS=685.7
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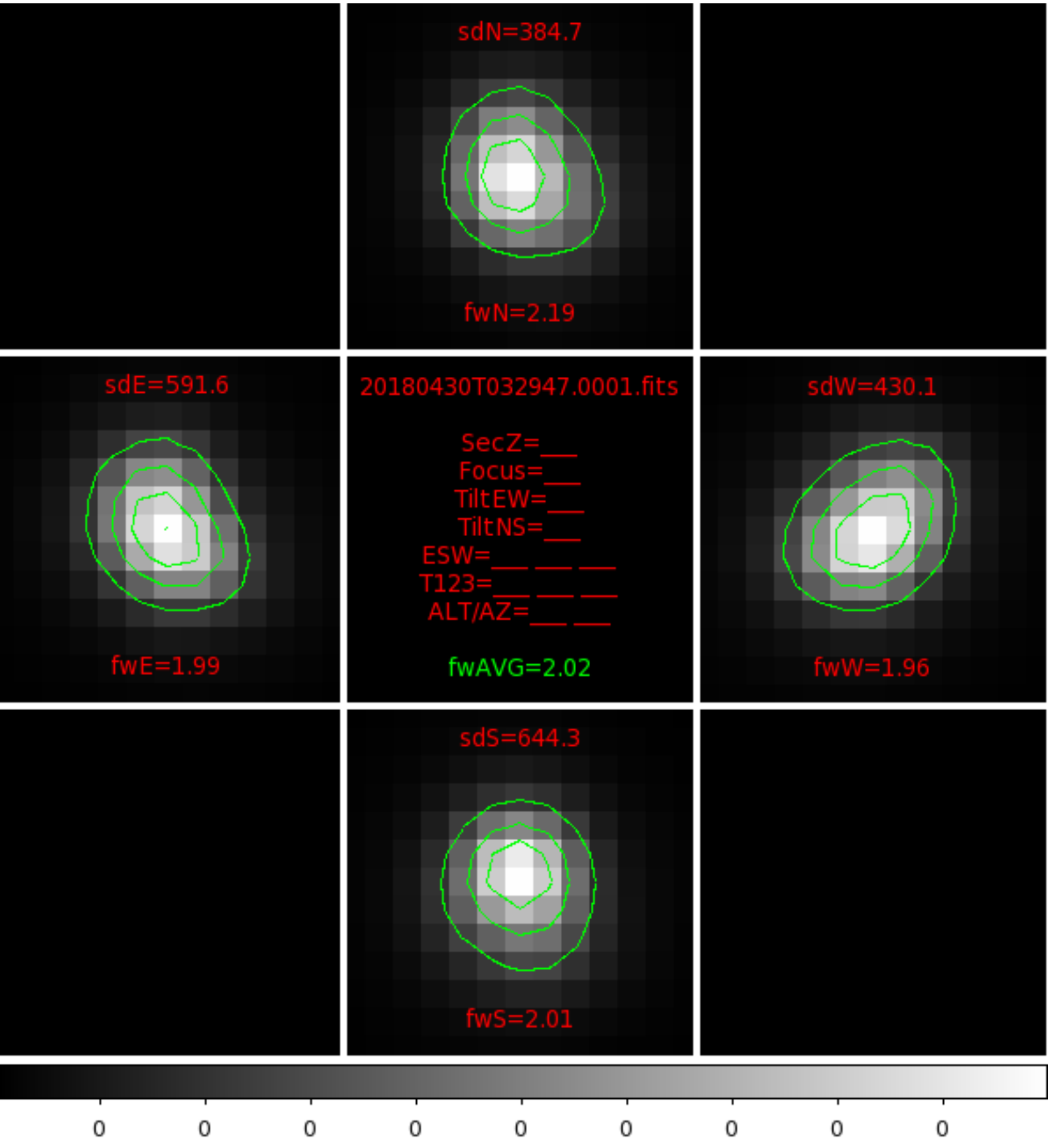
sdN=384.7
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sdE=591.6
fwE=1.99
20180430T032947.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.02
sdW=430.1
fwW=1.96
sdS=644.3
fwS=2.01
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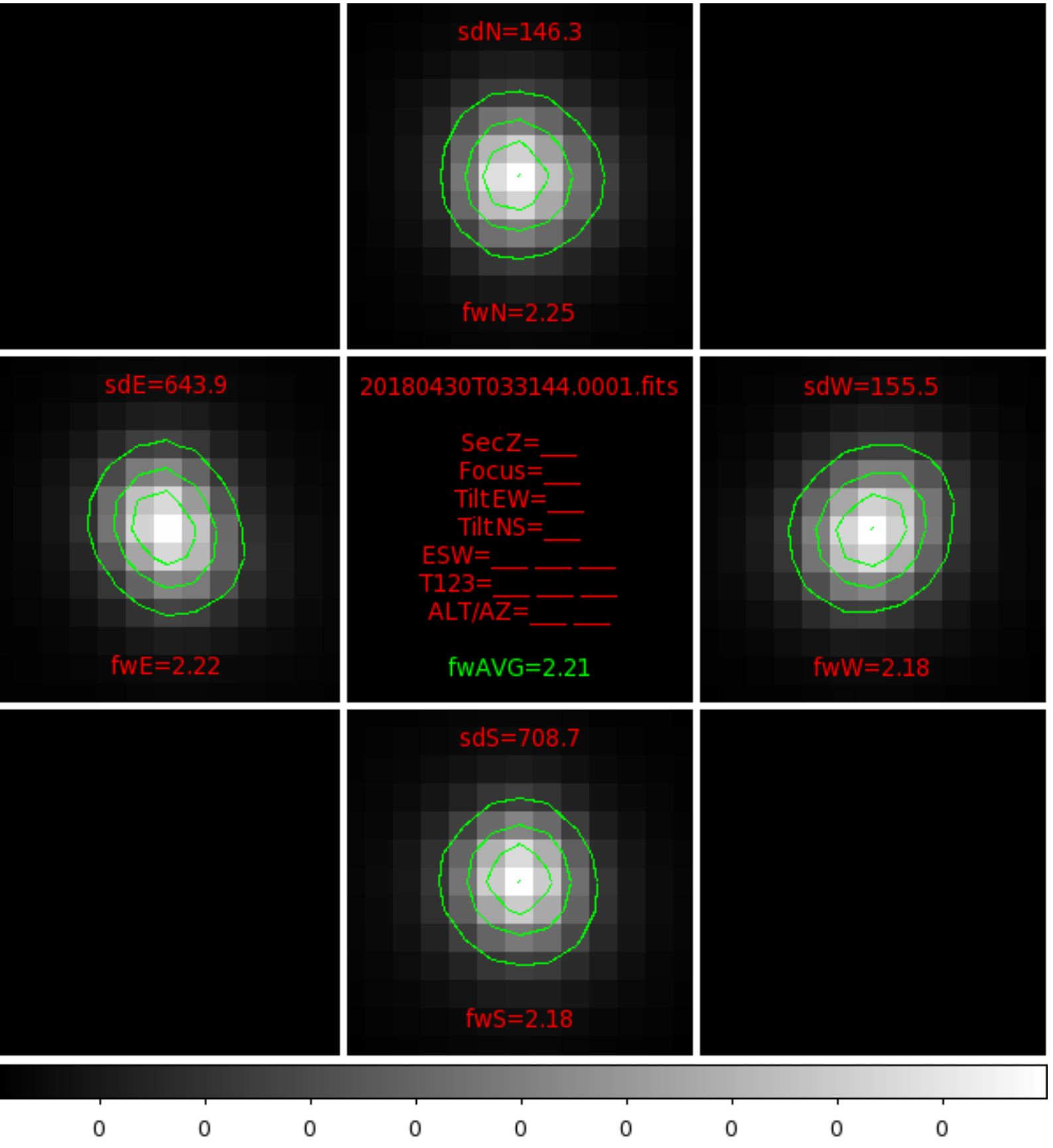
sdN=146.3
fwN=2.25
sdE=643.9
fwE=2.22
20180430T033144.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.21
sdW=155.5
fwW=2.18
sdS=708.7
fwS=2.18
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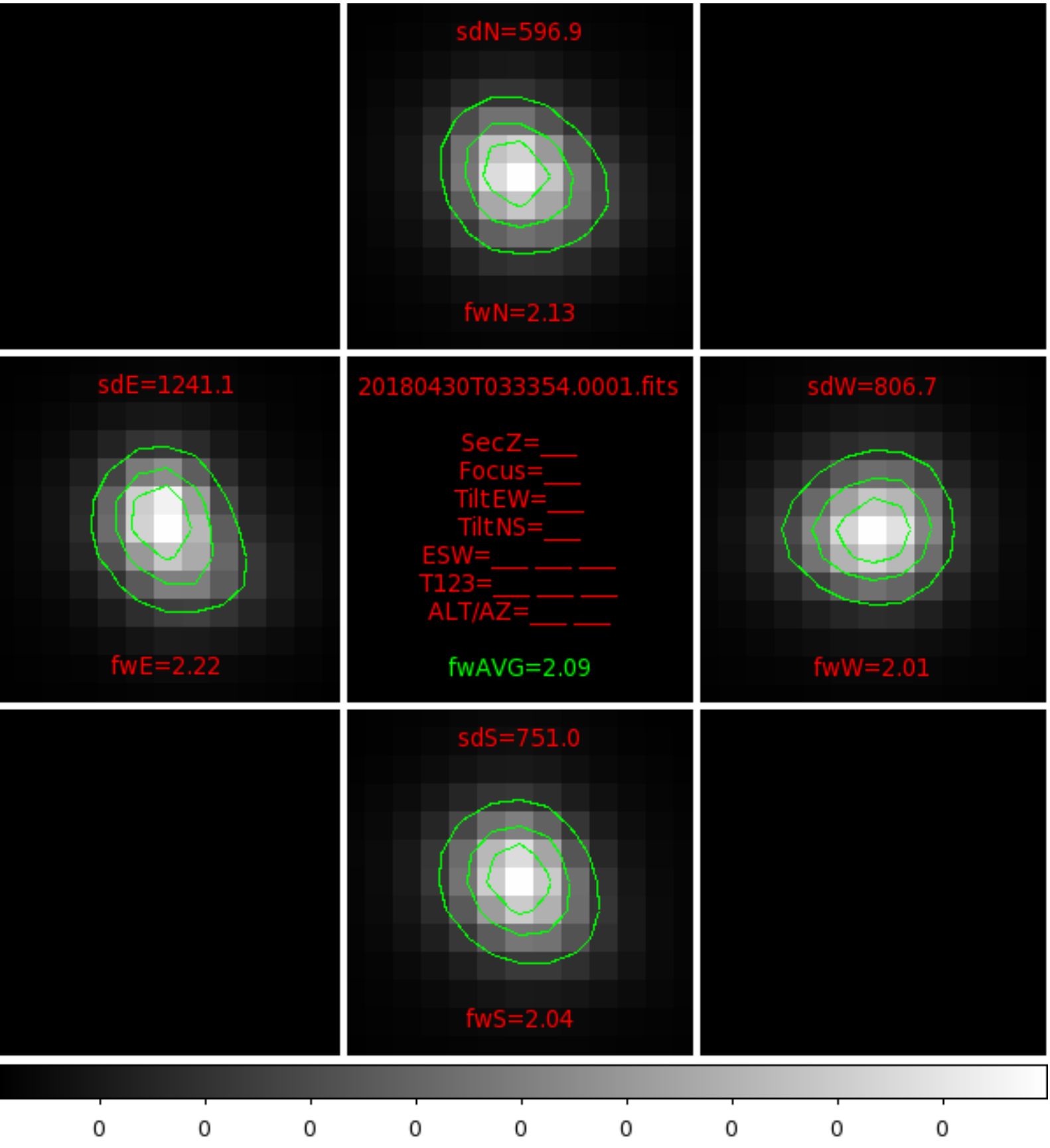
sdN=596.9
fwN=2.13
sdE=1241.1
fwE=2.22
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SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.09
sdW=806.7
fwW=2.01
sdS=751.0
fwS=2.04
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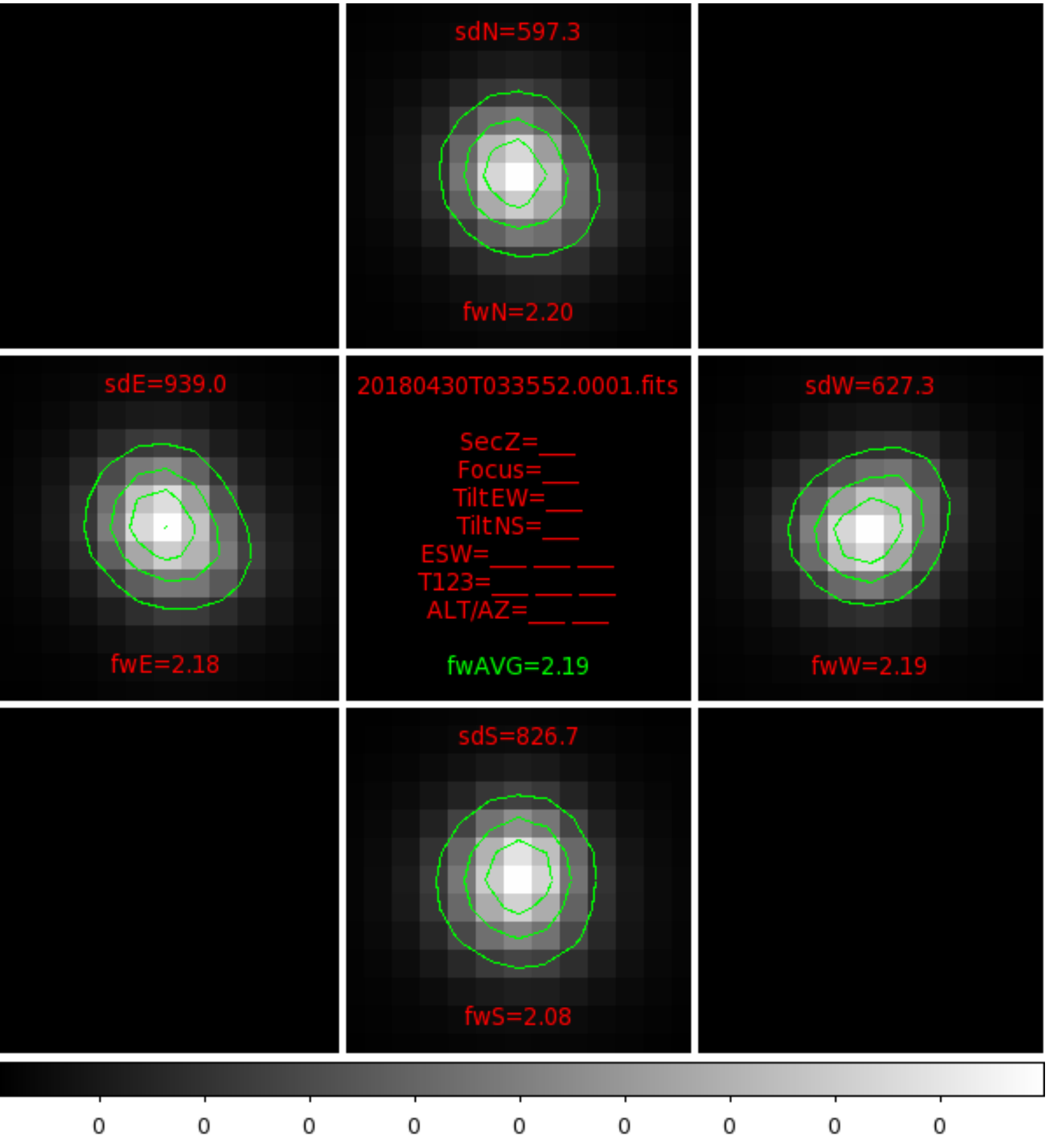
sdN=597.3
fwN=2.20
sdE=939.0
fwE=2.18
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SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.19
sdW=627.3
fwW=2.19
sdS=826.7
fwS=2.08
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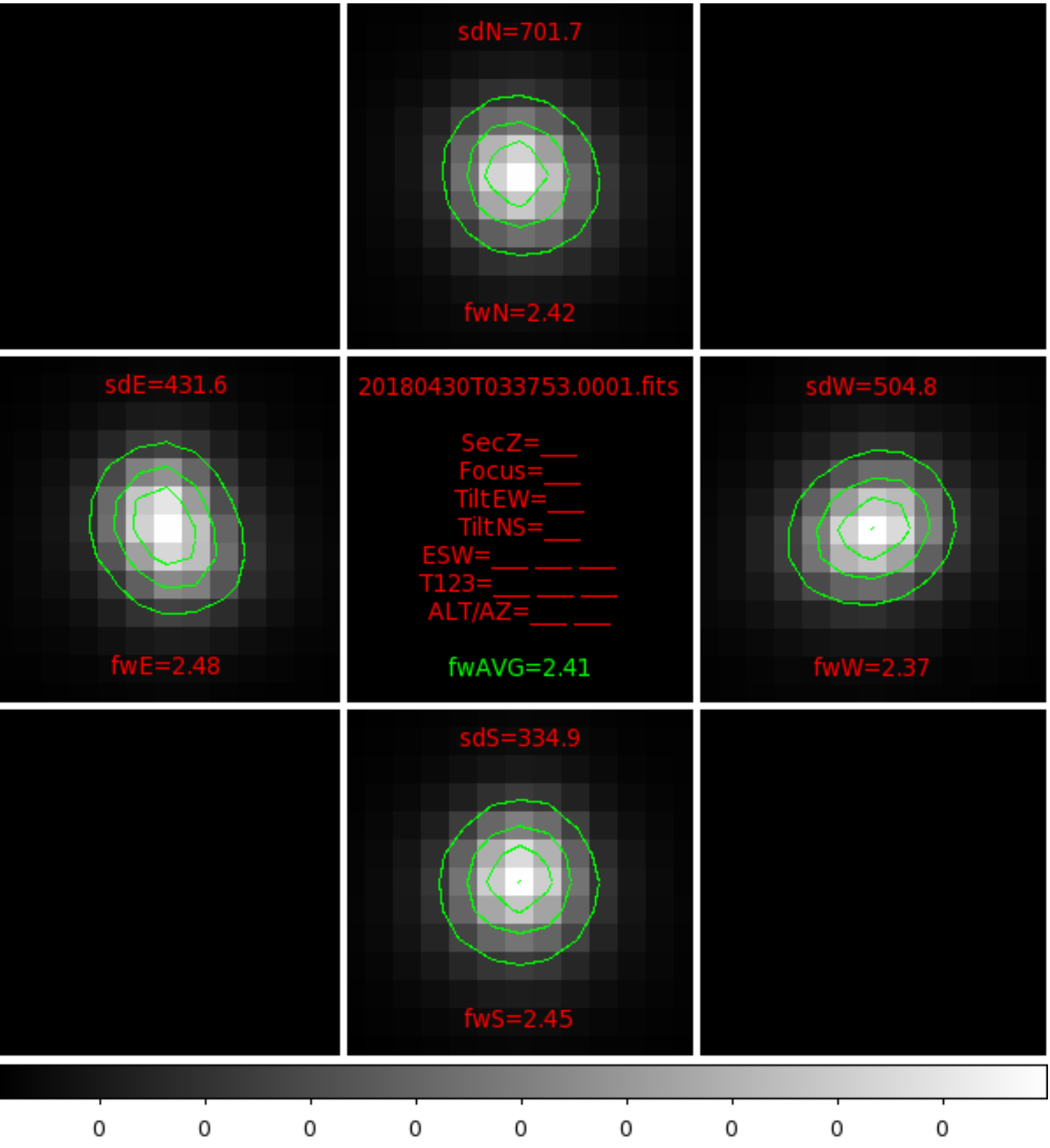
sdN=701.7
fwN=2.42
sdE=431.6
fwE=2.48
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SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.41
sdW=504.8
fwW=2.37
sdS=334.9
fwS=2.45
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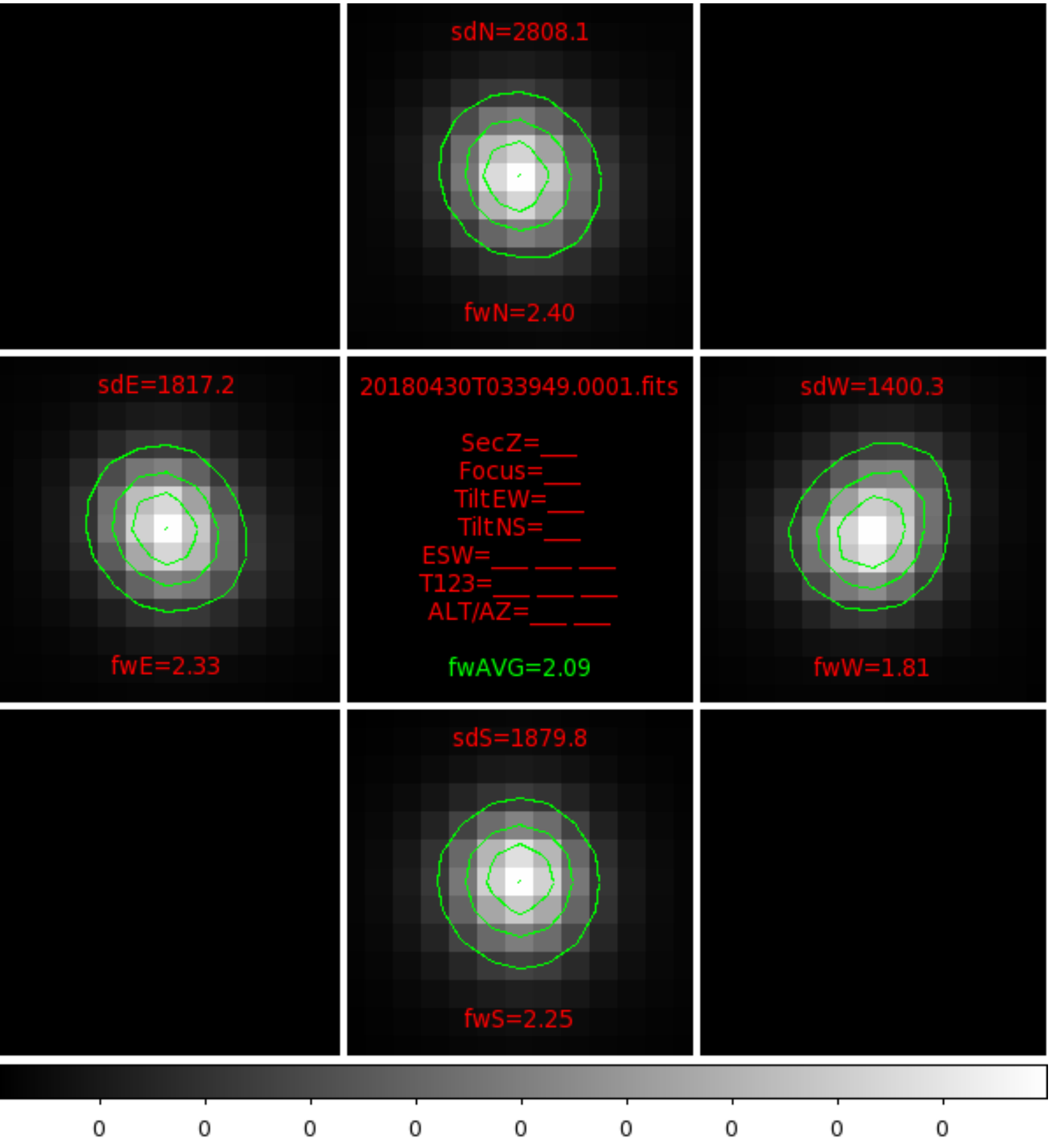
sdN=2808.1
fwN=2.40
sdE=1817.2
fwE=2.33
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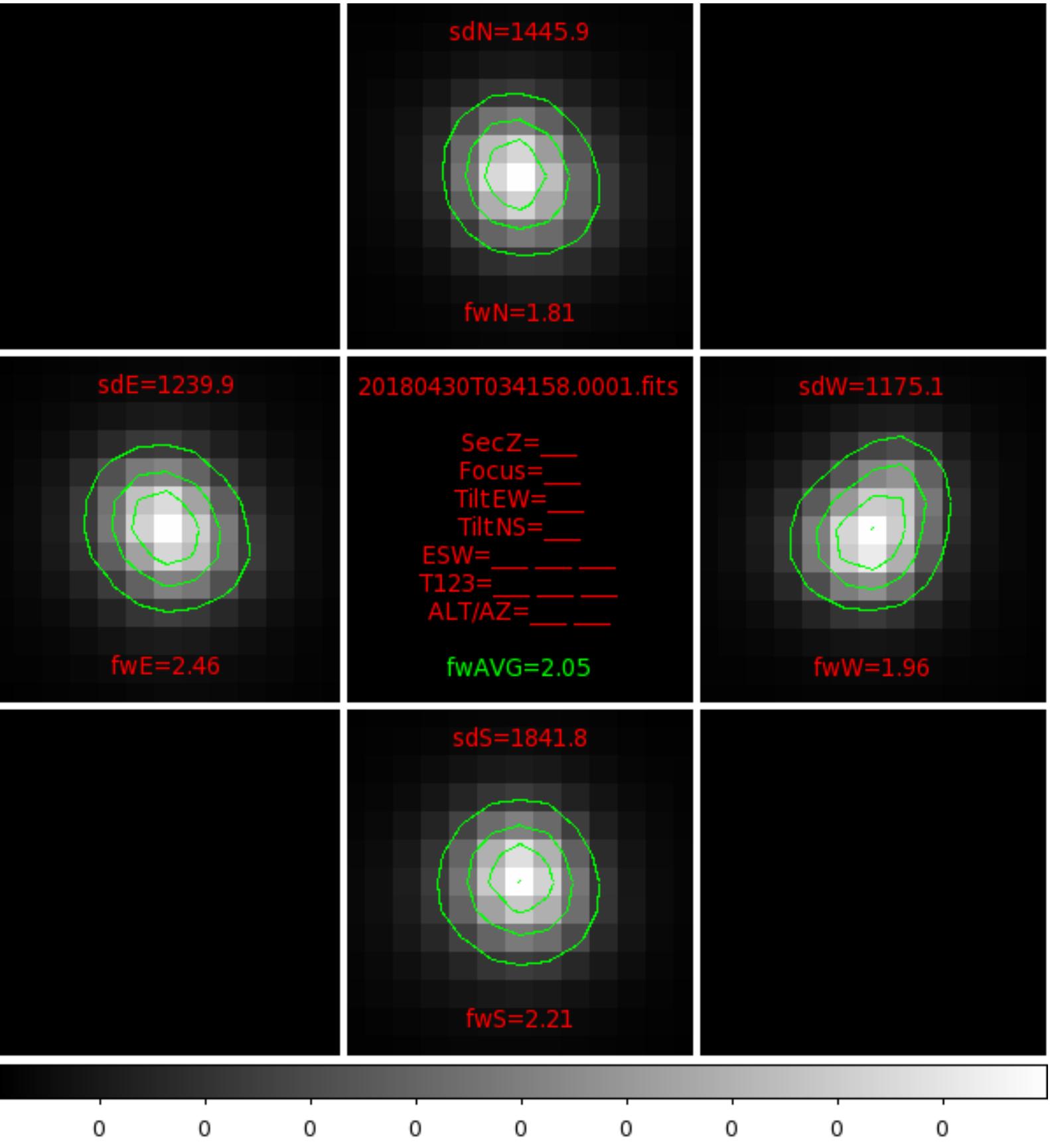
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.09
sdW=1400.3
fwW=1.81
sdS=1879.8
fwS=2.25
0 0 0 0 0 0 0 0 0


sdN=1445.9
fwN=1.81
sdE=1239.9
fwE=2.46
20180430T034158.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.05
sdW=1175.1
fwW=1.96
sdS=1841.8
fwS=2.21
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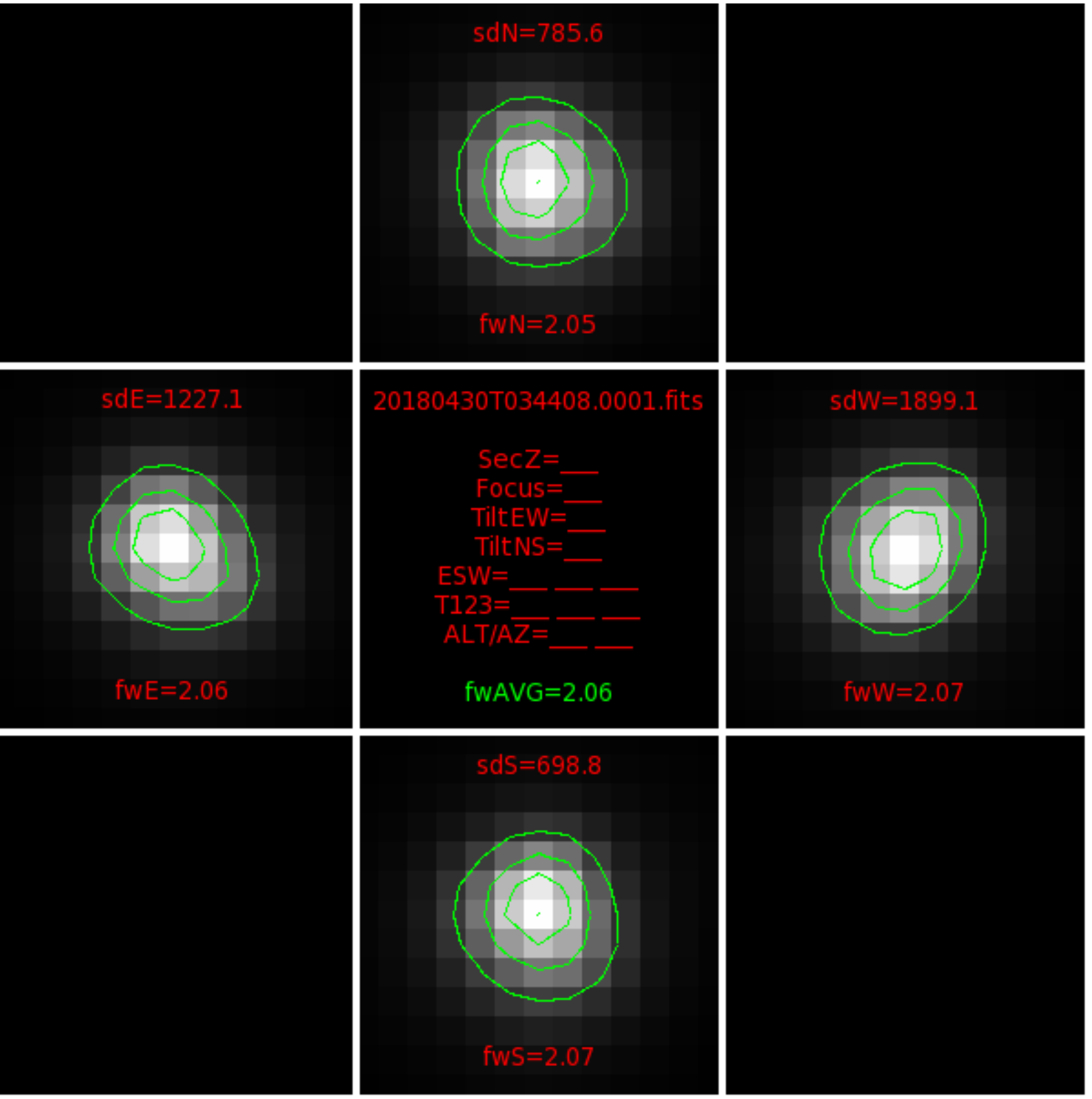
sdN=785.6
fwN=2.05
sdE=1227.1
fwE=2.06
20180430T034408.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.06
sdW=1899.1
fwW=2.07
sdS=698.8
fwS=2.07
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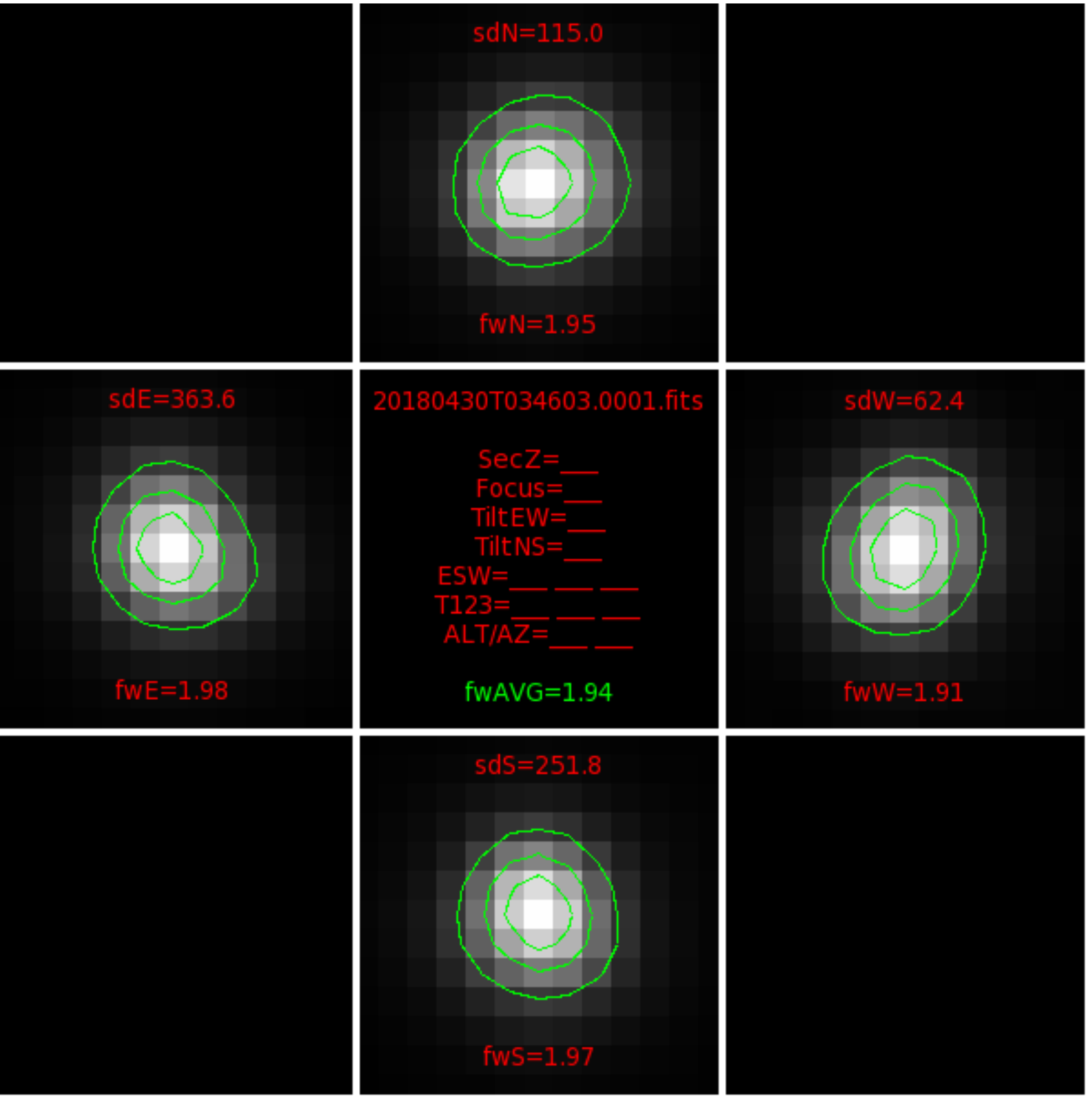
sdN=115.0
fwN=1.95
sdE=363.6
fwE=1.98
20180430T034603.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.94
sdW=62.4
fwW=1.91
sdS=251.8
fwS=1.97
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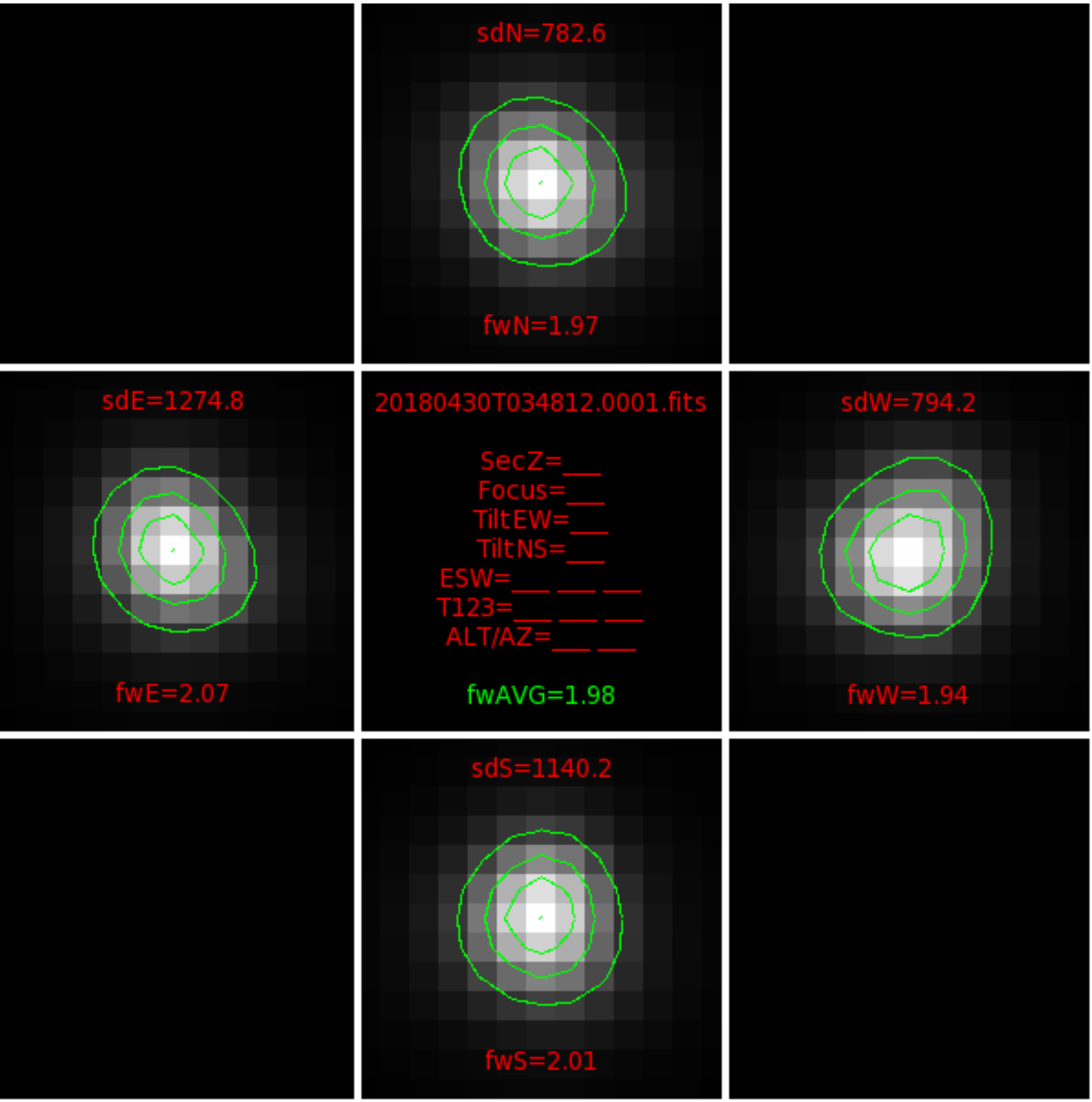
sdN=782.6
fwN=1.97
sdE=1274.8
fwE=2.07
20180430T034812.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.98
sdW=794.2
fwW=1.94
sdS=1140.2
fwS=2.01
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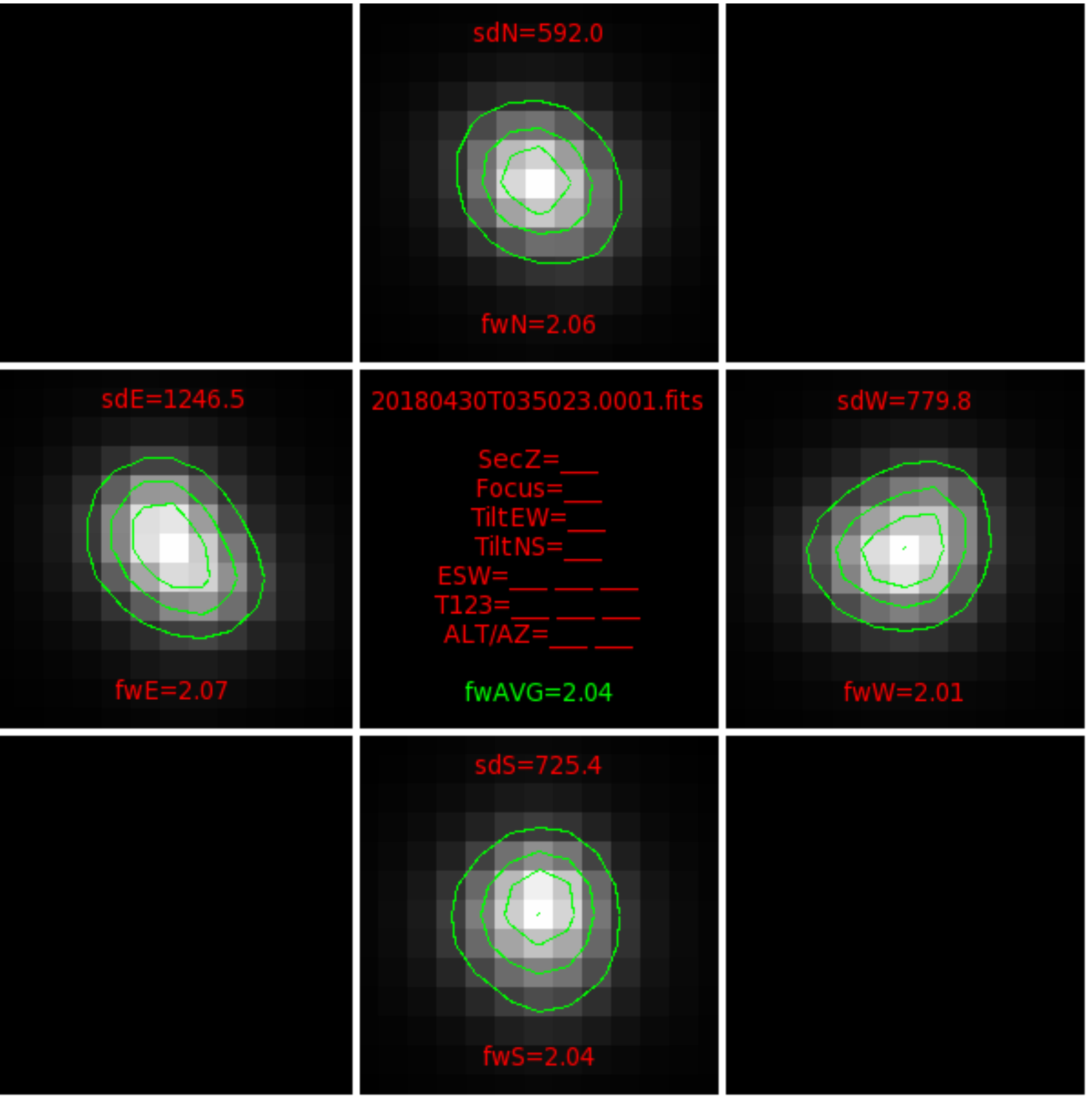
sdN=592.0
fwN=2.06
sdE=1246.5
fwE=2.07
20180430T035023.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.04
sdW=779.8
fwW=2.01
sdS=725.4
fwS=2.04
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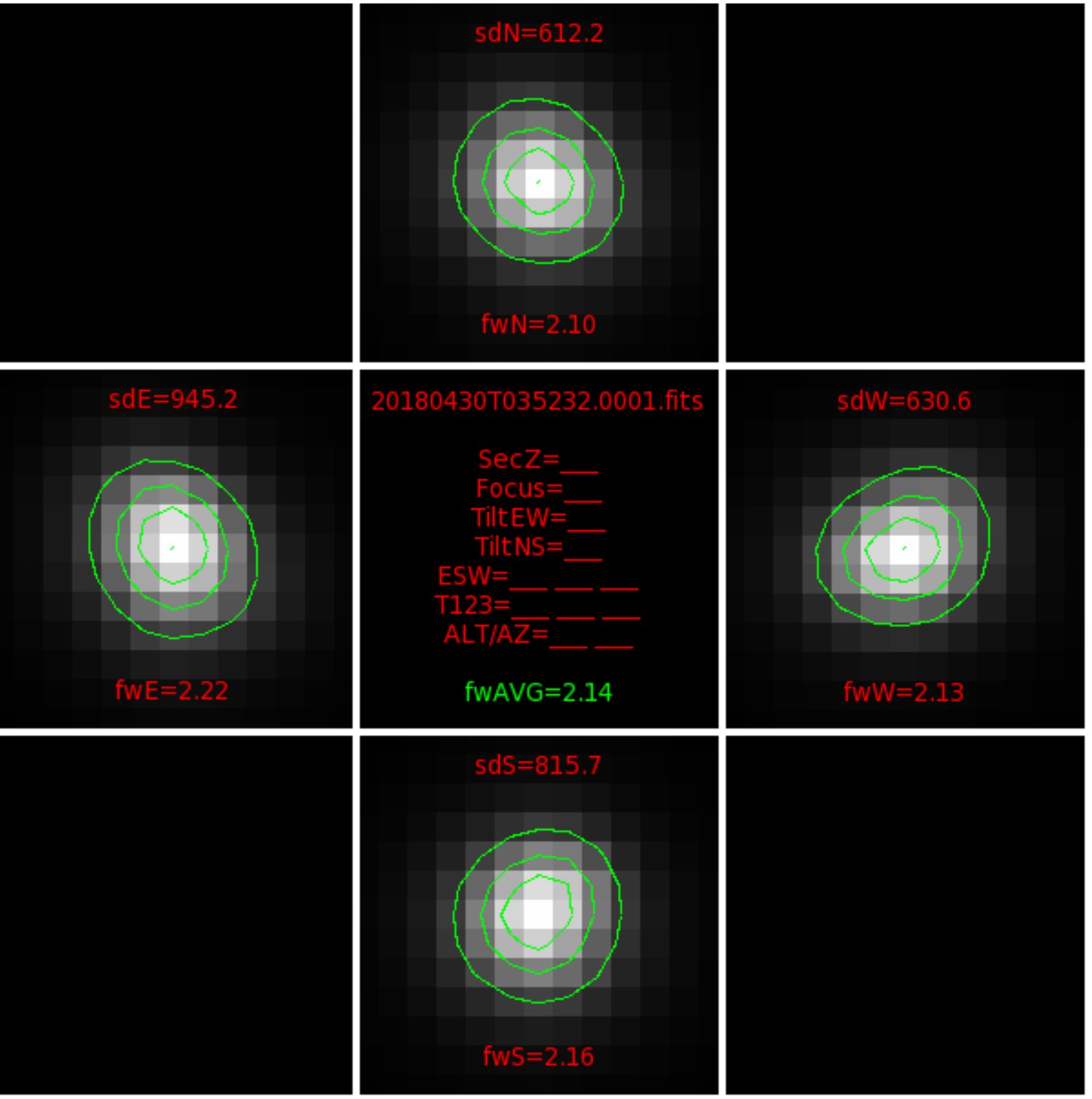
sdN=612.2
fwN=2.10
sdE=945.2
fwE=2.22
20180430T035232.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.14
sdW=630.6
fwW=2.13
sdS=815.7
fwS=2.16
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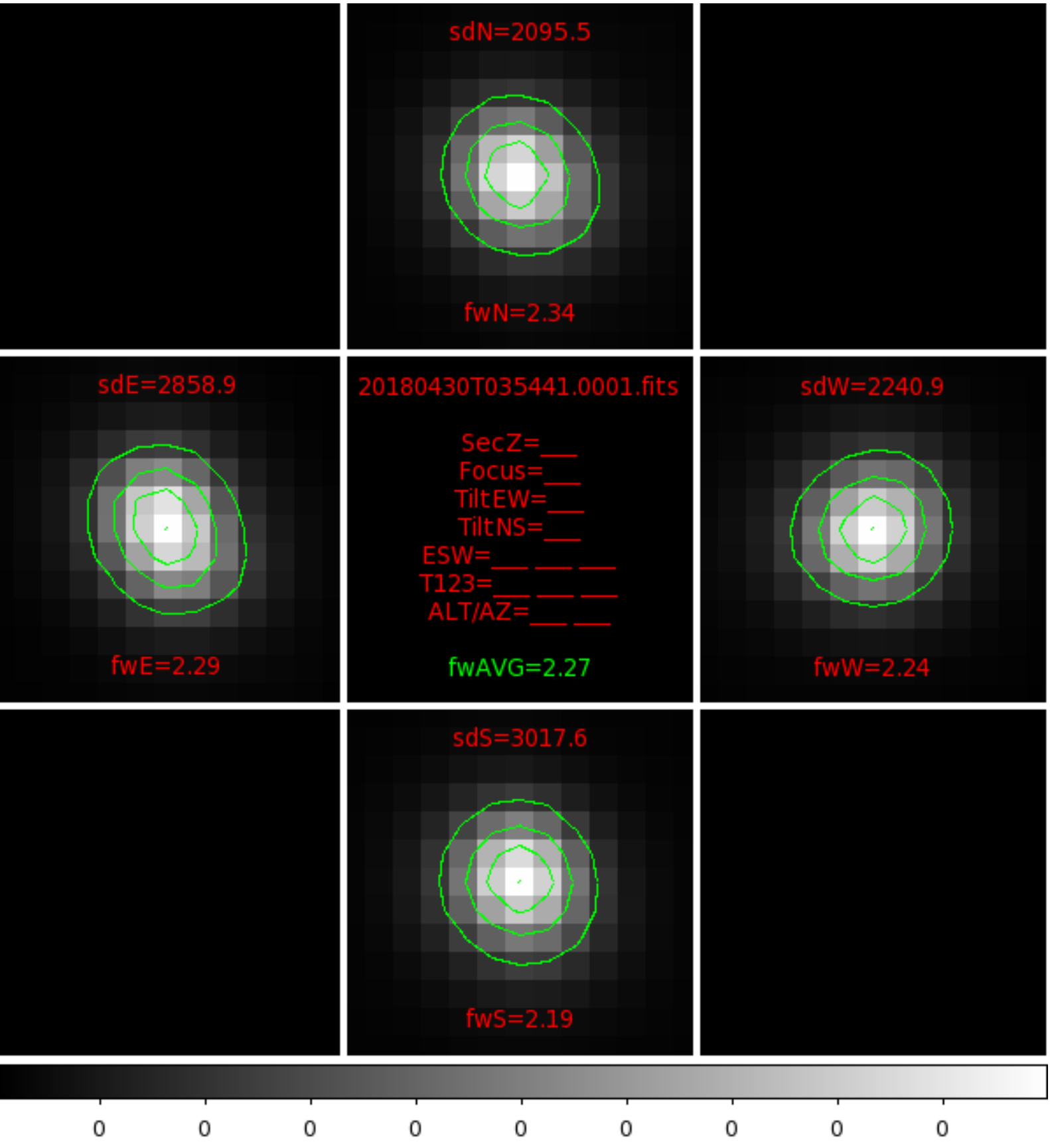
sdN=2095.5
fwN=2.34
sdE=2858.9
fwE=2.29
20180430T035441.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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sdW=2240.9
fwW=2.24
sdS=3017.6
fwS=2.19
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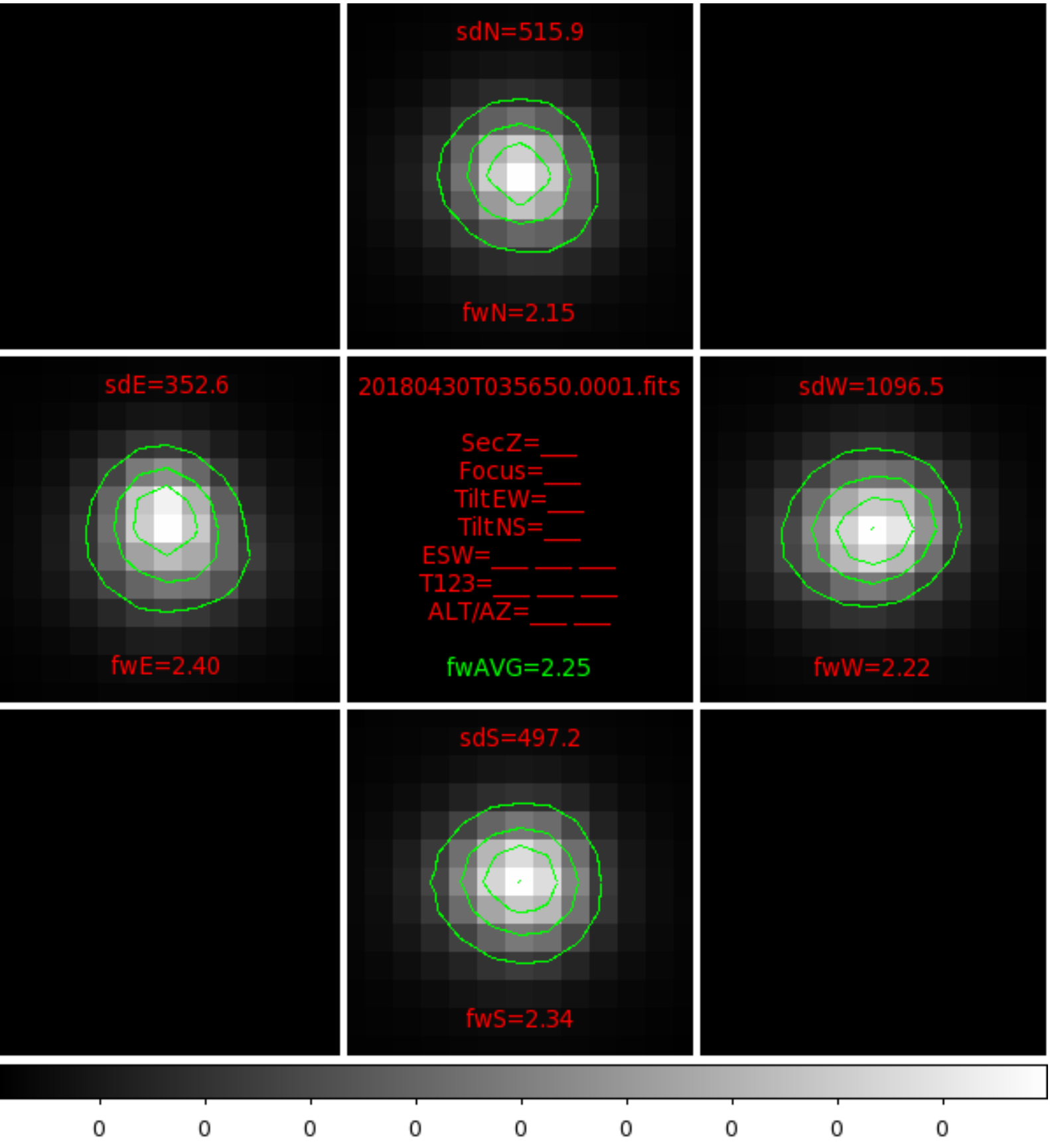
sdN=515.9
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sdE=352.6
fwE=2.40
20180430T035650.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.25
sdW=1096.5
fwW=2.22
sdS=497.2
fwS=2.34
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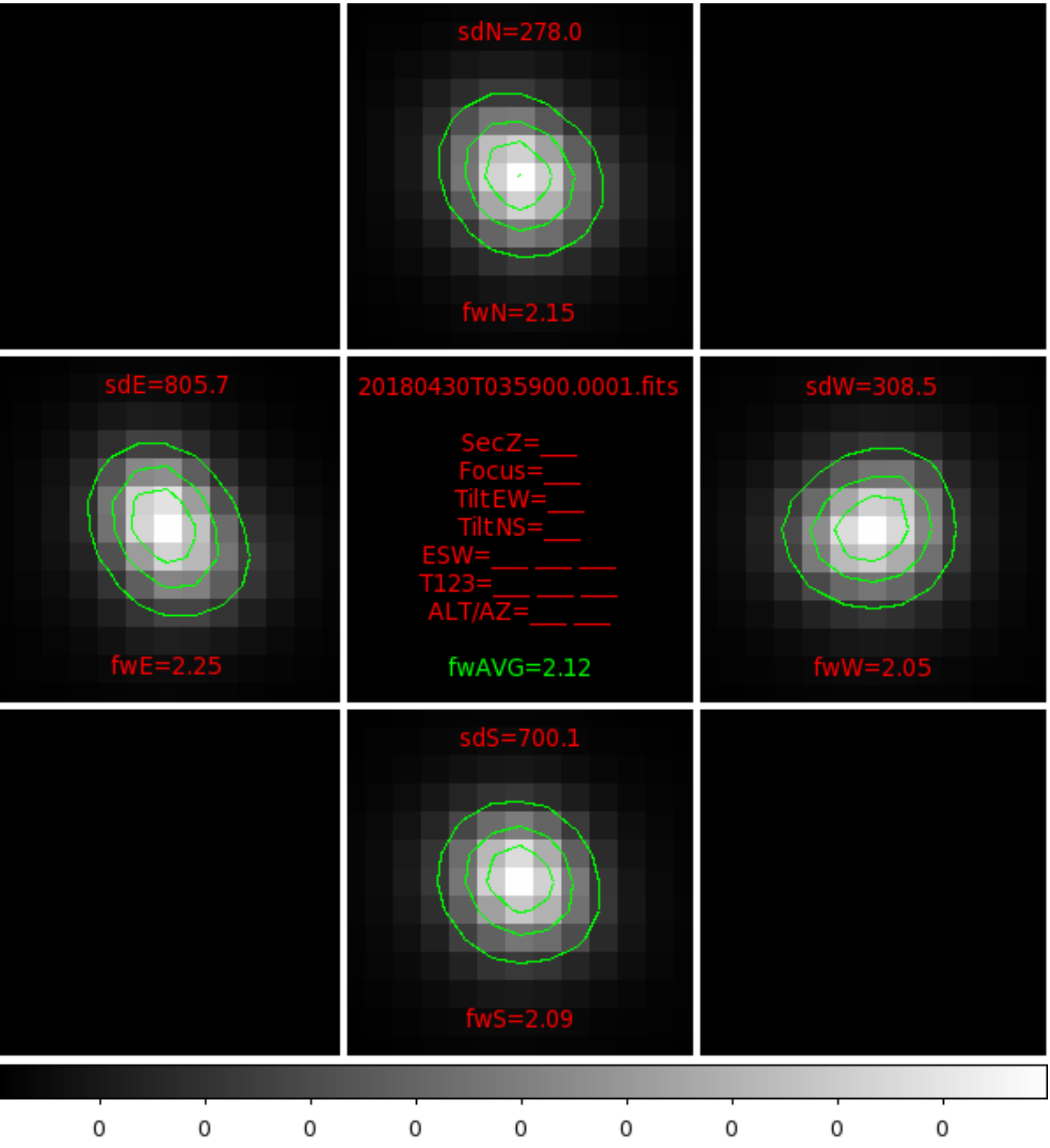
sdN=278.0
fwN=2.15
sdE=805.7
fwE=2.25
20180430T035900.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.12
sdW=308.5
fwW=2.05
sdS=700.1
fwS=2.09
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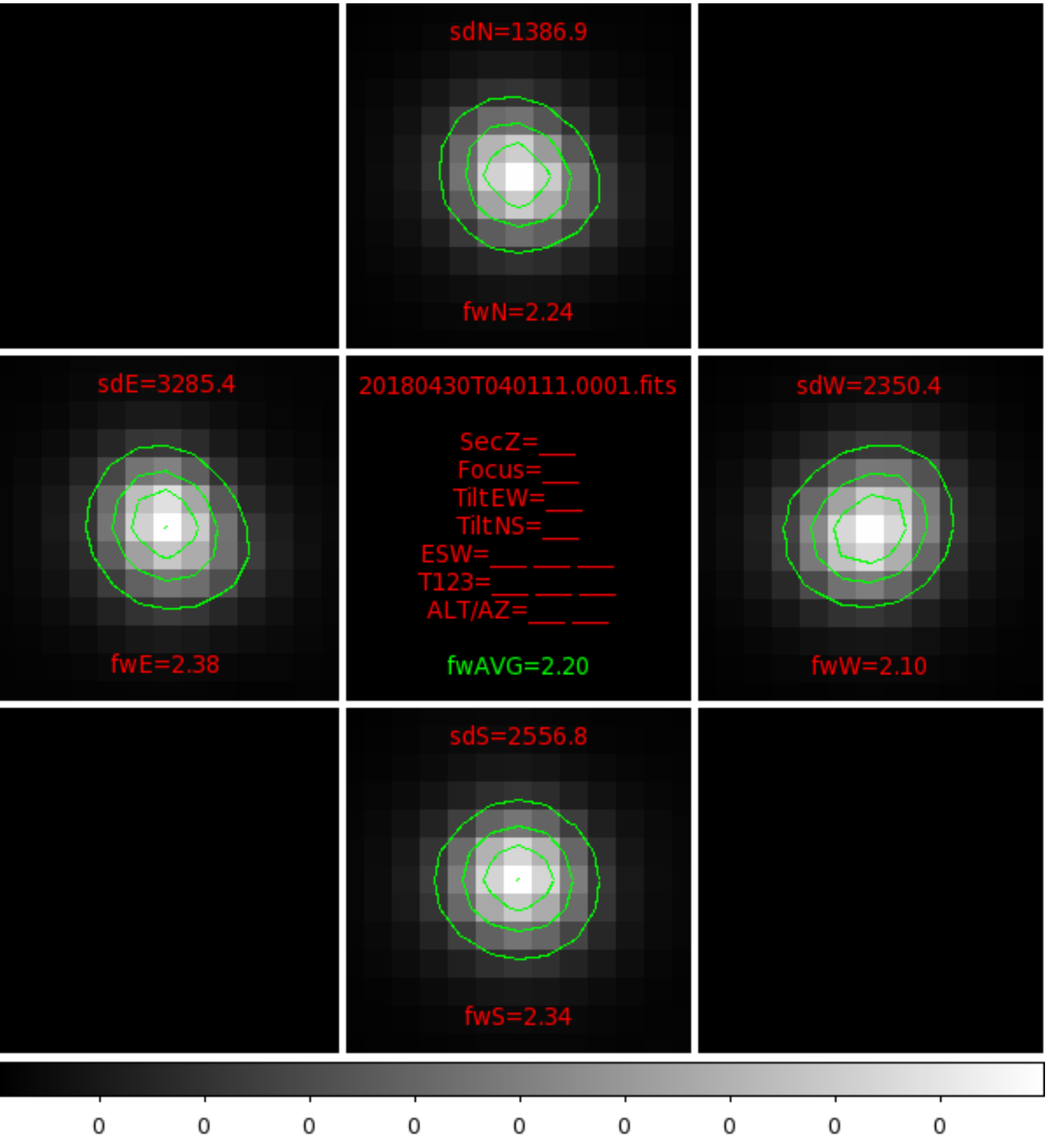
sdN=1386.9
fwN=2.24
sdE=3285.4
fwE=2.38
20180430T040111.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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sdW=2350.4
fwW=2.10
sdS=2556.8
fwS=2.34
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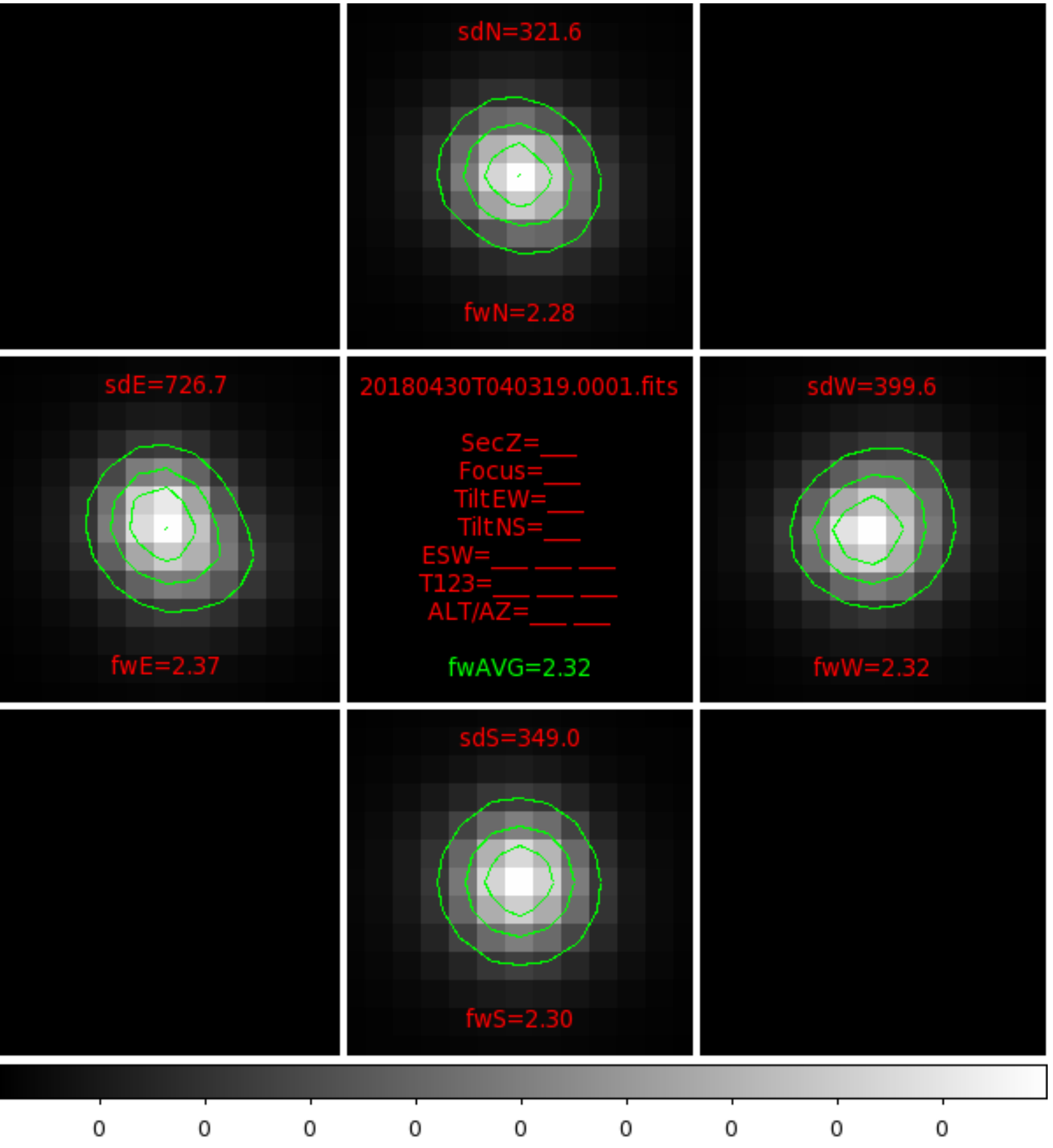
sdN=321.6
fwN=2.28
sdE=726.7
fwE=2.37
20180430T040319.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.32
sdW=399.6
fwW=2.32
sdS=349.0
fwS=2.30
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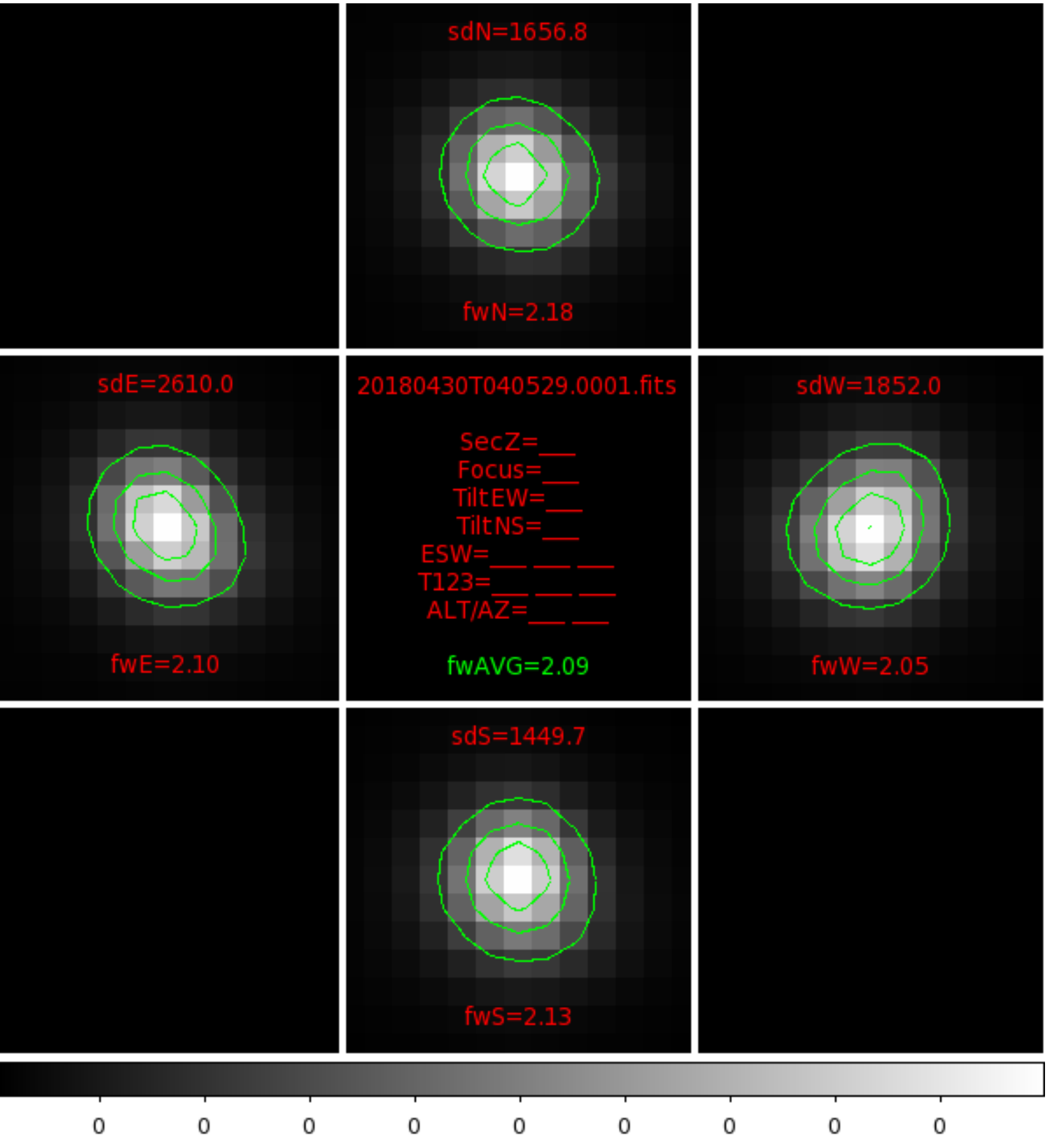
sdN=1656.8
fwN=2.18
sdE=2610.0
fwE=2.10
20180430T040529.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.09
sdW=1852.0
fwW=2.05
sdS=1449.7
fwS=2.13
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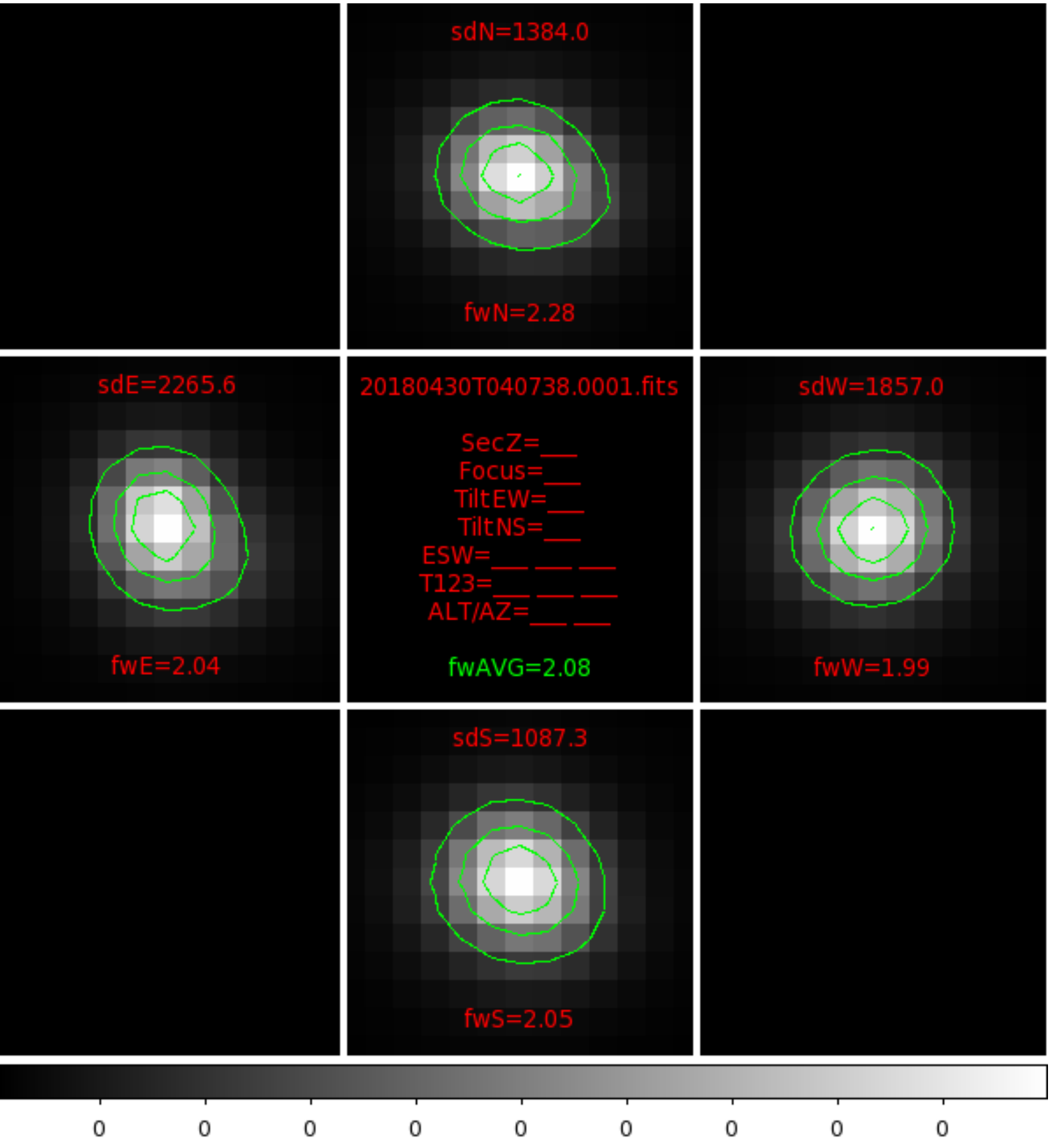
sdN=1384.0
fwN=2.28
sdE=2265.6
fwE=2.04
20180430T040738.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.08
sdW=1857.0
fwW=1.99
sdS=1087.3
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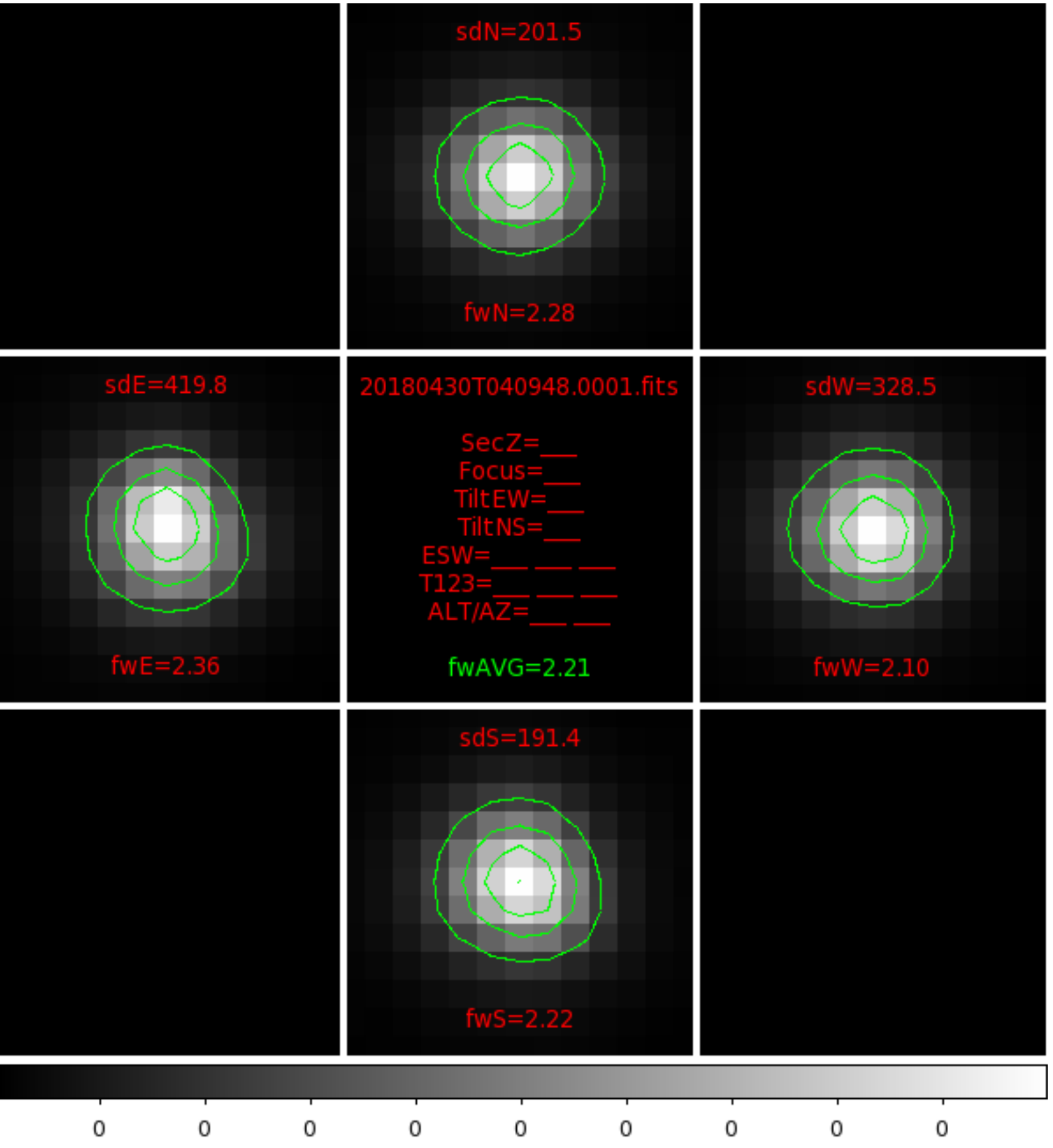
sdN=201.5
fwN=2.28
sdE=419.8
fwE=2.36
20180430T040948.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.21
sdW=328.5
fwW=2.10
sdS=191.4
fwS=2.22
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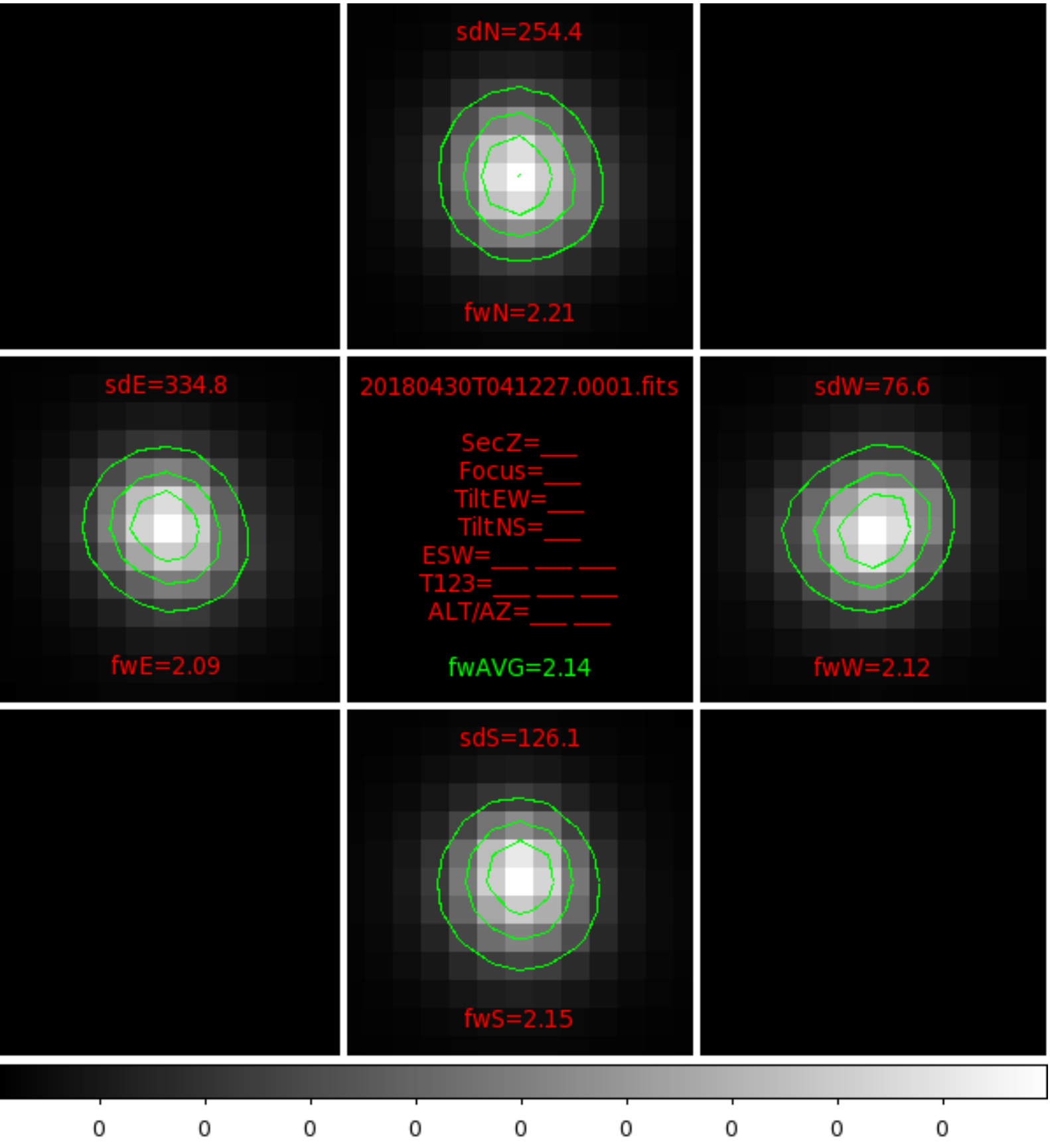
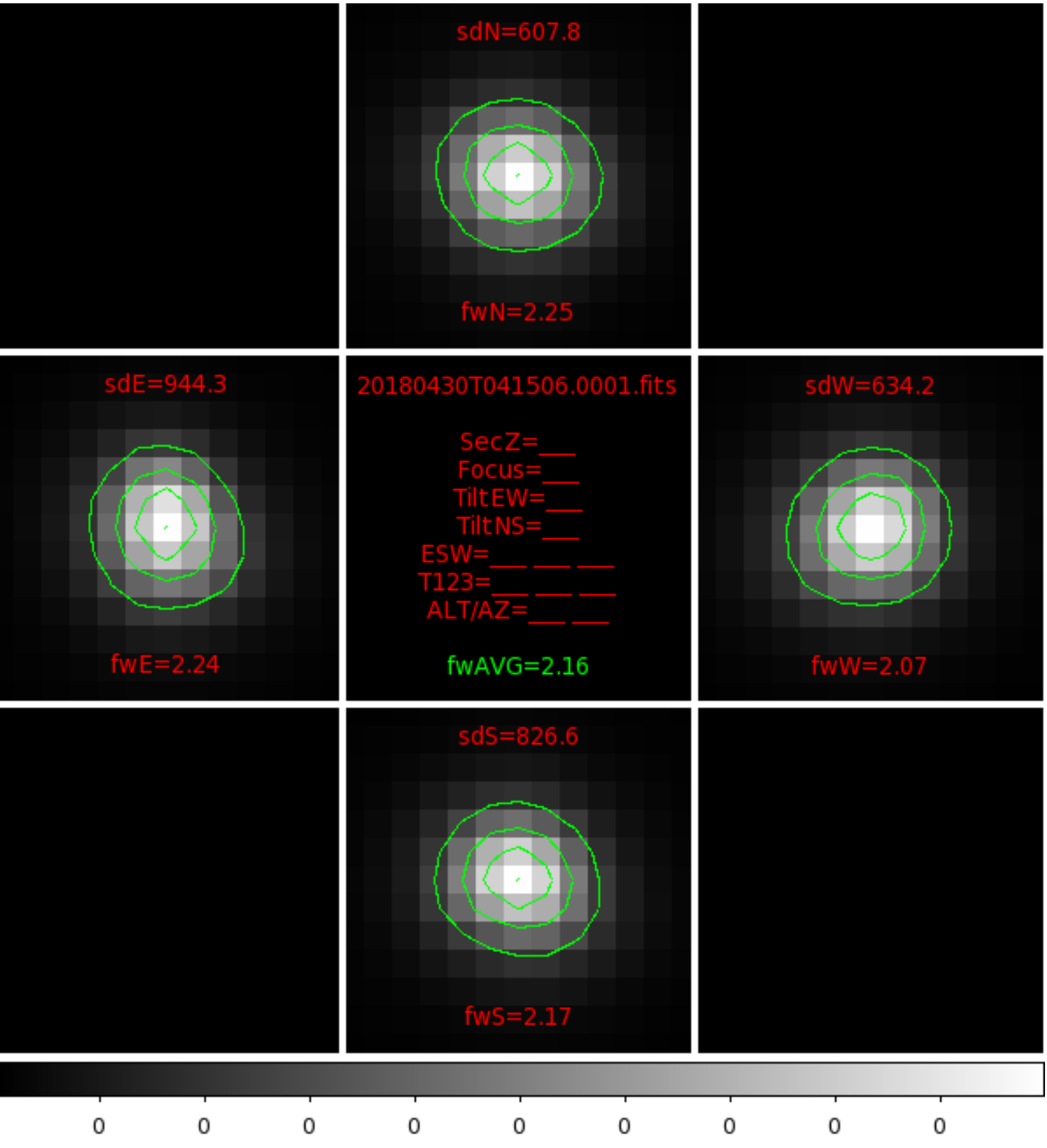

sdN=254.4
fwN=2.21
sdE=334.8
fwE=2.09
20180430T041227.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.14
sdW=76.6
fwW=2.12
sdS=126.1
fwS=2.15
0 0 0 0 0 0 0 0 0


sdN=607.8
fwN=2.25
sdE=944.3
fwE=2.24
20180430T041506.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.16
sdW=634.2
fwW=2.07
sdS=826.6
fwS=2.17
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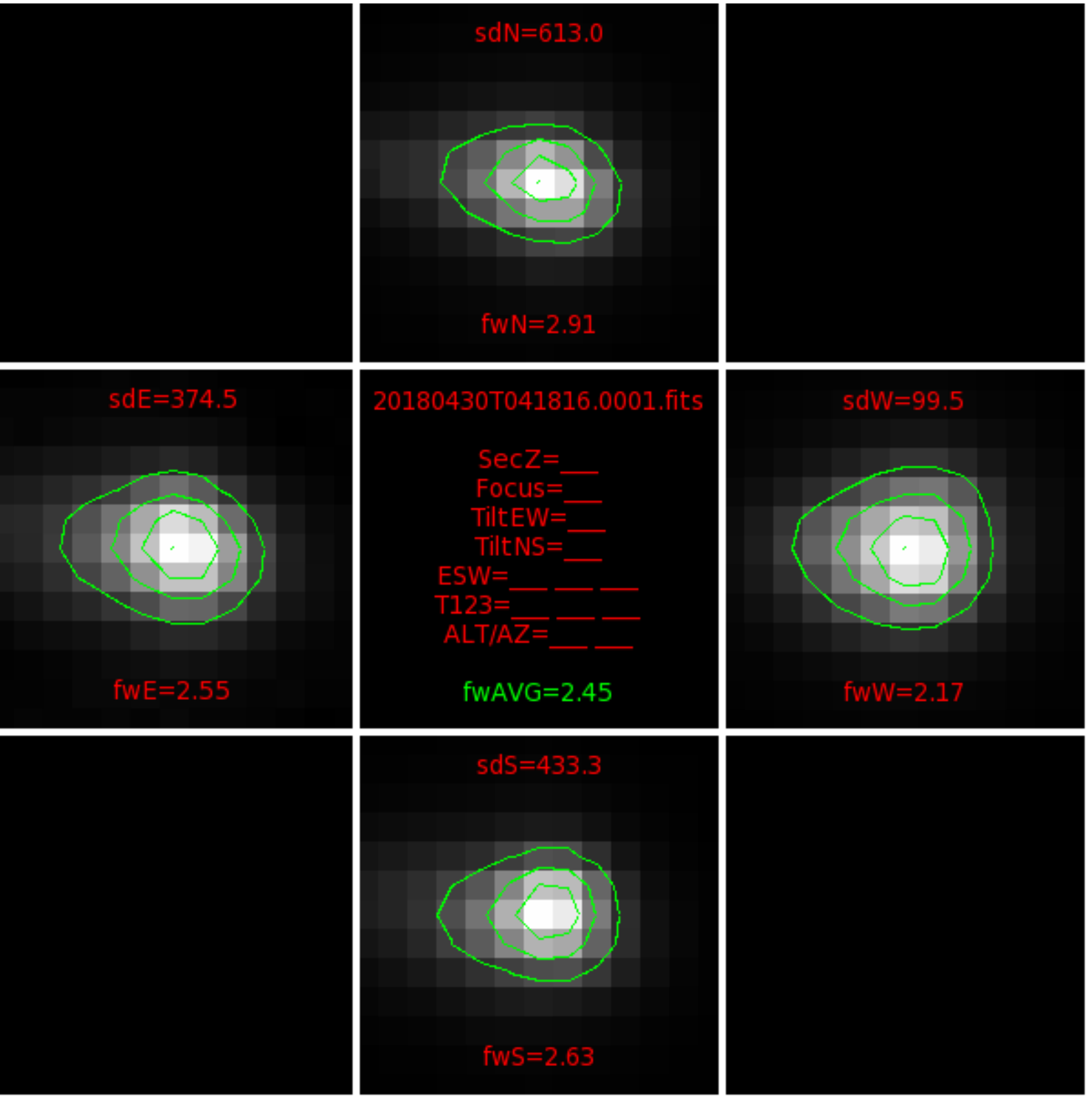
sdN=613.0
fwN=2.91
sdE=374.5
fwE=2.55
20180430T041816.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.45
sdW=99.5
fwW=2.17
sdS=433.3
fwS=2.63
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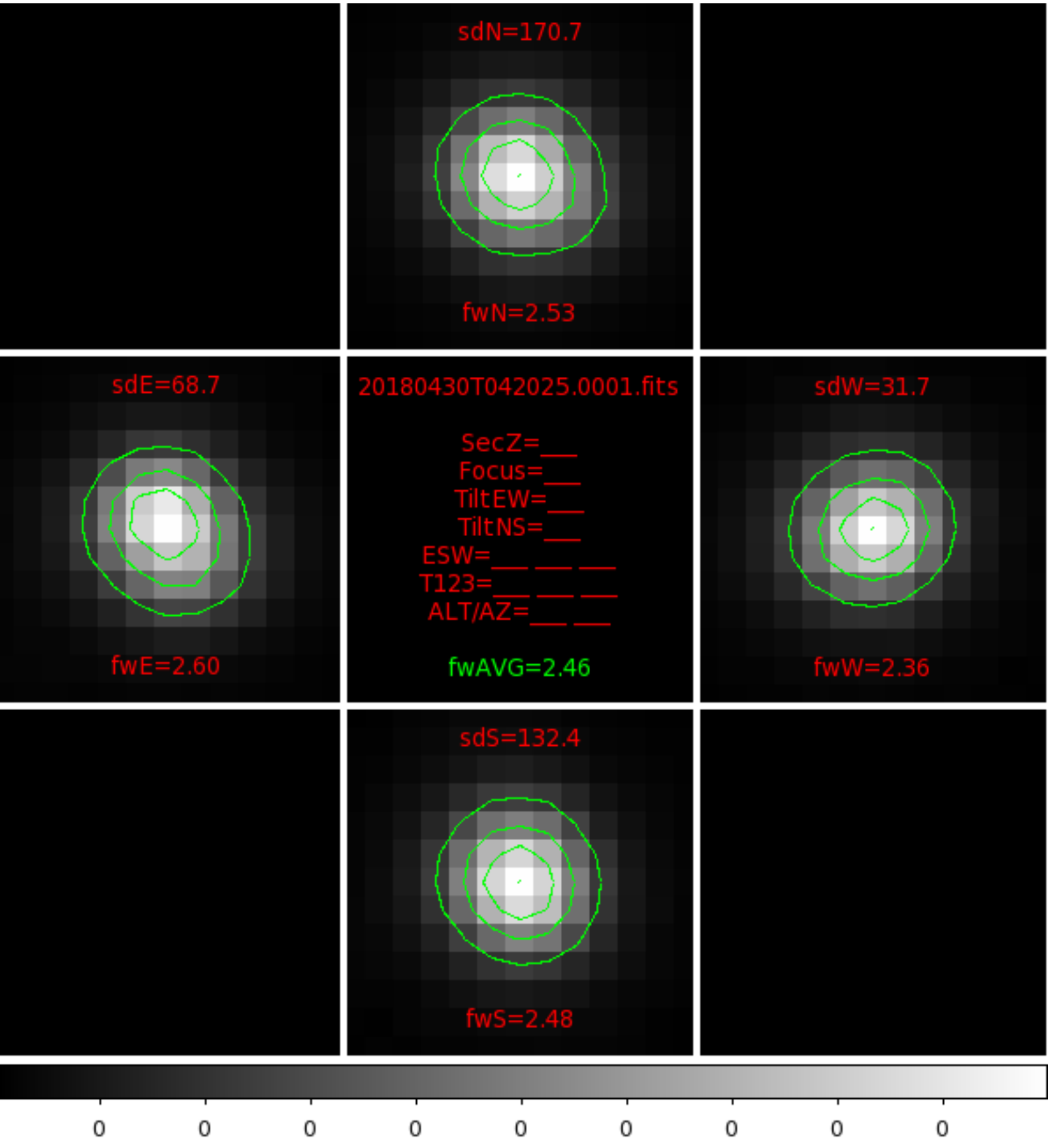
sdN=170.7
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sdE=68.7
fwE=2.60
20180430T042025.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.46
sdW=31.7
fwW=2.36
sdS=132.4
fwS=2.48
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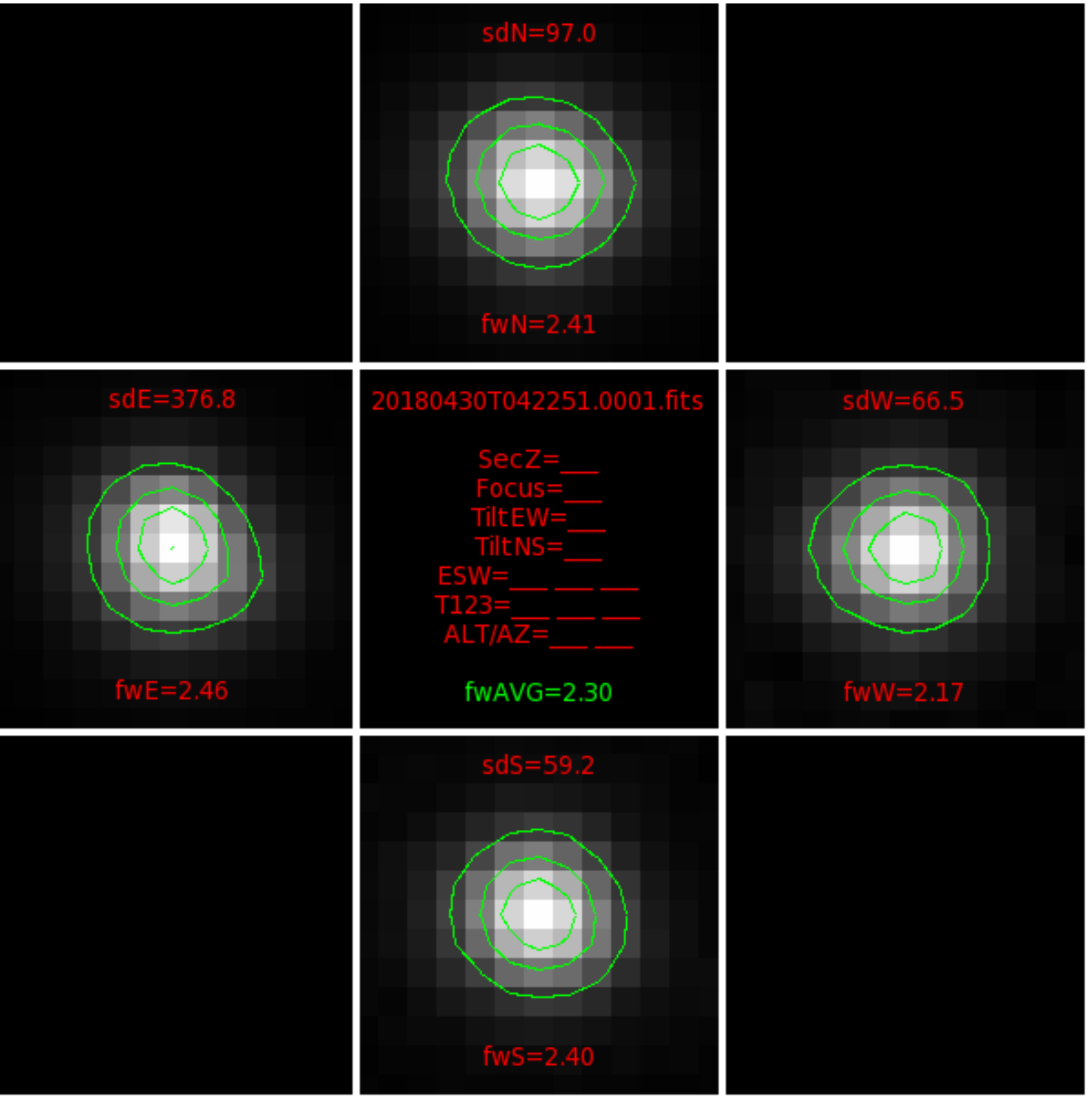
sdN=97.0
fwN=2.41
sdE=376.8
fwE=2.46
20180430T042251.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.30
sdW=66.5
fwW=2.17
sdS=59.2
fwS=2.40
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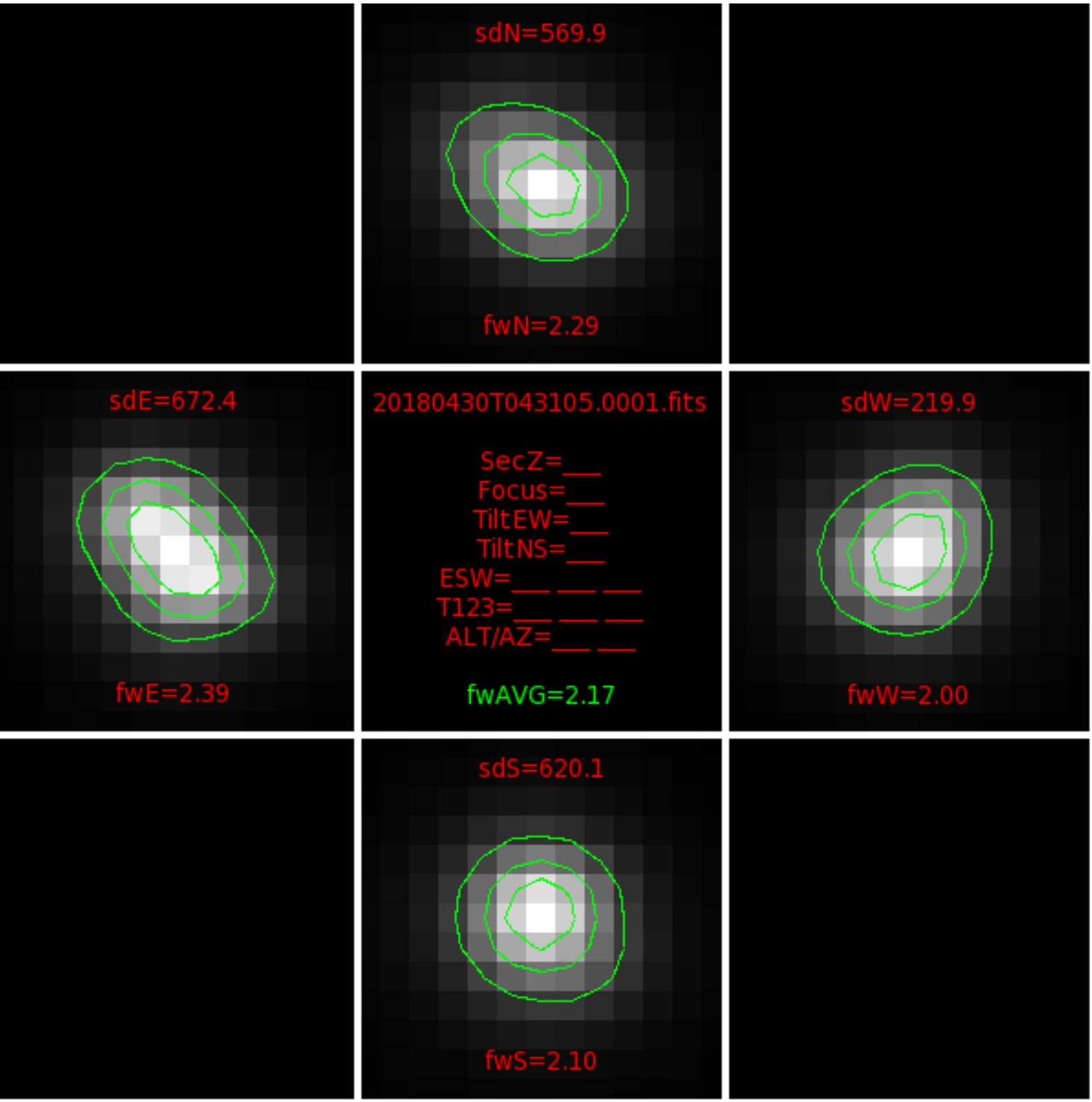
sdN=569.9
fwN=2.29
sdE=672.4
fwE=2.39
20180430T043105.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.17
sdW=219.9
fwW=2.00
sdS=620.1
fwS=2.10
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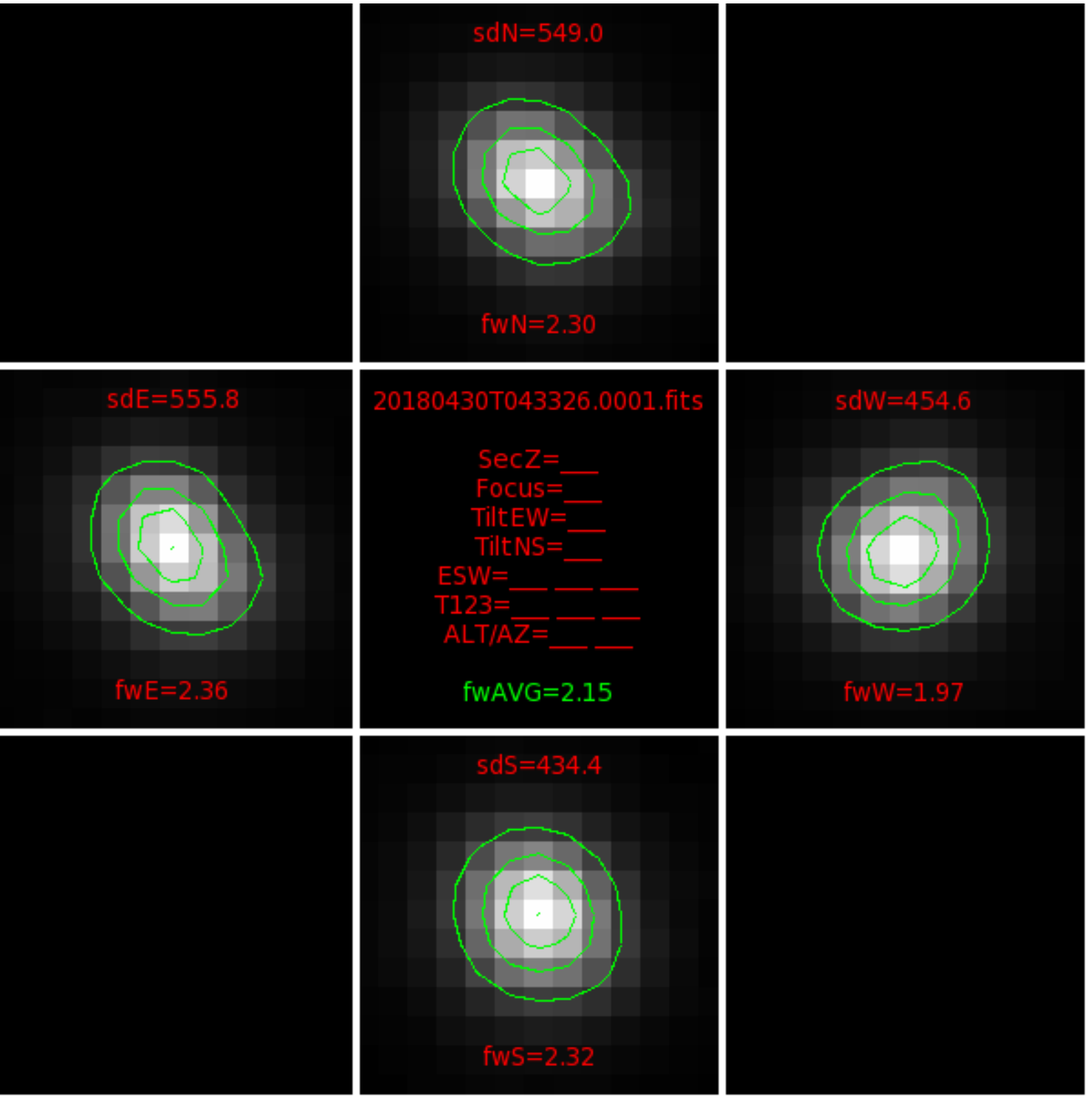
sdN=549.0
fwN=2.30
sdE=555.8
fwE=2.36
20180430T043326.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.15
sdW=454.6
fwW=1.97
sdS=434.4
fwS=2.32
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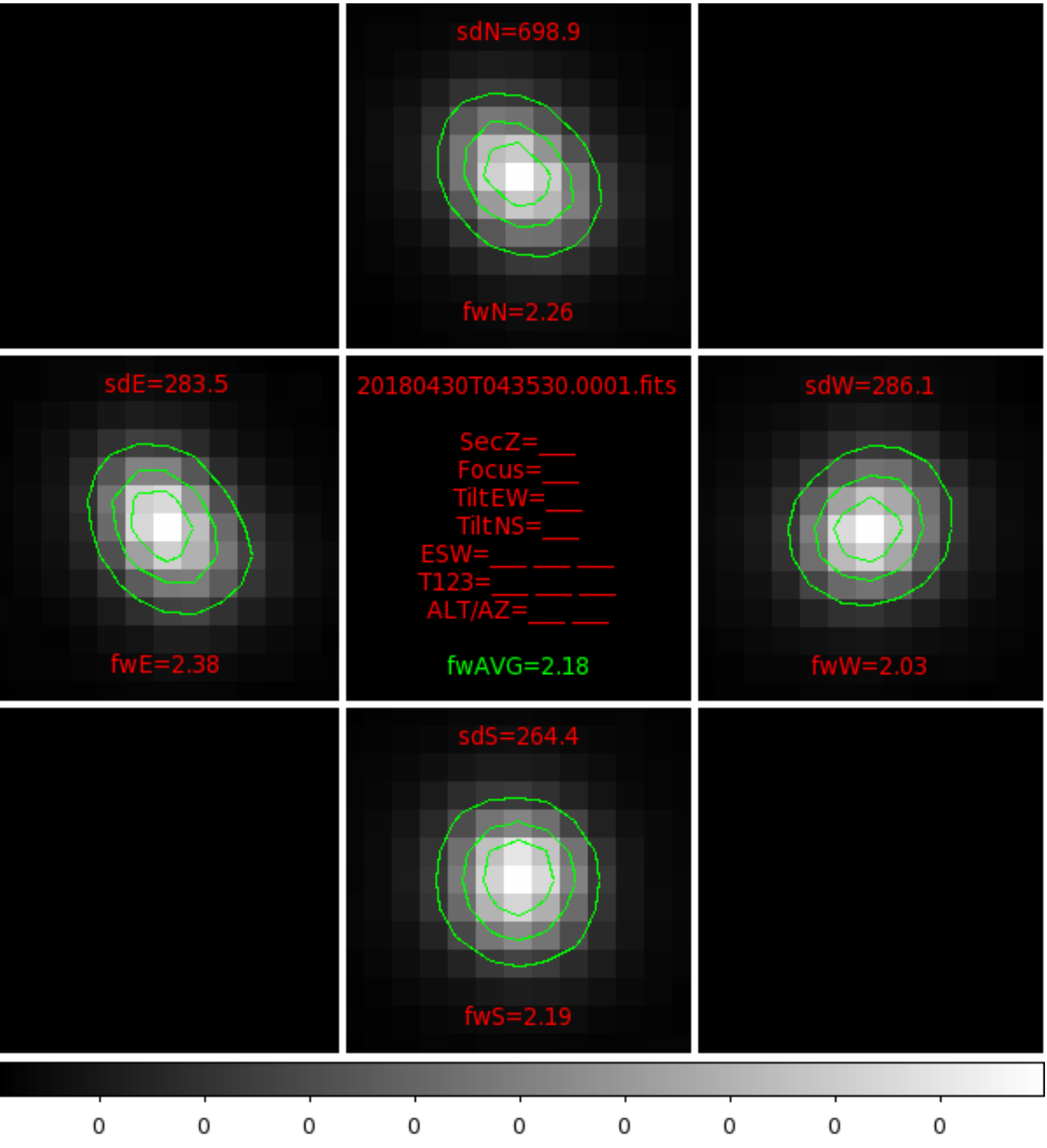
sdN=698.9
fwN=2.26
sdE=283.5
fwE=2.38
20180430T043530.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.18
sdW=286.1
fwW=2.03
sdS=264.4
fwS=2.19
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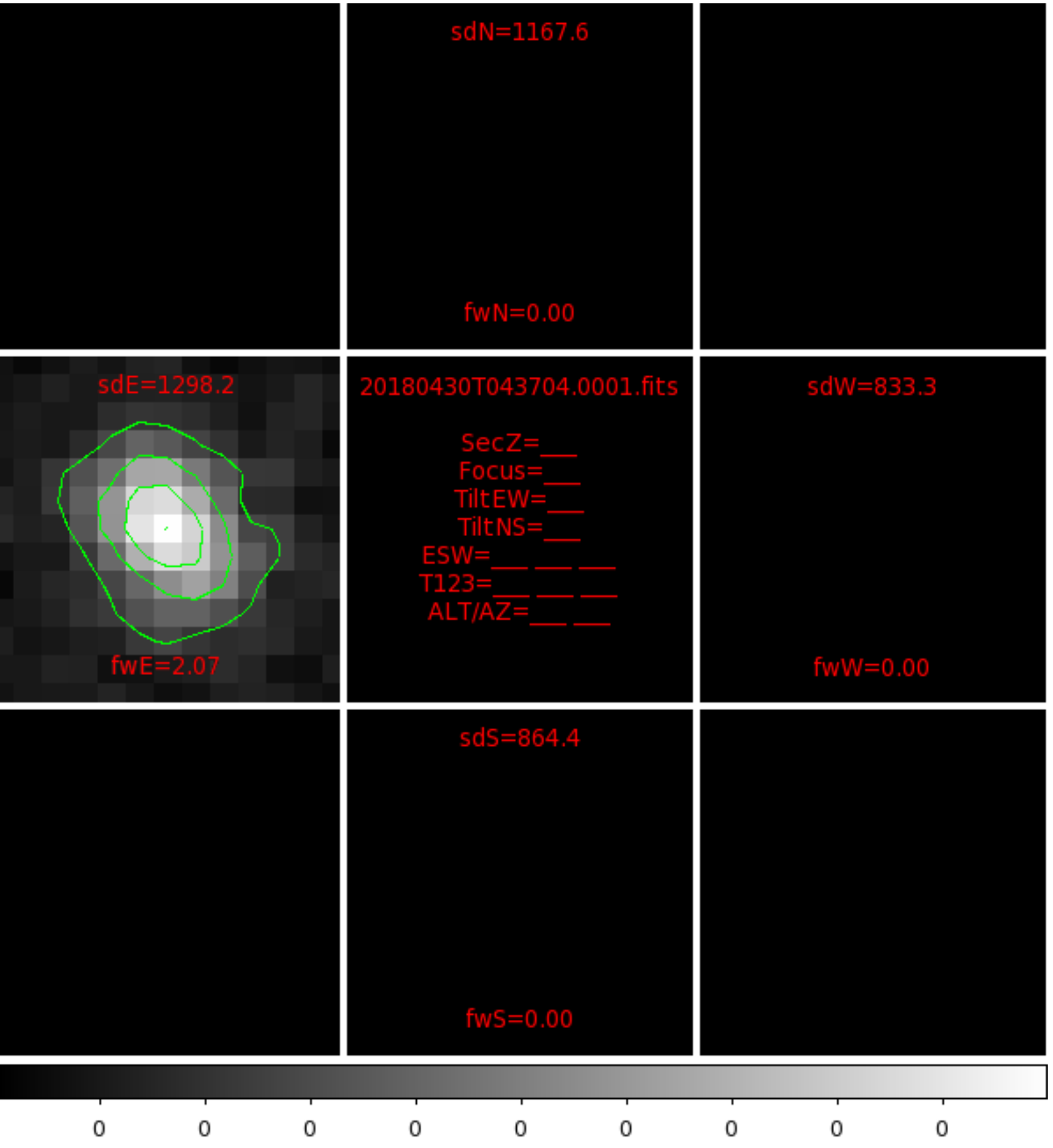
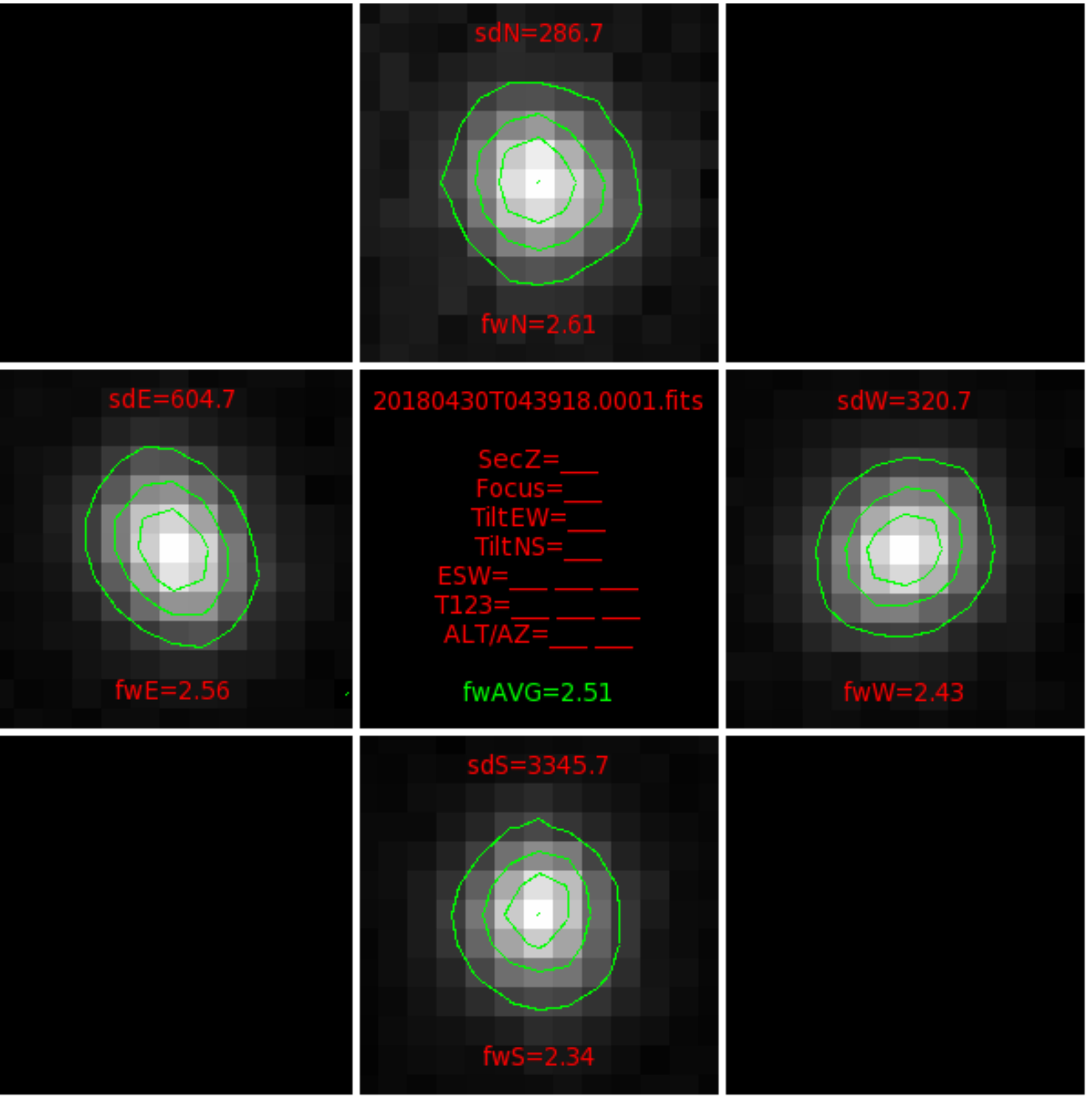

sdN=1167.6
fwN=0.00
sdE=1298.2
fwE=2.07
20180430T043704.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=833.3
fwW=0.00
sdS=864.4
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=286.7
fwN=2.61
sdE=604.7
fwE=2.56
20180430T043918.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.51
sdW=320.7
fwW=2.43
sdS=3345.7
fwS=2.34
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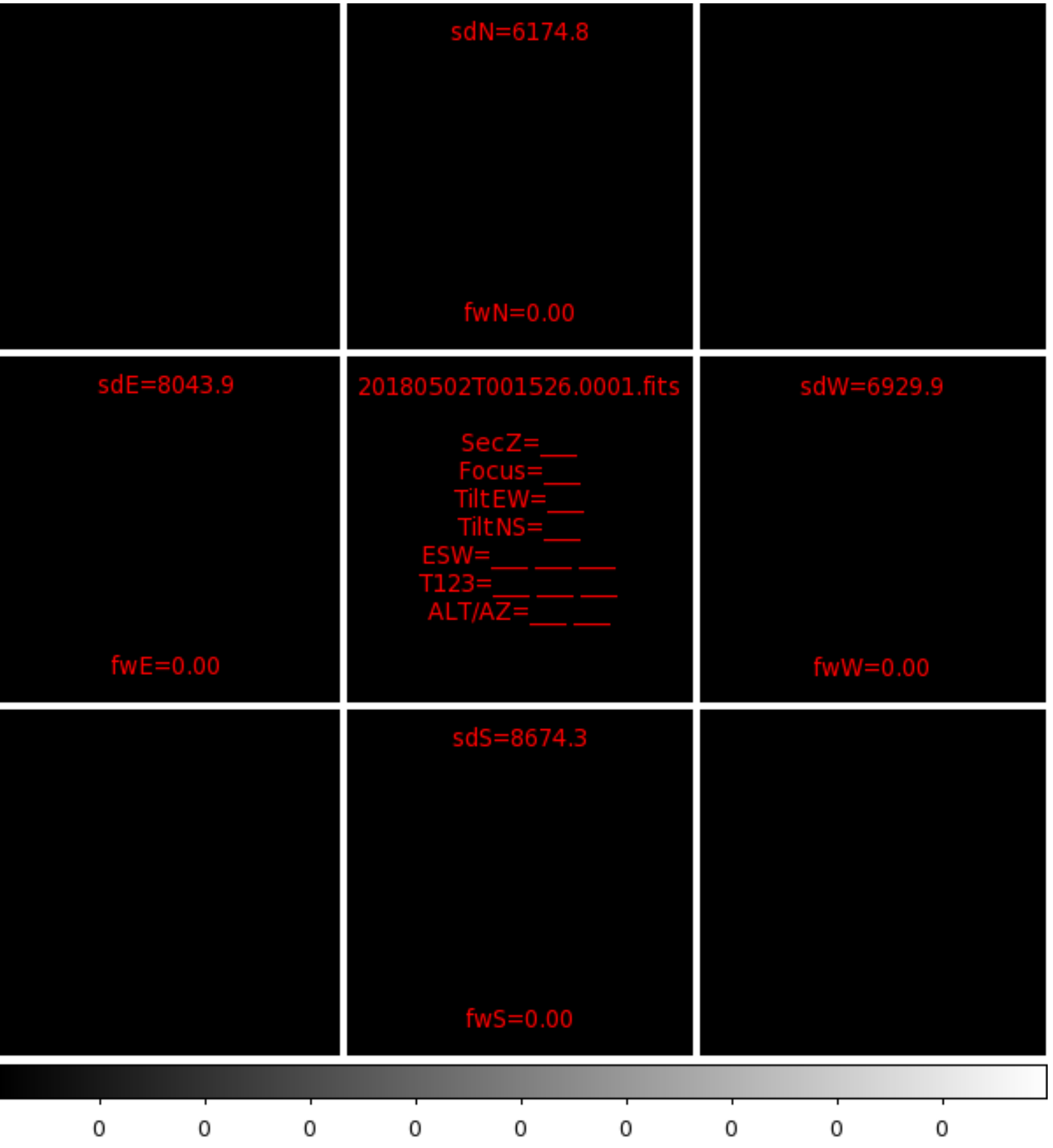
sdN=6174.8
fwN=0.00
sdE=8043.9
fwE=0.00
20180502T001526.0001.fits
SecZ=___
Focus=___
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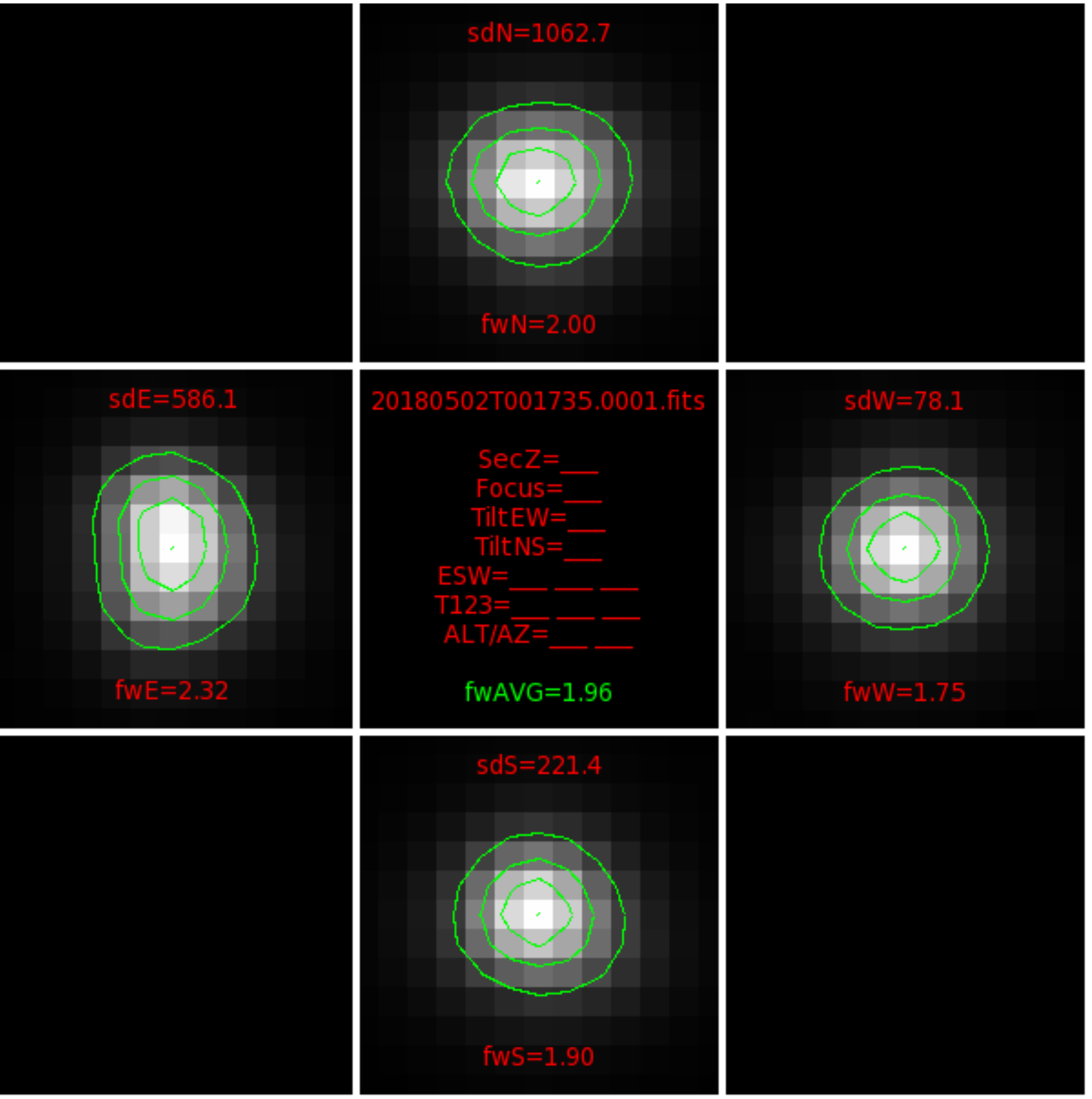
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=6929.9
fwW=0.00
sdS=8674.3
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=1062.7
fwN=2.00
sdE=586.1
fwE=2.32
20180502T001735.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.96
sdW=78.1
fwW=1.75
sdS=221.4
fwS=1.90
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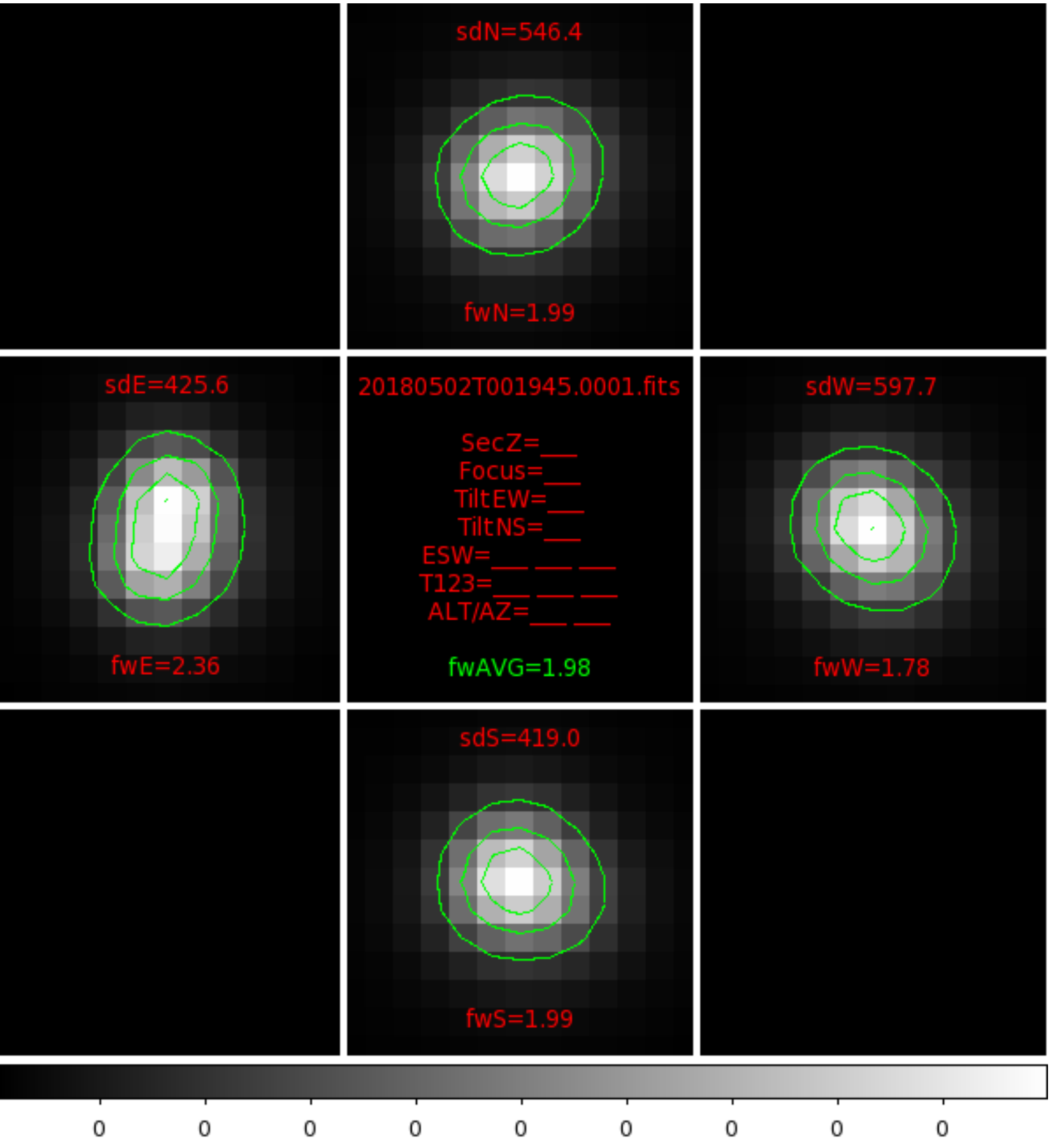
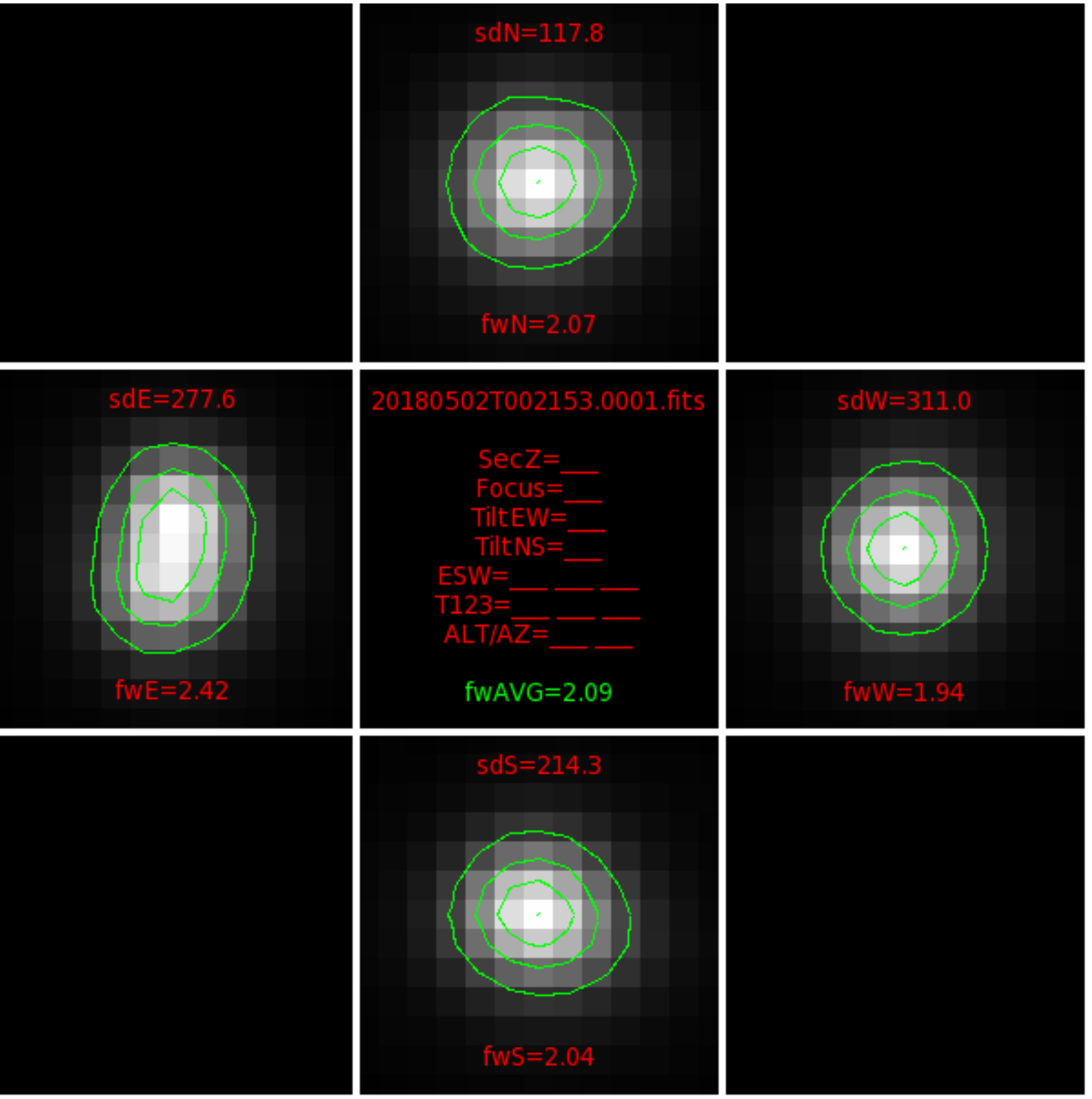

sdN=546.4
fwN=1.99
sdE=425.6
fwE=2.36
20180502T001945.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.98
sdW=597.7
fwW=1.78
sdS=419.0
fwS=1.99
0 0 0 0 0 0 0 0 0


sdN=117.8
fwN=2.07
sdE=277.6
fwE=2.42
20180502T002153.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.09
sdW=311.0
fwW=1.94
sdS=214.3
fwS=2.04
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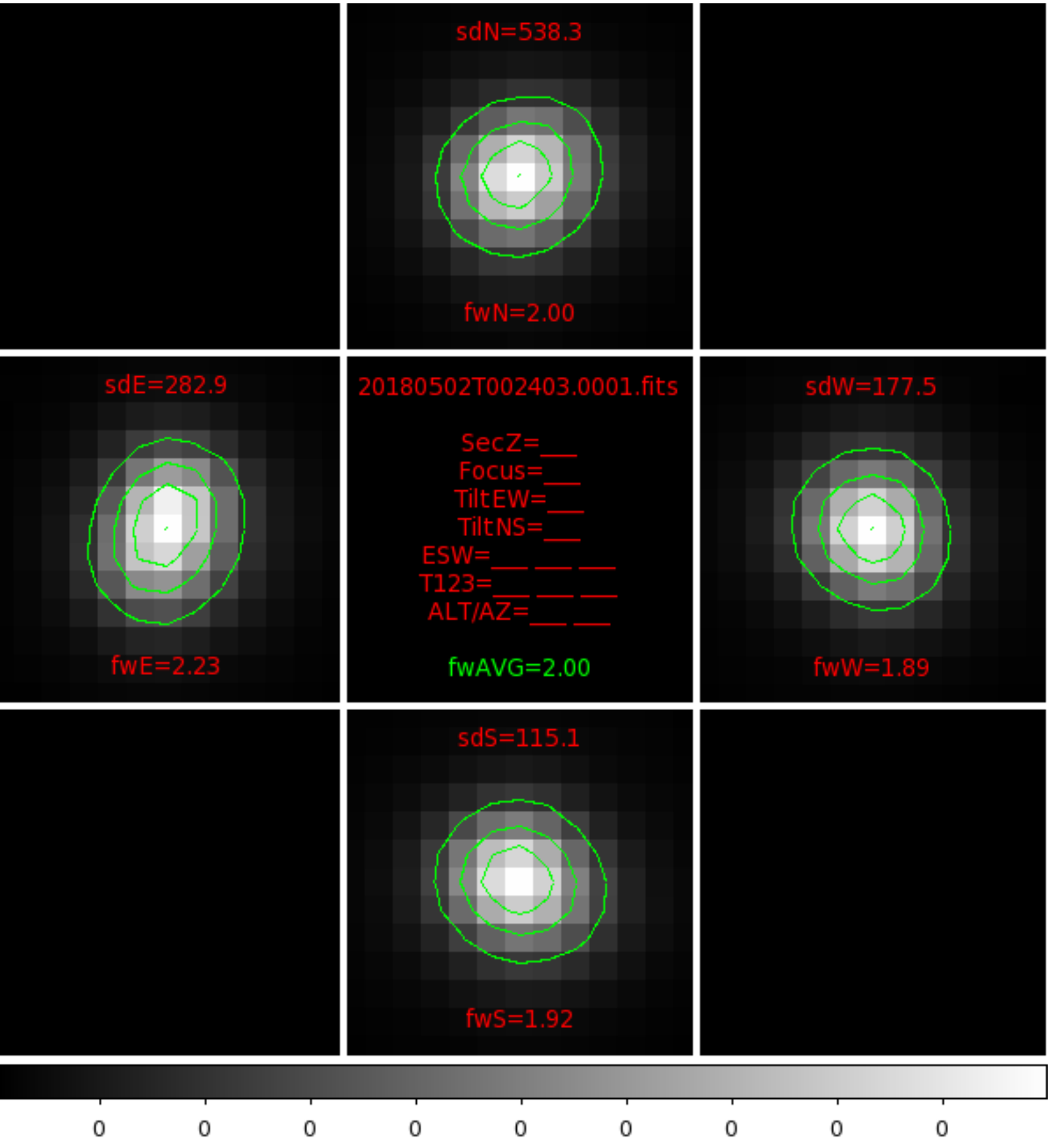
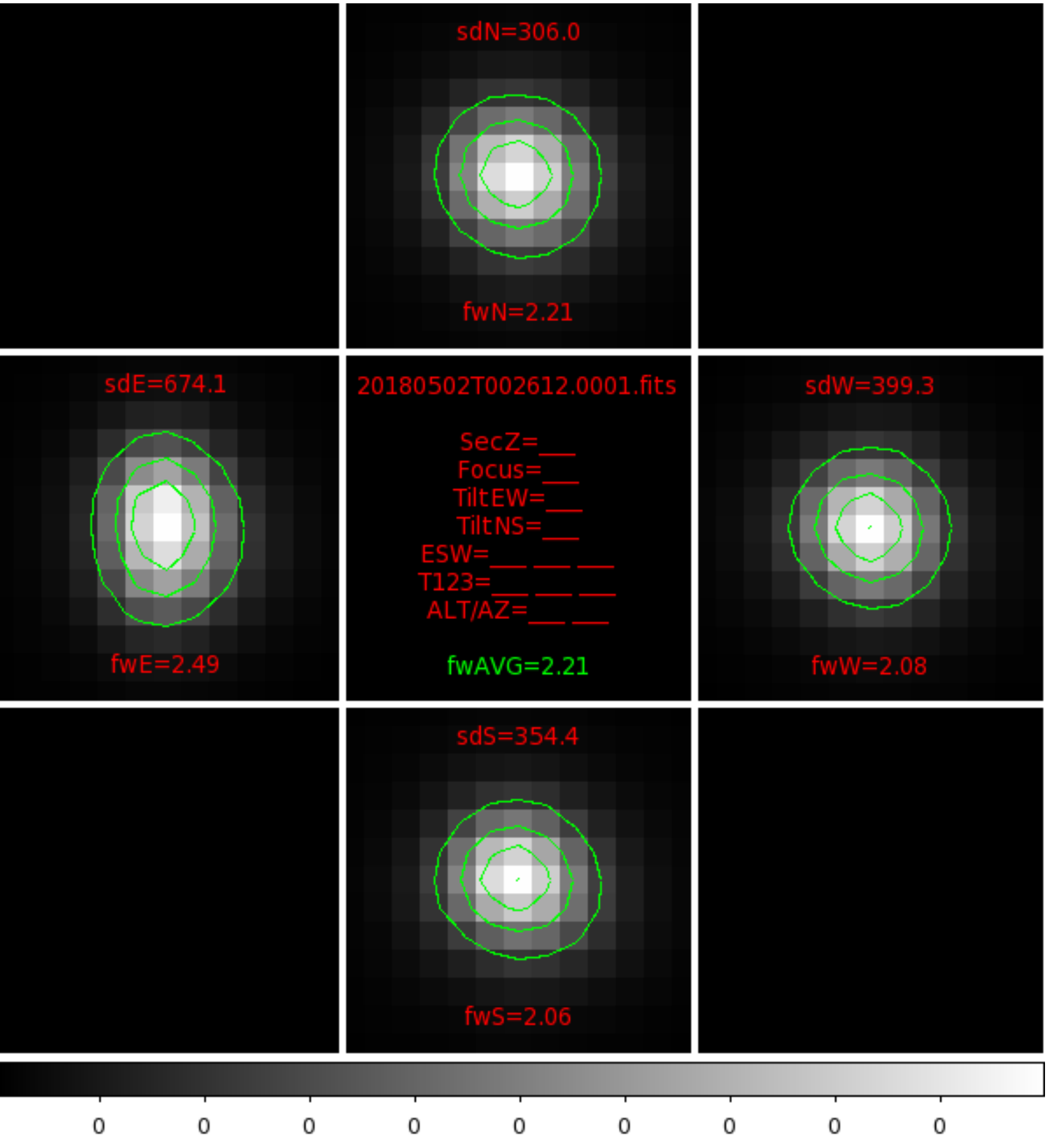

sdN=538.3
fwN=2.00
sdE=282.9
fwE=2.23
20180502T002403.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.00
sdW=177.5
fwW=1.89
sdS=115.1
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=306.0
fwN=2.21
sdE=674.1
fwE=2.49
20180502T002612.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.21
sdW=399.3
fwW=2.08
sdS=354.4
fwS=2.06
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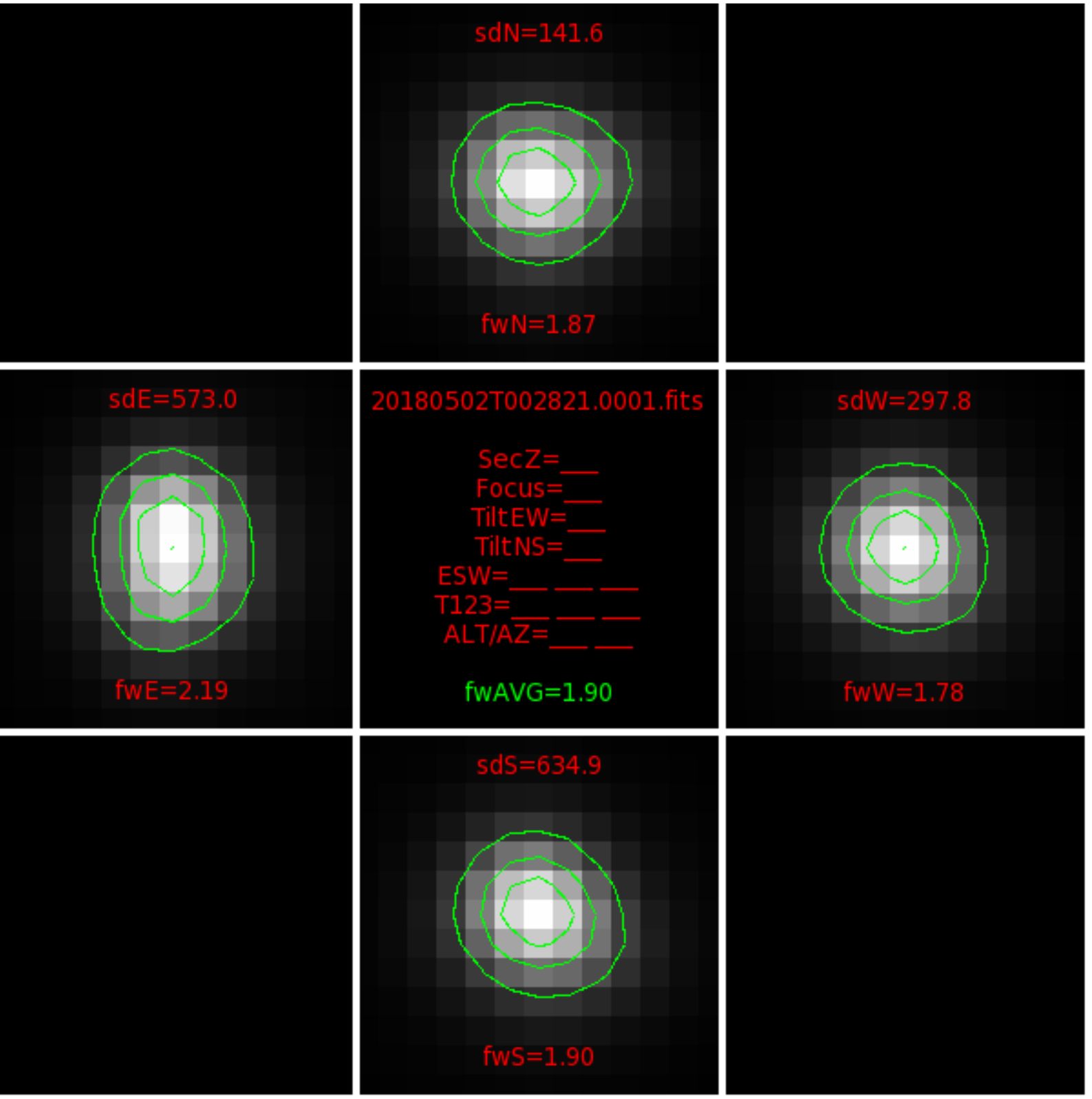
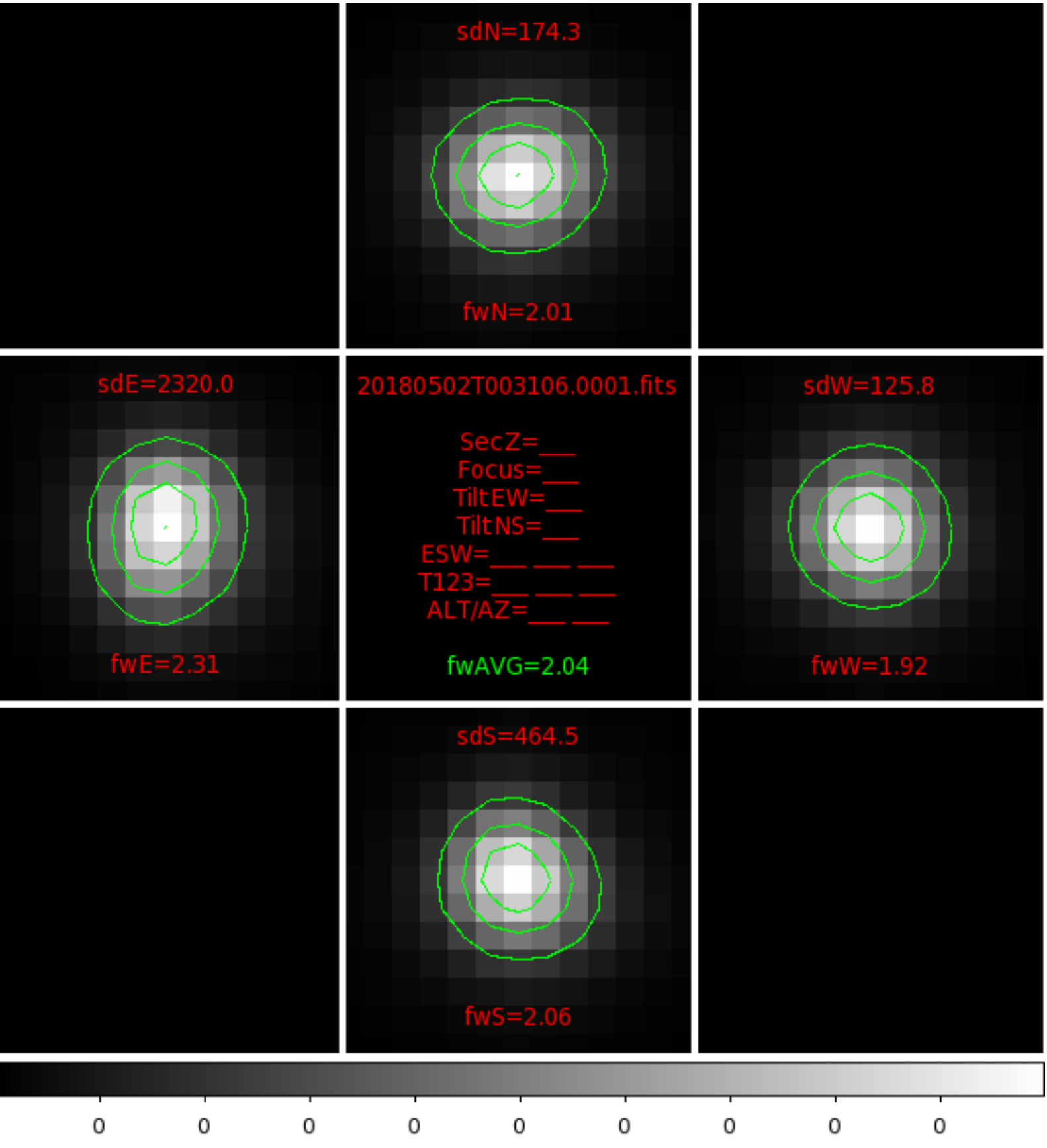
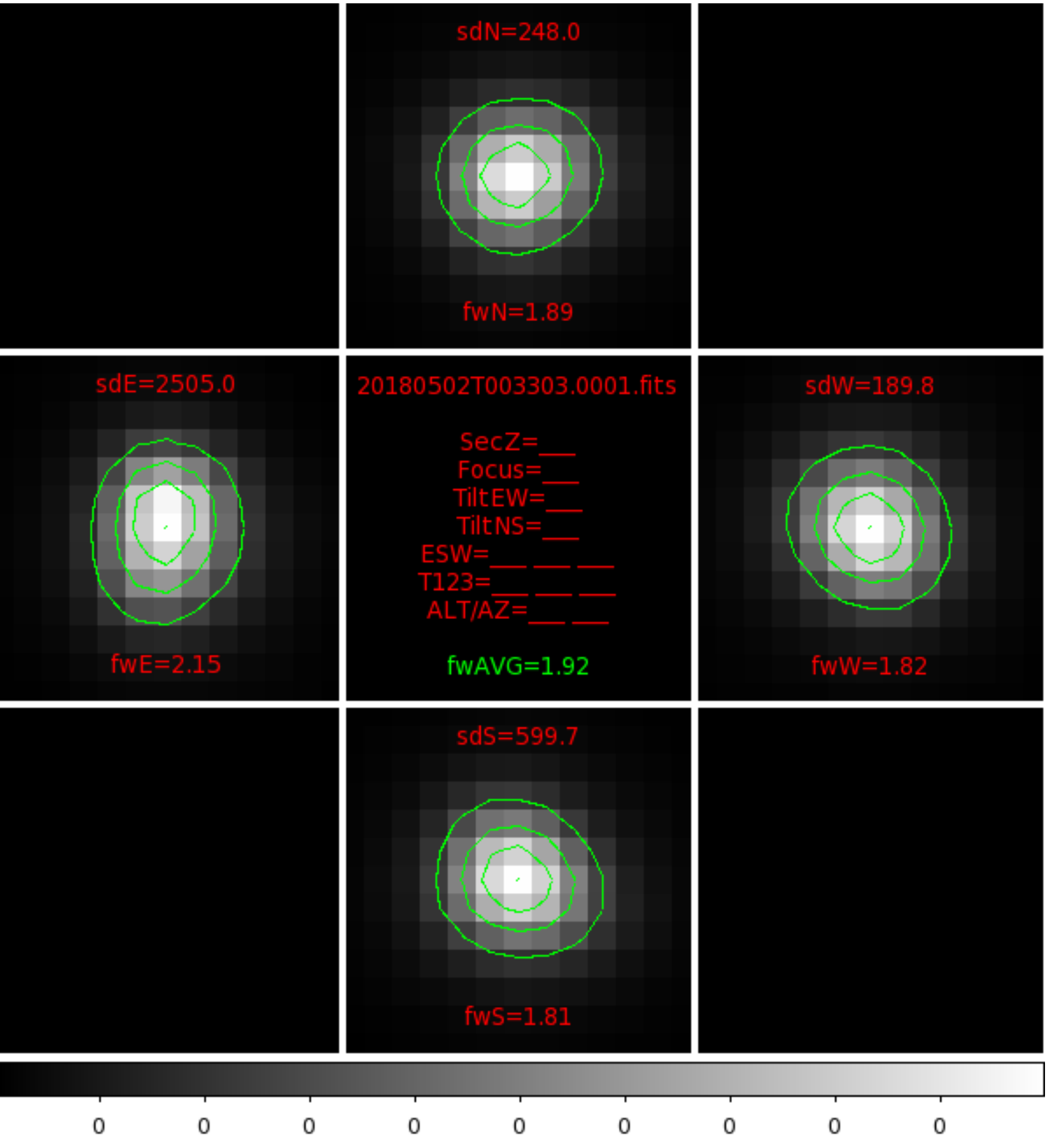

sdN=141.6
fwN=1.87
sdE=573.0
fwE=2.19
20180502T002821.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.90
sdW=297.8
fwW=1.78
sdS=634.9
fwS=1.90
0 0 0 0 0 0 0 0 0


sdN=174.3
fwN=2.01
sdE=2320.0
fwE=2.31
20180502T003106.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.04
sdW=125.8
fwW=1.92
sdS=464.5
fwS=2.06
0 0 0 0 0 0 0 0 0


sdN=248.0
fwN=1.89
sdE=2505.0
fwE=2.15
20180502T003303.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.92
sdW=189.8
fwW=1.82
sdS=599.7
fwS=1.81
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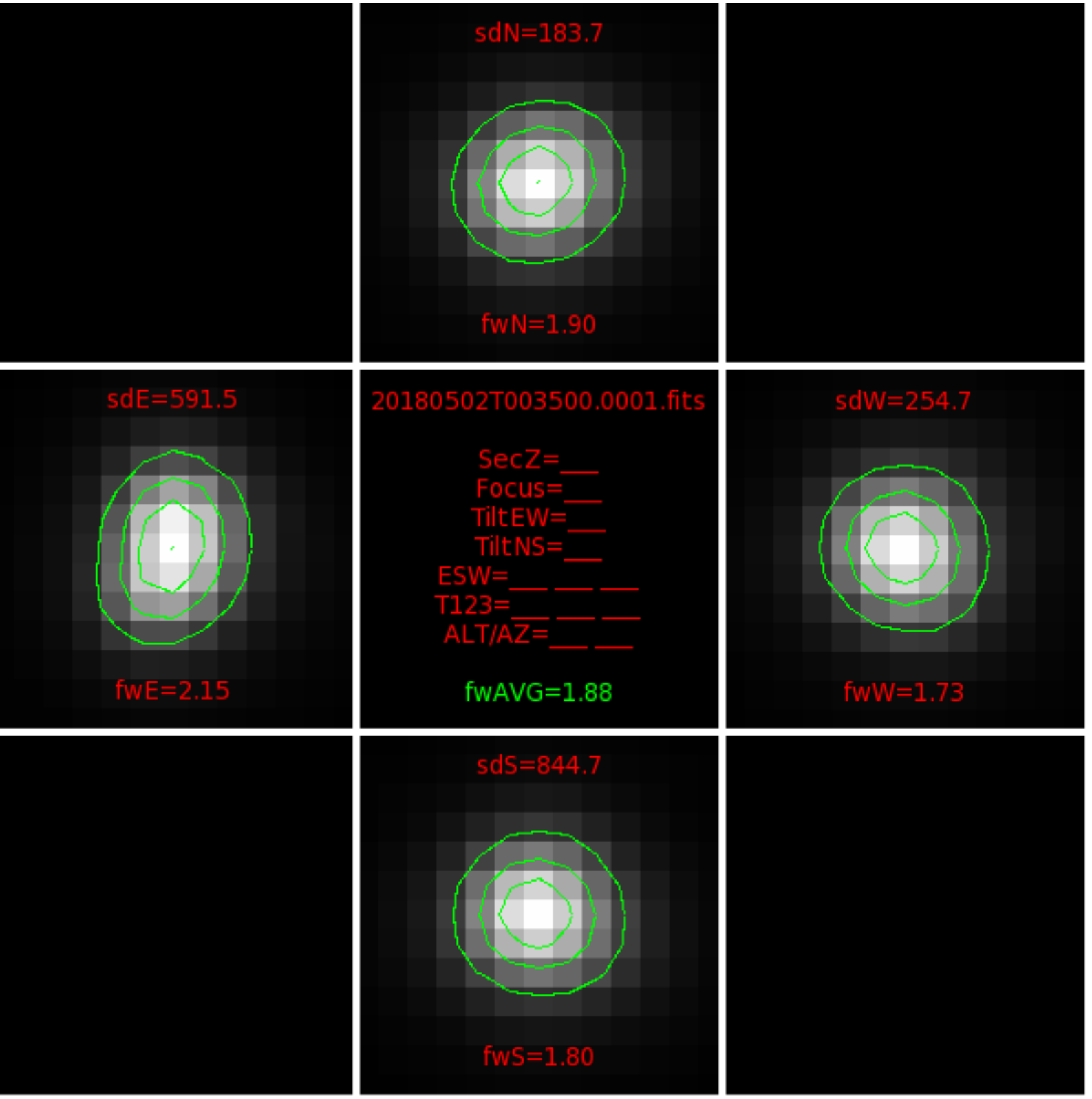
sdN=183.7
fwN=1.90
sdE=591.5
fwE=2.15
20180502T003500.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.88
sdW=254.7
fwW=1.73
sdS=844.7
fwS=1.80
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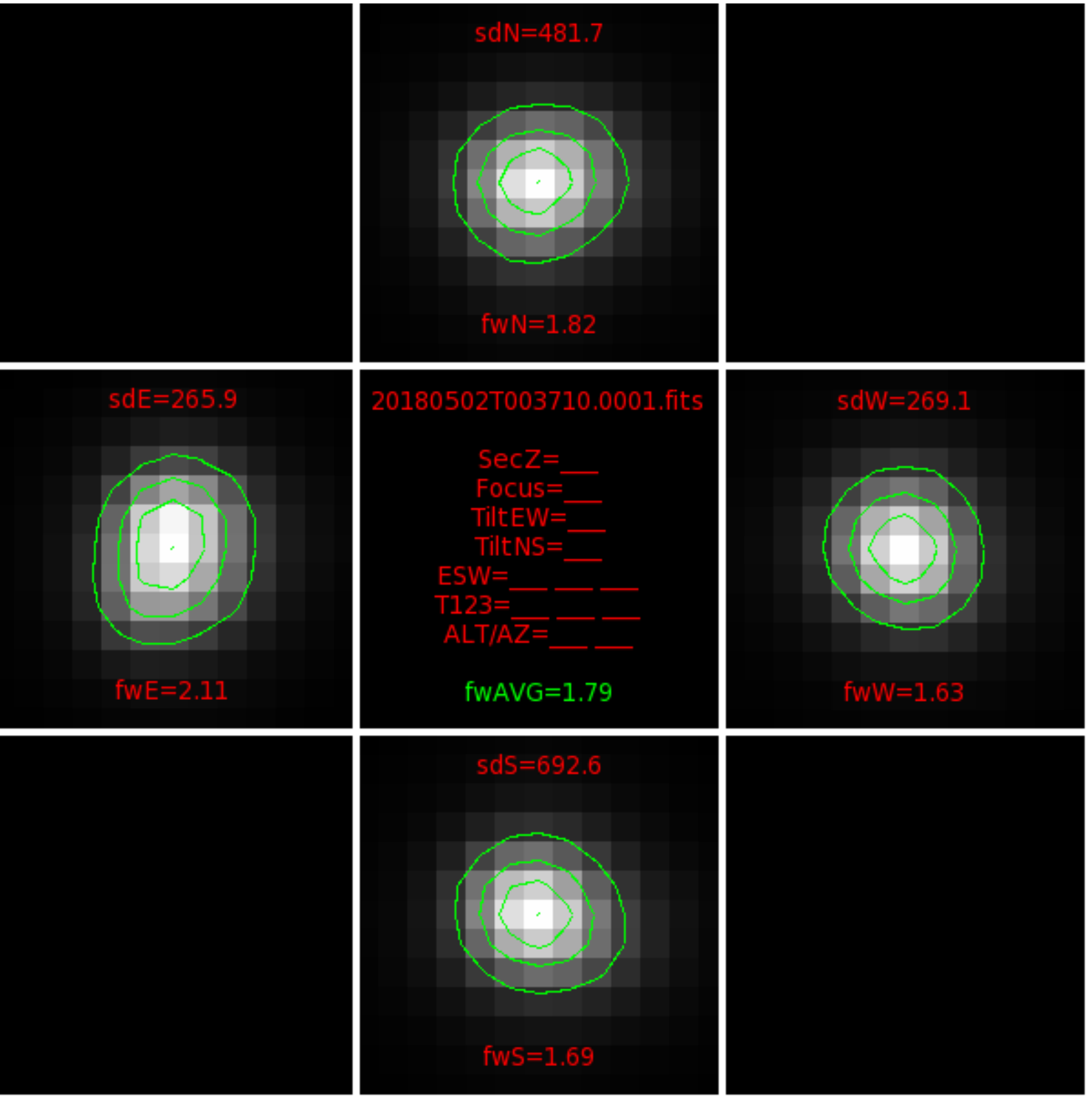
sdN=481.7
fwN=1.82
sdE=265.9
fwE=2.11
20180502T003710.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.79
sdW=269.1
fwW=1.63
sdS=692.6
fwS=1.69
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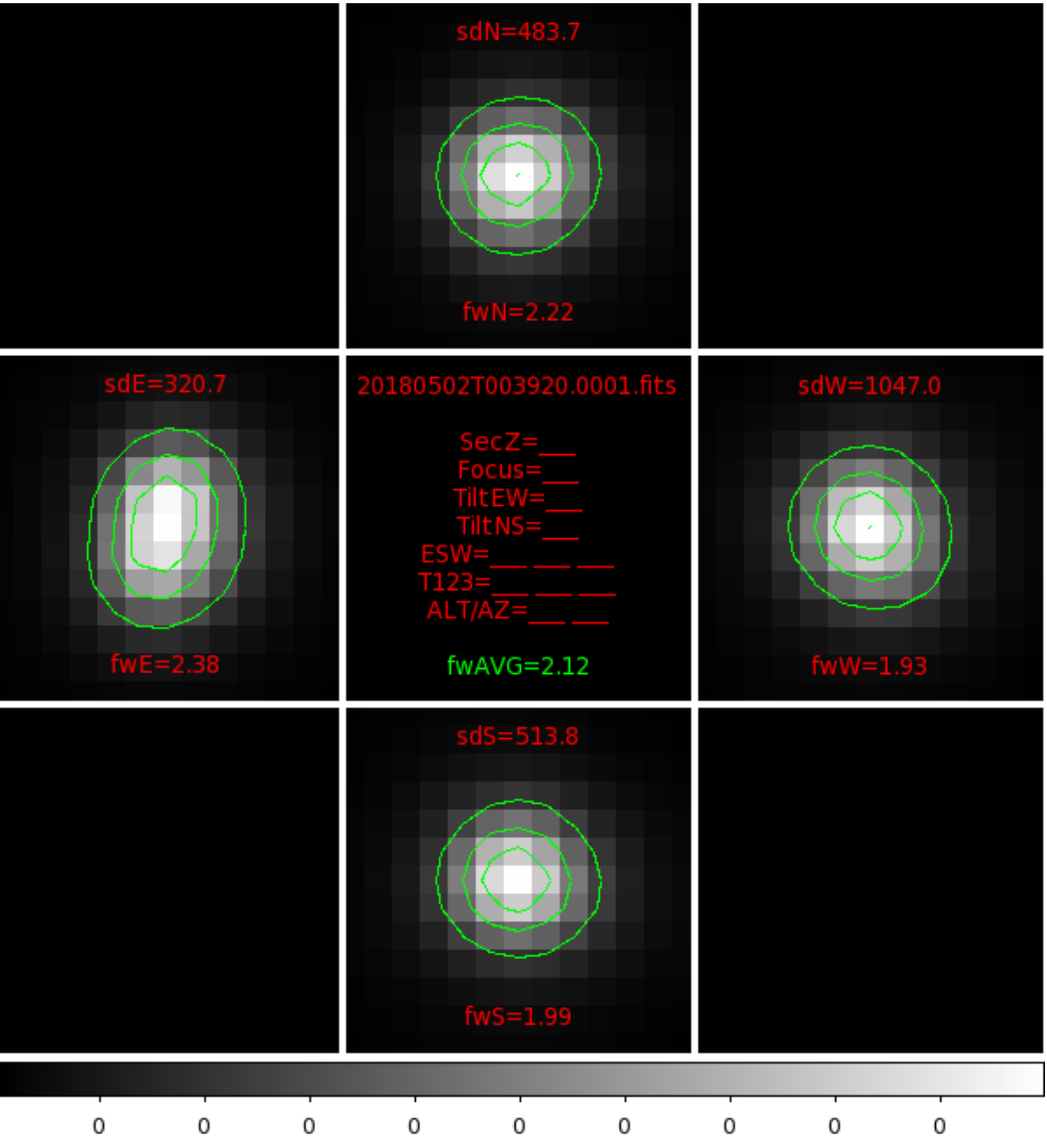
sdN=483.7
fwN=2.22
sdE=320.7
fwE=2.38
20180502T003920.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.12
sdW=1047.0
fwW=1.93
sdS=513.8
fwS=1.99
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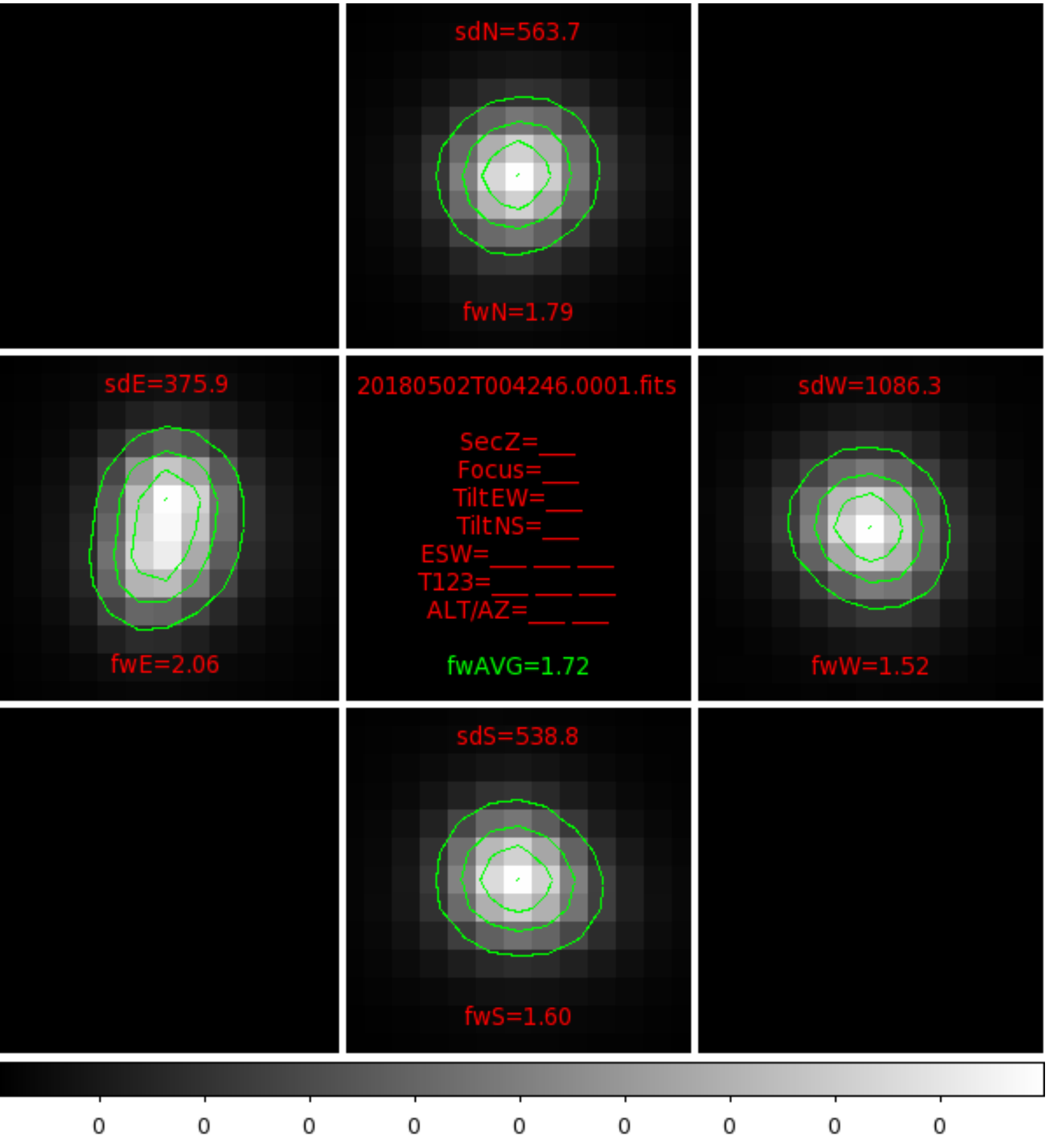
sdN=563.7
fwN=1.79
sdE=375.9
fwE=2.06
20180502T004246.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.72
sdW=1086.3
fwW=1.52
sdS=538.8
fwS=1.60
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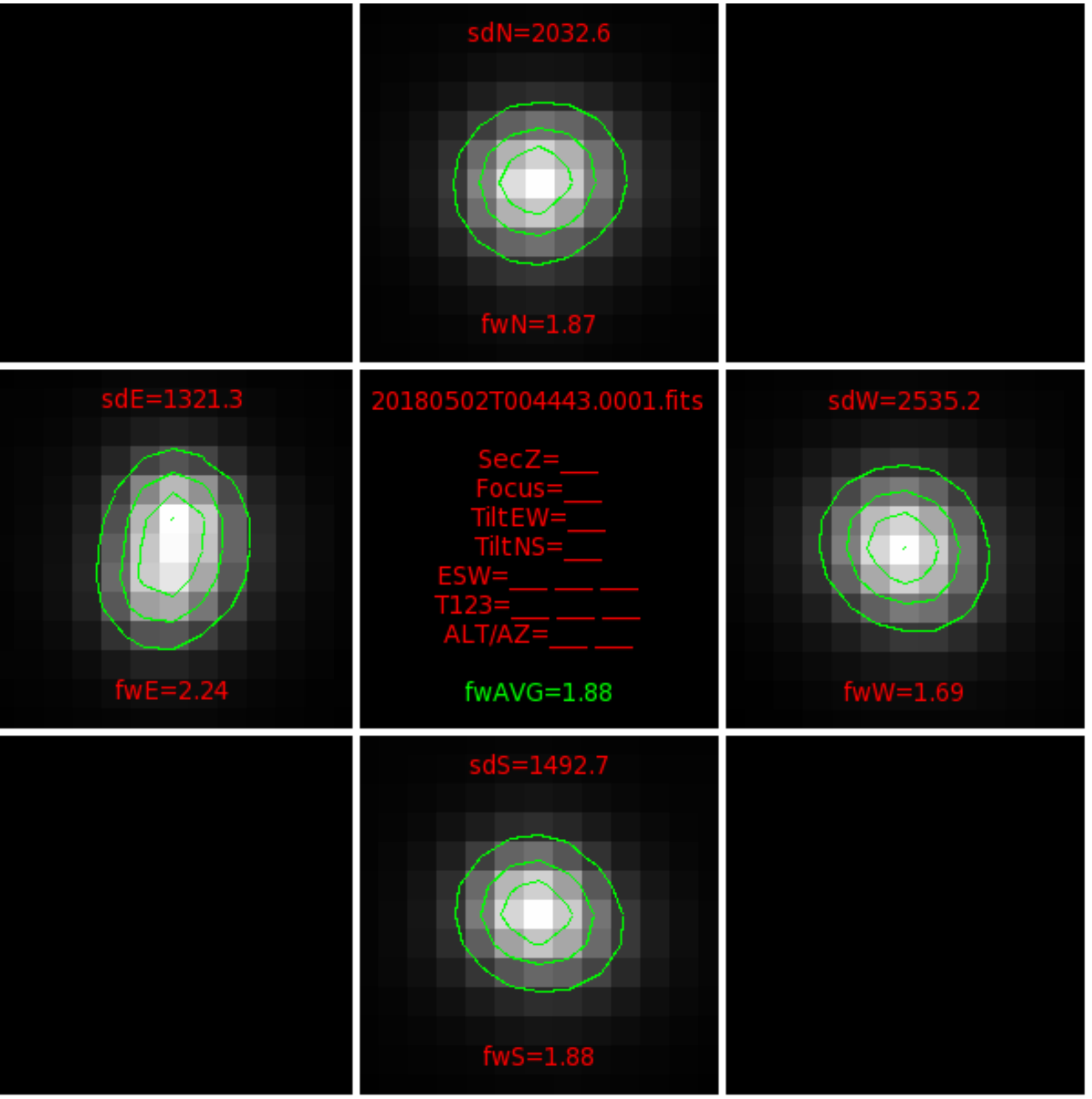
sdN=2032.6
fwN=1.87
sdE=1321.3
fwE=2.24
20180502T004443.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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sdW=2535.2
fwW=1.69
sdS=1492.7
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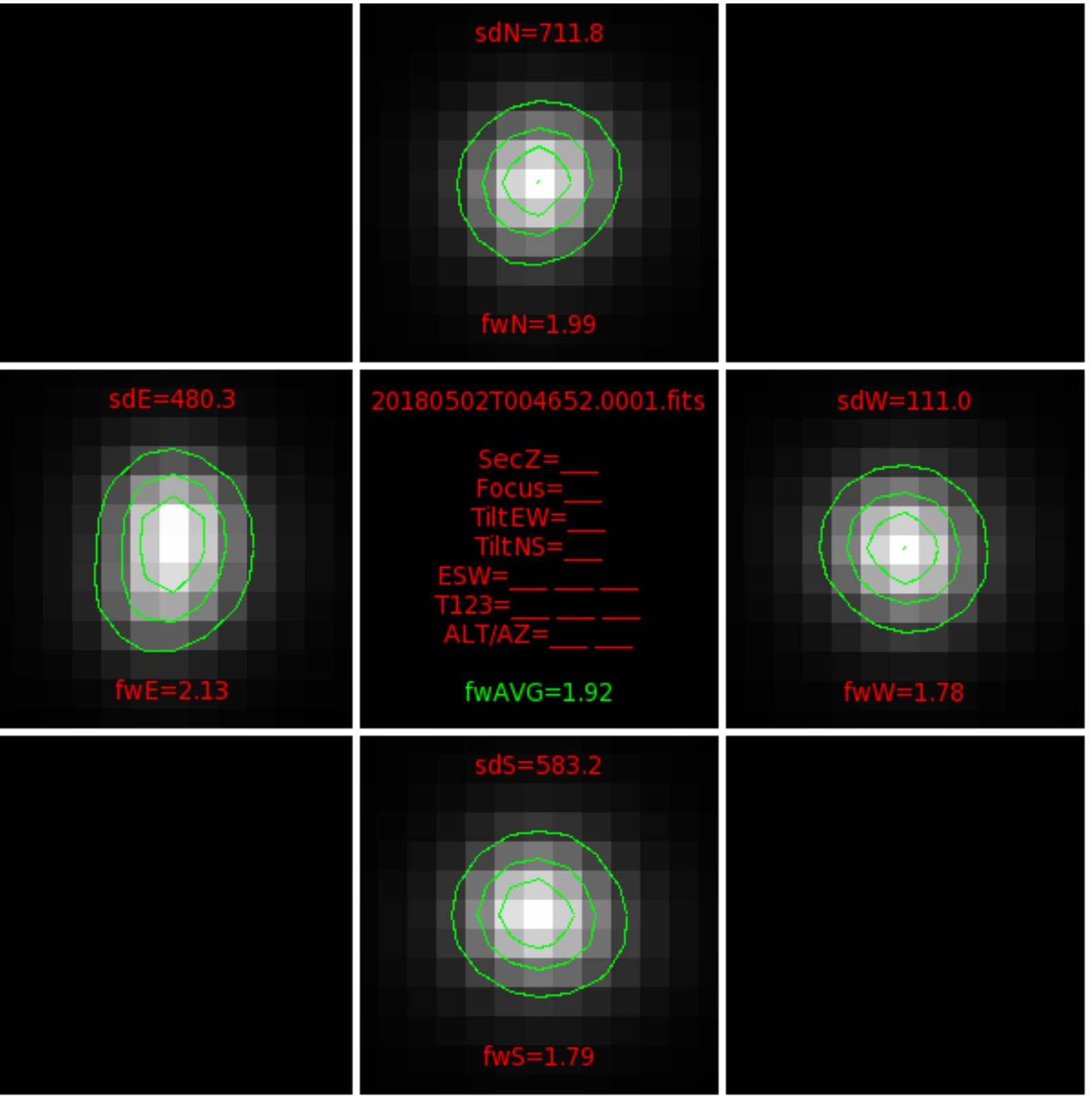
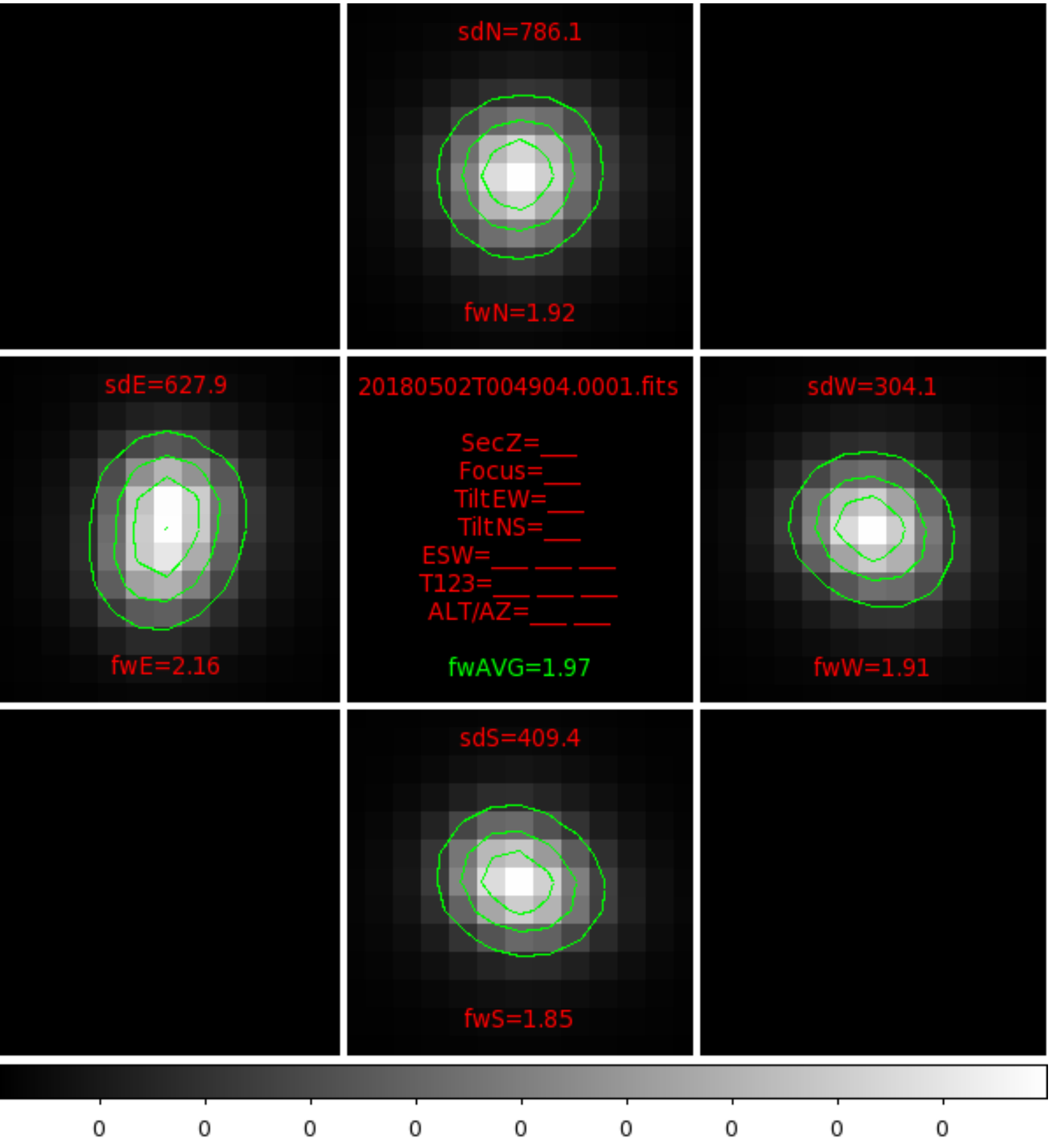

sdN=711.8
fwN=1.99
sdE=480.3
fwE=2.13
20180502T004652.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.92
sdW=111.0
fwW=1.78
sdS=583.2
fwS=1.79
0 0 0 0 0 0 0 0 0


sdN=786.1
fwN=1.92
sdE=627.9
fwE=2.16
20180502T004904.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.97
sdW=304.1
fwW=1.91
sdS=409.4
fwS=1.85
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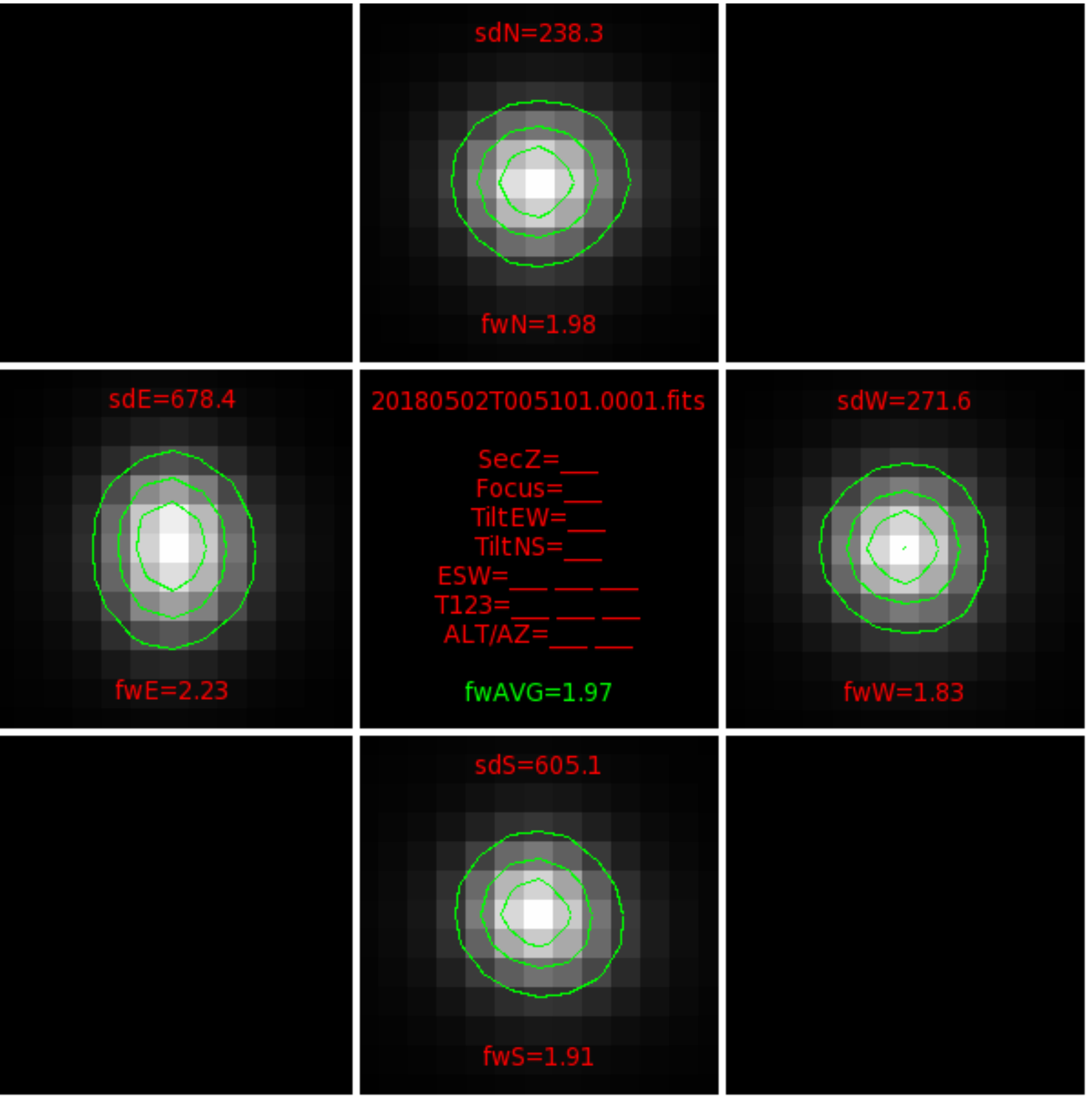
sdN=238.3
fwN=1.98
sdE=678.4
fwE=2.23
20180502T005101.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.97
sdW=271.6
fwW=1.83
sdS=605.1
fwS=1.91
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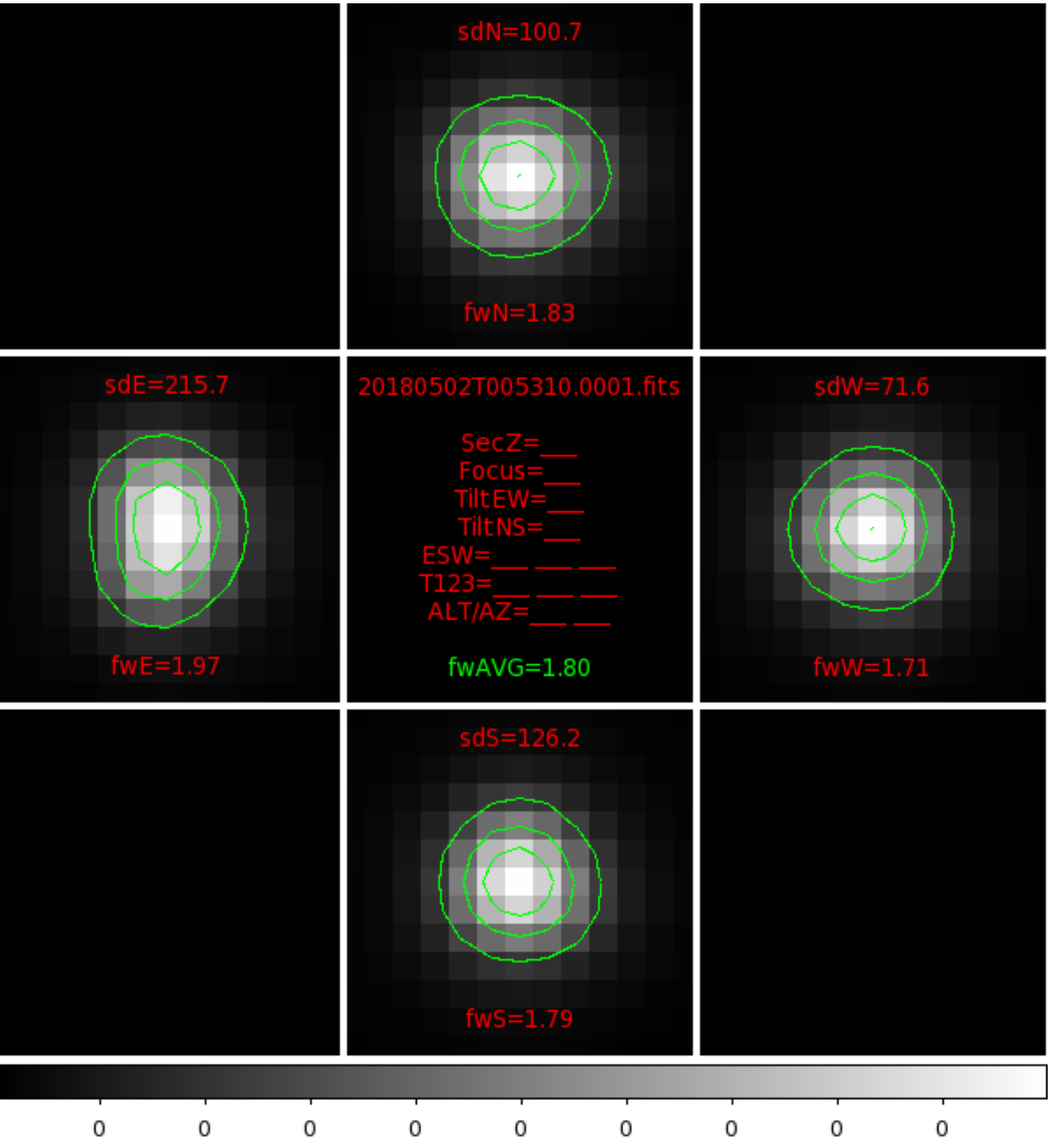
sdN=100.7
fwN=1.83
sdE=215.7
fwE=1.97
20180502T005310.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.80
sdW=71.6
fwW=1.71
sdS=126.2
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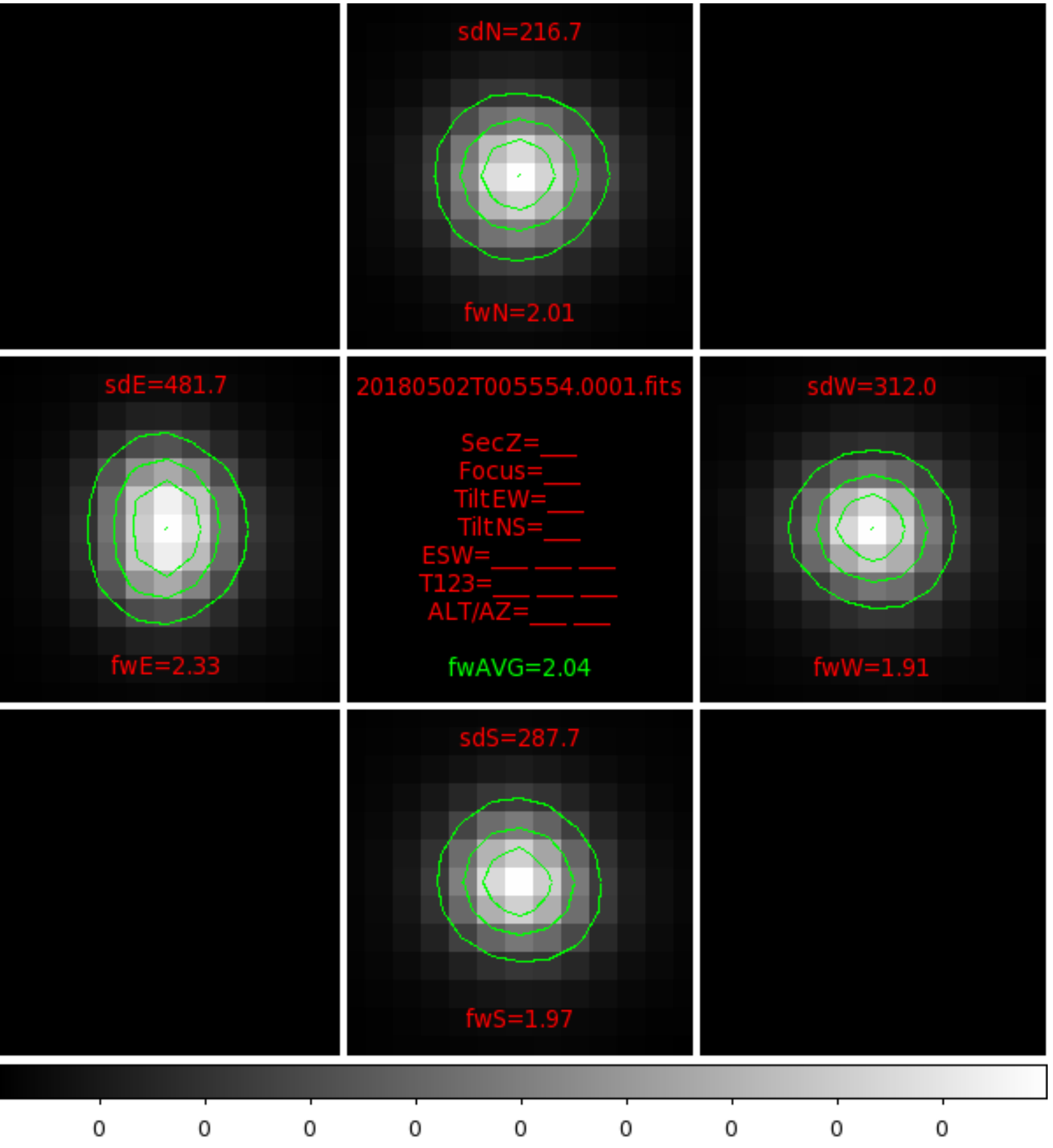
sdN=216.7
fwN=2.01
sdE=481.7
fwE=2.33
20180502T005554.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.04
sdW=312.0
fwW=1.91
sdS=287.7
fwS=1.97
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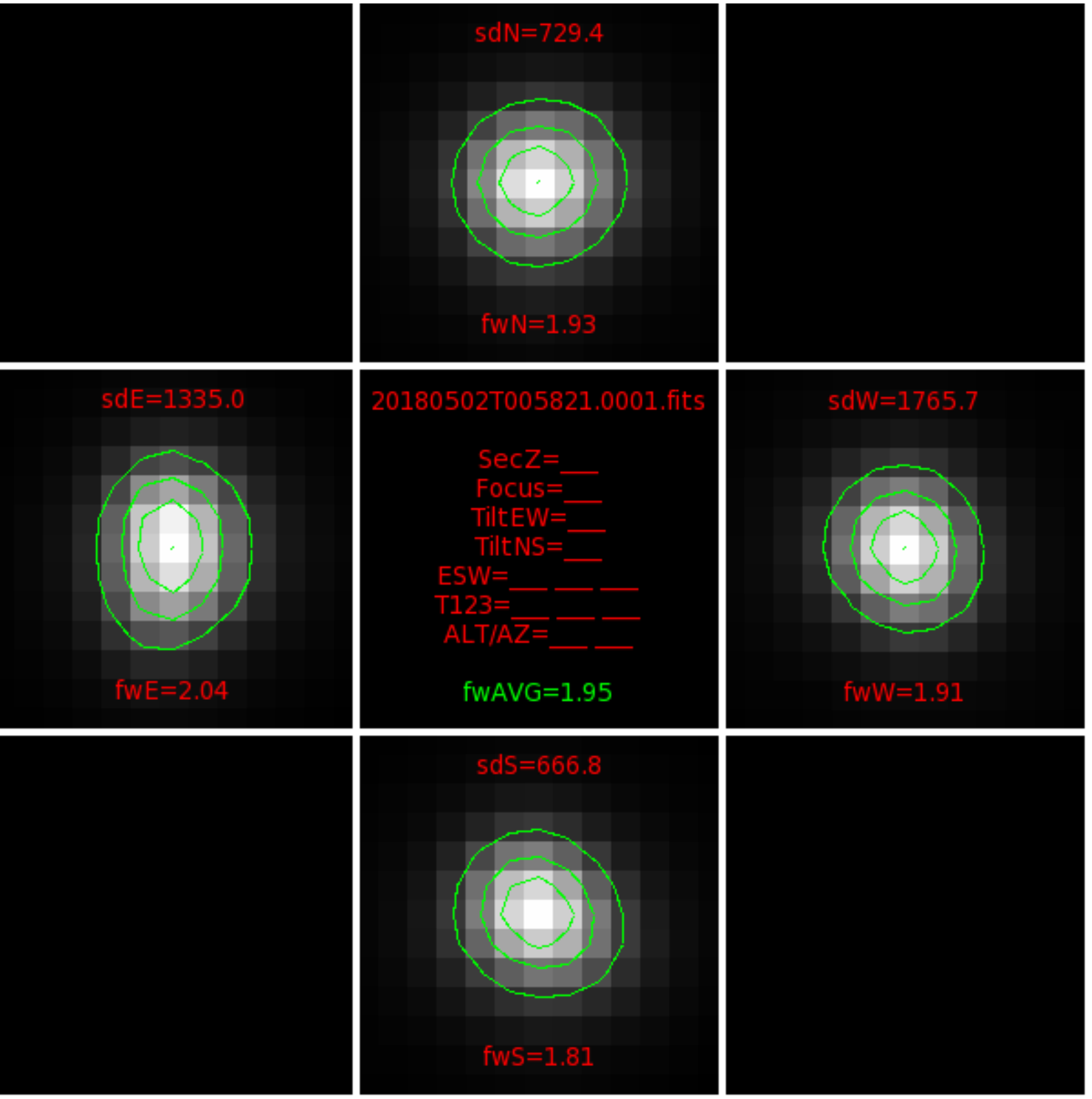
sdN=729.4
fwN=1.93
sdE=1335.0
fwE=2.04
20180502T005821.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.95
sdW=1765.7
fwW=1.91
sdS=666.8
fwS=1.81
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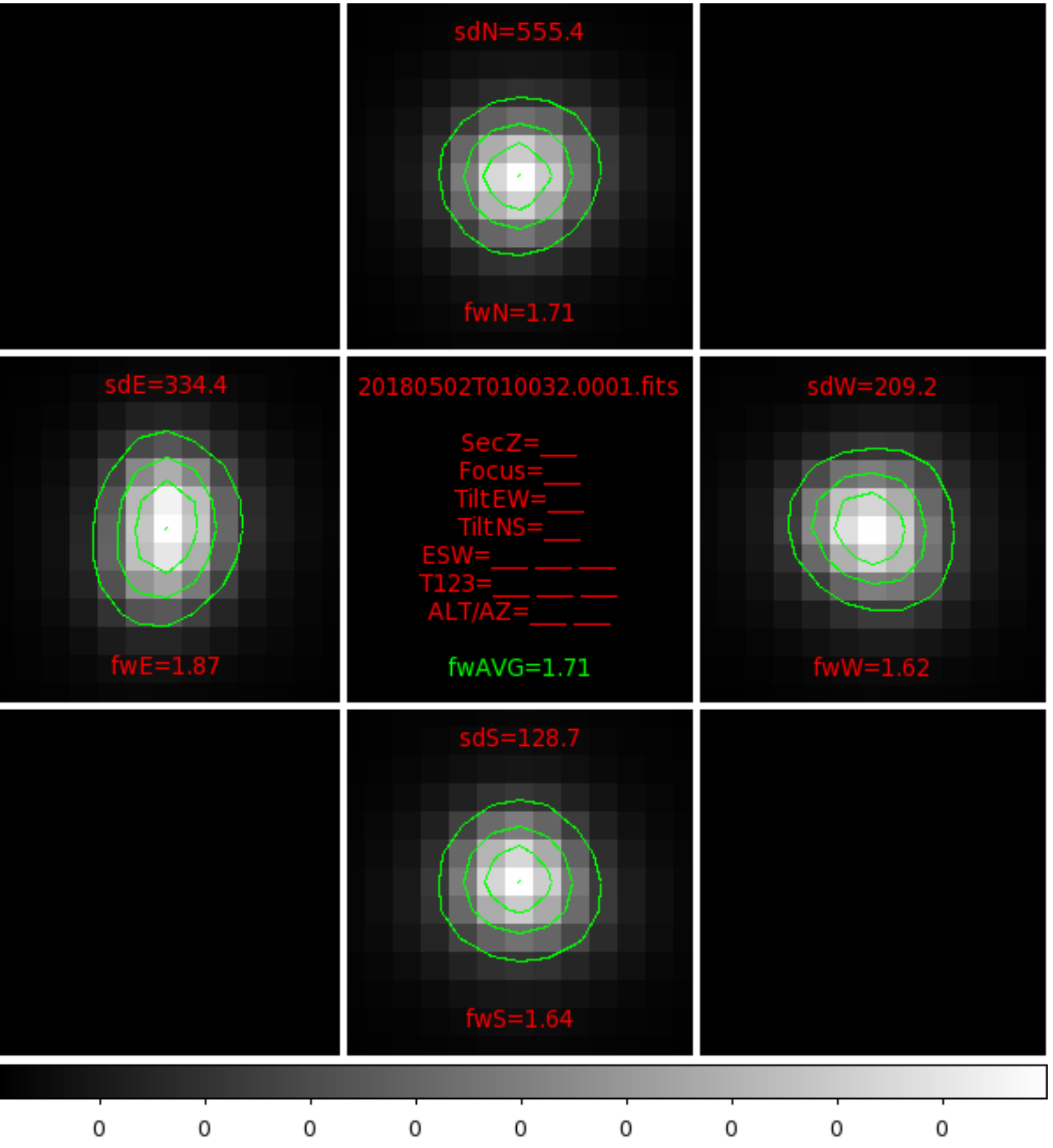
sdN=555.4
fwN=1.71
sdE=334.4
fwE=1.87
20180502T010032.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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sdW=209.2
fwW=1.62
sdS=128.7
fwS=1.64
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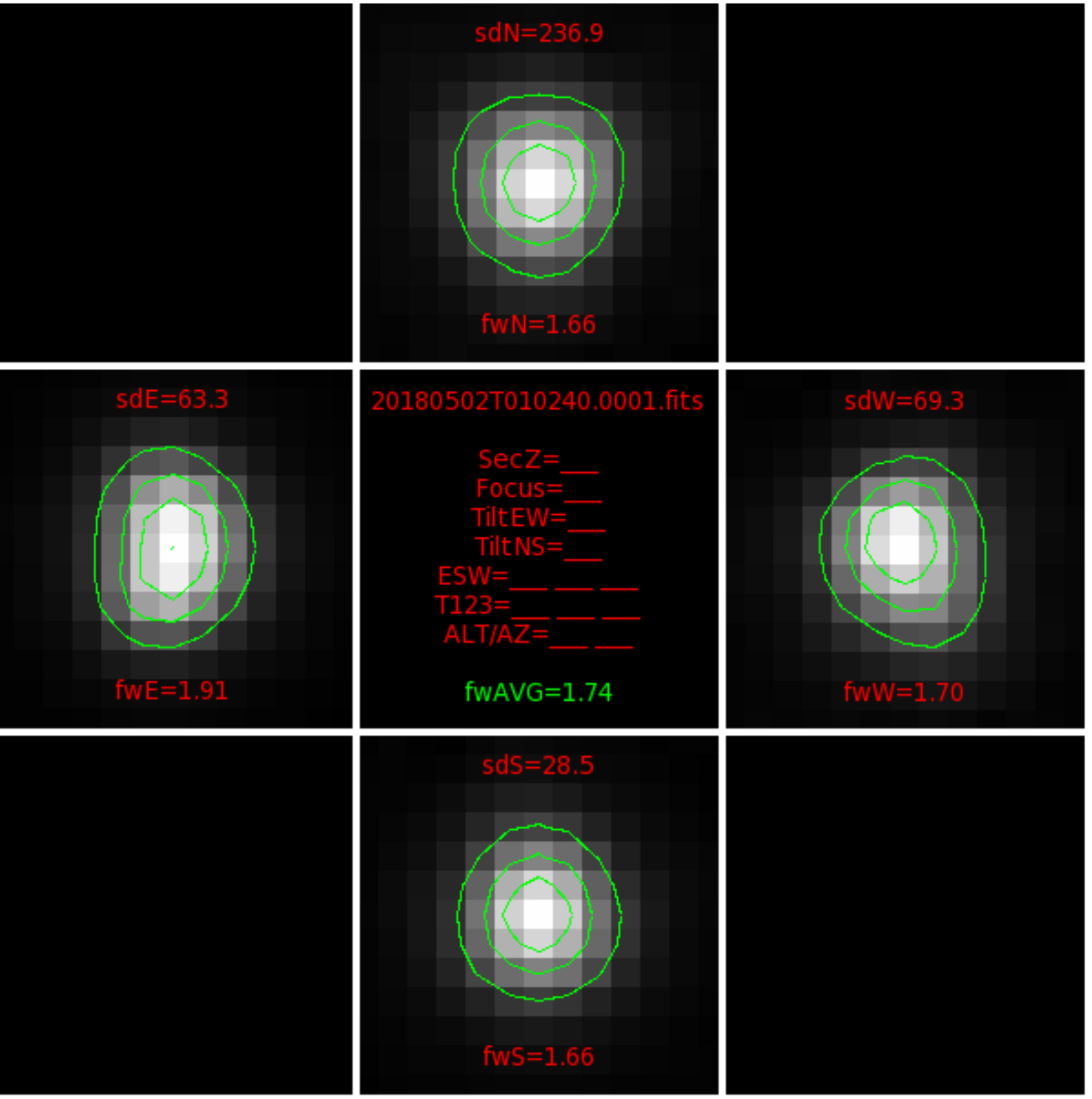
sdN=236.9
fwN=1.66
sdE=63.3
fwE=1.91
20180502T010240.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.74
sdW=69.3
fwW=1.70
sdS=28.5
fwS=1.66
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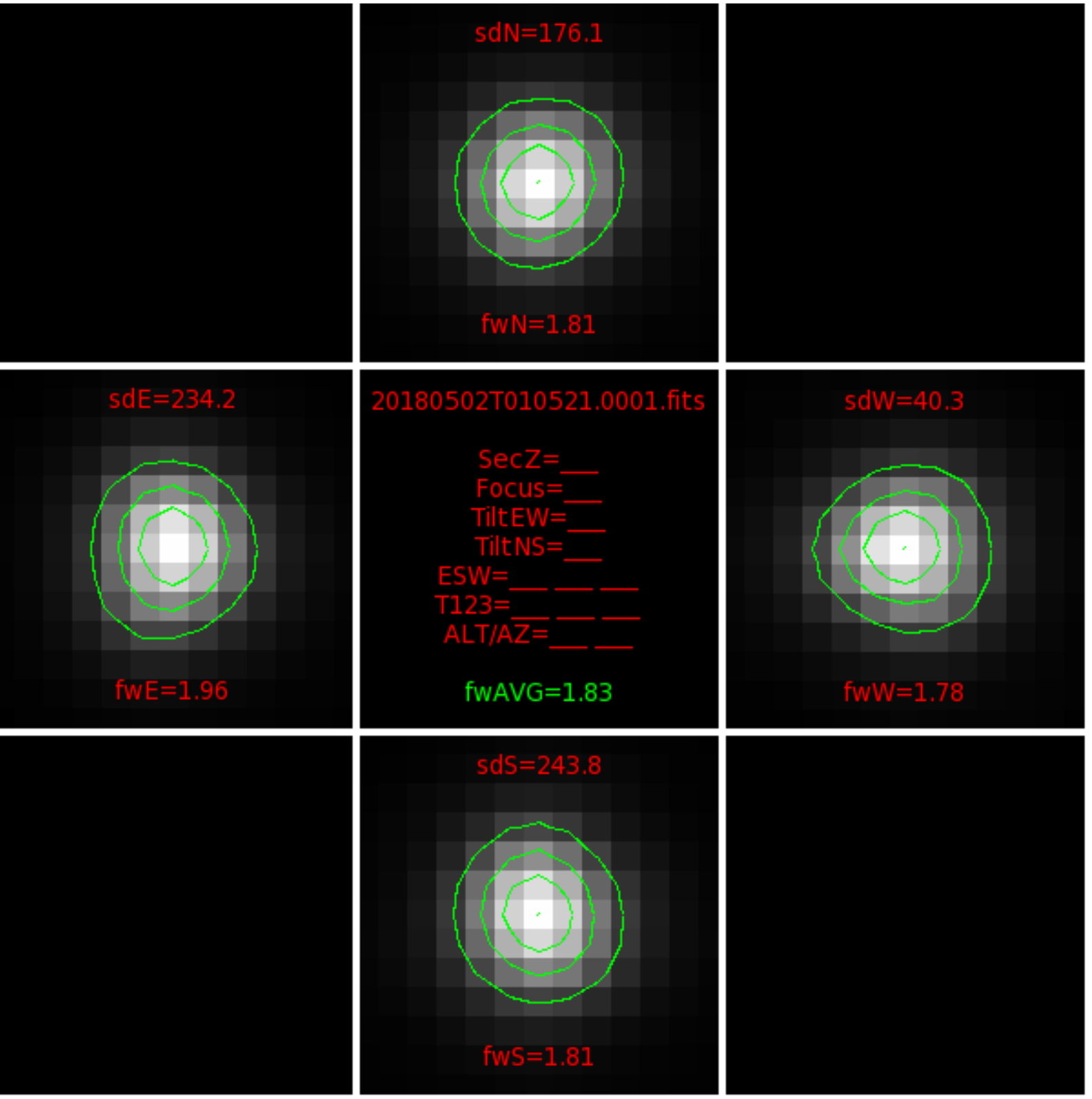
sdN=176.1
fwN=1.81
sdE=234.2
fwE=1.96
20180502T010521.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.83
sdW=40.3
fwW=1.78
sdS=243.8
fwS=1.81
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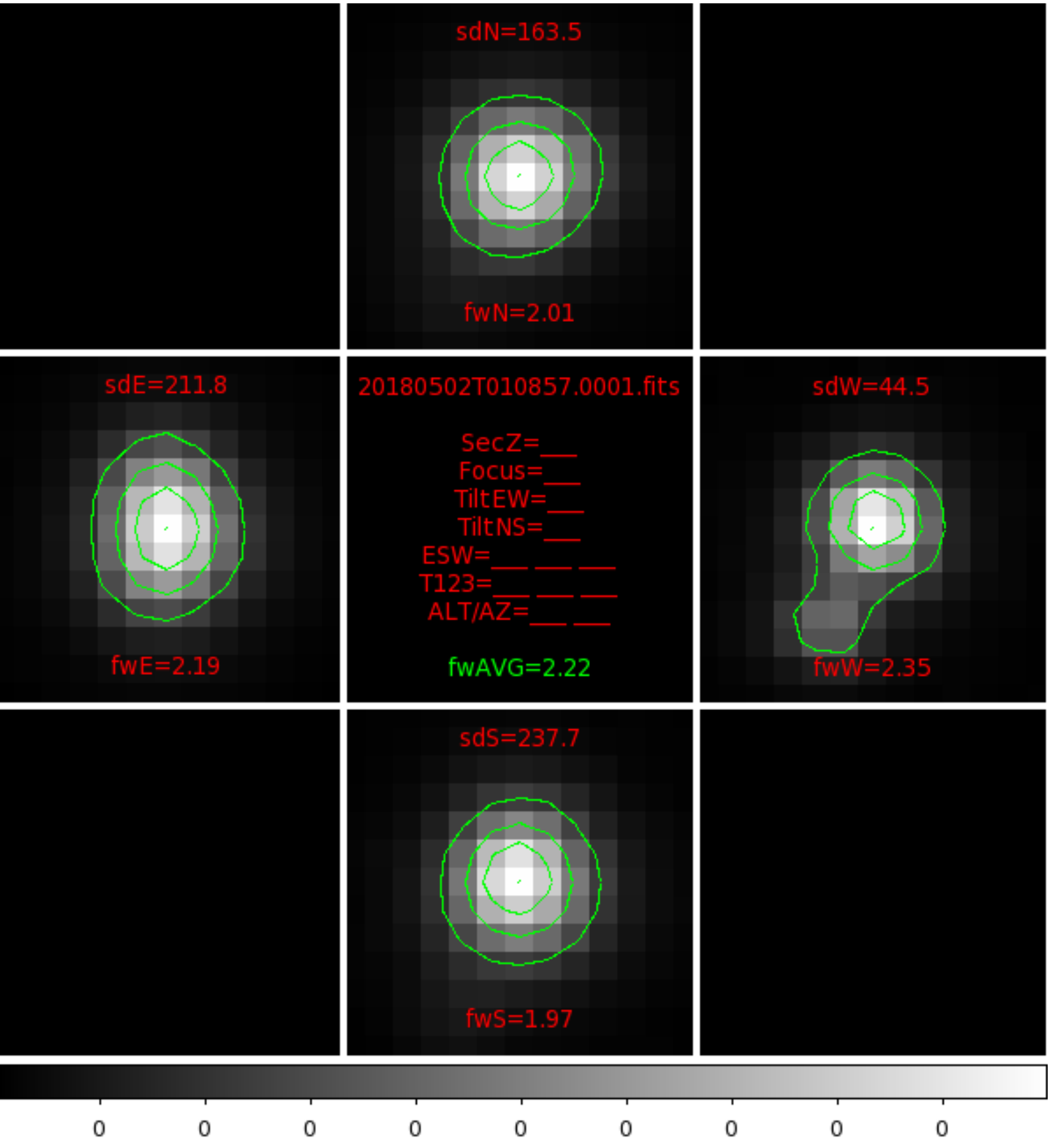
sdN=163.5
fwN=2.01
sdE=211.8
fwE=2.19
20180502T010857.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.22
sdW=44.5
fwW=2.35
sdS=237.7
fwS=1.97
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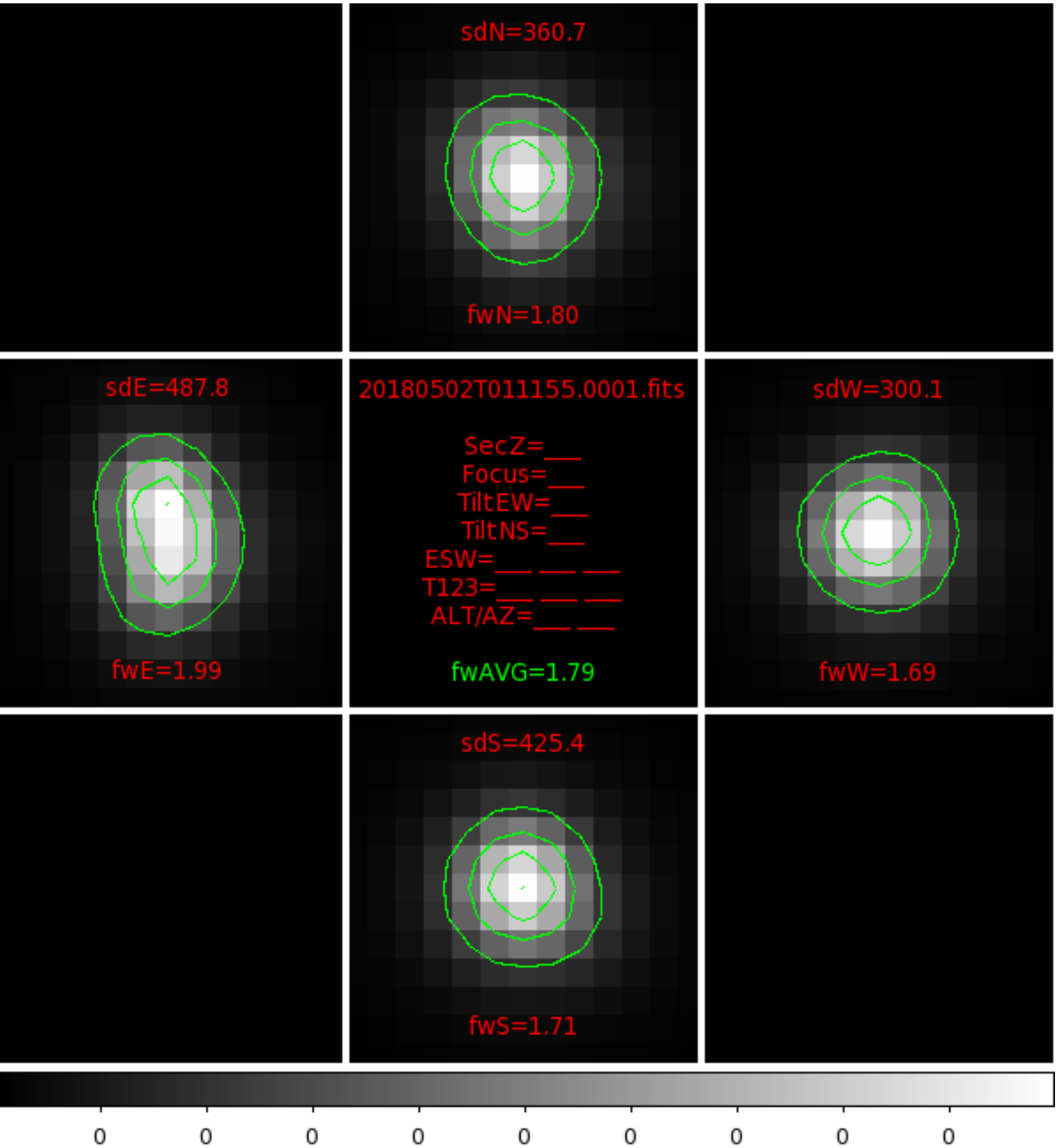
sdN=360.7
fwN=1.80
sdE=487.8
fwE=1.99
20180502T011155.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.79
sdW=300.1
fwW=1.69
sdS=425.4
fwS=1.71
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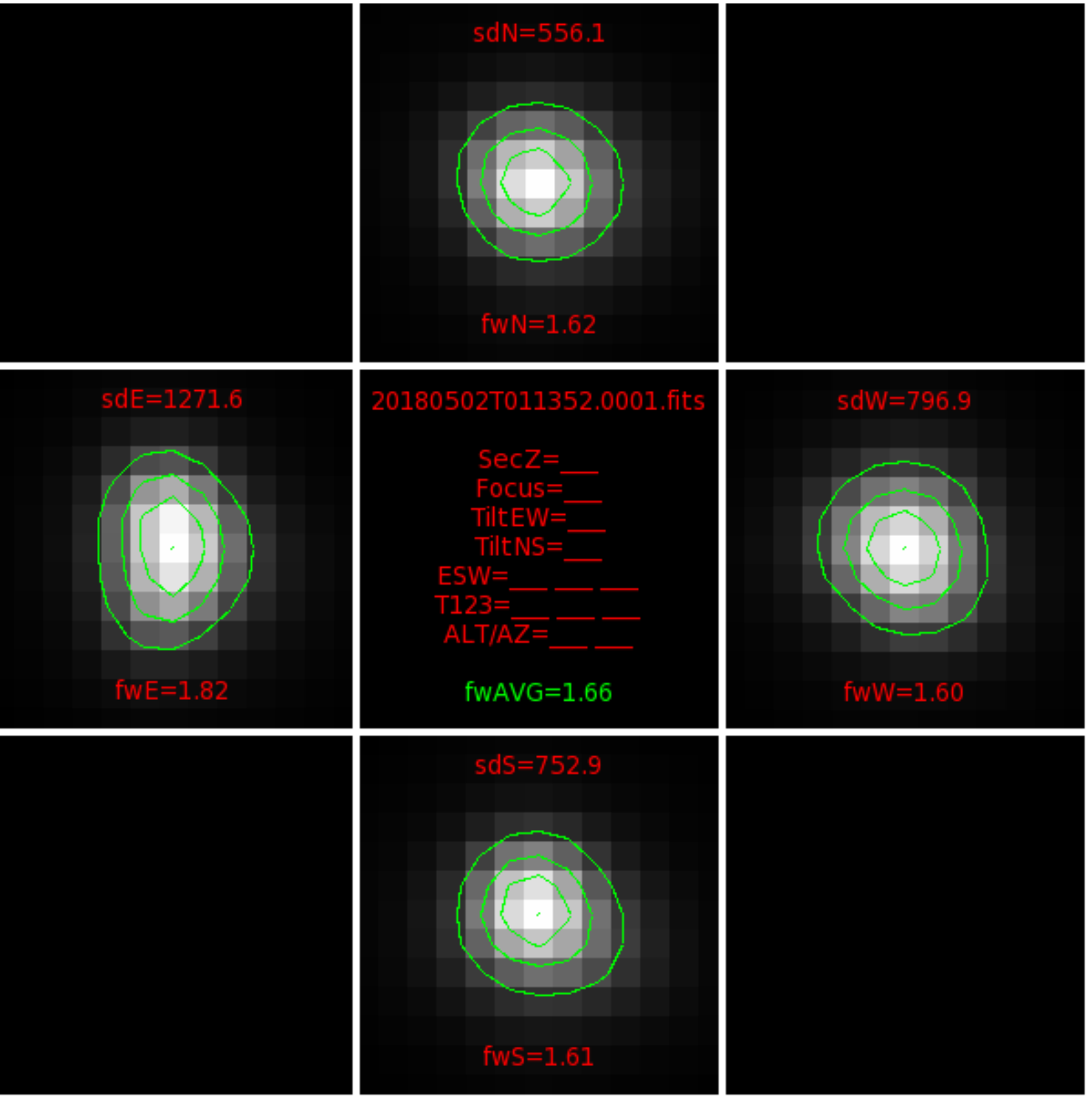
sdN=556.1
fwN=1.62
sdE=1271.6
fwE=1.82
20180502T011352.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.66
sdW=796.9
fwW=1.60
sdS=752.9
fwS=1.61
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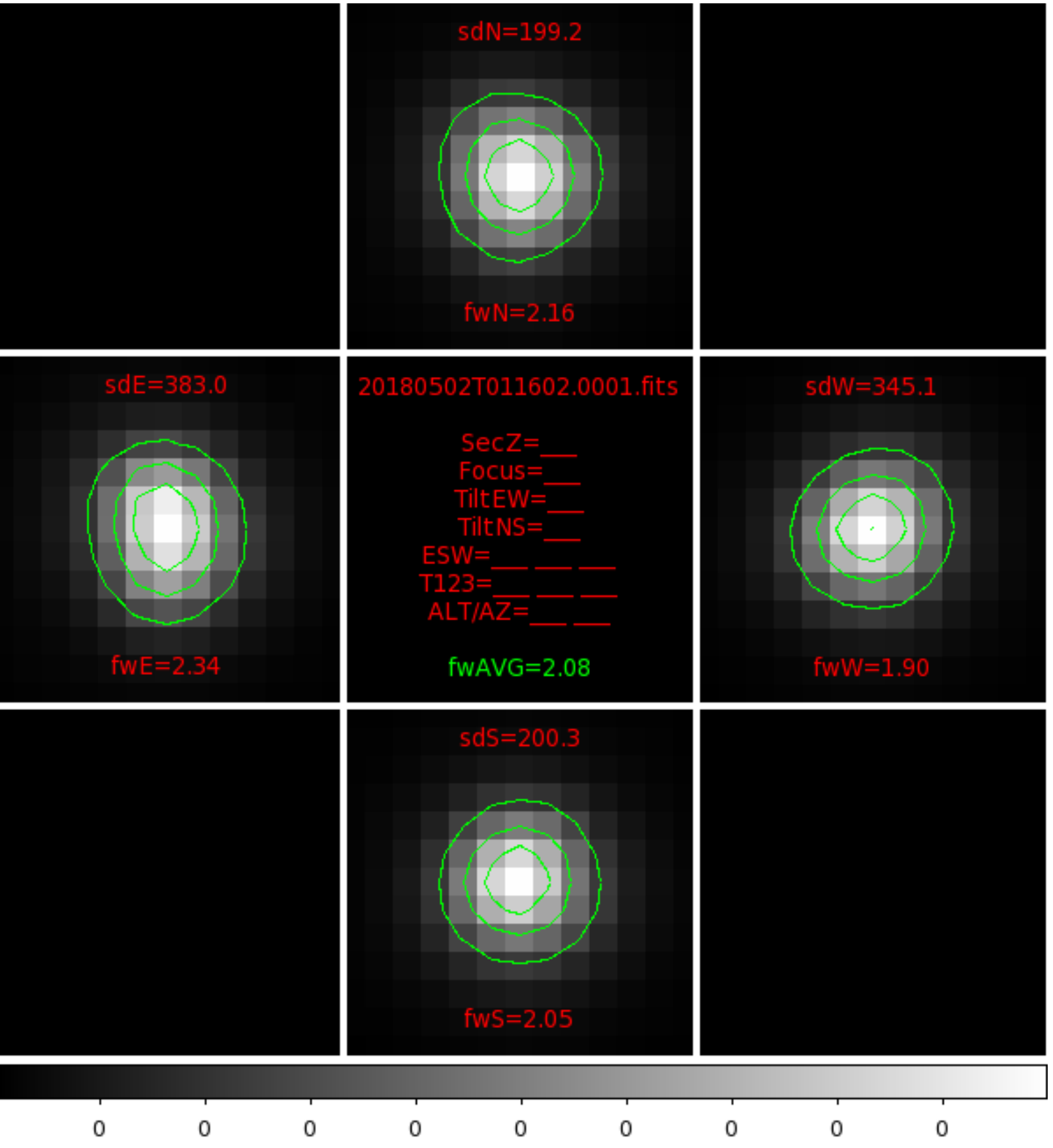
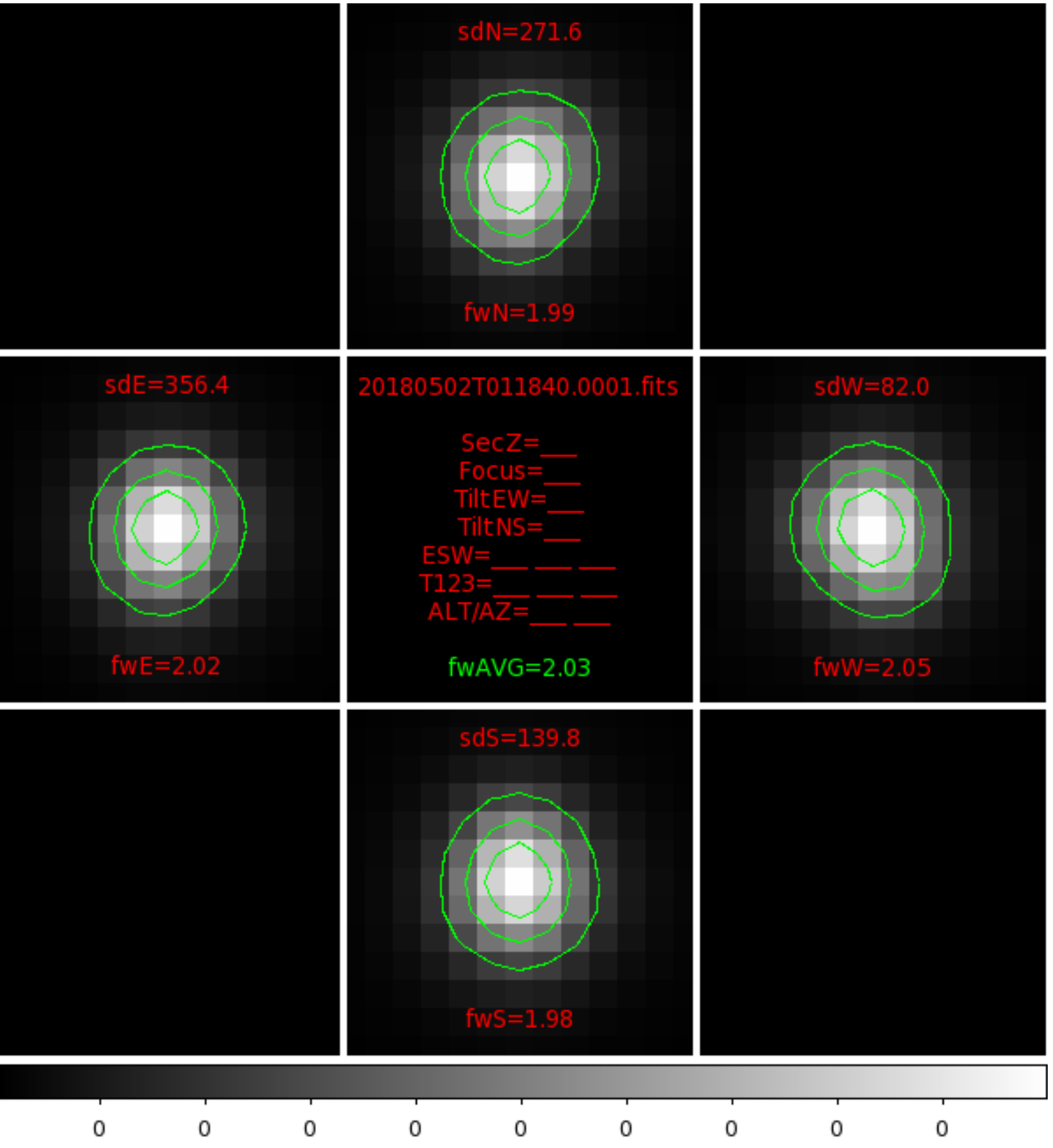
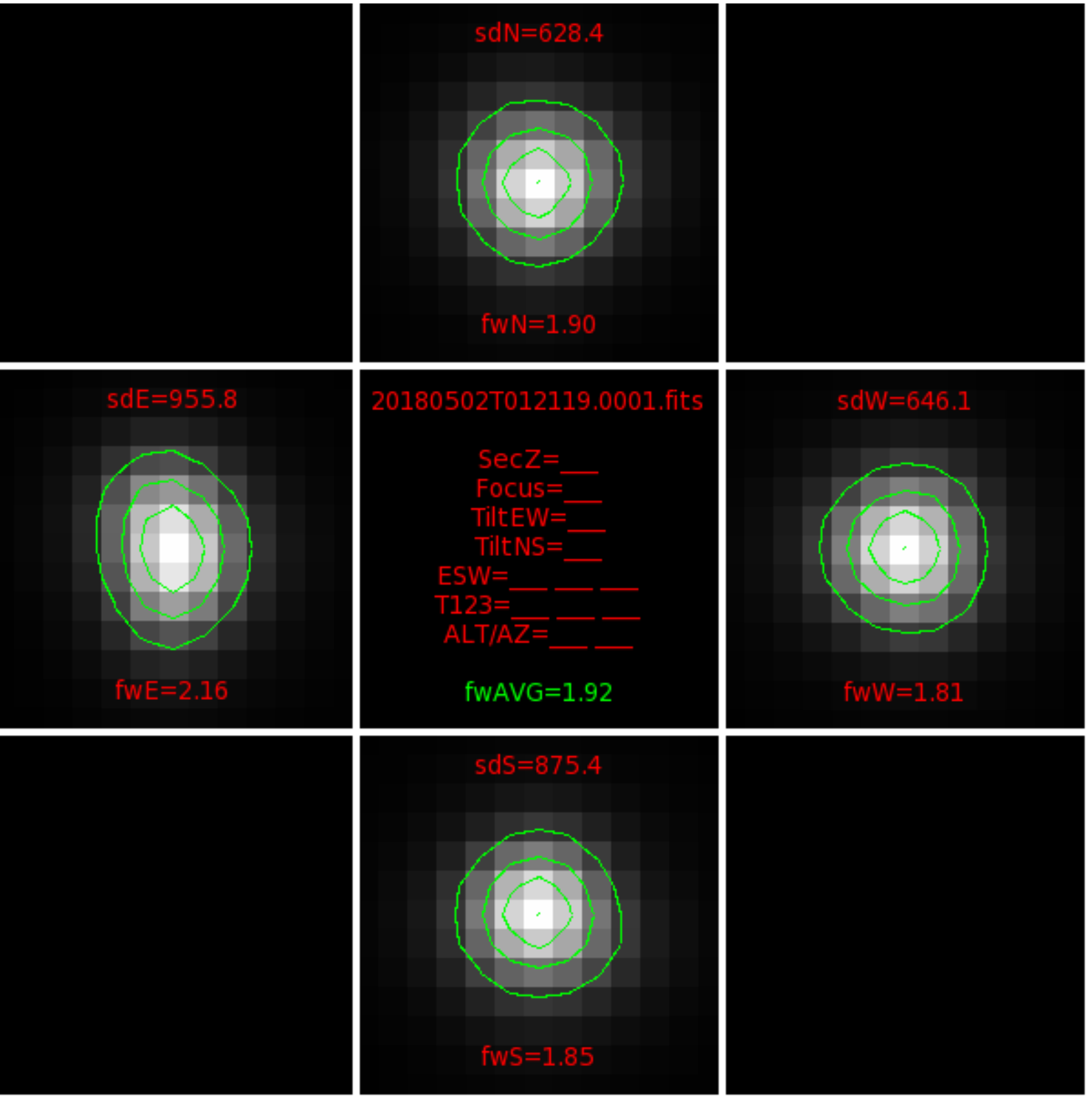
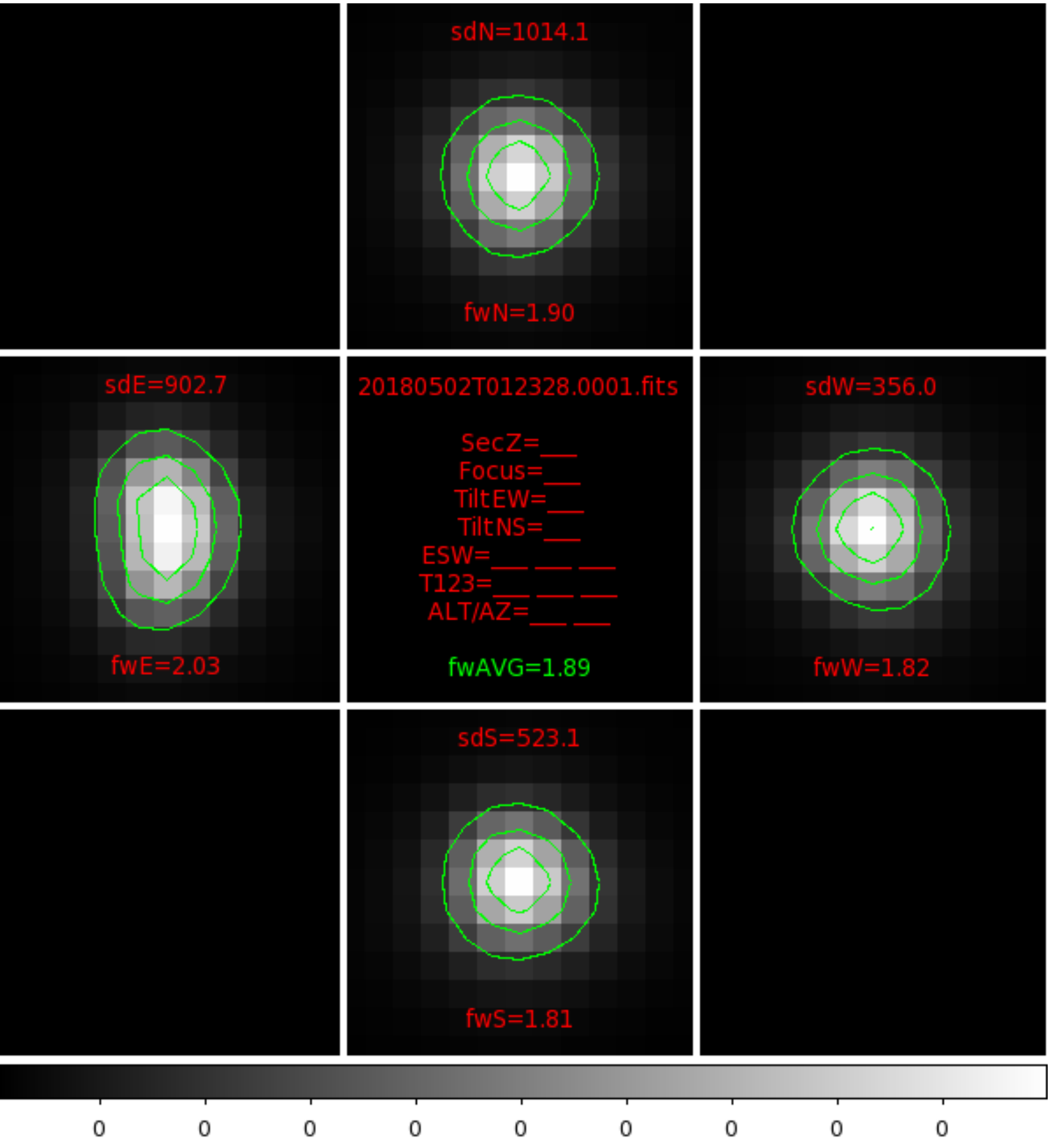
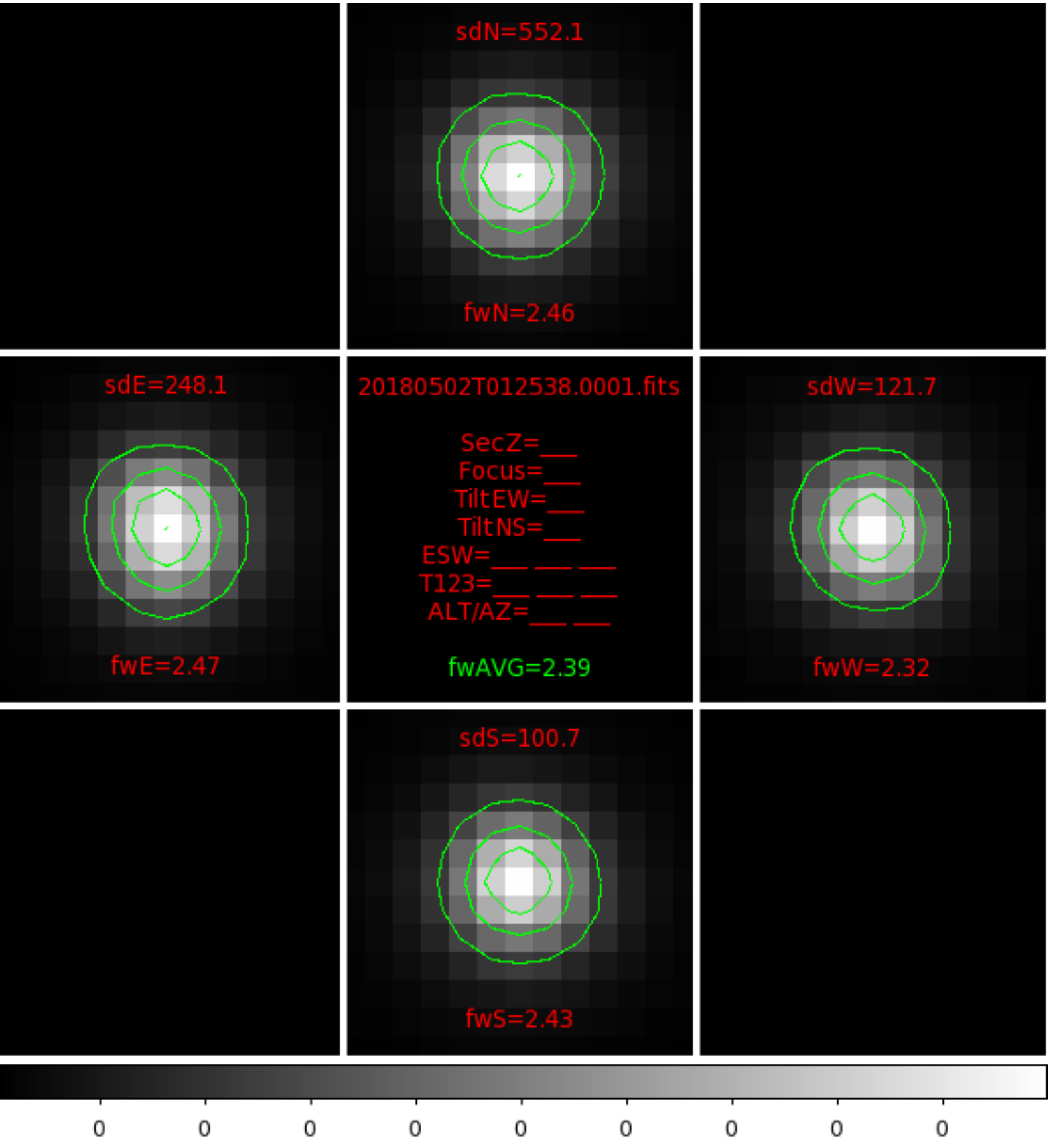
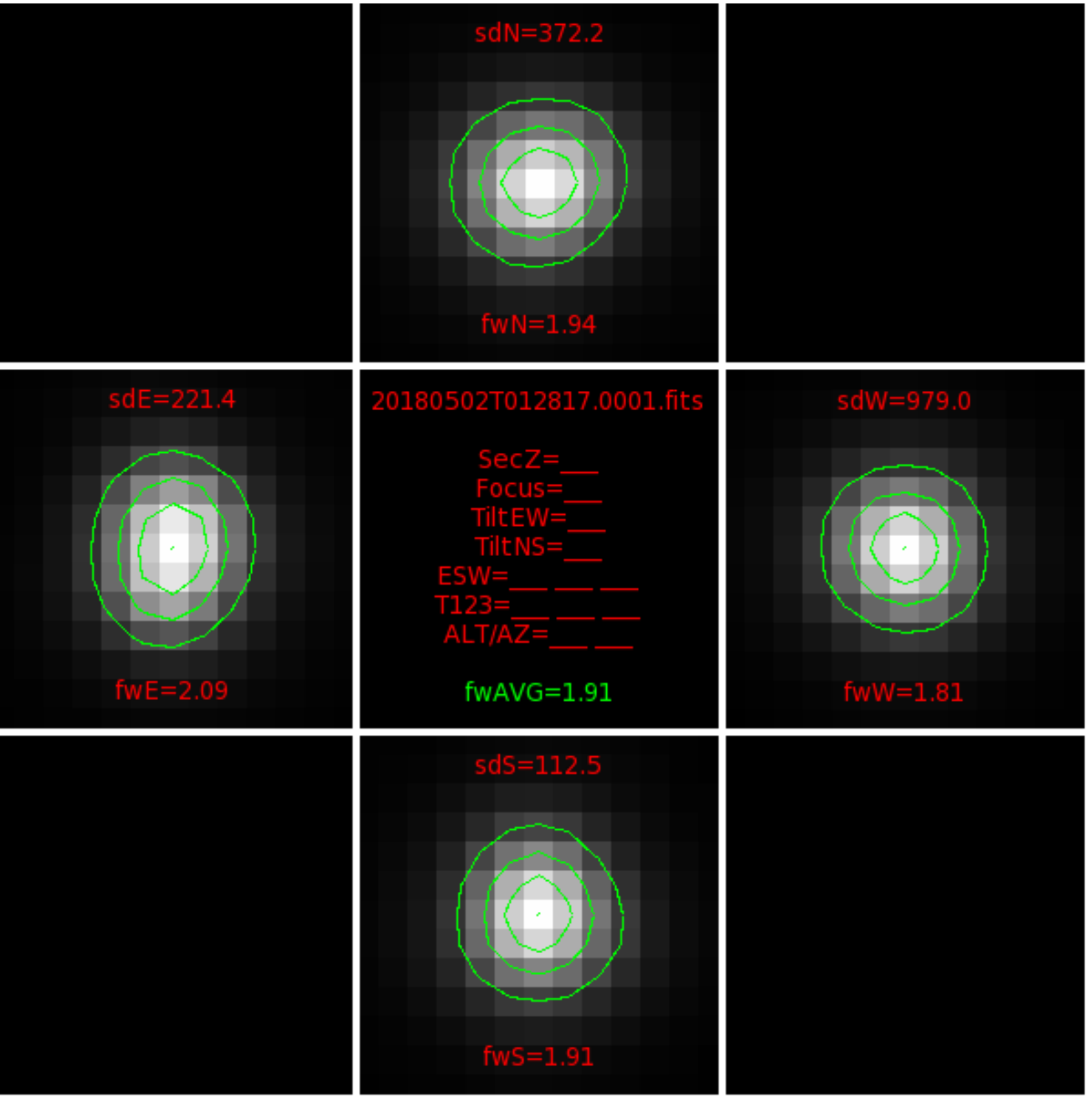

sdN=199.2
fwN=2.16
sdE=383.0
fwE=2.34
20180502T011602.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.08
sdW=345.1
fwW=1.90
sdS=200.3
fwS=2.05
0 0 0 0 0 0 0 0 0

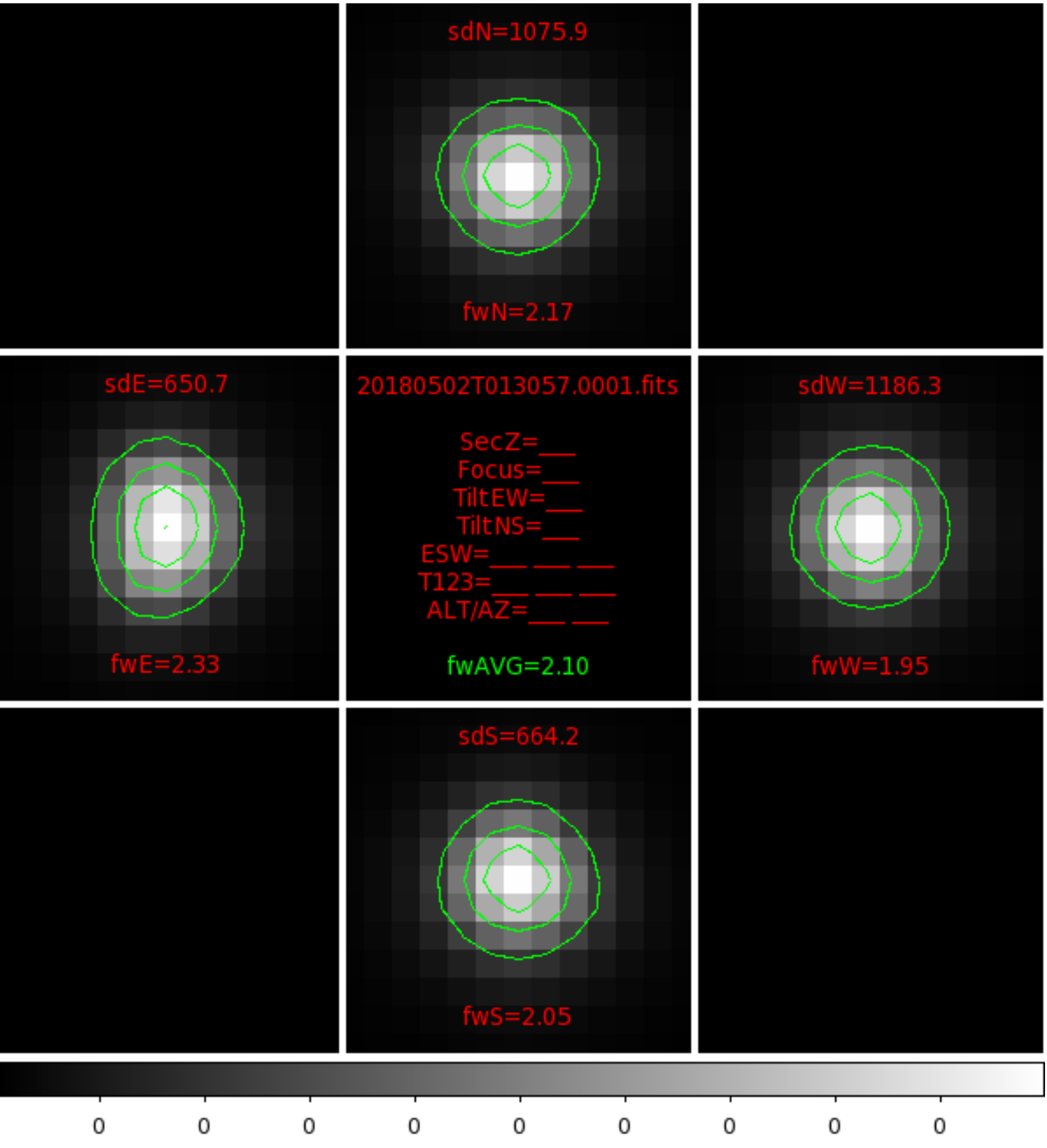

sdN=271.6
fwN=1.99
sdE=356.4
fwE=2.02
20180502T011840.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.03
sdW=82.0
fwW=2.05
sdS=139.8
fwS=1.98
0 0 0 0 0 0 0 0 0

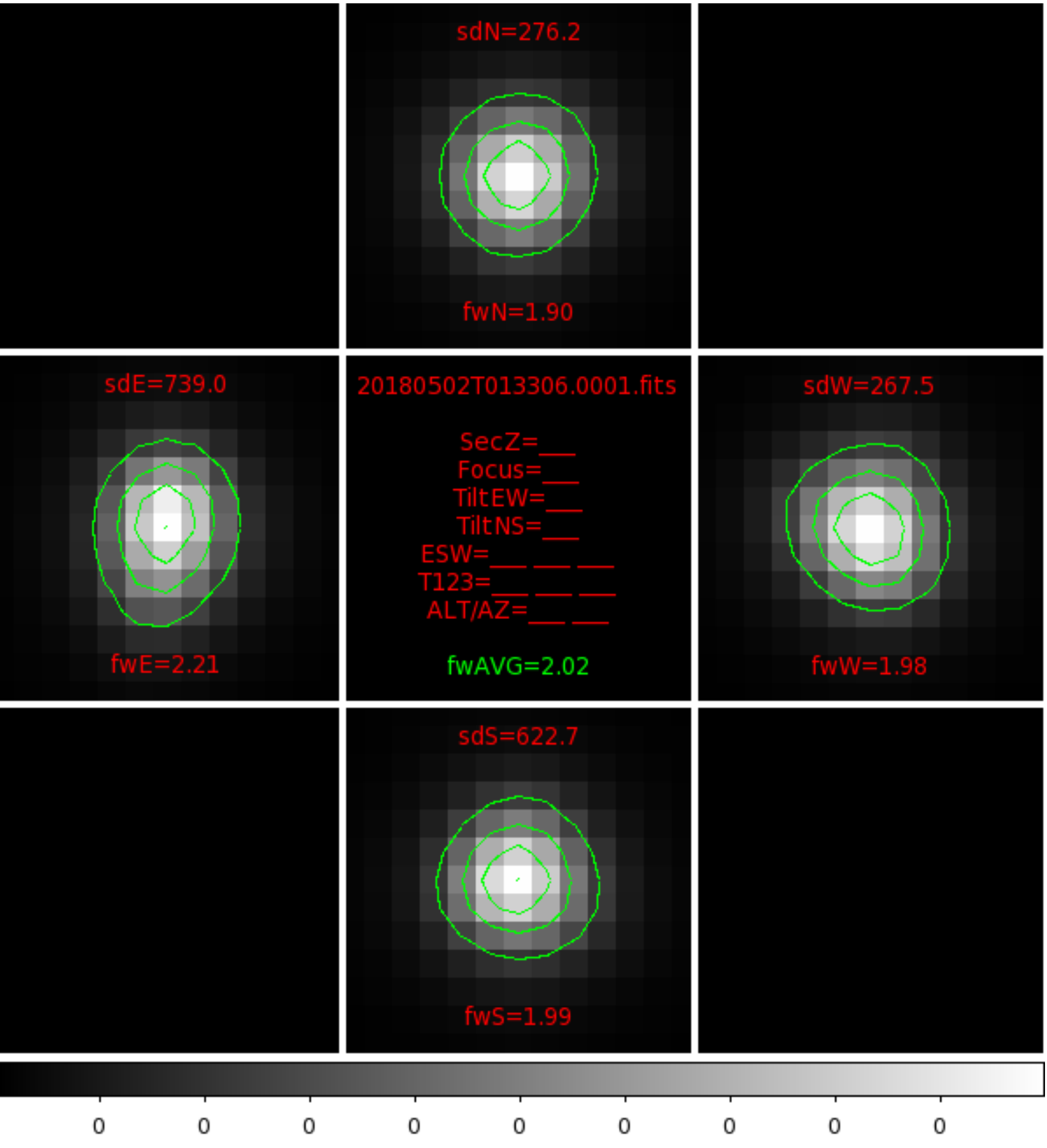

sdN=628.4
fwN=1.90
sdE=955.8
fwE=2.16
20180502T012119.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.92
sdW=646.1
fwW=1.81
sdS=875.4
fwS=1.85
0 0 0 0 0 0 0 0 0

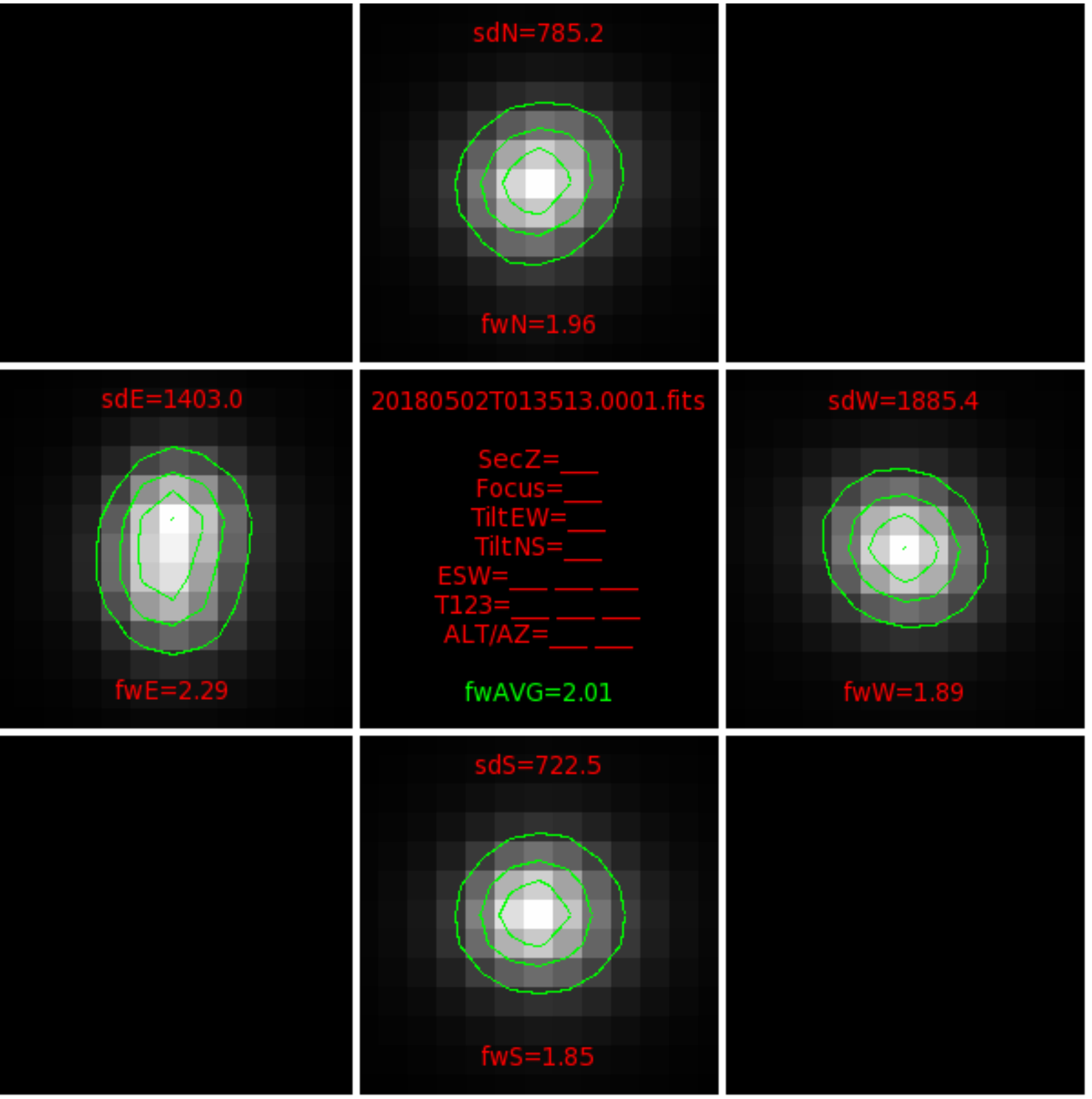

sdN=1014.1
fwN=1.90
sdE=902.7
fwE=2.03
20180502T012328.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.89
sdW=356.0
fwW=1.82
sdS=523.1
fwS=1.81
0 0 0 0 0 0 0 0 0

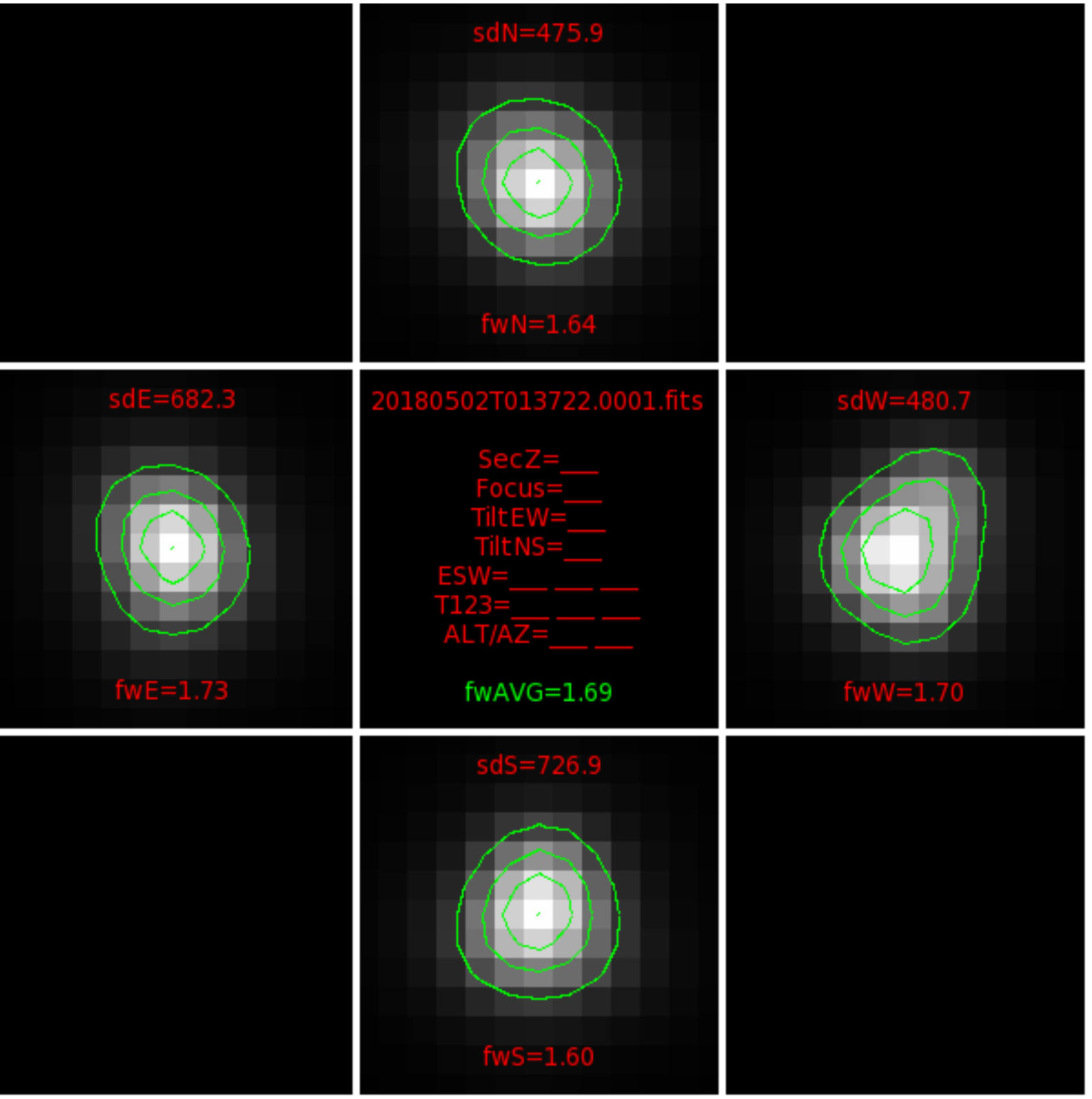

sdN=552.1
fwN=2.46
sdE=248.1
fwE=2.47
20180502T012538.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.39
sdW=121.7
fwW=2.32
sdS=100.7
fwS=2.43
0 0 0 0 0 0 0 0 0

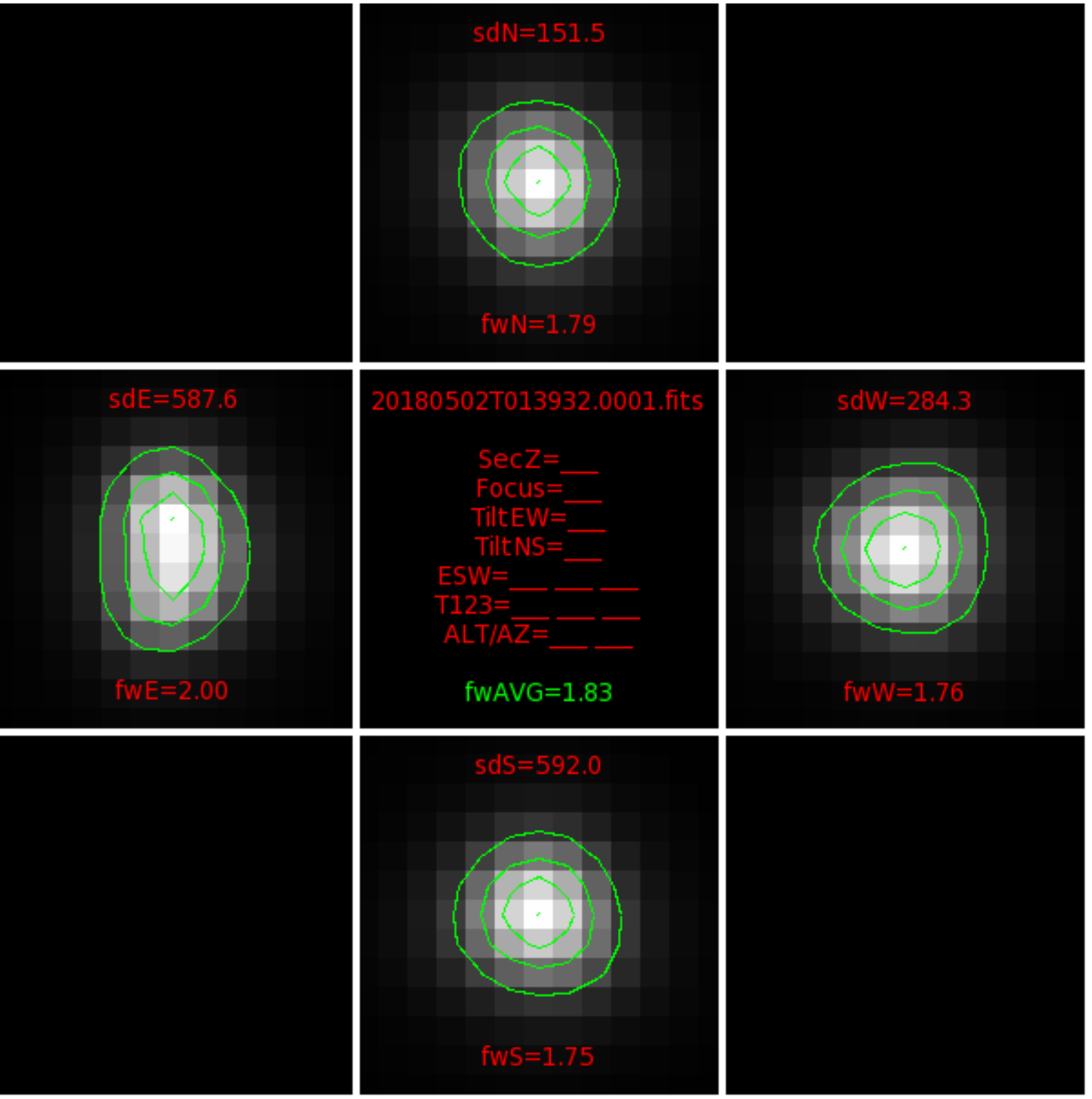

sdN=372.2
fwN=1.94
sdE=221.4
fwE=2.09
20180502T012817.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.91
sdW=979.0
fwW=1.81
sdS=112.5
fwS=1.91
0 0 0 0 0 0 0 0 0


sdN=1075.9
fwN=2.17
sdE=650.7
fwE=2.33
20180502T013057.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.10
sdW=1186.3
fwW=1.95
sdS=664.2
fwS=2.05
0 0 0 0 0 0 0 0 0


sdN=276.2
fwN=1.90
sdE=739.0
fwE=2.21
20180502T013306.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.02
sdW=267.5
fwW=1.98
sdS=622.7
fwS=1.99
0 0 0 0 0 0 0 0 0


sdN=785.2
fwN=1.96
sdE=1403.0
fwE=2.29
20180502T013513.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.01
sdW=1885.4
fwW=1.89
sdS=722.5
fwS=1.85
0 0 0 0 0 0 0 0 0


sdN=475.9
fwN=1.64
sdE=682.3
fwE=1.73
20180502T013722.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.69
sdW=480.7
fwW=1.70
sdS=726.9
fwS=1.60
0 0 0 0 0 0 0 0 0


sdN=151.5
fwN=1.79
sdE=587.6
fwE=2.00
20180502T013932.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.83
sdW=284.3
fwW=1.76
sdS=592.0
fwS=1.75
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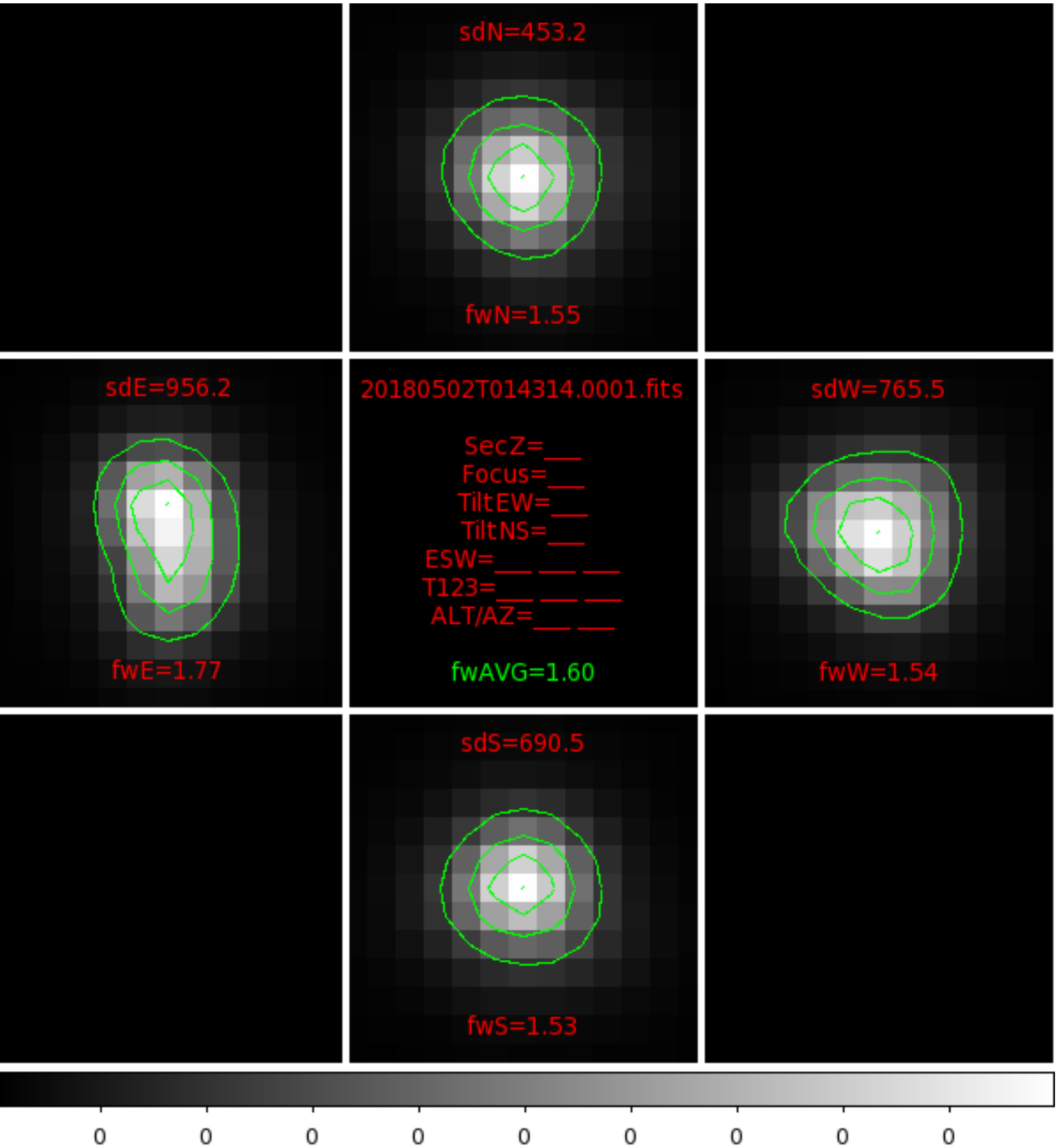
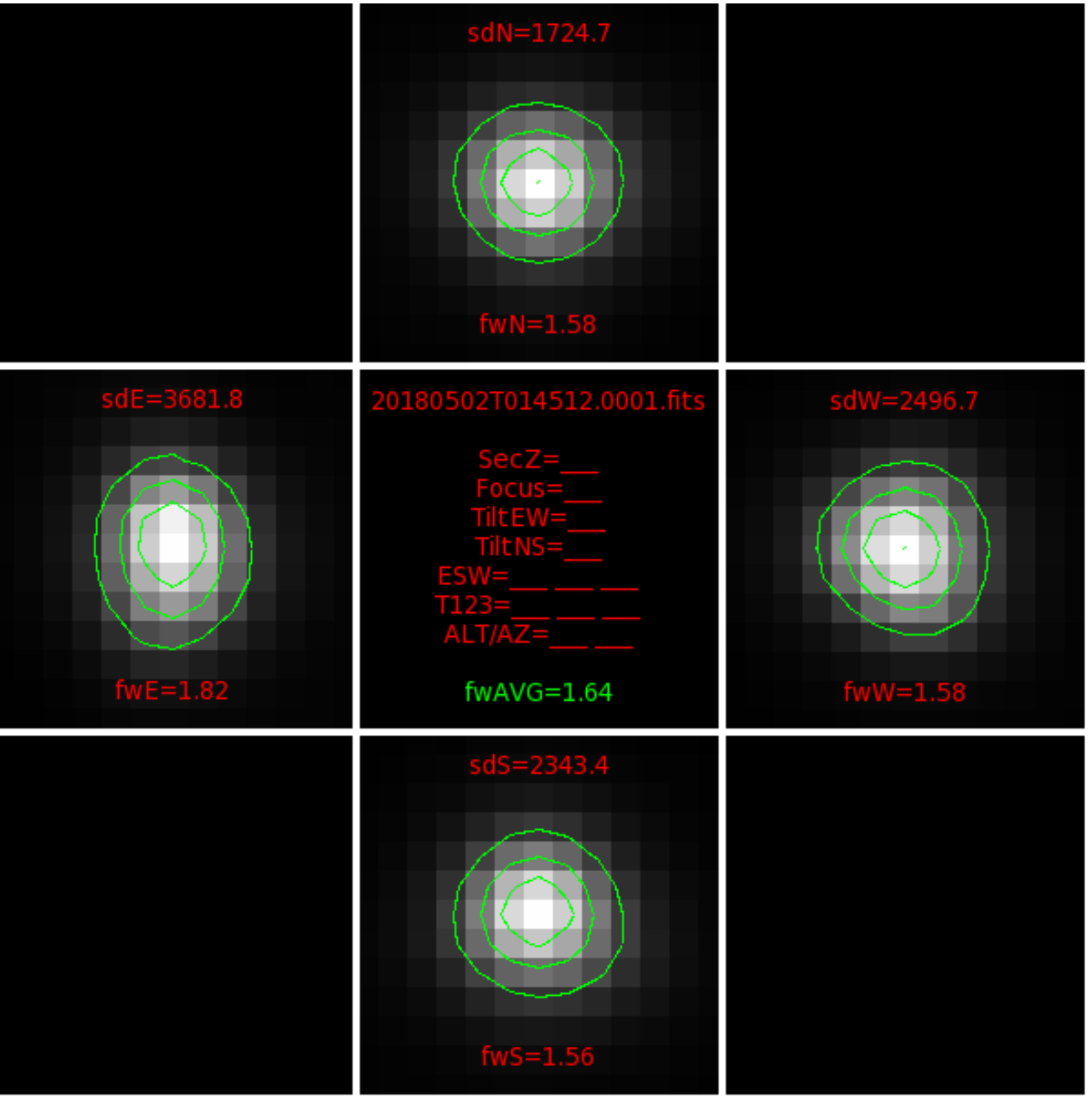
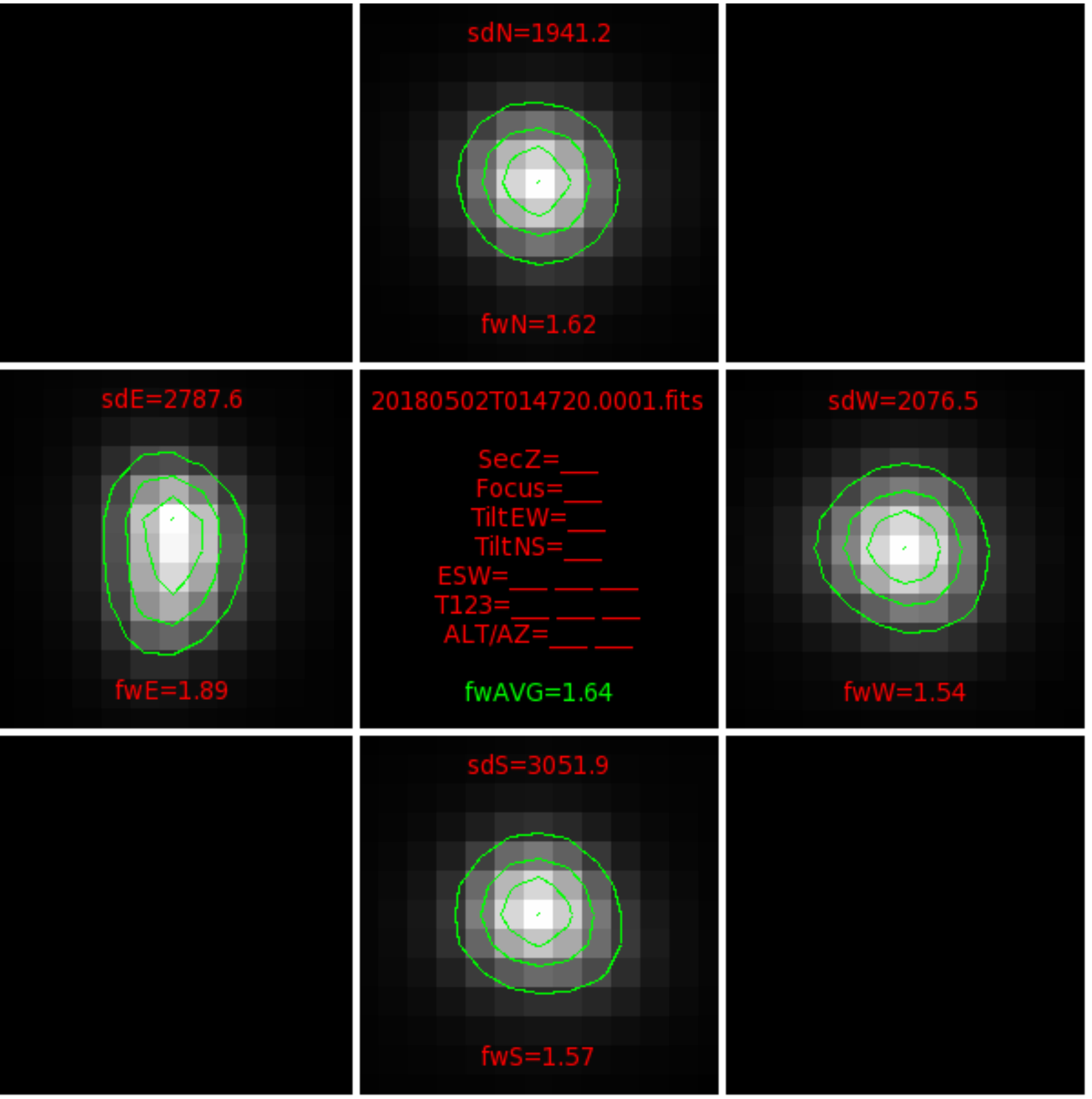
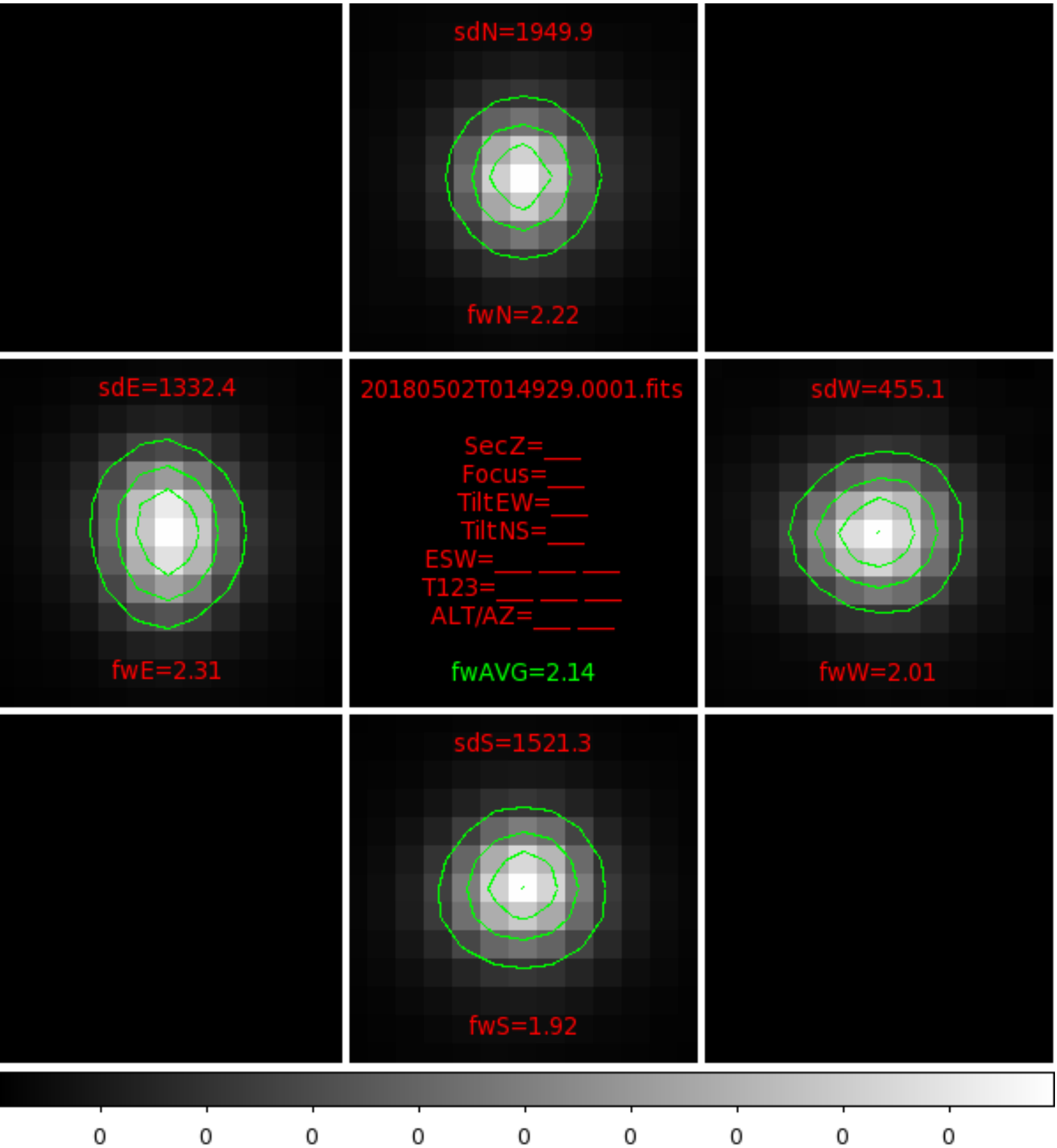
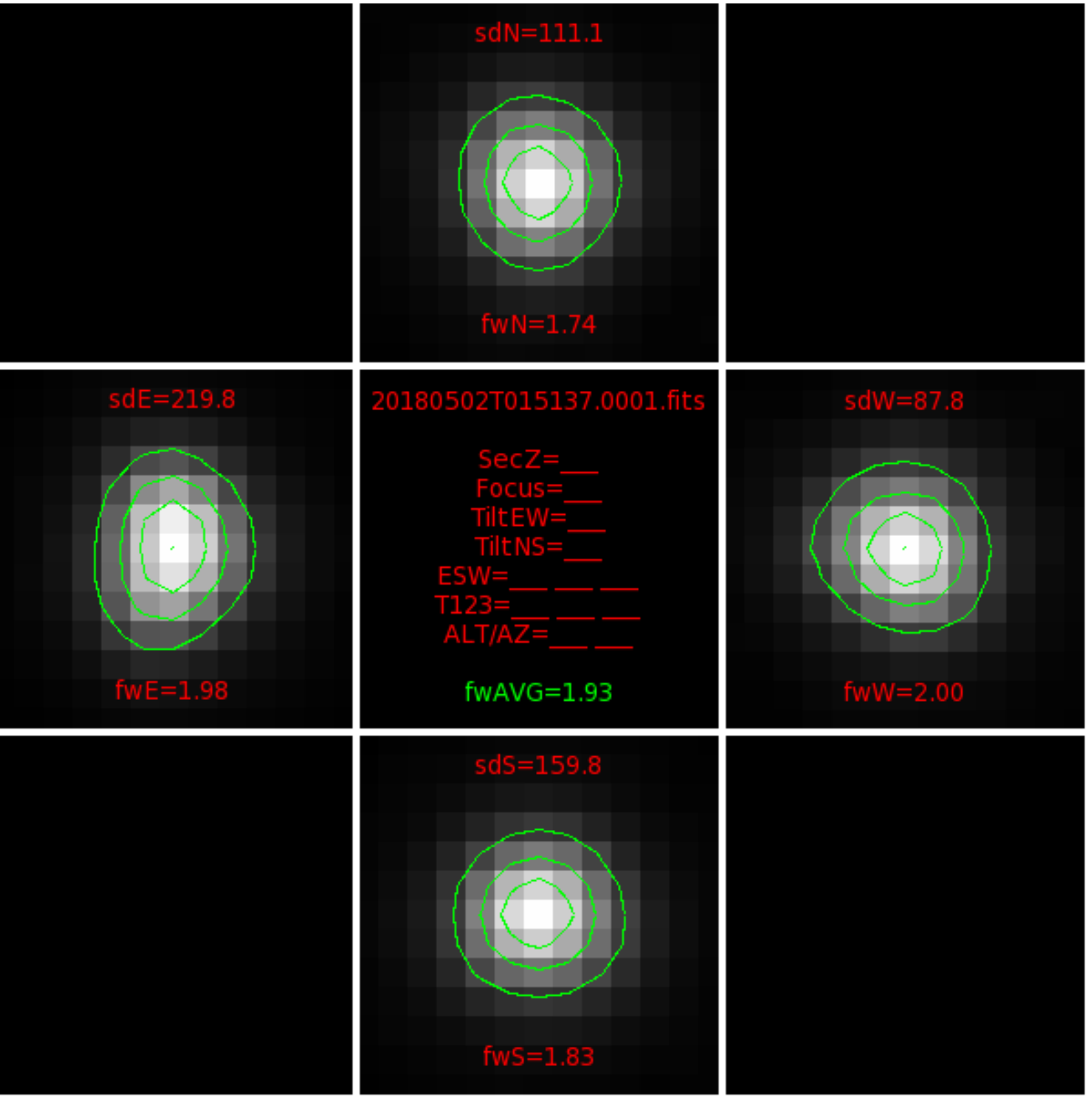

sdN=453.2
fwN=1.55
sdE=956.2
fwE=1.77
20180502T014314.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.60
sdW=765.5
fwW=1.54
sdS=690.5
fwS=1.53
0 0 0 0 0 0 0 0 0


sdN=1724.7
fwN=1.58
sdE=3681.8
fwE=1.82
20180502T014512.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.64
sdW=2496.7
fwW=1.58
sdS=2343.4
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=1941.2
fwN=1.62
sdE=2787.6
fwE=1.89
20180502T014720.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.64
sdW=2076.5
fwW=1.54
sdS=3051.9
fwS=1.57
0 0 0 0 0 0 0 0 0


sdN=1949.9
fwN=2.22
sdE=1332.4
fwE=2.31
20180502T014929.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.14
sdW=455.1
fwW=2.01
sdS=1521.3
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=111.1
fwN=1.74
sdE=219.8
fwE=1.98
20180502T015137.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.93
sdW=87.8
fwW=2.00
sdS=159.8
fwS=1.83
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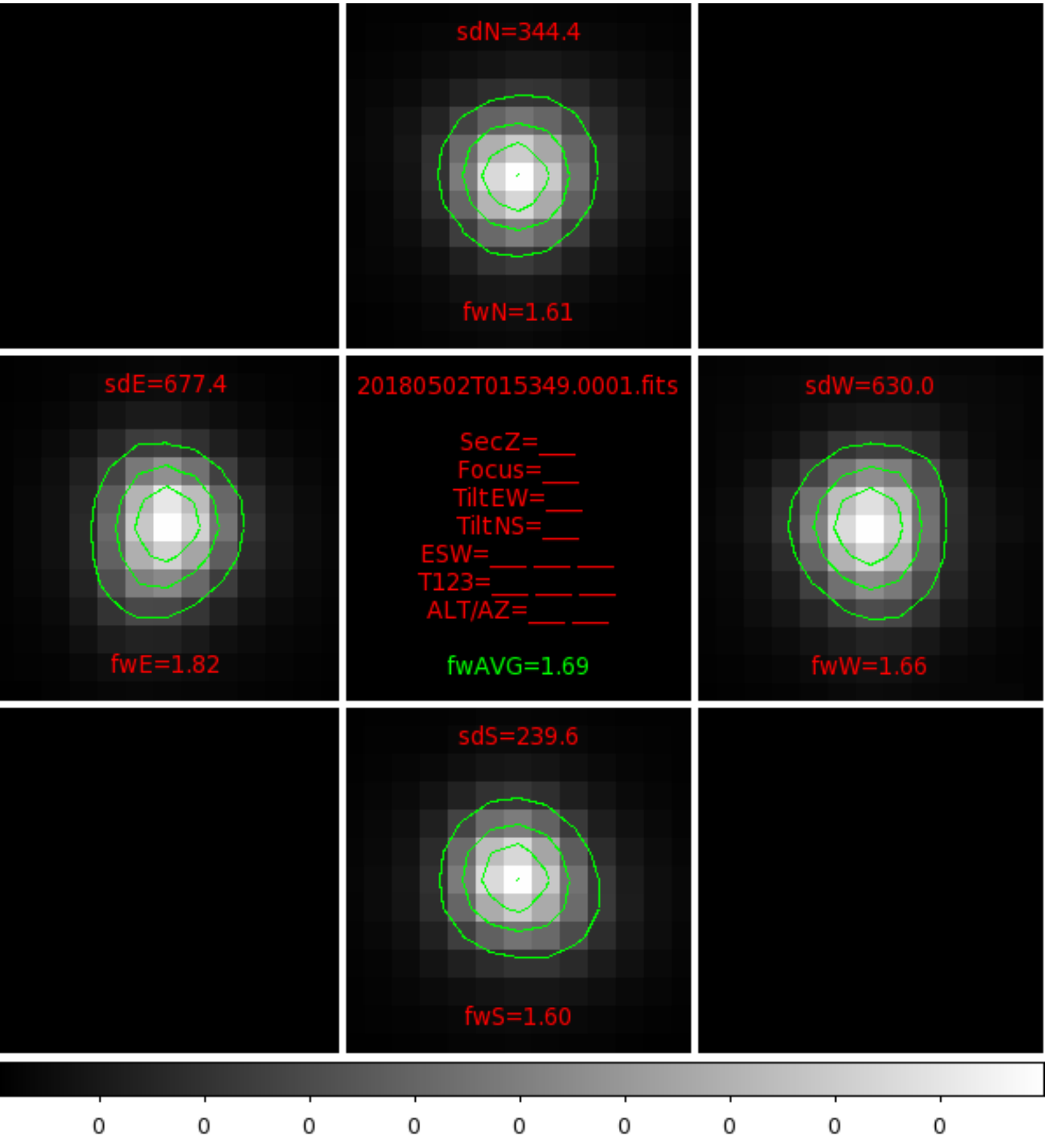
sdN=344.4
fwN=1.61
sdE=677.4
fwE=1.82
20180502T015349.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.69
sdW=630.0
fwW=1.66
sdS=239.6
fwS=1.60
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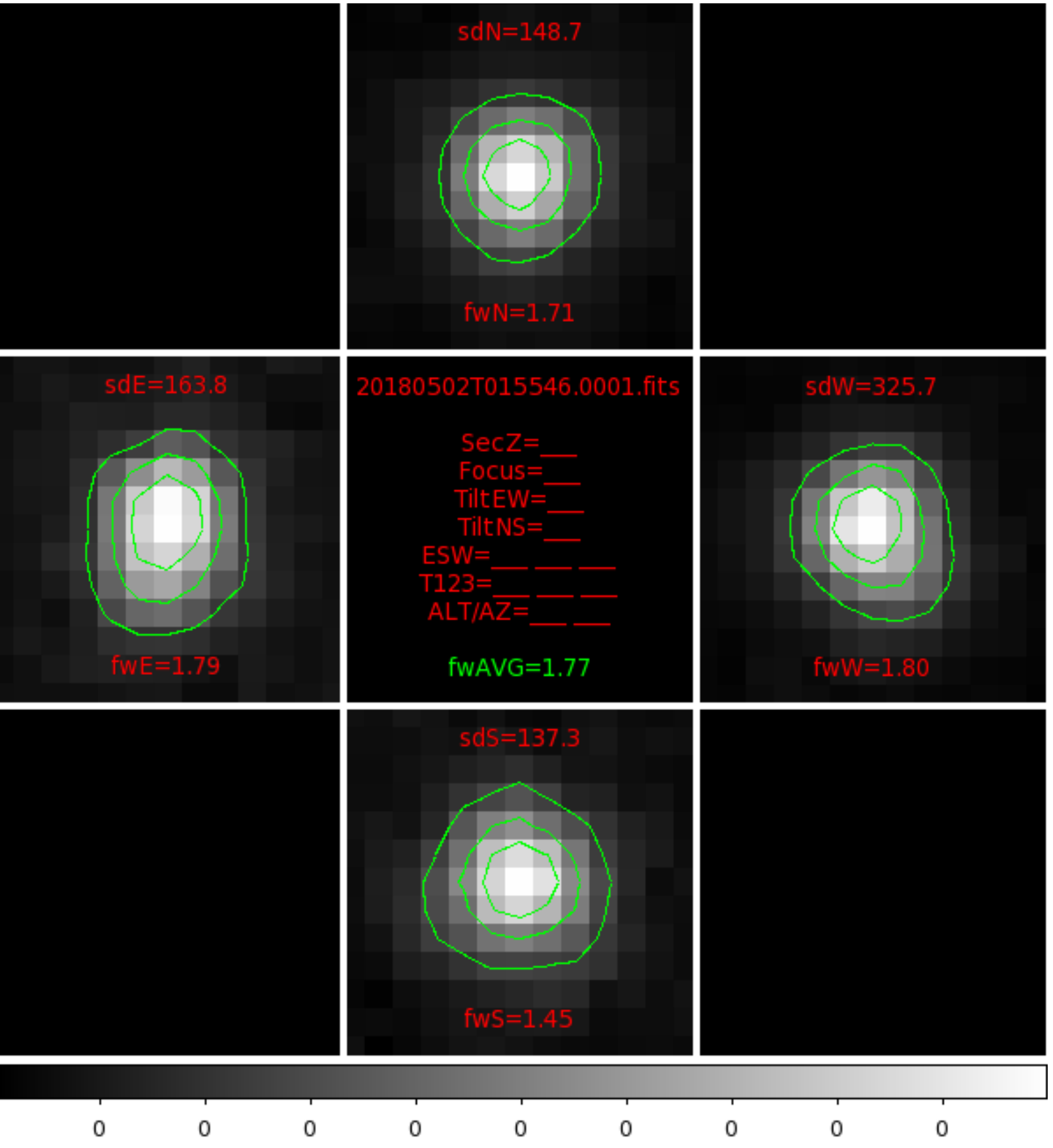
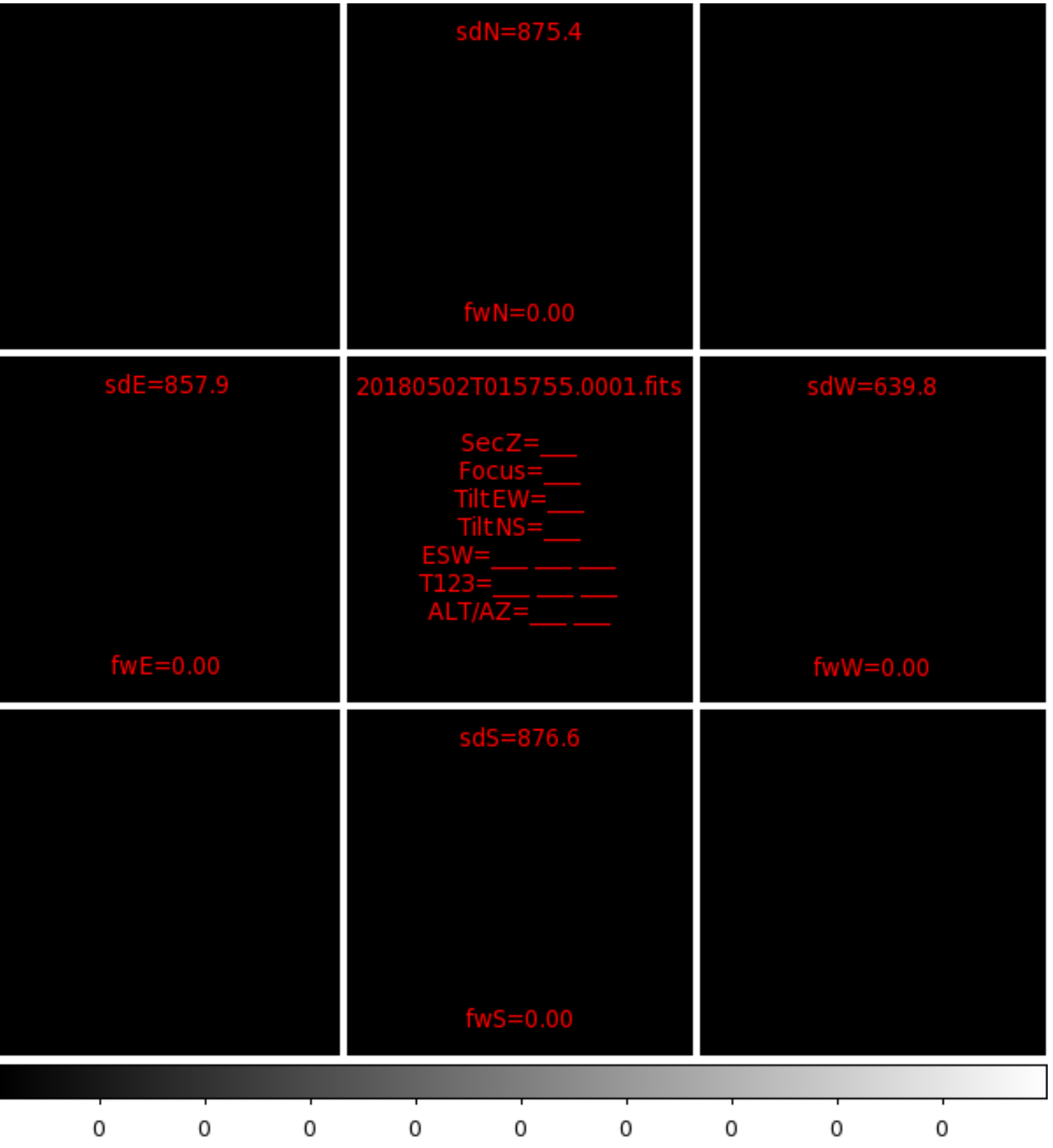
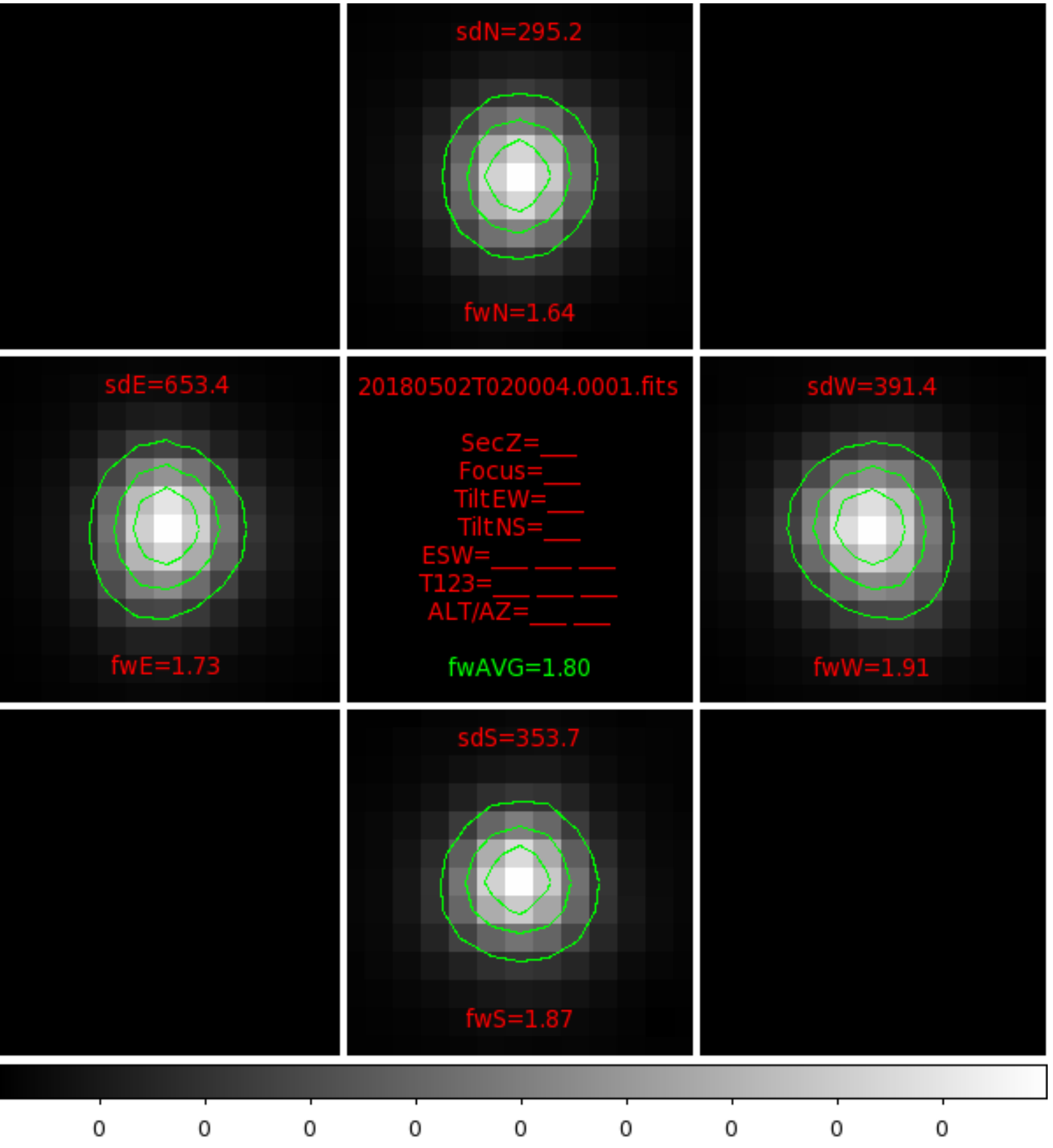

sdN=148.7
fwN=1.71
sdE=163.8
fwE=1.79
20180502T015546.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.77
sdW=325.7
fwW=1.80
sdS=137.3
fwS=1.45
0 0 0 0 0 0 0 0 0


sdN=875.4
fwN=0.00
sdE=857.9
20180502T015755.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=639.8
fwE=0.00
fwW=0.00
sdS=876.6
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=295.2
fwN=1.64
sdE=653.4
fwE=1.73
20180502T020004.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.80
sdW=391.4
fwW=1.91
sdS=353.7
fwS=1.87
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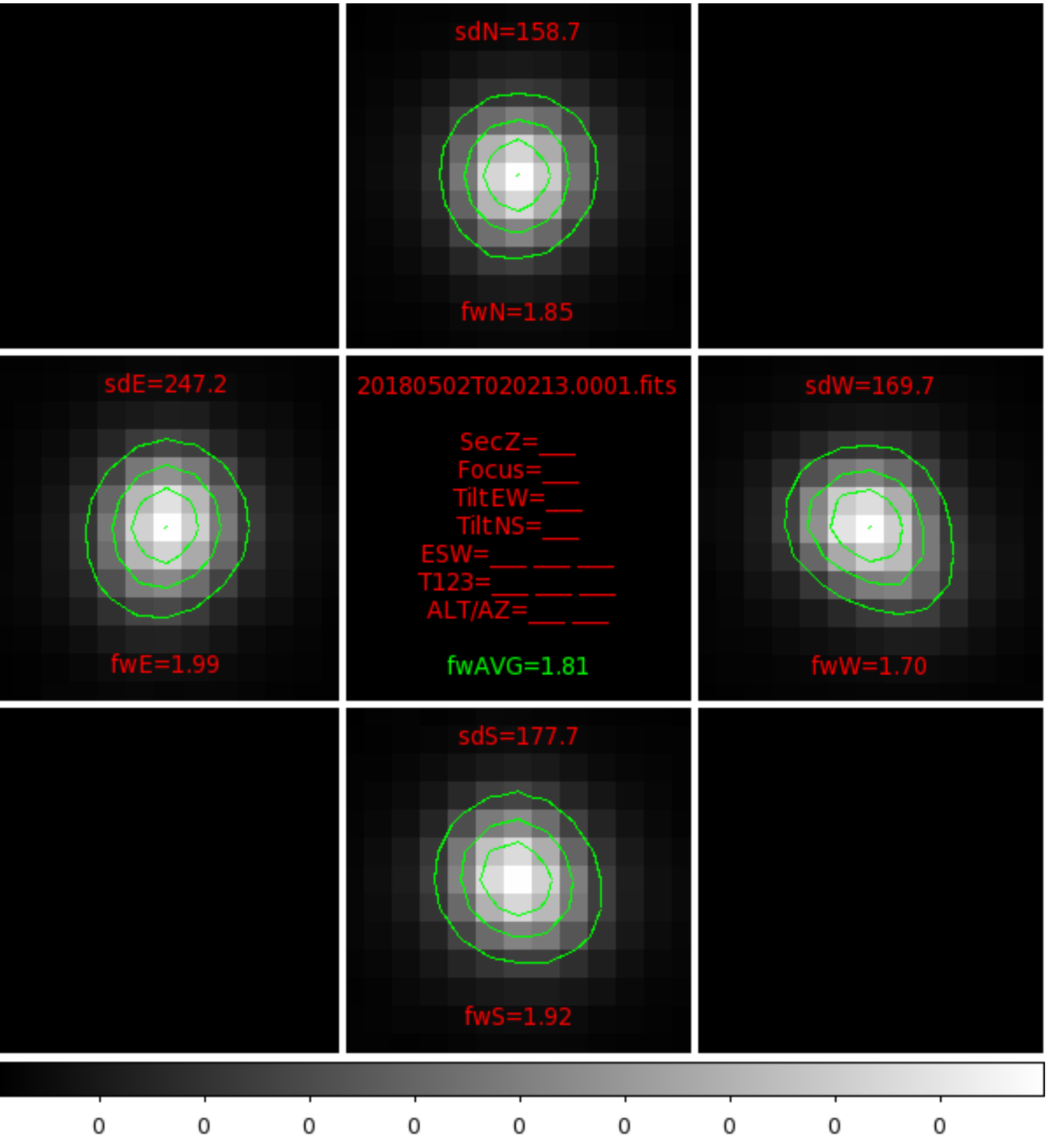
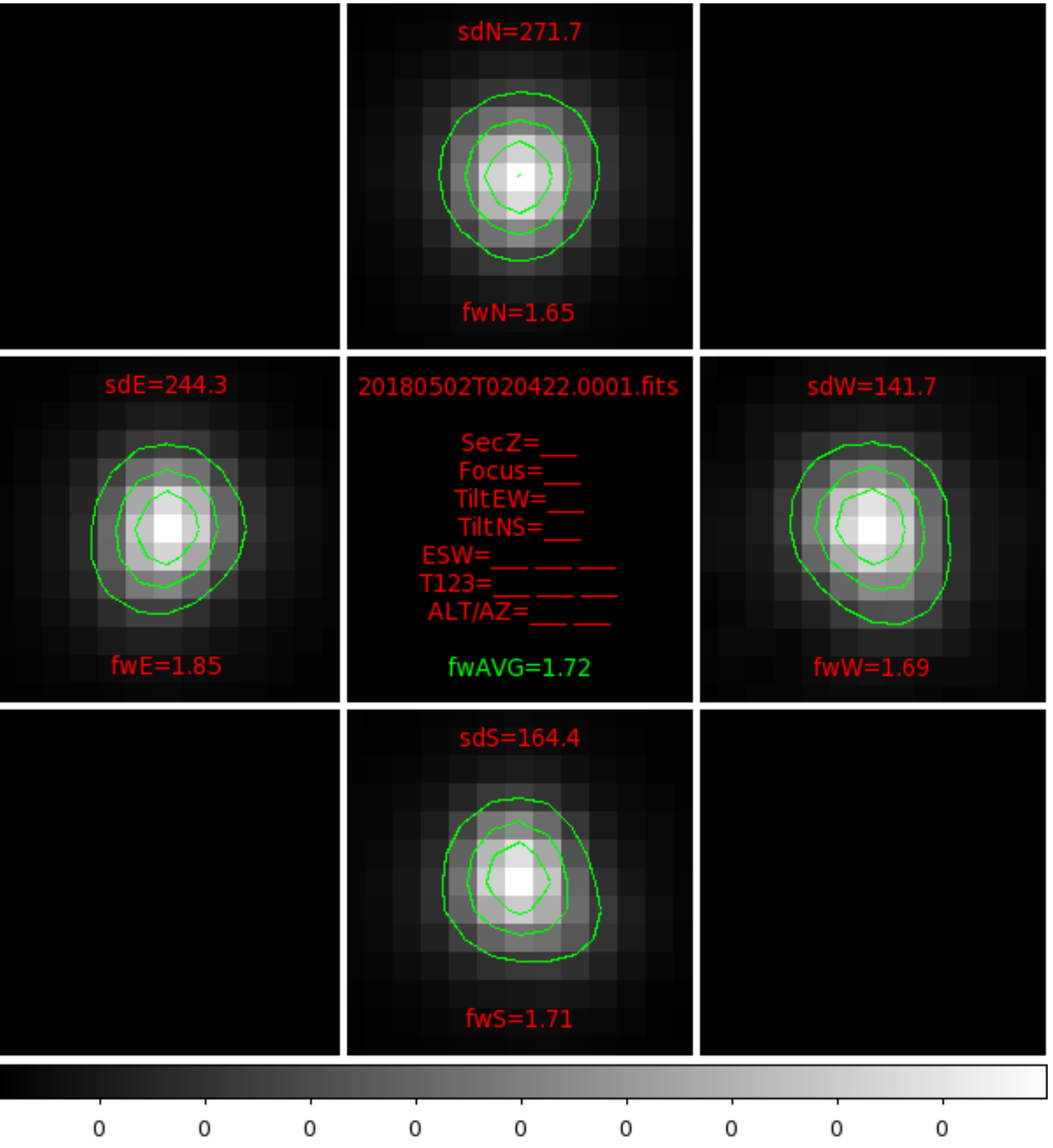
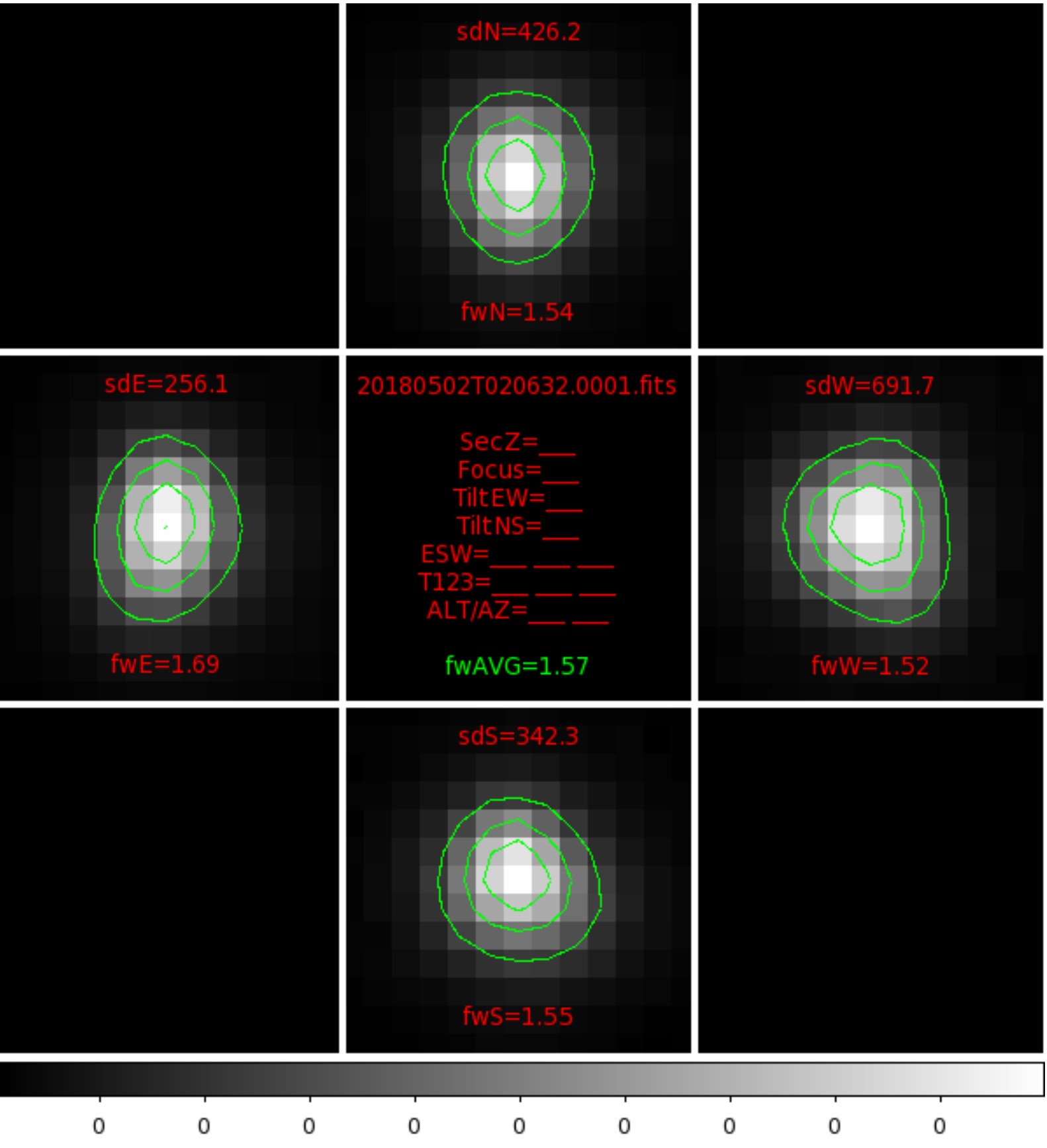

sdN=158.7
fwN=1.85
sdE=247.2
fwE=1.99
20180502T020213.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.81
sdW=169.7
fwW=1.70
sdS=177.7
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=271.7
fwN=1.65
sdE=244.3
fwE=1.85
20180502T020422.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.72
sdW=141.7
fwW=1.69
sdS=164.4
fwS=1.71
0 0 0 0 0 0 0 0 0


sdN=426.2
fwN=1.54
sdE=256.1
fwE=1.69
20180502T020632.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.57
sdW=691.7
fwW=1.52
sdS=342.3
fwS=1.55
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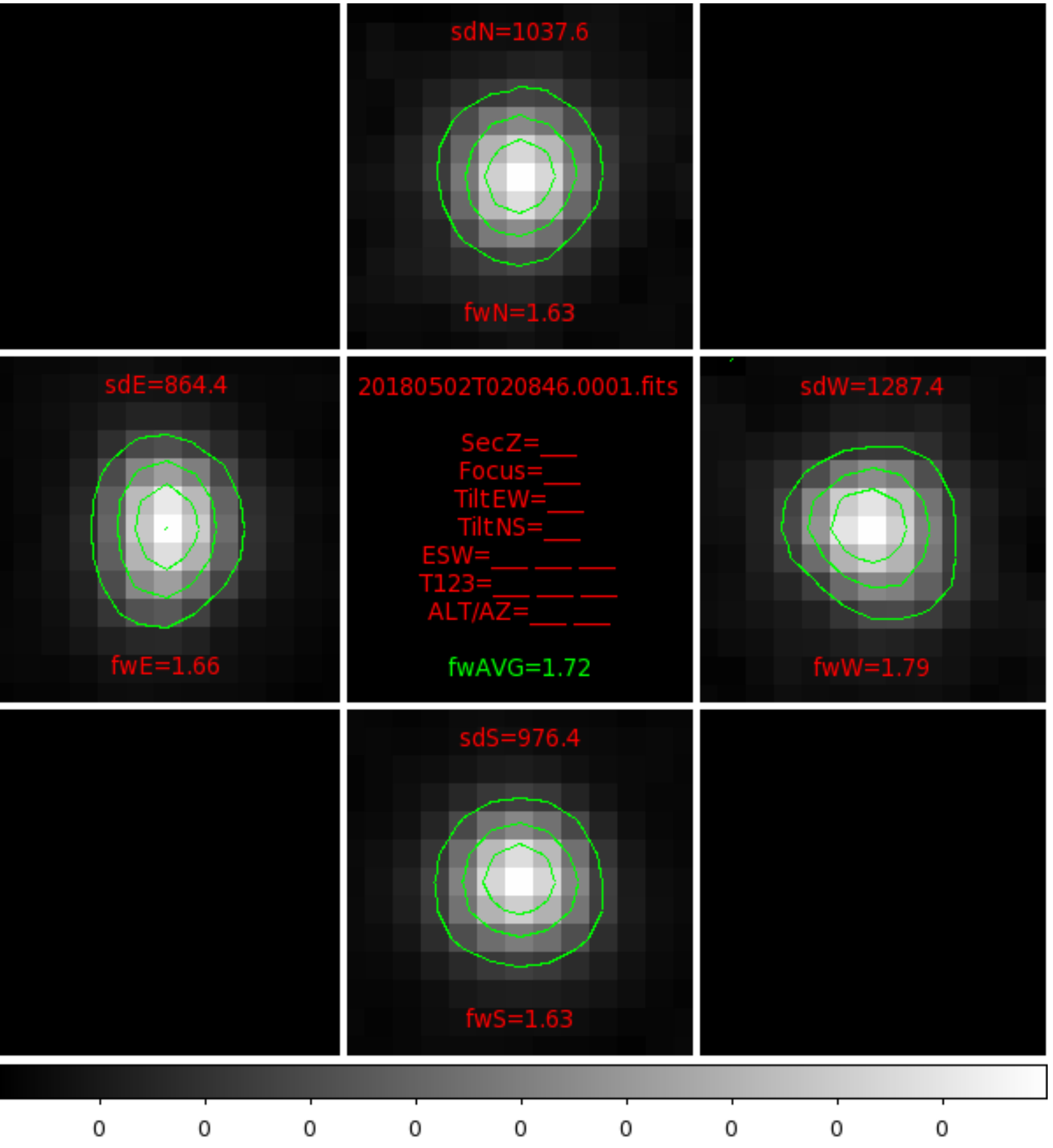
sdN=1037.6
fwN=1.63
sdE=864.4
fwE=1.66
20180502T020846.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.72
sdW=1287.4
fwW=1.79
sdS=976.4
fwS=1.63
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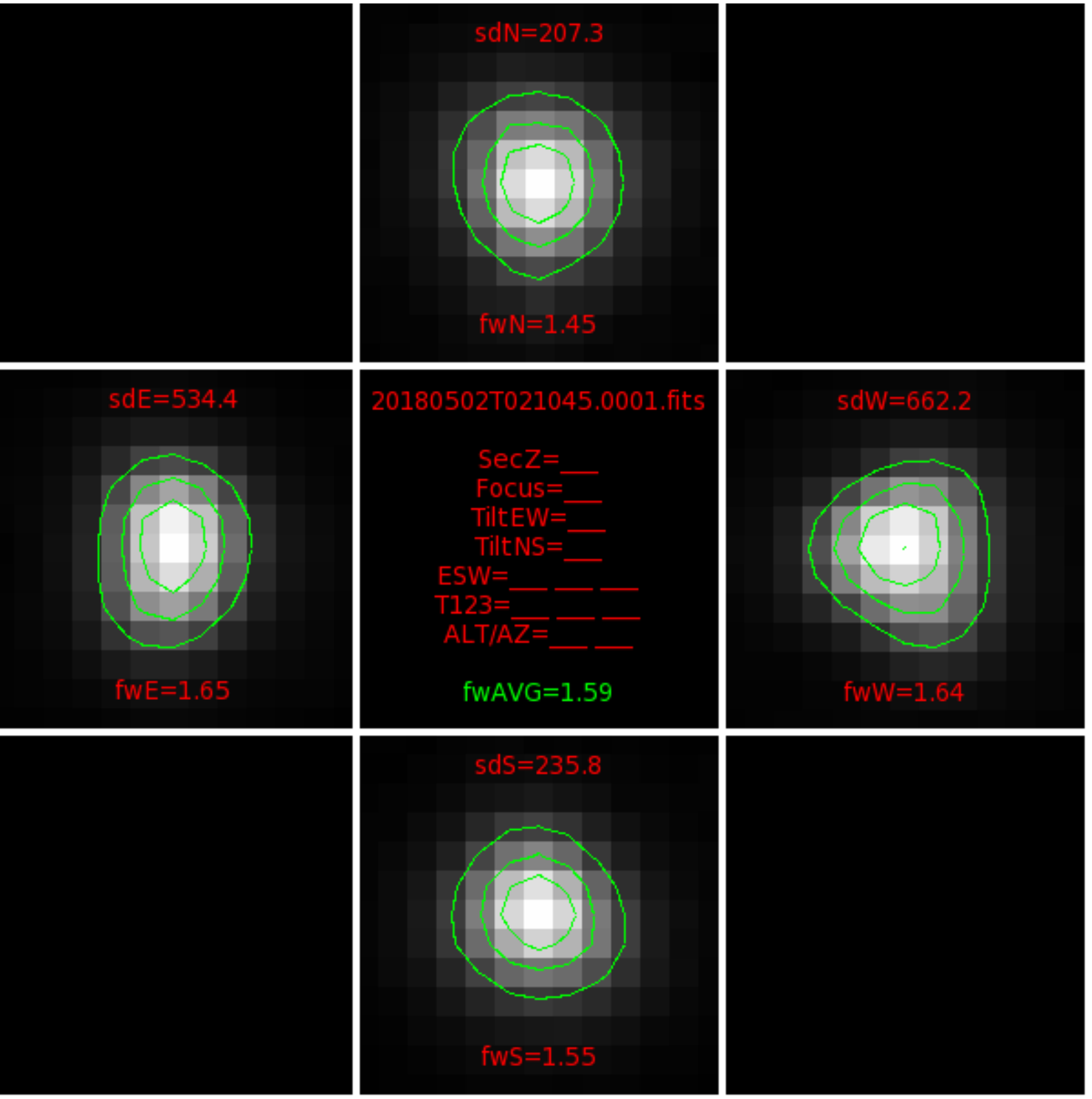
sdN=207.3
fwN=1.45
sdE=534.4
fwE=1.65
20180502T021045.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.59
sdW=662.2
fwW=1.64
sdS=235.8
fwS=1.55
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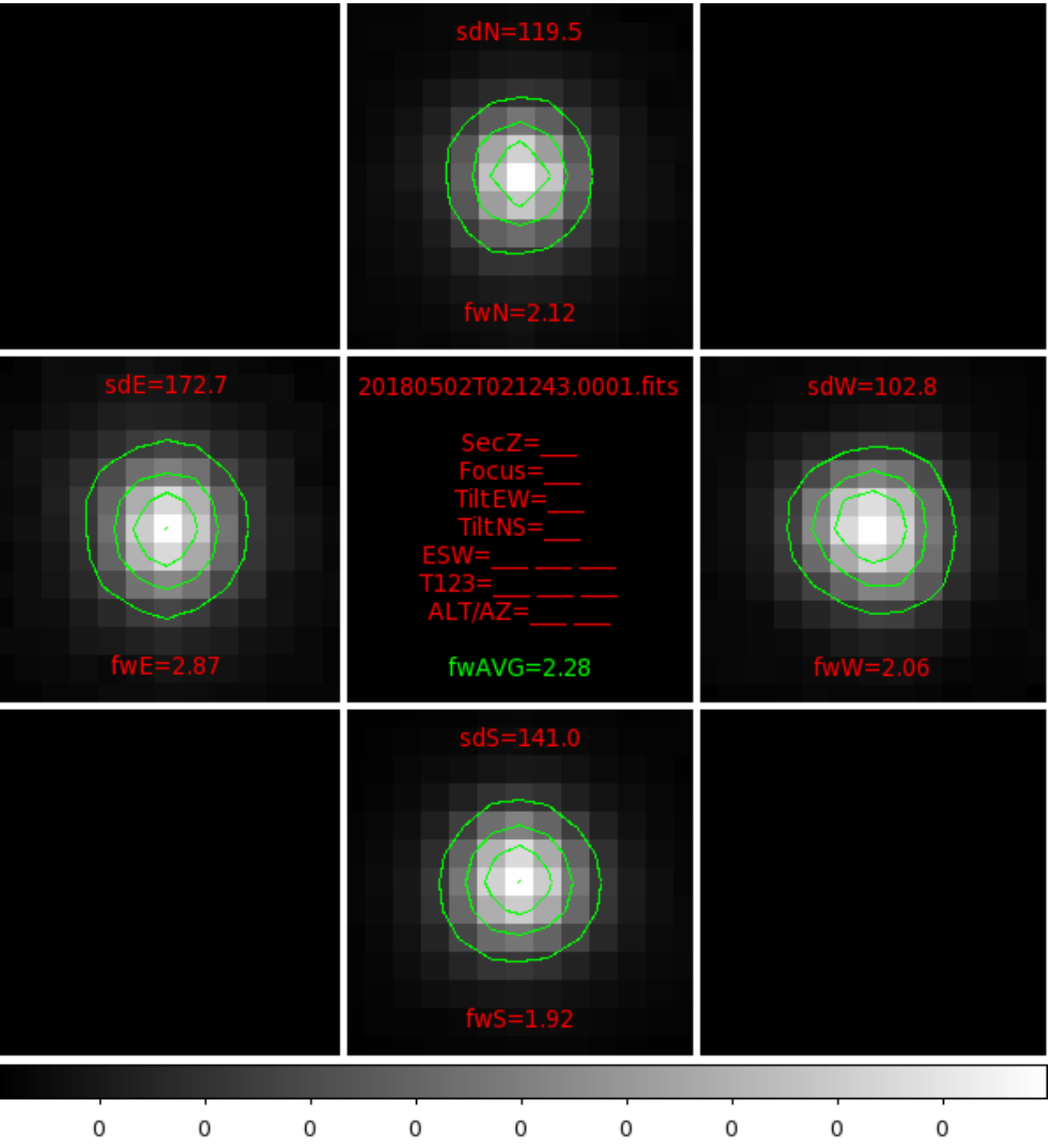
sdN=119.5
fwN=2.12
sdE=172.7
fwE=2.87
20180502T021243.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.28
sdW=102.8
fwW=2.06
sdS=141.0
fwS=1.92
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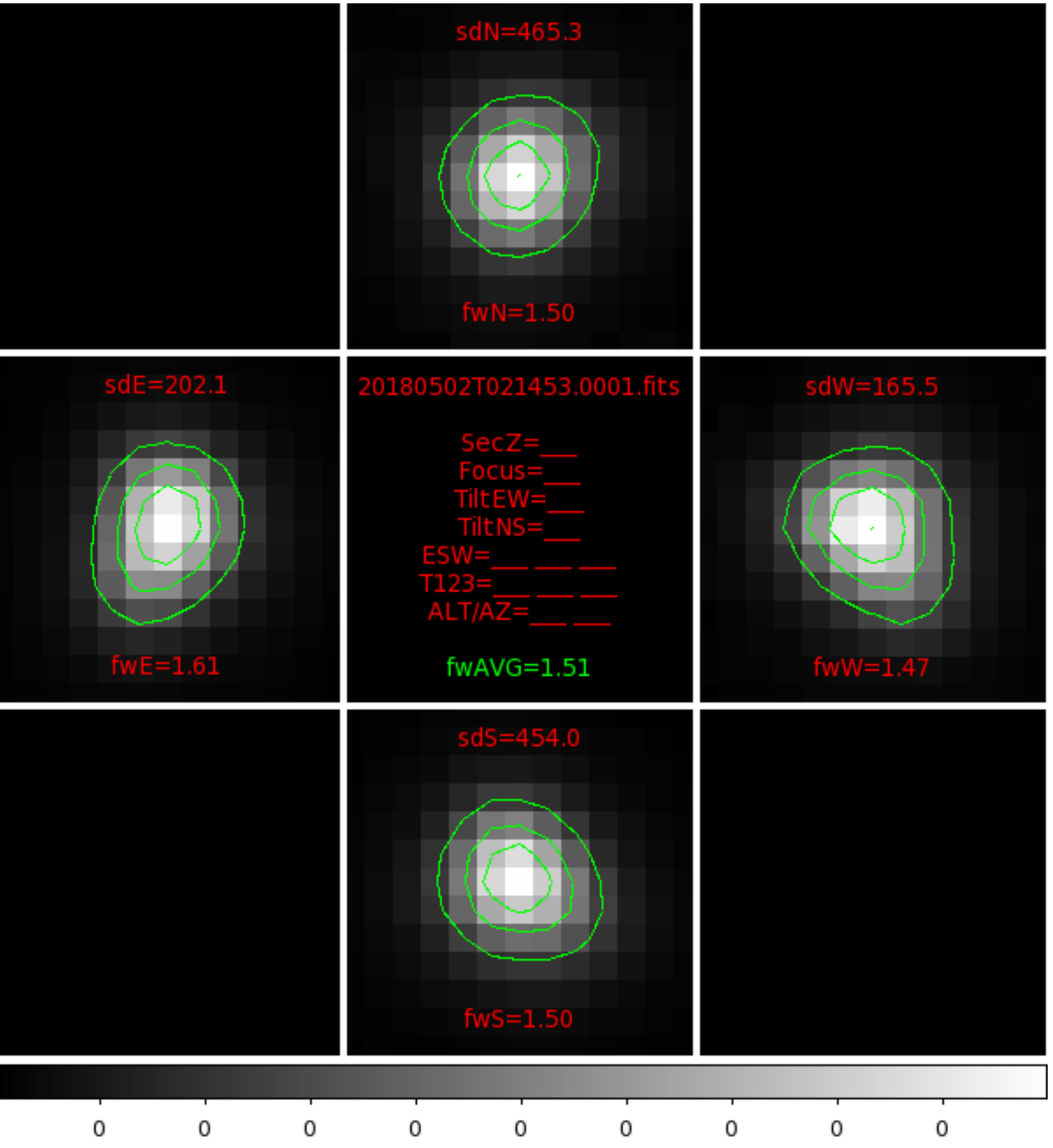
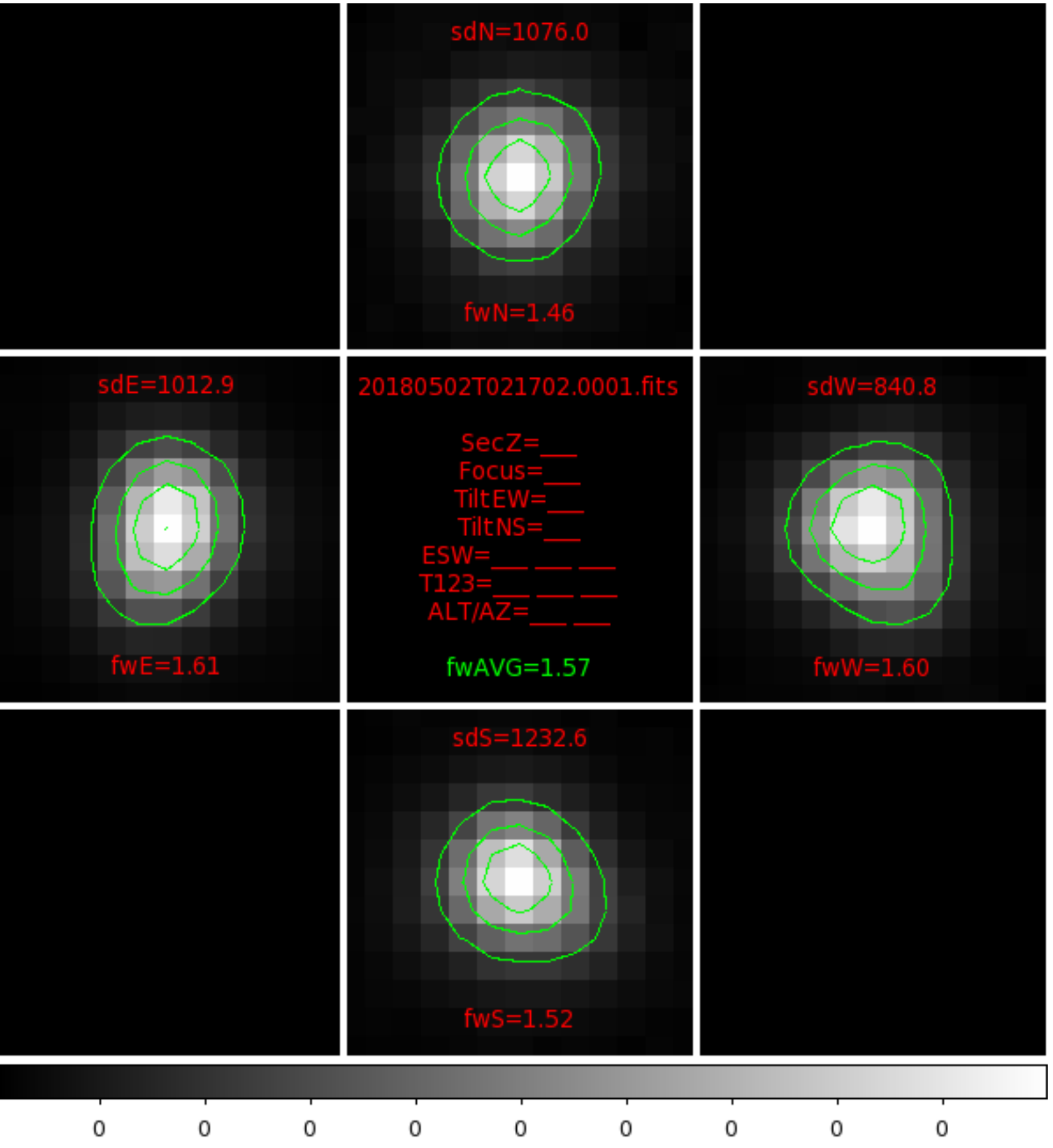

sdN=465.3
fwN=1.50
sdE=202.1
fwE=1.61
20180502T021453.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.51
sdW=165.5
fwW=1.47
sdS=454.0
fwS=1.50
0 0 0 0 0 0 0 0 0


sdN=1076.0
fwN=1.46
sdE=1012.9
fwE=1.61
20180502T021702.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.57
sdW=840.8
fwW=1.60
sdS=1232.6
fwS=1.52
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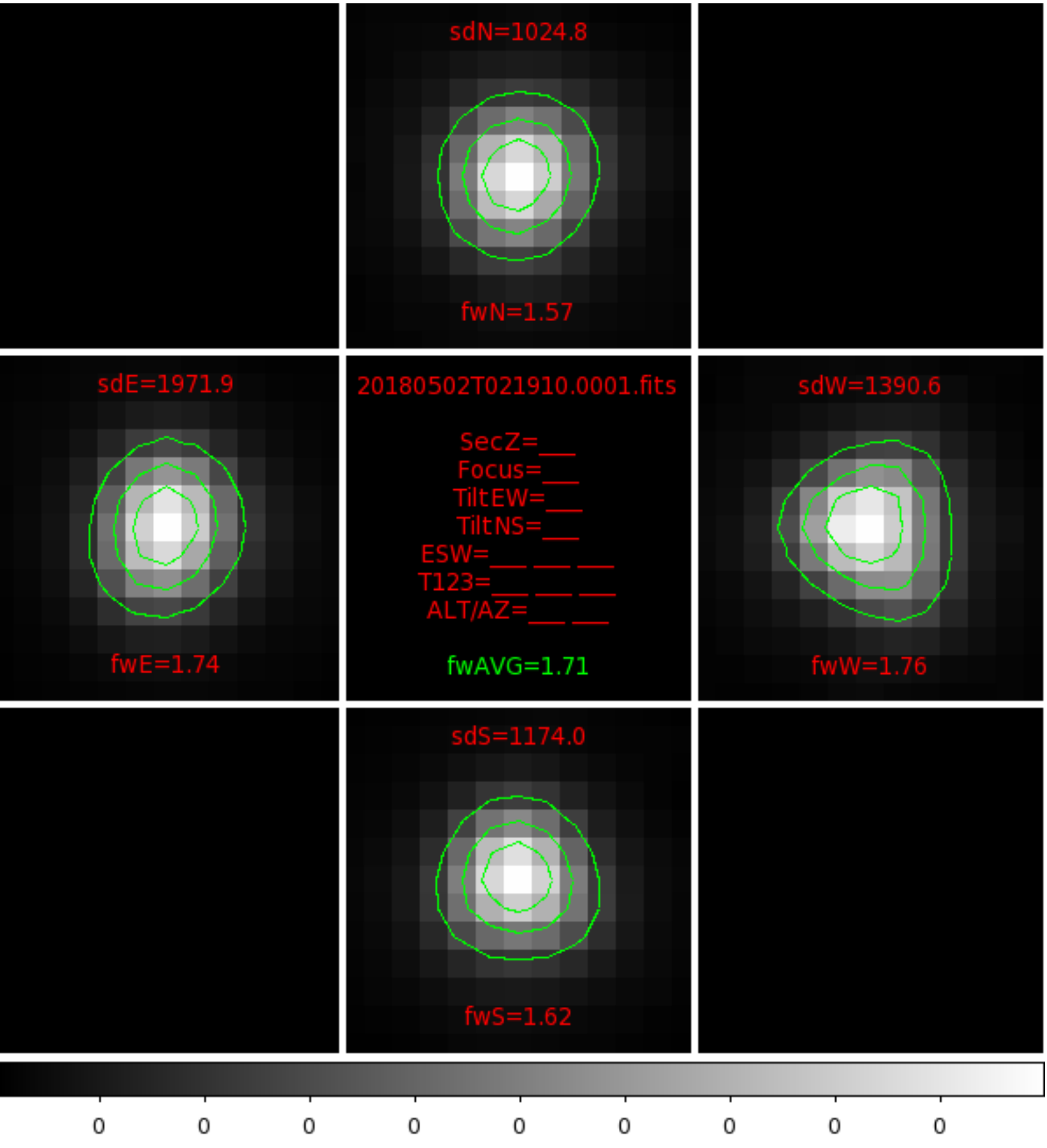
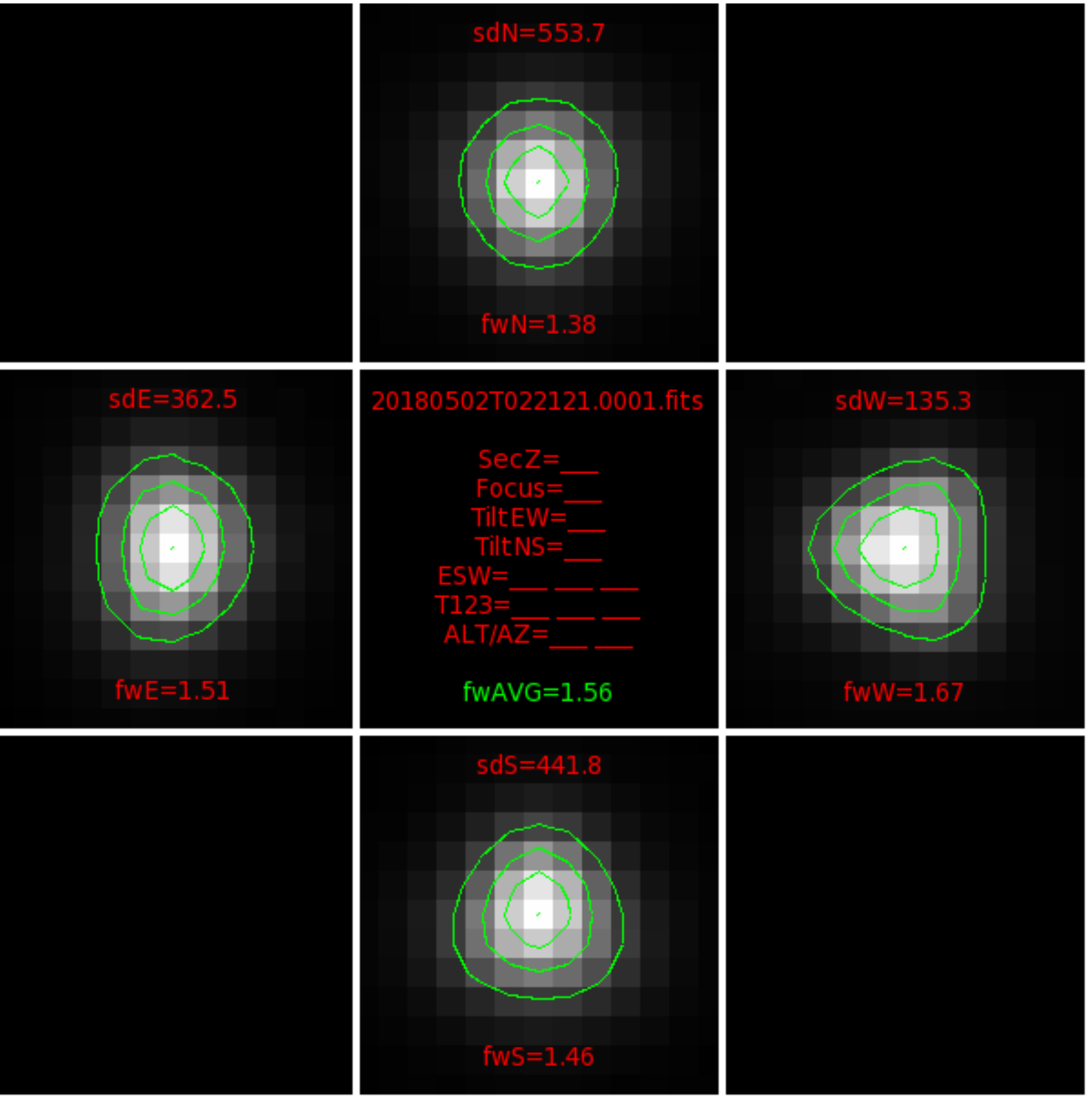
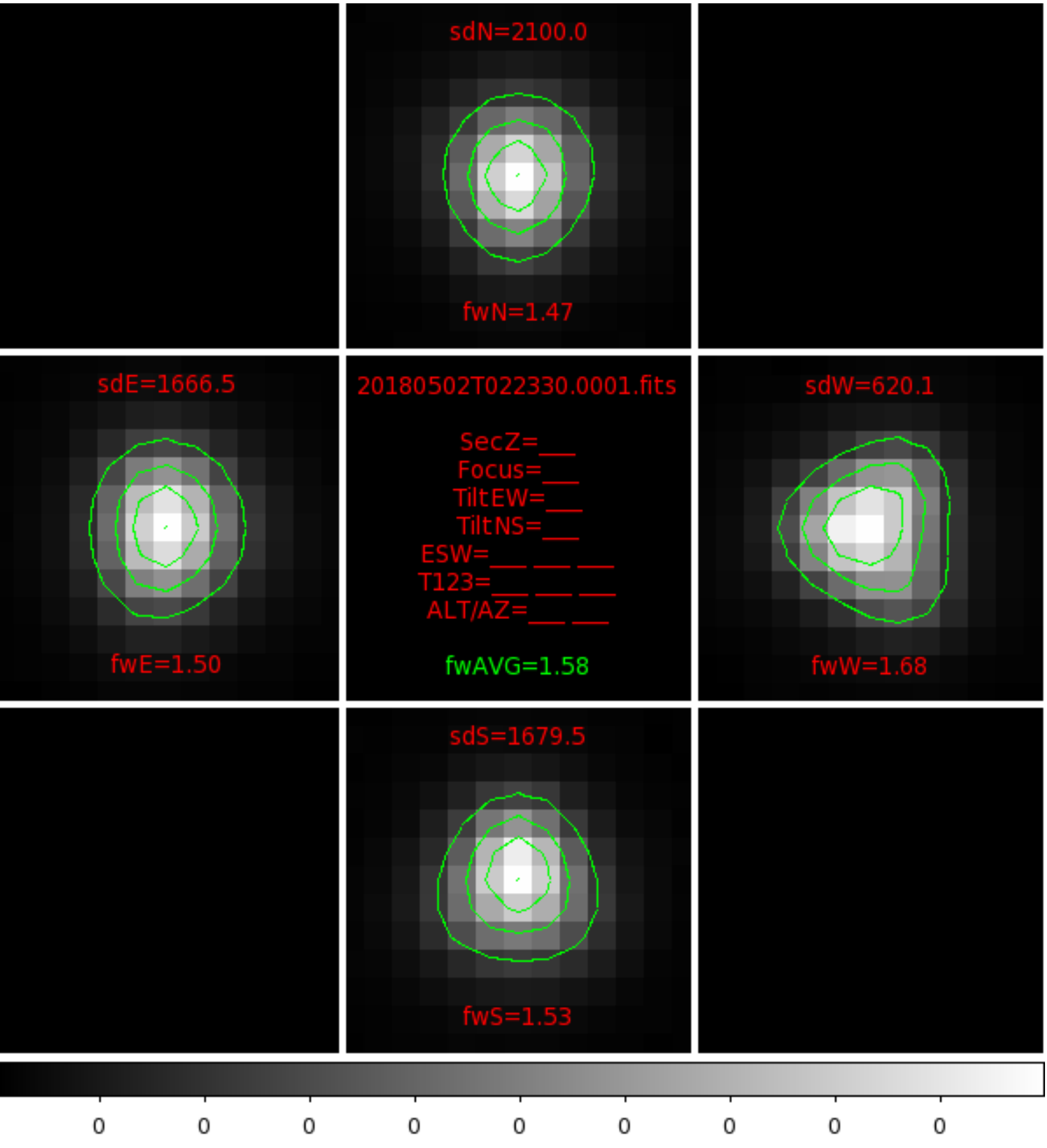
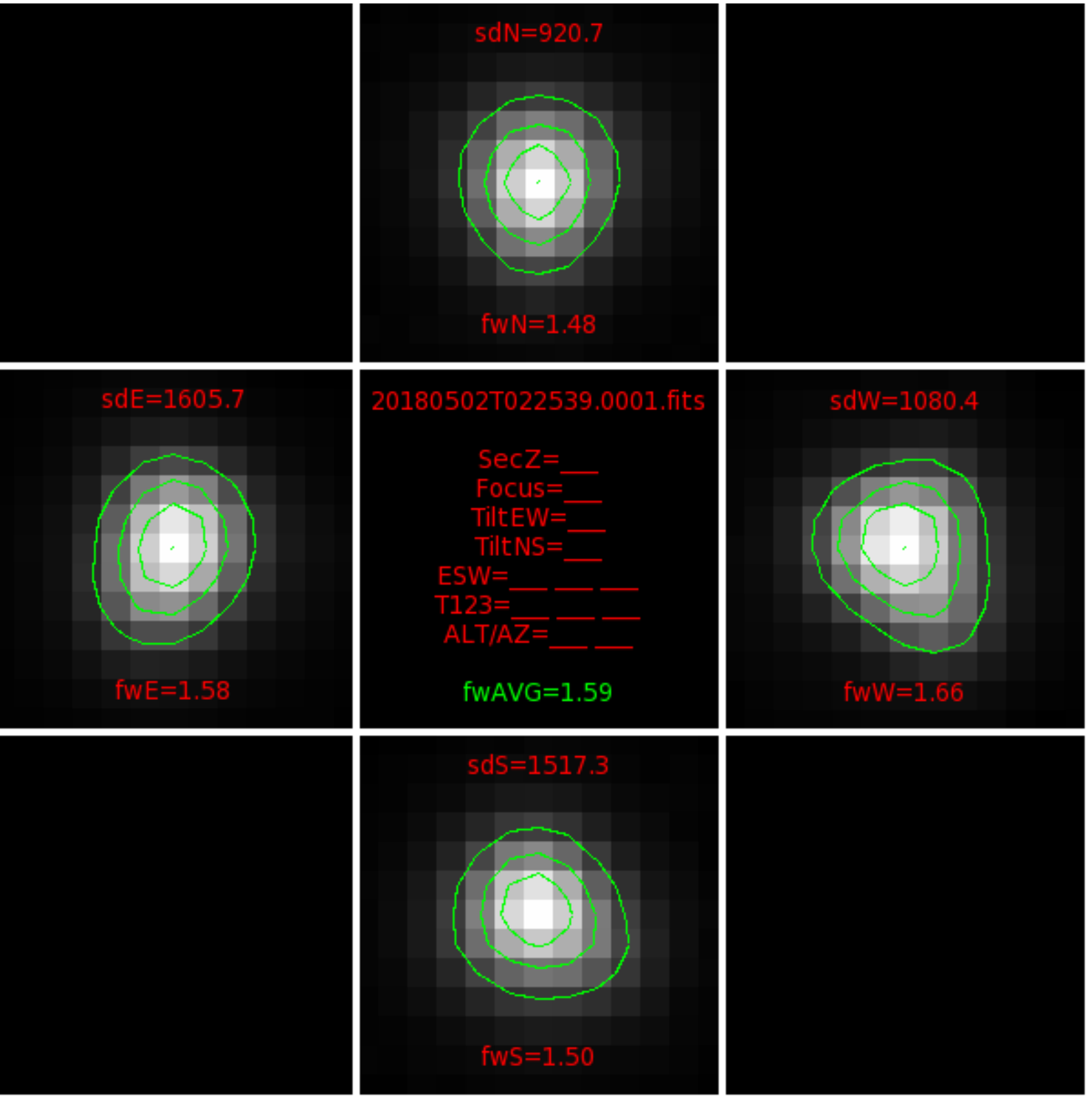
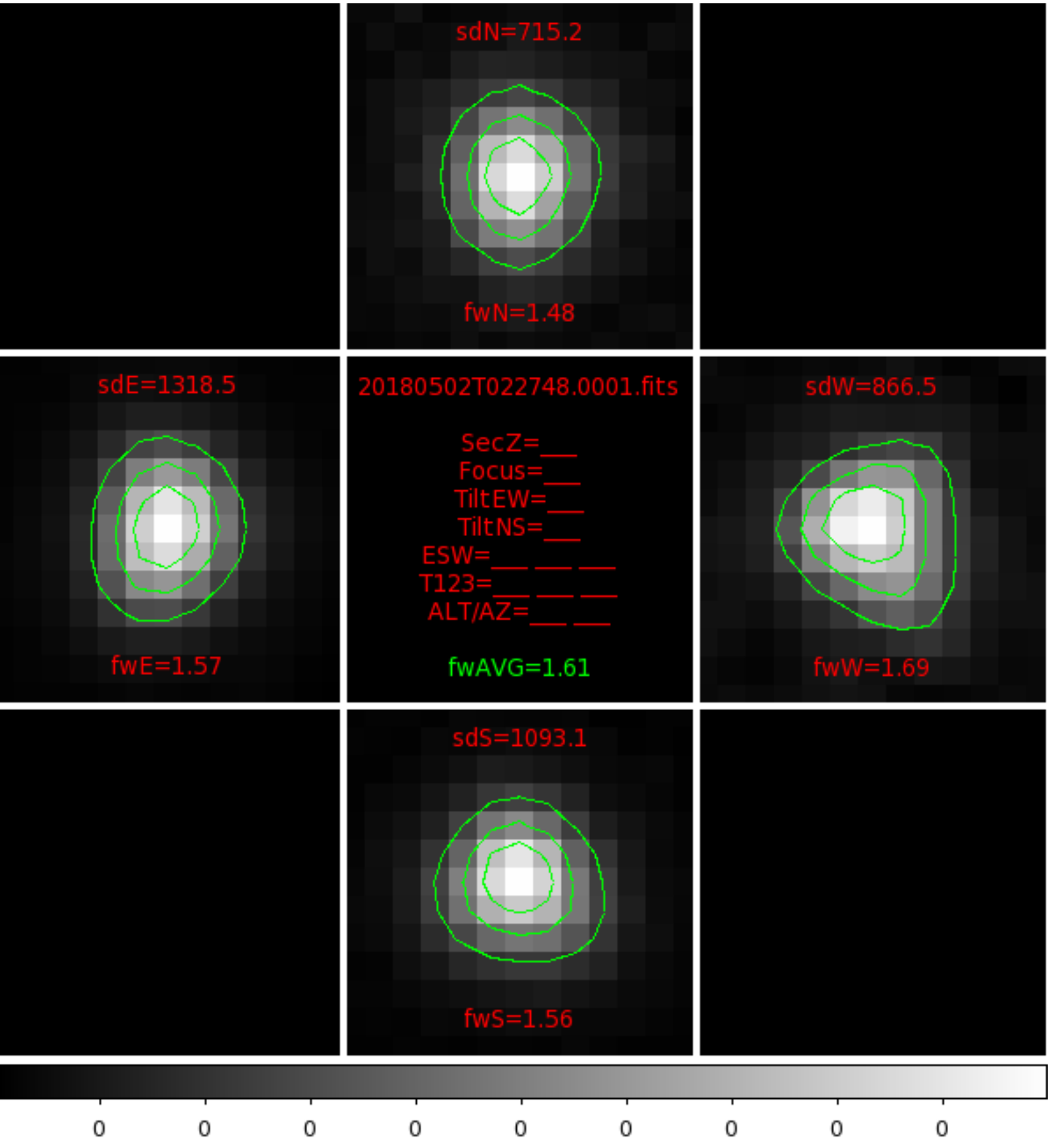
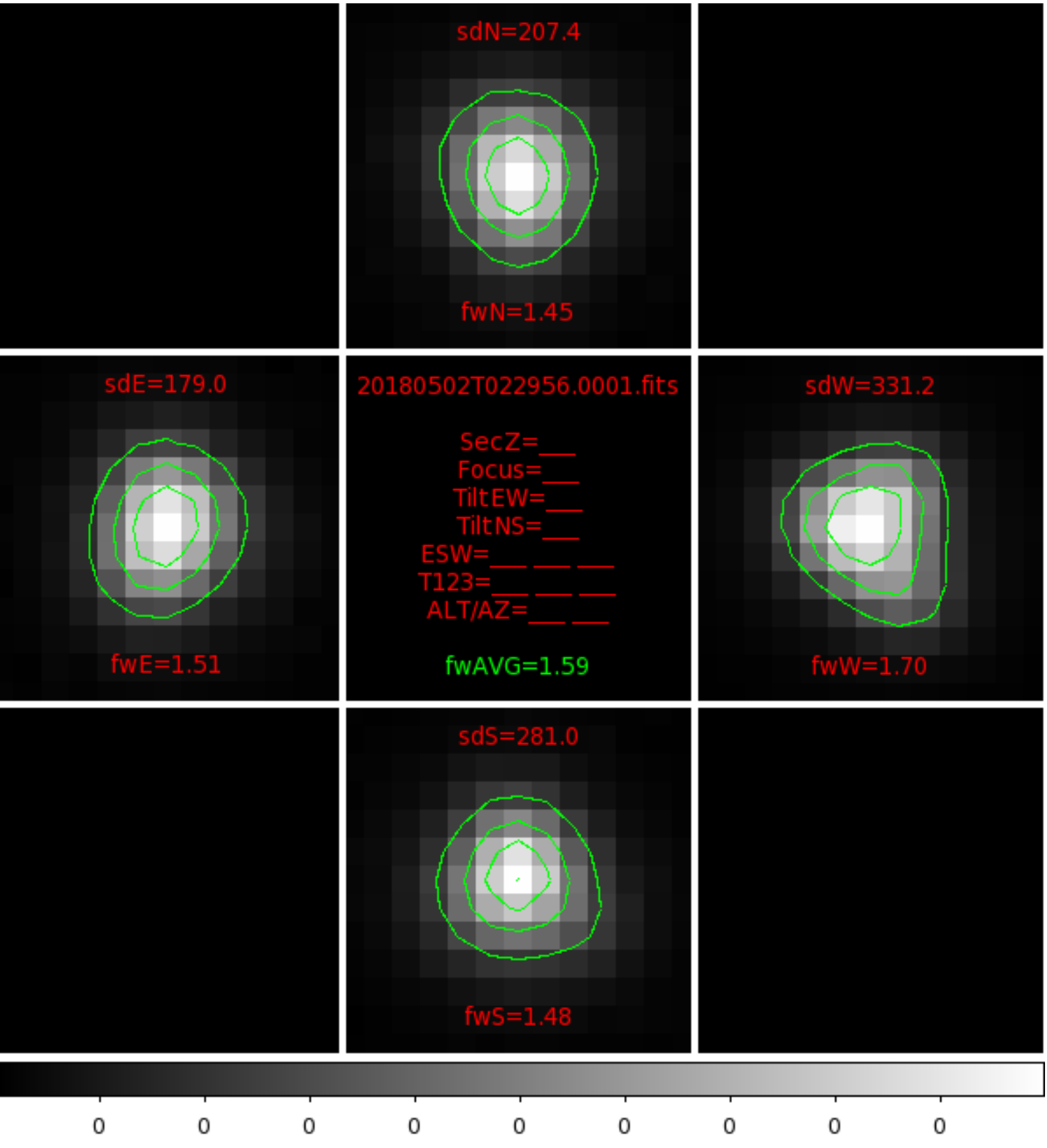

sdN=1024.8
fwN=1.57
sdE=1971.9
fwE=1.74
20180502T021910.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.71
sdW=1390.6
fwW=1.76
sdS=1174.0
fwS=1.62
0 0 0 0 0 0 0 0 0

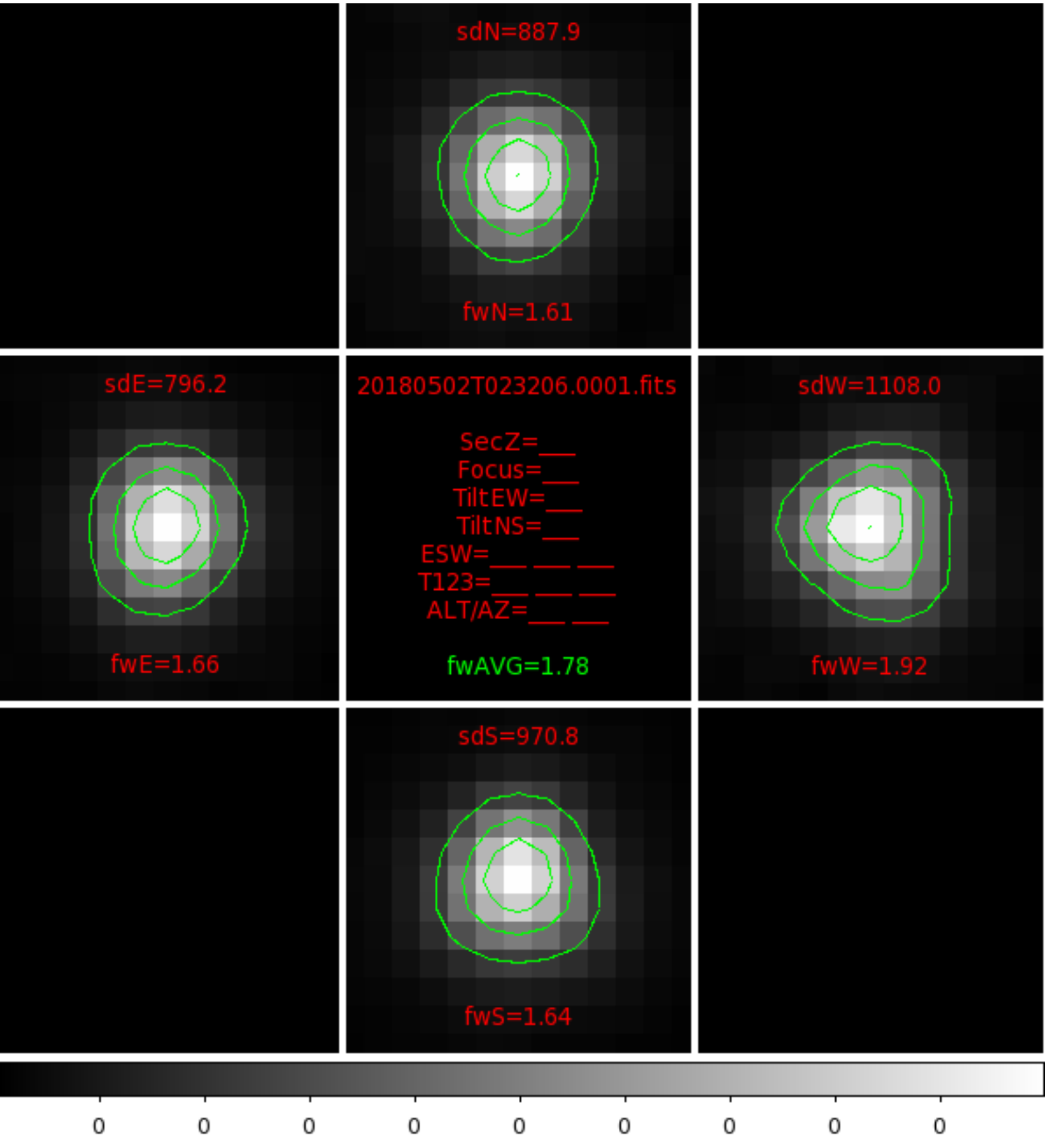

sdN=553.7
fwN=1.38
sdE=362.5
fwE=1.51
20180502T022121.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.56
sdW=135.3
fwW=1.67
sdS=441.8
fwS=1.46
0 0 0 0 0 0 0 0 0

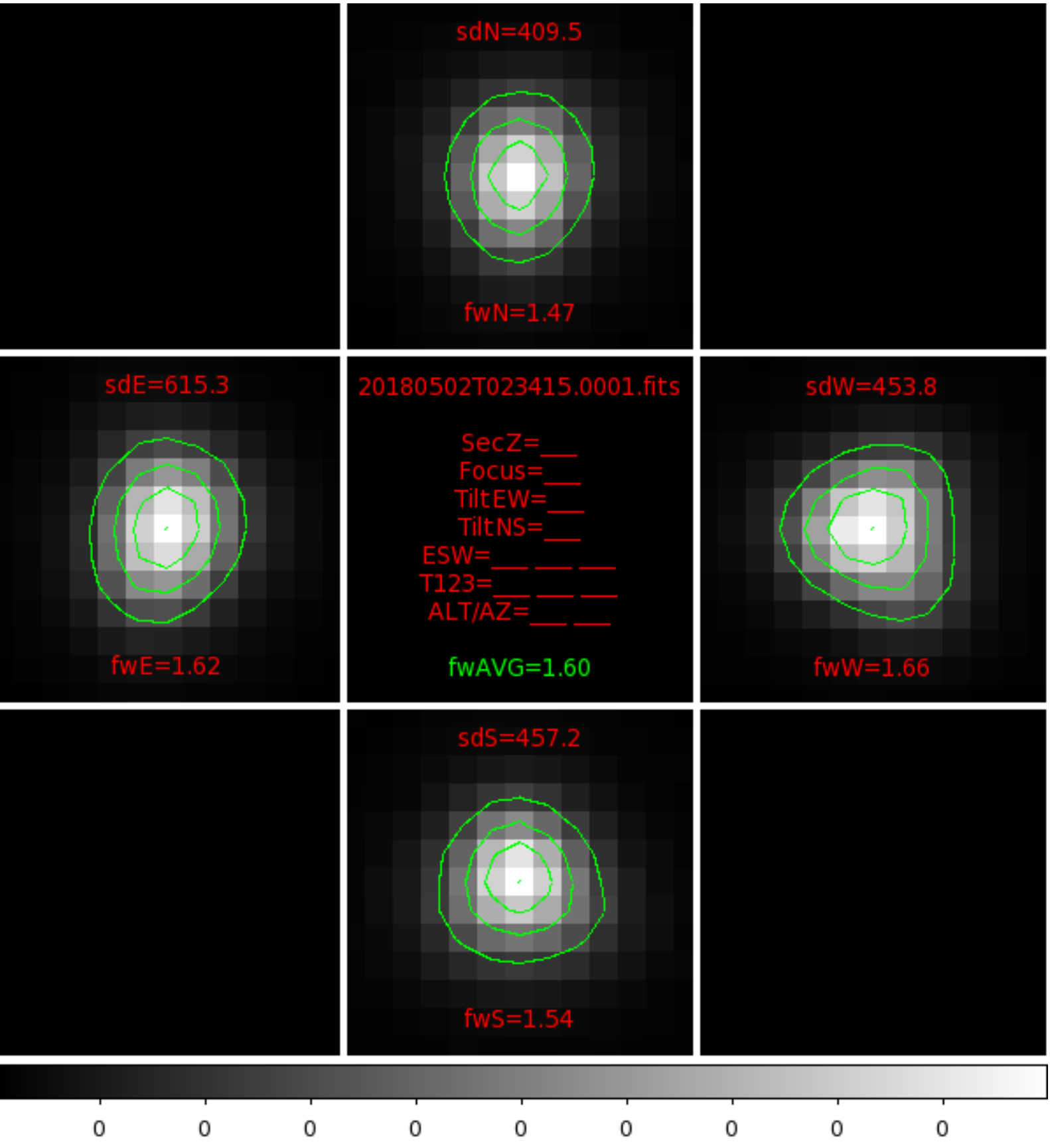

sdN=2100.0
fwN=1.47
sdE=1666.5
fwE=1.50
20180502T022330.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.58
sdW=620.1
fwW=1.68
sdS=1679.5
fwS=1.53
0 0 0 0 0 0 0 0 0

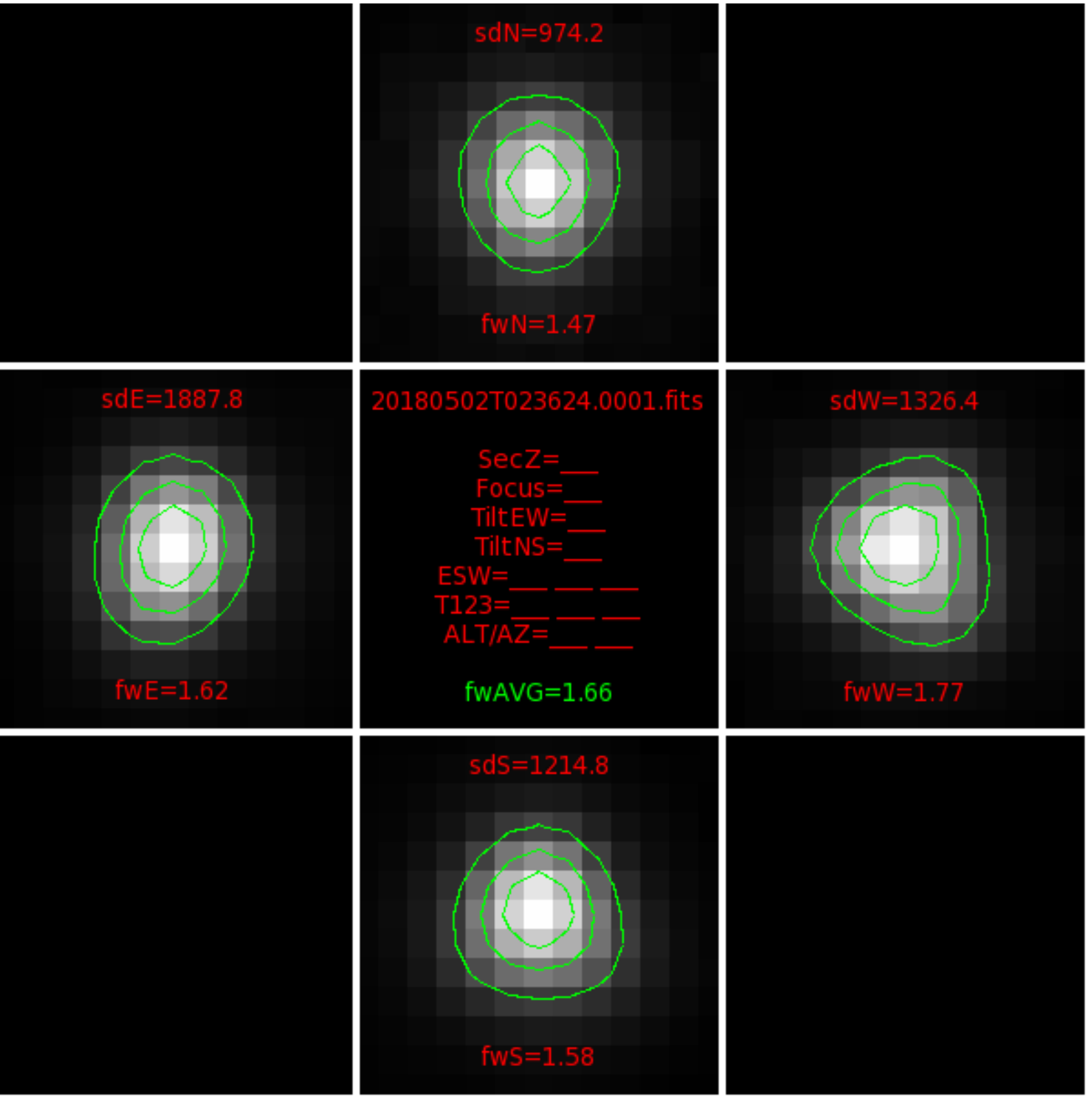

sdN=920.7
fwN=1.48
sdE=1605.7
fwE=1.58
20180502T022539.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.59
sdW=1080.4
fwW=1.66
sdS=1517.3
fwS=1.50
0 0 0 0 0 0 0 0 0


sdN=715.2
fwN=1.48
sdE=1318.5
fwE=1.57
20180502T022748.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.61
sdW=866.5
fwW=1.69
sdS=1093.1
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=207.4
fwN=1.45
sdE=179.0
fwE=1.51
20180502T022956.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.59
sdW=331.2
fwW=1.70
sdS=281.0
fwS=1.48
0 0 0 0 0 0 0 0 0


sdN=887.9
fwN=1.61
sdE=796.2
fwE=1.66
20180502T023206.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.78
sdW=1108.0
fwW=1.92
sdS=970.8
fwS=1.64
0 0 0 0 0 0 0 0 0


sdN=409.5
fwN=1.47
sdE=615.3
fwE=1.62
20180502T023415.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.60
sdW=453.8
fwW=1.66
sdS=457.2
fwS=1.54
0 0 0 0 0 0 0 0 0


sdN=974.2
fwN=1.47
sdE=1887.8
fwE=1.62
20180502T023624.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.66
sdW=1326.4
fwW=1.77
sdS=1214.8
fwS=1.58
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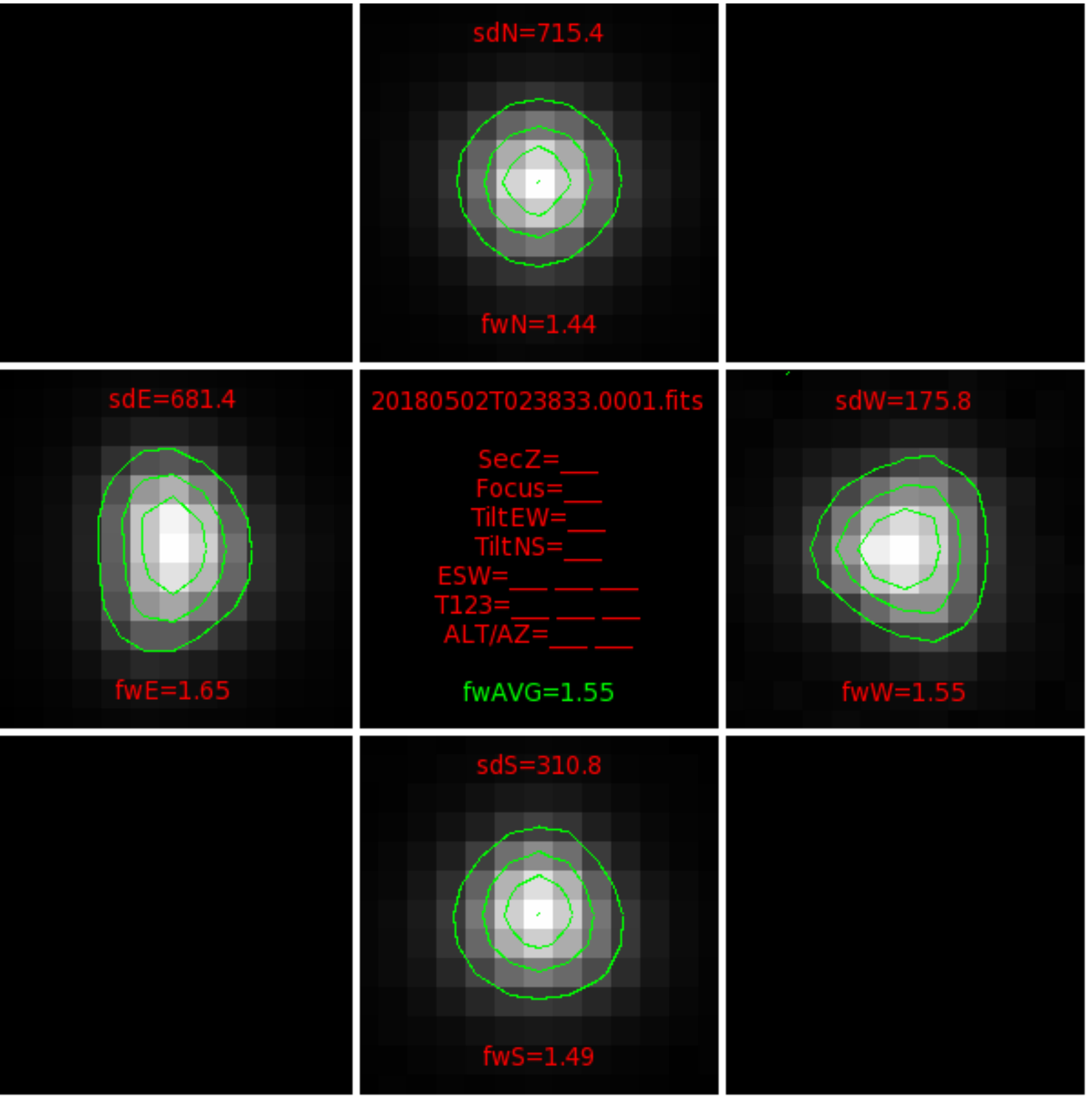
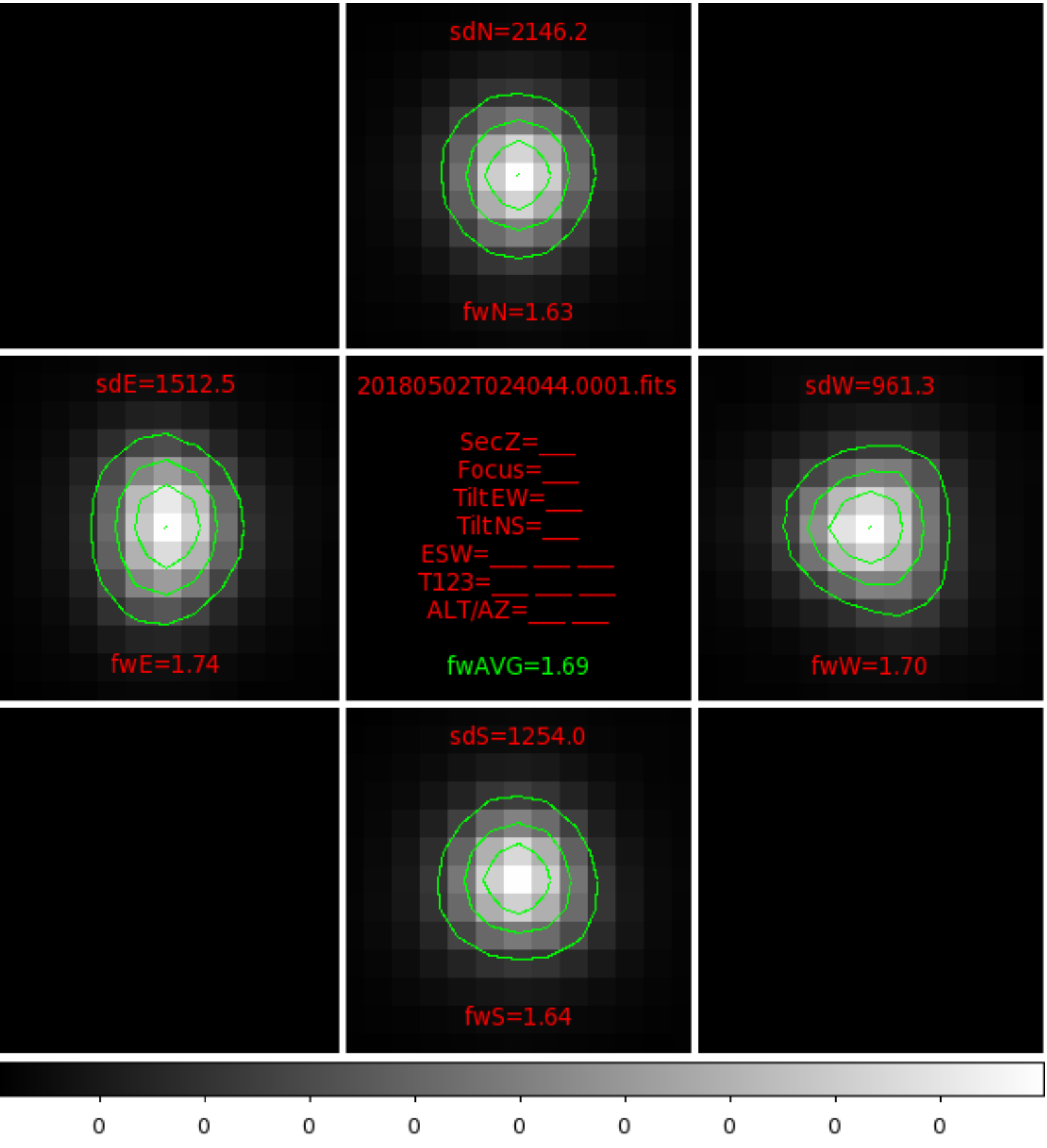

sdN=715.4
fwN=1.44
sdE=681.4
fwE=1.65
20180502T023833.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.55
sdW=175.8
fwW=1.55
sdS=310.8
fwS=1.49
0 0 0 0 0 0 0 0 0


sdN=2146.2
fwN=1.63
sdE=1512.5
fwE=1.74
20180502T024044.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.69
sdW=961.3
fwW=1.70
sdS=1254.0
fwS=1.64
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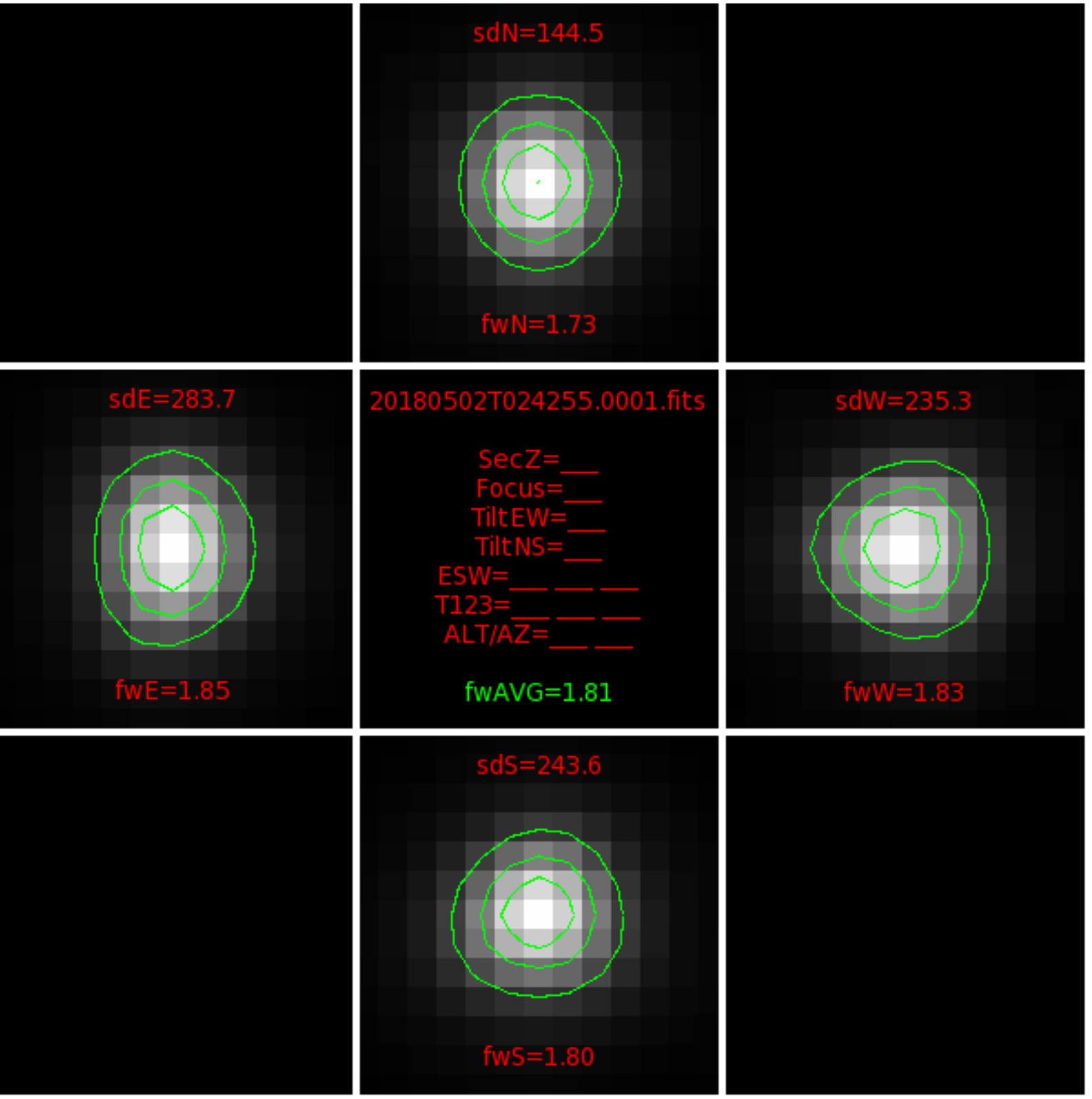
sdN=144.5
fwN=1.73
sdE=283.7
fwE=1.85
20180502T024255.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.81
sdW=235.3
fwW=1.83
sdS=243.6
fwS=1.80
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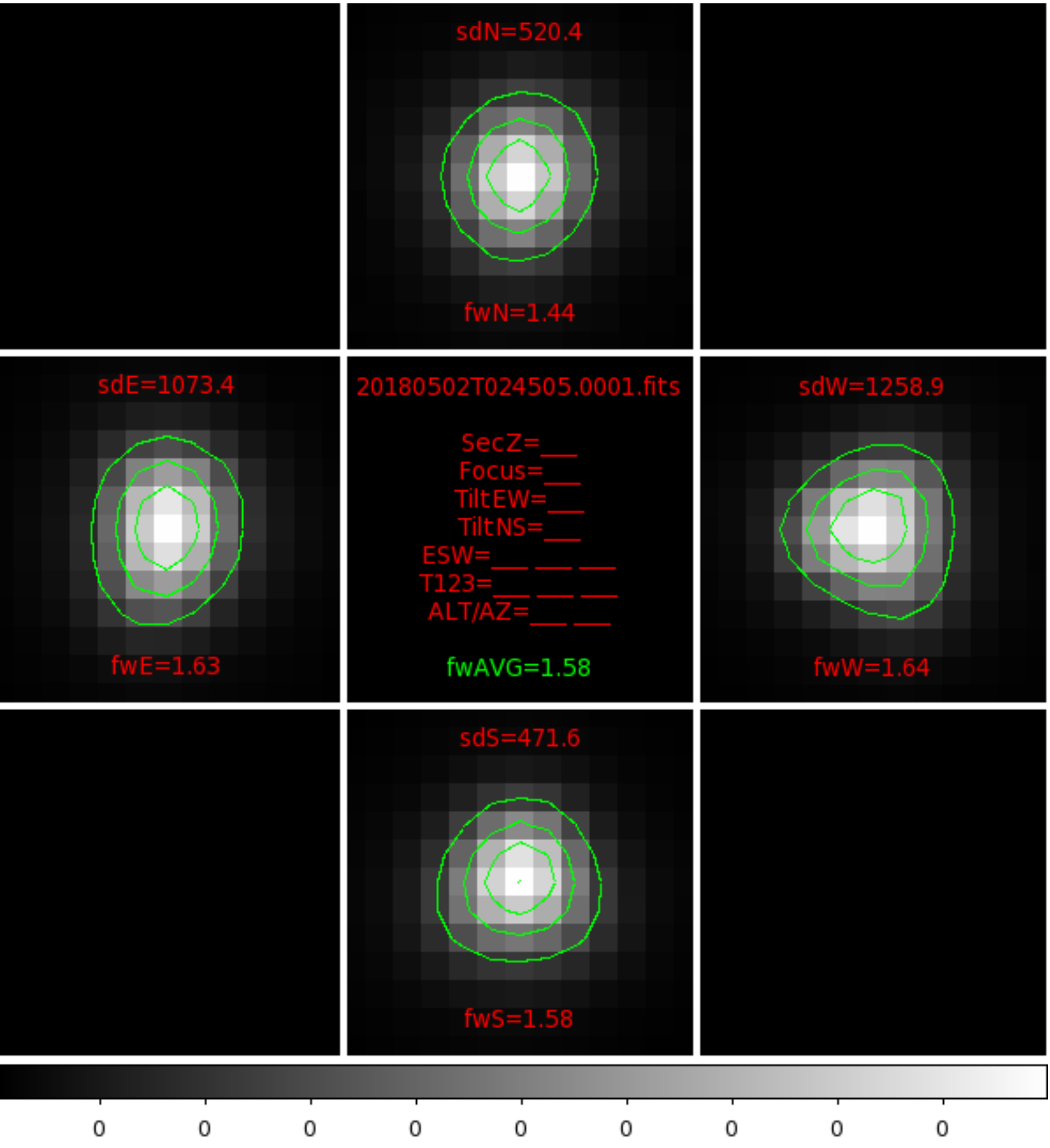
sdN=520.4
fwN=1.44
sdE=1073.4
fwE=1.63
20180502T024505.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.58
sdW=1258.9
fwW=1.64
sdS=471.6
fwS=1.58
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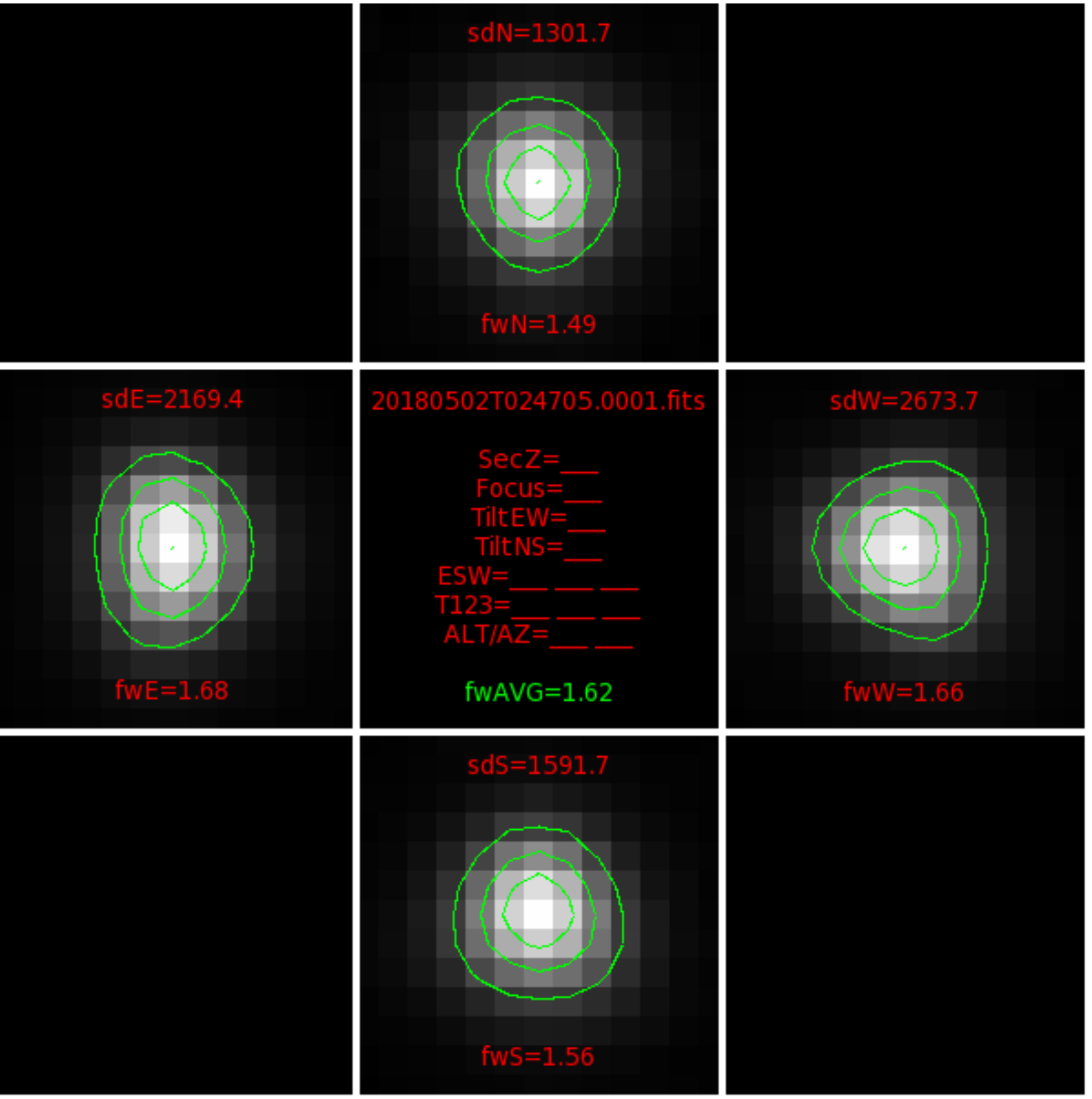
sdN=1301.7
fwN=1.49
sdE=2169.4
fwE=1.68
20180502T024705.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.62
sdW=2673.7
fwW=1.66
sdS=1591.7
fwS=1.56
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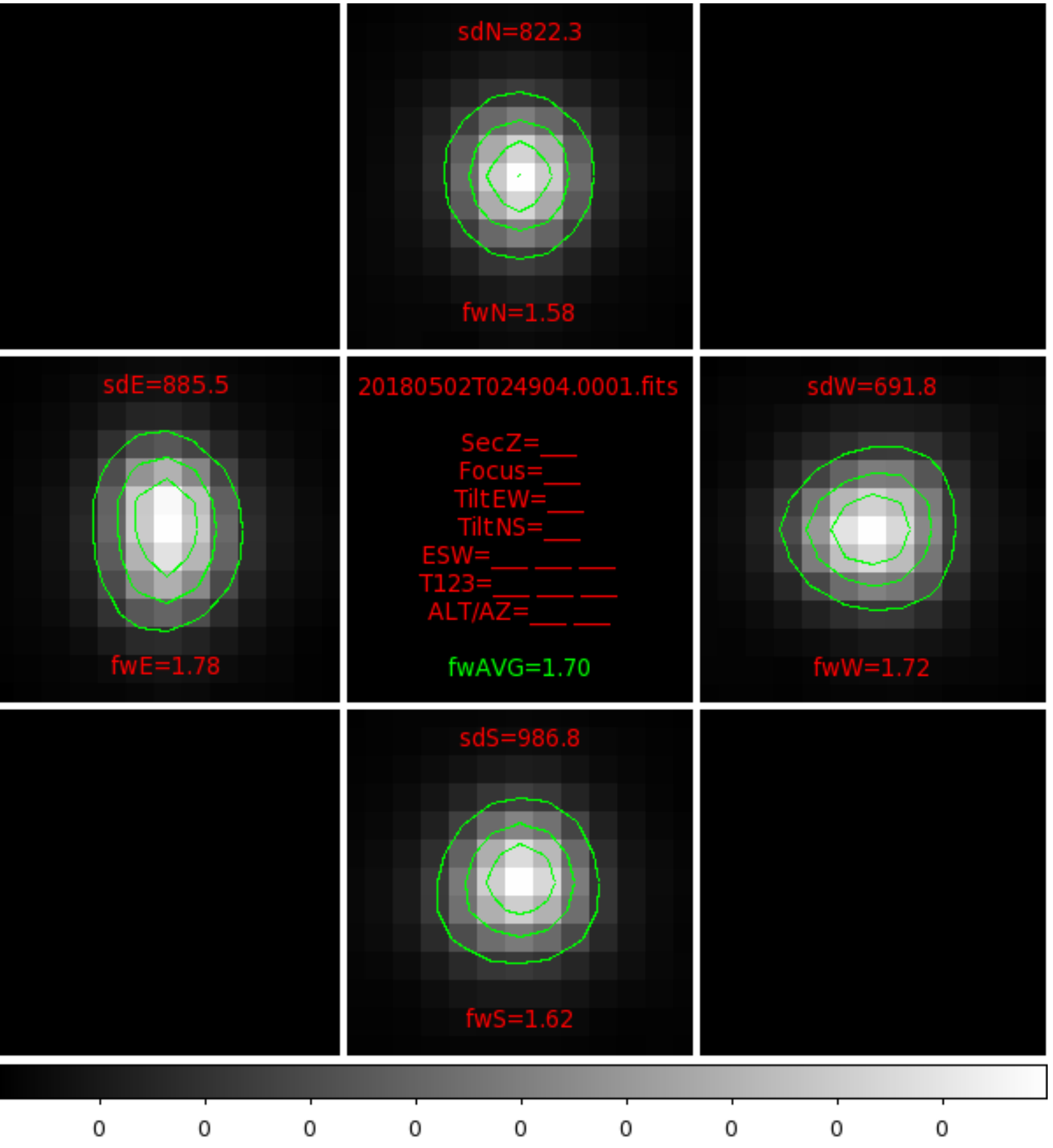
sdN=822.3
fwN=1.58
sdE=885.5
fwE=1.78
20180502T024904.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.70
sdW=691.8
fwW=1.72
sdS=986.8
fwS=1.62
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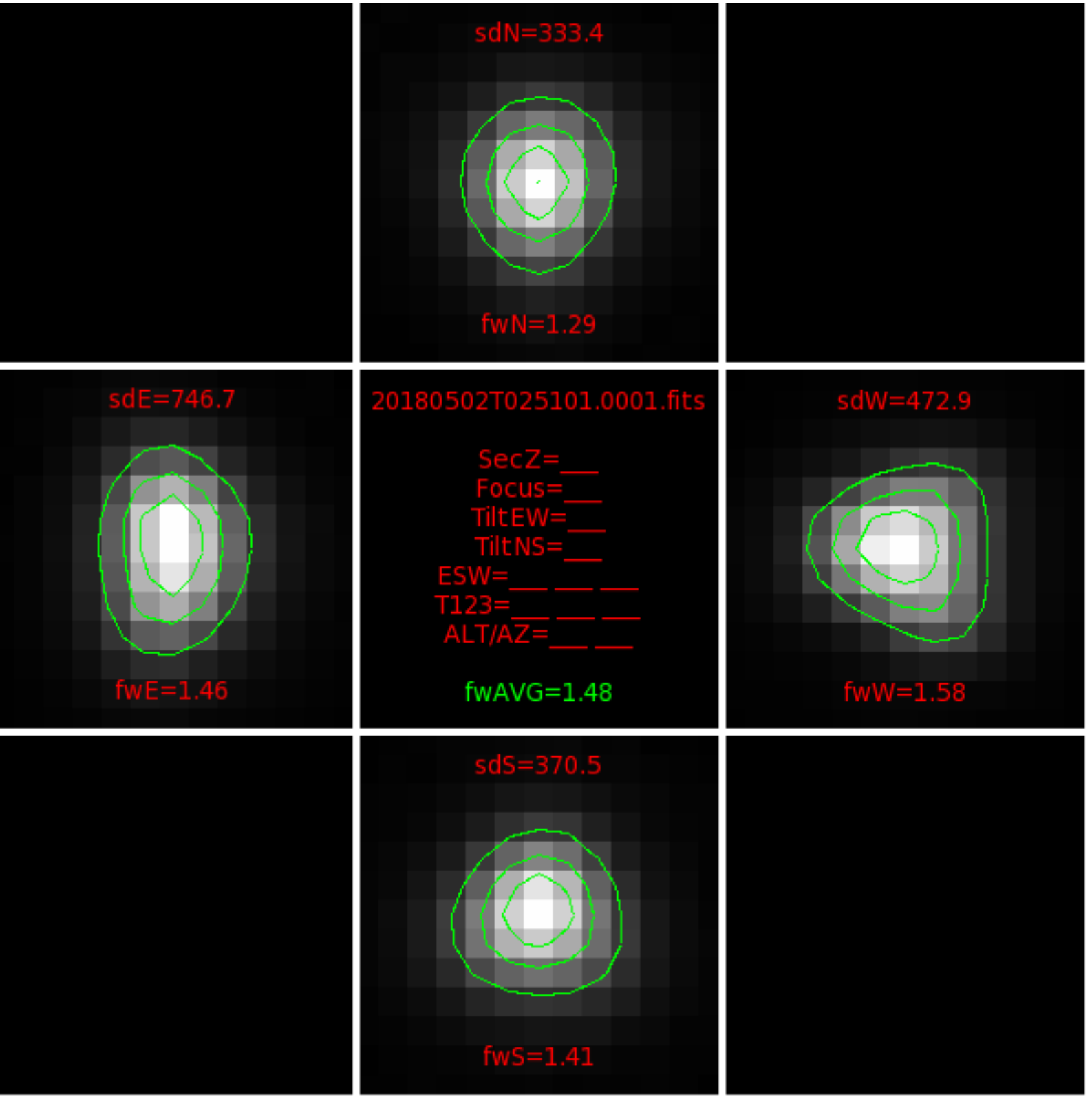
sdN=333.4
fwN=1.29
sdE=746.7
fwE=1.46
20180502T025101.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.48
sdW=472.9
fwW=1.58
sdS=370.5
fwS=1.41
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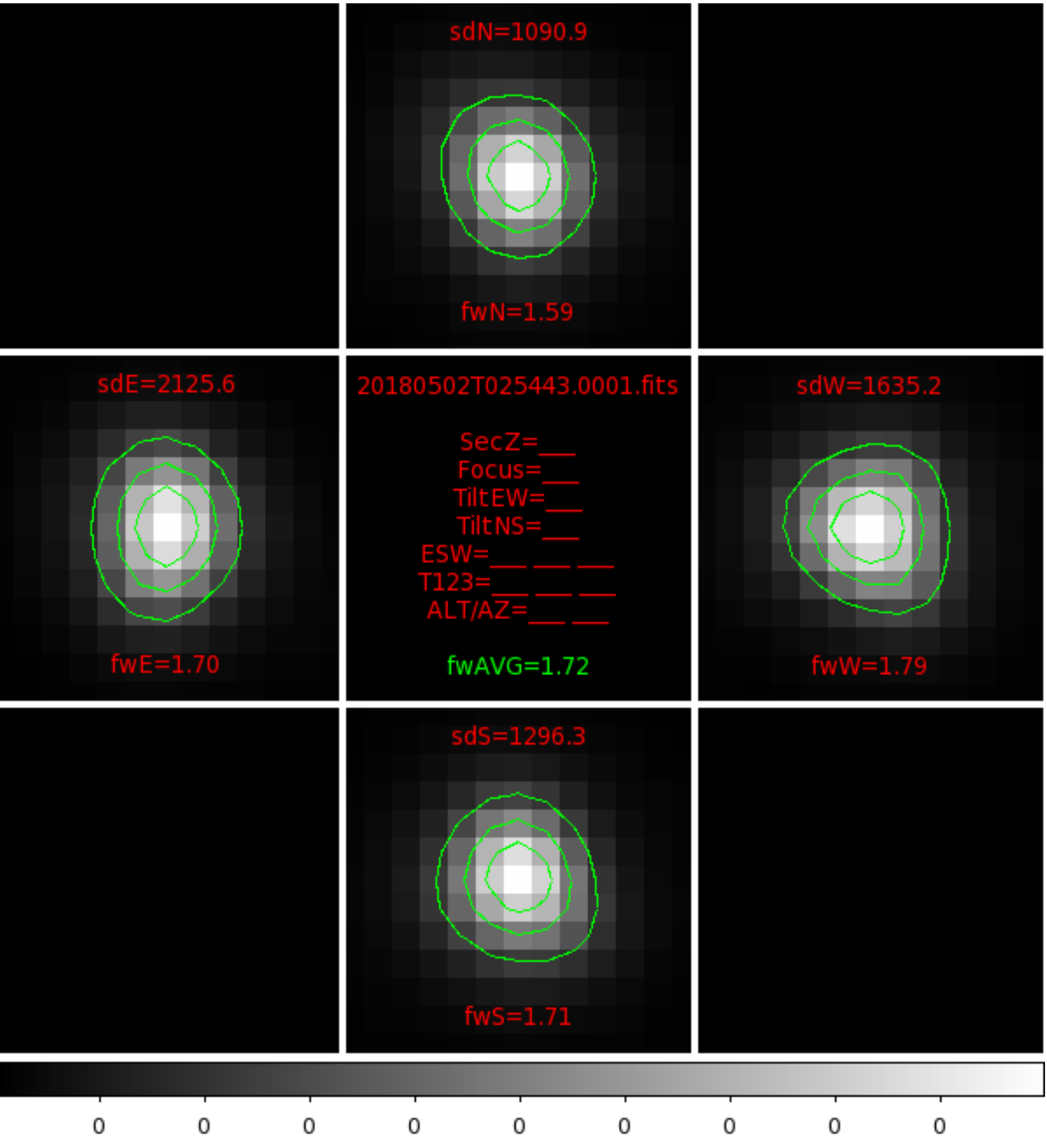
sdN=1090.9
fwN=1.59
sdE=2125.6
fwE=1.70
20180502T025443.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.72
sdW=1635.2
fwW=1.79
sdS=1296.3
fwS=1.71
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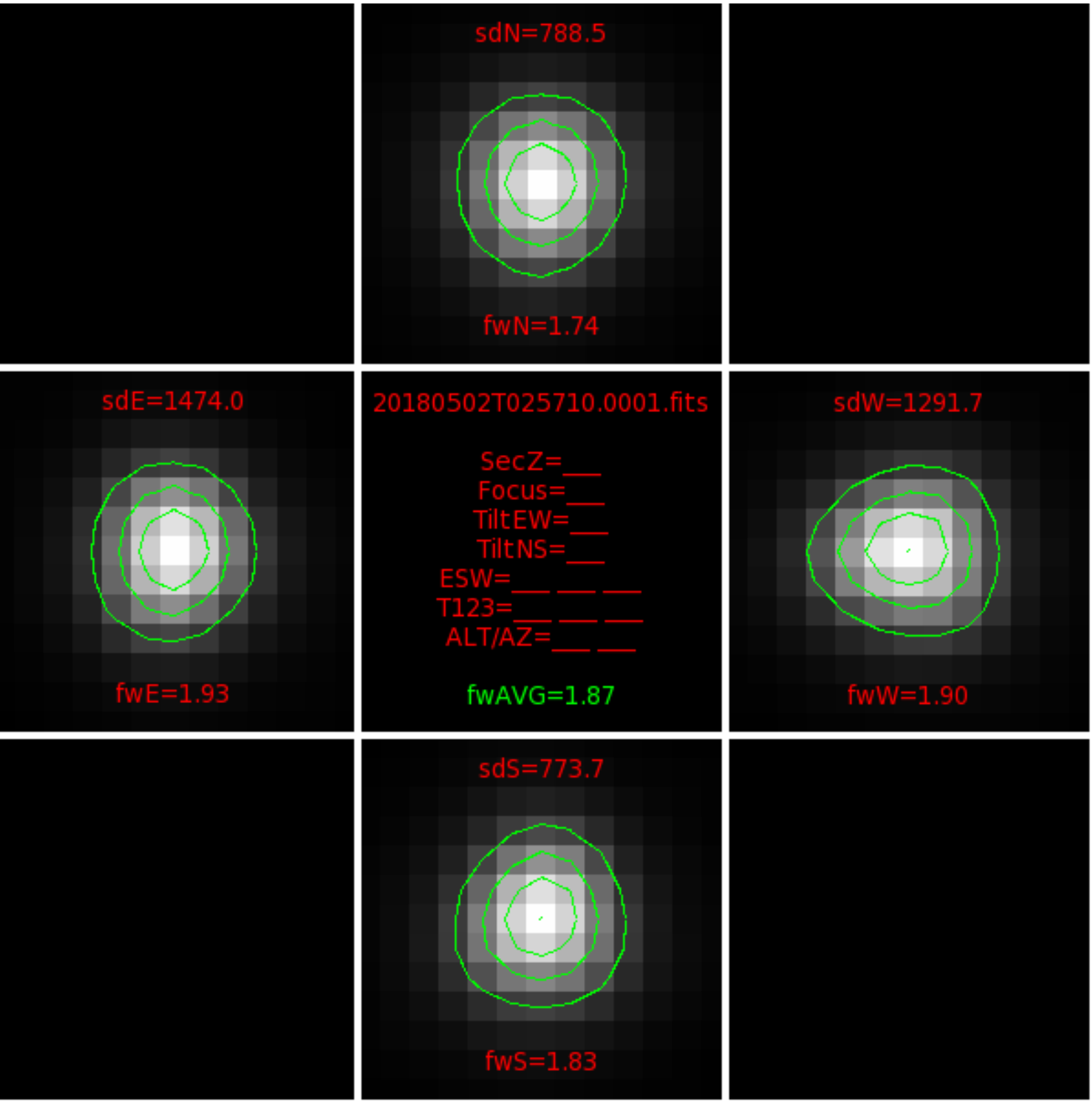
sdN=788.5
fwN=1.74
sdE=1474.0
fwE=1.93
20180502T025710.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.87
sdW=1291.7
fwW=1.90
sdS=773.7
fwS=1.83
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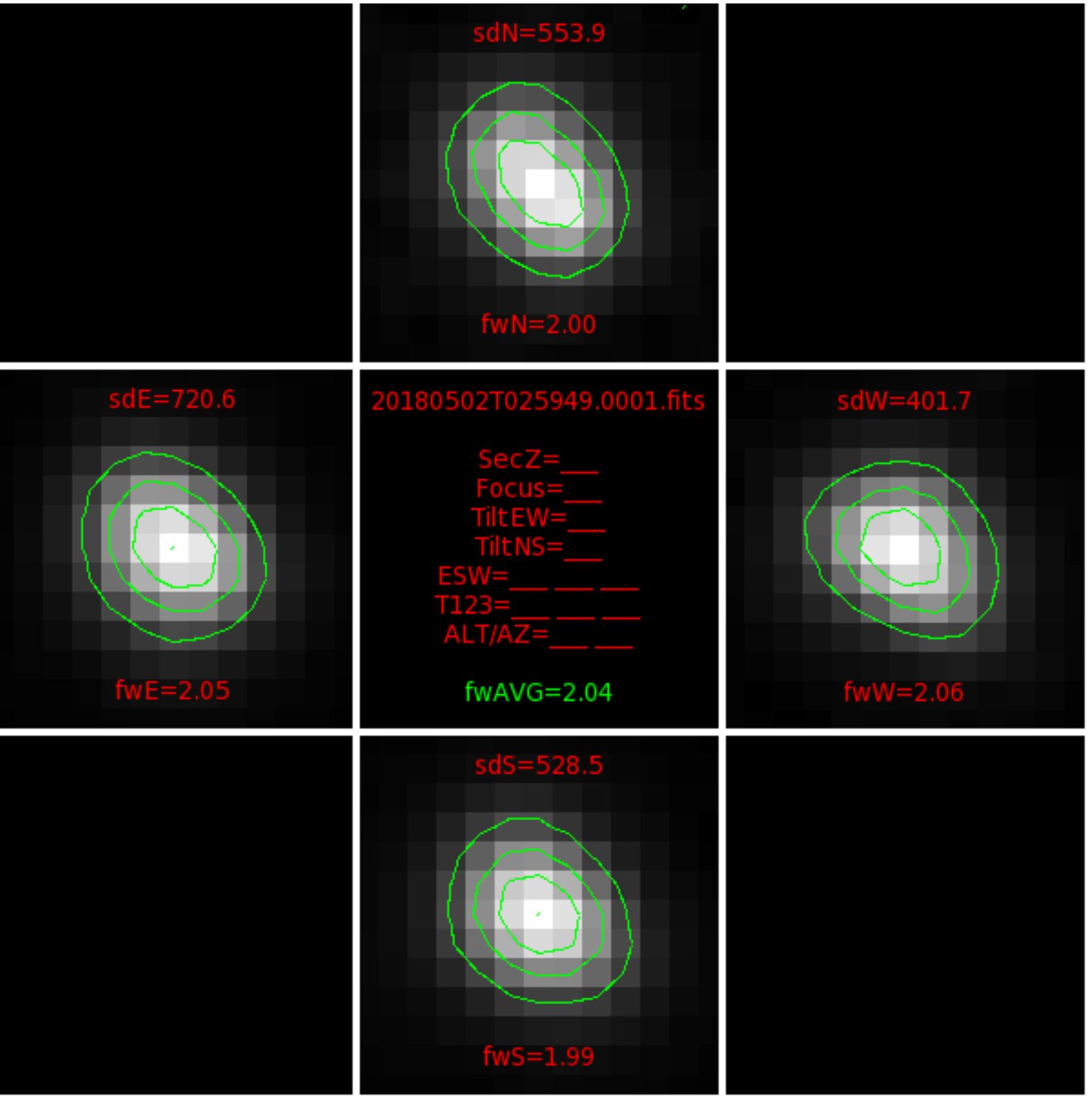
sdN=553.9
fwN=2.00
sdE=720.6
fwE=2.05
20180502T025949.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.04
sdW=401.7
fwW=2.06
sdS=528.5
fwS=1.99
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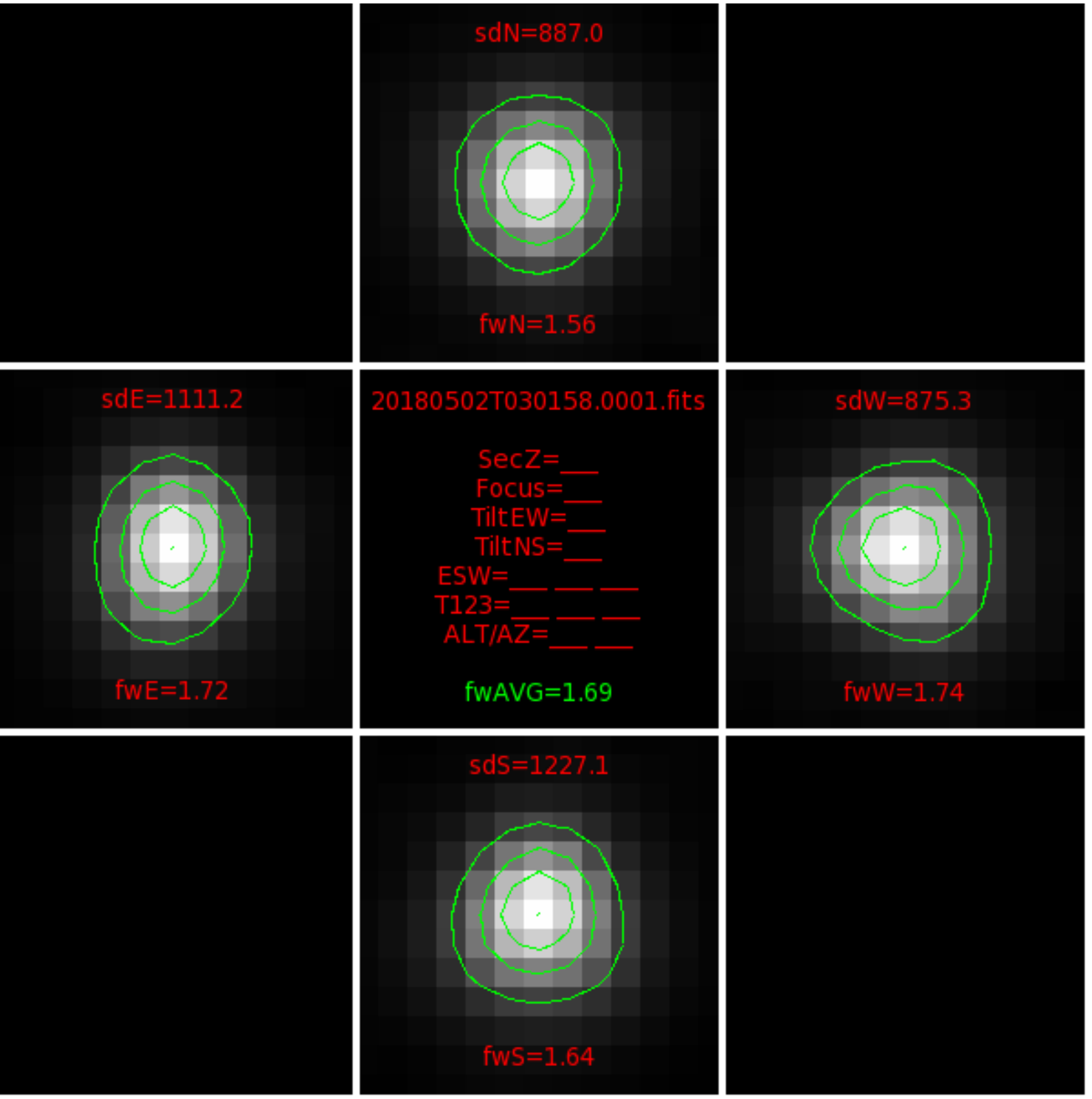
sdN=887.0
fwN=1.56
sdE=1111.2
fwE=1.72
20180502T030158.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.69
sdW=875.3
fwW=1.74
sdS=1227.1
fwS=1.64
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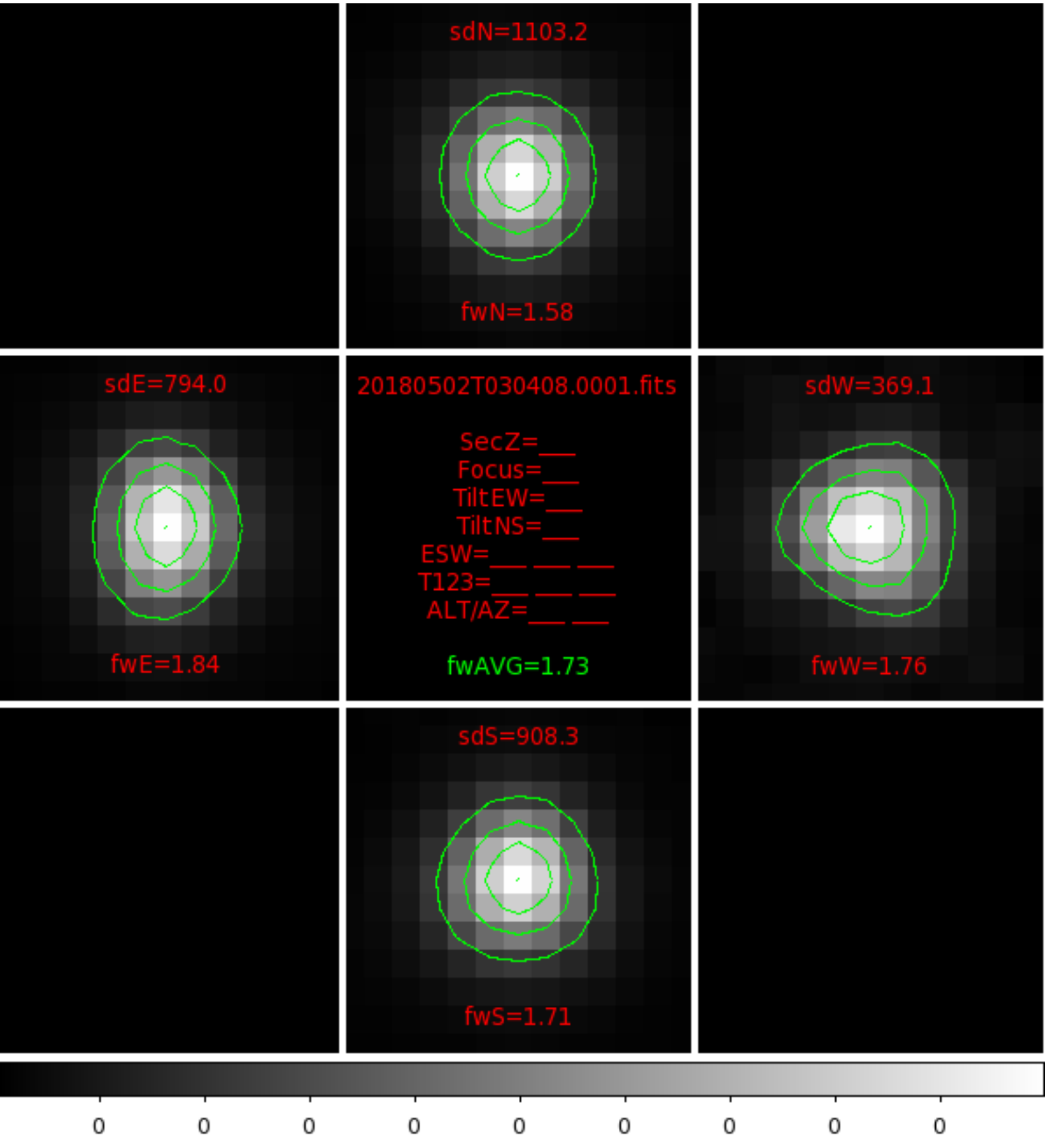
sdN=1103.2
fwN=1.58
sdE=794.0
fwE=1.84
20180502T030408.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.73
sdW=369.1
fwW=1.76
sdS=908.3
fwS=1.71
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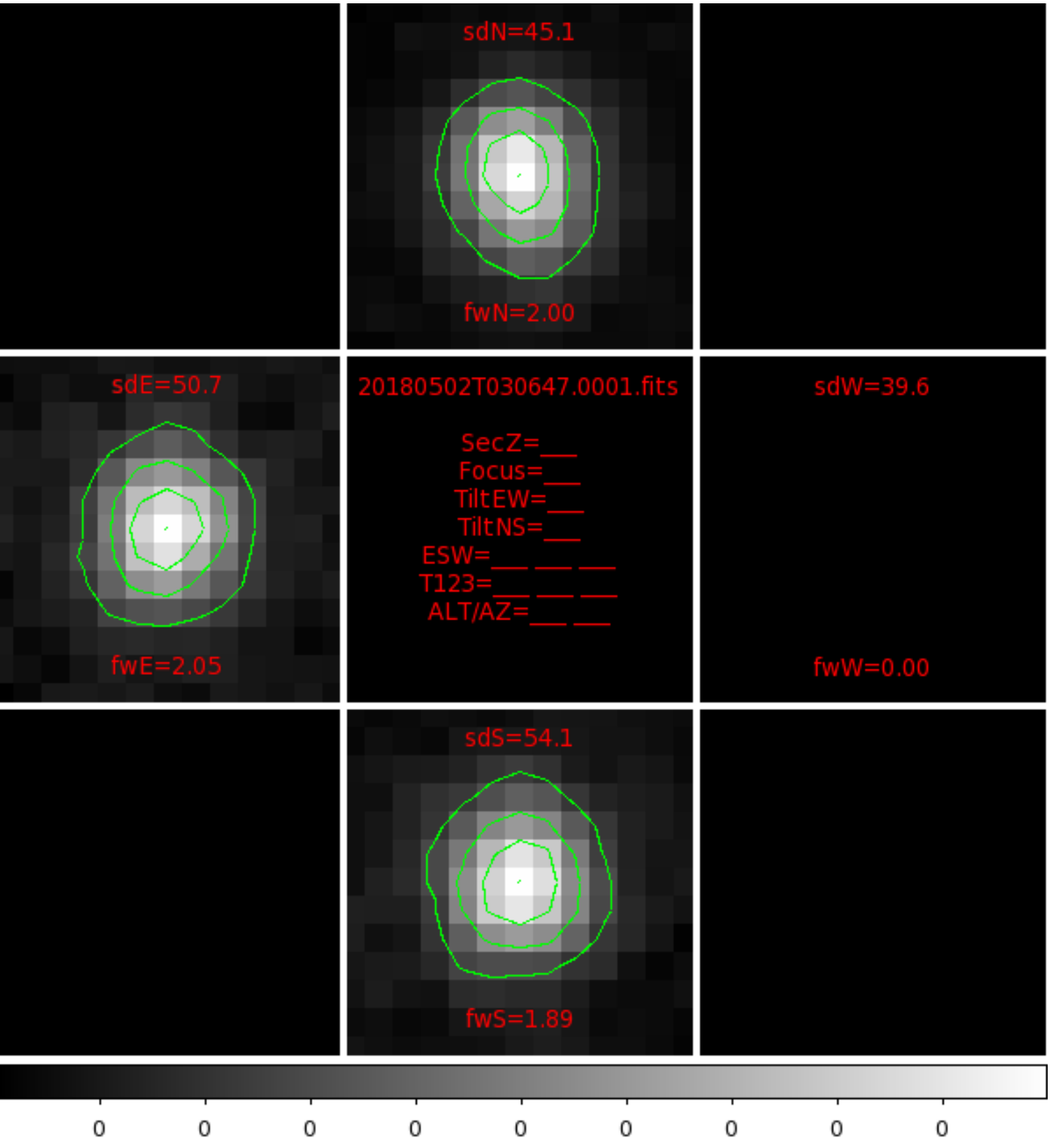
sdN=45.1
fwN=2.00
sdE=50.7
fwE=2.05
20180502T030647.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=39.6
fwW=0.00
sdS=54.1
fwS=1.89
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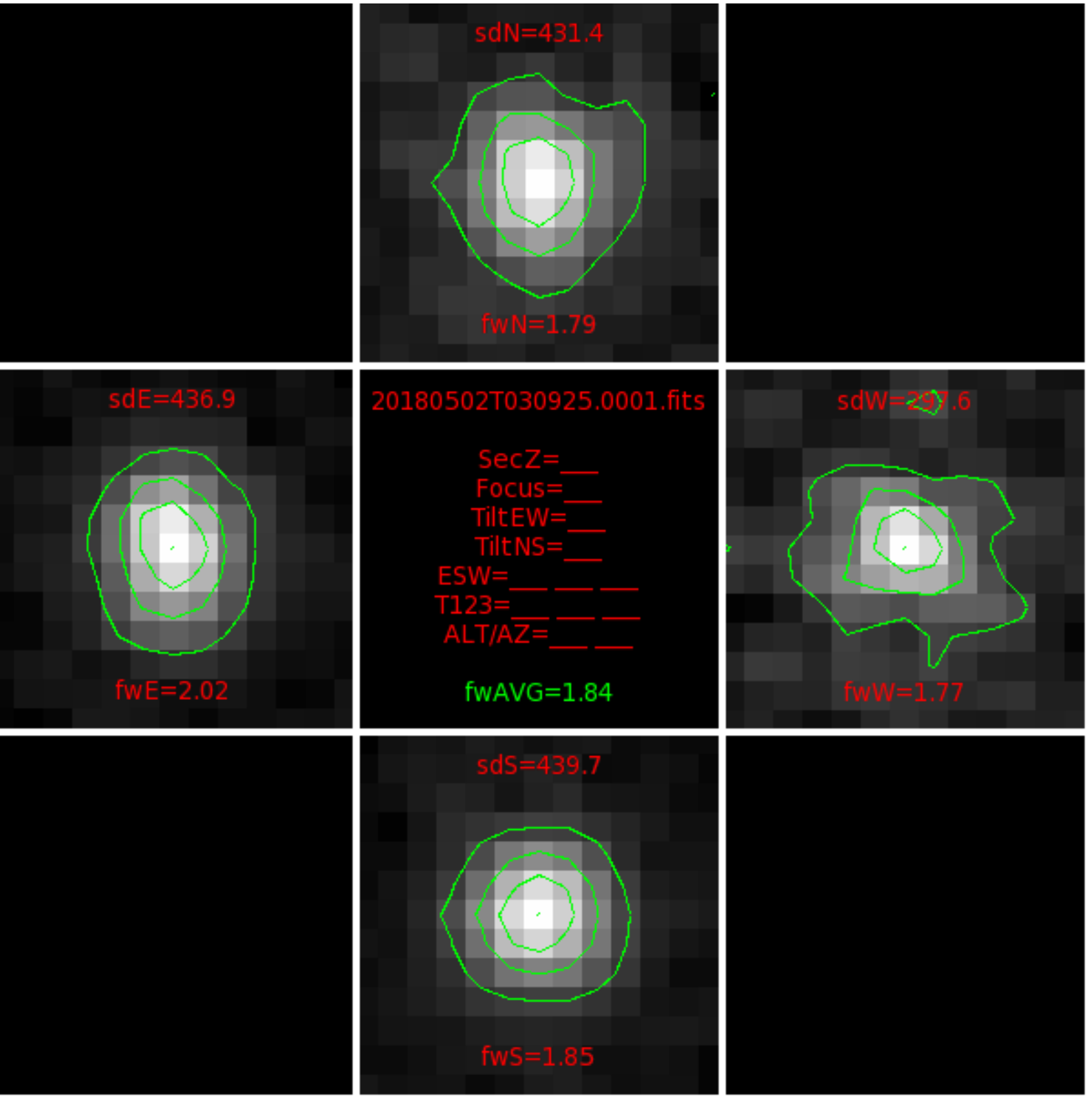
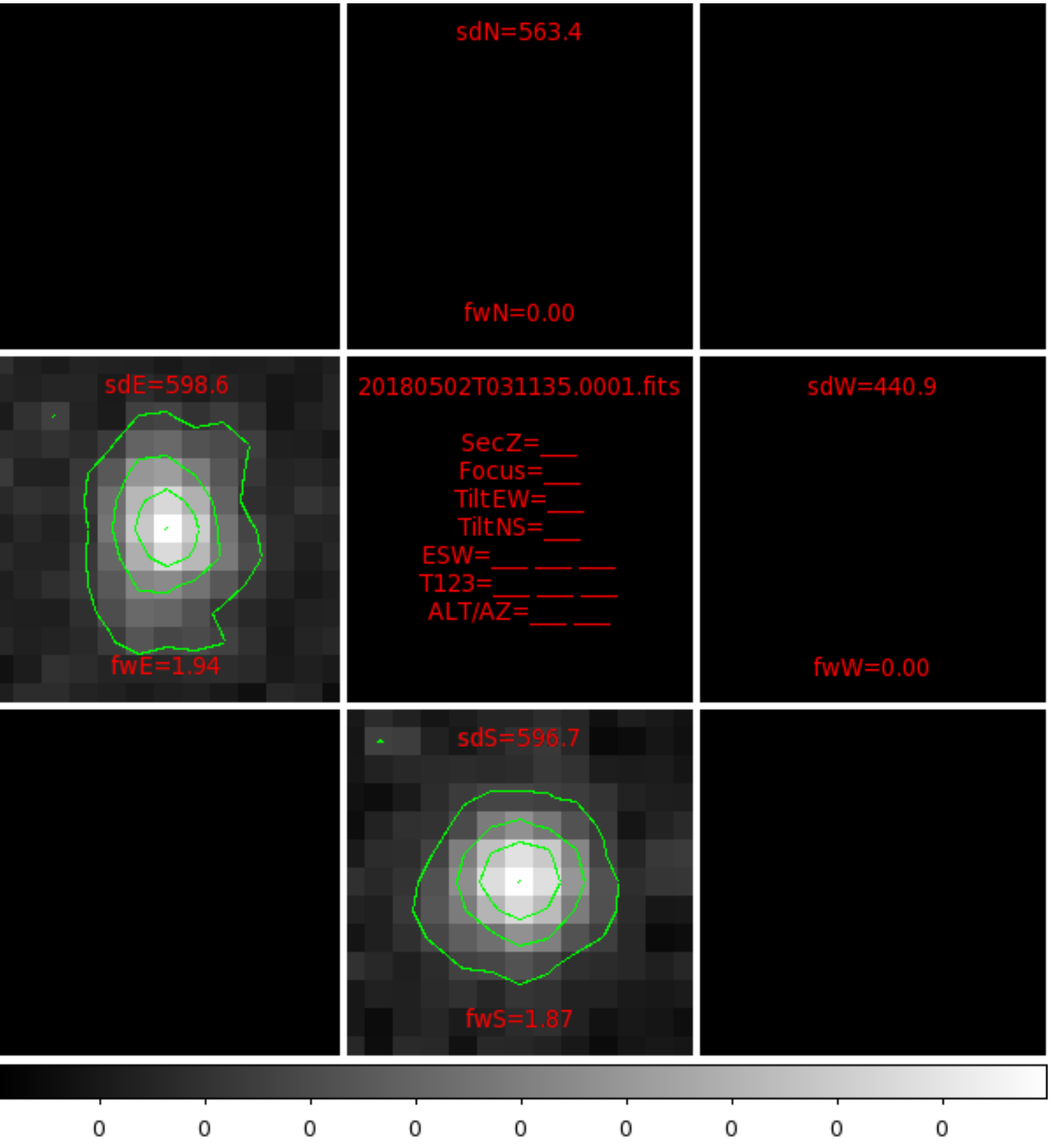
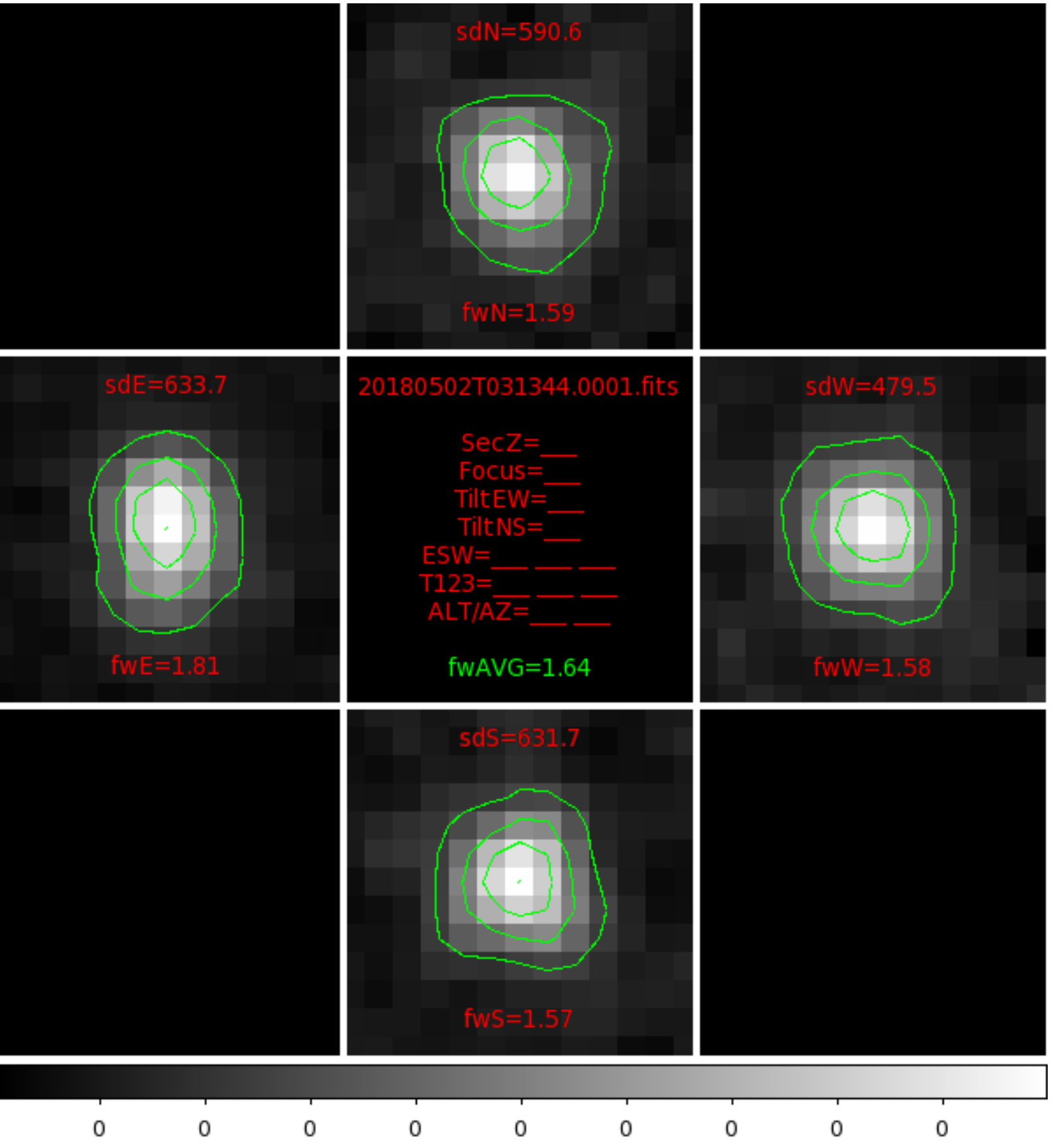

sdN=431.4
fwN=1.79
sdE=436.9
fwE=2.02
20180502T030925.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.84
sdW=297.6
fwW=1.77
sdS=439.7
fwS=1.85
0 0 0 0 0 0 0 0 0


sdN=563.4
fwN=0.00
sdE=598.6
fwE=1.94
20180502T031135.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=440.9
fwW=0.00
sdS=596.7
fwS=1.87
0 0 0 0 0 0 0 0 0


sdN=590.6
fwN=1.59
sdE=633.7
fwE=1.81
20180502T031344.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.64
sdW=479.5
fwW=1.58
sdS=631.7
fwS=1.57
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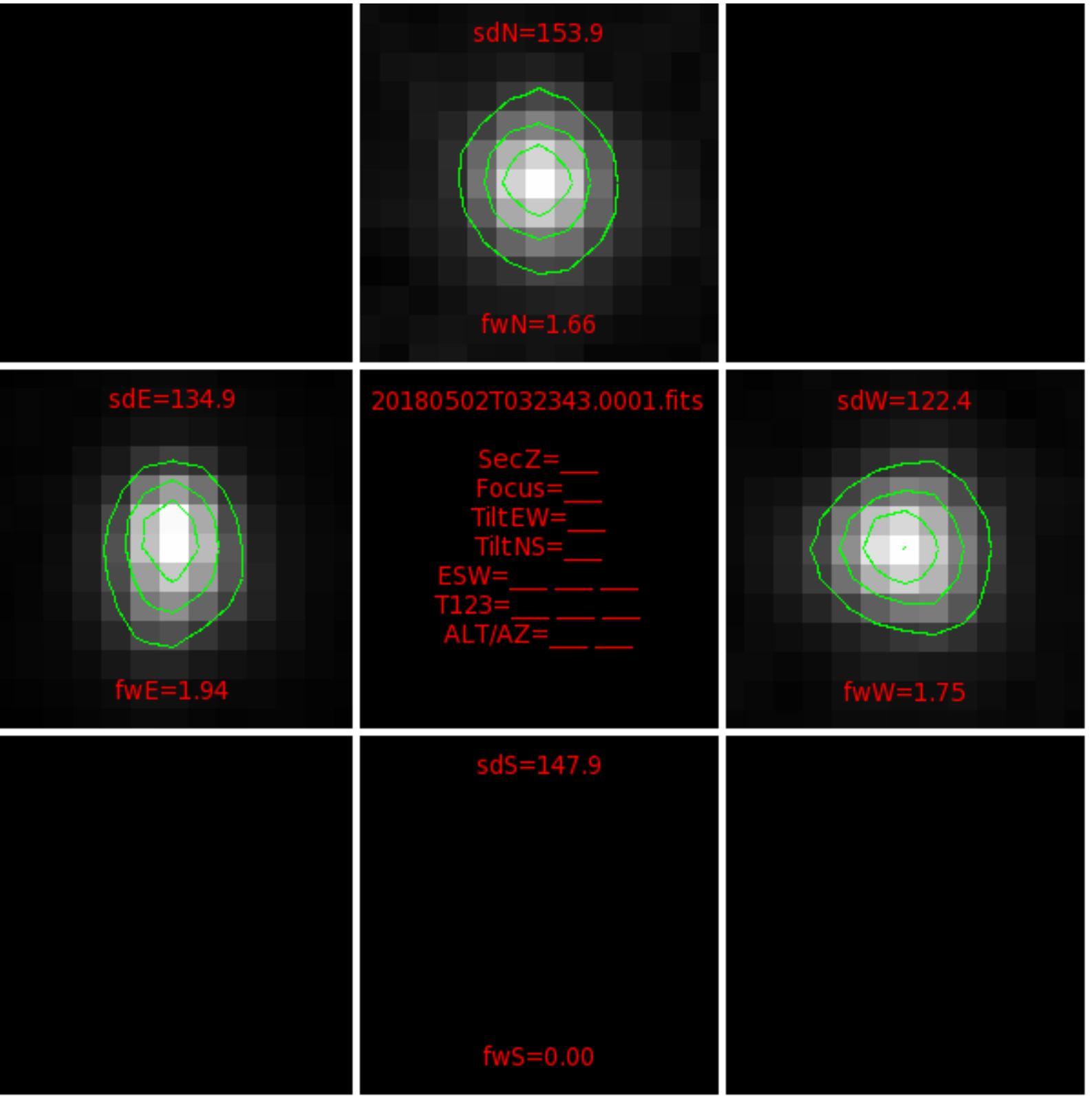
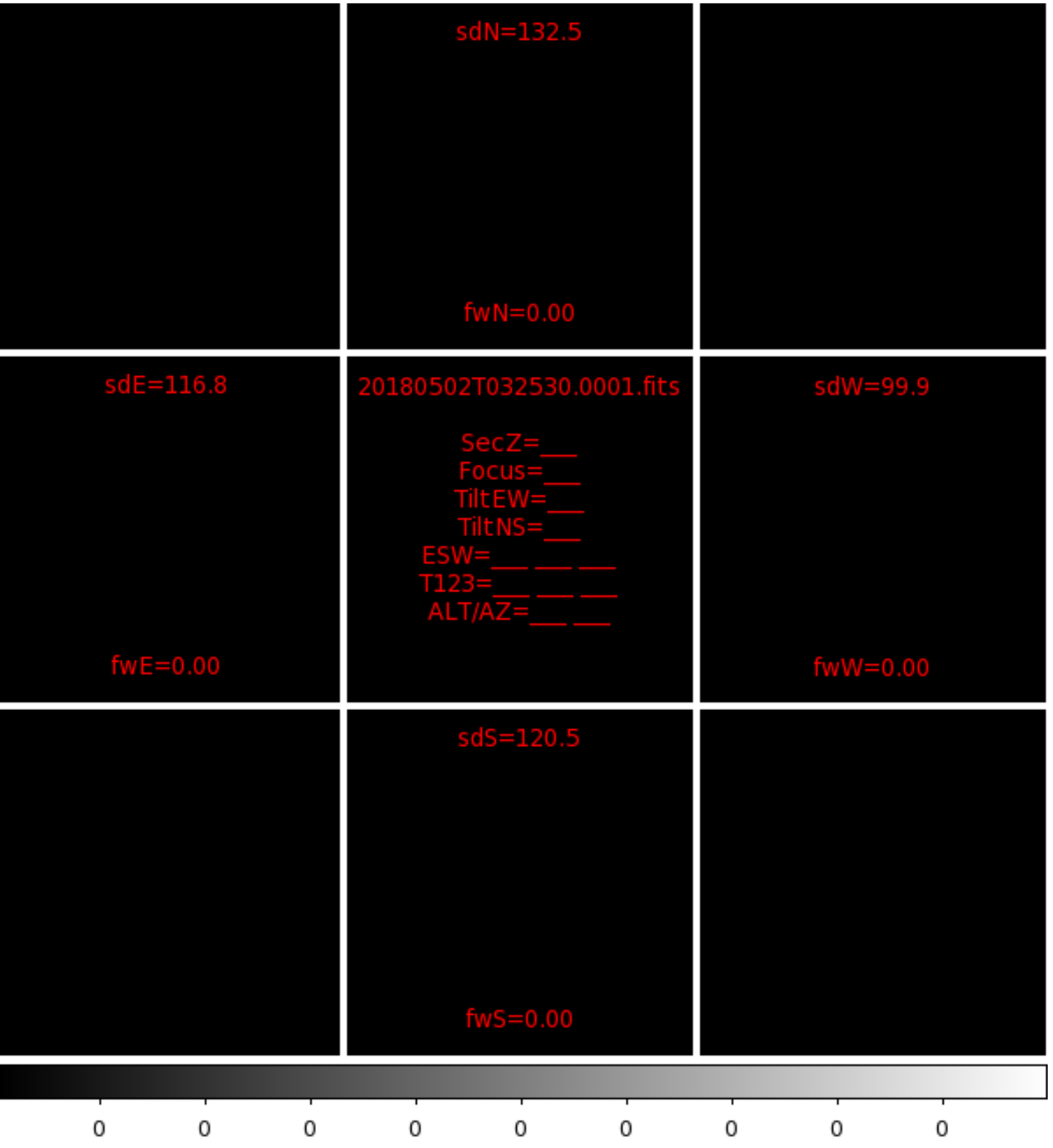
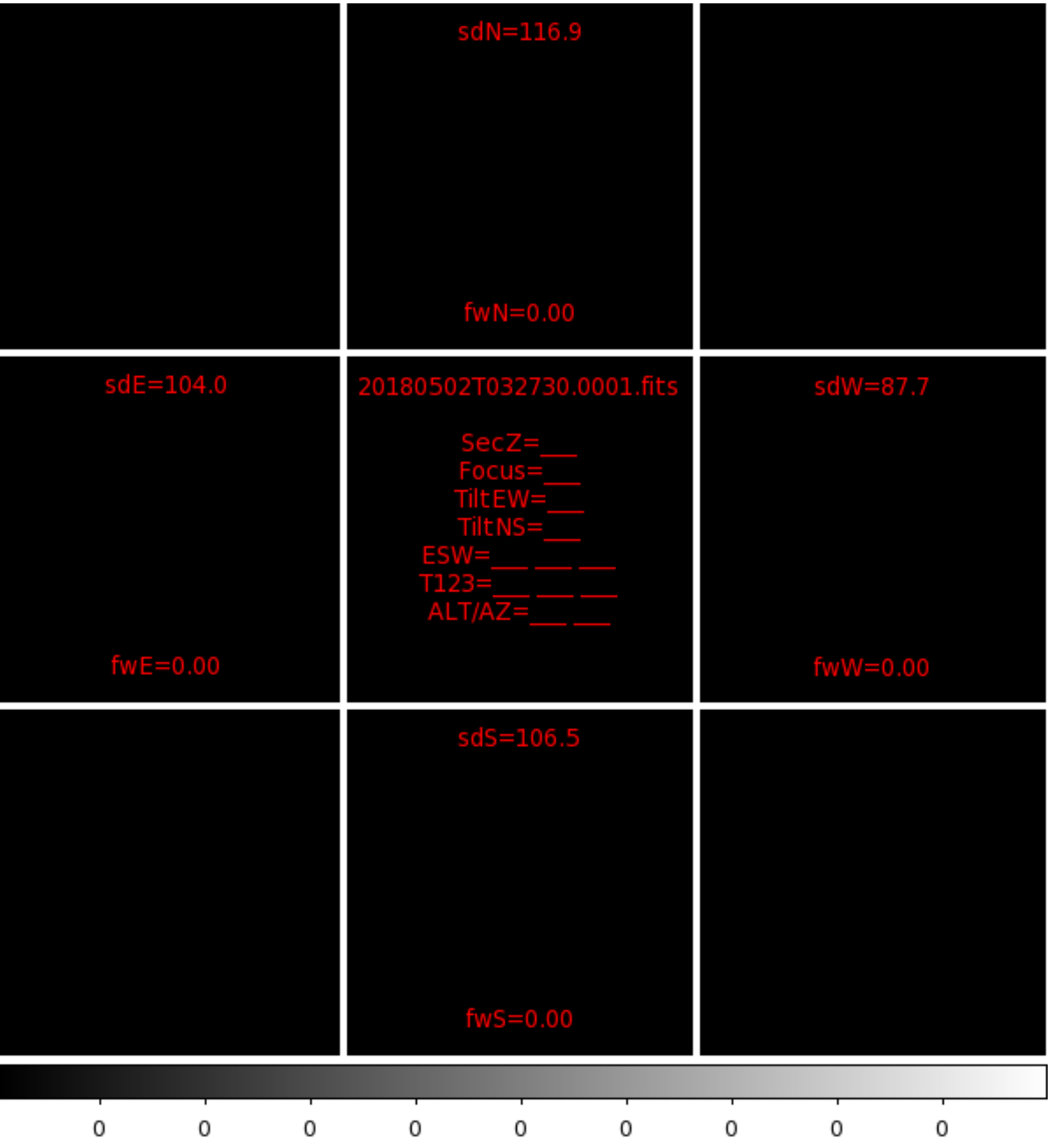
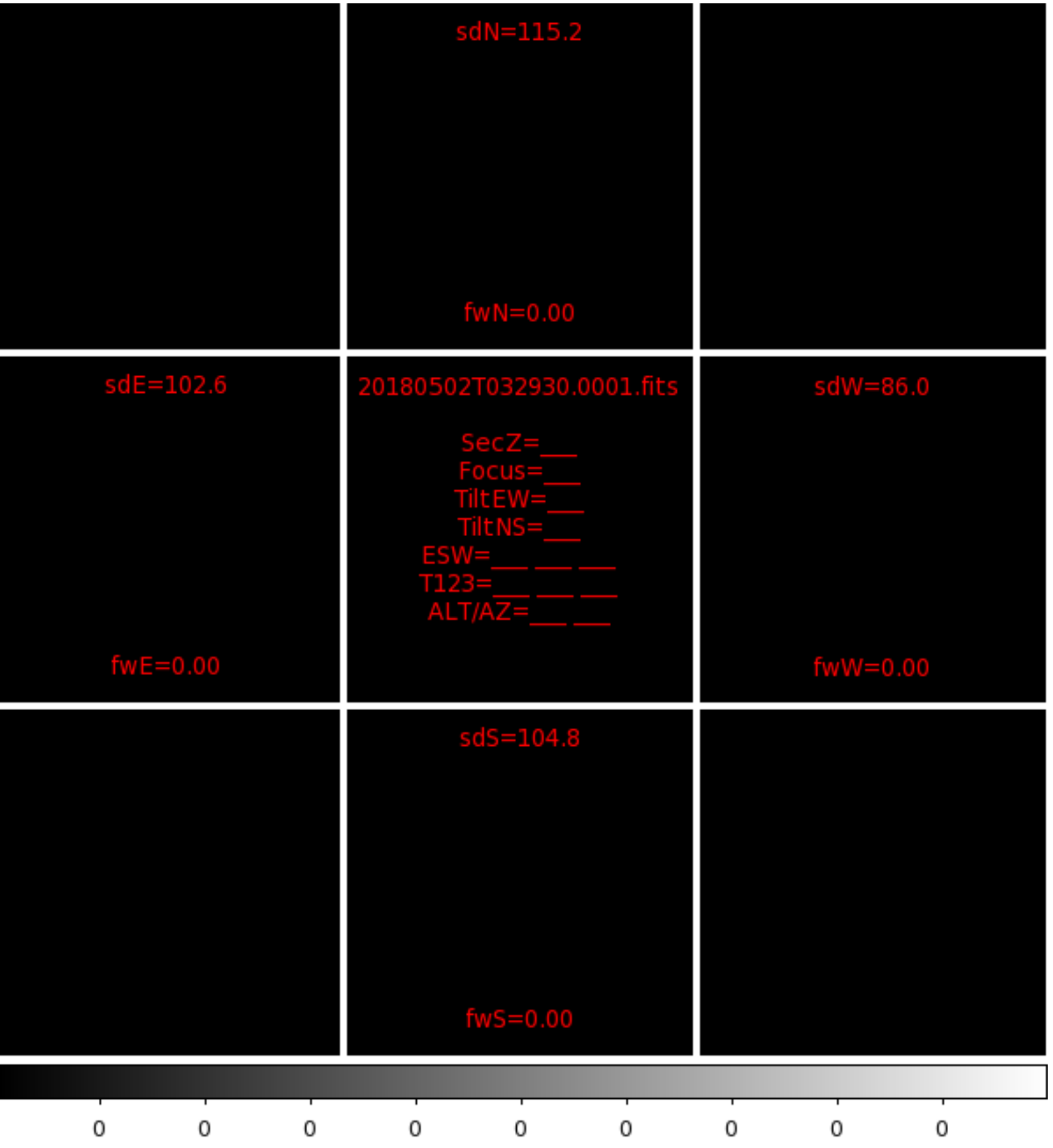

sdN=153.9
fwN=1.66
sdE=134.9
fwE=1.94
20180502T032343.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=122.4
fwW=1.75
sdS=147.9
fwS=0.00
0 0 0 0 0 0 0 0 0

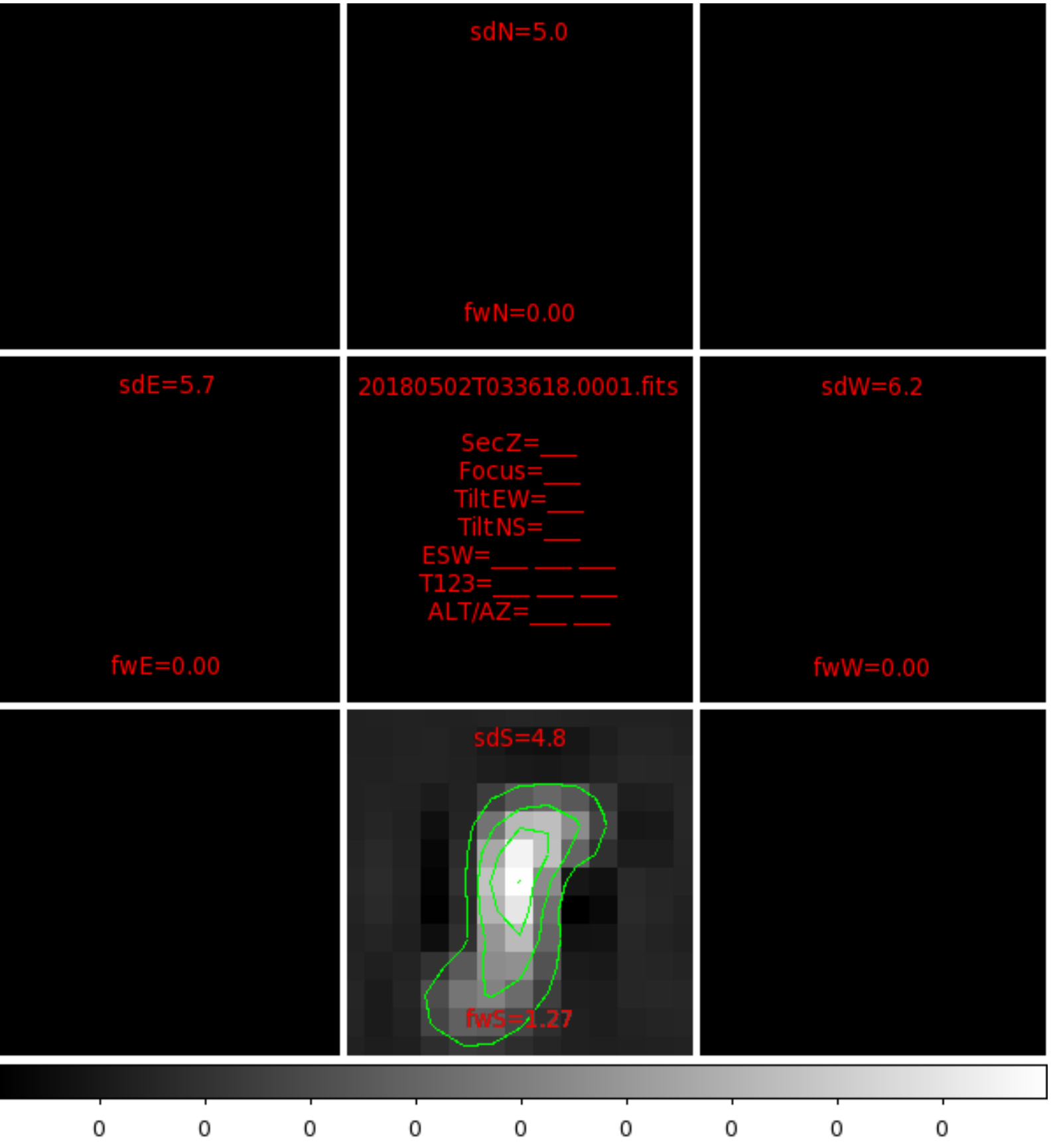

sdN=132.5
fwN=0.00
sdE=116.8
20180502T032530.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=99.9
fwE=0.00
fwW=0.00
sdS=120.5
fwS=0.00
0 0 0 0 0 0 0 0 0

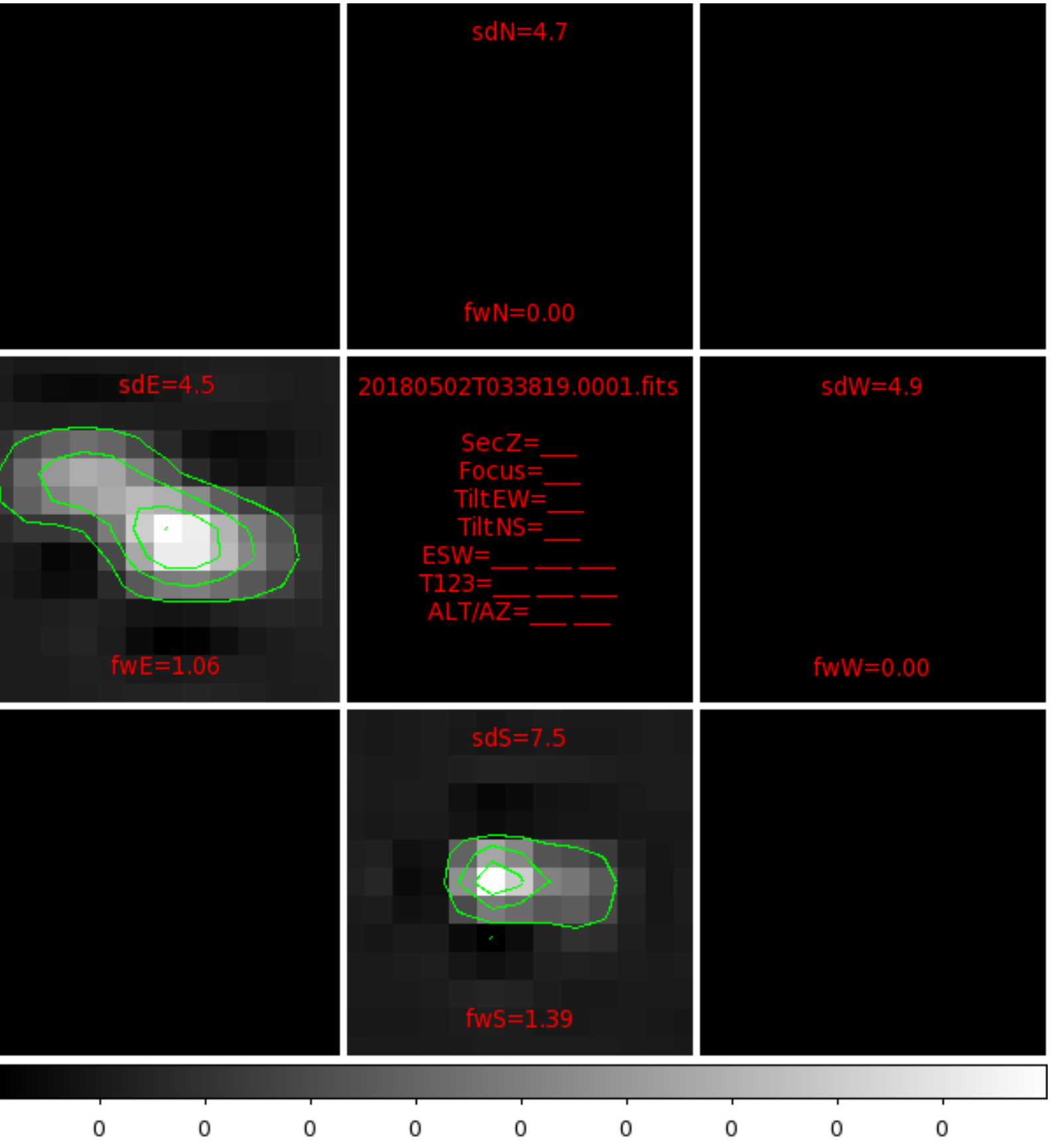

sdN=116.9
fwN=0.00
sdE=104.0
20180502T032730.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=87.7
fwE=0.00
fwW=0.00
sdS=106.5
fwS=0.00
0 0 0 0 0 0 0 0 0

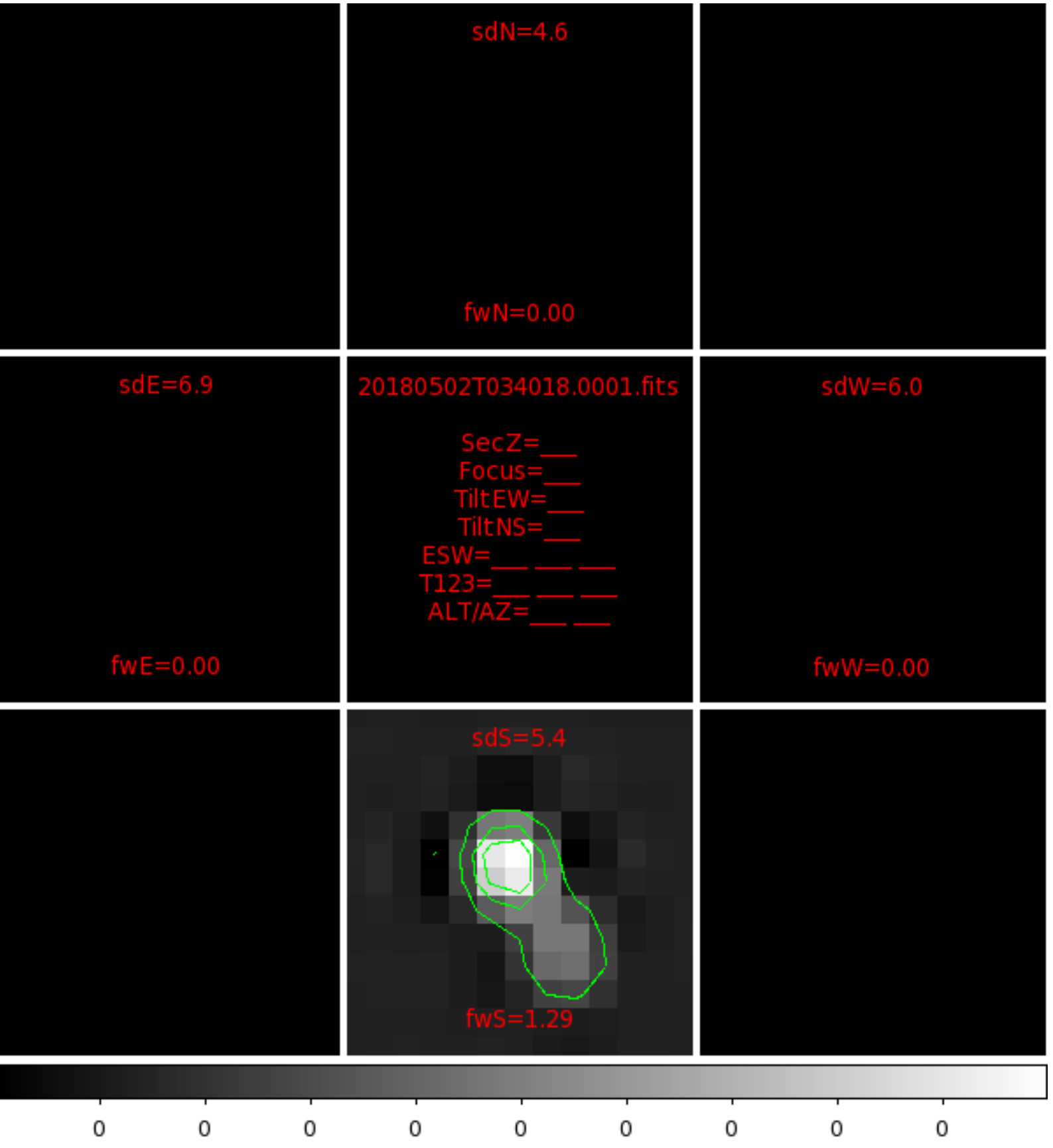

sdN=115.2
fwN=0.00
sdE=102.6
fwE=0.00
20180502T032930.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=86.0
fwW=0.00
sdS=104.8
fwS=0.00
0 0 0 0 0 0 0 0 0

sdN=117.0
fwN=0.00
sdE=104.3
fwE=0.00
20180502T033135.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=88.2
fwW=0.00
sdS=106.5
fwS=0.00
0 0 0 0 0 0 0 0 0

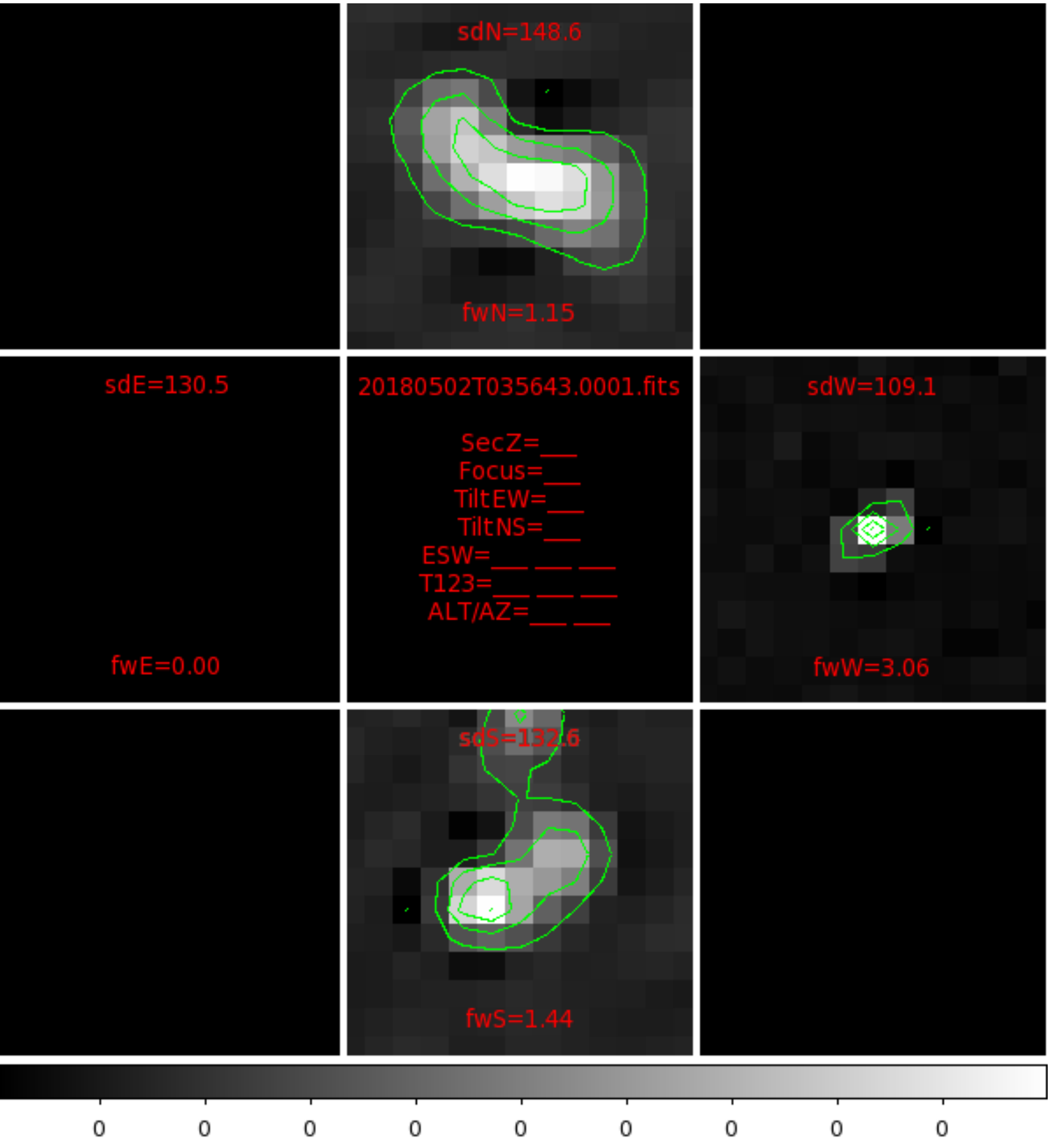
sdN=130.6
fwN=0.00
sdE=115.3
fwE=0.00
20180502T033432.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=98.3
fwW=0.00
sdS=118.7
fwS=0.00
0 0 0 0 0 0 0 0 0

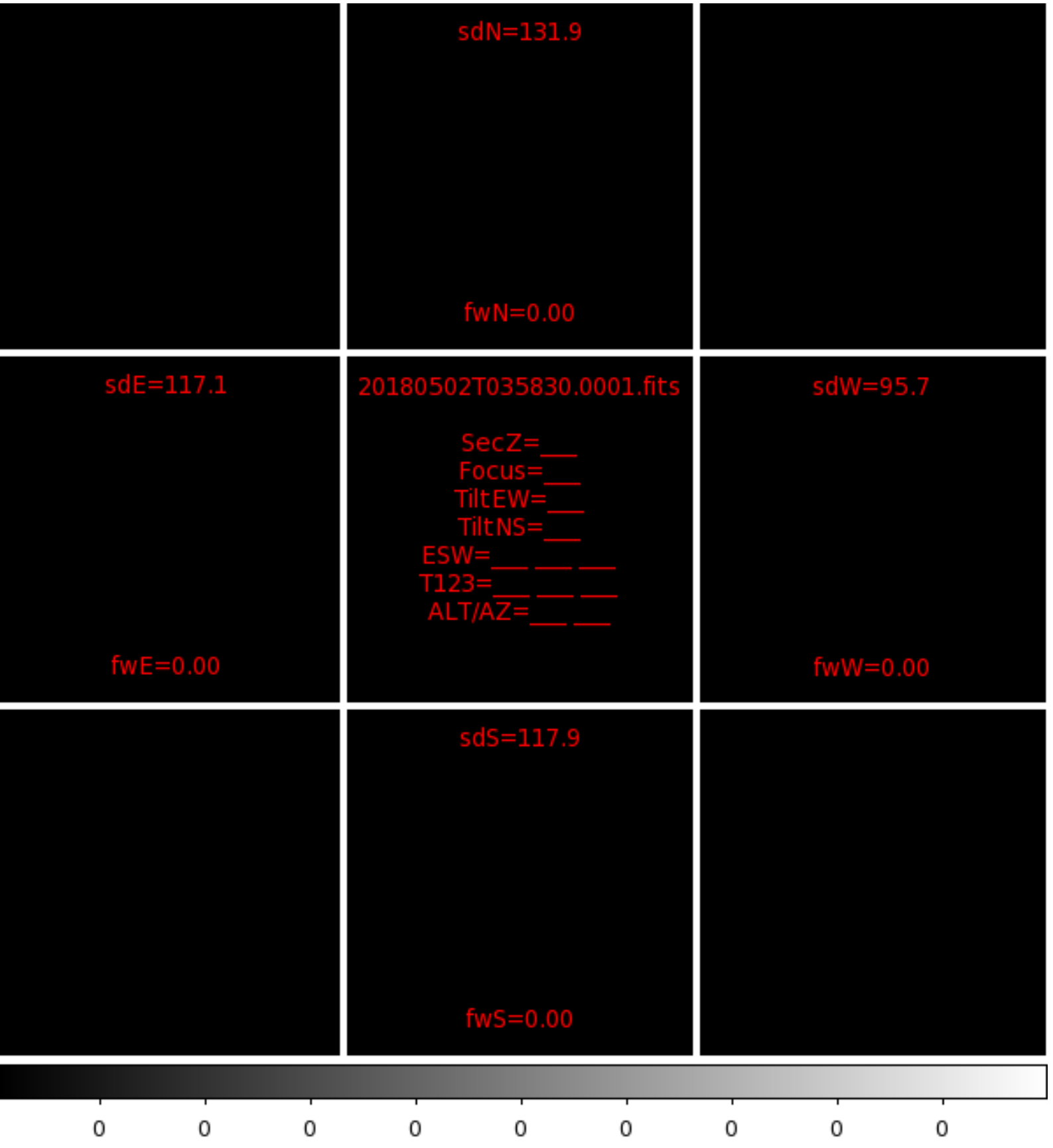

sdN=5.0
fwN=0.00
sdE=5.7
20180502T033618.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=6.2
fwE=0.00
fwW=0.00
sdS=4.8
fwS=1.27
0 0 0 0 0 0 0 0 0


sdN=4.7
fwN=0.00
sdE=4.5
fwE=1.06
20180502T033819.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=4.9
fwW=0.00
sdS=7.5
fwS=1.39
0 0 0 0 0 0 0 0 0

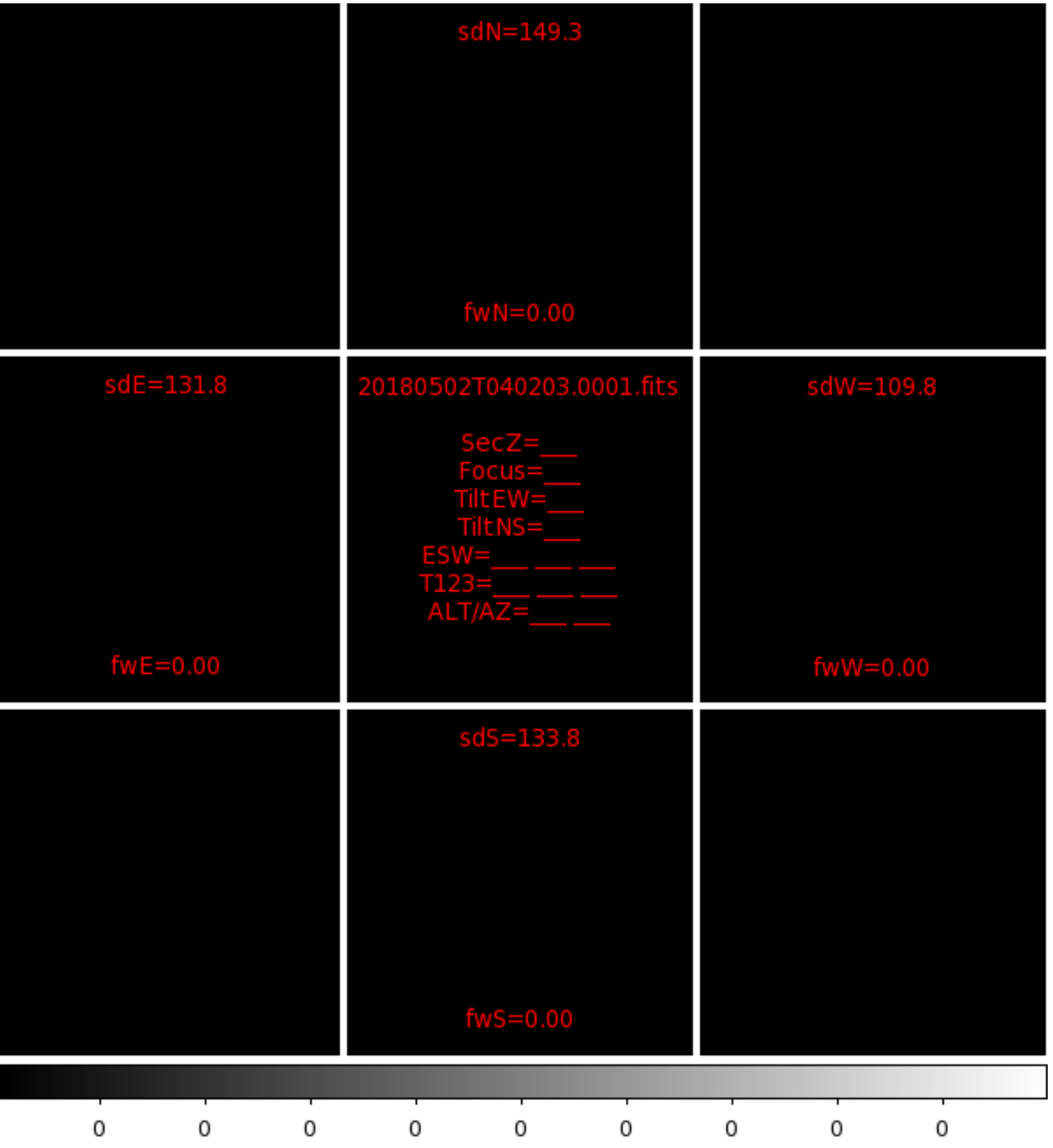

sdN=4.6
fwN=0.00
sdE=6.9
20180502T034018.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=6.0
fwE=0.00
fwW=0.00
sdS=5.4
fwS=1.29
0 0 0 0 0 0 0 0 0

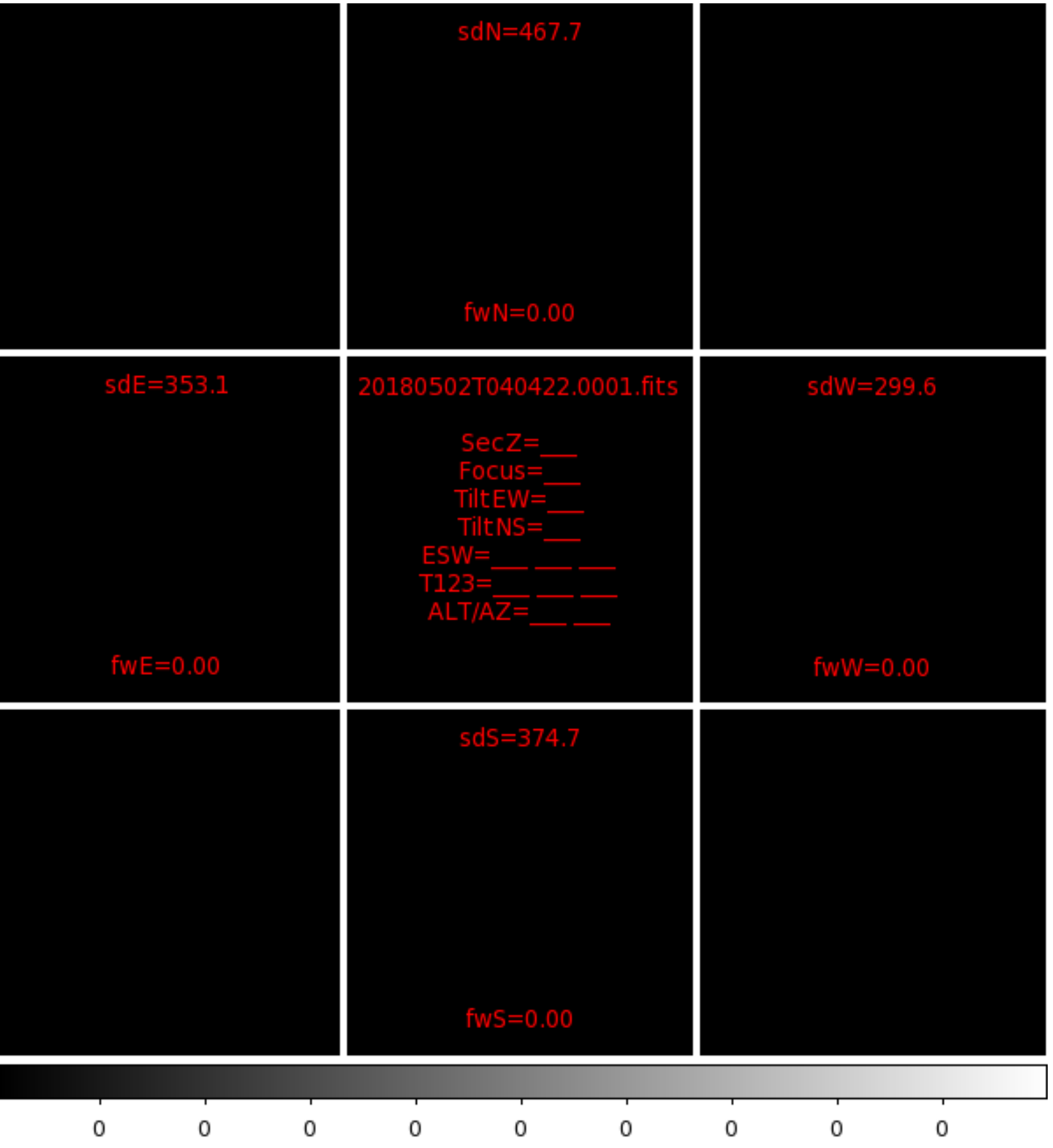
sdN=6.3
fwN=0.00
sdE=4.0
20180502T034217.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=5.2
fwE=0.00
fwW=0.00
sdS=8.0
fwS=0.00
0 0 0 0 0 0 0 0 0

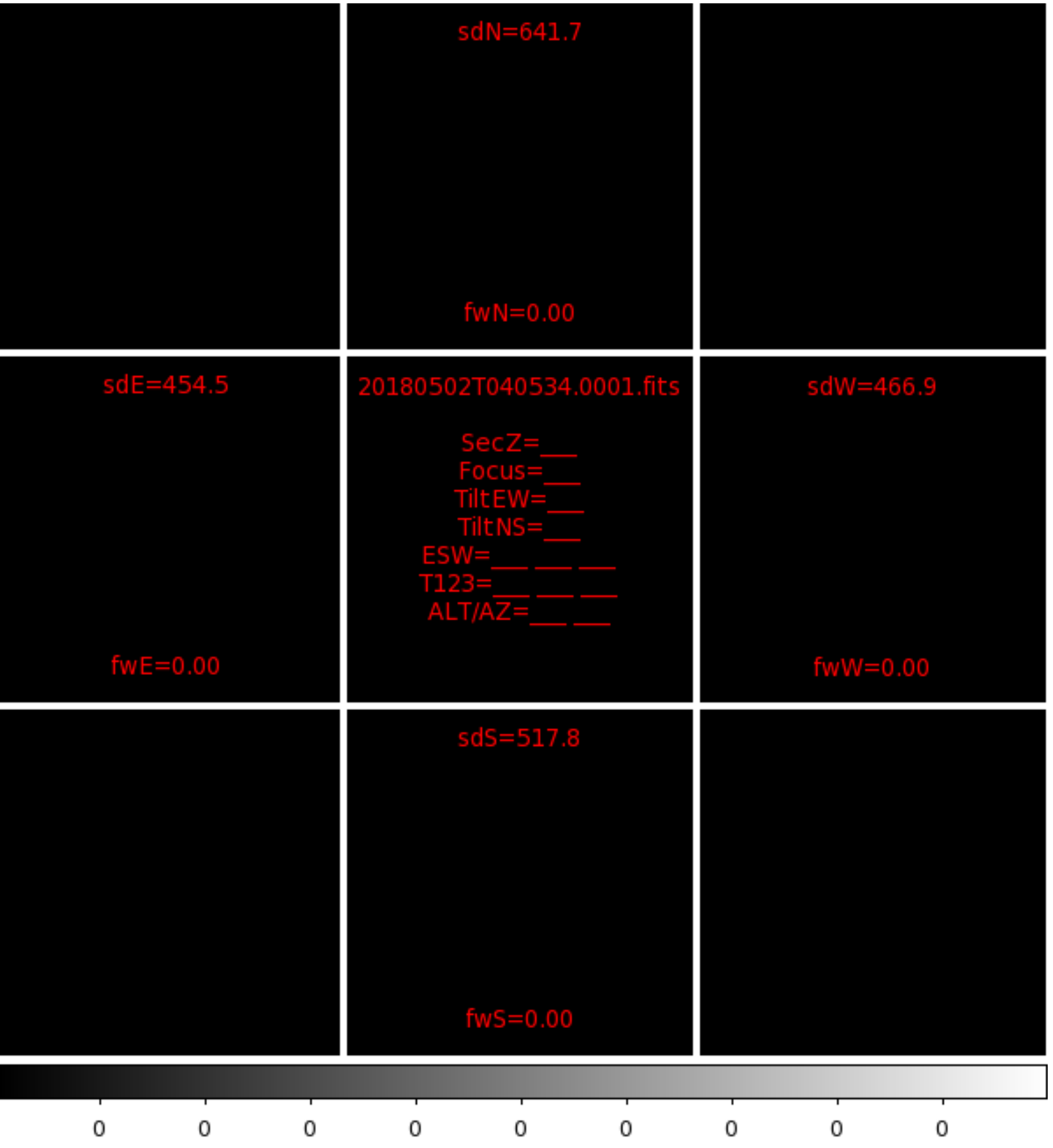

sdN=148.6
fwN=1.15
sdE=130.5
fwE=0.00
20180502T035643.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=109.1
fwW=3.06
sdS=132.6
fwS=1.44
0 0 0 0 0 0 0 0 0

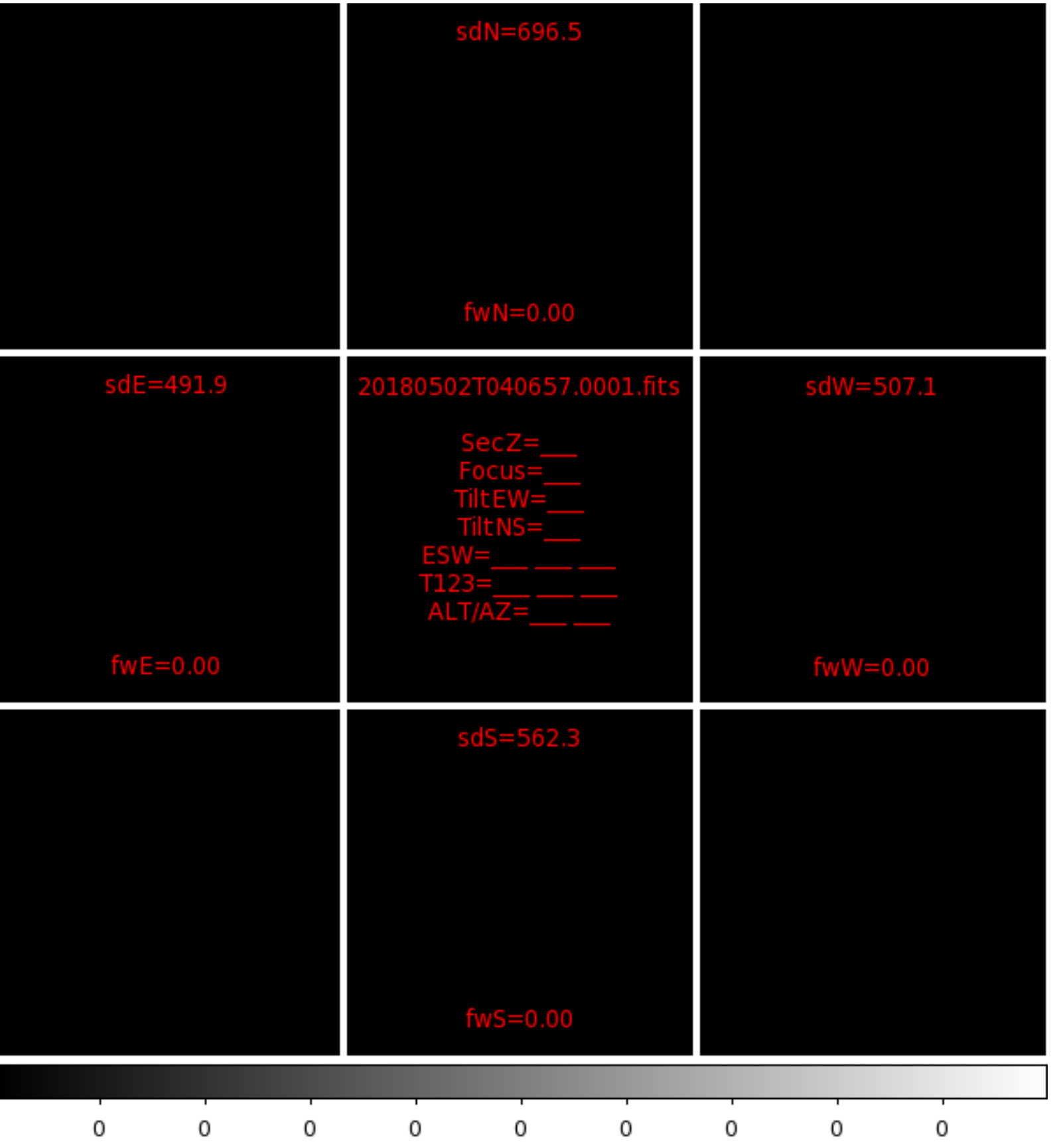

sdN=131.9
fwN=0.00
sdE=117.1
20180502T035830.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=95.7
fwE=0.00
fwW=0.00
sdS=117.9
fwS=0.00
0 0 0 0 0 0 0 0 0

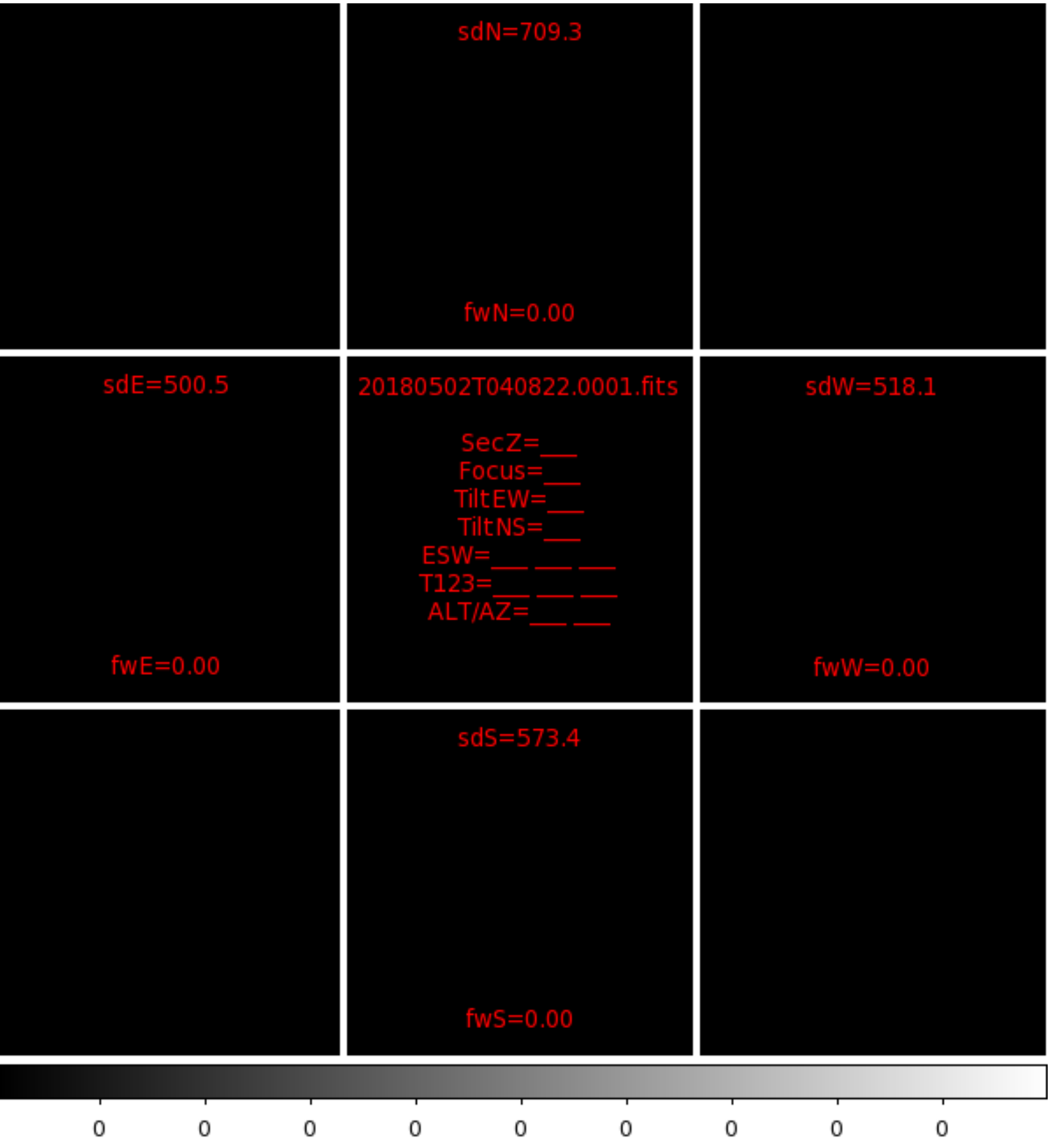
sdN=146.5
fwN=0.00
sdE=129.3
fwE=0.00
20180502T040017.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=107.4
fwW=0.00
sdS=131.2
fwS=0.00
0 0 0 0 0 0 0 0 0

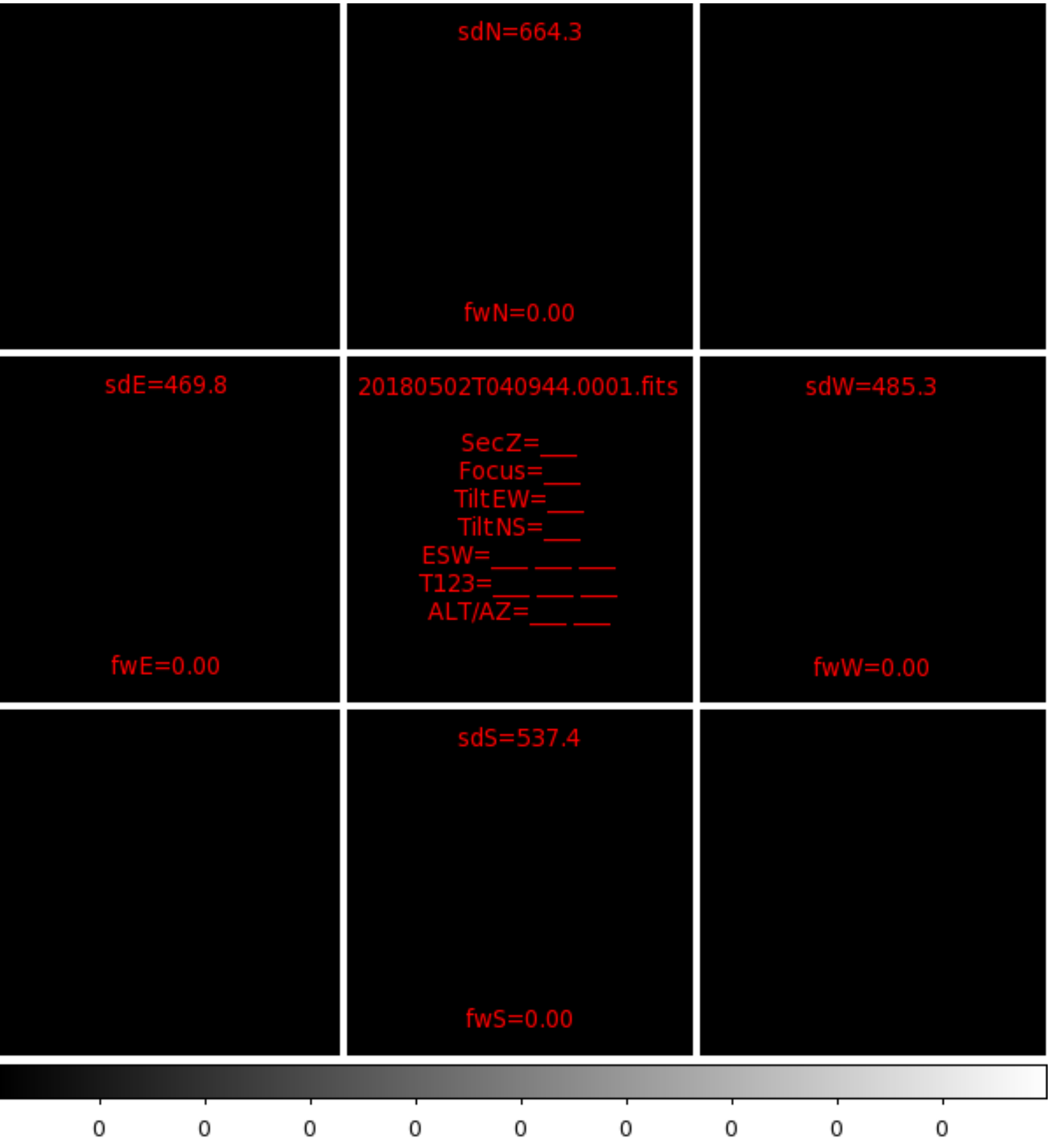

sdN=149.3
fwN=0.00
sdE=131.8
20180502T040203.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=109.8
fwE=0.00
fwW=0.00
sdS=133.8
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=467.7
fwN=0.00
sdE=353.1
20180502T040422.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=299.6
fwE=0.00
fwW=0.00
sdS=374.7
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=641.7
fwN=0.00
sdE=454.5
20180502T040534.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=466.9
fwE=0.00
fwW=0.00
sdS=517.8
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=696.5
fwN=0.00
sdE=491.9
fwE=0.00
20180502T040657.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=507.1
fwW=0.00
sdS=562.3
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=709.3
fwN=0.00
sdE=500.5
20180502T040822.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=518.1
fwE=0.00
fwW=0.00
sdS=573.4
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=664.3
fwN=0.00
sdE=469.8
fwE=0.00
20180502T040944.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=485.3
fwW=0.00
sdS=537.4
fwS=0.00
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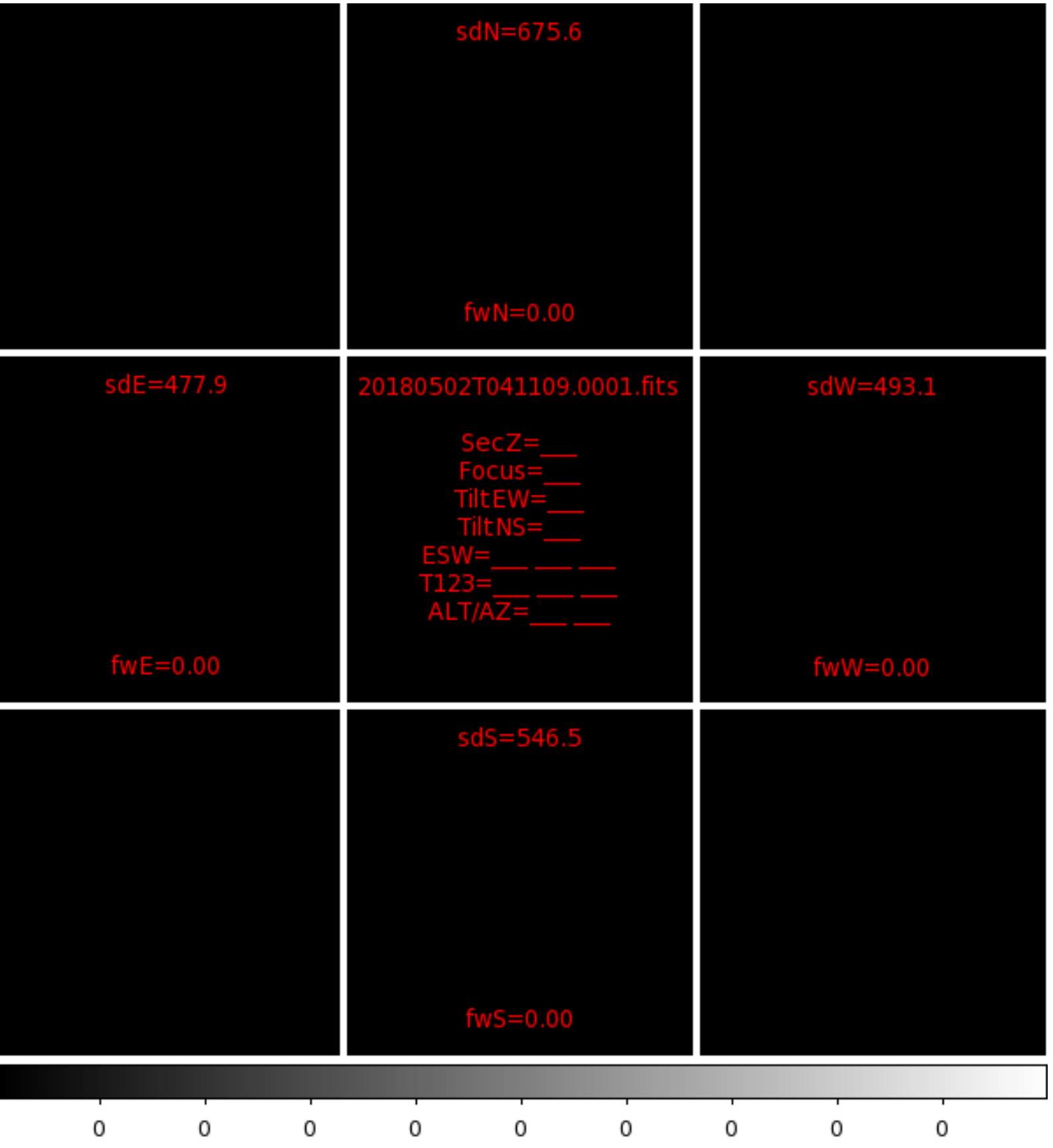
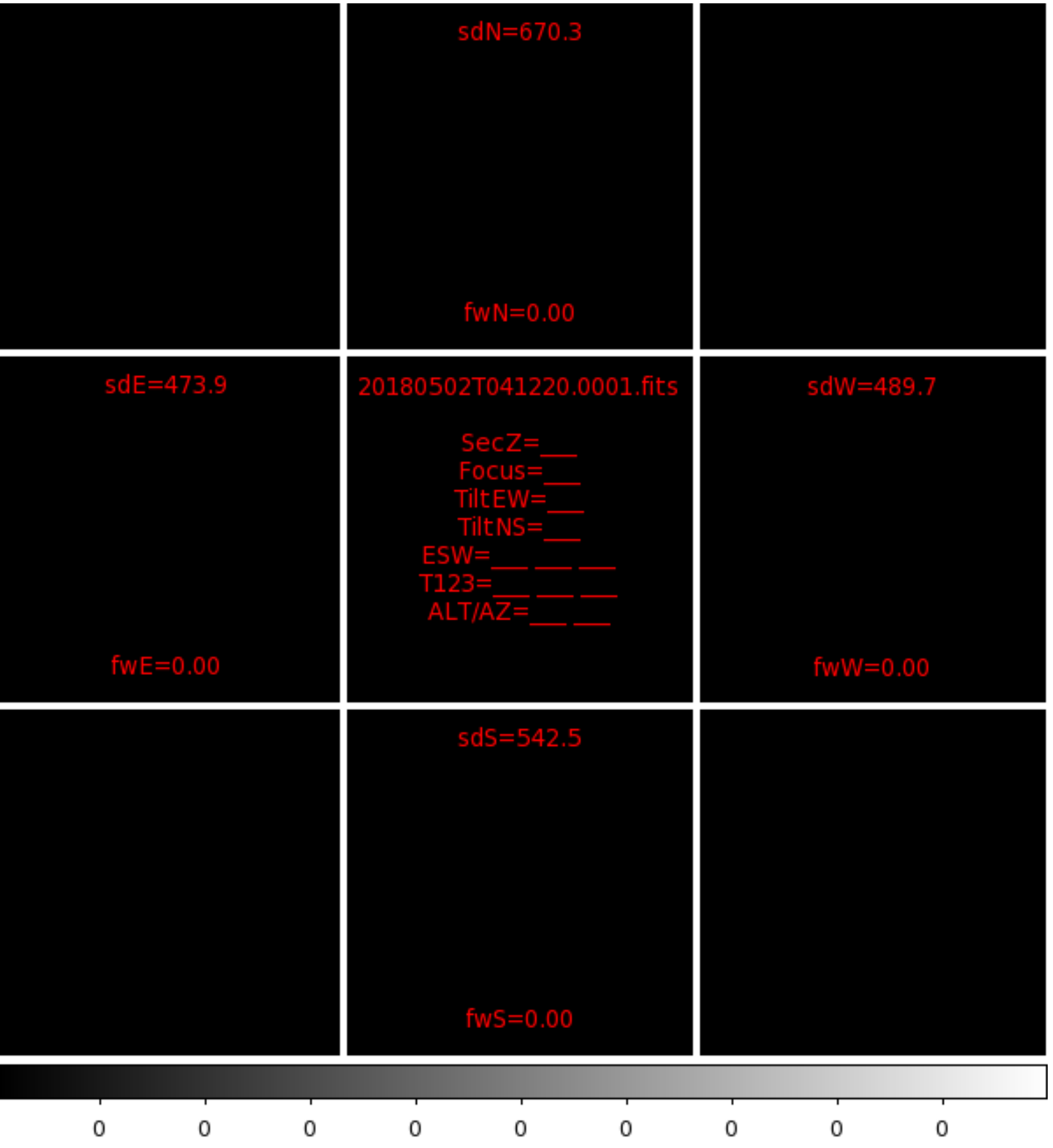
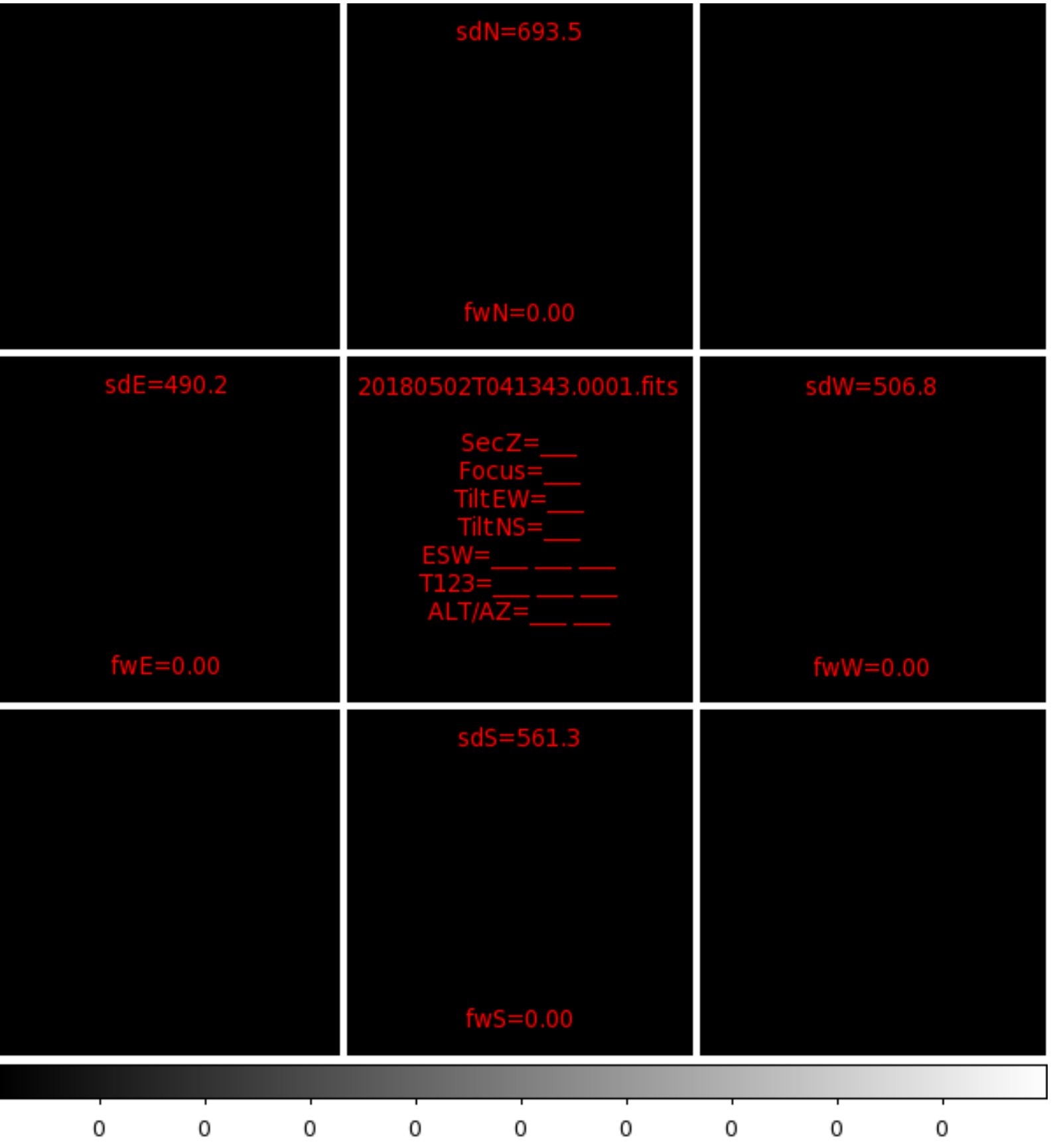
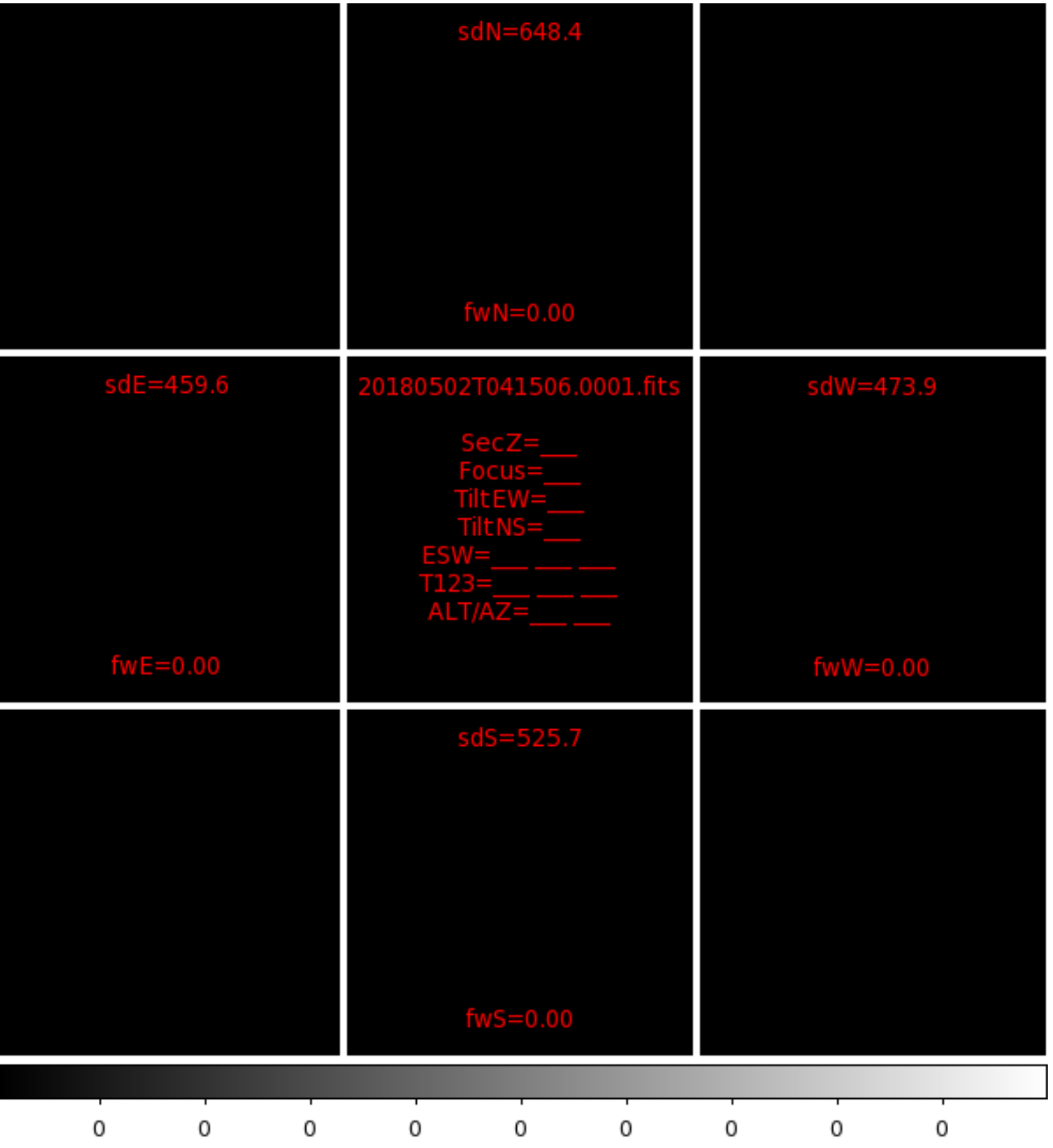
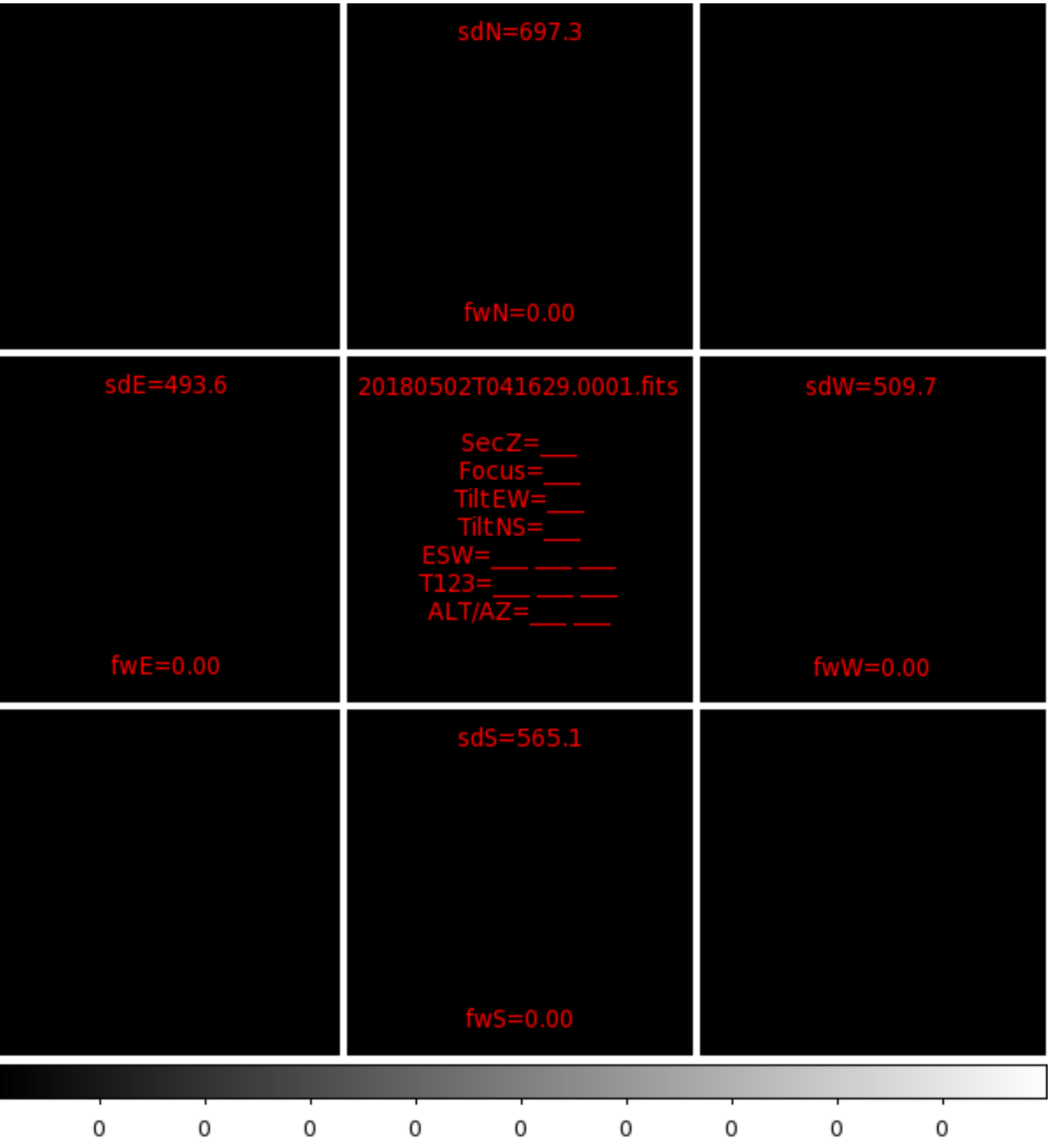

sdN=675.6
fwN=0.00
sdE=477.9
fwE=0.00
20180502T041109.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=493.1
fwW=0.00
sdS=546.5
fwS=0.00
0 0 0 0 0 0 0 0 0

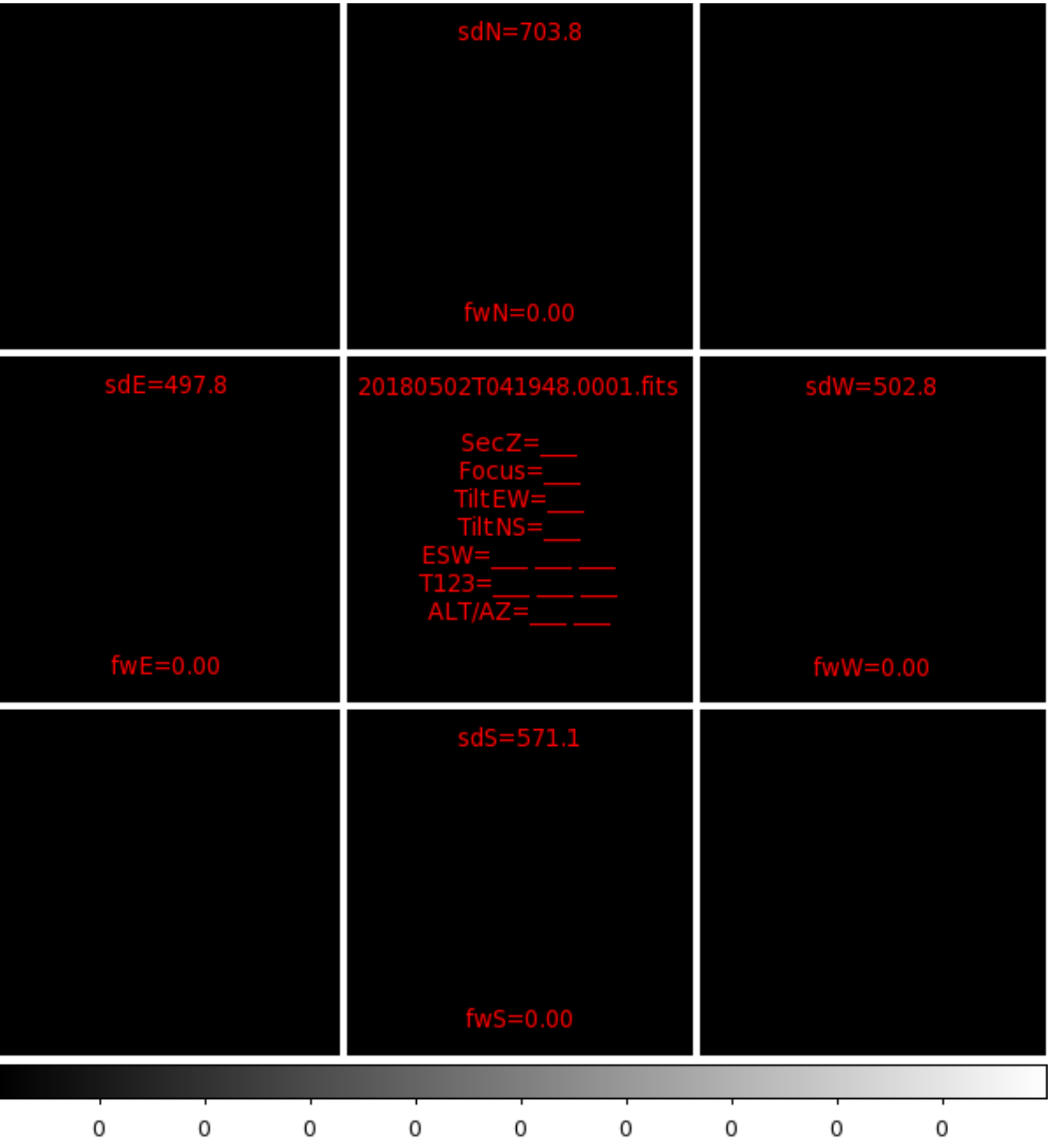

sdN=670.3
fwN=0.00
sdE=473.9
20180502T041220.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=489.7
fwE=0.00
fwW=0.00
sdS=542.5
fwS=0.00
0 0 0 0 0 0 0 0 0

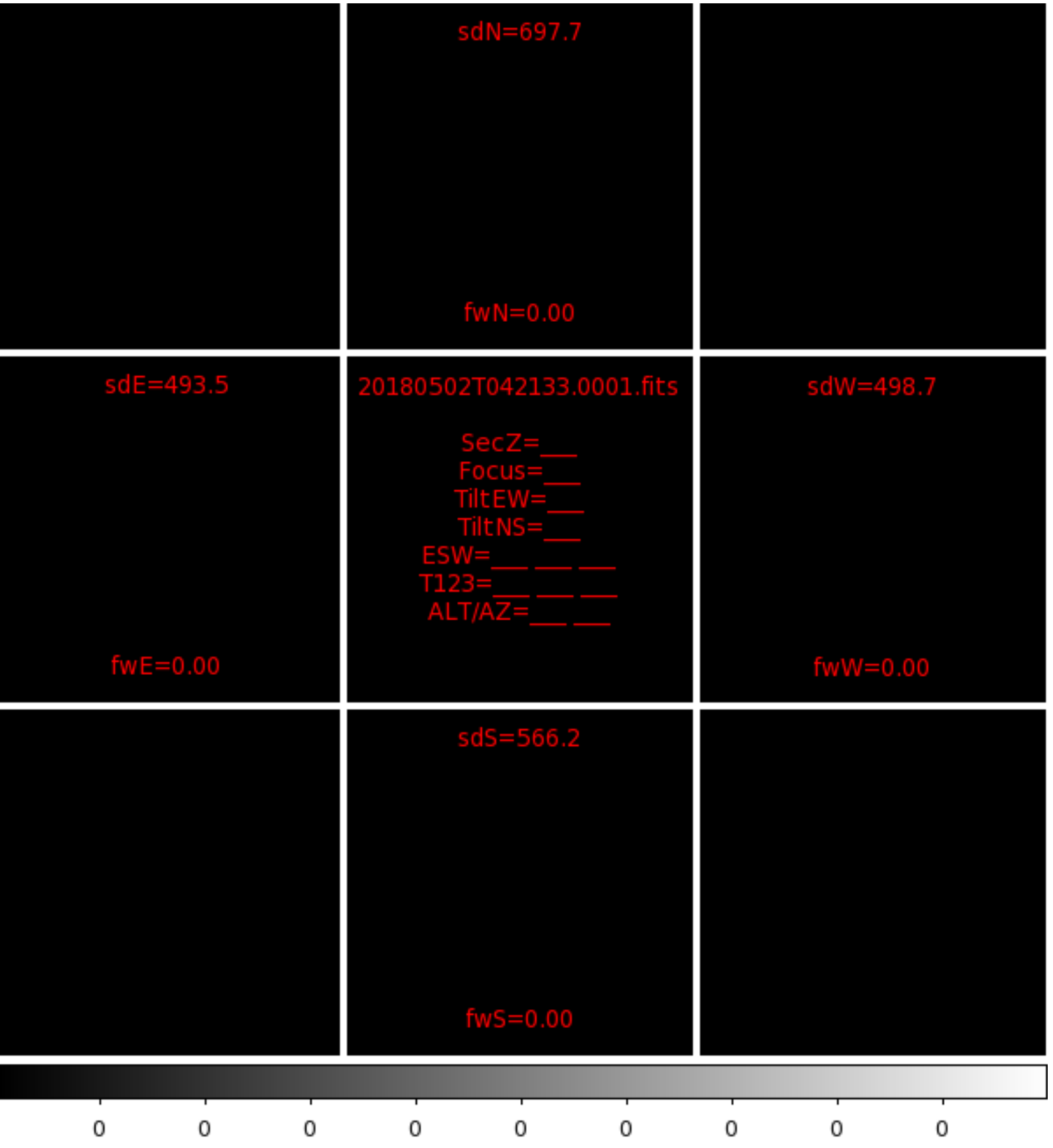

sdN=693.5
fwN=0.00
sdE=490.2
20180502T041343.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=506.8
fwE=0.00
fwW=0.00
sdS=561.3
fwS=0.00
0 0 0 0 0 0 0 0 0

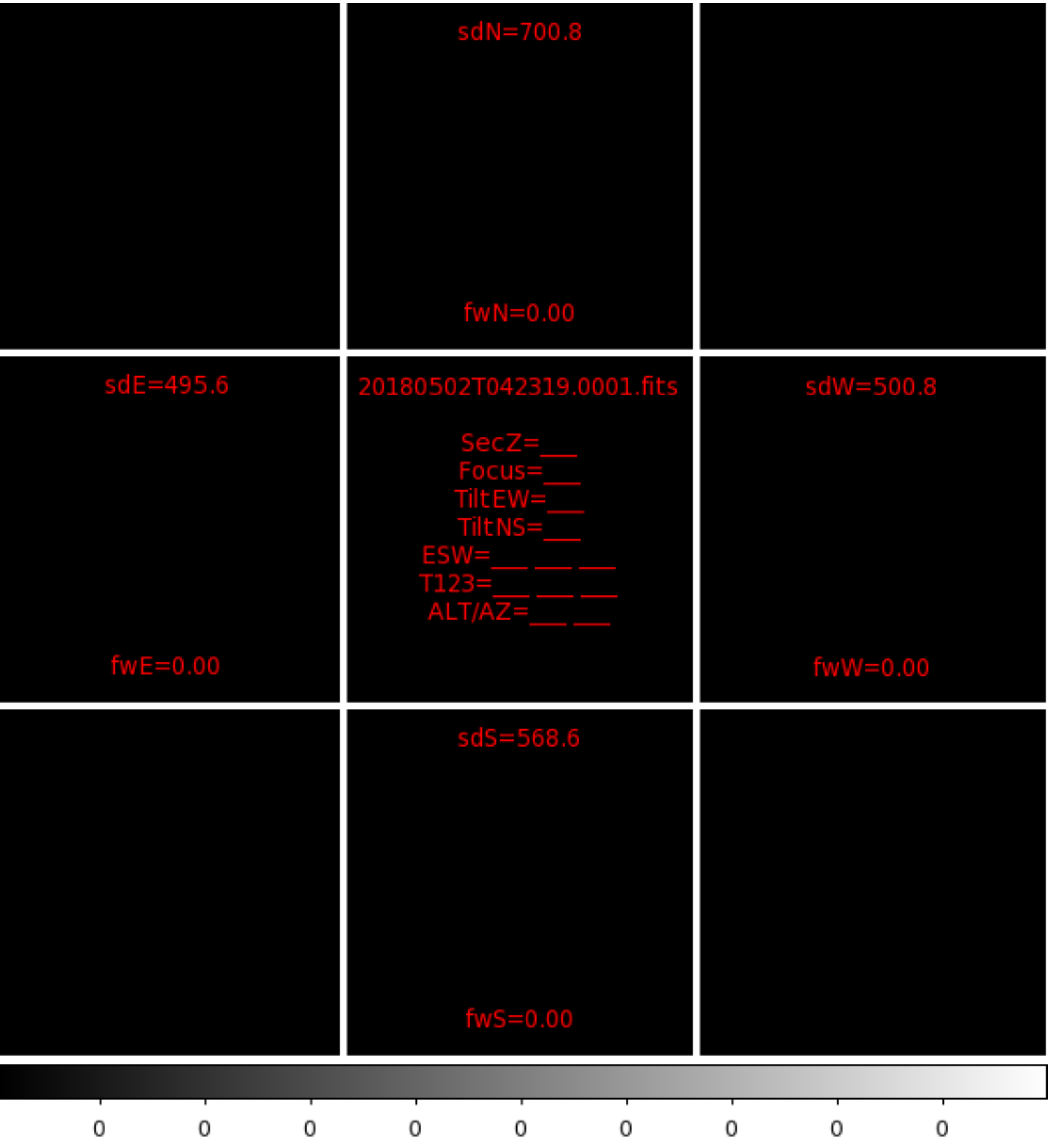

sdN=648.4
fwN=0.00
sdE=459.6
20180502T041506.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=473.9
fwE=0.00
fwW=0.00
sdS=525.7
fwS=0.00
0 0 0 0 0 0 0 0 0

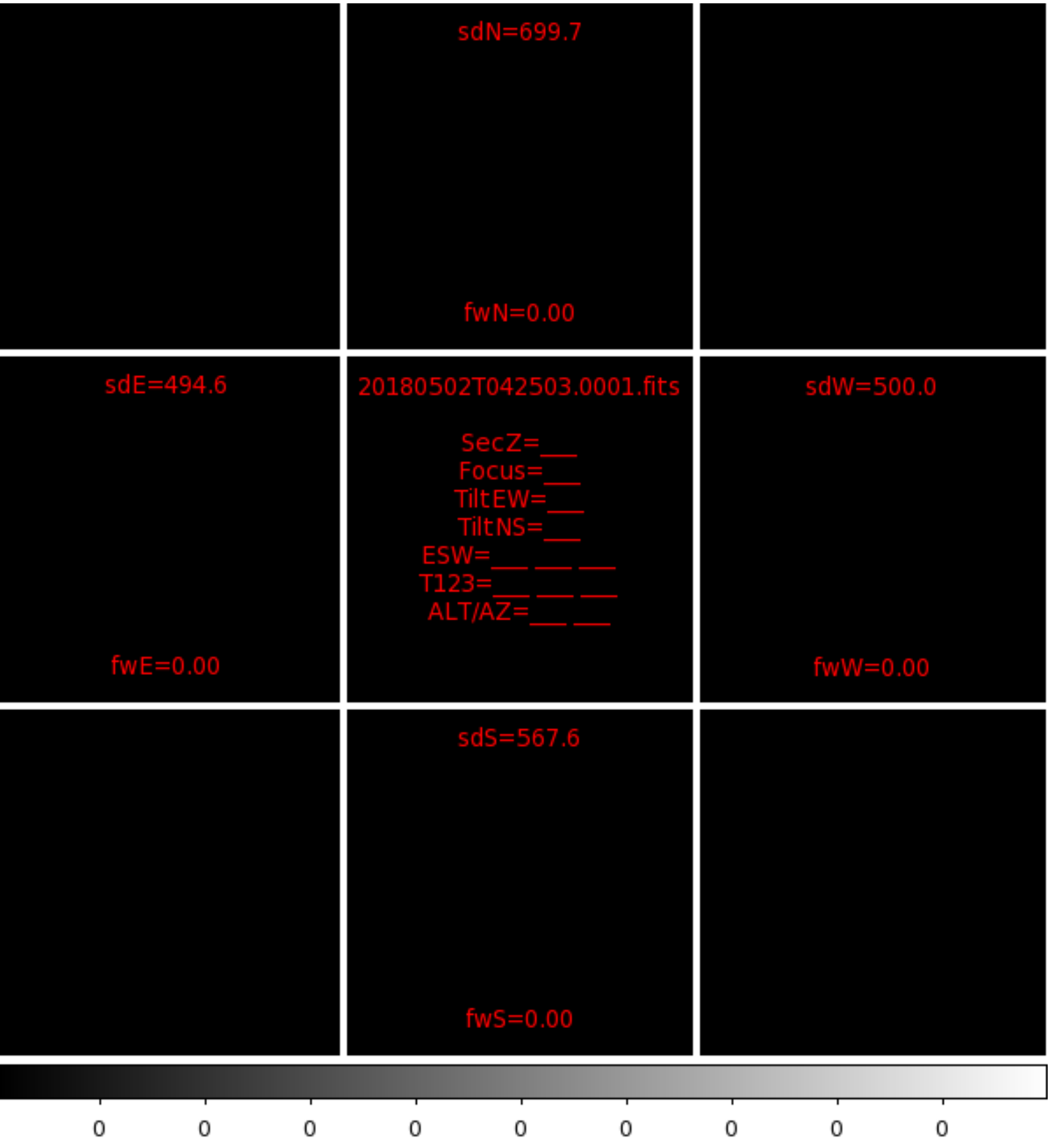

sdN=697.3
fwN=0.00
sdE=493.6
20180502T041629.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=509.7
fwE=0.00
fwW=0.00
sdS=565.1
fwS=0.00
0 0 0 0 0 0 0 0 0

sdN=414.7
fwN=0.00
sdE=280.3
20180502T041817.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=323.5
fwE=0.00
fwW=0.00
sdS=341.5
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=703.8
fwN=0.00
sdE=497.8
fwE=0.00
20180502T041948.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=502.8
fwW=0.00
sdS=571.1
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=697.7
fwN=0.00
sdE=493.5
20180502T042133.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=498.7
fwE=0.00
fwW=0.00
sdS=566.2
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=700.8
fwN=0.00
sdE=495.6
20180502T042319.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=500.8
fwE=0.00
fwW=0.00
sdS=568.6
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=699.7
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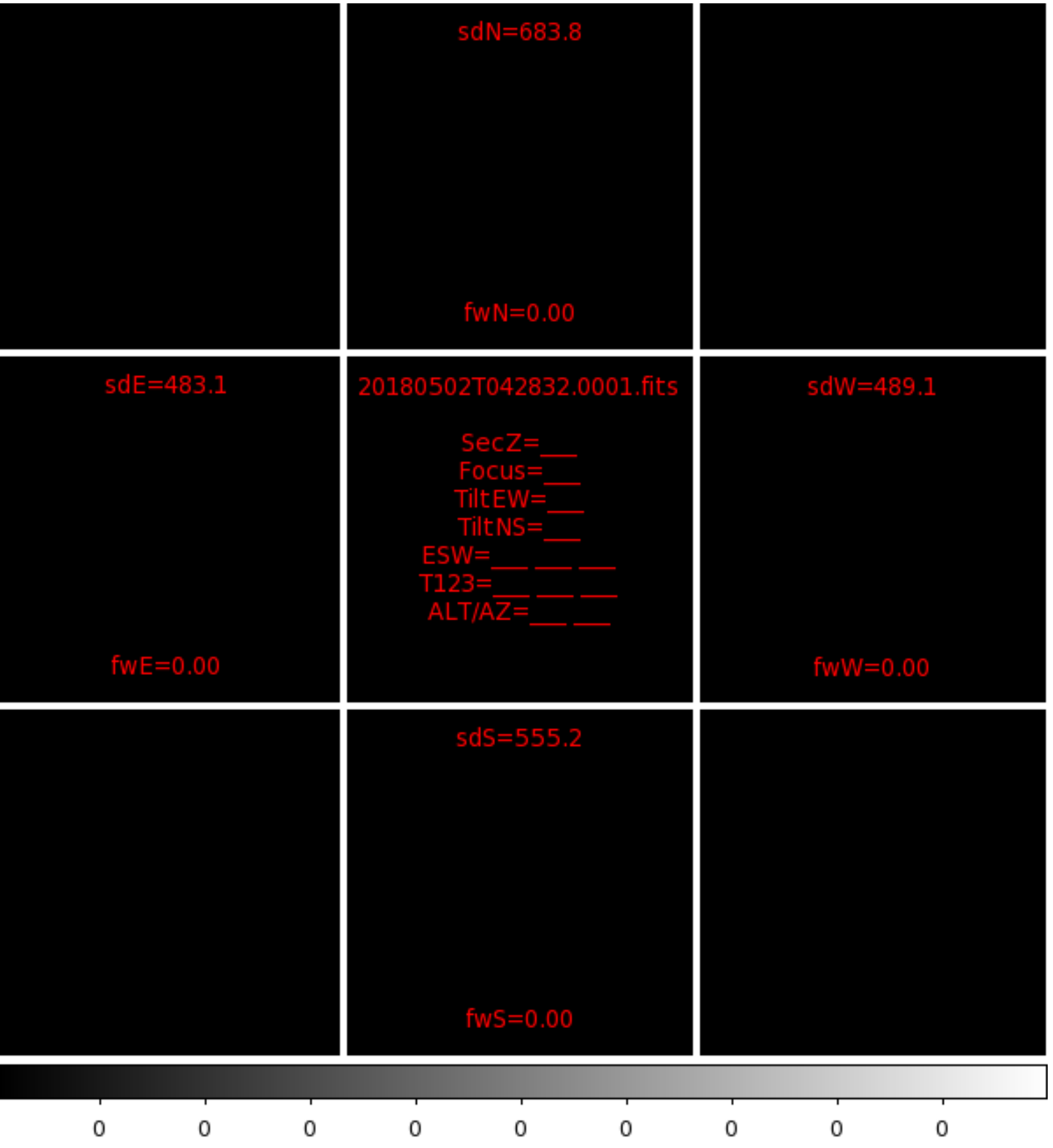
sdE=494.6
fwE=0.00
20180502T042503.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=500.0
fwW=0.00
sdS=567.6
fwS=0.00
0 0 0 0 0 0 0 0 0

sdN=712.7
fwN=0.00
sdE=503.6
fwE=0.00
20180502T042648.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=509.0
fwW=0.00
sdS=577.9
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=683.8
fwN=0.00
sdE=483.1
20180502T042832.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=489.1
fwE=0.00
fwW=0.00
sdS=555.2
fwS=0.00
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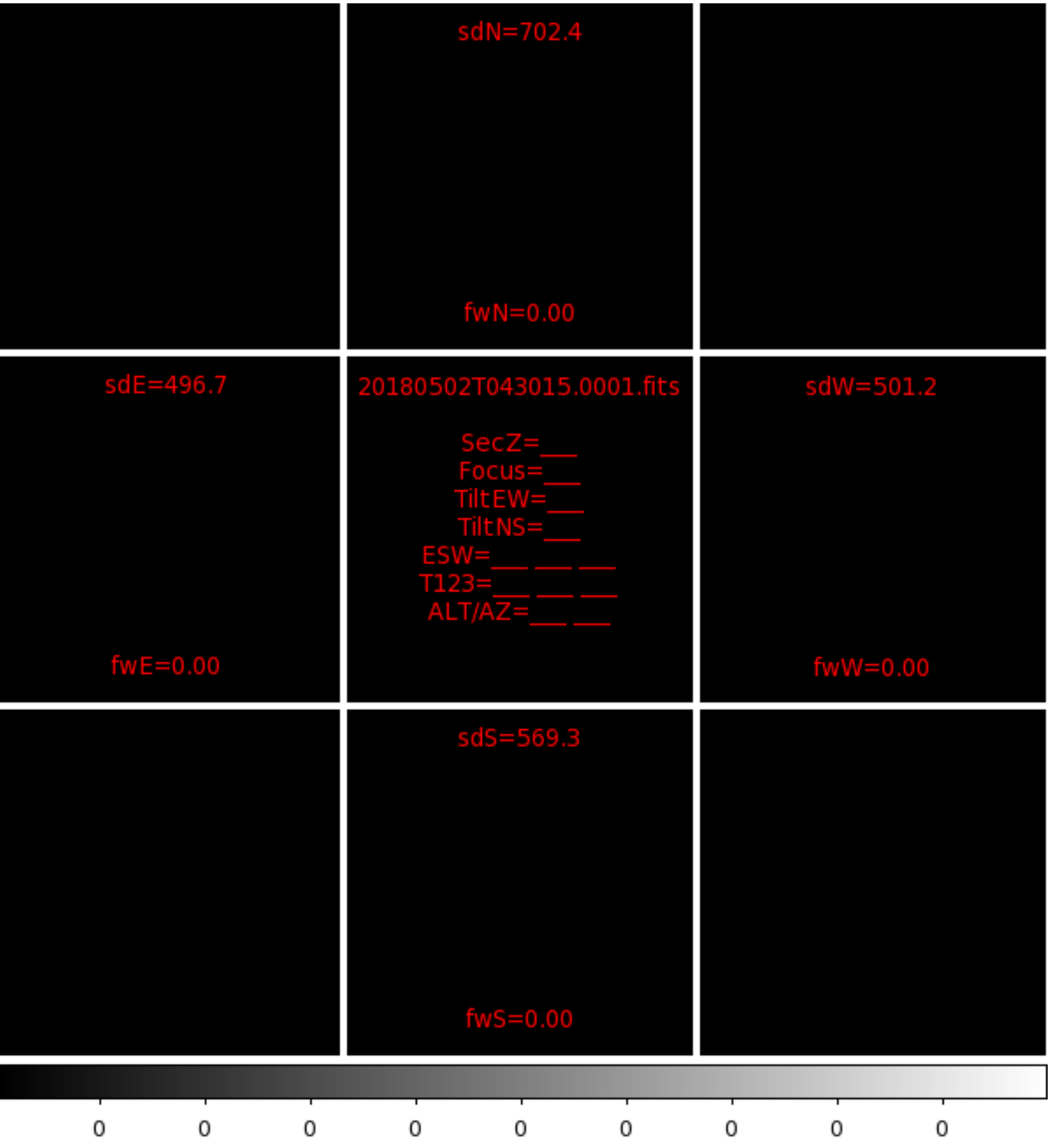
sdN=702.4
fwN=0.00
sdE=496.7
20180502T043015.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=501.2
fwE=0.00
fwW=0.00
sdS=569.3
fwS=0.00
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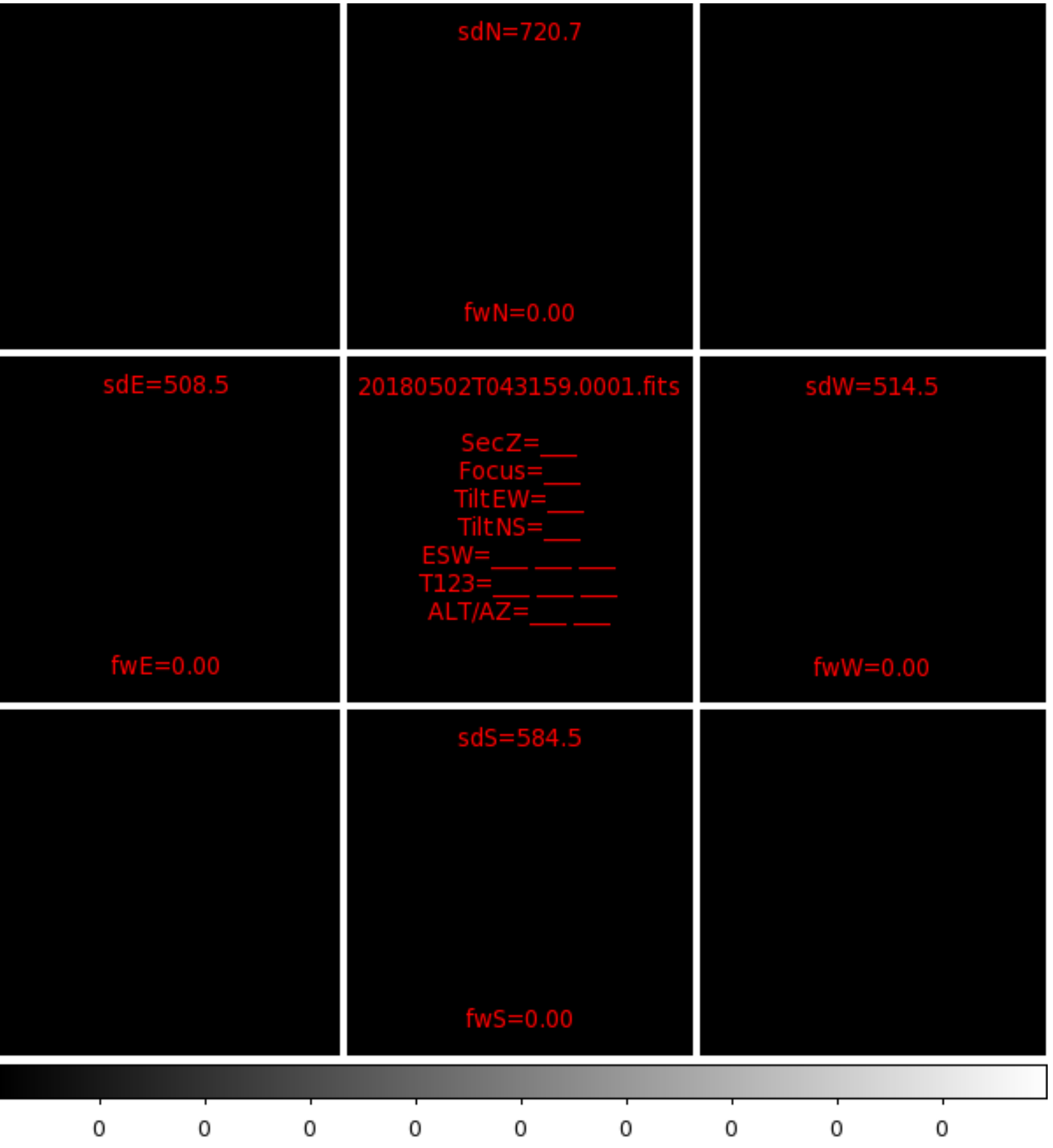
sdN=720.7
fwN=0.00
sdE=508.5
fwE=0.00
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SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=514.5
fwW=0.00
sdS=584.5
fwS=0.00
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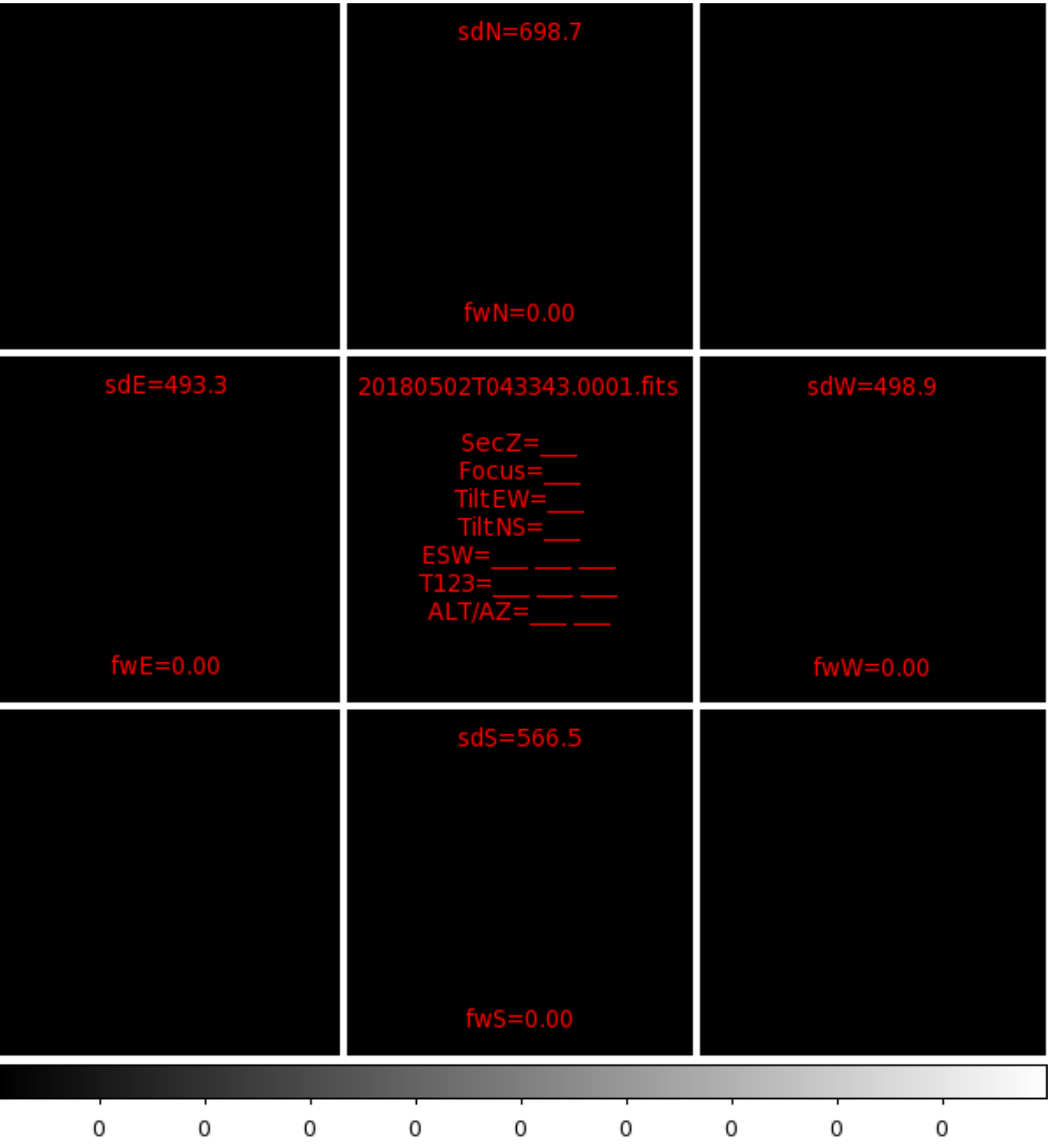
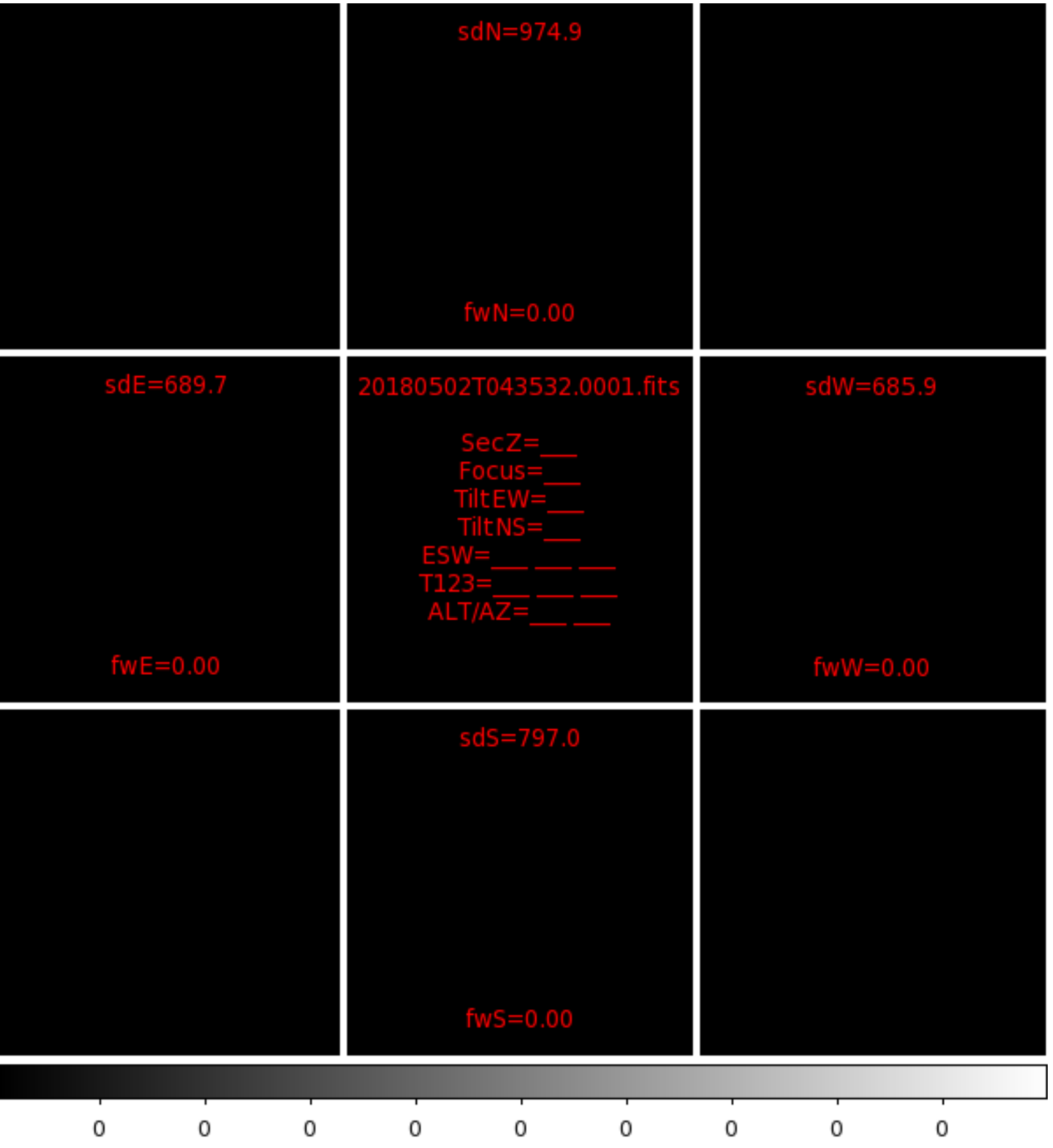

sdN=698.7
fwN=0.00
sdE=493.3
20180502T043343.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=498.9
fwE=0.00
fwW=0.00
sdS=566.5
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=974.9
fwN=0.00
sdE=689.7
20180502T043532.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=685.9
fwE=0.00
fwW=0.00
sdS=797.0
fwS=0.00
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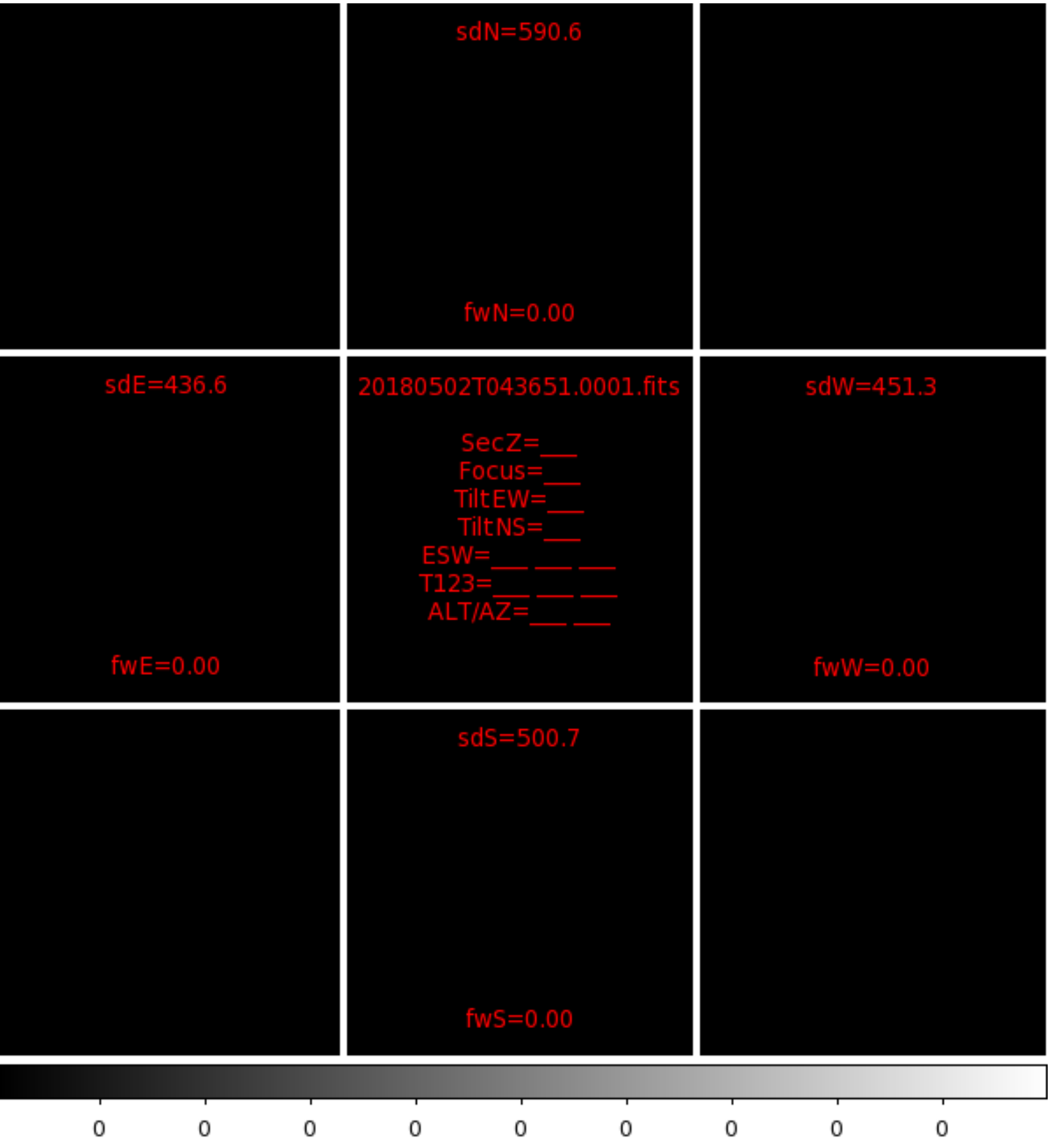
sdN=590.6
fwN=0.00
sdE=436.6
20180502T043651.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=451.3
fwE=0.00
fwW=0.00
sdS=500.7
fwS=0.00
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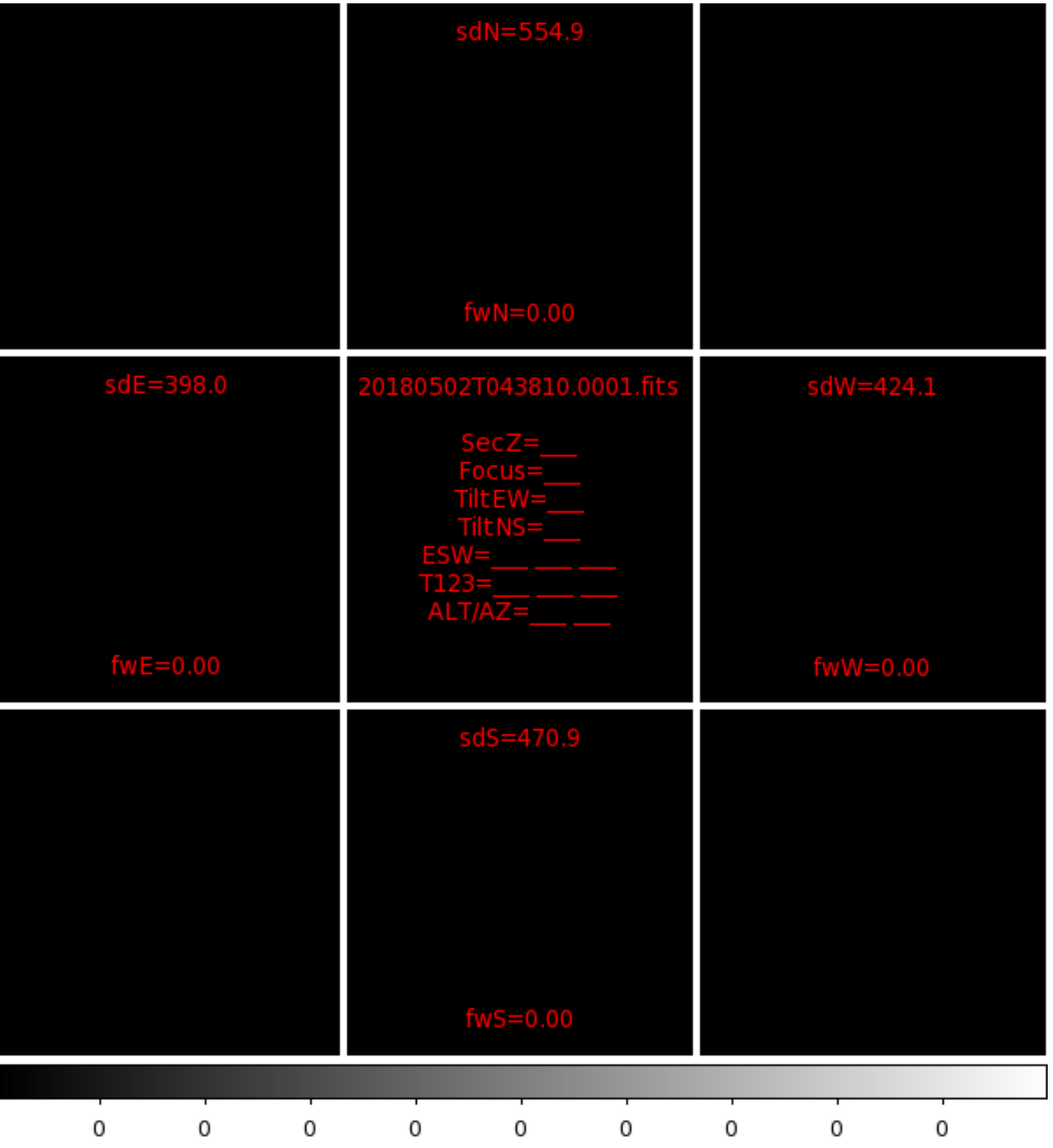
sdN=554.9
fwN=0.00
sdE=398.0
20180502T043810.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=424.1
fwE=0.00
fwW=0.00
sdS=470.9
fwS=0.00
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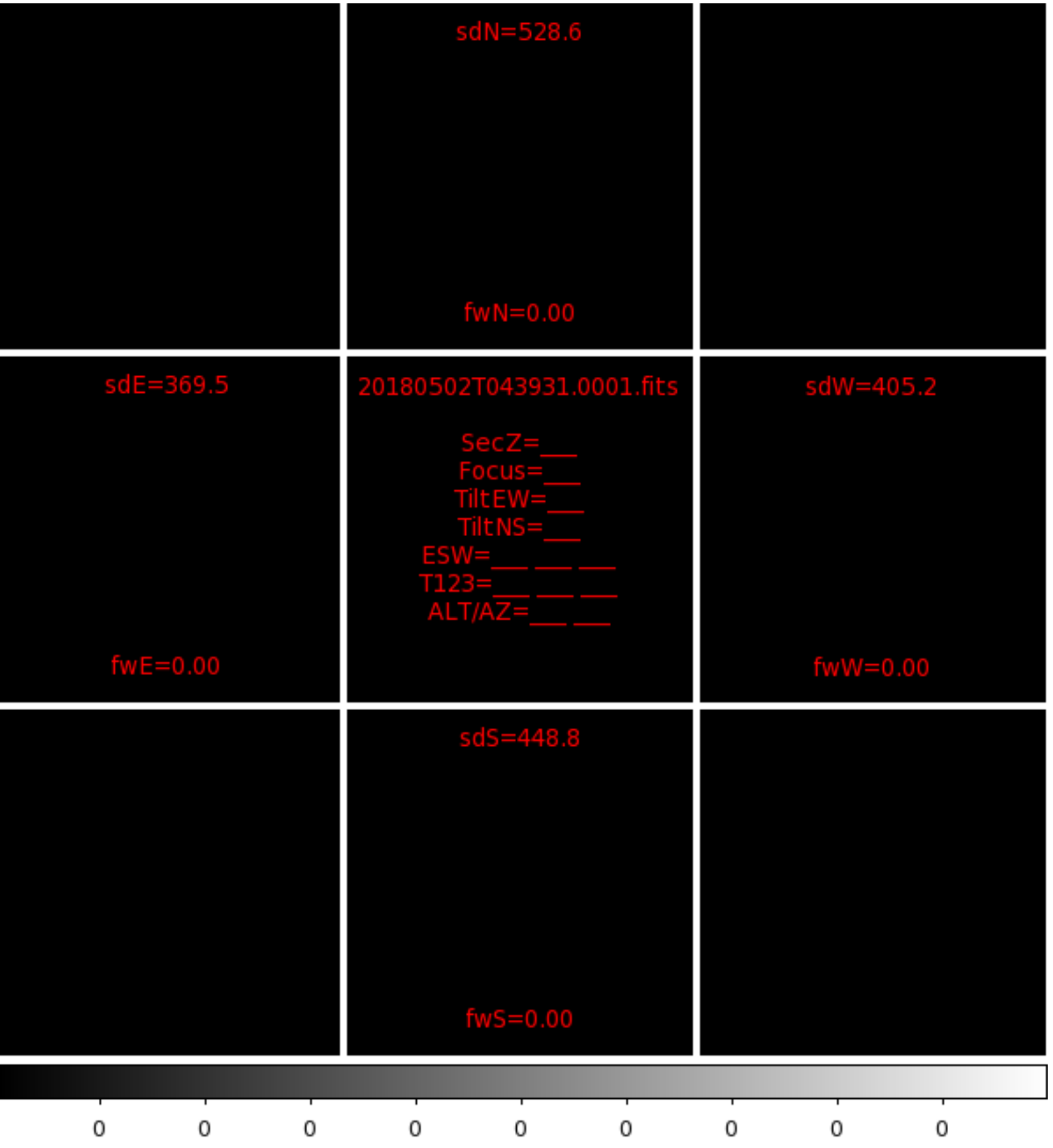
sdN=528.6
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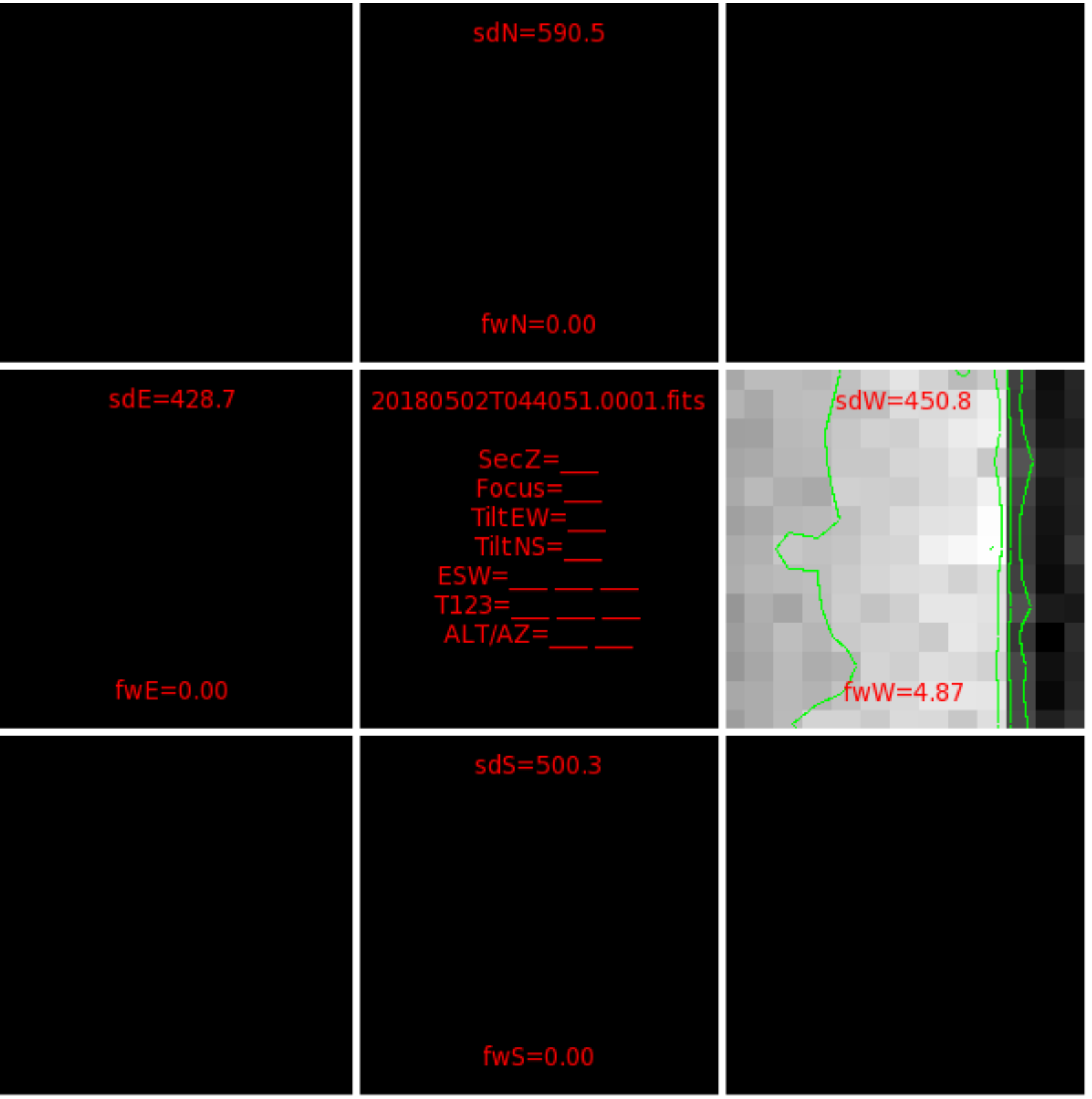
sdE=369.5
20180502T043931.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=405.2
fwE=0.00
fwW=0.00
sdS=448.8
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=590.5
fwN=0.00
sdE=428.7
fwE=0.00
20180502T044051.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=450.8
fwW=4.87
sdS=500.3
fwS=0.00
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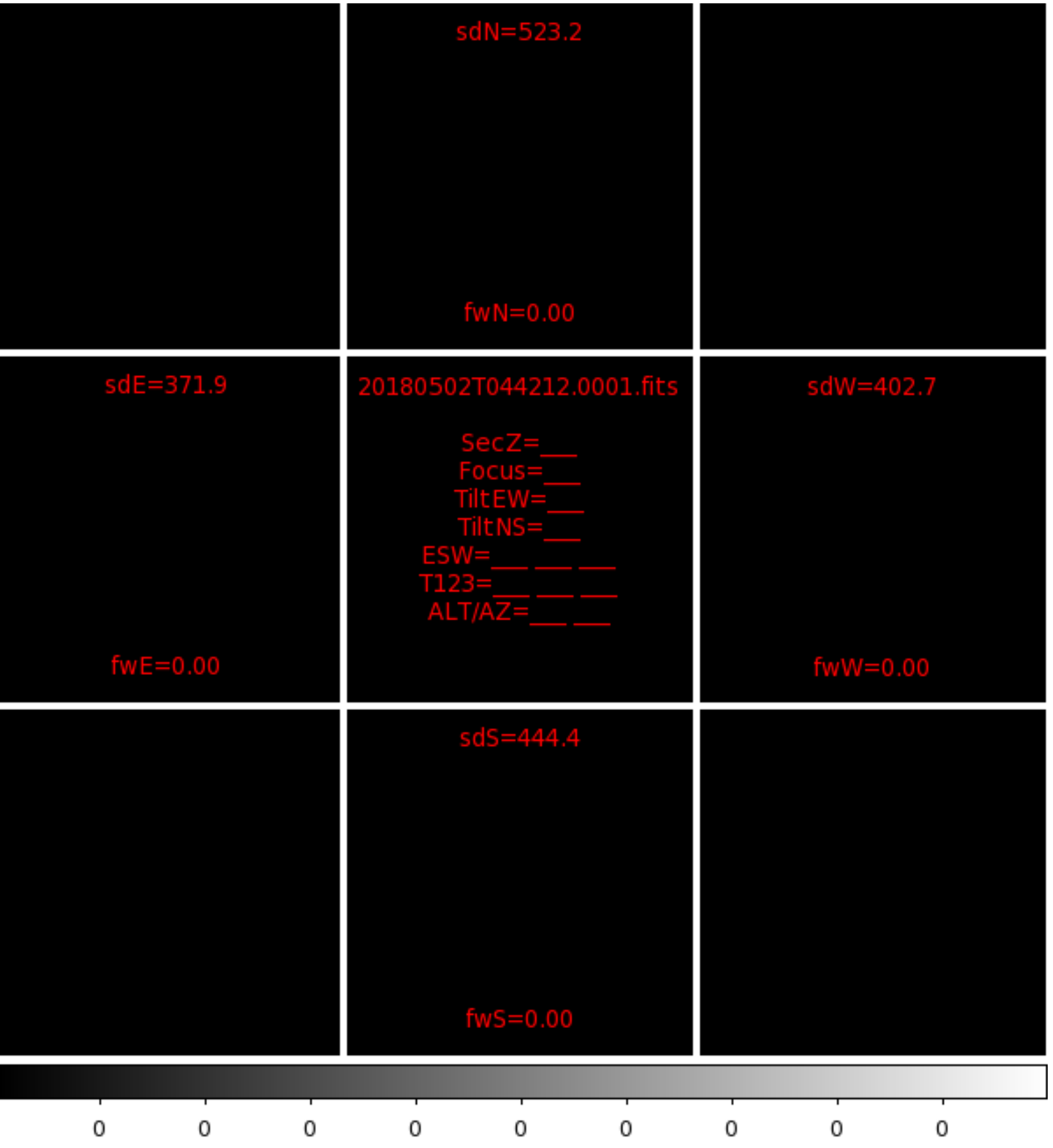
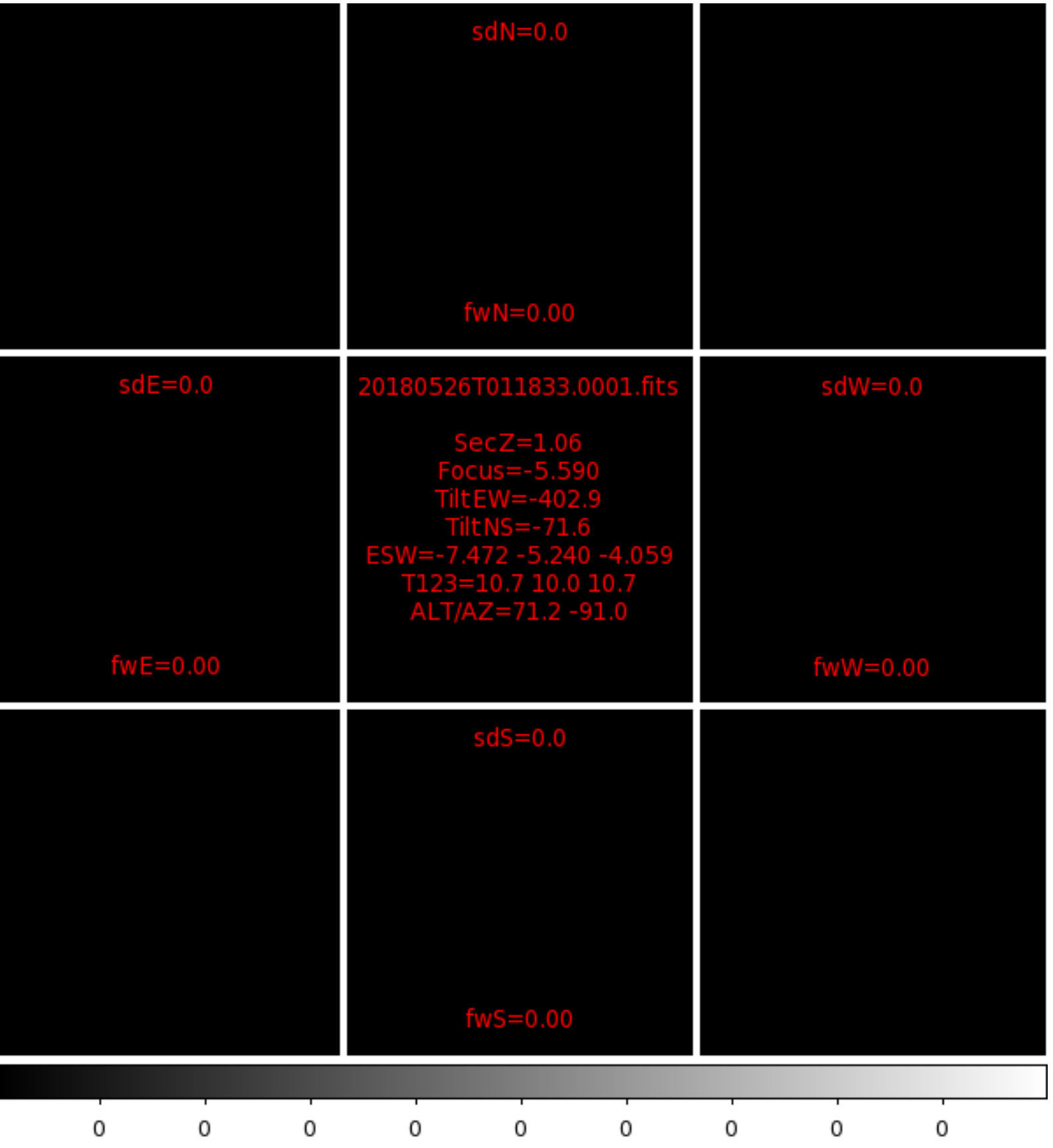
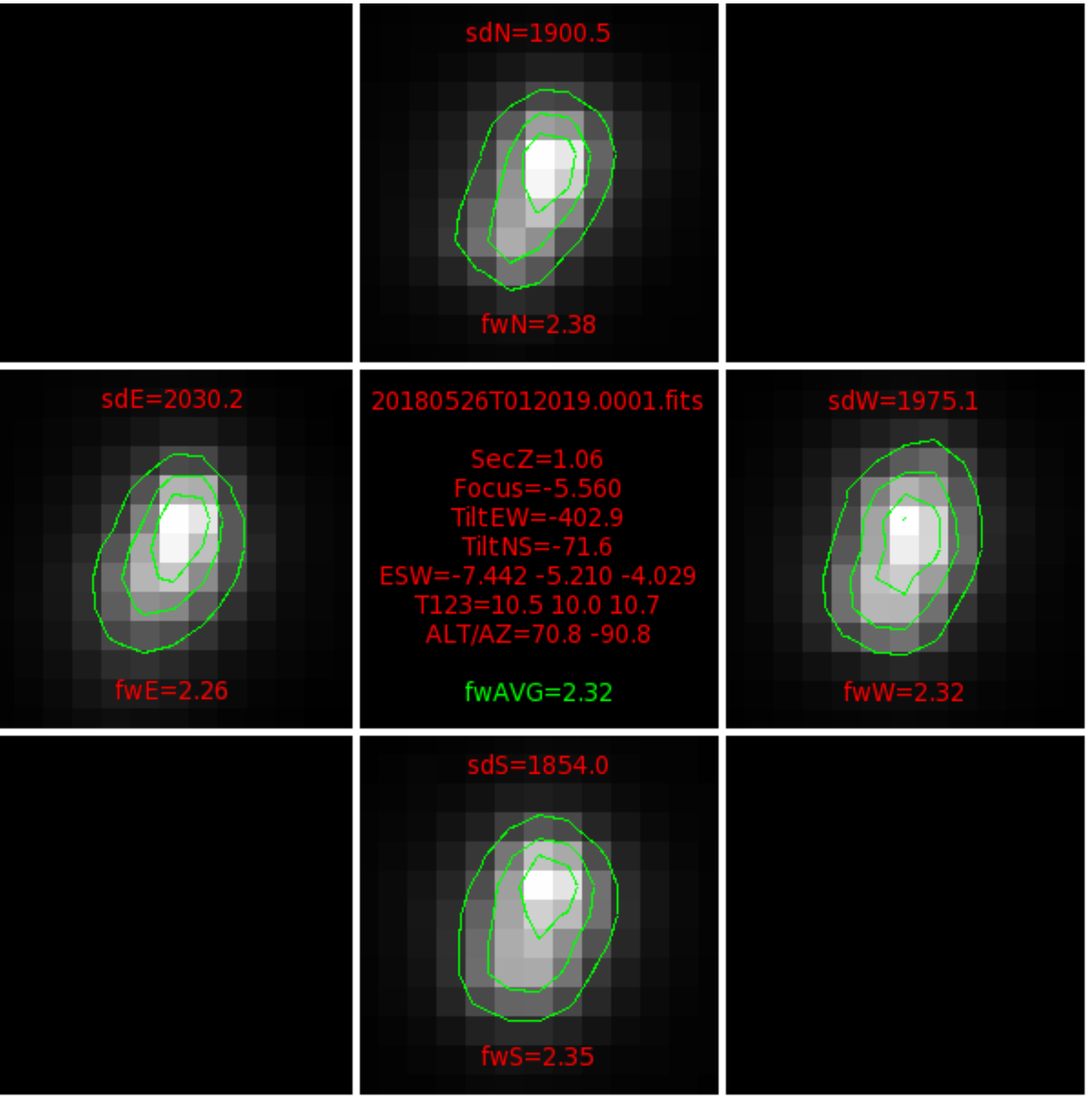

sdN=523.2
fwN=0.00
sdE=371.9
20180502T044212.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=402.7
fwE=0.00
fwW=0.00
sdS=444.4
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=0.0
fwN=0.00
sdE=0.0
20180526T011833.0001.fits
SecZ=1.06
Focus=-5.590
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.472 -5.240 -4.059
T123=10.7 10.0 10.7
ALT/AZ=71.2 -91.0
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=1900.5
fwN=2.38
sdE=2030.2
fwE=2.26
20180526T012019.0001.fits
SecZ=1.06
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=10.5 10.0 10.7
ALT/AZ=70.8 -90.8
fwAVG=2.32
sdW=1975.1
fwW=2.32
sdS=1854.0
fwS=2.35
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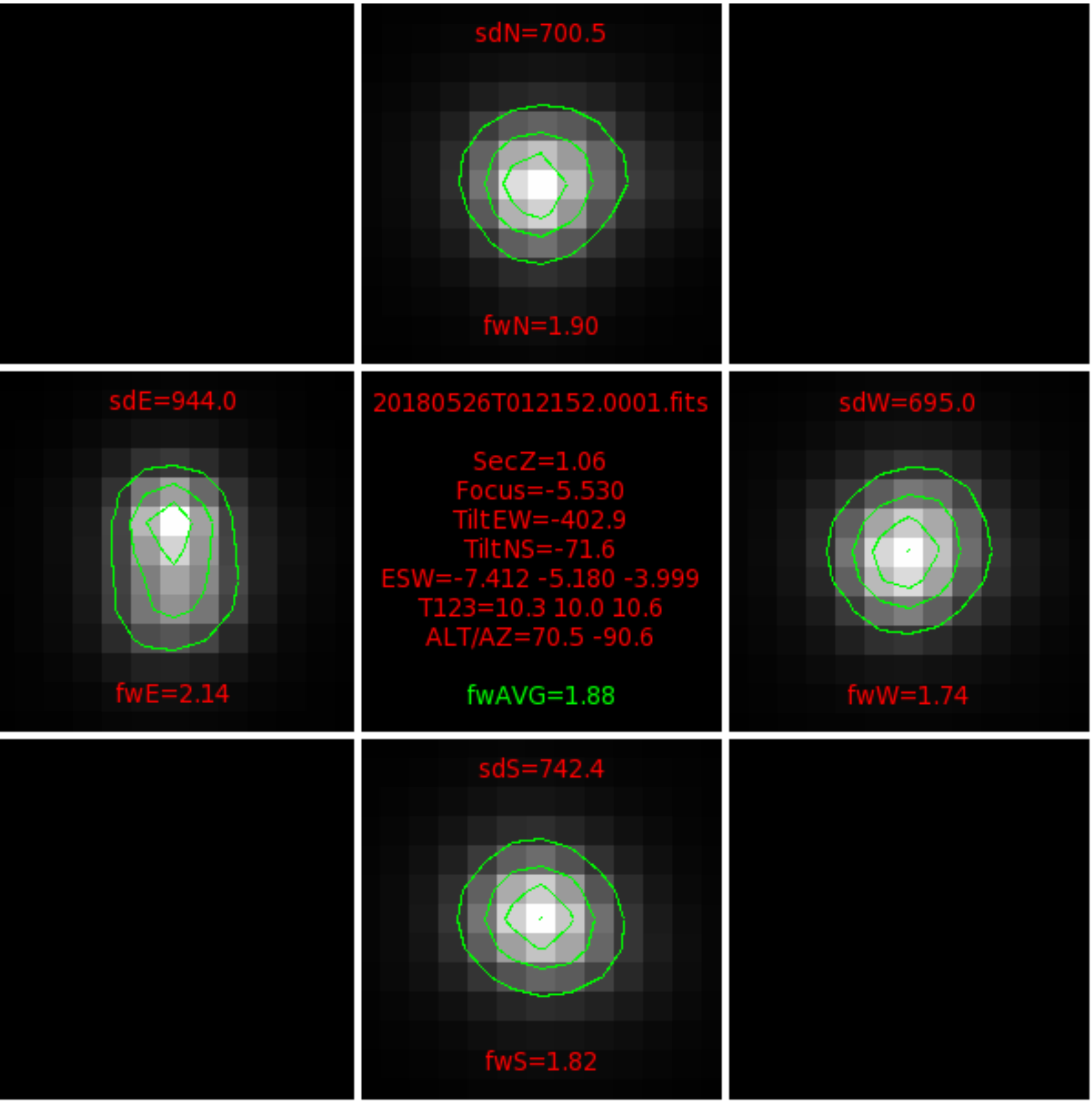
sdN=700.5
fwN=1.90
sdE=944.0
fwE=2.14
20180526T012152.0001.fits
SecZ=1.06
Focus=-5.530
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.412 -5.180 -3.999
T123=10.3 10.0 10.6
ALT/AZ=70.5 -90.6
fwAVG=1.88
sdW=695.0
fwW=1.74
sdS=742.4
fwS=1.82
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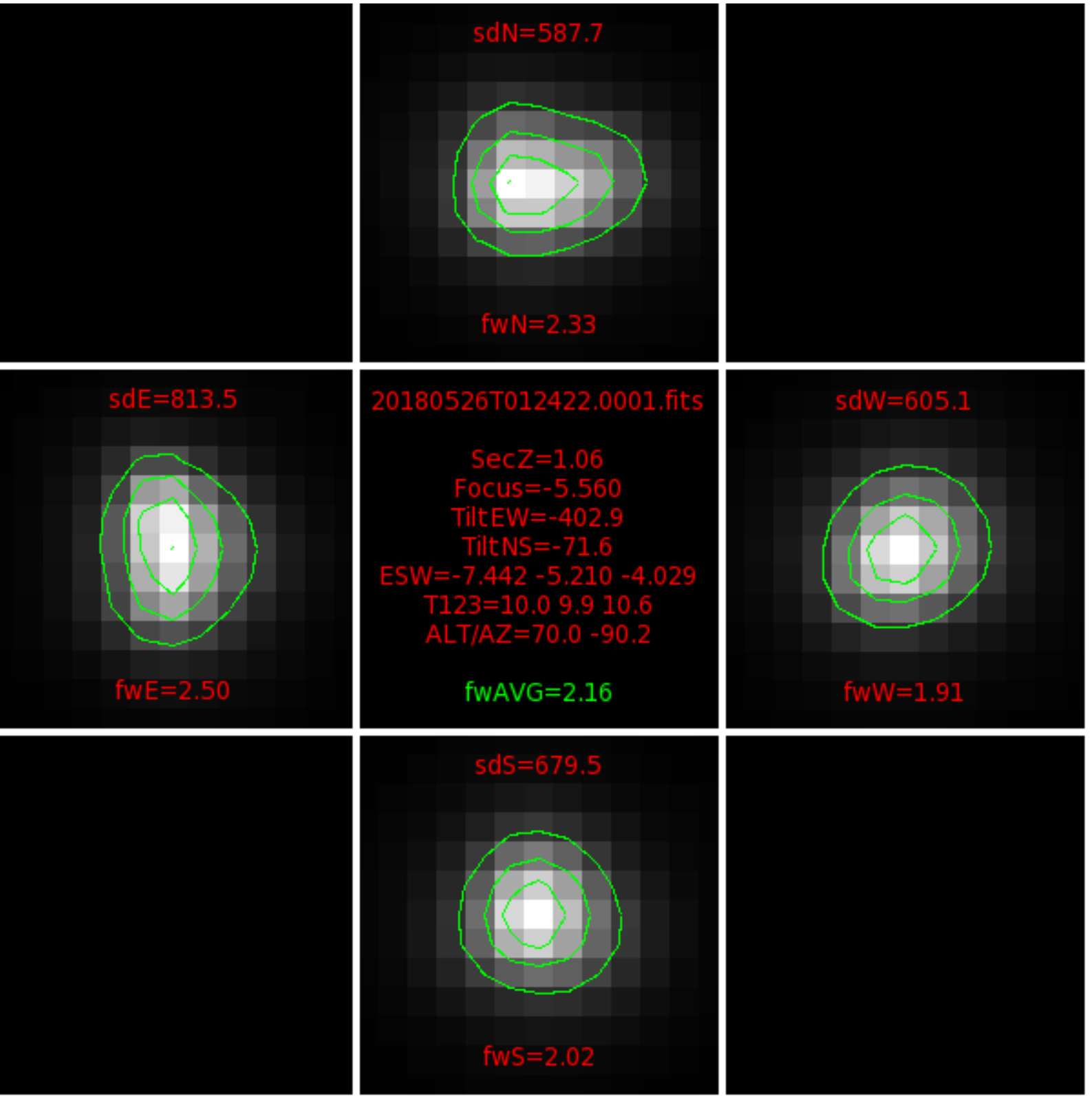
sdN=587.7
fwN=2.33
sdE=813.5
fwE=2.50
20180526T012422.0001.fits
SecZ=1.06
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=10.0 9.9 10.6
ALT/AZ=70.0 -90.2
fwAVG=2.16
sdW=605.1
fwW=1.91
sdS=679.5
fwS=2.02
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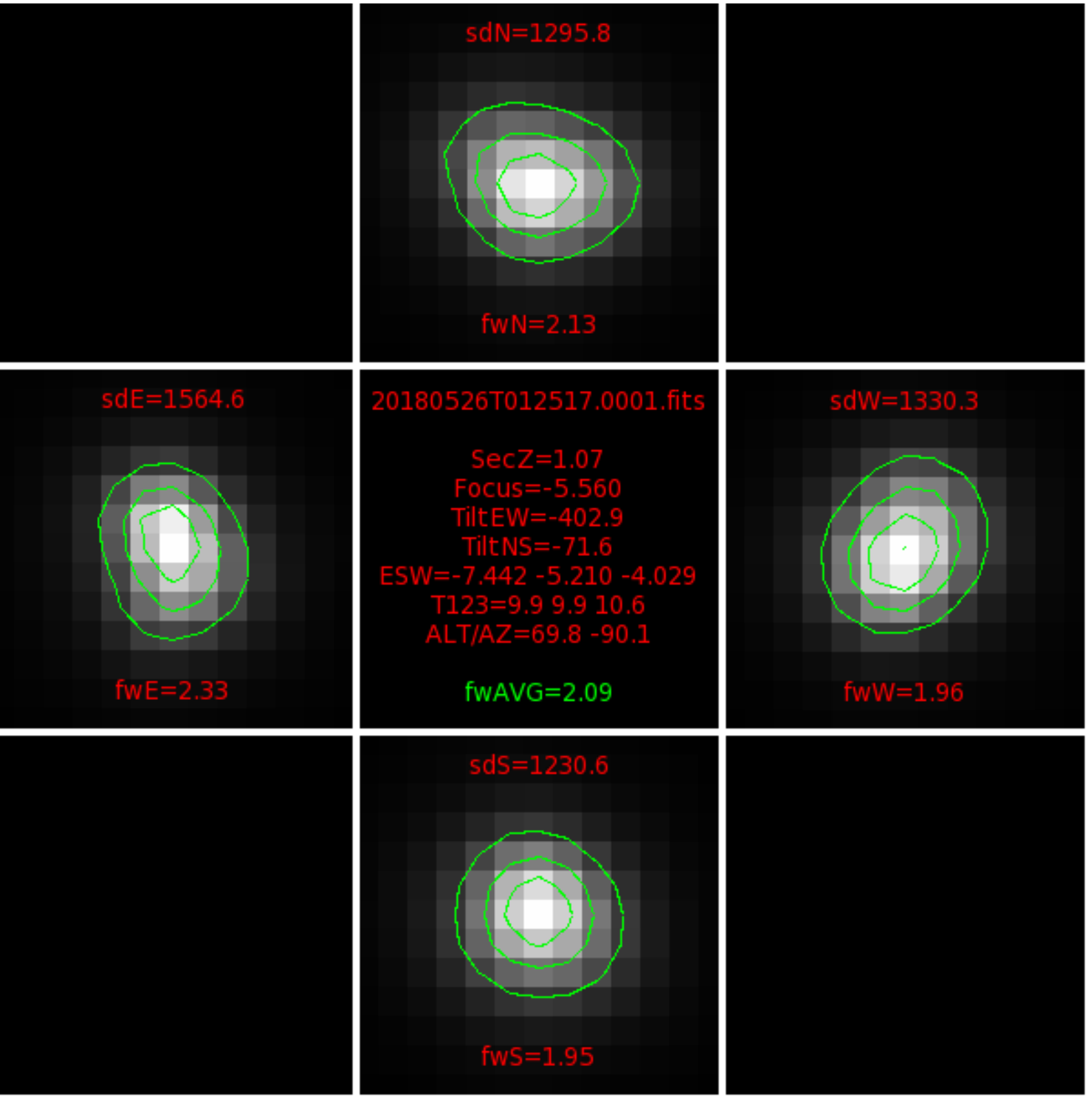
sdN=1295.8
fwN=2.13
sdE=1564.6
fwE=2.33
20180526T012517.0001.fits
SecZ=1.07
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.9 9.9 10.6
ALT/AZ=69.8 -90.1
fwAVG=2.09
sdW=1330.3
fwW=1.96
sdS=1230.6
fwS=1.95
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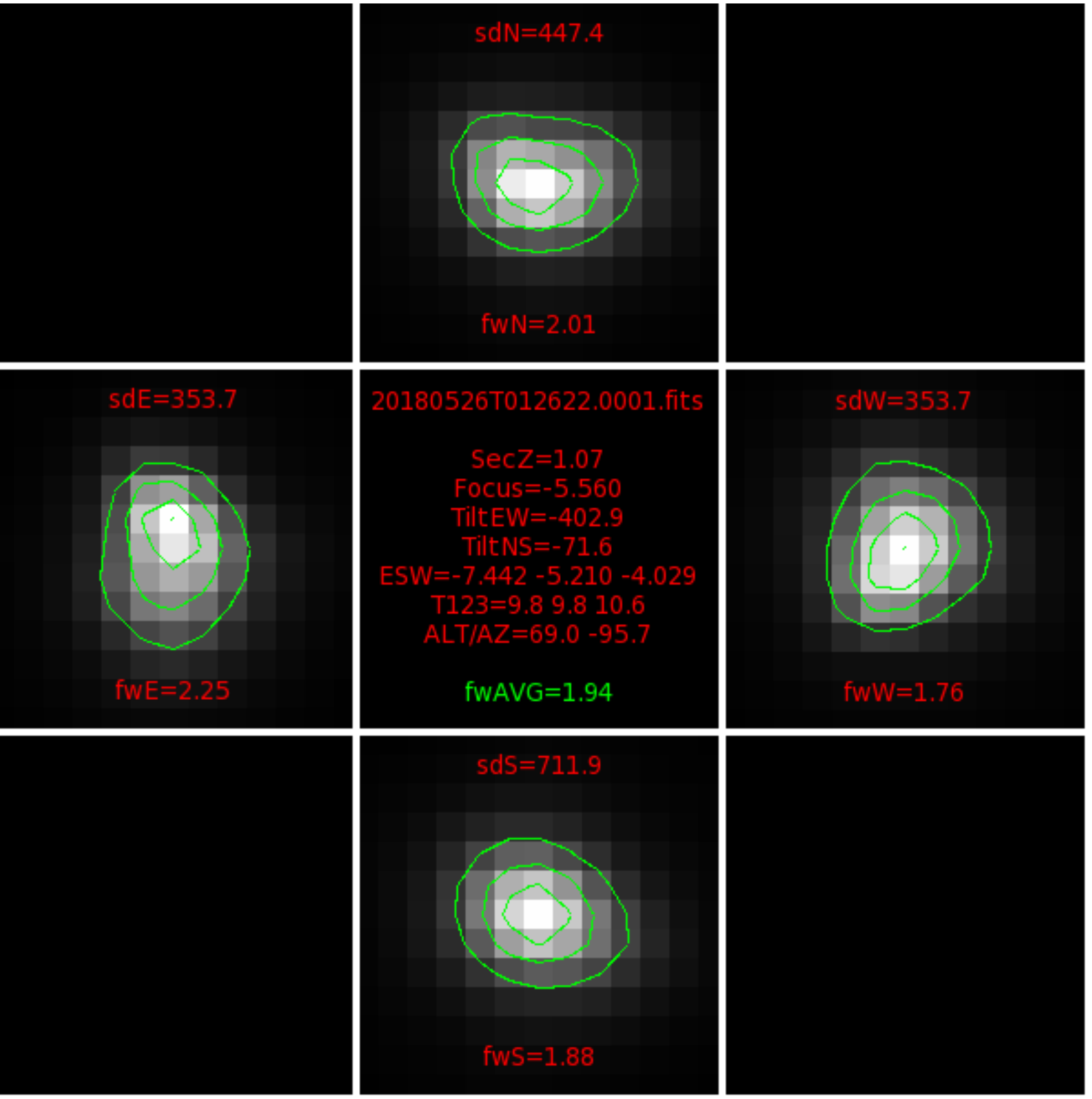
sdN=447.4
fwN=2.01
sdE=353.7
fwE=2.25
20180526T012622.0001.fits
SecZ=1.07
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.8 9.8 10.6
ALT/AZ=69.0 -95.7
fwAVG=1.94
sdW=353.7
fwW=1.76
sdS=711.9
fwS=1.88
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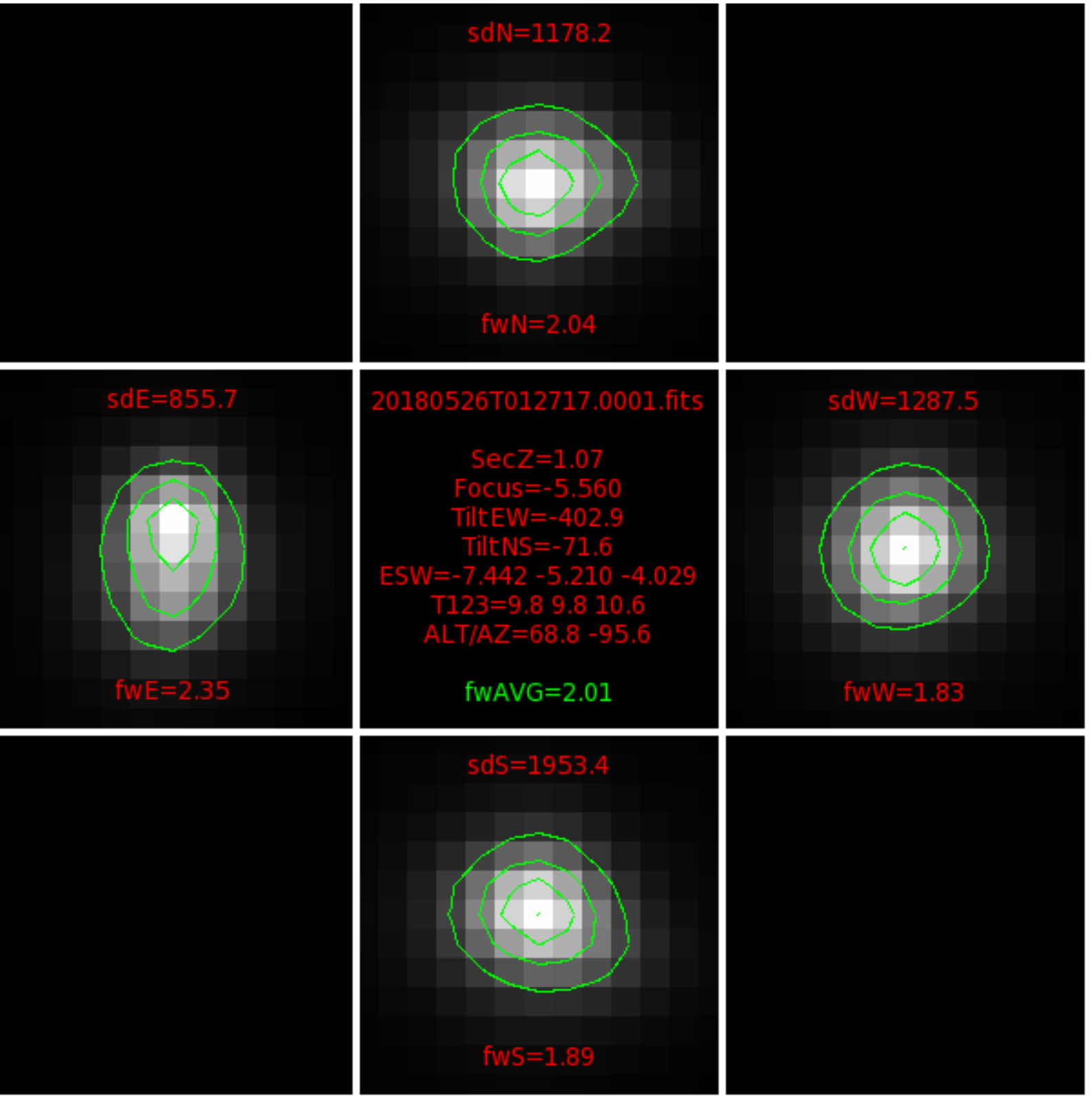
sdN=1178.2
fwN=2.04
sdE=855.7
fwE=2.35
20180526T012717.0001.fits
SecZ=1.07
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.8 9.8 10.6
ALT/AZ=68.8 -95.6
fwAVG=2.01
sdW=1287.5
fwW=1.83
sdS=1953.4
fwS=1.89
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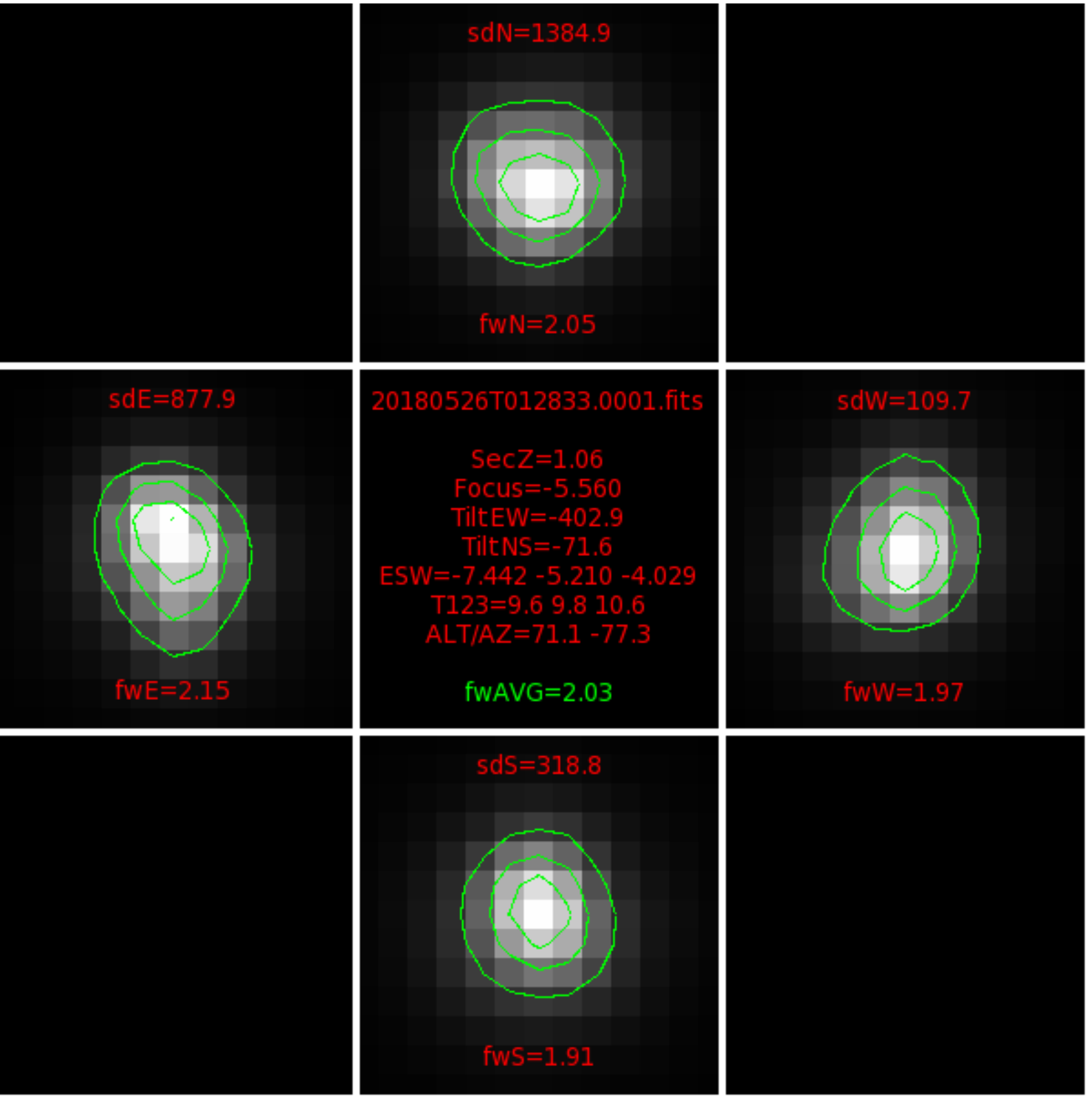
sdN=1384.9
fwN=2.05
sdE=877.9
fwE=2.15
20180526T012833.0001.fits
SecZ=1.06
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.6 9.8 10.6
ALT/AZ=71.1 -77.3
fwAVG=2.03
sdW=109.7
fwW=1.97
sdS=318.8
fwS=1.91
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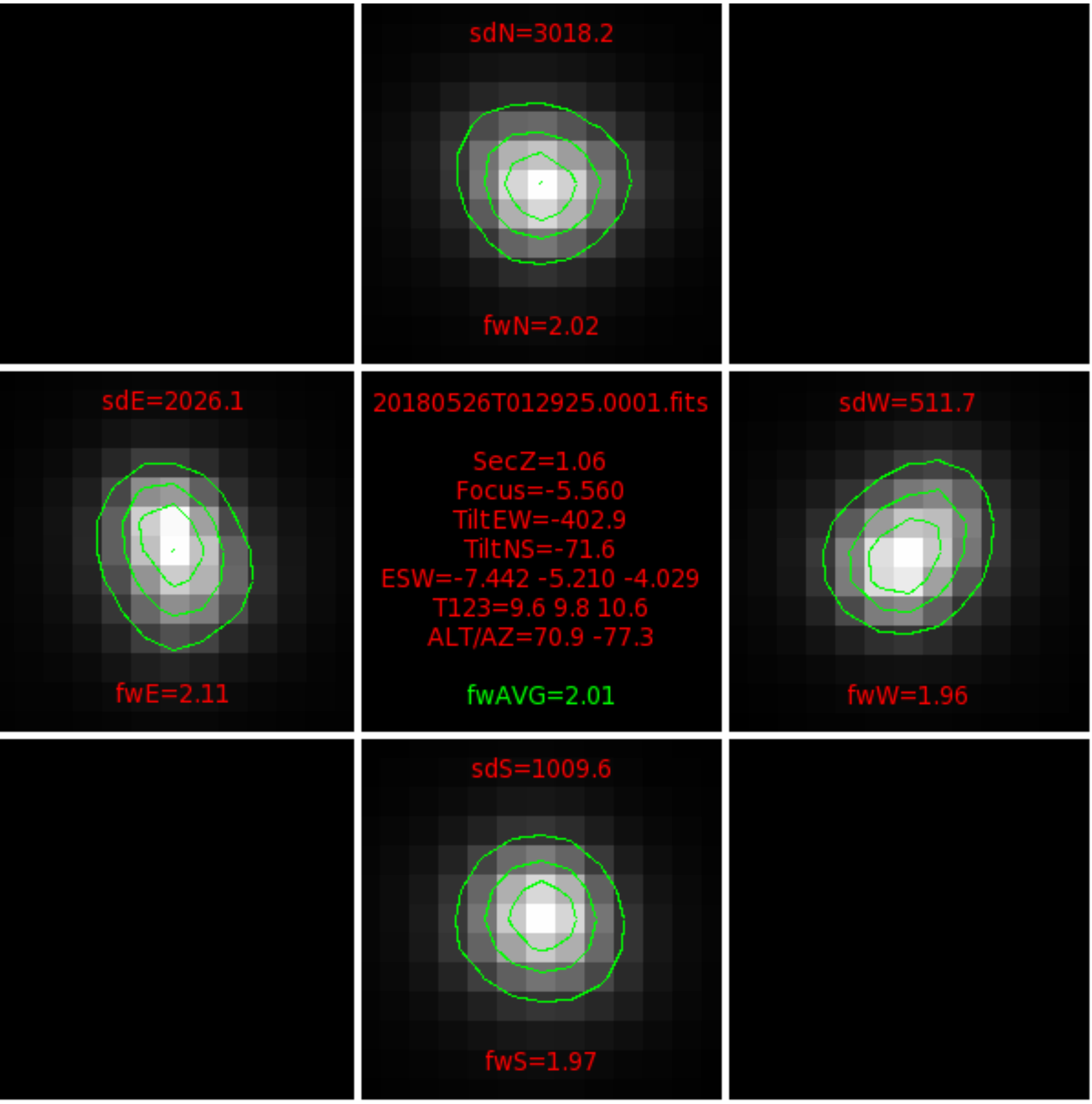
sdN=3018.2
fwN=2.02
sdE=2026.1
fwE=2.11
20180526T012925.0001.fits
SecZ=1.06
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.6 9.8 10.6
ALT/AZ=70.9 -77.3
fwAVG=2.01
sdW=511.7
fwW=1.96
sdS=1009.6
fwS=1.97
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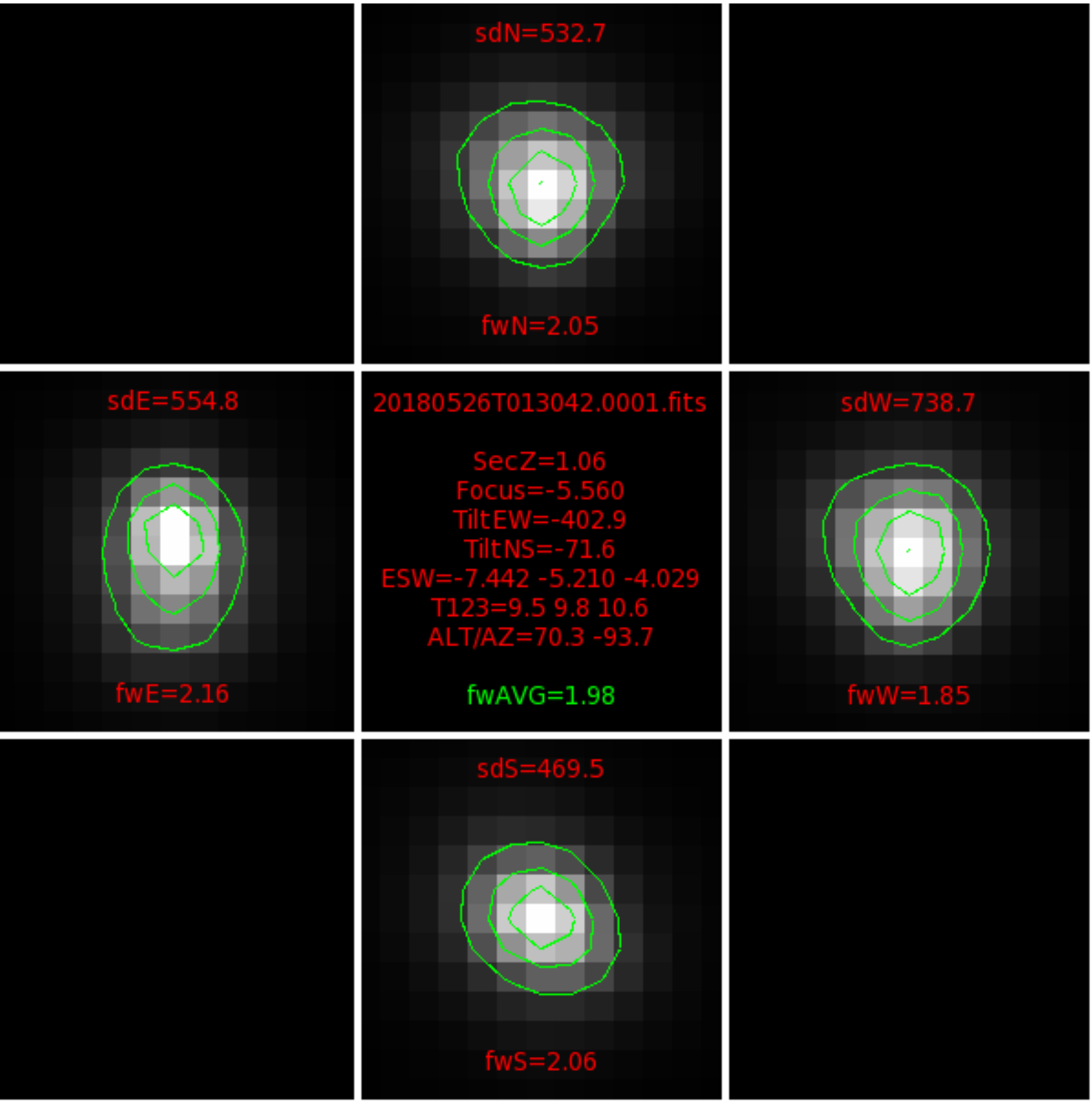
sdN=532.7
fwN=2.05
sdE=554.8
fwE=2.16
20180526T013042.0001.fits
SecZ=1.06
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.5 9.8 10.6
ALT/AZ=70.3 -93.7
fwAVG=1.98
sdW=738.7
fwW=1.85
sdS=469.5
fwS=2.06
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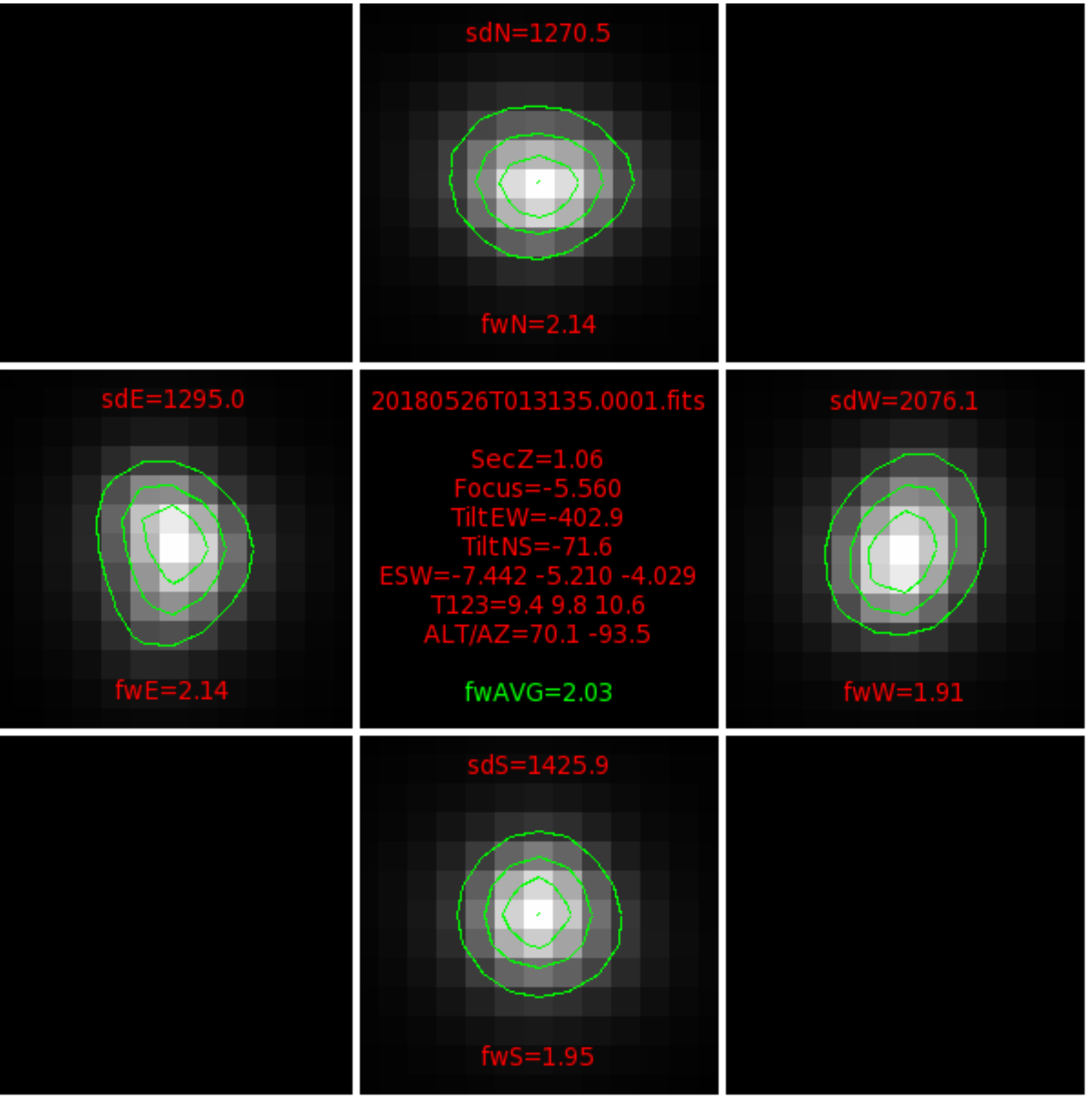
sdN=1270.5
fwN=2.14
sdE=1295.0
fwE=2.14
20180526T013135.0001.fits
SecZ=1.06
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.4 9.8 10.6
ALT/AZ=70.1 -93.5
fwAVG=2.03
sdW=2076.1
fwW=1.91
sdS=1425.9
fwS=1.95
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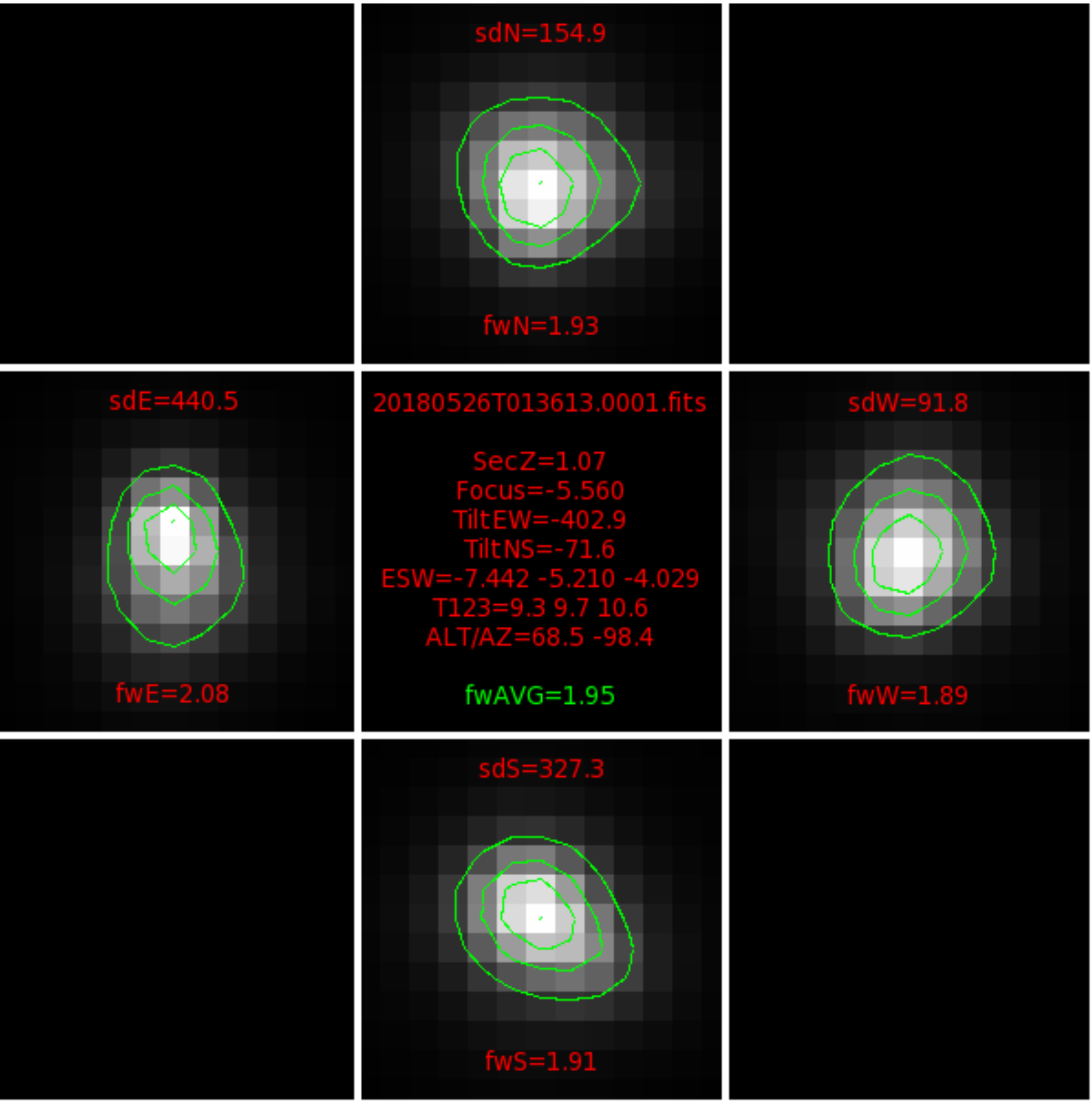
sdN=154.9
fwN=1.93
sdE=440.5
fwE=2.08
20180526T013613.0001.fits
SecZ=1.07
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.3 9.7 10.6
ALT/AZ=68.5 -98.4
fwAVG=1.95
sdW=91.8
fwW=1.89
sdS=327.3
fwS=1.91
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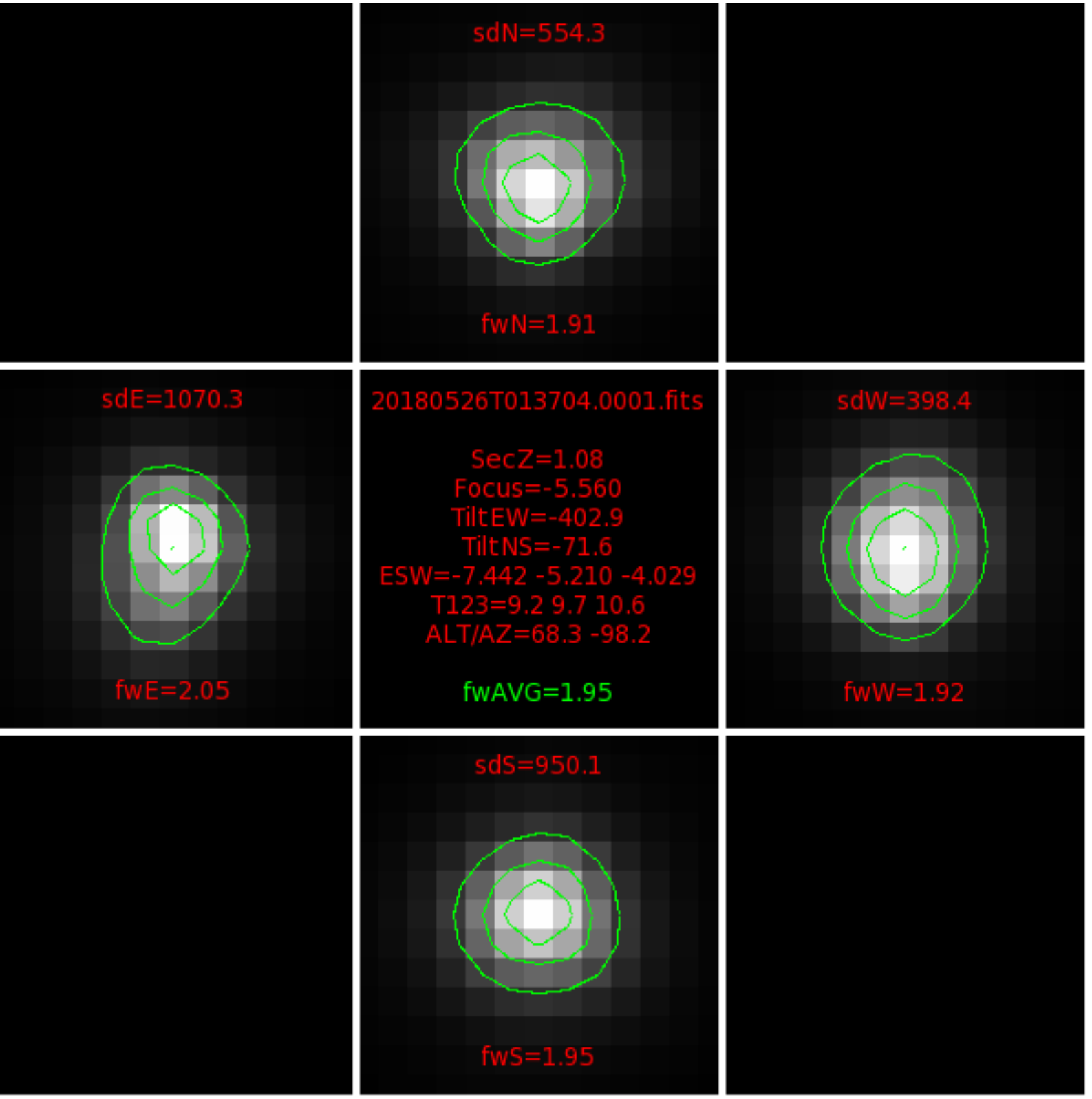
sdN=554.3
fwN=1.91
sdE=1070.3
fwE=2.05
20180526T013704.0001.fits
SecZ=1.08
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.2 9.7 10.6
ALT/AZ=68.3 -98.2
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sdW=398.4
fwW=1.92
sdS=950.1
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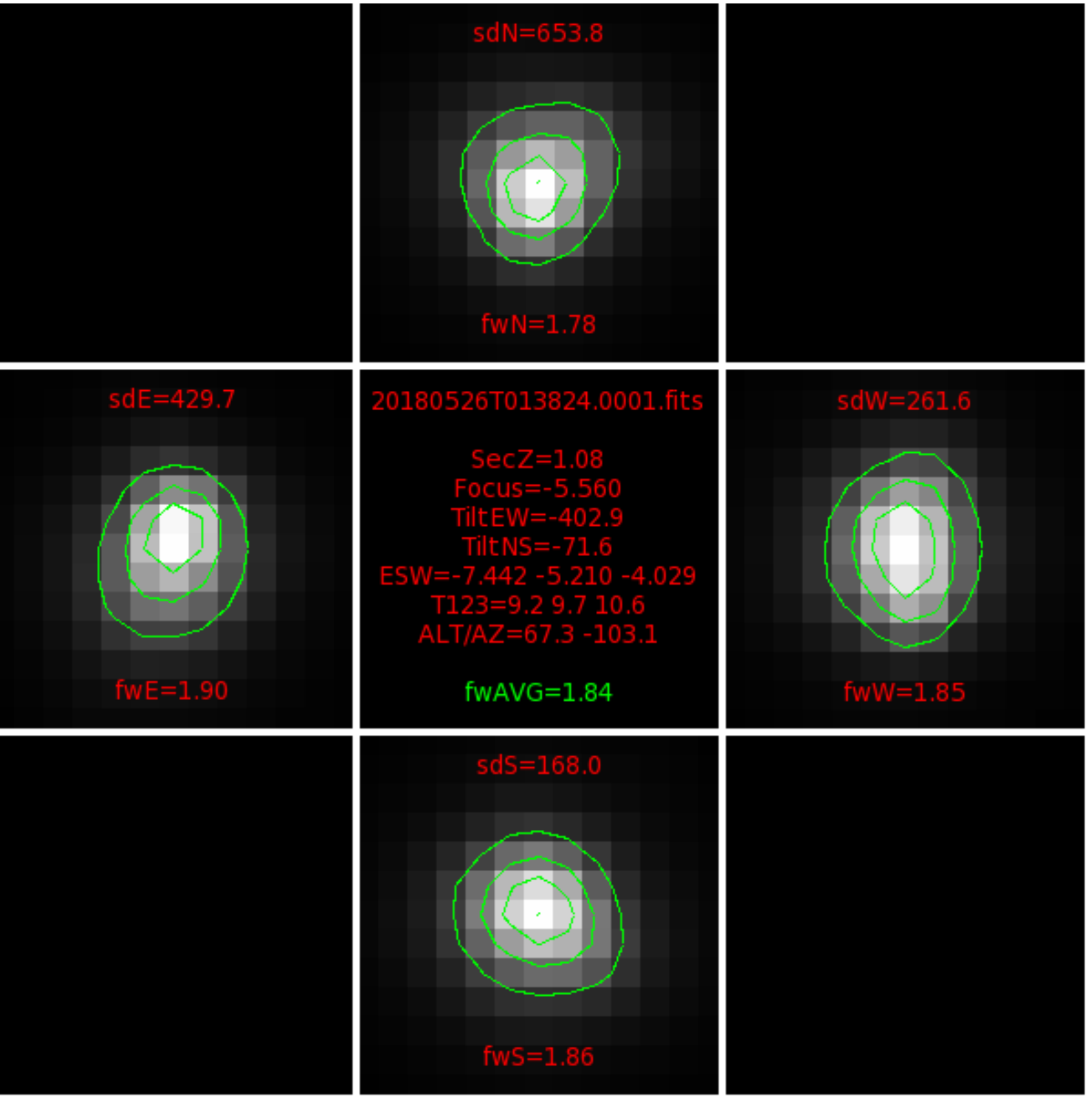
sdN=653.8
fwN=1.78
sdE=429.7
fwE=1.90
20180526T013824.0001.fits
SecZ=1.08
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.2 9.7 10.6
ALT/AZ=67.3 -103.1
fwAVG=1.84
sdW=261.6
fwW=1.85
sdS=168.0
fwS=1.86
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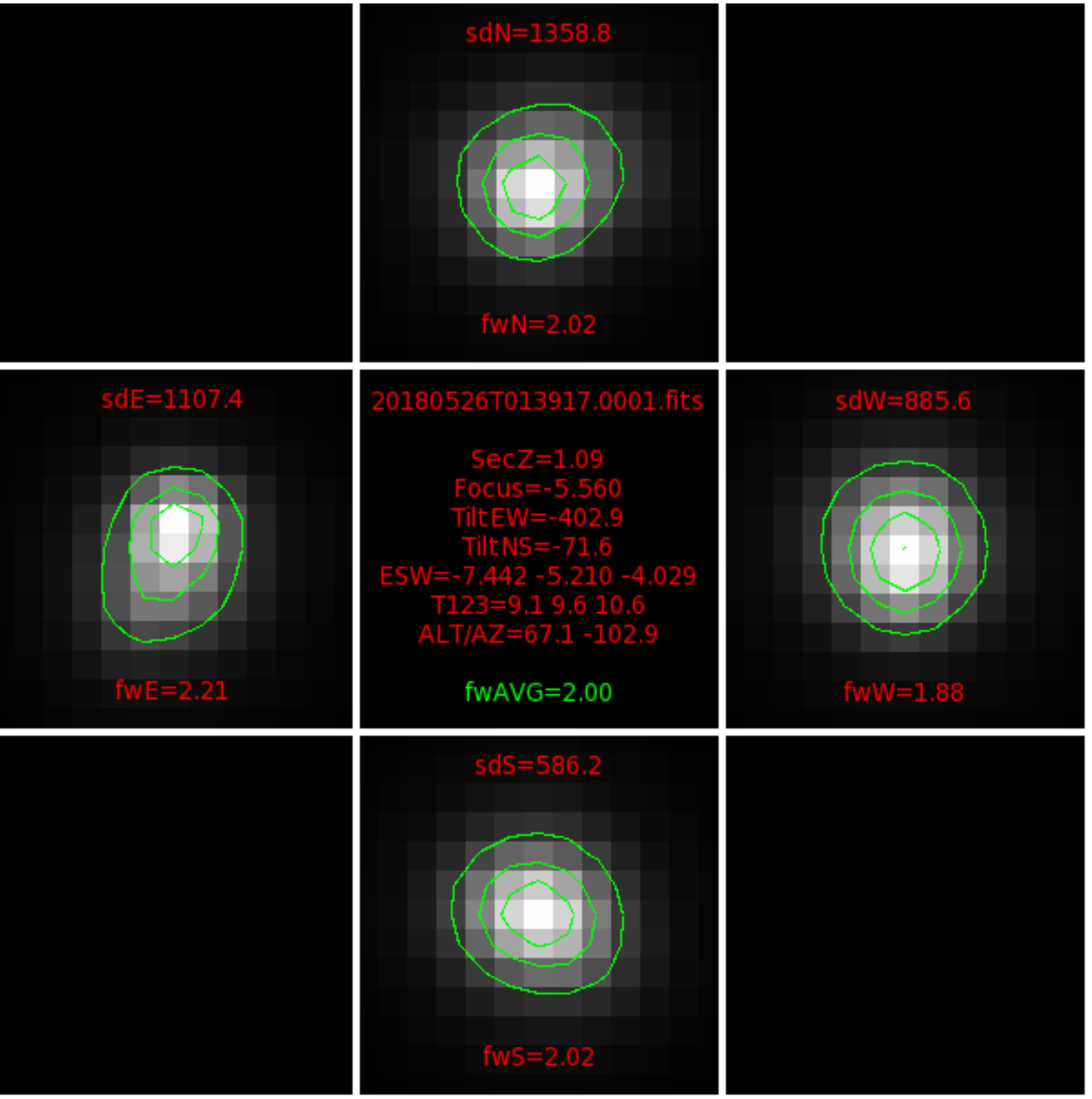
sdN=1358.8
fwN=2.02
sdE=1107.4
fwE=2.21
20180526T013917.0001.fits
SecZ=1.09
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.1 9.6 10.6
ALT/AZ=67.1 -102.9
fwAVG=2.00
sdW=885.6
fwW=1.88
sdS=586.2
fwS=2.02
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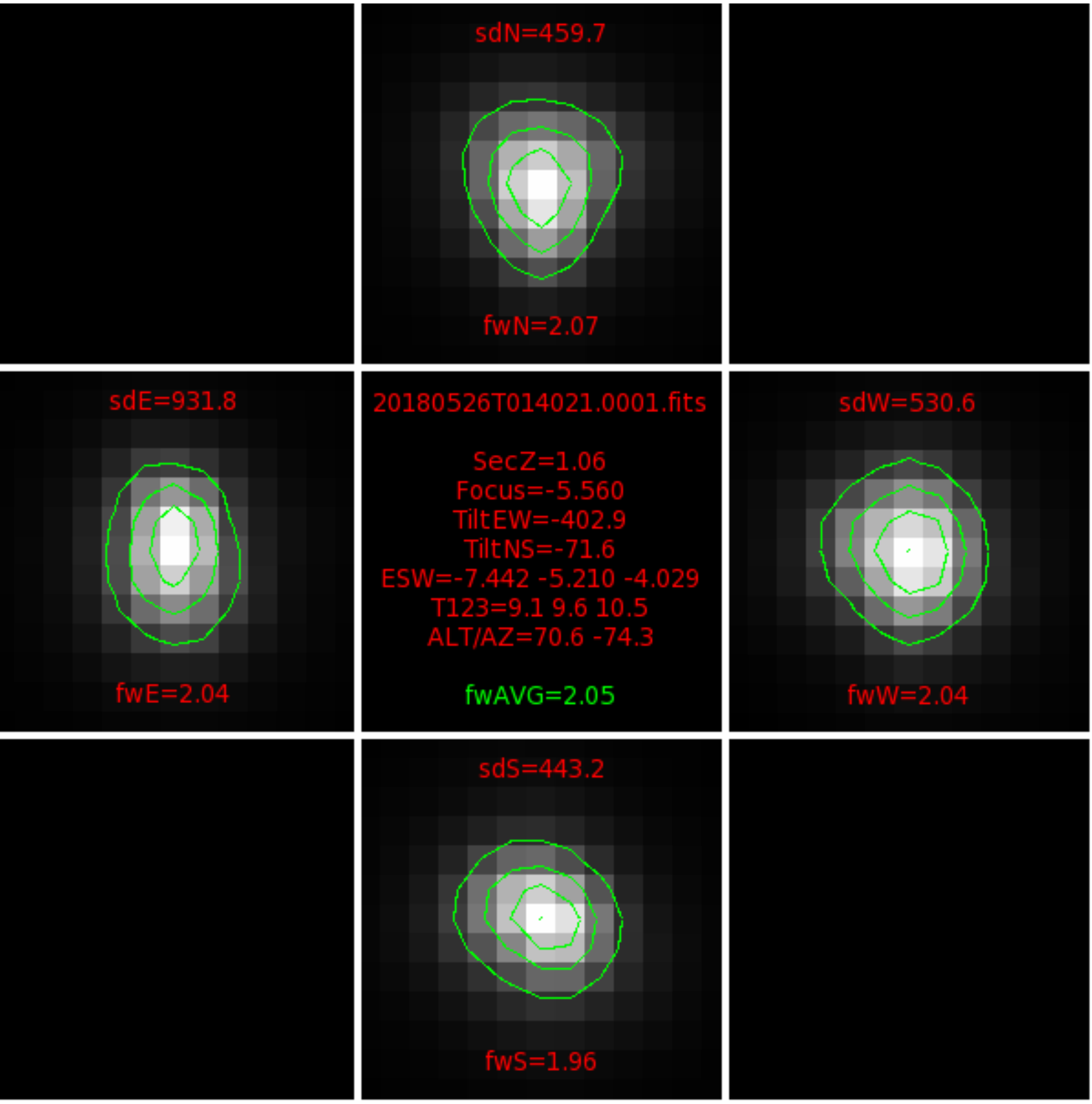
sdN=459.7
fwN=2.07
sdE=931.8
fwE=2.04
20180526T014021.0001.fits
SecZ=1.06
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.1 9.6 10.5
ALT/AZ=70.6 -74.3
fwAVG=2.05
sdW=530.6
fwW=2.04
sdS=443.2
fwS=1.96
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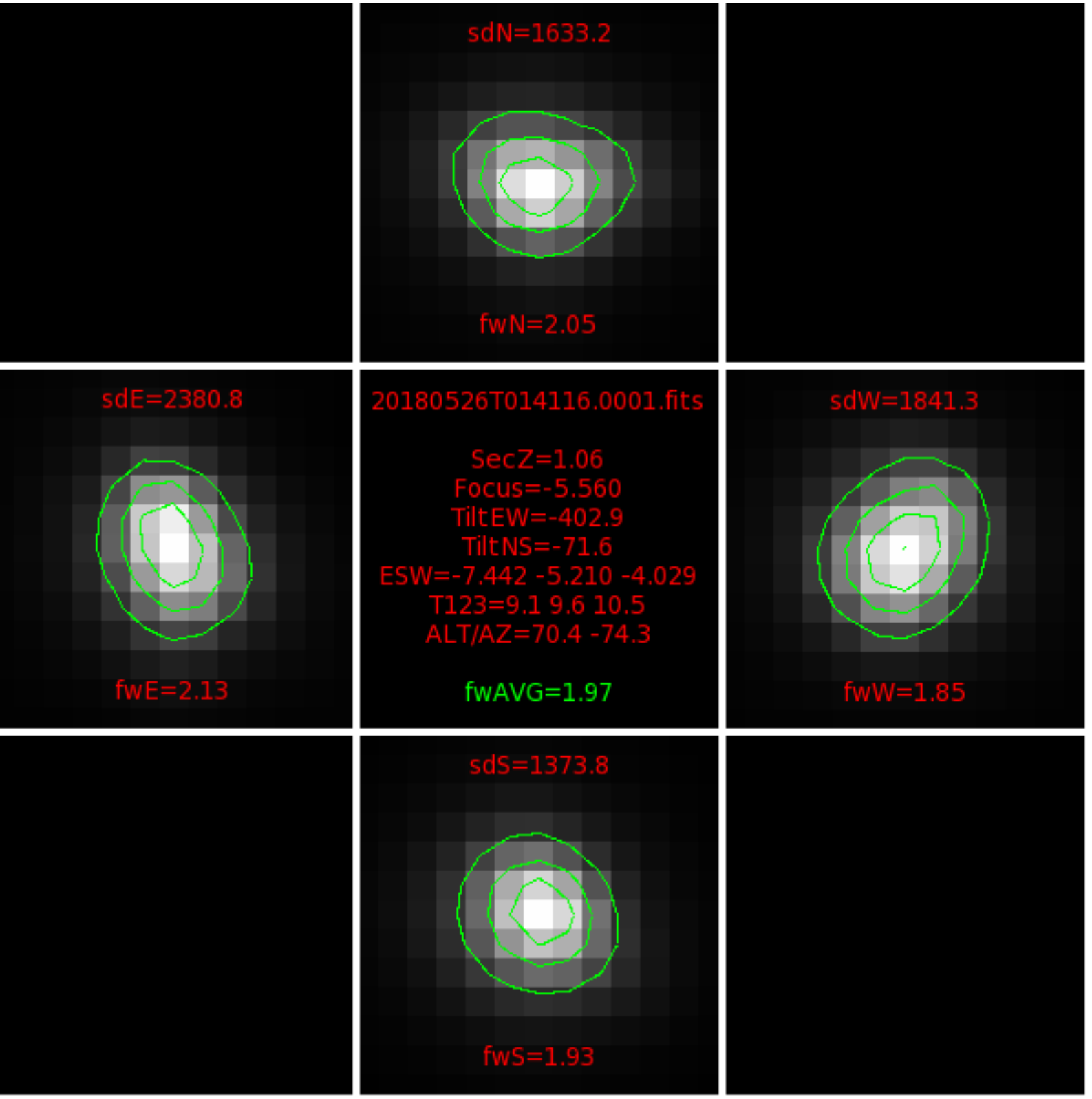
sdN=1633.2
fwN=2.05
sdE=2380.8
fwE=2.13
20180526T014116.0001.fits
SecZ=1.06
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.1 9.6 10.5
ALT/AZ=70.4 -74.3
fwAVG=1.97
sdW=1841.3
fwW=1.85
sdS=1373.8
fwS=1.93
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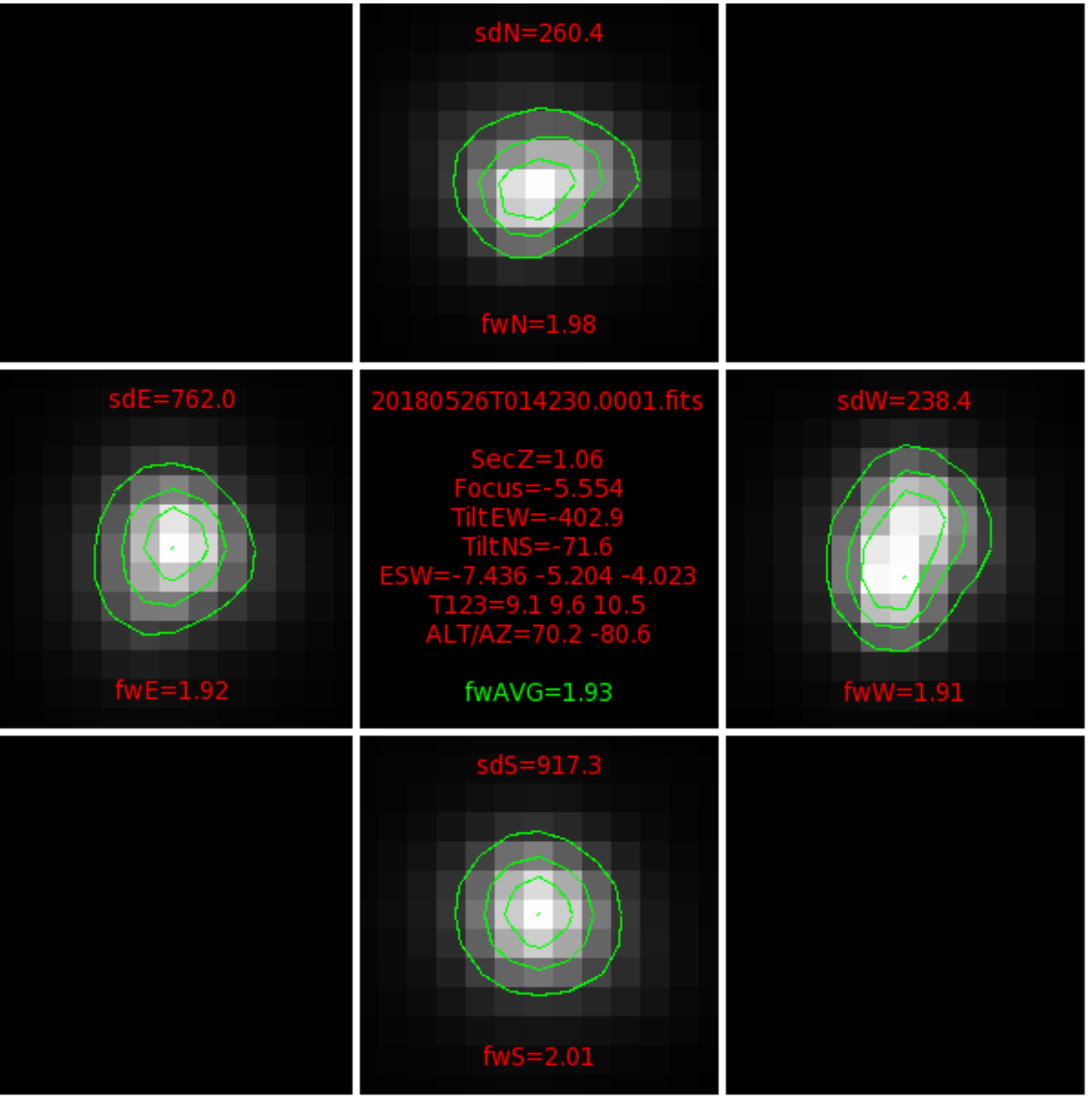
sdN=260.4
fwN=1.98
sdE=762.0
fwE=1.92
20180526T014230.0001.fits
SecZ=1.06
Focus=-5.554
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.436 -5.204 -4.023
T123=9.1 9.6 10.5
ALT/AZ=70.2 -80.6
fwAVG=1.93
sdW=238.4
fwW=1.91
sdS=917.3
fwS=2.01
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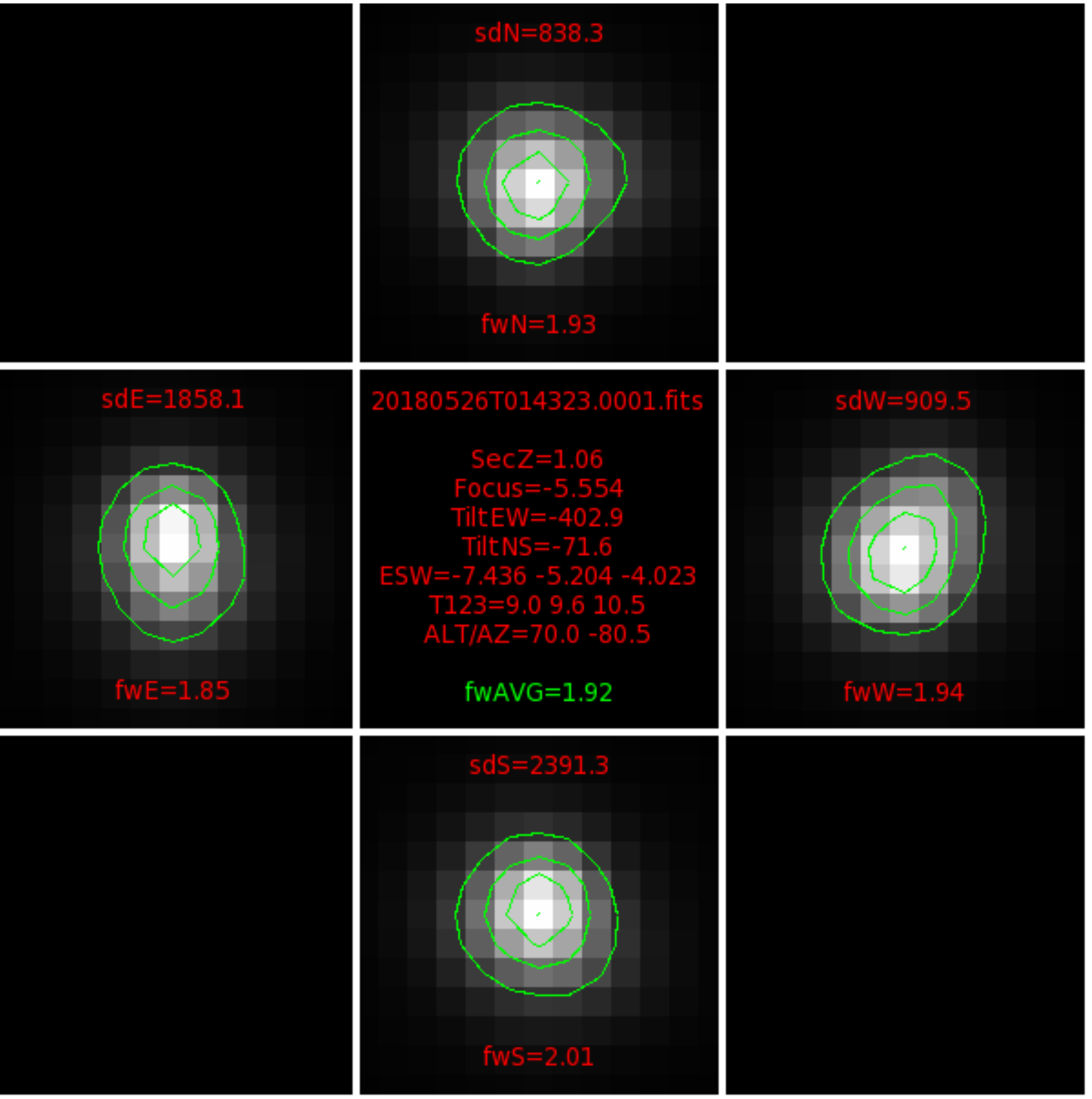
sdN=838.3
fwN=1.93
sdE=1858.1
fwE=1.85
20180526T014323.0001.fits
SecZ=1.06
Focus=-5.554
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.436 -5.204 -4.023
T123=9.0 9.6 10.5
ALT/AZ=70.0 -80.5
fwAVG=1.92
sdW=909.5
fwW=1.94
sdS=2391.3
fwS=2.01
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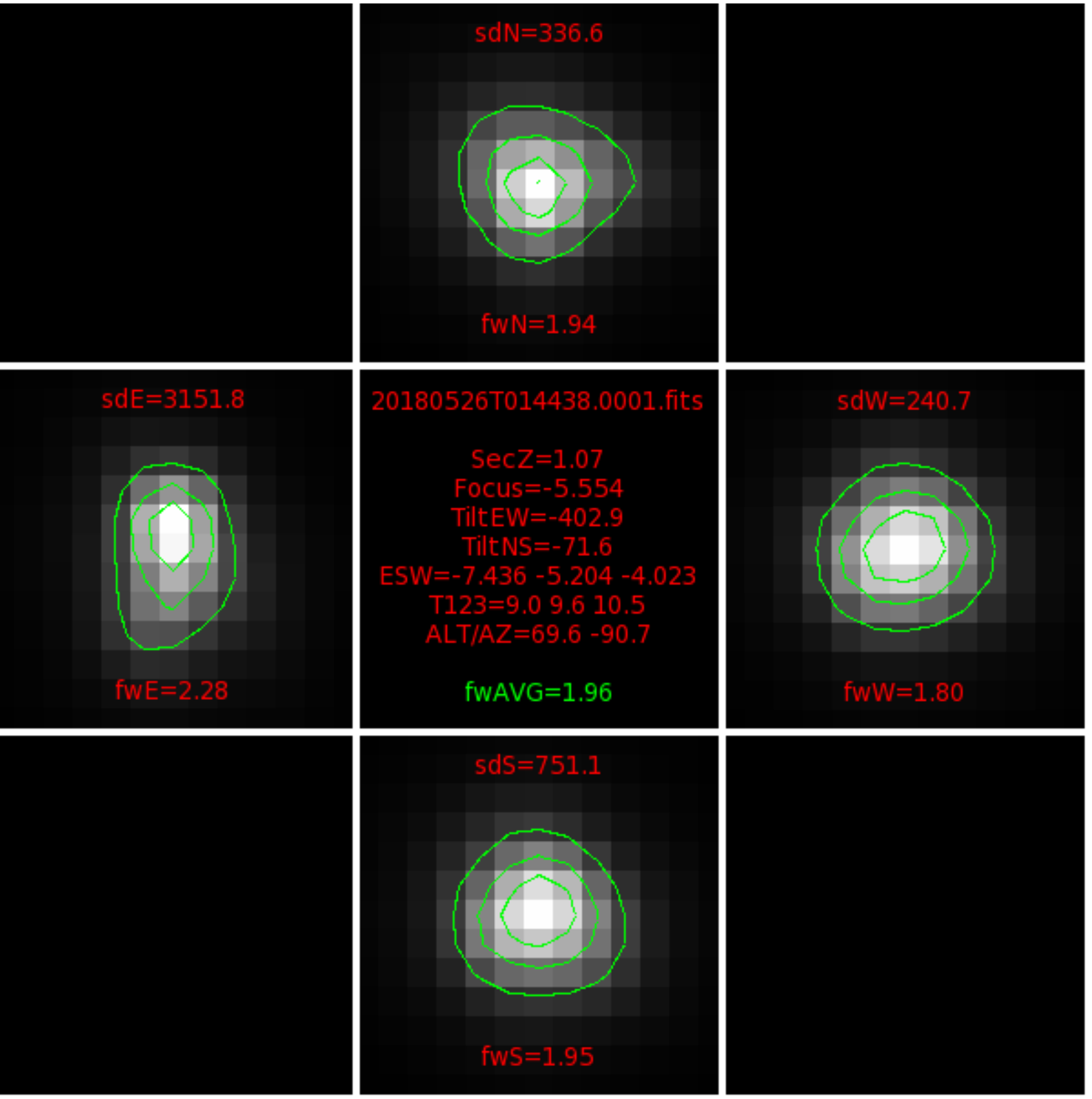
sdN=336.6
fwN=1.94
sdE=3151.8
fwE=2.28
20180526T014438.0001.fits
SecZ=1.07
Focus=-5.554
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.436 -5.204 -4.023
T123=9.0 9.6 10.5
ALT/AZ=69.6 -90.7
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sdW=240.7
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sdS=751.1
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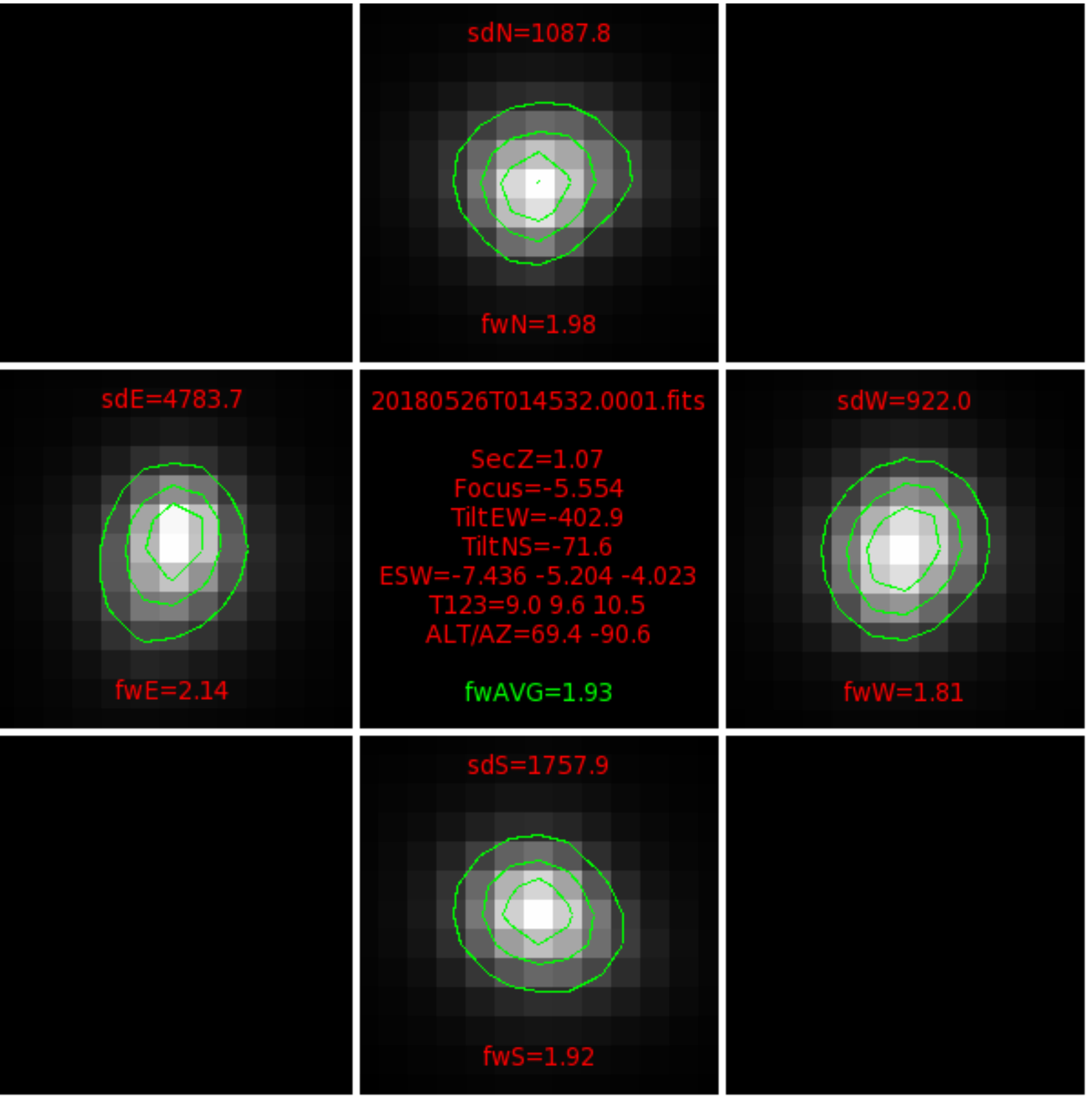
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fwN=1.98
sdE=4783.7
fwE=2.14
20180526T014532.0001.fits
SecZ=1.07
Focus=-5.554
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.436 -5.204 -4.023
T123=9.0 9.6 10.5
ALT/AZ=69.4 -90.6
fwAVG=1.93
sdW=922.0
fwW=1.81
sdS=1757.9
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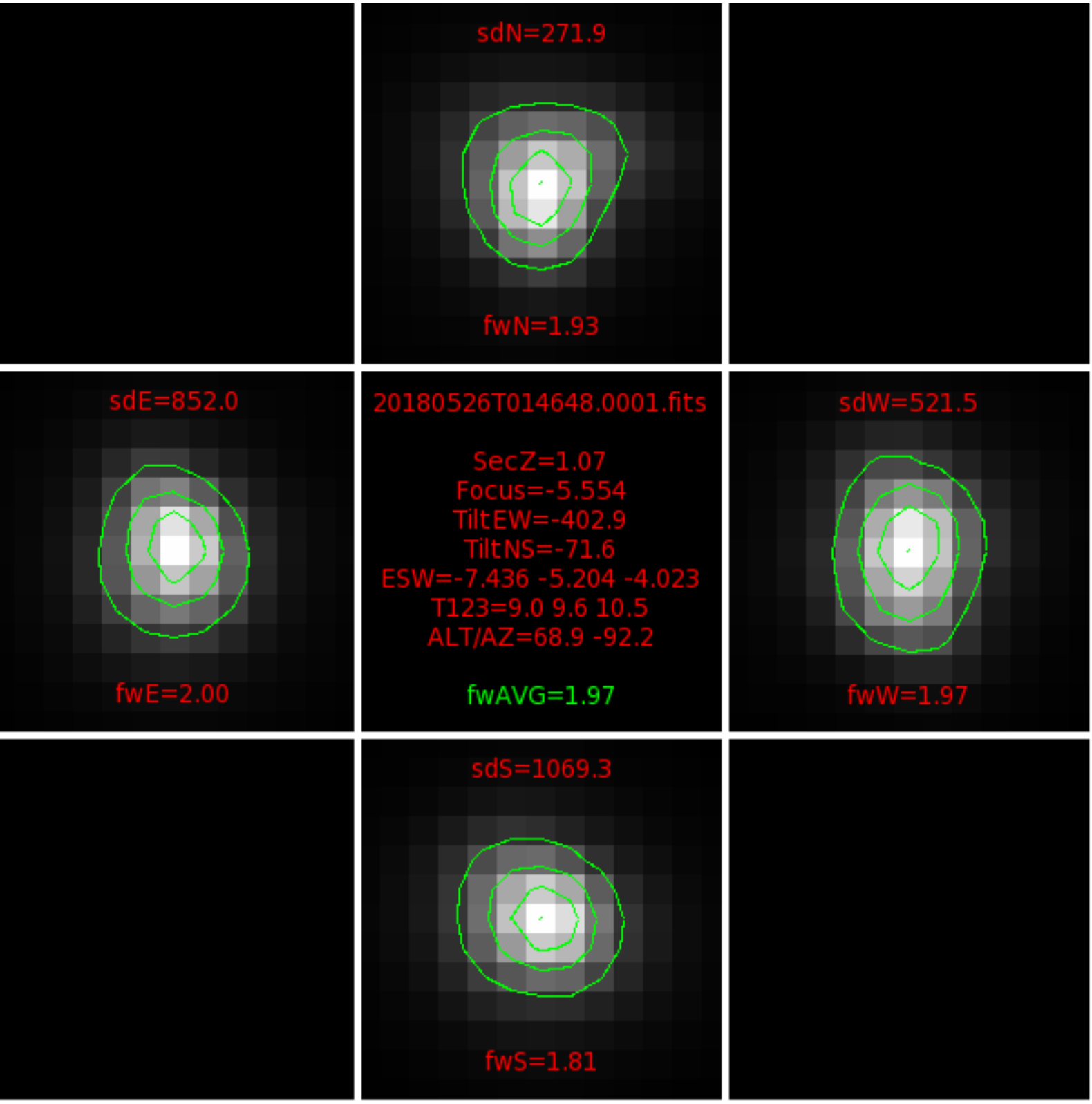
sdN=271.9
fwN=1.93
sdE=852.0
fwE=2.00
20180526T014648.0001.fits
SecZ=1.07
Focus=-5.554
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.436 -5.204 -4.023
T123=9.0 9.6 10.5
ALT/AZ=68.9 -92.2
fwAVG=1.97
sdW=521.5
fwW=1.97
sdS=1069.3
fwS=1.81
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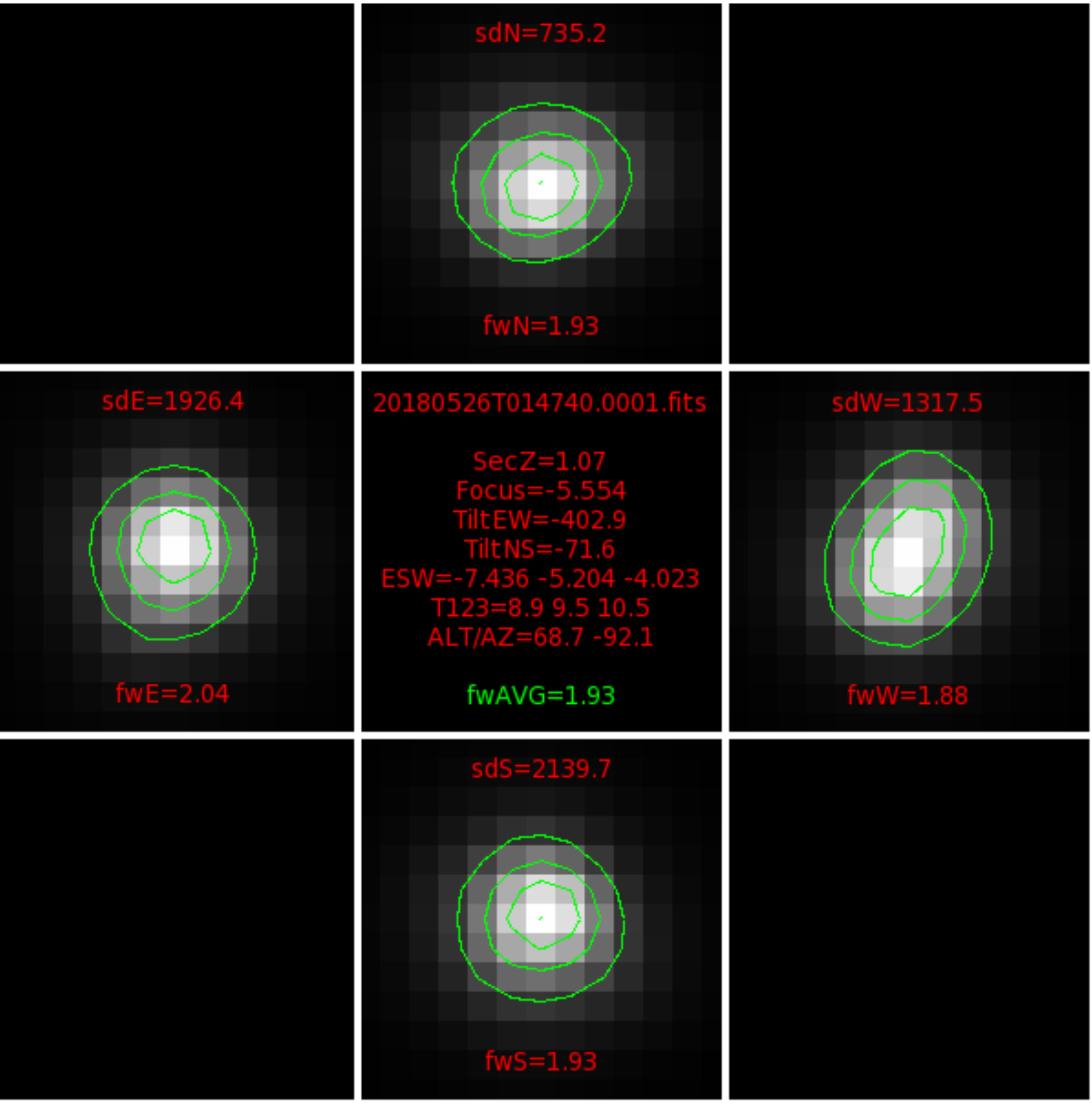
sdN=735.2
fwN=1.93
sdE=1926.4
fwE=2.04
20180526T014740.0001.fits
SecZ=1.07
Focus=-5.554
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.436 -5.204 -4.023
T123=8.9 9.5 10.5
ALT/AZ=68.7 -92.1
fwAVG=1.93
sdW=1317.5
fwW=1.88
sdS=2139.7
fwS=1.93
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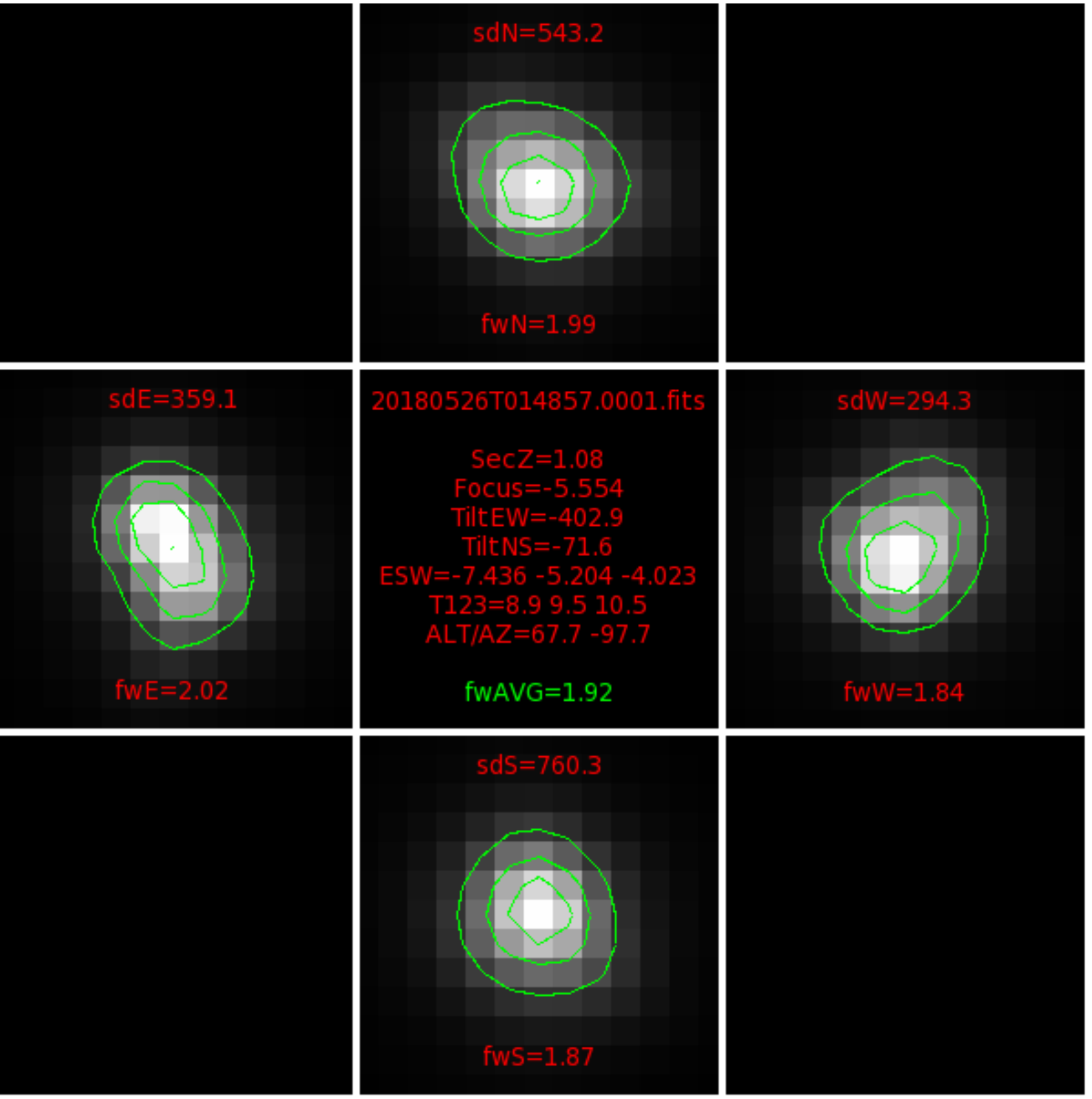
sdN=543.2
fwN=1.99
sdE=359.1
fwE=2.02
20180526T014857.0001.fits
SecZ=1.08
Focus=-5.554
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.436 -5.204 -4.023
T123=8.9 9.5 10.5
ALT/AZ=67.7 -97.7
fwAVG=1.92
sdW=294.3
fwW=1.84
sdS=760.3
fwS=1.87
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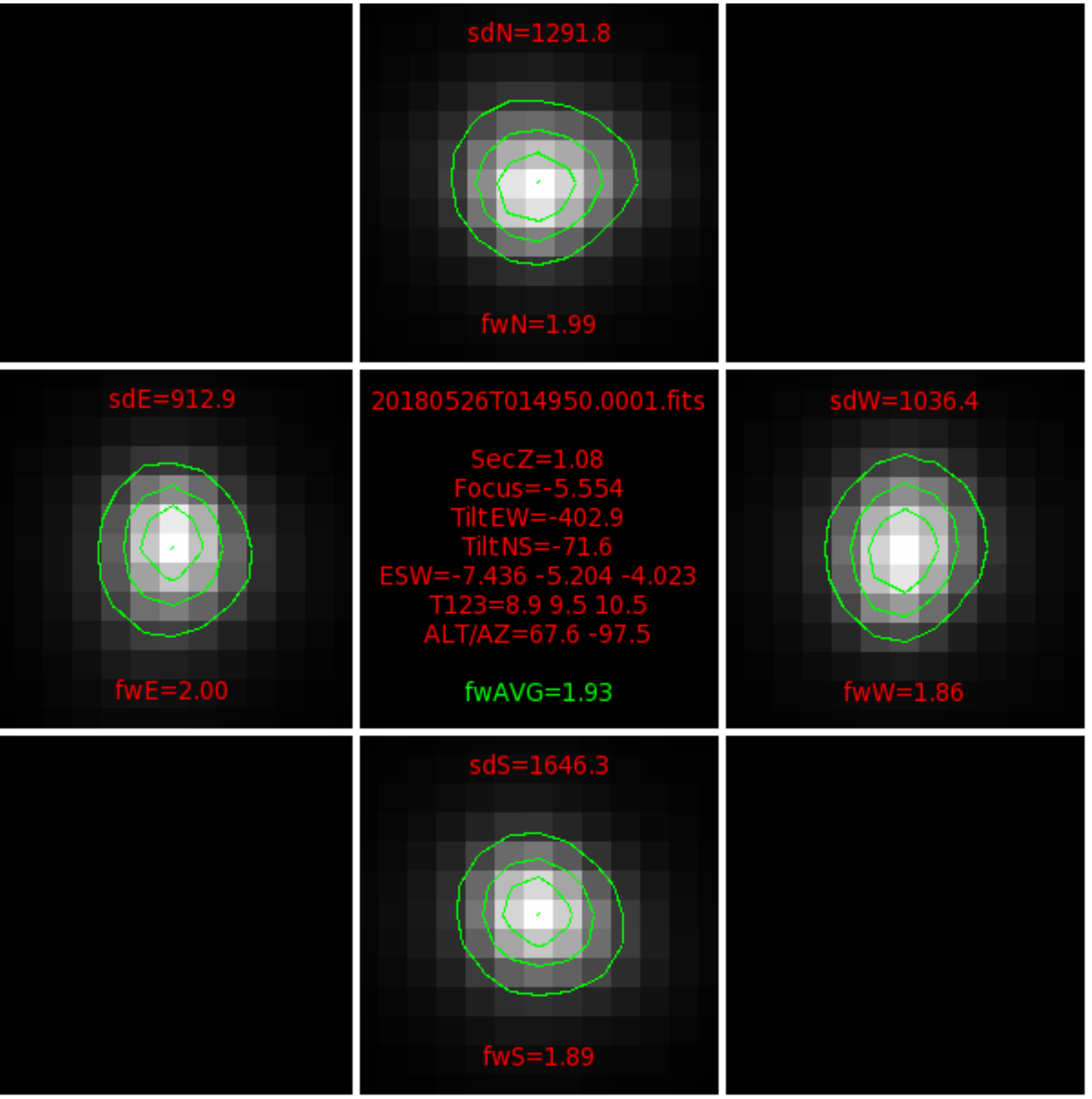
sdN=1291.8
fwN=1.99
sdE=912.9
fwE=2.00
20180526T014950.0001.fits
SecZ=1.08
Focus=-5.554
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.436 -5.204 -4.023
T123=8.9 9.5 10.5
ALT/AZ=67.6 -97.5
fwAVG=1.93
sdW=1036.4
fwW=1.86
sdS=1646.3
fwS=1.89
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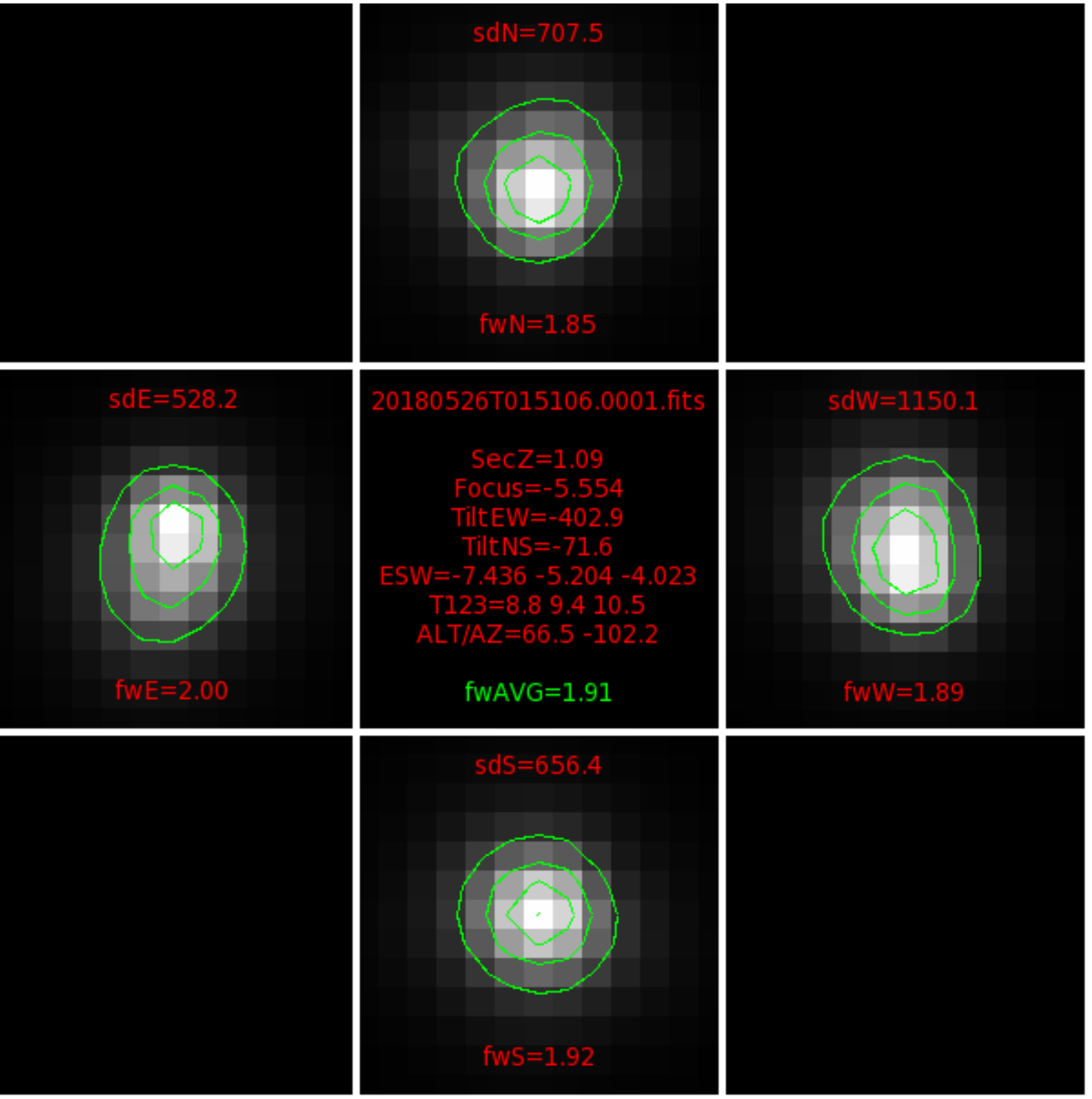
sdN=707.5
fwN=1.85
sdE=528.2
fwE=2.00
20180526T015106.0001.fits
SecZ=1.09
Focus=-5.554
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.436 -5.204 -4.023
T123=8.8 9.4 10.5
ALT/AZ=66.5 -102.2
fwAVG=1.91
sdW=1150.1
fwW=1.89
sdS=656.4
fwS=1.92
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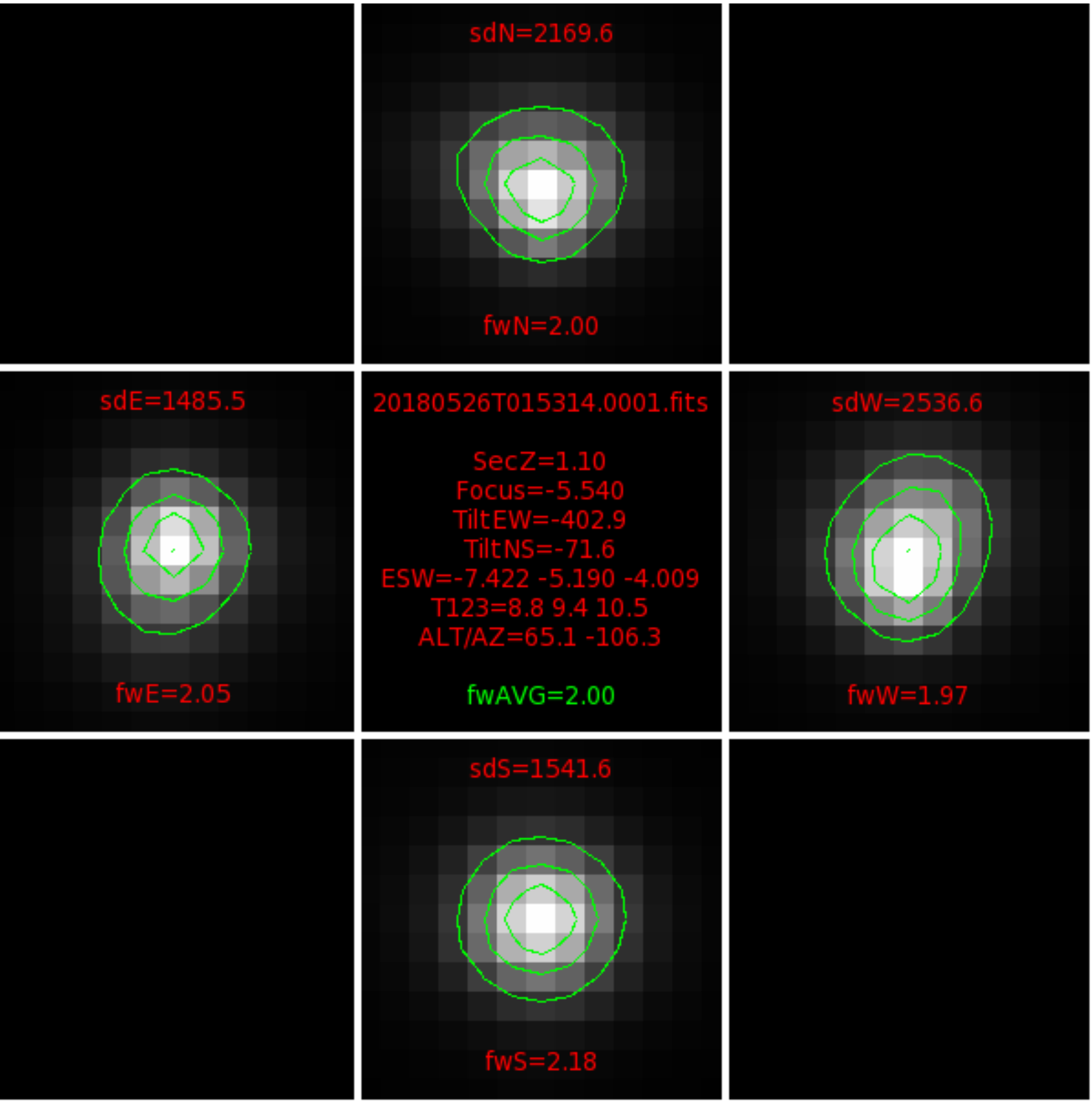
sdN=2169.6
fwN=2.00
sdE=1485.5
fwE=2.05
20180526T015314.0001.fits
SecZ=1.10
Focus=-5.540
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.422 -5.190 -4.009
T123=8.8 9.4 10.5
ALT/AZ=65.1 -106.3
fwAVG=2.00
sdW=2536.6
fwW=1.97
sdS=1541.6
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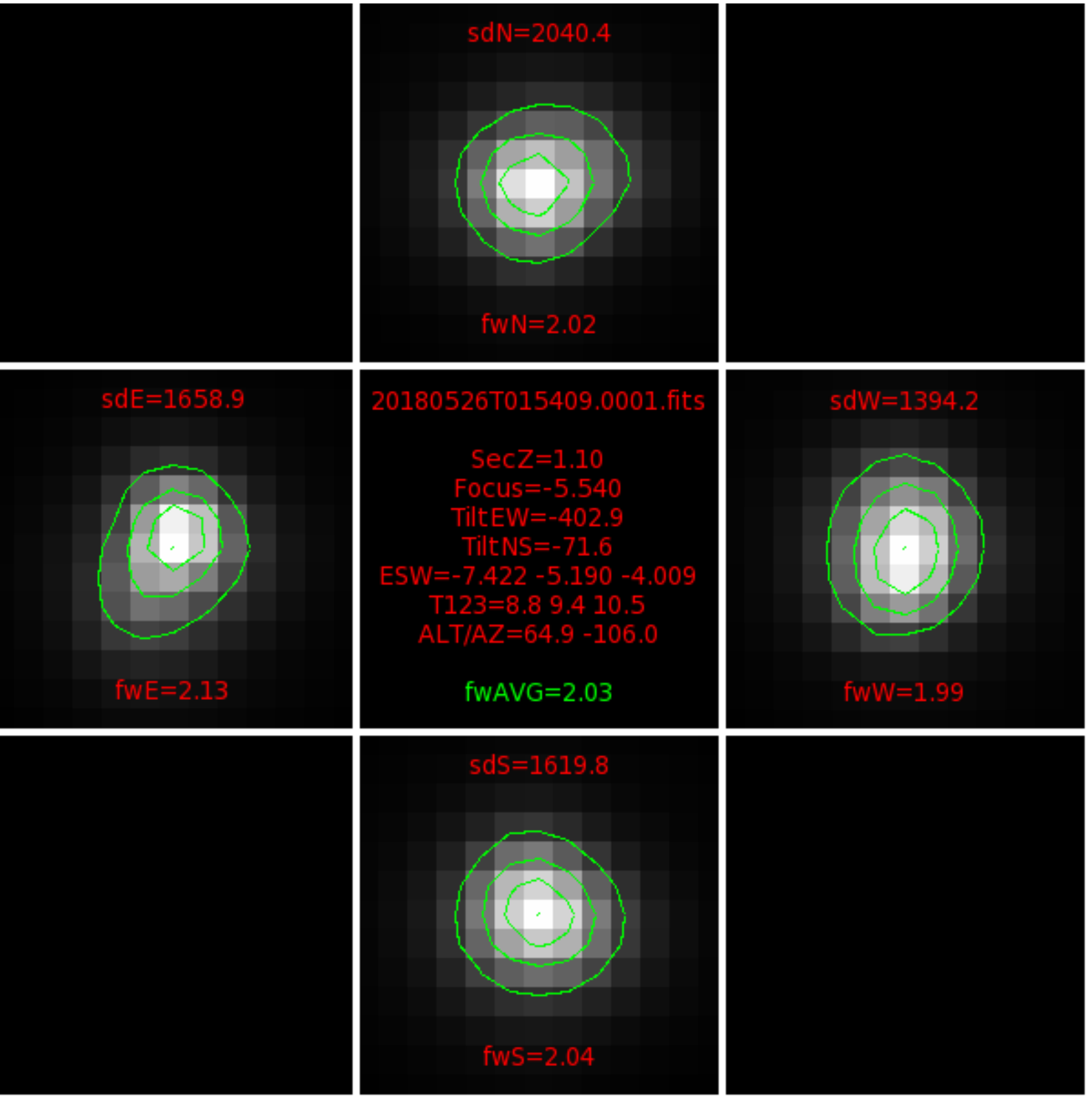
sdN=2040.4
fwN=2.02
sdE=1658.9
fwE=2.13
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SecZ=1.10
Focus=-5.540
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.422 -5.190 -4.009
T123=8.8 9.4 10.5
ALT/AZ=64.9 -106.0
fwAVG=2.03
sdW=1394.2
fwW=1.99
sdS=1619.8
fwS=2.04
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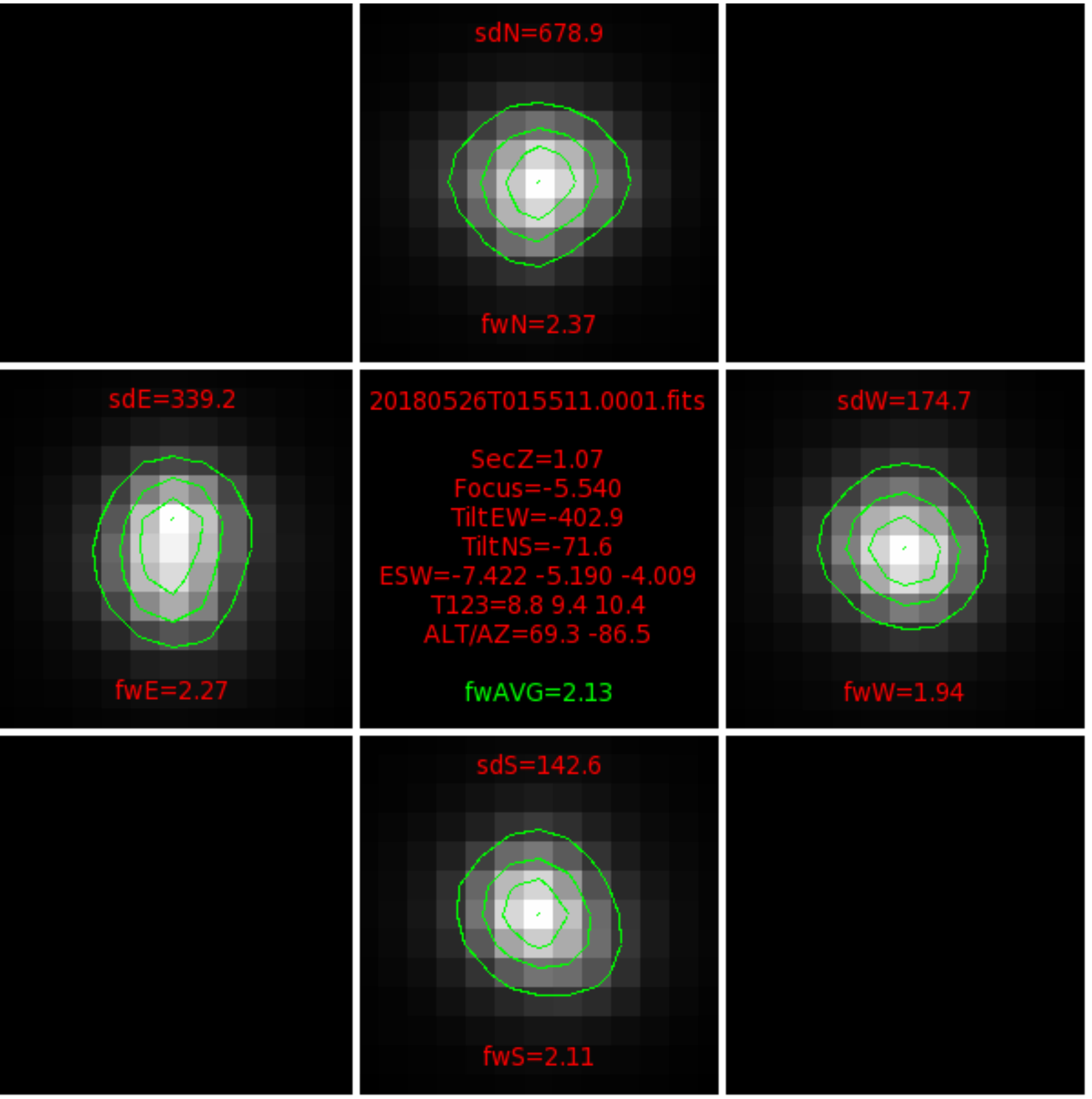
sdN=678.9
fwN=2.37
sdE=339.2
fwE=2.27
20180526T015511.0001.fits
SecZ=1.07
Focus=-5.540
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.422 -5.190 -4.009
T123=8.8 9.4 10.4
ALT/AZ=69.3 -86.5
fwAVG=2.13
sdW=174.7
fwW=1.94
sdS=142.6
fwS=2.11
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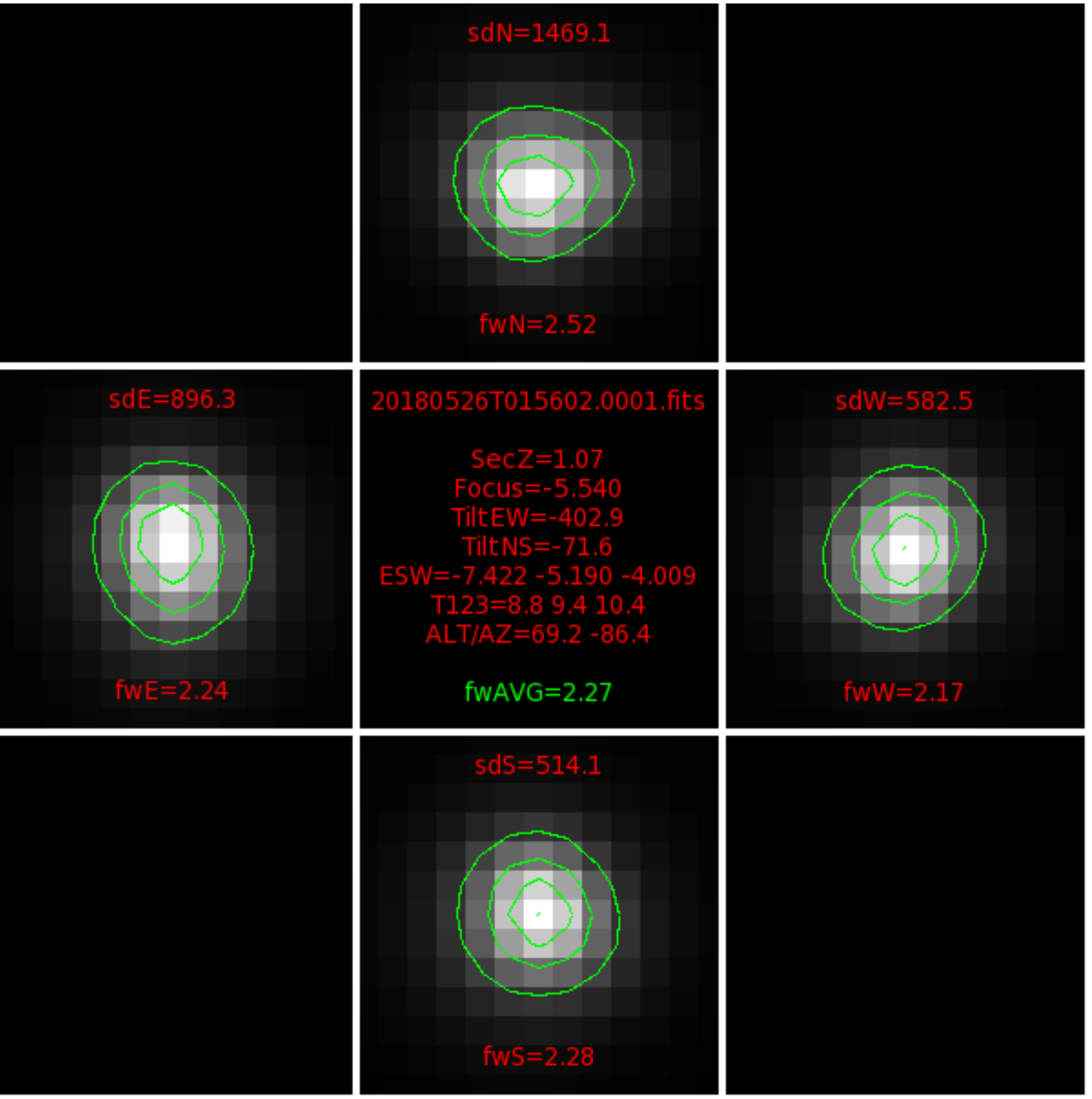
sdN=1469.1
fwN=2.52
sdE=896.3
fwE=2.24
20180526T015602.0001.fits
SecZ=1.07
Focus=-5.540
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.422 -5.190 -4.009
T123=8.8 9.4 10.4
ALT/AZ=69.2 -86.4
fwAVG=2.27
sdW=582.5
fwW=2.17
sdS=514.1
fwS=2.28
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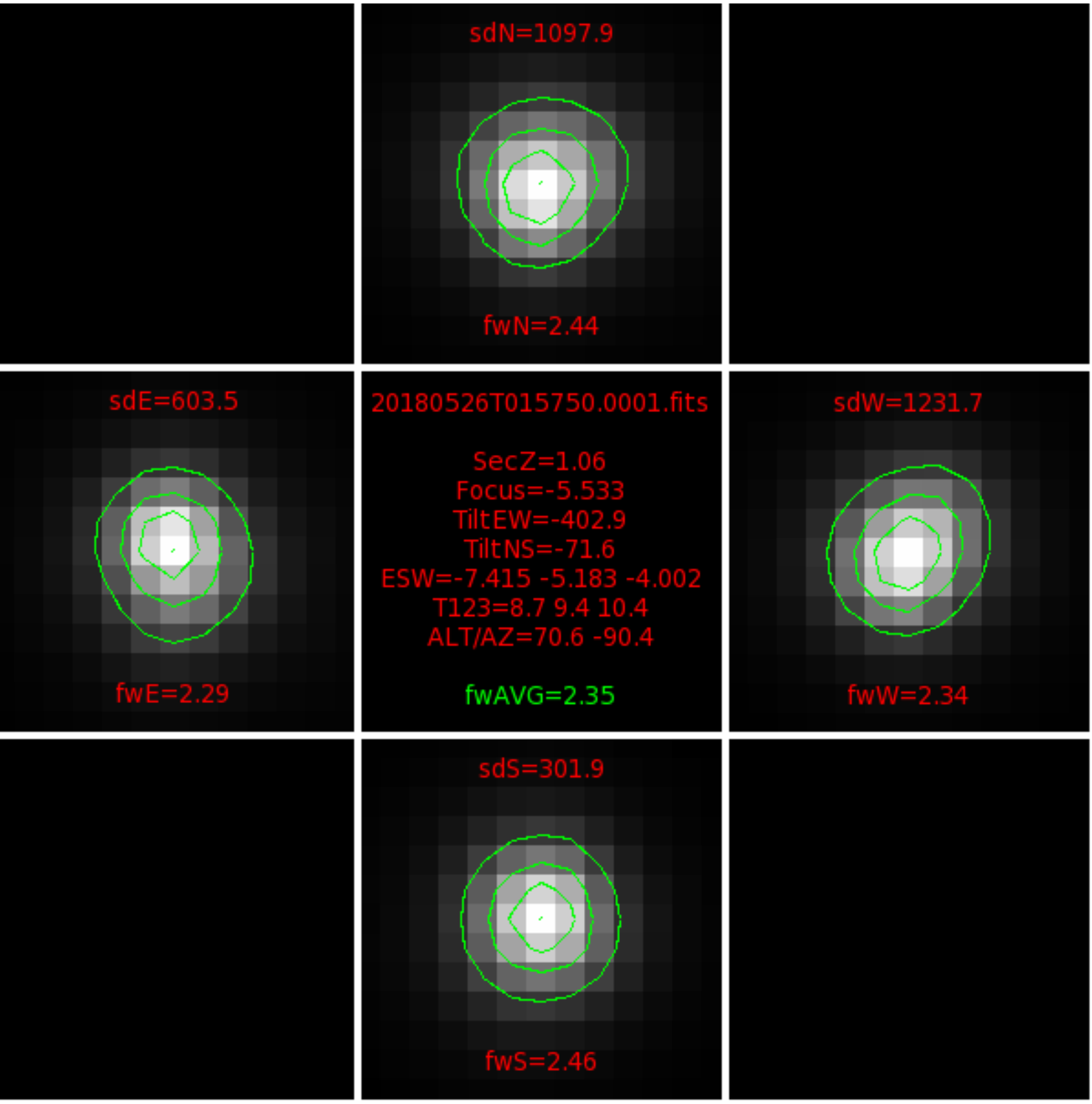
sdN=1097.9
fwN=2.44
sdE=603.5
fwE=2.29
20180526T015750.0001.fits
SecZ=1.06
Focus=-5.533
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.415 -5.183 -4.002
T123=8.7 9.4 10.4
ALT/AZ=70.6 -90.4
fwAVG=2.35
sdW=1231.7
fwW=2.34
sdS=301.9
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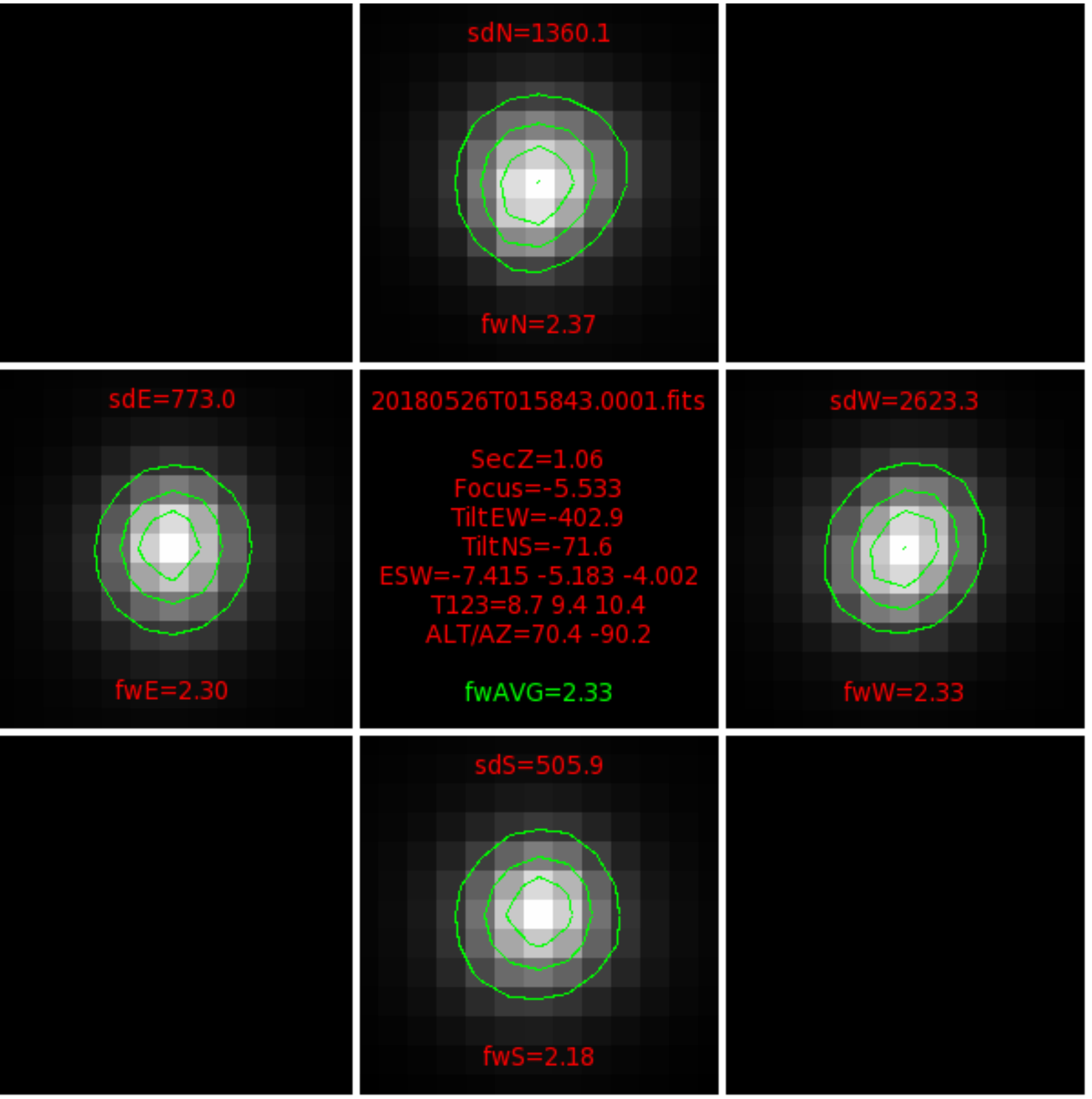
sdN=1360.1
fwN=2.37
sdE=773.0
fwE=2.30
20180526T015843.0001.fits
SecZ=1.06
Focus=-5.533
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.415 -5.183 -4.002
T123=8.7 9.4 10.4
ALT/AZ=70.4 -90.2
fwAVG=2.33
sdW=2623.3
fwW=2.33
sdS=505.9
fwS=2.18
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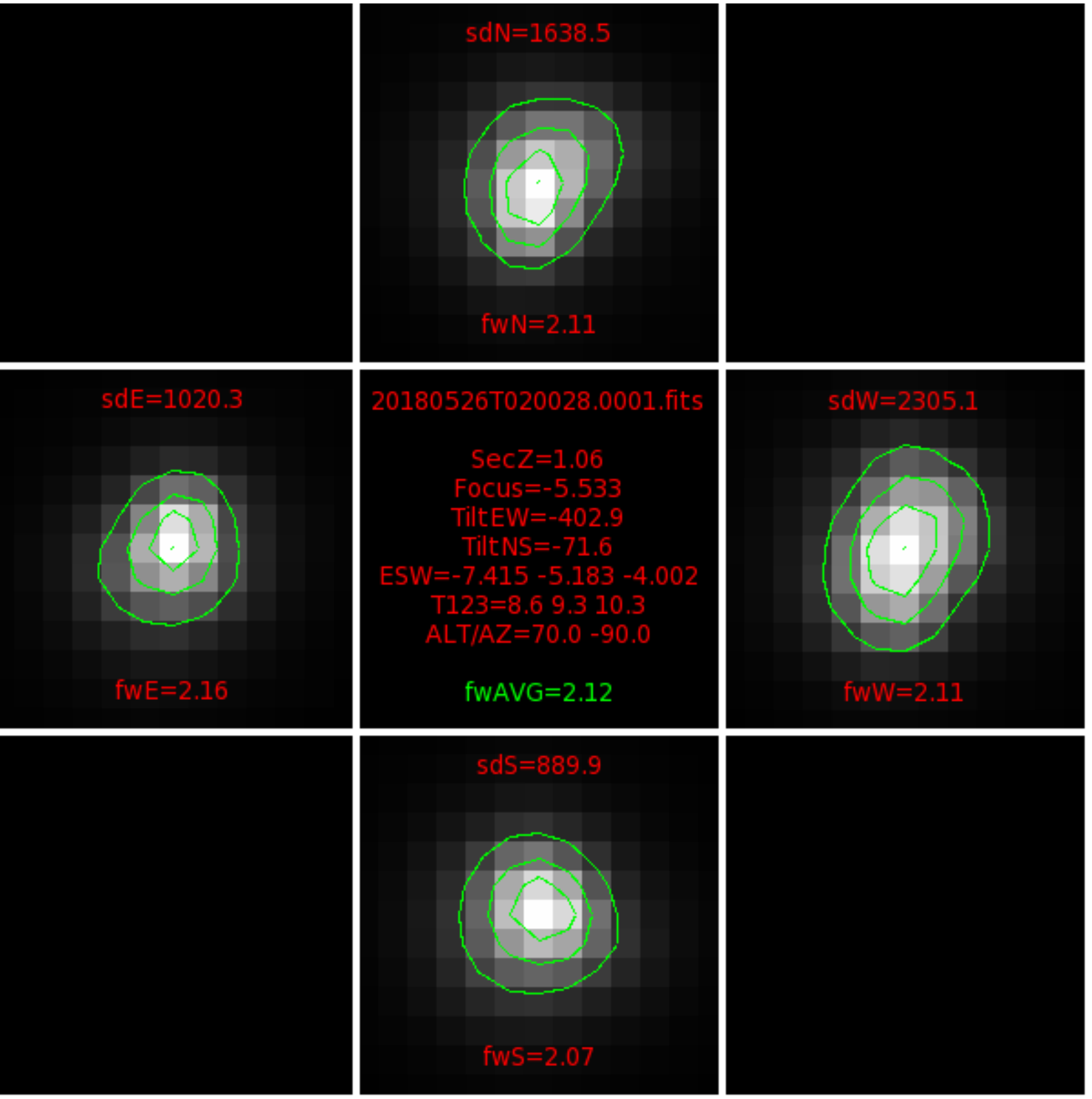
sdN=1638.5
fwN=2.11
sdE=1020.3
fwE=2.16
20180526T020028.0001.fits
SecZ=1.06
Focus=-5.533
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.415 -5.183 -4.002
T123=8.6 9.3 10.3
ALT/AZ=70.0 -90.0
fwAVG=2.12
sdW=2305.1
fwW=2.11
sdS=889.9
fwS=2.07
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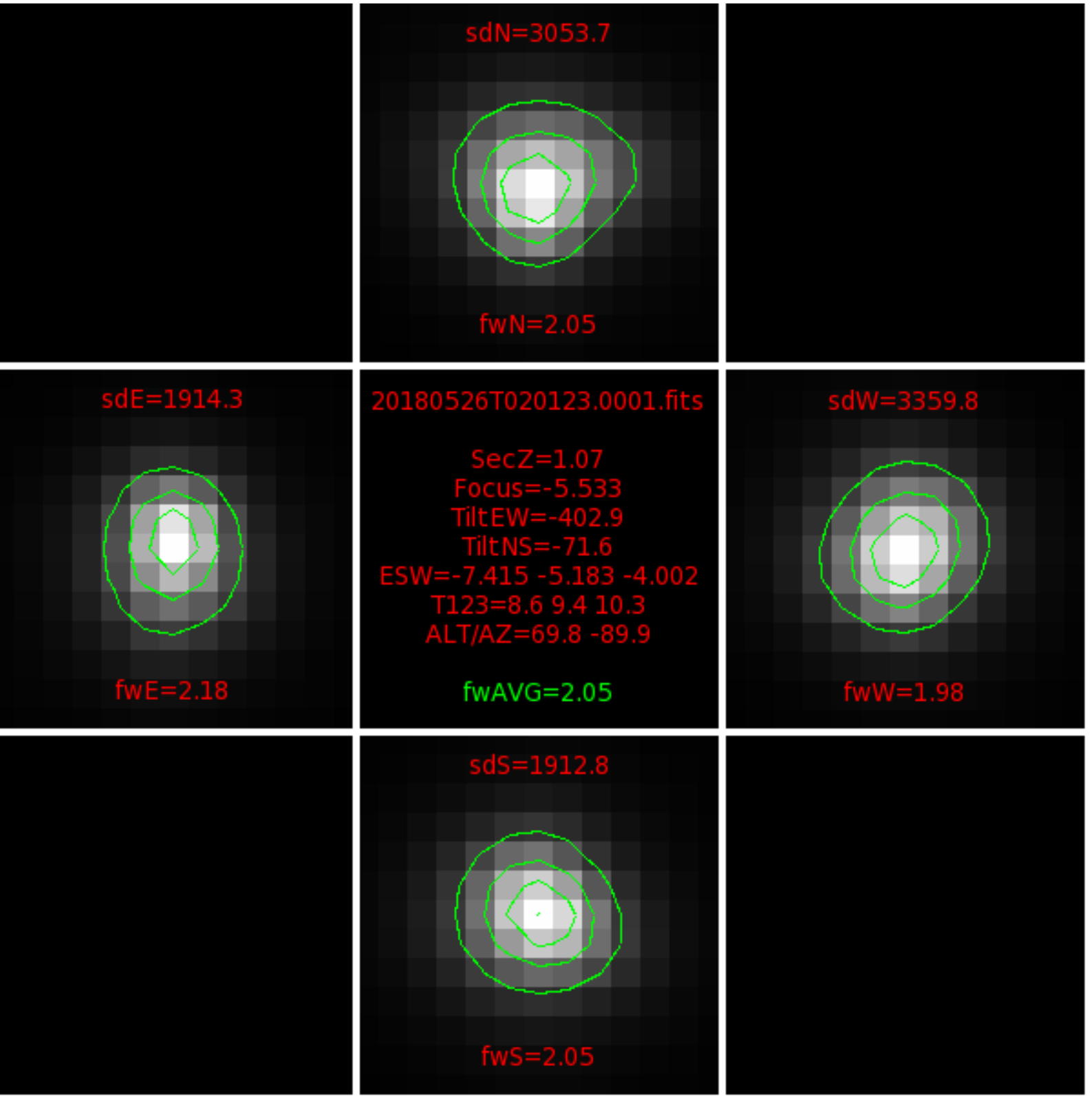
sdN=3053.7
fwN=2.05
sdE=1914.3
fwE=2.18
20180526T020123.0001.fits
SecZ=1.07
Focus=-5.533
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.415 -5.183 -4.002
T123=8.6 9.4 10.3
ALT/AZ=69.8 -89.9
fwAVG=2.05
sdW=3359.8
fwW=1.98
sdS=1912.8
fwS=2.05
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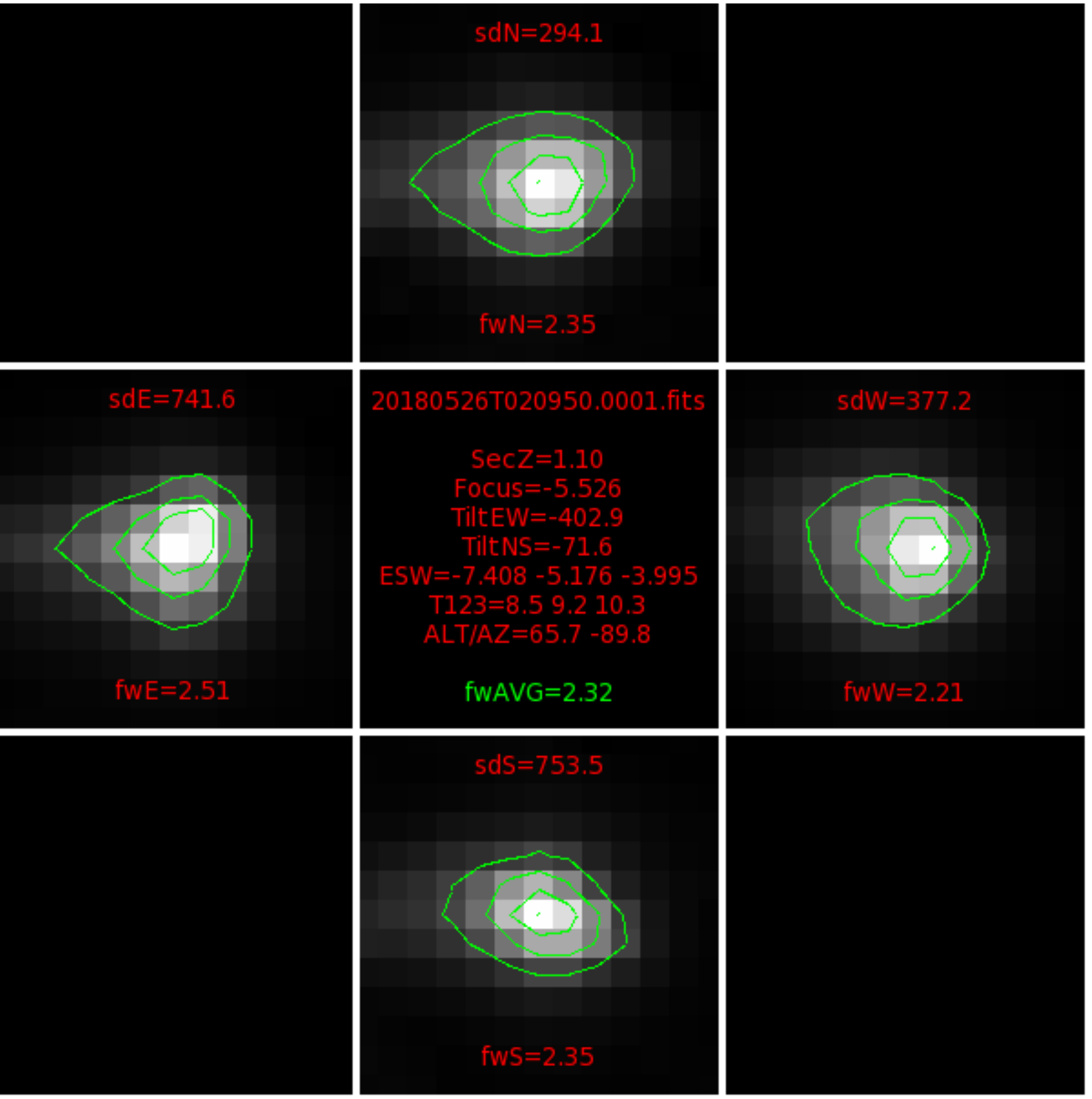
sdN=294.1
fwN=2.35
sdE=741.6
fwE=2.51
20180526T020950.0001.fits
SecZ=1.10
Focus=-5.526
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.408 -5.176 -3.995
T123=8.5 9.2 10.3
ALT/AZ=65.7 -89.8
fwAVG=2.32
sdW=377.2
fwW=2.21
sdS=753.5
fwS=2.35
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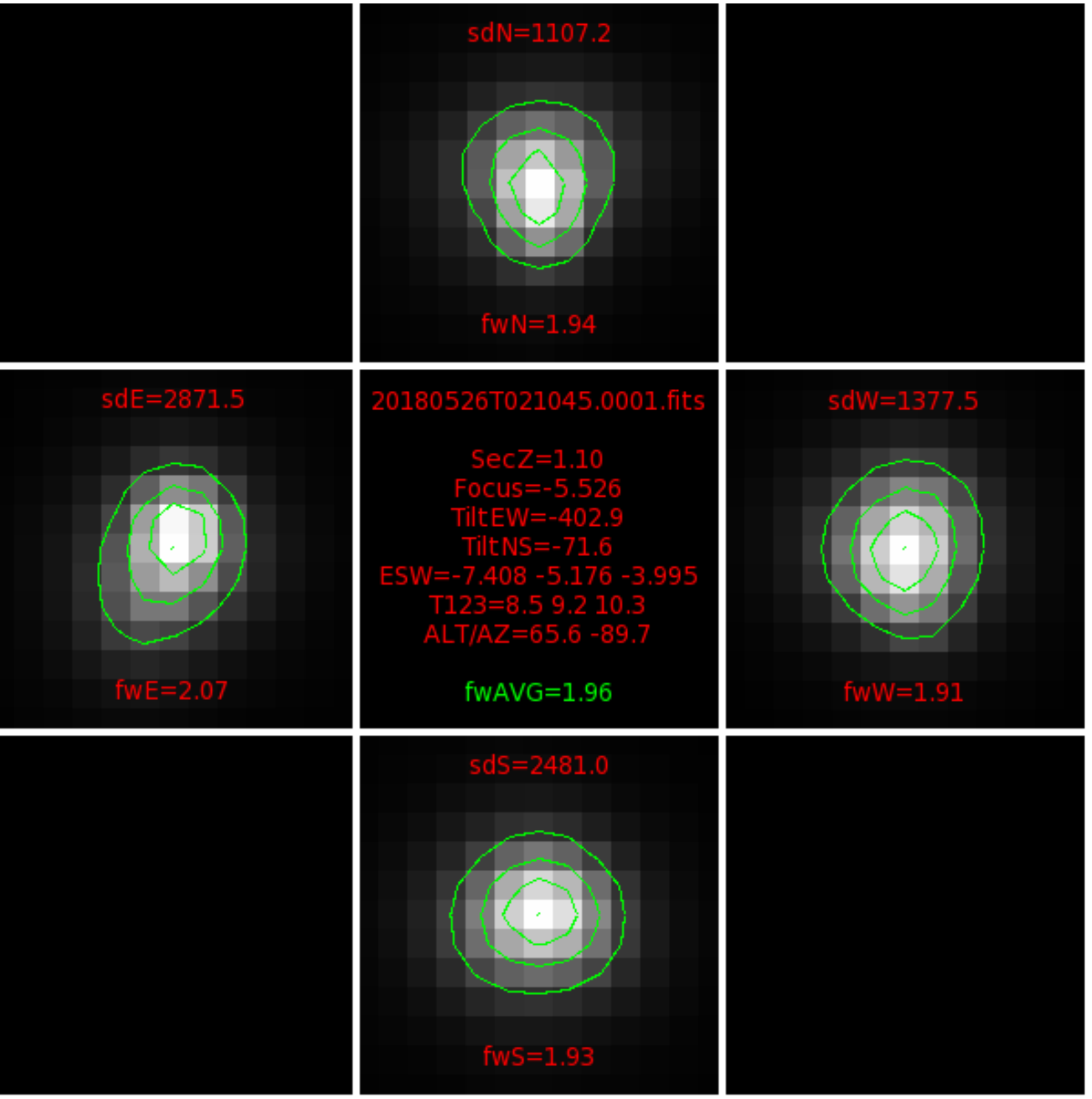
sdN=1107.2
fwN=1.94
sdE=2871.5
fwE=2.07
20180526T021045.0001.fits
SecZ=1.10
Focus=-5.526
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.408 -5.176 -3.995
T123=8.5 9.2 10.3
ALT/AZ=65.6 -89.7
fwAVG=1.96
sdW=1377.5
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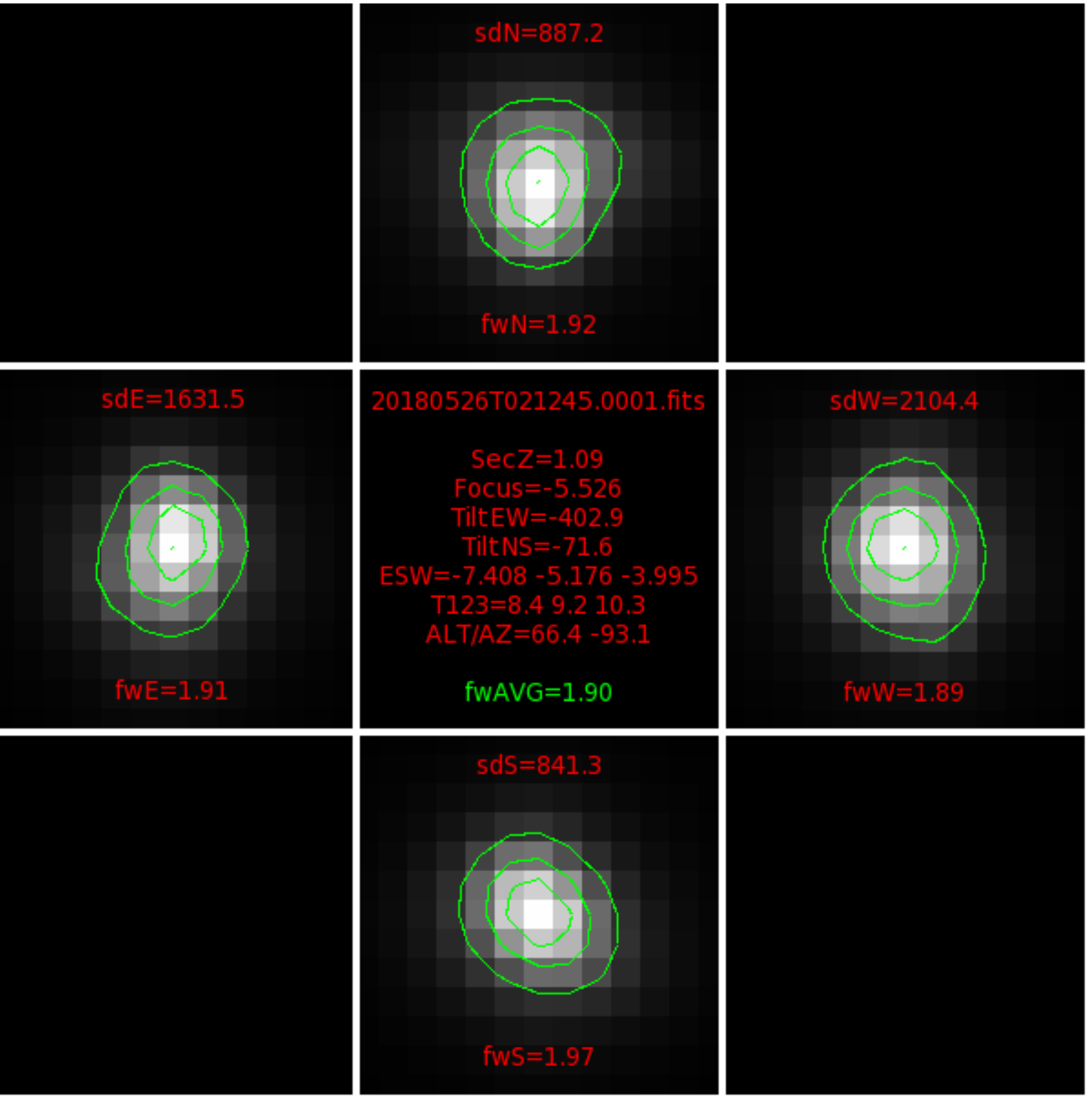
sdN=887.2
fwN=1.92
sdE=1631.5
fwE=1.91
20180526T021245.0001.fits
SecZ=1.09
Focus=-5.526
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.408 -5.176 -3.995
T123=8.4 9.2 10.3
ALT/AZ=66.4 -93.1
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sdW=2104.4
fwW=1.89
sdS=841.3
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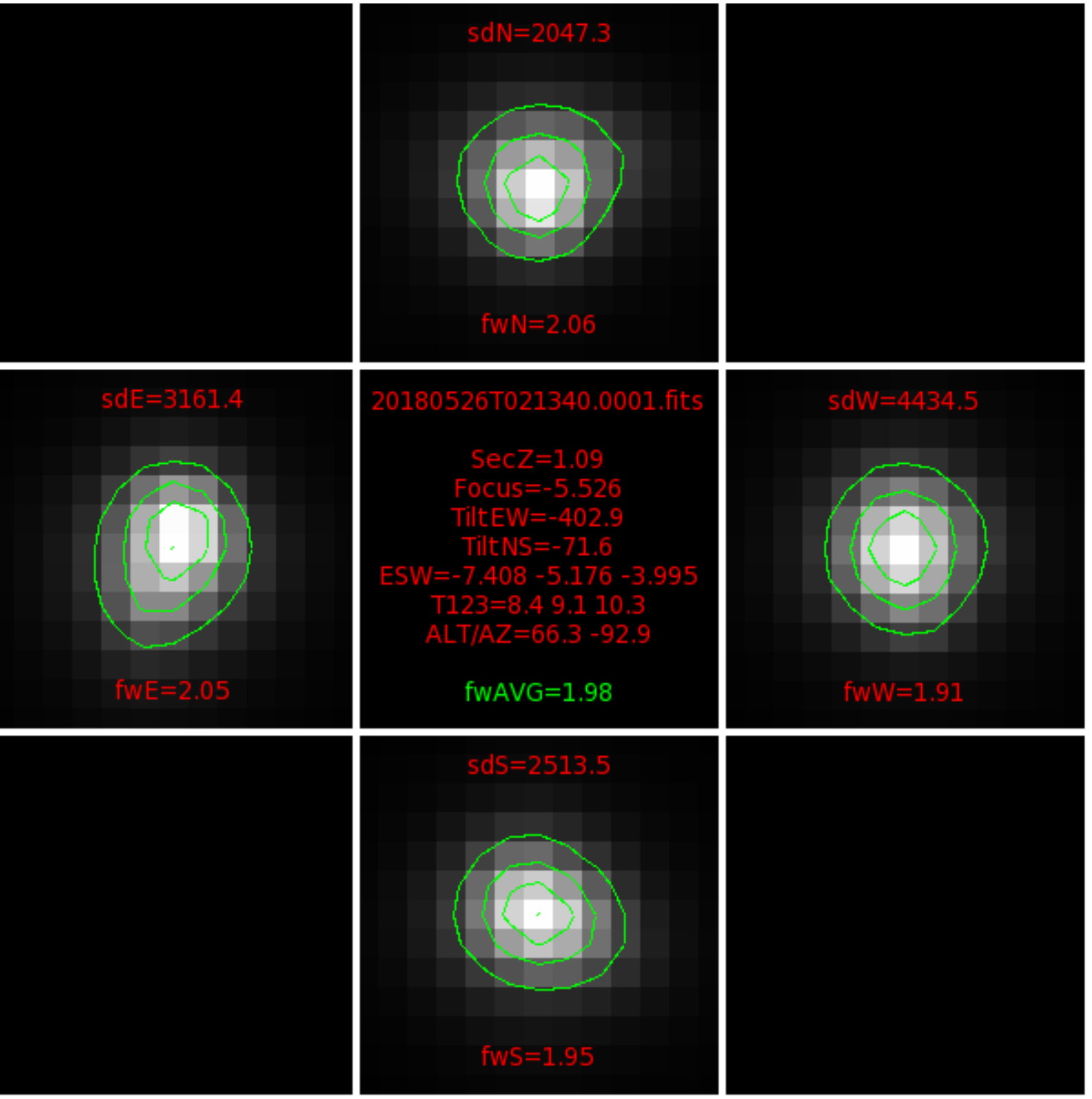
sdN=2047.3
fwN=2.06
sdE=3161.4
fwE=2.05
20180526T021340.0001.fits
SecZ=1.09
Focus=-5.526
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.408 -5.176 -3.995
T123=8.4 9.1 10.3
ALT/AZ=66.3 -92.9
fwAVG=1.98
sdW=4434.5
fwW=1.91
sdS=2513.5
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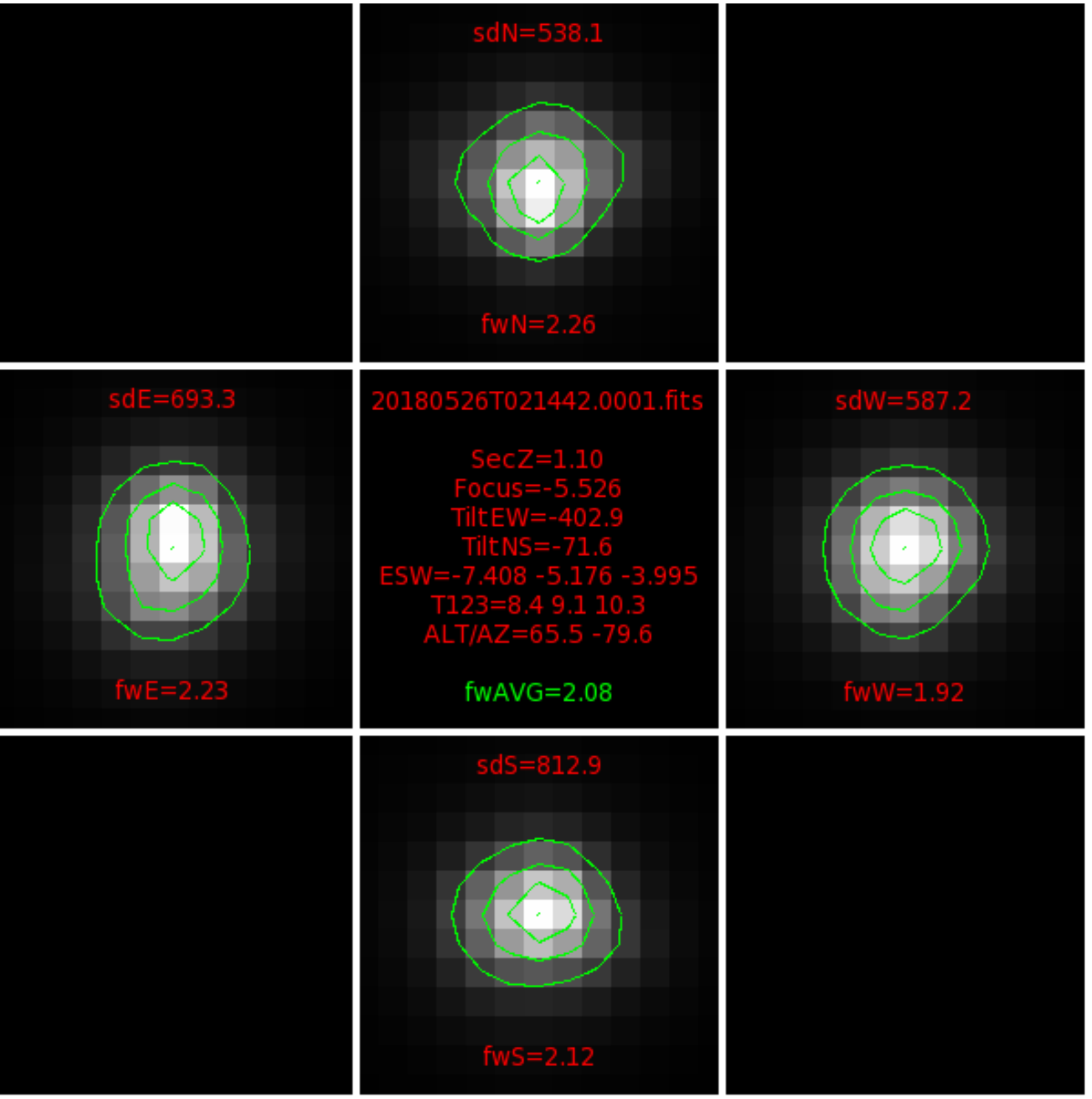
sdN=538.1
fwN=2.26
sdE=693.3
fwE=2.23
20180526T021442.0001.fits
SecZ=1.10
Focus=-5.526
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.408 -5.176 -3.995
T123=8.4 9.1 10.3
ALT/AZ=65.5 -79.6
fwAVG=2.08
sdW=587.2
fwW=1.92
sdS=812.9
fwS=2.12
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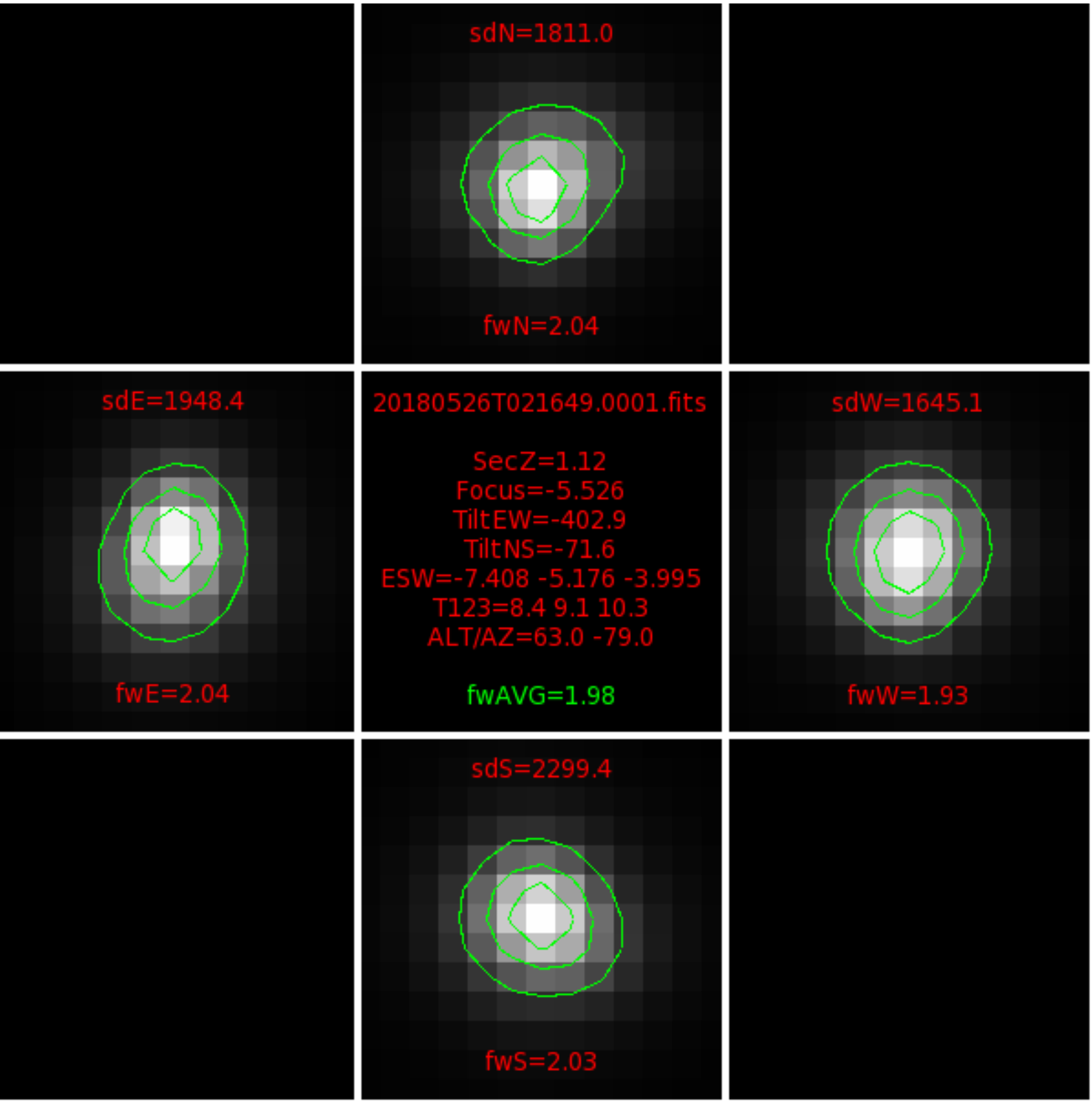
sdN=1811.0
fwN=2.04
sdE=1948.4
fwE=2.04
20180526T021649.0001.fits
SecZ=1.12
Focus=-5.526
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.408 -5.176 -3.995
T123=8.4 9.1 10.3
ALT/AZ=63.0 -79.0
fwAVG=1.98
sdW=1645.1
fwW=1.93
sdS=2299.4
fwS=2.03
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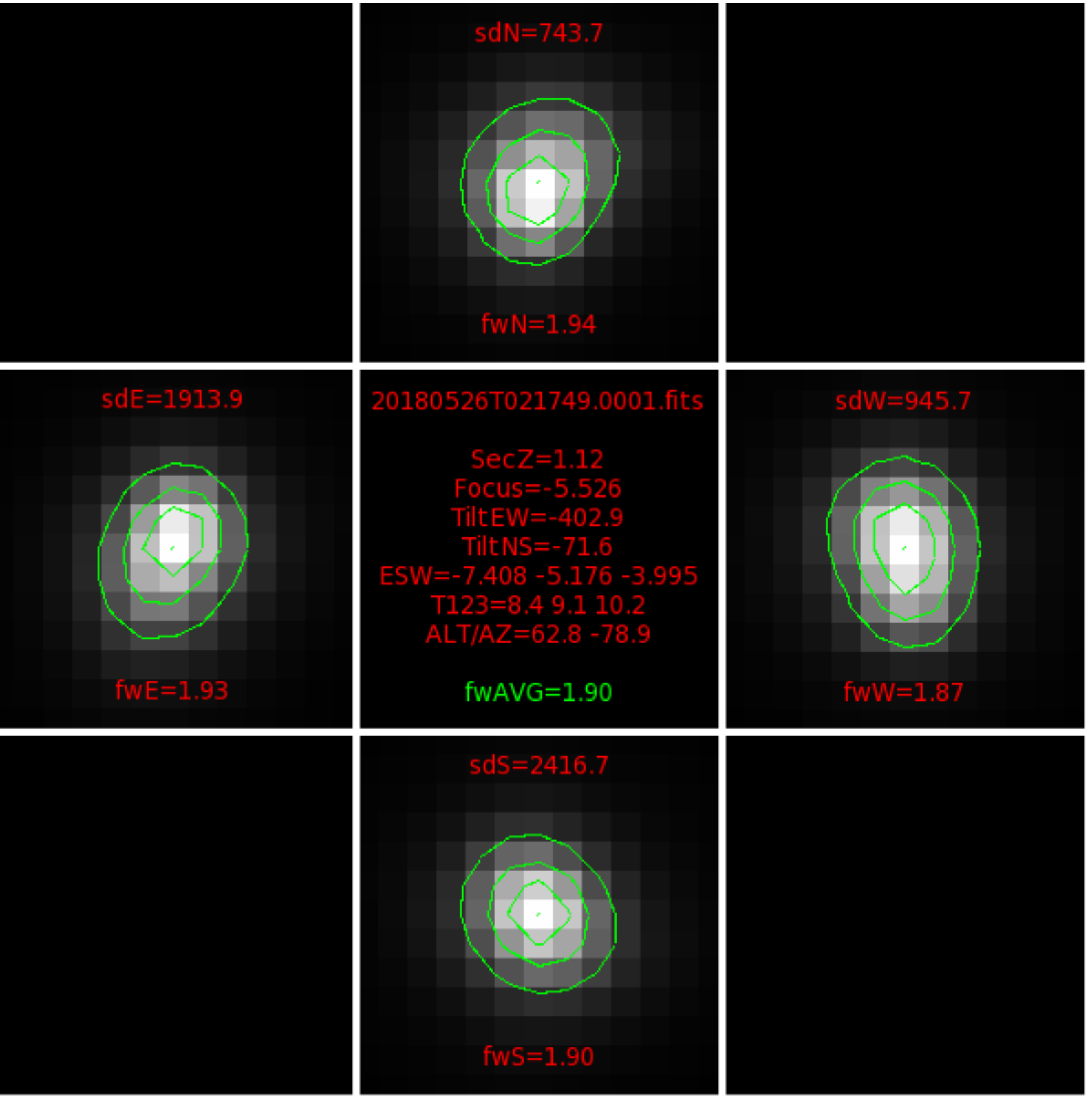
sdN=743.7
fwN=1.94
sdE=1913.9
fwE=1.93
20180526T021749.0001.fits
SecZ=1.12
Focus=-5.526
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.408 -5.176 -3.995
T123=8.4 9.1 10.2
ALT/AZ=62.8 -78.9
fwAVG=1.90
sdW=945.7
fwW=1.87
sdS=2416.7
fwS=1.90
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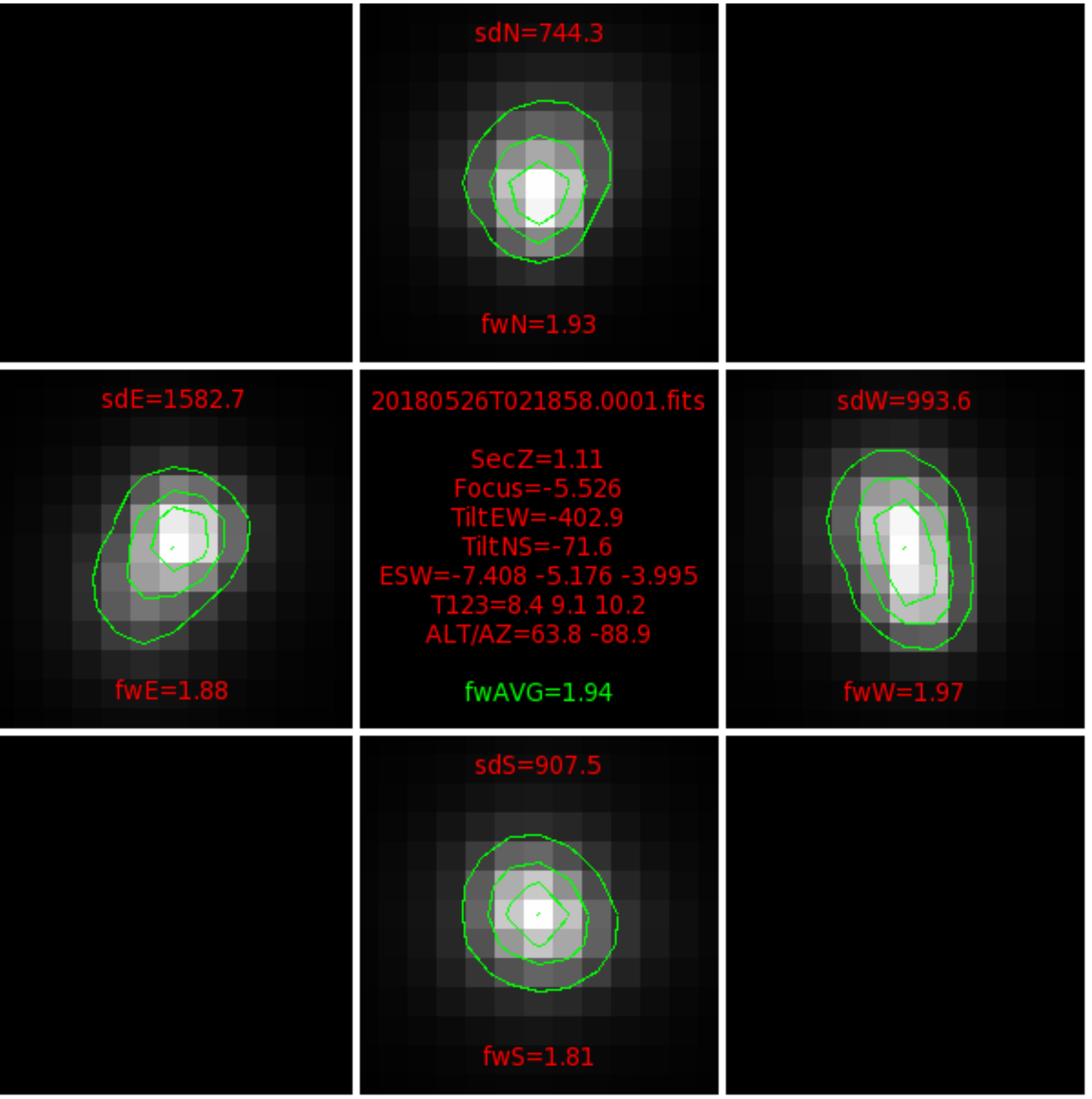
sdN=744.3
fwN=1.93
sdE=1582.7
fwE=1.88
20180526T021858.0001.fits
SecZ=1.11
Focus=-5.526
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.408 -5.176 -3.995
T123=8.4 9.1 10.2
ALT/AZ=63.8 -88.9
fwAVG=1.94
sdW=993.6
fwW=1.97
sdS=907.5
fwS=1.81
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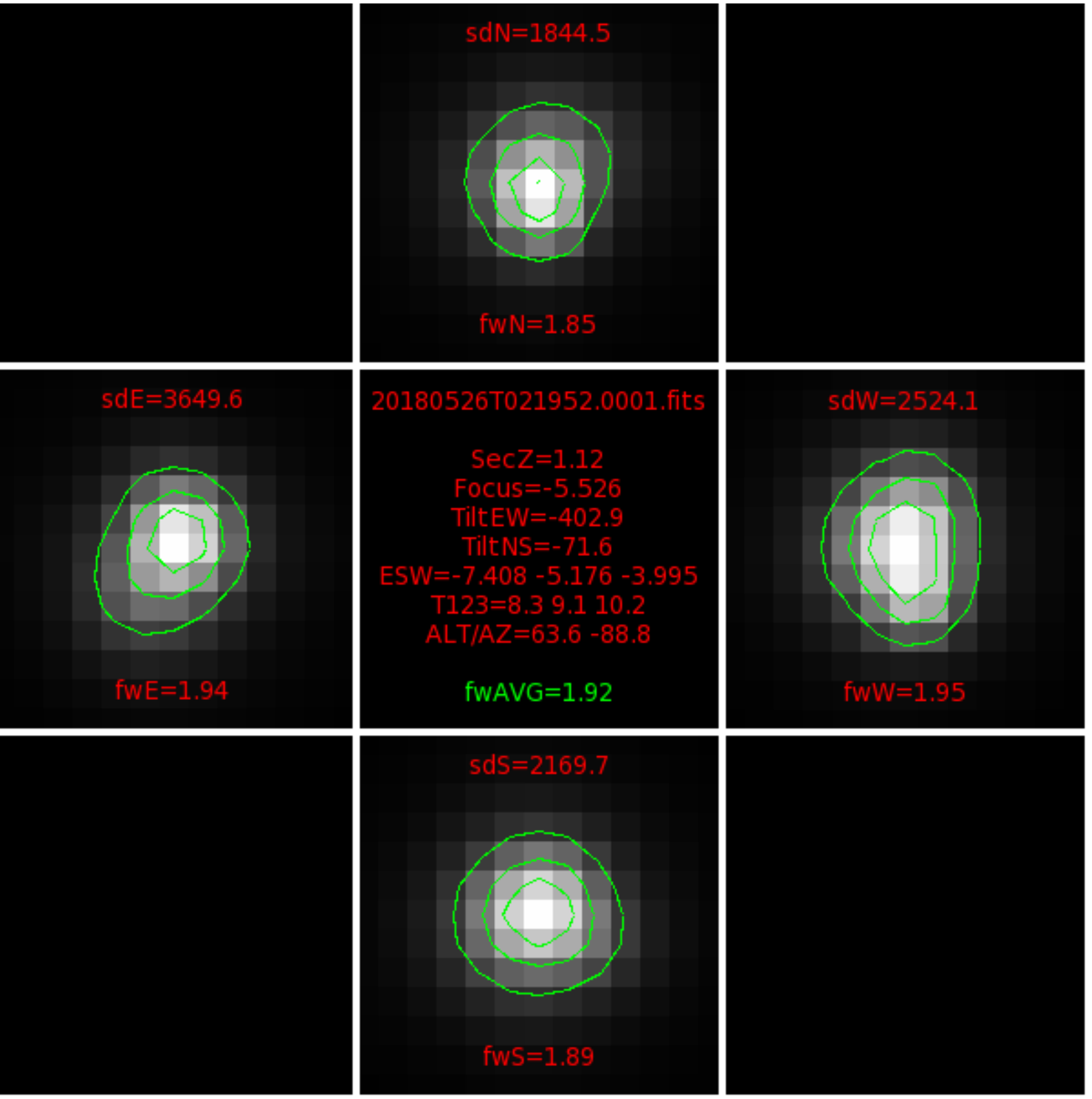
sdN=1844.5
fwN=1.85
sdE=3649.6
fwE=1.94
20180526T021952.0001.fits
SecZ=1.12
Focus=-5.526
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.408 -5.176 -3.995
T123=8.3 9.1 10.2
ALT/AZ=63.6 -88.8
fwAVG=1.92
sdW=2524.1
fwW=1.95
sdS=2169.7
fwS=1.89
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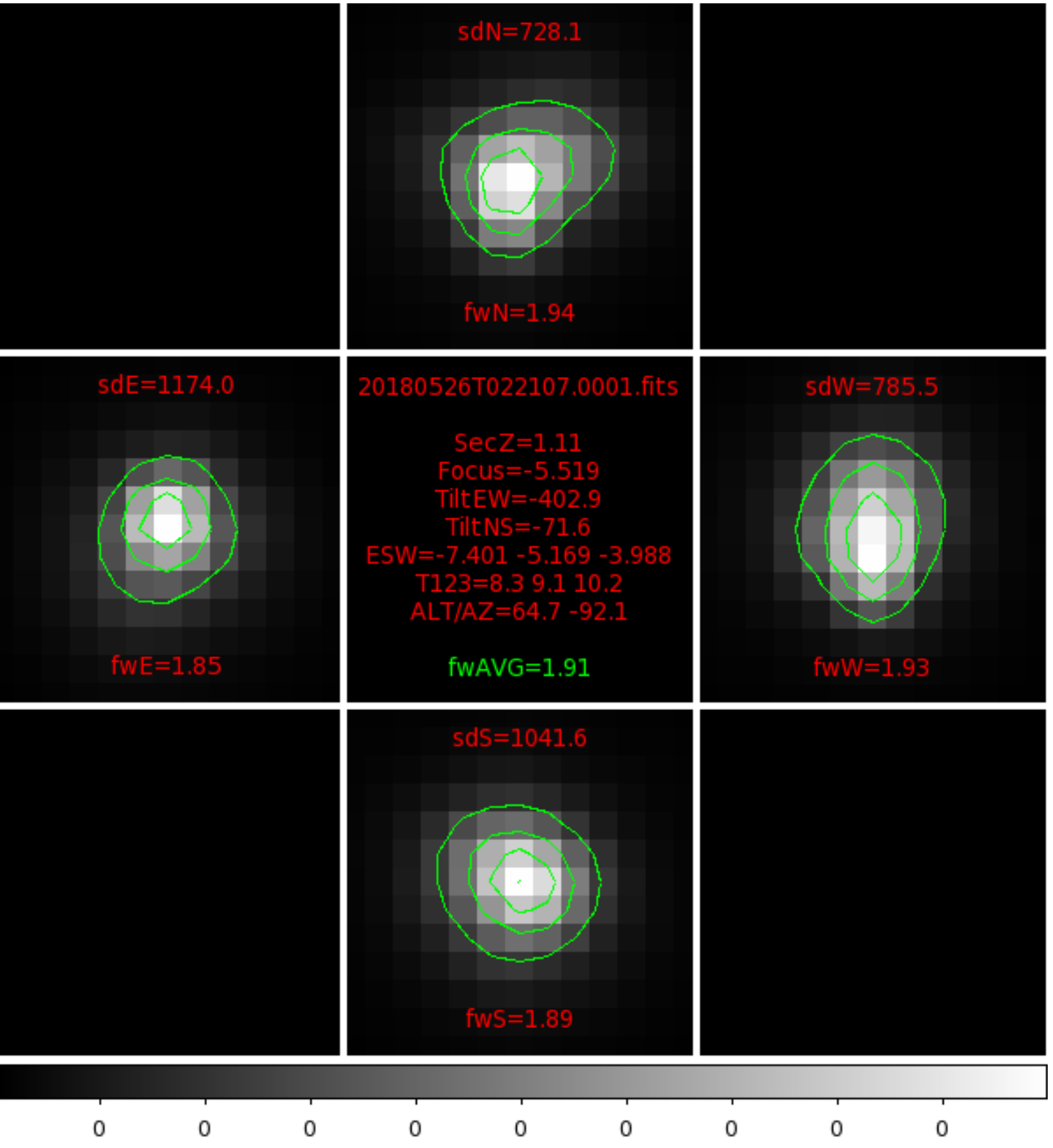
sdN=728.1
fwN=1.94
sdE=1174.0
fwE=1.85
20180526T022107.0001.fits
SecZ=1.11
Focus=-5.519
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.401 -5.169 -3.988
T123=8.3 9.1 10.2
ALT/AZ=64.7 -92.1
fwAVG=1.91
sdW=785.5
fwW=1.93
sdS=1041.6
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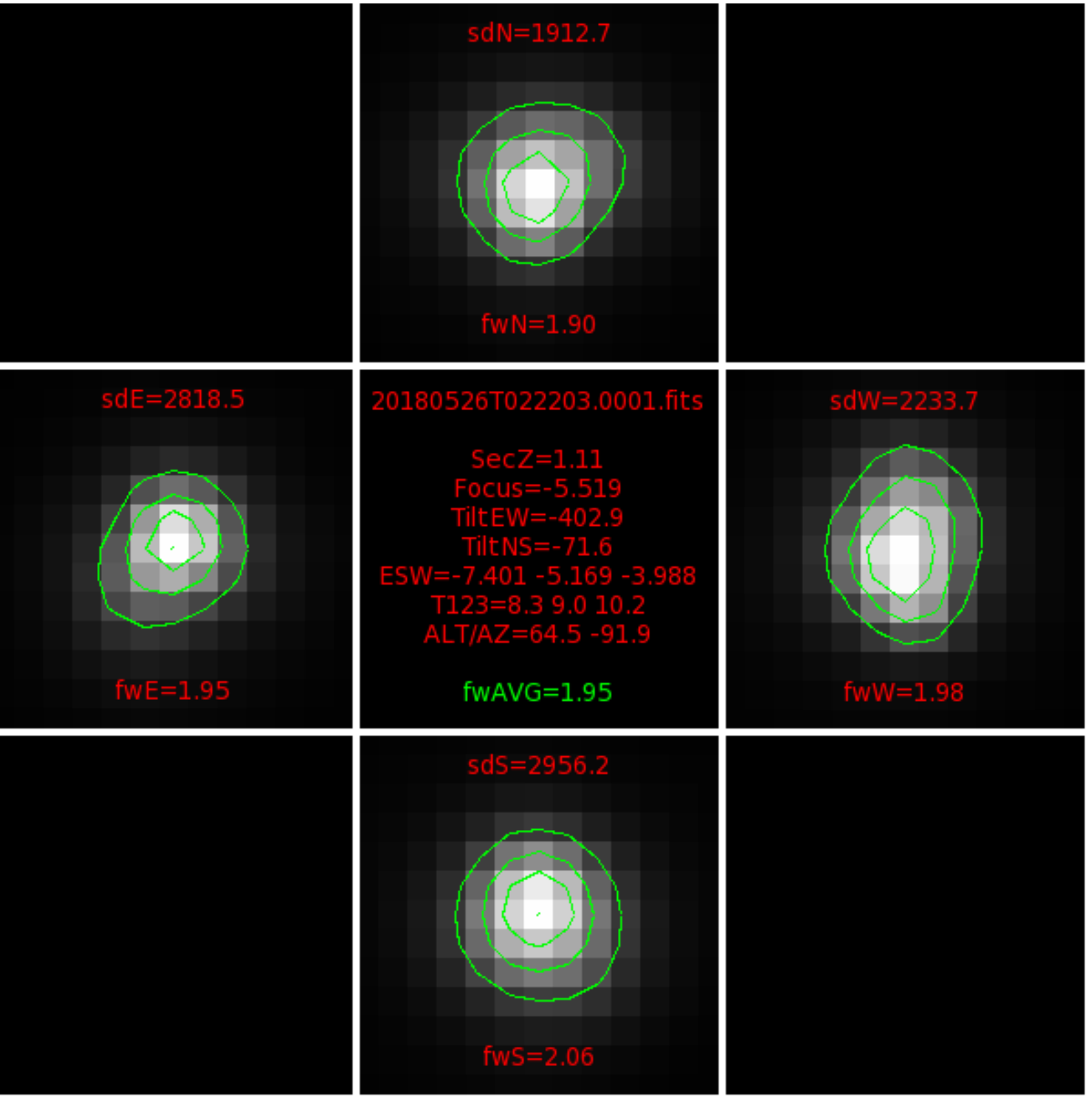
sdN=1912.7
fwN=1.90
sdE=2818.5
fwE=1.95
20180526T022203.0001.fits
SecZ=1.11
Focus=-5.519
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.401 -5.169 -3.988
T123=8.3 9.0 10.2
ALT/AZ=64.5 -91.9
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sdW=2233.7
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sdS=2956.2
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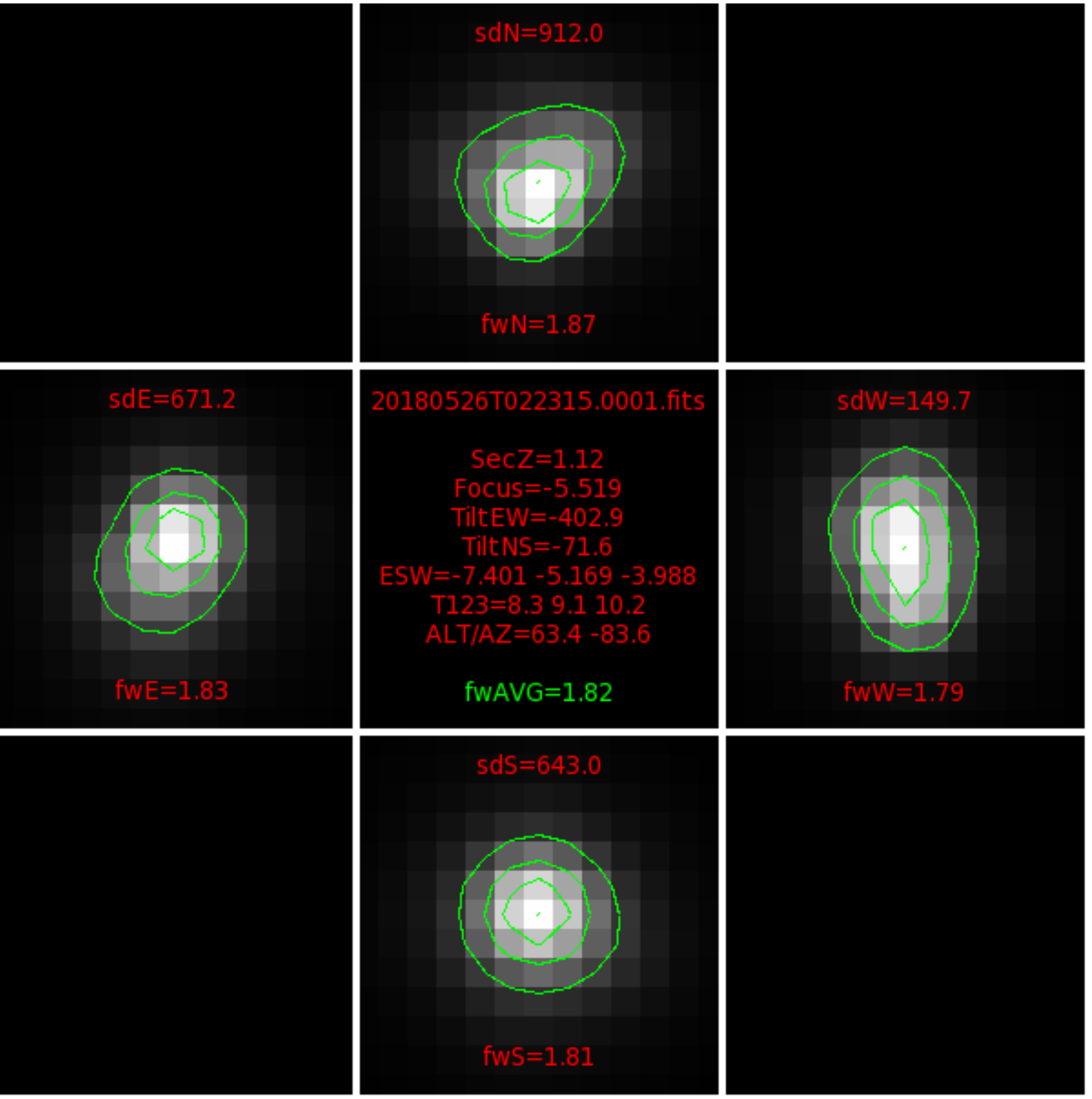
sdN=912.0
fwN=1.87
sdE=671.2
fwE=1.83
20180526T022315.0001.fits
SecZ=1.12
Focus=-5.519
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.401 -5.169 -3.988
T123=8.3 9.1 10.2
ALT/AZ=63.4 -83.6
fwAVG=1.82
sdW=149.7
fwW=1.79
sdS=643.0
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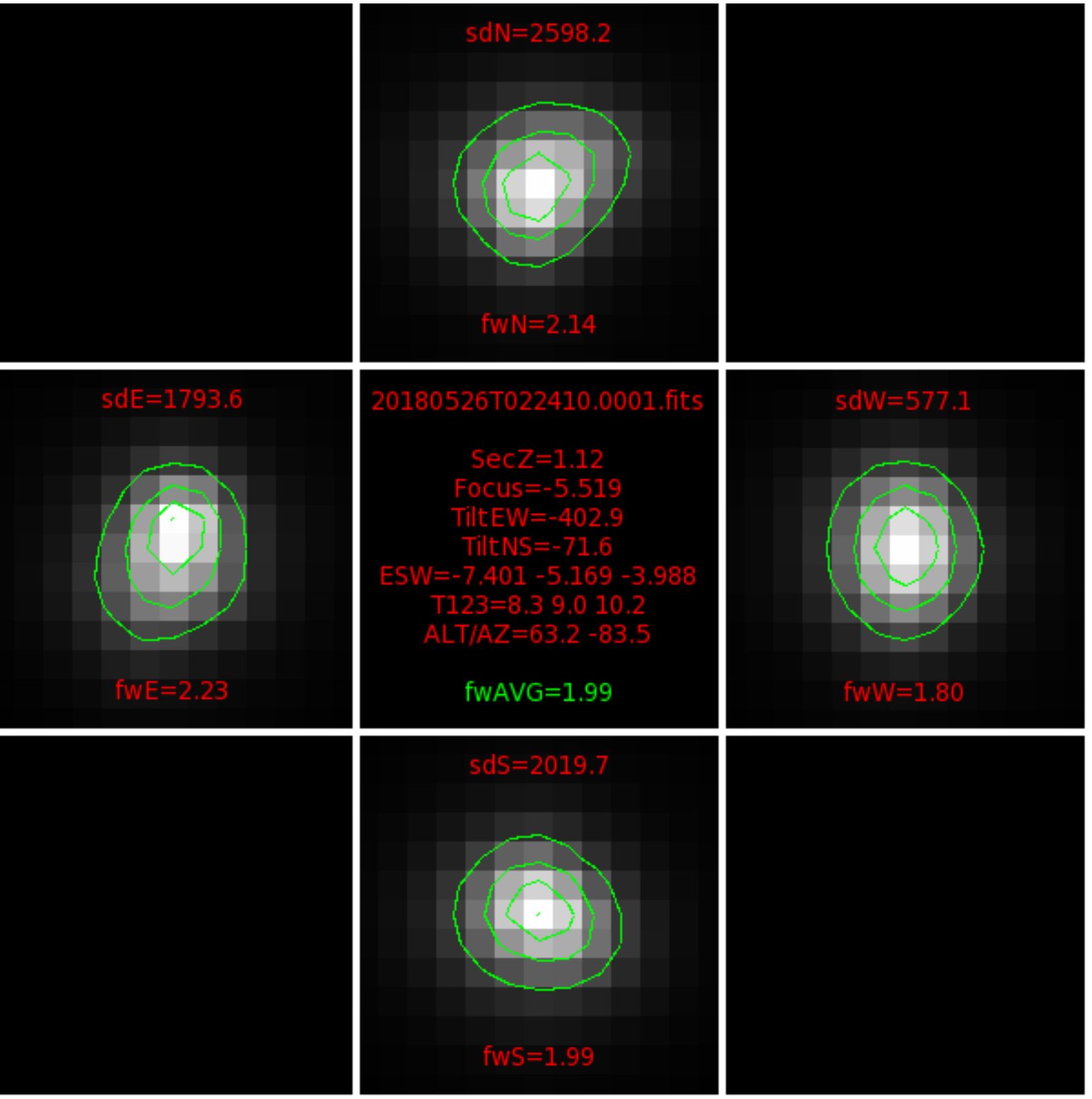
sdN=2598.2
fwN=2.14
sdE=1793.6
fwE=2.23
20180526T022410.0001.fits
SecZ=1.12
Focus=-5.519
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.401 -5.169 -3.988
T123=8.3 9.0 10.2
ALT/AZ=63.2 -83.5
fwAVG=1.99
sdW=577.1
fwW=1.80
sdS=2019.7
fwS=1.99
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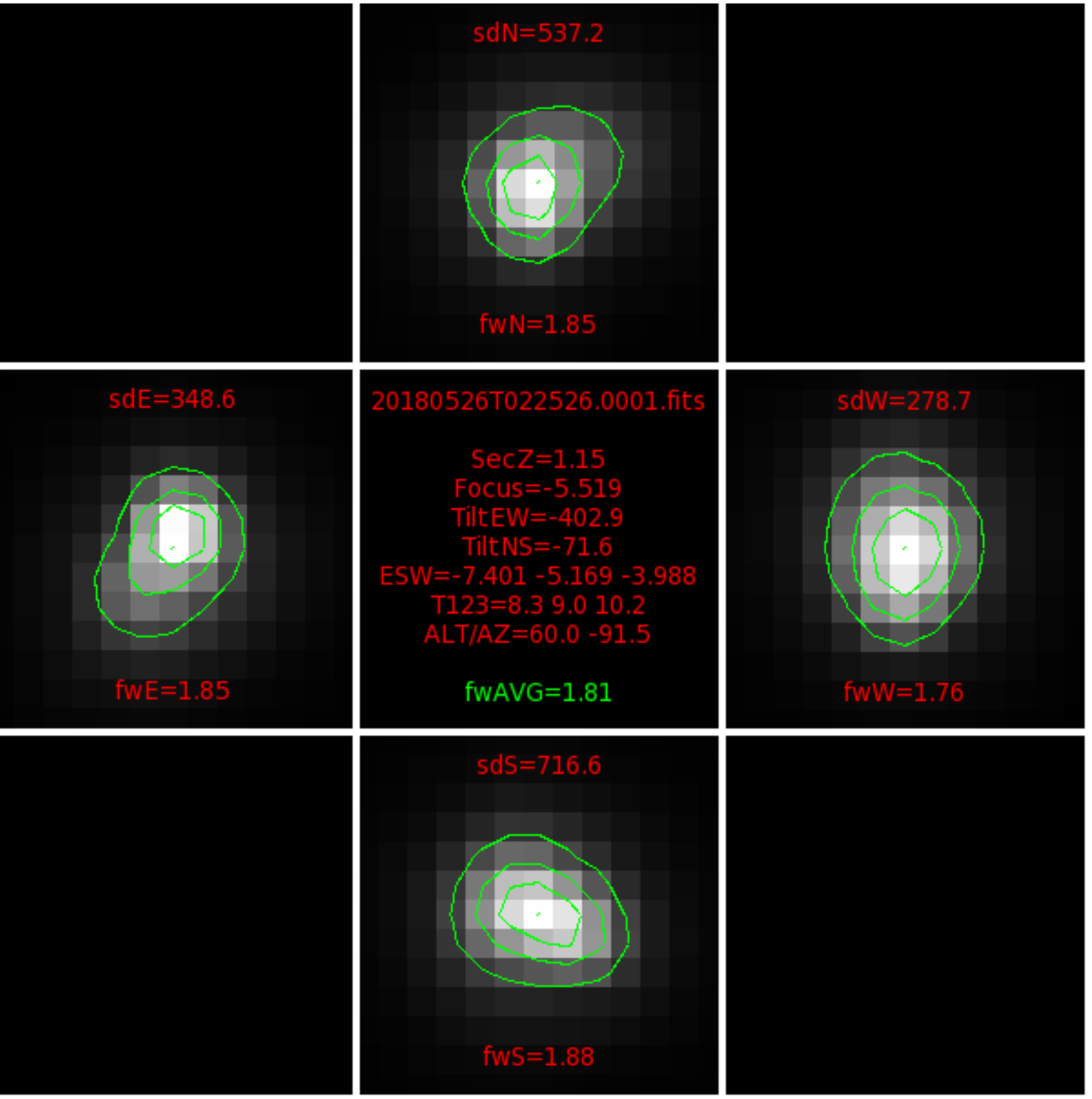
sdN=537.2
fwN=1.85
sdE=348.6
fwE=1.85
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SecZ=1.15
Focus=-5.519
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.401 -5.169 -3.988
T123=8.3 9.0 10.2
ALT/AZ=60.0 -91.5
fwAVG=1.81
sdW=278.7
fwW=1.76
sdS=716.6
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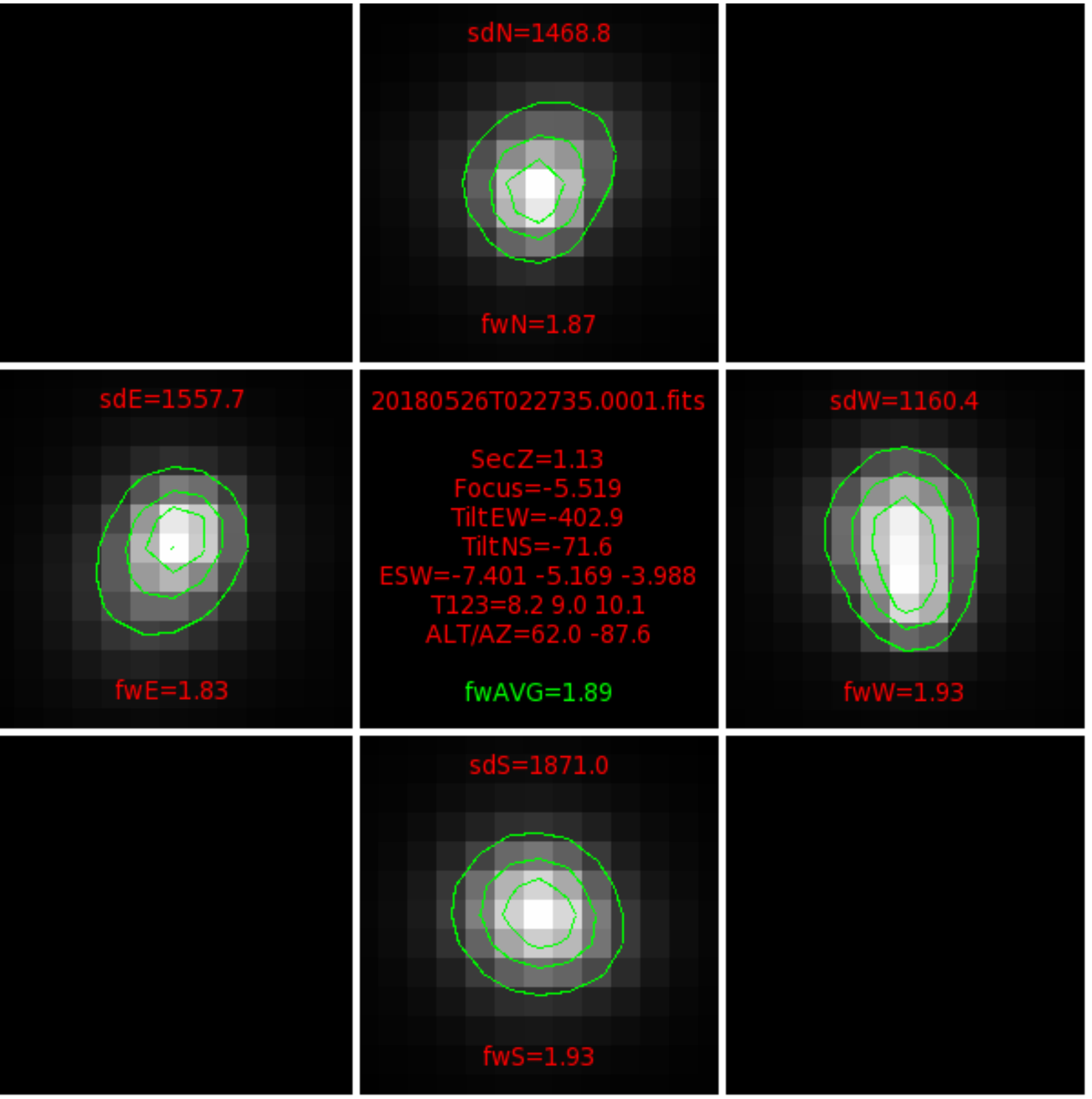
sdN=1468.8
fwN=1.87
sdE=1557.7
fwE=1.83
20180526T022735.0001.fits
SecZ=1.13
Focus=-5.519
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.401 -5.169 -3.988
T123=8.2 9.0 10.1
ALT/AZ=62.0 -87.6
fwAVG=1.89
sdW=1160.4
fwW=1.93
sdS=1871.0
fwS=1.93
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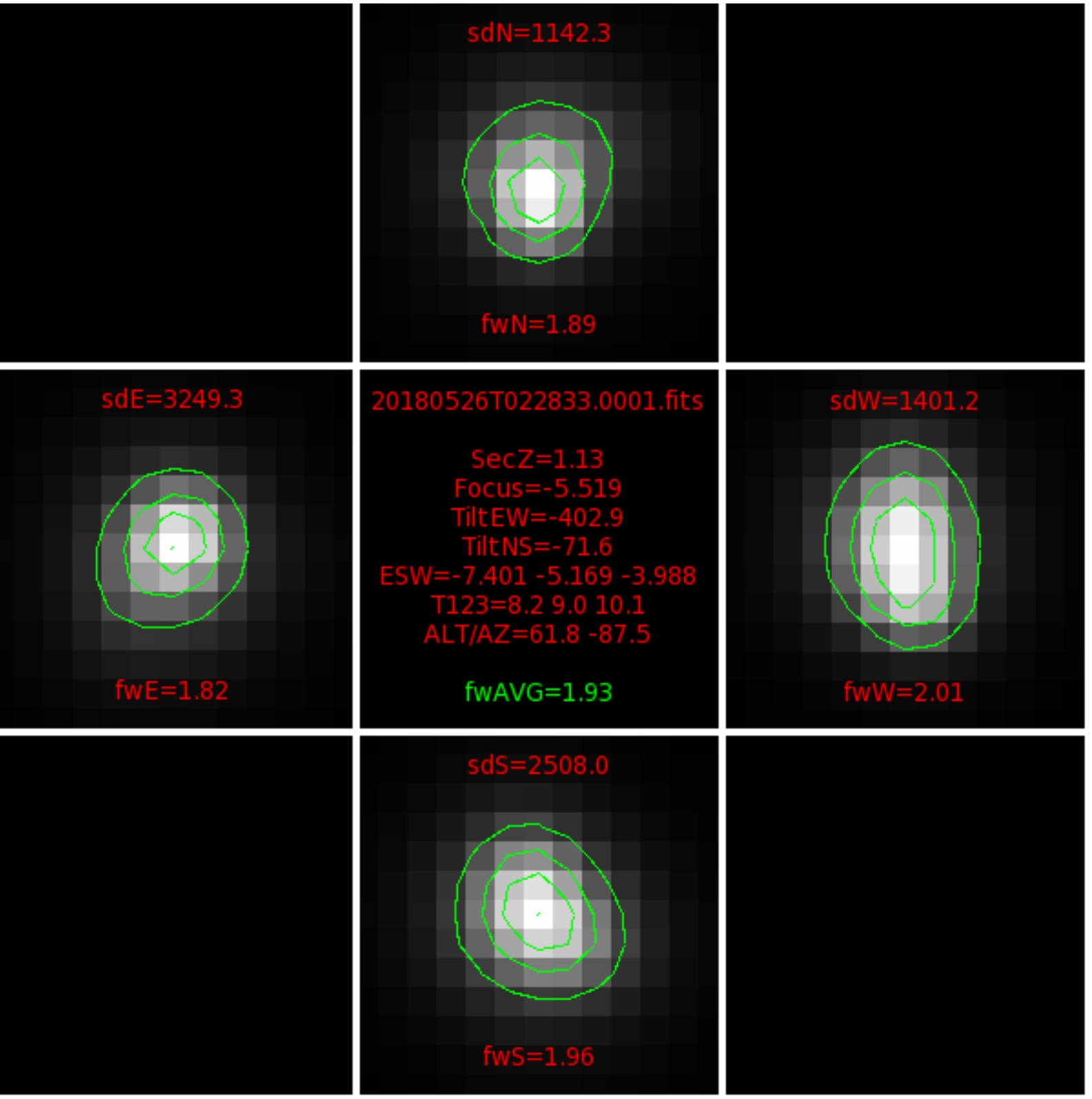
sdN=1142.3
fwN=1.89
sdE=3249.3
fwE=1.82
20180526T022833.0001.fits
SecZ=1.13
Focus=-5.519
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.401 -5.169 -3.988
T123=8.2 9.0 10.1
ALT/AZ=61.8 -87.5
fwAVG=1.93
sdW=1401.2
fwW=2.01
sdS=2508.0
fwS=1.96
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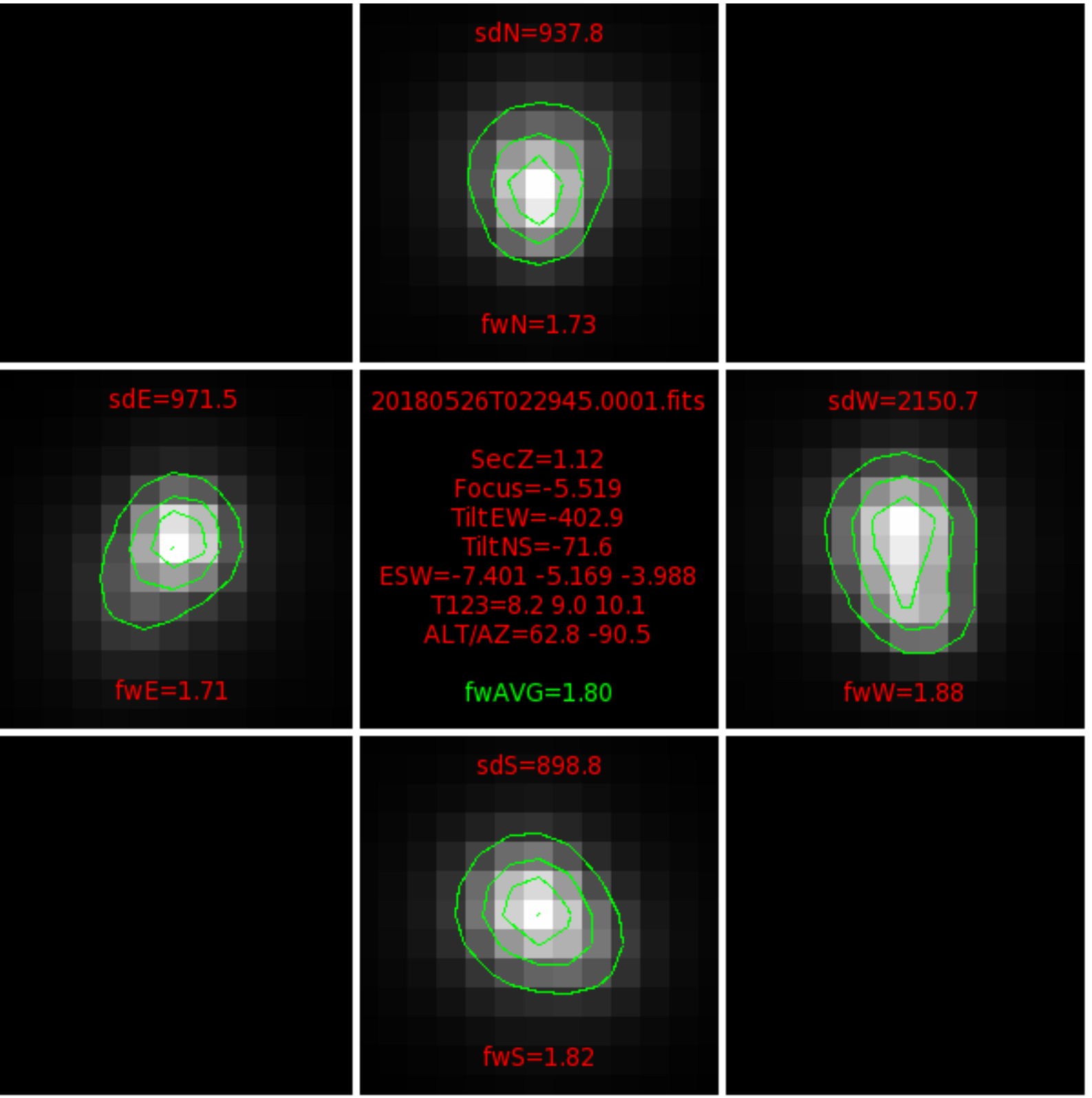
sdN=937.8
fwN=1.73
sdE=971.5
fwE=1.71
20180526T022945.0001.fits
SecZ=1.12
Focus=-5.519
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.401 -5.169 -3.988
T123=8.2 9.0 10.1
ALT/AZ=62.8 -90.5
fwAVG=1.80
sdW=2150.7
fwW=1.88
sdS=898.8
fwS=1.82
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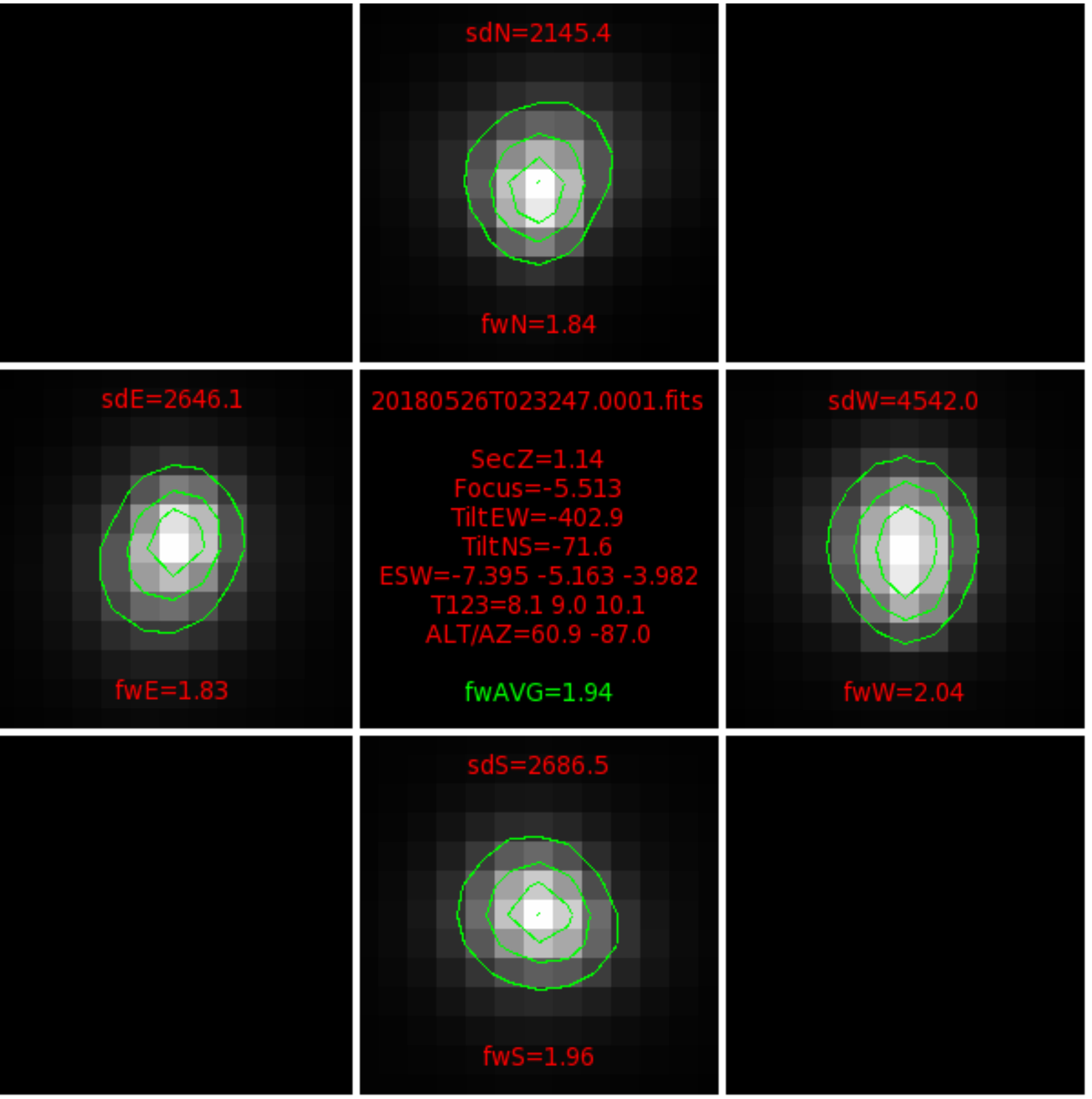
sdN=2145.4
fwN=1.84
sdE=2646.1
fwE=1.83
20180526T023247.0001.fits
SecZ=1.14
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 9.0 10.1
ALT/AZ=60.9 -87.0
fwAVG=1.94
sdW=4542.0
fwW=2.04
sdS=2686.5
fwS=1.96
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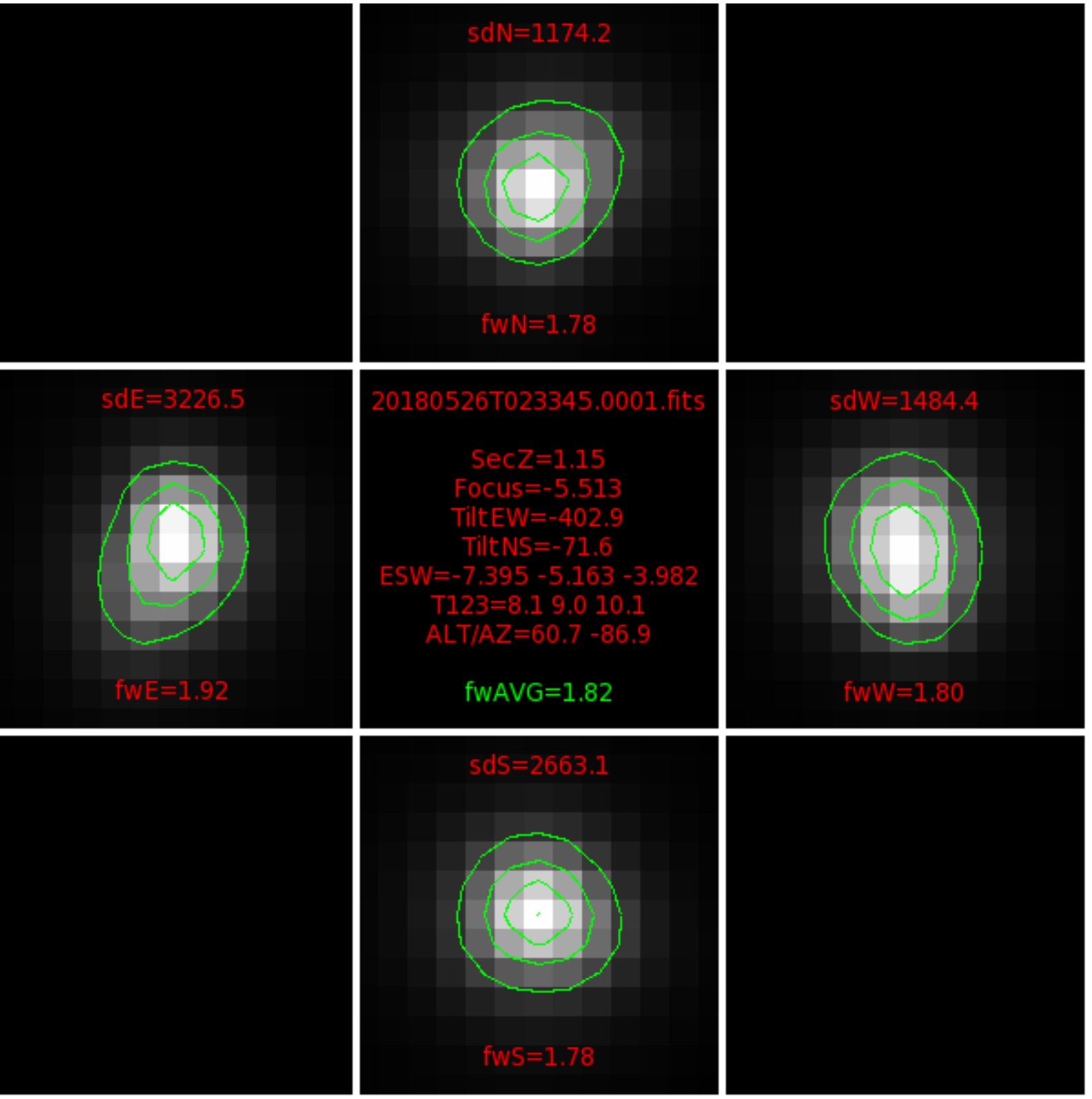
sdN=1174.2
fwN=1.78
sdE=3226.5
fwE=1.92
20180526T023345.0001.fits
SecZ=1.15
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 9.0 10.1
ALT/AZ=60.7 -86.9
fwAVG=1.82
sdW=1484.4
fwW=1.80
sdS=2663.1
fwS=1.78
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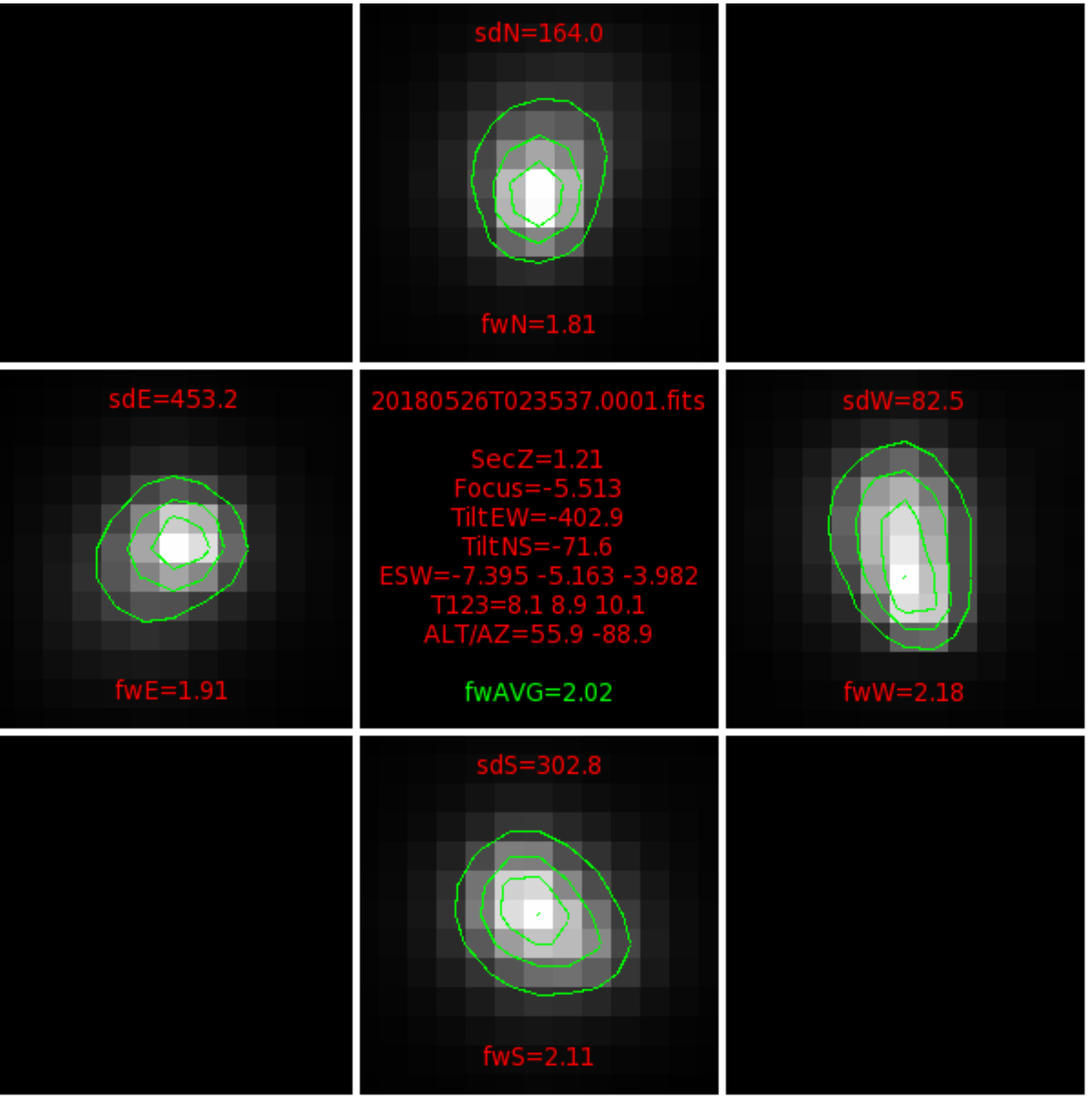
sdN=164.0
fwN=1.81
sdE=453.2
fwE=1.91
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SecZ=1.21
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 8.9 10.1
ALT/AZ=55.9 -88.9
fwAVG=2.02
sdW=82.5
fwW=2.18
sdS=302.8
fwS=2.11
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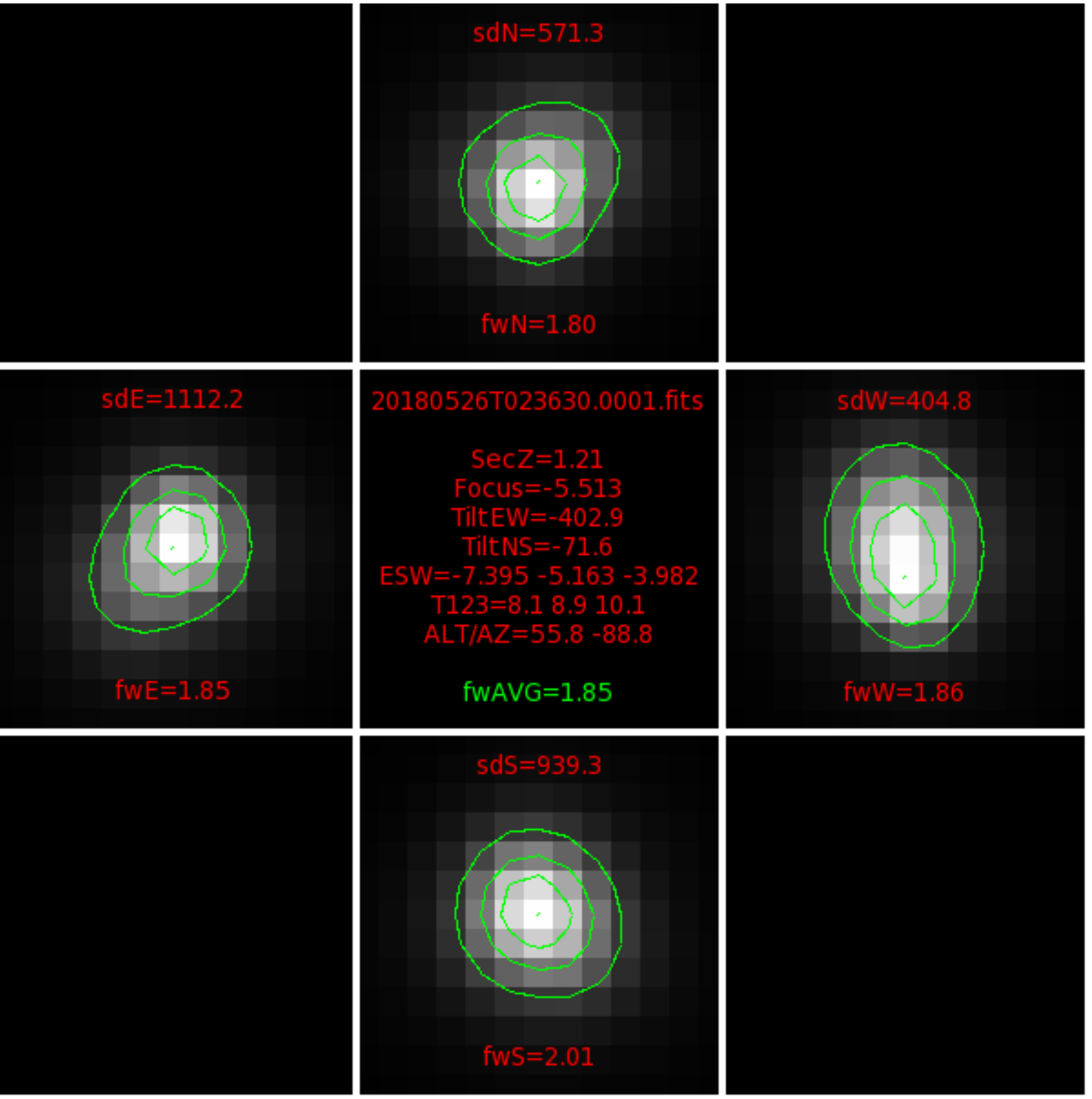
sdN=571.3
fwN=1.80
sdE=1112.2
fwE=1.85
20180526T023630.0001.fits
SecZ=1.21
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 8.9 10.1
ALT/AZ=55.8 -88.8
fwAVG=1.85
sdW=404.8
fwW=1.86
sdS=939.3
fwS=2.01
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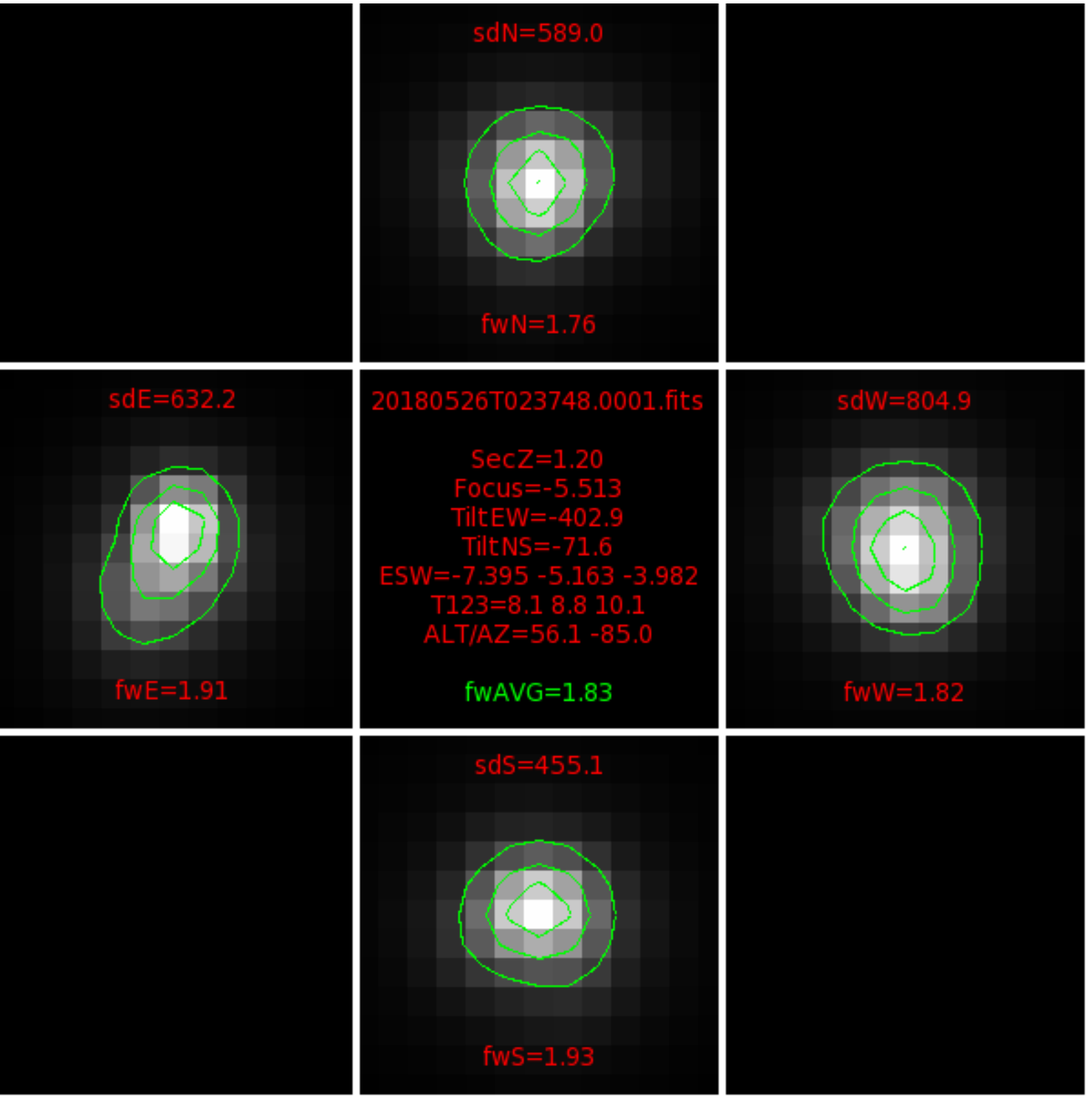
sdN=589.0
fwN=1.76
sdE=632.2
fwE=1.91
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SecZ=1.20
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 8.8 10.1
ALT/AZ=56.1 -85.0
fwAVG=1.83
sdW=804.9
fwW=1.82
sdS=455.1
fwS=1.93
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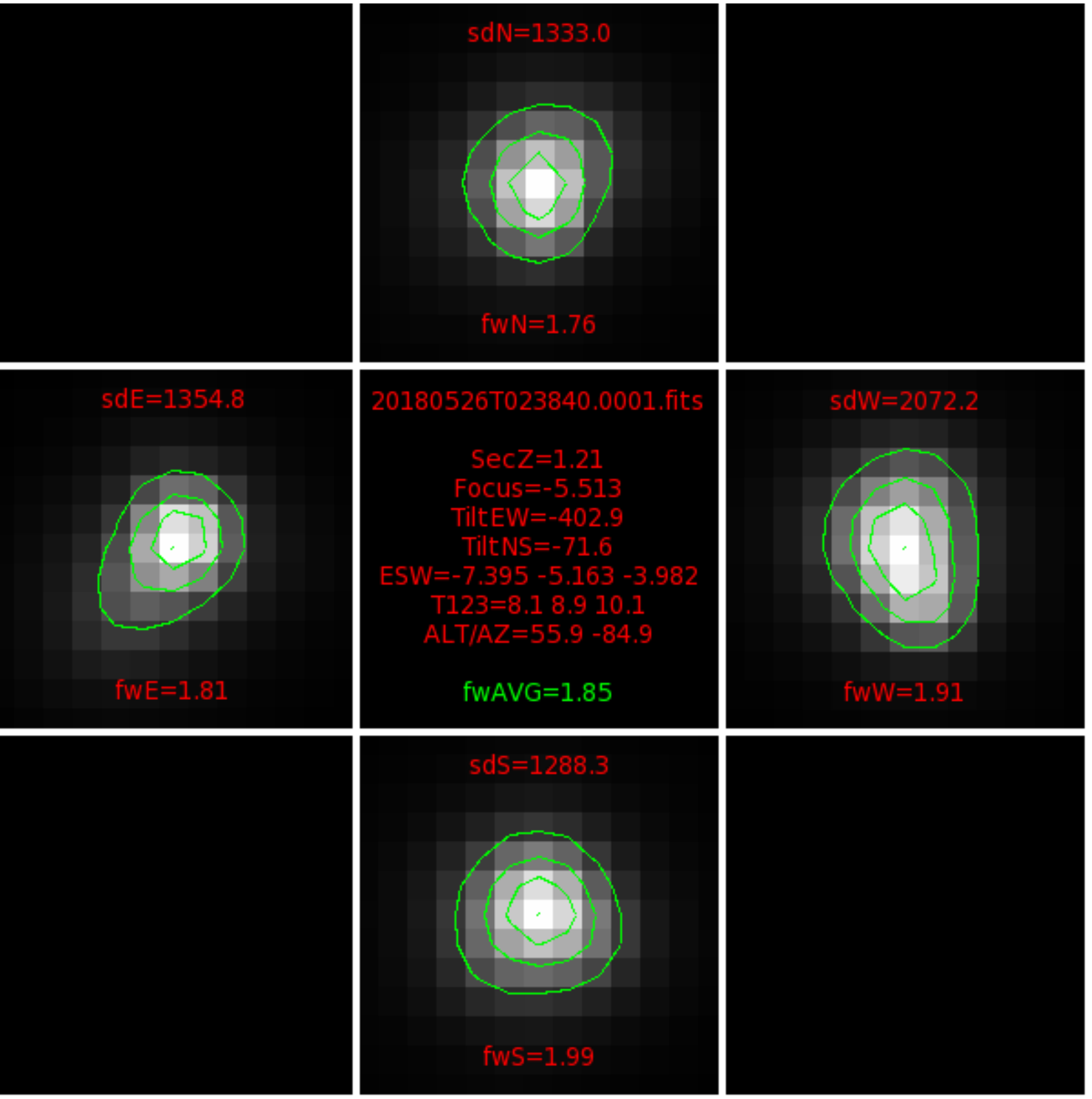
sdN=1333.0
fwN=1.76
sdE=1354.8
fwE=1.81
20180526T023840.0001.fits
SecZ=1.21
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 8.9 10.1
ALT/AZ=55.9 -84.9
fwAVG=1.85
sdW=2072.2
fwW=1.91
sdS=1288.3
fwS=1.99
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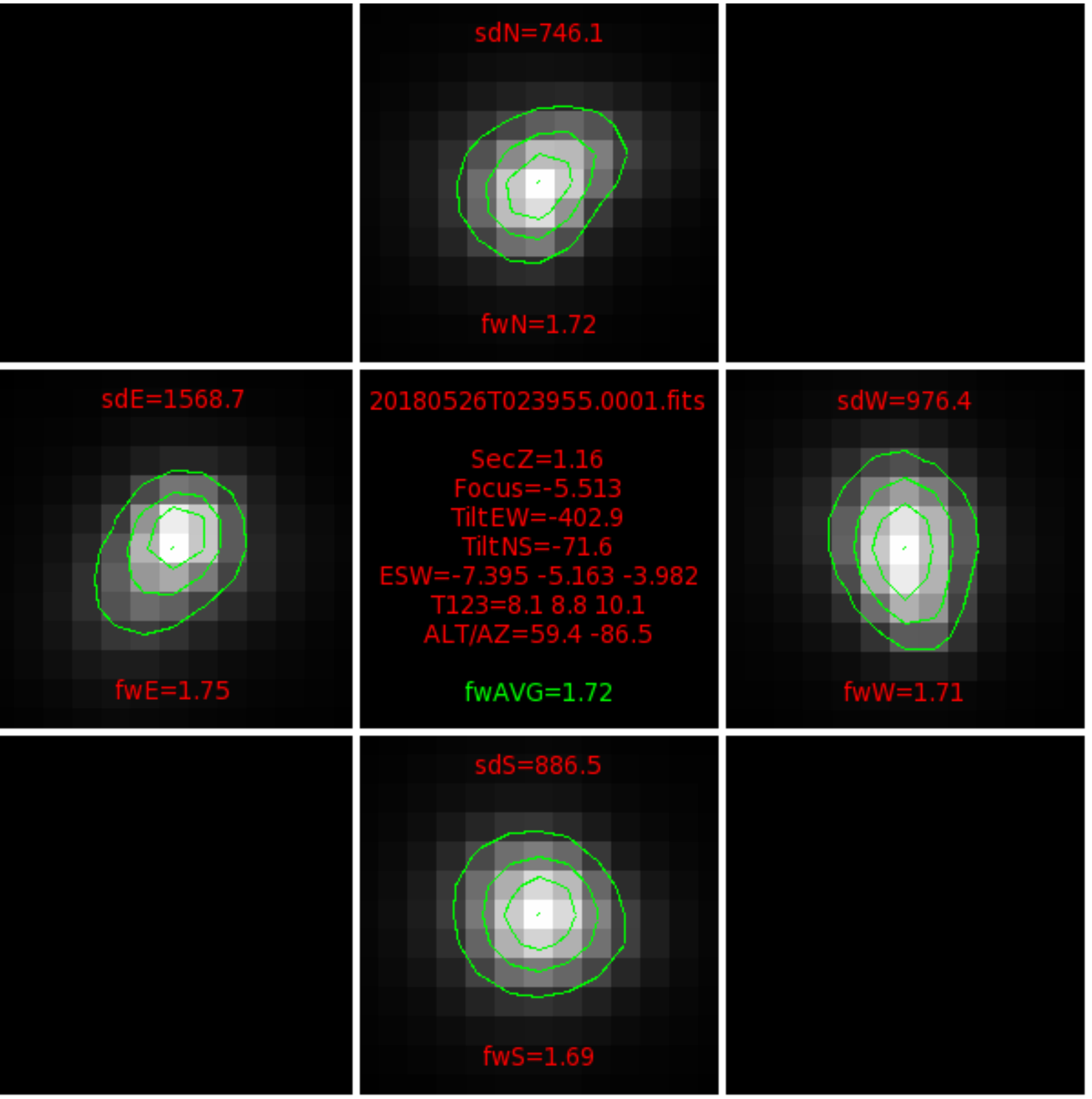
sdN=746.1
fwN=1.72
sdE=1568.7
fwE=1.75
20180526T023955.0001.fits
SecZ=1.16
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 8.8 10.1
ALT/AZ=59.4 -86.5
fwAVG=1.72
sdW=976.4
fwW=1.71
sdS=886.5
fwS=1.69
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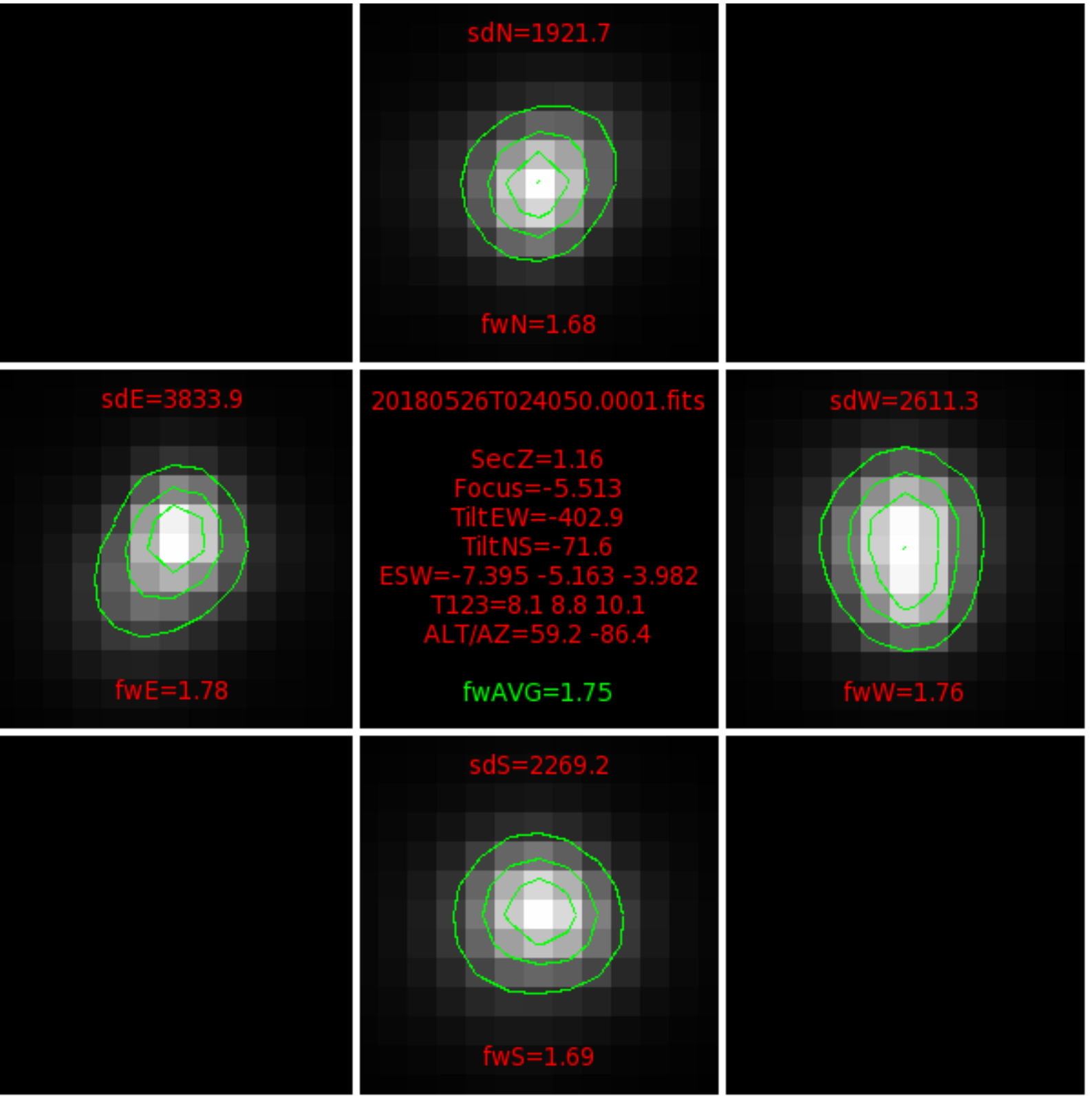
sdN=1921.7
fwN=1.68
sdE=3833.9
fwE=1.78
20180526T024050.0001.fits
SecZ=1.16
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 8.8 10.1
ALT/AZ=59.2 -86.4
fwAVG=1.75
sdW=2611.3
fwW=1.76
sdS=2269.2
fwS=1.69
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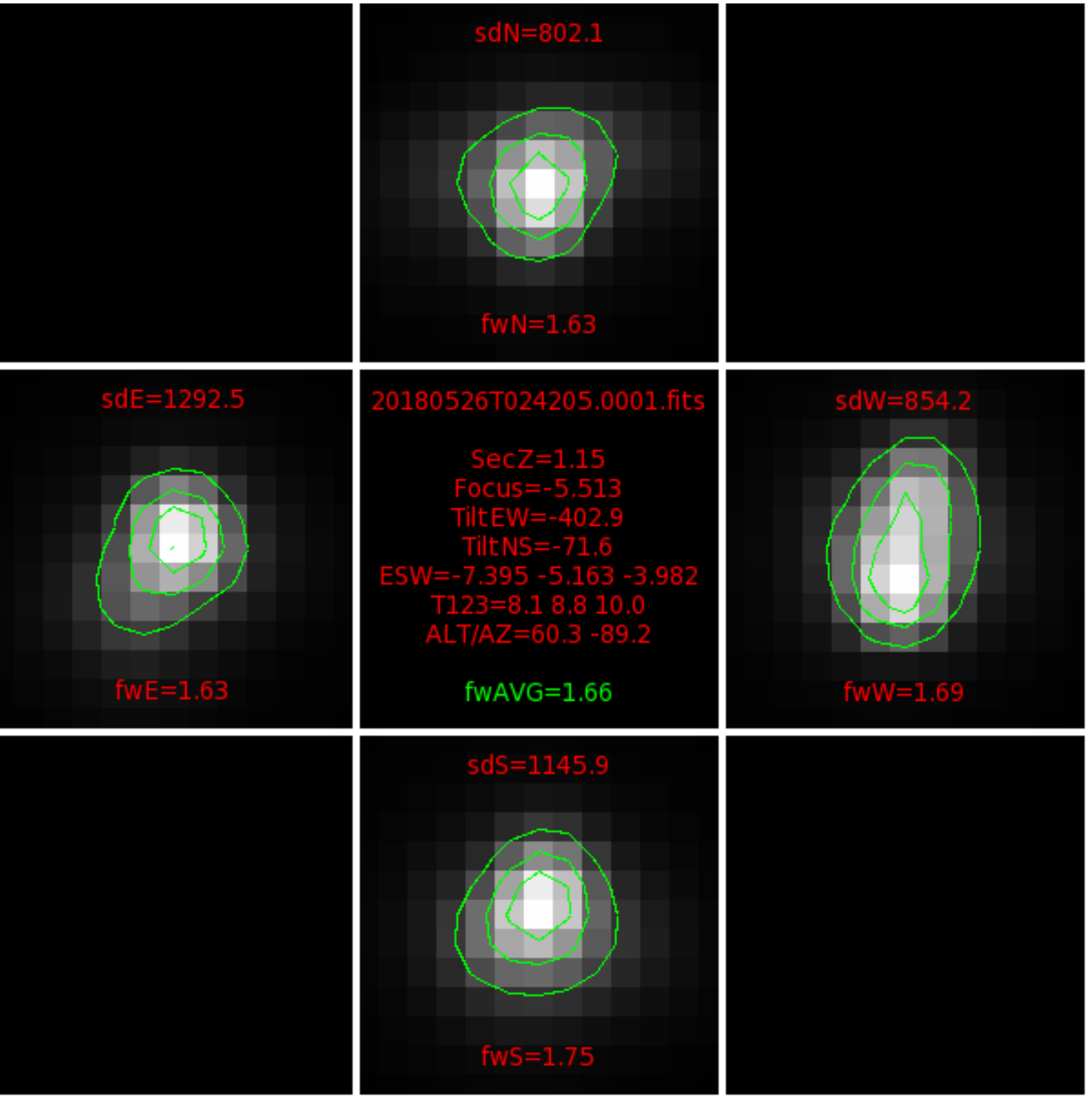
sdN=802.1
fwN=1.63
sdE=1292.5
fwE=1.63
20180526T024205.0001.fits
SecZ=1.15
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 8.8 10.0
ALT/AZ=60.3 -89.2
fwAVG=1.66
sdW=854.2
fwW=1.69
sdS=1145.9
fwS=1.75
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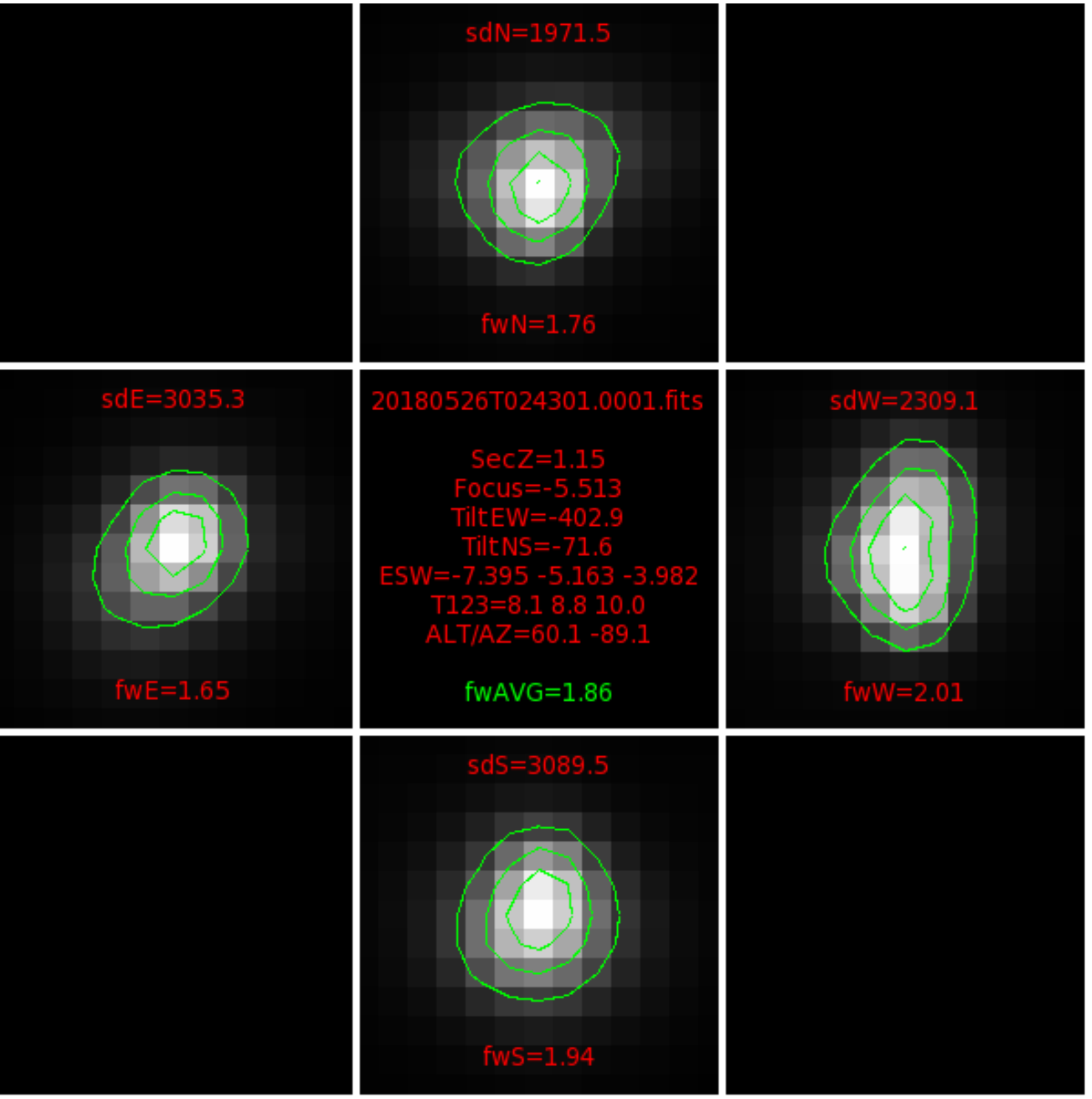
sdN=1971.5
fwN=1.76
sdE=3035.3
fwE=1.65
20180526T024301.0001.fits
SecZ=1.15
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 8.8 10.0
ALT/AZ=60.1 -89.1
fwAVG=1.86
sdW=2309.1
fwW=2.01
sdS=3089.5
fwS=1.94
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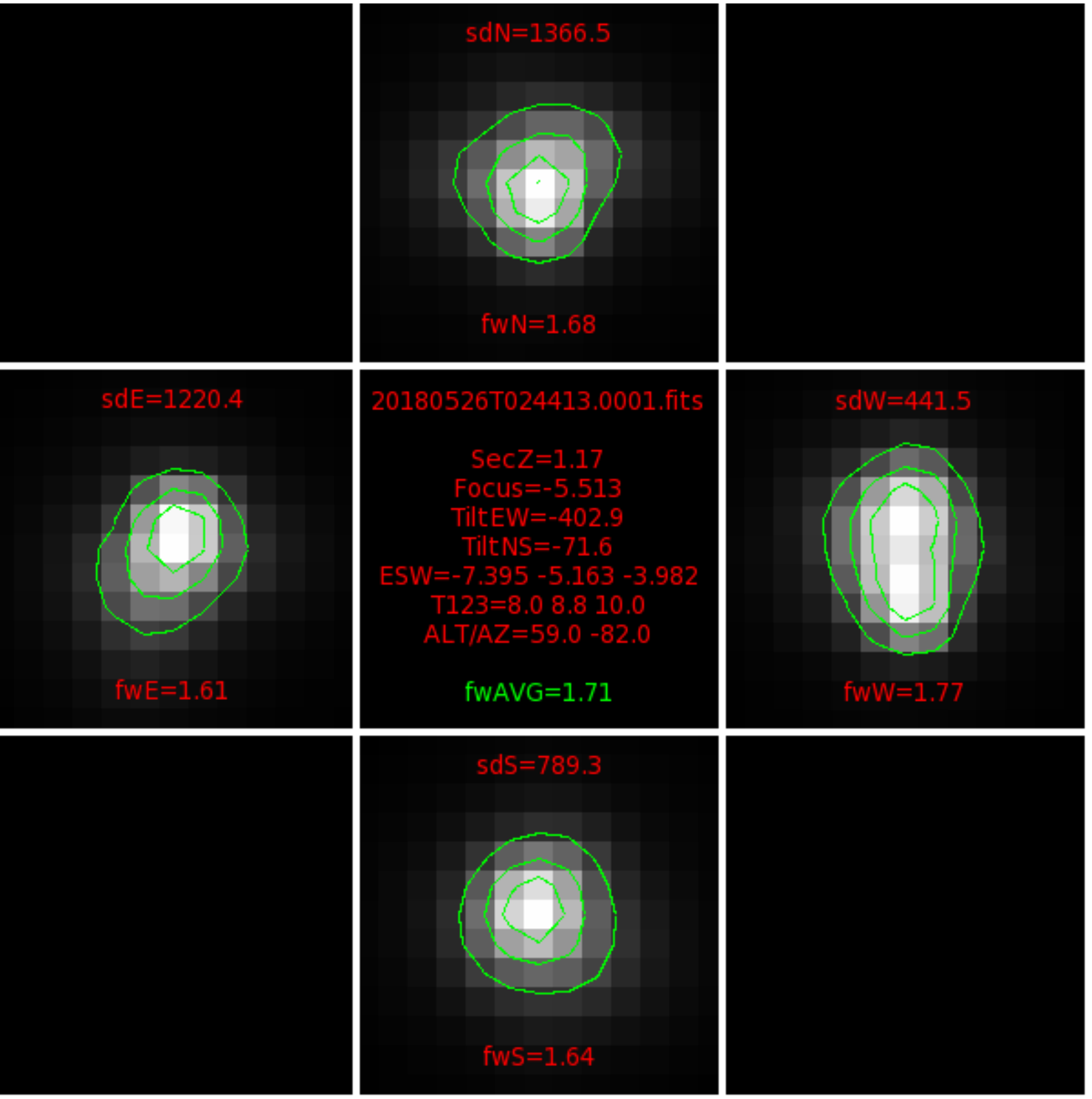
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fwN=1.68
sdE=1220.4
fwE=1.61
20180526T024413.0001.fits
SecZ=1.17
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.0 8.8 10.0
ALT/AZ=59.0 -82.0
fwAVG=1.71
sdW=441.5
fwW=1.77
sdS=789.3
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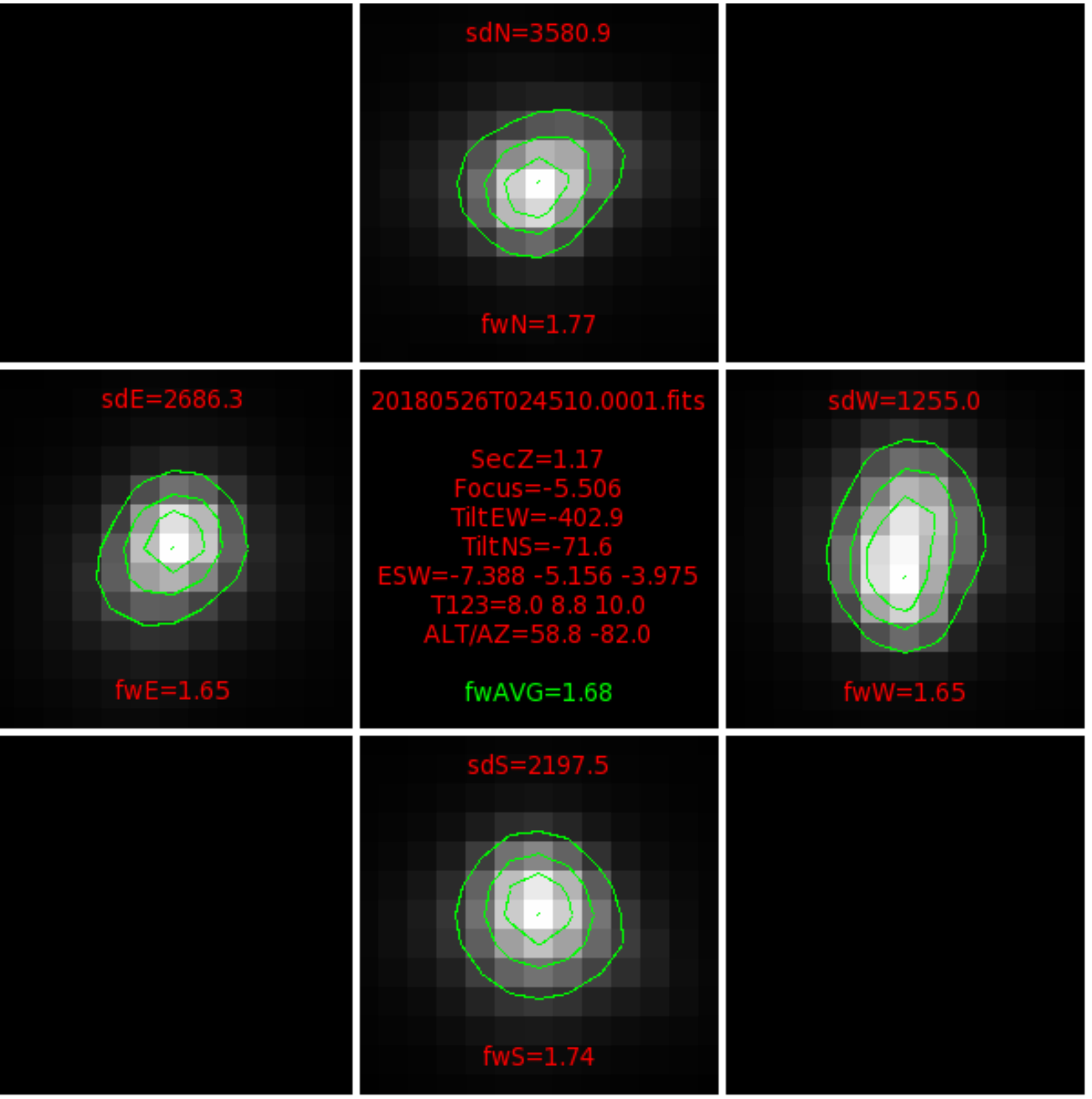
sdN=3580.9
fwN=1.77
sdE=2686.3
fwE=1.65
20180526T024510.0001.fits
SecZ=1.17
Focus=-5.506
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.388 -5.156 -3.975
T123=8.0 8.8 10.0
ALT/AZ=58.8 -82.0
fwAVG=1.68
sdW=1255.0
fwW=1.65
sdS=2197.5
fwS=1.74
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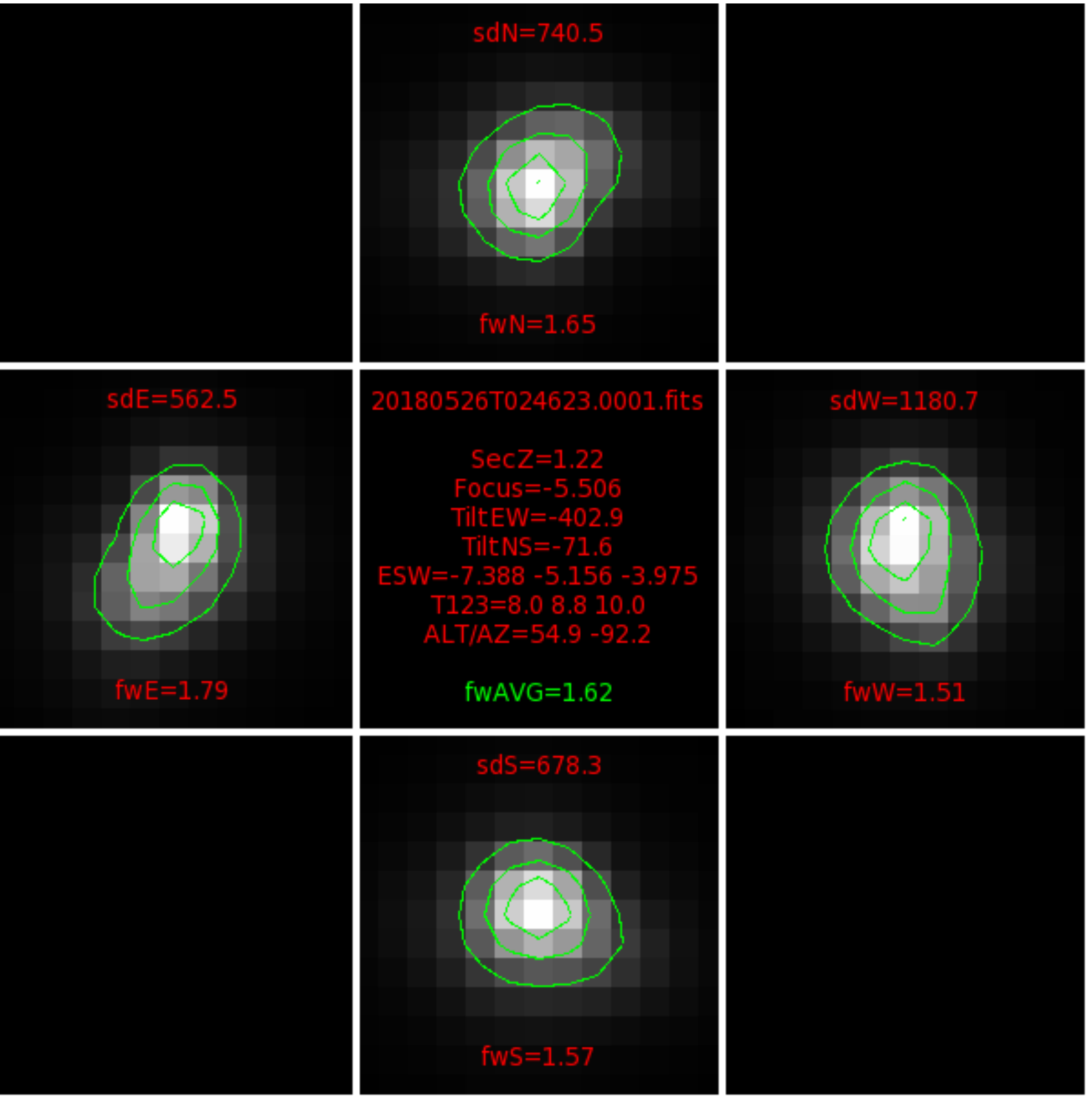
sdN=740.5
fwN=1.65
sdE=562.5
fwE=1.79
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SecZ=1.22
Focus=-5.506
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.388 -5.156 -3.975
T123=8.0 8.8 10.0
ALT/AZ=54.9 -92.2
fwAVG=1.62
sdW=1180.7
fwW=1.51
sdS=678.3
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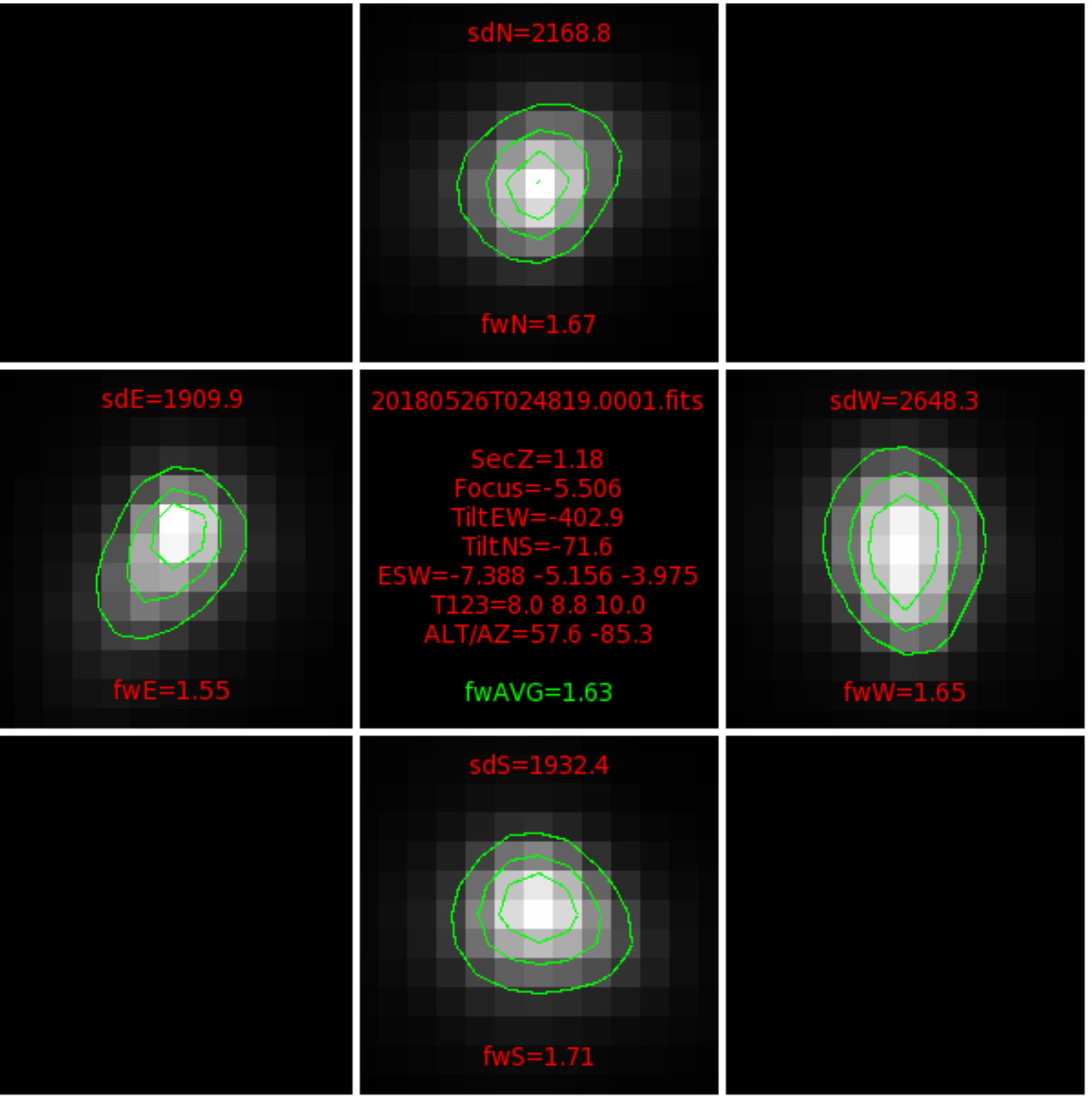
sdN=2168.8
fwN=1.67
sdE=1909.9
fwE=1.55
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SecZ=1.18
Focus=-5.506
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.388 -5.156 -3.975
T123=8.0 8.8 10.0
ALT/AZ=57.6 -85.3
fwAVG=1.63
sdW=2648.3
fwW=1.65
sdS=1932.4
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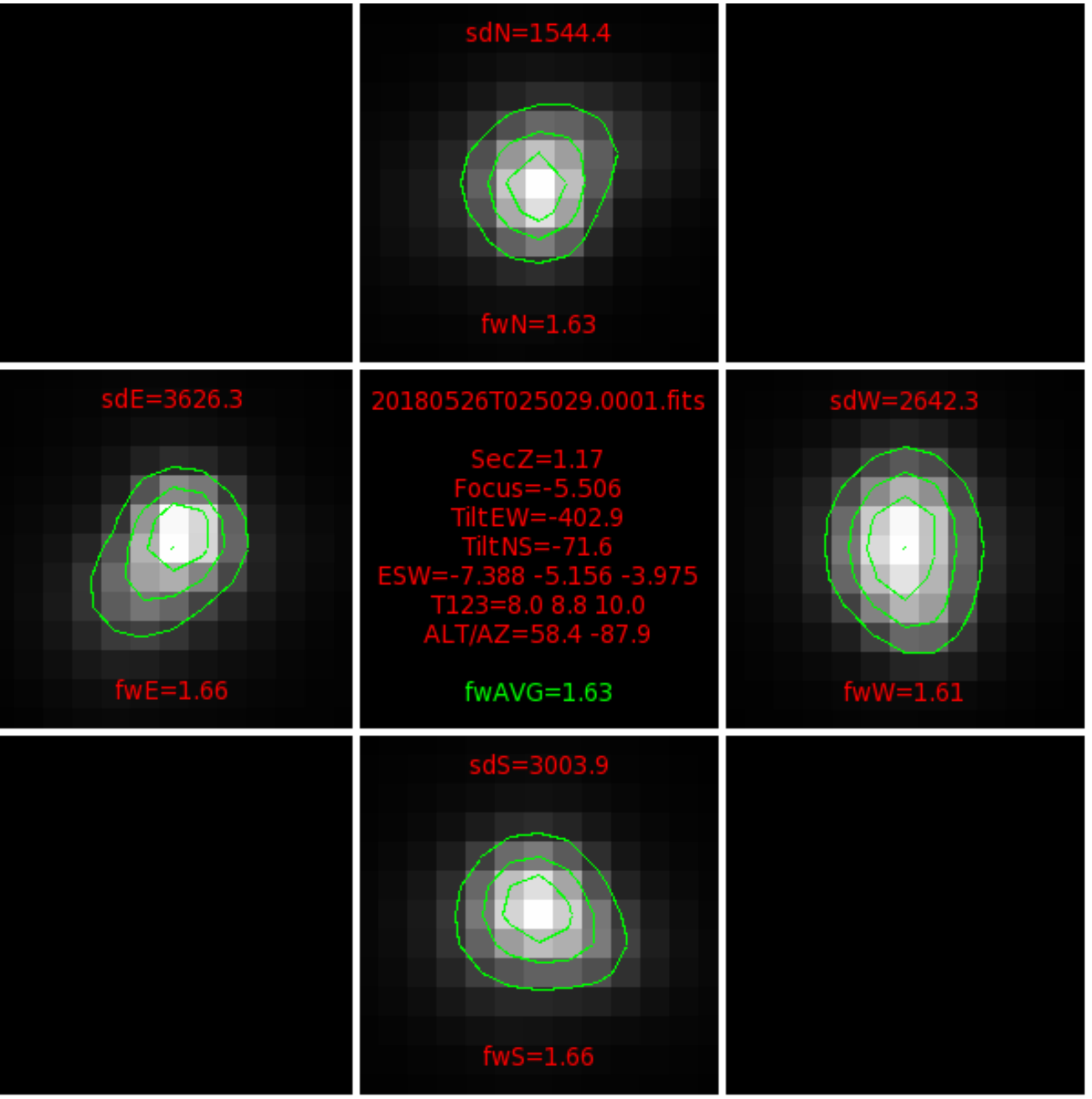
sdN=1544.4
fwN=1.63
sdE=3626.3
fwE=1.66
20180526T025029.0001.fits
SecZ=1.17
Focus=-5.506
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.388 -5.156 -3.975
T123=8.0 8.8 10.0
ALT/AZ=58.4 -87.9
fwAVG=1.63
sdW=2642.3
fwW=1.61
sdS=3003.9
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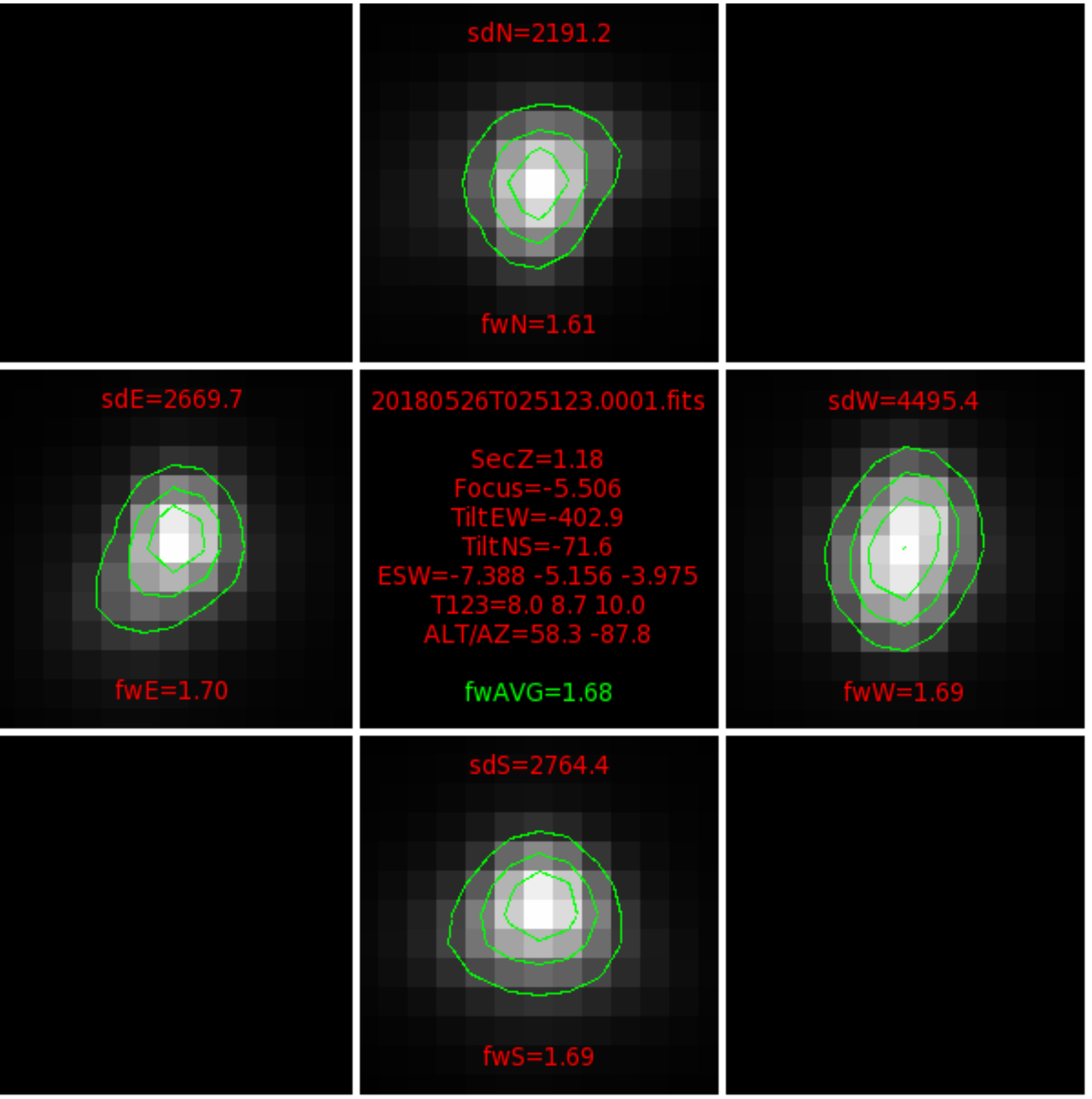
sdN=2191.2
fwN=1.61
sdE=2669.7
fwE=1.70
20180526T025123.0001.fits
SecZ=1.18
Focus=-5.506
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.388 -5.156 -3.975
T123=8.0 8.7 10.0
ALT/AZ=58.3 -87.8
fwAVG=1.68
sdW=4495.4
fwW=1.69
sdS=2764.4
fwS=1.69
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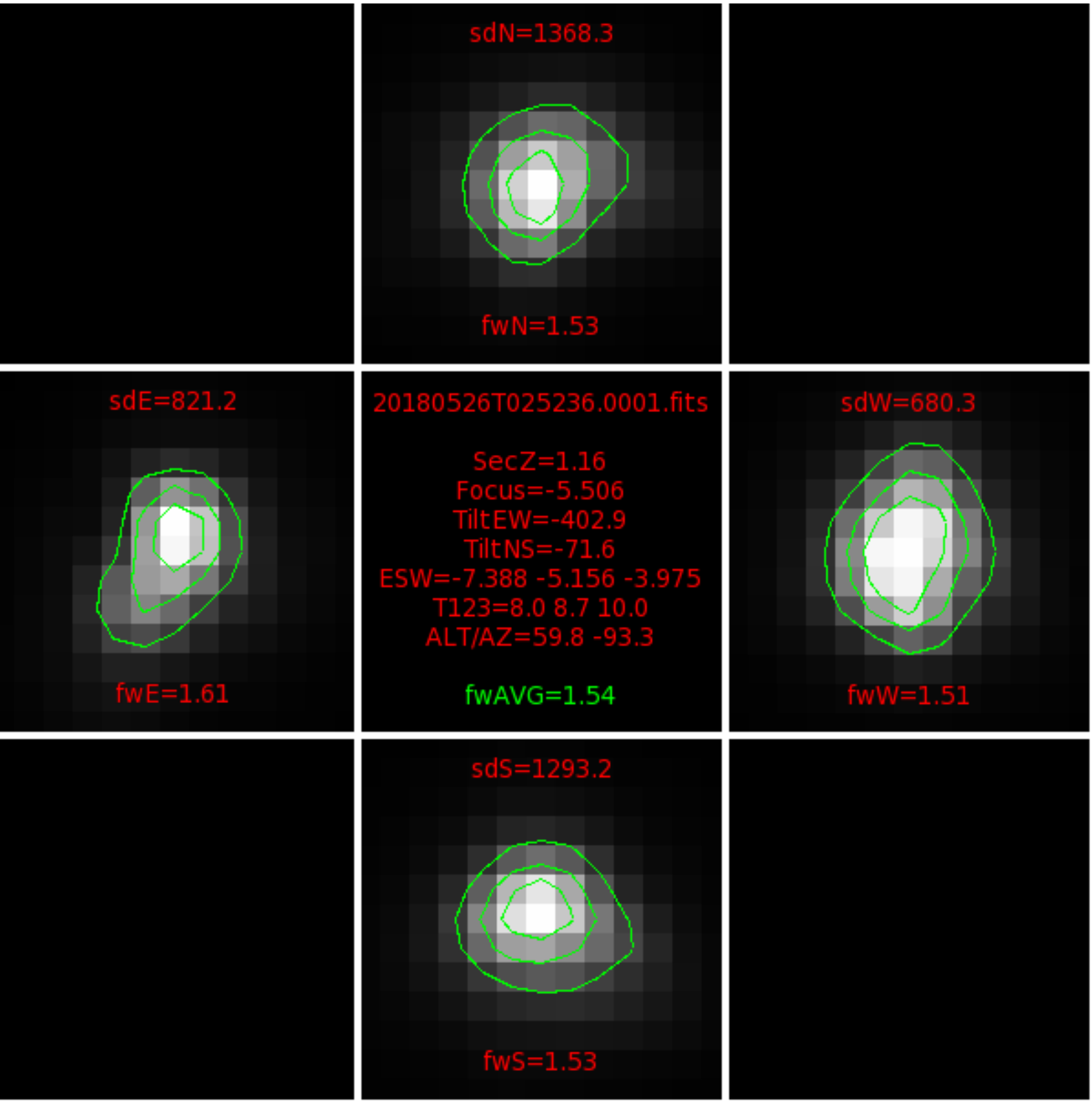
sdN=1368.3
fwN=1.53
sdE=821.2
fwE=1.61
20180526T025236.0001.fits
SecZ=1.16
Focus=-5.506
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.388 -5.156 -3.975
T123=8.0 8.7 10.0
ALT/AZ=59.8 -93.3
fwAVG=1.54
sdW=680.3
fwW=1.51
sdS=1293.2
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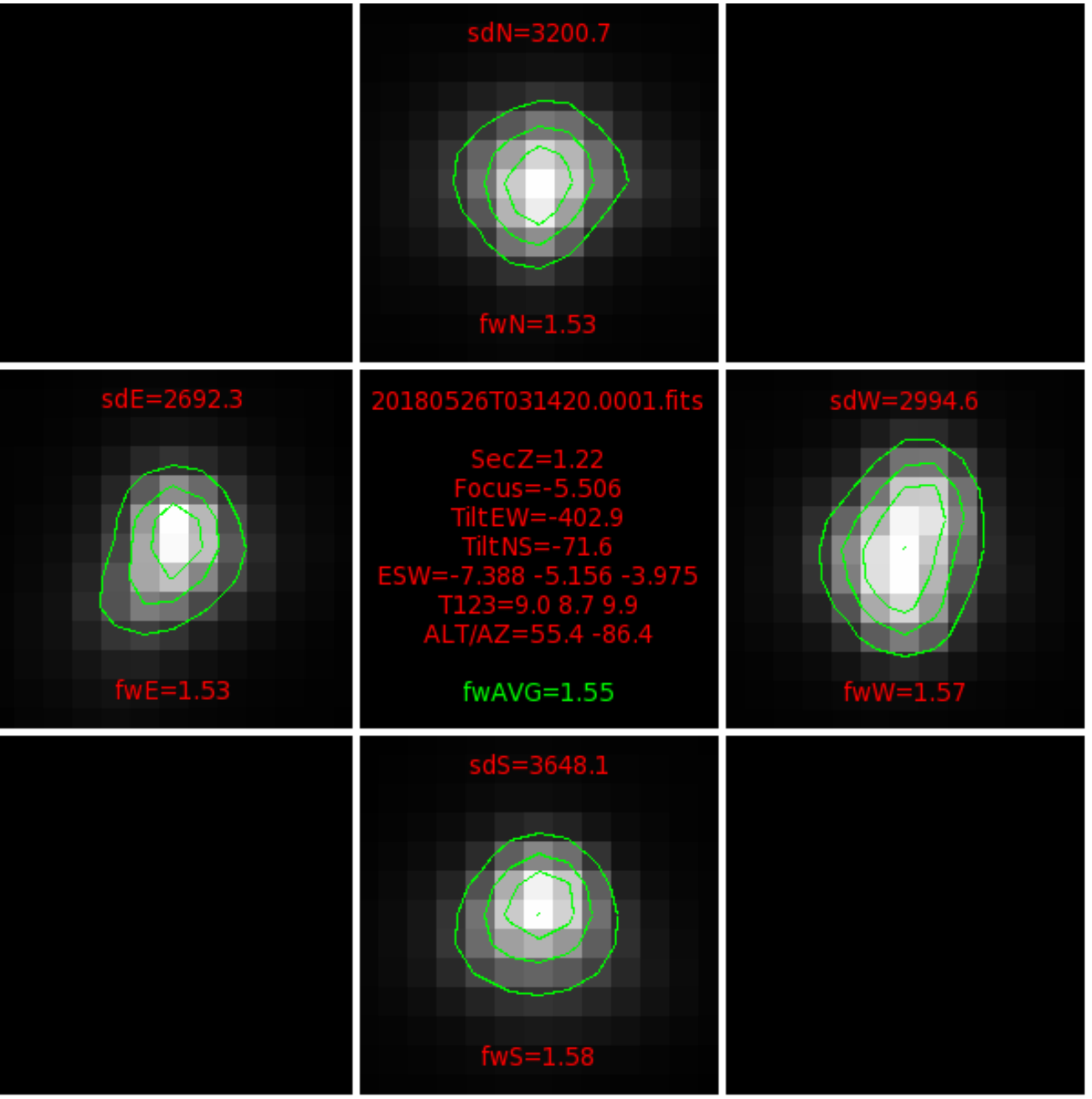
sdN=3200.7
fwN=1.53
sdE=2692.3
fwE=1.53
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SecZ=1.22
Focus=-5.506
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.388 -5.156 -3.975
T123=9.0 8.7 9.9
ALT/AZ=55.4 -86.4
fwAVG=1.55
sdW=2994.6
fwW=1.57
sdS=3648.1
fwS=1.58
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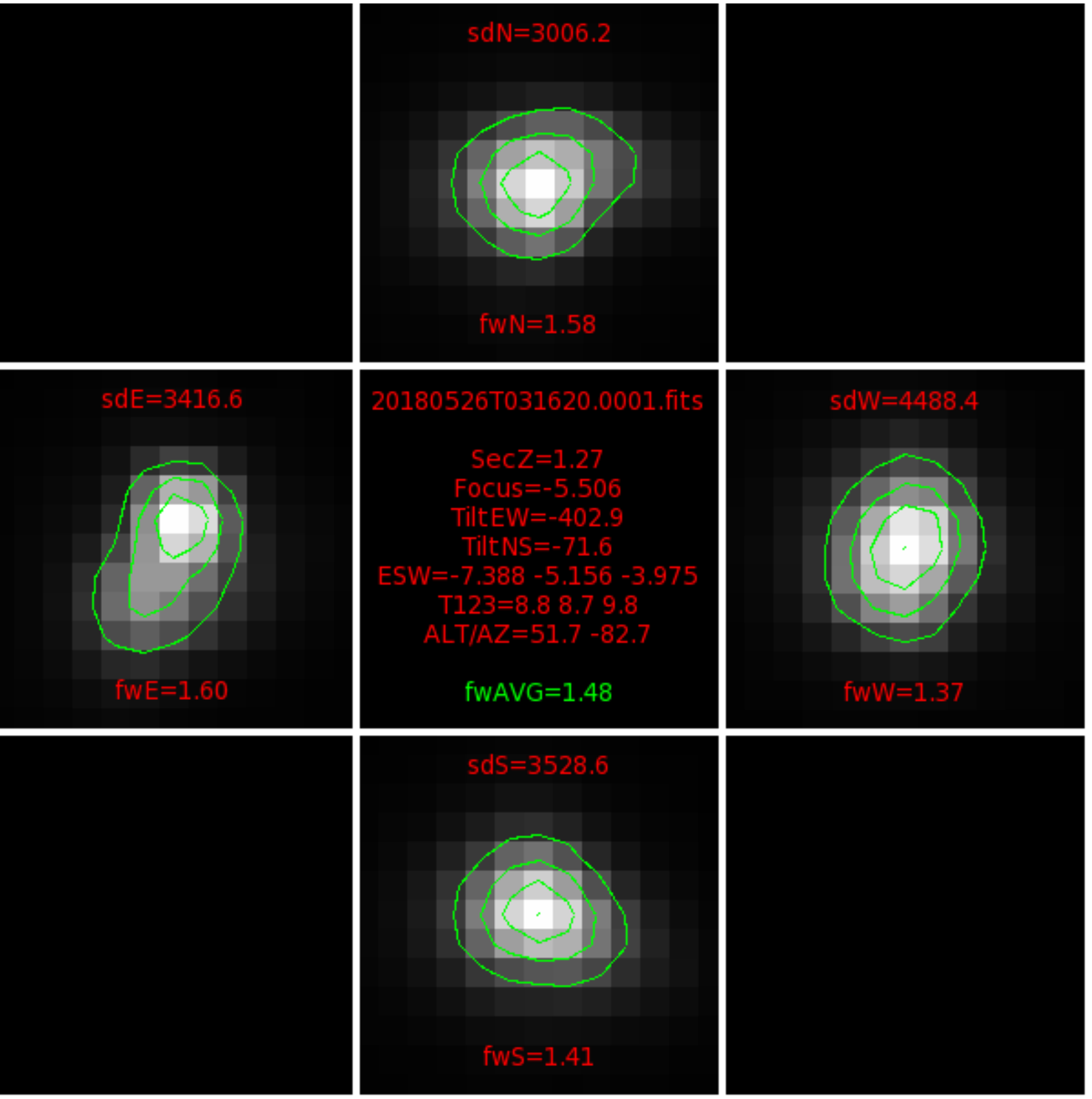
sdN=3006.2
fwN=1.58
sdE=3416.6
fwE=1.60
20180526T031620.0001.fits
SecZ=1.27
Focus=-5.506
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.388 -5.156 -3.975
T123=8.8 8.7 9.8
ALT/AZ=51.7 -82.7
fwAVG=1.48
sdW=4488.4
fwW=1.37
sdS=3528.6
fwS=1.41
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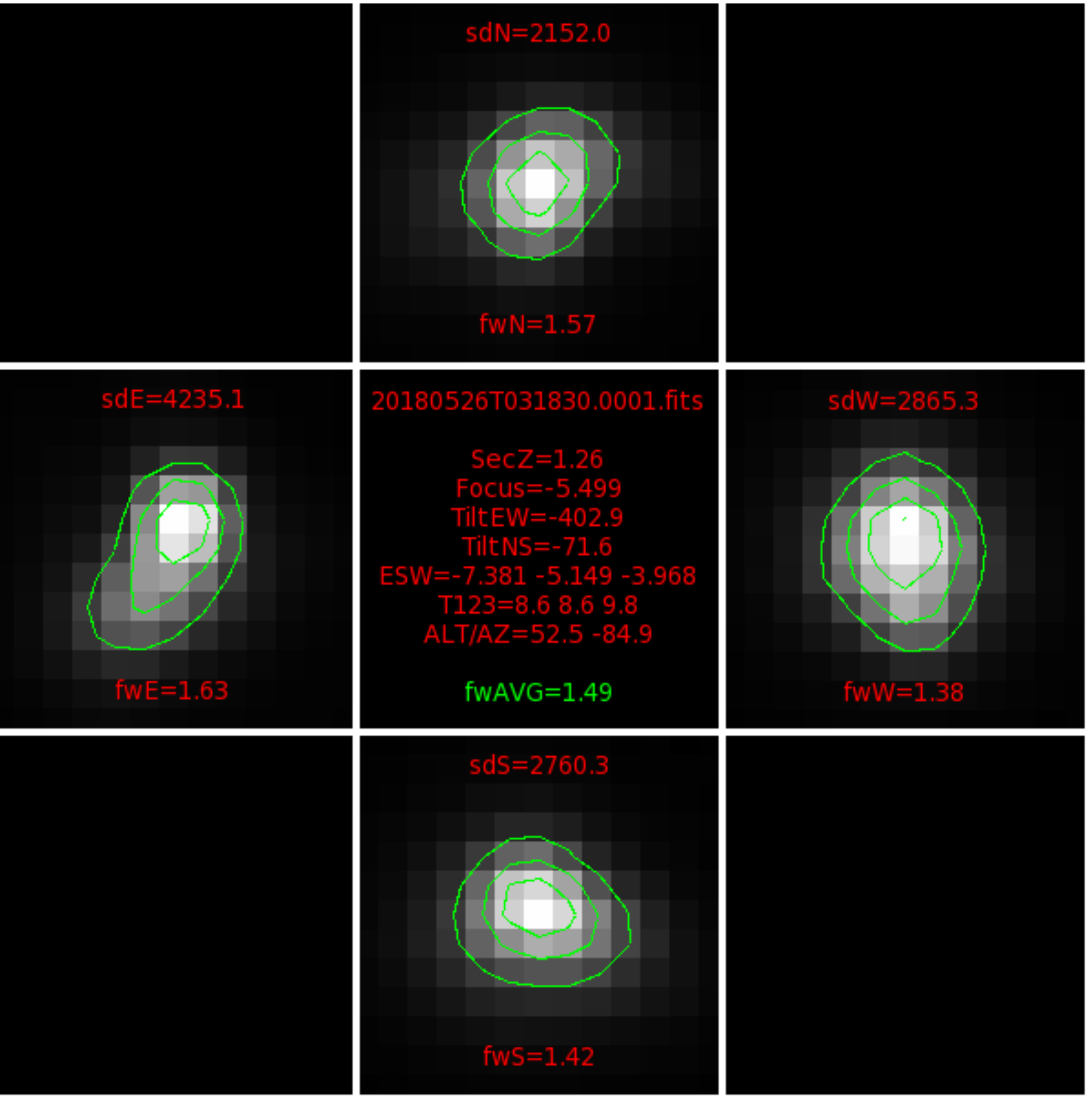
sdN=2152.0
fwN=1.57
sdE=4235.1
fwE=1.63
20180526T031830.0001.fits
SecZ=1.26
Focus=-5.499
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.381 -5.149 -3.968
T123=8.6 8.6 9.8
ALT/AZ=52.5 -84.9
fwAVG=1.49
sdW=2865.3
fwW=1.38
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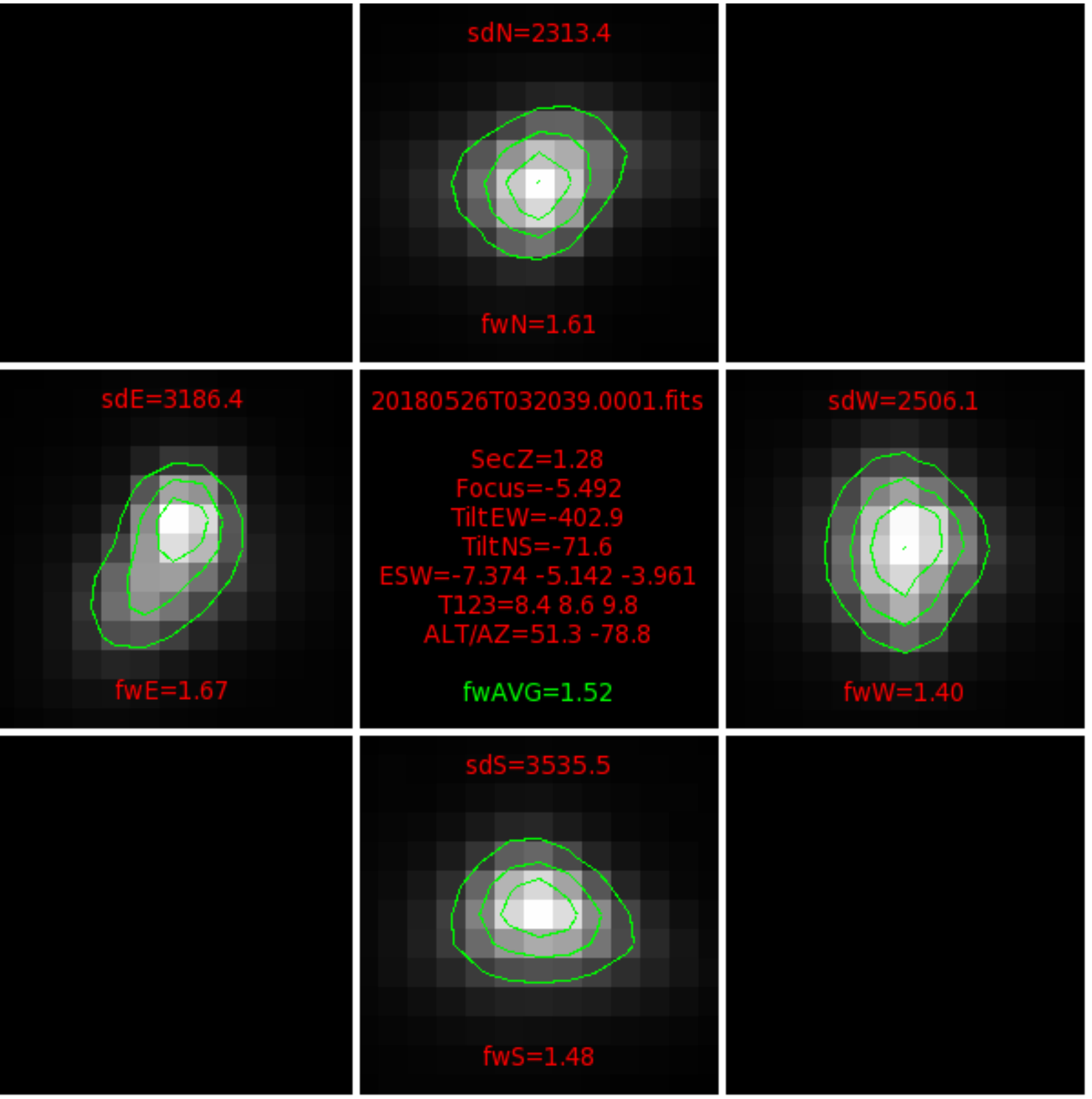
sdN=2313.4
fwN=1.61
sdE=3186.4
fwE=1.67
20180526T032039.0001.fits
SecZ=1.28
Focus=-5.492
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.374 -5.142 -3.961
T123=8.4 8.6 9.8
ALT/AZ=51.3 -78.8
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sdW=2506.1
fwW=1.40
sdS=3535.5
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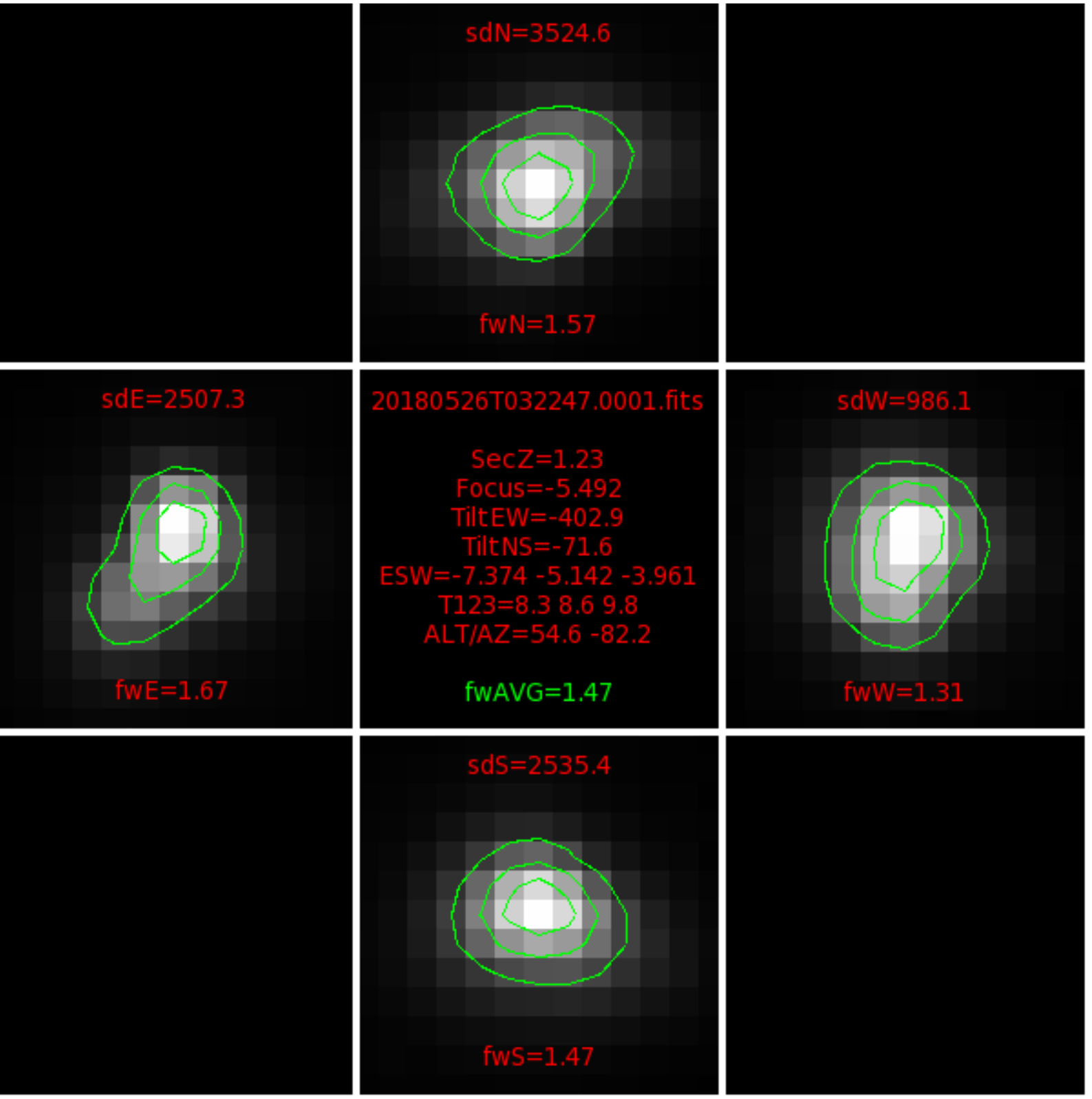
sdN=3524.6
fwN=1.57
sdE=2507.3
fwE=1.67
20180526T032247.0001.fits
SecZ=1.23
Focus=-5.492
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.374 -5.142 -3.961
T123=8.3 8.6 9.8
ALT/AZ=54.6 -82.2
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sdW=986.1
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sdS=2535.4
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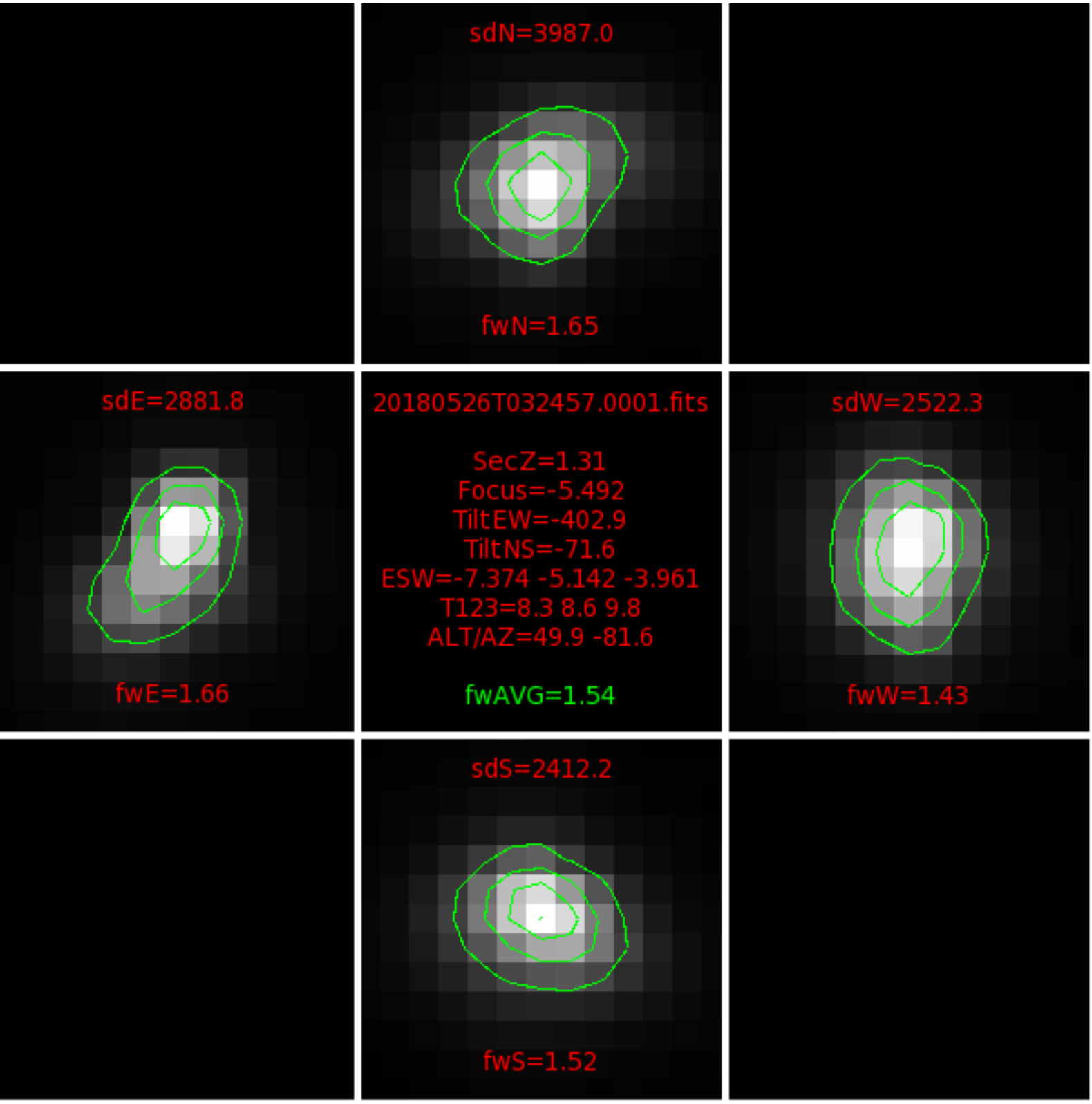
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fwN=1.65
sdE=2881.8
fwE=1.66
20180526T032457.0001.fits
SecZ=1.31
Focus=-5.492
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.374 -5.142 -3.961
T123=8.3 8.6 9.8
ALT/AZ=49.9 -81.6
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sdW=2522.3
fwW=1.43
sdS=2412.2
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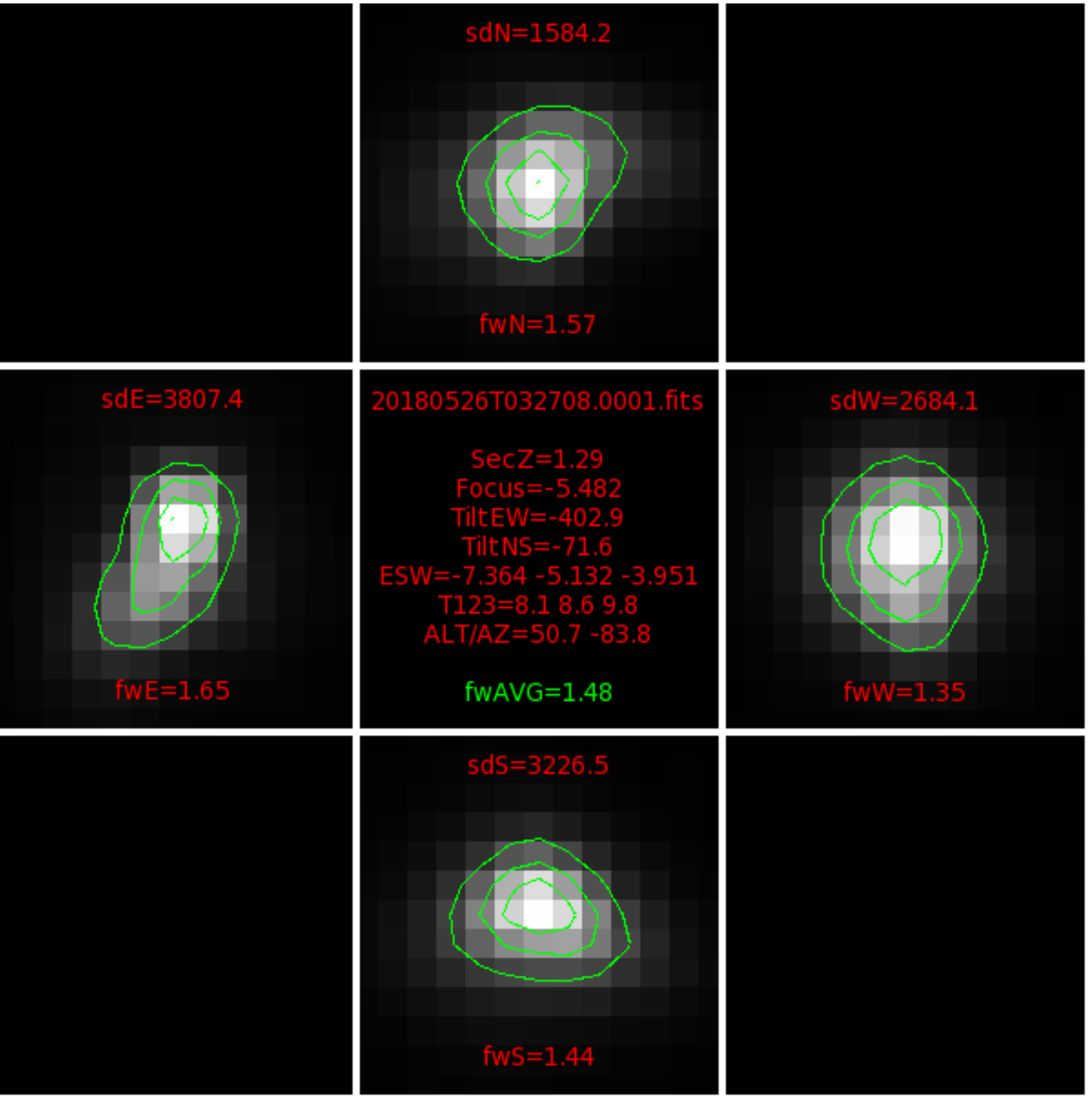
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fwN=1.57
sdE=3807.4
fwE=1.65
20180526T032708.0001.fits
SecZ=1.29
Focus=-5.482
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.364 -5.132 -3.951
T123=8.1 8.6 9.8
ALT/AZ=50.7 -83.8
fwAVG=1.48
sdW=2684.1
fwW=1.35
sdS=3226.5
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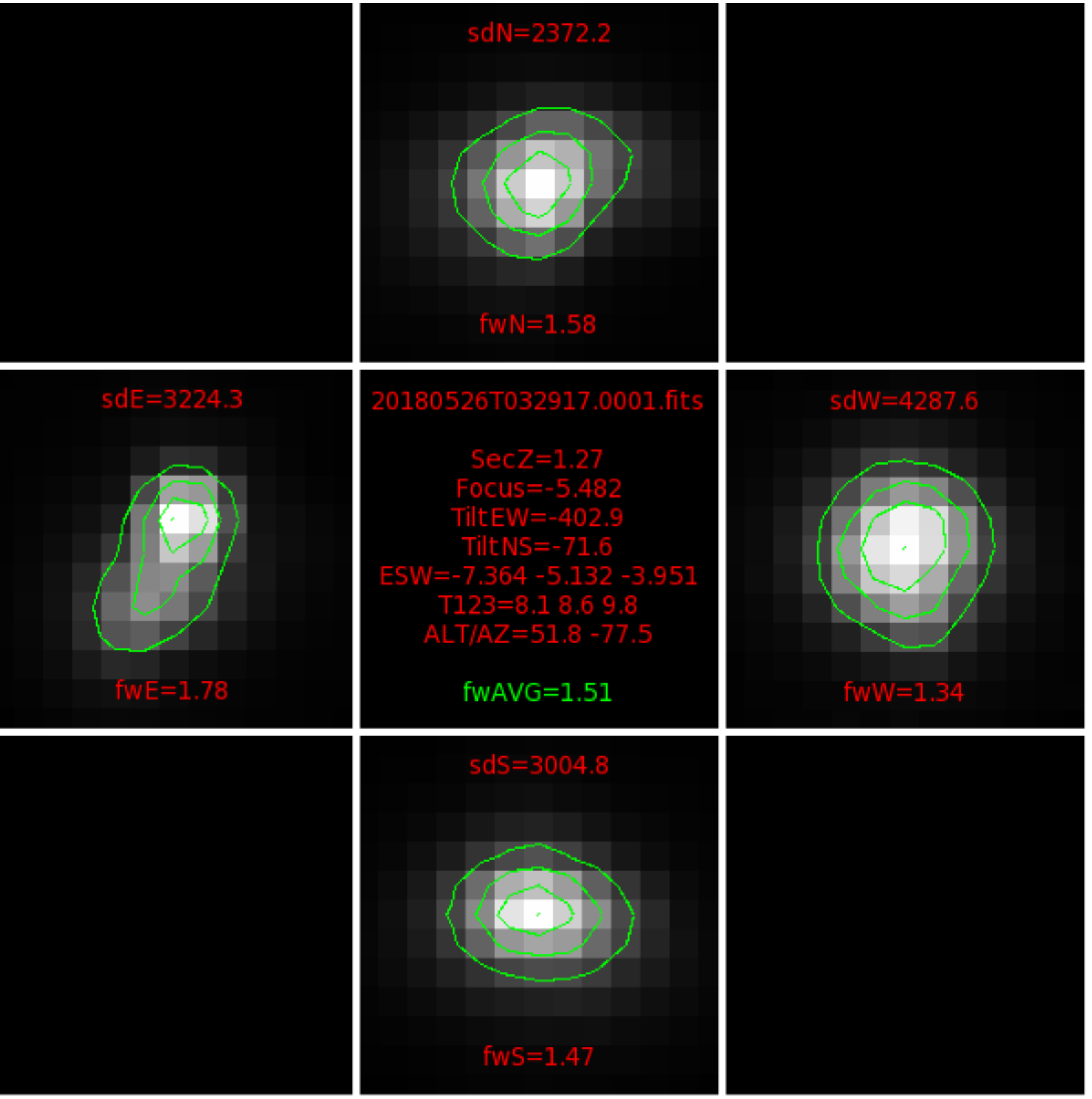
sdN=2372.2
fwN=1.58
sdE=3224.3
fwE=1.78
20180526T032917.0001.fits
SecZ=1.27
Focus=-5.482
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.364 -5.132 -3.951
T123=8.1 8.6 9.8
ALT/AZ=51.8 -77.5
fwAVG=1.51
sdW=4287.6
fwW=1.34
sdS=3004.8
fwS=1.47
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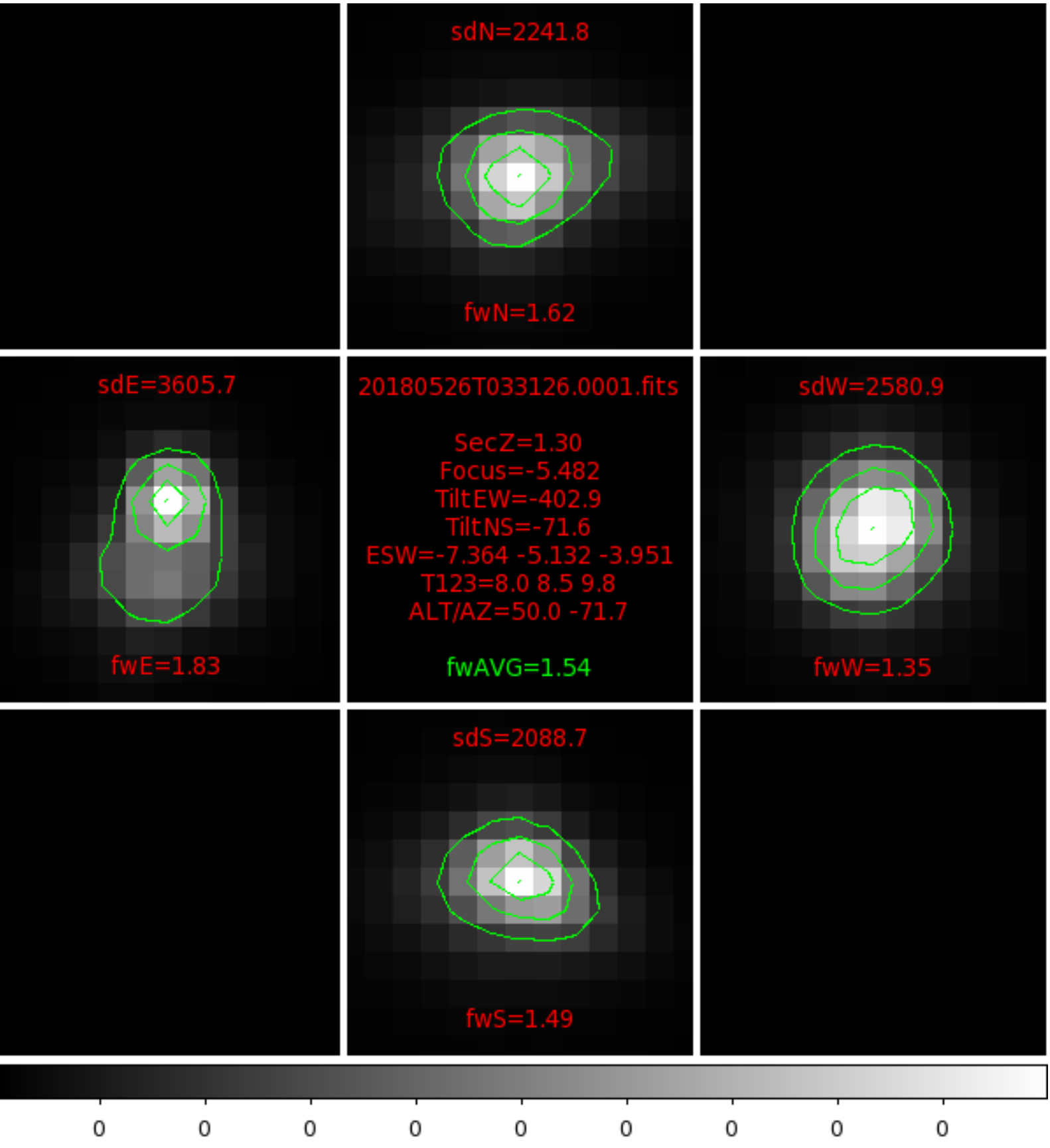
sdN=2241.8
fwN=1.62
sdE=3605.7
fwE=1.83
20180526T033126.0001.fits
SecZ=1.30
Focus=-5.482
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.364 -5.132 -3.951
T123=8.0 8.5 9.8
ALT/AZ=50.0 -71.7
fwAVG=1.54
sdW=2580.9
fwW=1.35
sdS=2088.7
fwS=1.49
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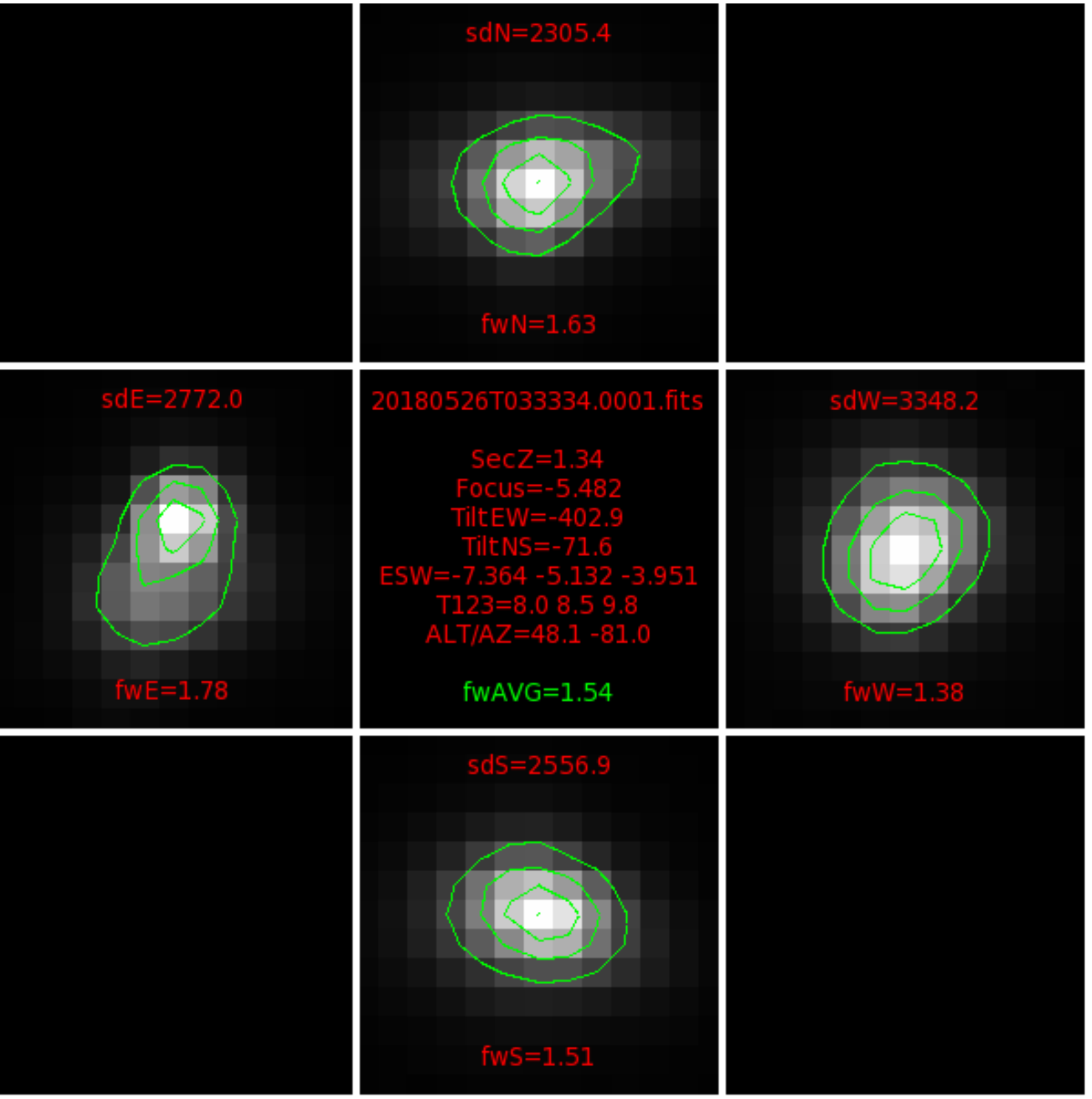
sdN=2305.4
fwN=1.63
sdE=2772.0
fwE=1.78
20180526T033334.0001.fits
SecZ=1.34
Focus=-5.482
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.364 -5.132 -3.951
T123=8.0 8.5 9.8
ALT/AZ=48.1 -81.0
fwAVG=1.54
sdW=3348.2
fwW=1.38
sdS=2556.9
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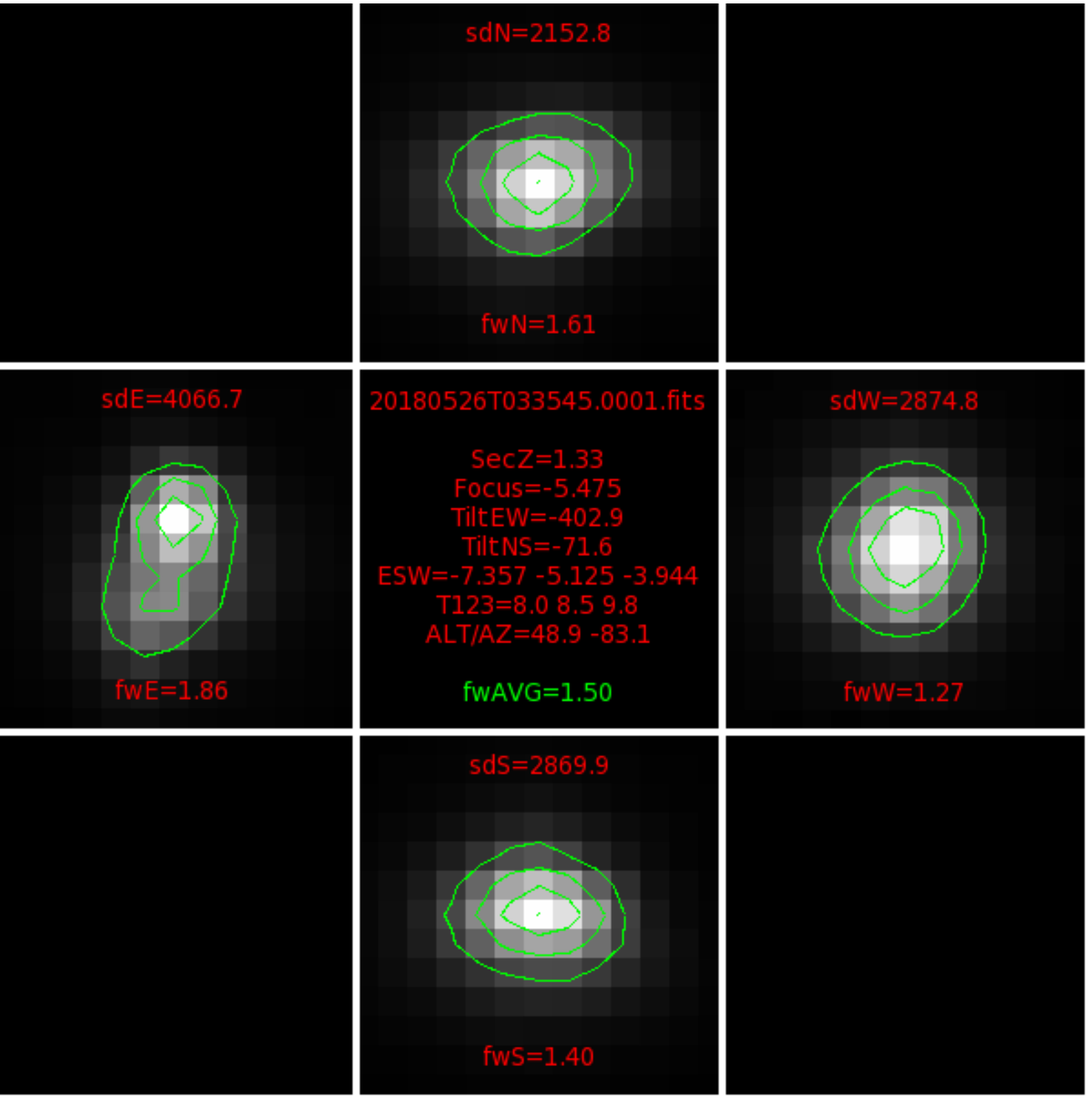
sdN=2152.8
fwN=1.61
sdE=4066.7
fwE=1.86
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SecZ=1.33
Focus=-5.475
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.357 -5.125 -3.944
T123=8.0 8.5 9.8
ALT/AZ=48.9 -83.1
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sdW=2874.8
fwW=1.27
sdS=2869.9
fwS=1.40
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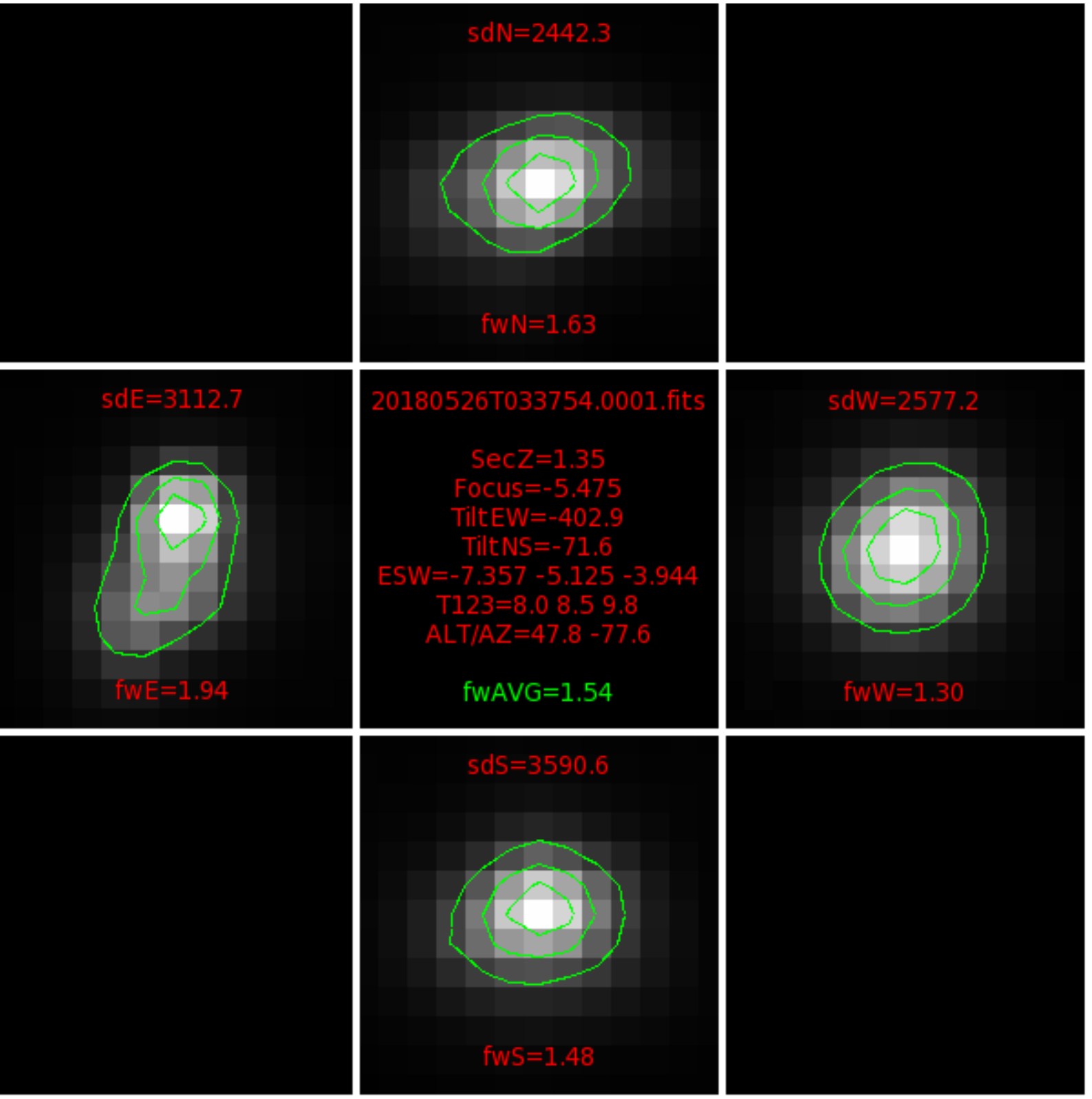
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fwN=1.63
sdE=3112.7
fwE=1.94
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SecZ=1.35
Focus=-5.475
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.357 -5.125 -3.944
T123=8.0 8.5 9.8
ALT/AZ=47.8 -77.6
fwAVG=1.54
sdW=2577.2
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sdS=3590.6
fwS=1.48
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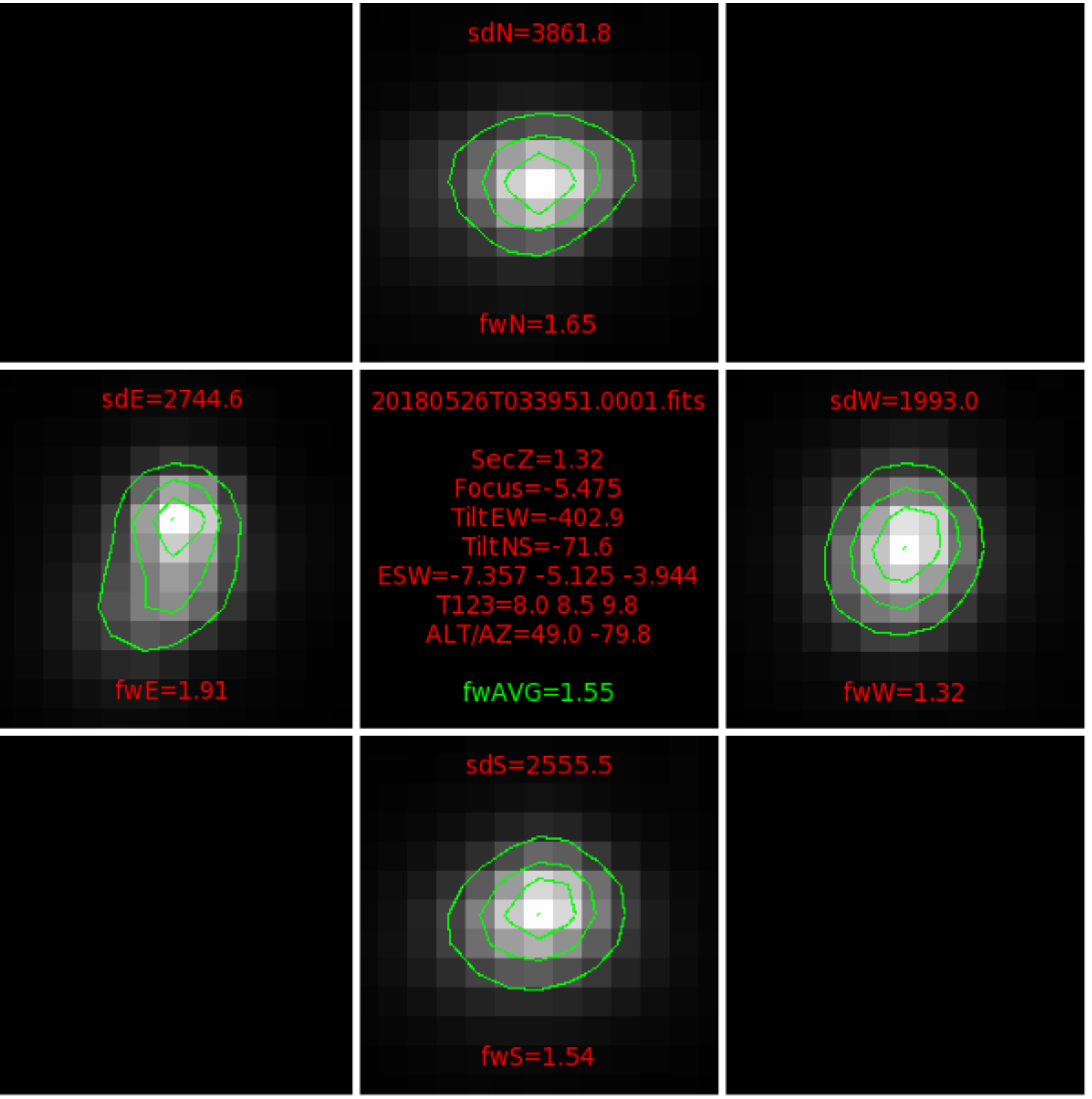
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fwN=1.65
sdE=2744.6
fwE=1.91
20180526T033951.0001.fits
SecZ=1.32
Focus=-5.475
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.357 -5.125 -3.944
T123=8.0 8.5 9.8
ALT/AZ=49.0 -79.8
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sdW=1993.0
fwW=1.32
sdS=2555.5
fwS=1.54
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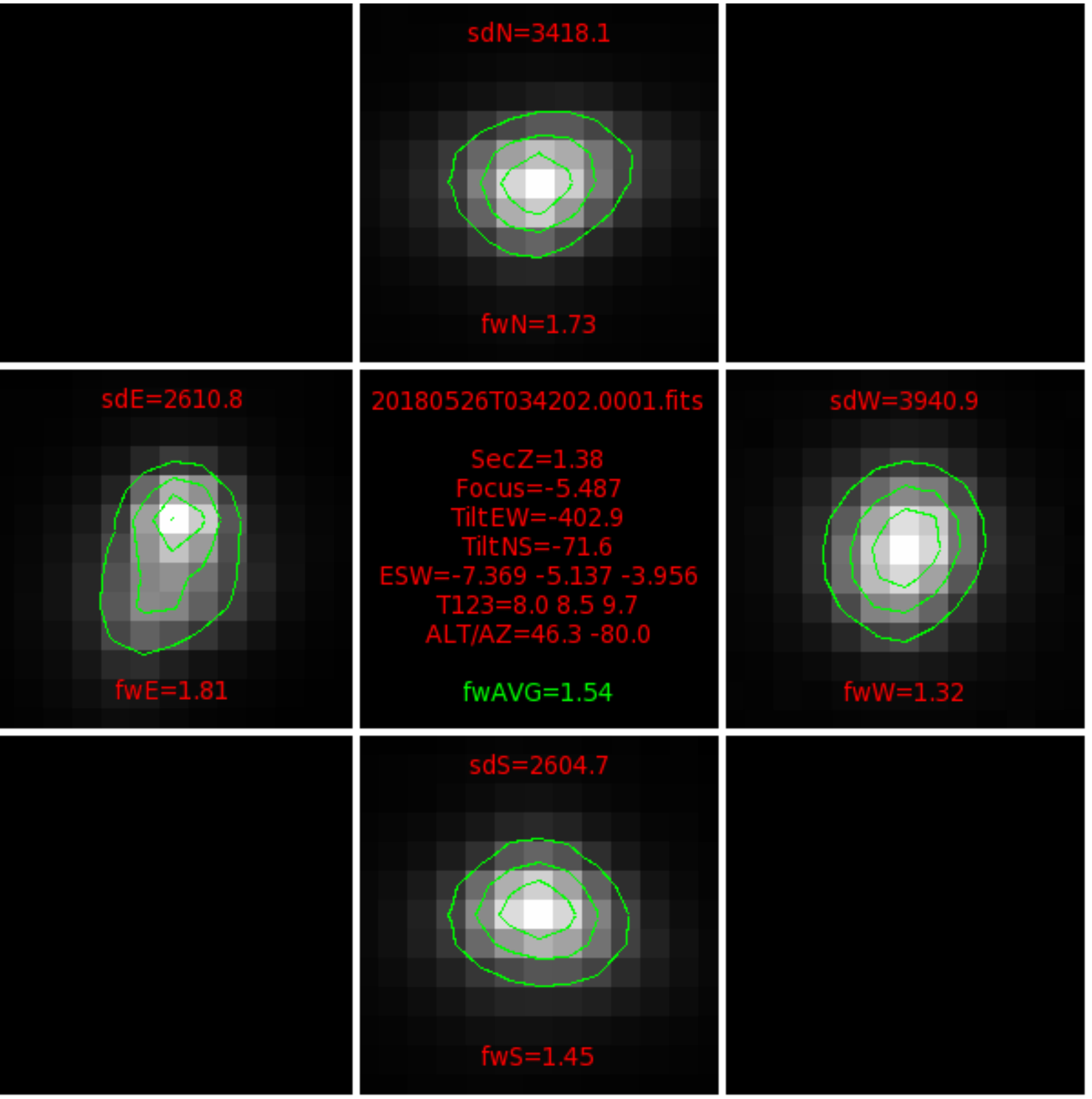
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sdE=2610.8
fwE=1.81
20180526T034202.0001.fits
SecZ=1.38
Focus=-5.487
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.369 -5.137 -3.956
T123=8.0 8.5 9.7
ALT/AZ=46.3 -80.0
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sdW=3940.9
fwW=1.32
sdS=2604.7
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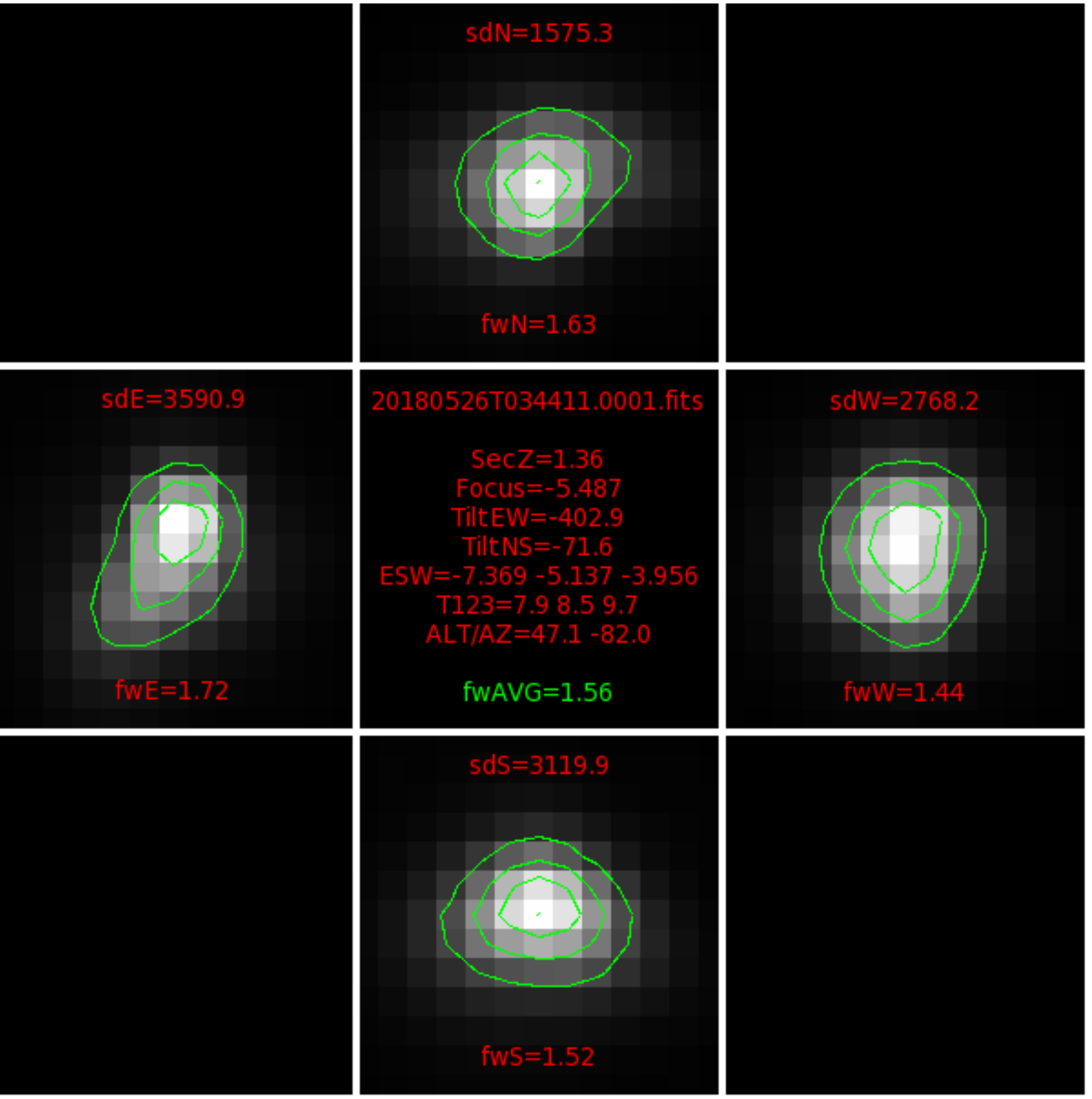
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fwN=1.63
sdE=3590.9
fwE=1.72
20180526T034411.0001.fits
SecZ=1.36
Focus=-5.487
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.369 -5.137 -3.956
T123=7.9 8.5 9.7
ALT/AZ=47.1 -82.0
fwAVG=1.56
sdW=2768.2
fwW=1.44
sdS=3119.9
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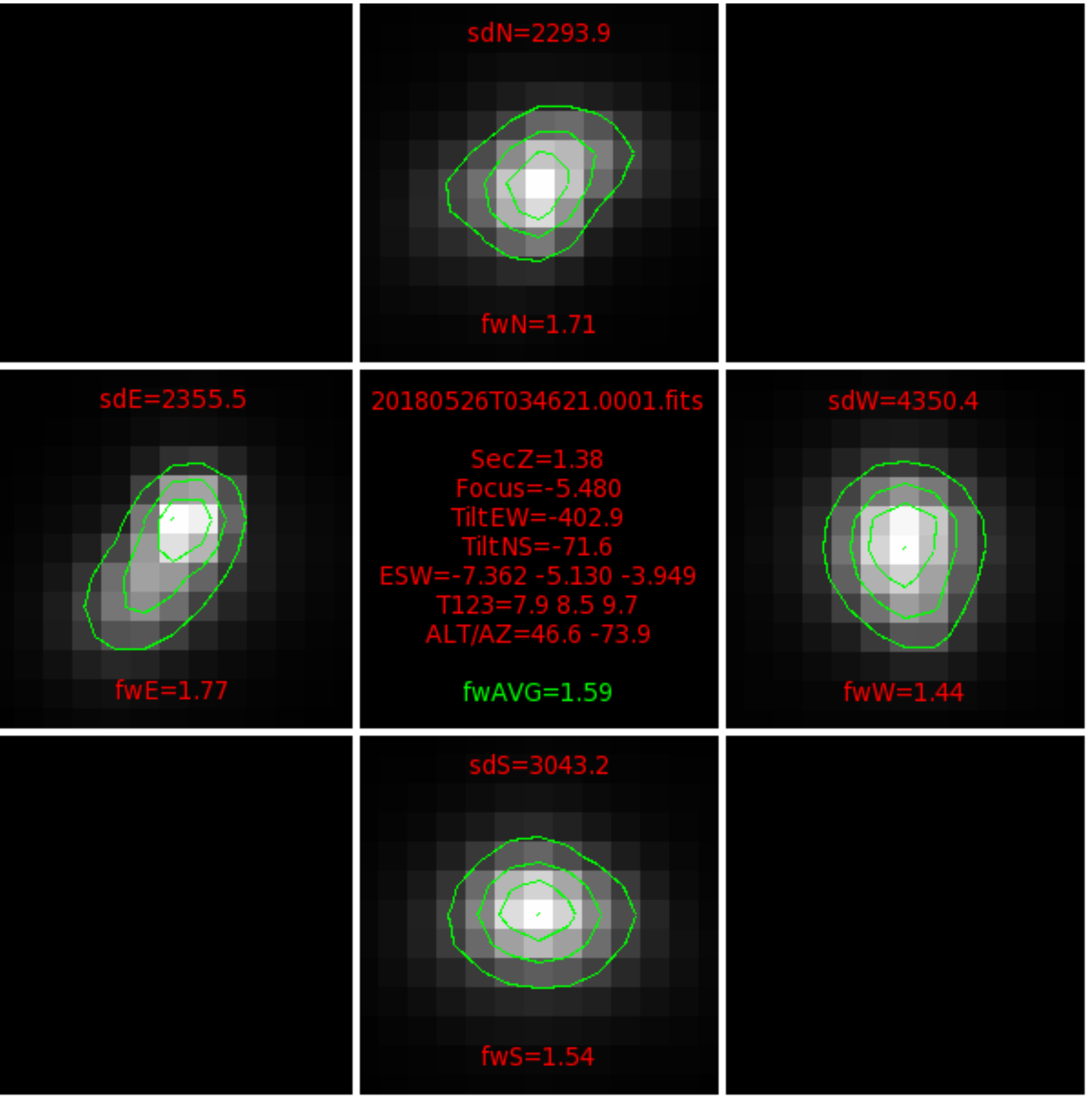
sdN=2293.9
fwN=1.71
sdE=2355.5
fwE=1.77
20180526T034621.0001.fits
SecZ=1.38
Focus=-5.480
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.362 -5.130 -3.949
T123=7.9 8.5 9.7
ALT/AZ=46.6 -73.9
fwAVG=1.59
sdW=4350.4
fwW=1.44
sdS=3043.2
fwS=1.54
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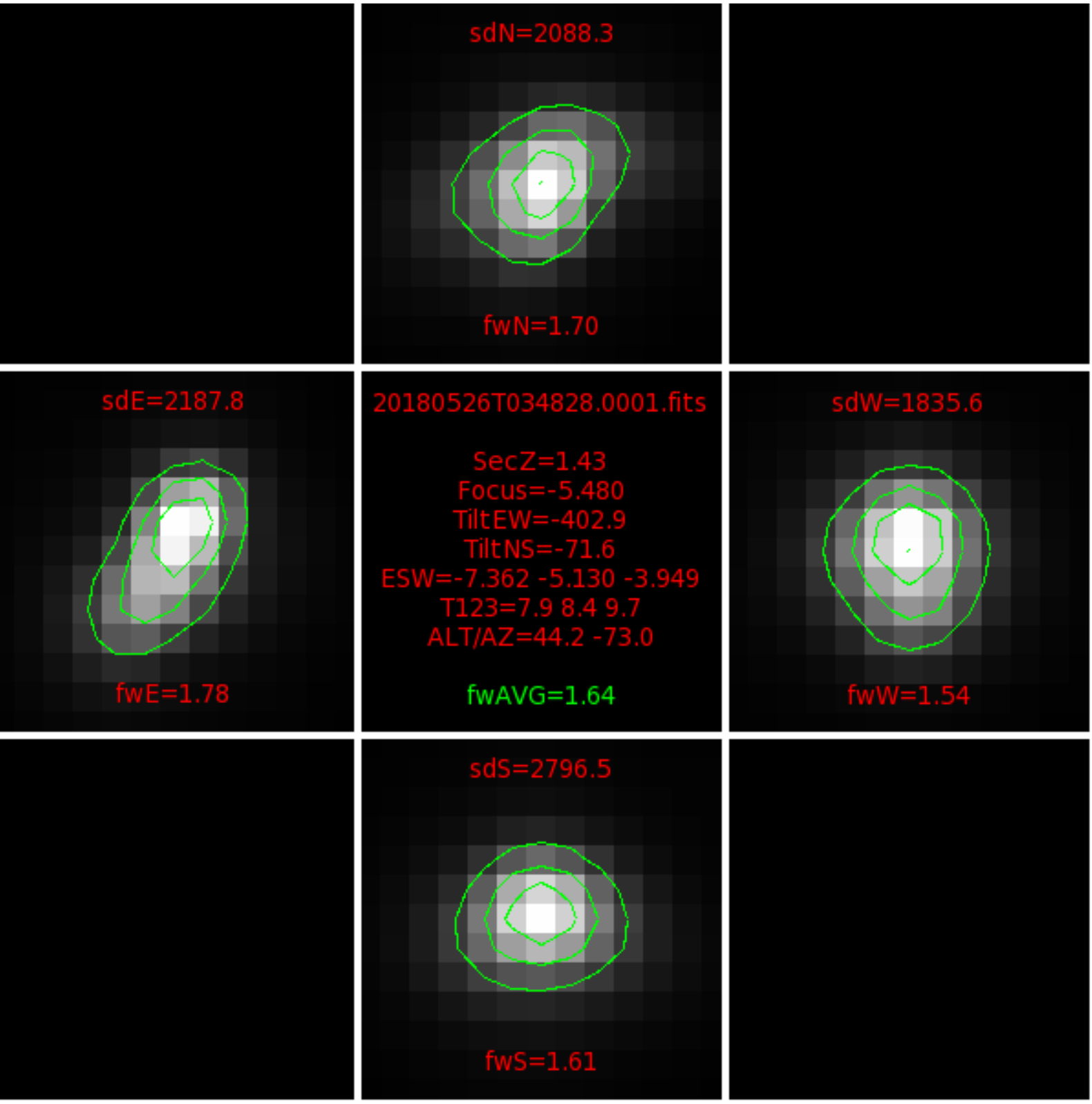
sdN=2088.3
fwN=1.70
sdE=2187.8
fwE=1.78
20180526T034828.0001.fits
SecZ=1.43
Focus=-5.480
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.362 -5.130 -3.949
T123=7.9 8.4 9.7
ALT/AZ=44.2 -73.0
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sdW=1835.6
fwW=1.54
sdS=2796.5
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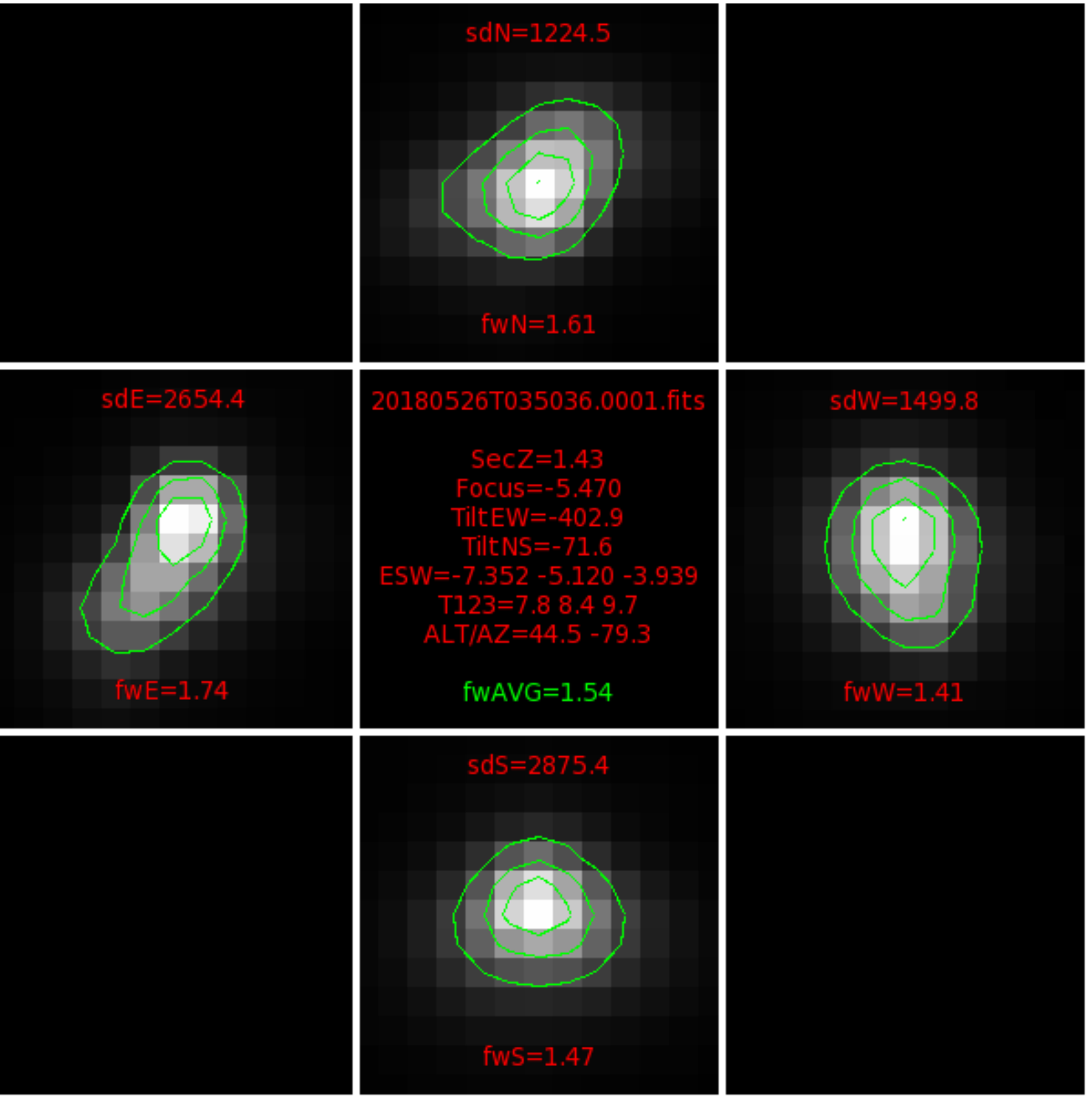
sdN=1224.5
fwN=1.61
sdE=2654.4
fwE=1.74
20180526T035036.0001.fits
SecZ=1.43
Focus=-5.470
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.352 -5.120 -3.939
T123=7.8 8.4 9.7
ALT/AZ=44.5 -79.3
fwAVG=1.54
sdW=1499.8
fwW=1.41
sdS=2875.4
fwS=1.47
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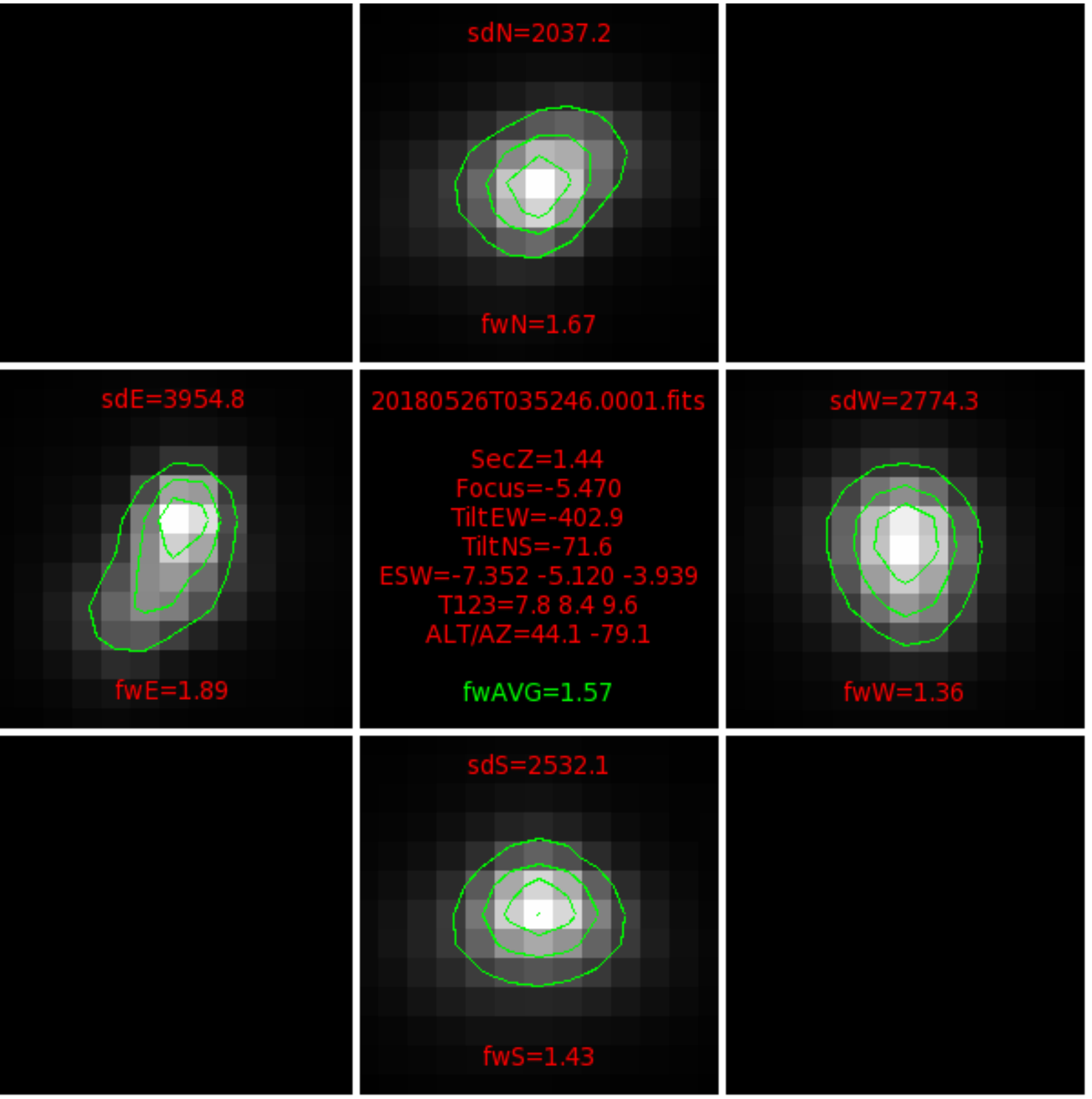
sdN=2037.2
fwN=1.67
sdE=3954.8
fwE=1.89
20180526T035246.0001.fits
SecZ=1.44
Focus=-5.470
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.352 -5.120 -3.939
T123=7.8 8.4 9.6
ALT/AZ=44.1 -79.1
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sdW=2774.3
fwW=1.36
sdS=2532.1
fwS=1.43
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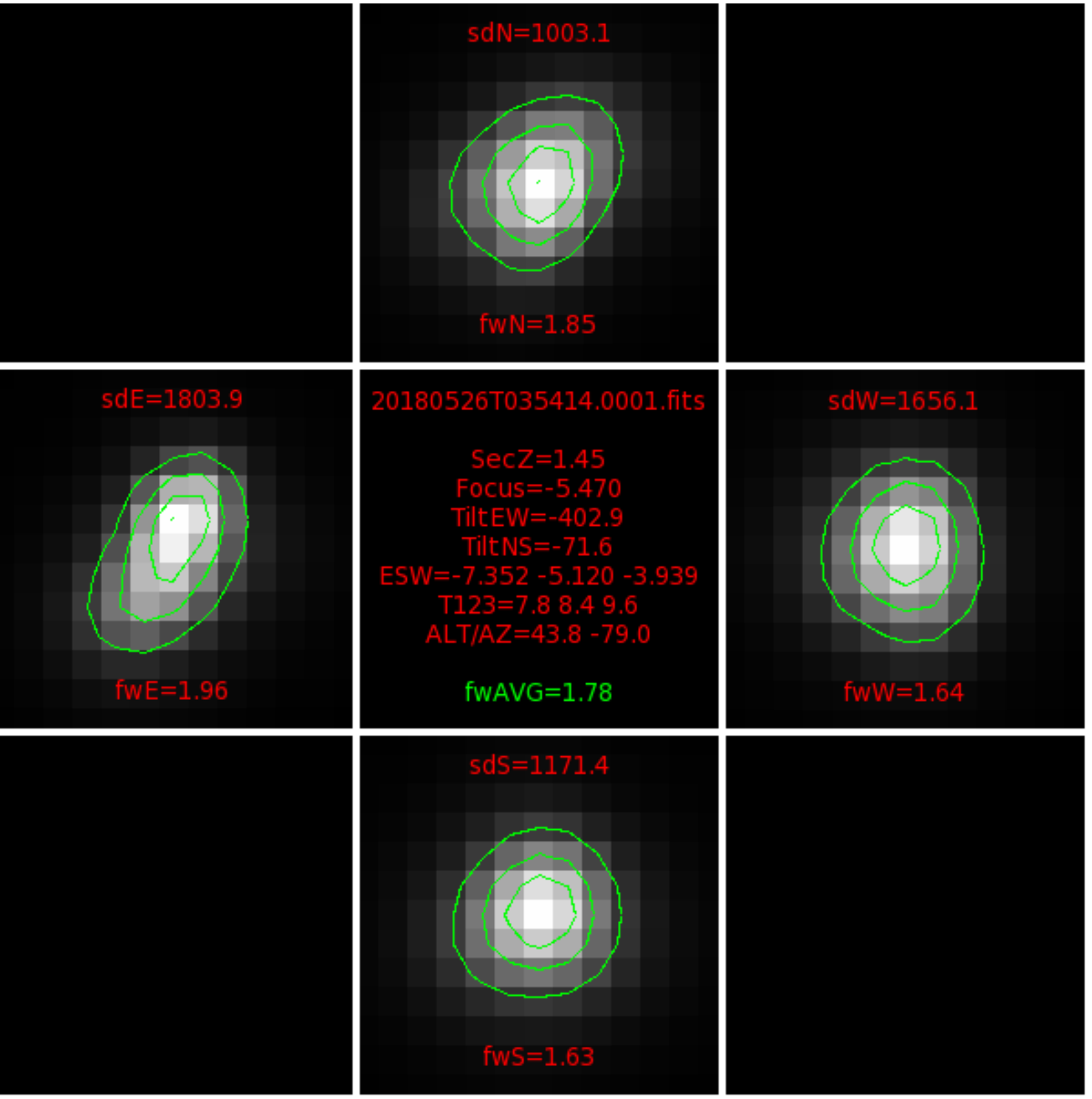
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fwN=1.85
sdE=1803.9
fwE=1.96
20180526T035414.0001.fits
SecZ=1.45
Focus=-5.470
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.352 -5.120 -3.939
T123=7.8 8.4 9.6
ALT/AZ=43.8 -79.0
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sdW=1656.1
fwW=1.64
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fwS=1.63
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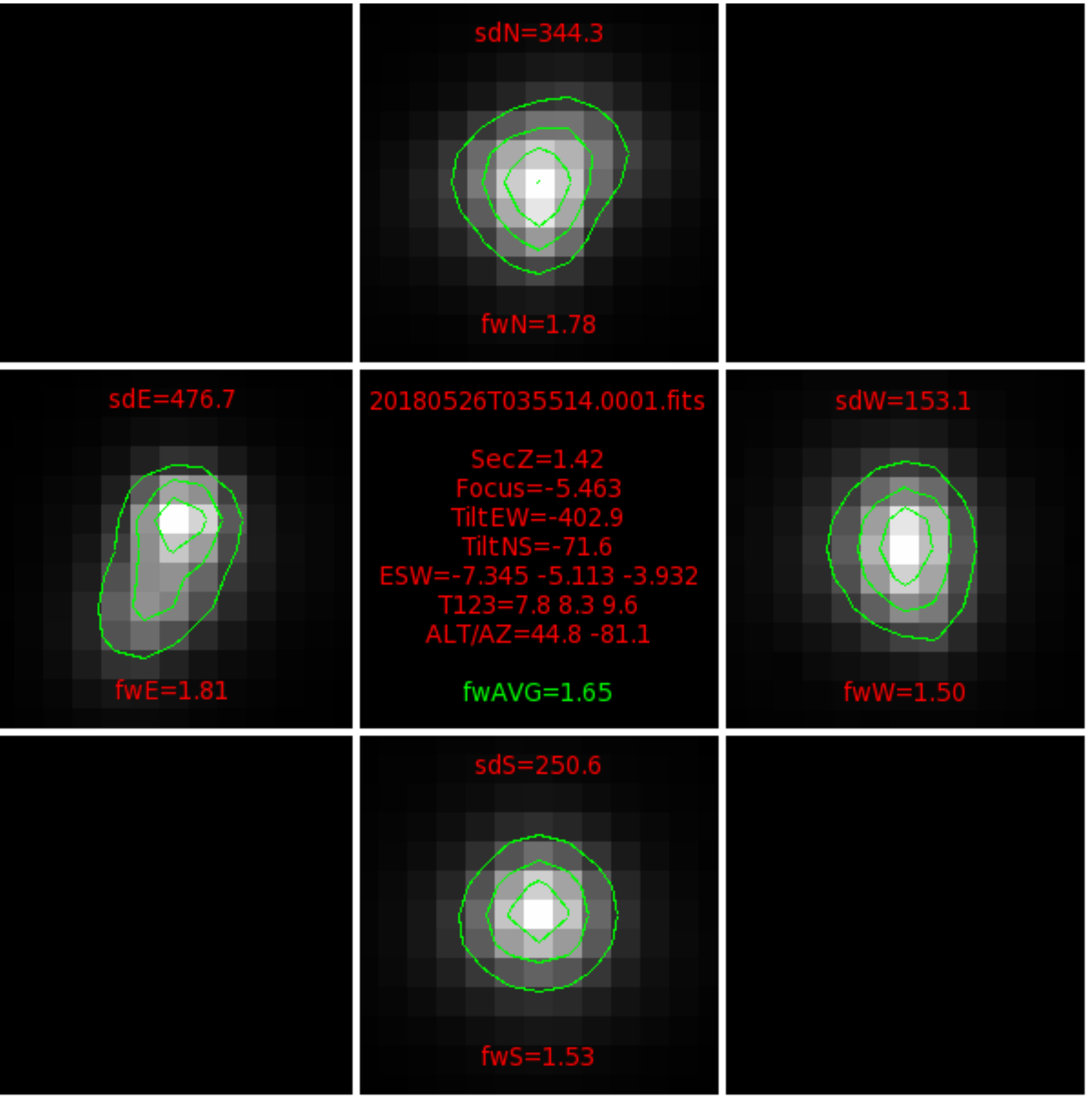
sdN=344.3
fwN=1.78
sdE=476.7
fwE=1.81
20180526T035514.0001.fits
SecZ=1.42
Focus=-5.463
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.345 -5.113 -3.932
T123=7.8 8.3 9.6
ALT/AZ=44.8 -81.1
fwAVG=1.65
sdW=153.1
fwW=1.50
sdS=250.6
fwS=1.53
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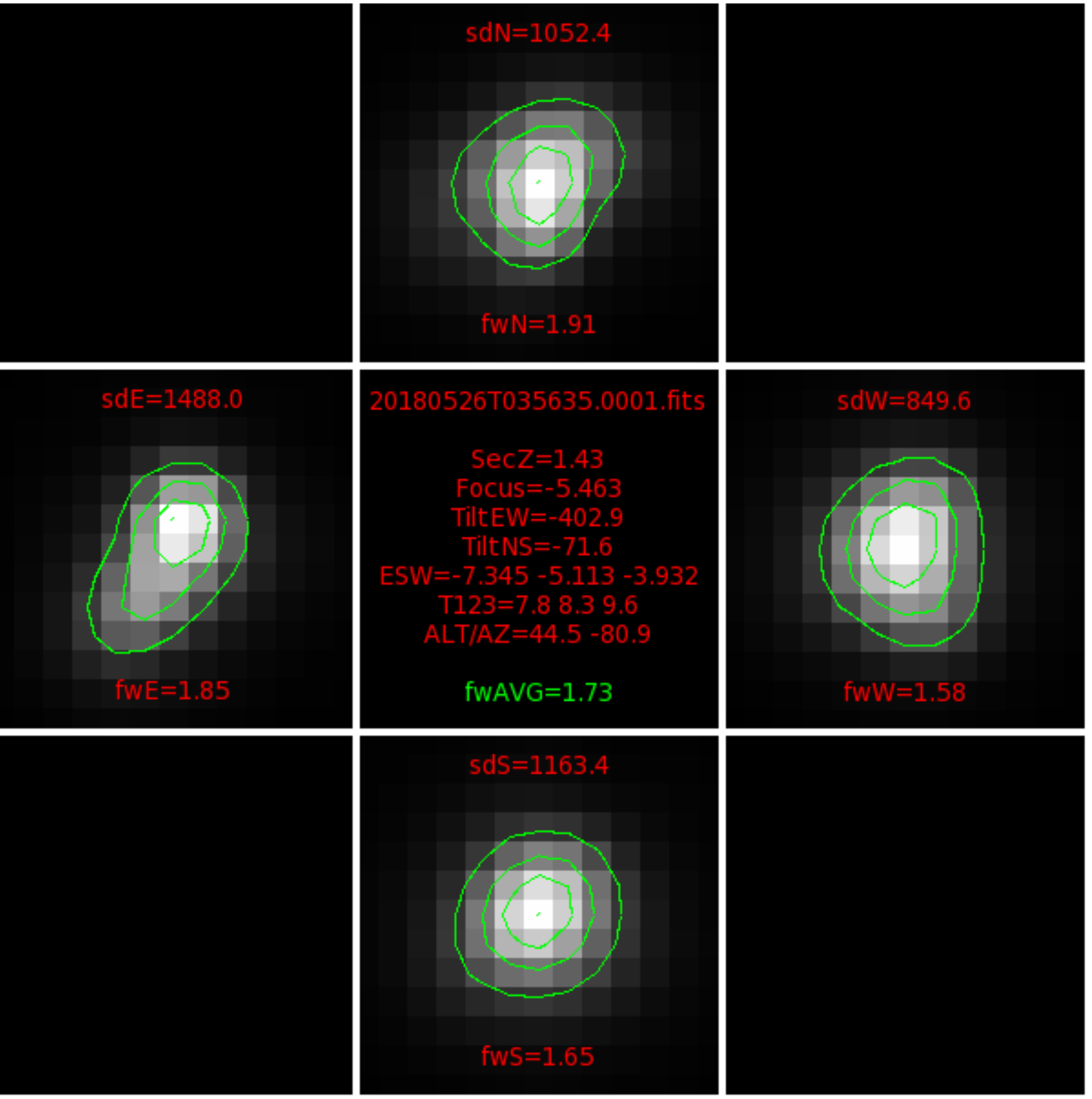
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fwN=1.91
sdE=1488.0
fwE=1.85
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SecZ=1.43
Focus=-5.463
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.345 -5.113 -3.932
T123=7.8 8.3 9.6
ALT/AZ=44.5 -80.9
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sdW=849.6
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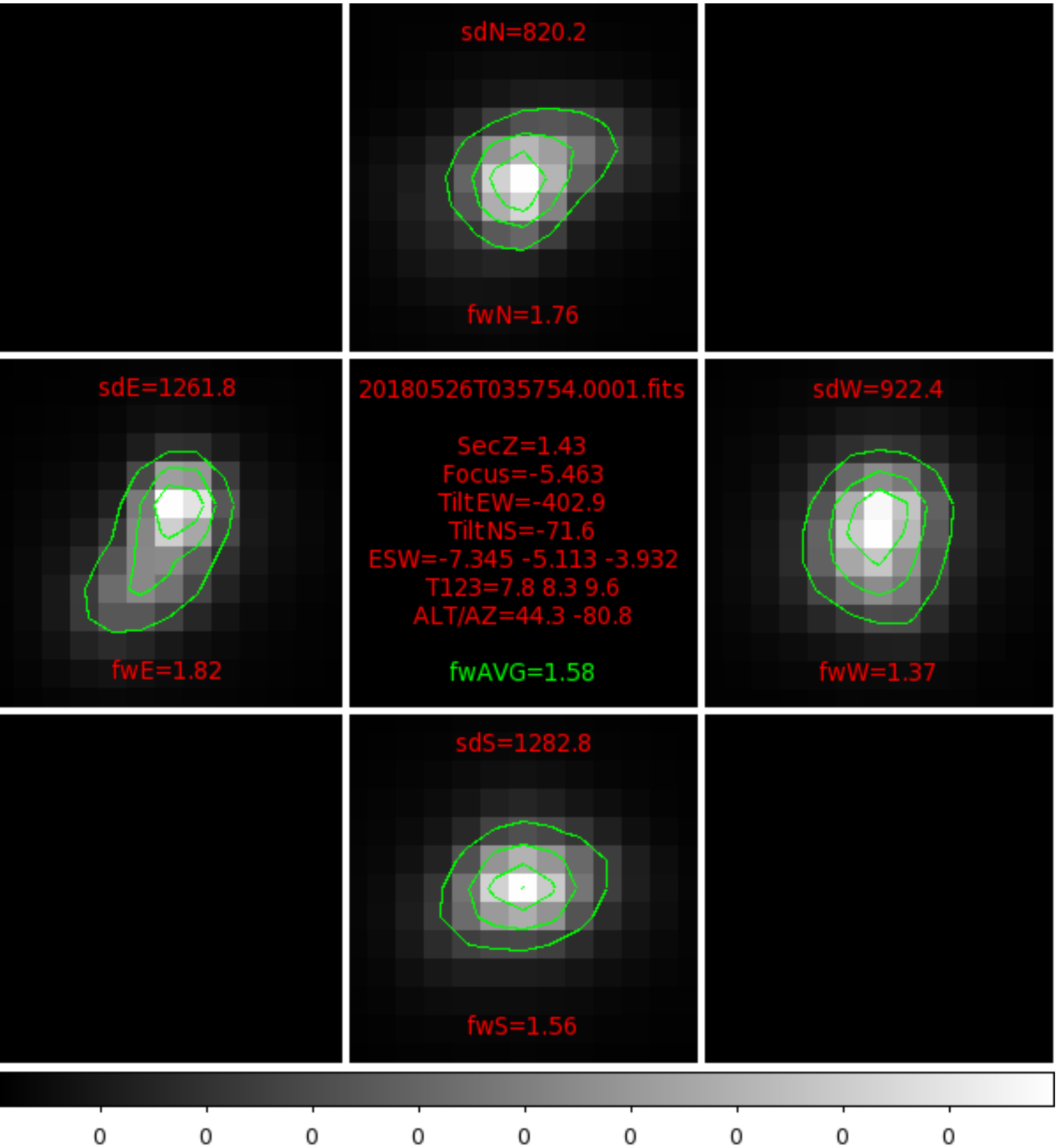
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sdE=1261.8
fwE=1.82
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SecZ=1.43
Focus=-5.463
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.345 -5.113 -3.932
T123=7.8 8.3 9.6
ALT/AZ=44.3 -80.8
fwAVG=1.58
sdW=922.4
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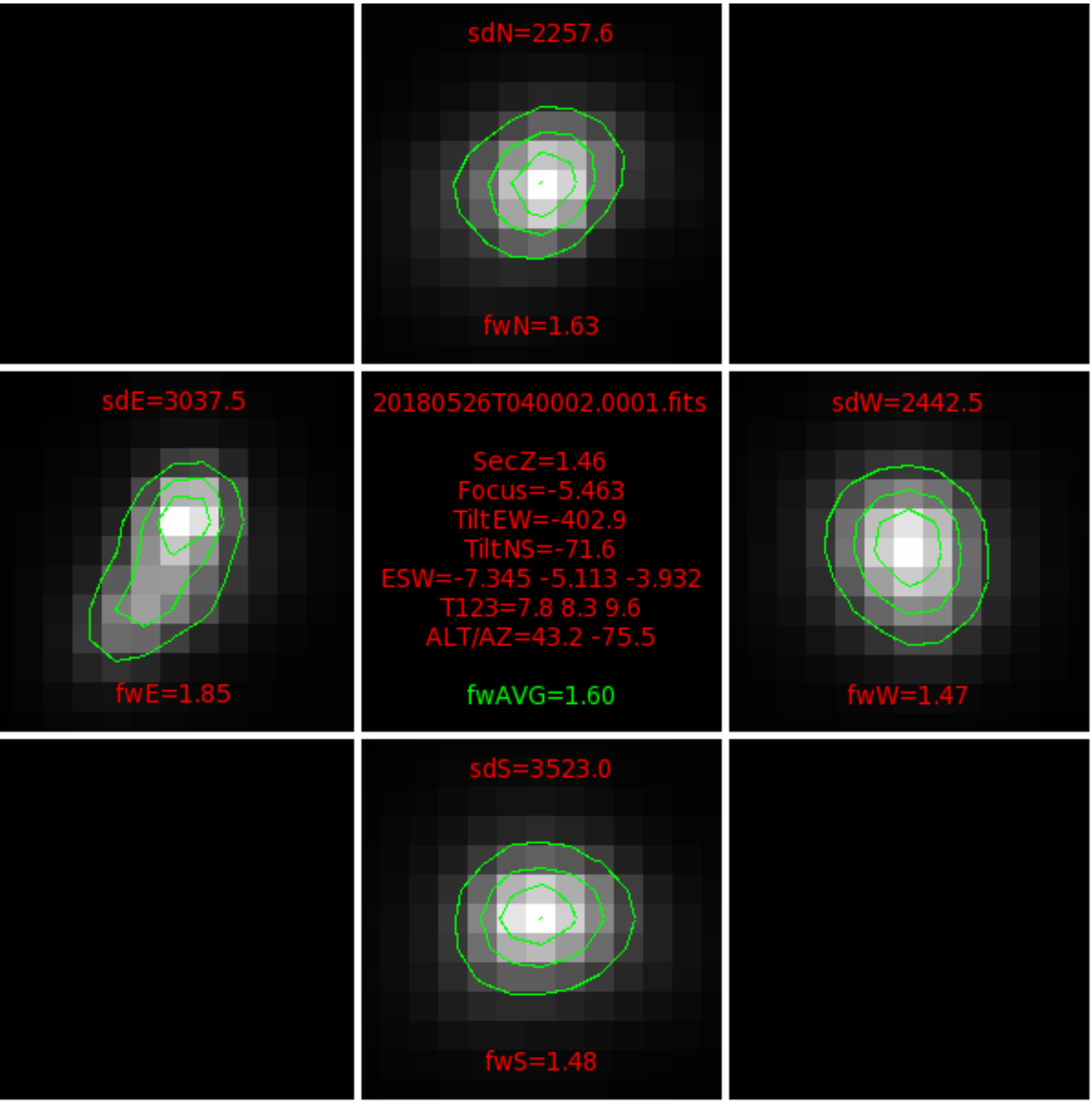
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sdE=3037.5
fwE=1.85
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SecZ=1.46
Focus=-5.463
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.345 -5.113 -3.932
T123=7.8 8.3 9.6
ALT/AZ=43.2 -75.5
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sdW=2442.5
fwW=1.47
sdS=3523.0
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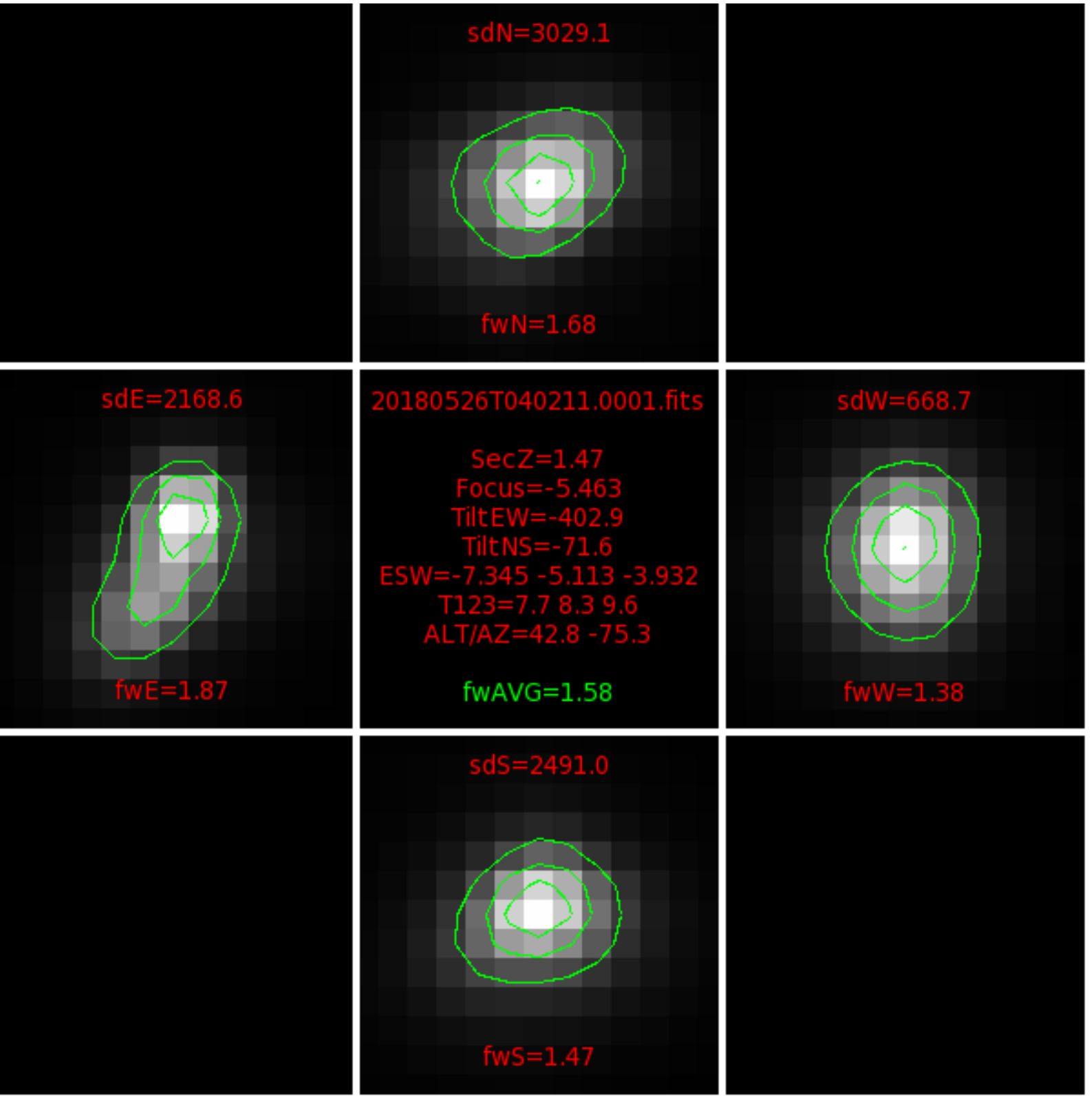
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fwN=1.68
sdE=2168.6
fwE=1.87
20180526T040211.0001.fits
SecZ=1.47
Focus=-5.463
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.345 -5.113 -3.932
T123=7.7 8.3 9.6
ALT/AZ=42.8 -75.3
fwAVG=1.58
sdW=668.7
fwW=1.38
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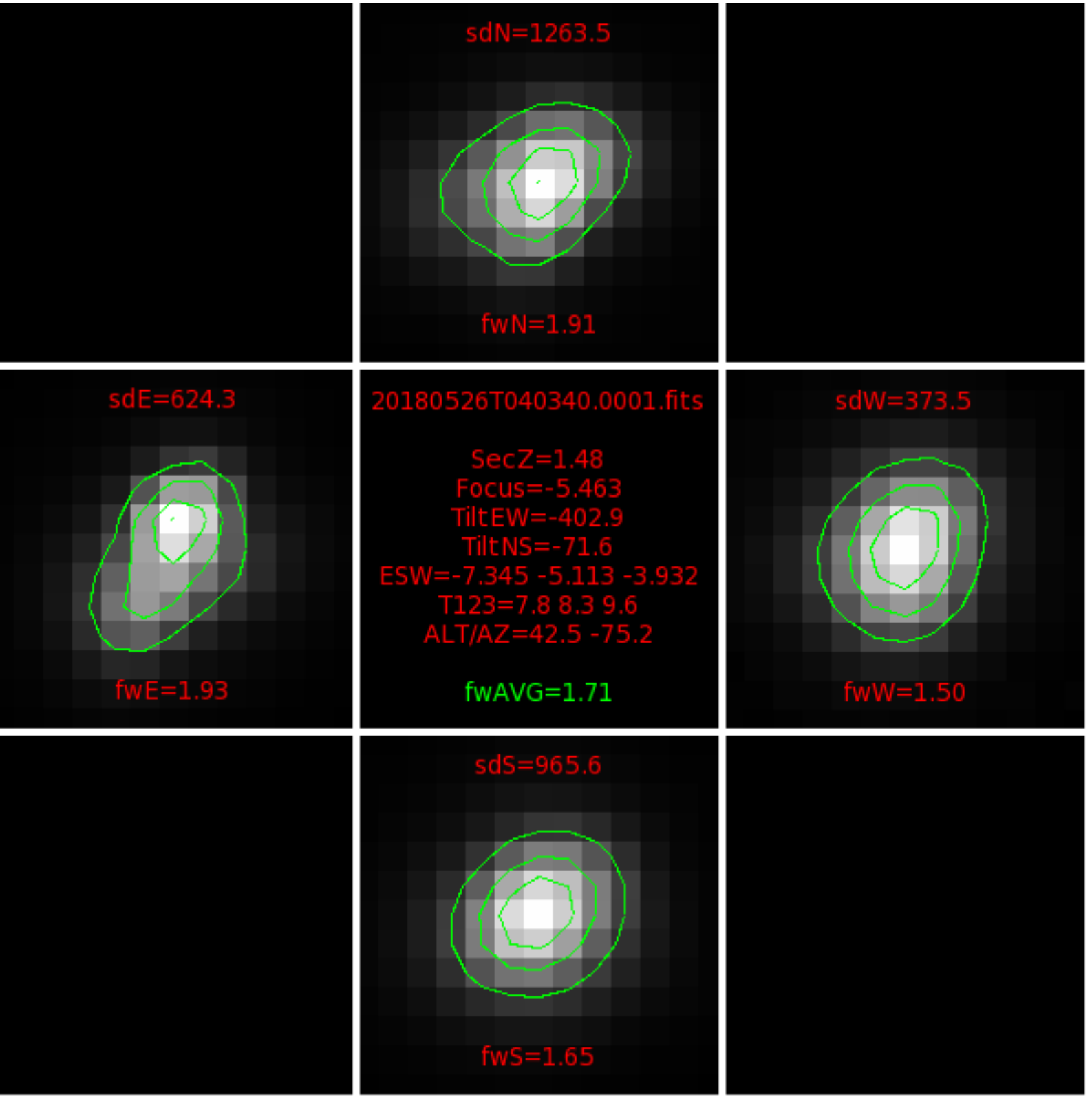
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fwN=1.91
sdE=624.3
fwE=1.93
20180526T040340.0001.fits
SecZ=1.48
Focus=-5.463
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.345 -5.113 -3.932
T123=7.8 8.3 9.6
ALT/AZ=42.5 -75.2
fwAVG=1.71
sdW=373.5
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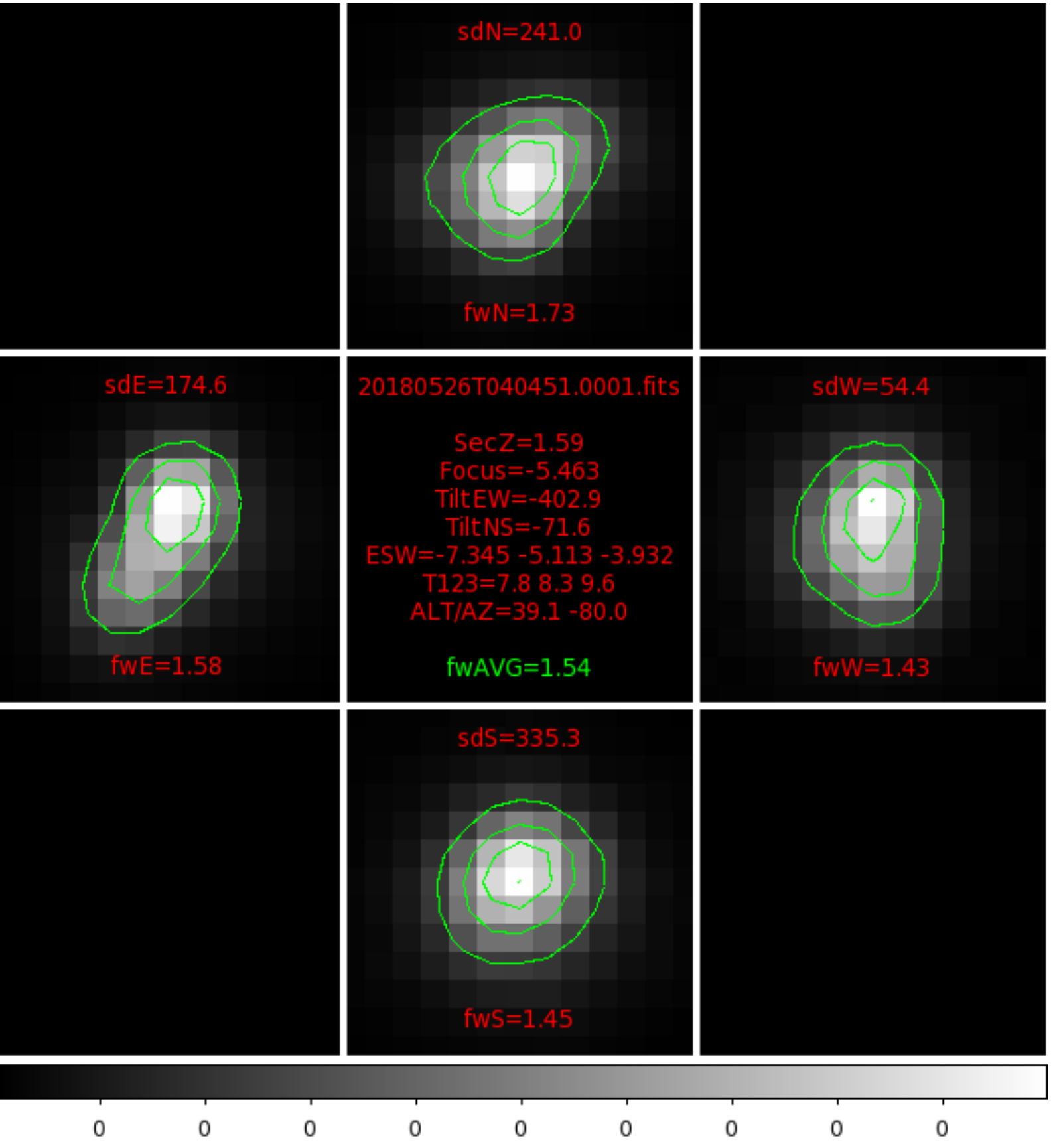
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sdE=174.6
fwE=1.58
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SecZ=1.59
Focus=-5.463
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.345 -5.113 -3.932
T123=7.8 8.3 9.6
ALT/AZ=39.1 -80.0
fwAVG=1.54
sdW=54.4
fwW=1.43
sdS=335.3
fwS=1.45
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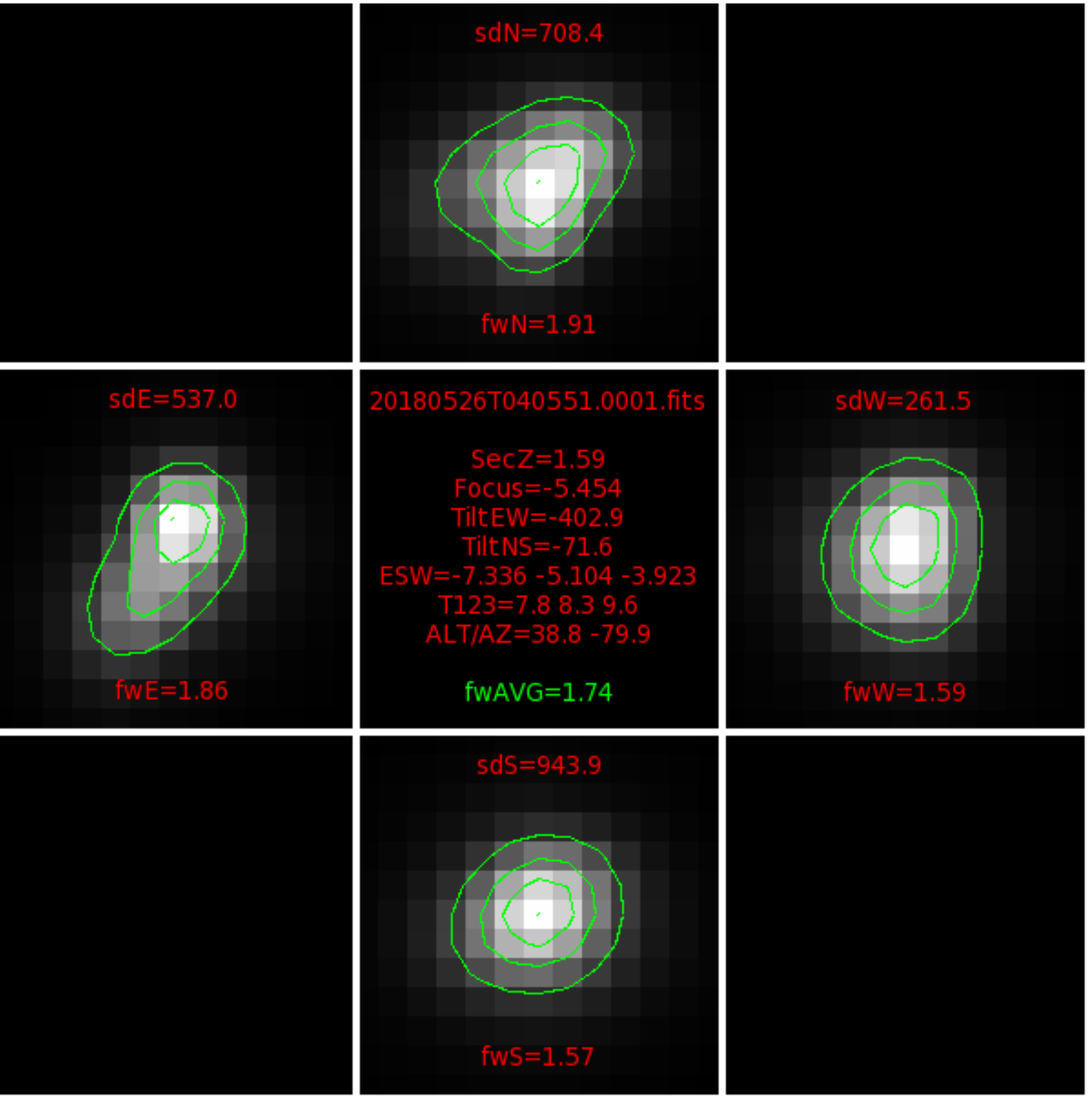
sdN=708.4
fwN=1.91
sdE=537.0
fwE=1.86
20180526T040551.0001.fits
SecZ=1.59
Focus=-5.454
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.336 -5.104 -3.923
T123=7.8 8.3 9.6
ALT/AZ=38.8 -79.9
fwAVG=1.74
sdW=261.5
fwW=1.59
sdS=943.9
fwS=1.57
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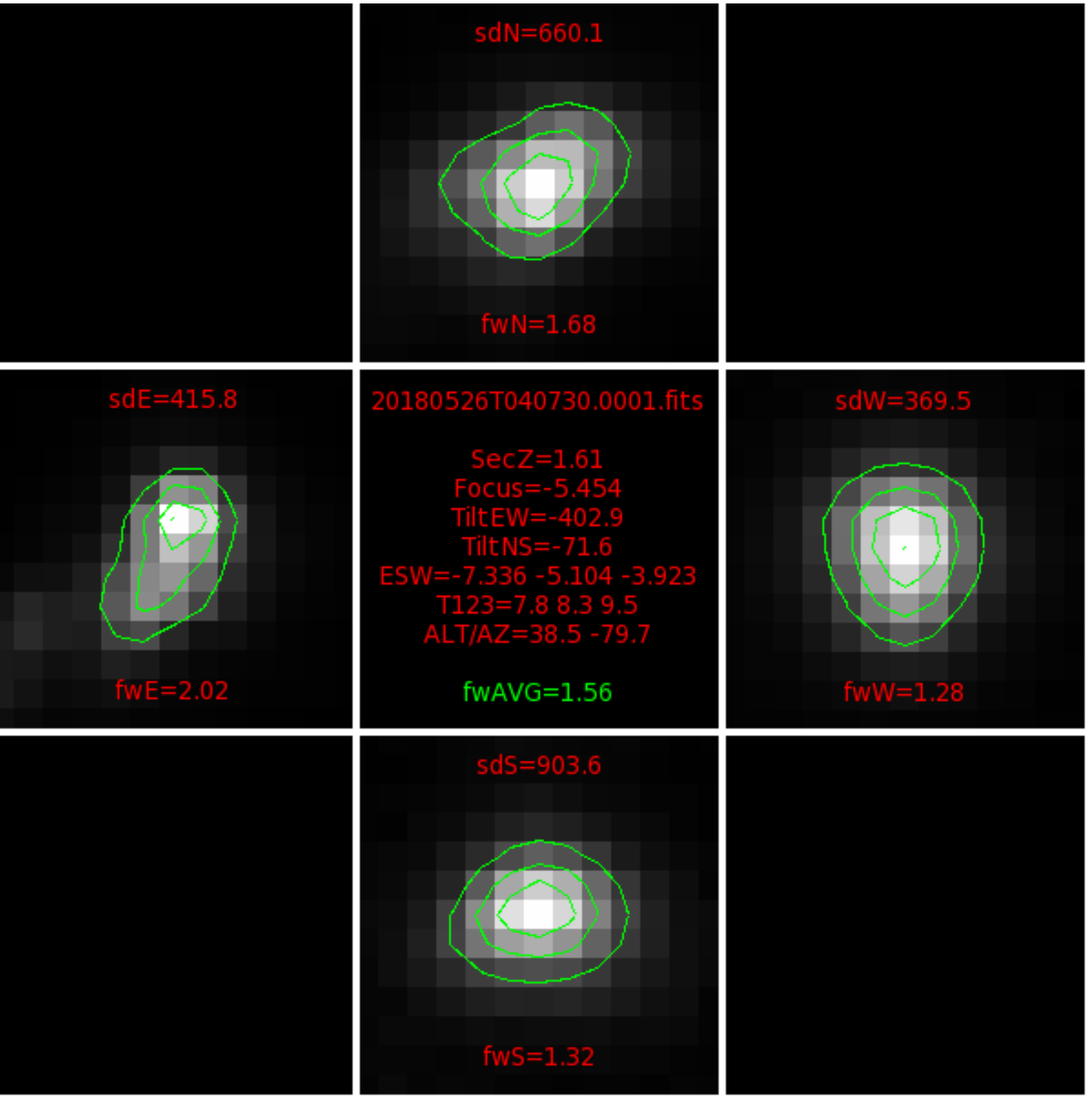
sdN=660.1
fwN=1.68
sdE=415.8
fwE=2.02
20180526T040730.0001.fits
SecZ=1.61
Focus=-5.454
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.336 -5.104 -3.923
T123=7.8 8.3 9.5
ALT/AZ=38.5 -79.7
fwAVG=1.56
sdW=369.5
fwW=1.28
sdS=903.6
fwS=1.32
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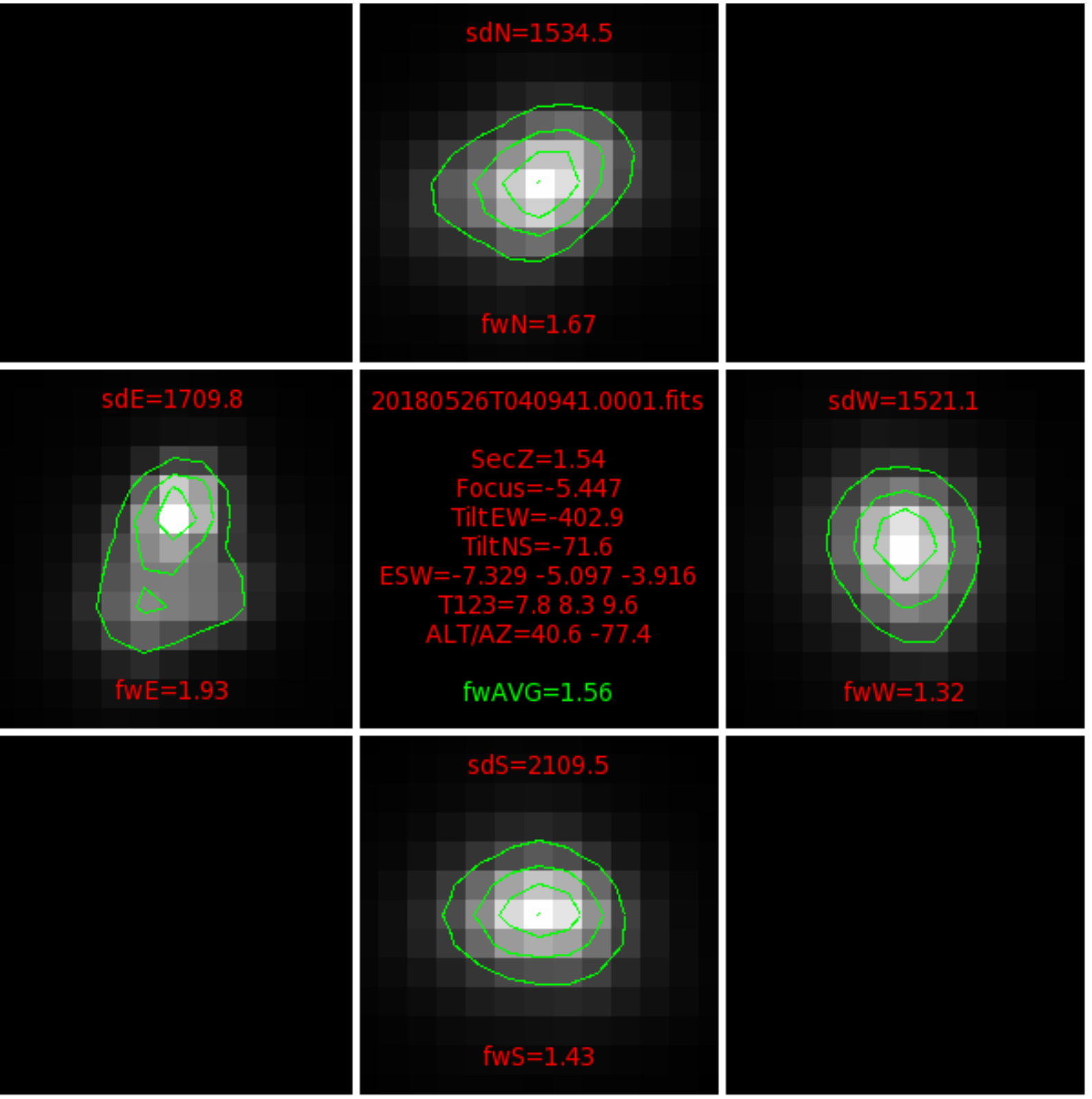
sdN=1534.5
fwN=1.67
sdE=1709.8
fwE=1.93
20180526T040941.0001.fits
SecZ=1.54
Focus=-5.447
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.329 -5.097 -3.916
T123=7.8 8.3 9.6
ALT/AZ=40.6 -77.4
fwAVG=1.56
sdW=1521.1
fwW=1.32
sdS=2109.5
fwS=1.43
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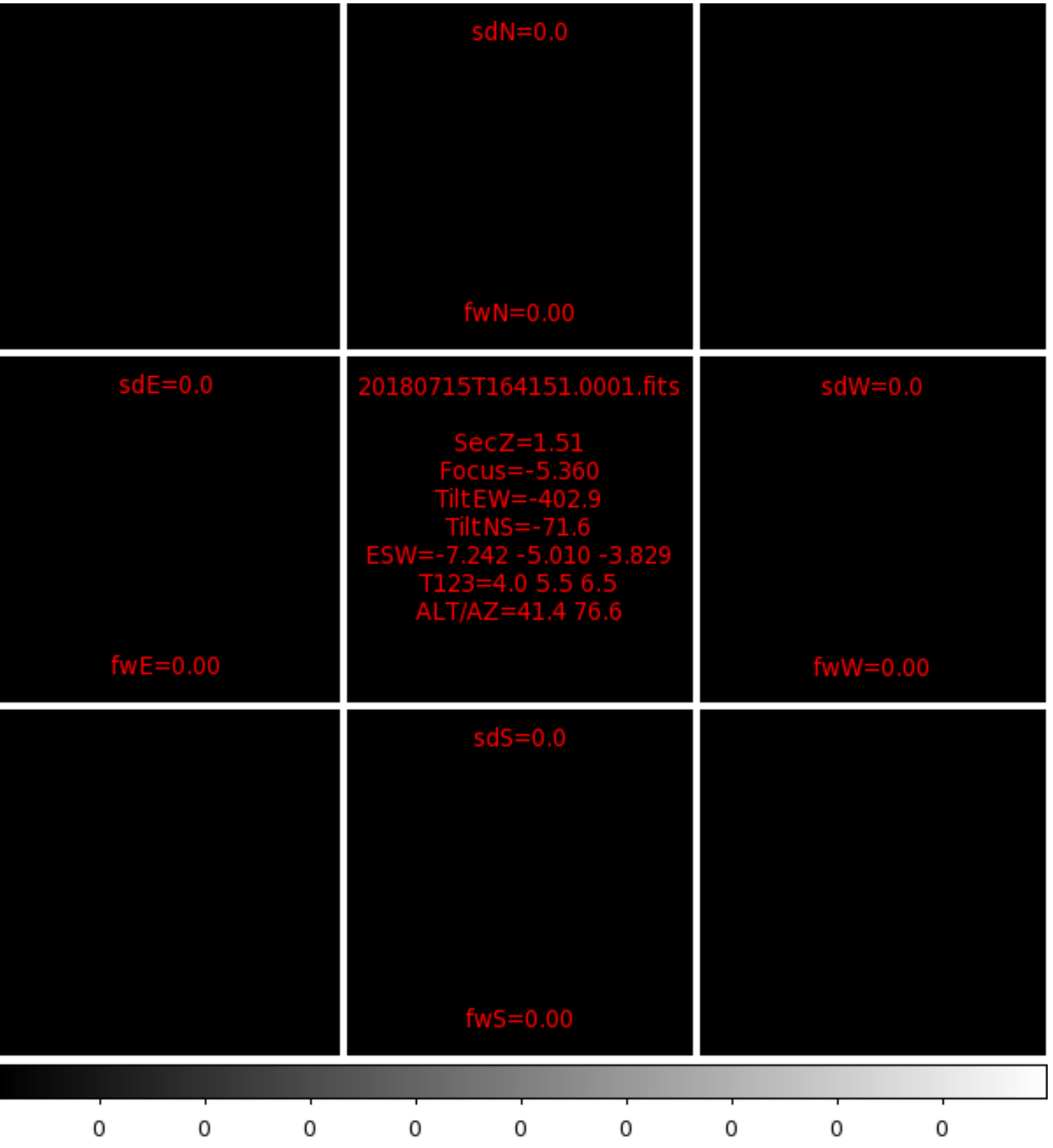
sdN=0.0
fwN=0.00
sdE=0.0
20180715T164151.0001.fits
SecZ=1.51
Focus=-5.360
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.242 -5.010 -3.829
T123=4.0 5.5 6.5
ALT/AZ=41.4 76.6
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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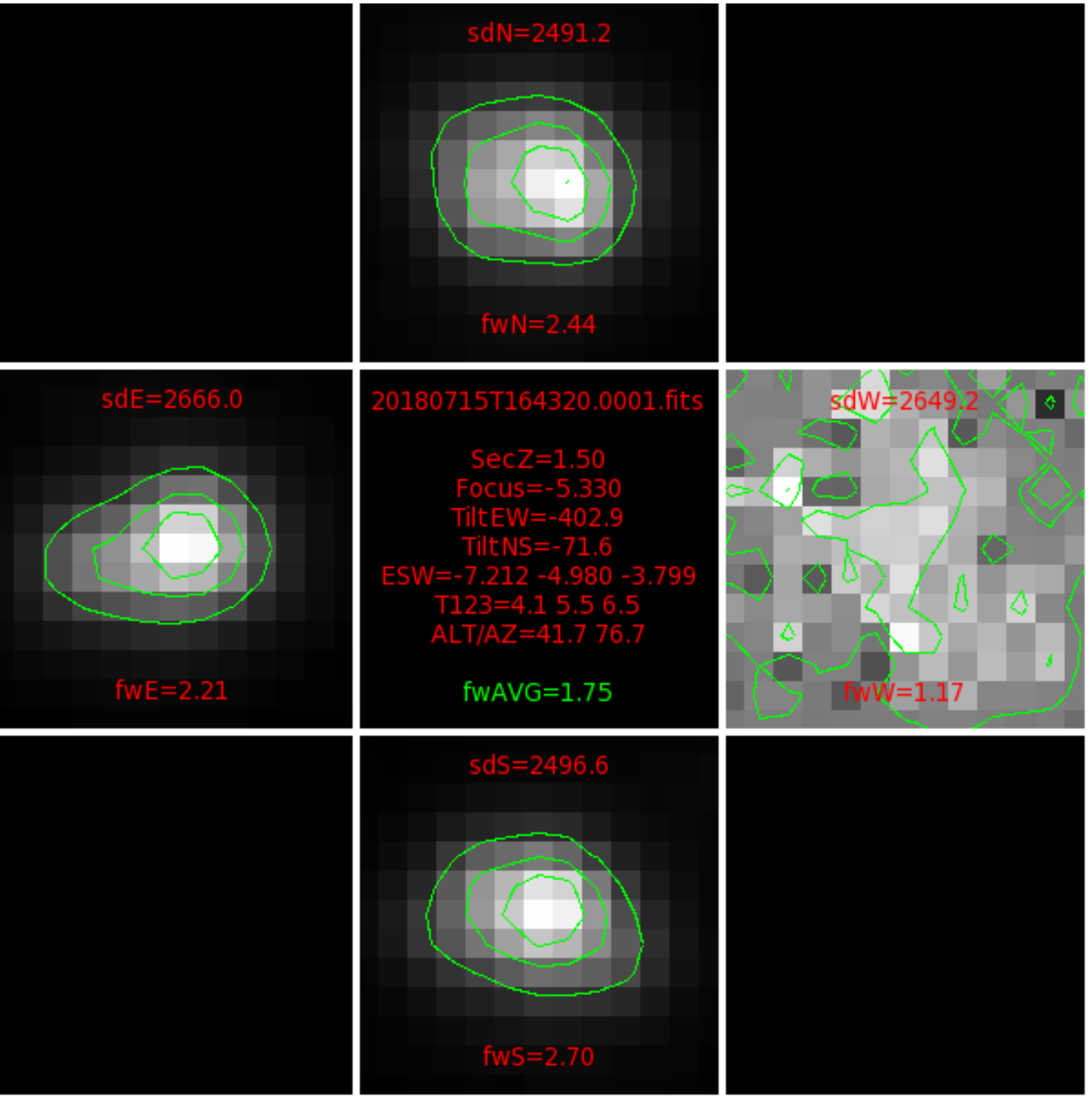
sdN=2491.2
fwN=2.44
sdE=2666.0
fwE=2.21
20180715T164320.0001.fits
SecZ=1.50
Focus=-5.330
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.212 -4.980 -3.799
T123=4.1 5.5 6.5
ALT/AZ=41.7 76.7
fwAVG=1.75
sdW=2649.2
fwW=1.17
sdS=2496.6
fwS=2.70
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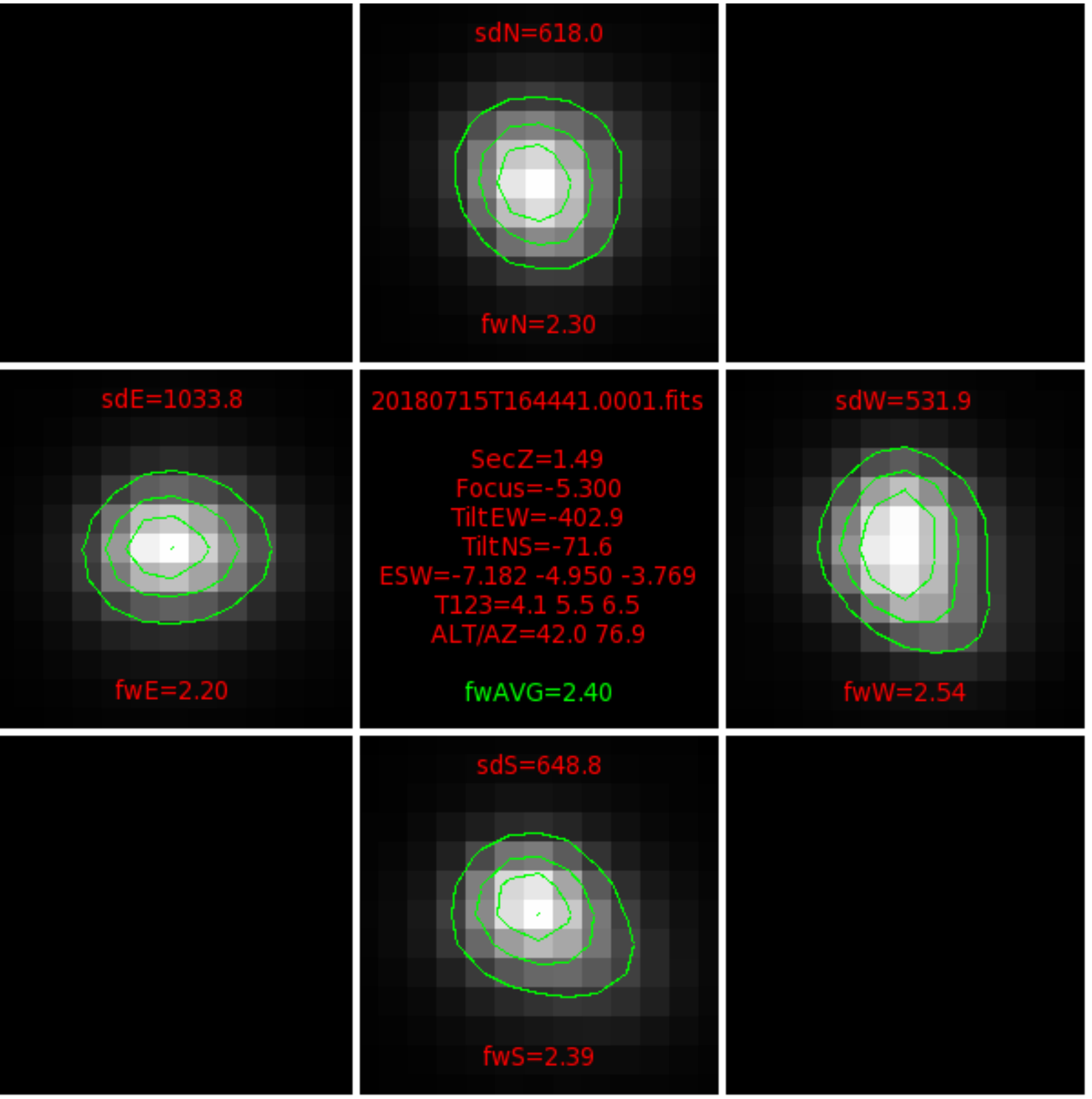
sdN=618.0
fwN=2.30
sdE=1033.8
fwE=2.20
20180715T164441.0001.fits
SecZ=1.49
Focus=-5.300
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.182 -4.950 -3.769
T123=4.1 5.5 6.5
ALT/AZ=42.0 76.9
fwAVG=2.40
sdW=531.9
fwW=2.54
sdS=648.8
fwS=2.39
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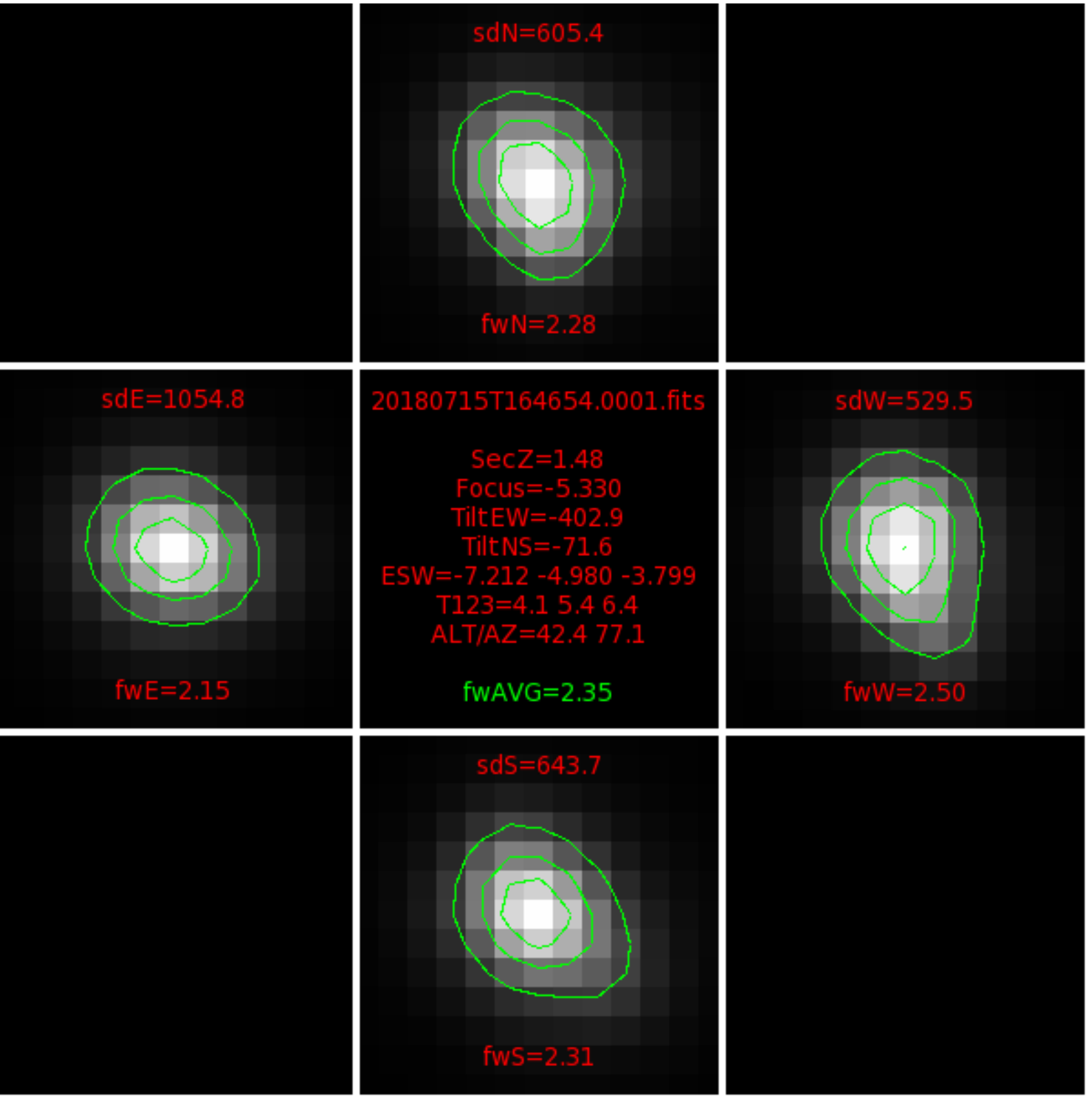
sdN=605.4
fwN=2.28
sdE=1054.8
fwE=2.15
20180715T164654.0001.fits
SecZ=1.48
Focus=-5.330
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.212 -4.980 -3.799
T123=4.1 5.4 6.4
ALT/AZ=42.4 77.1
fwAVG=2.35
sdW=529.5
fwW=2.50
sdS=643.7
fwS=2.31
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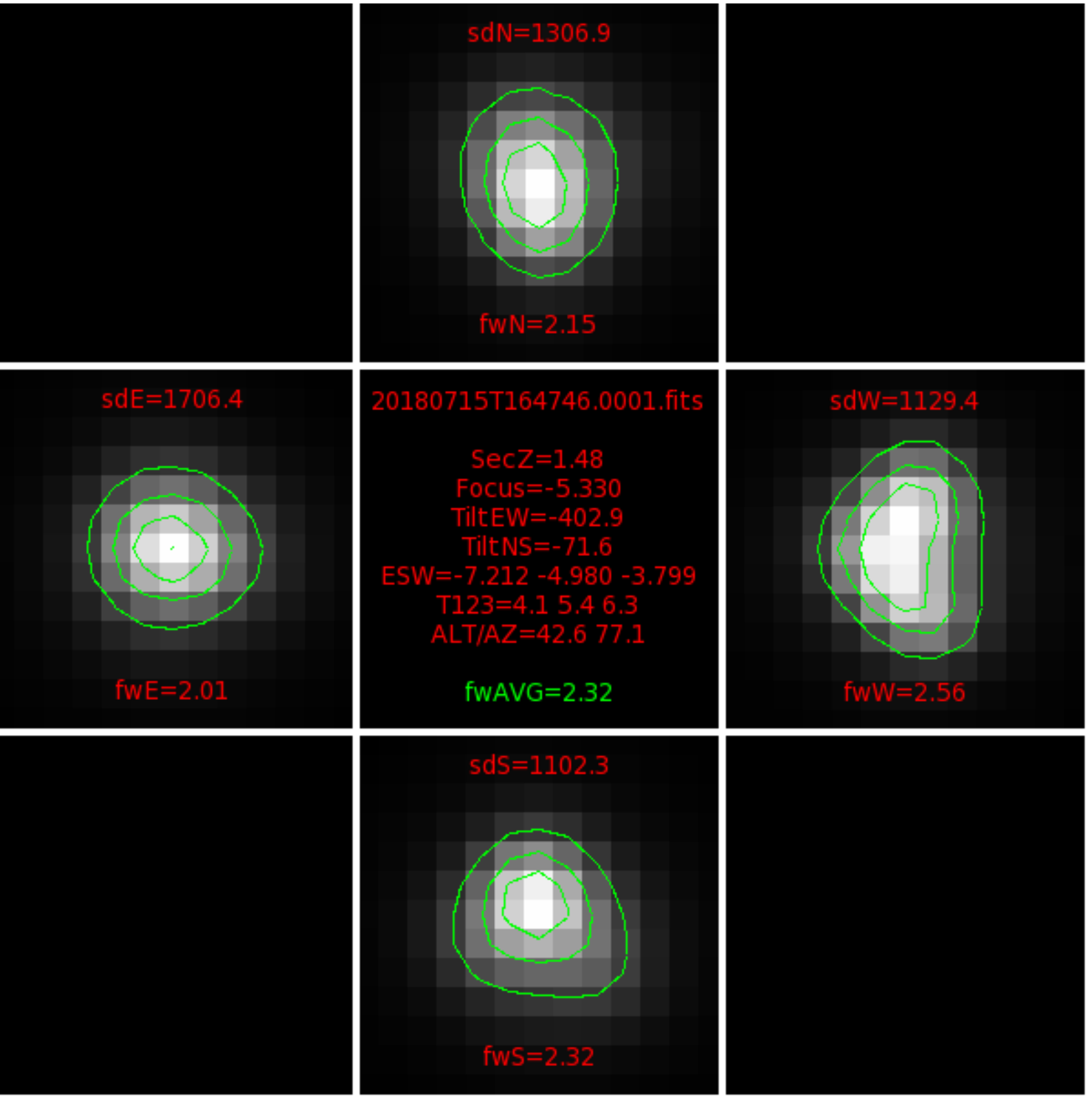
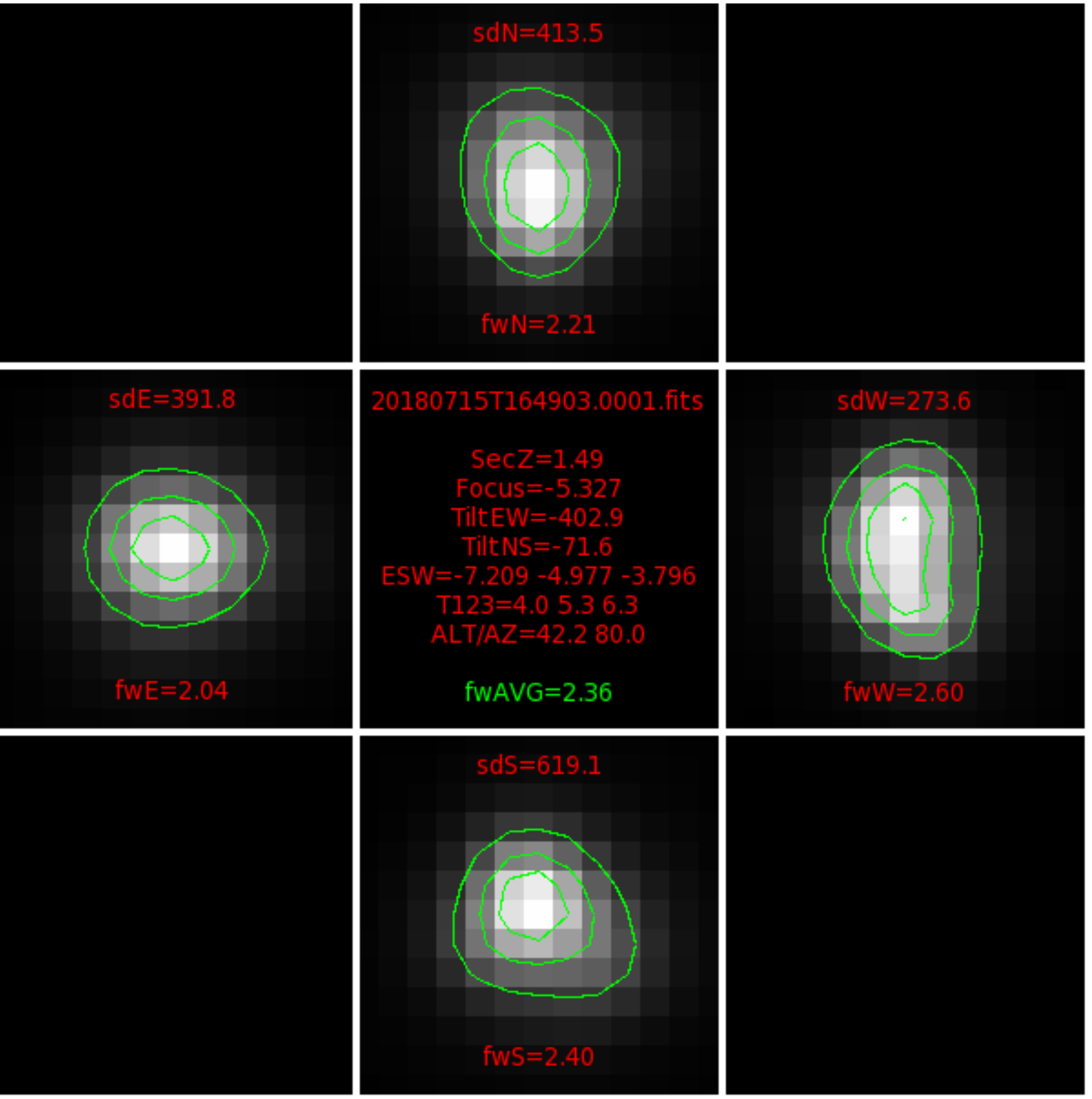

sdN=1306.9
fwN=2.15
sdE=1706.4
fwE=2.01
20180715T164746.0001.fits
SecZ=1.48
Focus=-5.330
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.212 -4.980 -3.799
T123=4.1 5.4 6.3
ALT/AZ=42.6 77.1
fwAVG=2.32
sdW=1129.4
fwW=2.56
sdS=1102.3
fwS=2.32
0 0 0 0 0 0 0 0 0


sdN=413.5
fwN=2.21
sdE=391.8
fwE=2.04
20180715T164903.0001.fits
SecZ=1.49
Focus=-5.327
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.209 -4.977 -3.796
T123=4.0 5.3 6.3
ALT/AZ=42.2 80.0
fwAVG=2.36
sdW=273.6
fwW=2.60
sdS=619.1
fwS=2.40
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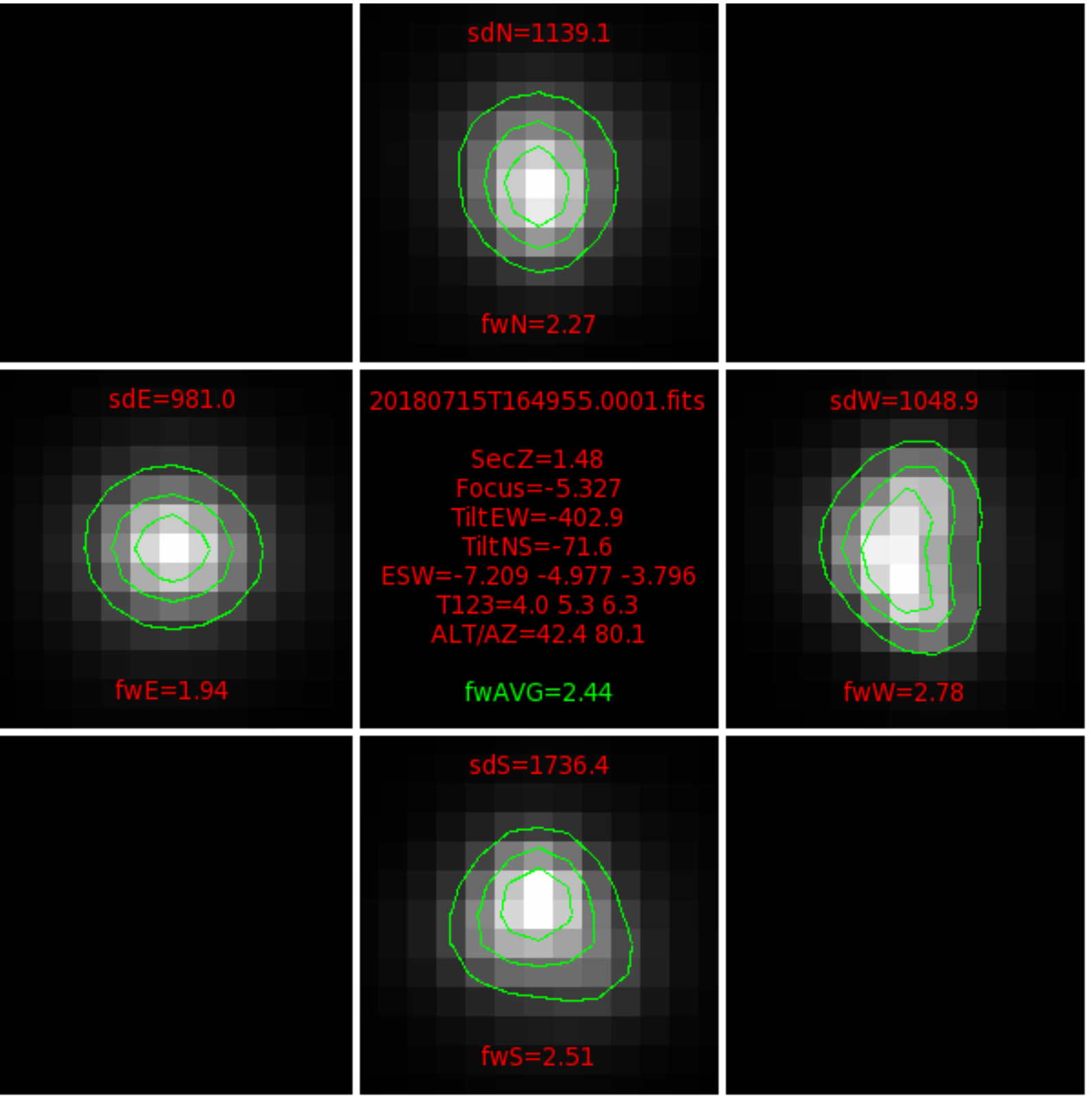
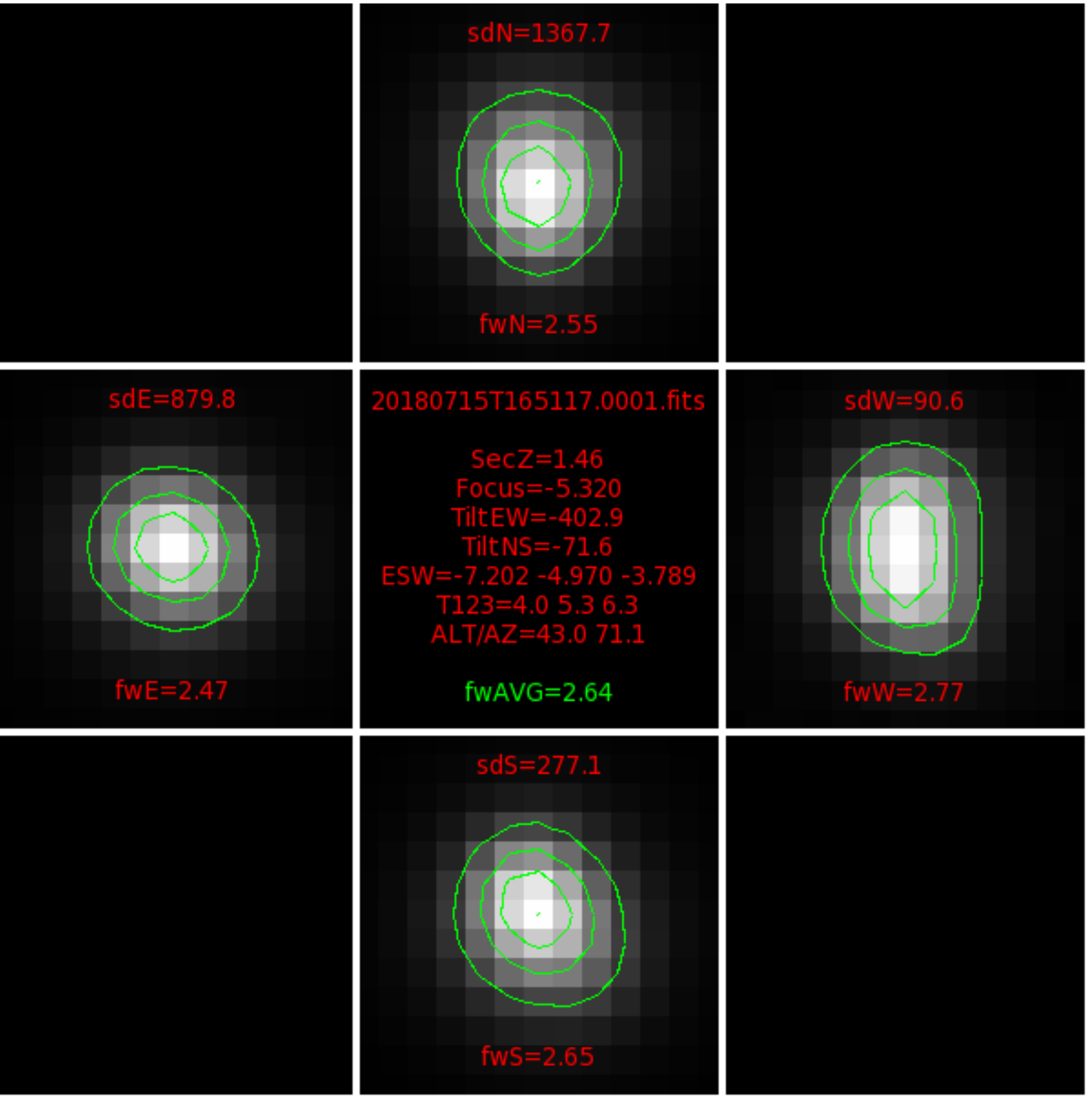

sdN=1139.1
fwN=2.27
sdE=981.0
fwE=1.94
20180715T164955.0001.fits
SecZ=1.48
Focus=-5.327
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.209 -4.977 -3.796
T123=4.0 5.3 6.3
ALT/AZ=42.4 80.1
fwAVG=2.44
sdW=1048.9
fwW=2.78
sdS=1736.4
fwS=2.51
0 0 0 0 0 0 0 0 0


sdN=1367.7
fwN=2.55
sdE=879.8
fwE=2.47
20180715T165117.0001.fits
SecZ=1.46
Focus=-5.320
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.202 -4.970 -3.789
T123=4.0 5.3 6.3
ALT/AZ=43.0 71.1
fwAVG=2.64
sdW=90.6
fwW=2.77
sdS=277.1
fwS=2.65
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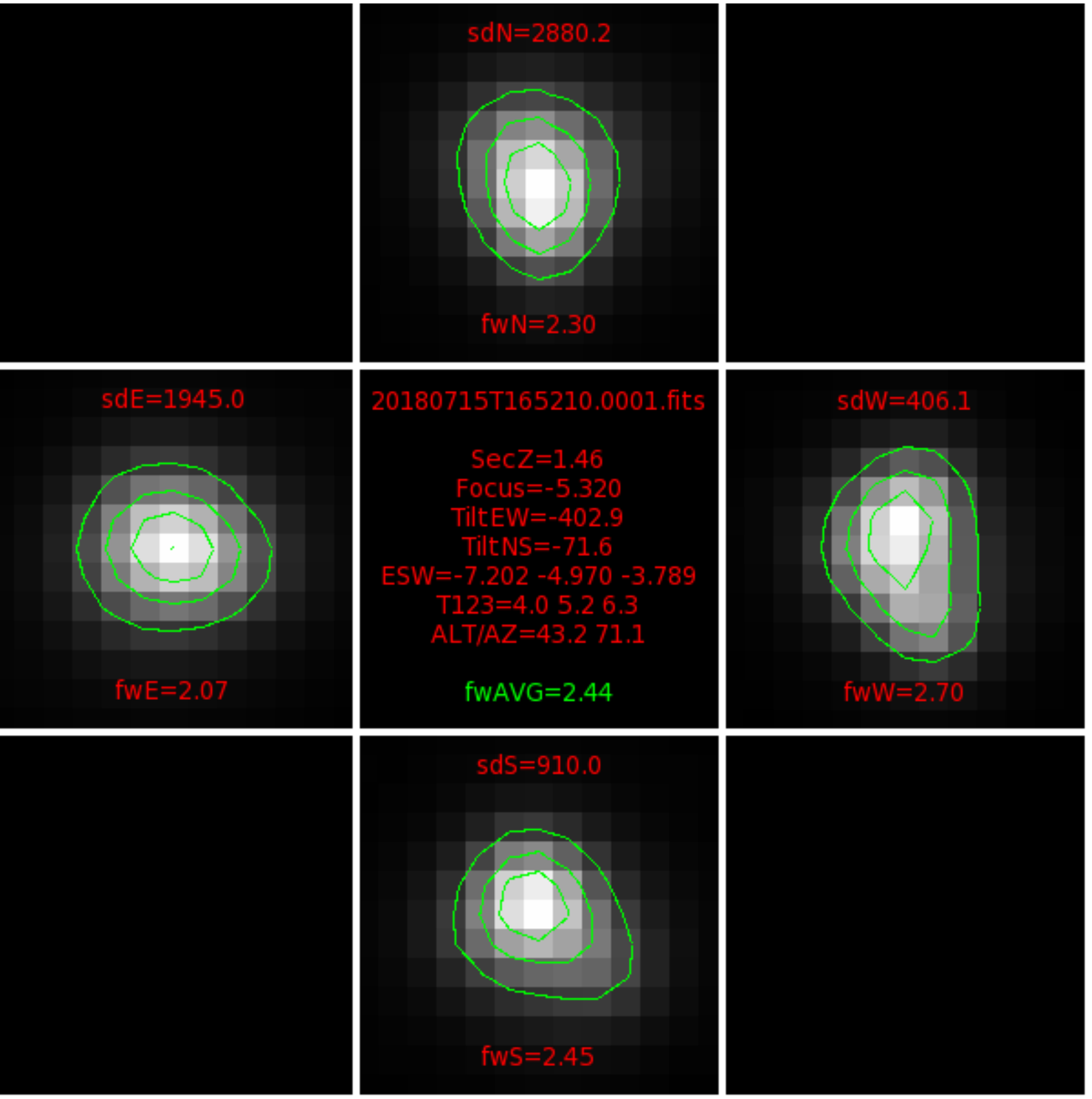
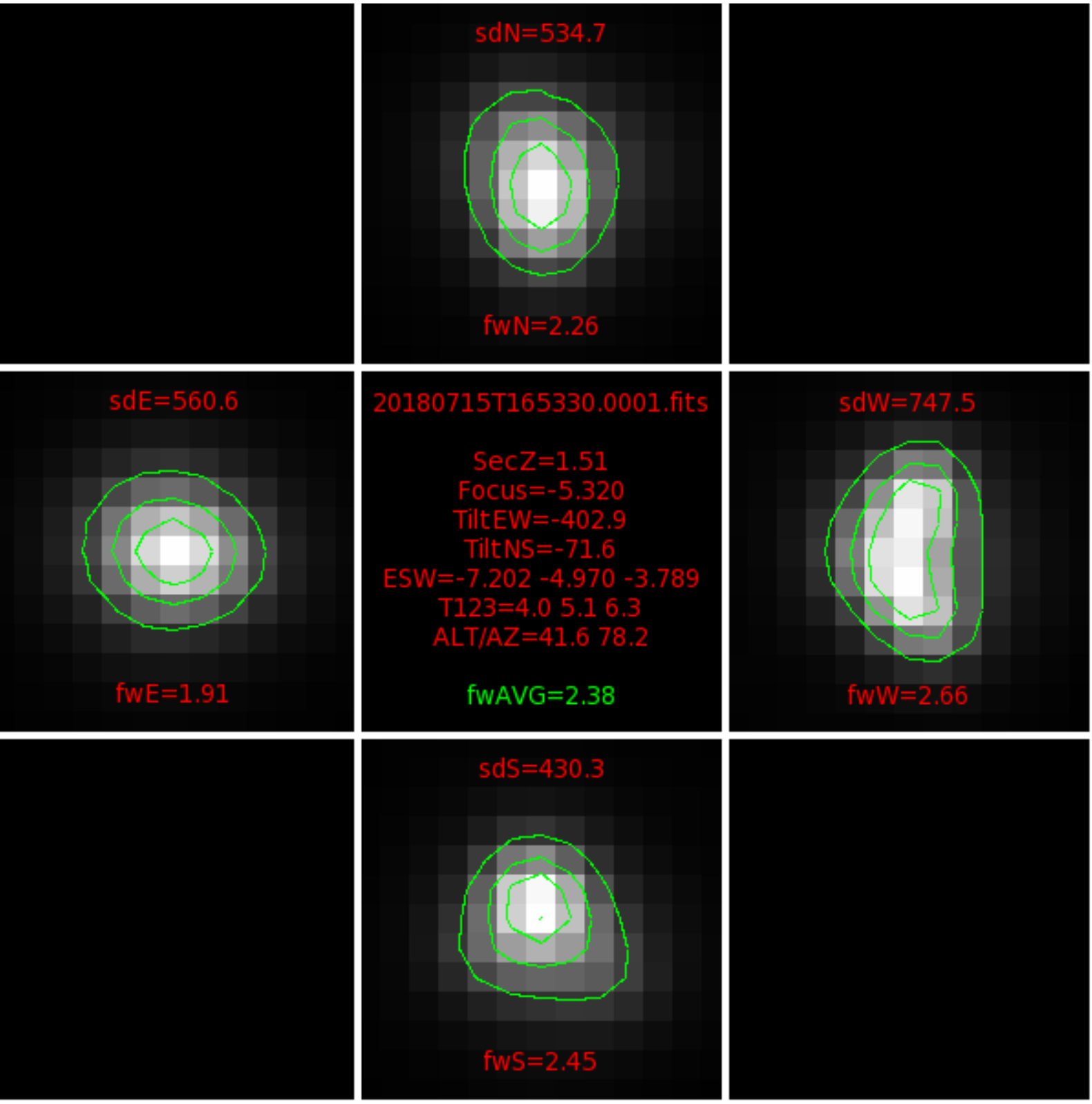
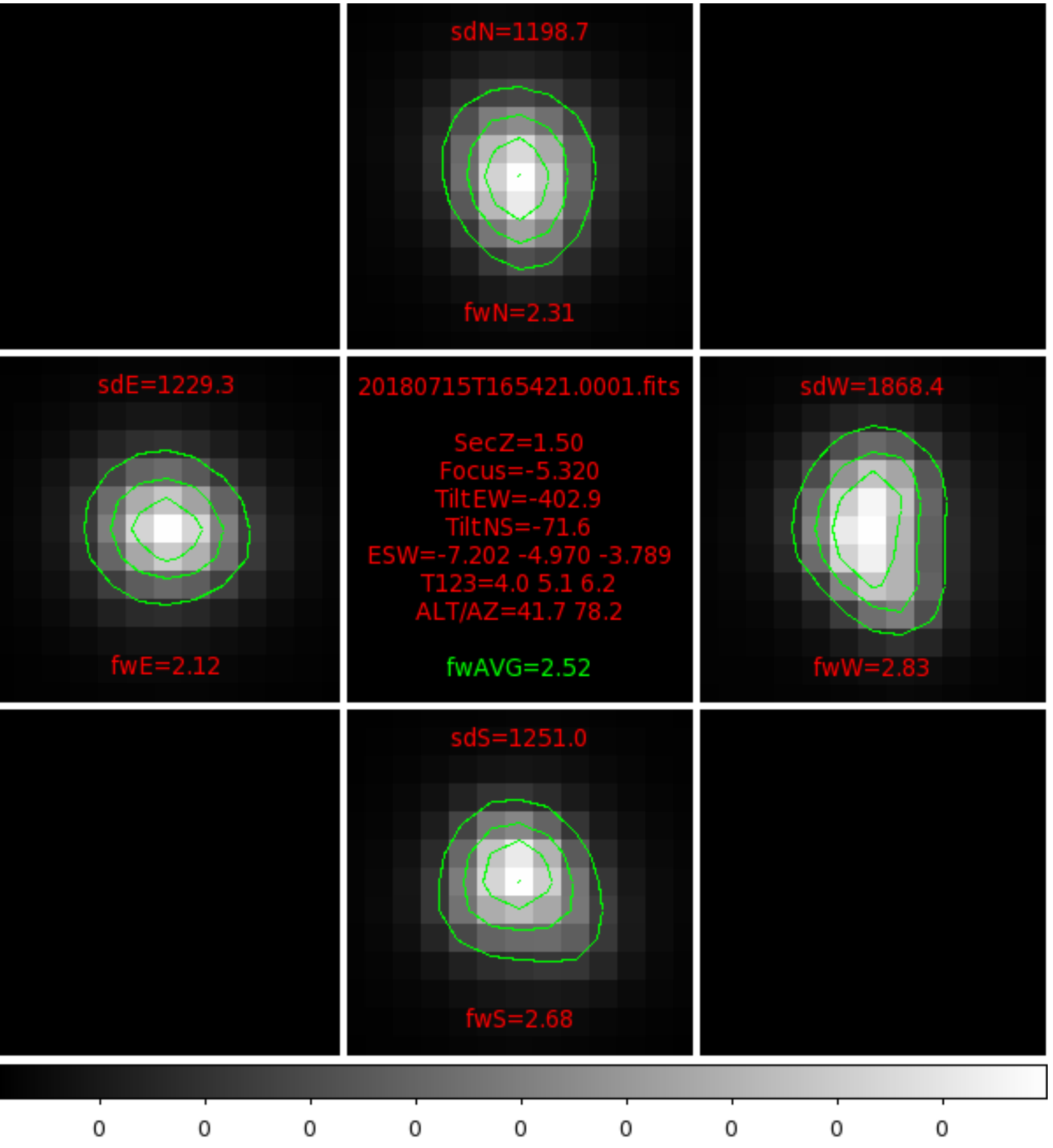

sdN=2880.2
fwN=2.30
sdE=1945.0
fwE=2.07
20180715T165210.0001.fits
SecZ=1.46
Focus=-5.320
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.202 -4.970 -3.789
T123=4.0 5.2 6.3
ALT/AZ=43.2 71.1
fwAVG=2.44
sdW=406.1
fwW=2.70
sdS=910.0
fwS=2.45
0 0 0 0 0 0 0 0 0


sdN=534.7
fwN=2.26
sdE=560.6
fwE=1.91
20180715T165330.0001.fits
SecZ=1.51
Focus=-5.320
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.202 -4.970 -3.789
T123=4.0 5.1 6.3
ALT/AZ=41.6 78.2
fwAVG=2.38
sdW=747.5
fwW=2.66
sdS=430.3
fwS=2.45
0 0 0 0 0 0 0 0 0


sdN=1198.7
fwN=2.31
sdE=1229.3
fwE=2.12
20180715T165421.0001.fits
SecZ=1.50
Focus=-5.320
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.202 -4.970 -3.789
T123=4.0 5.1 6.2
ALT/AZ=41.7 78.2
fwAVG=2.52
sdW=1868.4
fwW=2.83
sdS=1251.0
fwS=2.68
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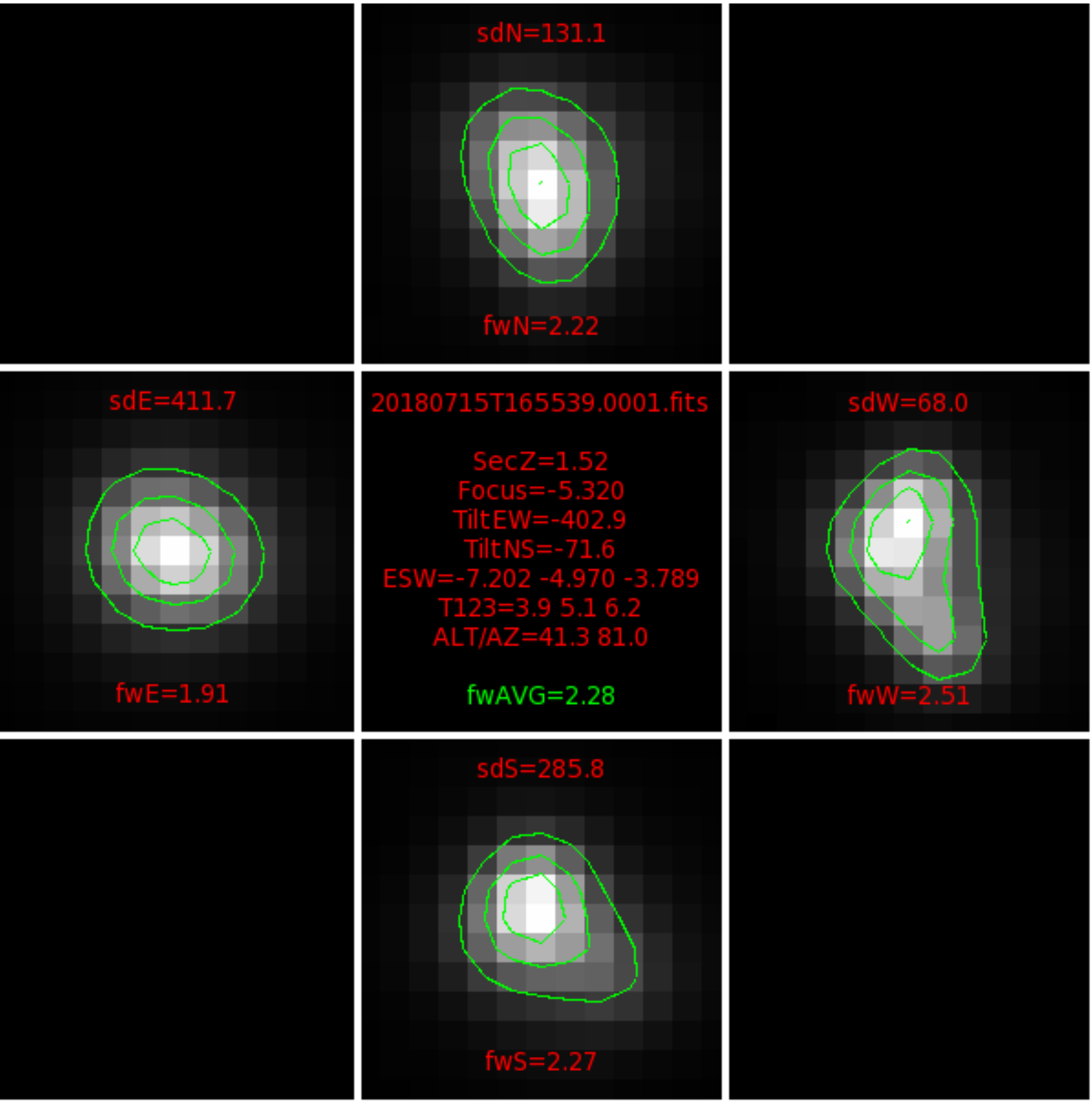
sdN=131.1
fwN=2.22
sdE=411.7
fwE=1.91
20180715T165539.0001.fits
SecZ=1.52
Focus=-5.320
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.202 -4.970 -3.789
T123=3.9 5.1 6.2
ALT/AZ=41.3 81.0
fwAVG=2.28
sdW=68.0
fwW=2.51
sdS=285.8
fwS=2.27
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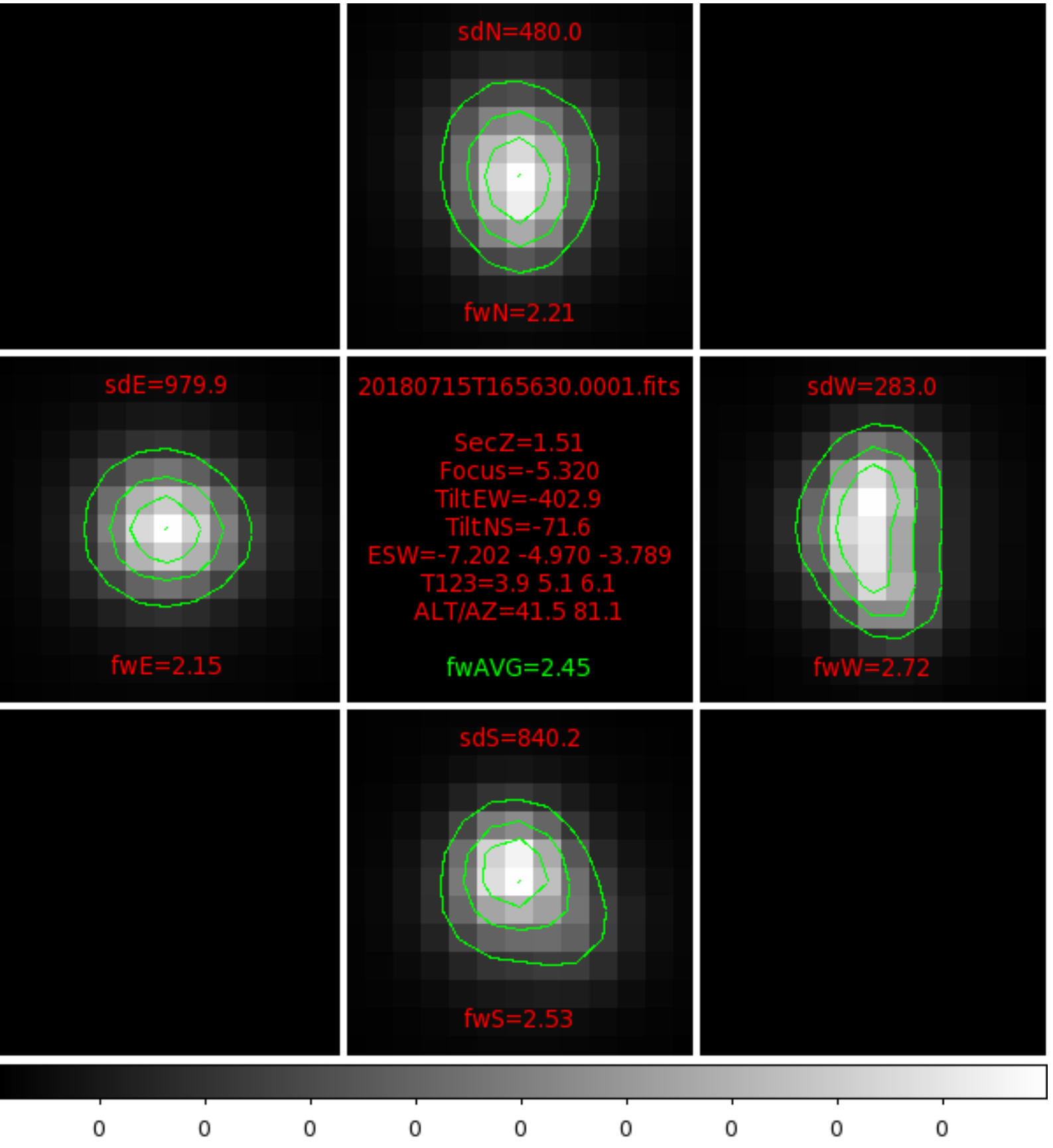
sdN=480.0
fwN=2.21
sdE=979.9
fwE=2.15
20180715T165630.0001.fits
SecZ=1.51
Focus=-5.320
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.202 -4.970 -3.789
T123=3.9 5.1 6.1
ALT/AZ=41.5 81.1
fwAVG=2.45
sdW=283.0
fwW=2.72
sdS=840.2
fwS=2.53
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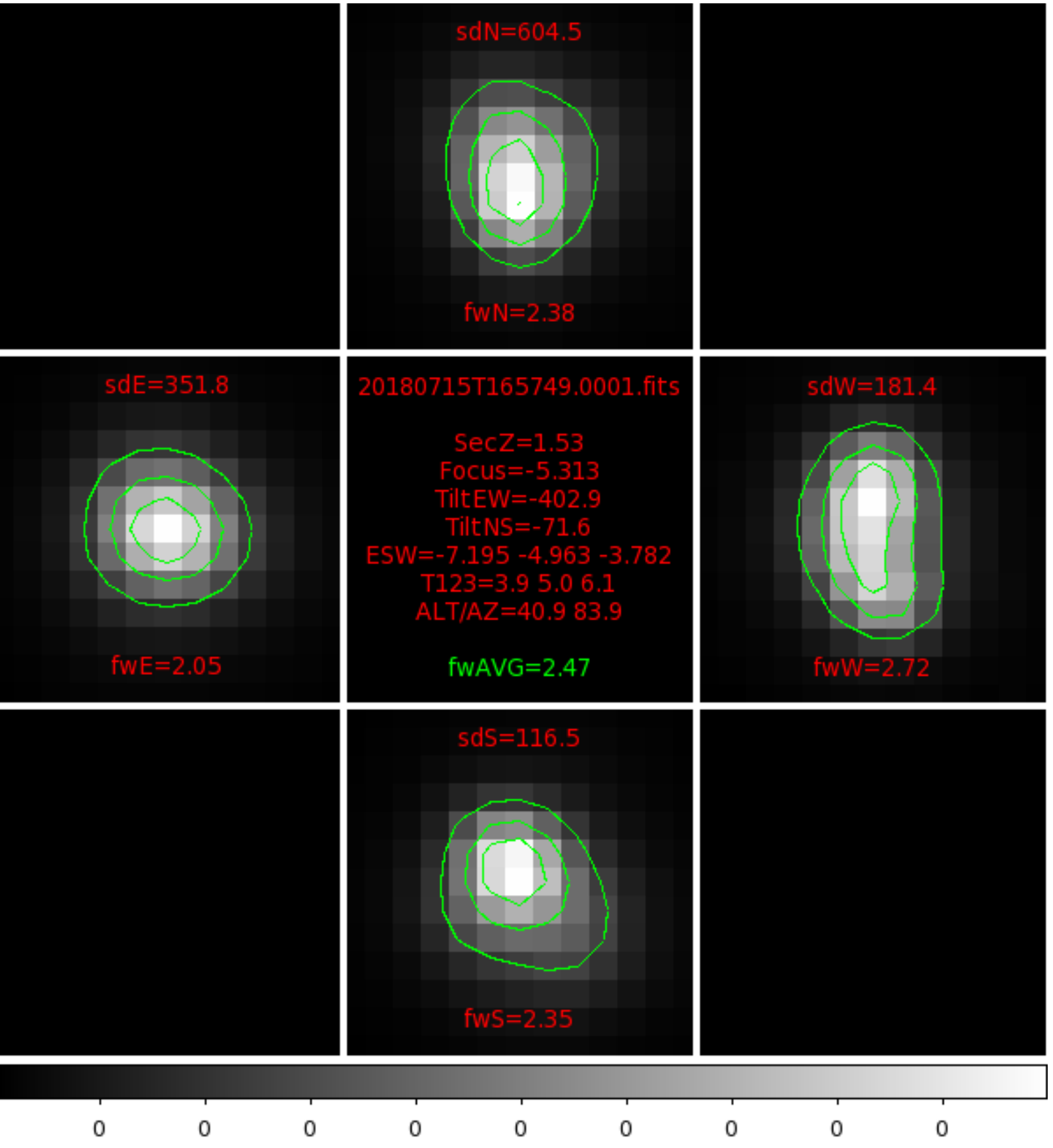
sdN=604.5
fwN=2.38
sdE=351.8
fwE=2.05
20180715T165749.0001.fits
SecZ=1.53
Focus=-5.313
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.195 -4.963 -3.782
T123=3.9 5.0 6.1
ALT/AZ=40.9 83.9
fwAVG=2.47
sdW=181.4
fwW=2.72
sdS=116.5
fwS=2.35
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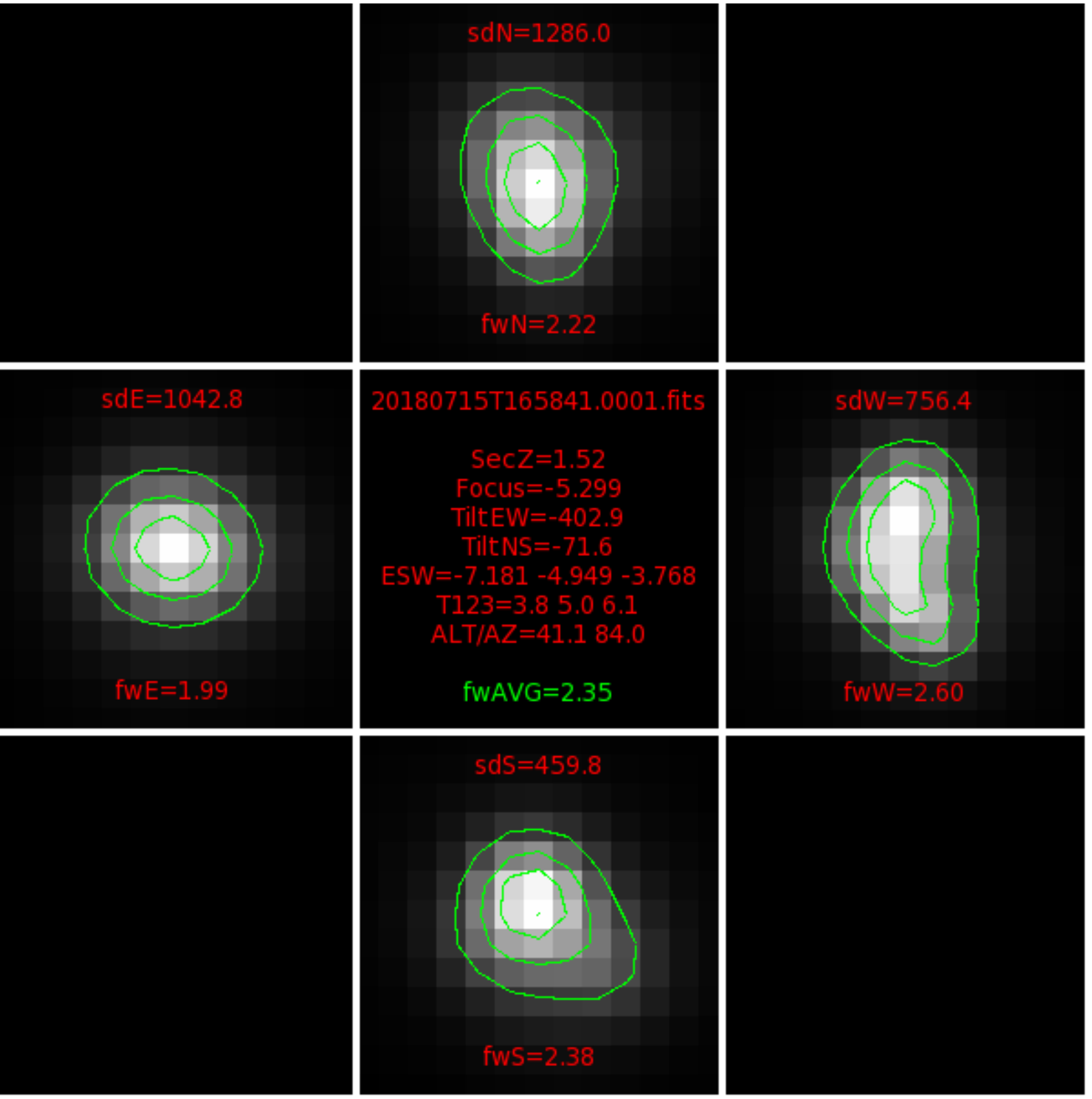
sdN=1286.0
fwN=2.22
sdE=1042.8
fwE=1.99
20180715T165841.0001.fits
SecZ=1.52
Focus=-5.299
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.181 -4.949 -3.768
T123=3.8 5.0 6.1
ALT/AZ=41.1 84.0
fwAVG=2.35
sdW=756.4
fwW=2.60
sdS=459.8
fwS=2.38
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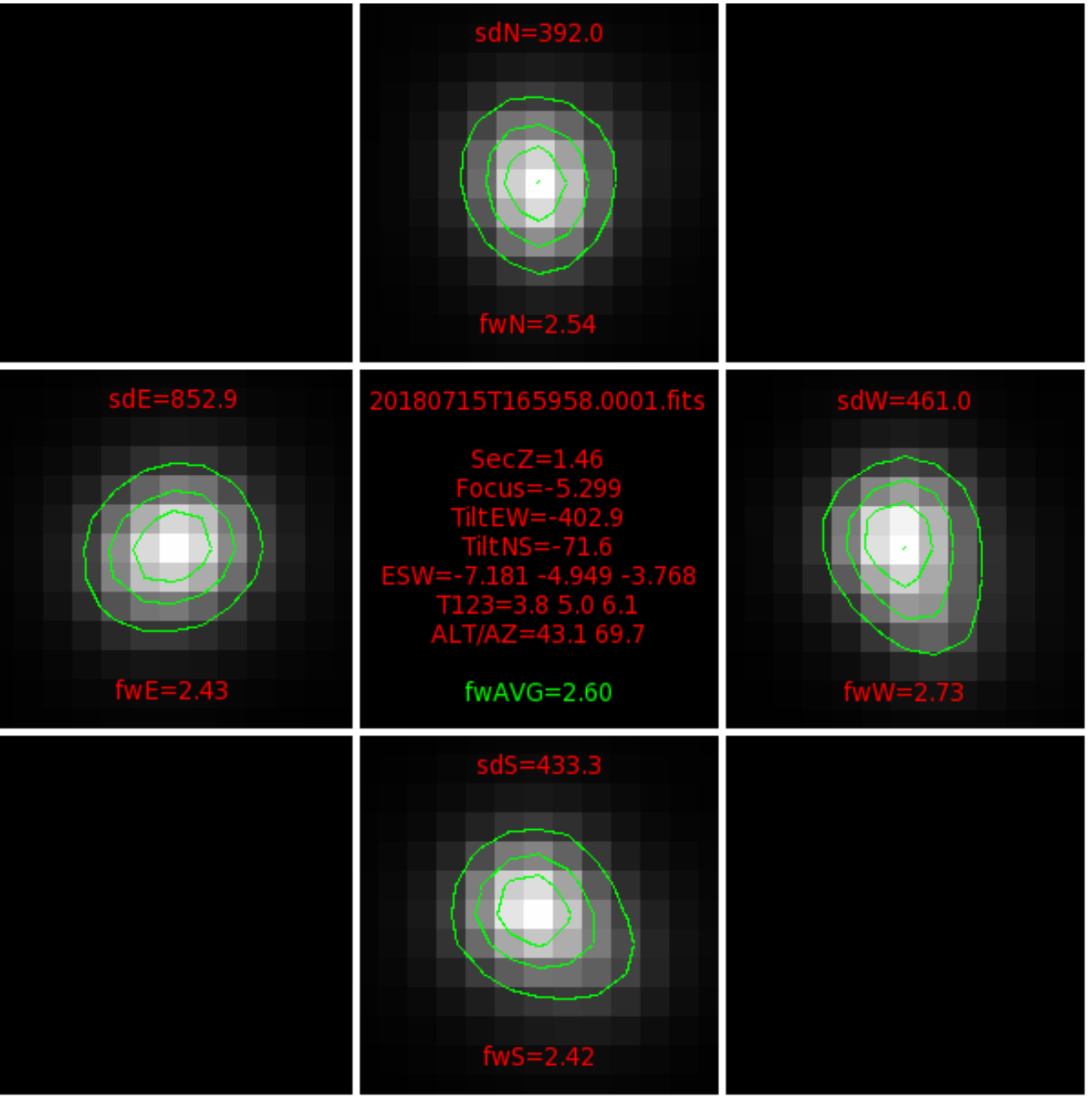
sdN=392.0
fwN=2.54
sdE=852.9
fwE=2.43
20180715T165958.0001.fits
SecZ=1.46
Focus=-5.299
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.181 -4.949 -3.768
T123=3.8 5.0 6.1
ALT/AZ=43.1 69.7
fwAVG=2.60
sdW=461.0
fwW=2.73
sdS=433.3
fwS=2.42
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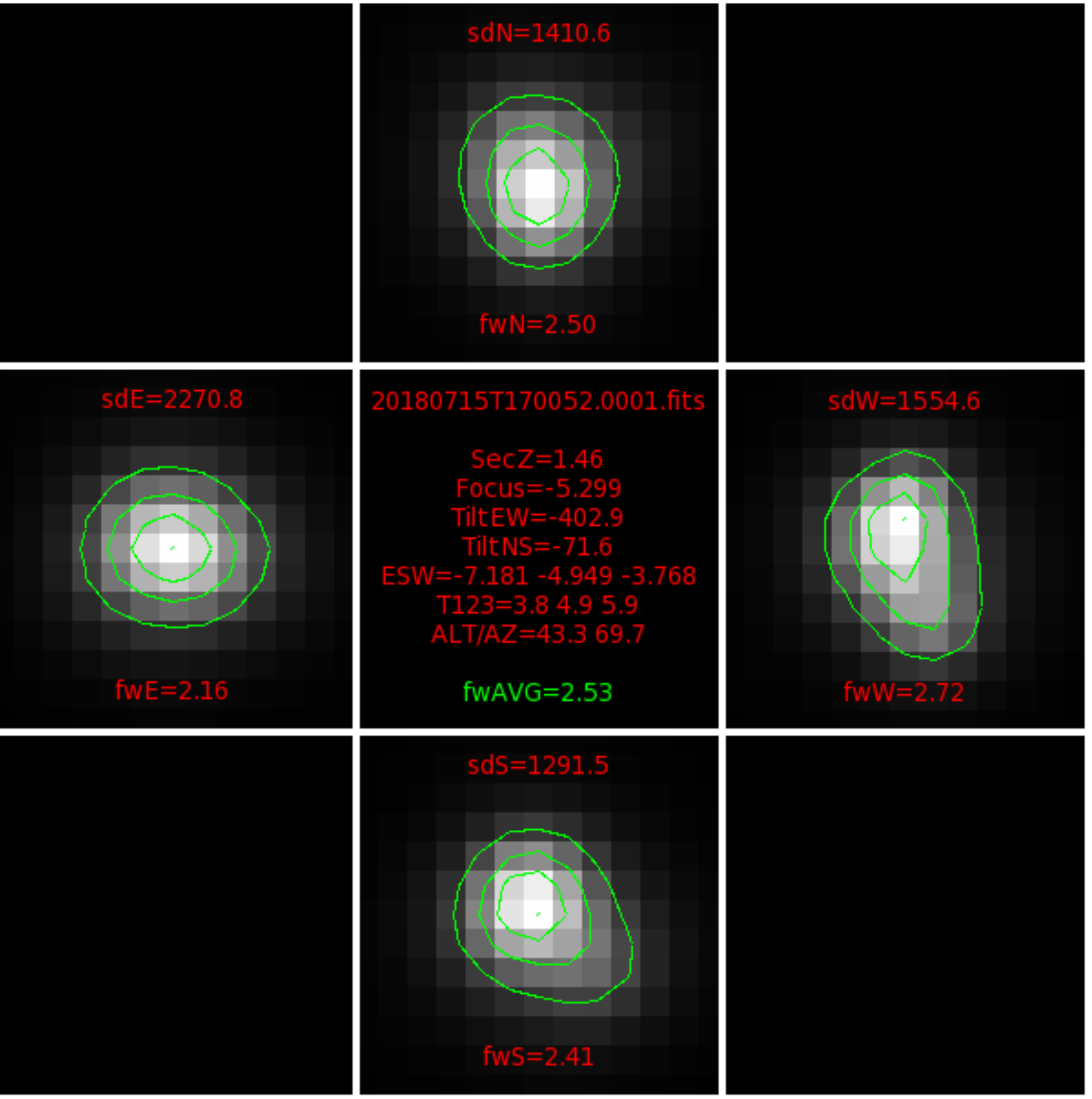
sdN=1410.6
fwN=2.50
sdE=2270.8
fwE=2.16
20180715T170052.0001.fits
SecZ=1.46
Focus=-5.299
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.181 -4.949 -3.768
T123=3.8 4.9 5.9
ALT/AZ=43.3 69.7
fwAVG=2.53
sdW=1554.6
fwW=2.72
sdS=1291.5
fwS=2.41
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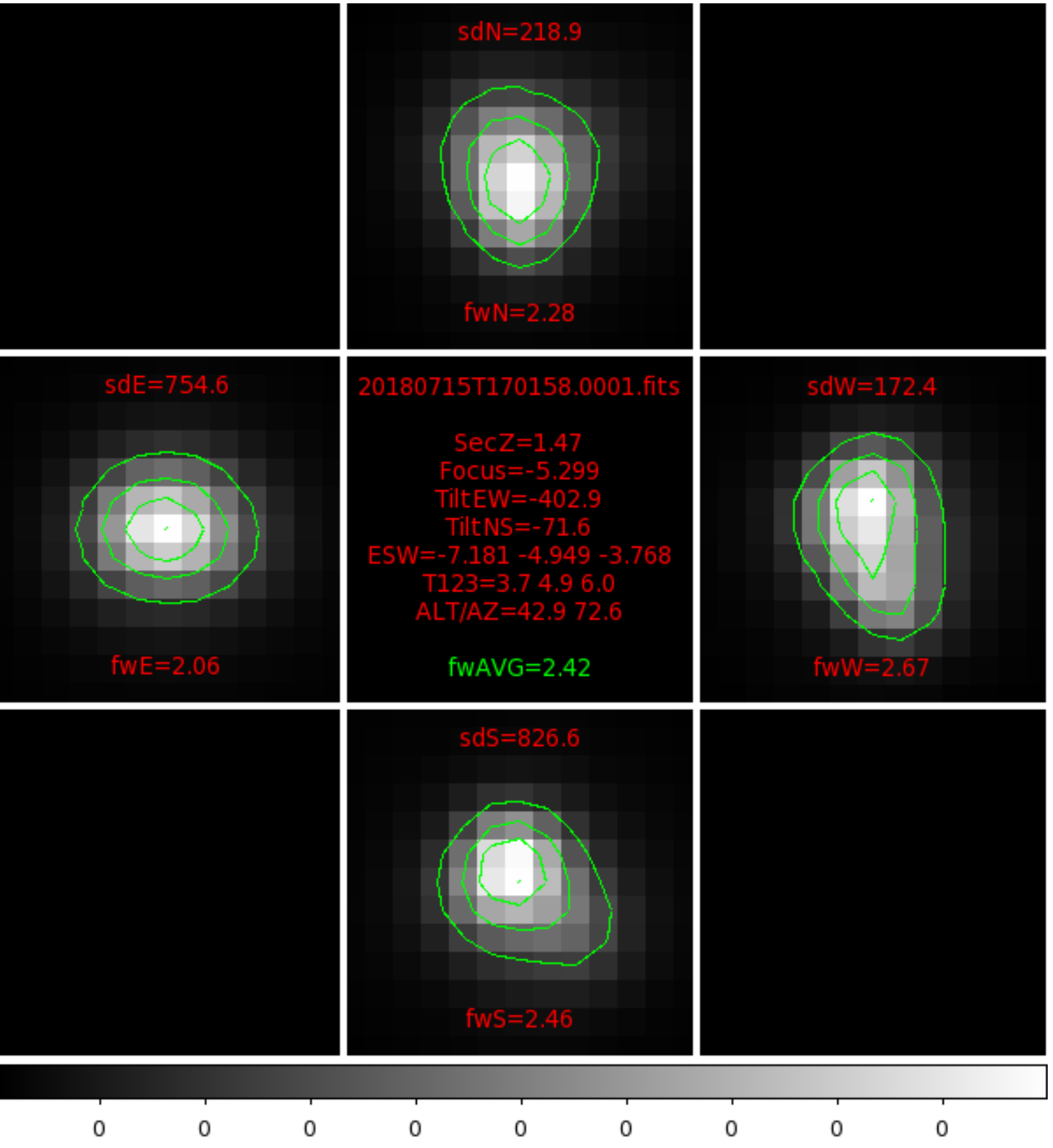
sdN=218.9
fwN=2.28
sdE=754.6
fwE=2.06
20180715T170158.0001.fits
SecZ=1.47
Focus=-5.299
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.181 -4.949 -3.768
T123=3.7 4.9 6.0
ALT/AZ=42.9 72.6
fwAVG=2.42
sdW=172.4
fwW=2.67
sdS=826.6
fwS=2.46
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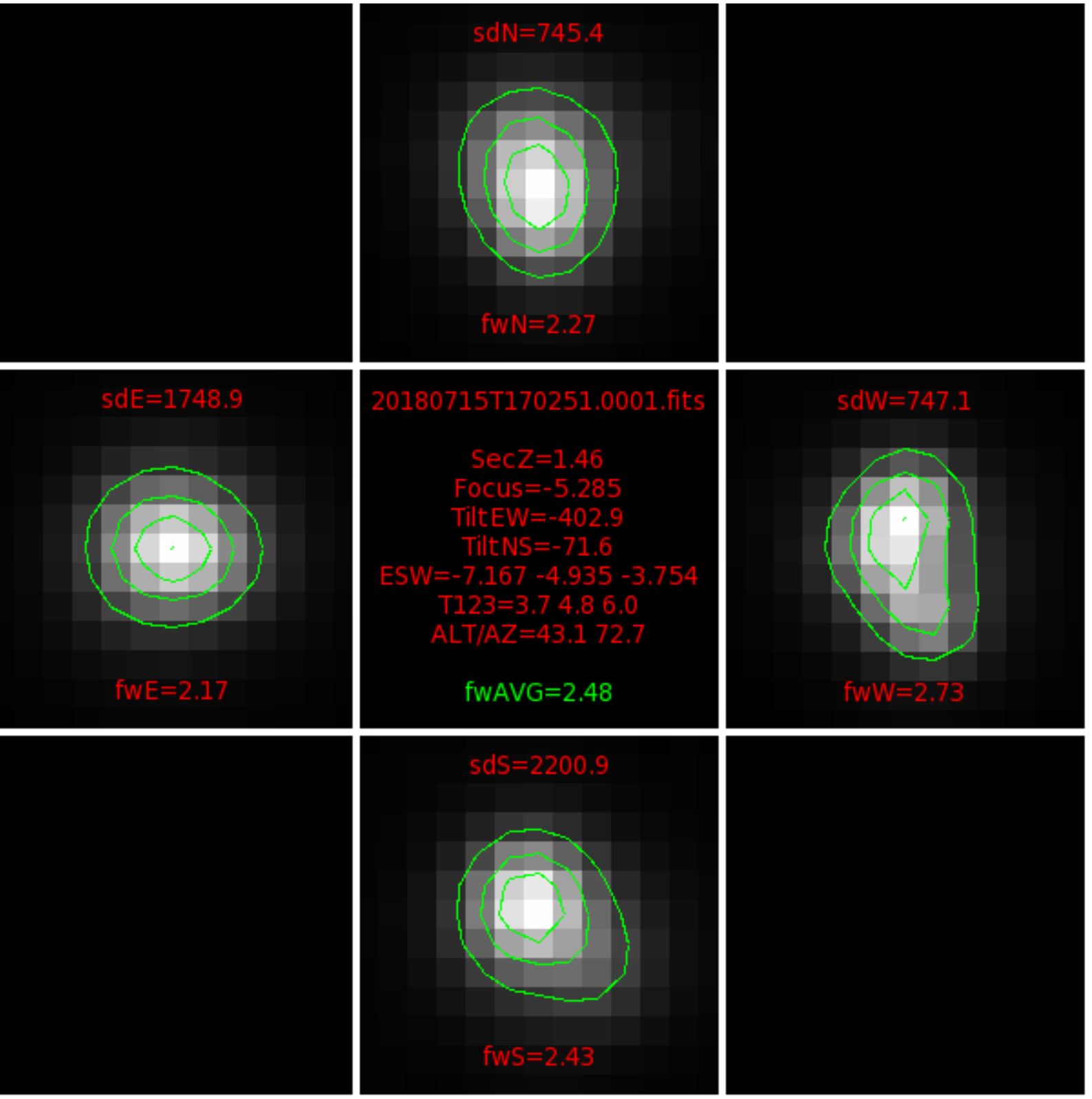
sdN=745.4
fwN=2.27
sdE=1748.9
fwE=2.17
20180715T170251.0001.fits
SecZ=1.46
Focus=-5.285
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.167 -4.935 -3.754
T123=3.7 4.8 6.0
ALT/AZ=43.1 72.7
fwAVG=2.48
sdW=747.1
fwW=2.73
sdS=2200.9
fwS=2.43
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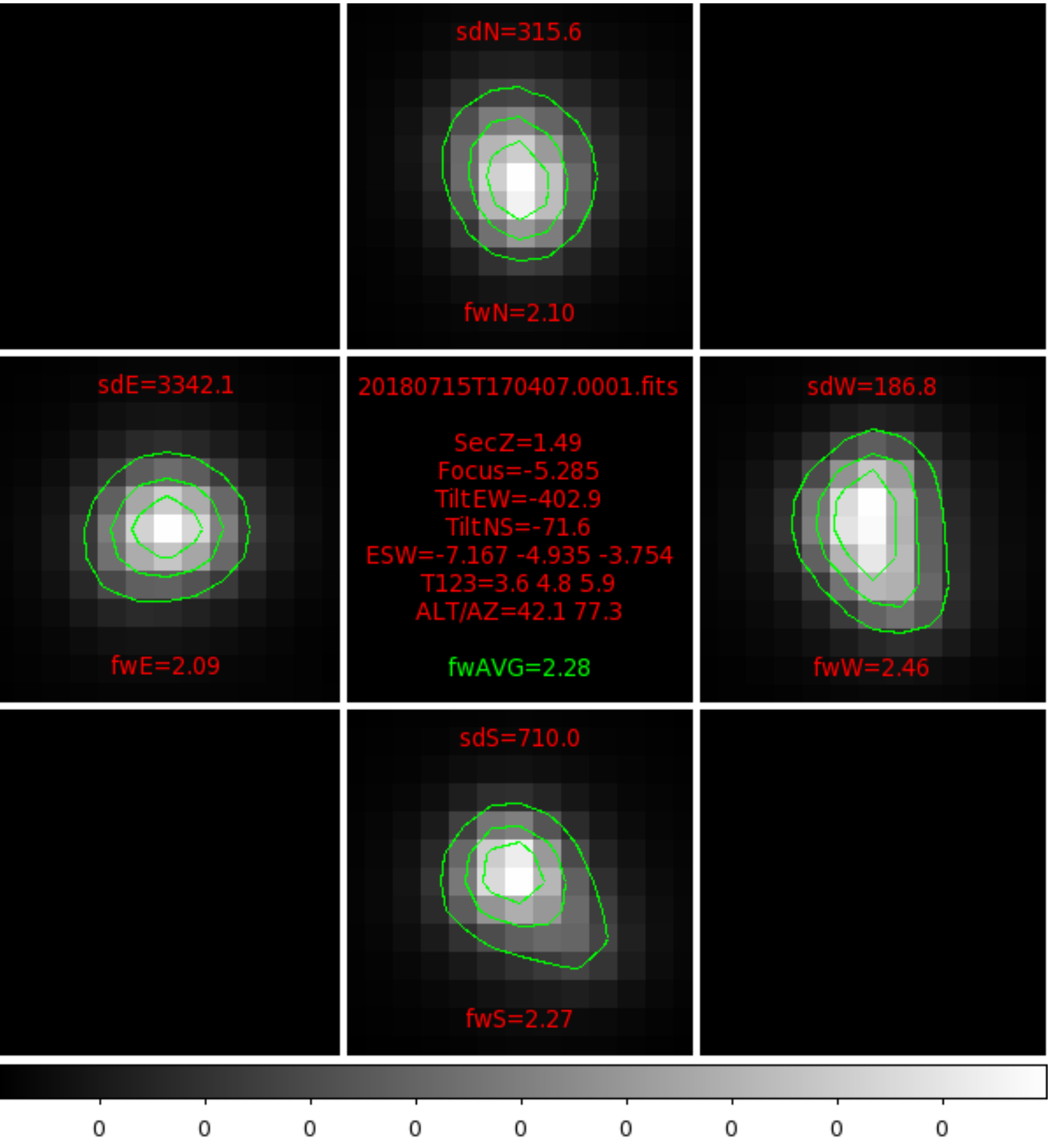
sdN=315.6
fwN=2.10
sdE=3342.1
fwE=2.09
20180715T170407.0001.fits
SecZ=1.49
Focus=-5.285
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.167 -4.935 -3.754
T123=3.6 4.8 5.9
ALT/AZ=42.1 77.3
fwAVG=2.28
sdW=186.8
fwW=2.46
sdS=710.0
fwS=2.27
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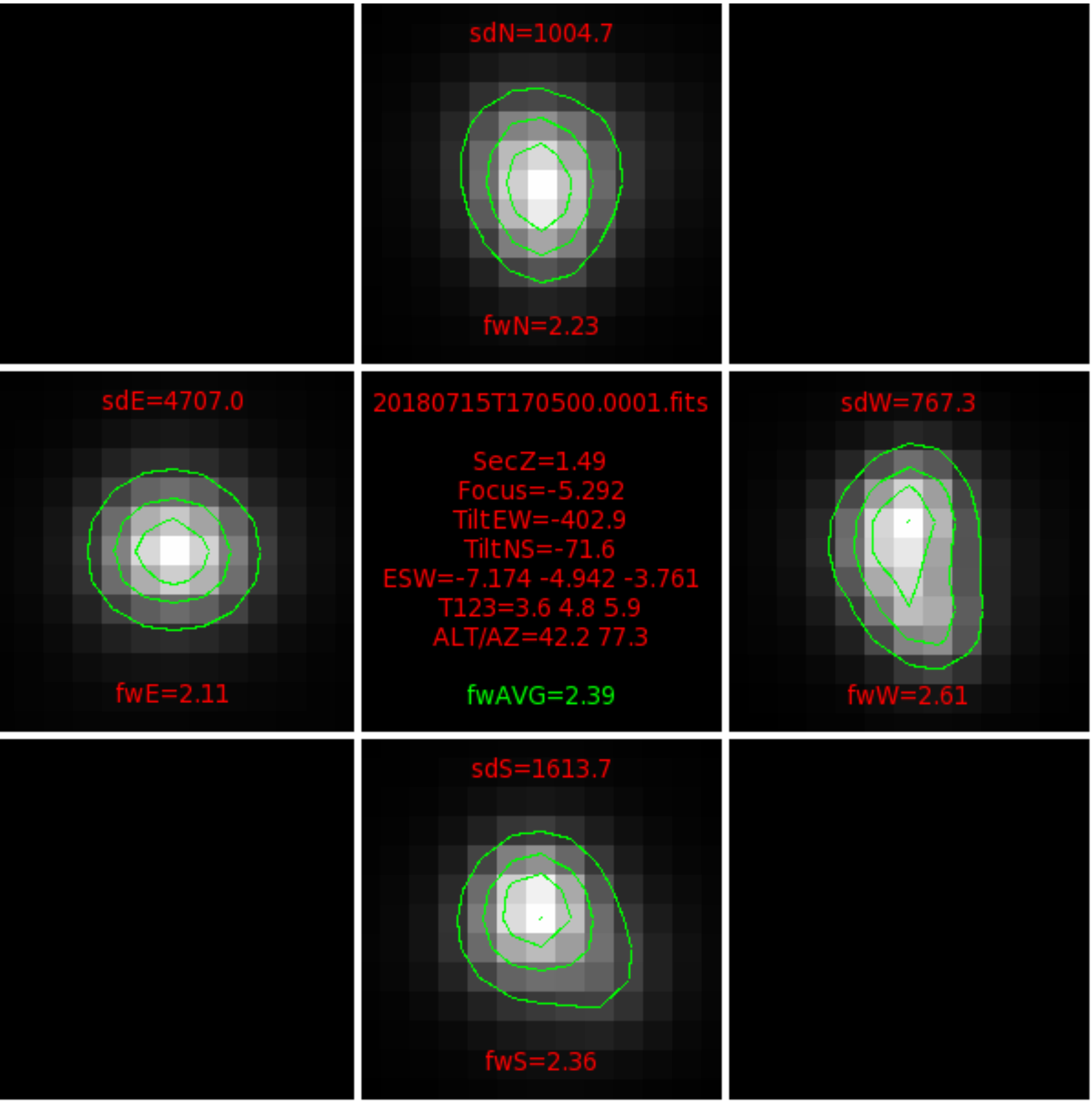
sdN=1004.7
fwN=2.23
sdE=4707.0
fwE=2.11
20180715T170500.0001.fits
SecZ=1.49
Focus=-5.292
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.174 -4.942 -3.761
T123=3.6 4.8 5.9
ALT/AZ=42.2 77.3
fwAVG=2.39
sdW=767.3
fwW=2.61
sdS=1613.7
fwS=2.36
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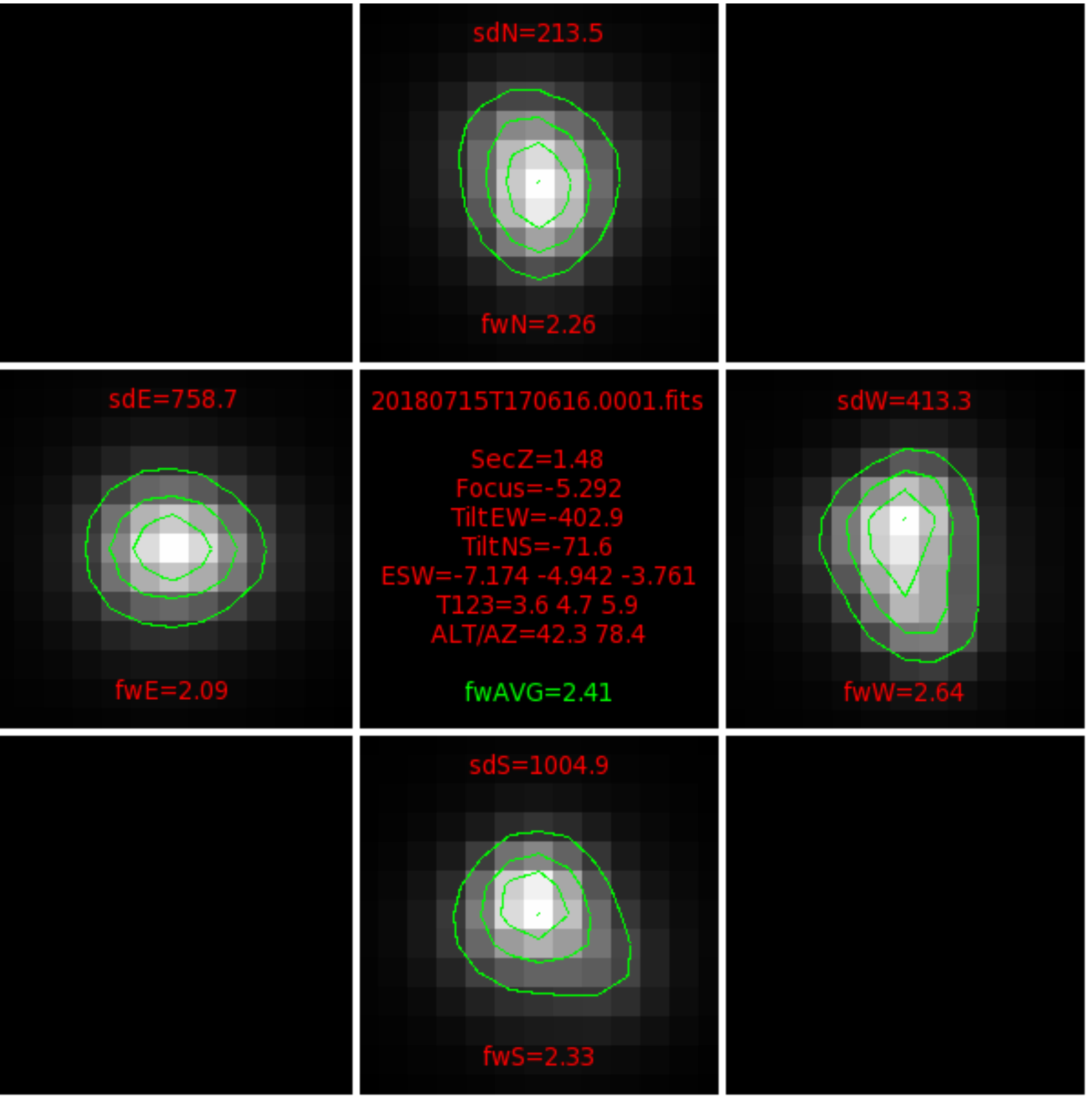
sdN=213.5
fwN=2.26
sdE=758.7
fwE=2.09
20180715T170616.0001.fits
SecZ=1.48
Focus=-5.292
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.174 -4.942 -3.761
T123=3.6 4.7 5.9
ALT/AZ=42.3 78.4
fwAVG=2.41
sdW=413.3
fwW=2.64
sdS=1004.9
fwS=2.33
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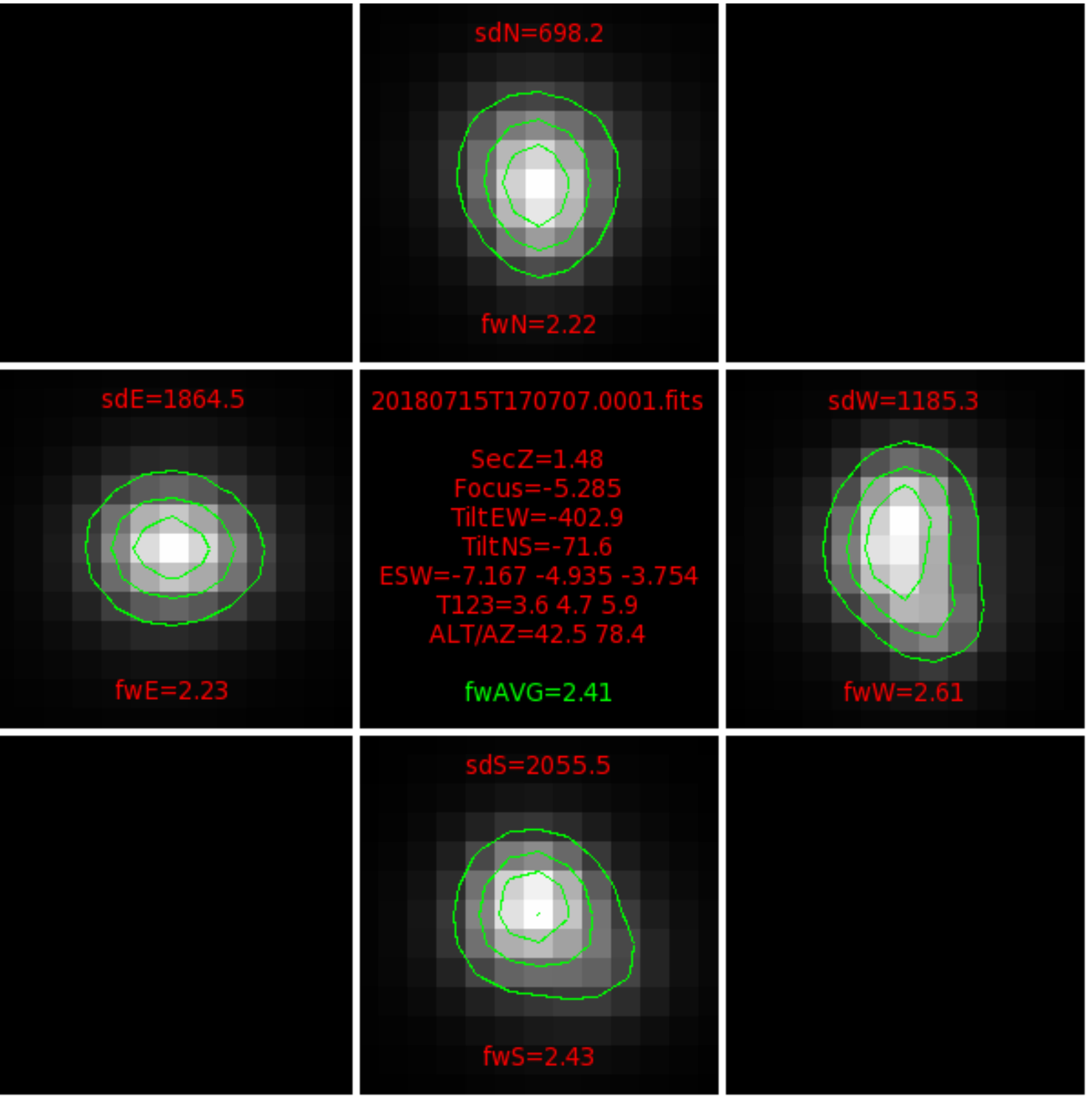
sdN=698.2
fwN=2.22
sdE=1864.5
fwE=2.23
20180715T170707.0001.fits
SecZ=1.48
Focus=-5.285
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.167 -4.935 -3.754
T123=3.6 4.7 5.9
ALT/AZ=42.5 78.4
fwAVG=2.41
sdW=1185.3
fwW=2.61
sdS=2055.5
fwS=2.43
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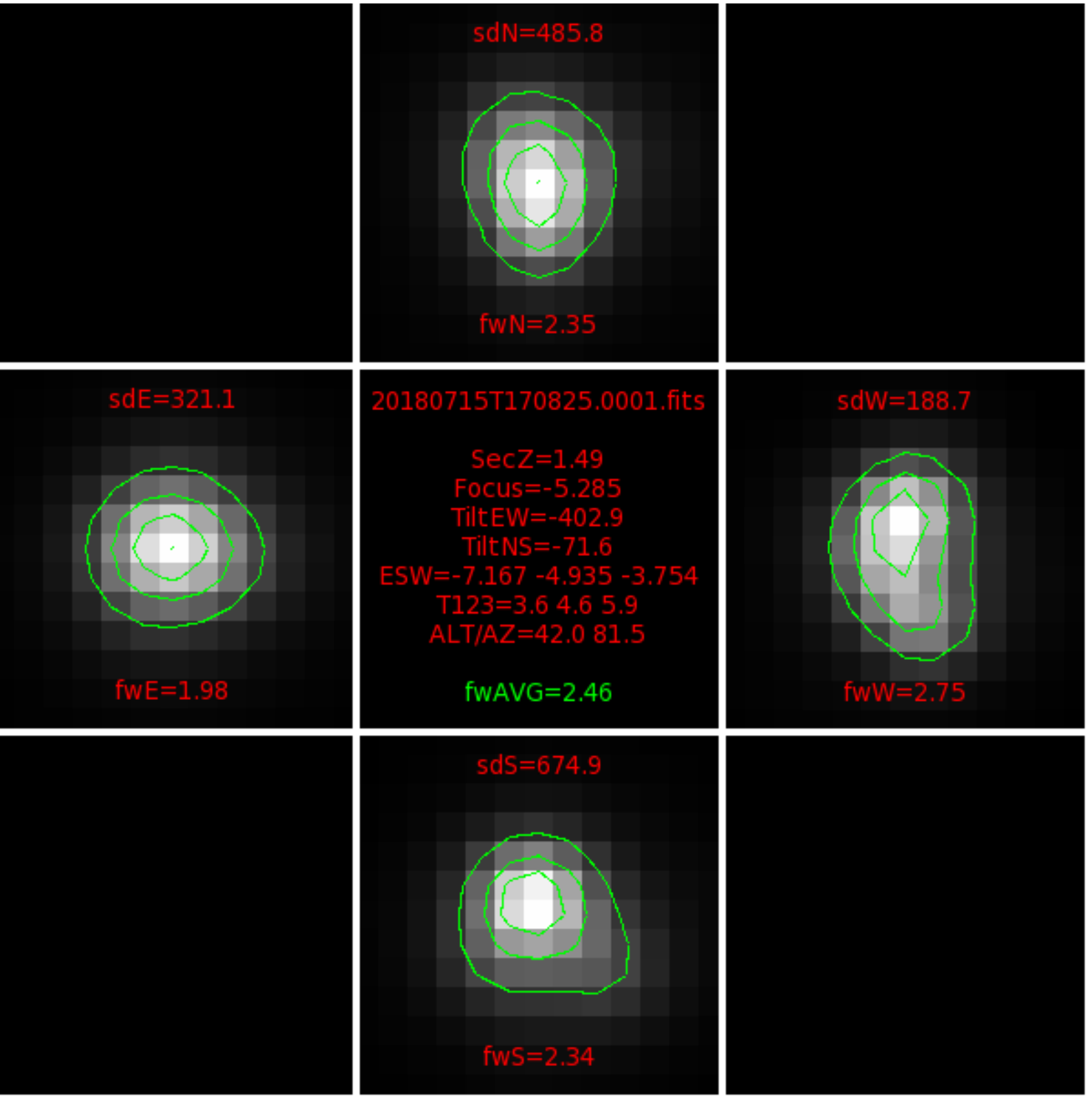
sdN=485.8
fwN=2.35
sdE=321.1
fwE=1.98
20180715T170825.0001.fits
SecZ=1.49
Focus=-5.285
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.167 -4.935 -3.754
T123=3.6 4.6 5.9
ALT/AZ=42.0 81.5
fwAVG=2.46
sdW=188.7
fwW=2.75
sdS=674.9
fwS=2.34
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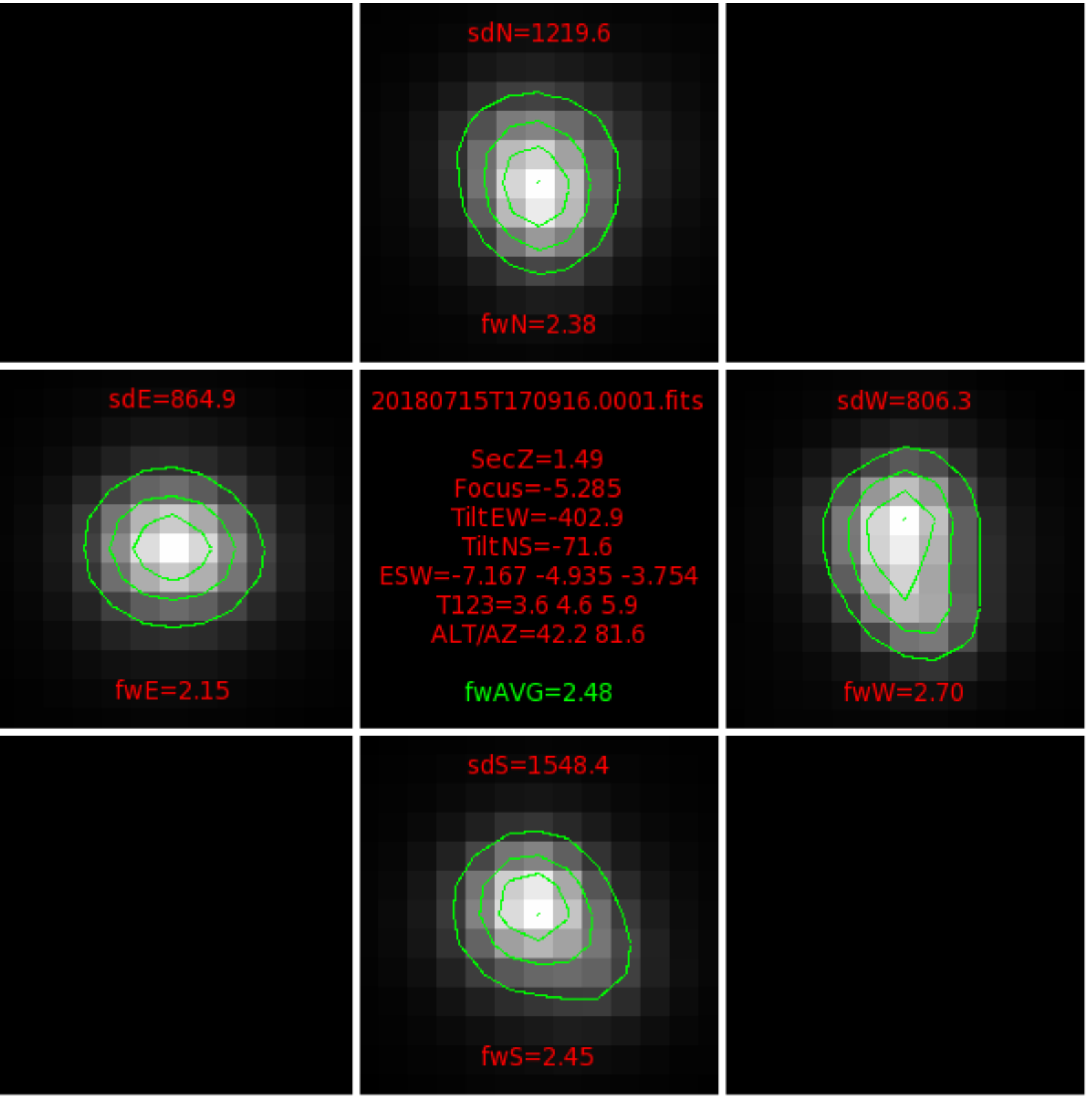
sdN=1219.6
fwN=2.38
sdE=864.9
fwE=2.15
20180715T170916.0001.fits
SecZ=1.49
Focus=-5.285
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.167 -4.935 -3.754
T123=3.6 4.6 5.9
ALT/AZ=42.2 81.6
fwAVG=2.48
sdW=806.3
fwW=2.70
sdS=1548.4
fwS=2.45
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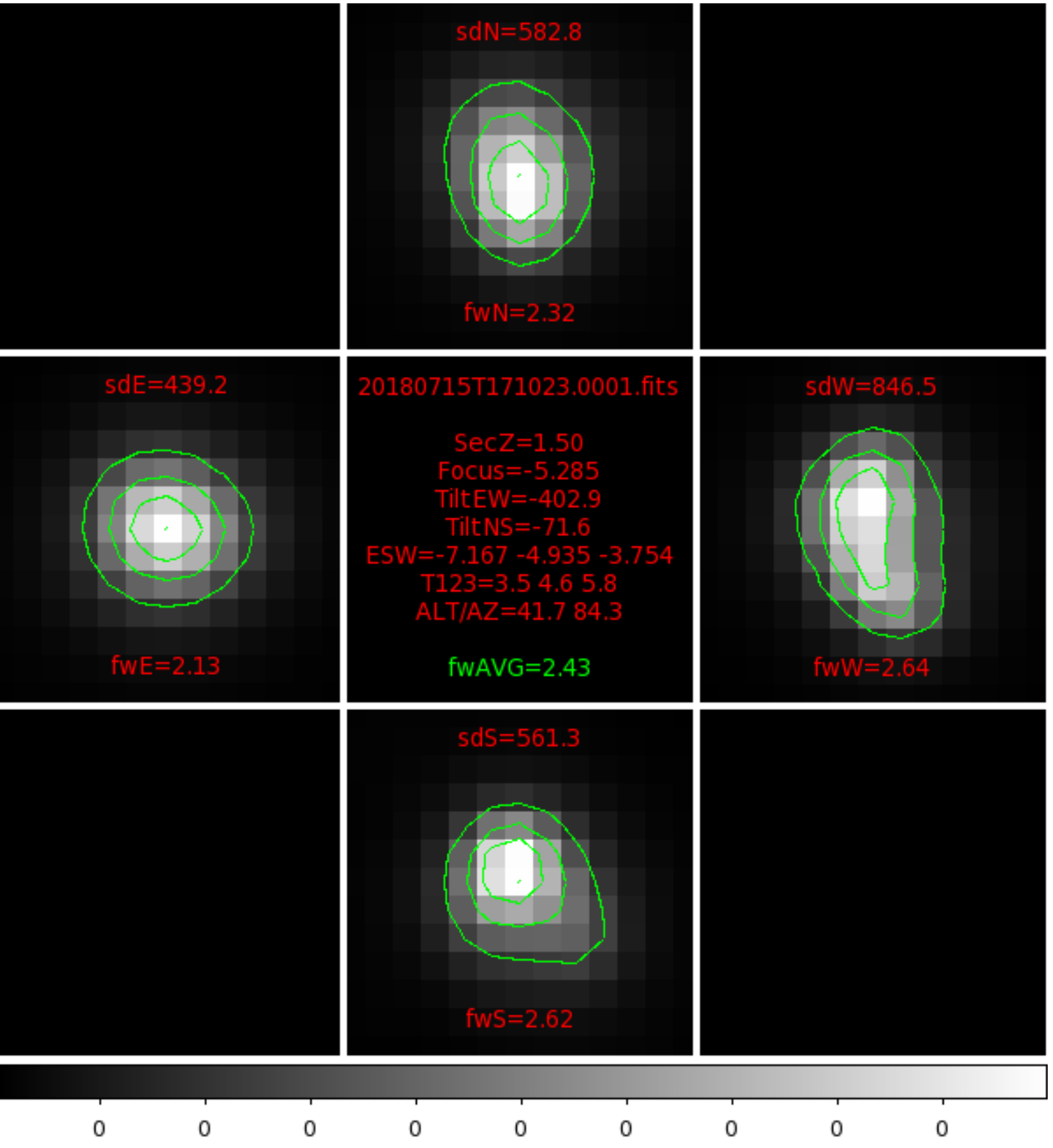
sdN=582.8
fwN=2.32
sdE=439.2
fwE=2.13
20180715T171023.0001.fits
SecZ=1.50
Focus=-5.285
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.167 -4.935 -3.754
T123=3.5 4.6 5.8
ALT/AZ=41.7 84.3
fwAVG=2.43
sdW=846.5
fwW=2.64
sdS=561.3
fwS=2.62
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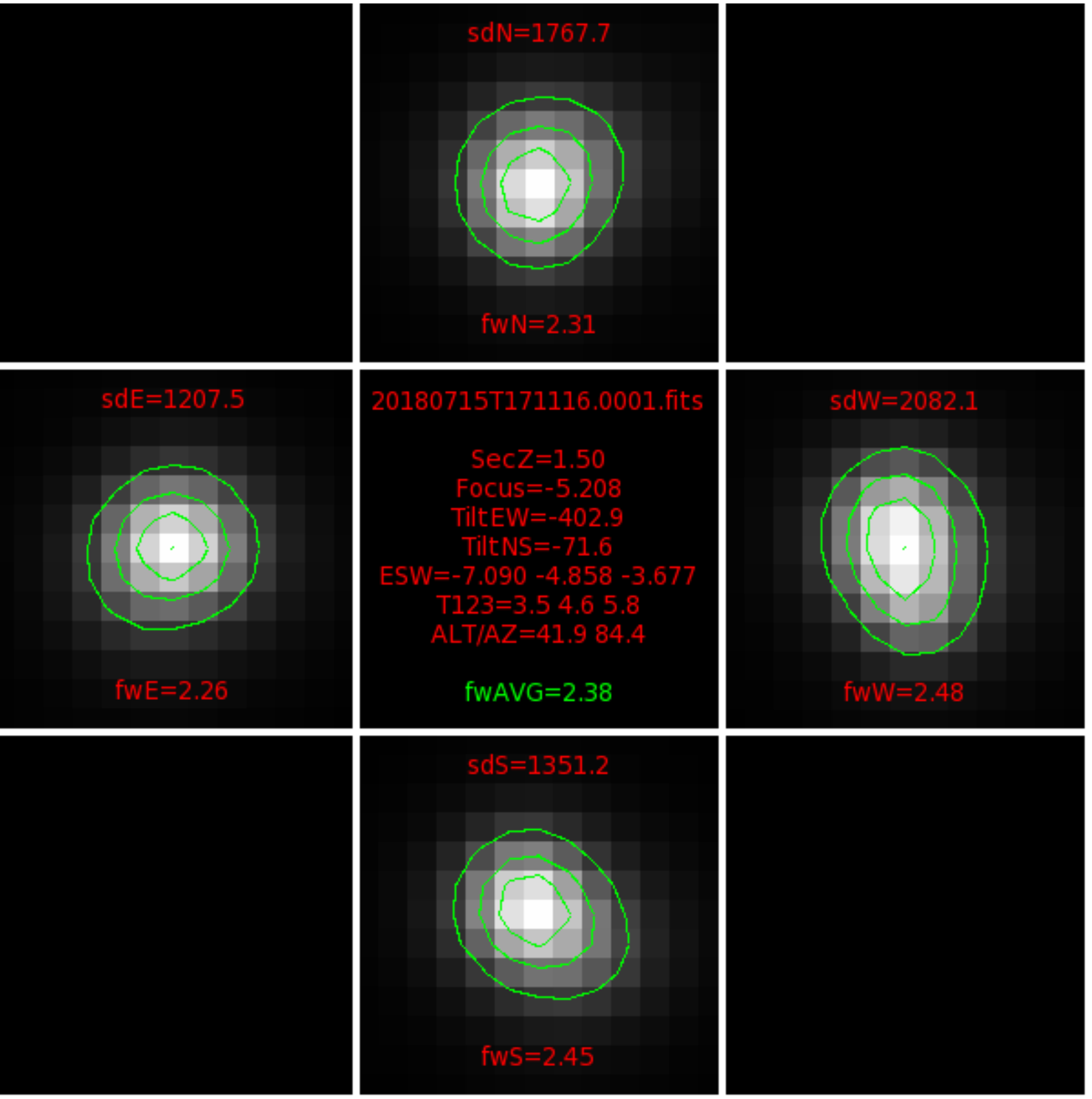
sdN=1767.7
fwN=2.31
sdE=1207.5
fwE=2.26
20180715T171116.0001.fits
SecZ=1.50
Focus=-5.208
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.090 -4.858 -3.677
T123=3.5 4.6 5.8
ALT/AZ=41.9 84.4
fwAVG=2.38
sdW=2082.1
fwW=2.48
sdS=1351.2
fwS=2.45
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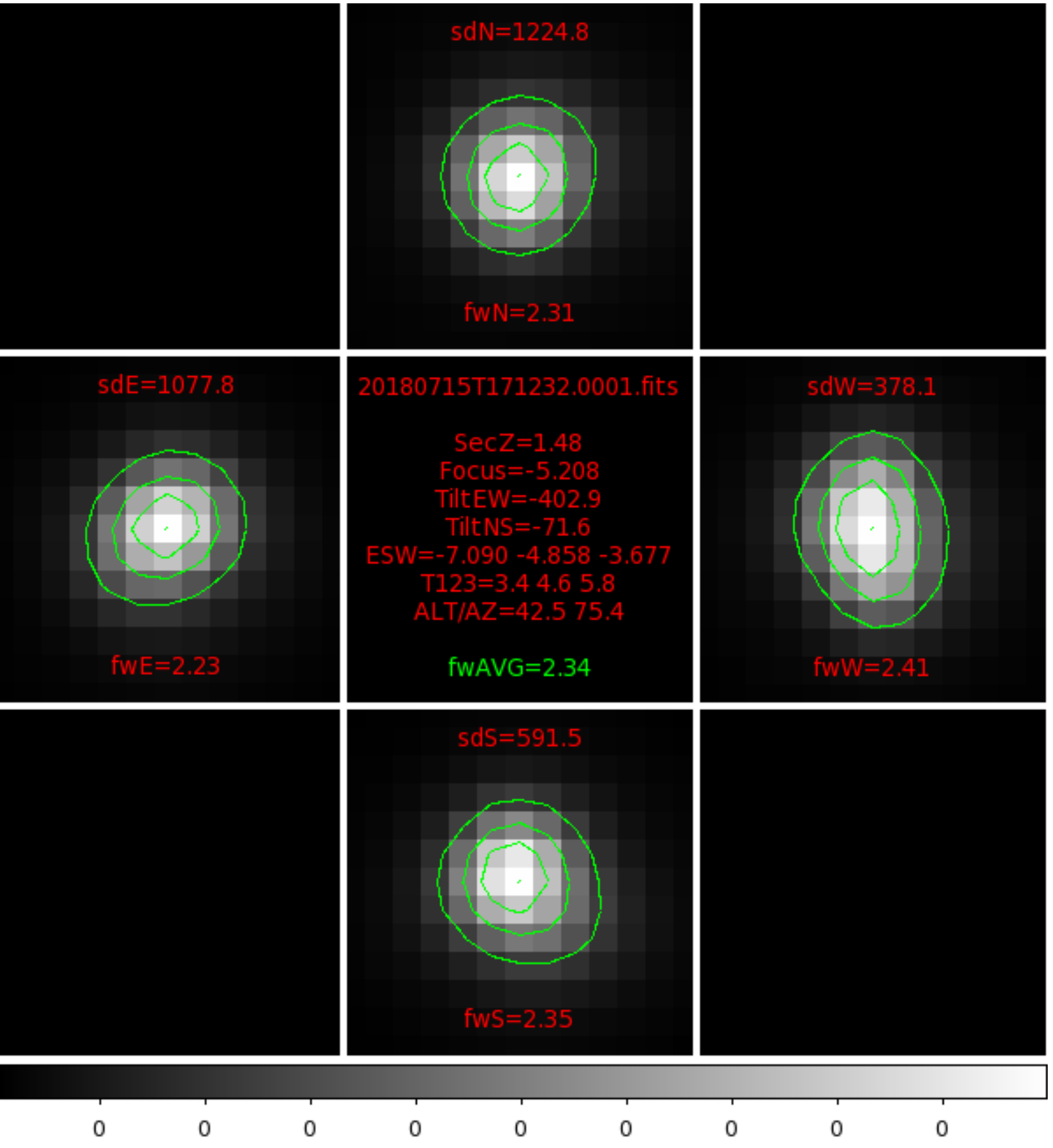
sdN=1224.8
fwN=2.31
sdE=1077.8
fwE=2.23
20180715T171232.0001.fits
SecZ=1.48
Focus=-5.208
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.090 -4.858 -3.677
T123=3.4 4.6 5.8
ALT/AZ=42.5 75.4
fwAVG=2.34
sdW=378.1
fwW=2.41
sdS=591.5
fwS=2.35
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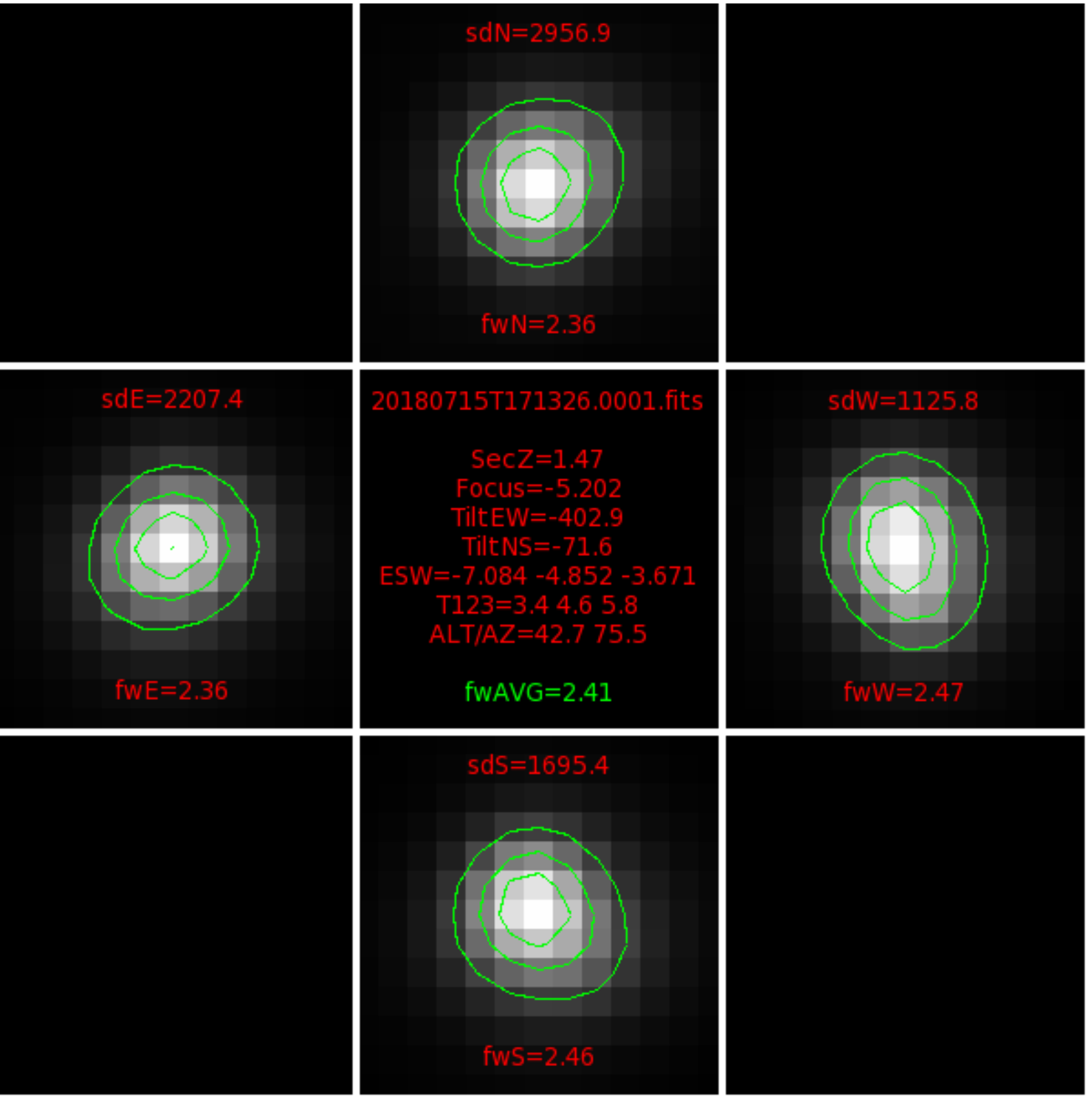
sdN=2956.9
fwN=2.36
sdE=2207.4
fwE=2.36
20180715T171326.0001.fits
SecZ=1.47
Focus=-5.202
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.084 -4.852 -3.671
T123=3.4 4.6 5.8
ALT/AZ=42.7 75.5
fwAVG=2.41
sdW=1125.8
fwW=2.47
sdS=1695.4
fwS=2.46
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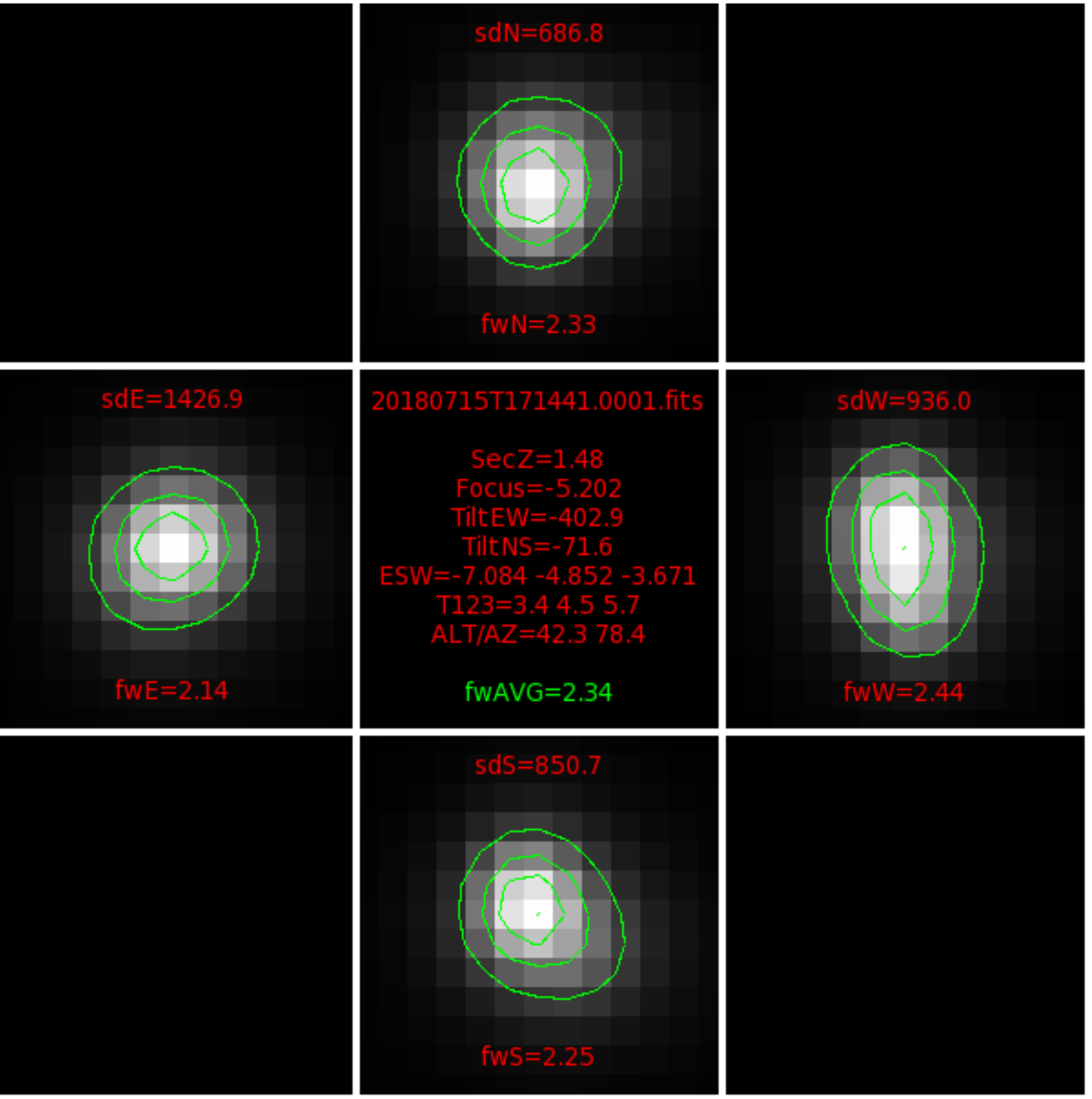
sdN=686.8
fwN=2.33
sdE=1426.9
fwE=2.14
20180715T171441.0001.fits
SecZ=1.48
Focus=-5.202
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.084 -4.852 -3.671
T123=3.4 4.5 5.7
ALT/AZ=42.3 78.4
fwAVG=2.34
sdW=936.0
fwW=2.44
sdS=850.7
fwS=2.25
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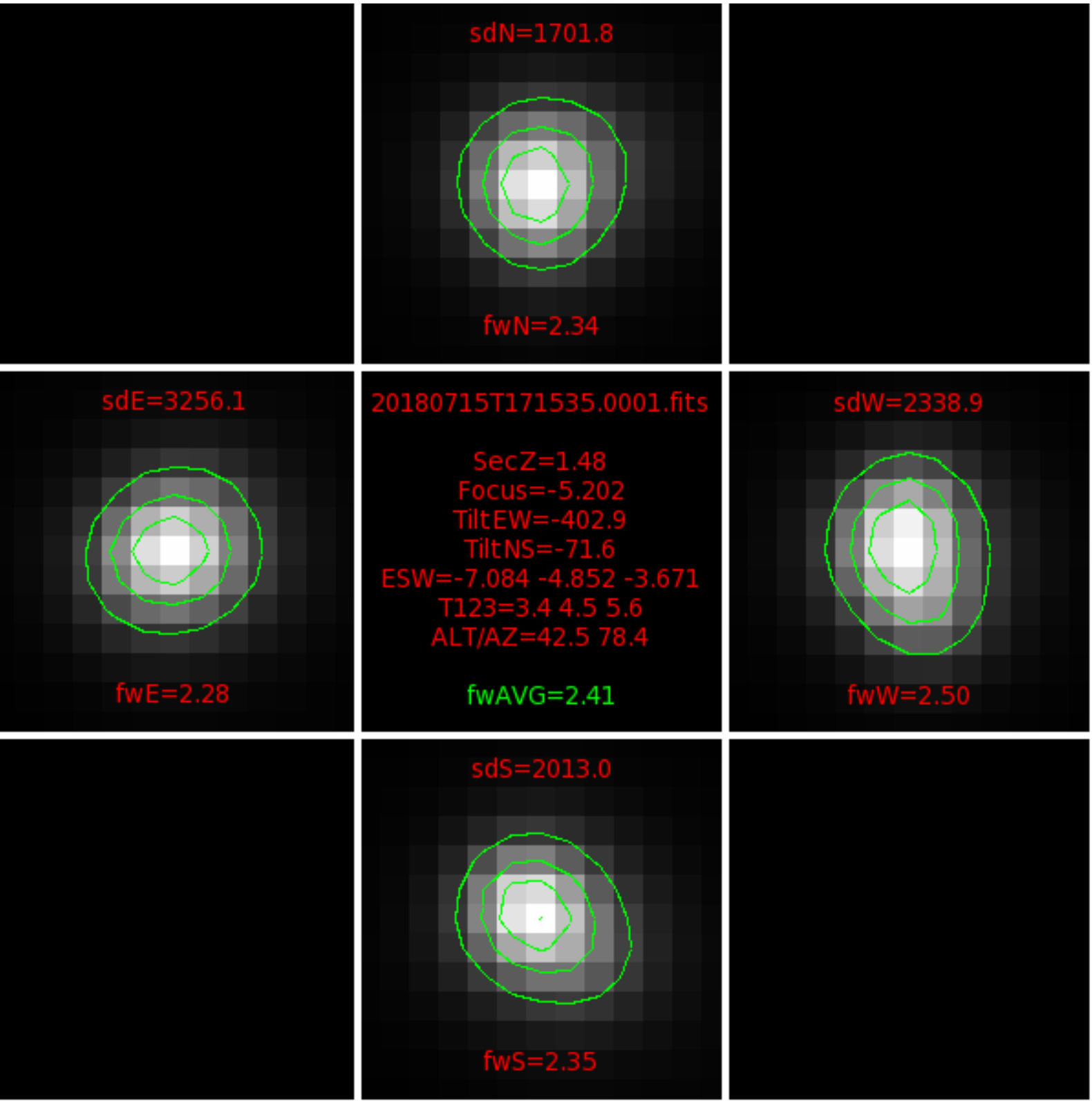
sdN=1701.8
fwN=2.34
sdE=3256.1
fwE=2.28
20180715T171535.0001.fits
SecZ=1.48
Focus=-5.202
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.084 -4.852 -3.671
T123=3.4 4.5 5.6
ALT/AZ=42.5 78.4
fwAVG=2.41
sdW=2338.9
fwW=2.50
sdS=2013.0
fwS=2.35
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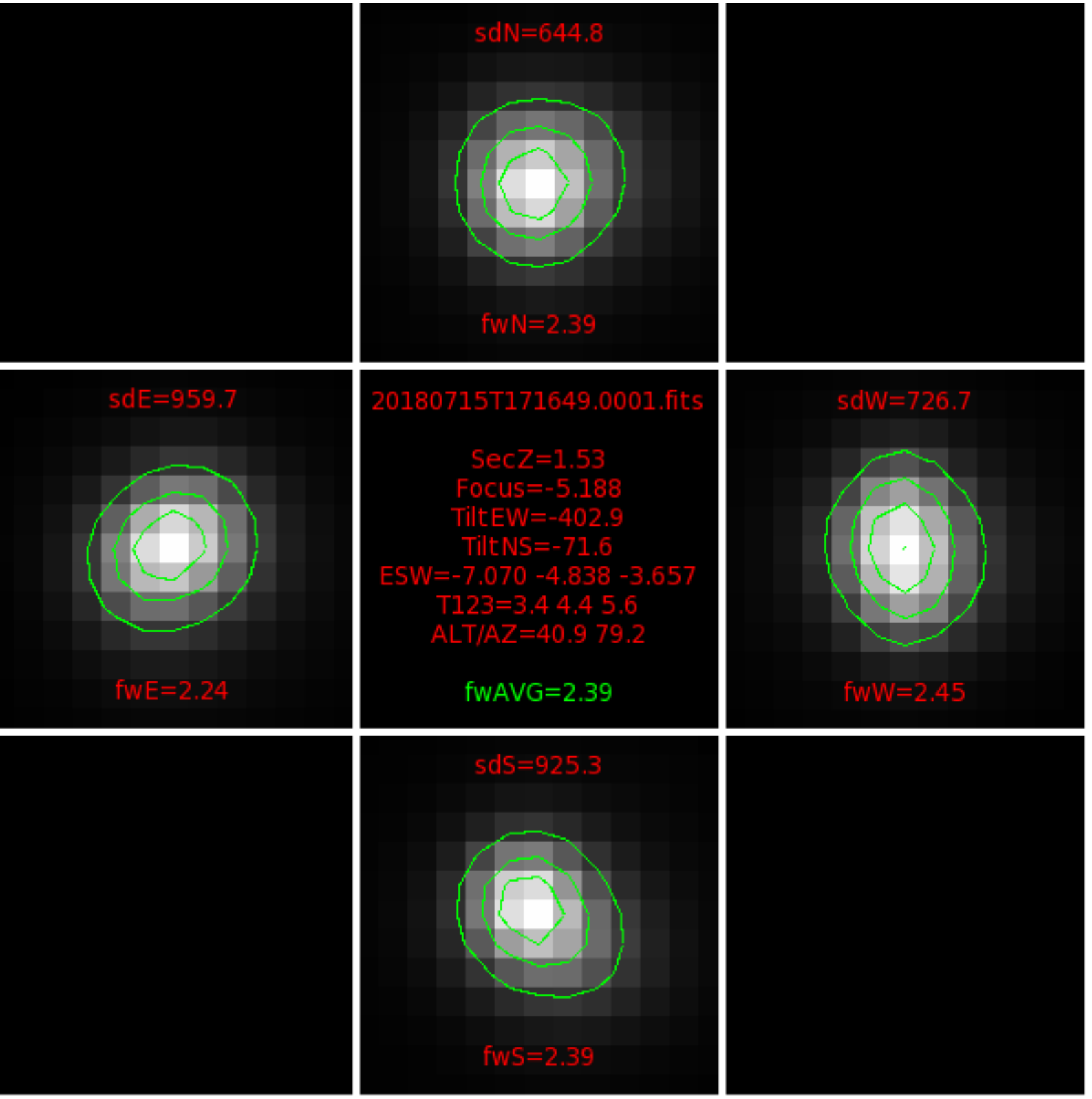
sdN=644.8
fwN=2.39
sdE=959.7
fwE=2.24
20180715T171649.0001.fits
SecZ=1.53
Focus=-5.188
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.070 -4.838 -3.657
T123=3.4 4.4 5.6
ALT/AZ=40.9 79.2
fwAVG=2.39
sdW=726.7
fwW=2.45
sdS=925.3
fwS=2.39
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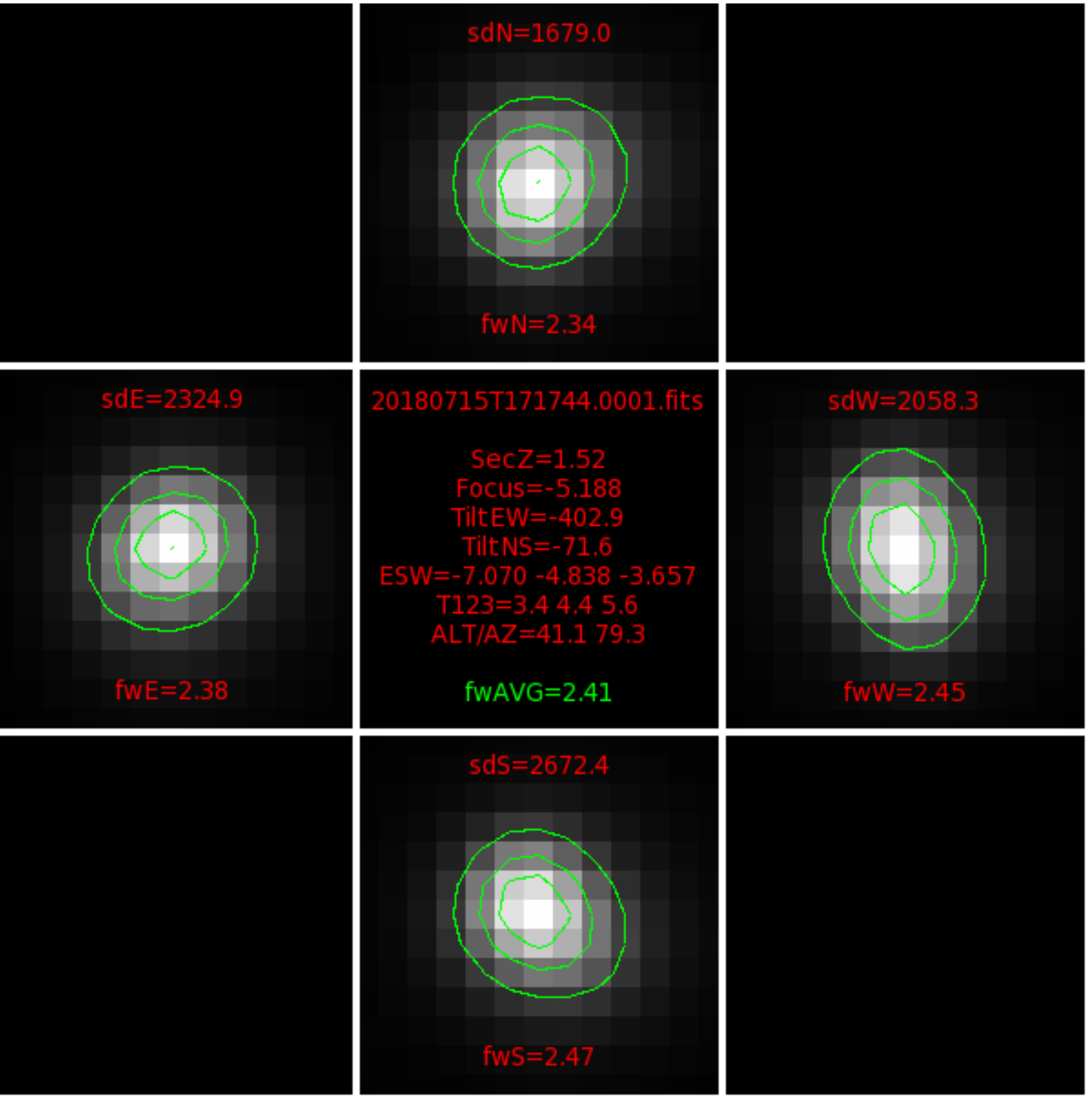
sdN=1679.0
fwN=2.34
sdE=2324.9
fwE=2.38
20180715T171744.0001.fits
SecZ=1.52
Focus=-5.188
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.070 -4.838 -3.657
T123=3.4 4.4 5.6
ALT/AZ=41.1 79.3
fwAVG=2.41
sdW=2058.3
fwW=2.45
sdS=2672.4
fwS=2.47
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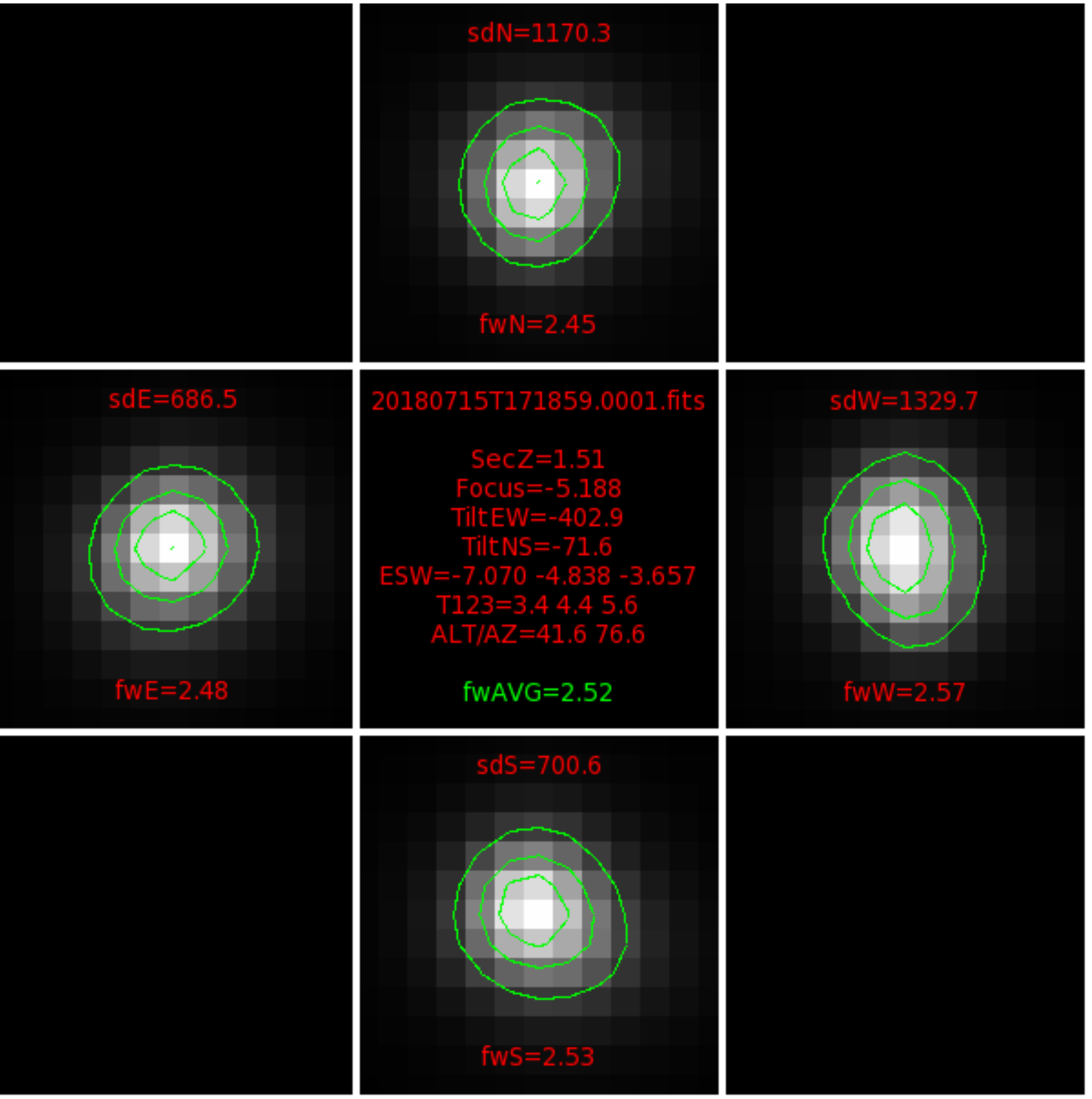
sdN=1170.3
fwN=2.45
sdE=686.5
fwE=2.48
20180715T171859.0001.fits
SecZ=1.51
Focus=-5.188
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.070 -4.838 -3.657
T123=3.4 4.4 5.6
ALT/AZ=41.6 76.6
fwAVG=2.52
sdW=1329.7
fwW=2.57
sdS=700.6
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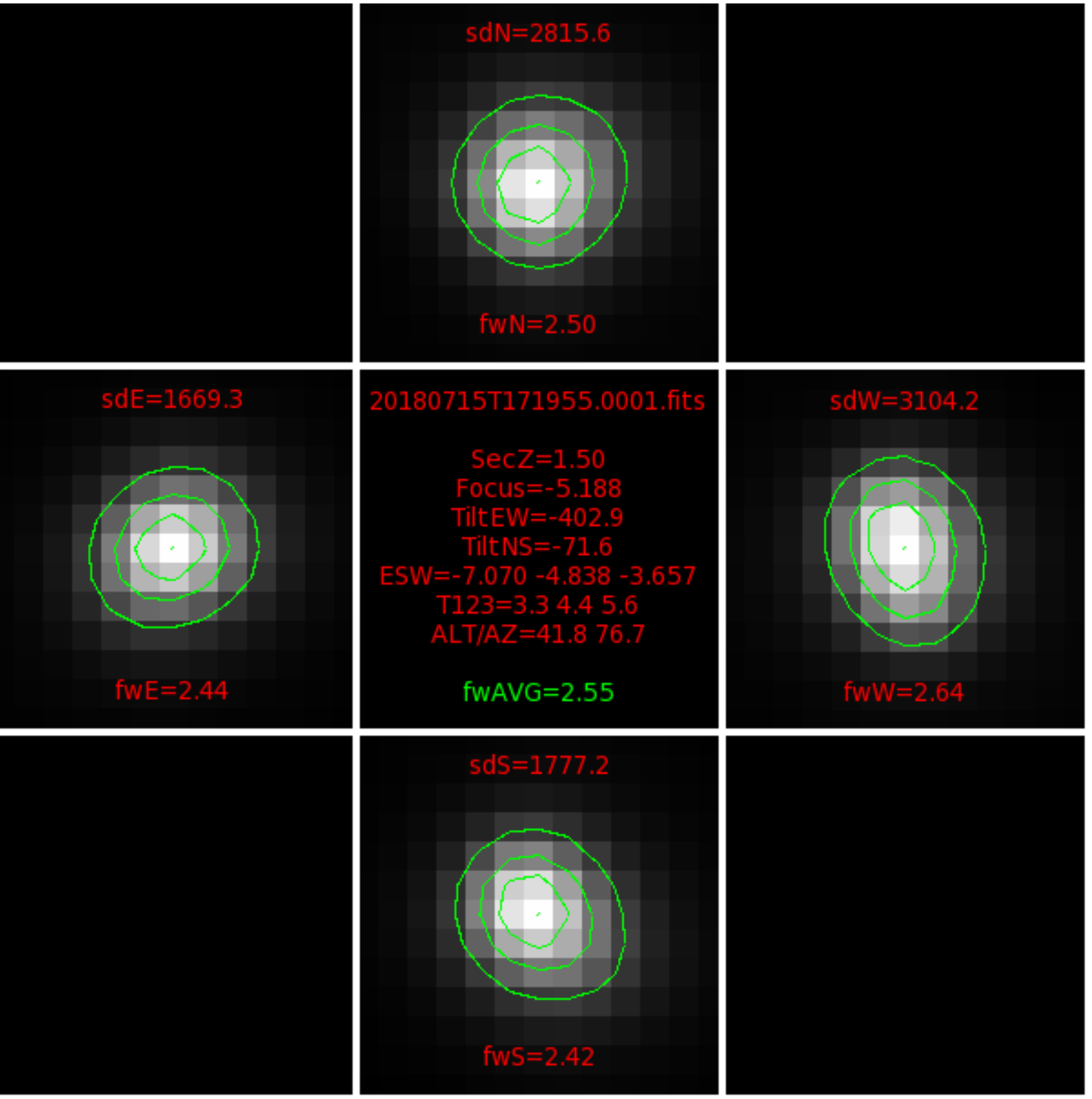
sdN=2815.6
fwN=2.50
sdE=1669.3
fwE=2.44
20180715T171955.0001.fits
SecZ=1.50
Focus=-5.188
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.070 -4.838 -3.657
T123=3.3 4.4 5.6
ALT/AZ=41.8 76.7
fwAVG=2.55
sdW=3104.2
fwW=2.64
sdS=1777.2
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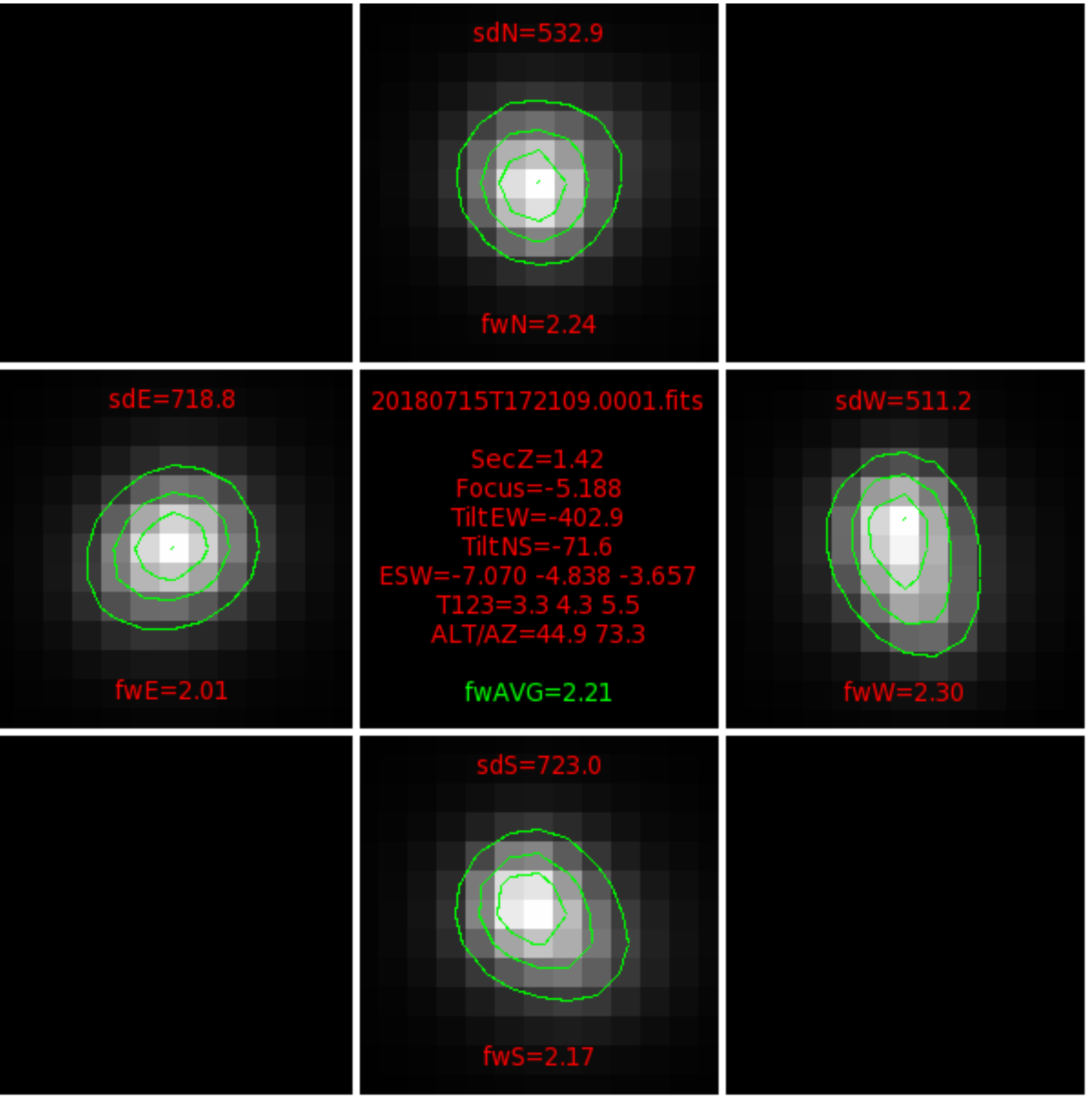
sdN=532.9
fwN=2.24
sdE=718.8
fwE=2.01
20180715T172109.0001.fits
SecZ=1.42
Focus=-5.188
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.070 -4.838 -3.657
T123=3.3 4.3 5.5
ALT/AZ=44.9 73.3
fwAVG=2.21
sdW=511.2
fwW=2.30
sdS=723.0
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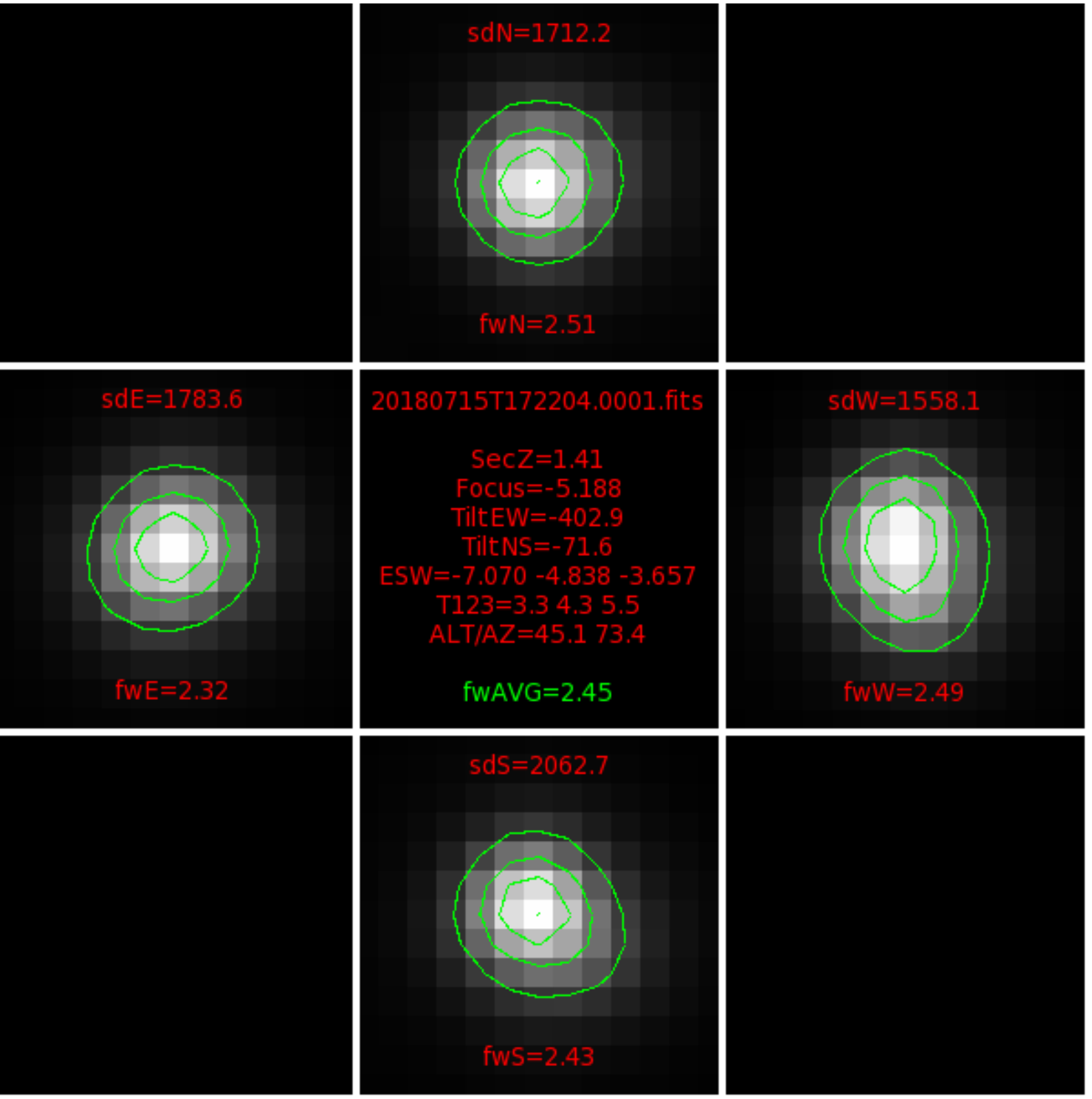
sdN=1712.2
fwN=2.51
sdE=1783.6
fwE=2.32
20180715T172204.0001.fits
SecZ=1.41
Focus=-5.188
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.070 -4.838 -3.657
T123=3.3 4.3 5.5
ALT/AZ=45.1 73.4
fwAVG=2.45
sdW=1558.1
fwW=2.49
sdS=2062.7
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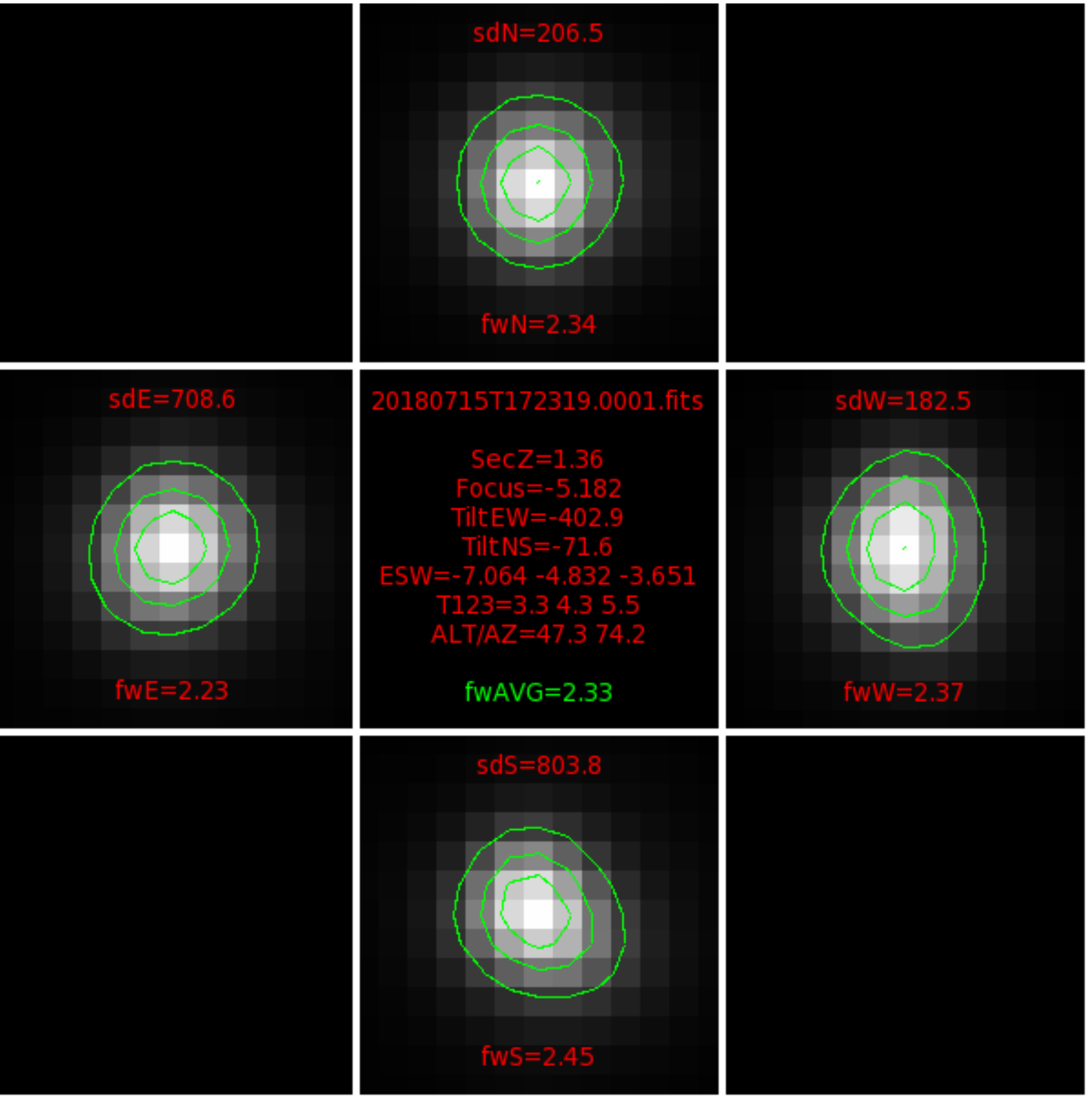
sdN=206.5
fwN=2.34
sdE=708.6
fwE=2.23
20180715T172319.0001.fits
SecZ=1.36
Focus=-5.182
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.064 -4.832 -3.651
T123=3.3 4.3 5.5
ALT/AZ=47.3 74.2
fwAVG=2.33
sdW=182.5
fwW=2.37
sdS=803.8
fwS=2.45
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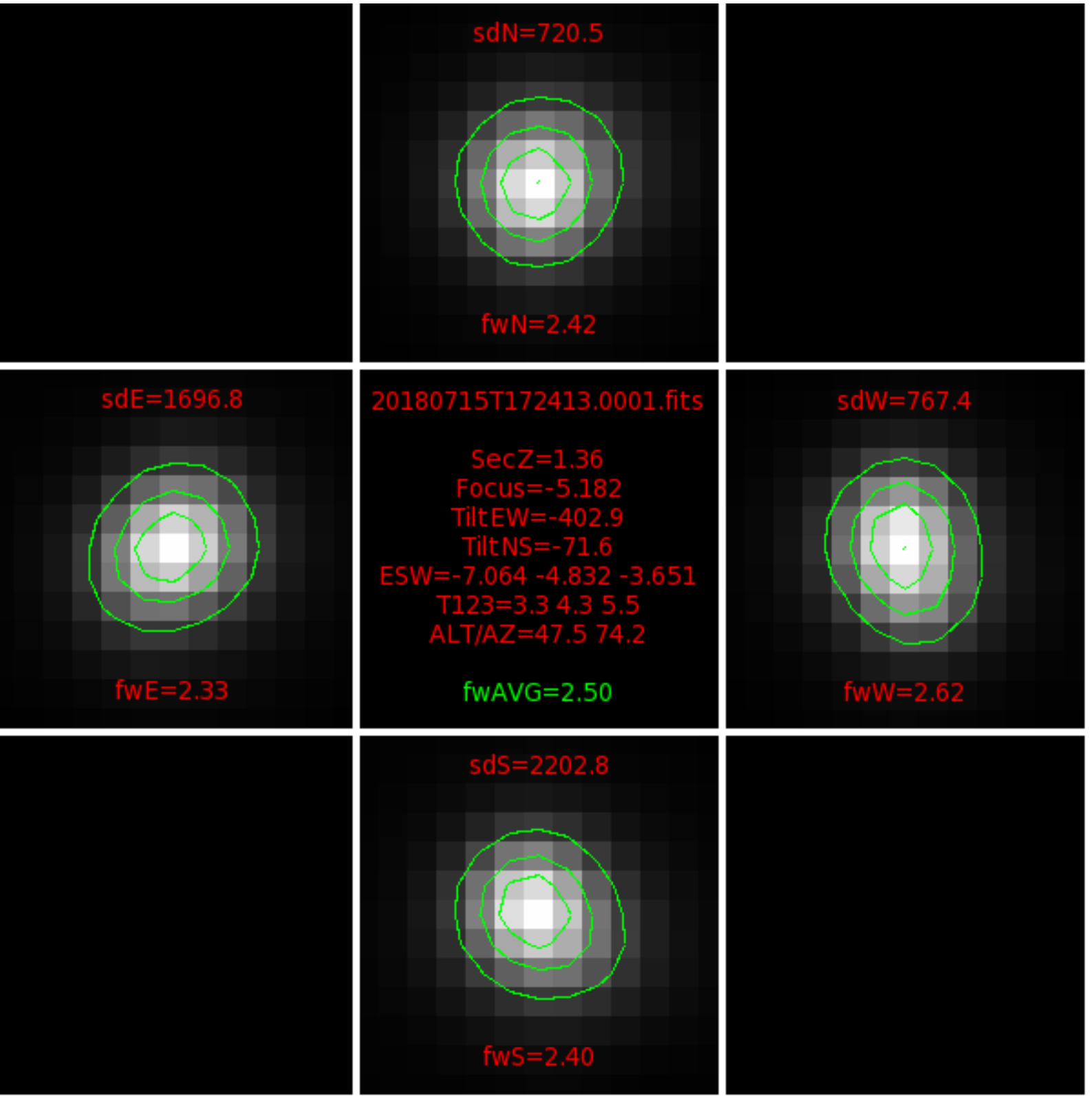
sdN=720.5
fwN=2.42
sdE=1696.8
fwE=2.33
20180715T172413.0001.fits
SecZ=1.36
Focus=-5.182
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.064 -4.832 -3.651
T123=3.3 4.3 5.5
ALT/AZ=47.5 74.2
fwAVG=2.50
sdW=767.4
fwW=2.62
sdS=2202.8
fwS=2.40
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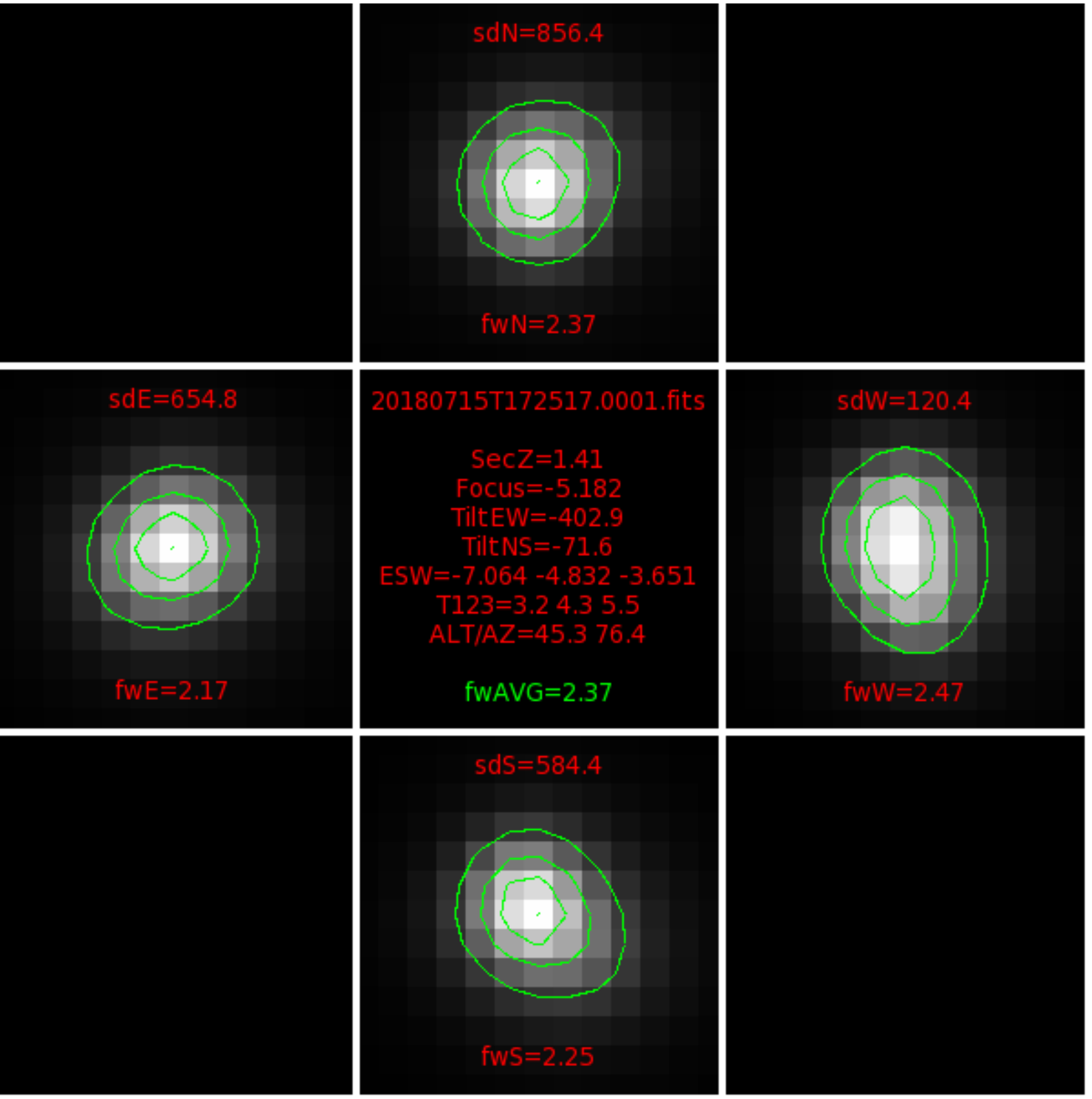
sdN=856.4
fwN=2.37
sdE=654.8
fwE=2.17
20180715T172517.0001.fits
SecZ=1.41
Focus=-5.182
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.064 -4.832 -3.651
T123=3.2 4.3 5.5
ALT/AZ=45.3 76.4
fwAVG=2.37
sdW=120.4
fwW=2.47
sdS=584.4
fwS=2.25
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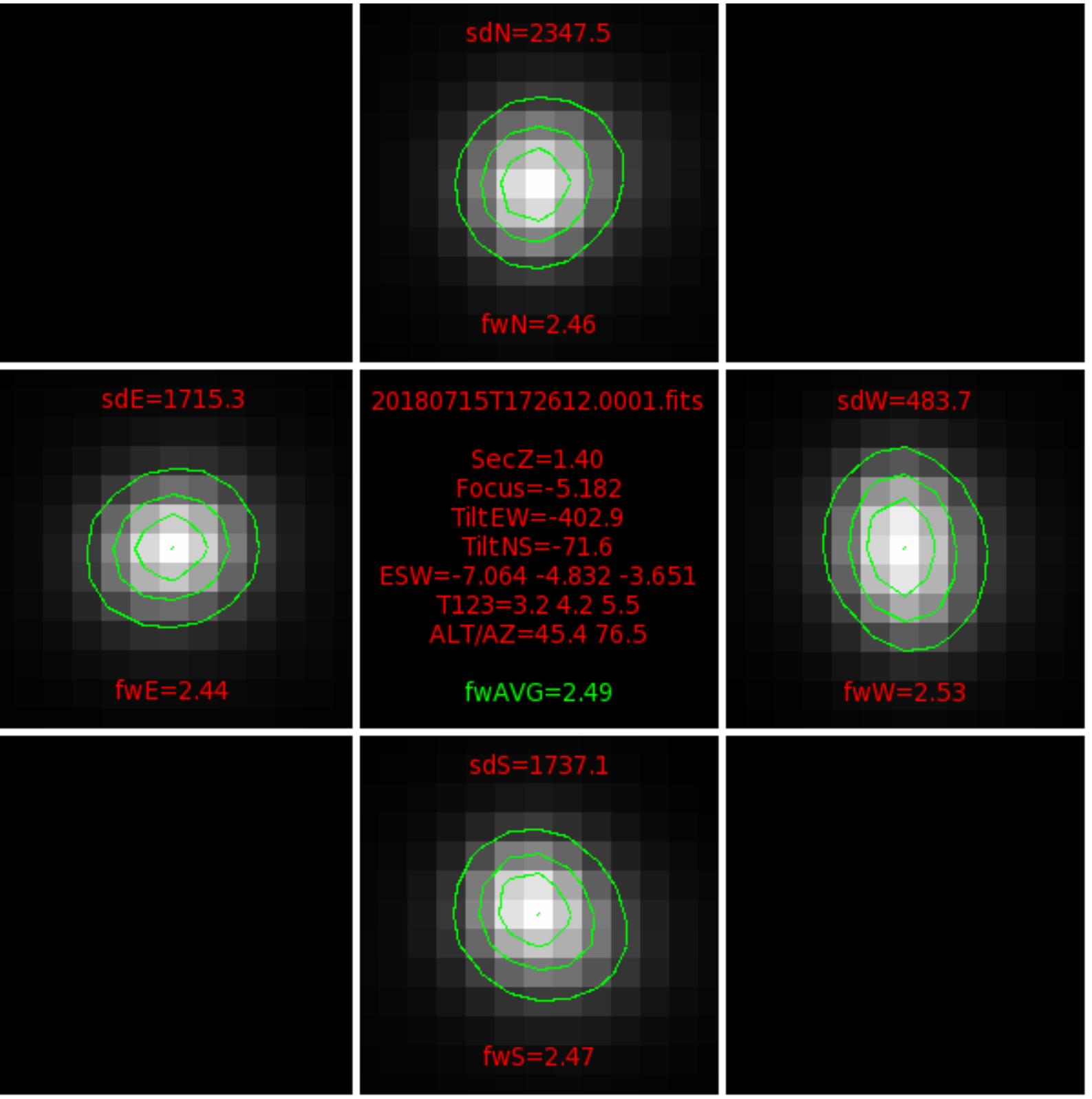
sdN=2347.5
fwN=2.46
sdE=1715.3
fwE=2.44
20180715T172612.0001.fits
SecZ=1.40
Focus=-5.182
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.064 -4.832 -3.651
T123=3.2 4.2 5.5
ALT/AZ=45.4 76.5
fwAVG=2.49
sdW=483.7
fwW=2.53
sdS=1737.1
fwS=2.47
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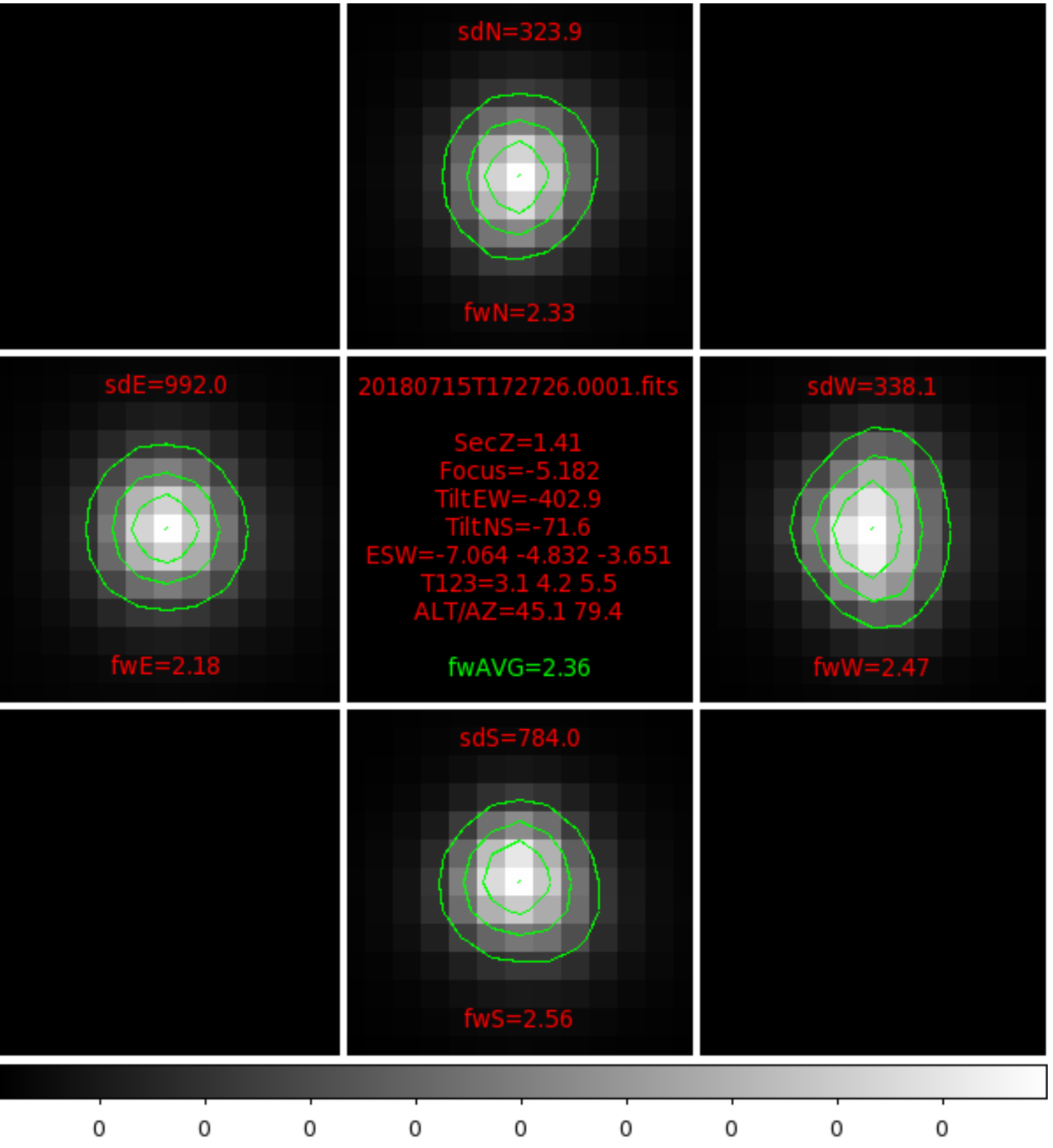
sdN=323.9
fwN=2.33
sdE=992.0
fwE=2.18
20180715T172726.0001.fits
SecZ=1.41
Focus=-5.182
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.064 -4.832 -3.651
T123=3.1 4.2 5.5
ALT/AZ=45.1 79.4
fwAVG=2.36
sdW=338.1
fwW=2.47
sdS=784.0
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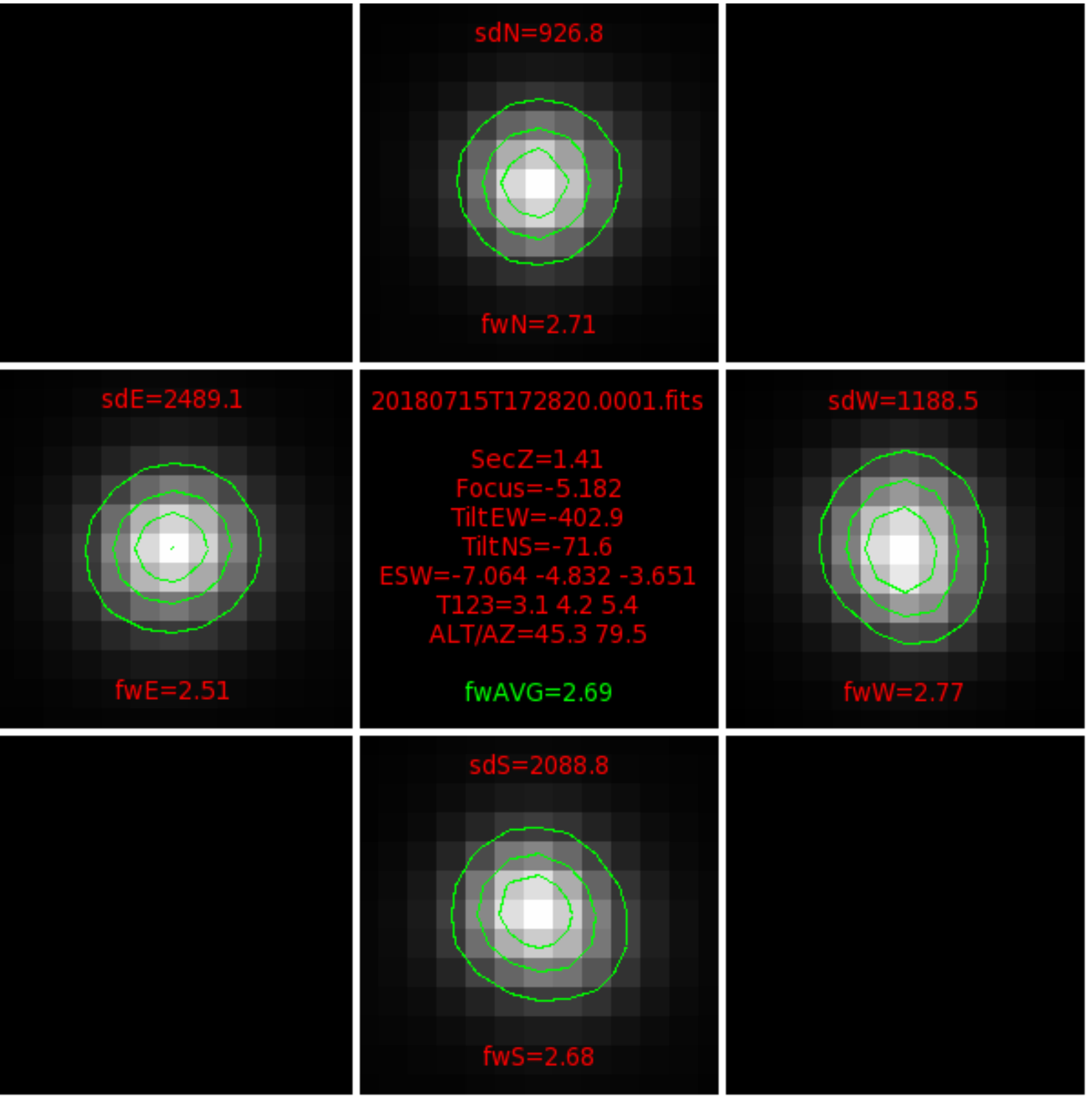
sdN=926.8
fwN=2.71
sdE=2489.1
fwE=2.51
20180715T172820.0001.fits
SecZ=1.41
Focus=-5.182
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.064 -4.832 -3.651
T123=3.1 4.2 5.4
ALT/AZ=45.3 79.5
fwAVG=2.69
sdW=1188.5
fwW=2.77
sdS=2088.8
fwS=2.68
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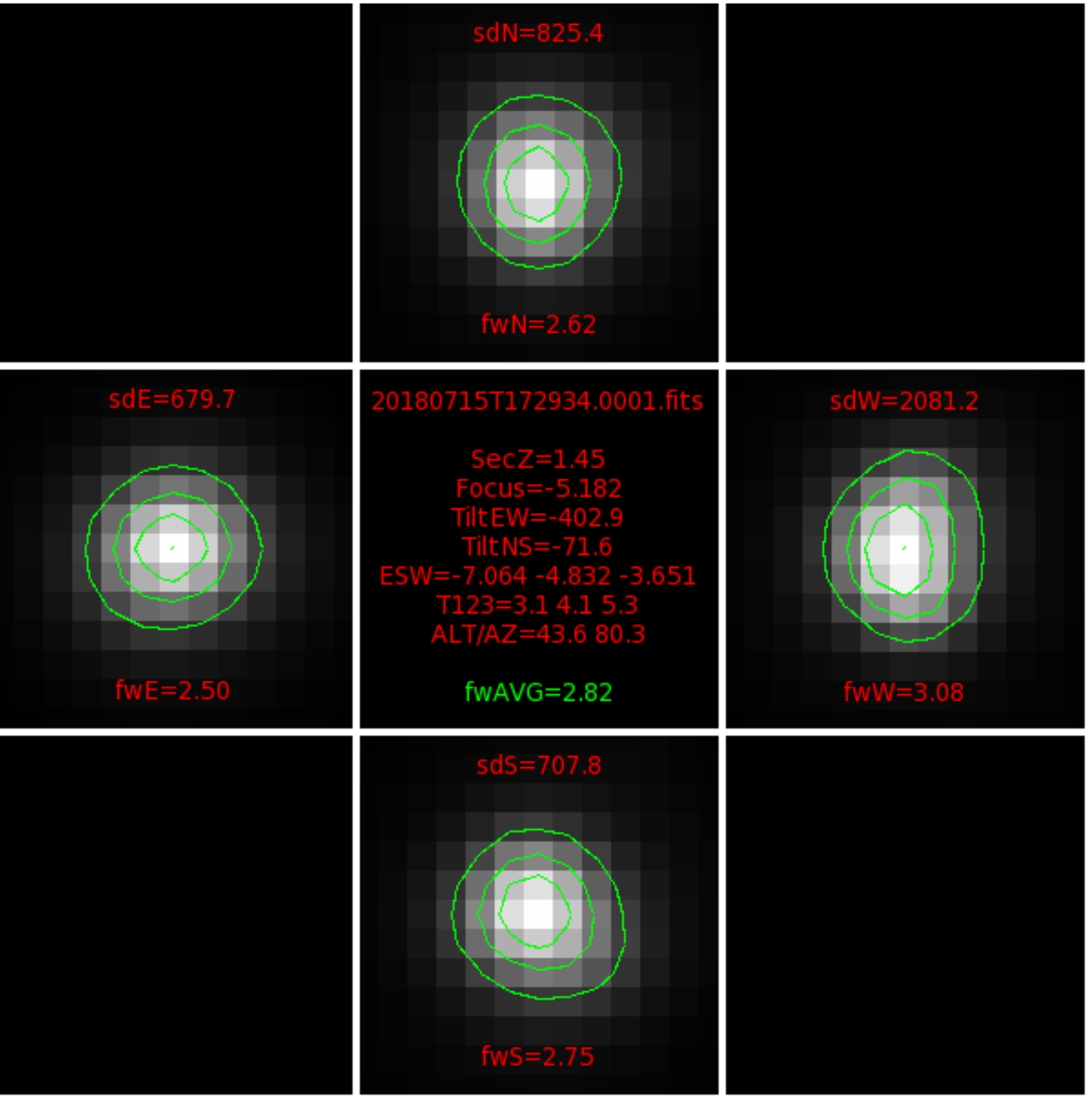
sdN=825.4
fwN=2.62
sdE=679.7
fwE=2.50
20180715T172934.0001.fits
SecZ=1.45
Focus=-5.182
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.064 -4.832 -3.651
T123=3.1 4.1 5.3
ALT/AZ=43.6 80.3
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sdW=2081.2
fwW=3.08
sdS=707.8
fwS=2.75
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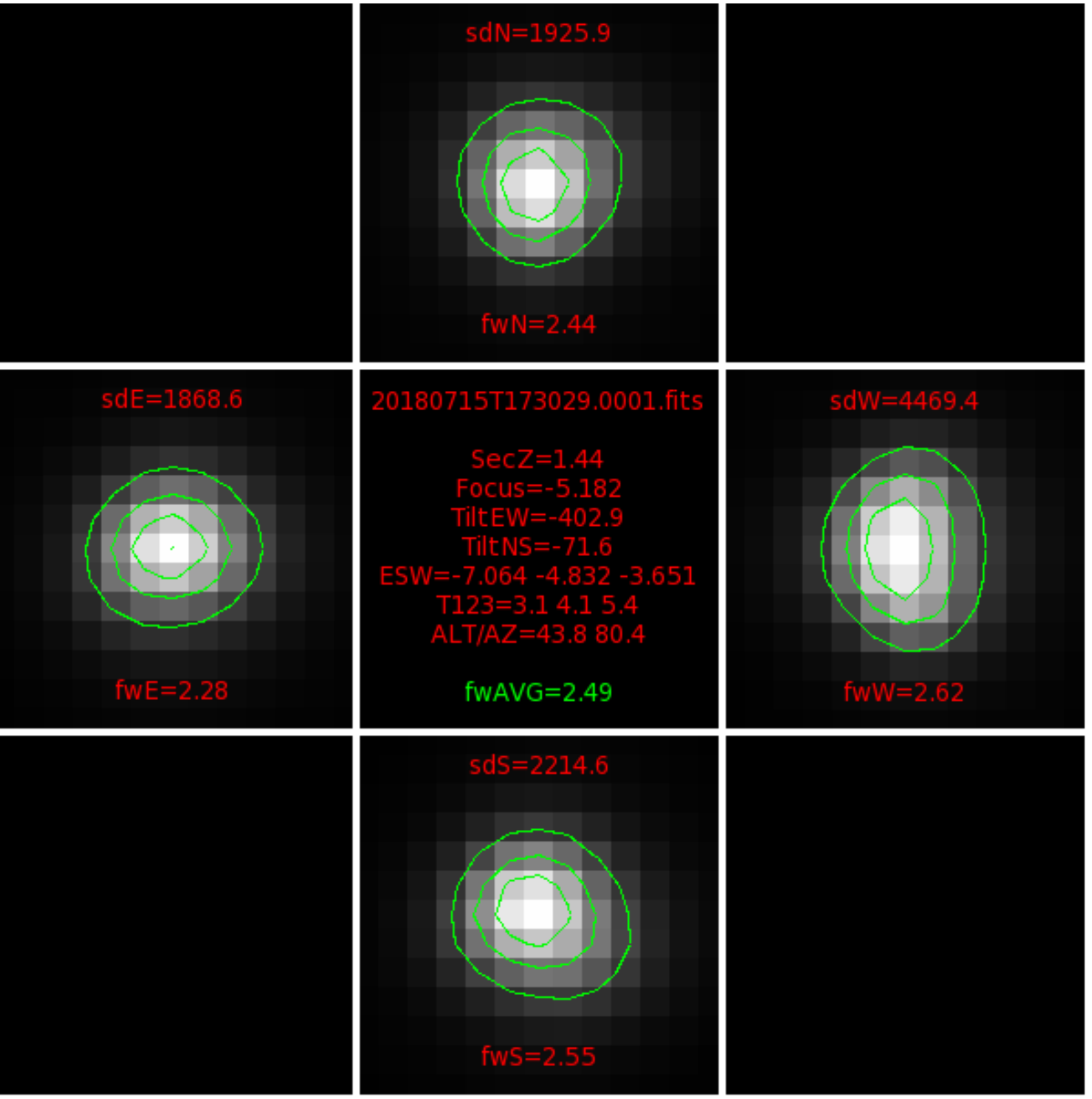
sdN=1925.9
fwN=2.44
sdE=1868.6
fwE=2.28
20180715T173029.0001.fits
SecZ=1.44
Focus=-5.182
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.064 -4.832 -3.651
T123=3.1 4.1 5.4
ALT/AZ=43.8 80.4
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sdW=4469.4
fwW=2.62
sdS=2214.6
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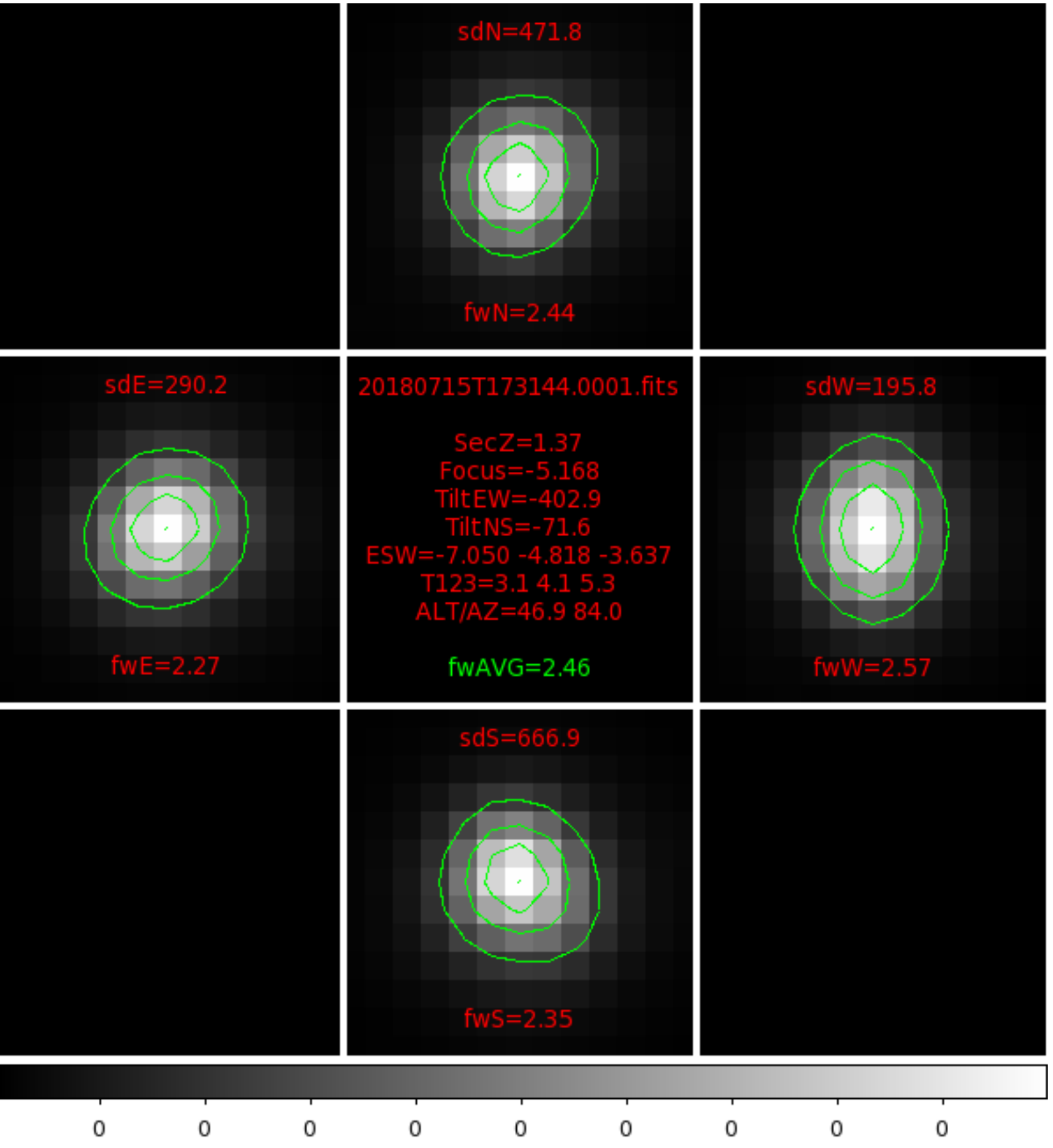
sdN=471.8
fwN=2.44
sdE=290.2
fwE=2.27
20180715T173144.0001.fits
SecZ=1.37
Focus=-5.168
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.050 -4.818 -3.637
T123=3.1 4.1 5.3
ALT/AZ=46.9 84.0
fwAVG=2.46
sdW=195.8
fwW=2.57
sdS=666.9
fwS=2.35
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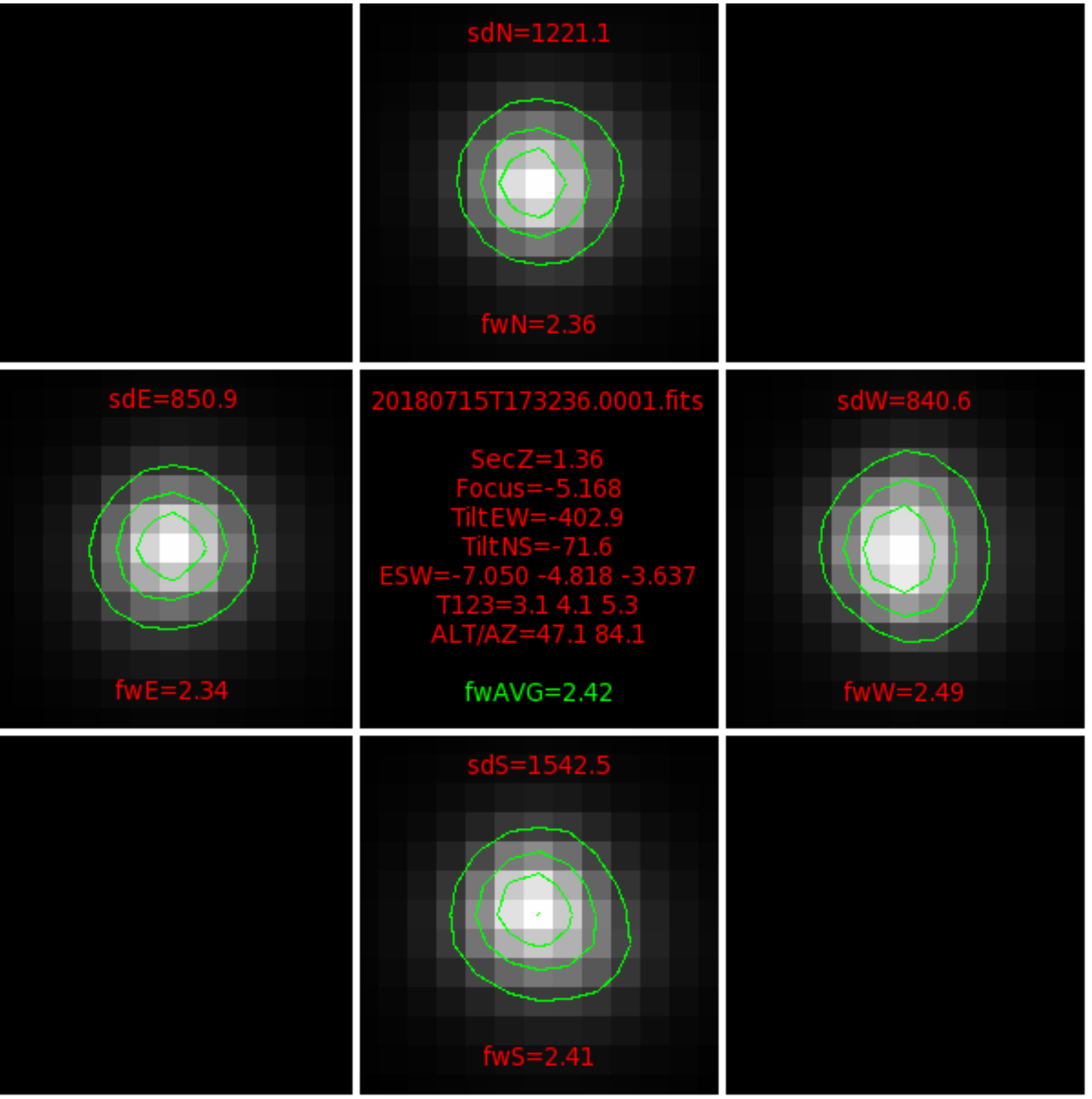
sdN=1221.1
fwN=2.36
sdE=850.9
fwE=2.34
20180715T173236.0001.fits
SecZ=1.36
Focus=-5.168
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.050 -4.818 -3.637
T123=3.1 4.1 5.3
ALT/AZ=47.1 84.1
fwAVG=2.42
sdW=840.6
fwW=2.49
sdS=1542.5
fwS=2.41
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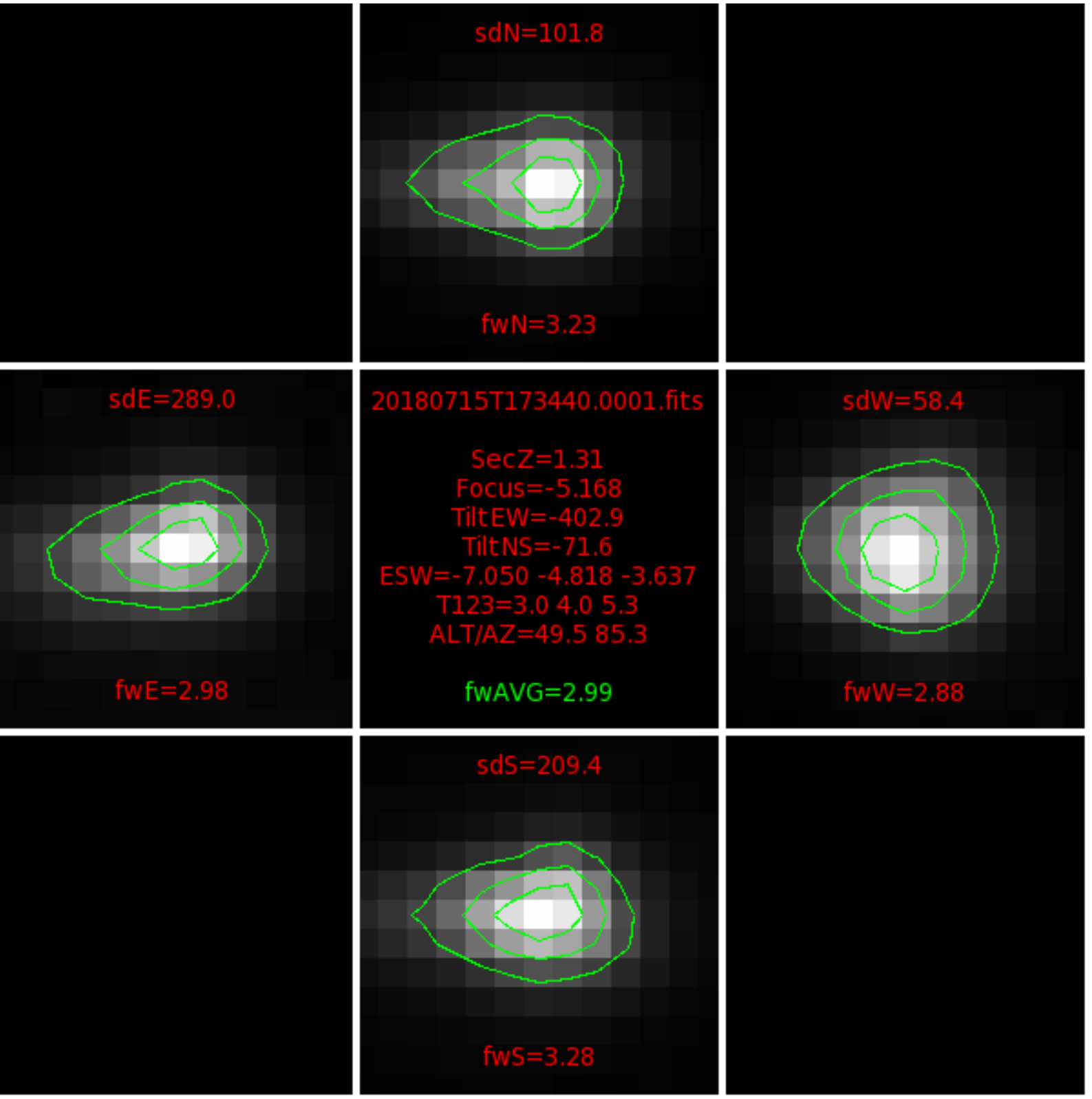
sdN=101.8
fwN=3.23
sdE=289.0
fwE=2.98
20180715T173440.0001.fits
SecZ=1.31
Focus=-5.168
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.050 -4.818 -3.637
T123=3.0 4.0 5.3
ALT/AZ=49.5 85.3
fwAVG=2.99
sdW=58.4
fwW=2.88
sdS=209.4
fwS=3.28
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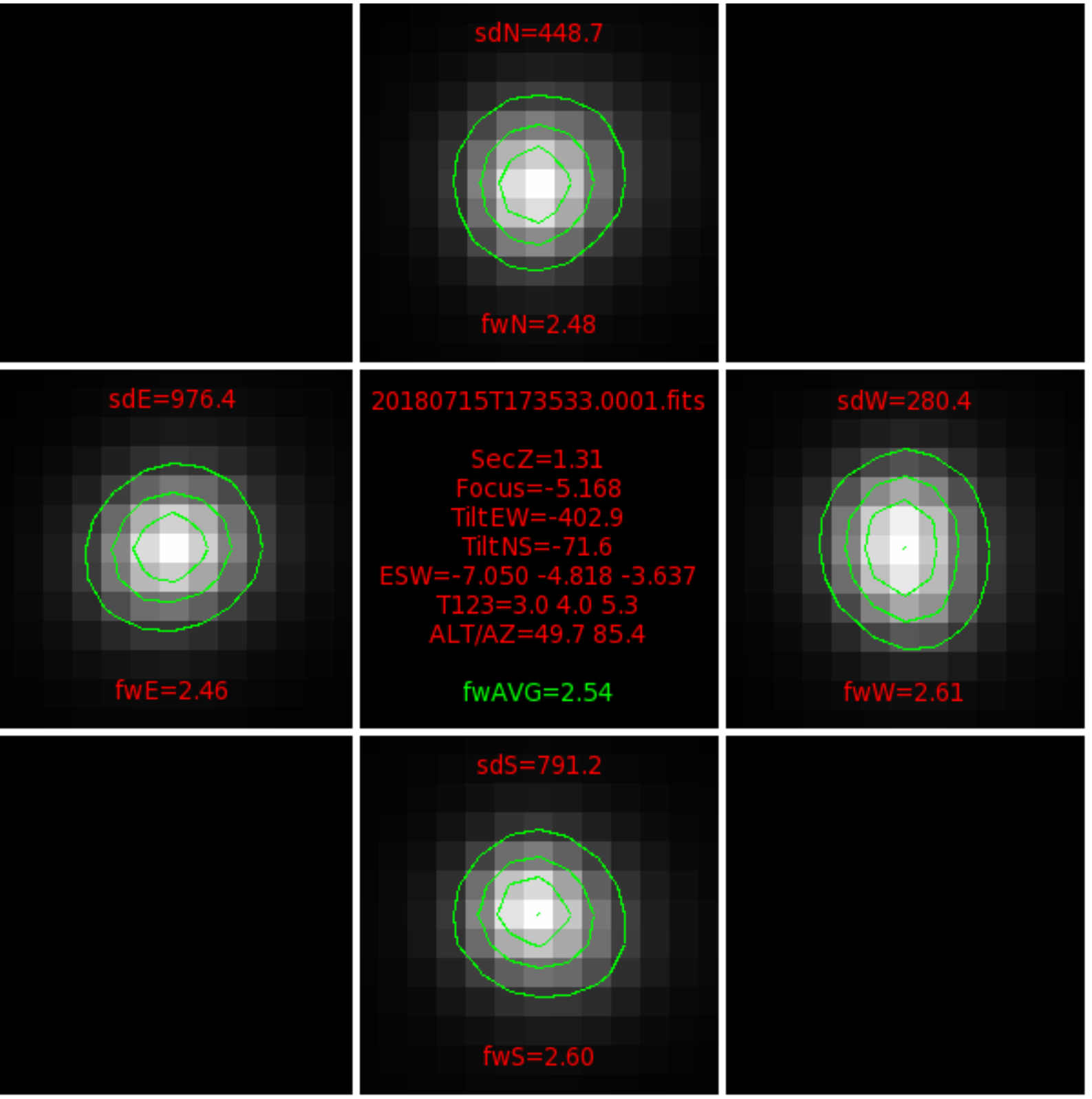
sdN=448.7
fwN=2.48
sdE=976.4
fwE=2.46
20180715T173533.0001.fits
SecZ=1.31
Focus=-5.168
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.050 -4.818 -3.637
T123=3.0 4.0 5.3
ALT/AZ=49.7 85.4
fwAVG=2.54
sdW=280.4
fwW=2.61
sdS=791.2
fwS=2.60
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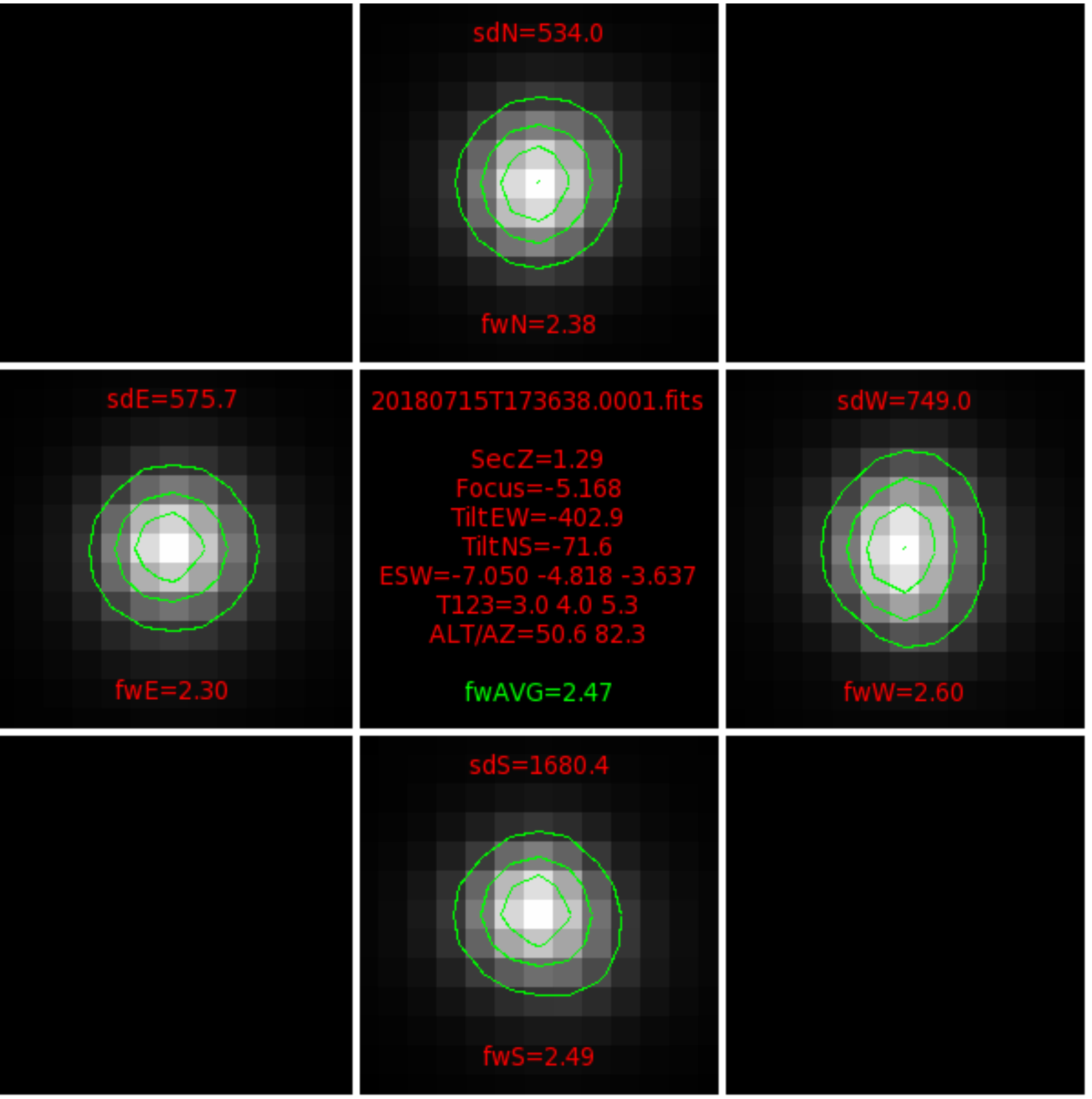
sdN=534.0
fwN=2.38
sdE=575.7
fwE=2.30
20180715T173638.0001.fits
SecZ=1.29
Focus=-5.168
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.050 -4.818 -3.637
T123=3.0 4.0 5.3
ALT/AZ=50.6 82.3
fwAVG=2.47
sdW=749.0
fwW=2.60
sdS=1680.4
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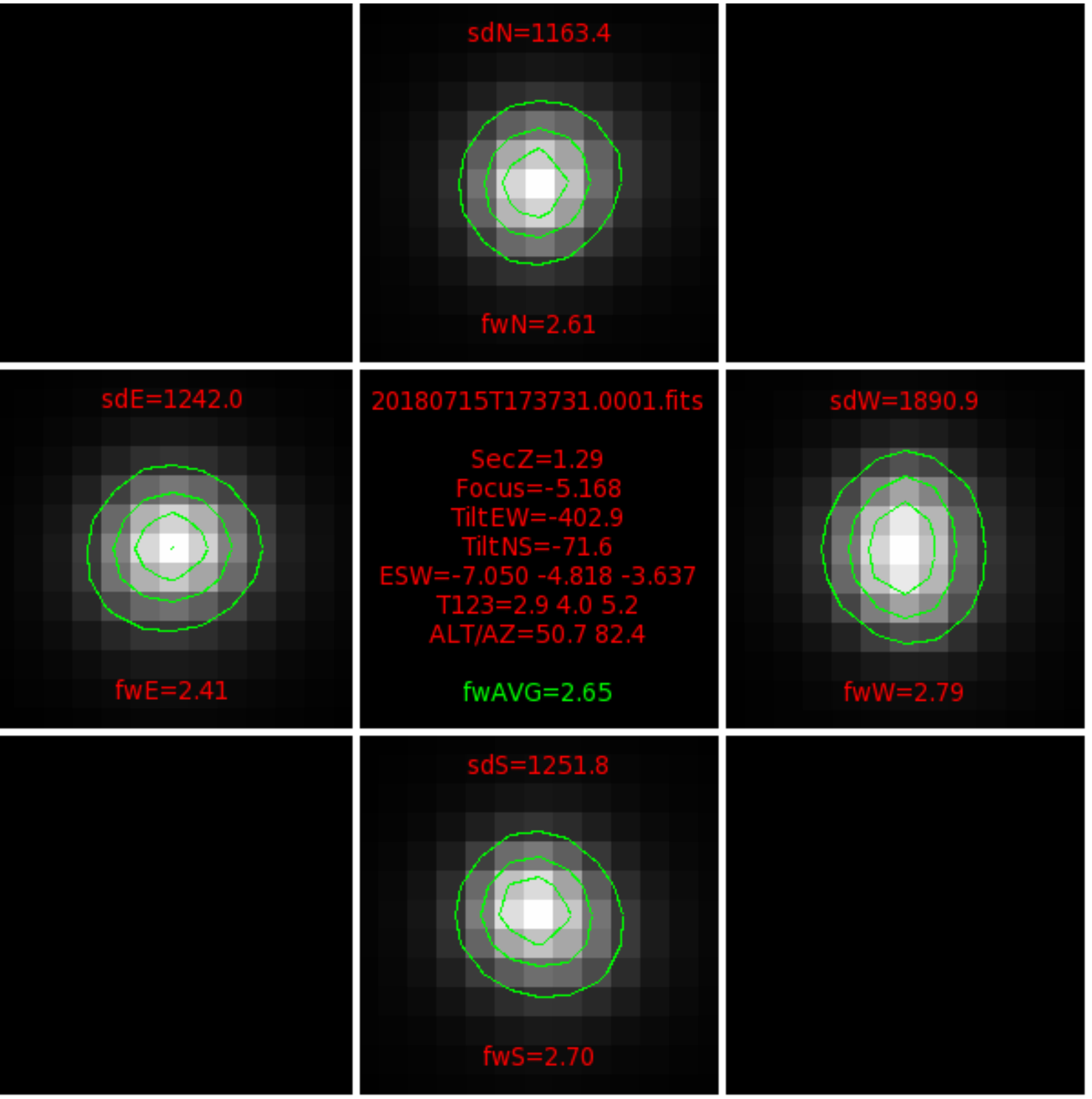
sdN=1163.4
fwN=2.61
sdE=1242.0
fwE=2.41
20180715T173731.0001.fits
SecZ=1.29
Focus=-5.168
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.050 -4.818 -3.637
T123=2.9 4.0 5.2
ALT/AZ=50.7 82.4
fwAVG=2.65
sdW=1890.9
fwW=2.79
sdS=1251.8
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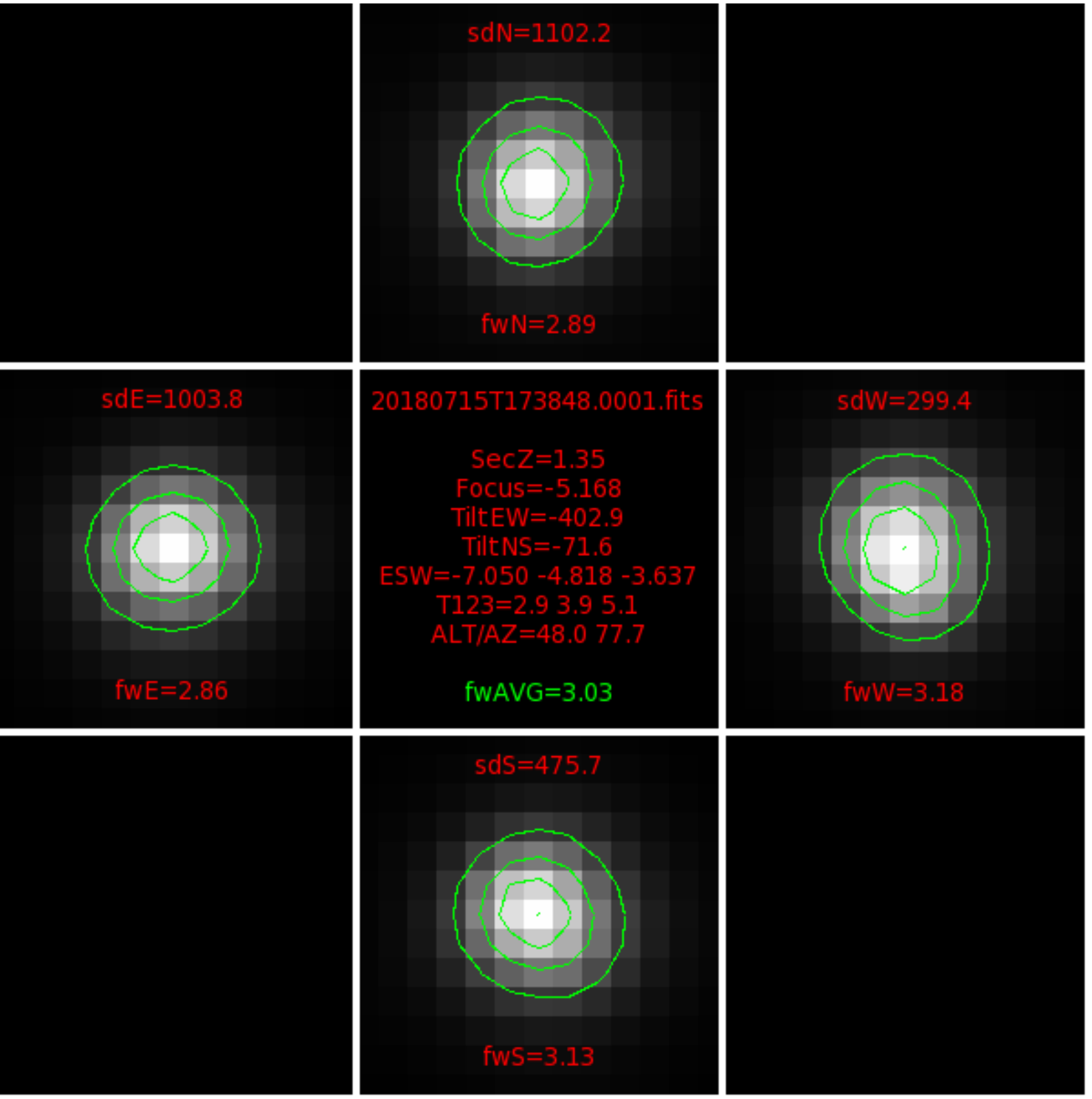
sdN=1102.2
fwN=2.89
sdE=1003.8
fwE=2.86
20180715T173848.0001.fits
SecZ=1.35
Focus=-5.168
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.050 -4.818 -3.637
T123=2.9 3.9 5.1
ALT/AZ=48.0 77.7
fwAVG=3.03
sdW=299.4
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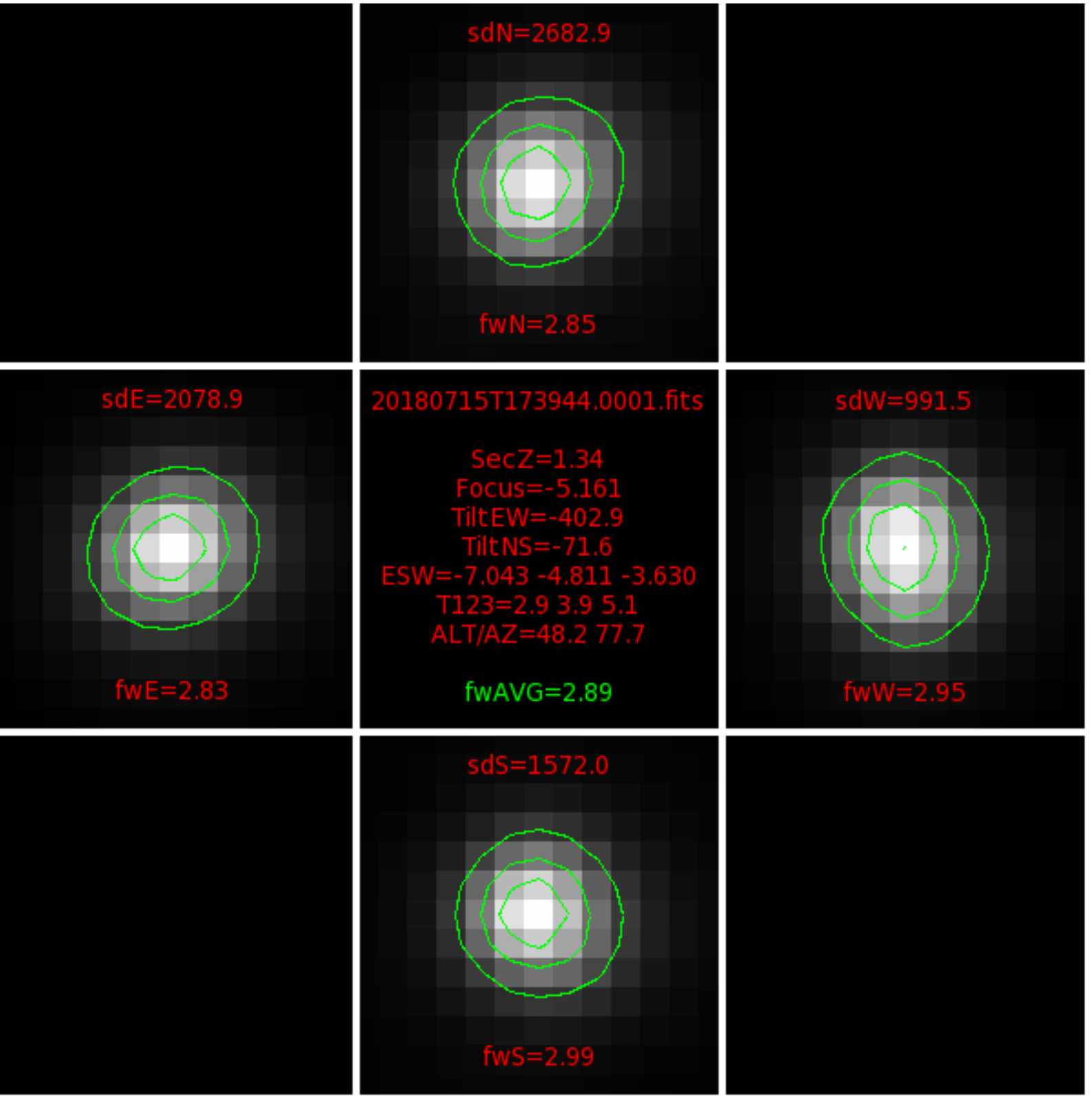
sdN=2682.9
fwN=2.85
sdE=2078.9
fwE=2.83
20180715T173944.0001.fits
SecZ=1.34
Focus=-5.161
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.043 -4.811 -3.630
T123=2.9 3.9 5.1
ALT/AZ=48.2 77.7
fwAVG=2.89
sdW=991.5
fwW=2.95
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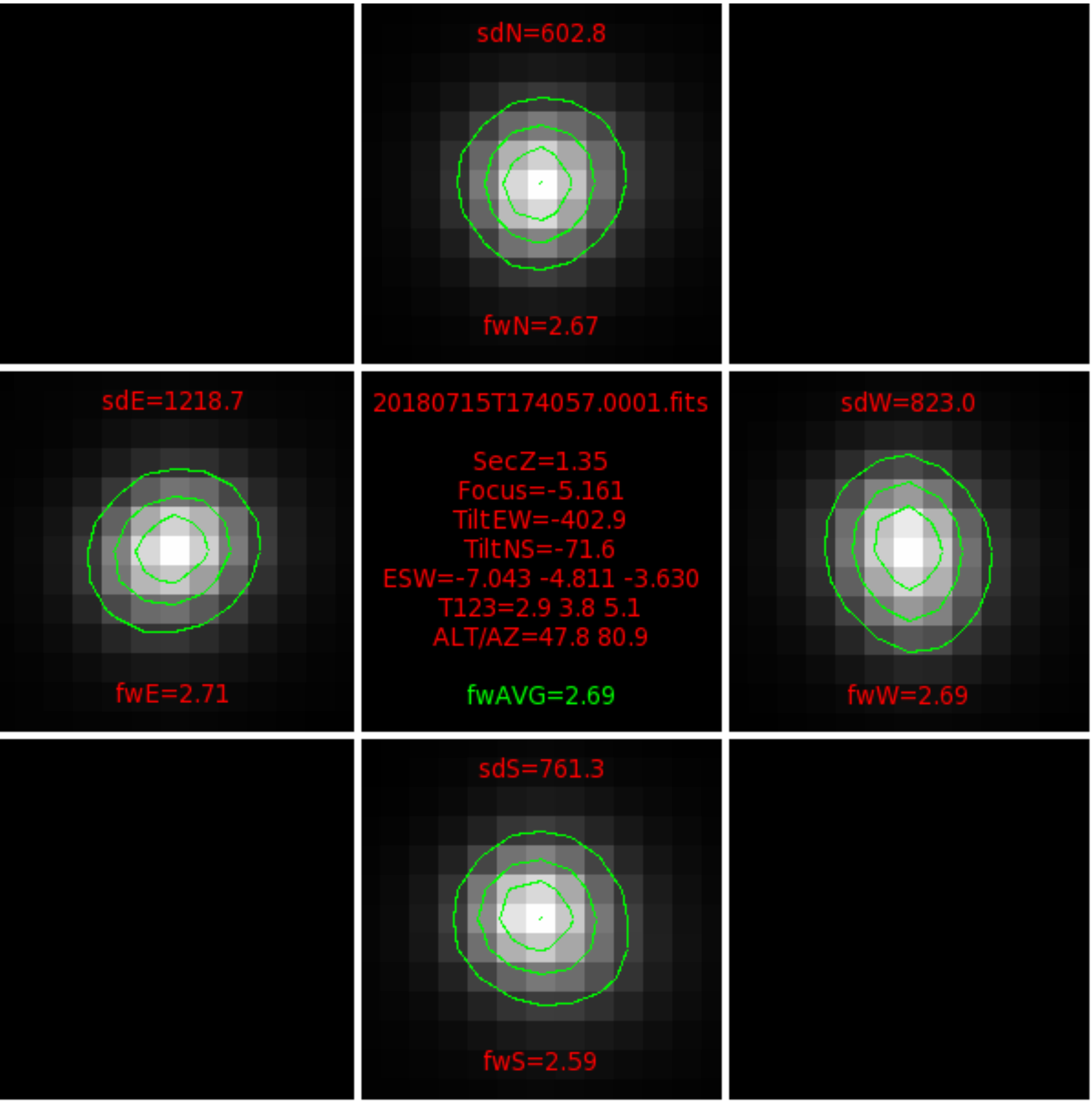
sdN=602.8
fwN=2.67
sdE=1218.7
fwE=2.71
20180715T174057.0001.fits
SecZ=1.35
Focus=-5.161
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.043 -4.811 -3.630
T123=2.9 3.8 5.1
ALT/AZ=47.8 80.9
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sdW=823.0
fwW=2.69
sdS=761.3
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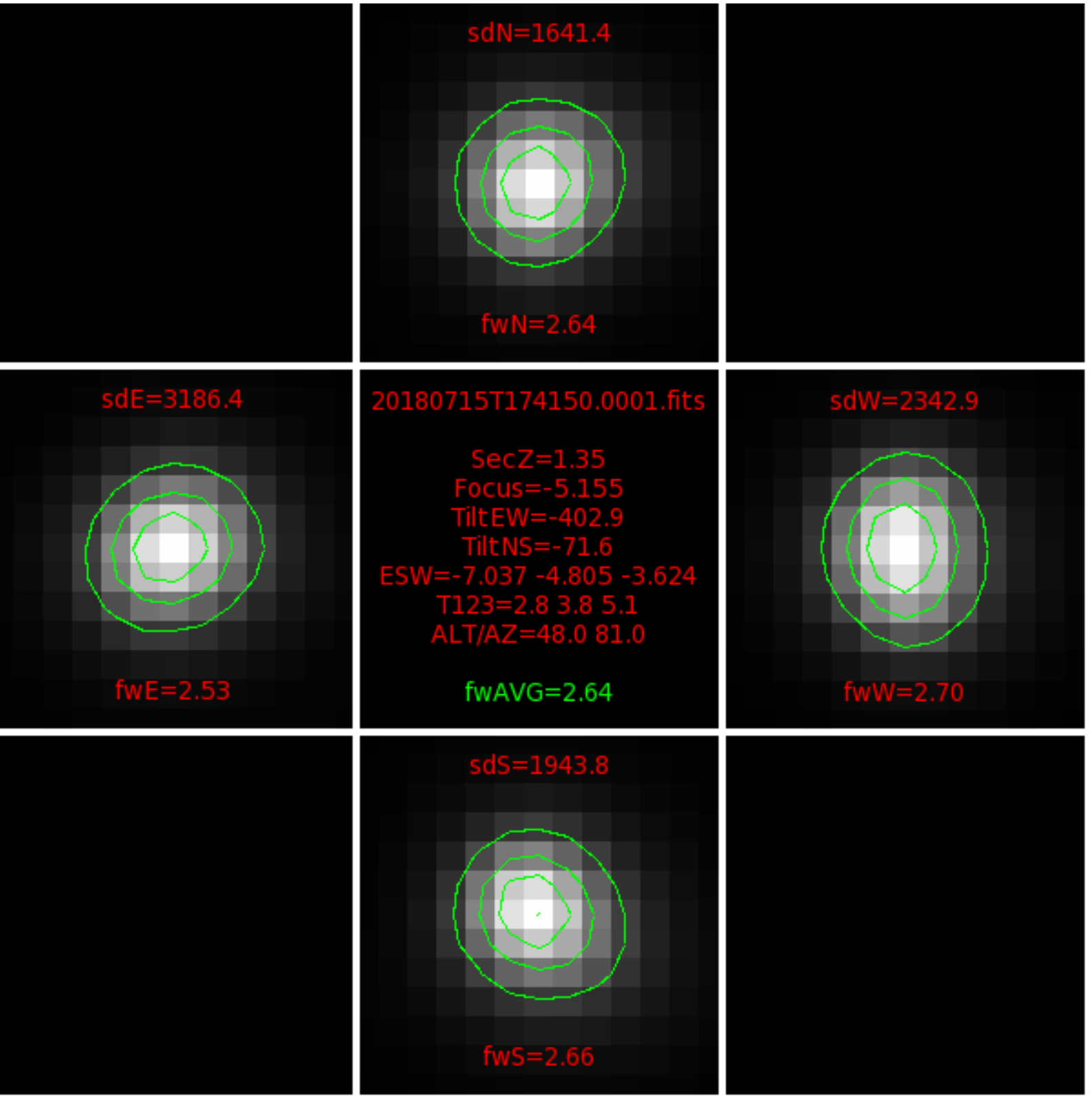
sdN=1641.4
fwN=2.64
sdE=3186.4
fwE=2.53
20180715T174150.0001.fits
SecZ=1.35
Focus=-5.155
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.037 -4.805 -3.624
T123=2.8 3.8 5.1
ALT/AZ=48.0 81.0
fwAVG=2.64
sdW=2342.9
fwW=2.70
sdS=1943.8
fwS=2.66
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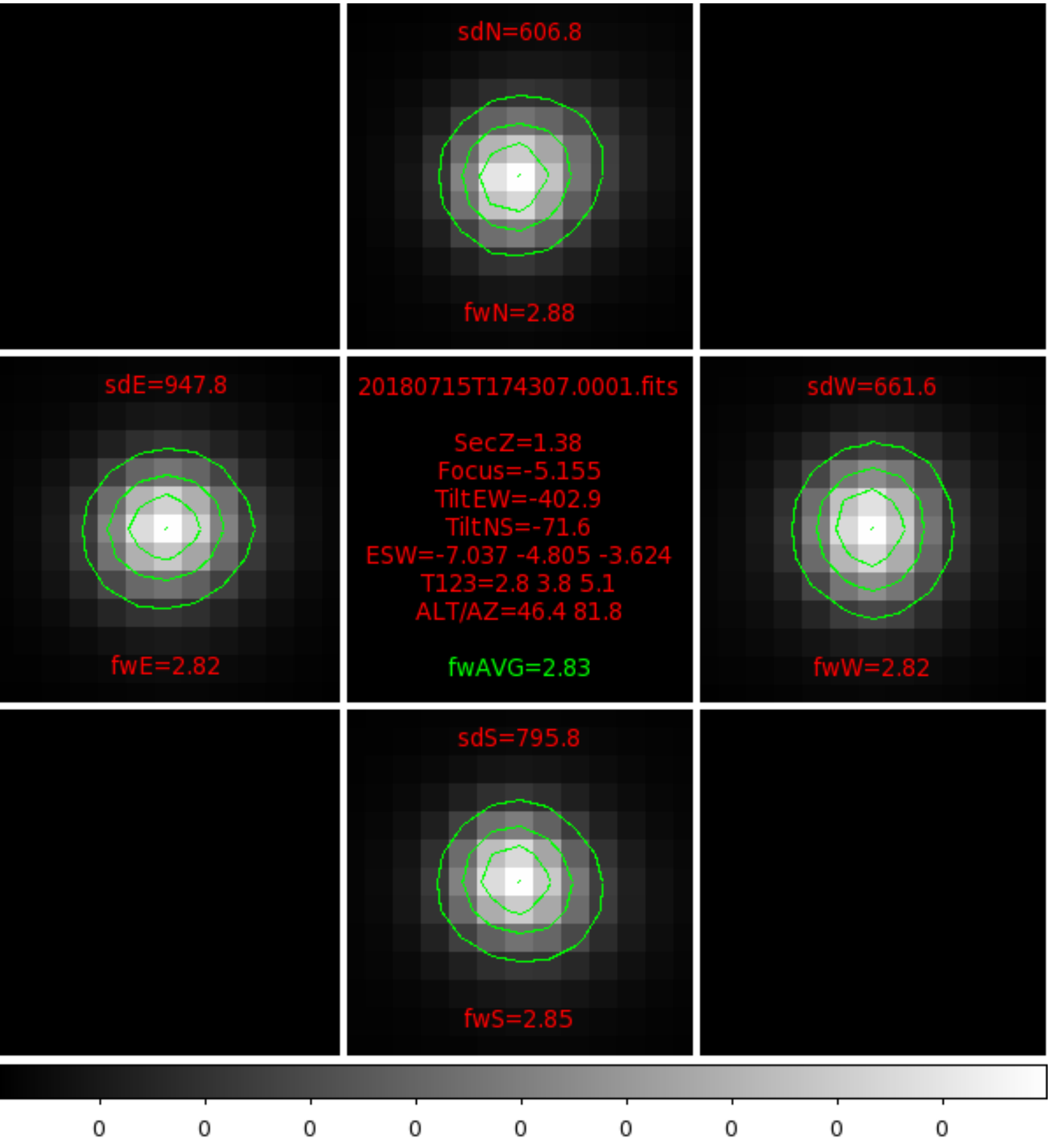
sdN=606.8
fwN=2.88
sdE=947.8
fwE=2.82
20180715T174307.0001.fits
SecZ=1.38
Focus=-5.155
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.037 -4.805 -3.624
T123=2.8 3.8 5.1
ALT/AZ=46.4 81.8
fwAVG=2.83
sdW=661.6
fwW=2.82
sdS=795.8
fwS=2.85
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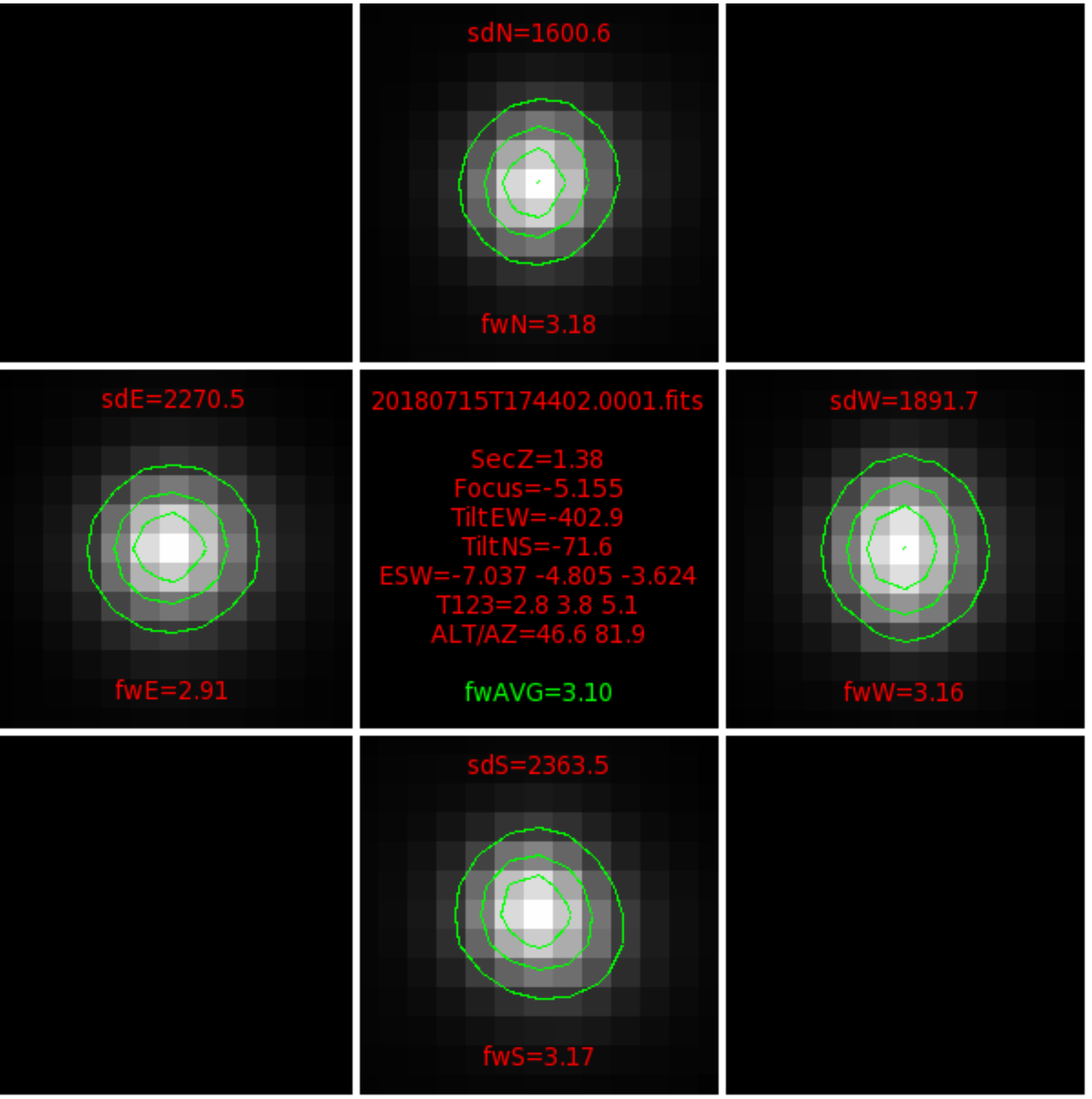
sdN=1600.6
fwN=3.18
sdE=2270.5
fwE=2.91
20180715T174402.0001.fits
SecZ=1.38
Focus=-5.155
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.037 -4.805 -3.624
T123=2.8 3.8 5.1
ALT/AZ=46.6 81.9
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sdW=1891.7
fwW=3.16
sdS=2363.5
fwS=3.17
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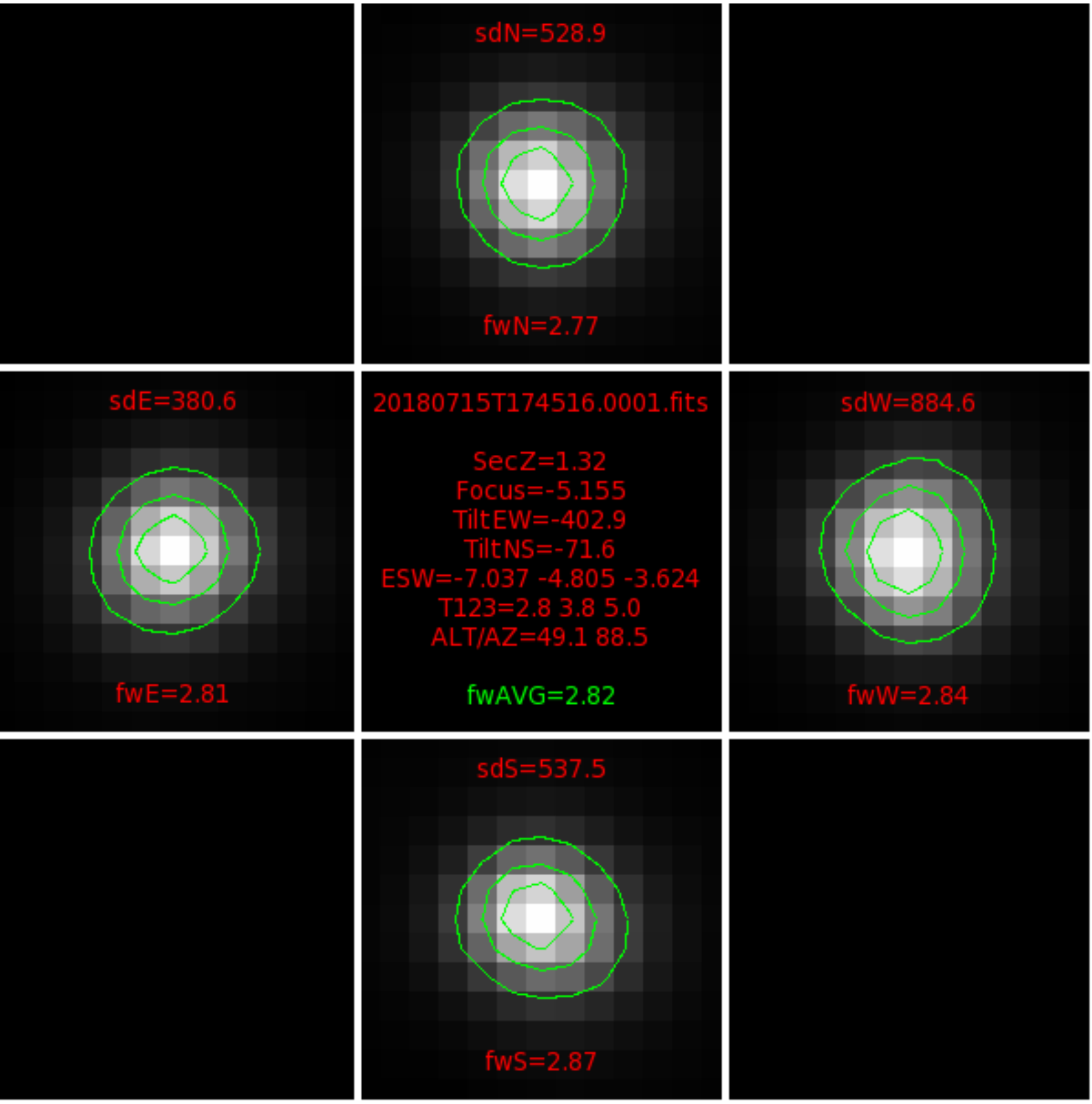
sdN=528.9
fwN=2.77
sdE=380.6
fwE=2.81
20180715T174516.0001.fits
SecZ=1.32
Focus=-5.155
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.037 -4.805 -3.624
T123=2.8 3.8 5.0
ALT/AZ=49.1 88.5
fwAVG=2.82
sdW=884.6
fwW=2.84
sdS=537.5
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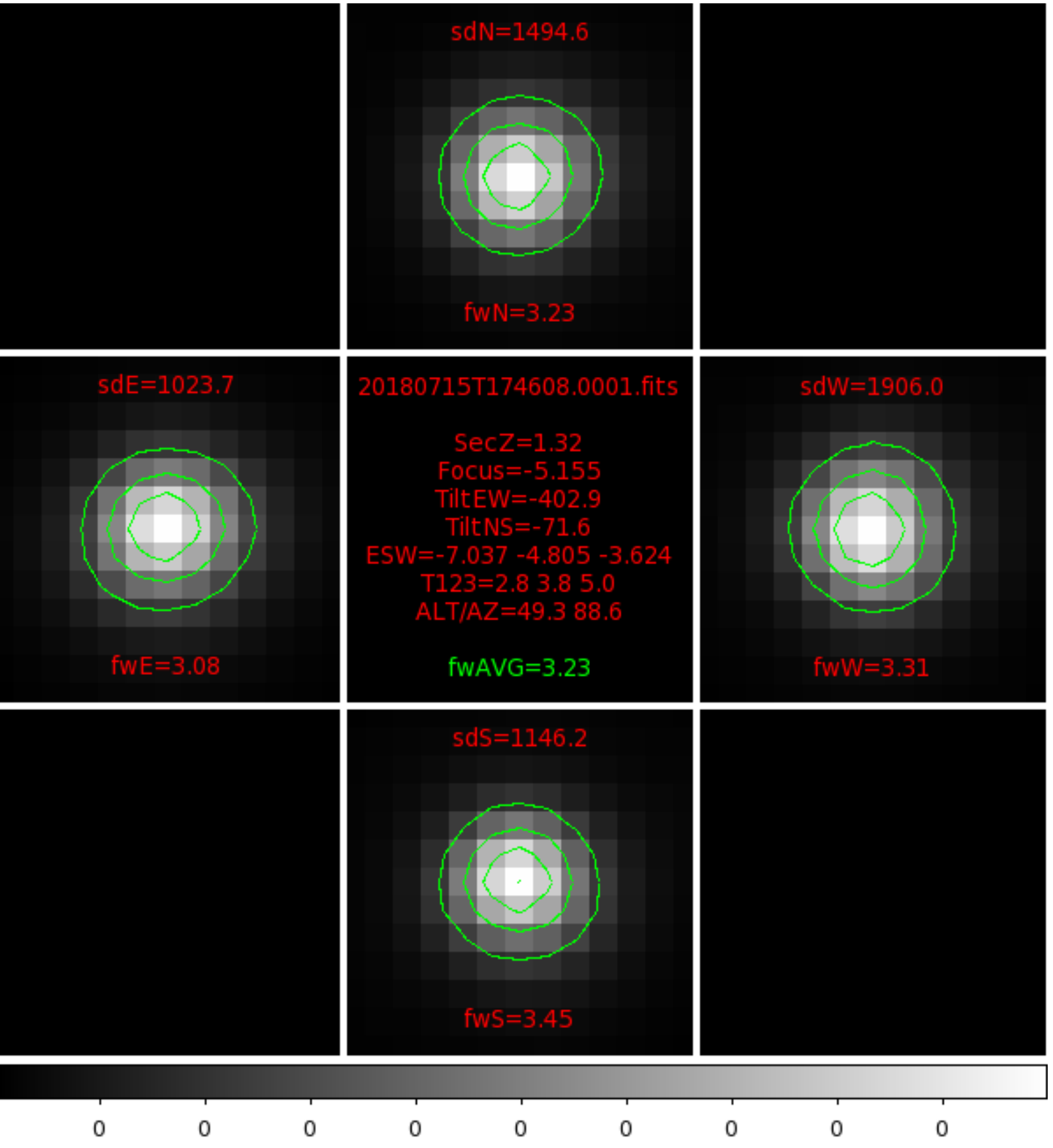
sdN=1494.6
fwN=3.23
sdE=1023.7
fwE=3.08
20180715T174608.0001.fits
SecZ=1.32
Focus=-5.155
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.037 -4.805 -3.624
T123=2.8 3.8 5.0
ALT/AZ=49.3 88.6
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sdW=1906.0
fwW=3.31
sdS=1146.2
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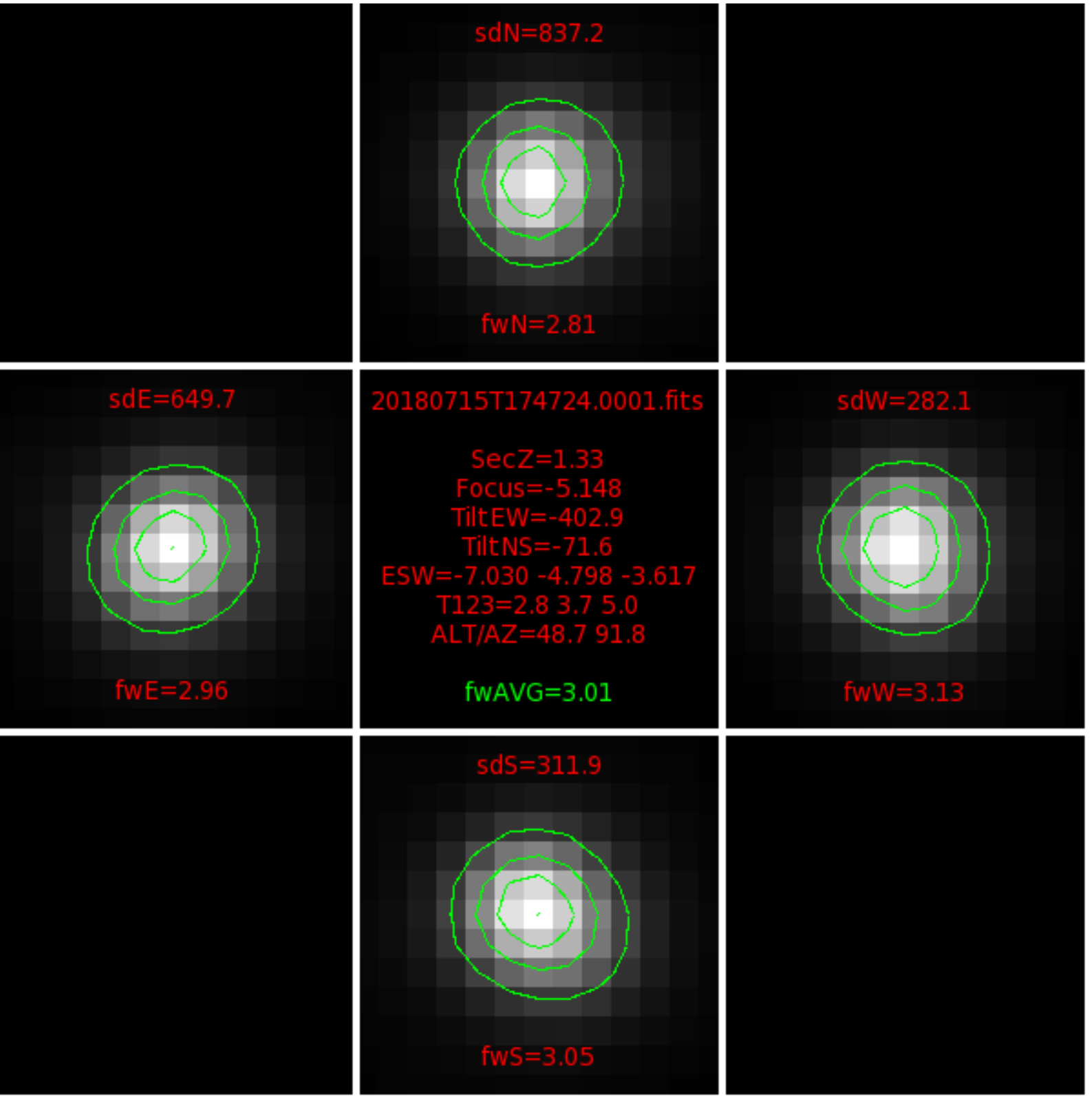
sdN=837.2
fwN=2.81
sdE=649.7
fwE=2.96
20180715T174724.0001.fits
SecZ=1.33
Focus=-5.148
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.030 -4.798 -3.617
T123=2.8 3.7 5.0
ALT/AZ=48.7 91.8
fwAVG=3.01
sdW=282.1
fwW=3.13
sdS=311.9
fwS=3.05
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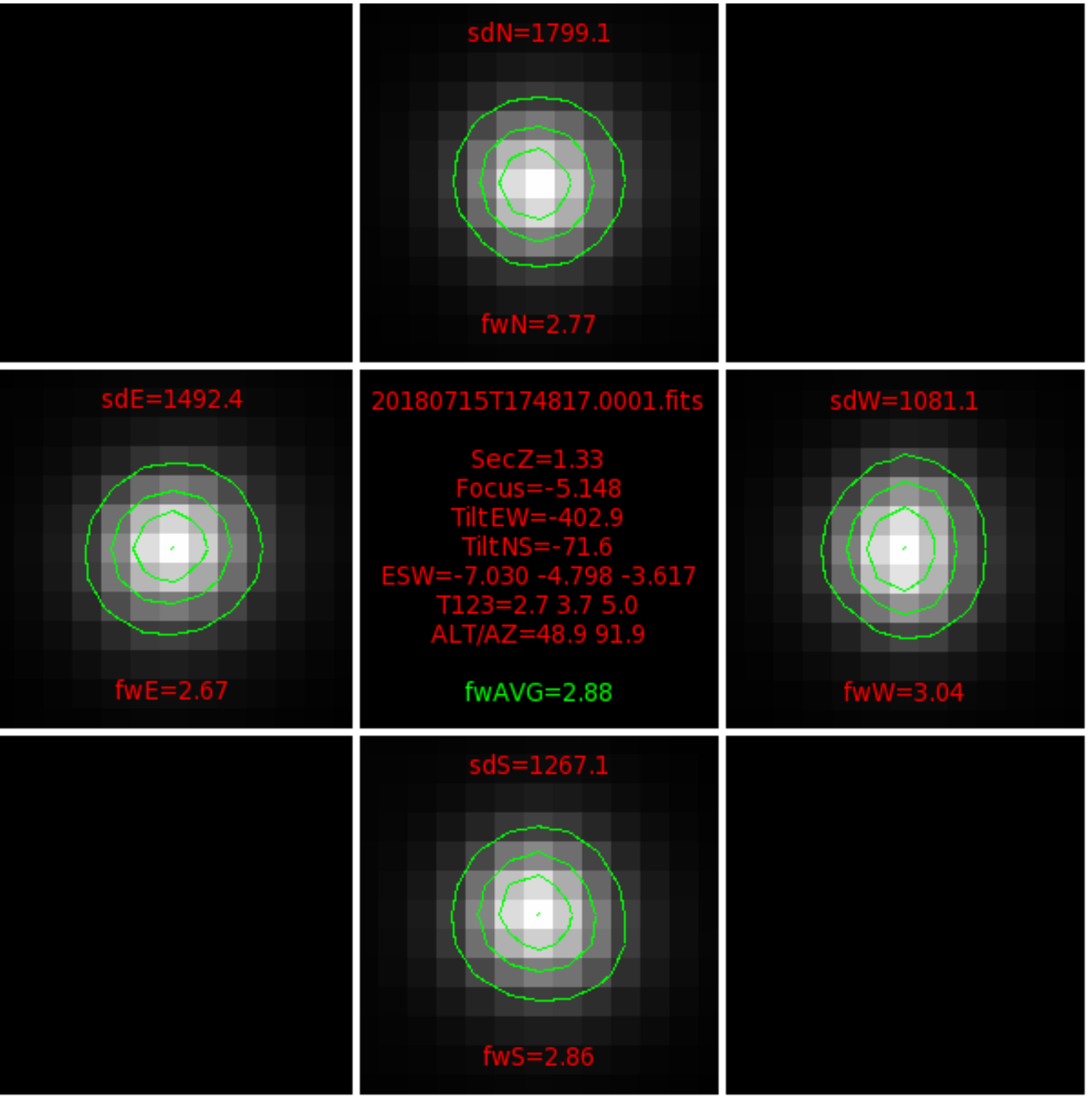
sdN=1799.1
fwN=2.77
sdE=1492.4
fwE=2.67
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SecZ=1.33
Focus=-5.148
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.030 -4.798 -3.617
T123=2.7 3.7 5.0
ALT/AZ=48.9 91.9
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sdW=1081.1
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sdS=1267.1
fwS=2.86
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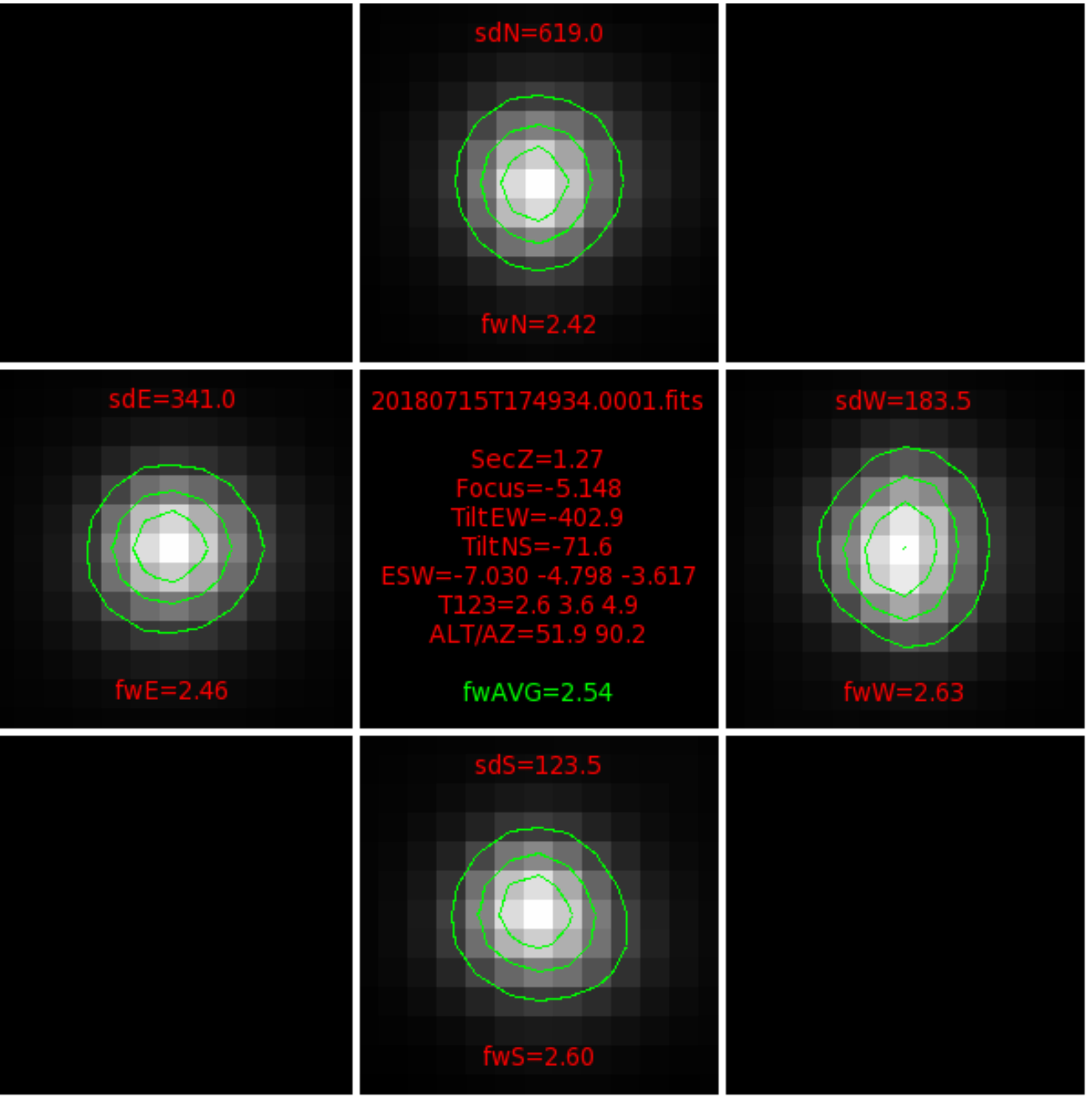
sdN=619.0
fwN=2.42
sdE=341.0
fwE=2.46
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SecZ=1.27
Focus=-5.148
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.030 -4.798 -3.617
T123=2.6 3.6 4.9
ALT/AZ=51.9 90.2
fwAVG=2.54
sdW=183.5
fwW=2.63
sdS=123.5
fwS=2.60
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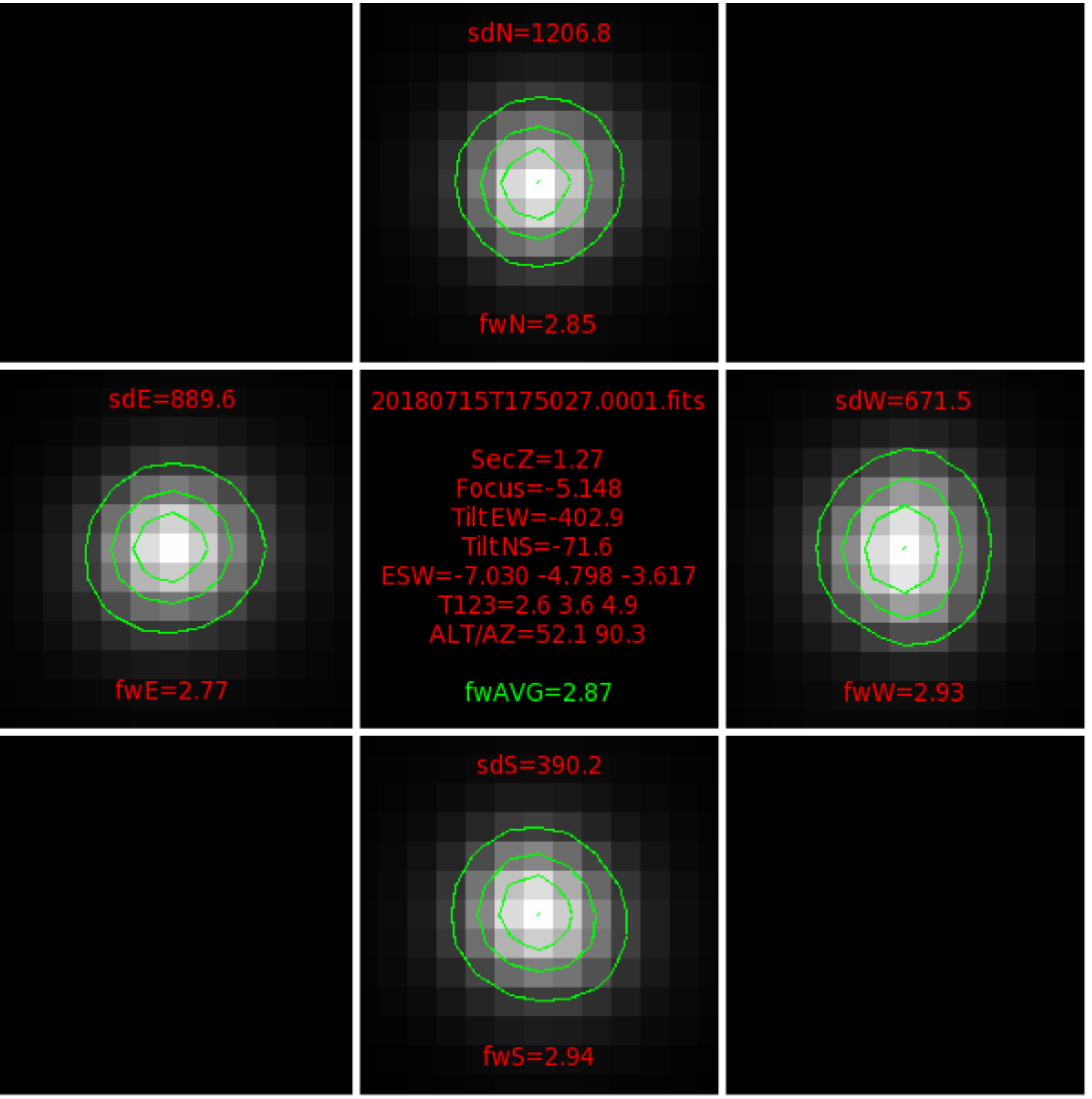
sdN=1206.8
fwN=2.85
sdE=889.6
fwE=2.77
20180715T175027.0001.fits
SecZ=1.27
Focus=-5.148
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.030 -4.798 -3.617
T123=2.6 3.6 4.9
ALT/AZ=52.1 90.3
fwAVG=2.87
sdW=671.5
fwW=2.93
sdS=390.2
fwS=2.94
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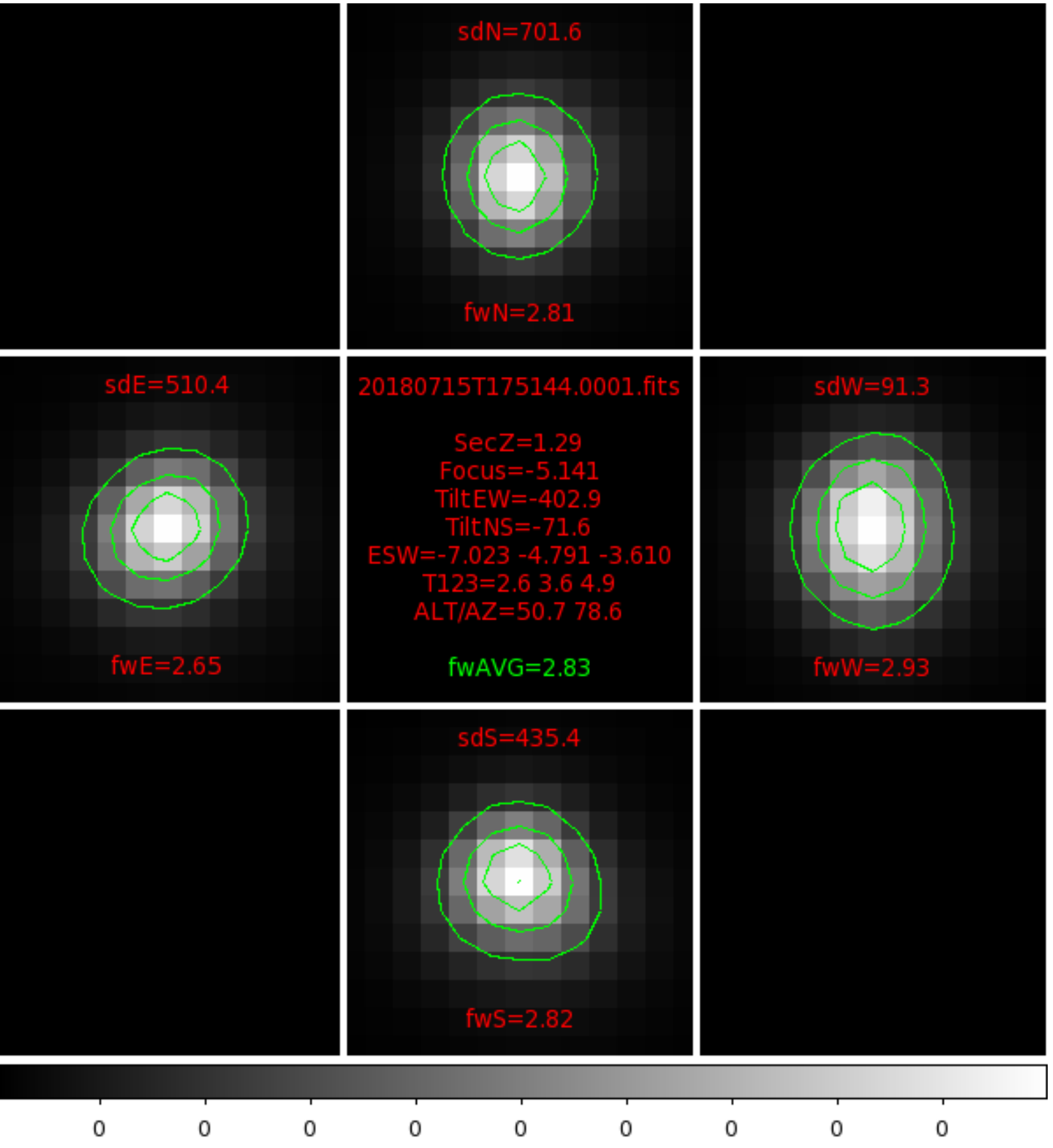
sdN=701.6
fwN=2.81
sdE=510.4
fwE=2.65
20180715T175144.0001.fits
SecZ=1.29
Focus=-5.141
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.023 -4.791 -3.610
T123=2.6 3.6 4.9
ALT/AZ=50.7 78.6
fwAVG=2.83
sdW=91.3
fwW=2.93
sdS=435.4
fwS=2.82
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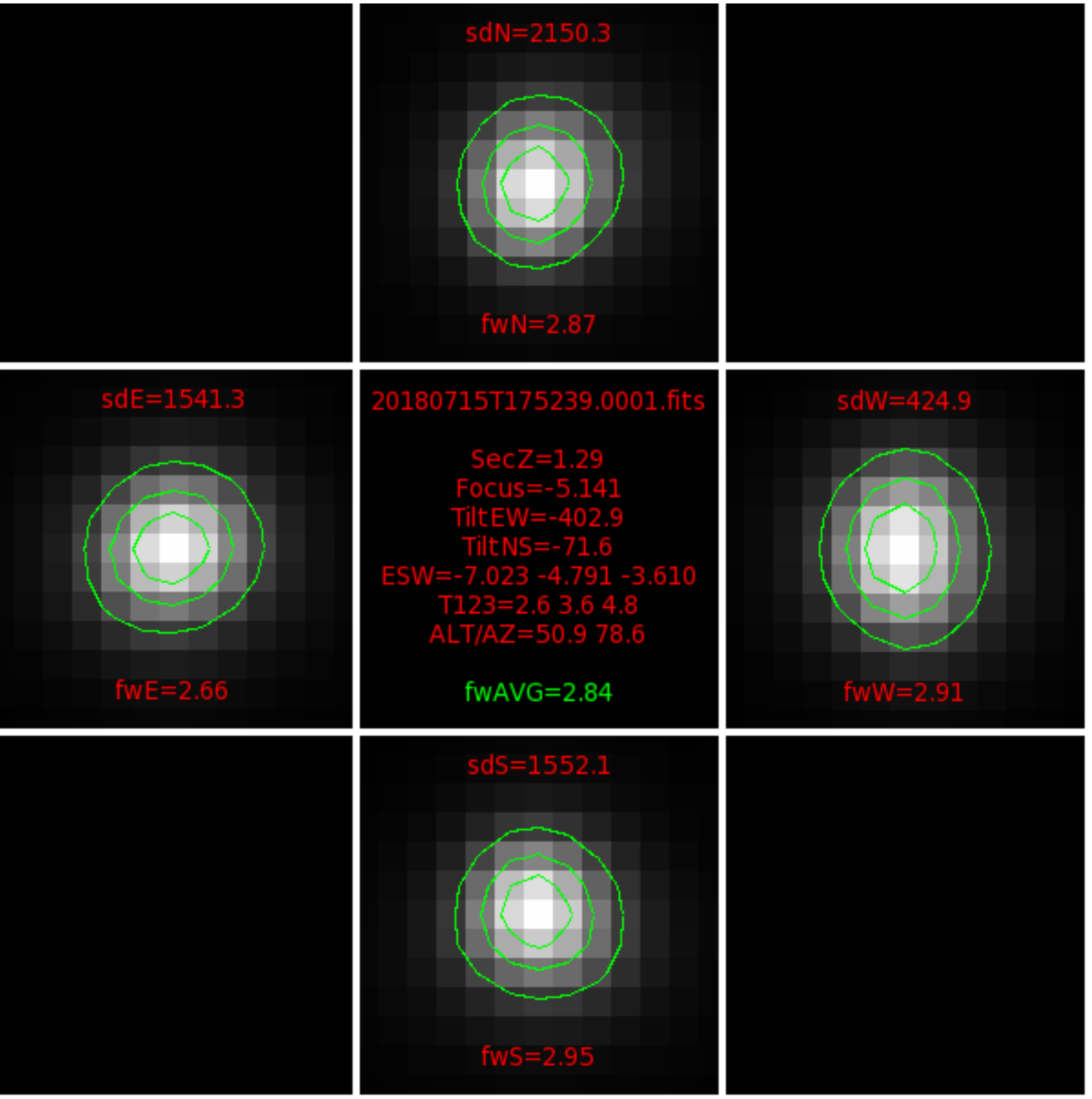
sdN=2150.3
fwN=2.87
sdE=1541.3
fwE=2.66
20180715T175239.0001.fits
SecZ=1.29
Focus=-5.141
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.023 -4.791 -3.610
T123=2.6 3.6 4.8
ALT/AZ=50.9 78.6
fwAVG=2.84
sdW=424.9
fwW=2.91
sdS=1552.1
fwS=2.95
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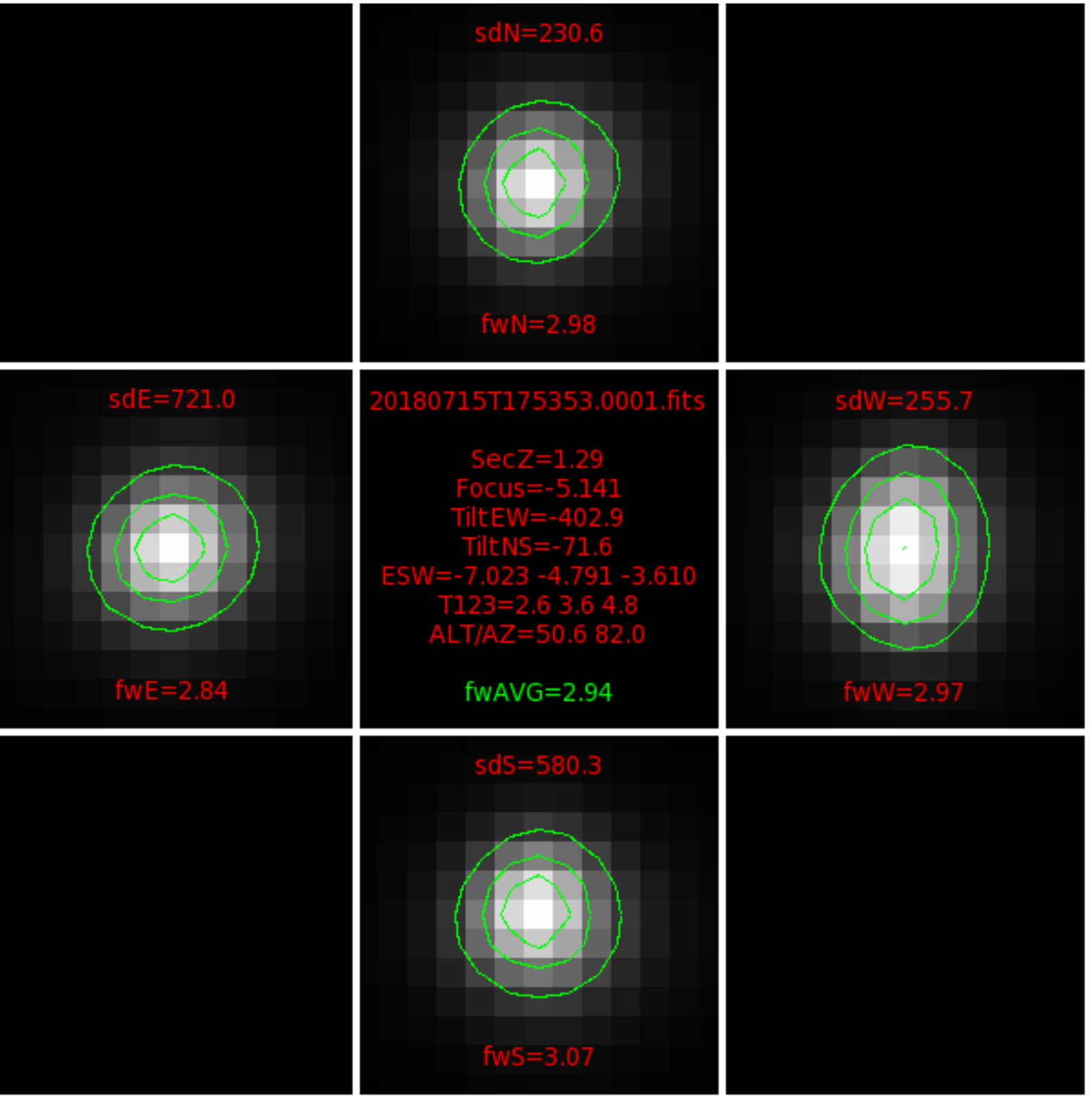
sdN=230.6
fwN=2.98
sdE=721.0
fwE=2.84
20180715T175353.0001.fits
SecZ=1.29
Focus=-5.141
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.023 -4.791 -3.610
T123=2.6 3.6 4.8
ALT/AZ=50.6 82.0
fwAVG=2.94
sdW=255.7
fwW=2.97
sdS=580.3
fwS=3.07
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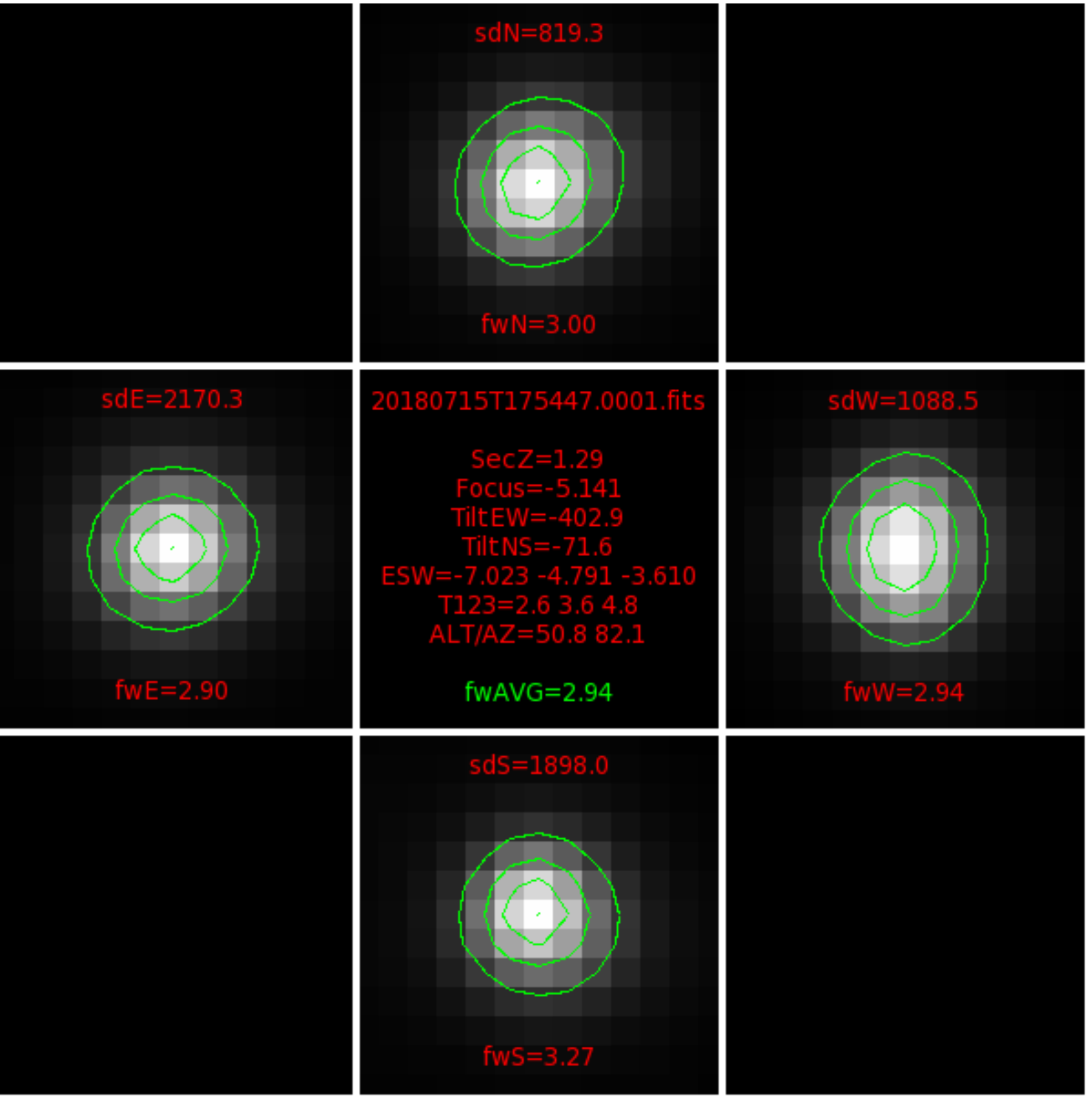
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fwN=3.00
sdE=2170.3
fwE=2.90
20180715T175447.0001.fits
SecZ=1.29
Focus=-5.141
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.023 -4.791 -3.610
T123=2.6 3.6 4.8
ALT/AZ=50.8 82.1
fwAVG=2.94
sdW=1088.5
fwW=2.94
sdS=1898.0
fwS=3.27
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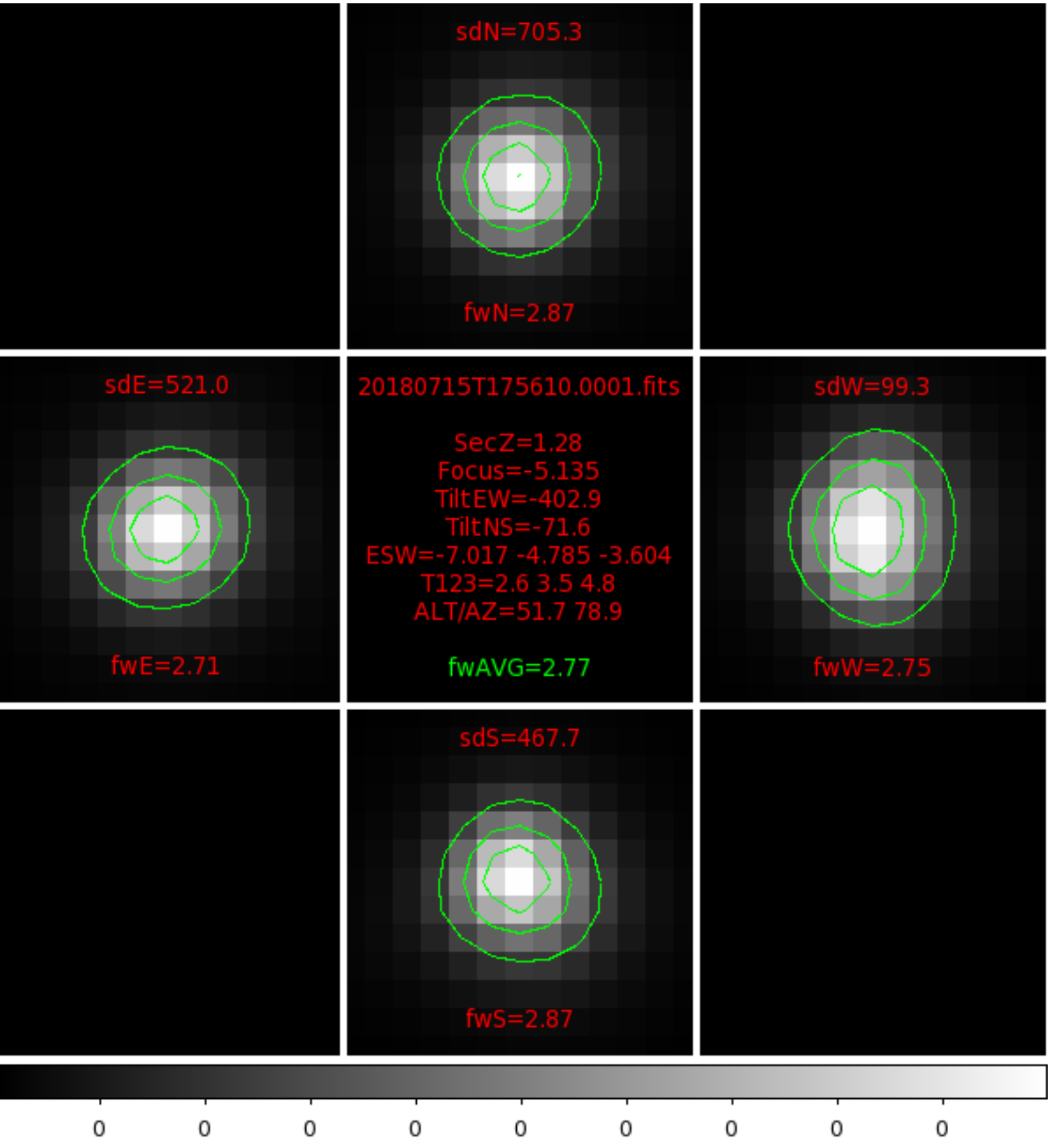
sdN=705.3
fwN=2.87
sdE=521.0
fwE=2.71
20180715T175610.0001.fits
SecZ=1.28
Focus=-5.135
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.017 -4.785 -3.604
T123=2.6 3.5 4.8
ALT/AZ=51.7 78.9
fwAVG=2.77
sdW=99.3
fwW=2.75
sdS=467.7
fwS=2.87
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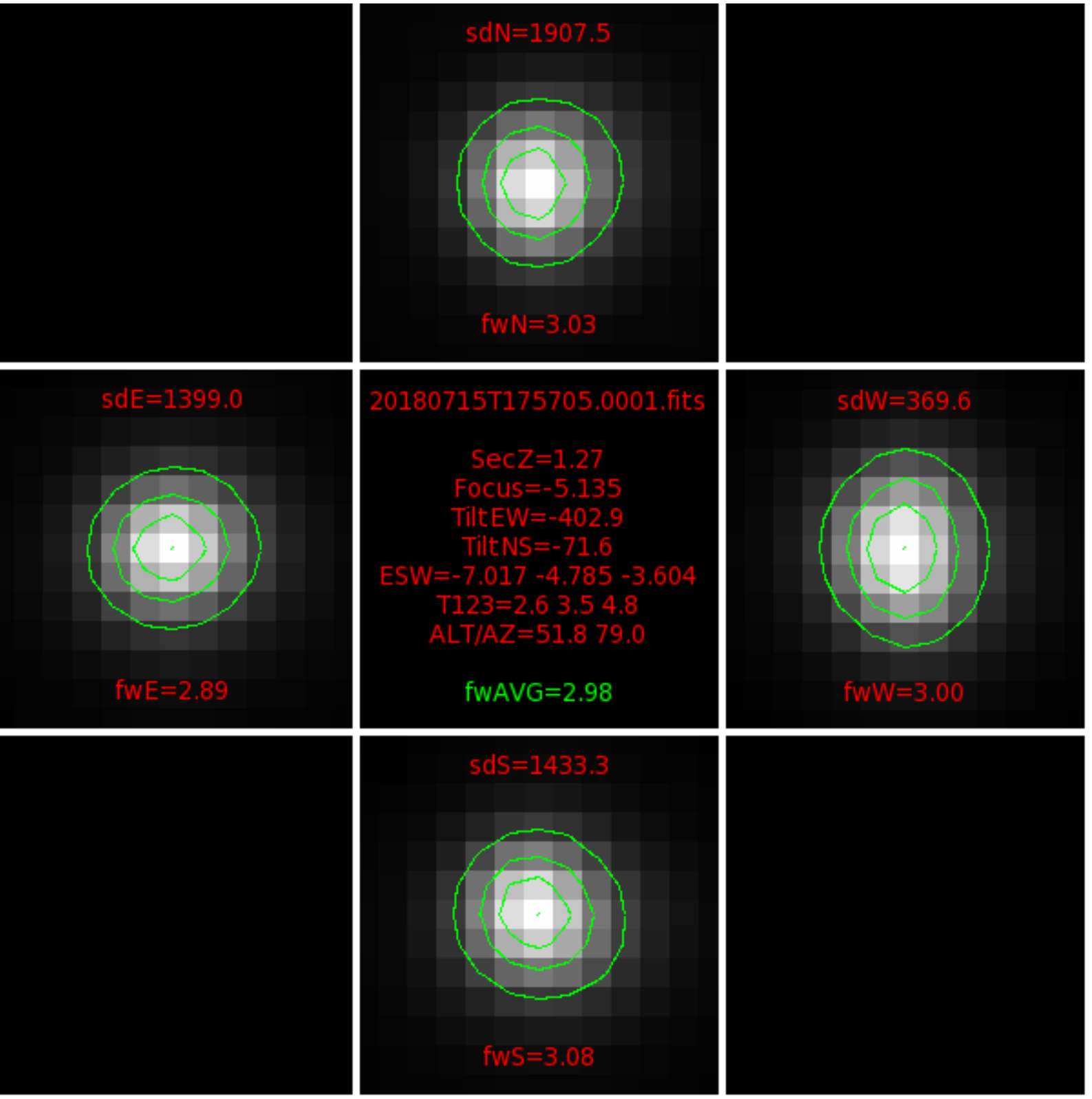
sdN=1907.5
fwN=3.03
sdE=1399.0
fwE=2.89
20180715T175705.0001.fits
SecZ=1.27
Focus=-5.135
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.017 -4.785 -3.604
T123=2.6 3.5 4.8
ALT/AZ=51.8 79.0
fwAVG=2.98
sdW=369.6
fwW=3.00
sdS=1433.3
fwS=3.08
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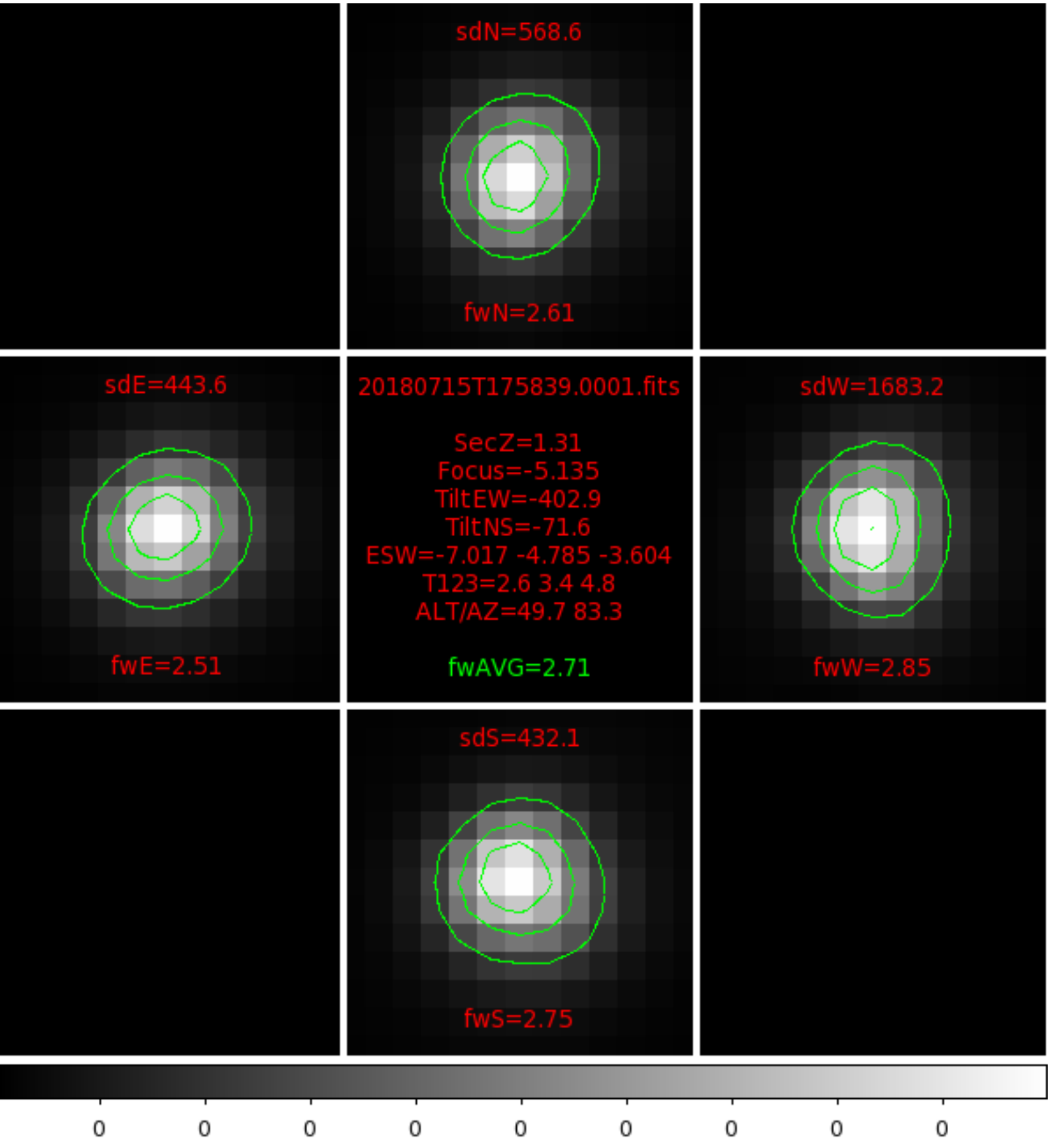
sdN=568.6
fwN=2.61
sdE=443.6
fwE=2.51
20180715T175839.0001.fits
SecZ=1.31
Focus=-5.135
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.017 -4.785 -3.604
T123=2.6 3.4 4.8
ALT/AZ=49.7 83.3
fwAVG=2.71
sdW=1683.2
fwW=2.85
sdS=432.1
fwS=2.75
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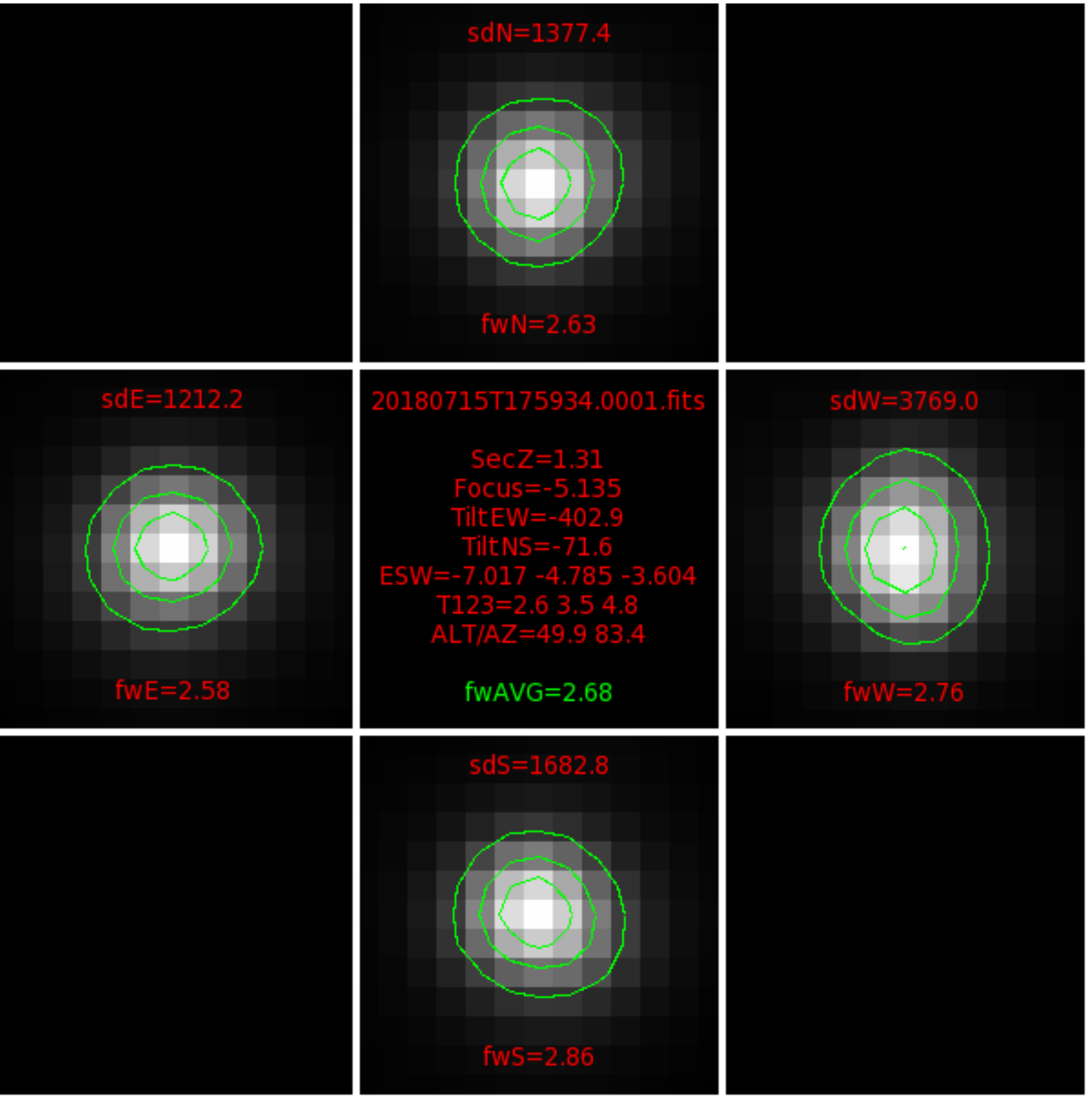
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fwN=2.63
sdE=1212.2
fwE=2.58
20180715T175934.0001.fits
SecZ=1.31
Focus=-5.135
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.017 -4.785 -3.604
T123=2.6 3.5 4.8
ALT/AZ=49.9 83.4
fwAVG=2.68
sdW=3769.0
fwW=2.76
sdS=1682.8
fwS=2.86
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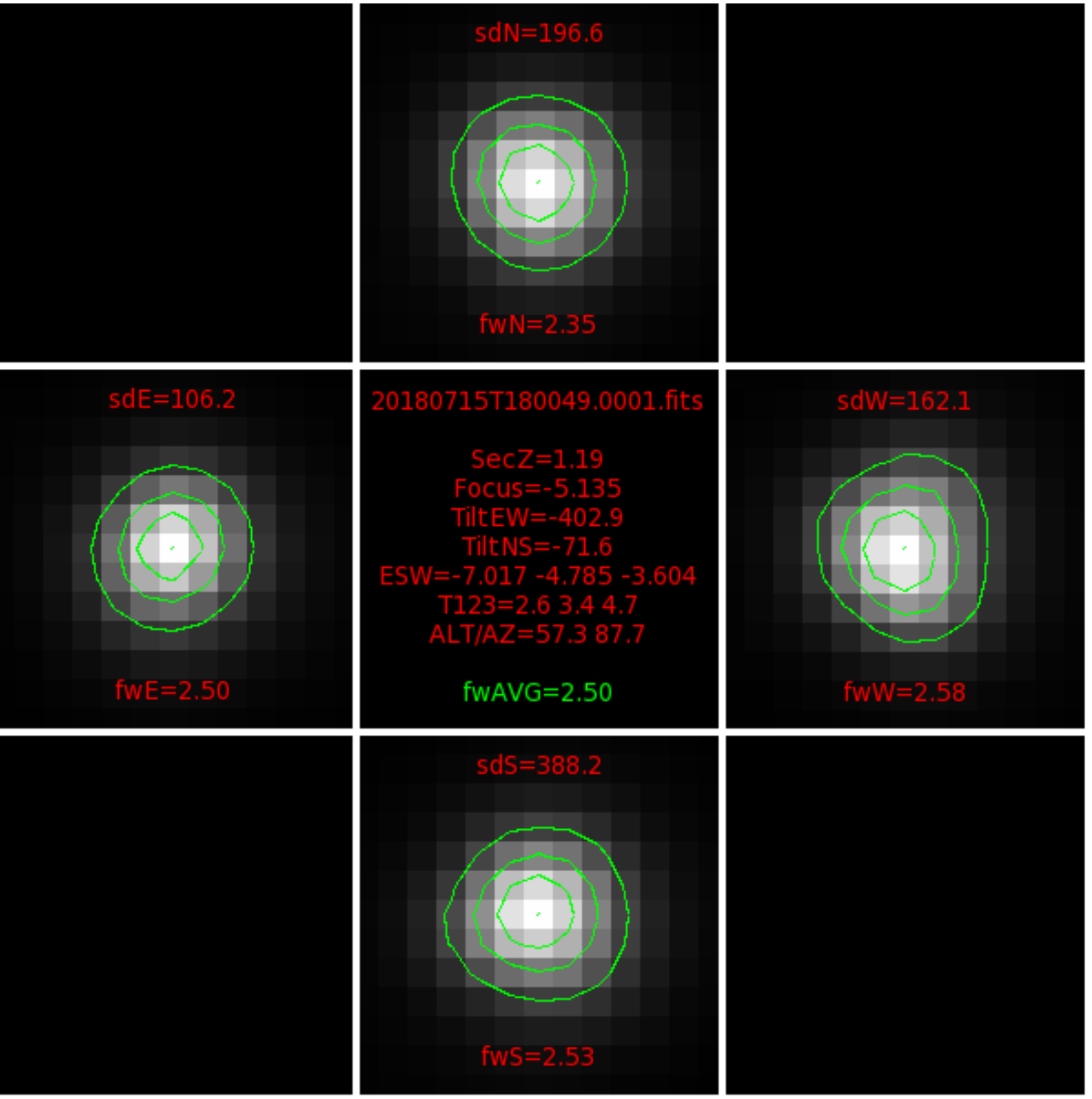
sdN=196.6
fwN=2.35
sdE=106.2
fwE=2.50
20180715T180049.0001.fits
SecZ=1.19
Focus=-5.135
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.017 -4.785 -3.604
T123=2.6 3.4 4.7
ALT/AZ=57.3 87.7
fwAVG=2.50
sdW=162.1
fwW=2.58
sdS=388.2
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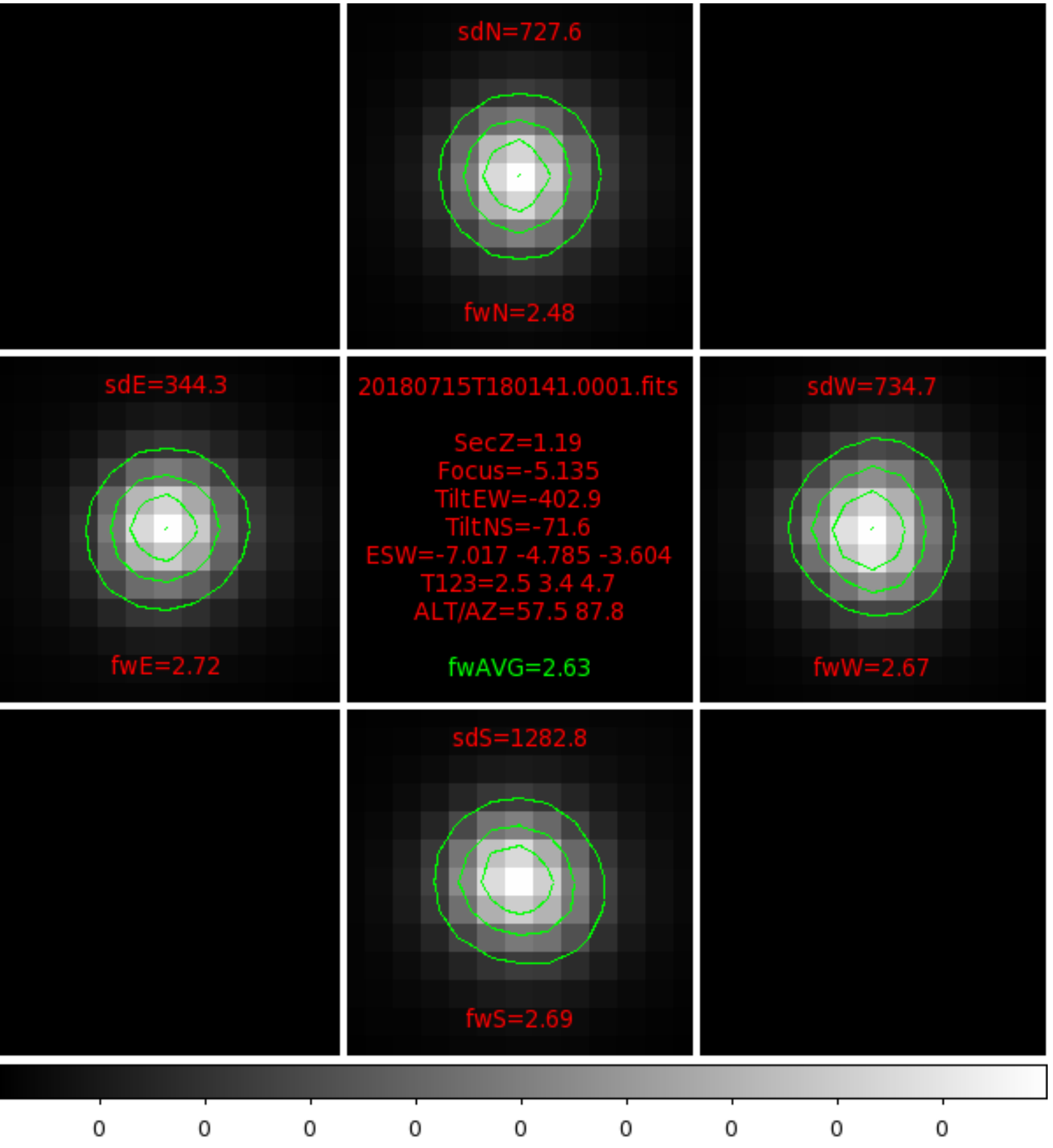
sdN=727.6
fwN=2.48
sdE=344.3
fwE=2.72
20180715T180141.0001.fits
SecZ=1.19
Focus=-5.135
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.017 -4.785 -3.604
T123=2.5 3.4 4.7
ALT/AZ=57.5 87.8
fwAVG=2.63
sdW=734.7
fwW=2.67
sdS=1282.8
fwS=2.69
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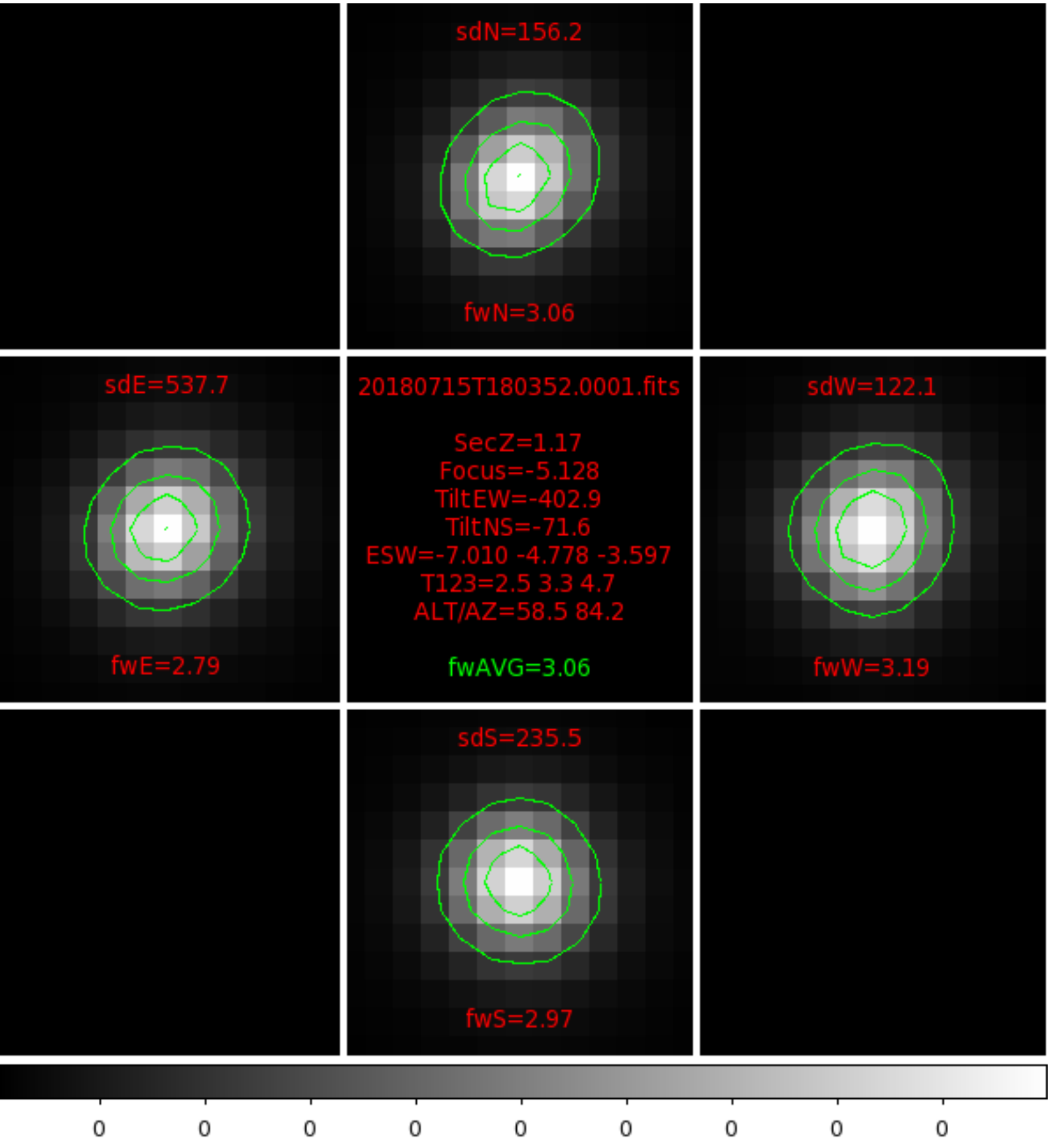
sdN=156.2
fwN=3.06
sdE=537.7
fwE=2.79
20180715T180352.0001.fits
SecZ=1.17
Focus=-5.128
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.010 -4.778 -3.597
T123=2.5 3.3 4.7
ALT/AZ=58.5 84.2
fwAVG=3.06
sdW=122.1
fwW=3.19
sdS=235.5
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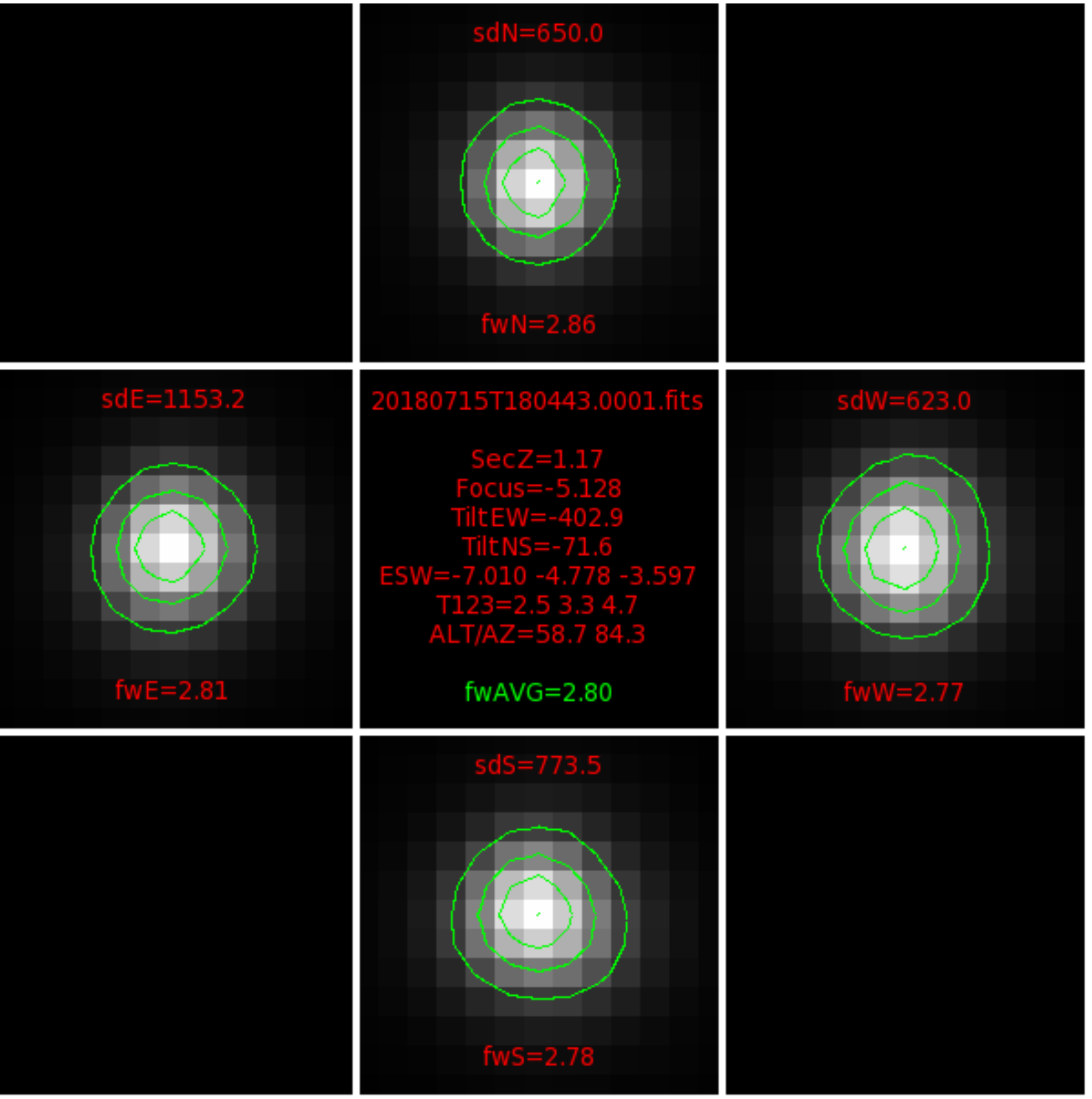
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fwN=2.86
sdE=1153.2
fwE=2.81
20180715T180443.0001.fits
SecZ=1.17
Focus=-5.128
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.010 -4.778 -3.597
T123=2.5 3.3 4.7
ALT/AZ=58.7 84.3
fwAVG=2.80
sdW=623.0
fwW=2.77
sdS=773.5
fwS=2.78
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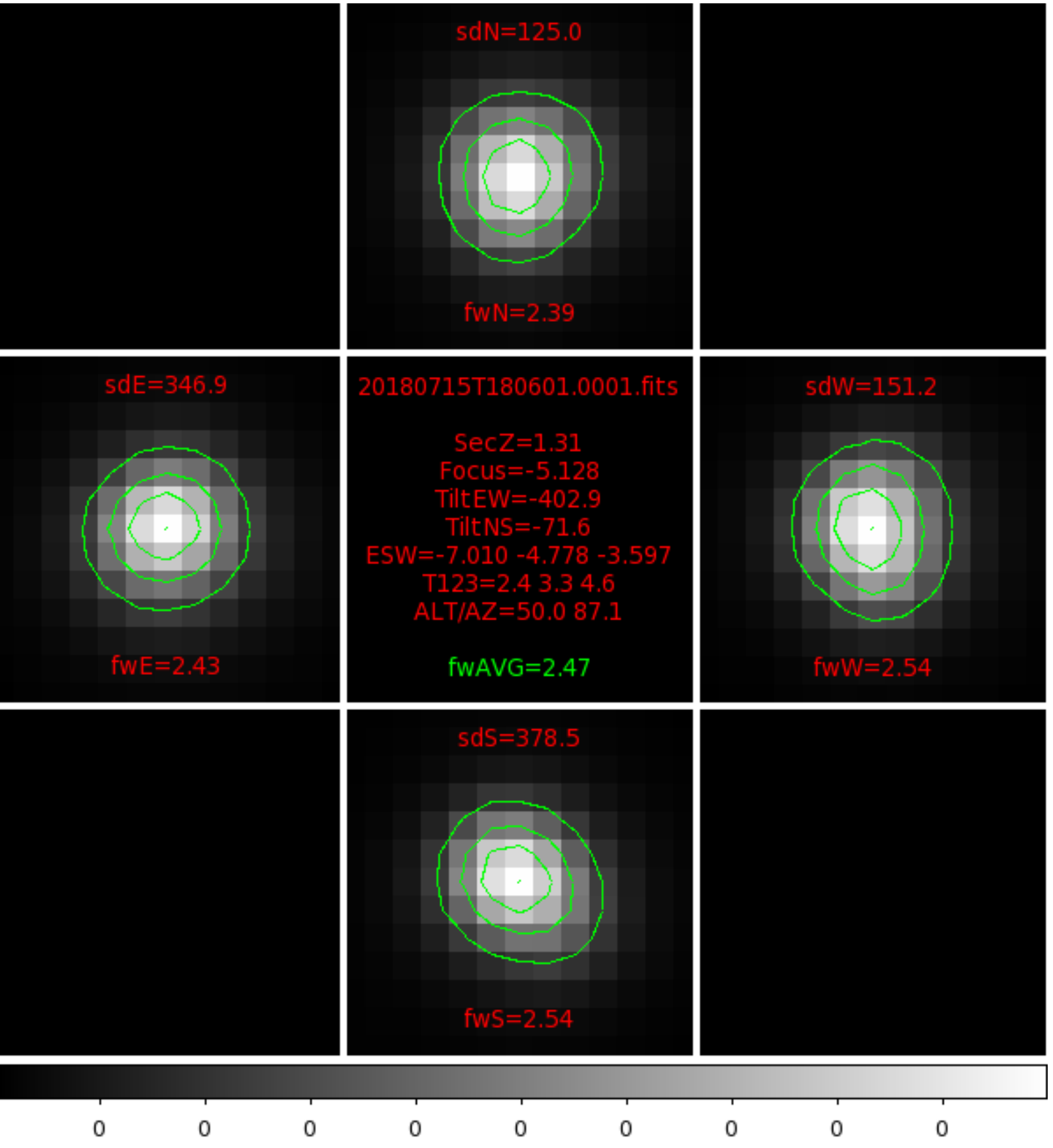
sdN=125.0
fwN=2.39
sdE=346.9
fwE=2.43
20180715T180601.0001.fits
SecZ=1.31
Focus=-5.128
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.010 -4.778 -3.597
T123=2.4 3.3 4.6
ALT/AZ=50.0 87.1
fwAVG=2.47
sdW=151.2
fwW=2.54
sdS=378.5
fwS=2.54
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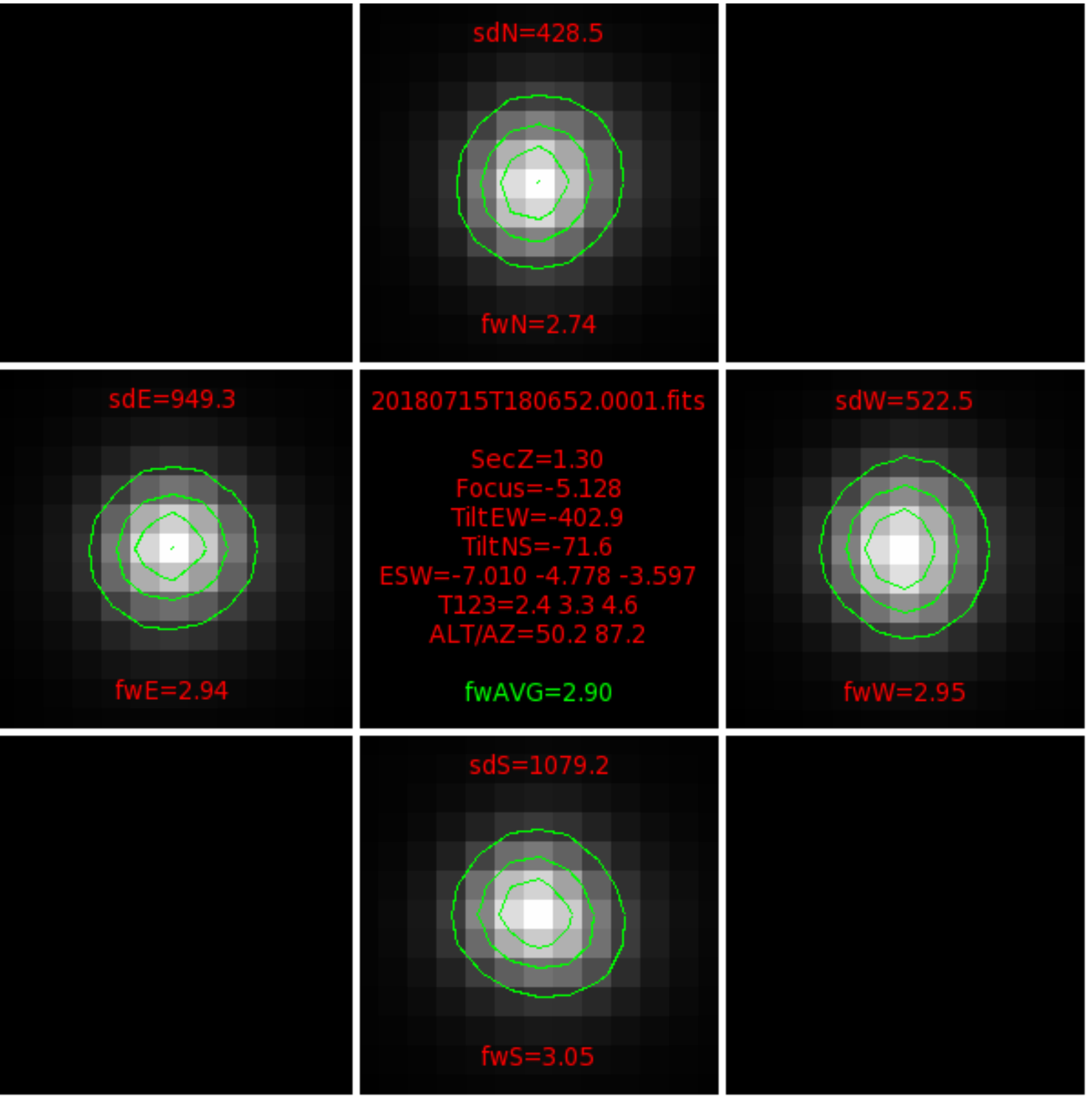
sdN=428.5
fwN=2.74
sdE=949.3
fwE=2.94
20180715T180652.0001.fits
SecZ=1.30
Focus=-5.128
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.010 -4.778 -3.597
T123=2.4 3.3 4.6
ALT/AZ=50.2 87.2
fwAVG=2.90
sdW=522.5
fwW=2.95
sdS=1079.2
fwS=3.05
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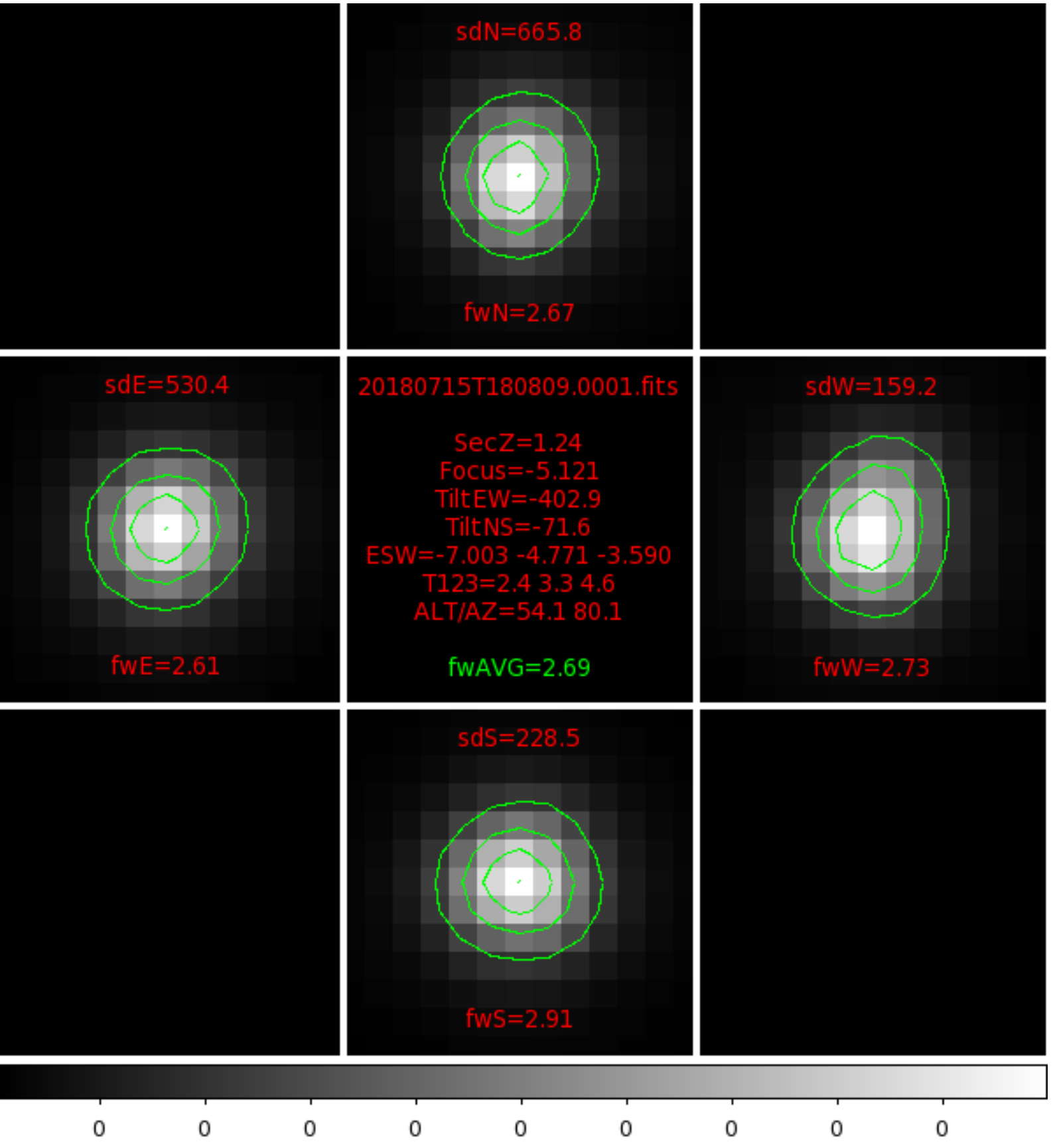
sdN=665.8
fwN=2.67
sdE=530.4
fwE=2.61
20180715T180809.0001.fits
SecZ=1.24
Focus=-5.121
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.003 -4.771 -3.590
T123=2.4 3.3 4.6
ALT/AZ=54.1 80.1
fwAVG=2.69
sdW=159.2
fwW=2.73
sdS=228.5
fwS=2.91
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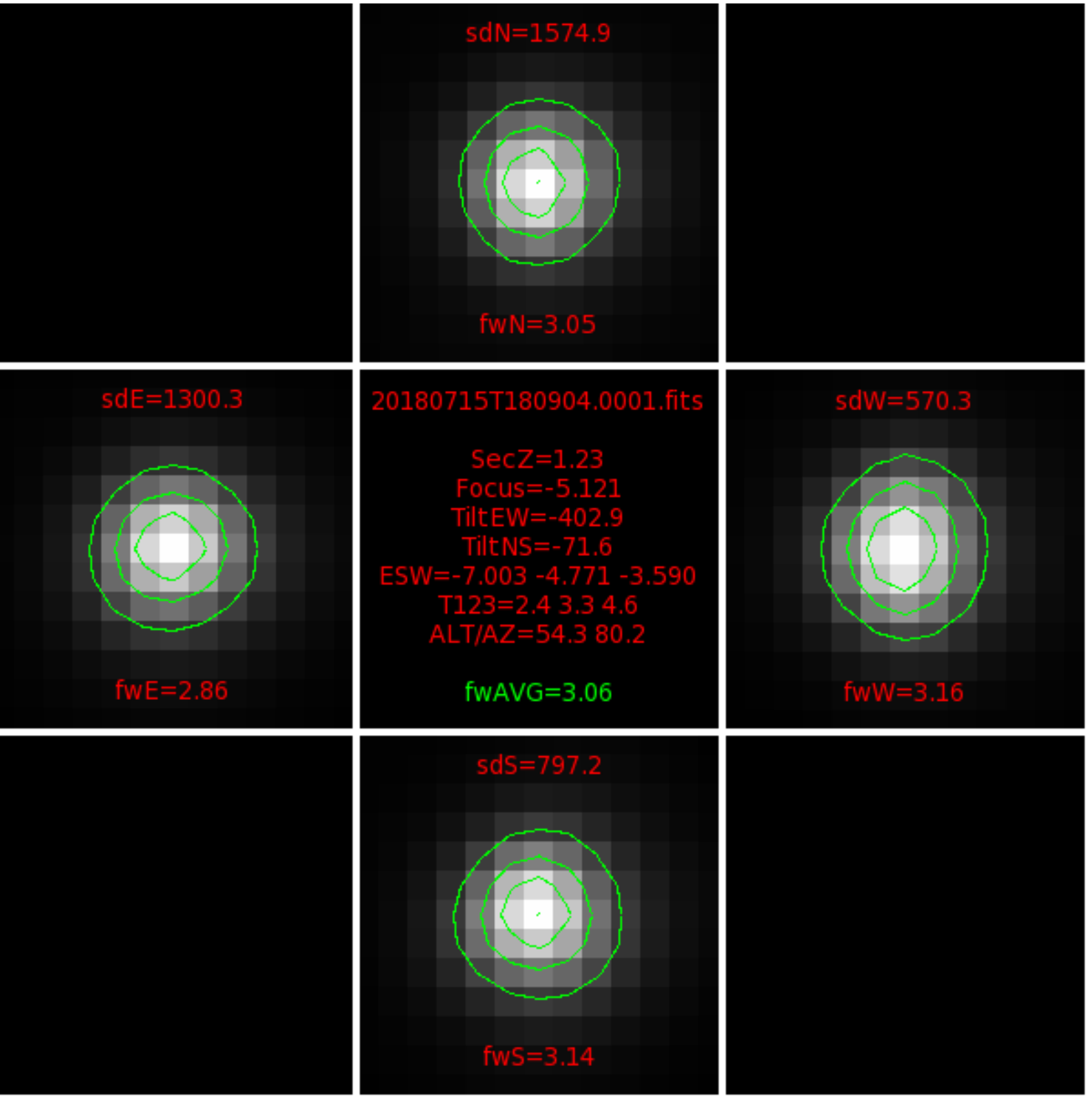
sdN=1574.9
fwN=3.05
sdE=1300.3
fwE=2.86
20180715T180904.0001.fits
SecZ=1.23
Focus=-5.121
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.003 -4.771 -3.590
T123=2.4 3.3 4.6
ALT/AZ=54.3 80.2
fwAVG=3.06
sdW=570.3
fwW=3.16
sdS=797.2
fwS=3.14
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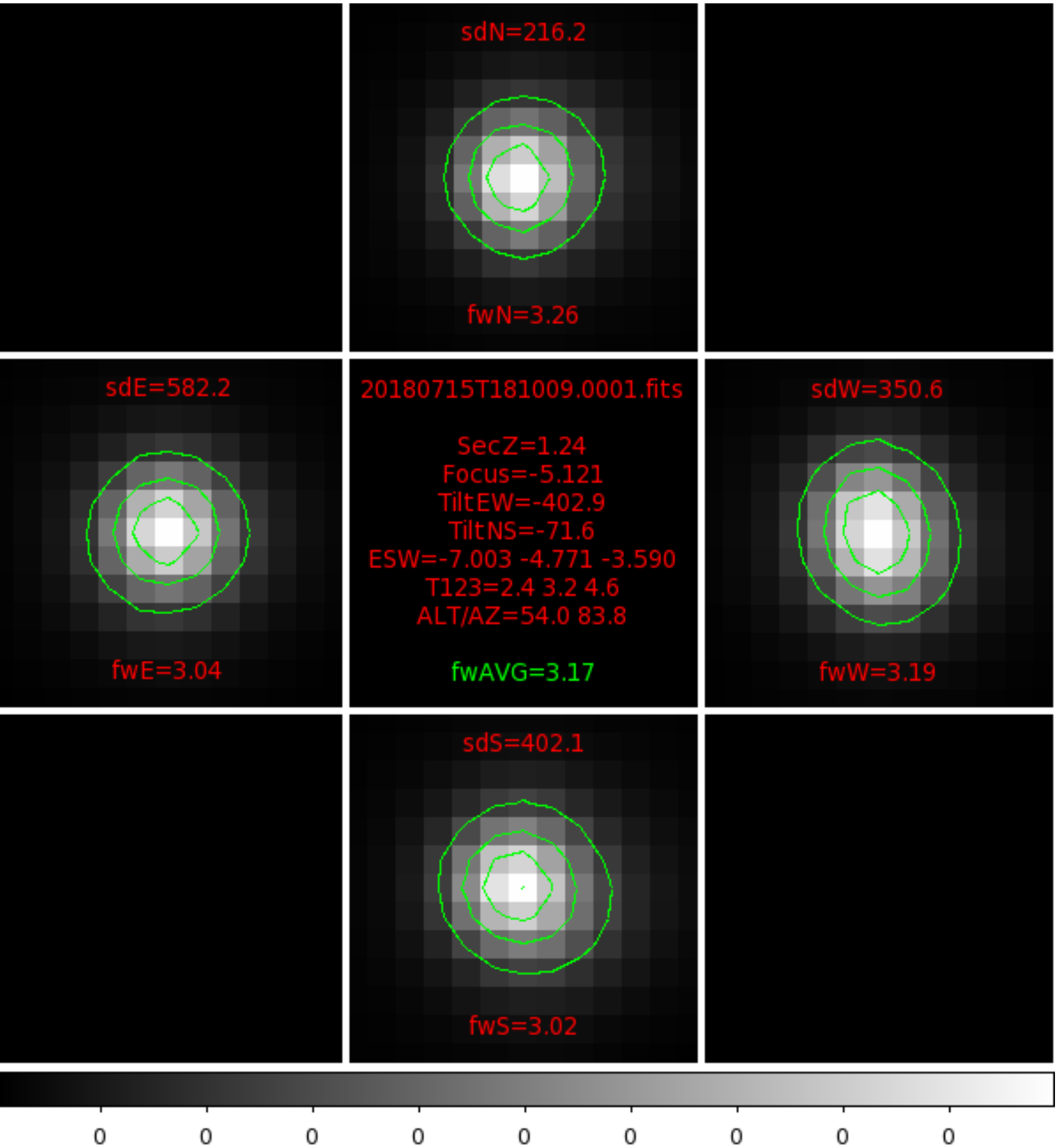
sdN=216.2
fwN=3.26
sdE=582.2
fwE=3.04
20180715T181009.0001.fits
SecZ=1.24
Focus=-5.121
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.003 -4.771 -3.590
T123=2.4 3.2 4.6
ALT/AZ=54.0 83.8
fwAVG=3.17
sdW=350.6
fwW=3.19
sdS=402.1
fwS=3.02
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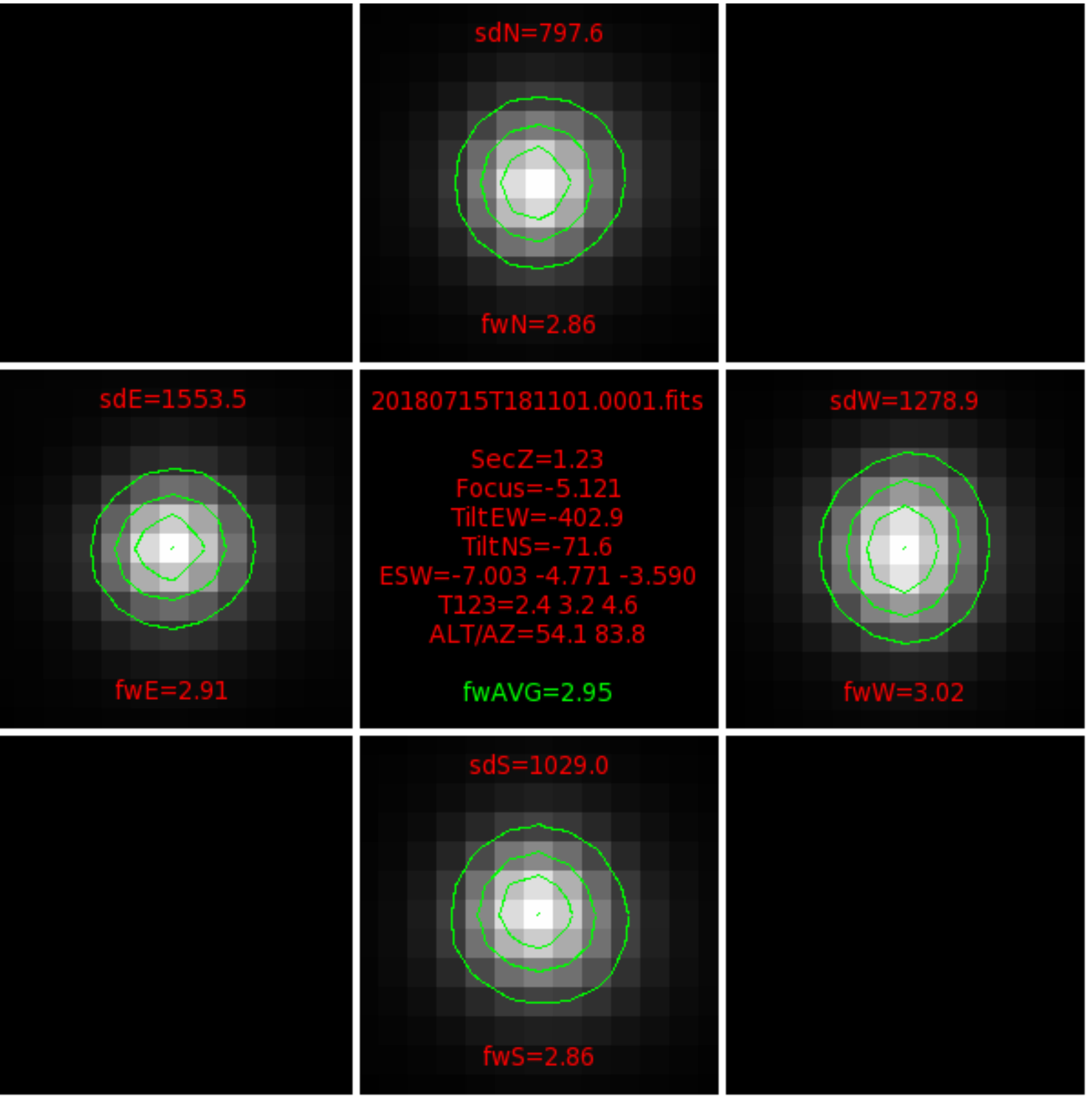
sdN=797.6
fwN=2.86
sdE=1553.5
fwE=2.91
20180715T181101.0001.fits
SecZ=1.23
Focus=-5.121
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.003 -4.771 -3.590
T123=2.4 3.2 4.6
ALT/AZ=54.1 83.8
fwAVG=2.95
sdW=1278.9
fwW=3.02
sdS=1029.0
fwS=2.86
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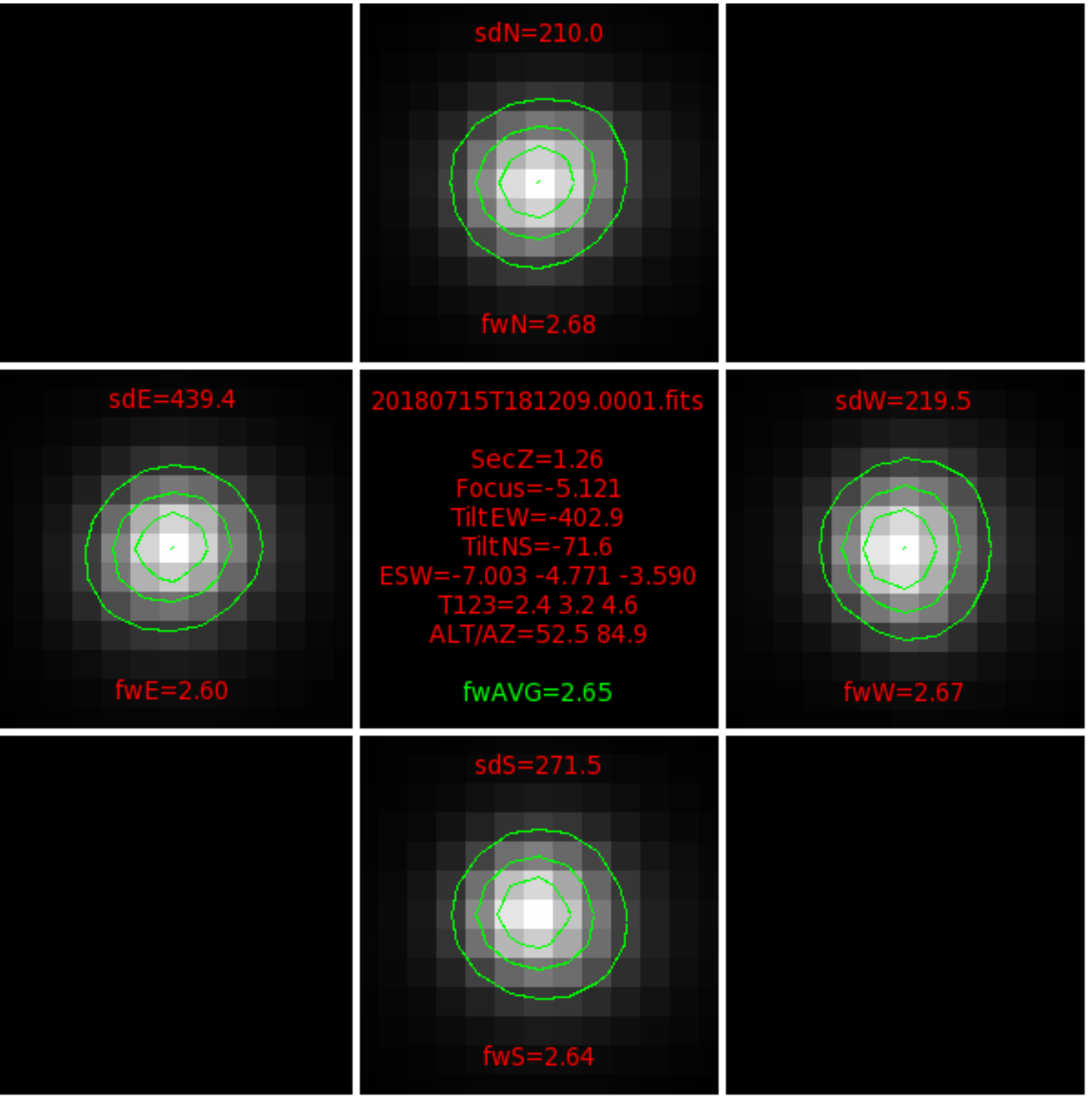
sdN=210.0
fwN=2.68
sdE=439.4
fwE=2.60
20180715T181209.0001.fits
SecZ=1.26
Focus=-5.121
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.003 -4.771 -3.590
T123=2.4 3.2 4.6
ALT/AZ=52.5 84.9
fwAVG=2.65
sdW=219.5
fwW=2.67
sdS=271.5
fwS=2.64
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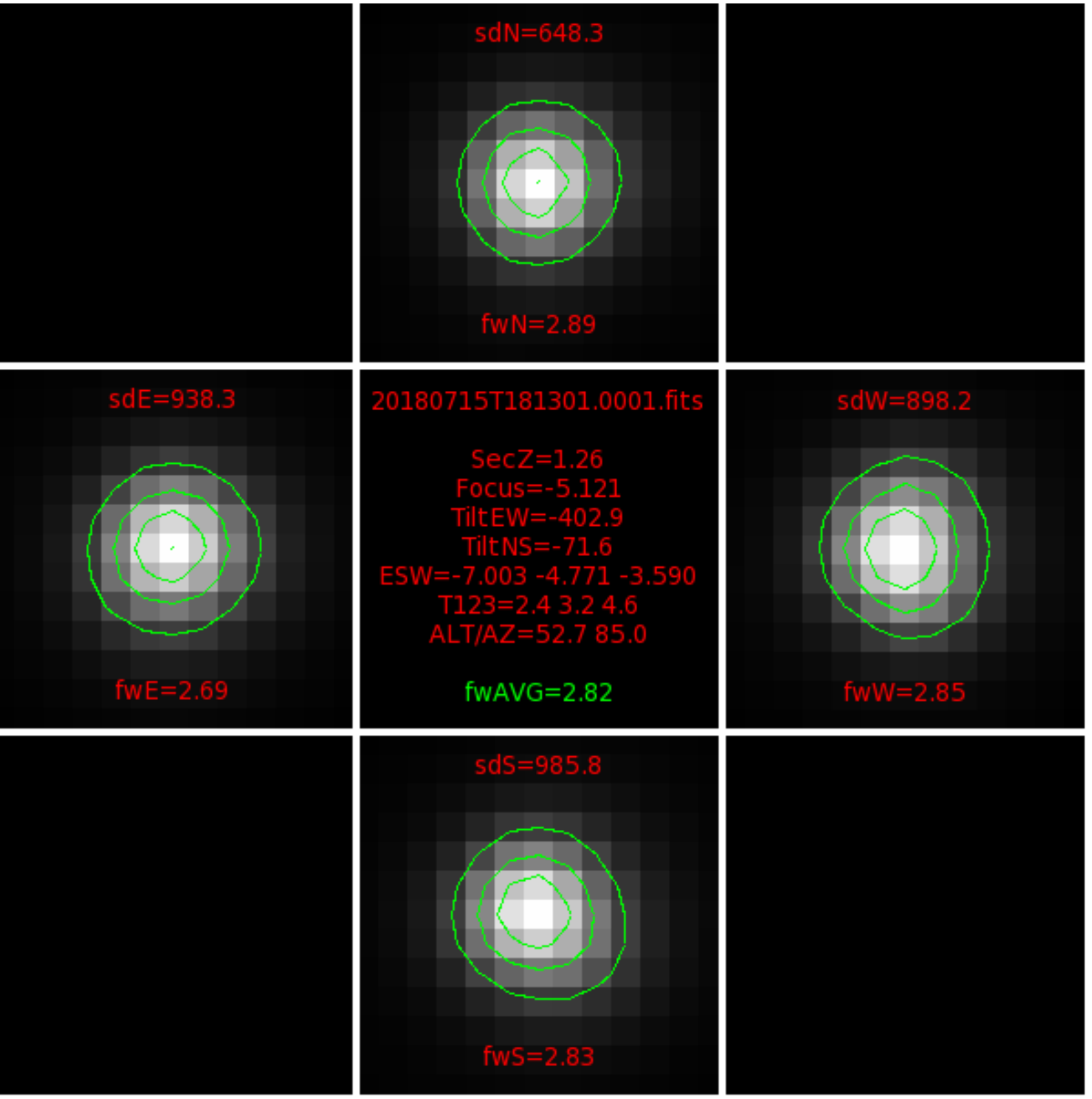
sdN=648.3
fwN=2.89
sdE=938.3
fwE=2.69
20180715T181301.0001.fits
SecZ=1.26
Focus=-5.121
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.003 -4.771 -3.590
T123=2.4 3.2 4.6
ALT/AZ=52.7 85.0
fwAVG=2.82
sdW=898.2
fwW=2.85
sdS=985.8
fwS=2.83
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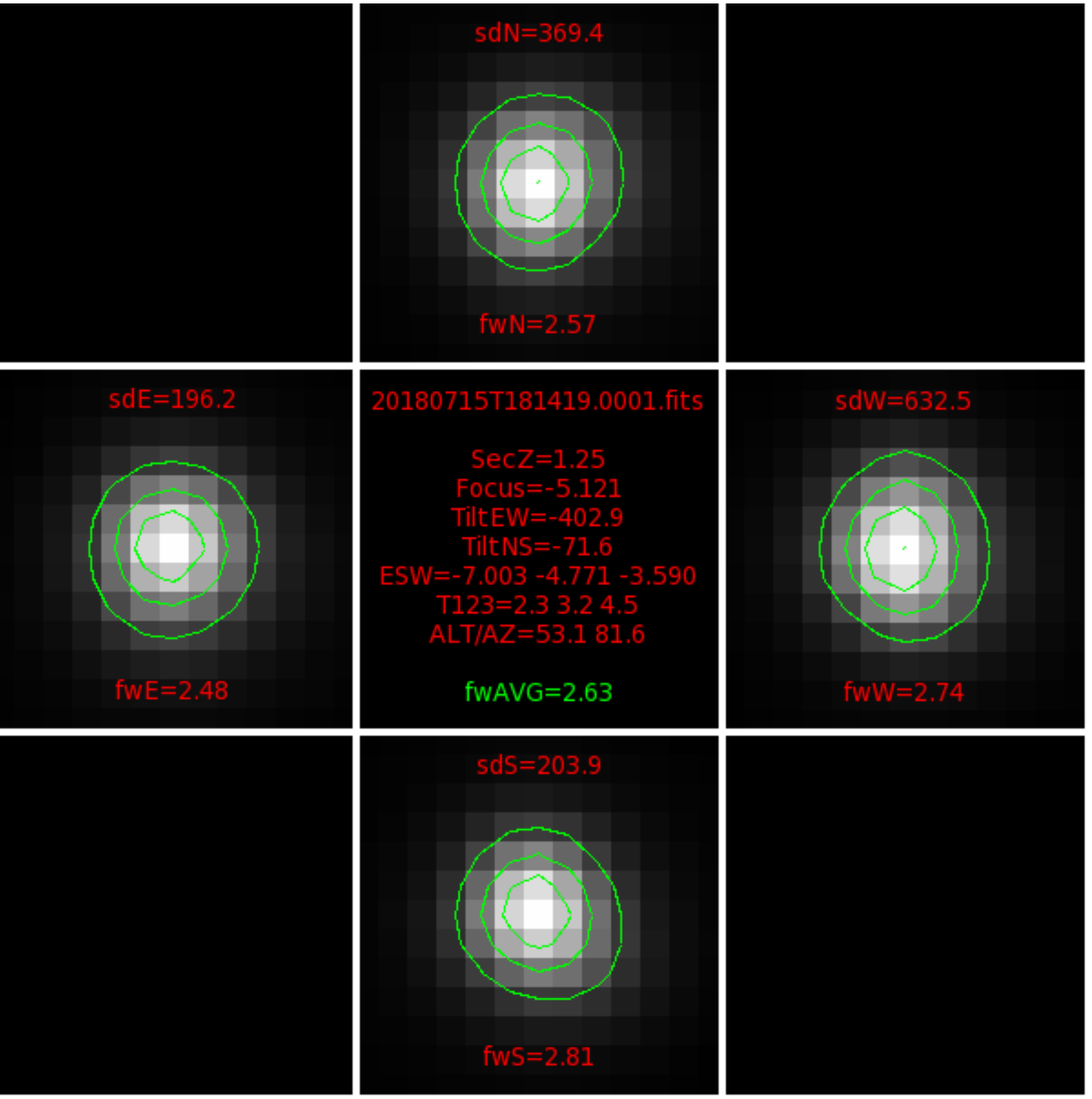
sdN=369.4
fwN=2.57
sdE=196.2
fwE=2.48
20180715T181419.0001.fits
SecZ=1.25
Focus=-5.121
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.003 -4.771 -3.590
T123=2.3 3.2 4.5
ALT/AZ=53.1 81.6
fwAVG=2.63
sdW=632.5
fwW=2.74
sdS=203.9
fwS=2.81
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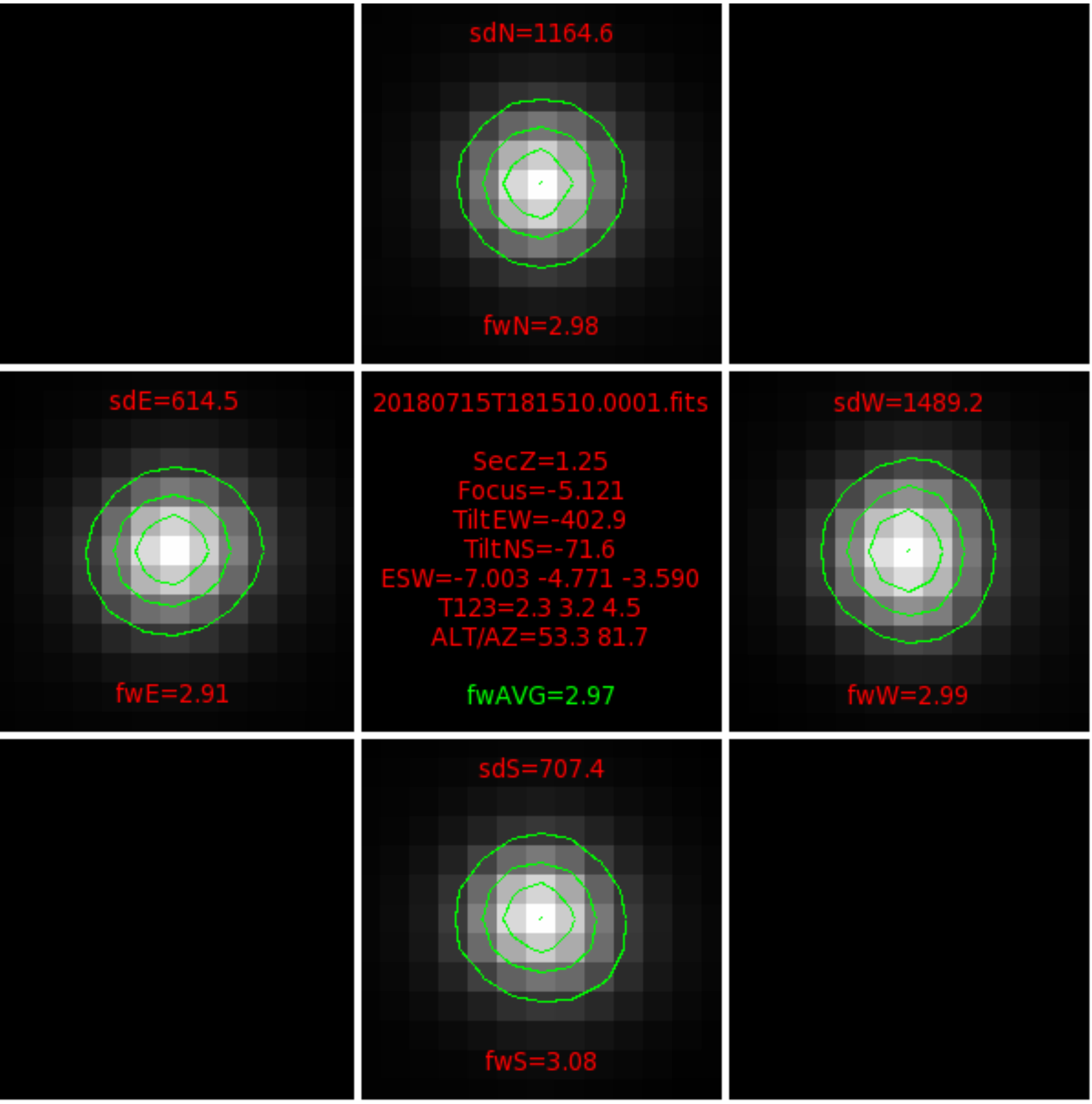
sdN=1164.6
fwN=2.98
sdE=614.5
fwE=2.91
20180715T181510.0001.fits
SecZ=1.25
Focus=-5.121
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.003 -4.771 -3.590
T123=2.3 3.2 4.5
ALT/AZ=53.3 81.7
fwAVG=2.97
sdW=1489.2
fwW=2.99
sdS=707.4
fwS=3.08
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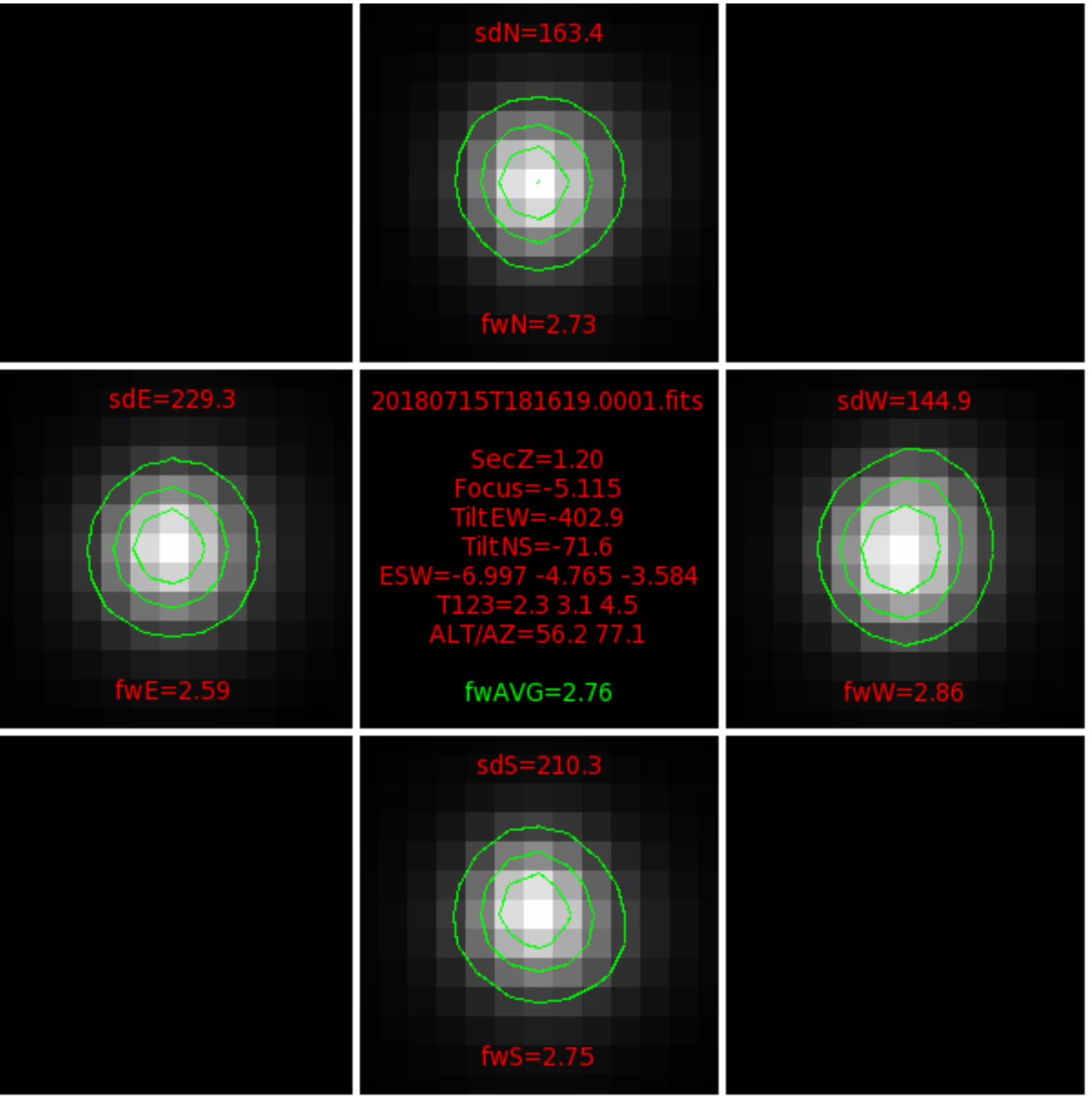
sdN=163.4
fwN=2.73
sdE=229.3
fwE=2.59
20180715T181619.0001.fits
SecZ=1.20
Focus=-5.115
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.997 -4.765 -3.584
T123=2.3 3.1 4.5
ALT/AZ=56.2 77.1
fwAVG=2.76
sdW=144.9
fwW=2.86
sdS=210.3
fwS=2.75
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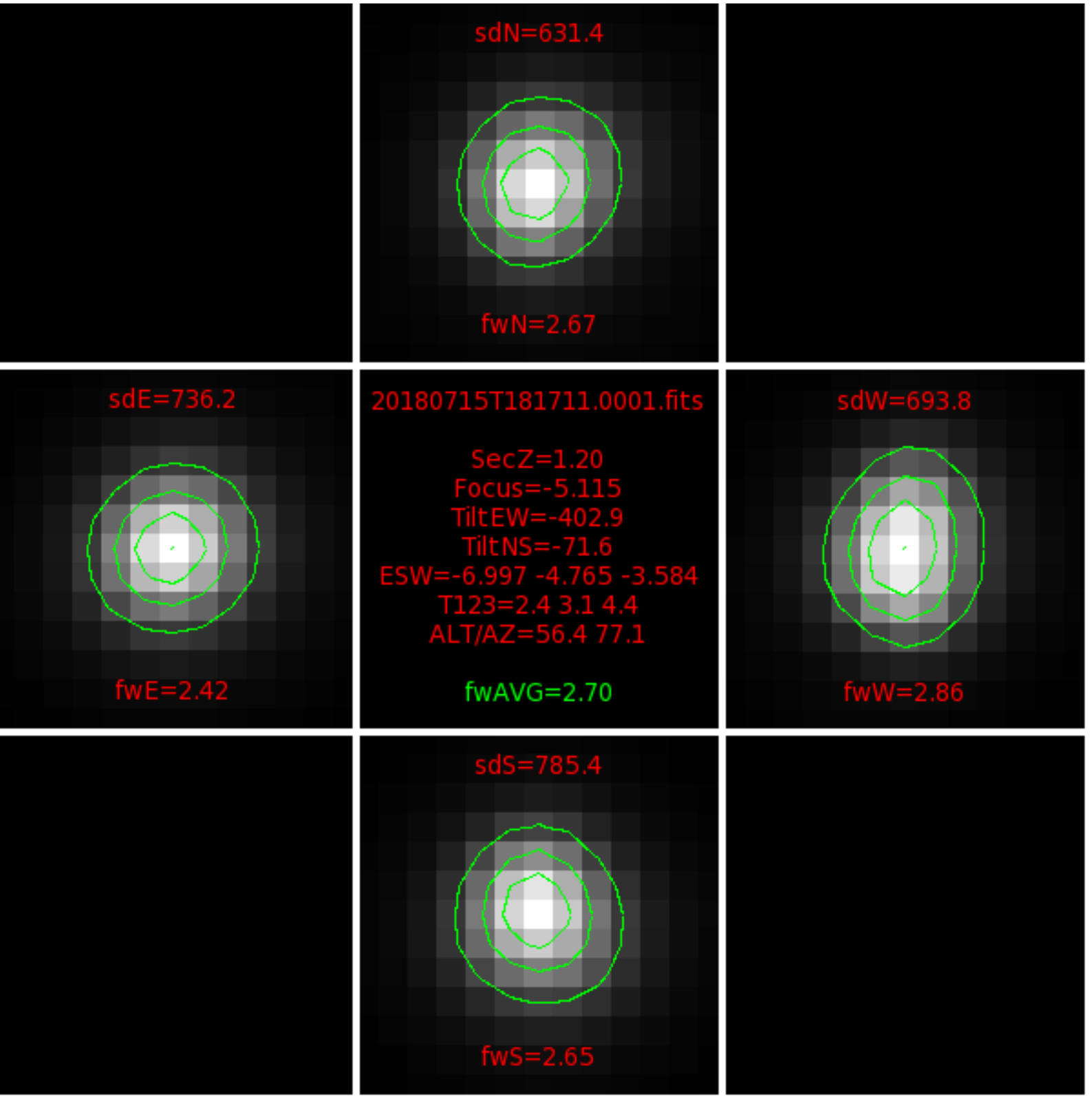
sdN=631.4
fwN=2.67
sdE=736.2
fwE=2.42
20180715T181711.0001.fits
SecZ=1.20
Focus=-5.115
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.997 -4.765 -3.584
T123=2.4 3.1 4.4
ALT/AZ=56.4 77.1
fwAVG=2.70
sdW=693.8
fwW=2.86
sdS=785.4
fwS=2.65
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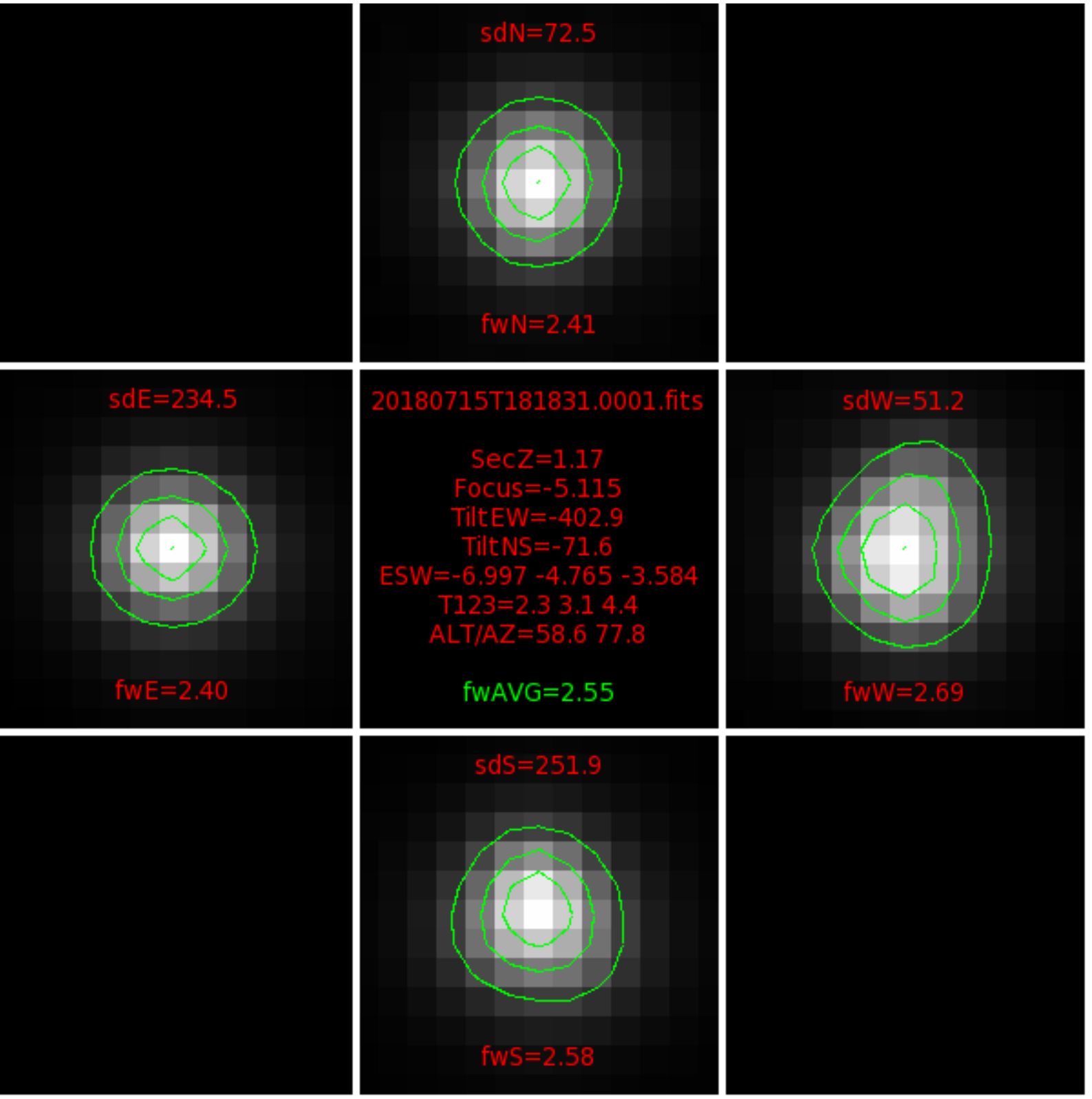
sdN=72.5
fwN=2.41
sdE=234.5
fwE=2.40
20180715T181831.0001.fits
SecZ=1.17
Focus=-5.115
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.997 -4.765 -3.584
T123=2.3 3.1 4.4
ALT/AZ=58.6 77.8
fwAVG=2.55
sdW=51.2
fwW=2.69
sdS=251.9
fwS=2.58
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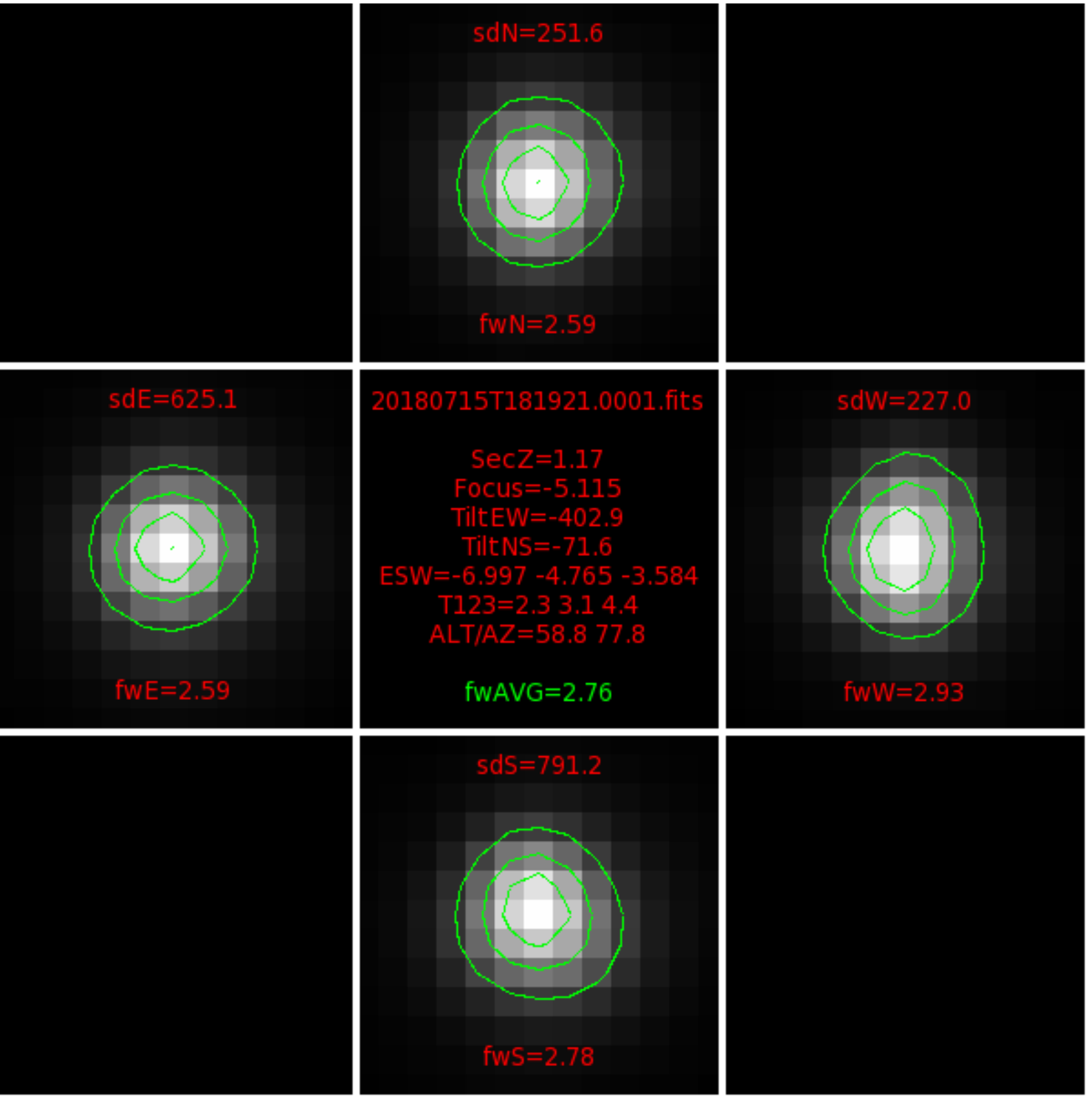
sdN=251.6
fwN=2.59
sdE=625.1
fwE=2.59
20180715T181921.0001.fits
SecZ=1.17
Focus=-5.115
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.997 -4.765 -3.584
T123=2.3 3.1 4.4
ALT/AZ=58.8 77.8
fwAVG=2.76
sdW=227.0
fwW=2.93
sdS=791.2
fwS=2.78
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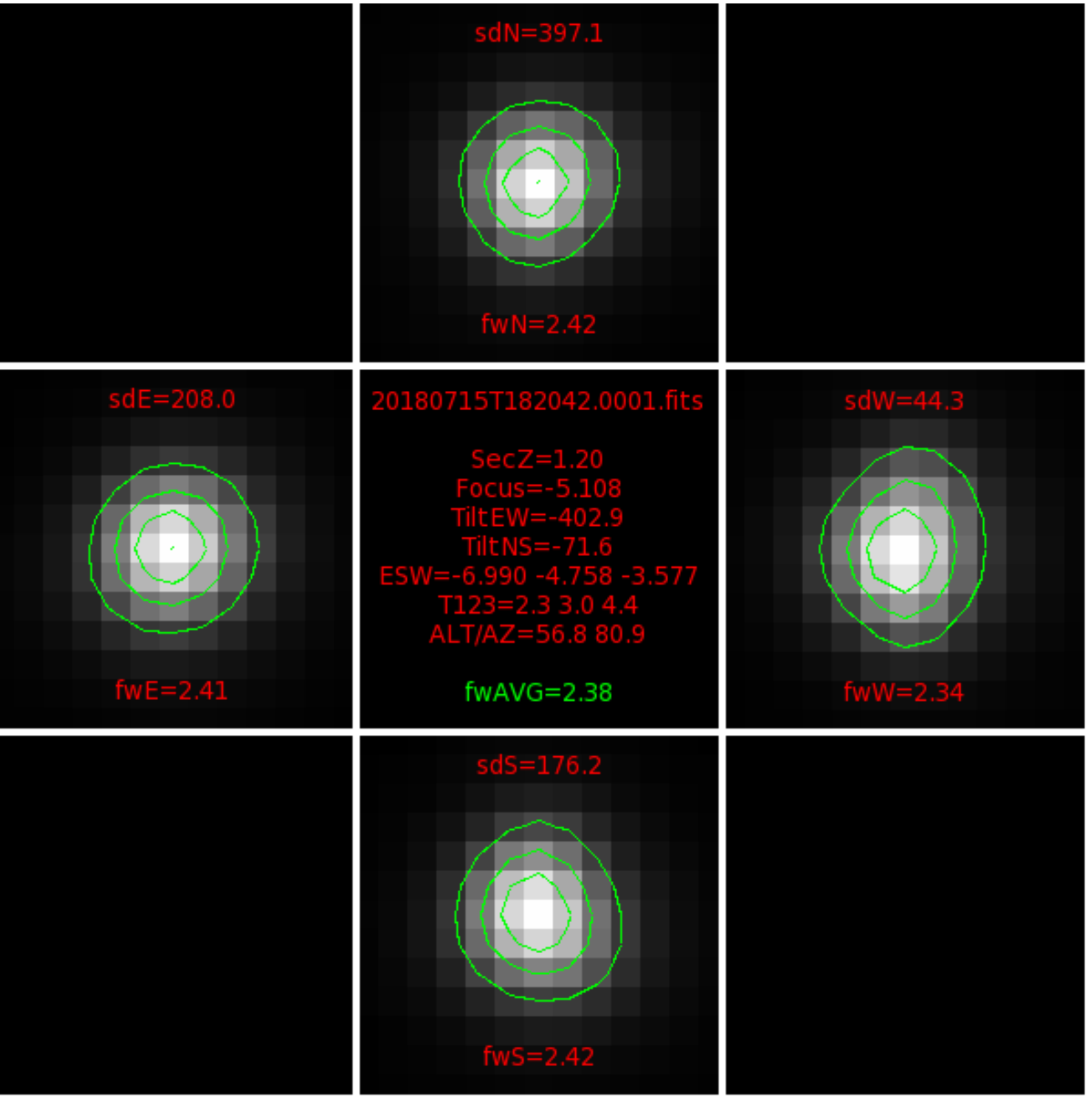
sdN=397.1
fwN=2.42
sdE=208.0
fwE=2.41
20180715T182042.0001.fits
SecZ=1.20
Focus=-5.108
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.990 -4.758 -3.577
T123=2.3 3.0 4.4
ALT/AZ=56.8 80.9
fwAVG=2.38
sdW=44.3
fwW=2.34
sdS=176.2
fwS=2.42
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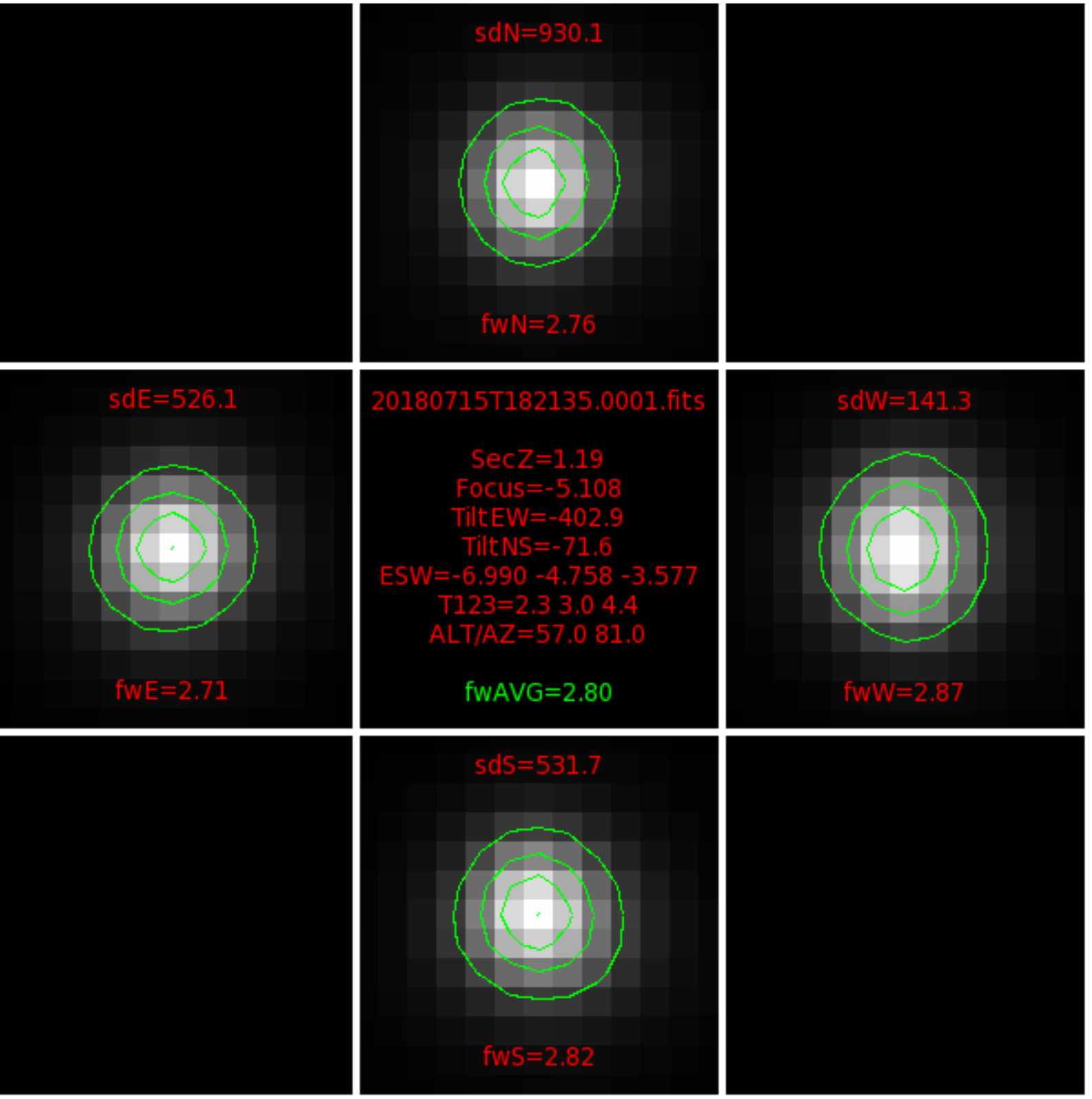
sdN=930.1
fwN=2.76
sdE=526.1
fwE=2.71
20180715T182135.0001.fits
SecZ=1.19
Focus=-5.108
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.990 -4.758 -3.577
T123=2.3 3.0 4.4
ALT/AZ=57.0 81.0
fwAVG=2.80
sdW=141.3
fwW=2.87
sdS=531.7
fwS=2.82
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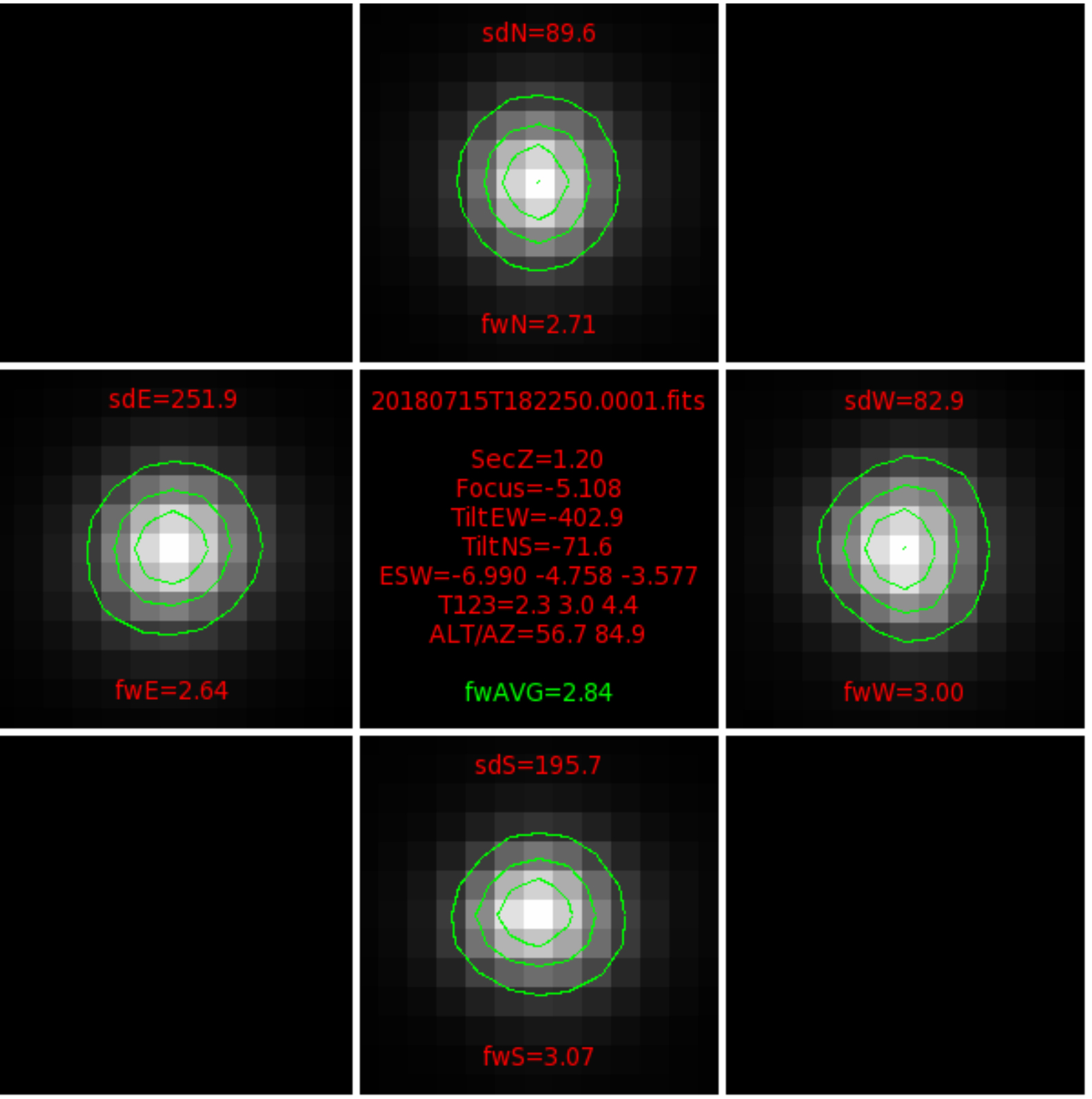
sdN=89.6
fwN=2.71
sdE=251.9
fwE=2.64
20180715T182250.0001.fits
SecZ=1.20
Focus=-5.108
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.990 -4.758 -3.577
T123=2.3 3.0 4.4
ALT/AZ=56.7 84.9
fwAVG=2.84
sdW=82.9
fwW=3.00
sdS=195.7
fwS=3.07
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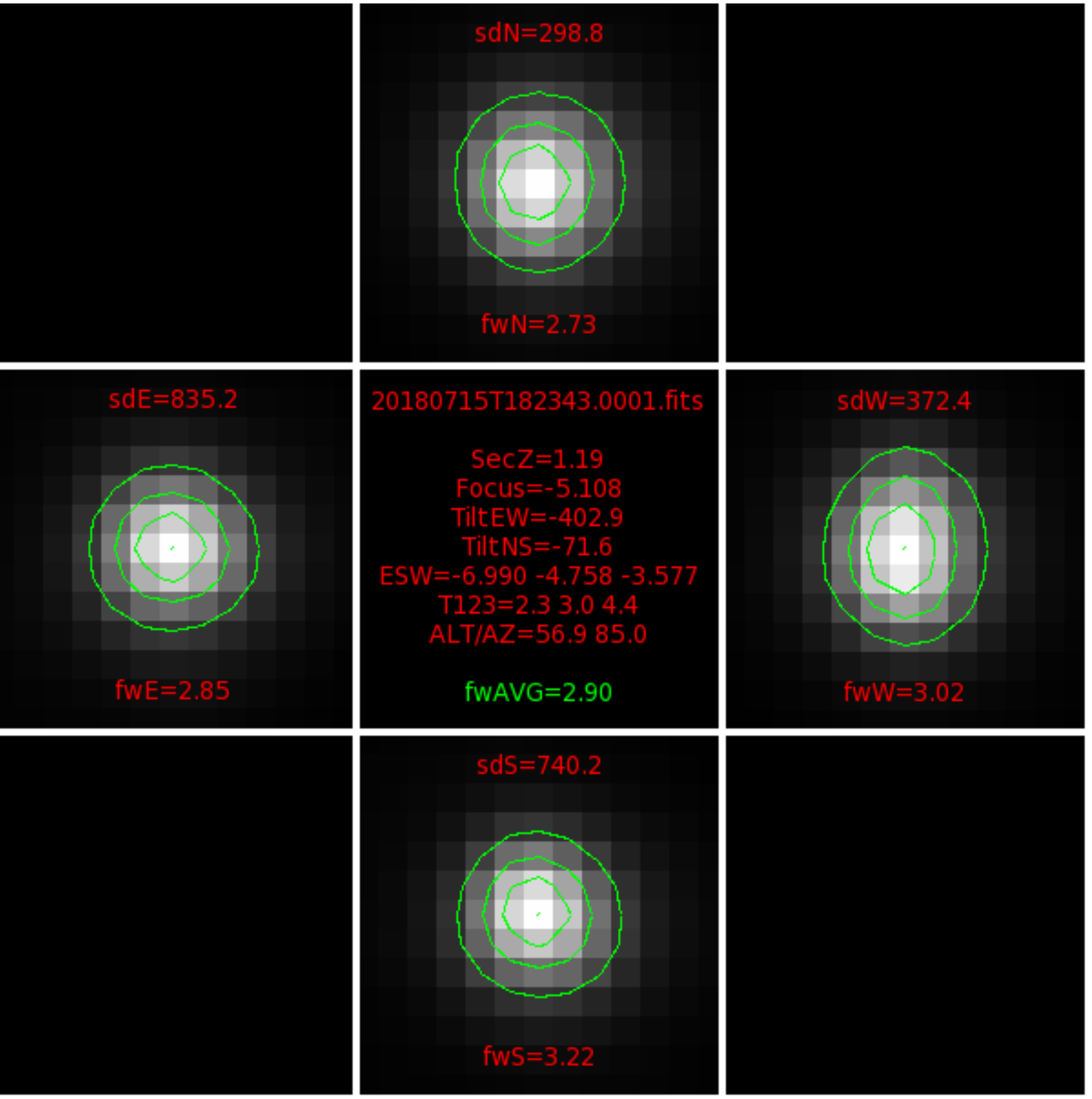
sdN=298.8
fwN=2.73
sdE=835.2
fwE=2.85
20180715T182343.0001.fits
SecZ=1.19
Focus=-5.108
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.990 -4.758 -3.577
T123=2.3 3.0 4.4
ALT/AZ=56.9 85.0
fwAVG=2.90
sdW=372.4
fwW=3.02
sdS=740.2
fwS=3.22
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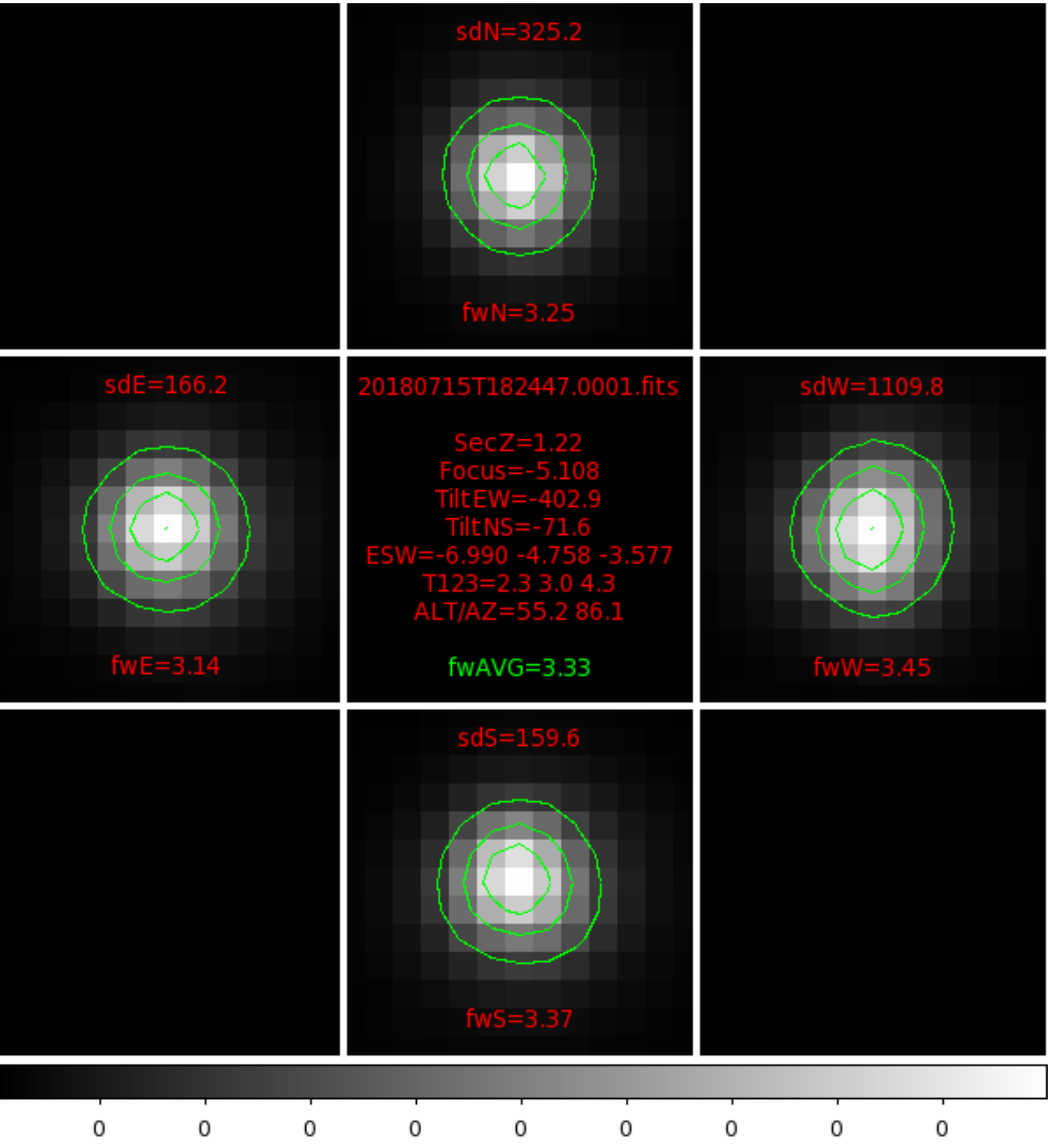
sdN=325.2
fwN=3.25
sdE=166.2
fwE=3.14
20180715T182447.0001.fits
SecZ=1.22
Focus=-5.108
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.990 -4.758 -3.577
T123=2.3 3.0 4.3
ALT/AZ=55.2 86.1
fwAVG=3.33
sdW=1109.8
fwW=3.45
sdS=159.6
fwS=3.37
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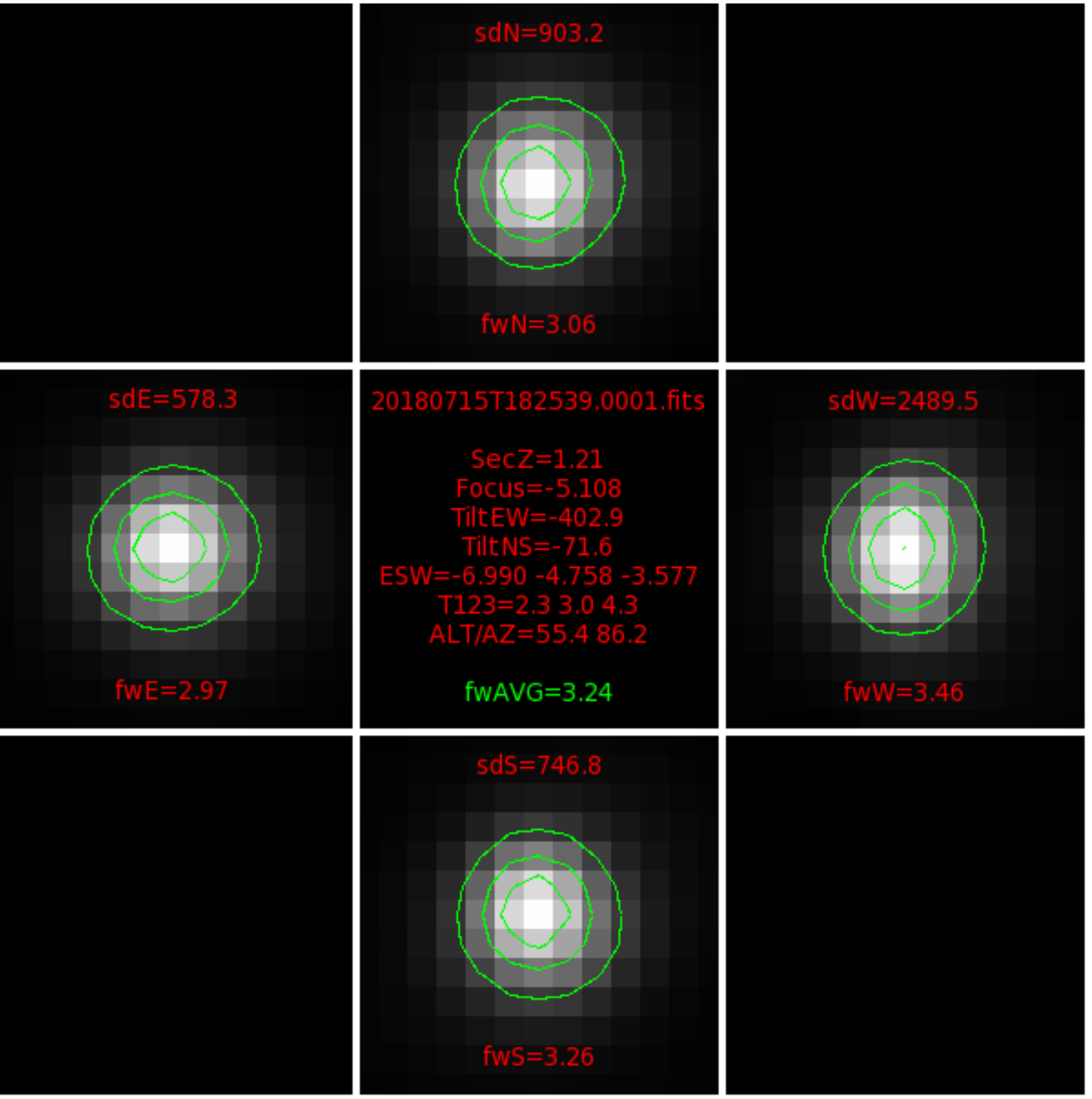
sdN=903.2
fwN=3.06
sdE=578.3
fwE=2.97
20180715T182539.0001.fits
SecZ=1.21
Focus=-5.108
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.990 -4.758 -3.577
T123=2.3 3.0 4.3
ALT/AZ=55.4 86.2
fwAVG=3.24
sdW=2489.5
fwW=3.46
sdS=746.8
fwS=3.26
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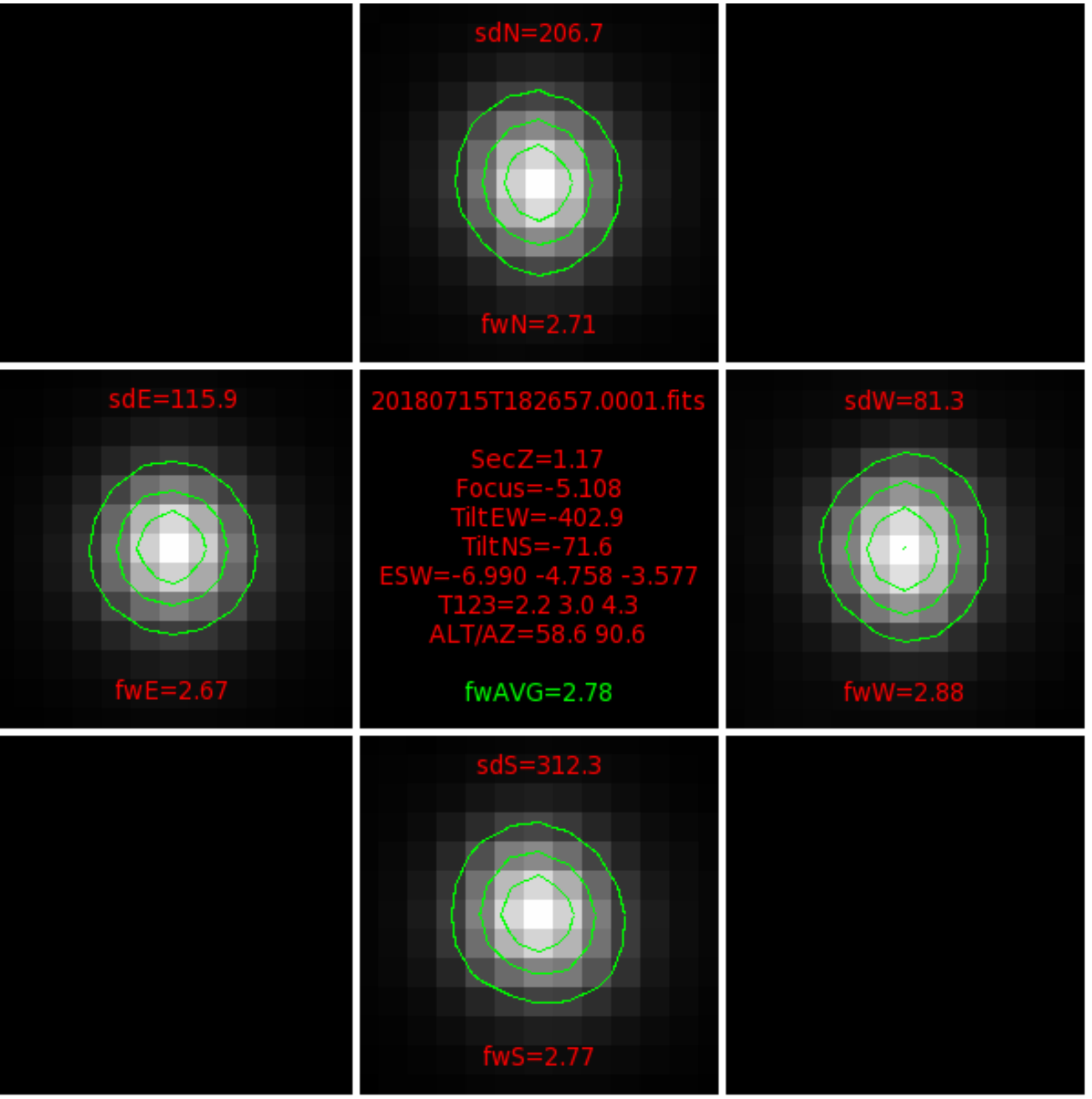
sdN=206.7
fwN=2.71
sdE=115.9
fwE=2.67
20180715T182657.0001.fits
SecZ=1.17
Focus=-5.108
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.990 -4.758 -3.577
T123=2.2 3.0 4.3
ALT/AZ=58.6 90.6
fwAVG=2.78
sdW=81.3
fwW=2.88
sdS=312.3
fwS=2.77
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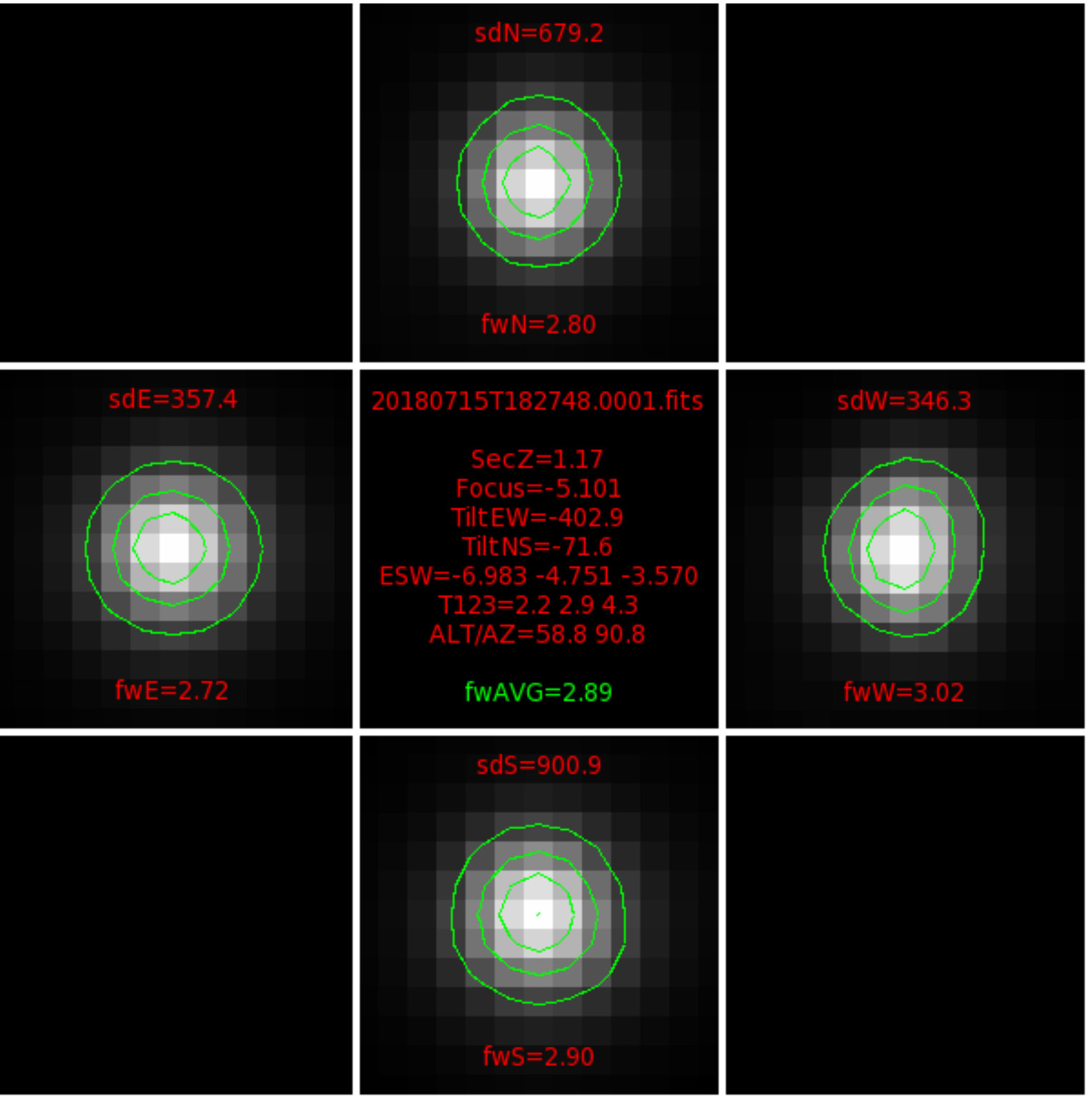
sdN=679.2
fwN=2.80
sdE=357.4
fwE=2.72
20180715T182748.0001.fits
SecZ=1.17
Focus=-5.101
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.983 -4.751 -3.570
T123=2.2 2.9 4.3
ALT/AZ=58.8 90.8
fwAVG=2.89
sdW=346.3
fwW=3.02
sdS=900.9
fwS=2.90
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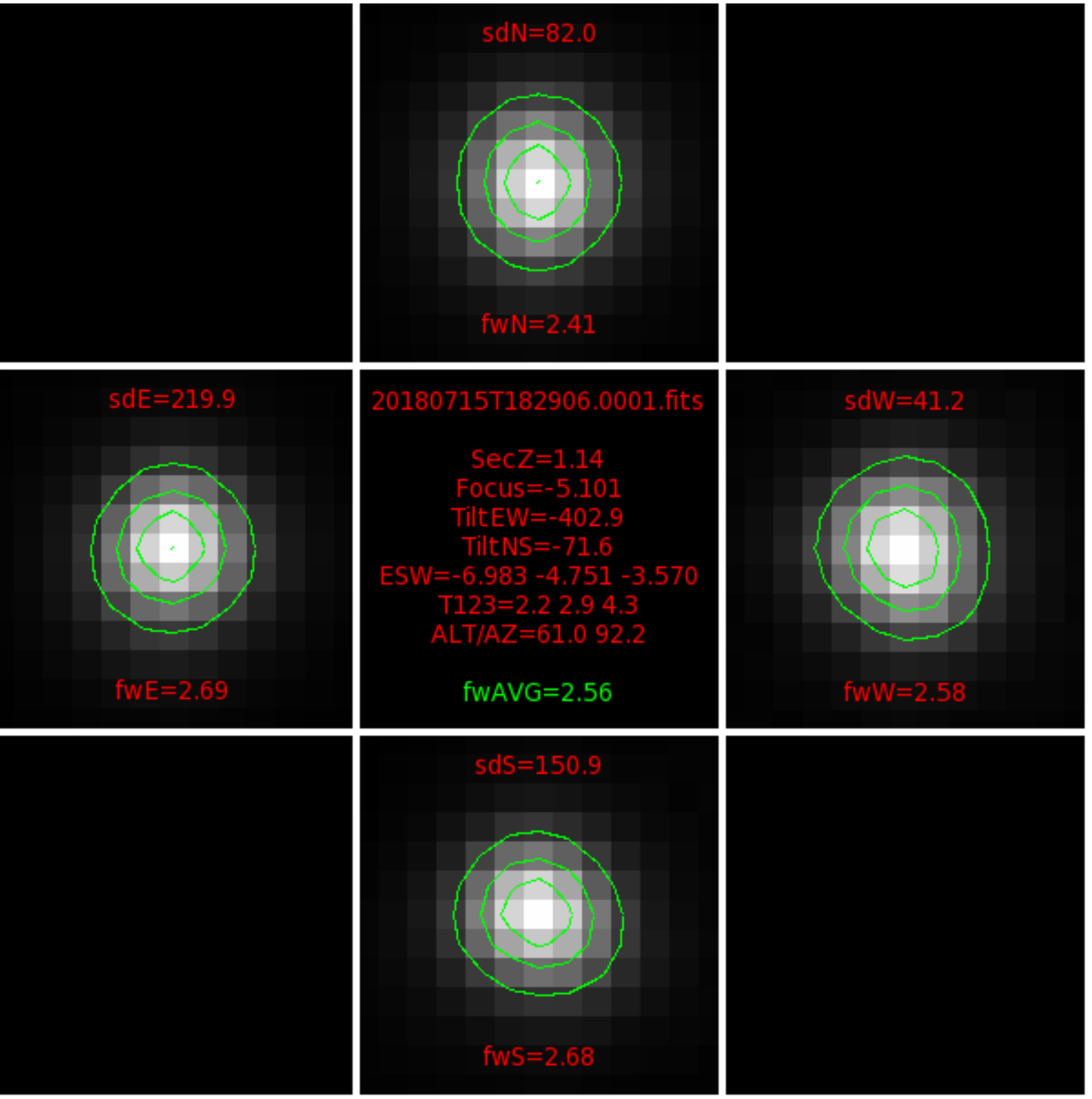
sdN=82.0
fwN=2.41
sdE=219.9
fwE=2.69
20180715T182906.0001.fits
SecZ=1.14
Focus=-5.101
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.983 -4.751 -3.570
T123=2.2 2.9 4.3
ALT/AZ=61.0 92.2
fwAVG=2.56
sdW=41.2
fwW=2.58
sdS=150.9
fwS=2.68
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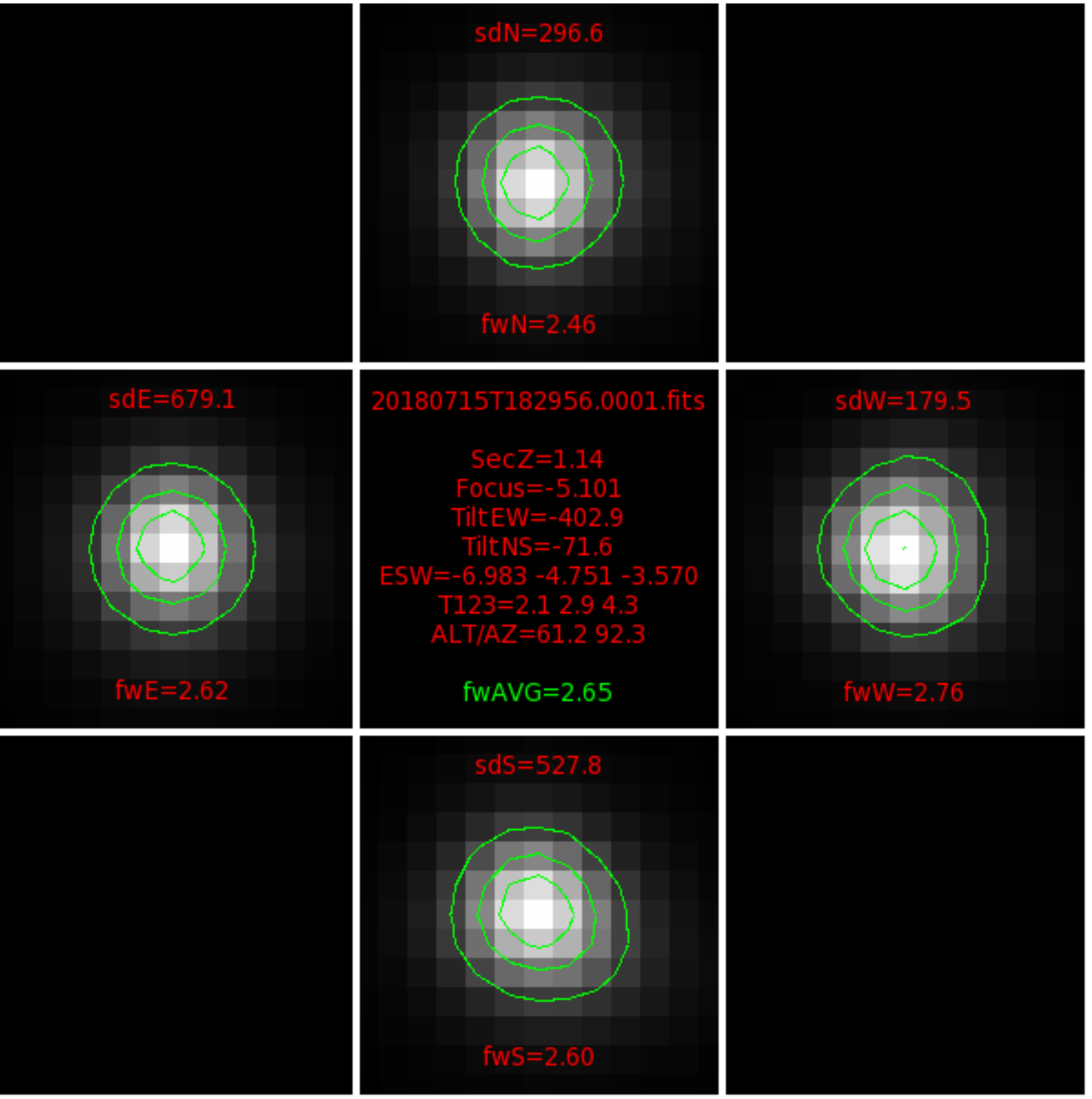
sdN=296.6
fwN=2.46
sdE=679.1
fwE=2.62
20180715T182956.0001.fits
SecZ=1.14
Focus=-5.101
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.983 -4.751 -3.570
T123=2.1 2.9 4.3
ALT/AZ=61.2 92.3
fwAVG=2.65
sdW=179.5
fwW=2.76
sdS=527.8
fwS=2.60
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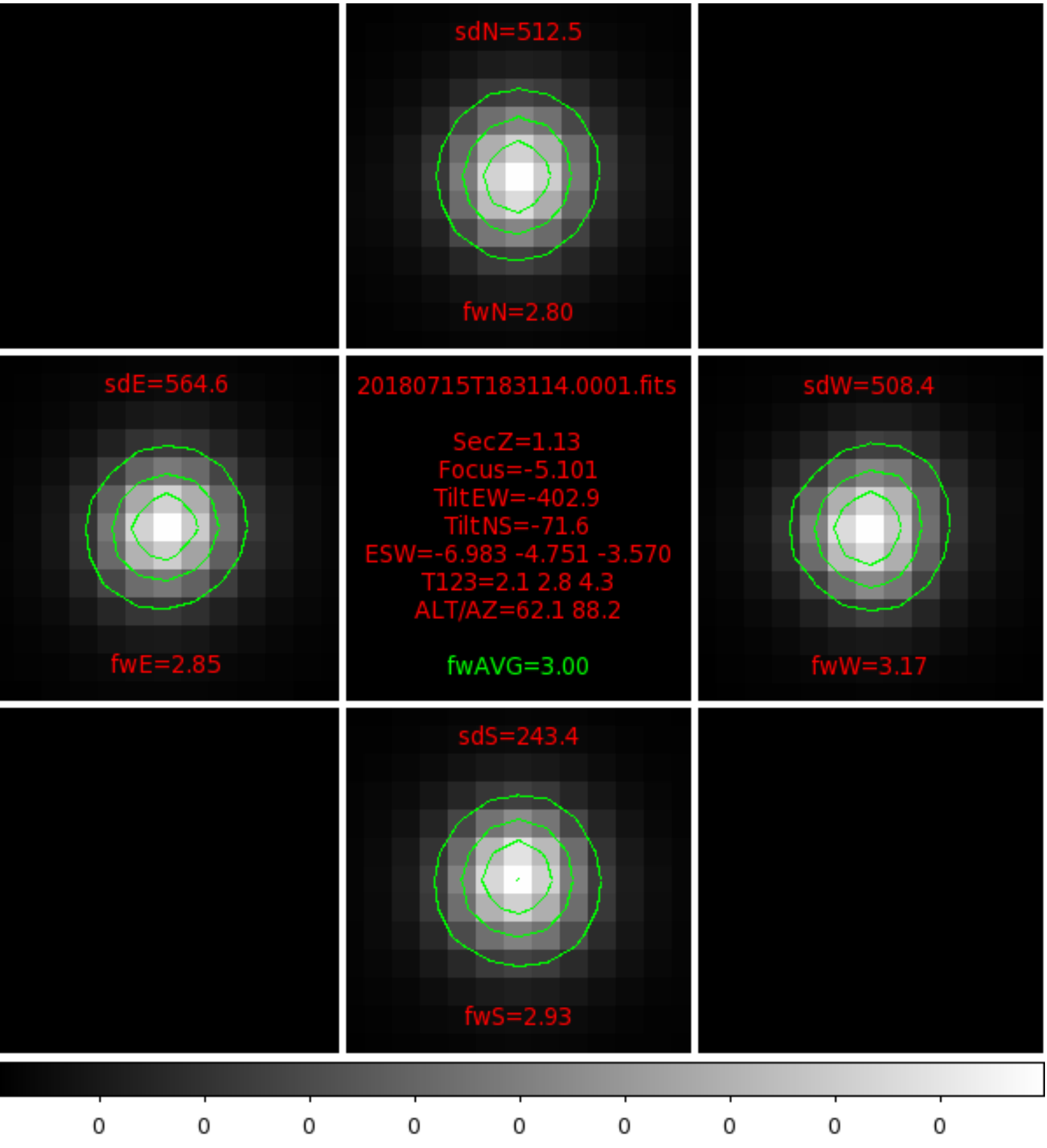
sdN=512.5
fwN=2.80
sdE=564.6
fwE=2.85
20180715T183114.0001.fits
SecZ=1.13
Focus=-5.101
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.983 -4.751 -3.570
T123=2.1 2.8 4.3
ALT/AZ=62.1 88.2
fwAVG=3.00
sdW=508.4
fwW=3.17
sdS=243.4
fwS=2.93
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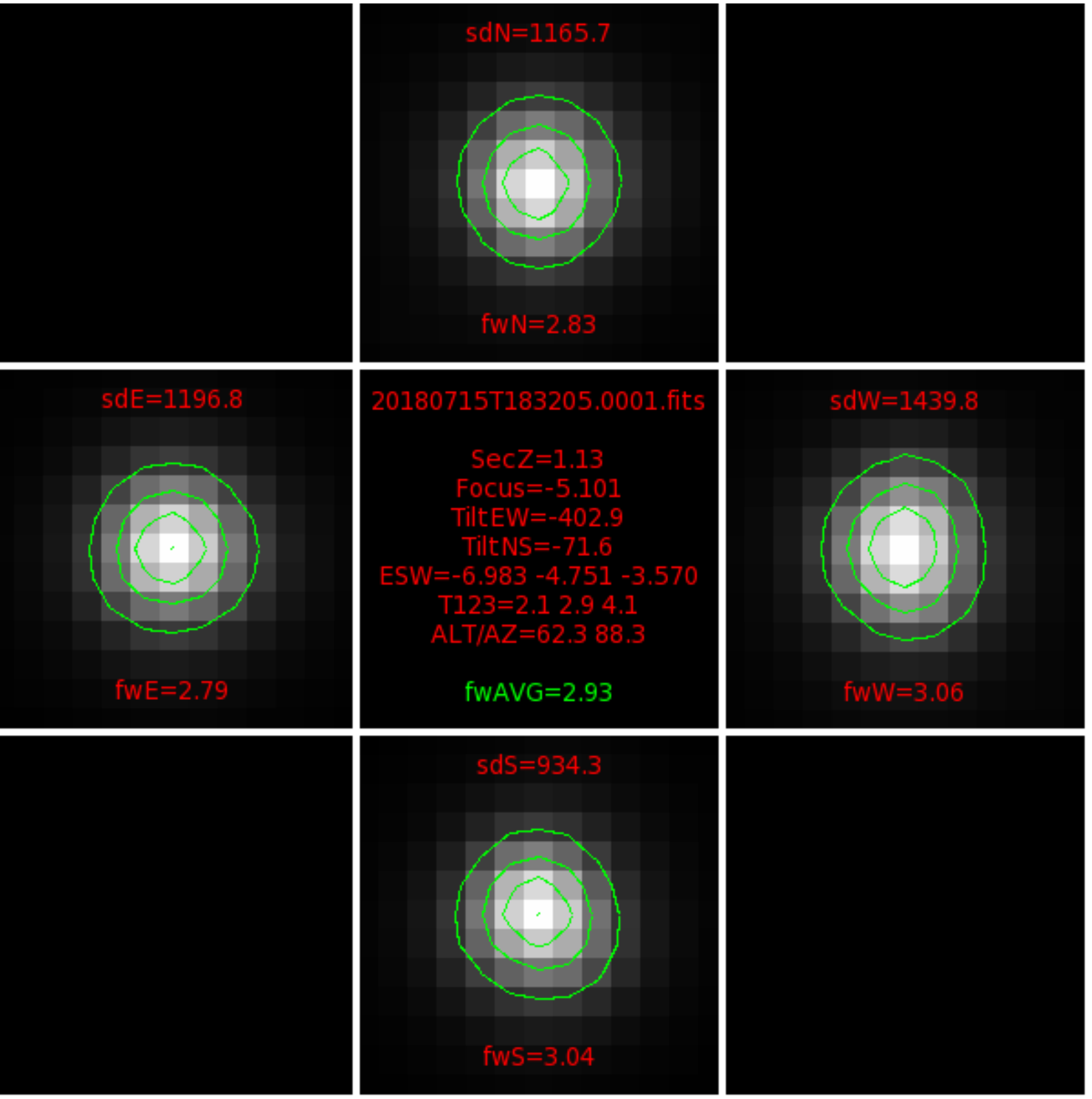
sdN=1165.7
fwN=2.83
sdE=1196.8
fwE=2.79
20180715T183205.0001.fits
SecZ=1.13
Focus=-5.101
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.983 -4.751 -3.570
T123=2.1 2.9 4.1
ALT/AZ=62.3 88.3
fwAVG=2.93
sdW=1439.8
fwW=3.06
sdS=934.3
fwS=3.04
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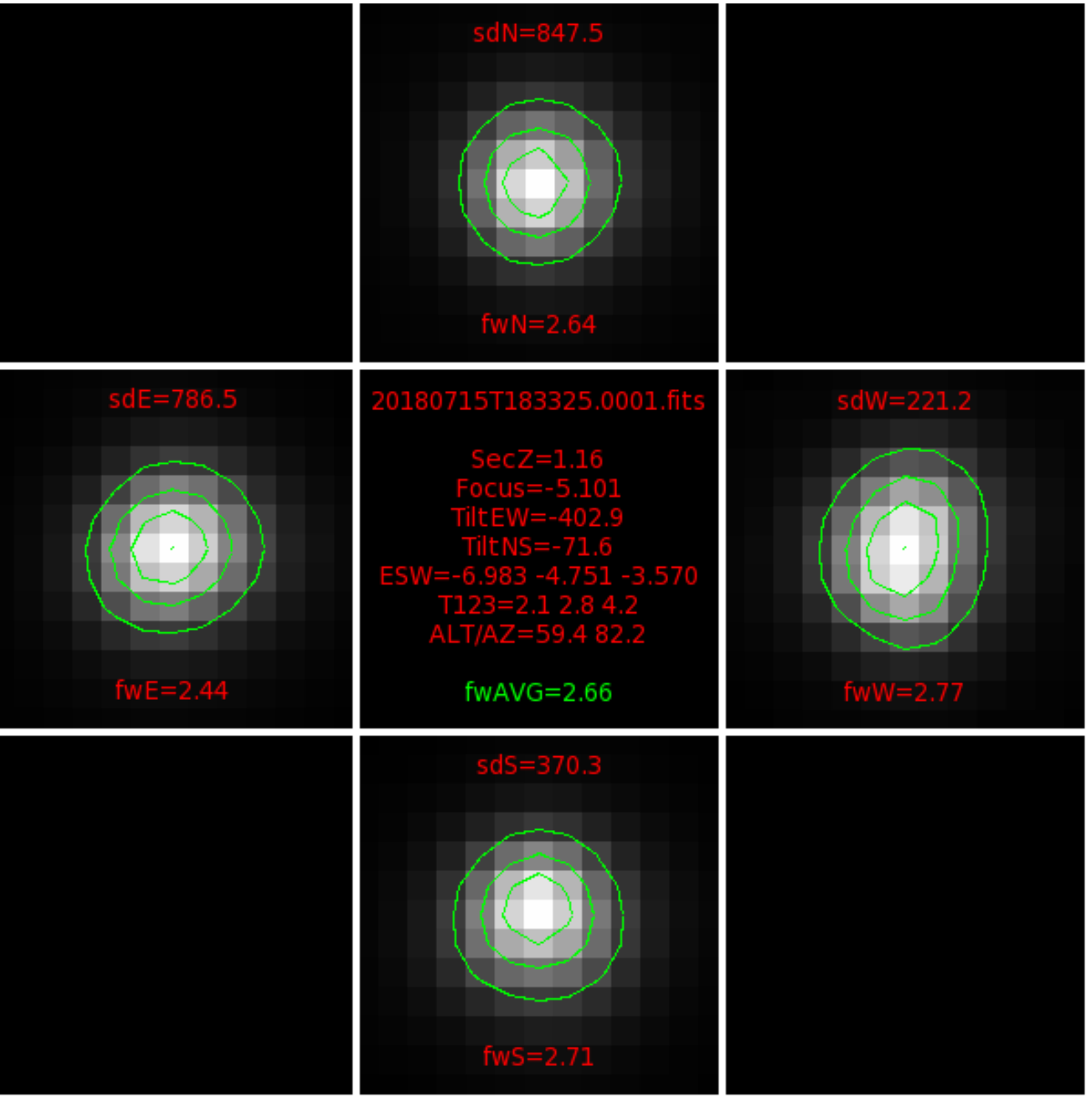
sdN=847.5
fwN=2.64
sdE=786.5
fwE=2.44
20180715T183325.0001.fits
SecZ=1.16
Focus=-5.101
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.983 -4.751 -3.570
T123=2.1 2.8 4.2
ALT/AZ=59.4 82.2
fwAVG=2.66
sdW=221.2
fwW=2.77
sdS=370.3
fwS=2.71
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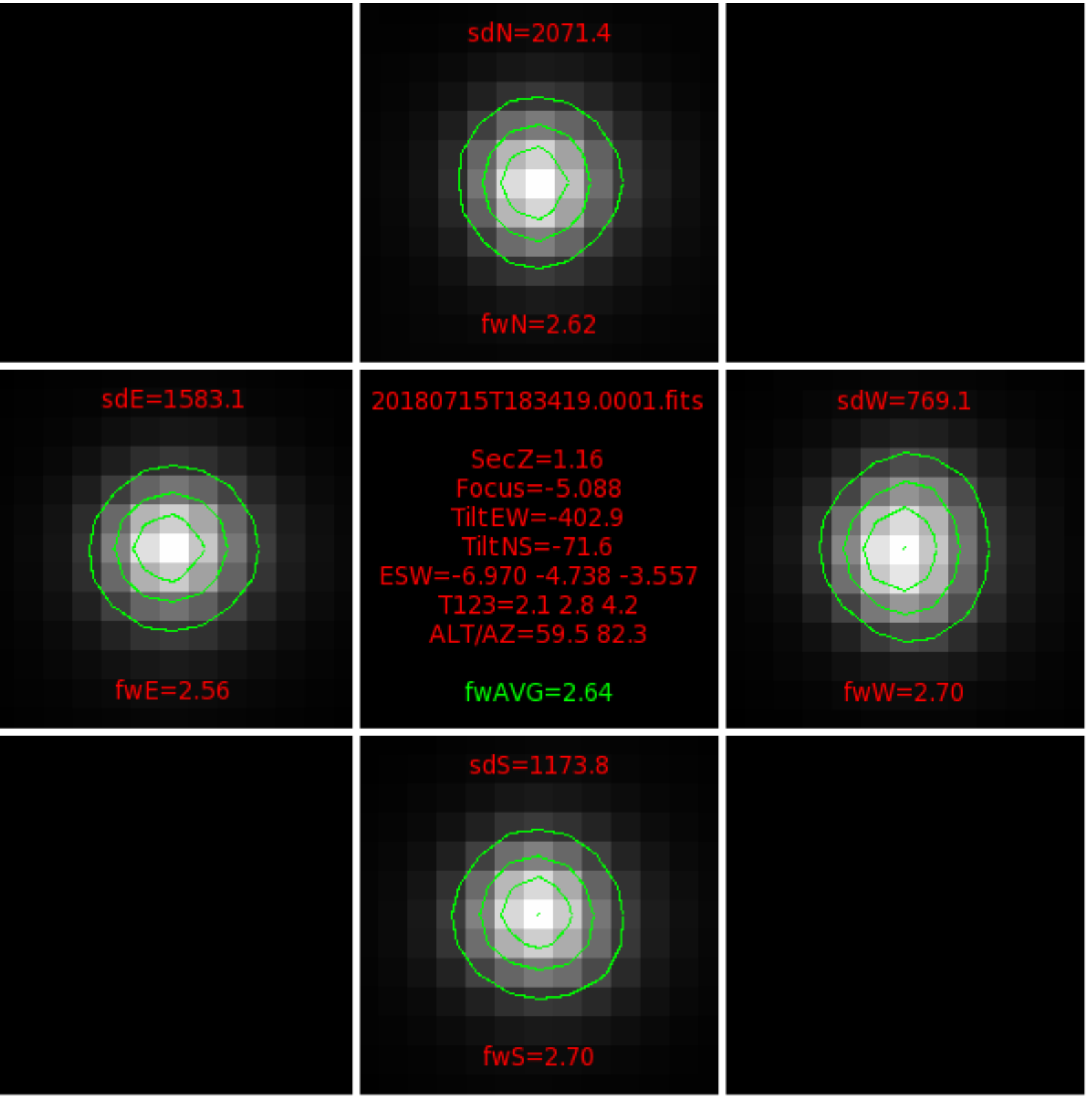
sdN=2071.4
fwN=2.62
sdE=1583.1
fwE=2.56
20180715T183419.0001.fits
SecZ=1.16
Focus=-5.088
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.970 -4.738 -3.557
T123=2.1 2.8 4.2
ALT/AZ=59.5 82.3
fwAVG=2.64
sdW=769.1
fwW=2.70
sdS=1173.8
fwS=2.70
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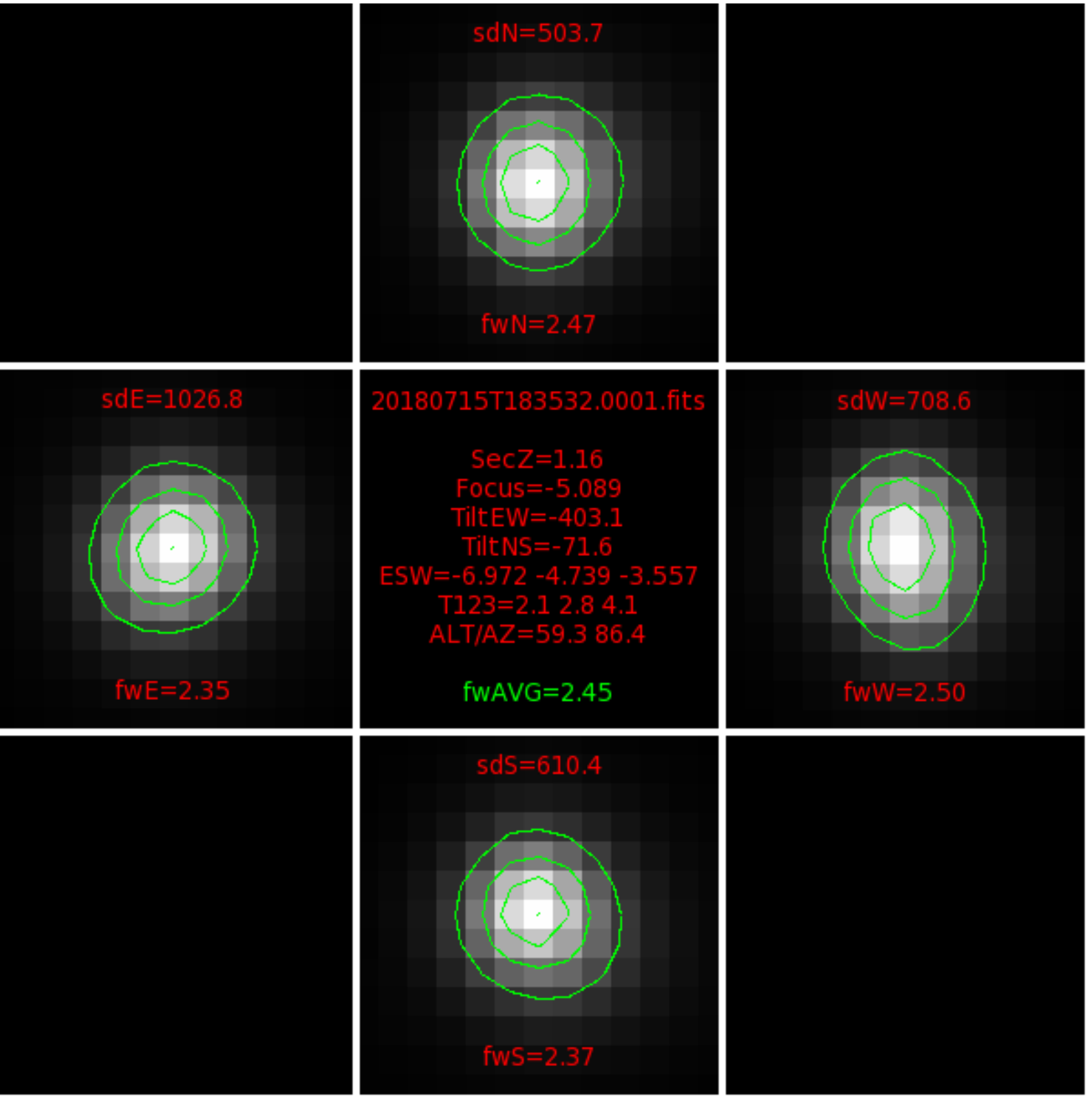
sdN=503.7
fwN=2.47
sdE=1026.8
fwE=2.35
20180715T183532.0001.fits
SecZ=1.16
Focus=-5.089
TiltEW=-403.1
TiltNS=-71.6
ESW=-6.972 -4.739 -3.557
T123=2.1 2.8 4.1
ALT/AZ=59.3 86.4
fwAVG=2.45
sdW=708.6
fwW=2.50
sdS=610.4
fwS=2.37
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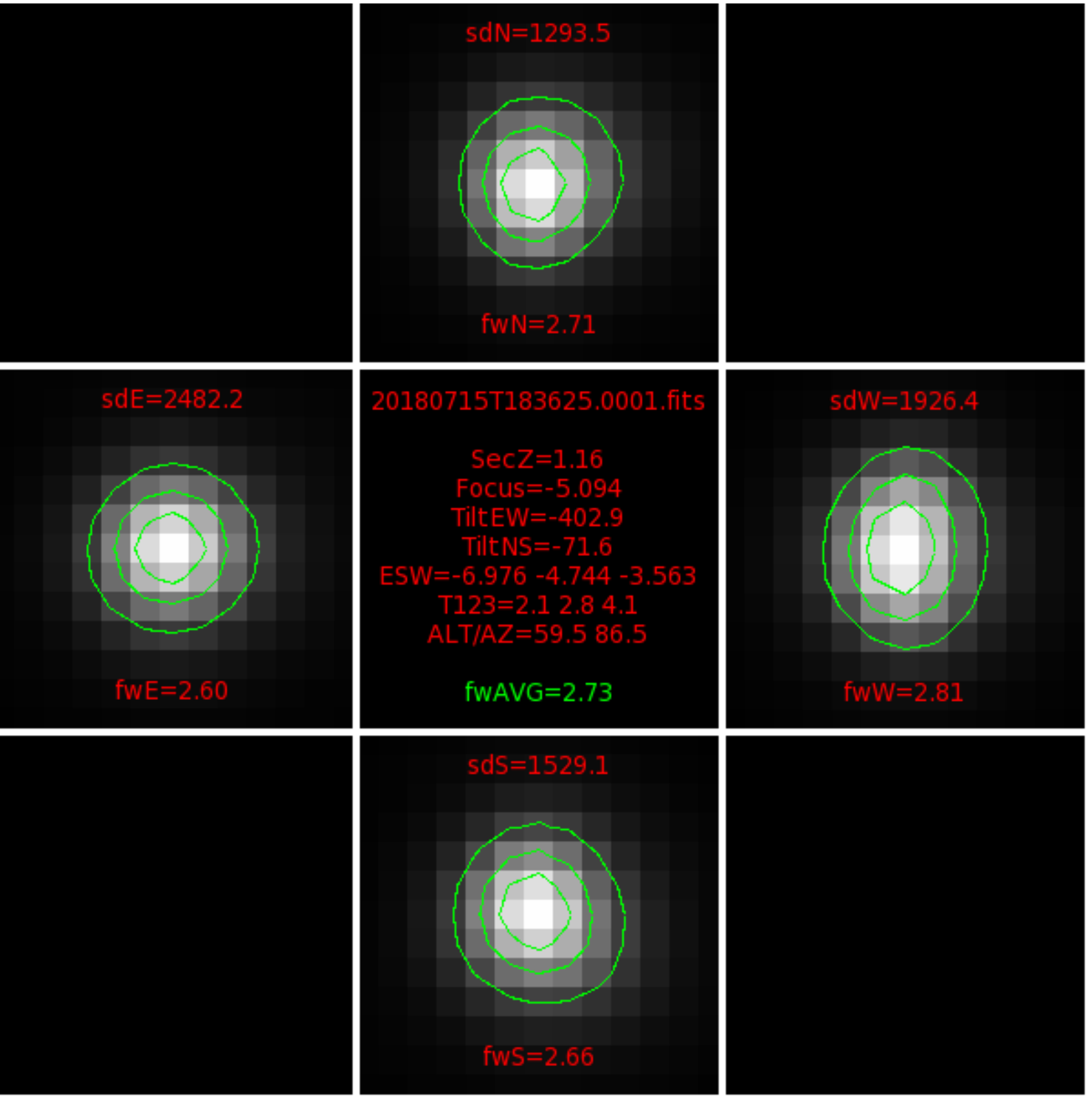
sdN=1293.5
fwN=2.71
sdE=2482.2
fwE=2.60
20180715T183625.0001.fits
SecZ=1.16
Focus=-5.094
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.976 -4.744 -3.563
T123=2.1 2.8 4.1
ALT/AZ=59.5 86.5
fwAVG=2.73
sdW=1926.4
fwW=2.81
sdS=1529.1
fwS=2.66
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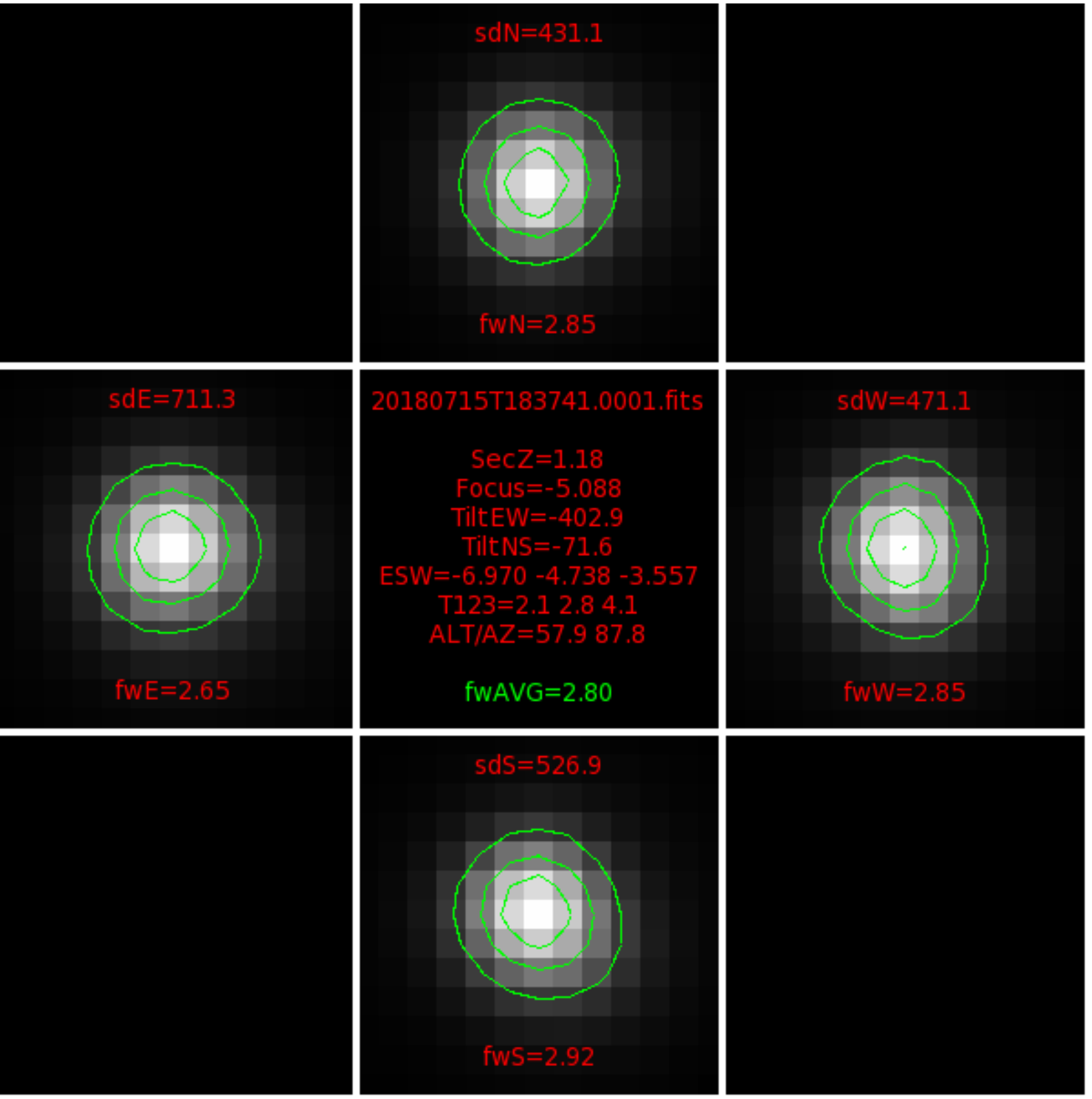
sdN=431.1
fwN=2.85
sdE=711.3
fwE=2.65
20180715T183741.0001.fits
SecZ=1.18
Focus=-5.088
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.970 -4.738 -3.557
T123=2.1 2.8 4.1
ALT/AZ=57.9 87.8
fwAVG=2.80
sdW=471.1
fwW=2.85
sdS=526.9
fwS=2.92
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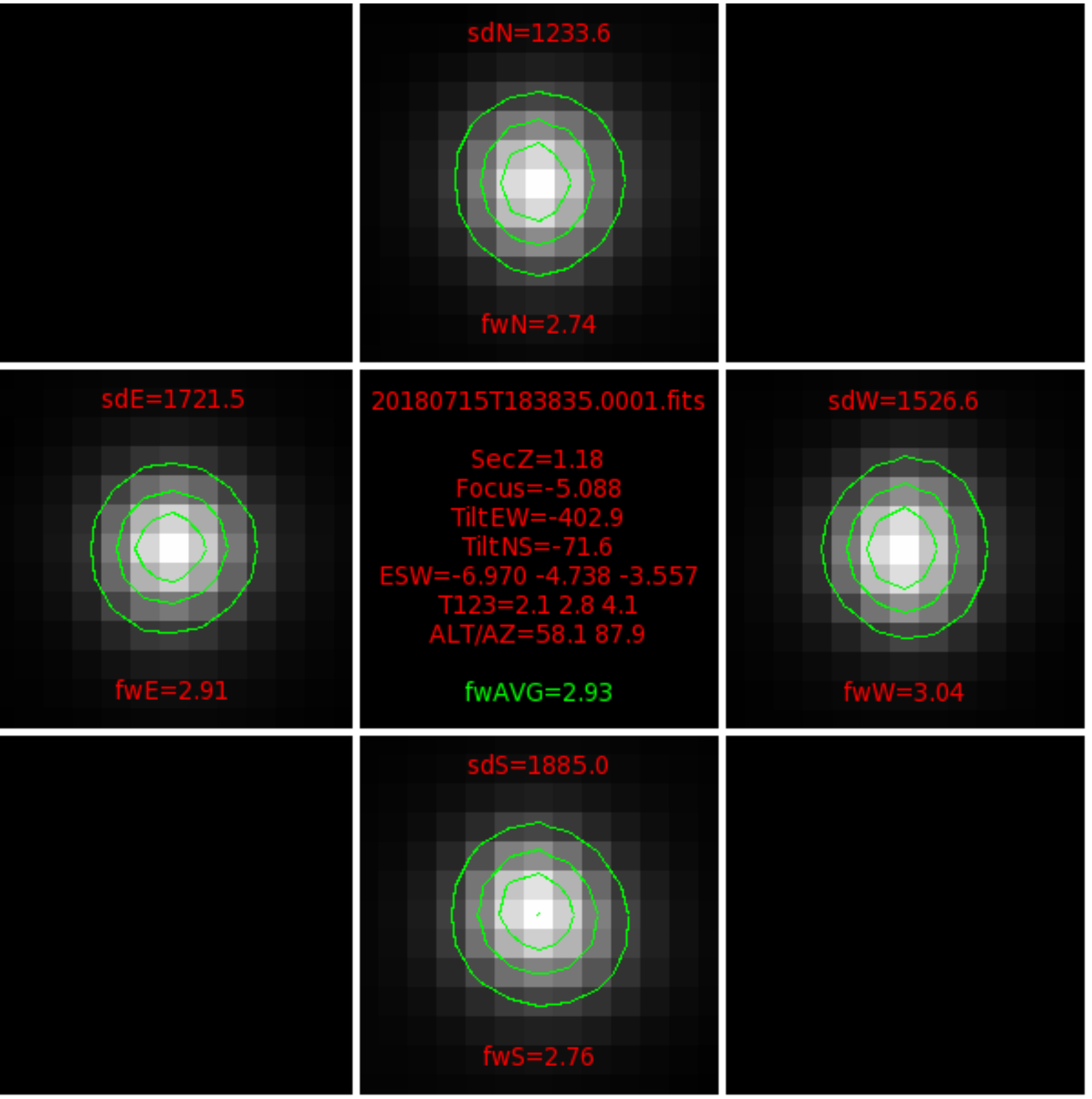
sdN=1233.6
fwN=2.74
sdE=1721.5
fwE=2.91
20180715T183835.0001.fits
SecZ=1.18
Focus=-5.088
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.970 -4.738 -3.557
T123=2.1 2.8 4.1
ALT/AZ=58.1 87.9
fwAVG=2.93
sdW=1526.6
fwW=3.04
sdS=1885.0
fwS=2.76
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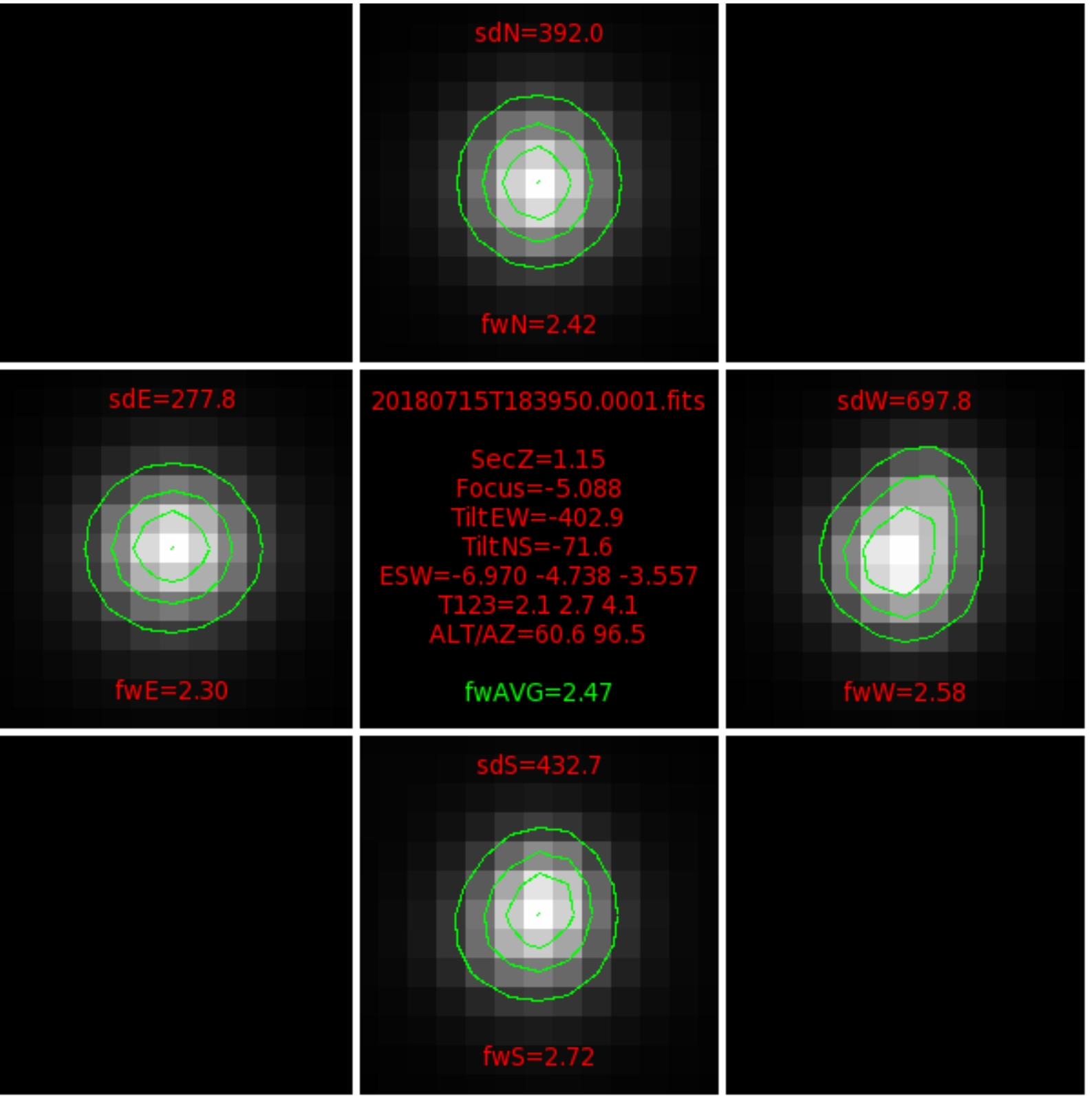
sdN=392.0
fwN=2.42
sdE=277.8
fwE=2.30
20180715T183950.0001.fits
SecZ=1.15
Focus=-5.088
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.970 -4.738 -3.557
T123=2.1 2.7 4.1
ALT/AZ=60.6 96.5
fwAVG=2.47
sdW=697.8
fwW=2.58
sdS=432.7
fwS=2.72
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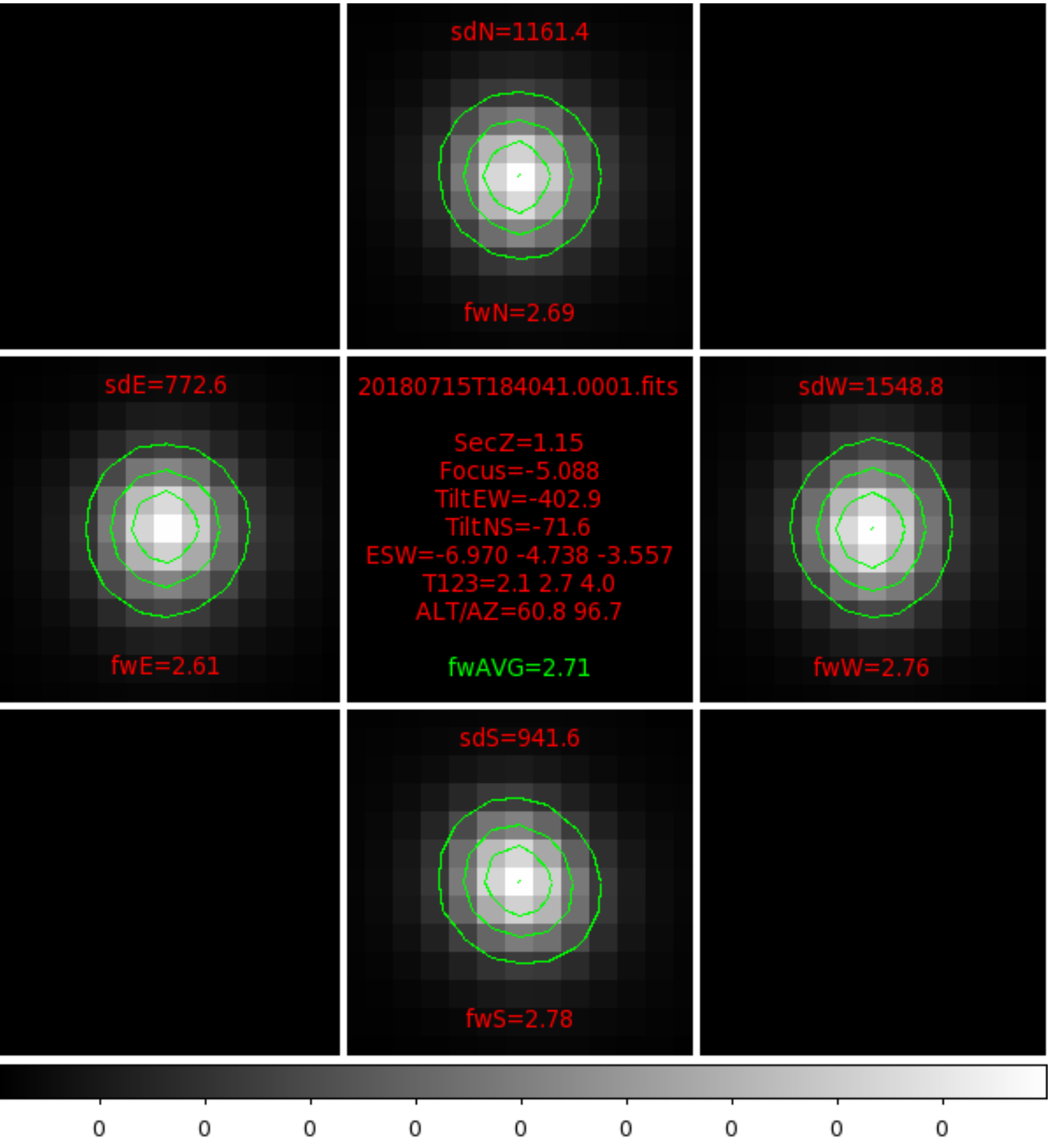
sdN=1161.4
fwN=2.69
sdE=772.6
fwE=2.61
20180715T184041.0001.fits
SecZ=1.15
Focus=-5.088
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.970 -4.738 -3.557
T123=2.1 2.7 4.0
ALT/AZ=60.8 96.7
fwAVG=2.71
sdW=1548.8
fwW=2.76
sdS=941.6
fwS=2.78
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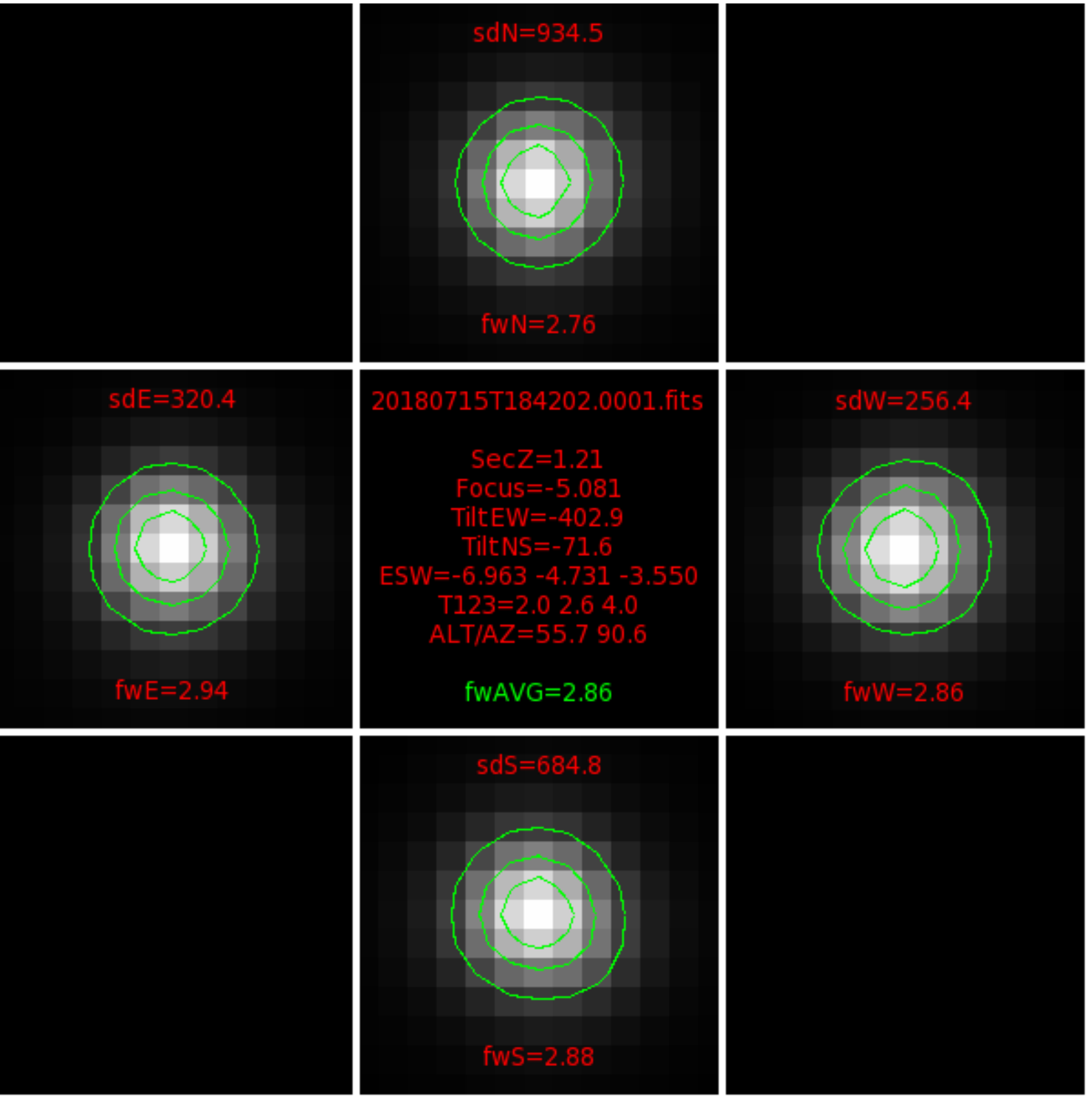
sdN=934.5
fwN=2.76
sdE=320.4
fwE=2.94
20180715T184202.0001.fits
SecZ=1.21
Focus=-5.081
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.963 -4.731 -3.550
T123=2.0 2.6 4.0
ALT/AZ=55.7 90.6
fwAVG=2.86
sdW=256.4
fwW=2.86
sdS=684.8
fwS=2.88
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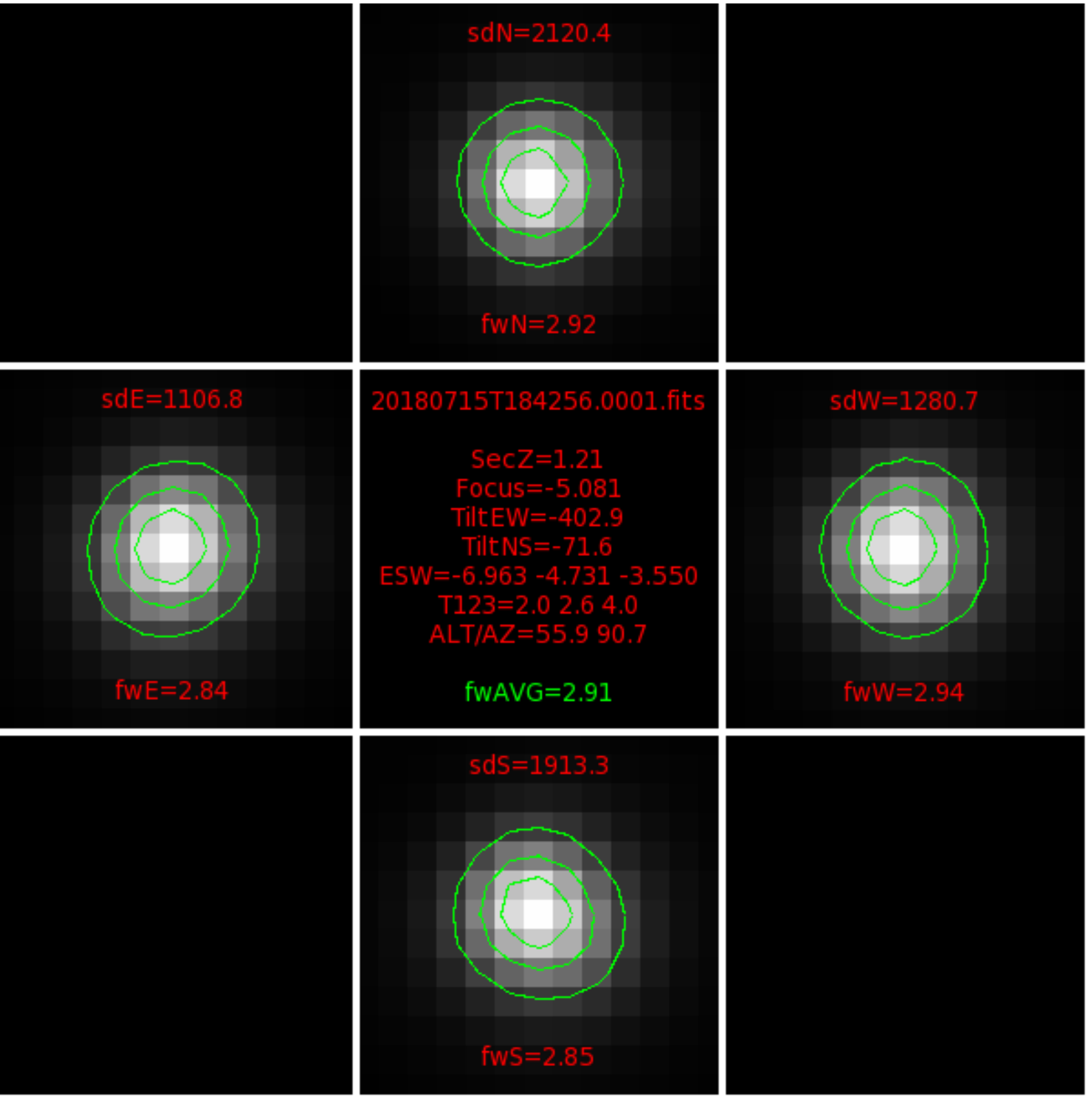
sdN=2120.4
fwN=2.92
sdE=1106.8
fwE=2.84
20180715T184256.0001.fits
SecZ=1.21
Focus=-5.081
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.963 -4.731 -3.550
T123=2.0 2.6 4.0
ALT/AZ=55.9 90.7
fwAVG=2.91
sdW=1280.7
fwW=2.94
sdS=1913.3
fwS=2.85
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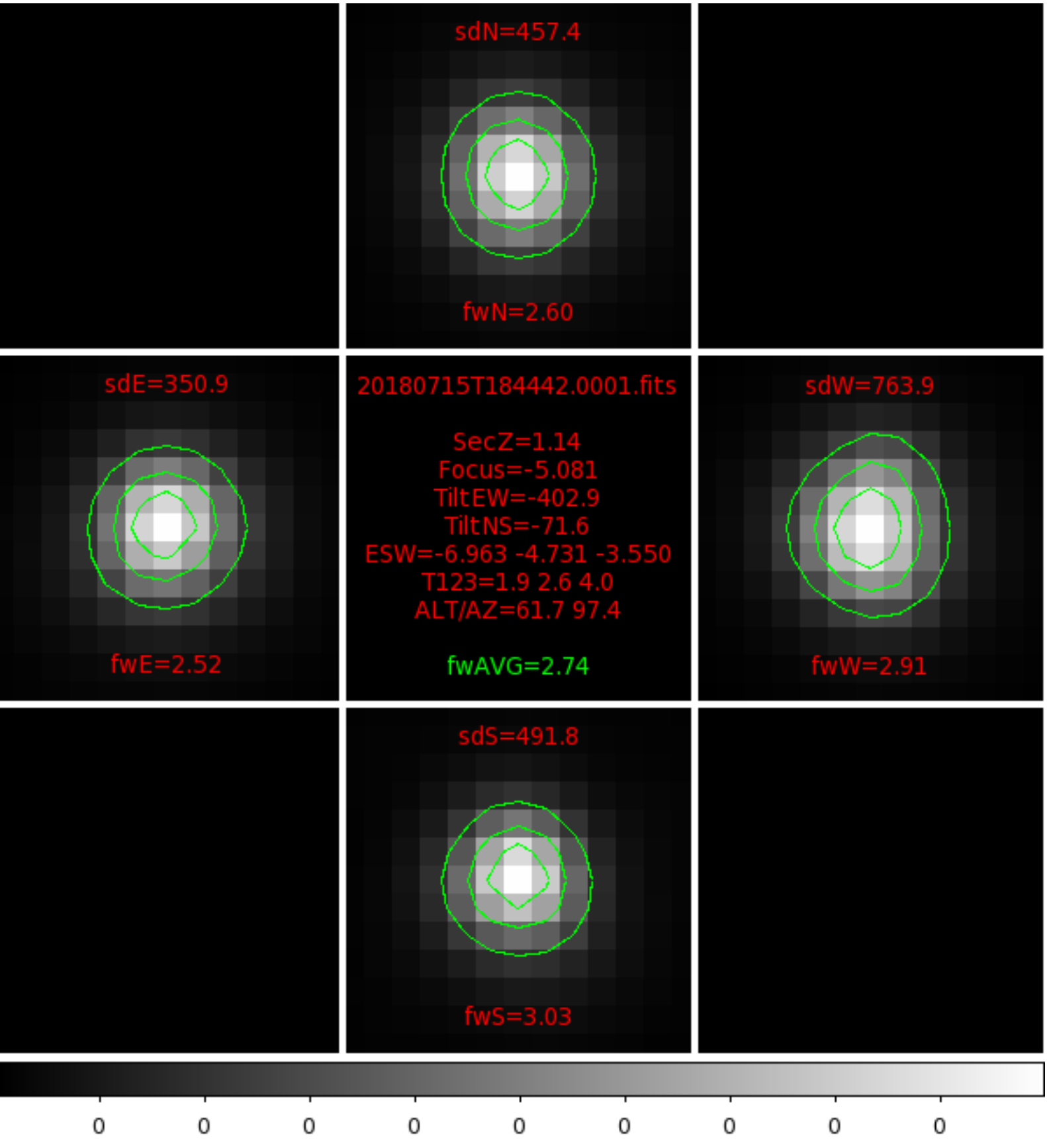
sdN=457.4
fwN=2.60
sdE=350.9
fwE=2.52
20180715T184442.0001.fits
SecZ=1.14
Focus=-5.081
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.963 -4.731 -3.550
T123=1.9 2.6 4.0
ALT/AZ=61.7 97.4
fwAVG=2.74
sdW=763.9
fwW=2.91
sdS=491.8
fwS=3.03
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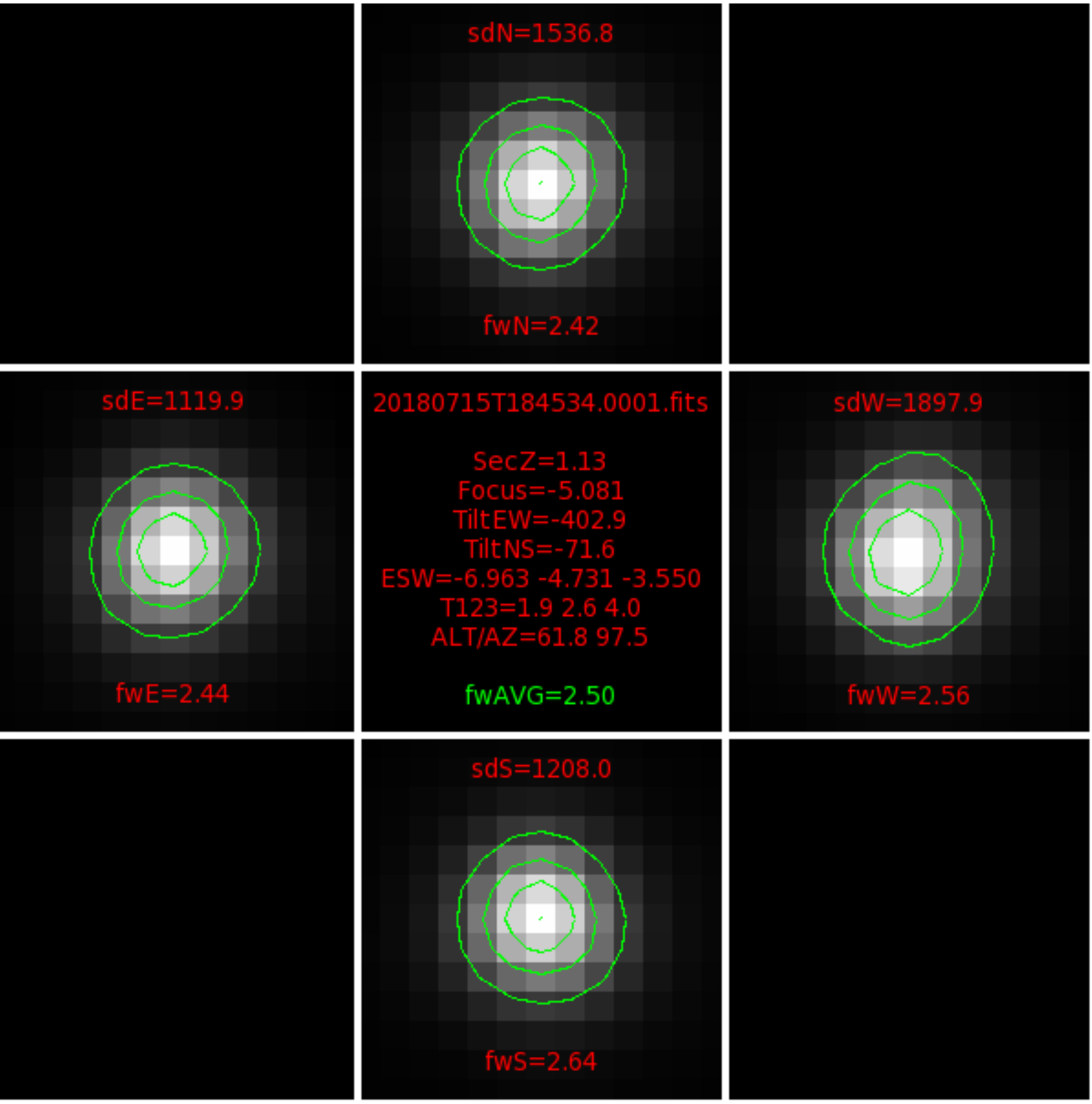
sdN=1536.8
fwN=2.42
sdE=1119.9
fwE=2.44
20180715T184534.0001.fits
SecZ=1.13
Focus=-5.081
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.963 -4.731 -3.550
T123=1.9 2.6 4.0
ALT/AZ=61.8 97.5
fwAVG=2.50
sdW=1897.9
fwW=2.56
sdS=1208.0
fwS=2.64
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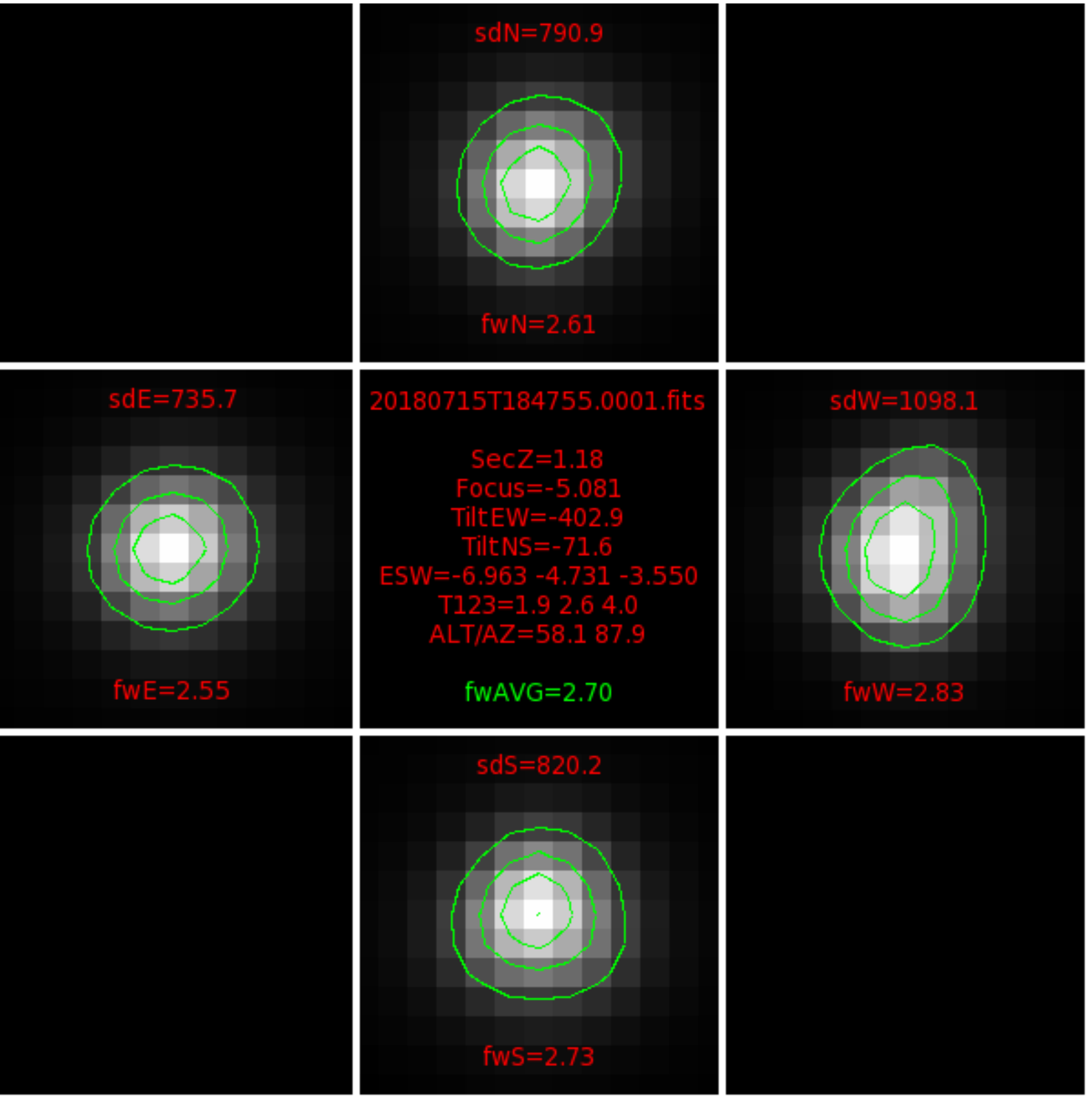
sdN=790.9
fwN=2.61
sdE=735.7
fwE=2.55
20180715T184755.0001.fits
SecZ=1.18
Focus=-5.081
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.963 -4.731 -3.550
T123=1.9 2.6 4.0
ALT/AZ=58.1 87.9
fwAVG=2.70
sdW=1098.1
fwW=2.83
sdS=820.2
fwS=2.73
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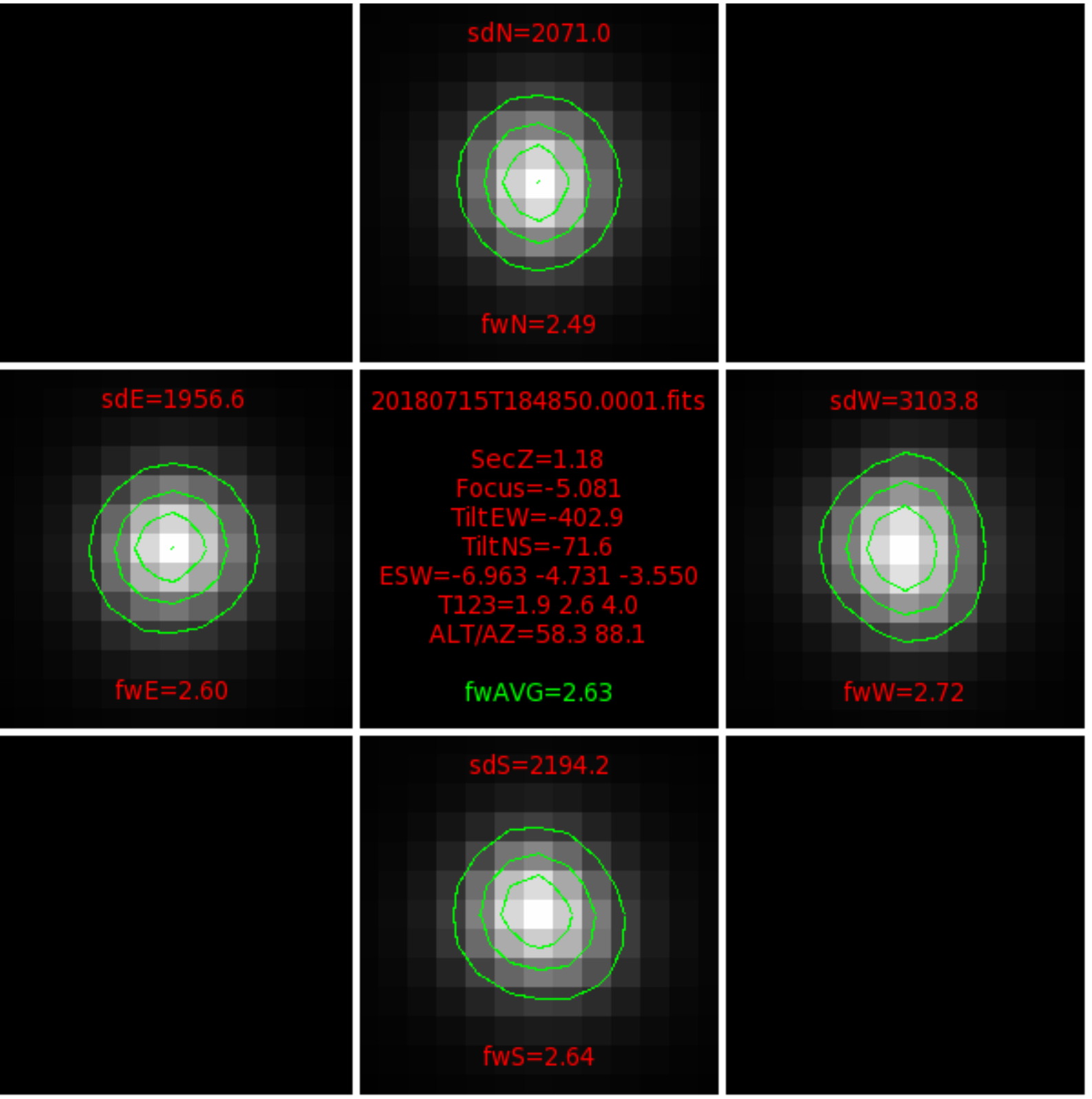
sdN=2071.0
fwN=2.49
sdE=1956.6
fwE=2.60
20180715T184850.0001.fits
SecZ=1.18
Focus=-5.081
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.963 -4.731 -3.550
T123=1.9 2.6 4.0
ALT/AZ=58.3 88.1
fwAVG=2.63
sdW=3103.8
fwW=2.72
sdS=2194.2
fwS=2.64
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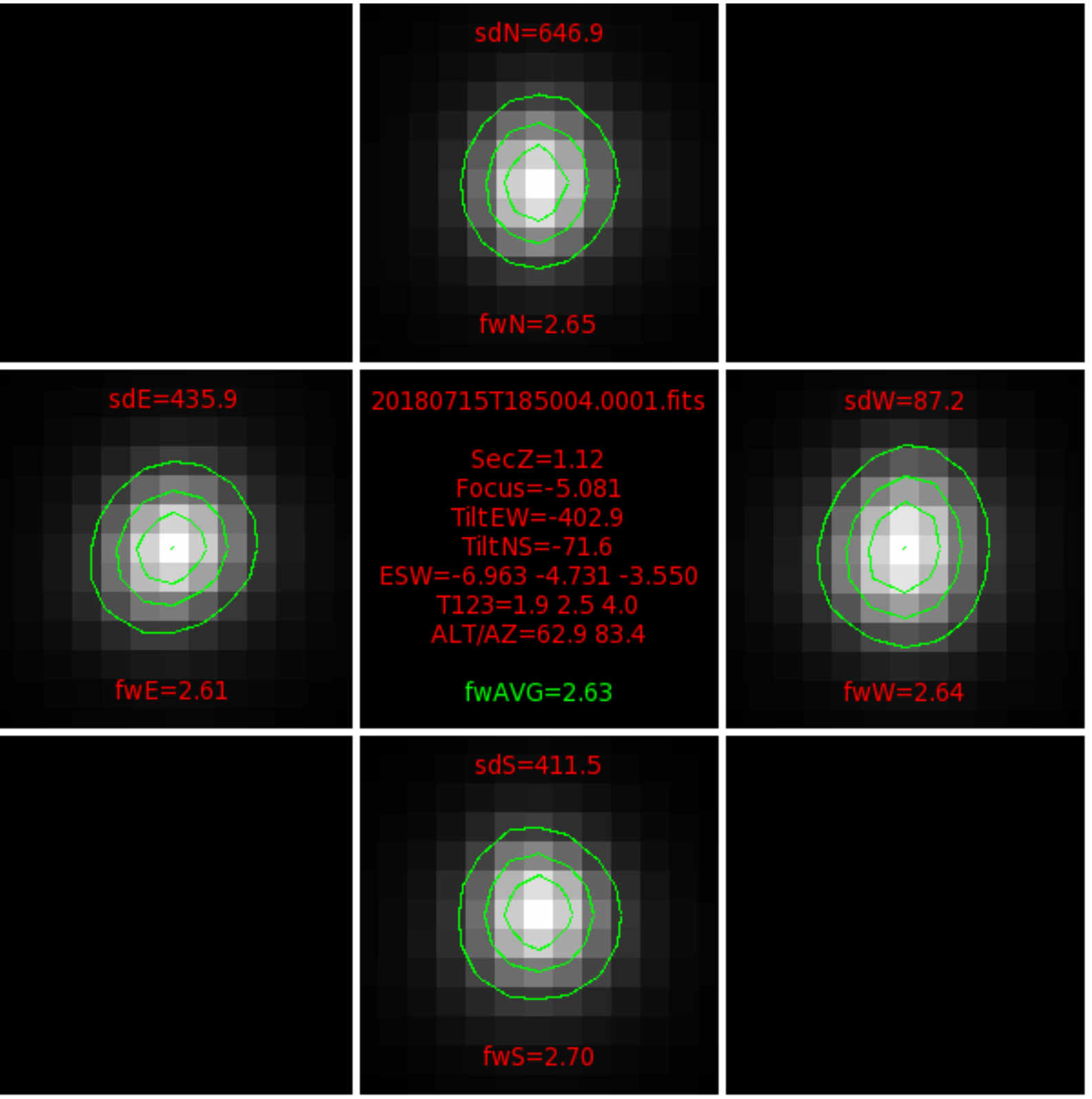
sdN=646.9
fwN=2.65
sdE=435.9
fwE=2.61
20180715T185004.0001.fits
SecZ=1.12
Focus=-5.081
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.963 -4.731 -3.550
T123=1.9 2.5 4.0
ALT/AZ=62.9 83.4
fwAVG=2.63
sdW=87.2
fwW=2.64
sdS=411.5
fwS=2.70
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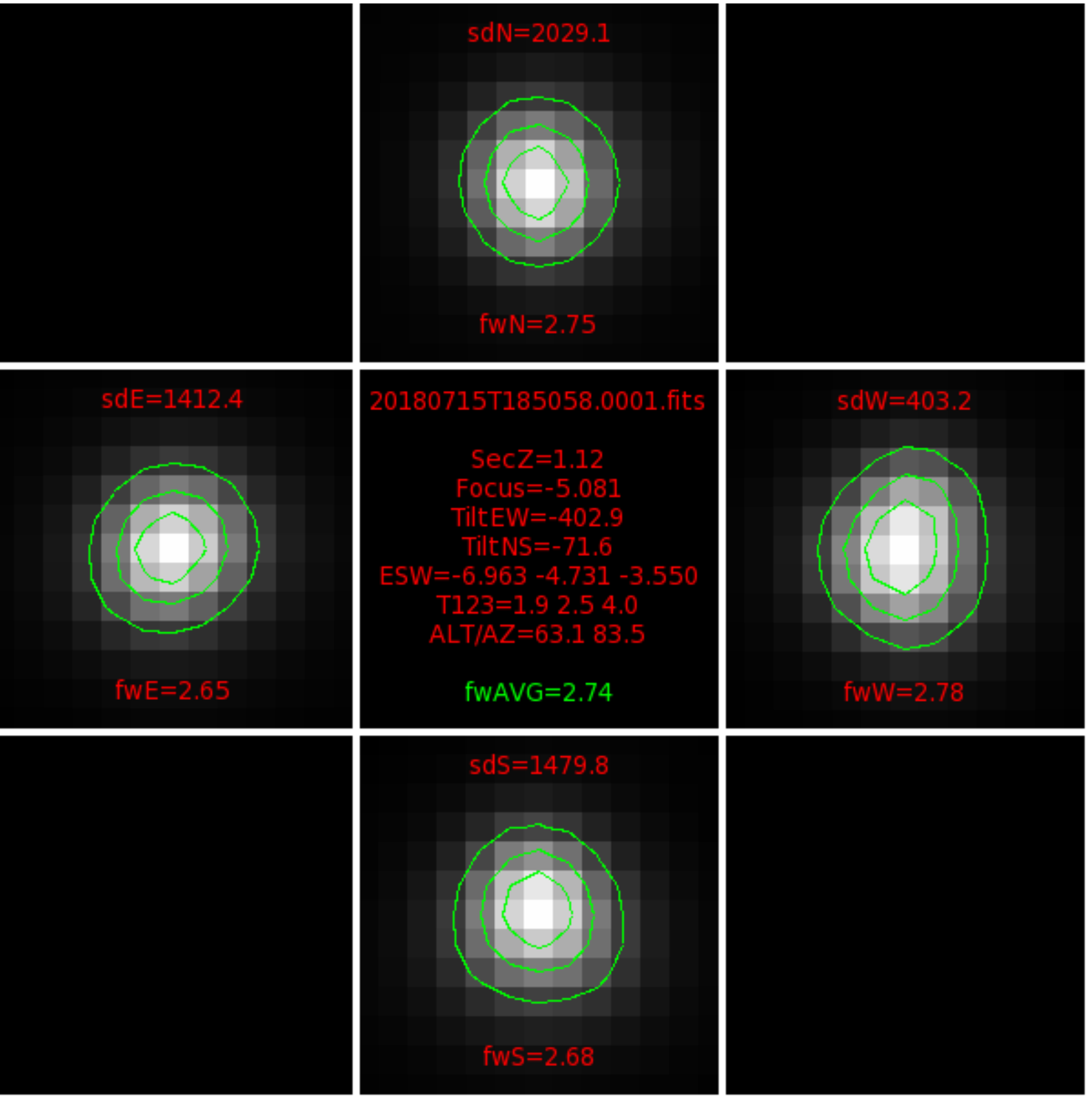
sdN=2029.1
fwN=2.75
sdE=1412.4
fwE=2.65
20180715T185058.0001.fits
SecZ=1.12
Focus=-5.081
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.963 -4.731 -3.550
T123=1.9 2.5 4.0
ALT/AZ=63.1 83.5
fwAVG=2.74
sdW=403.2
fwW=2.78
sdS=1479.8
fwS=2.68
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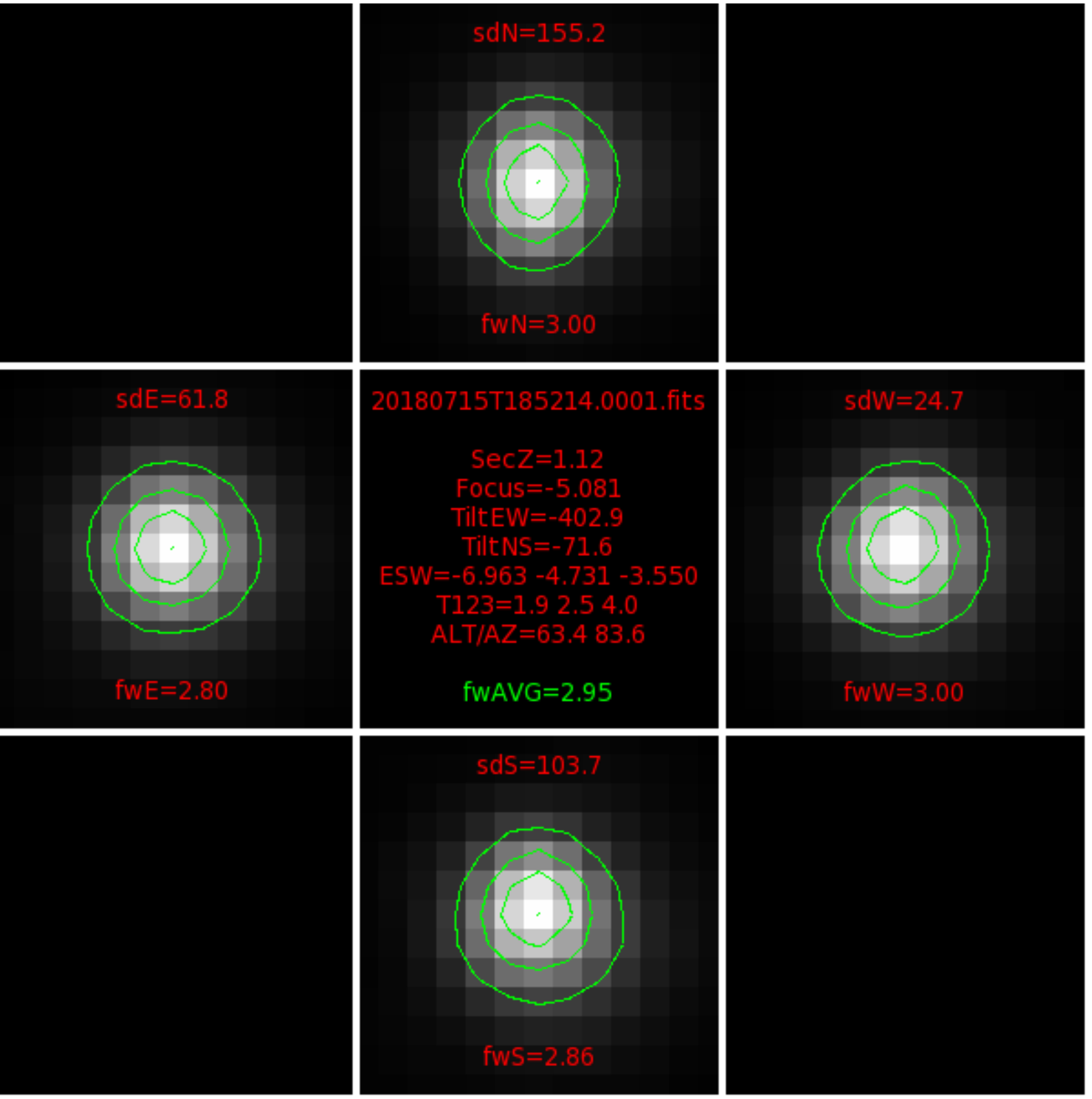
sdN=155.2
fwN=3.00
sdE=61.8
fwE=2.80
20180715T185214.0001.fits
SecZ=1.12
Focus=-5.081
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.963 -4.731 -3.550
T123=1.9 2.5 4.0
ALT/AZ=63.4 83.6
fwAVG=2.95
sdW=24.7
fwW=3.00
sdS=103.7
fwS=2.86
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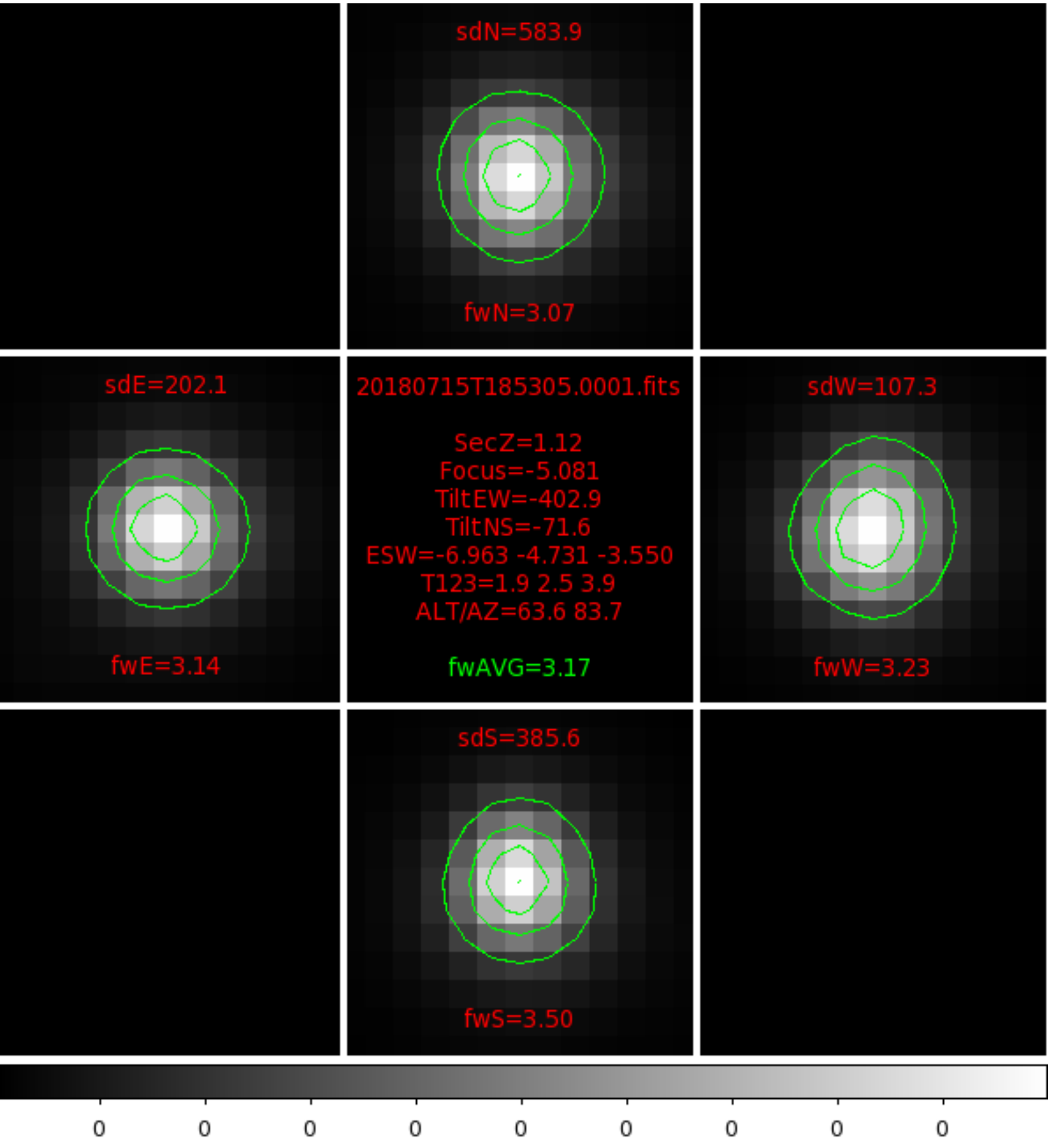
sdN=583.9
fwN=3.07
sdE=202.1
fwE=3.14
20180715T185305.0001.fits
SecZ=1.12
Focus=-5.081
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.963 -4.731 -3.550
T123=1.9 2.5 3.9
ALT/AZ=63.6 83.7
fwAVG=3.17
sdW=107.3
fwW=3.23
sdS=385.6
fwS=3.50
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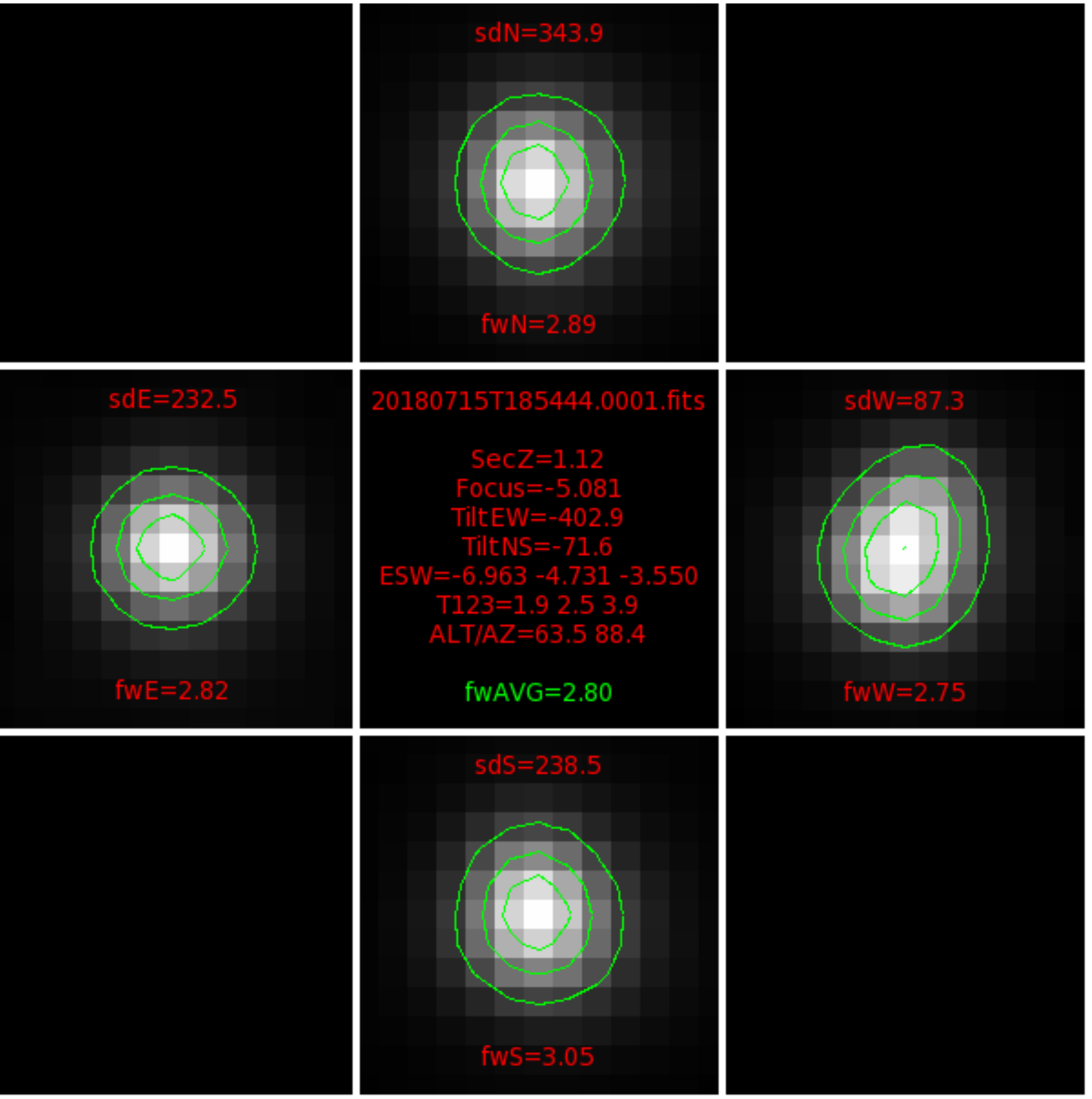
sdN=343.9
fwN=2.89
sdE=232.5
fwE=2.82
20180715T185444.0001.fits
SecZ=1.12
Focus=-5.081
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.963 -4.731 -3.550
T123=1.9 2.5 3.9
ALT/AZ=63.5 88.4
fwAVG=2.80
sdW=87.3
fwW=2.75
sdS=238.5
fwS=3.05
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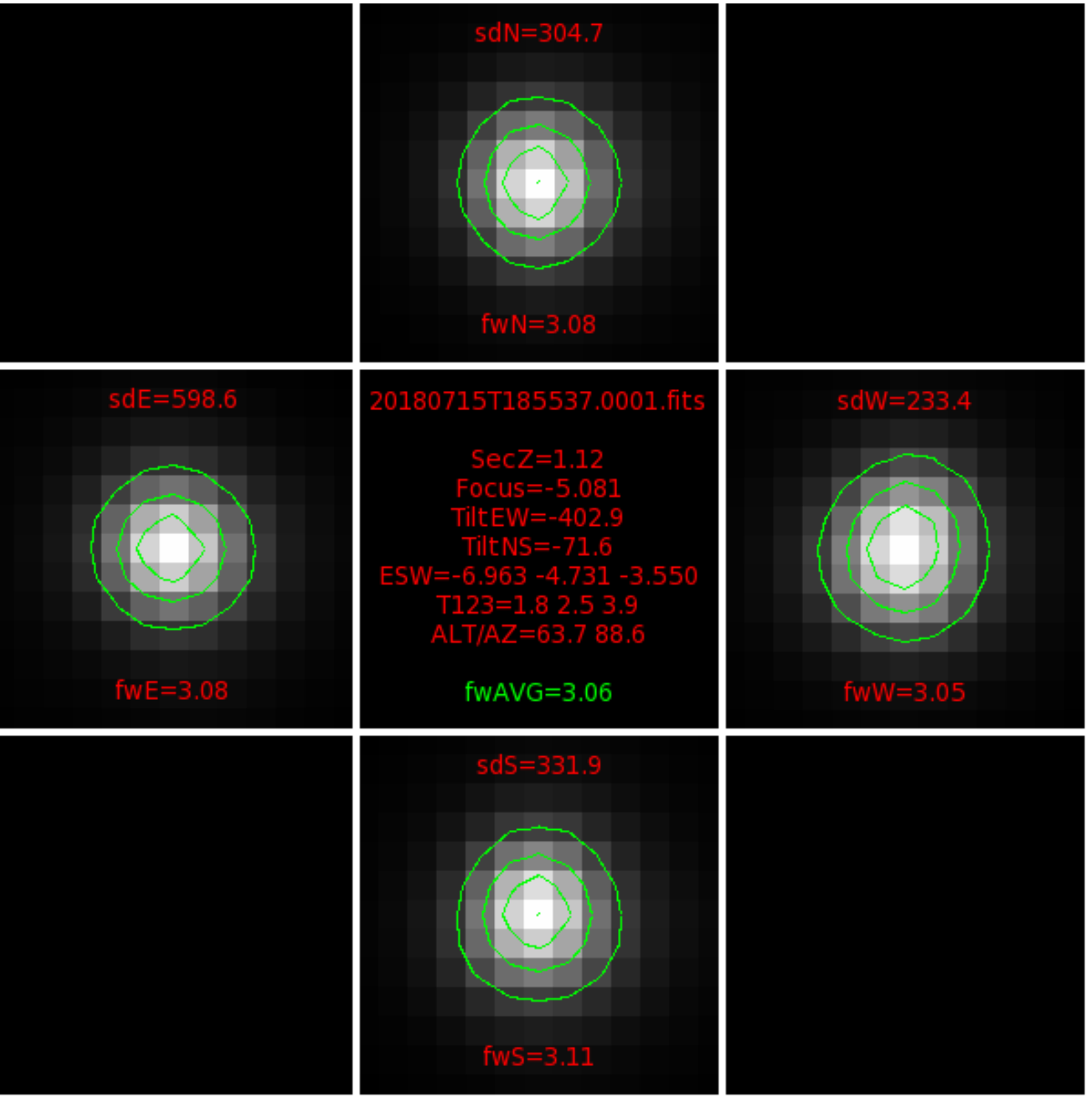
sdN=304.7
fwN=3.08
sdE=598.6
fwE=3.08
20180715T185537.0001.fits
SecZ=1.12
Focus=-5.081
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.963 -4.731 -3.550
T123=1.8 2.5 3.9
ALT/AZ=63.7 88.6
fwAVG=3.06
sdW=233.4
fwW=3.05
sdS=331.9
fwS=3.11
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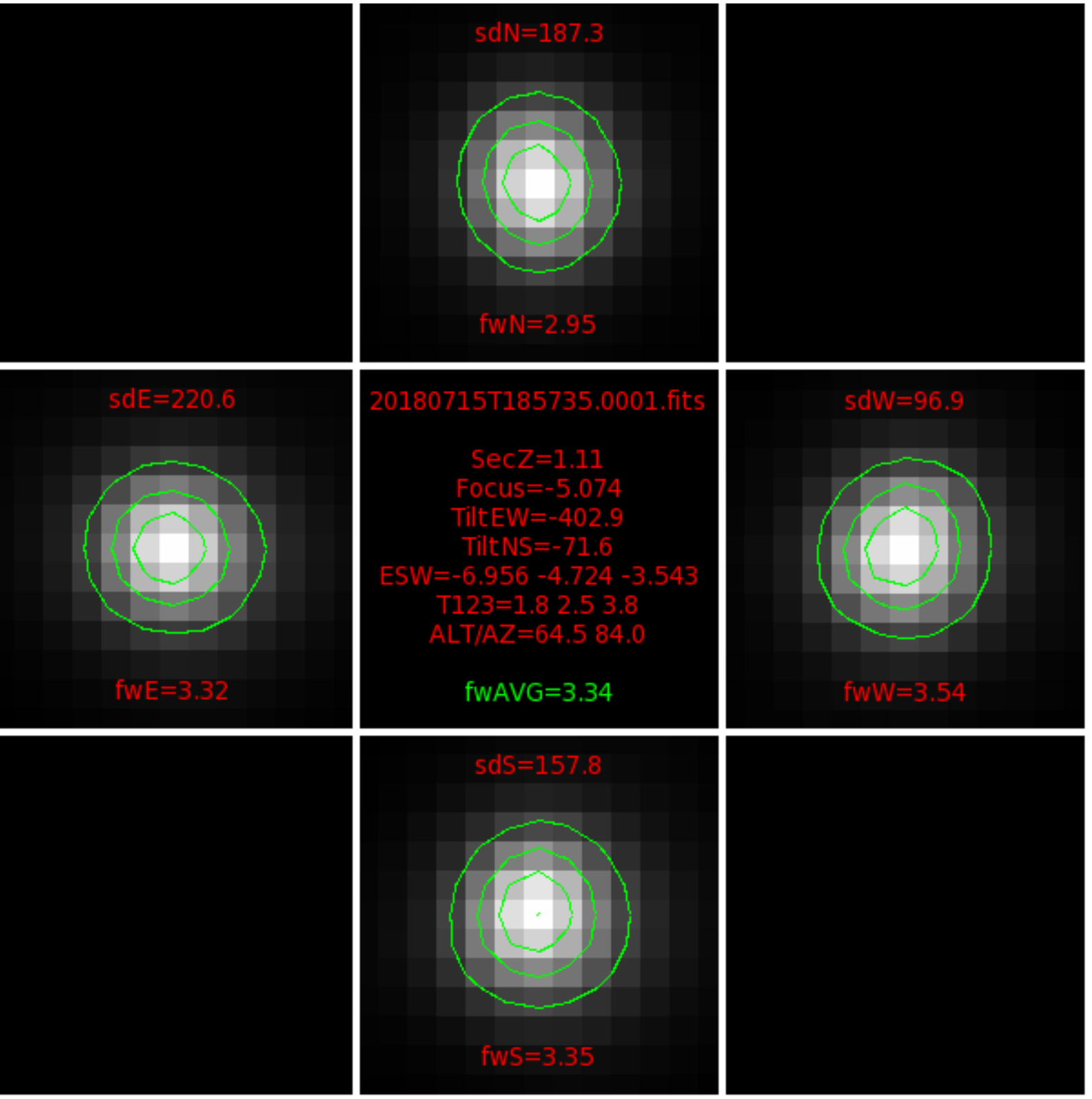
sdN=187.3
fwN=2.95
sdE=220.6
fwE=3.32
20180715T185735.0001.fits
SecZ=1.11
Focus=-5.074
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.956 -4.724 -3.543
T123=1.8 2.5 3.8
ALT/AZ=64.5 84.0
fwAVG=3.34
sdW=96.9
fwW=3.54
sdS=157.8
fwS=3.35
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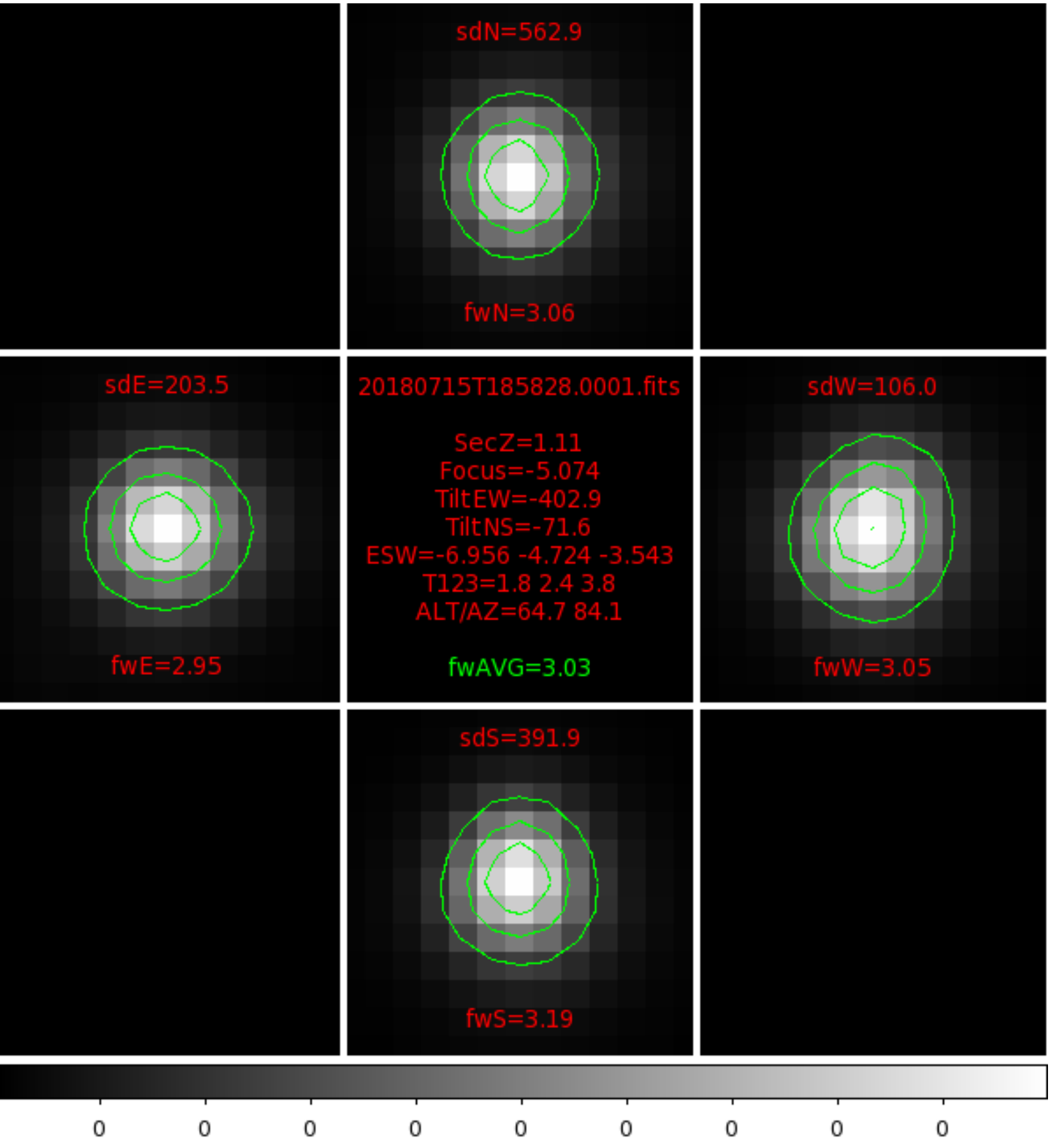
sdN=562.9
fwN=3.06
sdE=203.5
fwE=2.95
20180715T185828.0001.fits
SecZ=1.11
Focus=-5.074
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.956 -4.724 -3.543
T123=1.8 2.4 3.8
ALT/AZ=64.7 84.1
fwAVG=3.03
sdW=106.0
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sdS=391.9
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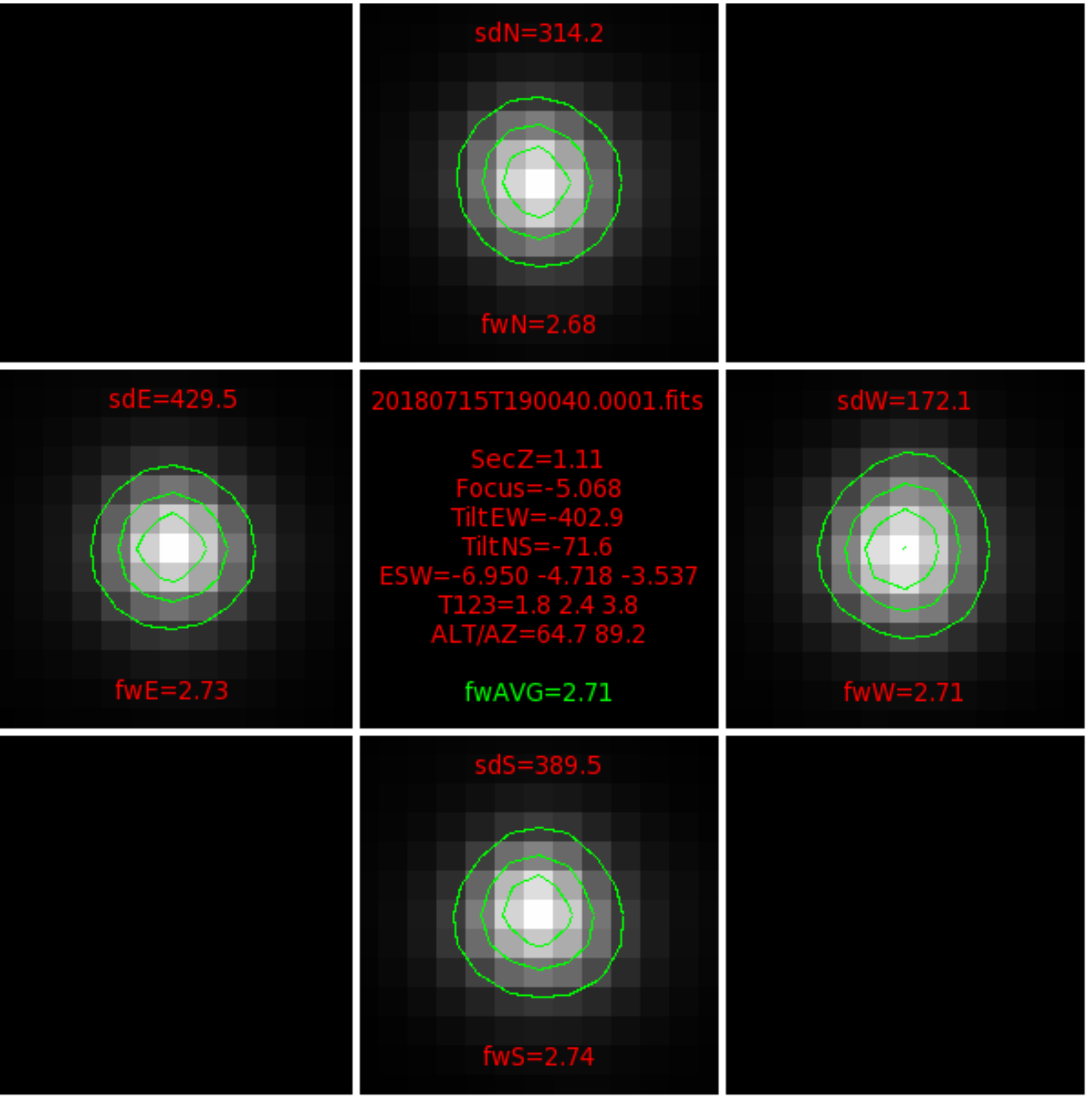
sdN=314.2
fwN=2.68
sdE=429.5
fwE=2.73
20180715T190040.0001.fits
SecZ=1.11
Focus=-5.068
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.950 -4.718 -3.537
T123=1.8 2.4 3.8
ALT/AZ=64.7 89.2
fwAVG=2.71
sdW=172.1
fwW=2.71
sdS=389.5
fwS=2.74
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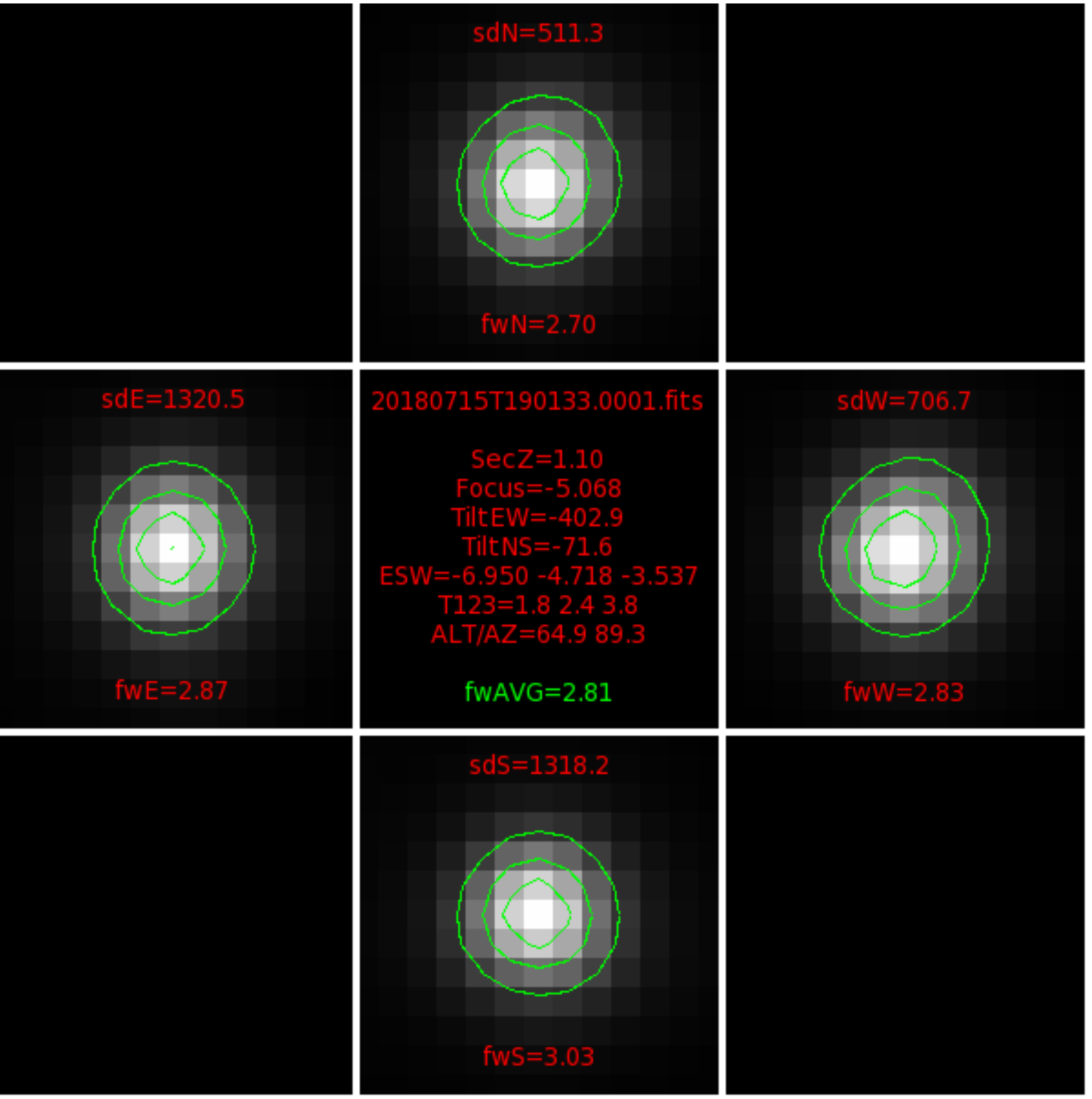
sdN=511.3
fwN=2.70
sdE=1320.5
fwE=2.87
20180715T190133.0001.fits
SecZ=1.10
Focus=-5.068
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.950 -4.718 -3.537
T123=1.8 2.4 3.8
ALT/AZ=64.9 89.3
fwAVG=2.81
sdW=706.7
fwW=2.83
sdS=1318.2
fwS=3.03
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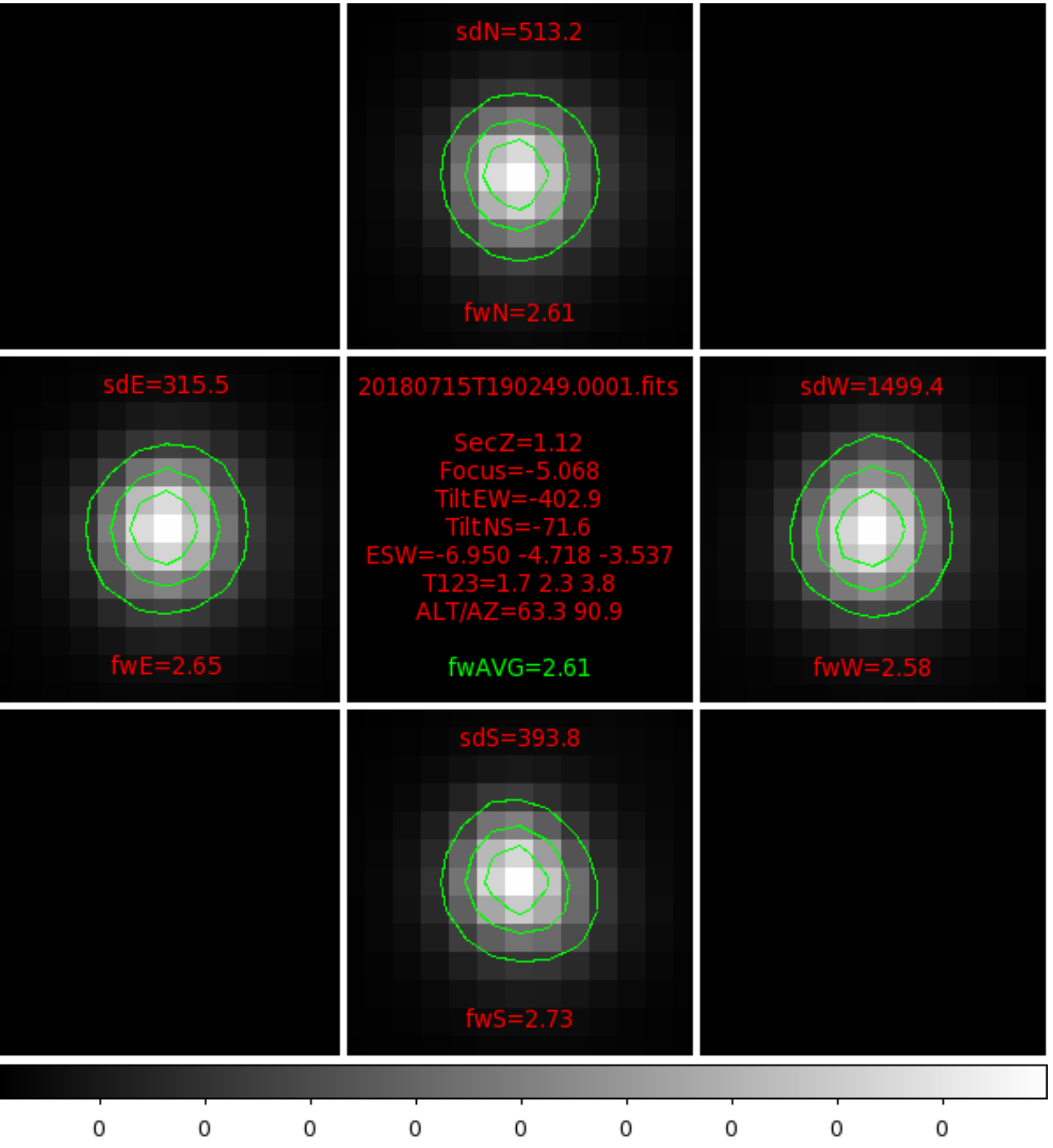
sdN=513.2
fwN=2.61
sdE=315.5
fwE=2.65
20180715T190249.0001.fits
SecZ=1.12
Focus=-5.068
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.950 -4.718 -3.537
T123=1.7 2.3 3.8
ALT/AZ=63.3 90.9
fwAVG=2.61
sdW=1499.4
fwW=2.58
sdS=393.8
fwS=2.73
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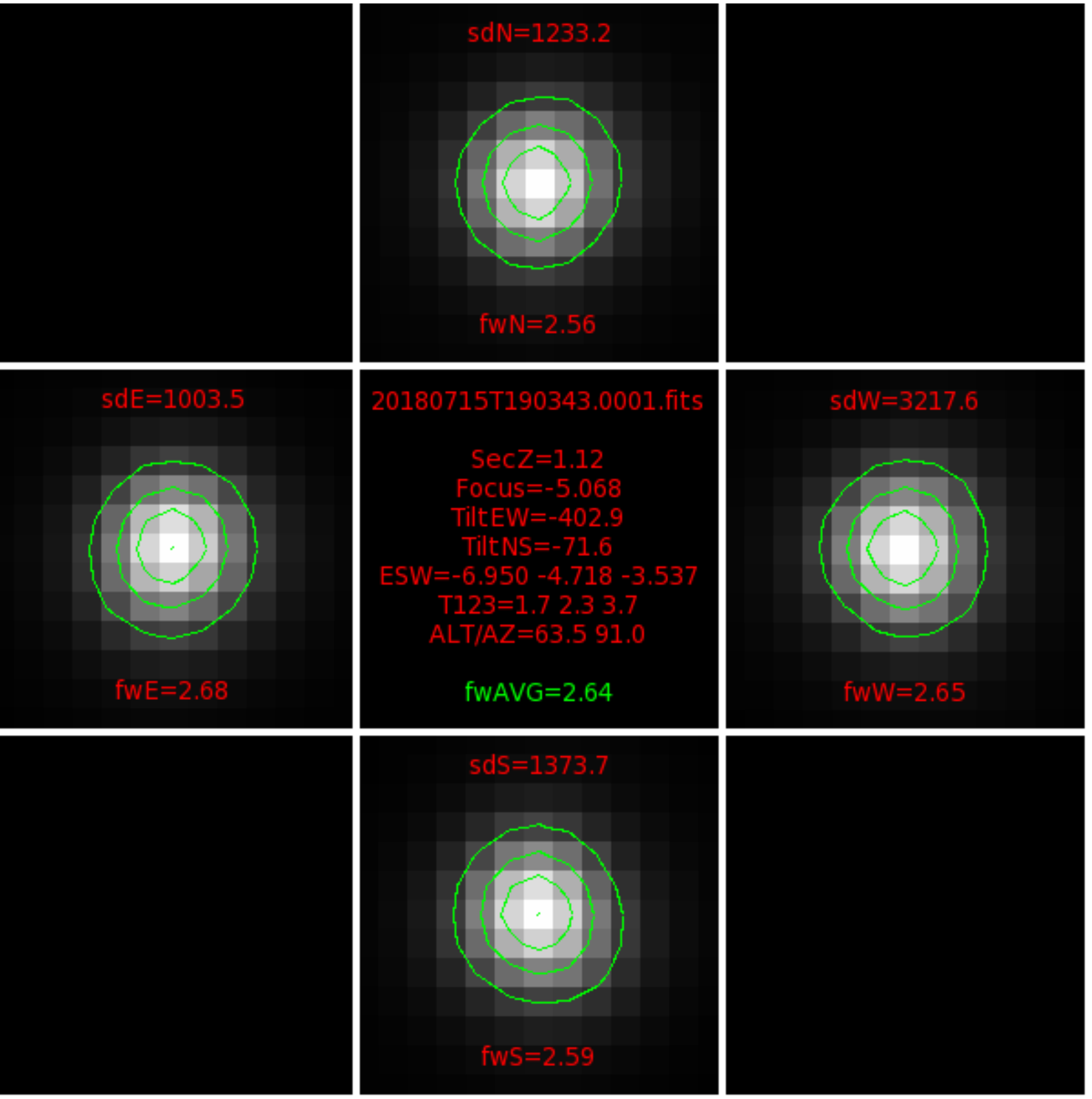
sdN=1233.2
fwN=2.56
sdE=1003.5
fwE=2.68
20180715T190343.0001.fits
SecZ=1.12
Focus=-5.068
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.950 -4.718 -3.537
T123=1.7 2.3 3.7
ALT/AZ=63.5 91.0
fwAVG=2.64
sdW=3217.6
fwW=2.65
sdS=1373.7
fwS=2.59
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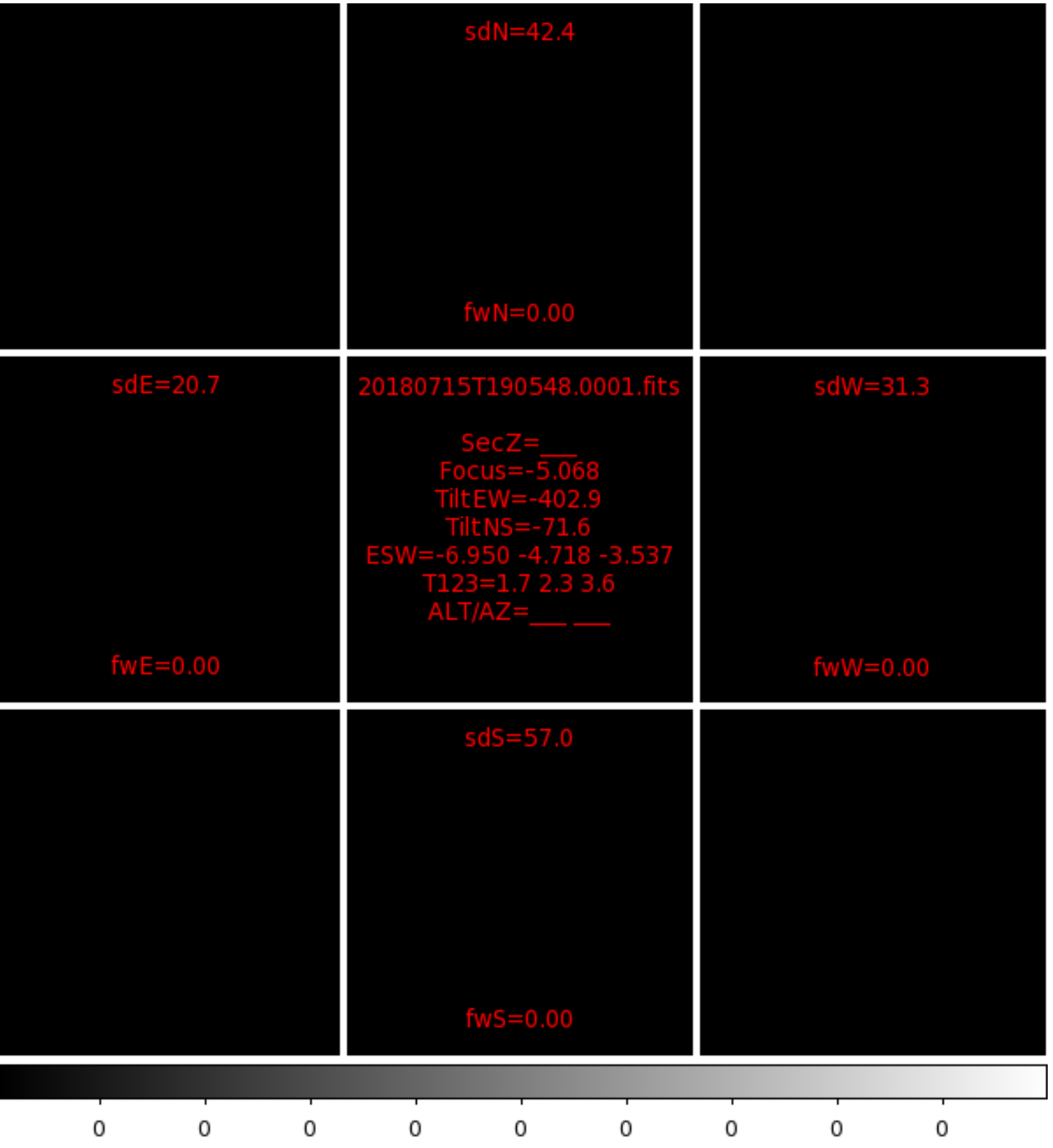
sdN=42.4
fwN=0.00
sdE=20.7
fwE=0.00
20180715T190548.0001.fits
SecZ=___
Focus=-5.068
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.950 -4.718 -3.537
T123=1.7 2.3 3.6
ALT/AZ=___ ___
sdW=31.3
fwW=0.00
sdS=57.0
fwS=0.00
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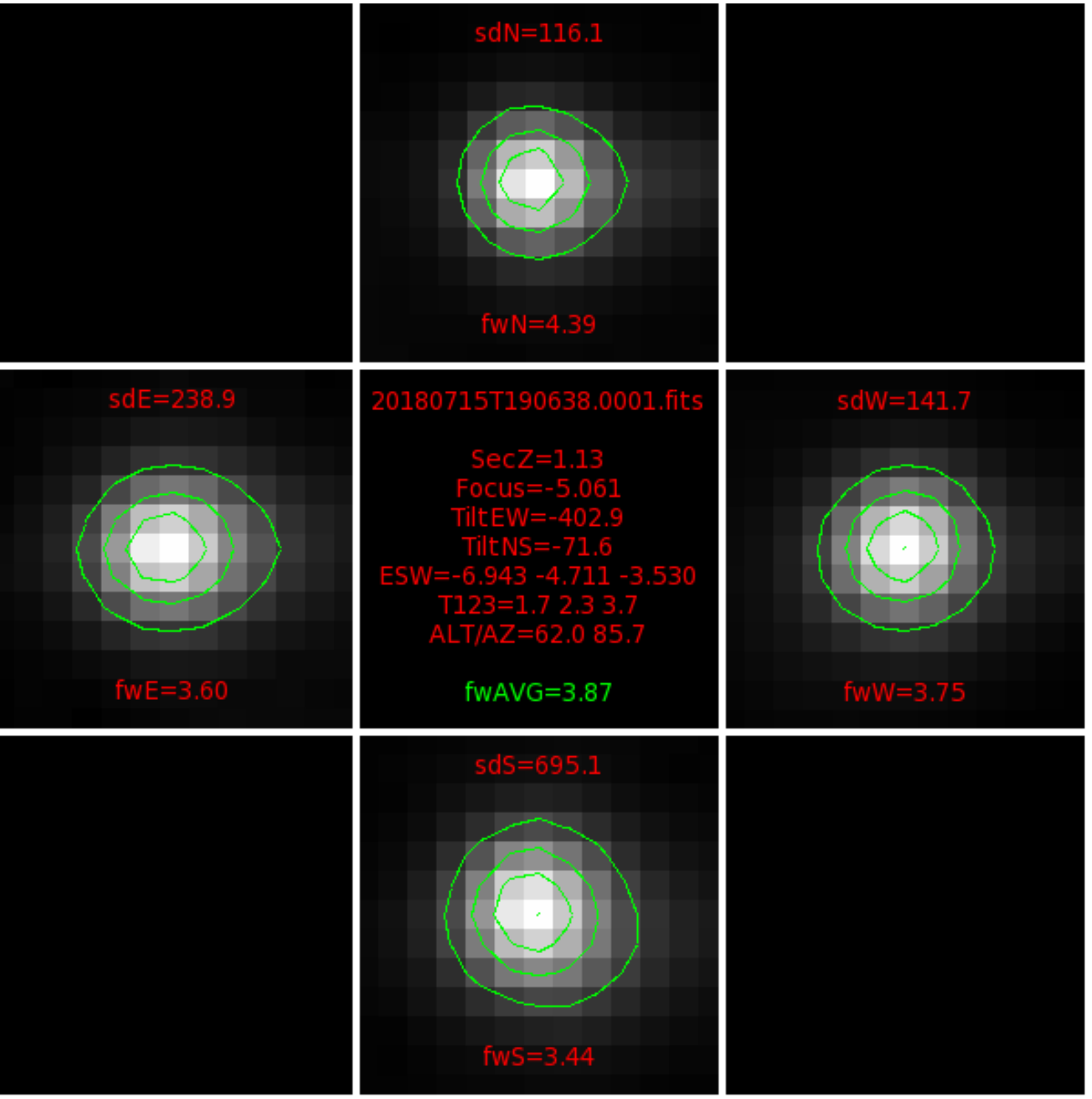
sdN=116.1
fwN=4.39
sdE=238.9
fwE=3.60
20180715T190638.0001.fits
SecZ=1.13
Focus=-5.061
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.943 -4.711 -3.530
T123=1.7 2.3 3.7
ALT/AZ=62.0 85.7
fwAVG=3.87
sdW=141.7
fwW=3.75
sdS=695.1
fwS=3.44
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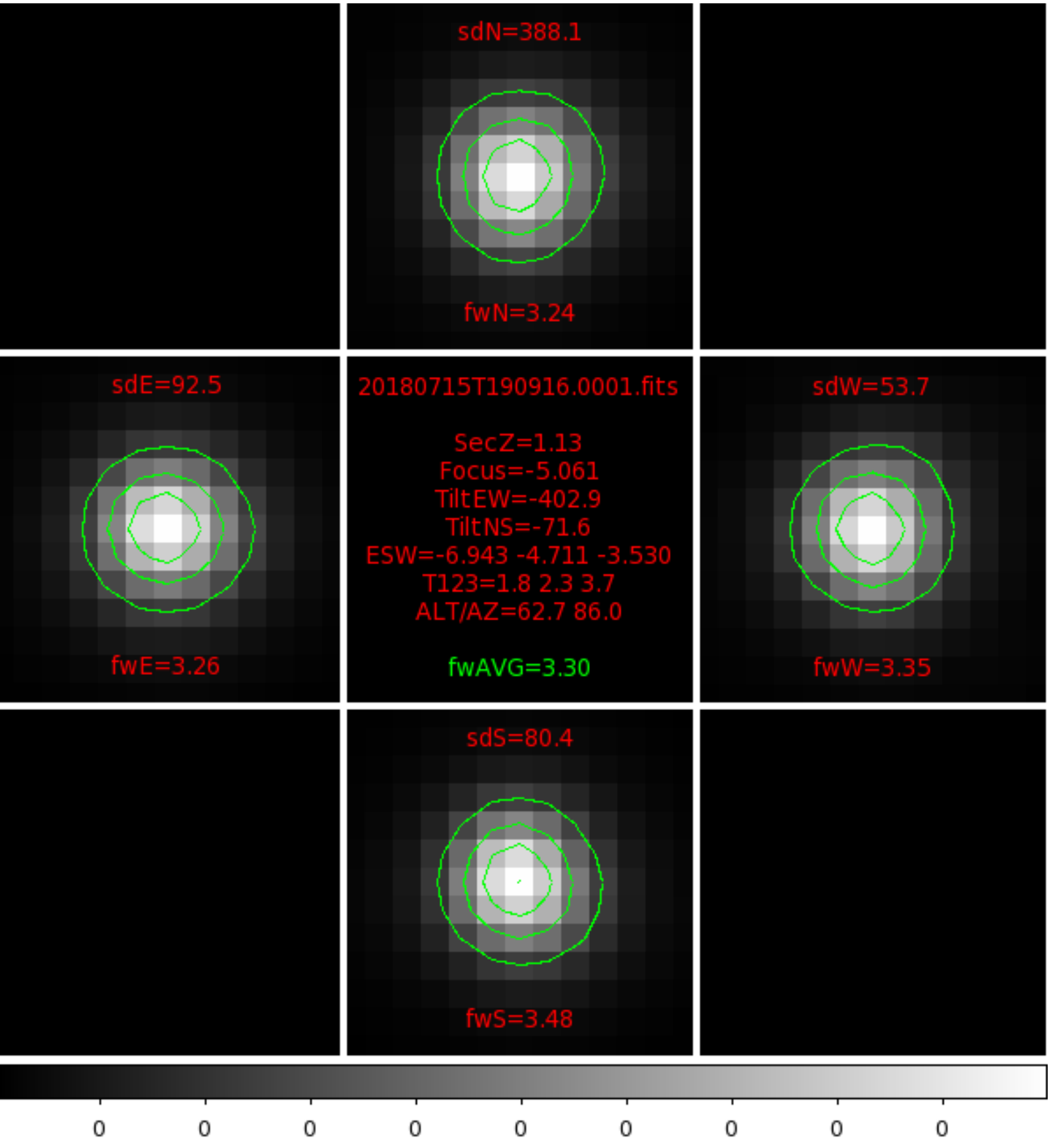
sdN=388.1
fwN=3.24
sdE=92.5
fwE=3.26
20180715T190916.0001.fits
SecZ=1.13
Focus=-5.061
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.943 -4.711 -3.530
T123=1.8 2.3 3.7
ALT/AZ=62.7 86.0
fwAVG=3.30
sdW=53.7
fwW=3.35
sdS=80.4
fwS=3.48
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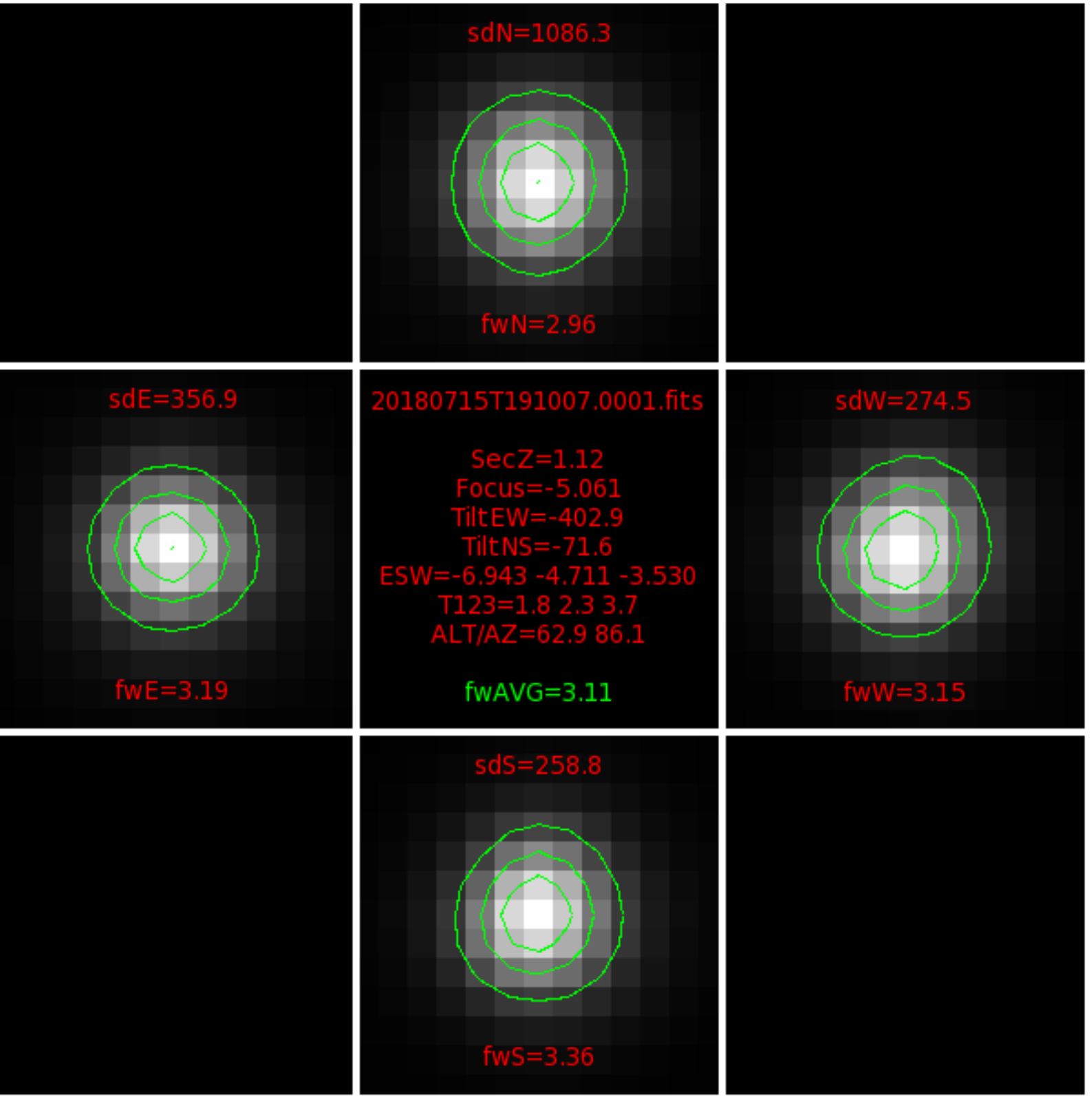
sdN=1086.3
fwN=2.96
sdE=356.9
fwE=3.19
20180715T191007.0001.fits
SecZ=1.12
Focus=-5.061
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.943 -4.711 -3.530
T123=1.8 2.3 3.7
ALT/AZ=62.9 86.1
fwAVG=3.11
sdW=274.5
fwW=3.15
sdS=258.8
fwS=3.36
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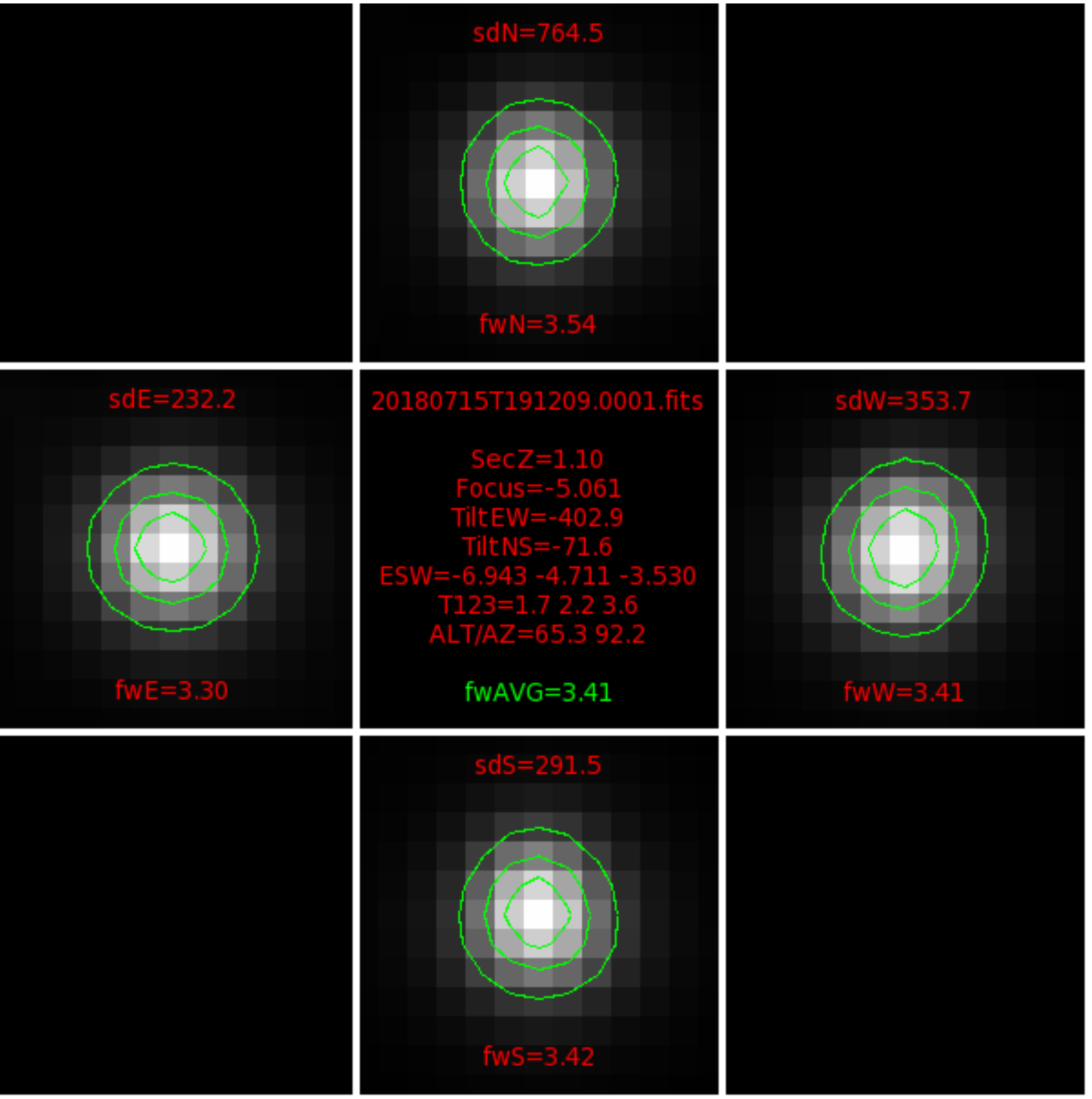
sdN=764.5
fwN=3.54
sdE=232.2
fwE=3.30
20180715T191209.0001.fits
SecZ=1.10
Focus=-5.061
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.943 -4.711 -3.530
T123=1.7 2.2 3.6
ALT/AZ=65.3 92.2
fwAVG=3.41
sdW=353.7
fwW=3.41
sdS=291.5
fwS=3.42
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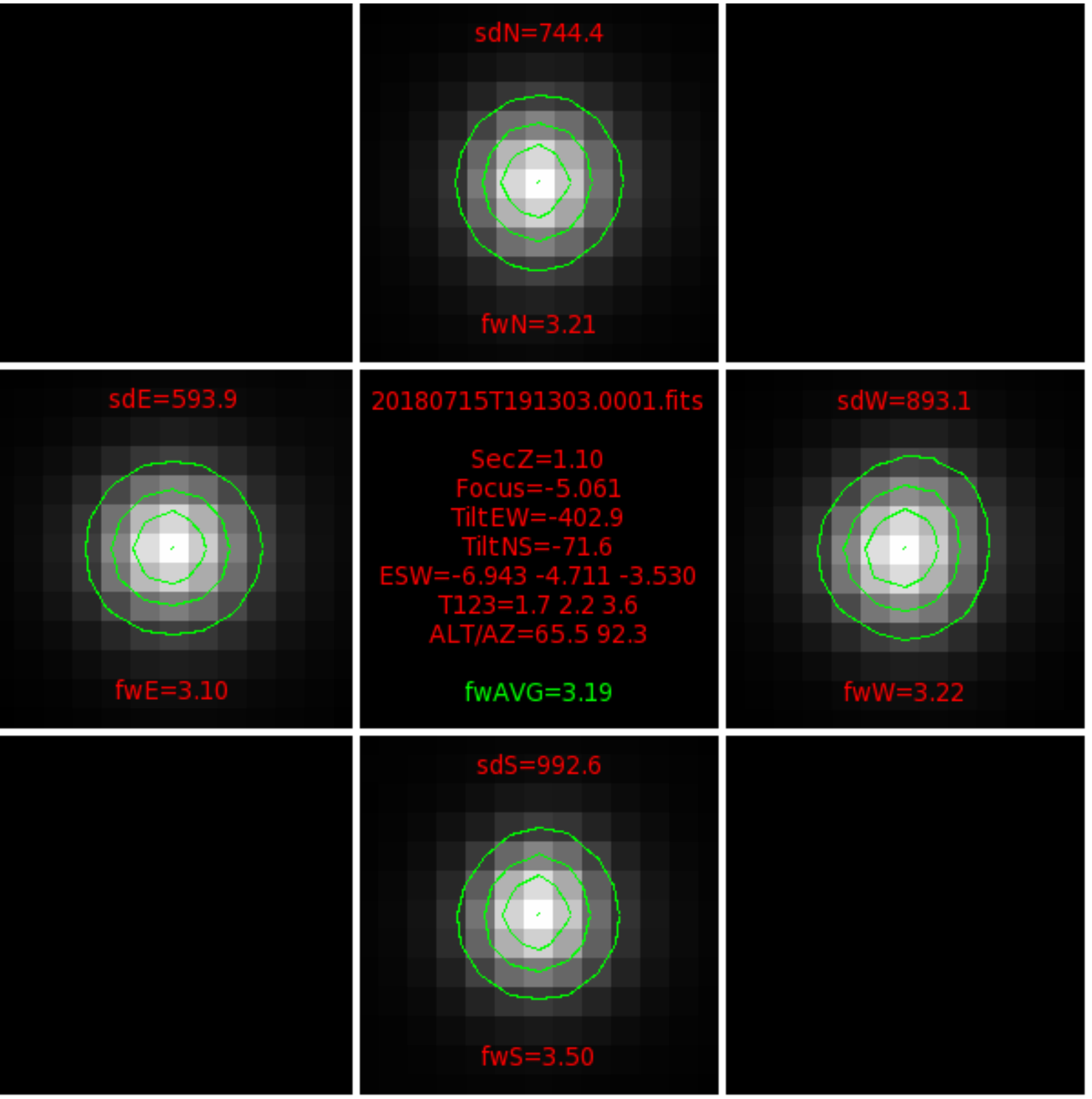
sdN=744.4
fwN=3.21
sdE=593.9
fwE=3.10
20180715T191303.0001.fits
SecZ=1.10
Focus=-5.061
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.943 -4.711 -3.530
T123=1.7 2.2 3.6
ALT/AZ=65.5 92.3
fwAVG=3.19
sdW=893.1
fwW=3.22
sdS=992.6
fwS=3.50
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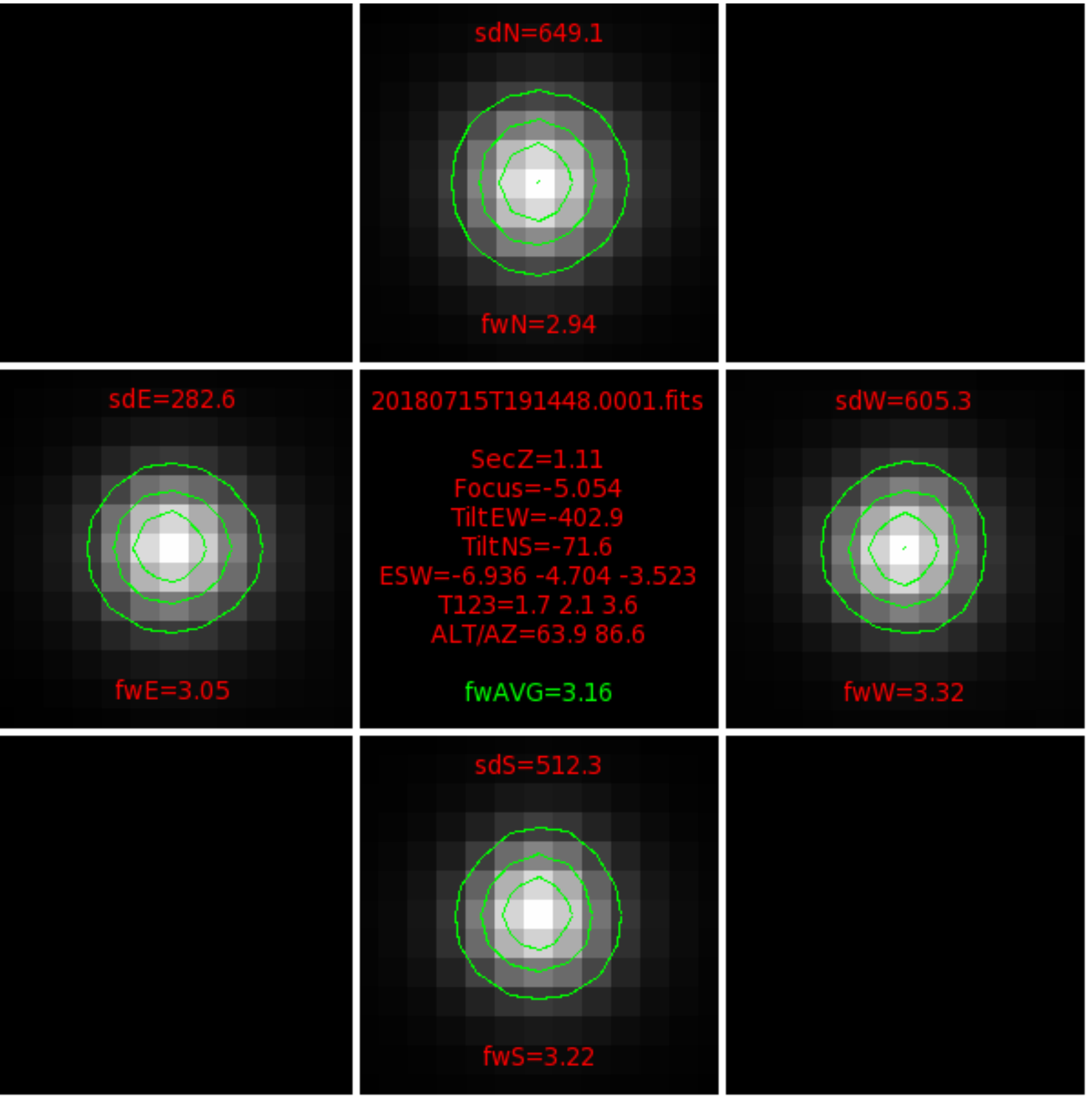
sdN=649.1
fwN=2.94
sdE=282.6
fwE=3.05
20180715T191448.0001.fits
SecZ=1.11
Focus=-5.054
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.936 -4.704 -3.523
T123=1.7 2.1 3.6
ALT/AZ=63.9 86.6
fwAVG=3.16
sdW=605.3
fwW=3.32
sdS=512.3
fwS=3.22
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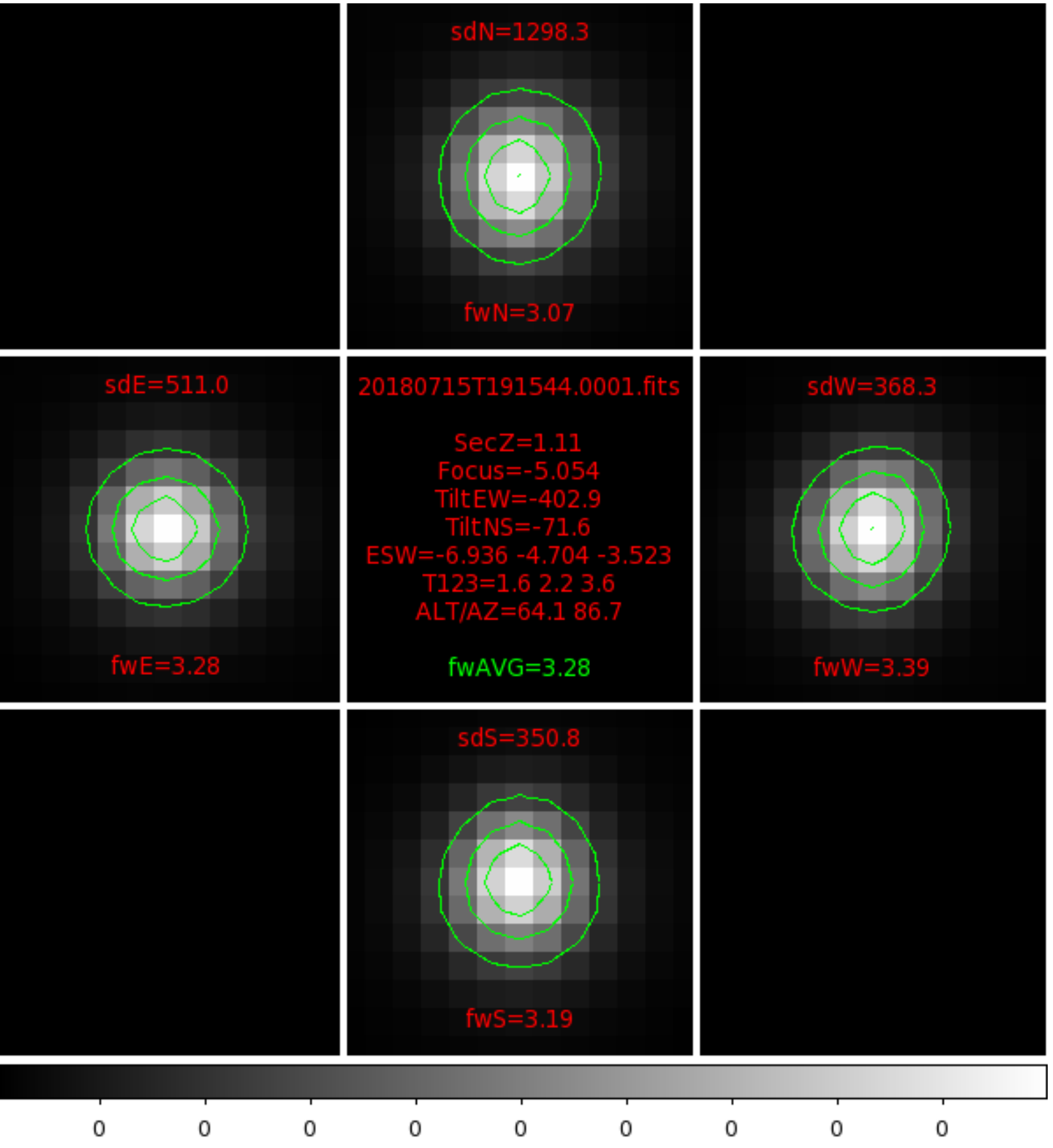
sdN=1298.3
fwN=3.07
sdE=511.0
fwE=3.28
20180715T191544.0001.fits
SecZ=1.11
Focus=-5.054
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.936 -4.704 -3.523
T123=1.6 2.2 3.6
ALT/AZ=64.1 86.7
fwAVG=3.28
sdW=368.3
fwW=3.39
sdS=350.8
fwS=3.19
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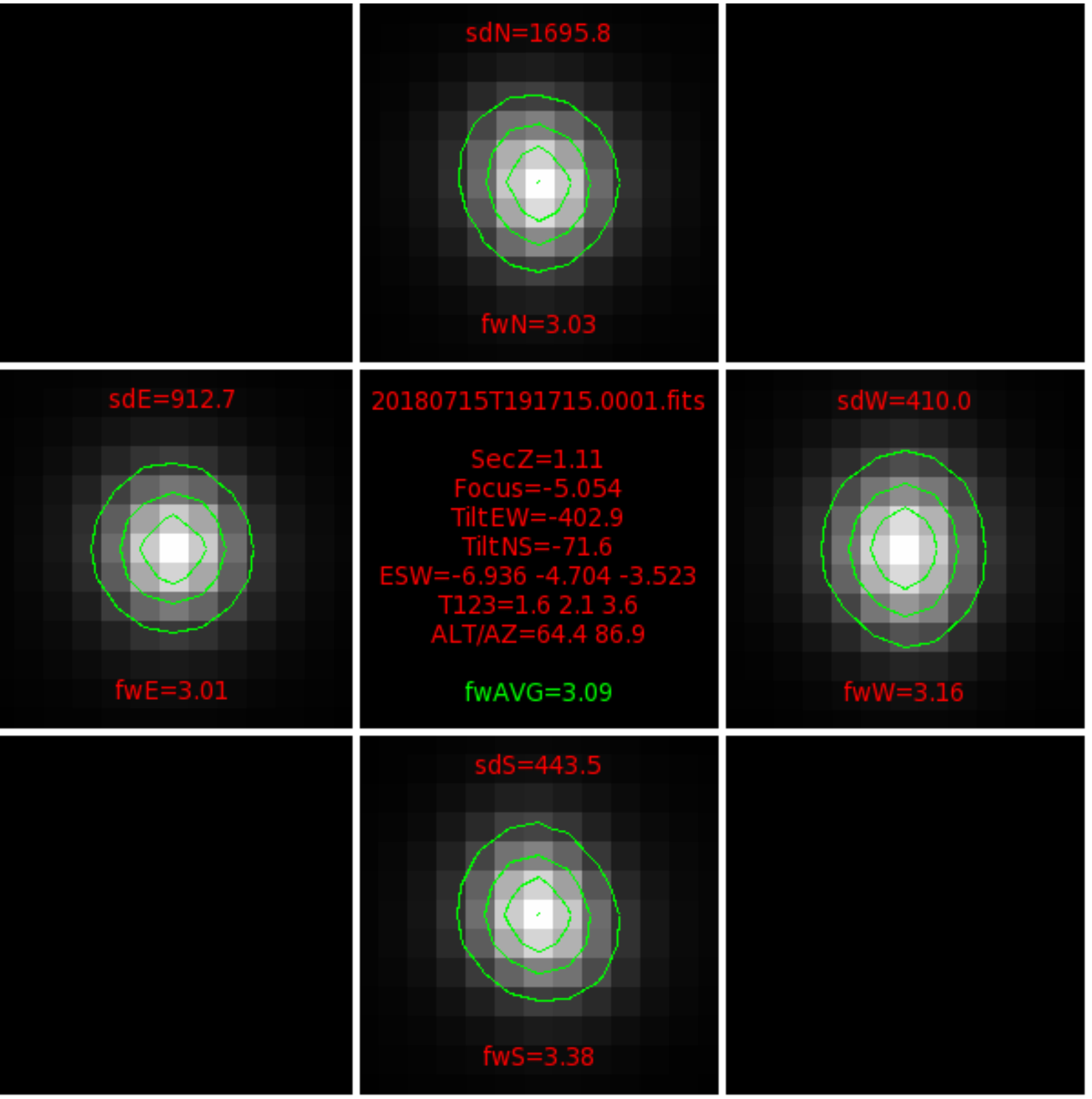
sdN=1695.8
fwN=3.03
sdE=912.7
fwE=3.01
20180715T191715.0001.fits
SecZ=1.11
Focus=-5.054
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.936 -4.704 -3.523
T123=1.6 2.1 3.6
ALT/AZ=64.4 86.9
fwAVG=3.09
sdW=410.0
fwW=3.16
sdS=443.5
fwS=3.38
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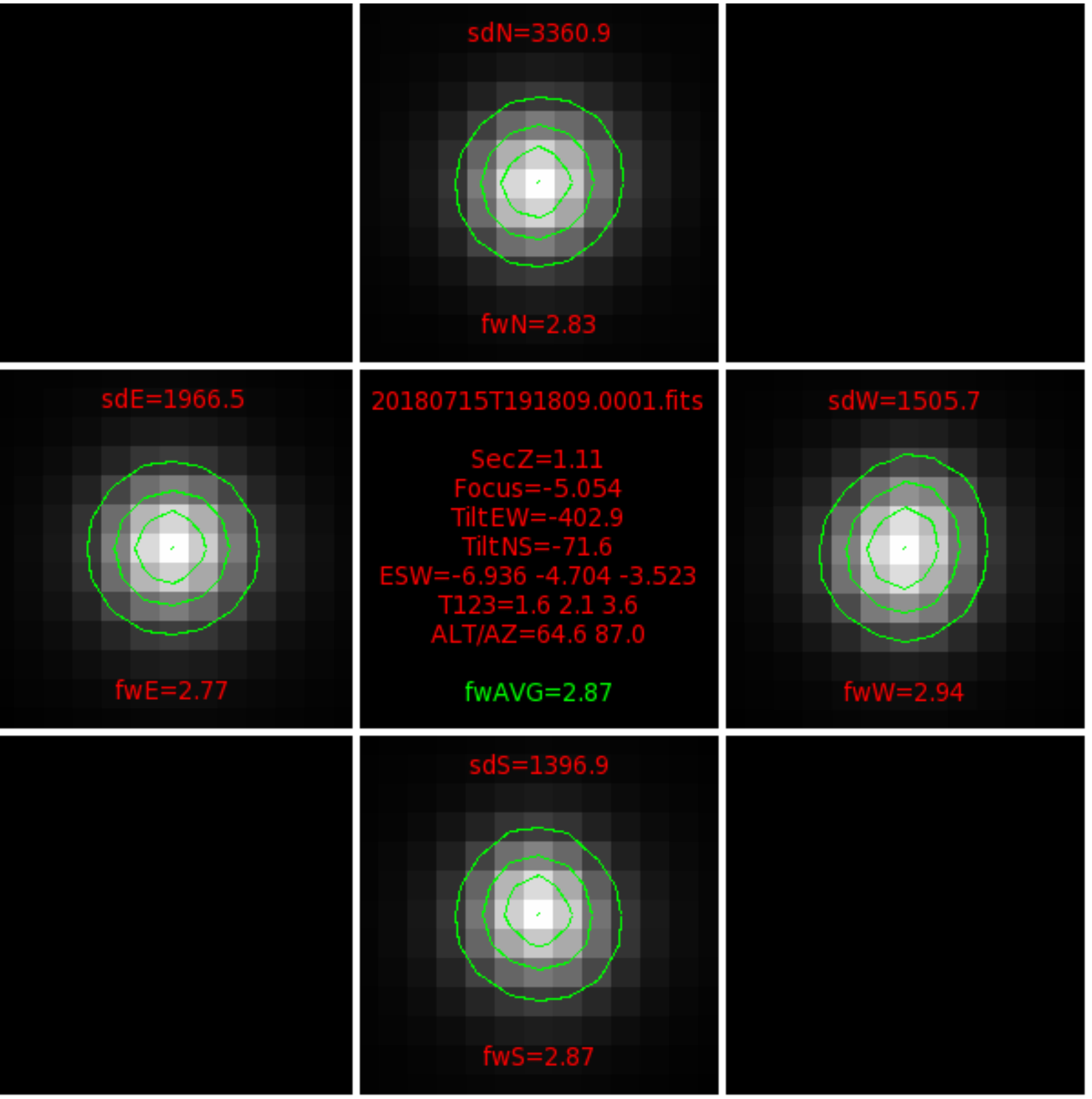
sdN=3360.9
fwN=2.83
sdE=1966.5
fwE=2.77
20180715T191809.0001.fits
SecZ=1.11
Focus=-5.054
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.936 -4.704 -3.523
T123=1.6 2.1 3.6
ALT/AZ=64.6 87.0
fwAVG=2.87
sdW=1505.7
fwW=2.94
sdS=1396.9
fwS=2.87
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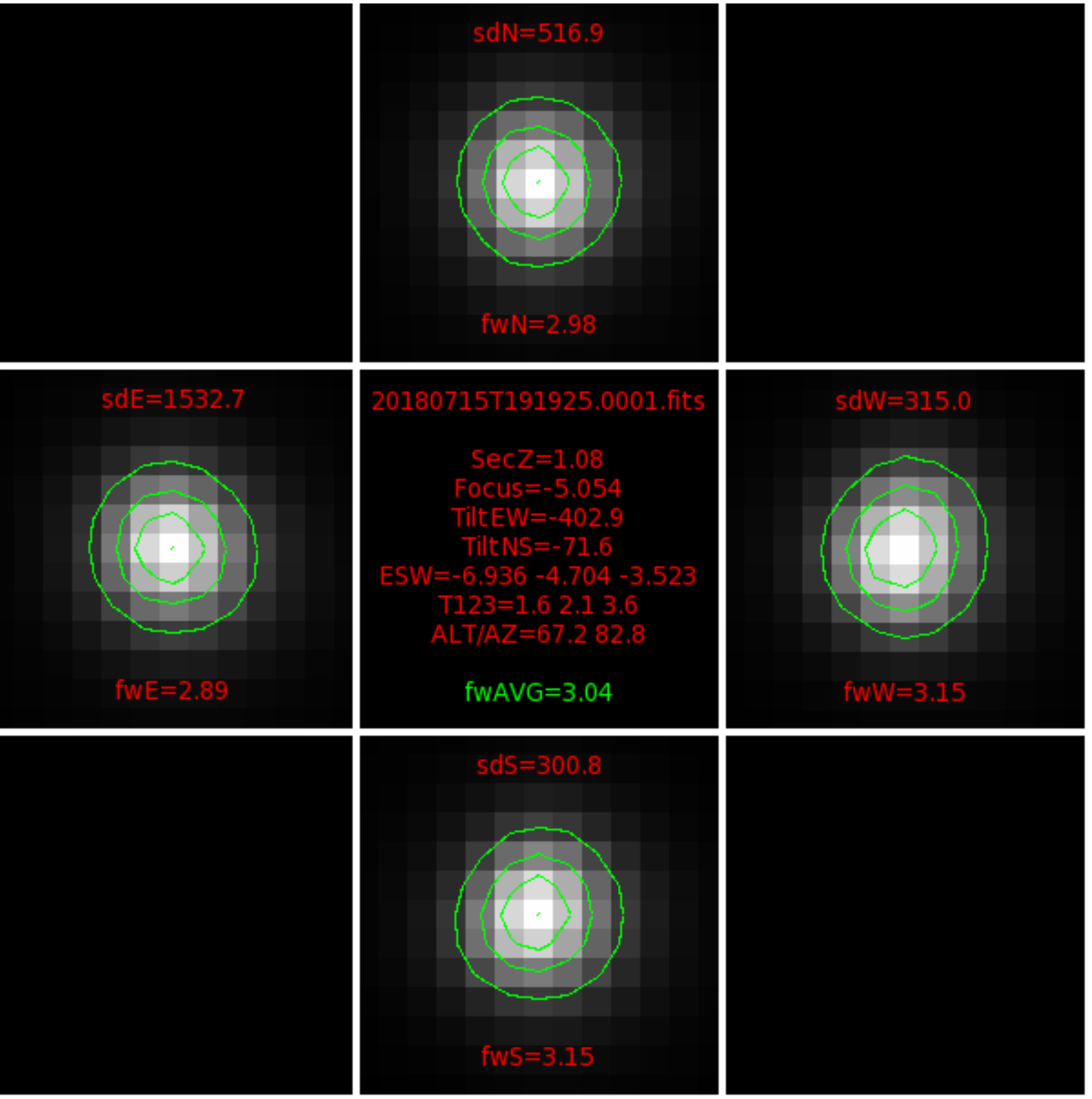
sdN=516.9
fwN=2.98
sdE=1532.7
fwE=2.89
20180715T191925.0001.fits
SecZ=1.08
Focus=-5.054
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.936 -4.704 -3.523
T123=1.6 2.1 3.6
ALT/AZ=67.2 82.8
fwAVG=3.04
sdW=315.0
fwW=3.15
sdS=300.8
fwS=3.15
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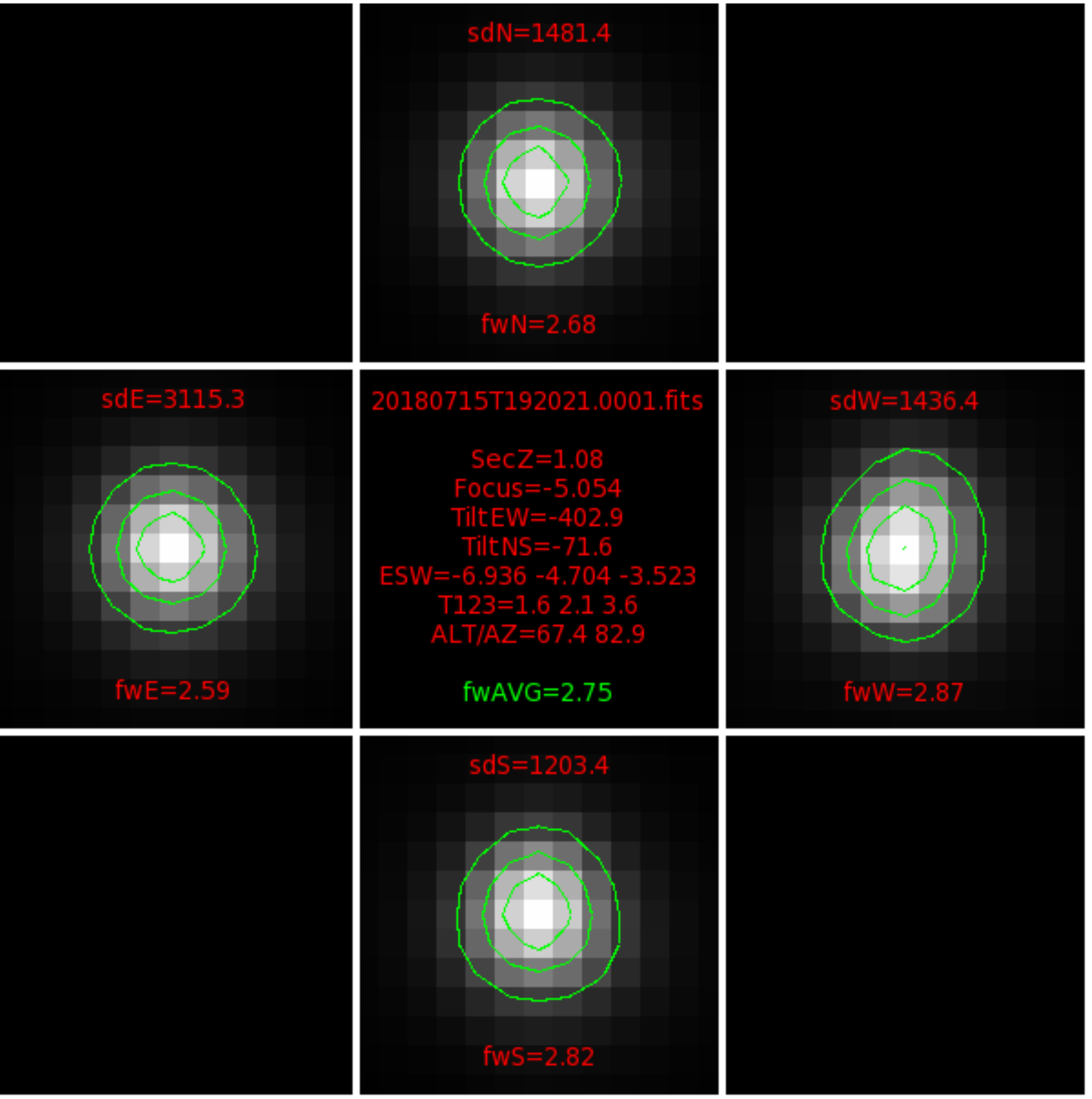
sdN=1481.4
fwN=2.68
sdE=3115.3
fwE=2.59
20180715T192021.0001.fits
SecZ=1.08
Focus=-5.054
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.936 -4.704 -3.523
T123=1.6 2.1 3.6
ALT/AZ=67.4 82.9
fwAVG=2.75
sdW=1436.4
fwW=2.87
sdS=1203.4
fwS=2.82
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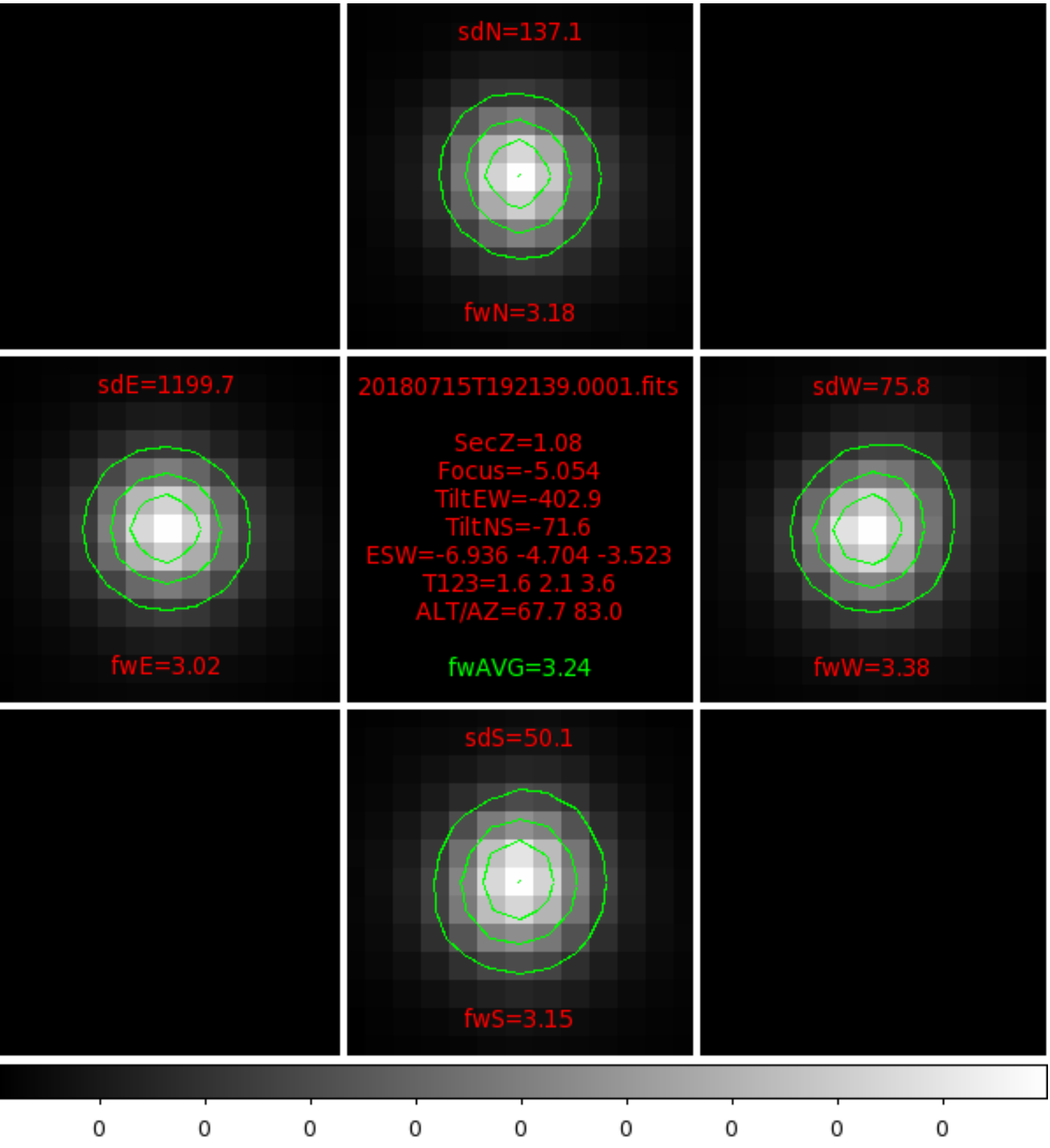
sdN=137.1
fwN=3.18
sdE=1199.7
fwE=3.02
20180715T192139.0001.fits
SecZ=1.08
Focus=-5.054
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.936 -4.704 -3.523
T123=1.6 2.1 3.6
ALT/AZ=67.7 83.0
fwAVG=3.24
sdW=75.8
fwW=3.38
sdS=50.1
fwS=3.15
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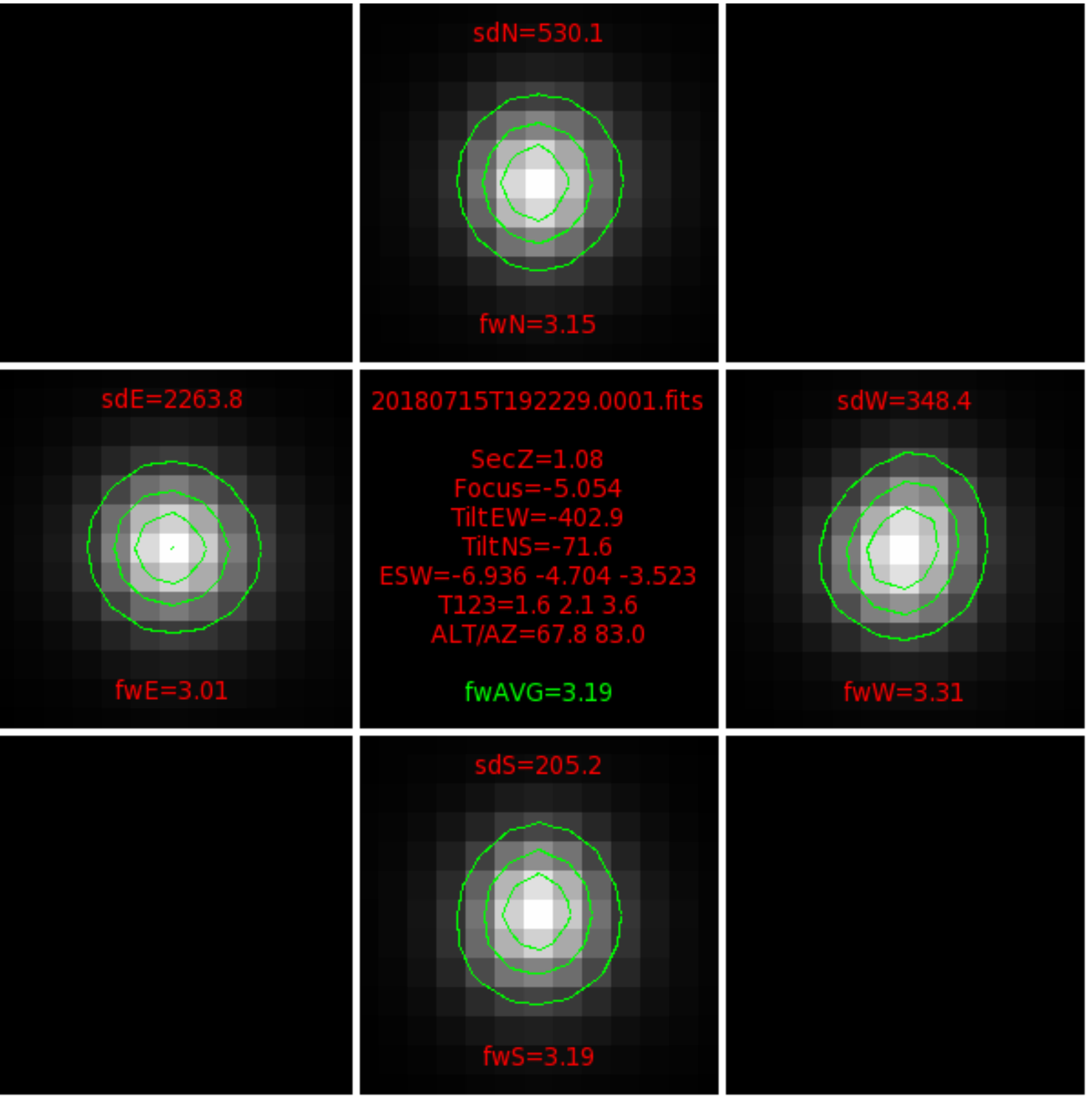
sdN=530.1
fwN=3.15
sdE=2263.8
fwE=3.01
20180715T192229.0001.fits
SecZ=1.08
Focus=-5.054
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.936 -4.704 -3.523
T123=1.6 2.1 3.6
ALT/AZ=67.8 83.0
fwAVG=3.19
sdW=348.4
fwW=3.31
sdS=205.2
fwS=3.19
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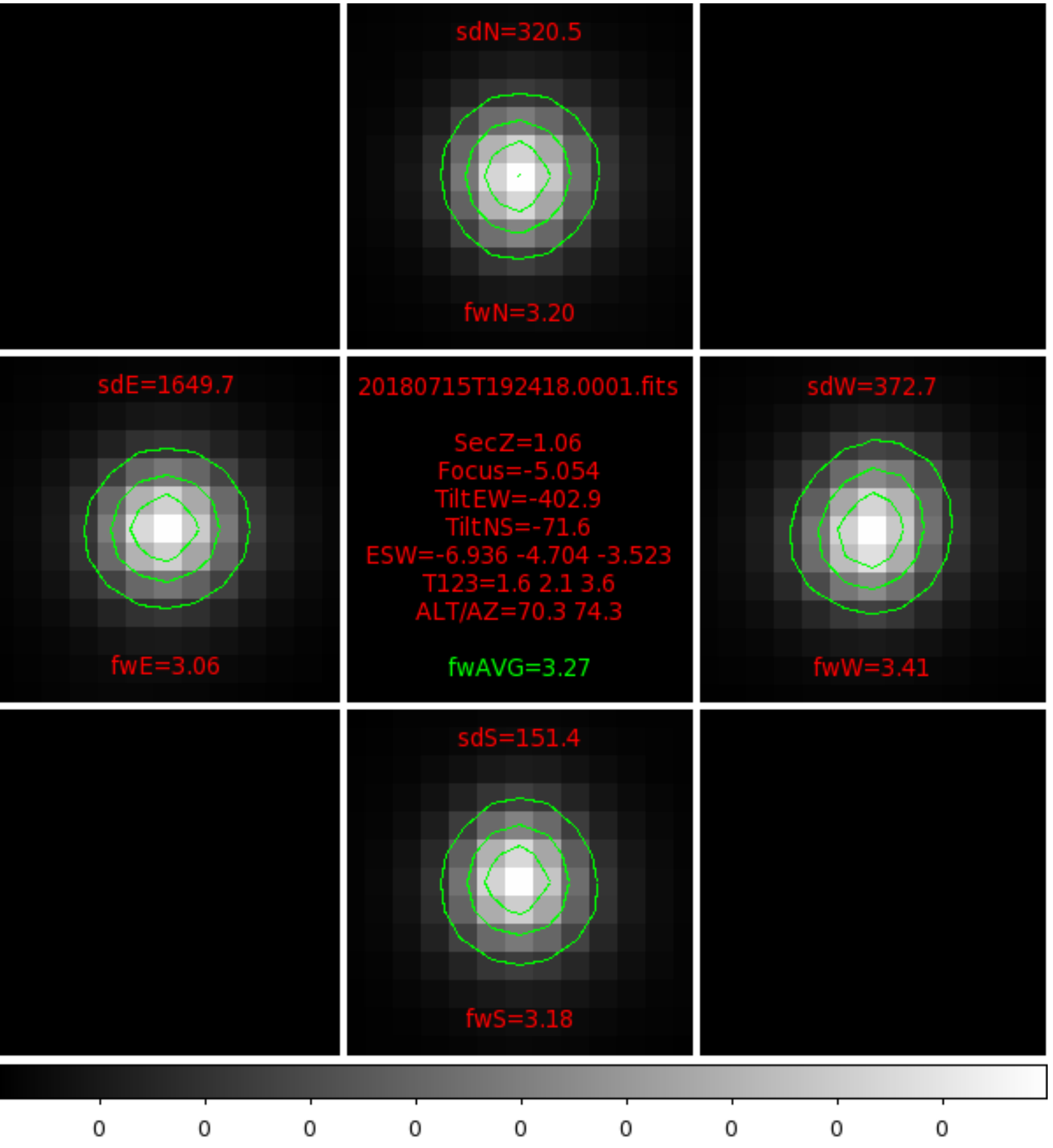
sdN=320.5
fwN=3.20
sdE=1649.7
fwE=3.06
20180715T192418.0001.fits
SecZ=1.06
Focus=-5.054
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.936 -4.704 -3.523
T123=1.6 2.1 3.6
ALT/AZ=70.3 74.3
fwAVG=3.27
sdW=372.7
fwW=3.41
sdS=151.4
fwS=3.18
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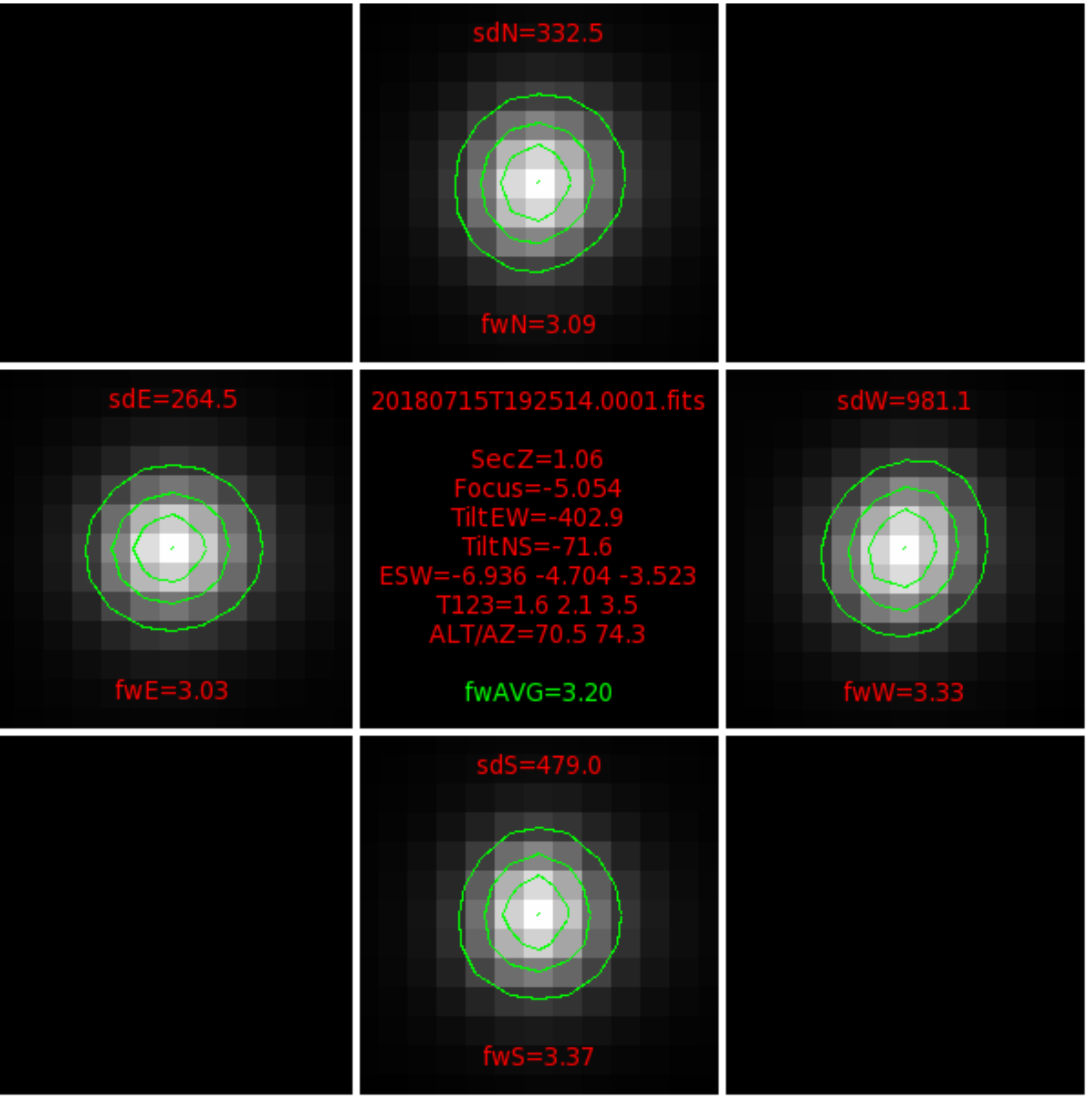
sdN=332.5
fwN=3.09
sdE=264.5
fwE=3.03
20180715T192514.0001.fits
SecZ=1.06
Focus=-5.054
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.936 -4.704 -3.523
T123=1.6 2.1 3.5
ALT/AZ=70.5 74.3
fwAVG=3.20
sdW=981.1
fwW=3.33
sdS=479.0
fwS=3.37
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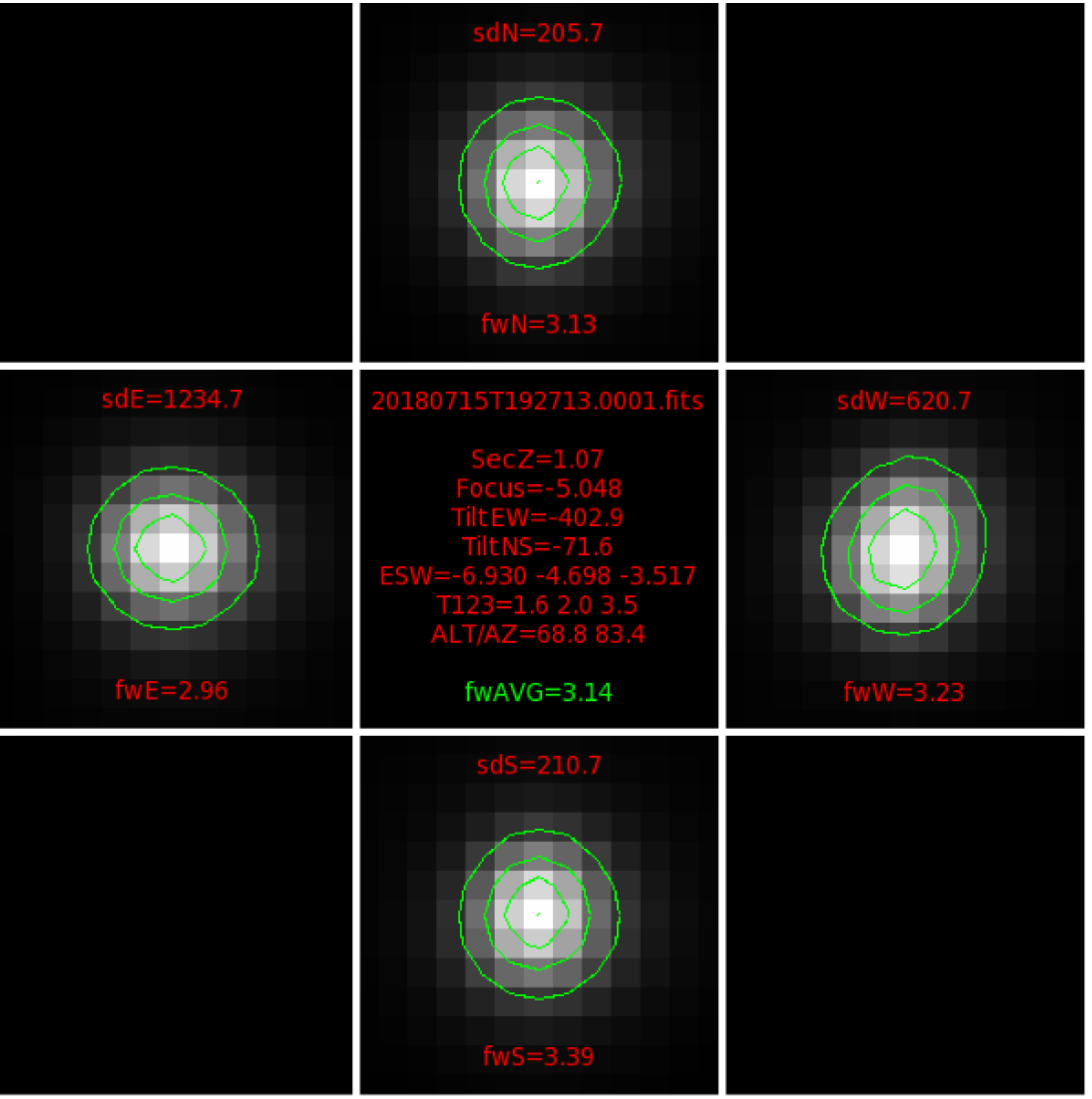
sdN=205.7
fwN=3.13
sdE=1234.7
fwE=2.96
20180715T192713.0001.fits
SecZ=1.07
Focus=-5.048
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.930 -4.698 -3.517
T123=1.6 2.0 3.5
ALT/AZ=68.8 83.4
fwAVG=3.14
sdW=620.7
fwW=3.23
sdS=210.7
fwS=3.39
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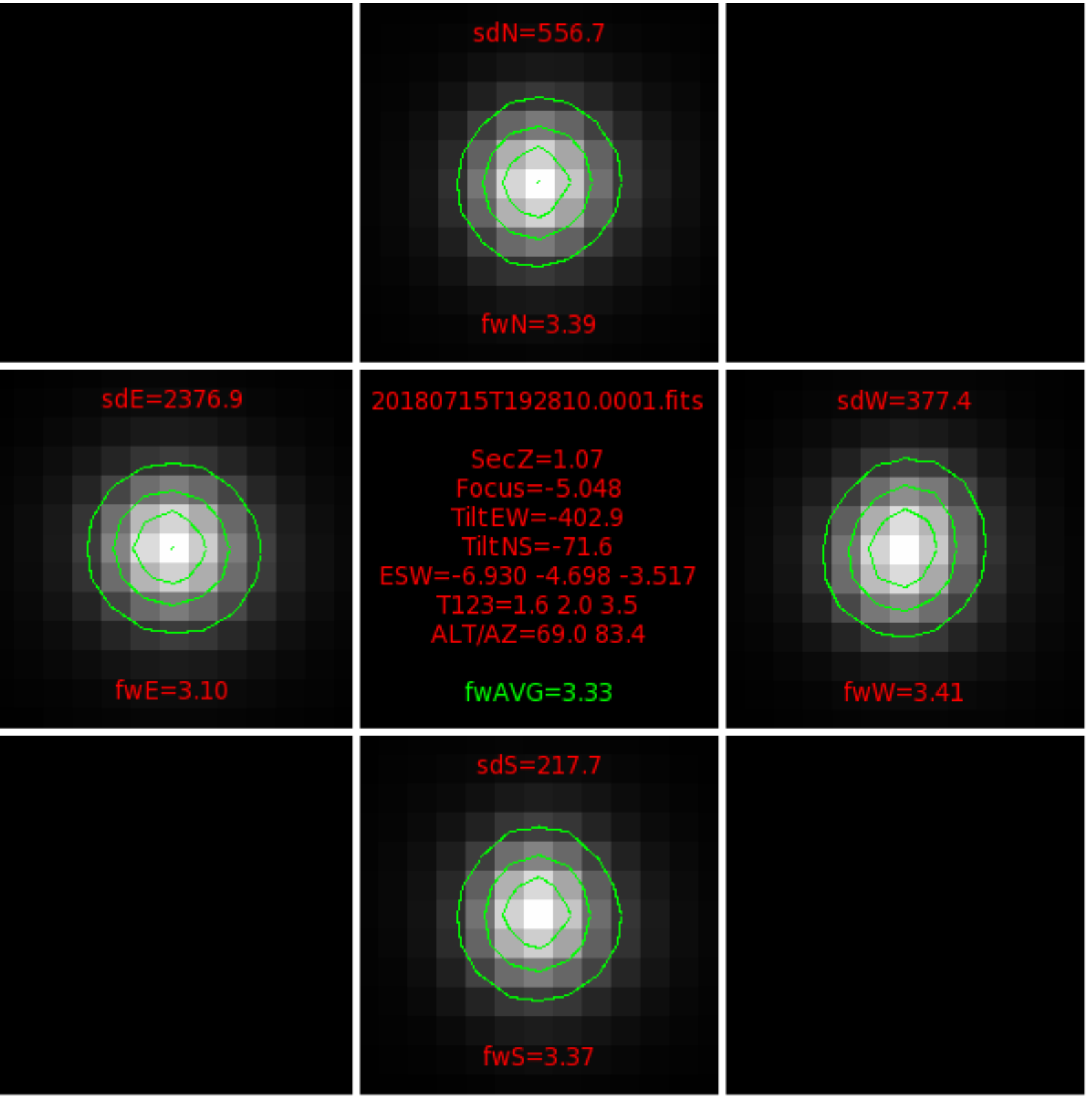
sdN=556.7
fwN=3.39
sdE=2376.9
fwE=3.10
20180715T192810.0001.fits
SecZ=1.07
Focus=-5.048
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.930 -4.698 -3.517
T123=1.6 2.0 3.5
ALT/AZ=69.0 83.4
fwAVG=3.33
sdW=377.4
fwW=3.41
sdS=217.7
fwS=3.37
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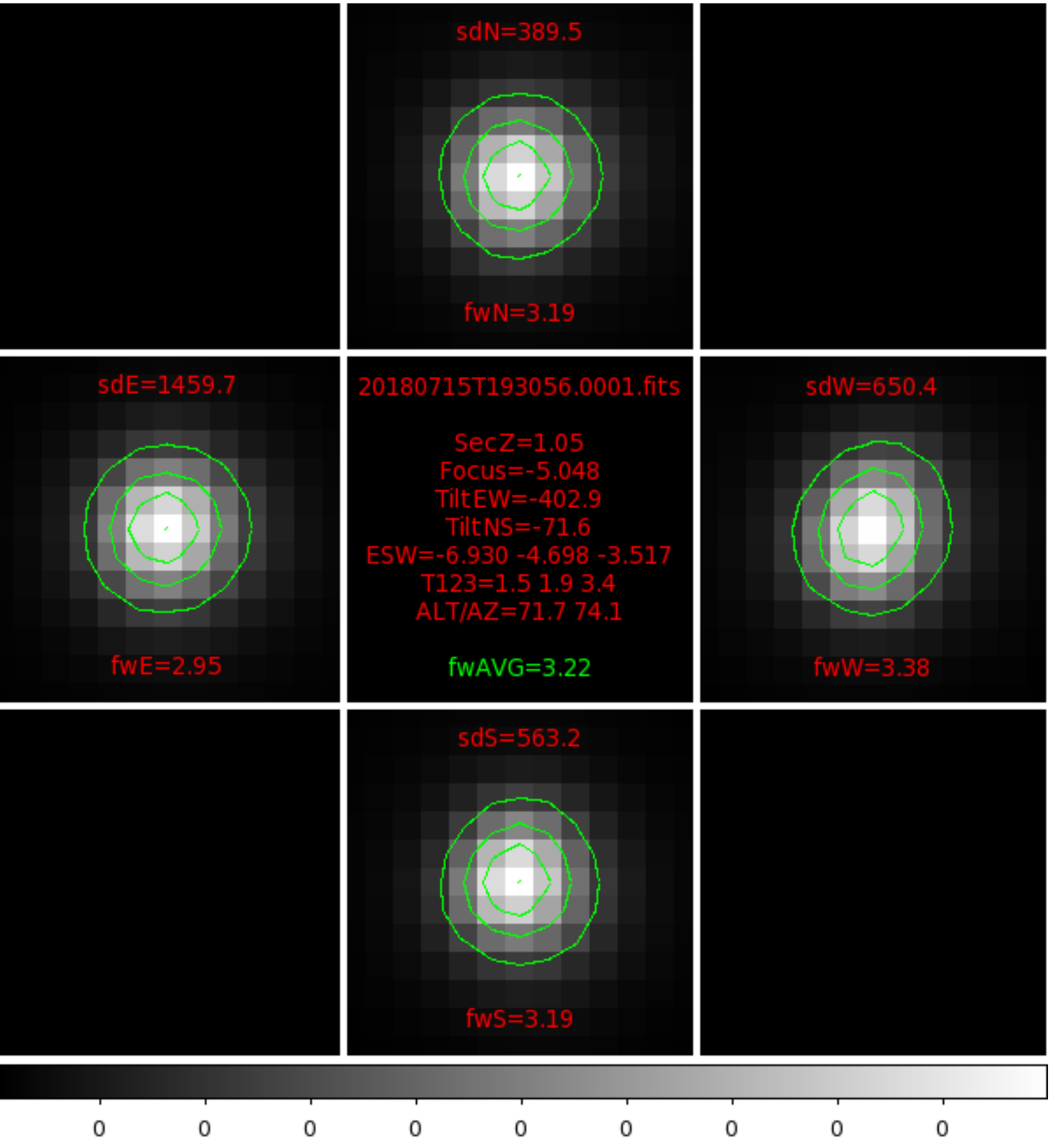
sdN=389.5
fwN=3.19
sdE=1459.7
fwE=2.95
20180715T193056.0001.fits
SecZ=1.05
Focus=-5.048
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.930 -4.698 -3.517
T123=1.5 1.9 3.4
ALT/AZ=71.7 74.1
fwAVG=3.22
sdW=650.4
fwW=3.38
sdS=563.2
fwS=3.19
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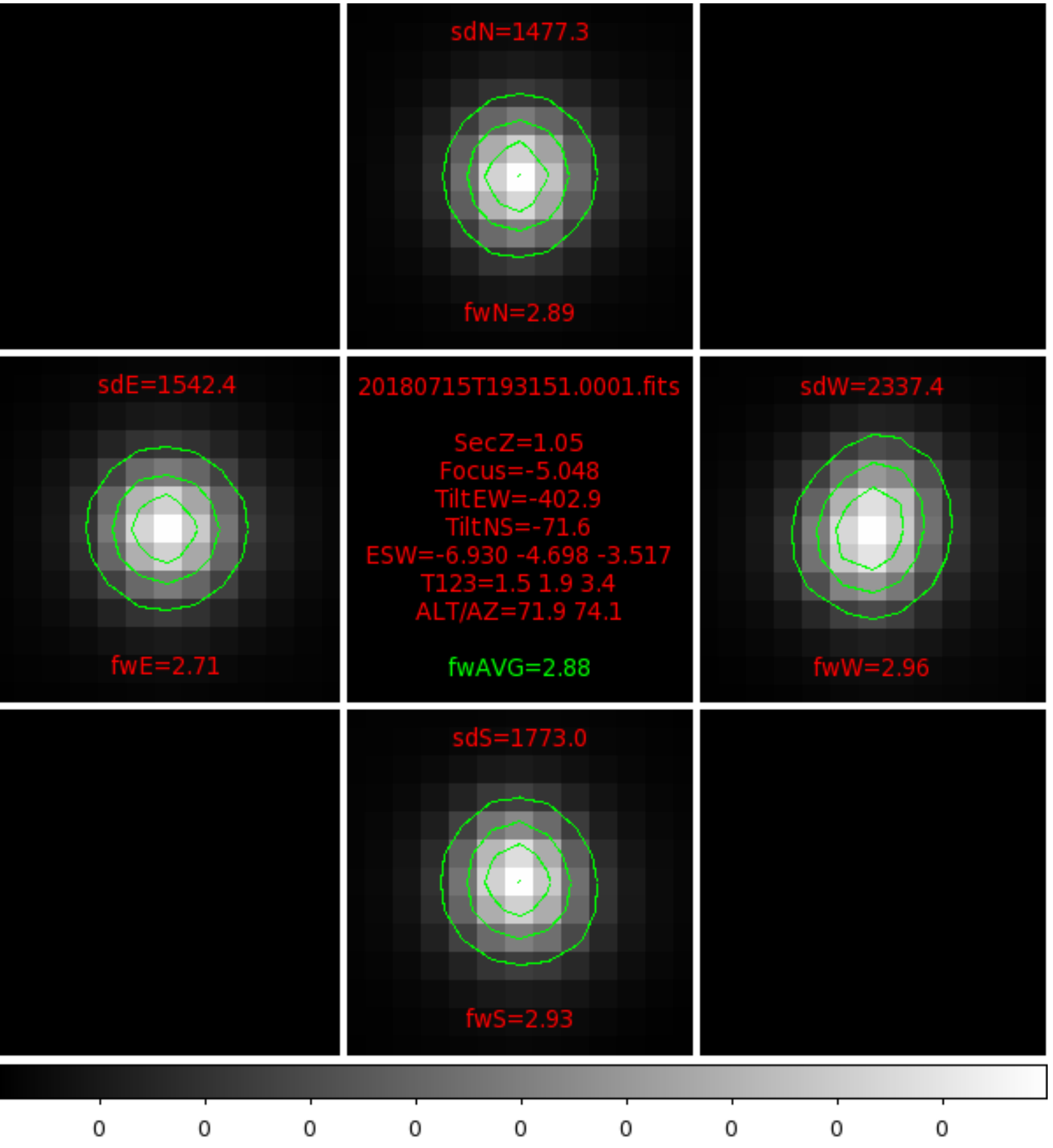
sdN=1477.3
fwN=2.89
sdE=1542.4
fwE=2.71
20180715T193151.0001.fits
SecZ=1.05
Focus=-5.048
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.930 -4.698 -3.517
T123=1.5 1.9 3.4
ALT/AZ=71.9 74.1
fwAVG=2.88
sdW=2337.4
fwW=2.96
sdS=1773.0
fwS=2.93
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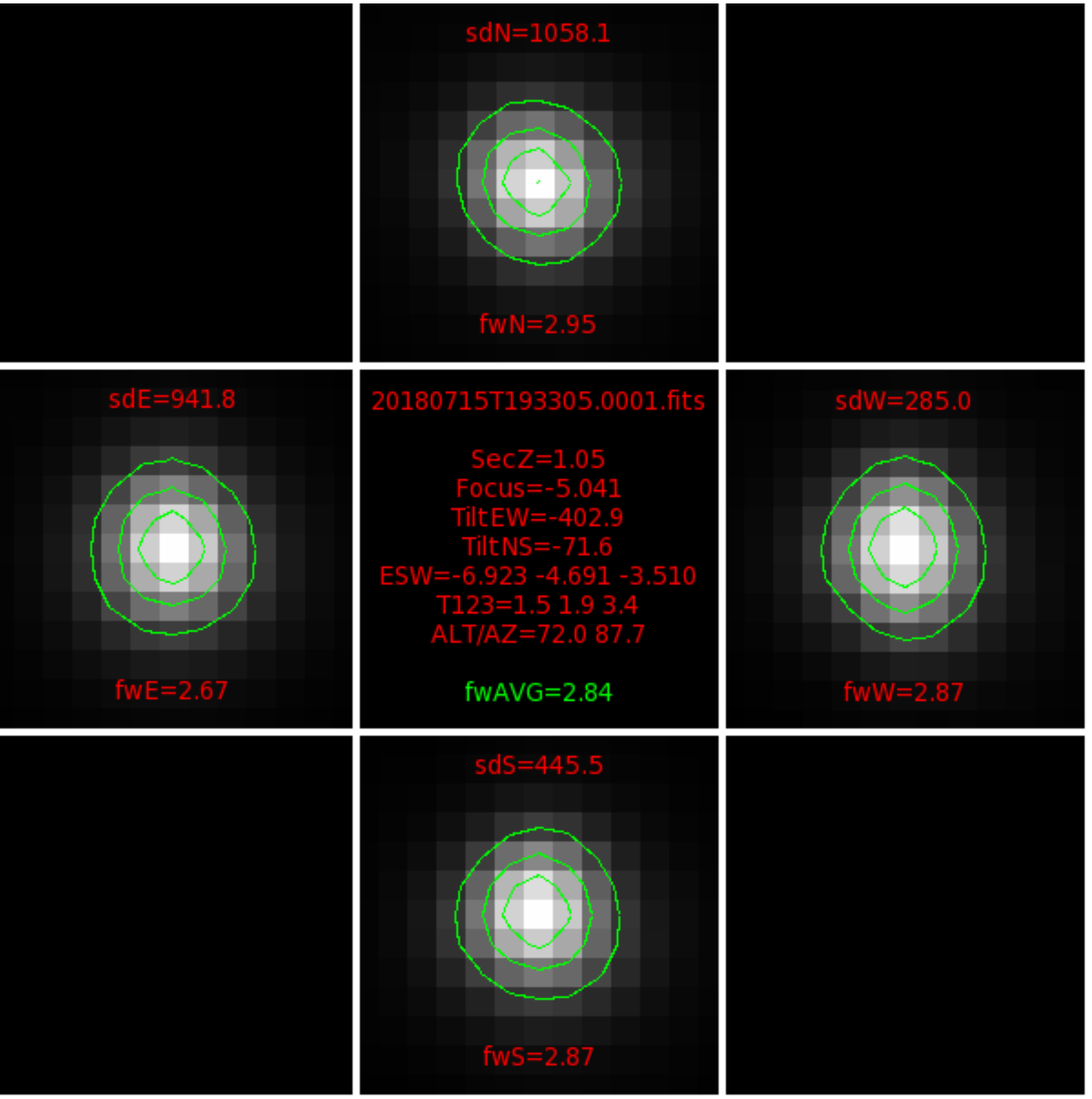
sdN=1058.1
fwN=2.95
sdE=941.8
fwE=2.67
20180715T193305.0001.fits
SecZ=1.05
Focus=-5.041
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.923 -4.691 -3.510
T123=1.5 1.9 3.4
ALT/AZ=72.0 87.7
fwAVG=2.84
sdW=285.0
fwW=2.87
sdS=445.5
fwS=2.87
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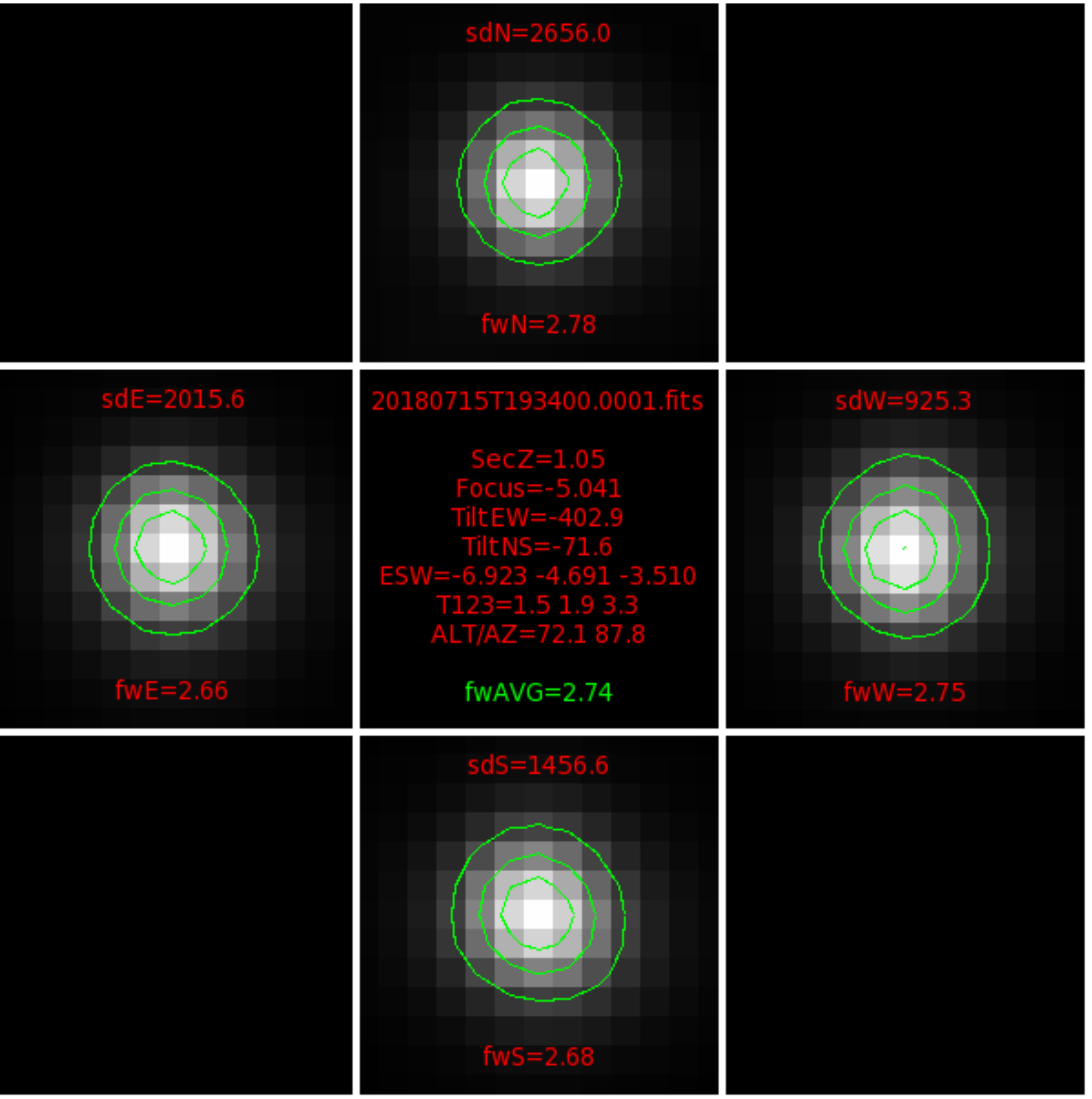
sdN=2656.0
fwN=2.78
sdE=2015.6
fwE=2.66
20180715T193400.0001.fits
SecZ=1.05
Focus=-5.041
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.923 -4.691 -3.510
T123=1.5 1.9 3.3
ALT/AZ=72.1 87.8
fwAVG=2.74
sdW=925.3
fwW=2.75
sdS=1456.6
fwS=2.68
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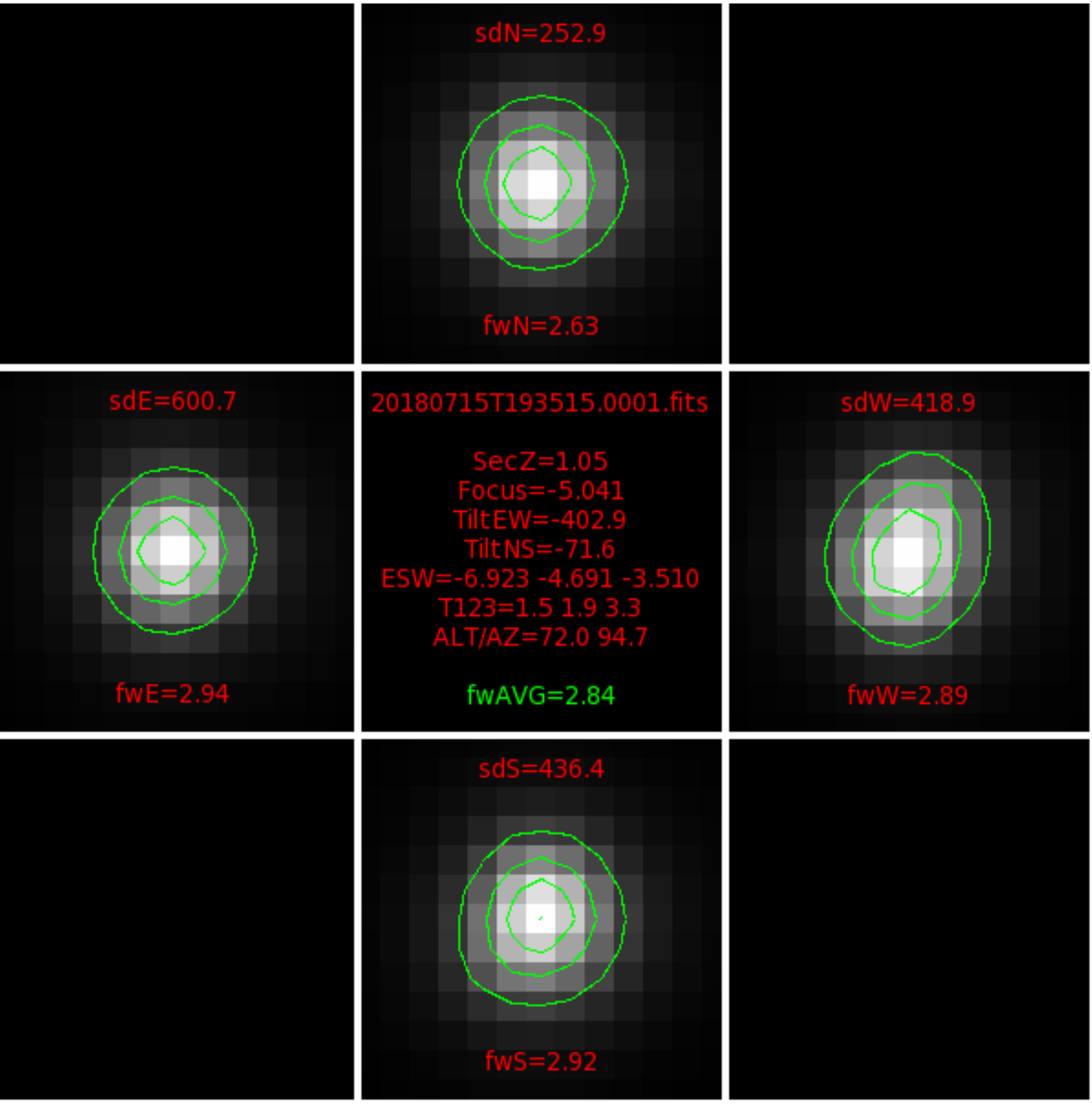
sdN=252.9
fwN=2.63
sdE=600.7
fwE=2.94
20180715T193515.0001.fits
SecZ=1.05
Focus=-5.041
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.923 -4.691 -3.510
T123=1.5 1.9 3.3
ALT/AZ=72.0 94.7
fwAVG=2.84
sdW=418.9
fwW=2.89
sdS=436.4
fwS=2.92
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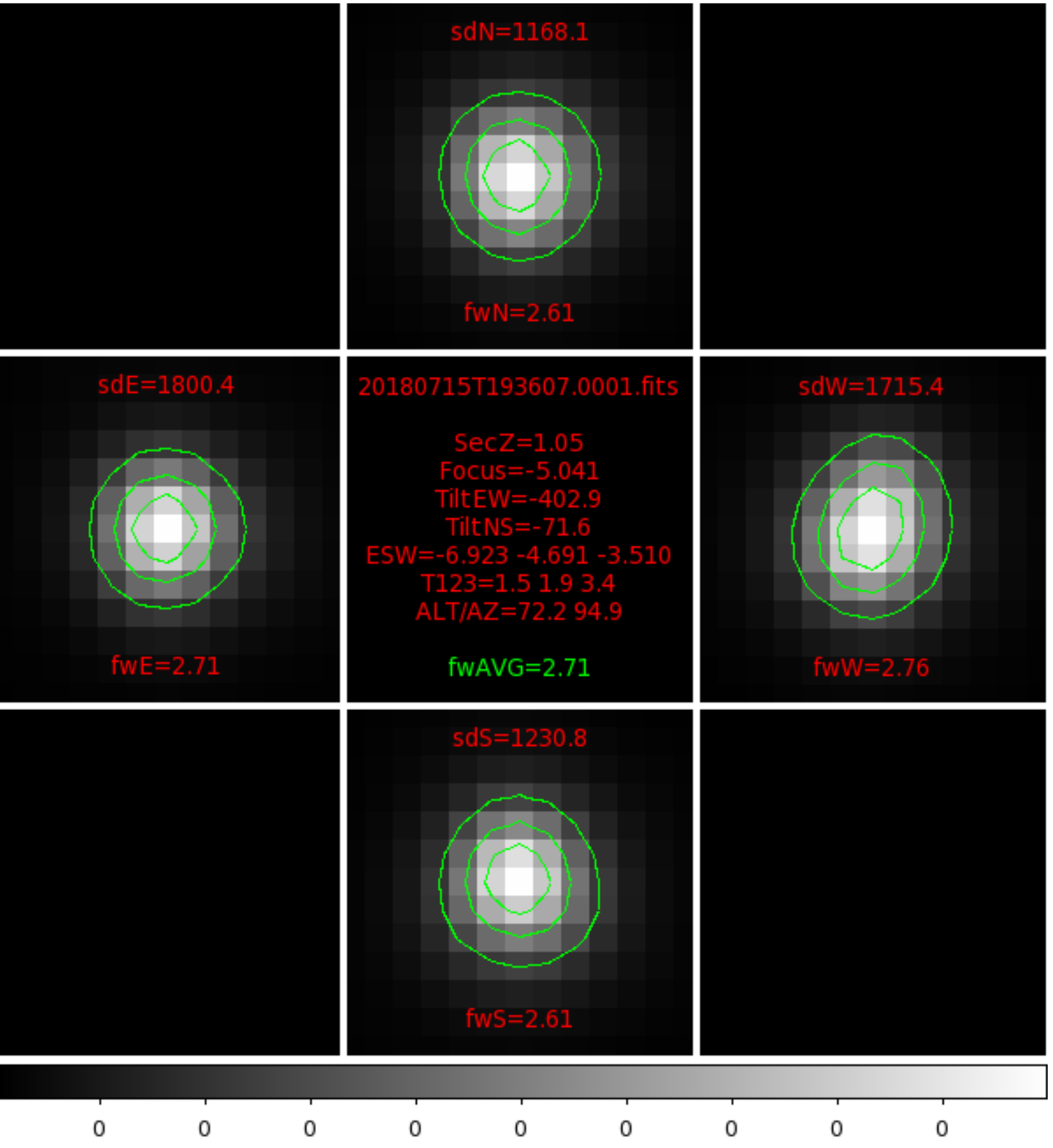
sdN=1168.1
fwN=2.61
sdE=1800.4
fwE=2.71
20180715T193607.0001.fits
SecZ=1.05
Focus=-5.041
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.923 -4.691 -3.510
T123=1.5 1.9 3.4
ALT/AZ=72.2 94.9
fwAVG=2.71
sdW=1715.4
fwW=2.76
sdS=1230.8
fwS=2.61
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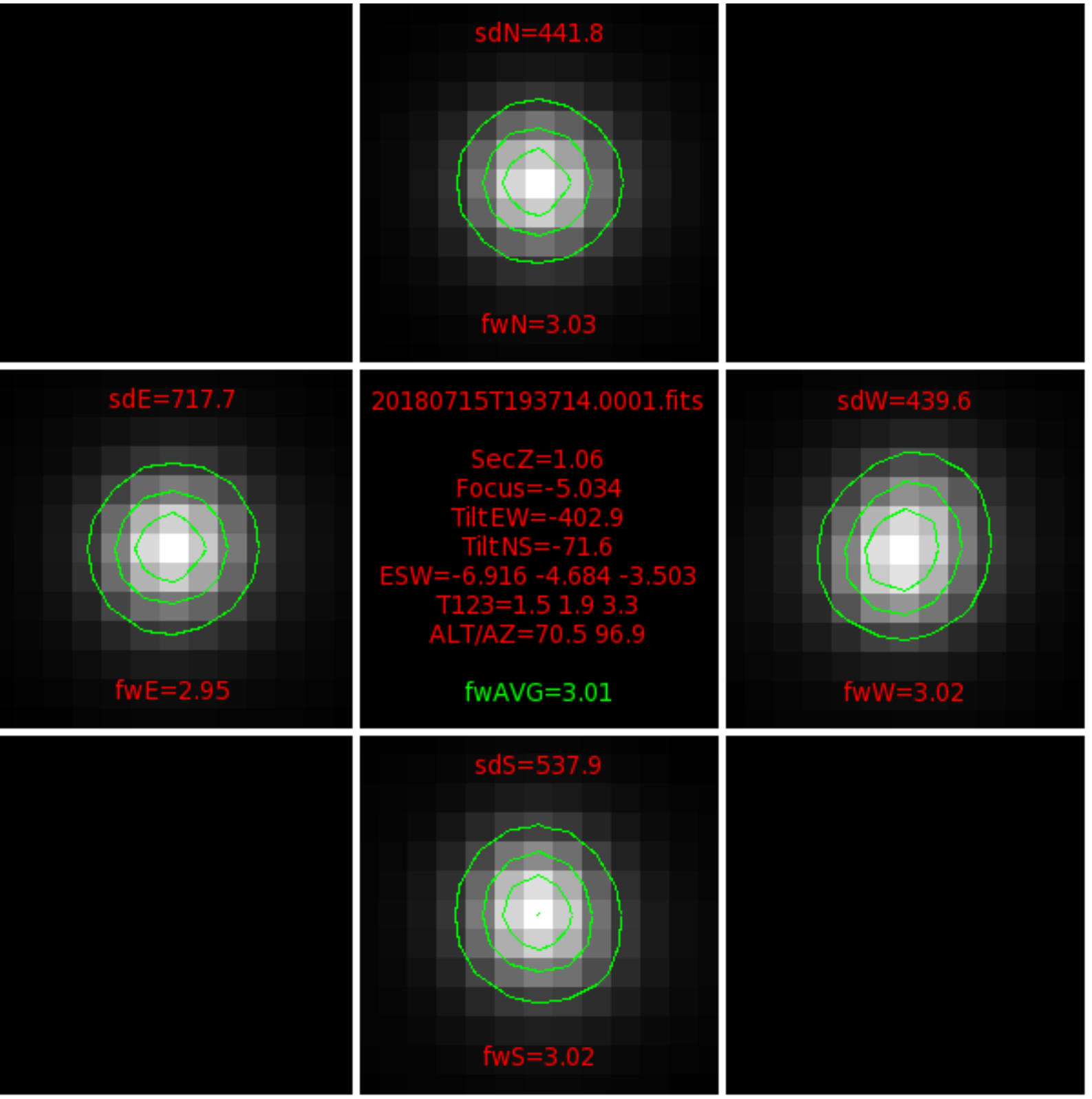
sdN=441.8
fwN=3.03
sdE=717.7
fwE=2.95
20180715T193714.0001.fits
SecZ=1.06
Focus=-5.034
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.916 -4.684 -3.503
T123=1.5 1.9 3.3
ALT/AZ=70.5 96.9
fwAVG=3.01
sdW=439.6
fwW=3.02
sdS=537.9
fwS=3.02
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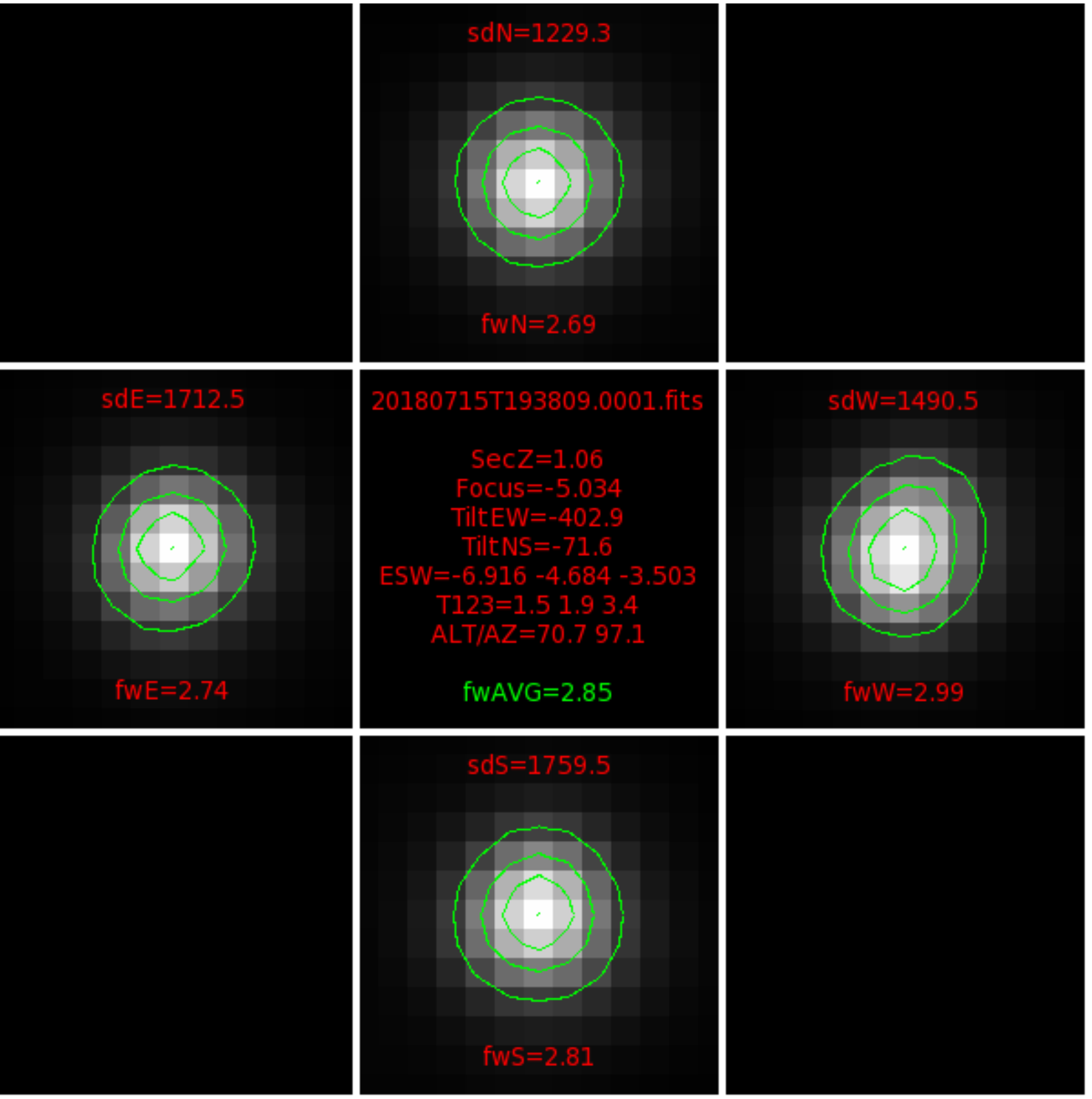
sdN=1229.3
fwN=2.69
sdE=1712.5
fwE=2.74
20180715T193809.0001.fits
SecZ=1.06
Focus=-5.034
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.916 -4.684 -3.503
T123=1.5 1.9 3.4
ALT/AZ=70.7 97.1
fwAVG=2.85
sdW=1490.5
fwW=2.99
sdS=1759.5
fwS=2.81
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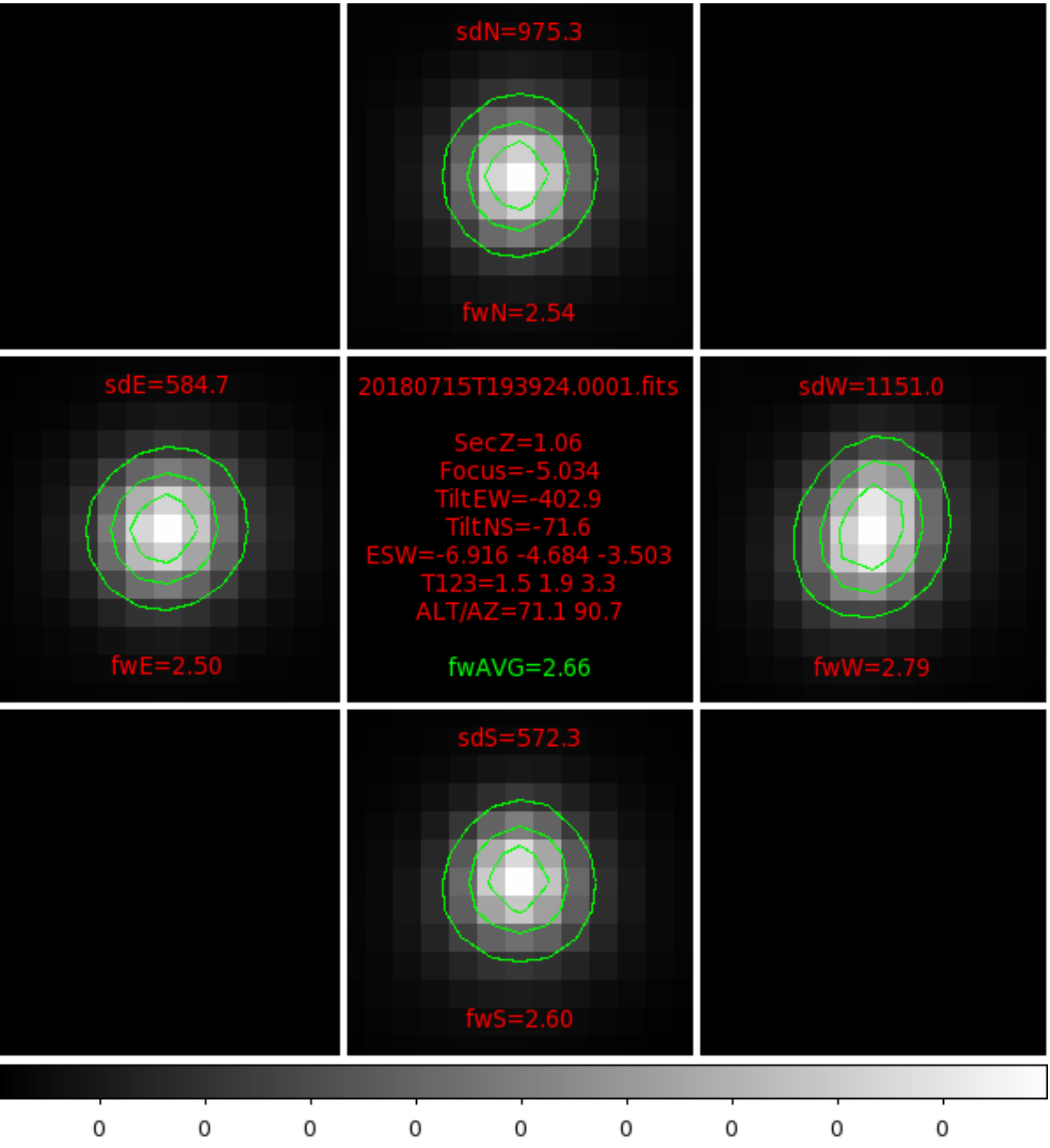
sdN=975.3
fwN=2.54
sdE=584.7
fwE=2.50
20180715T193924.0001.fits
SecZ=1.06
Focus=-5.034
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.916 -4.684 -3.503
T123=1.5 1.9 3.3
ALT/AZ=71.1 90.7
fwAVG=2.66
sdW=1151.0
fwW=2.79
sdS=572.3
fwS=2.60
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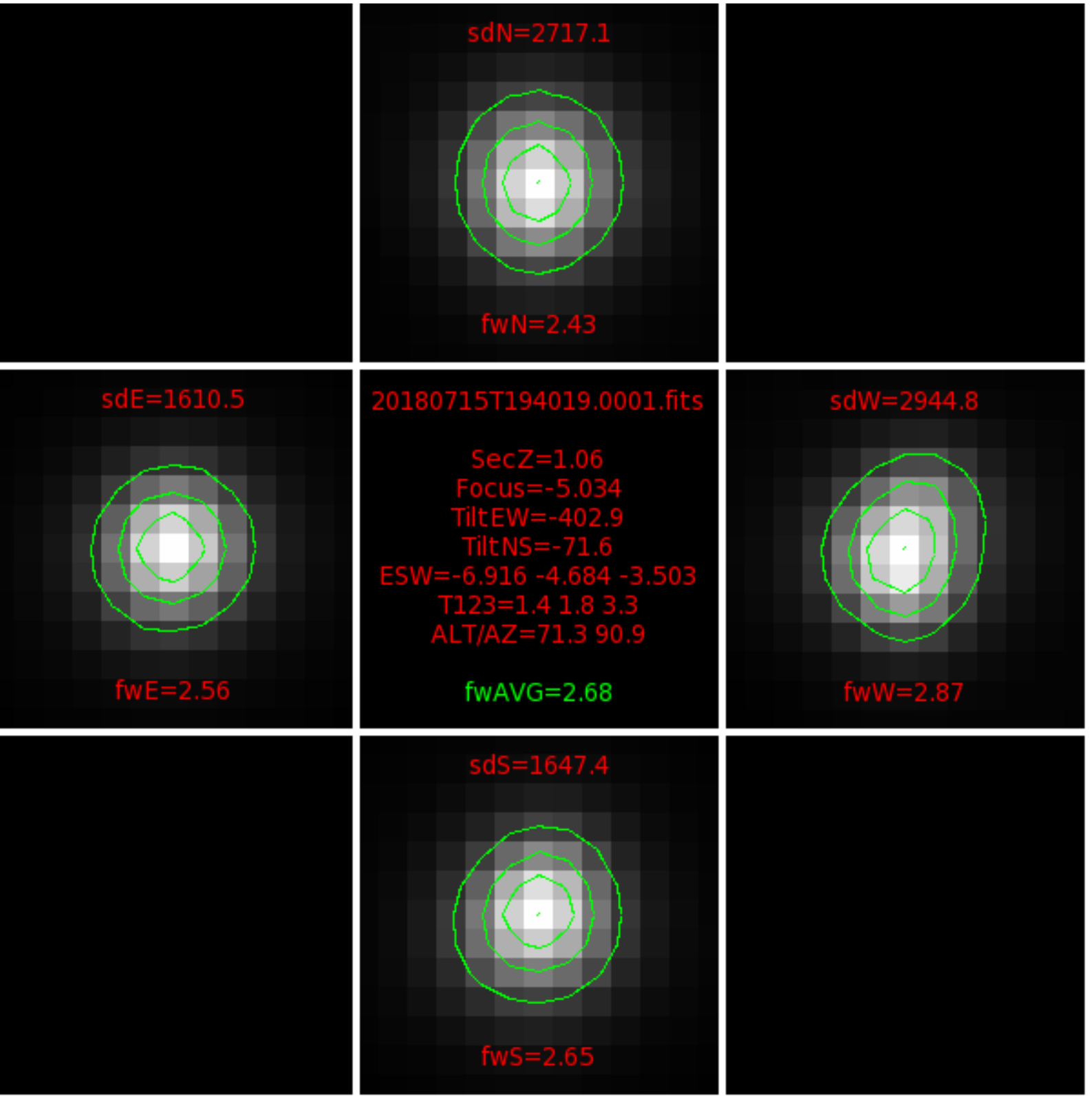
sdN=2717.1
fwN=2.43
sdE=1610.5
fwE=2.56
20180715T194019.0001.fits
SecZ=1.06
Focus=-5.034
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.916 -4.684 -3.503
T123=1.4 1.8 3.3
ALT/AZ=71.3 90.9
fwAVG=2.68
sdW=2944.8
fwW=2.87
sdS=1647.4
fwS=2.65
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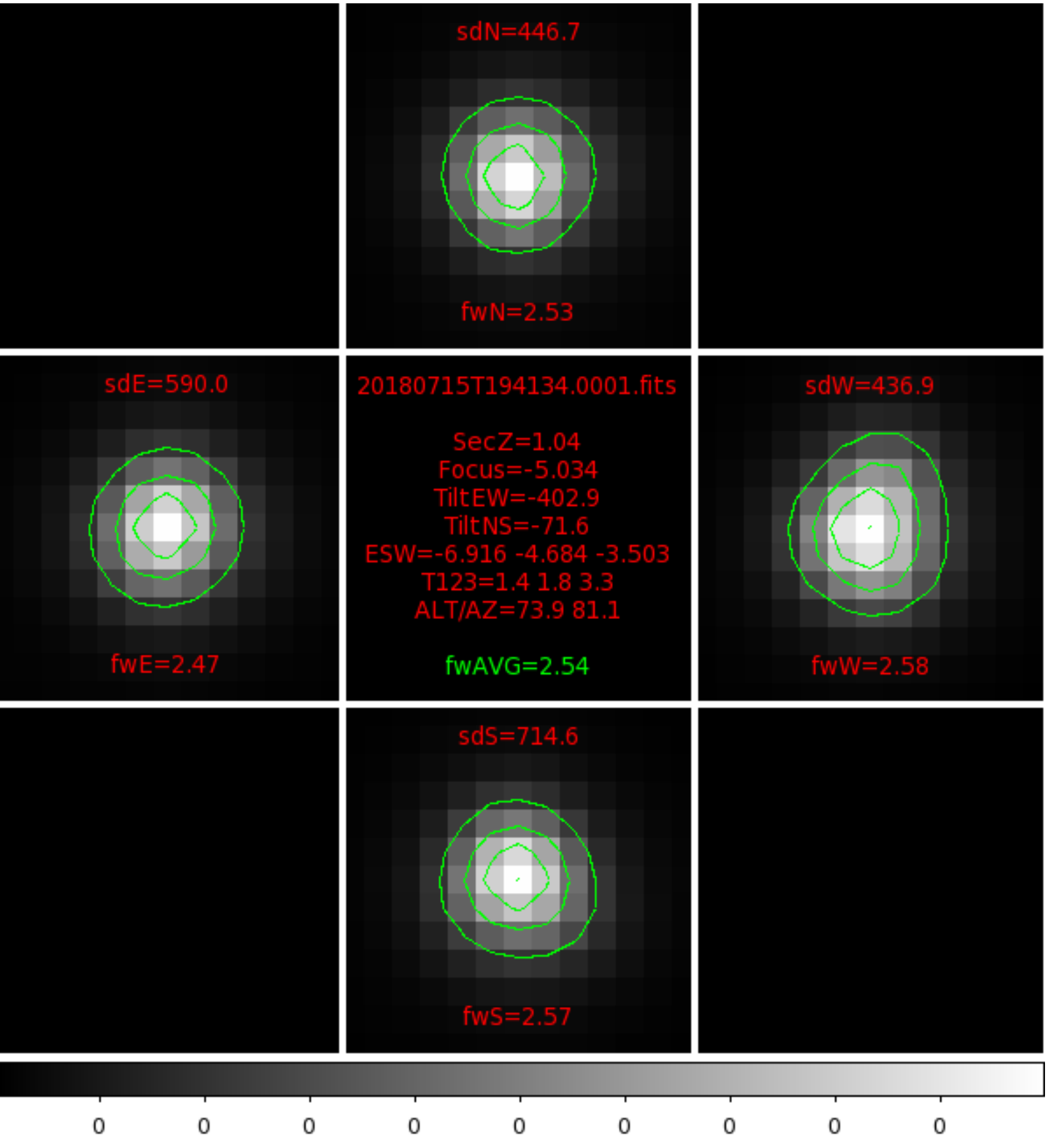
sdN=446.7
fwN=2.53
sdE=590.0
fwE=2.47
20180715T194134.0001.fits
SecZ=1.04
Focus=-5.034
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.916 -4.684 -3.503
T123=1.4 1.8 3.3
ALT/AZ=73.9 81.1
fwAVG=2.54
sdW=436.9
fwW=2.58
sdS=714.6
fwS=2.57
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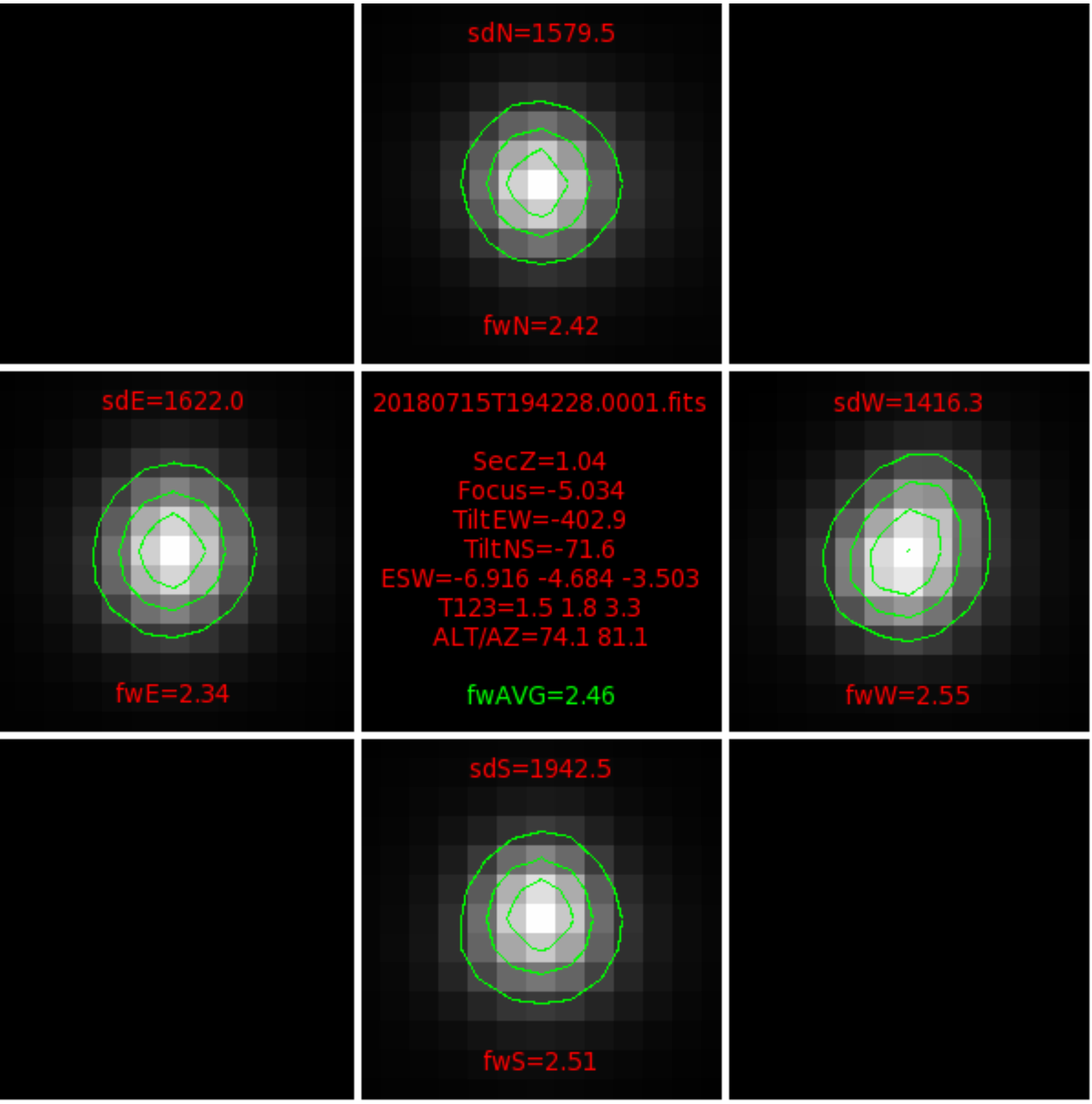
sdN=1579.5
fwN=2.42
sdE=1622.0
fwE=2.34
20180715T194228.0001.fits
SecZ=1.04
Focus=-5.034
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.916 -4.684 -3.503
T123=1.5 1.8 3.3
ALT/AZ=74.1 81.1
fwAVG=2.46
sdW=1416.3
fwW=2.55
sdS=1942.5
fwS=2.51
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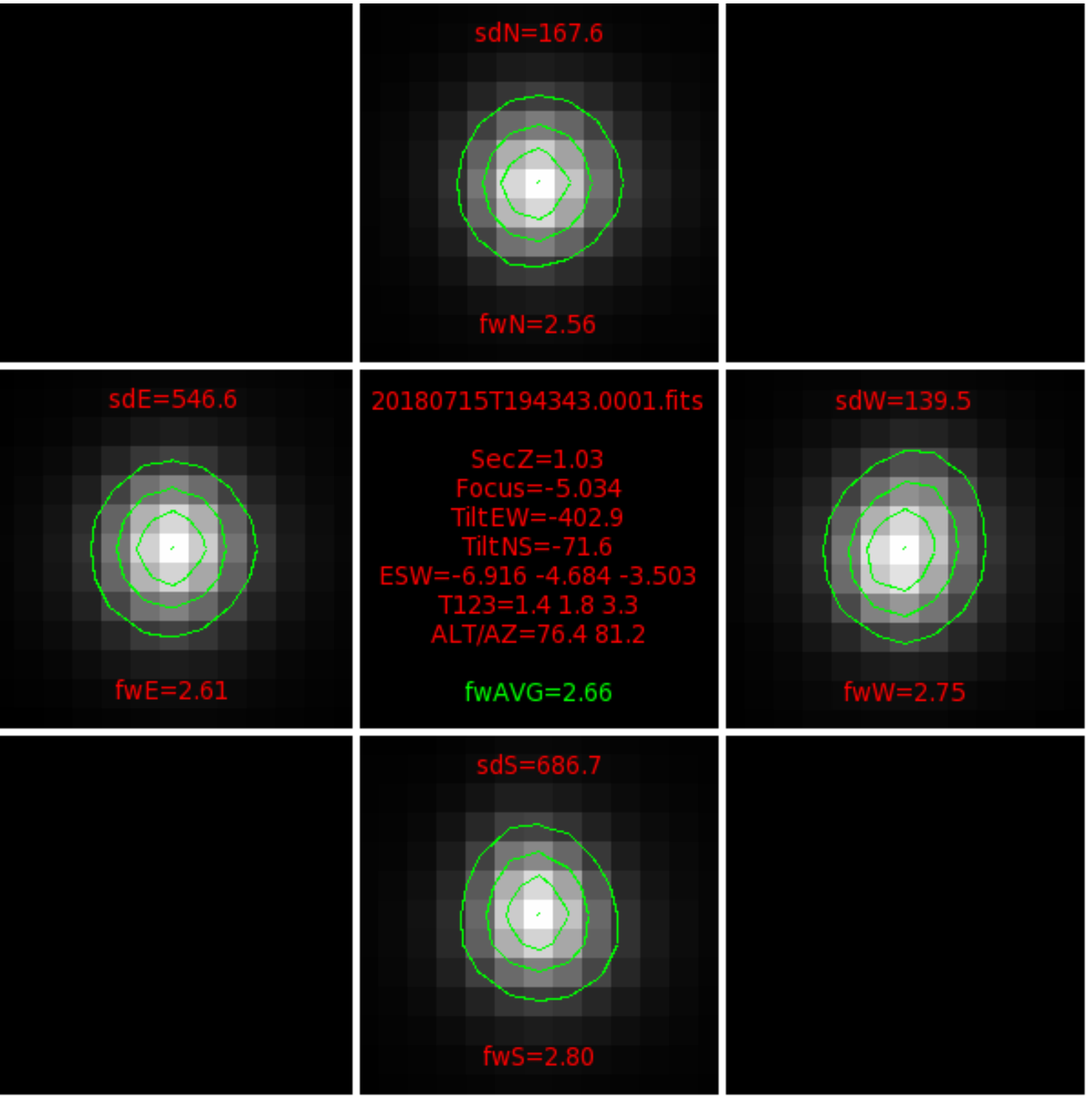
sdN=167.6
fwN=2.56
sdE=546.6
fwE=2.61
20180715T194343.0001.fits
SecZ=1.03
Focus=-5.034
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.916 -4.684 -3.503
T123=1.4 1.8 3.3
ALT/AZ=76.4 81.2
fwAVG=2.66
sdW=139.5
fwW=2.75
sdS=686.7
fwS=2.80
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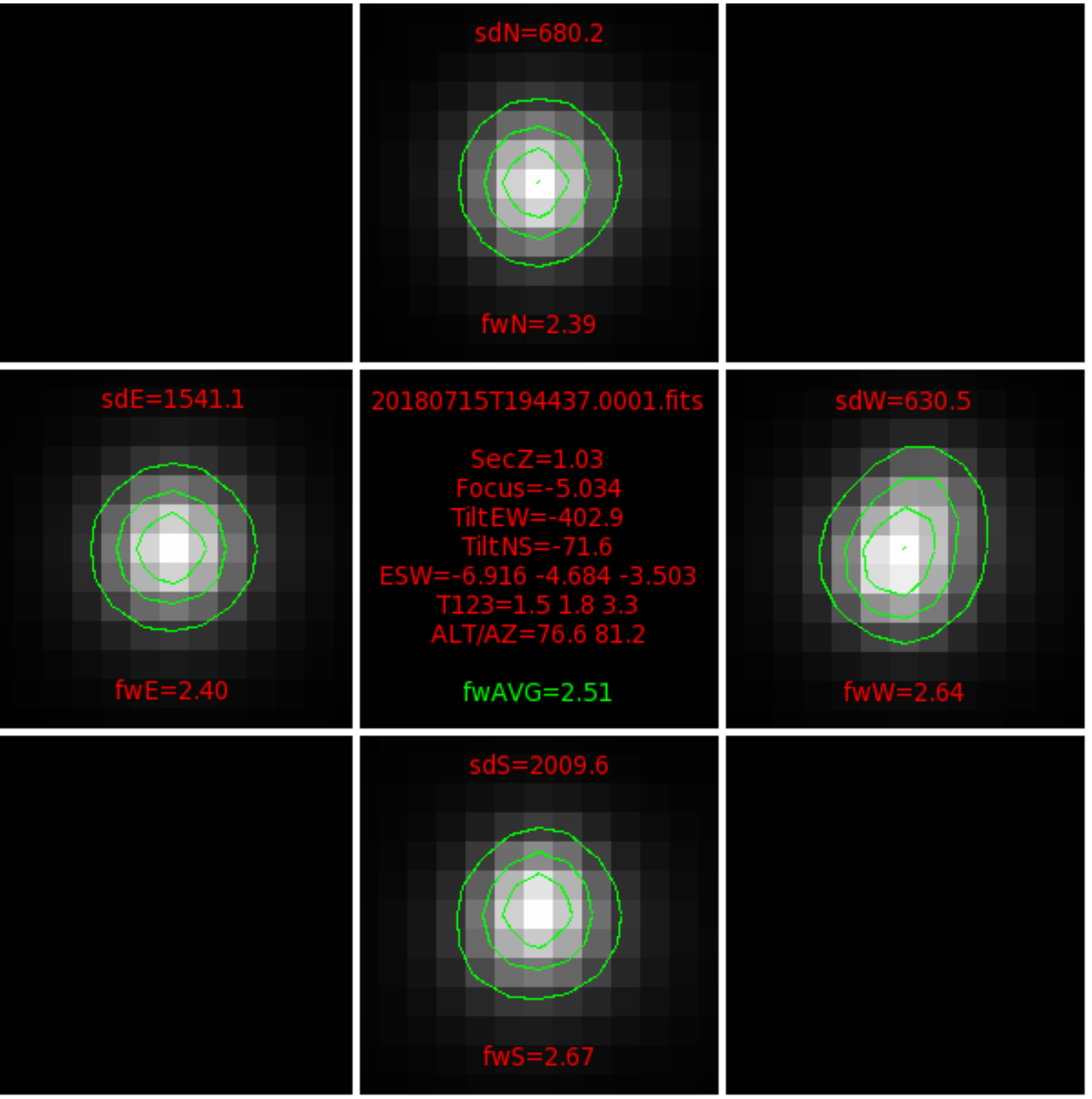
sdN=680.2
fwN=2.39
sdE=1541.1
fwE=2.40
20180715T194437.0001.fits
SecZ=1.03
Focus=-5.034
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.916 -4.684 -3.503
T123=1.5 1.8 3.3
ALT/AZ=76.6 81.2
fwAVG=2.51
sdW=630.5
fwW=2.64
sdS=2009.6
fwS=2.67
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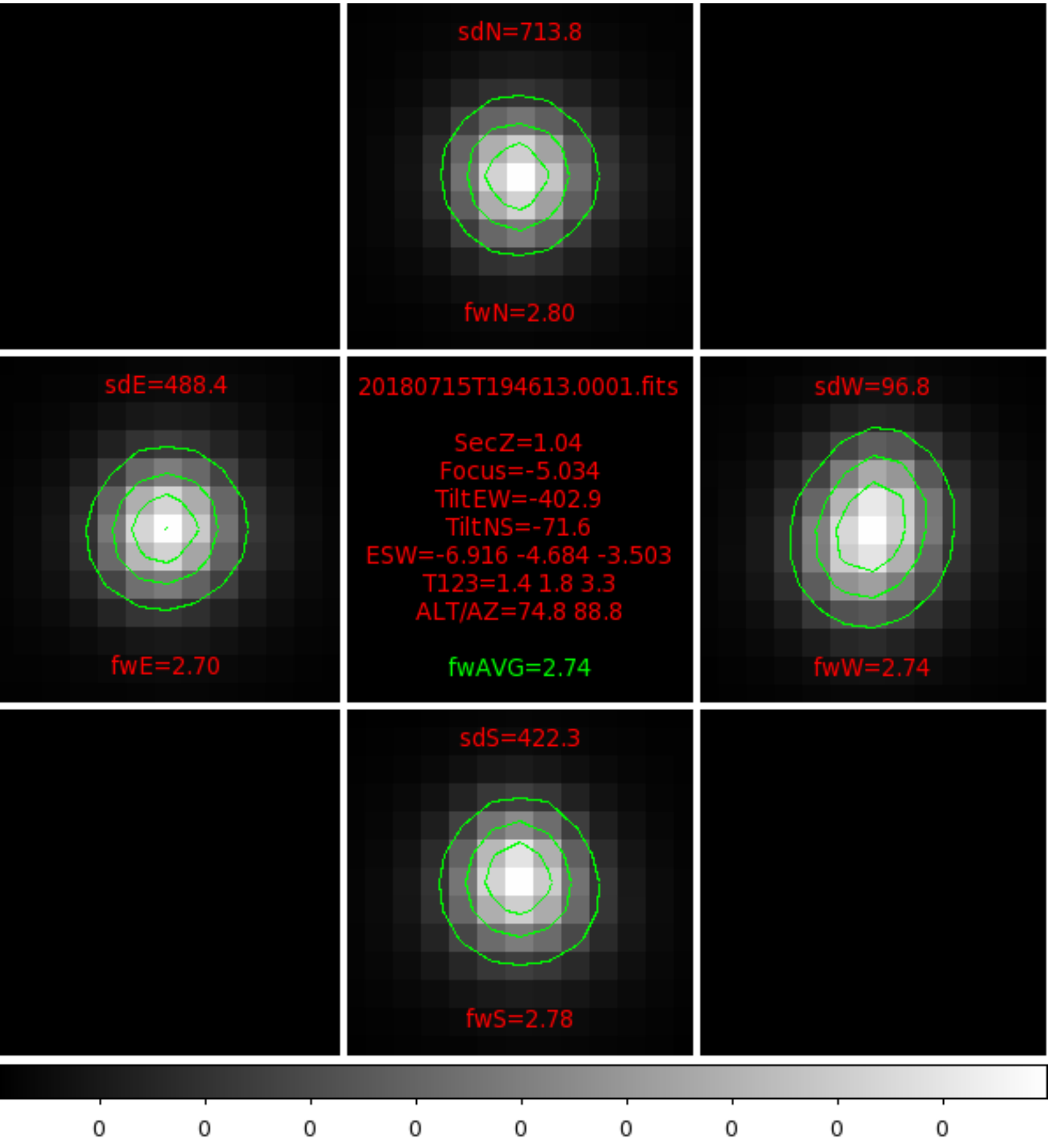
sdN=713.8
fwN=2.80
sdE=488.4
fwE=2.70
20180715T194613.0001.fits
SecZ=1.04
Focus=-5.034
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.916 -4.684 -3.503
T123=1.4 1.8 3.3
ALT/AZ=74.8 88.8
fwAVG=2.74
sdW=96.8
fwW=2.74
sdS=422.3
fwS=2.78
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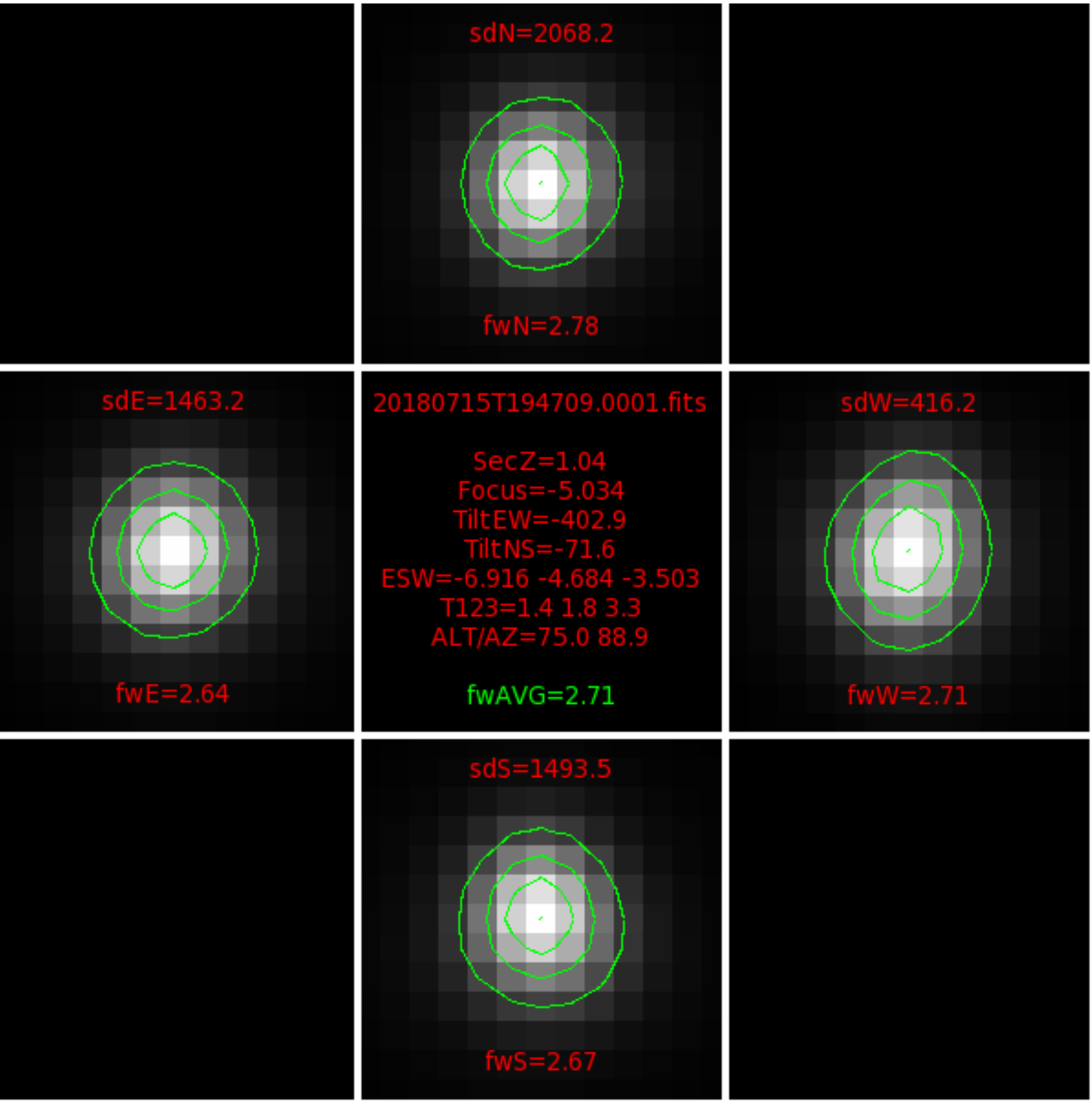
sdN=2068.2
fwN=2.78
sdE=1463.2
fwE=2.64
20180715T194709.0001.fits
SecZ=1.04
Focus=-5.034
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.916 -4.684 -3.503
T123=1.4 1.8 3.3
ALT/AZ=75.0 88.9
fwAVG=2.71
sdW=416.2
fwW=2.71
sdS=1493.5
fwS=2.67
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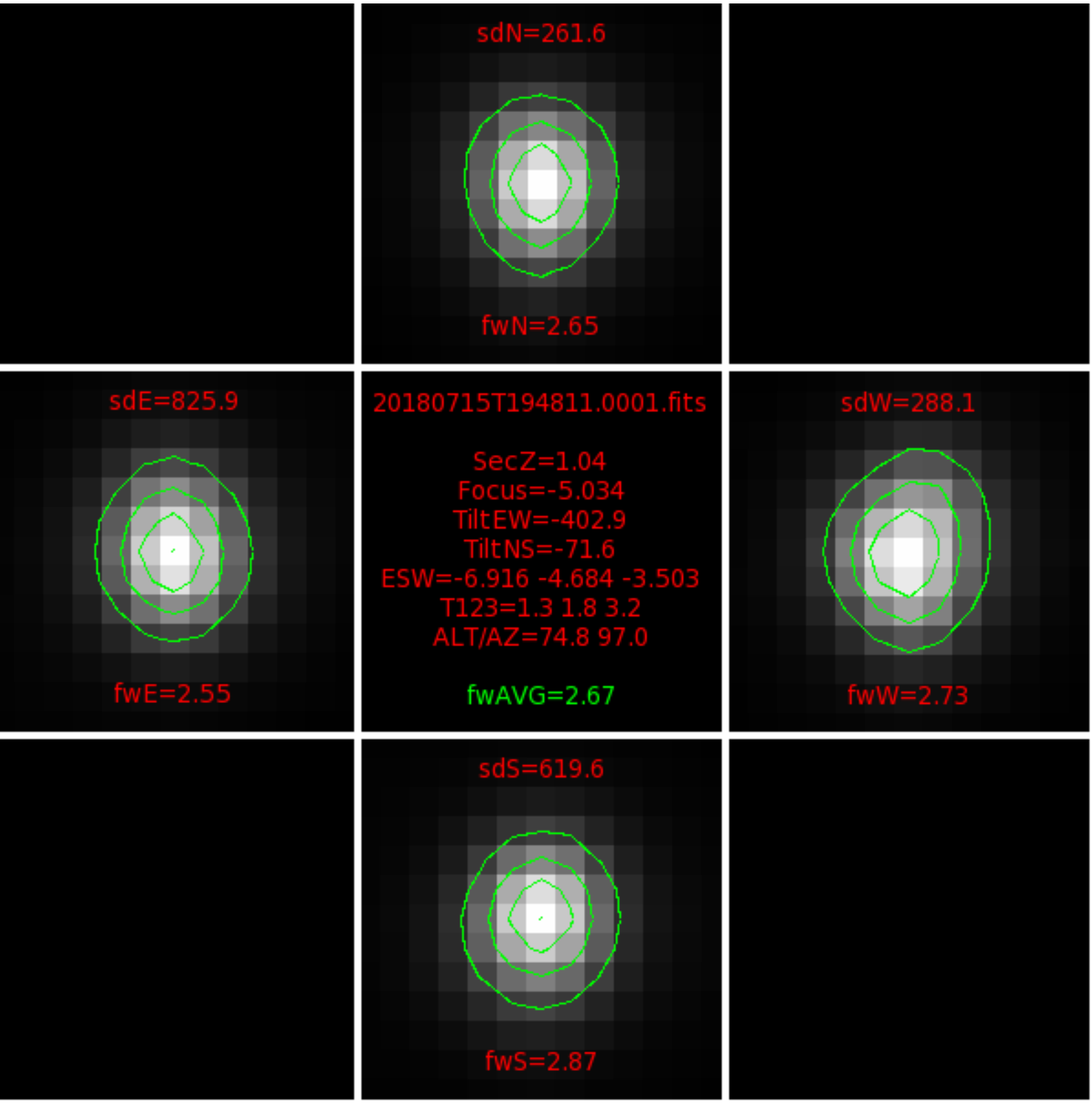
sdN=261.6
fwN=2.65
sdE=825.9
fwE=2.55
20180715T194811.0001.fits
SecZ=1.04
Focus=-5.034
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.916 -4.684 -3.503
T123=1.3 1.8 3.2
ALT/AZ=74.8 97.0
fwAVG=2.67
sdW=288.1
fwW=2.73
sdS=619.6
fwS=2.87
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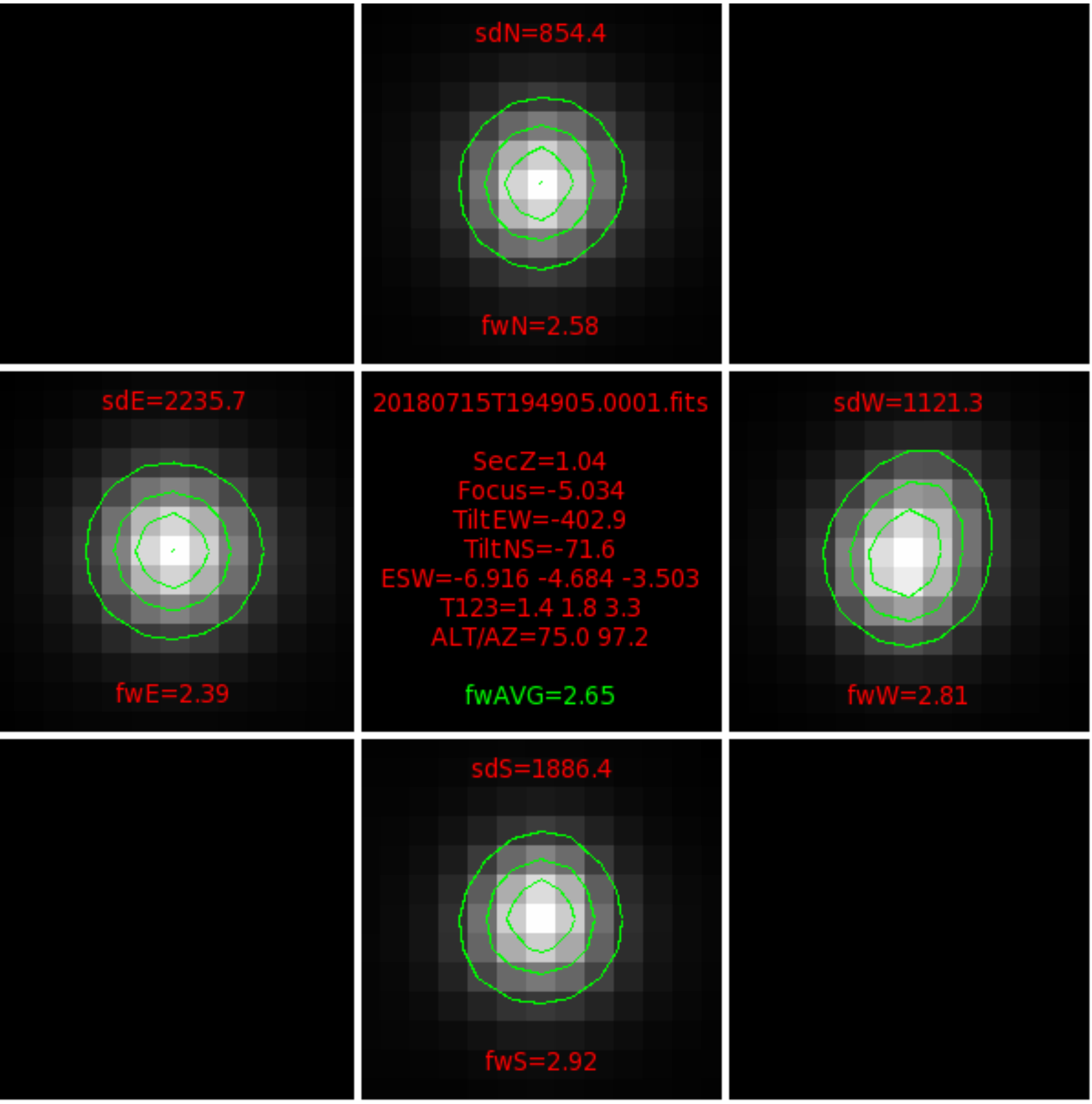
sdN=854.4
fwN=2.58
sdE=2235.7
fwE=2.39
20180715T194905.0001.fits
SecZ=1.04
Focus=-5.034
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.916 -4.684 -3.503
T123=1.4 1.8 3.3
ALT/AZ=75.0 97.2
fwAVG=2.65
sdW=1121.3
fwW=2.81
sdS=1886.4
fwS=2.92
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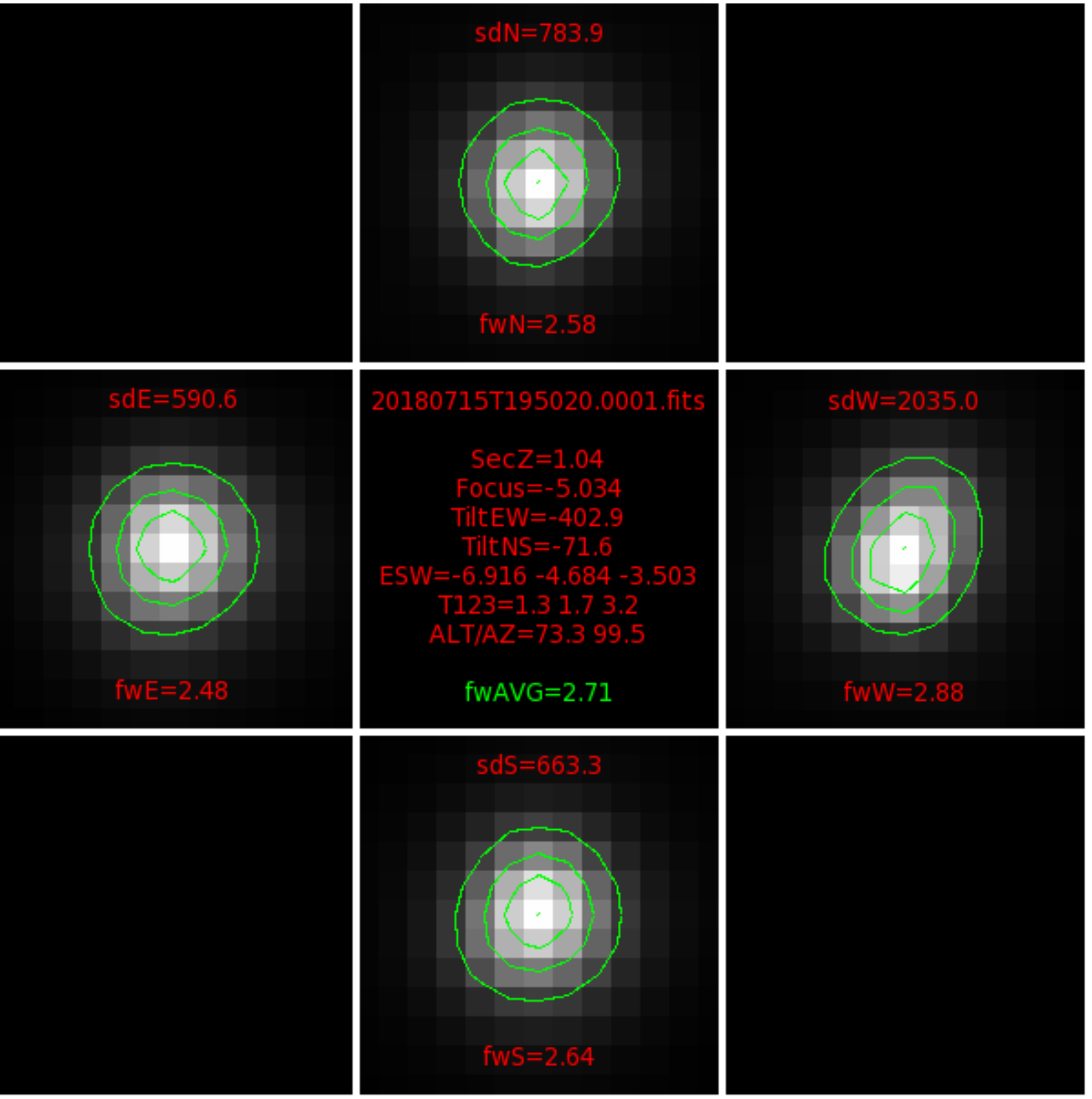
sdN=783.9
fwN=2.58
sdE=590.6
fwE=2.48
20180715T195020.0001.fits
SecZ=1.04
Focus=-5.034
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.916 -4.684 -3.503
T123=1.3 1.7 3.2
ALT/AZ=73.3 99.5
fwAVG=2.71
sdW=2035.0
fwW=2.88
sdS=663.3
fwS=2.64
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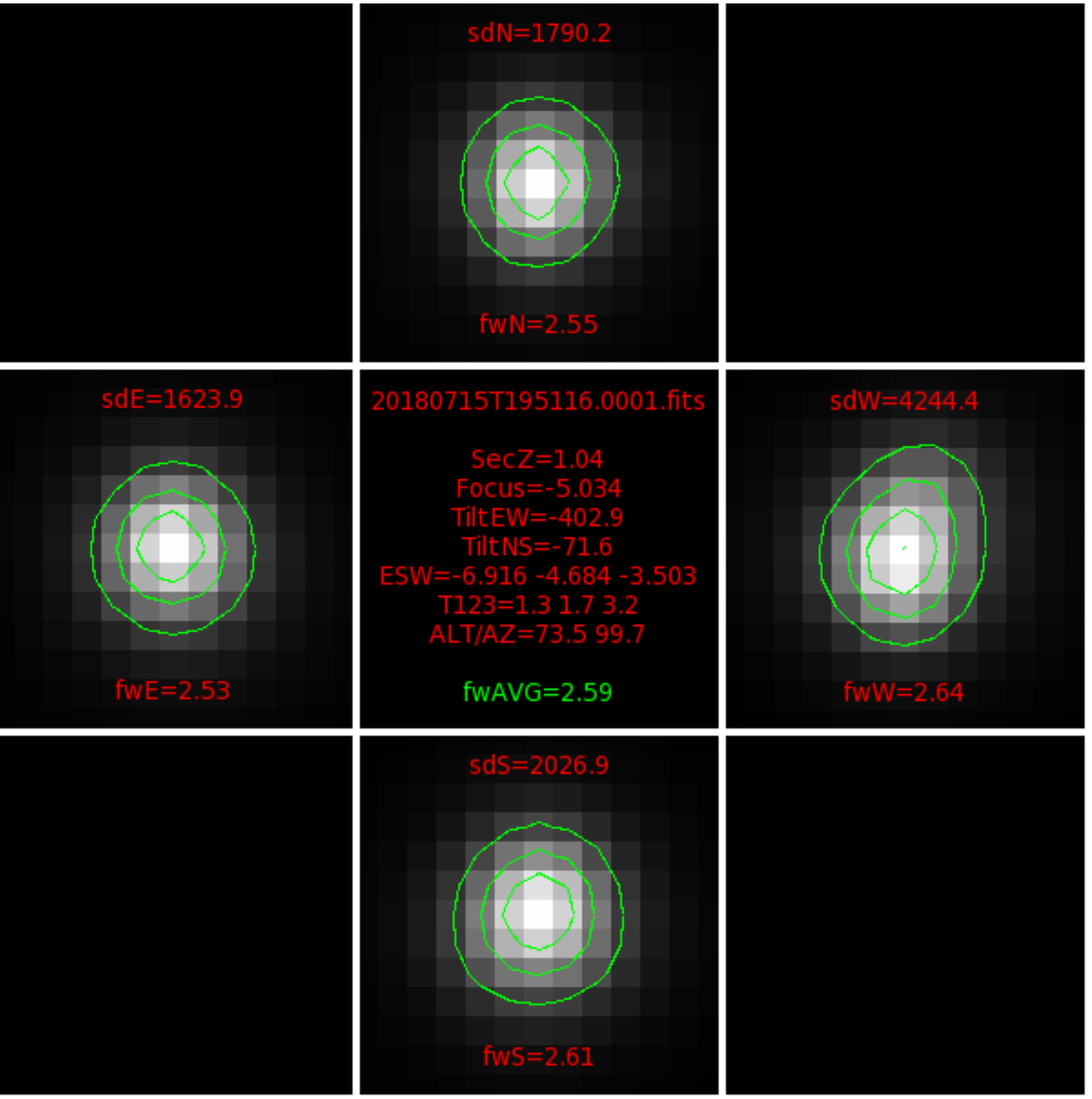
sdN=1790.2
fwN=2.55
sdE=1623.9
fwE=2.53
20180715T195116.0001.fits
SecZ=1.04
Focus=-5.034
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.916 -4.684 -3.503
T123=1.3 1.7 3.2
ALT/AZ=73.5 99.7
fwAVG=2.59
sdW=4244.4
fwW=2.64
sdS=2026.9
fwS=2.61
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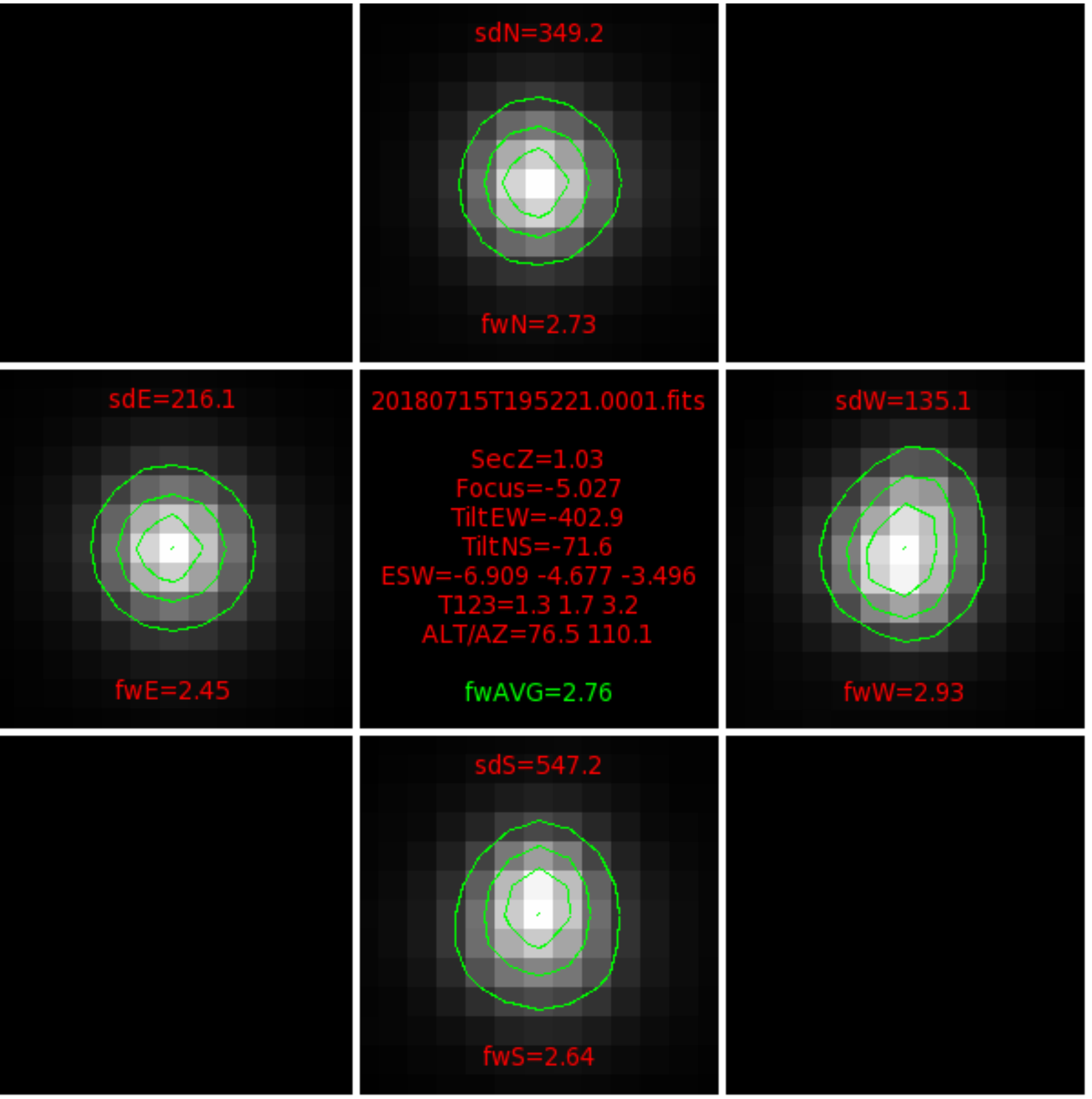
sdN=349.2
fwN=2.73
sdE=216.1
fwE=2.45
20180715T195221.0001.fits
SecZ=1.03
Focus=-5.027
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.909 -4.677 -3.496
T123=1.3 1.7 3.2
ALT/AZ=76.5 110.1
fwAVG=2.76
sdW=135.1
fwW=2.93
sdS=547.2
fwS=2.64
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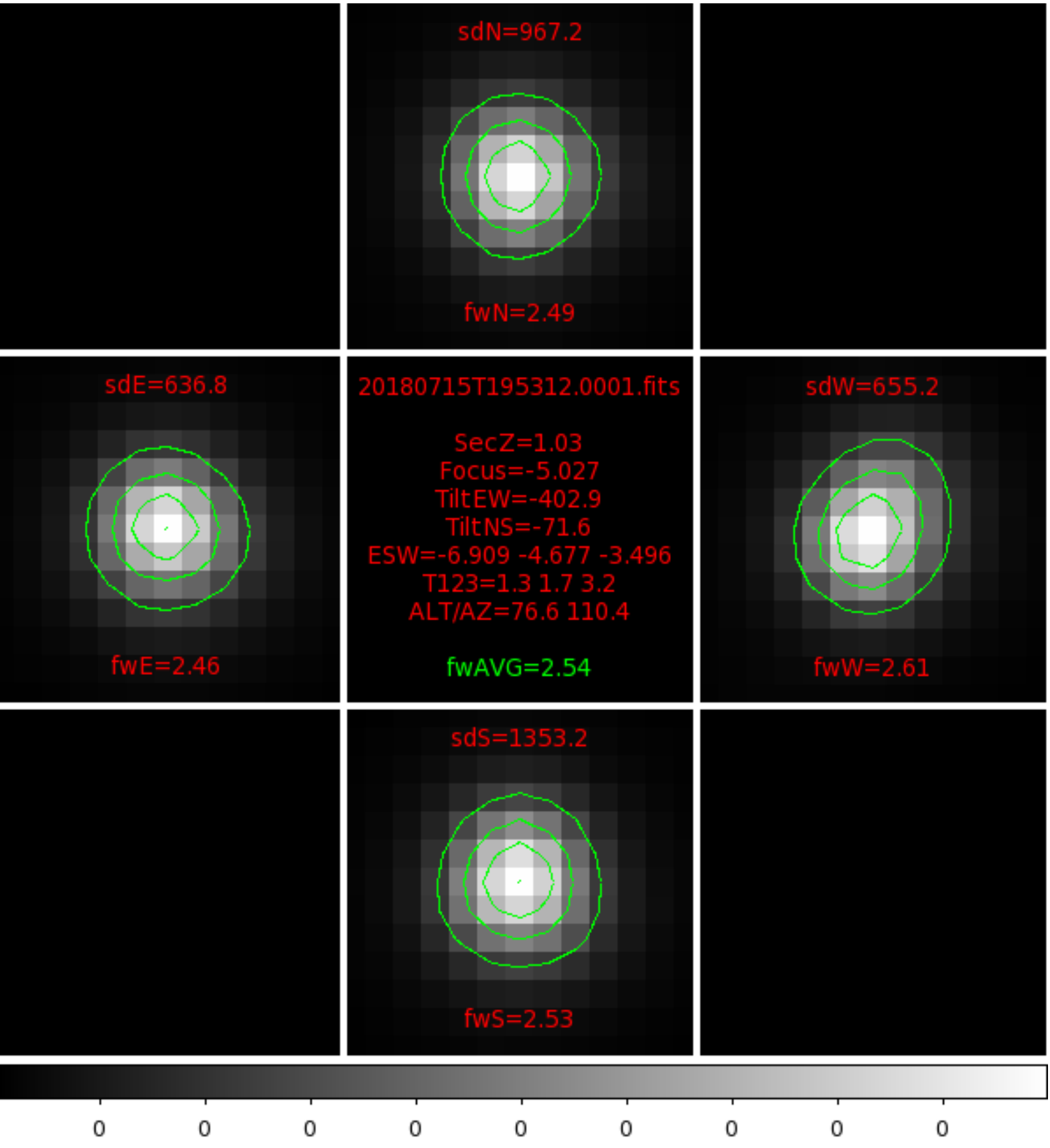
sdN=967.2
fwN=2.49
sdE=636.8
fwE=2.46
20180715T195312.0001.fits
SecZ=1.03
Focus=-5.027
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.909 -4.677 -3.496
T123=1.3 1.7 3.2
ALT/AZ=76.6 110.4
fwAVG=2.54
sdW=655.2
fwW=2.61
sdS=1353.2
fwS=2.53
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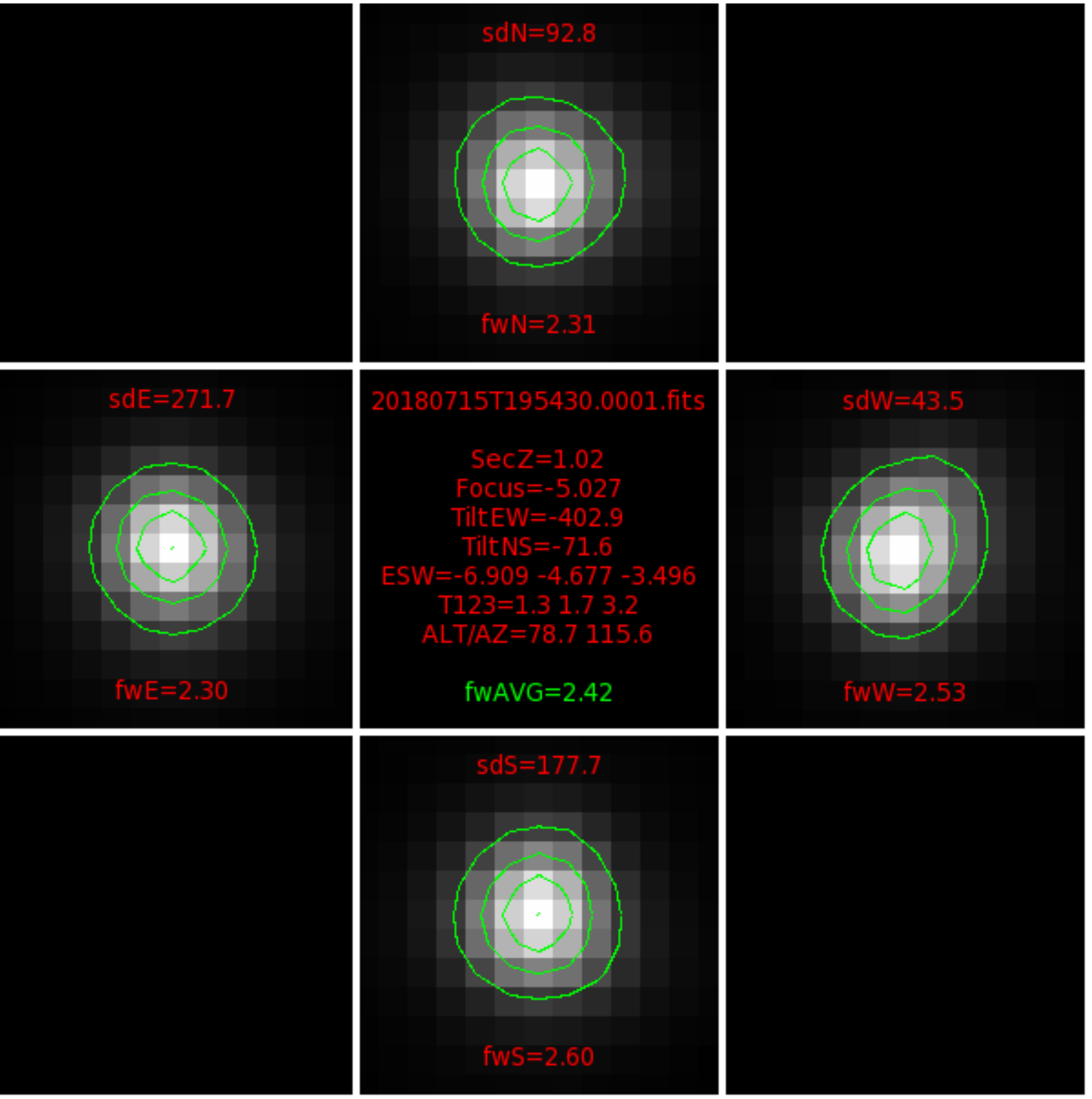
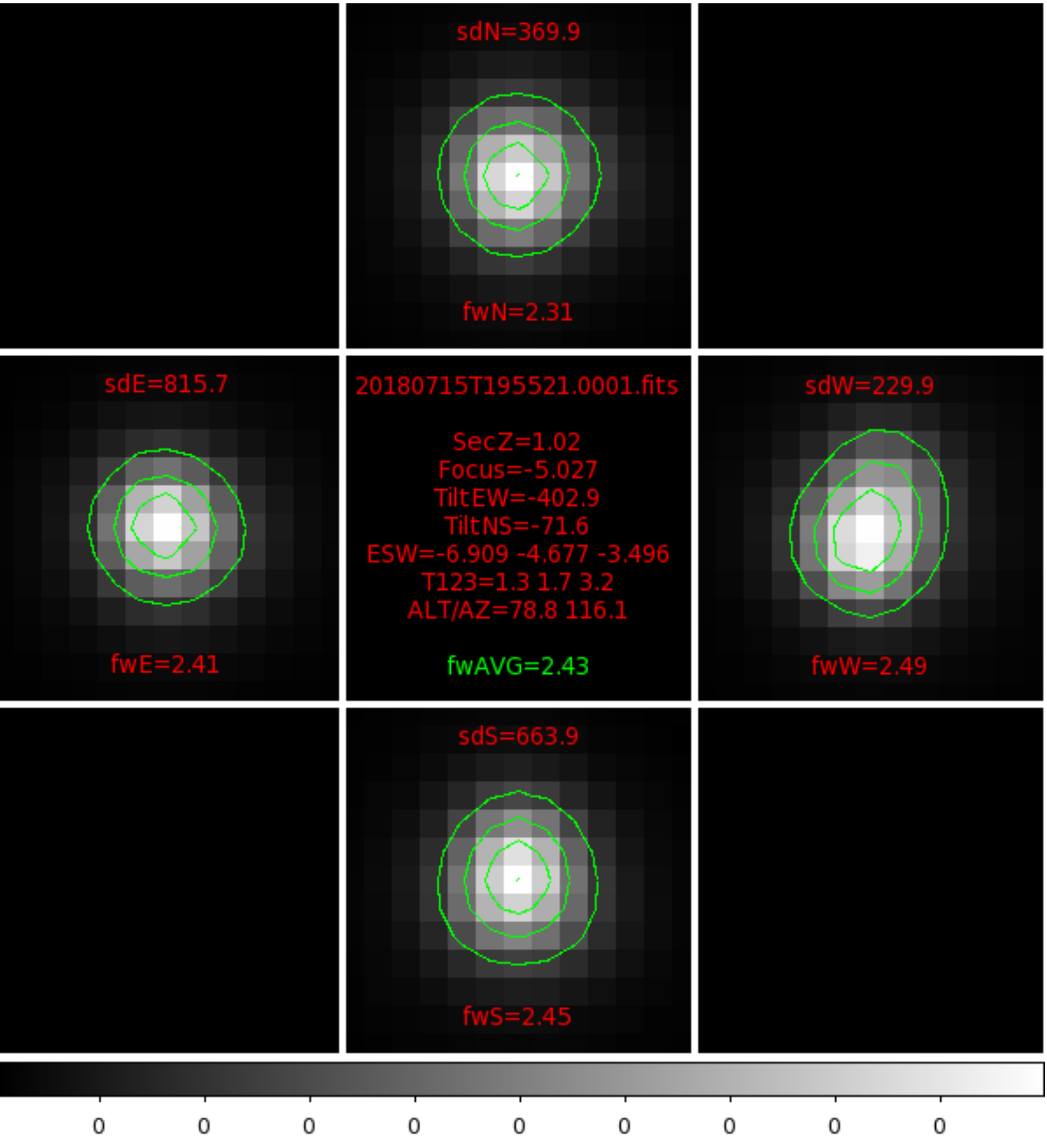

sdN=92.8
fwN=2.31
sdE=271.7
fwE=2.30
20180715T195430.0001.fits
SecZ=1.02
Focus=-5.027
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.909 -4.677 -3.496
T123=1.3 1.7 3.2
ALT/AZ=78.7 115.6
fwAVG=2.42
sdW=43.5
fwW=2.53
sdS=177.7
fwS=2.60
0 0 0 0 0 0 0 0 0


sdN=369.9
fwN=2.31
sdE=815.7
fwE=2.41
20180715T195521.0001.fits
SecZ=1.02
Focus=-5.027
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.909 -4.677 -3.496
T123=1.3 1.7 3.2
ALT/AZ=78.8 116.1
fwAVG=2.43
sdW=229.9
fwW=2.49
sdS=663.9
fwS=2.45
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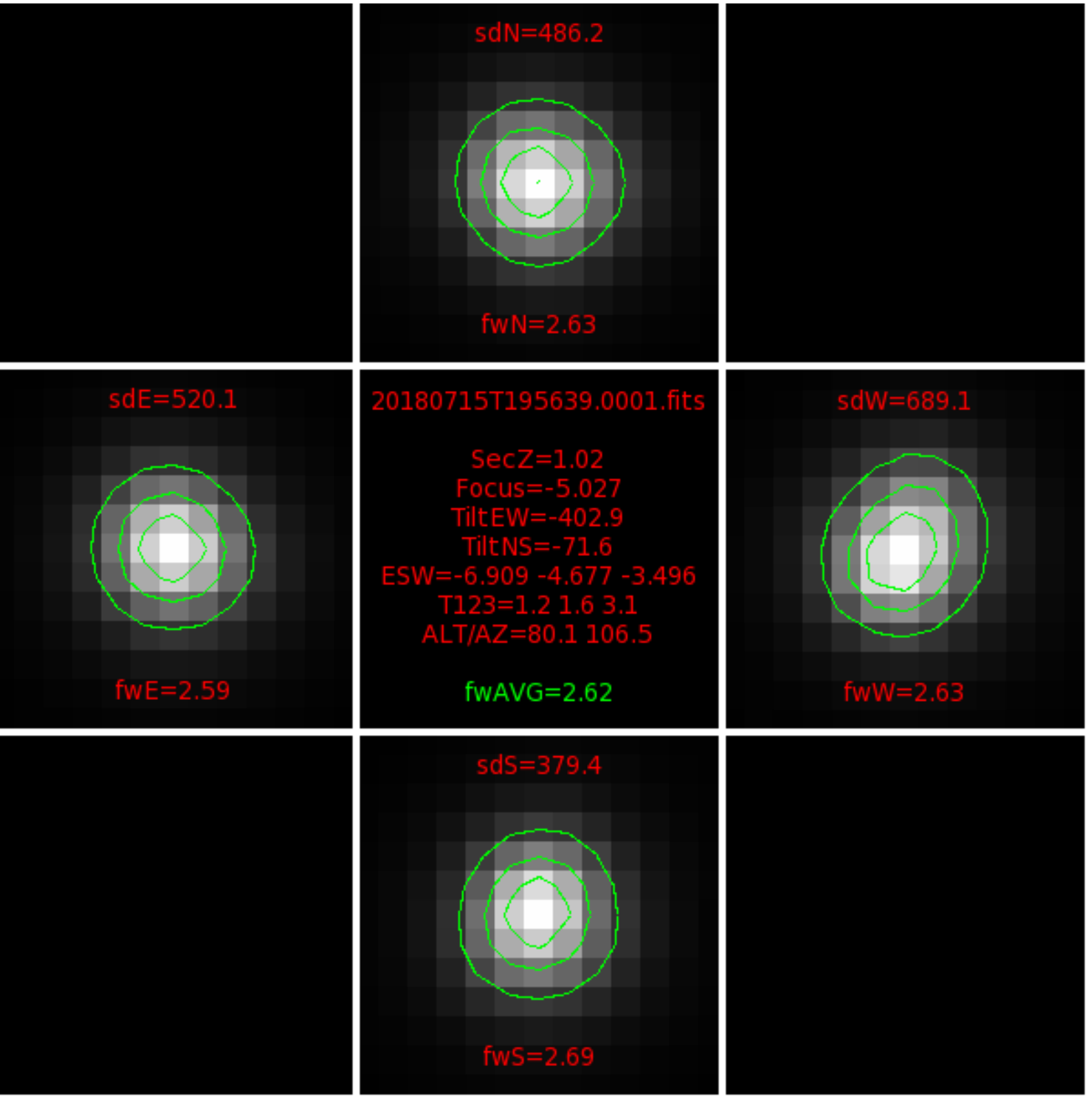
sdN=486.2
fwN=2.63
sdE=520.1
fwE=2.59
20180715T195639.0001.fits
SecZ=1.02
Focus=-5.027
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.909 -4.677 -3.496
T123=1.2 1.6 3.1
ALT/AZ=80.1 106.5
fwAVG=2.62
sdW=689.1
fwW=2.63
sdS=379.4
fwS=2.69
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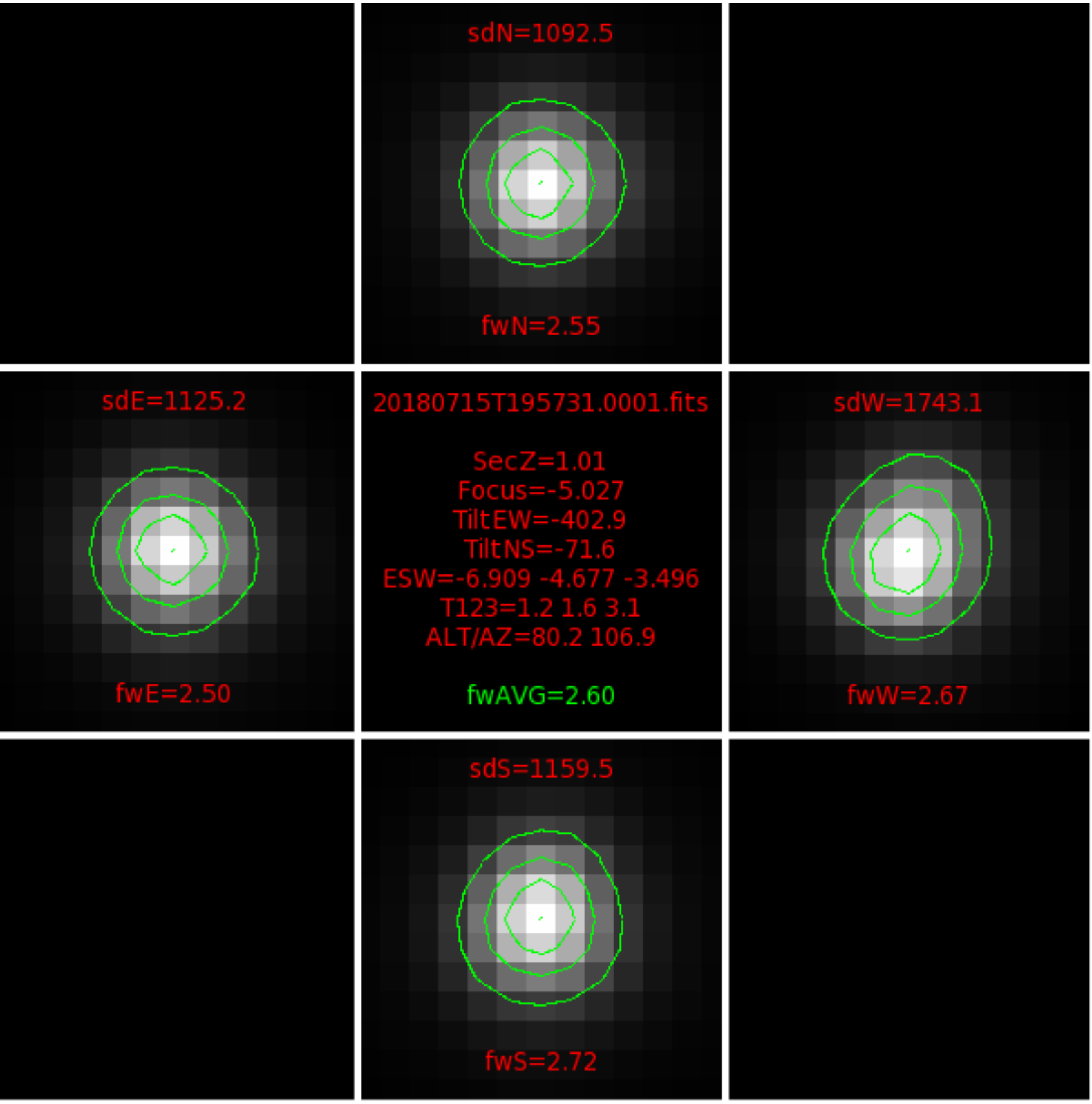
sdN=1092.5
fwN=2.55
sdE=1125.2
fwE=2.50
20180715T195731.0001.fits
SecZ=1.01
Focus=-5.027
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.909 -4.677 -3.496
T123=1.2 1.6 3.1
ALT/AZ=80.2 106.9
fwAVG=2.60
sdW=1743.1
fwW=2.67
sdS=1159.5
fwS=2.72
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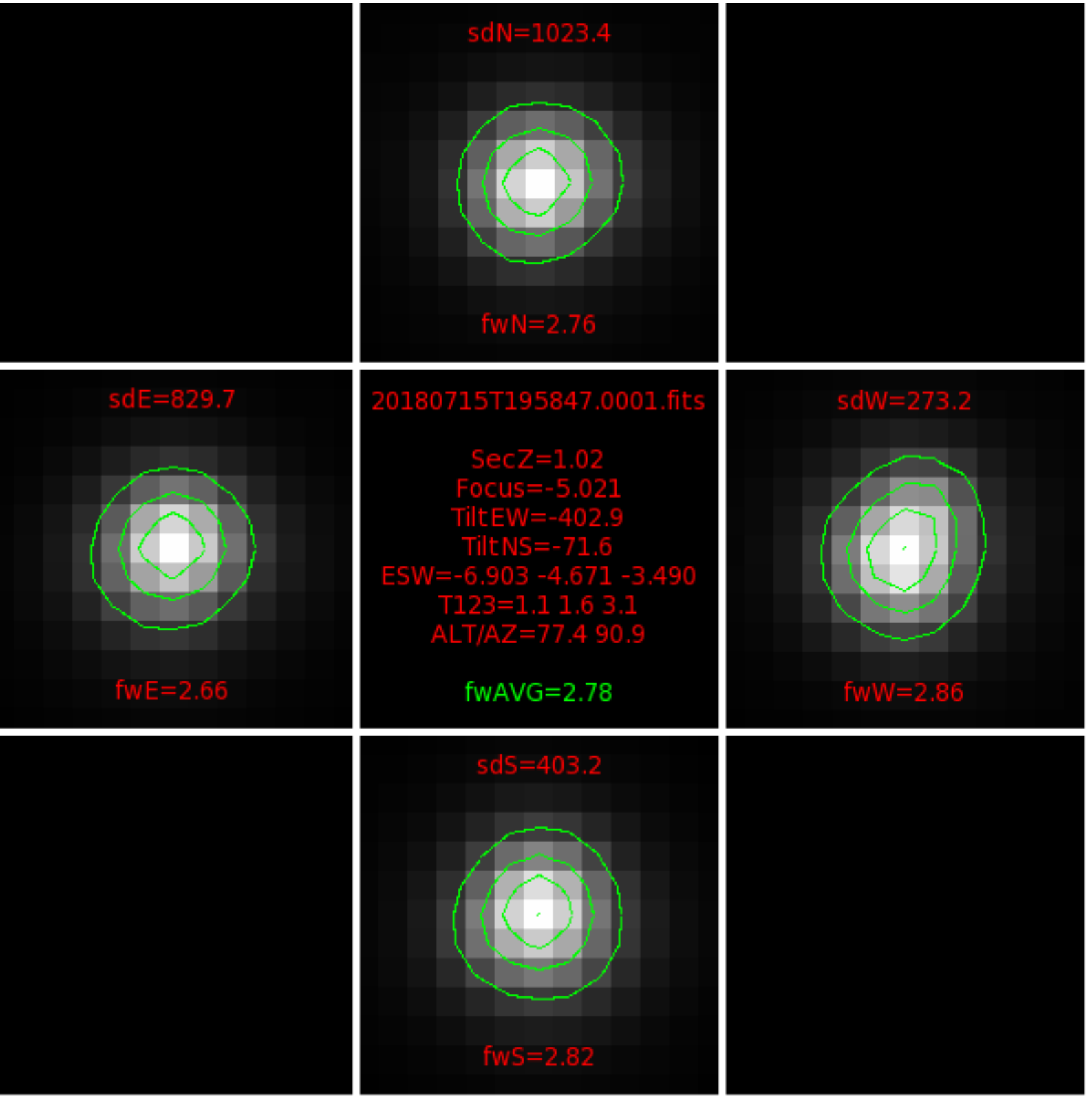
sdN=1023.4
fwN=2.76
sdE=829.7
fwE=2.66
20180715T195847.0001.fits
SecZ=1.02
Focus=-5.021
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.903 -4.671 -3.490
T123=1.1 1.6 3.1
ALT/AZ=77.4 90.9
fwAVG=2.78
sdW=273.2
fwW=2.86
sdS=403.2
fwS=2.82
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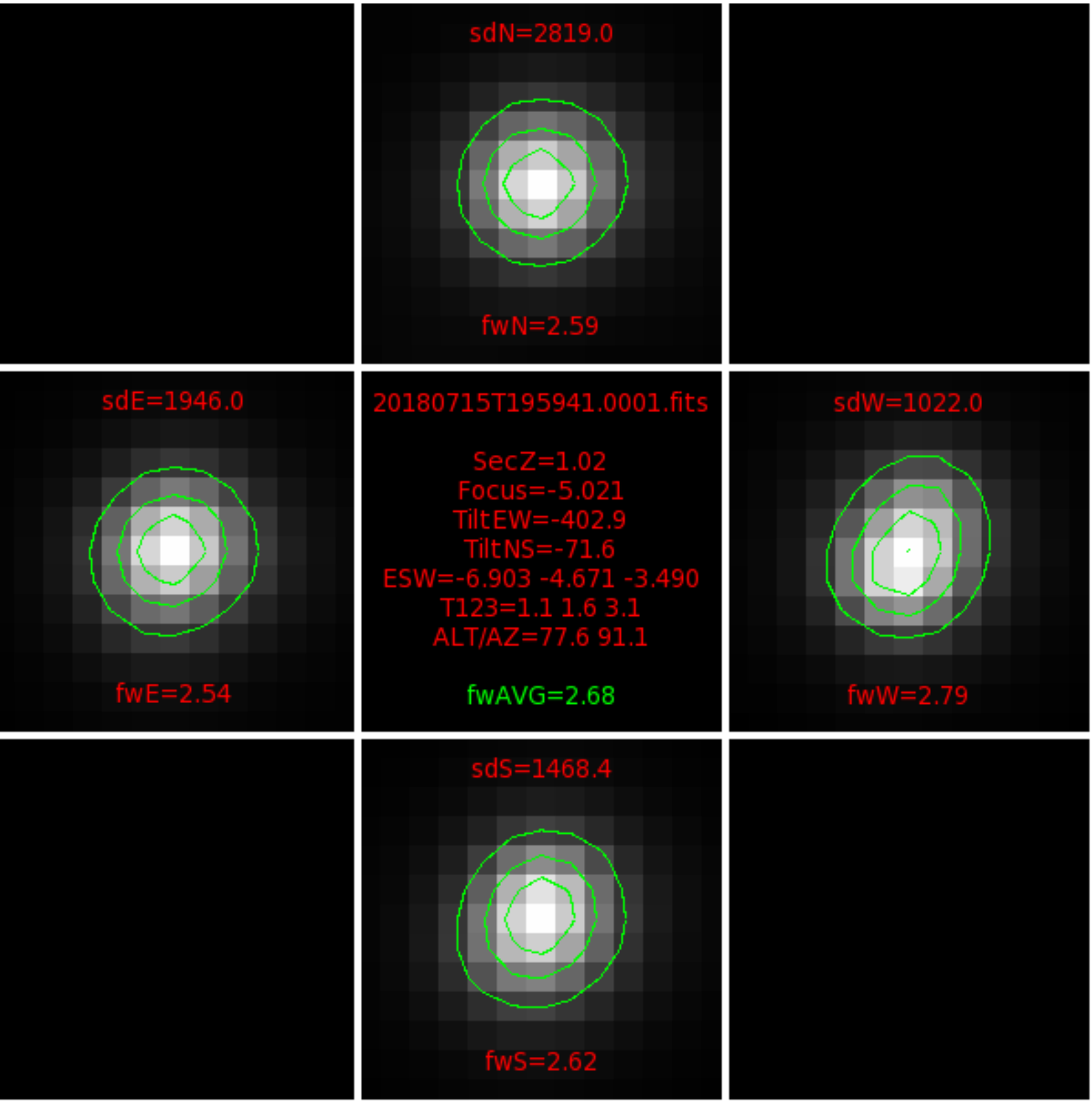
sdN=2819.0
fwN=2.59
sdE=1946.0
fwE=2.54
20180715T195941.0001.fits
SecZ=1.02
Focus=-5.021
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.903 -4.671 -3.490
T123=1.1 1.6 3.1
ALT/AZ=77.6 91.1
fwAVG=2.68
sdW=1022.0
fwW=2.79
sdS=1468.4
fwS=2.62
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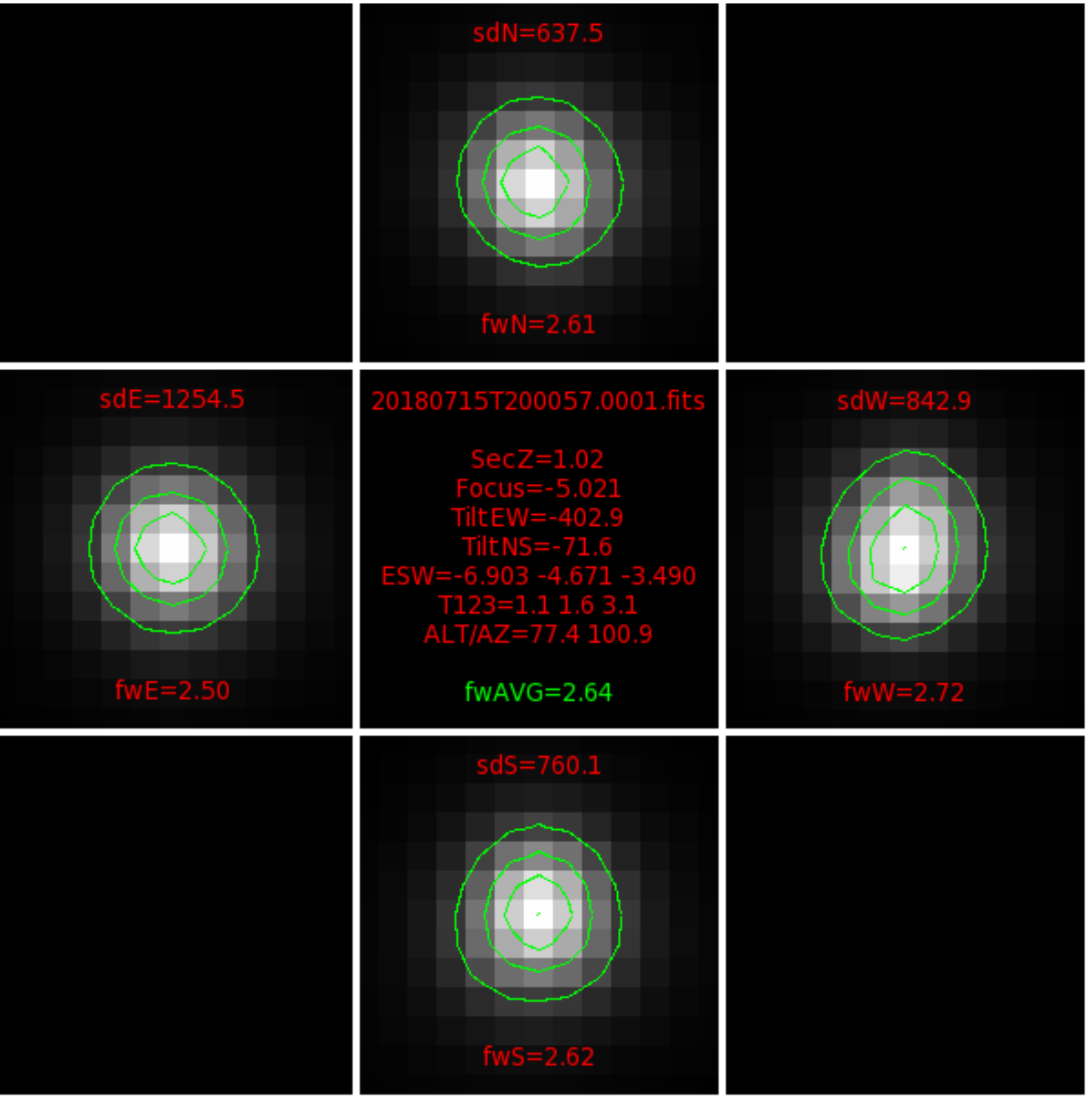
sdN=637.5
fwN=2.61
sdE=1254.5
fwE=2.50
20180715T200057.0001.fits
SecZ=1.02
Focus=-5.021
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.903 -4.671 -3.490
T123=1.1 1.6 3.1
ALT/AZ=77.4 100.9
fwAVG=2.64
sdW=842.9
fwW=2.72
sdS=760.1
fwS=2.62
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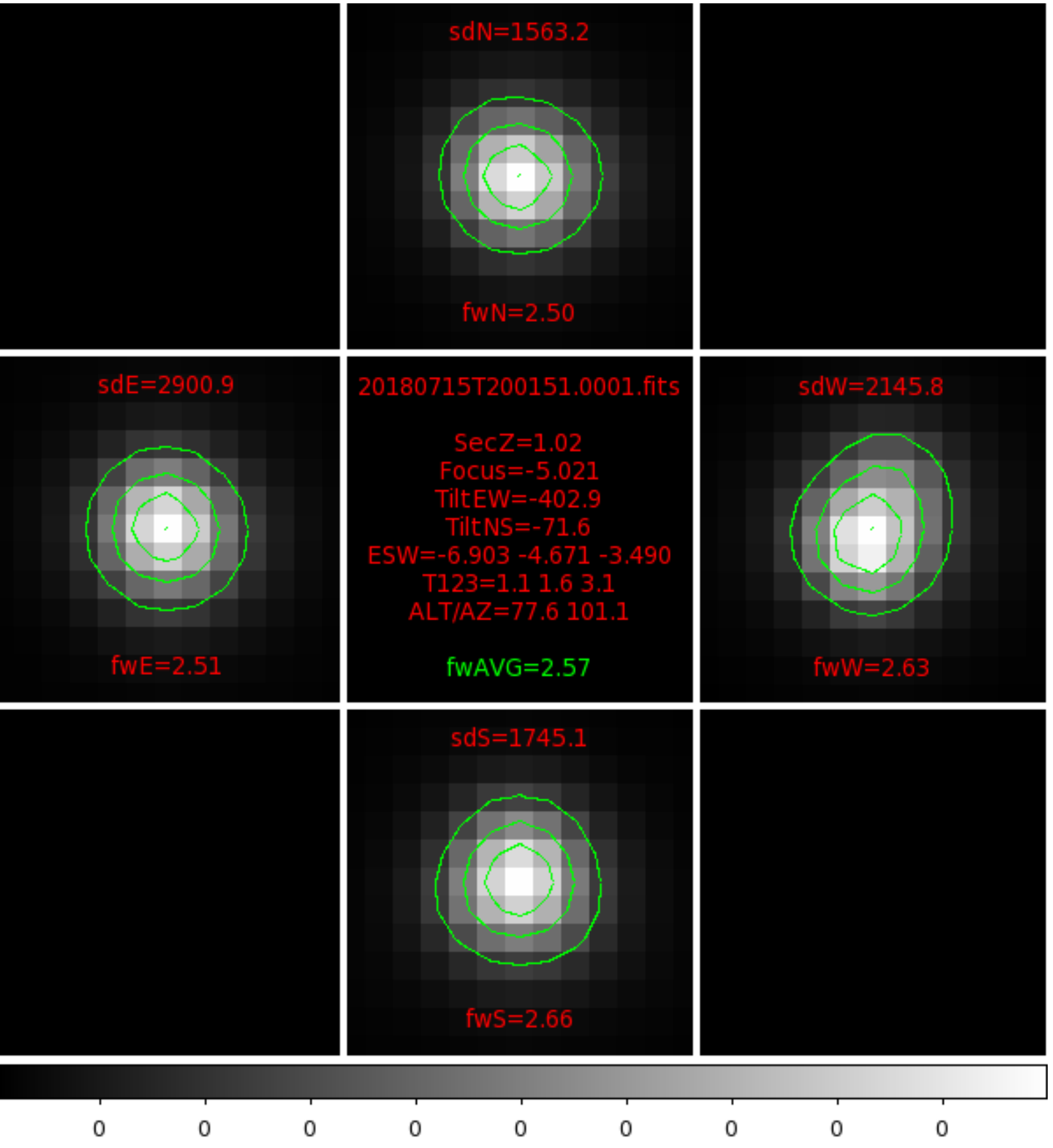
sdN=1563.2
fwN=2.50
sdE=2900.9
fwE=2.51
20180715T200151.0001.fits
SecZ=1.02
Focus=-5.021
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.903 -4.671 -3.490
T123=1.1 1.6 3.1
ALT/AZ=77.6 101.1
fwAVG=2.57
sdW=2145.8
fwW=2.63
sdS=1745.1
fwS=2.66
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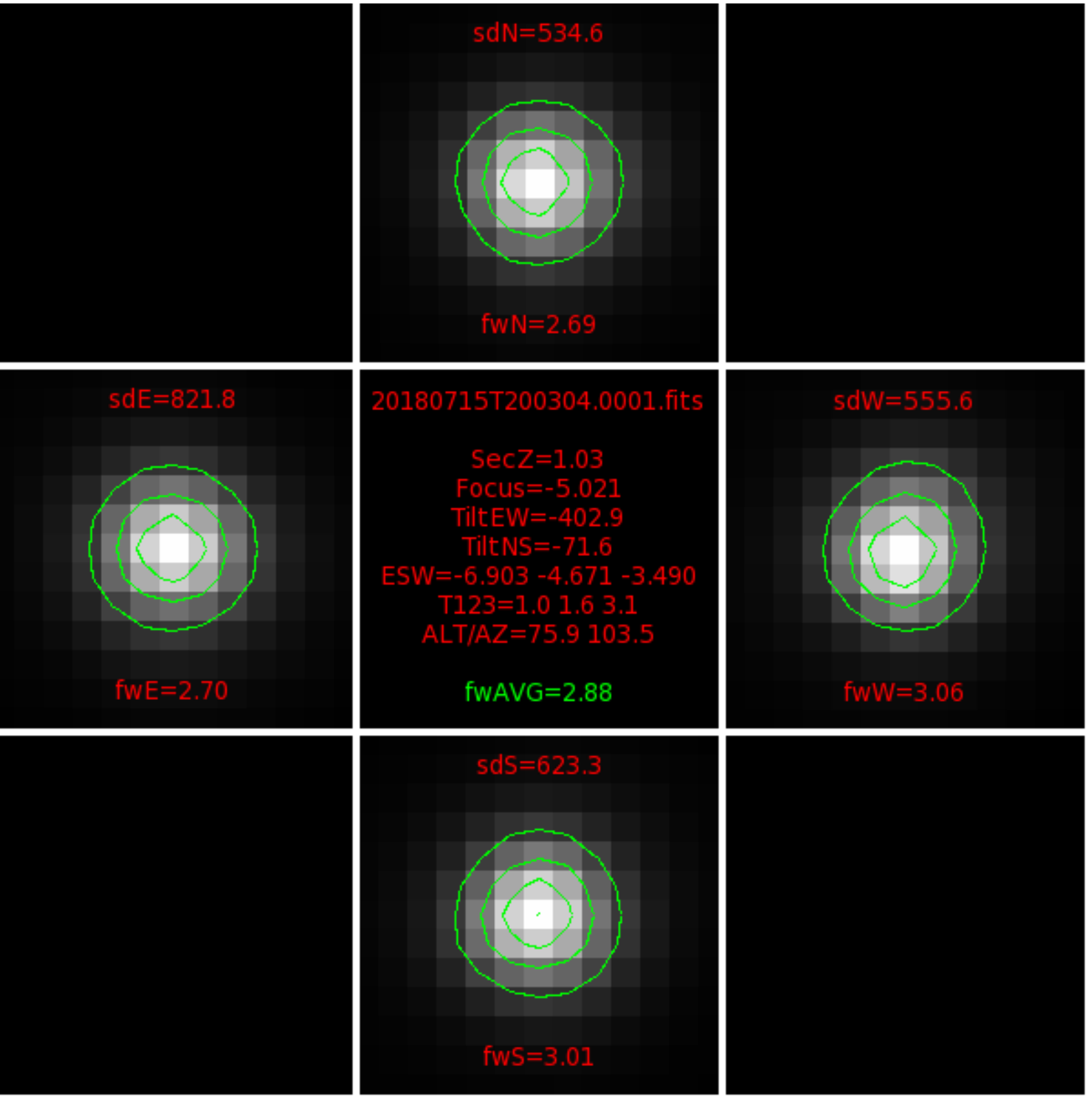
sdN=534.6
fwN=2.69
sdE=821.8
fwE=2.70
20180715T200304.0001.fits
SecZ=1.03
Focus=-5.021
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.903 -4.671 -3.490
T123=1.0 1.6 3.1
ALT/AZ=75.9 103.5
fwAVG=2.88
sdW=555.6
fwW=3.06
sdS=623.3
fwS=3.01
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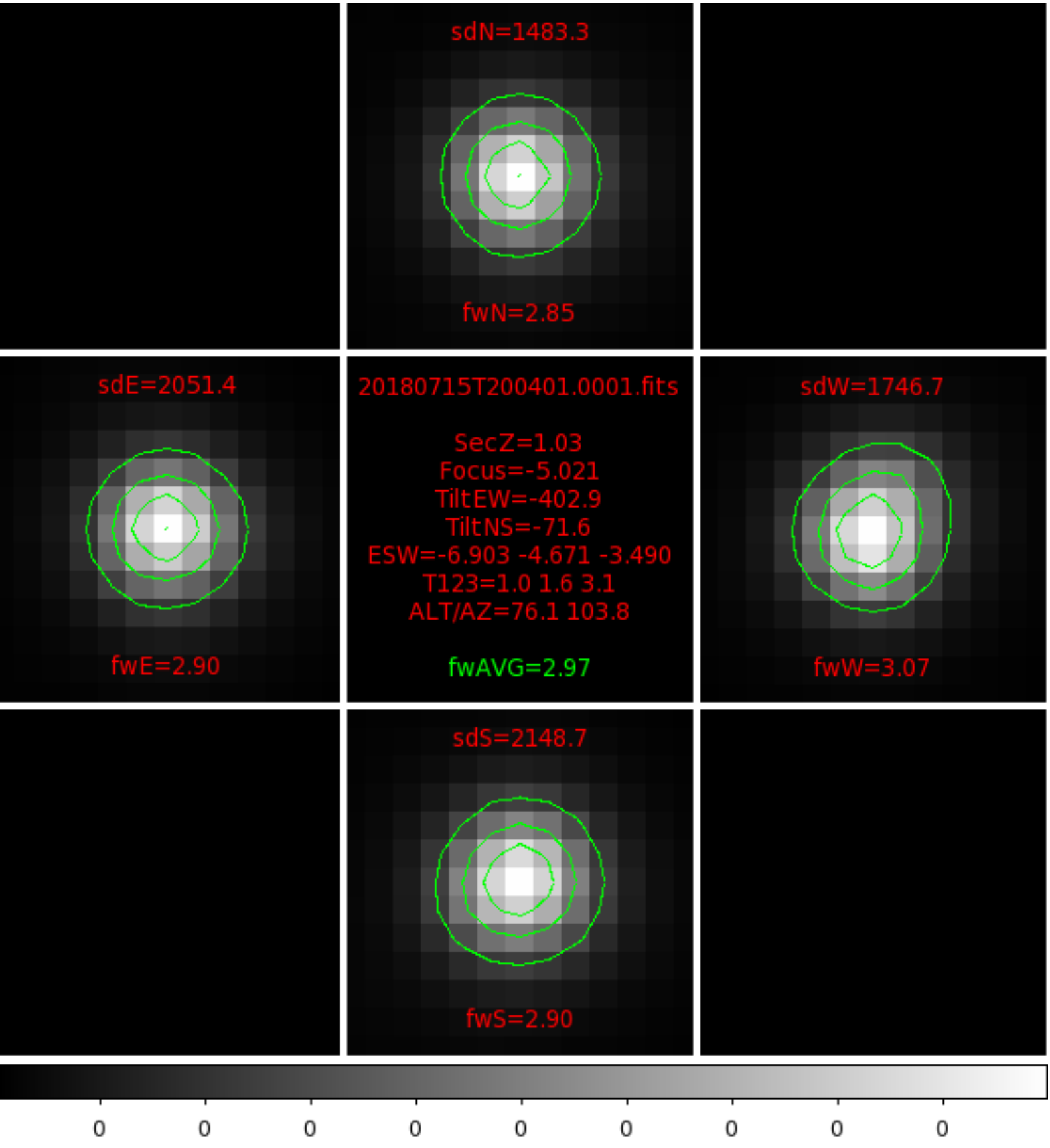
sdN=1483.3
fwN=2.85
sdE=2051.4
fwE=2.90
20180715T200401.0001.fits
SecZ=1.03
Focus=-5.021
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.903 -4.671 -3.490
T123=1.0 1.6 3.1
ALT/AZ=76.1 103.8
fwAVG=2.97
sdW=1746.7
fwW=3.07
sdS=2148.7
fwS=2.90
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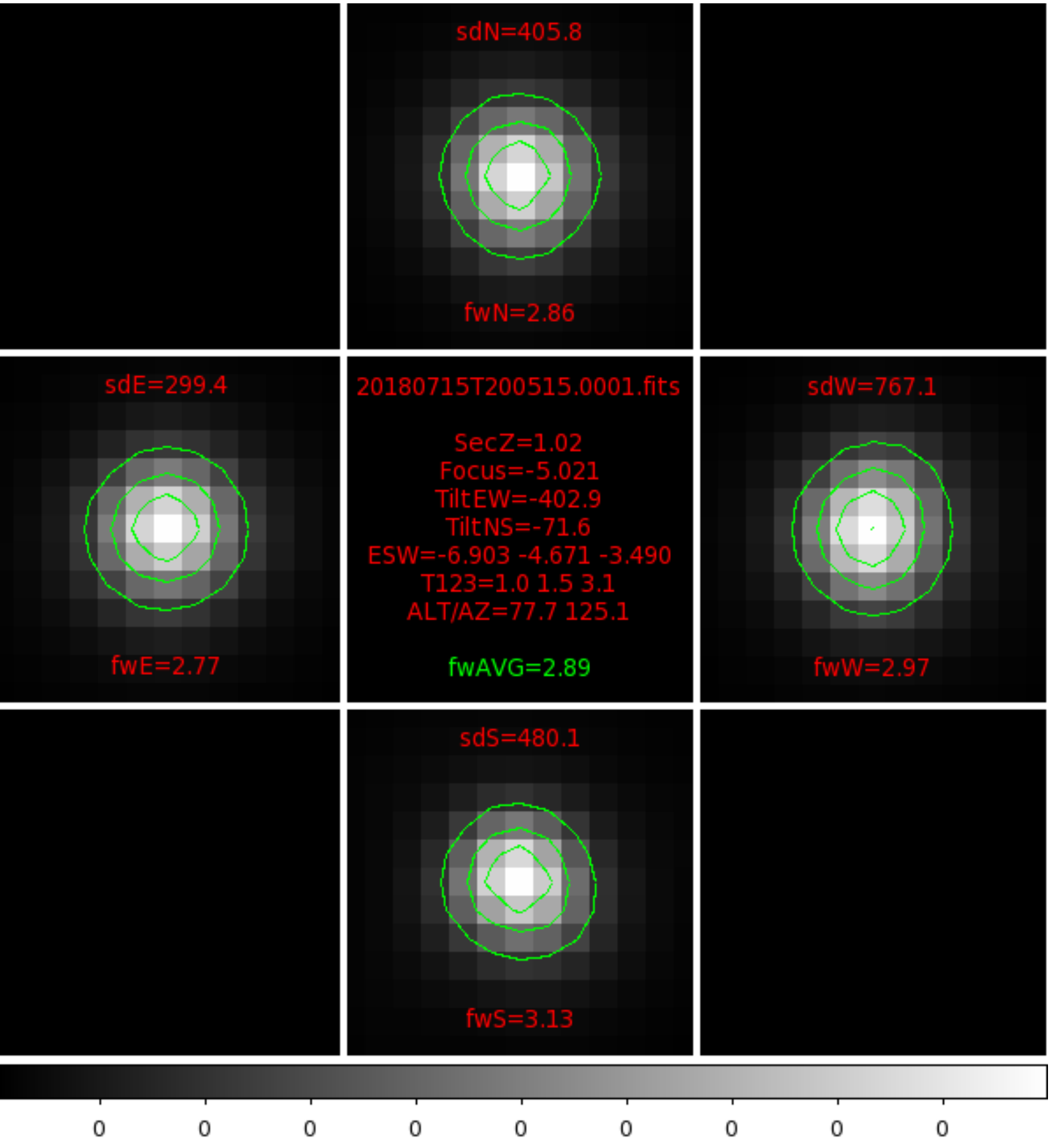
sdN=405.8
fwN=2.86
sdE=299.4
fwE=2.77
20180715T200515.0001.fits
SecZ=1.02
Focus=-5.021
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.903 -4.671 -3.490
T123=1.0 1.5 3.1
ALT/AZ=77.7 125.1
fwAVG=2.89
sdW=767.1
fwW=2.97
sdS=480.1
fwS=3.13
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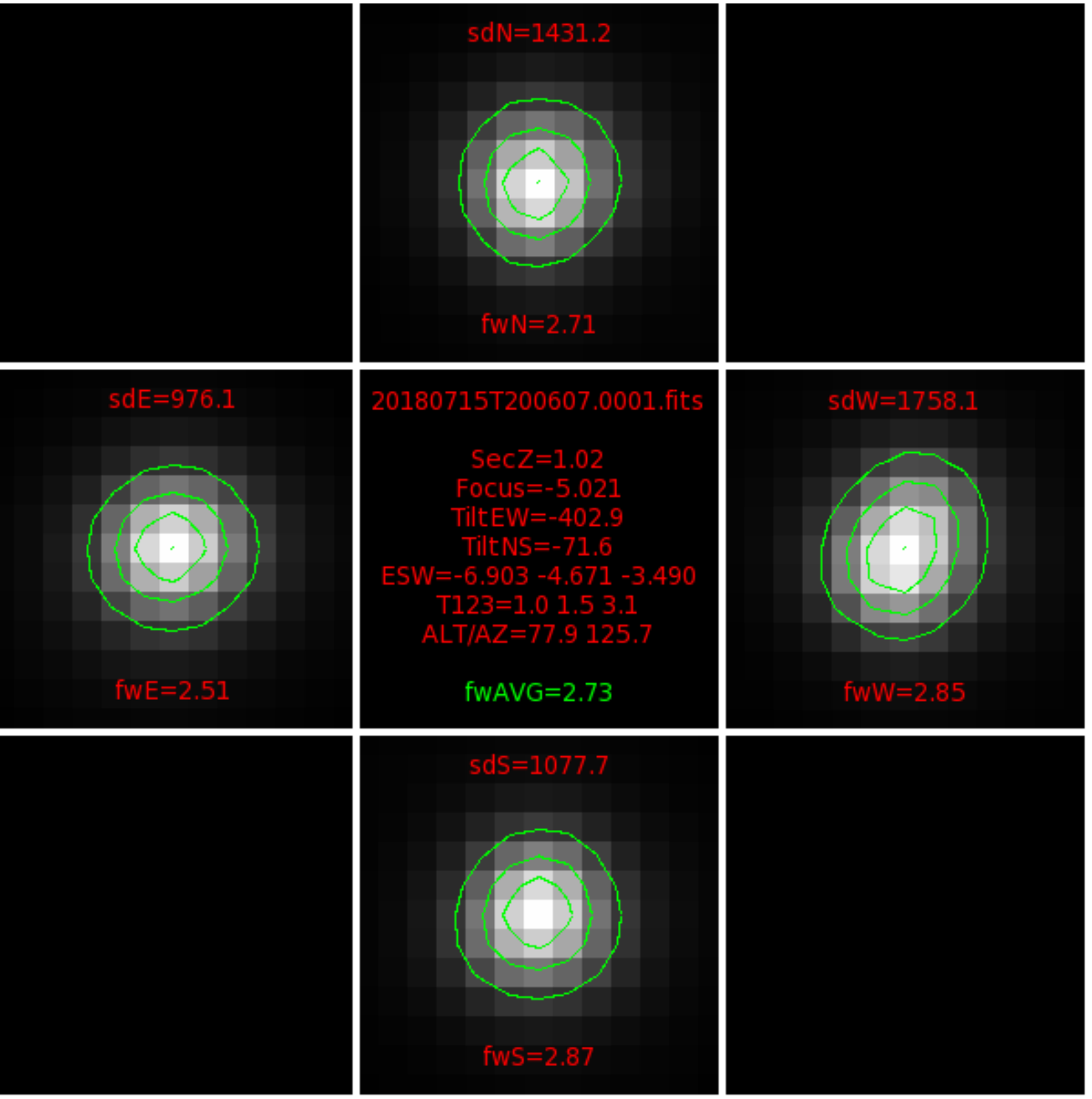
sdN=1431.2
fwN=2.71
sdE=976.1
fwE=2.51
20180715T200607.0001.fits
SecZ=1.02
Focus=-5.021
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.903 -4.671 -3.490
T123=1.0 1.5 3.1
ALT/AZ=77.9 125.7
fwAVG=2.73
sdW=1758.1
fwW=2.85
sdS=1077.7
fwS=2.87
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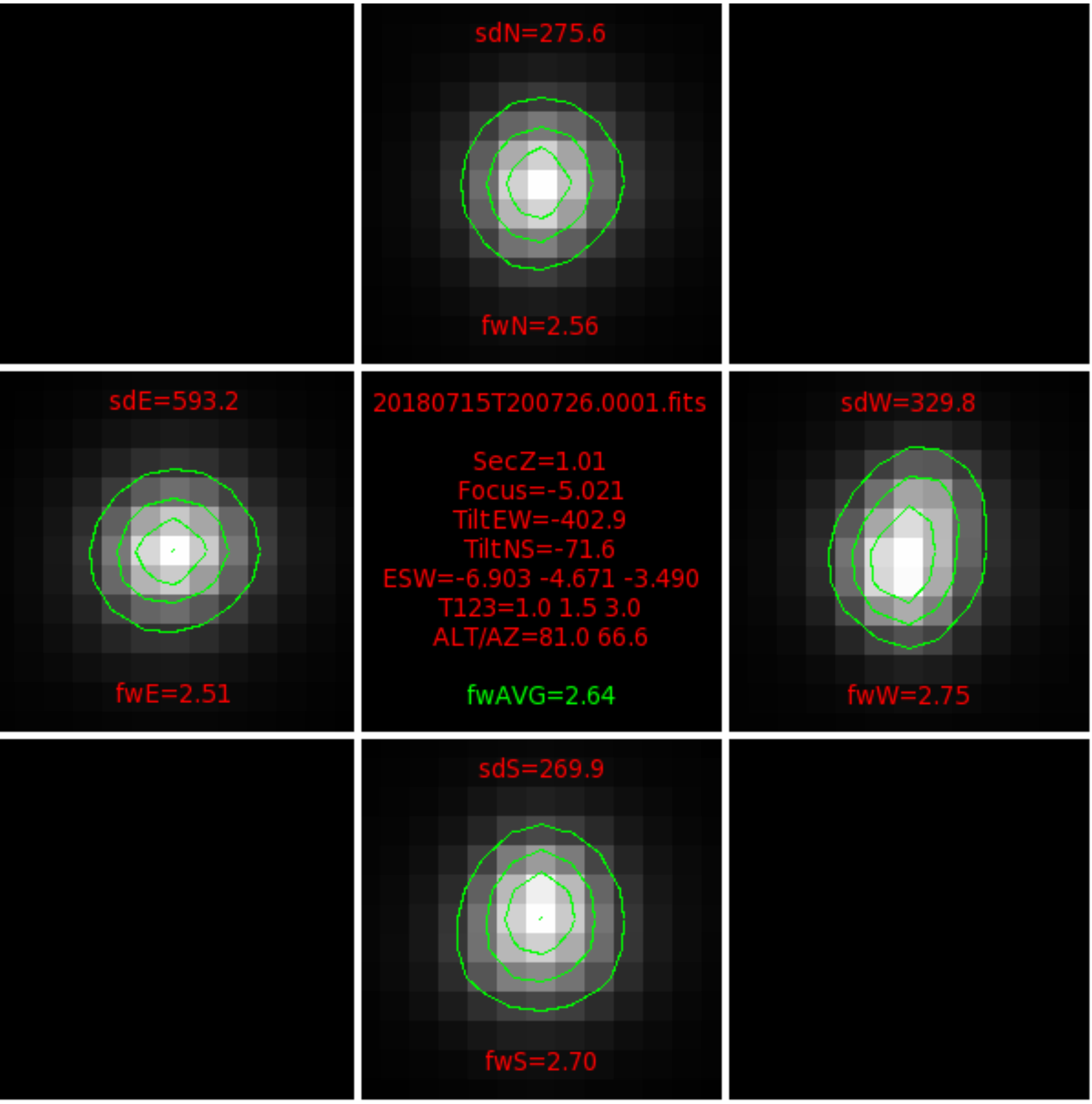
sdN=275.6
fwN=2.56
sdE=593.2
fwE=2.51
20180715T200726.0001.fits
SecZ=1.01
Focus=-5.021
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.903 -4.671 -3.490
T123=1.0 1.5 3.0
ALT/AZ=81.0 66.6
fwAVG=2.64
sdW=329.8
fwW=2.75
sdS=269.9
fwS=2.70
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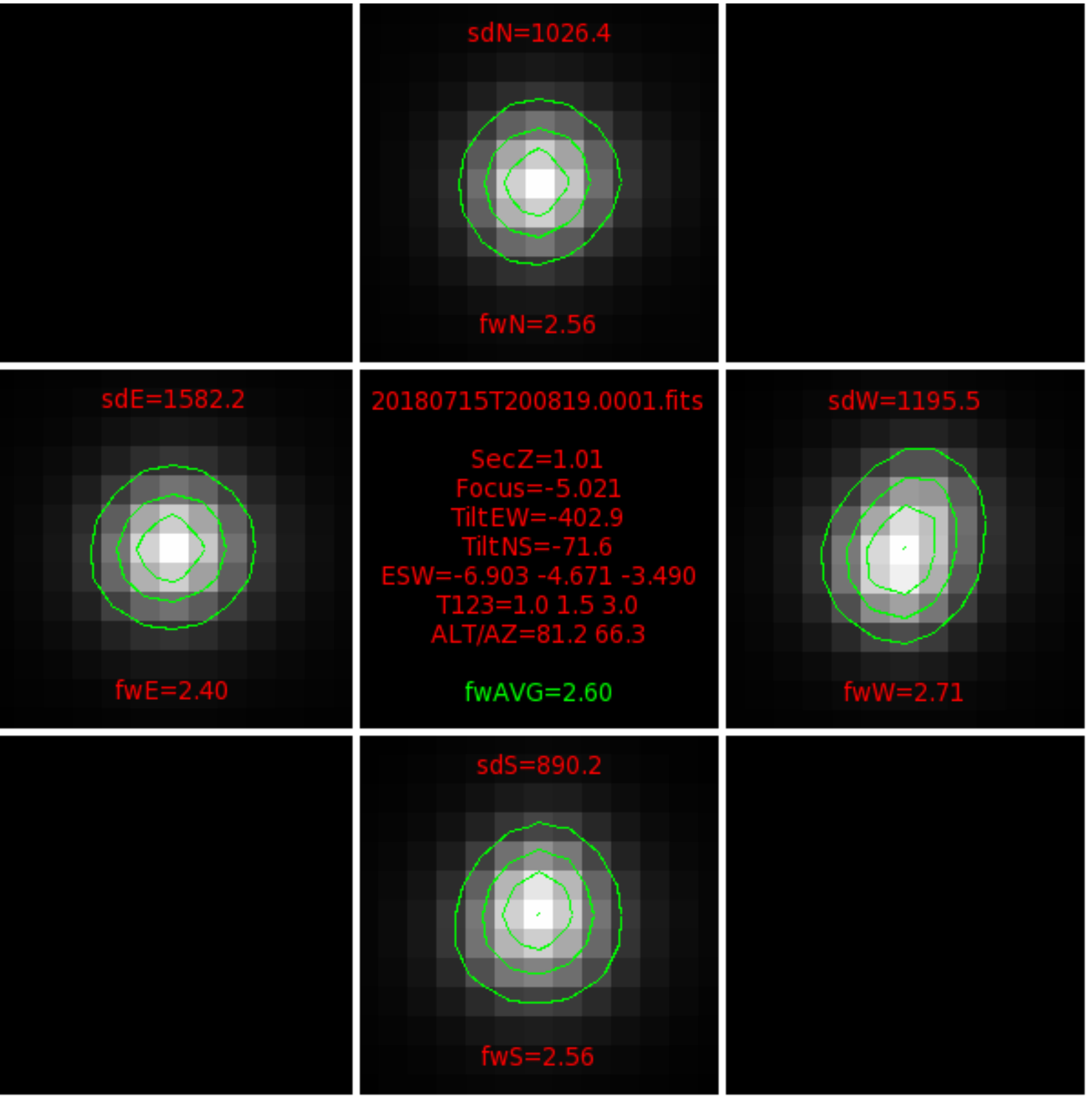
sdN=1026.4
fwN=2.56
sdE=1582.2
fwE=2.40
20180715T200819.0001.fits
SecZ=1.01
Focus=-5.021
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.903 -4.671 -3.490
T123=1.0 1.5 3.0
ALT/AZ=81.2 66.3
fwAVG=2.60
sdW=1195.5
fwW=2.71
sdS=890.2
fwS=2.56
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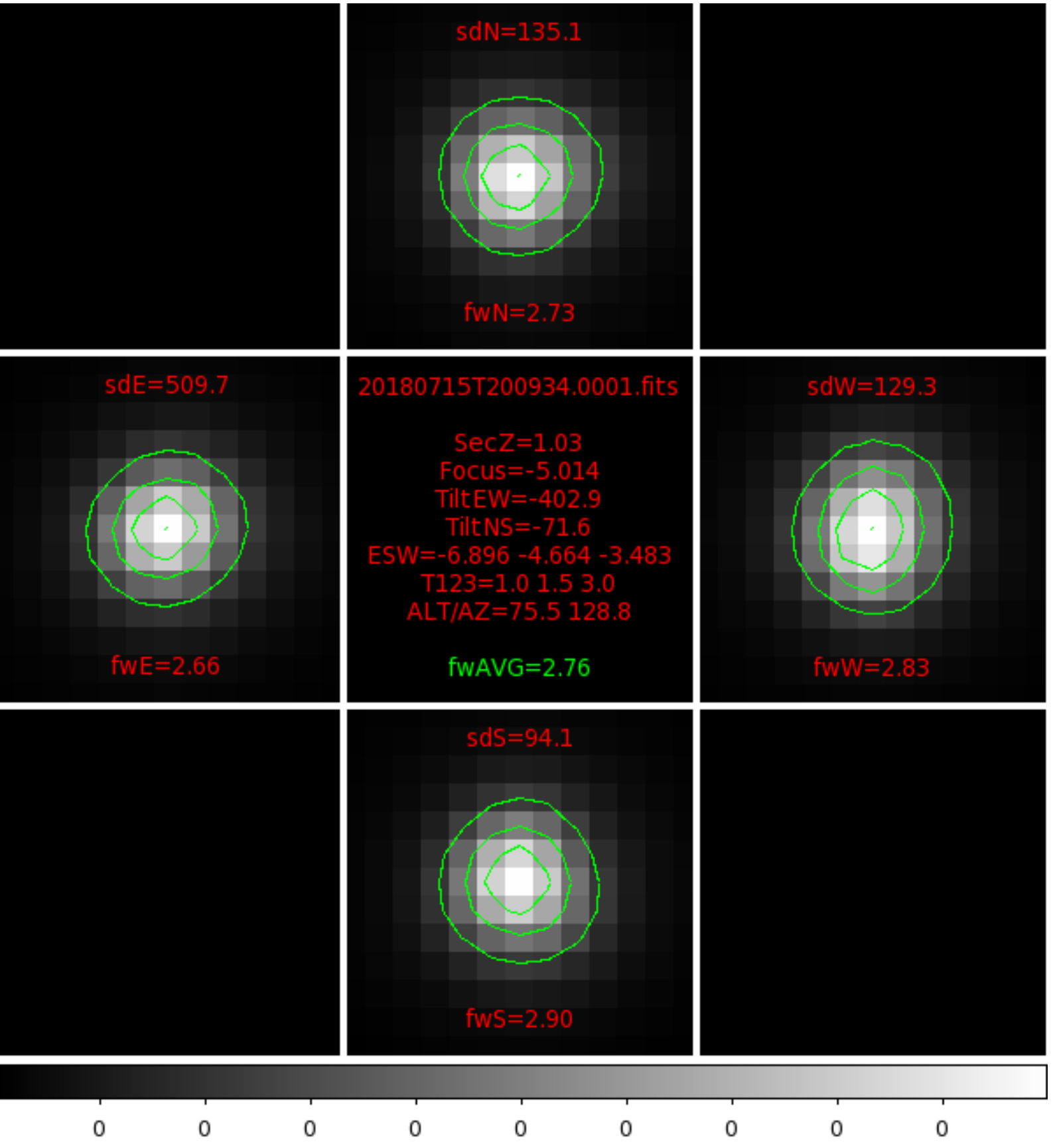
sdN=135.1
fwN=2.73
sdE=509.7
fwE=2.66
20180715T200934.0001.fits
SecZ=1.03
Focus=-5.014
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.896 -4.664 -3.483
T123=1.0 1.5 3.0
ALT/AZ=75.5 128.8
fwAVG=2.76
sdW=129.3
fwW=2.83
sdS=94.1
fwS=2.90
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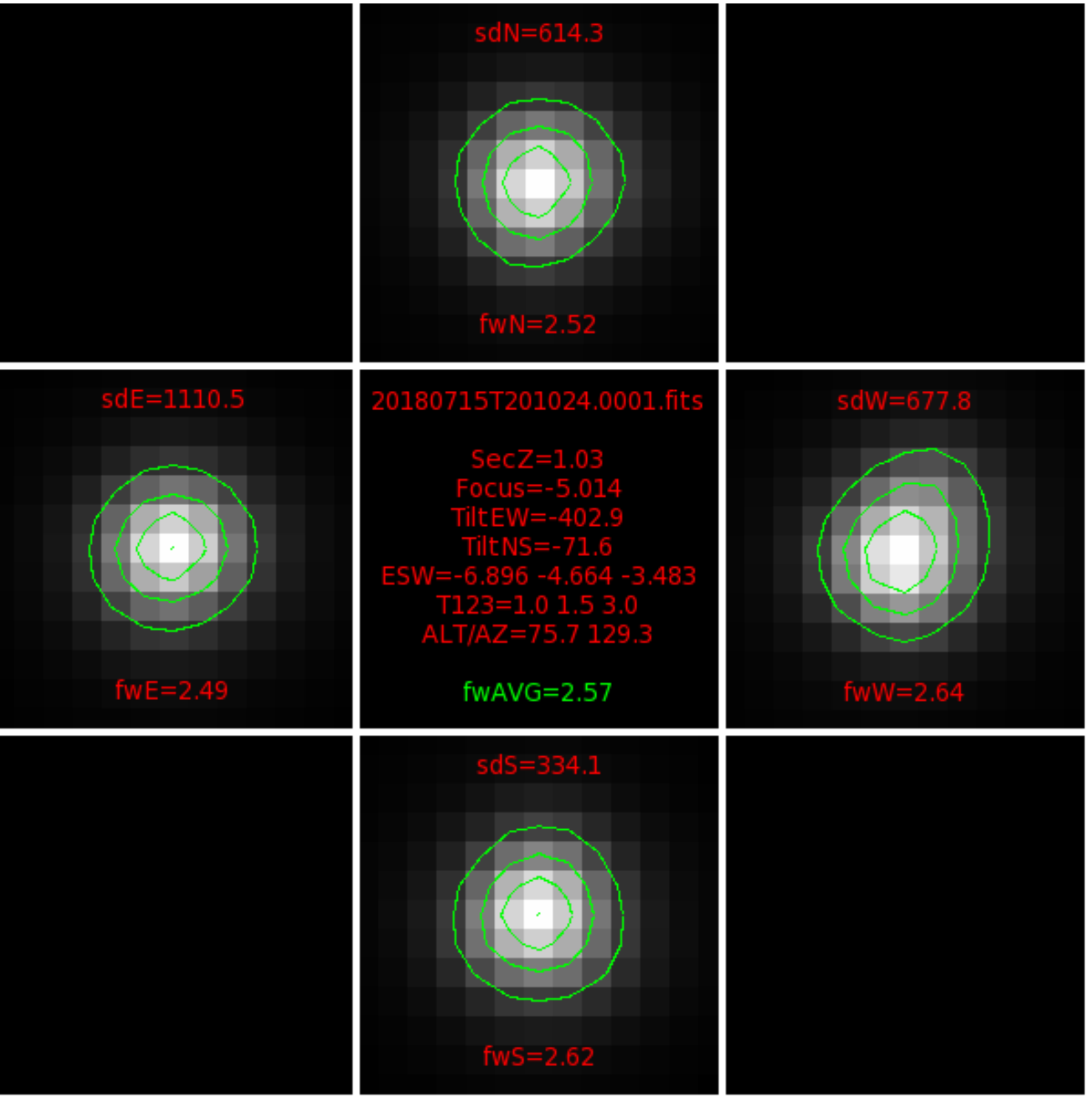
sdN=614.3
fwN=2.52
sdE=1110.5
fwE=2.49
20180715T201024.0001.fits
SecZ=1.03
Focus=-5.014
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.896 -4.664 -3.483
T123=1.0 1.5 3.0
ALT/AZ=75.7 129.3
fwAVG=2.57
sdW=677.8
fwW=2.64
sdS=334.1
fwS=2.62
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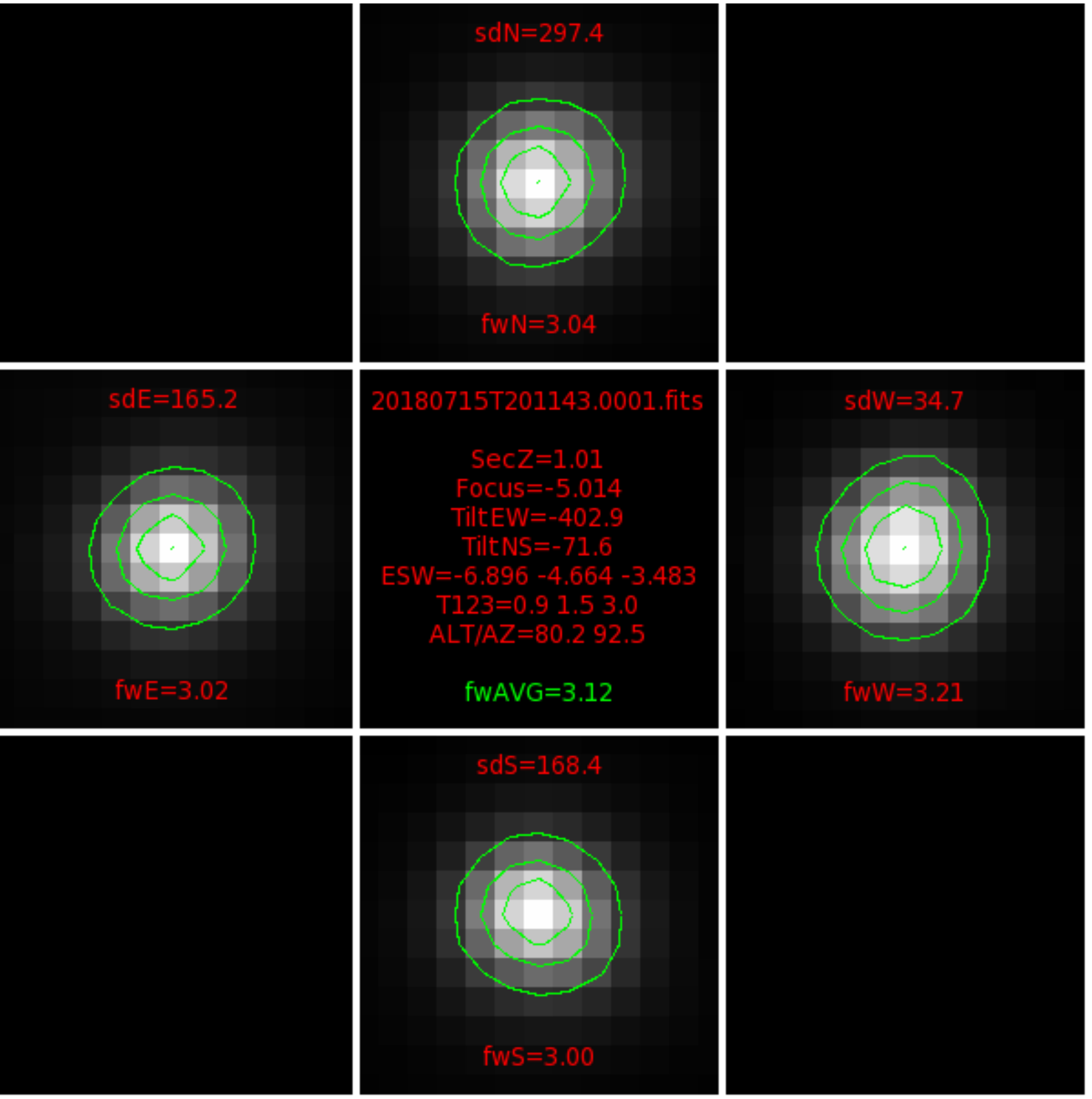
sdN=297.4
fwN=3.04
sdE=165.2
fwE=3.02
20180715T201143.0001.fits
SecZ=1.01
Focus=-5.014
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.896 -4.664 -3.483
T123=0.9 1.5 3.0
ALT/AZ=80.2 92.5
fwAVG=3.12
sdW=34.7
fwW=3.21
sdS=168.4
fwS=3.00
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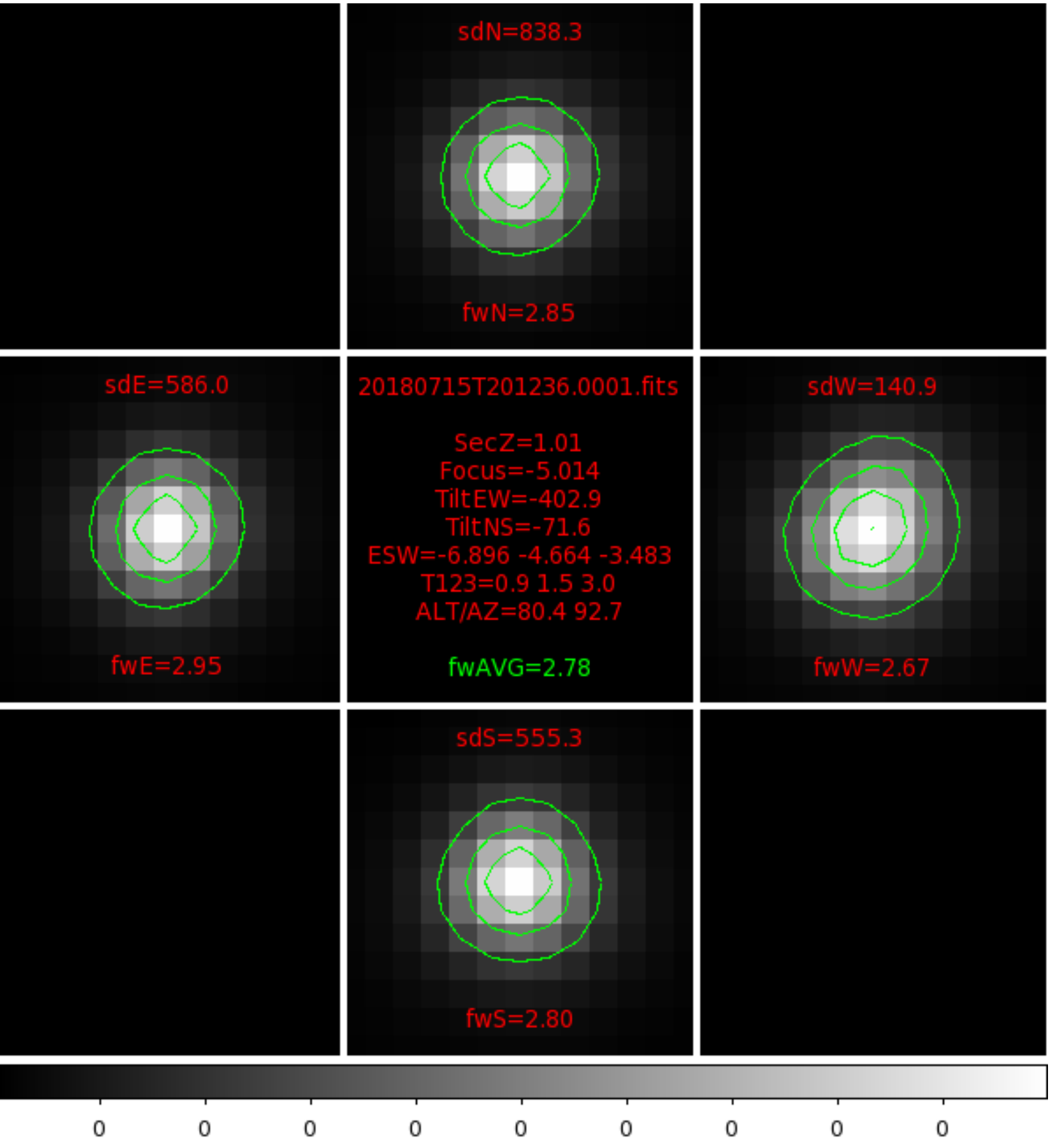
sdN=838.3
fwN=2.85
sdE=586.0
fwE=2.95
20180715T201236.0001.fits
SecZ=1.01
Focus=-5.014
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.896 -4.664 -3.483
T123=0.9 1.5 3.0
ALT/AZ=80.4 92.7
fwAVG=2.78
sdW=140.9
fwW=2.67
sdS=555.3
fwS=2.80
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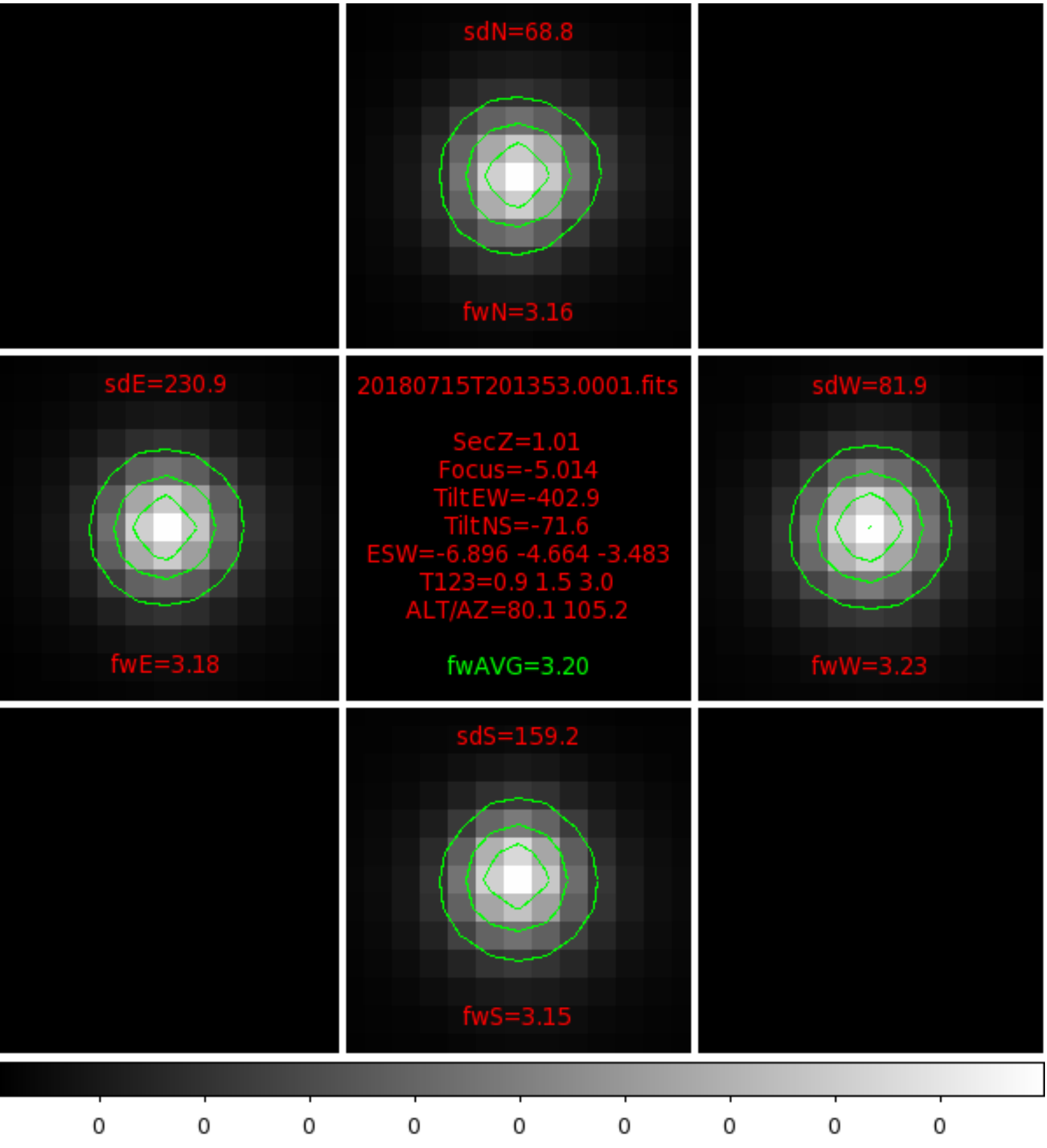
sdN=68.8
fwN=3.16
sdE=230.9
fwE=3.18
20180715T201353.0001.fits
SecZ=1.01
Focus=-5.014
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.896 -4.664 -3.483
T123=0.9 1.5 3.0
ALT/AZ=80.1 105.2
fwAVG=3.20
sdW=81.9
fwW=3.23
sdS=159.2
fwS=3.15
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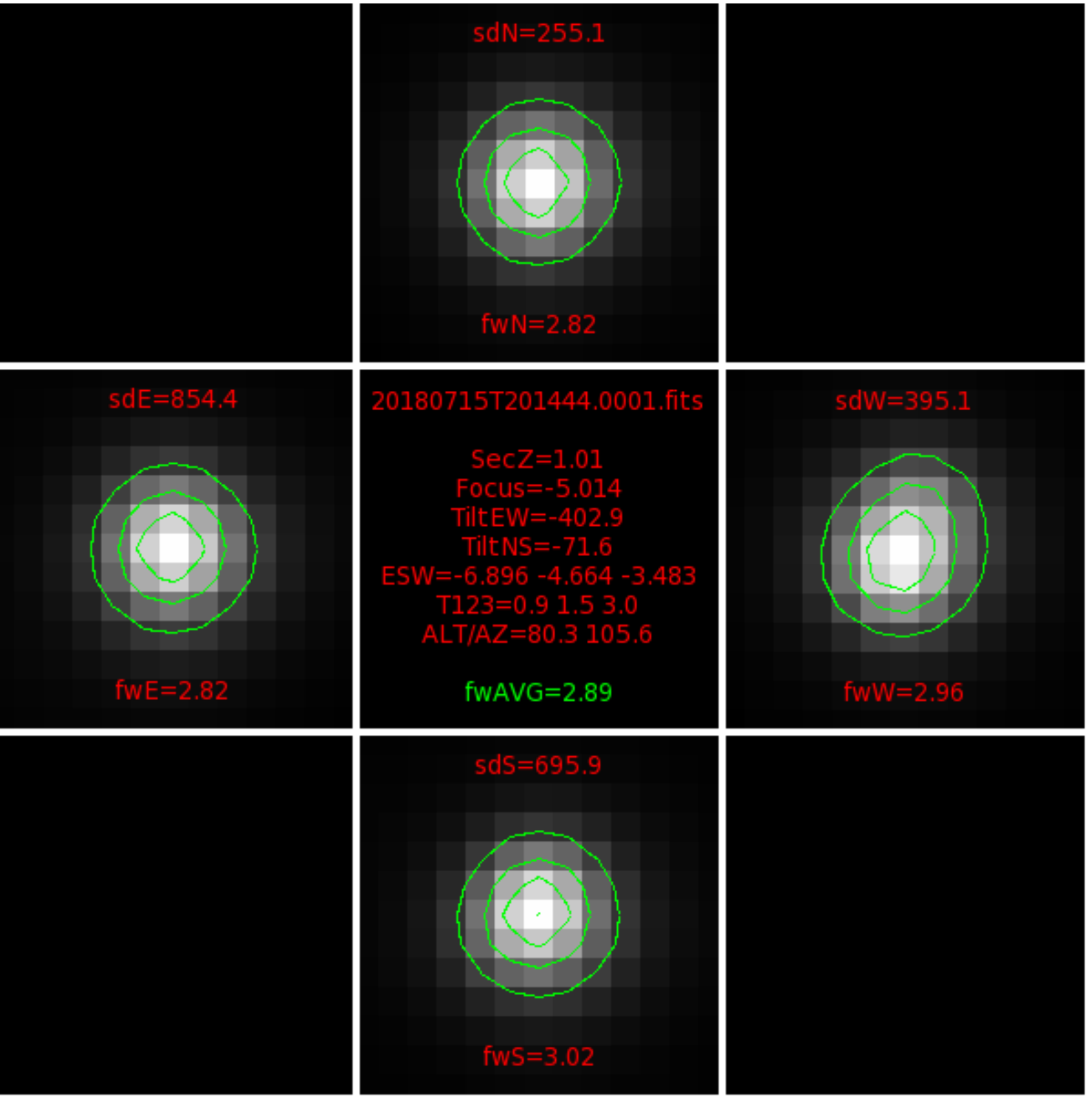
sdN=255.1
fwN=2.82
sdE=854.4
fwE=2.82
20180715T201444.0001.fits
SecZ=1.01
Focus=-5.014
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.896 -4.664 -3.483
T123=0.9 1.5 3.0
ALT/AZ=80.3 105.6
fwAVG=2.89
sdW=395.1
fwW=2.96
sdS=695.9
fwS=3.02
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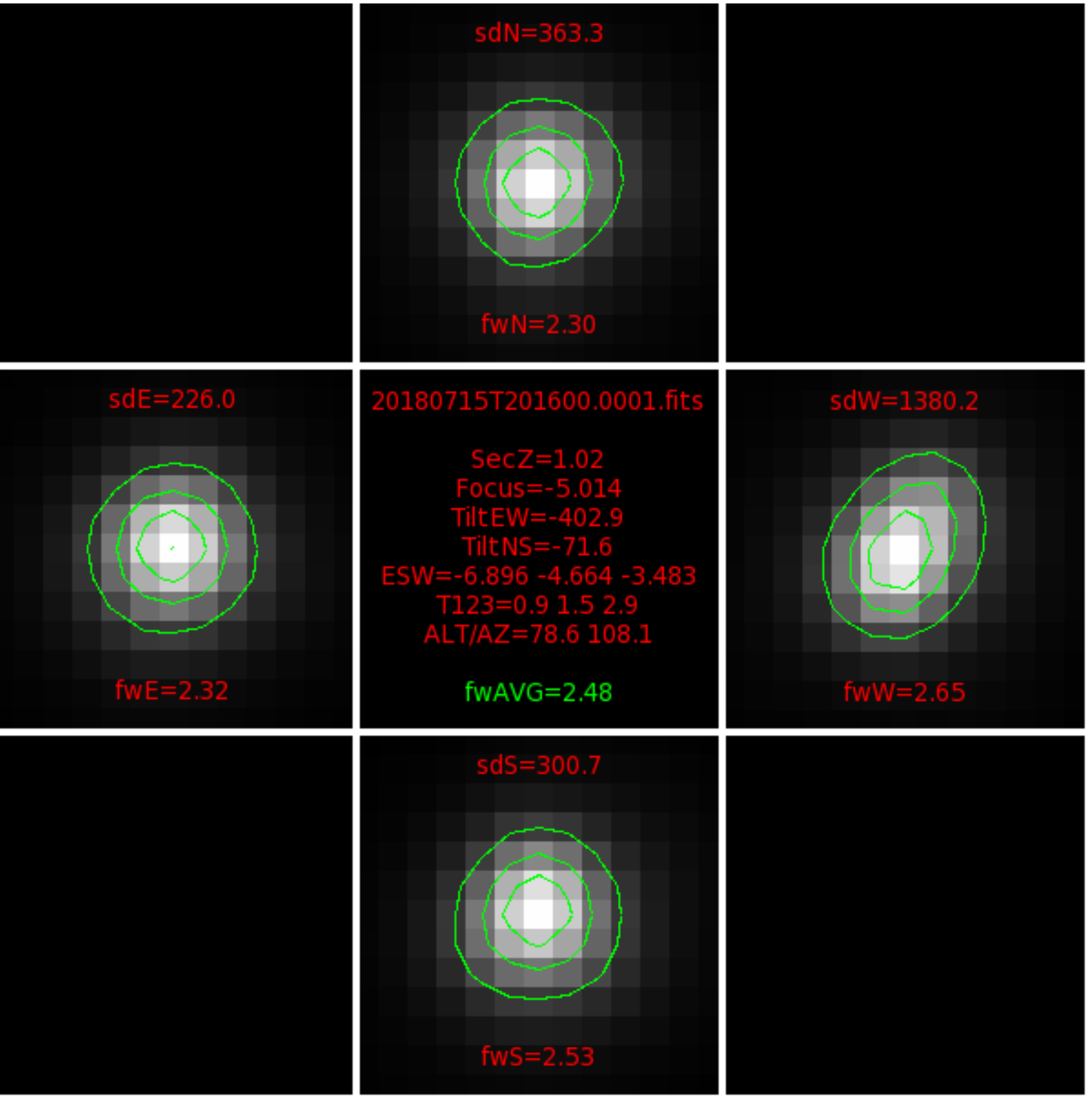
sdN=363.3
fwN=2.30
sdE=226.0
fwE=2.32
20180715T201600.0001.fits
SecZ=1.02
Focus=-5.014
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.896 -4.664 -3.483
T123=0.9 1.5 2.9
ALT/AZ=78.6 108.1
fwAVG=2.48
sdW=1380.2
fwW=2.65
sdS=300.7
fwS=2.53
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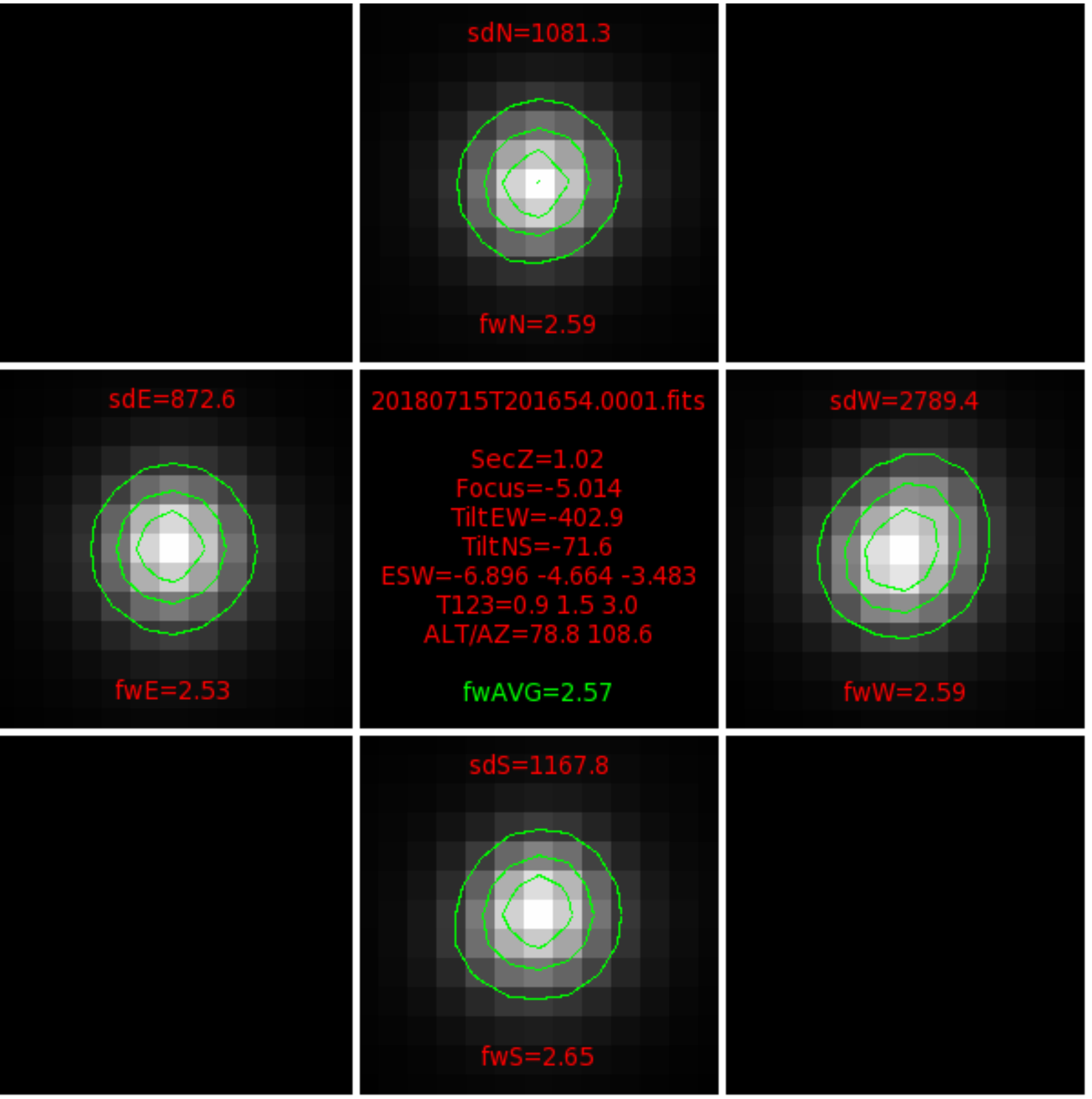
sdN=1081.3
fwN=2.59
sdE=872.6
fwE=2.53
20180715T201654.0001.fits
SecZ=1.02
Focus=-5.014
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.896 -4.664 -3.483
T123=0.9 1.5 3.0
ALT/AZ=78.8 108.6
fwAVG=2.57
sdW=2789.4
fwW=2.59
sdS=1167.8
fwS=2.65
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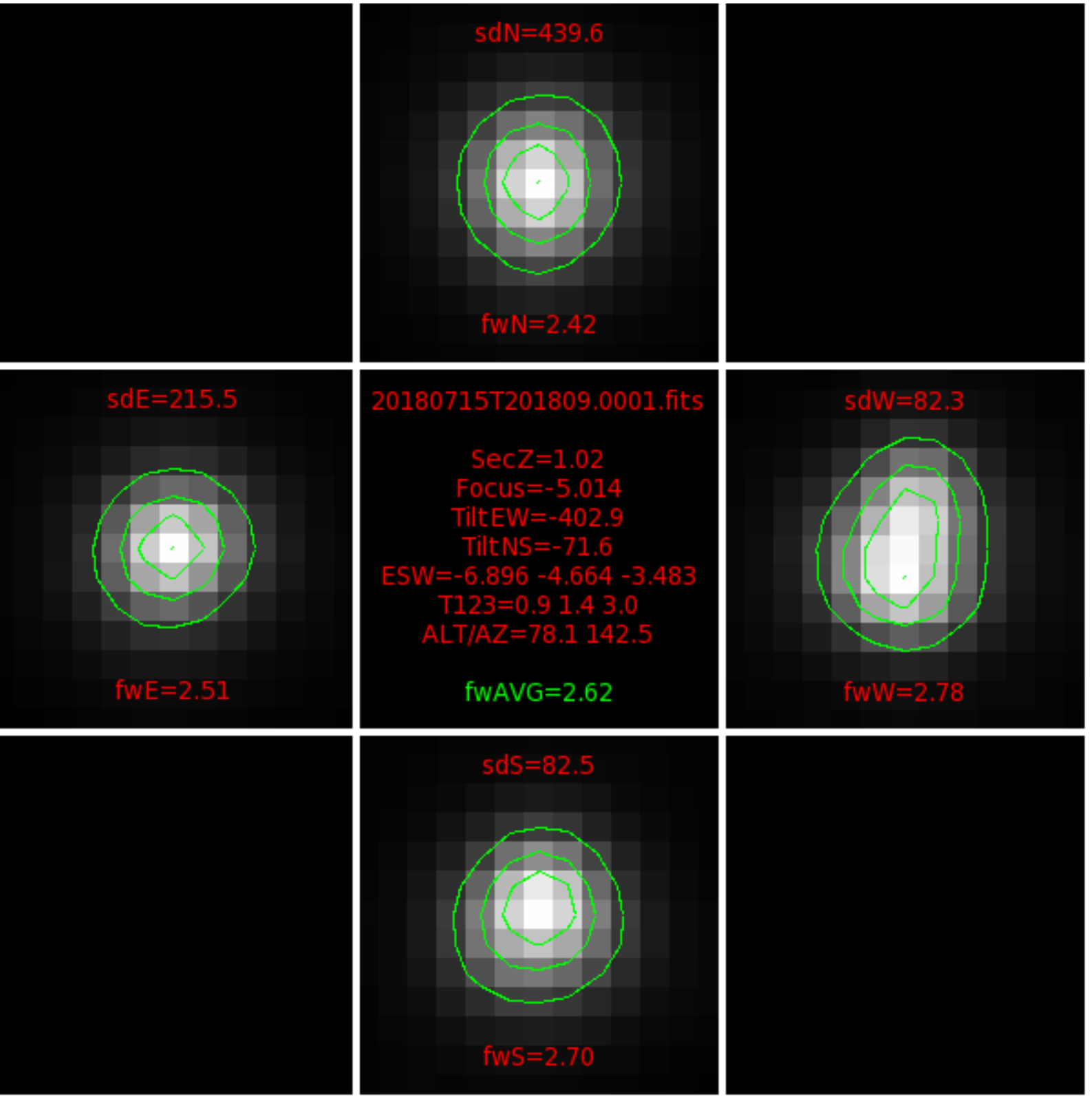
sdN=439.6
fwN=2.42
sdE=215.5
fwE=2.51
20180715T201809.0001.fits
SecZ=1.02
Focus=-5.014
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.896 -4.664 -3.483
T123=0.9 1.4 3.0
ALT/AZ=78.1 142.5
fwAVG=2.62
sdW=82.3
fwW=2.78
sdS=82.5
fwS=2.70
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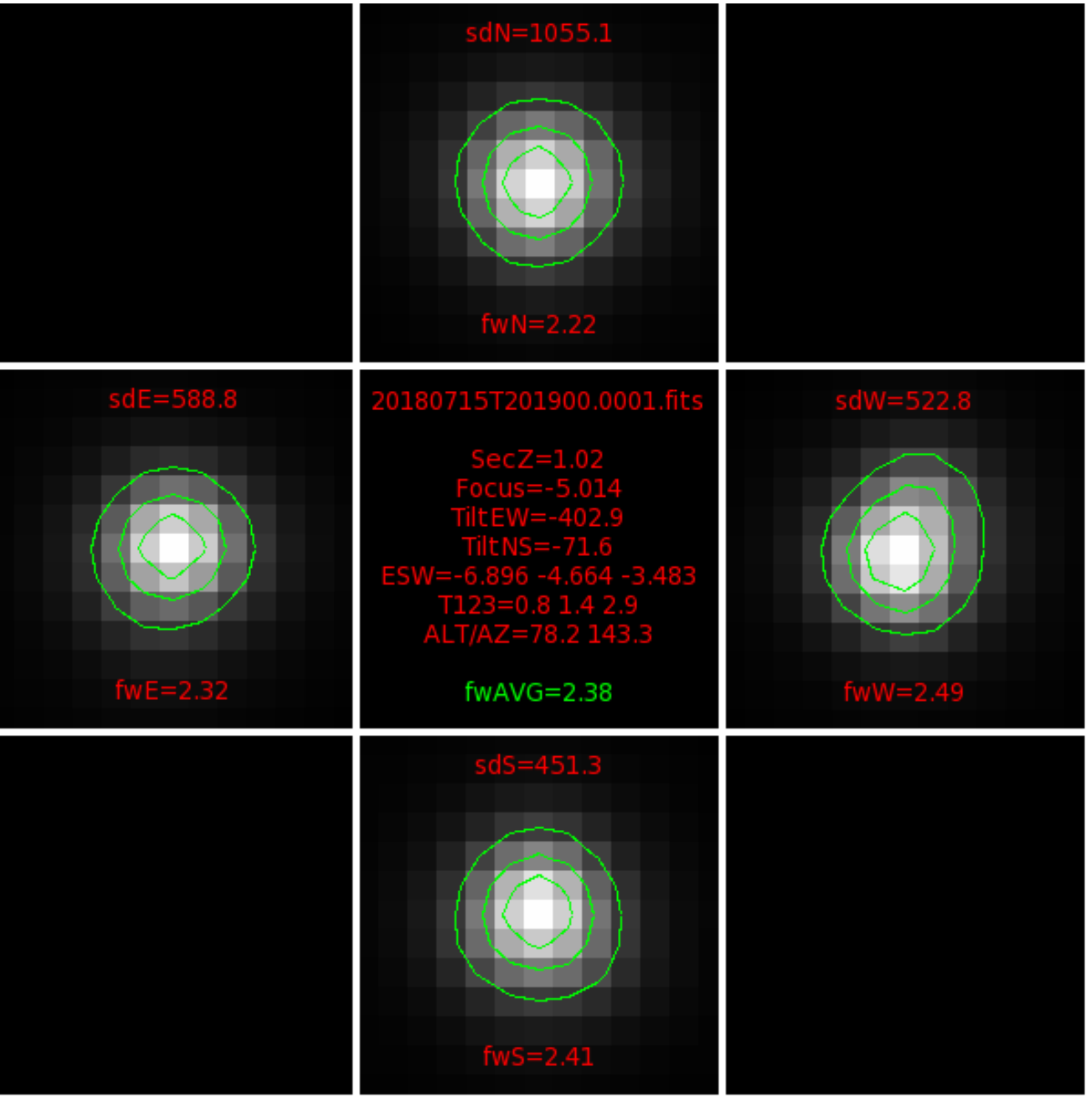
sdN=1055.1
fwN=2.22
sdE=588.8
fwE=2.32
20180715T201900.0001.fits
SecZ=1.02
Focus=-5.014
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.896 -4.664 -3.483
T123=0.8 1.4 2.9
ALT/AZ=78.2 143.3
fwAVG=2.38
sdW=522.8
fwW=2.49
sdS=451.3
fwS=2.41
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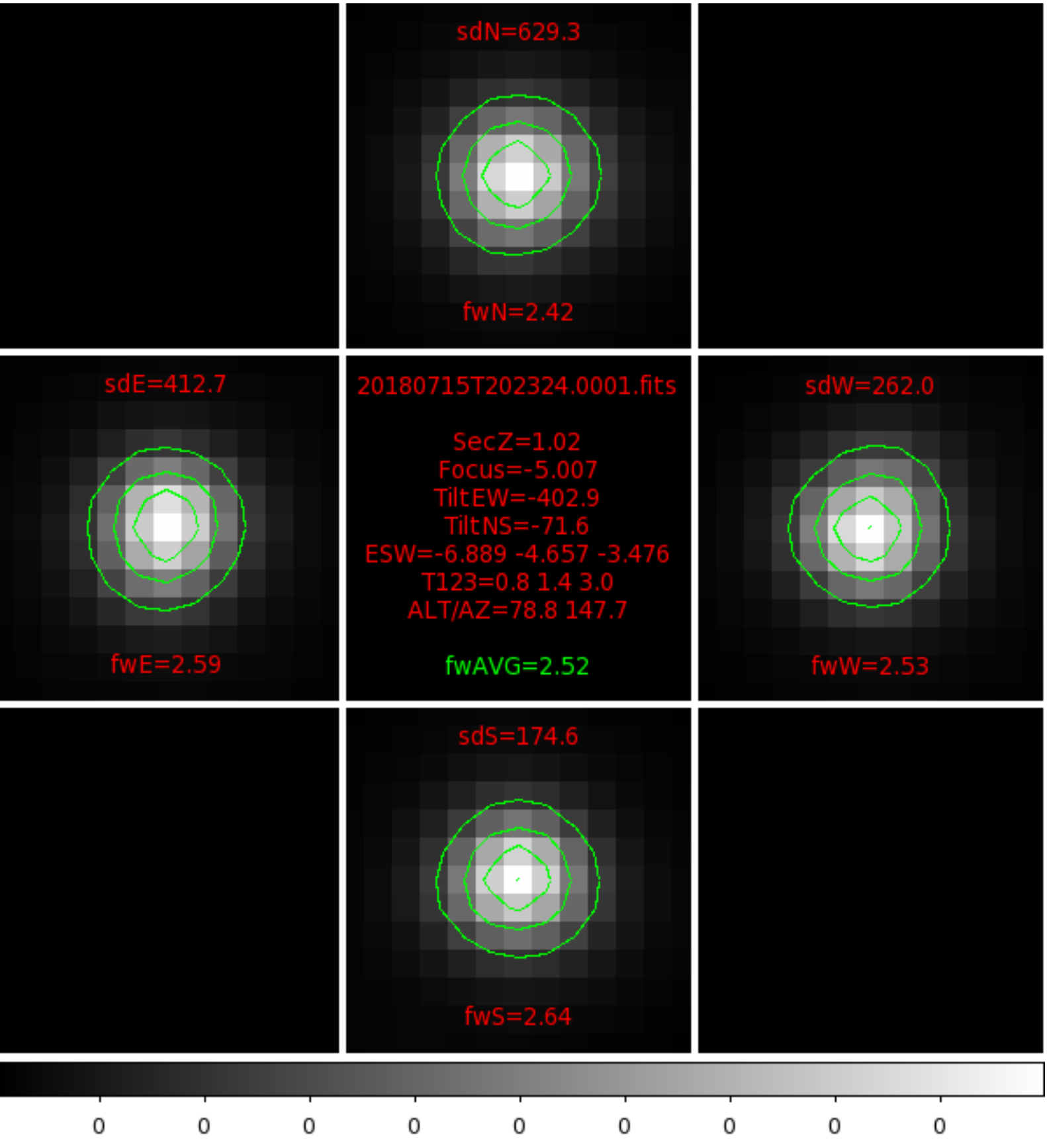
sdN=629.3
fwN=2.42
sdE=412.7
fwE=2.59
20180715T202324.0001.fits
SecZ=1.02
Focus=-5.007
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.889 -4.657 -3.476
T123=0.8 1.4 3.0
ALT/AZ=78.8 147.7
fwAVG=2.52
sdW=262.0
fwW=2.53
sdS=174.6
fwS=2.64
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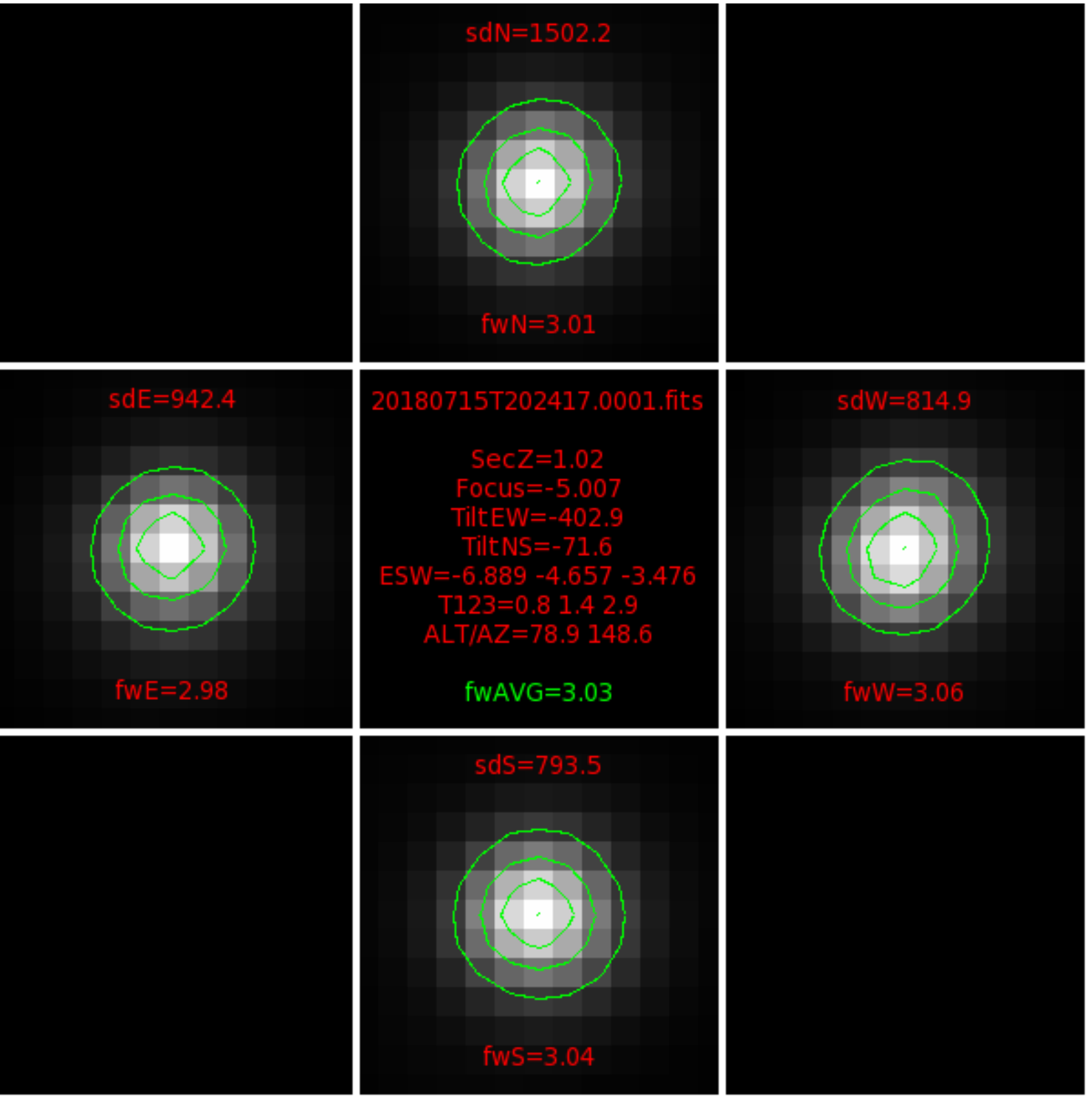
sdN=1502.2
fwN=3.01
sdE=942.4
fwE=2.98
20180715T202417.0001.fits
SecZ=1.02
Focus=-5.007
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.889 -4.657 -3.476
T123=0.8 1.4 2.9
ALT/AZ=78.9 148.6
fwAVG=3.03
sdW=814.9
fwW=3.06
sdS=793.5
fwS=3.04
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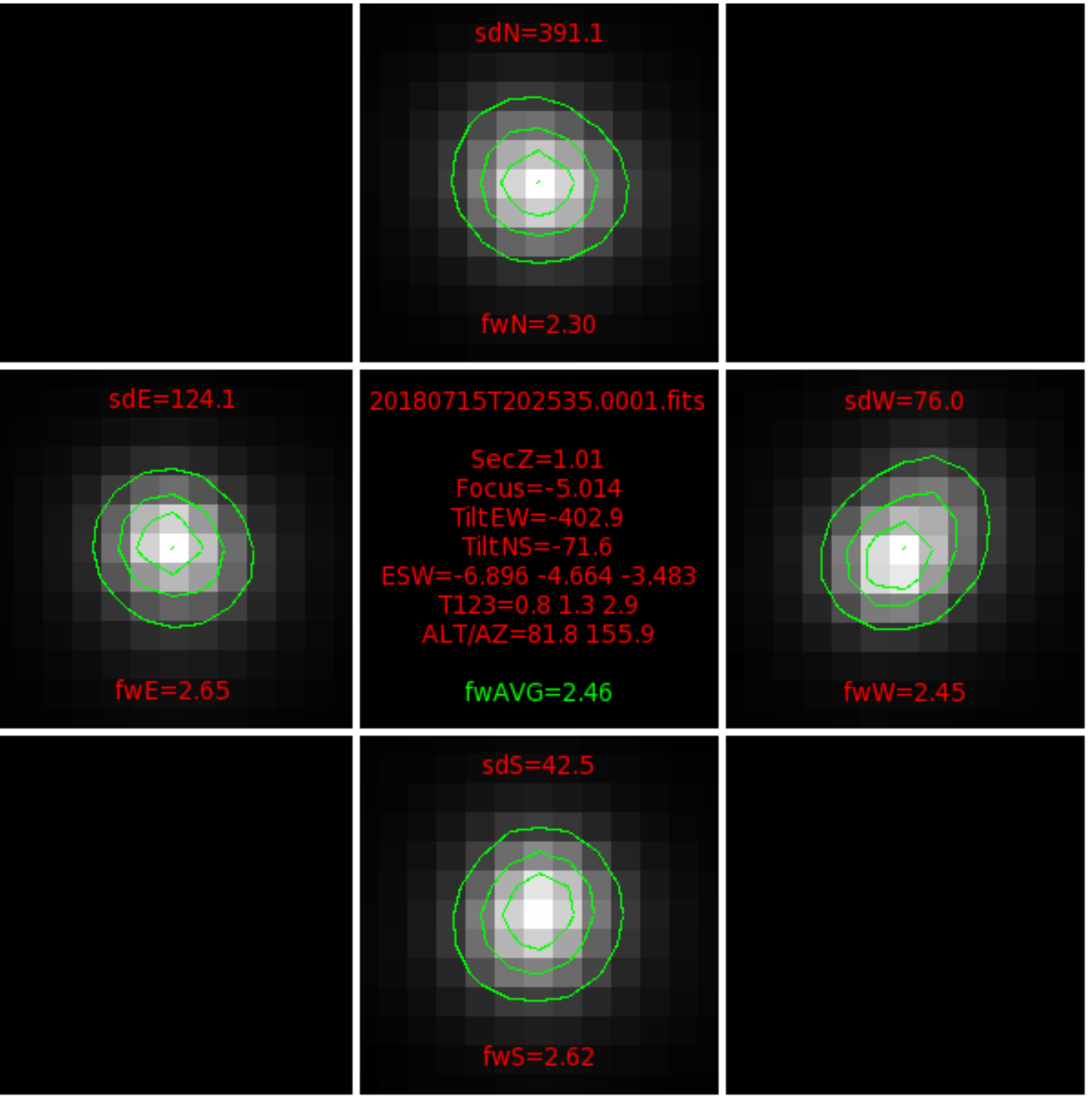
sdN=391.1
fwN=2.30
sdE=124.1
fwE=2.65
20180715T202535.0001.fits
SecZ=1.01
Focus=-5.014
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.896 -4.664 -3.483
T123=0.8 1.3 2.9
ALT/AZ=81.8 155.9
fwAVG=2.46
sdW=76.0
fwW=2.45
sdS=42.5
fwS=2.62
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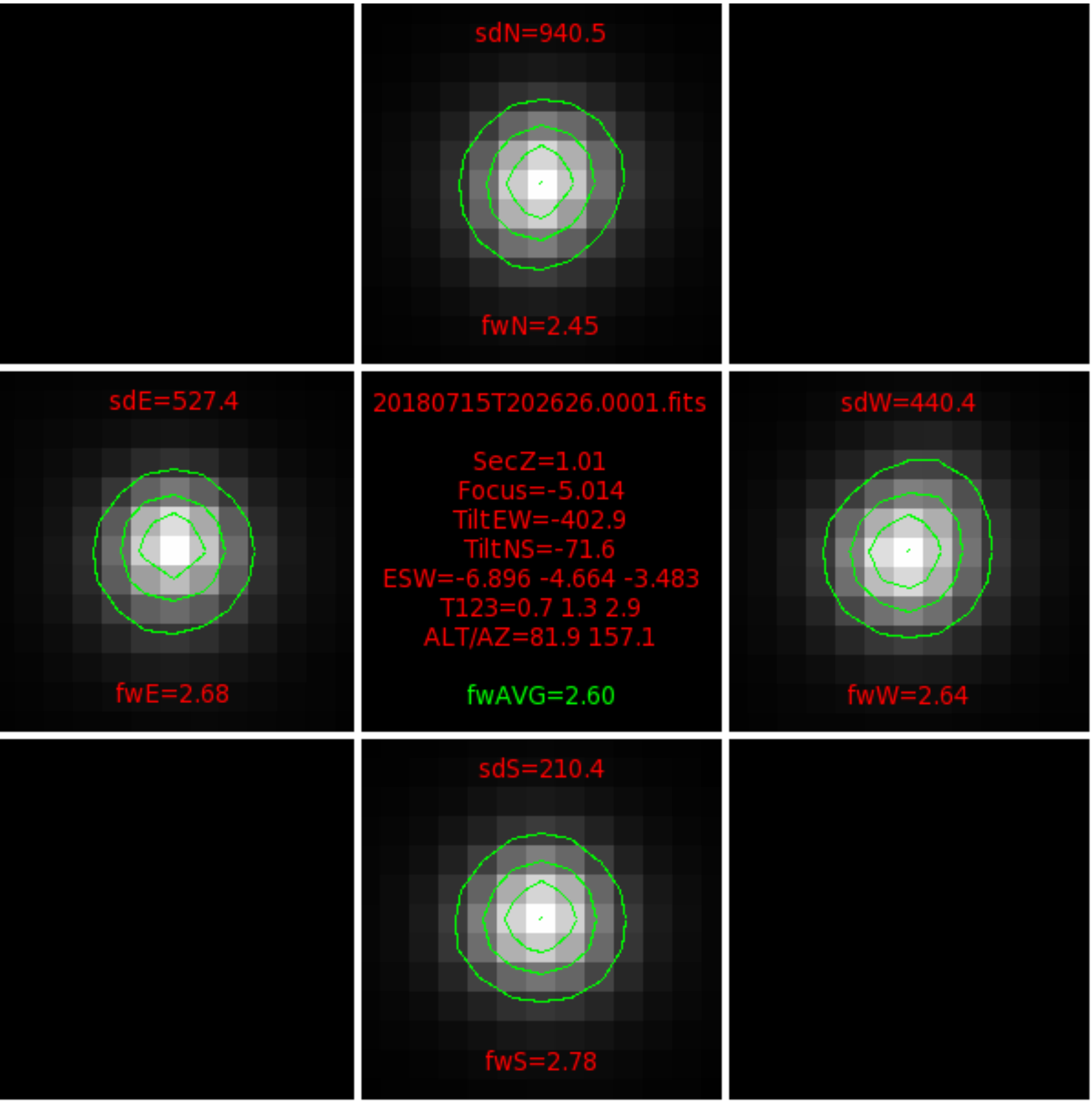
sdN=940.5
fwN=2.45
sdE=527.4
fwE=2.68
20180715T202626.0001.fits
SecZ=1.01
Focus=-5.014
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.896 -4.664 -3.483
T123=0.7 1.3 2.9
ALT/AZ=81.9 157.1
fwAVG=2.60
sdW=440.4
fwW=2.64
sdS=210.4
fwS=2.78
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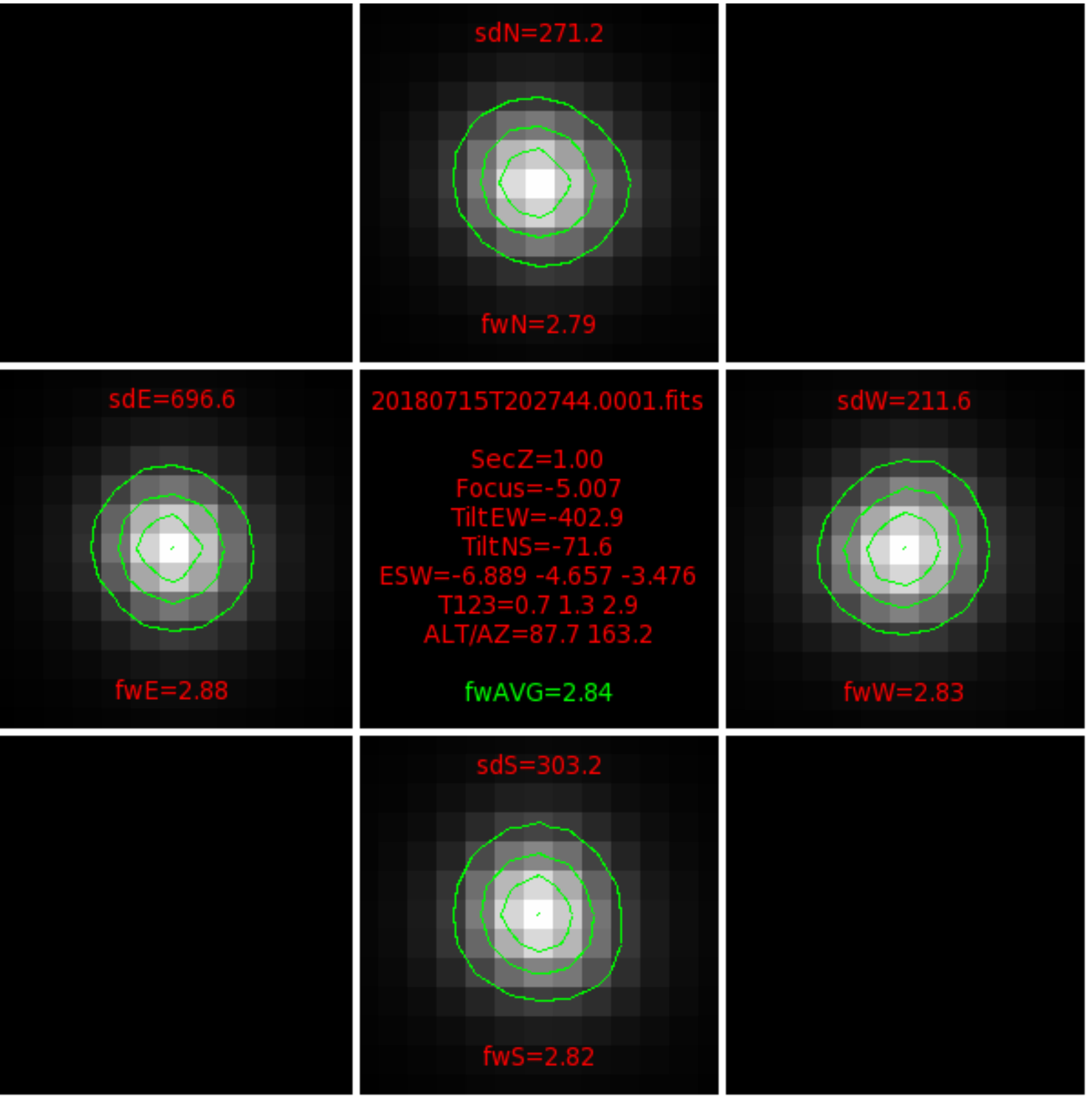
sdN=271.2
fwN=2.79
sdE=696.6
fwE=2.88
20180715T202744.0001.fits
SecZ=1.00
Focus=-5.007
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.889 -4.657 -3.476
T123=0.7 1.3 2.9
ALT/AZ=87.7 163.2
fwAVG=2.84
sdW=211.6
fwW=2.83
sdS=303.2
fwS=2.82
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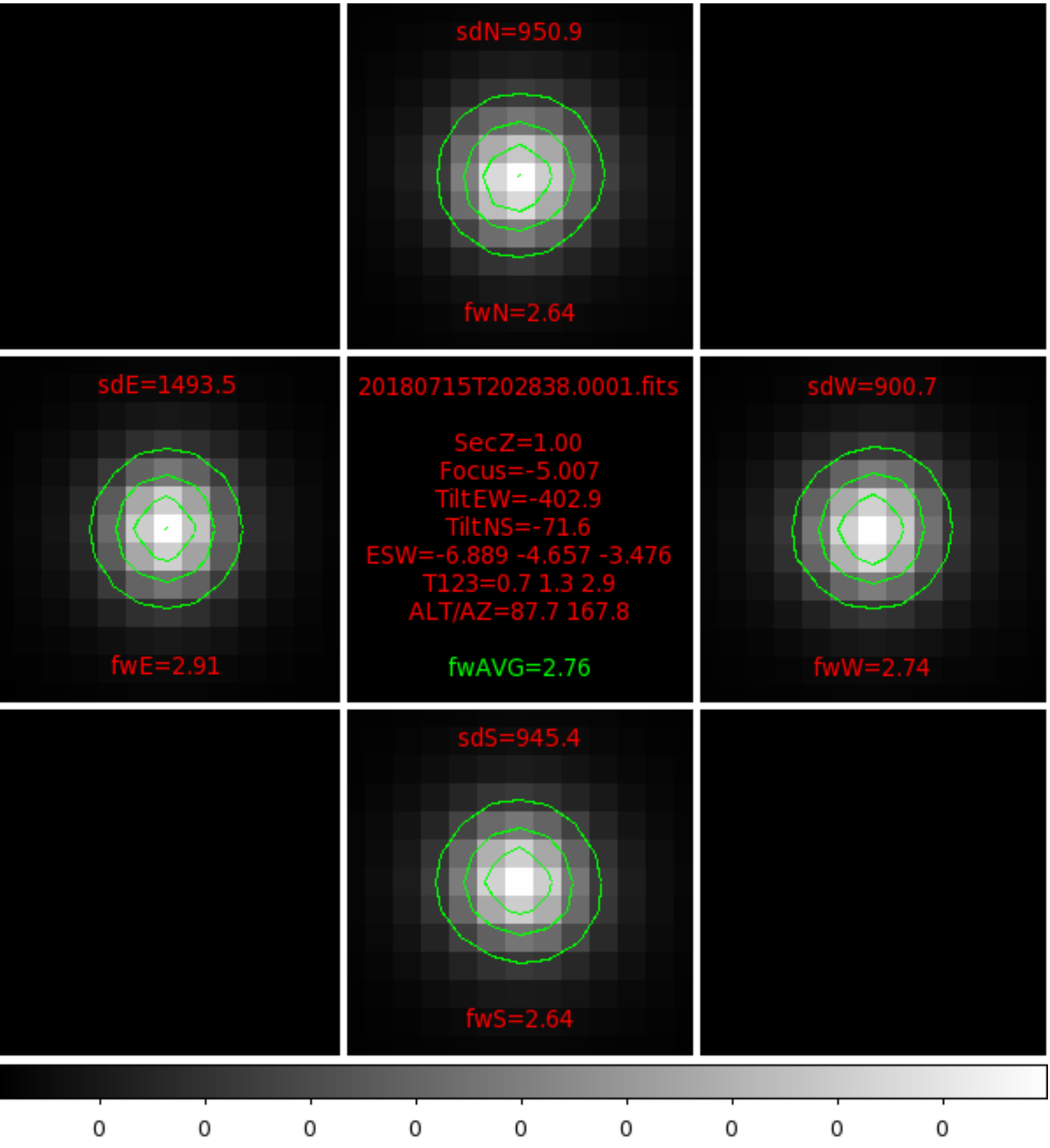
sdN=950.9
fwN=2.64
sdE=1493.5
fwE=2.91
20180715T202838.0001.fits
SecZ=1.00
Focus=-5.007
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.889 -4.657 -3.476
T123=0.7 1.3 2.9
ALT/AZ=87.7 167.8
fwAVG=2.76
sdW=900.7
fwW=2.74
sdS=945.4
fwS=2.64
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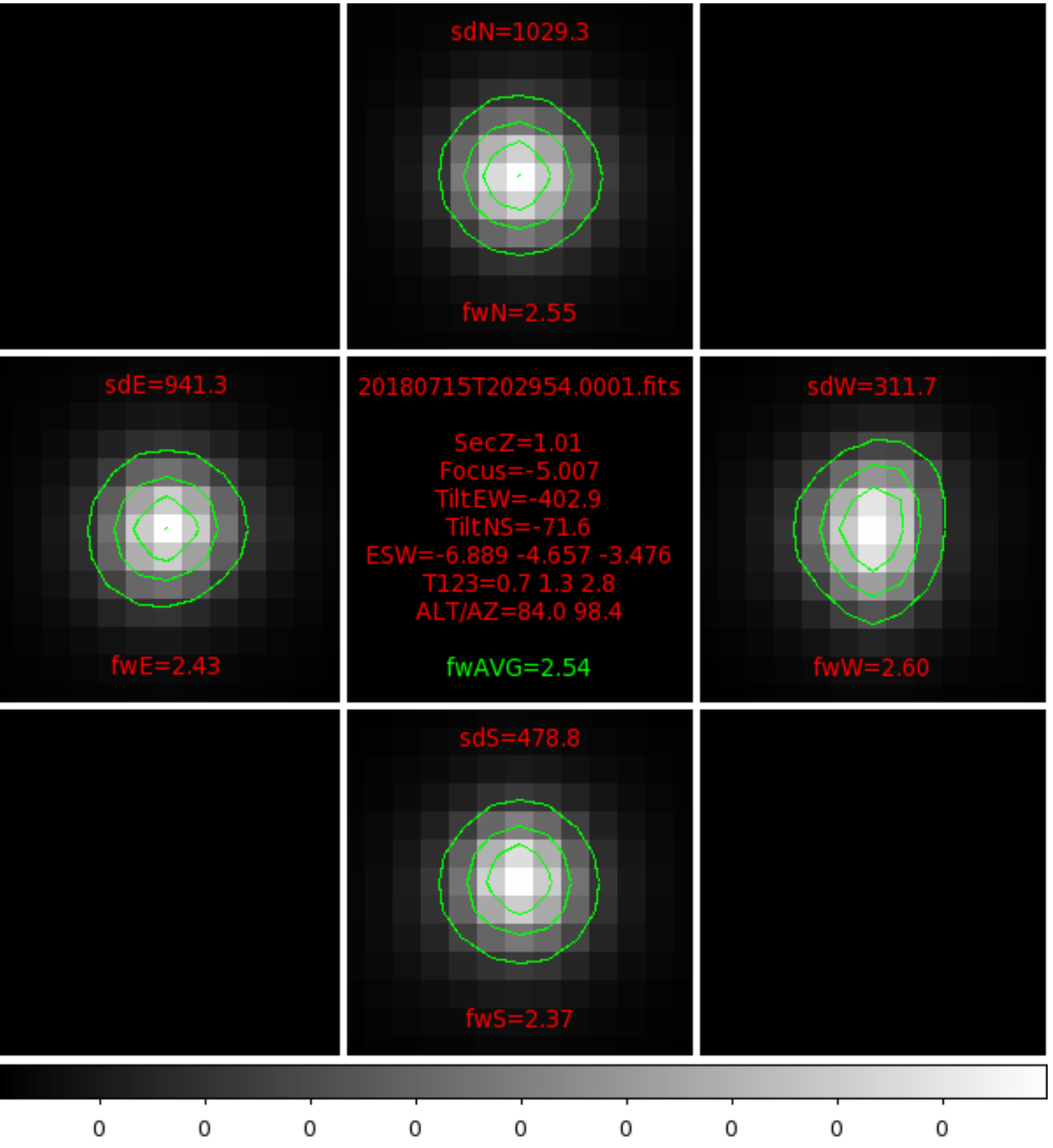
sdN=1029.3
fwN=2.55
sdE=941.3
fwE=2.43
20180715T202954.0001.fits
SecZ=1.01
Focus=-5.007
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.889 -4.657 -3.476
T123=0.7 1.3 2.8
ALT/AZ=84.0 98.4
fwAVG=2.54
sdW=311.7
fwW=2.60
sdS=478.8
fwS=2.37
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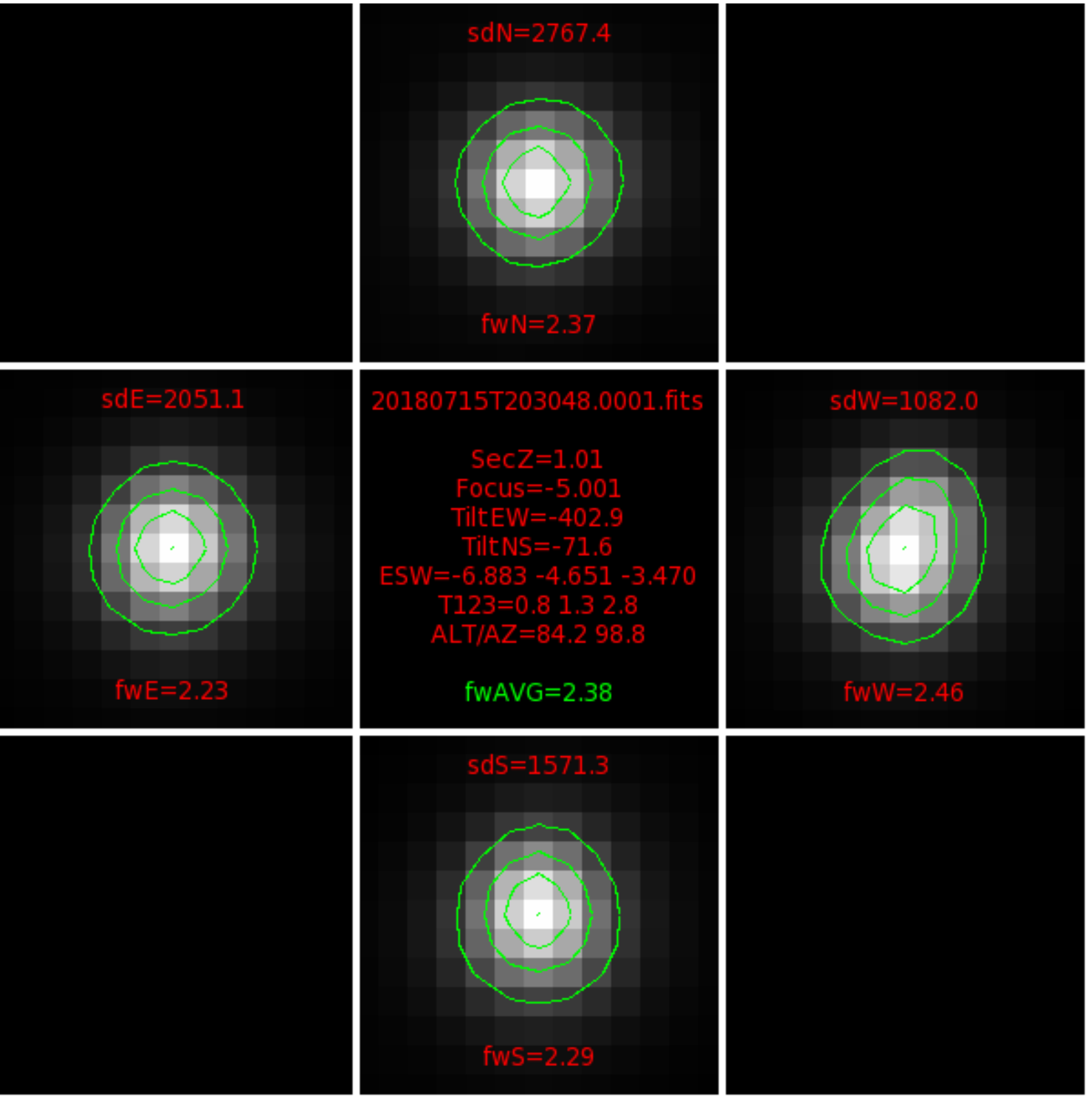
sdN=2767.4
fwN=2.37
sdE=2051.1
fwE=2.23
20180715T203048.0001.fits
SecZ=1.01
Focus=-5.001
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.883 -4.651 -3.470
T123=0.8 1.3 2.8
ALT/AZ=84.2 98.8
fwAVG=2.38
sdW=1082.0
fwW=2.46
sdS=1571.3
fwS=2.29
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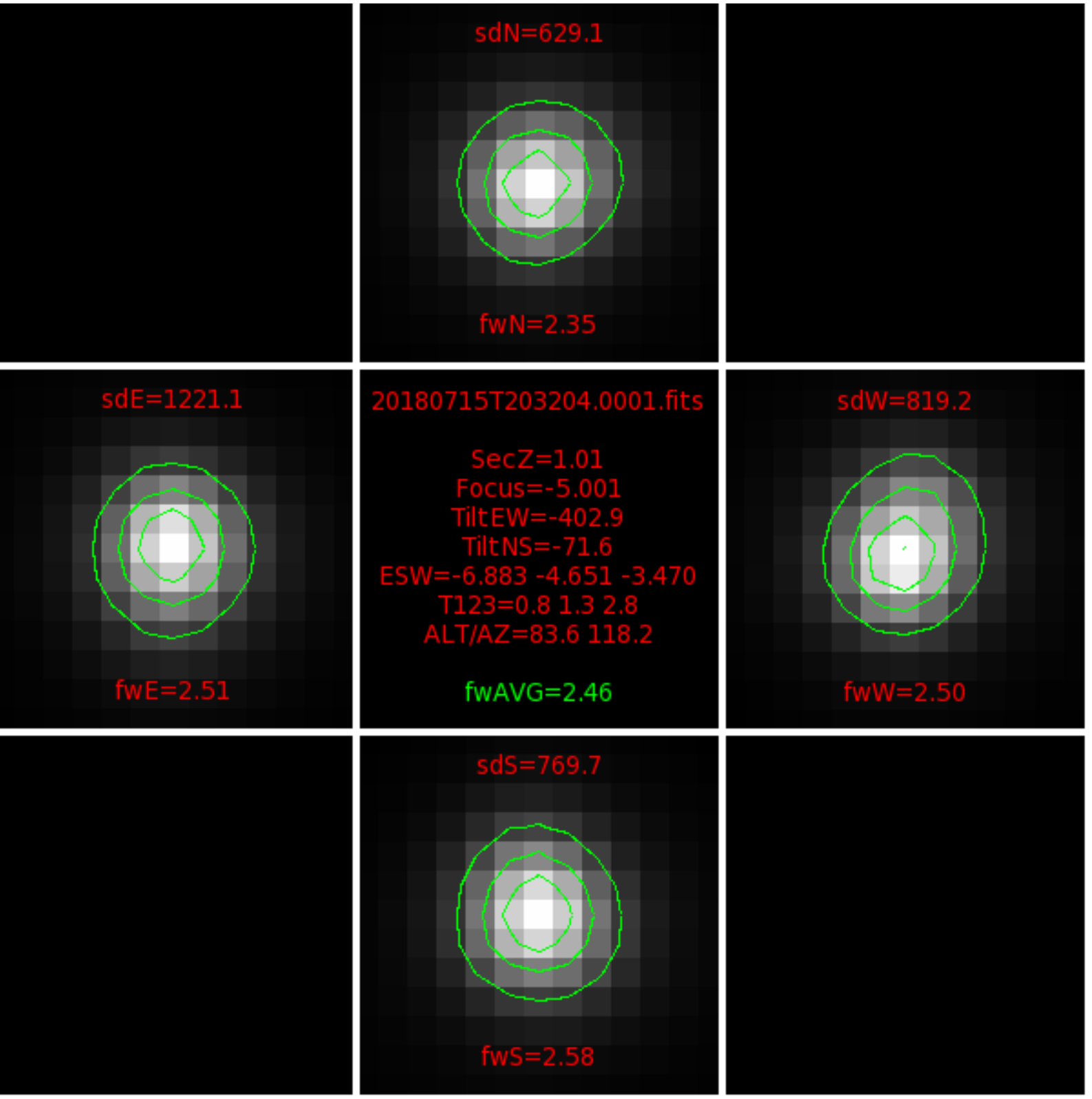
sdN=629.1
fwN=2.35
sdE=1221.1
fwE=2.51
20180715T203204.0001.fits
SecZ=1.01
Focus=-5.001
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.883 -4.651 -3.470
T123=0.8 1.3 2.8
ALT/AZ=83.6 118.2
fwAVG=2.46
sdW=819.2
fwW=2.50
sdS=769.7
fwS=2.58
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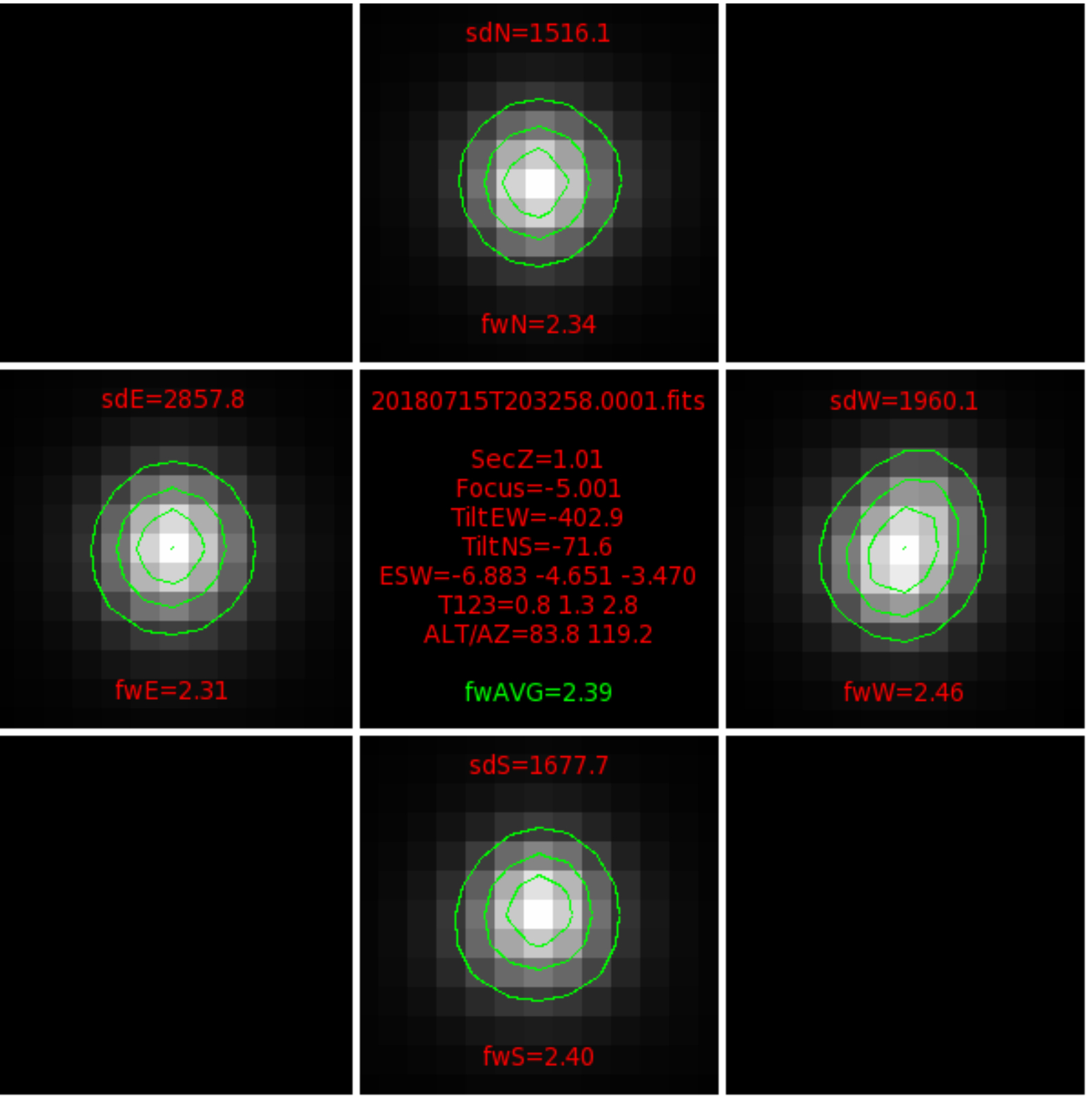
sdN=1516.1
fwN=2.34
sdE=2857.8
fwE=2.31
20180715T203258.0001.fits
SecZ=1.01
Focus=-5.001
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.883 -4.651 -3.470
T123=0.8 1.3 2.8
ALT/AZ=83.8 119.2
fwAVG=2.39
sdW=1960.1
fwW=2.46
sdS=1677.7
fwS=2.40
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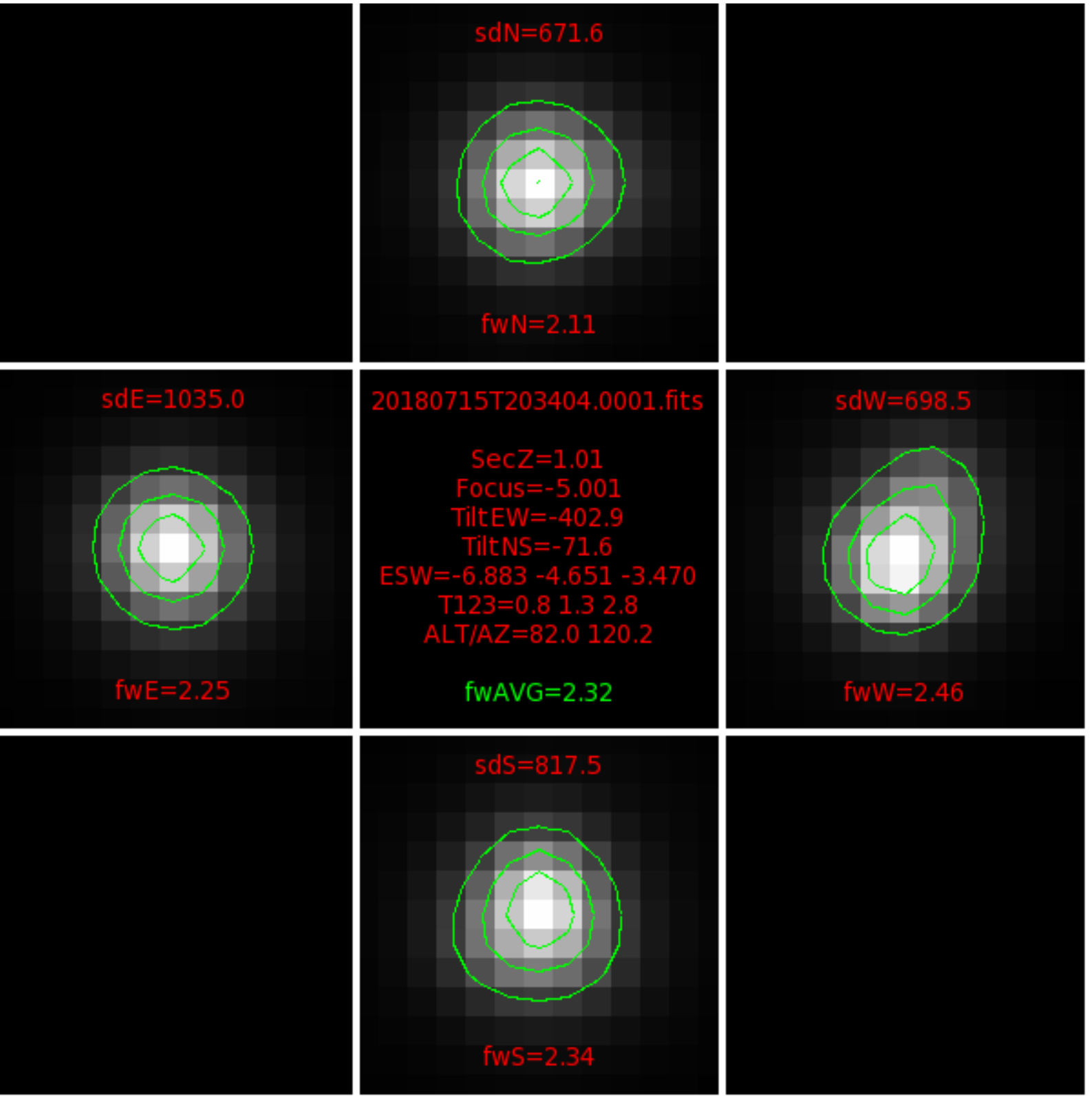
sdN=671.6
fwN=2.11
sdE=1035.0
fwE=2.25
20180715T203404.0001.fits
SecZ=1.01
Focus=-5.001
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.883 -4.651 -3.470
T123=0.8 1.3 2.8
ALT/AZ=82.0 120.2
fwAVG=2.32
sdW=698.5
fwW=2.46
sdS=817.5
fwS=2.34
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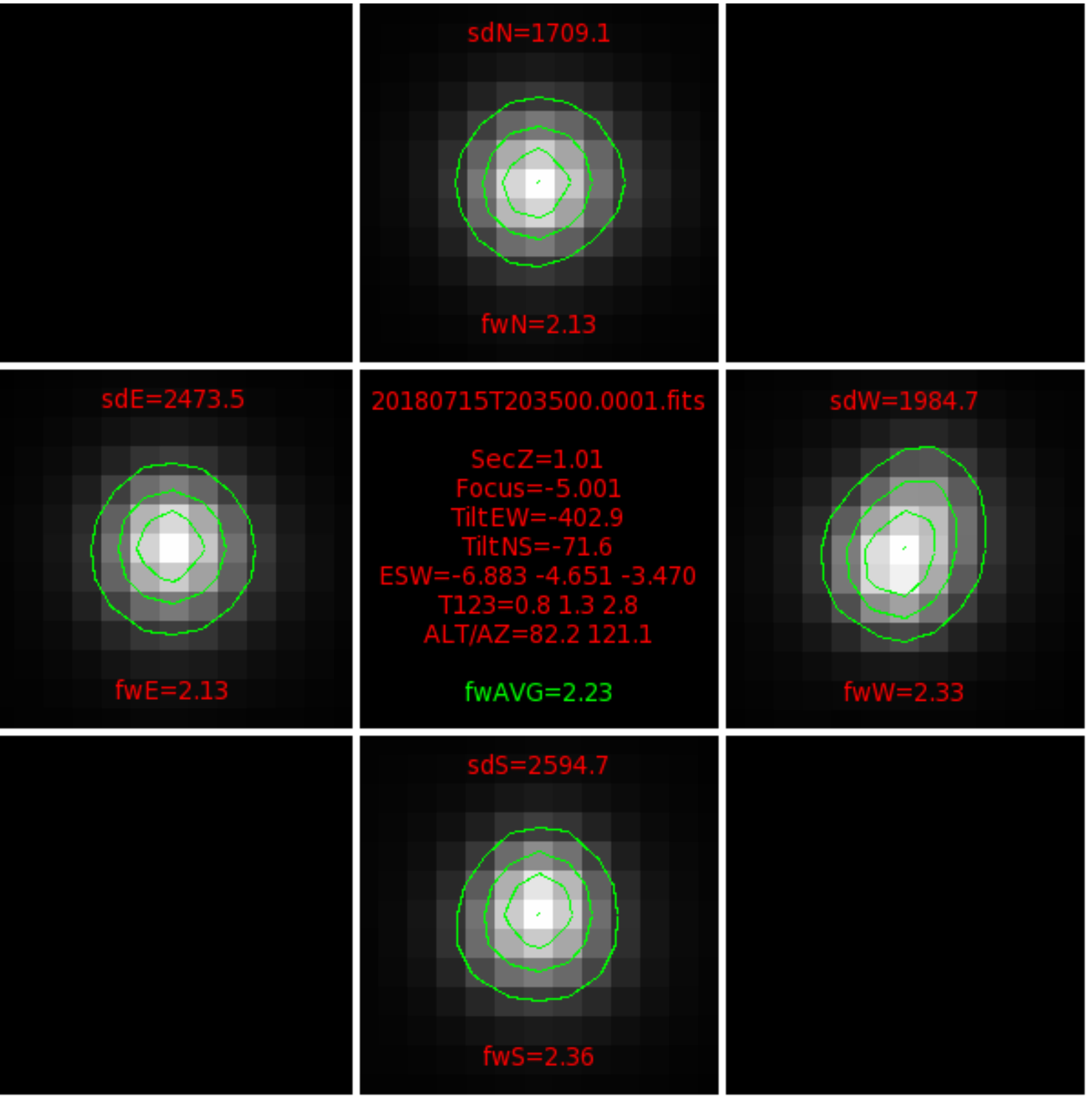
sdN=1709.1
fwN=2.13
sdE=2473.5
fwE=2.13
20180715T203500.0001.fits
SecZ=1.01
Focus=-5.001
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.883 -4.651 -3.470
T123=0.8 1.3 2.8
ALT/AZ=82.2 121.1
fwAVG=2.23
sdW=1984.7
fwW=2.33
sdS=2594.7
fwS=2.36
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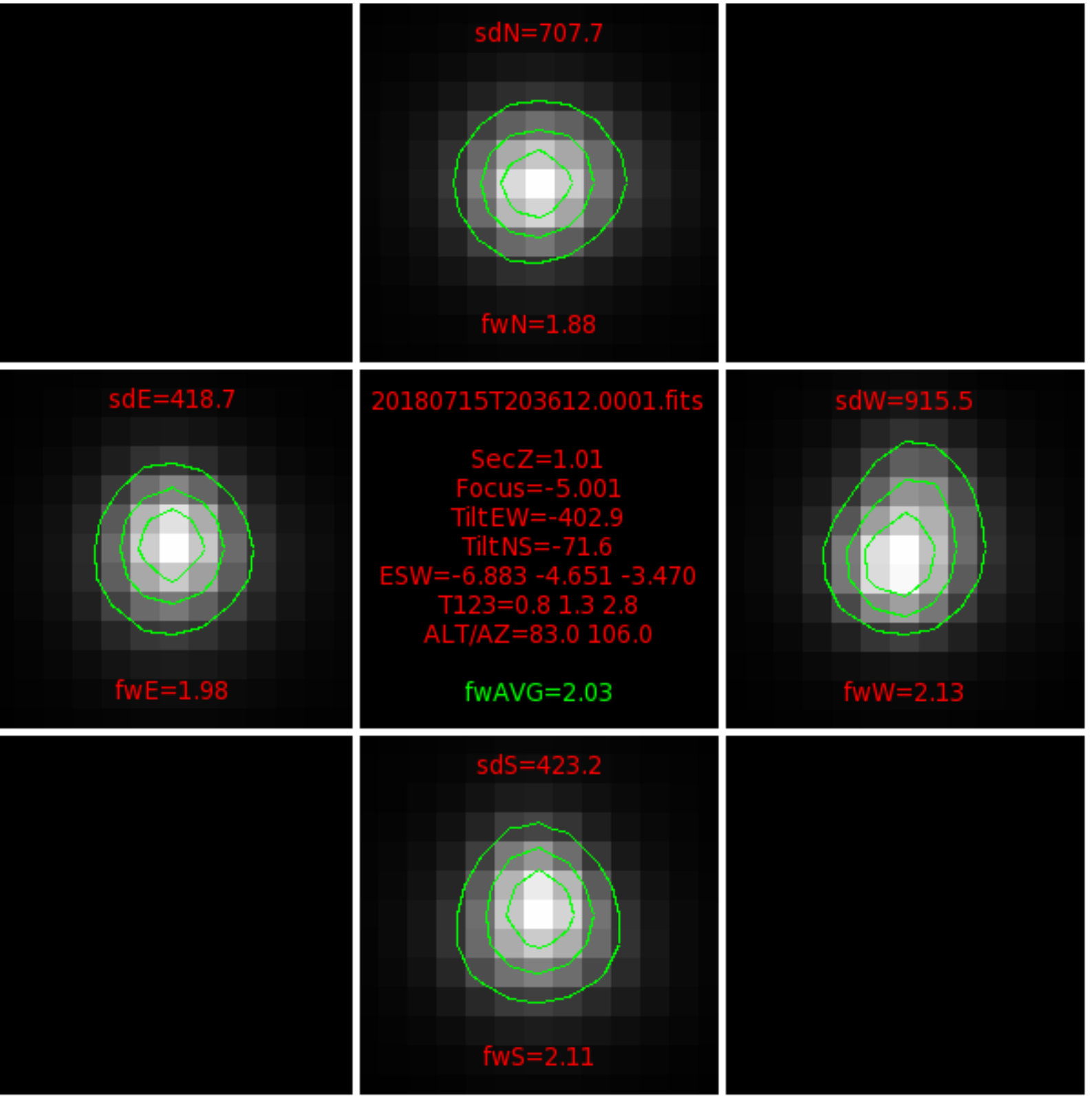
sdN=707.7
fwN=1.88
sdE=418.7
fwE=1.98
20180715T203612.0001.fits
SecZ=1.01
Focus=-5.001
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.883 -4.651 -3.470
T123=0.8 1.3 2.8
ALT/AZ=83.0 106.0
fwAVG=2.03
sdW=915.5
fwW=2.13
sdS=423.2
fwS=2.11
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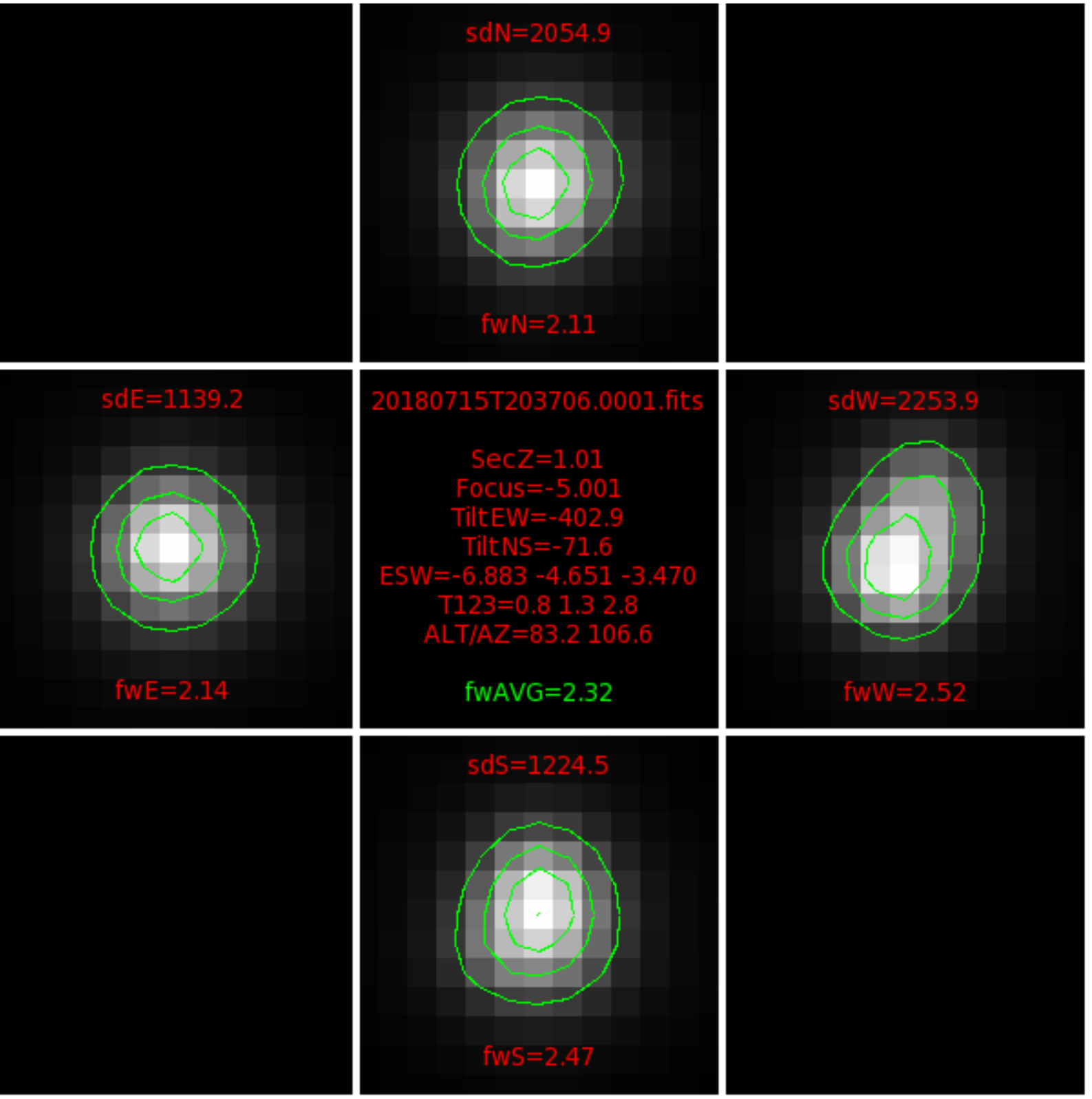
sdN=2054.9
fwN=2.11
sdE=1139.2
fwE=2.14
20180715T203706.0001.fits
SecZ=1.01
Focus=-5.001
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.883 -4.651 -3.470
T123=0.8 1.3 2.8
ALT/AZ=83.2 106.6
fwAVG=2.32
sdW=2253.9
fwW=2.52
sdS=1224.5
fwS=2.47
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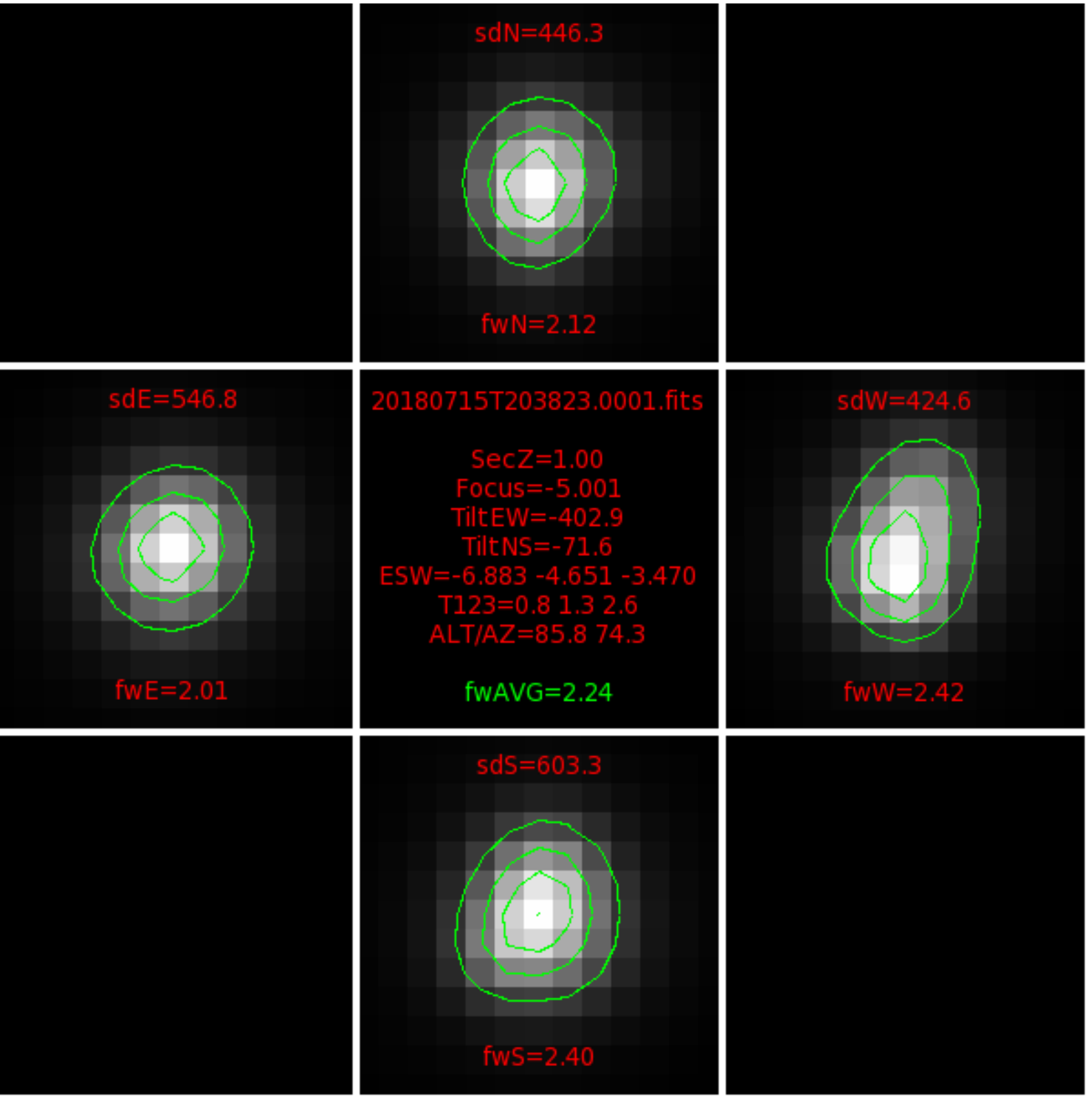
sdN=446.3
fwN=2.12
sdE=546.8
fwE=2.01
20180715T203823.0001.fits
SecZ=1.00
Focus=-5.001
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.883 -4.651 -3.470
T123=0.8 1.3 2.6
ALT/AZ=85.8 74.3
fwAVG=2.24
sdW=424.6
fwW=2.42
sdS=603.3
fwS=2.40
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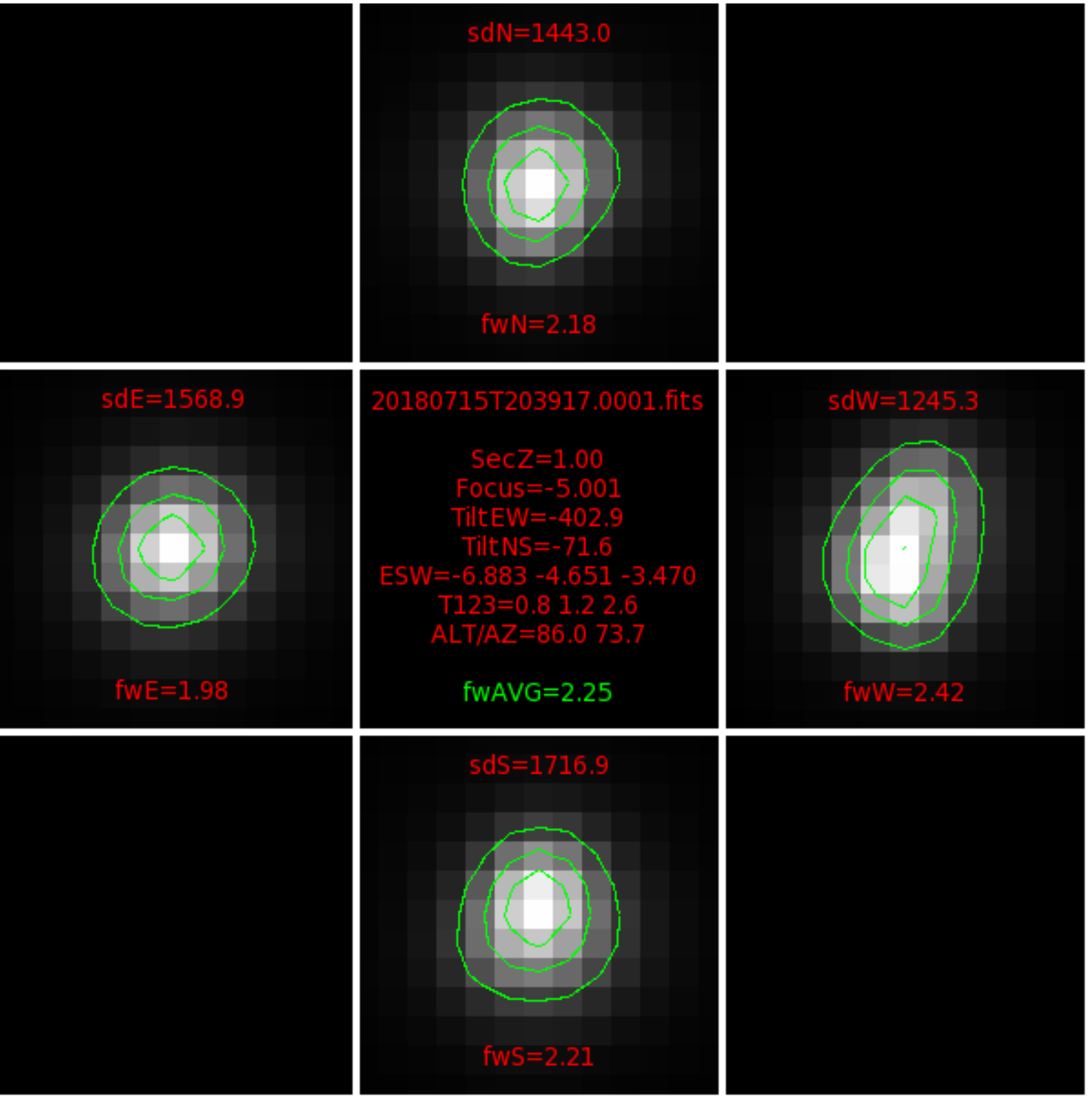
sdN=1443.0
fwN=2.18
sdE=1568.9
fwE=1.98
20180715T203917.0001.fits
SecZ=1.00
Focus=-5.001
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.883 -4.651 -3.470
T123=0.8 1.2 2.6
ALT/AZ=86.0 73.7
fwAVG=2.25
sdW=1245.3
fwW=2.42
sdS=1716.9
fwS=2.21
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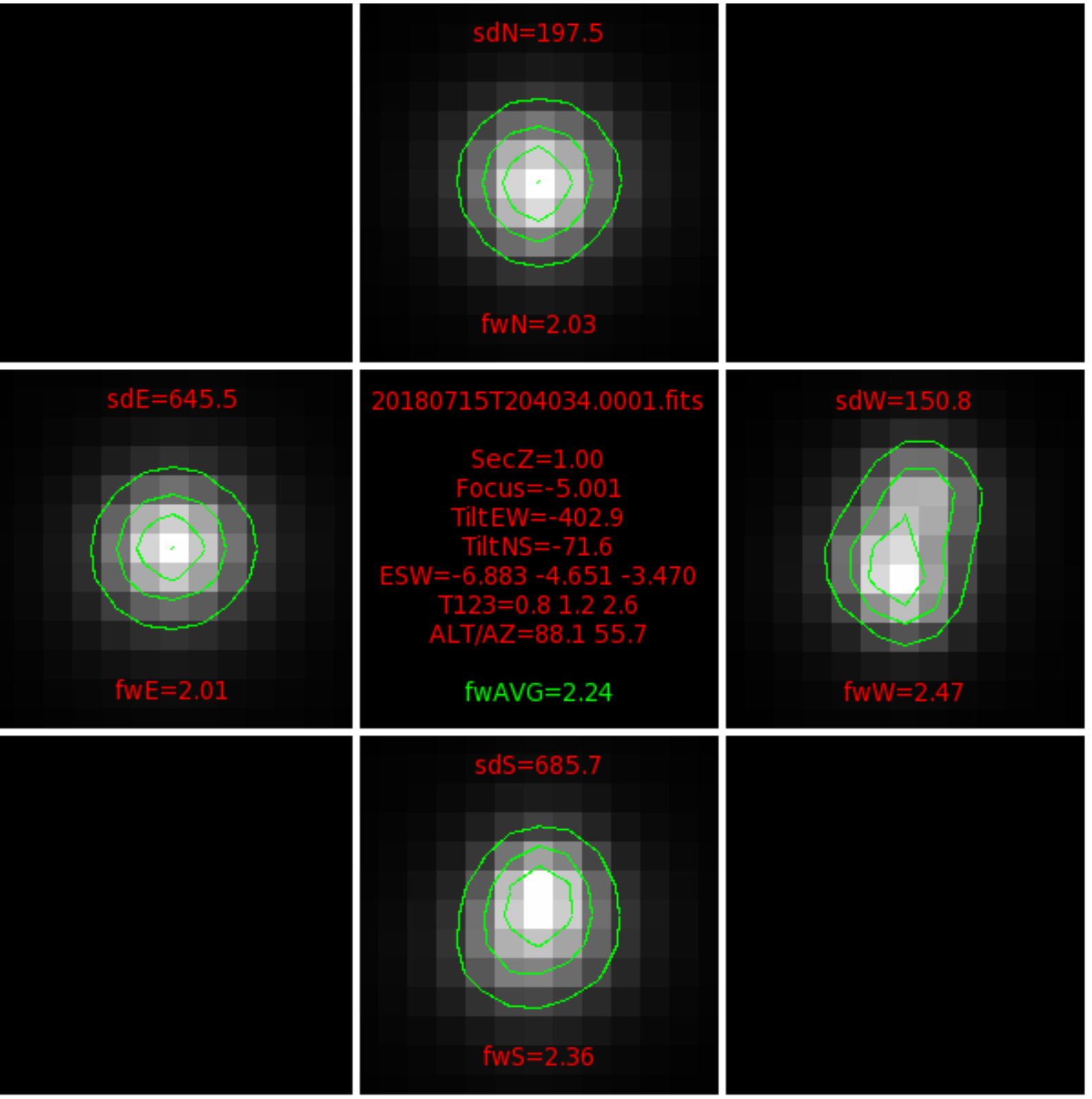
sdN=197.5
fwN=2.03
sdE=645.5
fwE=2.01
20180715T204034.0001.fits
SecZ=1.00
Focus=-5.001
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.883 -4.651 -3.470
T123=0.8 1.2 2.6
ALT/AZ=88.1 55.7
fwAVG=2.24
sdW=150.8
fwW=2.47
sdS=685.7
fwS=2.36
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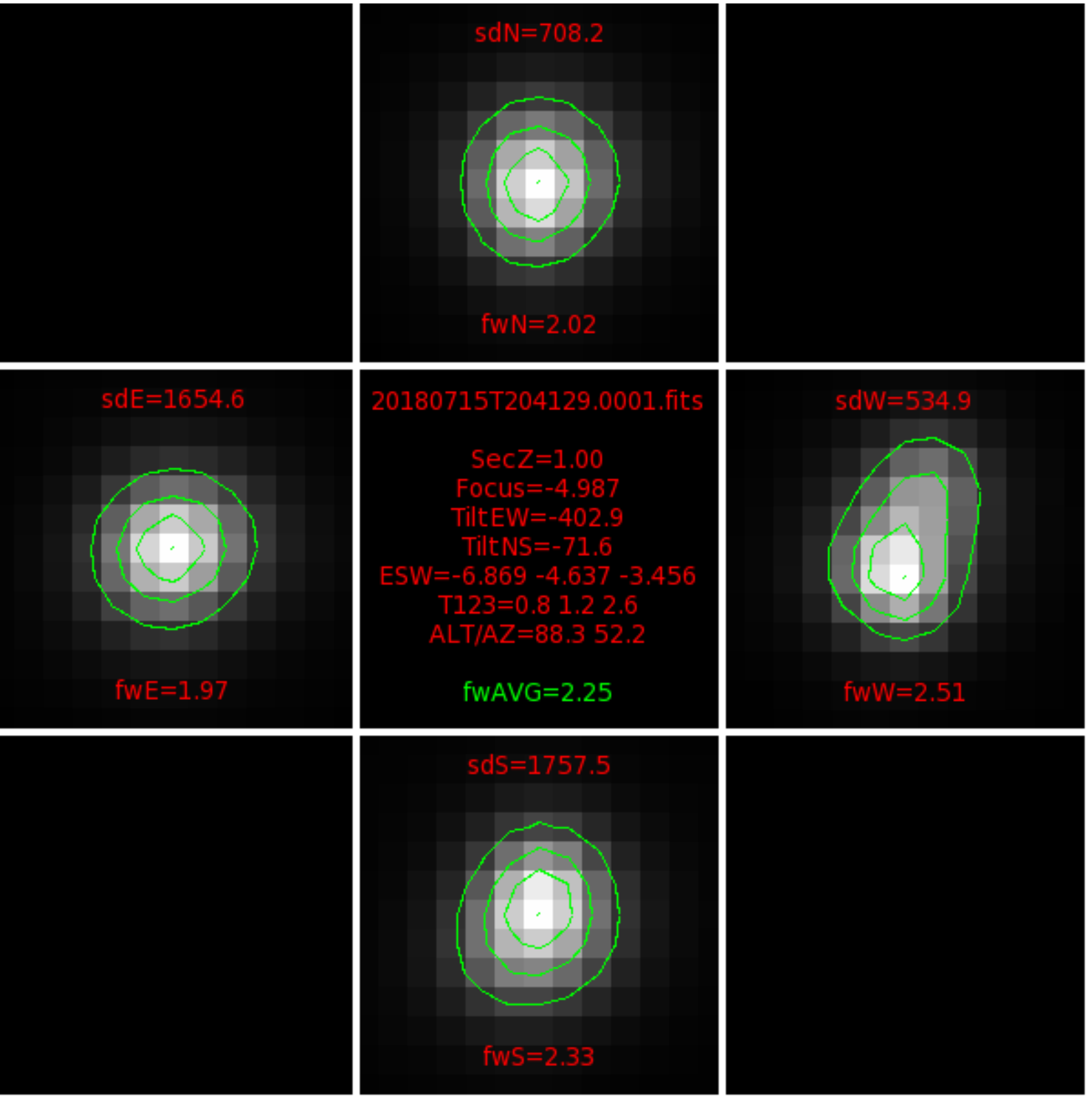
sdN=708.2
fwN=2.02
sdE=1654.6
fwE=1.97
20180715T204129.0001.fits
SecZ=1.00
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.8 1.2 2.6
ALT/AZ=88.3 52.2
fwAVG=2.25
sdW=534.9
fwW=2.51
sdS=1757.5
fwS=2.33
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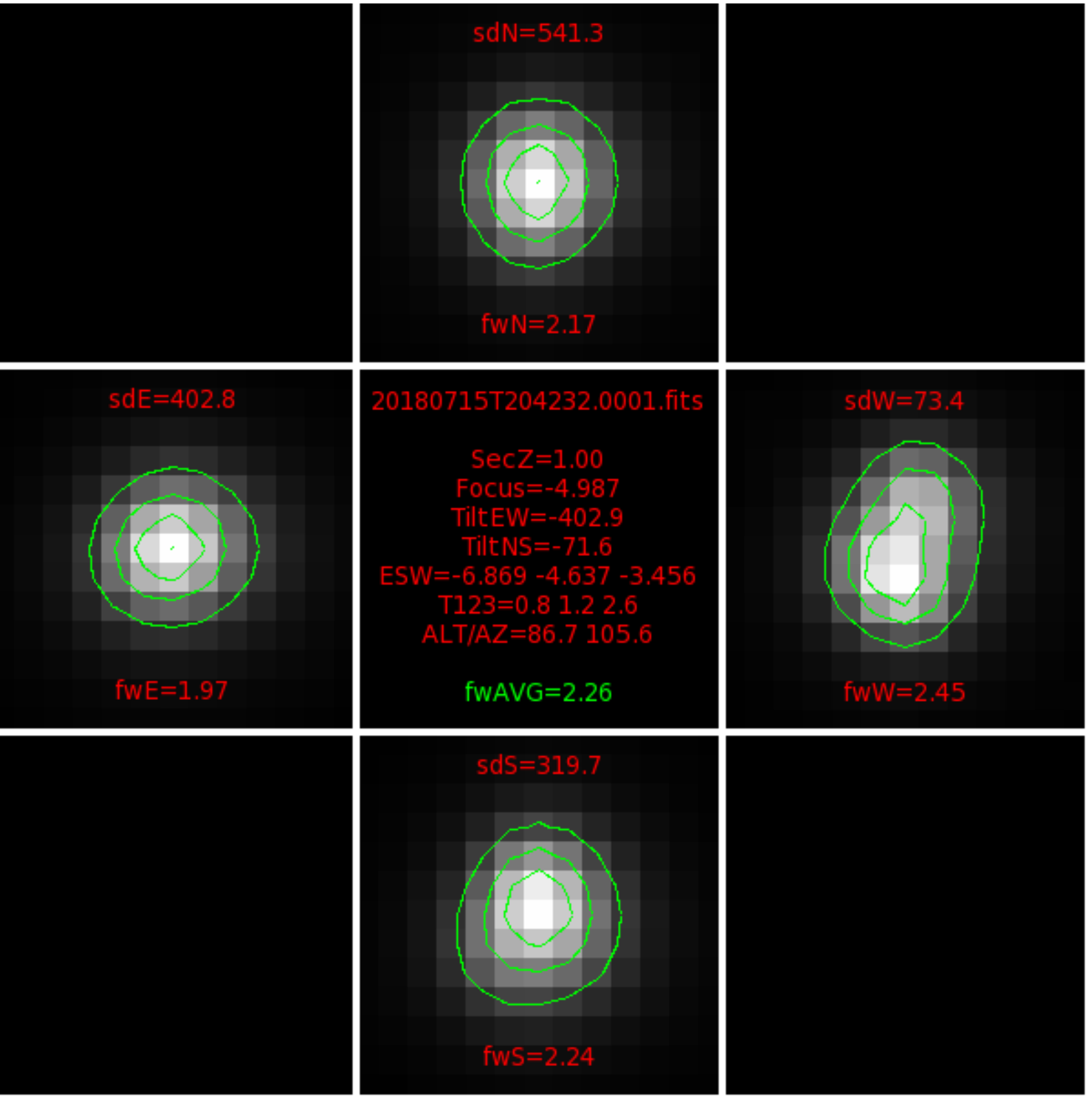
sdN=541.3
fwN=2.17
sdE=402.8
fwE=1.97
20180715T204232.0001.fits
SecZ=1.00
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.8 1.2 2.6
ALT/AZ=86.7 105.6
fwAVG=2.26
sdW=73.4
fwW=2.45
sdS=319.7
fwS=2.24
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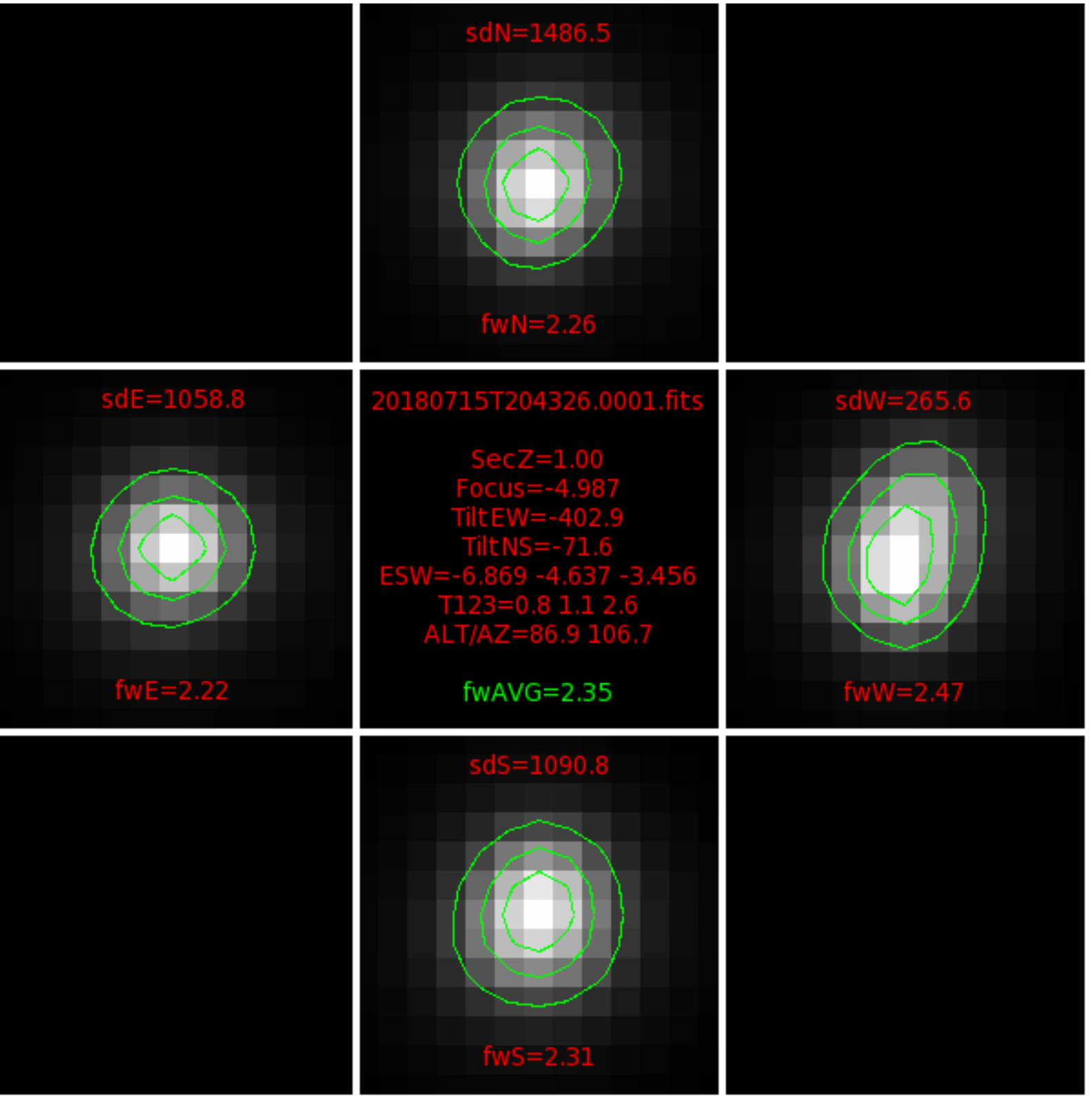
sdN=1486.5
fwN=2.26
sdE=1058.8
fwE=2.22
20180715T204326.0001.fits
SecZ=1.00
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.8 1.1 2.6
ALT/AZ=86.9 106.7
fwAVG=2.35
sdW=265.6
fwW=2.47
sdS=1090.8
fwS=2.31
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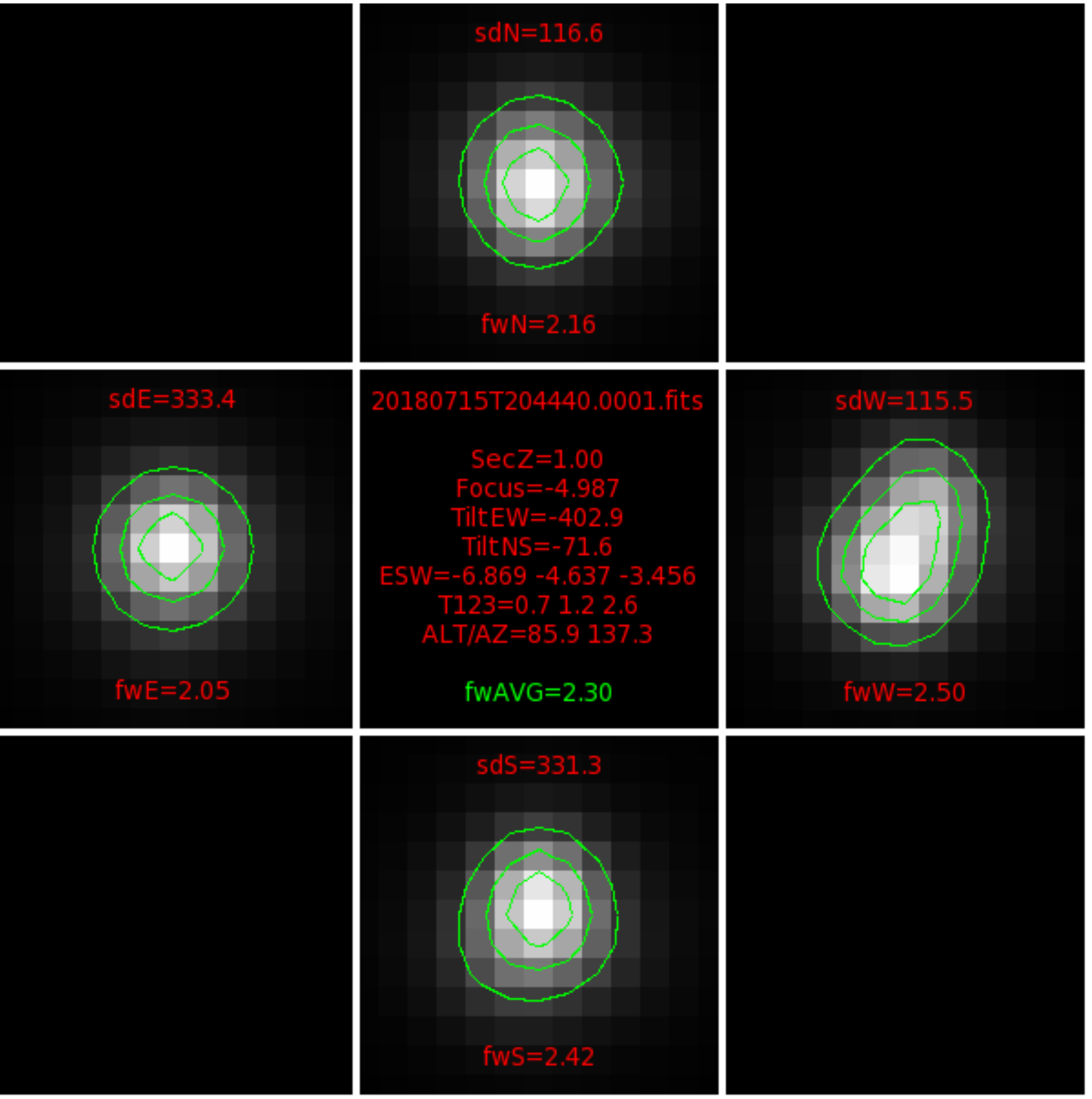
sdN=116.6
fwN=2.16
sdE=333.4
fwE=2.05
20180715T204440.0001.fits
SecZ=1.00
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.7 1.2 2.6
ALT/AZ=85.9 137.3
fwAVG=2.30
sdW=115.5
fwW=2.50
sdS=331.3
fwS=2.42
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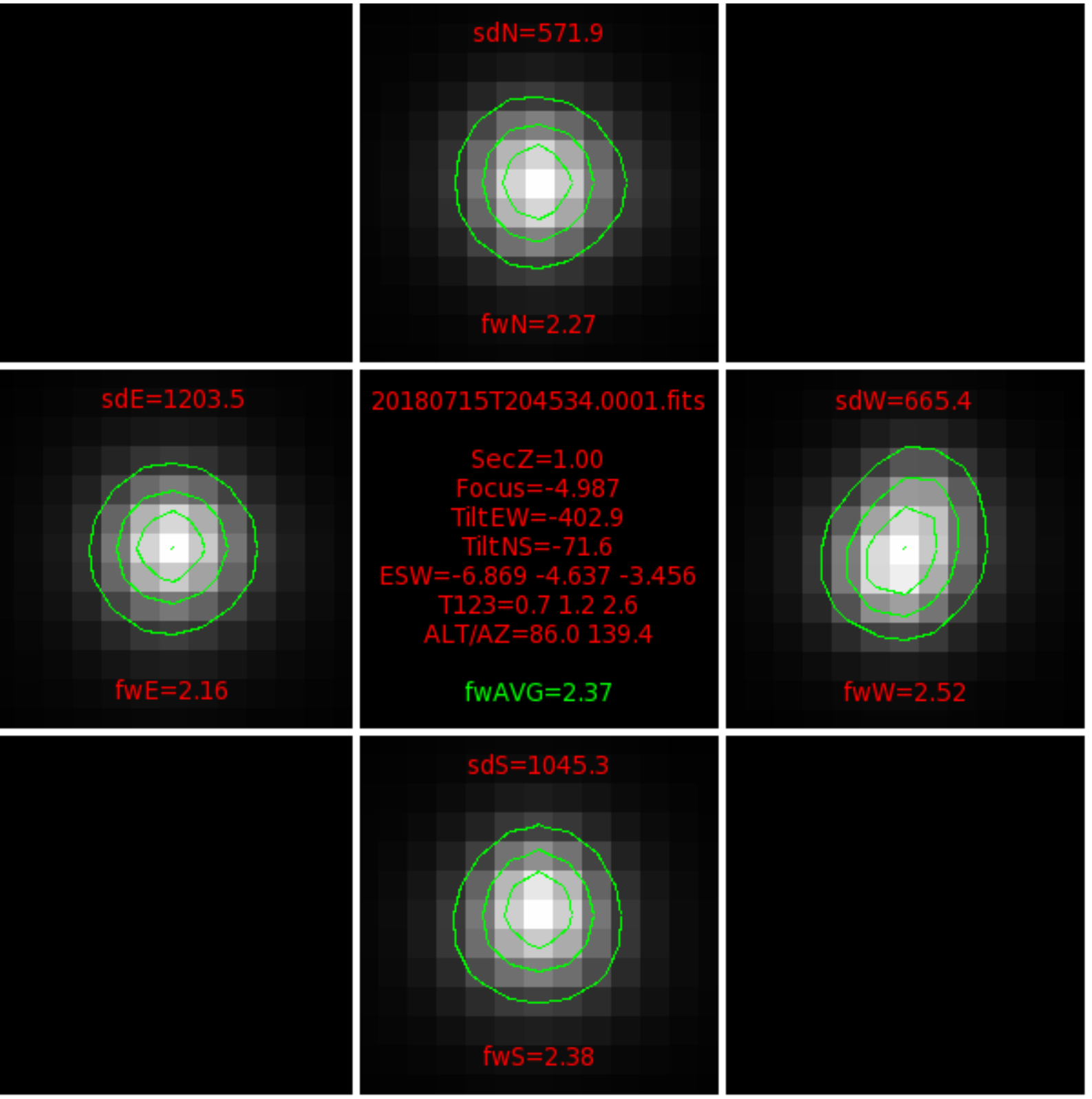
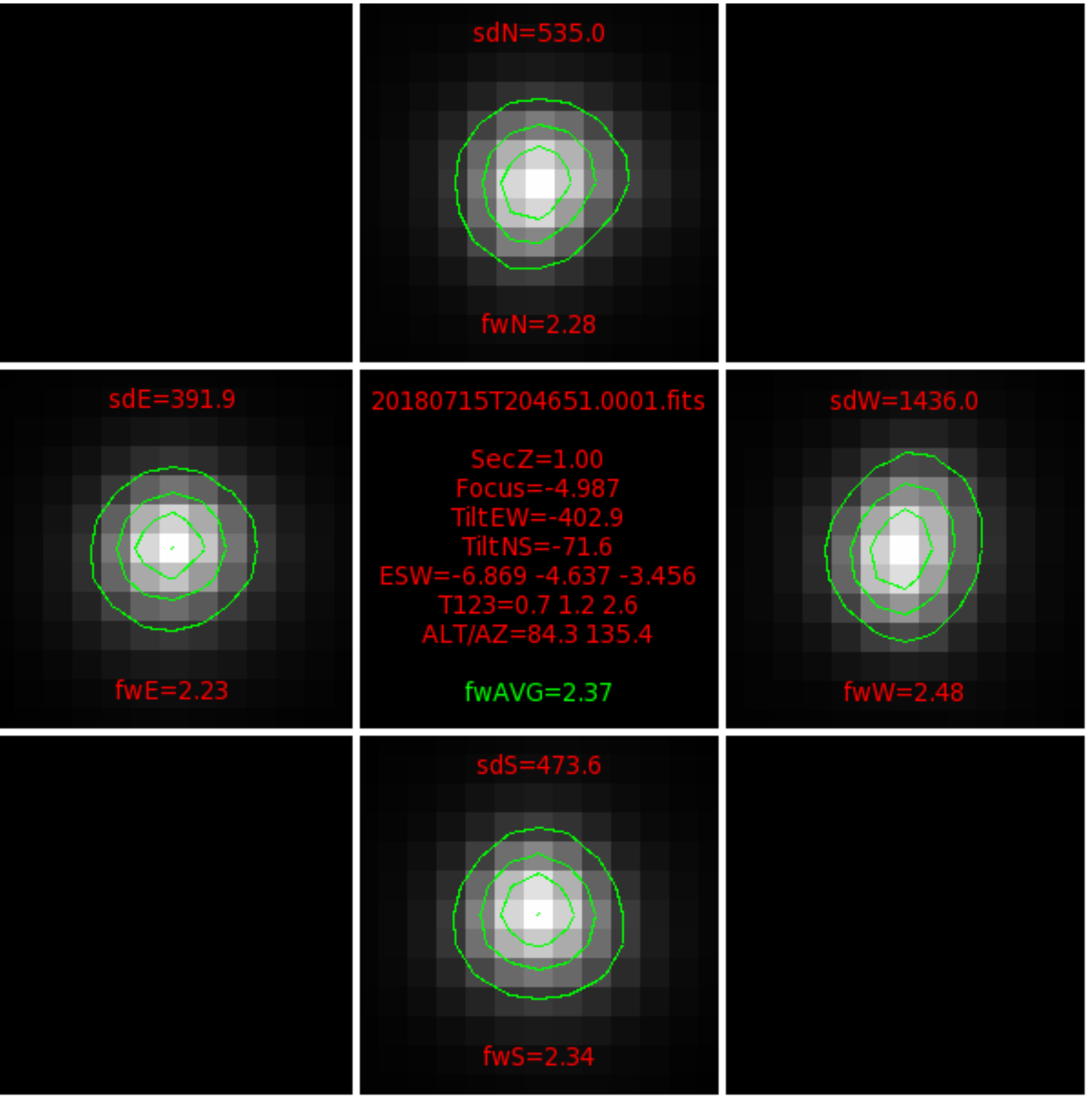

sdN=571.9
fwN=2.27
sdE=1203.5
fwE=2.16
20180715T204534.0001.fits
SecZ=1.00
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.7 1.2 2.6
ALT/AZ=86.0 139.4
fwAVG=2.37
sdW=665.4
fwW=2.52
sdS=1045.3
fwS=2.38
0 0 0 0 0 0 0 0 0


sdN=535.0
fwN=2.28
sdE=391.9
fwE=2.23
20180715T204651.0001.fits
SecZ=1.00
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.7 1.2 2.6
ALT/AZ=84.3 135.4
fwAVG=2.37
sdW=1436.0
fwW=2.48
sdS=473.6
fwS=2.34
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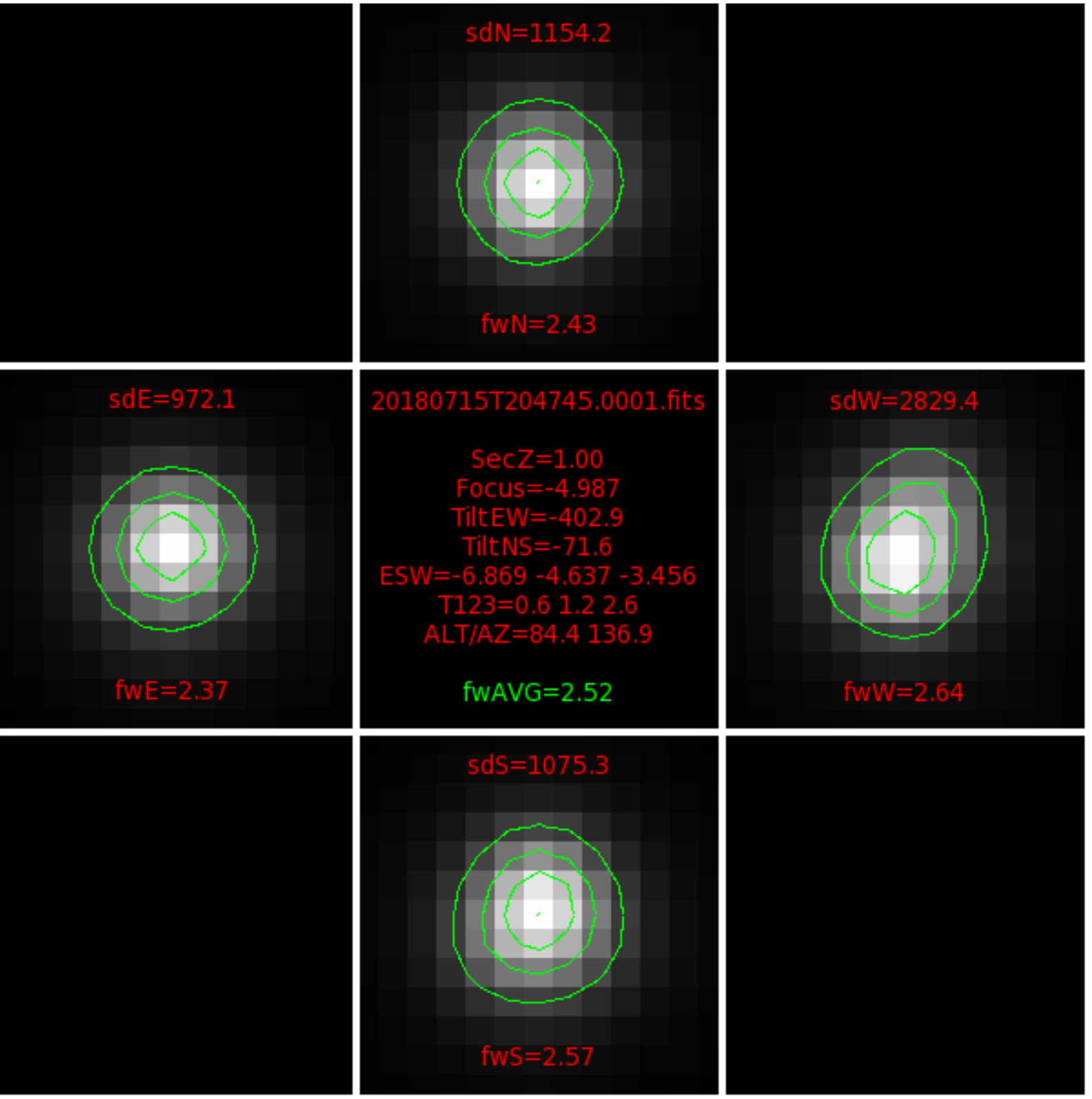
sdN=1154.2
fwN=2.43
sdE=972.1
fwE=2.37
20180715T204745.0001.fits
SecZ=1.00
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.6 1.2 2.6
ALT/AZ=84.4 136.9
fwAVG=2.52
sdW=2829.4
fwW=2.64
sdS=1075.3
fwS=2.57
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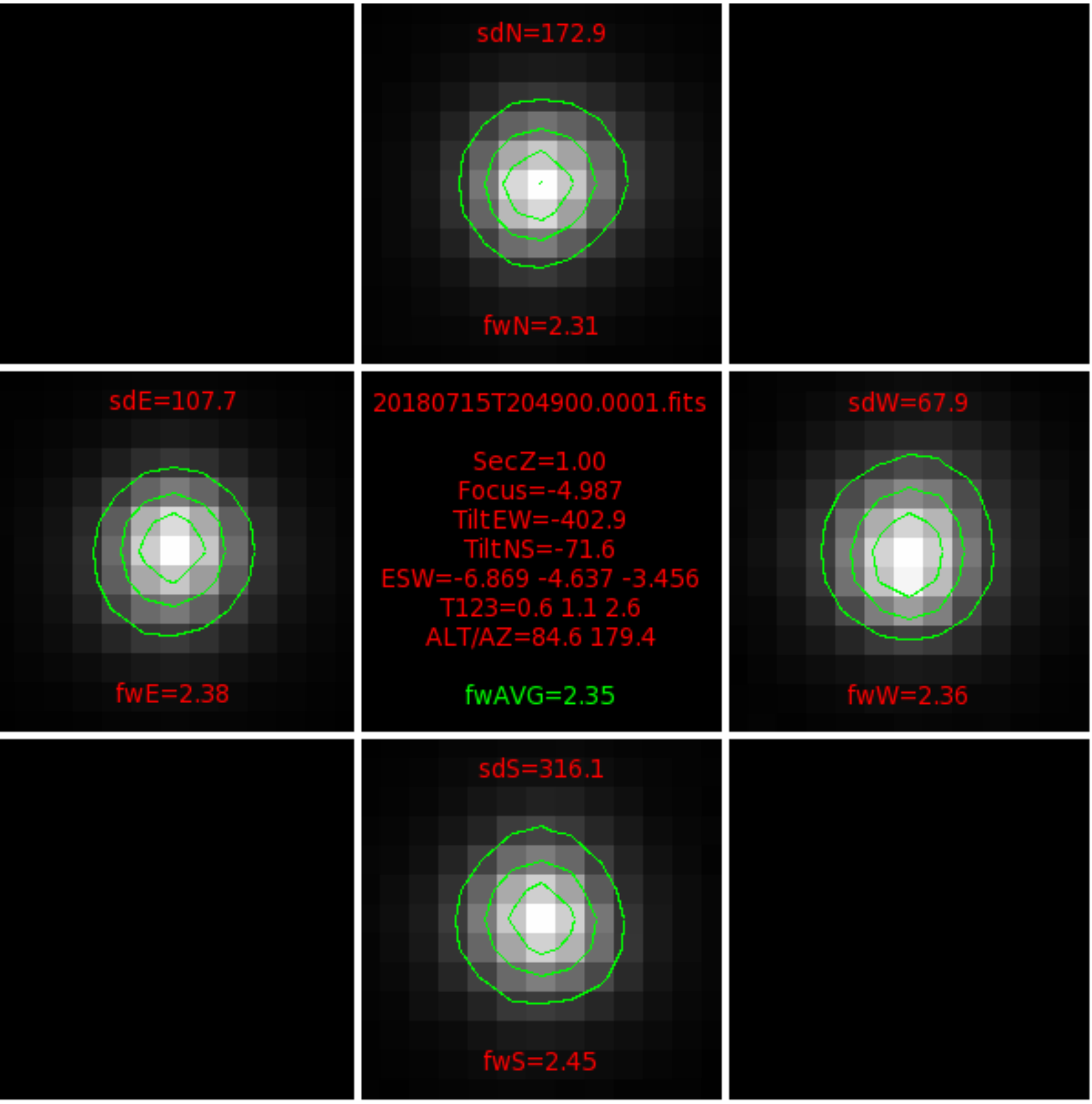
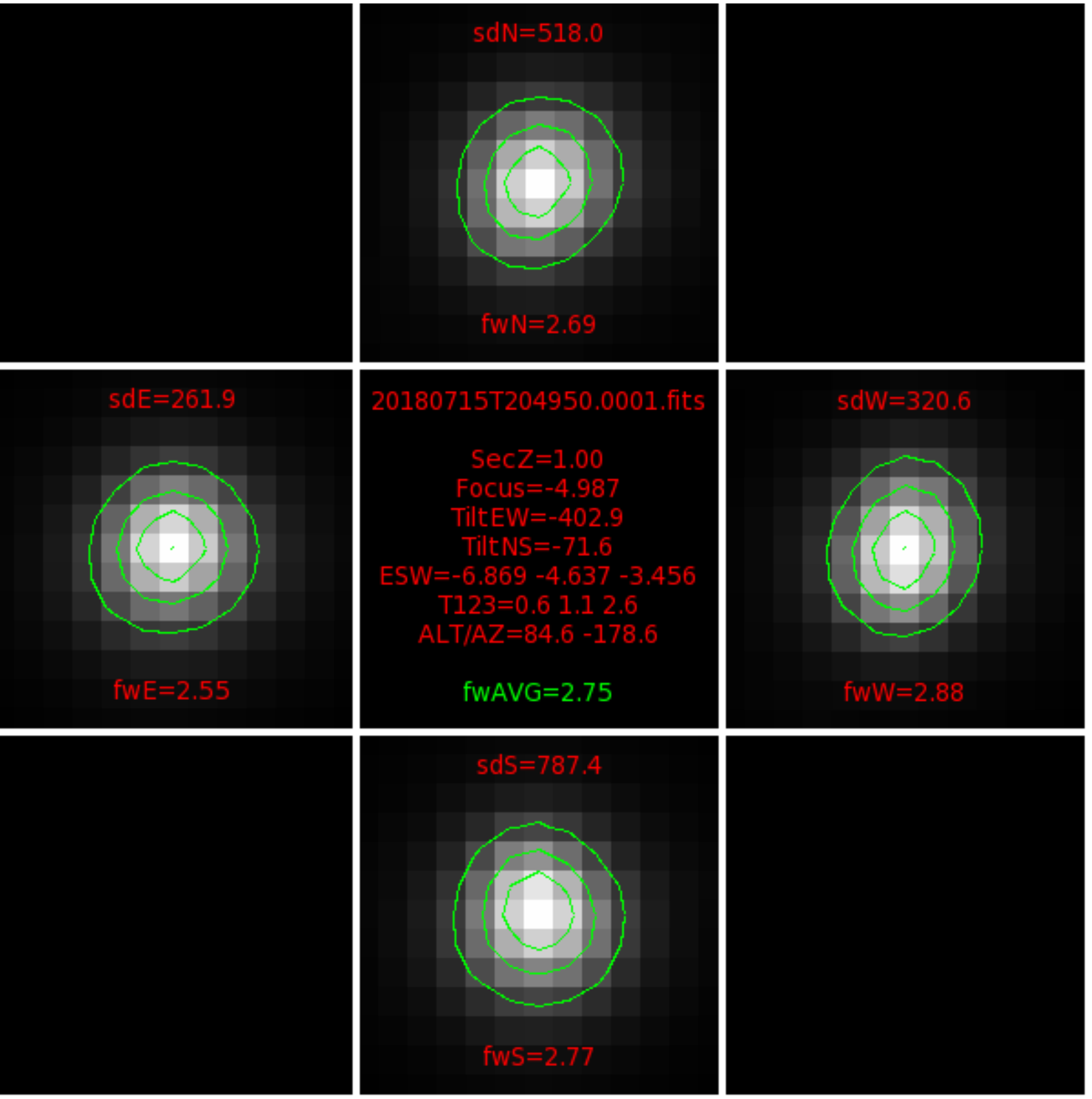

sdN=172.9
fwN=2.31
sdE=107.7
fwE=2.38
20180715T204900.0001.fits
SecZ=1.00
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.6 1.1 2.6
ALT/AZ=84.6 179.4
fwAVG=2.35
sdW=67.9
fwW=2.36
sdS=316.1
fwS=2.45
0 0 0 0 0 0 0 0 0


sdN=518.0
fwN=2.69
sdE=261.9
fwE=2.55
20180715T204950.0001.fits
SecZ=1.00
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.6 1.1 2.6
ALT/AZ=84.6 -178.6
fwAVG=2.75
sdW=320.6
fwW=2.88
sdS=787.4
fwS=2.77
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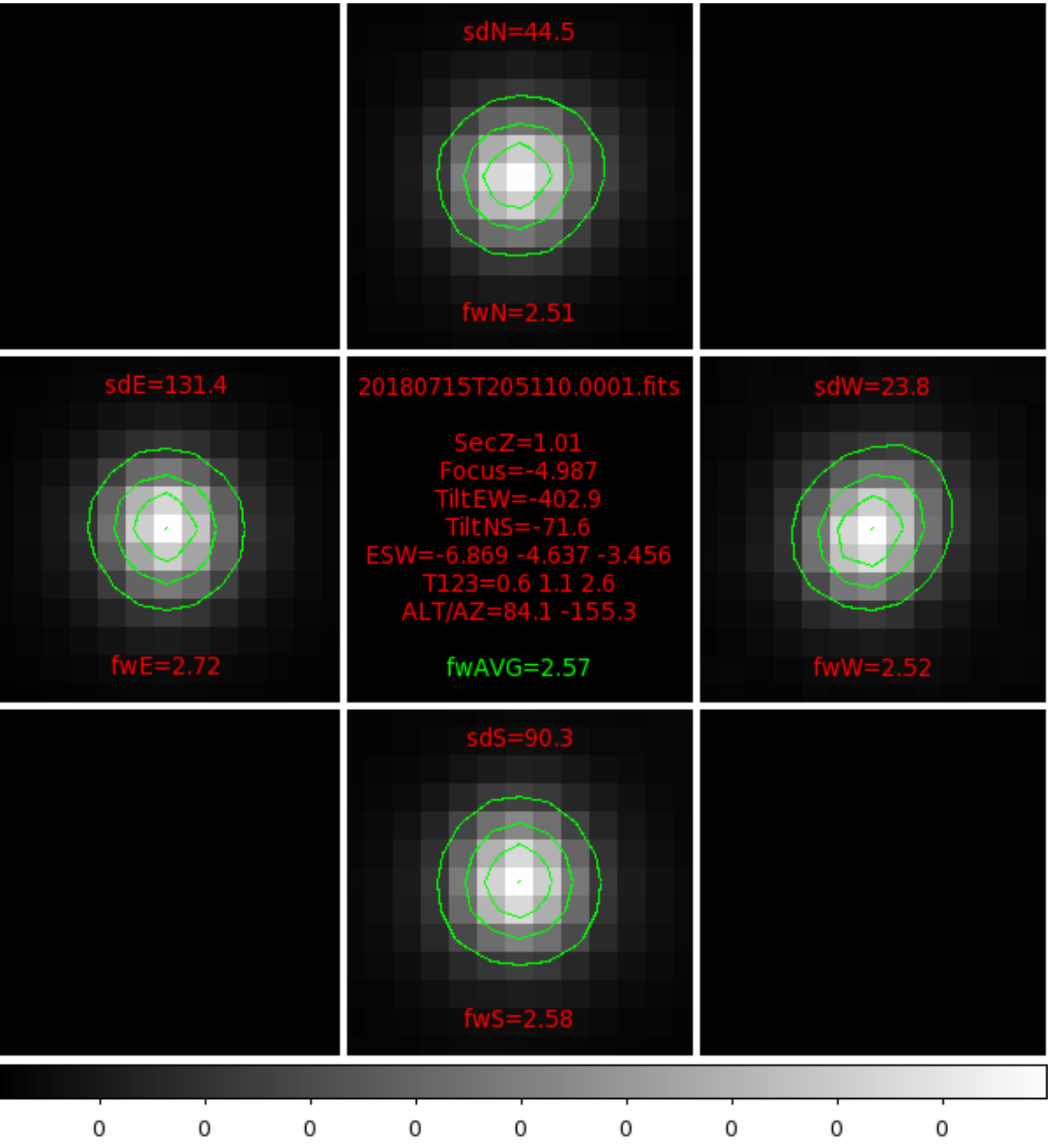
sdN=44.5
fwN=2.51
sdE=131.4
fwE=2.72
20180715T205110.0001.fits
SecZ=1.01
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.6 1.1 2.6
ALT/AZ=84.1 -155.3
fwAVG=2.57
sdW=23.8
fwW=2.52
sdS=90.3
fwS=2.58
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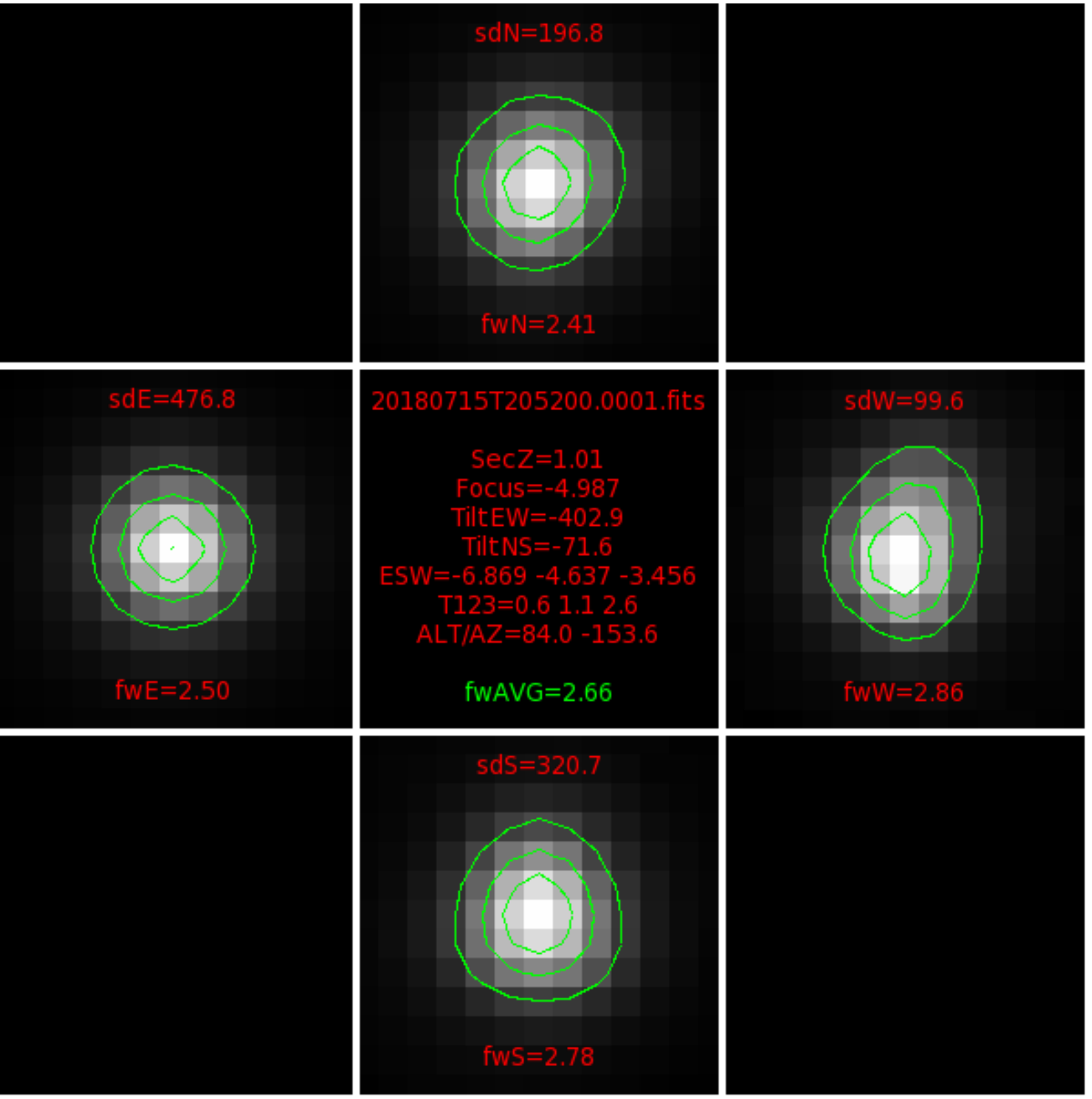
sdN=196.8
fwN=2.41
sdE=476.8
fwE=2.50
20180715T205200.0001.fits
SecZ=1.01
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.6 1.1 2.6
ALT/AZ=84.0 -153.6
fwAVG=2.66
sdW=99.6
fwW=2.86
sdS=320.7
fwS=2.78
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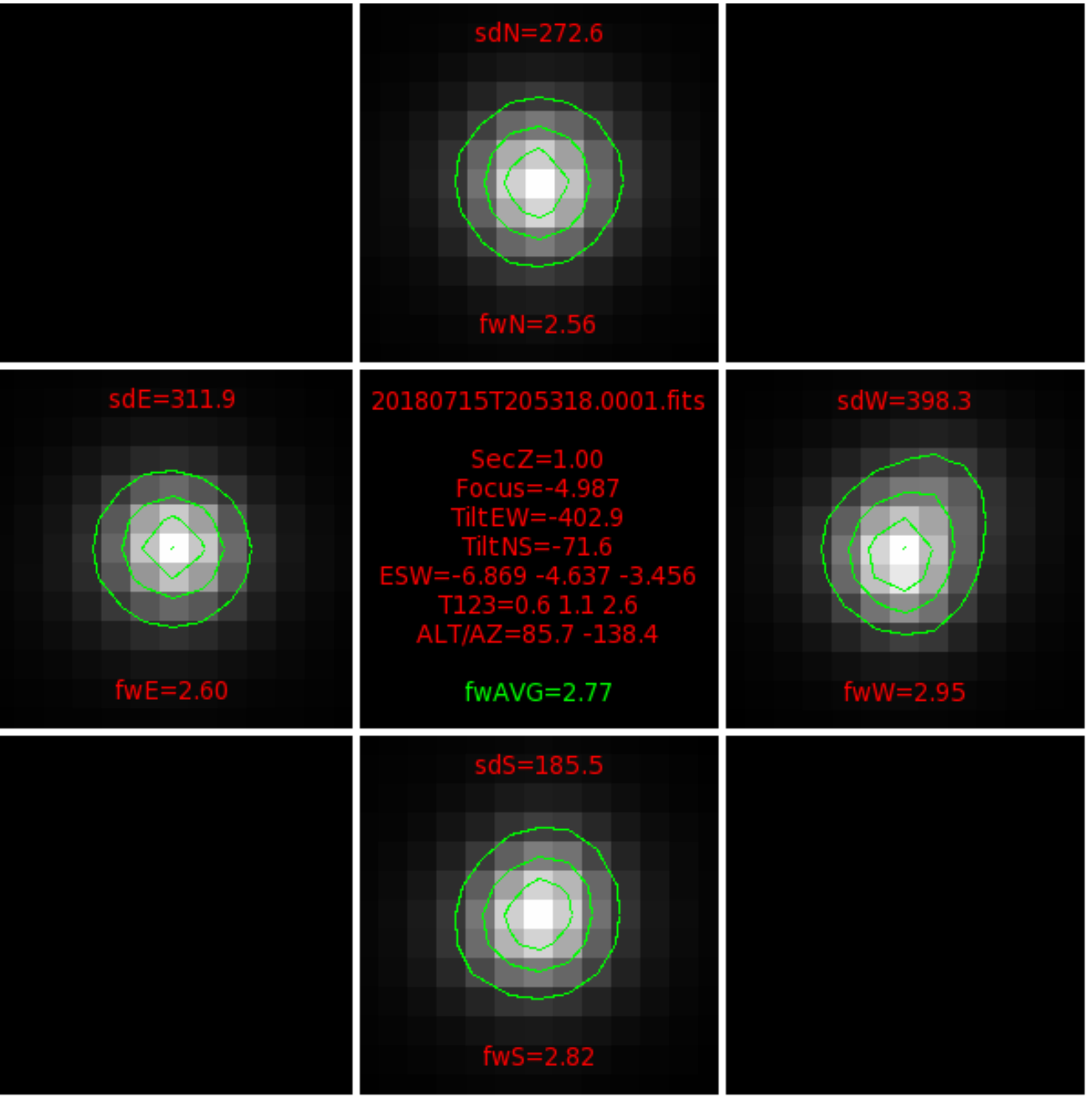
sdN=272.6
fwN=2.56
sdE=311.9
fwE=2.60
20180715T205318.0001.fits
SecZ=1.00
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.6 1.1 2.6
ALT/AZ=85.7 -138.4
fwAVG=2.77
sdW=398.3
fwW=2.95
sdS=185.5
fwS=2.82
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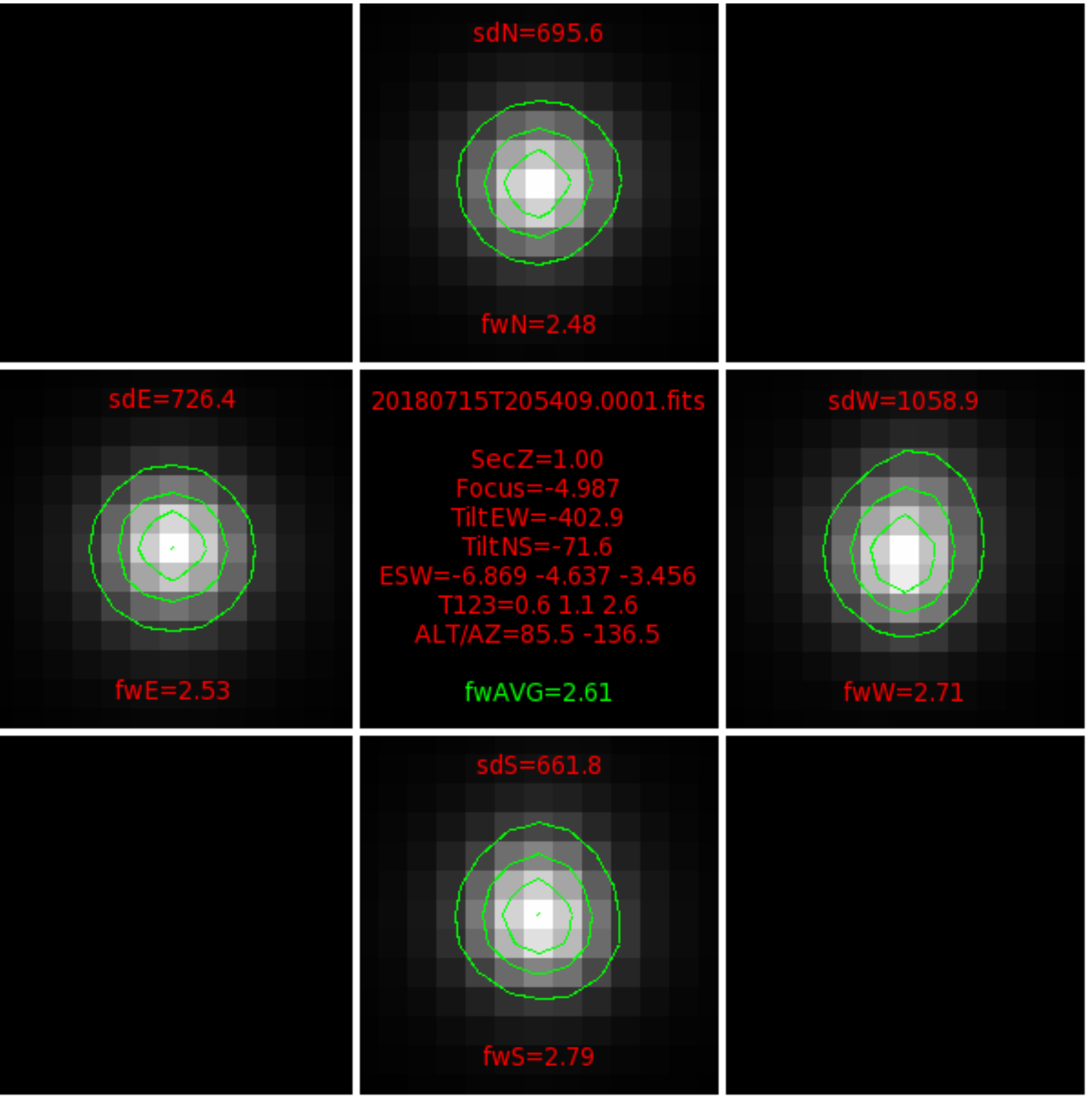
sdN=695.6
fwN=2.48
sdE=726.4
fwE=2.53
20180715T205409.0001.fits
SecZ=1.00
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.6 1.1 2.6
ALT/AZ=85.5 -136.5
fwAVG=2.61
sdW=1058.9
fwW=2.71
sdS=661.8
fwS=2.79
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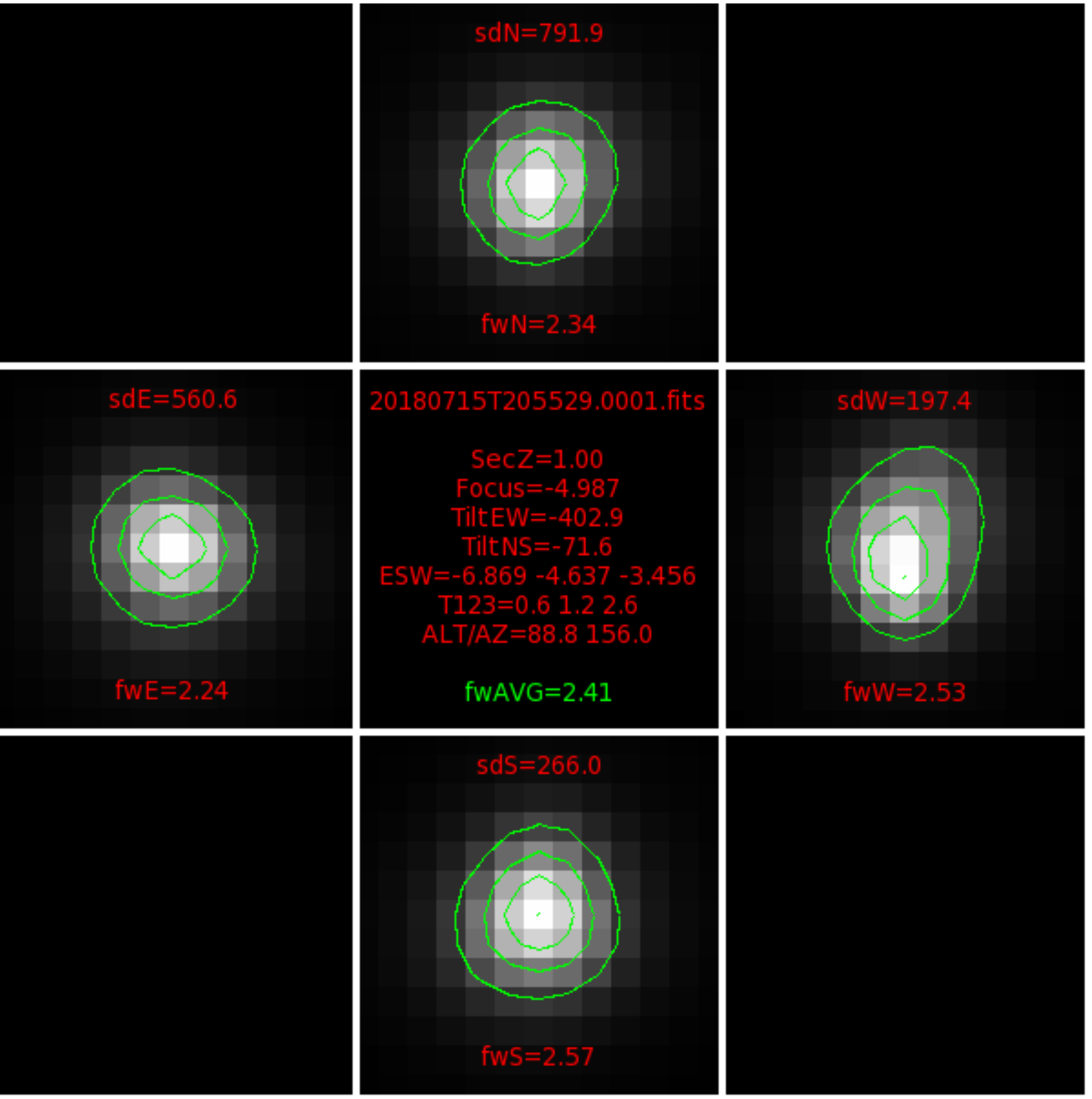
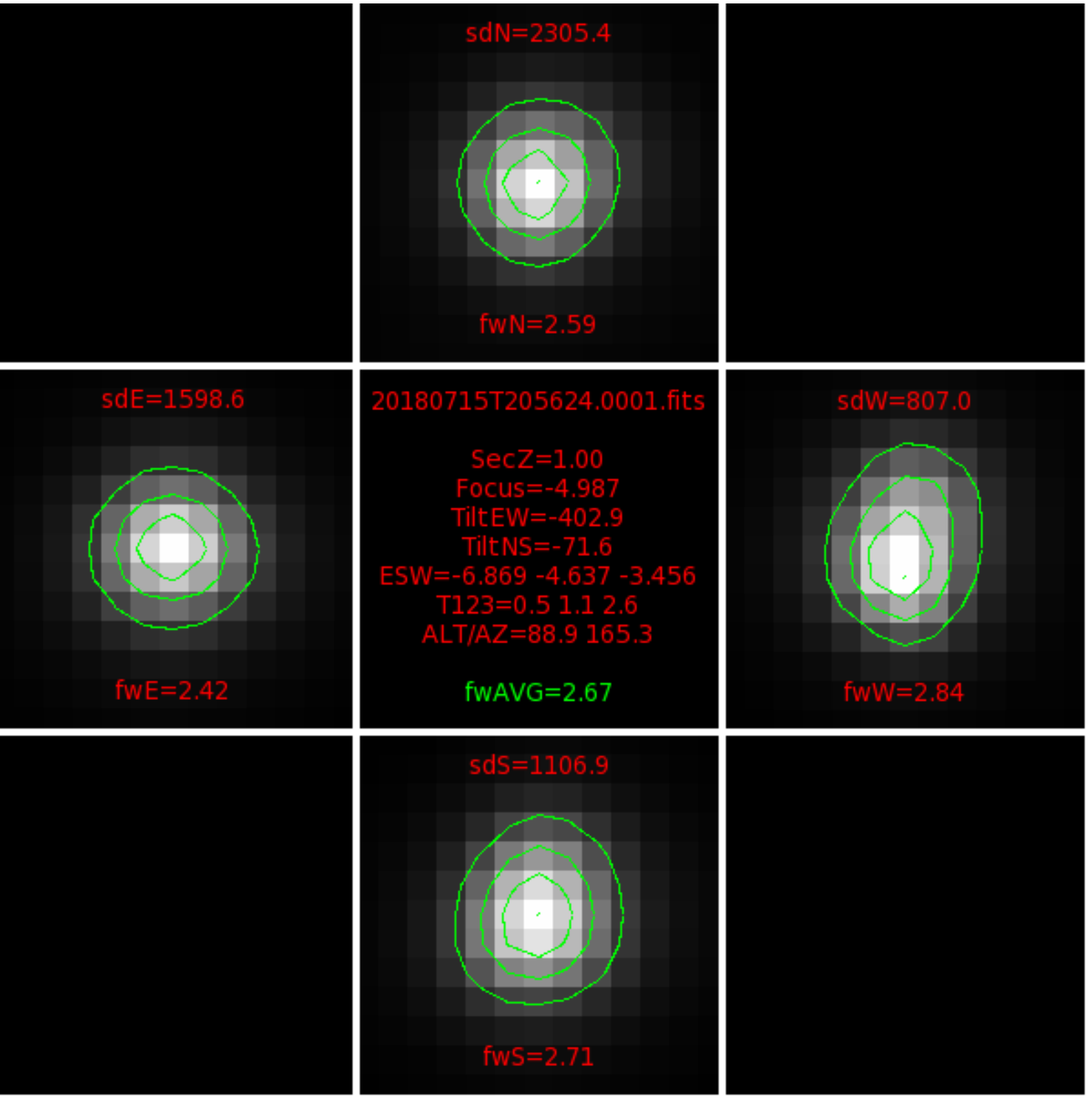

sdN=791.9
fwN=2.34
sdE=560.6
fwE=2.24
20180715T205529.0001.fits
SecZ=1.00
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.6 1.2 2.6
ALT/AZ=88.8 156.0
fwAVG=2.41
sdW=197.4
fwW=2.53
sdS=266.0
fwS=2.57
0 0 0 0 0 0 0 0 0


sdN=2305.4
fwN=2.59
sdE=1598.6
fwE=2.42
20180715T205624.0001.fits
SecZ=1.00
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.5 1.1 2.6
ALT/AZ=88.9 165.3
fwAVG=2.67
sdW=807.0
fwW=2.84
sdS=1106.9
fwS=2.71
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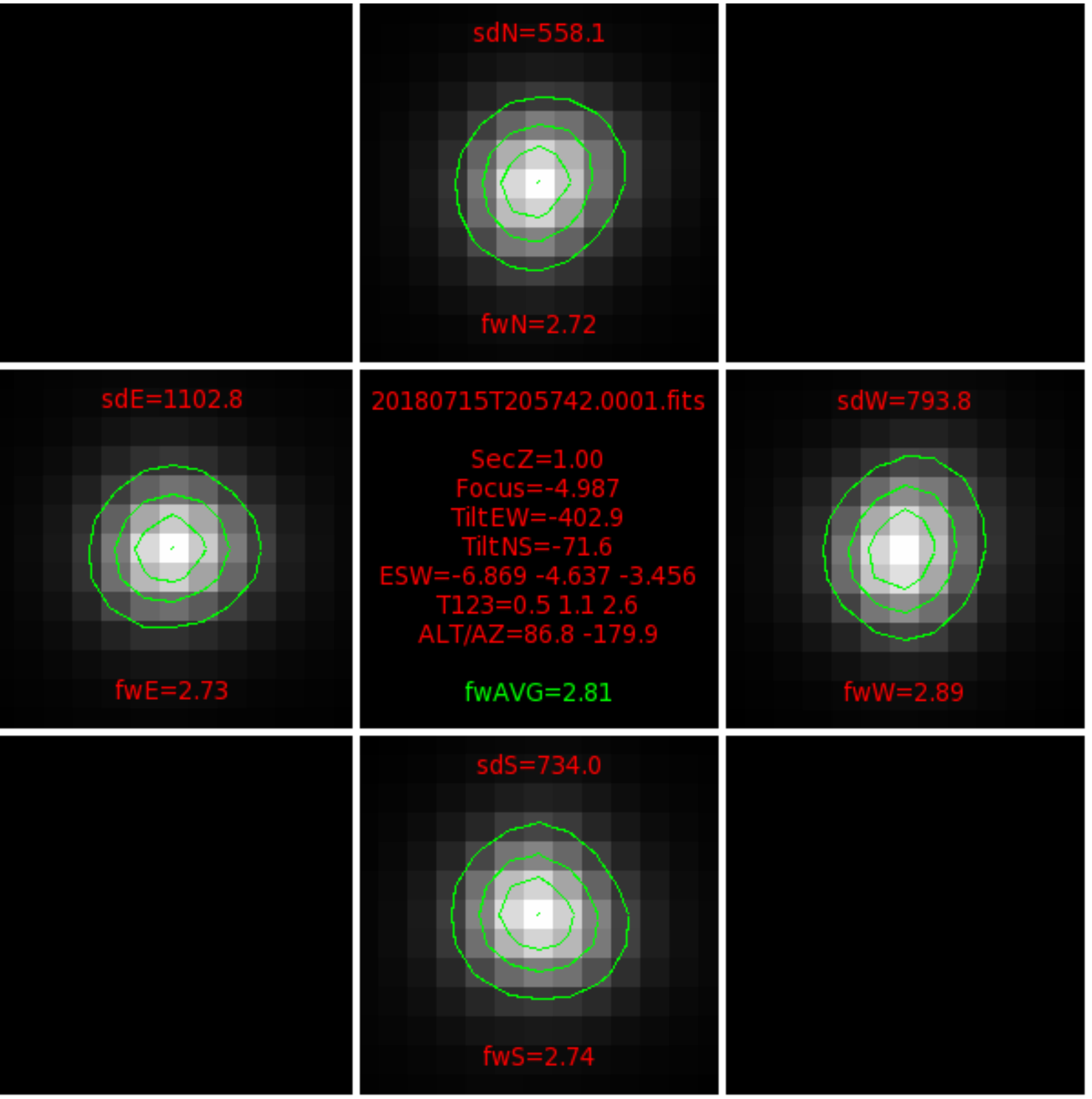
sdN=558.1
fwN=2.72
sdE=1102.8
fwE=2.73
20180715T205742.0001.fits
SecZ=1.00
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.5 1.1 2.6
ALT/AZ=86.8 -179.9
fwAVG=2.81
sdW=793.8
fwW=2.89
sdS=734.0
fwS=2.74
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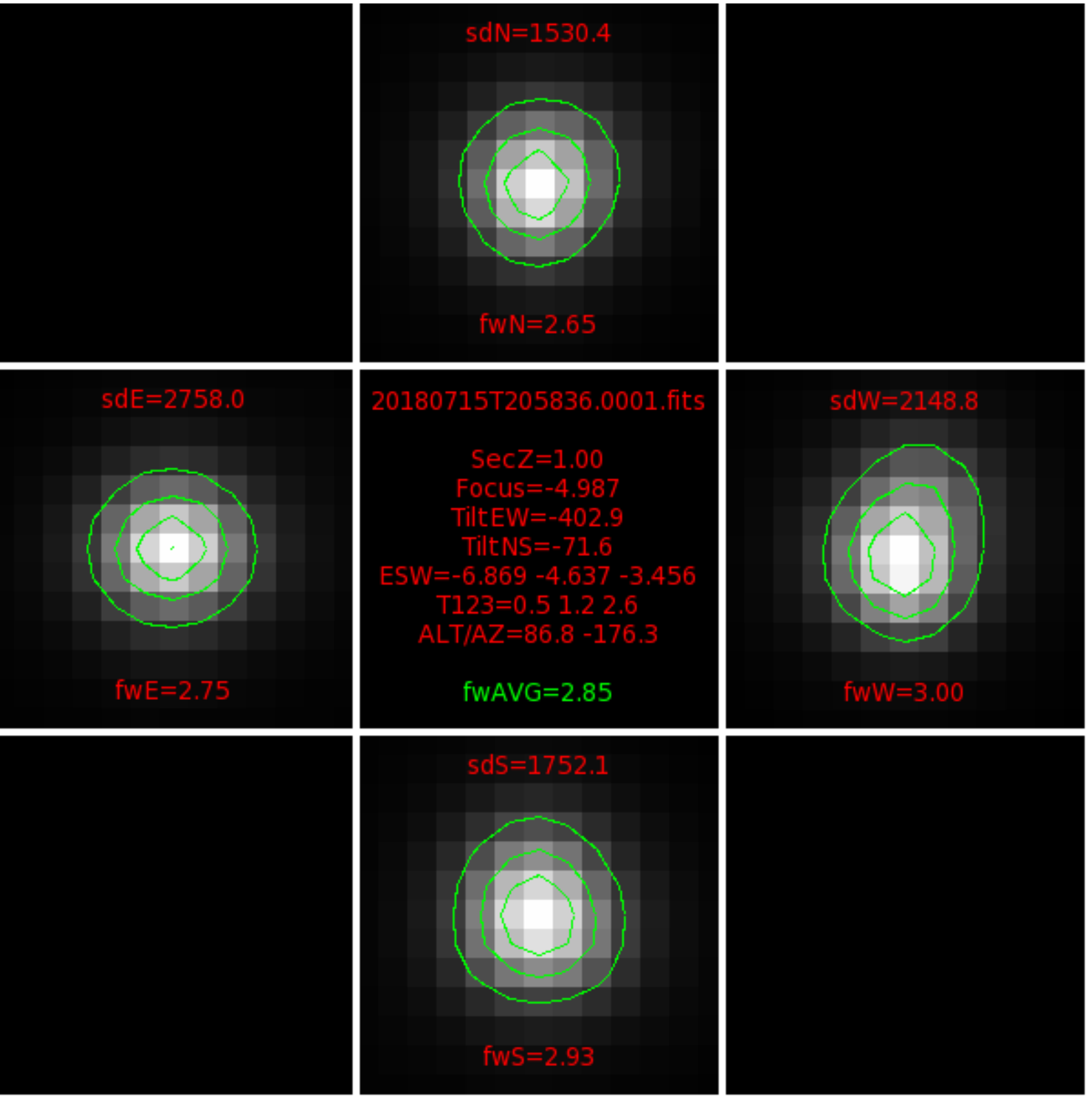
sdN=1530.4
fwN=2.65
sdE=2758.0
fwE=2.75
20180715T205836.0001.fits
SecZ=1.00
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.5 1.2 2.6
ALT/AZ=86.8 -176.3
fwAVG=2.85
sdW=2148.8
fwW=3.00
sdS=1752.1
fwS=2.93
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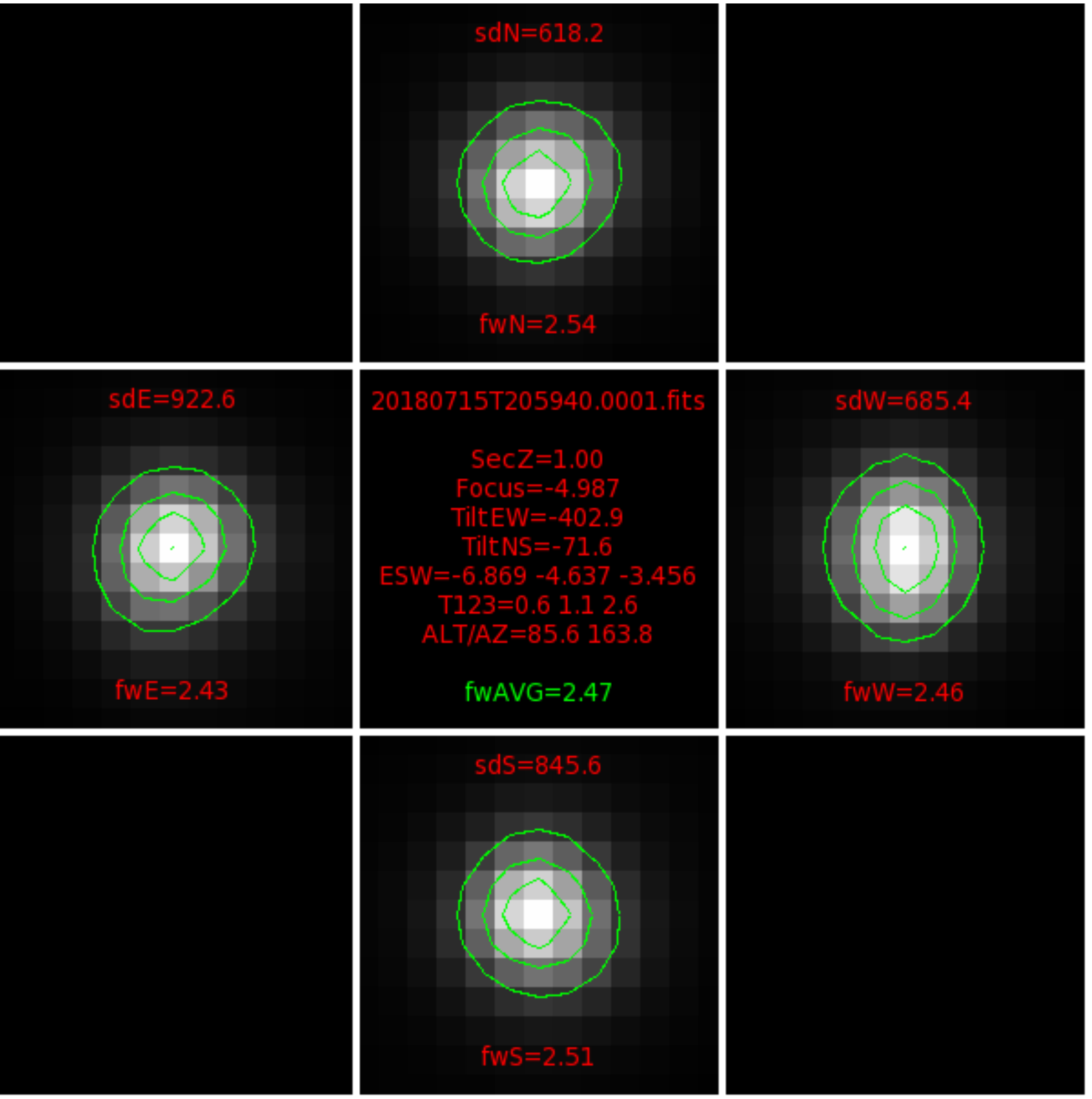
sdN=618.2
fwN=2.54
sdE=922.6
fwE=2.43
20180715T205940.0001.fits
SecZ=1.00
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.6 1.1 2.6
ALT/AZ=85.6 163.8
fwAVG=2.47
sdW=685.4
fwW=2.46
sdS=845.6
fwS=2.51
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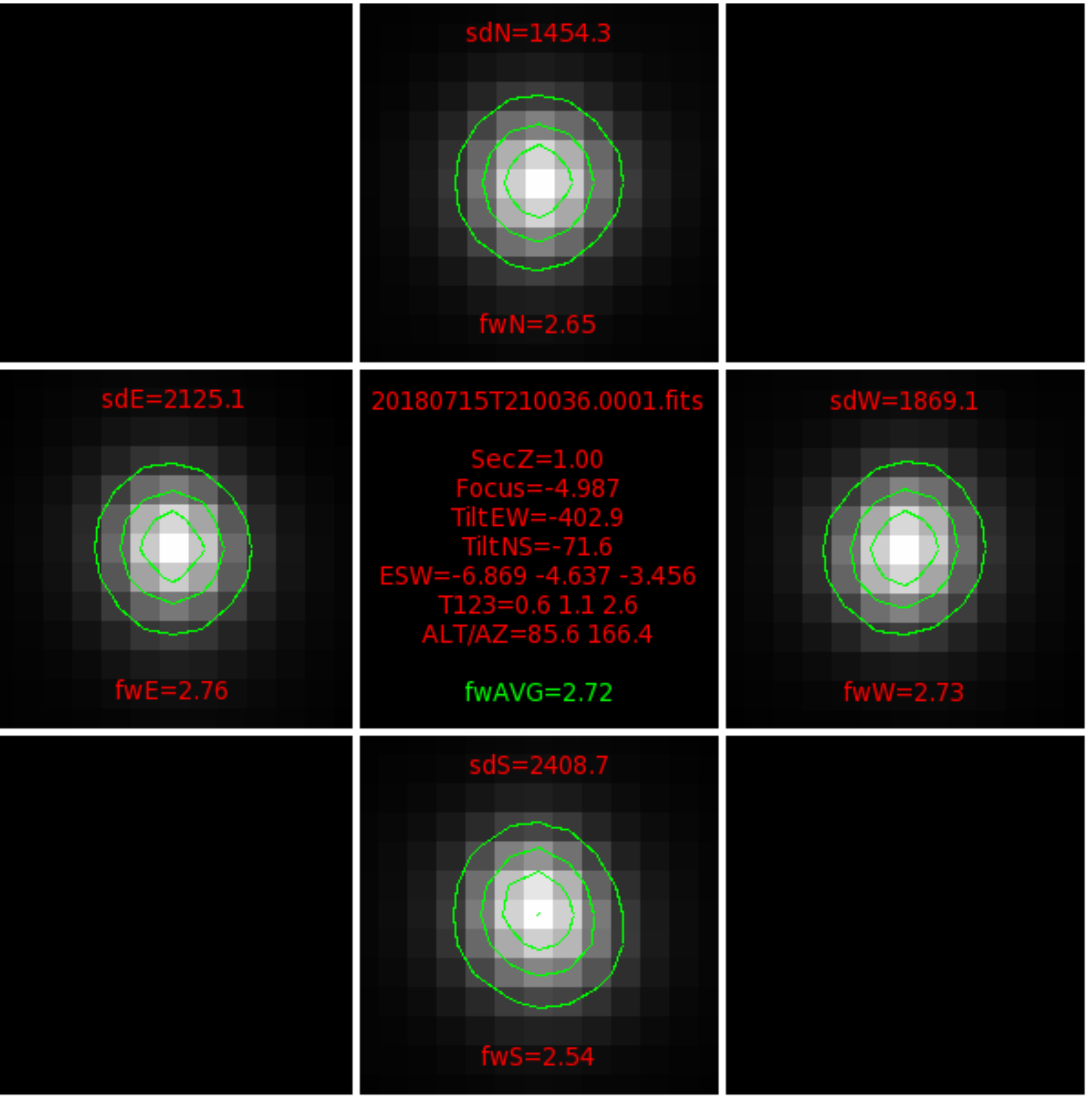
sdN=1454.3
fwN=2.65
sdE=2125.1
fwE=2.76
20180715T210036.0001.fits
SecZ=1.00
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.6 1.1 2.6
ALT/AZ=85.6 166.4
fwAVG=2.72
sdW=1869.1
fwW=2.73
sdS=2408.7
fwS=2.54
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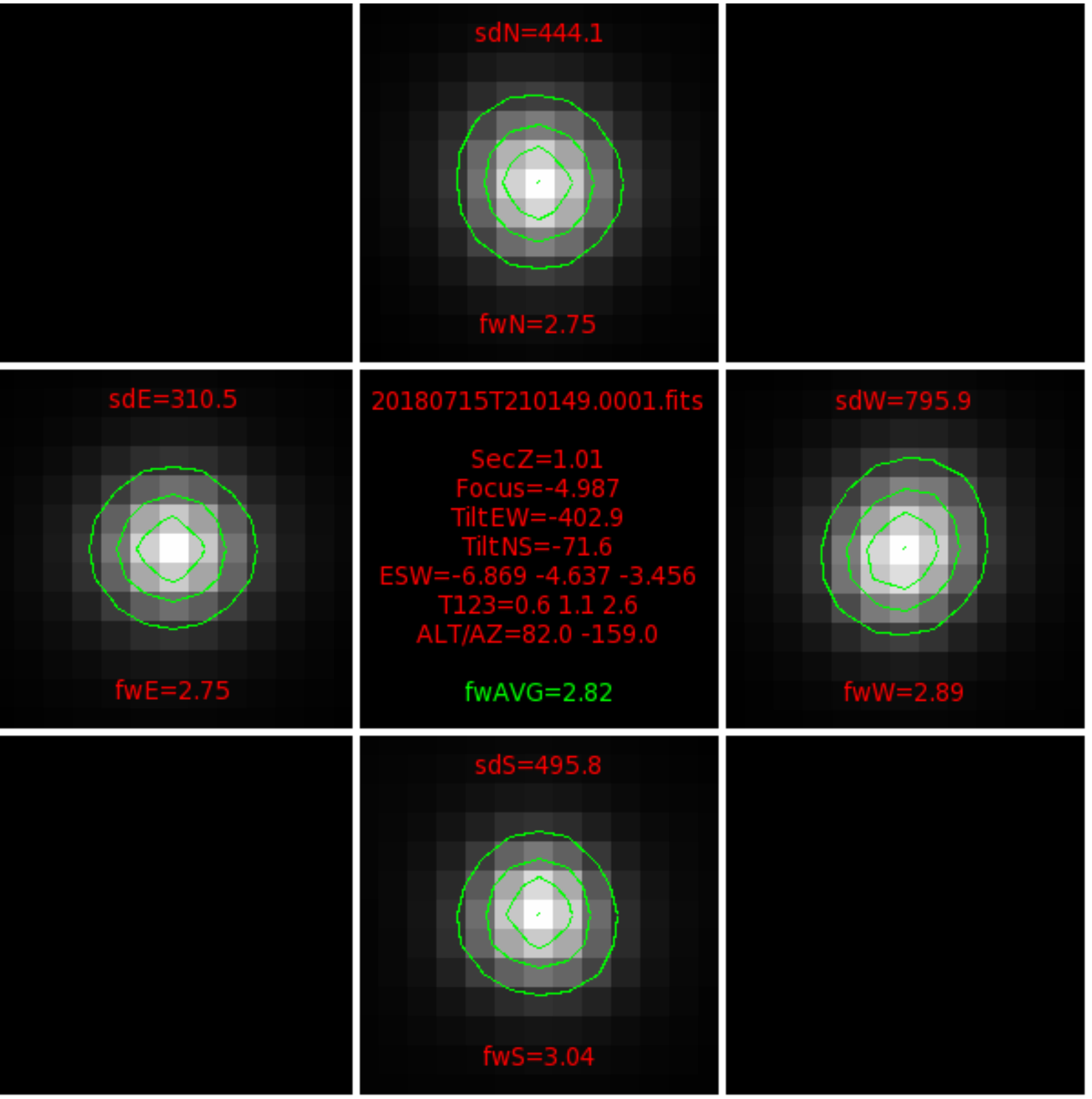
sdN=444.1
fwN=2.75
sdE=310.5
fwE=2.75
20180715T210149.0001.fits
SecZ=1.01
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.6 1.1 2.6
ALT/AZ=82.0 -159.0
fwAVG=2.82
sdW=795.9
fwW=2.89
sdS=495.8
fwS=3.04
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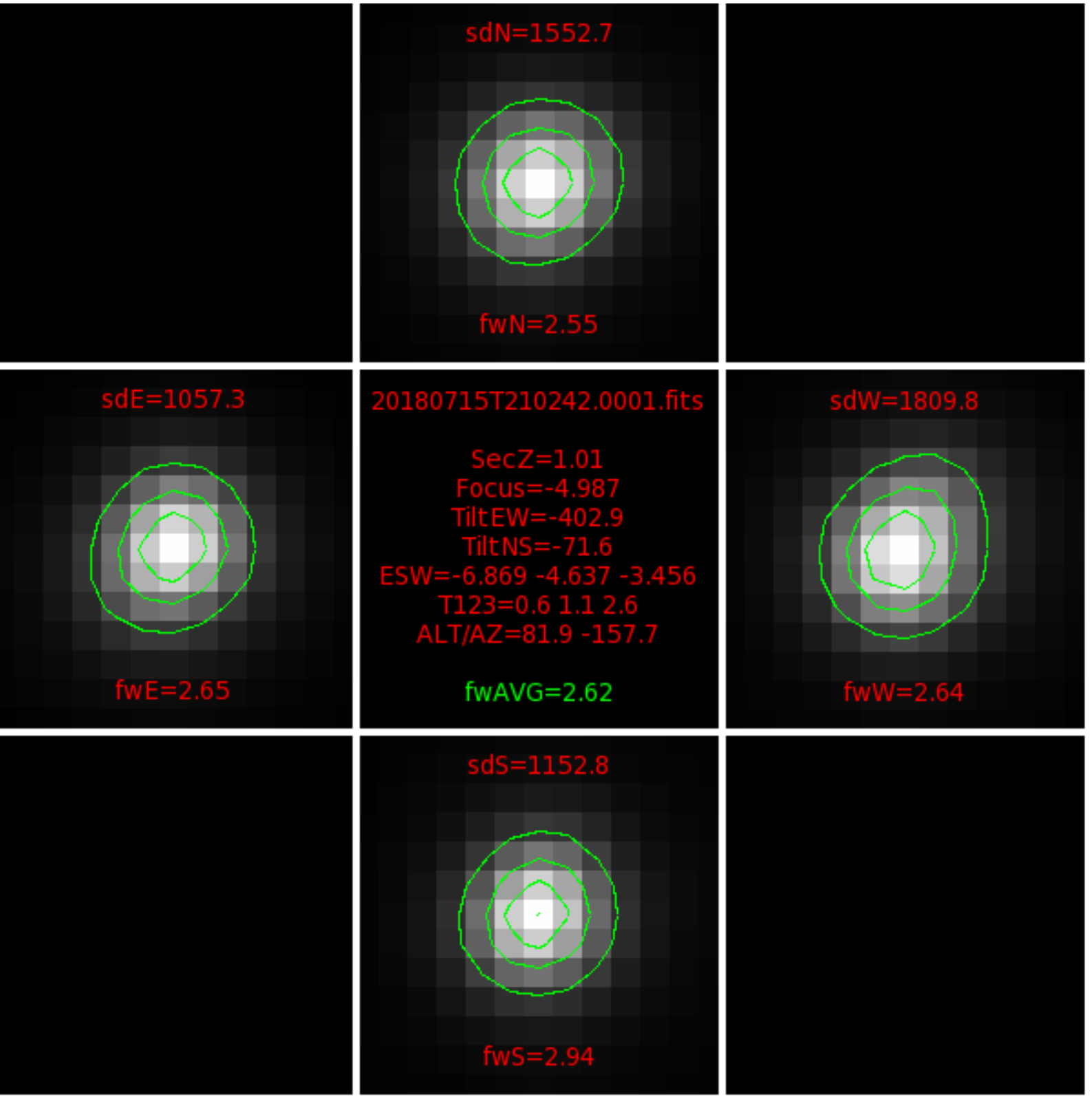
sdN=1552.7
fwN=2.55
sdE=1057.3
fwE=2.65
20180715T210242.0001.fits
SecZ=1.01
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.6 1.1 2.6
ALT/AZ=81.9 -157.7
fwAVG=2.62
sdW=1809.8
fwW=2.64
sdS=1152.8
fwS=2.94
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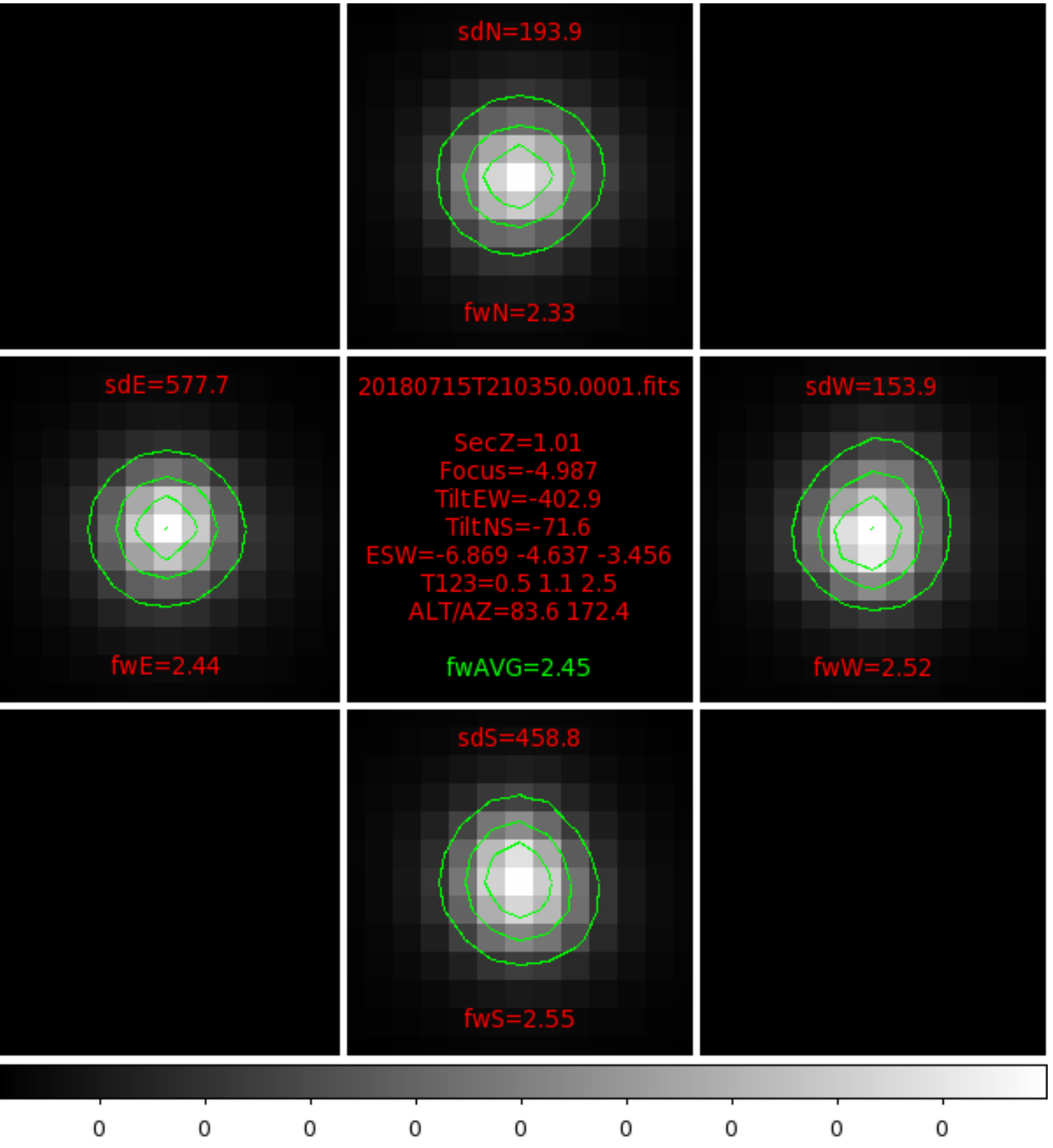
sdN=193.9
fwN=2.33
sdE=577.7
fwE=2.44
20180715T210350.0001.fits
SecZ=1.01
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.5 1.1 2.5
ALT/AZ=83.6 172.4
fwAVG=2.45
sdW=153.9
fwW=2.52
sdS=458.8
fwS=2.55
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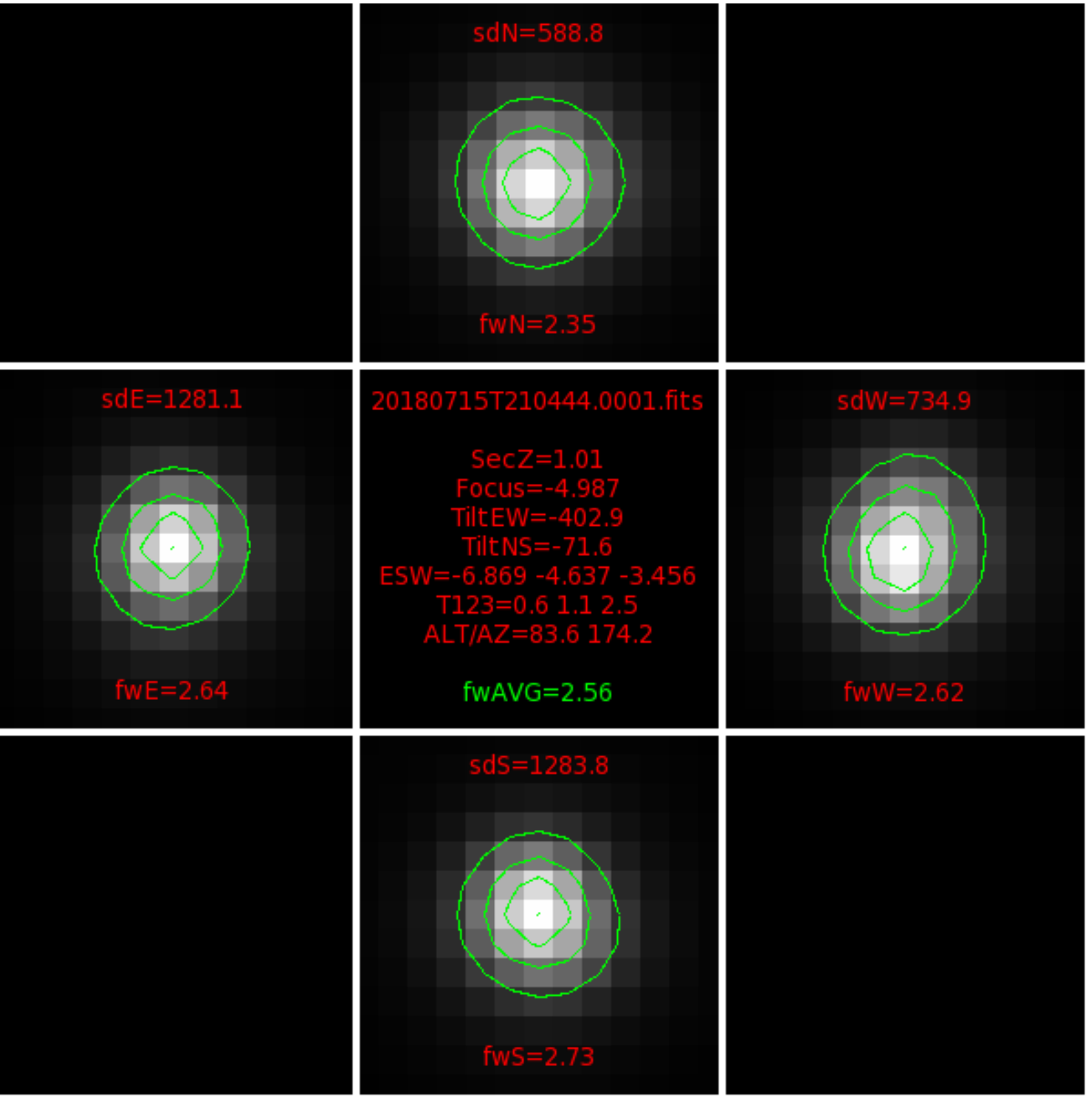
sdN=588.8
fwN=2.35
sdE=1281.1
fwE=2.64
20180715T210444.0001.fits
SecZ=1.01
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=0.6 1.1 2.5
ALT/AZ=83.6 174.2
fwAVG=2.56
sdW=734.9
fwW=2.62
sdS=1283.8
fwS=2.73
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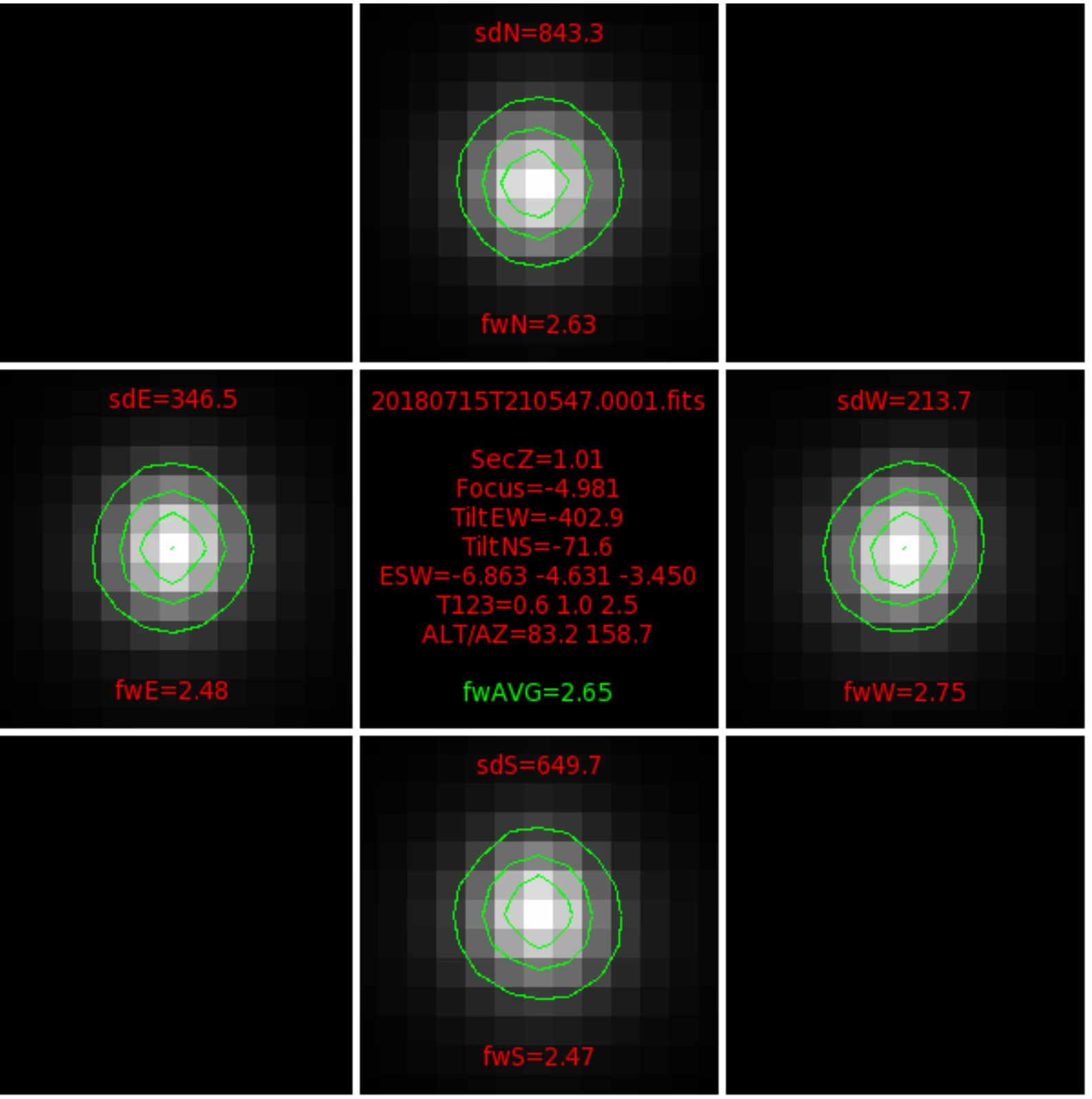
sdN=843.3
fwN=2.63
sdE=346.5
fwE=2.48
20180715T210547.0001.fits
SecZ=1.01
Focus=-4.981
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.863 -4.631 -3.450
T123=0.6 1.0 2.5
ALT/AZ=83.2 158.7
fwAVG=2.65
sdW=213.7
fwW=2.75
sdS=649.7
fwS=2.47
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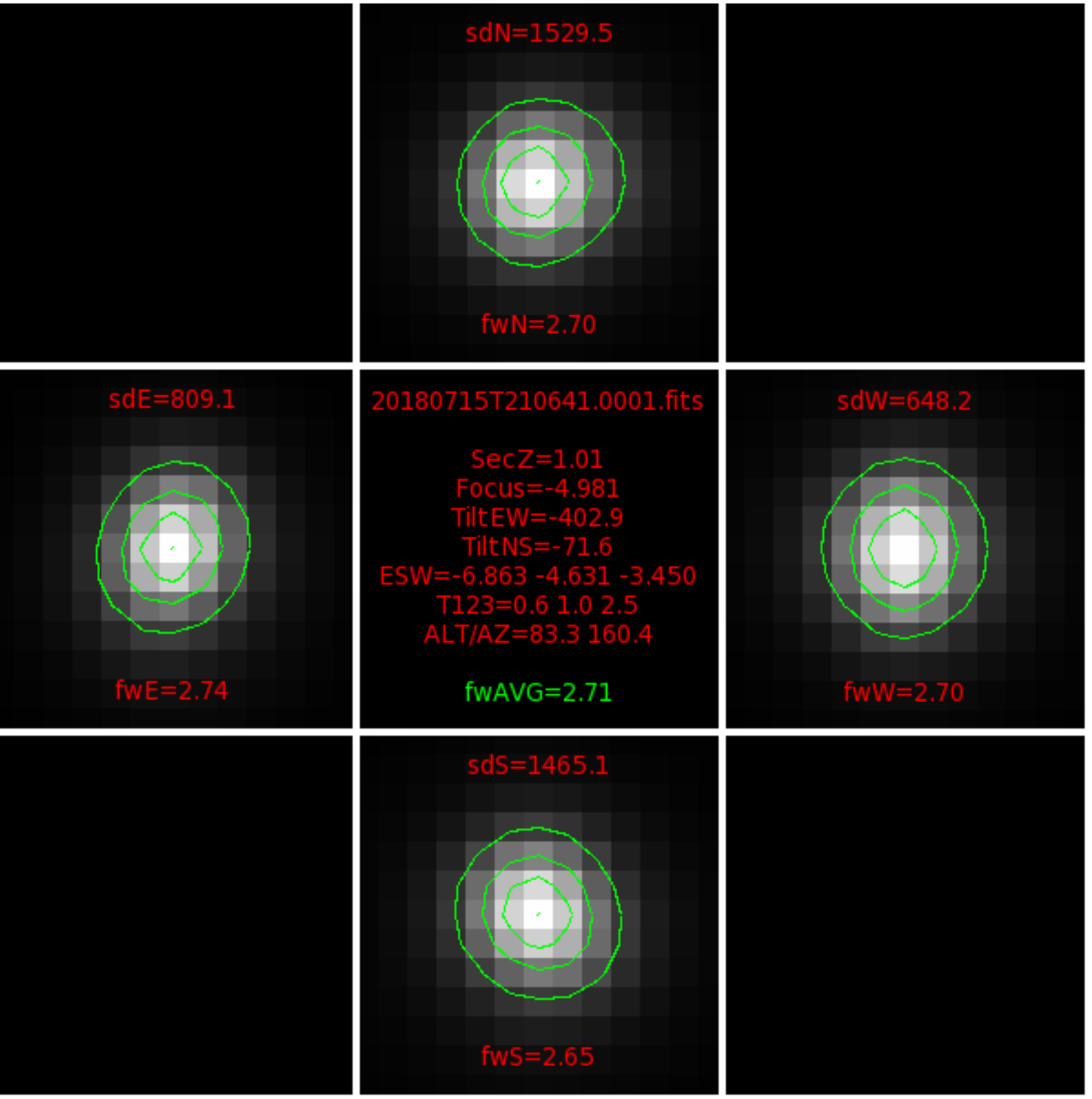
sdN=1529.5
fwN=2.70
sdE=809.1
fwE=2.74
20180715T210641.0001.fits
SecZ=1.01
Focus=-4.981
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.863 -4.631 -3.450
T123=0.6 1.0 2.5
ALT/AZ=83.3 160.4
fwAVG=2.71
sdW=648.2
fwW=2.70
sdS=1465.1
fwS=2.65
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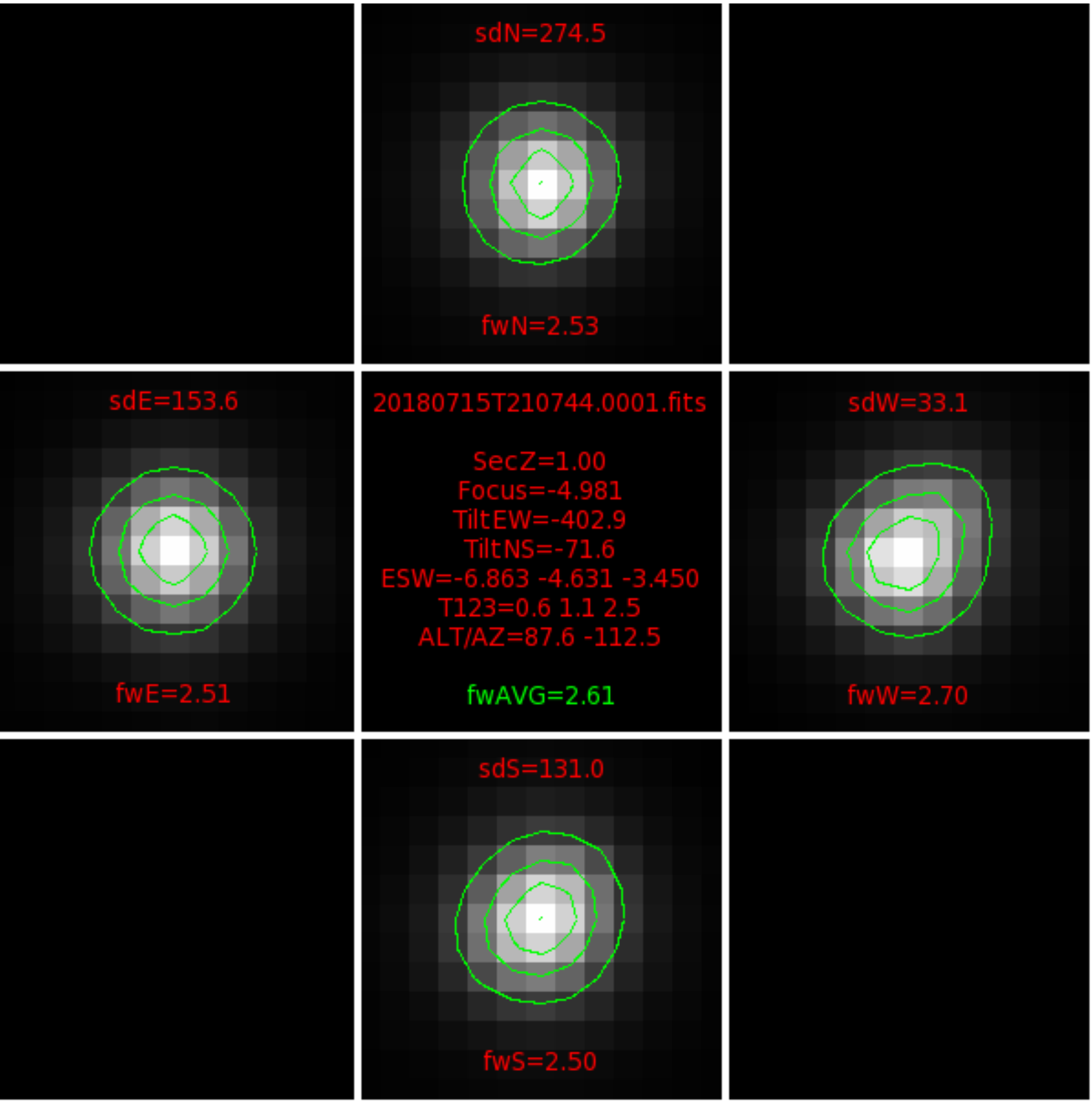
sdN=274.5
fwN=2.53
sdE=153.6
fwE=2.51
20180715T210744.0001.fits
SecZ=1.00
Focus=-4.981
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.863 -4.631 -3.450
T123=0.6 1.1 2.5
ALT/AZ=87.6 -112.5
fwAVG=2.61
sdW=33.1
fwW=2.70
sdS=131.0
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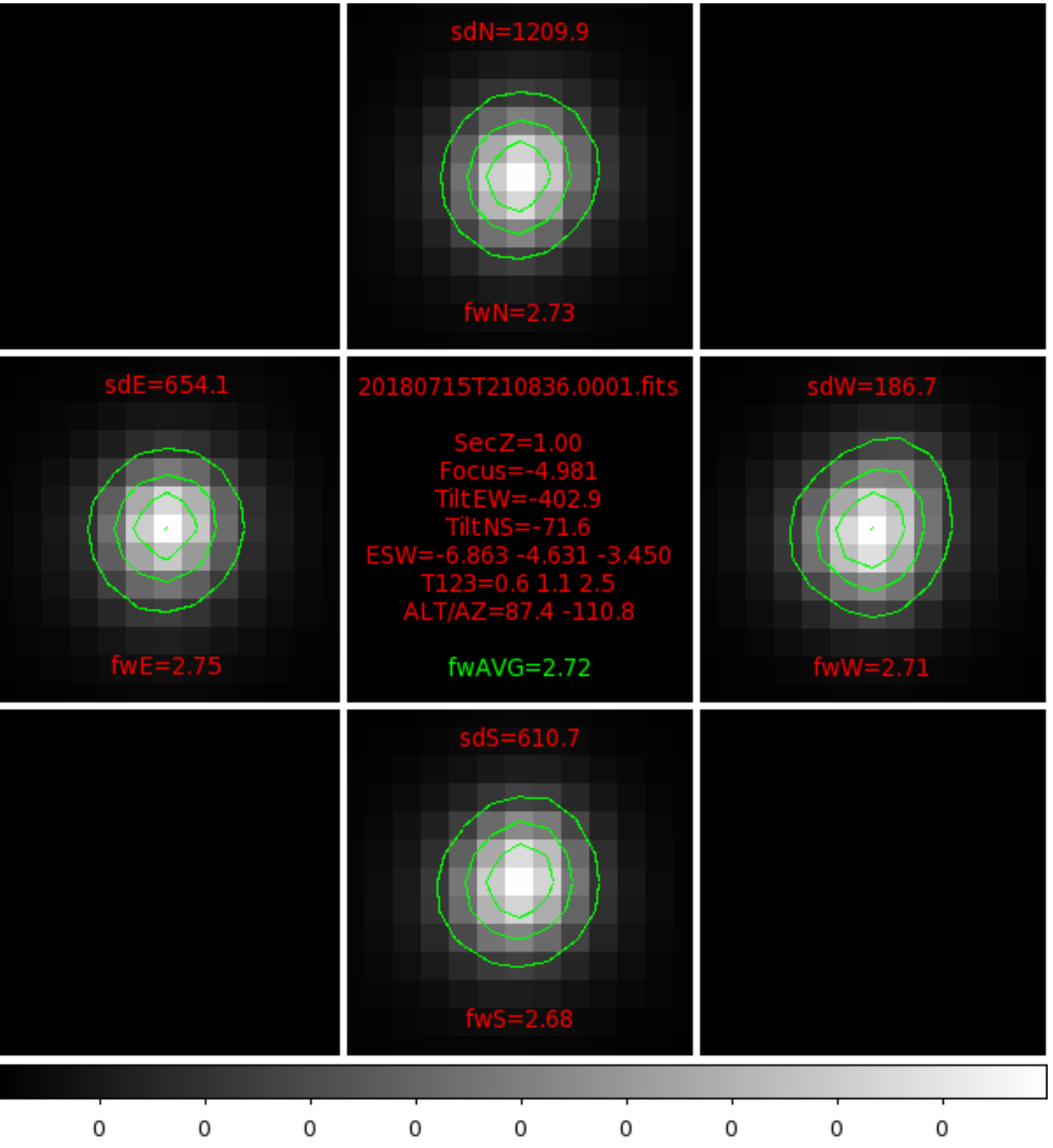
sdN=1209.9
fwN=2.73
sdE=654.1
fwE=2.75
20180715T210836.0001.fits
SecZ=1.00
Focus=-4.981
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.863 -4.631 -3.450
T123=0.6 1.1 2.5
ALT/AZ=87.4 -110.8
fwAVG=2.72
sdW=186.7
fwW=2.71
sdS=610.7
fwS=2.68
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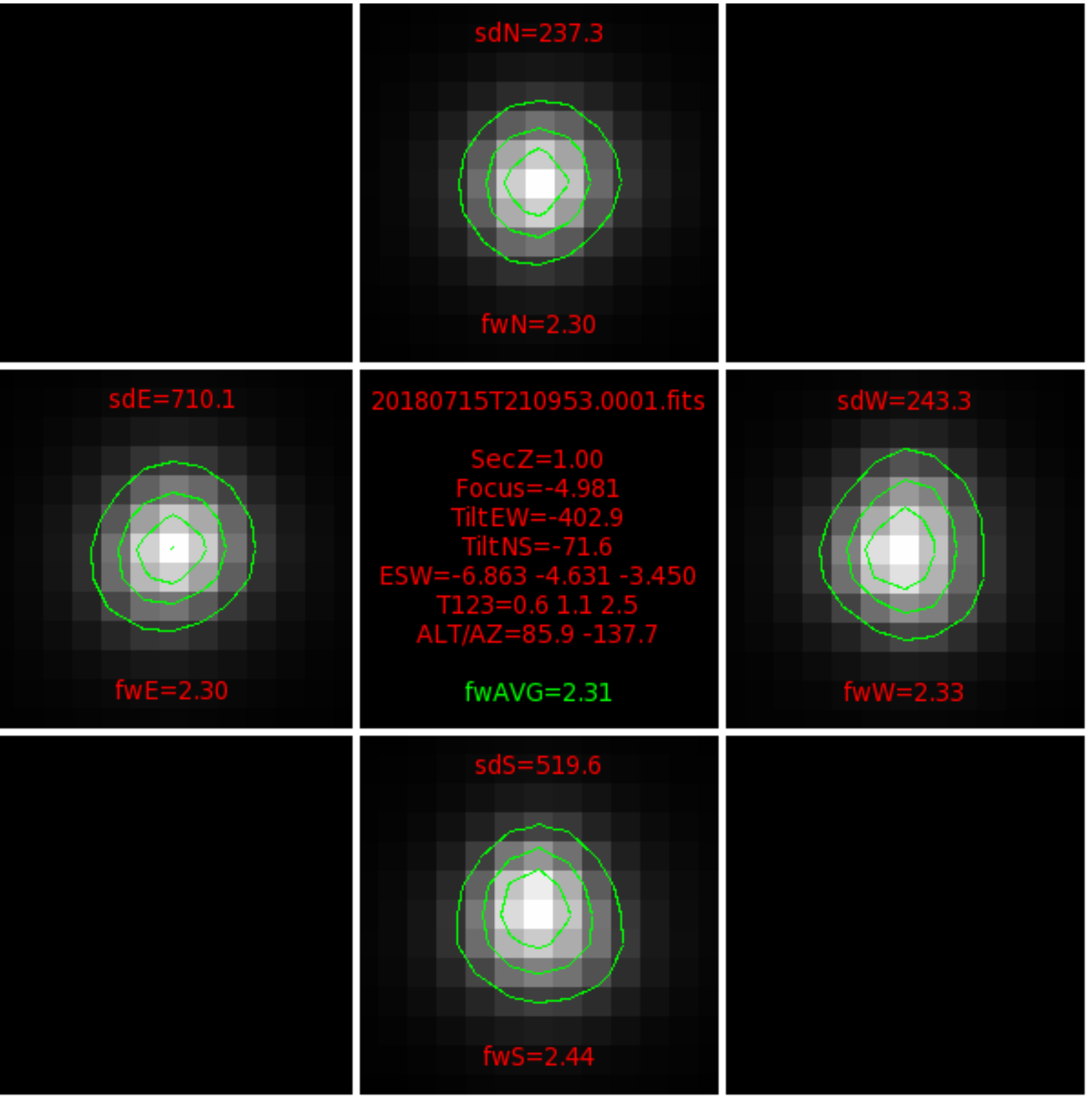
sdN=237.3
fwN=2.30
sdE=710.1
fwE=2.30
20180715T210953.0001.fits
SecZ=1.00
Focus=-4.981
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.863 -4.631 -3.450
T123=0.6 1.1 2.5
ALT/AZ=85.9 -137.7
fwAVG=2.31
sdW=243.3
fwW=2.33
sdS=519.6
fwS=2.44
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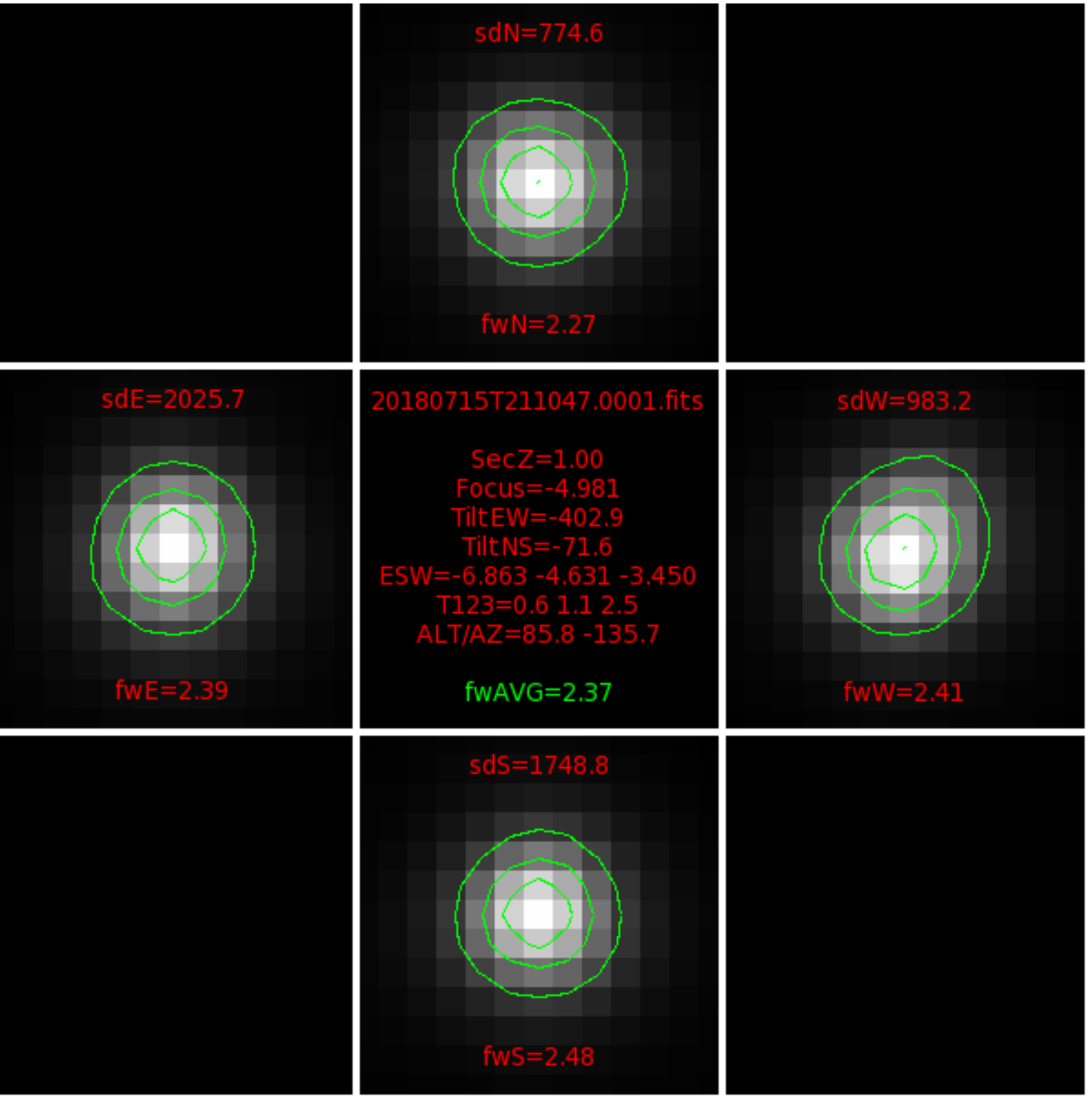
sdN=774.6
fwN=2.27
sdE=2025.7
fwE=2.39
20180715T211047.0001.fits
SecZ=1.00
Focus=-4.981
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.863 -4.631 -3.450
T123=0.6 1.1 2.5
ALT/AZ=85.8 -135.7
fwAVG=2.37
sdW=983.2
fwW=2.41
sdS=1748.8
fwS=2.48
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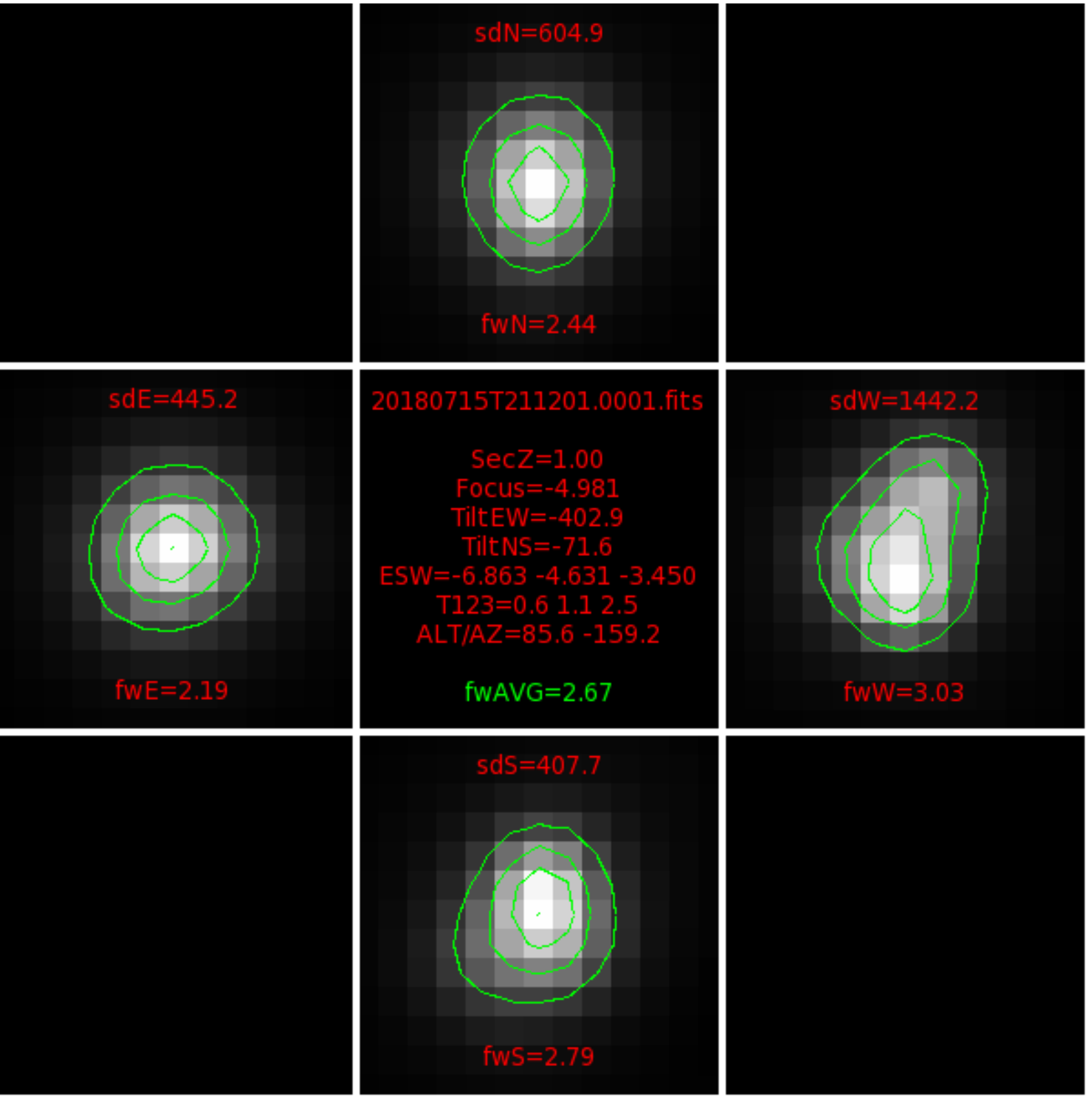
sdN=604.9
fwN=2.44
sdE=445.2
fwE=2.19
20180715T211201.0001.fits
SecZ=1.00
Focus=-4.981
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.863 -4.631 -3.450
T123=0.6 1.1 2.5
ALT/AZ=85.6 -159.2
fwAVG=2.67
sdW=1442.2
fwW=3.03
sdS=407.7
fwS=2.79
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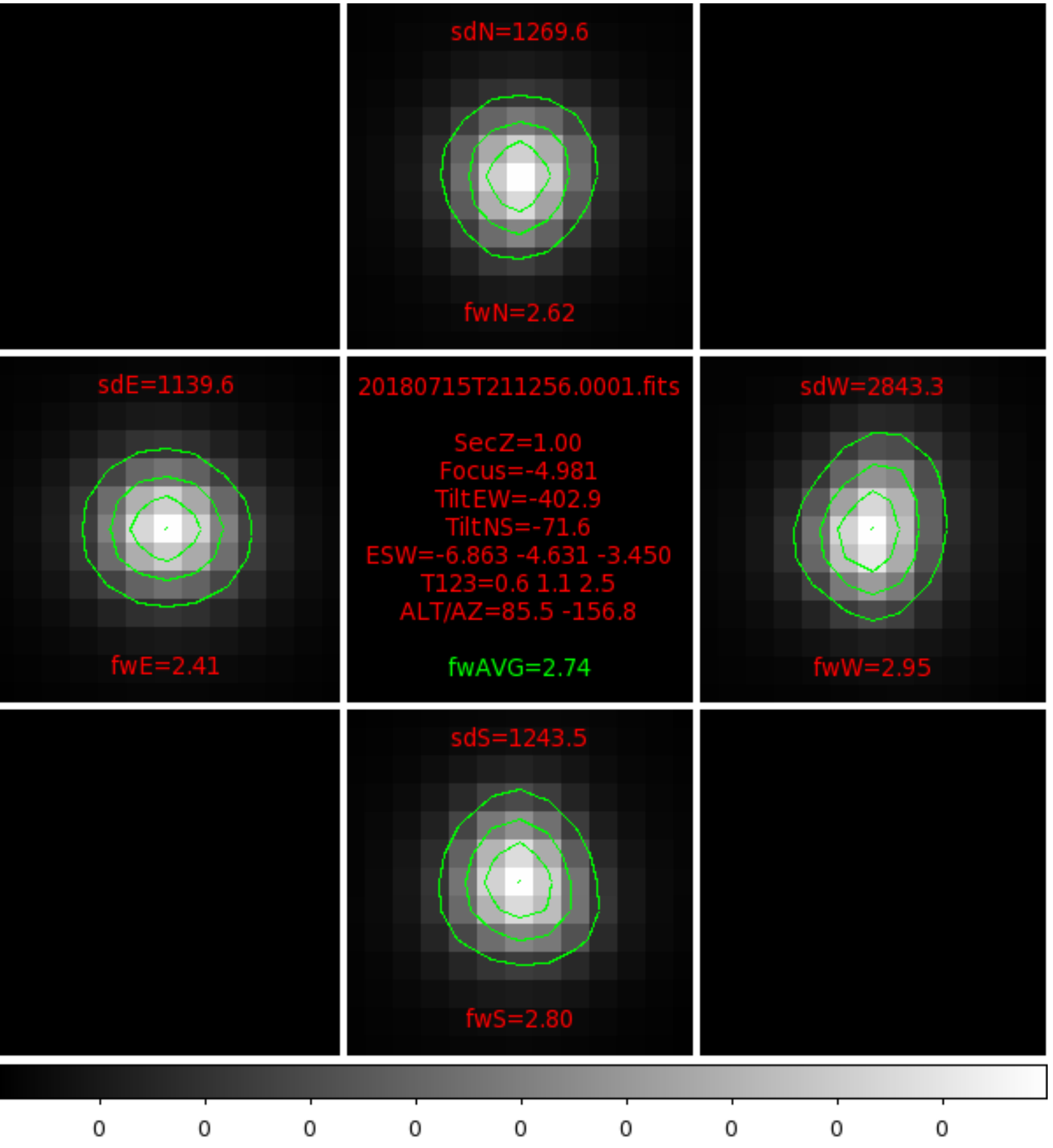
sdN=1269.6
fwN=2.62
sdE=1139.6
fwE=2.41
20180715T211256.0001.fits
SecZ=1.00
Focus=-4.981
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.863 -4.631 -3.450
T123=0.6 1.1 2.5
ALT/AZ=85.5 -156.8
fwAVG=2.74
sdW=2843.3
fwW=2.95
sdS=1243.5
fwS=2.80
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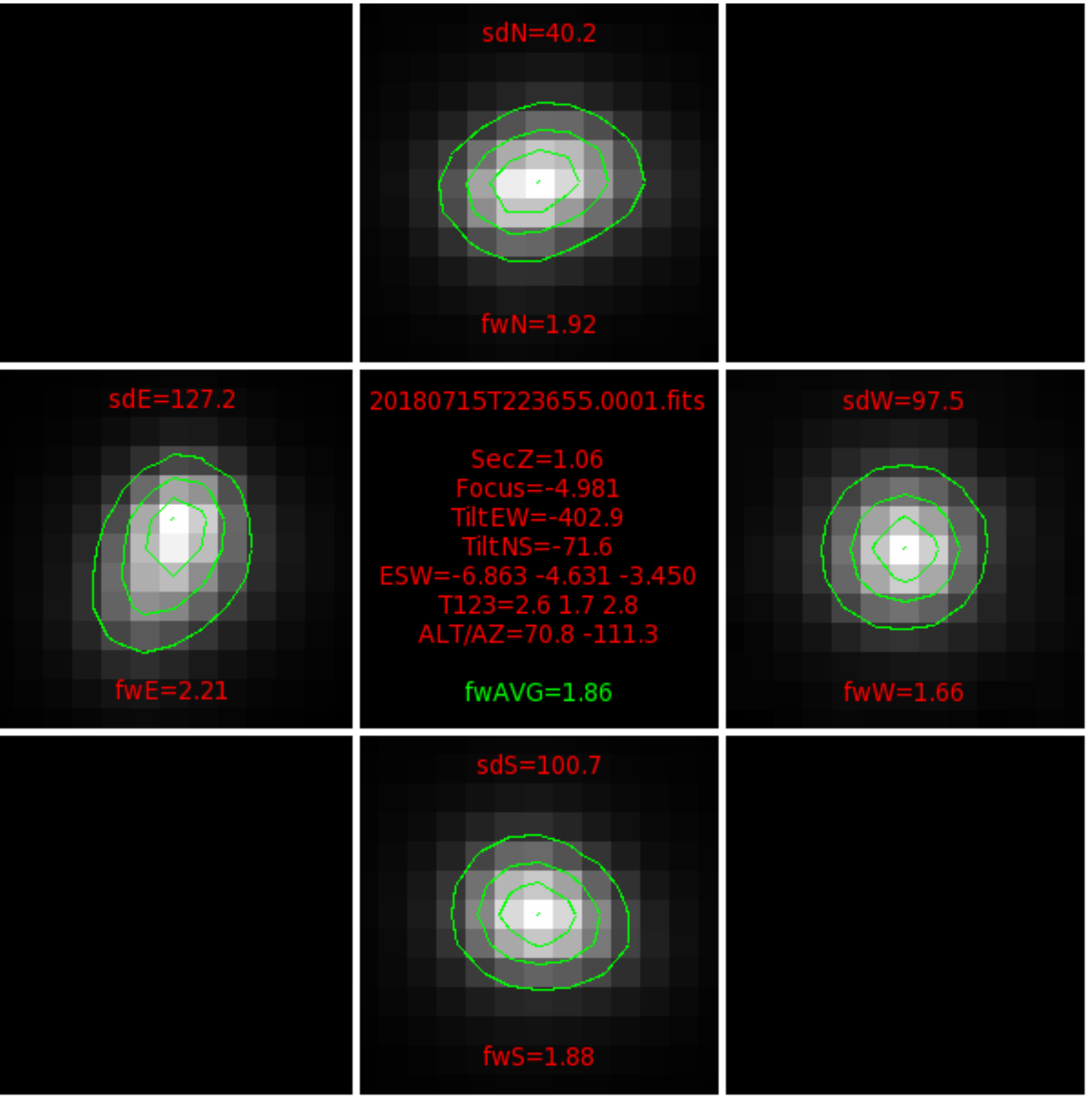
sdN=40.2
fwN=1.92
sdE=127.2
fwE=2.21
20180715T223655.0001.fits
SecZ=1.06
Focus=-4.981
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.863 -4.631 -3.450
T123=2.6 1.7 2.8
ALT/AZ=70.8 -111.3
fwAVG=1.86
sdW=97.5
fwW=1.66
sdS=100.7
fwS=1.88
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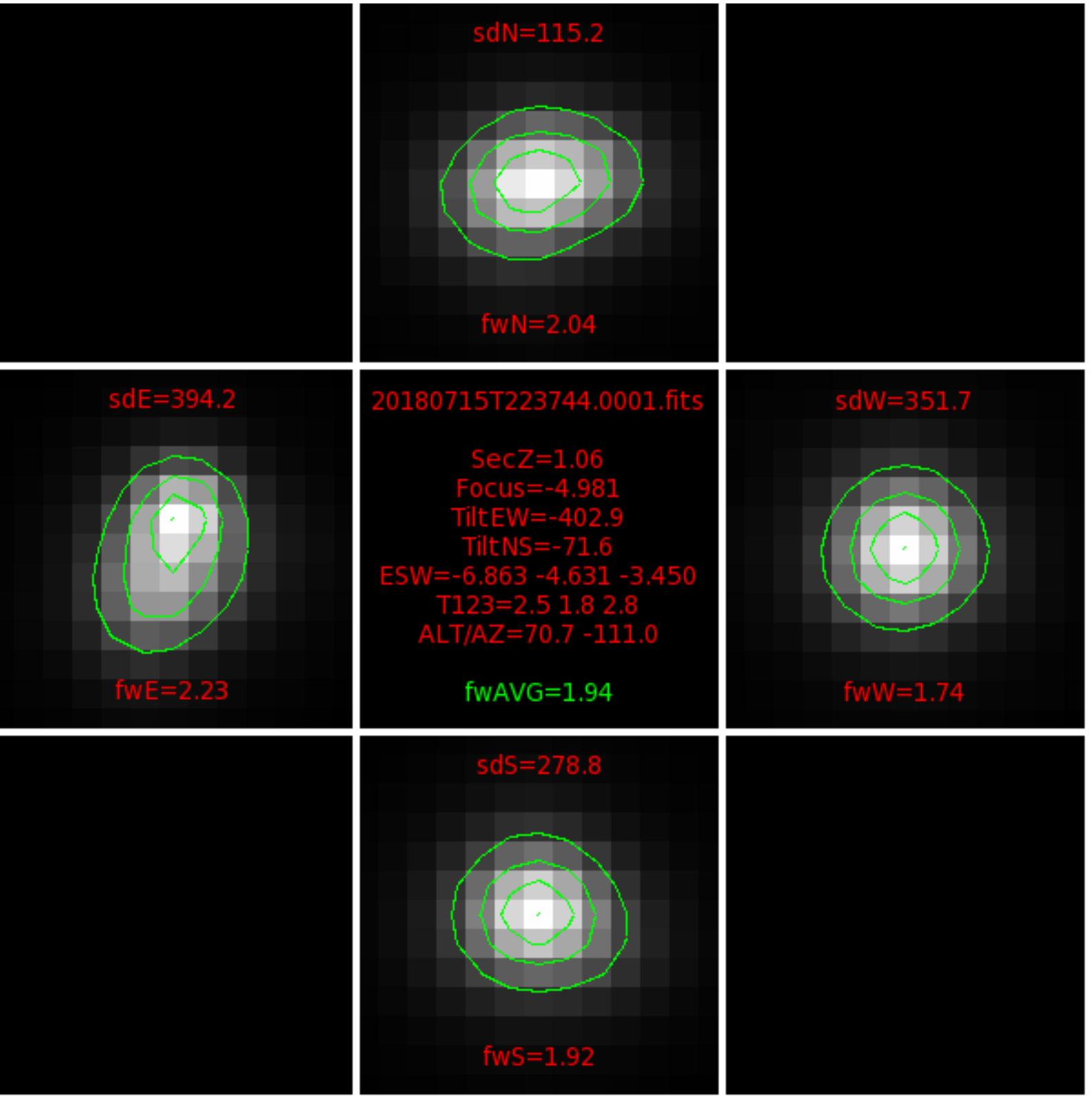
sdN=115.2
fwN=2.04
sdE=394.2
fwE=2.23
20180715T223744.0001.fits
SecZ=1.06
Focus=-4.981
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.863 -4.631 -3.450
T123=2.5 1.8 2.8
ALT/AZ=70.7 -111.0
fwAVG=1.94
sdW=351.7
fwW=1.74
sdS=278.8
fwS=1.92
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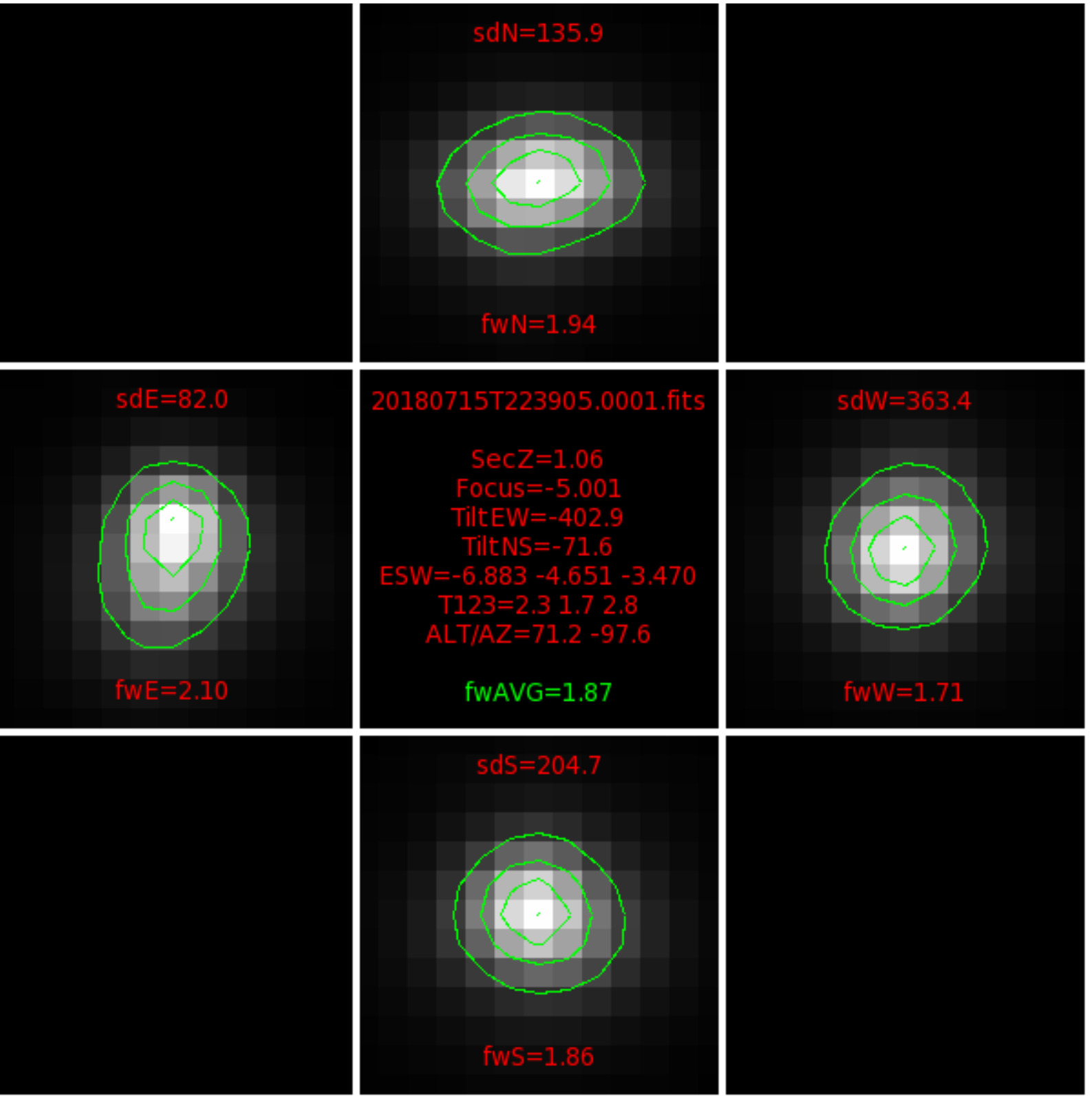
sdN=135.9
fwN=1.94
sdE=82.0
fwE=2.10
20180715T223905.0001.fits
SecZ=1.06
Focus=-5.001
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.883 -4.651 -3.470
T123=2.3 1.7 2.8
ALT/AZ=71.2 -97.6
fwAVG=1.87
sdW=363.4
fwW=1.71
sdS=204.7
fwS=1.86
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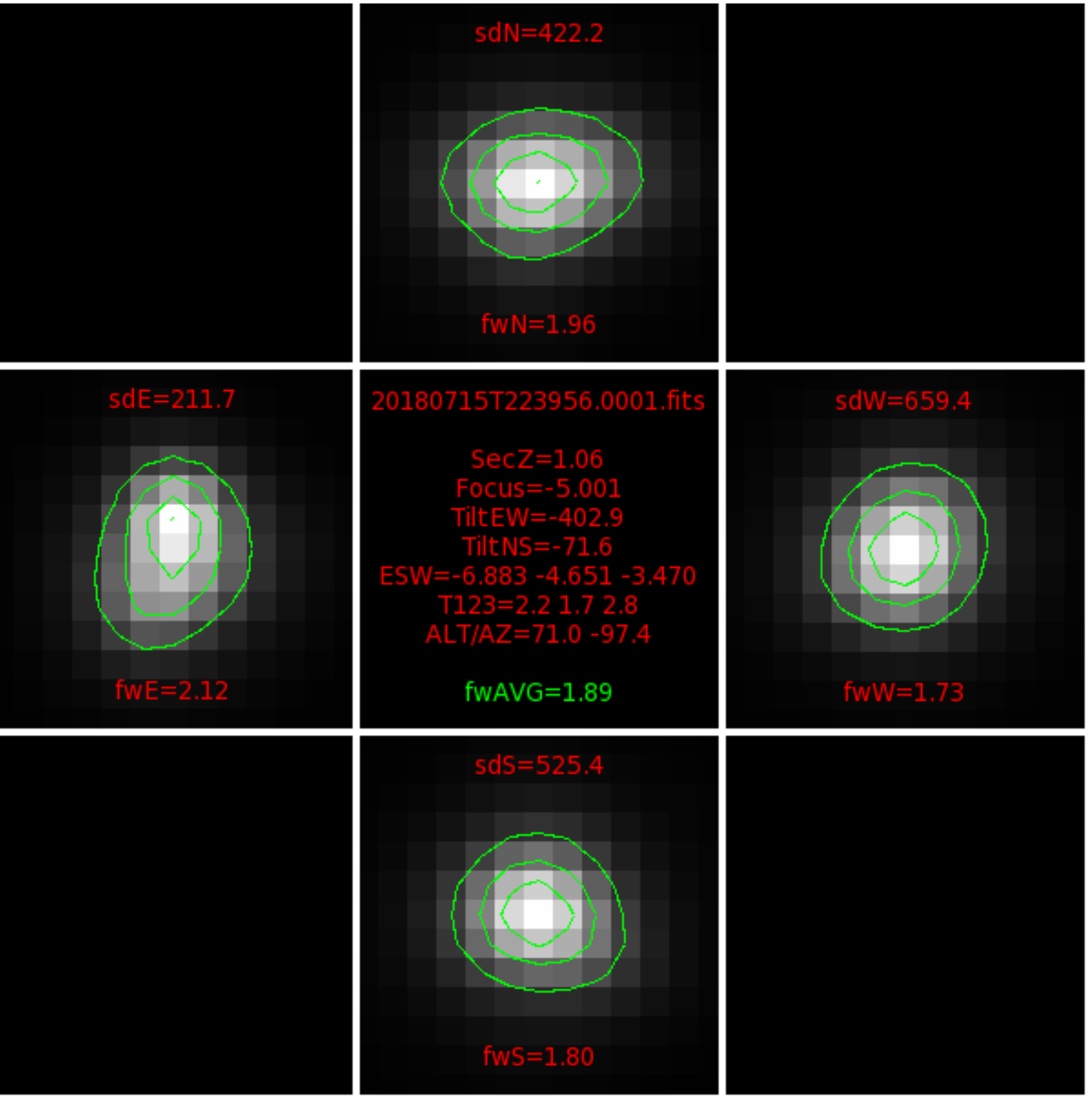
sdN=422.2
fwN=1.96
sdE=211.7
fwE=2.12
20180715T223956.0001.fits
SecZ=1.06
Focus=-5.001
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.883 -4.651 -3.470
T123=2.2 1.7 2.8
ALT/AZ=71.0 -97.4
fwAVG=1.89
sdW=659.4
fwW=1.73
sdS=525.4
fwS=1.80
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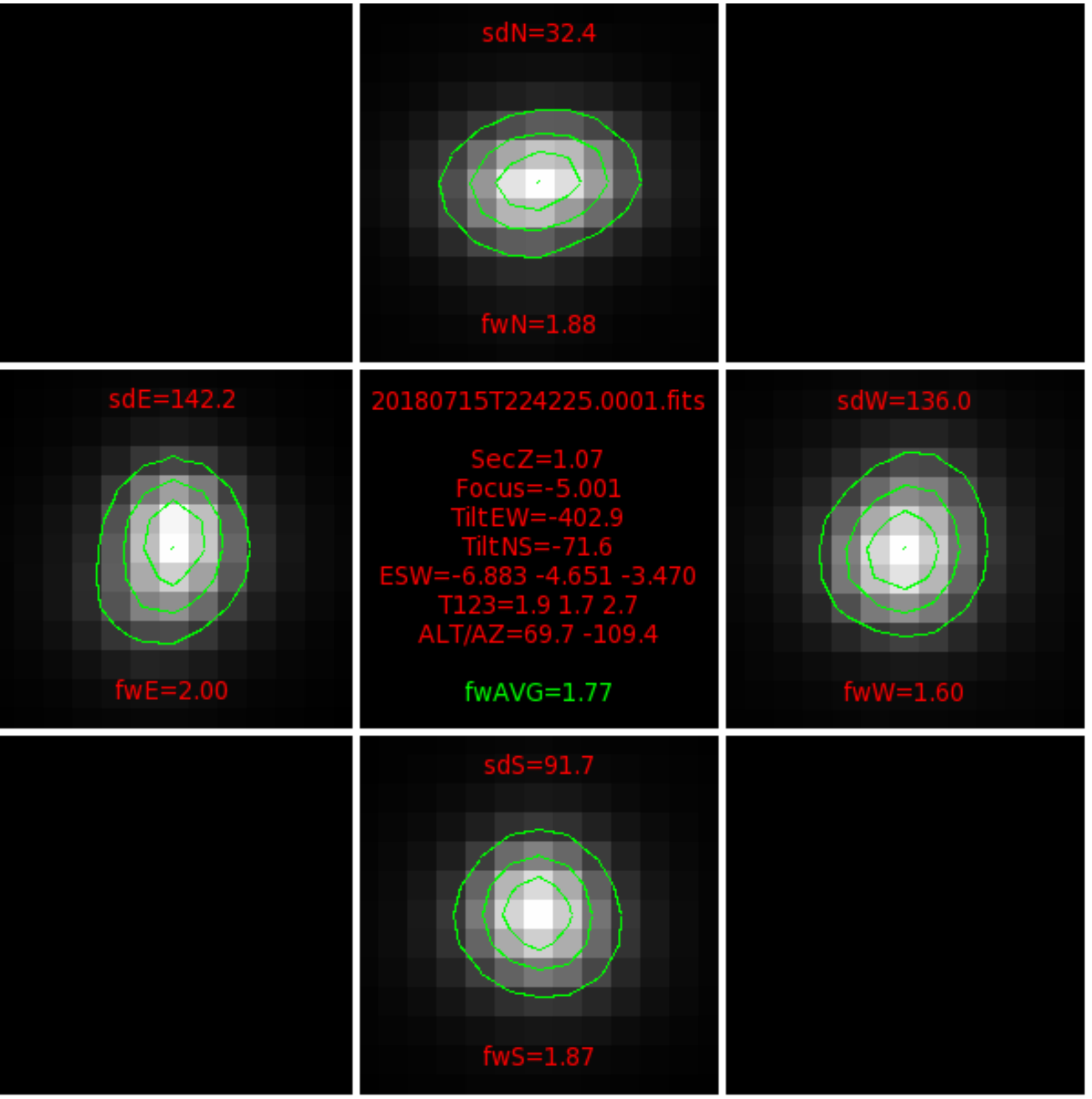
sdN=32.4
fwN=1.88
sdE=142.2
fwE=2.00
20180715T224225.0001.fits
SecZ=1.07
Focus=-5.001
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.883 -4.651 -3.470
T123=1.9 1.7 2.7
ALT/AZ=69.7 -109.4
fwAVG=1.77
sdW=136.0
fwW=1.60
sdS=91.7
fwS=1.87
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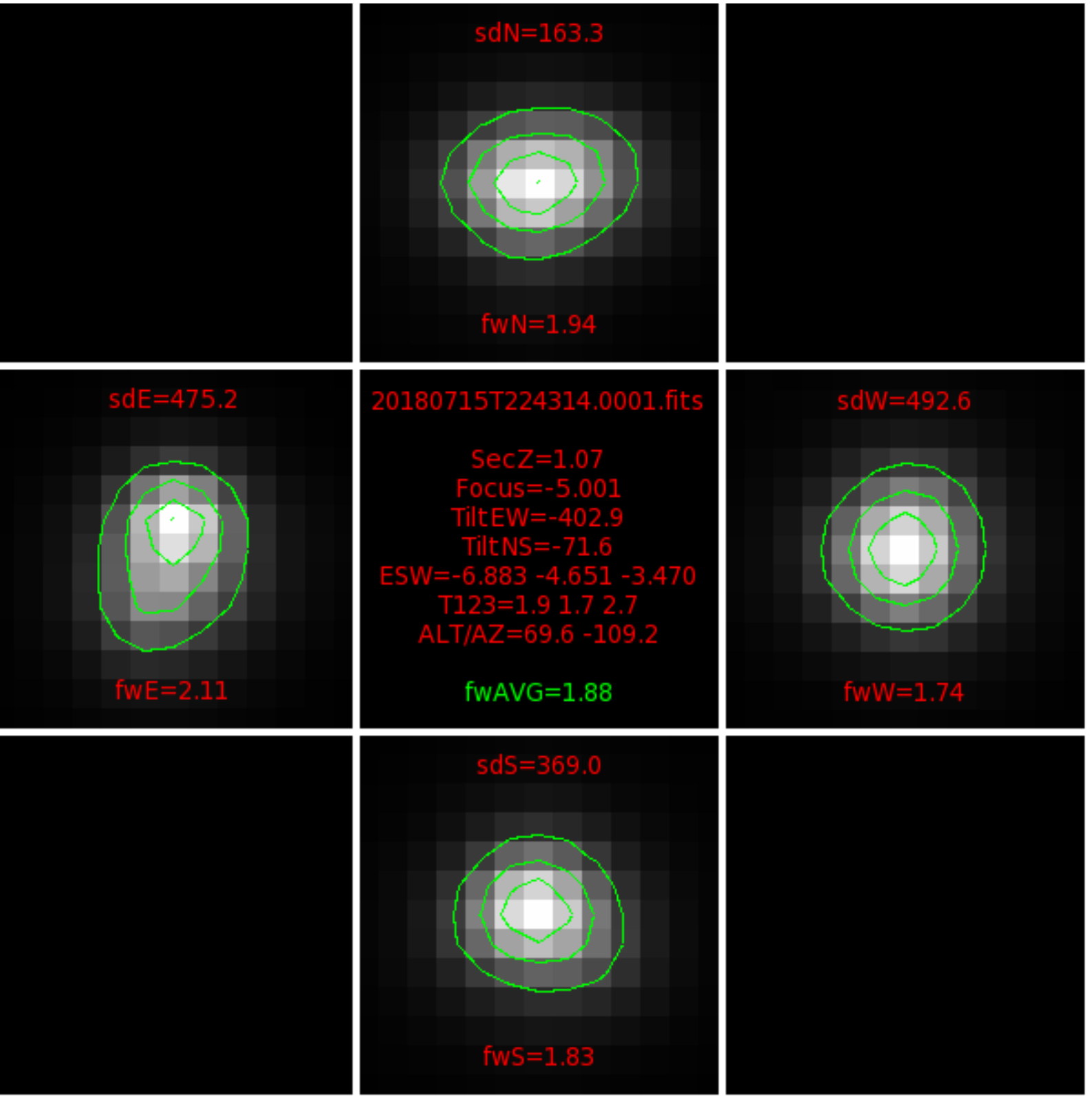
sdN=163.3
fwN=1.94
sdE=475.2
fwE=2.11
20180715T224314.0001.fits
SecZ=1.07
Focus=-5.001
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.883 -4.651 -3.470
T123=1.9 1.7 2.7
ALT/AZ=69.6 -109.2
fwAVG=1.88
sdW=492.6
fwW=1.74
sdS=369.0
fwS=1.83
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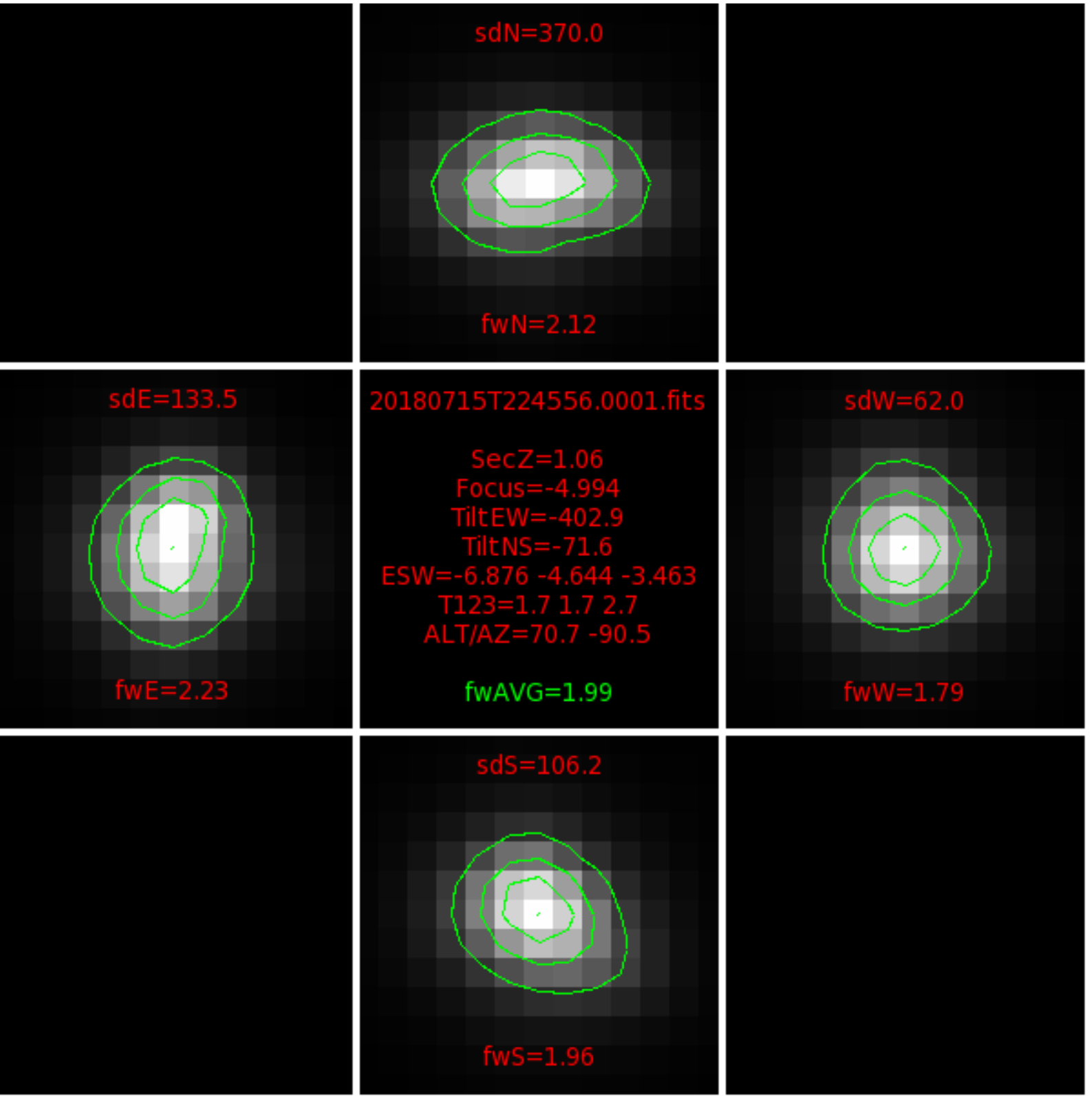
sdN=370.0
fwN=2.12
sdE=133.5
fwE=2.23
20180715T224556.0001.fits
SecZ=1.06
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.7 1.7 2.7
ALT/AZ=70.7 -90.5
fwAVG=1.99
sdW=62.0
fwW=1.79
sdS=106.2
fwS=1.96
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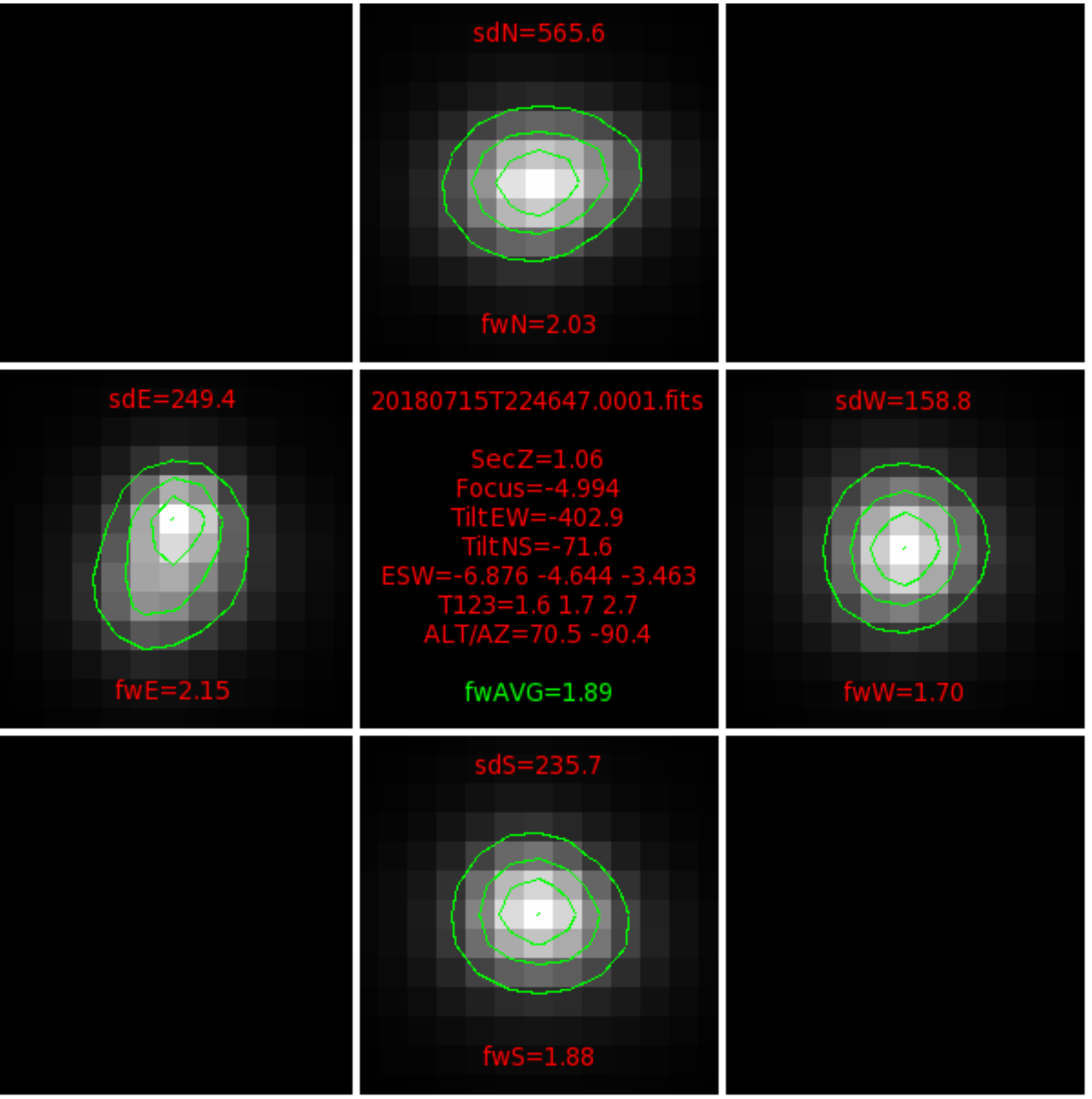
sdN=565.6
fwN=2.03
sdE=249.4
fwE=2.15
20180715T224647.0001.fits
SecZ=1.06
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.6 1.7 2.7
ALT/AZ=70.5 -90.4
fwAVG=1.89
sdW=158.8
fwW=1.70
sdS=235.7
fwS=1.88
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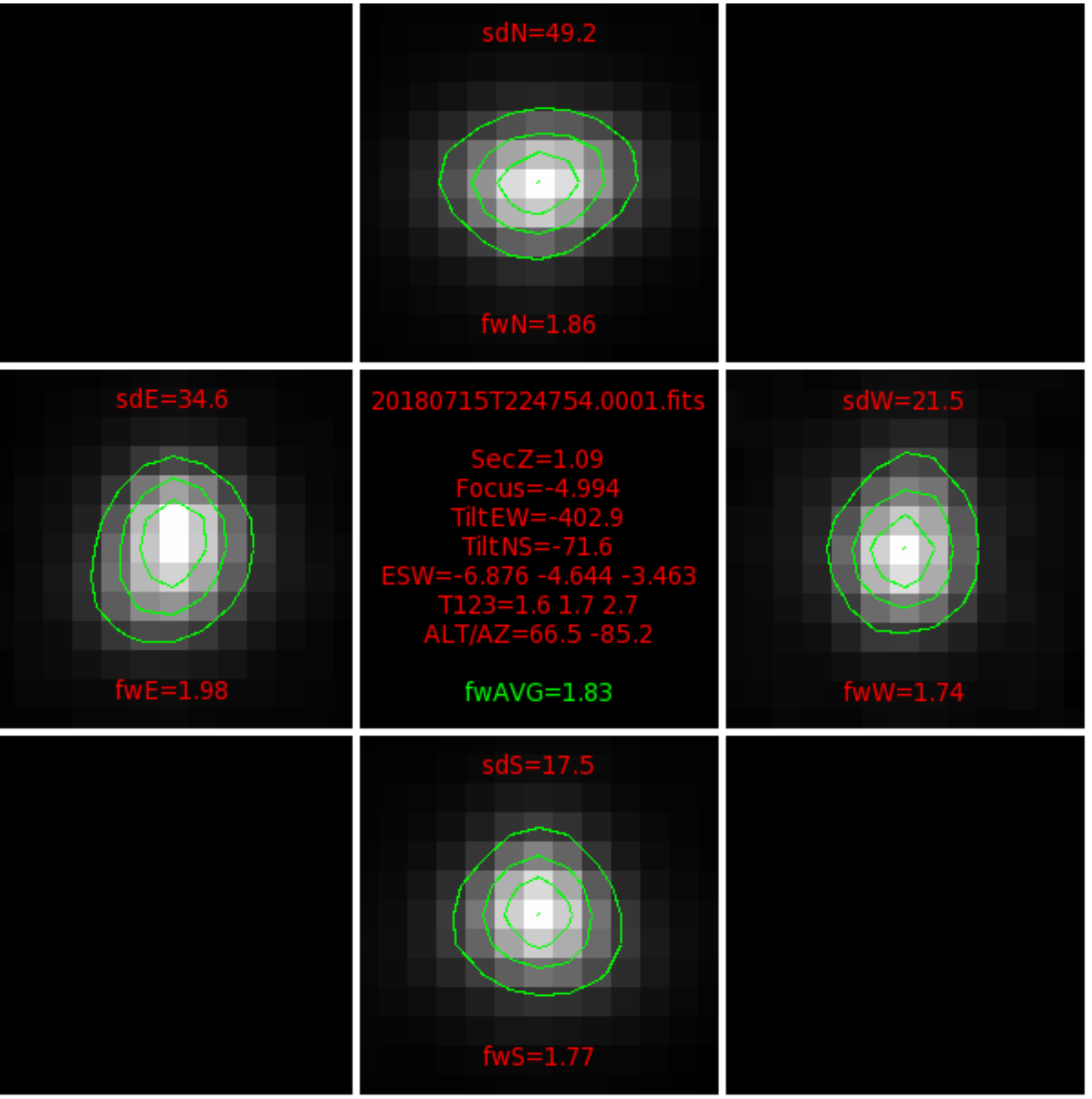
sdN=49.2
fwN=1.86
sdE=34.6
fwE=1.98
20180715T224754.0001.fits
SecZ=1.09
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.6 1.7 2.7
ALT/AZ=66.5 -85.2
fwAVG=1.83
sdW=21.5
fwW=1.74
sdS=17.5
fwS=1.77
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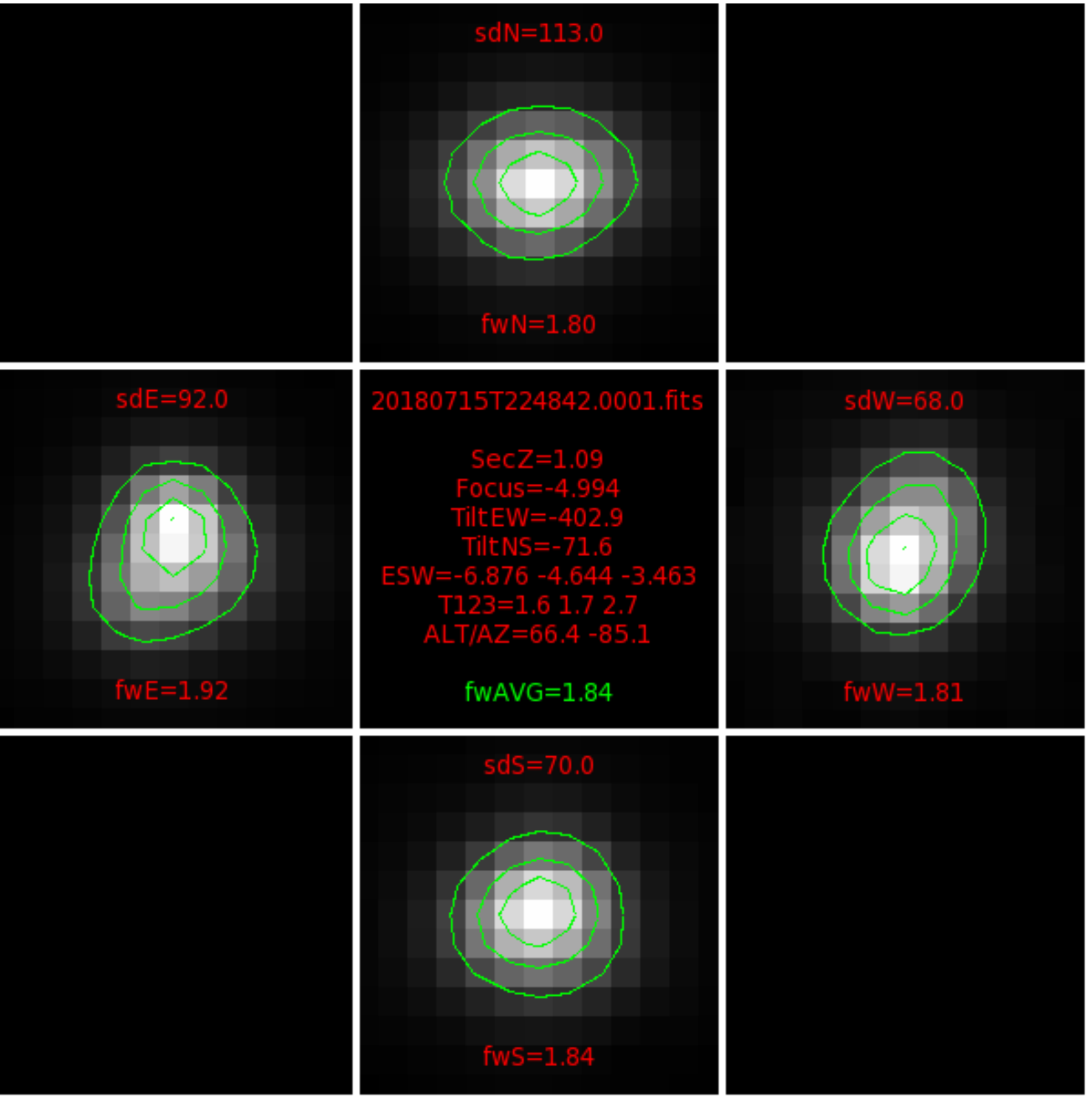
sdN=113.0
fwN=1.80
sdE=92.0
fwE=1.92
20180715T224842.0001.fits
SecZ=1.09
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.6 1.7 2.7
ALT/AZ=66.4 -85.1
fwAVG=1.84
sdW=68.0
fwW=1.81
sdS=70.0
fwS=1.84
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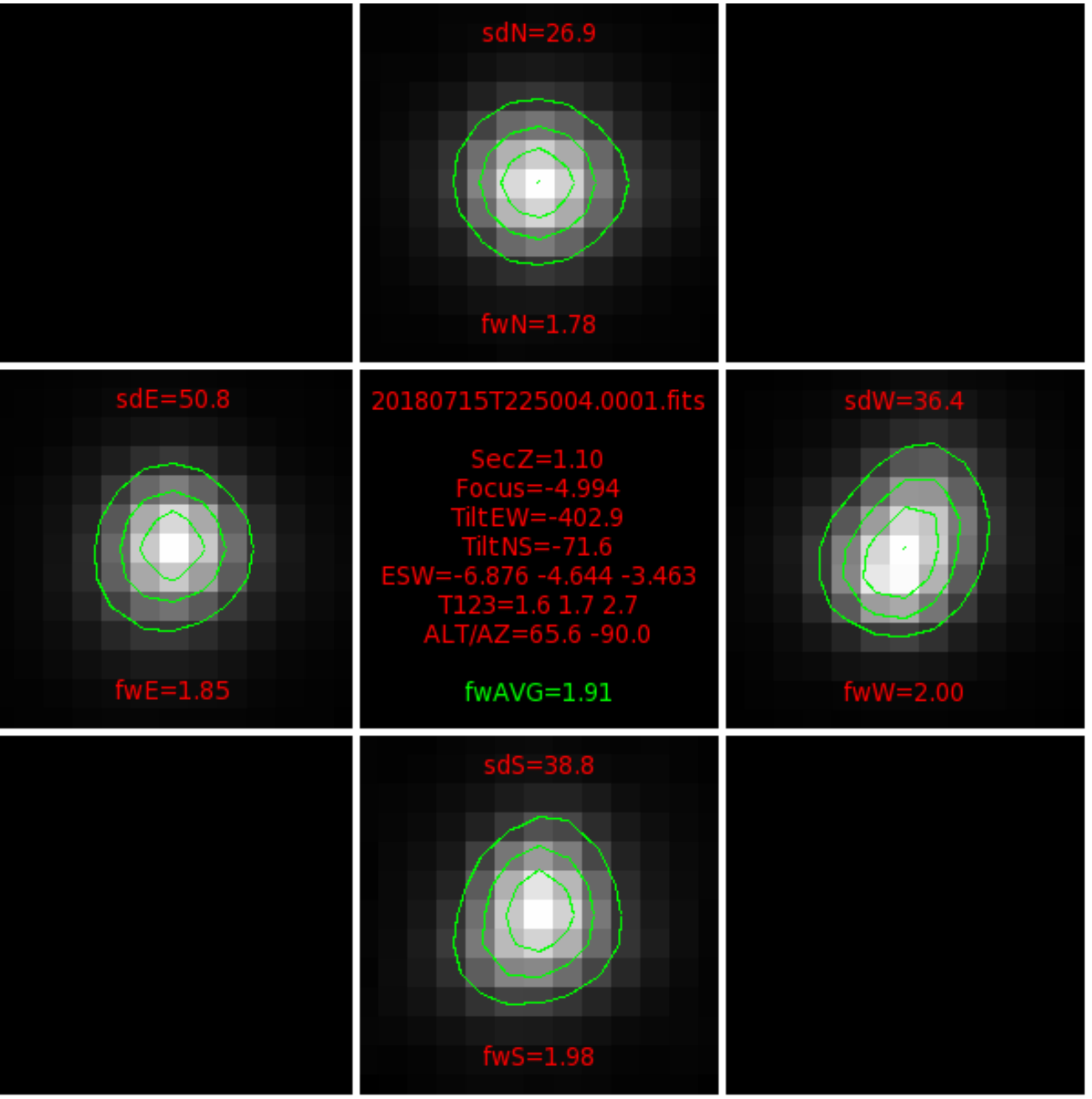
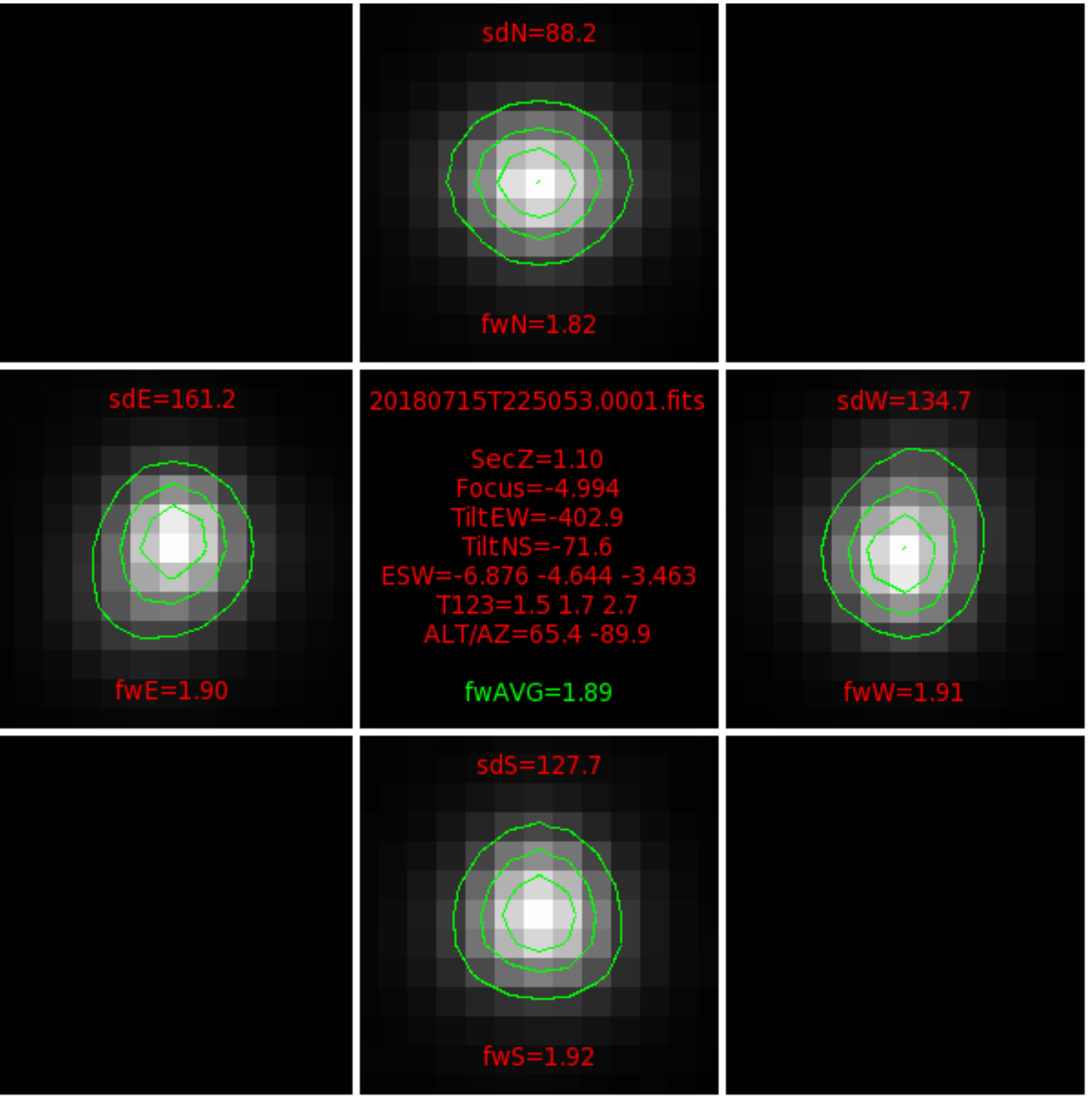
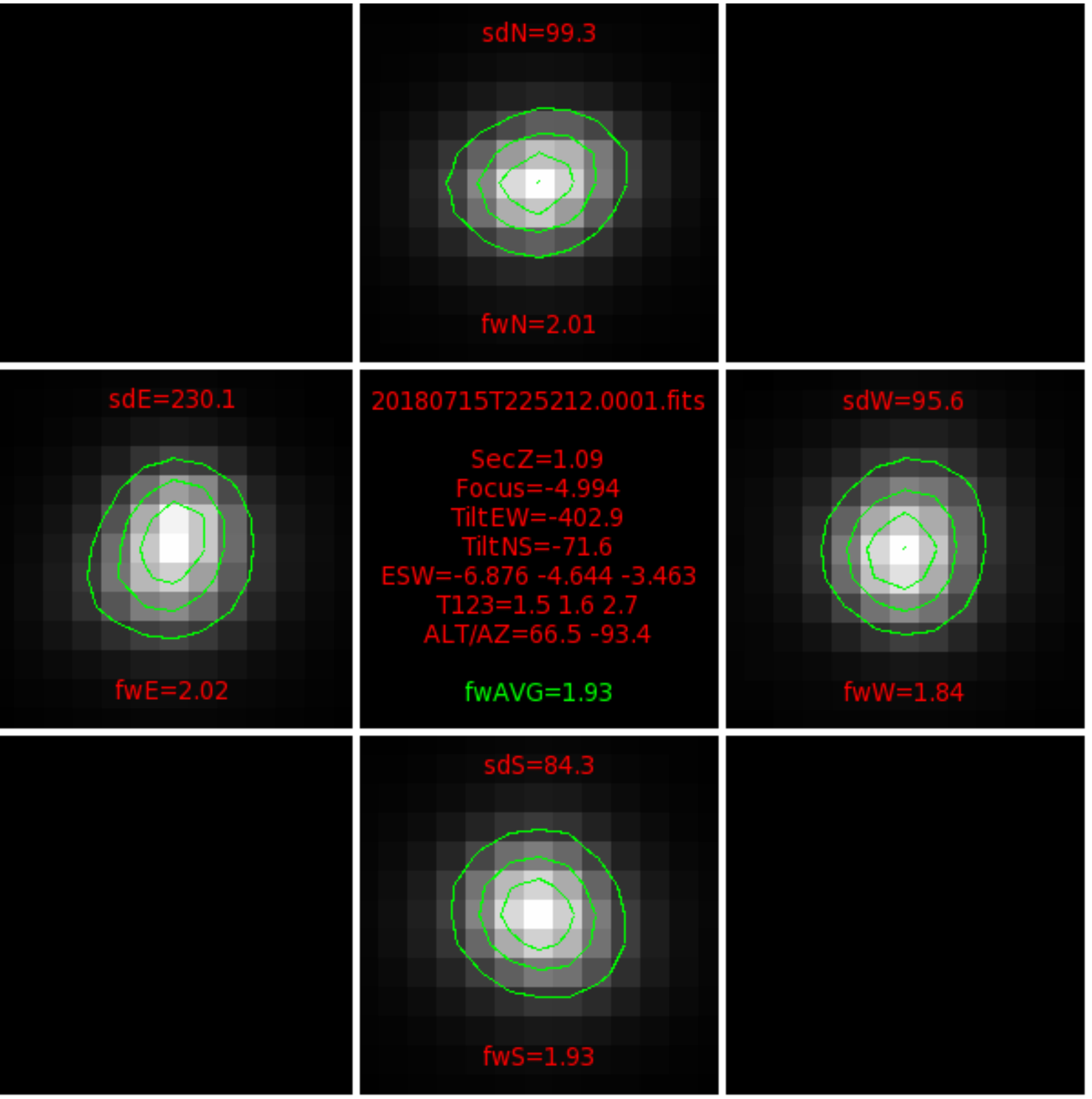

sdN=26.9
fwN=1.78
sdE=50.8
fwE=1.85
20180715T225004.0001.fits
SecZ=1.10
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.6 1.7 2.7
ALT/AZ=65.6 -90.0
fwAVG=1.91
sdW=36.4
fwW=2.00
sdS=38.8
fwS=1.98
0 0 0 0 0 0 0 0 0


sdN=88.2
fwN=1.82
sdE=161.2
fwE=1.90
20180715T225053.0001.fits
SecZ=1.10
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.5 1.7 2.7
ALT/AZ=65.4 -89.9
fwAVG=1.89
sdW=134.7
fwW=1.91
sdS=127.7
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=99.3
fwN=2.01
sdE=230.1
fwE=2.02
20180715T225212.0001.fits
SecZ=1.09
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.5 1.6 2.7
ALT/AZ=66.5 -93.4
fwAVG=1.93
sdW=95.6
fwW=1.84
sdS=84.3
fwS=1.93
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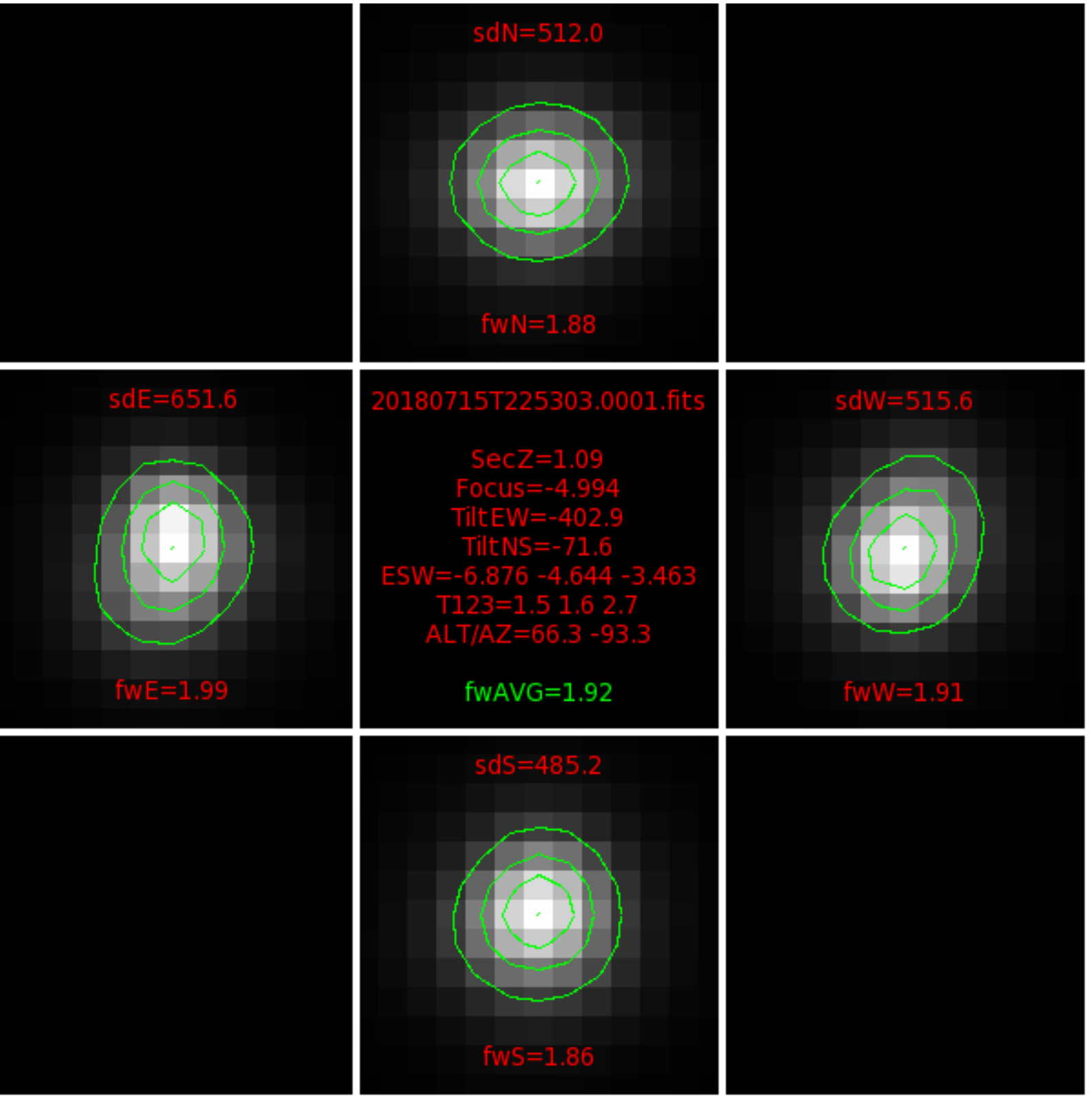
sdN=512.0
fwN=1.88
sdE=651.6
fwE=1.99
20180715T225303.0001.fits
SecZ=1.09
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.5 1.6 2.7
ALT/AZ=66.3 -93.3
fwAVG=1.92
sdW=515.6
fwW=1.91
sdS=485.2
fwS=1.86
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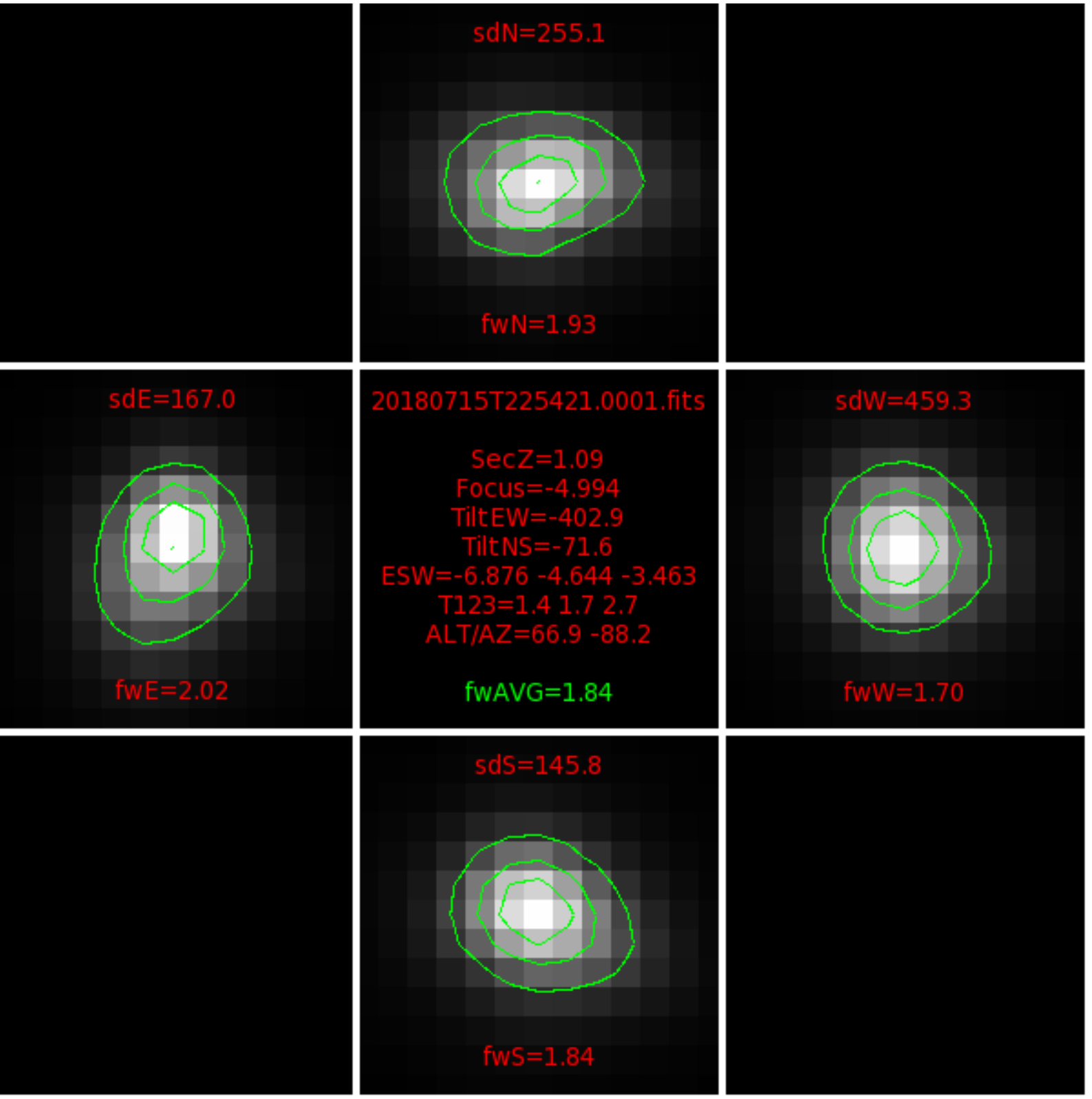
sdN=255.1
fwN=1.93
sdE=167.0
fwE=2.02
20180715T225421.0001.fits
SecZ=1.09
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.4 1.7 2.7
ALT/AZ=66.9 -88.2
fwAVG=1.84
sdW=459.3
fwW=1.70
sdS=145.8
fwS=1.84
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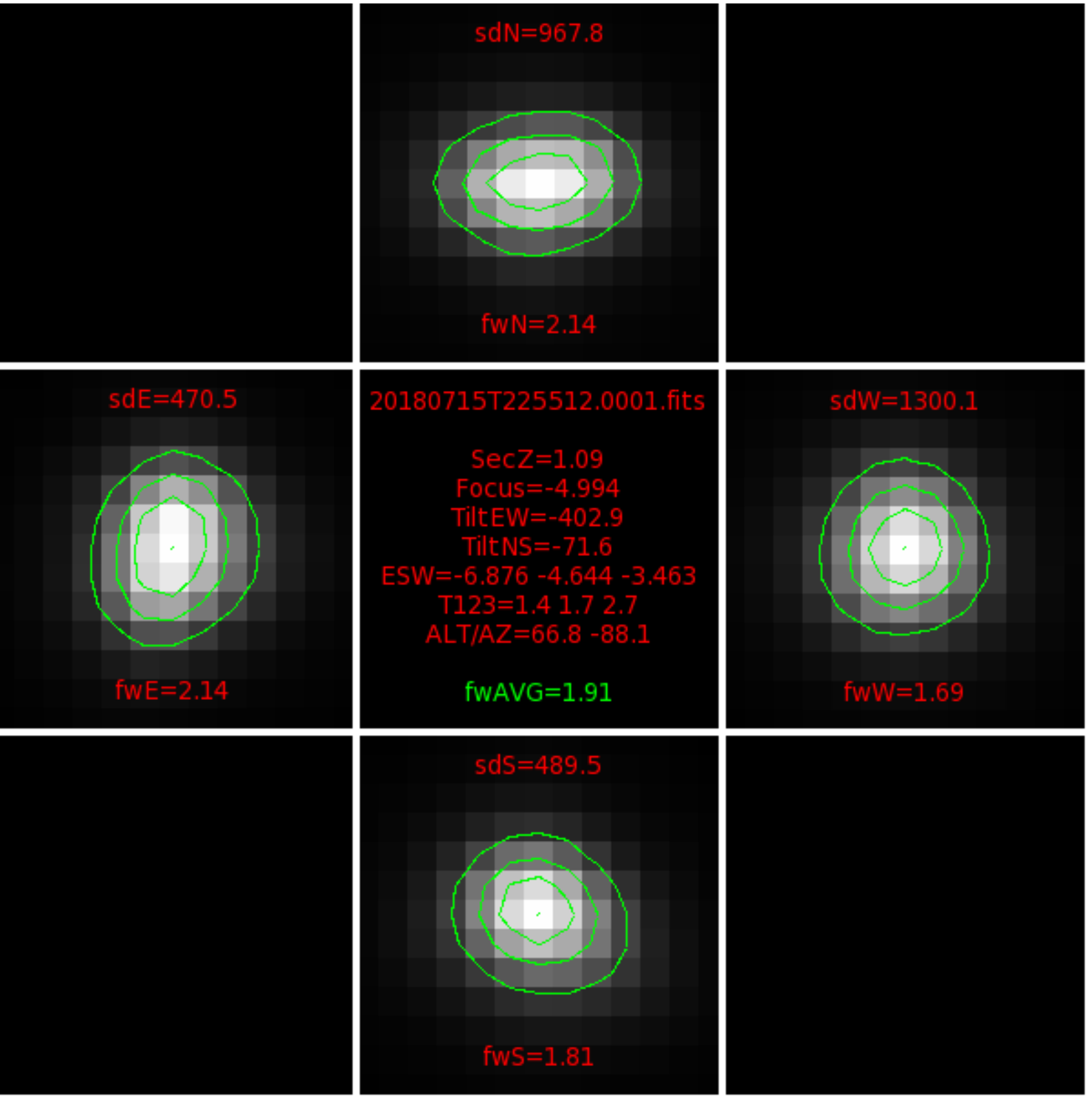
sdN=967.8
fwN=2.14
sdE=470.5
fwE=2.14
20180715T225512.0001.fits
SecZ=1.09
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.4 1.7 2.7
ALT/AZ=66.8 -88.1
fwAVG=1.91
sdW=1300.1
fwW=1.69
sdS=489.5
fwS=1.81
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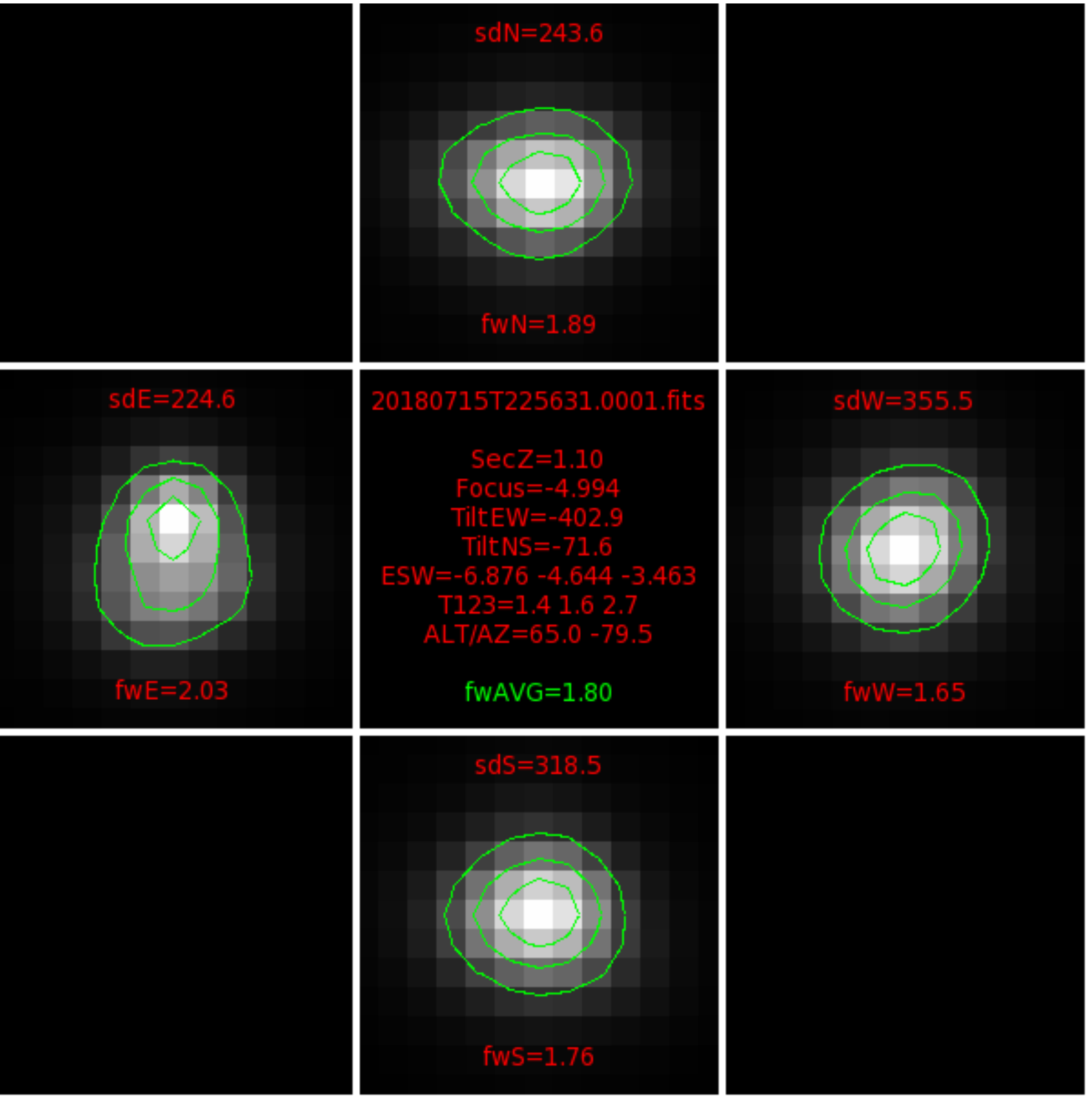
sdN=243.6
fwN=1.89
sdE=224.6
fwE=2.03
20180715T225631.0001.fits
SecZ=1.10
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.4 1.6 2.7
ALT/AZ=65.0 -79.5
fwAVG=1.80
sdW=355.5
fwW=1.65
sdS=318.5
fwS=1.76
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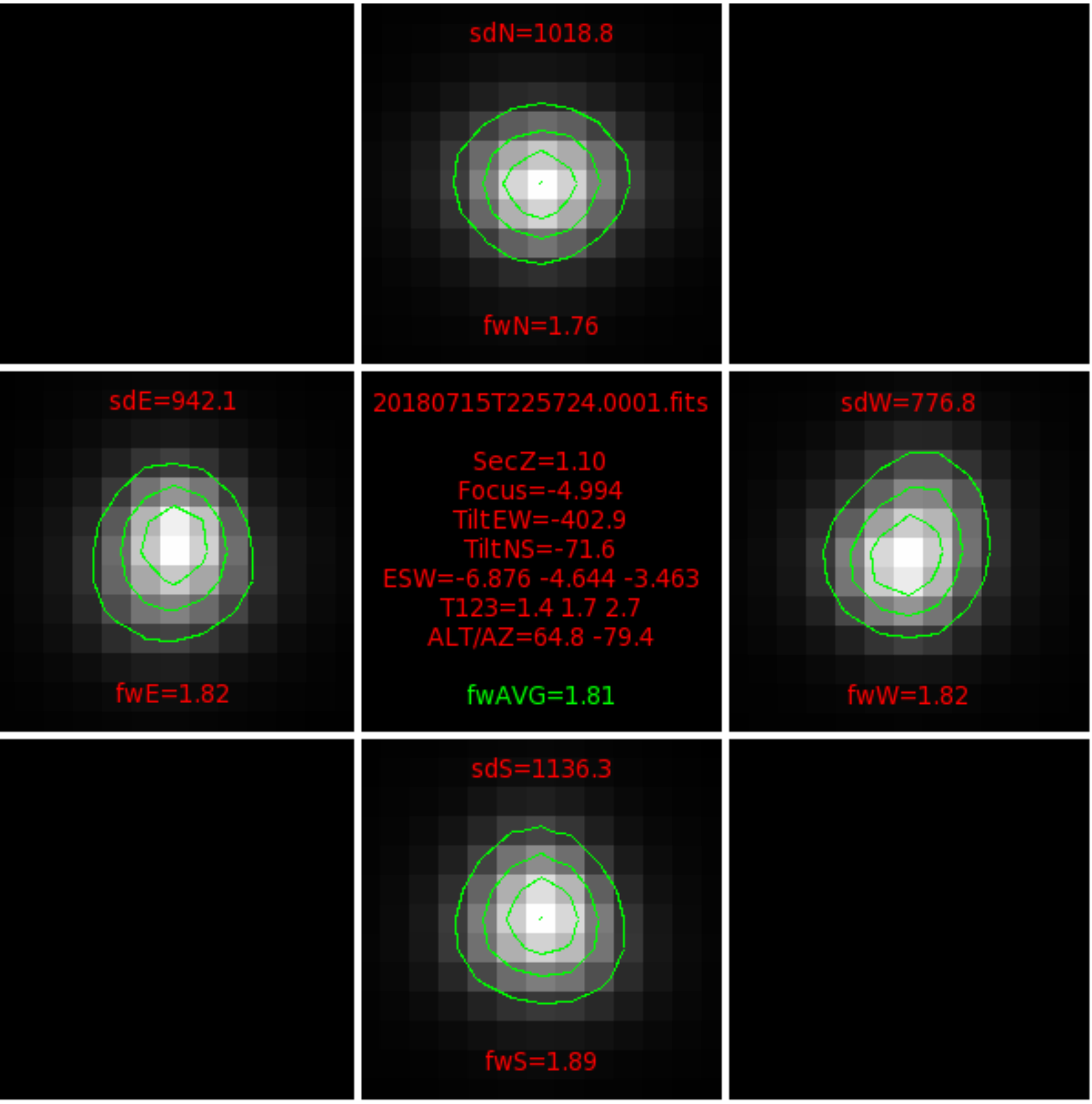
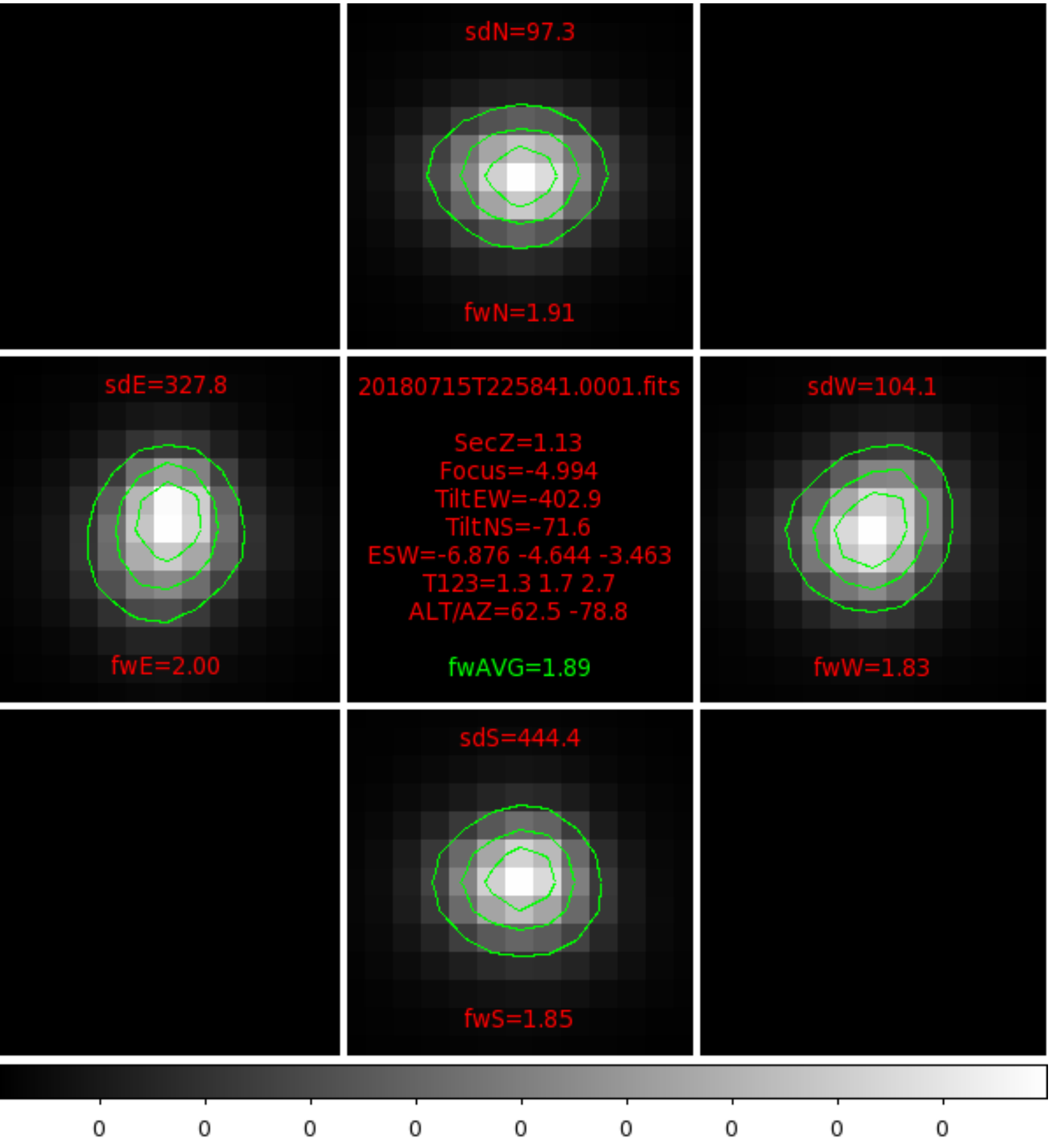

sdN=1018.8
fwN=1.76
sdE=942.1
fwE=1.82
20180715T225724.0001.fits
SecZ=1.10
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.4 1.7 2.7
ALT/AZ=64.8 -79.4
fwAVG=1.81
sdW=776.8
fwW=1.82
sdS=1136.3
fwS=1.89
0 0 0 0 0 0 0 0 0


sdN=97.3
fwN=1.91
sdE=327.8
fwE=2.00
20180715T225841.0001.fits
SecZ=1.13
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.3 1.7 2.7
ALT/AZ=62.5 -78.8
fwAVG=1.89
sdW=104.1
fwW=1.83
sdS=444.4
fwS=1.85
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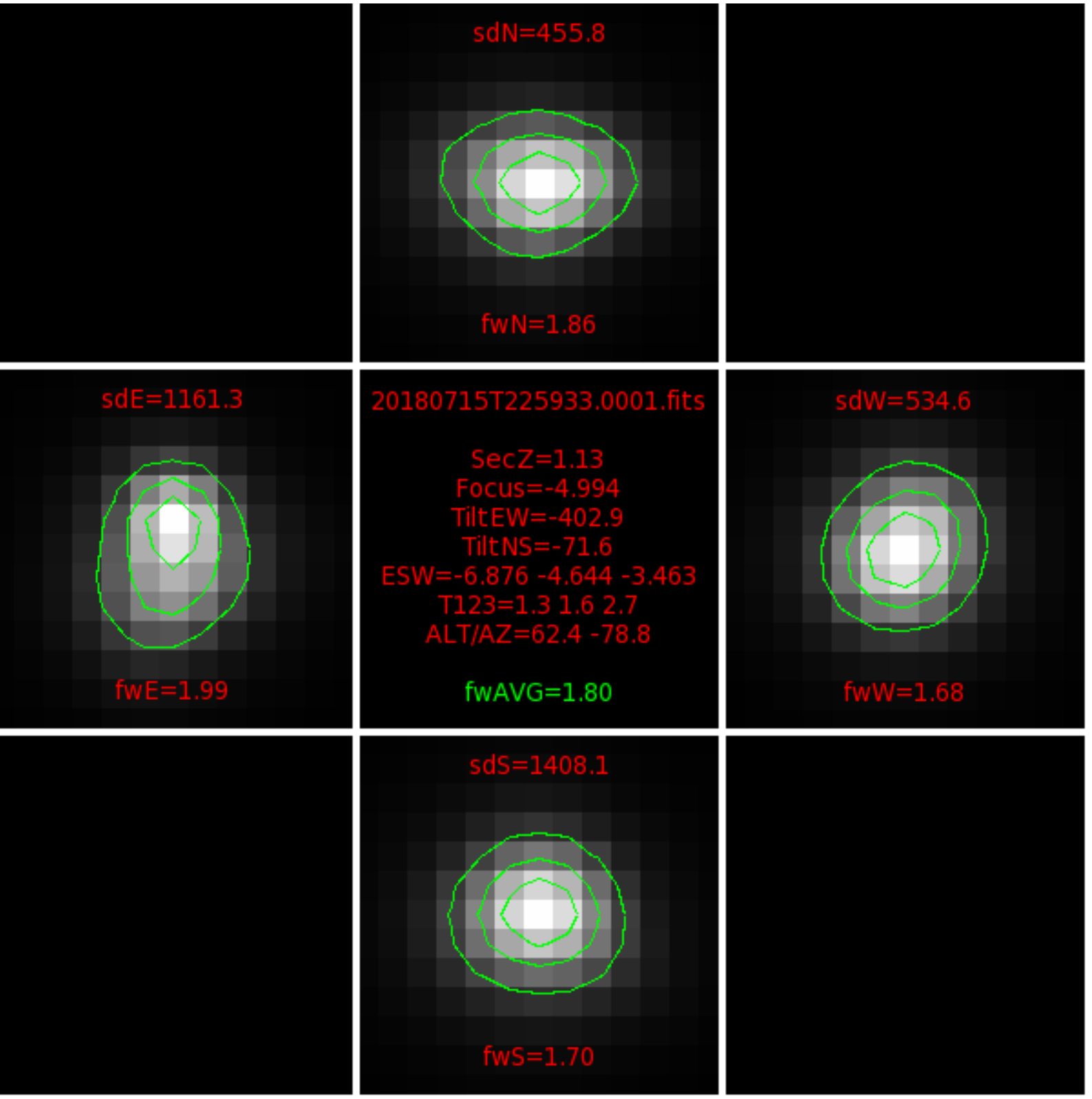
sdN=455.8
fwN=1.86
sdE=1161.3
fwE=1.99
20180715T225933.0001.fits
SecZ=1.13
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.3 1.6 2.7
ALT/AZ=62.4 -78.8
fwAVG=1.80
sdW=534.6
fwW=1.68
sdS=1408.1
fwS=1.70
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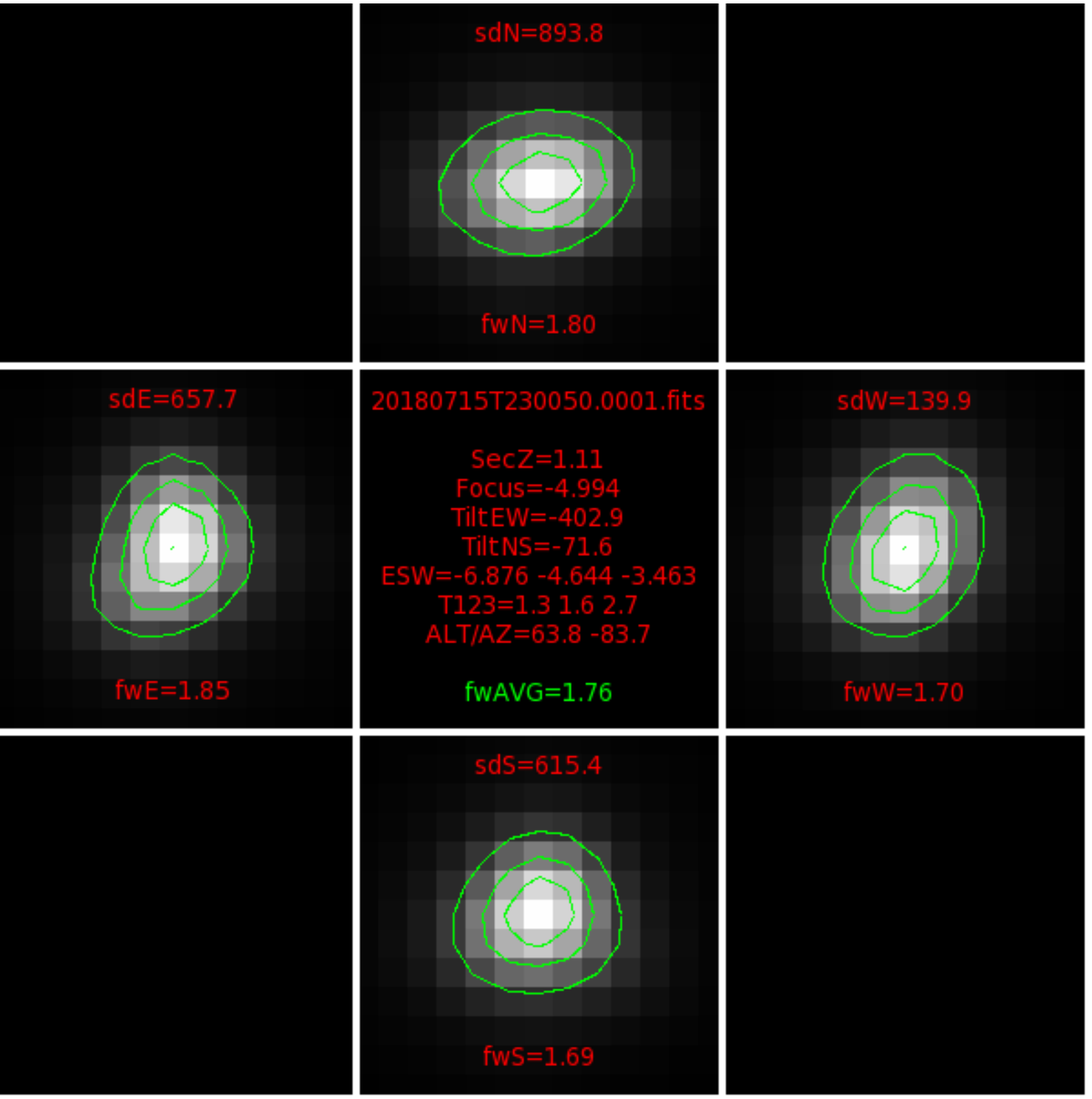
sdN=893.8
fwN=1.80
sdE=657.7
fwE=1.85
20180715T230050.0001.fits
SecZ=1.11
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.3 1.6 2.7
ALT/AZ=63.8 -83.7
fwAVG=1.76
sdW=139.9
fwW=1.70
sdS=615.4
fwS=1.69
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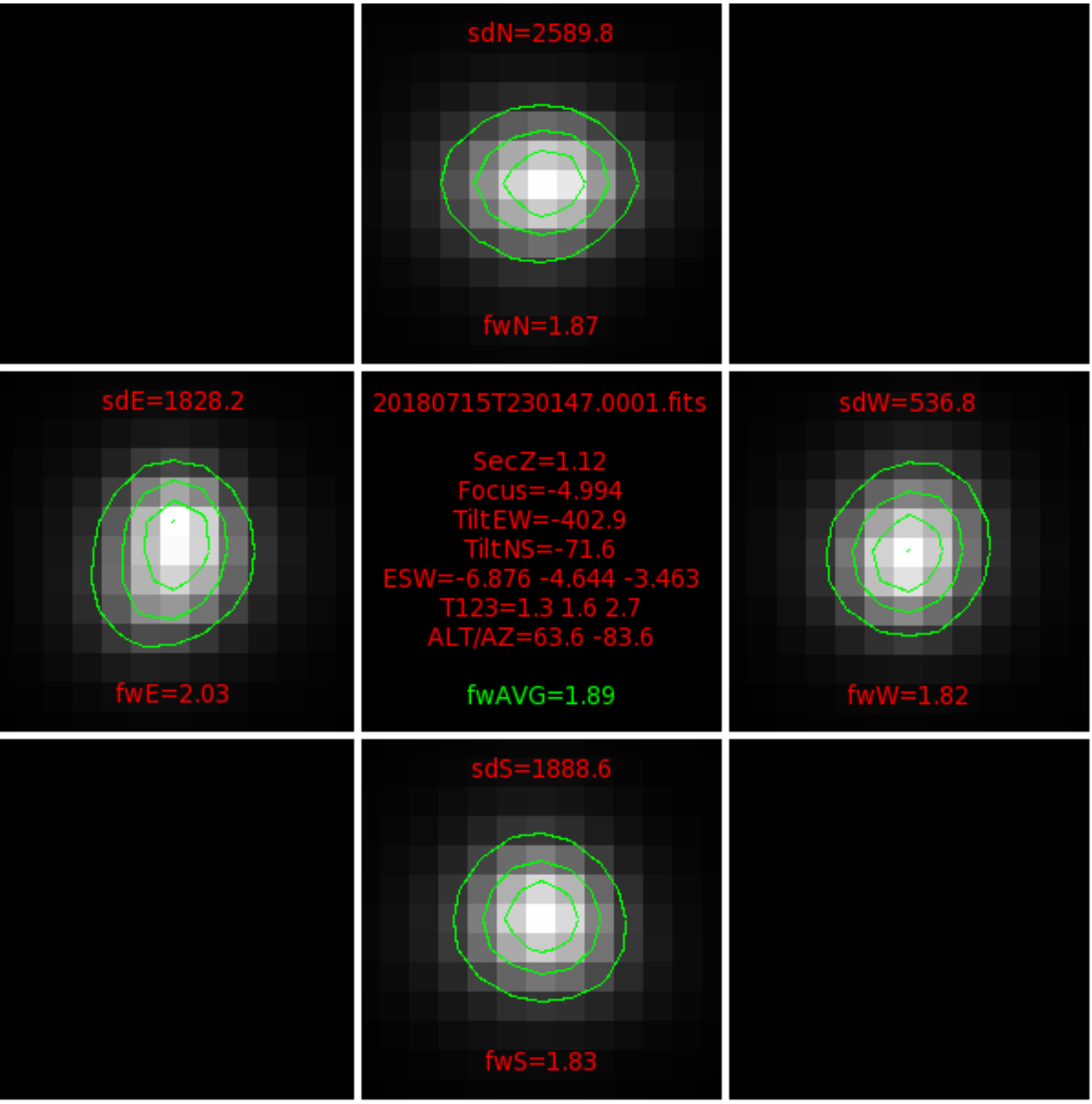
sdN=2589.8
fwN=1.87
sdE=1828.2
fwE=2.03
20180715T230147.0001.fits
SecZ=1.12
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.3 1.6 2.7
ALT/AZ=63.6 -83.6
fwAVG=1.89
sdW=536.8
fwW=1.82
sdS=1888.6
fwS=1.83
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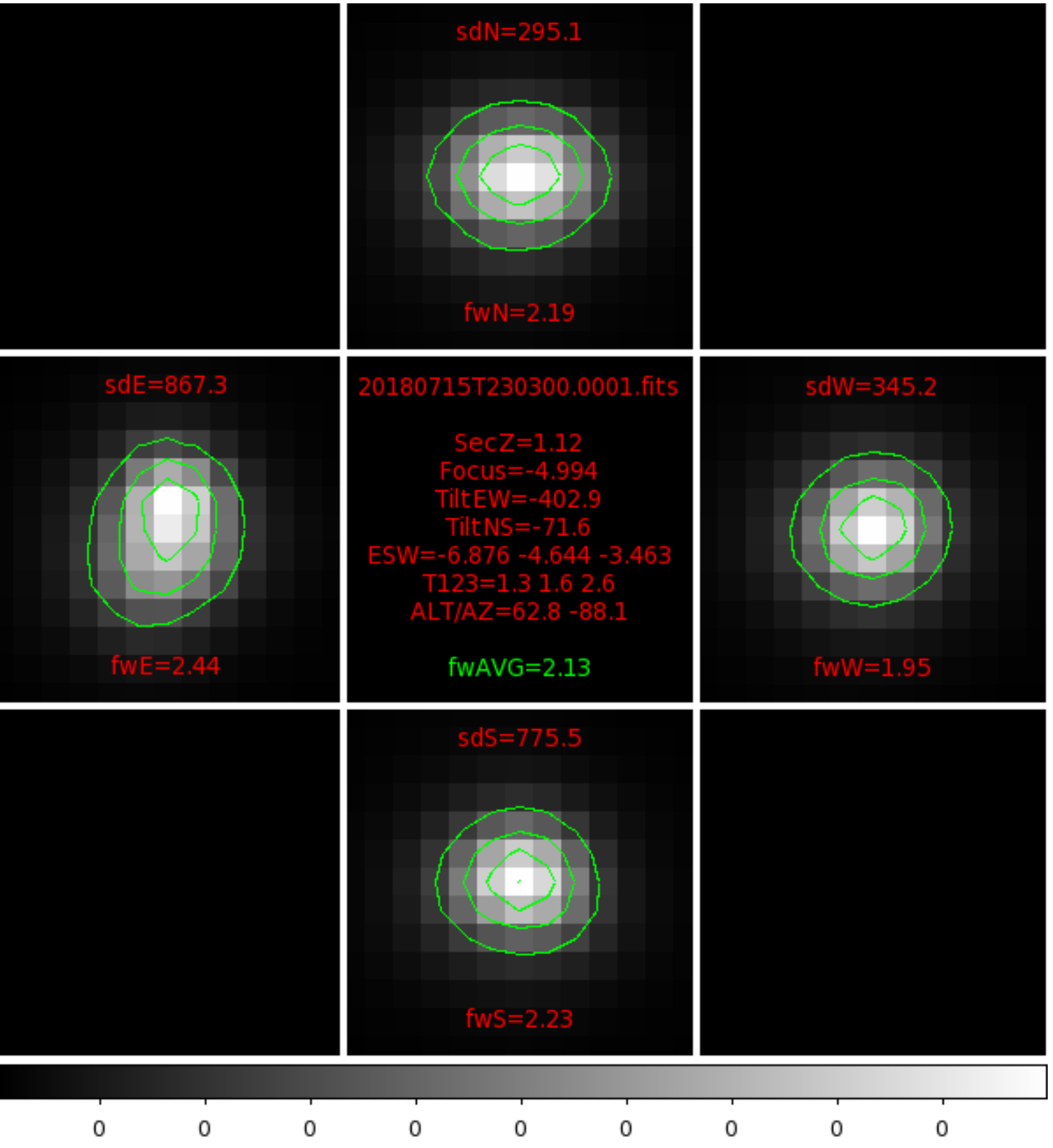
sdN=295.1
fwN=2.19
sdE=867.3
fwE=2.44
20180715T230300.0001.fits
SecZ=1.12
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.3 1.6 2.6
ALT/AZ=62.8 -88.1
fwAVG=2.13
sdW=345.2
fwW=1.95
sdS=775.5
fwS=2.23
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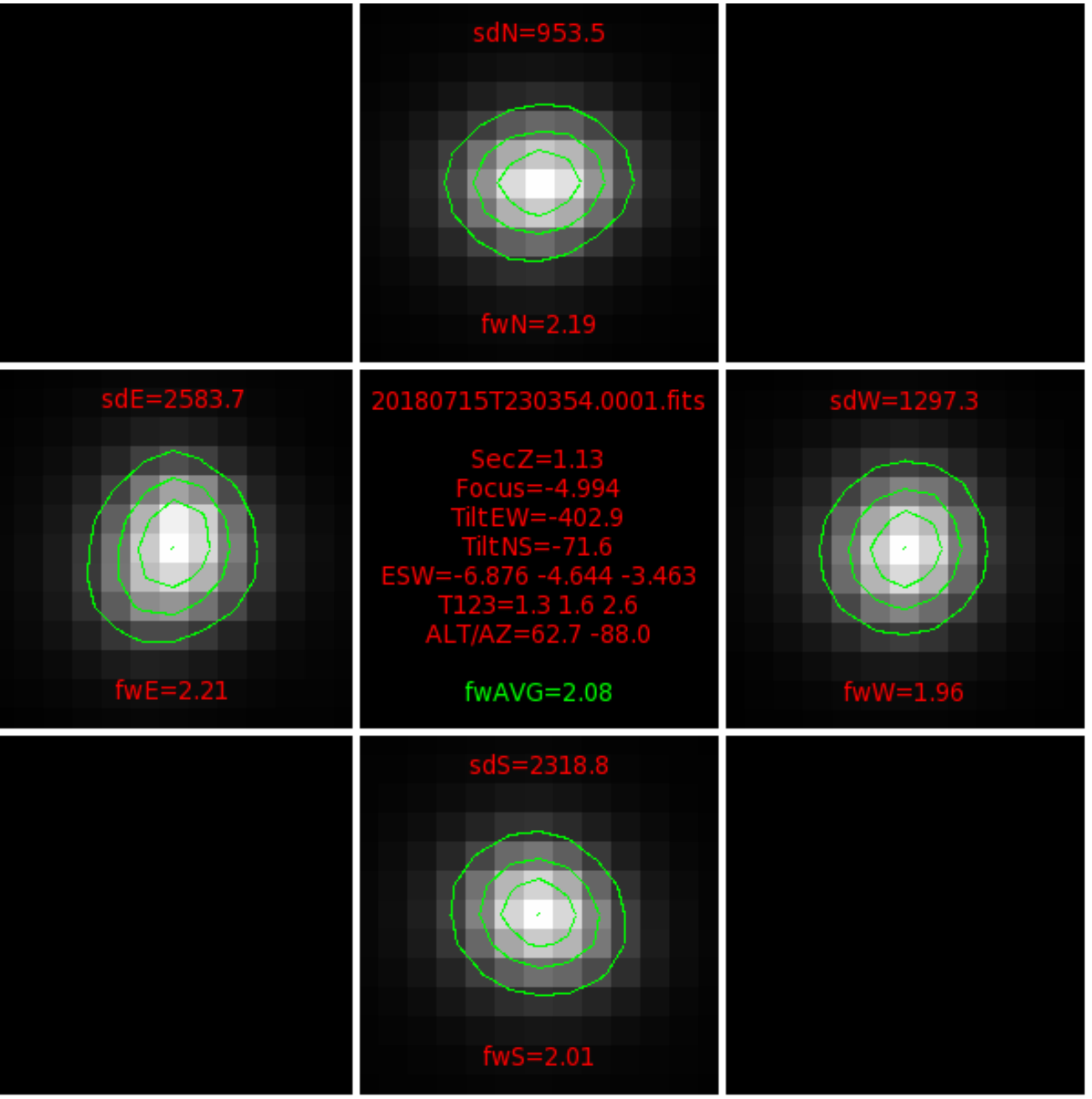
sdN=953.5
fwN=2.19
sdE=2583.7
fwE=2.21
20180715T230354.0001.fits
SecZ=1.13
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.3 1.6 2.6
ALT/AZ=62.7 -88.0
fwAVG=2.08
sdW=1297.3
fwW=1.96
sdS=2318.8
fwS=2.01
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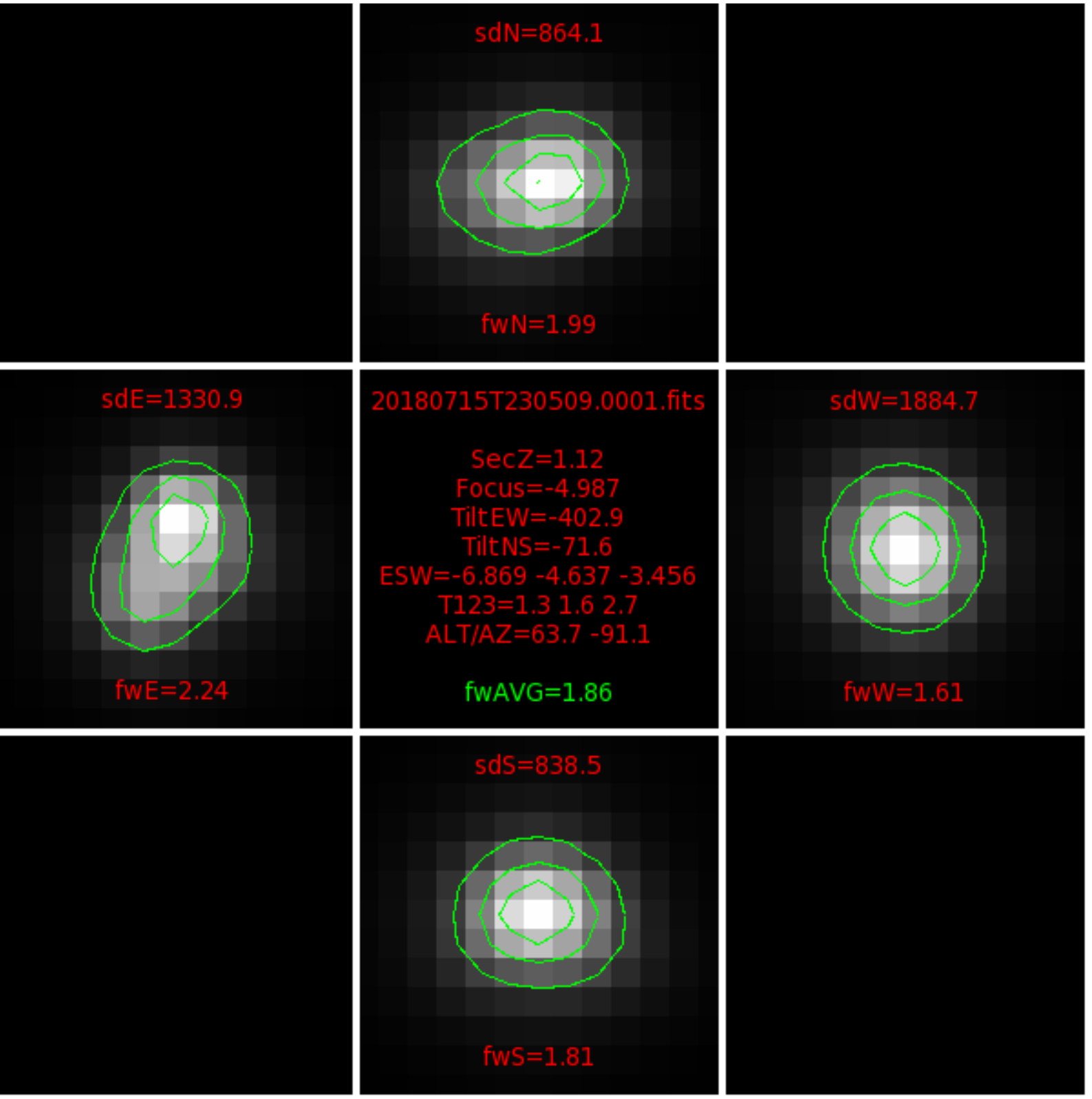
sdN=864.1
fwN=1.99
sdE=1330.9
fwE=2.24
20180715T230509.0001.fits
SecZ=1.12
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=1.3 1.6 2.7
ALT/AZ=63.7 -91.1
fwAVG=1.86
sdW=1884.7
fwW=1.61
sdS=838.5
fwS=1.81
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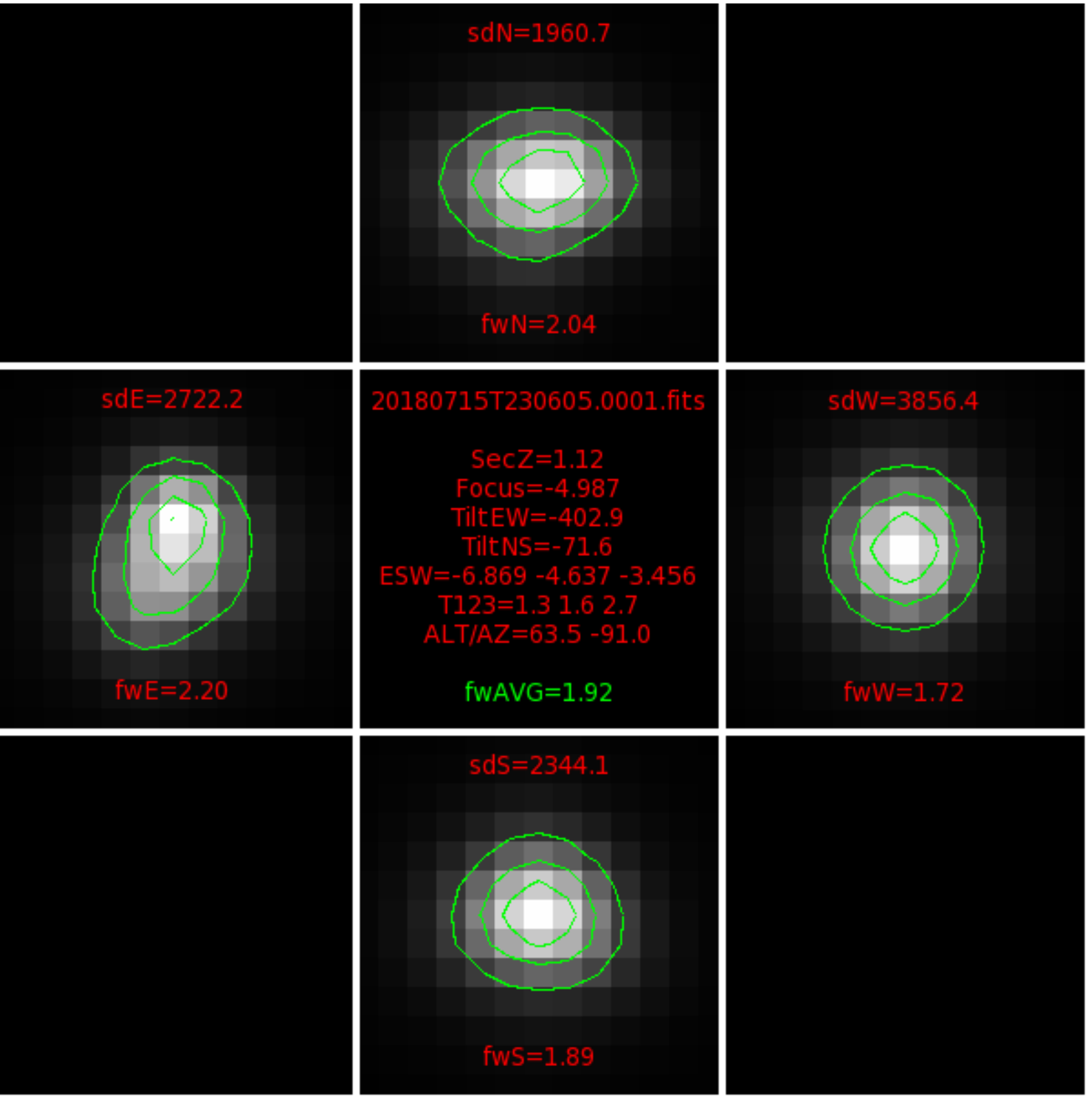
sdN=1960.7
fwN=2.04
sdE=2722.2
fwE=2.20
20180715T230605.0001.fits
SecZ=1.12
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=1.3 1.6 2.7
ALT/AZ=63.5 -91.0
fwAVG=1.92
sdW=3856.4
fwW=1.72
sdS=2344.1
fwS=1.89
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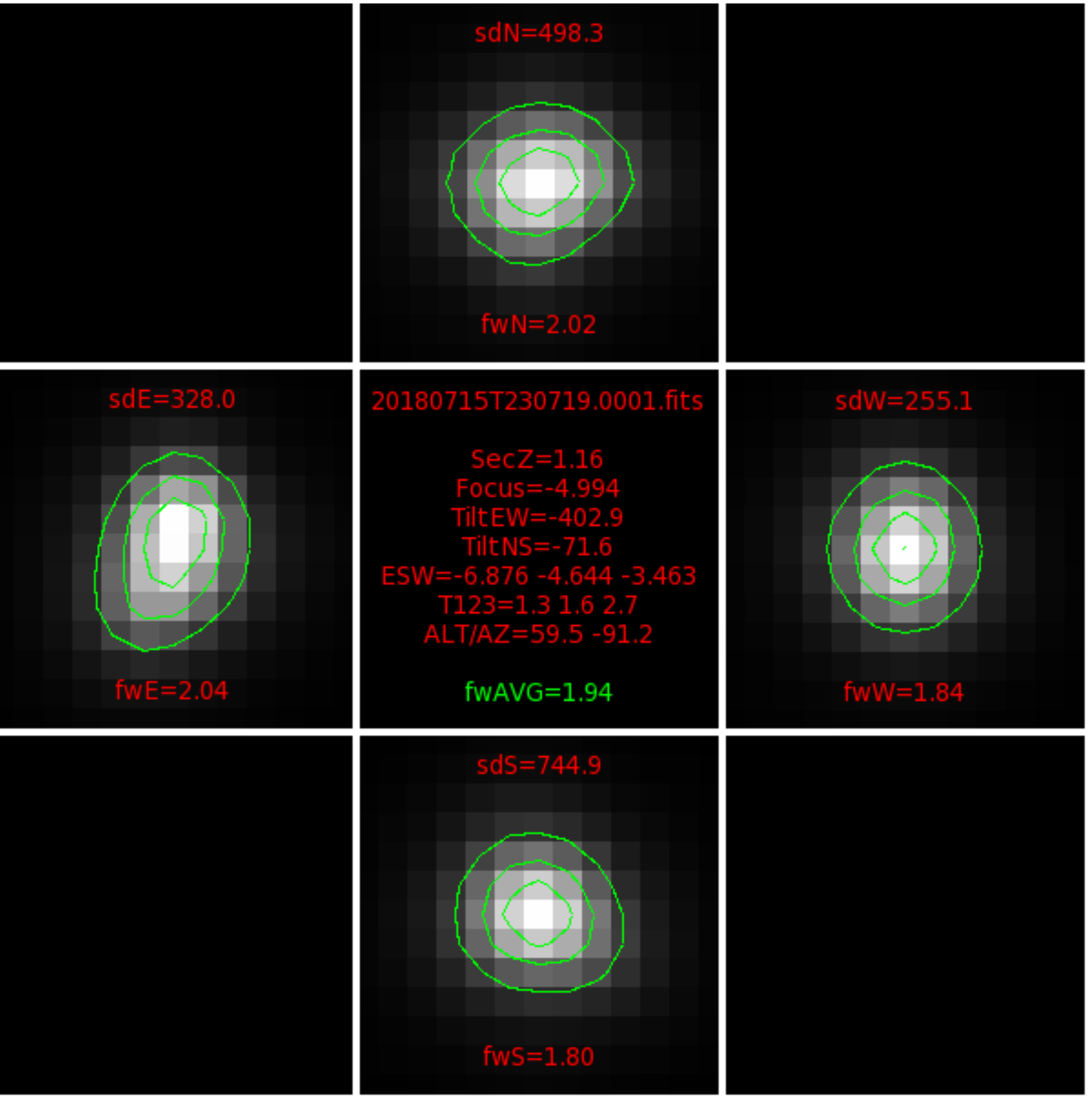
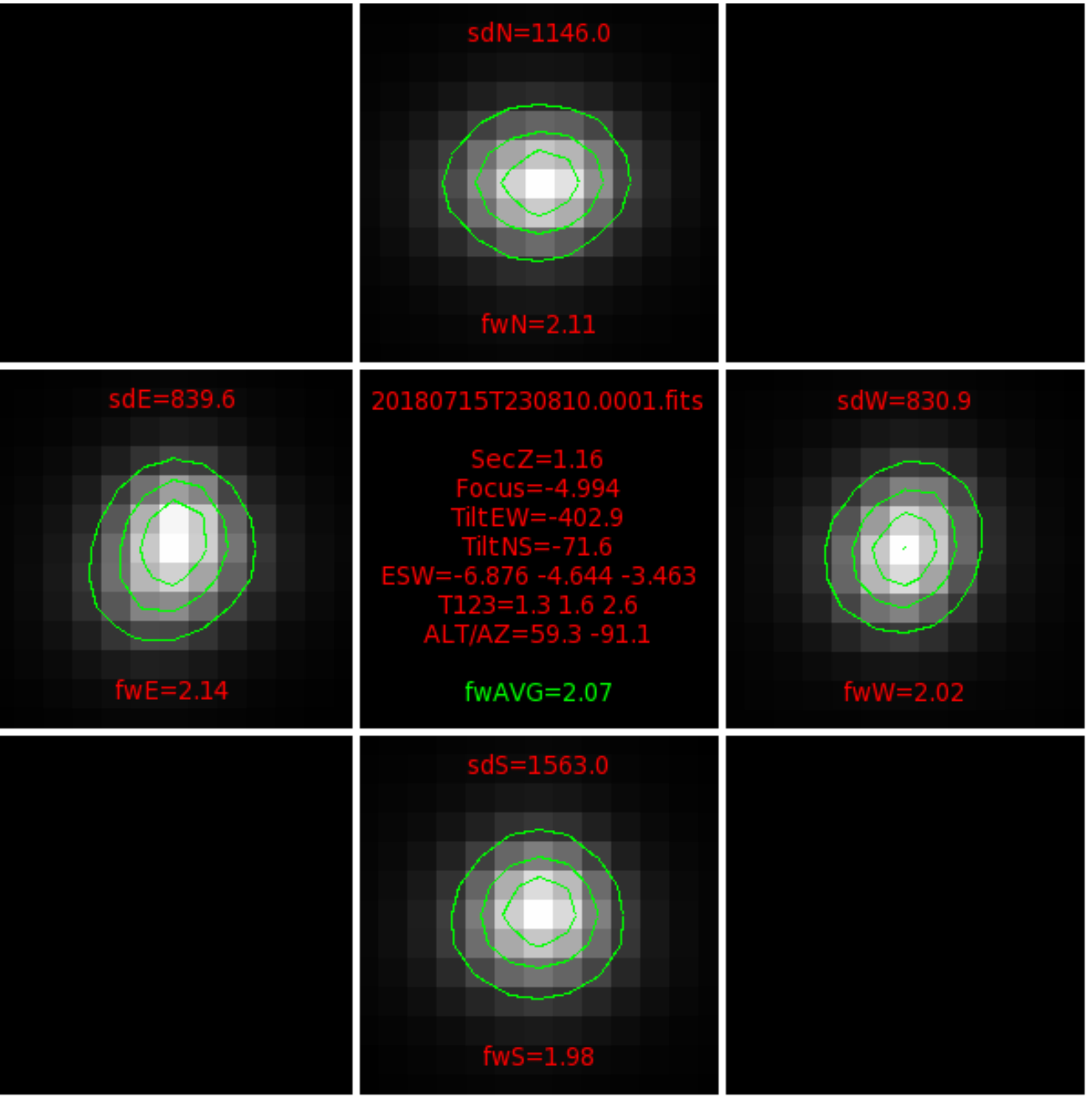
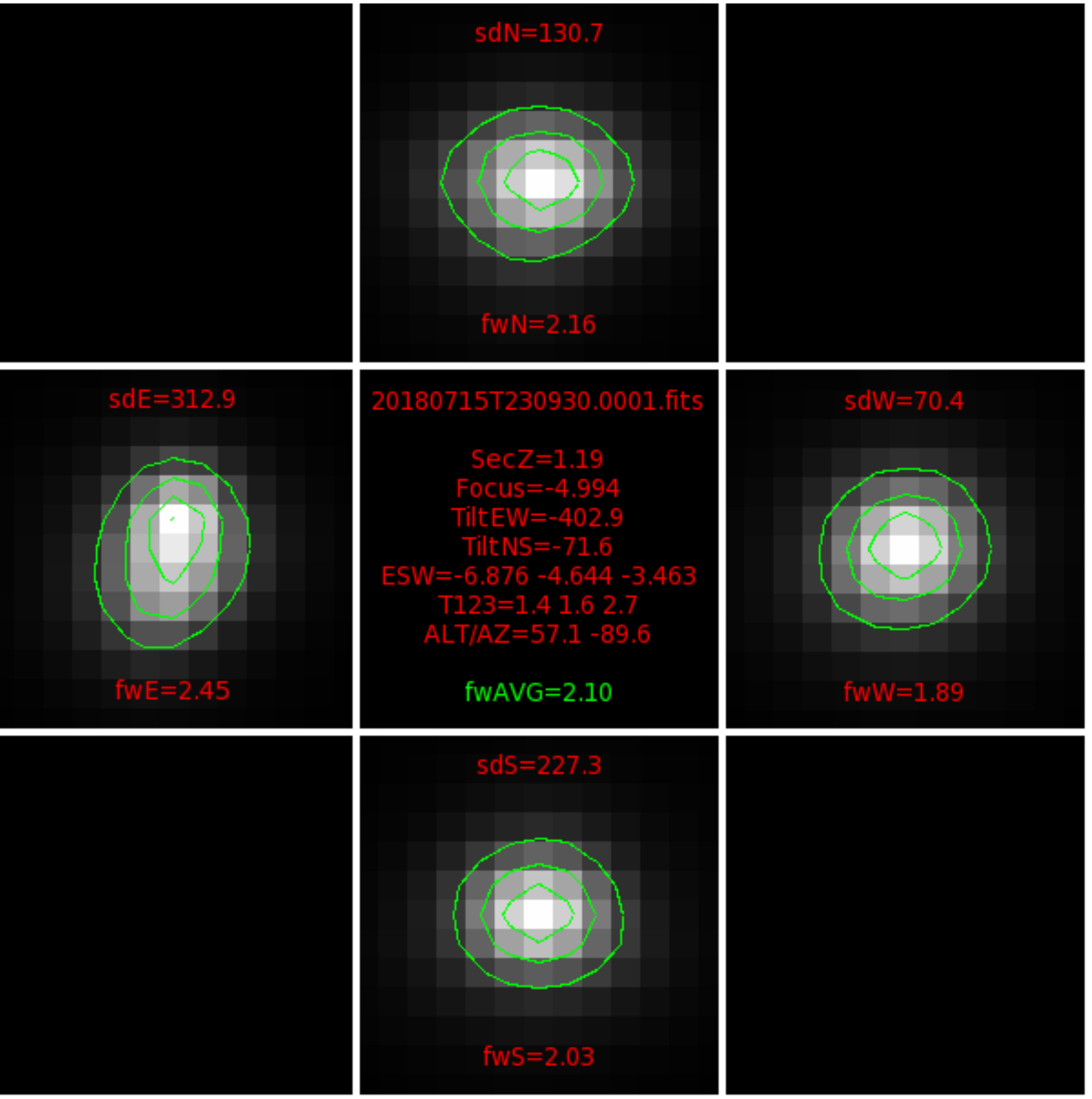
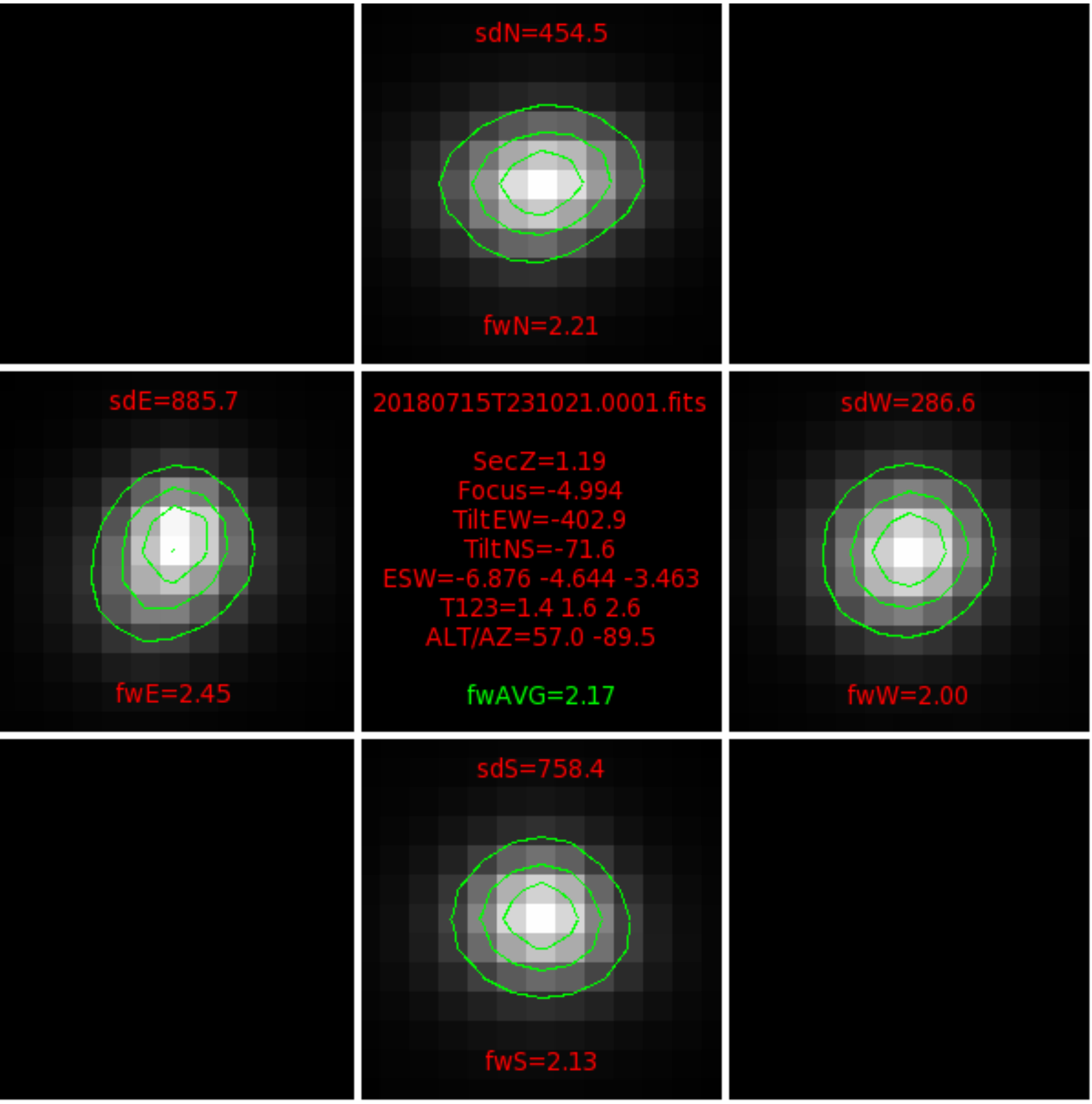

sdN=498.3
fwN=2.02
sdE=328.0
fwE=2.04
20180715T230719.0001.fits
SecZ=1.16
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.3 1.6 2.7
ALT/AZ=59.5 -91.2
fwAVG=1.94
sdW=255.1
fwW=1.84
sdS=744.9
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=1146.0
fwN=2.11
sdE=839.6
fwE=2.14
20180715T230810.0001.fits
SecZ=1.16
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.3 1.6 2.6
ALT/AZ=59.3 -91.1
fwAVG=2.07
sdW=830.9
fwW=2.02
sdS=1563.0
fwS=1.98
0 0 0 0 0 0 0 0 0


sdN=130.7
fwN=2.16
sdE=312.9
fwE=2.45
20180715T230930.0001.fits
SecZ=1.19
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.4 1.6 2.7
ALT/AZ=57.1 -89.6
fwAVG=2.10
sdW=70.4
fwW=1.89
sdS=227.3
fwS=2.03
0 0 0 0 0 0 0 0 0


sdN=454.5
fwN=2.21
sdE=885.7
fwE=2.45
20180715T231021.0001.fits
SecZ=1.19
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.4 1.6 2.6
ALT/AZ=57.0 -89.5
fwAVG=2.17
sdW=286.6
fwW=2.00
sdS=758.4
fwS=2.13
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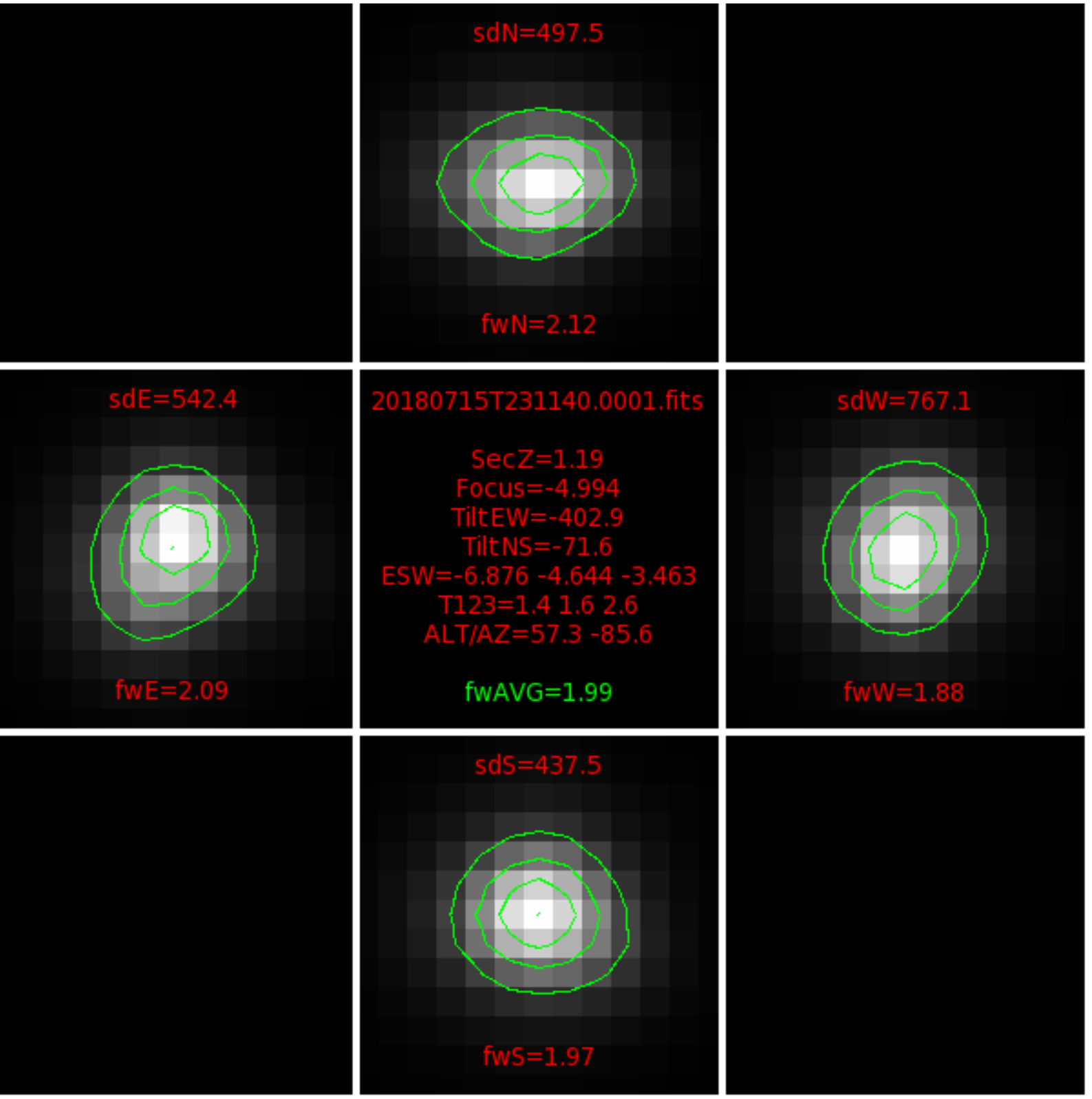
sdN=497.5
fwN=2.12
sdE=542.4
fwE=2.09
20180715T231140.0001.fits
SecZ=1.19
Focus=-4.994
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.876 -4.644 -3.463
T123=1.4 1.6 2.6
ALT/AZ=57.3 -85.6
fwAVG=1.99
sdW=767.1
fwW=1.88
sdS=437.5
fwS=1.97
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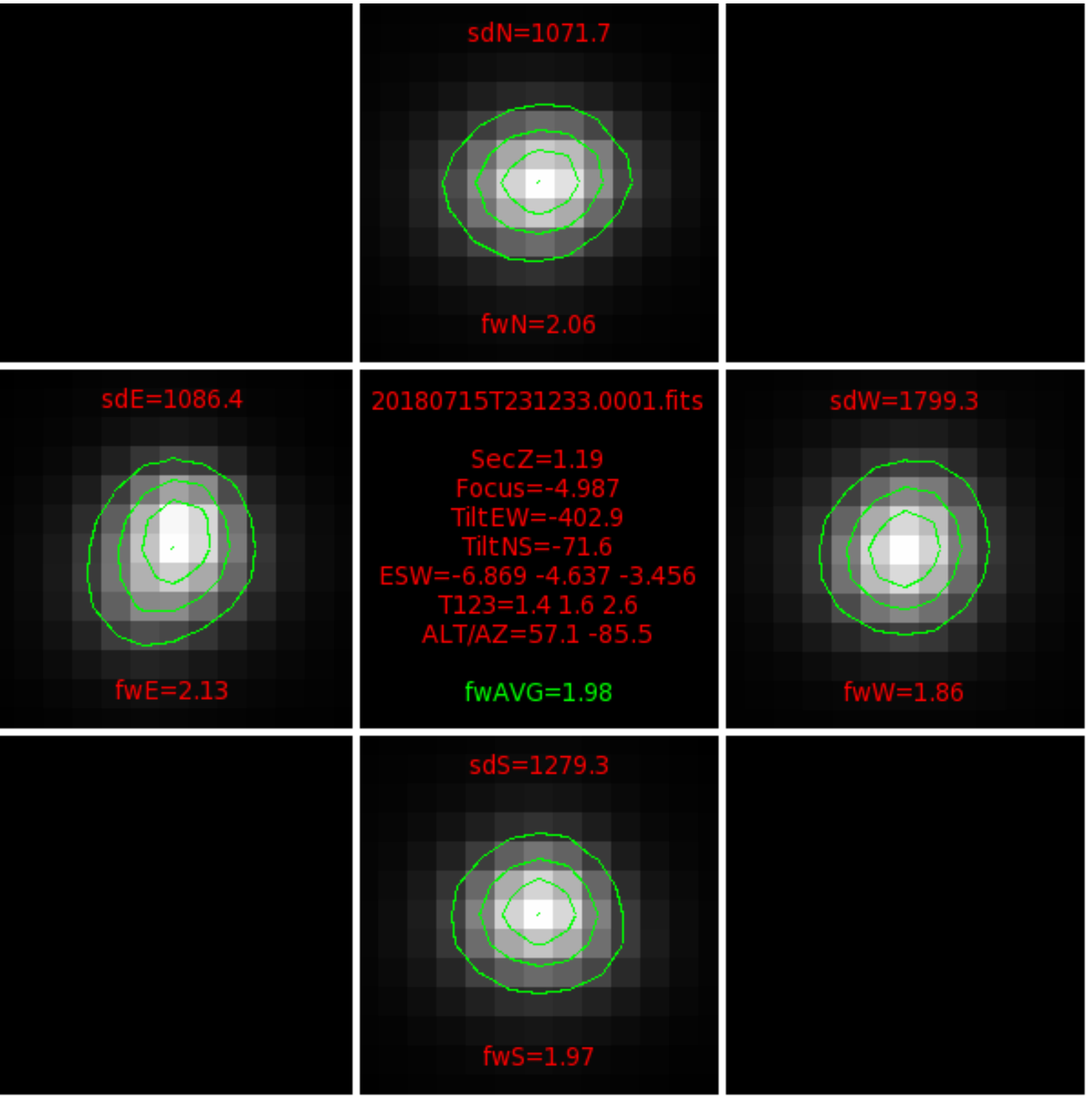
sdN=1071.7
fwN=2.06
sdE=1086.4
fwE=2.13
20180715T231233.0001.fits
SecZ=1.19
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=1.4 1.6 2.6
ALT/AZ=57.1 -85.5
fwAVG=1.98
sdW=1799.3
fwW=1.86
sdS=1279.3
fwS=1.97
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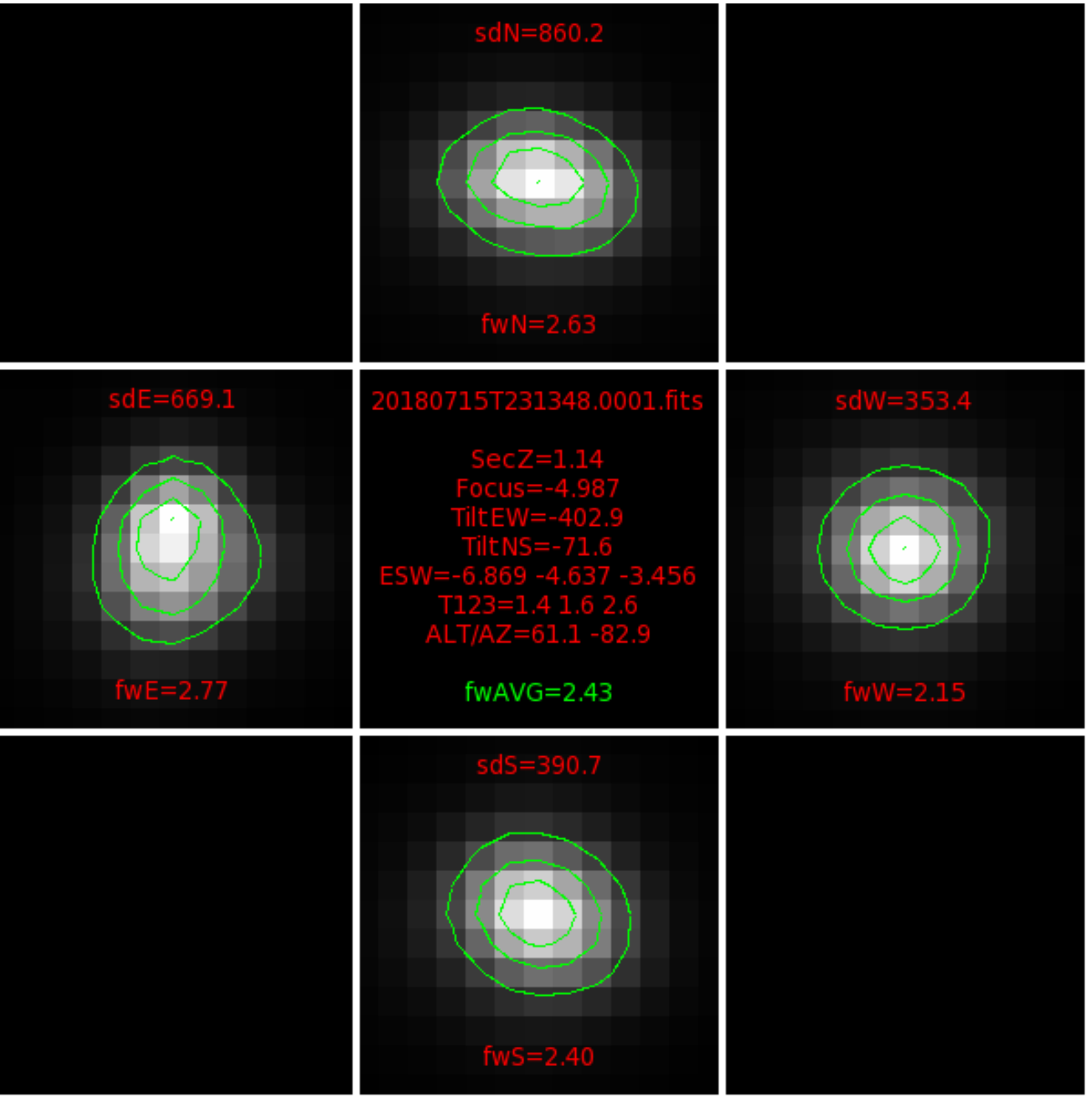
sdN=860.2
fwN=2.63
sdE=669.1
fwE=2.77
20180715T231348.0001.fits
SecZ=1.14
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=1.4 1.6 2.6
ALT/AZ=61.1 -82.9
fwAVG=2.43
sdW=353.4
fwW=2.15
sdS=390.7
fwS=2.40
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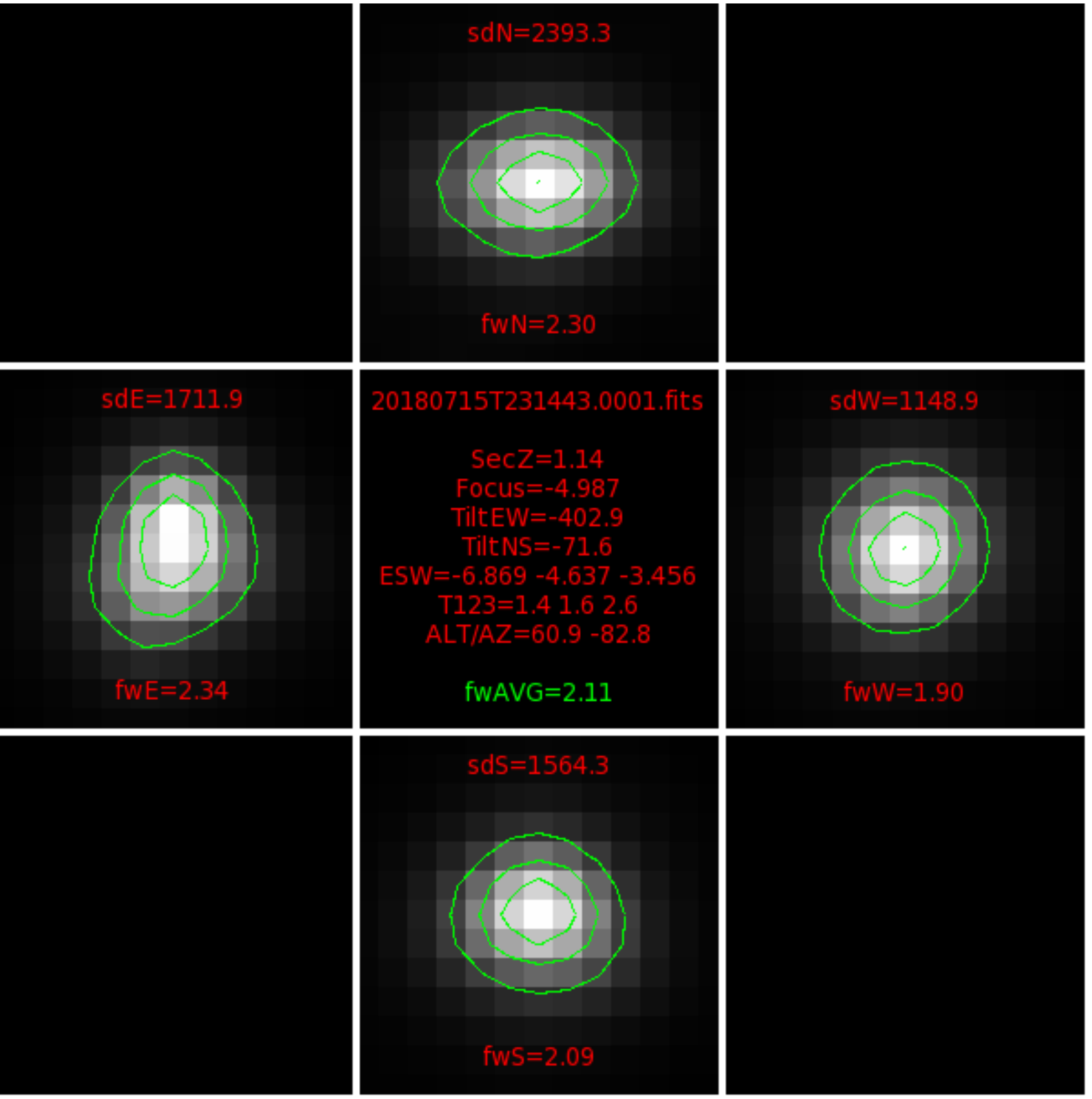
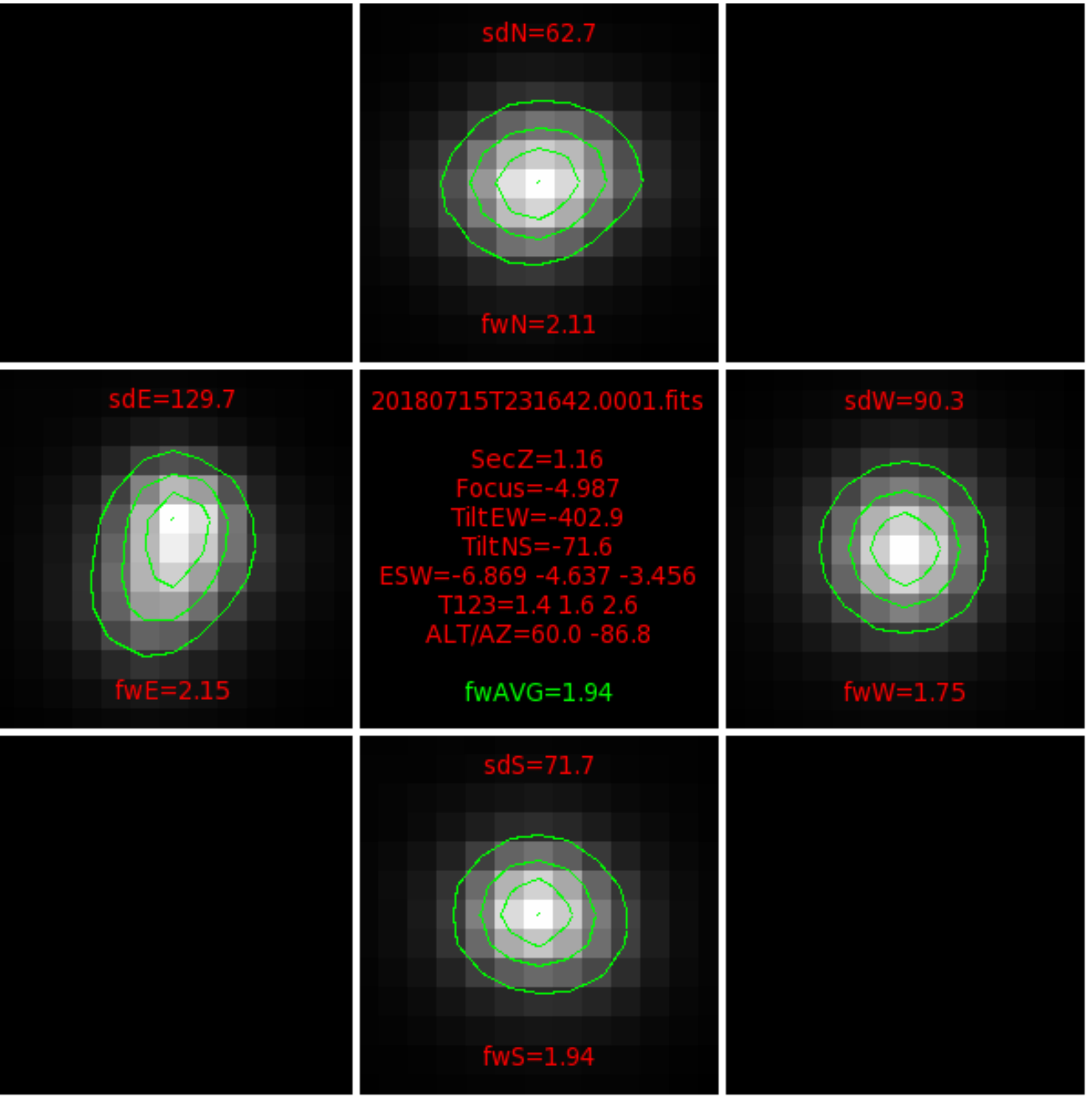

sdN=2393.3
fwN=2.30
sdE=1711.9
fwE=2.34
20180715T231443.0001.fits
SecZ=1.14
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=1.4 1.6 2.6
ALT/AZ=60.9 -82.8
fwAVG=2.11
sdW=1148.9
fwW=1.90
sdS=1564.3
fwS=2.09
0 0 0 0 0 0 0 0 0


sdN=62.7
fwN=2.11
sdE=129.7
fwE=2.15
20180715T231642.0001.fits
SecZ=1.16
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=1.4 1.6 2.6
ALT/AZ=60.0 -86.8
fwAVG=1.94
sdW=90.3
fwW=1.75
sdS=71.7
fwS=1.94
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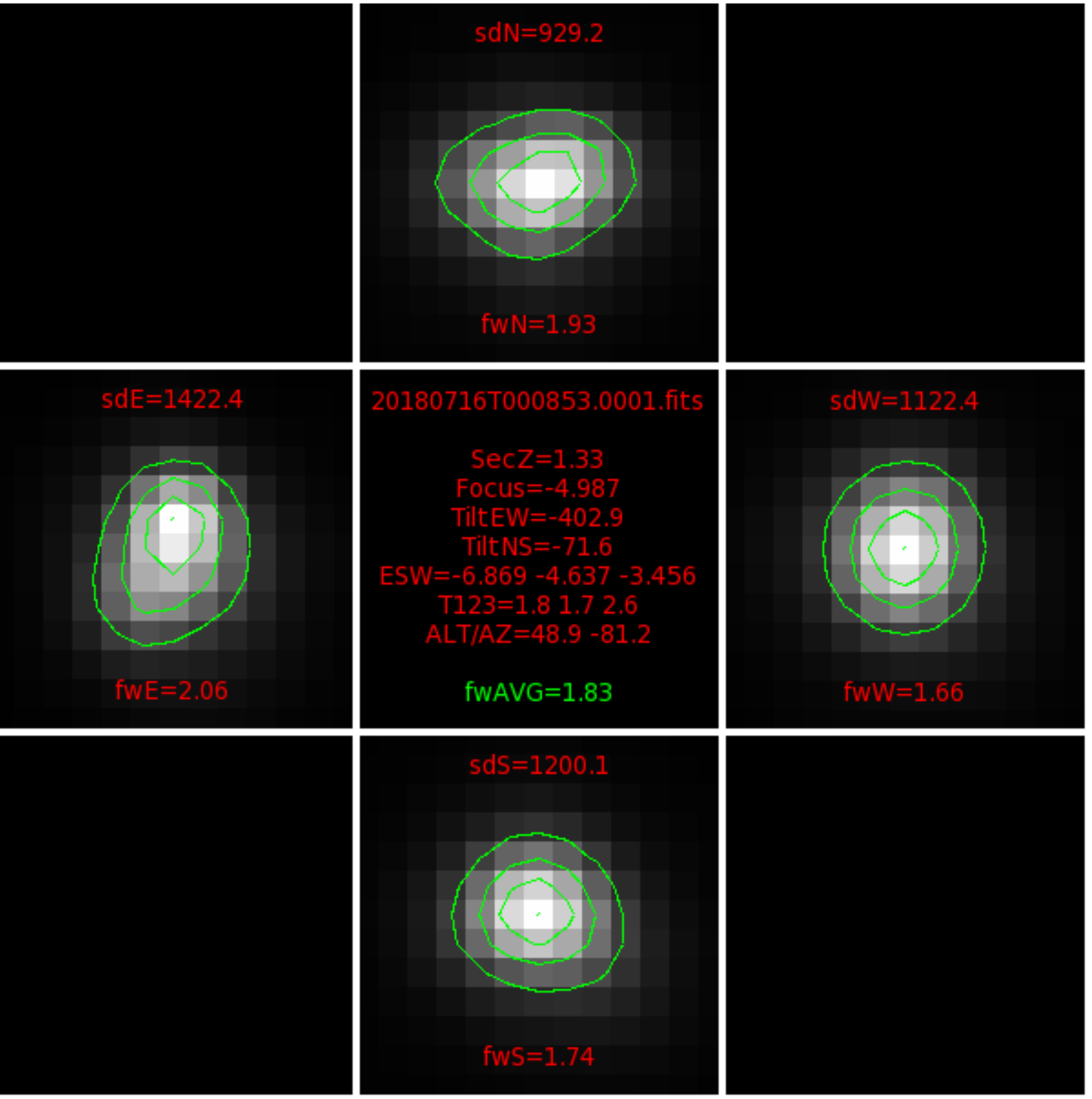
sdN=929.2
fwN=1.93
sdE=1422.4
fwE=2.06
20180716T000853.0001.fits
SecZ=1.33
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=1.8 1.7 2.6
ALT/AZ=48.9 -81.2
fwAVG=1.83
sdW=1122.4
fwW=1.66
sdS=1200.1
fwS=1.74
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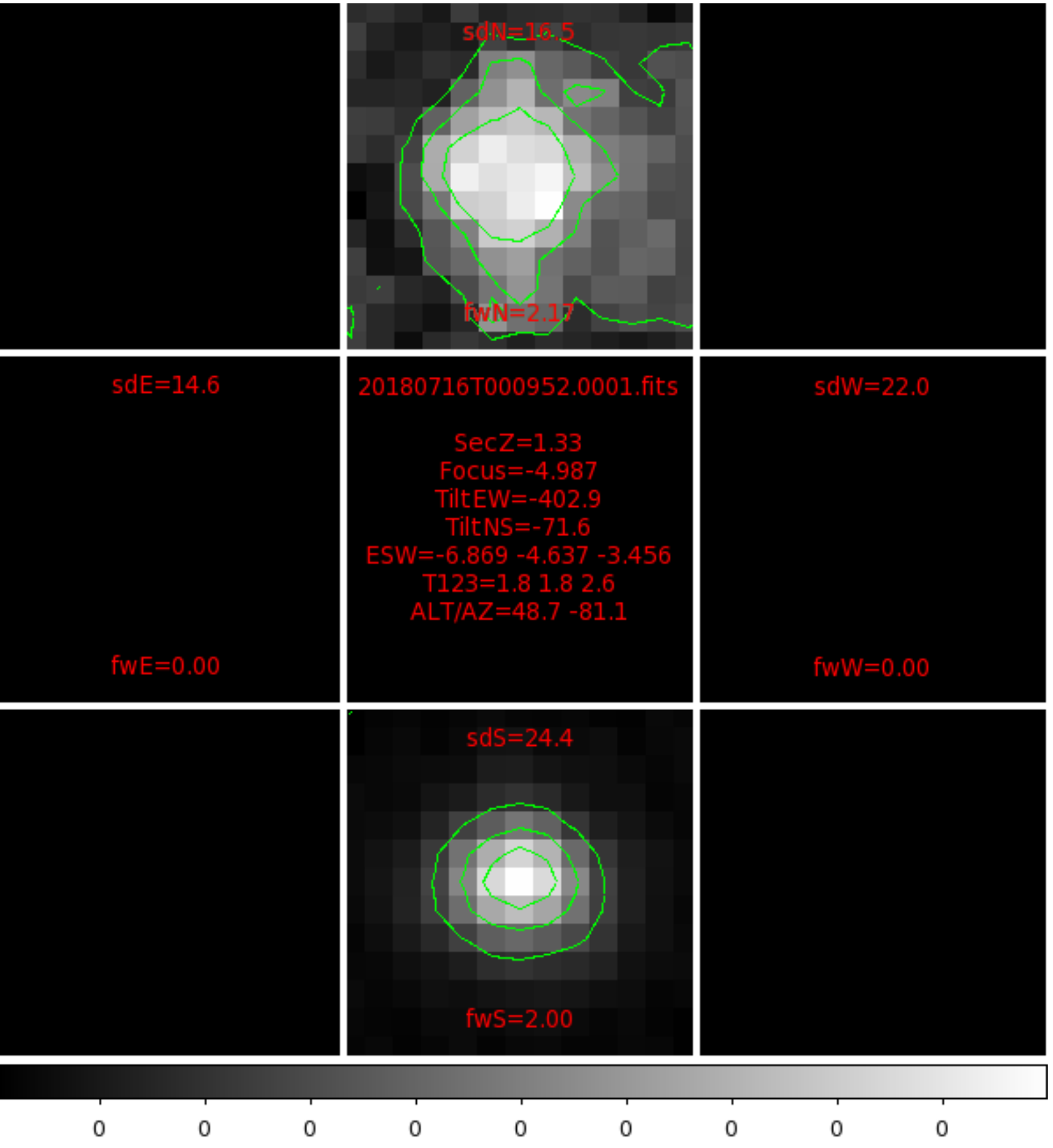
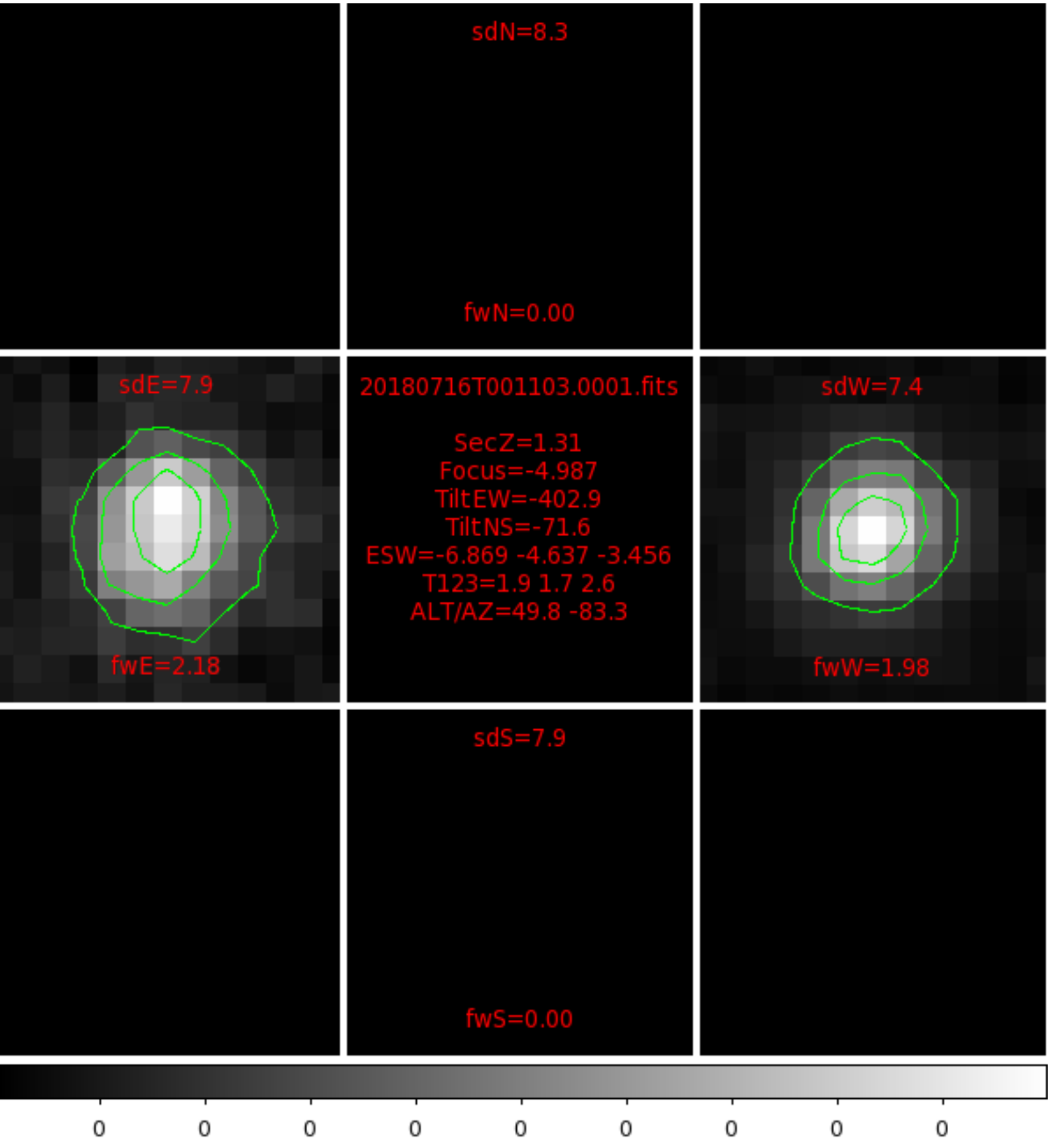
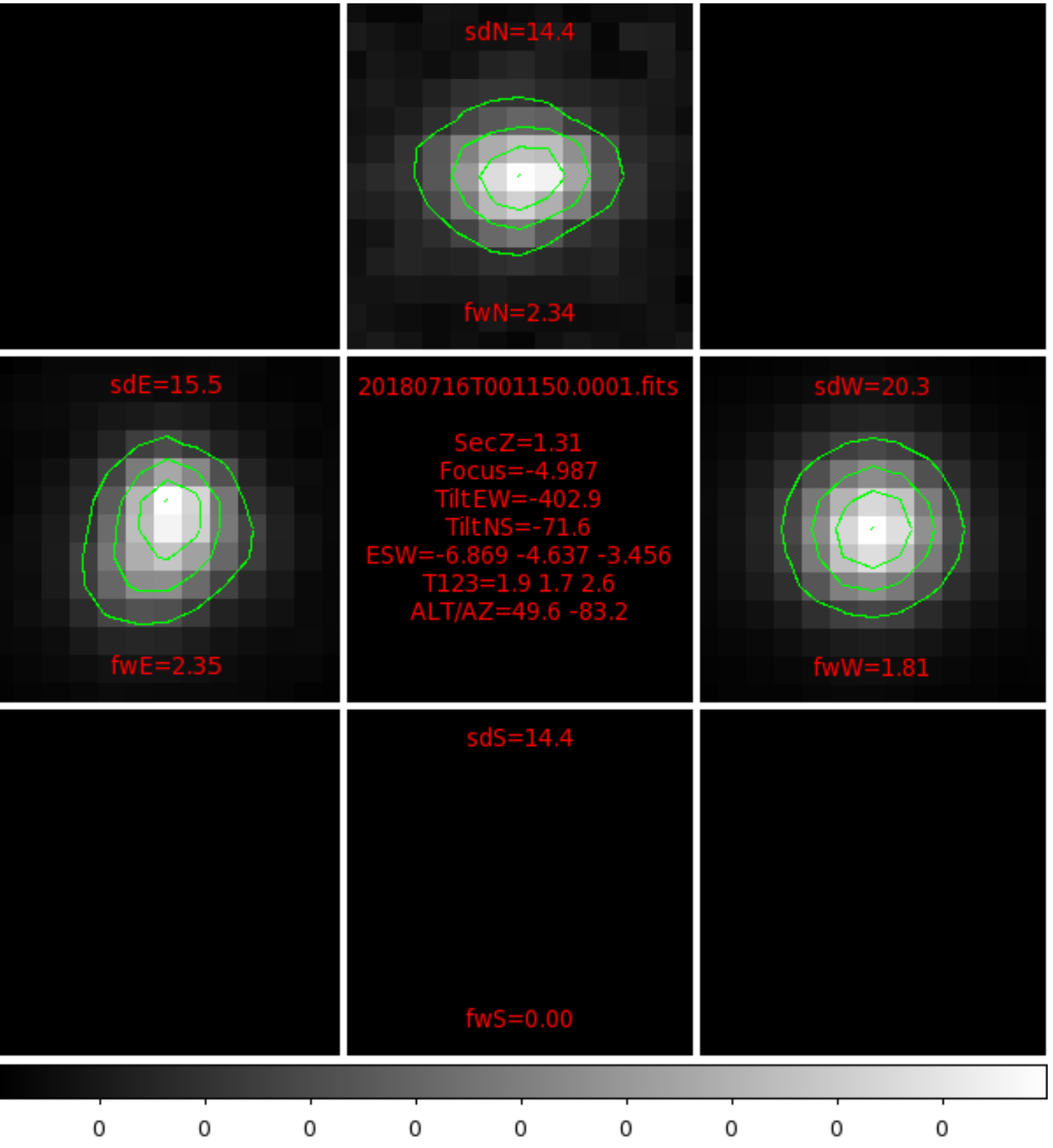
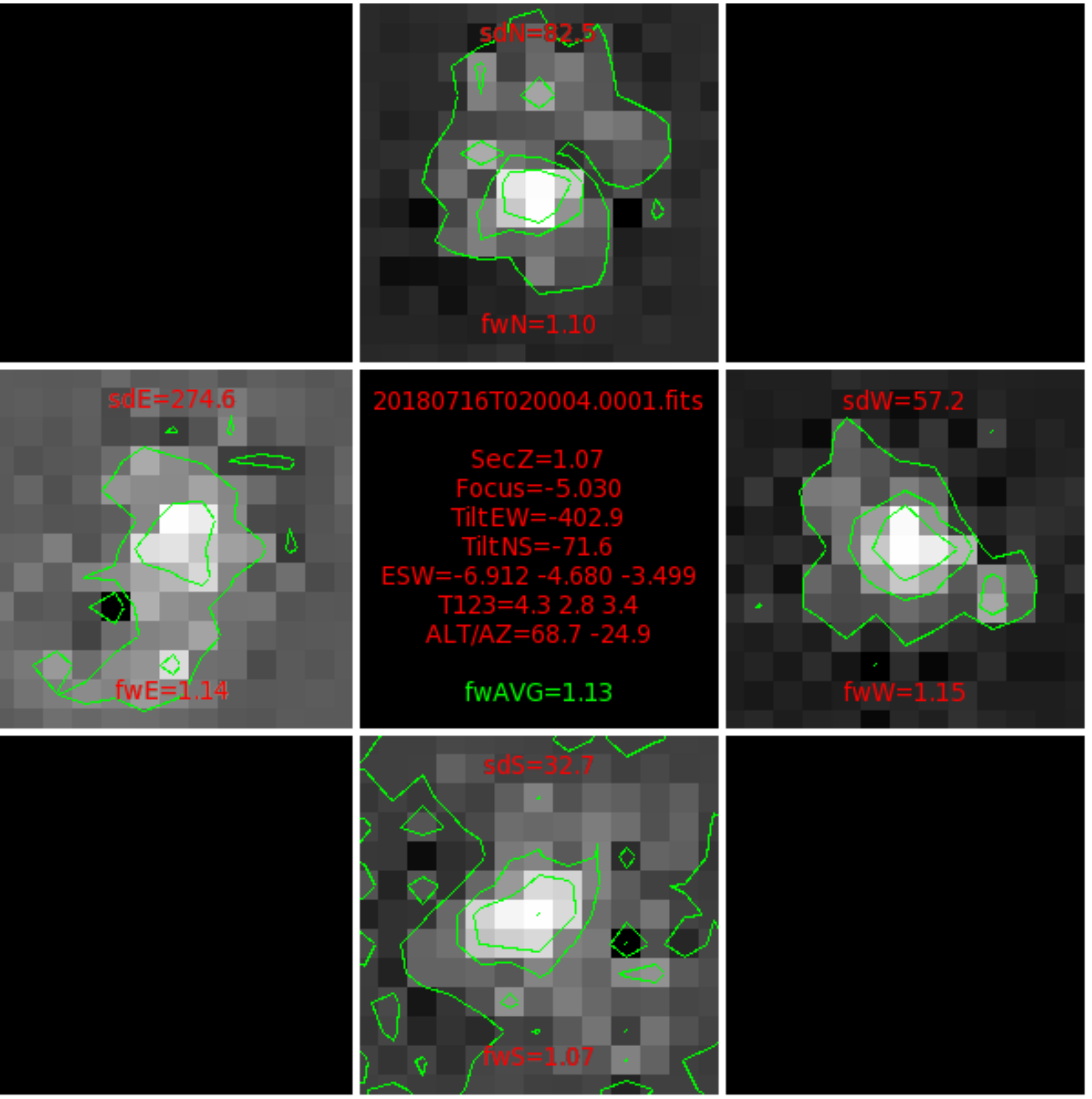
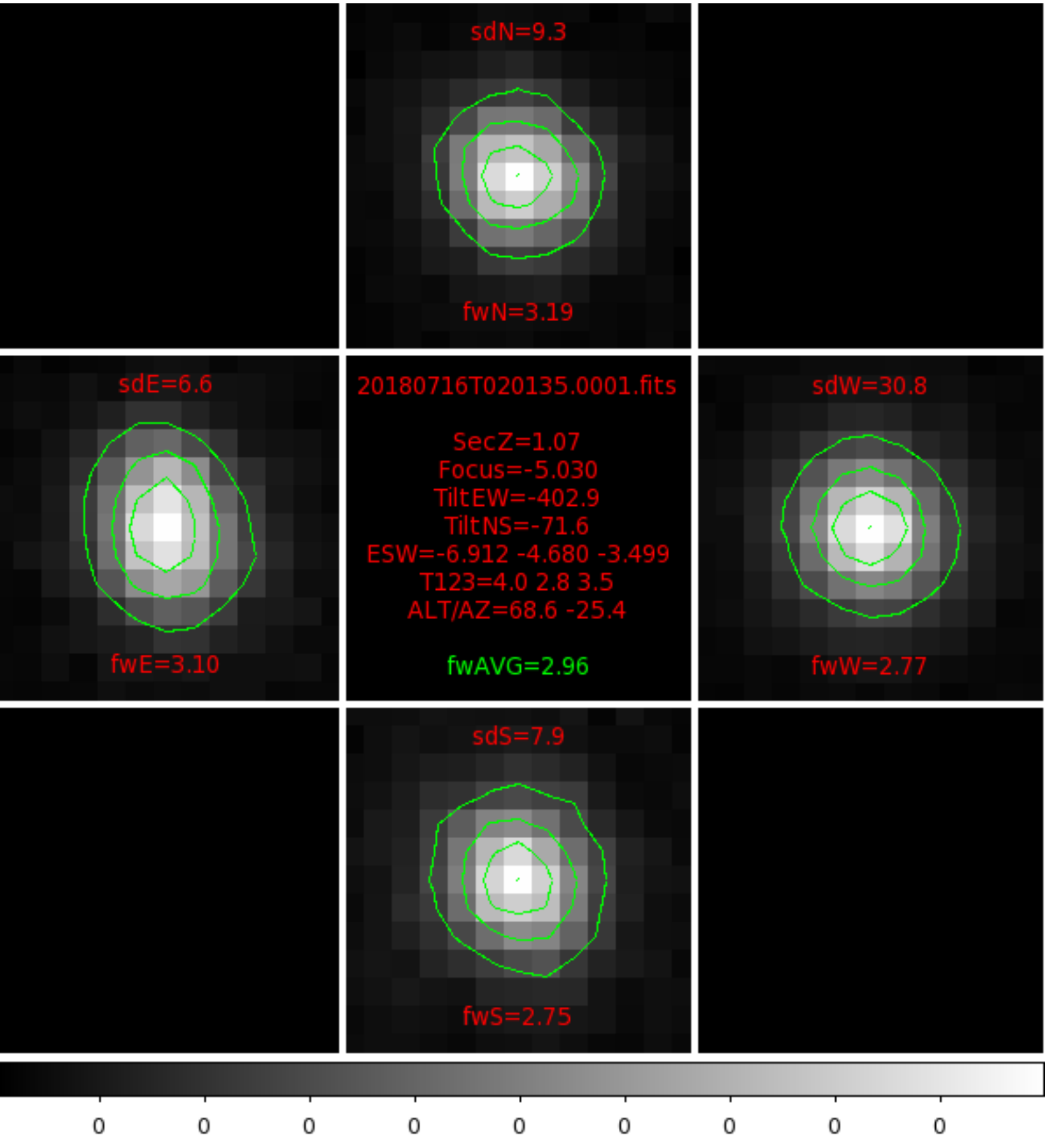

sdN=16.5
fwN=2.17
sdE=14.6
20180716T000952.0001.fits
SecZ=1.33
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=1.8 1.8 2.6
ALT/AZ=48.7 -81.1
sdW=22.0
fwE=0.00
fwW=0.00
sdS=24.4
fwS=2.00
0 0 0 0 0 0 0 0 0


sdN=8.3
fwN=0.00
sdE=7.9
fwE=2.18
20180716T001103.0001.fits
SecZ=1.31
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=1.9 1.7 2.6
ALT/AZ=49.8 -83.3
sdW=7.4
fwW=1.98
sdS=7.9
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=14.4
fwN=2.34
sdE=15.5
fwE=2.35
20180716T001150.0001.fits
SecZ=1.31
Focus=-4.987
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.869 -4.637 -3.456
T123=1.9 1.7 2.6
ALT/AZ=49.6 -83.2
sdW=20.3
fwW=1.81
sdS=14.4
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=82.5
fwN=1.10
sdE=274.6
fwE=1.14
20180716T020004.0001.fits
SecZ=1.07
Focus=-5.030
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.912 -4.680 -3.499
T123=4.3 2.8 3.4
ALT/AZ=68.7 -24.9
fwAVG=1.13
sdW=57.2
fwW=1.15
sdS=32.7
fwS=1.07
0 0 0 0 0 0 0 0 0


sdN=9.3
fwN=3.19
sdE=6.6
fwE=3.10
20180716T020135.0001.fits
SecZ=1.07
Focus=-5.030
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.912 -4.680 -3.499
T123=4.0 2.8 3.5
ALT/AZ=68.6 -25.4
fwAVG=2.96
sdW=30.8
fwW=2.77
sdS=7.9
fwS=2.75
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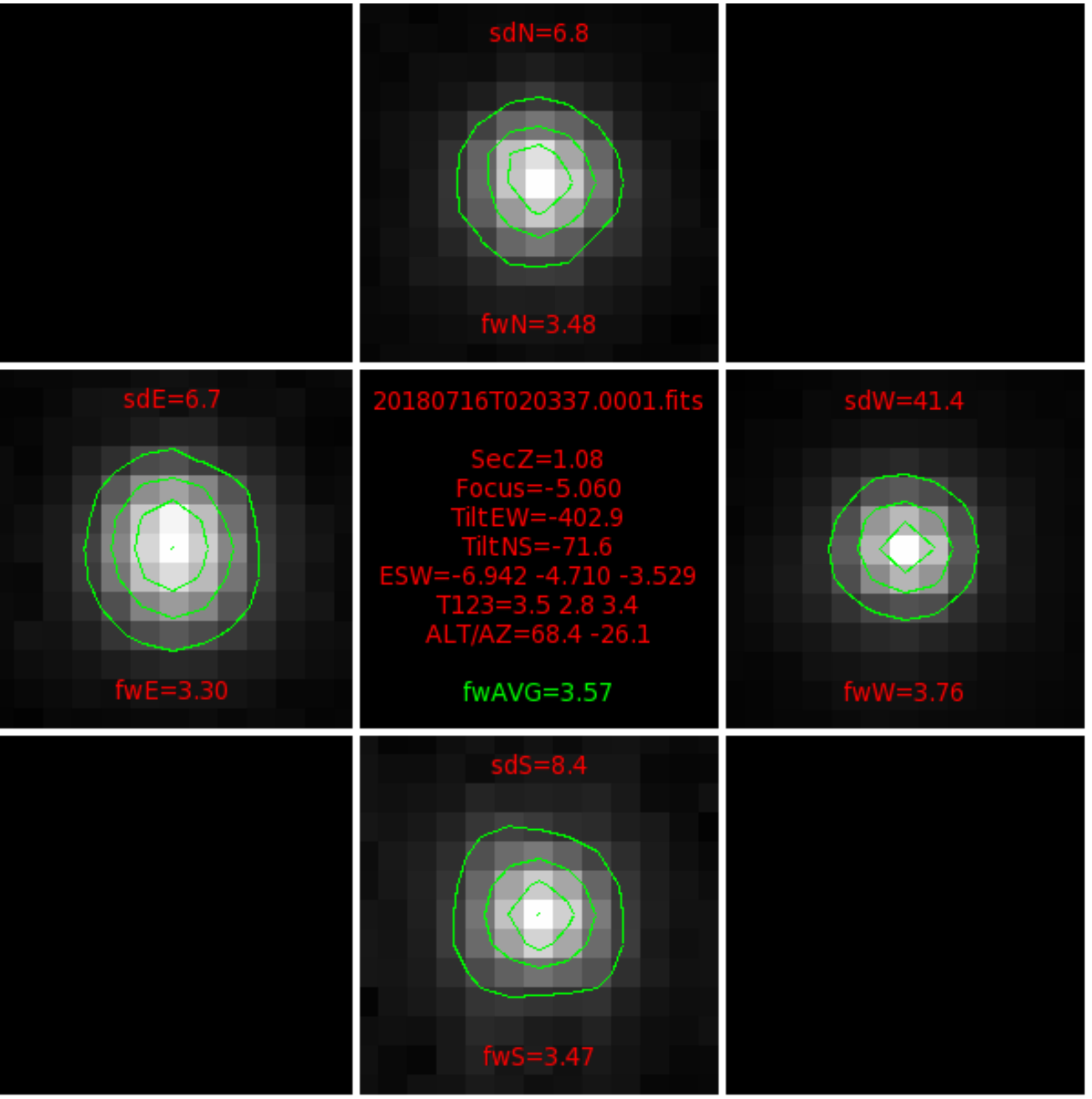
sdN=6.8
fwN=3.48
sdE=6.7
fwE=3.30
20180716T020337.0001.fits
SecZ=1.08
Focus=-5.060
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.942 -4.710 -3.529
T123=3.5 2.8 3.4
ALT/AZ=68.4 -26.1
fwAVG=3.57
sdW=41.4
fwW=3.76
sdS=8.4
fwS=3.47
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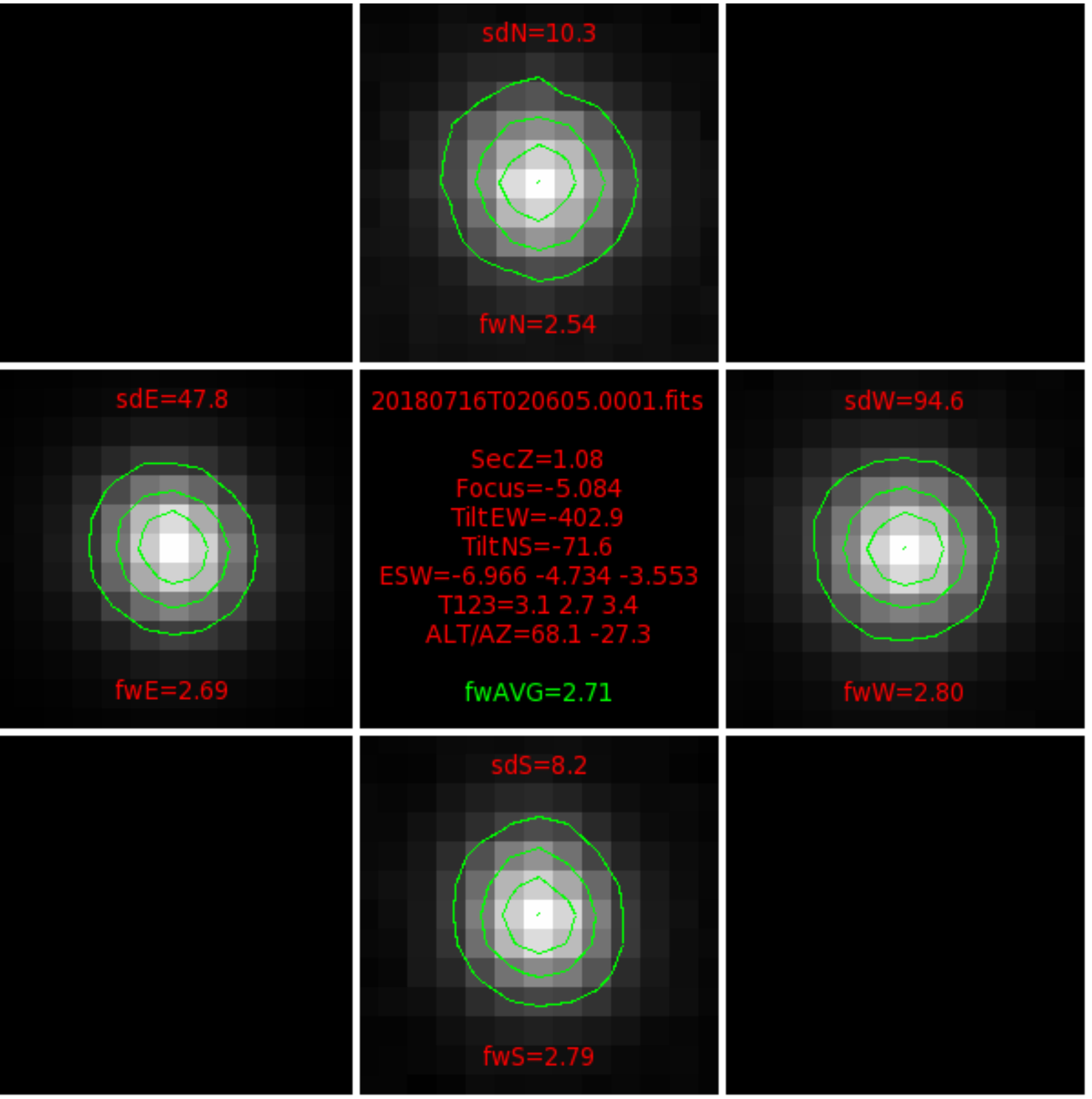
sdN=10.3
fwN=2.54
sdE=47.8
fwE=2.69
20180716T020605.0001.fits
SecZ=1.08
Focus=-5.084
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.966 -4.734 -3.553
T123=3.1 2.7 3.4
ALT/AZ=68.1 -27.3
fwAVG=2.71
sdW=94.6
fwW=2.80
sdS=8.2
fwS=2.79
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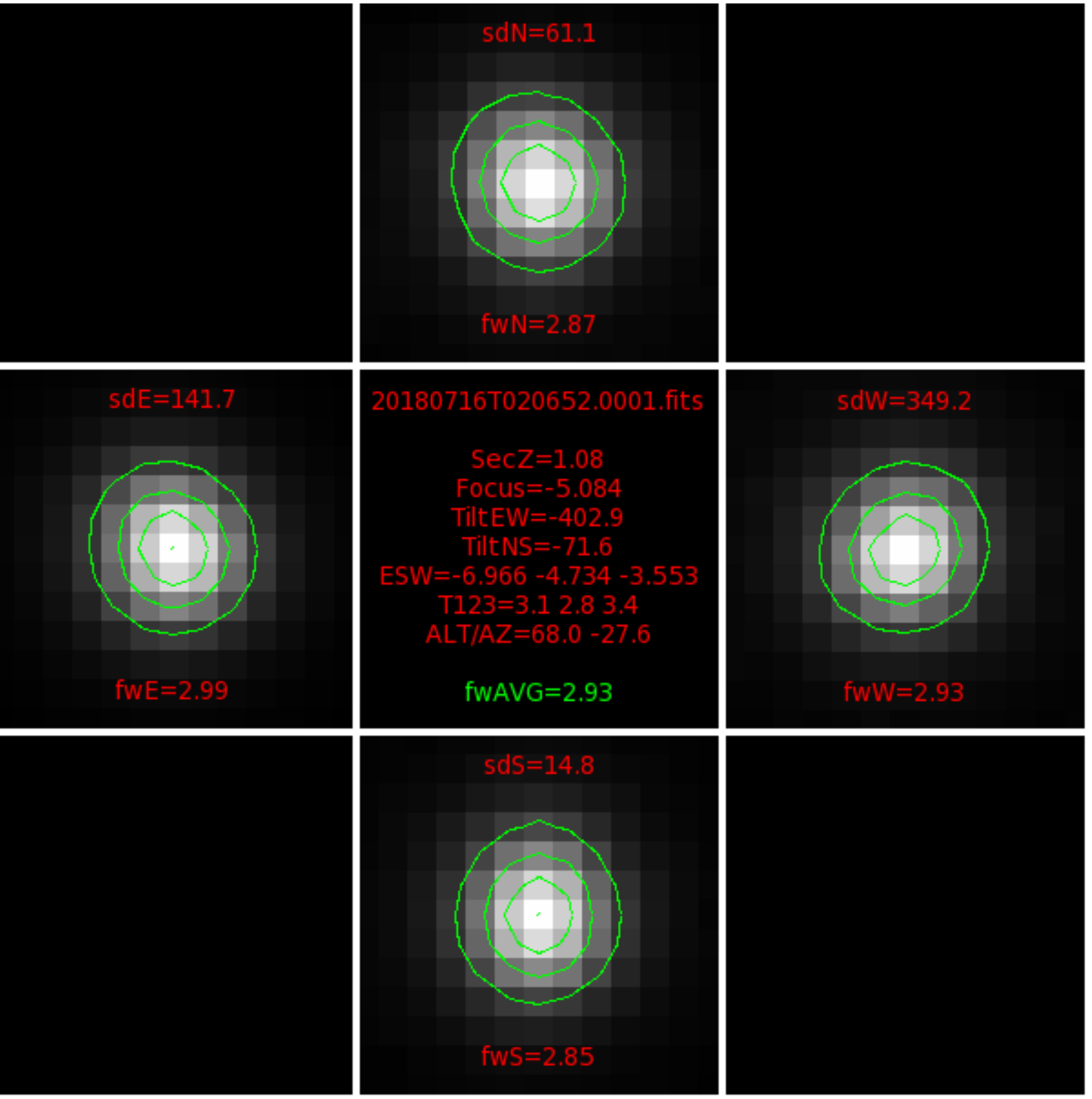
sdN=61.1
fwN=2.87
sdE=141.7
fwE=2.99
20180716T020652.0001.fits
SecZ=1.08
Focus=-5.084
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.966 -4.734 -3.553
T123=3.1 2.8 3.4
ALT/AZ=68.0 -27.6
fwAVG=2.93
sdW=349.2
fwW=2.93
sdS=14.8
fwS=2.85
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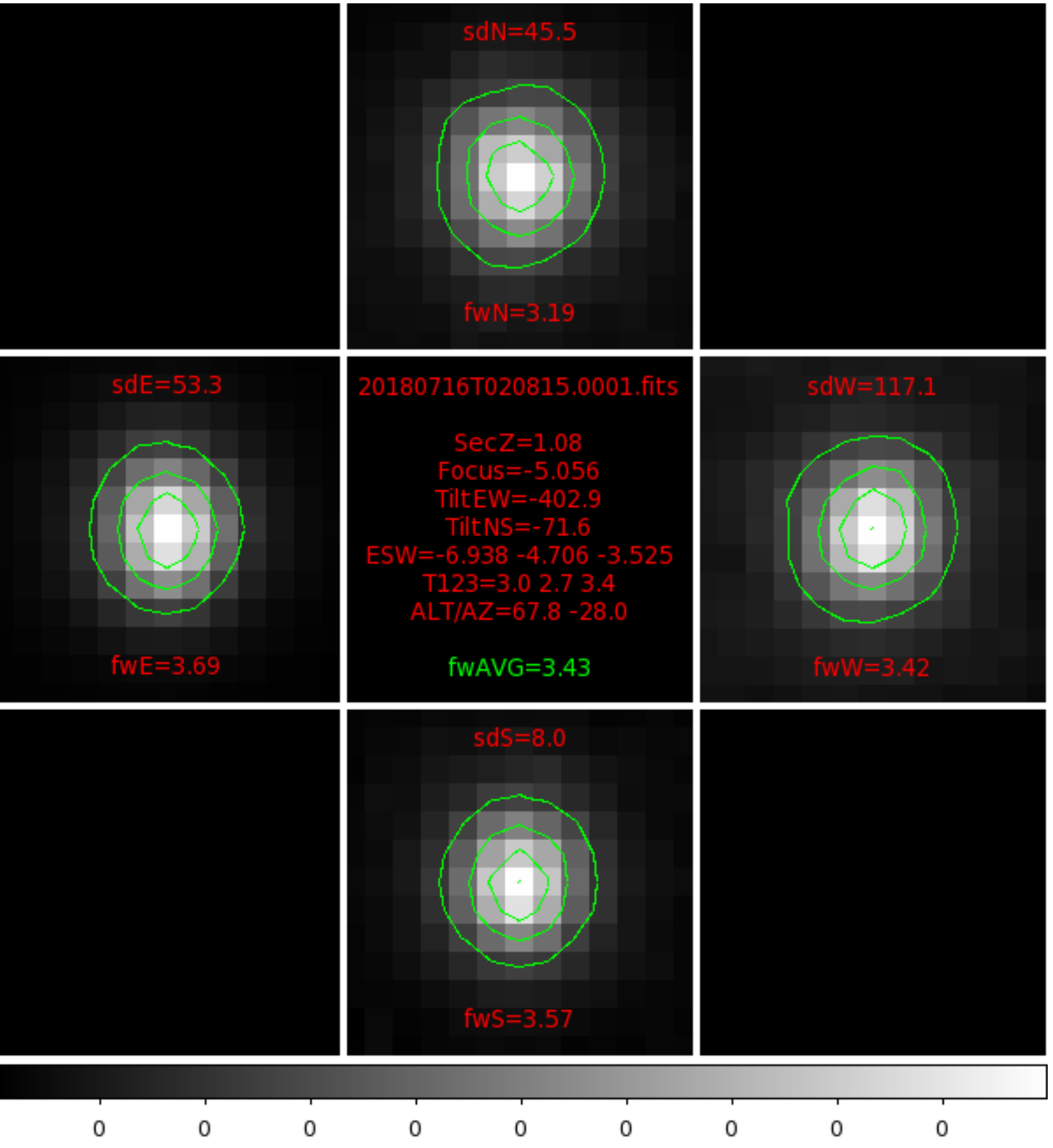
sdN=45.5
fwN=3.19
sdE=53.3
fwE=3.69
20180716T020815.0001.fits
SecZ=1.08
Focus=-5.056
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.938 -4.706 -3.525
T123=3.0 2.7 3.4
ALT/AZ=67.8 -28.0
fwAVG=3.43
sdW=117.1
fwW=3.42
sdS=8.0
fwS=3.57
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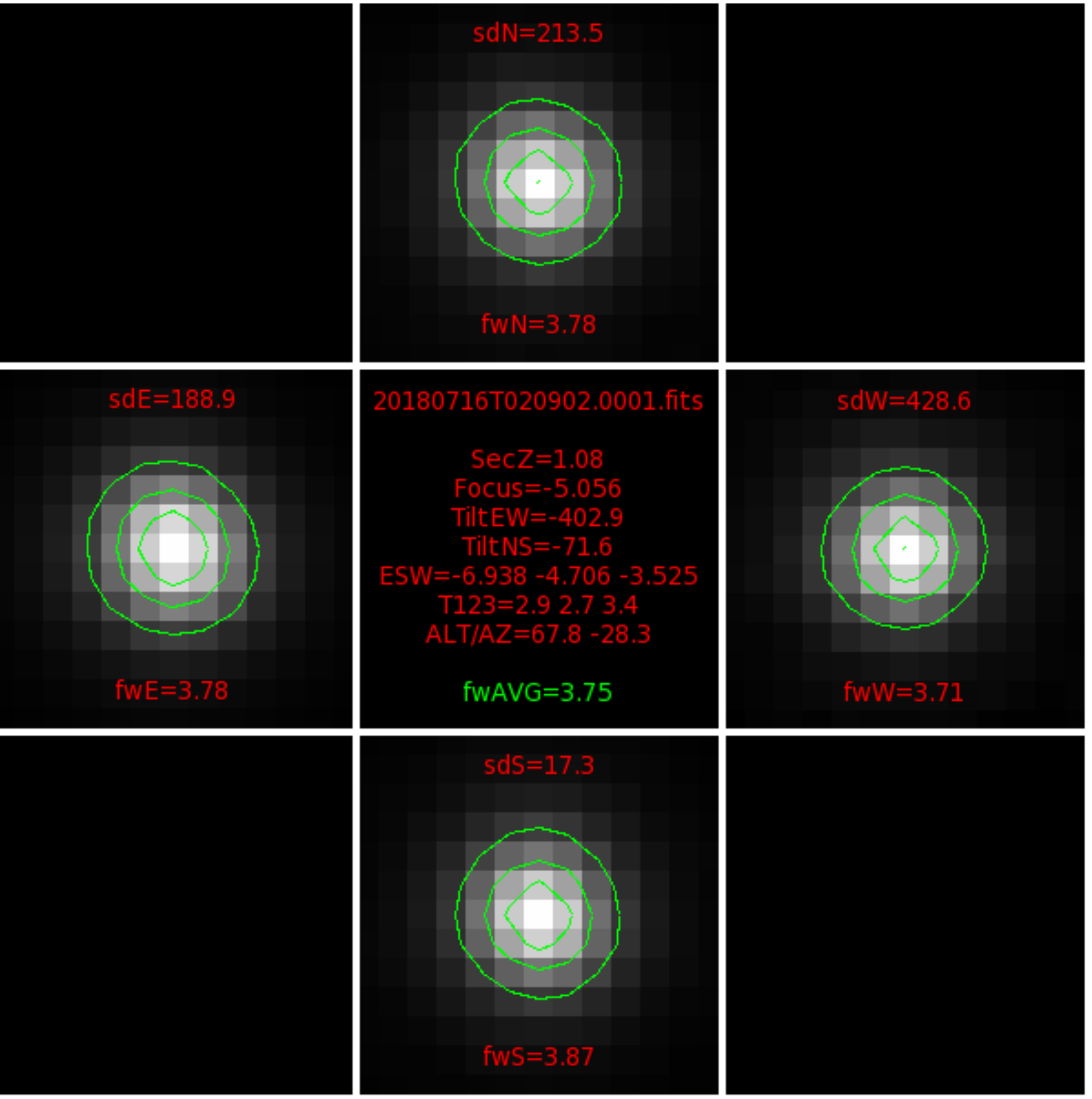
sdN=213.5
fwN=3.78
sdE=188.9
fwE=3.78
20180716T020902.0001.fits
SecZ=1.08
Focus=-5.056
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.938 -4.706 -3.525
T123=2.9 2.7 3.4
ALT/AZ=67.8 -28.3
fwAVG=3.75
sdW=428.6
fwW=3.71
sdS=17.3
fwS=3.87
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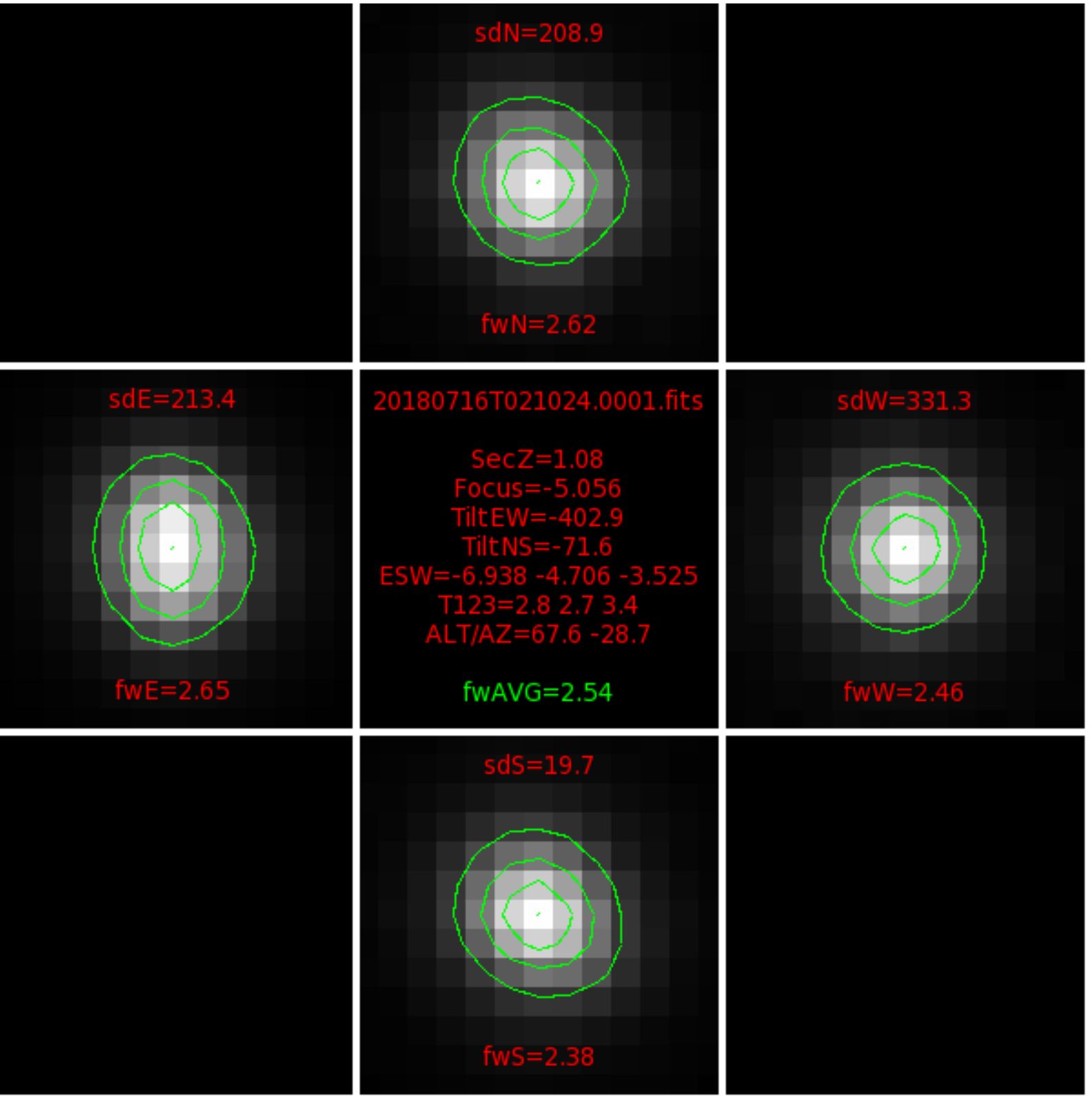
sdN=208.9
fwN=2.62
sdE=213.4
fwE=2.65
20180716T021024.0001.fits
SecZ=1.08
Focus=-5.056
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.938 -4.706 -3.525
T123=2.8 2.7 3.4
ALT/AZ=67.6 -28.7
fwAVG=2.54
sdW=331.3
fwW=2.46
sdS=19.7
fwS=2.38
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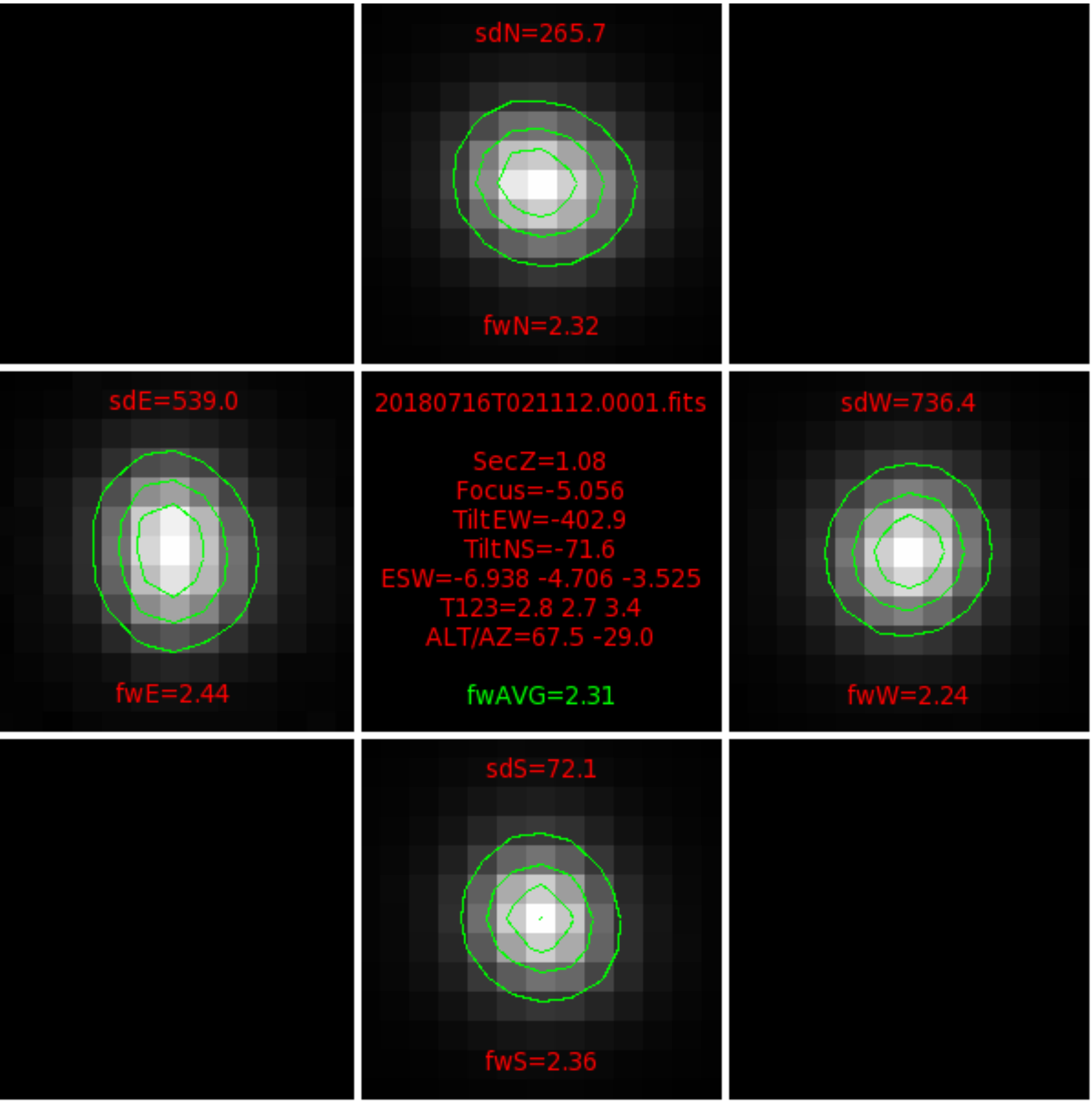
sdN=265.7
fwN=2.32
sdE=539.0
fwE=2.44
20180716T021112.0001.fits
SecZ=1.08
Focus=-5.056
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.938 -4.706 -3.525
T123=2.8 2.7 3.4
ALT/AZ=67.5 -29.0
fwAVG=2.31
sdW=736.4
fwW=2.24
sdS=72.1
fwS=2.36
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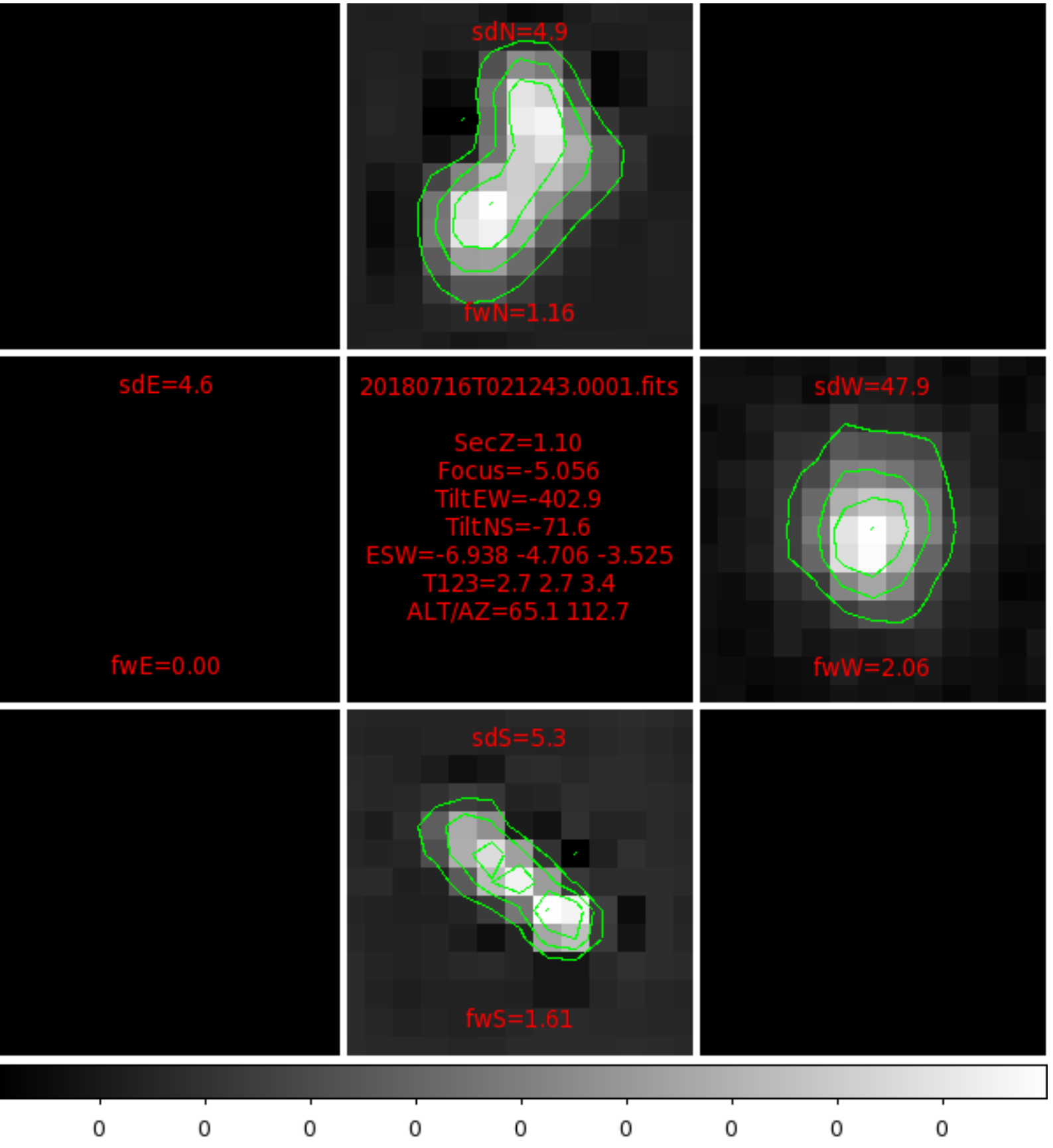
sdN=4.9
fwN=1.16
sdE=4.6
fwE=0.00
20180716T021243.0001.fits
SecZ=1.10
Focus=-5.056
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.938 -4.706 -3.525
T123=2.7 2.7 3.4
ALT/AZ=65.1 112.7
sdW=47.9
fwW=2.06
sdS=5.3
fwS=1.61
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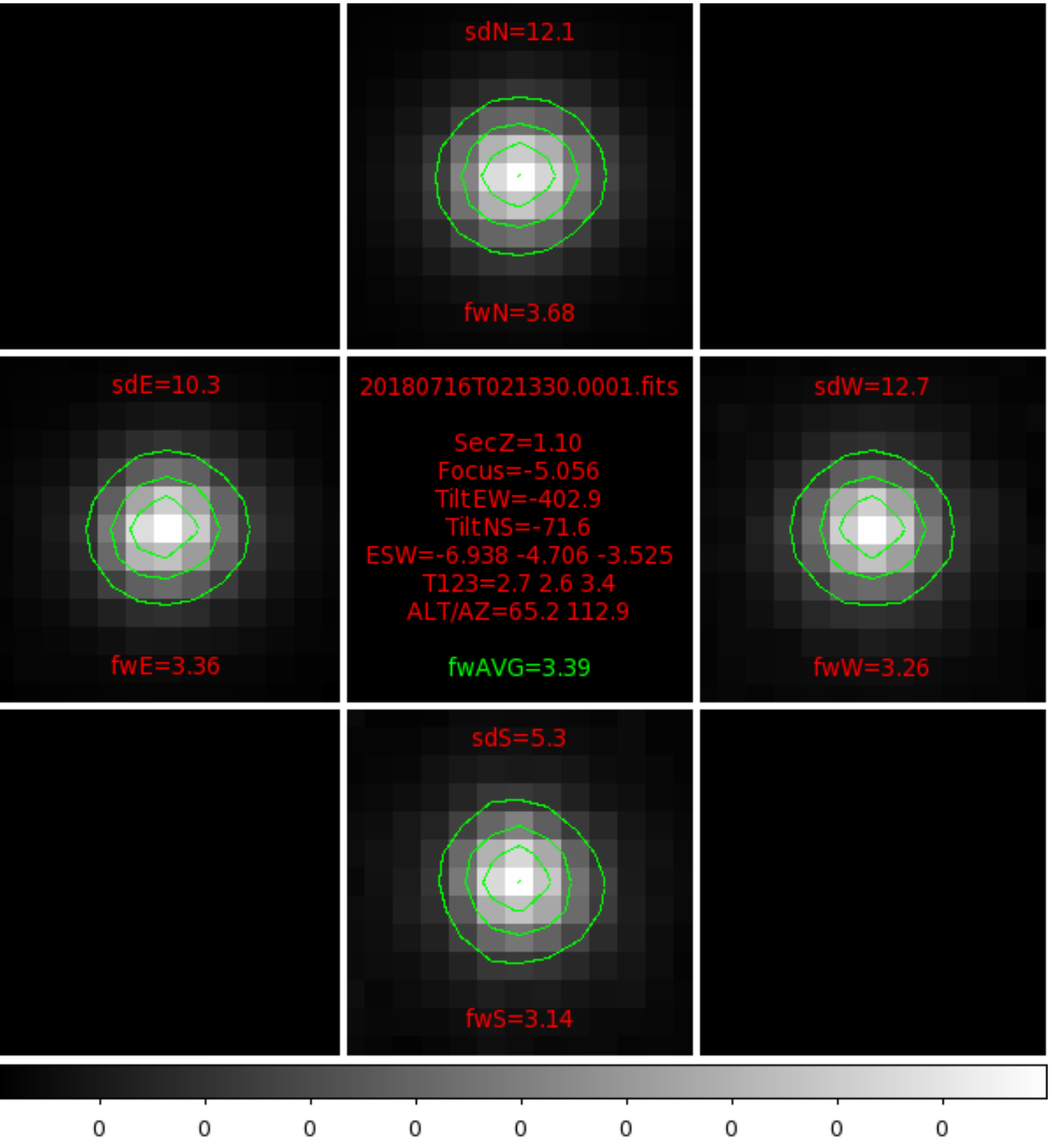
sdN=12.1
fwN=3.68
sdE=10.3
fwE=3.36
20180716T021330.0001.fits
SecZ=1.10
Focus=-5.056
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.938 -4.706 -3.525
T123=2.7 2.6 3.4
ALT/AZ=65.2 112.9
fwAVG=3.39
sdW=12.7
fwW=3.26
sdS=5.3
fwS=3.14
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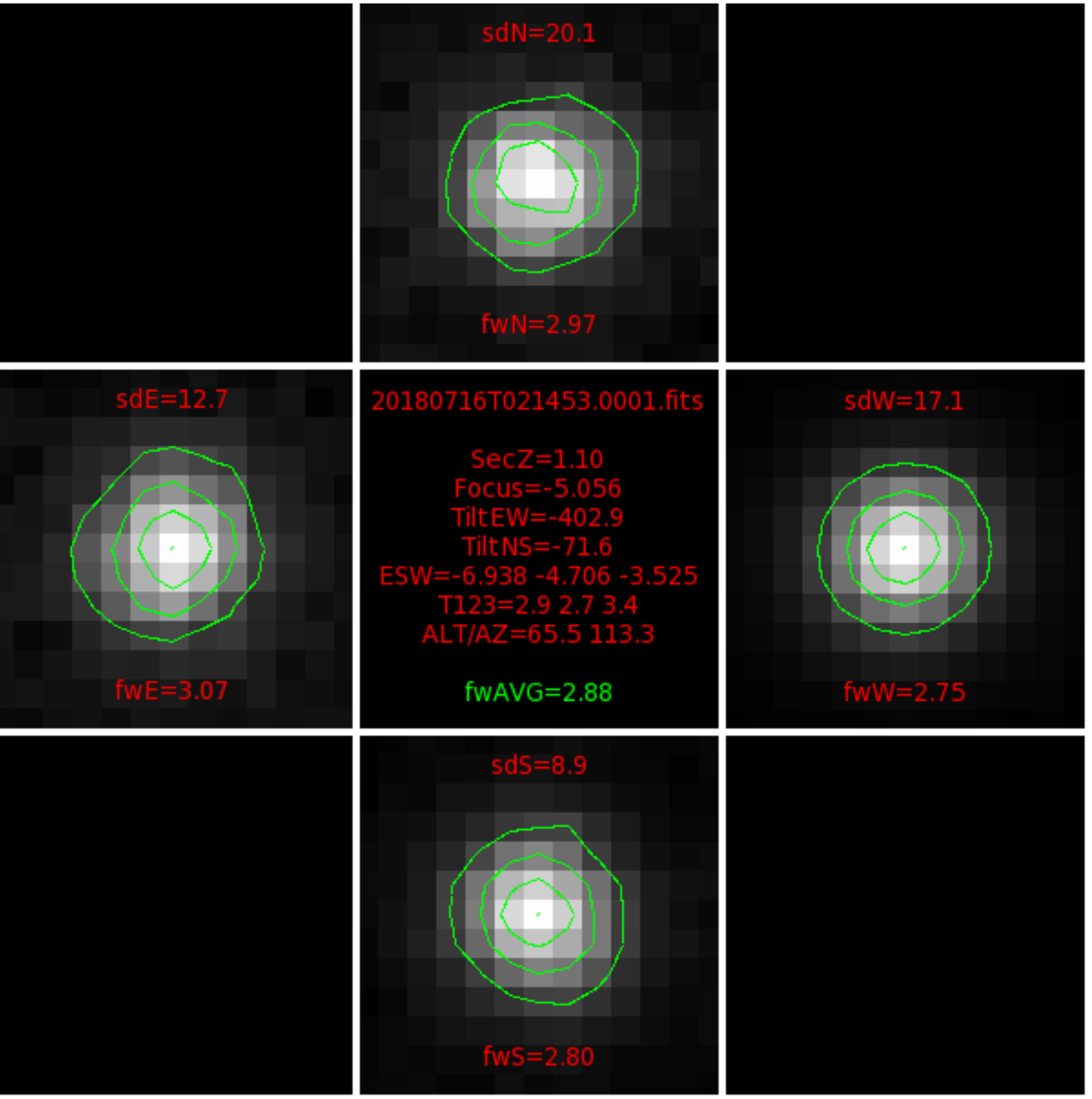
sdN=20.1
fwN=2.97
sdE=12.7
fwE=3.07
20180716T021453.0001.fits
SecZ=1.10
Focus=-5.056
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.938 -4.706 -3.525
T123=2.9 2.7 3.4
ALT/AZ=65.5 113.3
fwAVG=2.88
sdW=17.1
fwW=2.75
sdS=8.9
fwS=2.80
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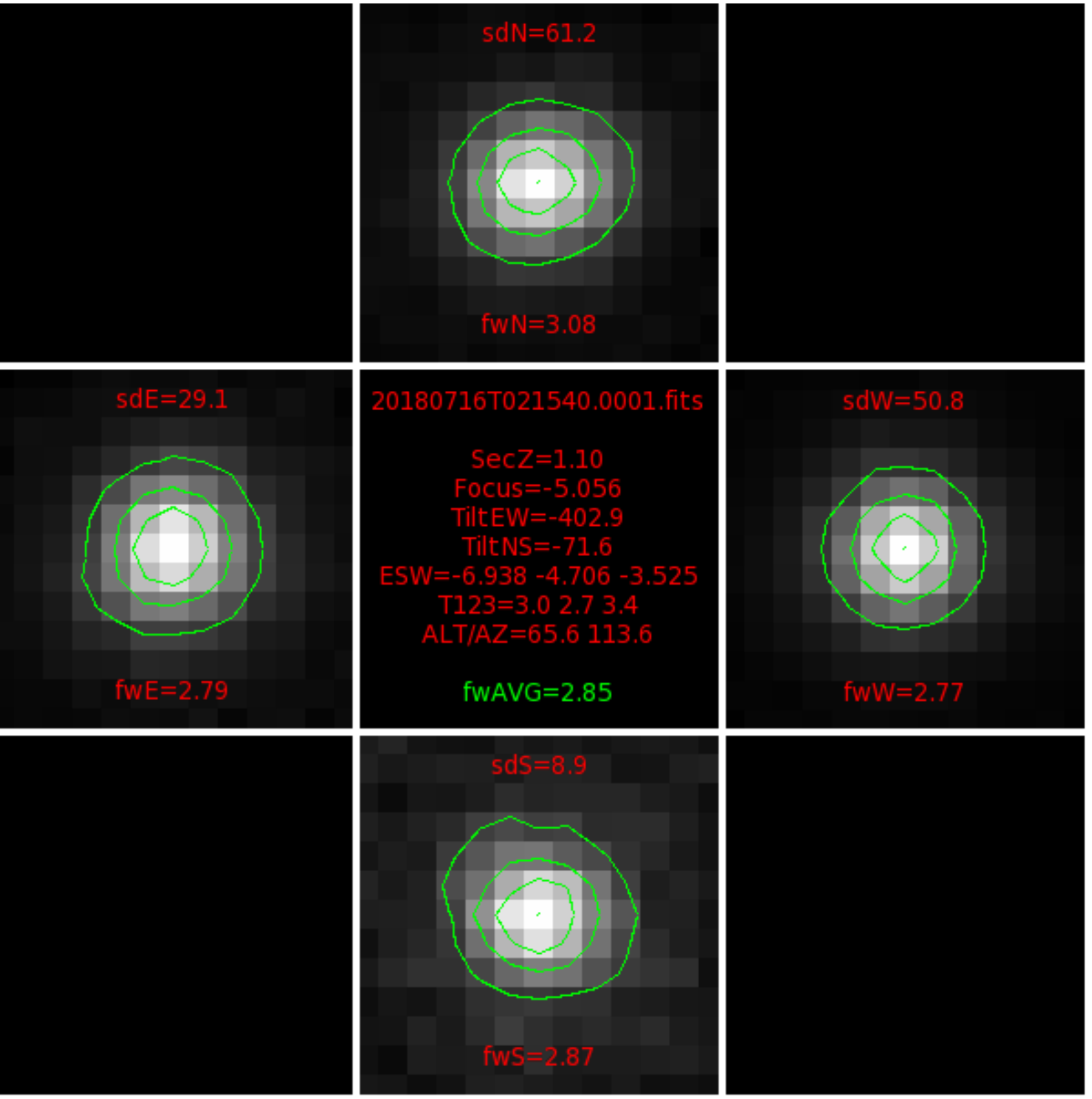
sdN=61.2
fwN=3.08
sdE=29.1
fwE=2.79
20180716T021540.0001.fits
SecZ=1.10
Focus=-5.056
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.938 -4.706 -3.525
T123=3.0 2.7 3.4
ALT/AZ=65.6 113.6
fwAVG=2.85
sdW=50.8
fwW=2.77
sdS=8.9
fwS=2.87
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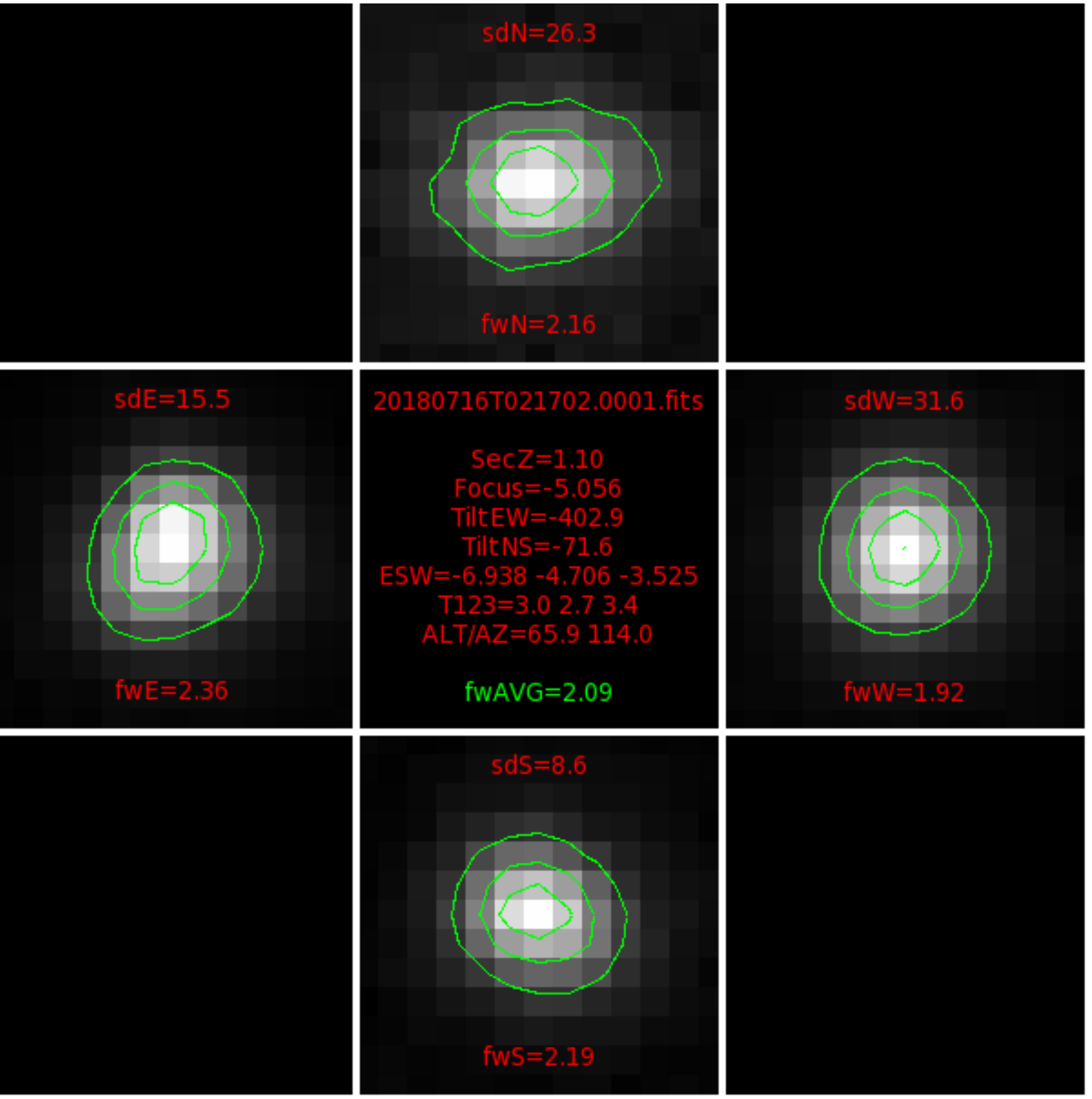
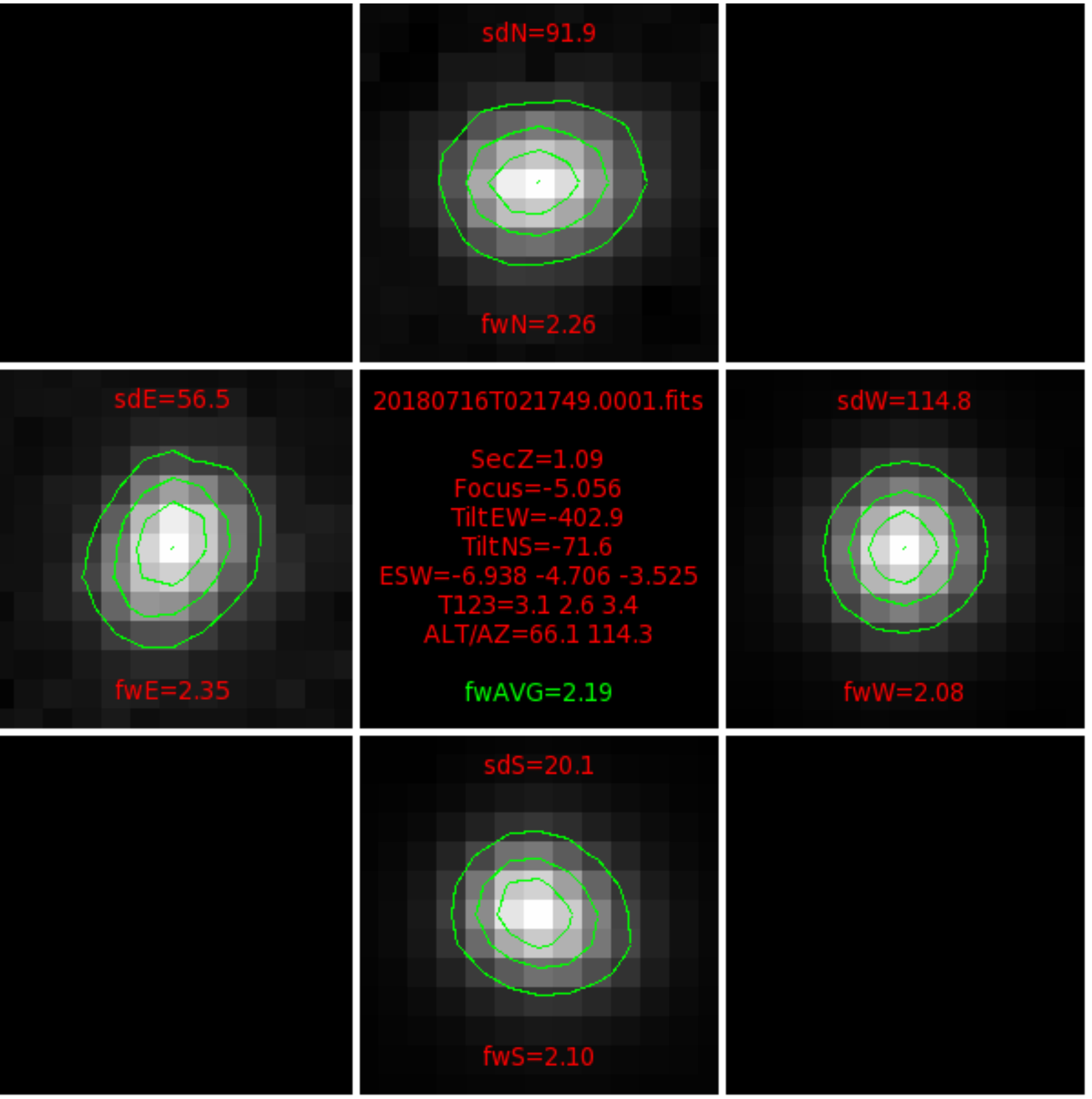
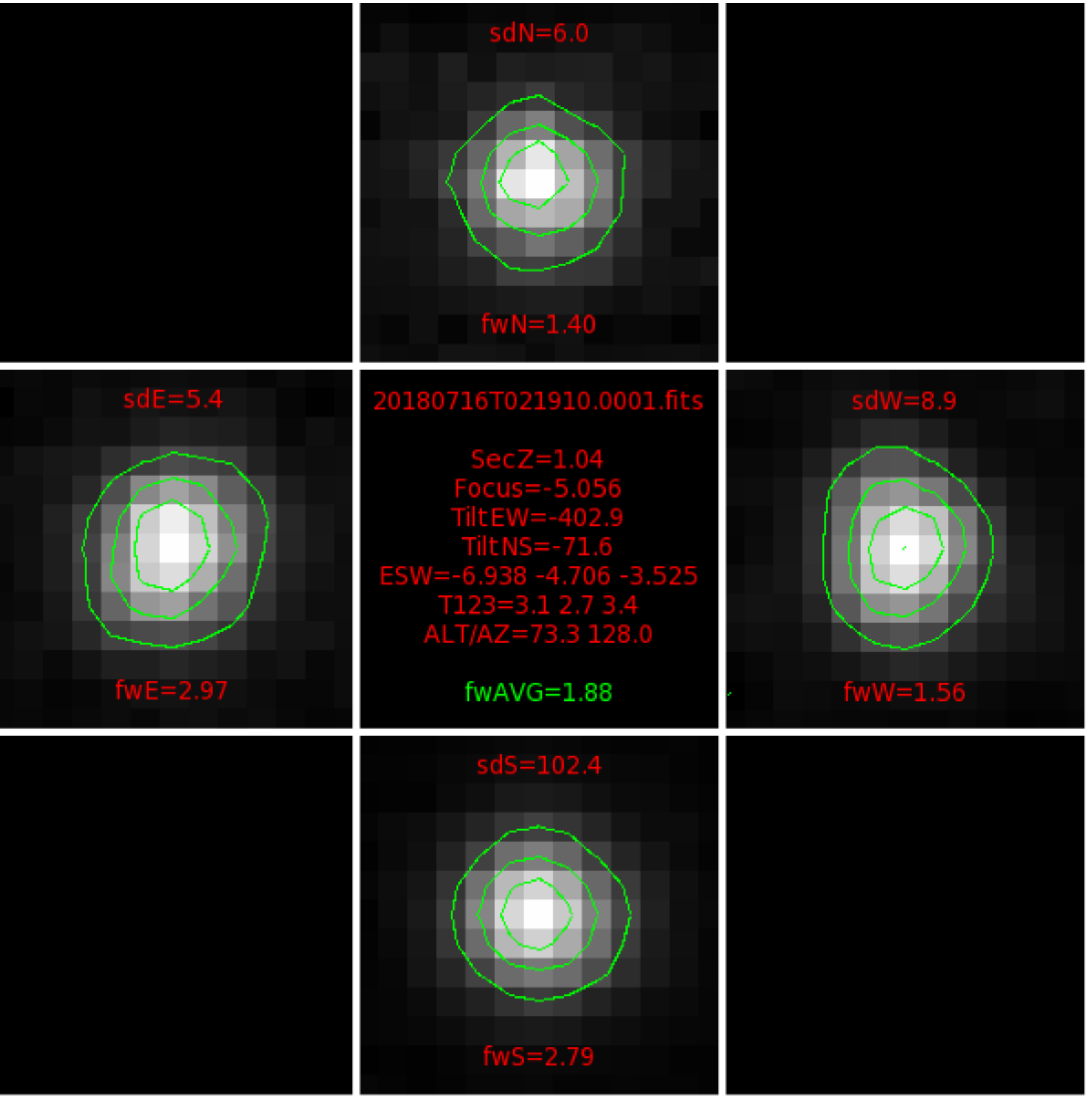

sdN=26.3
fwN=2.16
sdE=15.5
fwE=2.36
20180716T021702.0001.fits
SecZ=1.10
Focus=-5.056
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.938 -4.706 -3.525
T123=3.0 2.7 3.4
ALT/AZ=65.9 114.0
fwAVG=2.09
sdW=31.6
fwW=1.92
sdS=8.6
fwS=2.19
0 0 0 0 0 0 0 0 0


sdN=91.9
fwN=2.26
sdE=56.5
fwE=2.35
20180716T021749.0001.fits
SecZ=1.09
Focus=-5.056
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.938 -4.706 -3.525
T123=3.1 2.6 3.4
ALT/AZ=66.1 114.3
fwAVG=2.19
sdW=114.8
fwW=2.08
sdS=20.1
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=6.0
fwN=1.40
sdE=5.4
fwE=2.97
20180716T021910.0001.fits
SecZ=1.04
Focus=-5.056
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.938 -4.706 -3.525
T123=3.1 2.7 3.4
ALT/AZ=73.3 128.0
fwAVG=1.88
sdW=8.9
fwW=1.56
sdS=102.4
fwS=2.79
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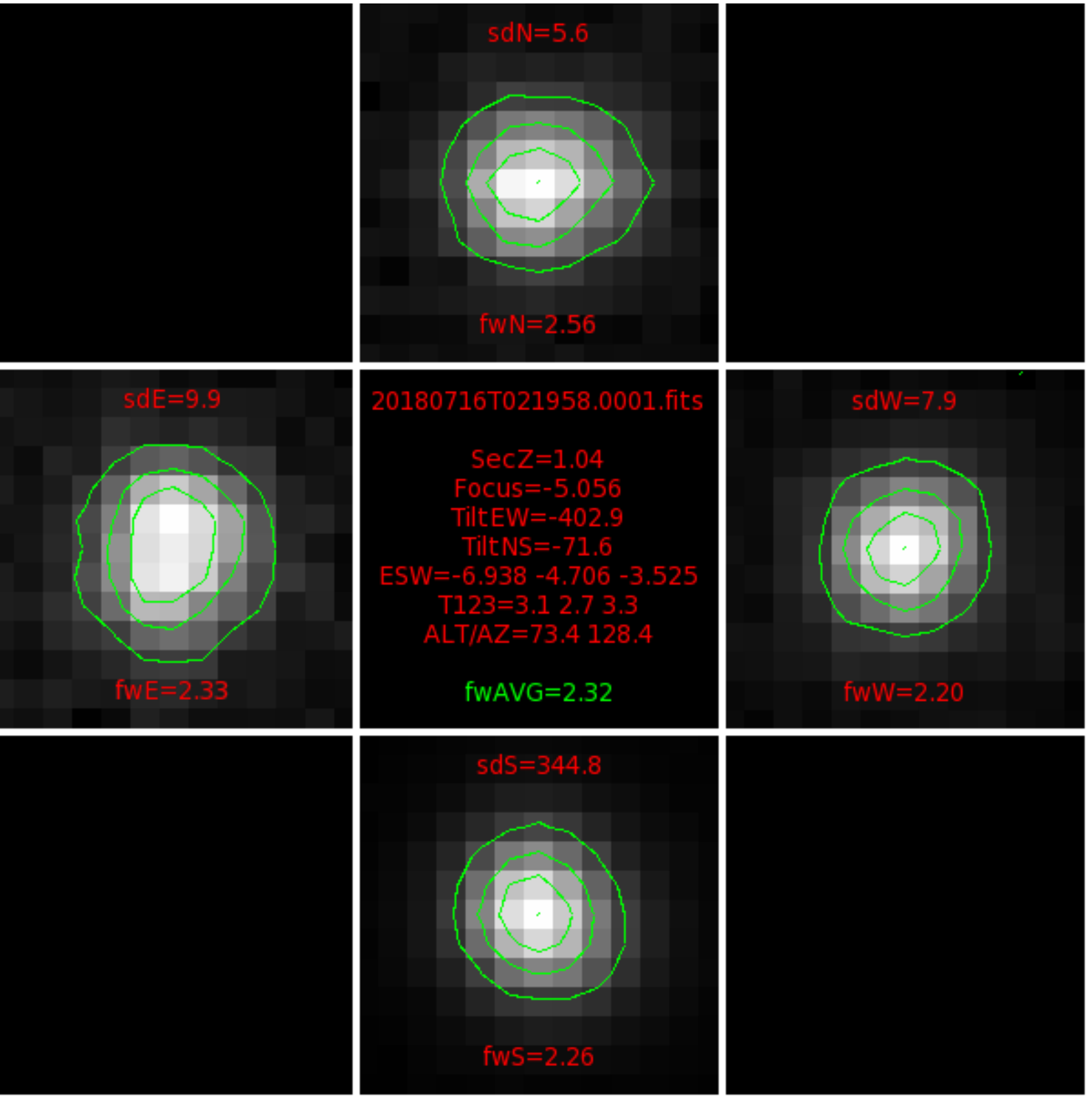
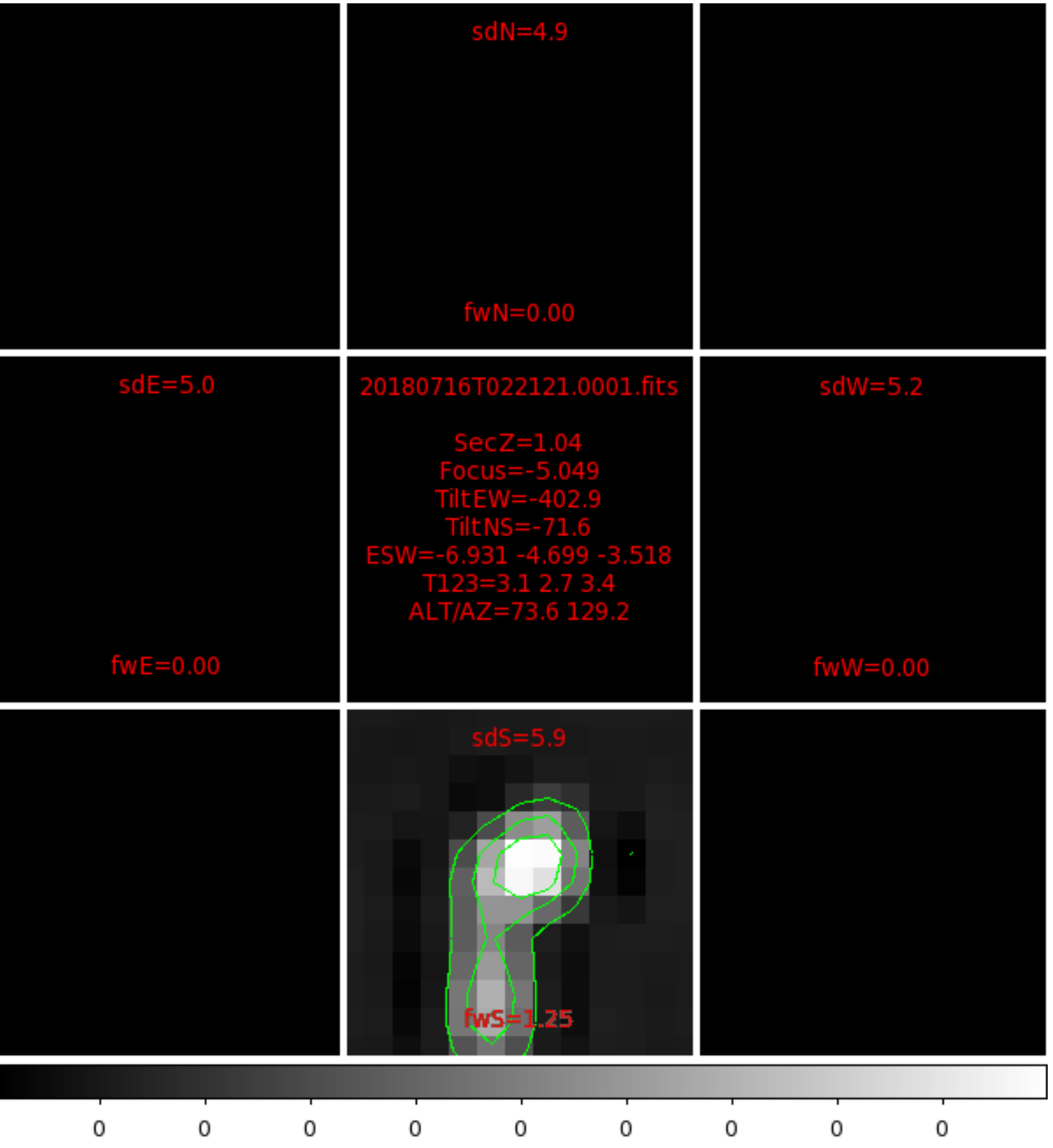
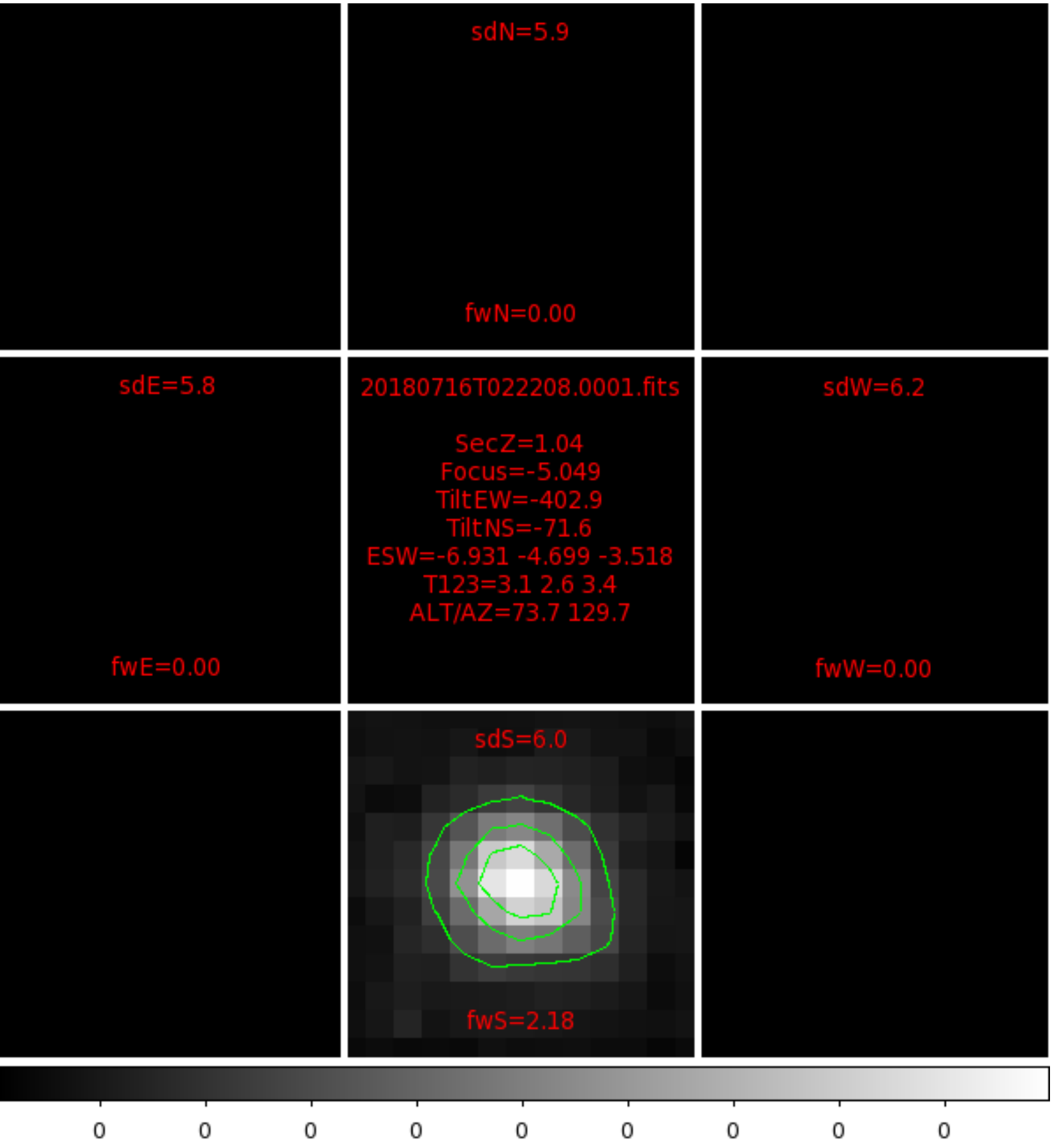

sdN=5.6
fwN=2.56
sdE=9.9
fwE=2.33
20180716T021958.0001.fits
SecZ=1.04
Focus=-5.056
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.938 -4.706 -3.525
T123=3.1 2.7 3.3
ALT/AZ=73.4 128.4
fwAVG=2.32
sdW=7.9
fwW=2.20
sdS=344.8
fwS=2.26
0 0 0 0 0 0 0 0 0


sdN=4.9
fwN=0.00
sdE=5.0
20180716T022121.0001.fits
SecZ=1.04
Focus=-5.049
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.931 -4.699 -3.518
T123=3.1 2.7 3.4
ALT/AZ=73.6 129.2
sdW=5.2
fwE=0.00
fwW=0.00
sdS=5.9
fwS=1.25
0 0 0 0 0 0 0 0 0


sdN=5.9
fwN=0.00
sdE=5.8
20180716T022208.0001.fits
SecZ=1.04
Focus=-5.049
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.931 -4.699 -3.518
T123=3.1 2.6 3.4
ALT/AZ=73.7 129.7
sdW=6.2
fwE=0.00
fwW=0.00
sdS=6.0
fwS=2.18
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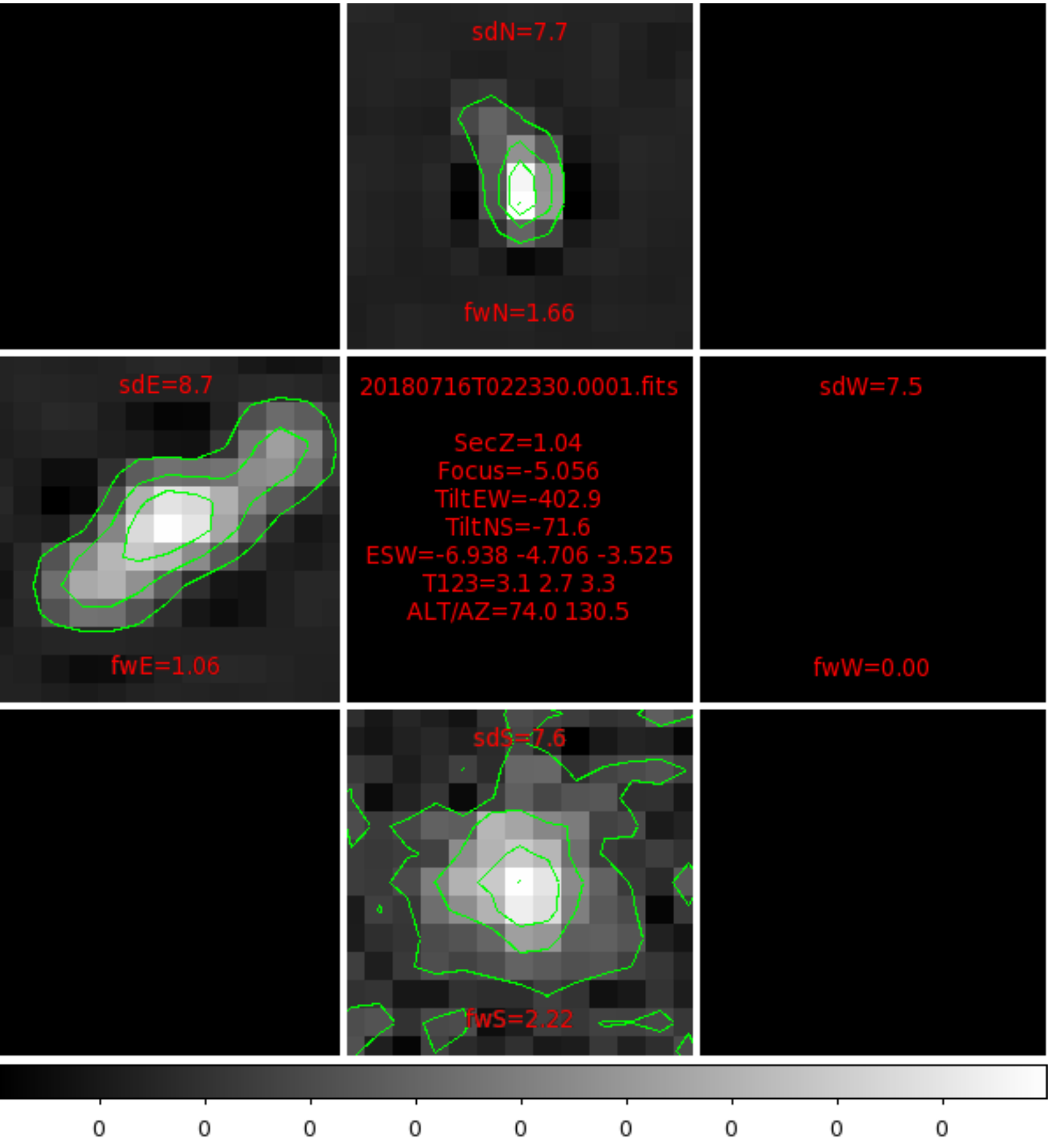
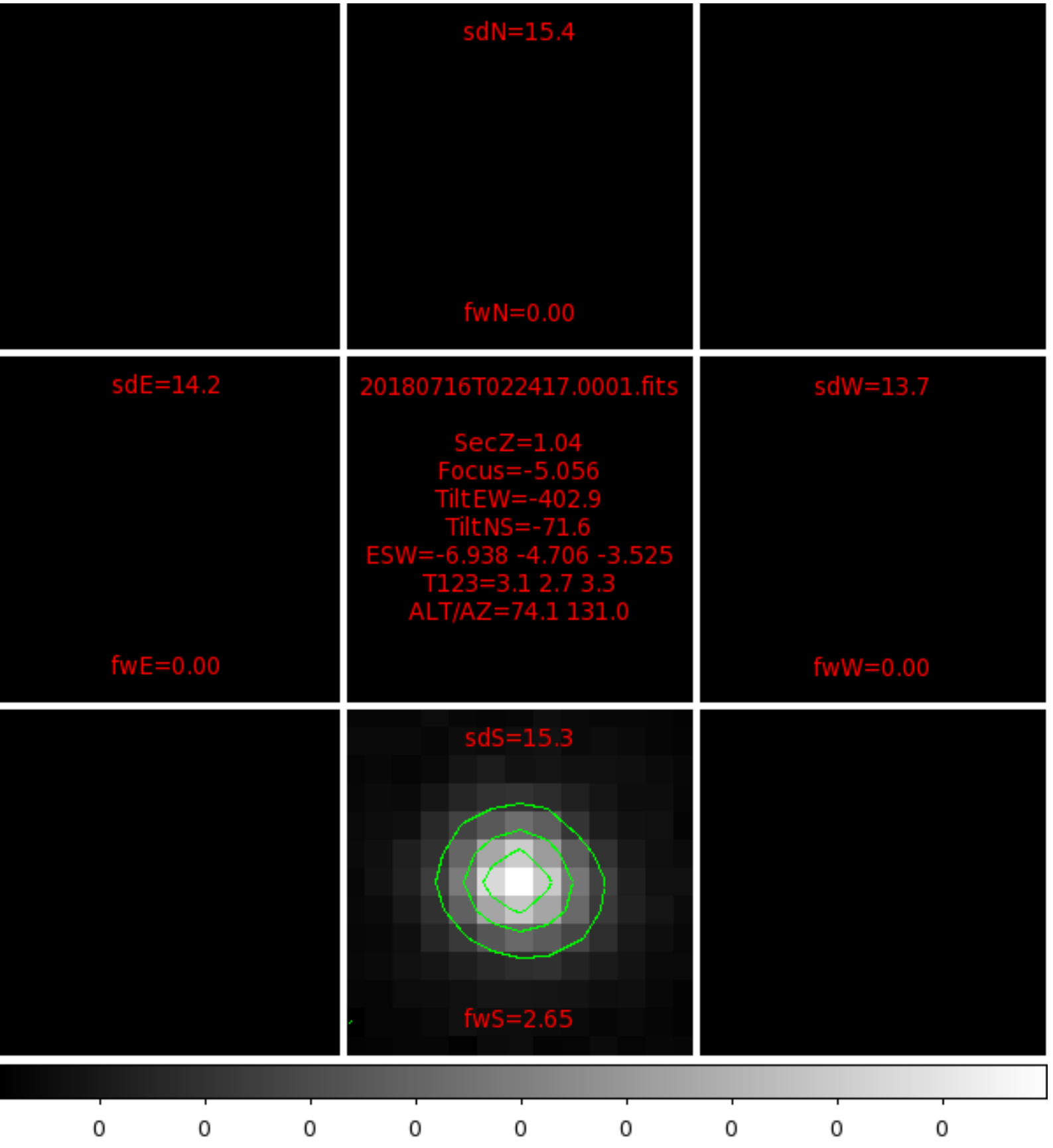
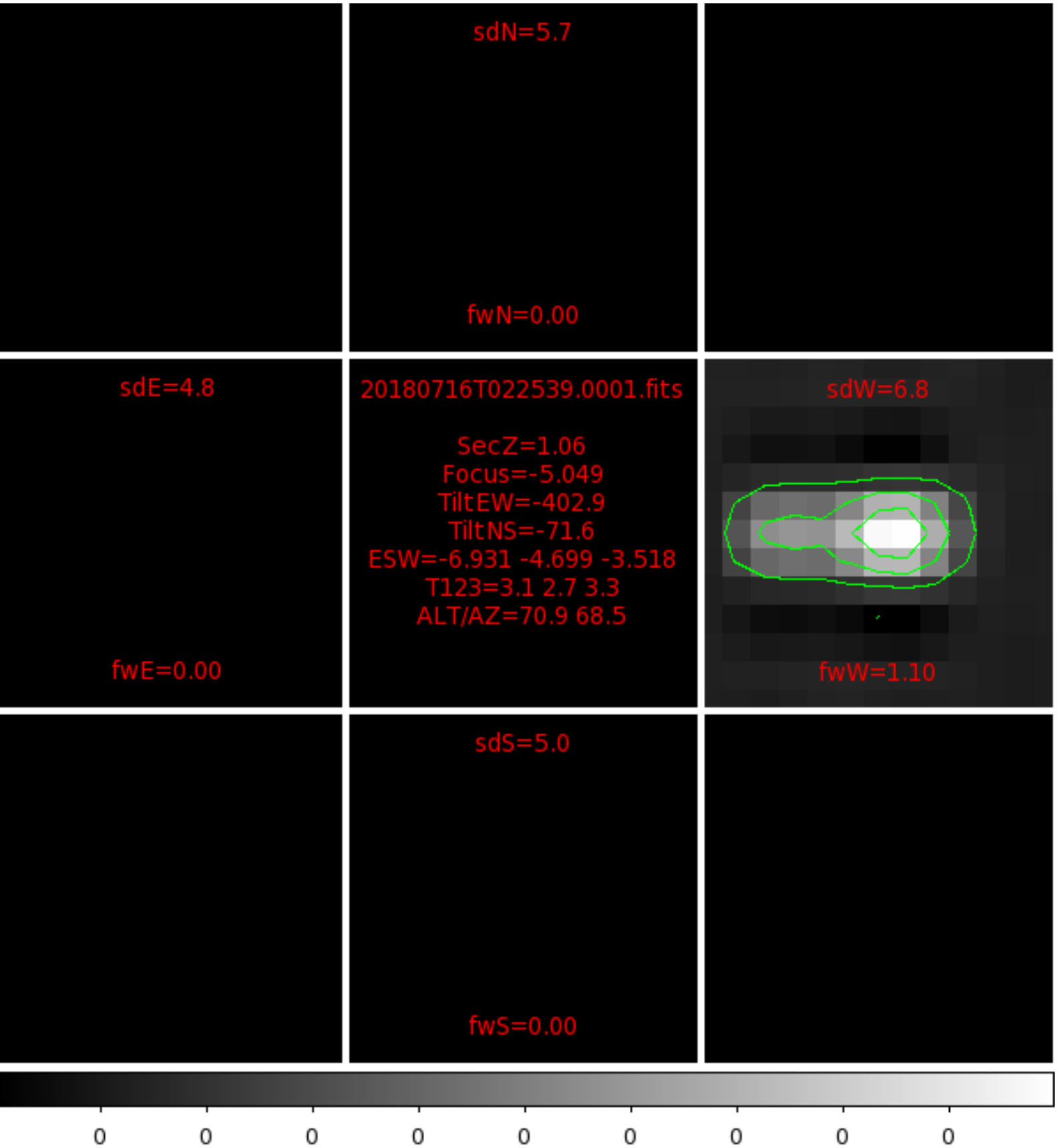

sdN=7.7
fwN=1.66
sdE=8.7
fwE=1.06
20180716T022330.0001.fits
SecZ=1.04
Focus=-5.056
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.938 -4.706 -3.525
T123=3.1 2.7 3.3
ALT/AZ=74.0 130.5
sdW=7.5
fwW=0.00
sdS=7.6
fwS=2.22
0 0 0 0 0 0 0 0 0


sdN=15.4
fwN=0.00
sdE=14.2
20180716T022417.0001.fits
SecZ=1.04
Focus=-5.056
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.938 -4.706 -3.525
T123=3.1 2.7 3.3
ALT/AZ=74.1 131.0
sdW=13.7
fwE=0.00
fwW=0.00
sdS=15.3
fwS=2.65
0 0 0 0 0 0 0 0 0


sdN=5.7
fwN=0.00
sdE=4.8
fwE=0.00
20180716T022539.0001.fits
SecZ=1.06
Focus=-5.049
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.931 -4.699 -3.518
T123=3.1 2.7 3.3
ALT/AZ=70.9 68.5
sdW=6.8
fwW=1.10
sdS=5.0
fwS=0.00
0 0 0 0 0 0 0 0 0

sdN=5.4
fwN=0.00
sdE=4.9
20180716T022626.0001.fits
SecZ=1.06
Focus=-5.049
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.931 -4.699 -3.518
T123=3.1 2.6 3.3
ALT/AZ=71.1 68.4
sdW=5.6
fwE=0.00
fwW=0.00
sdS=5.4
fwS=0.00
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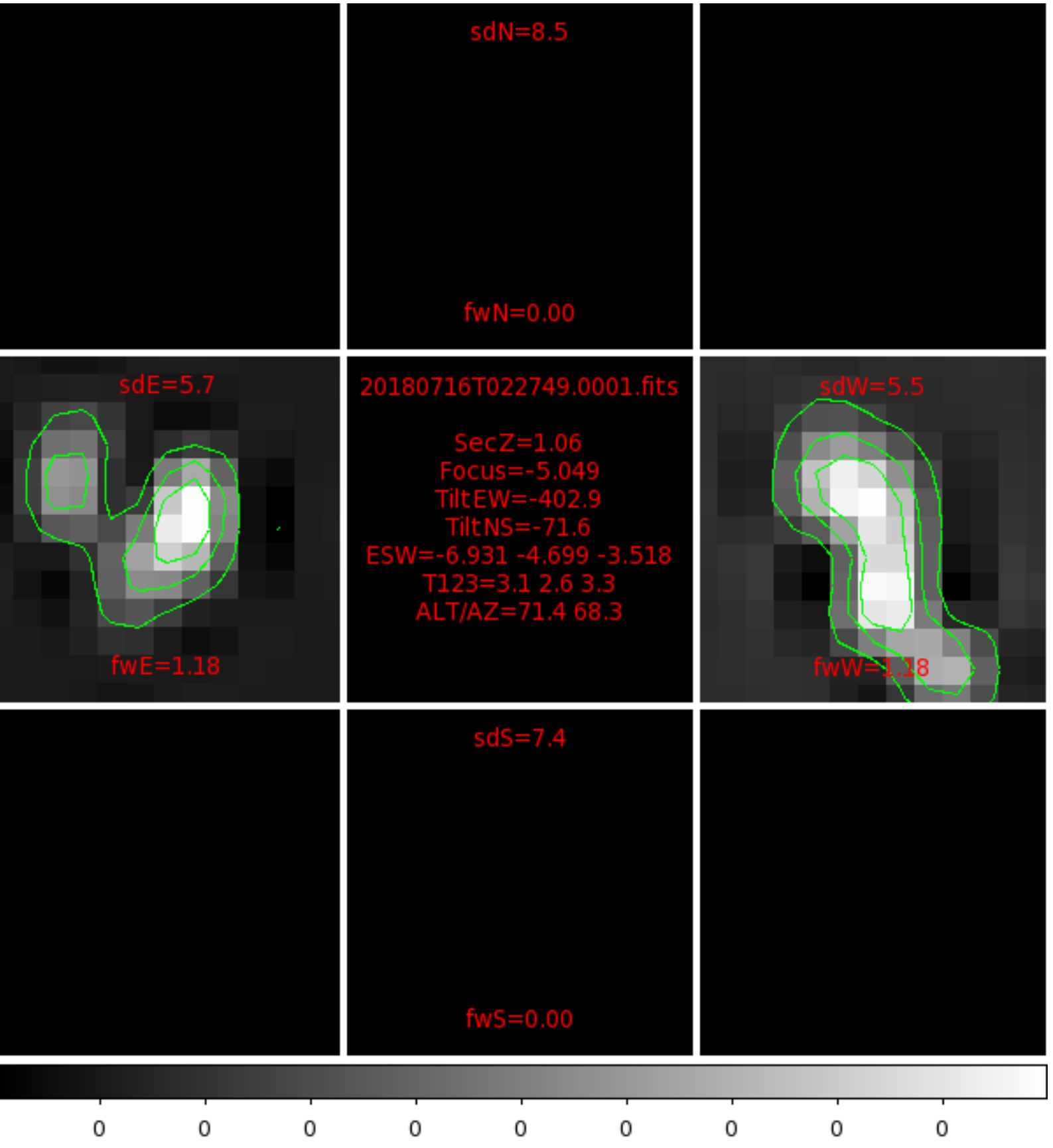
sdN=8.5
fwN=0.00
sdE=5.7
20180716T022749.0001.fits
SecZ=1.06
Focus=-5.049
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.931 -4.699 -3.518
T123=3.1 2.6 3.3
ALT/AZ=71.4 68.3
sdW=5.5
fwE=1.18
fwW=1.18
sdS=7.4
fwS=0.00
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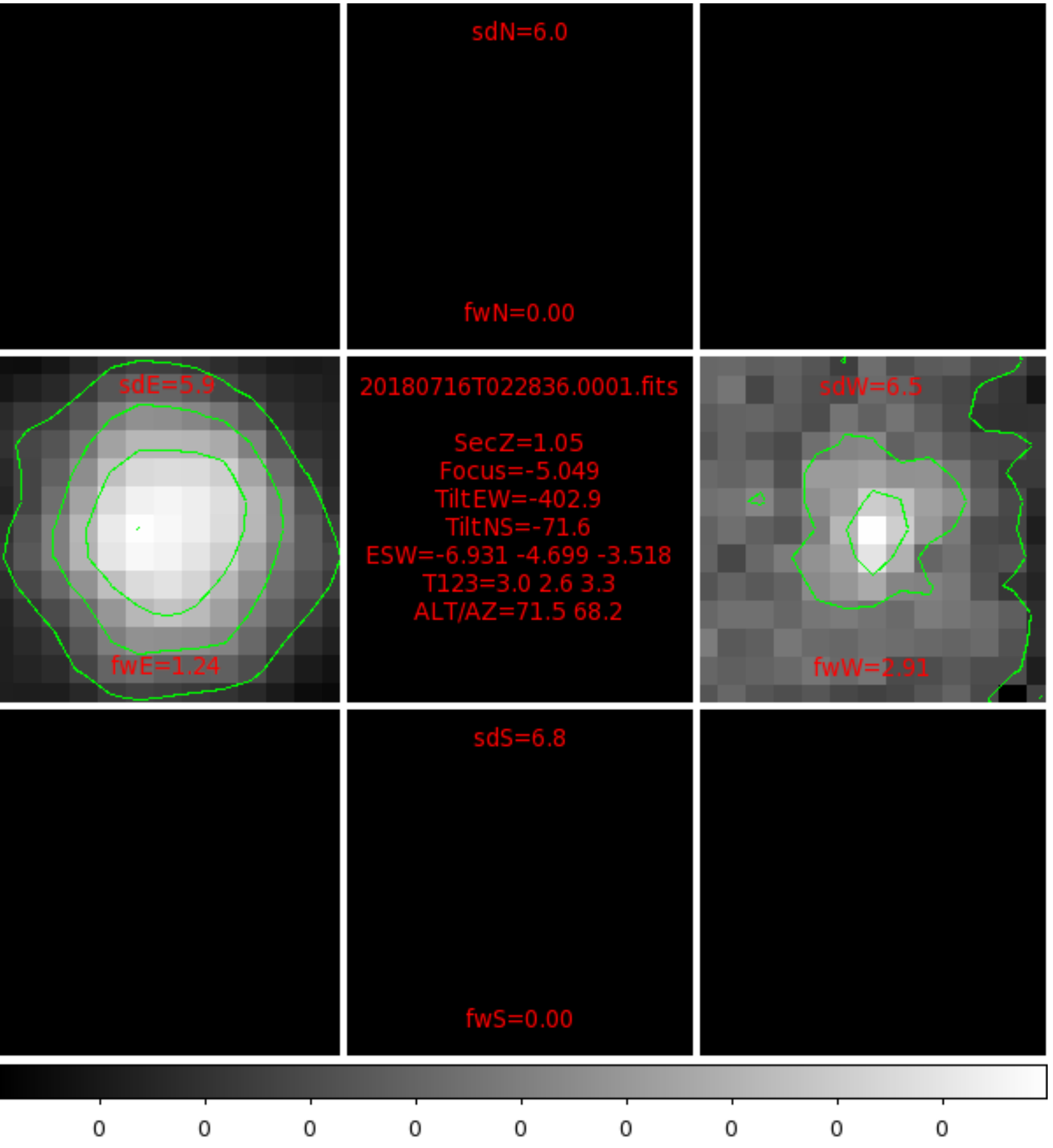
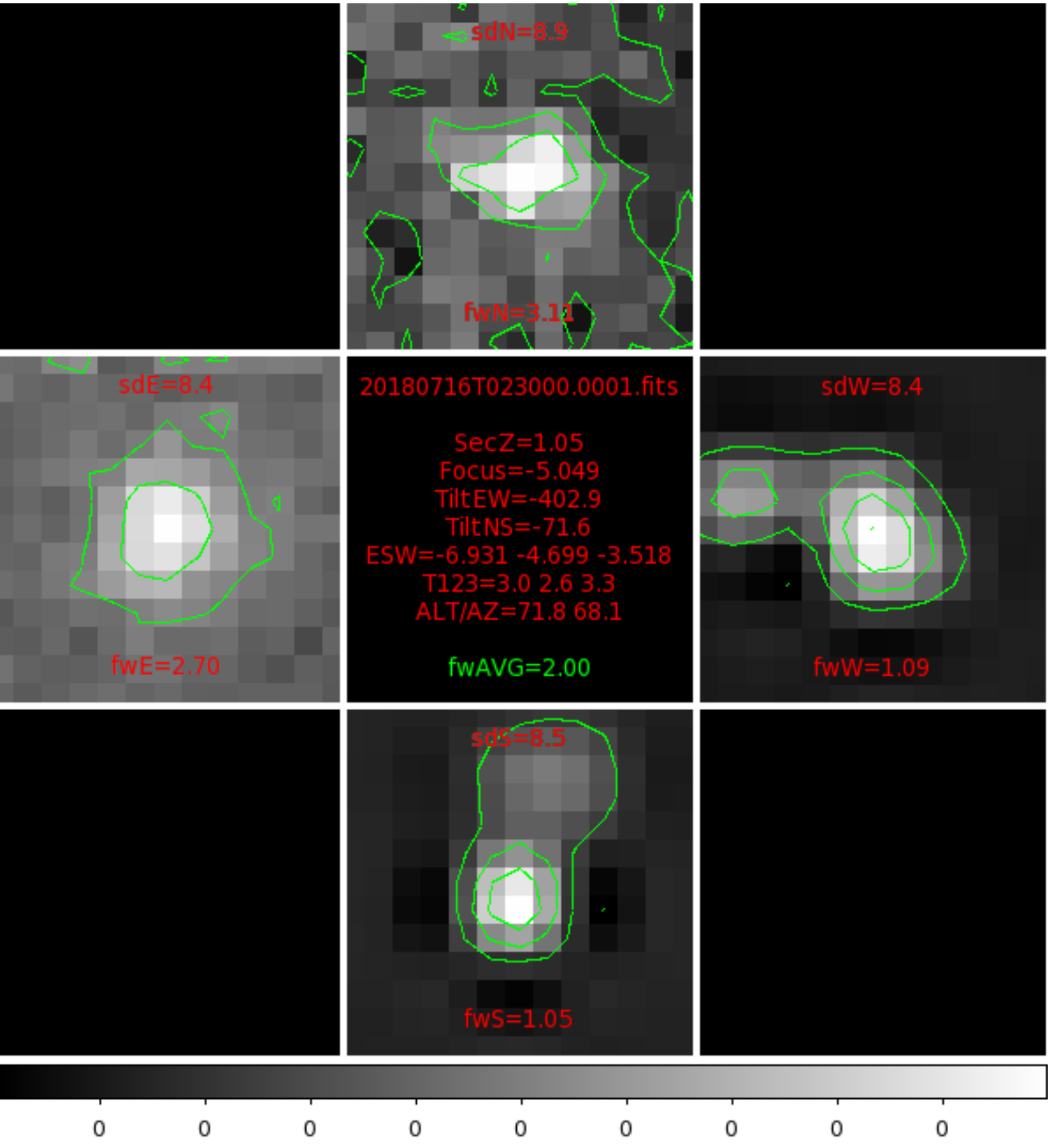

sdN=6.0
fwN=0.00
sdE=5.9
fwE=1.24
20180716T022836.0001.fits
SecZ=1.05
Focus=-5.049
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.931 -4.699 -3.518
T123=3.0 2.6 3.3
ALT/AZ=71.5 68.2
sdW=6.5
fwW=2.91
sdS=6.8
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=8.9
fwN=3.11
sdE=8.4
20180716T023000.0001.fits
SecZ=1.05
Focus=-5.049
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.931 -4.699 -3.518
T123=3.0 2.6 3.3
ALT/AZ=71.8 68.1
fwAVG=2.00
sdW=8.4
fwE=2.70
fwW=1.09
sdS=8.5
fwS=1.05
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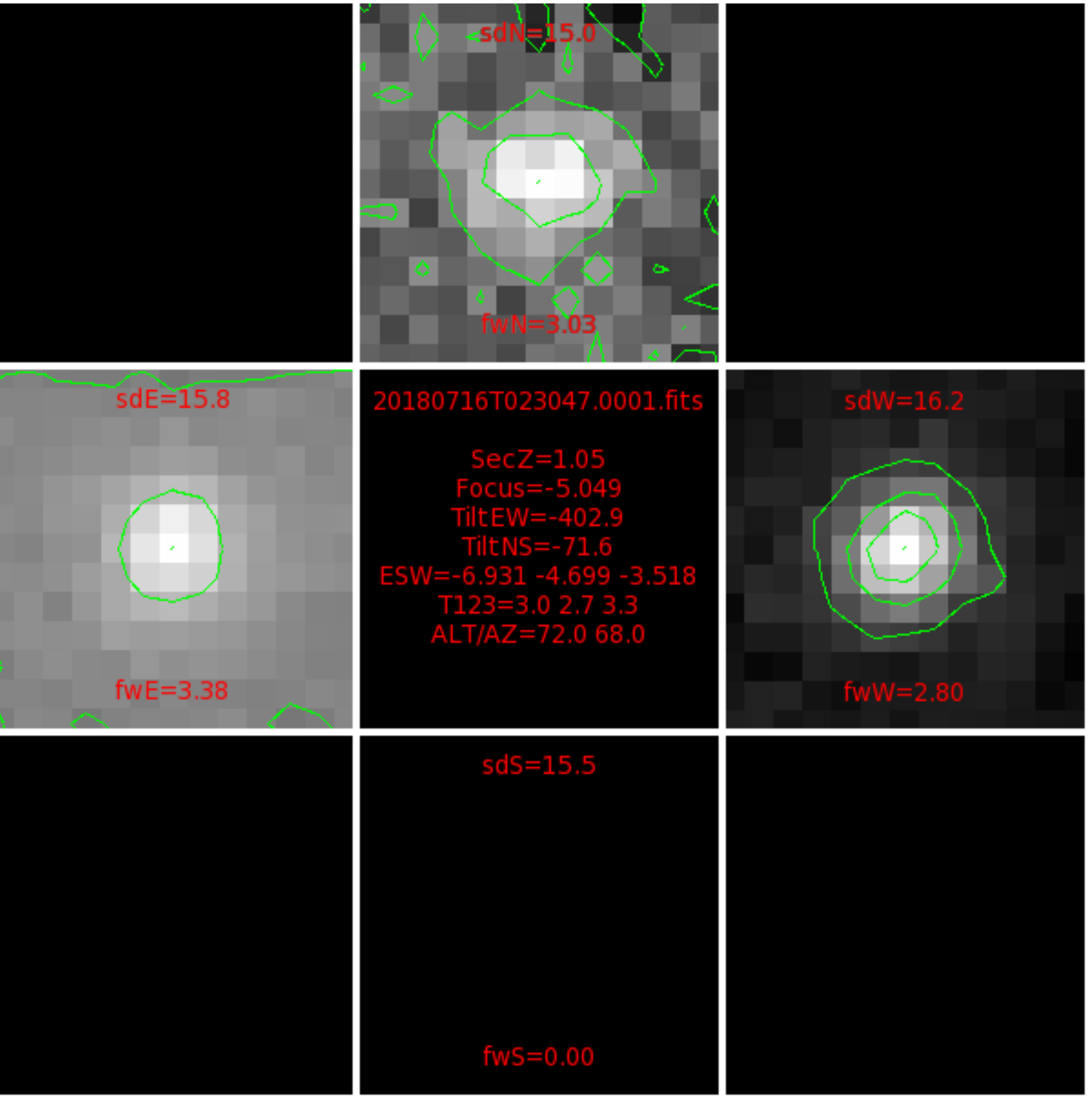
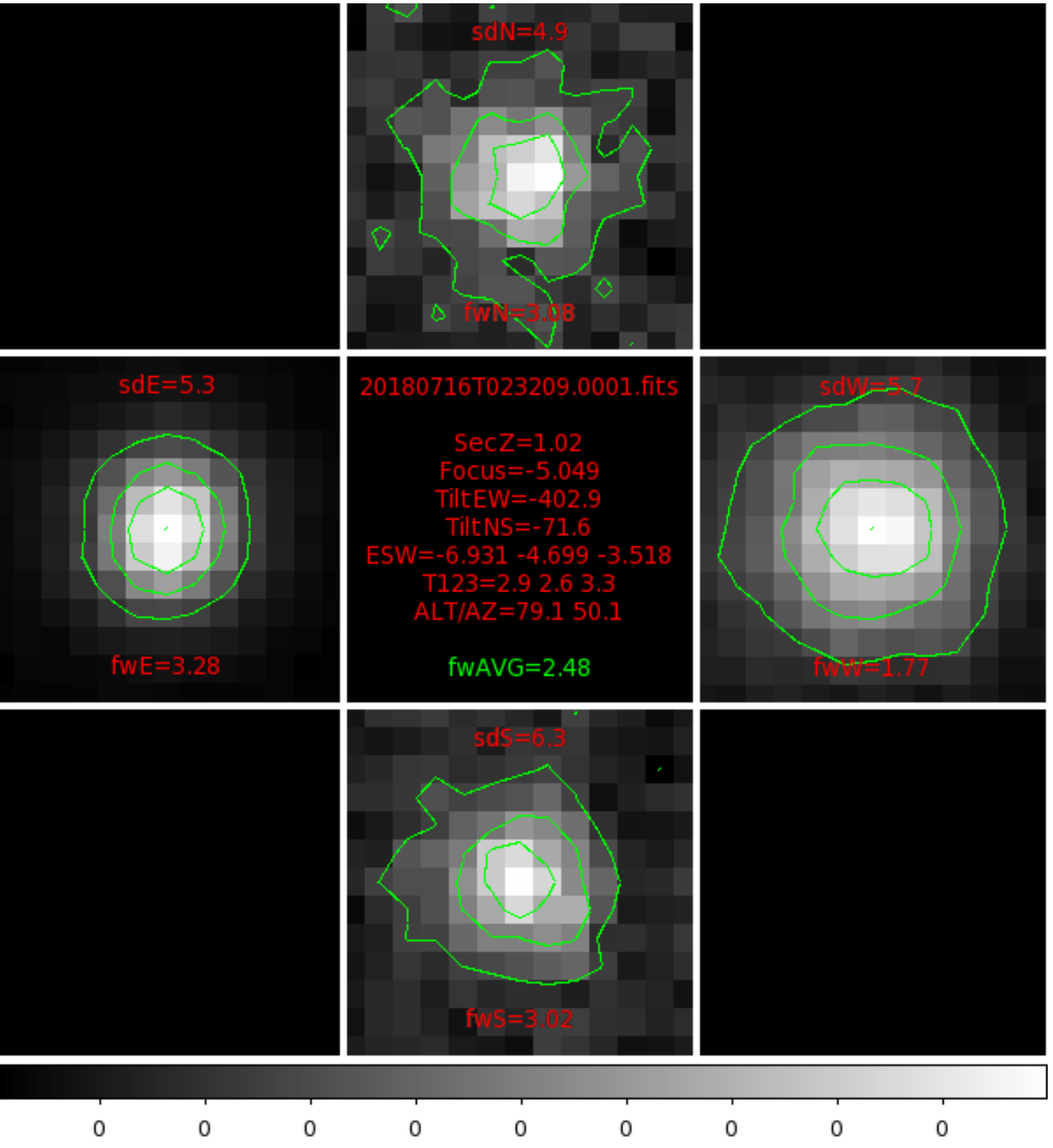

sdN=15.0
fwN=3.03
sdE=15.8
fwE=3.38
20180716T023047.0001.fits
SecZ=1.05
Focus=-5.049
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.931 -4.699 -3.518
T123=3.0 2.7 3.3
ALT/AZ=72.0 68.0
sdW=16.2
fwW=2.80
sdS=15.5
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=4.9
fwN=3.08
sdE=5.3
fwE=3.28
20180716T023209.0001.fits
SecZ=1.02
Focus=-5.049
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.931 -4.699 -3.518
T123=2.9 2.6 3.3
ALT/AZ=79.1 50.1
fwAVG=2.48
sdW=5.7
fwW=1.77
sdS=6.3
fwS=3.02
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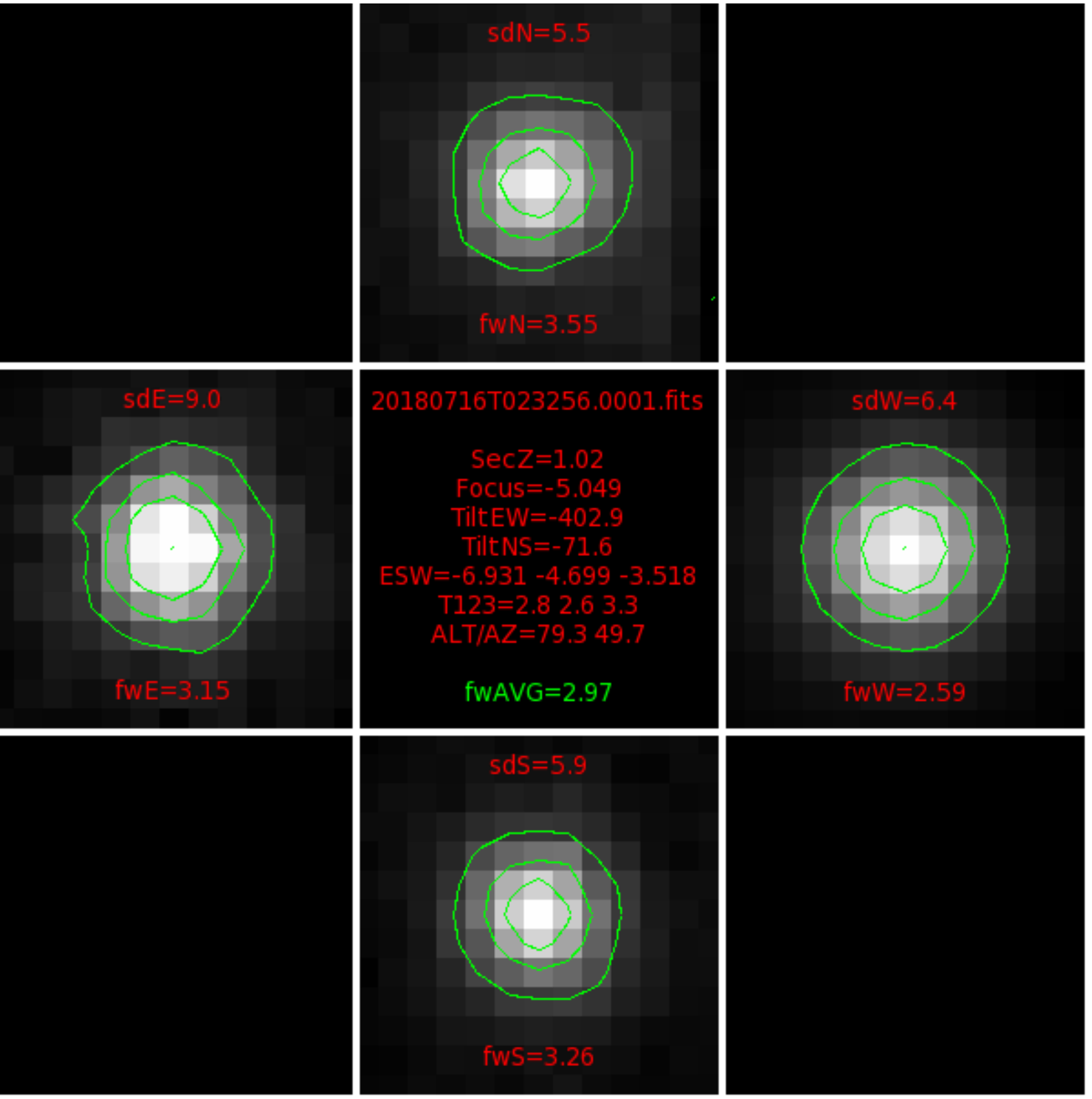
sdN=5.5
fwN=3.55
sdE=9.0
fwE=3.15
20180716T023256.0001.fits
SecZ=1.02
Focus=-5.049
TiltEW=-402.9
TiltNS=-71.6
ESW=-6.931 -4.699 -3.518
T123=2.8 2.6 3.3
ALT/AZ=79.3 49.7
fwAVG=2.97
sdW=6.4
fwW=2.59
sdS=5.9
fwS=3.26
0 0 0 0 0 0 0 0 0