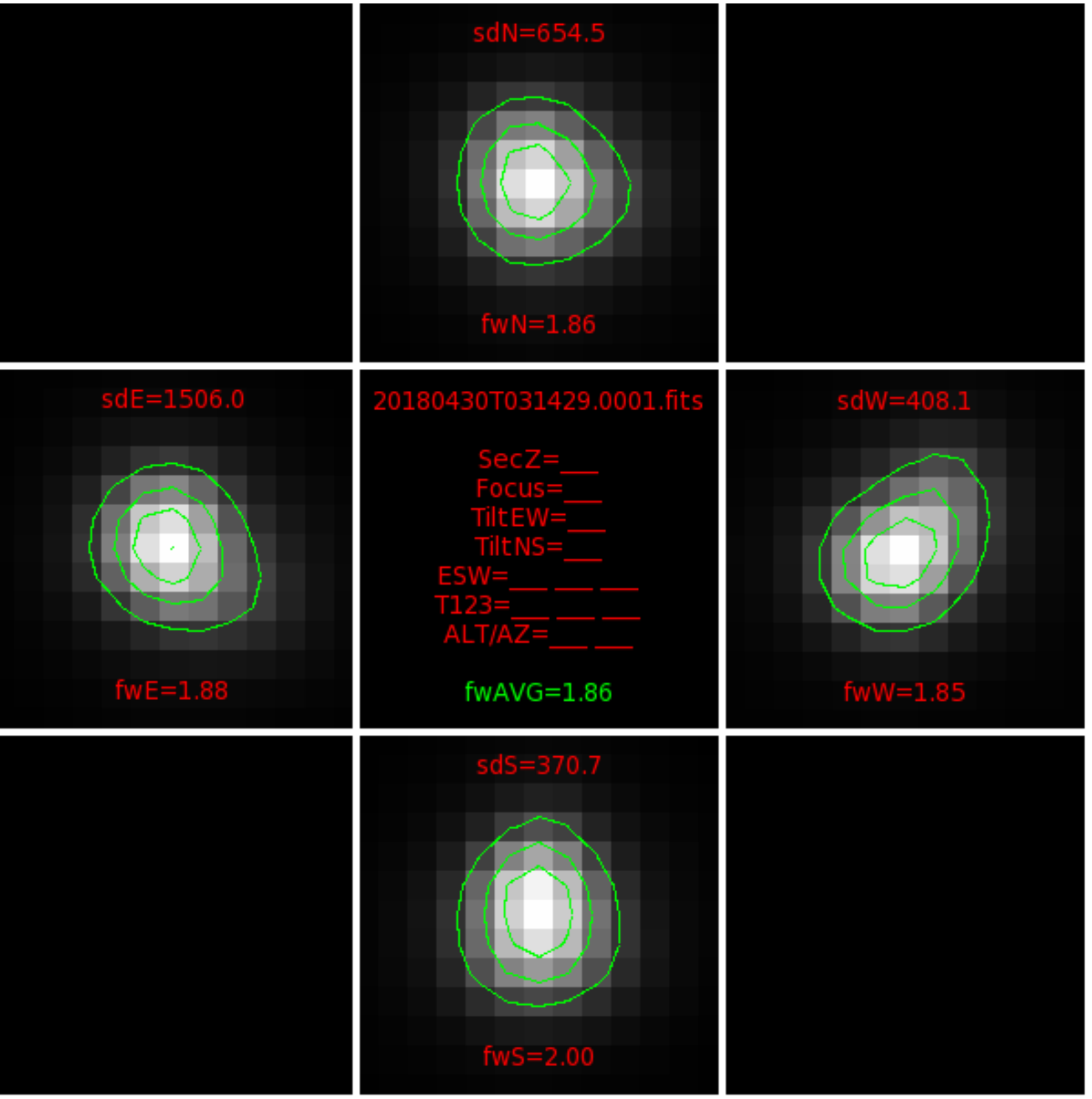
sdN=654.5
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SecZ=___
Focus=___
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TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.86
sdW=408.1
fwW=1.85
sdS=370.7
fwS=2.00
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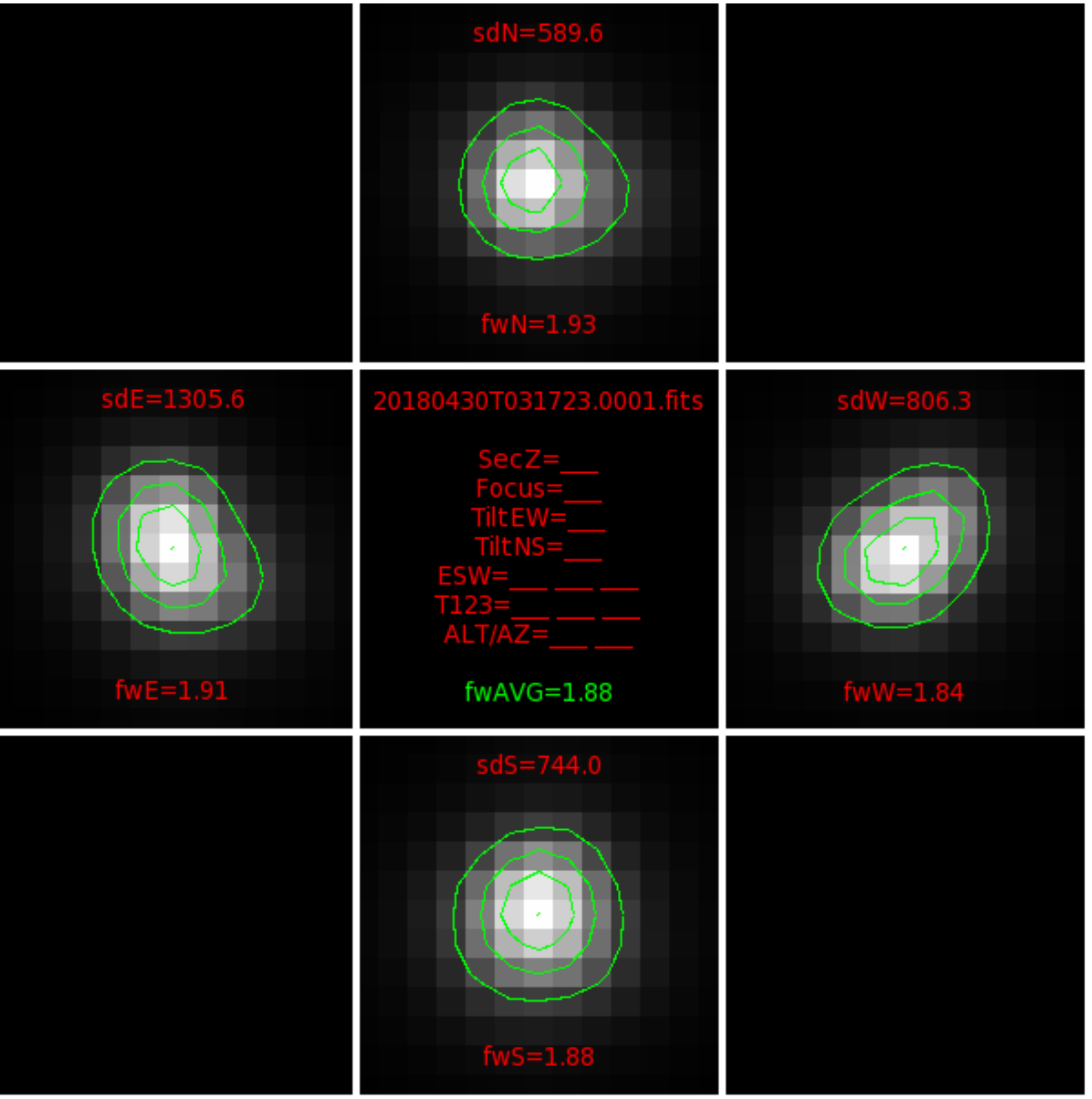
0.0196
0.0295
0.0393
0.0492
0.0590
0.0688
0.0787
0.0885


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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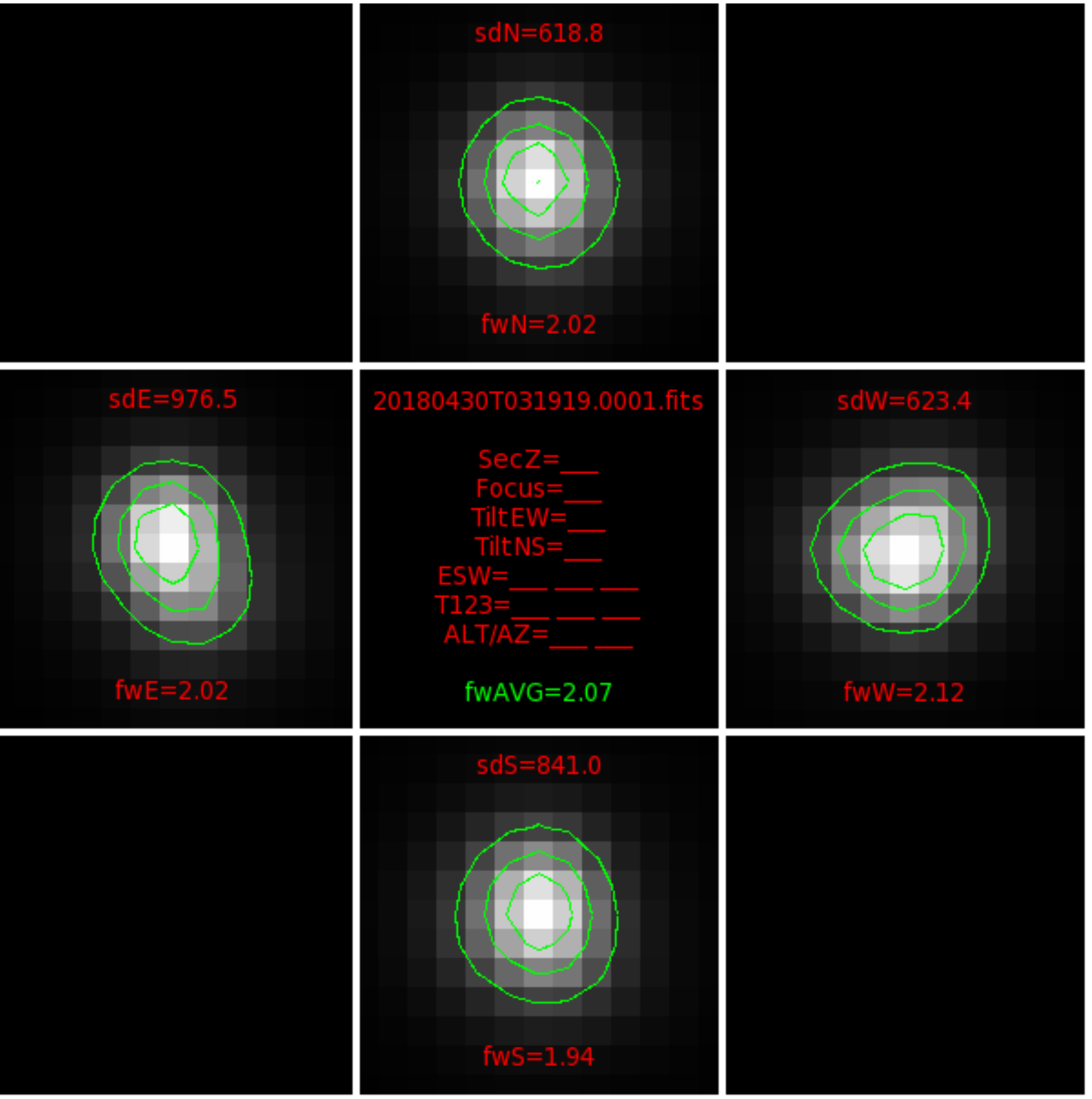
0.011
0.022
0.032
0.043
0.054
0.065
0.076
0.087
0.097


sdN=618.8
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SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
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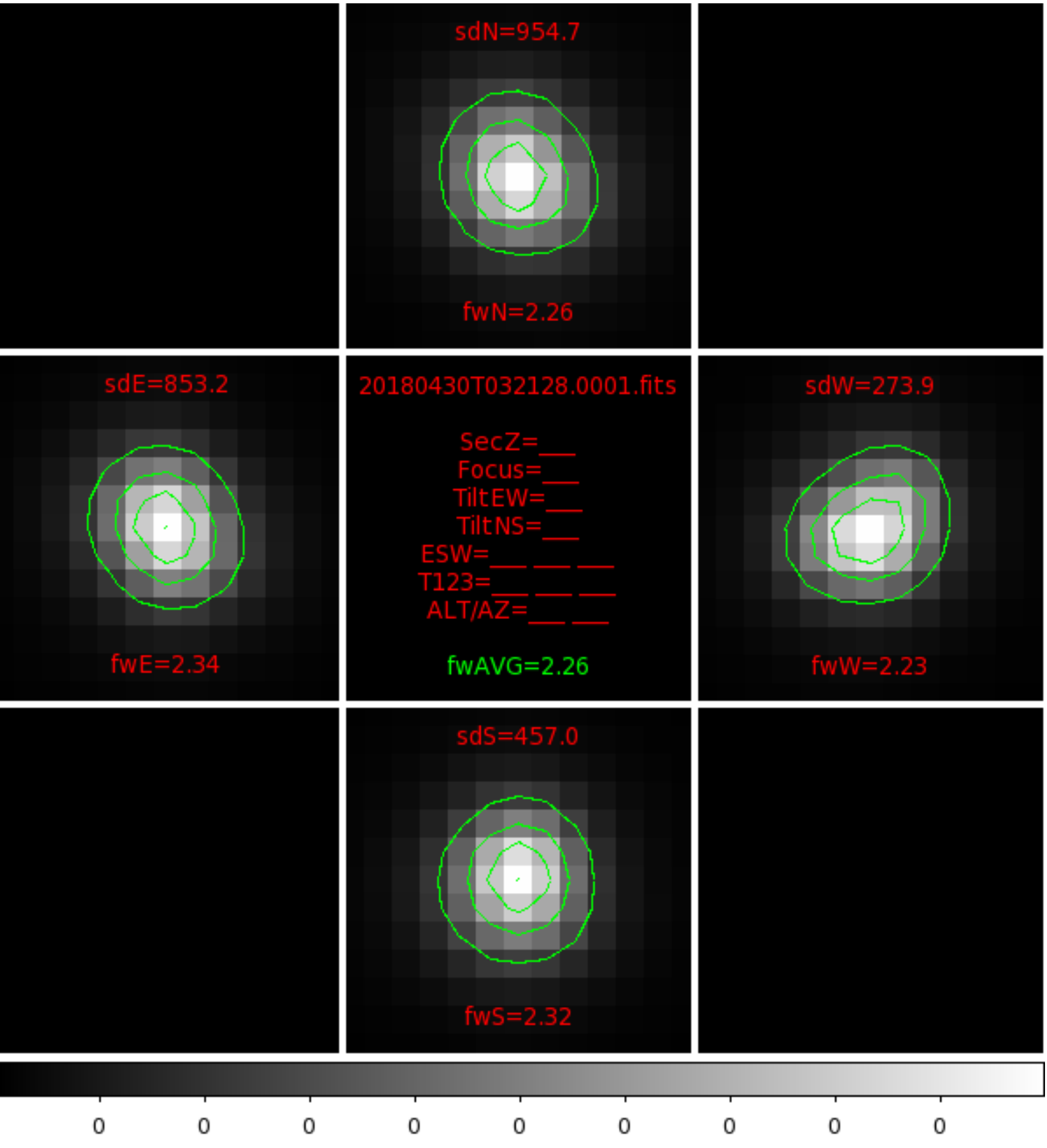
sdN=954.7
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SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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sdS=457.0
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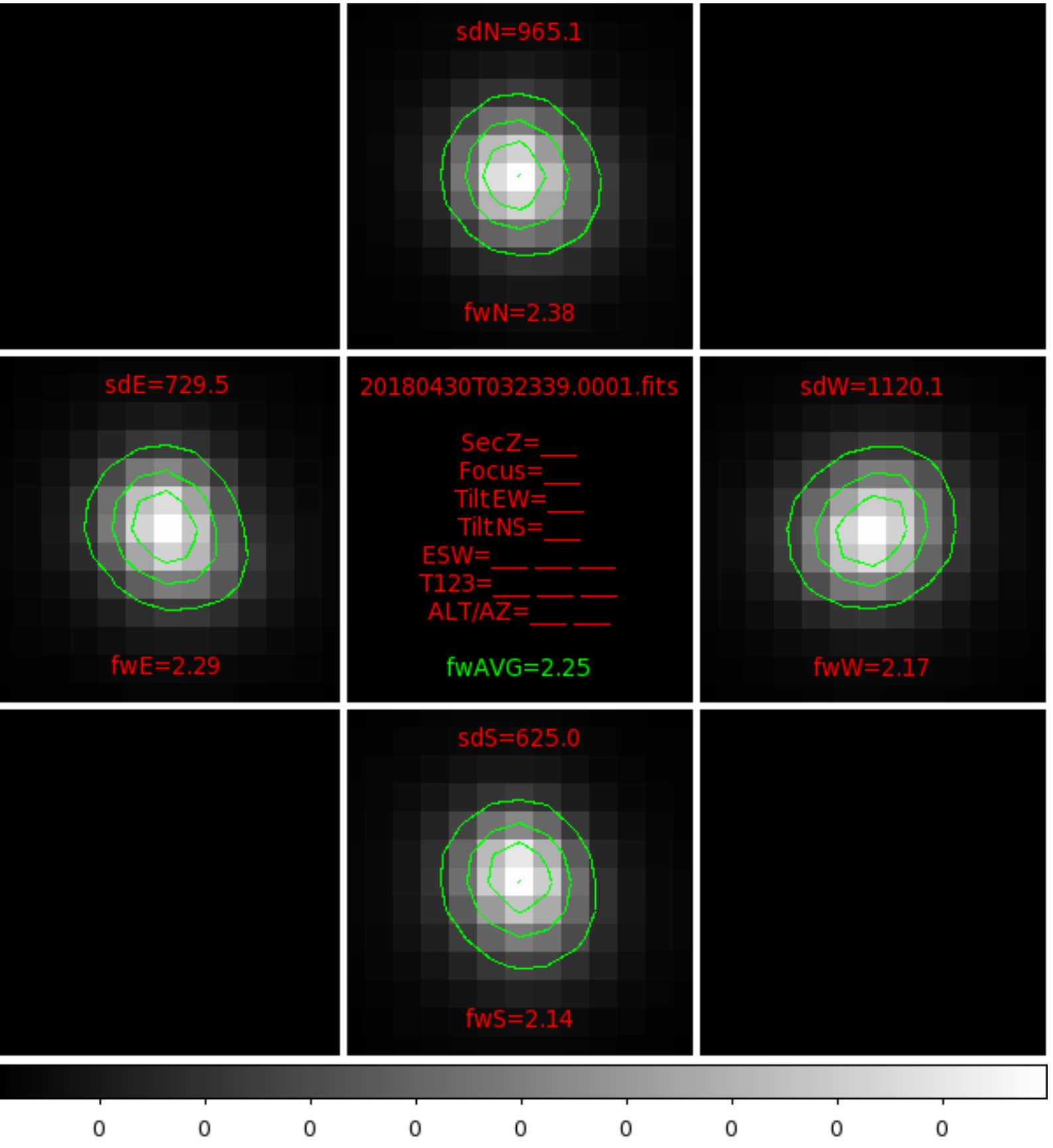
sdN=965.1
fwN=2.38
sdE=729.5
fwE=2.29
20180430T032339.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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fwW=2.17
sdS=625.0
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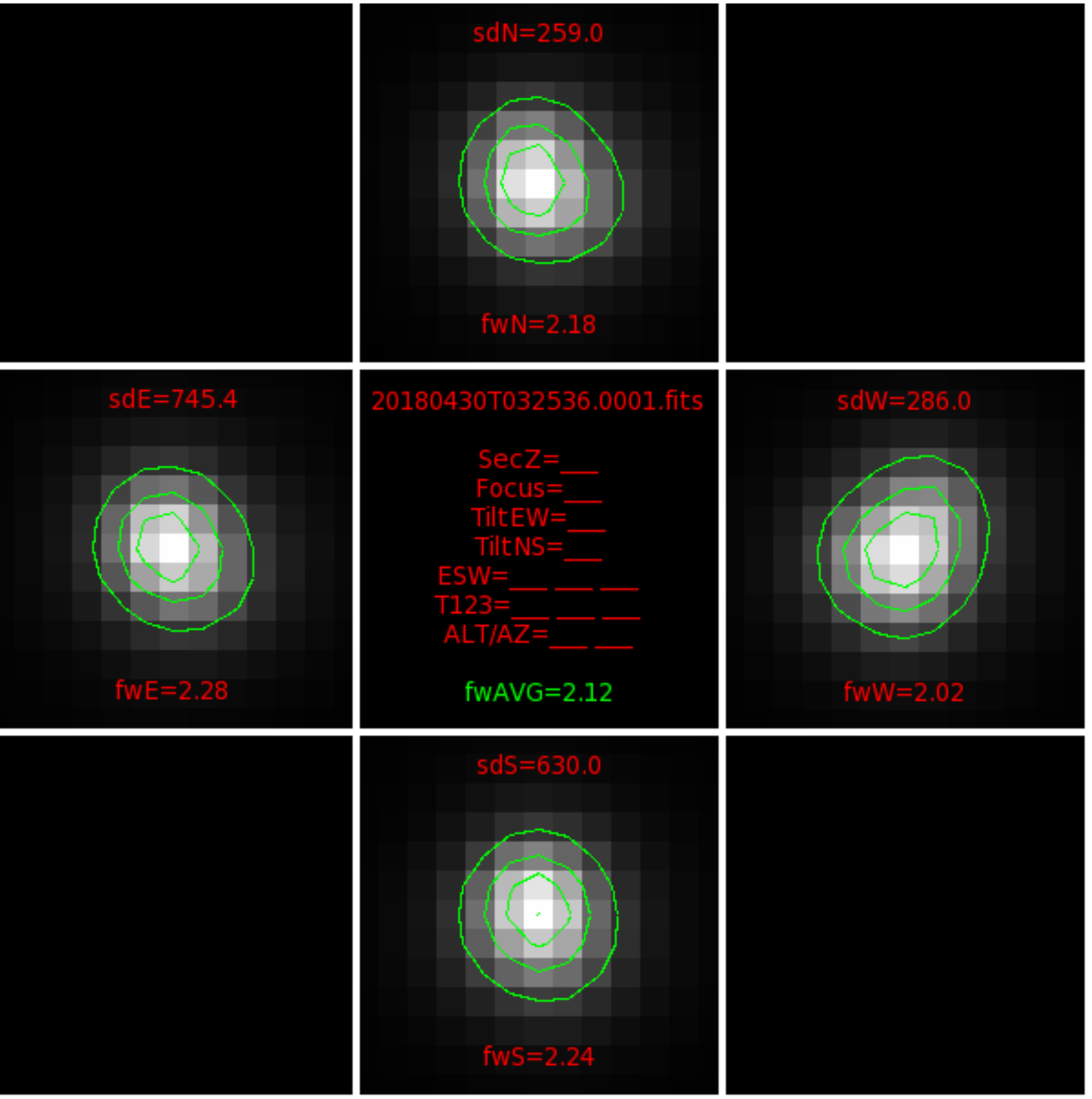
sdN=259.0
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sdE=745.4
fwE=2.28
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SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
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sdS=630.0
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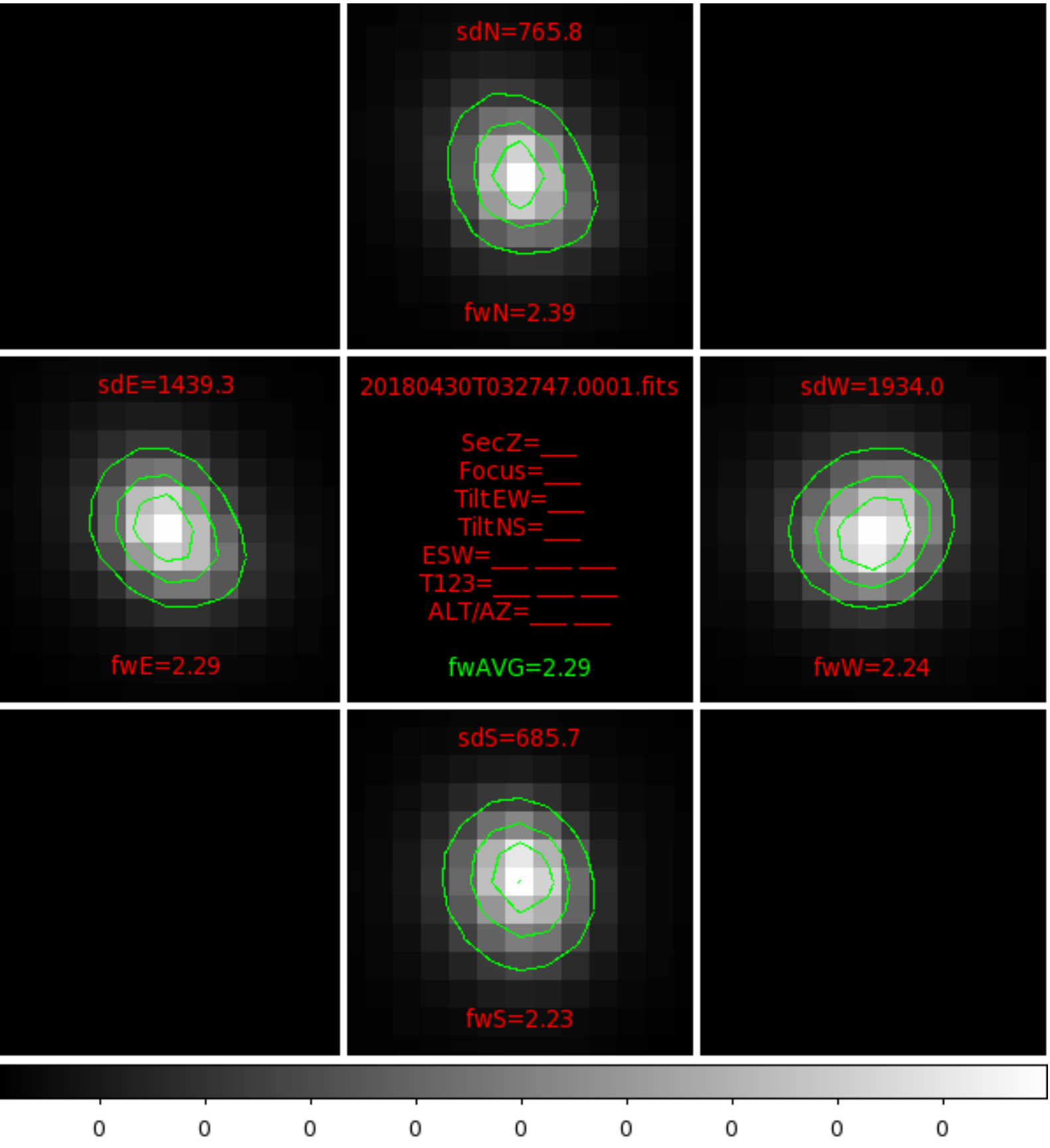
sdN=765.8
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sdE=1439.3
fwE=2.29
20180430T032747.0001.fits
SecZ=___
Focus=___
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TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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sdW=1934.0
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sdS=685.7
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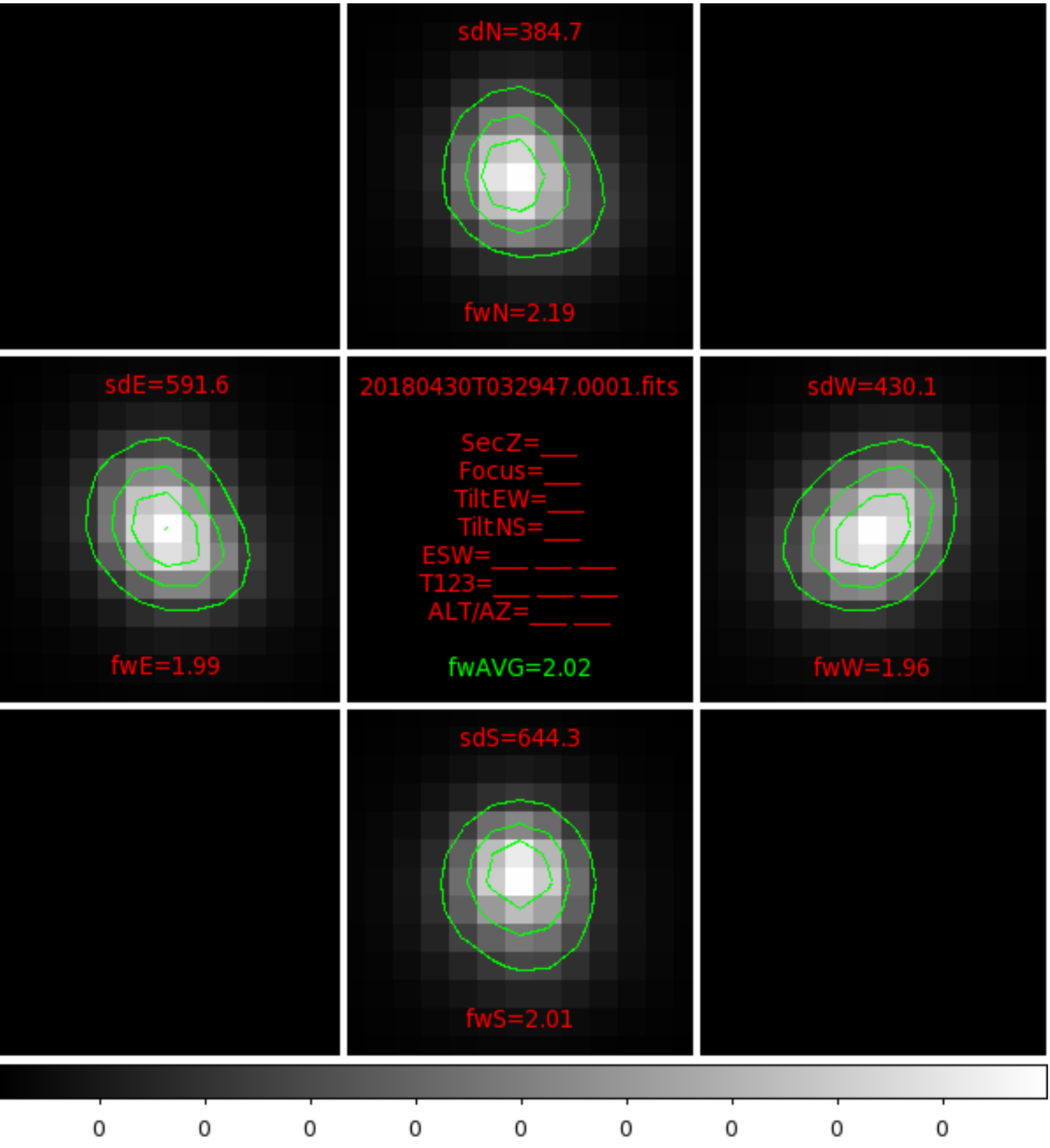
sdN=384.7
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sdE=591.6
fwE=1.99
20180430T032947.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.02
sdW=430.1
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sdS=644.3
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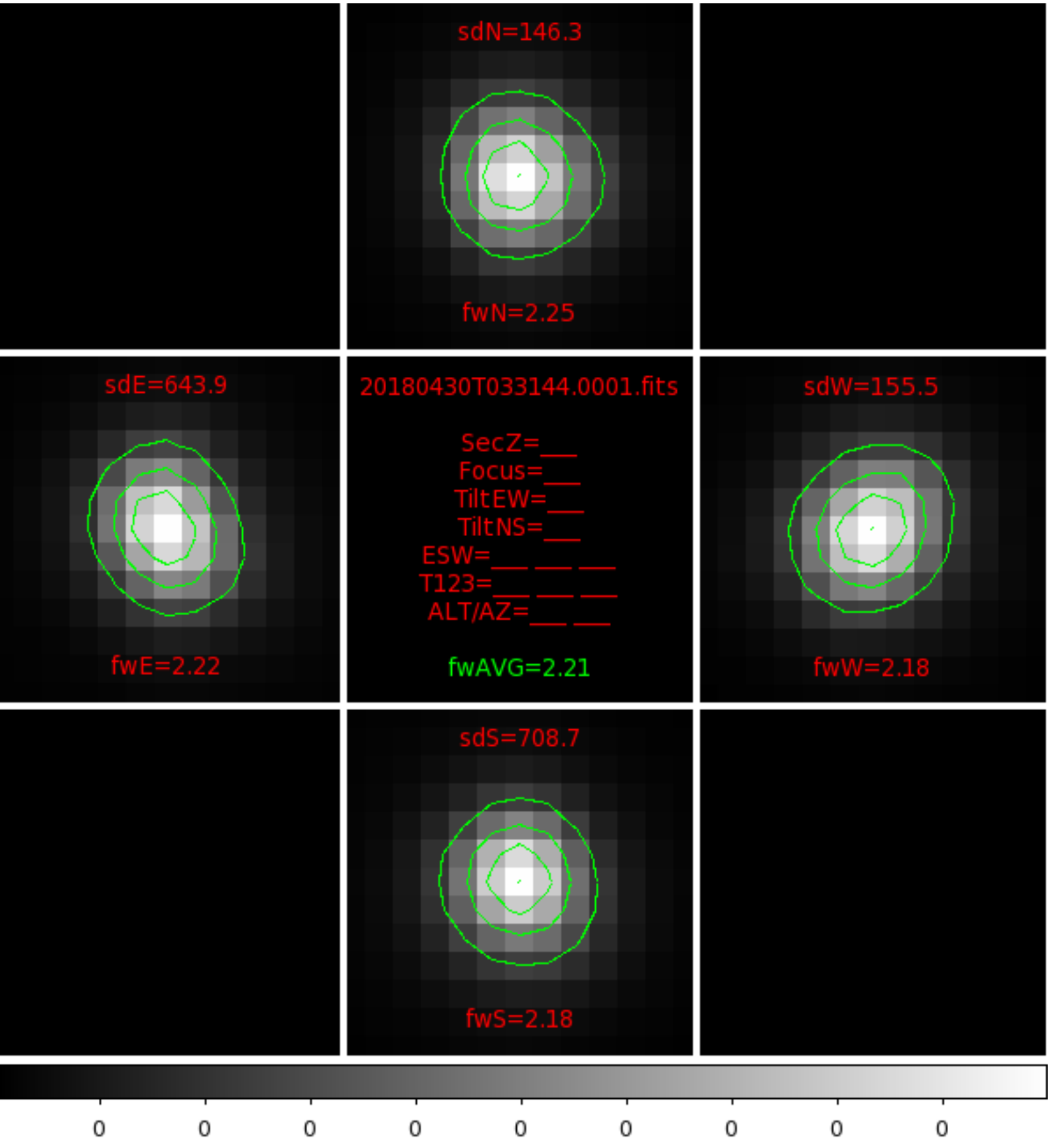
sdN=146.3
fwN=2.25
sdE=643.9
fwE=2.22
20180430T033144.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.21
sdW=155.5
fwW=2.18
sdS=708.7
fwS=2.18
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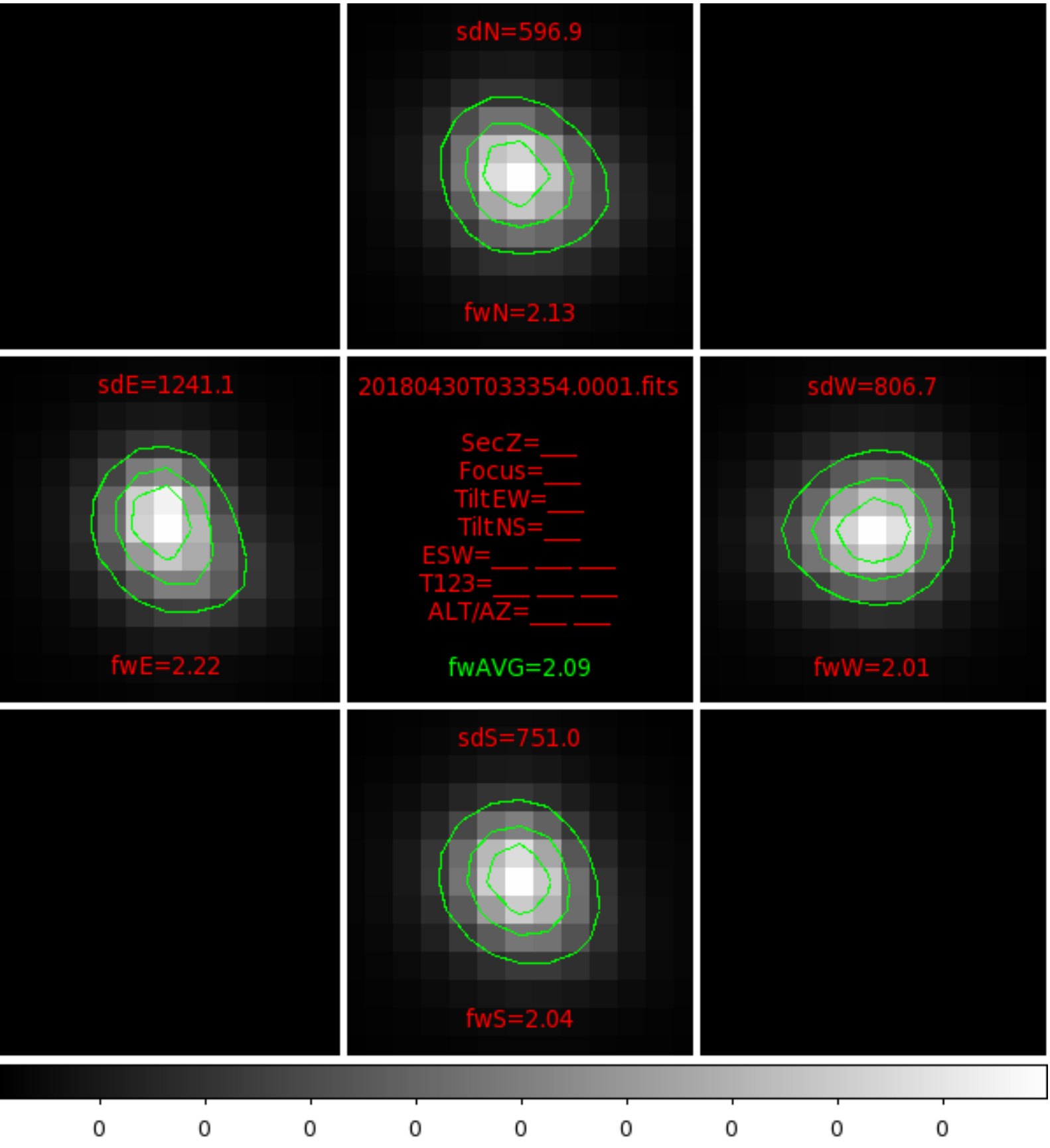
sdN=596.9
fwN=2.13
sdE=1241.1
fwE=2.22
20180430T033354.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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sdW=806.7
fwW=2.01
sdS=751.0
fwS=2.04
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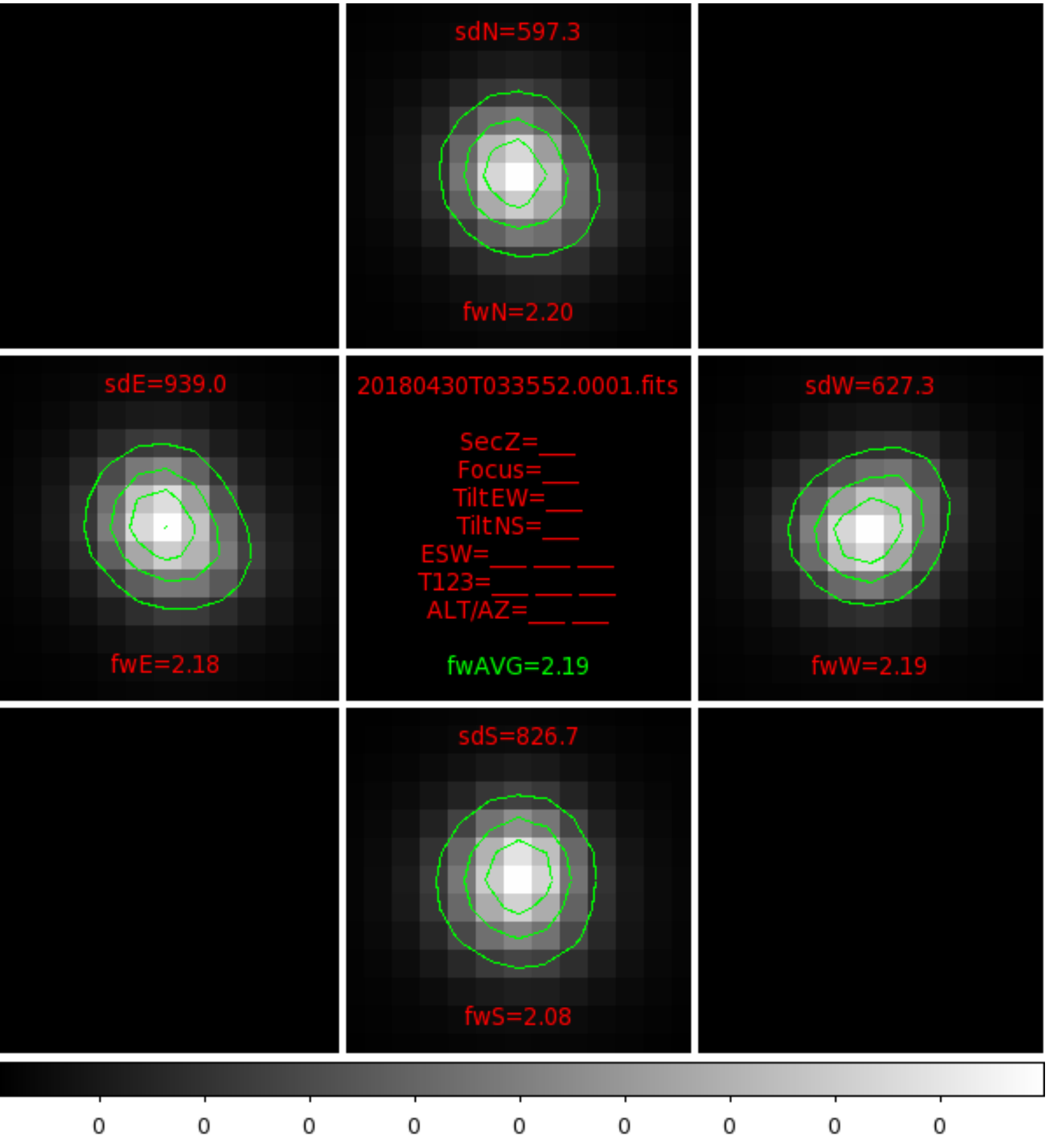
sdN=597.3
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sdE=939.0
fwE=2.18
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SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.19
sdW=627.3
fwW=2.19
sdS=826.7
fwS=2.08
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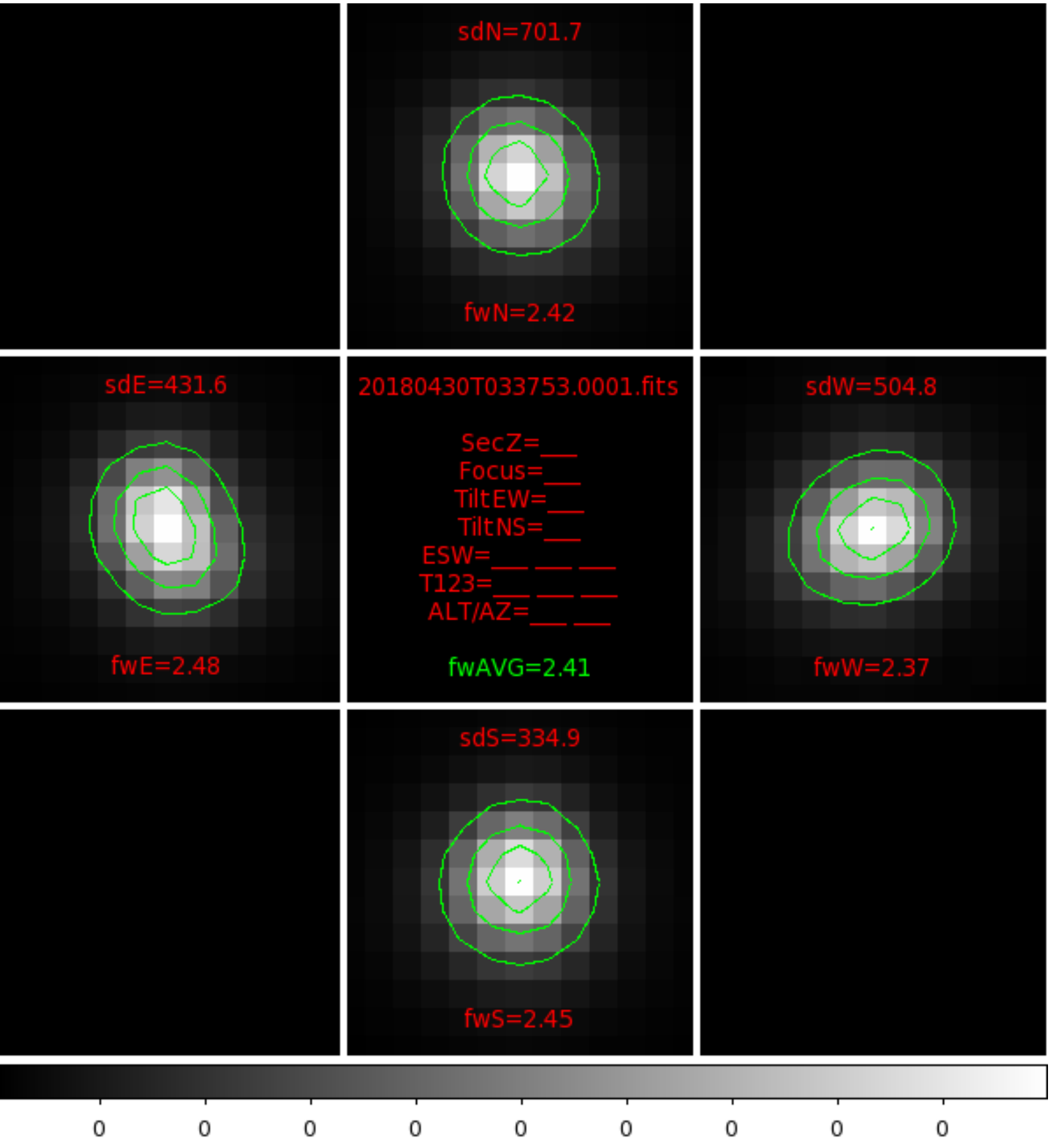
sdN=701.7
fwN=2.42
sdE=431.6
fwE=2.48
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SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.41
sdW=504.8
fwW=2.37
sdS=334.9
fwS=2.45
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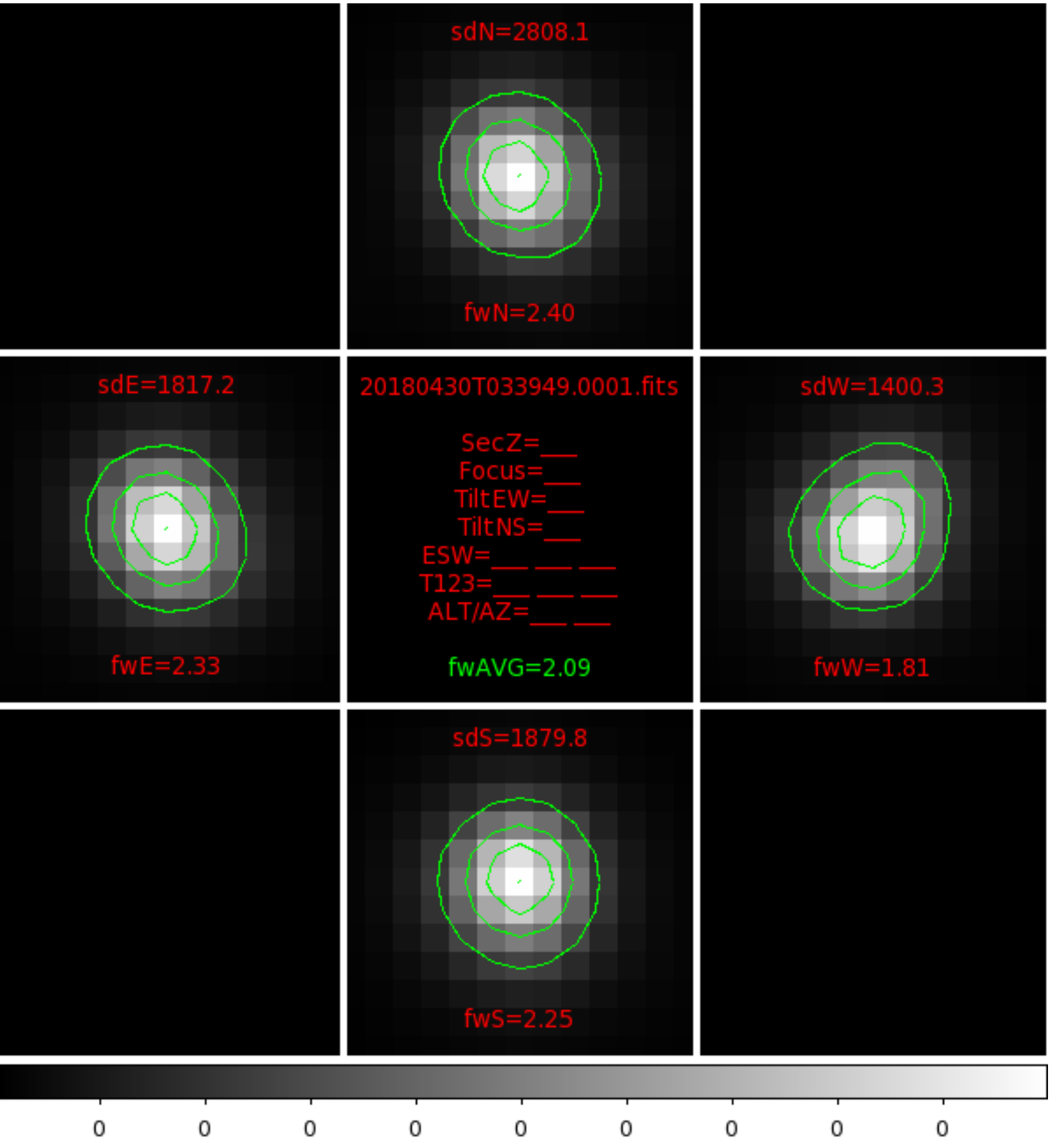
sdN=2808.1
fwN=2.40
sdE=1817.2
fwE=2.33
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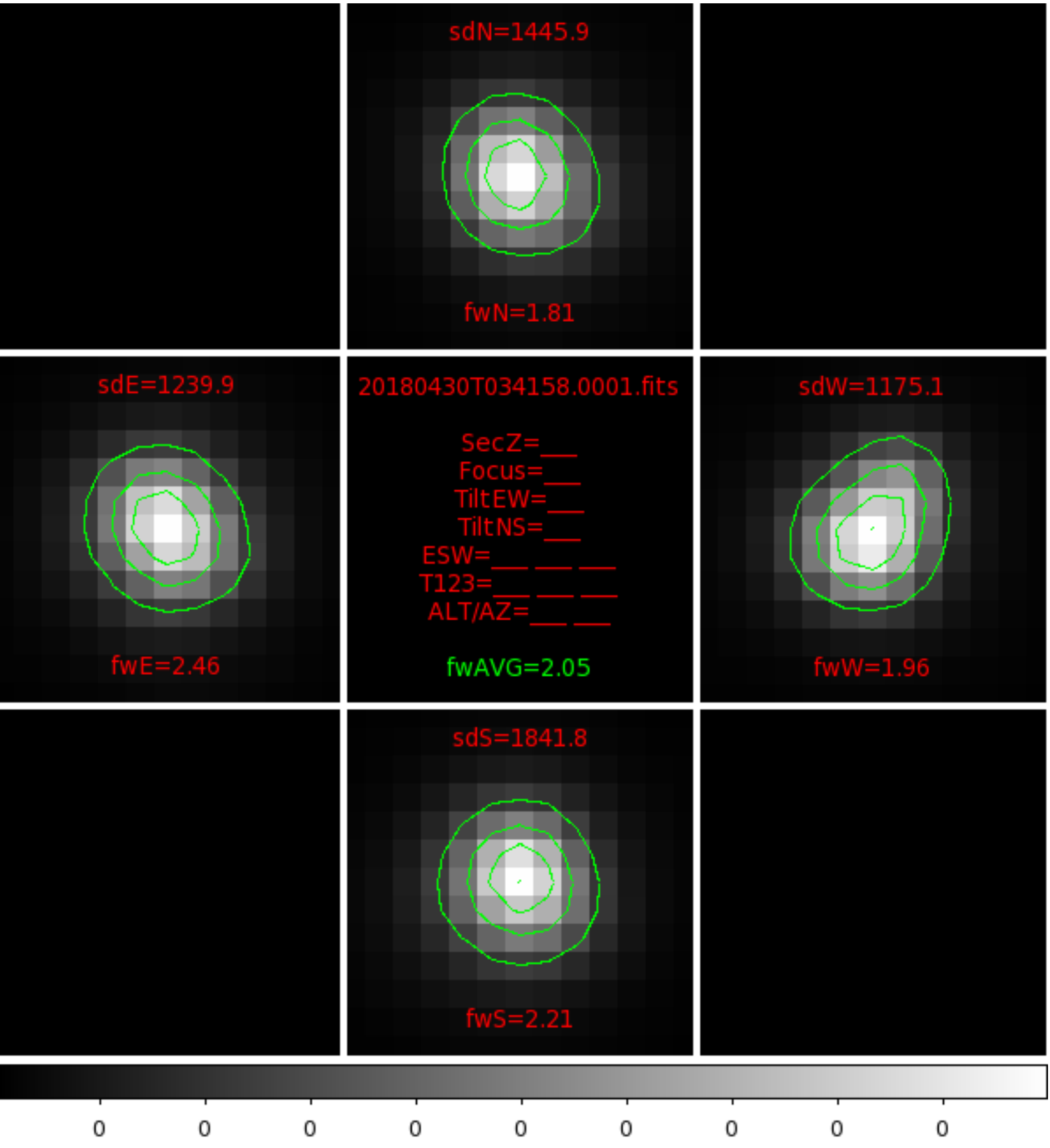
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.09
sdW=1400.3
fwW=1.81
sdS=1879.8
fwS=2.25
0 0 0 0 0 0 0 0 0


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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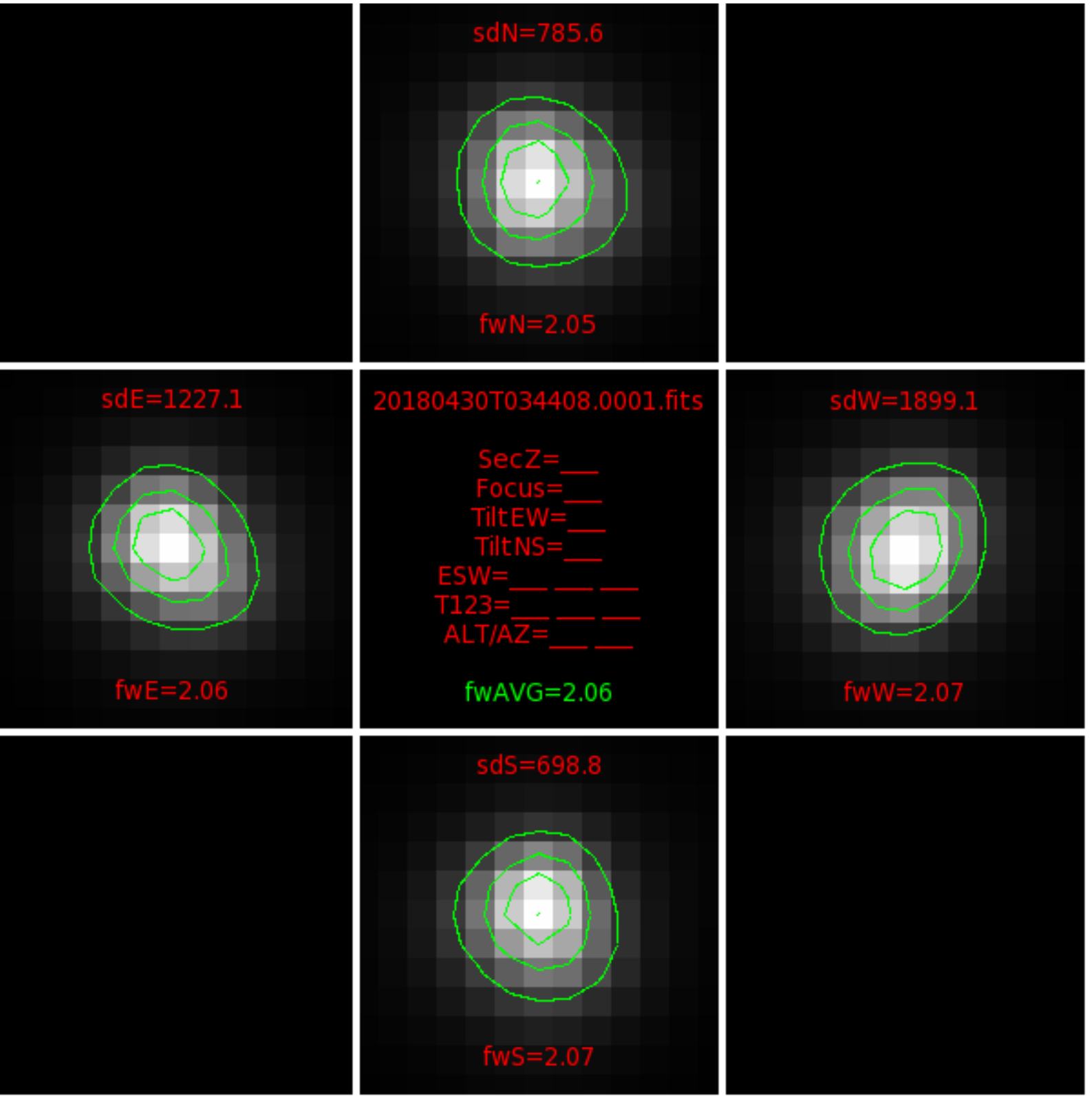
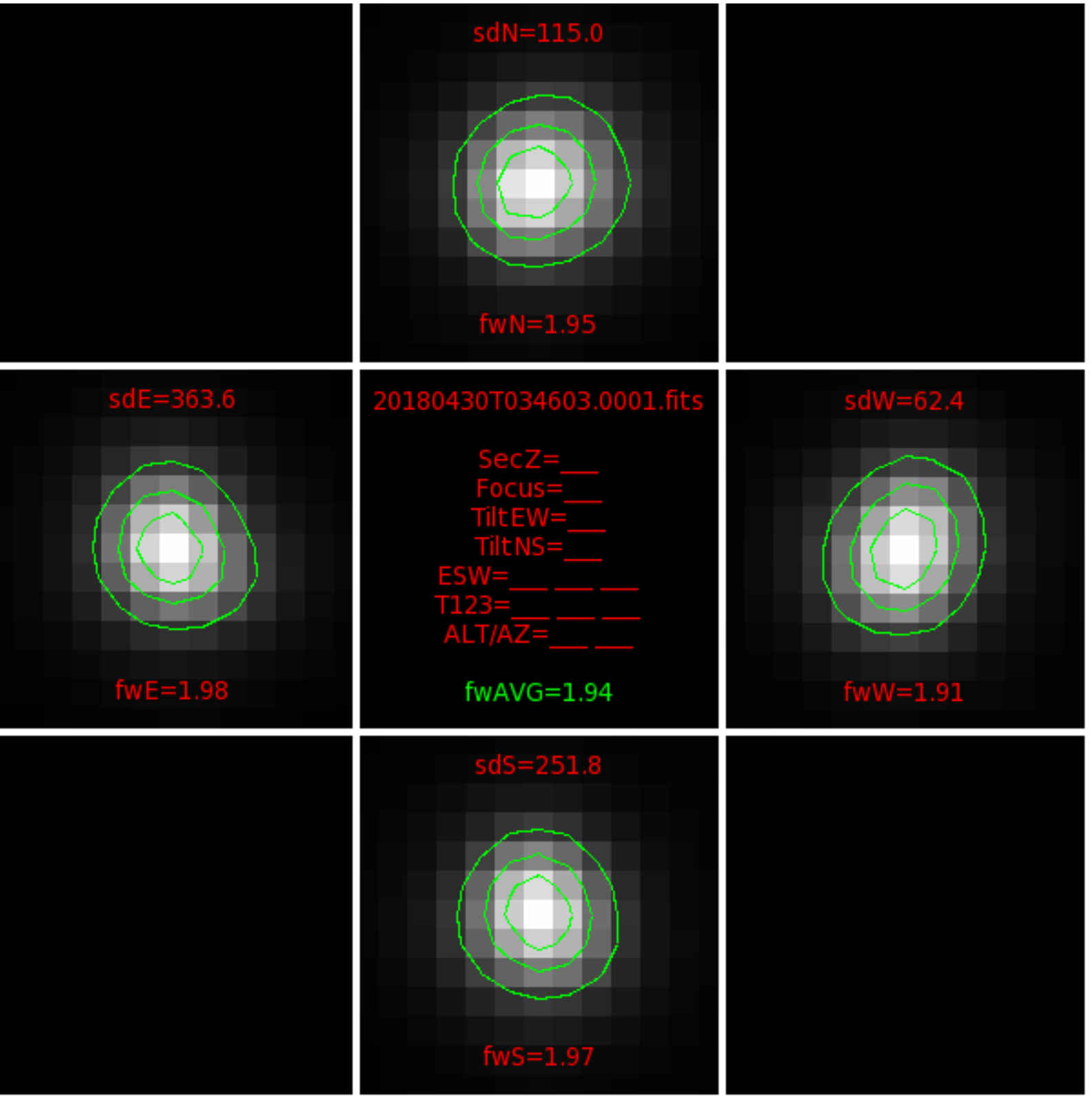

sdN=785.6
fwN=2.05
sdE=1227.1
fwE=2.06
20180430T034408.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.06
sdW=1899.1
fwW=2.07
sdS=698.8
fwS=2.07
0 0 0 0 0 0 0 0 0


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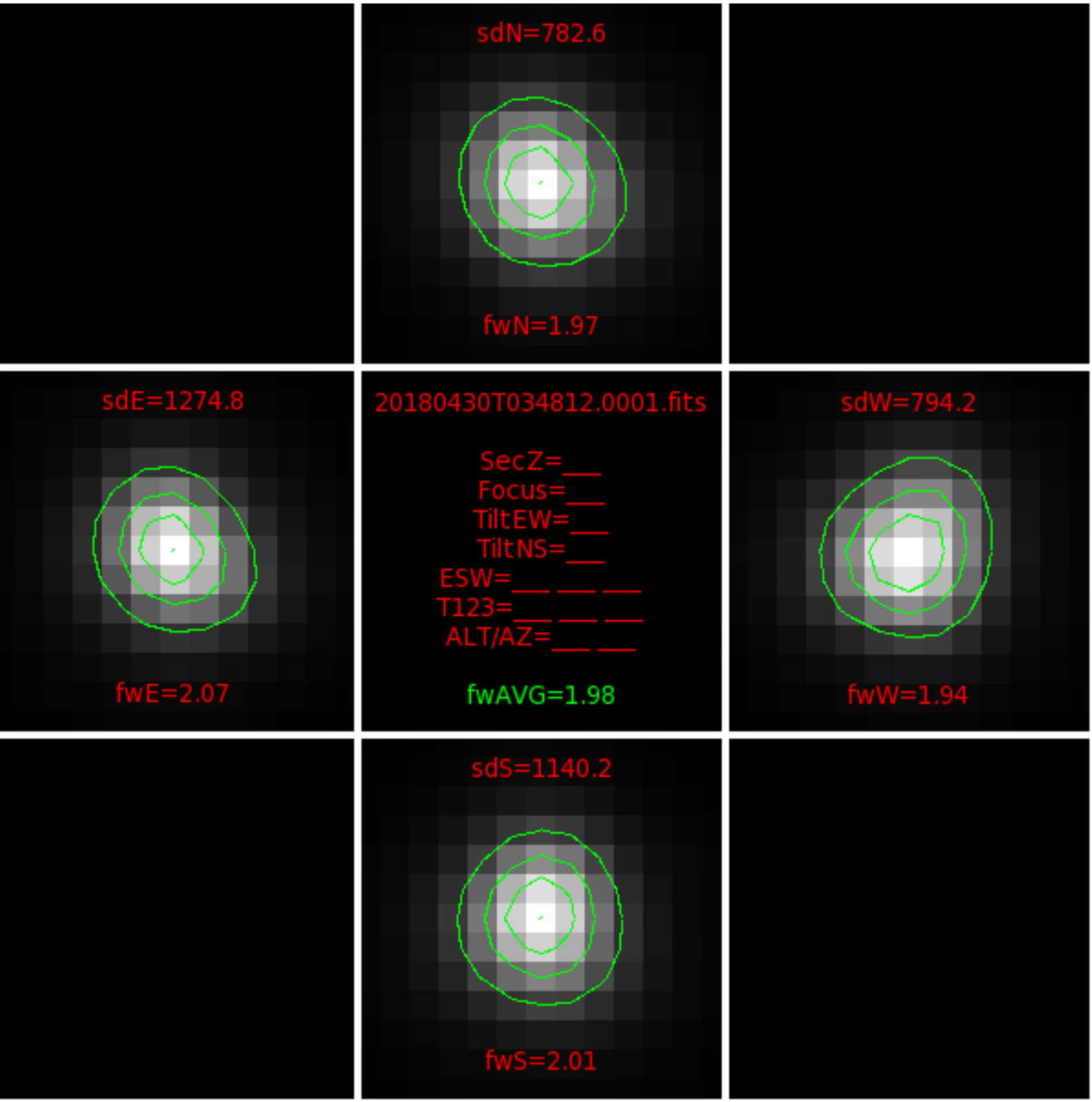
sdN=782.6
fwN=1.97
sdE=1274.8
fwE=2.07
20180430T034812.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.98
sdW=794.2
fwW=1.94
sdS=1140.2
fwS=2.01
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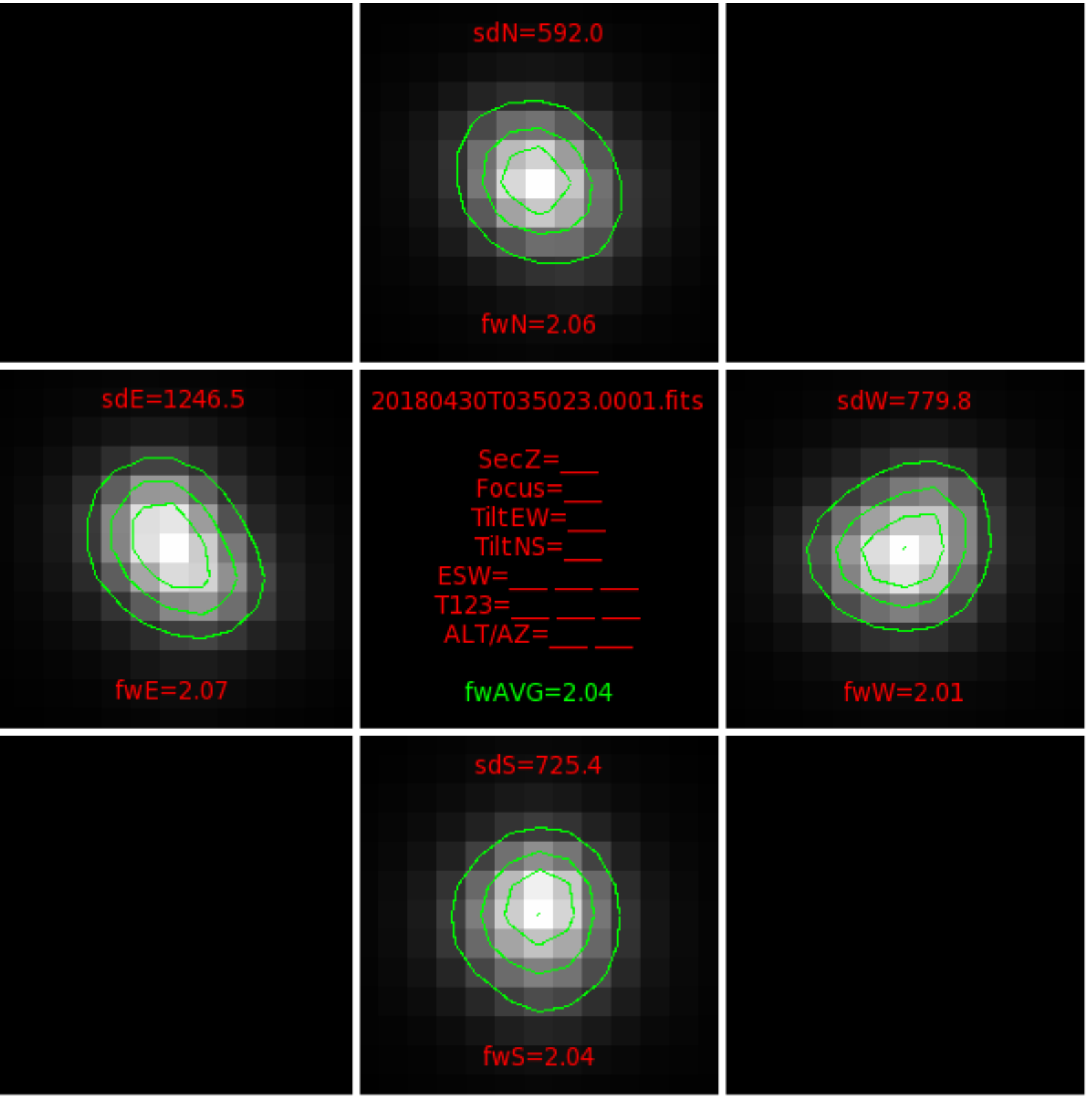
sdN=592.0
fwN=2.06
sdE=1246.5
fwE=2.07
20180430T035023.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.04
sdW=779.8
fwW=2.01
sdS=725.4
fwS=2.04
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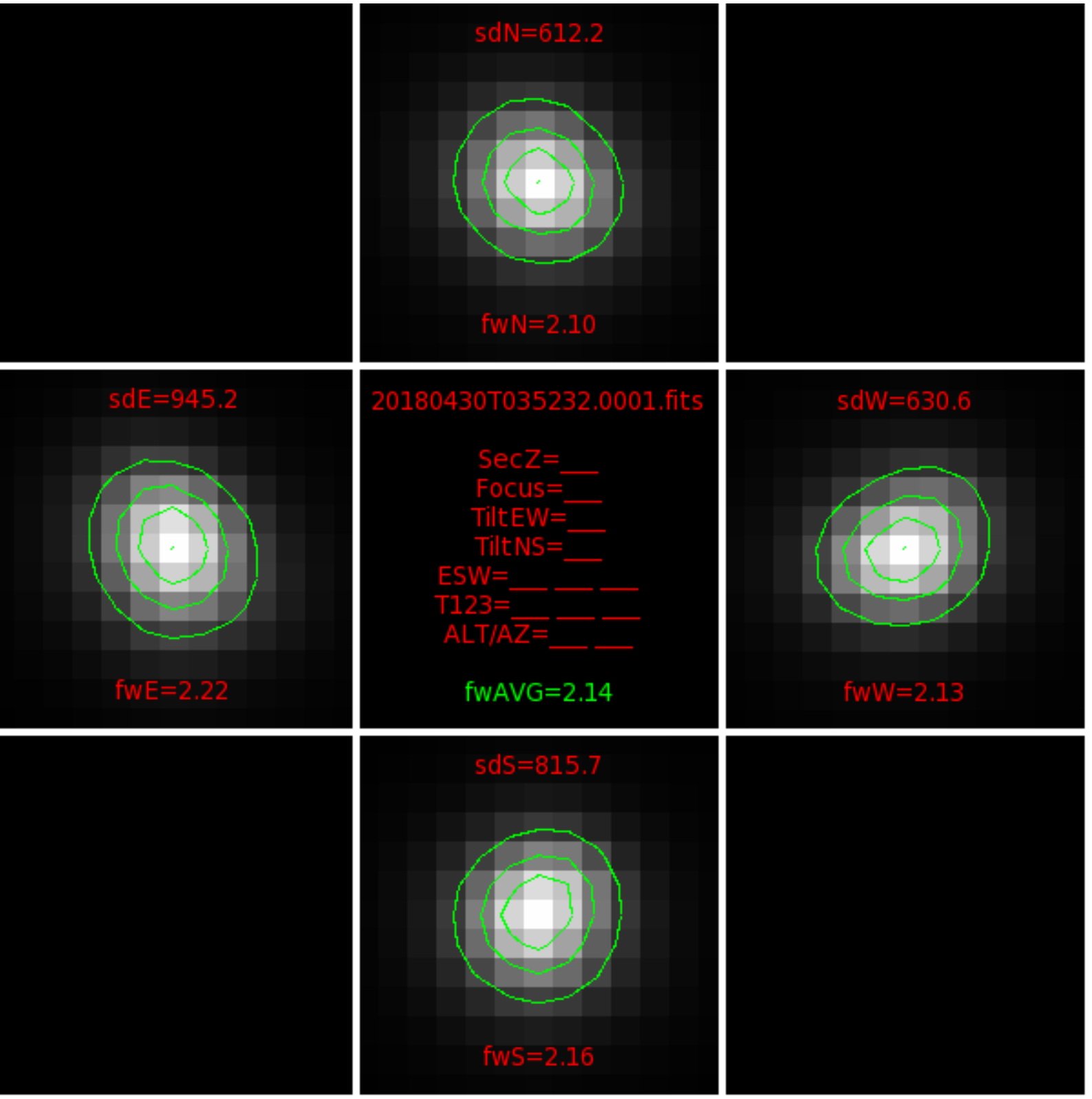
sdN=612.2
fwN=2.10
sdE=945.2
fwE=2.22
20180430T035232.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.14
sdW=630.6
fwW=2.13
sdS=815.7
fwS=2.16
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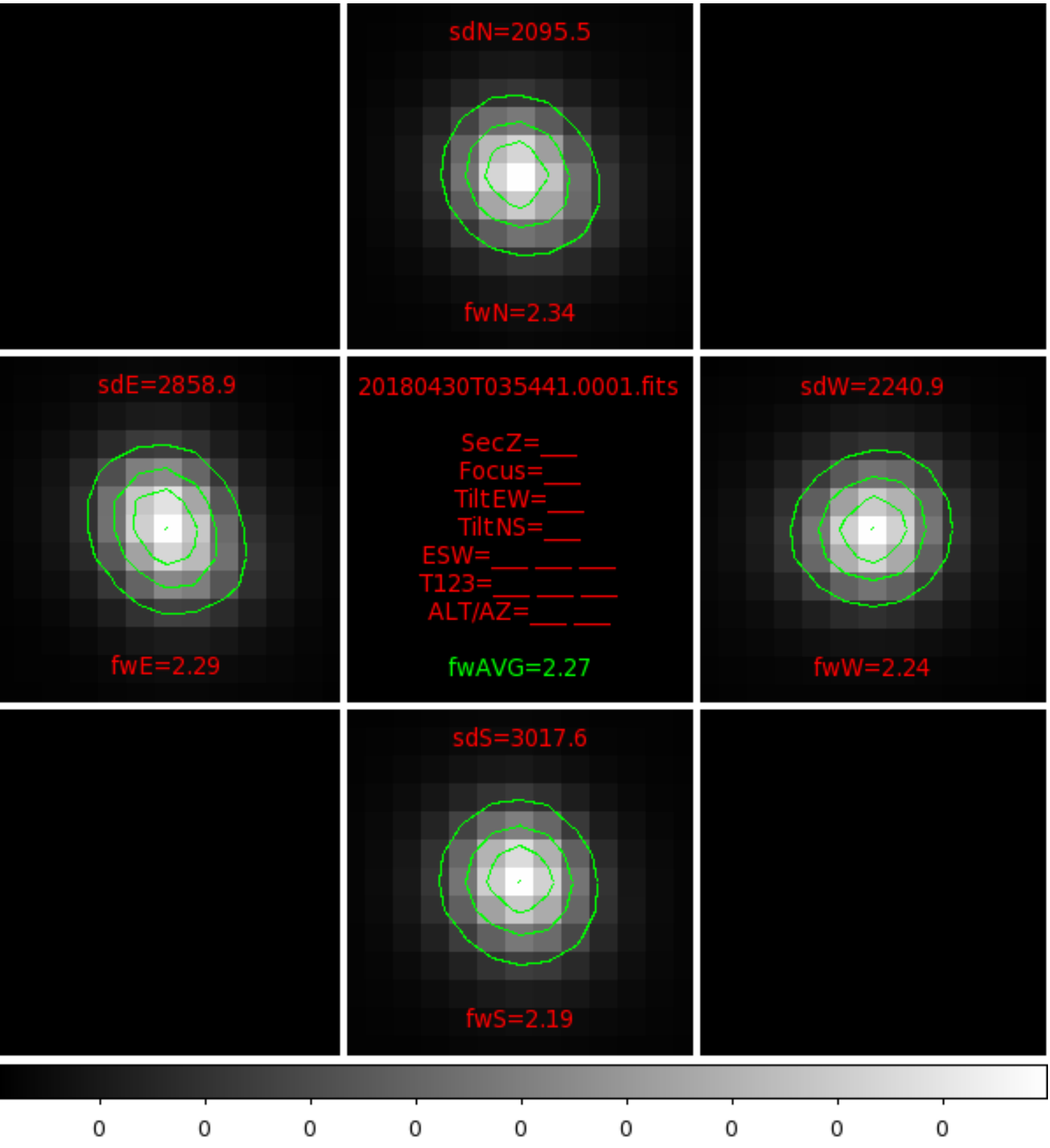
sdN=2095.5
fwN=2.34
sdE=2858.9
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SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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sdW=2240.9
fwW=2.24
sdS=3017.6
fwS=2.19
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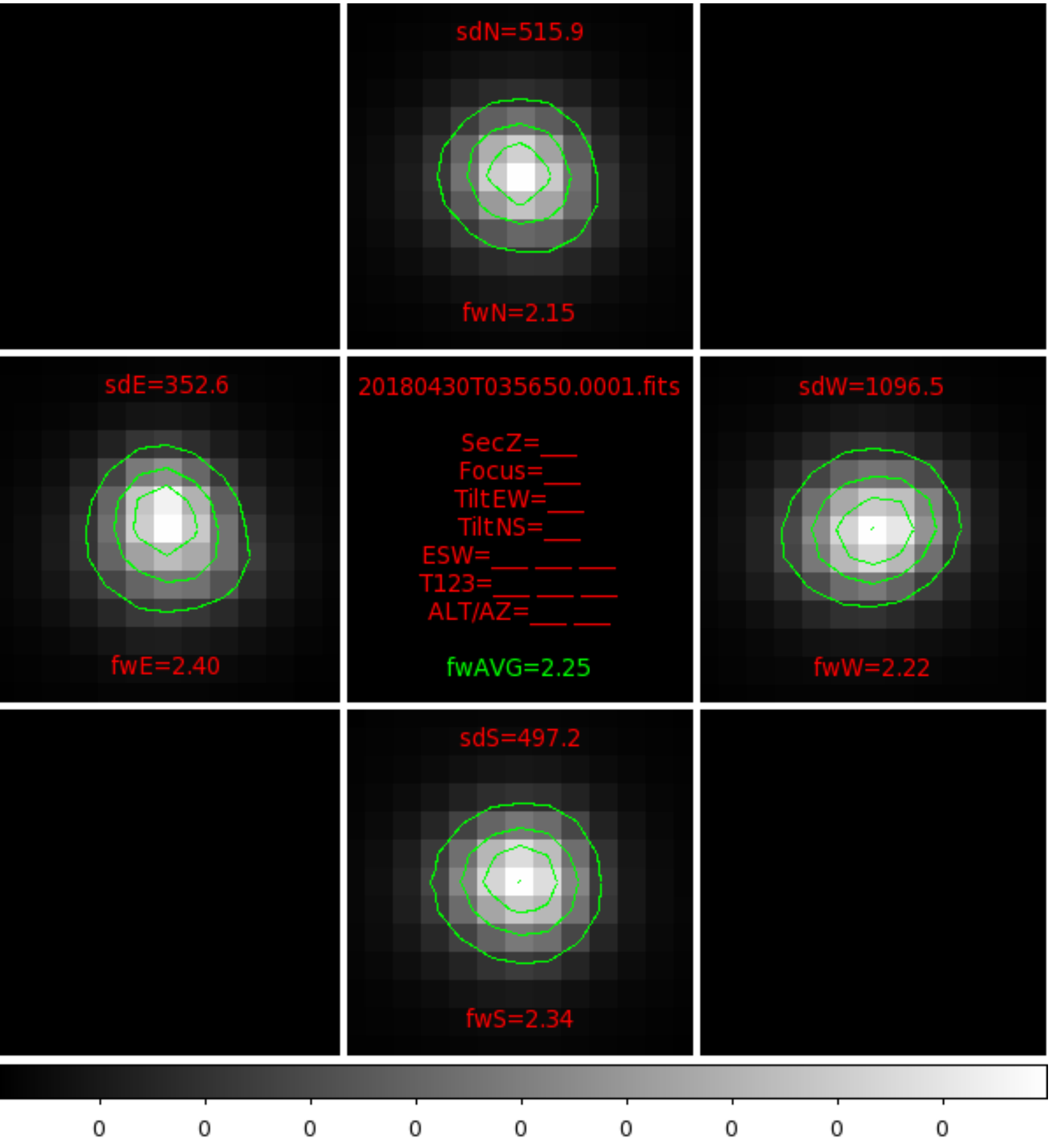
sdN=515.9
fwN=2.15
sdE=352.6
fwE=2.40
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SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.25
sdW=1096.5
fwW=2.22
sdS=497.2
fwS=2.34
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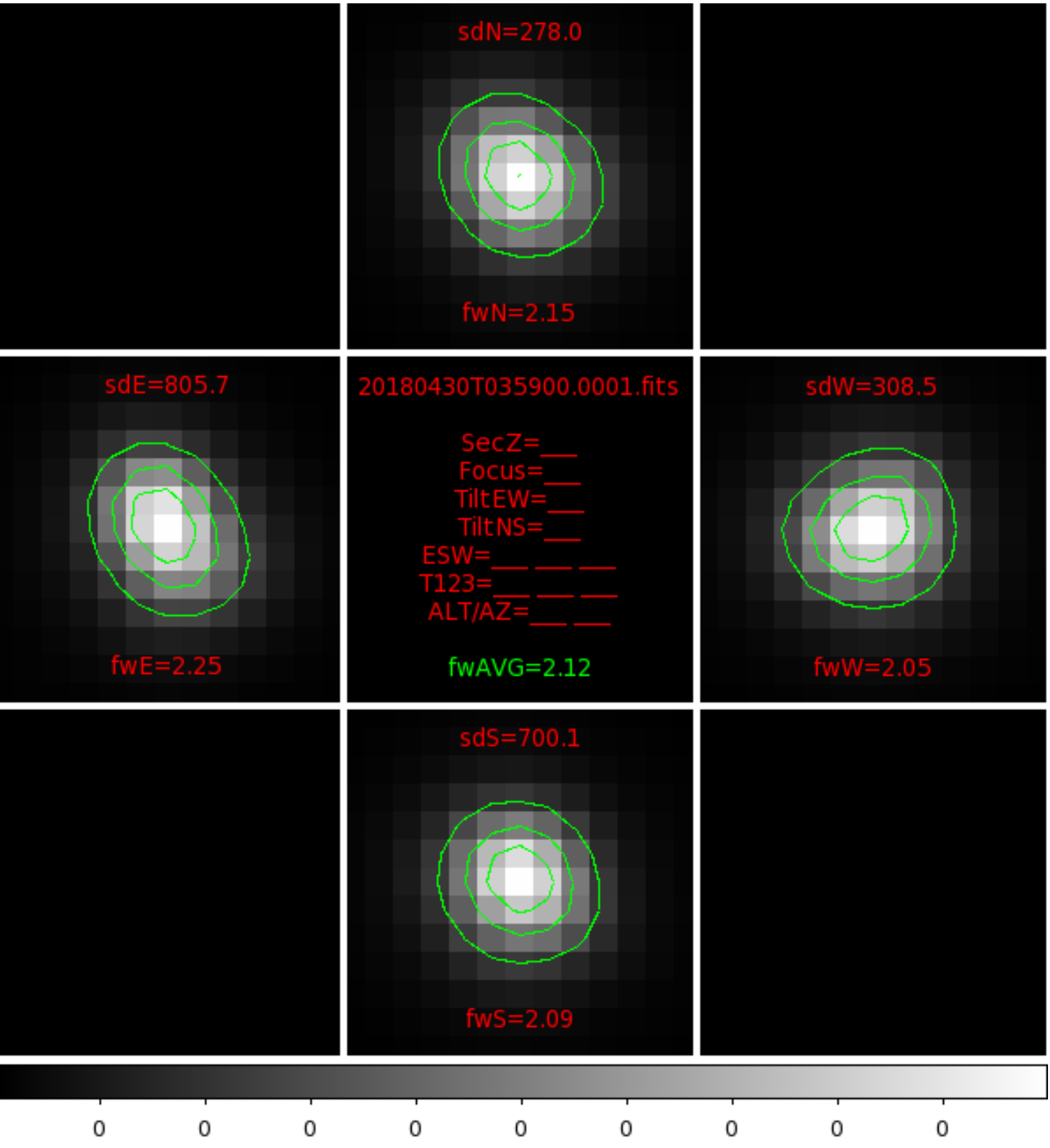
sdN=278.0
fwN=2.15
sdE=805.7
fwE=2.25
20180430T035900.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.12
sdW=308.5
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sdS=700.1
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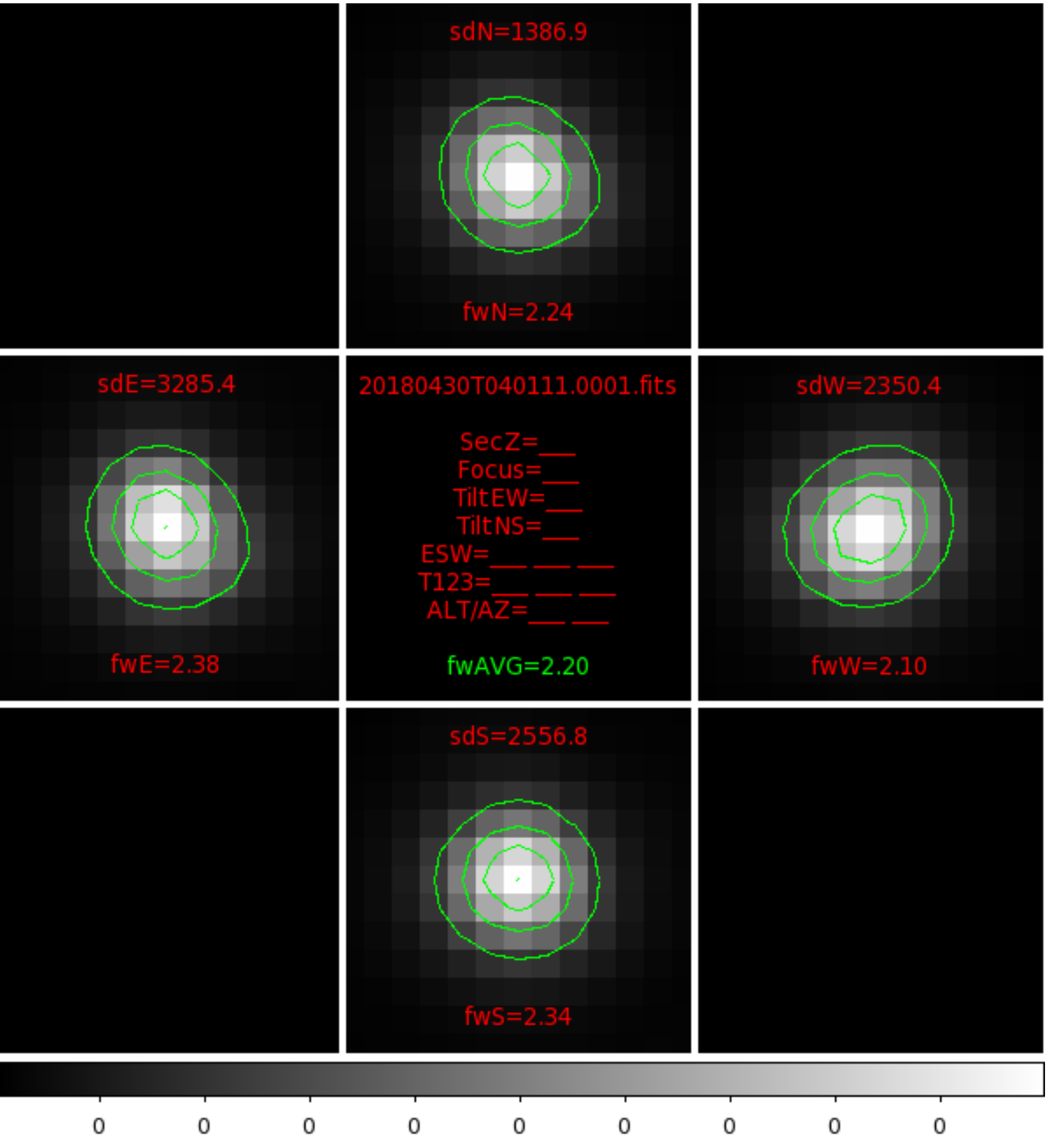
sdN=1386.9
fwN=2.24
sdE=3285.4
fwE=2.38
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SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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sdW=2350.4
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sdS=2556.8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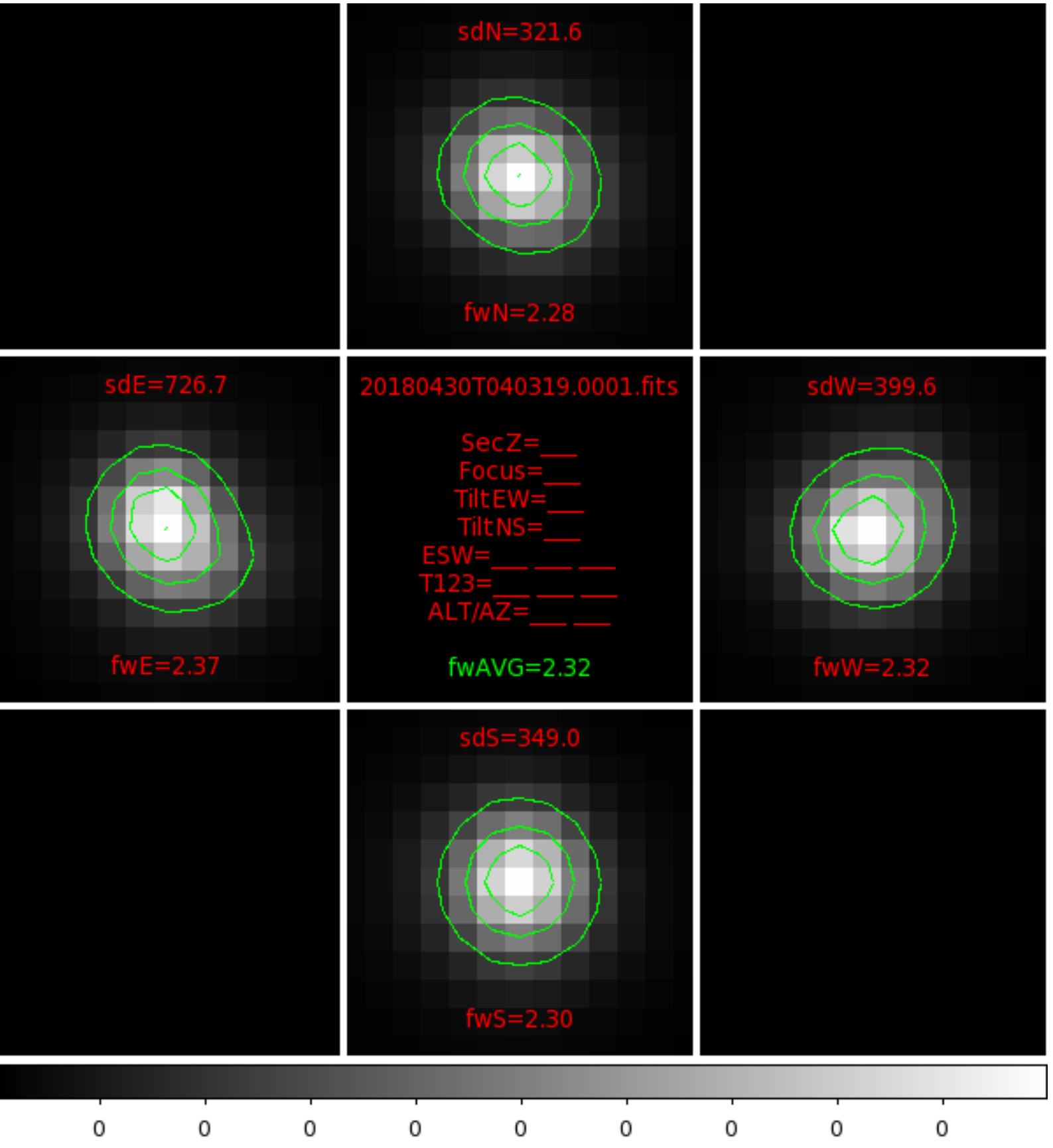
sdN=321.6
fwN=2.28
sdE=726.7
fwE=2.37
20180430T040319.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.32
sdW=399.6
fwW=2.32
sdS=349.0
fwS=2.30
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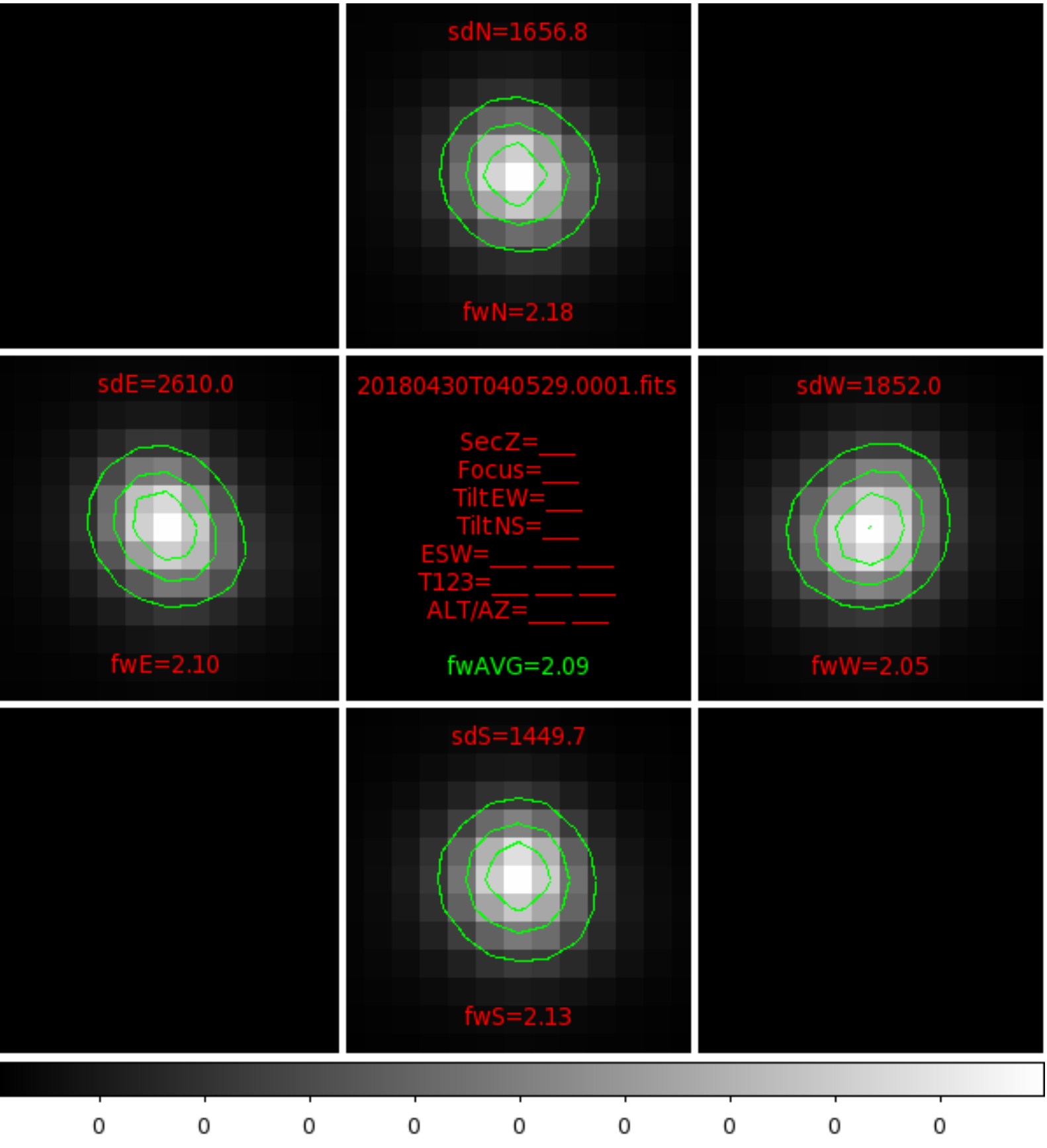
sdN=1656.8
fwN=2.18
sdE=2610.0
fwE=2.10
20180430T040529.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.09
sdW=1852.0
fwW=2.05
sdS=1449.7
fwS=2.13
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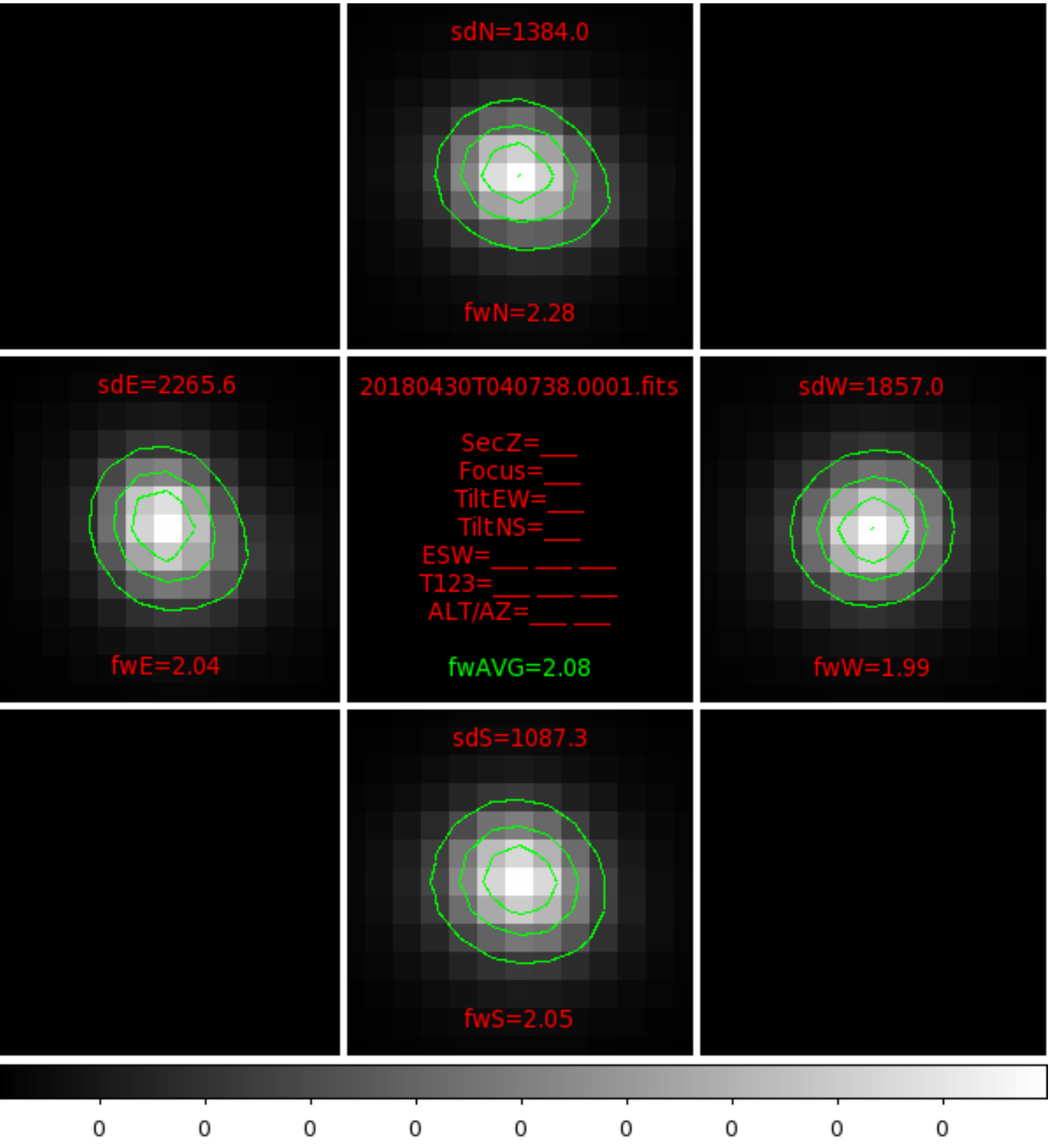
sdN=1384.0
fwN=2.28
sdE=2265.6
fwE=2.04
20180430T040738.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.08
sdW=1857.0
fwW=1.99
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fwS=2.05
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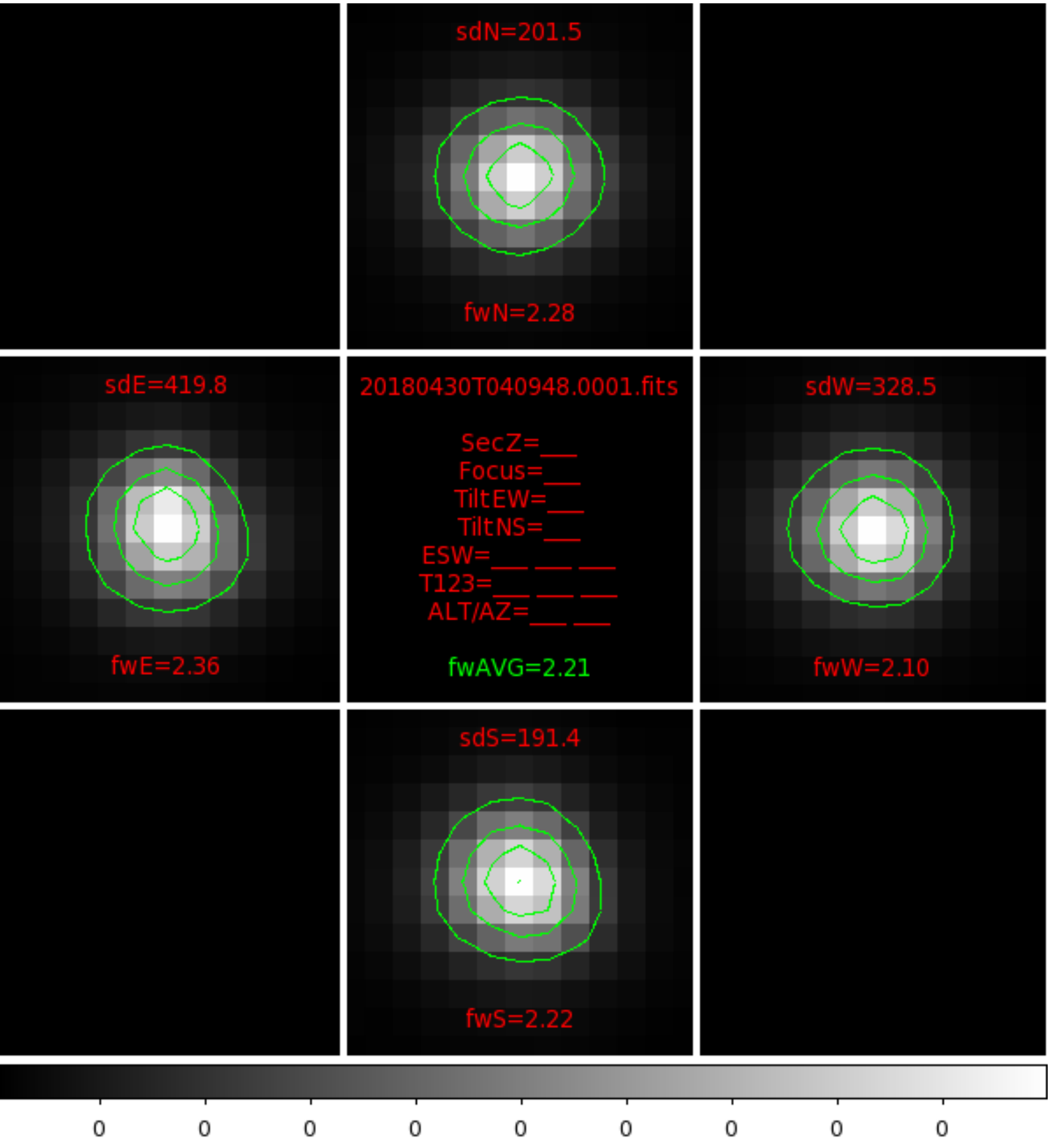
sdN=201.5
fwN=2.28
sdE=419.8
fwE=2.36
20180430T040948.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.21
sdW=328.5
fwW=2.10
sdS=191.4
fwS=2.22
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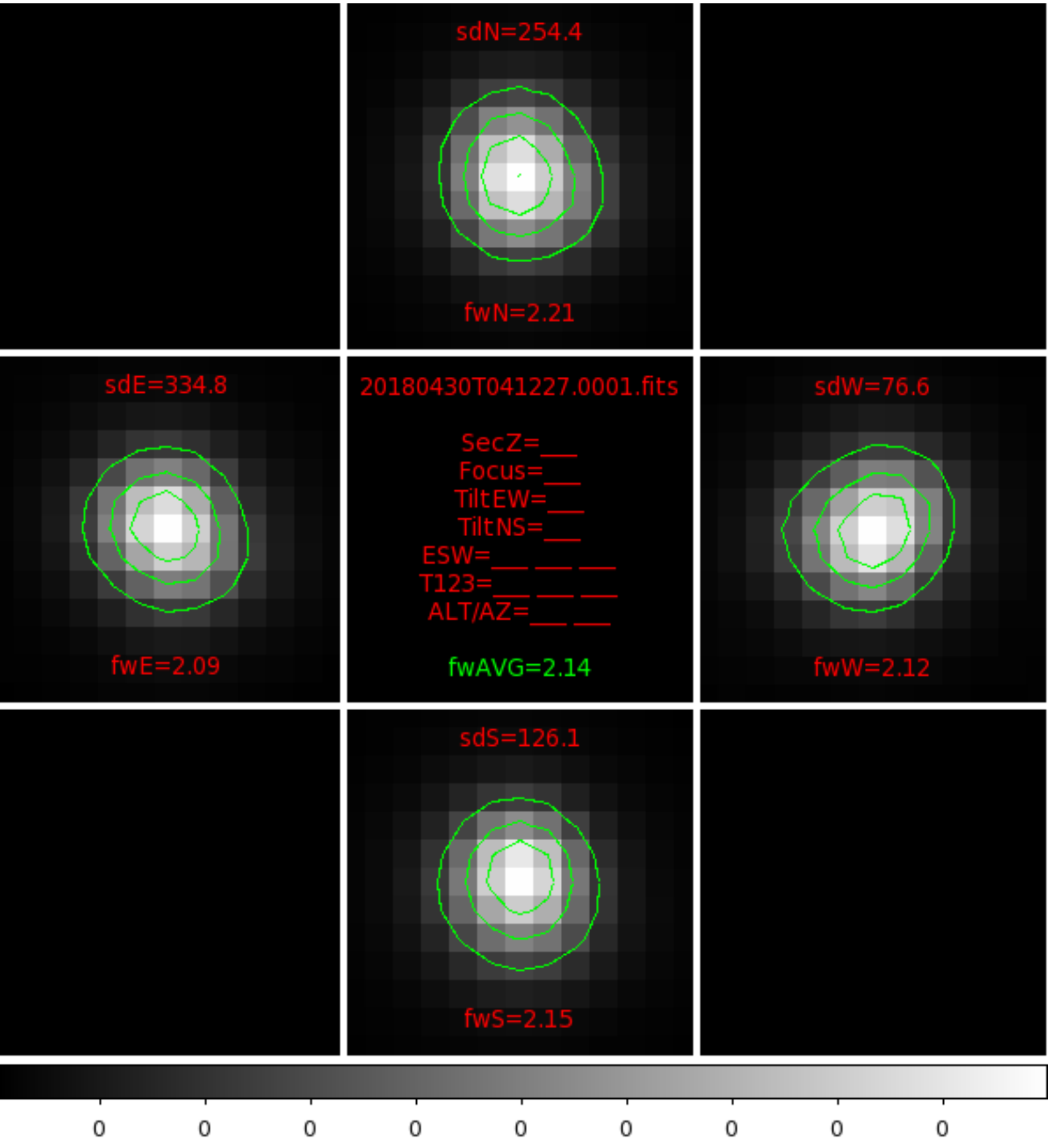
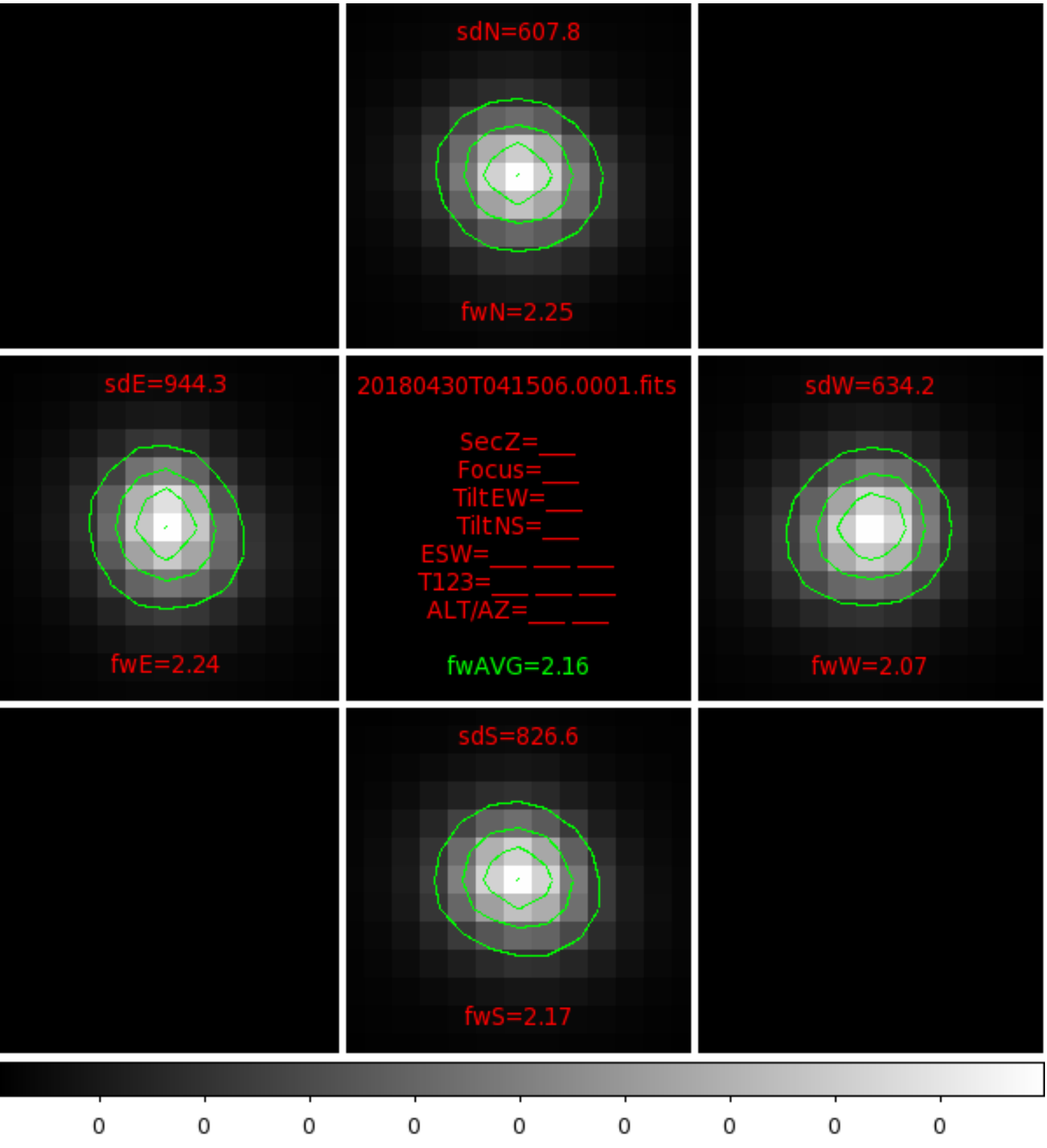

sdN=254.4
fwN=2.21
sdE=334.8
fwE=2.09
20180430T041227.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.14
sdW=76.6
fwW=2.12
sdS=126.1
fwS=2.15
0 0 0 0 0 0 0 0 0


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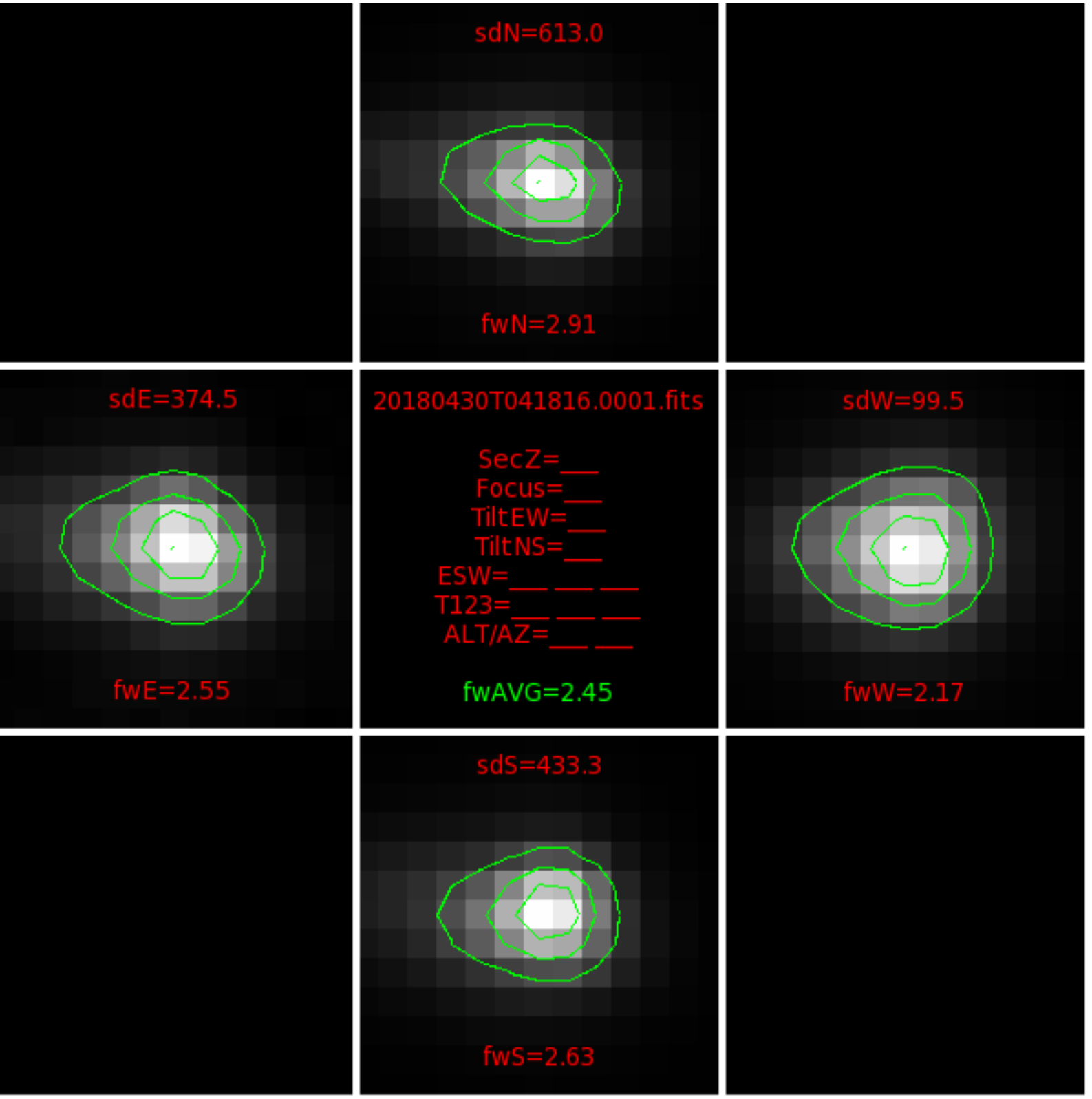
sdN=613.0
fwN=2.91
sdE=374.5
fwE=2.55
20180430T041816.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.45
sdW=99.5
fwW=2.17
sdS=433.3
fwS=2.63
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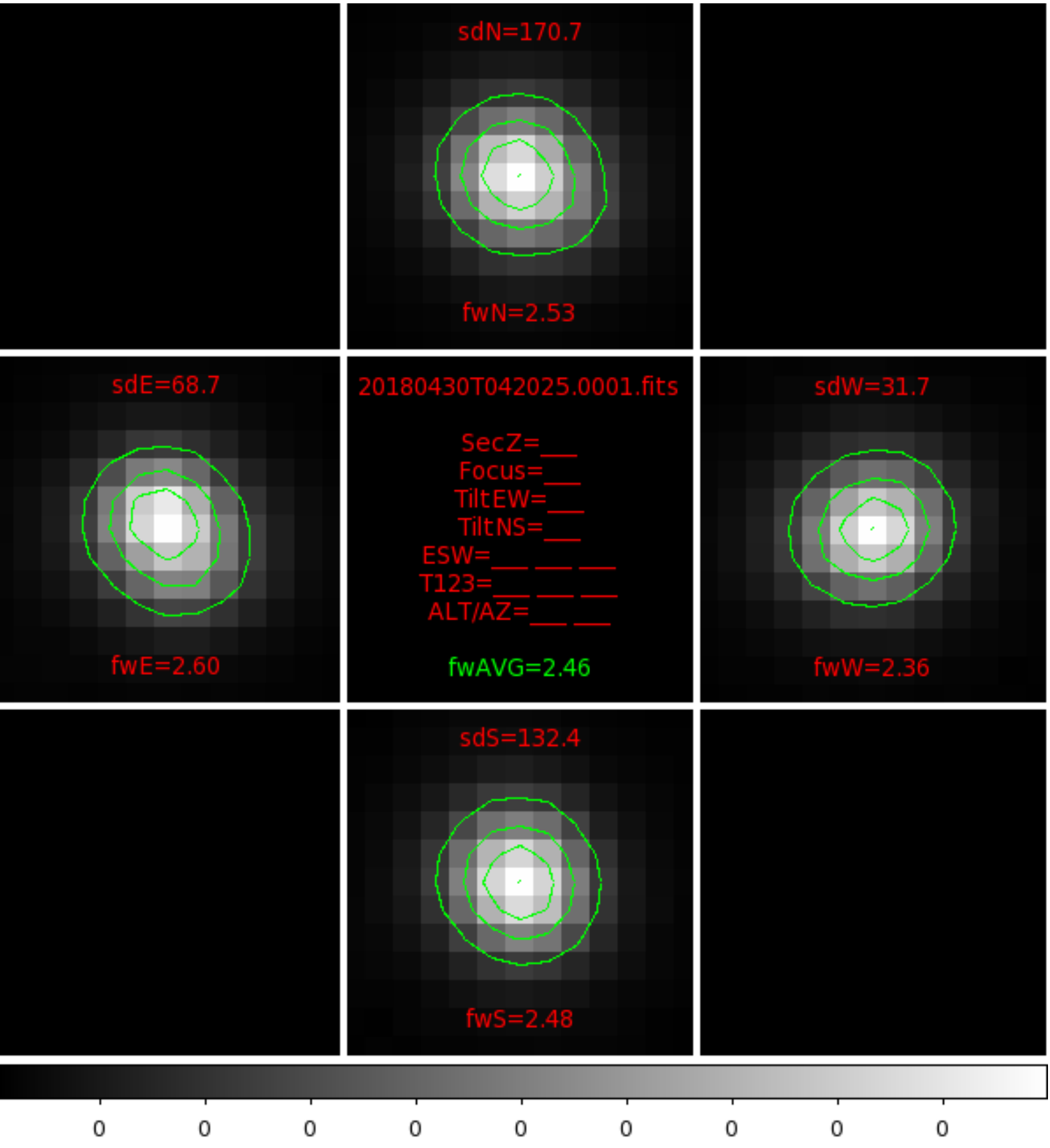
sdN=170.7
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sdE=68.7
fwE=2.60
20180430T042025.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.46
sdW=31.7
fwW=2.36
sdS=132.4
fwS=2.48
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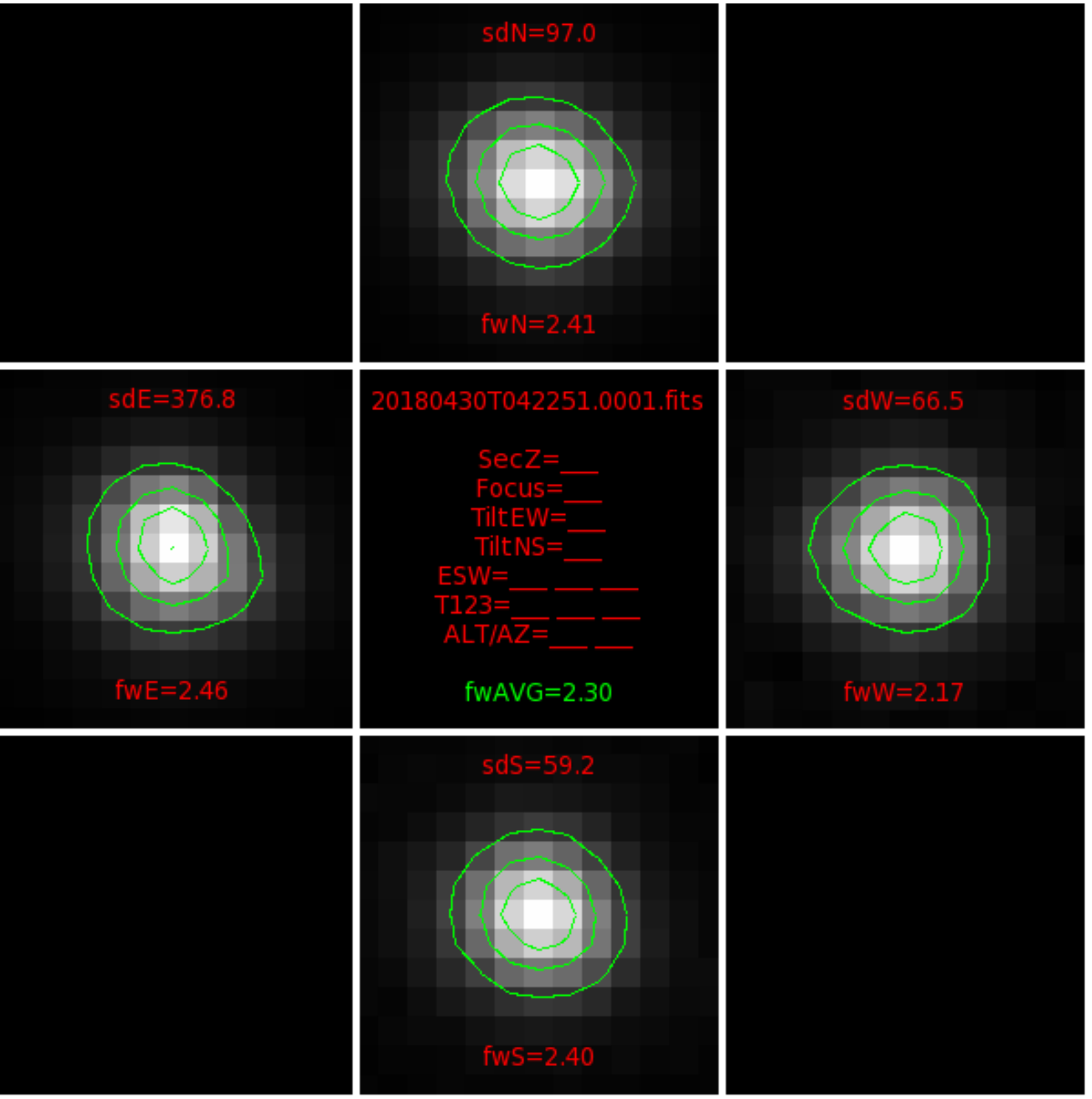
sdN=97.0
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sdE=376.8
fwE=2.46
20180430T042251.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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sdW=66.5
fwW=2.17
sdS=59.2
fwS=2.40
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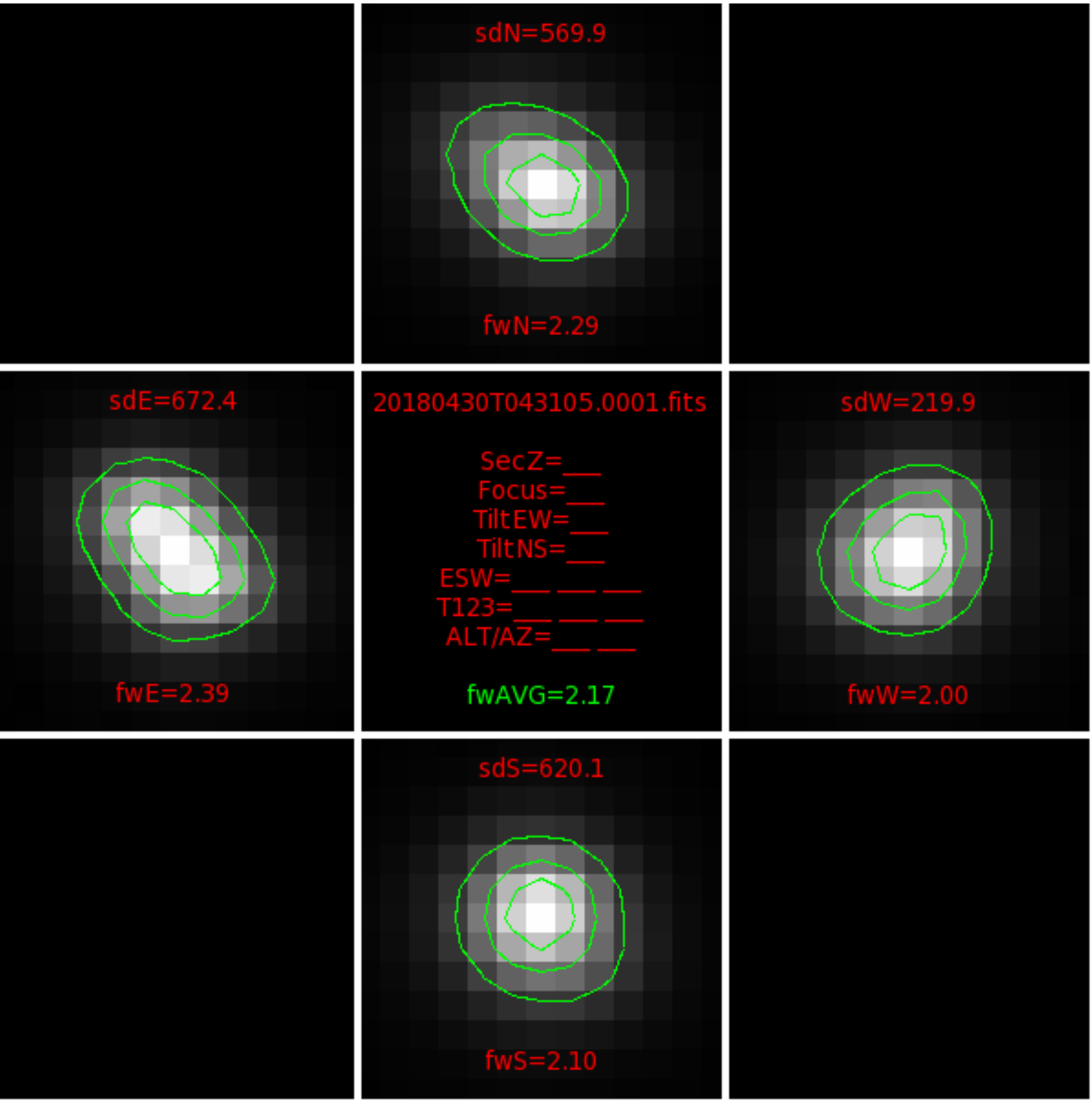
sdN=569.9
fwN=2.29
sdE=672.4
fwE=2.39
20180430T043105.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.17
sdW=219.9
fwW=2.00
sdS=620.1
fwS=2.10
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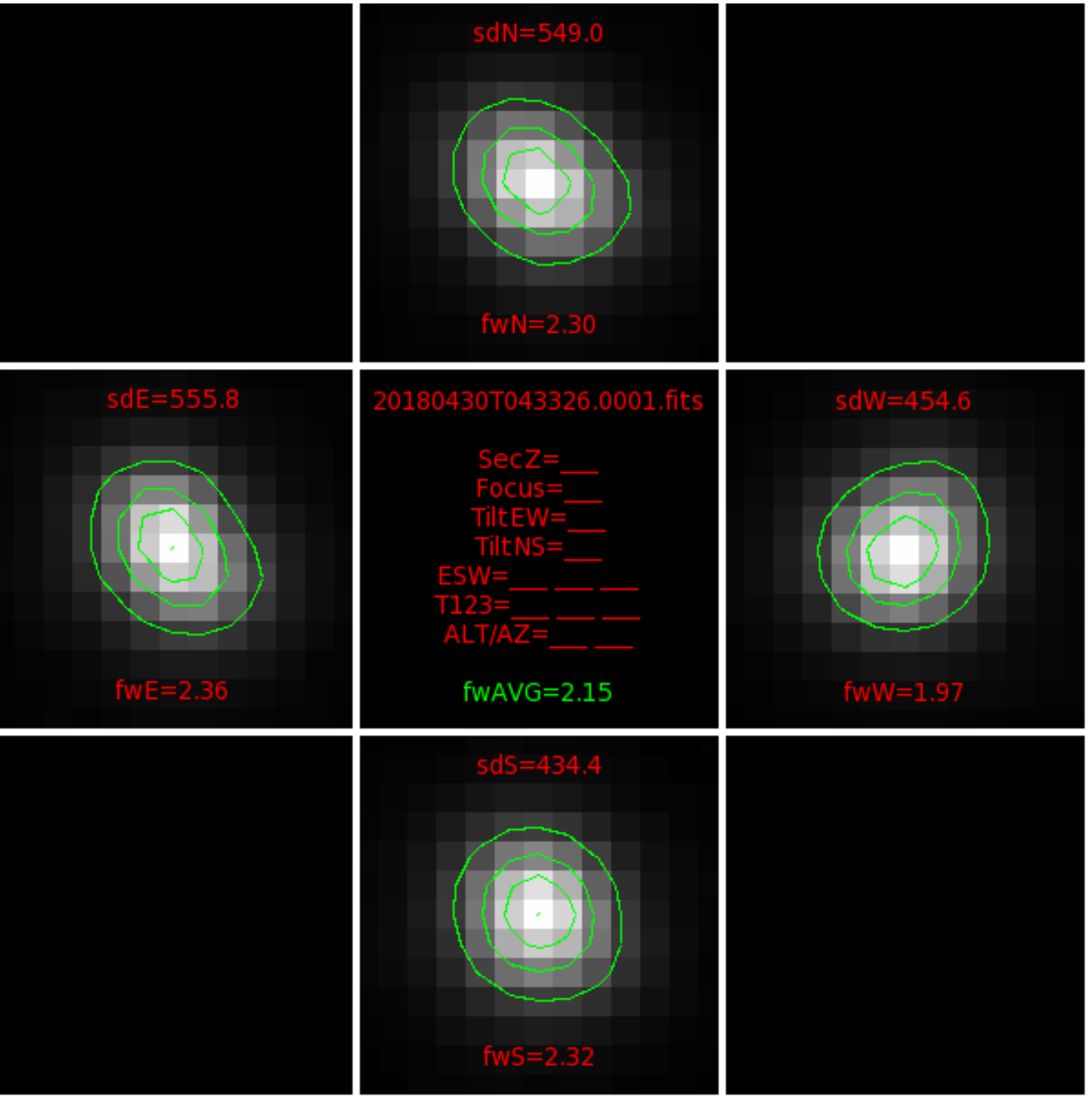
sdN=549.0
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sdE=555.8
fwE=2.36
20180430T043326.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.15
sdW=454.6
fwW=1.97
sdS=434.4
fwS=2.32
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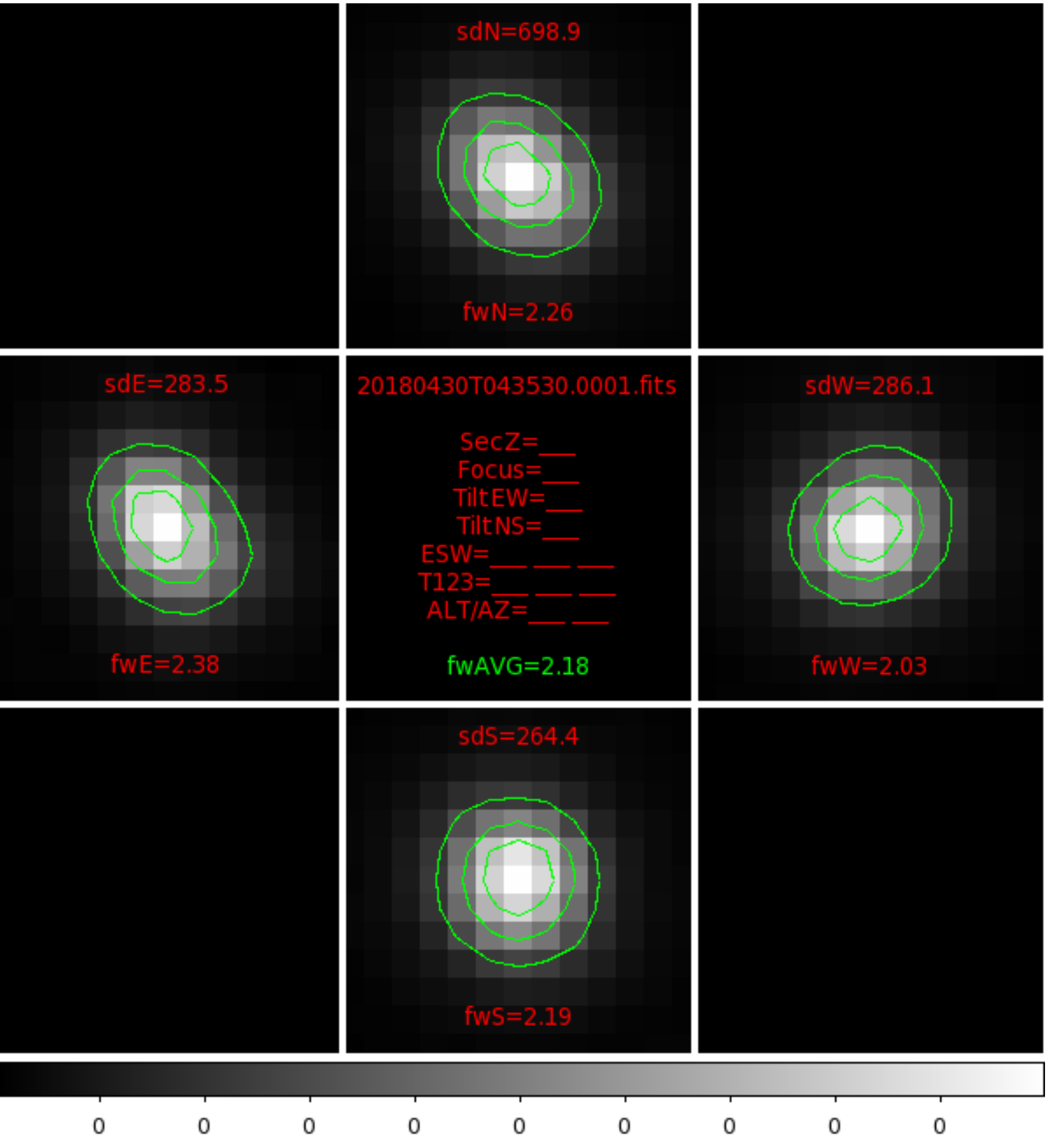
sdN=698.9
fwN=2.26
sdE=283.5
fwE=2.38
20180430T043530.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.18
sdW=286.1
fwW=2.03
sdS=264.4
fwS=2.19
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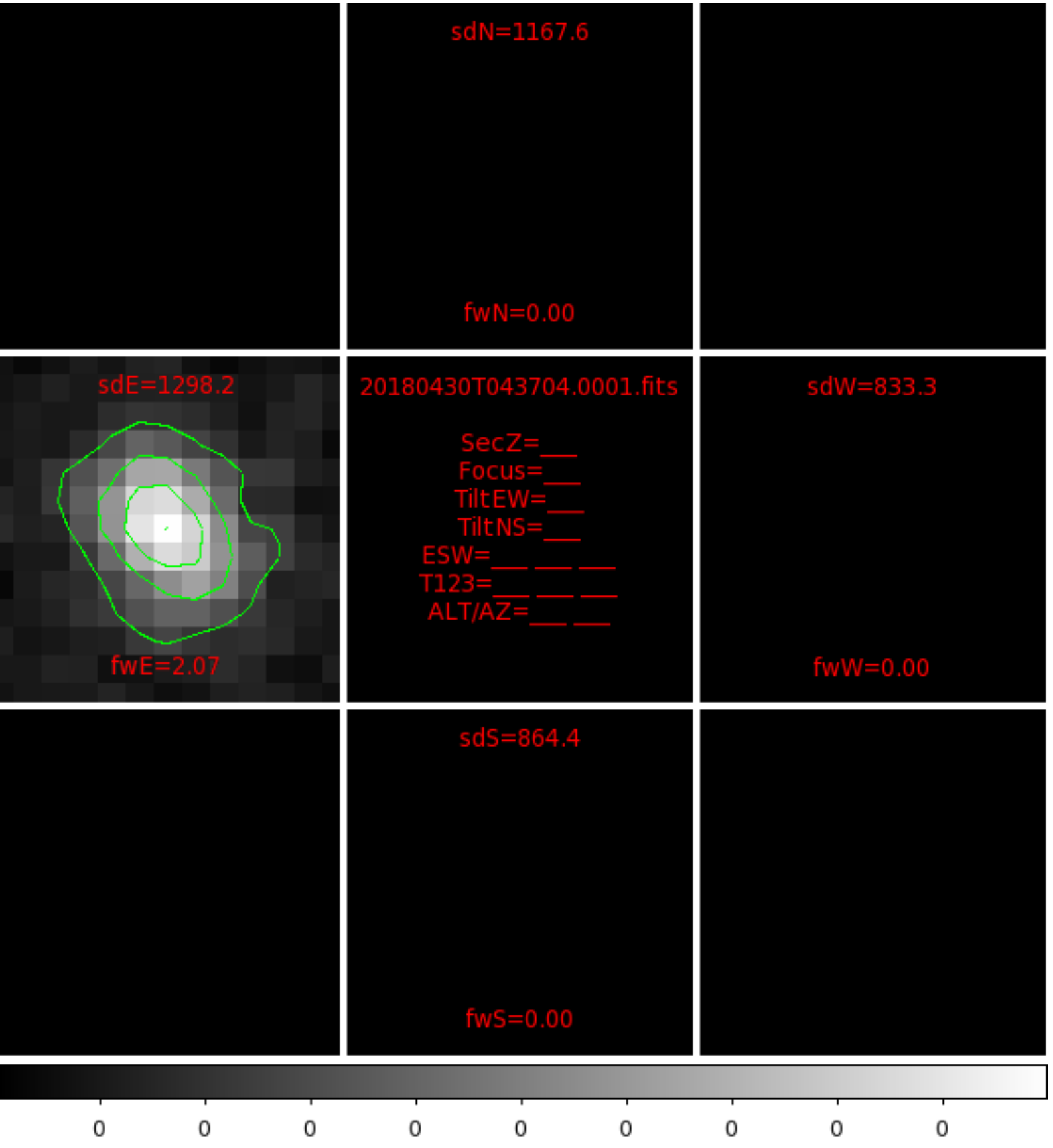
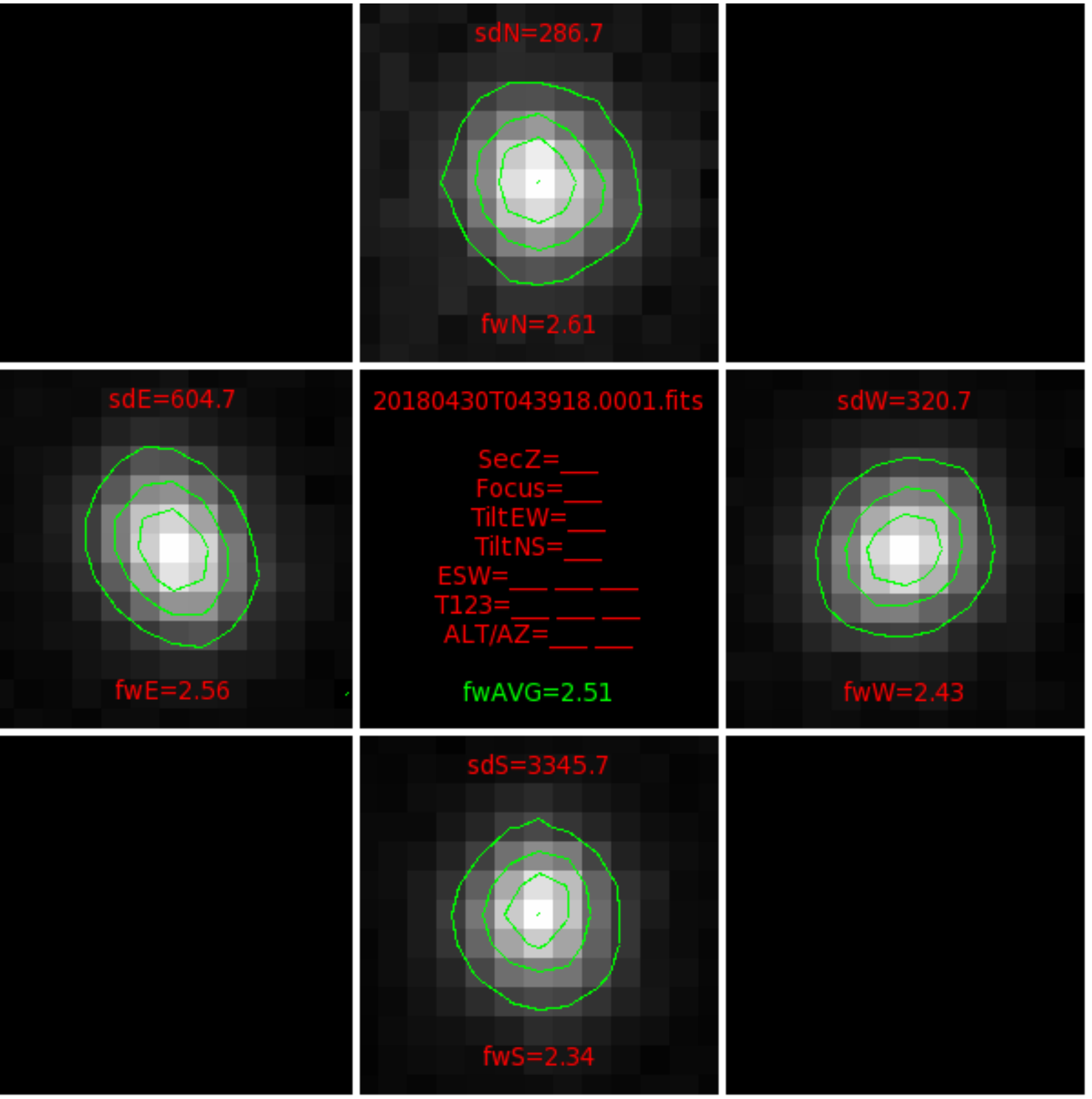
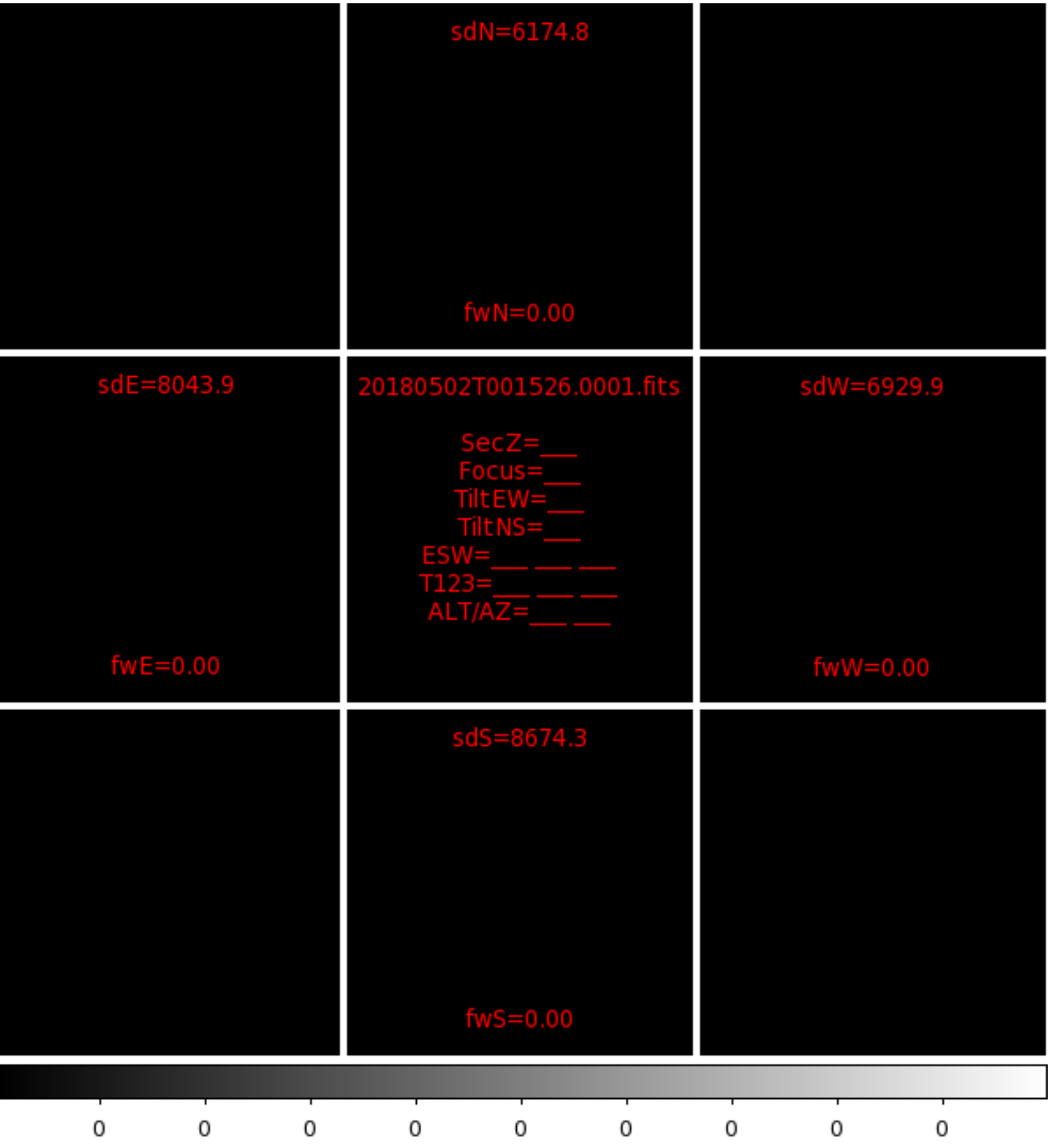
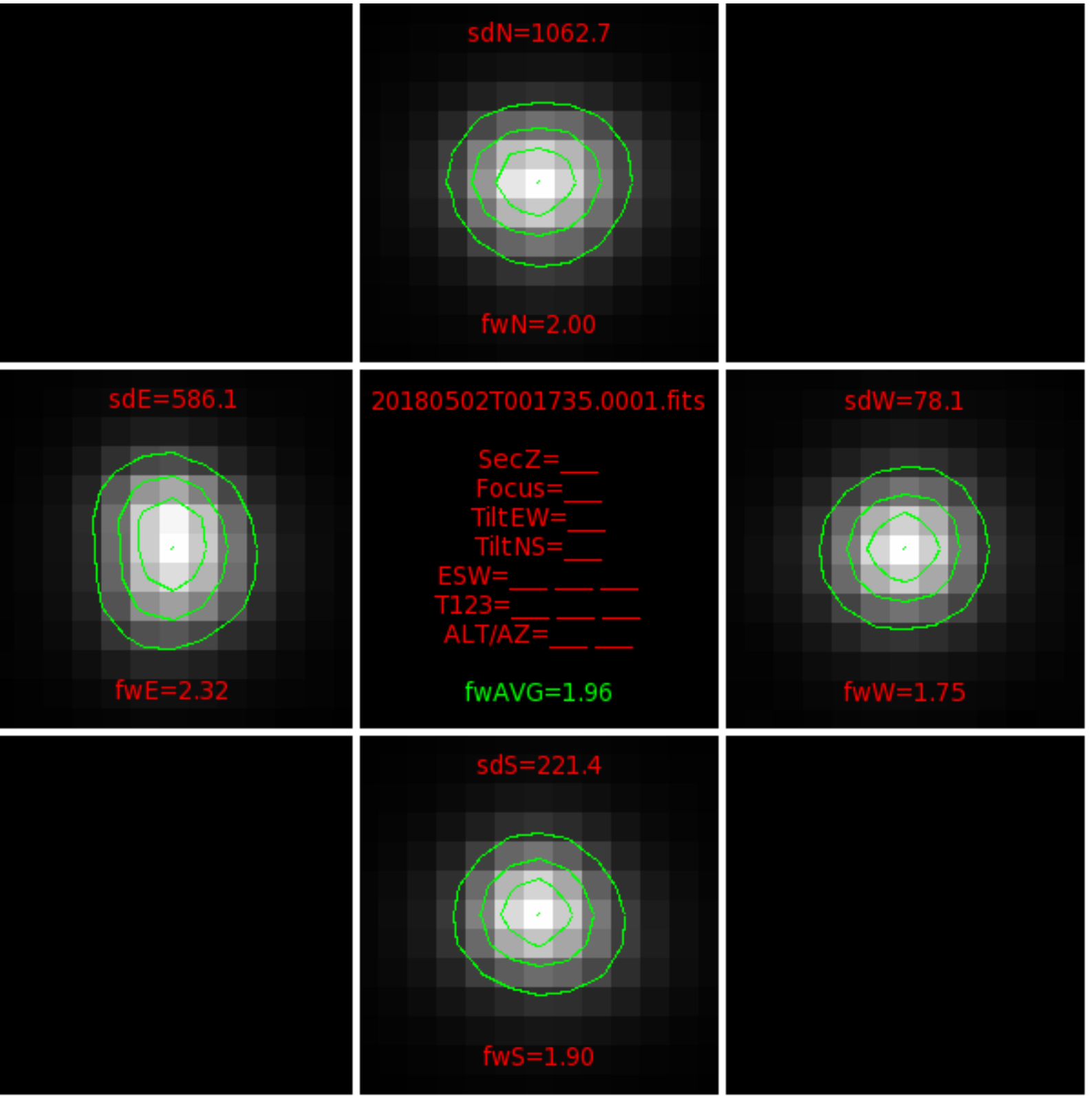

sdN=1167.6
fwN=0.00
sdE=1298.2
fwE=2.07
20180430T043704.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=833.3
fwW=0.00
sdS=864.4
fwS=0.00
0 0 0 0 0 0 0 0 0


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
0 0 0 0 0 0 0 0 0


sdN=6174.8
fwN=0.00
sdE=8043.9
fwE=0.00
20180502T001526.0001.fits
SecZ=___
Focus=___
TiltEW=___
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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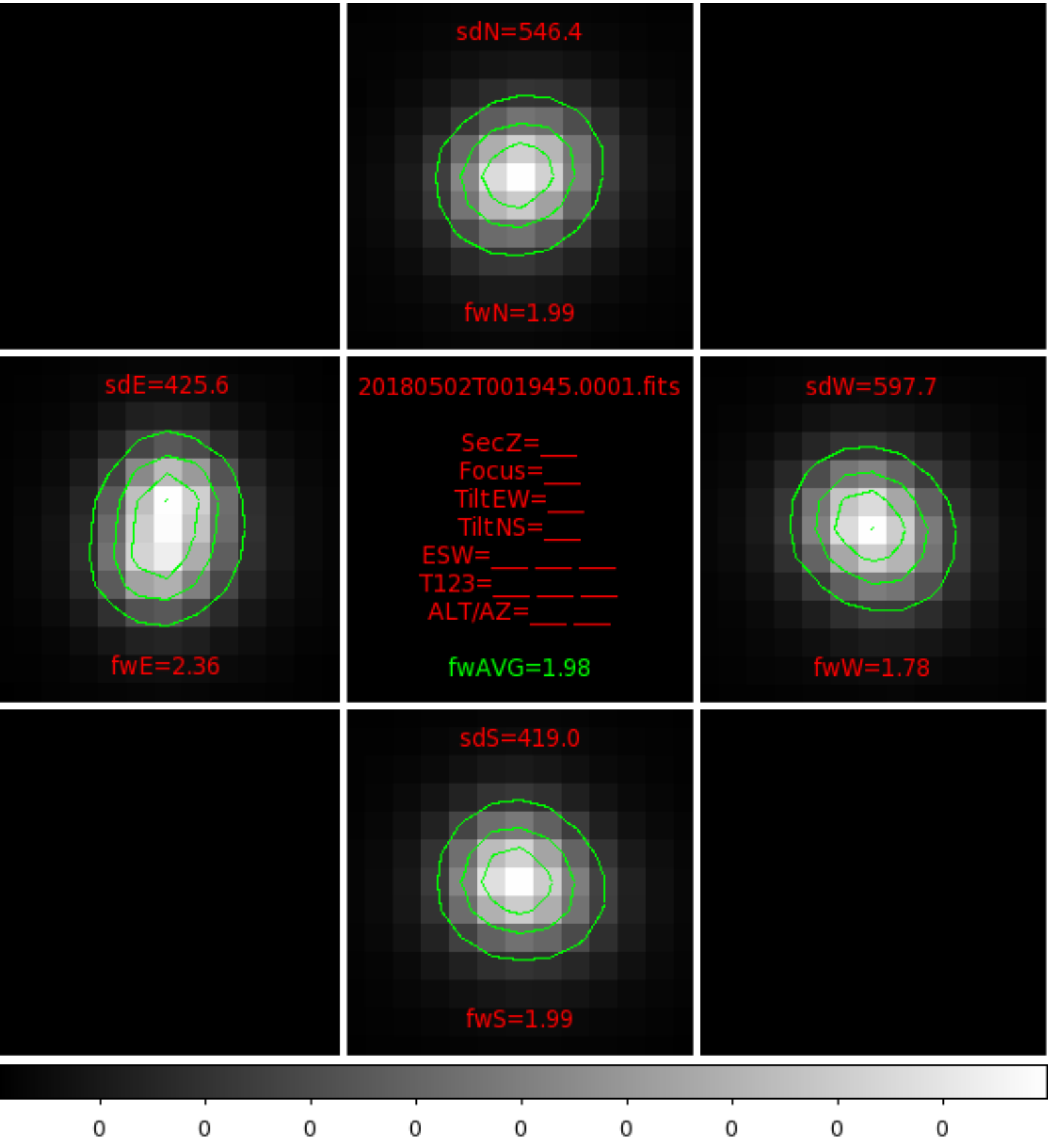
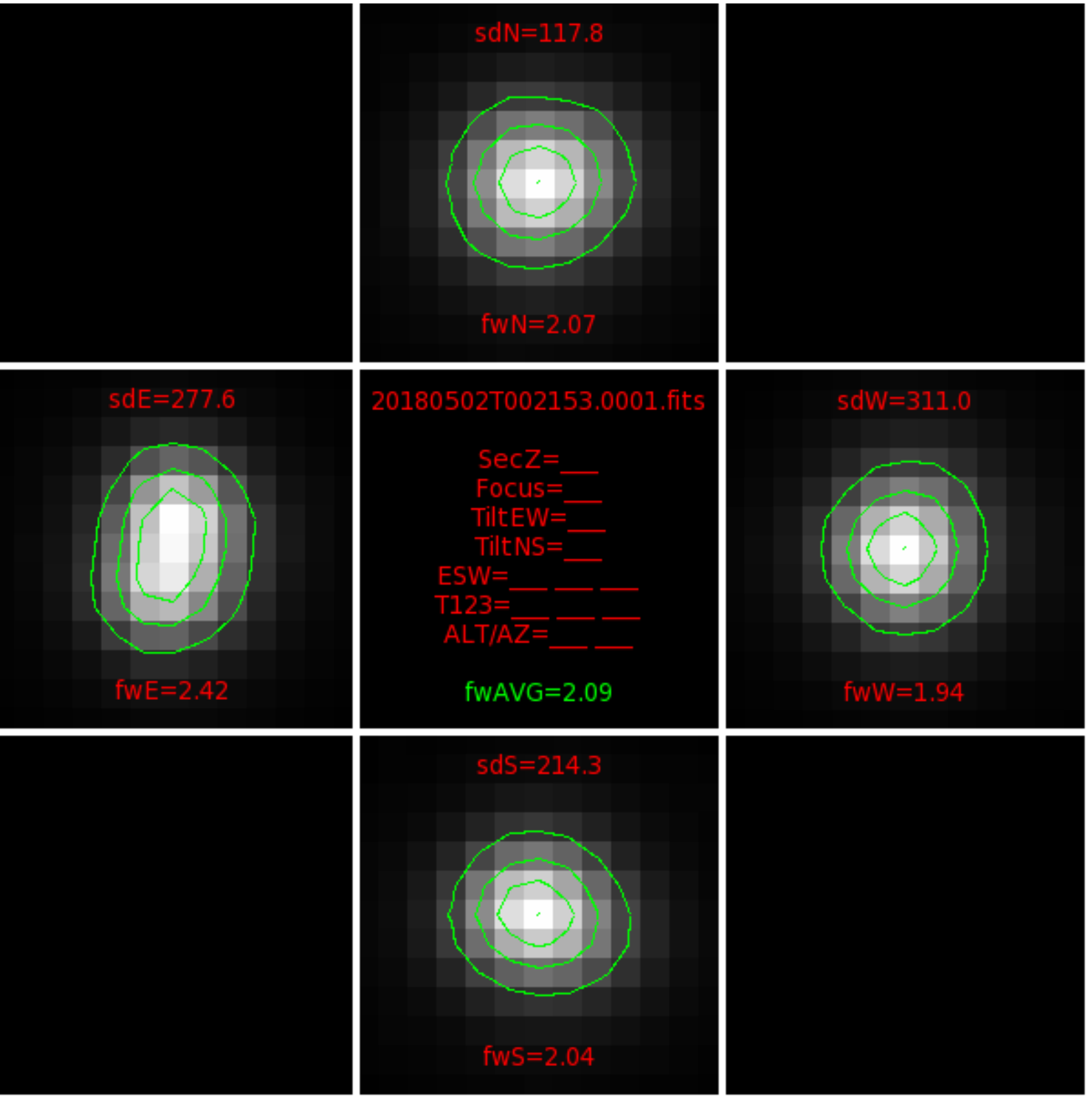

sdN=546.4
fwN=1.99
sdE=425.6
fwE=2.36
20180502T001945.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.98
sdW=597.7
fwW=1.78
sdS=419.0
fwS=1.99
0 0 0 0 0 0 0 0 0


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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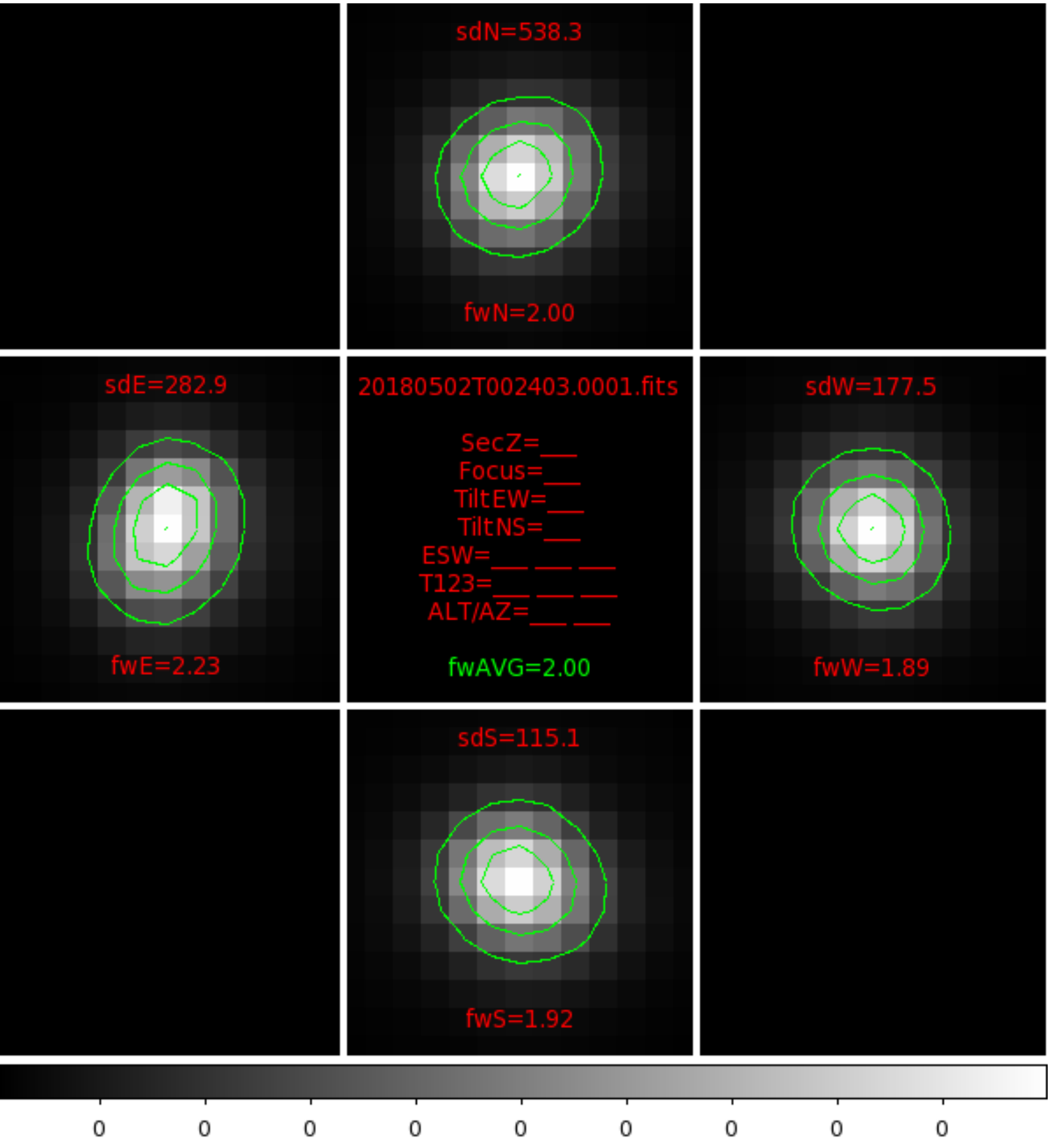
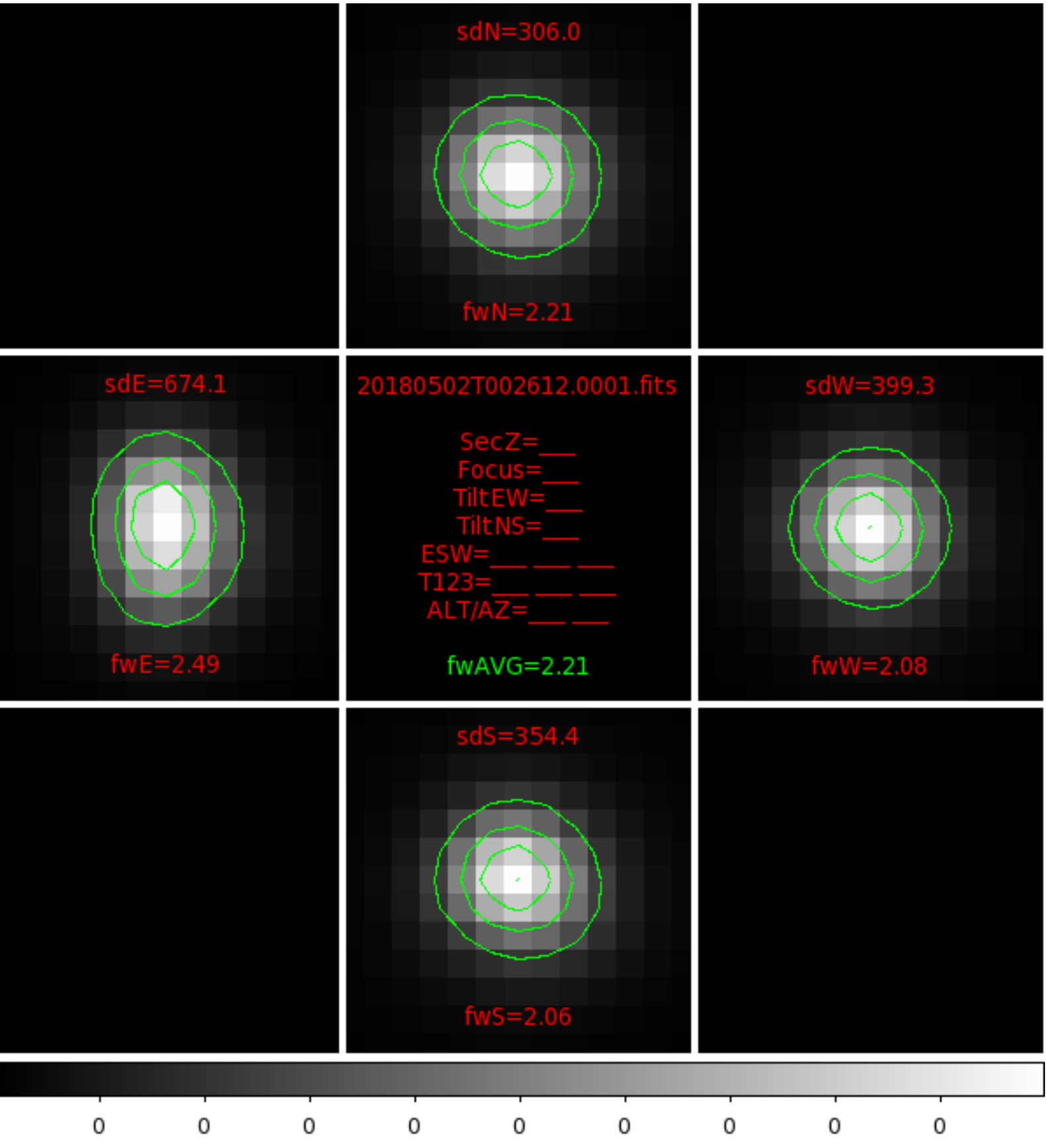

sdN=538.3
fwN=2.00
sdE=282.9
fwE=2.23
20180502T002403.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.00
sdW=177.5
fwW=1.89
sdS=115.1
fwS=1.92
0 0 0 0 0 0 0 0 0


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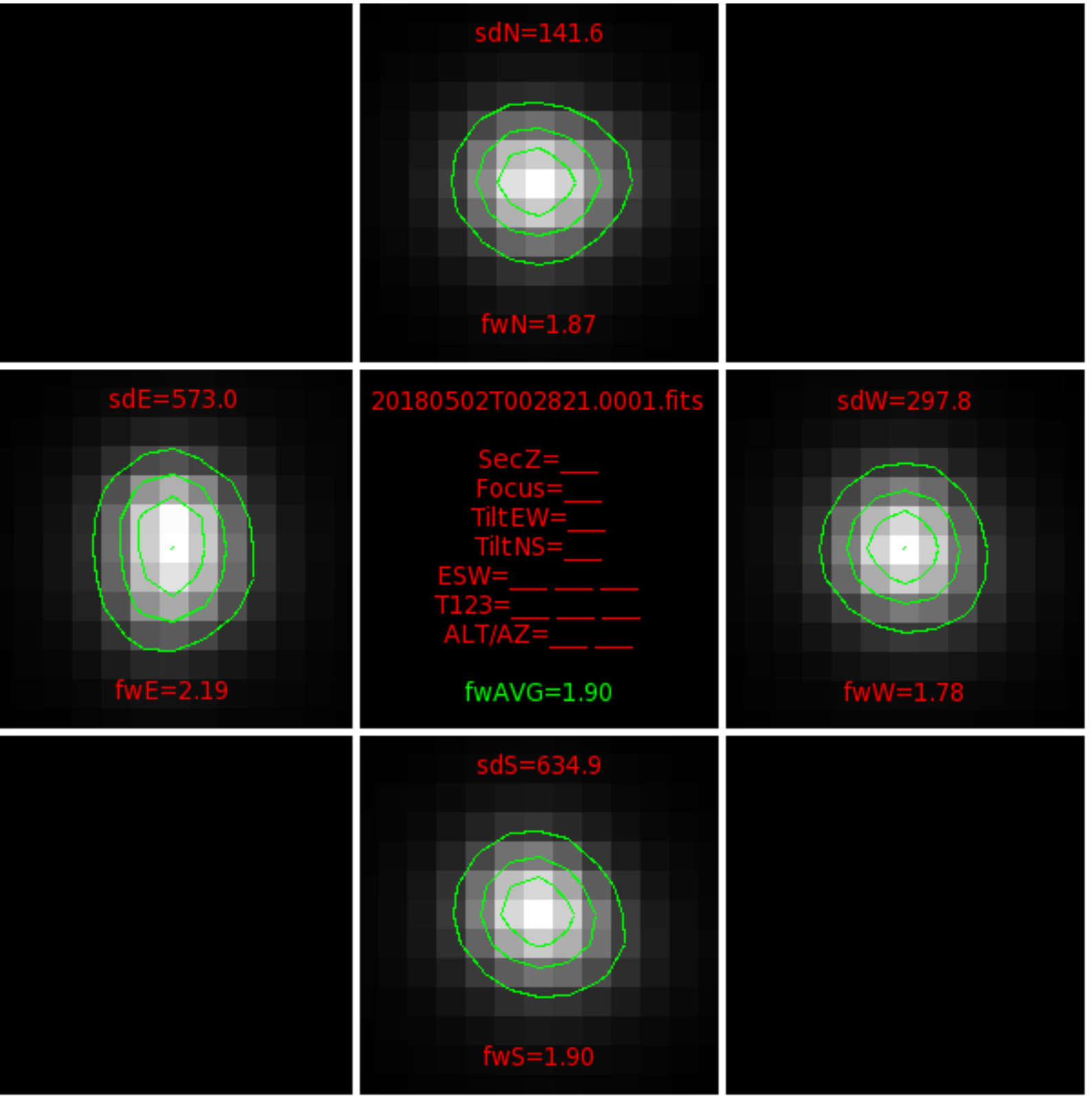
sdN=141.6
fwN=1.87
sdE=573.0
fwE=2.19
20180502T002821.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.90
sdW=297.8
fwW=1.78
sdS=634.9
fwS=1.90
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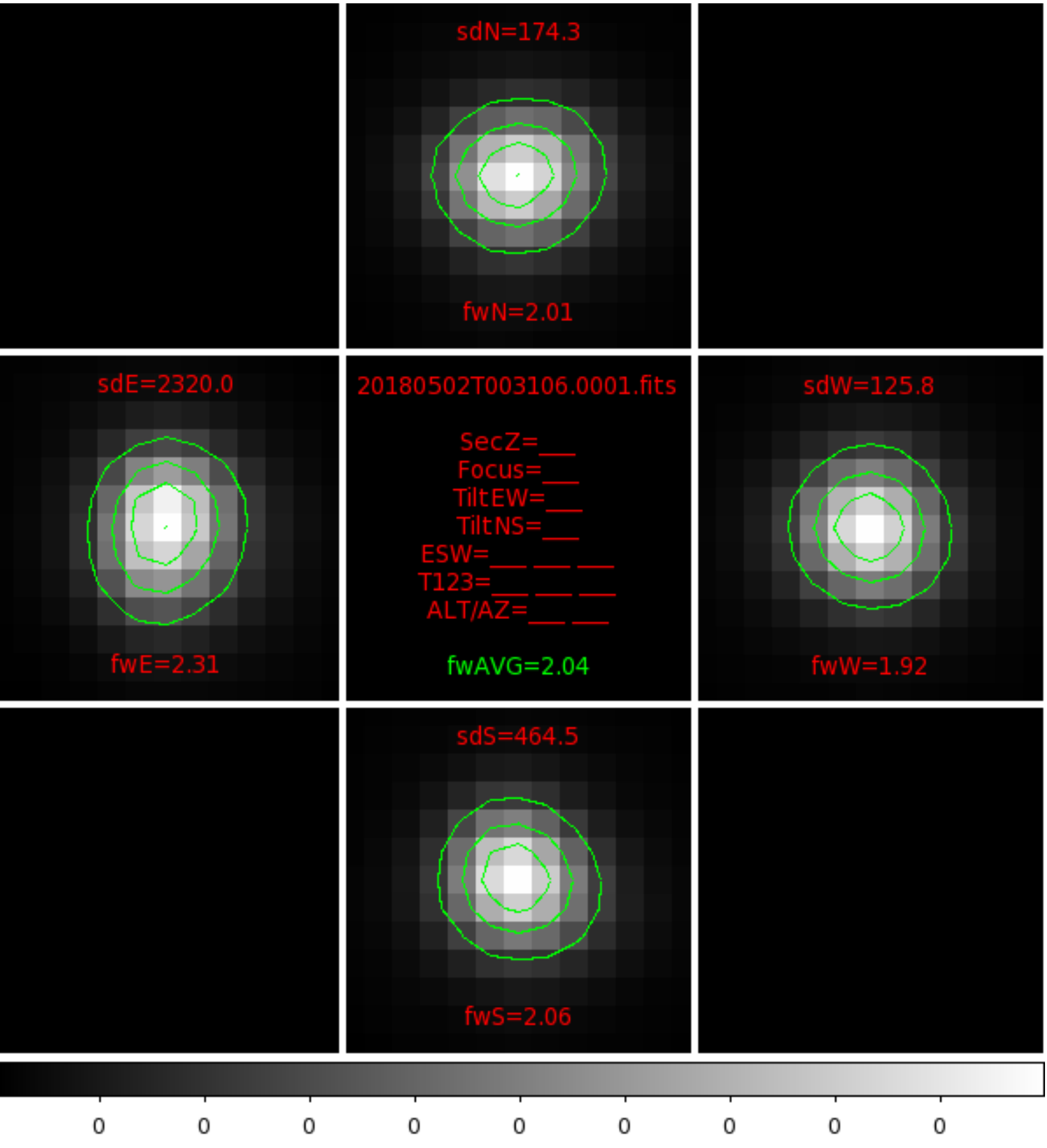
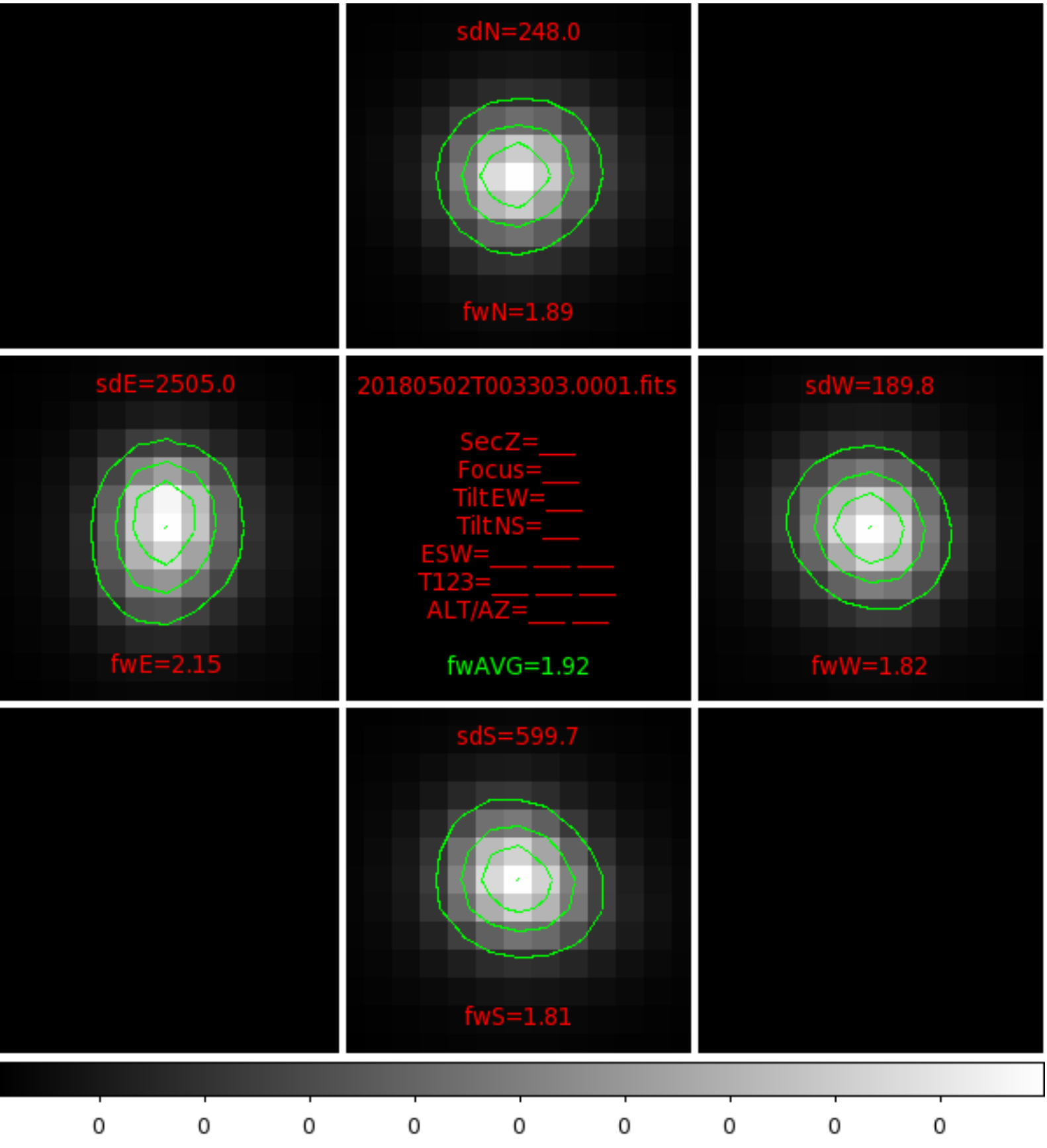

sdN=174.3
fwN=2.01
sdE=2320.0
fwE=2.31
20180502T003106.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.04
sdW=125.8
fwW=1.92
sdS=464.5
fwS=2.06
0 0 0 0 0 0 0 0 0


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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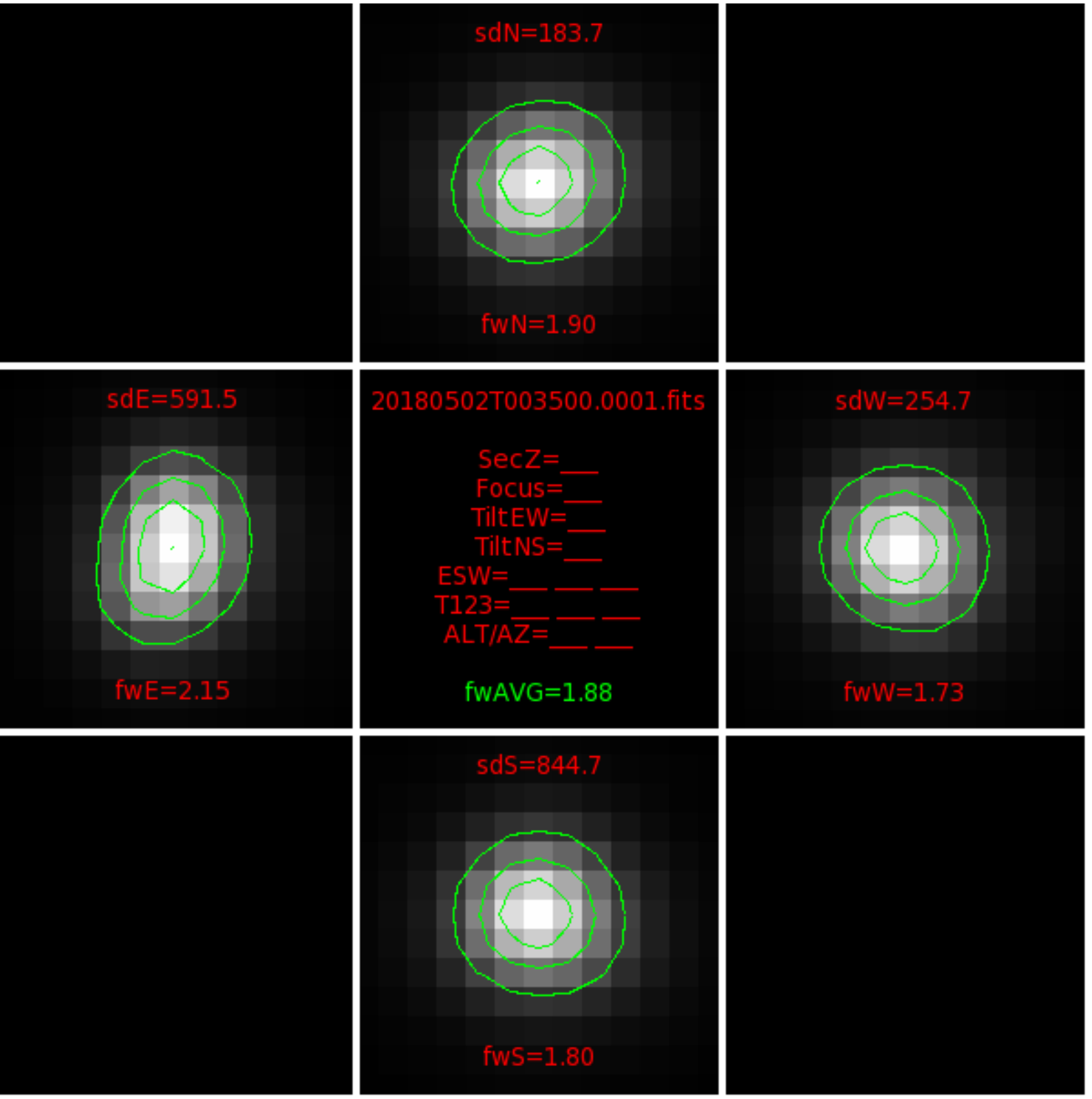
sdN=183.7
fwN=1.90
sdE=591.5
fwE=2.15
20180502T003500.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.88
sdW=254.7
fwW=1.73
sdS=844.7
fwS=1.80
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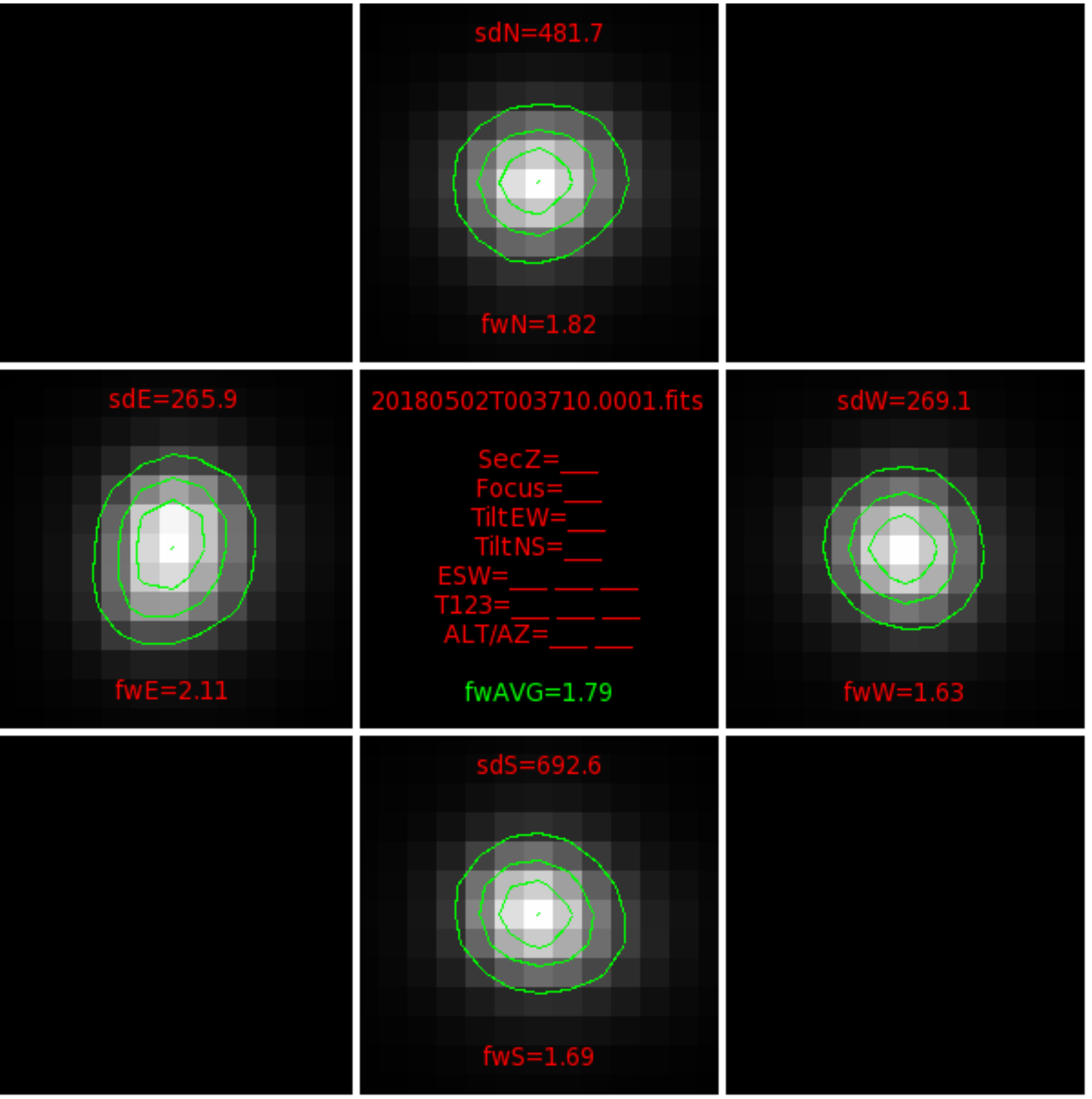
sdN=481.7
fwN=1.82
sdE=265.9
fwE=2.11
20180502T003710.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.79
sdW=269.1
fwW=1.63
sdS=692.6
fwS=1.69
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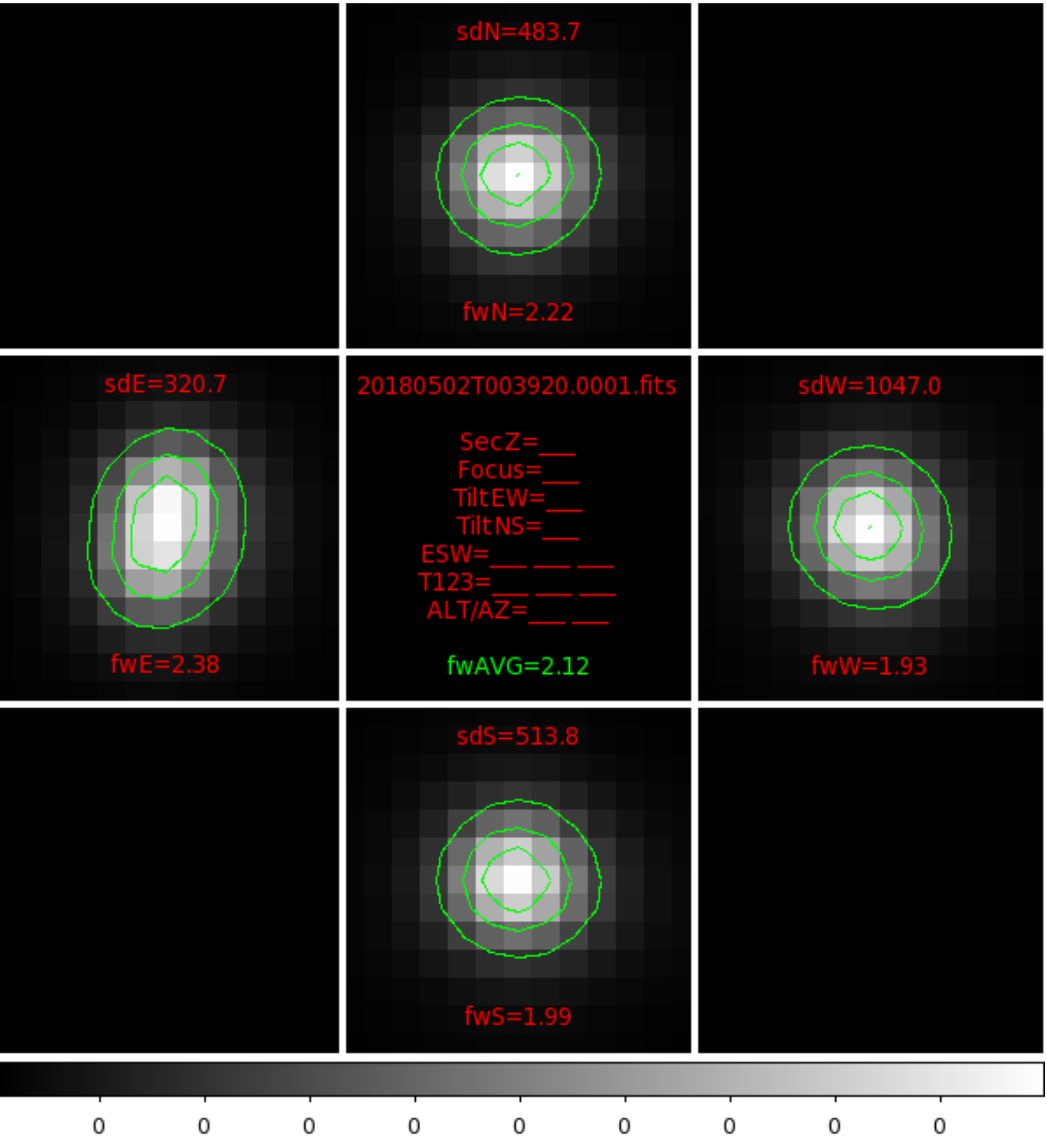
sdN=483.7
fwN=2.22
sdE=320.7
fwE=2.38
20180502T003920.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.12
sdW=1047.0
fwW=1.93
sdS=513.8
fwS=1.99
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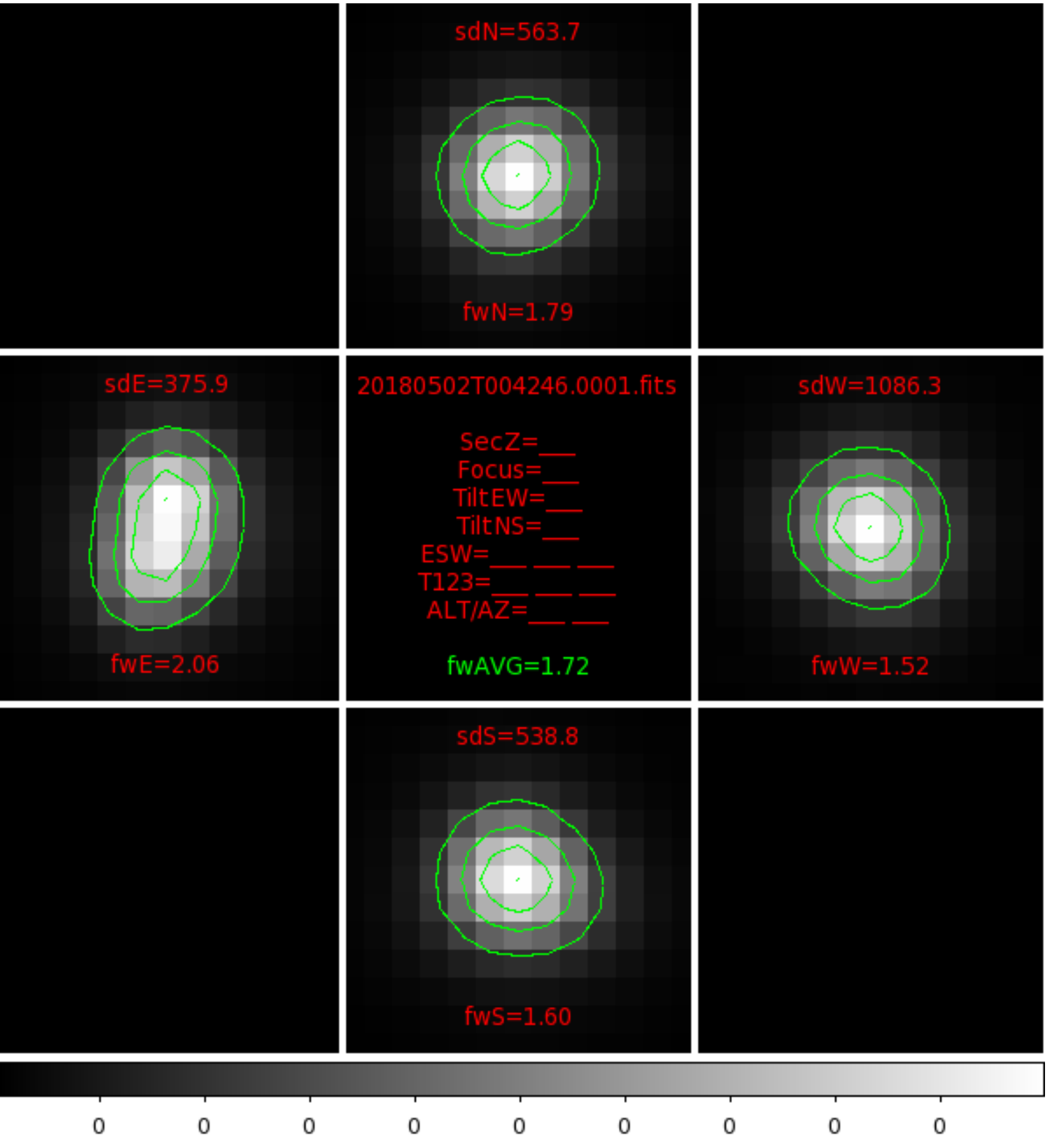
sdN=563.7
fwN=1.79
sdE=375.9
fwE=2.06
20180502T004246.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.72
sdW=1086.3
fwW=1.52
sdS=538.8
fwS=1.60
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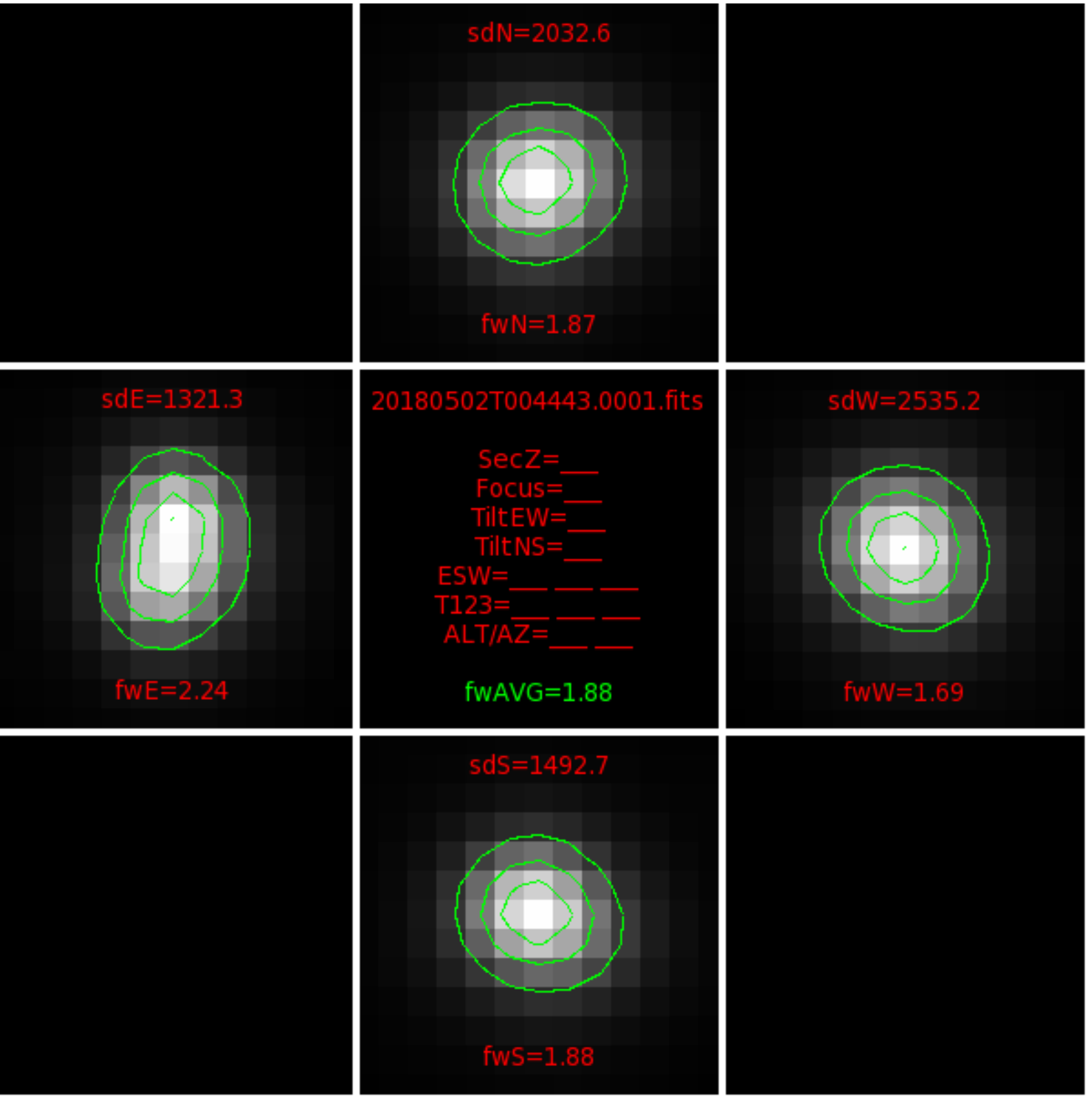
sdN=2032.6
fwN=1.87
sdE=1321.3
fwE=2.24
20180502T004443.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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sdW=2535.2
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sdS=1492.7
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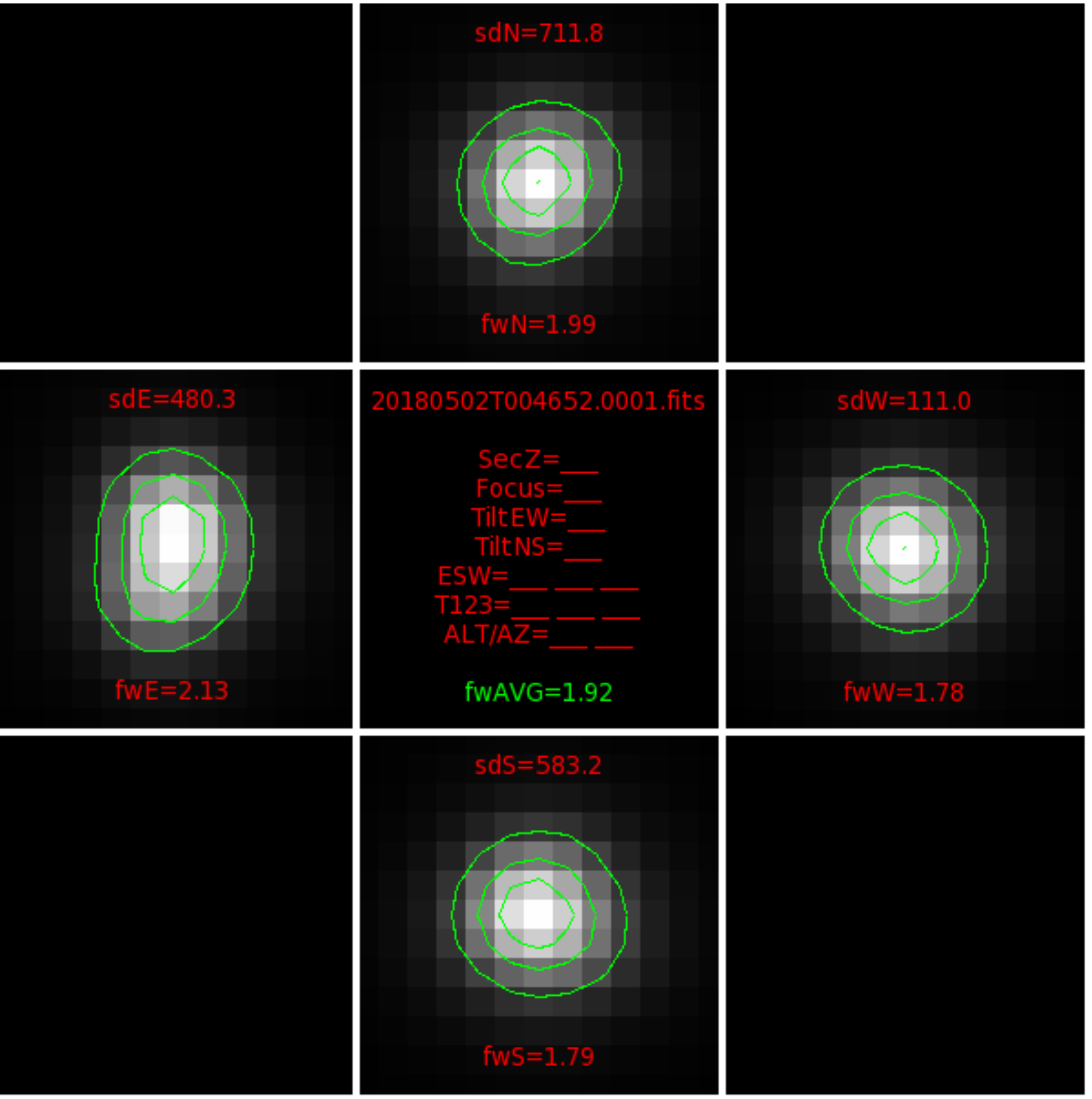
sdN=711.8
fwN=1.99
sdE=480.3
fwE=2.13
20180502T004652.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.92
sdW=111.0
fwW=1.78
sdS=583.2
fwS=1.79
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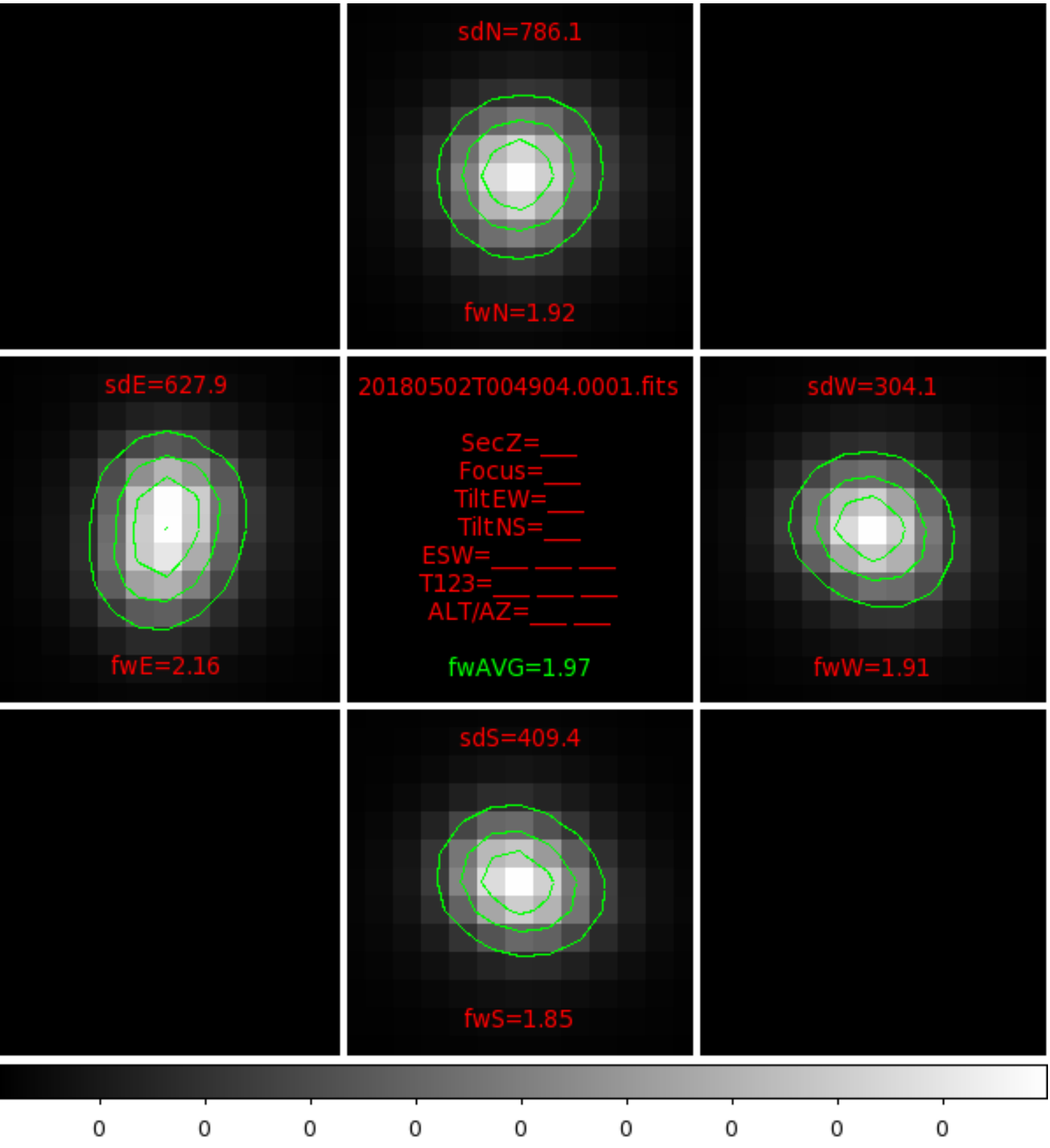
sdN=786.1
fwN=1.92
sdE=627.9
fwE=2.16
20180502T004904.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.97
sdW=304.1
fwW=1.91
sdS=409.4
fwS=1.85
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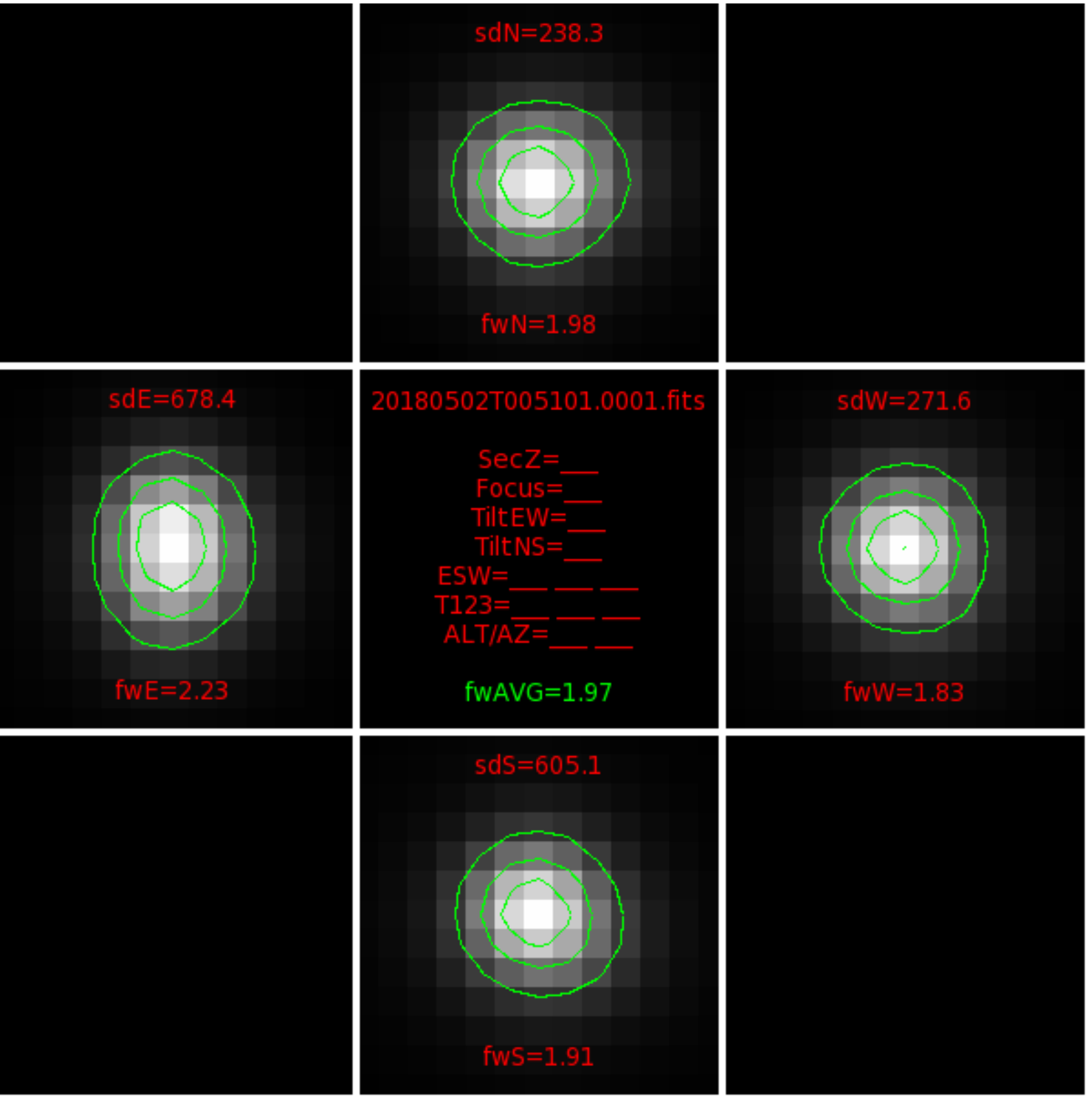
sdN=238.3
fwN=1.98
sdE=678.4
fwE=2.23
20180502T005101.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.97
sdW=271.6
fwW=1.83
sdS=605.1
fwS=1.91
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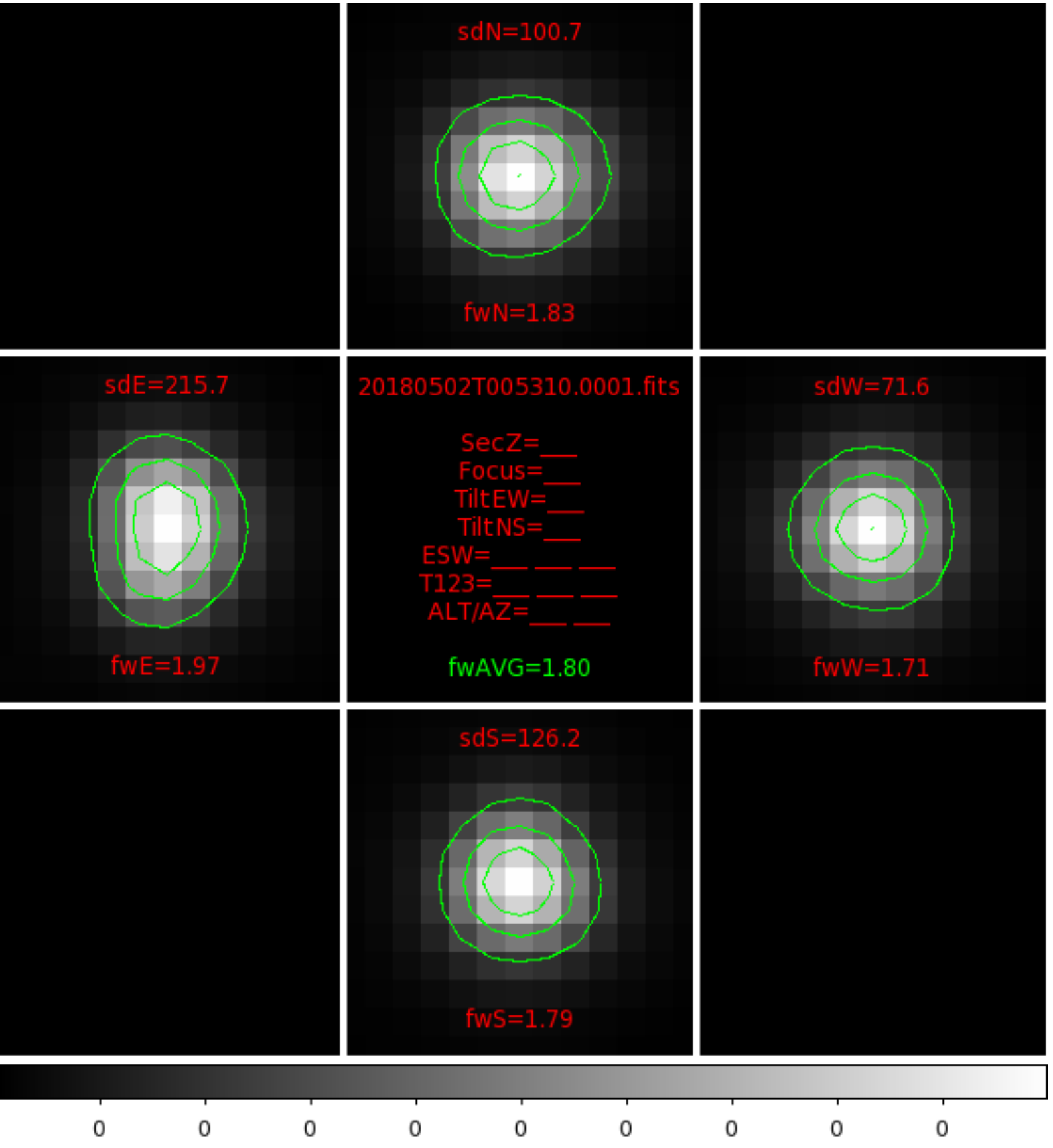
sdN=100.7
fwN=1.83
sdE=215.7
fwE=1.97
20180502T005310.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.80
sdW=71.6
fwW=1.71
sdS=126.2
fwS=1.79
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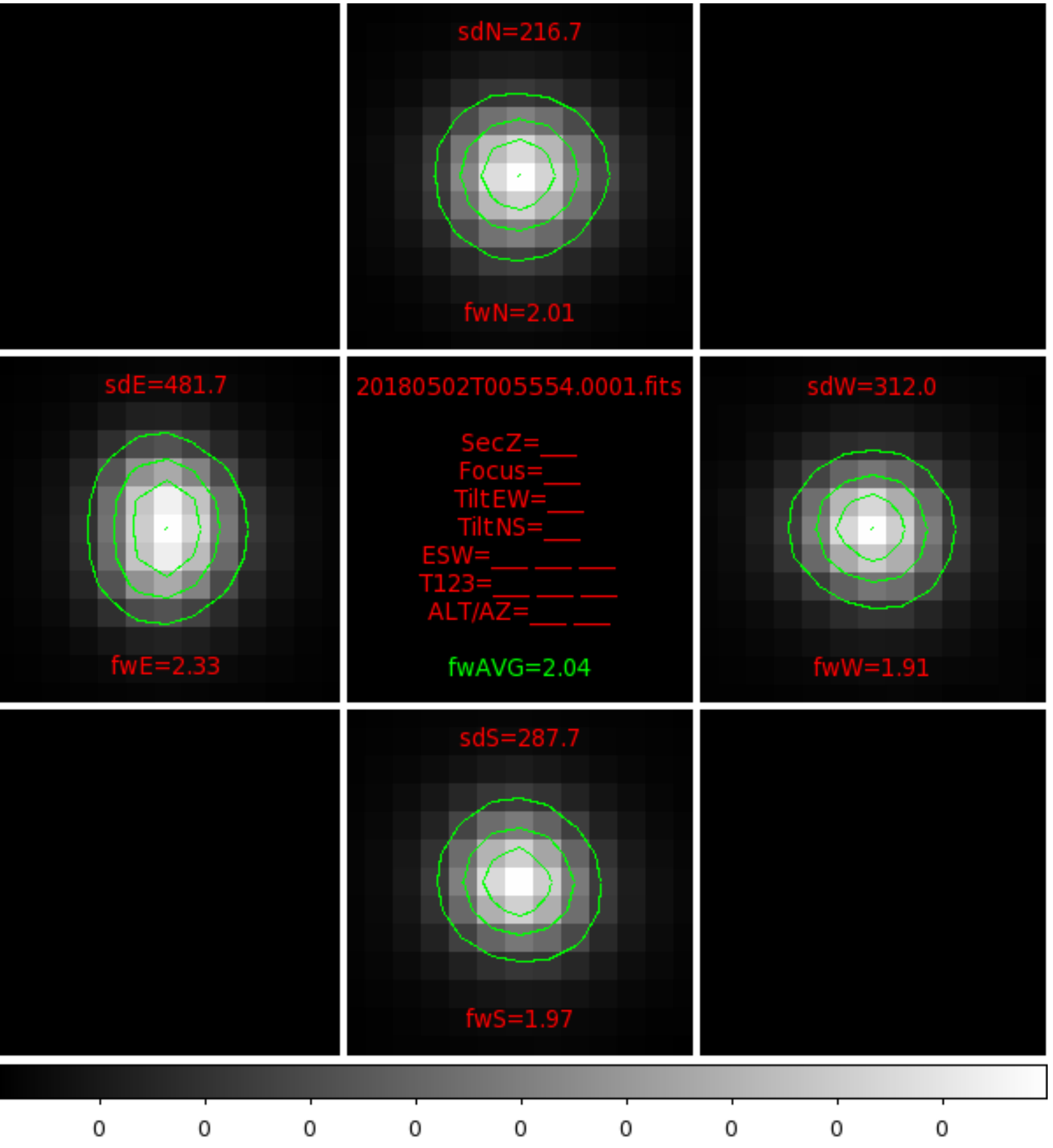
sdN=216.7
fwN=2.01
sdE=481.7
fwE=2.33
20180502T005554.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.04
sdW=312.0
fwW=1.91
sdS=287.7
fwS=1.97
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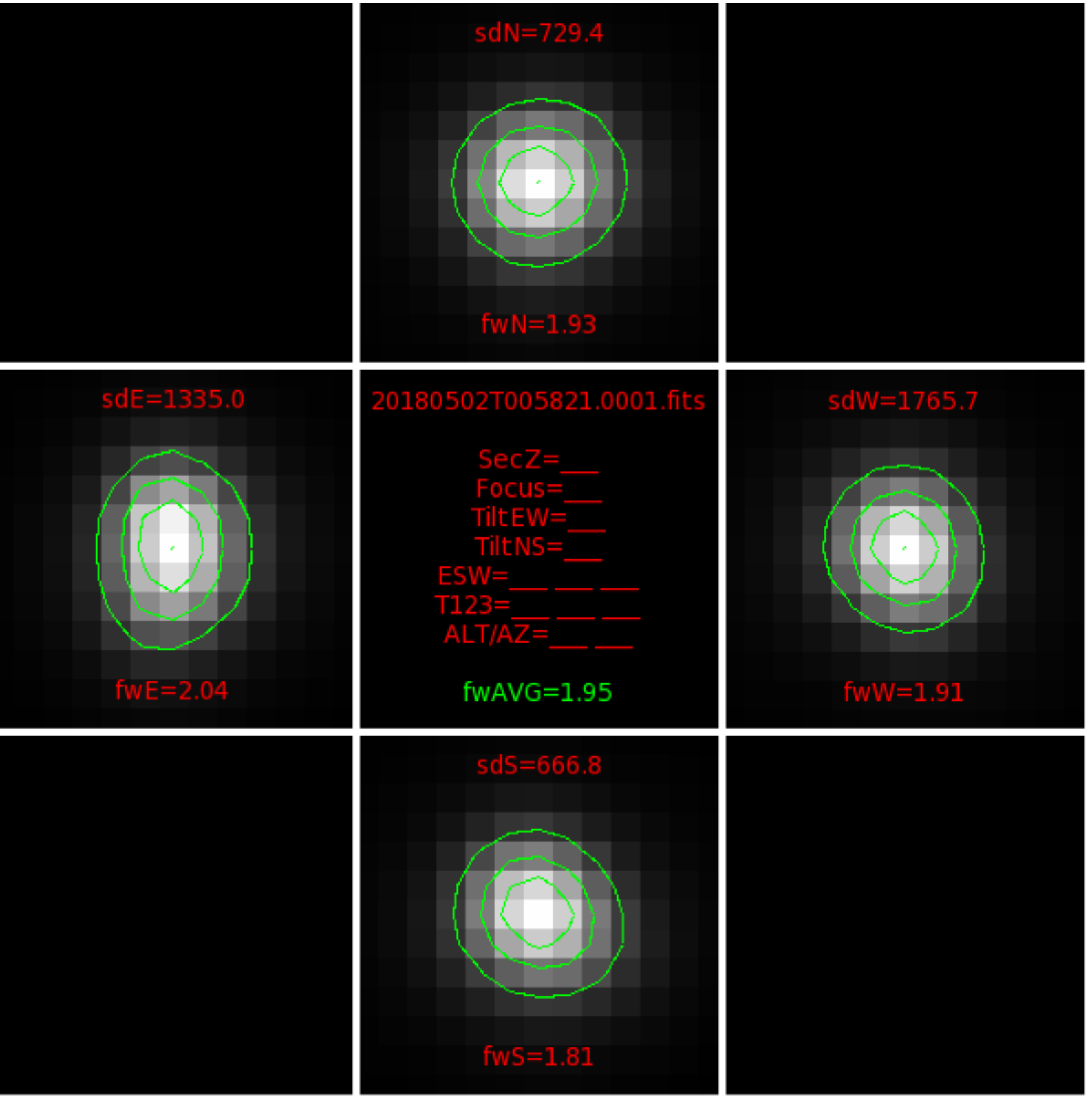
sdN=729.4
fwN=1.93
sdE=1335.0
fwE=2.04
20180502T005821.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.95
sdW=1765.7
fwW=1.91
sdS=666.8
fwS=1.81
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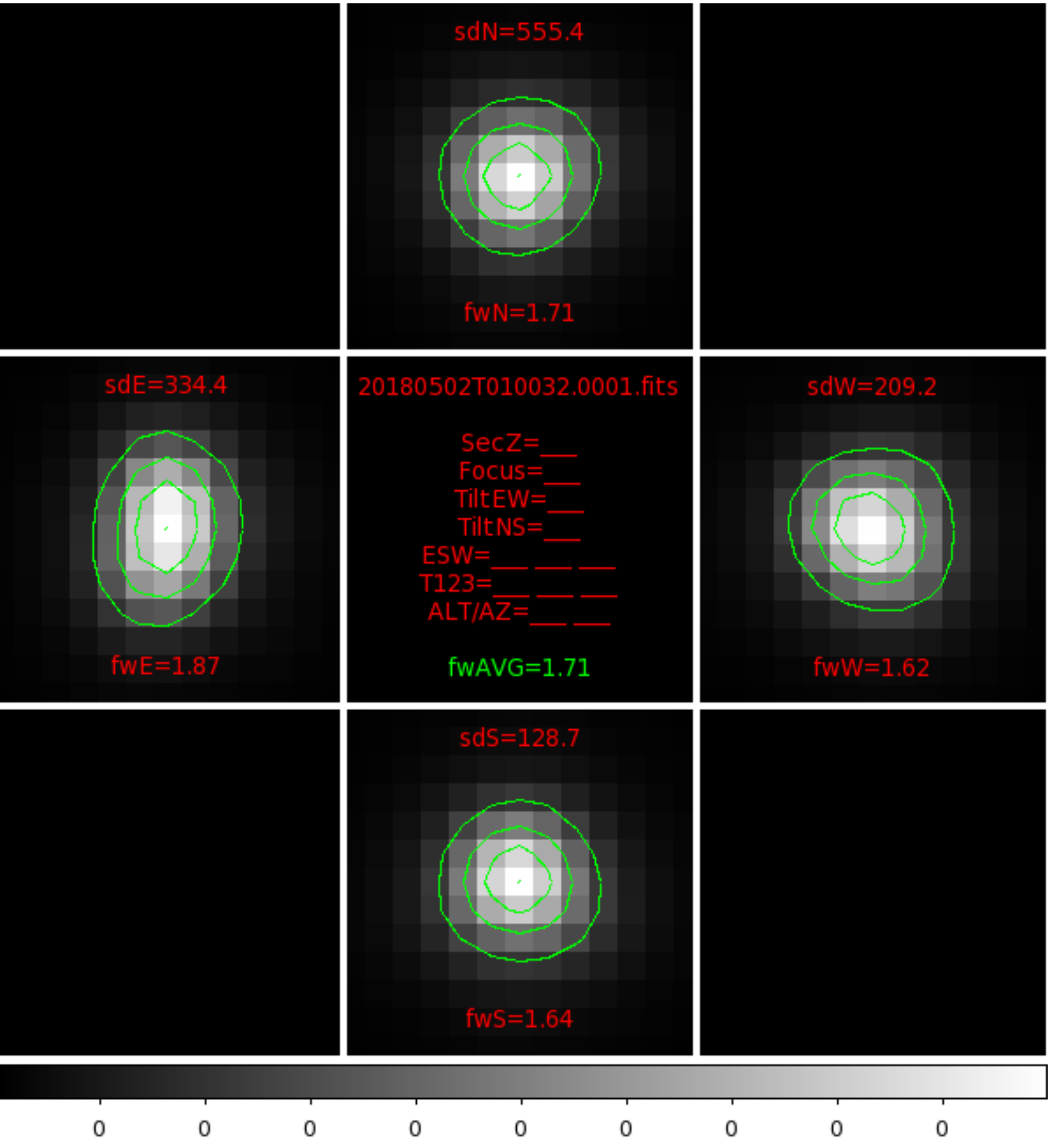
sdN=555.4
fwN=1.71
sdE=334.4
fwE=1.87
20180502T010032.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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sdW=209.2
fwW=1.62
sdS=128.7
fwS=1.64
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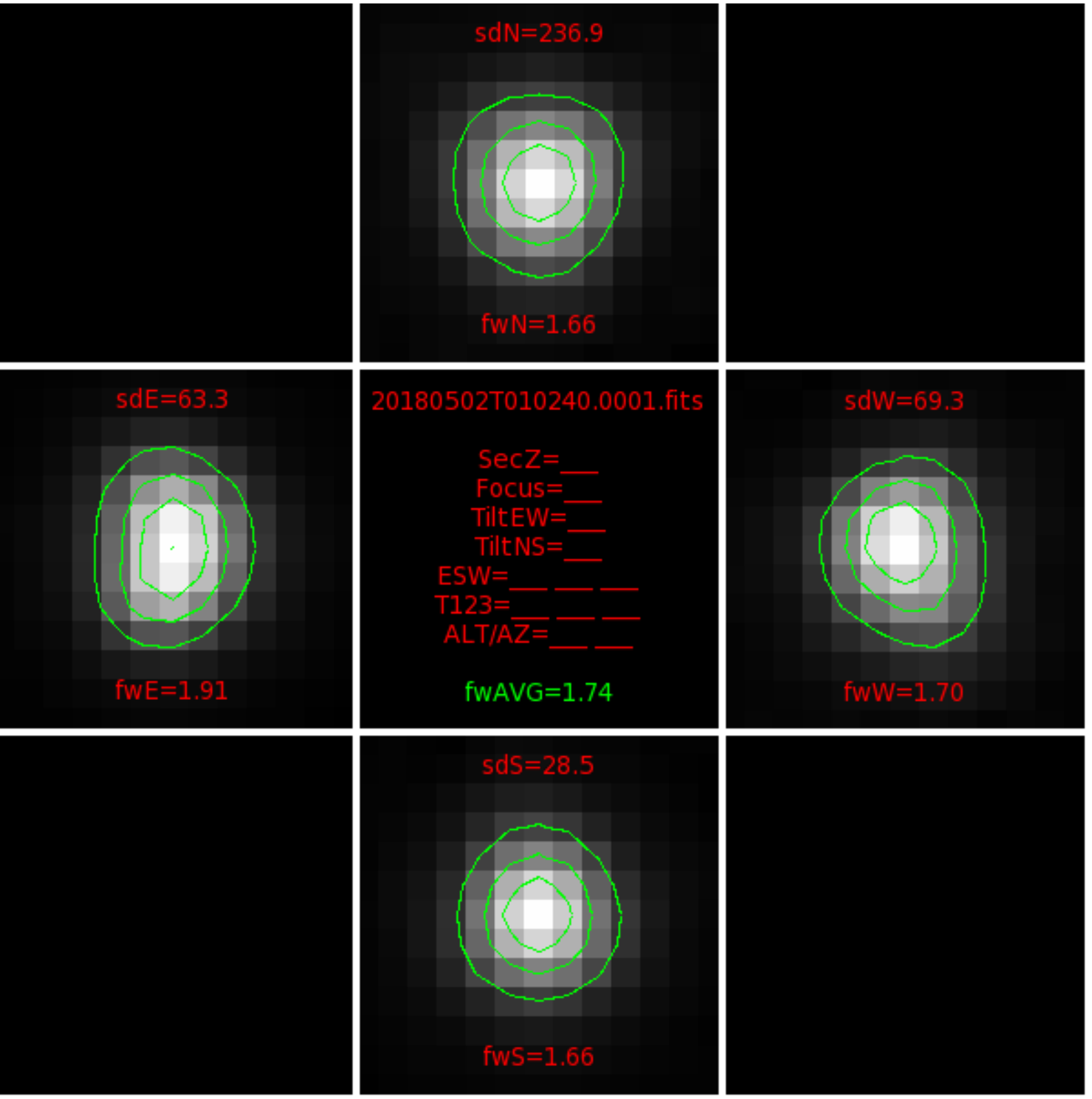
sdN=236.9
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sdE=63.3
fwE=1.91
20180502T010240.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.74
sdW=69.3
fwW=1.70
sdS=28.5
fwS=1.66
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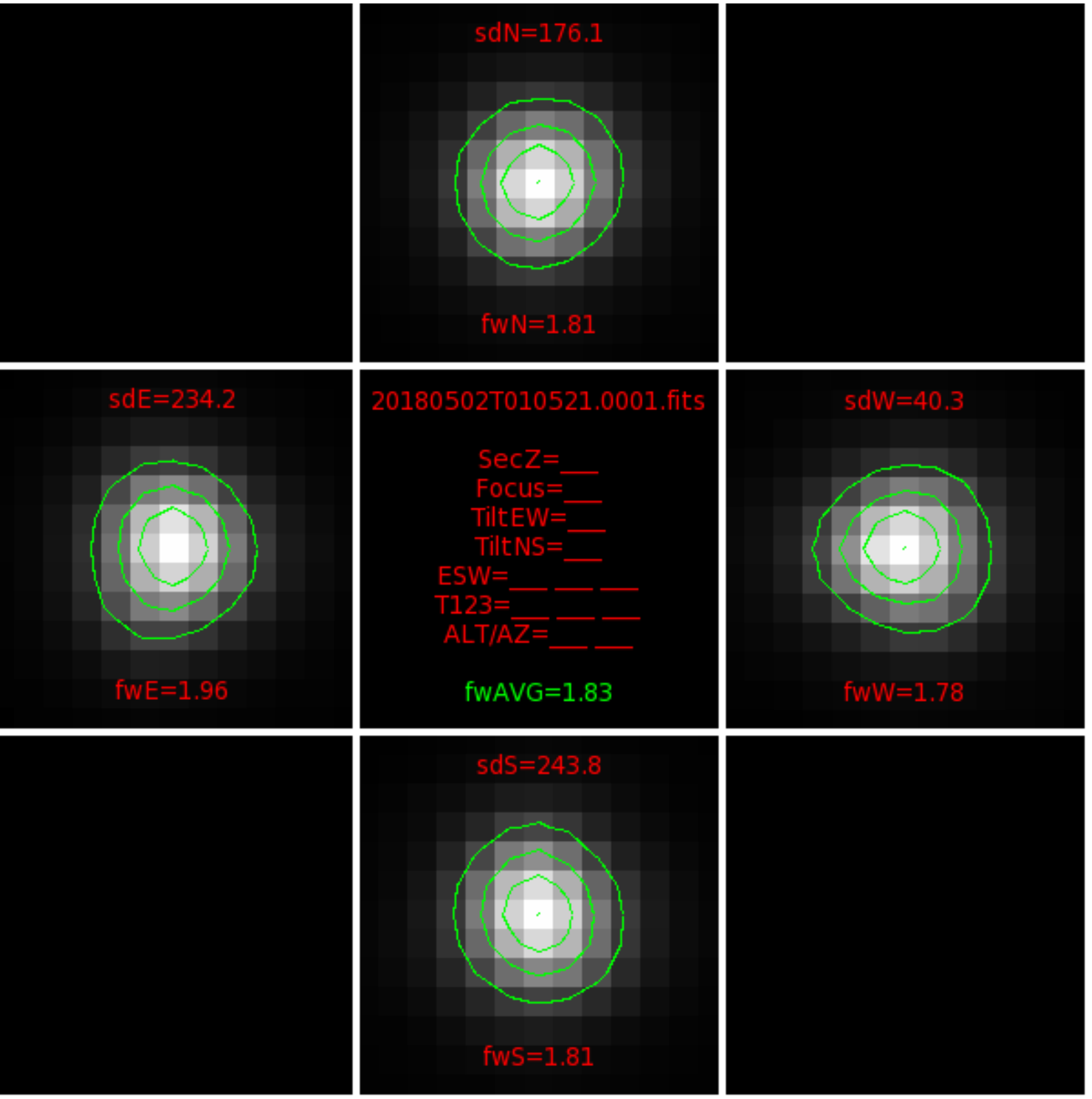
sdN=176.1
fwN=1.81
sdE=234.2
fwE=1.96
20180502T010521.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.83
sdW=40.3
fwW=1.78
sdS=243.8
fwS=1.81
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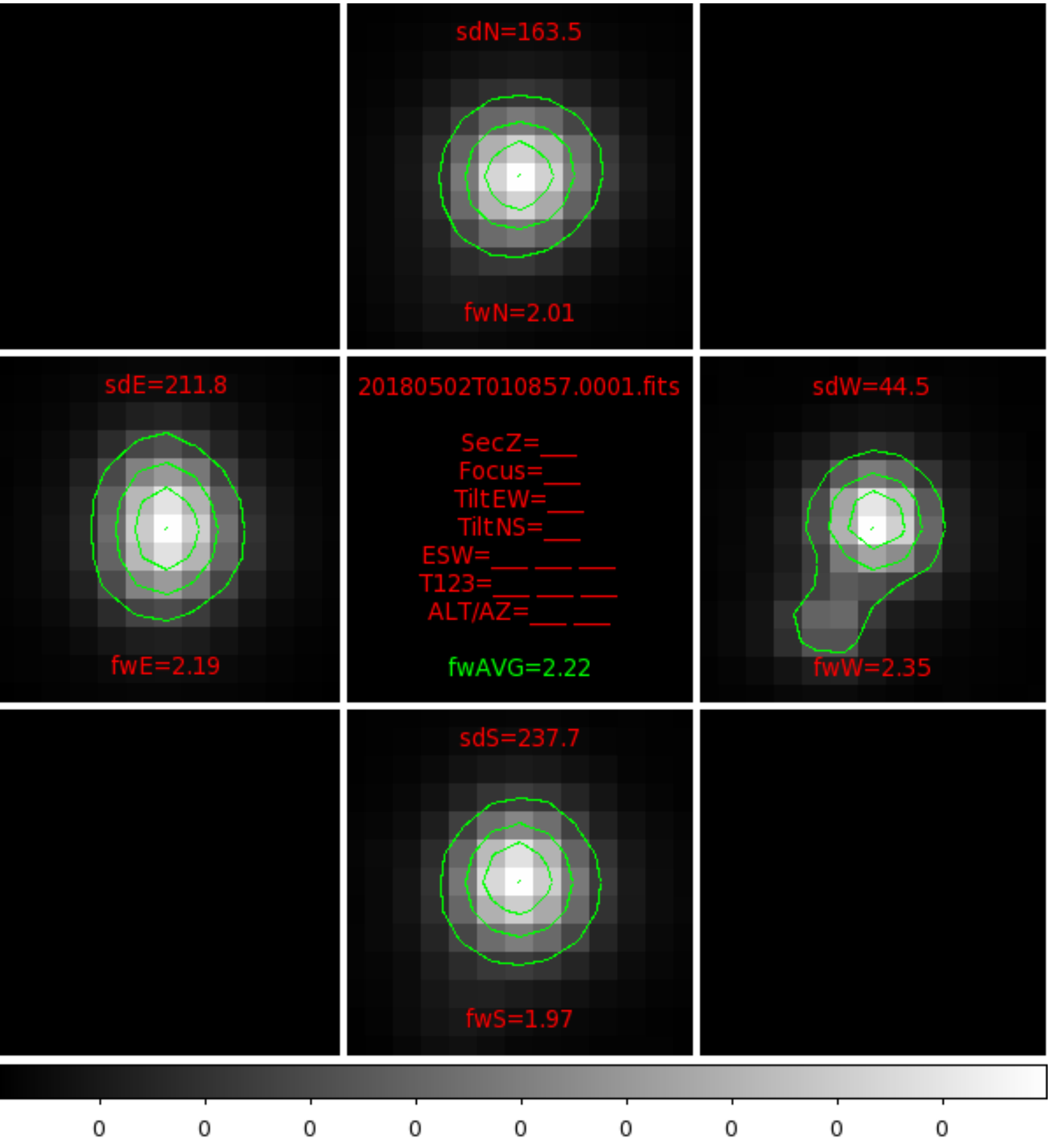
sdN=163.5
fwN=2.01
sdE=211.8
fwE=2.19
20180502T010857.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.22
sdW=44.5
fwW=2.35
sdS=237.7
fwS=1.97
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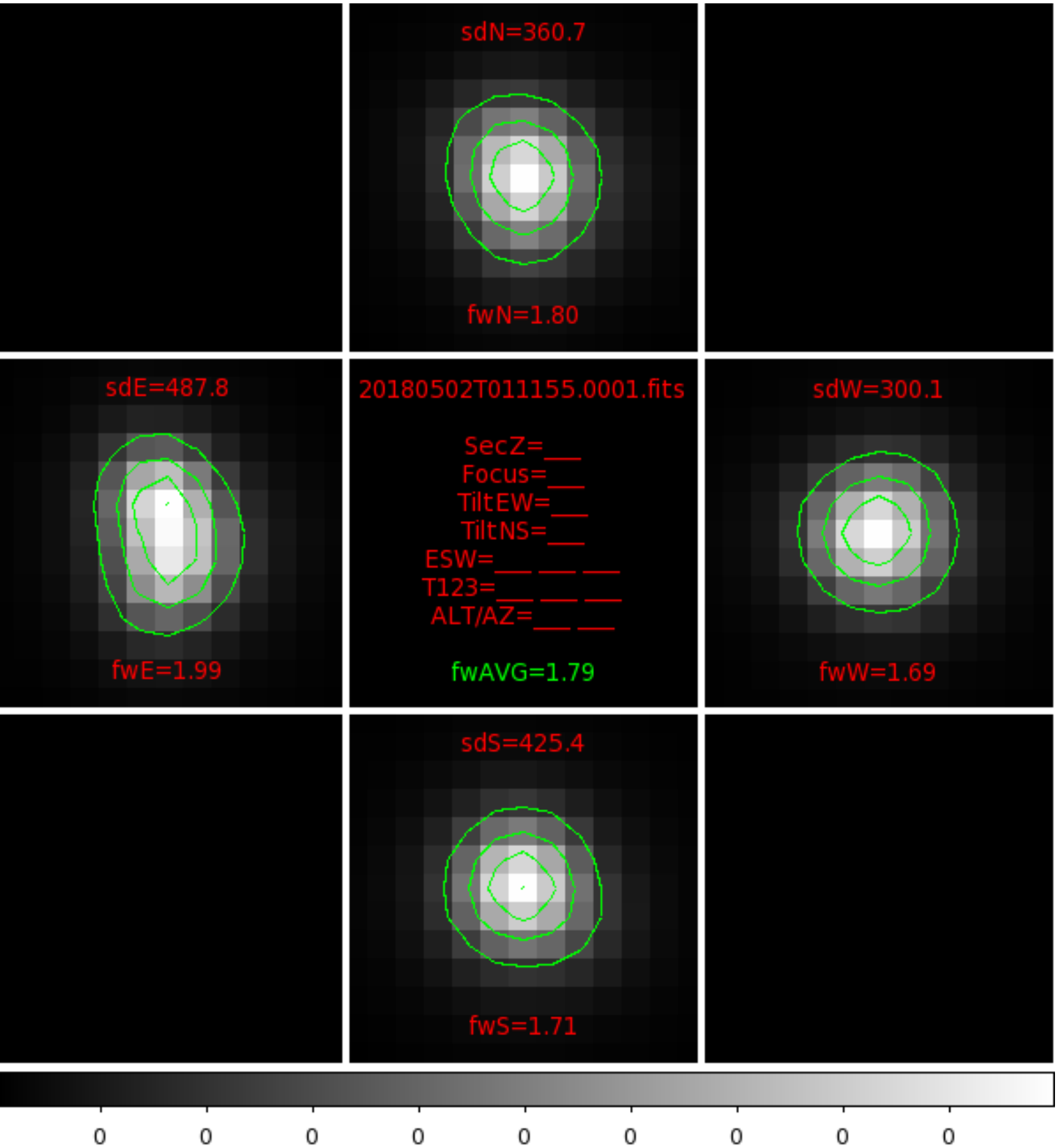
sdN=360.7
fwN=1.80
sdE=487.8
fwE=1.99
20180502T011155.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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sdW=300.1
fwW=1.69
sdS=425.4
fwS=1.71
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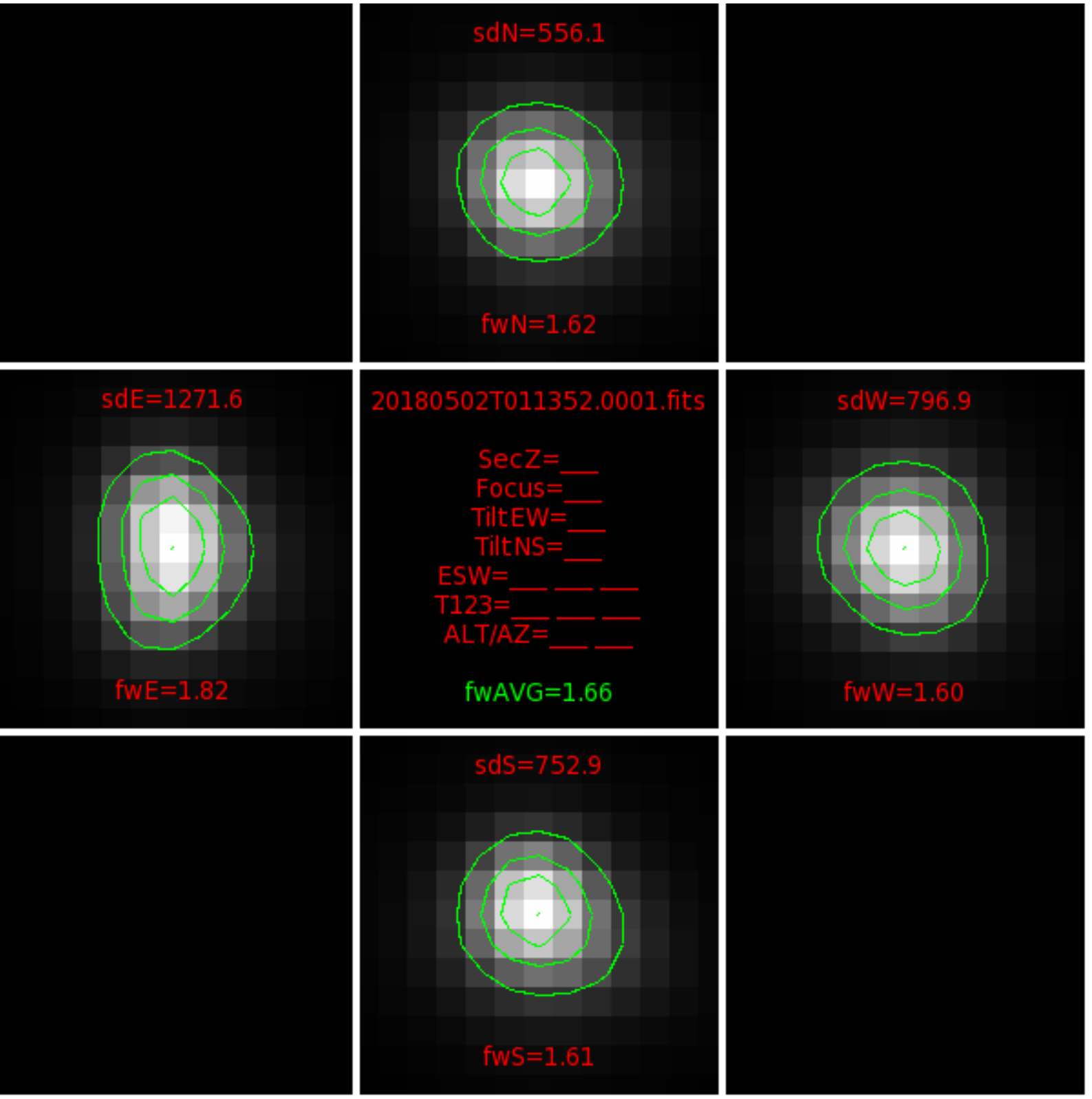
sdN=556.1
fwN=1.62
sdE=1271.6
fwE=1.82
20180502T011352.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.66
sdW=796.9
fwW=1.60
sdS=752.9
fwS=1.61
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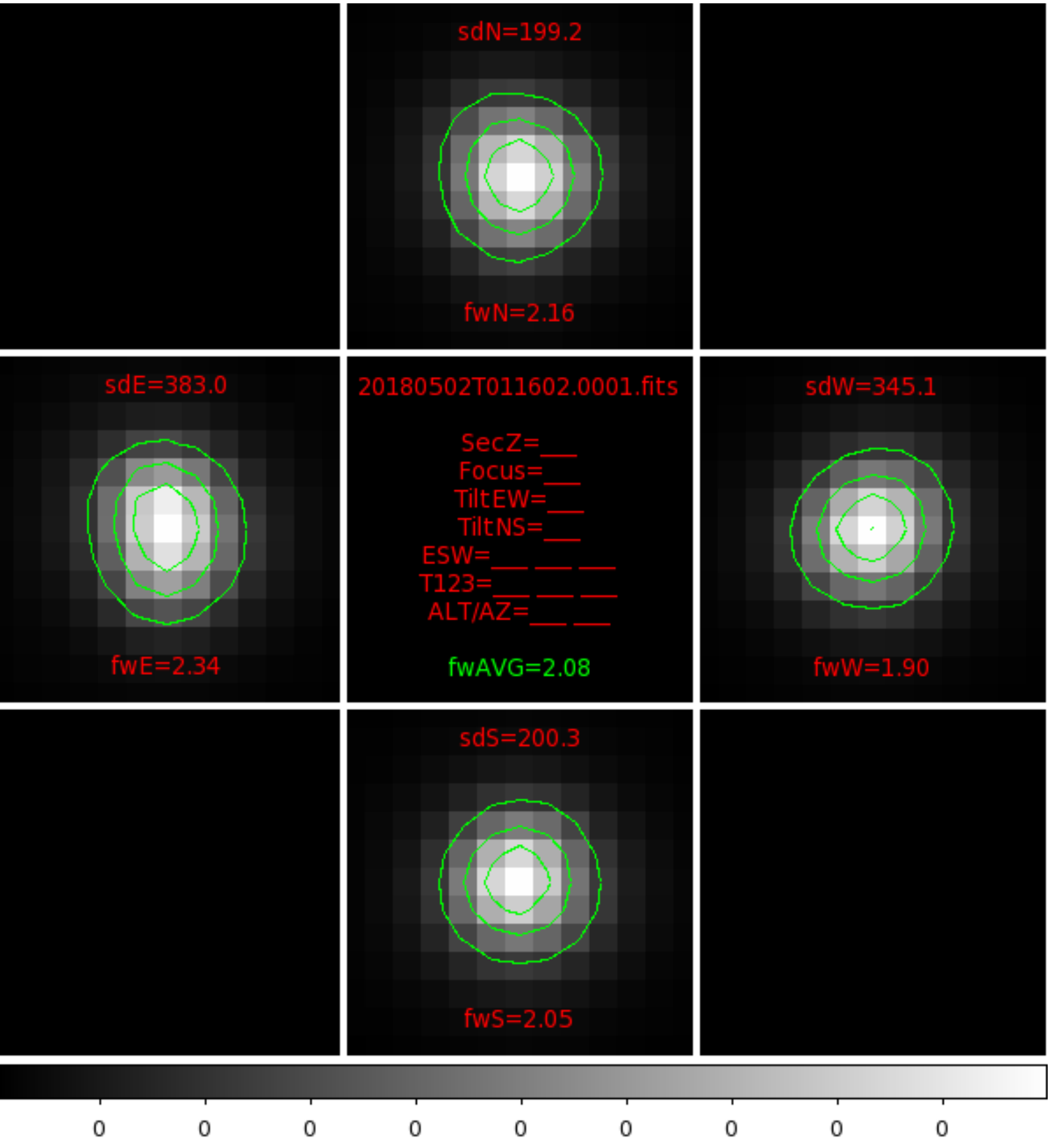
sdN=199.2
fwN=2.16
sdE=383.0
fwE=2.34
20180502T011602.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.08
sdW=345.1
fwW=1.90
sdS=200.3
fwS=2.05
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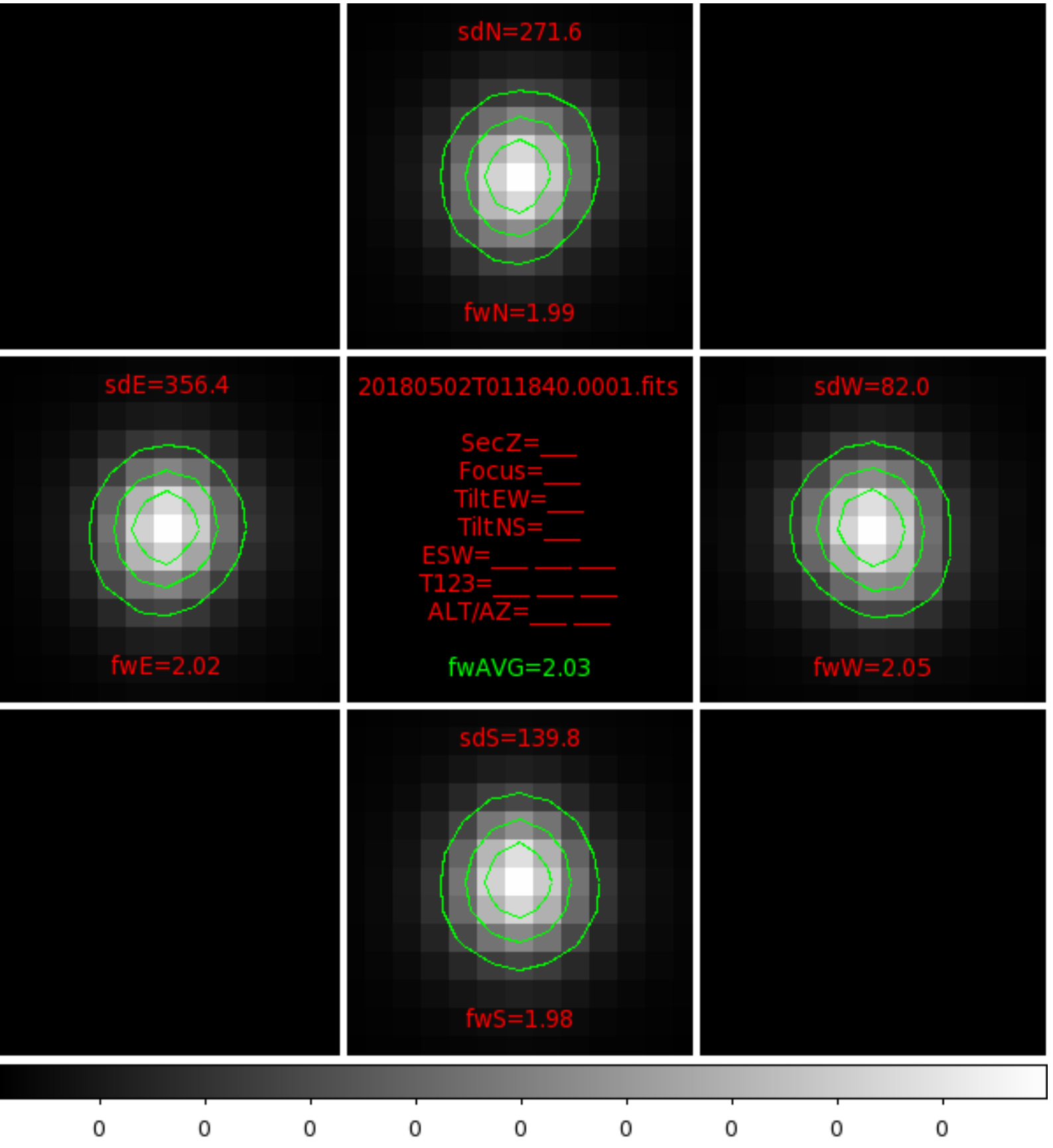
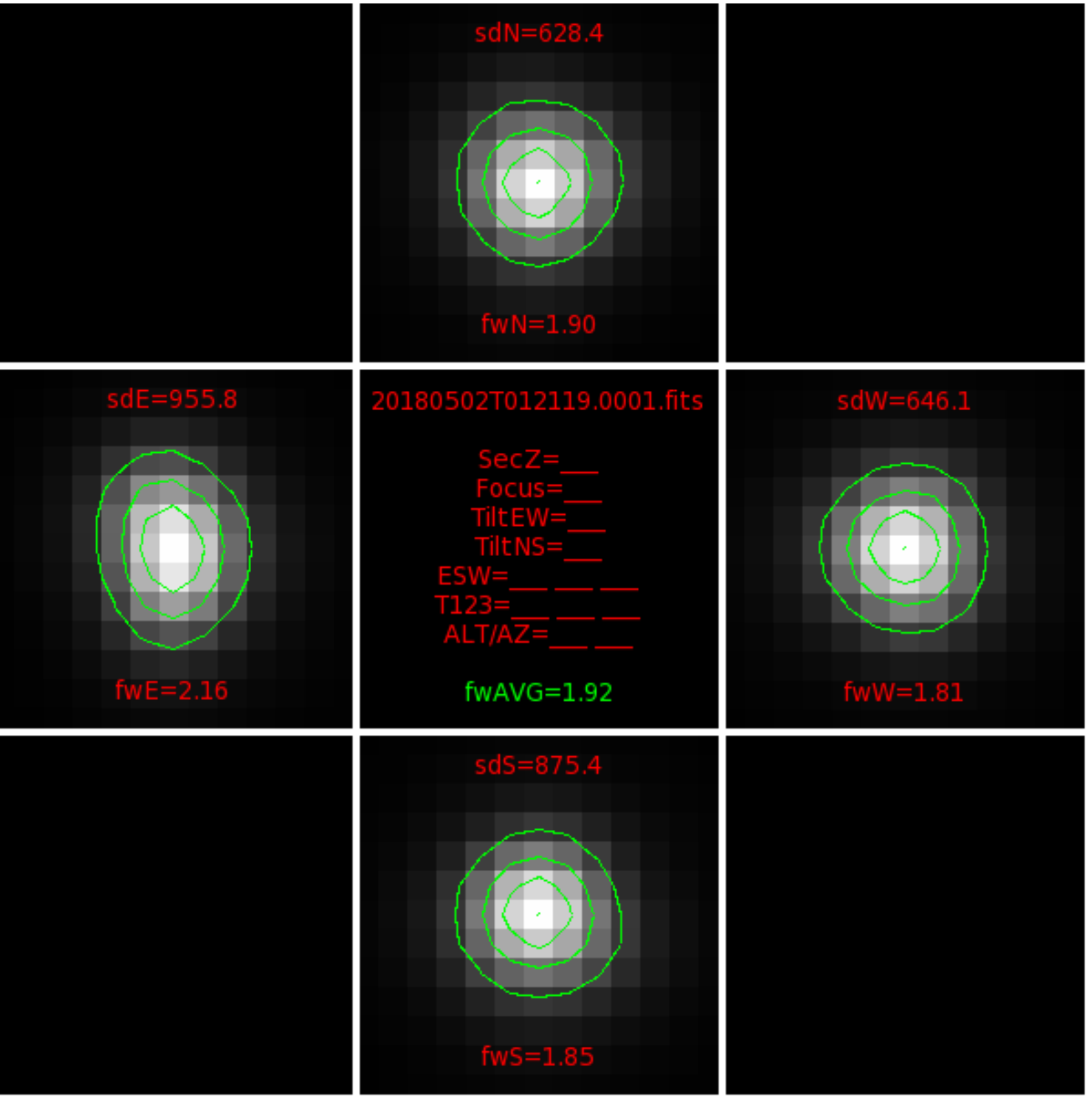
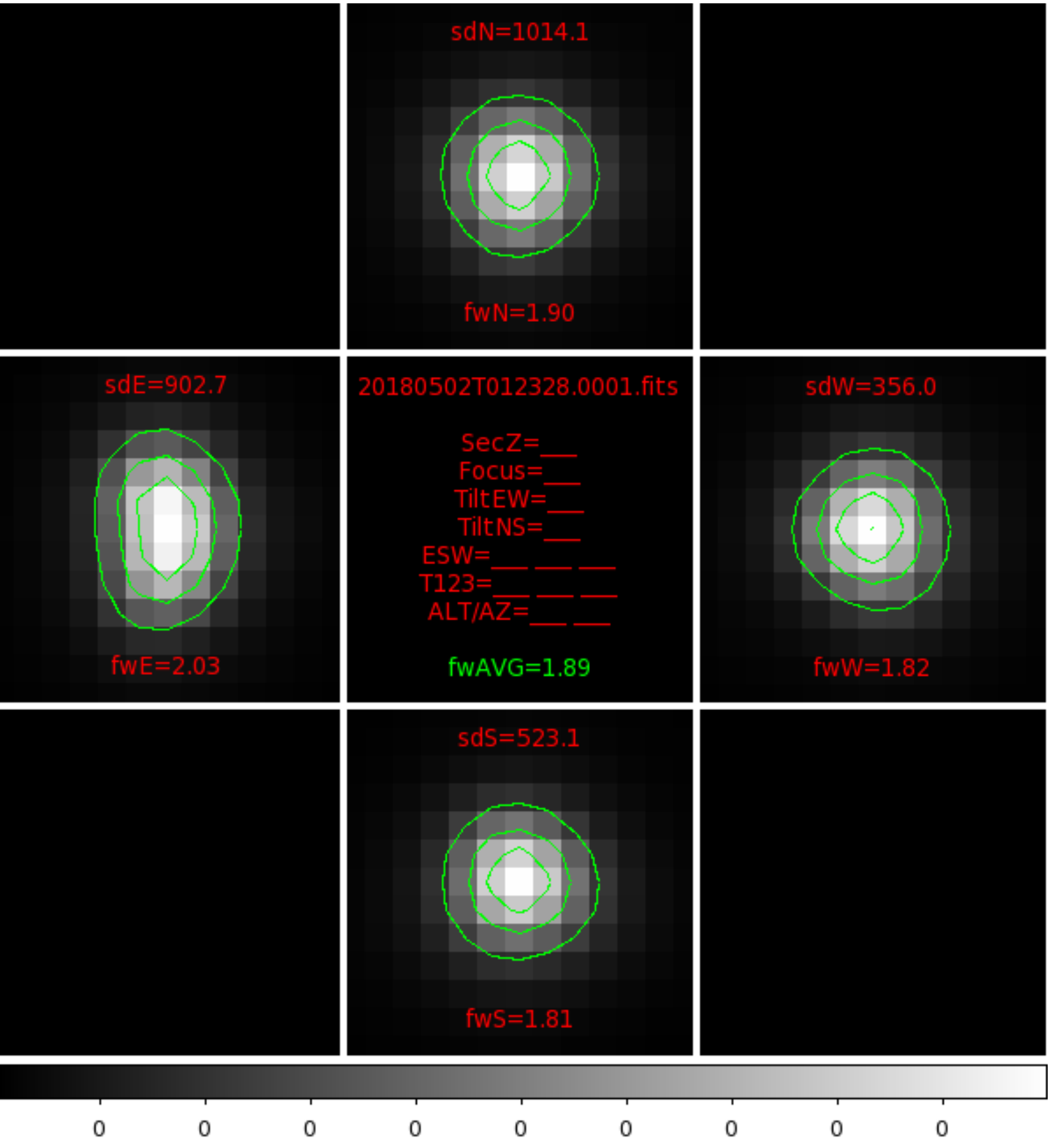

sdN=271.6
fwN=1.99
sdE=356.4
fwE=2.02
20180502T011840.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.03
sdW=82.0
fwW=2.05
sdS=139.8
fwS=1.98
0 0 0 0 0 0 0 0 0


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
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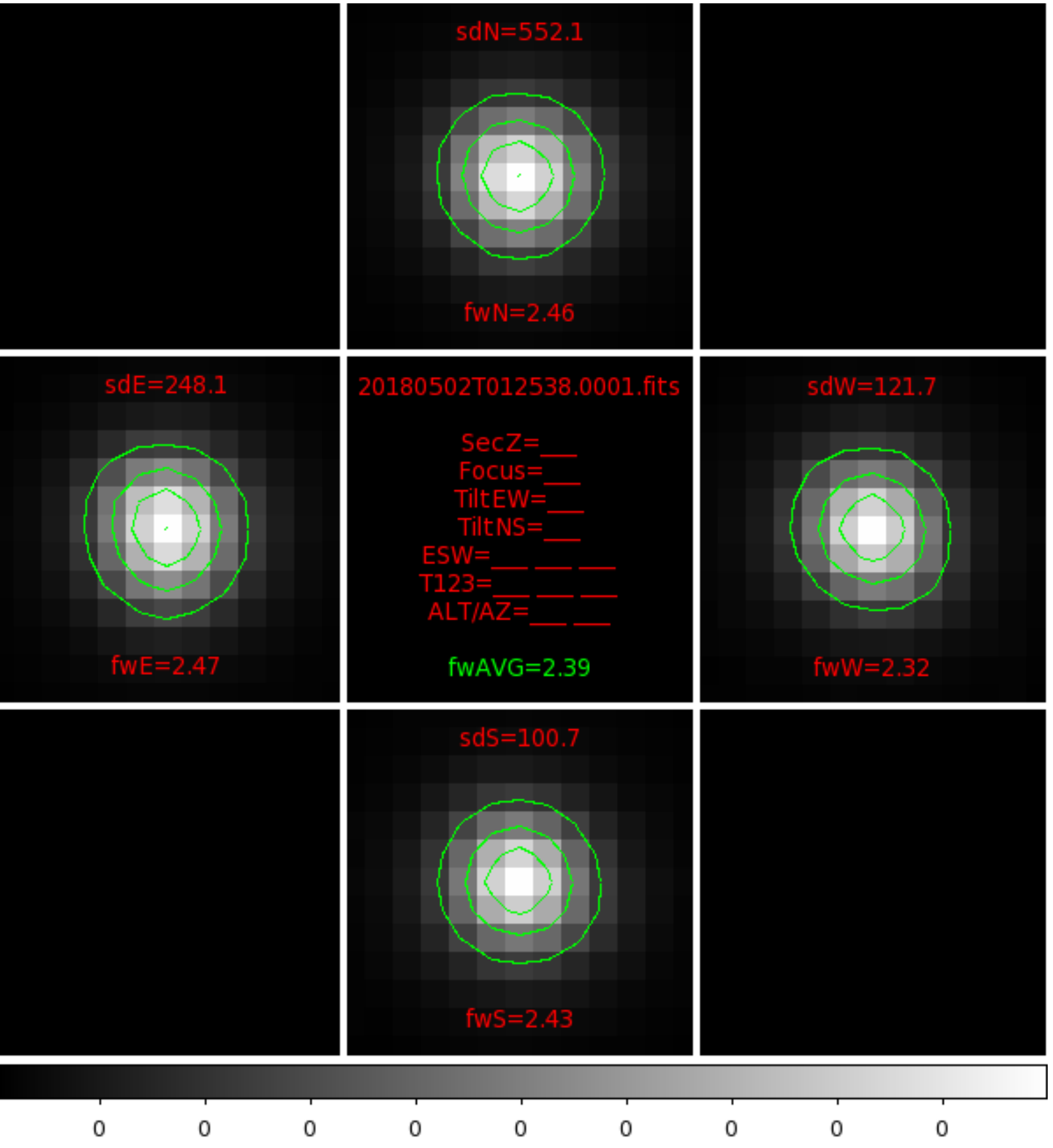
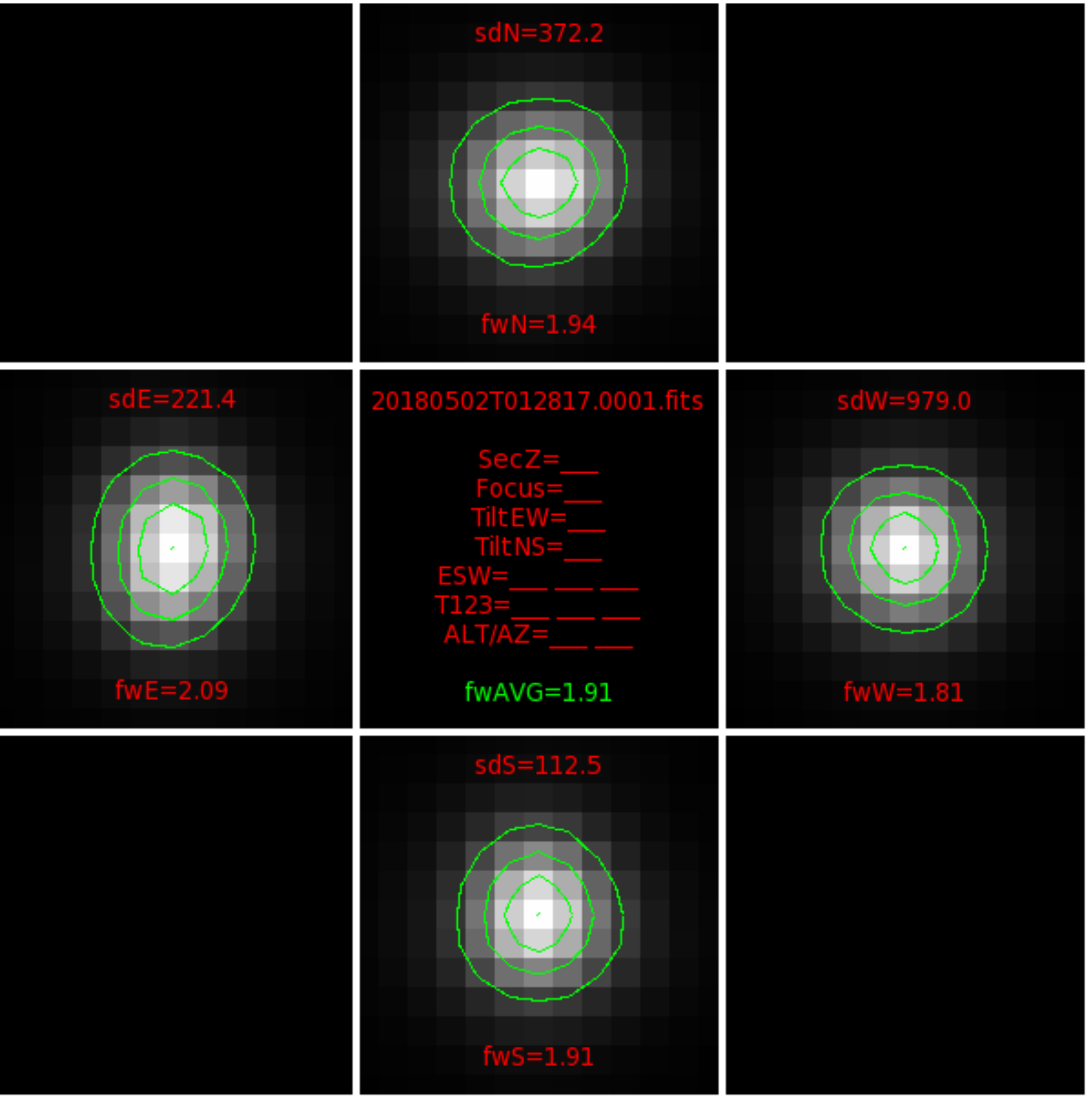
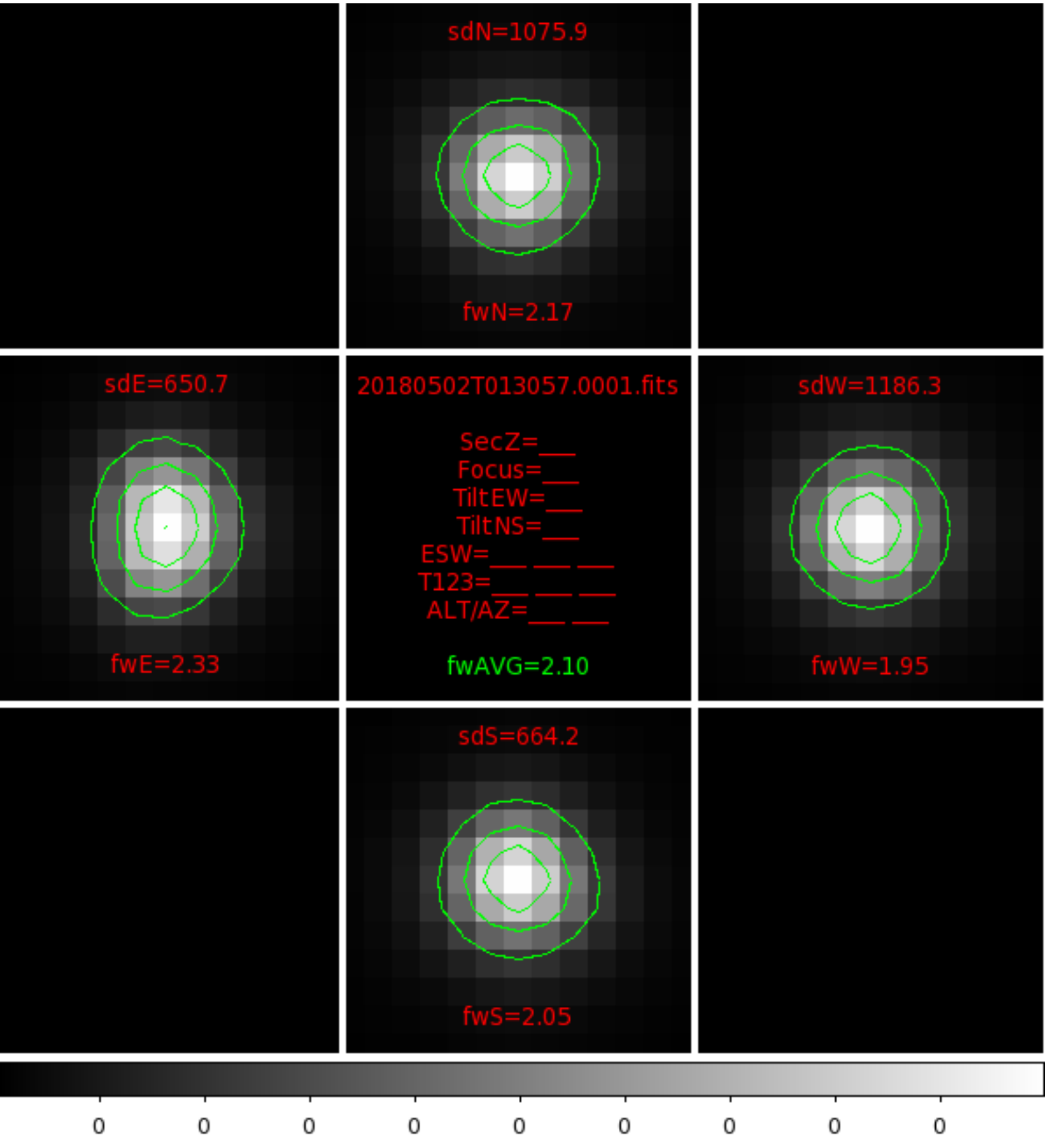
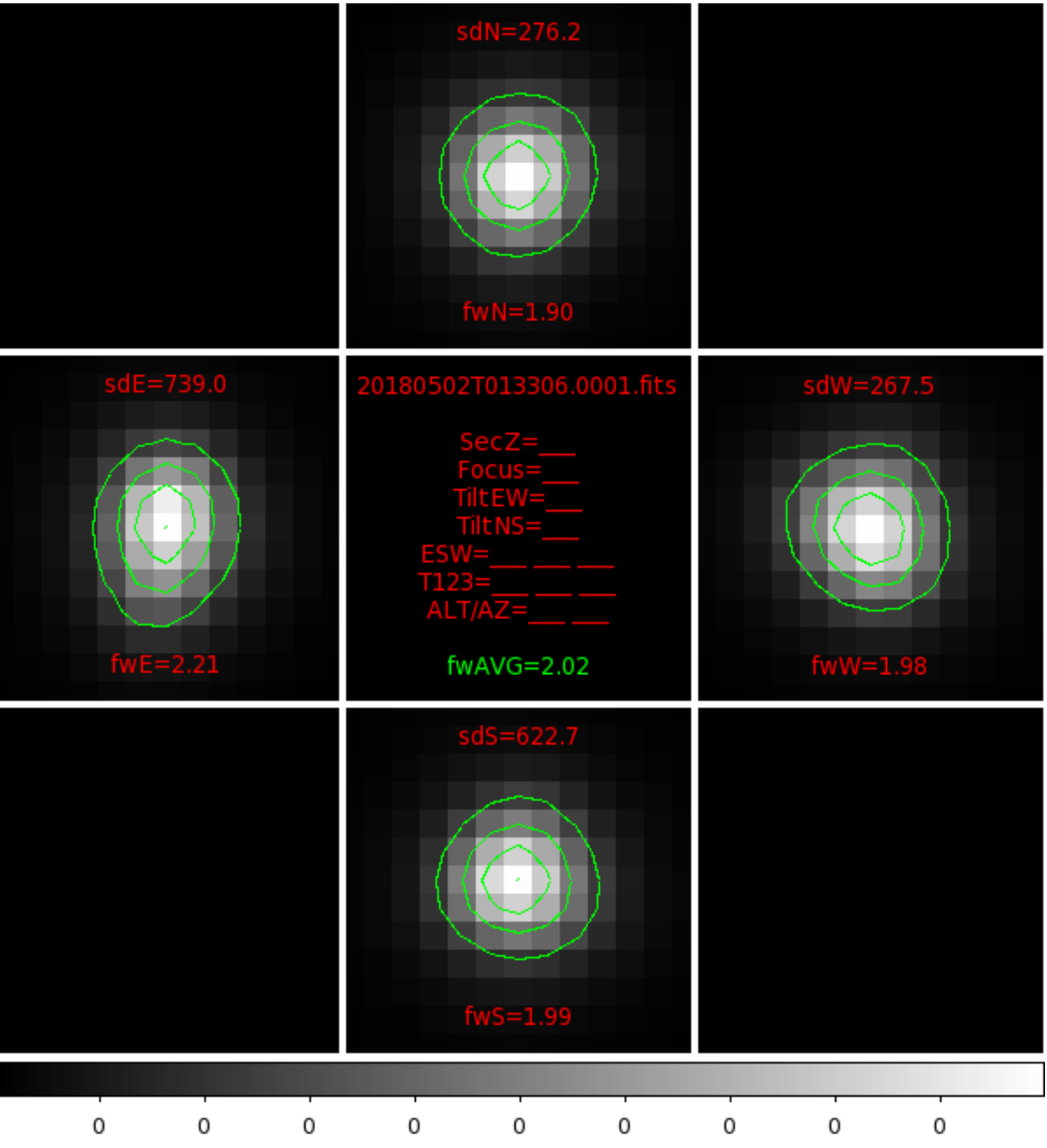

sdN=552.1
fwN=2.46
sdE=248.1
fwE=2.47
20180502T012538.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.39
sdW=121.7
fwW=2.32
sdS=100.7
fwS=2.43
0 0 0 0 0 0 0 0 0


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
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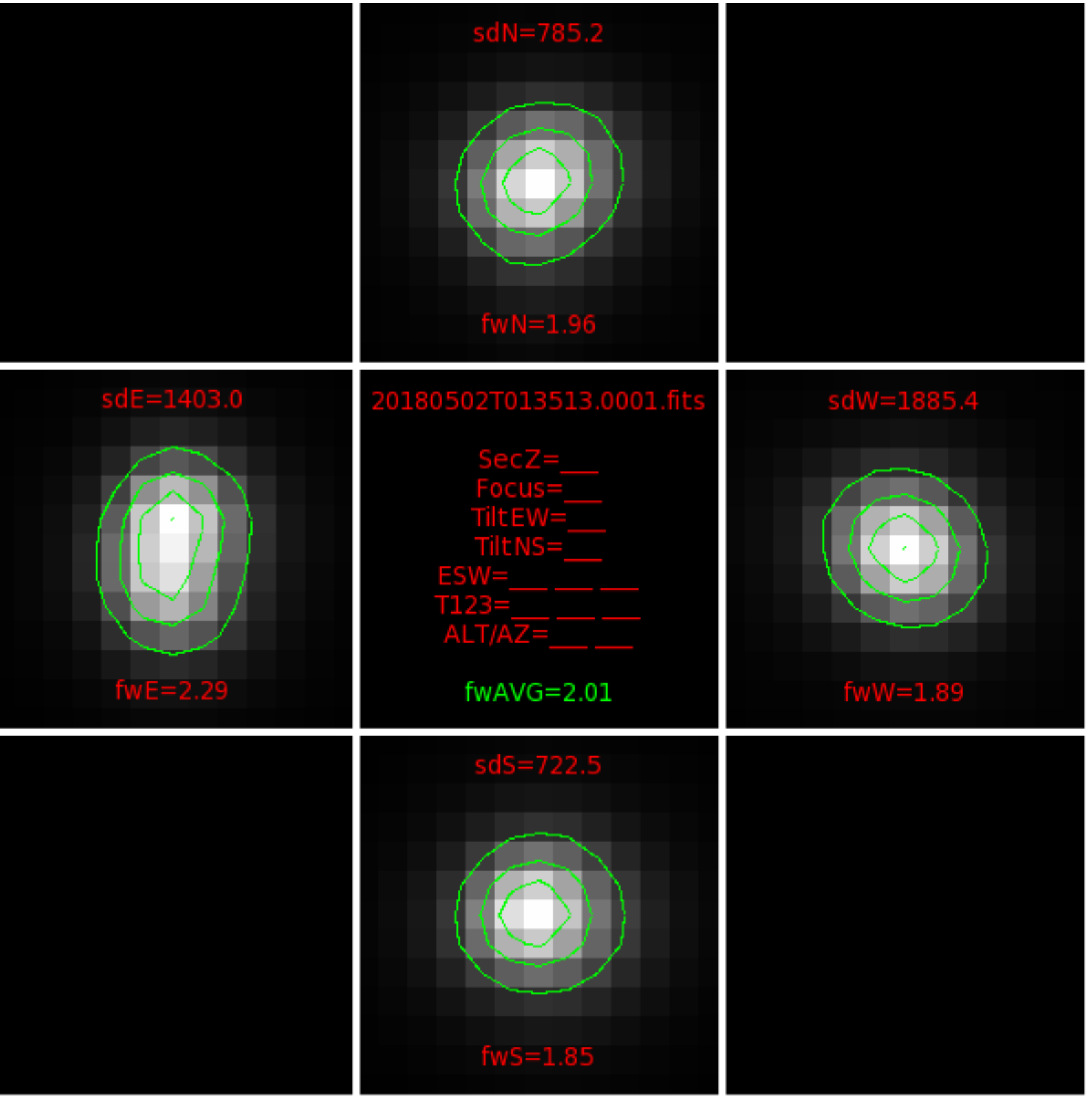
sdN=785.2
fwN=1.96
sdE=1403.0
fwE=2.29
20180502T013513.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.01
sdW=1885.4
fwW=1.89
sdS=722.5
fwS=1.85
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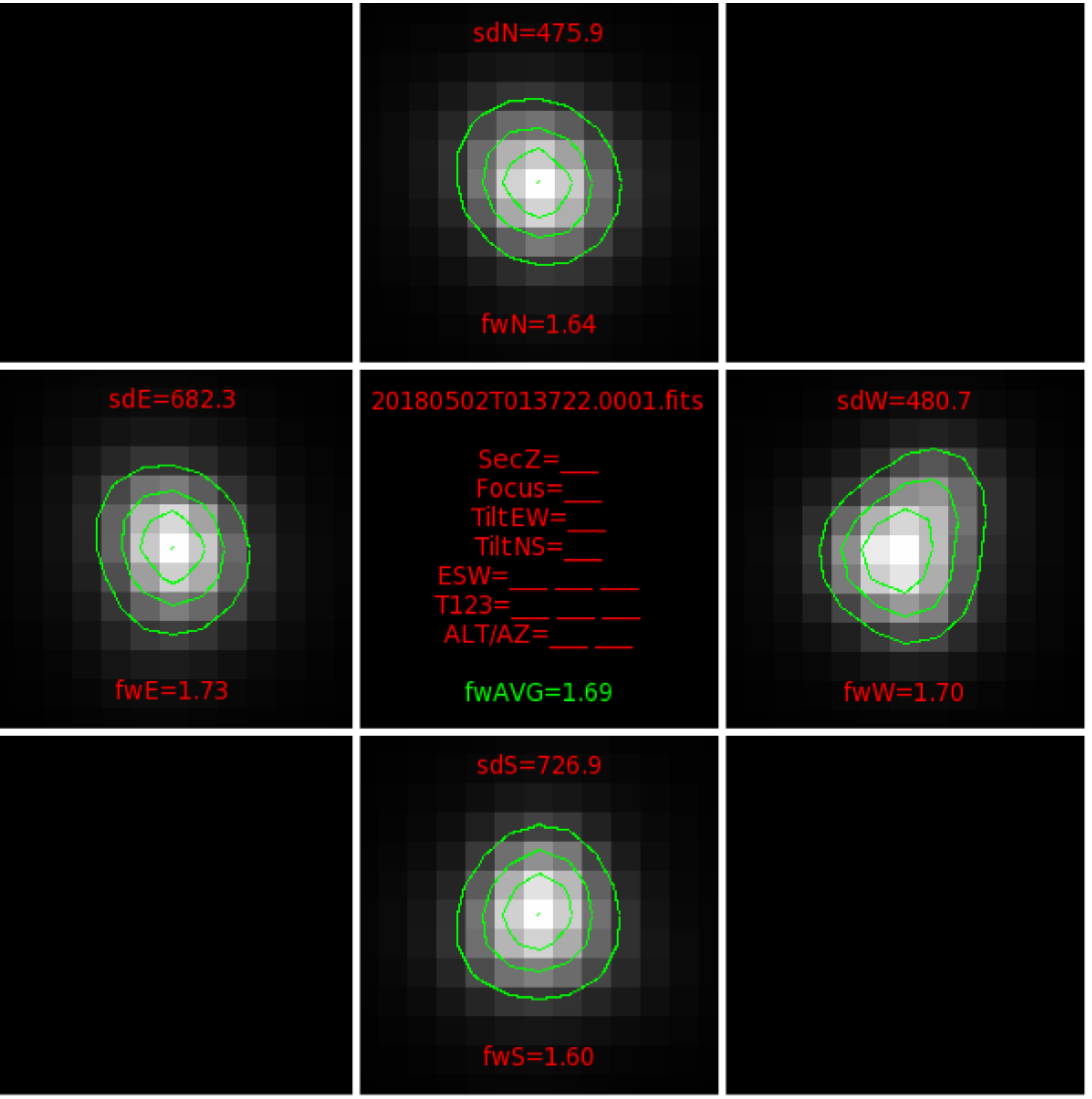
sdN=475.9
fwN=1.64
sdE=682.3
fwE=1.73
20180502T013722.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.69
sdW=480.7
fwW=1.70
sdS=726.9
fwS=1.60
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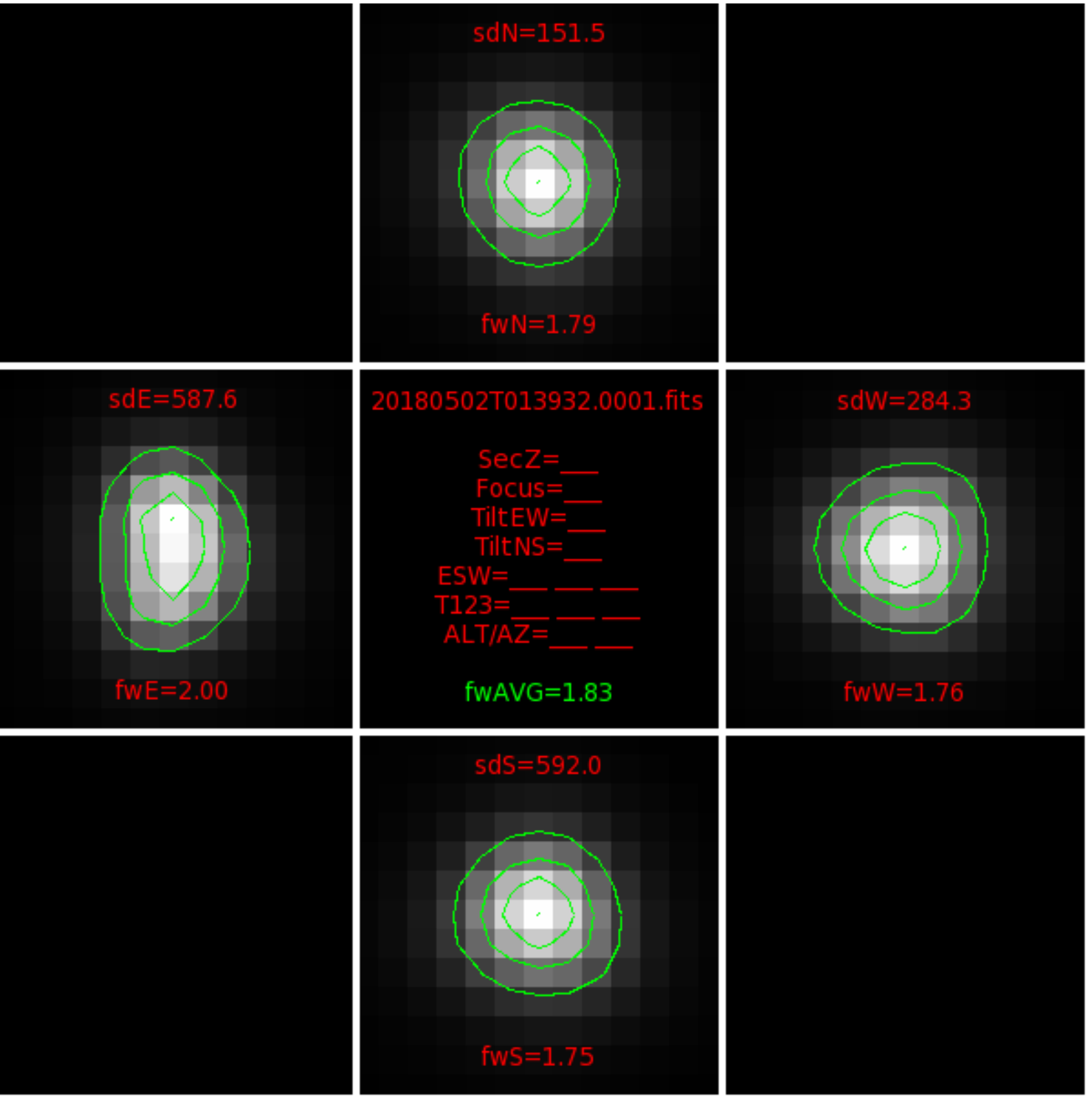
sdN=151.5
fwN=1.79
sdE=587.6
fwE=2.00
20180502T013932.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.83
sdW=284.3
fwW=1.76
sdS=592.0
fwS=1.75
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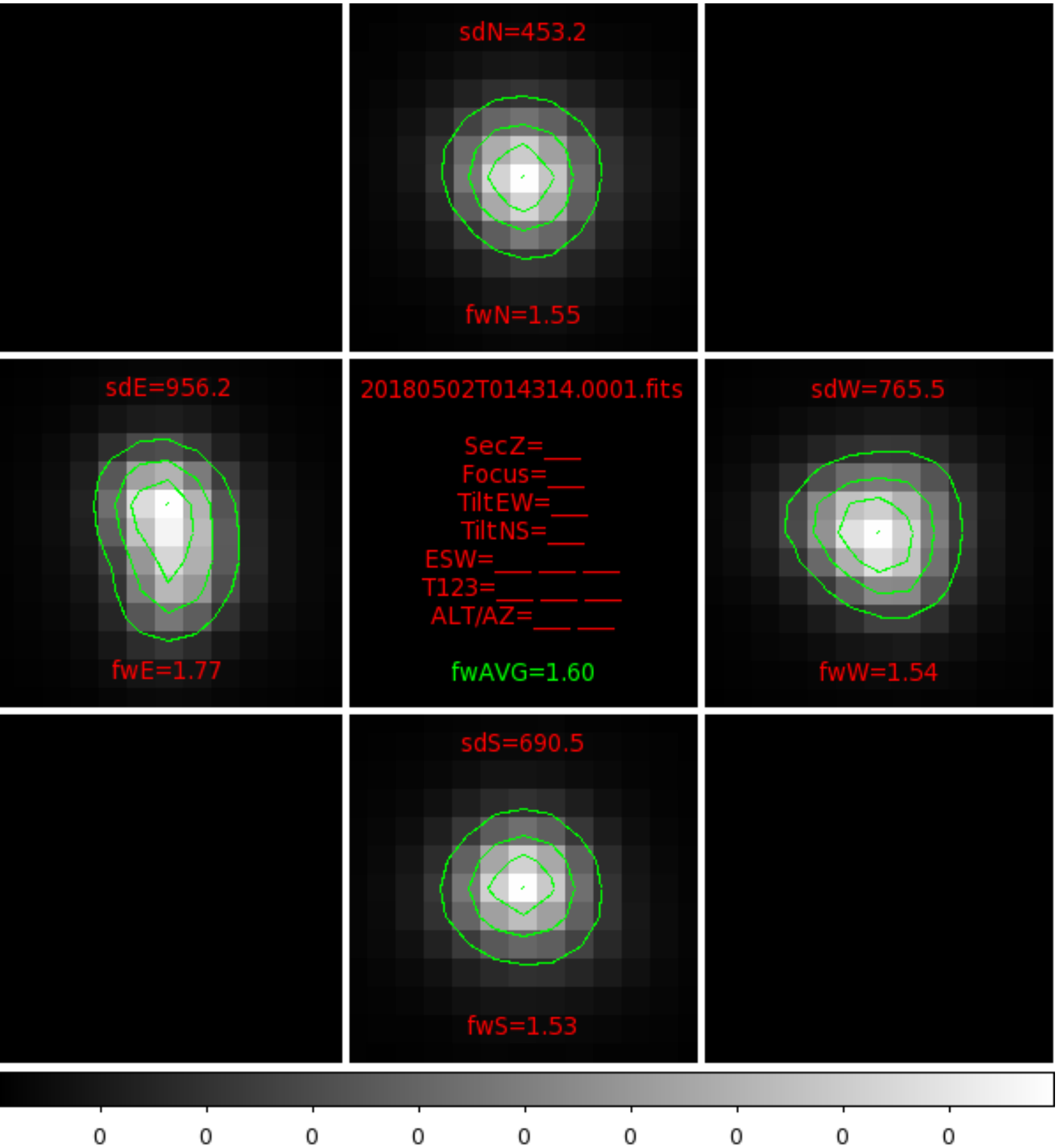
sdN=453.2
fwN=1.55
sdE=956.2
fwE=1.77
20180502T014314.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.60
sdW=765.5
fwW=1.54
sdS=690.5
fwS=1.53
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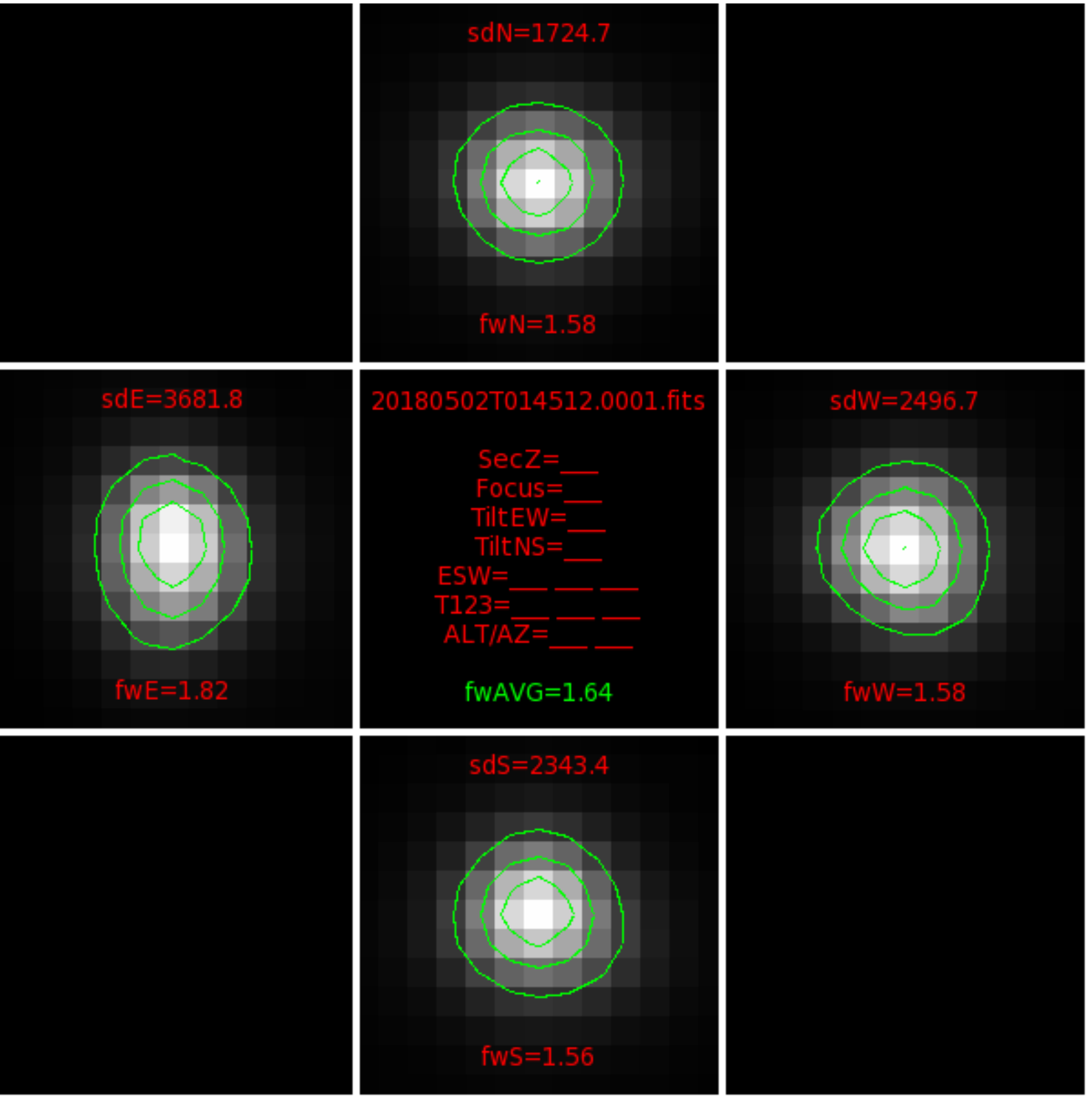
sdN=1724.7
fwN=1.58
sdE=3681.8
fwE=1.82
20180502T014512.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.64
sdW=2496.7
fwW=1.58
sdS=2343.4
fwS=1.56
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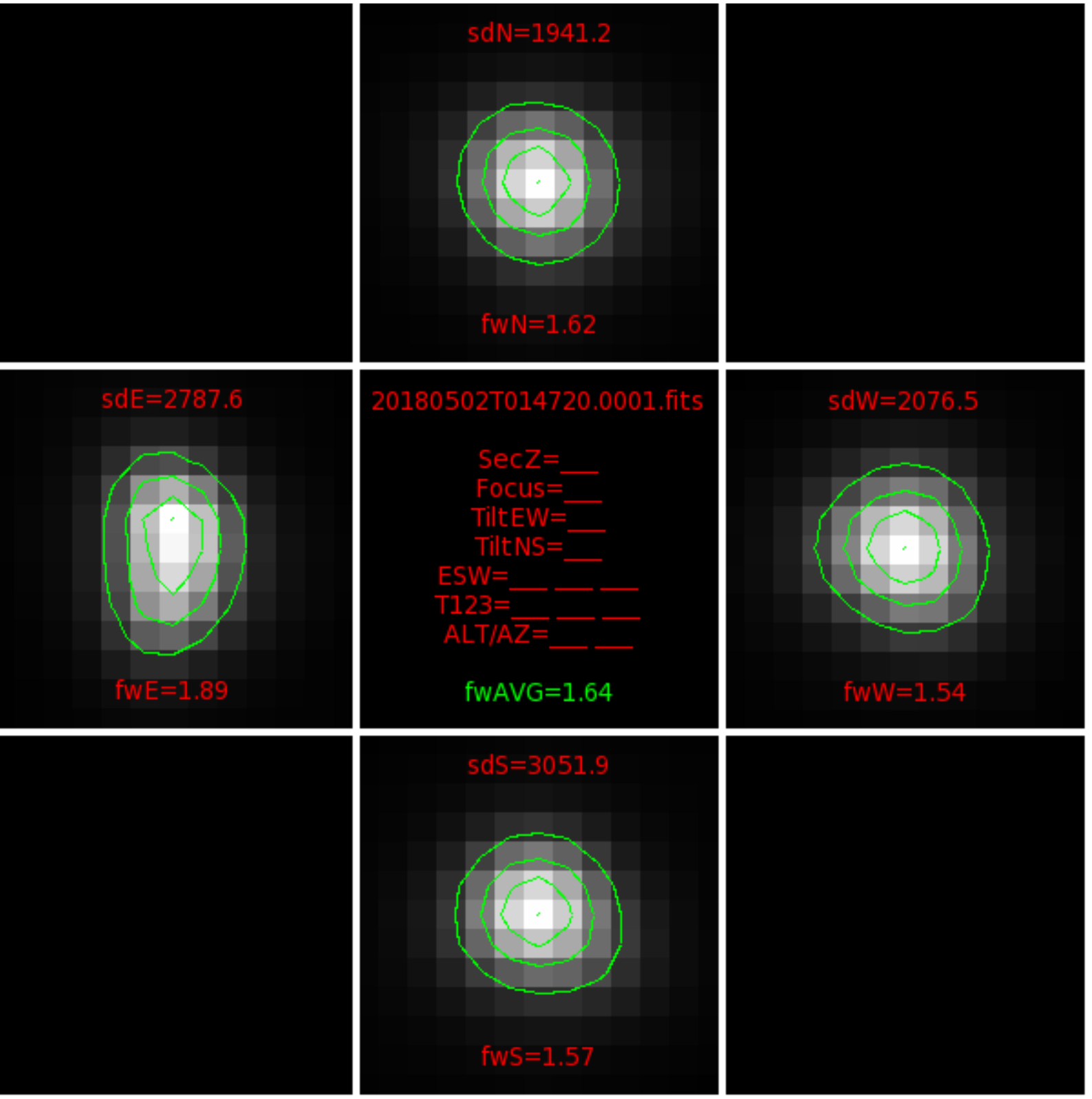
sdN=1941.2
fwN=1.62
sdE=2787.6
fwE=1.89
20180502T014720.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.64
sdW=2076.5
fwW=1.54
sdS=3051.9
fwS=1.57
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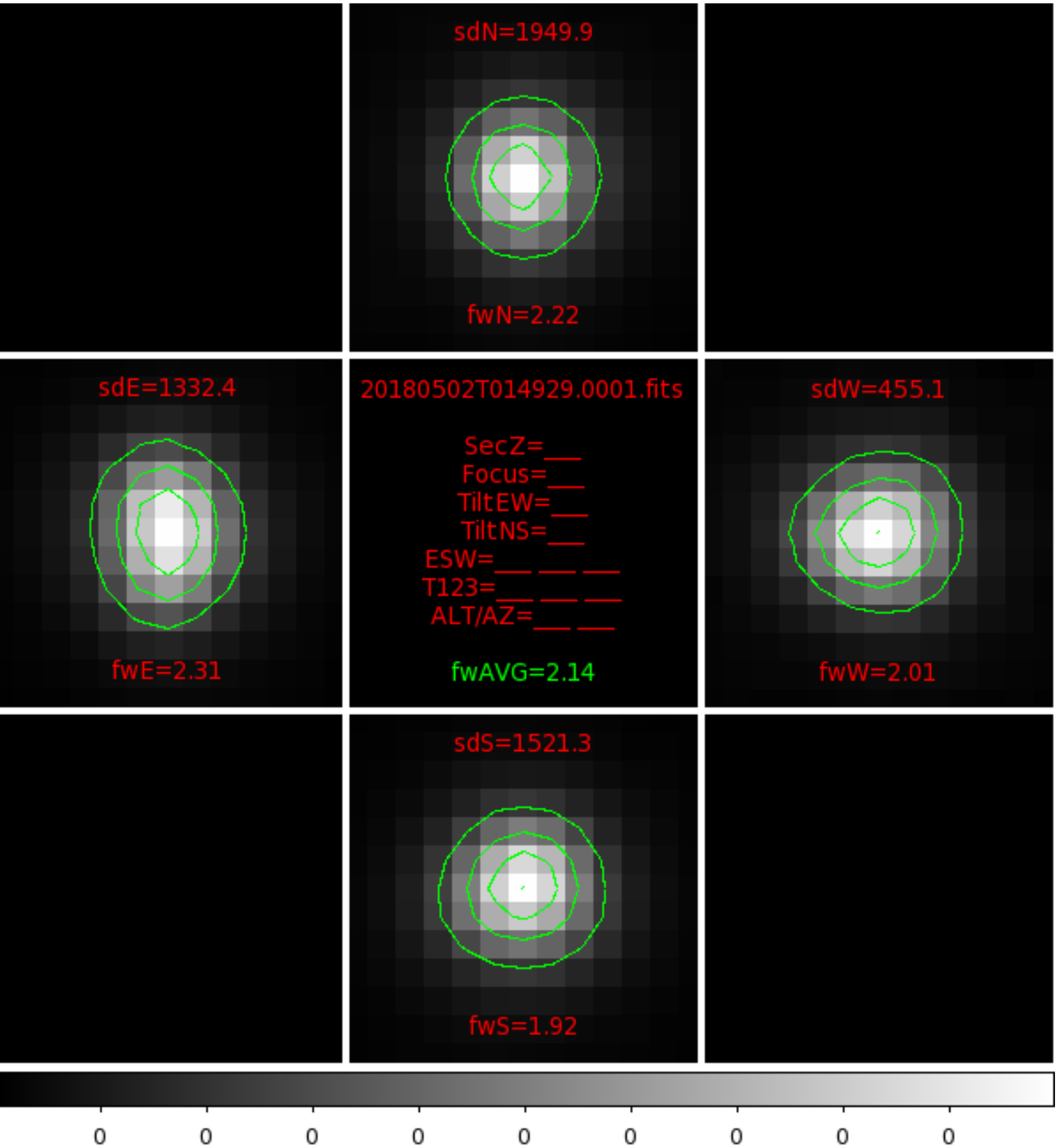
sdN=1949.9
fwN=2.22
sdE=1332.4
fwE=2.31
20180502T014929.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.14
sdW=455.1
fwW=2.01
sdS=1521.3
fwS=1.92
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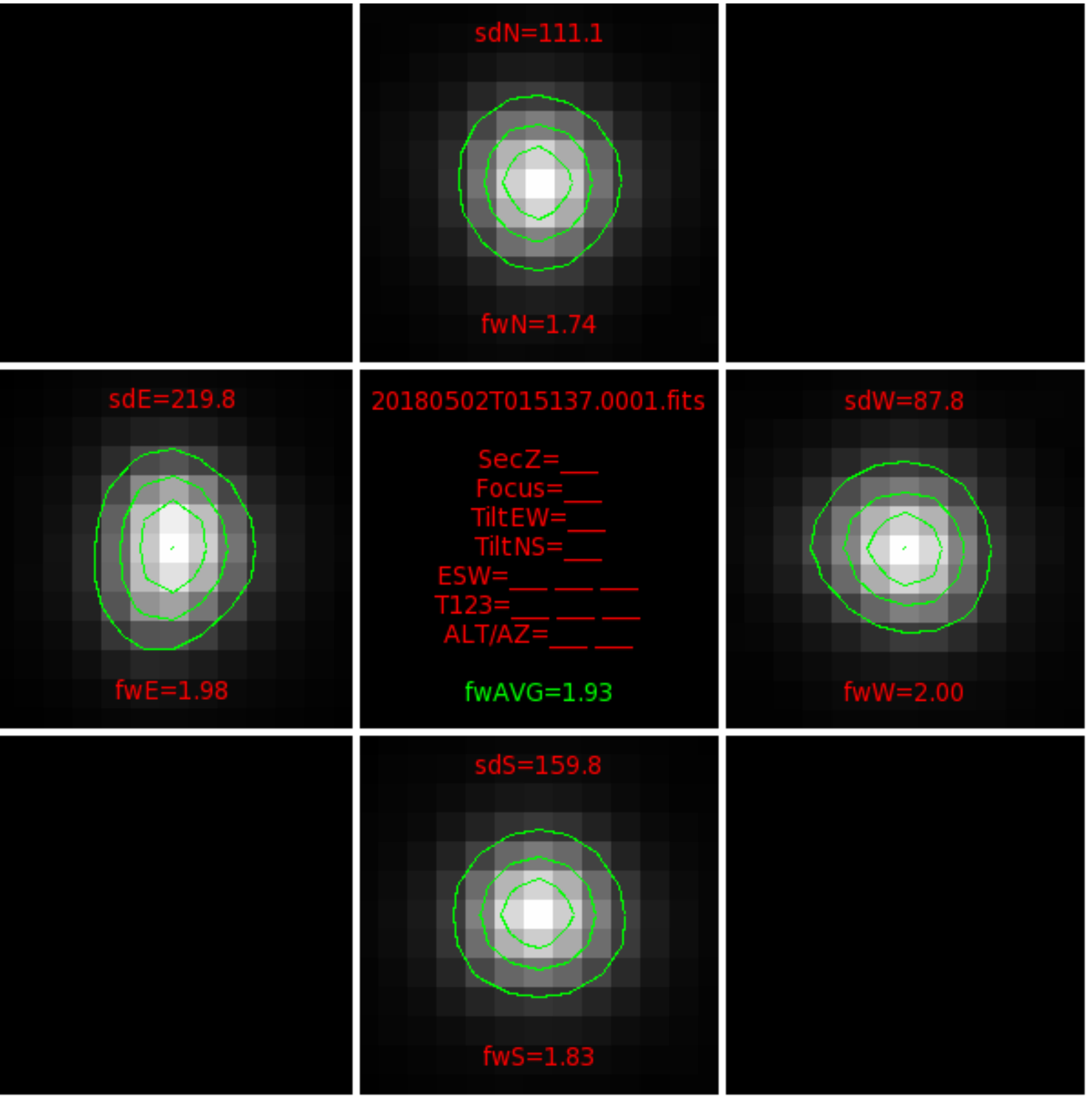
sdN=111.1
fwN=1.74
sdE=219.8
fwE=1.98
20180502T015137.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.93
sdW=87.8
fwW=2.00
sdS=159.8
fwS=1.83
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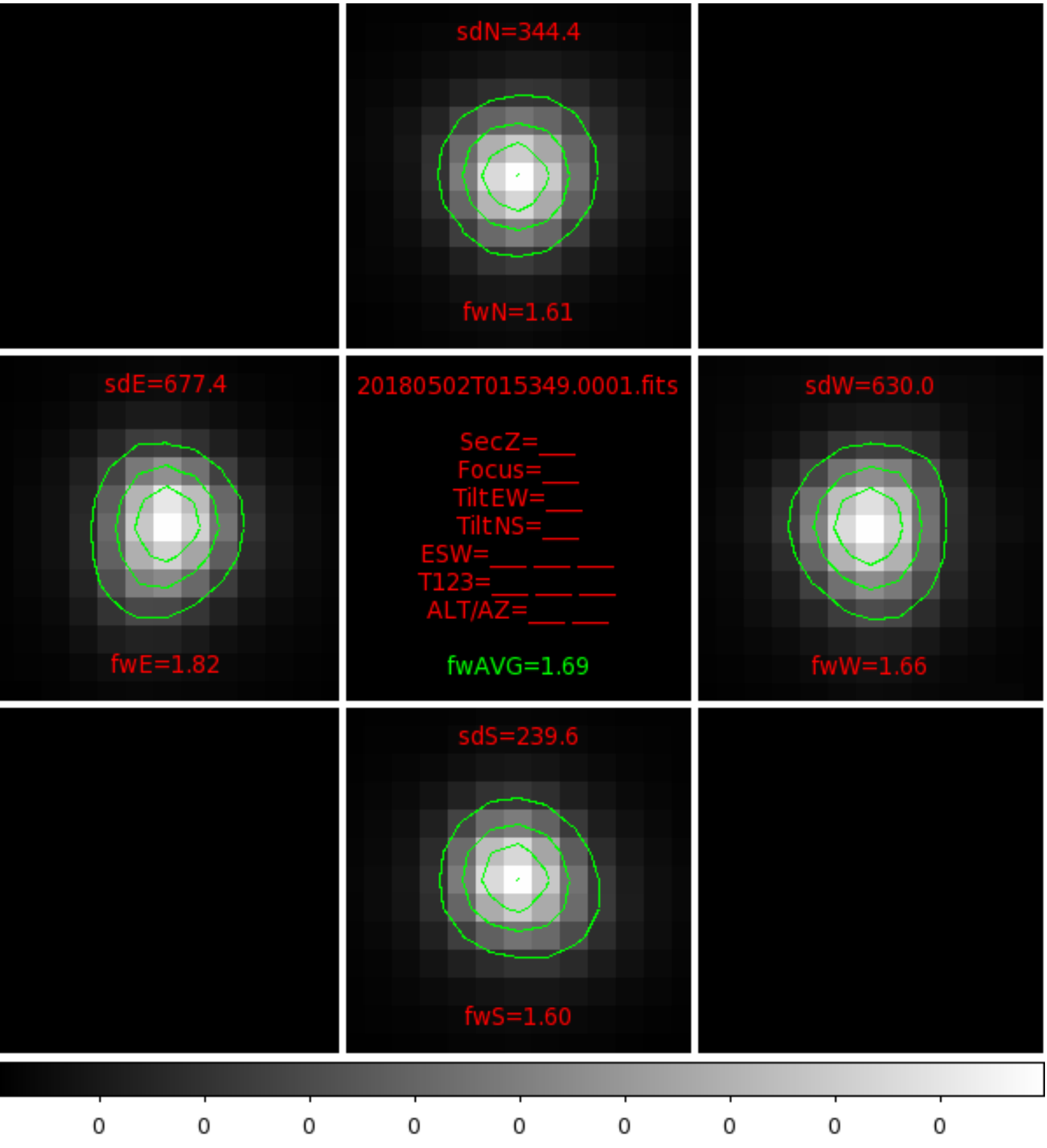
sdN=344.4
fwN=1.61
sdE=677.4
fwE=1.82
20180502T015349.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.69
sdW=630.0
fwW=1.66
sdS=239.6
fwS=1.60
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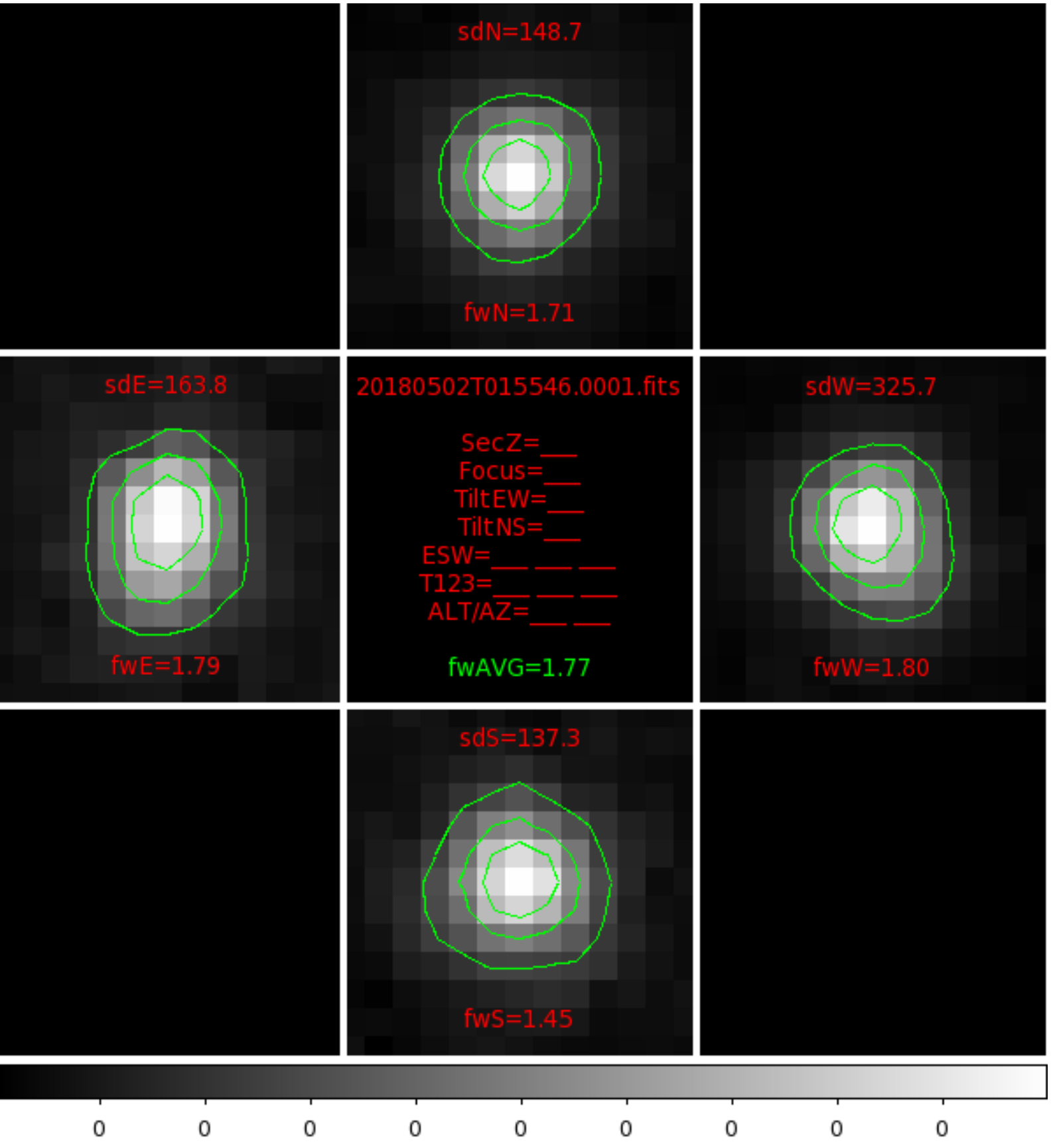
sdN=148.7
fwN=1.71
sdE=163.8
fwE=1.79
20180502T015546.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.77
sdW=325.7
fwW=1.80
sdS=137.3
fwS=1.45
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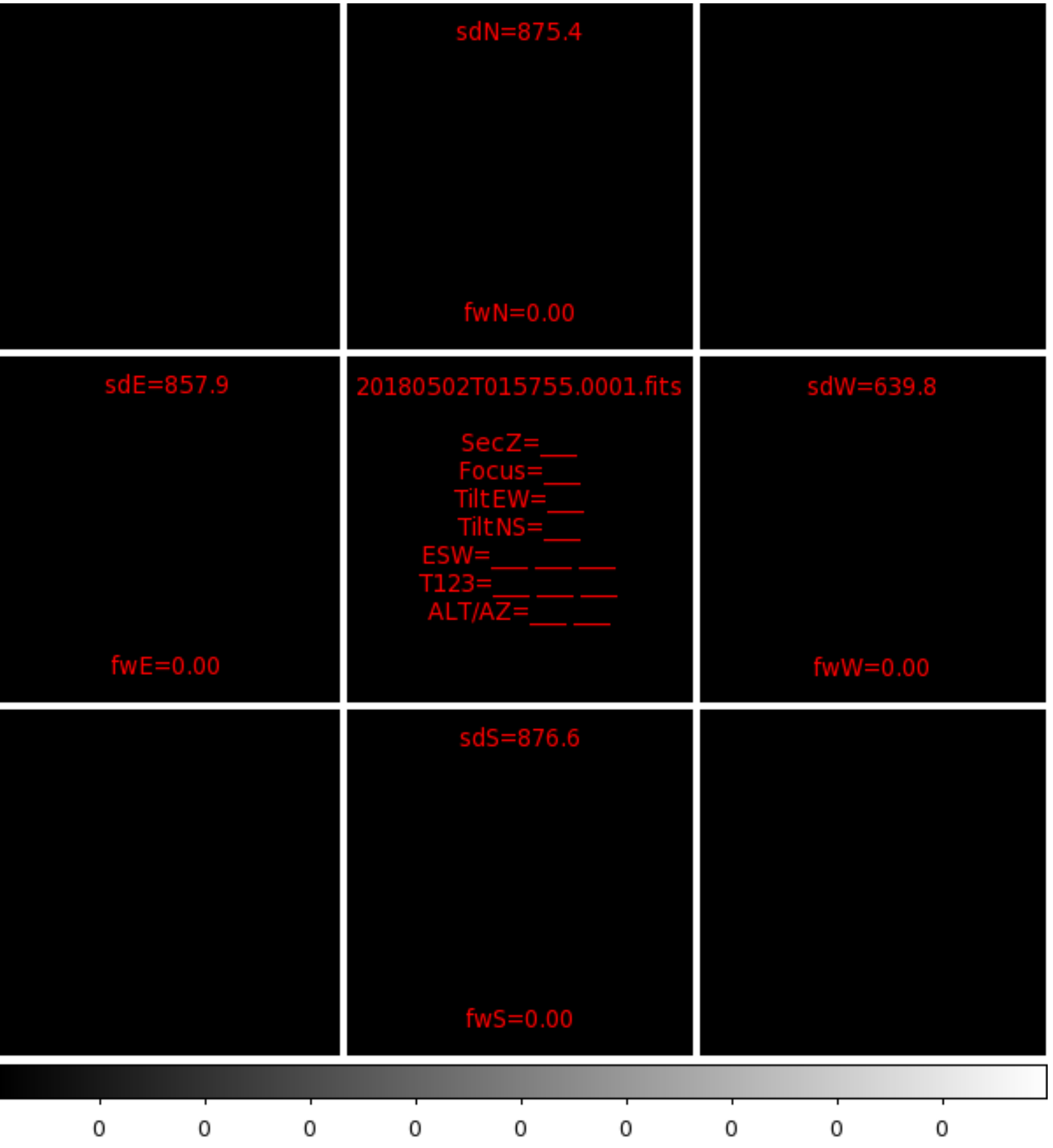
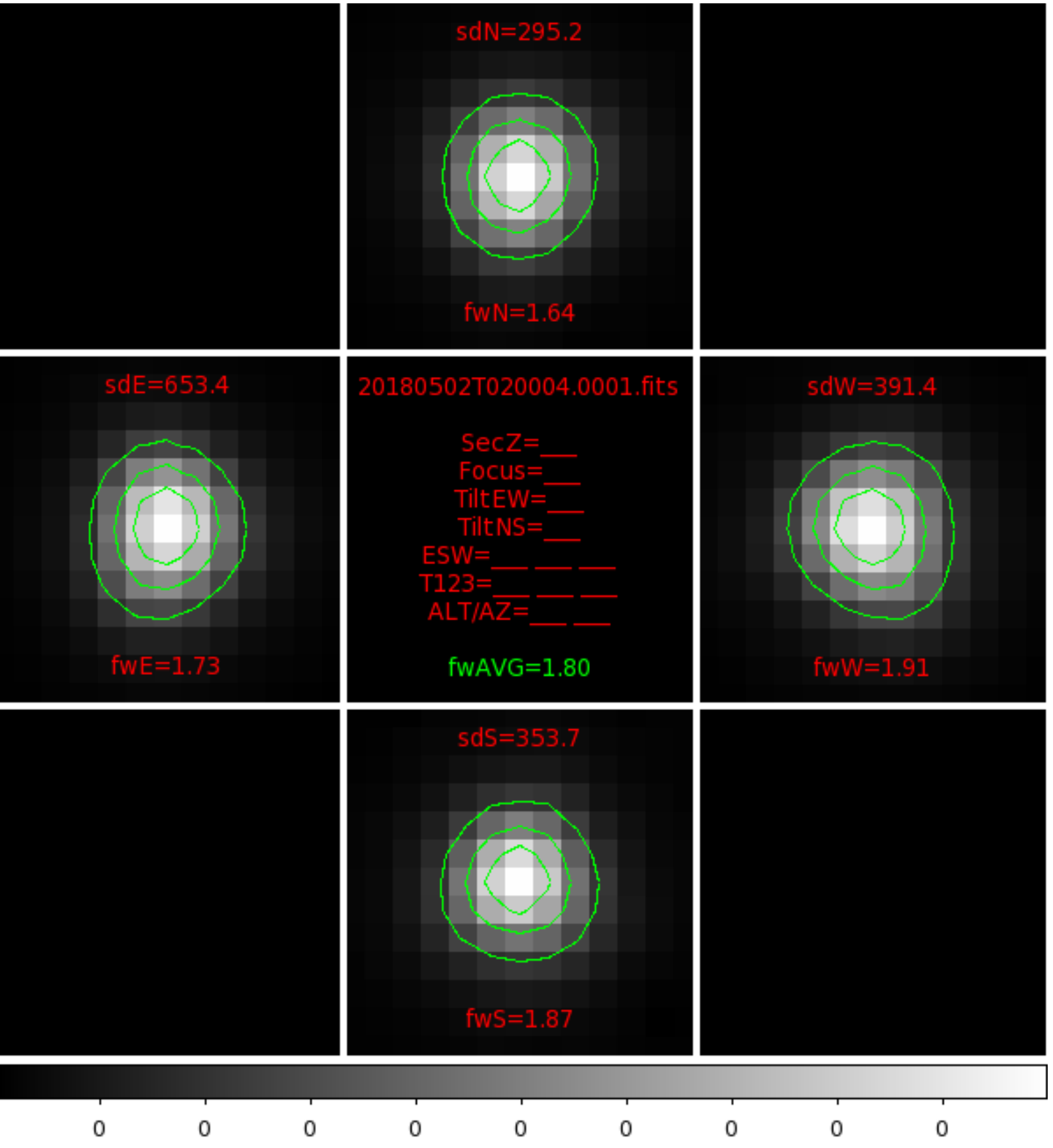
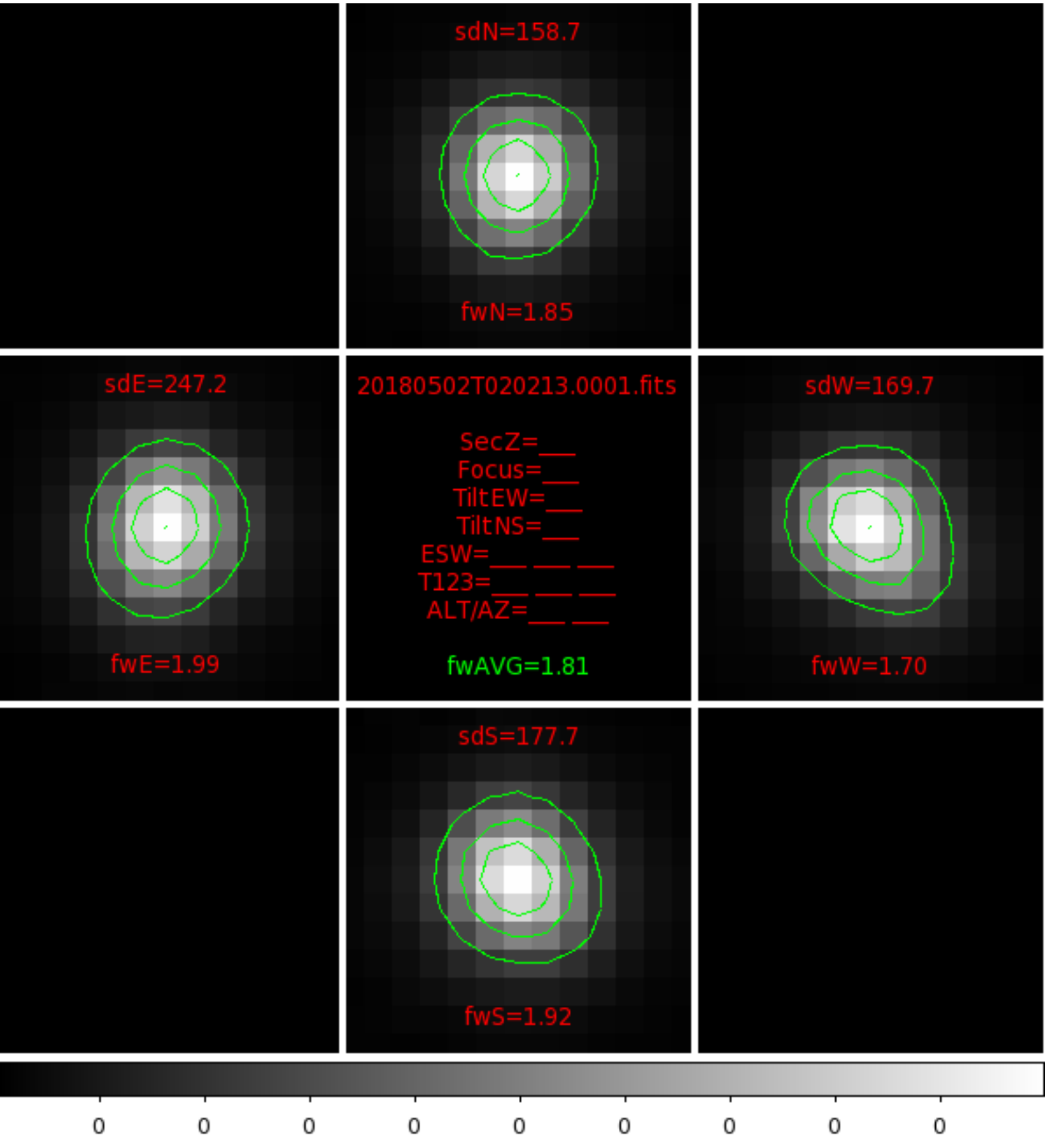

sdN=875.4
fwN=0.00
sdE=857.9
20180502T015755.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=639.8
fwE=0.00
fwW=0.00
sdS=876.6
fwS=0.00
0 0 0 0 0 0 0 0 0


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
0 0 0 0 0 0 0 0 0


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
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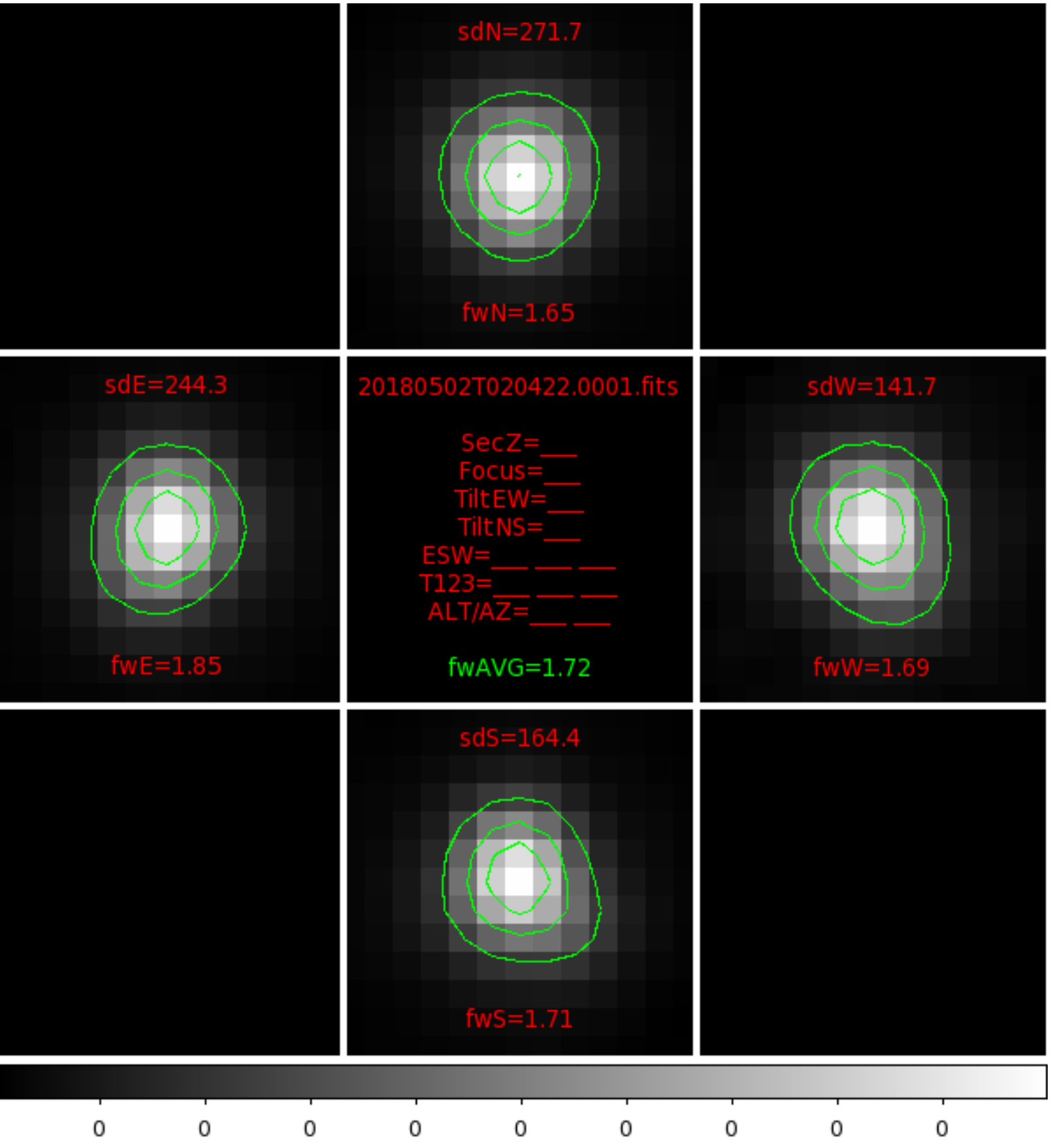
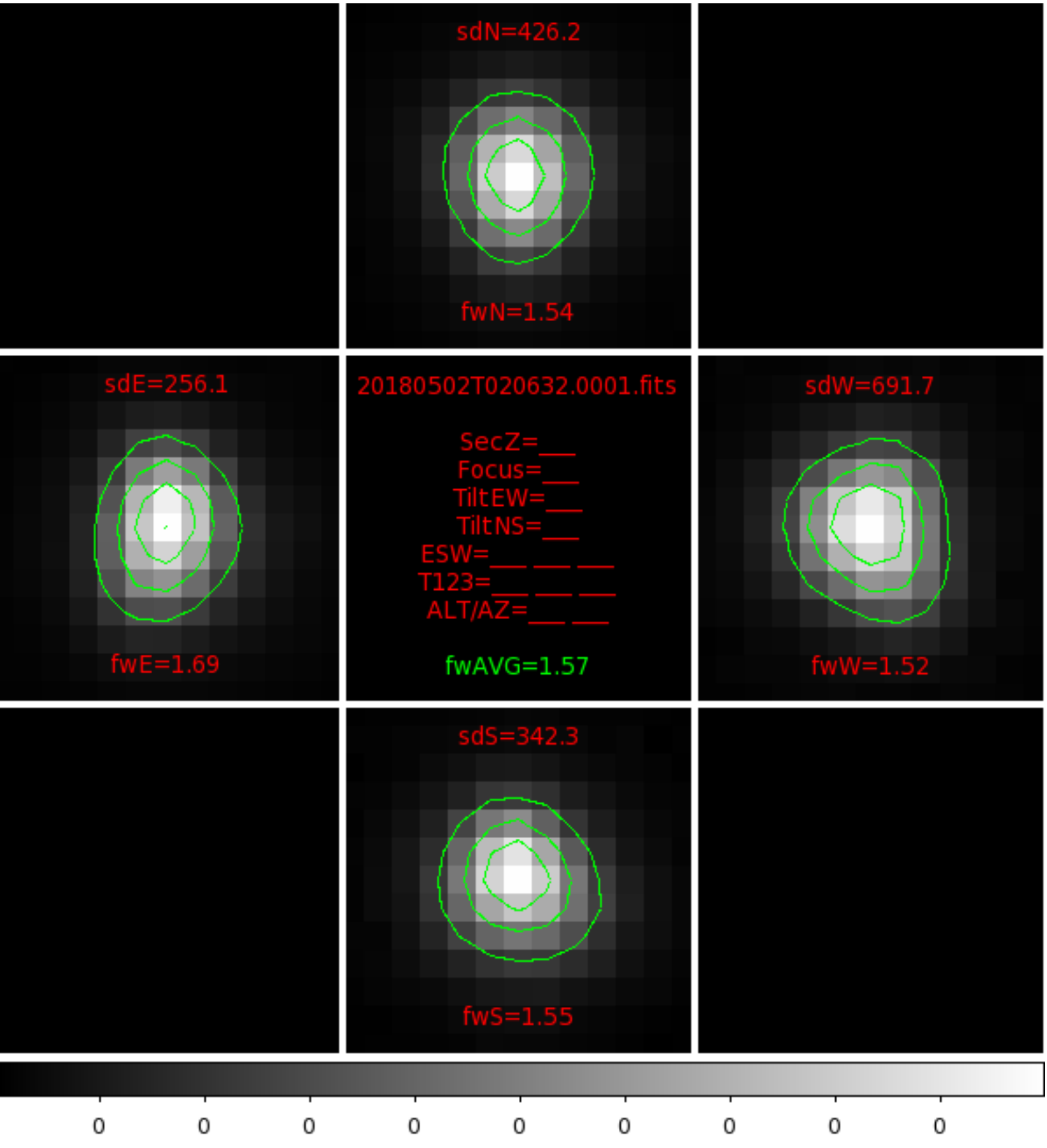

sdN=271.7
fwN=1.65
sdE=244.3
fwE=1.85
20180502T020422.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.72
sdW=141.7
fwW=1.69
sdS=164.4
fwS=1.71
0 0 0 0 0 0 0 0 0


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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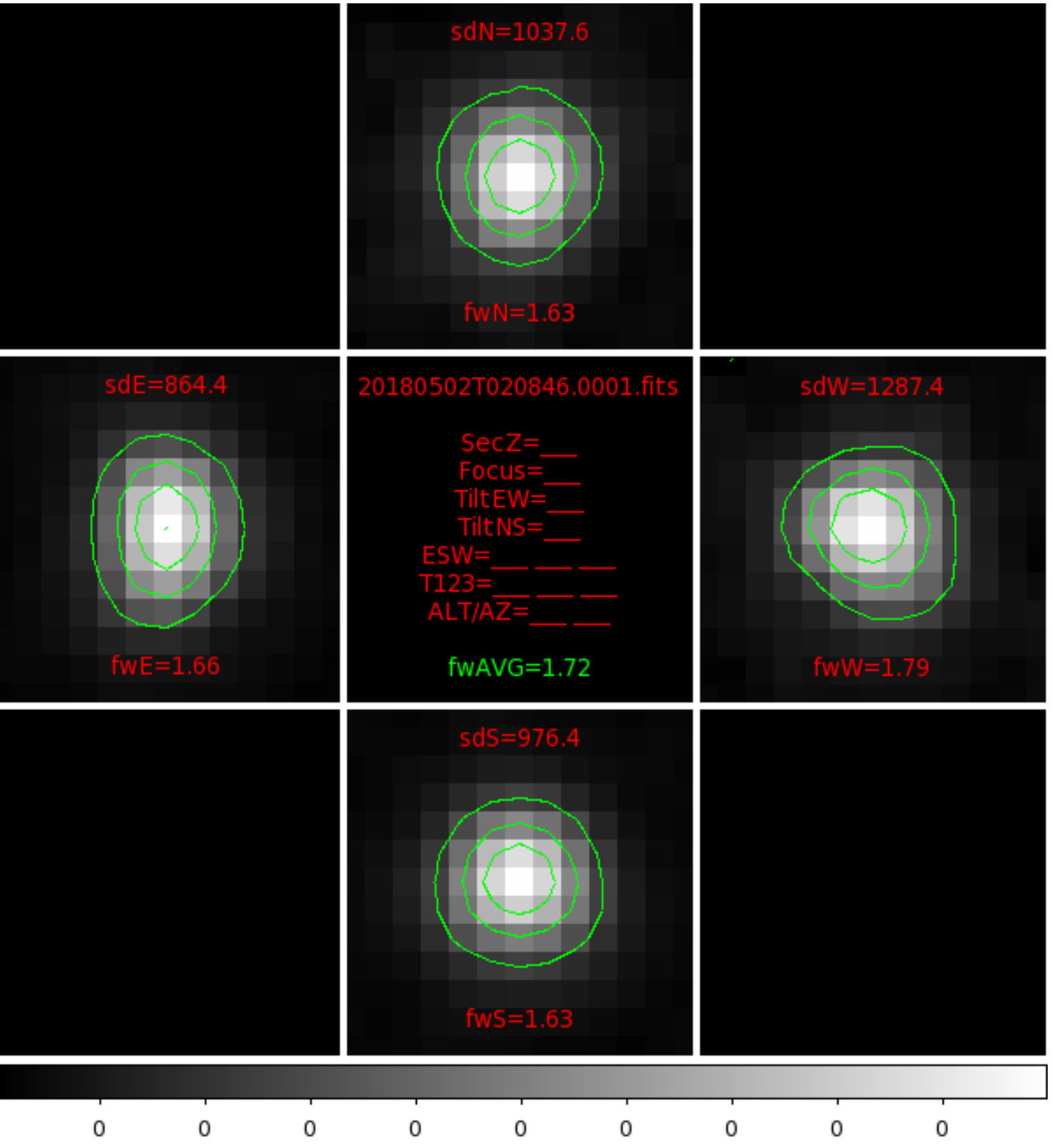
sdN=1037.6
fwN=1.63
sdE=864.4
fwE=1.66
20180502T020846.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.72
sdW=1287.4
fwW=1.79
sdS=976.4
fwS=1.63
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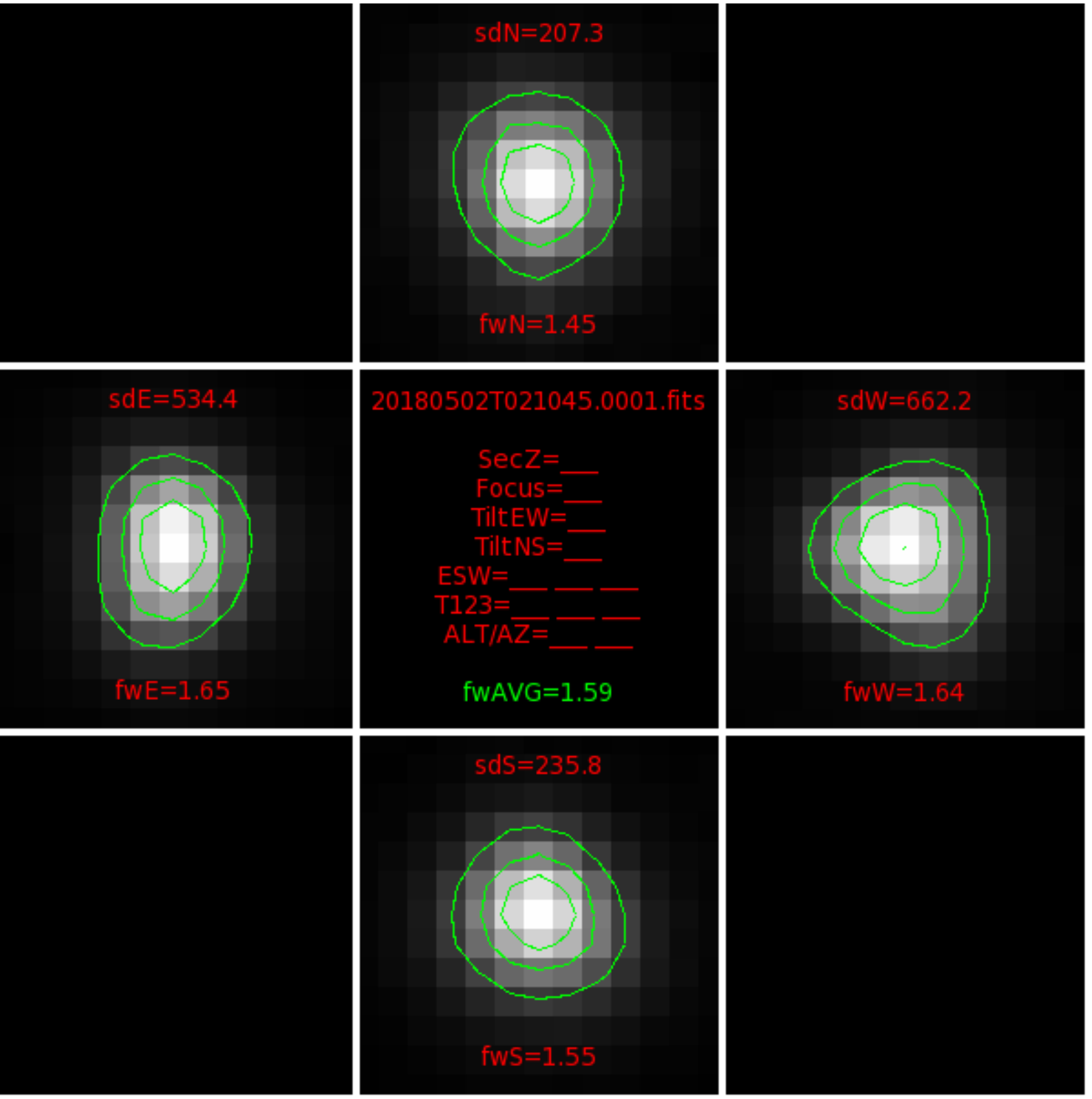
sdN=207.3
fwN=1.45
sdE=534.4
fwE=1.65
20180502T021045.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.59
sdW=662.2
fwW=1.64
sdS=235.8
fwS=1.55
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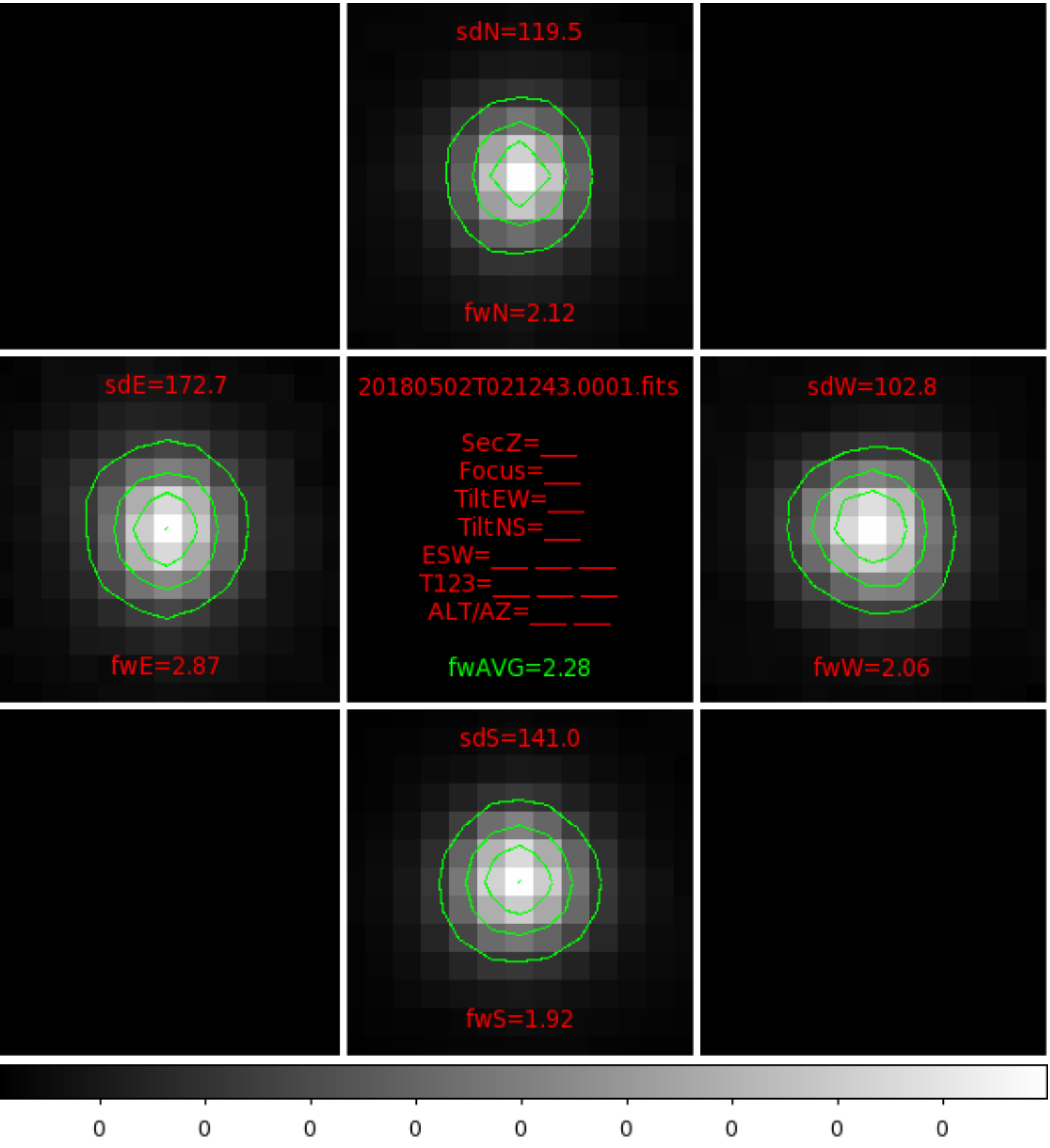
sdN=119.5
fwN=2.12
sdE=172.7
fwE=2.87
20180502T021243.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.28
sdW=102.8
fwW=2.06
sdS=141.0
fwS=1.92
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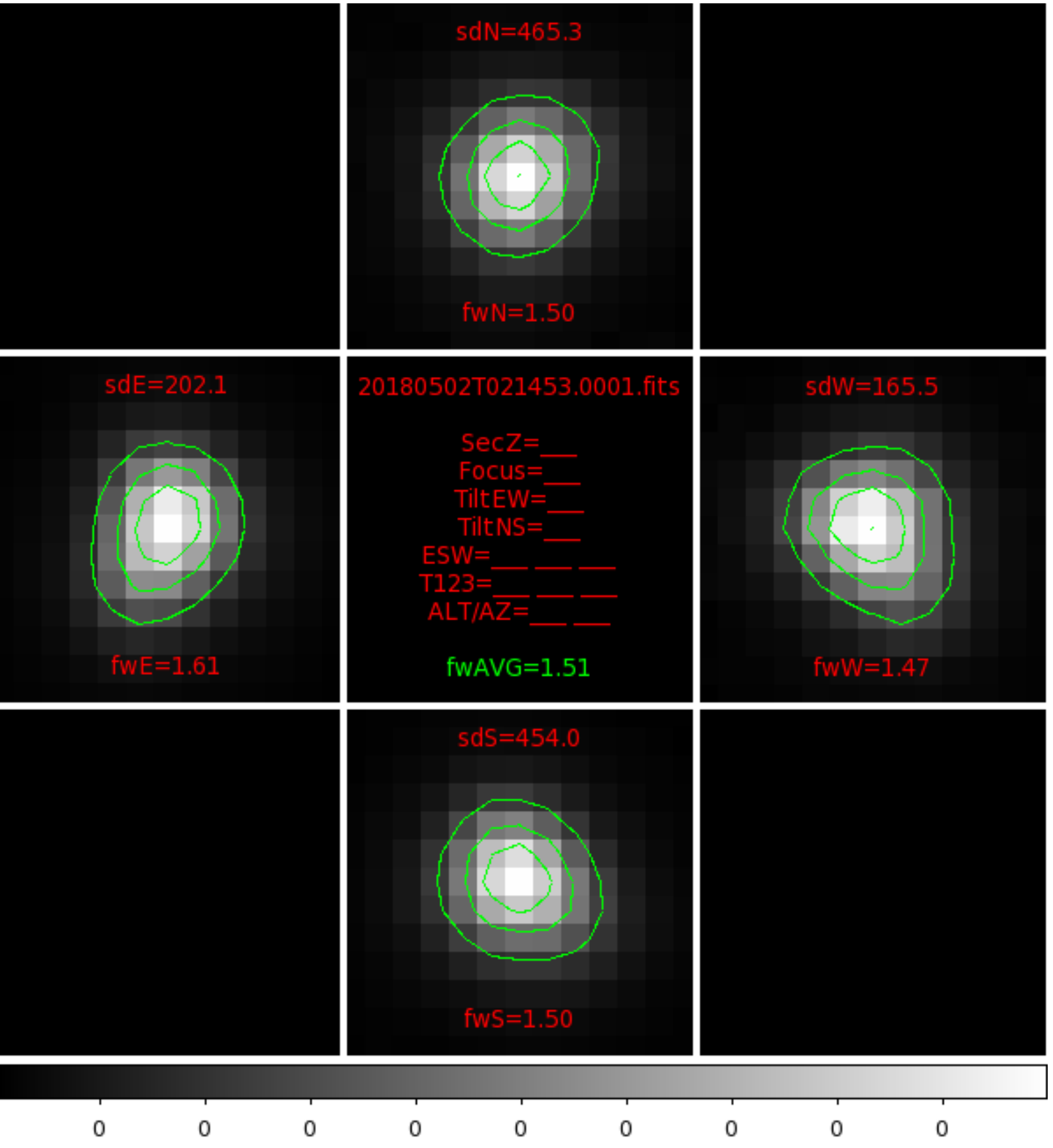
sdN=465.3
fwN=1.50
sdE=202.1
fwE=1.61
20180502T021453.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.51
sdW=165.5
fwW=1.47
sdS=454.0
fwS=1.50
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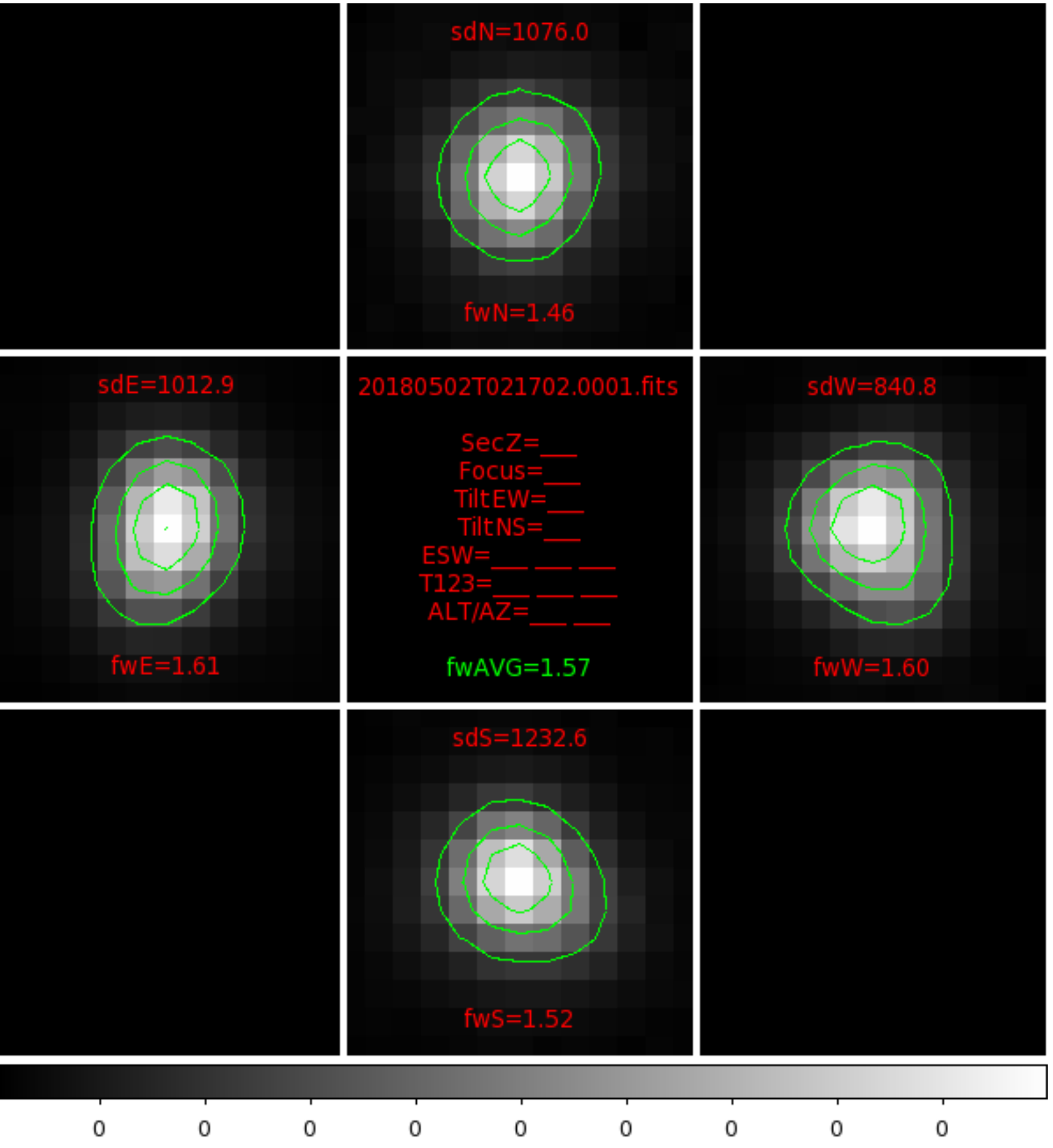
sdN=1076.0
fwN=1.46
sdE=1012.9
fwE=1.61
20180502T021702.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.57
sdW=840.8
fwW=1.60
sdS=1232.6
fwS=1.52
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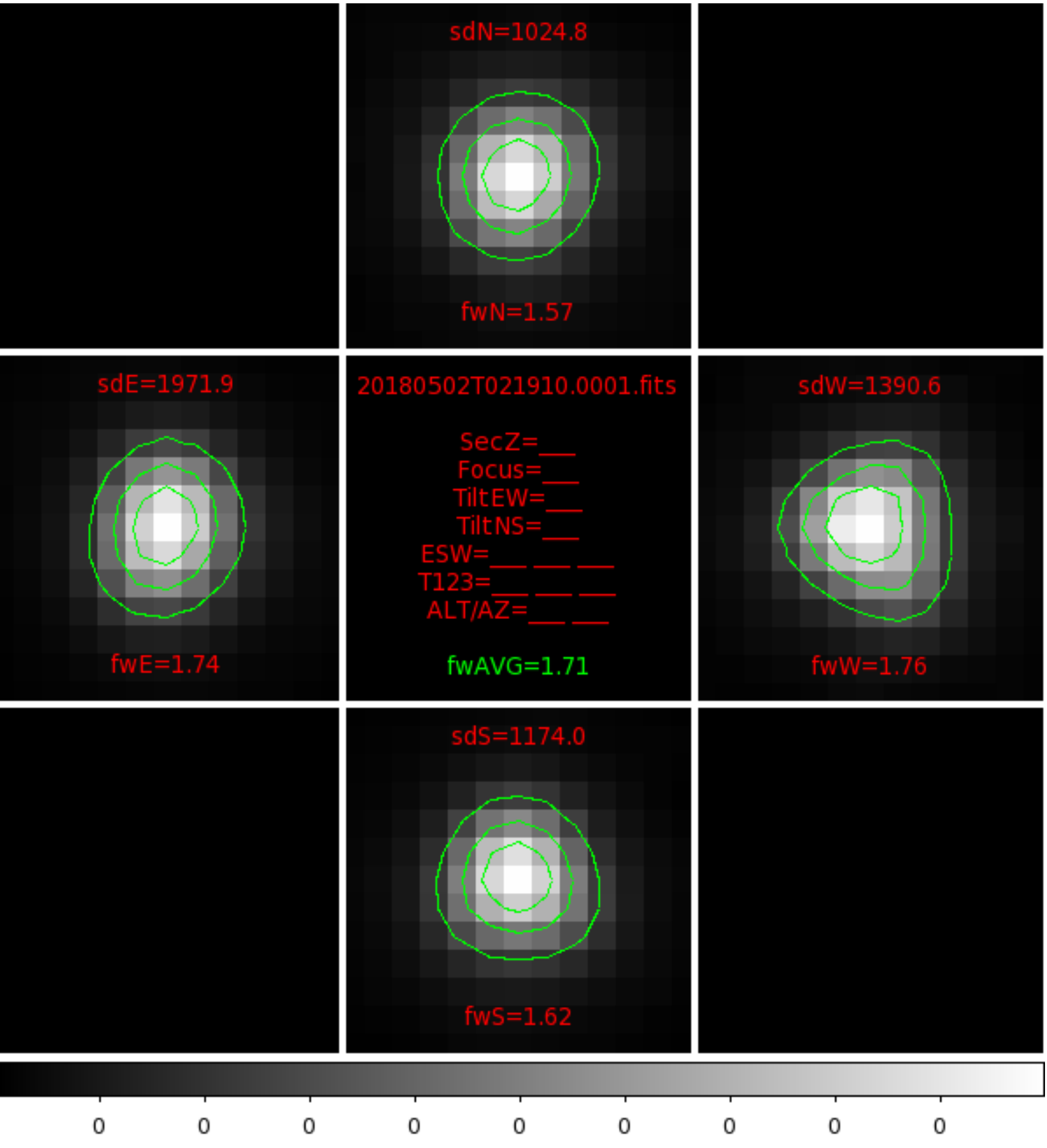
sdN=1024.8
fwN=1.57
sdE=1971.9
fwE=1.74
20180502T021910.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.71
sdW=1390.6
fwW=1.76
sdS=1174.0
fwS=1.62
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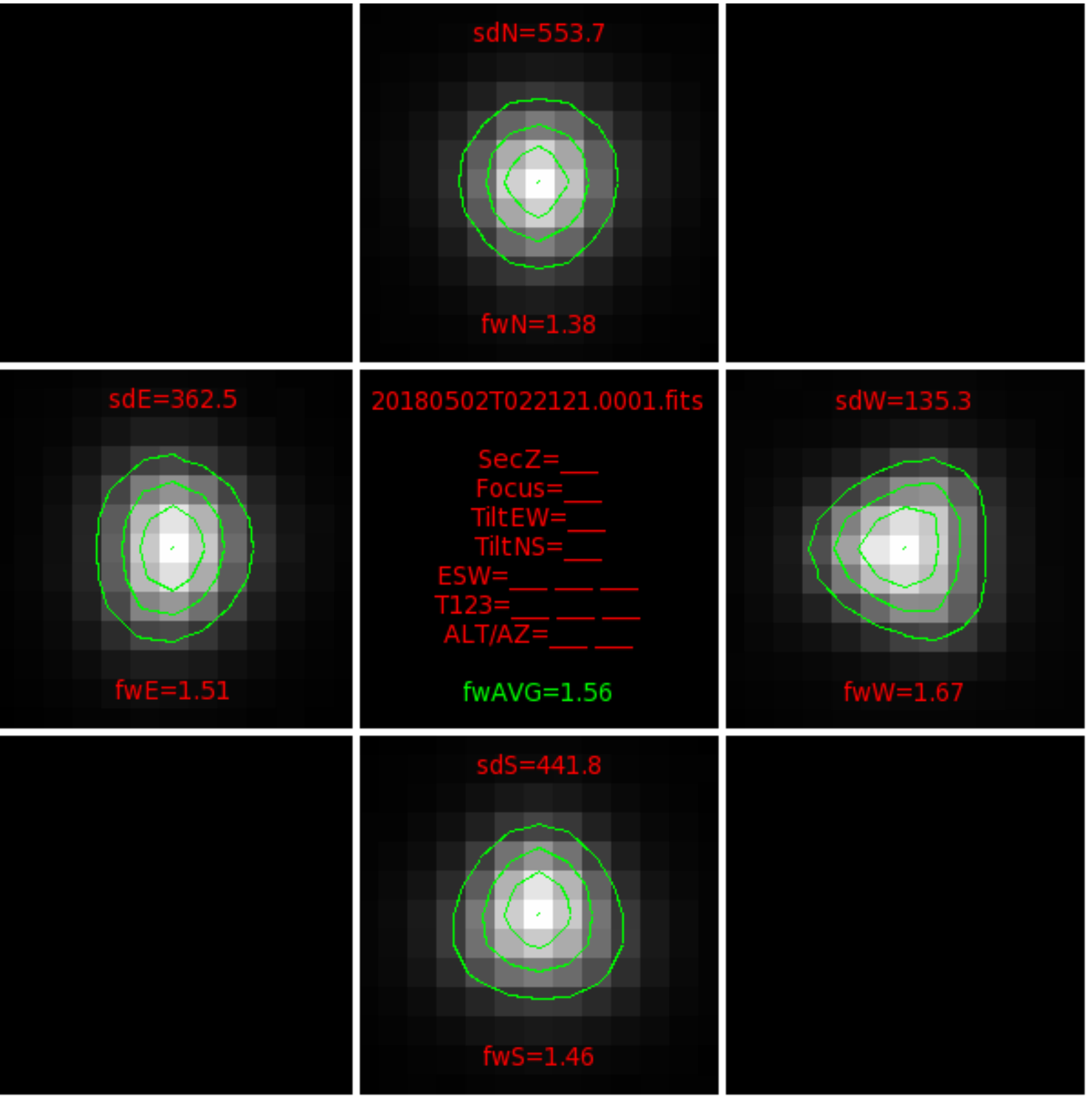
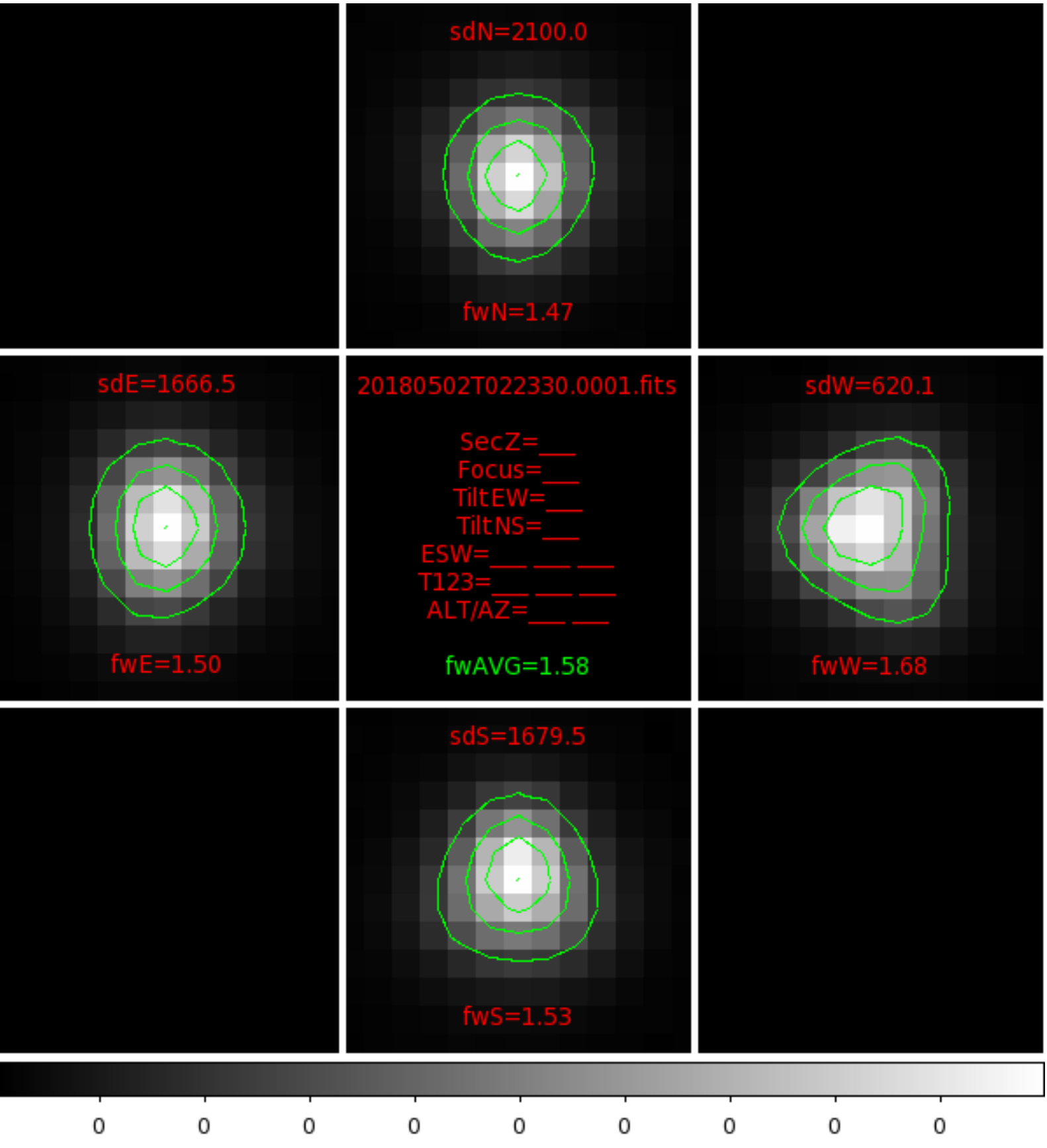
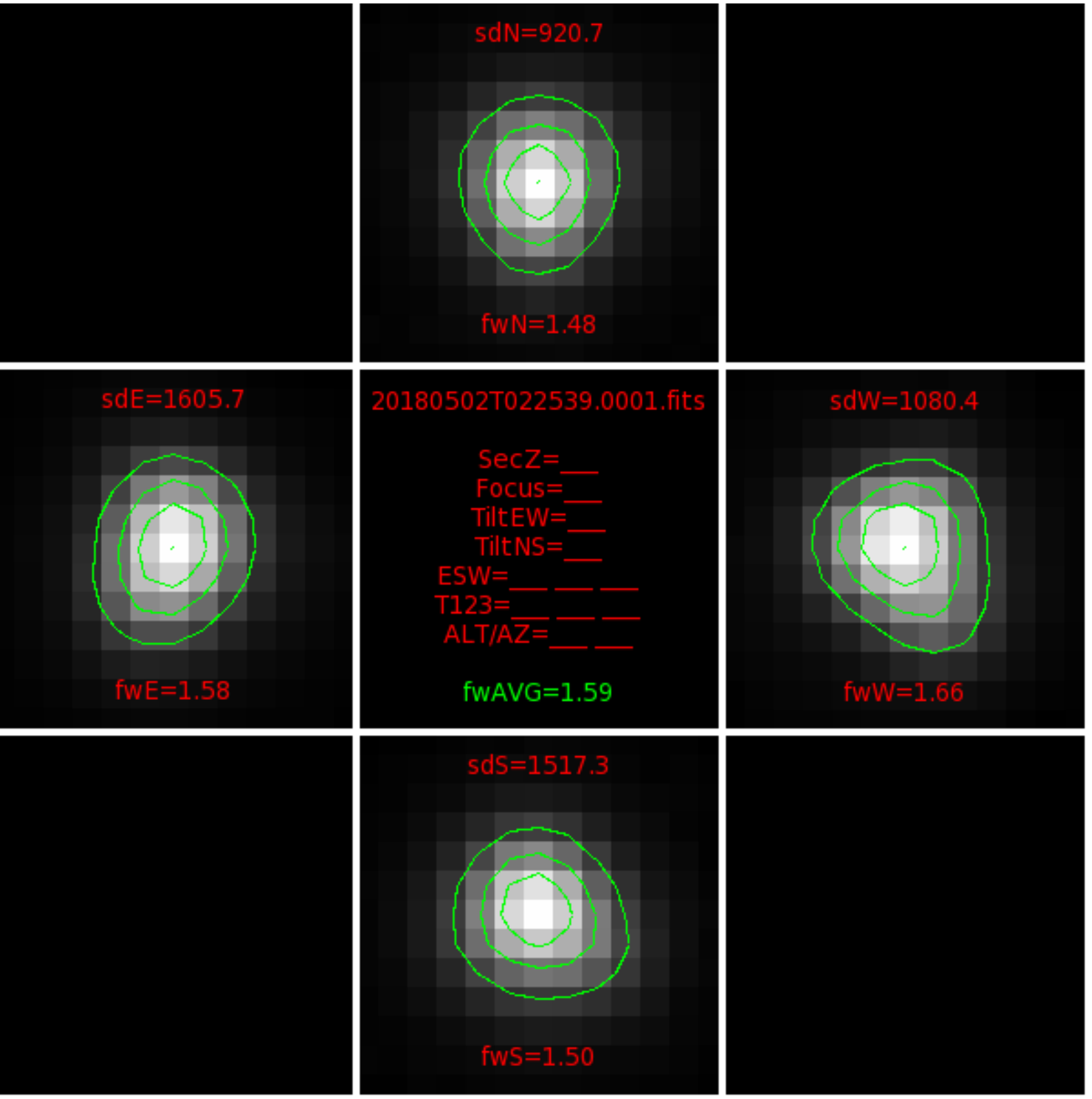
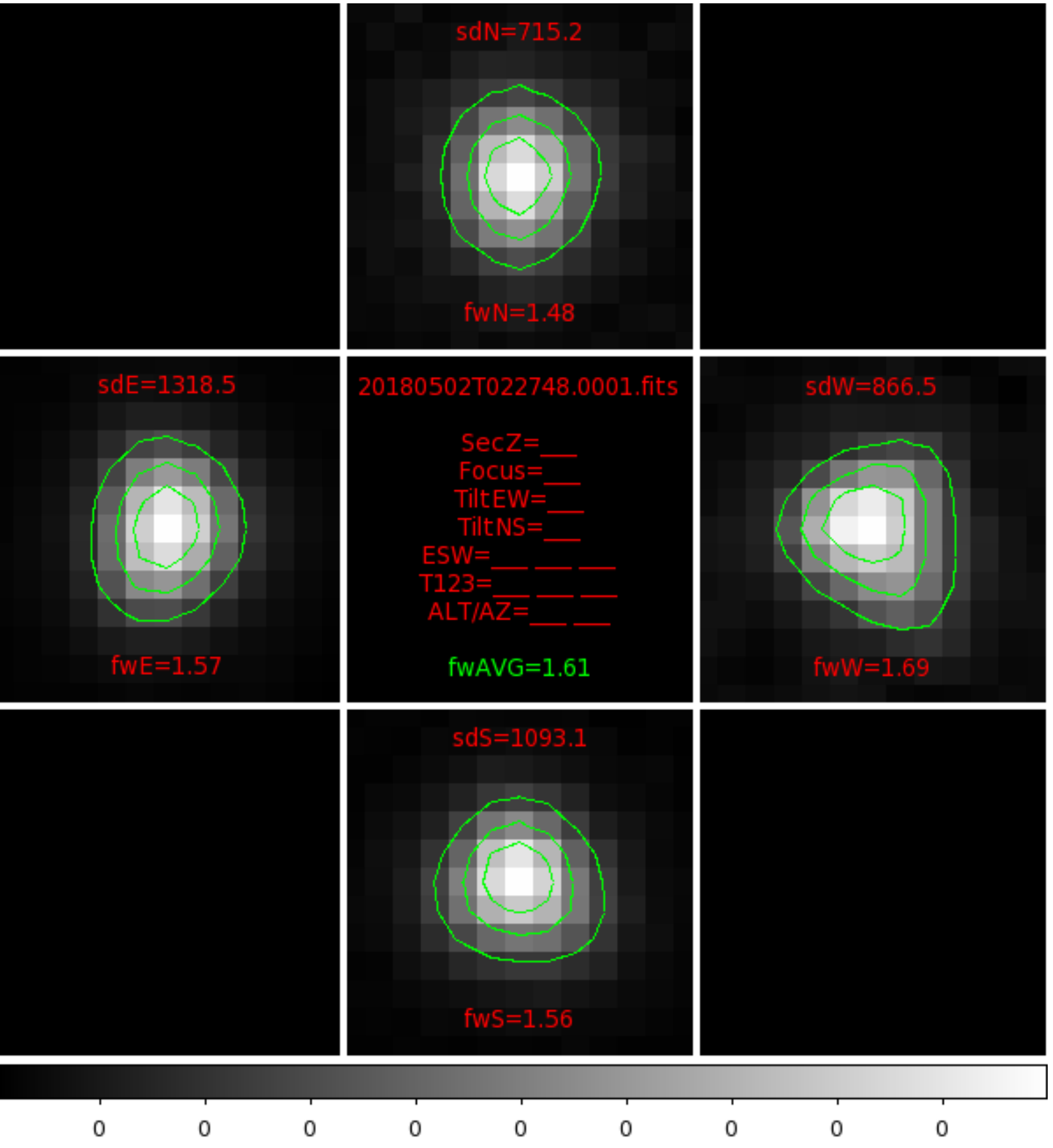

sdN=553.7
fwN=1.38
sdE=362.5
fwE=1.51
20180502T022121.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.56
sdW=135.3
fwW=1.67
sdS=441.8
fwS=1.46
0 0 0 0 0 0 0 0 0


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
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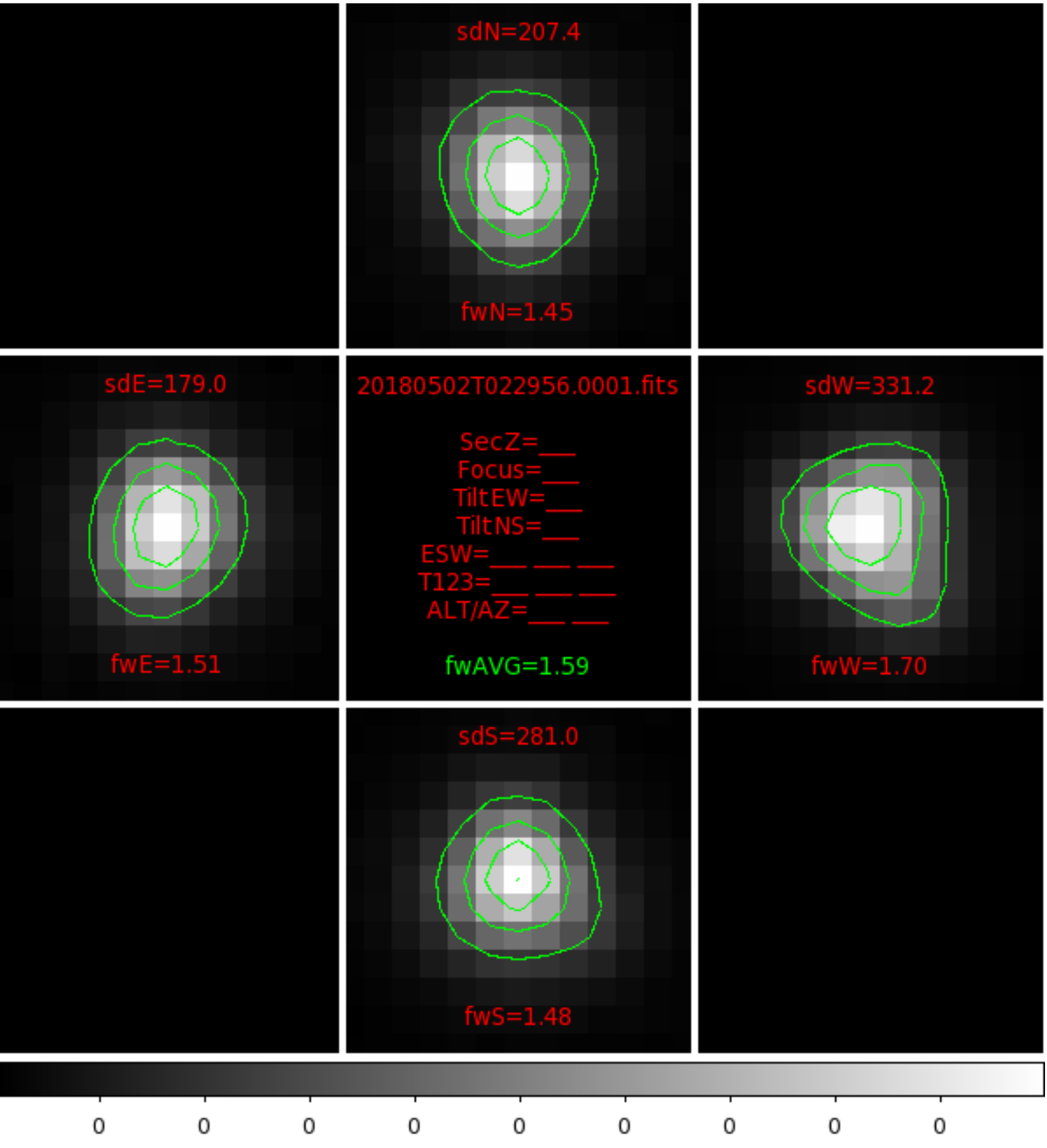
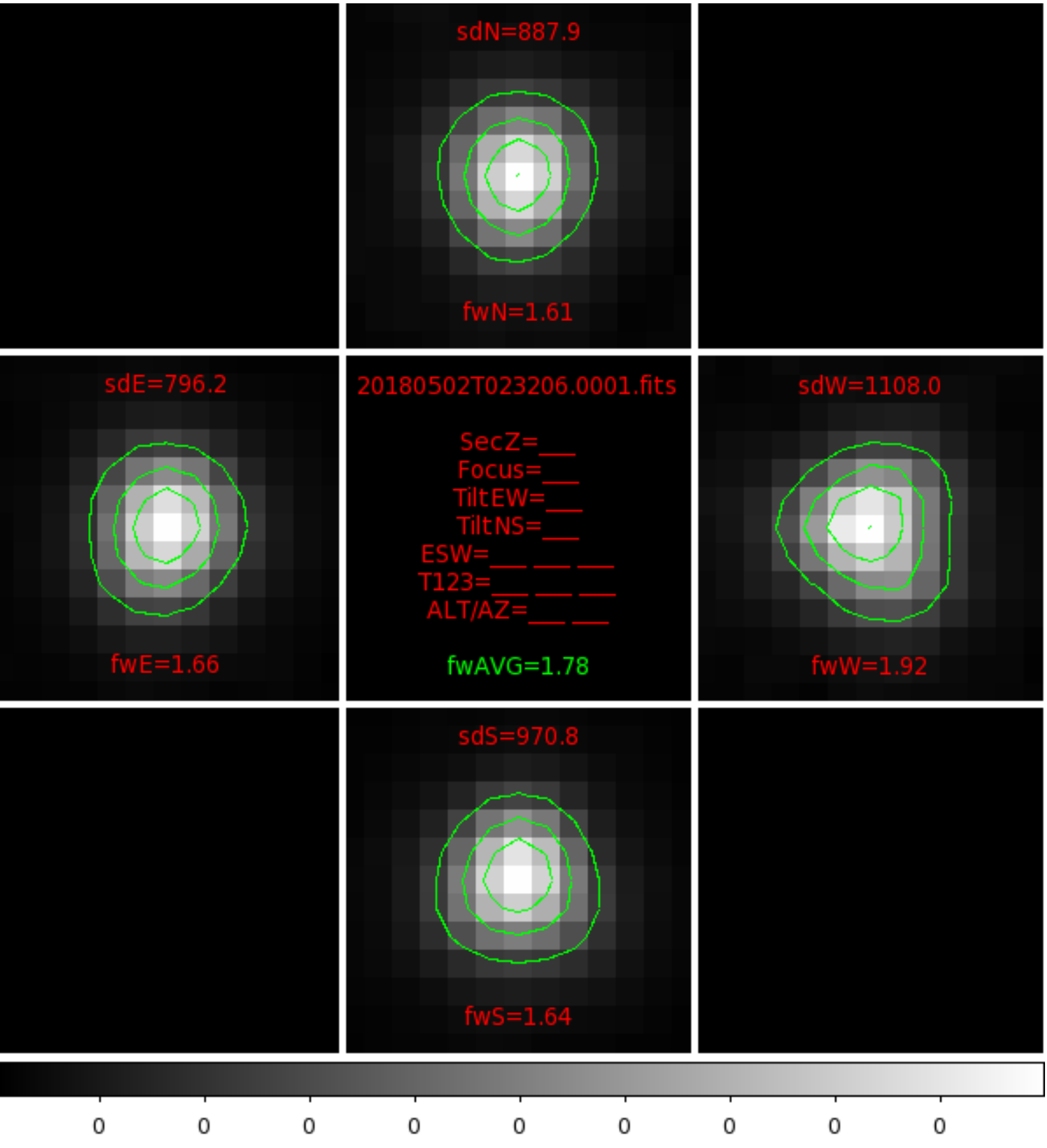
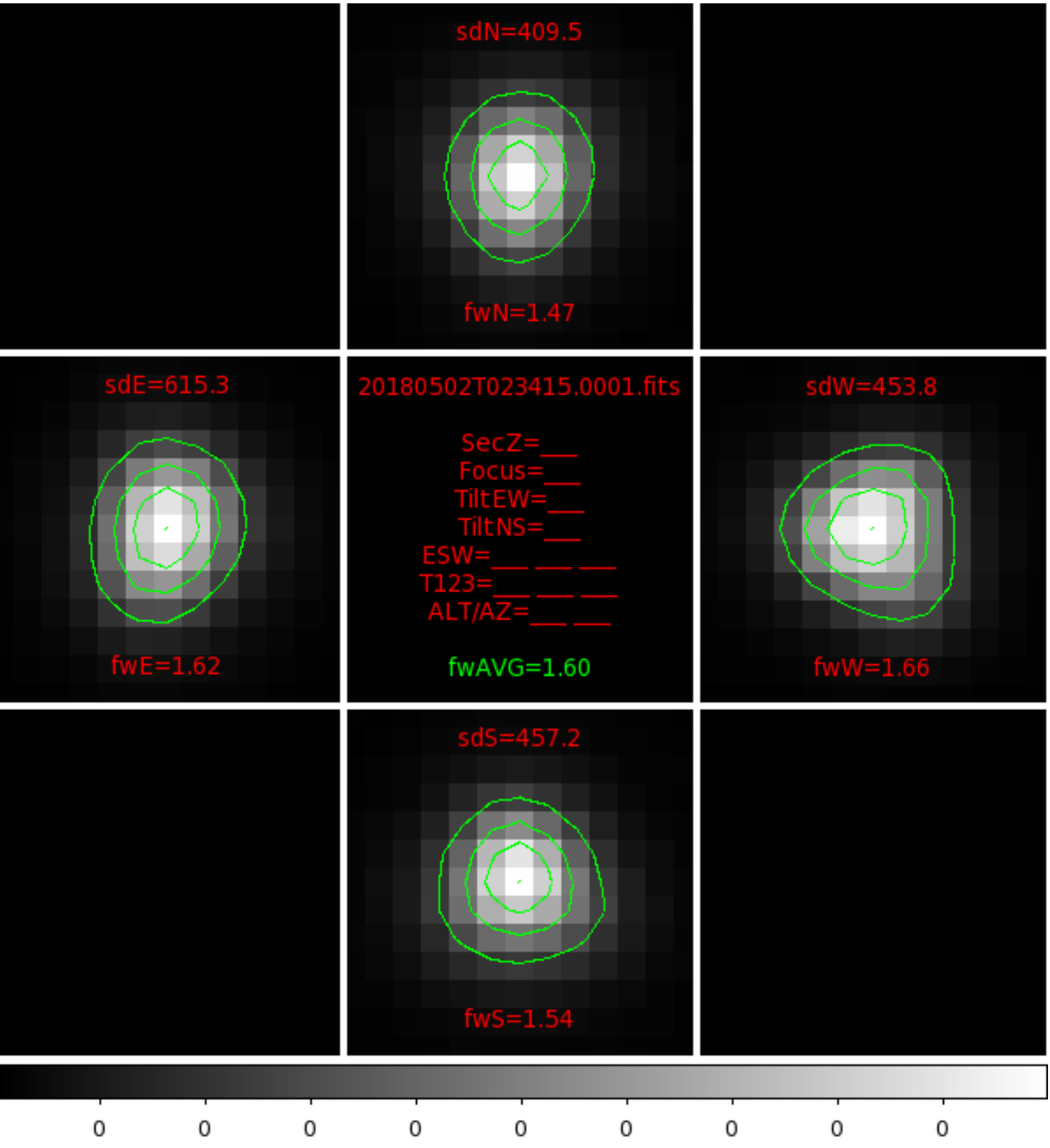
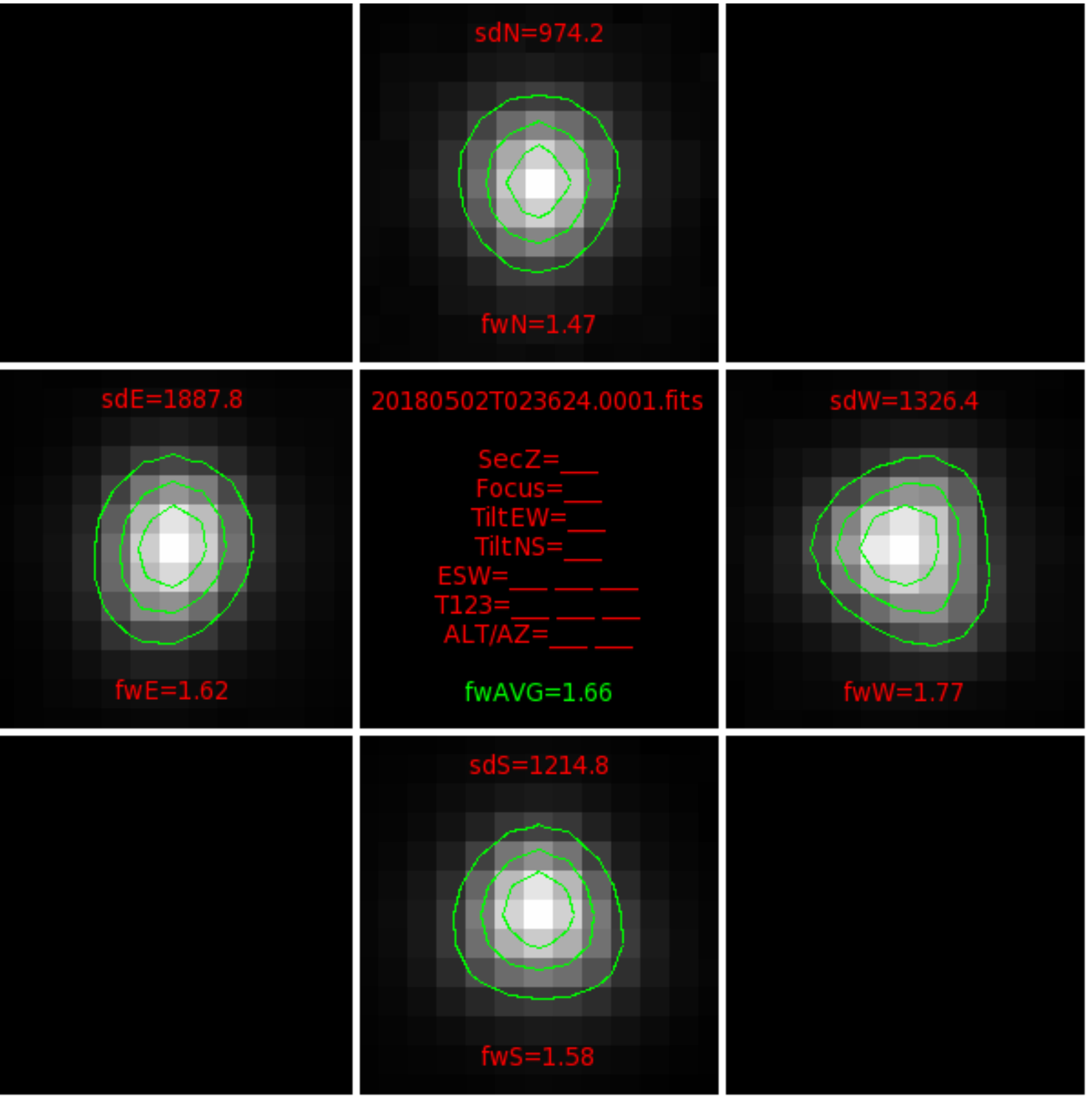

sdN=207.4
fwN=1.45
sdE=179.0
fwE=1.51
20180502T022956.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.59
sdW=331.2
fwW=1.70
sdS=281.0
fwS=1.48
0 0 0 0 0 0 0 0 0


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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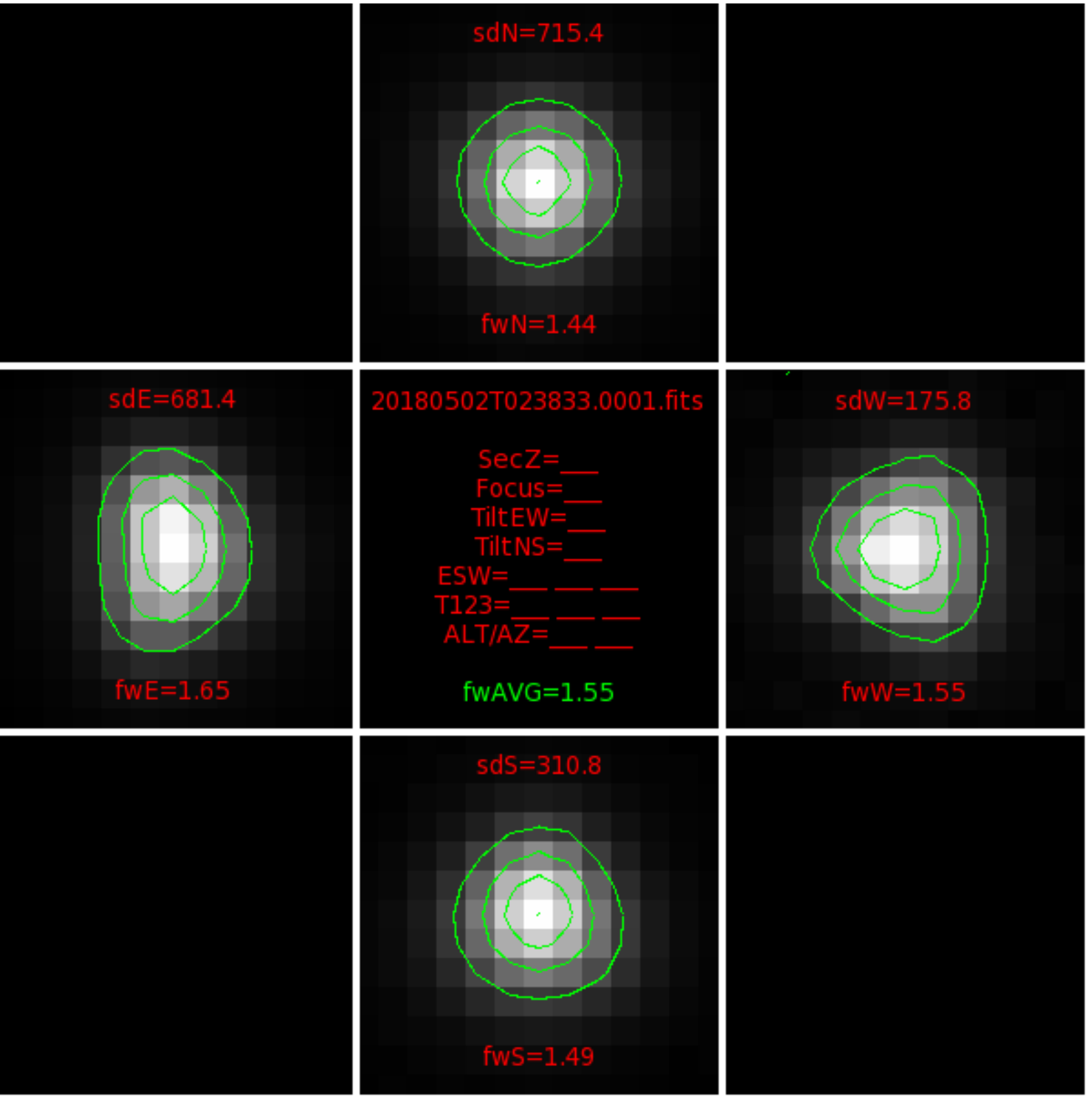
sdN=715.4
fwN=1.44
sdE=681.4
fwE=1.65
20180502T023833.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.55
sdW=175.8
fwW=1.55
sdS=310.8
fwS=1.49
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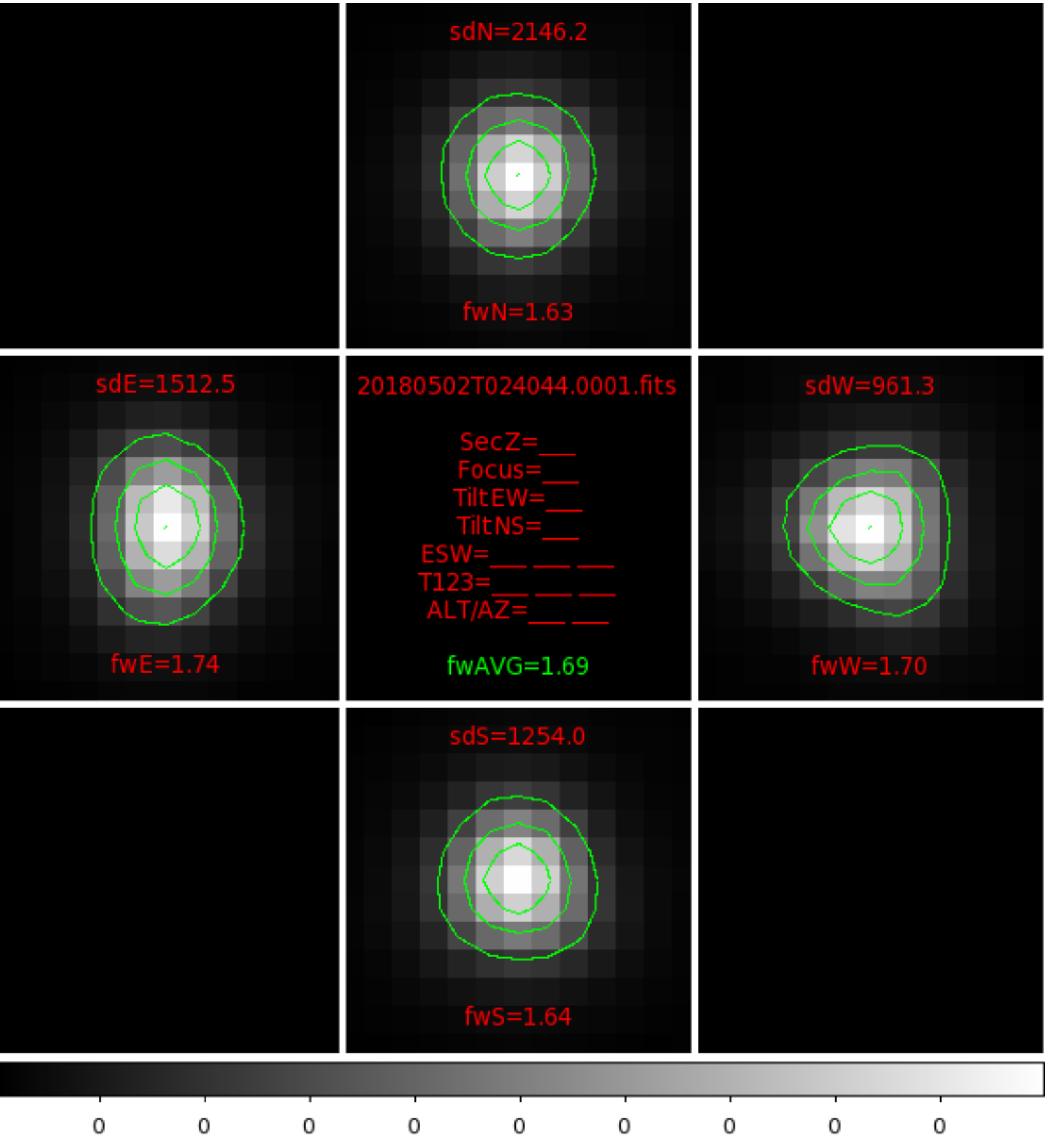
sdN=2146.2
fwN=1.63
sdE=1512.5
fwE=1.74
20180502T024044.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.69
sdW=961.3
fwW=1.70
sdS=1254.0
fwS=1.64
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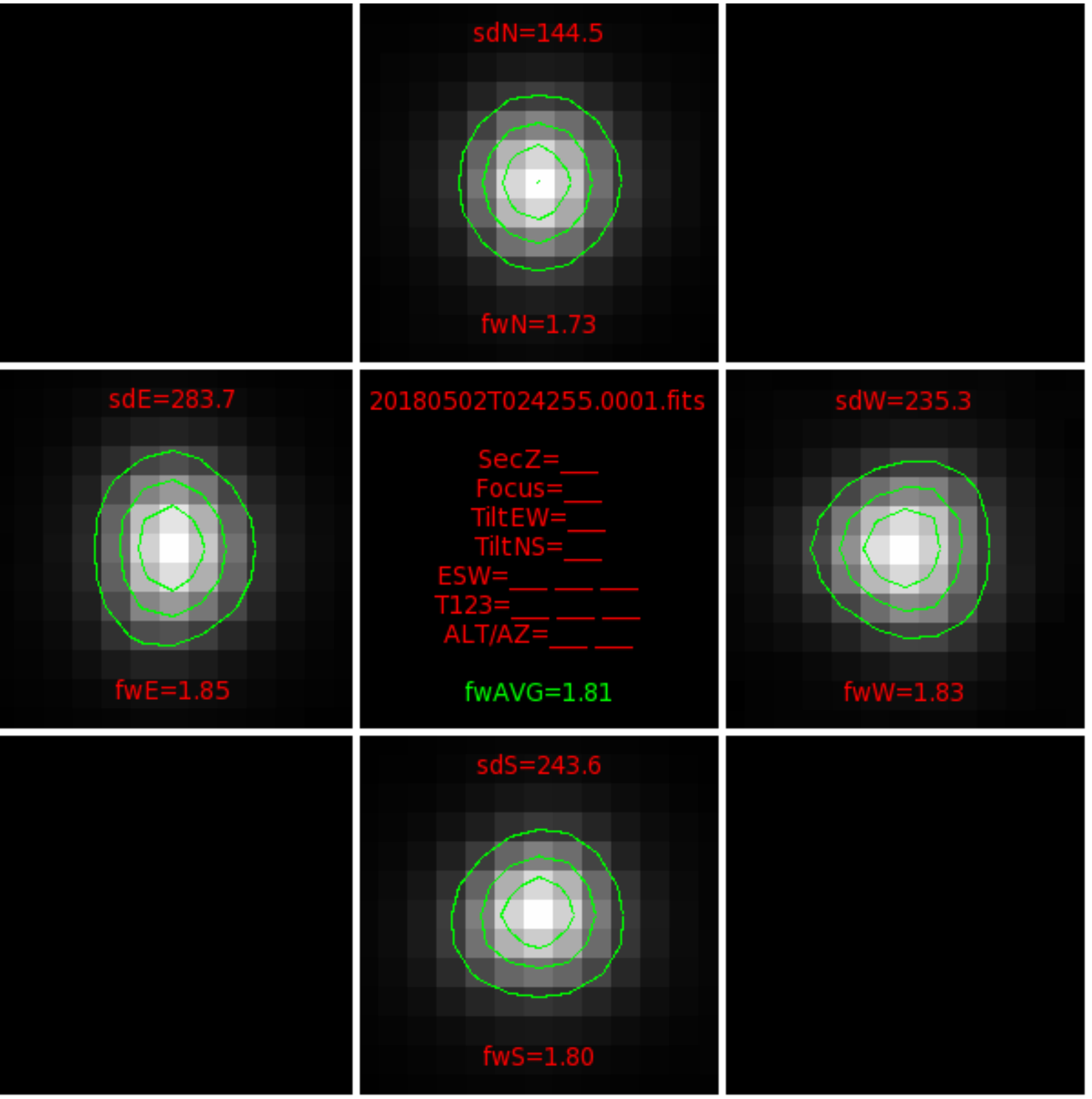
sdN=144.5
fwN=1.73
sdE=283.7
fwE=1.85
20180502T024255.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.81
sdW=235.3
fwW=1.83
sdS=243.6
fwS=1.80
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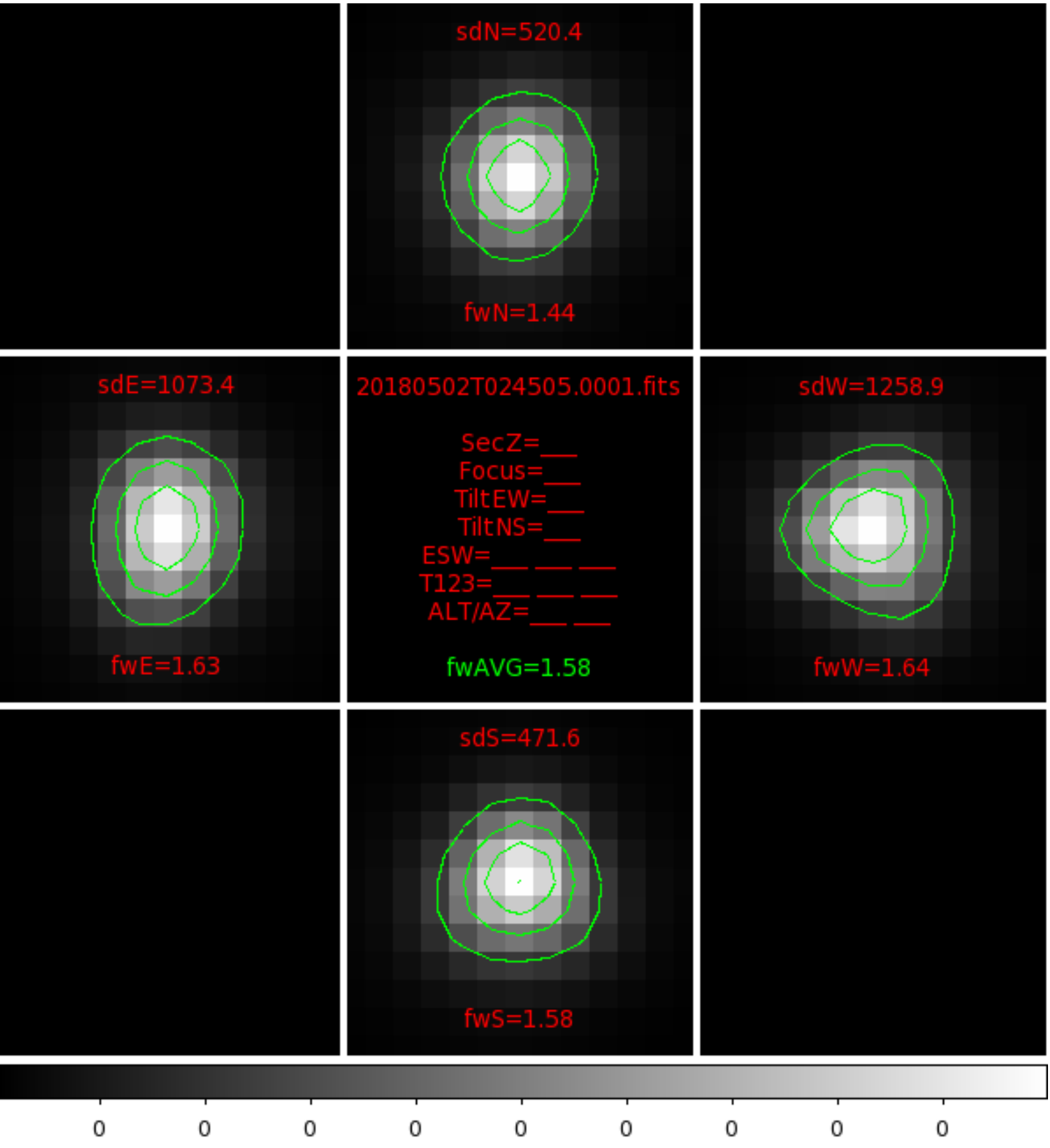
sdN=520.4
fwN=1.44
sdE=1073.4
fwE=1.63
20180502T024505.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.58
sdW=1258.9
fwW=1.64
sdS=471.6
fwS=1.58
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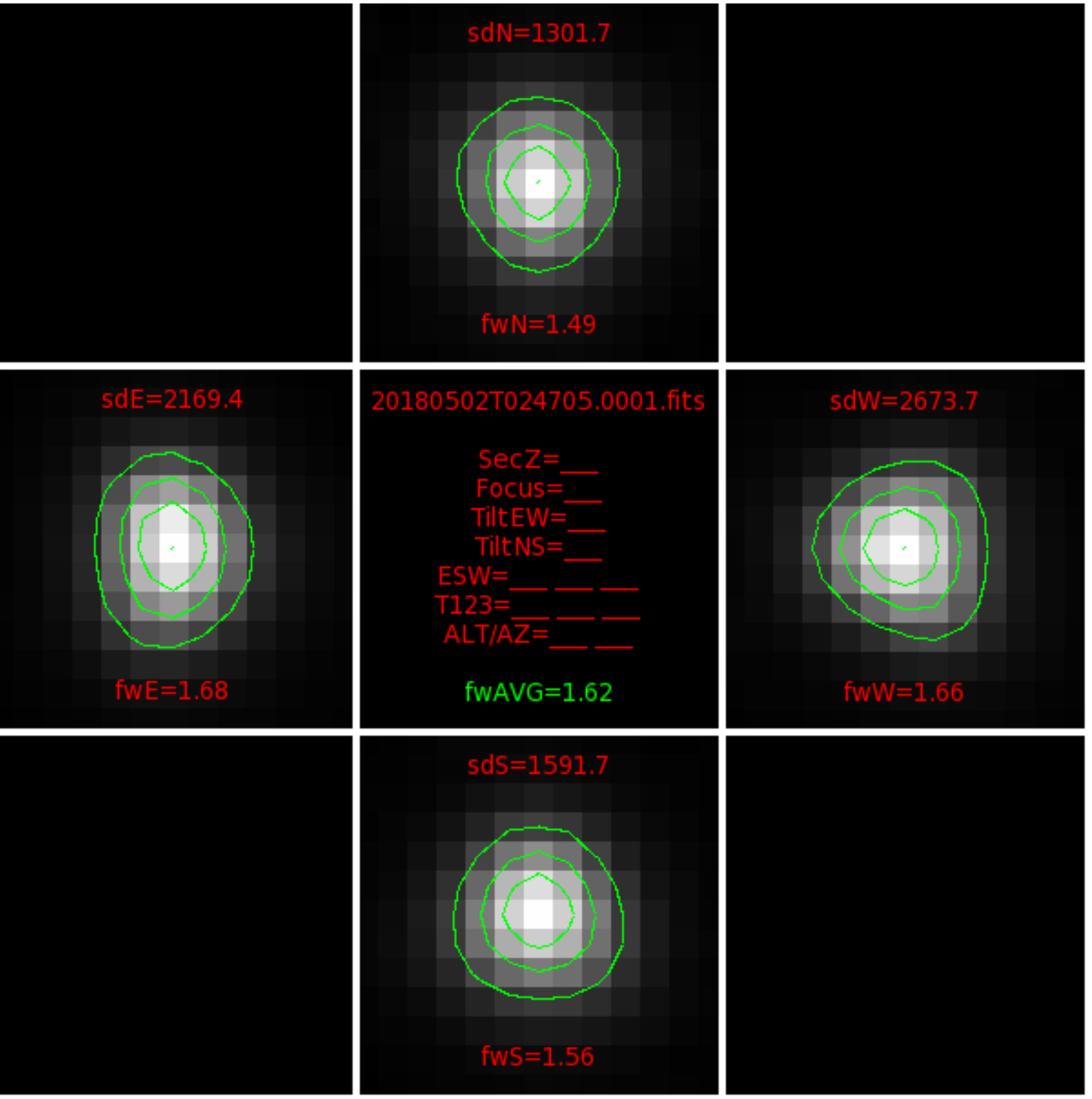
sdN=1301.7
fwN=1.49
sdE=2169.4
fwE=1.68
20180502T024705.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.62
sdW=2673.7
fwW=1.66
sdS=1591.7
fwS=1.56
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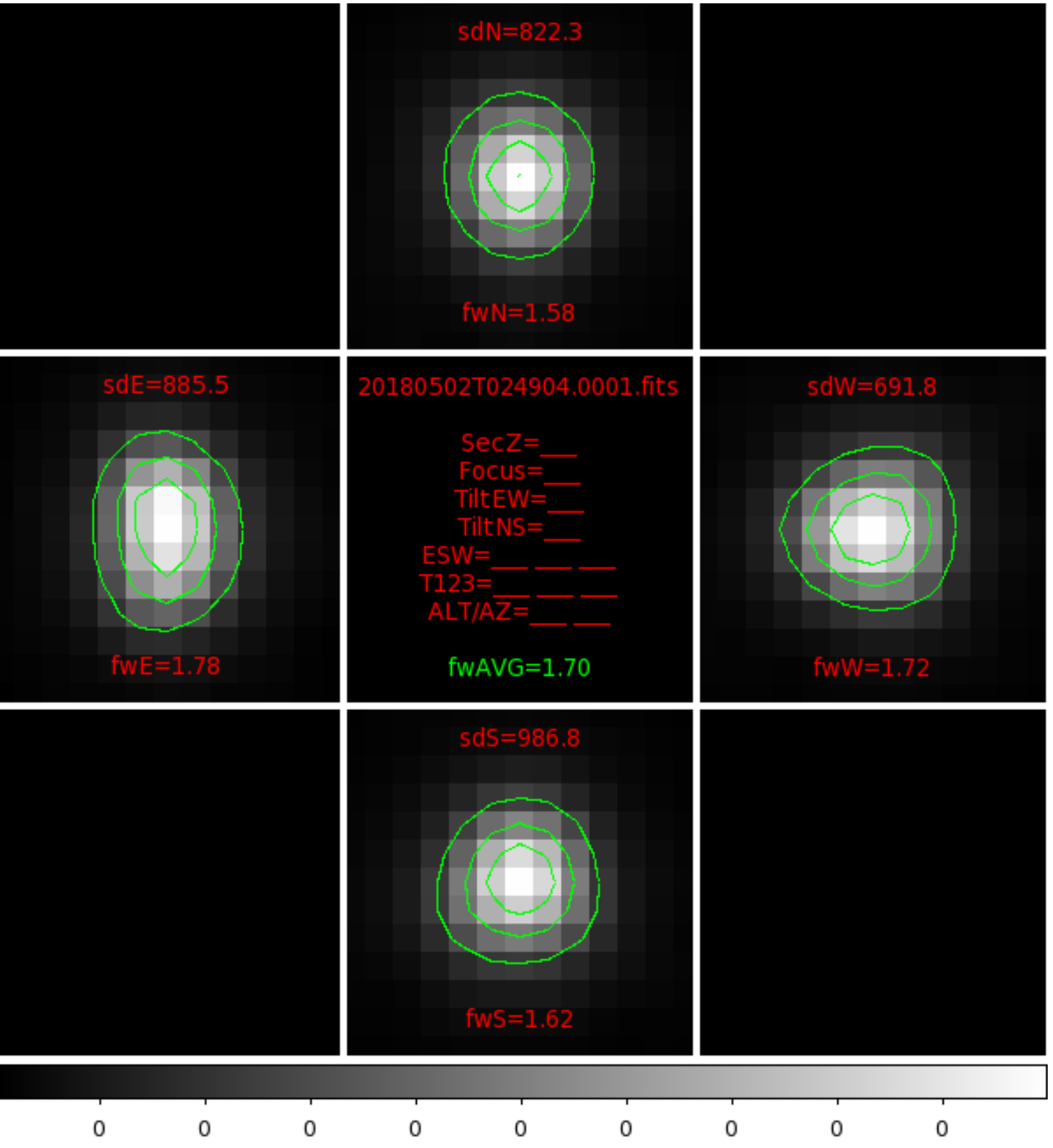
sdN=822.3
fwN=1.58
sdE=885.5
fwE=1.78
20180502T024904.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.70
sdW=691.8
fwW=1.72
sdS=986.8
fwS=1.62
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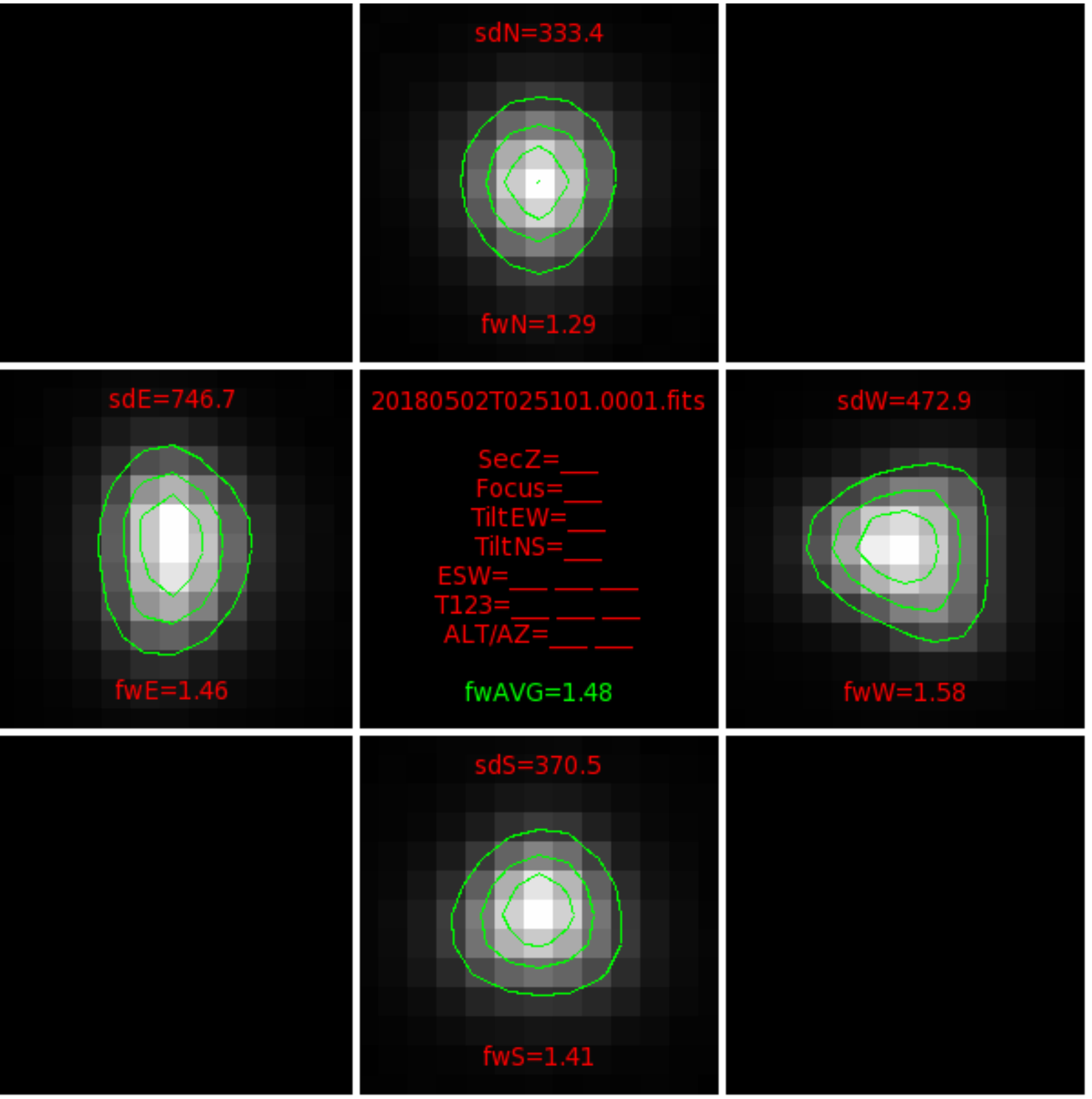
sdN=333.4
fwN=1.29
sdE=746.7
fwE=1.46
20180502T025101.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.48
sdW=472.9
fwW=1.58
sdS=370.5
fwS=1.41
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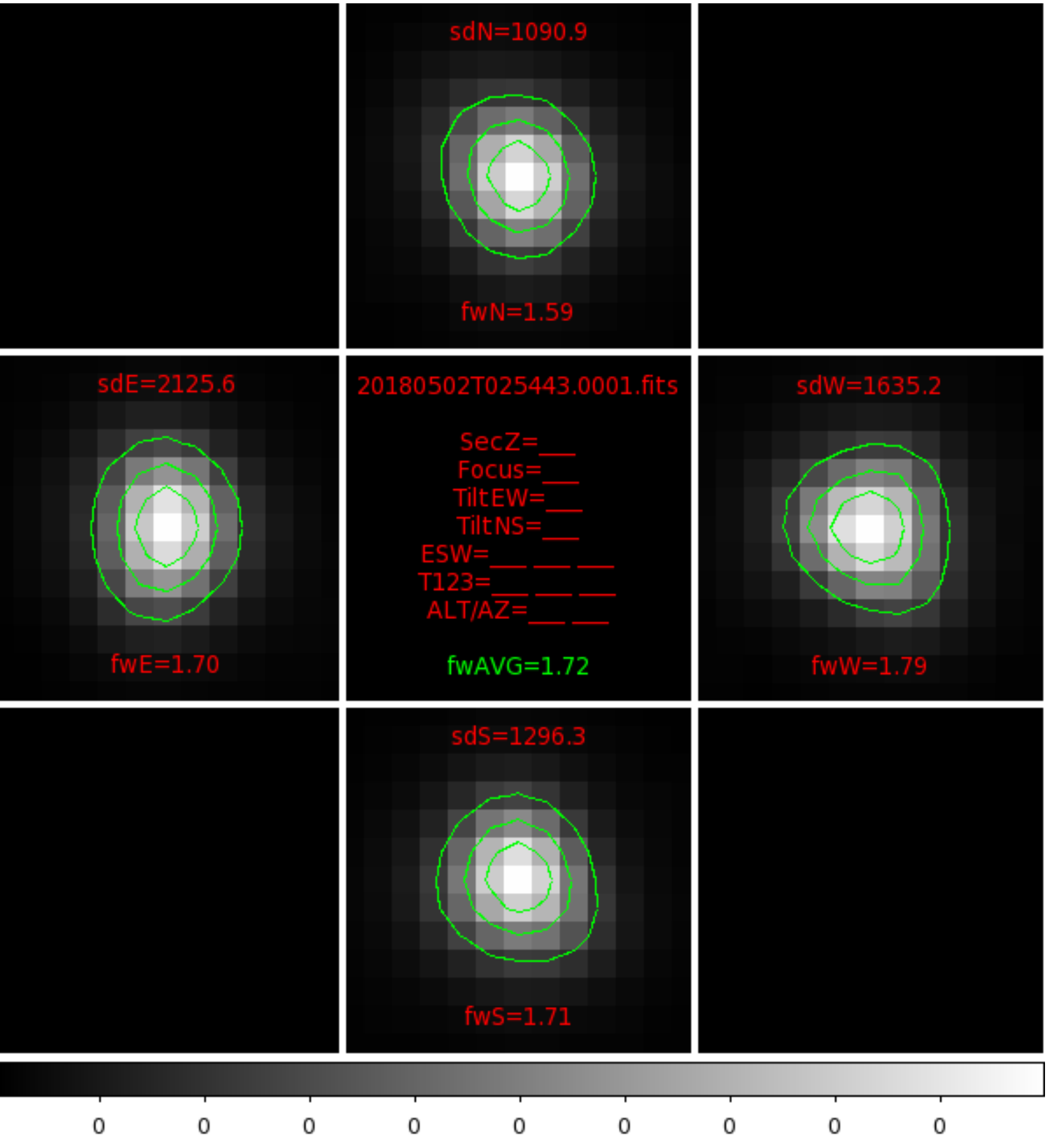
sdN=1090.9
fwN=1.59
sdE=2125.6
fwE=1.70
20180502T025443.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.72
sdW=1635.2
fwW=1.79
sdS=1296.3
fwS=1.71
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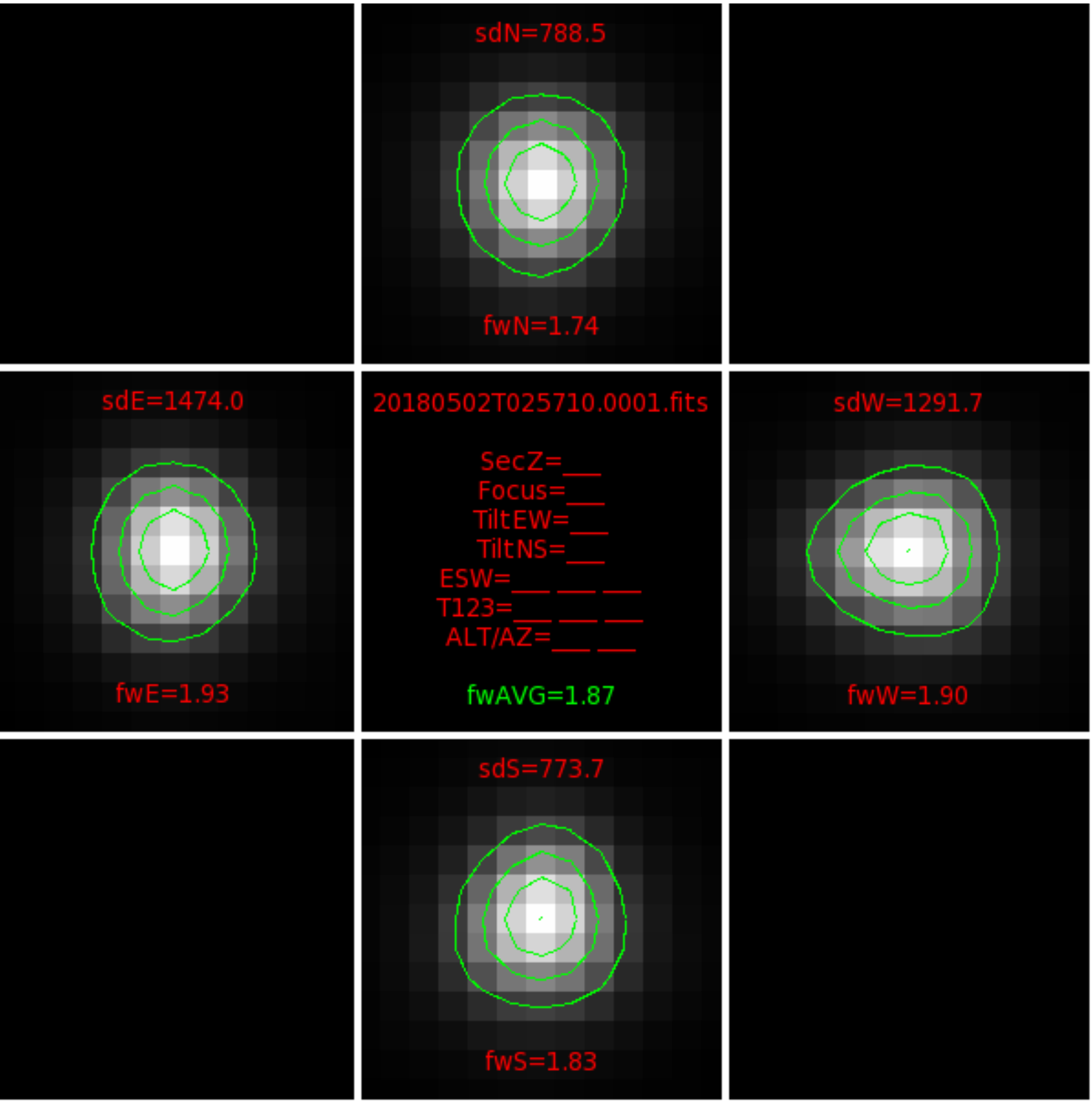
sdN=788.5
fwN=1.74
sdE=1474.0
fwE=1.93
20180502T025710.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.87
sdW=1291.7
fwW=1.90
sdS=773.7
fwS=1.83
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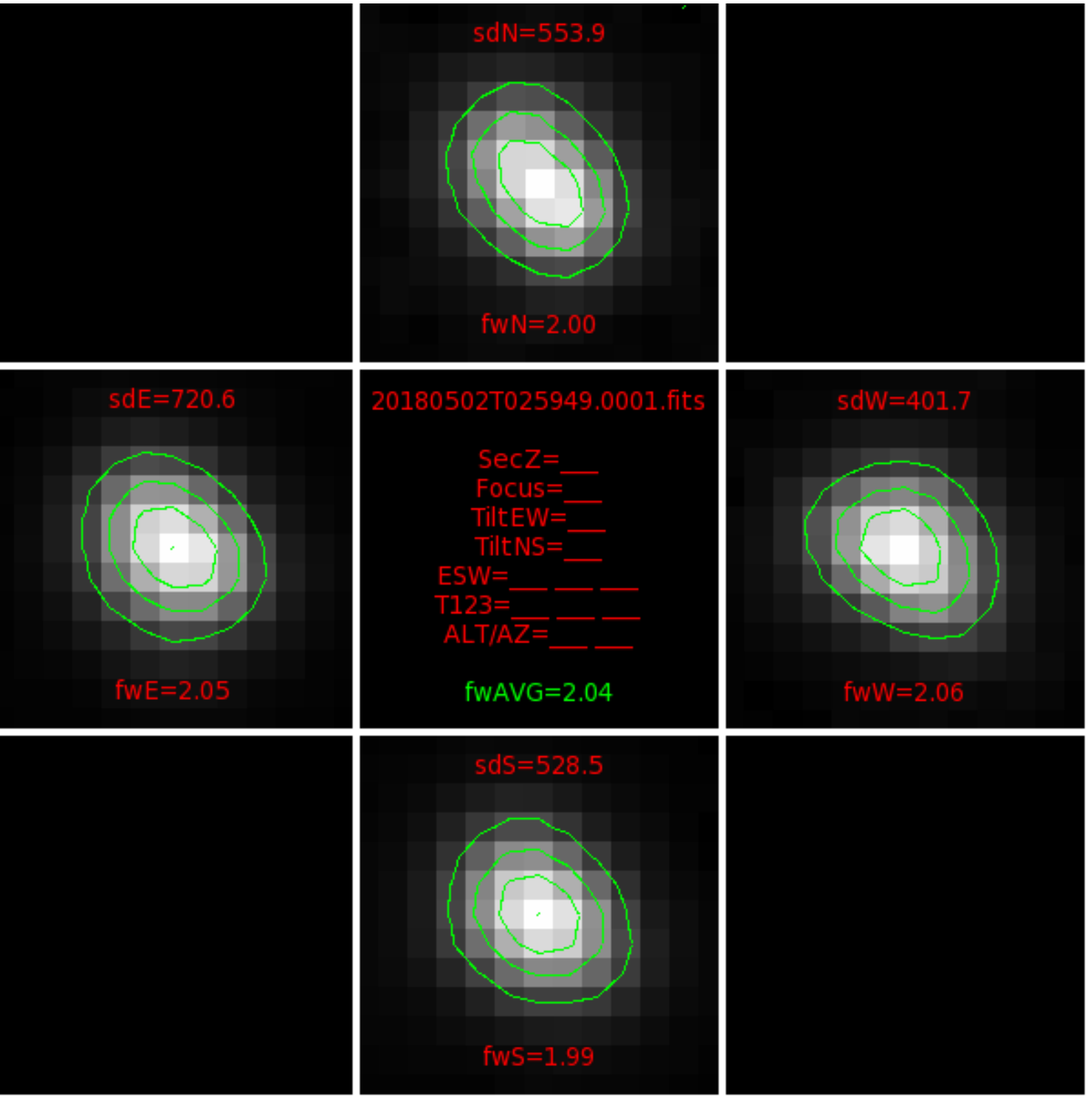
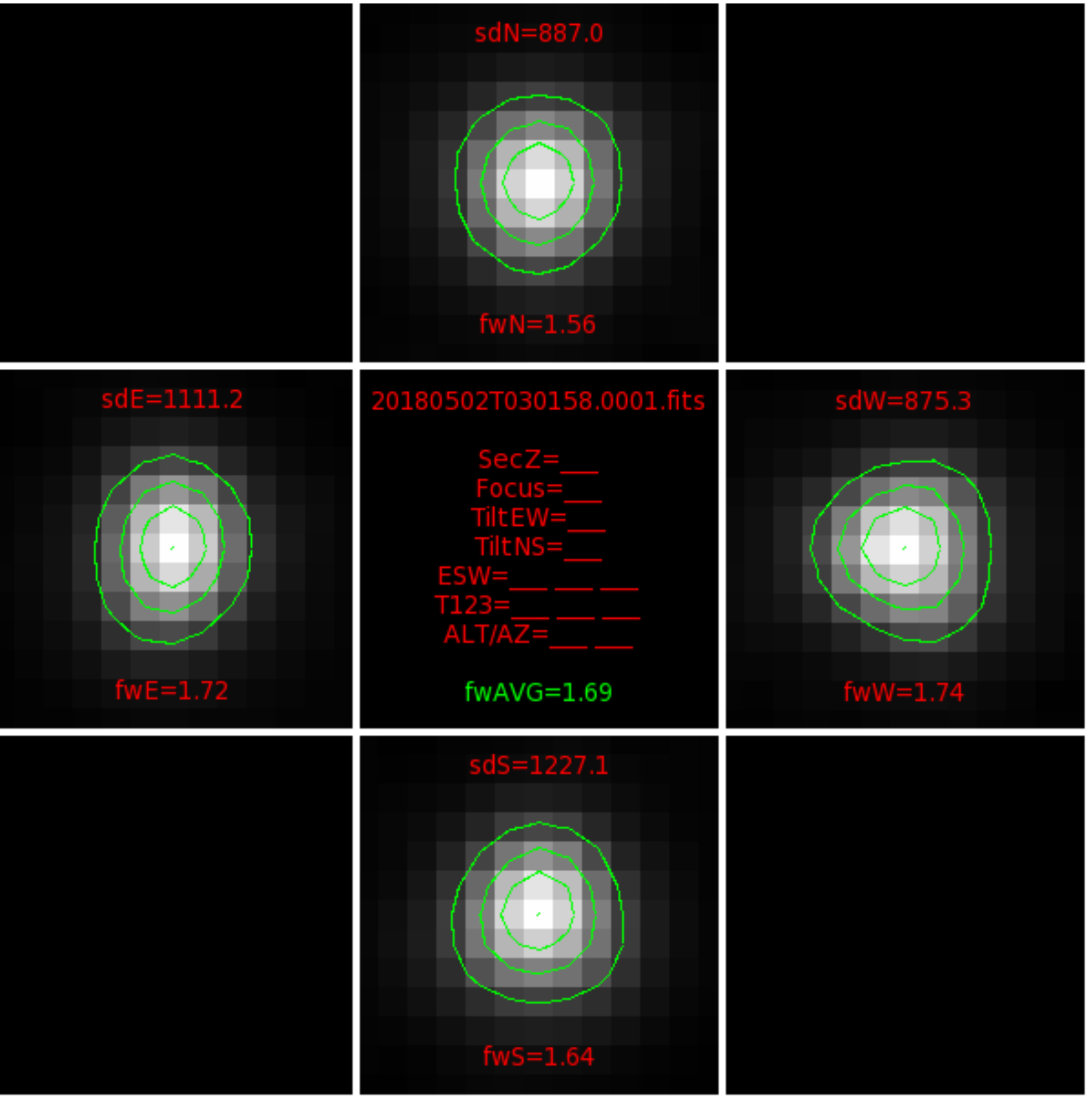

sdN=553.9
fwN=2.00
sdE=720.6
fwE=2.05
20180502T025949.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.04
sdW=401.7
fwW=2.06
sdS=528.5
fwS=1.99
0 0 0 0 0 0 0 0 0


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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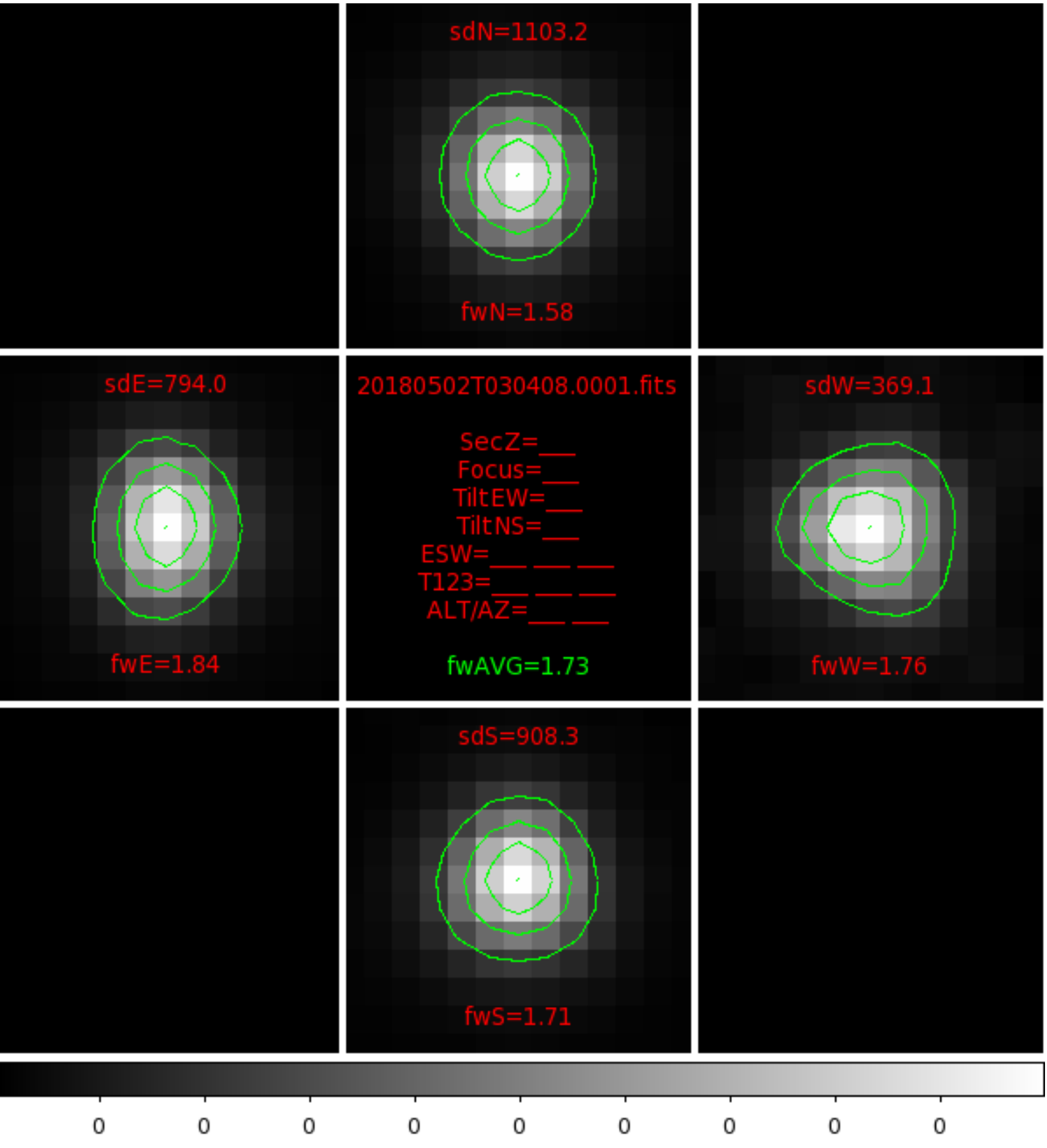
sdN=1103.2
fwN=1.58
sdE=794.0
fwE=1.84
20180502T030408.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.73
sdW=369.1
fwW=1.76
sdS=908.3
fwS=1.71
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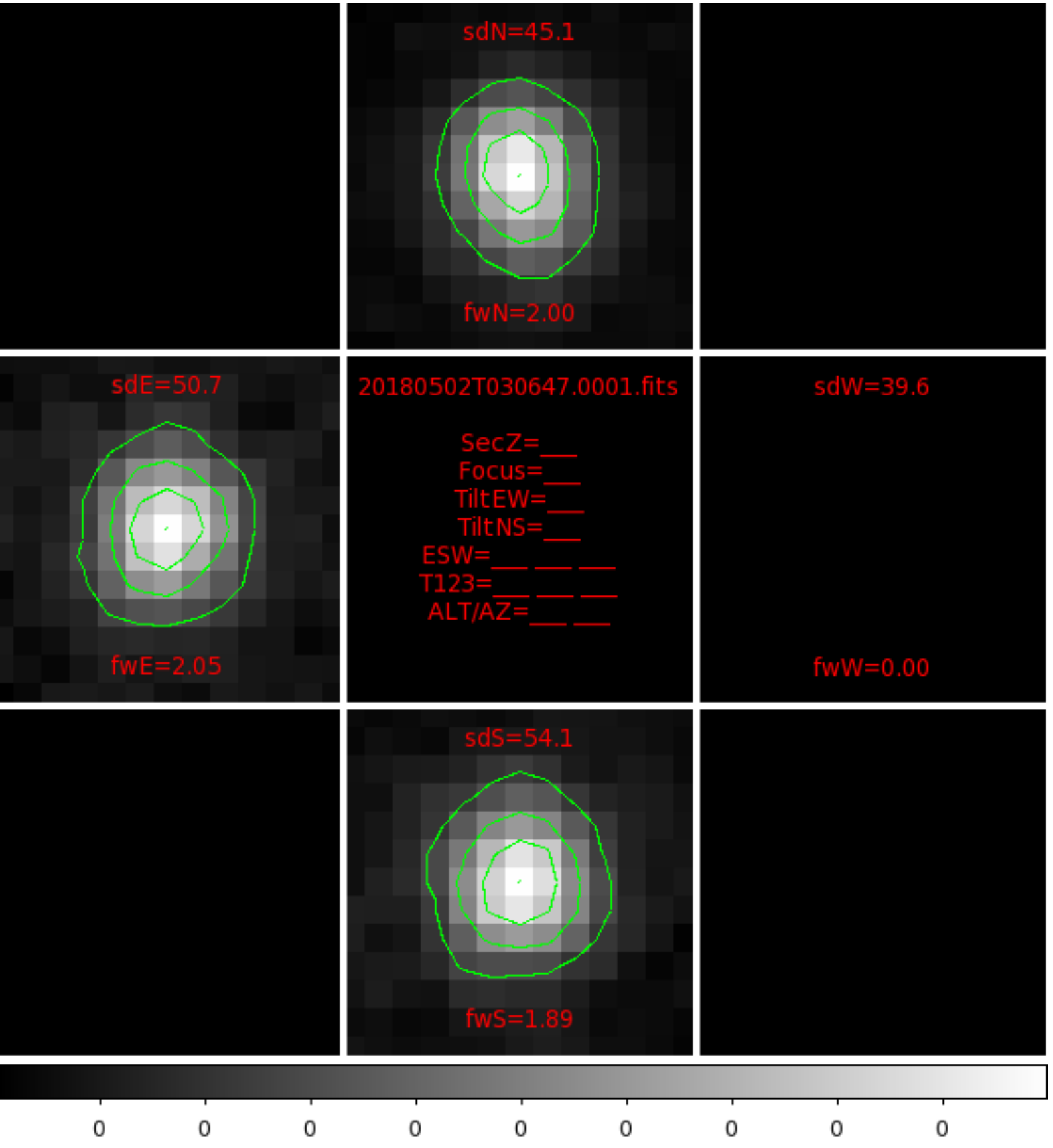
sdN=45.1
fwN=2.00
sdE=50.7
fwE=2.05
20180502T030647.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=39.6
fwW=0.00
sdS=54.1
fwS=1.89
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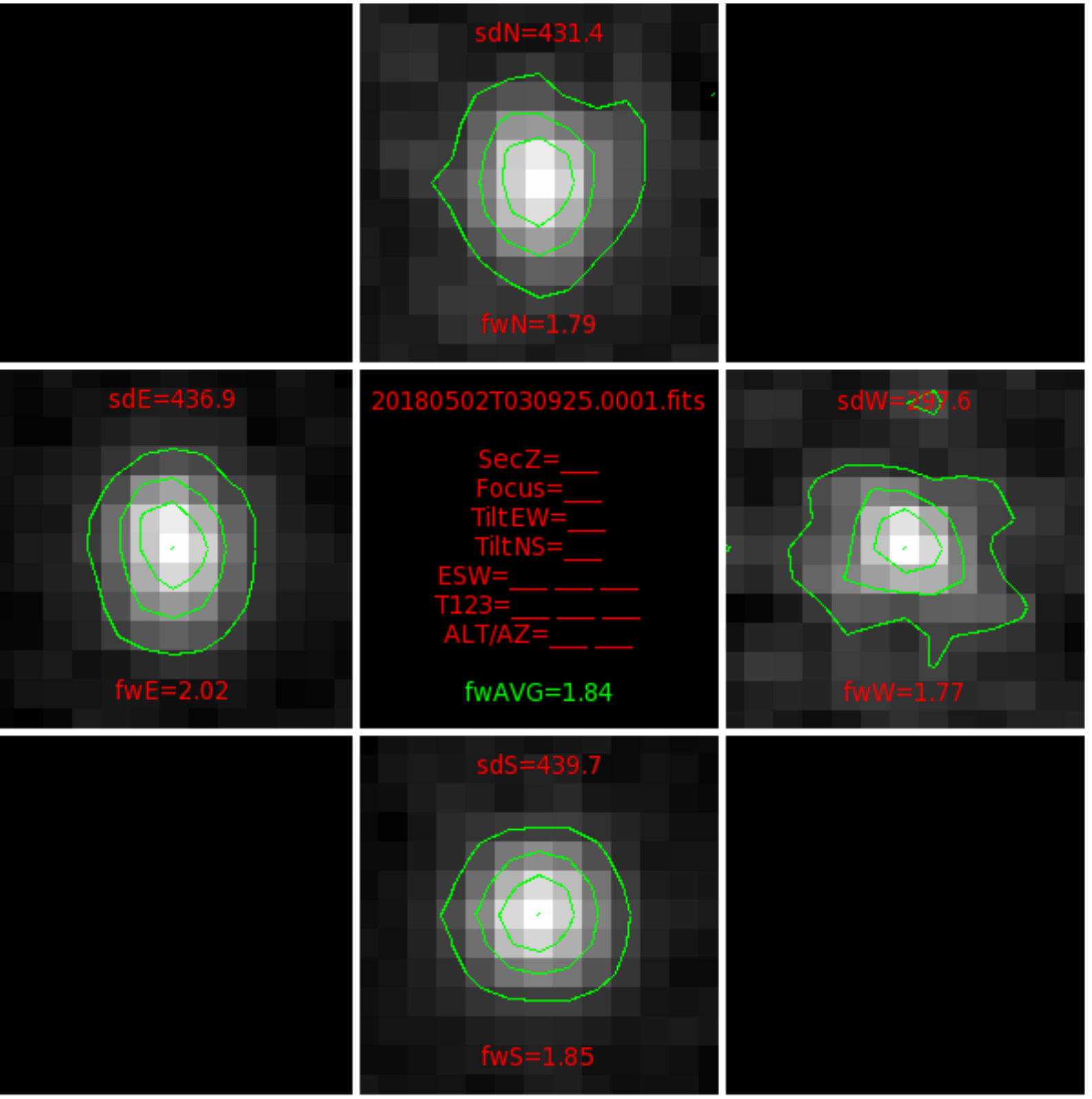
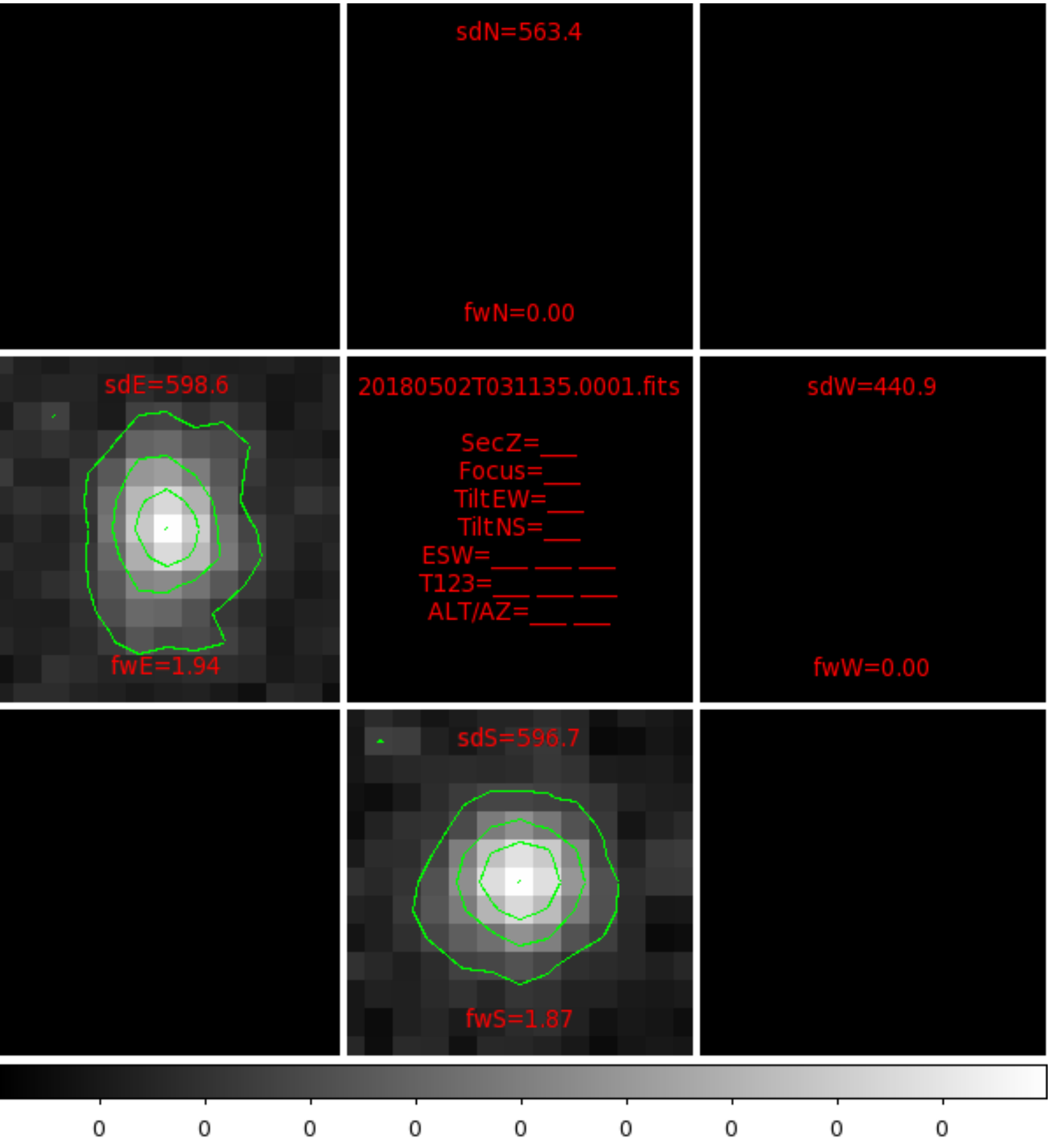
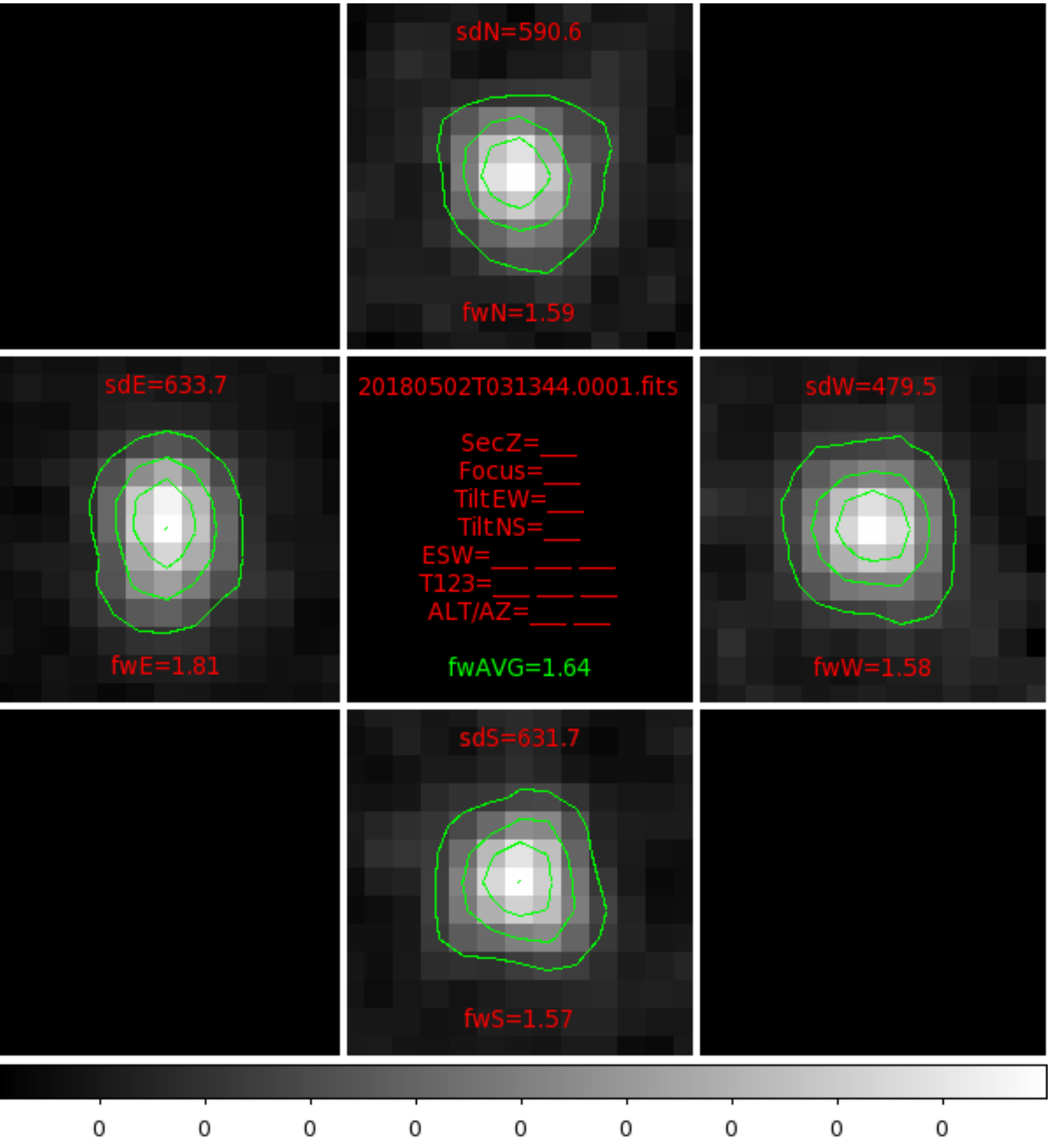

sdN=431.4
fwN=1.79
sdE=436.9
fwE=2.02
20180502T030925.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.84
sdW=297.6
fwW=1.77
sdS=439.7
fwS=1.85
0 0 0 0 0 0 0 0 0


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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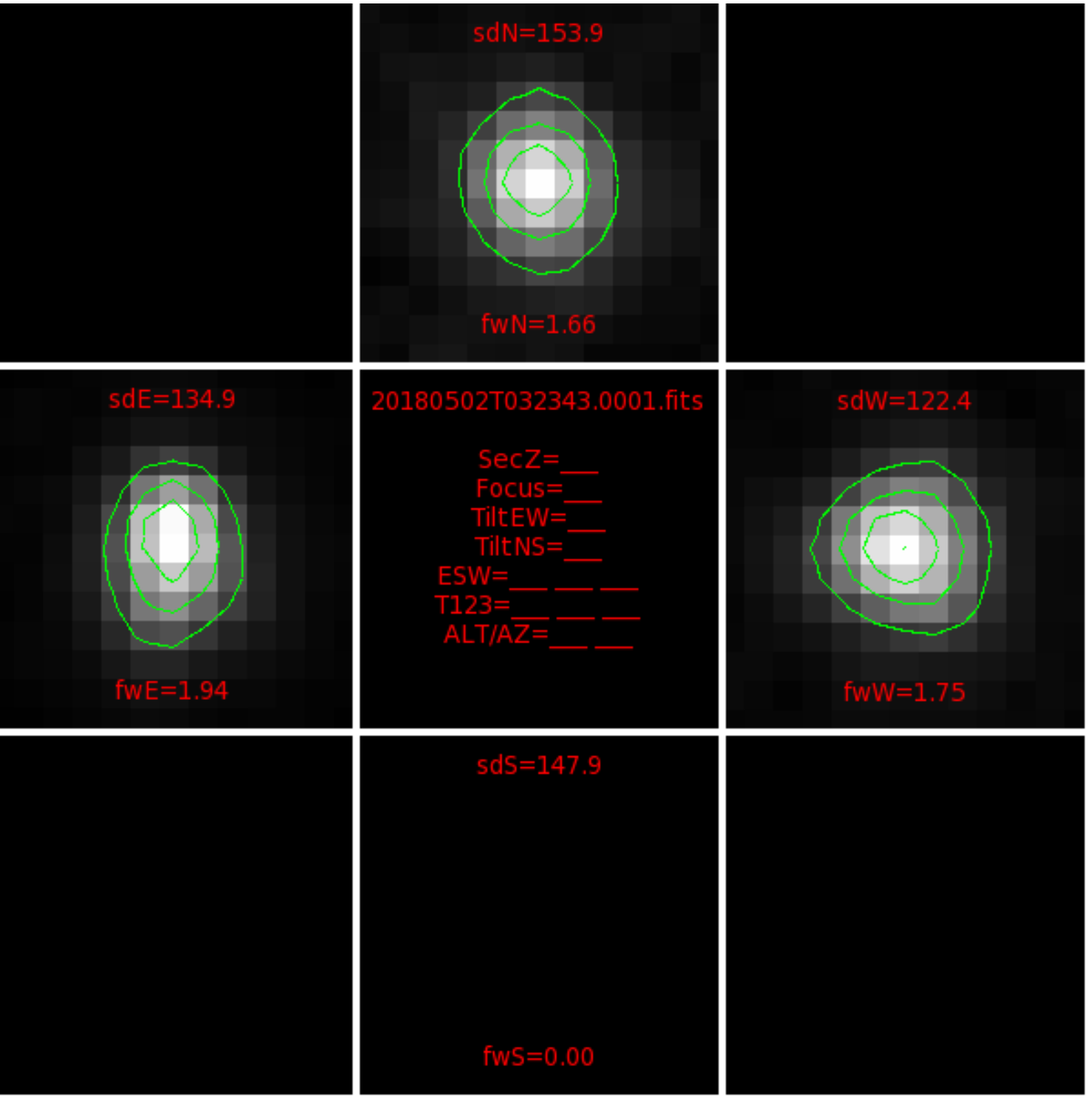
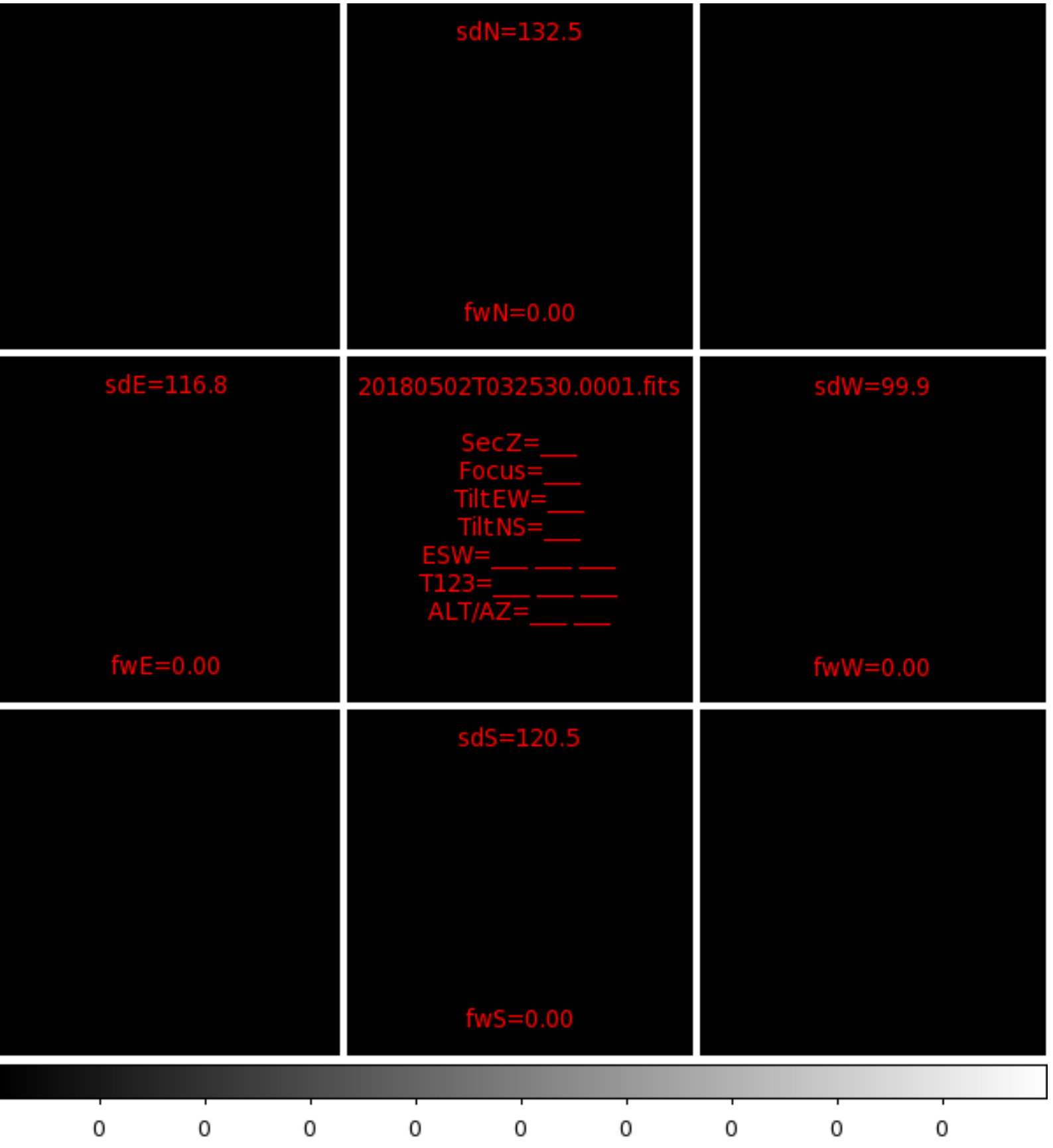
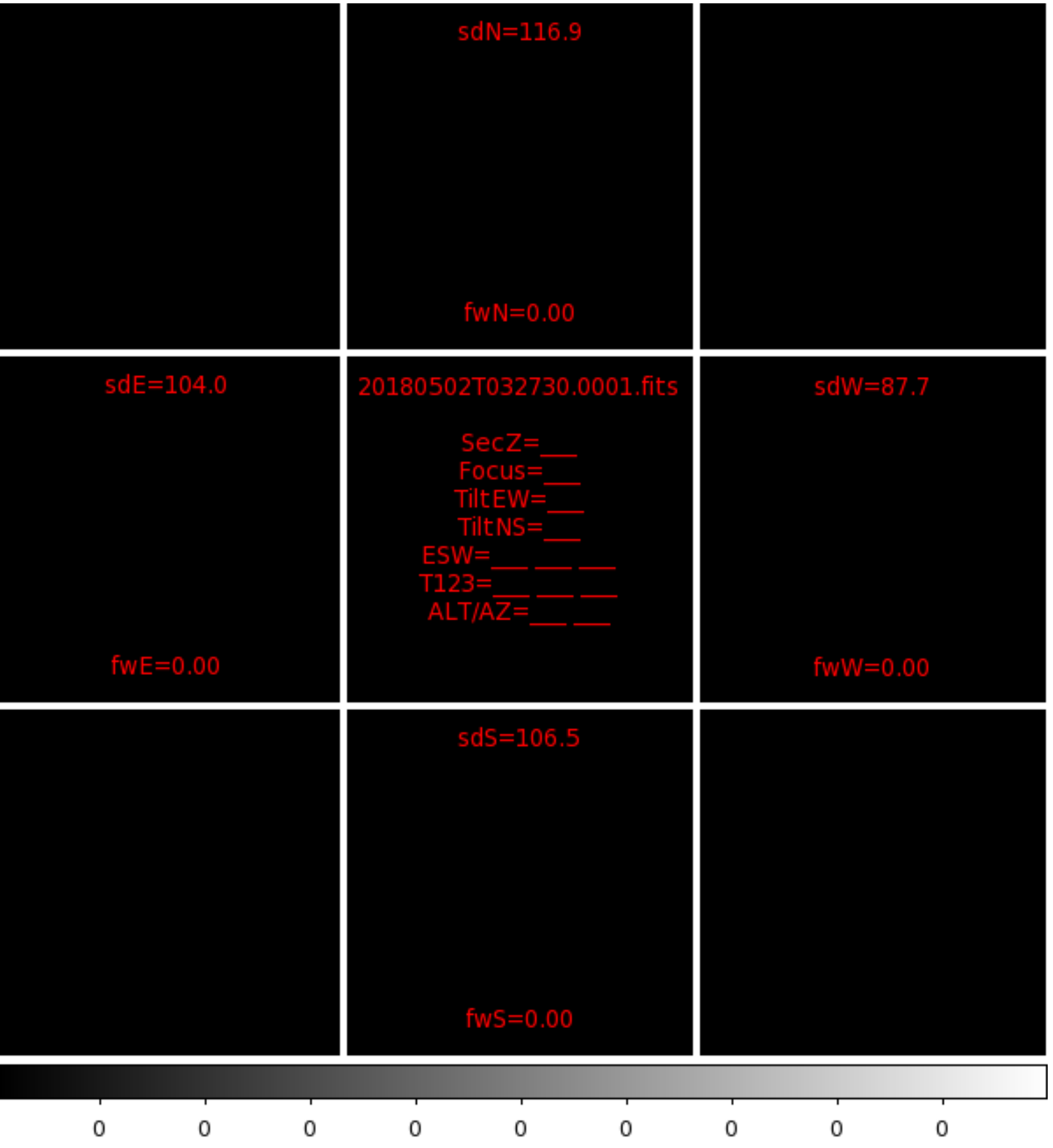
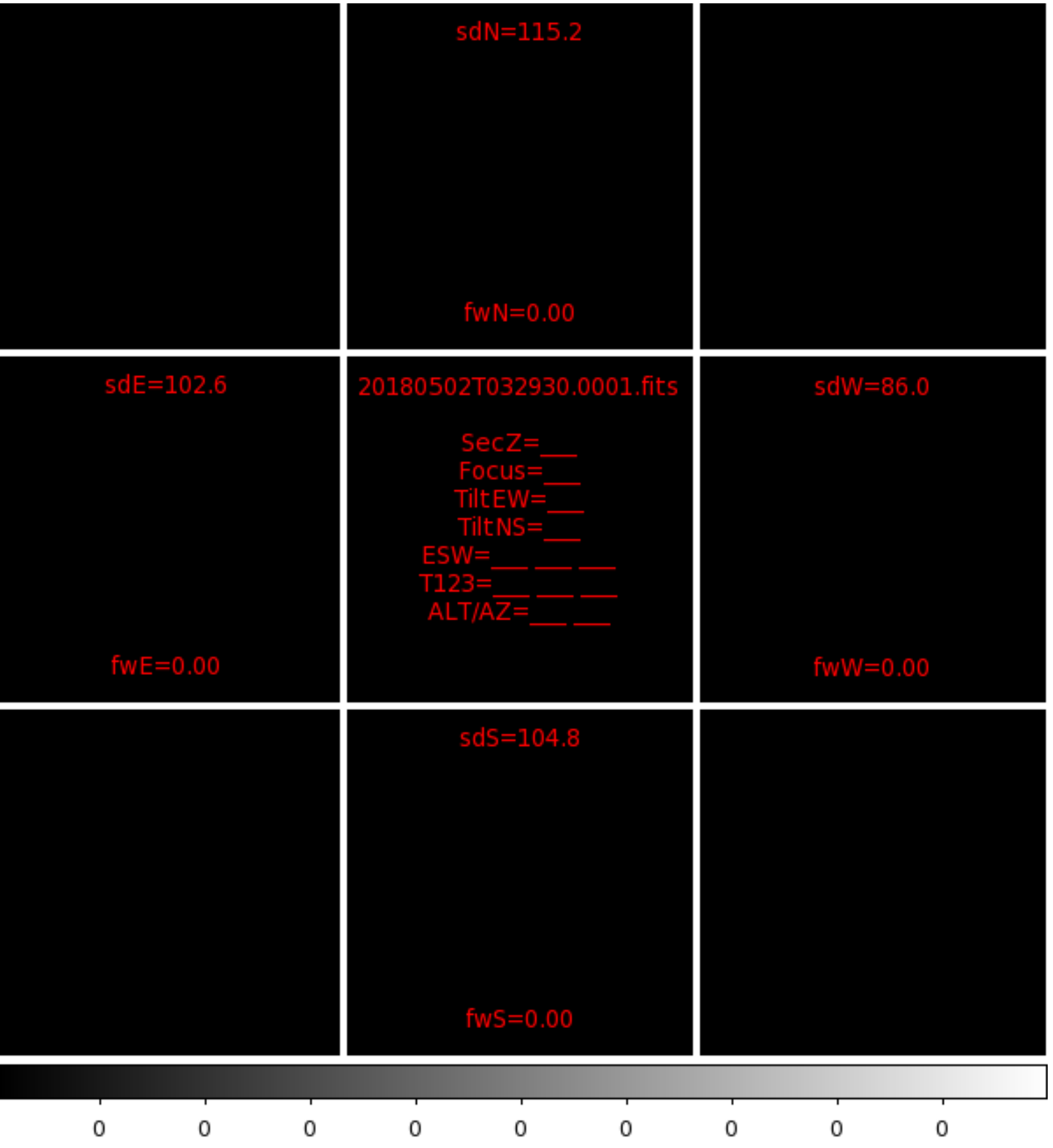

sdN=153.9
fwN=1.66
sdE=134.9
fwE=1.94
20180502T032343.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=122.4
fwW=1.75
sdS=147.9
fwS=0.00
0 0 0 0 0 0 0 0 0

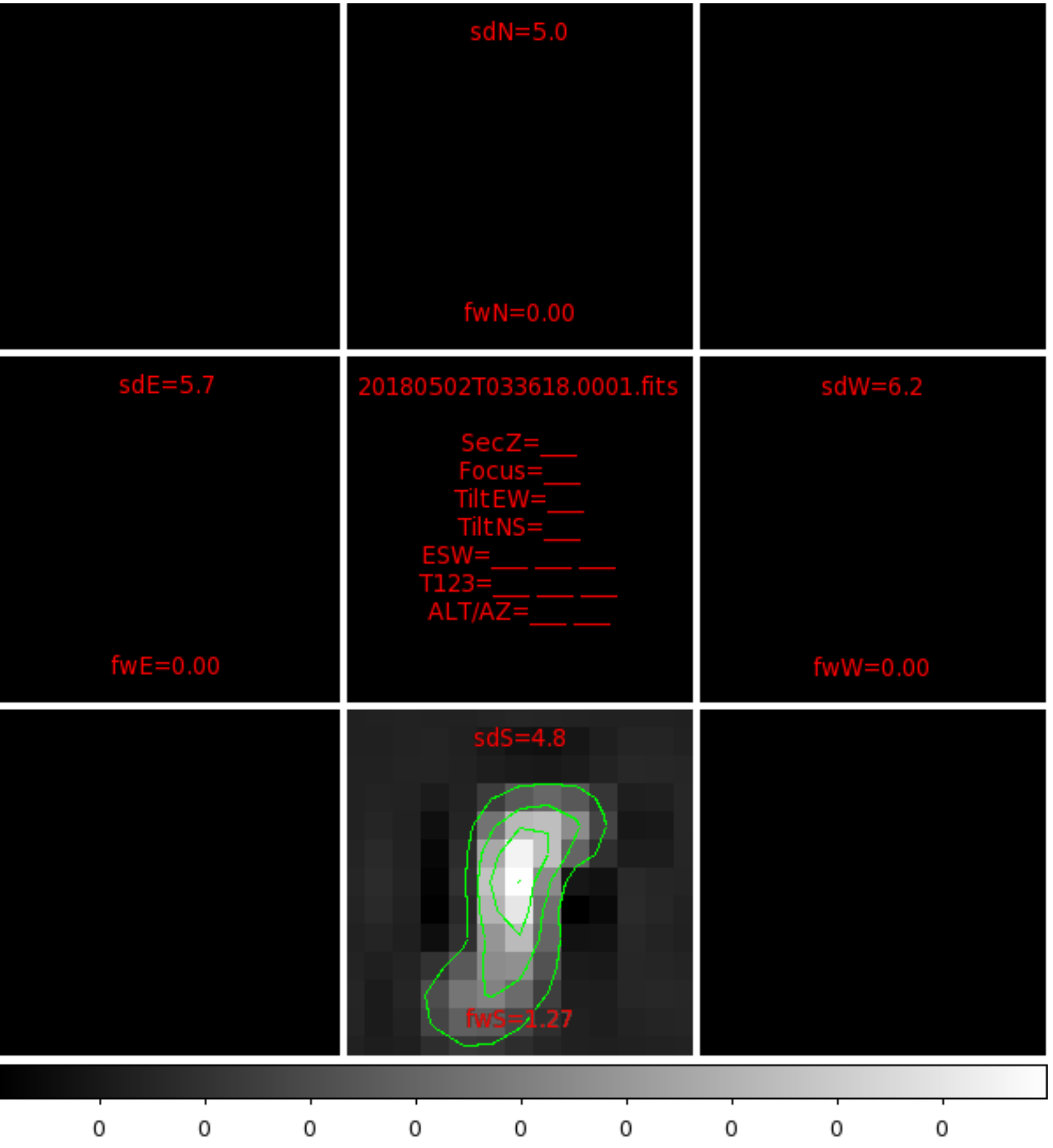

sdN=132.5
fwN=0.00
sdE=116.8
20180502T032530.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=99.9
fwE=0.00
fwW=0.00
sdS=120.5
fwS=0.00
0 0 0 0 0 0 0 0 0

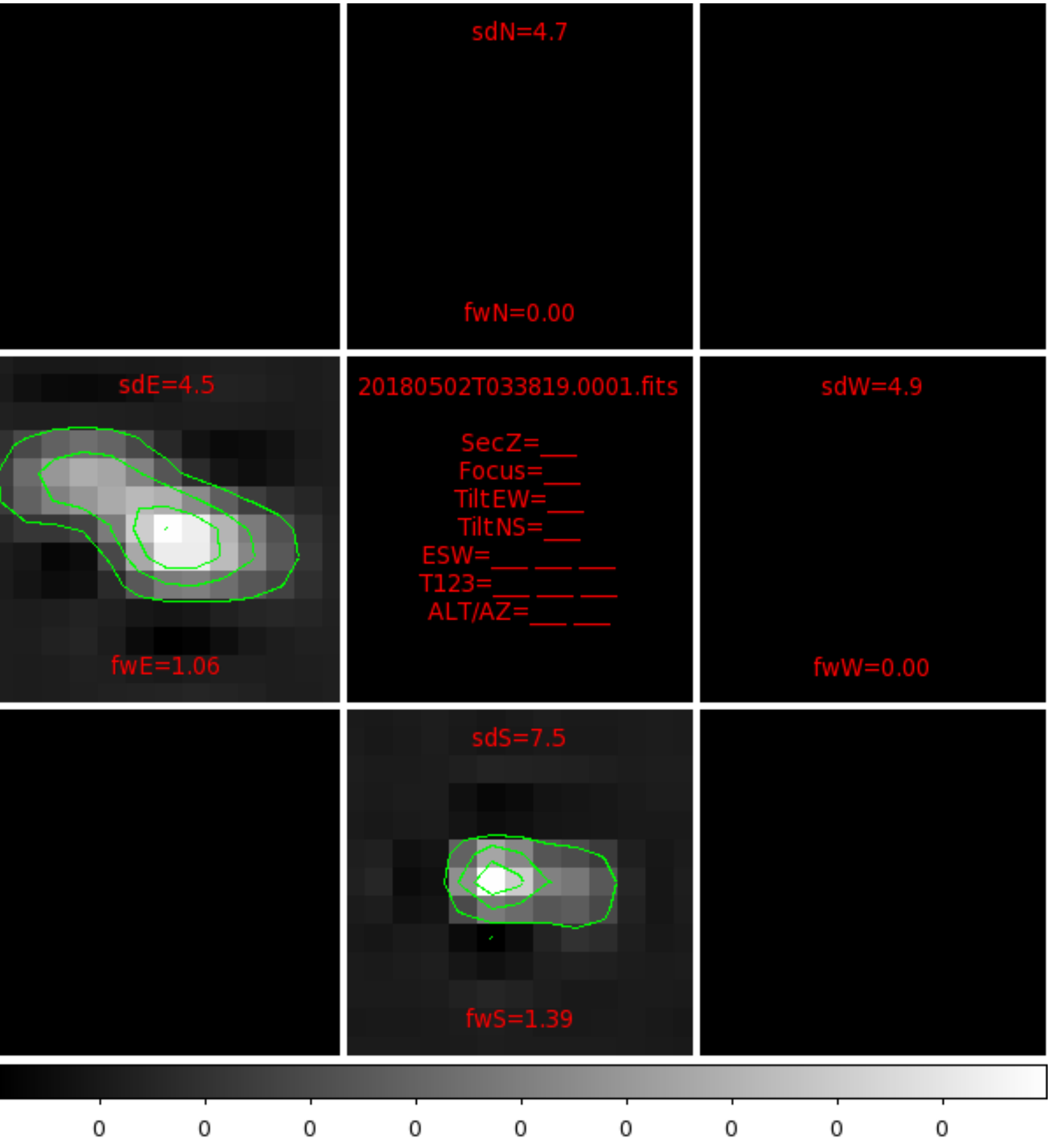

sdN=116.9
fwN=0.00
sdE=104.0
20180502T032730.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=87.7
fwE=0.00
fwW=0.00
sdS=106.5
fwS=0.00
0 0 0 0 0 0 0 0 0


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
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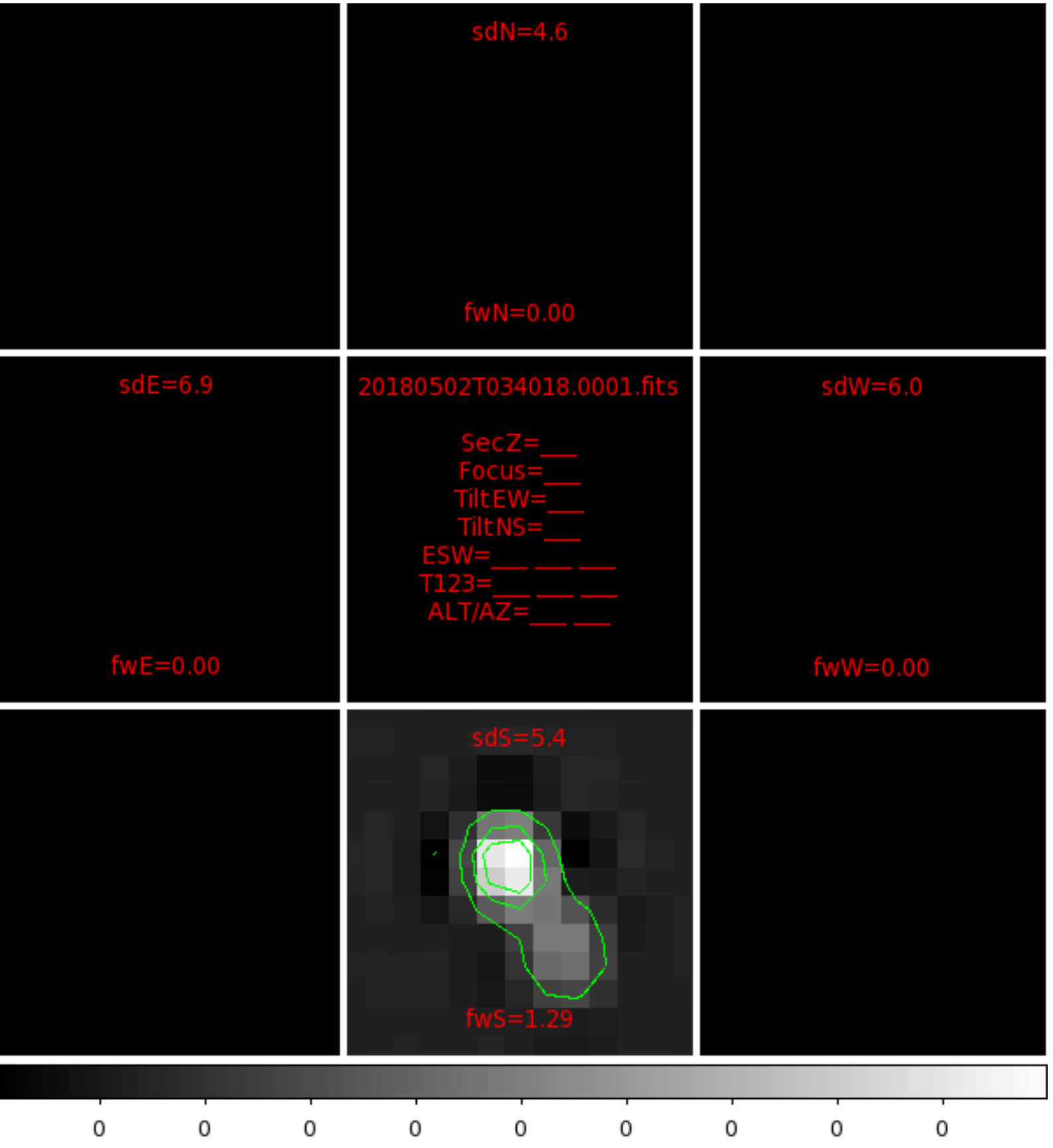
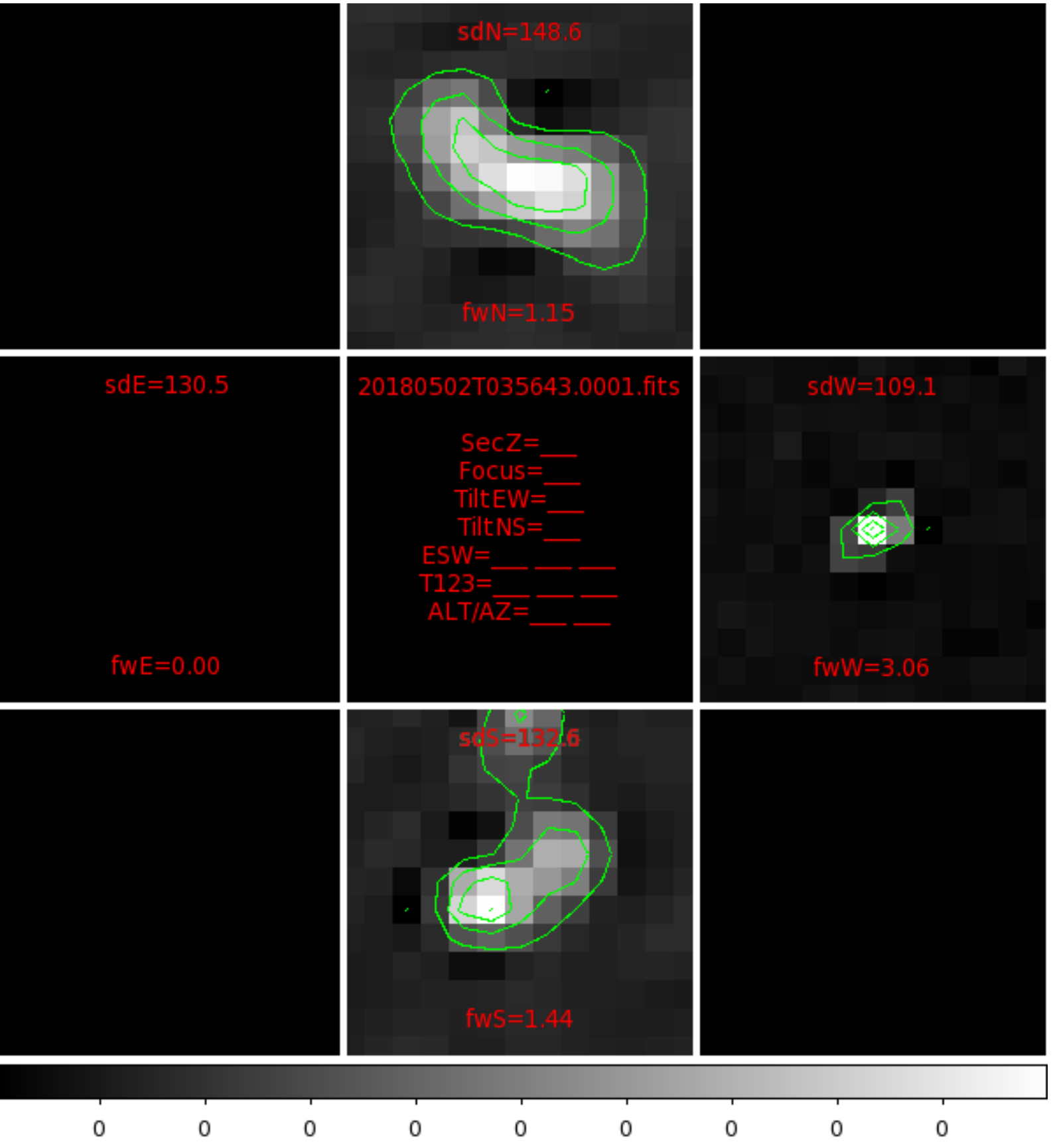
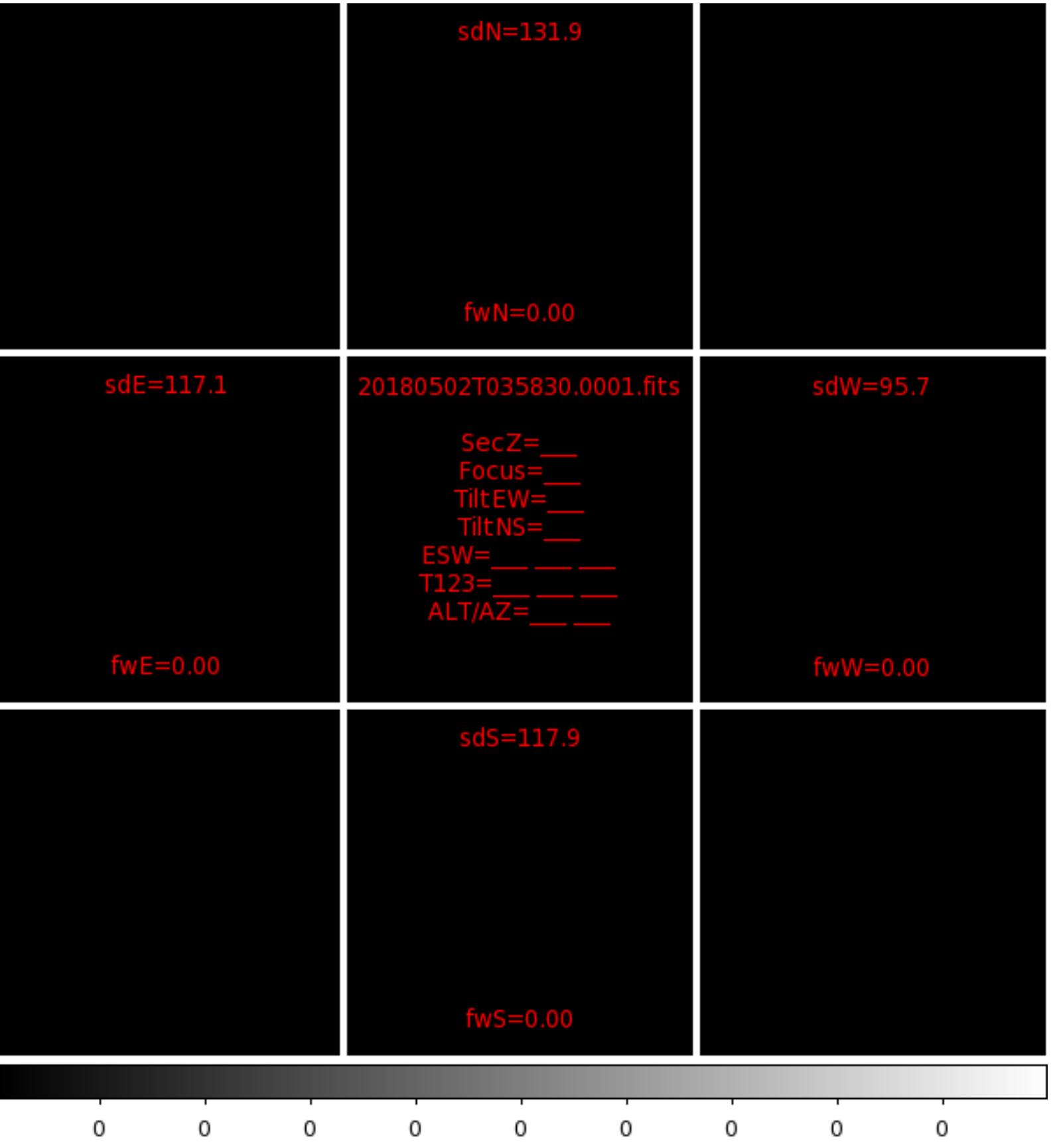
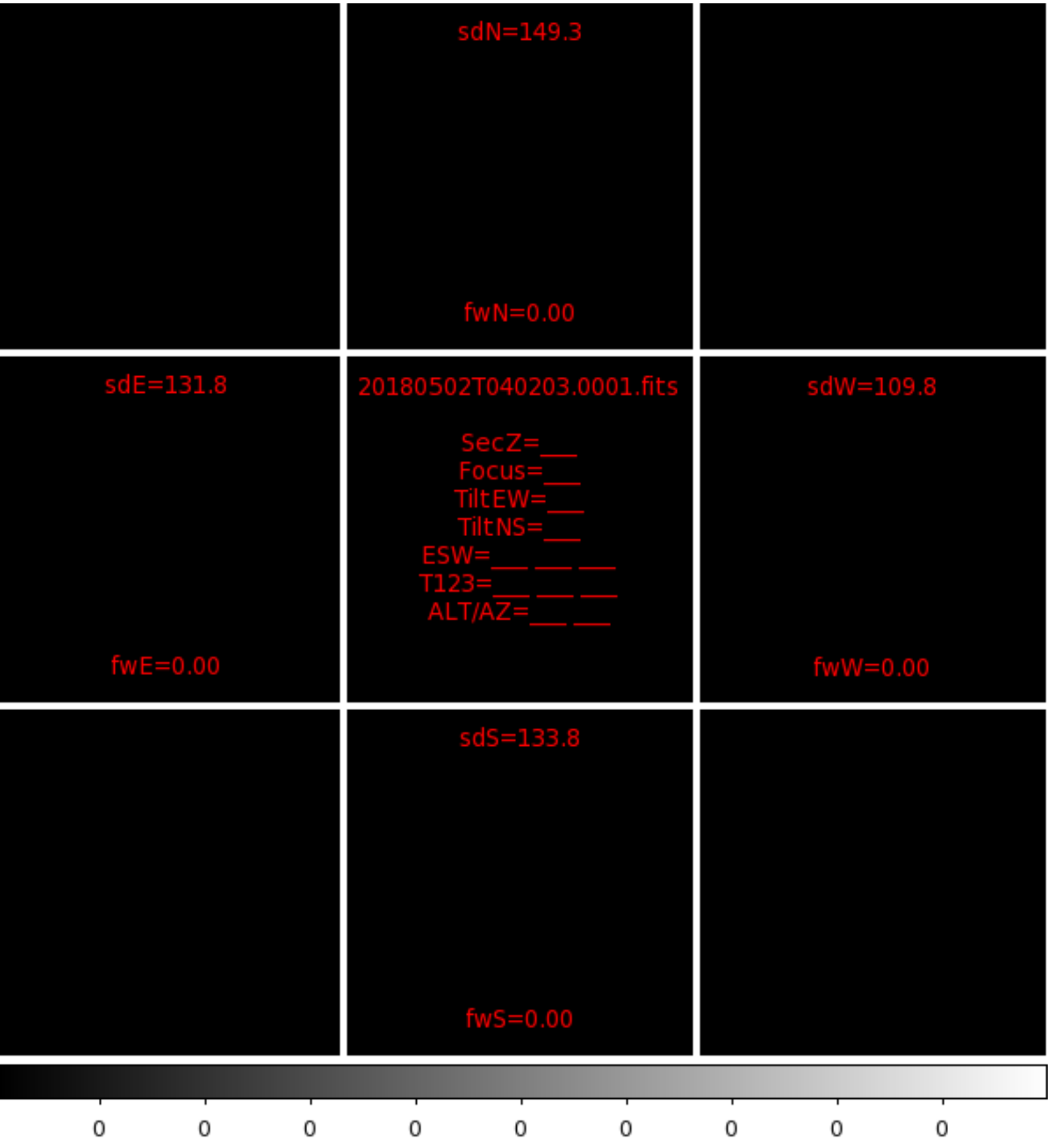

sdN=4.6
fwN=0.00
sdE=6.9
20180502T034018.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=6.0
fwE=0.00
fwW=0.00
sdS=5.4
fwS=1.29
0 0 0 0 0 0 0 0 0

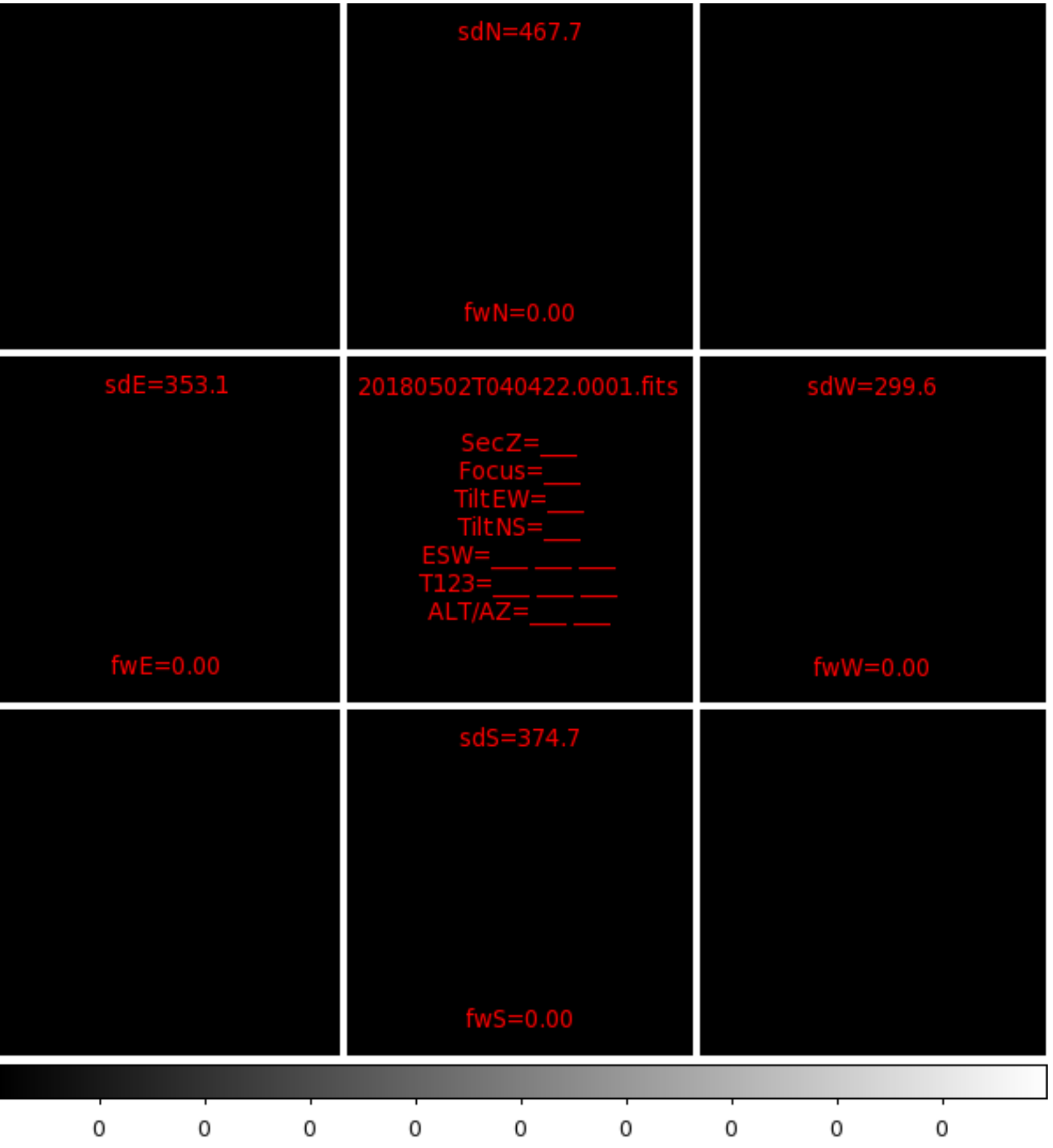
sdN=6.3
fwN=0.00
sdE=4.0
20180502T034217.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=5.2
fwE=0.00
fwW=0.00
sdS=8.0
fwS=0.00
0 0 0 0 0 0 0 0 0

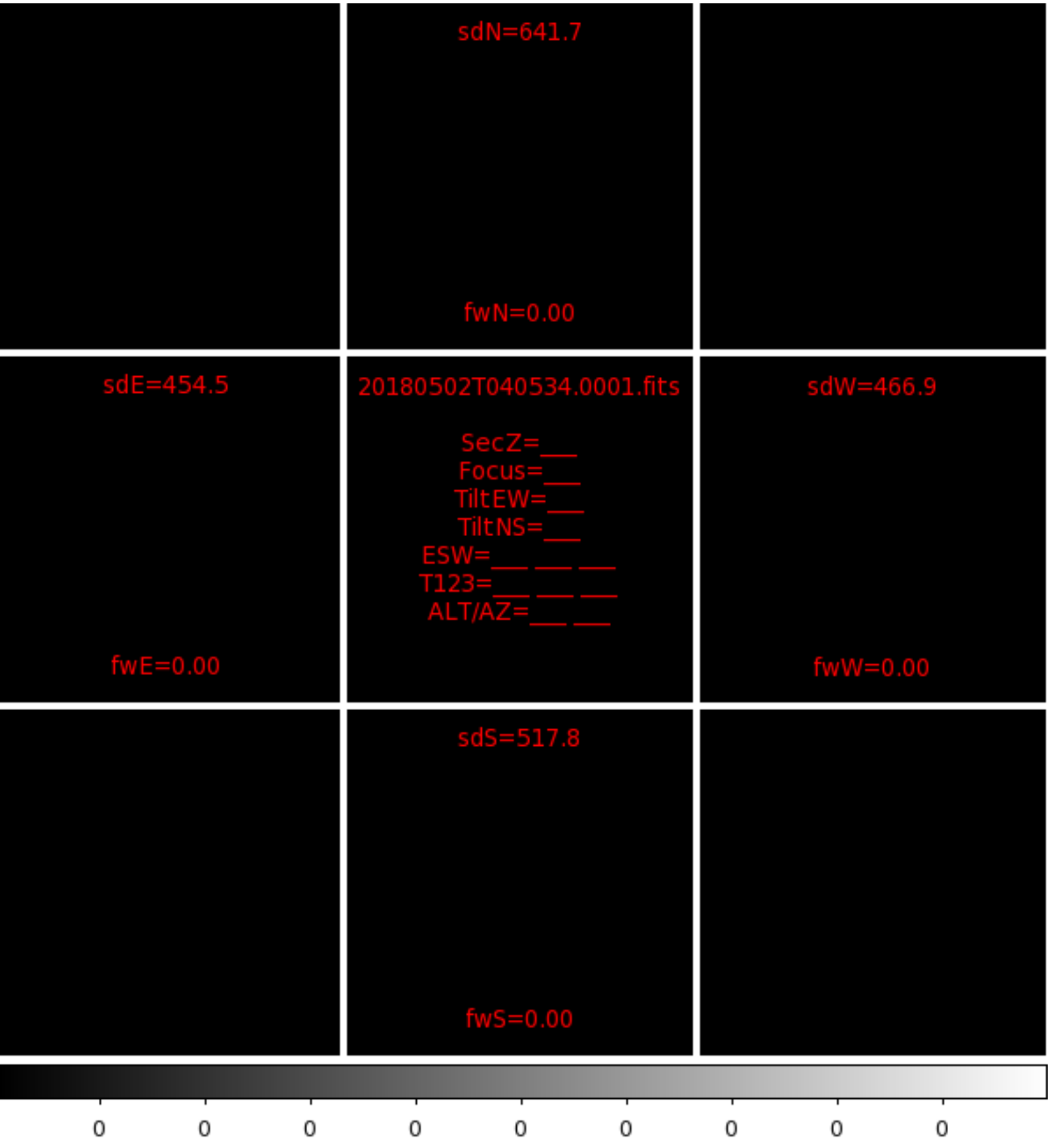

sdN=148.6
fwN=1.15
sdE=130.5
fwE=0.00
20180502T035643.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=109.1
fwW=3.06
sdS=132.6
fwS=1.44
0 0 0 0 0 0 0 0 0

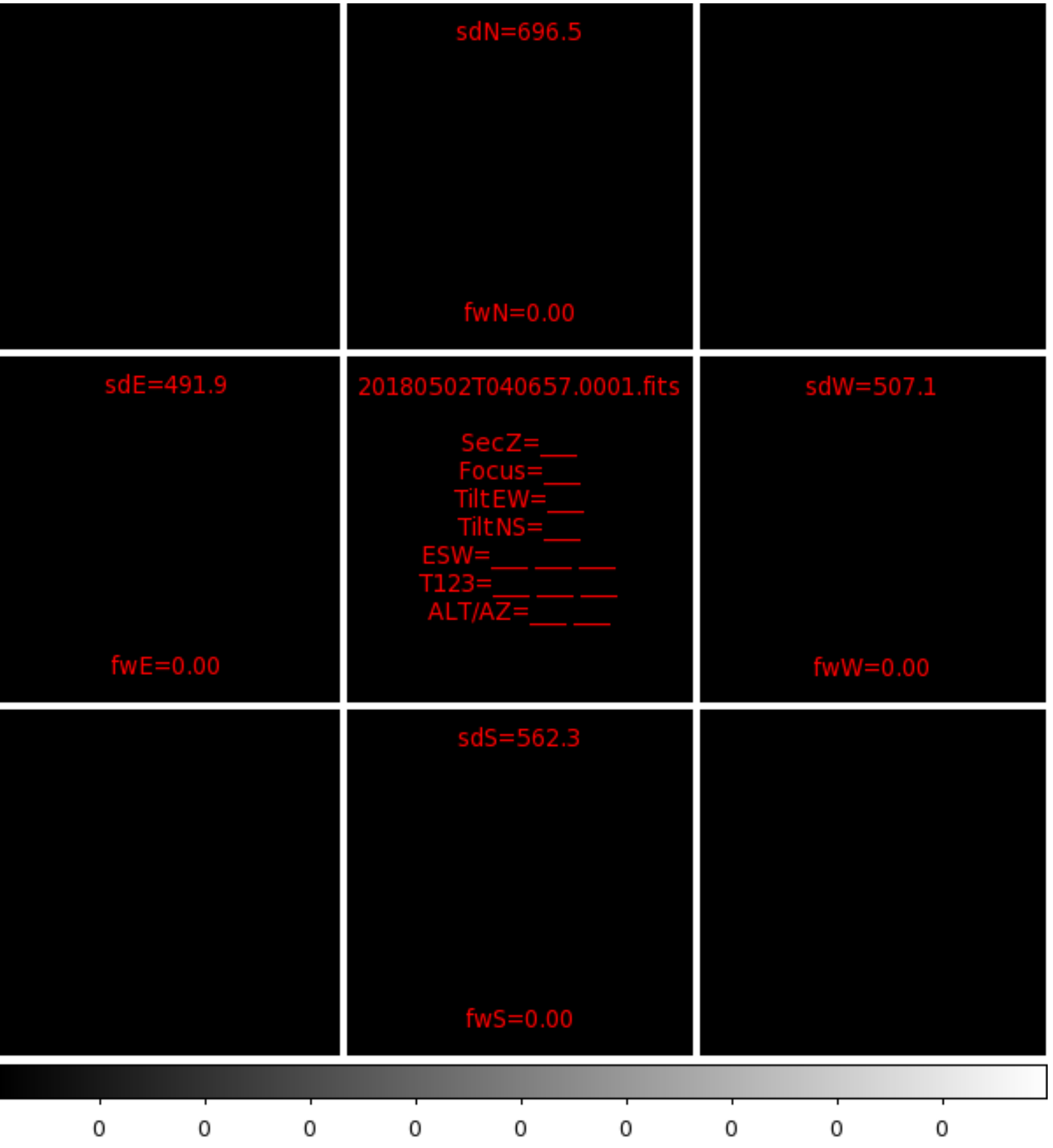

sdN=131.9
fwN=0.00
sdE=117.1
20180502T035830.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=95.7
fwE=0.00
fwW=0.00
sdS=117.9
fwS=0.00
0 0 0 0 0 0 0 0 0

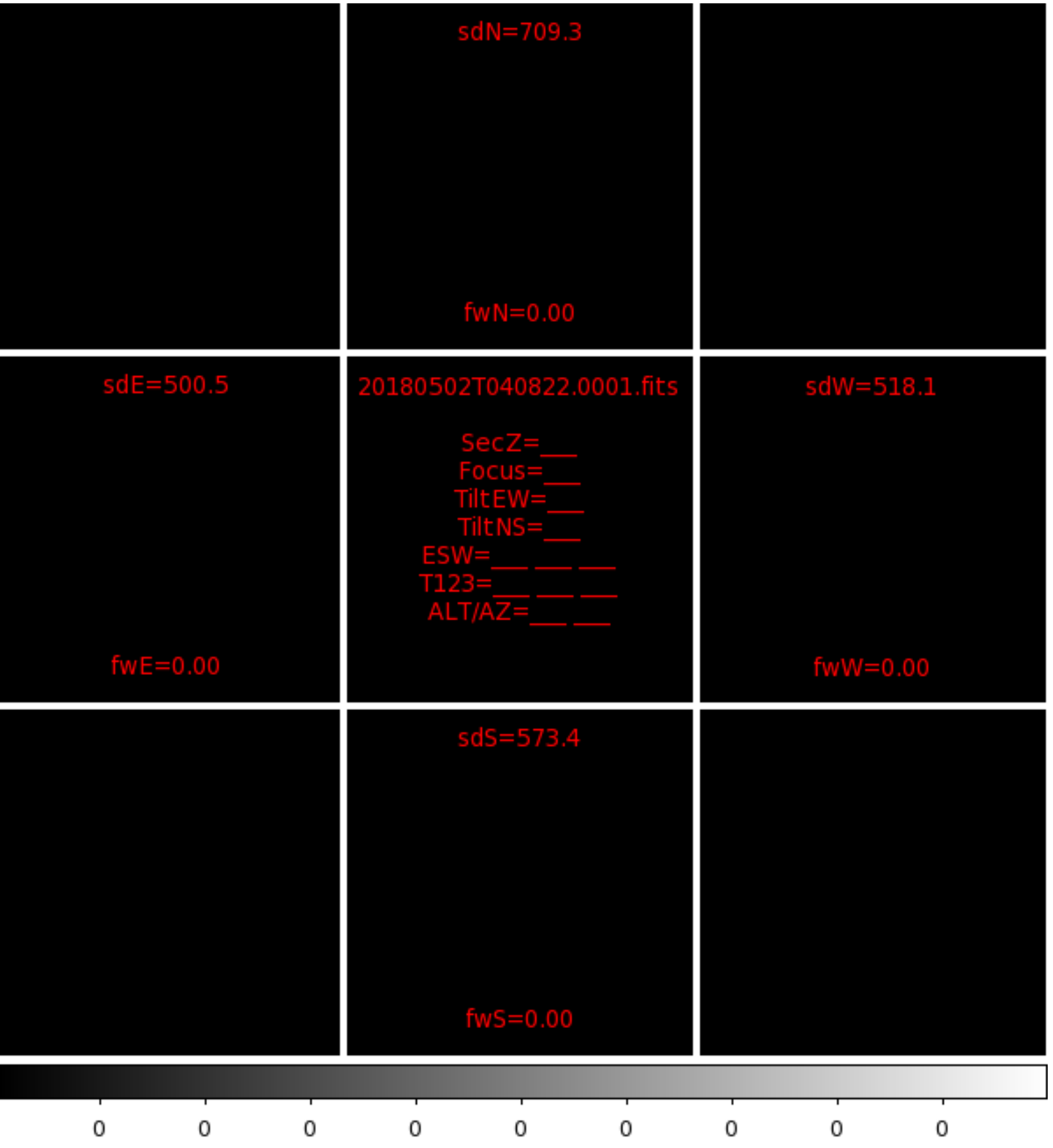
sdN=146.5
fwN=0.00
sdE=129.3
fwE=0.00
20180502T040017.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=107.4
fwW=0.00
sdS=131.2
fwS=0.00
0 0 0 0 0 0 0 0 0


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
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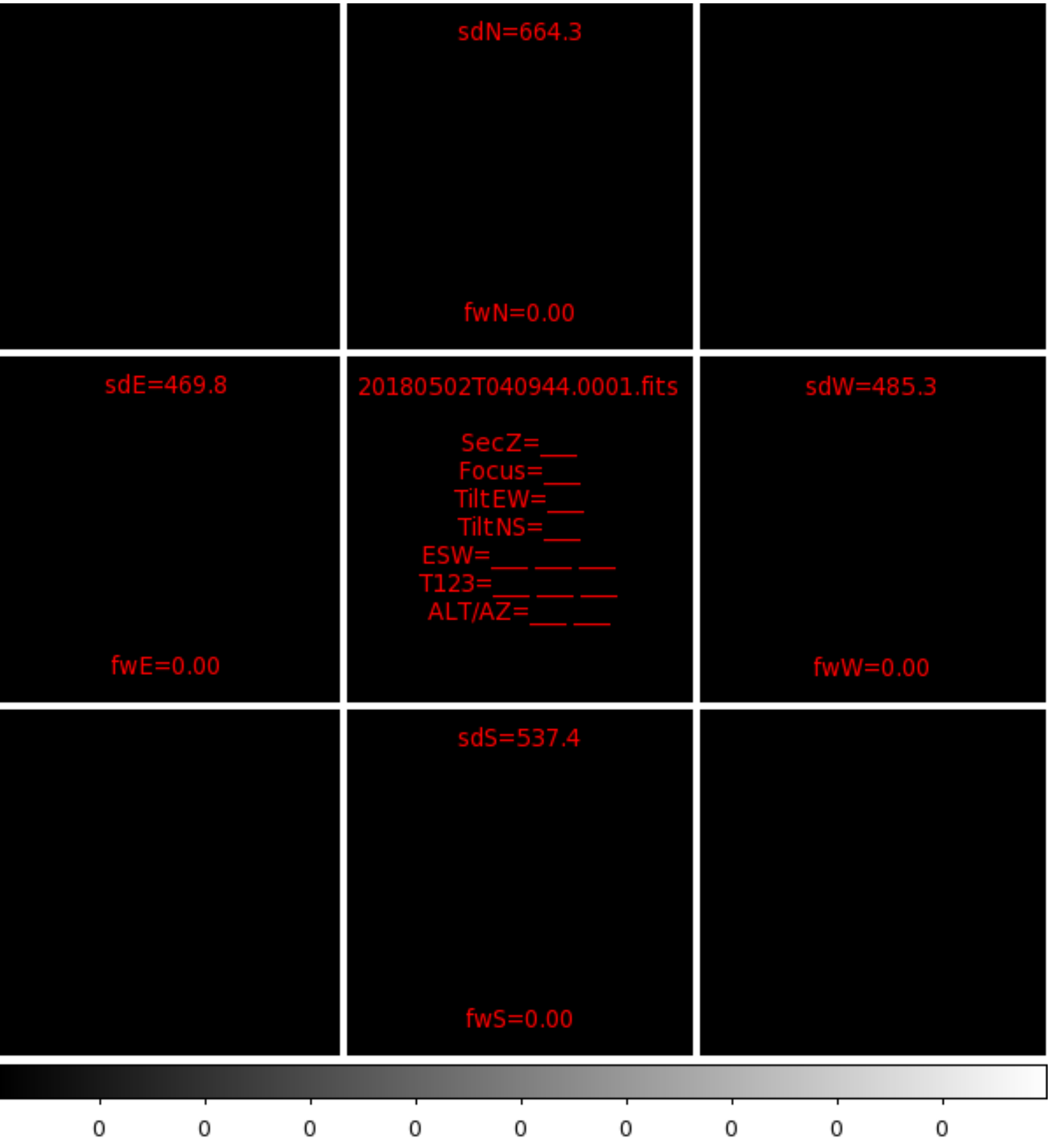
sdN=664.3
fwN=0.00
sdE=469.8
fwE=0.00
20180502T040944.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=485.3
fwW=0.00
sdS=537.4
fwS=0.00
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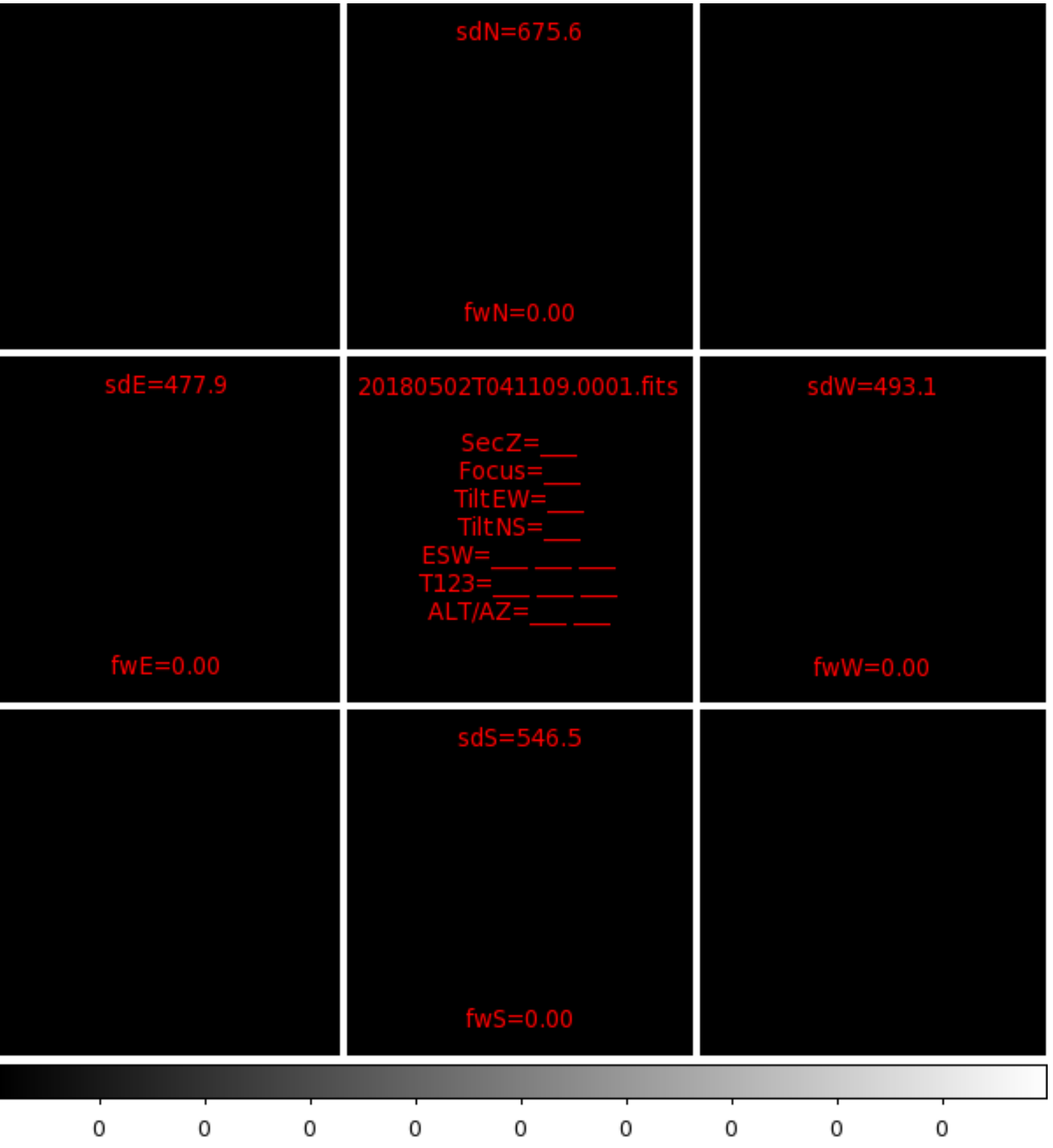
sdN=675.6
fwN=0.00
sdE=477.9
fwE=0.00
20180502T041109.0001.fits
SecZ=___
Focus=___
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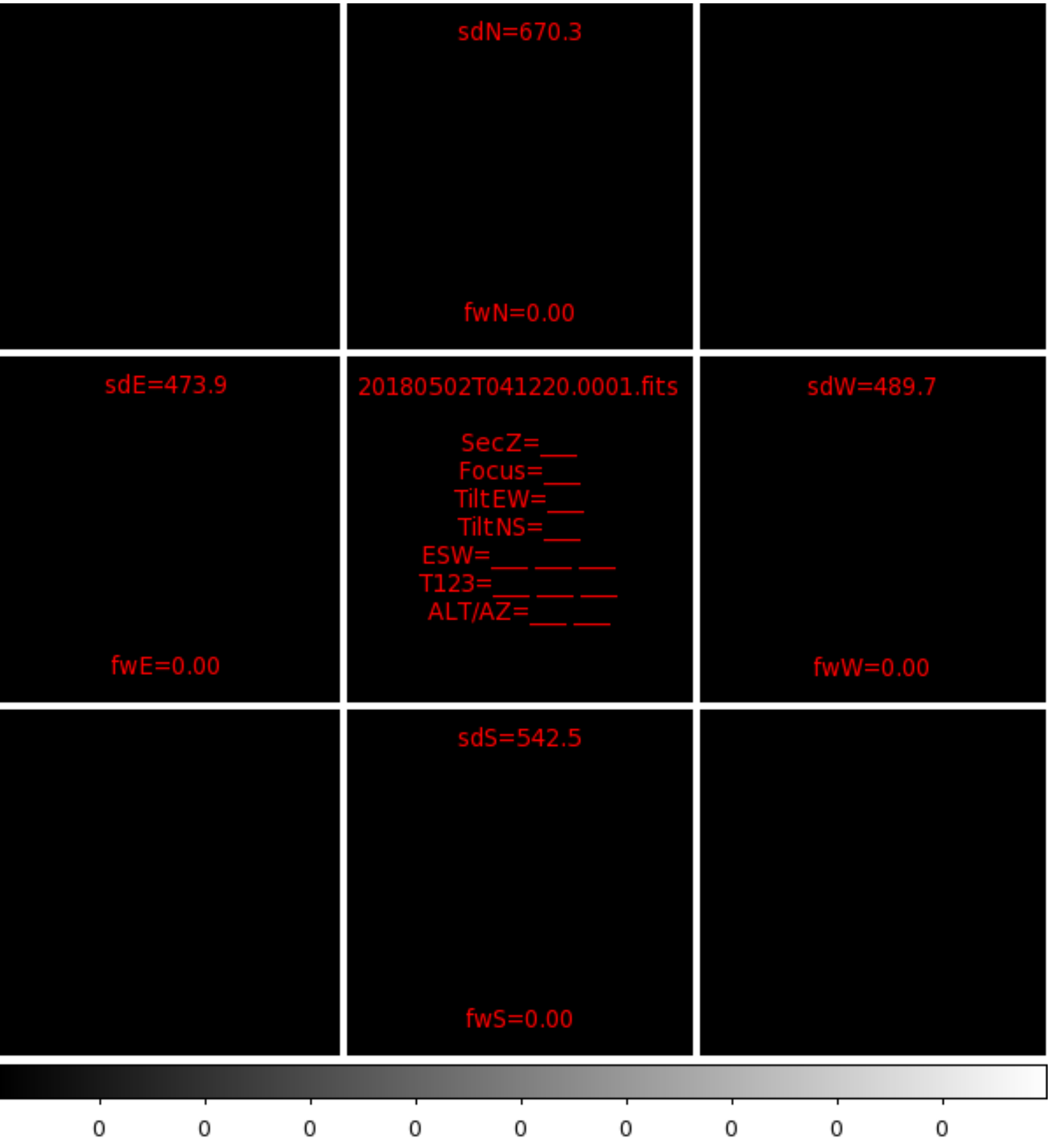
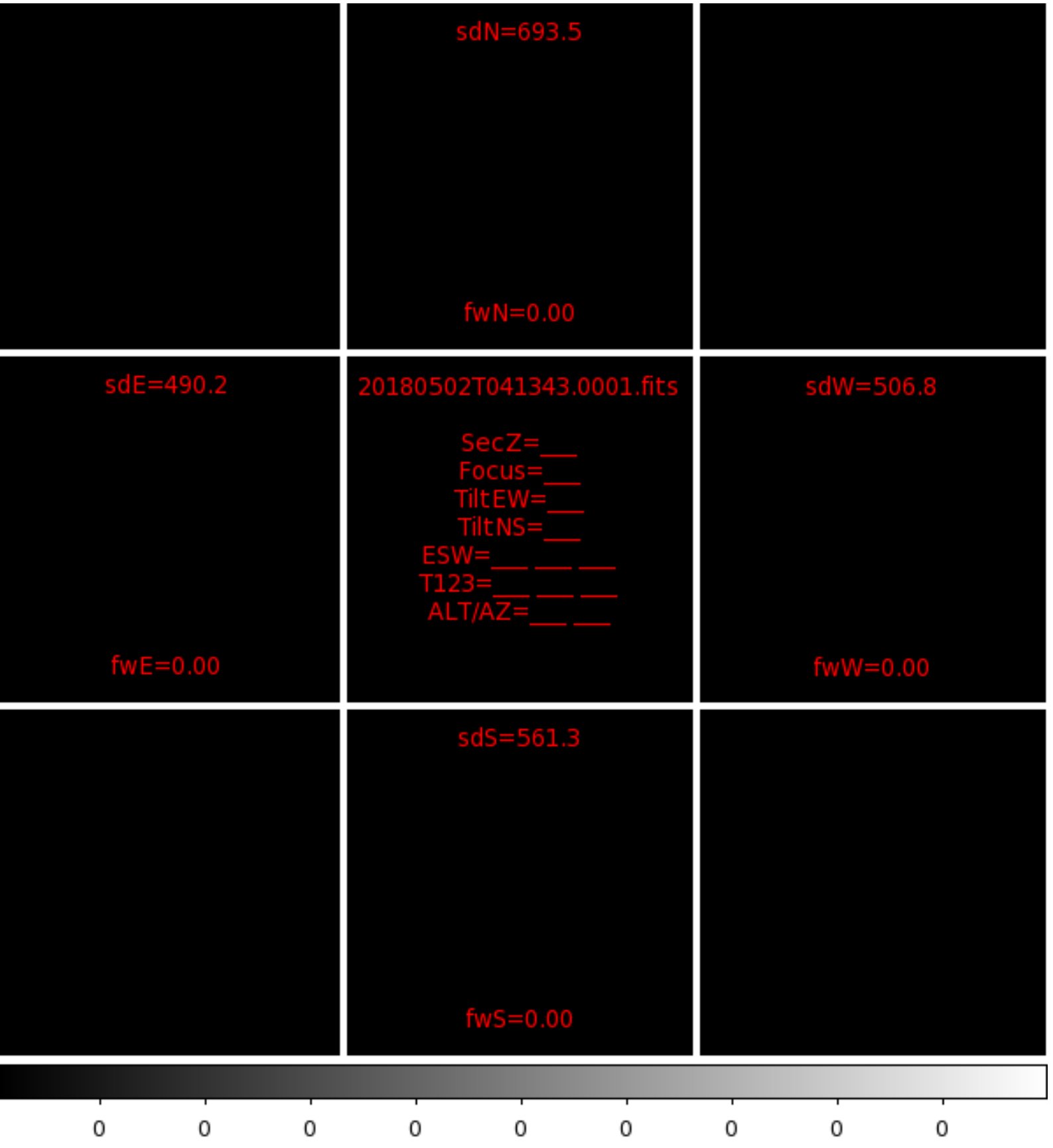
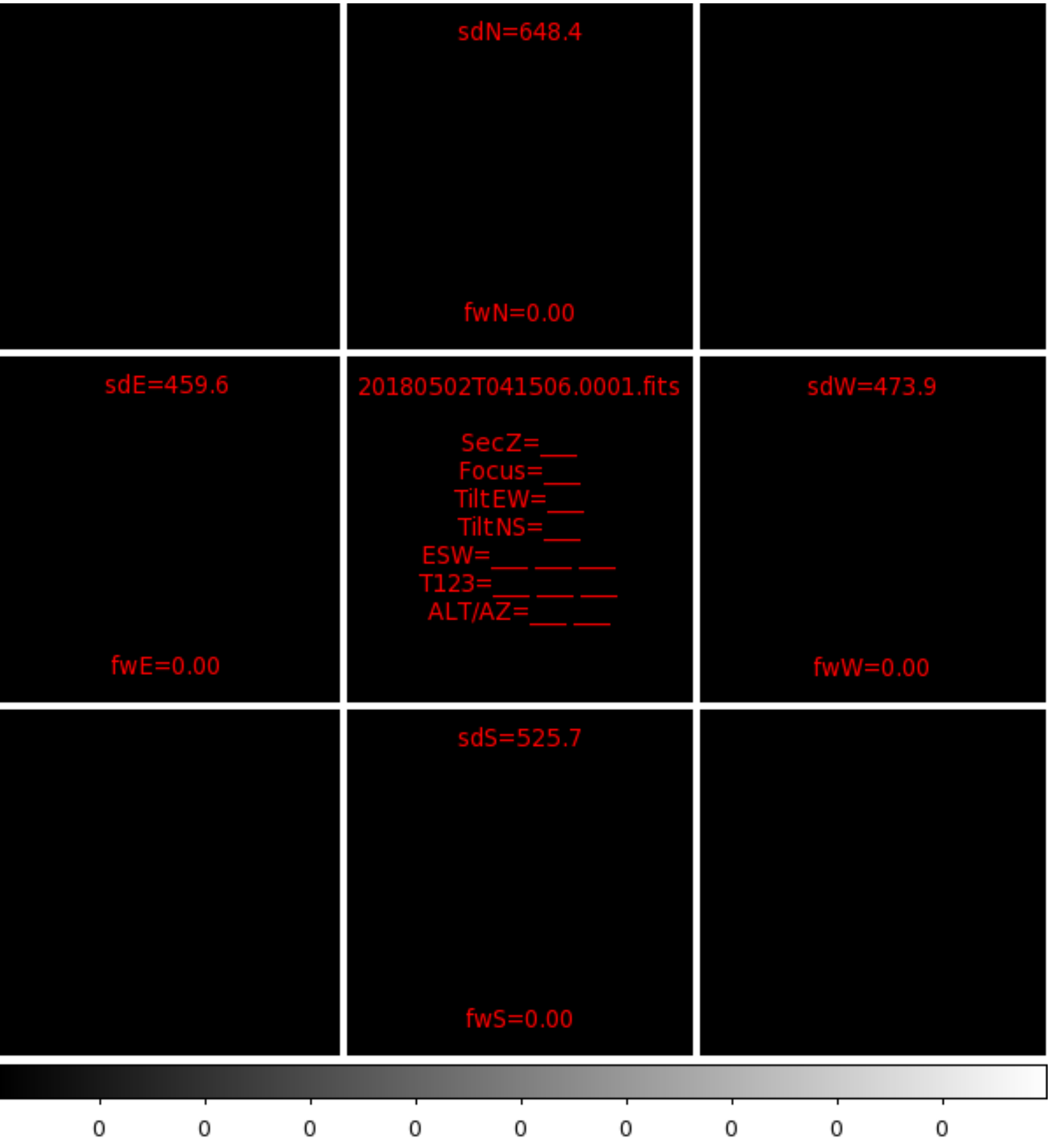
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=493.1
fwW=0.00
sdS=546.5
fwS=0.00
0 0 0 0 0 0 0 0 0


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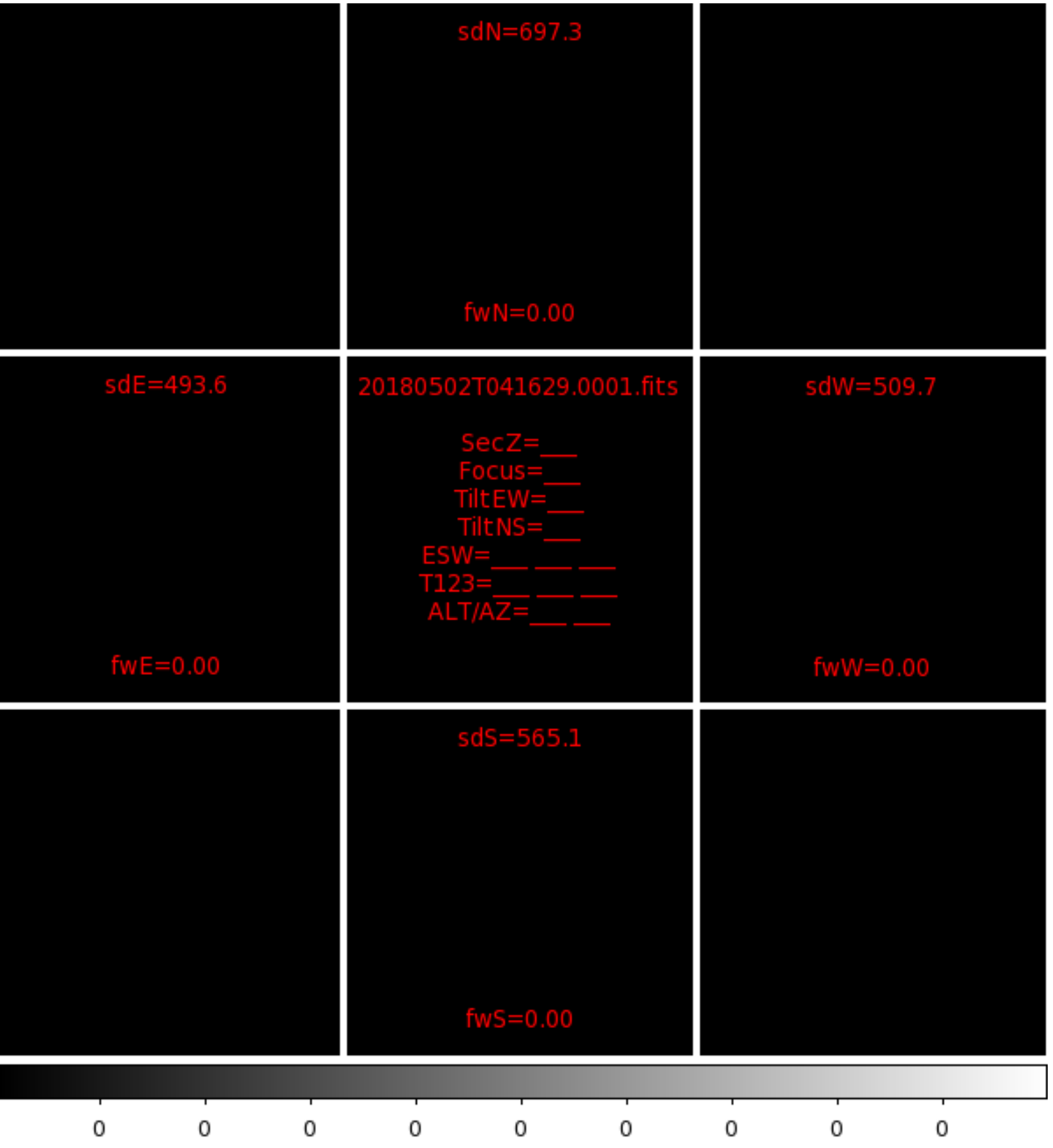
sdN=697.3
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sdE=493.6
20180502T041629.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=509.7
fwE=0.00
fwW=0.00
sdS=565.1
fwS=0.00
0 0 0 0 0 0 0 0 0

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
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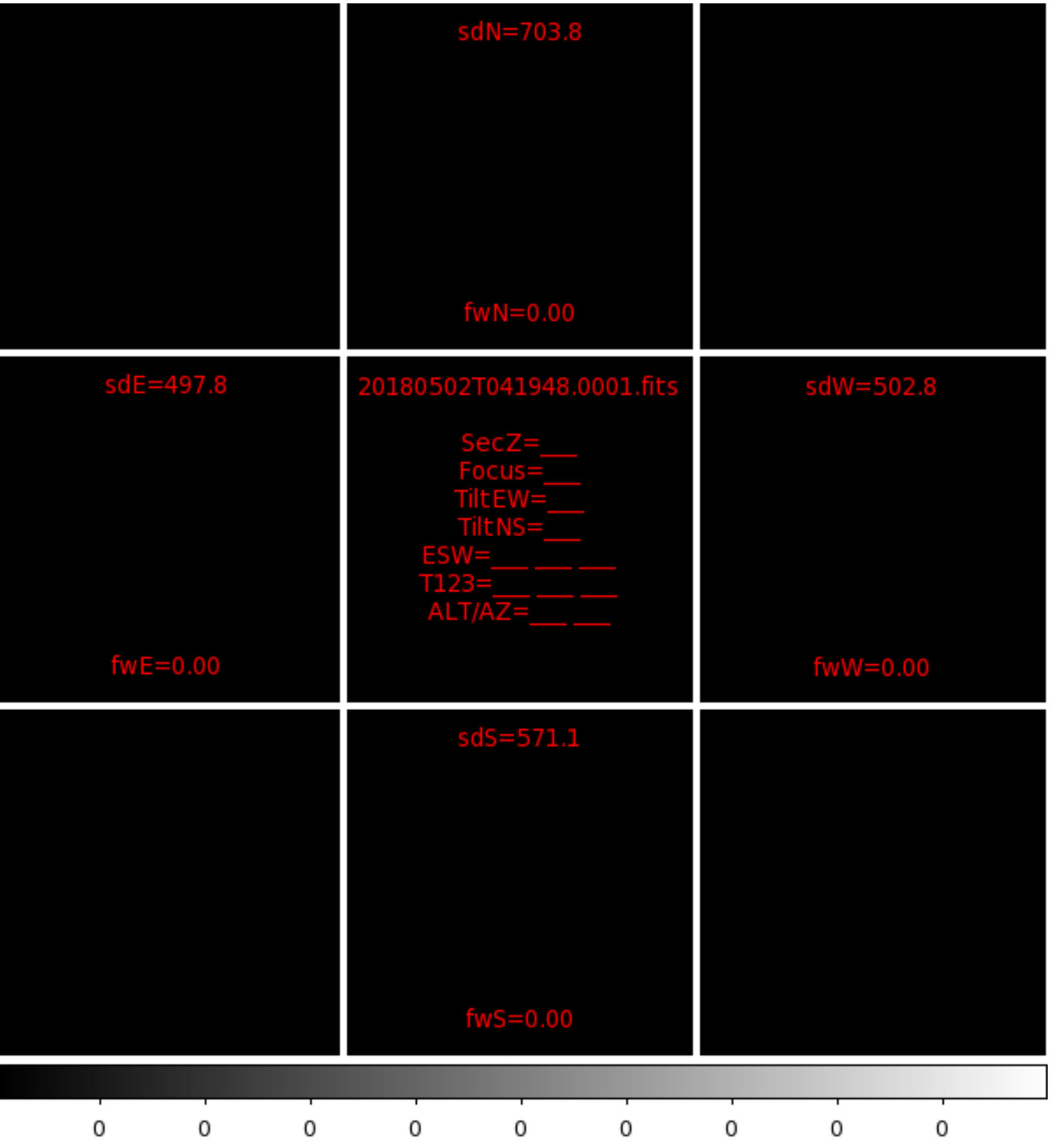
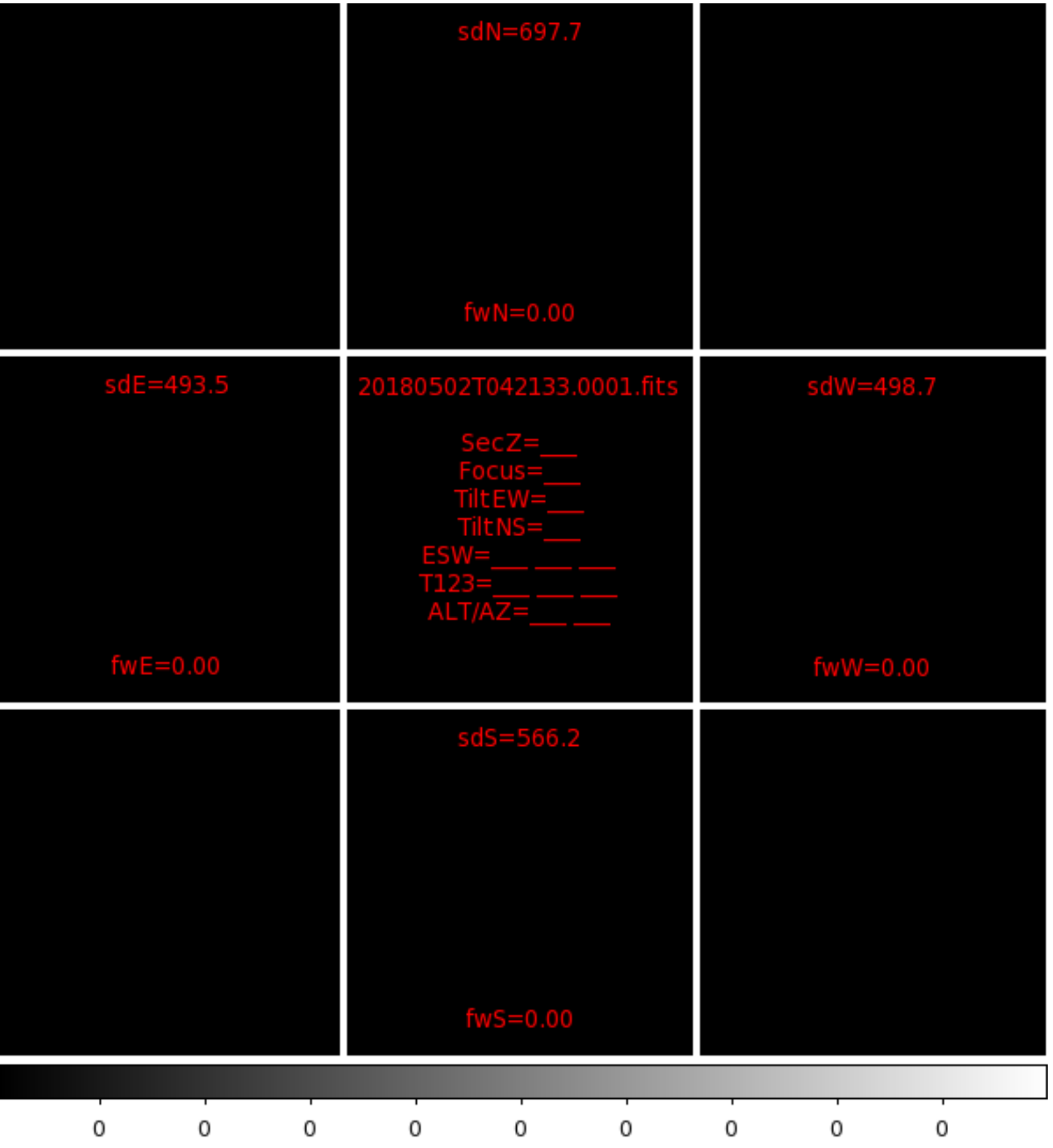

sdN=703.8
fwN=0.00
sdE=497.8
fwE=0.00
20180502T041948.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=502.8
fwW=0.00
sdS=571.1
fwS=0.00
0 0 0 0 0 0 0 0 0


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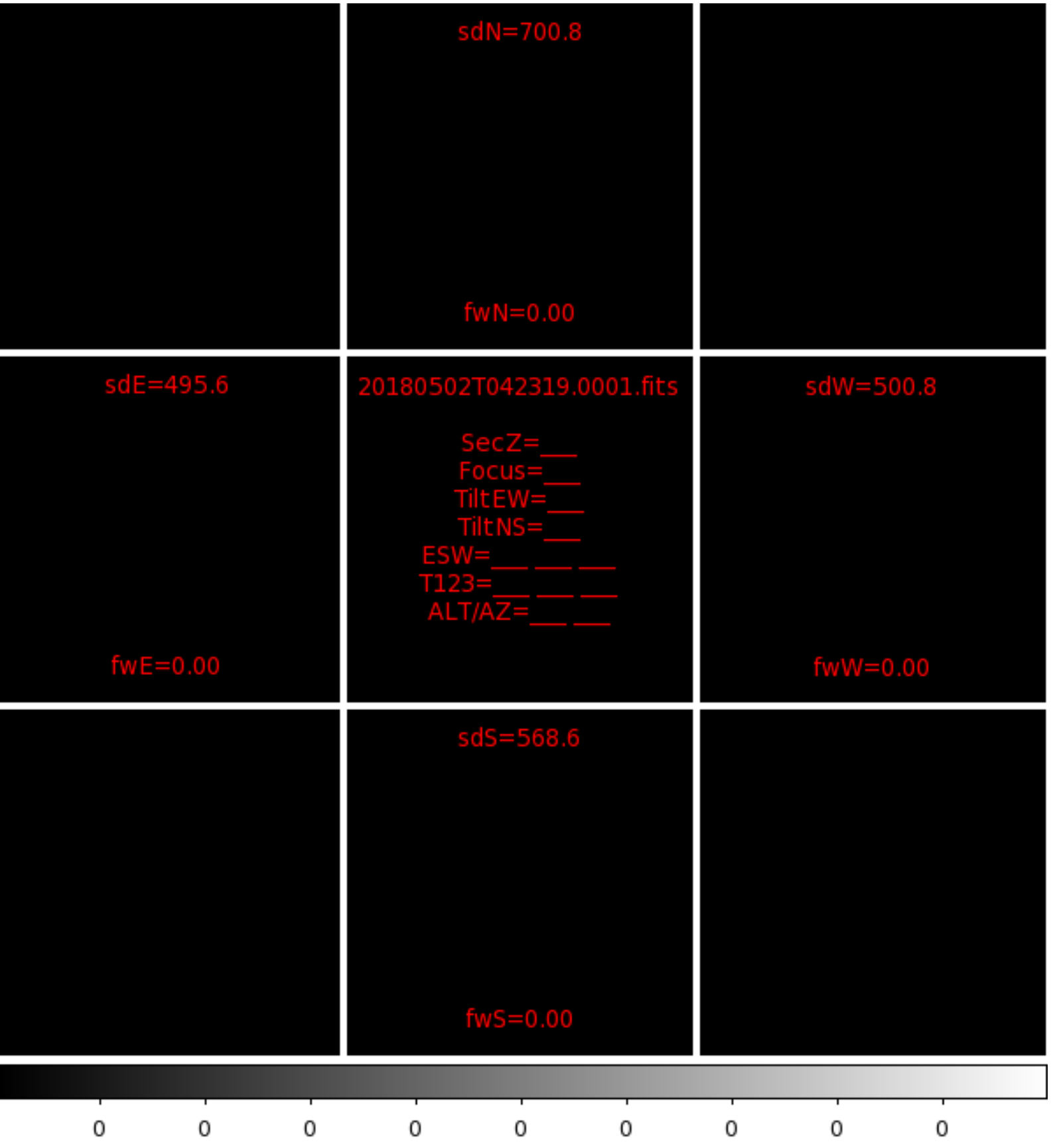
sdN=700.8
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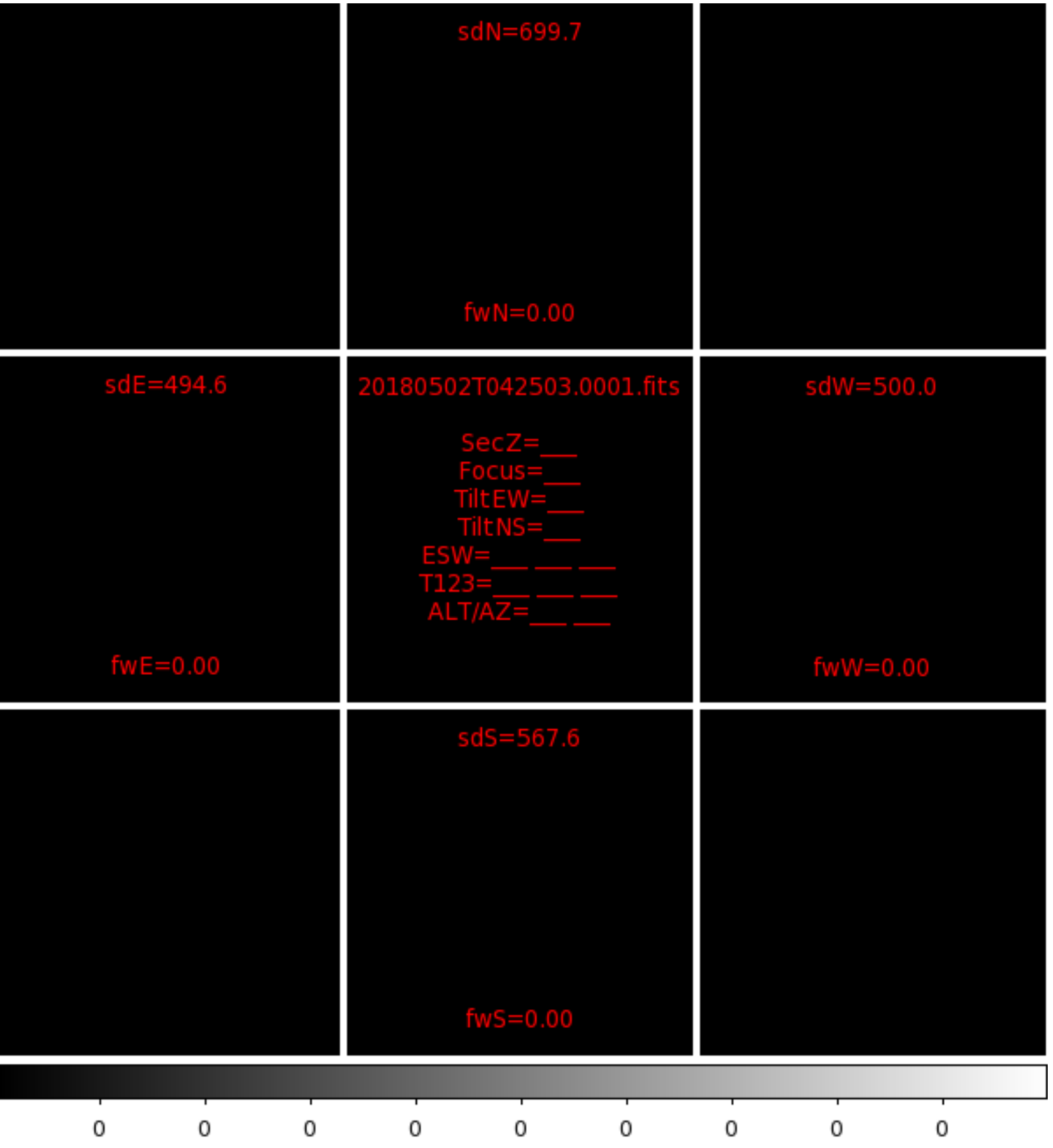
sdE=495.6
20180502T042319.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=500.8
fwE=0.00
fwW=0.00
sdS=568.6
fwS=0.00
0 0 0 0 0 0 0 0 0


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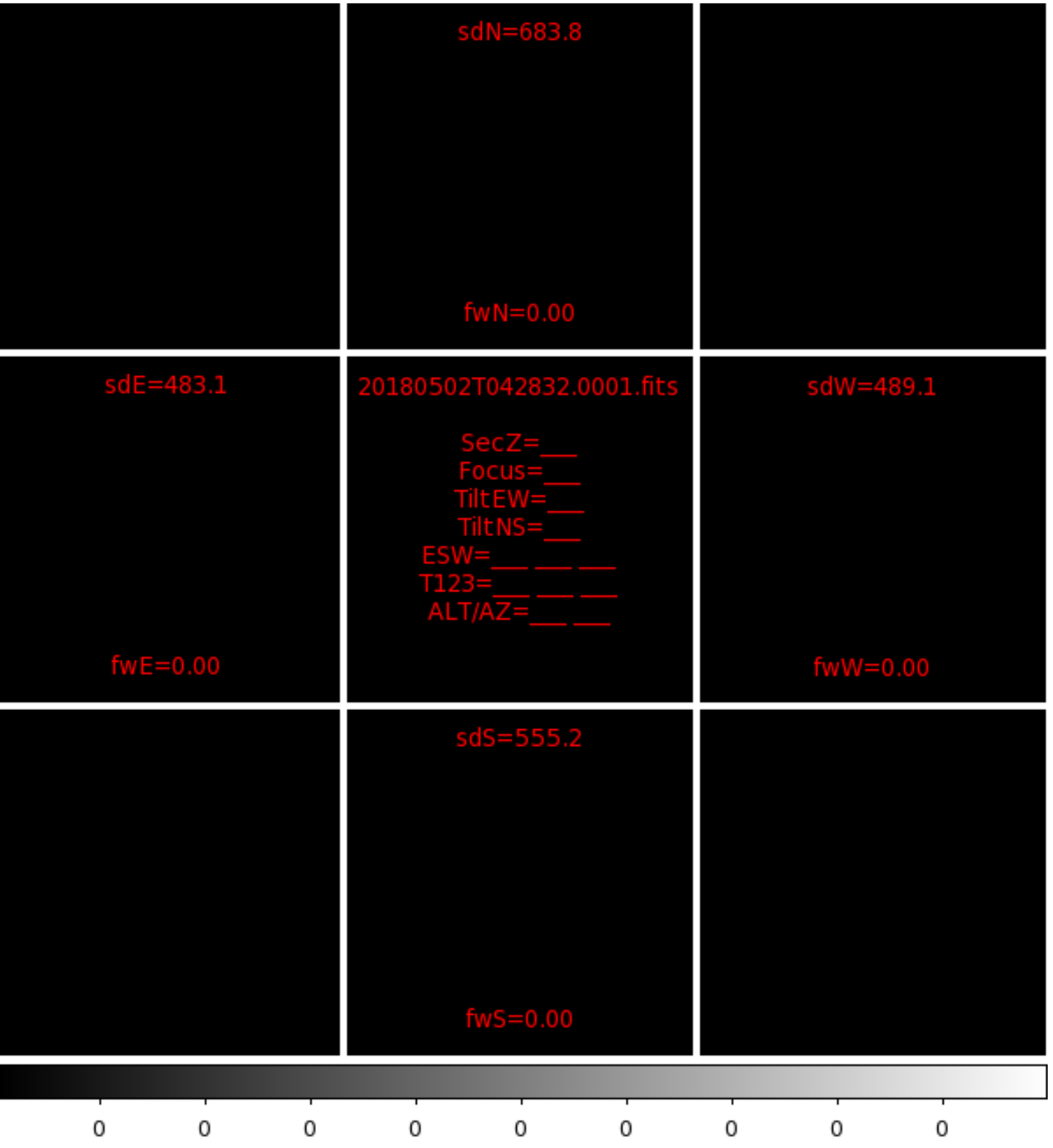
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=500.0
fwW=0.00
sdS=567.6
fwS=0.00
0 0 0 0 0 0 0 0 0

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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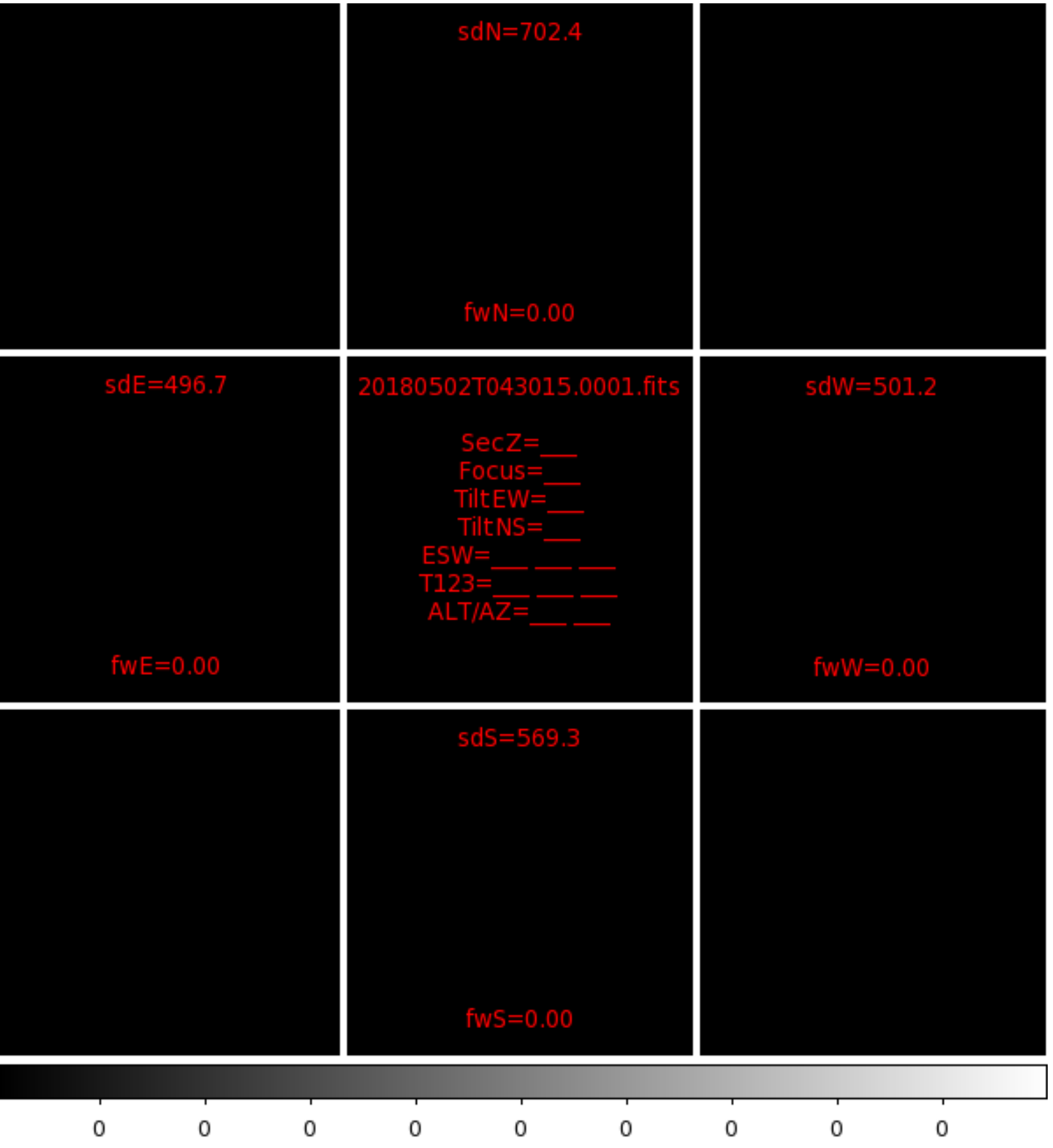
sdN=702.4
fwN=0.00
sdE=496.7
20180502T043015.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=501.2
fwE=0.00
fwW=0.00
sdS=569.3
fwS=0.00
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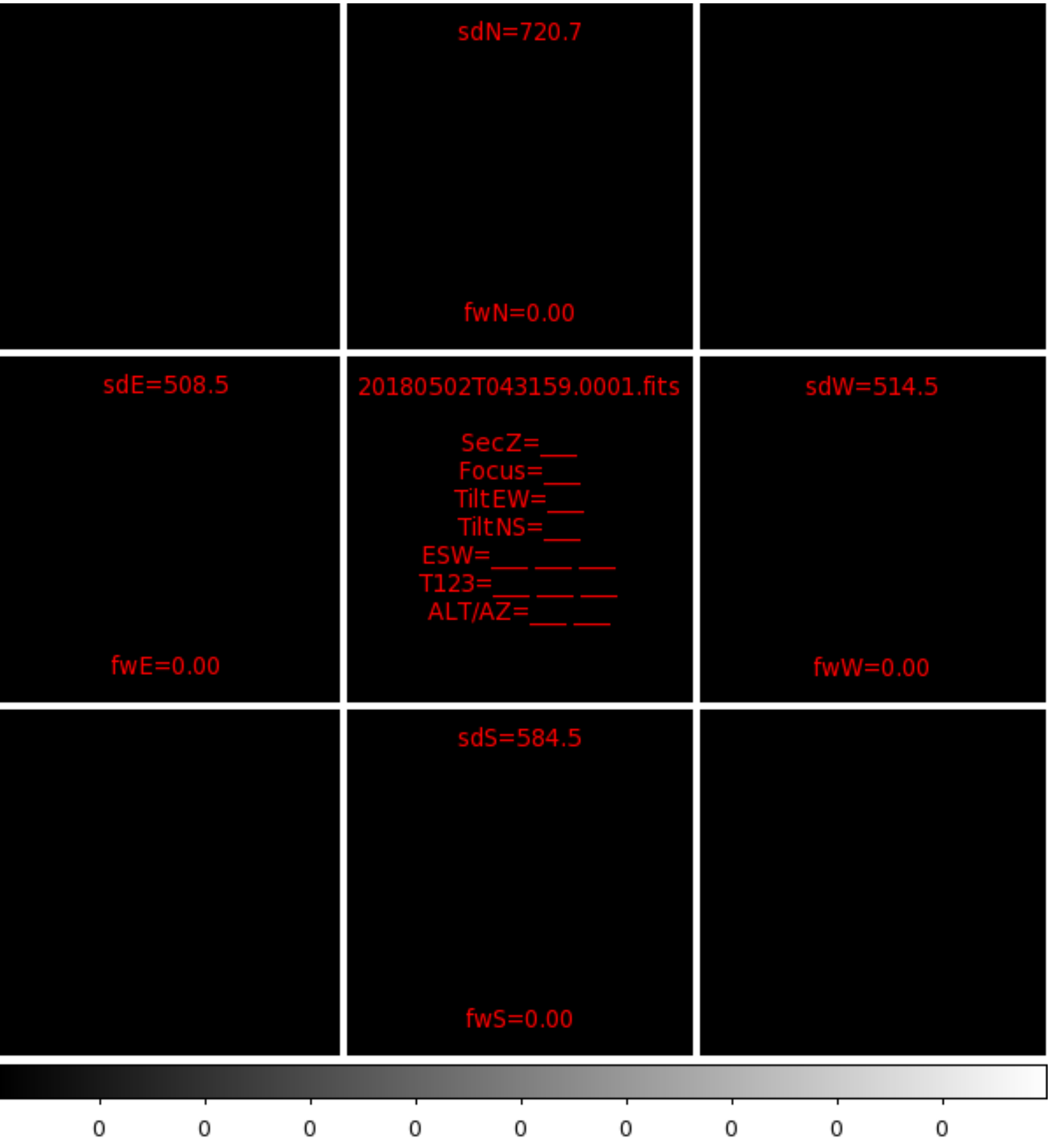
sdN=720.7
fwN=0.00
sdE=508.5
fwE=0.00
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SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=514.5
fwW=0.00
sdS=584.5
fwS=0.00
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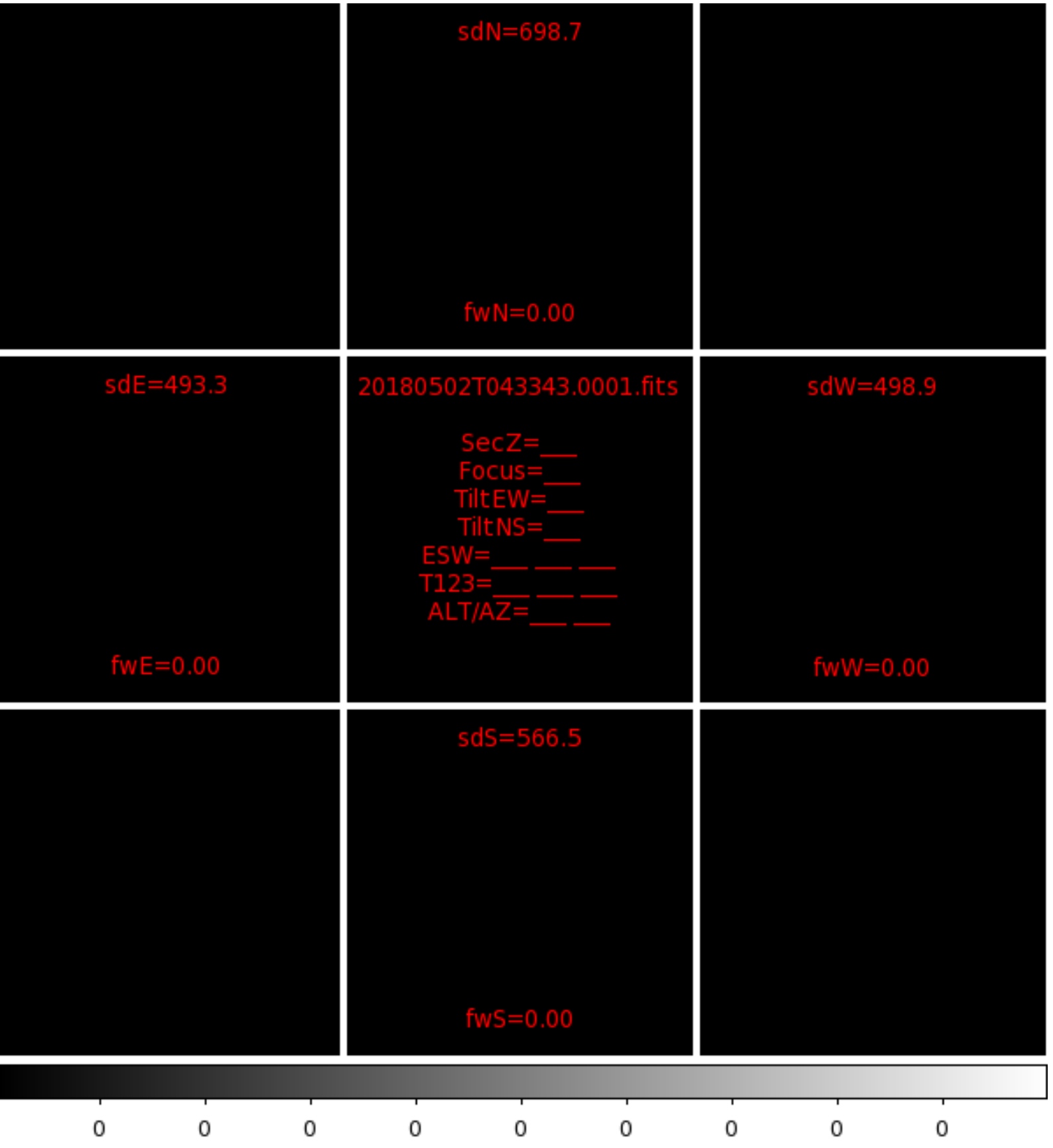
sdN=698.7
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sdE=493.3
20180502T043343.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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fwE=0.00
fwW=0.00
sdS=566.5
fwS=0.00
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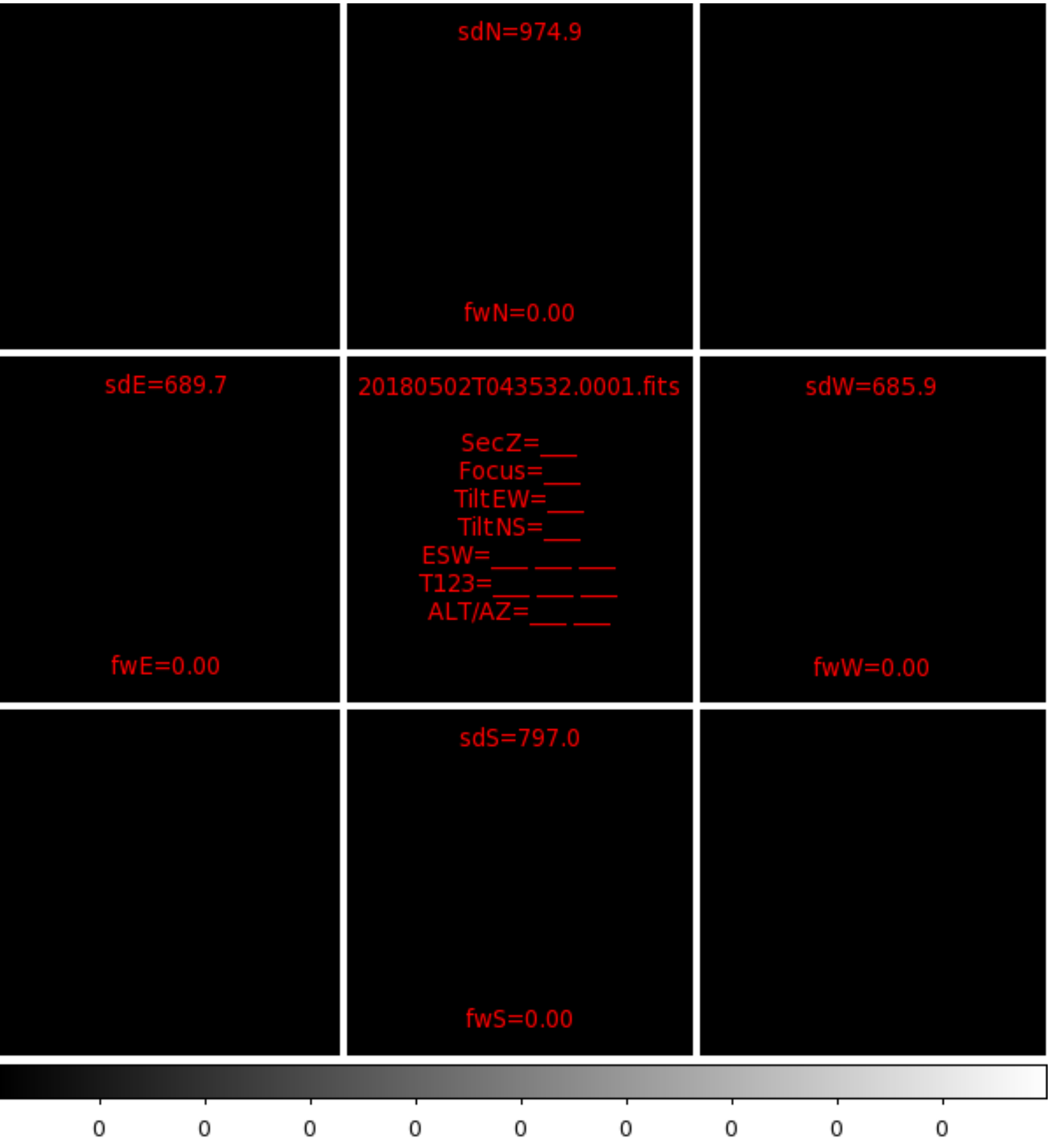
sdN=974.9
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sdE=689.7
20180502T043532.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=685.9
fwE=0.00
fwW=0.00
sdS=797.0
fwS=0.00
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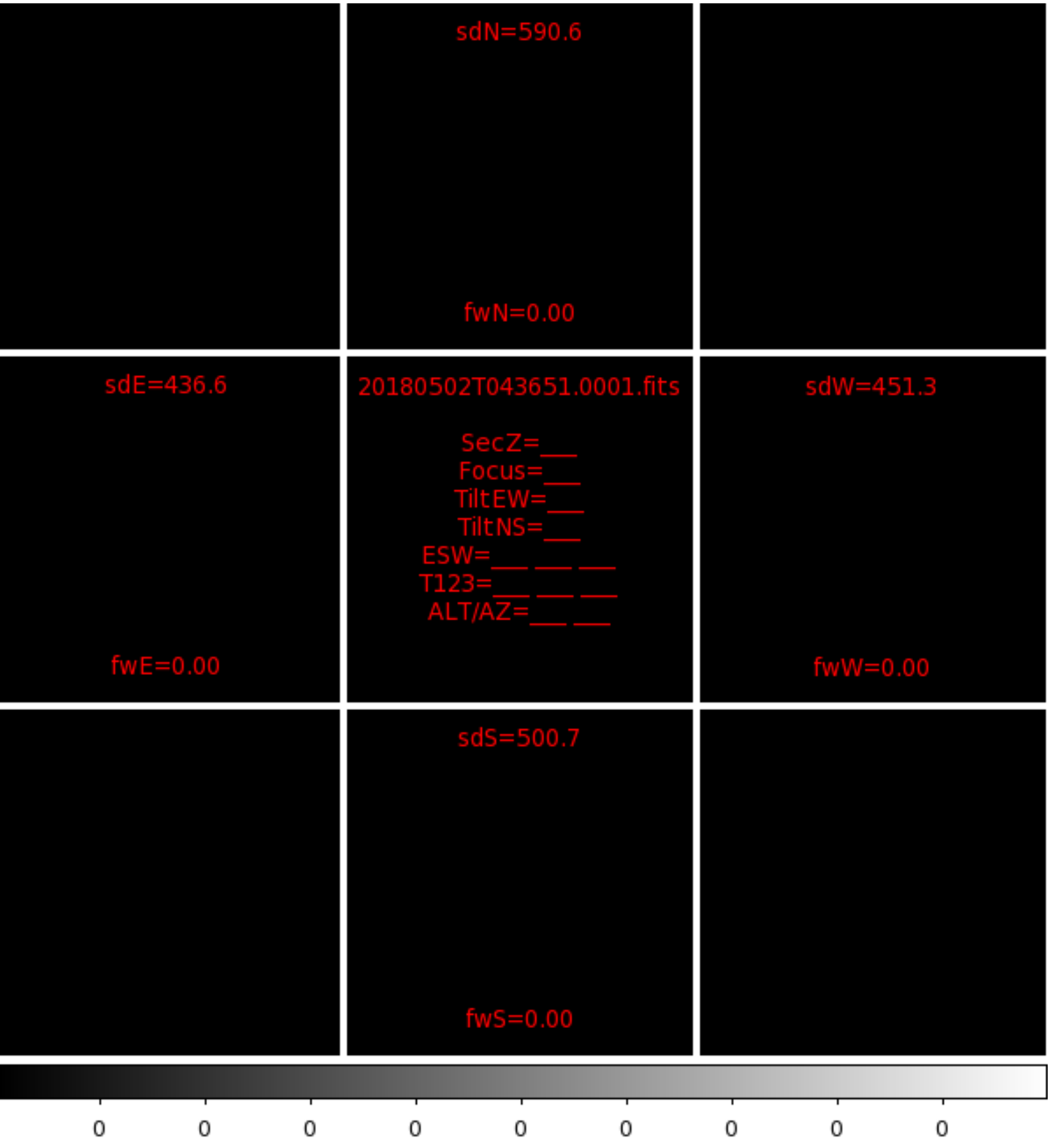
sdN=590.6
fwN=0.00
sdE=436.6
20180502T043651.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=451.3
fwE=0.00
fwW=0.00
sdS=500.7
fwS=0.00
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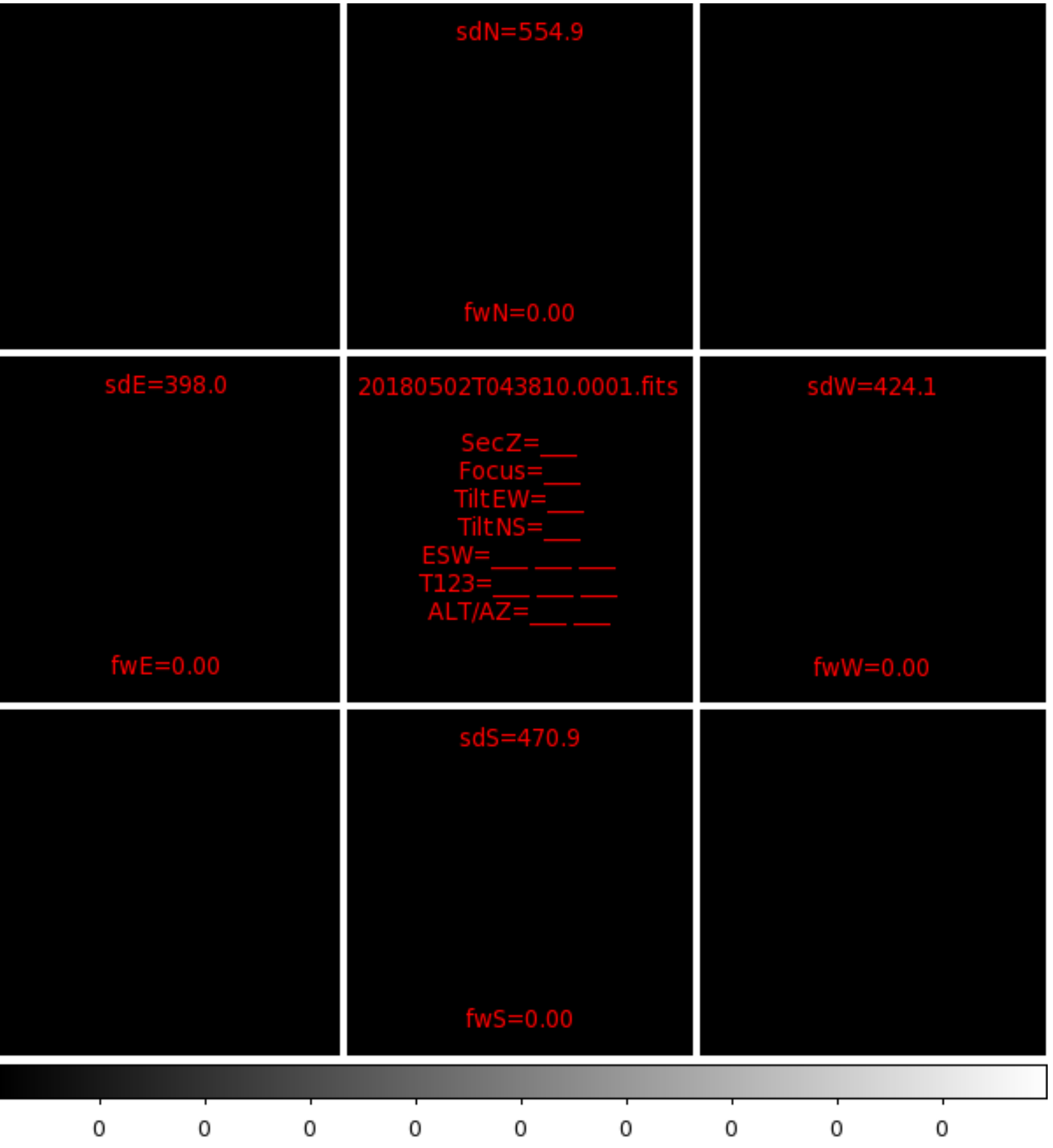
sdN=554.9
fwN=0.00
sdE=398.0
20180502T043810.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=424.1
fwE=0.00
fwW=0.00
sdS=470.9
fwS=0.00
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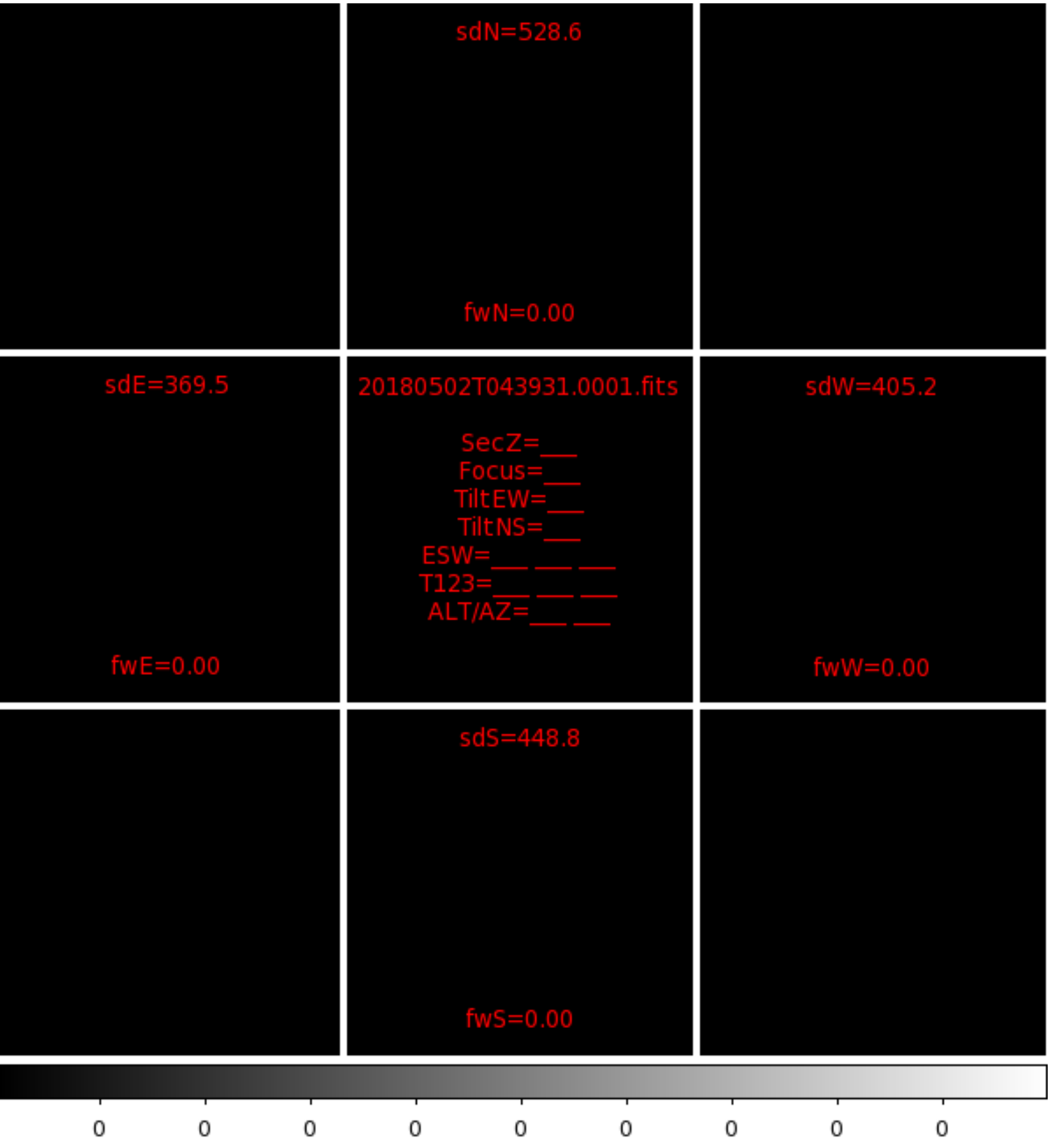
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sdE=369.5
20180502T043931.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=405.2
fwE=0.00
fwW=0.00
sdS=448.8
fwS=0.00
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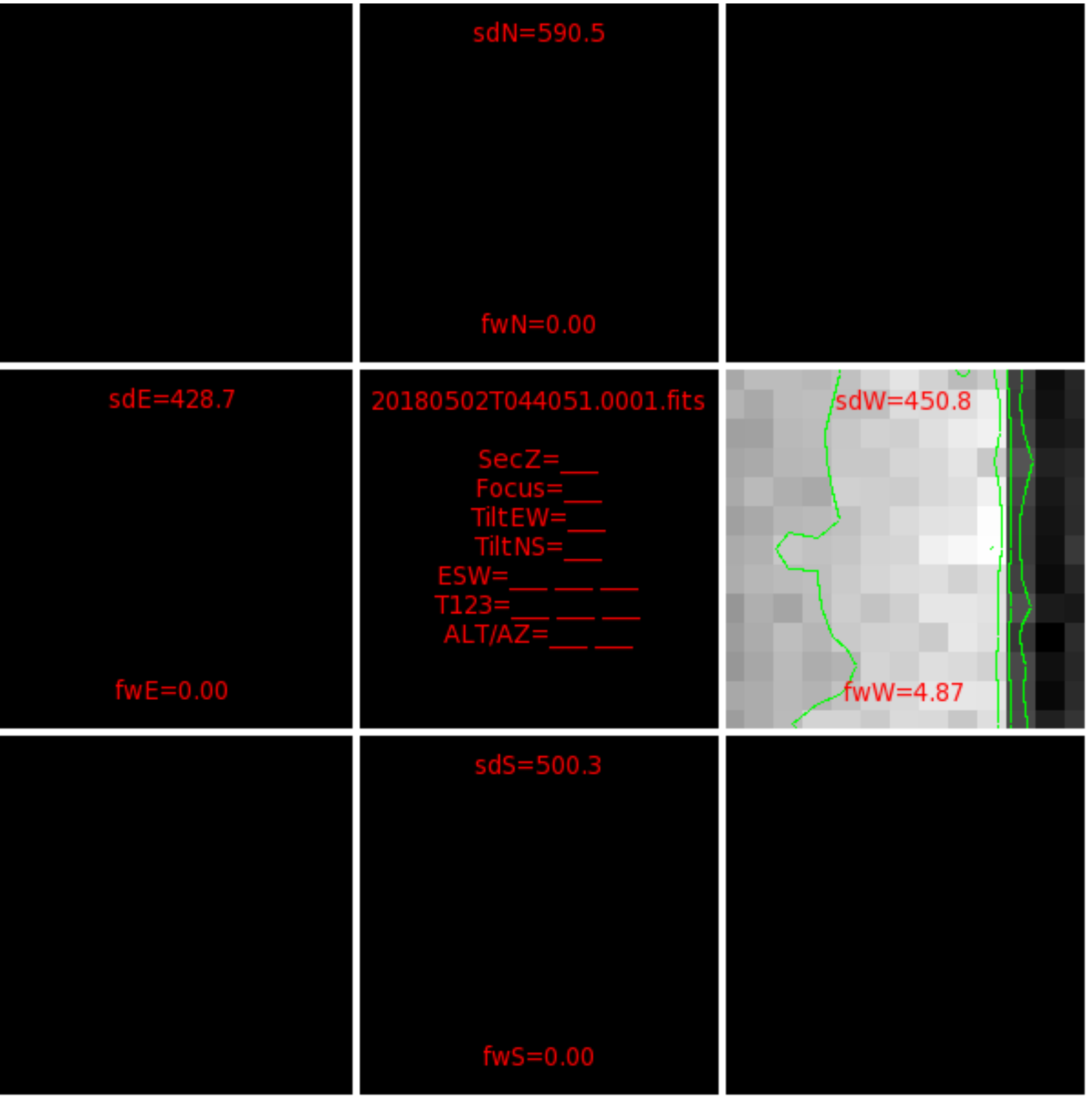
sdN=590.5
fwN=0.00
sdE=428.7
fwE=0.00
20180502T044051.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=450.8
fwW=4.87
sdS=500.3
fwS=0.00
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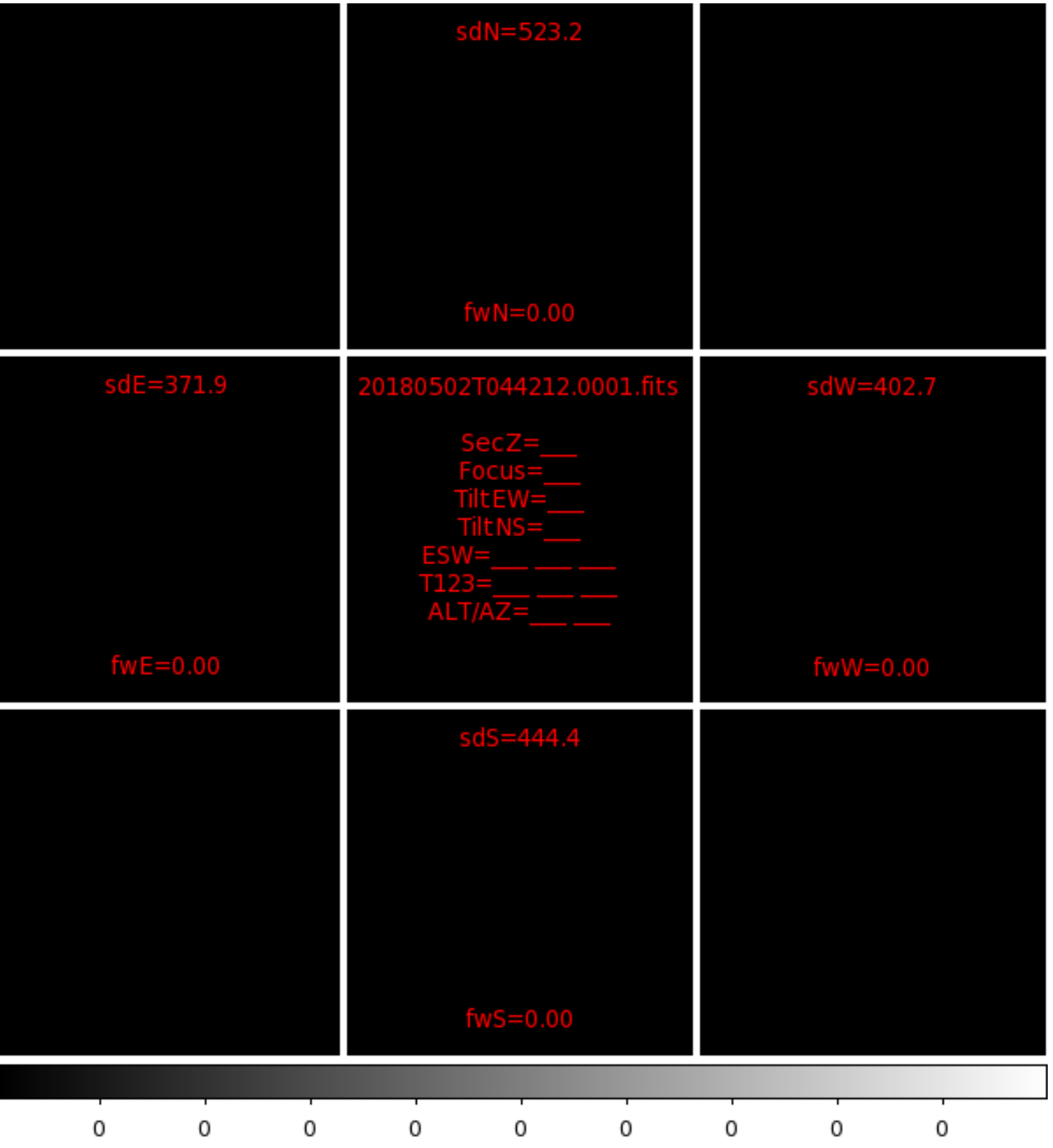
sdN=523.2
fwN=0.00
sdE=371.9
20180502T044212.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=402.7
fwE=0.00
fwW=0.00
sdS=444.4
fwS=0.00
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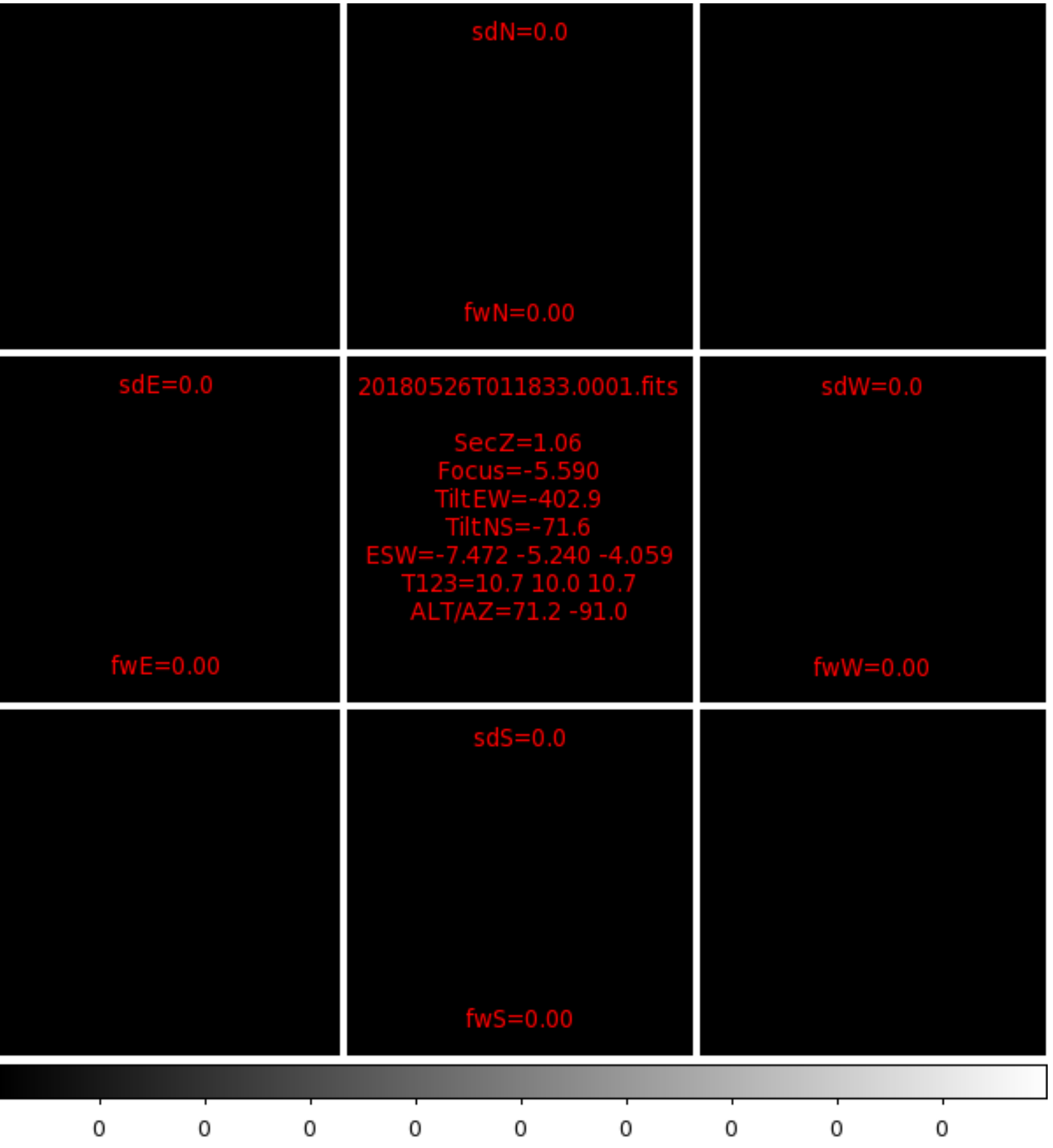
sdN=0.0
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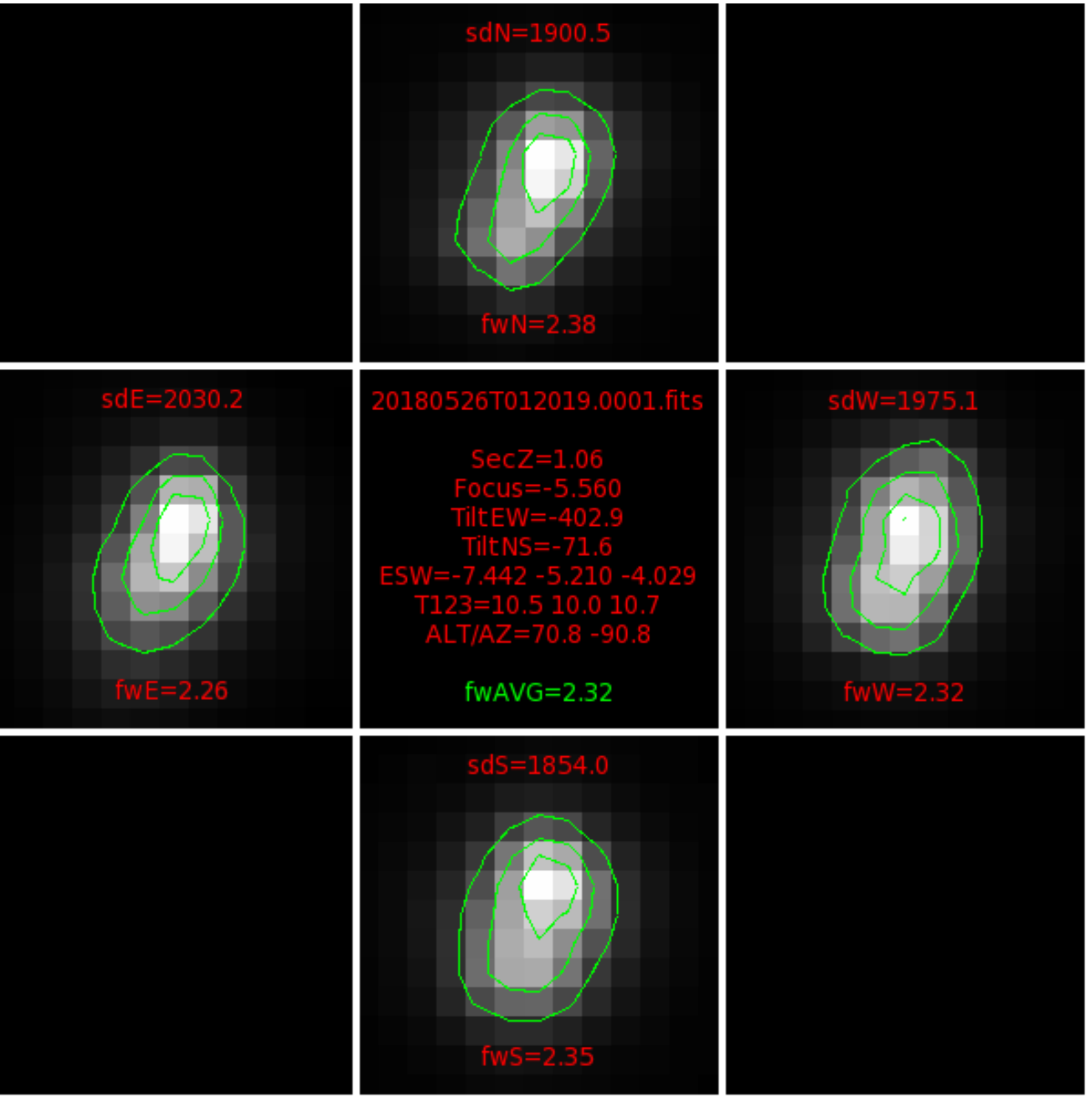
sdE=0.0
20180526T011833.0001.fits
SecZ=1.06
Focus=-5.590
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.472 -5.240 -4.059
T123=10.7 10.0 10.7
ALT/AZ=71.2 -91.0
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
0 0 0 0 0 0 0 0 0


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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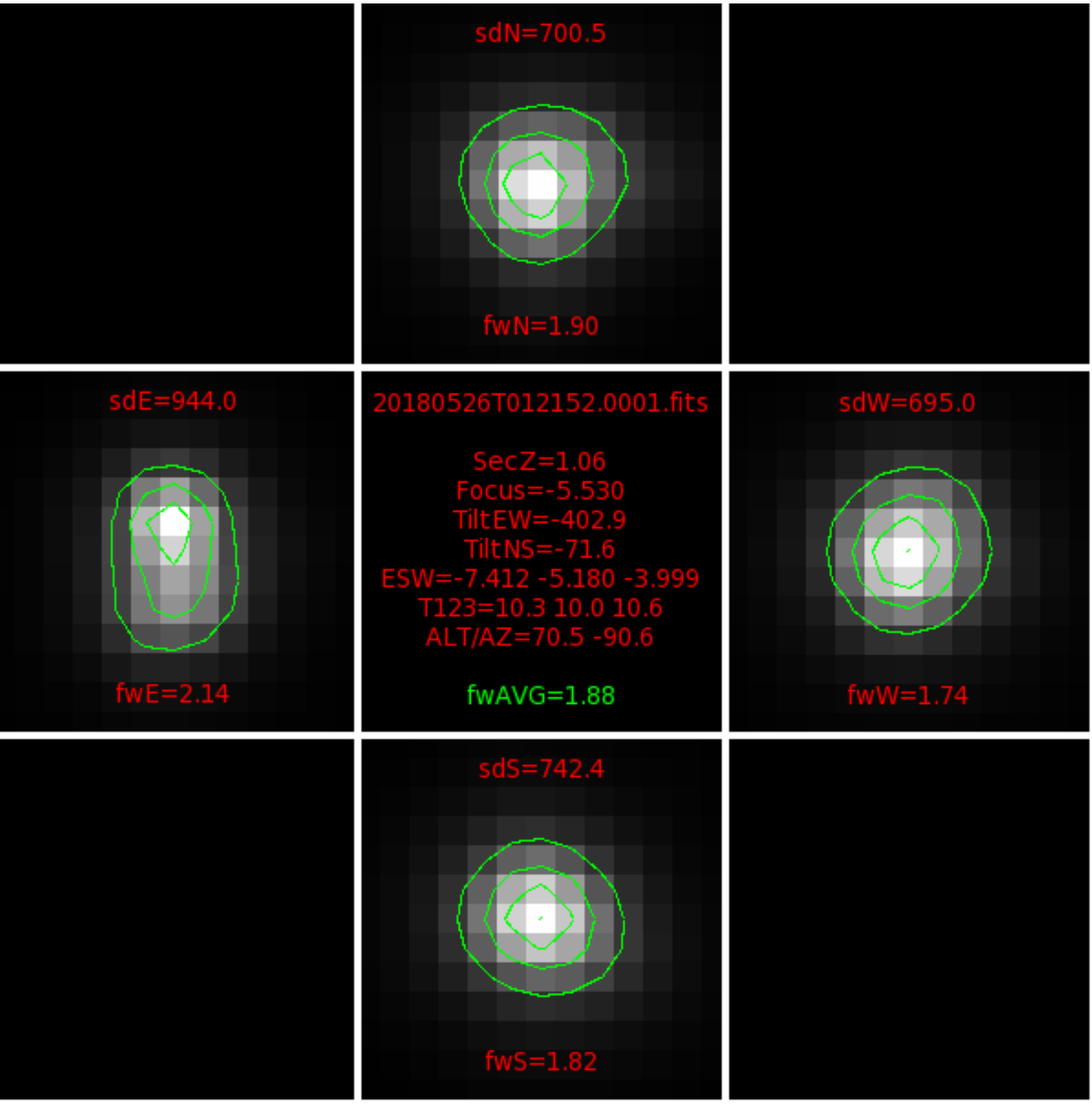
sdN=700.5
fwN=1.90
sdE=944.0
fwE=2.14
20180526T012152.0001.fits
SecZ=1.06
Focus=-5.530
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.412 -5.180 -3.999
T123=10.3 10.0 10.6
ALT/AZ=70.5 -90.6
fwAVG=1.88
sdW=695.0
fwW=1.74
sdS=742.4
fwS=1.82
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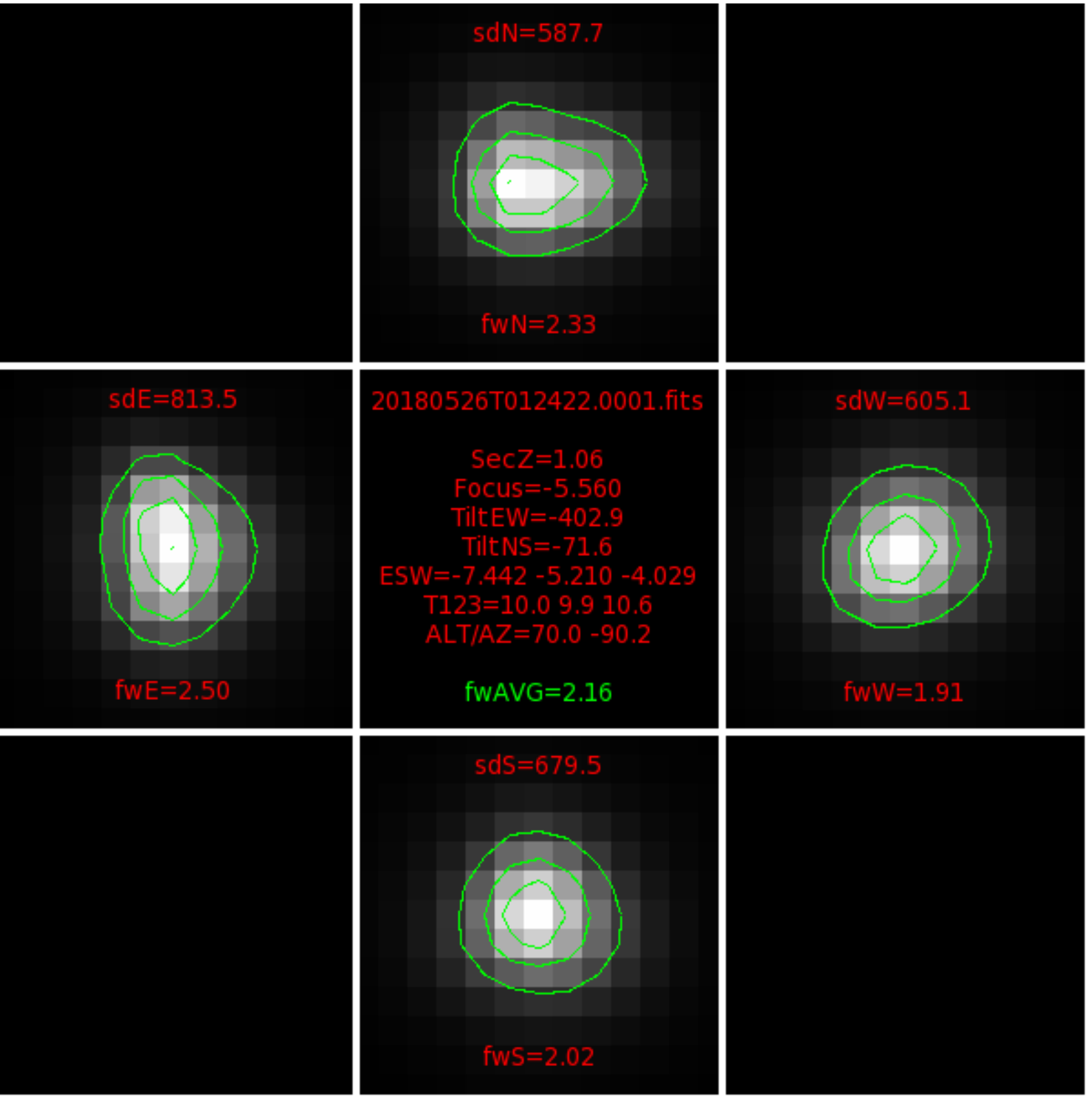
sdN=587.7
fwN=2.33
sdE=813.5
fwE=2.50
20180526T012422.0001.fits
SecZ=1.06
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=10.0 9.9 10.6
ALT/AZ=70.0 -90.2
fwAVG=2.16
sdW=605.1
fwW=1.91
sdS=679.5
fwS=2.02
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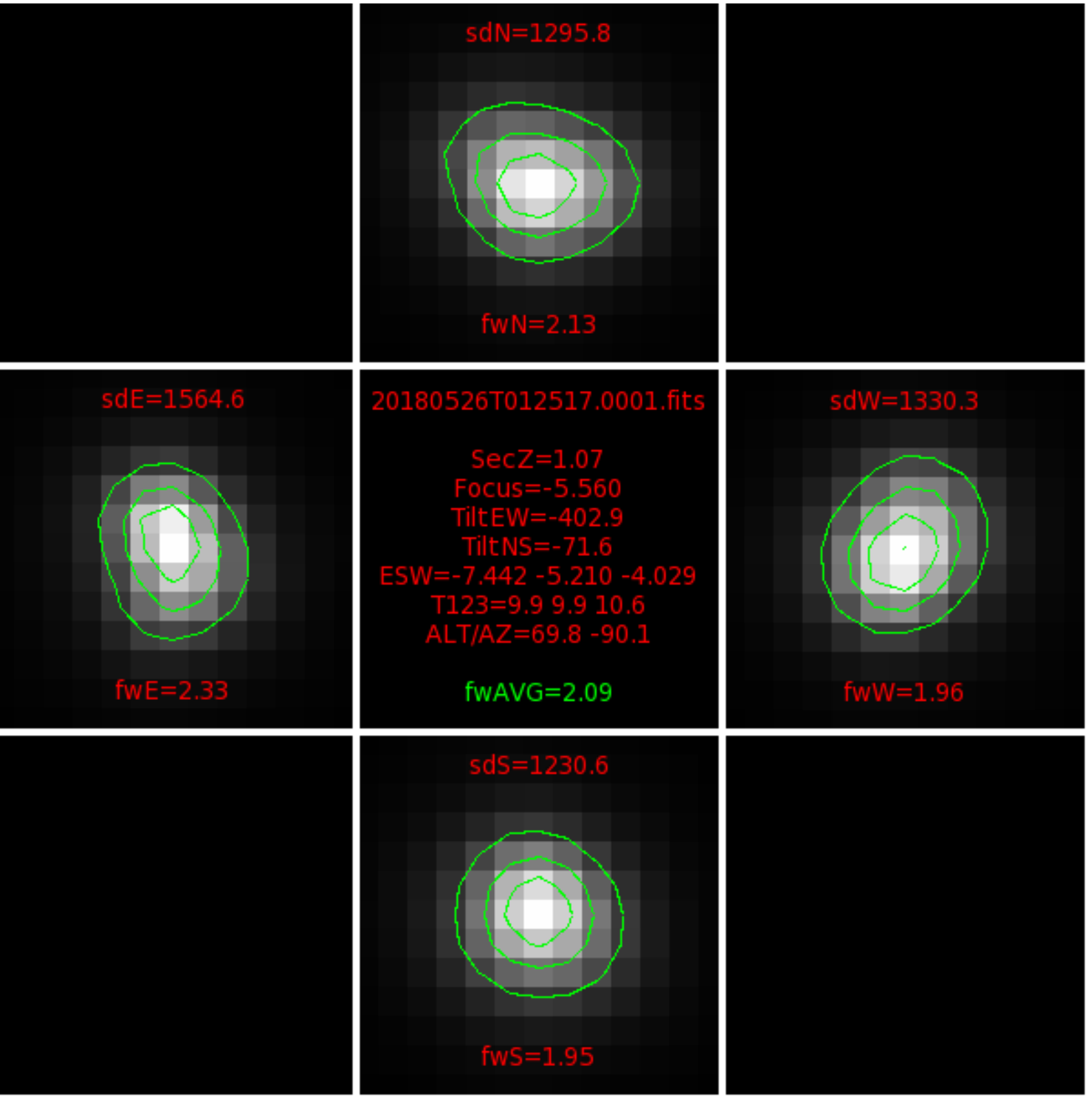
sdN=1295.8
fwN=2.13
sdE=1564.6
fwE=2.33
20180526T012517.0001.fits
SecZ=1.07
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.9 9.9 10.6
ALT/AZ=69.8 -90.1
fwAVG=2.09
sdW=1330.3
fwW=1.96
sdS=1230.6
fwS=1.95
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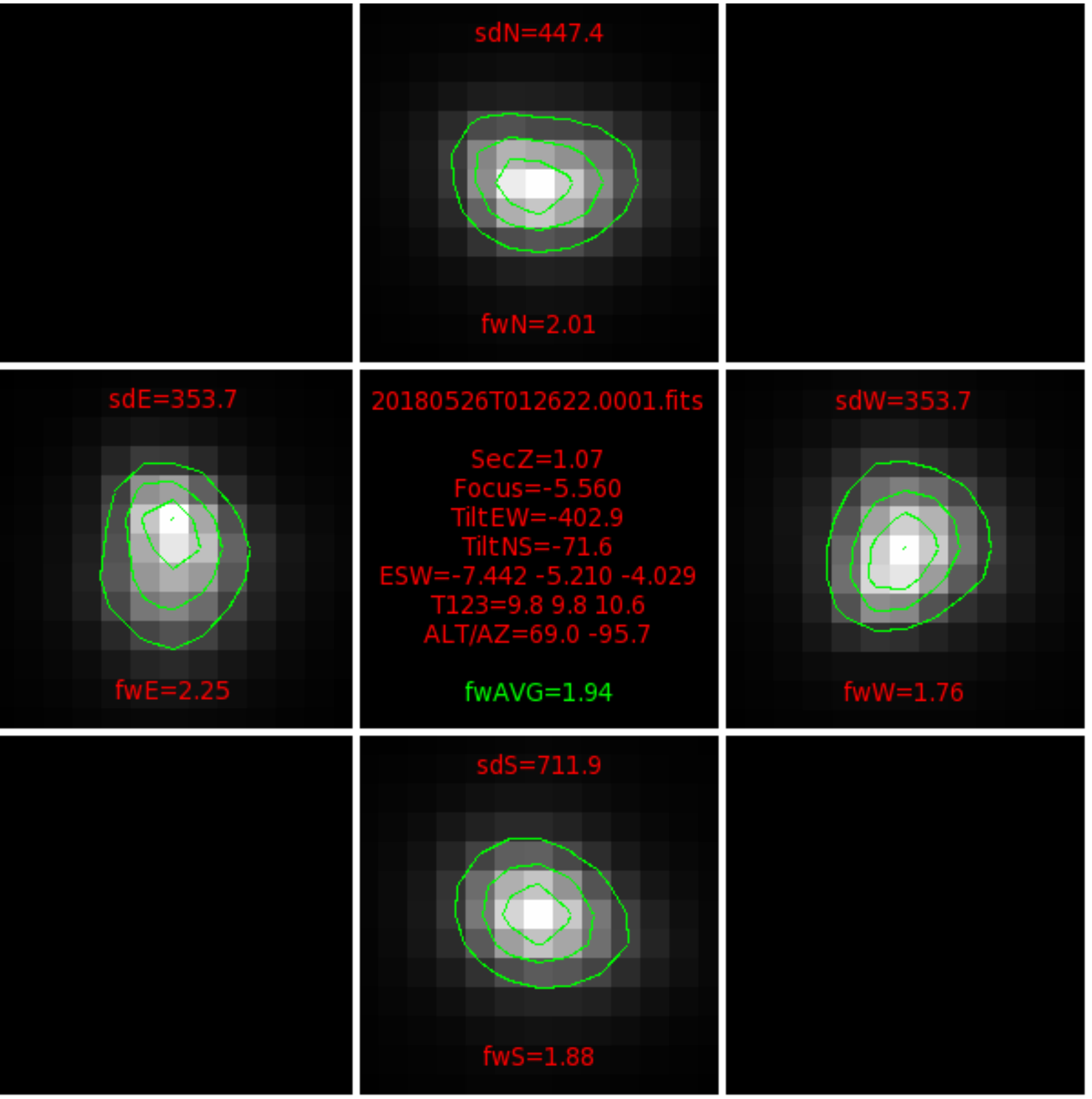
sdN=447.4
fwN=2.01
sdE=353.7
fwE=2.25
20180526T012622.0001.fits
SecZ=1.07
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.8 9.8 10.6
ALT/AZ=69.0 -95.7
fwAVG=1.94
sdW=353.7
fwW=1.76
sdS=711.9
fwS=1.88
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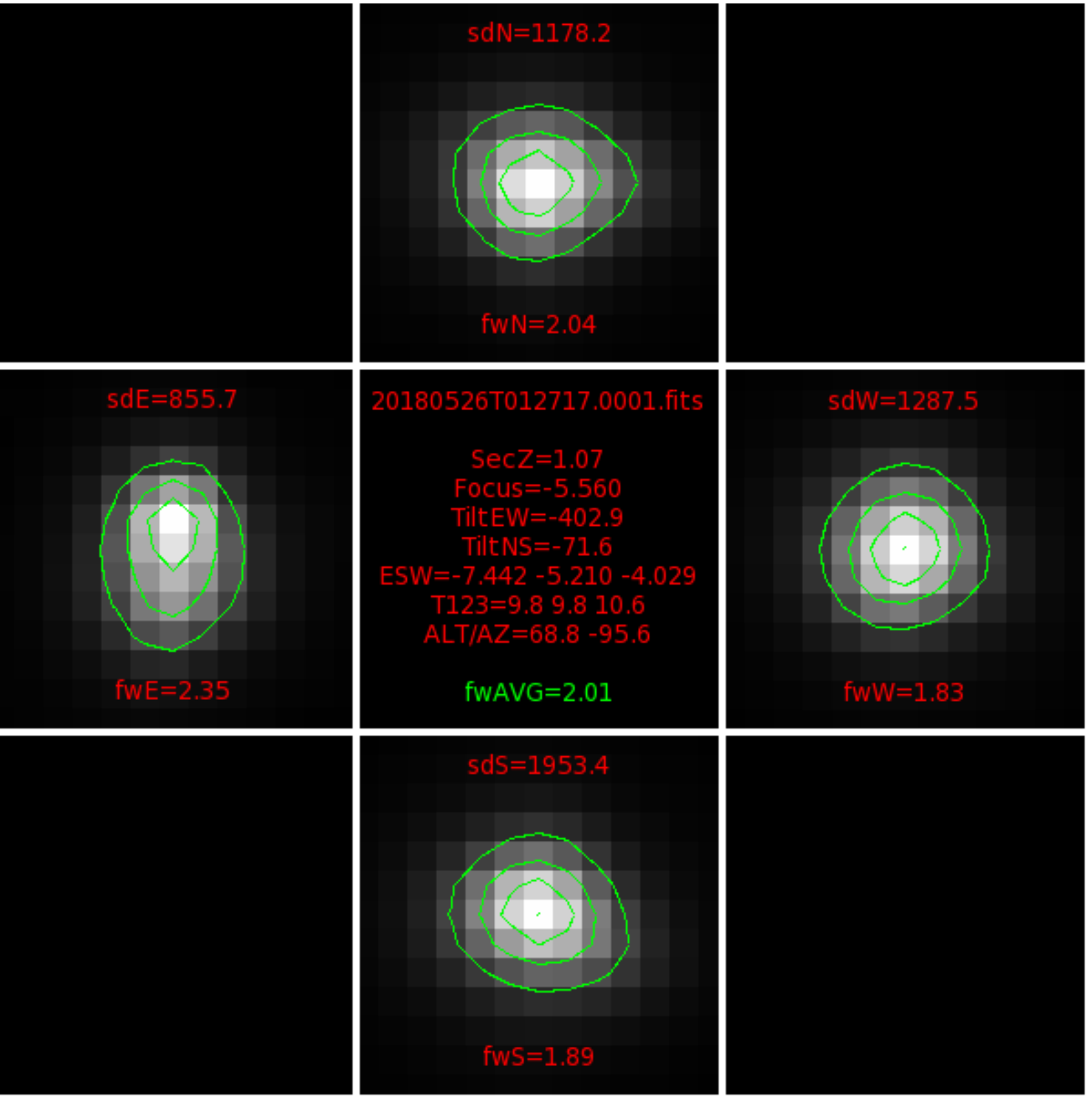
sdN=1178.2
fwN=2.04
sdE=855.7
fwE=2.35
20180526T012717.0001.fits
SecZ=1.07
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.8 9.8 10.6
ALT/AZ=68.8 -95.6
fwAVG=2.01
sdW=1287.5
fwW=1.83
sdS=1953.4
fwS=1.89
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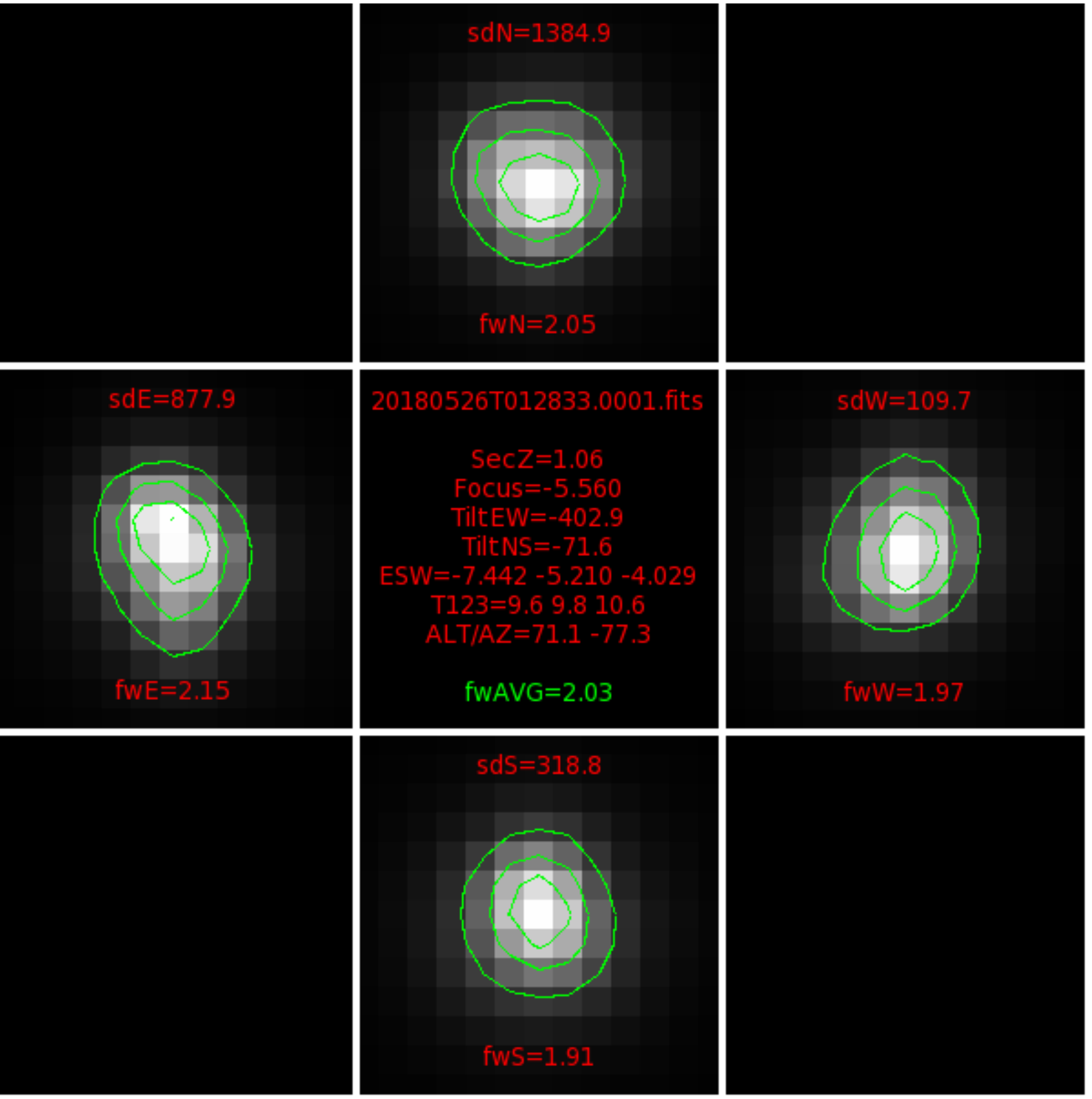
sdN=1384.9
fwN=2.05
sdE=877.9
fwE=2.15
20180526T012833.0001.fits
SecZ=1.06
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.6 9.8 10.6
ALT/AZ=71.1 -77.3
fwAVG=2.03
sdW=109.7
fwW=1.97
sdS=318.8
fwS=1.91
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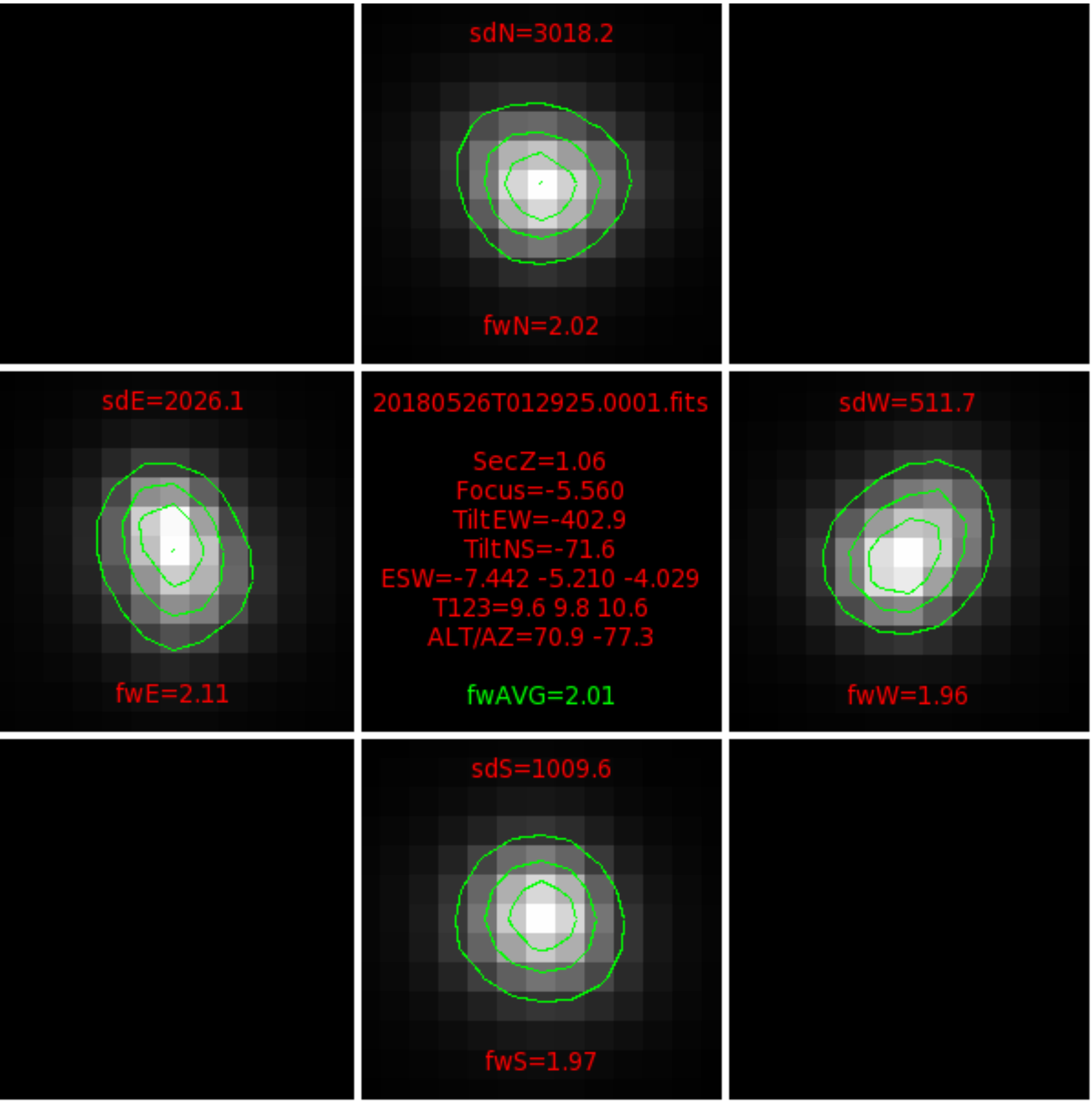
sdN=3018.2
fwN=2.02
sdE=2026.1
fwE=2.11
20180526T012925.0001.fits
SecZ=1.06
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.6 9.8 10.6
ALT/AZ=70.9 -77.3
fwAVG=2.01
sdW=511.7
fwW=1.96
sdS=1009.6
fwS=1.97
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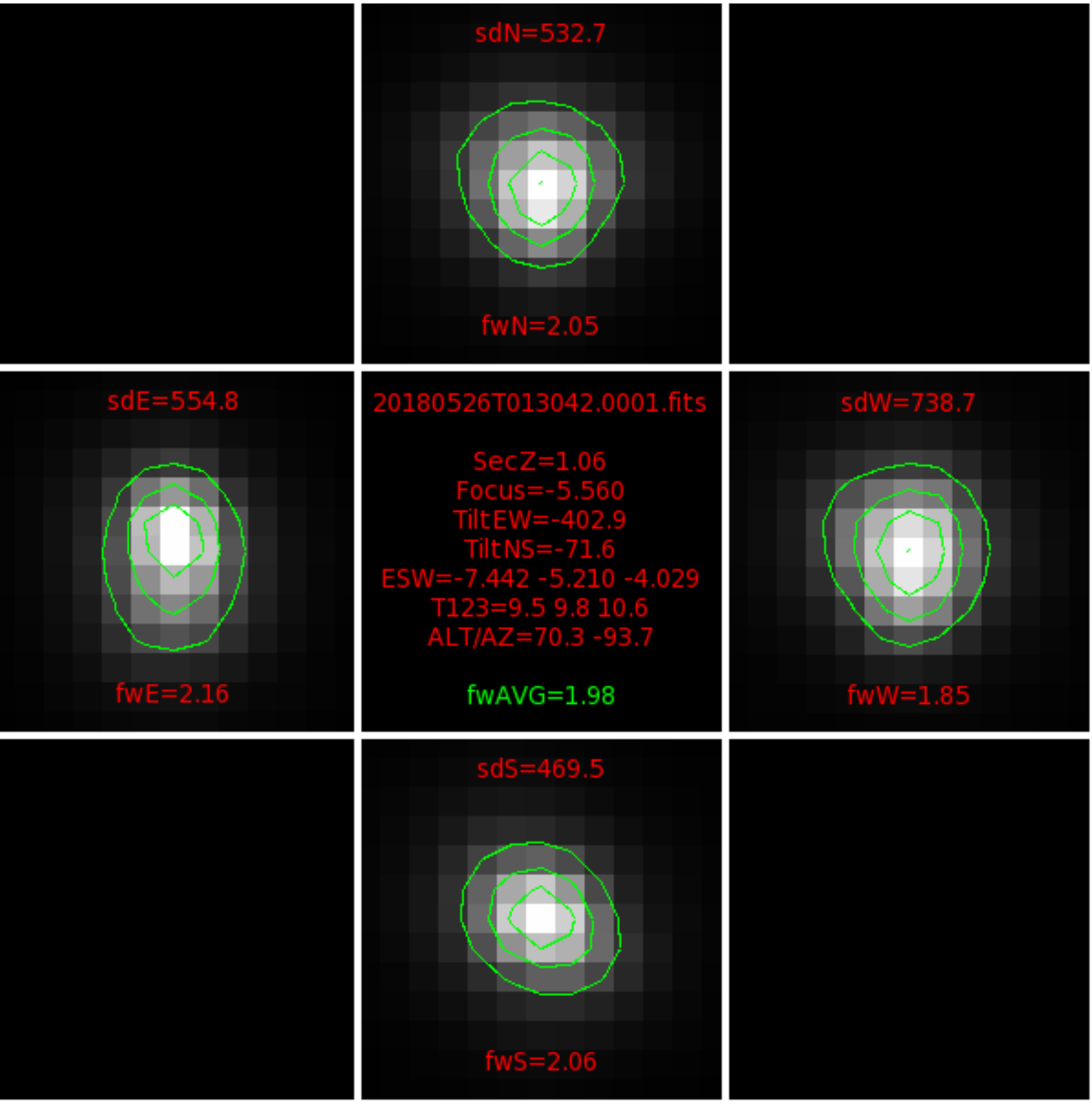
sdN=532.7
fwN=2.05
sdE=554.8
fwE=2.16
20180526T013042.0001.fits
SecZ=1.06
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.5 9.8 10.6
ALT/AZ=70.3 -93.7
fwAVG=1.98
sdW=738.7
fwW=1.85
sdS=469.5
fwS=2.06
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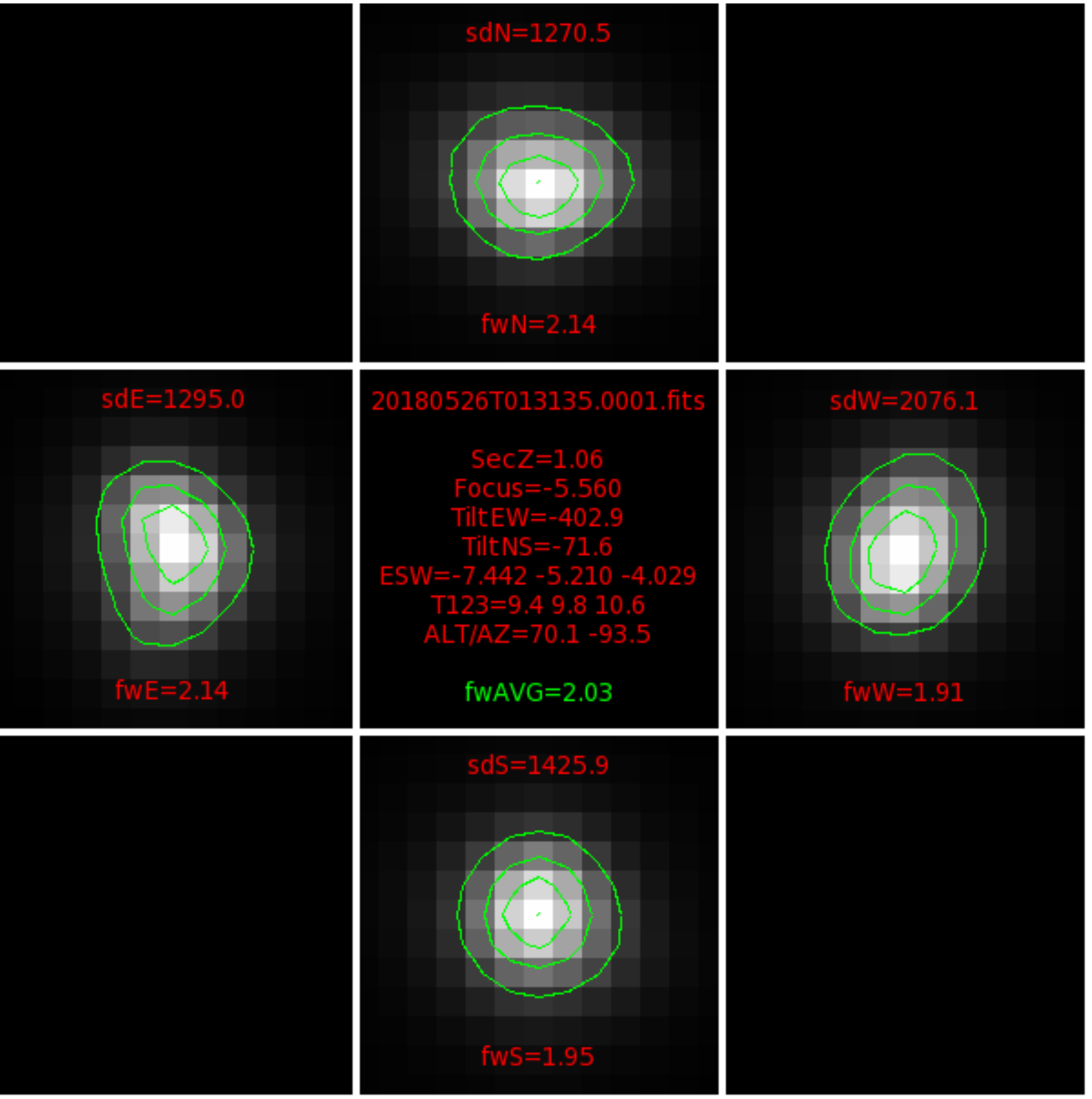
sdN=1270.5
fwN=2.14
sdE=1295.0
fwE=2.14
20180526T013135.0001.fits
SecZ=1.06
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.4 9.8 10.6
ALT/AZ=70.1 -93.5
fwAVG=2.03
sdW=2076.1
fwW=1.91
sdS=1425.9
fwS=1.95
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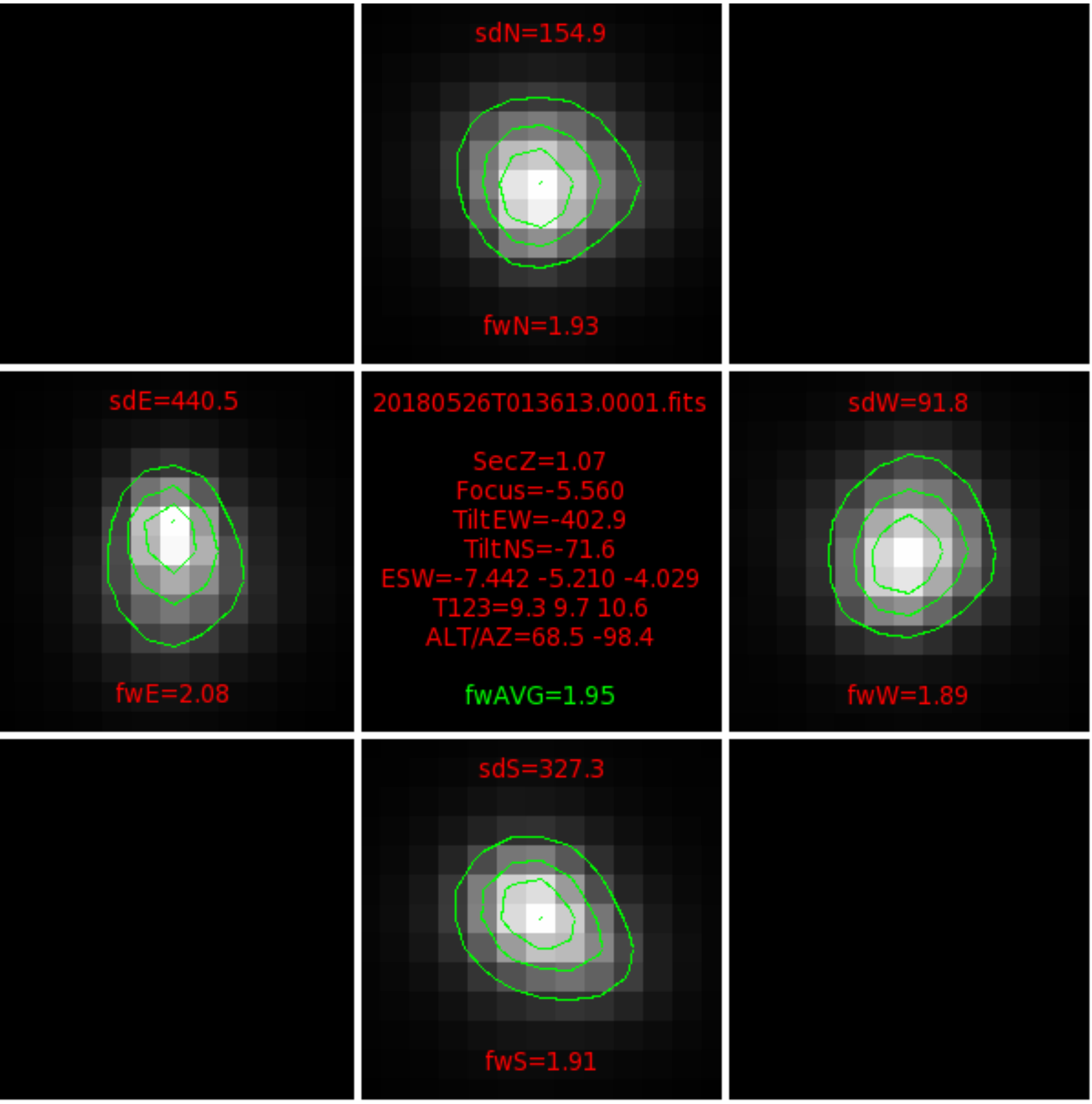
sdN=154.9
fwN=1.93
sdE=440.5
fwE=2.08
20180526T013613.0001.fits
SecZ=1.07
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.3 9.7 10.6
ALT/AZ=68.5 -98.4
fwAVG=1.95
sdW=91.8
fwW=1.89
sdS=327.3
fwS=1.91
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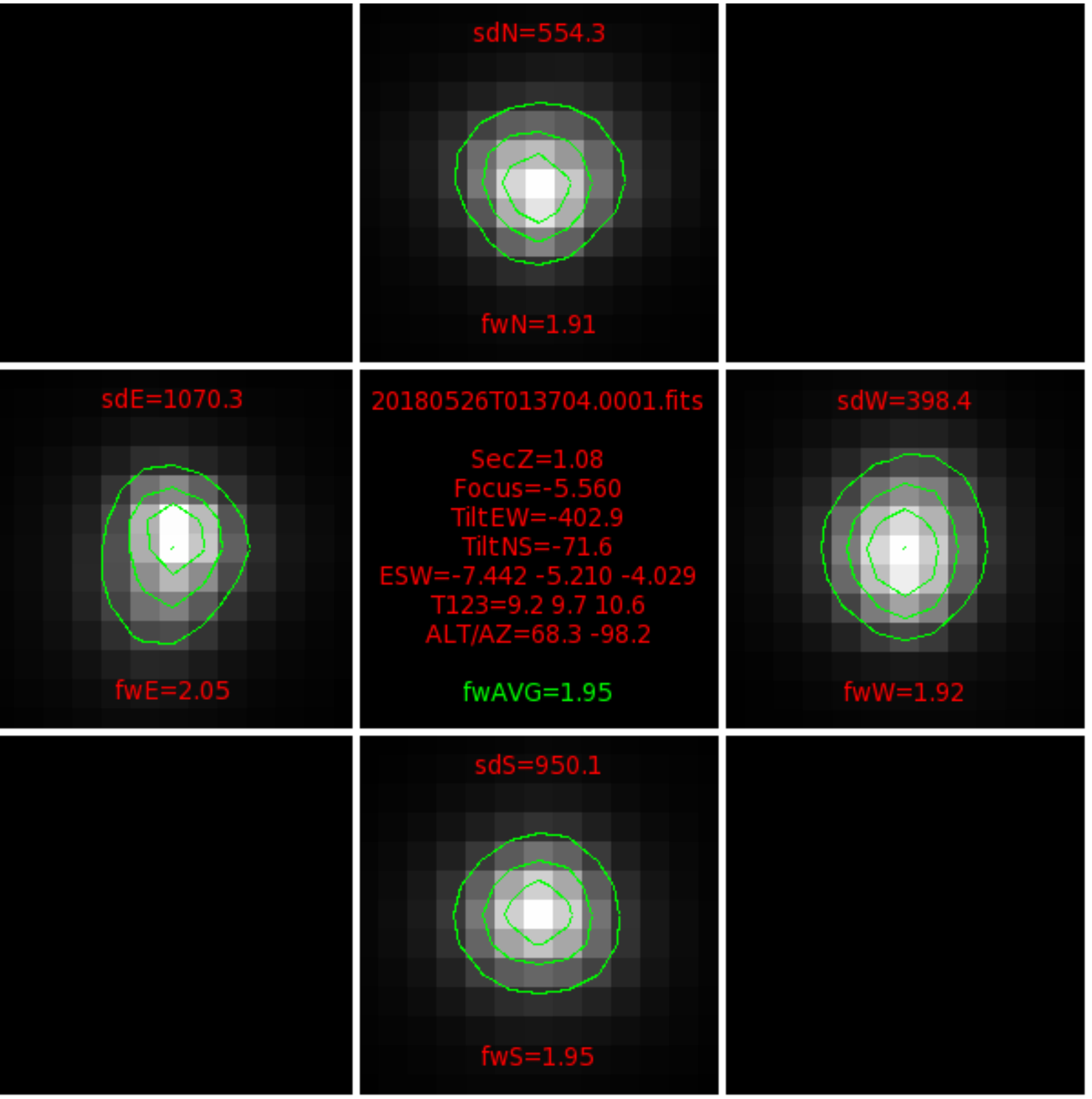
sdN=554.3
fwN=1.91
sdE=1070.3
fwE=2.05
20180526T013704.0001.fits
SecZ=1.08
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.2 9.7 10.6
ALT/AZ=68.3 -98.2
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sdW=398.4
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sdS=950.1
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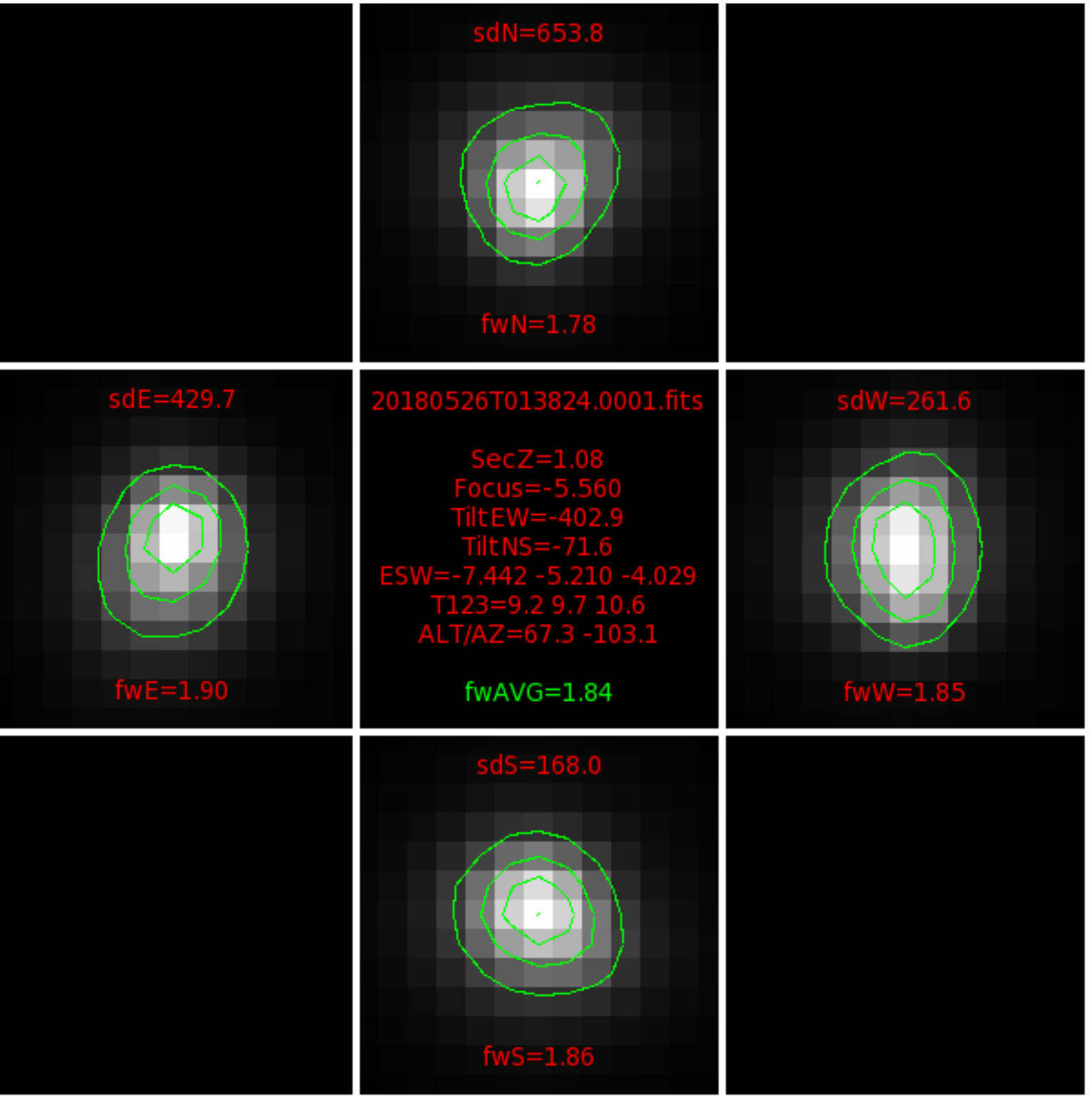
sdN=653.8
fwN=1.78
sdE=429.7
fwE=1.90
20180526T013824.0001.fits
SecZ=1.08
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.2 9.7 10.6
ALT/AZ=67.3 -103.1
fwAVG=1.84
sdW=261.6
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sdS=168.0
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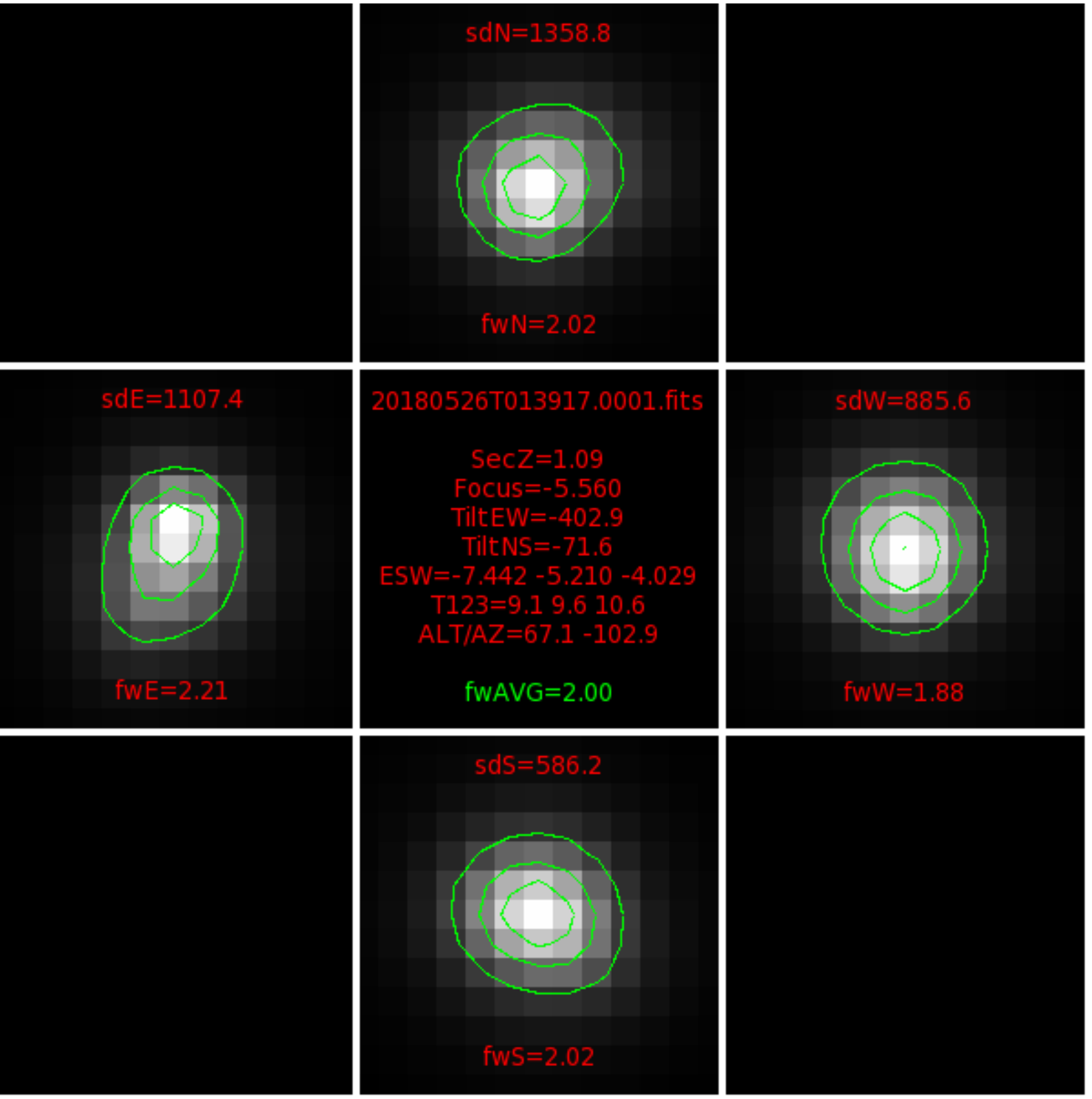
sdN=1358.8
fwN=2.02
sdE=1107.4
fwE=2.21
20180526T013917.0001.fits
SecZ=1.09
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.1 9.6 10.6
ALT/AZ=67.1 -102.9
fwAVG=2.00
sdW=885.6
fwW=1.88
sdS=586.2
fwS=2.02
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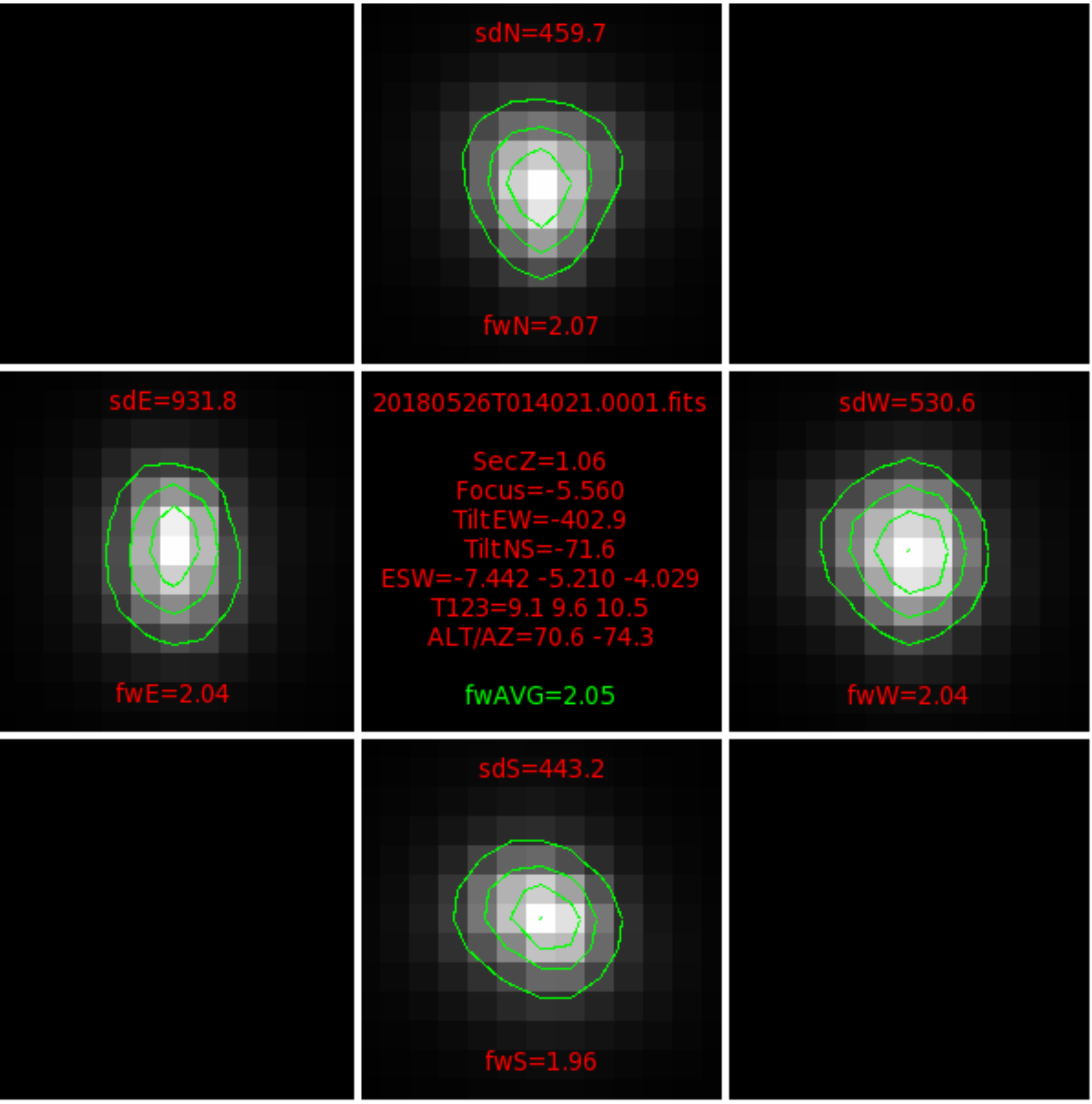
sdN=459.7
fwN=2.07
sdE=931.8
fwE=2.04
20180526T014021.0001.fits
SecZ=1.06
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.1 9.6 10.5
ALT/AZ=70.6 -74.3
fwAVG=2.05
sdW=530.6
fwW=2.04
sdS=443.2
fwS=1.96
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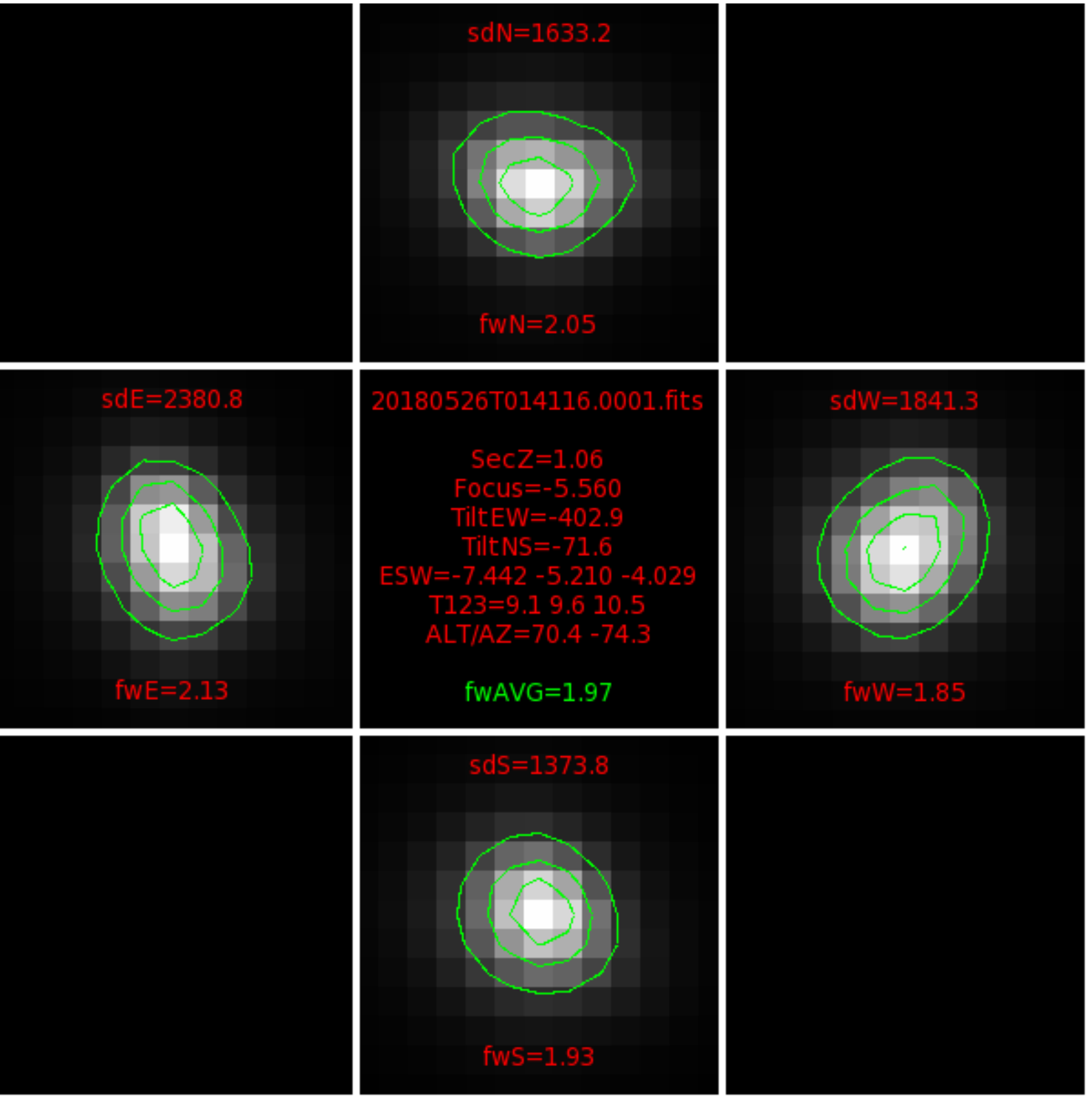
sdN=1633.2
fwN=2.05
sdE=2380.8
fwE=2.13
20180526T014116.0001.fits
SecZ=1.06
Focus=-5.560
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.442 -5.210 -4.029
T123=9.1 9.6 10.5
ALT/AZ=70.4 -74.3
fwAVG=1.97
sdW=1841.3
fwW=1.85
sdS=1373.8
fwS=1.93
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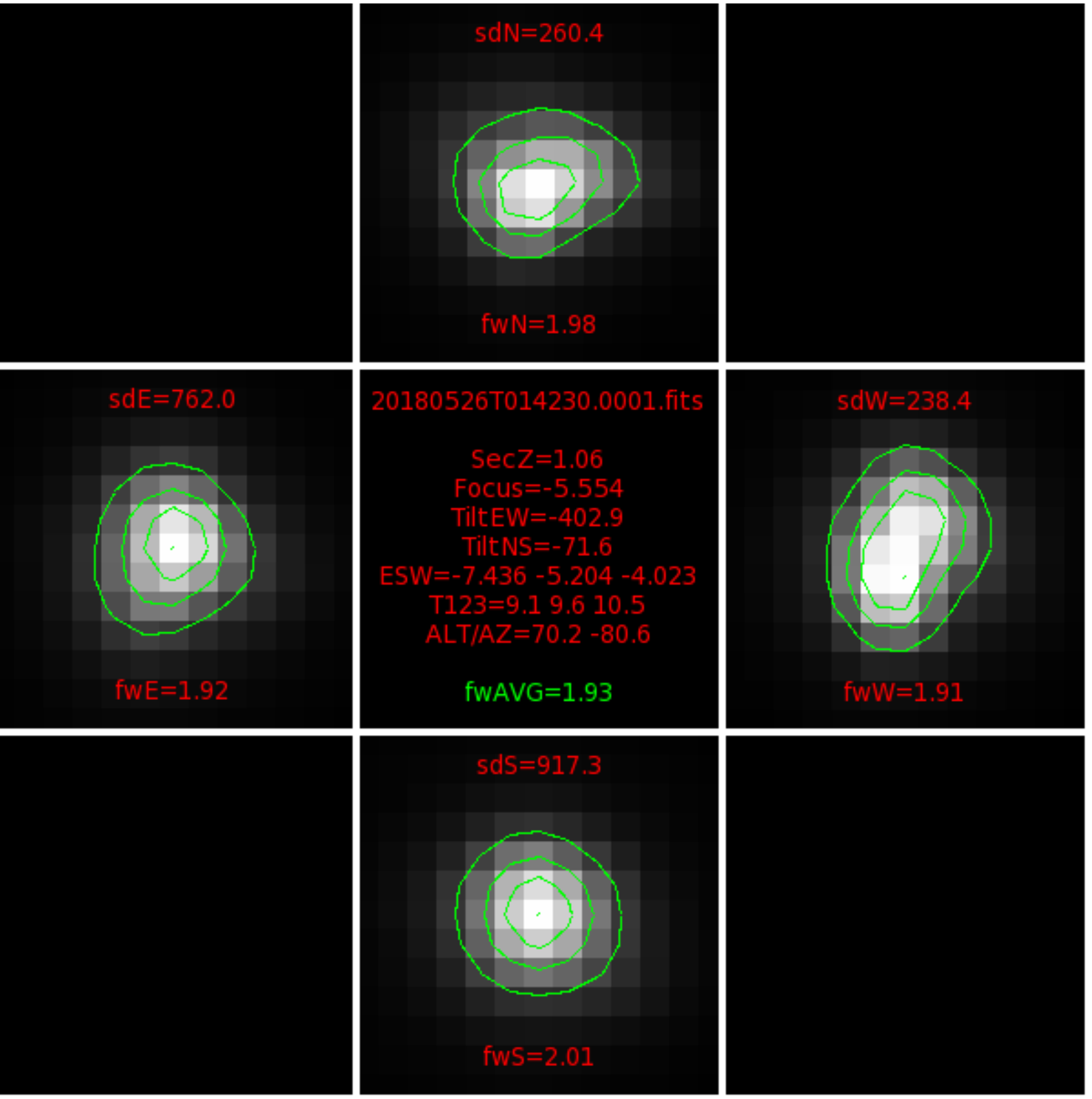
sdN=260.4
fwN=1.98
sdE=762.0
fwE=1.92
20180526T014230.0001.fits
SecZ=1.06
Focus=-5.554
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.436 -5.204 -4.023
T123=9.1 9.6 10.5
ALT/AZ=70.2 -80.6
fwAVG=1.93
sdW=238.4
fwW=1.91
sdS=917.3
fwS=2.01
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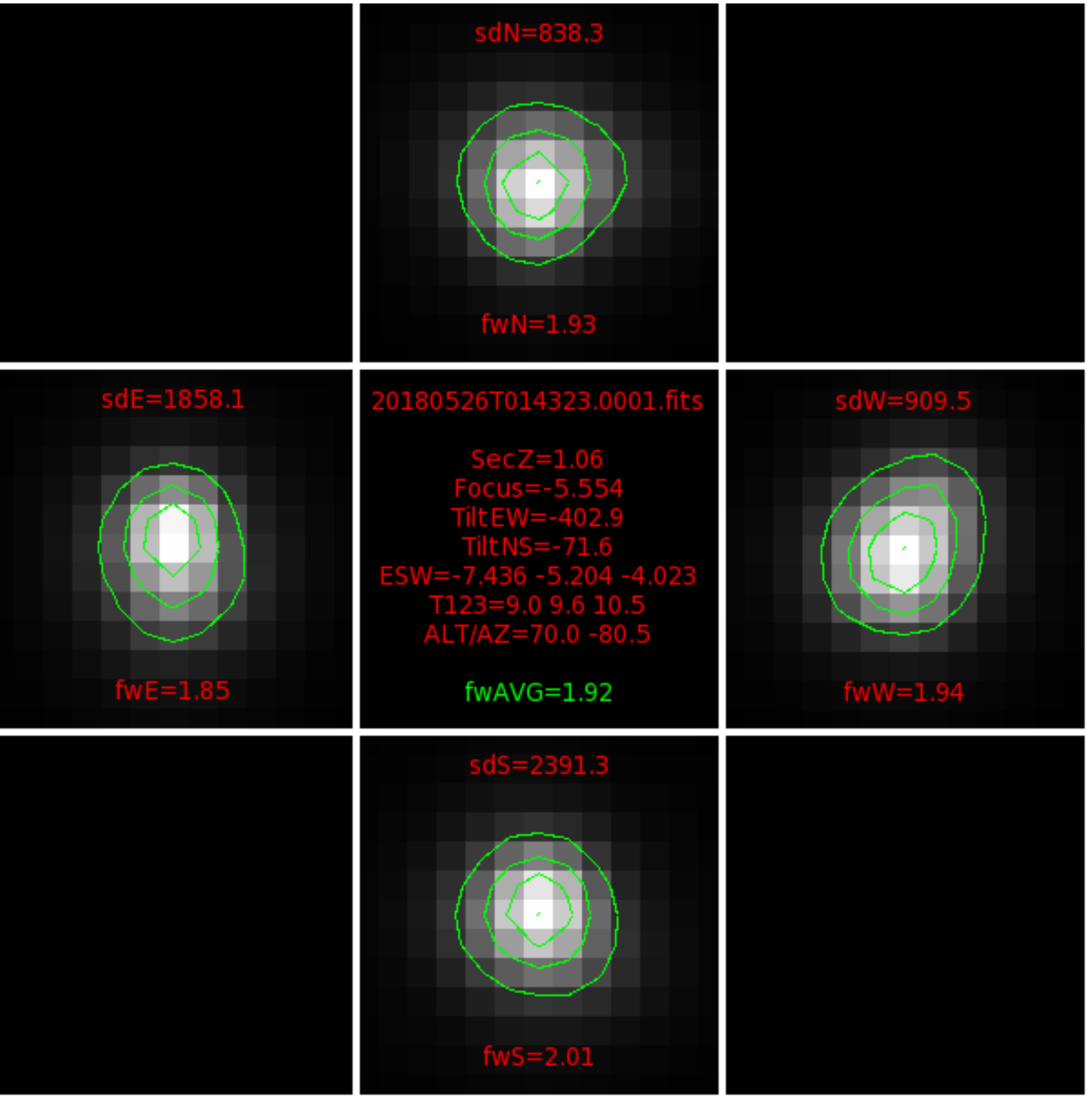
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sdE=1858.1
fwE=1.85
20180526T014323.0001.fits
SecZ=1.06
Focus=-5.554
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.436 -5.204 -4.023
T123=9.0 9.6 10.5
ALT/AZ=70.0 -80.5
fwAVG=1.92
sdW=909.5
fwW=1.94
sdS=2391.3
fwS=2.01
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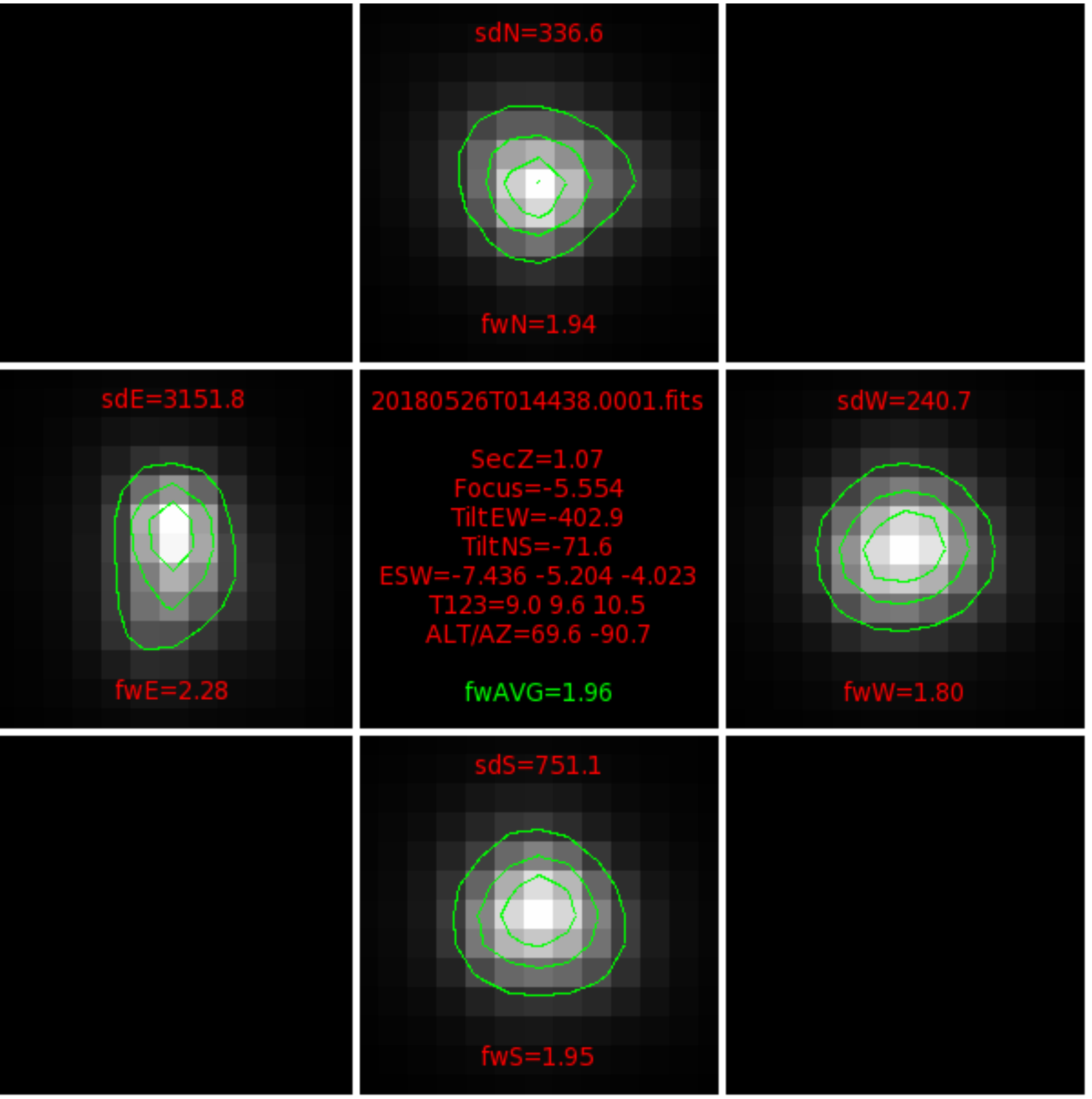
sdN=336.6
fwN=1.94
sdE=3151.8
fwE=2.28
20180526T014438.0001.fits
SecZ=1.07
Focus=-5.554
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.436 -5.204 -4.023
T123=9.0 9.6 10.5
ALT/AZ=69.6 -90.7
fwAVG=1.96
sdW=240.7
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sdS=751.1
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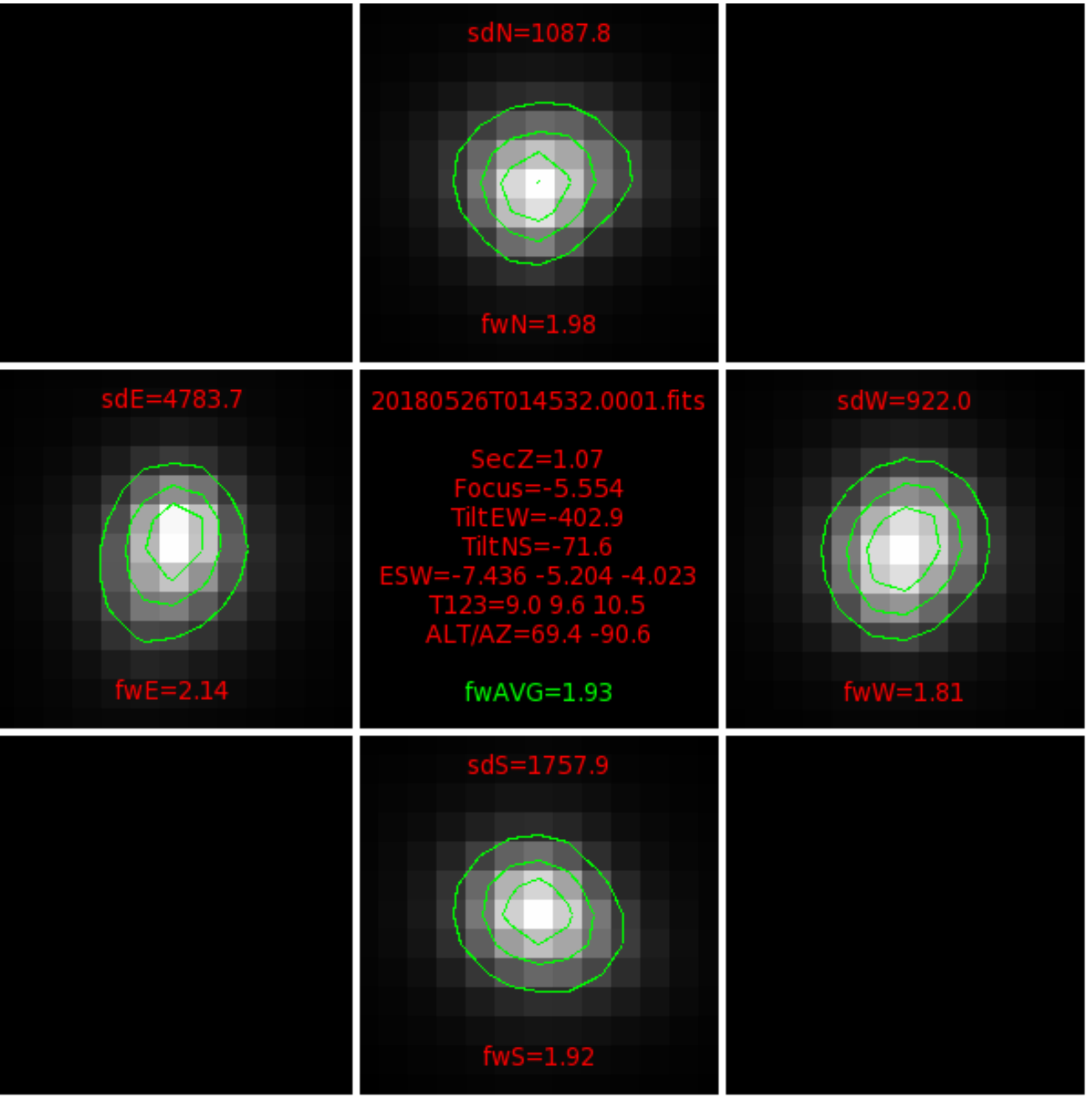
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fwN=1.98
sdE=4783.7
fwE=2.14
20180526T014532.0001.fits
SecZ=1.07
Focus=-5.554
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.436 -5.204 -4.023
T123=9.0 9.6 10.5
ALT/AZ=69.4 -90.6
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sdW=922.0
fwW=1.81
sdS=1757.9
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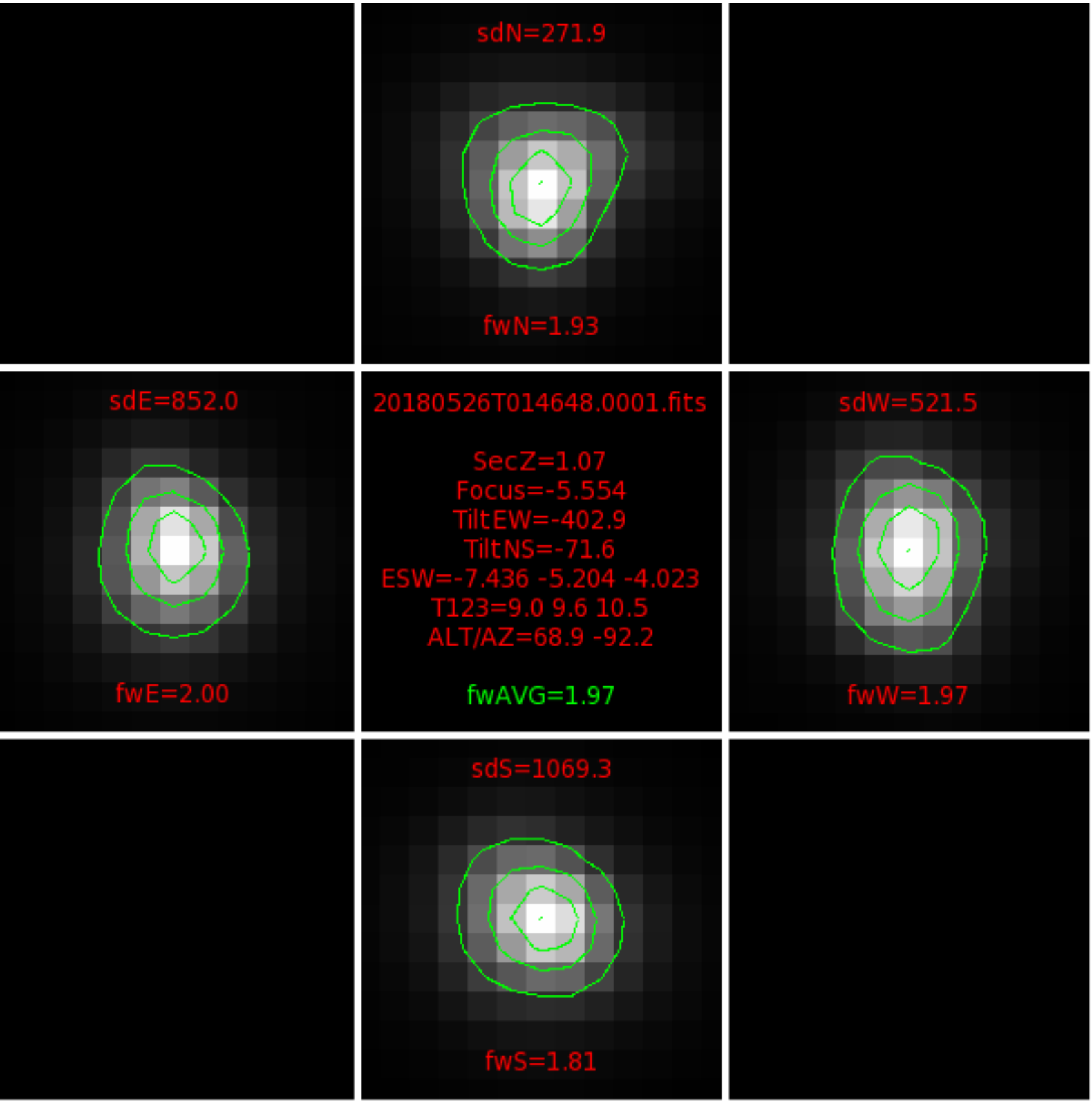
sdN=271.9
fwN=1.93
sdE=852.0
fwE=2.00
20180526T014648.0001.fits
SecZ=1.07
Focus=-5.554
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.436 -5.204 -4.023
T123=9.0 9.6 10.5
ALT/AZ=68.9 -92.2
fwAVG=1.97
sdW=521.5
fwW=1.97
sdS=1069.3
fwS=1.81
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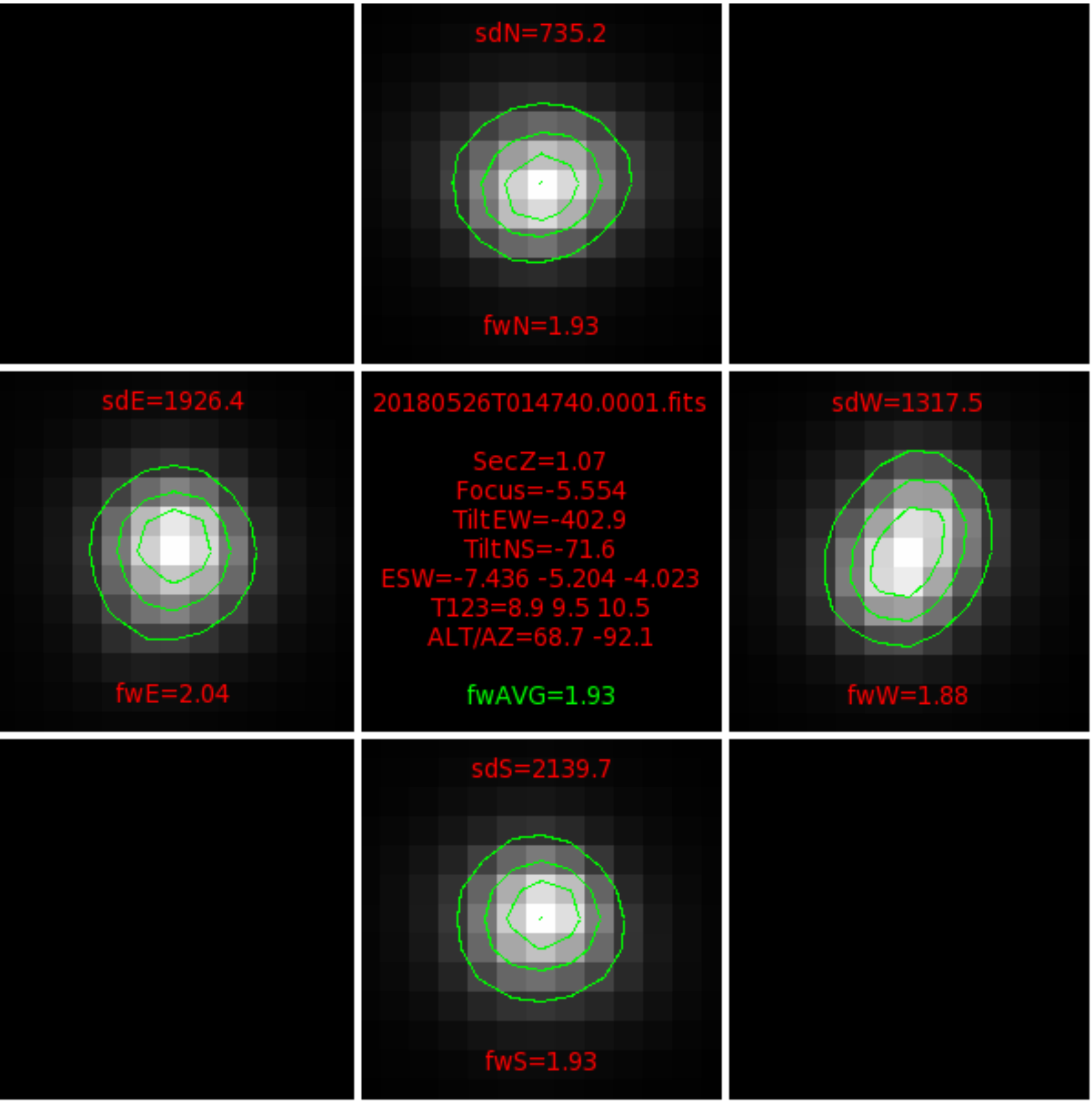
sdN=735.2
fwN=1.93
sdE=1926.4
fwE=2.04
20180526T014740.0001.fits
SecZ=1.07
Focus=-5.554
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.436 -5.204 -4.023
T123=8.9 9.5 10.5
ALT/AZ=68.7 -92.1
fwAVG=1.93
sdW=1317.5
fwW=1.88
sdS=2139.7
fwS=1.93
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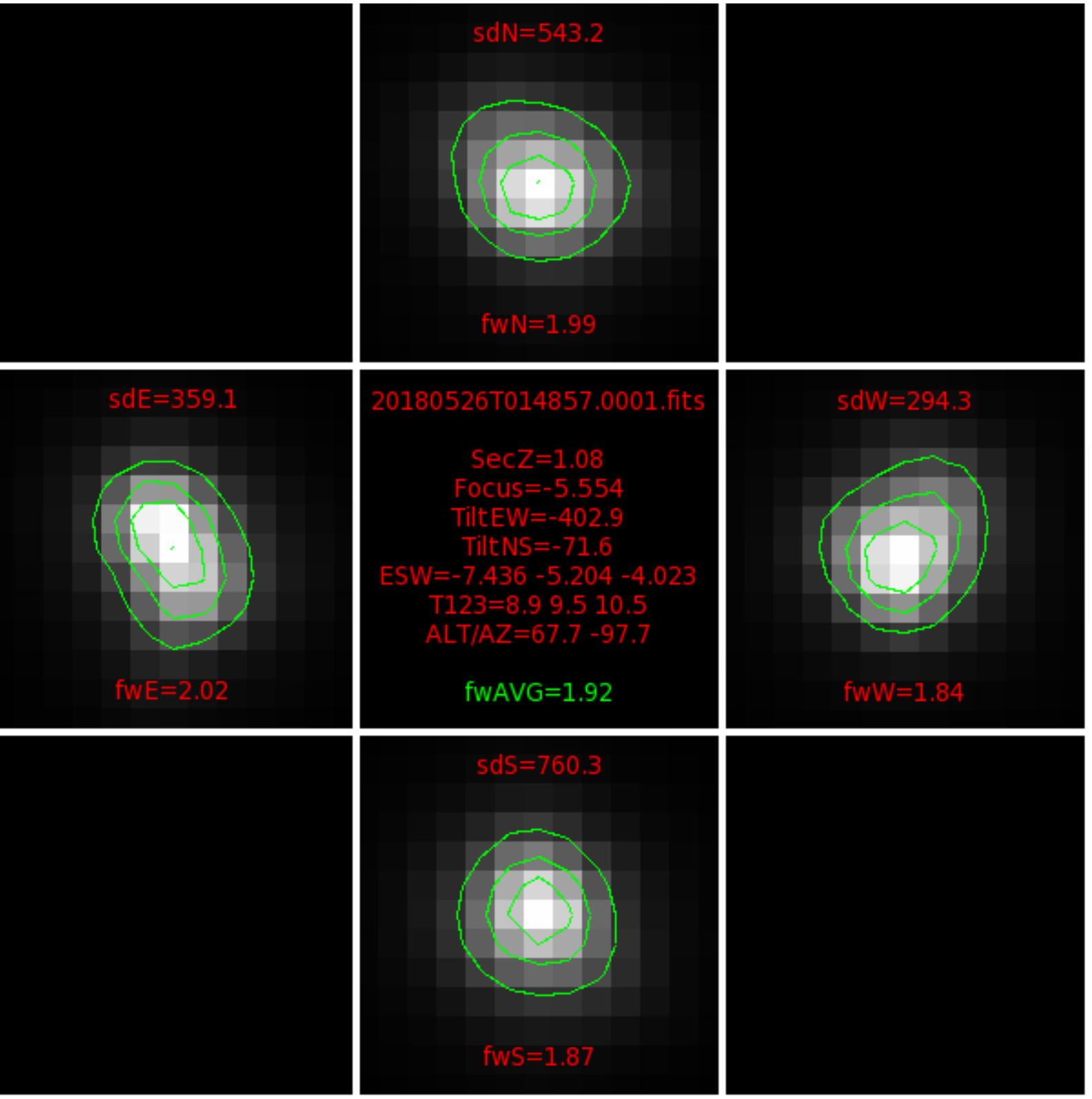
sdN=543.2
fwN=1.99
sdE=359.1
fwE=2.02
20180526T014857.0001.fits
SecZ=1.08
Focus=-5.554
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.436 -5.204 -4.023
T123=8.9 9.5 10.5
ALT/AZ=67.7 -97.7
fwAVG=1.92
sdW=294.3
fwW=1.84
sdS=760.3
fwS=1.87
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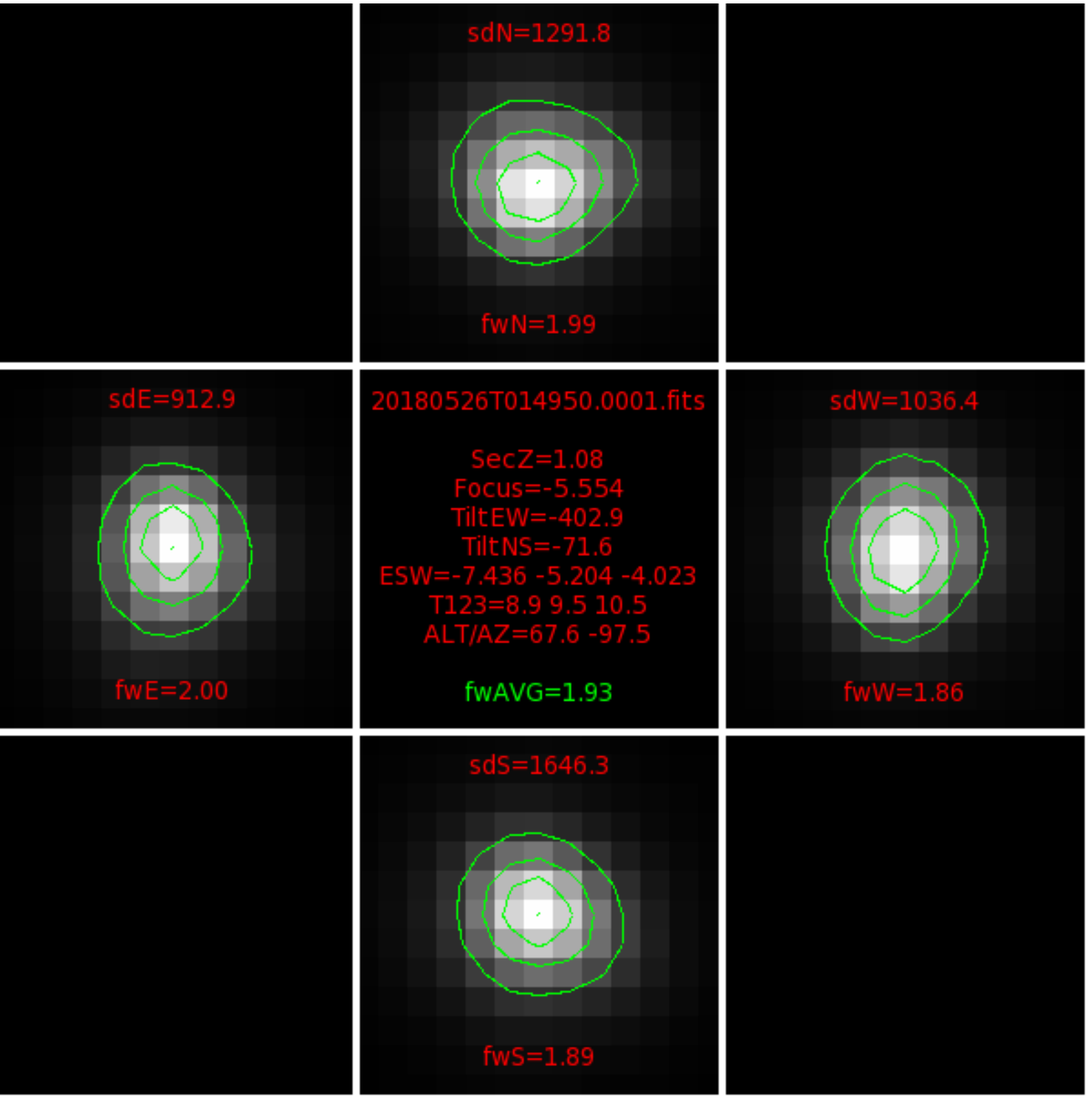
sdN=1291.8
fwN=1.99
sdE=912.9
fwE=2.00
20180526T014950.0001.fits
SecZ=1.08
Focus=-5.554
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.436 -5.204 -4.023
T123=8.9 9.5 10.5
ALT/AZ=67.6 -97.5
fwAVG=1.93
sdW=1036.4
fwW=1.86
sdS=1646.3
fwS=1.89
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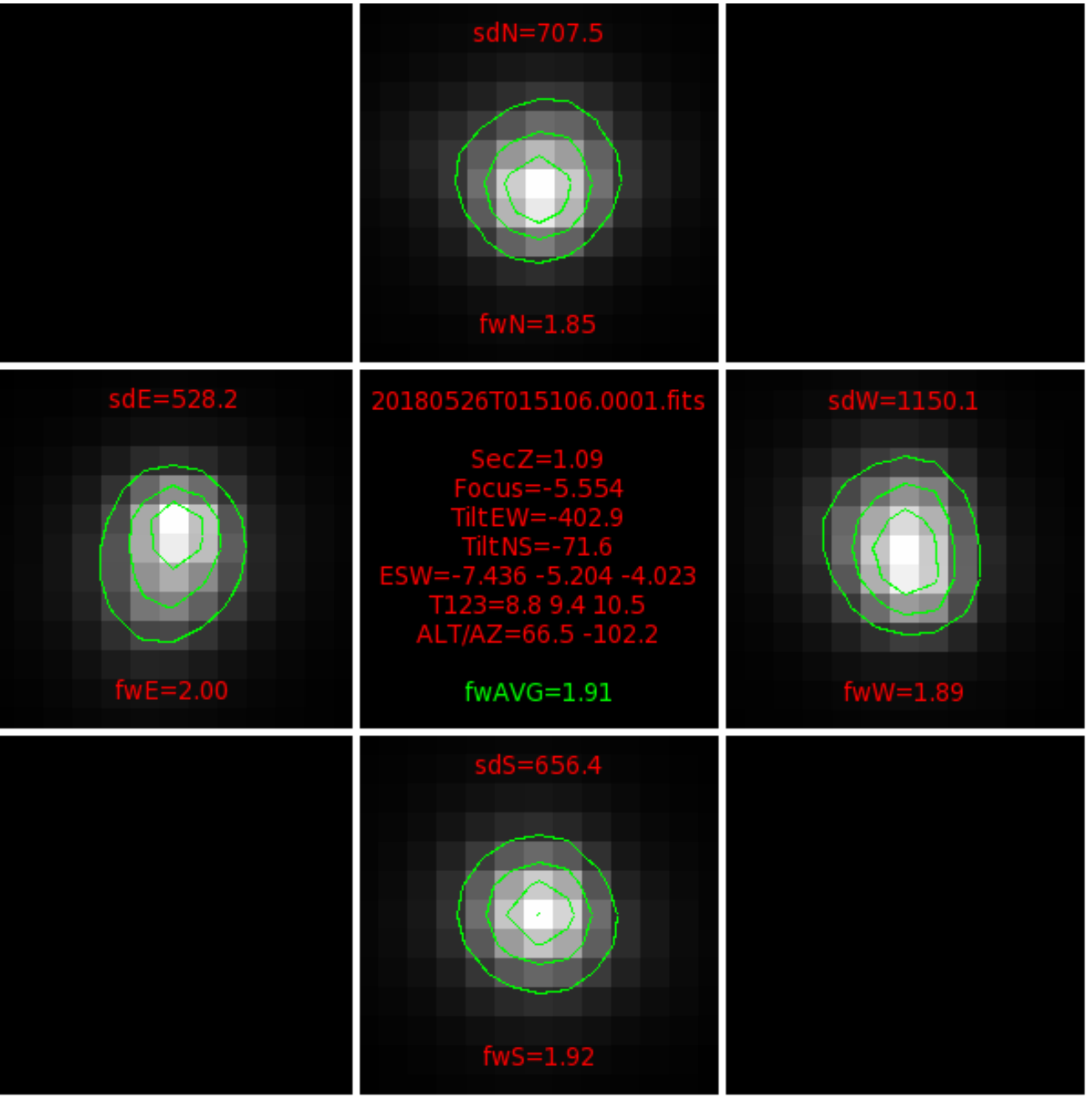
sdN=707.5
fwN=1.85
sdE=528.2
fwE=2.00
20180526T015106.0001.fits
SecZ=1.09
Focus=-5.554
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.436 -5.204 -4.023
T123=8.8 9.4 10.5
ALT/AZ=66.5 -102.2
fwAVG=1.91
sdW=1150.1
fwW=1.89
sdS=656.4
fwS=1.92
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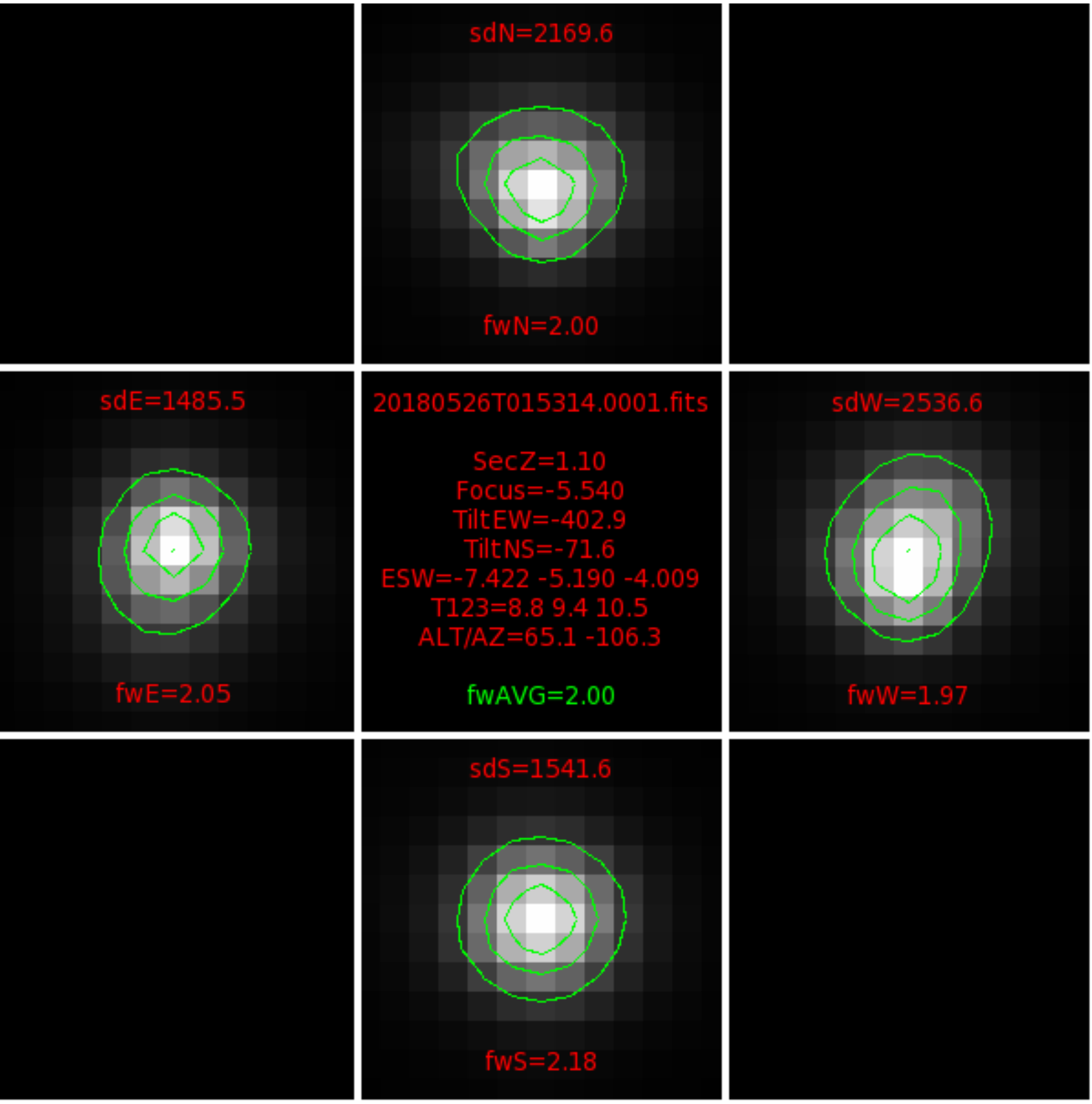
sdN=2169.6
fwN=2.00
sdE=1485.5
fwE=2.05
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SecZ=1.10
Focus=-5.540
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.422 -5.190 -4.009
T123=8.8 9.4 10.5
ALT/AZ=65.1 -106.3
fwAVG=2.00
sdW=2536.6
fwW=1.97
sdS=1541.6
fwS=2.18
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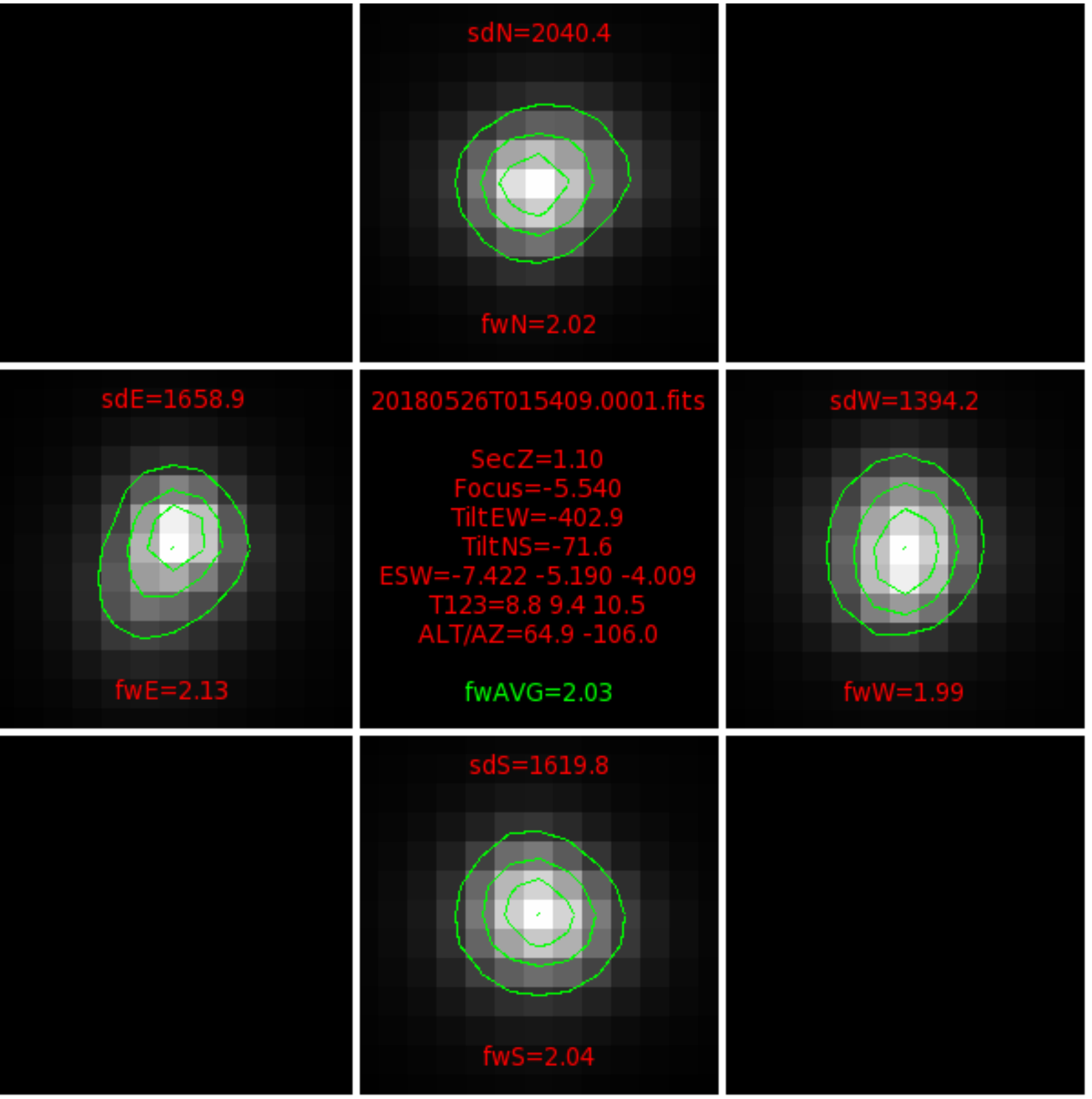
sdN=2040.4
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sdE=1658.9
fwE=2.13
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SecZ=1.10
Focus=-5.540
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.422 -5.190 -4.009
T123=8.8 9.4 10.5
ALT/AZ=64.9 -106.0
fwAVG=2.03
sdW=1394.2
fwW=1.99
sdS=1619.8
fwS=2.04
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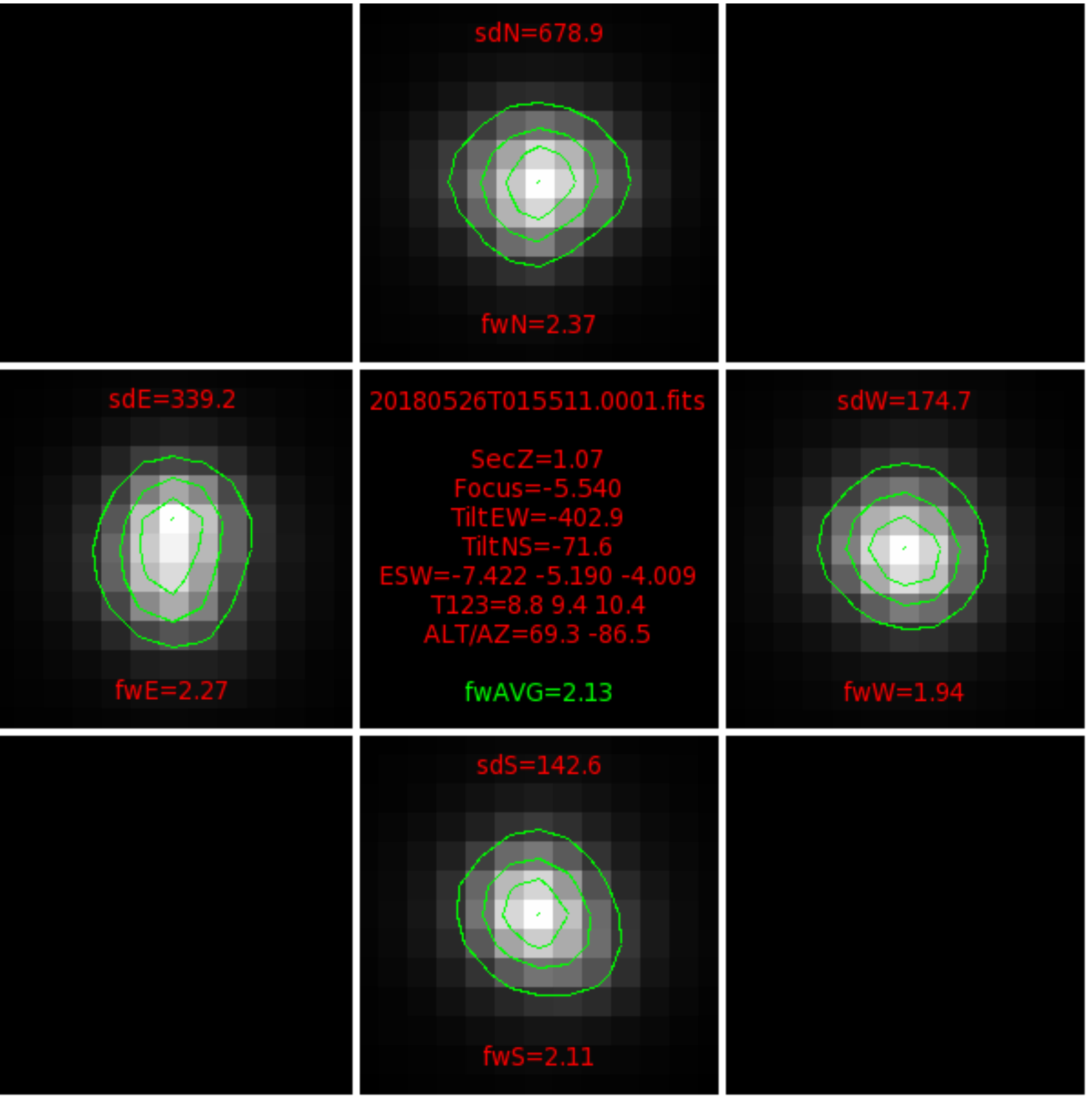
sdN=678.9
fwN=2.37
sdE=339.2
fwE=2.27
20180526T015511.0001.fits
SecZ=1.07
Focus=-5.540
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.422 -5.190 -4.009
T123=8.8 9.4 10.4
ALT/AZ=69.3 -86.5
fwAVG=2.13
sdW=174.7
fwW=1.94
sdS=142.6
fwS=2.11
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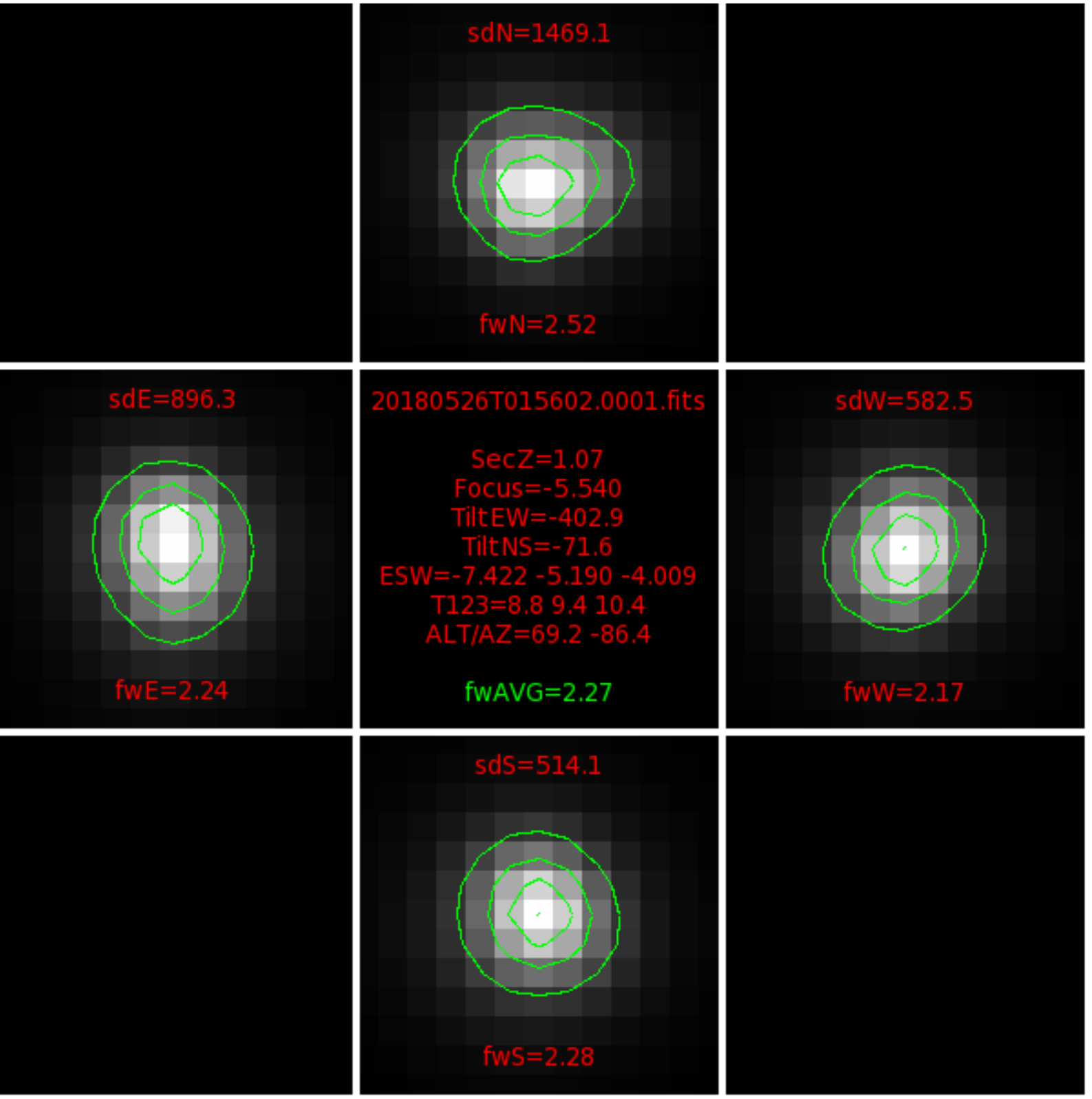
sdN=1469.1
fwN=2.52
sdE=896.3
fwE=2.24
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SecZ=1.07
Focus=-5.540
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.422 -5.190 -4.009
T123=8.8 9.4 10.4
ALT/AZ=69.2 -86.4
fwAVG=2.27
sdW=582.5
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sdS=514.1
fwS=2.28
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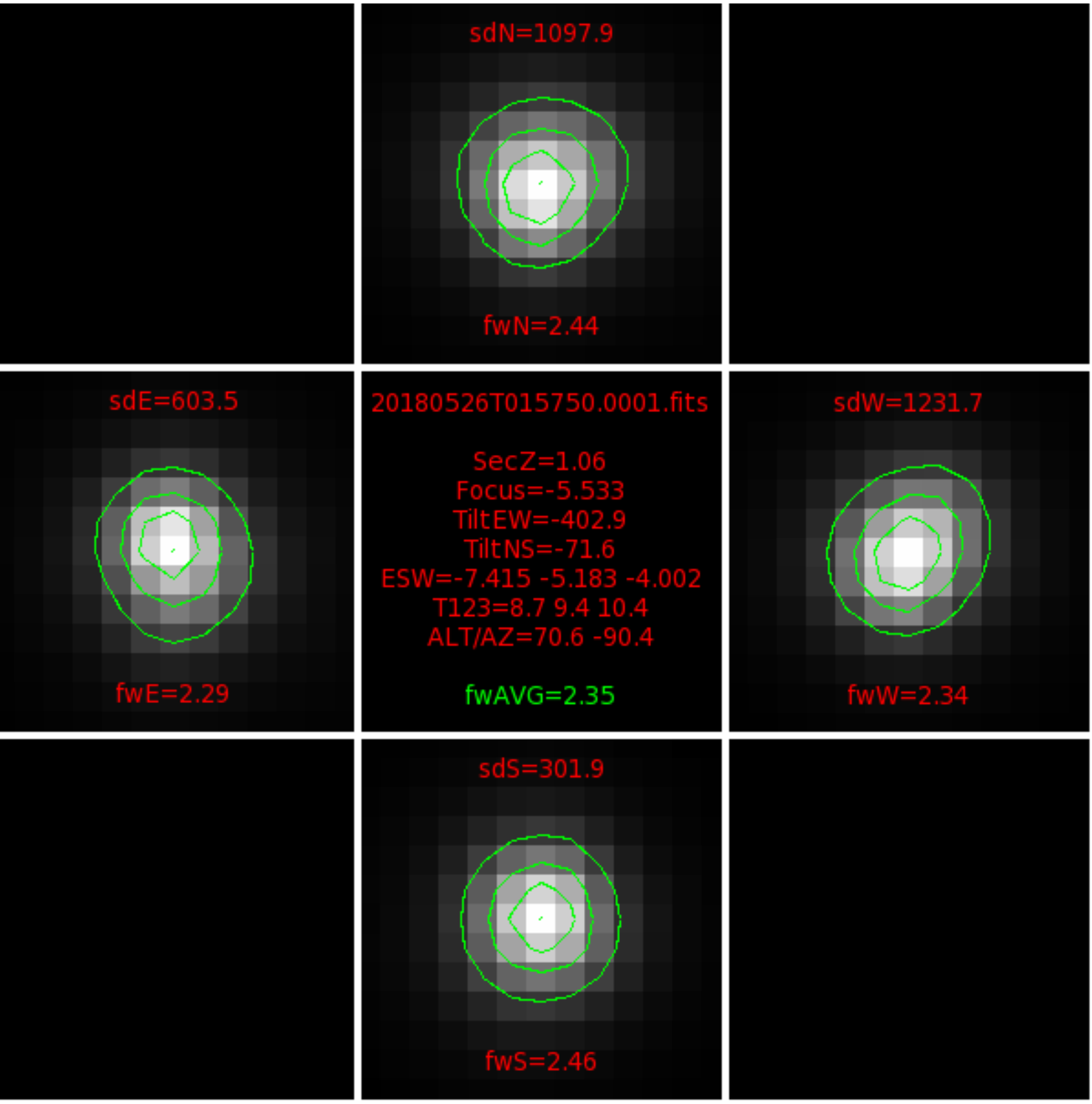
sdN=1097.9
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sdE=603.5
fwE=2.29
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SecZ=1.06
Focus=-5.533
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.415 -5.183 -4.002
T123=8.7 9.4 10.4
ALT/AZ=70.6 -90.4
fwAVG=2.35
sdW=1231.7
fwW=2.34
sdS=301.9
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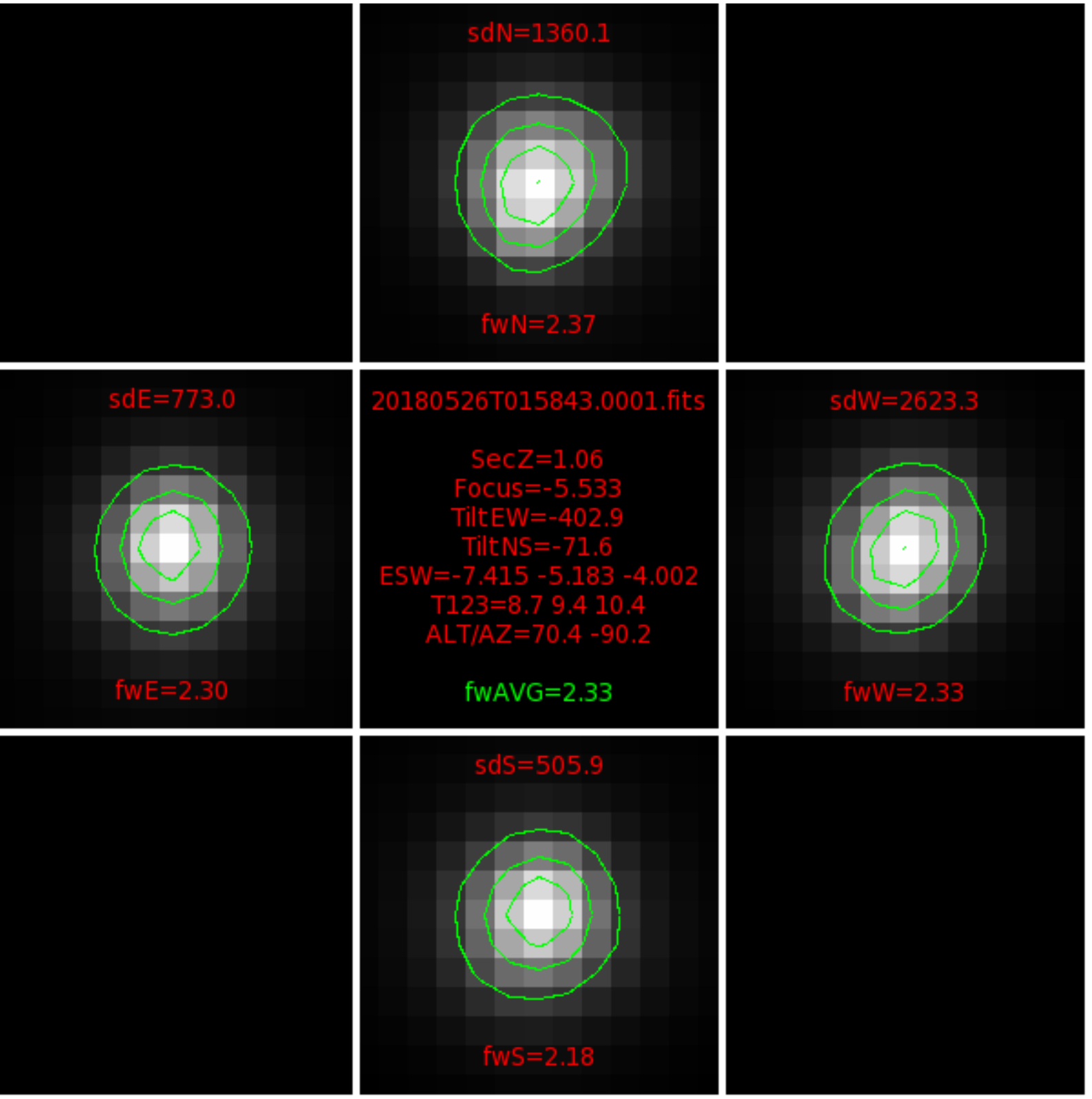
sdN=1360.1
fwN=2.37
sdE=773.0
fwE=2.30
20180526T015843.0001.fits
SecZ=1.06
Focus=-5.533
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.415 -5.183 -4.002
T123=8.7 9.4 10.4
ALT/AZ=70.4 -90.2
fwAVG=2.33
sdW=2623.3
fwW=2.33
sdS=505.9
fwS=2.18
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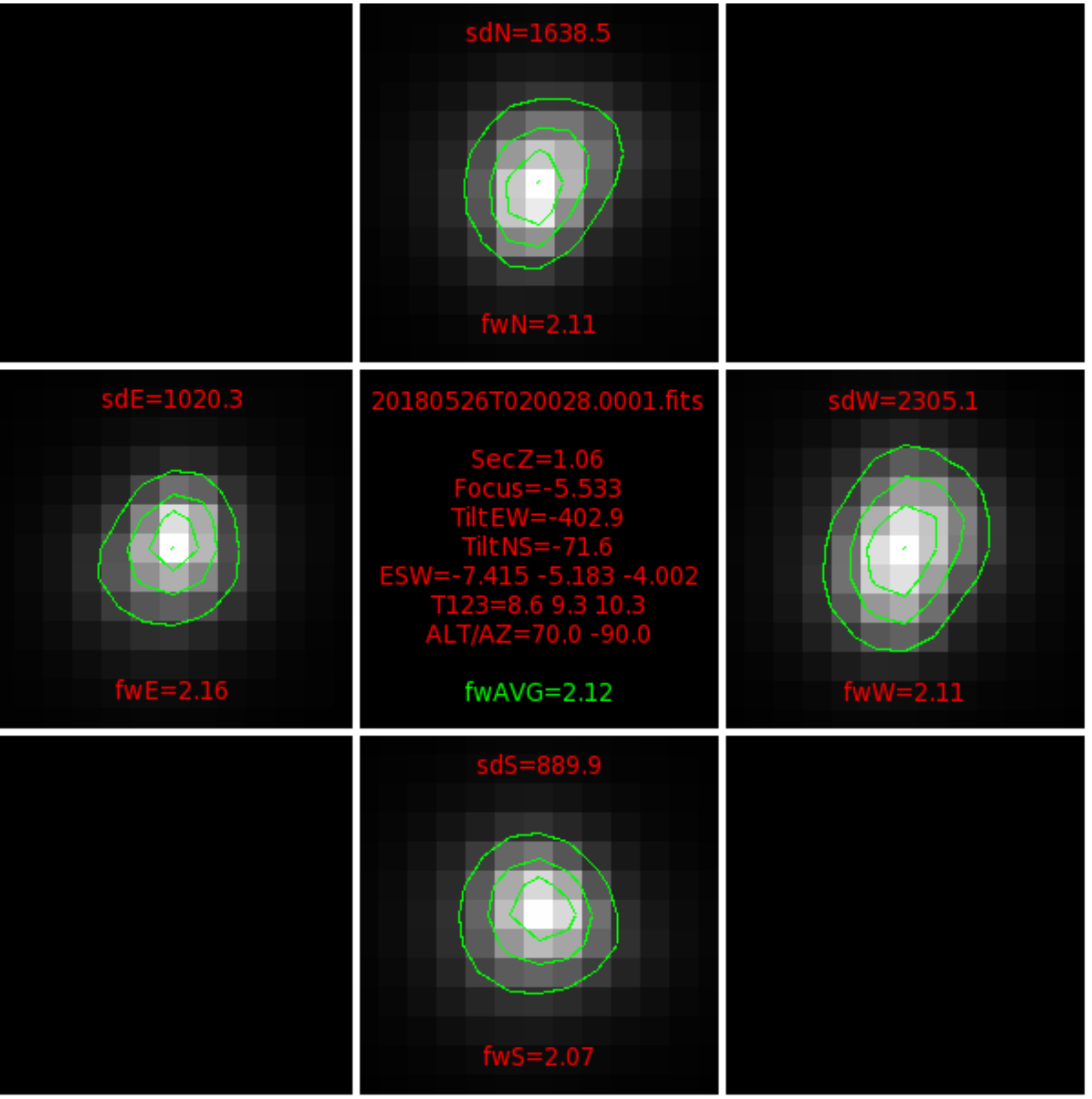
sdN=1638.5
fwN=2.11
sdE=1020.3
fwE=2.16
20180526T020028.0001.fits
SecZ=1.06
Focus=-5.533
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.415 -5.183 -4.002
T123=8.6 9.3 10.3
ALT/AZ=70.0 -90.0
fwAVG=2.12
sdW=2305.1
fwW=2.11
sdS=889.9
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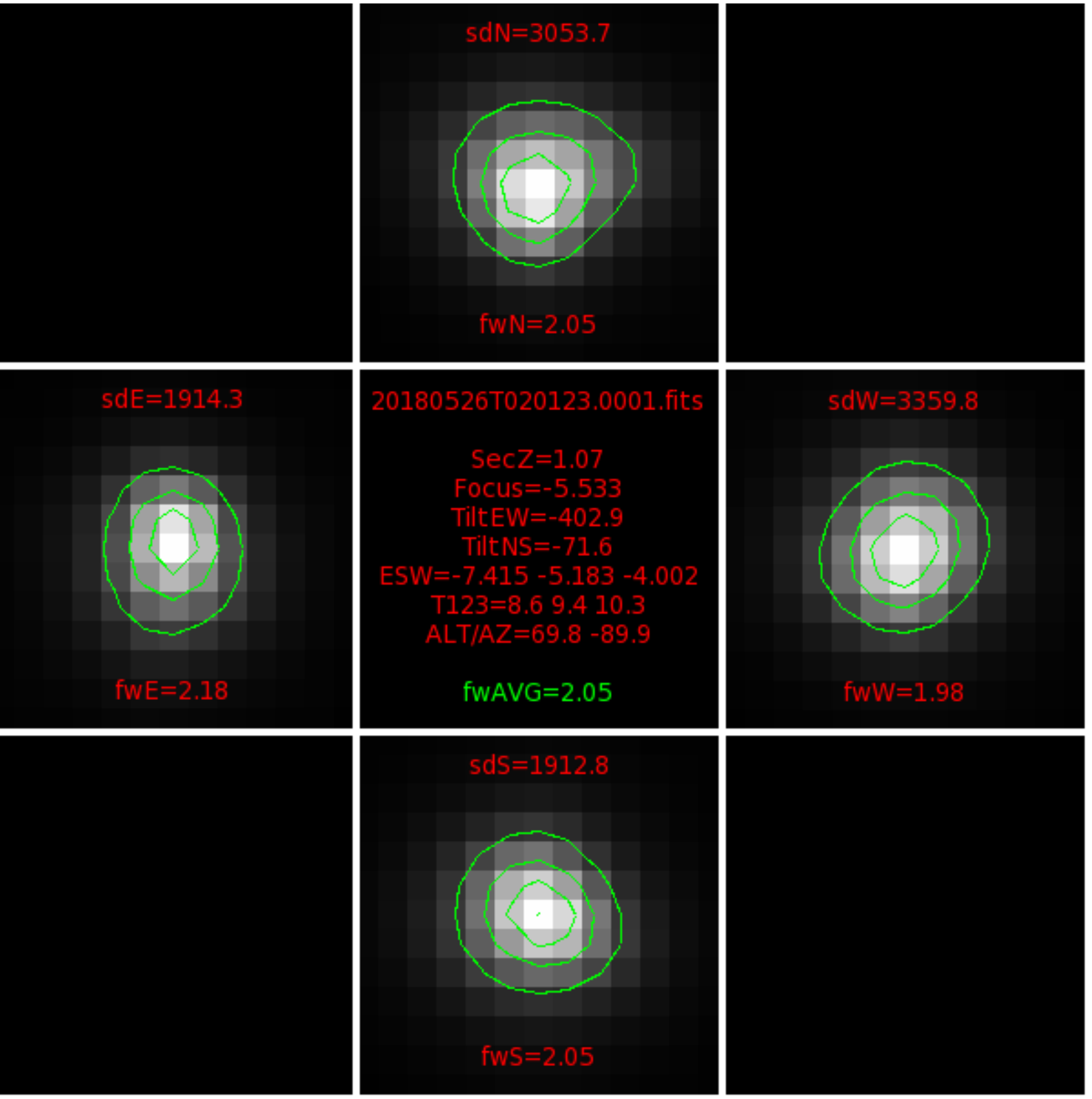
sdN=3053.7
fwN=2.05
sdE=1914.3
fwE=2.18
20180526T020123.0001.fits
SecZ=1.07
Focus=-5.533
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.415 -5.183 -4.002
T123=8.6 9.4 10.3
ALT/AZ=69.8 -89.9
fwAVG=2.05
sdW=3359.8
fwW=1.98
sdS=1912.8
fwS=2.05
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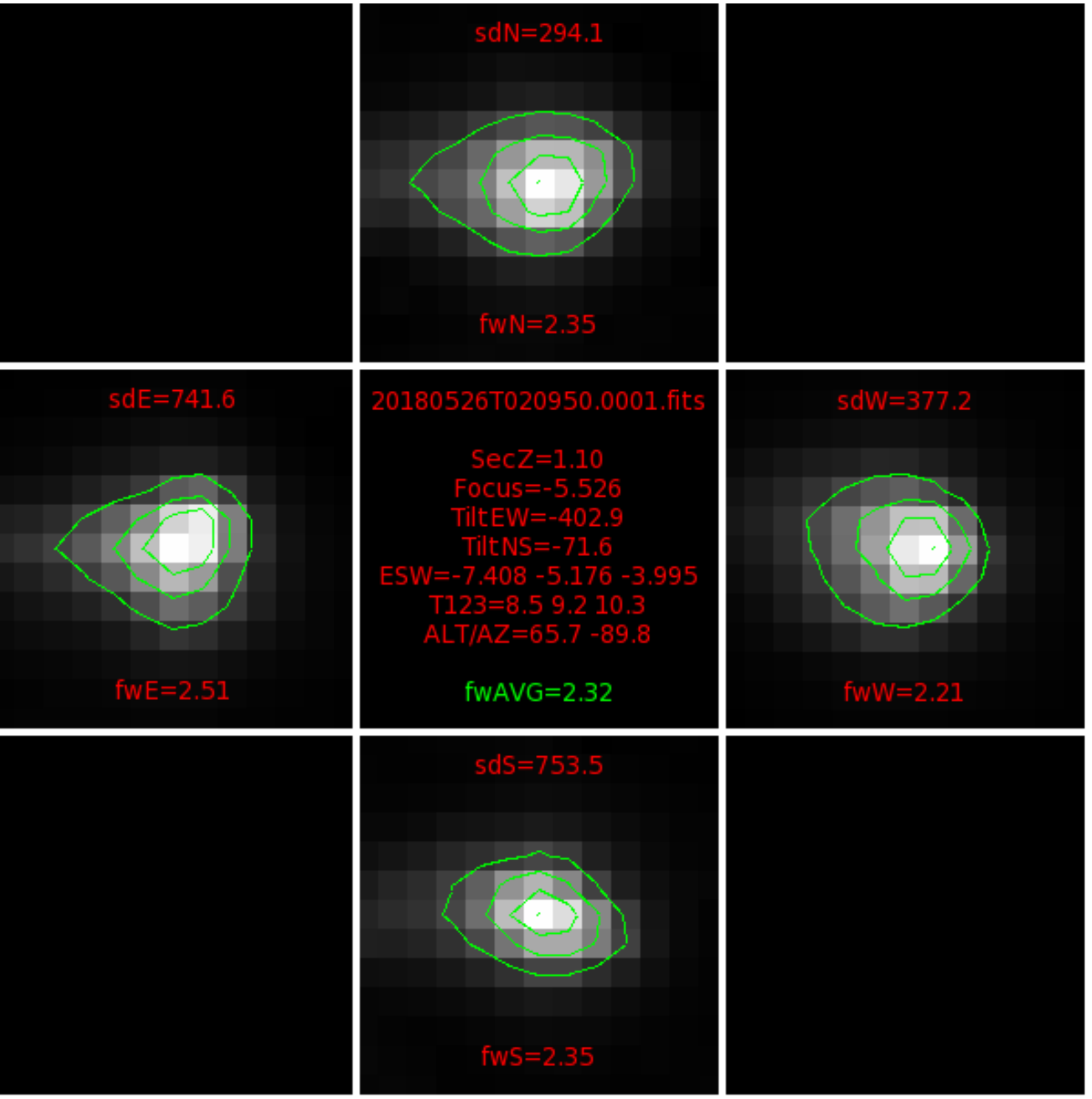
sdN=294.1
fwN=2.35
sdE=741.6
fwE=2.51
20180526T020950.0001.fits
SecZ=1.10
Focus=-5.526
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.408 -5.176 -3.995
T123=8.5 9.2 10.3
ALT/AZ=65.7 -89.8
fwAVG=2.32
sdW=377.2
fwW=2.21
sdS=753.5
fwS=2.35
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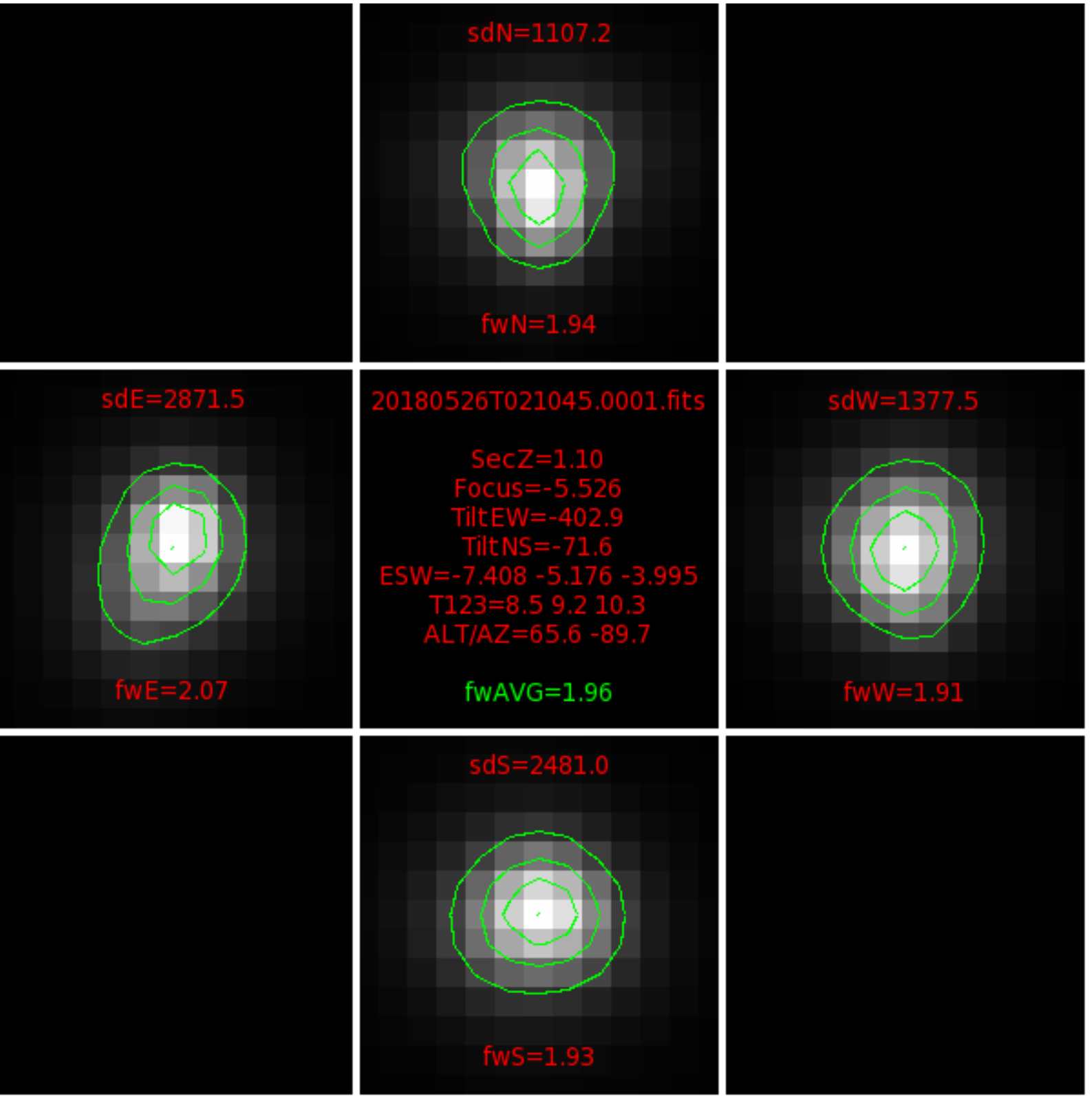
sdN=1107.2
fwN=1.94
sdE=2871.5
fwE=2.07
20180526T021045.0001.fits
SecZ=1.10
Focus=-5.526
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.408 -5.176 -3.995
T123=8.5 9.2 10.3
ALT/AZ=65.6 -89.7
fwAVG=1.96
sdW=1377.5
fwW=1.91
sdS=2481.0
fwS=1.93
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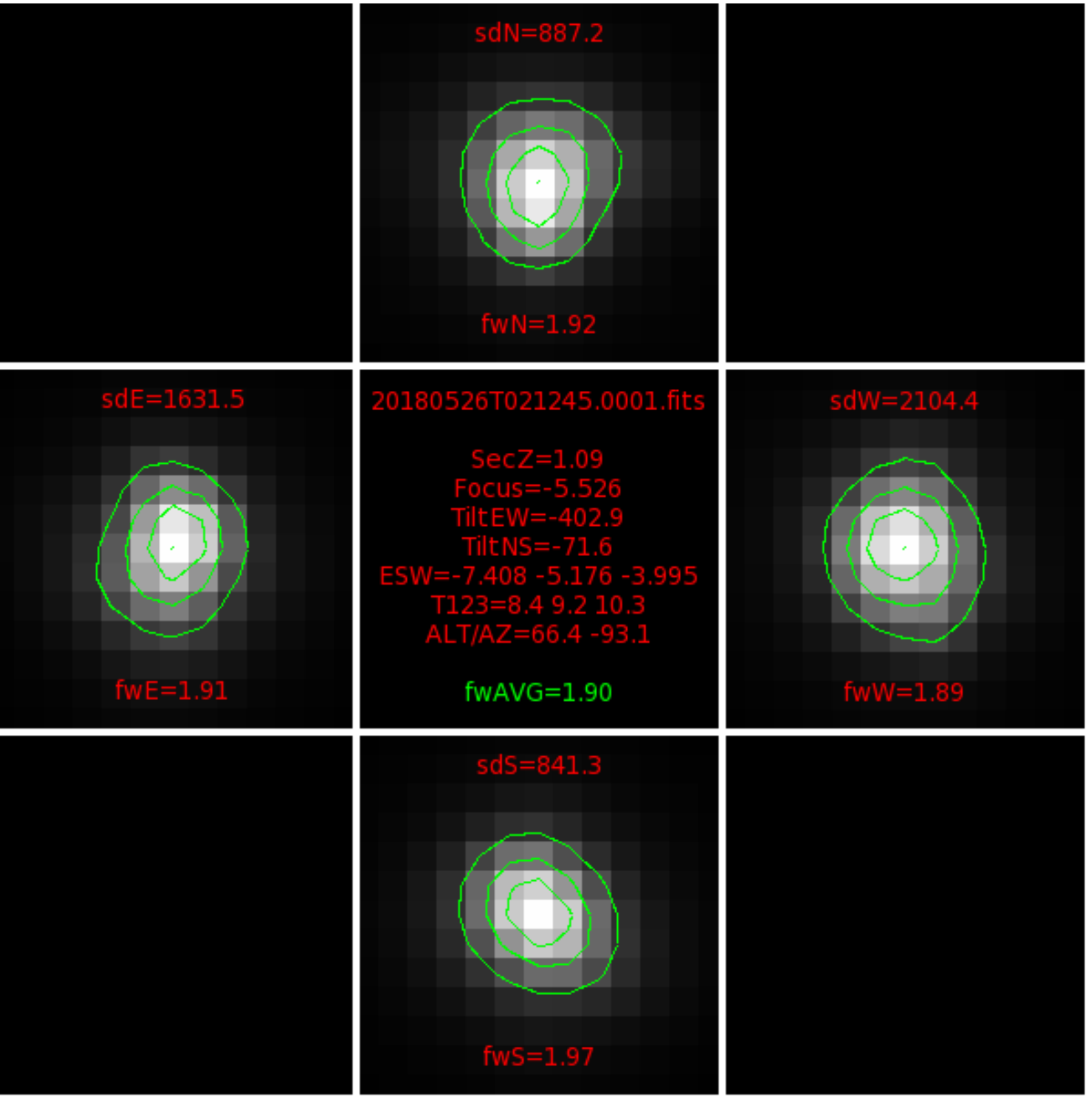
sdN=887.2
fwN=1.92
sdE=1631.5
fwE=1.91
20180526T021245.0001.fits
SecZ=1.09
Focus=-5.526
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.408 -5.176 -3.995
T123=8.4 9.2 10.3
ALT/AZ=66.4 -93.1
fwAVG=1.90
sdW=2104.4
fwW=1.89
sdS=841.3
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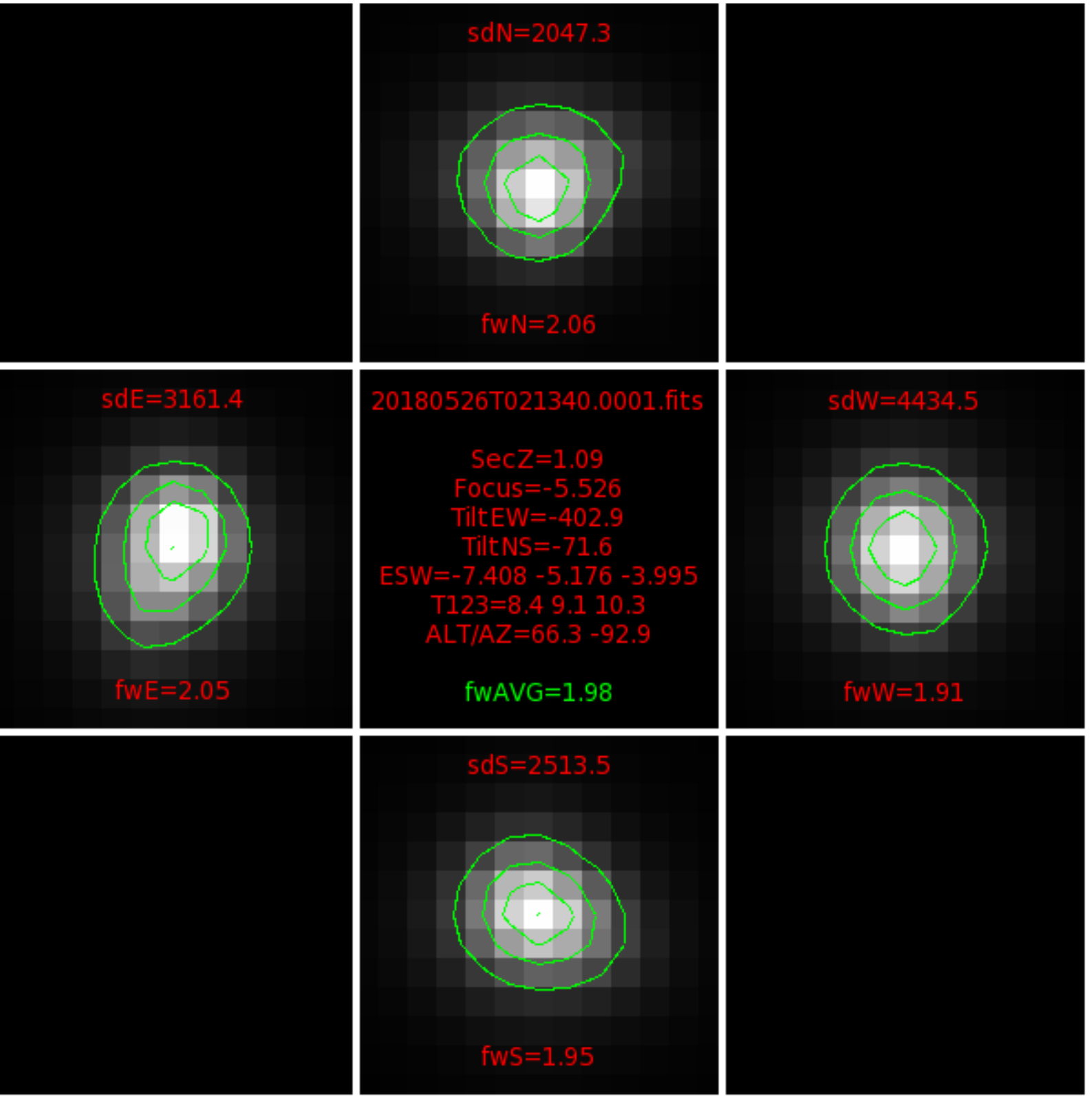
sdN=2047.3
fwN=2.06
sdE=3161.4
fwE=2.05
20180526T021340.0001.fits
SecZ=1.09
Focus=-5.526
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.408 -5.176 -3.995
T123=8.4 9.1 10.3
ALT/AZ=66.3 -92.9
fwAVG=1.98
sdW=4434.5
fwW=1.91
sdS=2513.5
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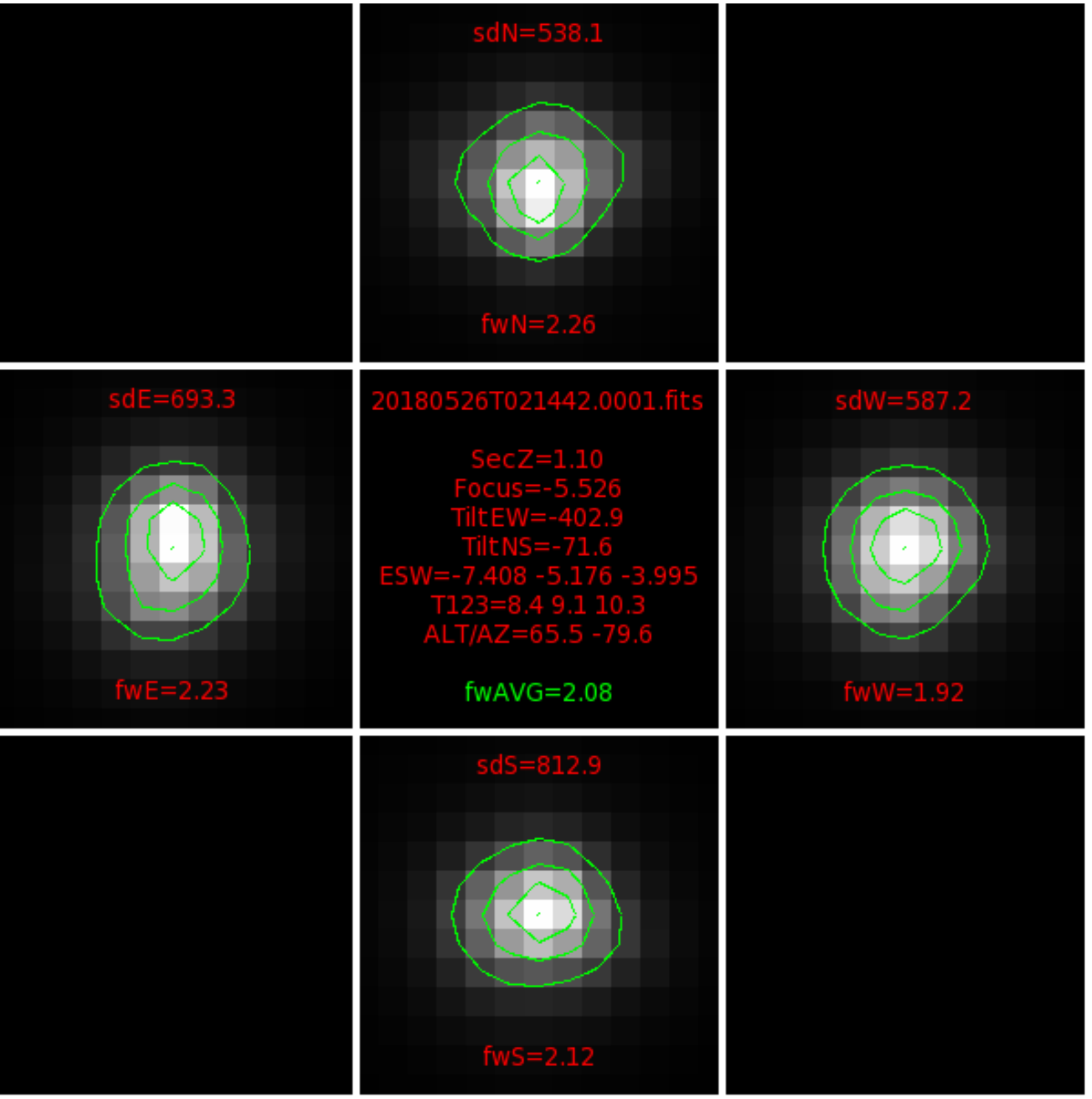
sdN=538.1
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sdE=693.3
fwE=2.23
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SecZ=1.10
Focus=-5.526
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.408 -5.176 -3.995
T123=8.4 9.1 10.3
ALT/AZ=65.5 -79.6
fwAVG=2.08
sdW=587.2
fwW=1.92
sdS=812.9
fwS=2.12
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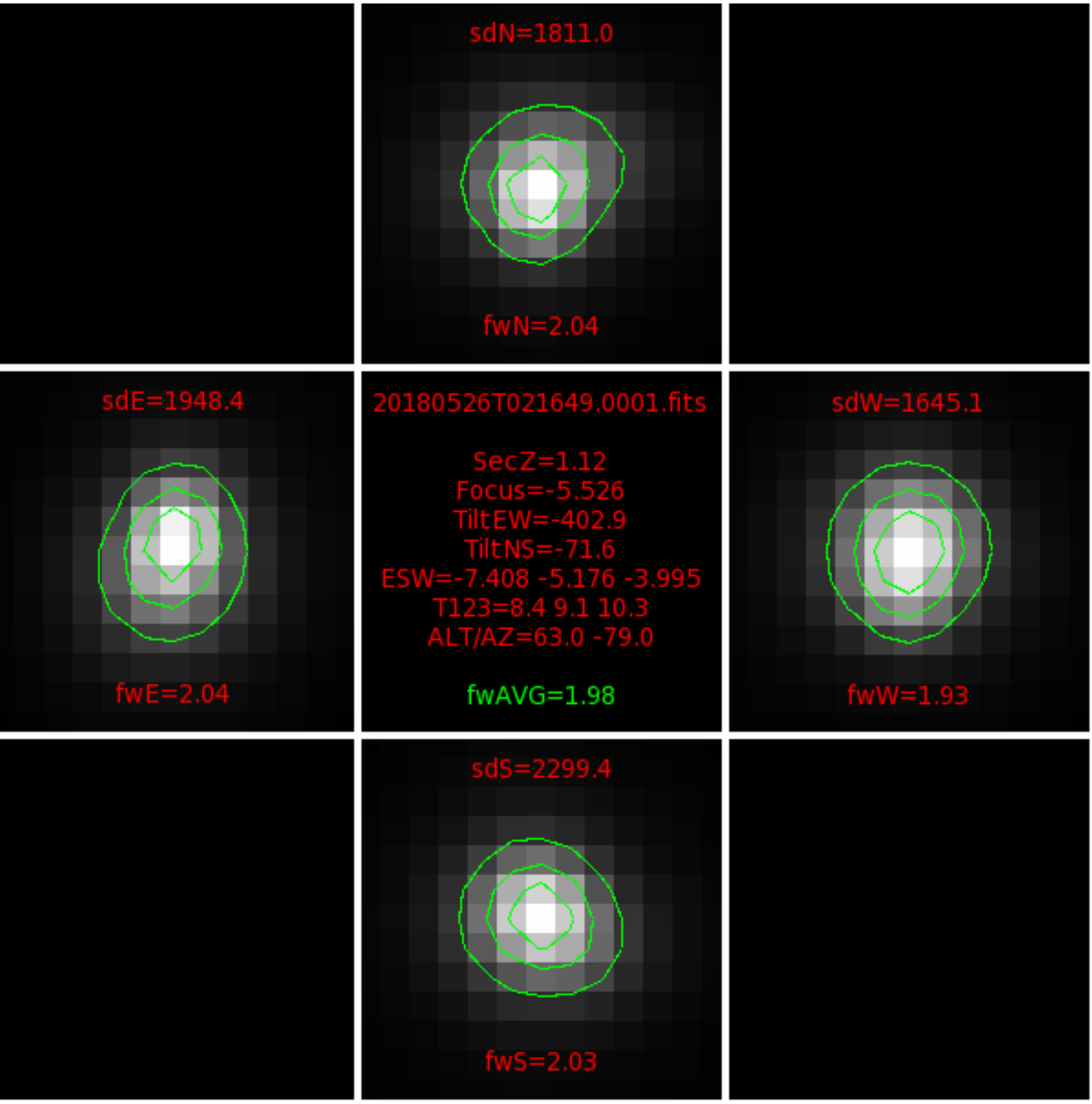
sdN=1811.0
fwN=2.04
sdE=1948.4
fwE=2.04
20180526T021649.0001.fits
SecZ=1.12
Focus=-5.526
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.408 -5.176 -3.995
T123=8.4 9.1 10.3
ALT/AZ=63.0 -79.0
fwAVG=1.98
sdW=1645.1
fwW=1.93
sdS=2299.4
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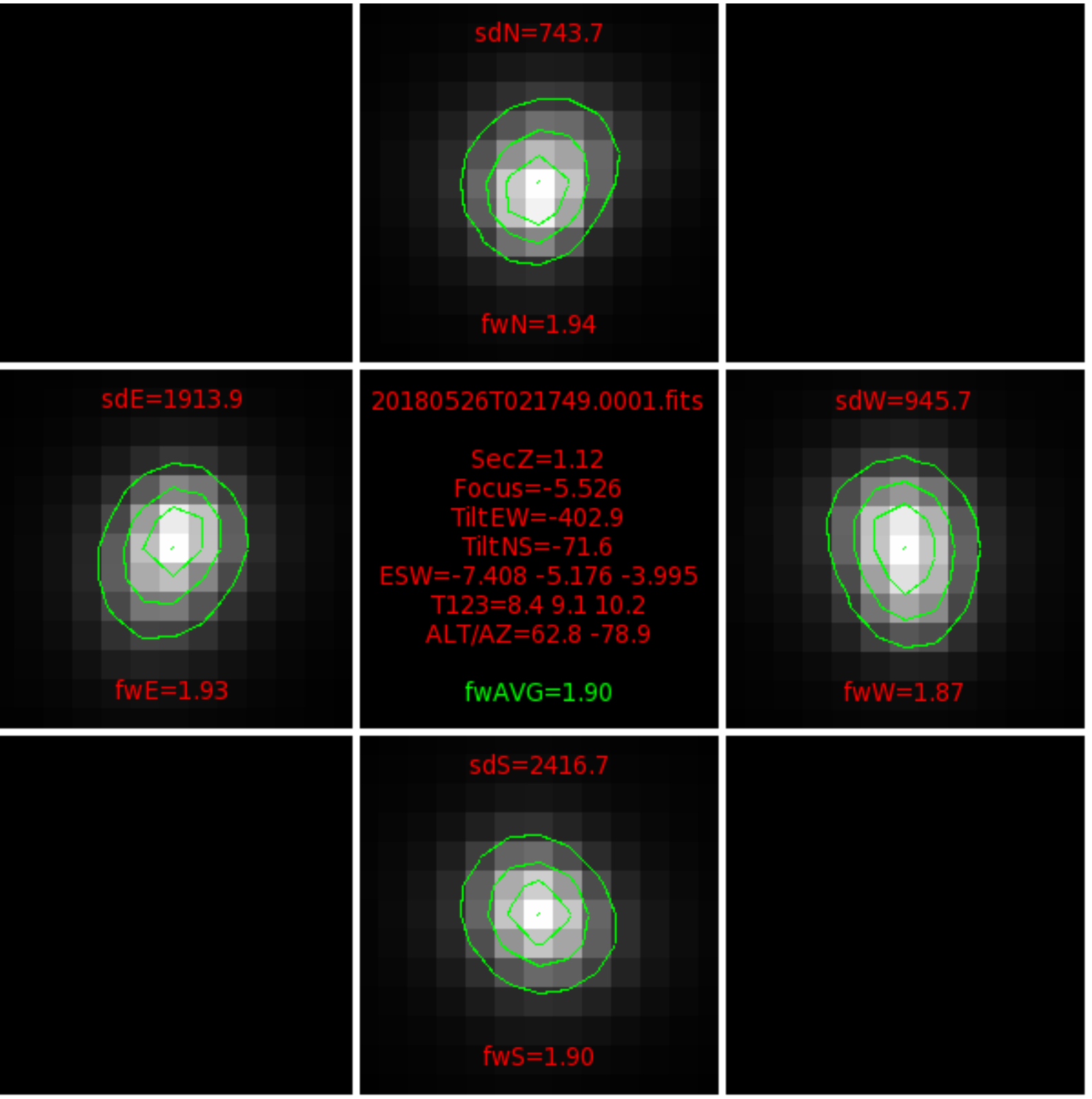
sdN=743.7
fwN=1.94
sdE=1913.9
fwE=1.93
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SecZ=1.12
Focus=-5.526
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.408 -5.176 -3.995
T123=8.4 9.1 10.2
ALT/AZ=62.8 -78.9
fwAVG=1.90
sdW=945.7
fwW=1.87
sdS=2416.7
fwS=1.90
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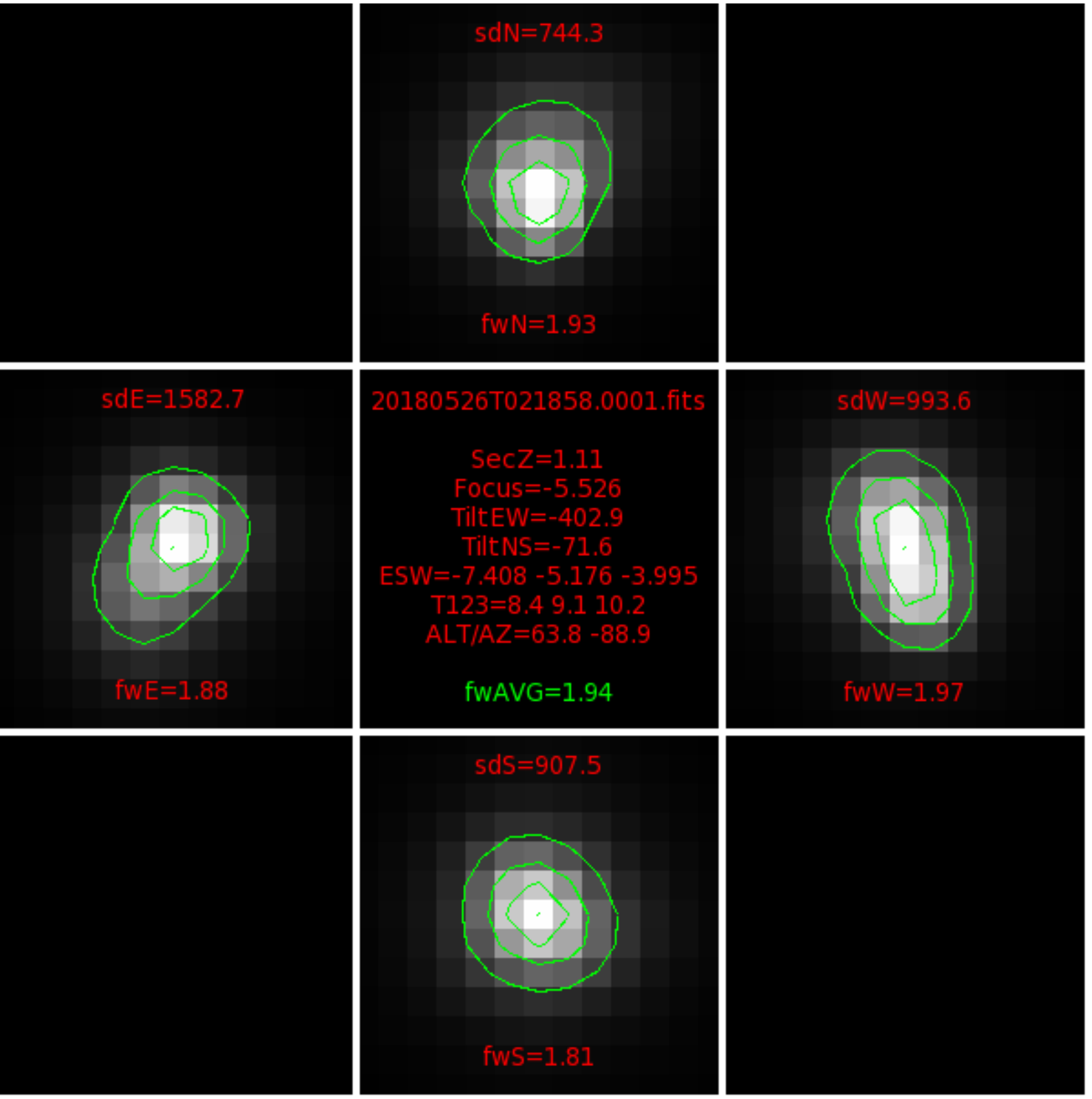
sdN=744.3
fwN=1.93
sdE=1582.7
fwE=1.88
20180526T021858.0001.fits
SecZ=1.11
Focus=-5.526
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.408 -5.176 -3.995
T123=8.4 9.1 10.2
ALT/AZ=63.8 -88.9
fwAVG=1.94
sdW=993.6
fwW=1.97
sdS=907.5
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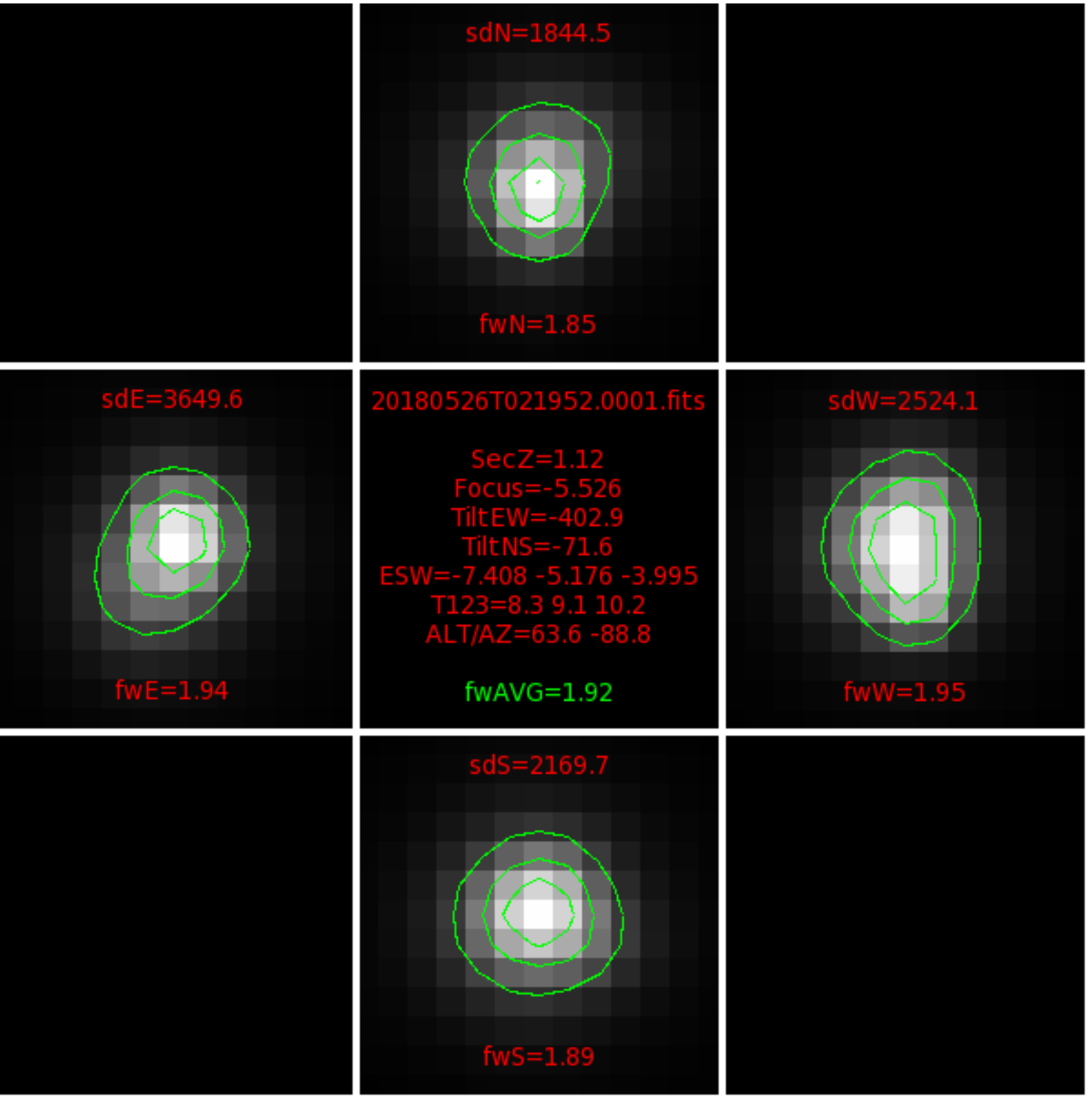
sdN=1844.5
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sdE=3649.6
fwE=1.94
20180526T021952.0001.fits
SecZ=1.12
Focus=-5.526
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.408 -5.176 -3.995
T123=8.3 9.1 10.2
ALT/AZ=63.6 -88.8
fwAVG=1.92
sdW=2524.1
fwW=1.95
sdS=2169.7
fwS=1.89
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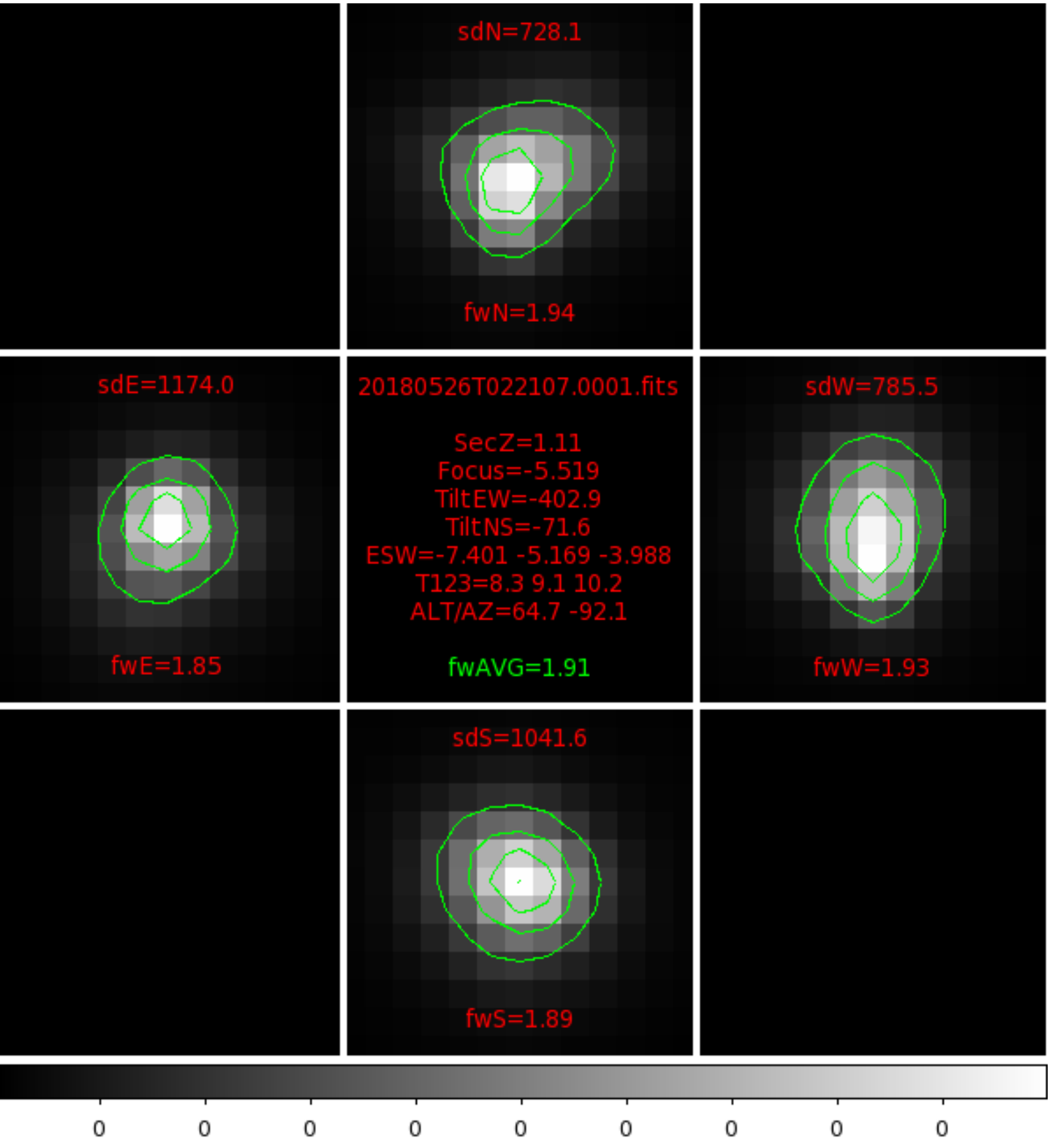
sdN=728.1
fwN=1.94
sdE=1174.0
fwE=1.85
20180526T022107.0001.fits
SecZ=1.11
Focus=-5.519
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.401 -5.169 -3.988
T123=8.3 9.1 10.2
ALT/AZ=64.7 -92.1
fwAVG=1.91
sdW=785.5
fwW=1.93
sdS=1041.6
fwS=1.89
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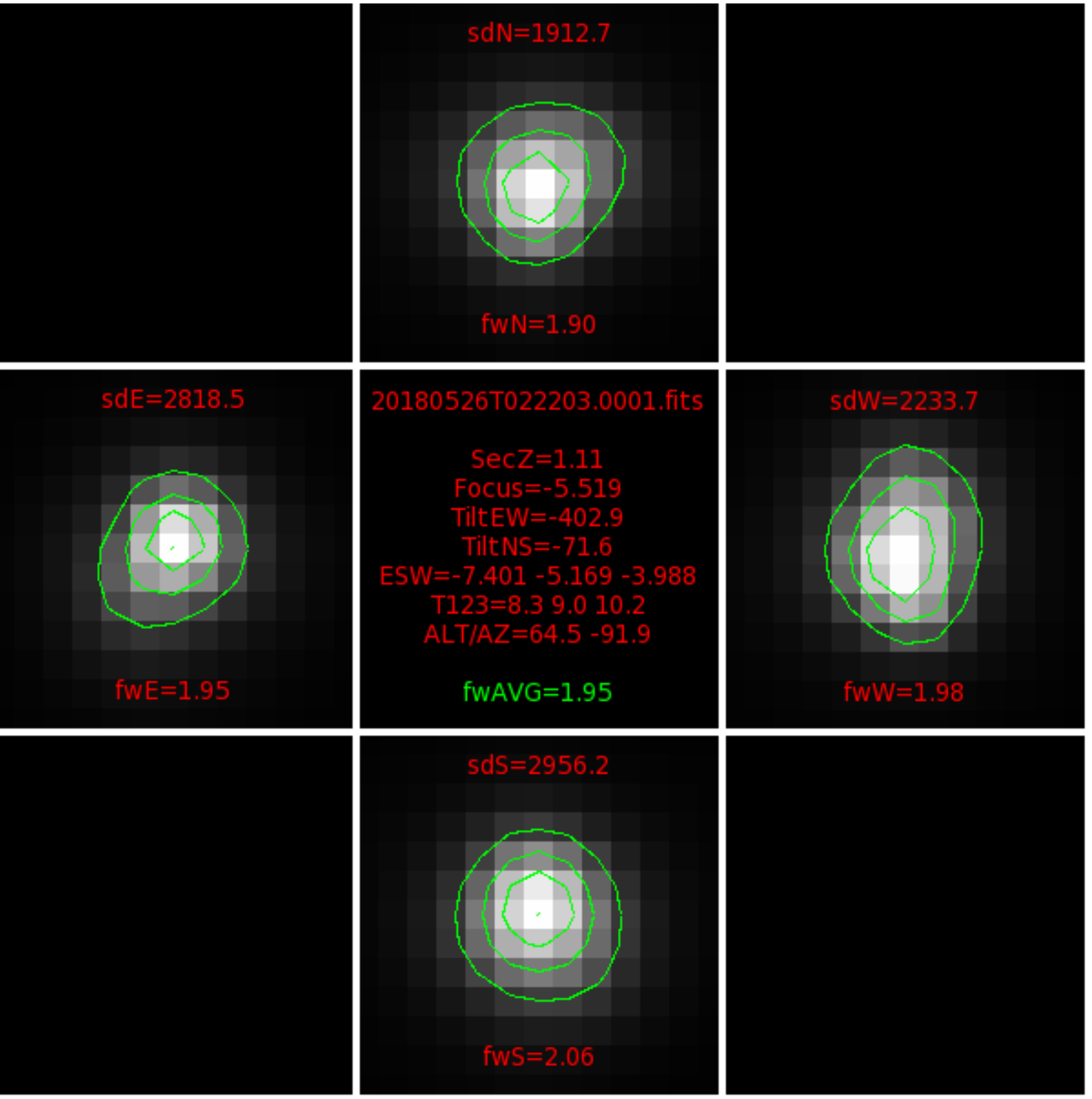
sdN=1912.7
fwN=1.90
sdE=2818.5
fwE=1.95
20180526T022203.0001.fits
SecZ=1.11
Focus=-5.519
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.401 -5.169 -3.988
T123=8.3 9.0 10.2
ALT/AZ=64.5 -91.9
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sdW=2233.7
fwW=1.98
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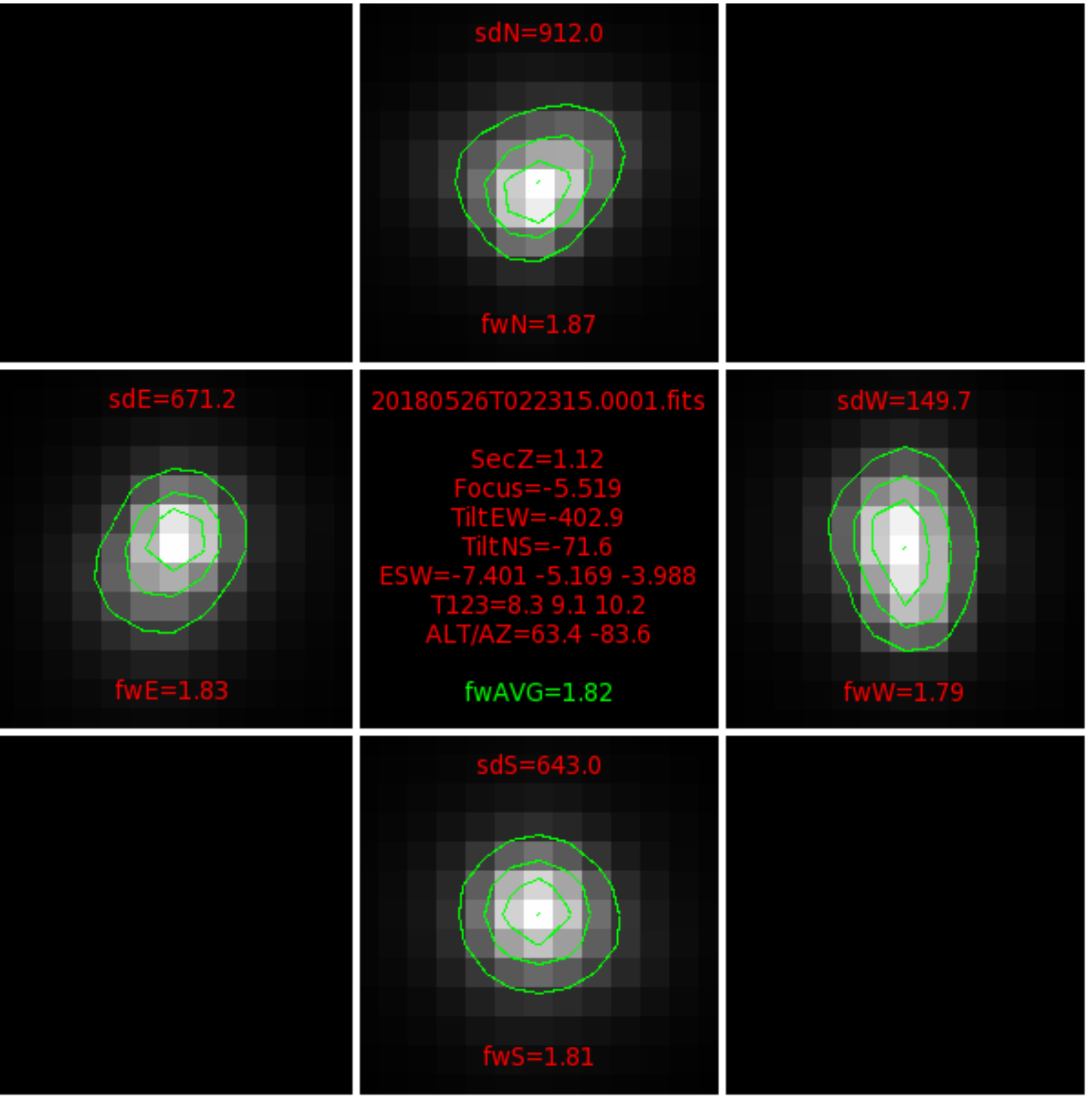
sdN=912.0
fwN=1.87
sdE=671.2
fwE=1.83
20180526T022315.0001.fits
SecZ=1.12
Focus=-5.519
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.401 -5.169 -3.988
T123=8.3 9.1 10.2
ALT/AZ=63.4 -83.6
fwAVG=1.82
sdW=149.7
fwW=1.79
sdS=643.0
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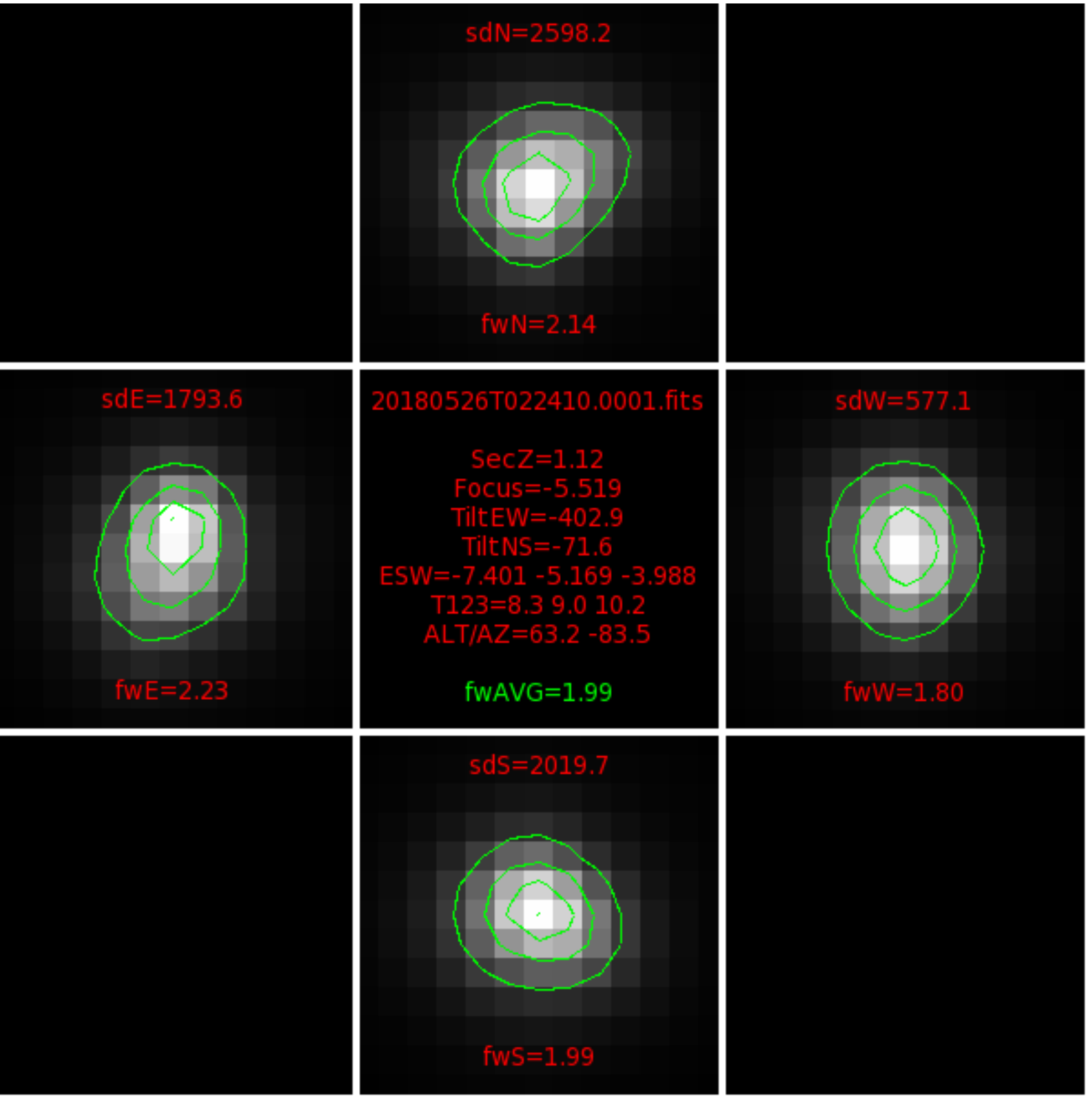
sdN=2598.2
fwN=2.14
sdE=1793.6
fwE=2.23
20180526T022410.0001.fits
SecZ=1.12
Focus=-5.519
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.401 -5.169 -3.988
T123=8.3 9.0 10.2
ALT/AZ=63.2 -83.5
fwAVG=1.99
sdW=577.1
fwW=1.80
sdS=2019.7
fwS=1.99
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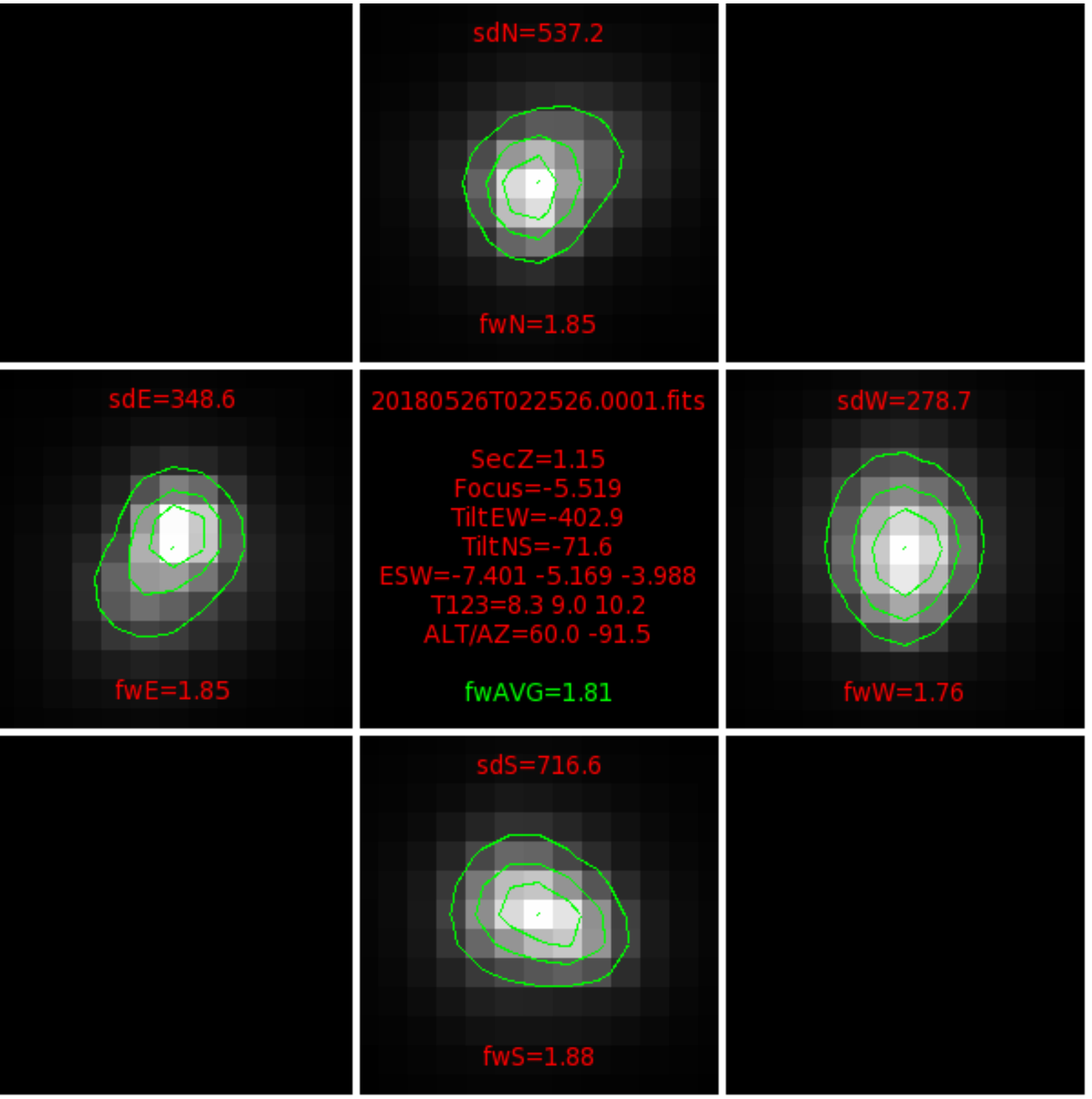
sdN=537.2
fwN=1.85
sdE=348.6
fwE=1.85
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SecZ=1.15
Focus=-5.519
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.401 -5.169 -3.988
T123=8.3 9.0 10.2
ALT/AZ=60.0 -91.5
fwAVG=1.81
sdW=278.7
fwW=1.76
sdS=716.6
fwS=1.88
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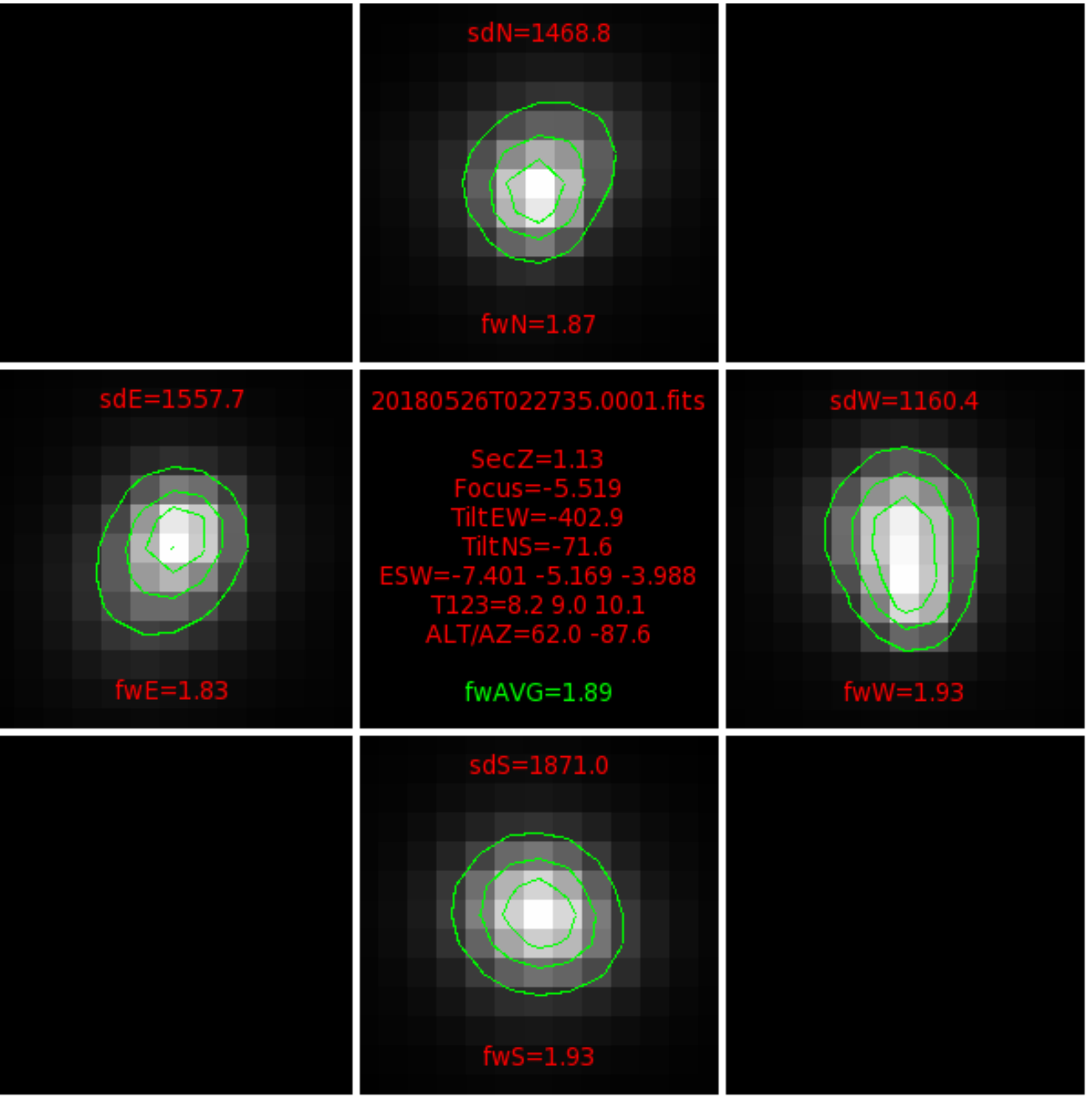
sdN=1468.8
fwN=1.87
sdE=1557.7
fwE=1.83
20180526T022735.0001.fits
SecZ=1.13
Focus=-5.519
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.401 -5.169 -3.988
T123=8.2 9.0 10.1
ALT/AZ=62.0 -87.6
fwAVG=1.89
sdW=1160.4
fwW=1.93
sdS=1871.0
fwS=1.93
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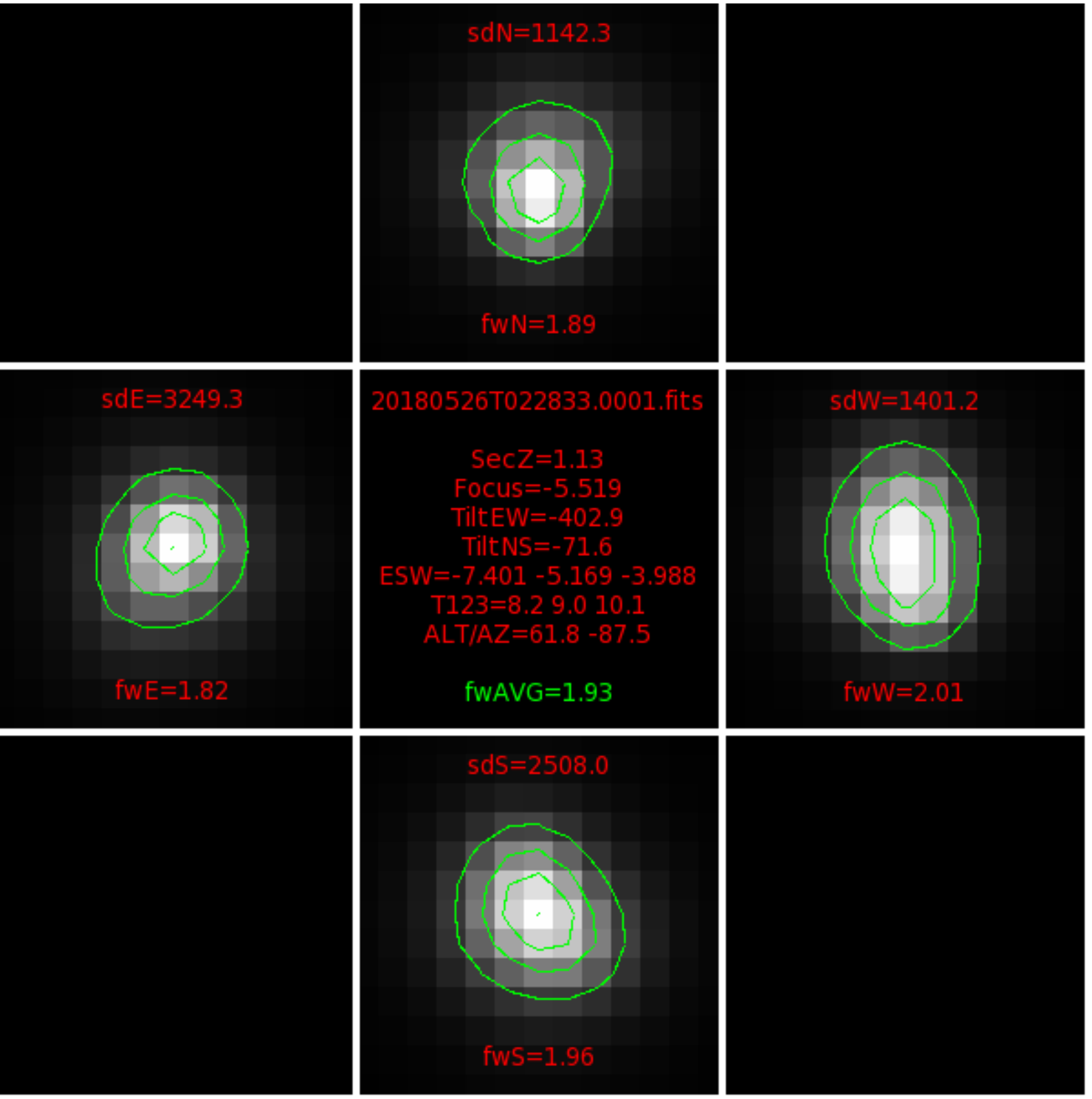
sdN=1142.3
fwN=1.89
sdE=3249.3
fwE=1.82
20180526T022833.0001.fits
SecZ=1.13
Focus=-5.519
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.401 -5.169 -3.988
T123=8.2 9.0 10.1
ALT/AZ=61.8 -87.5
fwAVG=1.93
sdW=1401.2
fwW=2.01
sdS=2508.0
fwS=1.96
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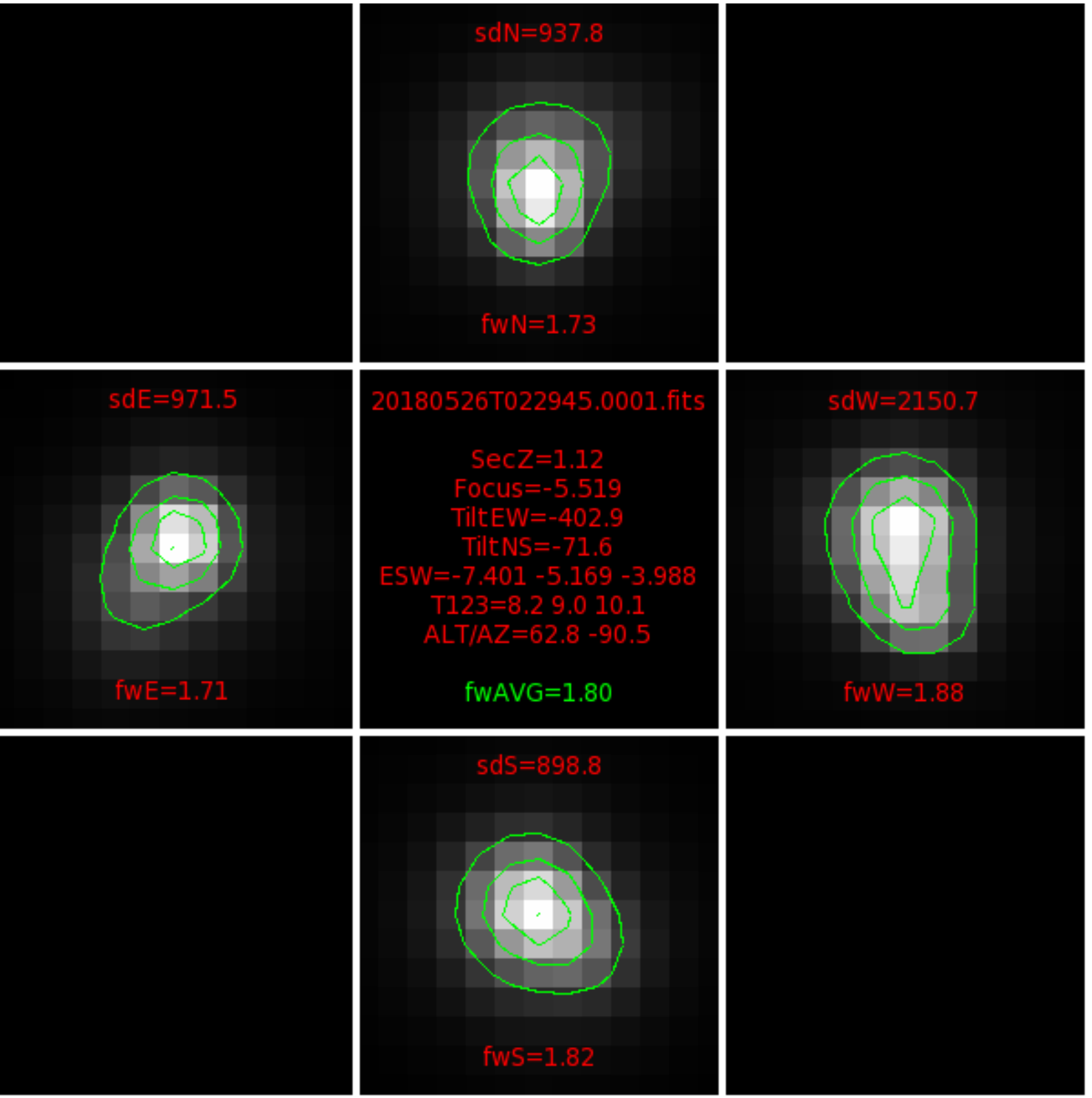
sdN=937.8
fwN=1.73
sdE=971.5
fwE=1.71
20180526T022945.0001.fits
SecZ=1.12
Focus=-5.519
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.401 -5.169 -3.988
T123=8.2 9.0 10.1
ALT/AZ=62.8 -90.5
fwAVG=1.80
sdW=2150.7
fwW=1.88
sdS=898.8
fwS=1.82
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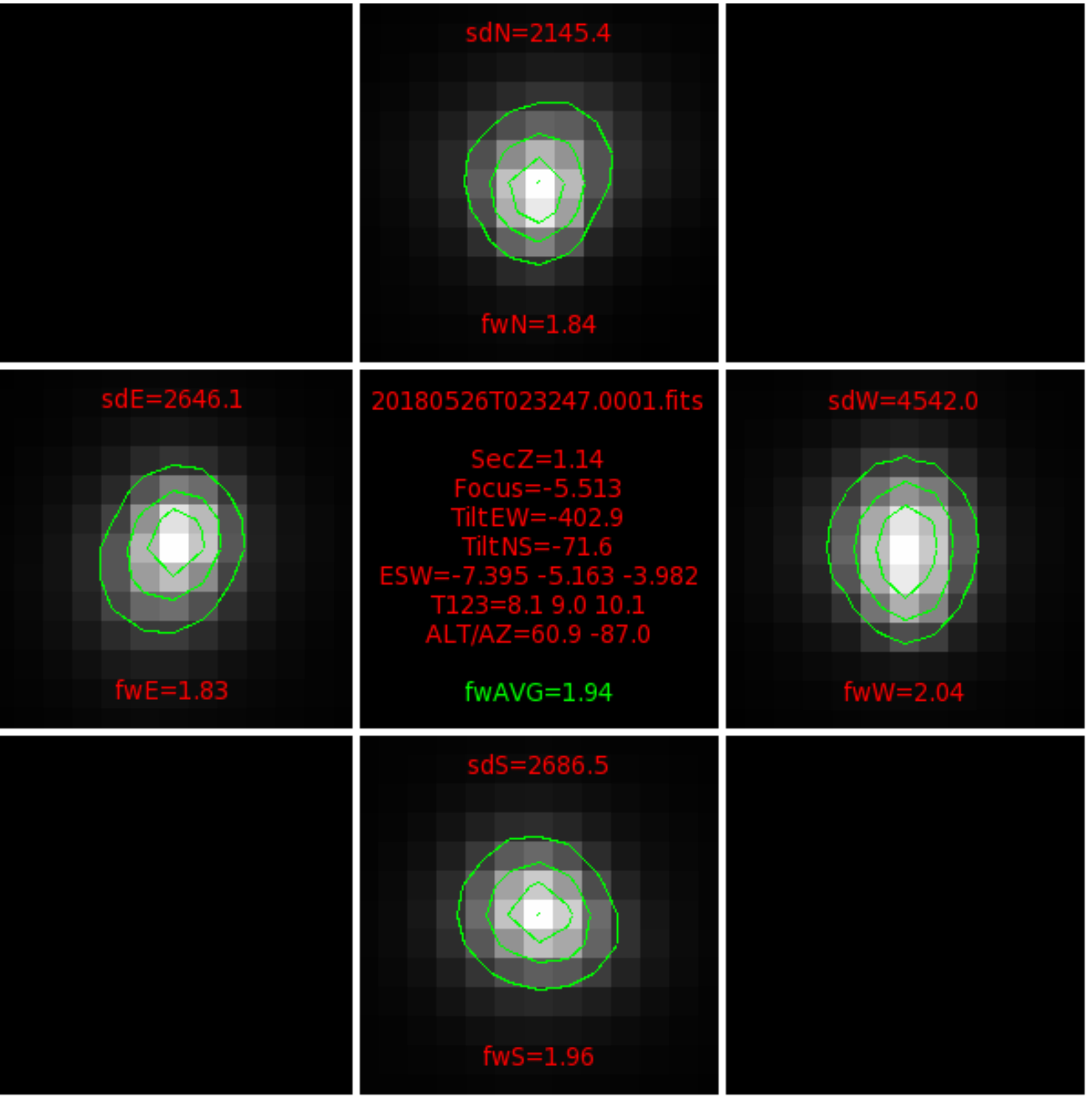
sdN=2145.4
fwN=1.84
sdE=2646.1
fwE=1.83
20180526T023247.0001.fits
SecZ=1.14
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 9.0 10.1
ALT/AZ=60.9 -87.0
fwAVG=1.94
sdW=4542.0
fwW=2.04
sdS=2686.5
fwS=1.96
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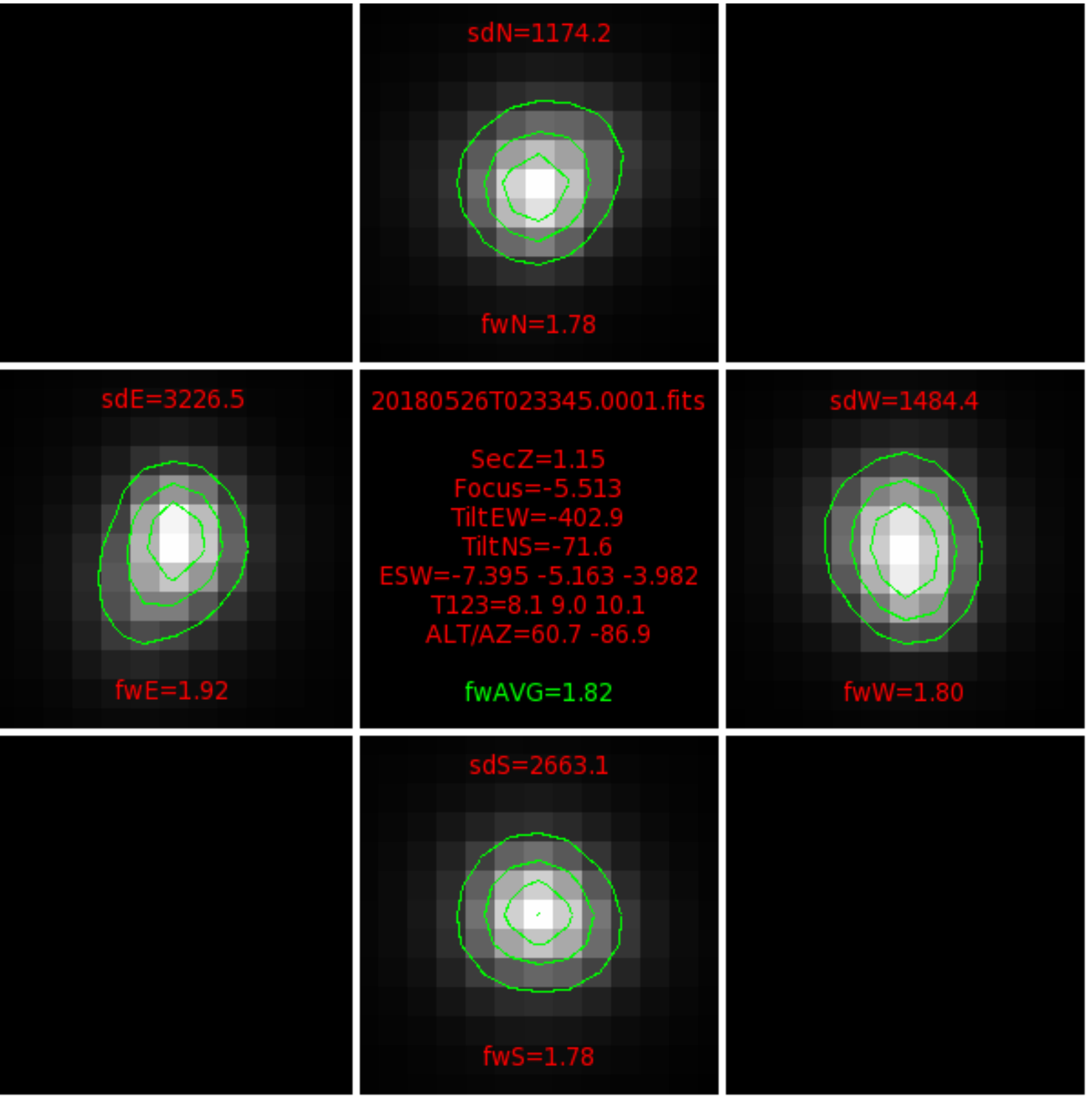
sdN=1174.2
fwN=1.78
sdE=3226.5
fwE=1.92
20180526T023345.0001.fits
SecZ=1.15
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 9.0 10.1
ALT/AZ=60.7 -86.9
fwAVG=1.82
sdW=1484.4
fwW=1.80
sdS=2663.1
fwS=1.78
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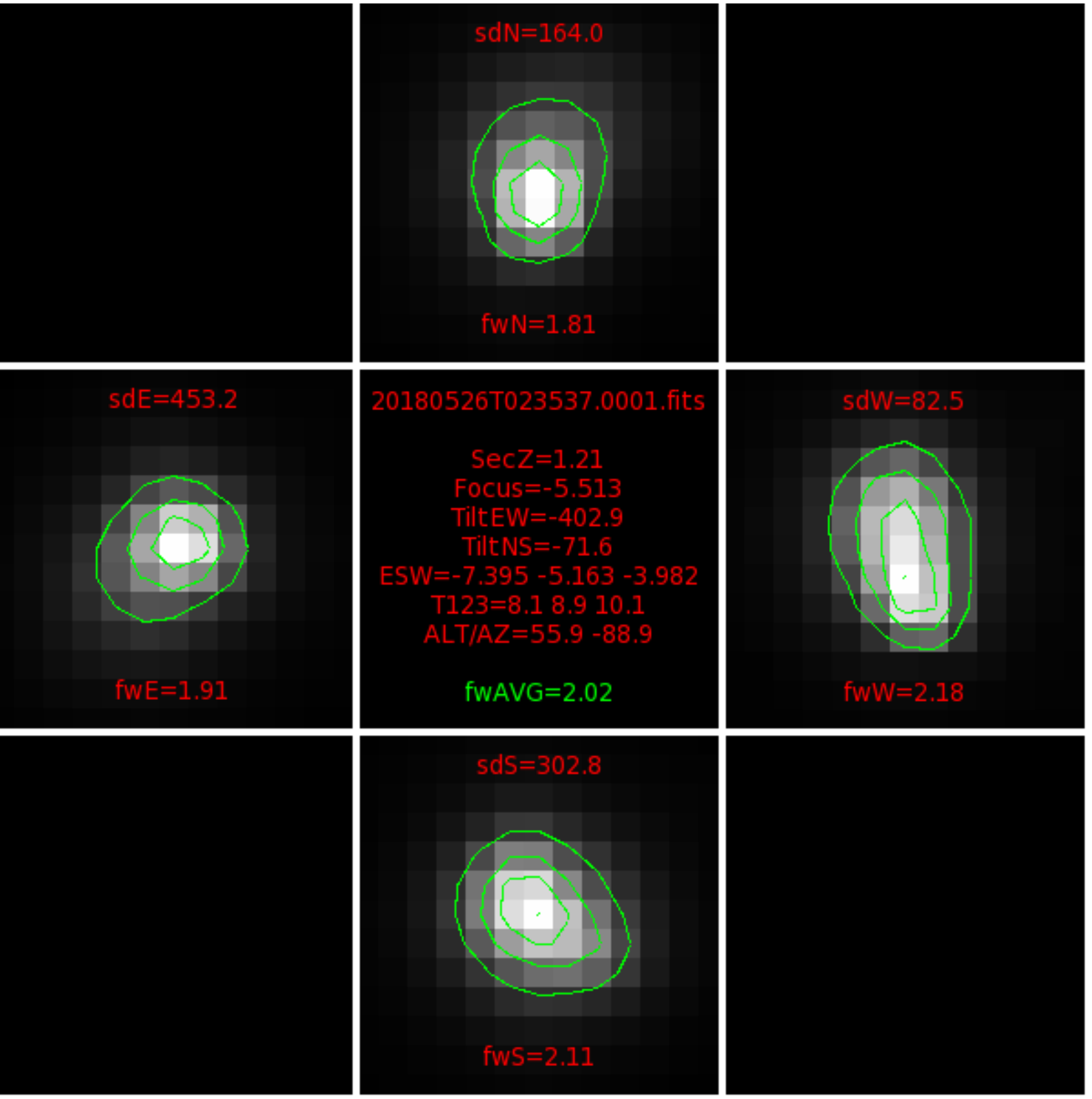
sdN=164.0
fwN=1.81
sdE=453.2
fwE=1.91
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SecZ=1.21
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 8.9 10.1
ALT/AZ=55.9 -88.9
fwAVG=2.02
sdW=82.5
fwW=2.18
sdS=302.8
fwS=2.11
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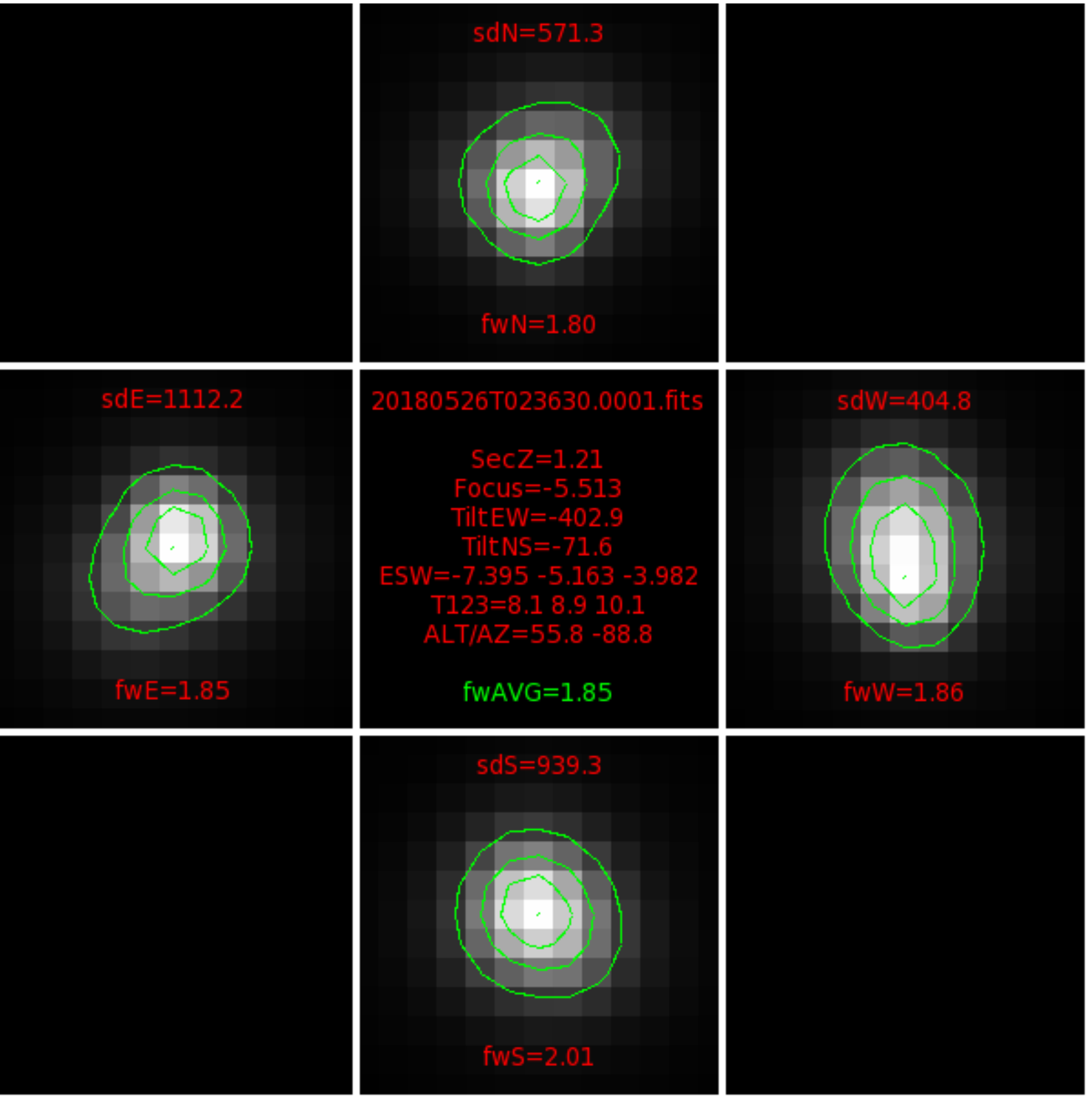
sdN=571.3
fwN=1.80
sdE=1112.2
fwE=1.85
20180526T023630.0001.fits
SecZ=1.21
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 8.9 10.1
ALT/AZ=55.8 -88.8
fwAVG=1.85
sdW=404.8
fwW=1.86
sdS=939.3
fwS=2.01
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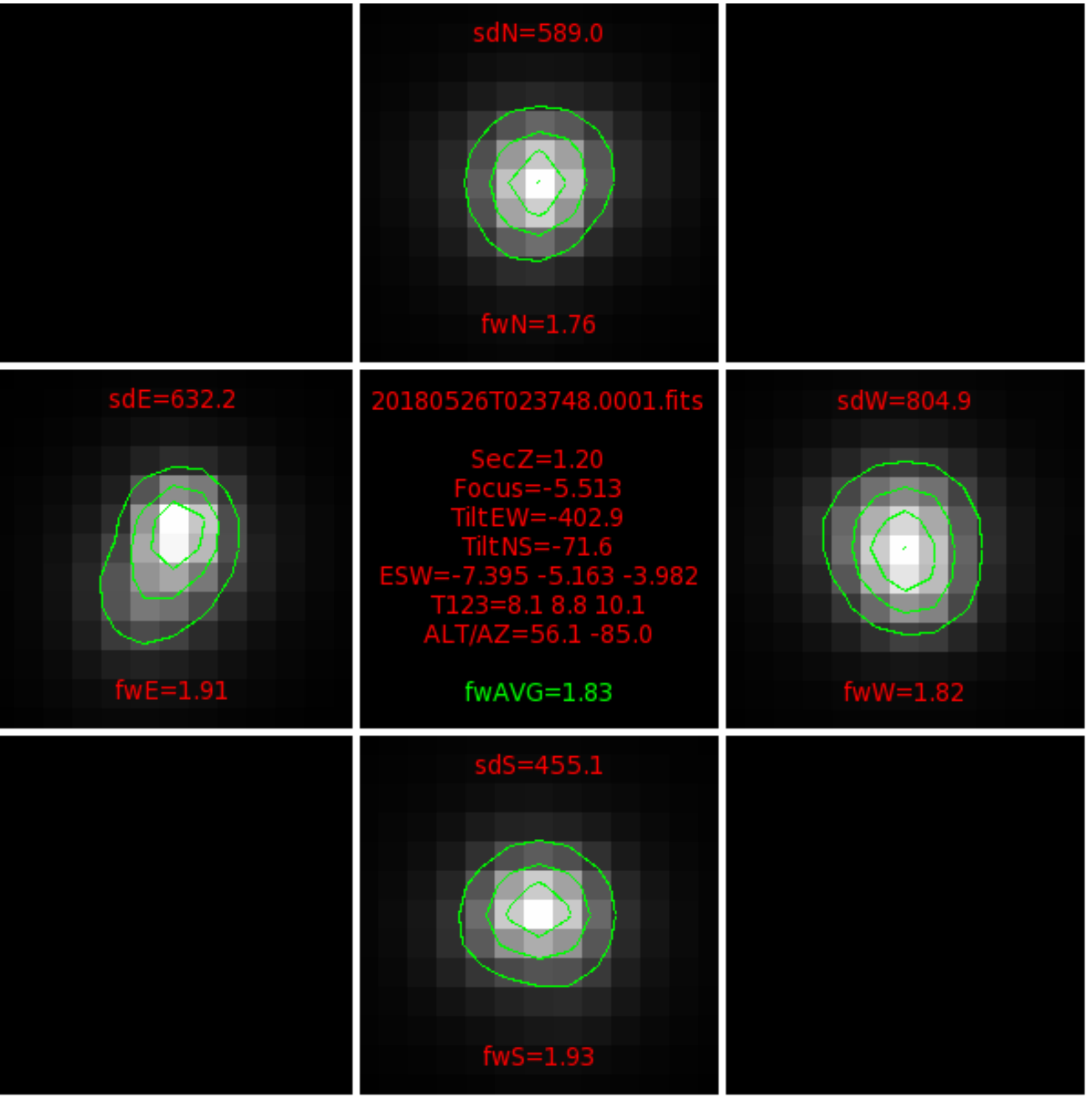
sdN=589.0
fwN=1.76
sdE=632.2
fwE=1.91
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SecZ=1.20
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 8.8 10.1
ALT/AZ=56.1 -85.0
fwAVG=1.83
sdW=804.9
fwW=1.82
sdS=455.1
fwS=1.93
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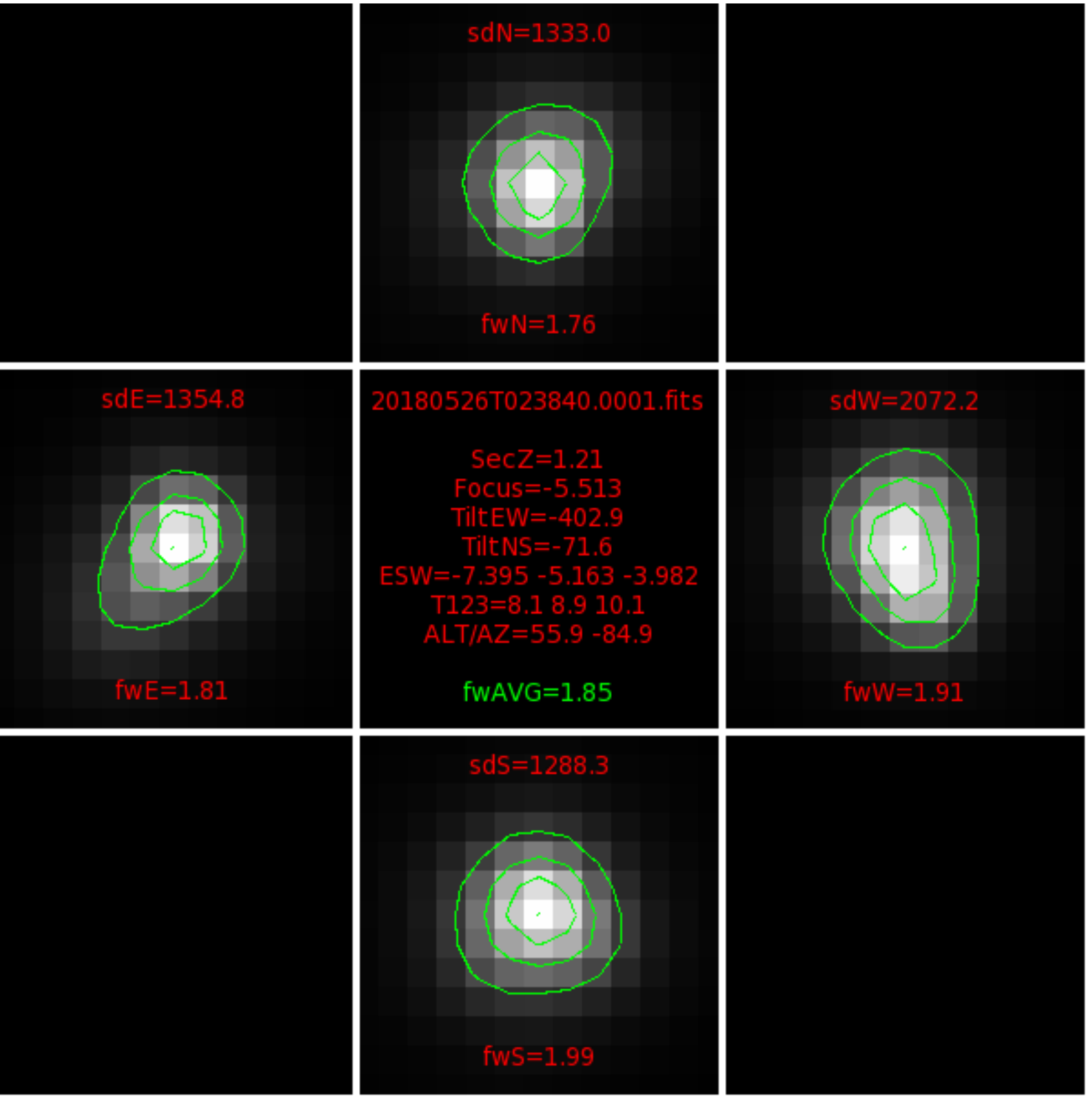
sdN=1333.0
fwN=1.76
sdE=1354.8
fwE=1.81
20180526T023840.0001.fits
SecZ=1.21
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 8.9 10.1
ALT/AZ=55.9 -84.9
fwAVG=1.85
sdW=2072.2
fwW=1.91
sdS=1288.3
fwS=1.99
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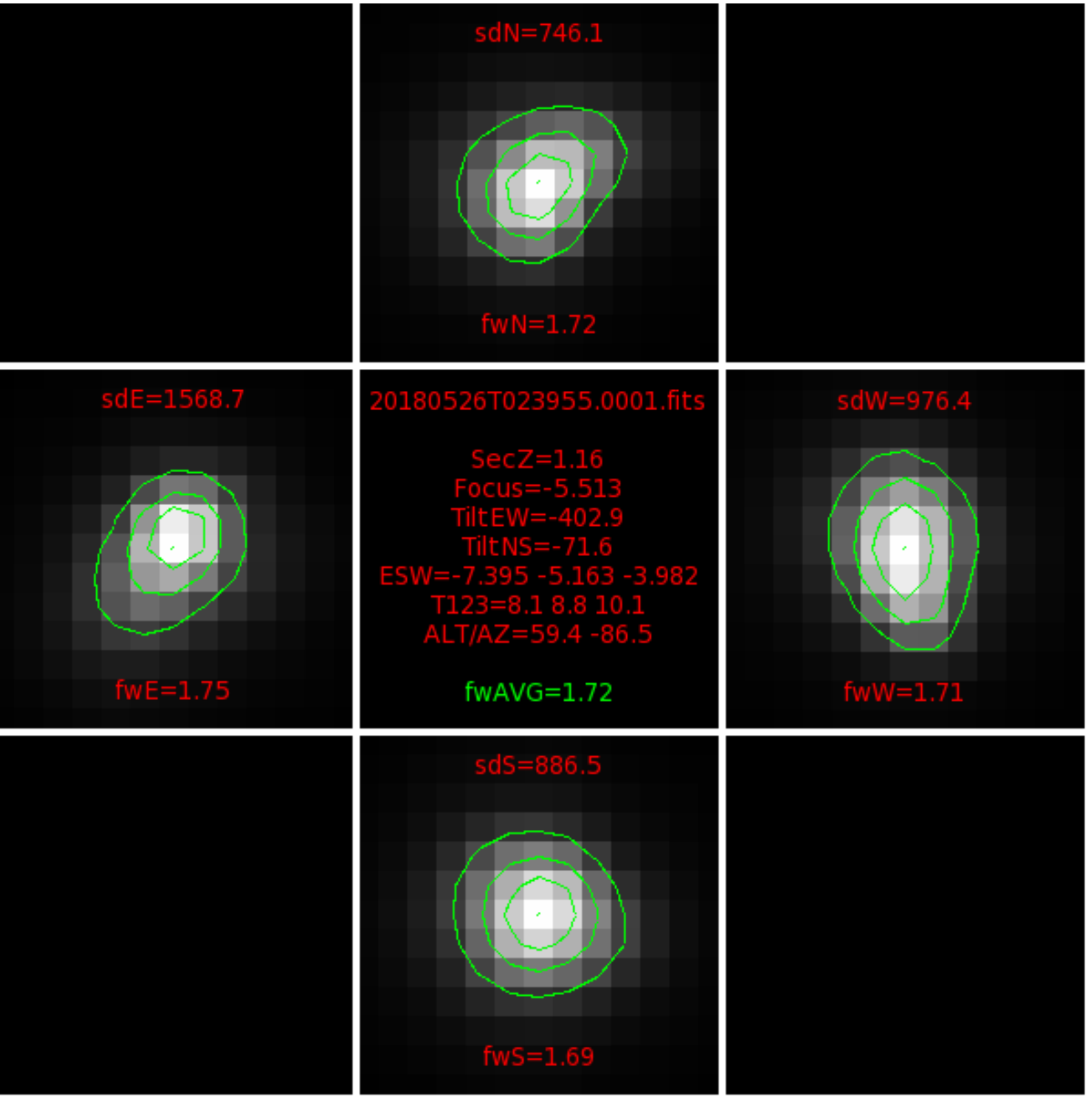
sdN=746.1
fwN=1.72
sdE=1568.7
fwE=1.75
20180526T023955.0001.fits
SecZ=1.16
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 8.8 10.1
ALT/AZ=59.4 -86.5
fwAVG=1.72
sdW=976.4
fwW=1.71
sdS=886.5
fwS=1.69
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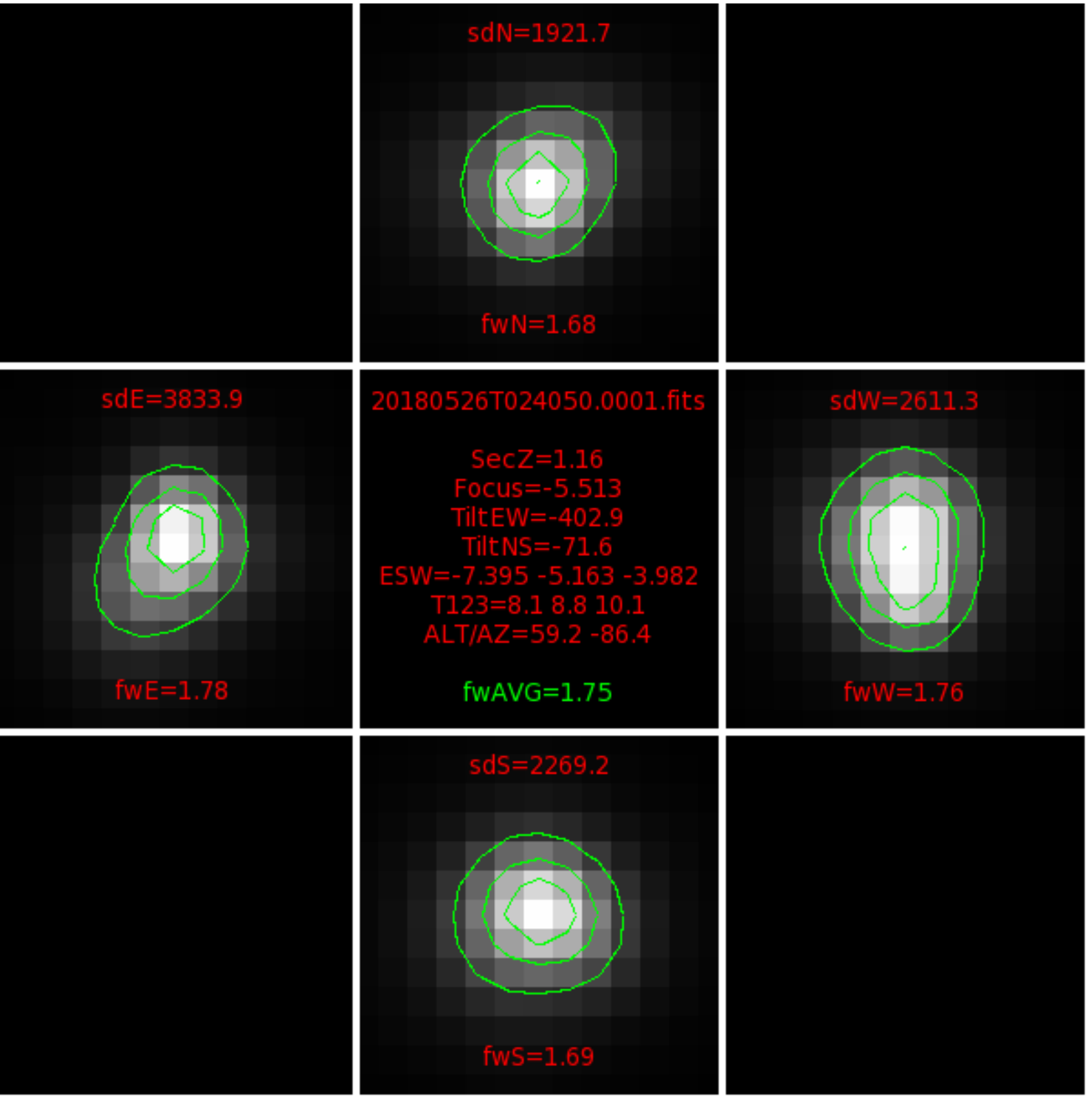
sdN=1921.7
fwN=1.68
sdE=3833.9
fwE=1.78
20180526T024050.0001.fits
SecZ=1.16
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 8.8 10.1
ALT/AZ=59.2 -86.4
fwAVG=1.75
sdW=2611.3
fwW=1.76
sdS=2269.2
fwS=1.69
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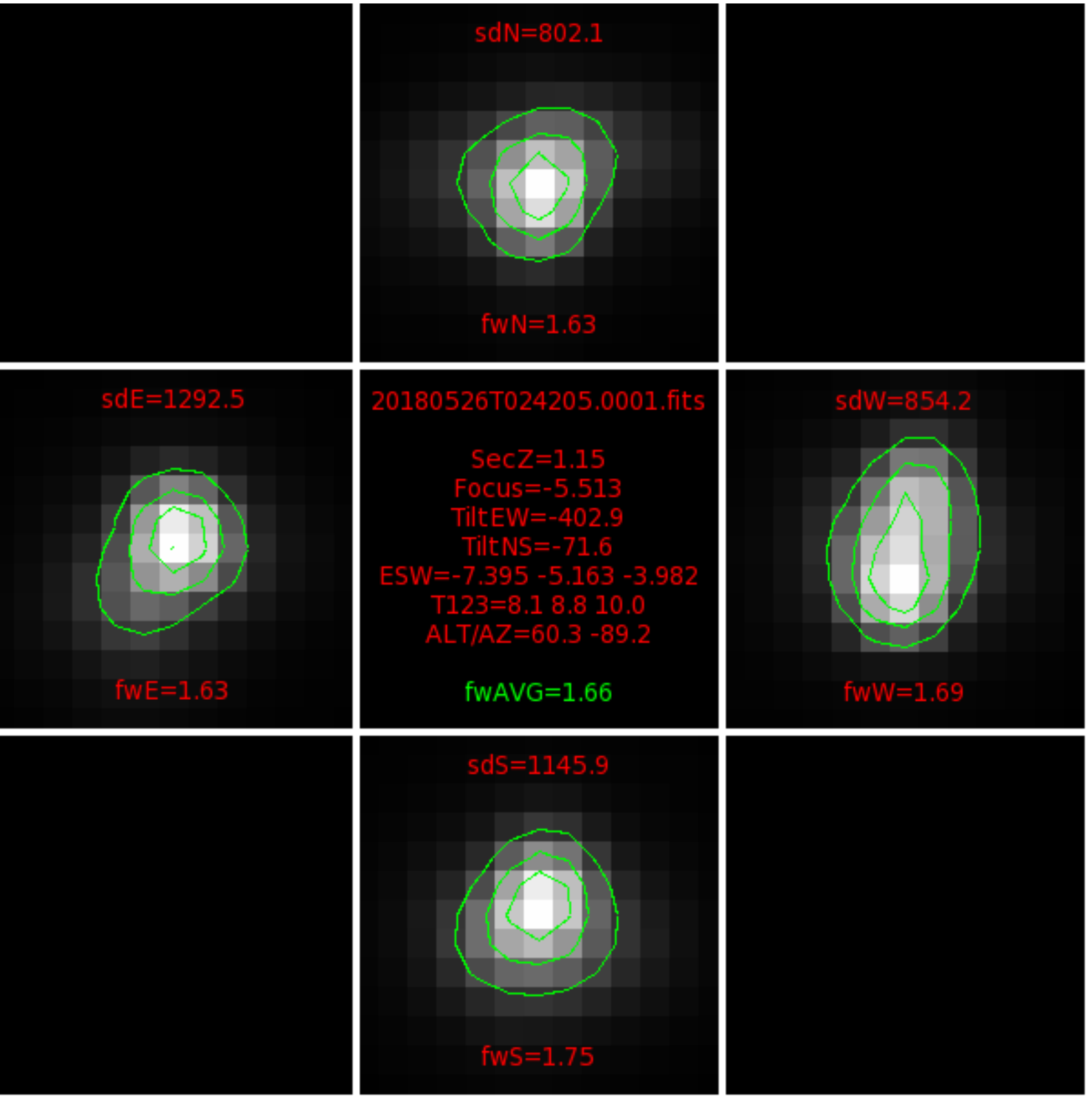
sdN=802.1
fwN=1.63
sdE=1292.5
fwE=1.63
20180526T024205.0001.fits
SecZ=1.15
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 8.8 10.0
ALT/AZ=60.3 -89.2
fwAVG=1.66
sdW=854.2
fwW=1.69
sdS=1145.9
fwS=1.75
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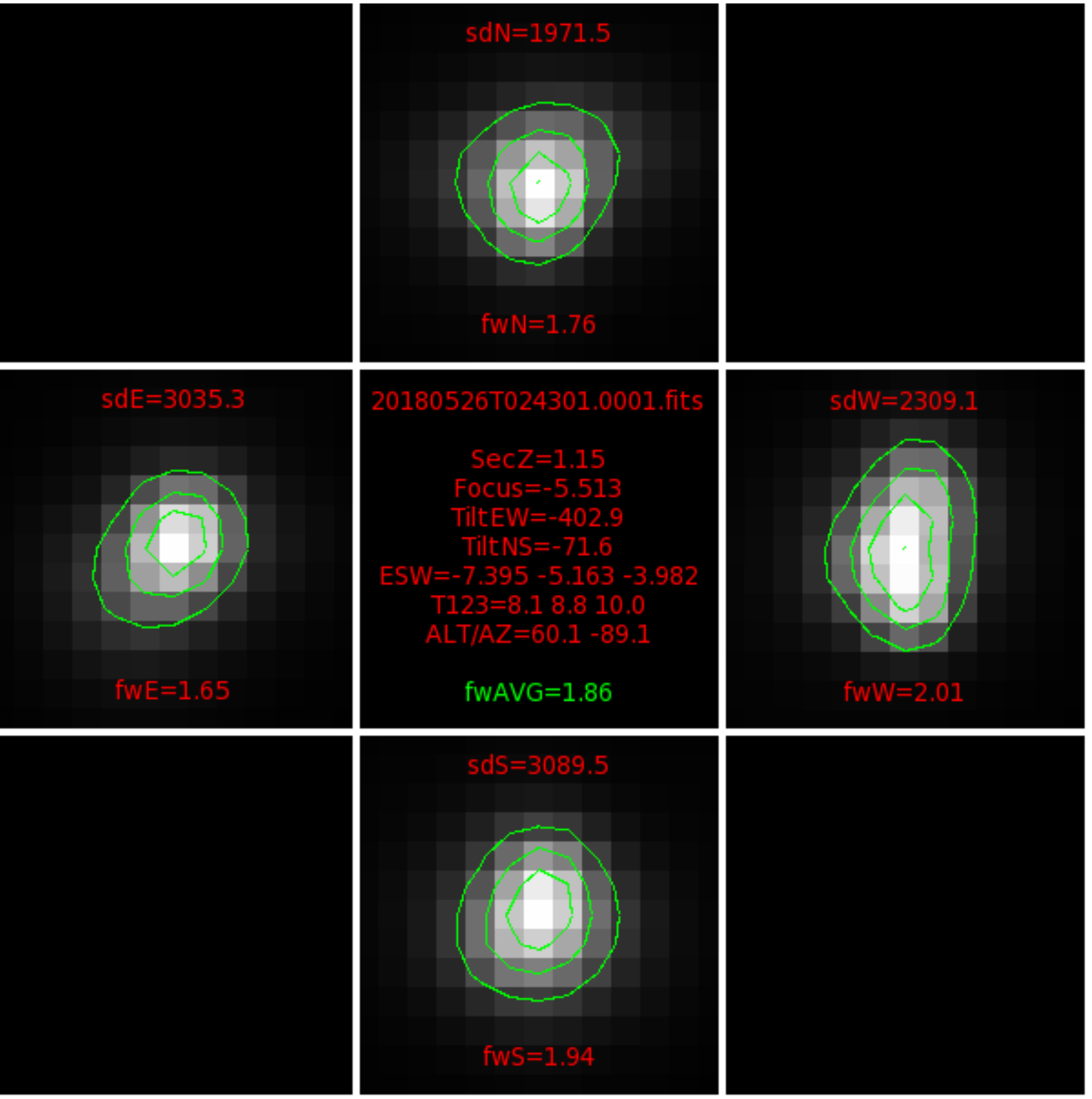
sdN=1971.5
fwN=1.76
sdE=3035.3
fwE=1.65
20180526T024301.0001.fits
SecZ=1.15
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.1 8.8 10.0
ALT/AZ=60.1 -89.1
fwAVG=1.86
sdW=2309.1
fwW=2.01
sdS=3089.5
fwS=1.94
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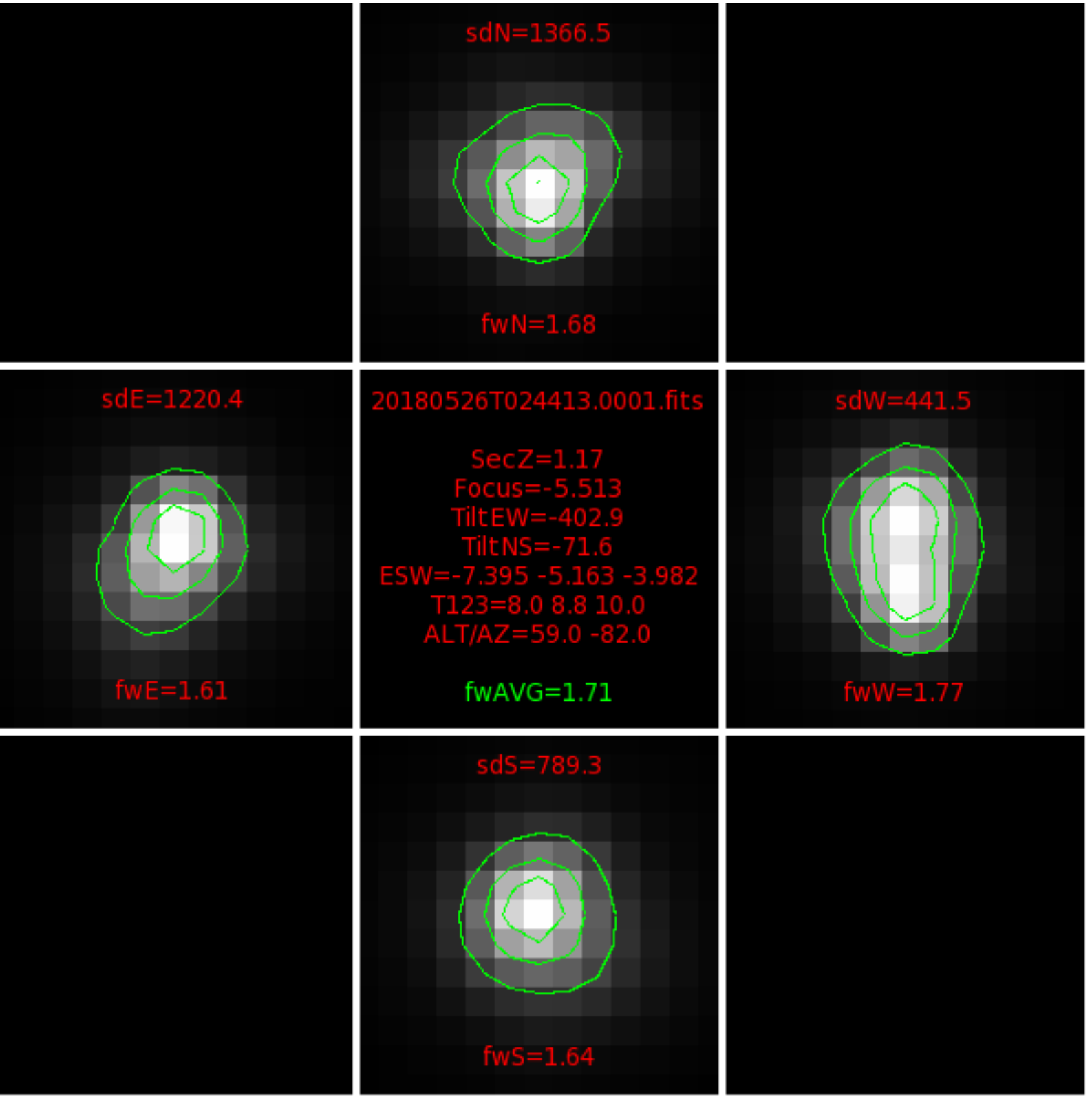
sdN=1366.5
fwN=1.68
sdE=1220.4
fwE=1.61
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SecZ=1.17
Focus=-5.513
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.395 -5.163 -3.982
T123=8.0 8.8 10.0
ALT/AZ=59.0 -82.0
fwAVG=1.71
sdW=441.5
fwW=1.77
sdS=789.3
fwS=1.64
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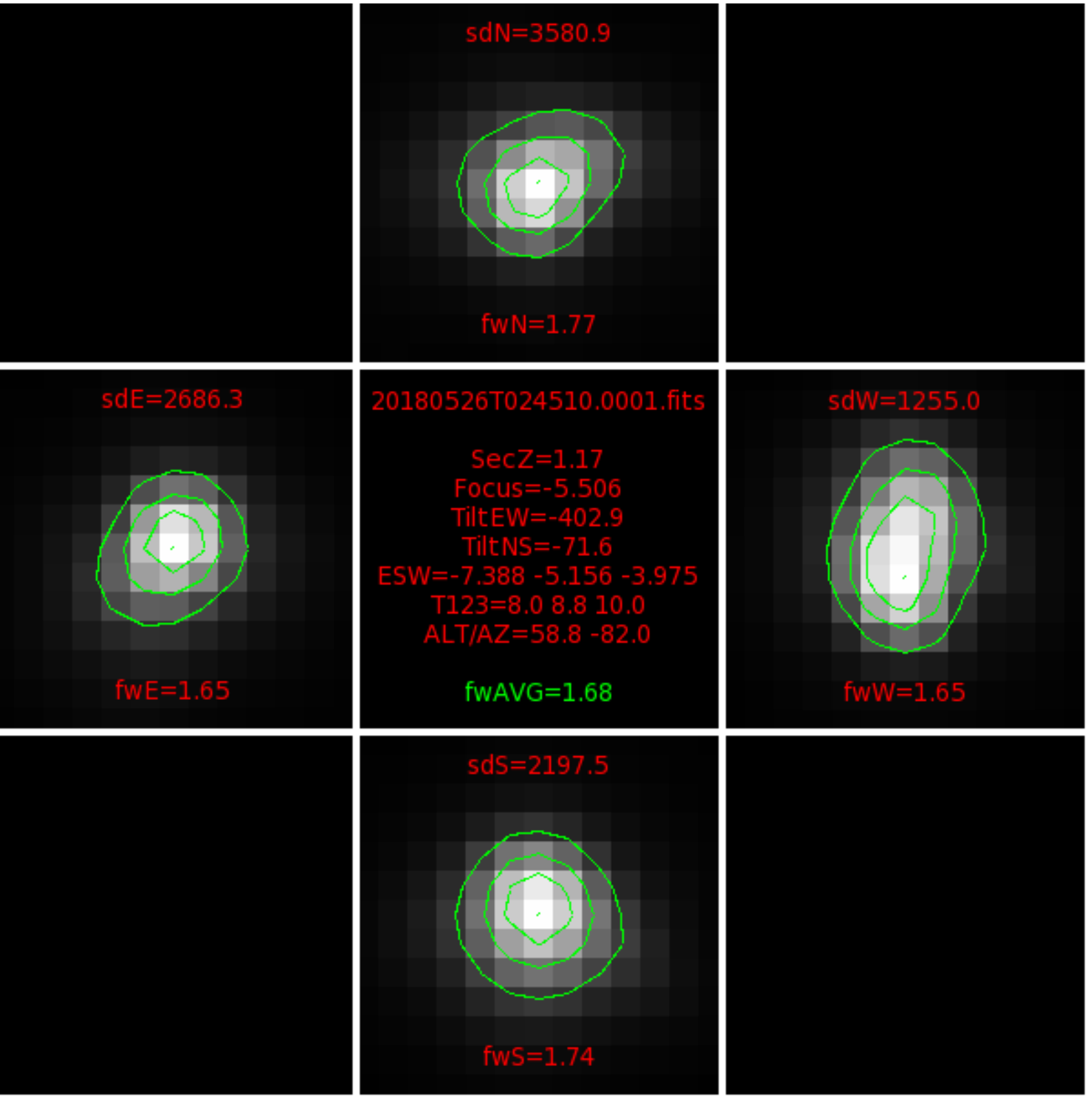
sdN=3580.9
fwN=1.77
sdE=2686.3
fwE=1.65
20180526T024510.0001.fits
SecZ=1.17
Focus=-5.506
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.388 -5.156 -3.975
T123=8.0 8.8 10.0
ALT/AZ=58.8 -82.0
fwAVG=1.68
sdW=1255.0
fwW=1.65
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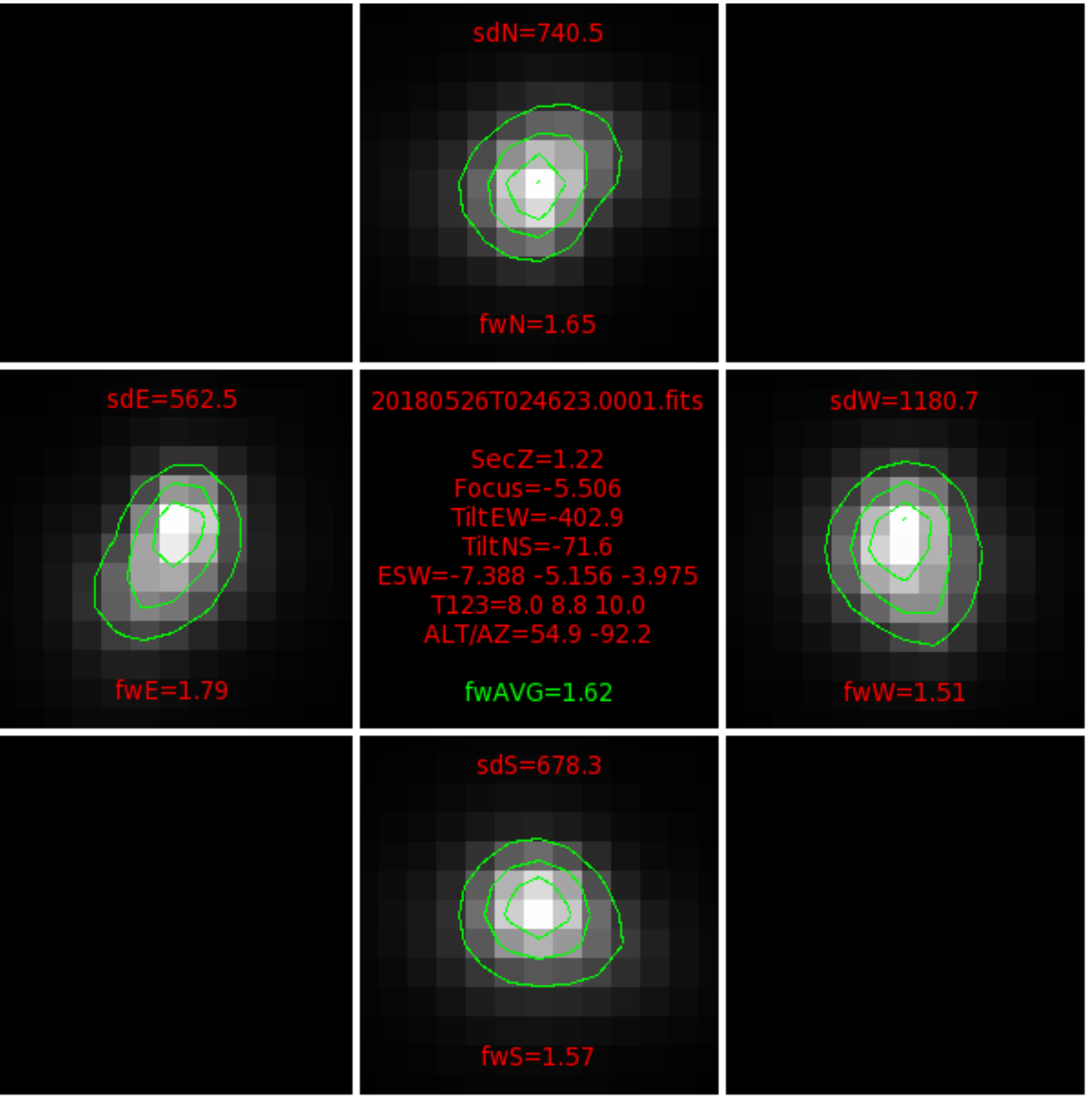
sdN=740.5
fwN=1.65
sdE=562.5
fwE=1.79
20180526T024623.0001.fits
SecZ=1.22
Focus=-5.506
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.388 -5.156 -3.975
T123=8.0 8.8 10.0
ALT/AZ=54.9 -92.2
fwAVG=1.62
sdW=1180.7
fwW=1.51
sdS=678.3
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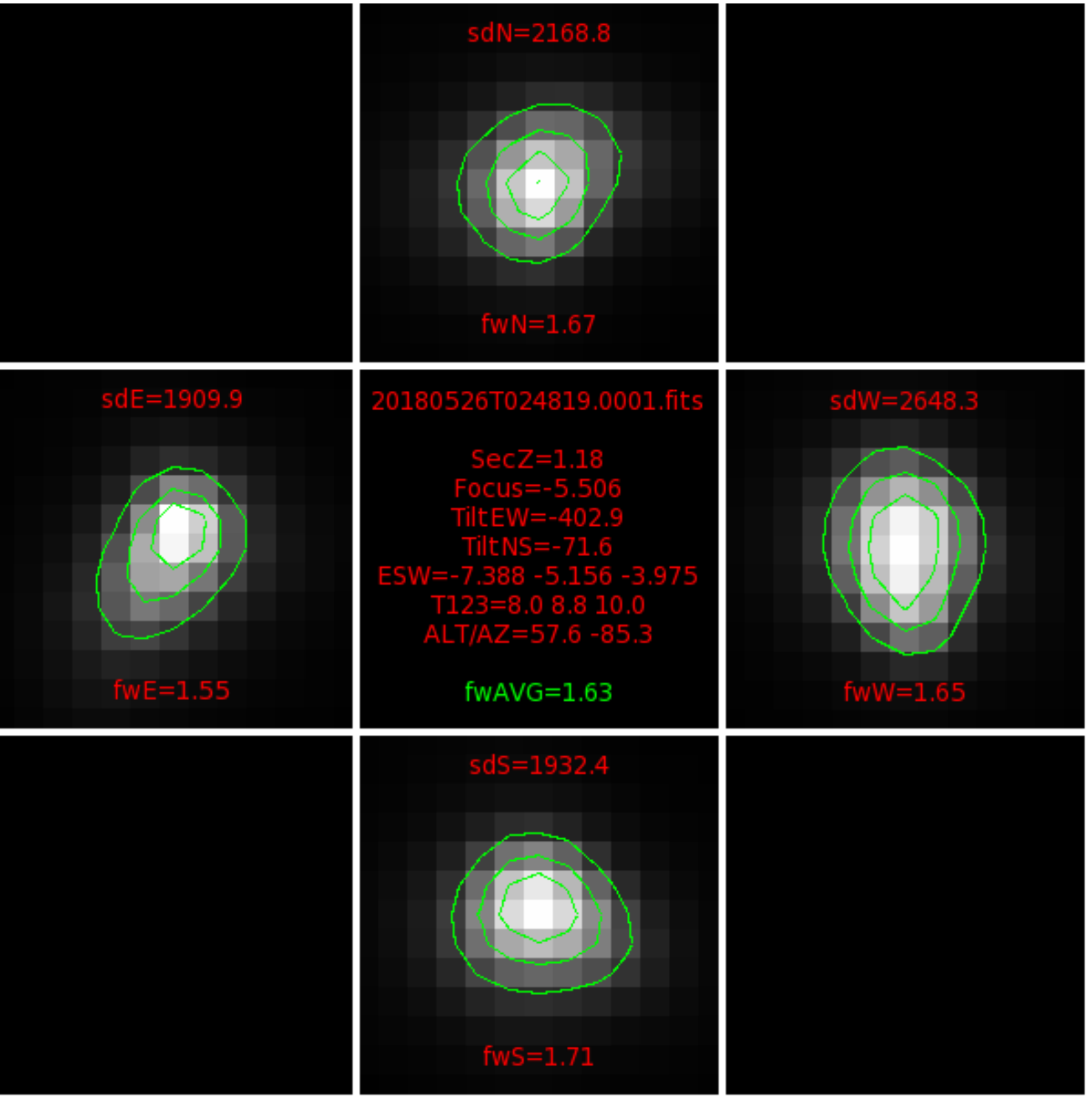
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fwN=1.67
sdE=1909.9
fwE=1.55
20180526T024819.0001.fits
SecZ=1.18
Focus=-5.506
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.388 -5.156 -3.975
T123=8.0 8.8 10.0
ALT/AZ=57.6 -85.3
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sdW=2648.3
fwW=1.65
sdS=1932.4
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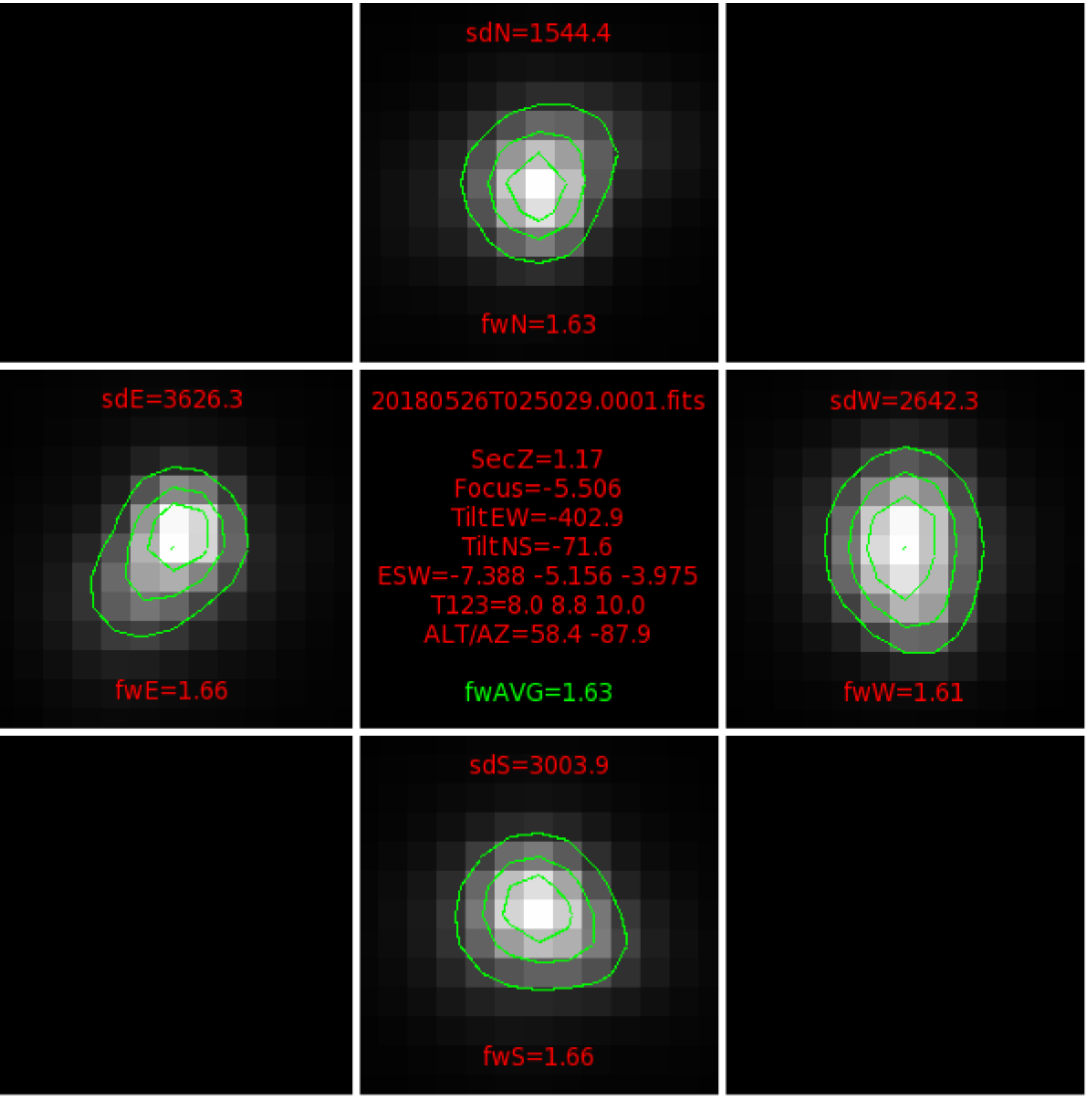
sdN=1544.4
fwN=1.63
sdE=3626.3
fwE=1.66
20180526T025029.0001.fits
SecZ=1.17
Focus=-5.506
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.388 -5.156 -3.975
T123=8.0 8.8 10.0
ALT/AZ=58.4 -87.9
fwAVG=1.63
sdW=2642.3
fwW=1.61
sdS=3003.9
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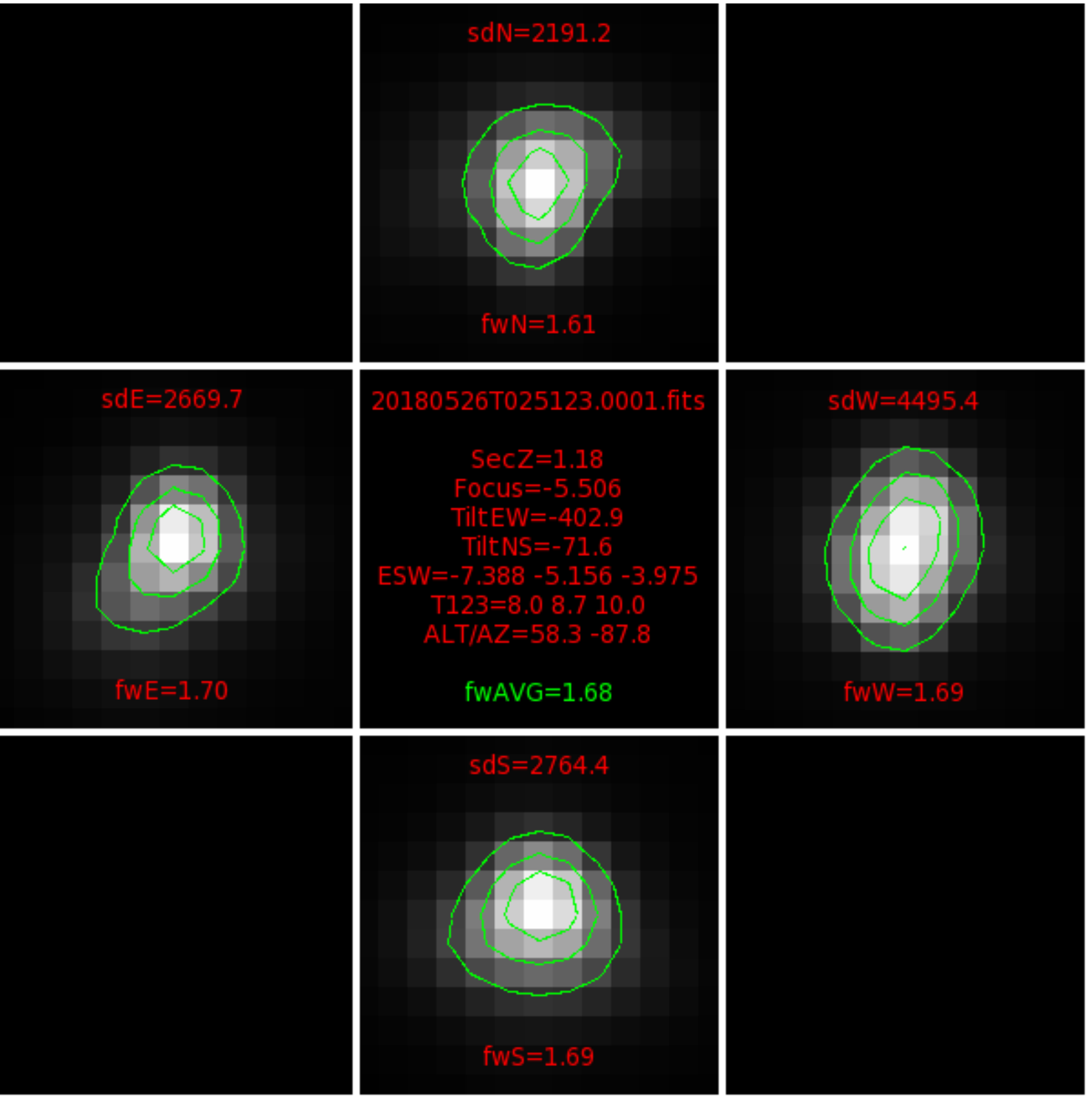
sdN=2191.2
fwN=1.61
sdE=2669.7
fwE=1.70
20180526T025123.0001.fits
SecZ=1.18
Focus=-5.506
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.388 -5.156 -3.975
T123=8.0 8.7 10.0
ALT/AZ=58.3 -87.8
fwAVG=1.68
sdW=4495.4
fwW=1.69
sdS=2764.4
fwS=1.69
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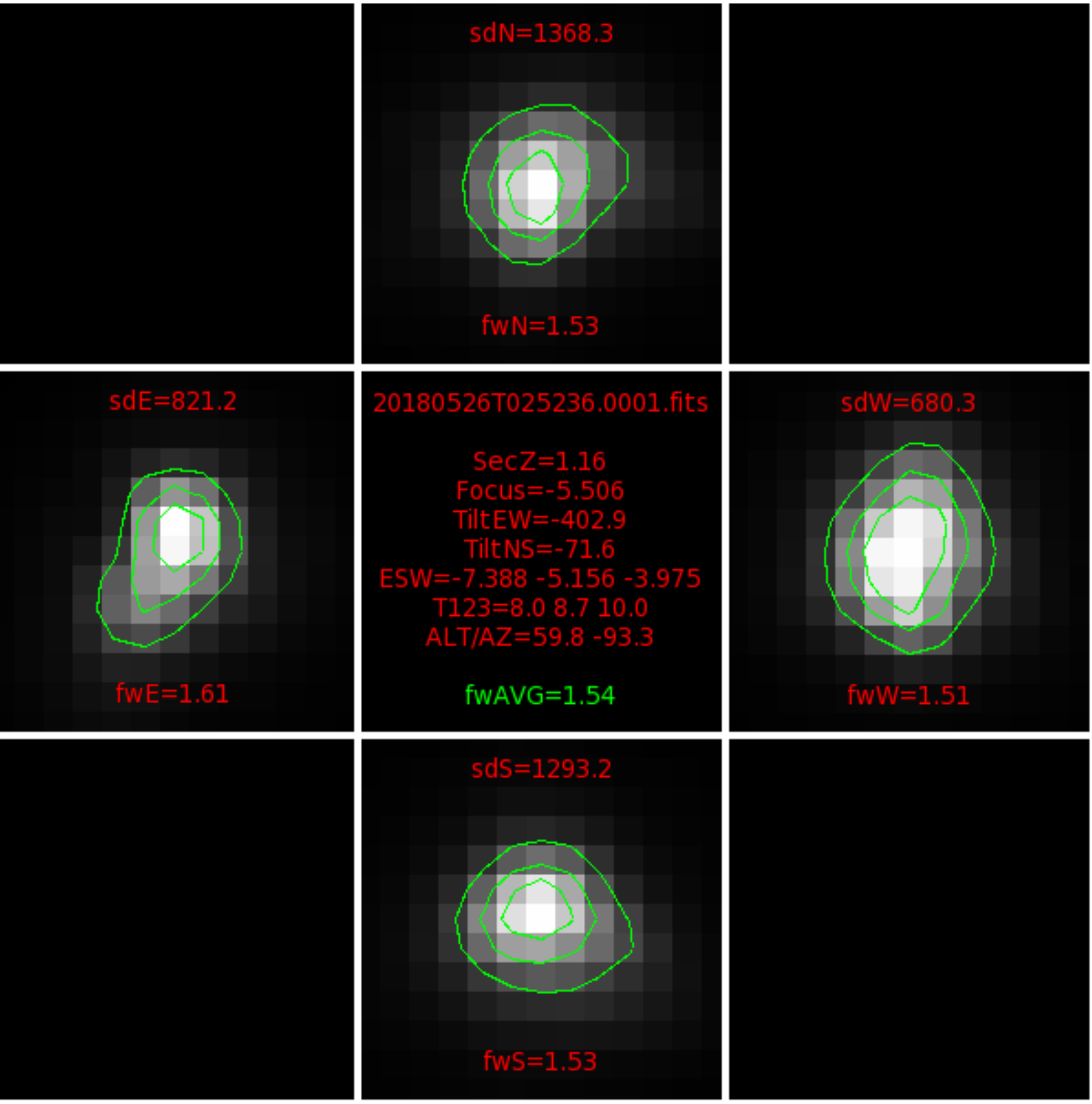
sdN=1368.3
fwN=1.53
sdE=821.2
fwE=1.61
20180526T025236.0001.fits
SecZ=1.16
Focus=-5.506
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.388 -5.156 -3.975
T123=8.0 8.7 10.0
ALT/AZ=59.8 -93.3
fwAVG=1.54
sdW=680.3
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sdS=1293.2
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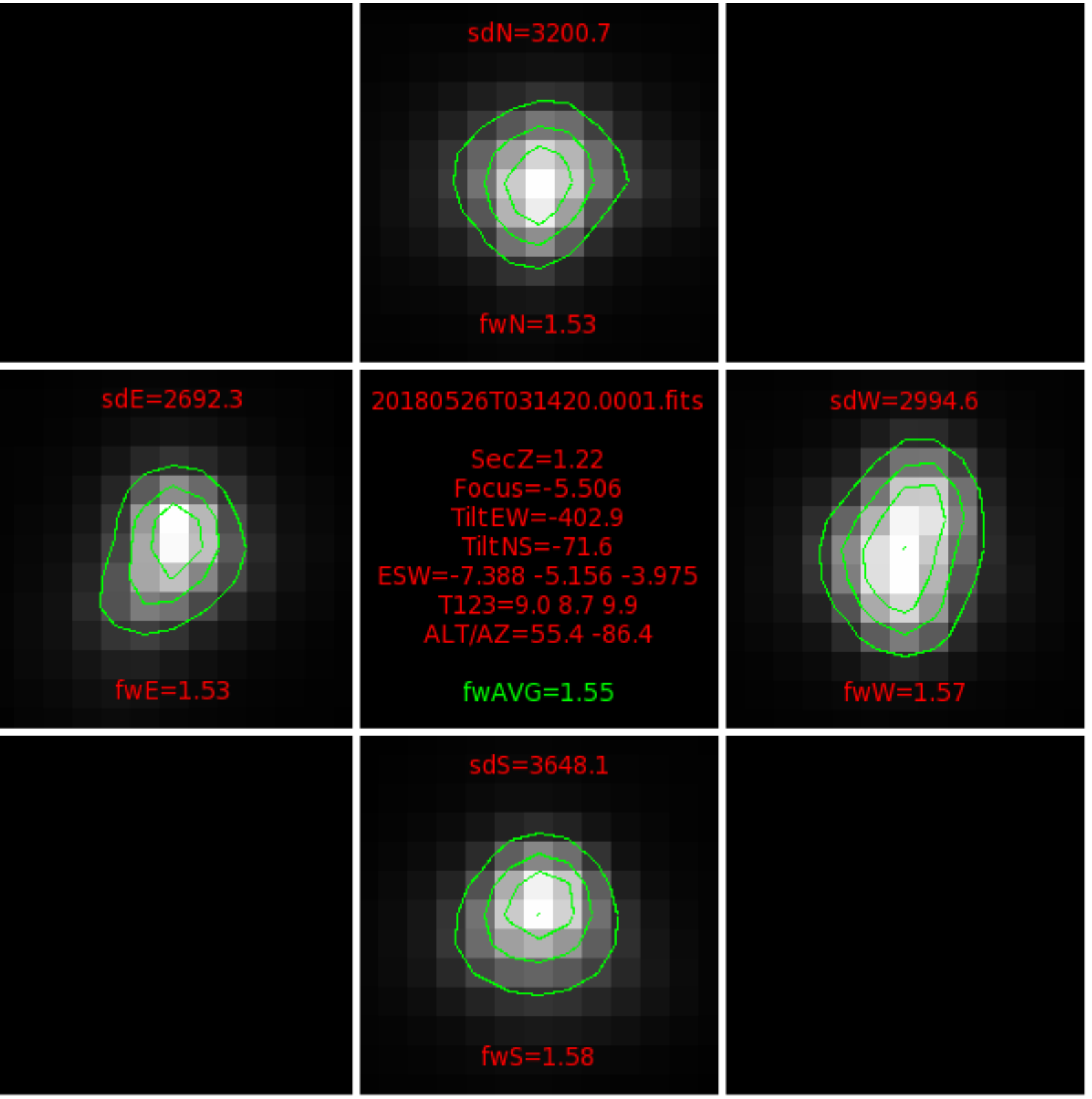
sdN=3200.7
fwN=1.53
sdE=2692.3
fwE=1.53
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SecZ=1.22
Focus=-5.506
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.388 -5.156 -3.975
T123=9.0 8.7 9.9
ALT/AZ=55.4 -86.4
fwAVG=1.55
sdW=2994.6
fwW=1.57
sdS=3648.1
fwS=1.58
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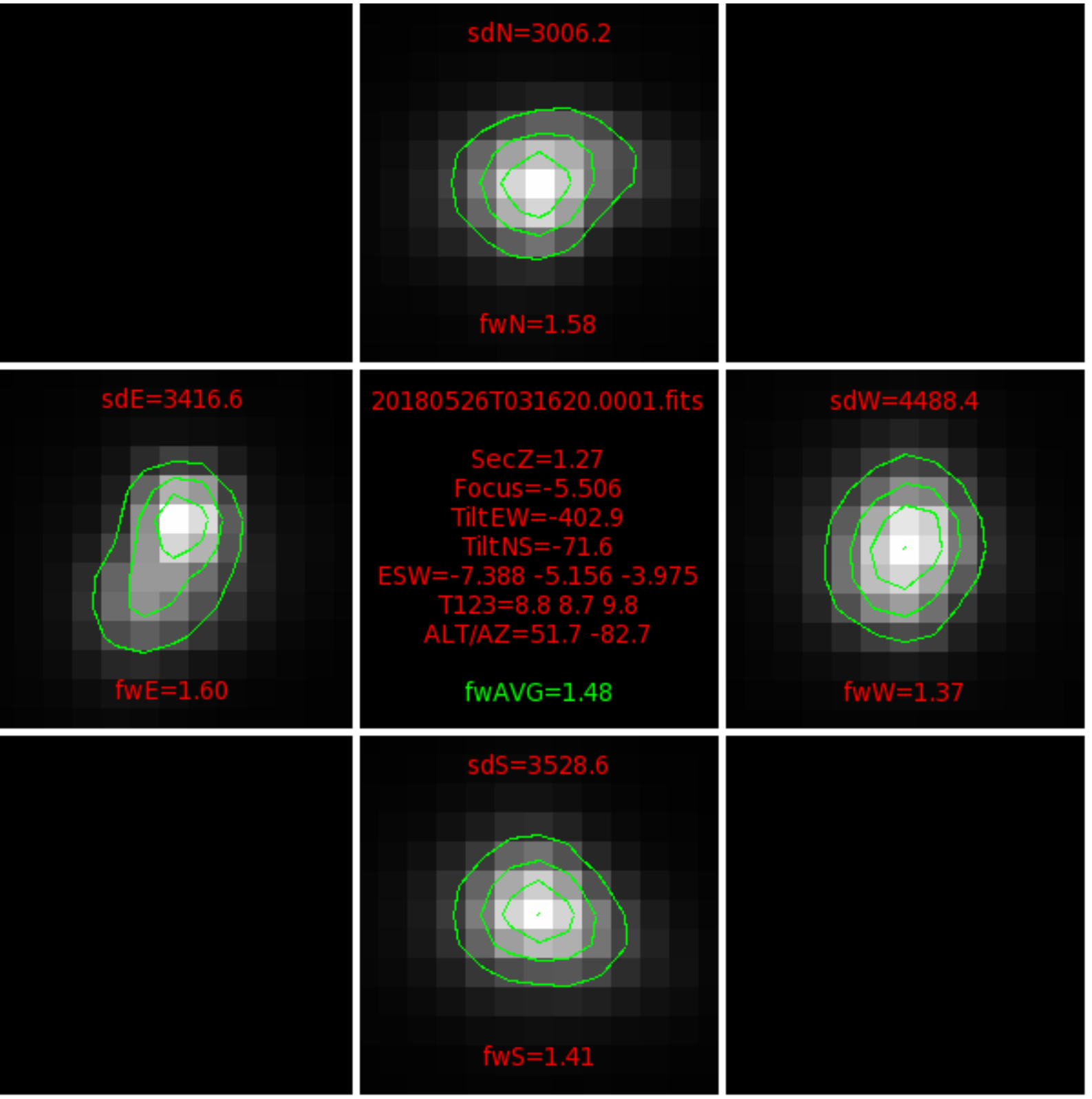
sdN=3006.2
fwN=1.58
sdE=3416.6
fwE=1.60
20180526T031620.0001.fits
SecZ=1.27
Focus=-5.506
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.388 -5.156 -3.975
T123=8.8 8.7 9.8
ALT/AZ=51.7 -82.7
fwAVG=1.48
sdW=4488.4
fwW=1.37
sdS=3528.6
fwS=1.41
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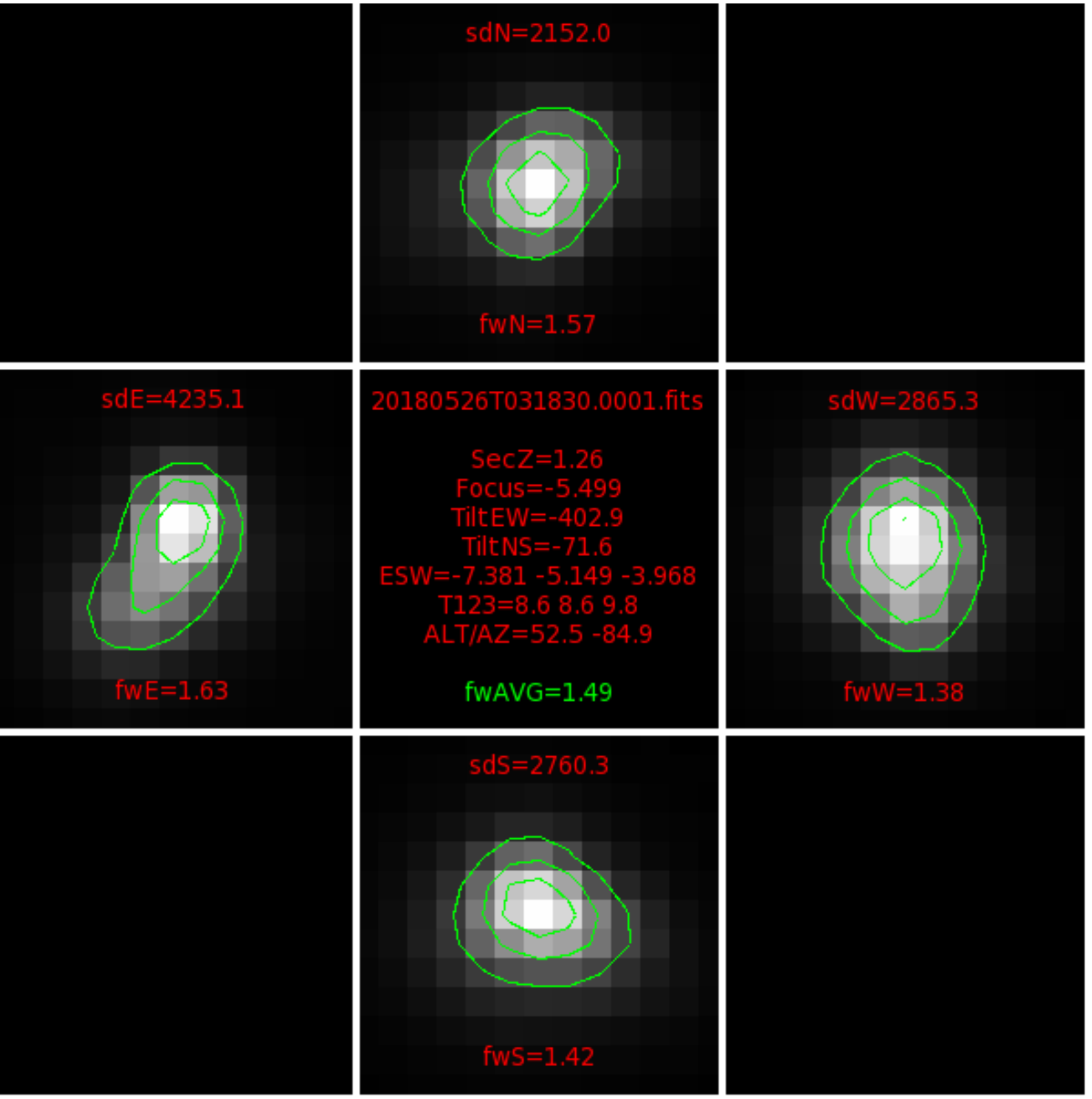
sdN=2152.0
fwN=1.57
sdE=4235.1
fwE=1.63
20180526T031830.0001.fits
SecZ=1.26
Focus=-5.499
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.381 -5.149 -3.968
T123=8.6 8.6 9.8
ALT/AZ=52.5 -84.9
fwAVG=1.49
sdW=2865.3
fwW=1.38
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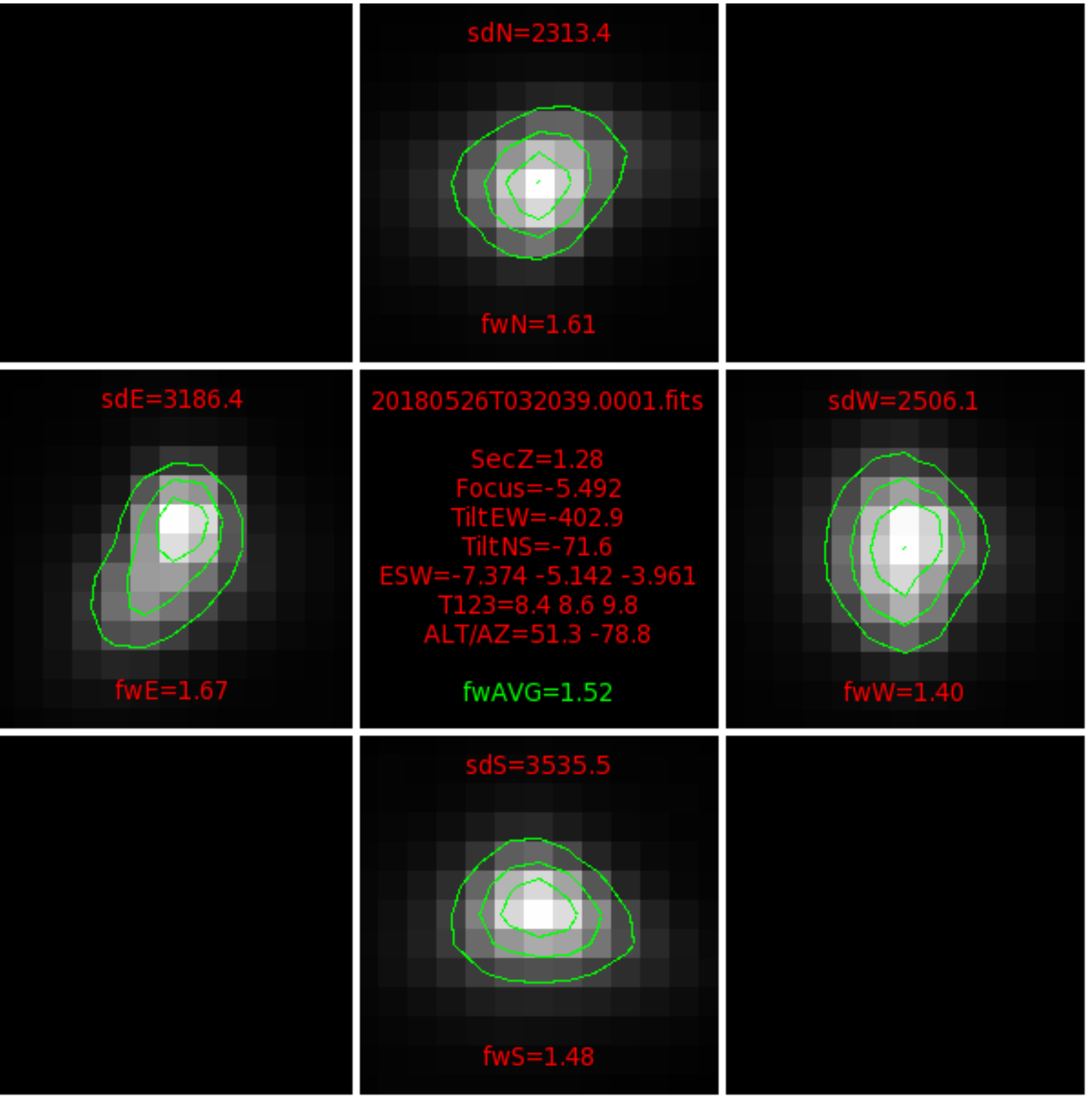
sdN=2313.4
fwN=1.61
sdE=3186.4
fwE=1.67
20180526T032039.0001.fits
SecZ=1.28
Focus=-5.492
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.374 -5.142 -3.961
T123=8.4 8.6 9.8
ALT/AZ=51.3 -78.8
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sdW=2506.1
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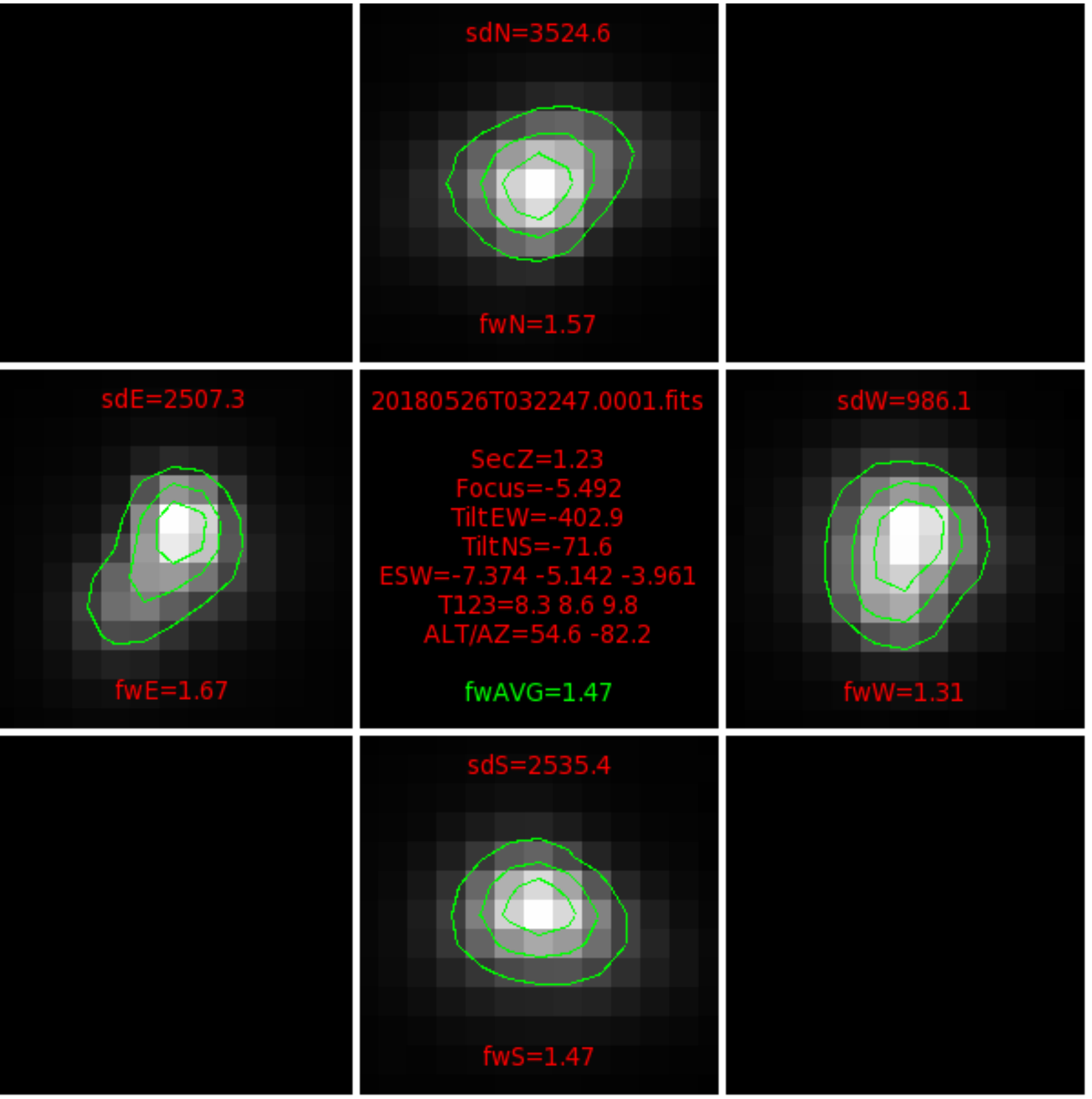
sdN=3524.6
fwN=1.57
sdE=2507.3
fwE=1.67
20180526T032247.0001.fits
SecZ=1.23
Focus=-5.492
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.374 -5.142 -3.961
T123=8.3 8.6 9.8
ALT/AZ=54.6 -82.2
fwAVG=1.47
sdW=986.1
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sdS=2535.4
fwS=1.47
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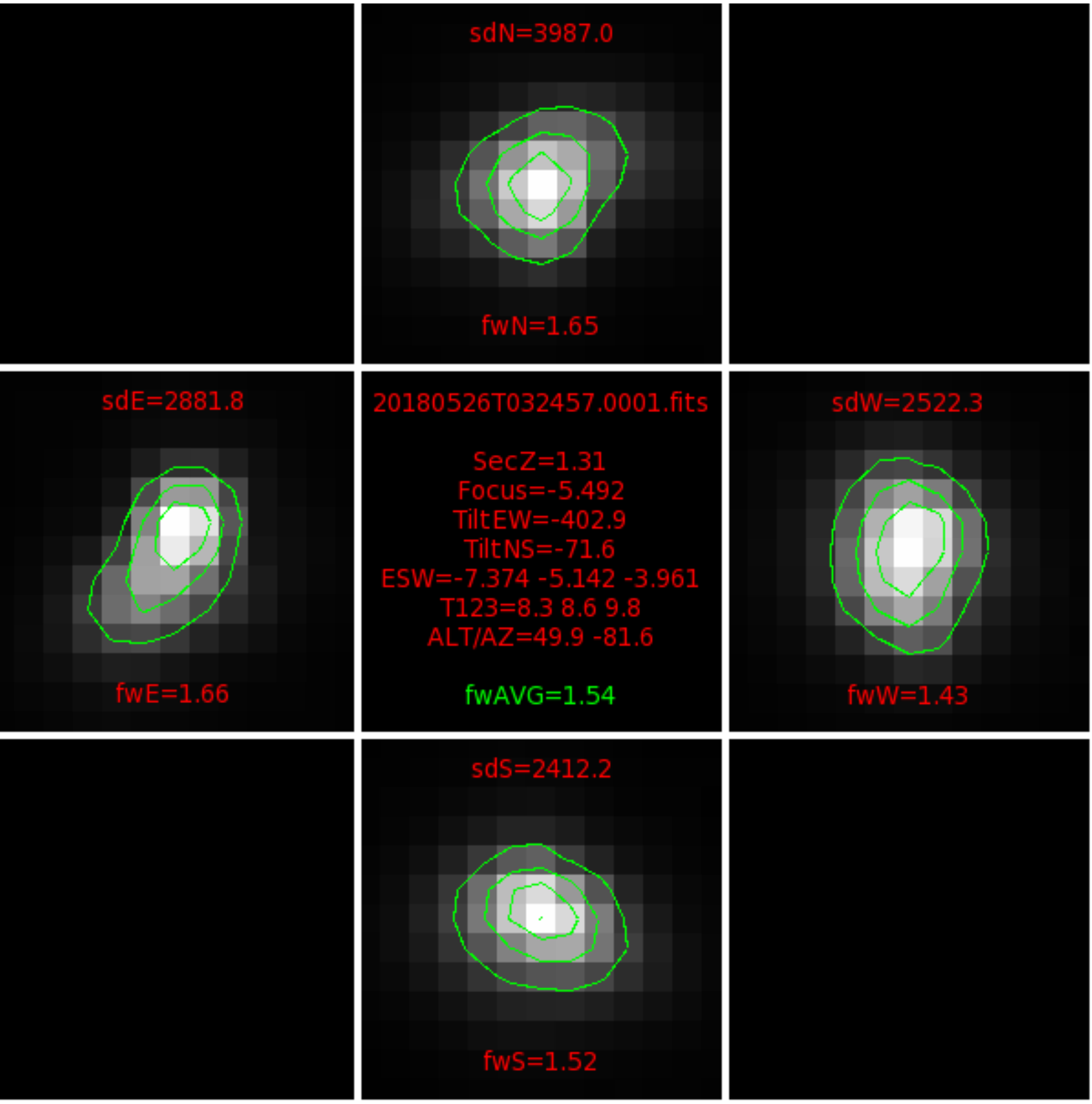
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fwN=1.65
sdE=2881.8
fwE=1.66
20180526T032457.0001.fits
SecZ=1.31
Focus=-5.492
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.374 -5.142 -3.961
T123=8.3 8.6 9.8
ALT/AZ=49.9 -81.6
fwAVG=1.54
sdW=2522.3
fwW=1.43
sdS=2412.2
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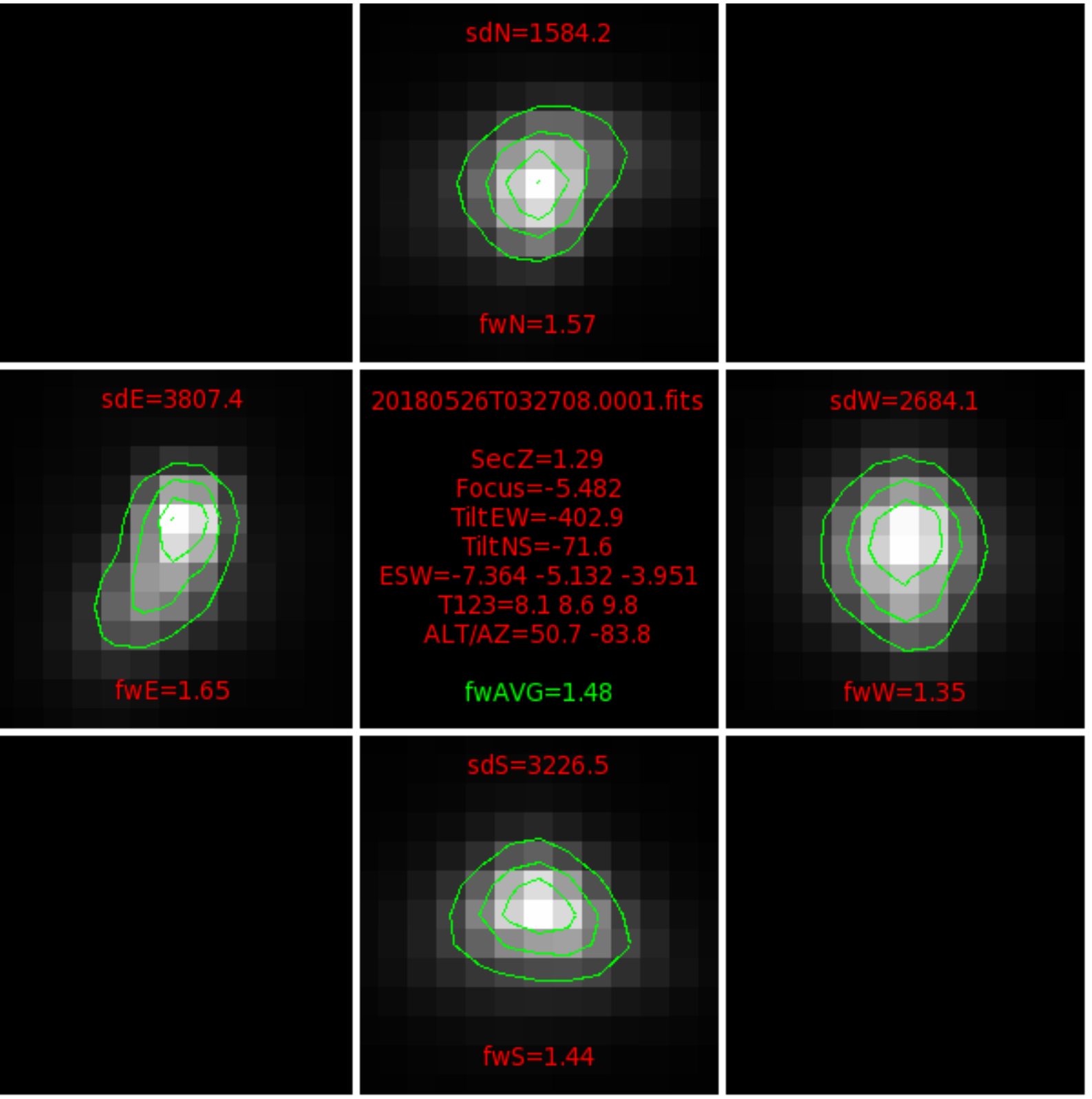
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fwN=1.57
sdE=3807.4
fwE=1.65
20180526T032708.0001.fits
SecZ=1.29
Focus=-5.482
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.364 -5.132 -3.951
T123=8.1 8.6 9.8
ALT/AZ=50.7 -83.8
fwAVG=1.48
sdW=2684.1
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sdS=3226.5
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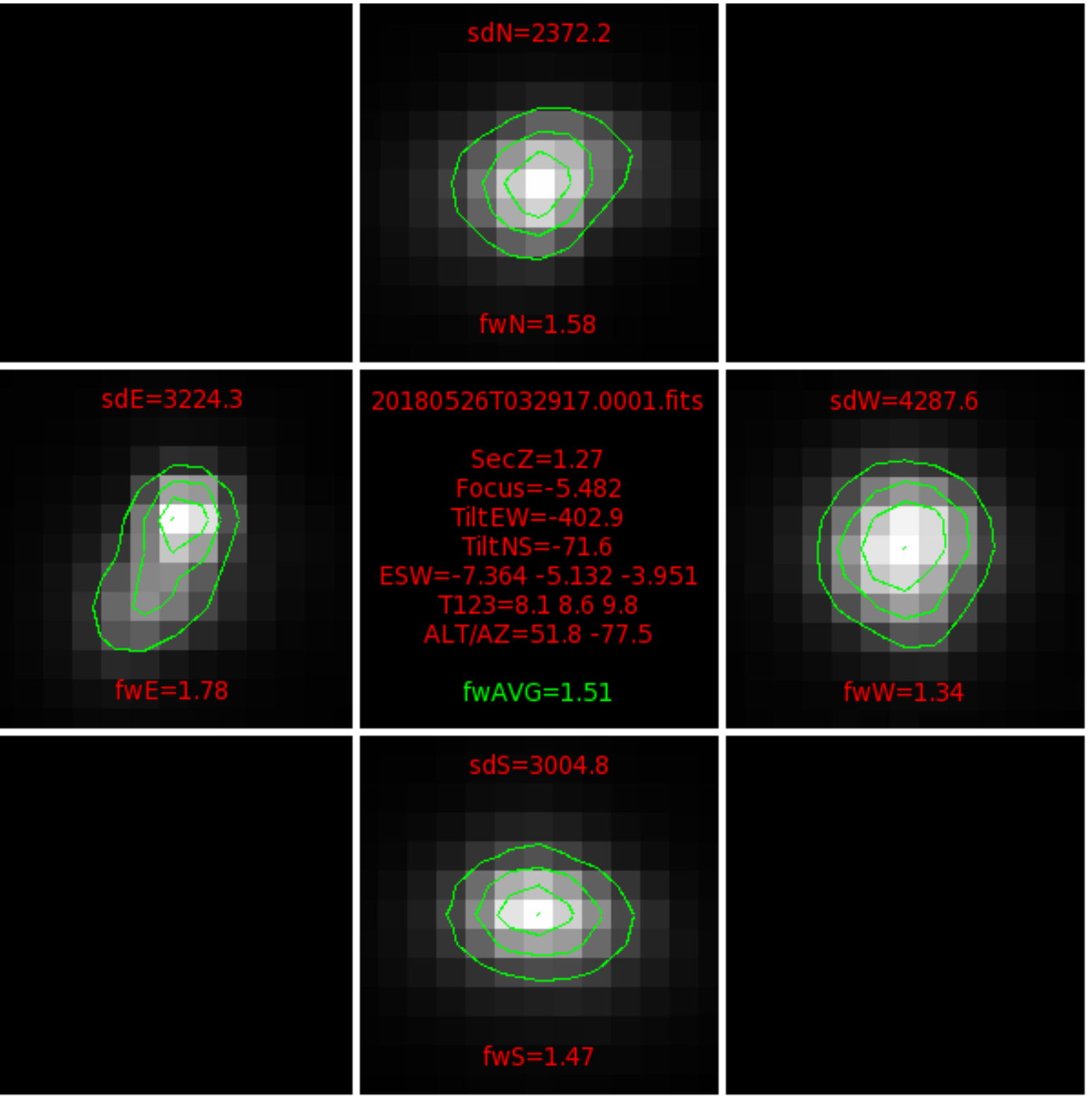
sdN=2372.2
fwN=1.58
sdE=3224.3
fwE=1.78
20180526T032917.0001.fits
SecZ=1.27
Focus=-5.482
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.364 -5.132 -3.951
T123=8.1 8.6 9.8
ALT/AZ=51.8 -77.5
fwAVG=1.51
sdW=4287.6
fwW=1.34
sdS=3004.8
fwS=1.47
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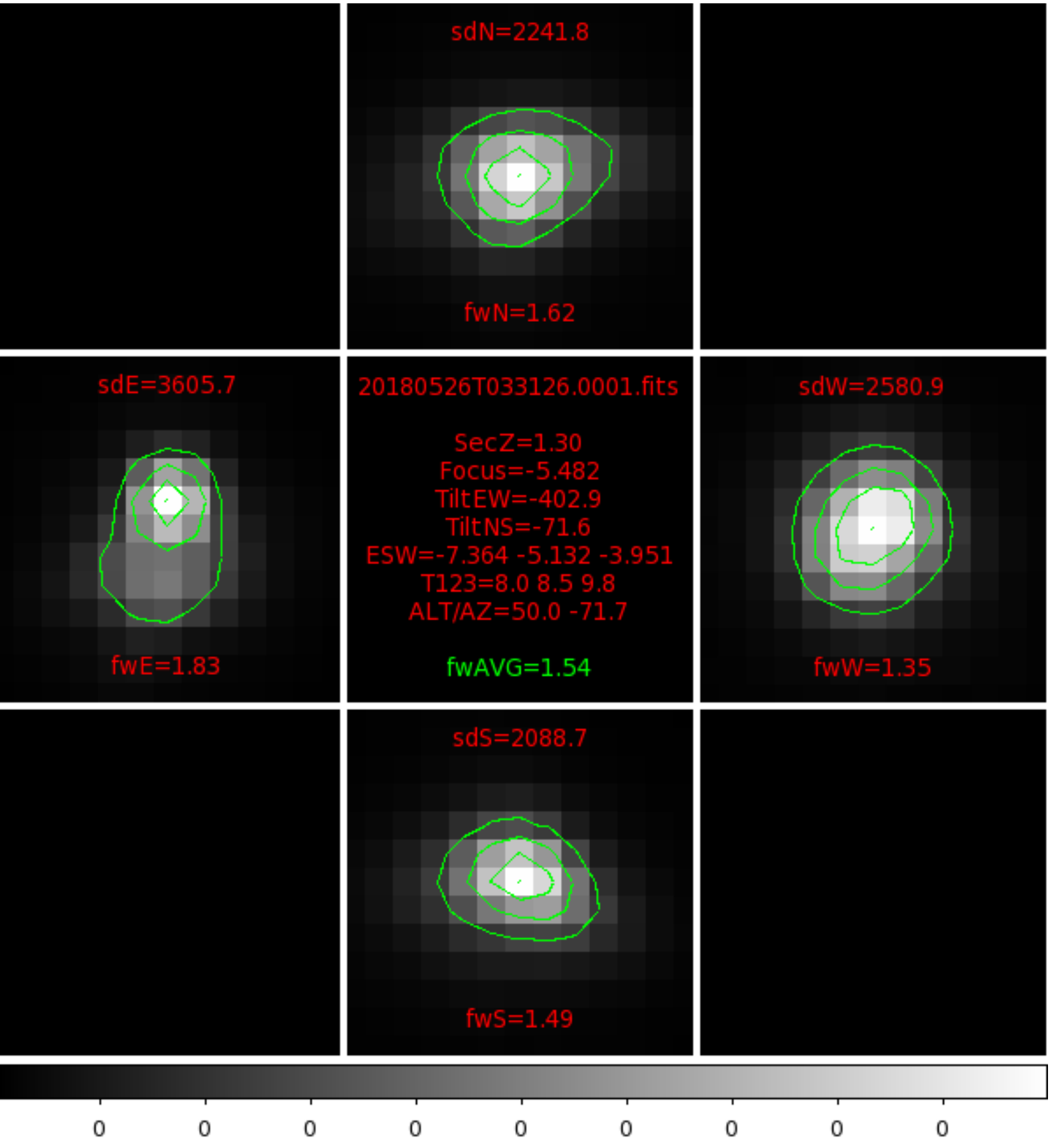
sdN=2241.8
fwN=1.62
sdE=3605.7
fwE=1.83
20180526T033126.0001.fits
SecZ=1.30
Focus=-5.482
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.364 -5.132 -3.951
T123=8.0 8.5 9.8
ALT/AZ=50.0 -71.7
fwAVG=1.54
sdW=2580.9
fwW=1.35
sdS=2088.7
fwS=1.49
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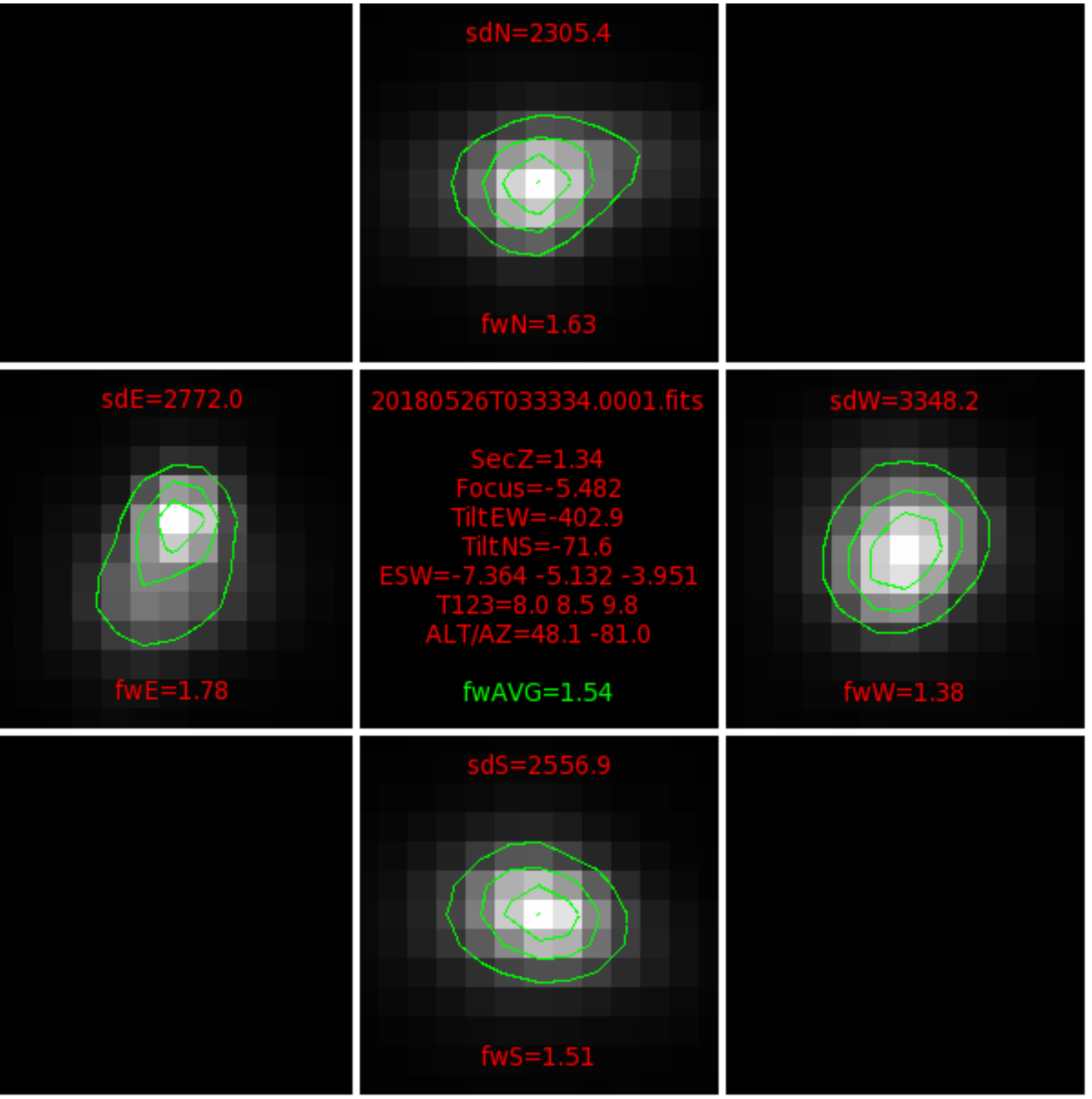
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fwN=1.63
sdE=2772.0
fwE=1.78
20180526T033334.0001.fits
SecZ=1.34
Focus=-5.482
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.364 -5.132 -3.951
T123=8.0 8.5 9.8
ALT/AZ=48.1 -81.0
fwAVG=1.54
sdW=3348.2
fwW=1.38
sdS=2556.9
fwS=1.51
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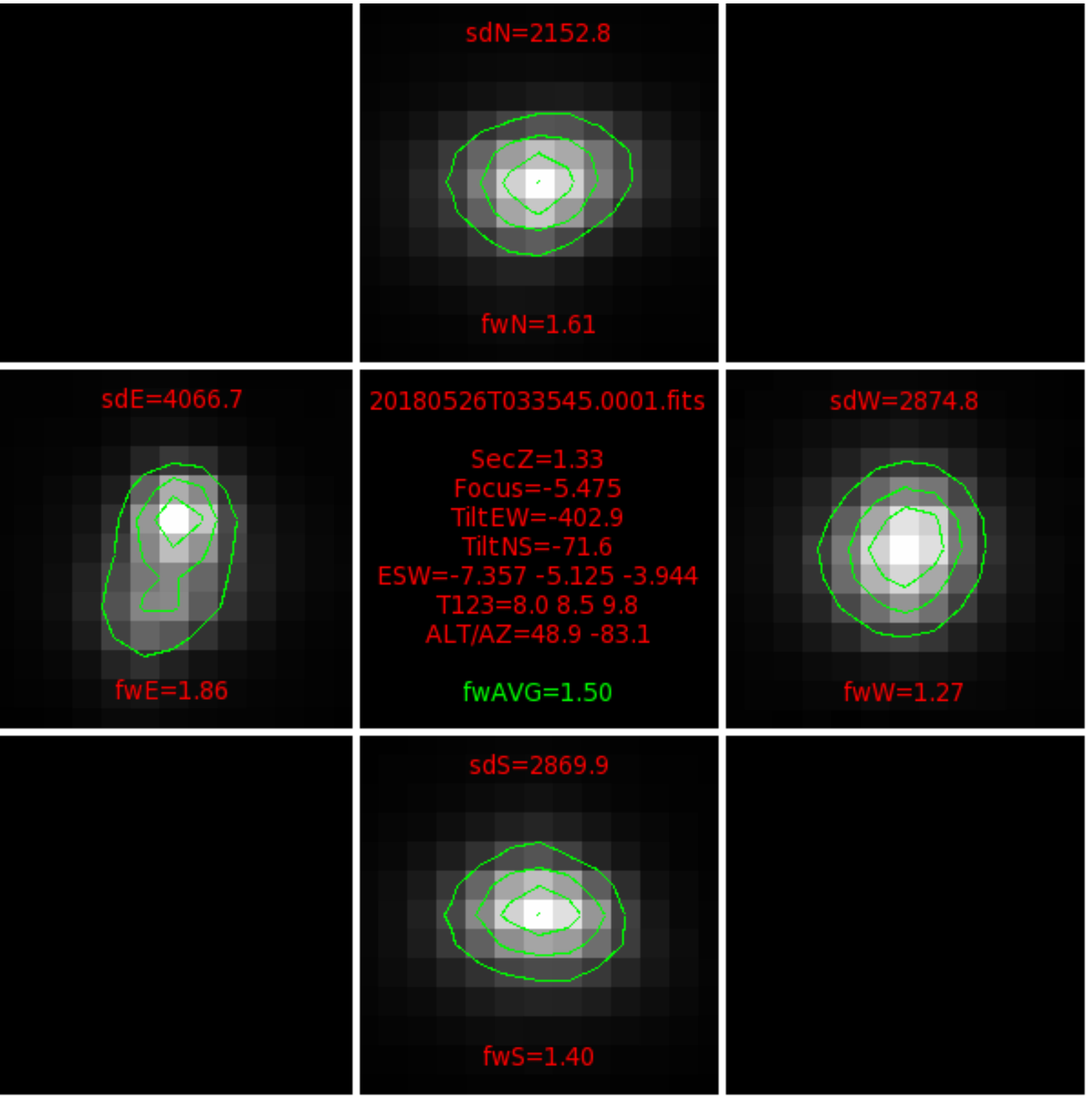
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fwN=1.61
sdE=4066.7
fwE=1.86
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SecZ=1.33
Focus=-5.475
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.357 -5.125 -3.944
T123=8.0 8.5 9.8
ALT/AZ=48.9 -83.1
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sdW=2874.8
fwW=1.27
sdS=2869.9
fwS=1.40
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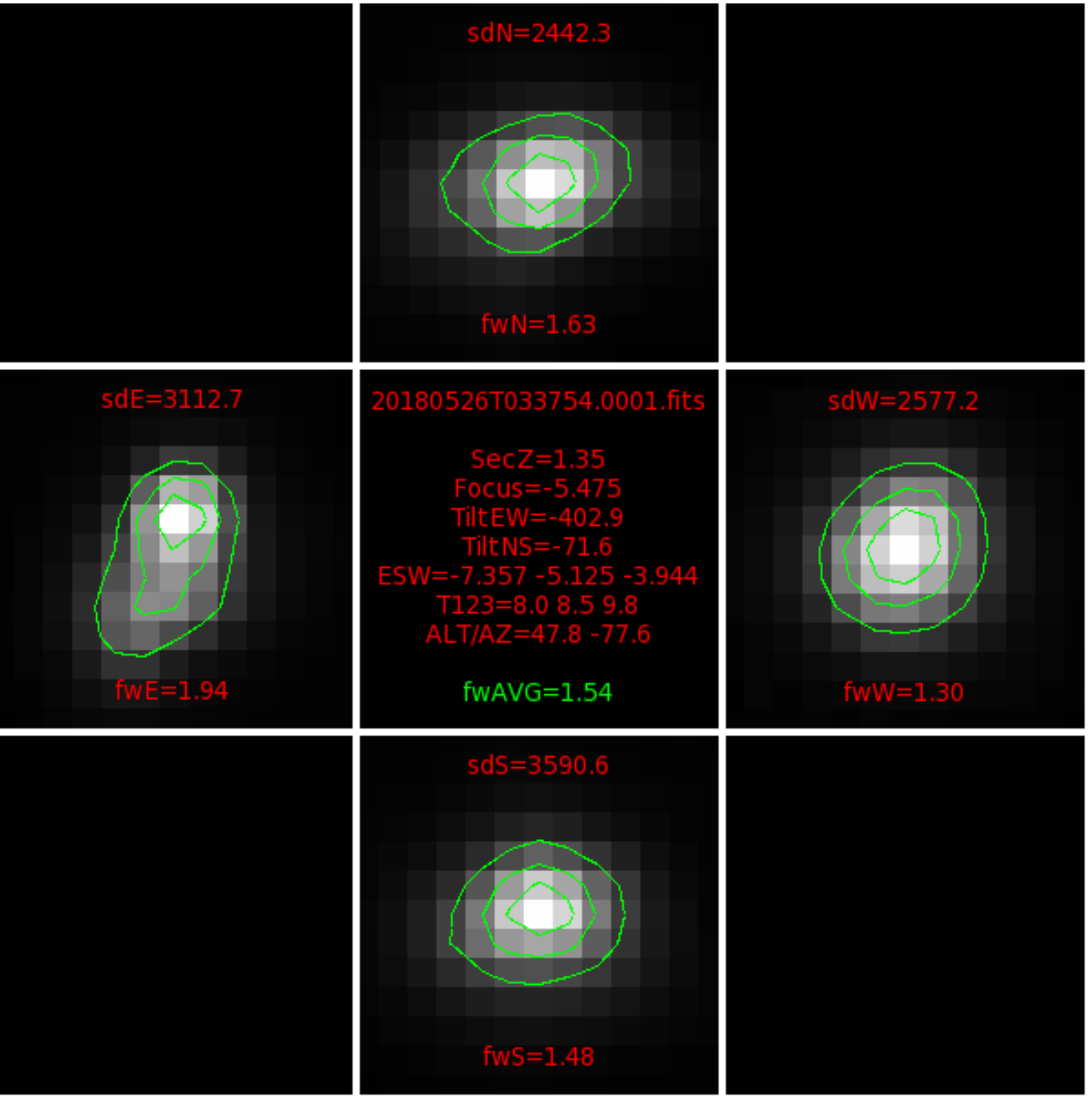
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sdE=3112.7
fwE=1.94
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SecZ=1.35
Focus=-5.475
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.357 -5.125 -3.944
T123=8.0 8.5 9.8
ALT/AZ=47.8 -77.6
fwAVG=1.54
sdW=2577.2
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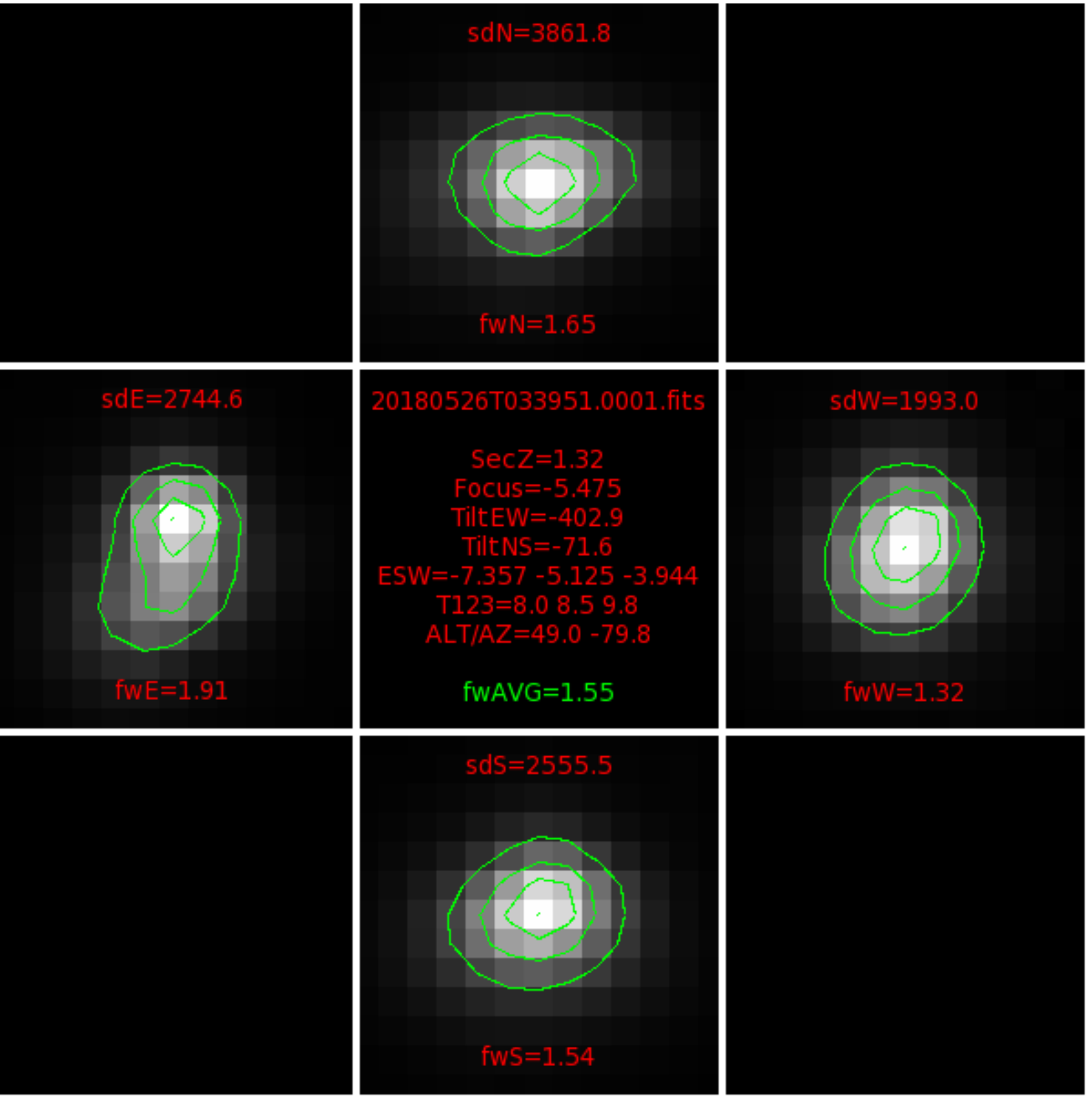
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fwN=1.65
sdE=2744.6
fwE=1.91
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SecZ=1.32
Focus=-5.475
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.357 -5.125 -3.944
T123=8.0 8.5 9.8
ALT/AZ=49.0 -79.8
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sdW=1993.0
fwW=1.32
sdS=2555.5
fwS=1.54
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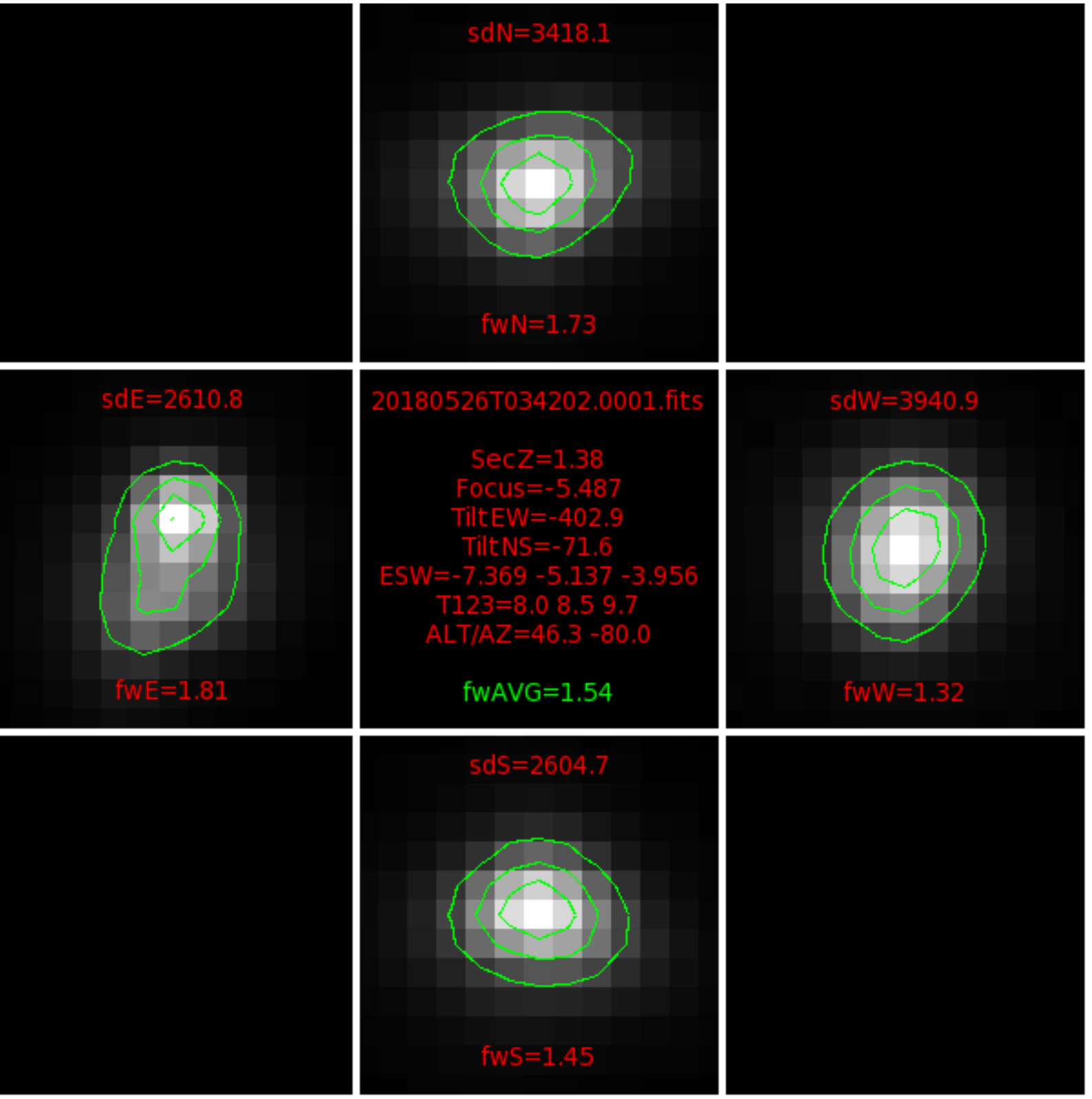
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sdE=2610.8
fwE=1.81
20180526T034202.0001.fits
SecZ=1.38
Focus=-5.487
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.369 -5.137 -3.956
T123=8.0 8.5 9.7
ALT/AZ=46.3 -80.0
fwAVG=1.54
sdW=3940.9
fwW=1.32
sdS=2604.7
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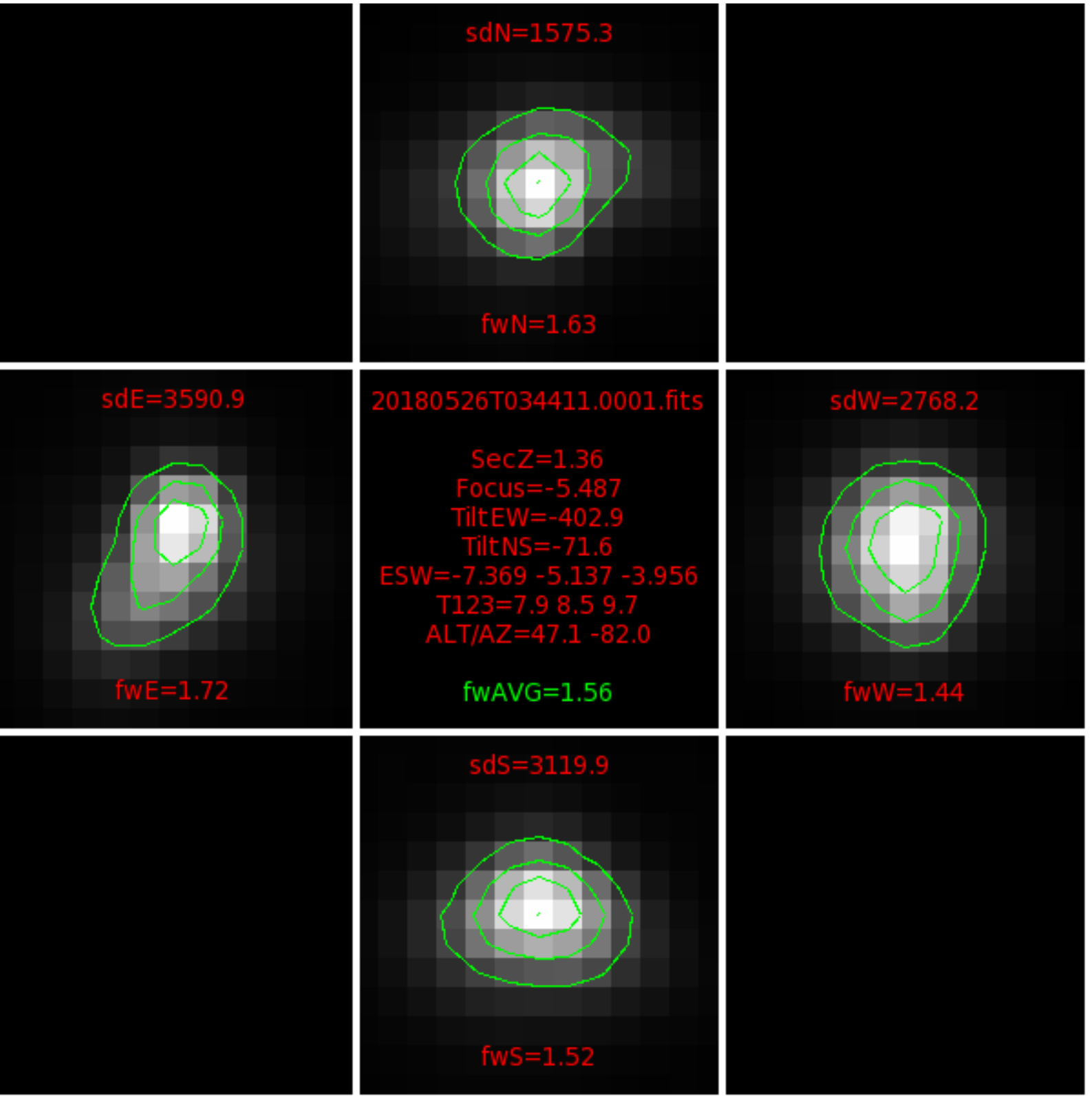
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fwN=1.63
sdE=3590.9
fwE=1.72
20180526T034411.0001.fits
SecZ=1.36
Focus=-5.487
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.369 -5.137 -3.956
T123=7.9 8.5 9.7
ALT/AZ=47.1 -82.0
fwAVG=1.56
sdW=2768.2
fwW=1.44
sdS=3119.9
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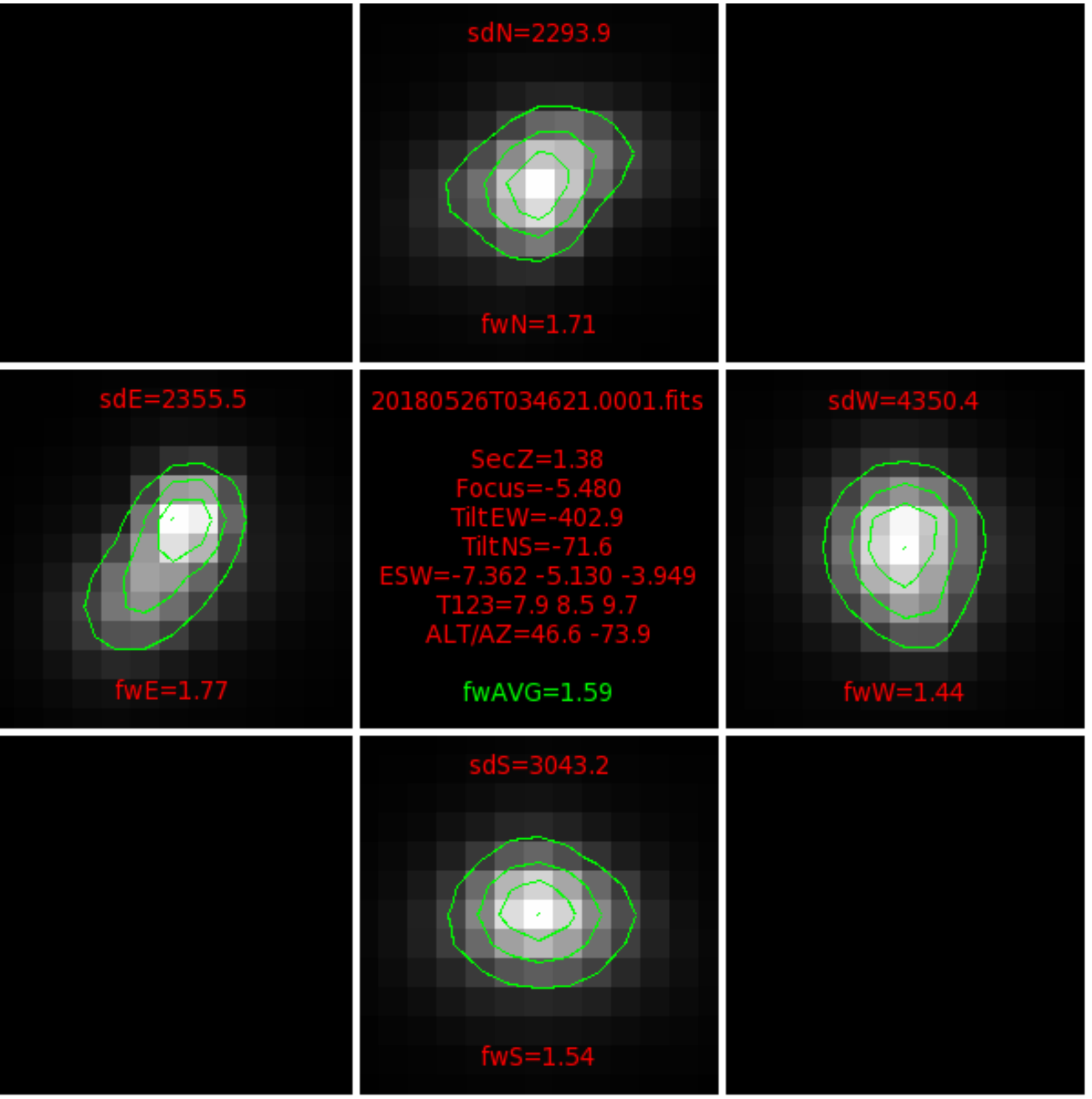
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fwN=1.71
sdE=2355.5
fwE=1.77
20180526T034621.0001.fits
SecZ=1.38
Focus=-5.480
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.362 -5.130 -3.949
T123=7.9 8.5 9.7
ALT/AZ=46.6 -73.9
fwAVG=1.59
sdW=4350.4
fwW=1.44
sdS=3043.2
fwS=1.54
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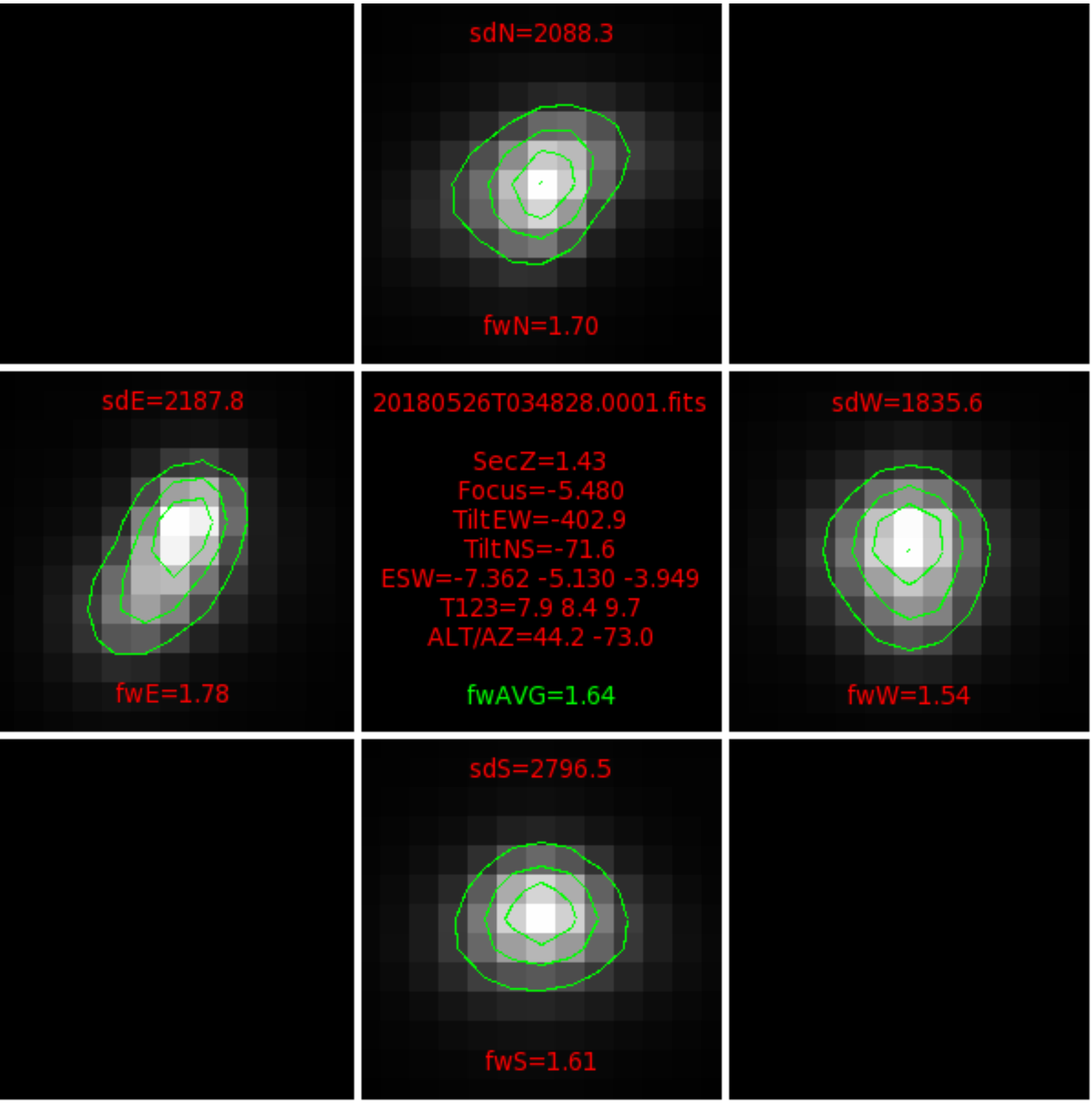
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fwN=1.70
sdE=2187.8
fwE=1.78
20180526T034828.0001.fits
SecZ=1.43
Focus=-5.480
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.362 -5.130 -3.949
T123=7.9 8.4 9.7
ALT/AZ=44.2 -73.0
fwAVG=1.64
sdW=1835.6
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sdS=2796.5
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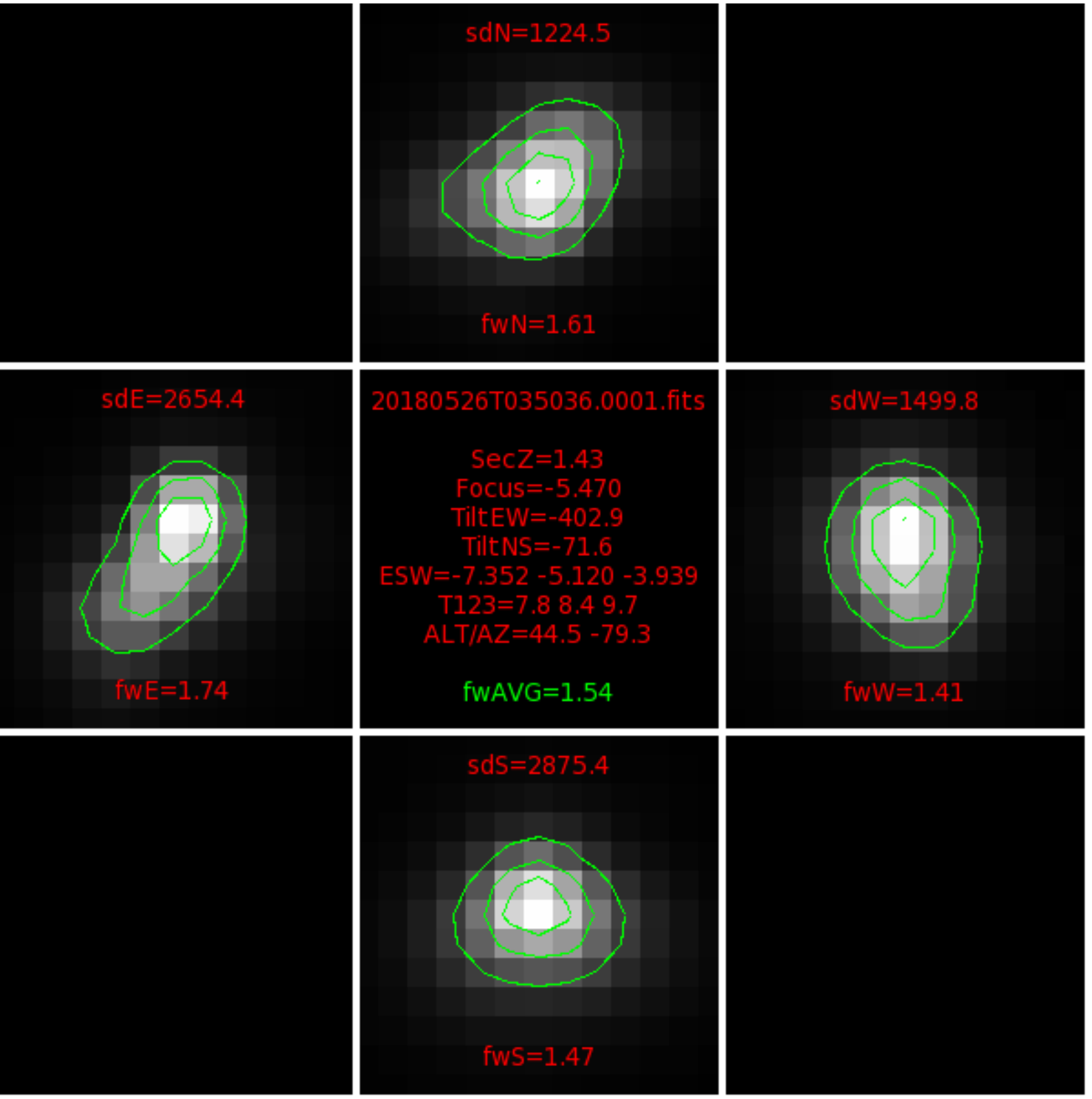
sdN=1224.5
fwN=1.61
sdE=2654.4
fwE=1.74
20180526T035036.0001.fits
SecZ=1.43
Focus=-5.470
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.352 -5.120 -3.939
T123=7.8 8.4 9.7
ALT/AZ=44.5 -79.3
fwAVG=1.54
sdW=1499.8
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sdS=2875.4
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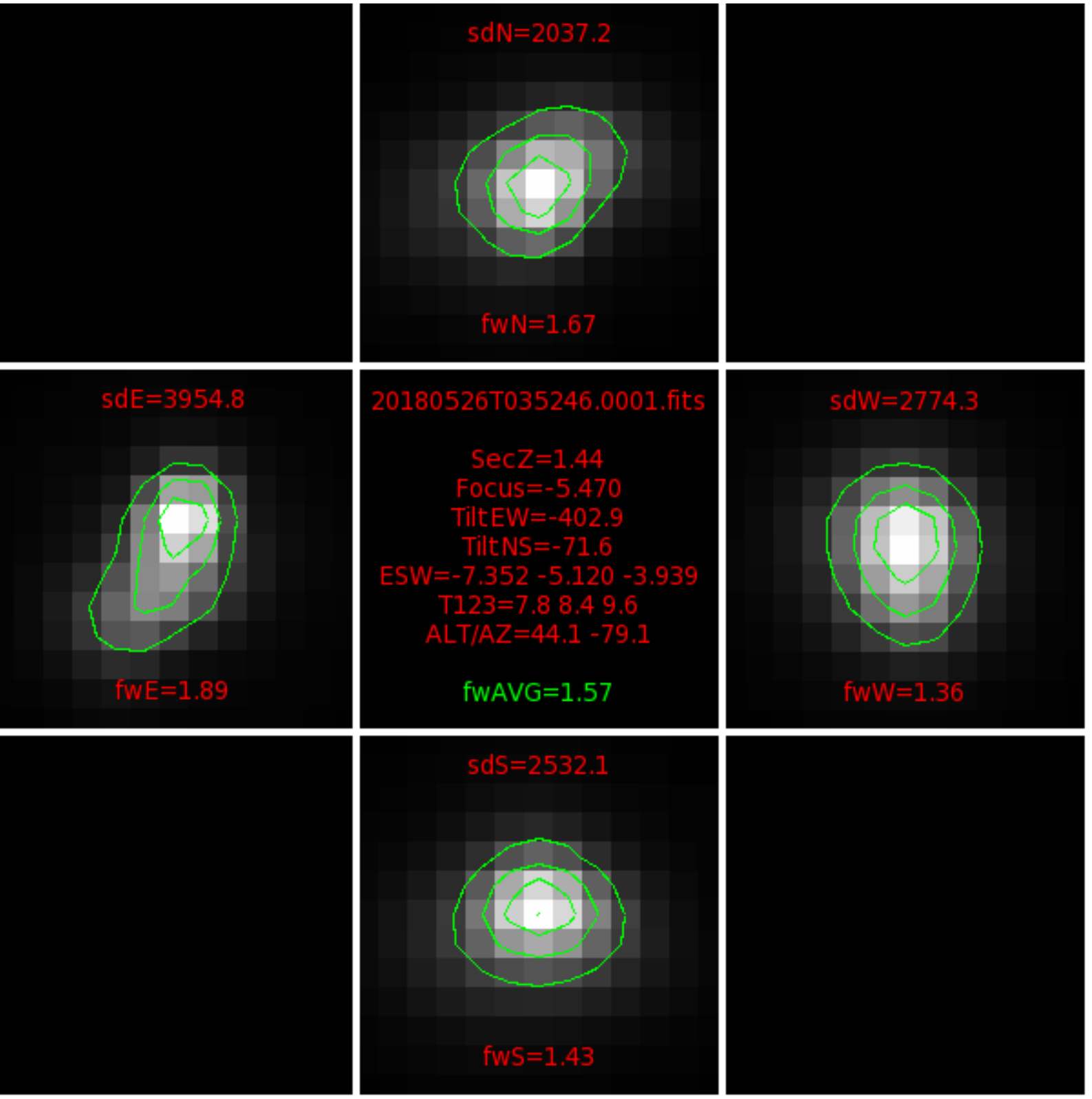
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fwN=1.67
sdE=3954.8
fwE=1.89
20180526T035246.0001.fits
SecZ=1.44
Focus=-5.470
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.352 -5.120 -3.939
T123=7.8 8.4 9.6
ALT/AZ=44.1 -79.1
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sdW=2774.3
fwW=1.36
sdS=2532.1
fwS=1.43
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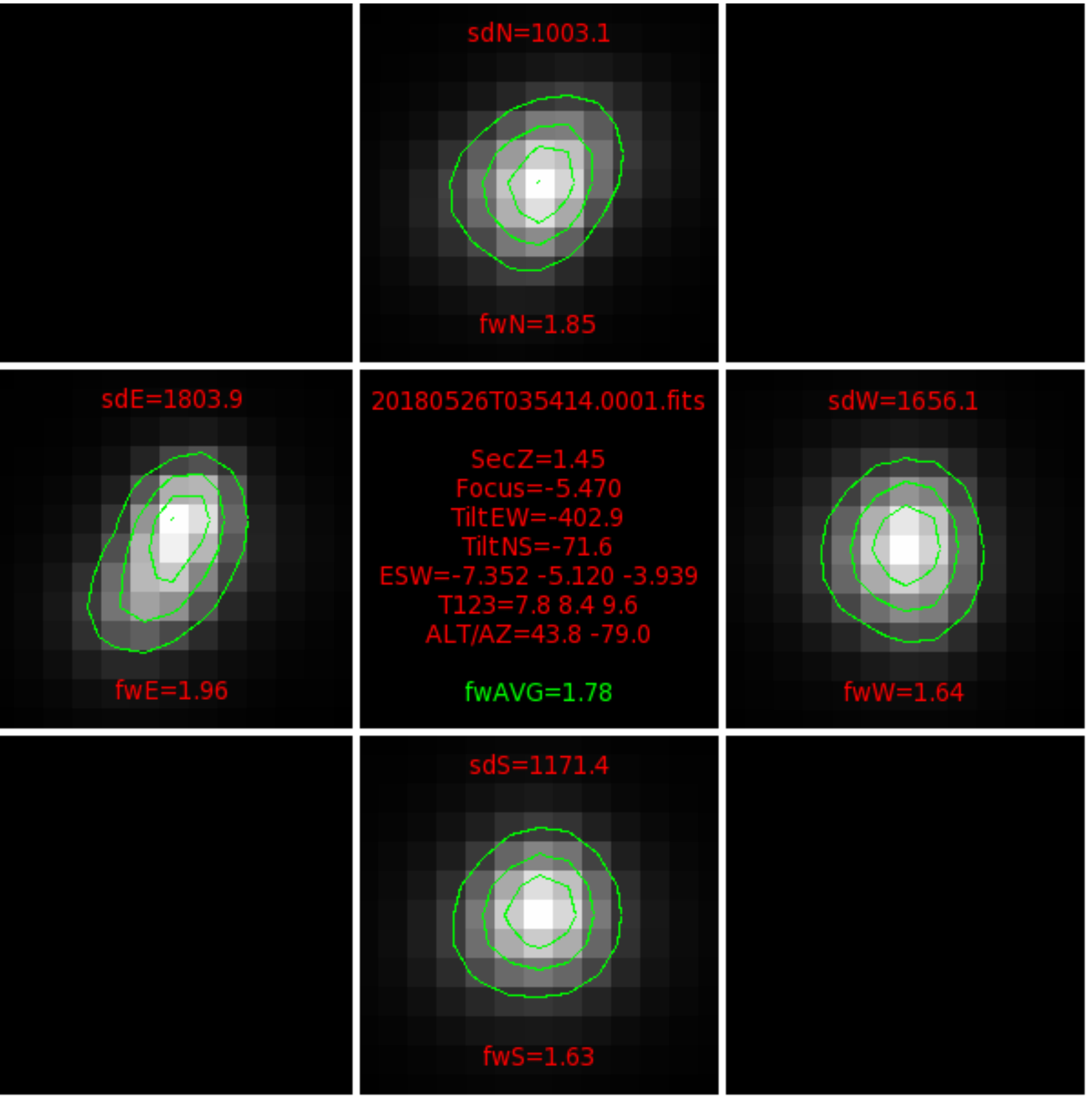
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sdE=1803.9
fwE=1.96
20180526T035414.0001.fits
SecZ=1.45
Focus=-5.470
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.352 -5.120 -3.939
T123=7.8 8.4 9.6
ALT/AZ=43.8 -79.0
fwAVG=1.78
sdW=1656.1
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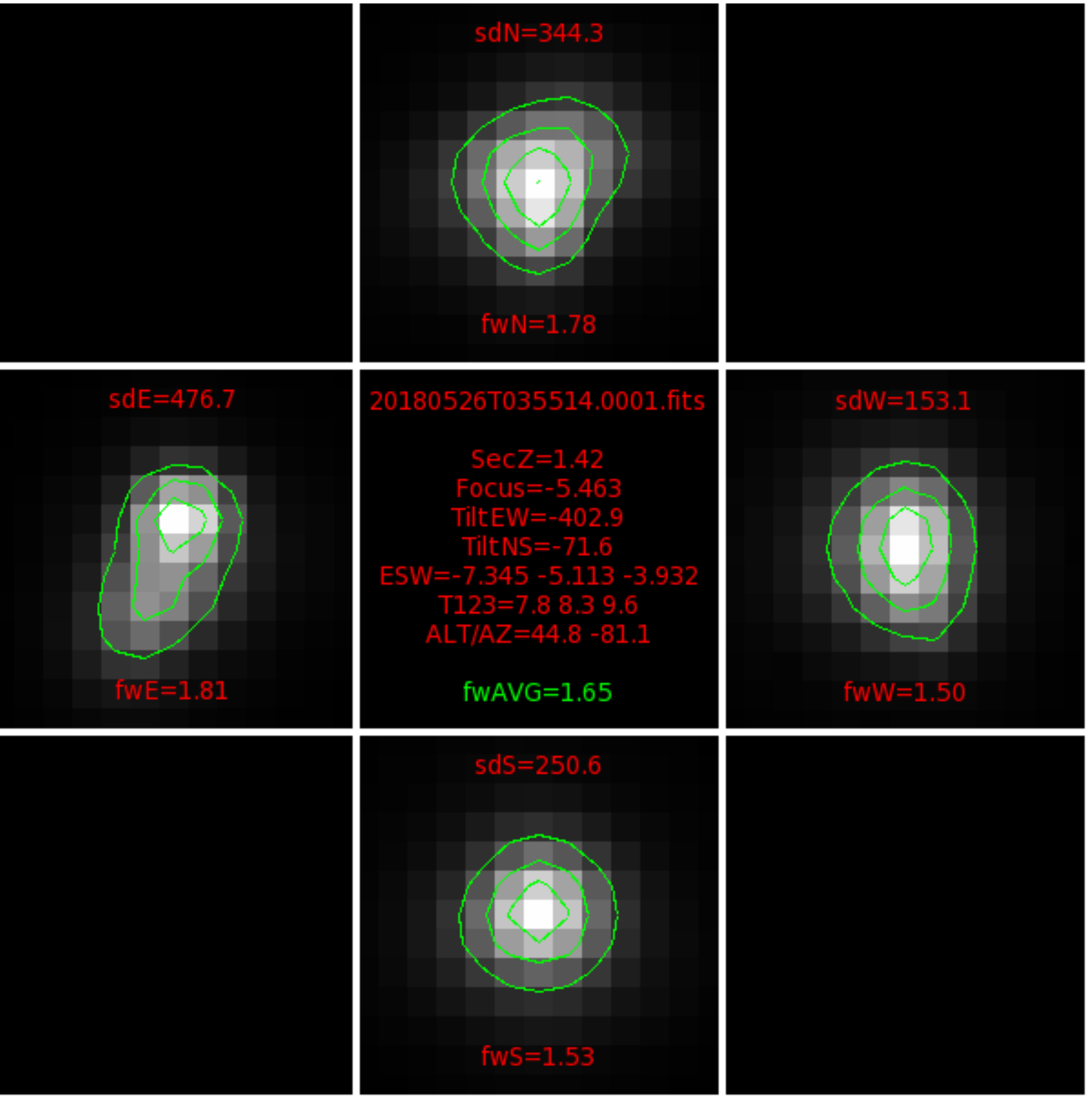
sdN=344.3
fwN=1.78
sdE=476.7
fwE=1.81
20180526T035514.0001.fits
SecZ=1.42
Focus=-5.463
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.345 -5.113 -3.932
T123=7.8 8.3 9.6
ALT/AZ=44.8 -81.1
fwAVG=1.65
sdW=153.1
fwW=1.50
sdS=250.6
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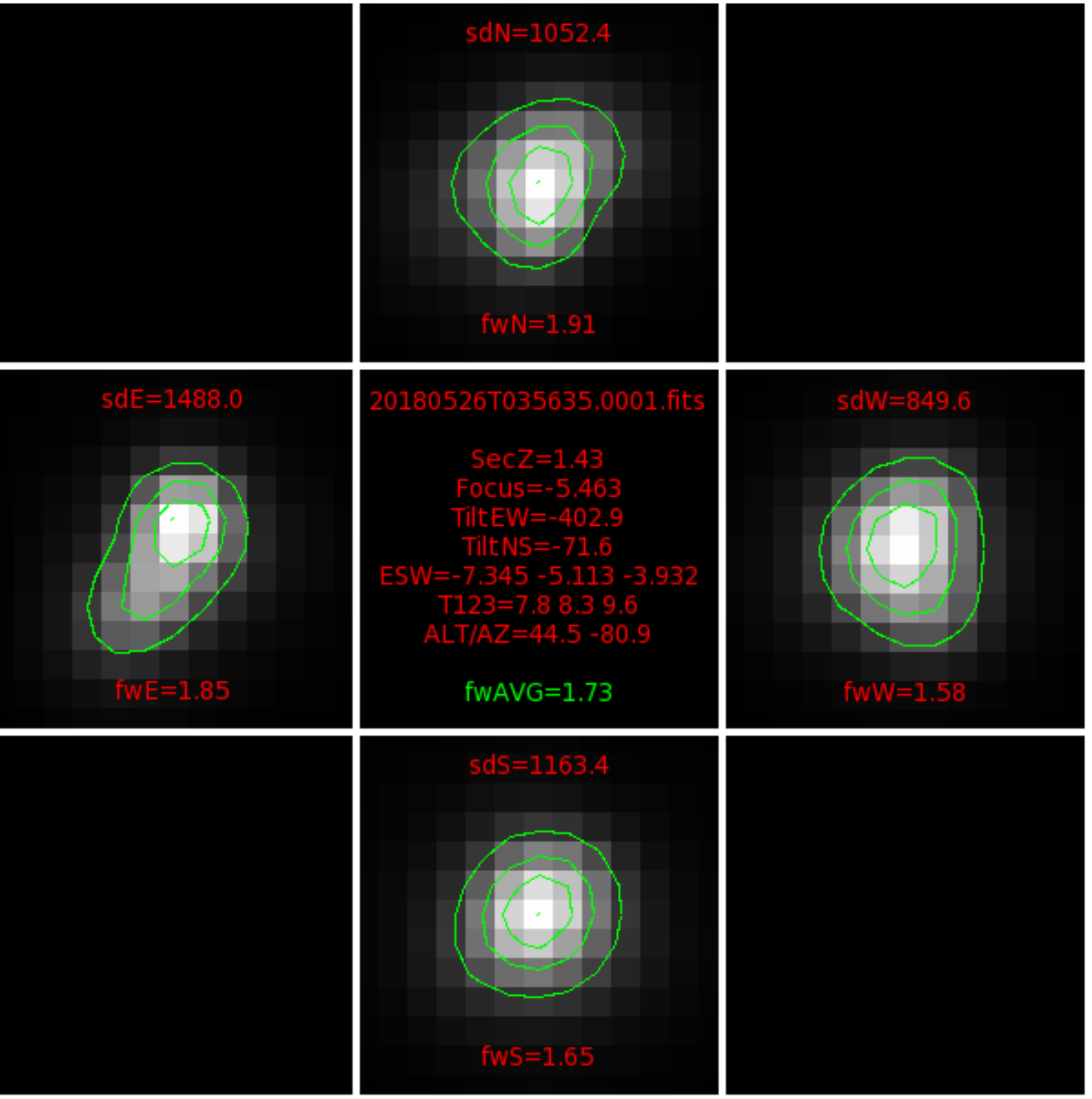
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sdE=1488.0
fwE=1.85
20180526T035635.0001.fits
SecZ=1.43
Focus=-5.463
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.345 -5.113 -3.932
T123=7.8 8.3 9.6
ALT/AZ=44.5 -80.9
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sdW=849.6
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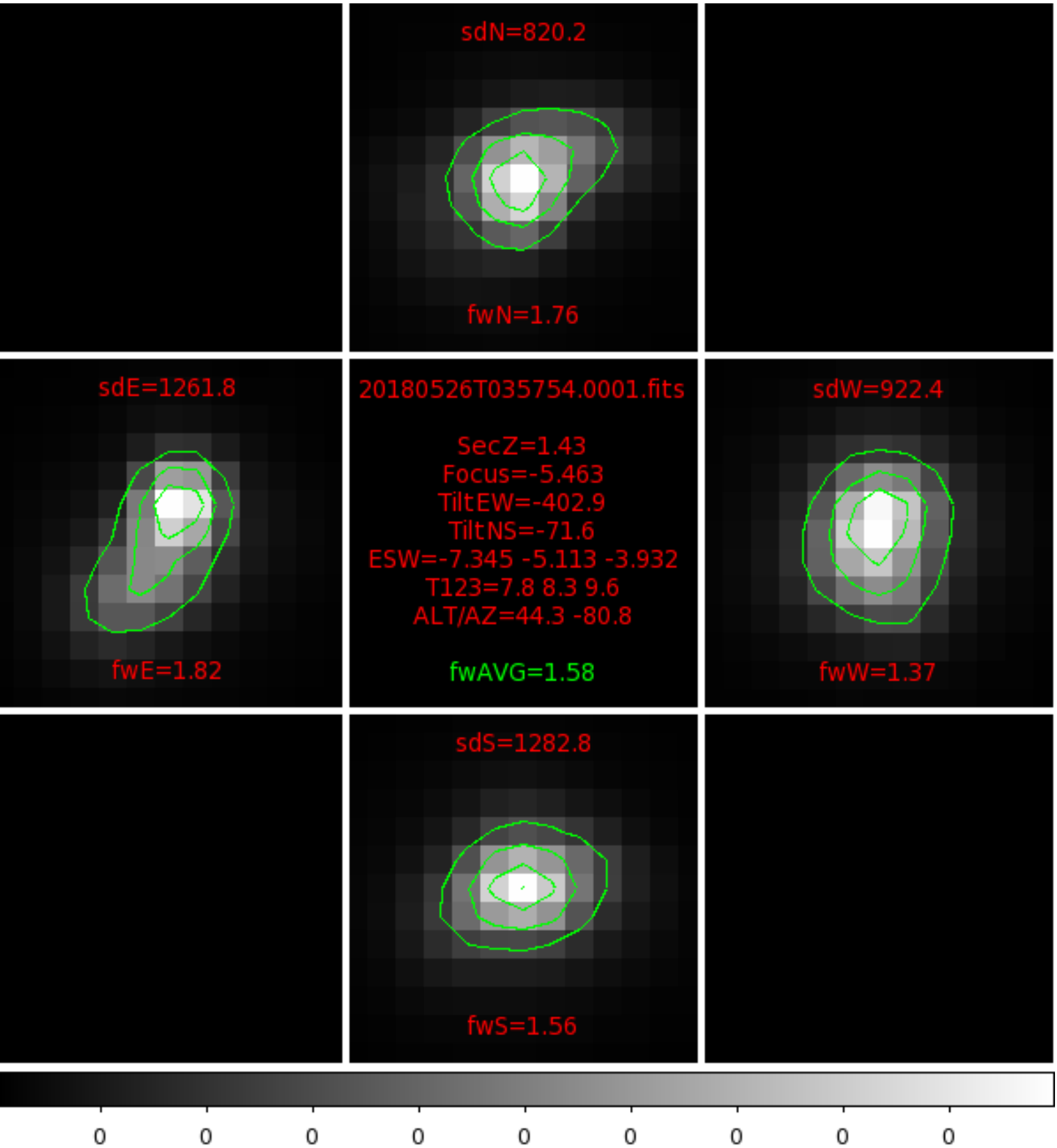
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fwN=1.76
sdE=1261.8
fwE=1.82
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SecZ=1.43
Focus=-5.463
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.345 -5.113 -3.932
T123=7.8 8.3 9.6
ALT/AZ=44.3 -80.8
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sdW=922.4
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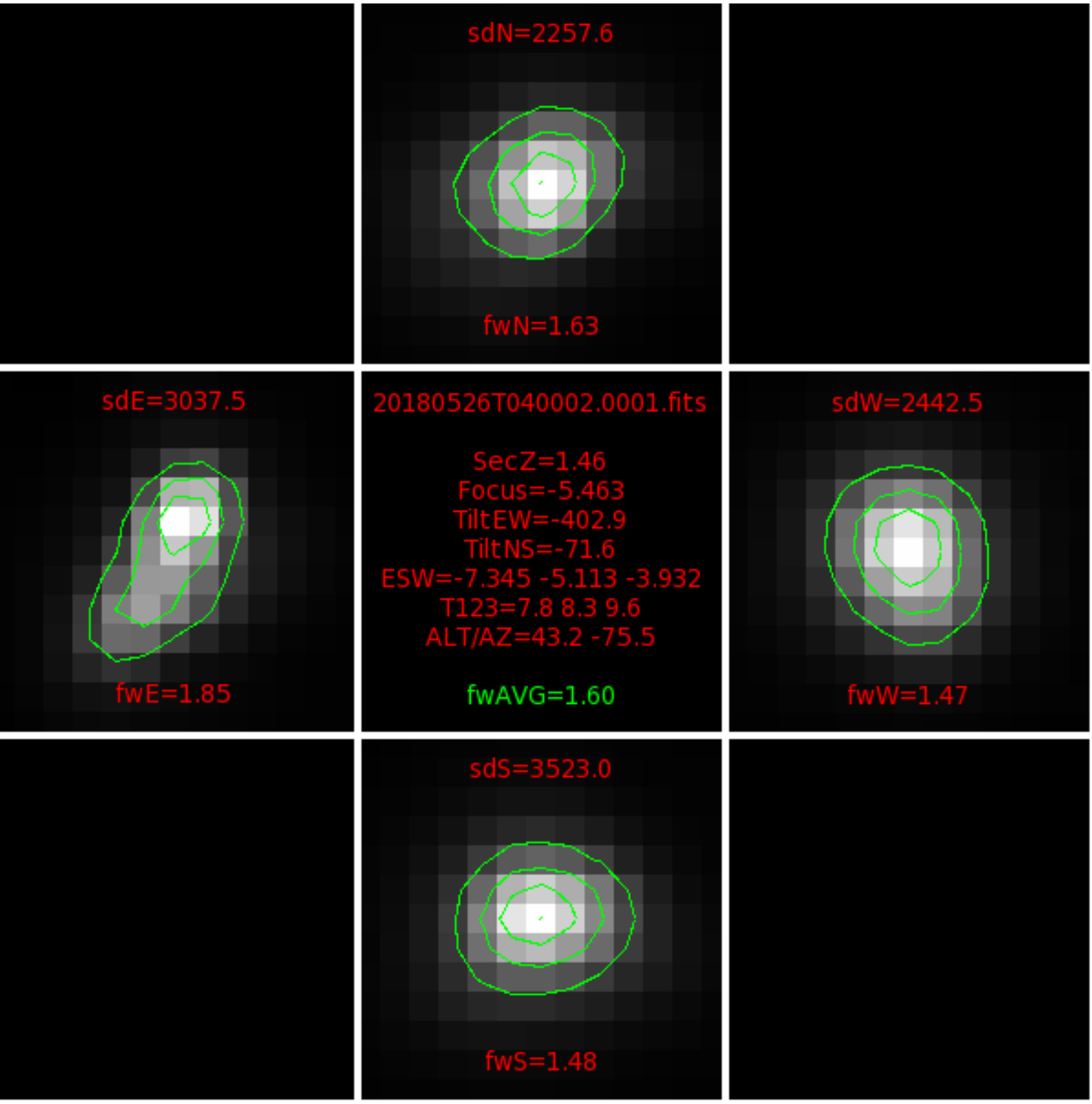
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fwN=1.63
sdE=3037.5
fwE=1.85
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SecZ=1.46
Focus=-5.463
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.345 -5.113 -3.932
T123=7.8 8.3 9.6
ALT/AZ=43.2 -75.5
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sdW=2442.5
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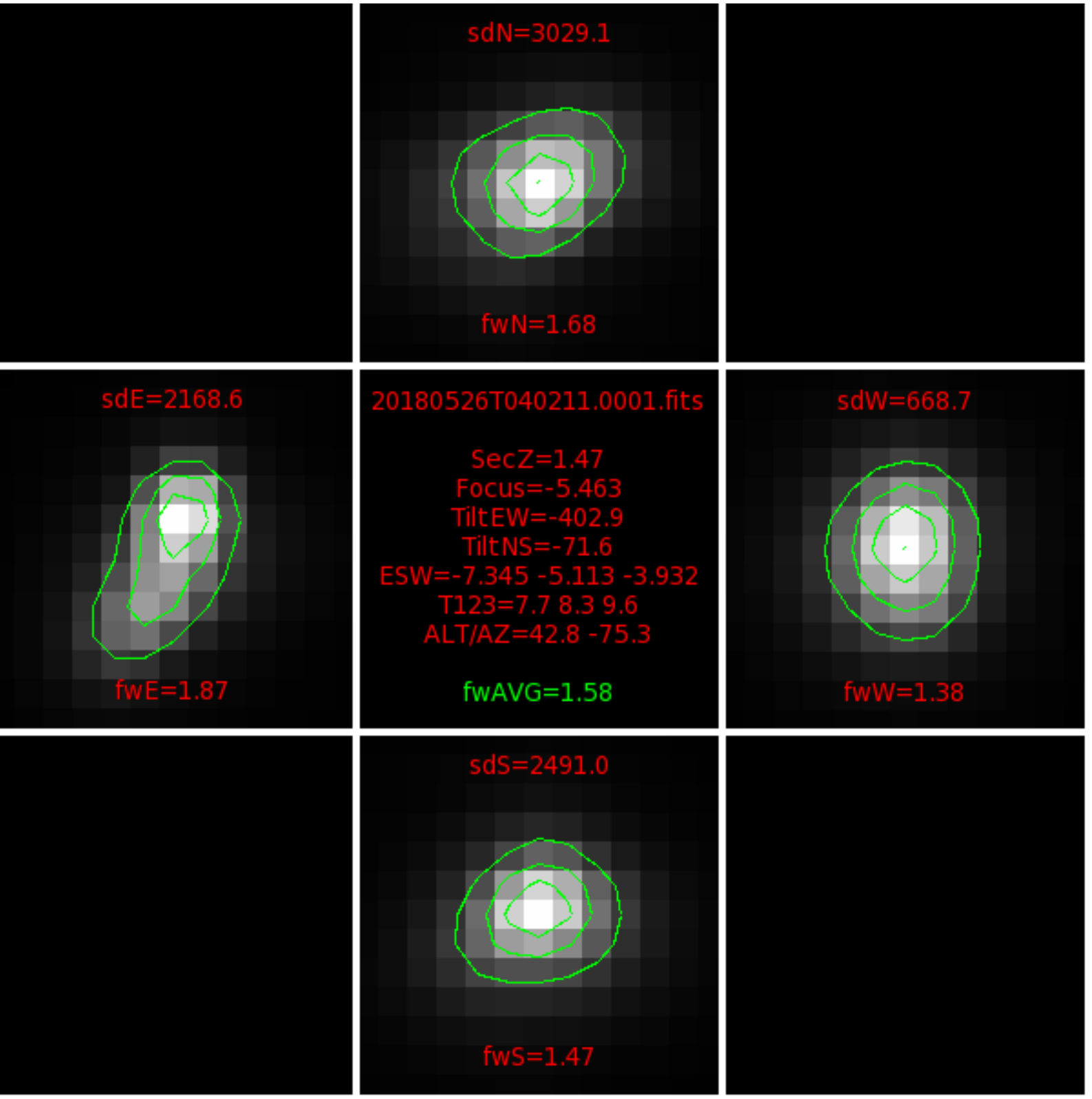
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fwN=1.68
sdE=2168.6
fwE=1.87
20180526T040211.0001.fits
SecZ=1.47
Focus=-5.463
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.345 -5.113 -3.932
T123=7.7 8.3 9.6
ALT/AZ=42.8 -75.3
fwAVG=1.58
sdW=668.7
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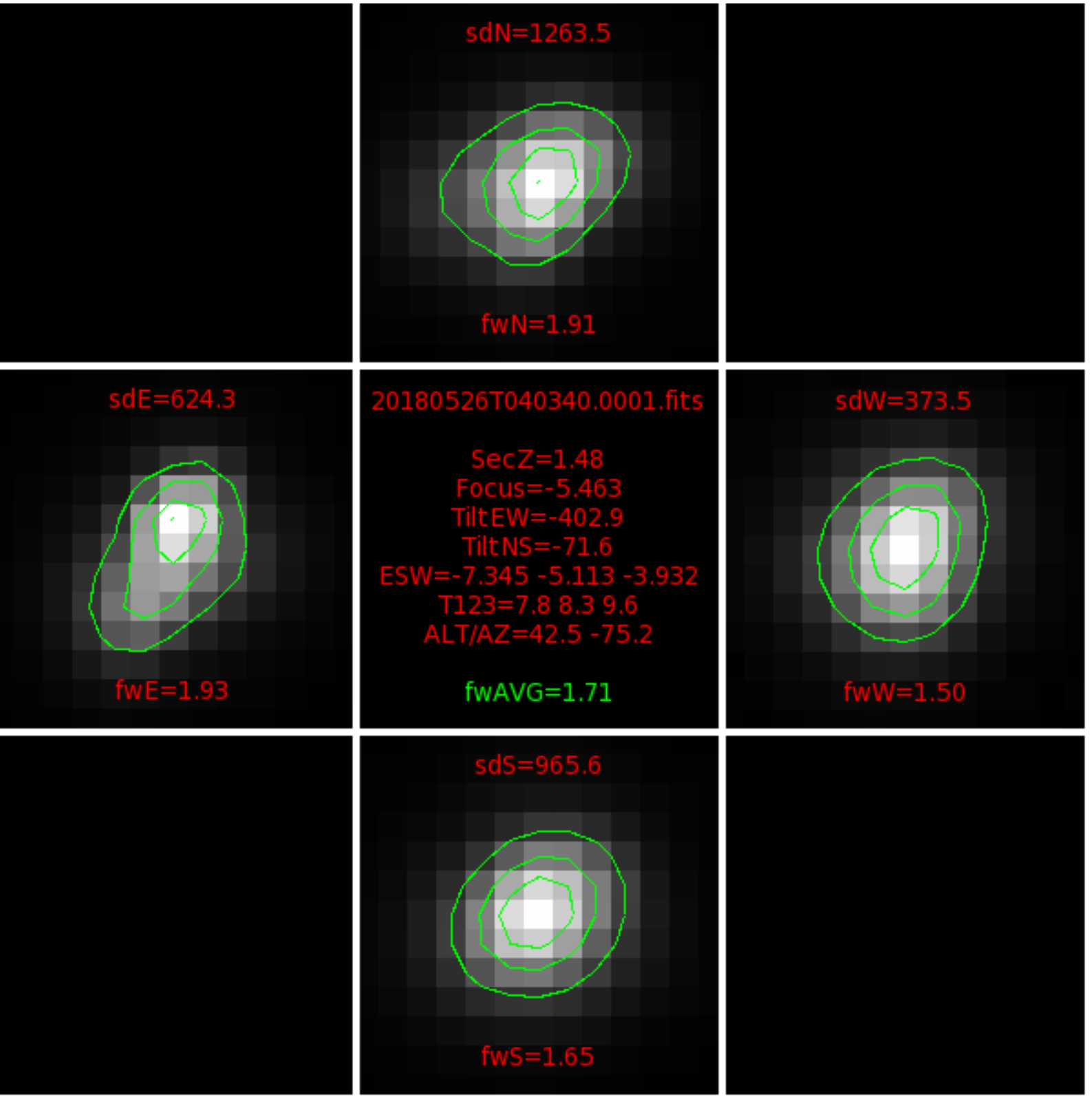
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fwN=1.91
sdE=624.3
fwE=1.93
20180526T040340.0001.fits
SecZ=1.48
Focus=-5.463
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.345 -5.113 -3.932
T123=7.8 8.3 9.6
ALT/AZ=42.5 -75.2
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sdW=373.5
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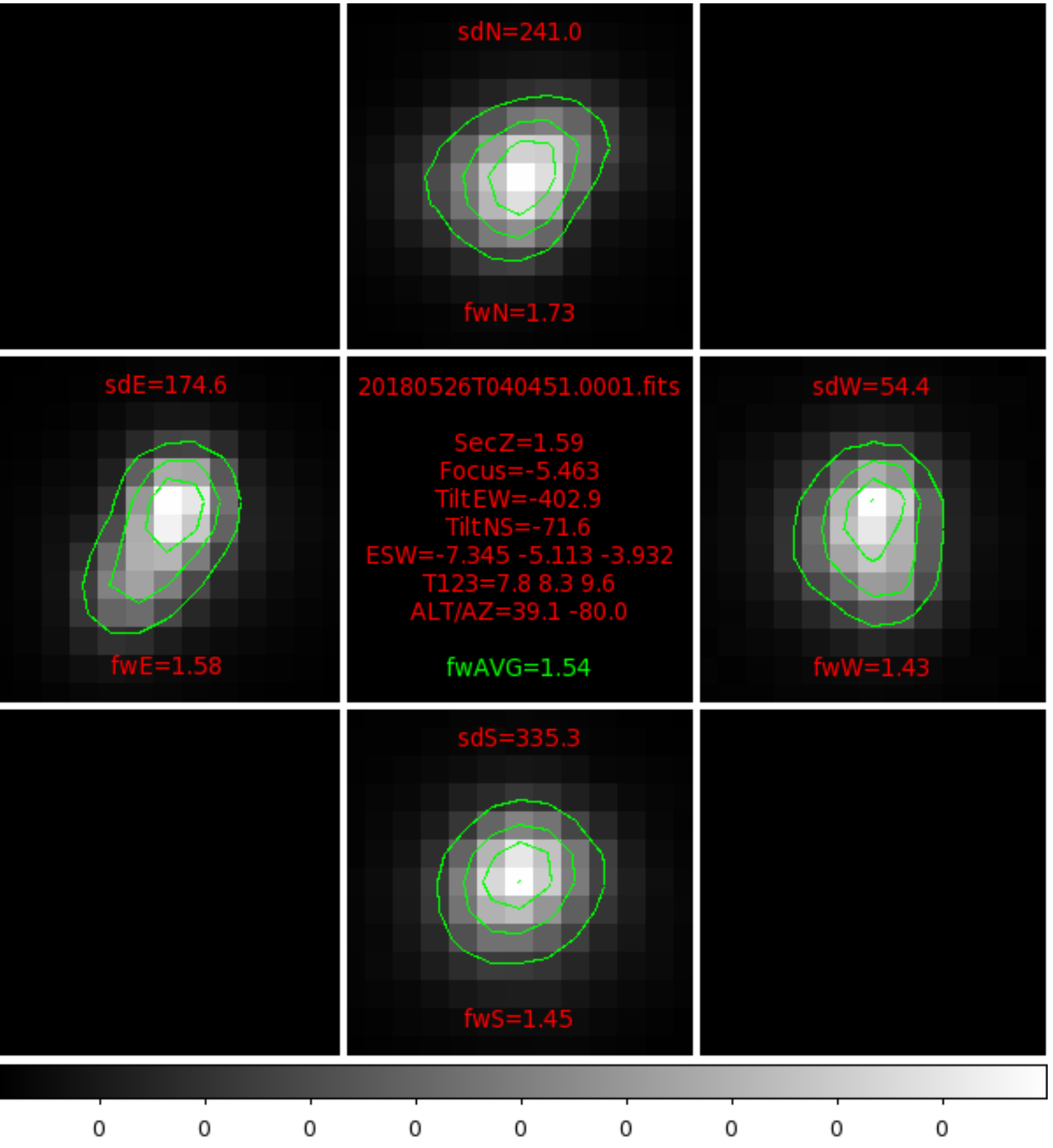
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sdE=174.6
fwE=1.58
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SecZ=1.59
Focus=-5.463
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TiltNS=-71.6
ESW=-7.345 -5.113 -3.932
T123=7.8 8.3 9.6
ALT/AZ=39.1 -80.0
fwAVG=1.54
sdW=54.4
fwW=1.43
sdS=335.3
fwS=1.45
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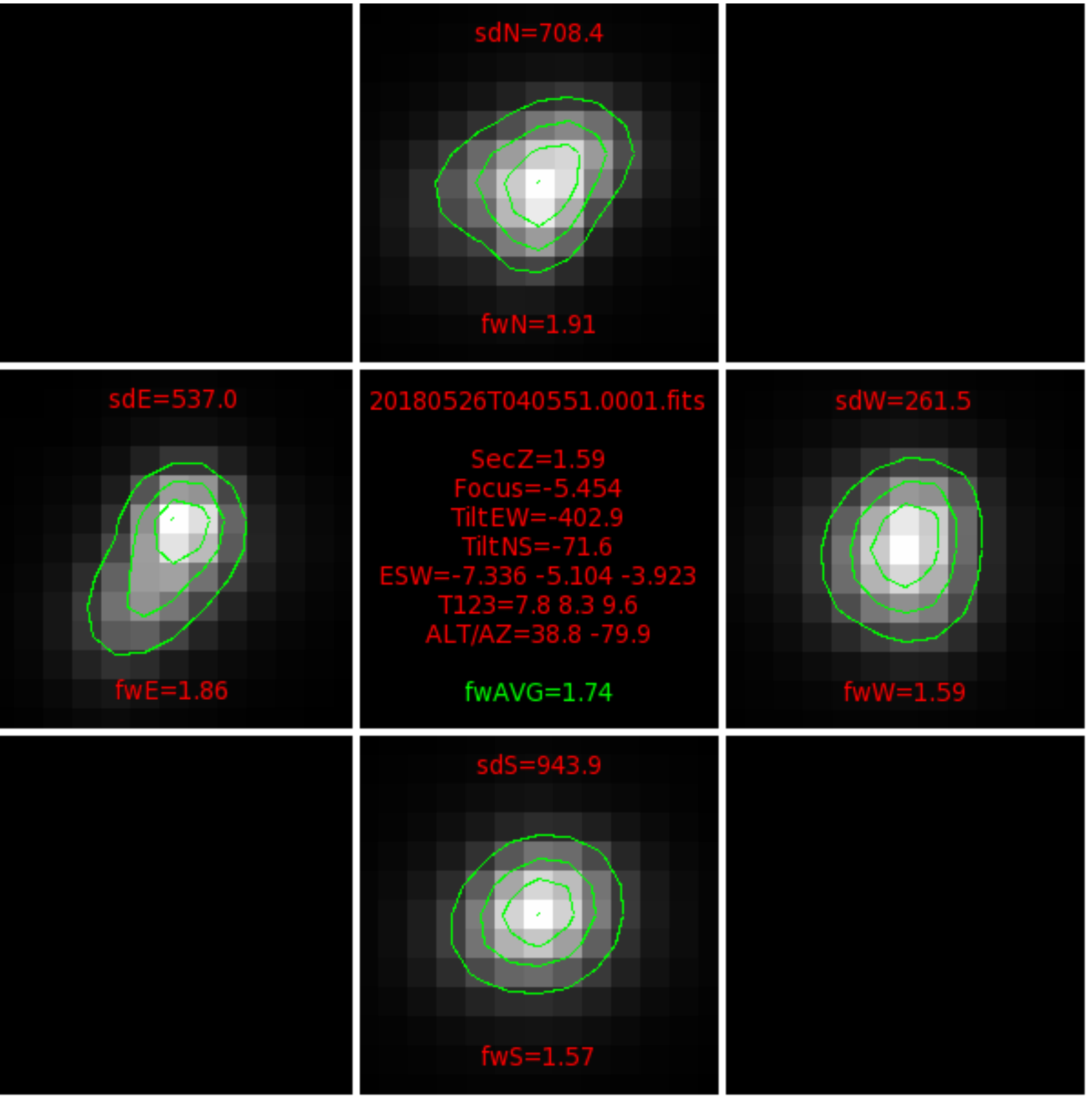
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sdE=537.0
fwE=1.86
20180526T040551.0001.fits
SecZ=1.59
Focus=-5.454
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.336 -5.104 -3.923
T123=7.8 8.3 9.6
ALT/AZ=38.8 -79.9
fwAVG=1.74
sdW=261.5
fwW=1.59
sdS=943.9
fwS=1.57
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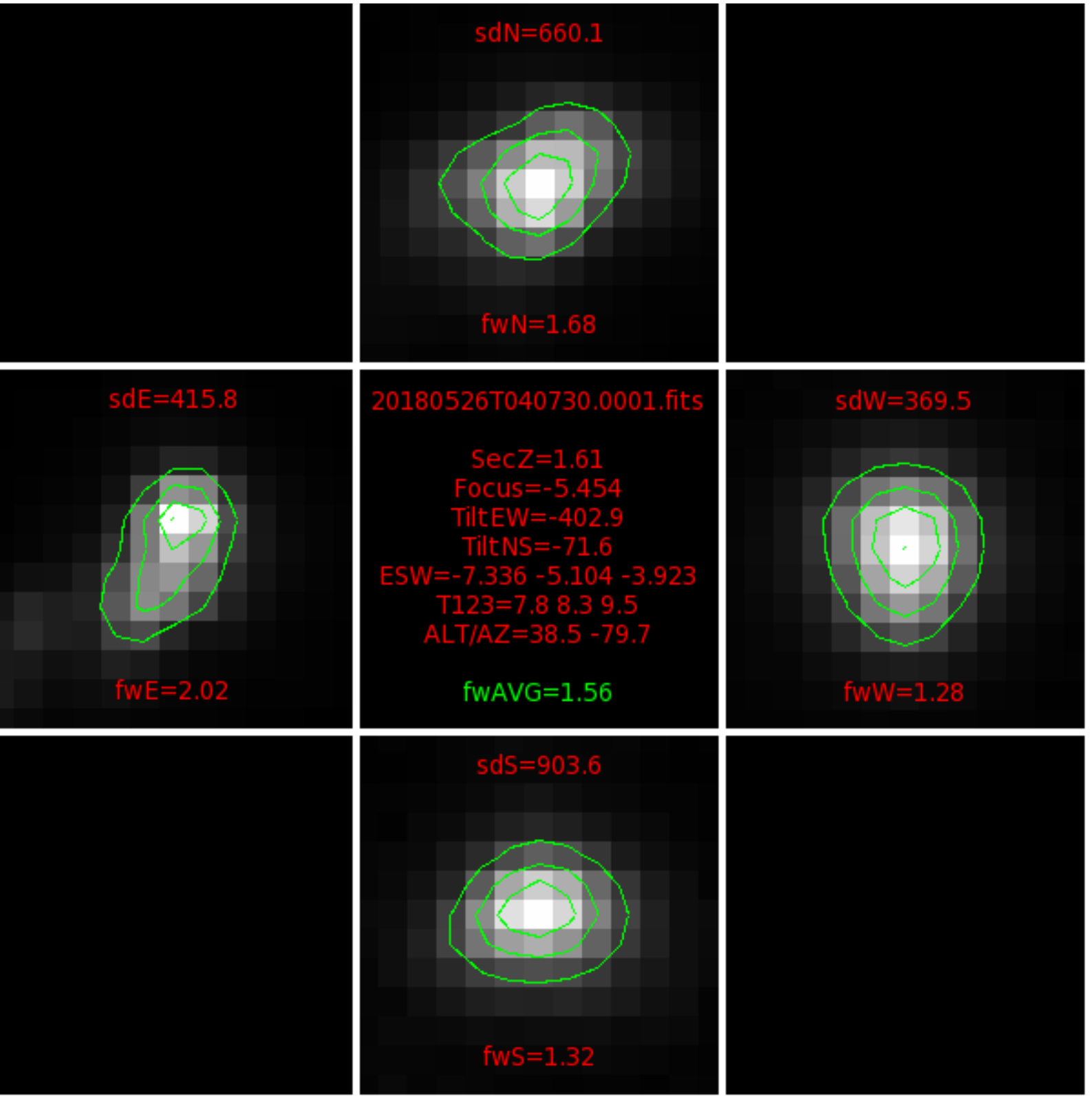
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sdE=415.8
fwE=2.02
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SecZ=1.61
Focus=-5.454
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.336 -5.104 -3.923
T123=7.8 8.3 9.5
ALT/AZ=38.5 -79.7
fwAVG=1.56
sdW=369.5
fwW=1.28
sdS=903.6
fwS=1.32
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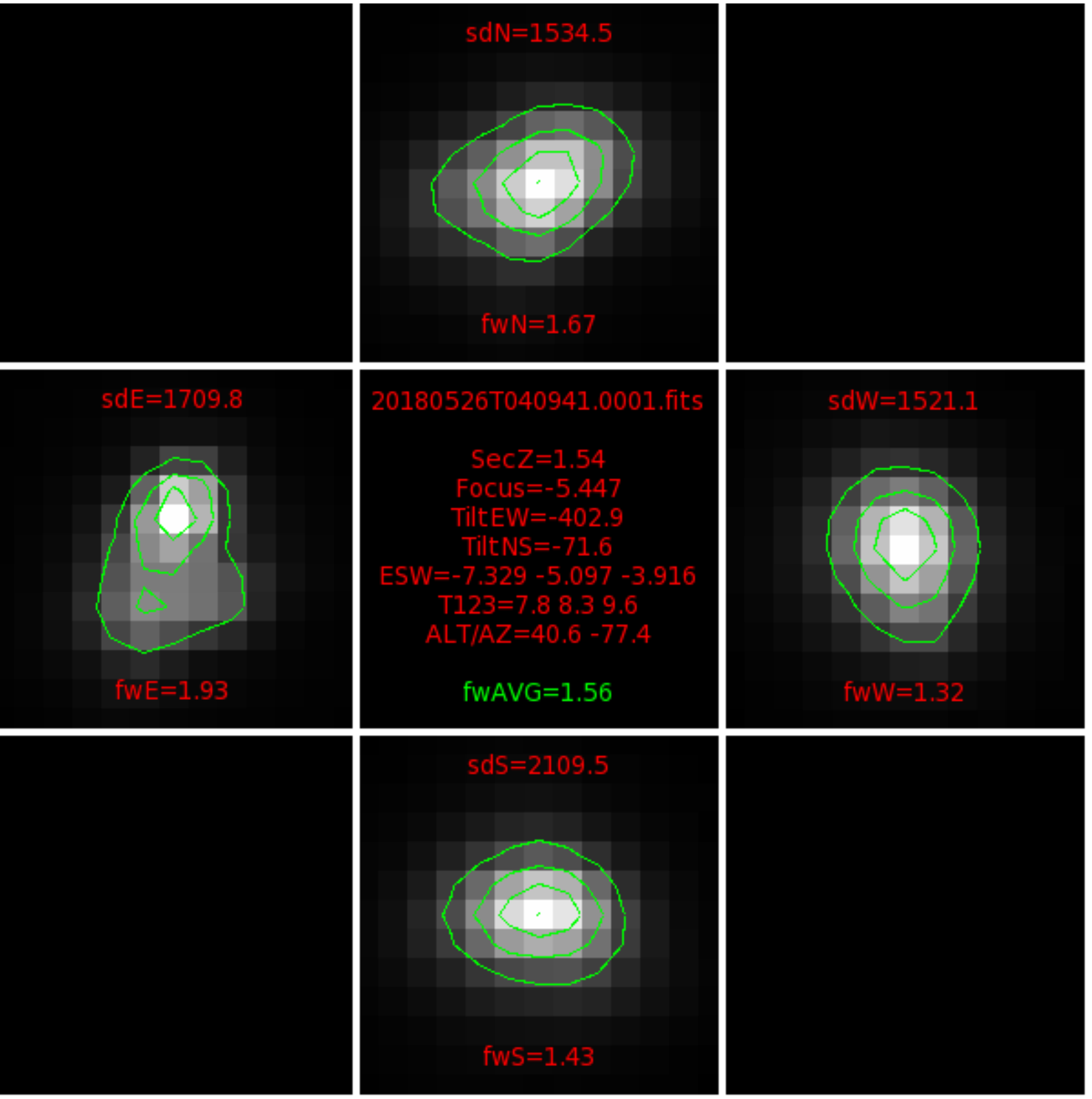
sdN=1534.5
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sdE=1709.8
fwE=1.93
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SecZ=1.54
Focus=-5.447
TiltEW=-402.9
TiltNS=-71.6
ESW=-7.329 -5.097 -3.916
T123=7.8 8.3 9.6
ALT/AZ=40.6 -77.4
fwAVG=1.56
sdW=1521.1
fwW=1.32
sdS=2109.5
fwS=1.43
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