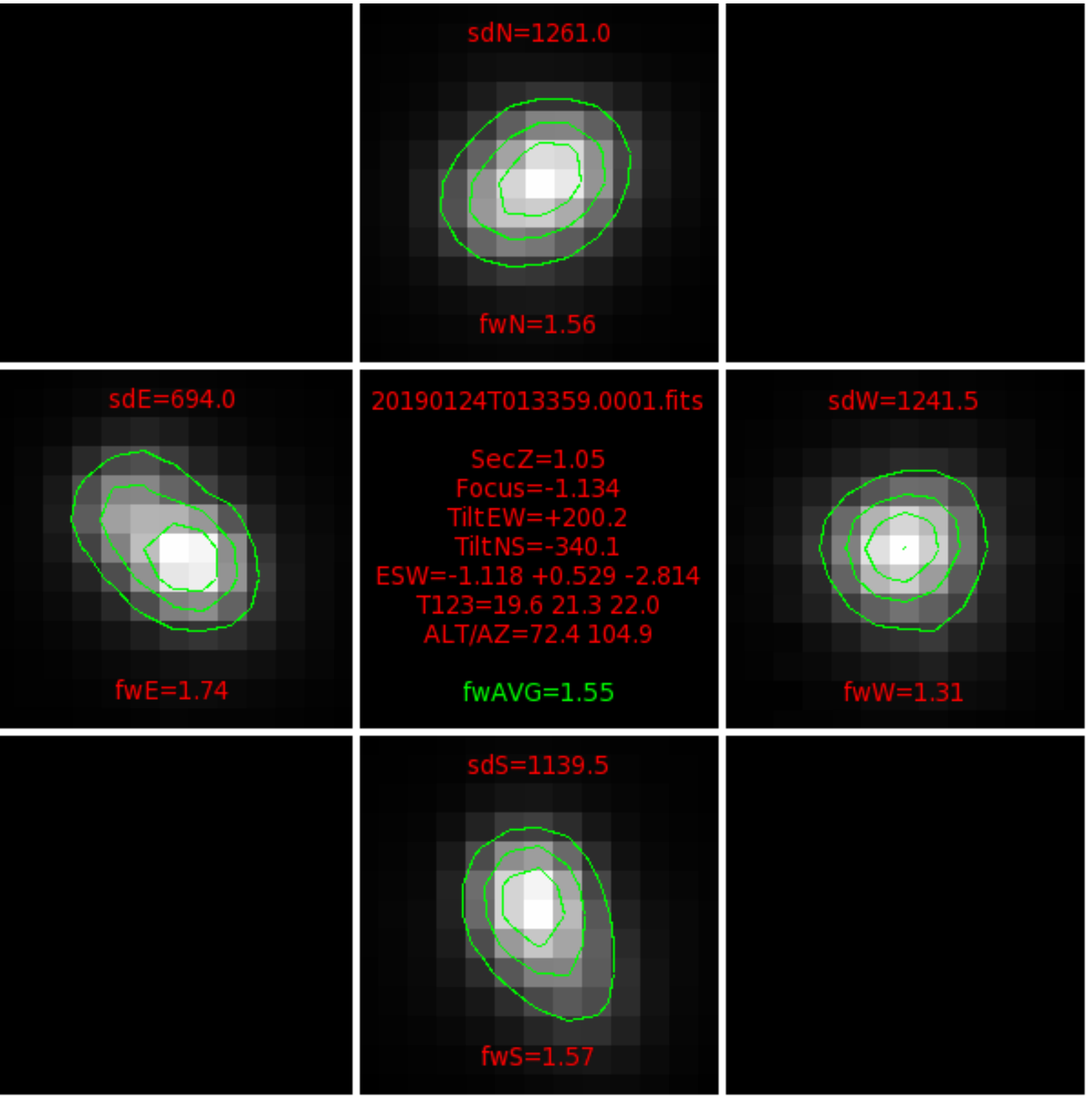
sdN=1261.0
fwN=1.56
sdE=694.0
fwE=1.74
20190124T013359.0001.fits
SecZ=1.05
Focus=-1.134
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.118 +0.529 -2.814
T123=19.6 21.3 22.0
ALT/AZ=72.4 104.9
fwAVG=1.55
sdW=1241.5
fwW=1.31
sdS=1139.5
fwS=1.57
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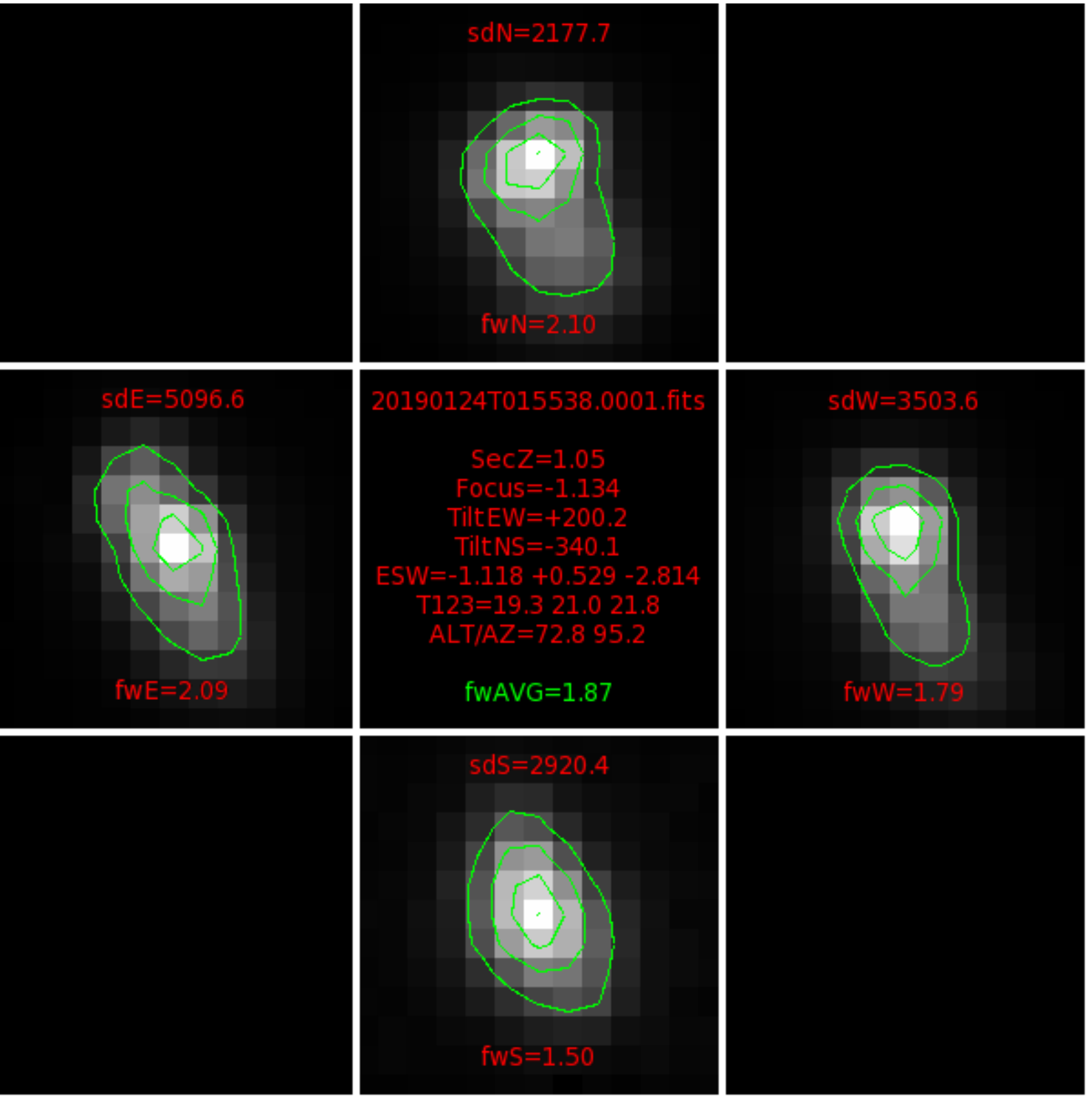
sdN=2177.7
fwN=2.10
sdE=5096.6
fwE=2.09
20190124T015538.0001.fits
SecZ=1.05
Focus=-1.134
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.118 +0.529 -2.814
T123=19.3 21.0 21.8
ALT/AZ=72.8 95.2
fwAVG=1.87
sdW=3503.6
fwW=1.79
sdS=2920.4
fwS=1.50
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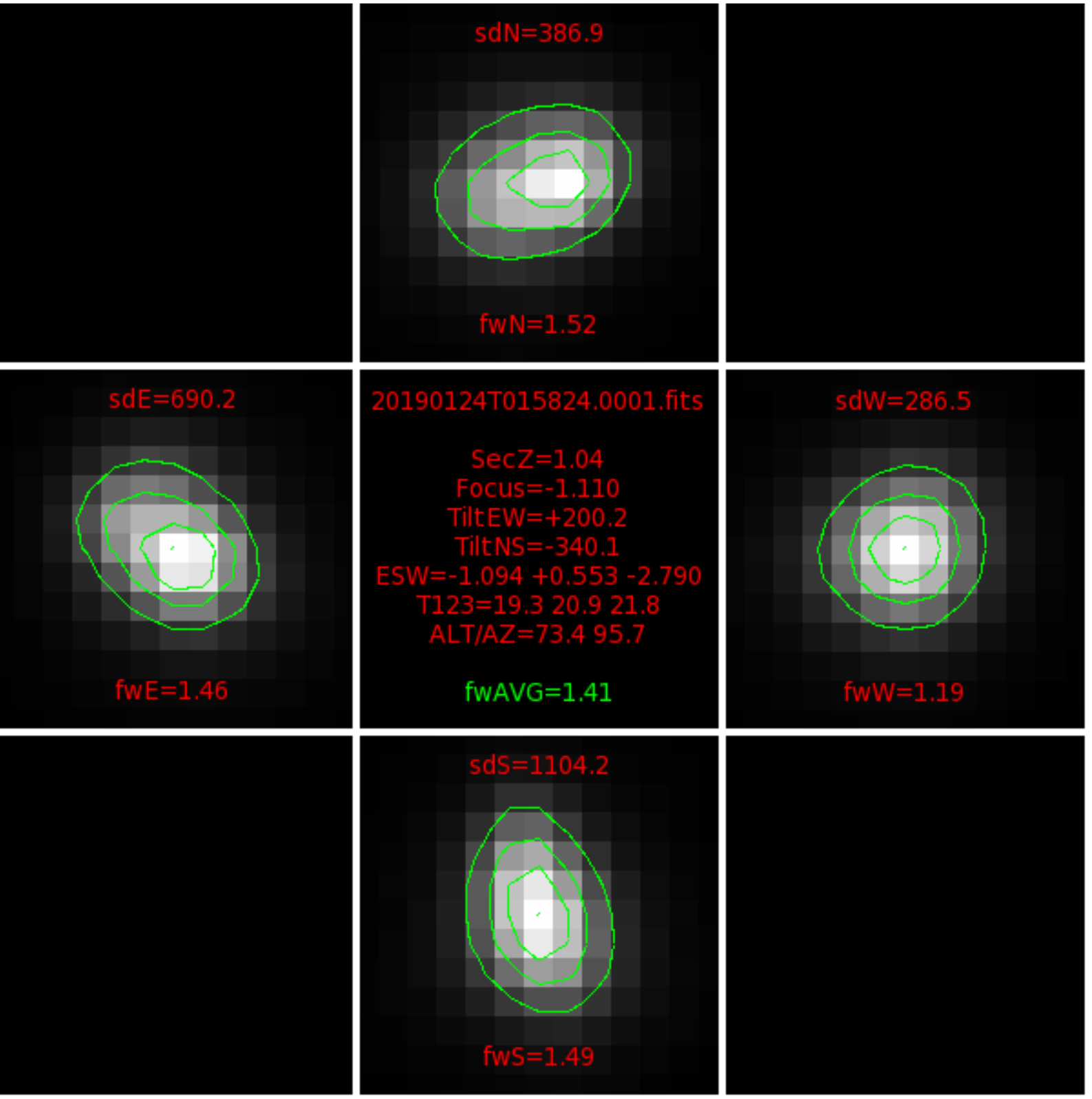
sdN=386.9
fwN=1.52
sdE=690.2
fwE=1.46
20190124T015824.0001.fits
SecZ=1.04
Focus=-1.110
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.094 +0.553 -2.790
T123=19.3 20.9 21.8
ALT/AZ=73.4 95.7
fwAVG=1.41
sdW=286.5
fwW=1.19
sdS=1104.2
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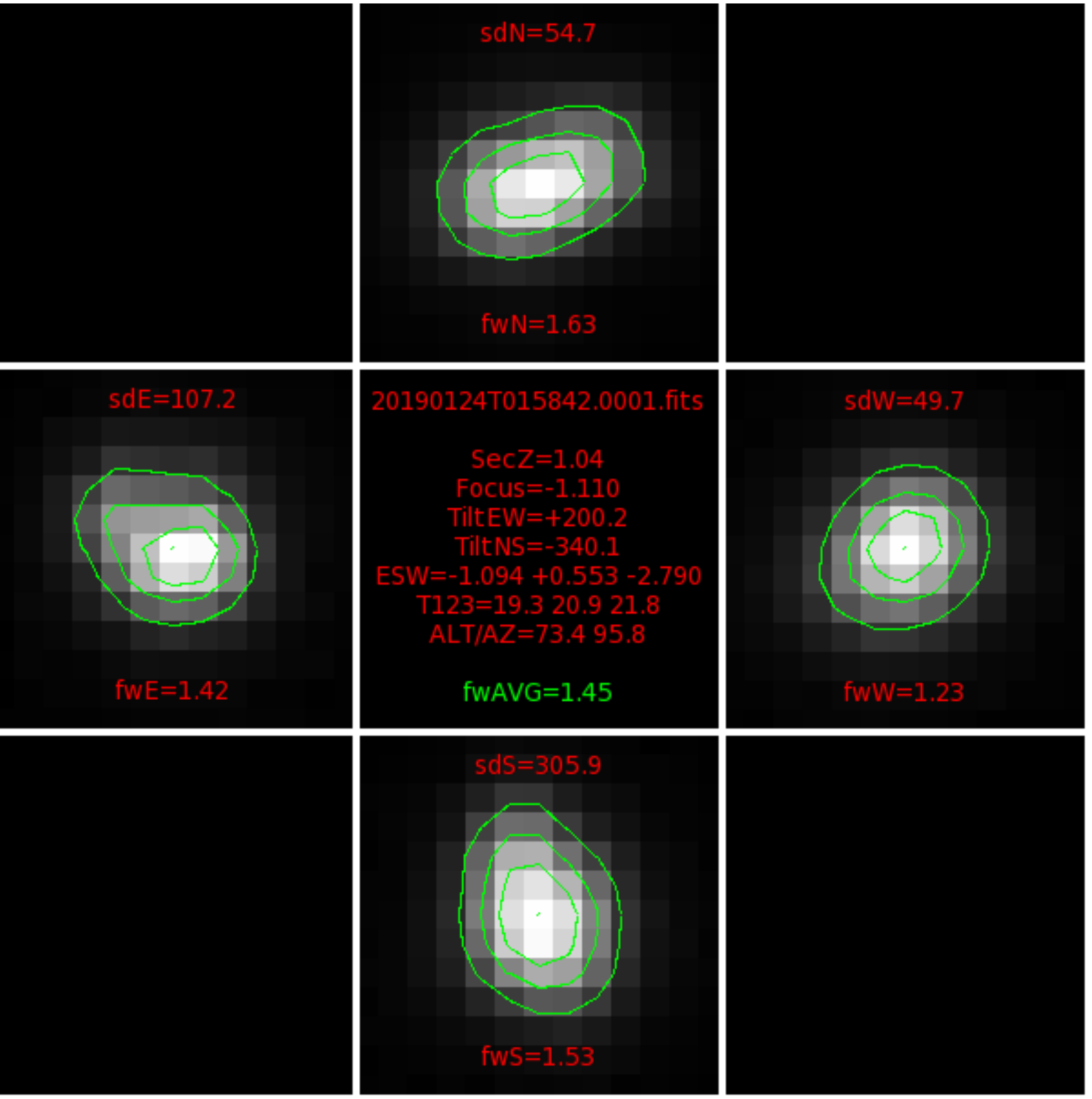
sdN=54.7
fwN=1.63
sdE=107.2
fwE=1.42
20190124T015842.0001.fits
SecZ=1.04
Focus=-1.110
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.094 +0.553 -2.790
T123=19.3 20.9 21.8
ALT/AZ=73.4 95.8
fwAVG=1.45
sdW=49.7
fwW=1.23
sdS=305.9
fwS=1.53
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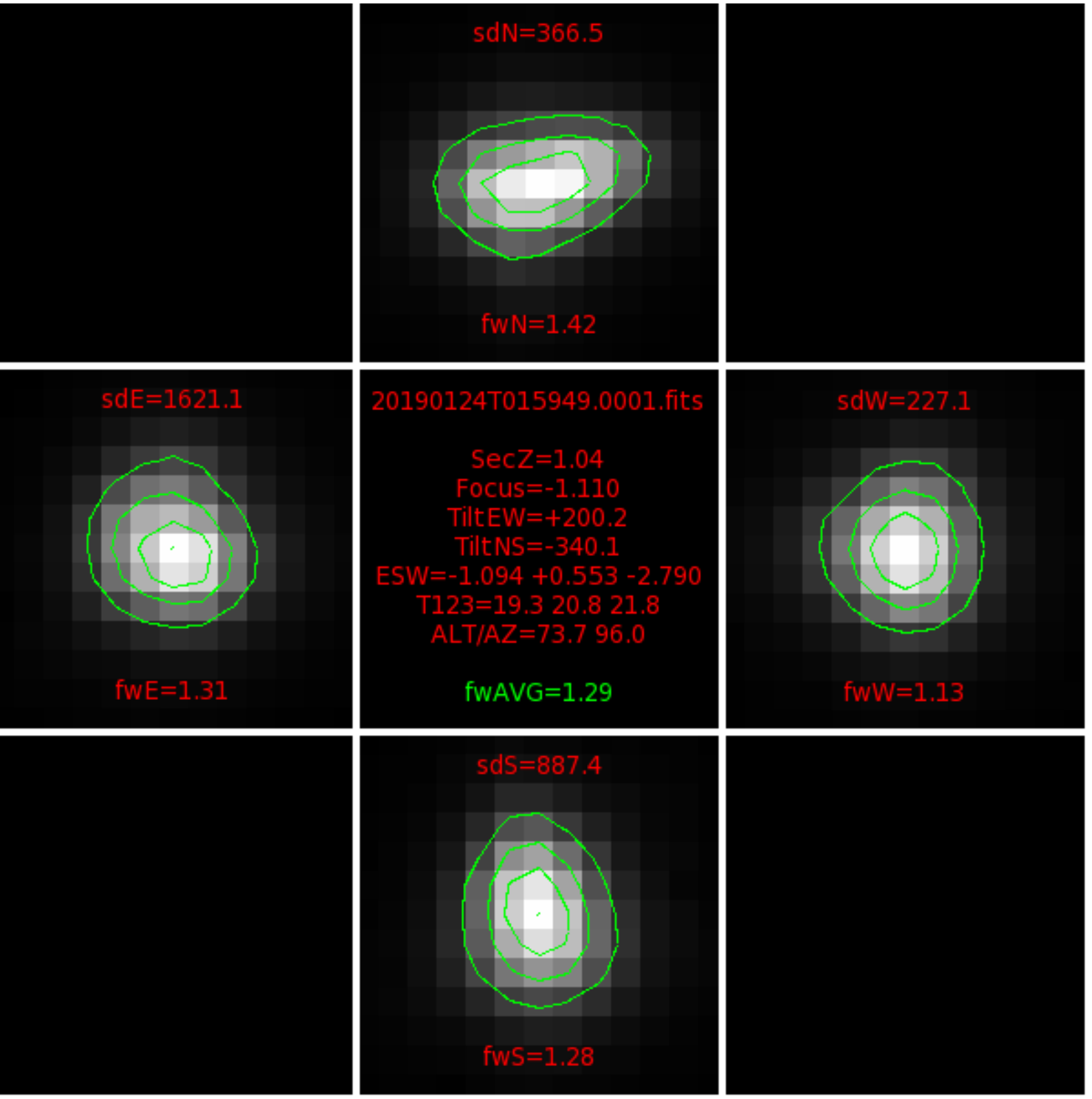
sdN=366.5
fwN=1.42
sdE=1621.1
fwE=1.31
20190124T015949.0001.fits
SecZ=1.04
Focus=-1.110
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.094 +0.553 -2.790
T123=19.3 20.8 21.8
ALT/AZ=73.7 96.0
fwAVG=1.29
sdW=227.1
fwW=1.13
sdS=887.4
fwS=1.28
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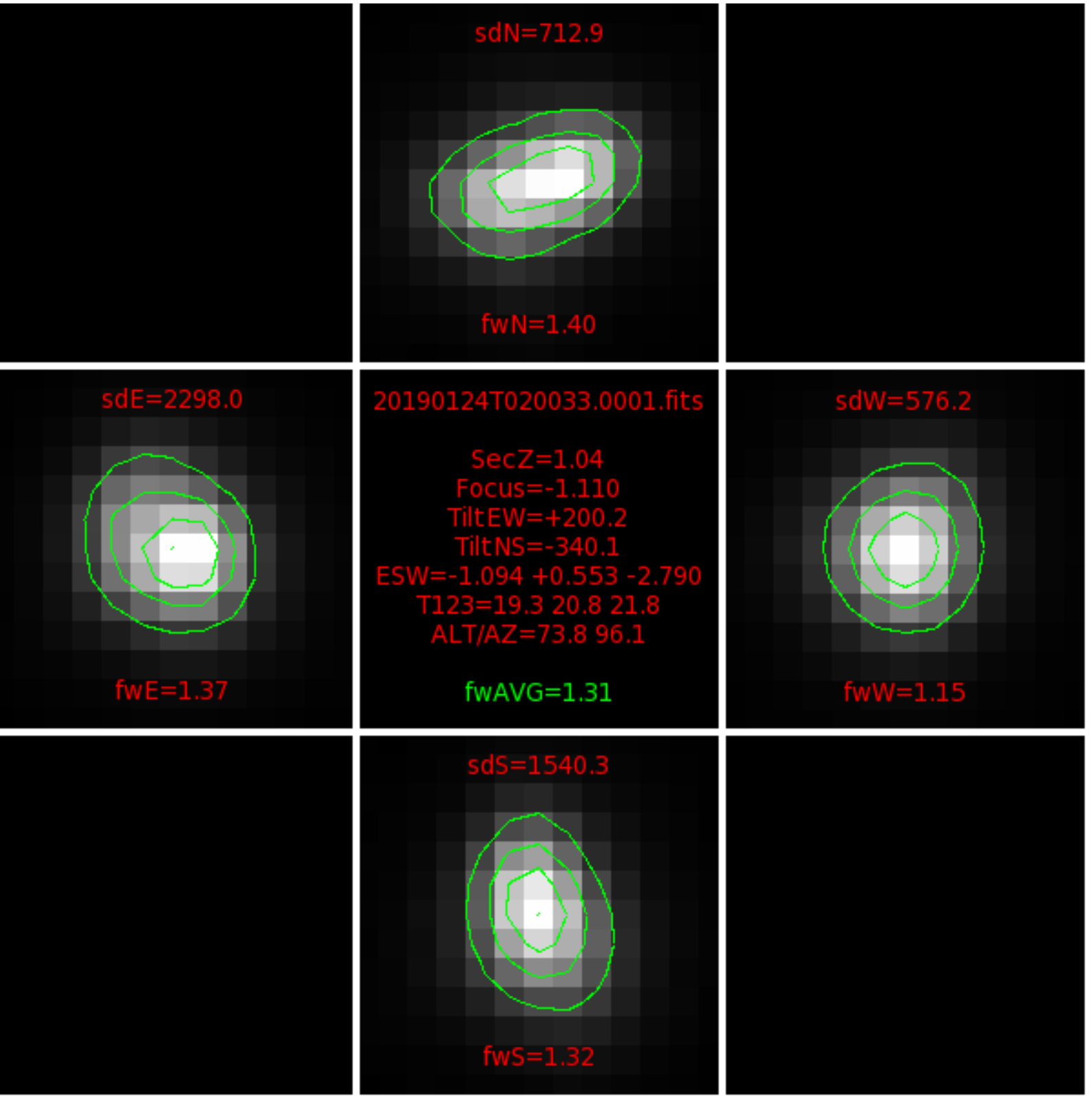
sdN=712.9
fwN=1.40
sdE=2298.0
fwE=1.37
20190124T020033.0001.fits
SecZ=1.04
Focus=-1.110
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.094 +0.553 -2.790
T123=19.3 20.8 21.8
ALT/AZ=73.8 96.1
fwAVG=1.31
sdW=576.2
fwW=1.15
sdS=1540.3
fwS=1.32
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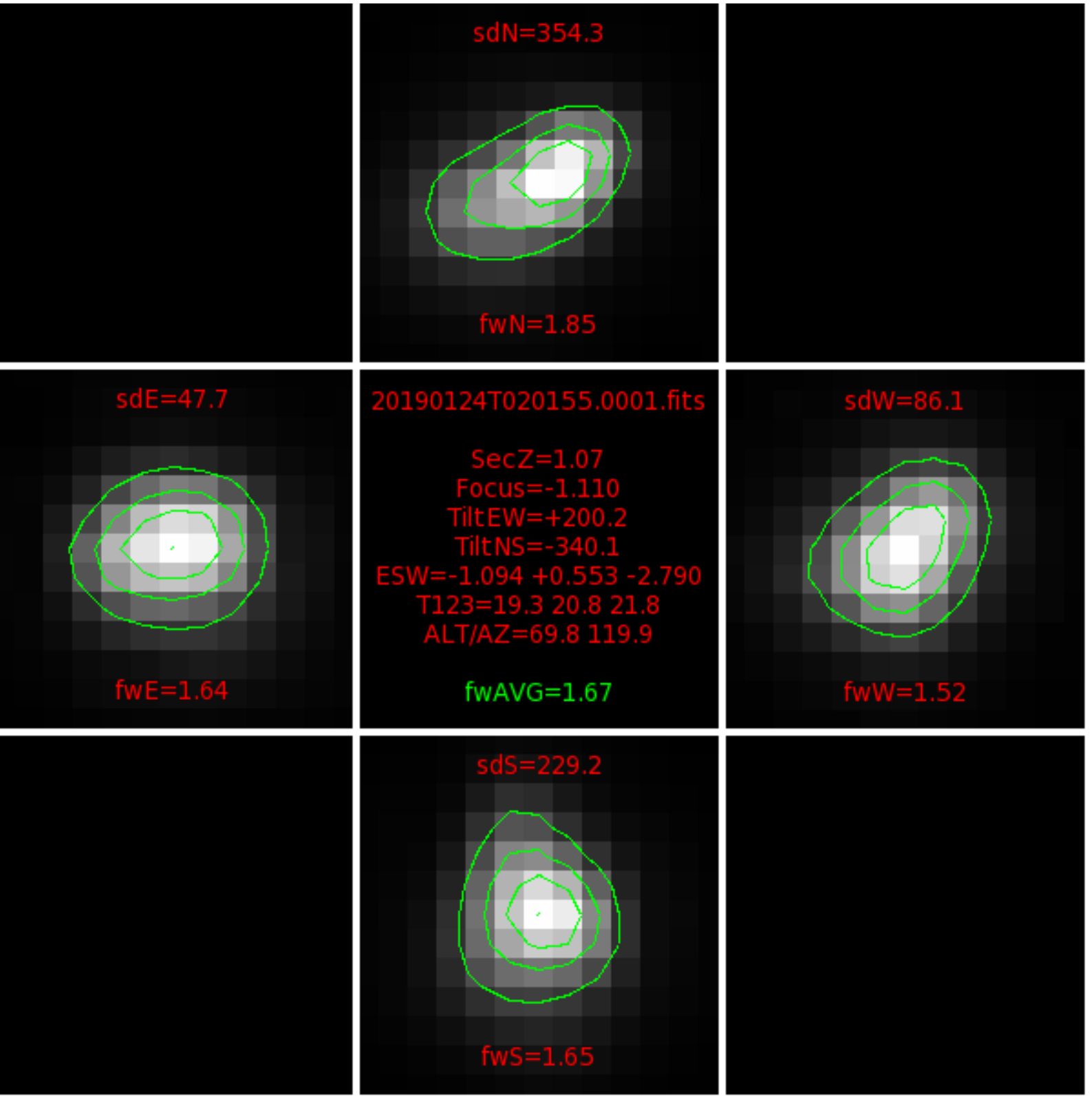
sdN=354.3
fwN=1.85
sdE=47.7
fwE=1.64
20190124T020155.0001.fits
SecZ=1.07
Focus=-1.110
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.094 +0.553 -2.790
T123=19.3 20.8 21.8
ALT/AZ=69.8 119.9
fwAVG=1.67
sdW=86.1
fwW=1.52
sdS=229.2
fwS=1.65
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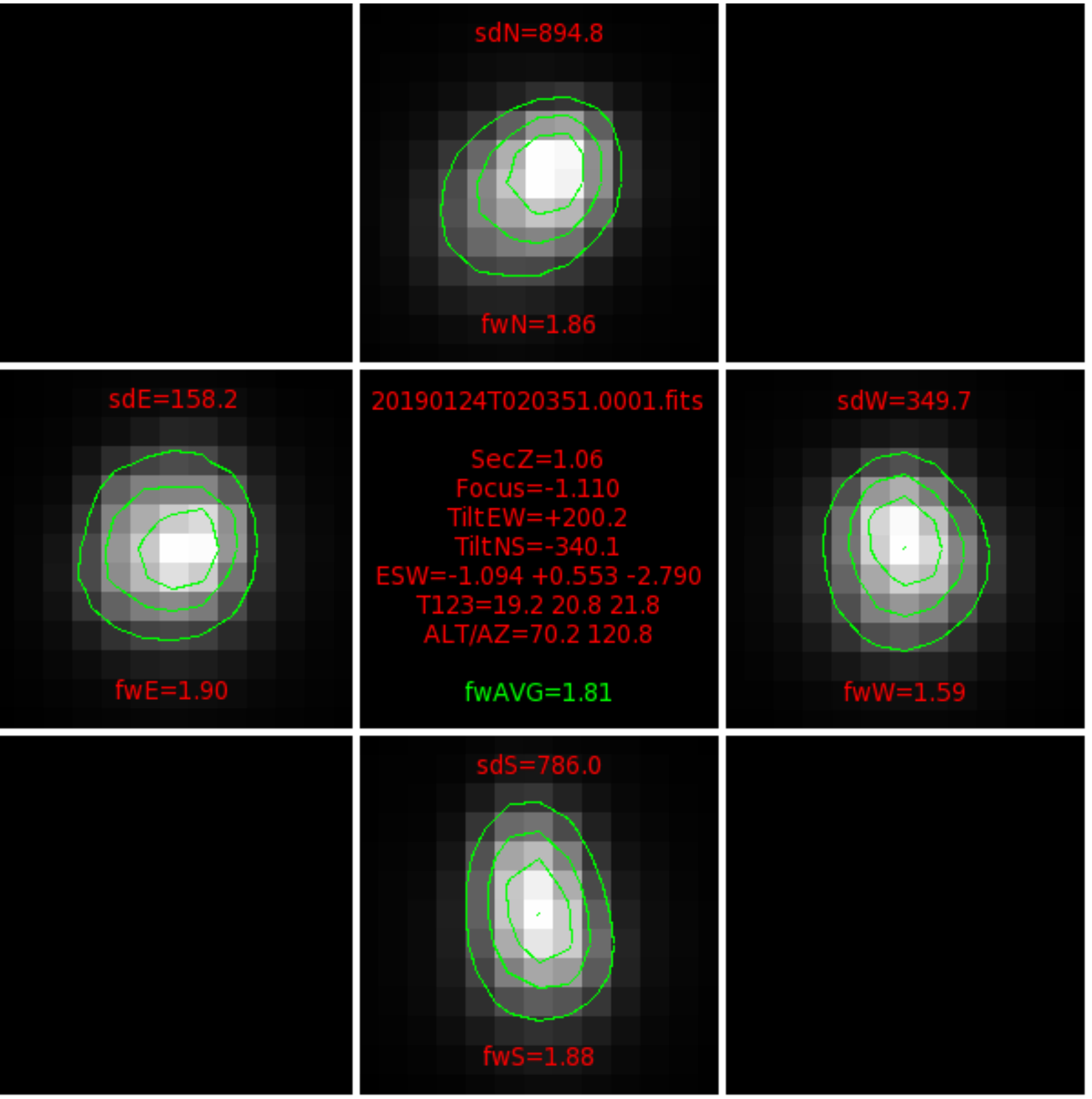
sdN=894.8
fwN=1.86
sdE=158.2
fwE=1.90
20190124T020351.0001.fits
SecZ=1.06
Focus=-1.110
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.094 +0.553 -2.790
T123=19.2 20.8 21.8
ALT/AZ=70.2 120.8
fwAVG=1.81
sdW=349.7
fwW=1.59
sdS=786.0
fwS=1.88
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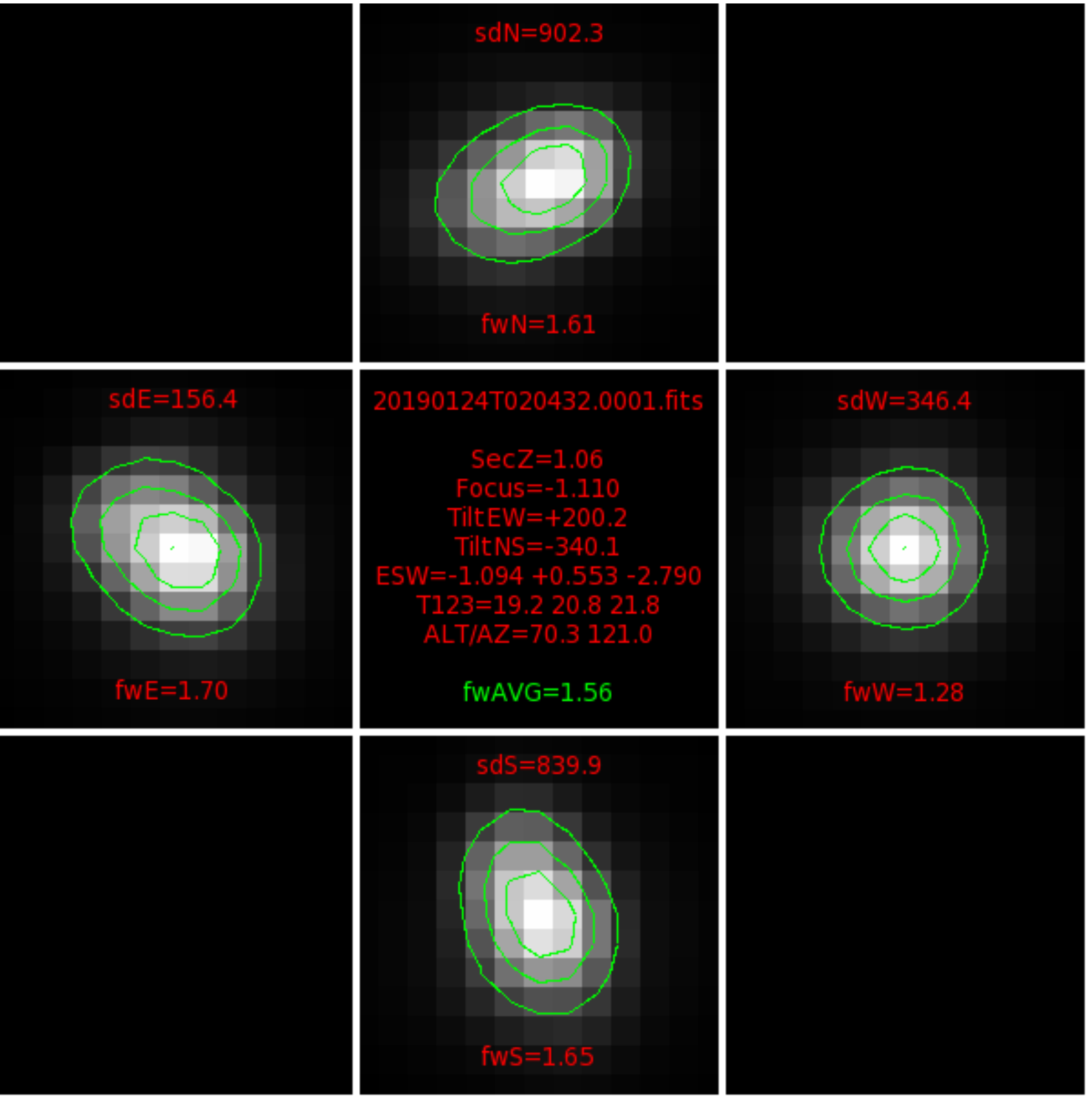
sdN=902.3
fwN=1.61
sdE=156.4
fwE=1.70
20190124T020432.0001.fits
SecZ=1.06
Focus=-1.110
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.094 +0.553 -2.790
T123=19.2 20.8 21.8
ALT/AZ=70.3 121.0
fwAVG=1.56
sdW=346.4
fwW=1.28
sdS=839.9
fwS=1.65
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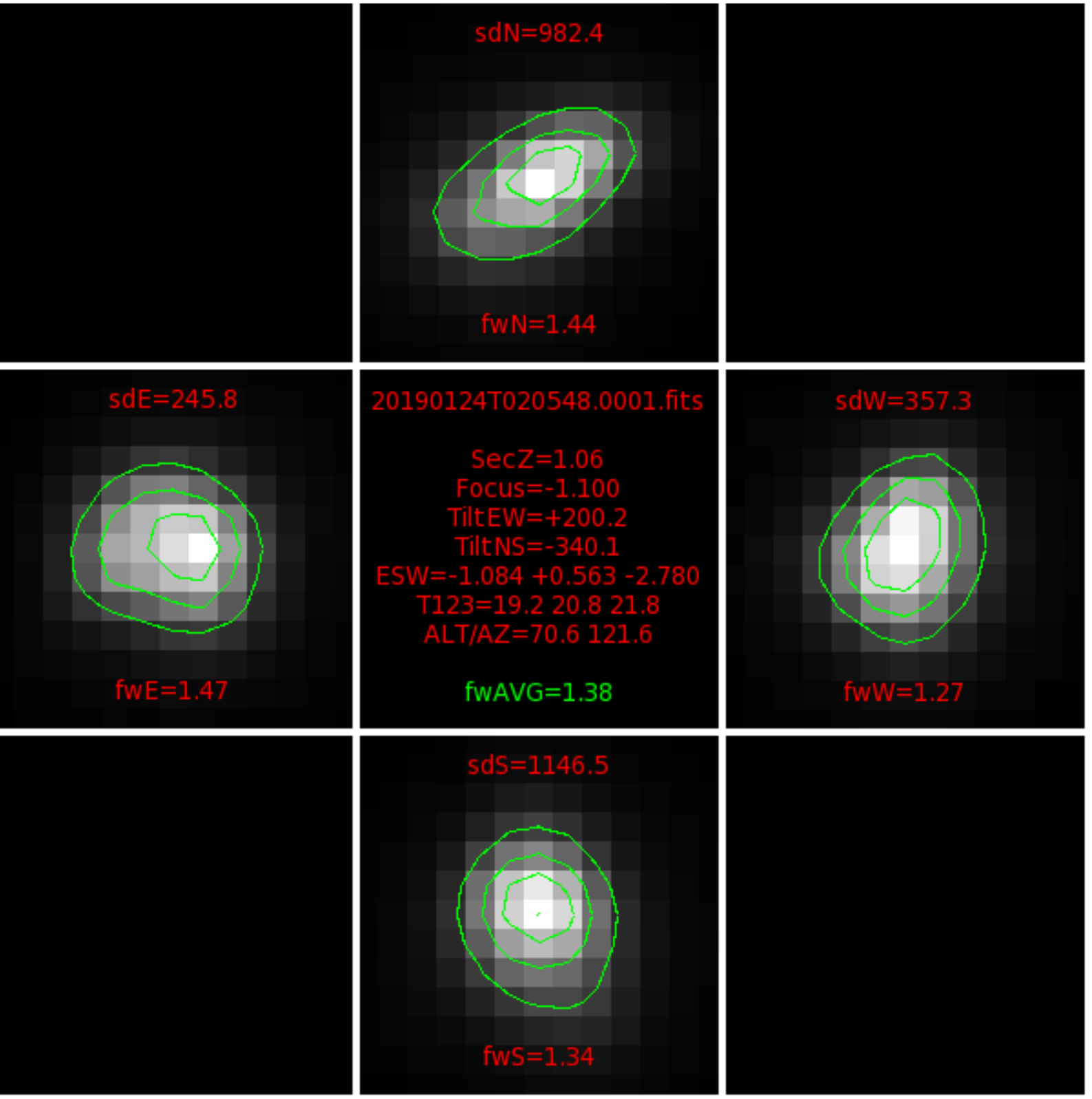
sdN=982.4
fwN=1.44
sdE=245.8
fwE=1.47
20190124T020548.0001.fits
SecZ=1.06
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=19.2 20.8 21.8
ALT/AZ=70.6 121.6
fwAVG=1.38
sdW=357.3
fwW=1.27
sdS=1146.5
fwS=1.34
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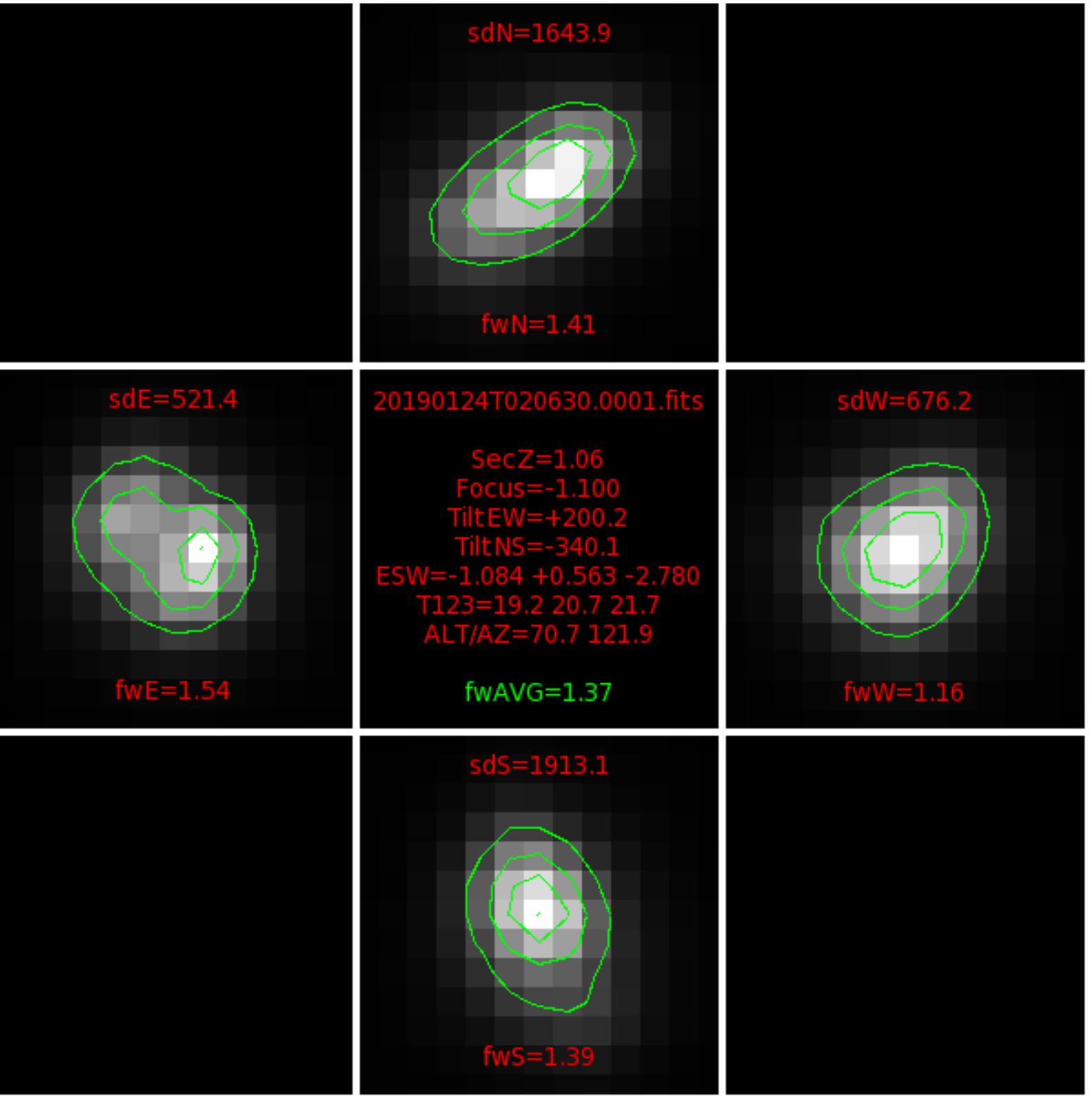
sdN=1643.9
fwN=1.41
sdE=521.4
fwE=1.54
20190124T020630.0001.fits
SecZ=1.06
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=19.2 20.7 21.7
ALT/AZ=70.7 121.9
fwAVG=1.37
sdW=676.2
fwW=1.16
sdS=1913.1
fwS=1.39
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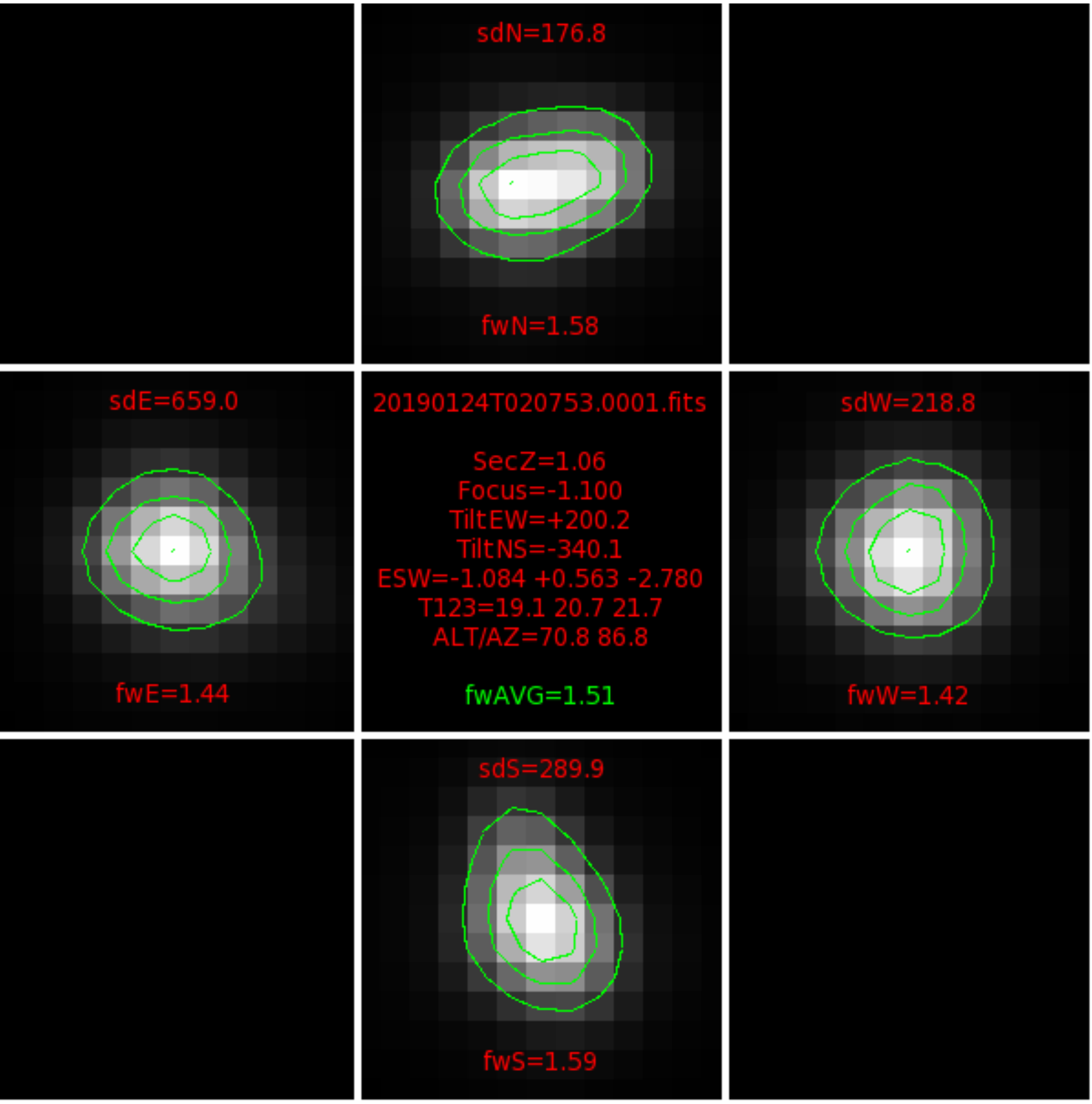
sdN=176.8
fwN=1.58
sdE=659.0
fwE=1.44
20190124T020753.0001.fits
SecZ=1.06
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=19.1 20.7 21.7
ALT/AZ=70.8 86.8
fwAVG=1.51
sdW=218.8
fwW=1.42
sdS=289.9
fwS=1.59
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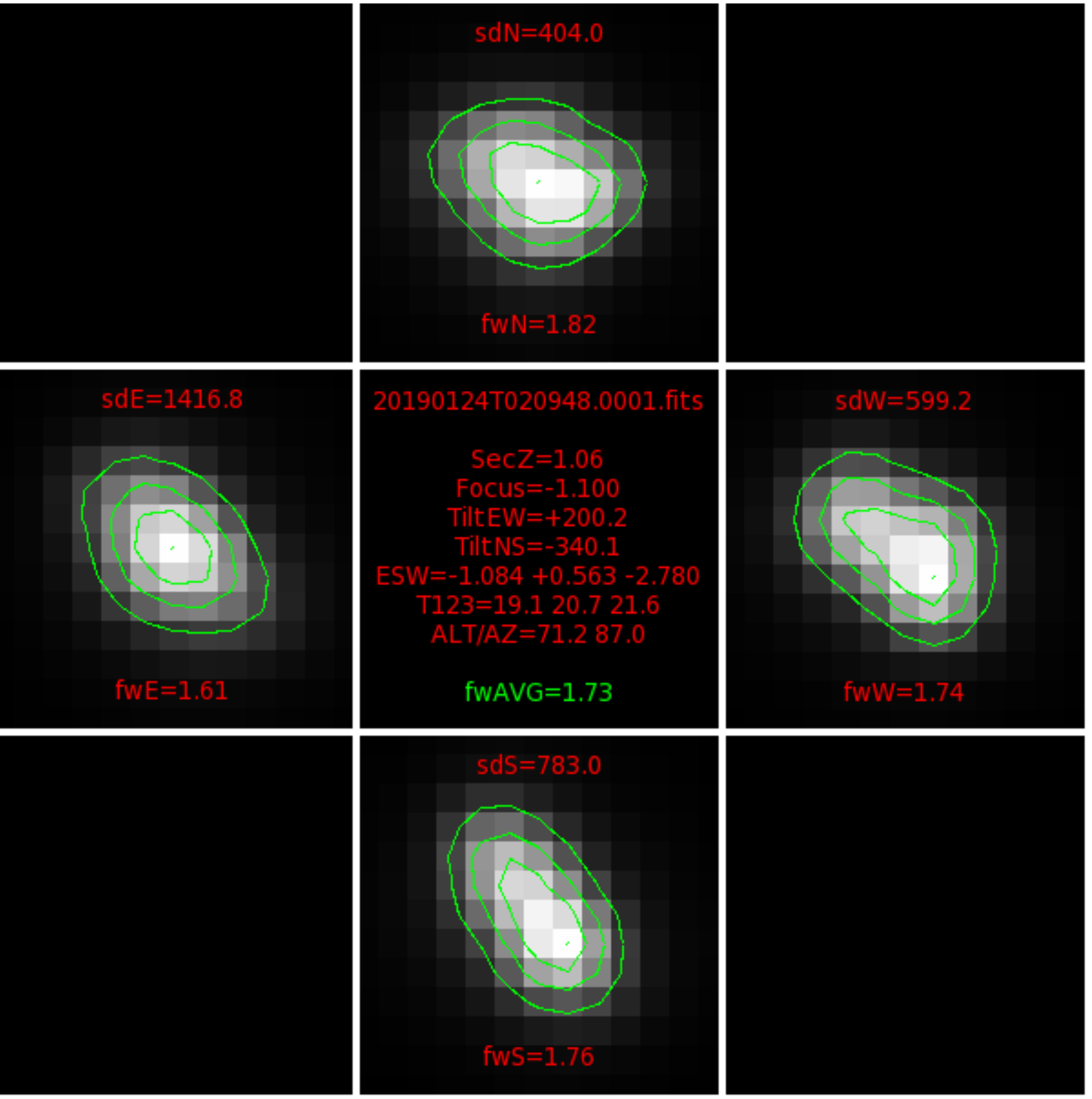
sdN=404.0
fwN=1.82
sdE=1416.8
fwE=1.61
20190124T020948.0001.fits
SecZ=1.06
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=19.1 20.7 21.6
ALT/AZ=71.2 87.0
fwAVG=1.73
sdW=599.2
fwW=1.74
sdS=783.0
fwS=1.76
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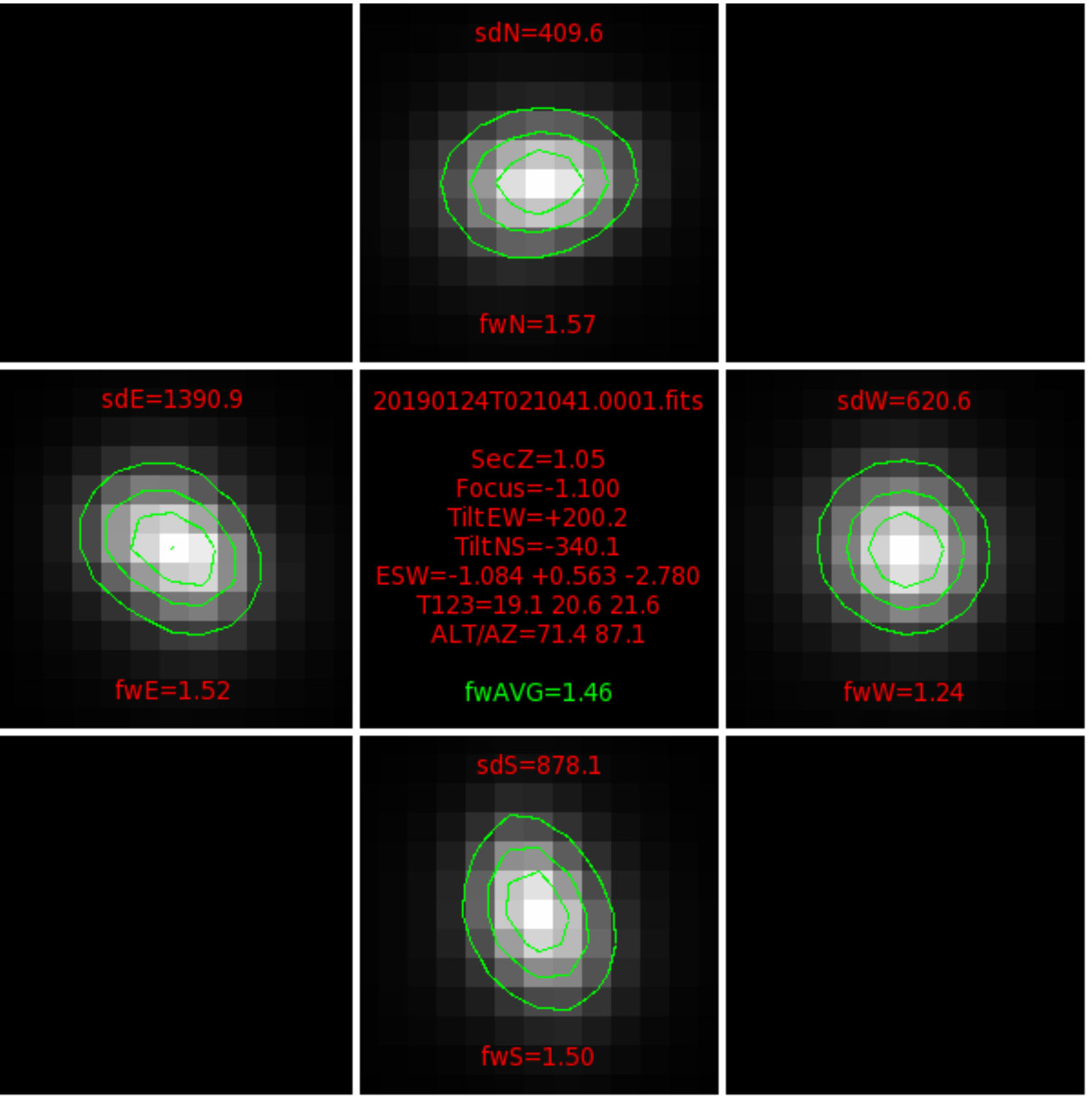
sdN=409.6
fwN=1.57
sdE=1390.9
fwE=1.52
20190124T021041.0001.fits
SecZ=1.05
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=19.1 20.6 21.6
ALT/AZ=71.4 87.1
fwAVG=1.46
sdW=620.6
fwW=1.24
sdS=878.1
fwS=1.50
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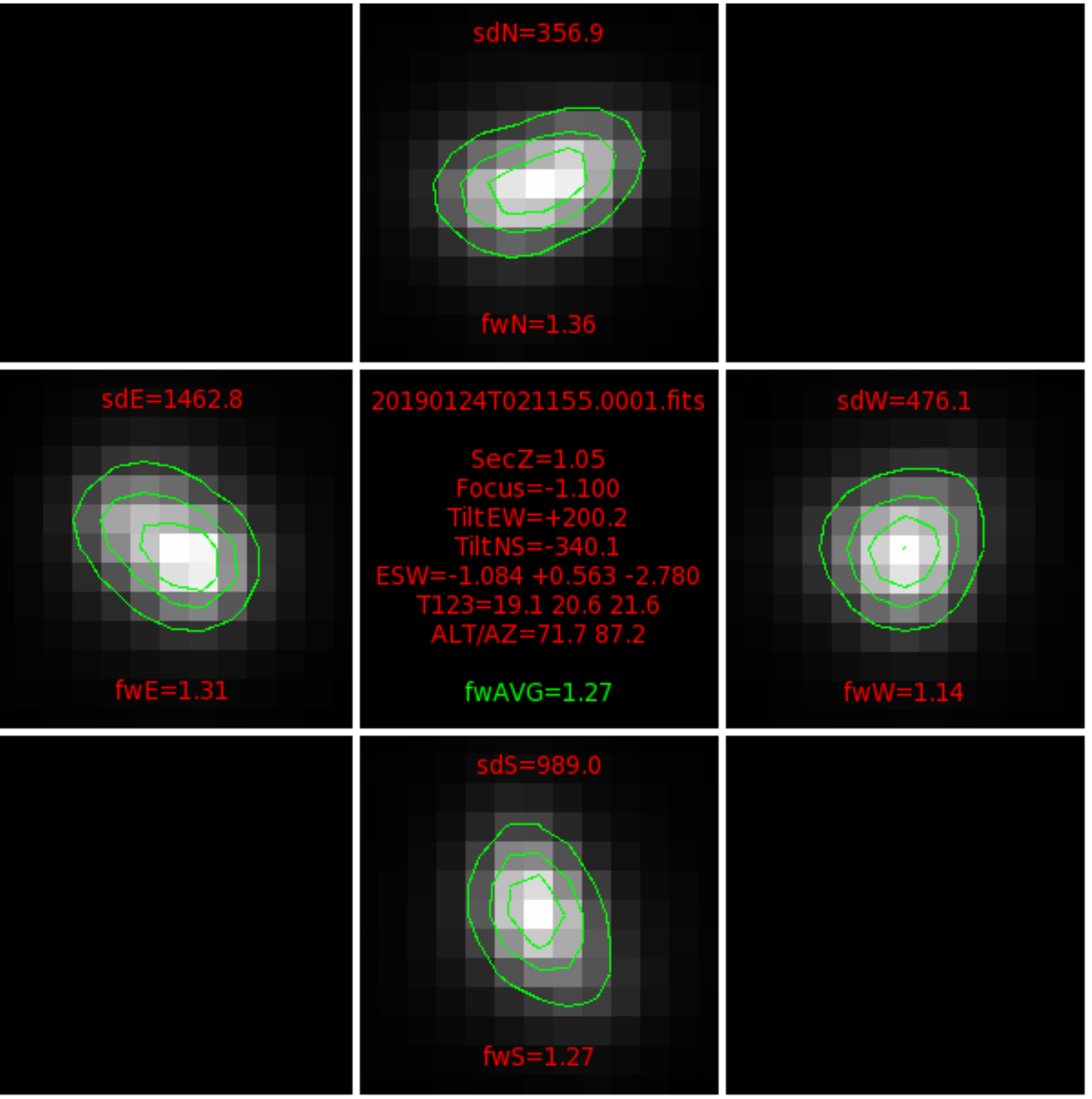
sdN=356.9
fwN=1.36
sdE=1462.8
fwE=1.31
20190124T021155.0001.fits
SecZ=1.05
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=19.1 20.6 21.6
ALT/AZ=71.7 87.2
fwAVG=1.27
sdW=476.1
fwW=1.14
sdS=989.0
fwS=1.27
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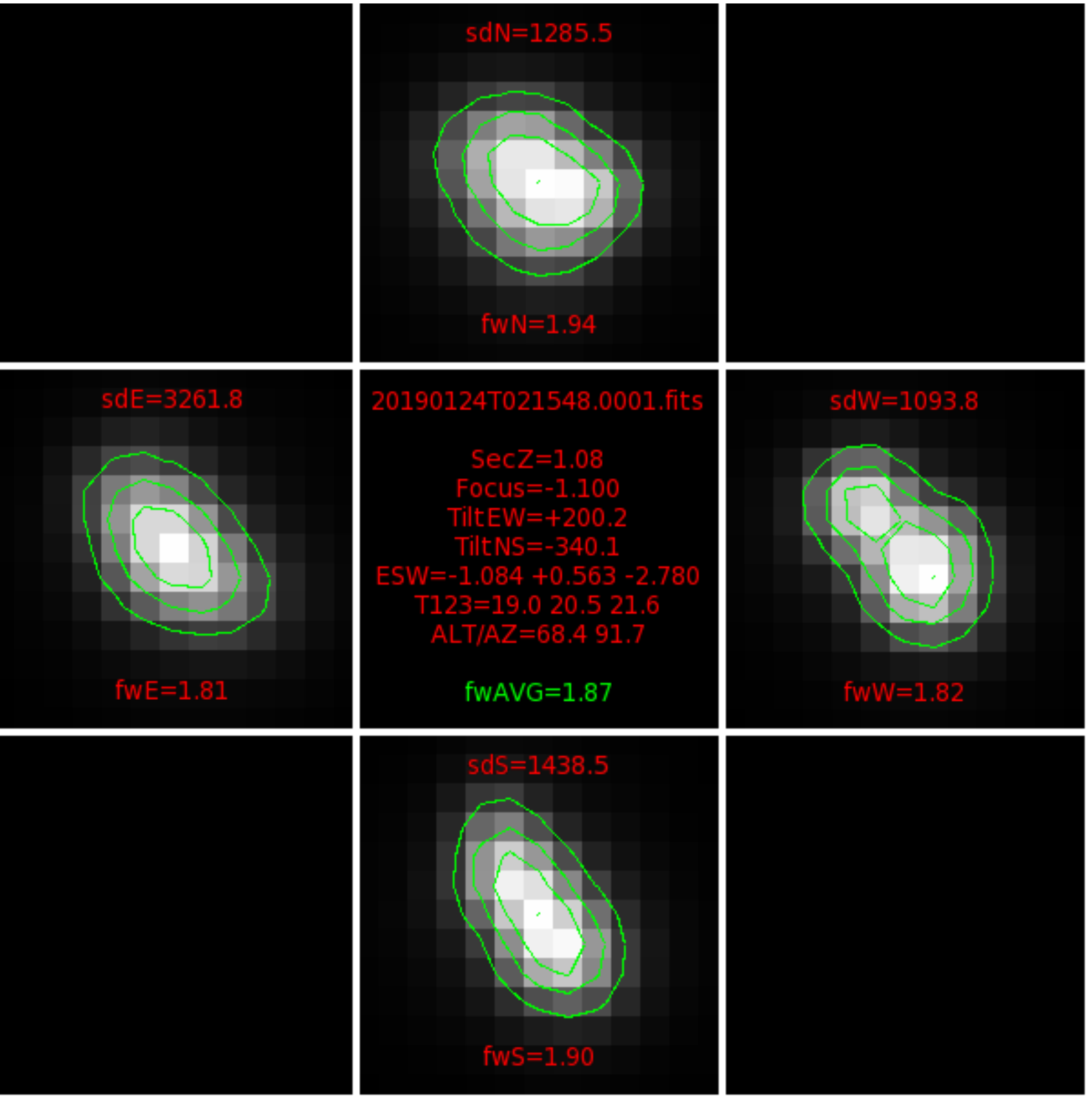
sdN=1285.5
fwN=1.94
sdE=3261.8
fwE=1.81
20190124T021548.0001.fits
SecZ=1.08
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=19.0 20.5 21.6
ALT/AZ=68.4 91.7
fwAVG=1.87
sdW=1093.8
fwW=1.82
sdS=1438.5
fwS=1.90
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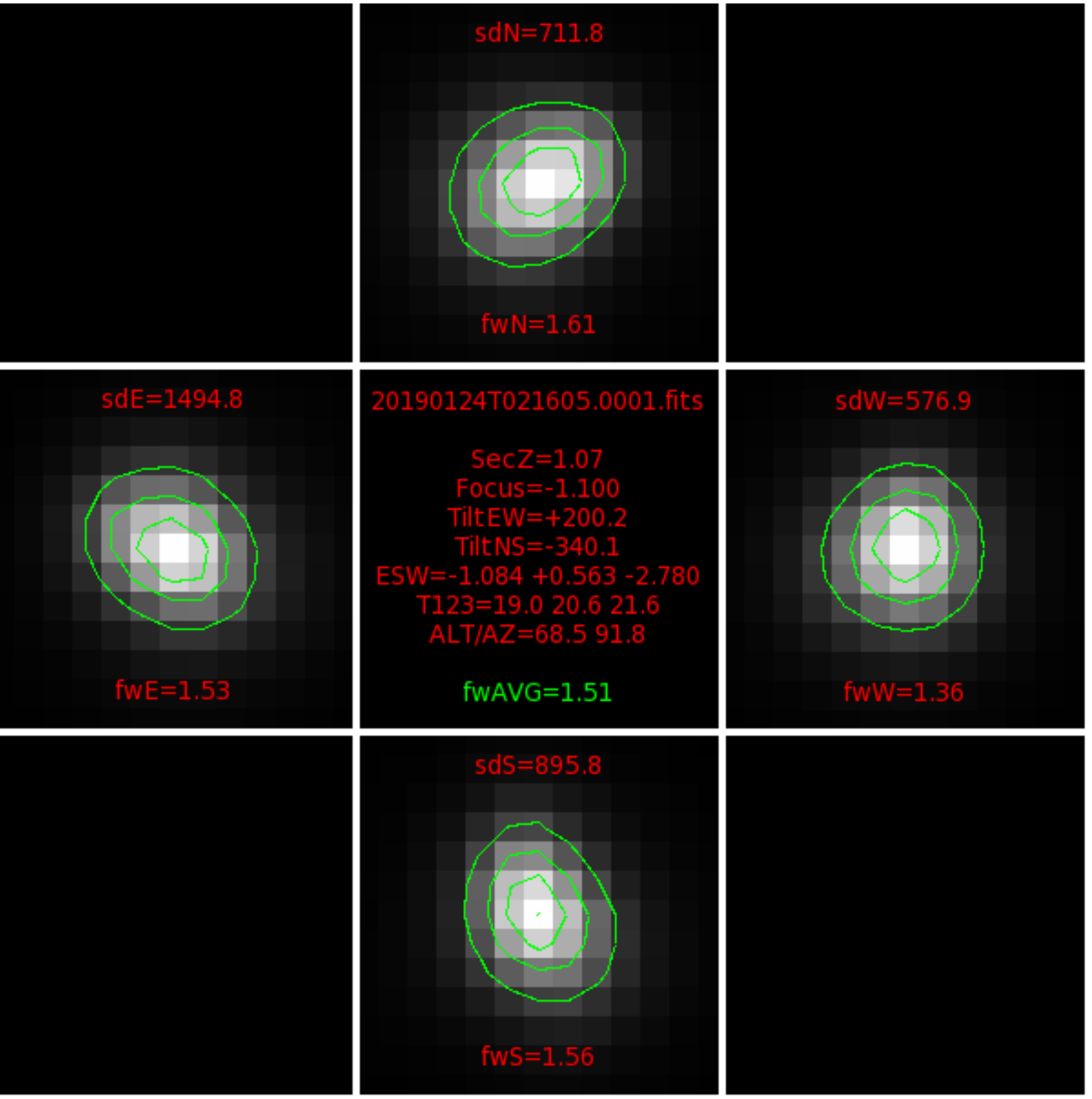
sdN=711.8
fwN=1.61
sdE=1494.8
fwE=1.53
20190124T021605.0001.fits
SecZ=1.07
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=19.0 20.6 21.6
ALT/AZ=68.5 91.8
fwAVG=1.51
sdW=576.9
fwW=1.36
sdS=895.8
fwS=1.56
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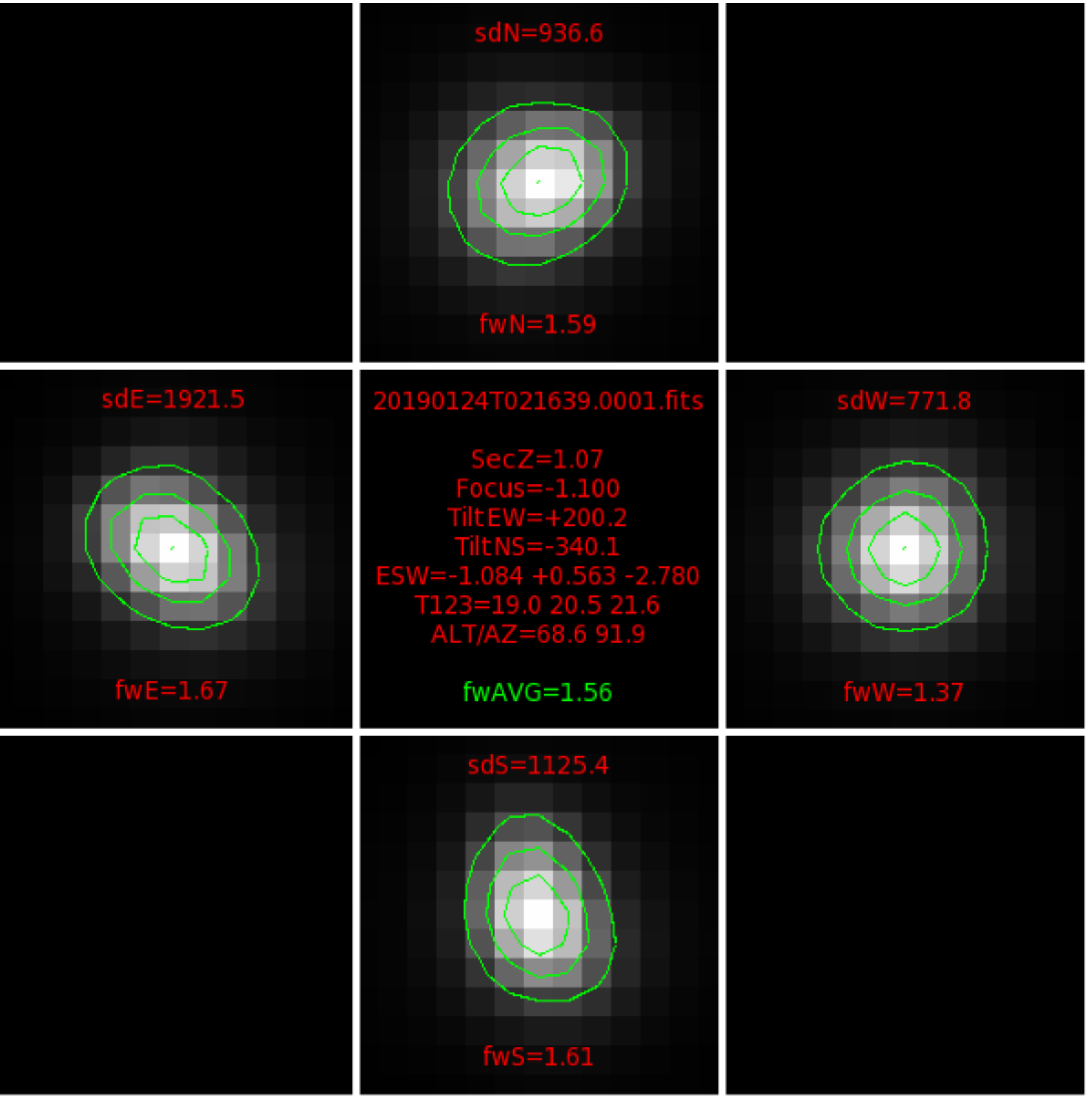
sdN=936.6
fwN=1.59
sdE=1921.5
fwE=1.67
20190124T021639.0001.fits
SecZ=1.07
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=19.0 20.5 21.6
ALT/AZ=68.6 91.9
fwAVG=1.56
sdW=771.8
fwW=1.37
sdS=1125.4
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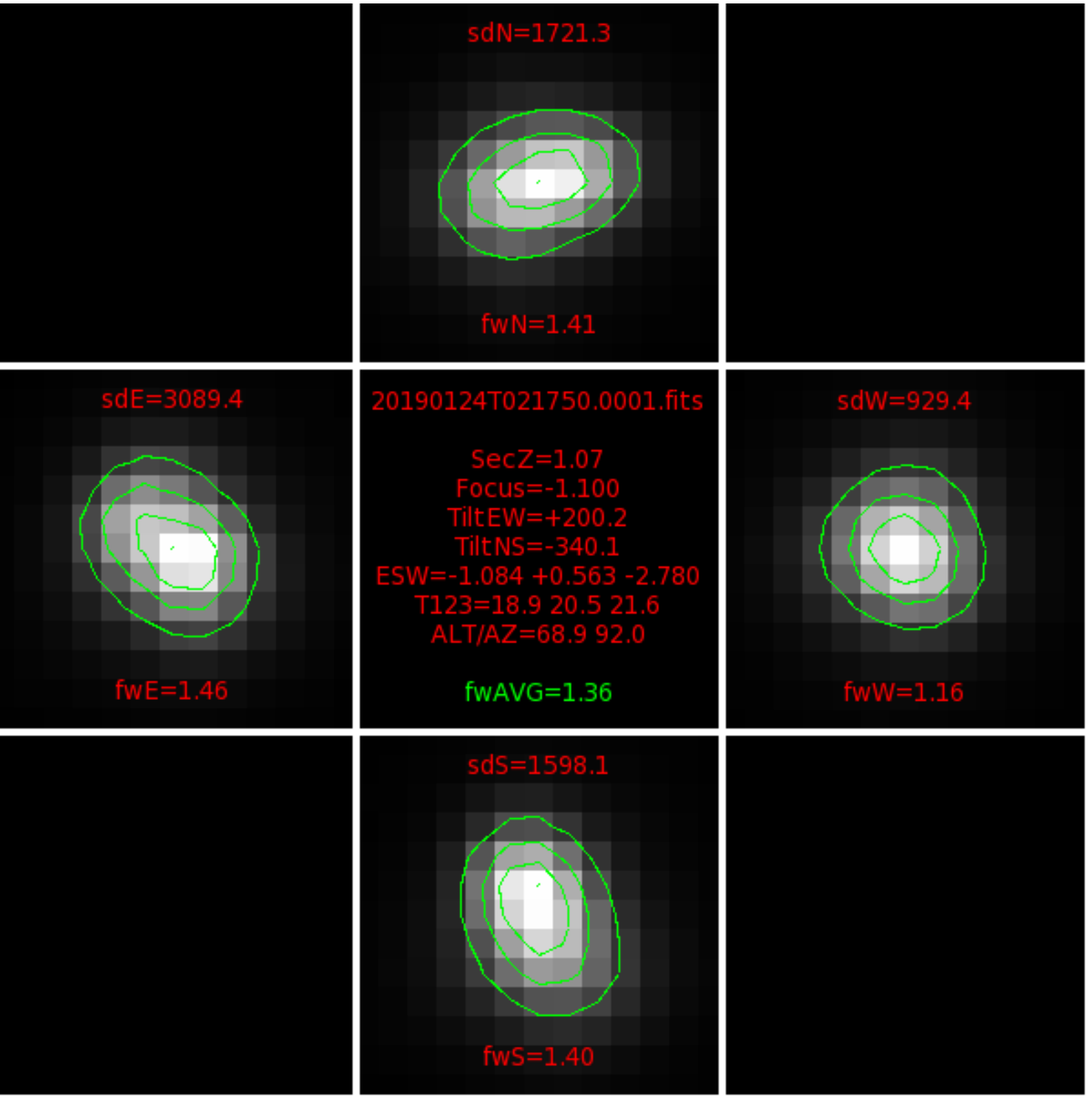
sdN=1721.3
fwN=1.41
sdE=3089.4
fwE=1.46
20190124T021750.0001.fits
SecZ=1.07
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.9 20.5 21.6
ALT/AZ=68.9 92.0
fwAVG=1.36
sdW=929.4
fwW=1.16
sdS=1598.1
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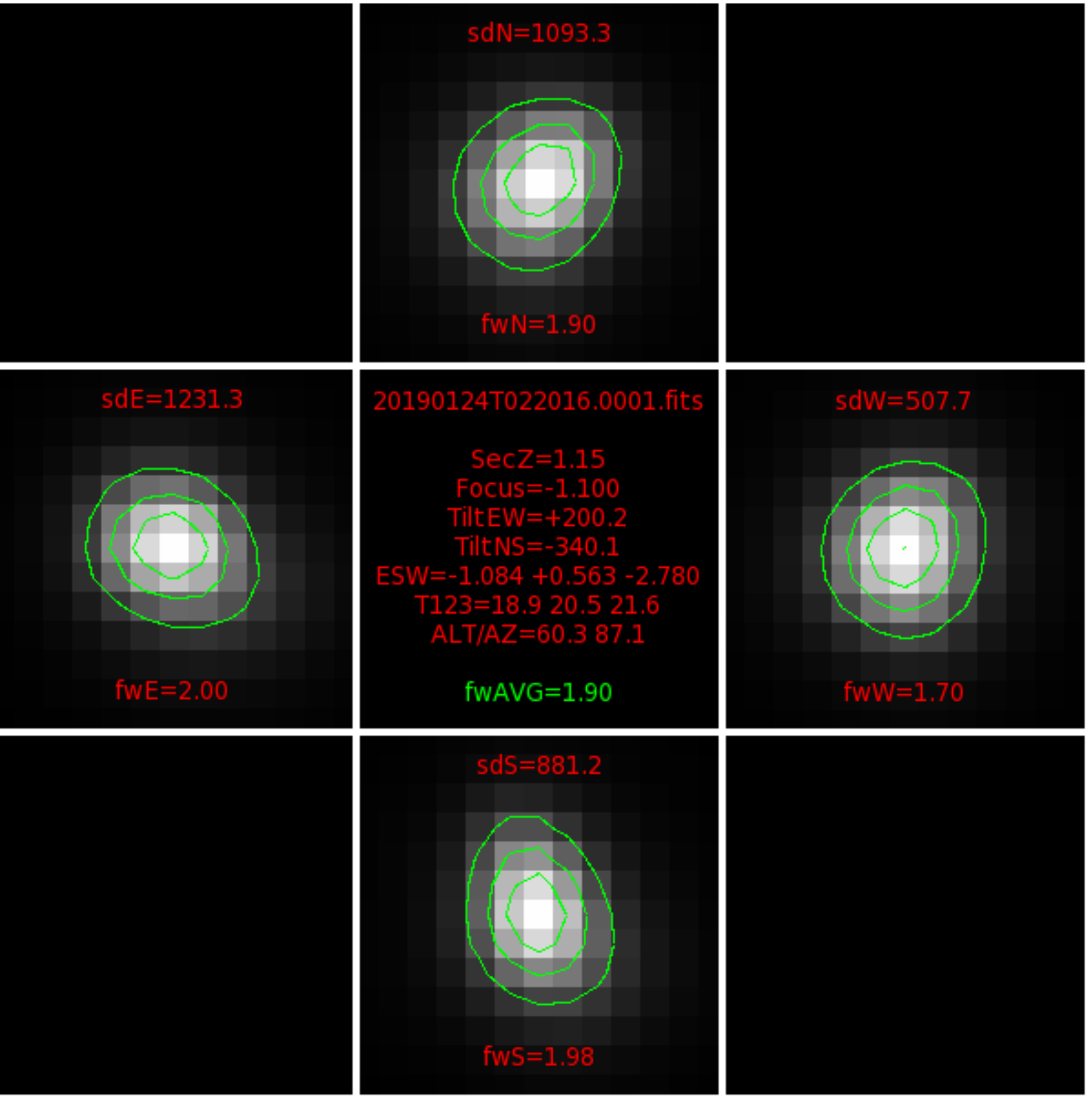
sdN=1093.3
fwN=1.90
sdE=1231.3
fwE=2.00
20190124T022016.0001.fits
SecZ=1.15
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.9 20.5 21.6
ALT/AZ=60.3 87.1
fwAVG=1.90
sdW=507.7
fwW=1.70
sdS=881.2
fwS=1.98
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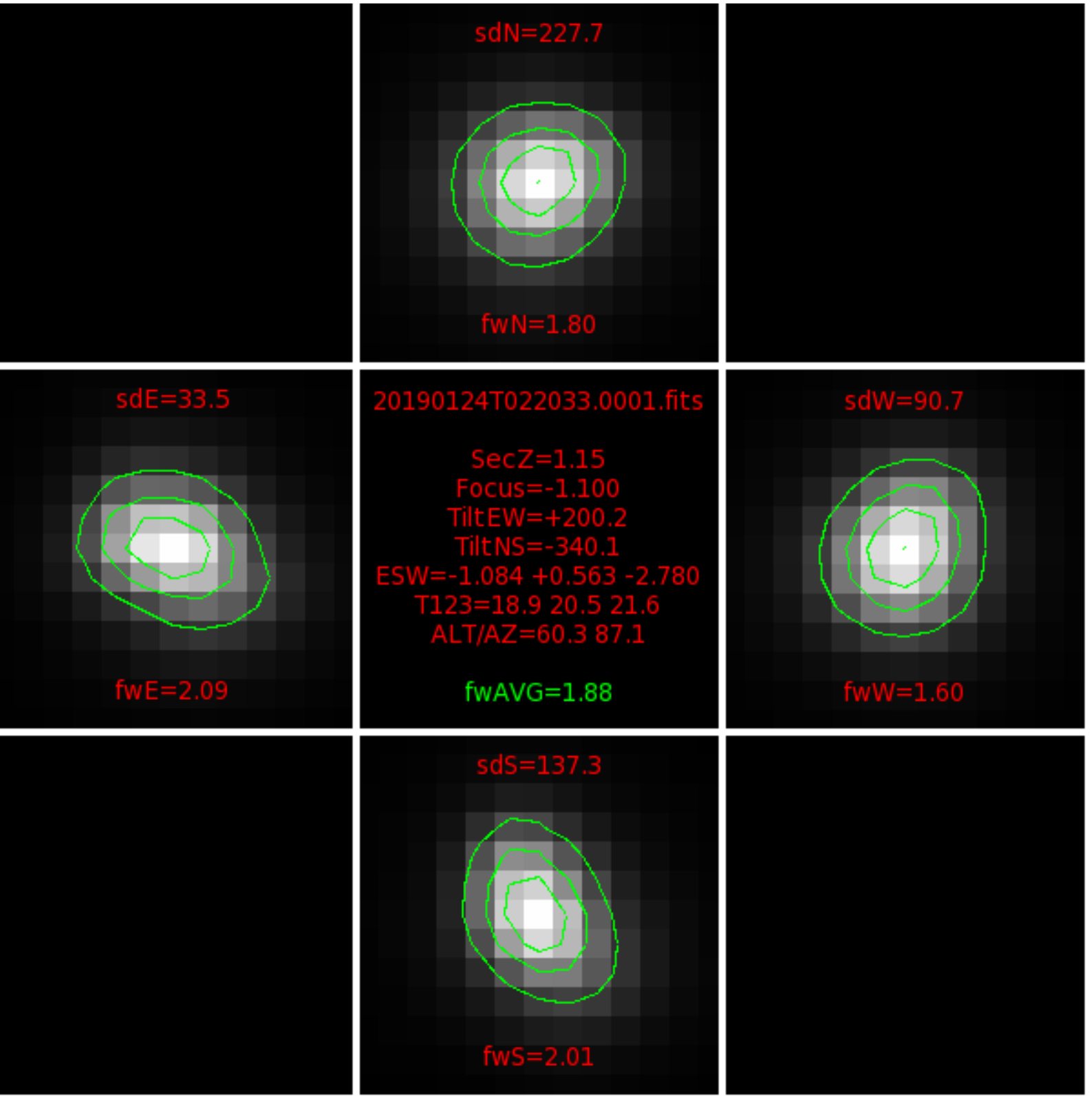
sdN=227.7
fwN=1.80
sdE=33.5
fwE=2.09
20190124T022033.0001.fits
SecZ=1.15
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.9 20.5 21.6
ALT/AZ=60.3 87.1
fwAVG=1.88
sdW=90.7
fwW=1.60
sdS=137.3
fwS=2.01
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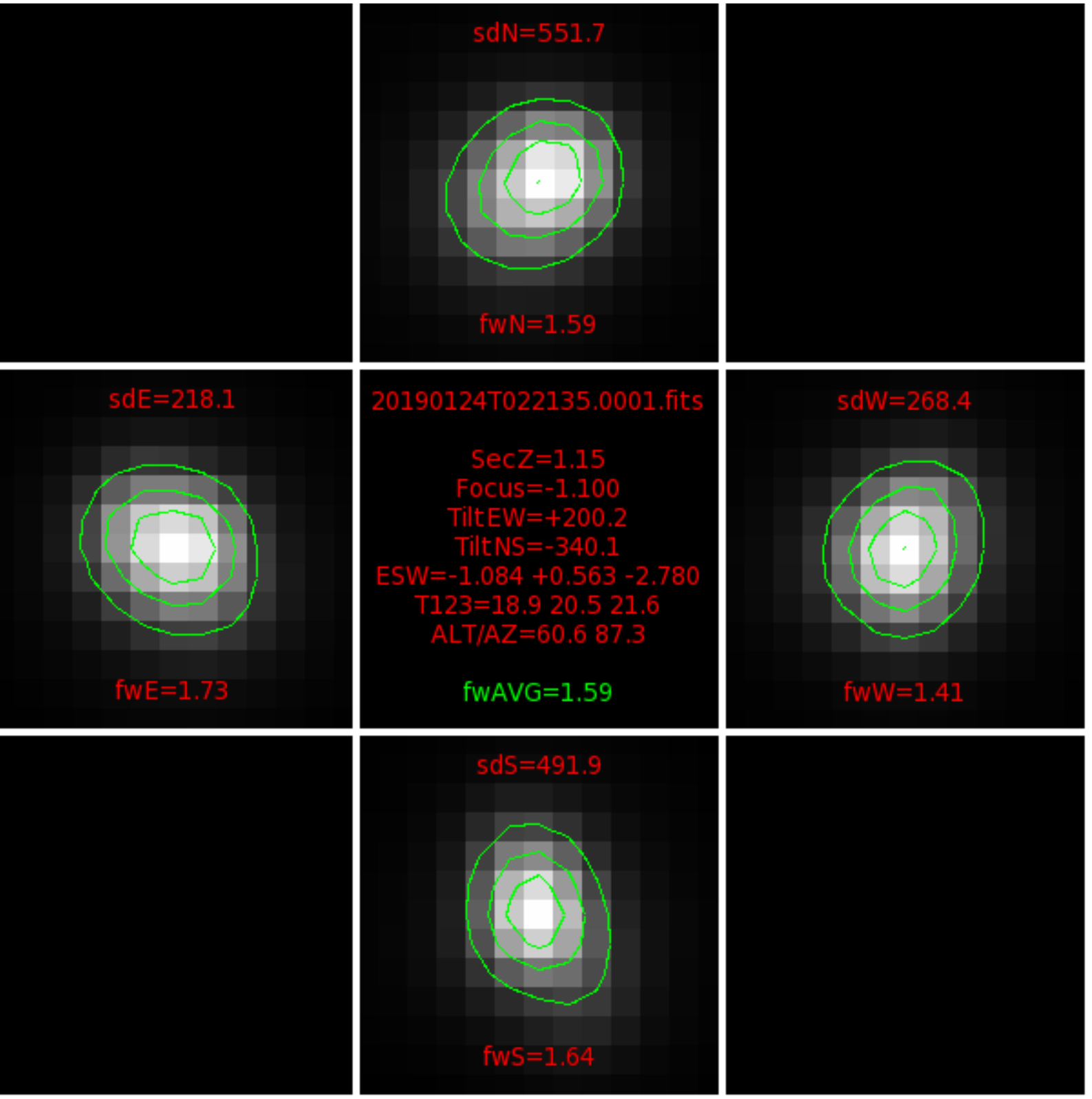
sdN=551.7
fwN=1.59
sdE=218.1
fwE=1.73
20190124T022135.0001.fits
SecZ=1.15
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.9 20.5 21.6
ALT/AZ=60.6 87.3
fwAVG=1.59
sdW=268.4
fwW=1.41
sdS=491.9
fwS=1.64
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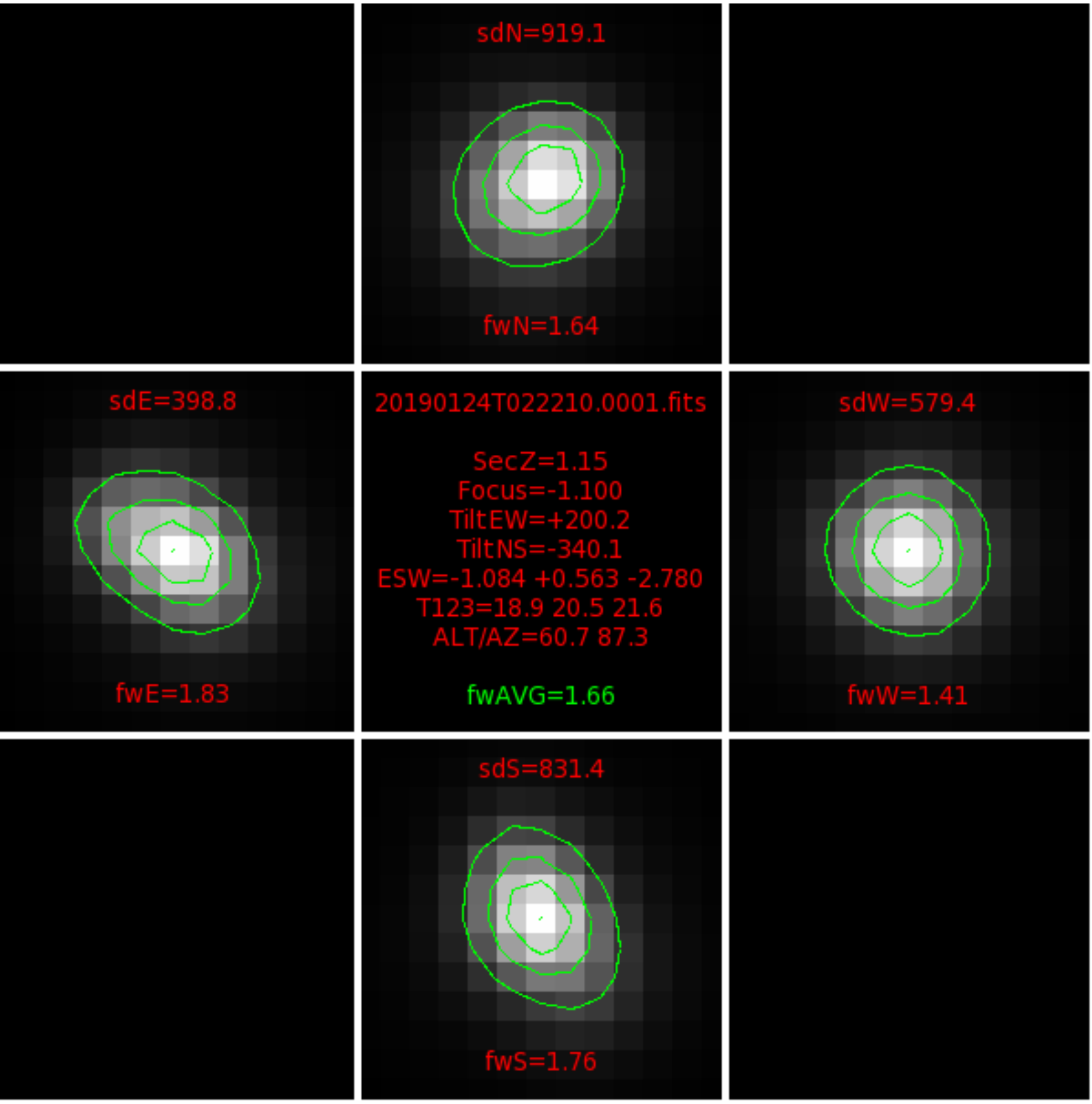
sdN=919.1
fwN=1.64
sdE=398.8
fwE=1.83
20190124T022210.0001.fits
SecZ=1.15
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.9 20.5 21.6
ALT/AZ=60.7 87.3
fwAVG=1.66
sdW=579.4
fwW=1.41
sdS=831.4
fwS=1.76
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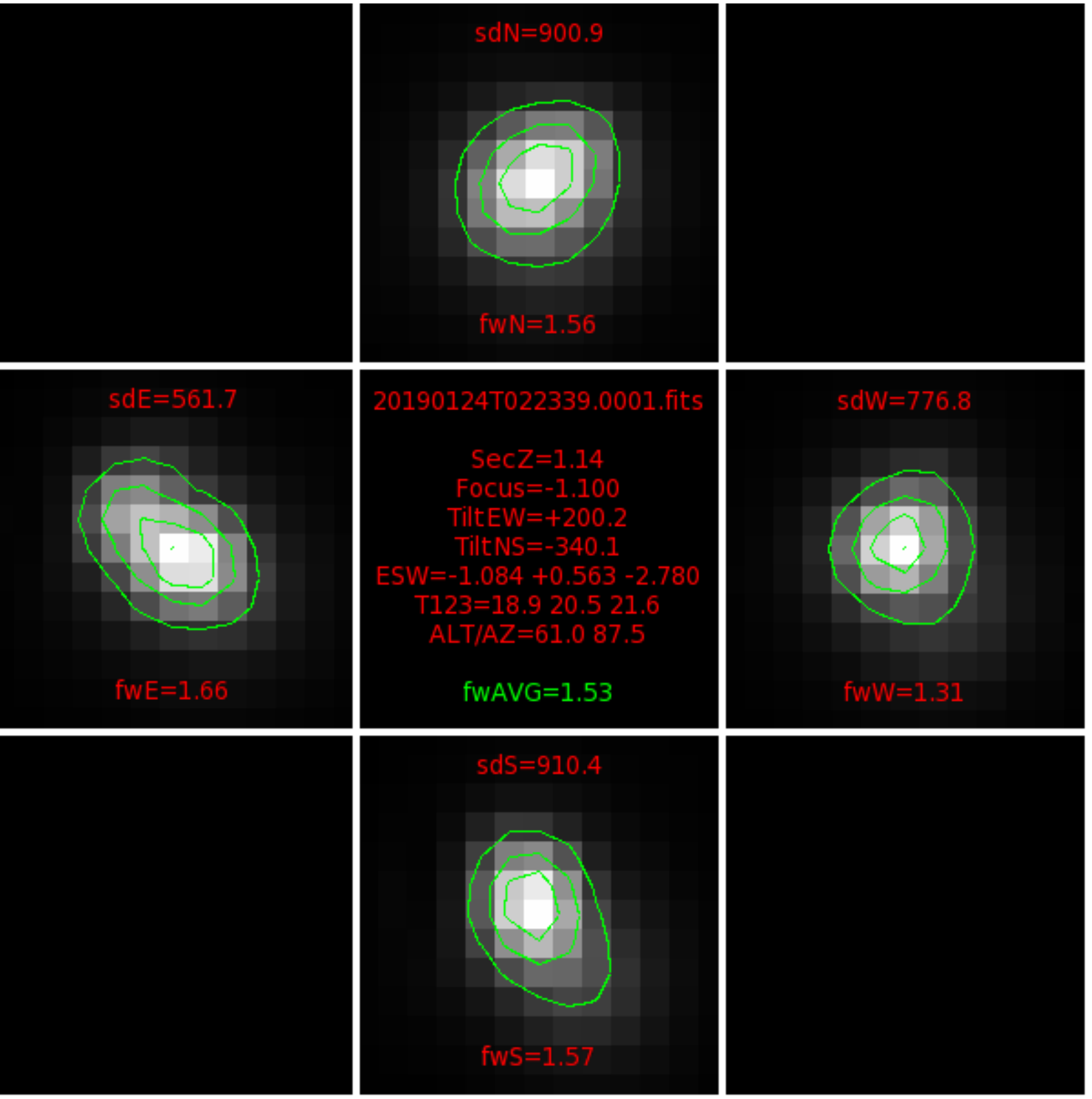
sdN=900.9
fwN=1.56
sdE=561.7
fwE=1.66
20190124T022339.0001.fits
SecZ=1.14
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.9 20.5 21.6
ALT/AZ=61.0 87.5
fwAVG=1.53
sdW=776.8
fwW=1.31
sdS=910.4
fwS=1.57
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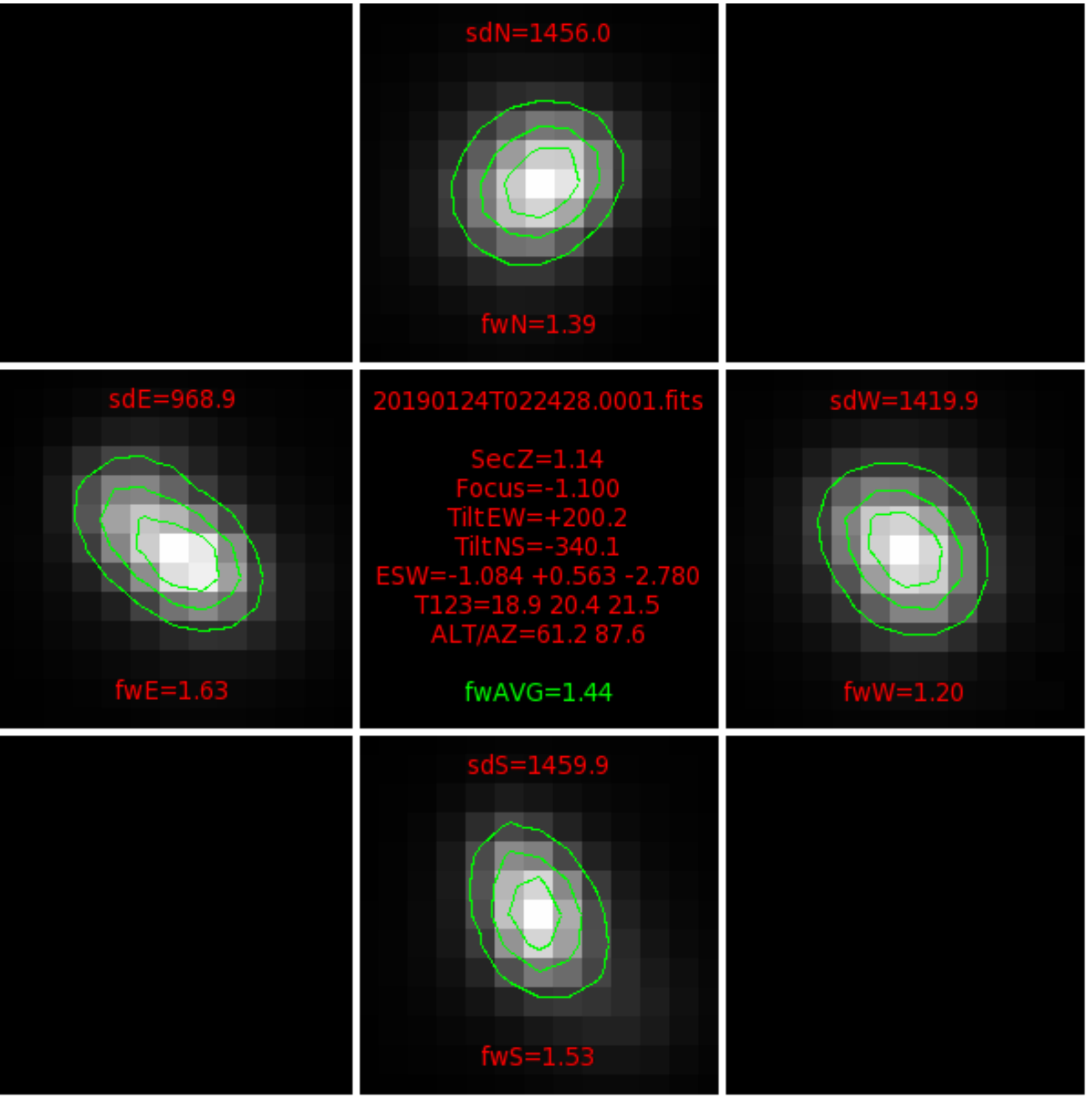
sdN=1456.0
fwN=1.39
sdE=968.9
fwE=1.63
20190124T022428.0001.fits
SecZ=1.14
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.9 20.4 21.5
ALT/AZ=61.2 87.6
fwAVG=1.44
sdW=1419.9
fwW=1.20
sdS=1459.9
fwS=1.53
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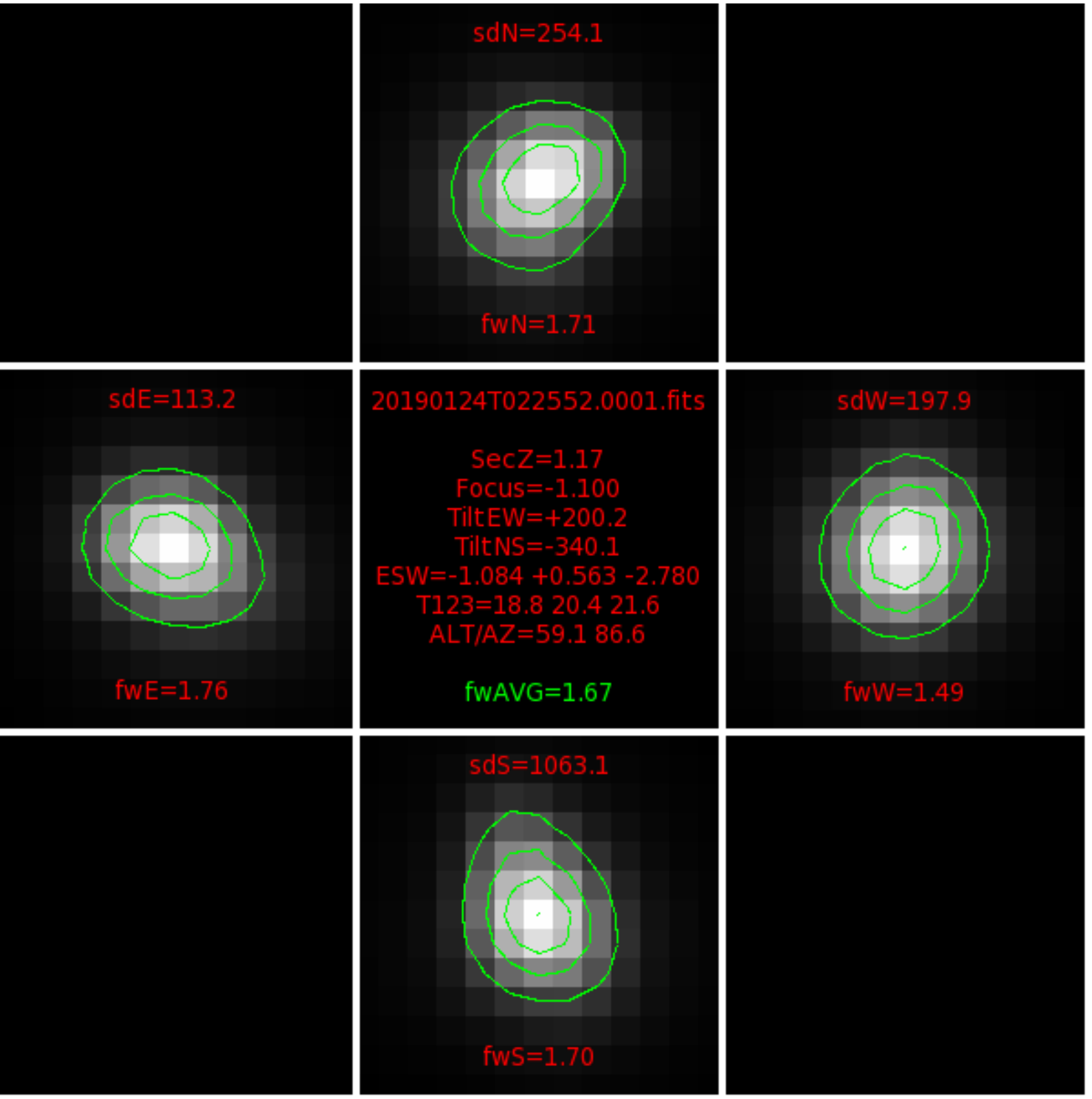
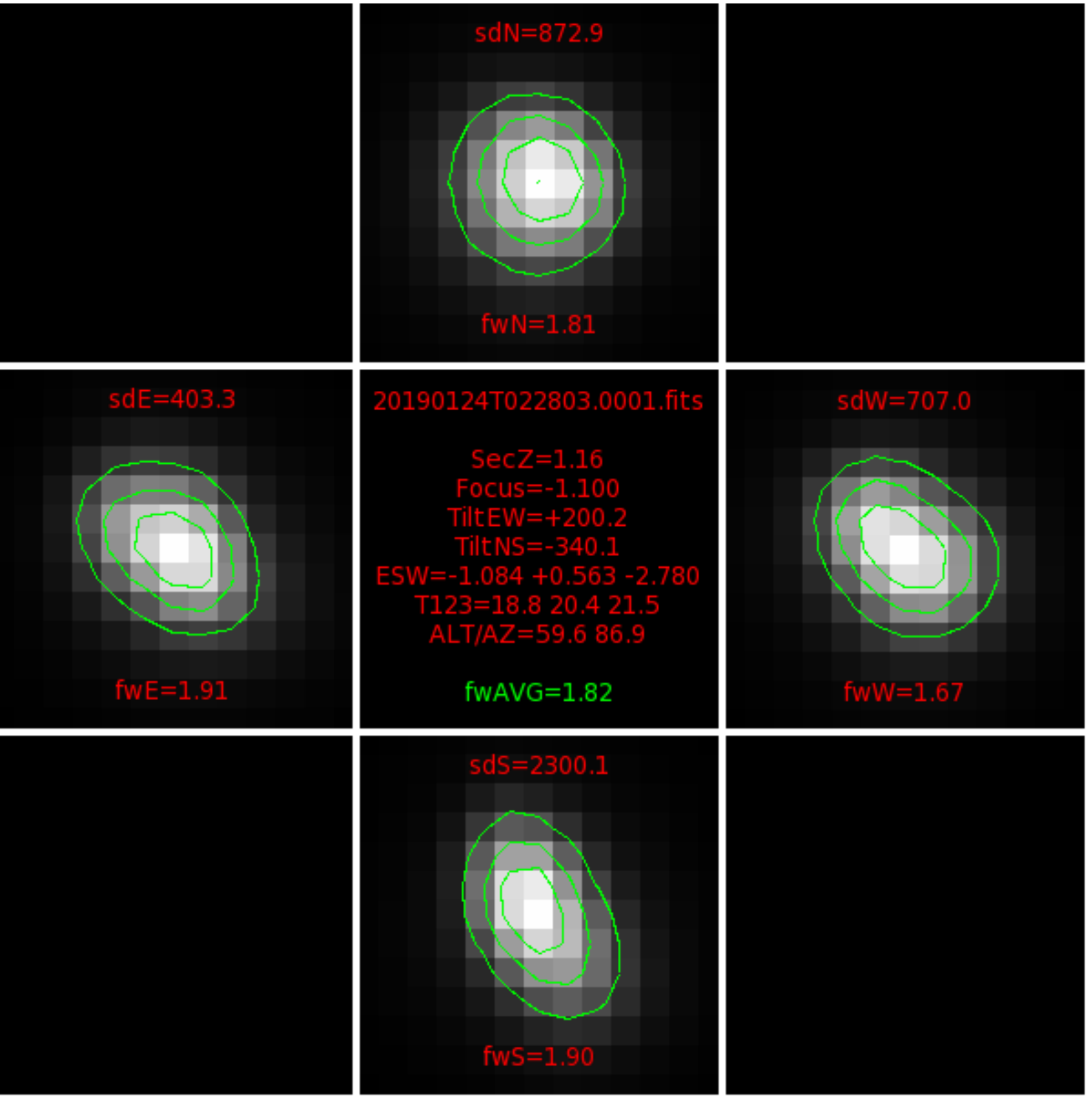

sdN=254.1
fwN=1.71
sdE=113.2
fwE=1.76
20190124T022552.0001.fits
SecZ=1.17
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.8 20.4 21.6
ALT/AZ=59.1 86.6
fwAVG=1.67
sdW=197.9
fwW=1.49
sdS=1063.1
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=872.9
fwN=1.81
sdE=403.3
fwE=1.91
20190124T022803.0001.fits
SecZ=1.16
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.8 20.4 21.5
ALT/AZ=59.6 86.9
fwAVG=1.82
sdW=707.0
fwW=1.67
sdS=2300.1
fwS=1.90
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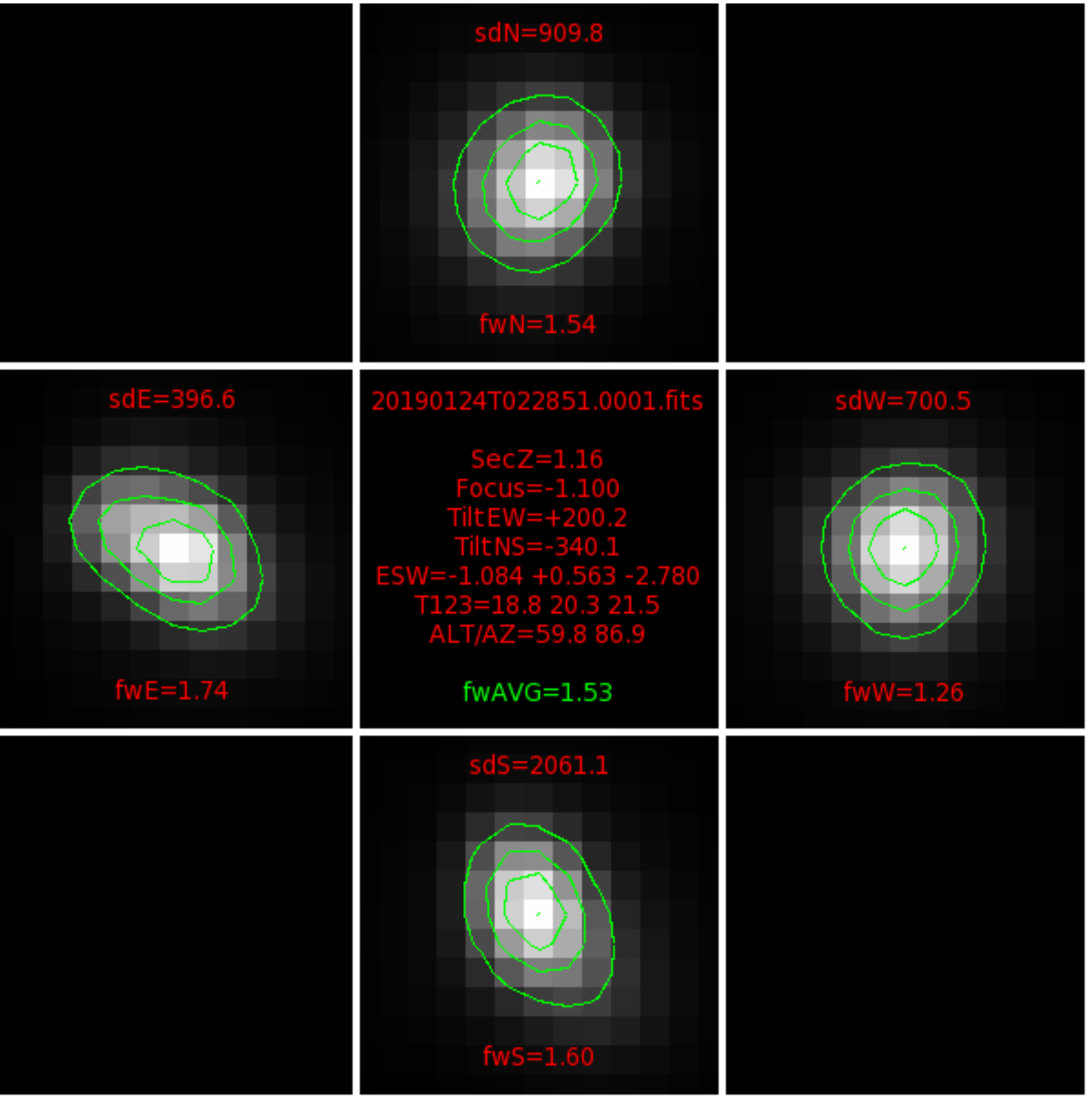
sdN=909.8
fwN=1.54
sdE=396.6
fwE=1.74
20190124T022851.0001.fits
SecZ=1.16
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.8 20.3 21.5
ALT/AZ=59.8 86.9
fwAVG=1.53
sdW=700.5
fwW=1.26
sdS=2061.1
fwS=1.60
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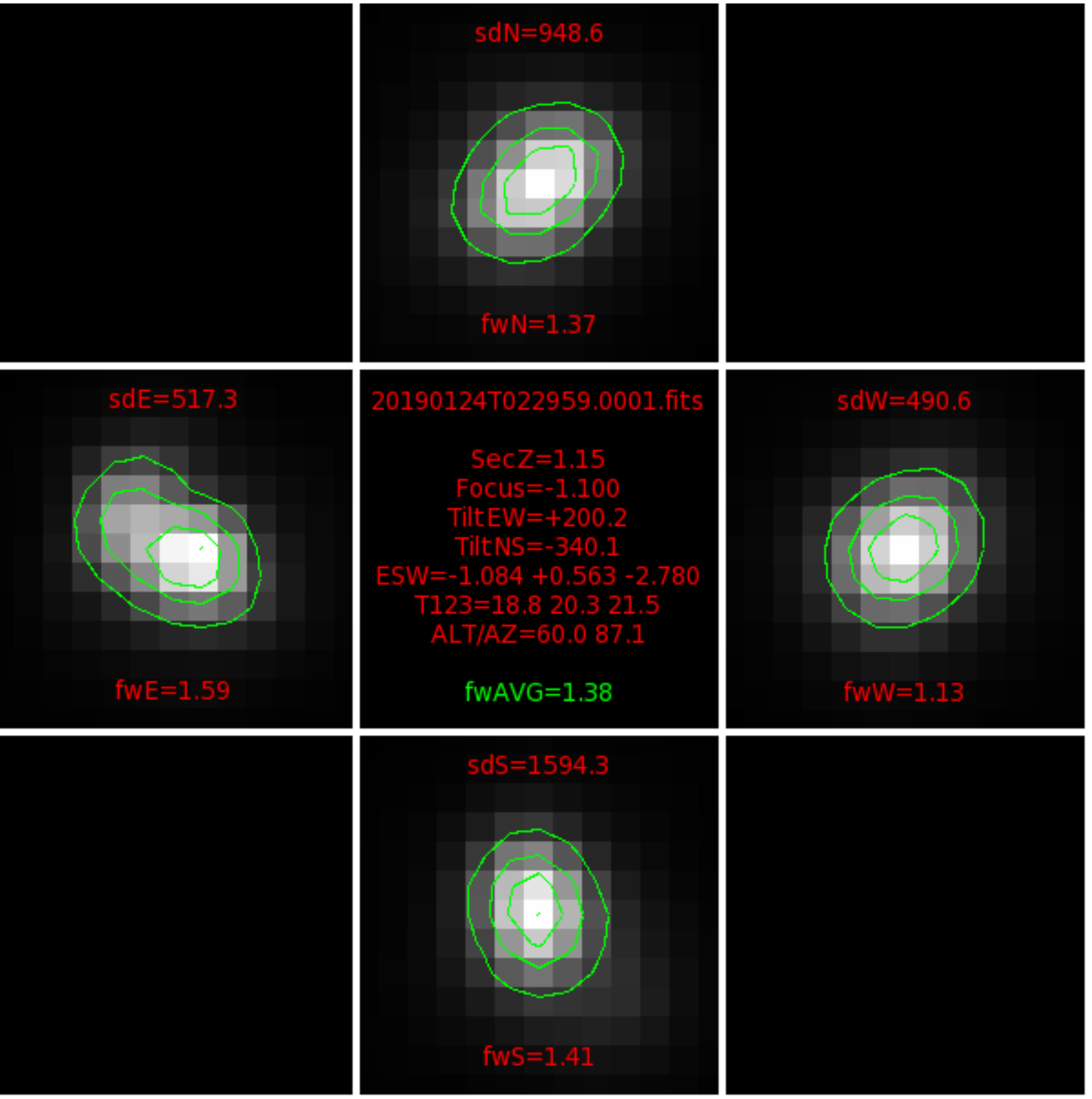
sdN=948.6
fwN=1.37
sdE=517.3
fwE=1.59
20190124T022959.0001.fits
SecZ=1.15
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.8 20.3 21.5
ALT/AZ=60.0 87.1
fwAVG=1.38
sdW=490.6
fwW=1.13
sdS=1594.3
fwS=1.41
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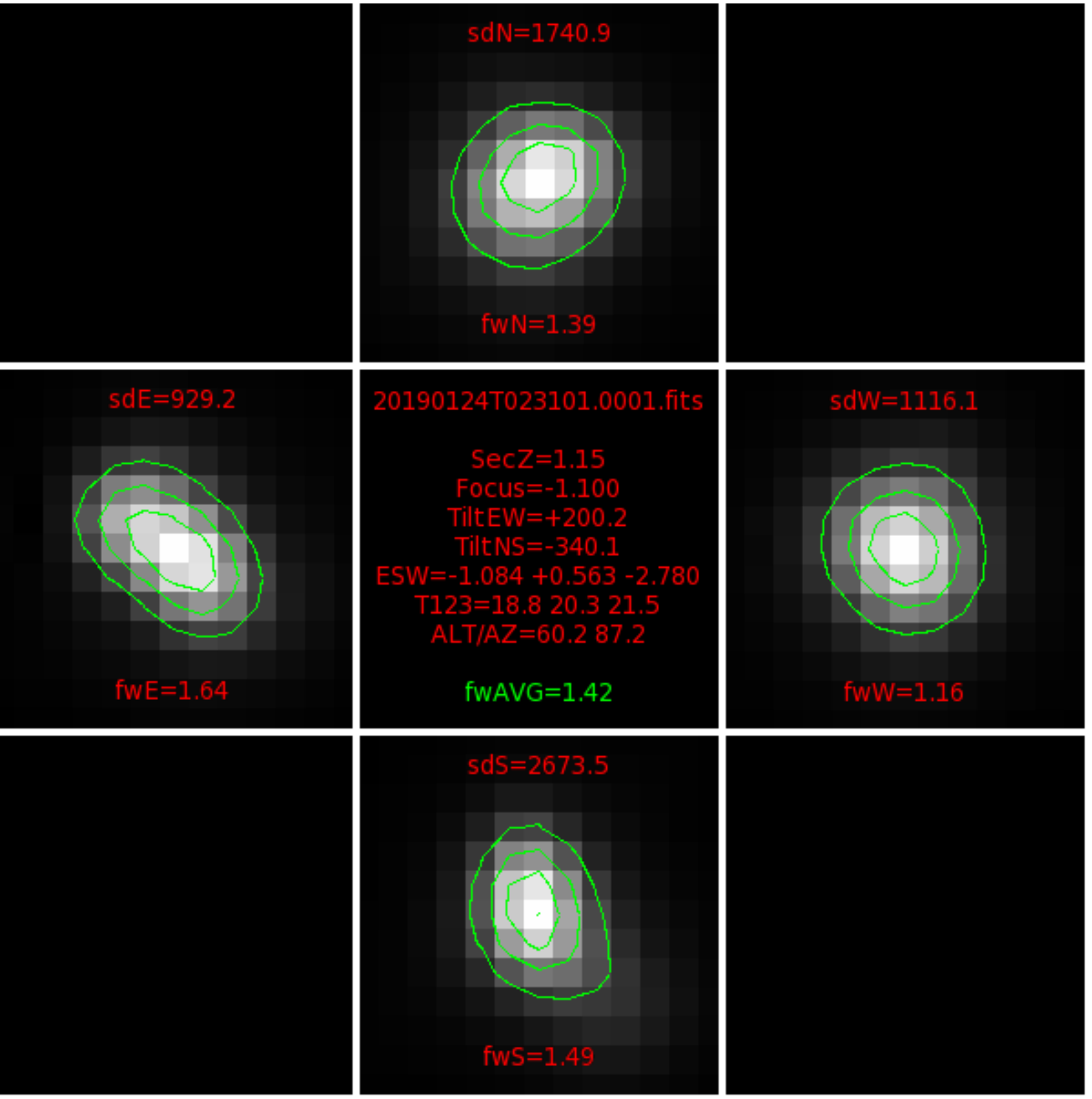
sdN=1740.9
fwN=1.39
sdE=929.2
fwE=1.64
20190124T023101.0001.fits
SecZ=1.15
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.8 20.3 21.5
ALT/AZ=60.2 87.2
fwAVG=1.42
sdW=1116.1
fwW=1.16
sdS=2673.5
fwS=1.49
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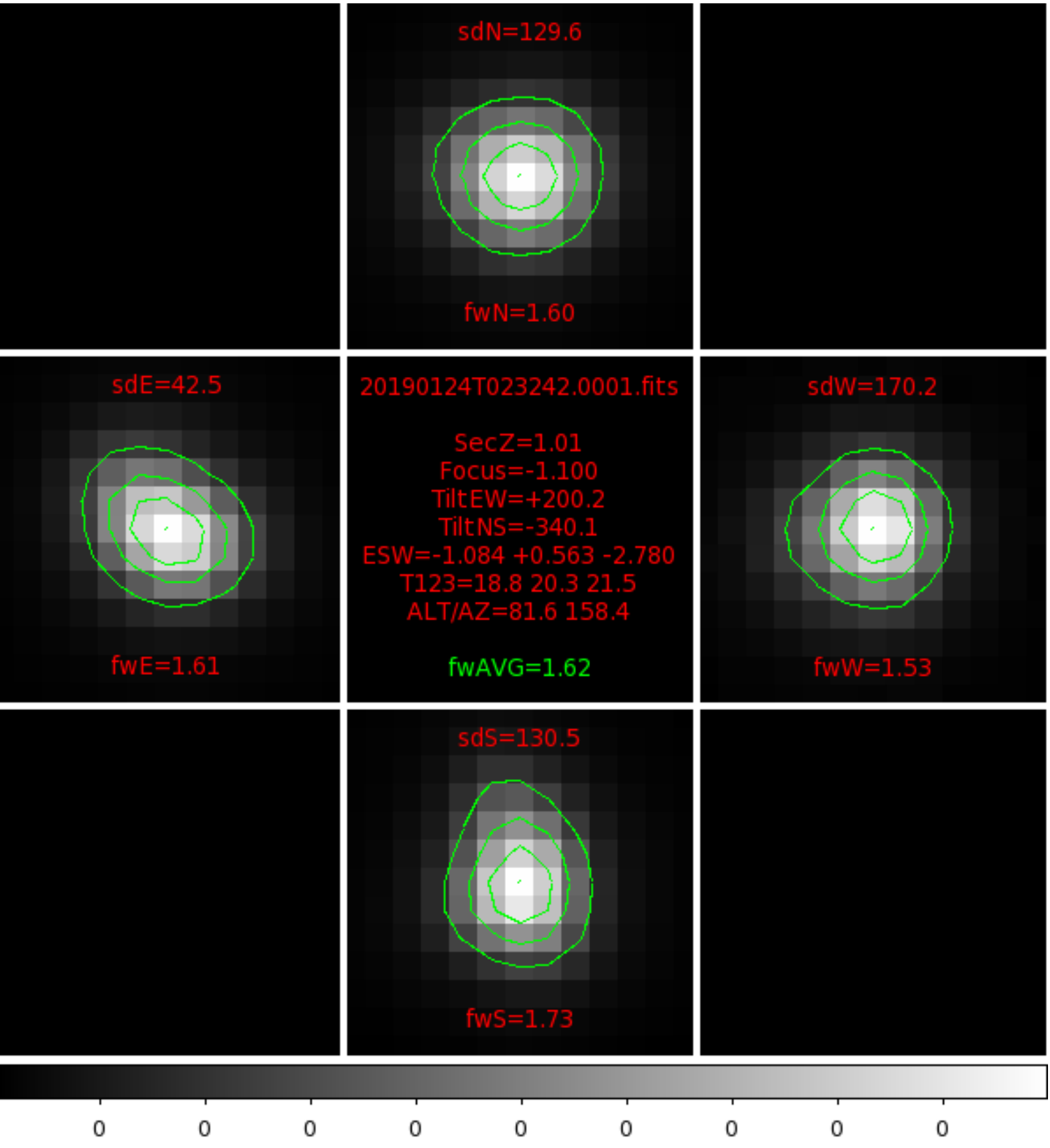
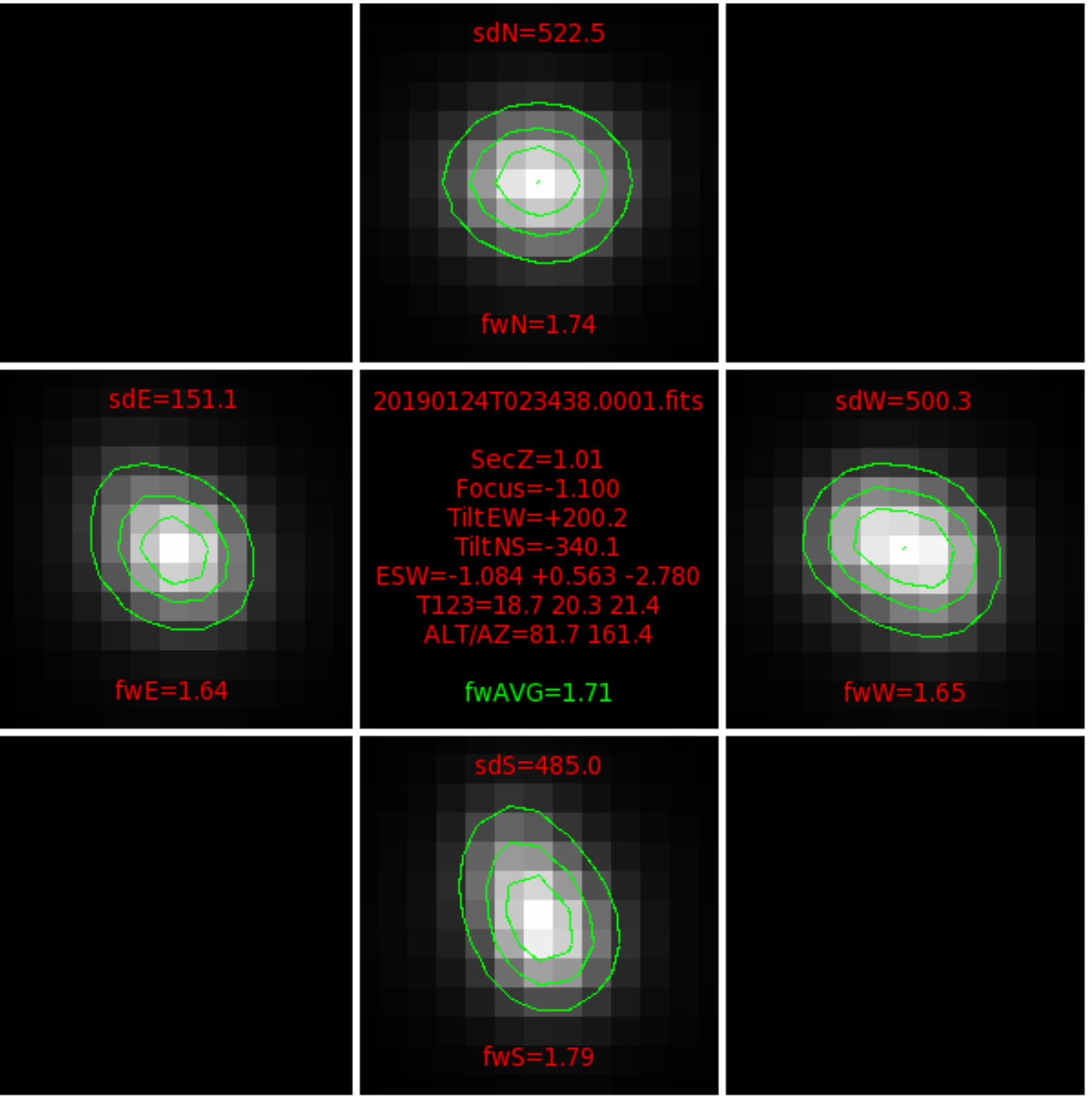

sdN=129.6
fwN=1.60
sdE=42.5
fwE=1.61
20190124T023242.0001.fits
SecZ=1.01
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.8 20.3 21.5
ALT/AZ=81.6 158.4
fwAVG=1.62
sdW=170.2
fwW=1.53
sdS=130.5
fwS=1.73
0 0 0 0 0 0 0 0 0


sdN=522.5
fwN=1.74
sdE=151.1
fwE=1.64
20190124T023438.0001.fits
SecZ=1.01
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.7 20.3 21.4
ALT/AZ=81.7 161.4
fwAVG=1.71
sdW=500.3
fwW=1.65
sdS=485.0
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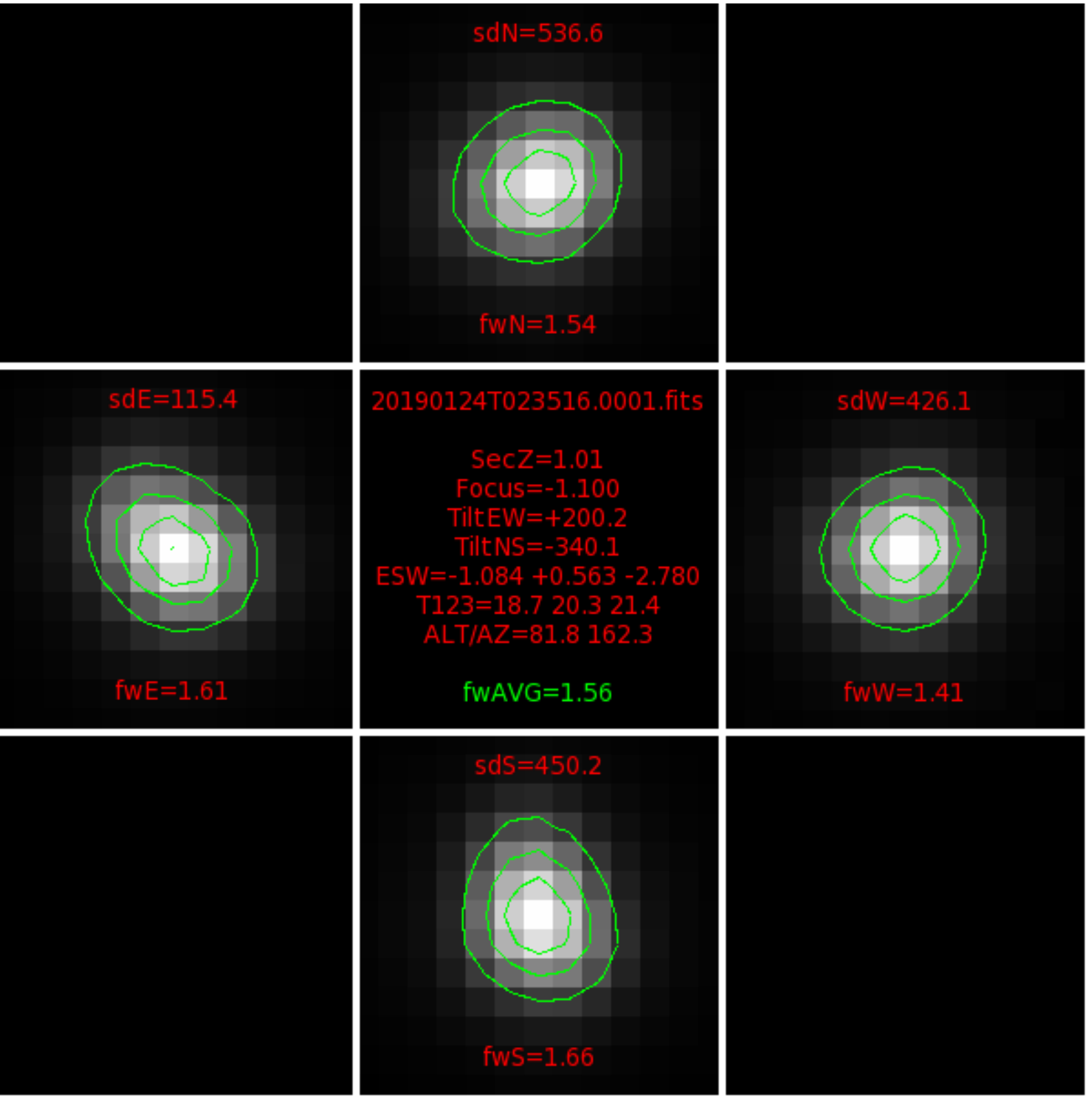
sdN=536.6
fwN=1.54
sdE=115.4
fwE=1.61
20190124T023516.0001.fits
SecZ=1.01
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.7 20.3 21.4
ALT/AZ=81.8 162.3
fwAVG=1.56
sdW=426.1
fwW=1.41
sdS=450.2
fwS=1.66
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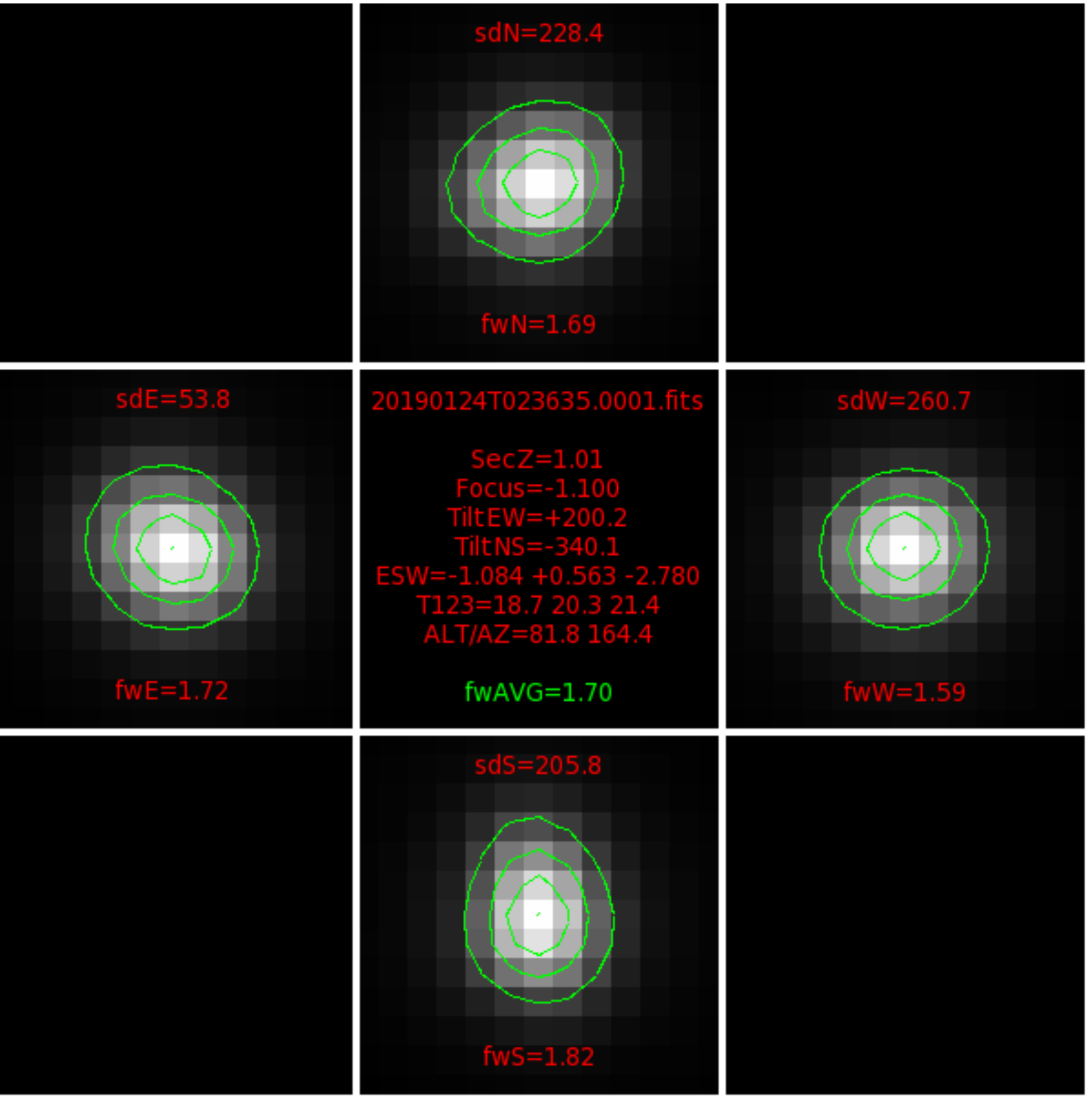
sdN=228.4
fwN=1.69
sdE=53.8
fwE=1.72
20190124T023635.0001.fits
SecZ=1.01
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.7 20.3 21.4
ALT/AZ=81.8 164.4
fwAVG=1.70
sdW=260.7
fwW=1.59
sdS=205.8
fwS=1.82
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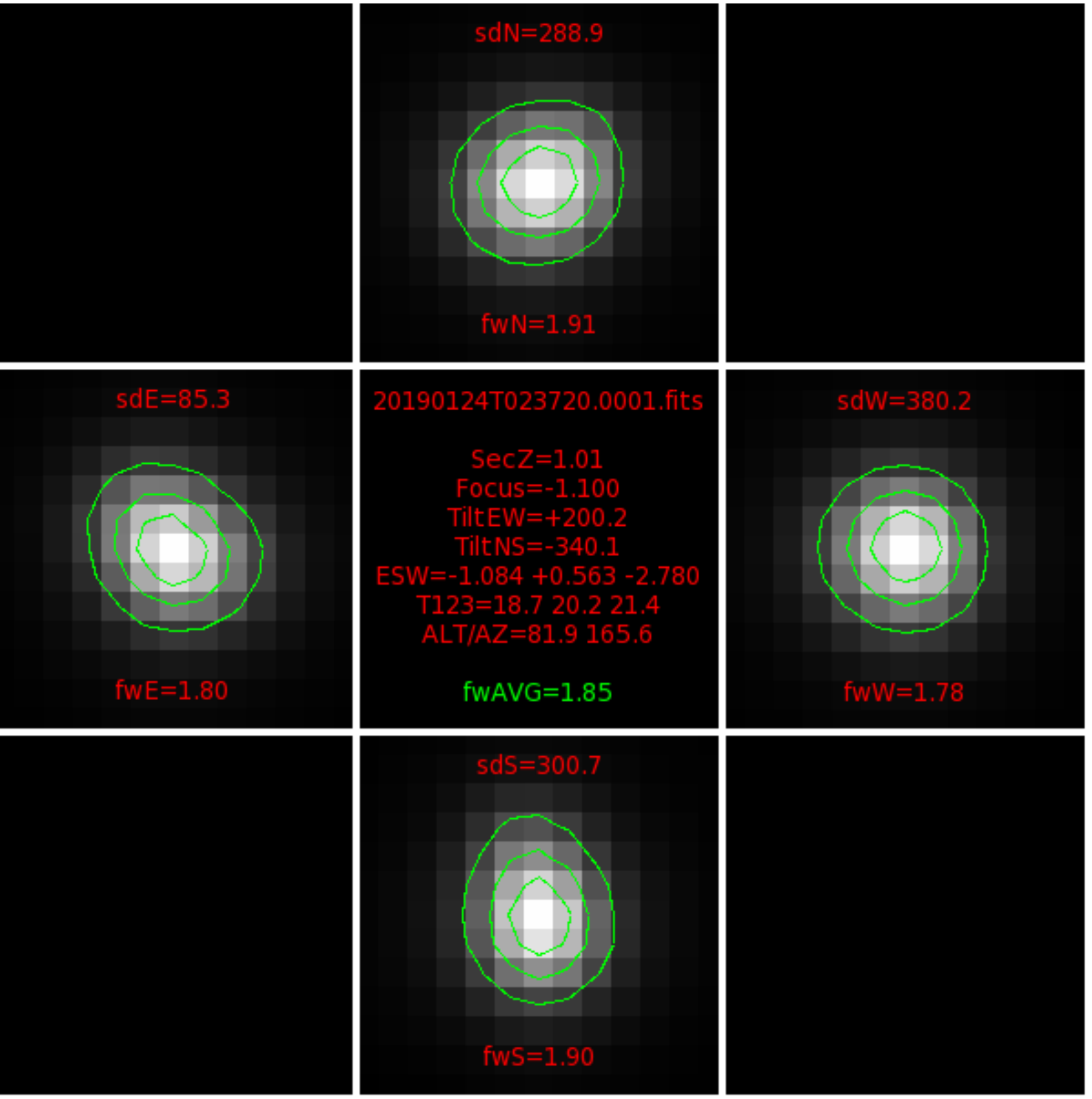
sdN=288.9
fwN=1.91
sdE=85.3
fwE=1.80
20190124T023720.0001.fits
SecZ=1.01
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.7 20.2 21.4
ALT/AZ=81.9 165.6
fwAVG=1.85
sdW=380.2
fwW=1.78
sdS=300.7
fwS=1.90
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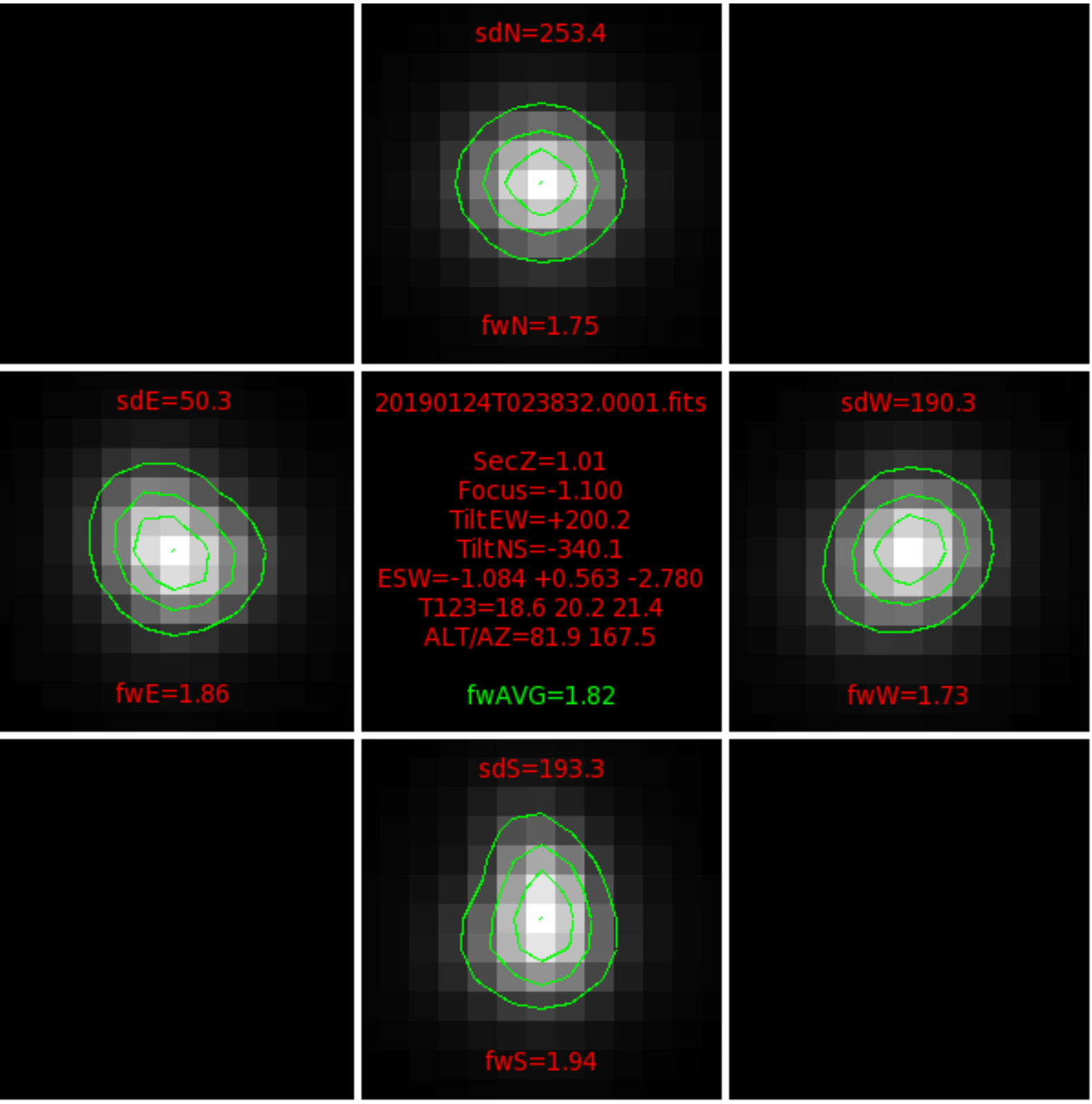
sdN=253.4
fwN=1.75
sdE=50.3
fwE=1.86
20190124T023832.0001.fits
SecZ=1.01
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.6 20.2 21.4
ALT/AZ=81.9 167.5
fwAVG=1.82
sdW=190.3
fwW=1.73
sdS=193.3
fwS=1.94
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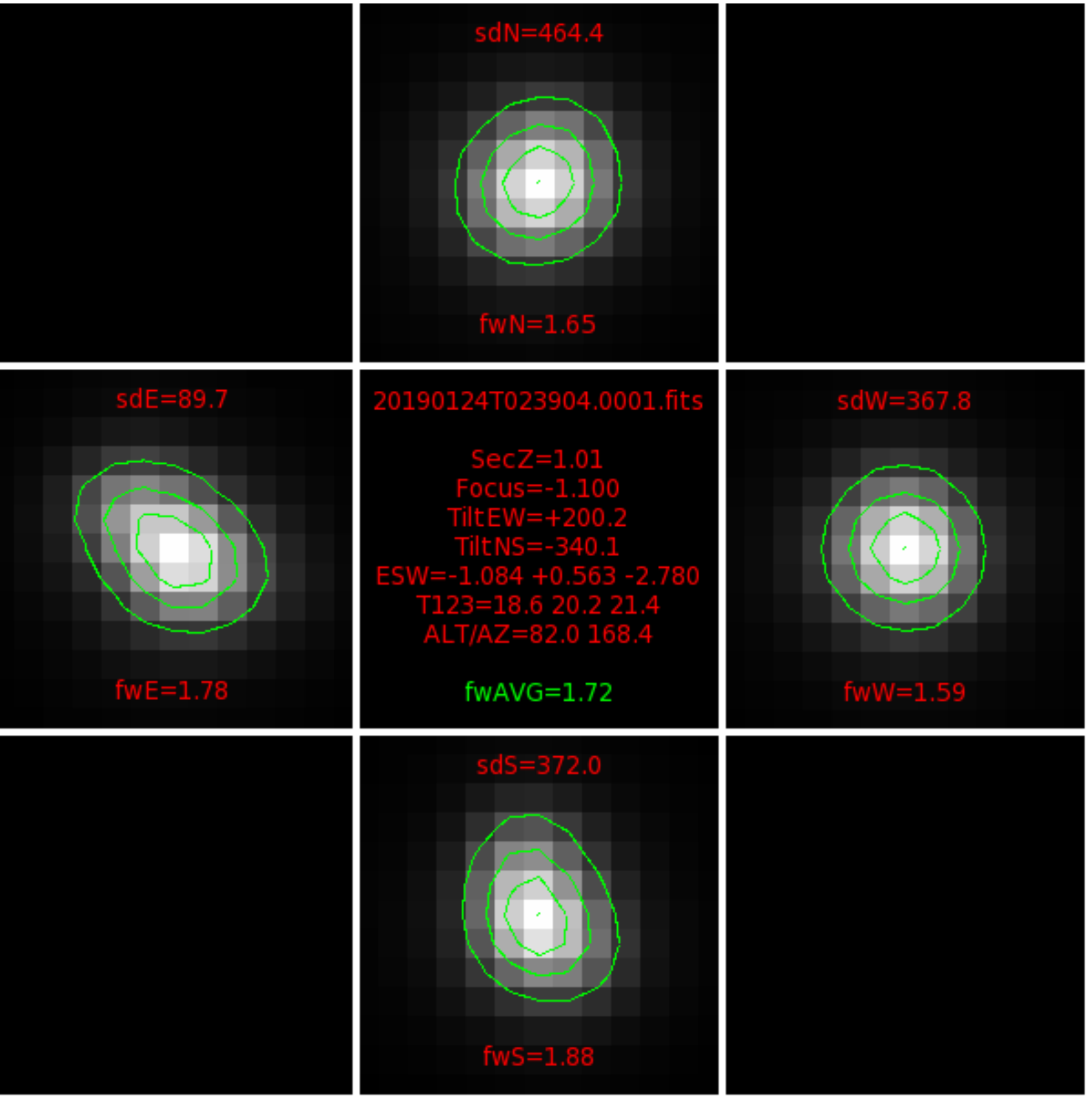
sdN=464.4
fwN=1.65
sdE=89.7
fwE=1.78
20190124T023904.0001.fits
SecZ=1.01
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.6 20.2 21.4
ALT/AZ=82.0 168.4
fwAVG=1.72
sdW=367.8
fwW=1.59
sdS=372.0
fwS=1.88
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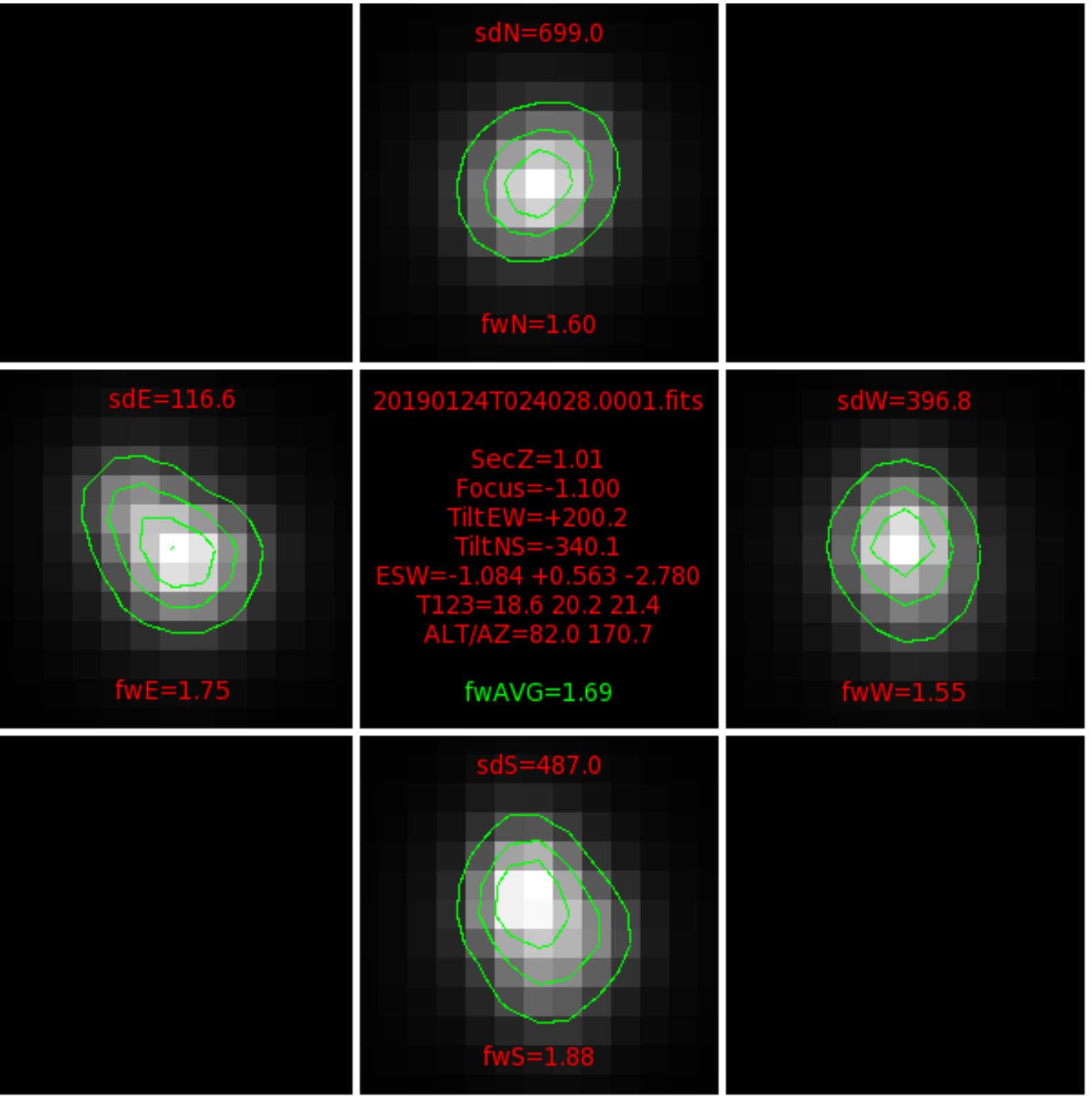
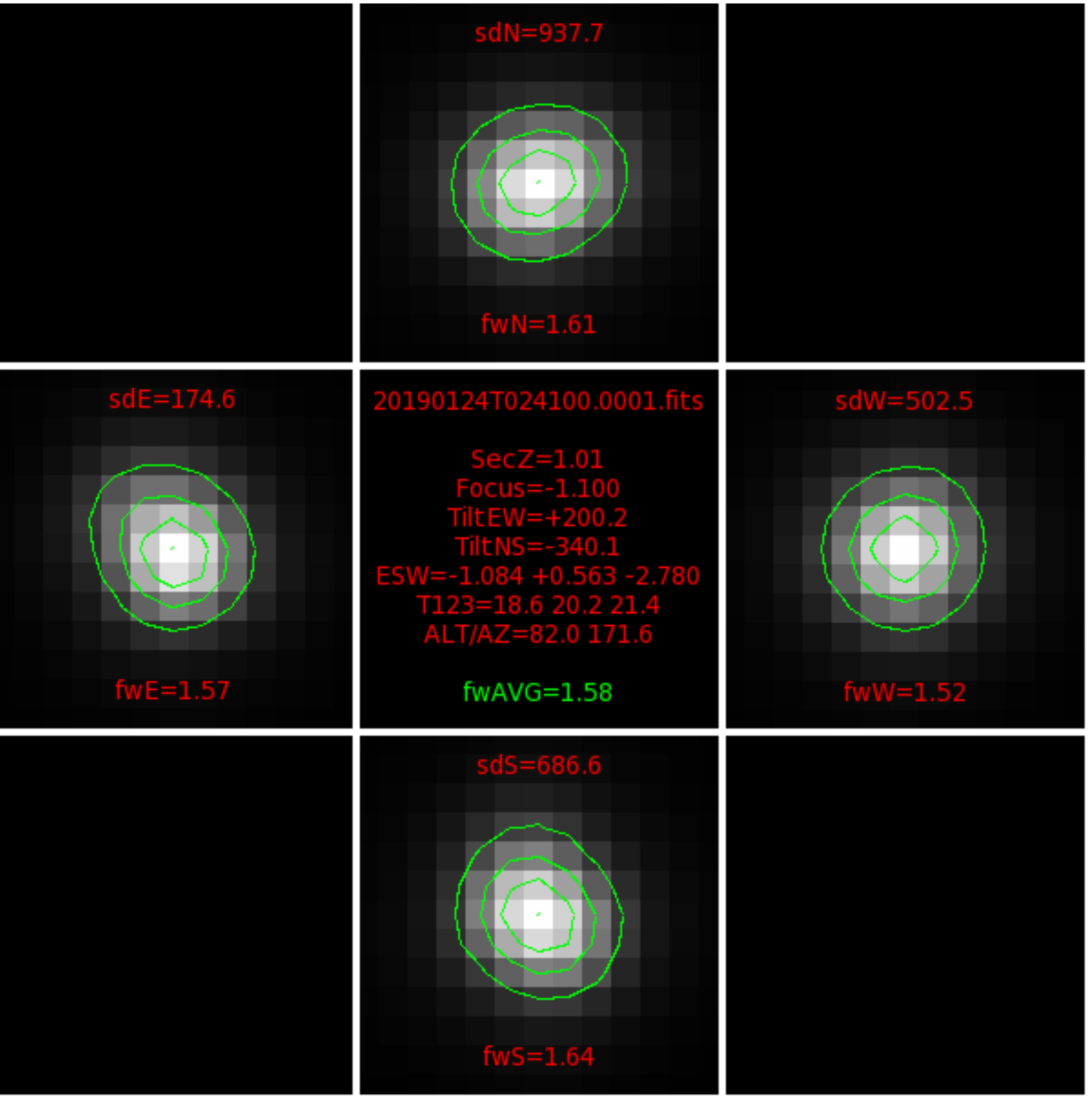

sdN=699.0
fwN=1.60
sdE=116.6
fwE=1.75
20190124T024028.0001.fits
SecZ=1.01
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.6 20.2 21.4
ALT/AZ=82.0 170.7
fwAVG=1.69
sdW=396.8
fwW=1.55
sdS=487.0
fwS=1.88
0 0 0 0 0 0 0 0 0


sdN=937.7
fwN=1.61
sdE=174.6
fwE=1.57
20190124T024100.0001.fits
SecZ=1.01
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.6 20.2 21.4
ALT/AZ=82.0 171.6
fwAVG=1.58
sdW=502.5
fwW=1.52
sdS=686.6
fwS=1.64
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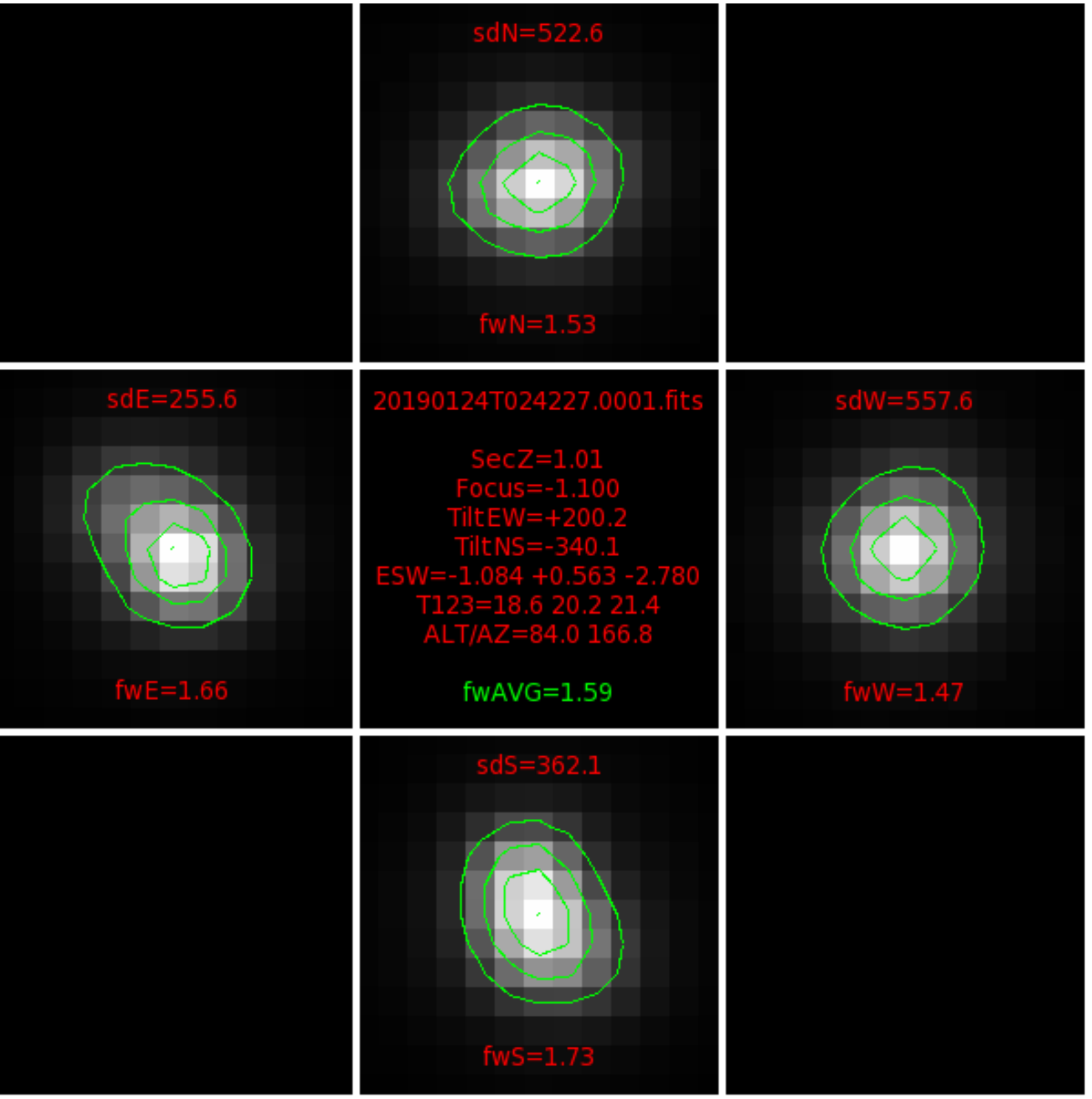
sdN=522.6
fwN=1.53
sdE=255.6
fwE=1.66
20190124T024227.0001.fits
SecZ=1.01
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.6 20.2 21.4
ALT/AZ=84.0 166.8
fwAVG=1.59
sdW=557.6
fwW=1.47
sdS=362.1
fwS=1.73
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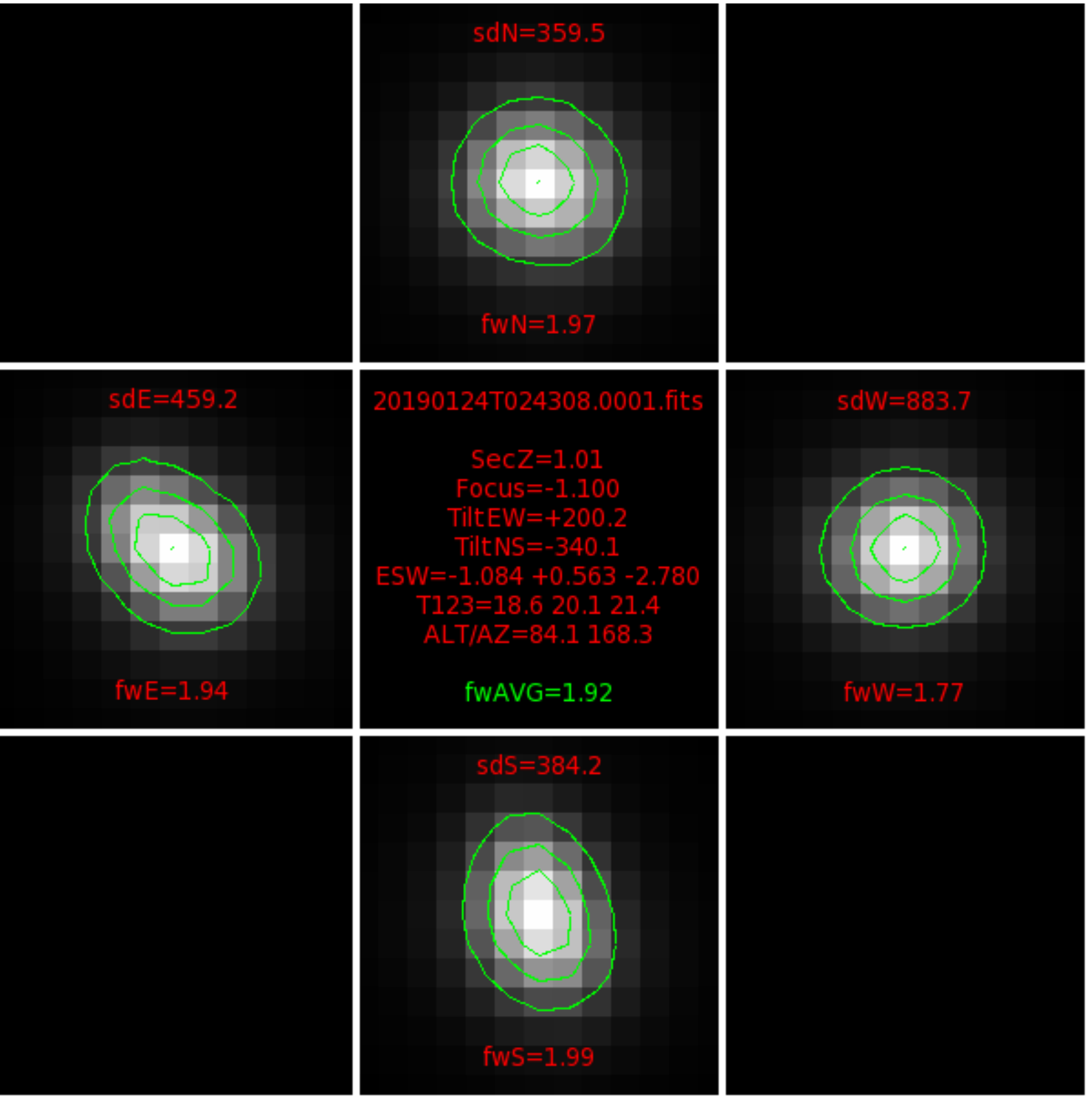
sdN=359.5
fwN=1.97
sdE=459.2
fwE=1.94
20190124T024308.0001.fits
SecZ=1.01
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.6 20.1 21.4
ALT/AZ=84.1 168.3
fwAVG=1.92
sdW=883.7
fwW=1.77
sdS=384.2
fwS=1.99
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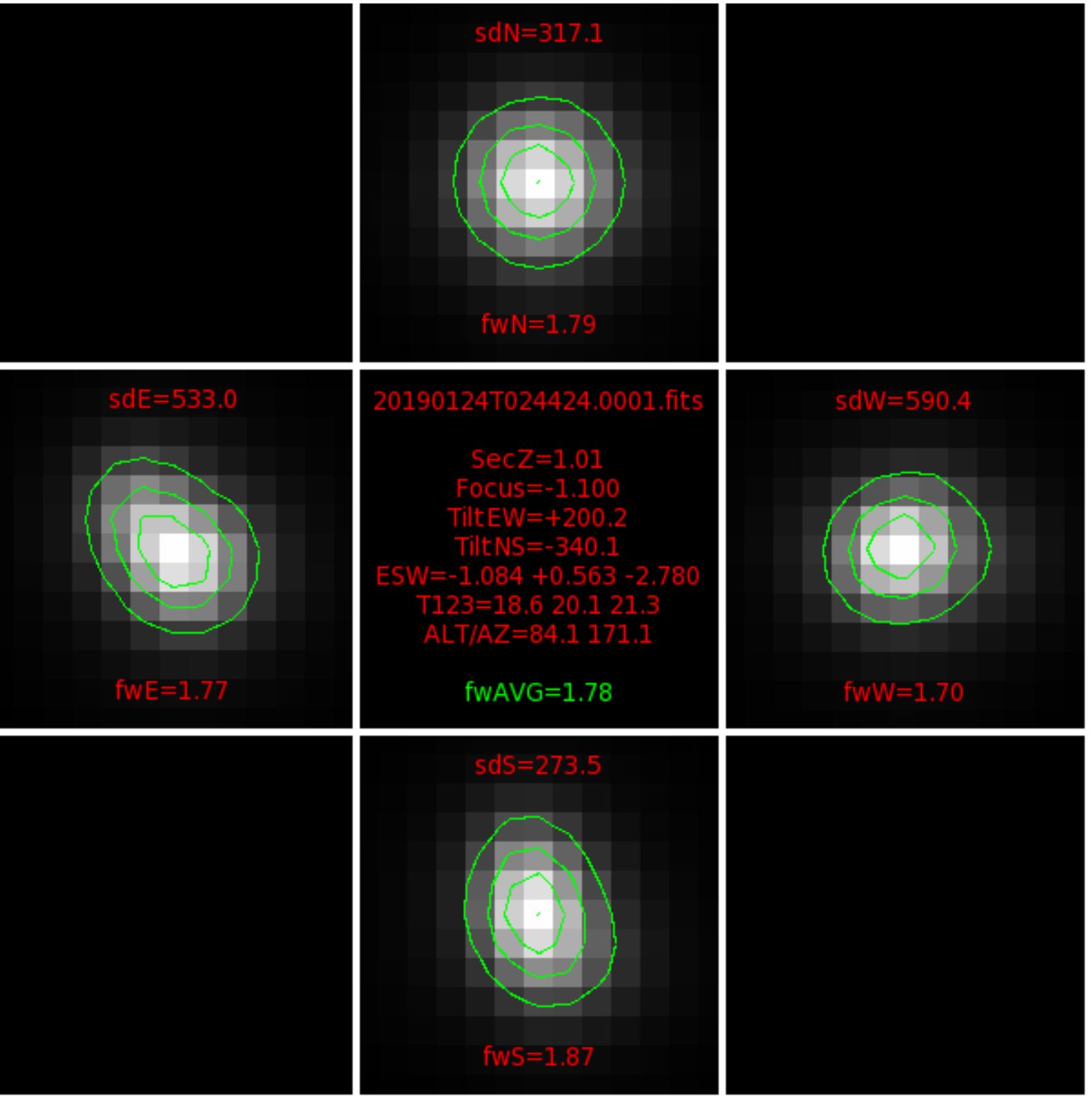
sdN=317.1
fwN=1.79
sdE=533.0
fwE=1.77
20190124T024424.0001.fits
SecZ=1.01
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.6 20.1 21.3
ALT/AZ=84.1 171.1
fwAVG=1.78
sdW=590.4
fwW=1.70
sdS=273.5
fwS=1.87
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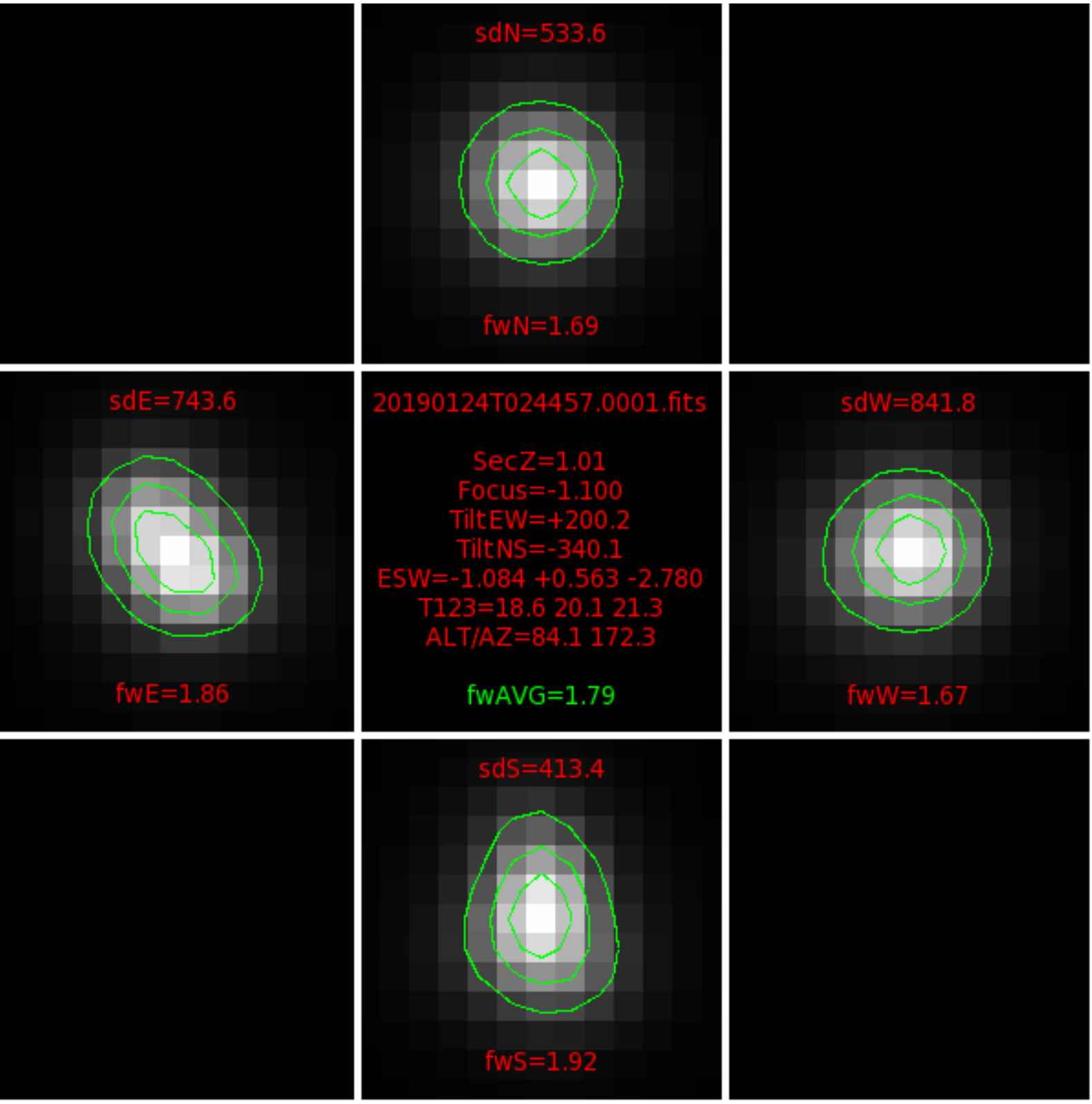
sdN=533.6
fwN=1.69
sdE=743.6
fwE=1.86
20190124T024457.0001.fits
SecZ=1.01
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.6 20.1 21.3
ALT/AZ=84.1 172.3
fwAVG=1.79
sdW=841.8
fwW=1.67
sdS=413.4
fwS=1.92
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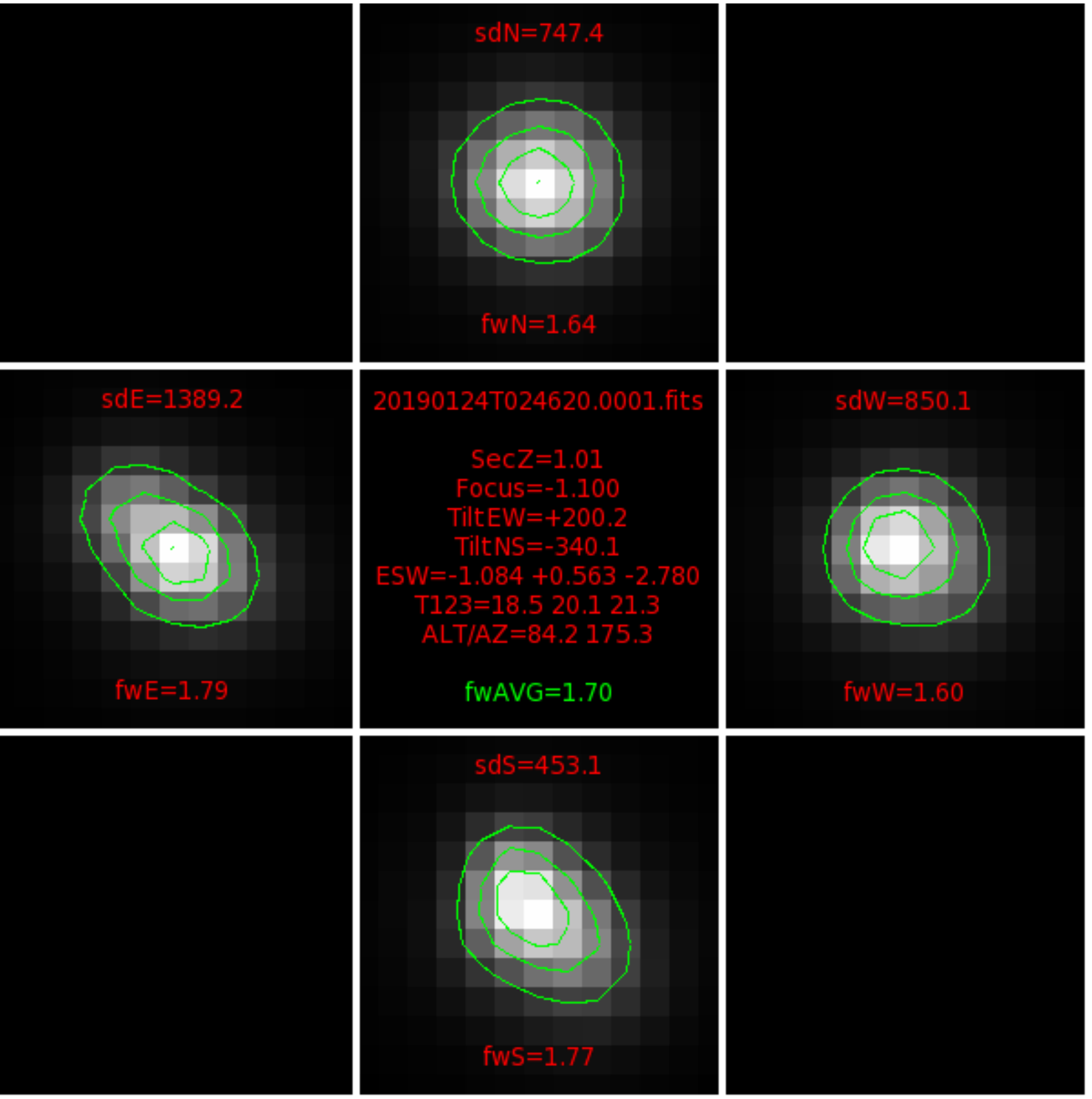
sdN=747.4
fwN=1.64
sdE=1389.2
fwE=1.79
20190124T024620.0001.fits
SecZ=1.01
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.5 20.1 21.3
ALT/AZ=84.2 175.3
fwAVG=1.70
sdW=850.1
fwW=1.60
sdS=453.1
fwS=1.77
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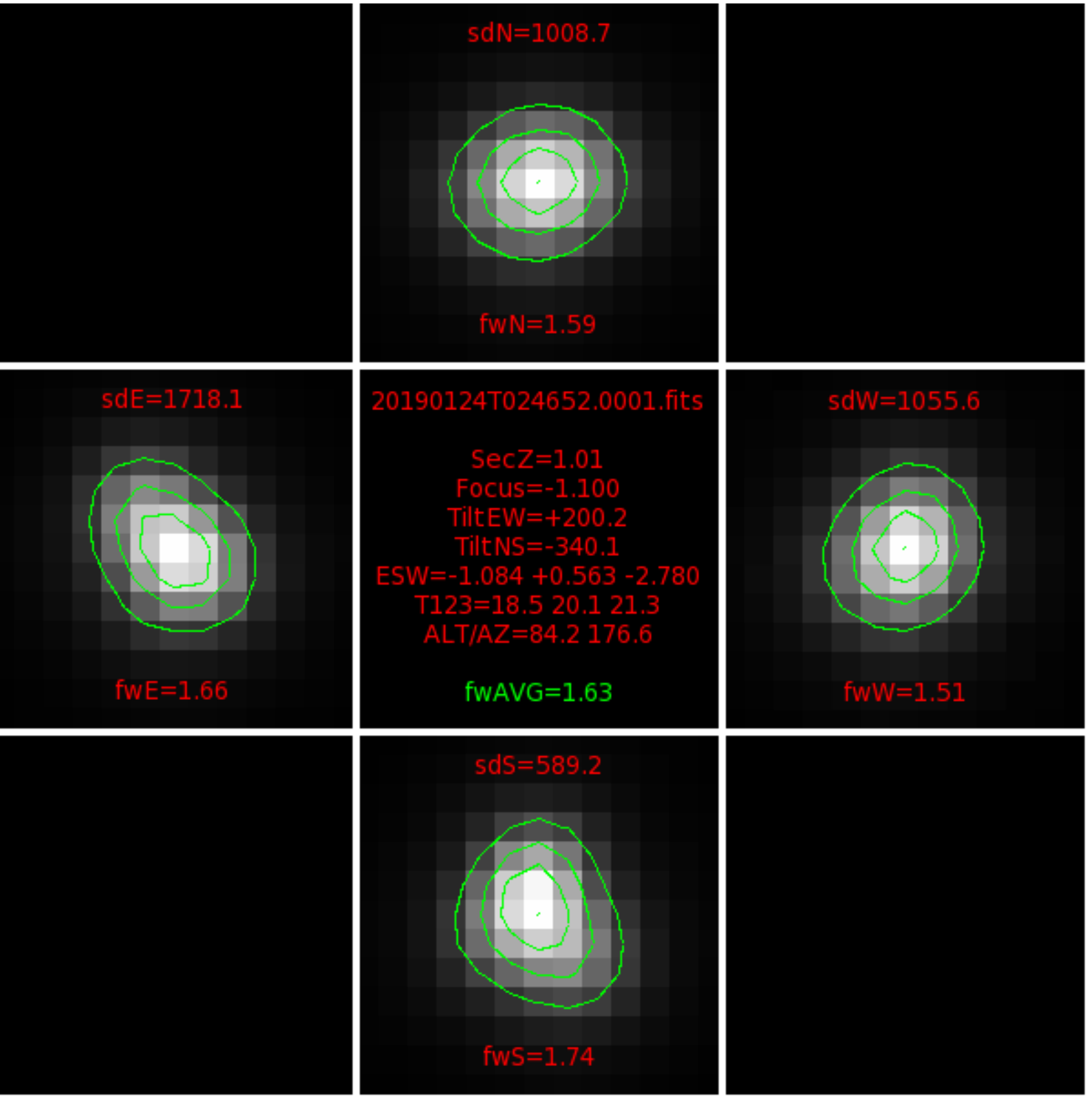
sdN=1008.7
fwN=1.59
sdE=1718.1
fwE=1.66
20190124T024652.0001.fits
SecZ=1.01
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.5 20.1 21.3
ALT/AZ=84.2 176.6
fwAVG=1.63
sdW=1055.6
fwW=1.51
sdS=589.2
fwS=1.74
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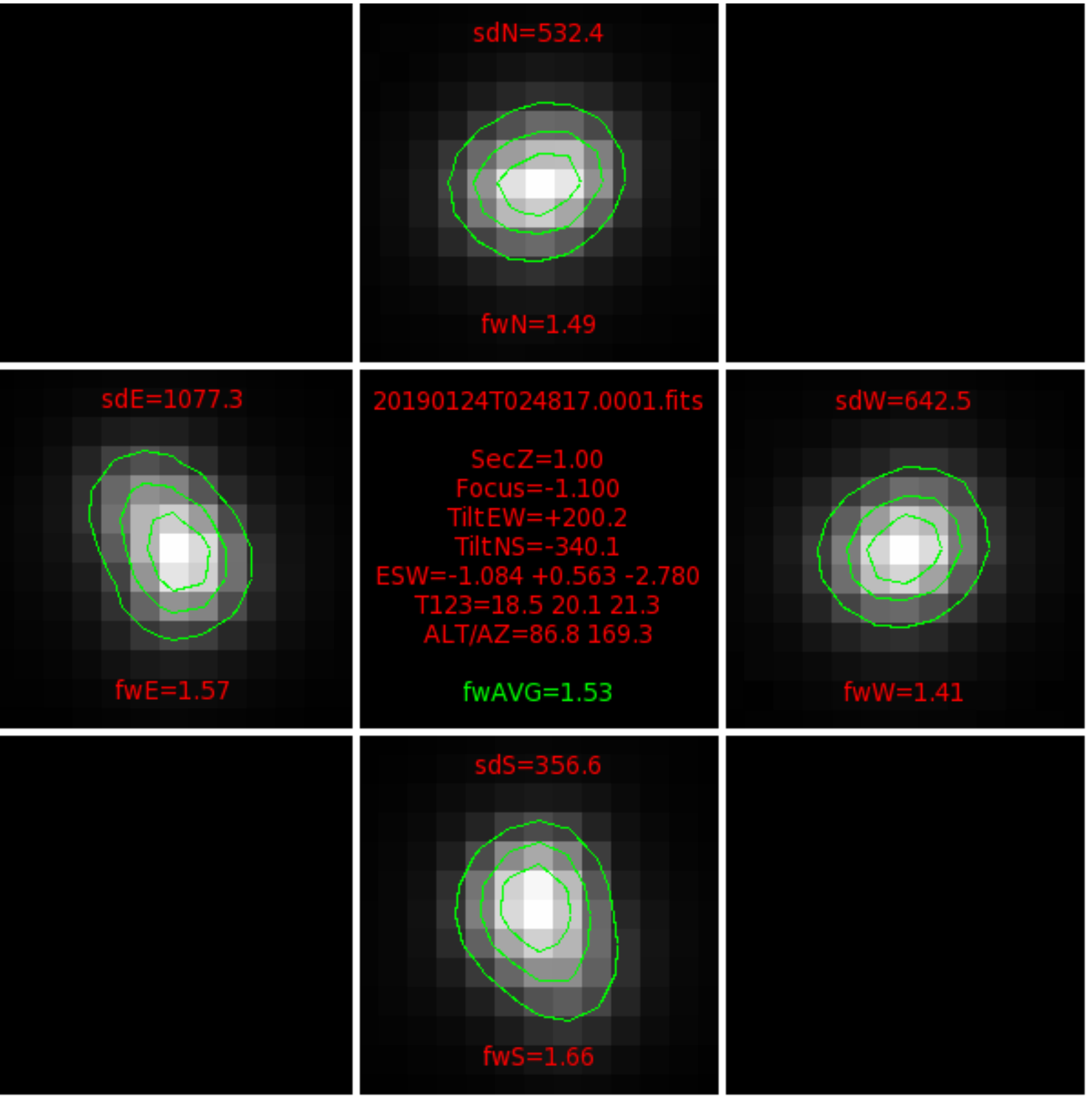
sdN=532.4
fwN=1.49
sdE=1077.3
fwE=1.57
20190124T024817.0001.fits
SecZ=1.00
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.5 20.1 21.3
ALT/AZ=86.8 169.3
fwAVG=1.53
sdW=642.5
fwW=1.41
sdS=356.6
fwS=1.66
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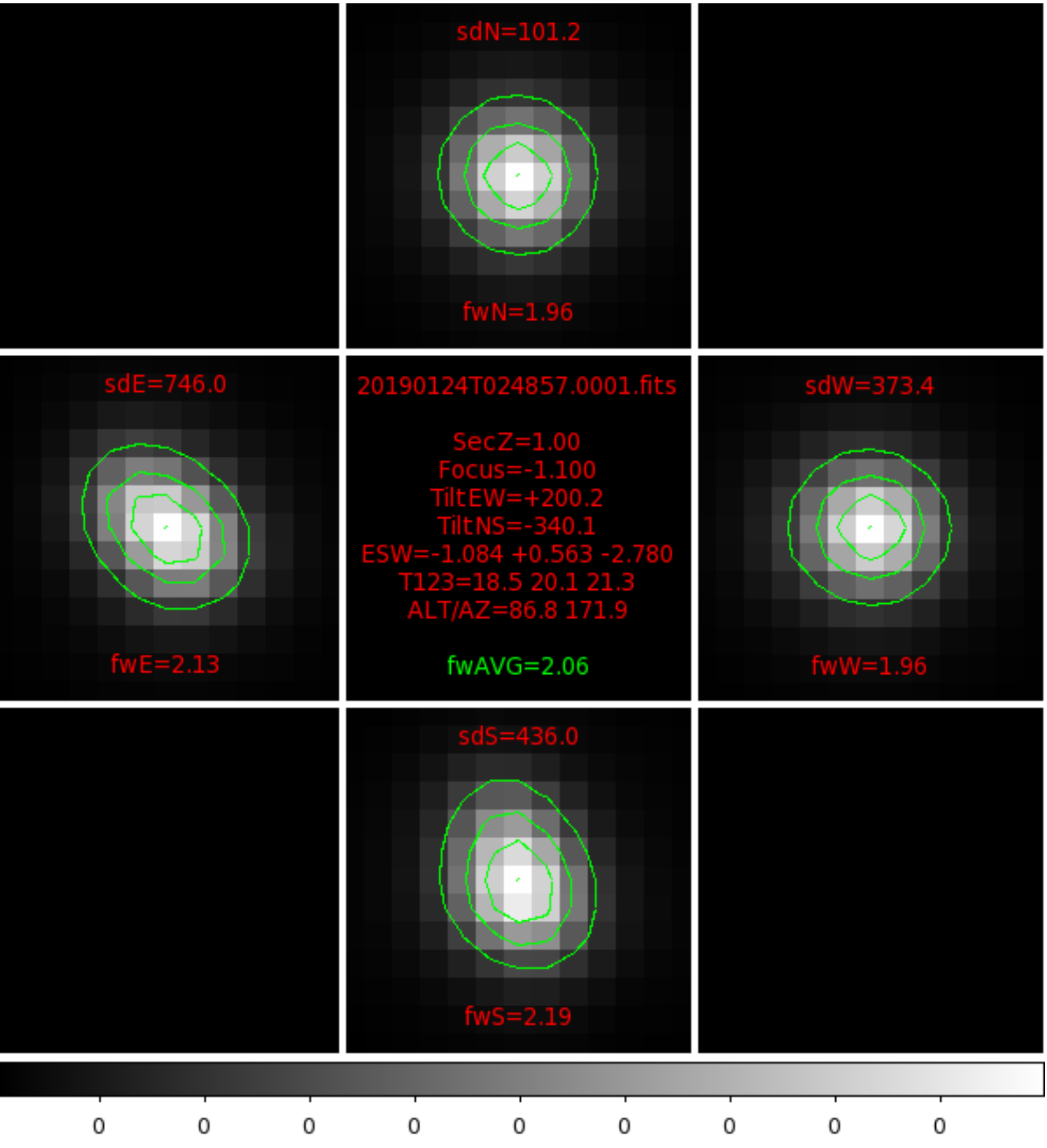
sdN=101.2
fwN=1.96
sdE=746.0
fwE=2.13
20190124T024857.0001.fits
SecZ=1.00
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.5 20.1 21.3
ALT/AZ=86.8 171.9
fwAVG=2.06
sdW=373.4
fwW=1.96
sdS=436.0
fwS=2.19
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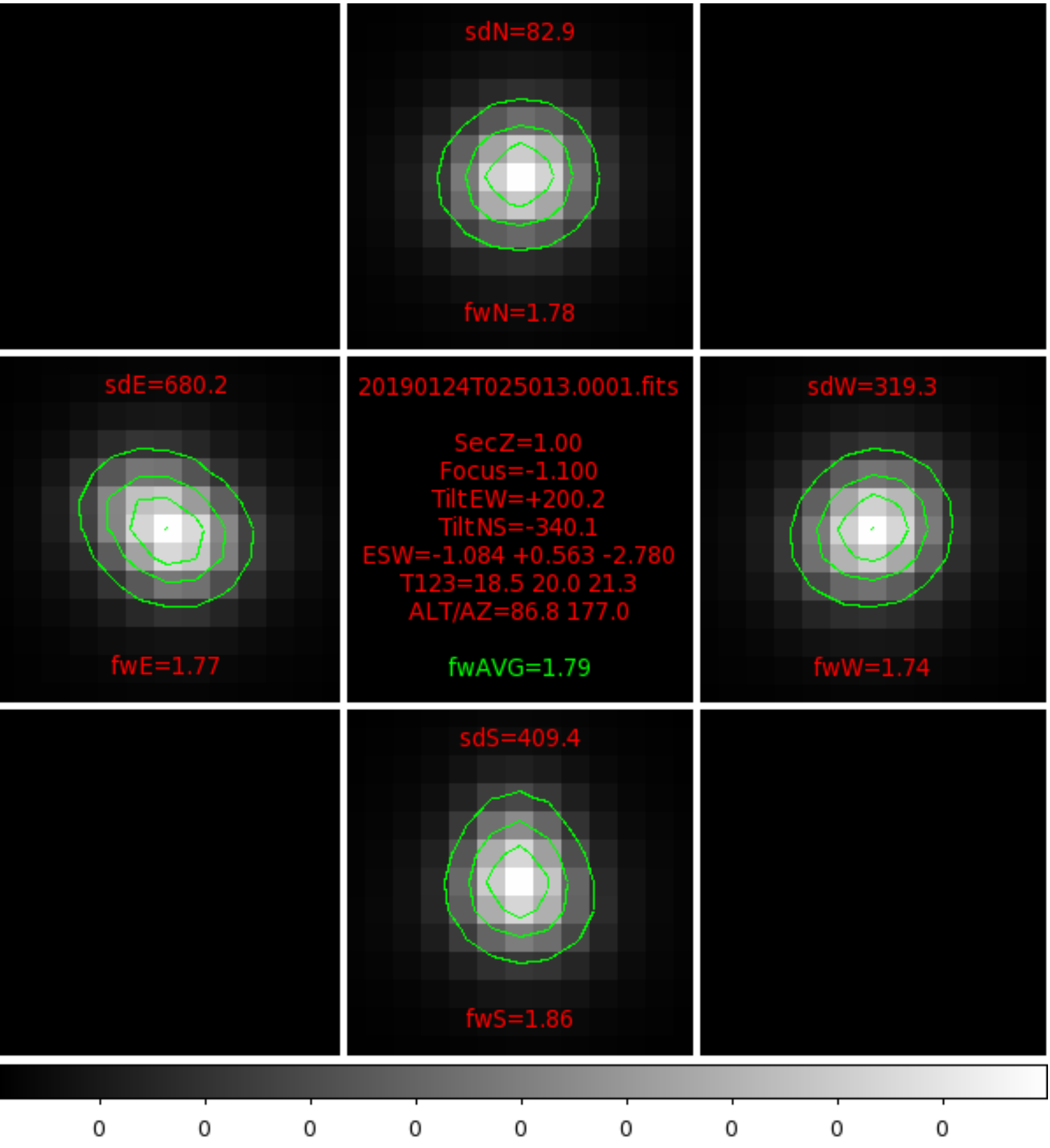
sdN=82.9
fwN=1.78
sdE=680.2
fwE=1.77
20190124T025013.0001.fits
SecZ=1.00
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.5 20.0 21.3
ALT/AZ=86.8 177.0
fwAVG=1.79
sdW=319.3
fwW=1.74
sdS=409.4
fwS=1.86
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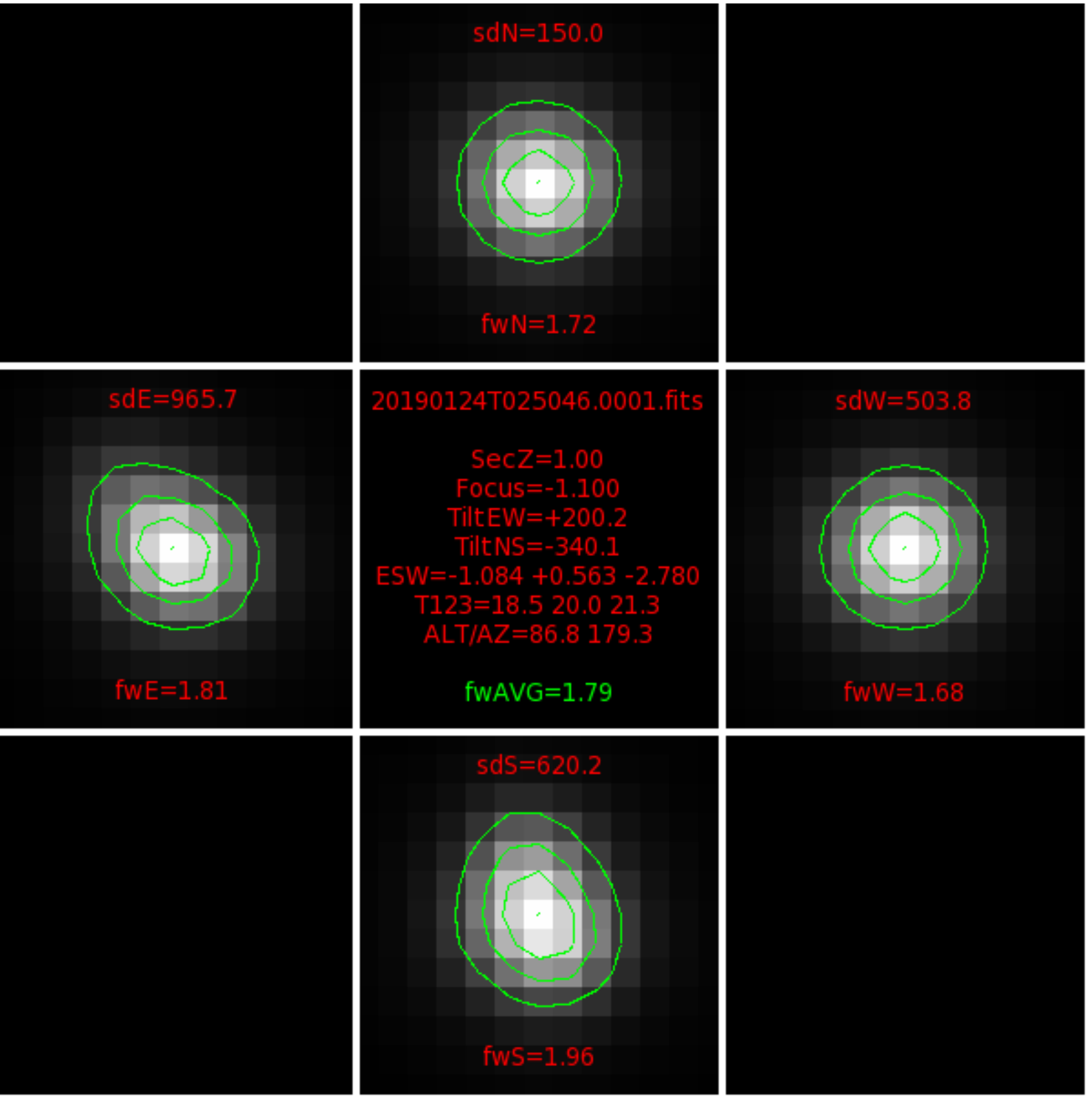
sdN=150.0
fwN=1.72
sdE=965.7
fwE=1.81
20190124T025046.0001.fits
SecZ=1.00
Focus=-1.100
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.084 +0.563 -2.780
T123=18.5 20.0 21.3
ALT/AZ=86.8 179.3
fwAVG=1.79
sdW=503.8
fwW=1.68
sdS=620.2
fwS=1.96
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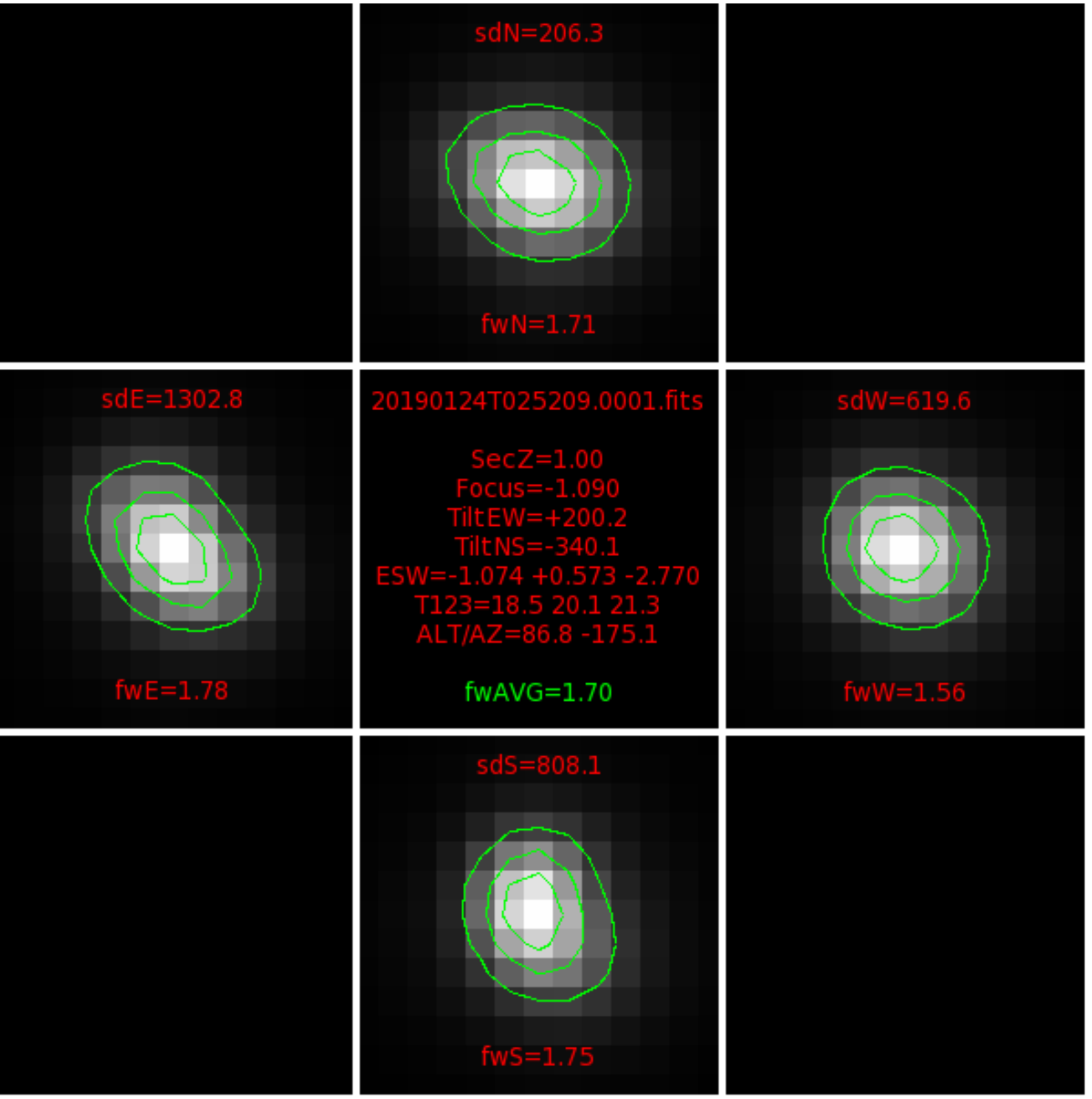
sdN=206.3
fwN=1.71
sdE=1302.8
fwE=1.78
20190124T025209.0001.fits
SecZ=1.00
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.5 20.1 21.3
ALT/AZ=86.8 -175.1
fwAVG=1.70
sdW=619.6
fwW=1.56
sdS=808.1
fwS=1.75
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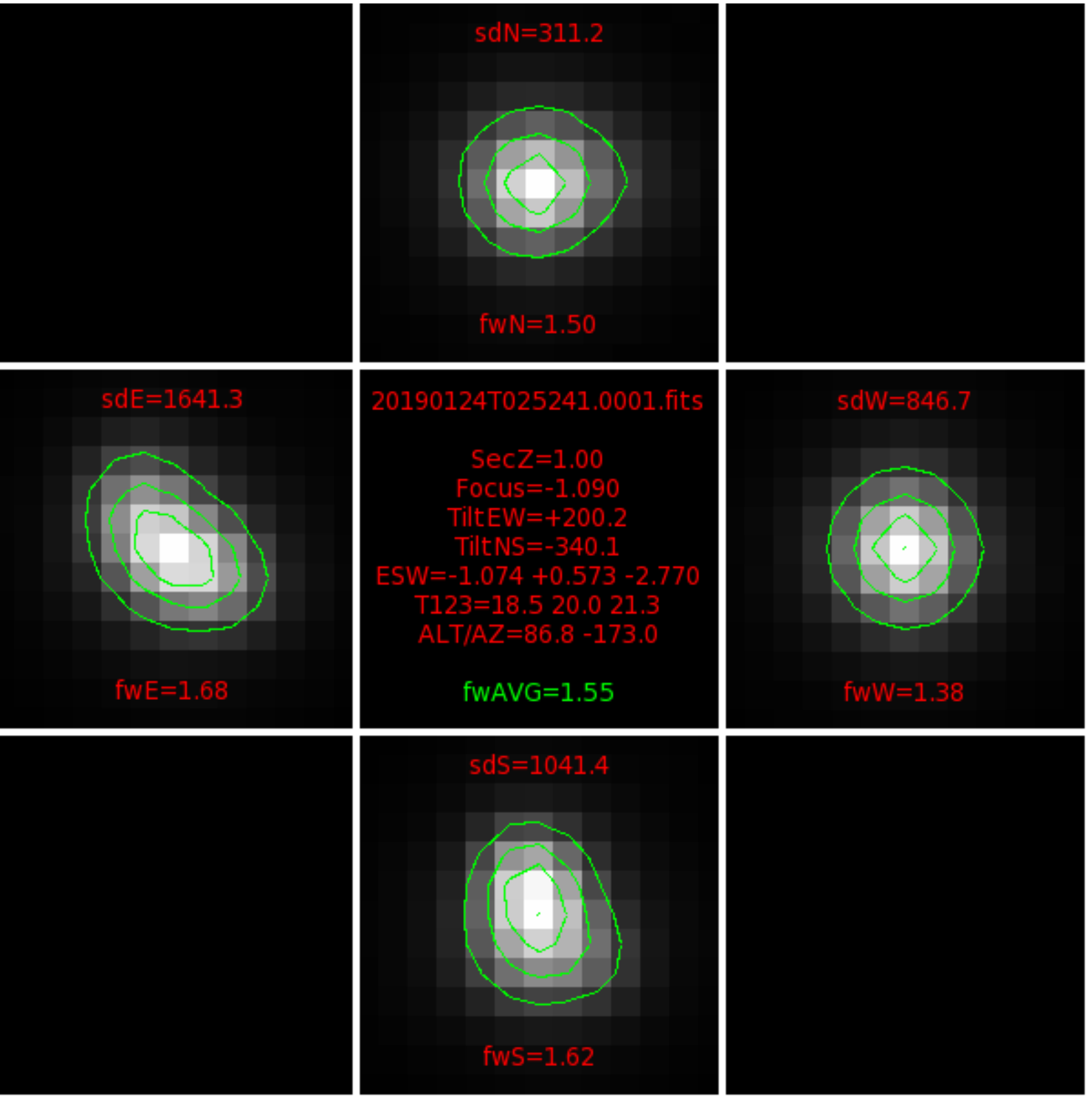
sdN=311.2
fwN=1.50
sdE=1641.3
fwE=1.68
20190124T025241.0001.fits
SecZ=1.00
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.5 20.0 21.3
ALT/AZ=86.8 -173.0
fwAVG=1.55
sdW=846.7
fwW=1.38
sdS=1041.4
fwS=1.62
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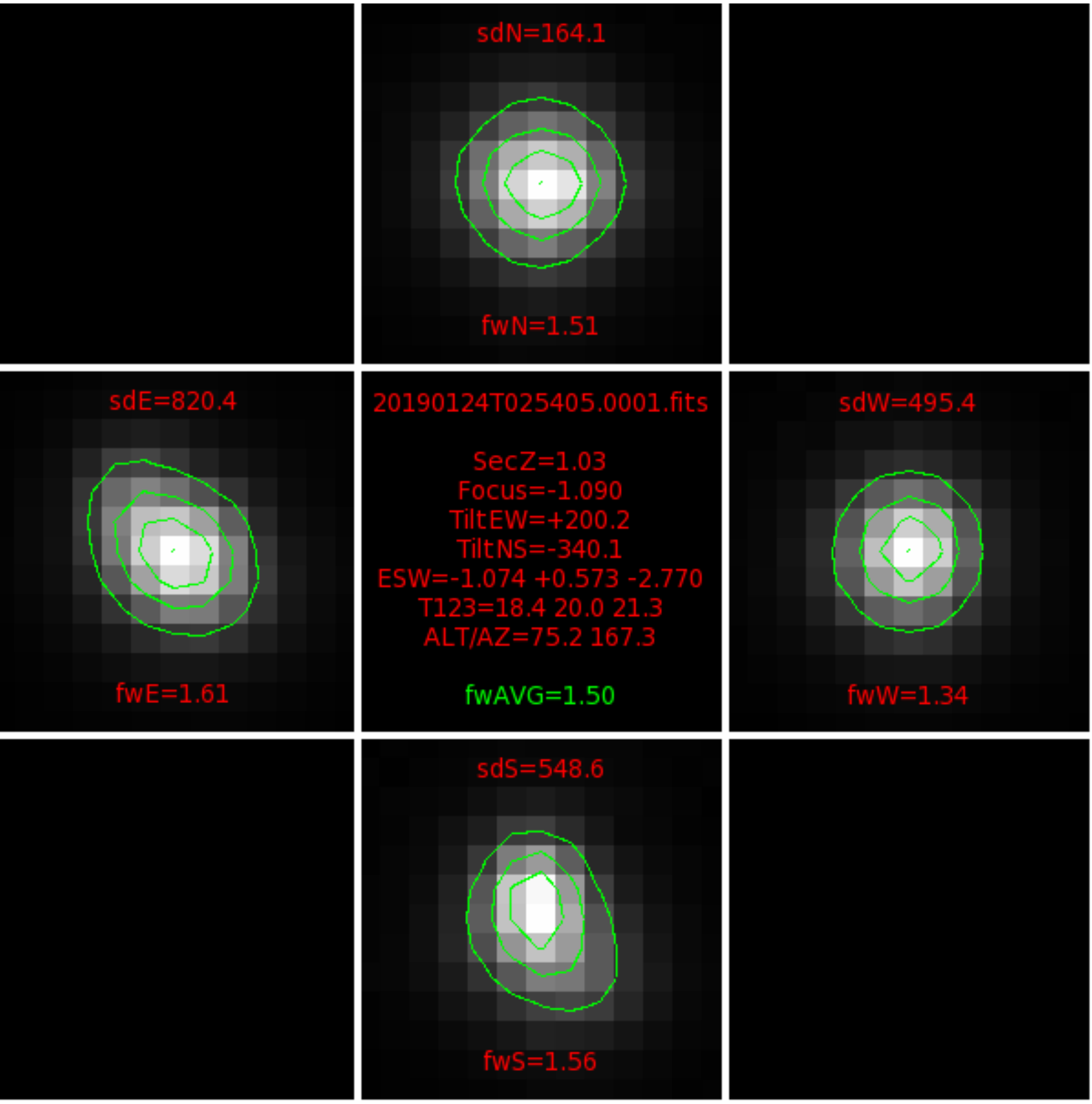
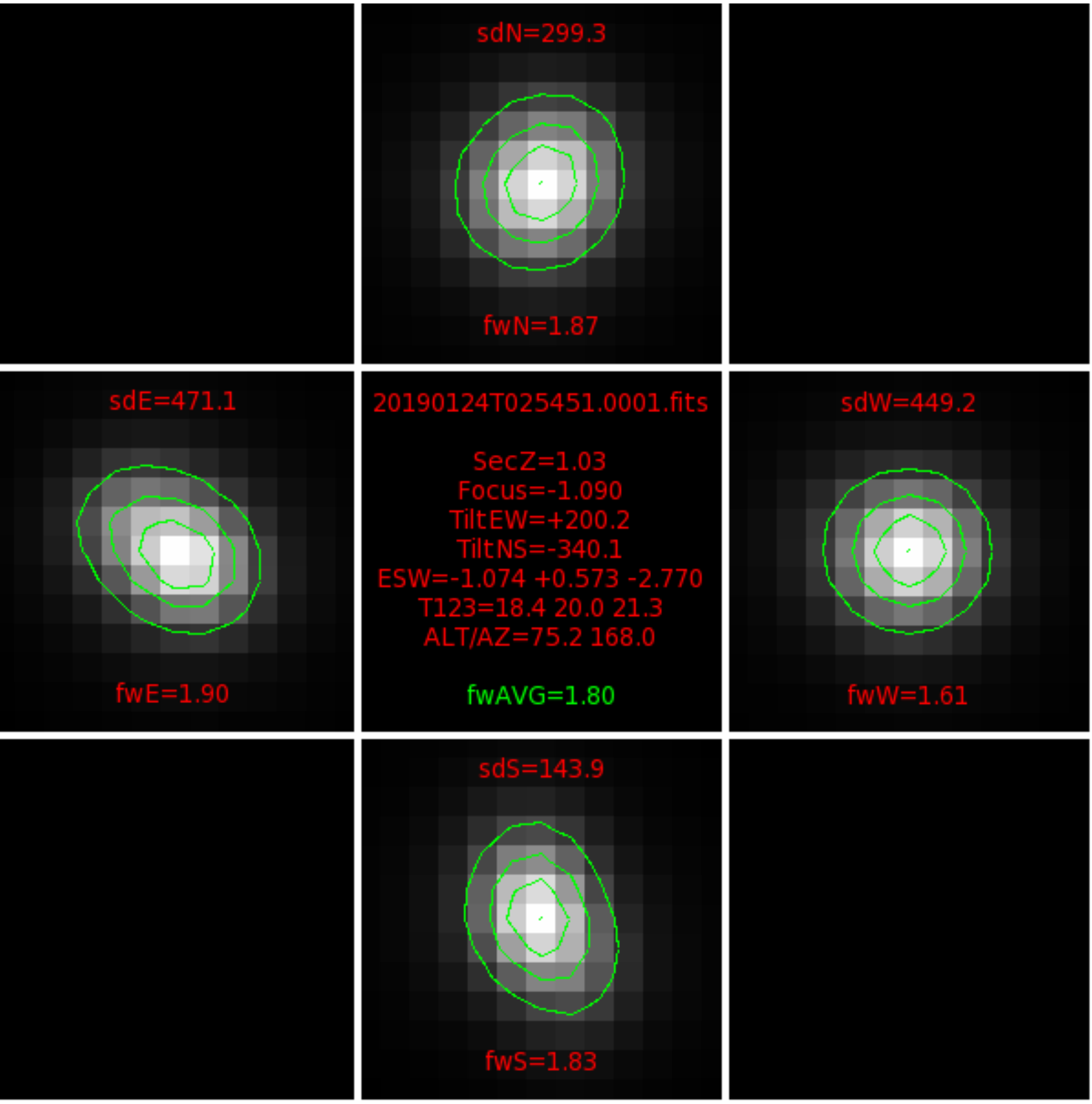

sdN=164.1
fwN=1.51
sdE=820.4
fwE=1.61
20190124T025405.0001.fits
SecZ=1.03
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.4 20.0 21.3
ALT/AZ=75.2 167.3
fwAVG=1.50
sdW=495.4
fwW=1.34
sdS=548.6
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=299.3
fwN=1.87
sdE=471.1
fwE=1.90
20190124T025451.0001.fits
SecZ=1.03
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.4 20.0 21.3
ALT/AZ=75.2 168.0
fwAVG=1.80
sdW=449.2
fwW=1.61
sdS=143.9
fwS=1.83
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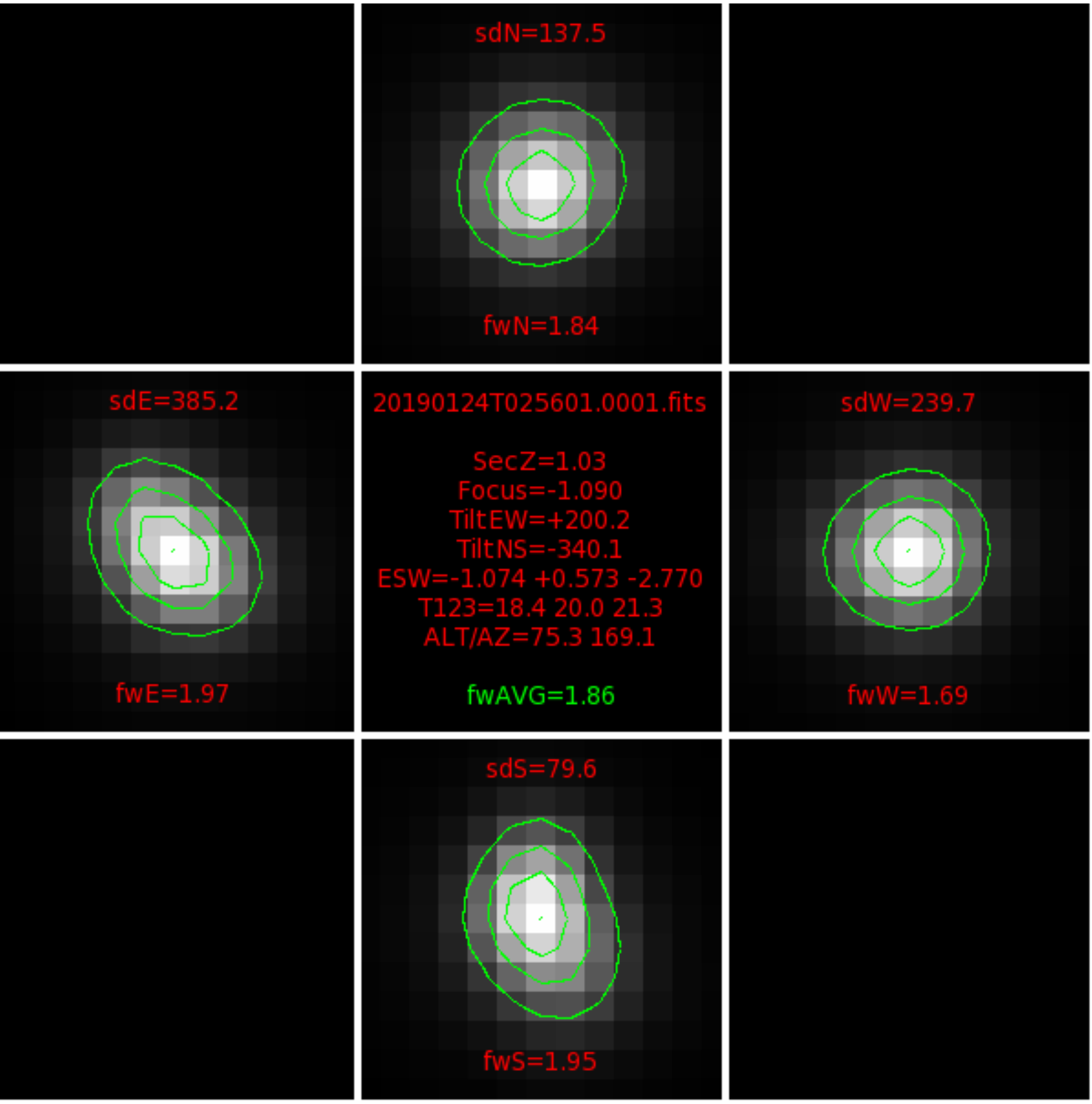
sdN=137.5
fwN=1.84
sdE=385.2
fwE=1.97
20190124T025601.0001.fits
SecZ=1.03
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.4 20.0 21.3
ALT/AZ=75.3 169.1
fwAVG=1.86
sdW=239.7
fwW=1.69
sdS=79.6
fwS=1.95
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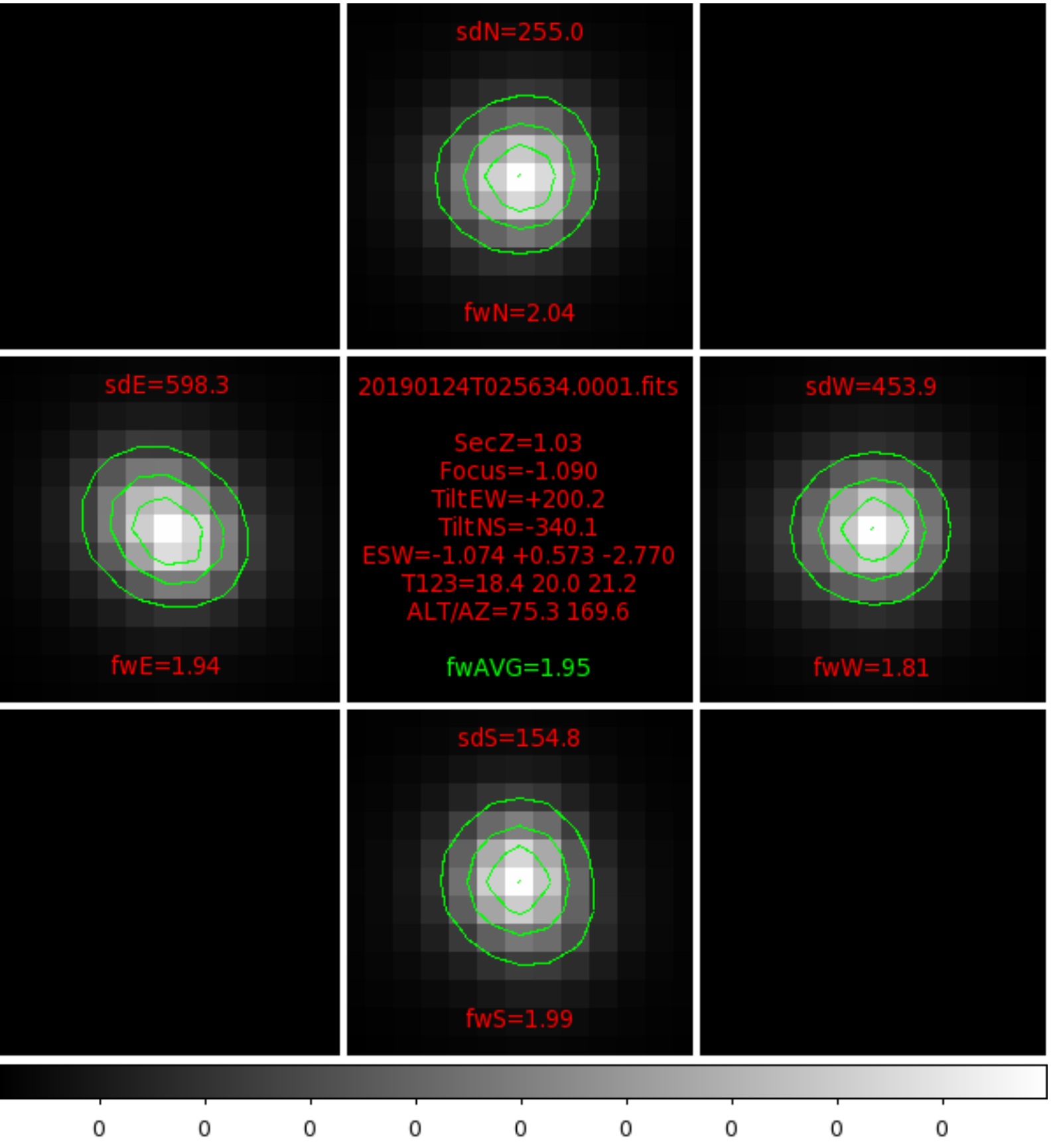
sdN=255.0
fwN=2.04
sdE=598.3
fwE=1.94
20190124T025634.0001.fits
SecZ=1.03
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.4 20.0 21.2
ALT/AZ=75.3 169.6
fwAVG=1.95
sdW=453.9
fwW=1.81
sdS=154.8
fwS=1.99
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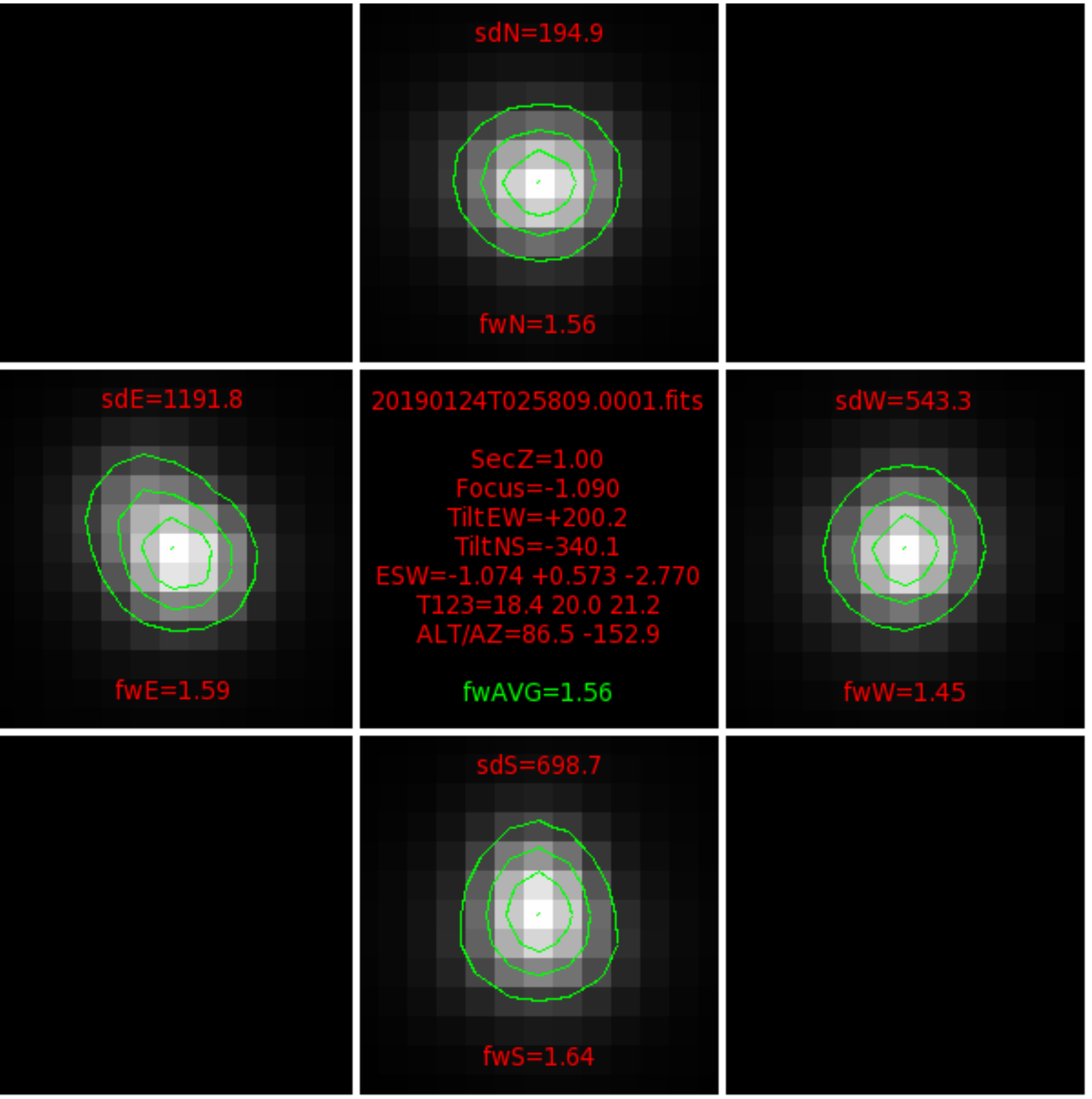
sdN=194.9
fwN=1.56
sdE=1191.8
fwE=1.59
20190124T025809.0001.fits
SecZ=1.00
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.4 20.0 21.2
ALT/AZ=86.5 -152.9
fwAVG=1.56
sdW=543.3
fwW=1.45
sdS=698.7
fwS=1.64
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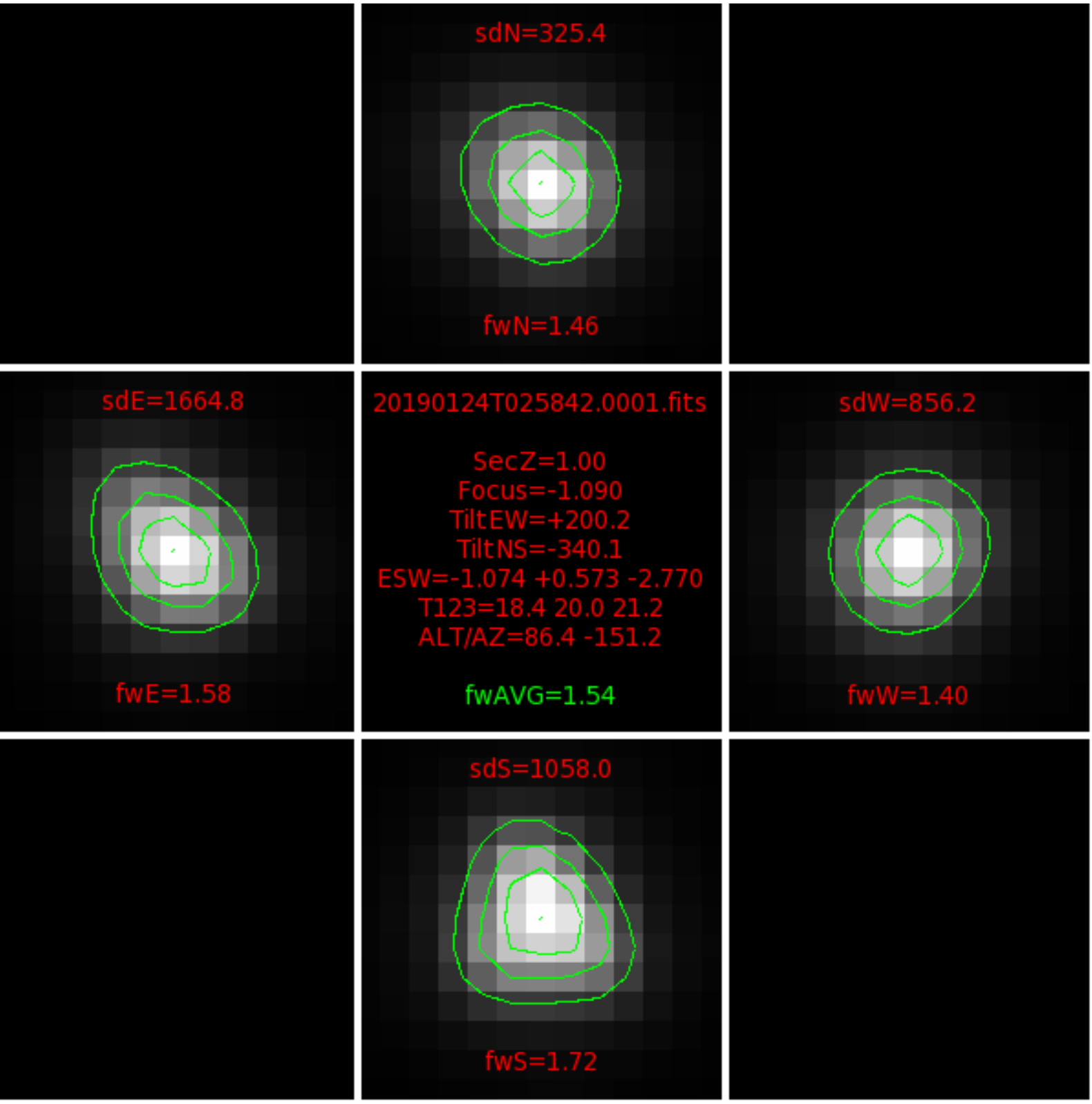
sdN=325.4
fwN=1.46
sdE=1664.8
fwE=1.58
20190124T025842.0001.fits
SecZ=1.00
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.4 20.0 21.2
ALT/AZ=86.4 -151.2
fwAVG=1.54
sdW=856.2
fwW=1.40
sdS=1058.0
fwS=1.72
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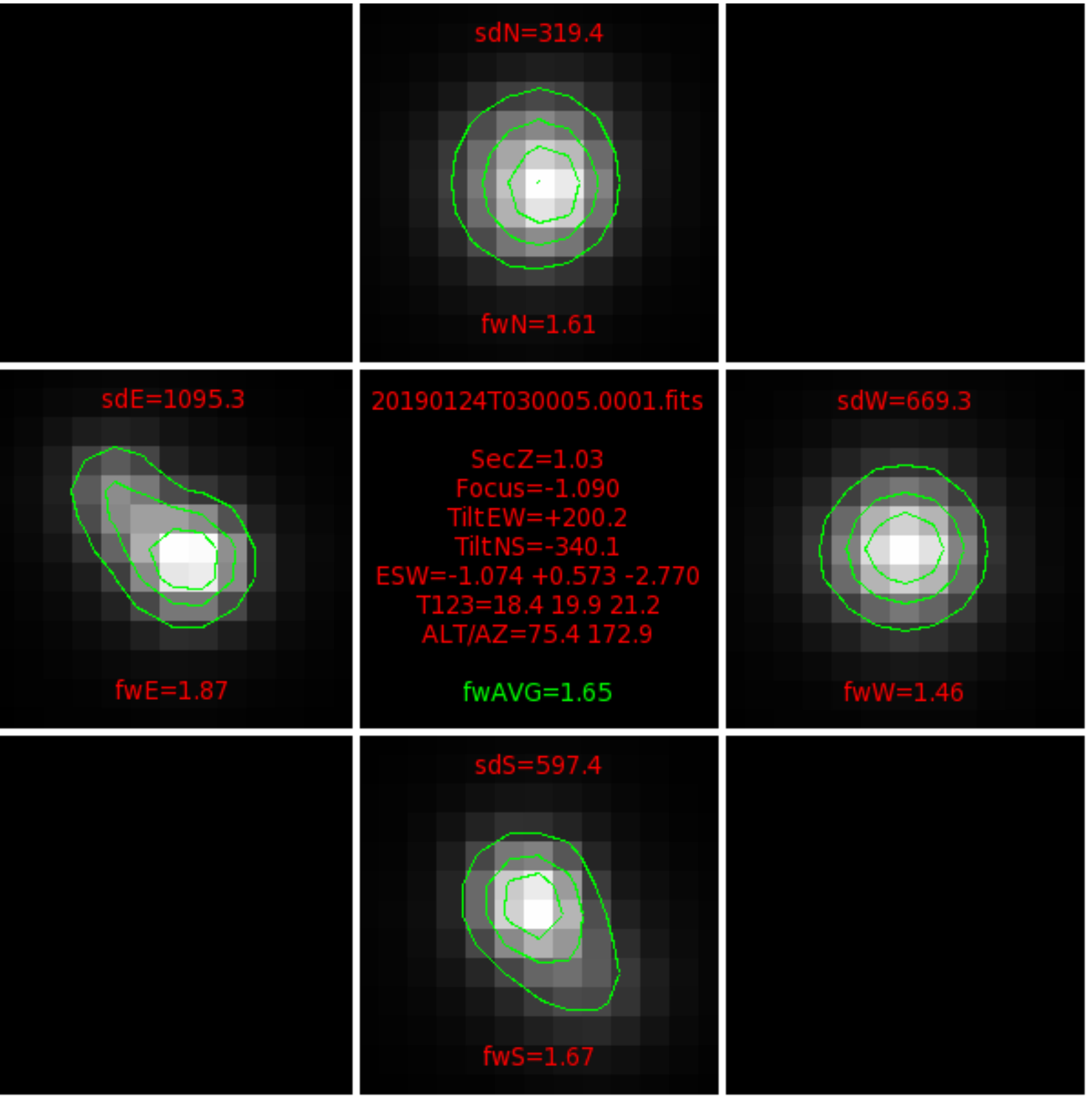
sdN=319.4
fwN=1.61
sdE=1095.3
fwE=1.87
20190124T030005.0001.fits
SecZ=1.03
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.4 19.9 21.2
ALT/AZ=75.4 172.9
fwAVG=1.65
sdW=669.3
fwW=1.46
sdS=597.4
fwS=1.67
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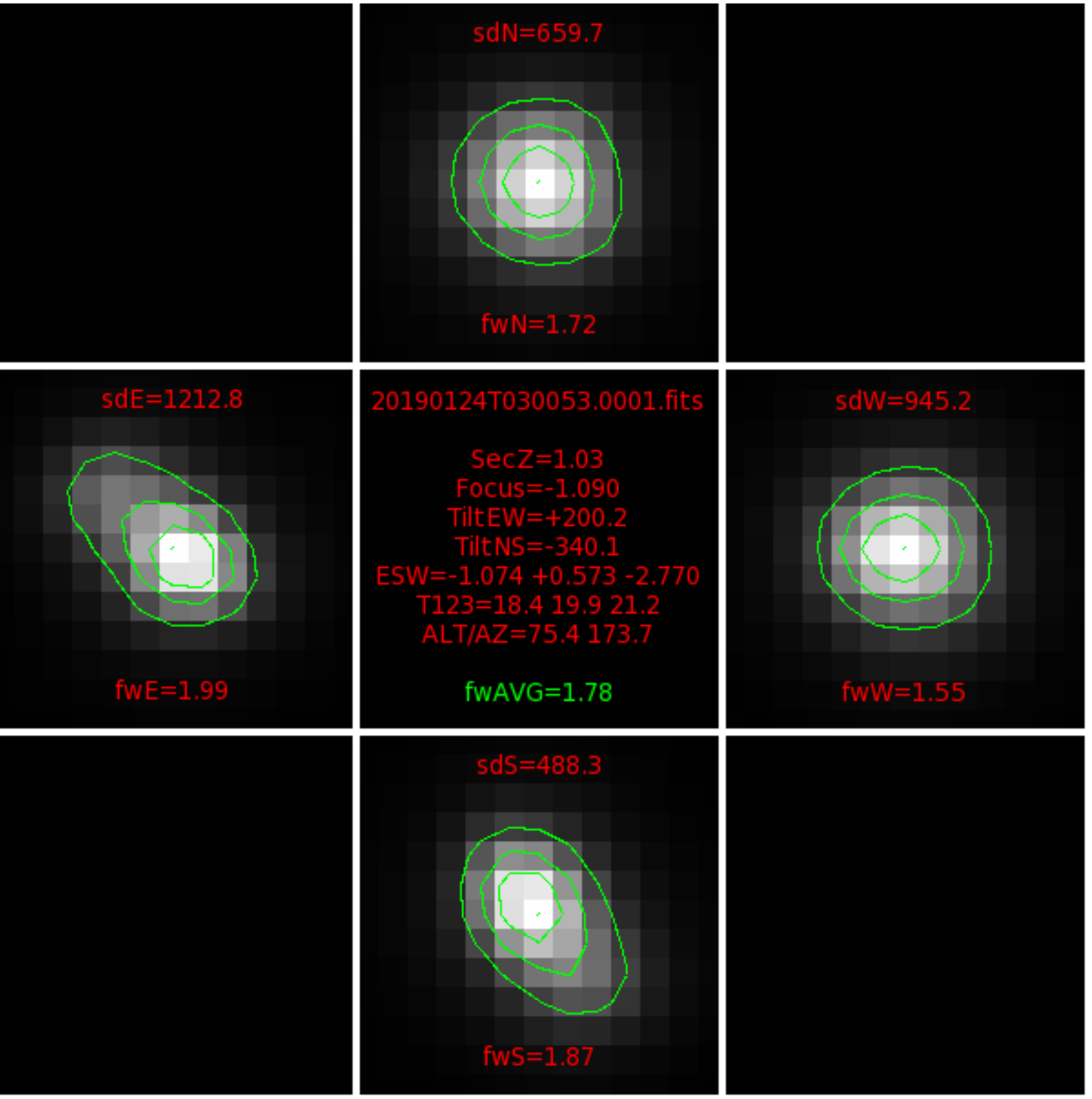
sdN=659.7
fwN=1.72
sdE=1212.8
fwE=1.99
20190124T030053.0001.fits
SecZ=1.03
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.4 19.9 21.2
ALT/AZ=75.4 173.7
fwAVG=1.78
sdW=945.2
fwW=1.55
sdS=488.3
fwS=1.87
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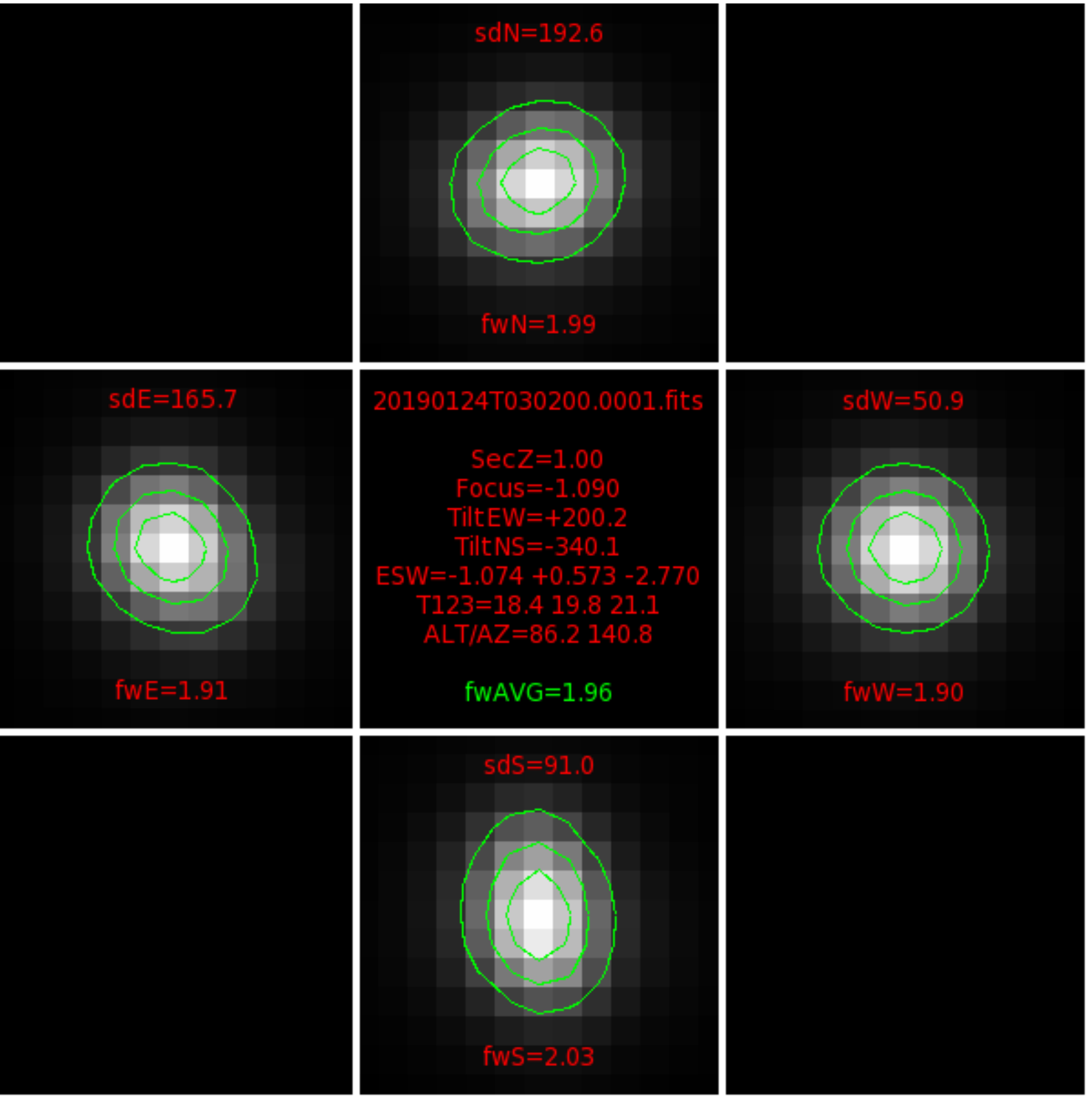
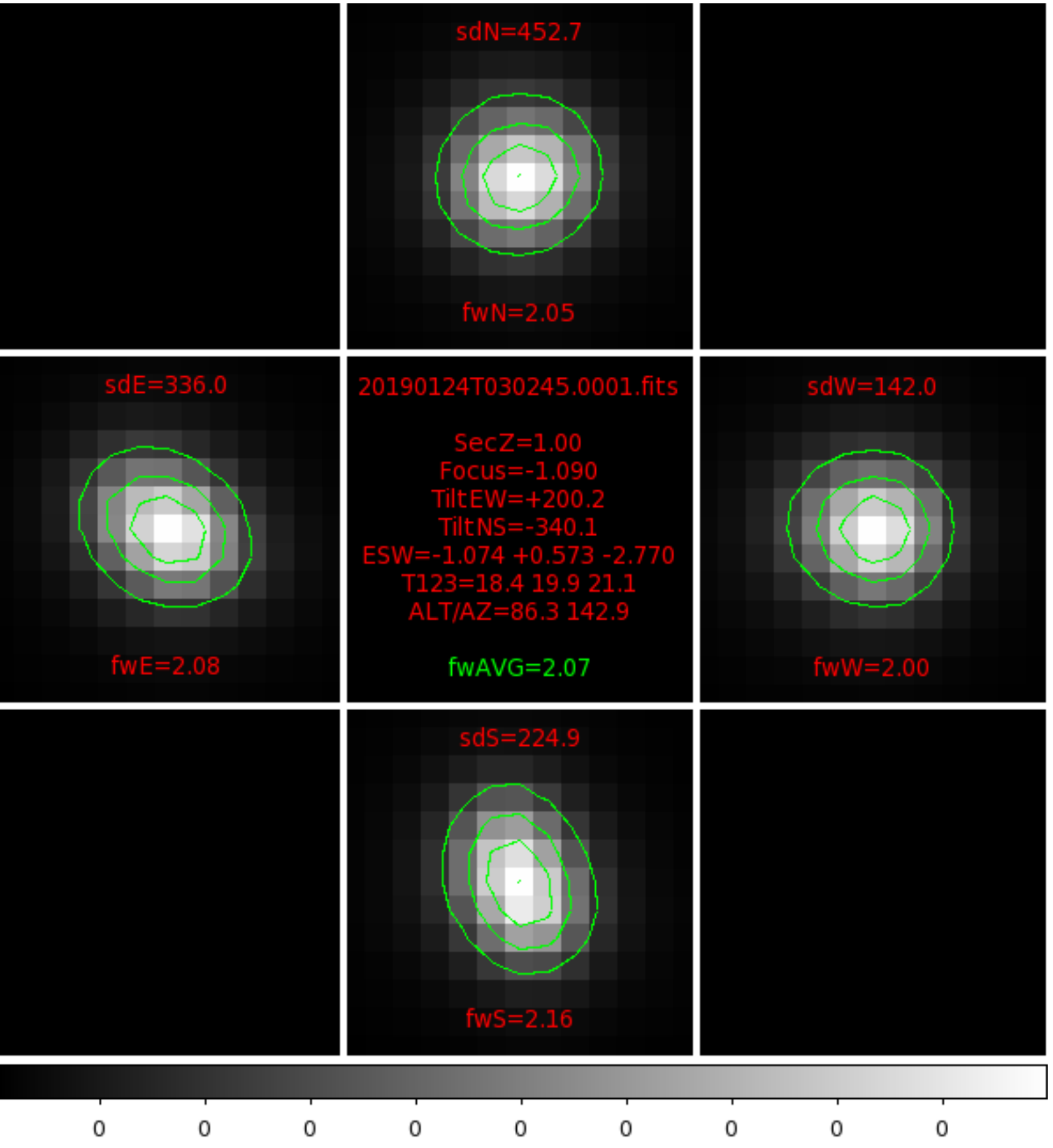

sdN=192.6
fwN=1.99
sdE=165.7
fwE=1.91
20190124T030200.0001.fits
SecZ=1.00
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.4 19.8 21.1
ALT/AZ=86.2 140.8
fwAVG=1.96
sdW=50.9
fwW=1.90
sdS=91.0
fwS=2.03
0 0 0 0 0 0 0 0 0


sdN=452.7
fwN=2.05
sdE=336.0
fwE=2.08
20190124T030245.0001.fits
SecZ=1.00
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.4 19.9 21.1
ALT/AZ=86.3 142.9
fwAVG=2.07
sdW=142.0
fwW=2.00
sdS=224.9
fwS=2.16
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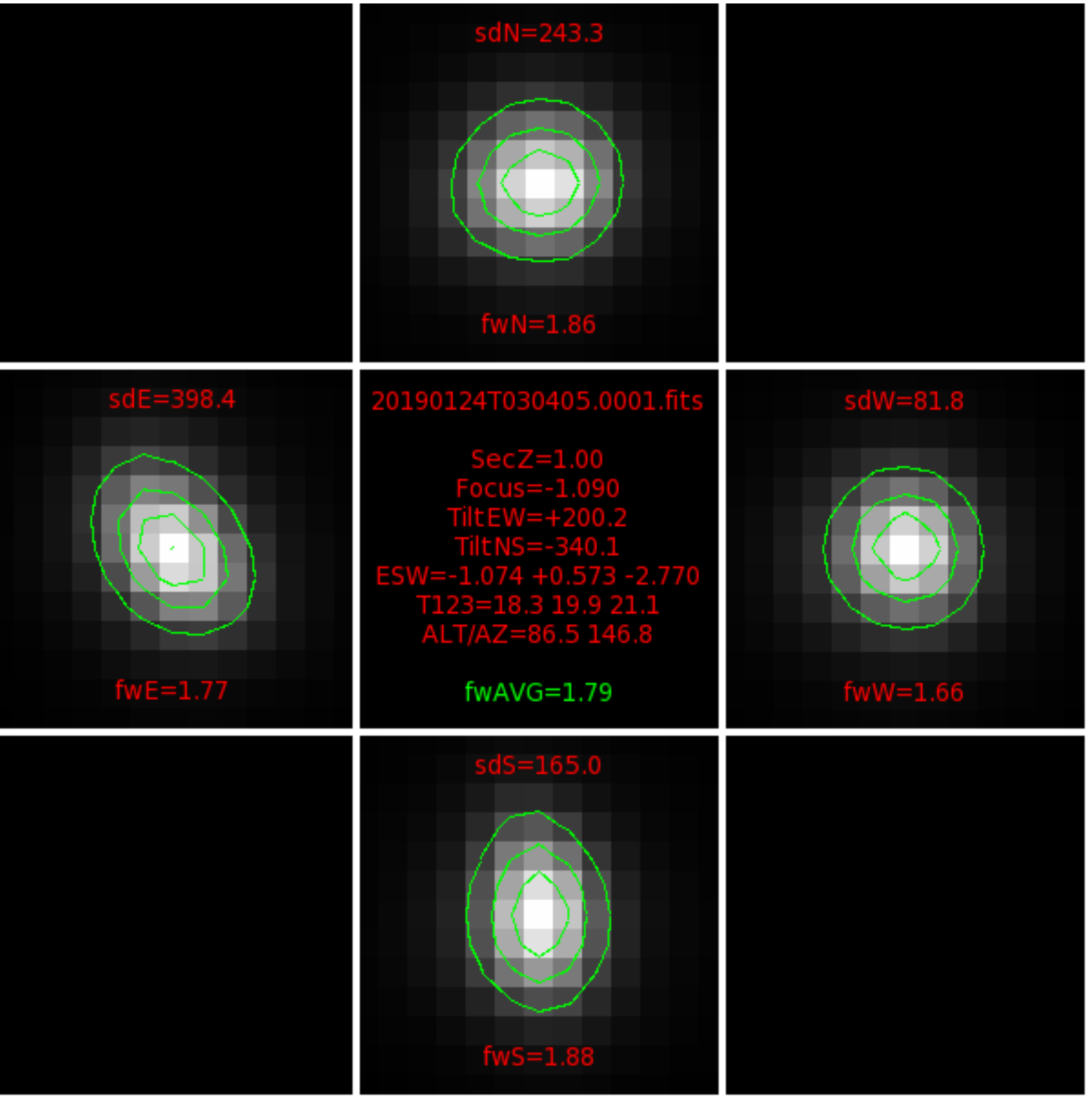
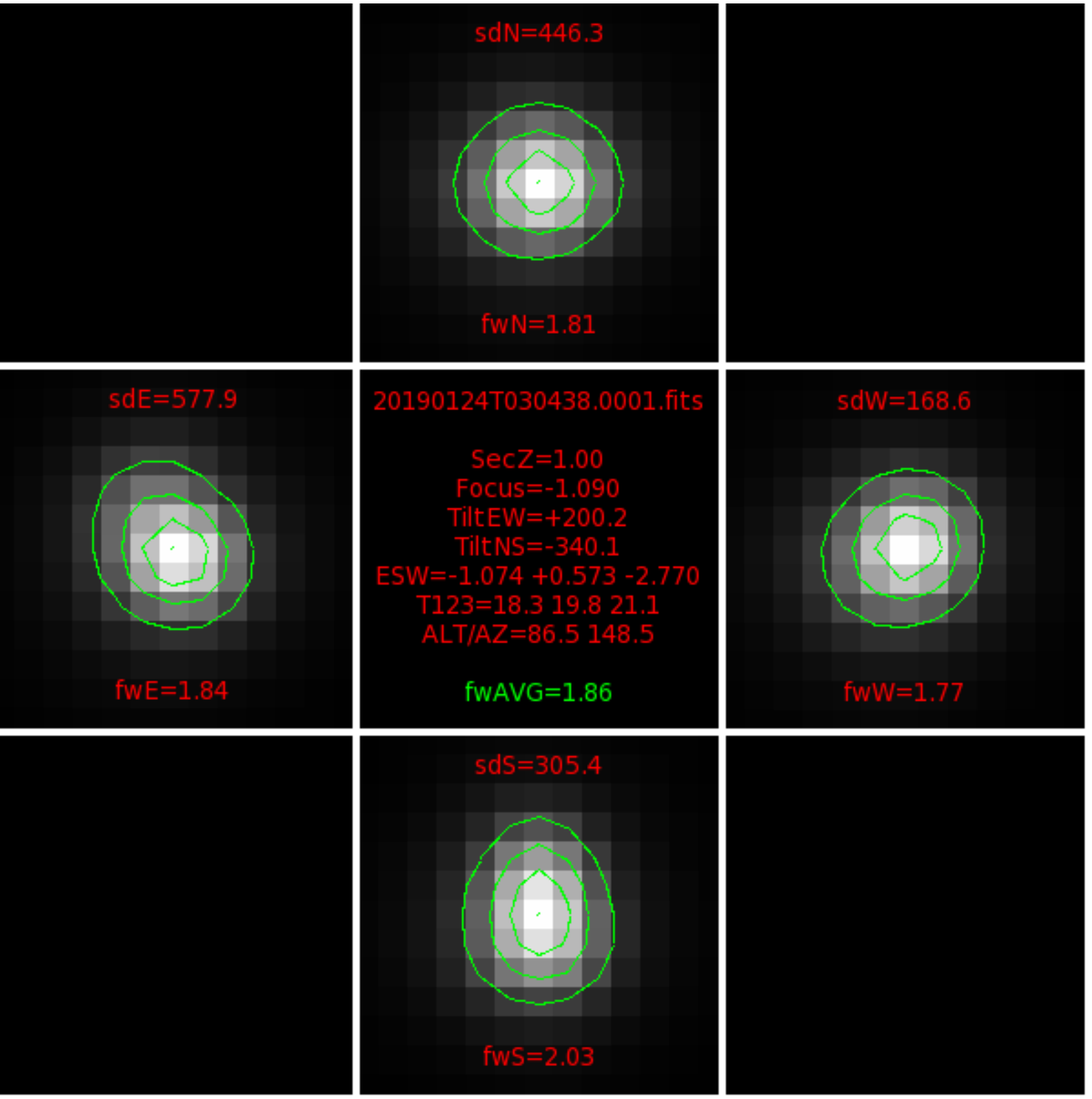

sdN=243.3
fwN=1.86
sdE=398.4
fwE=1.77
20190124T030405.0001.fits
SecZ=1.00
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.3 19.9 21.1
ALT/AZ=86.5 146.8
fwAVG=1.79
sdW=81.8
fwW=1.66
sdS=165.0
fwS=1.88
0 0 0 0 0 0 0 0 0


sdN=446.3
fwN=1.81
sdE=577.9
fwE=1.84
20190124T030438.0001.fits
SecZ=1.00
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.3 19.8 21.1
ALT/AZ=86.5 148.5
fwAVG=1.86
sdW=168.6
fwW=1.77
sdS=305.4
fwS=2.03
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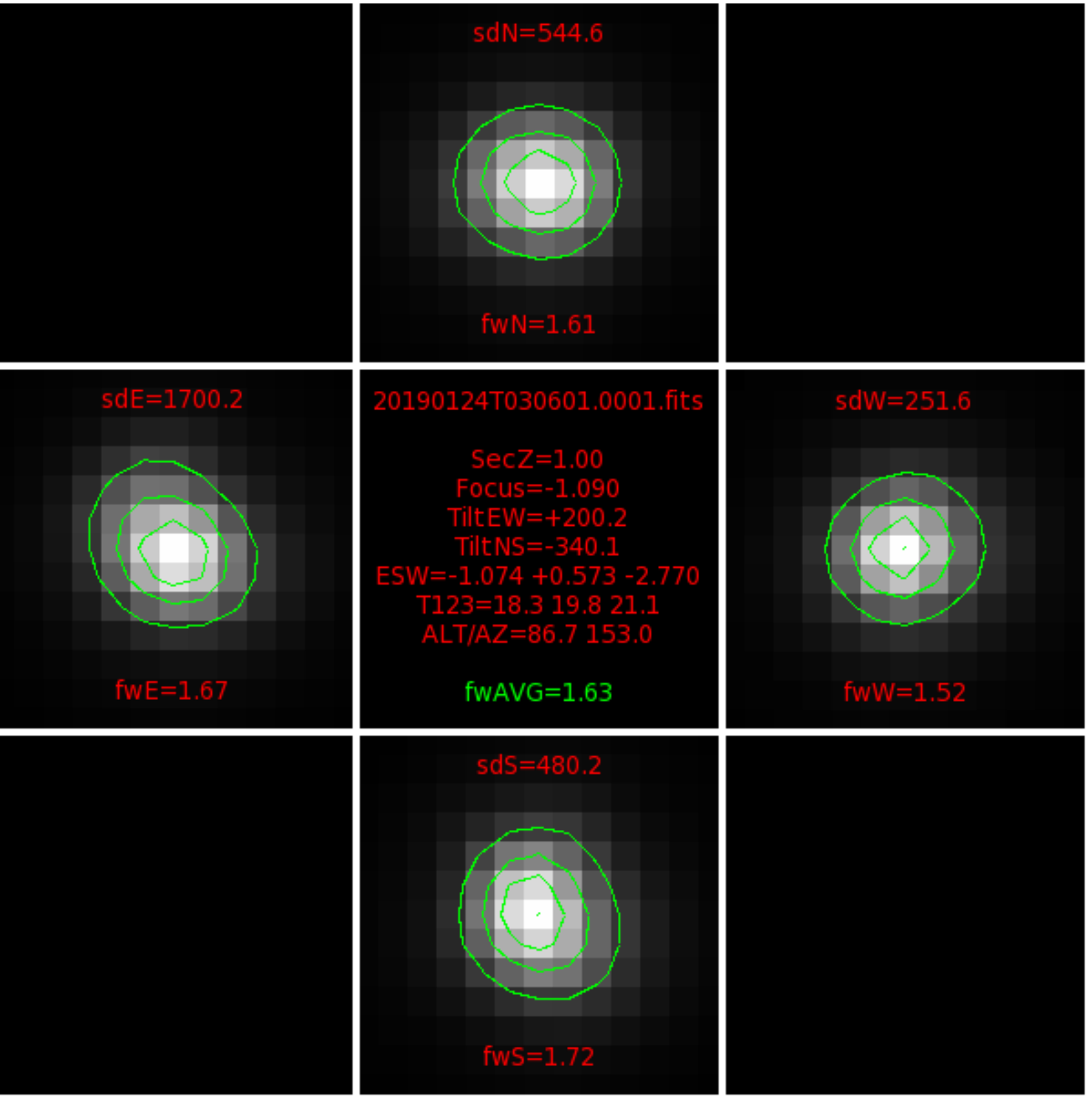
sdN=544.6
fwN=1.61
sdE=1700.2
fwE=1.67
20190124T030601.0001.fits
SecZ=1.00
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.3 19.8 21.1
ALT/AZ=86.7 153.0
fwAVG=1.63
sdW=251.6
fwW=1.52
sdS=480.2
fwS=1.72
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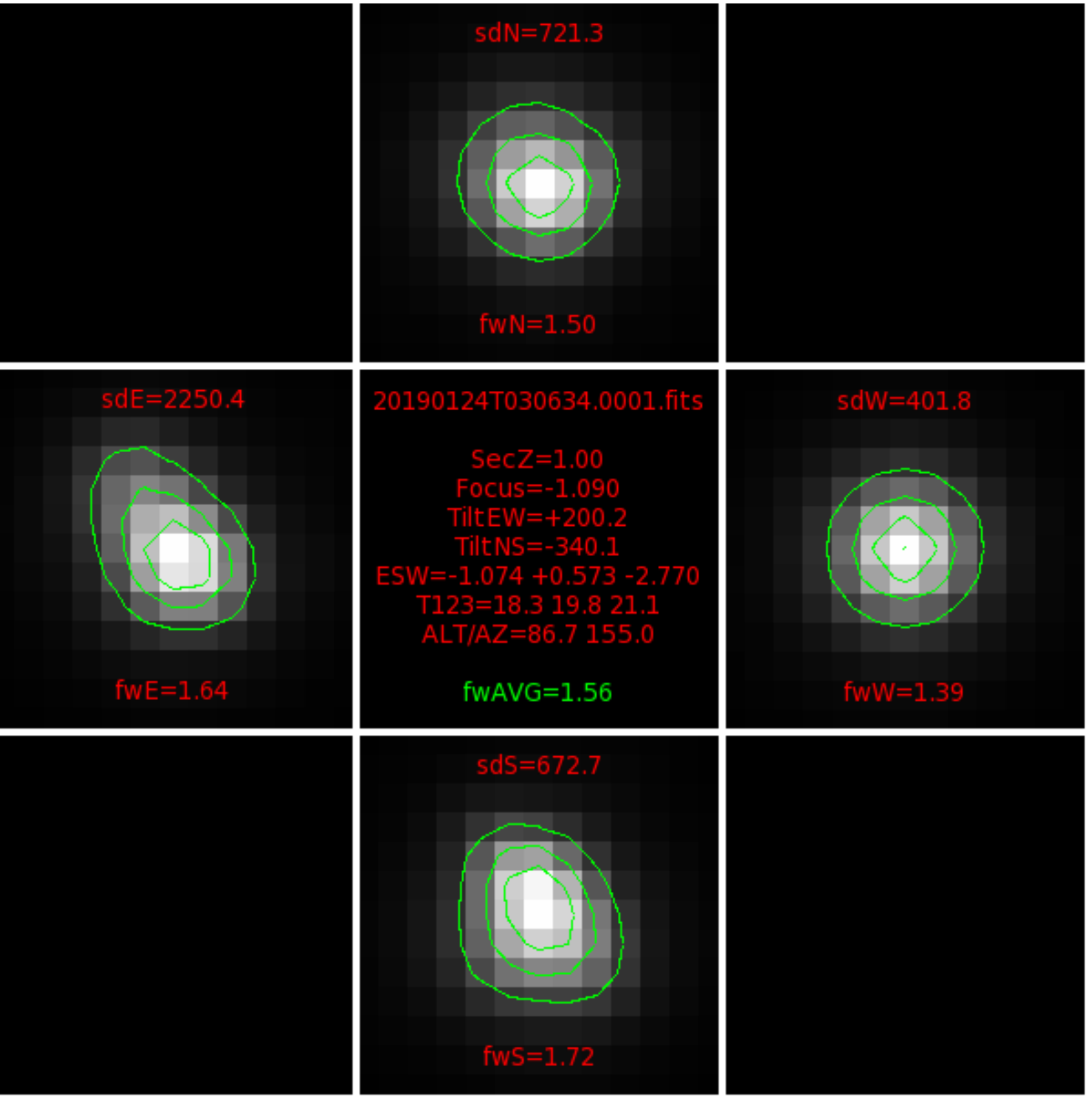
sdN=721.3
fwN=1.50
sdE=2250.4
fwE=1.64
20190124T030634.0001.fits
SecZ=1.00
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.3 19.8 21.1
ALT/AZ=86.7 155.0
fwAVG=1.56
sdW=401.8
fwW=1.39
sdS=672.7
fwS=1.72
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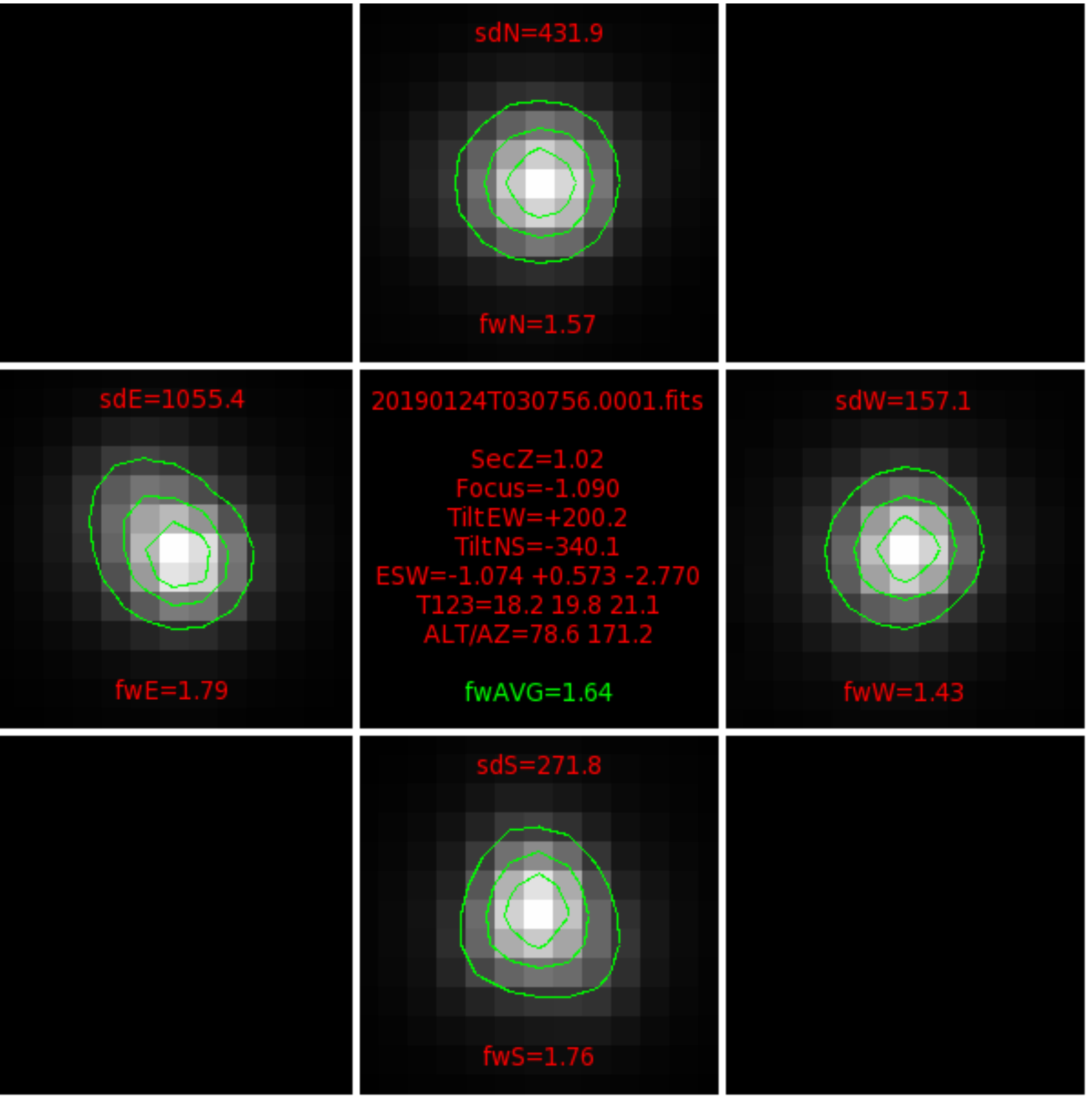
sdN=431.9
fwN=1.57
sdE=1055.4
fwE=1.79
20190124T030756.0001.fits
SecZ=1.02
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.2 19.8 21.1
ALT/AZ=78.6 171.2
fwAVG=1.64
sdW=157.1
fwW=1.43
sdS=271.8
fwS=1.76
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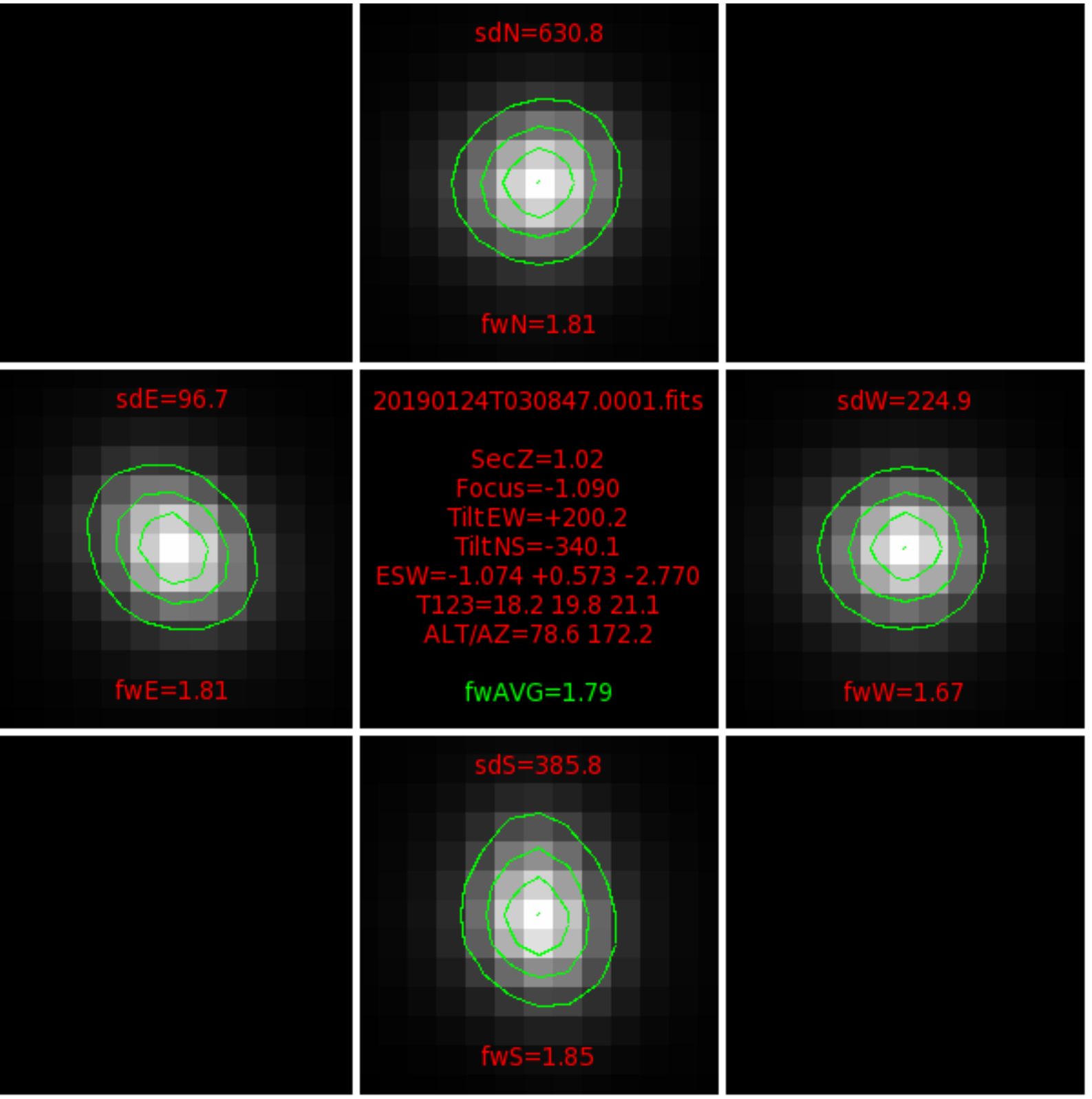
sdN=630.8
fwN=1.81
sdE=96.7
fwE=1.81
20190124T030847.0001.fits
SecZ=1.02
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.2 19.8 21.1
ALT/AZ=78.6 172.2
fwAVG=1.79
sdW=224.9
fwW=1.67
sdS=385.8
fwS=1.85
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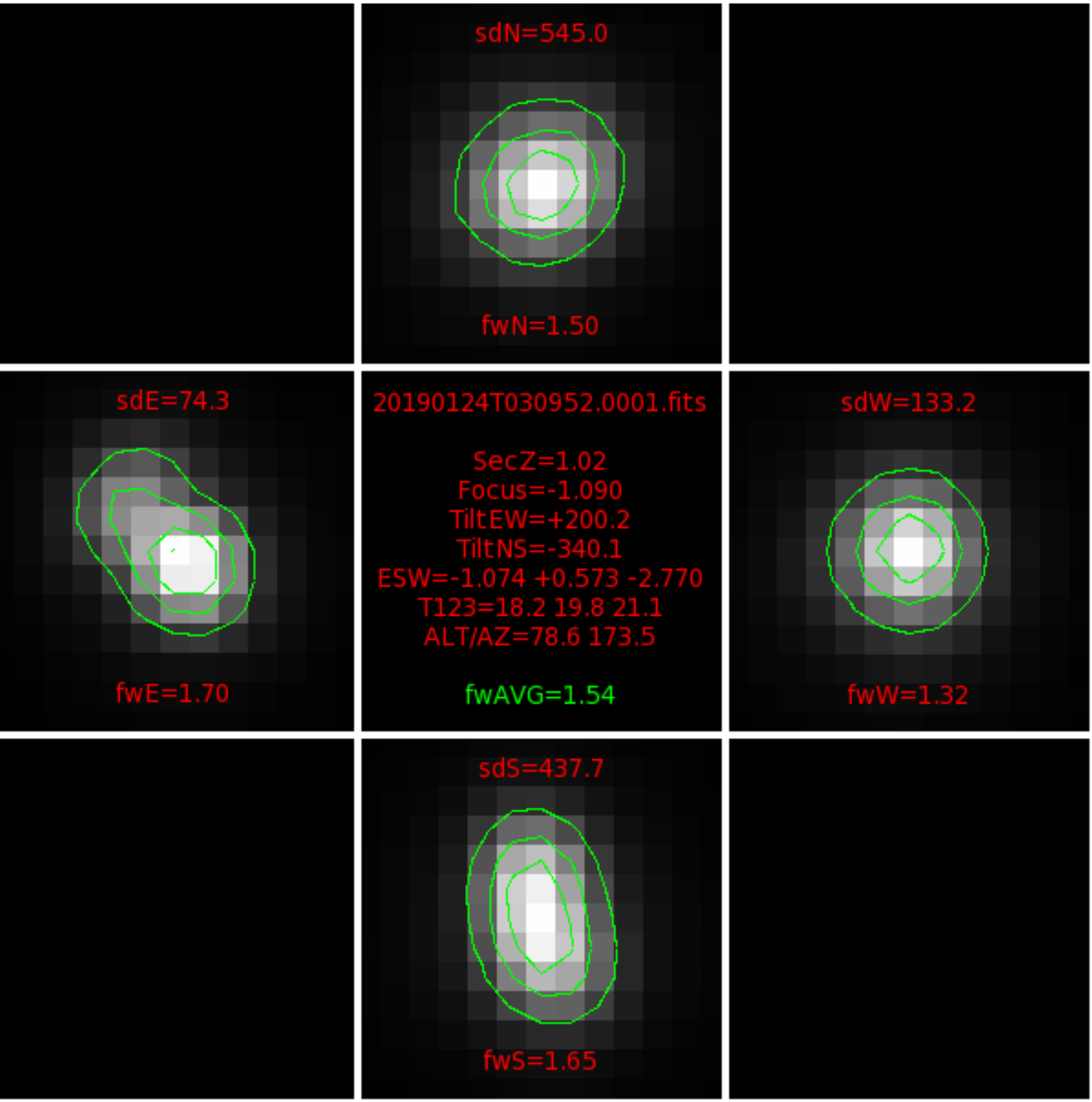
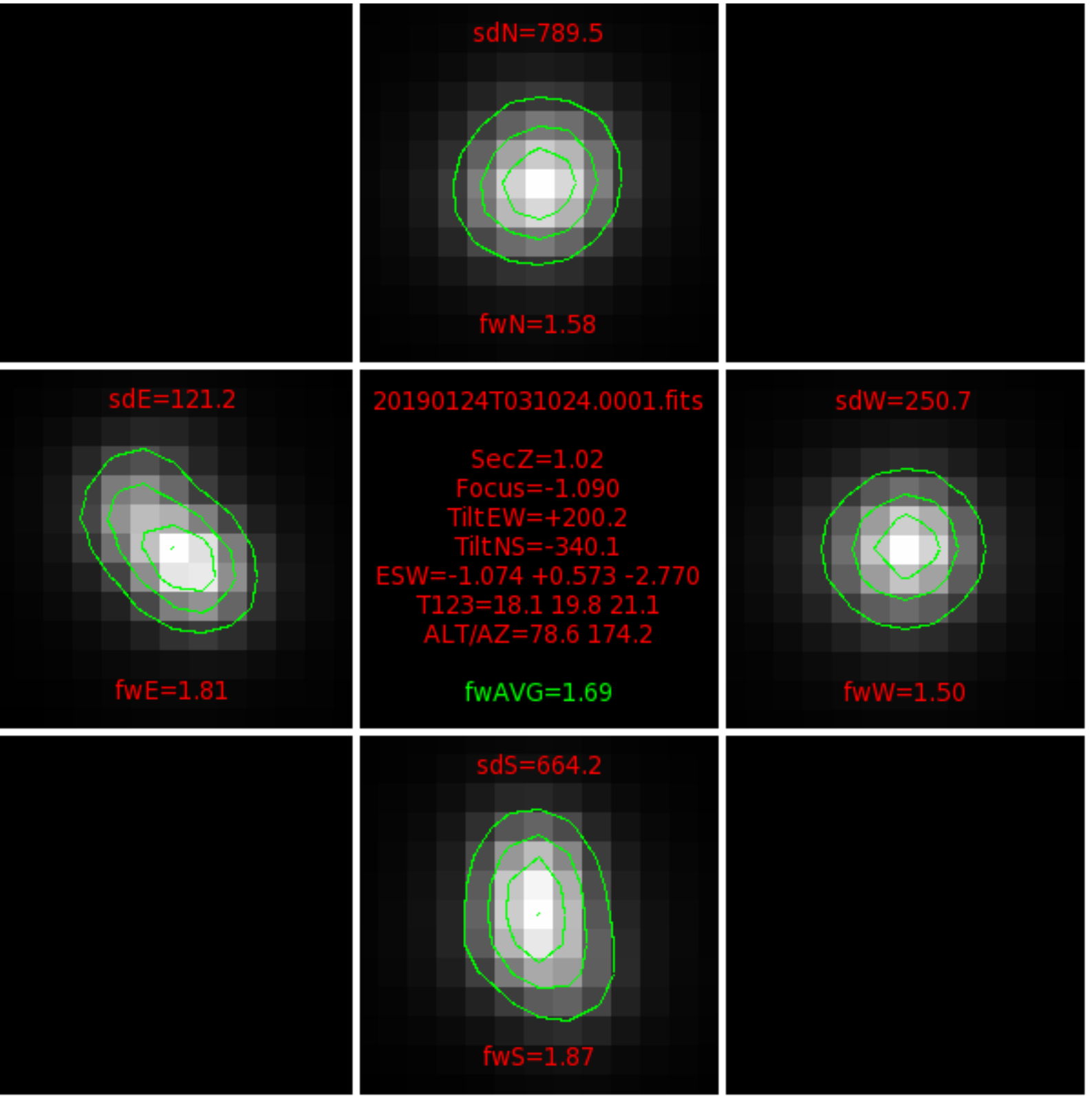

sdN=545.0
fwN=1.50
sdE=74.3
fwE=1.70
20190124T030952.0001.fits
SecZ=1.02
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.2 19.8 21.1
ALT/AZ=78.6 173.5
fwAVG=1.54
sdW=133.2
fwW=1.32
sdS=437.7
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=789.5
fwN=1.58
sdE=121.2
fwE=1.81
20190124T031024.0001.fits
SecZ=1.02
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.1 19.8 21.1
ALT/AZ=78.6 174.2
fwAVG=1.69
sdW=250.7
fwW=1.50
sdS=664.2
fwS=1.87
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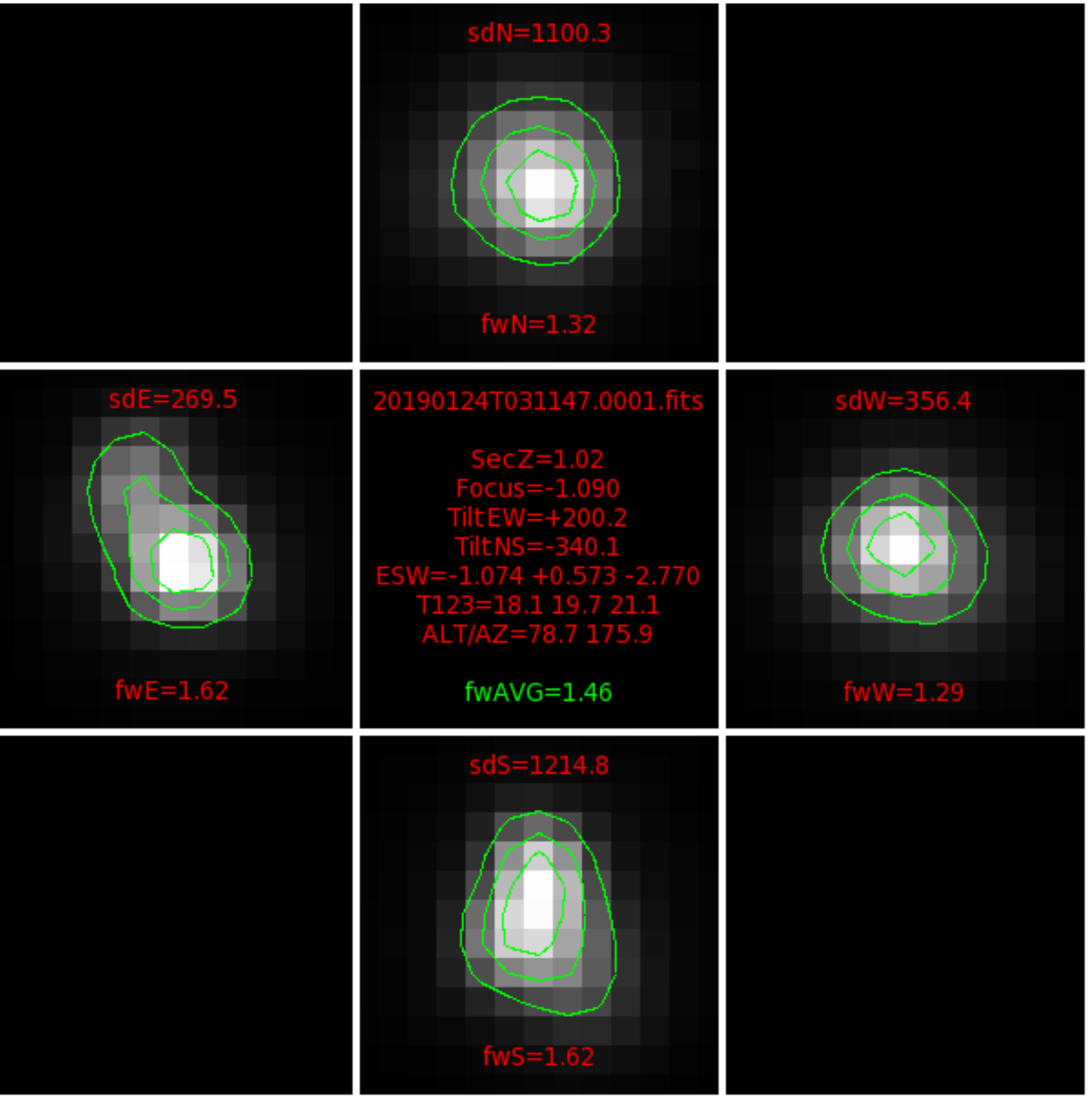
sdN=1100.3
fwN=1.32
sdE=269.5
fwE=1.62
20190124T031147.0001.fits
SecZ=1.02
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.1 19.7 21.1
ALT/AZ=78.7 175.9
fwAVG=1.46
sdW=356.4
fwW=1.29
sdS=1214.8
fwS=1.62
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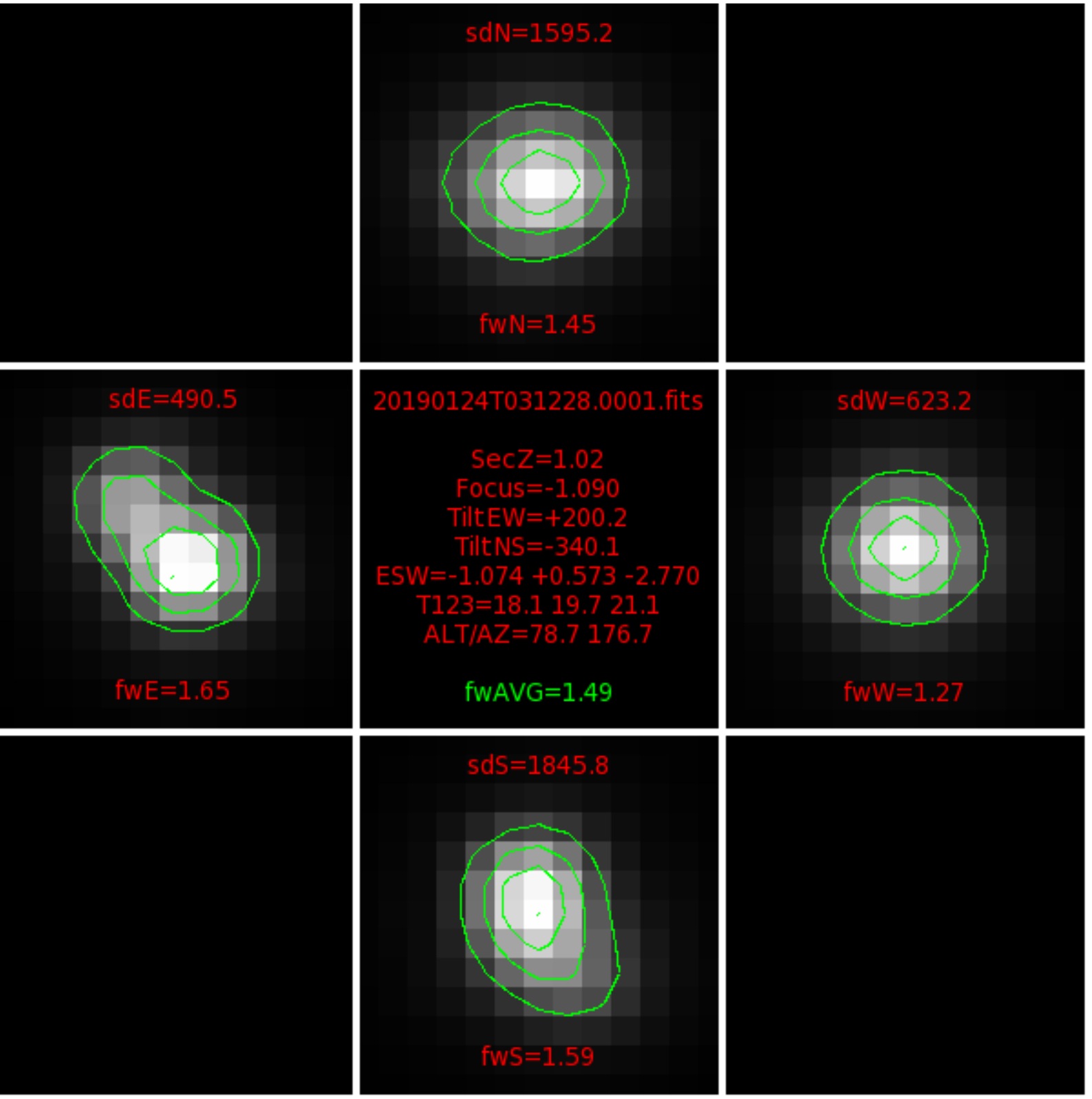
sdN=1595.2
fwN=1.45
sdE=490.5
fwE=1.65
20190124T031228.0001.fits
SecZ=1.02
Focus=-1.090
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.074 +0.573 -2.770
T123=18.1 19.7 21.1
ALT/AZ=78.7 176.7
fwAVG=1.49
sdW=623.2
fwW=1.27
sdS=1845.8
fwS=1.59
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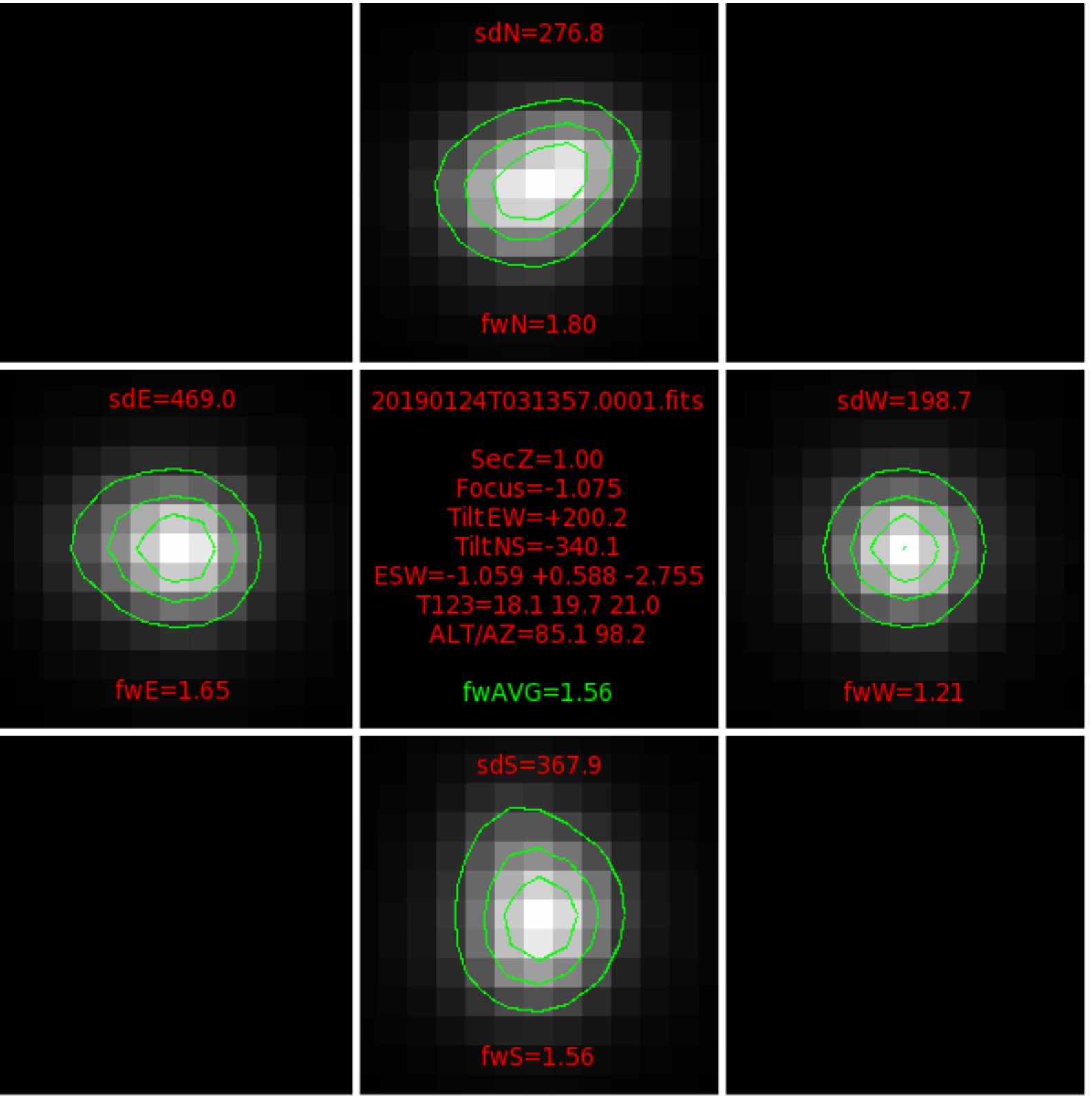
sdN=276.8
fwN=1.80
sdE=469.0
fwE=1.65
20190124T031357.0001.fits
SecZ=1.00
Focus=-1.075
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.059 +0.588 -2.755
T123=18.1 19.7 21.0
ALT/AZ=85.1 98.2
fwAVG=1.56
sdW=198.7
fwW=1.21
sdS=367.9
fwS=1.56
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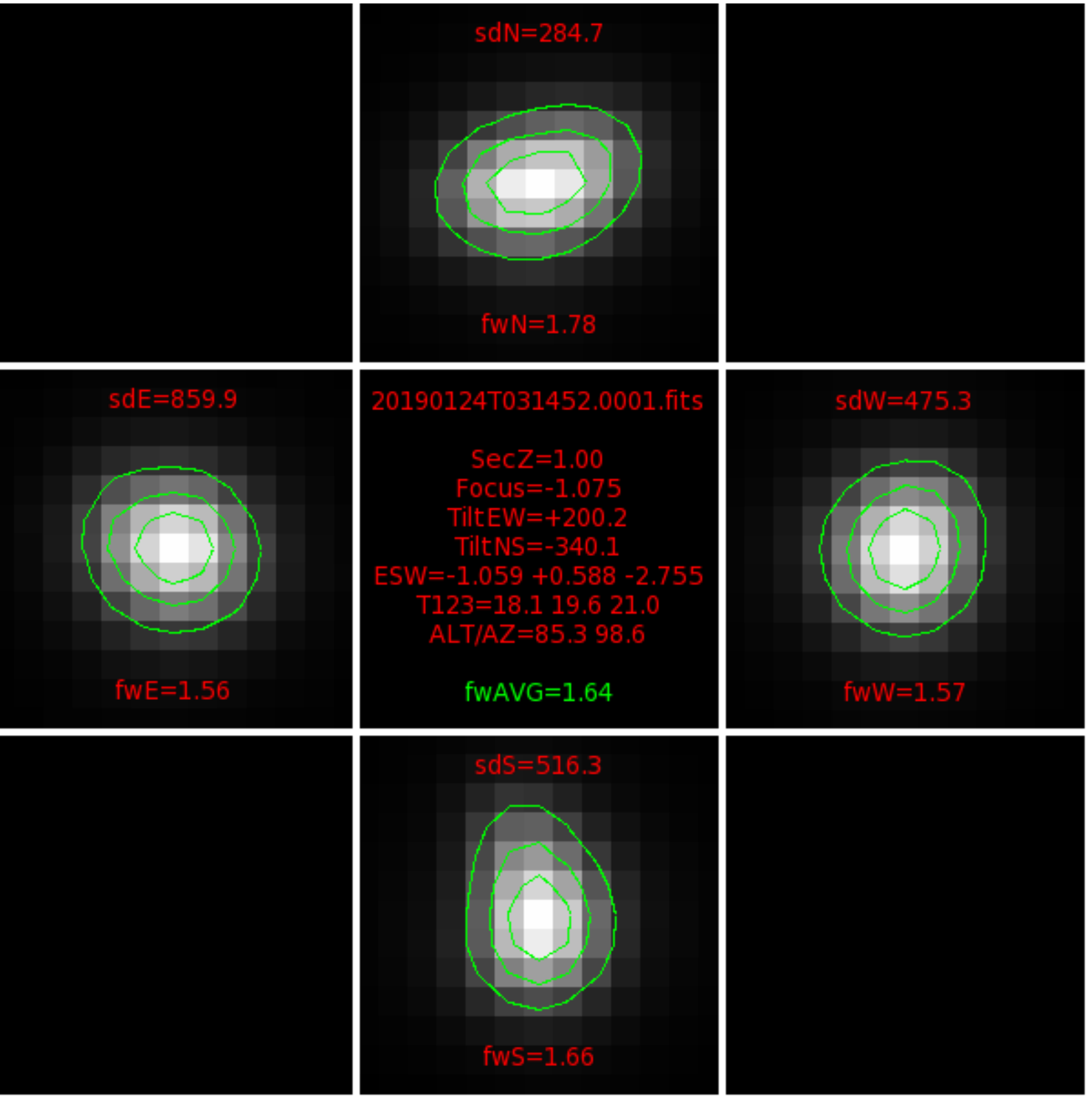
sdN=284.7
fwN=1.78
sdE=859.9
fwE=1.56
20190124T031452.0001.fits
SecZ=1.00
Focus=-1.075
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.059 +0.588 -2.755
T123=18.1 19.6 21.0
ALT/AZ=85.3 98.6
fwAVG=1.64
sdW=475.3
fwW=1.57
sdS=516.3
fwS=1.66
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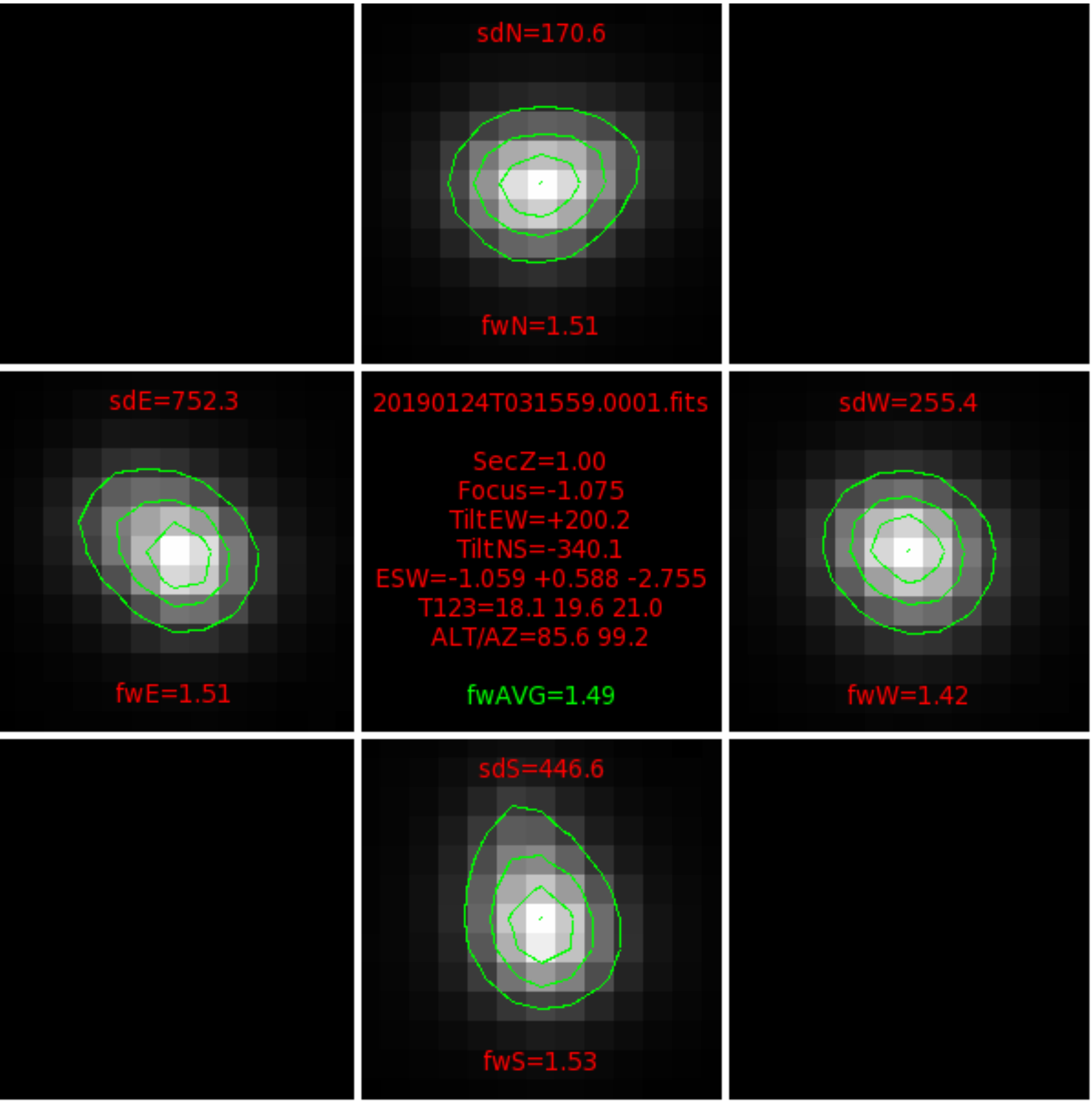
sdN=170.6
fwN=1.51
sdE=752.3
fwE=1.51
20190124T031559.0001.fits
SecZ=1.00
Focus=-1.075
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.059 +0.588 -2.755
T123=18.1 19.6 21.0
ALT/AZ=85.6 99.2
fwAVG=1.49
sdW=255.4
fwW=1.42
sdS=446.6
fwS=1.53
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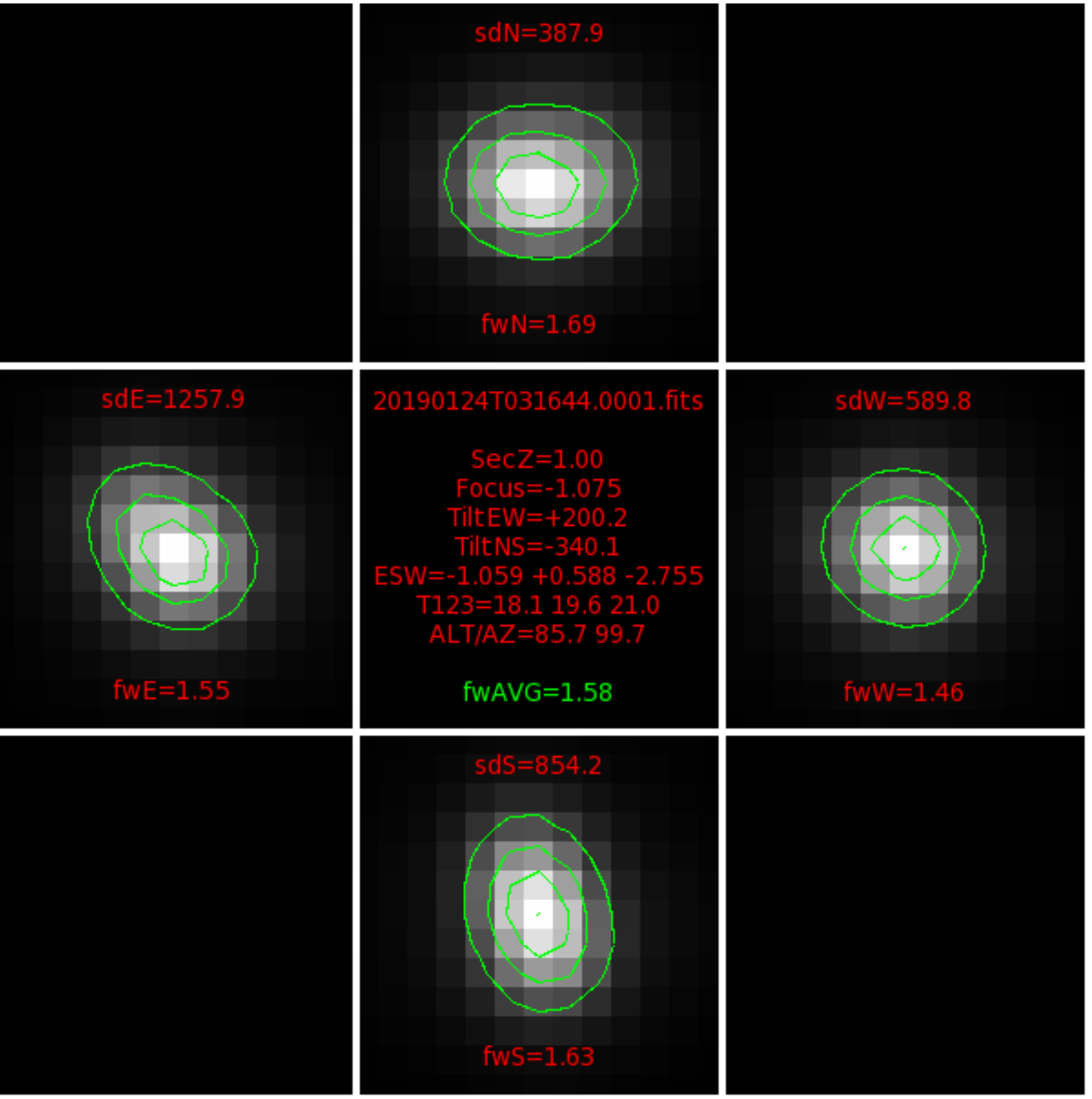
sdN=387.9
fwN=1.69
sdE=1257.9
fwE=1.55
20190124T031644.0001.fits
SecZ=1.00
Focus=-1.075
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.059 +0.588 -2.755
T123=18.1 19.6 21.0
ALT/AZ=85.7 99.7
fwAVG=1.58
sdW=589.8
fwW=1.46
sdS=854.2
fwS=1.63
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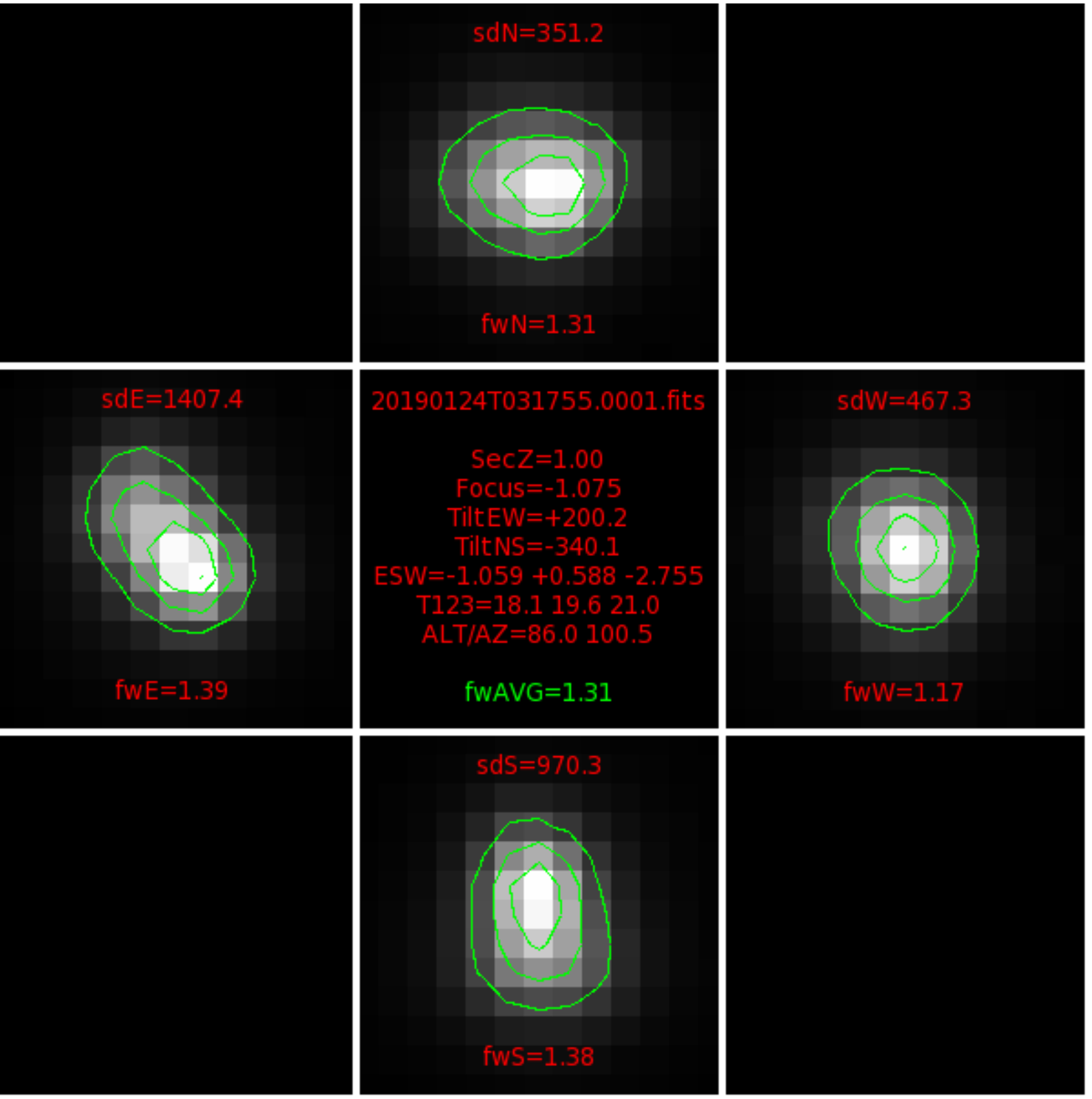
sdN=351.2
fwN=1.31
sdE=1407.4
fwE=1.39
20190124T031755.0001.fits
SecZ=1.00
Focus=-1.075
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.059 +0.588 -2.755
T123=18.1 19.6 21.0
ALT/AZ=86.0 100.5
fwAVG=1.31
sdW=467.3
fwW=1.17
sdS=970.3
fwS=1.38
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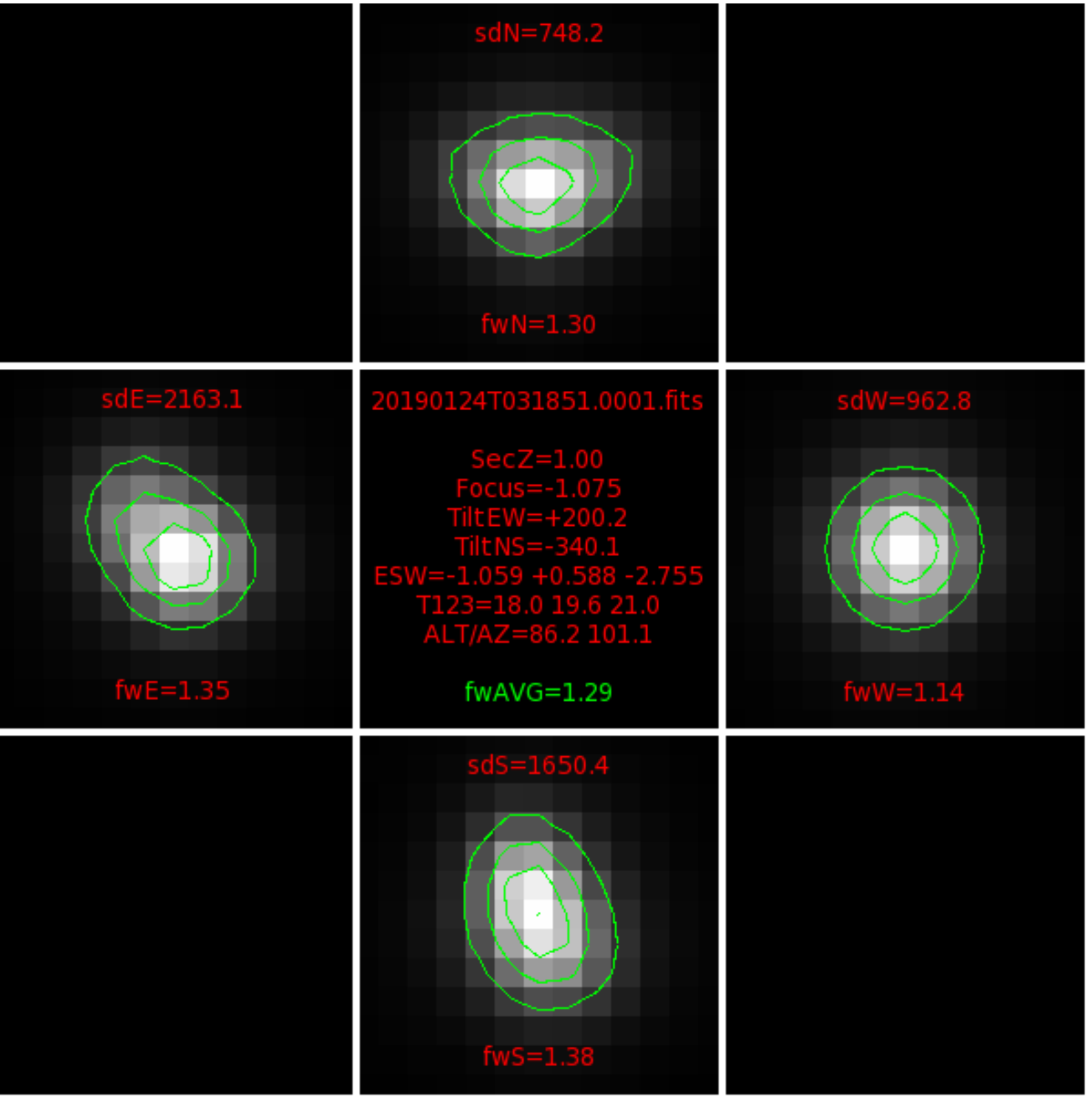
sdN=748.2
fwN=1.30
sdE=2163.1
fwE=1.35
20190124T031851.0001.fits
SecZ=1.00
Focus=-1.075
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.059 +0.588 -2.755
T123=18.0 19.6 21.0
ALT/AZ=86.2 101.1
fwAVG=1.29
sdW=962.8
fwW=1.14
sdS=1650.4
fwS=1.38
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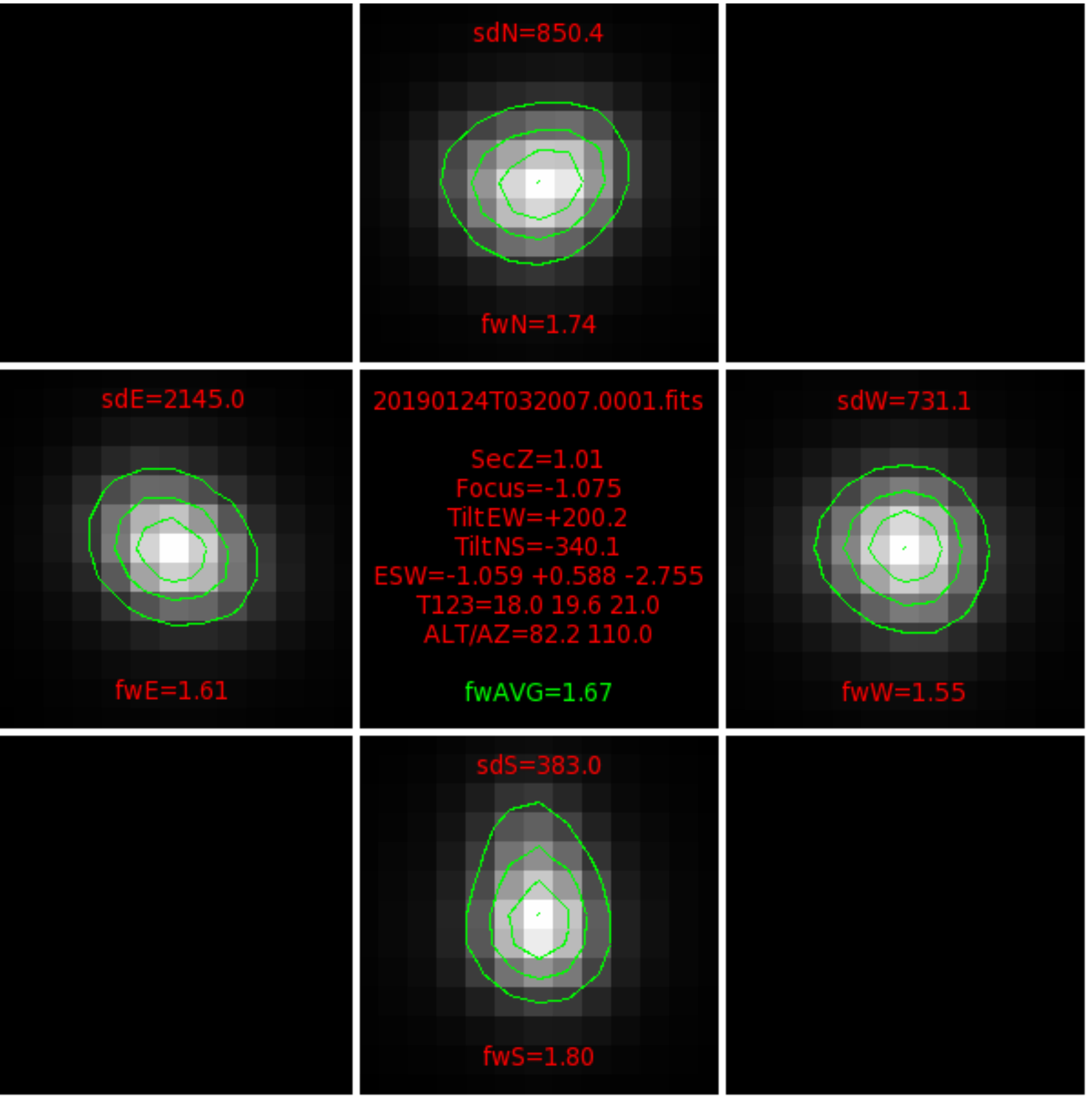
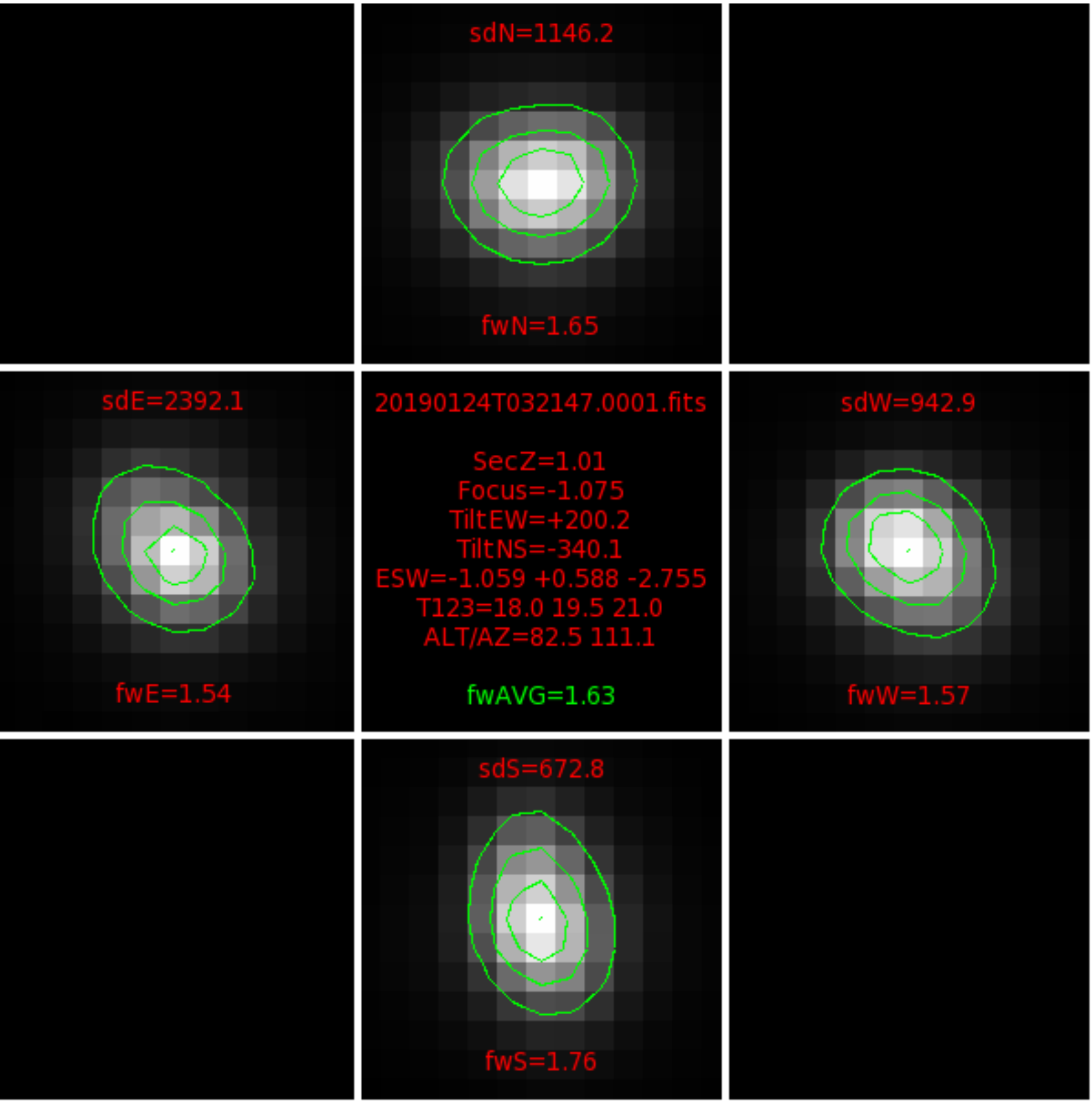

sdN=850.4
fwN=1.74
sdE=2145.0
fwE=1.61
20190124T032007.0001.fits
SecZ=1.01
Focus=-1.075
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.059 +0.588 -2.755
T123=18.0 19.6 21.0
ALT/AZ=82.2 110.0
fwAVG=1.67
sdW=731.1
fwW=1.55
sdS=383.0
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=1146.2
fwN=1.65
sdE=2392.1
fwE=1.54
20190124T032147.0001.fits
SecZ=1.01
Focus=-1.075
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.059 +0.588 -2.755
T123=18.0 19.5 21.0
ALT/AZ=82.5 111.1
fwAVG=1.63
sdW=942.9
fwW=1.57
sdS=672.8
fwS=1.76
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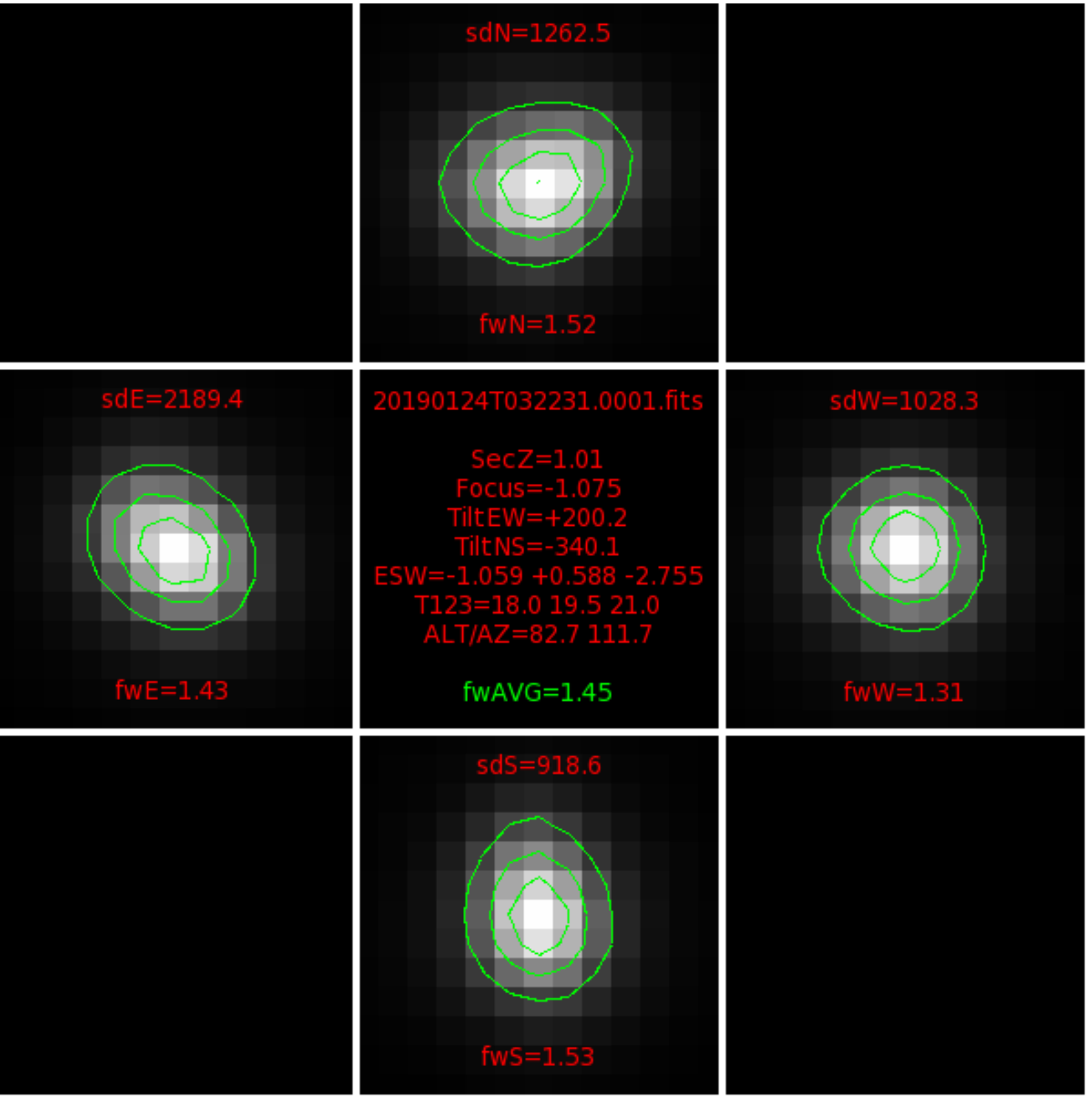
sdN=1262.5
fwN=1.52
sdE=2189.4
fwE=1.43
20190124T032231.0001.fits
SecZ=1.01
Focus=-1.075
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.059 +0.588 -2.755
T123=18.0 19.5 21.0
ALT/AZ=82.7 111.7
fwAVG=1.45
sdW=1028.3
fwW=1.31
sdS=918.6
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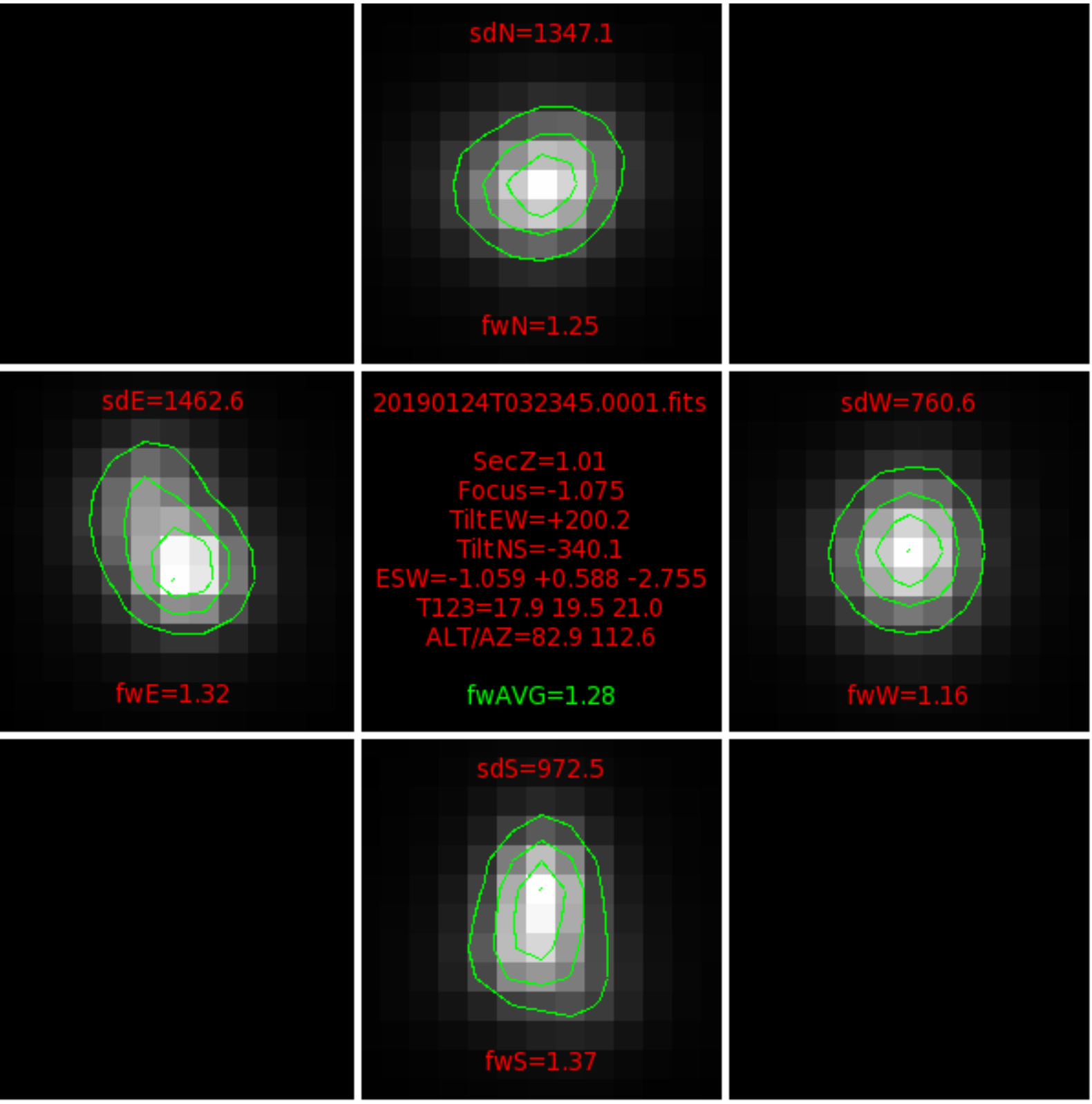
sdN=1347.1
fwN=1.25
sdE=1462.6
fwE=1.32
20190124T032345.0001.fits
SecZ=1.01
Focus=-1.075
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.059 +0.588 -2.755
T123=17.9 19.5 21.0
ALT/AZ=82.9 112.6
fwAVG=1.28
sdW=760.6
fwW=1.16
sdS=972.5
fwS=1.37
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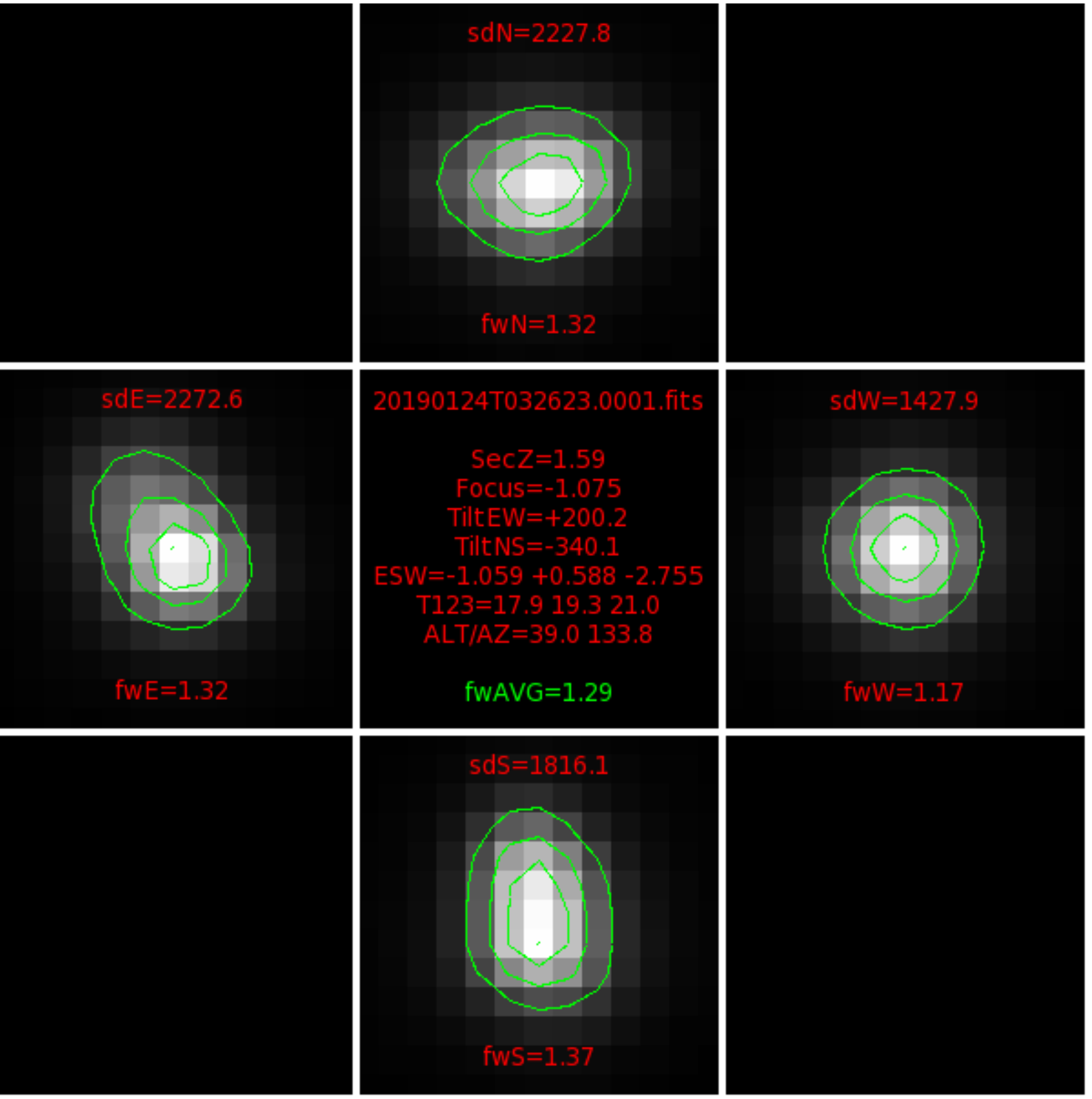
sdN=2227.8
fwN=1.32
sdE=2272.6
fwE=1.32
20190124T032623.0001.fits
SecZ=1.59
Focus=-1.075
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.059 +0.588 -2.755
T123=17.9 19.3 21.0
ALT/AZ=39.0 133.8
fwAVG=1.29
sdW=1427.9
fwW=1.17
sdS=1816.1
fwS=1.37
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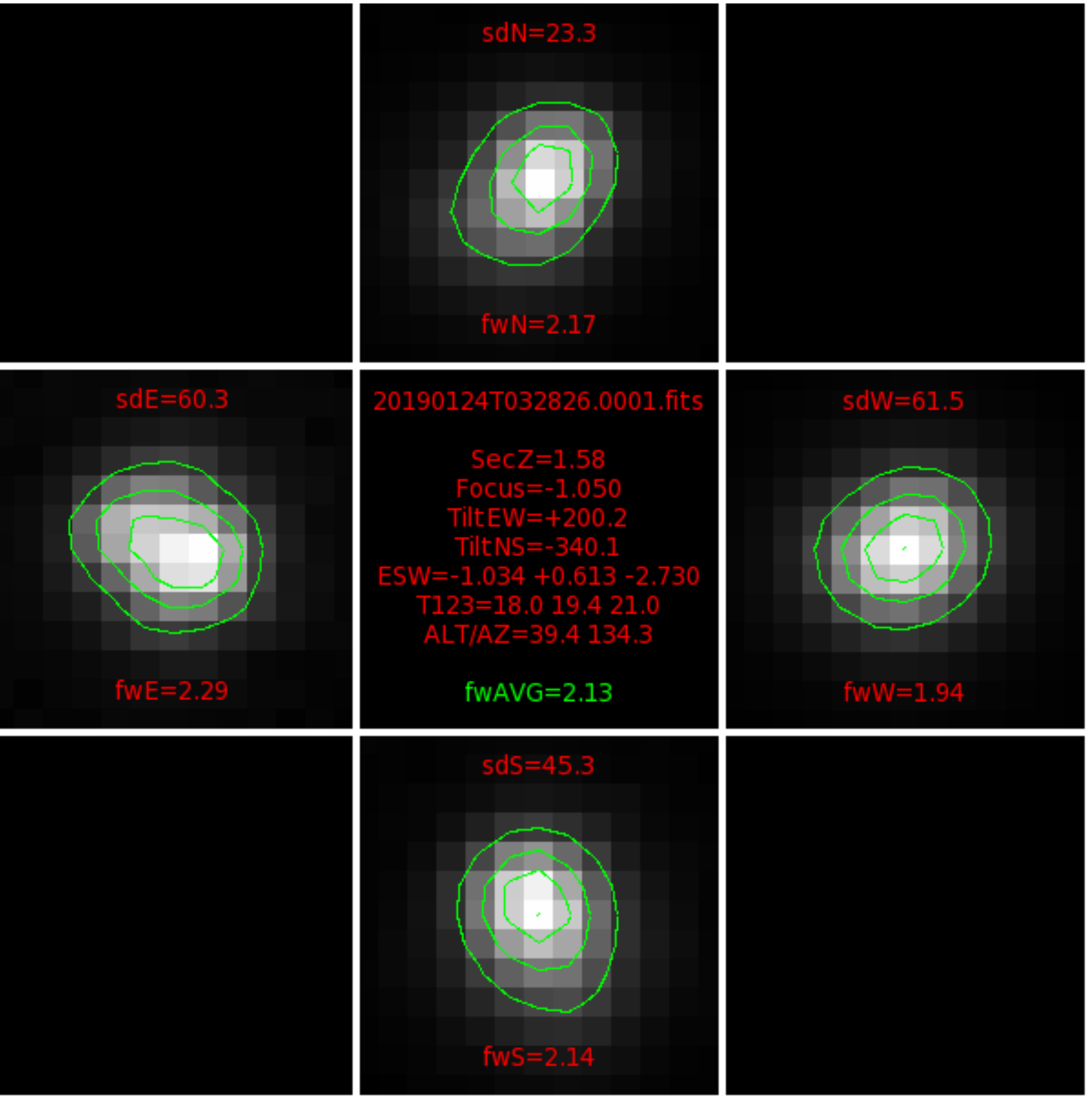
sdN=23.3
fwN=2.17
sdE=60.3
fwE=2.29
20190124T032826.0001.fits
SecZ=1.58
Focus=-1.050
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.034 +0.613 -2.730
T123=18.0 19.4 21.0
ALT/AZ=39.4 134.3
fwAVG=2.13
sdW=61.5
fwW=1.94
sdS=45.3
fwS=2.14
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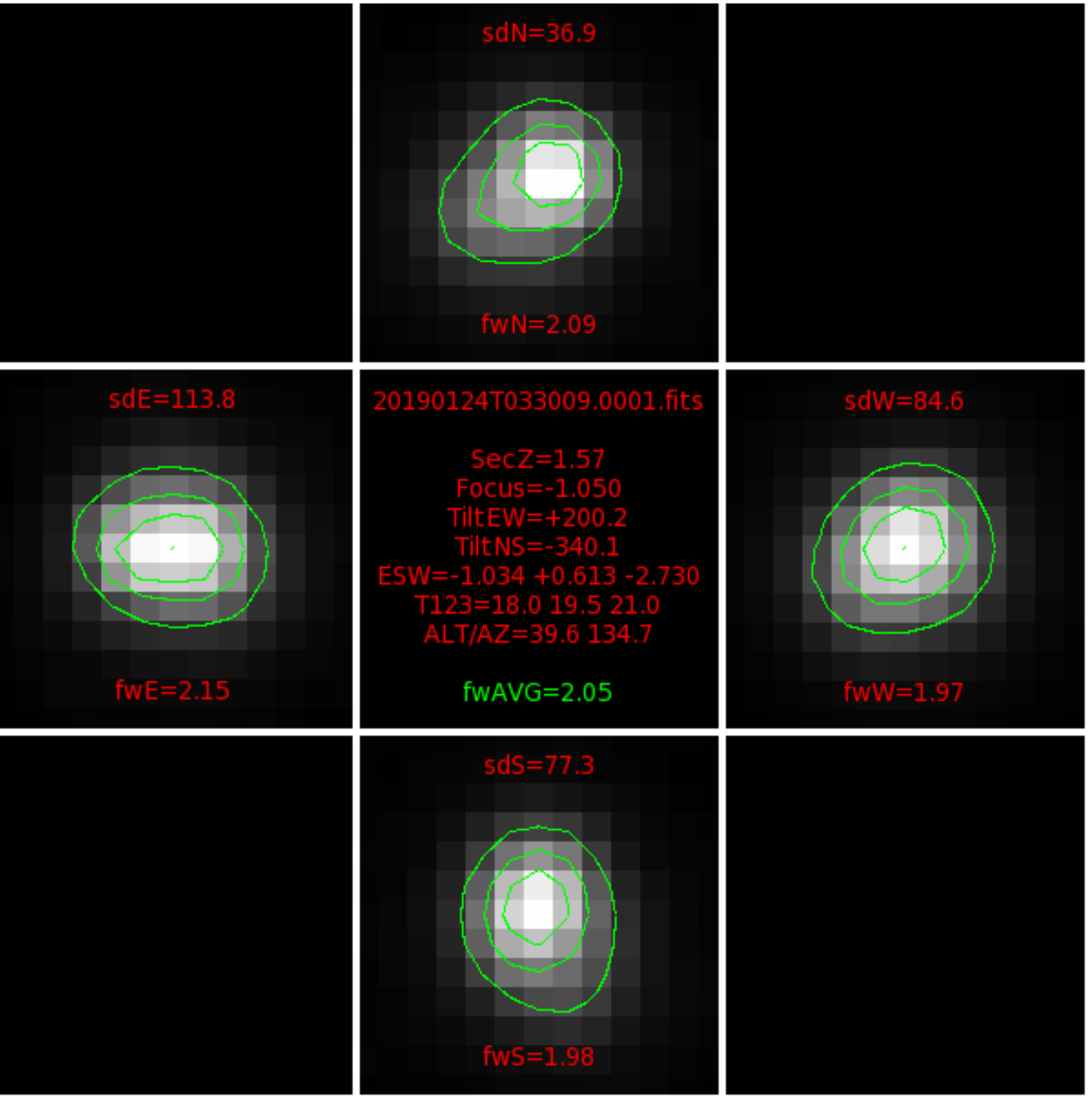
sdN=36.9
fwN=2.09
sdE=113.8
fwE=2.15
20190124T033009.0001.fits
SecZ=1.57
Focus=-1.050
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.034 +0.613 -2.730
T123=18.0 19.5 21.0
ALT/AZ=39.6 134.7
fwAVG=2.05
sdW=84.6
fwW=1.97
sdS=77.3
fwS=1.98
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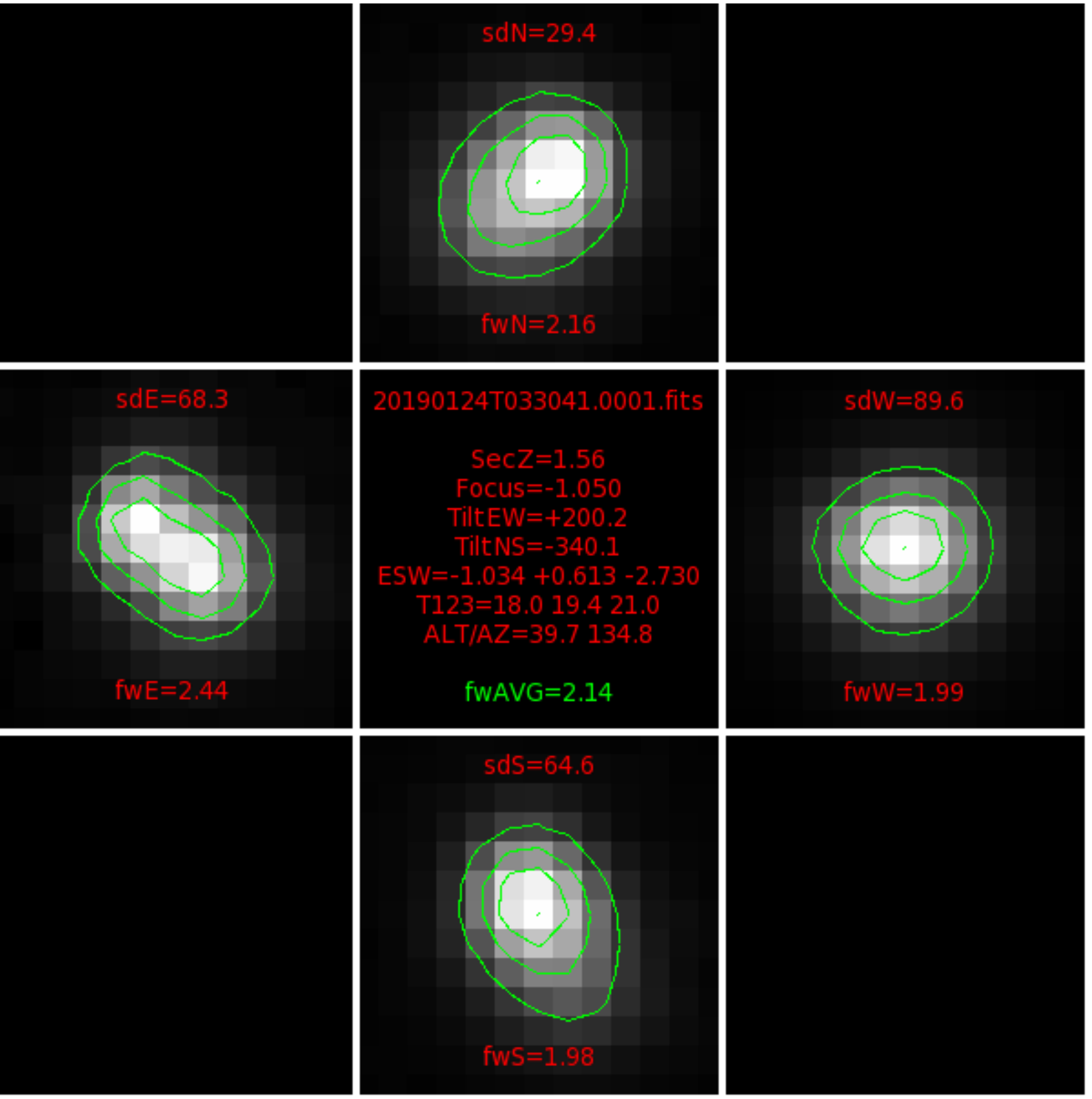
sdN=29.4
fwN=2.16
sdE=68.3
fwE=2.44
20190124T033041.0001.fits
SecZ=1.56
Focus=-1.050
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.034 +0.613 -2.730
T123=18.0 19.4 21.0
ALT/AZ=39.7 134.8
fwAVG=2.14
sdW=89.6
fwW=1.99
sdS=64.6
fwS=1.98
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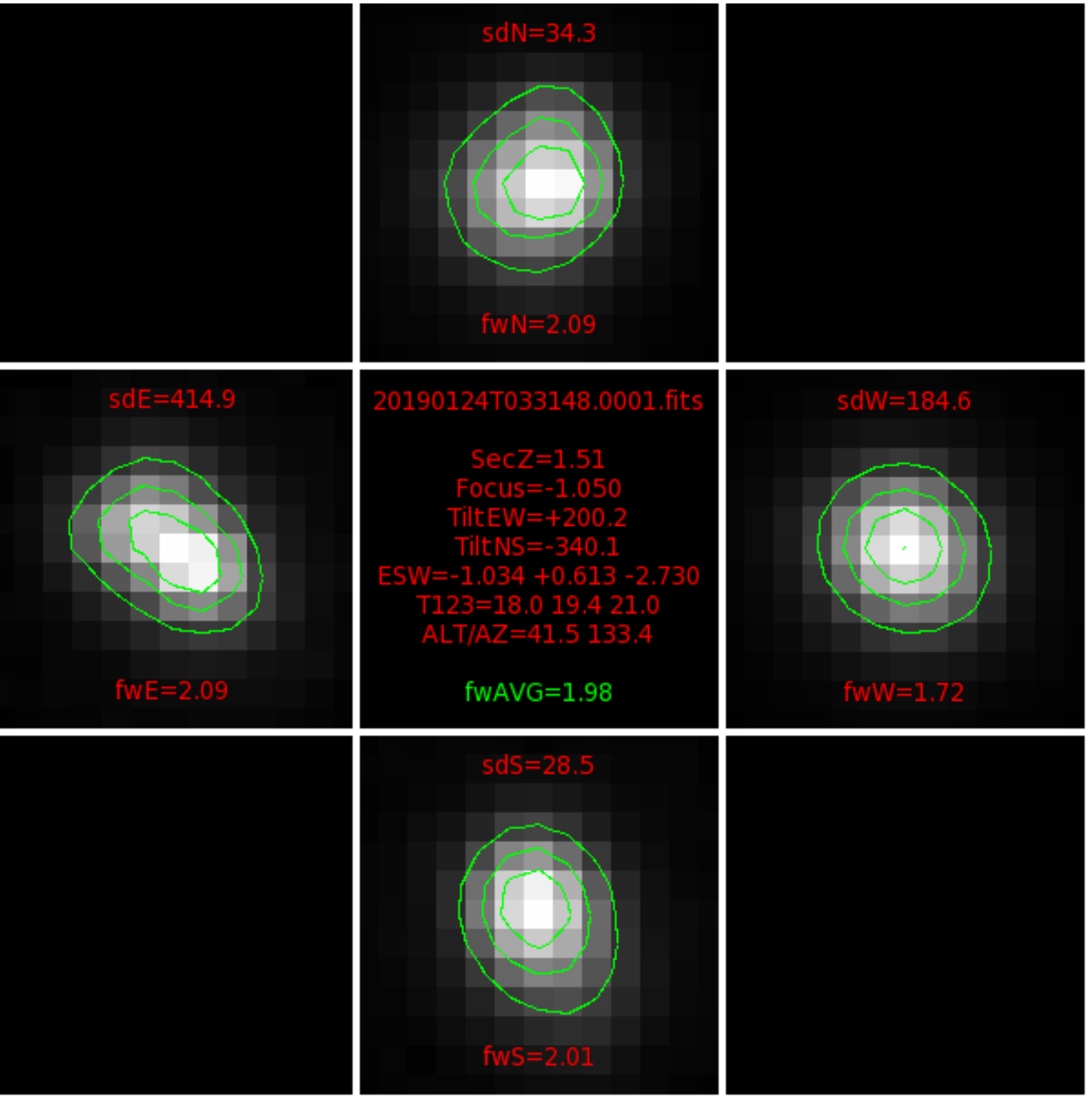
sdN=34.3
fwN=2.09
sdE=414.9
fwE=2.09
20190124T033148.0001.fits
SecZ=1.51
Focus=-1.050
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.034 +0.613 -2.730
T123=18.0 19.4 21.0
ALT/AZ=41.5 133.4
fwAVG=1.98
sdW=184.6
fwW=1.72
sdS=28.5
fwS=2.01
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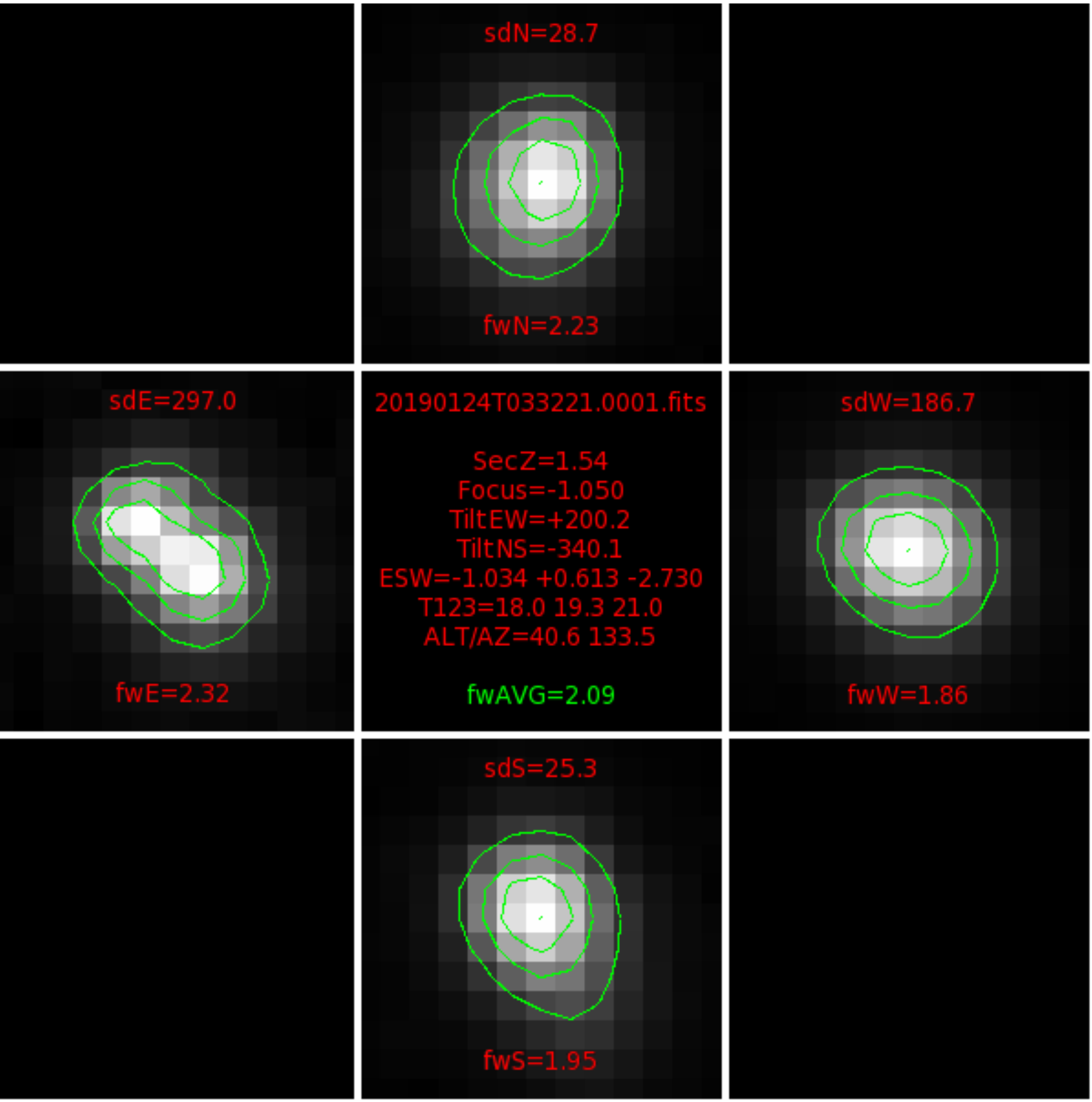
sdN=28.7
fwN=2.23
sdE=297.0
fwE=2.32
20190124T033221.0001.fits
SecZ=1.54
Focus=-1.050
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.034 +0.613 -2.730
T123=18.0 19.3 21.0
ALT/AZ=40.6 133.5
fwAVG=2.09
sdW=186.7
fwW=1.86
sdS=25.3
fwS=1.95
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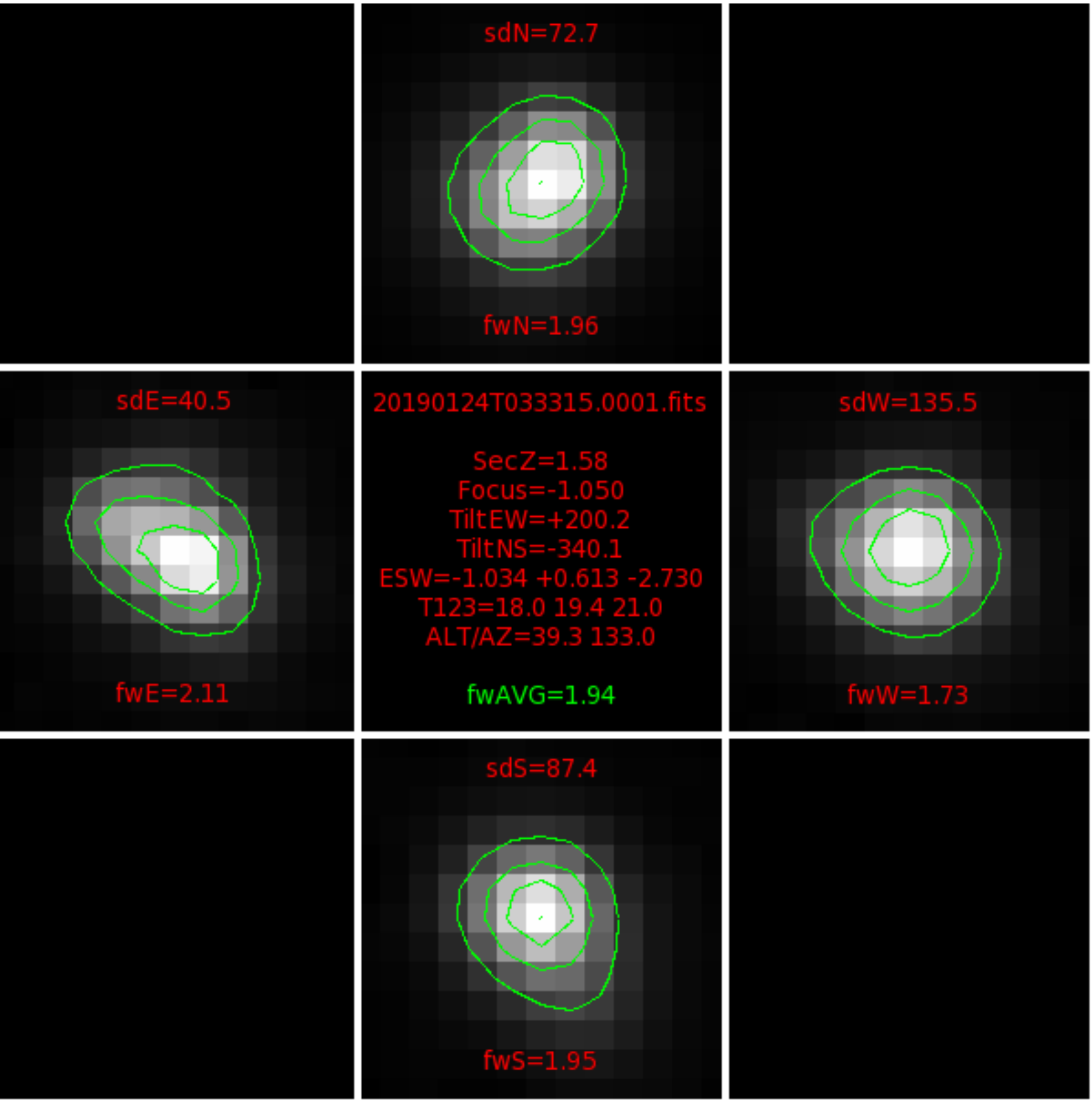
sdN=72.7
fwN=1.96
sdE=40.5
fwE=2.11
20190124T033315.0001.fits
SecZ=1.58
Focus=-1.050
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.034 +0.613 -2.730
T123=18.0 19.4 21.0
ALT/AZ=39.3 133.0
fwAVG=1.94
sdW=135.5
fwW=1.73
sdS=87.4
fwS=1.95
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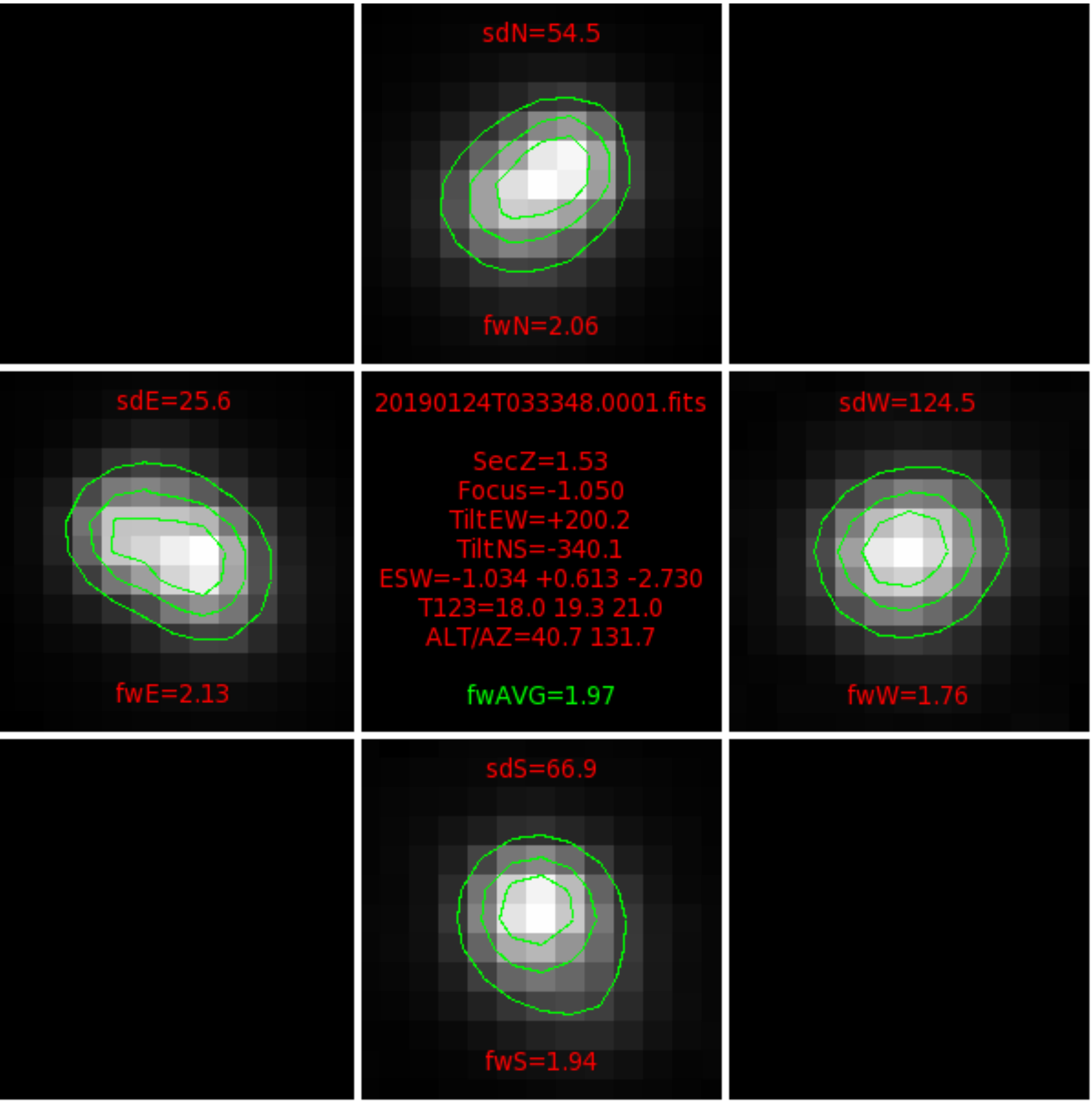
sdN=54.5
fwN=2.06
sdE=25.6
fwE=2.13
20190124T033348.0001.fits
SecZ=1.53
Focus=-1.050
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.034 +0.613 -2.730
T123=18.0 19.3 21.0
ALT/AZ=40.7 131.7
fwAVG=1.97
sdW=124.5
fwW=1.76
sdS=66.9
fwS=1.94
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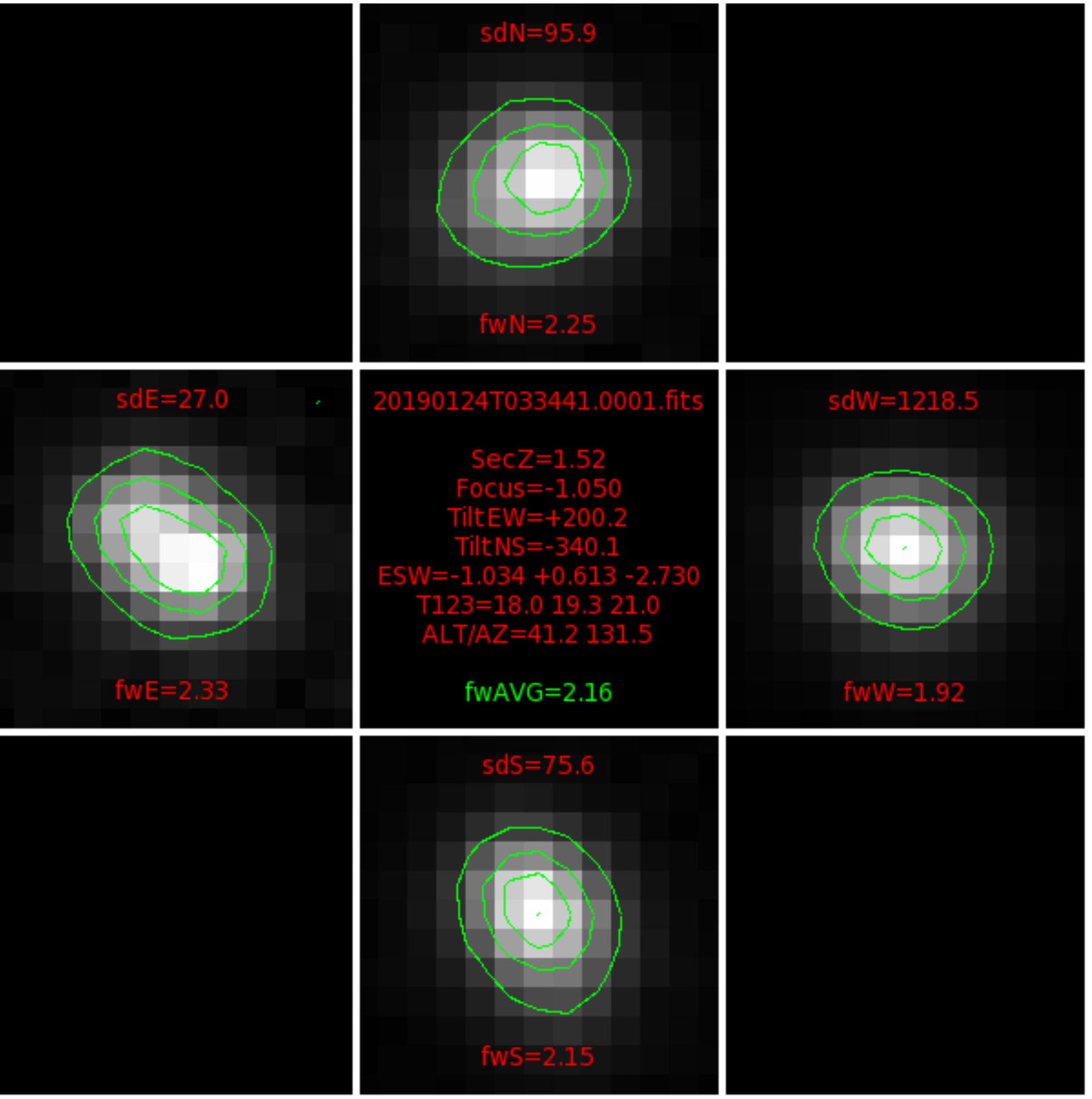
sdN=95.9
fwN=2.25
sdE=27.0
fwE=2.33
20190124T033441.0001.fits
SecZ=1.52
Focus=-1.050
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.034 +0.613 -2.730
T123=18.0 19.3 21.0
ALT/AZ=41.2 131.5
fwAVG=2.16
sdW=1218.5
fwW=1.92
sdS=75.6
fwS=2.15
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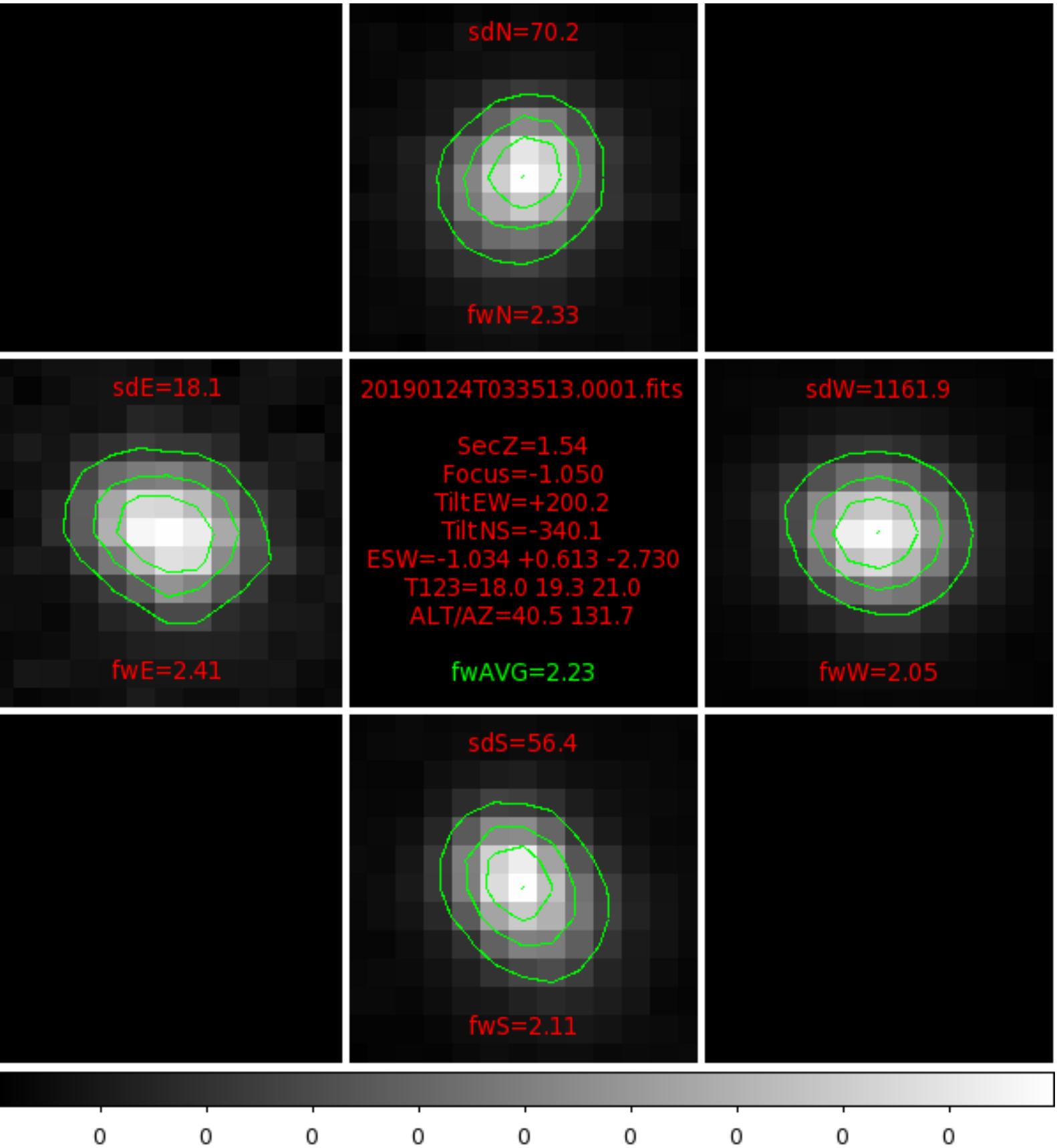
sdN=70.2
fwN=2.33
sdE=18.1
fwE=2.41
20190124T033513.0001.fits
SecZ=1.54
Focus=-1.050
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.034 +0.613 -2.730
T123=18.0 19.3 21.0
ALT/AZ=40.5 131.7
fwAVG=2.23
sdW=1161.9
fwW=2.05
sdS=56.4
fwS=2.11
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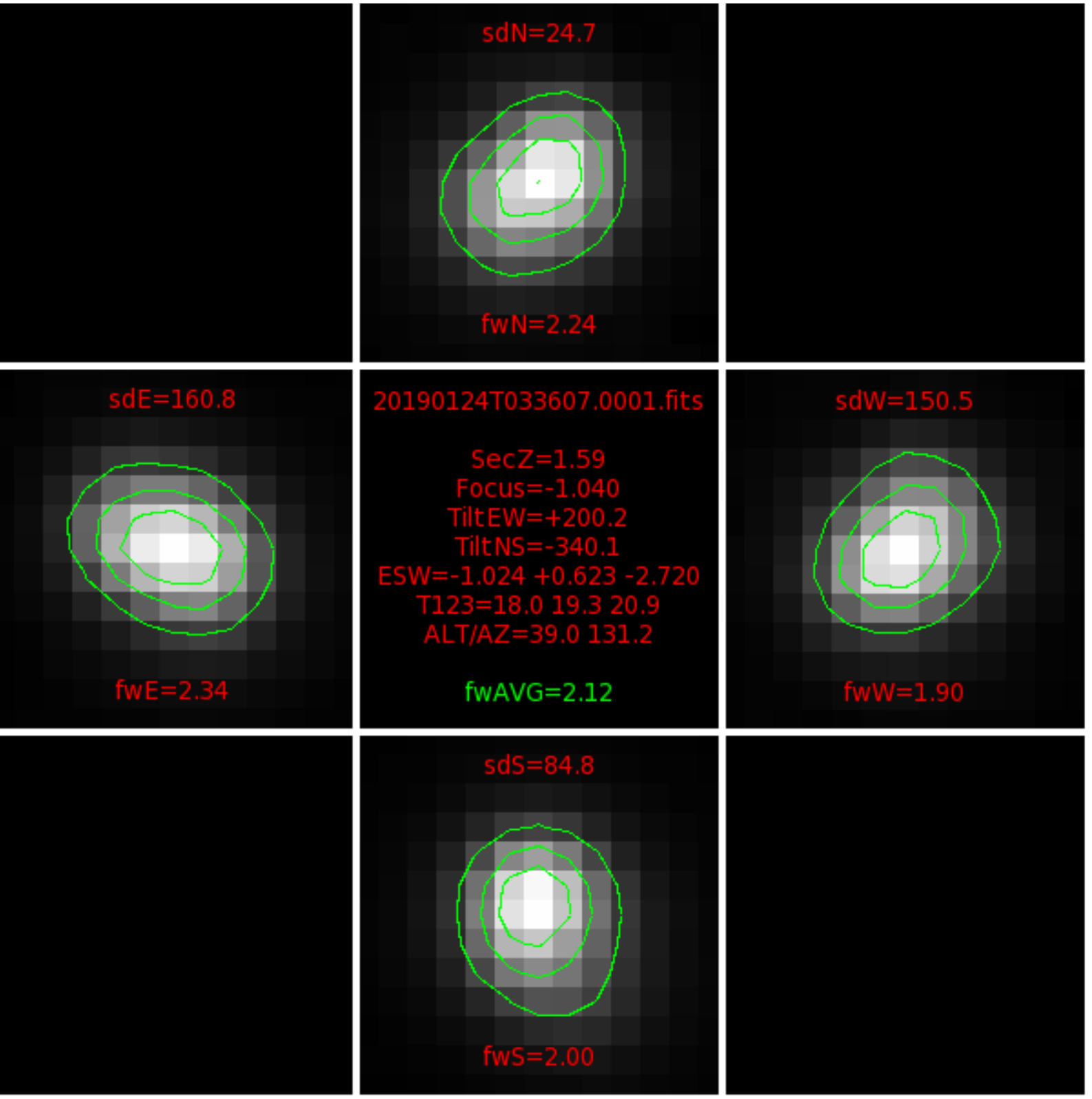
sdN=24.7
fwN=2.24
sdE=160.8
fwE=2.34
20190124T033607.0001.fits
SecZ=1.59
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=18.0 19.3 20.9
ALT/AZ=39.0 131.2
fwAVG=2.12
sdW=150.5
fwW=1.90
sdS=84.8
fwS=2.00
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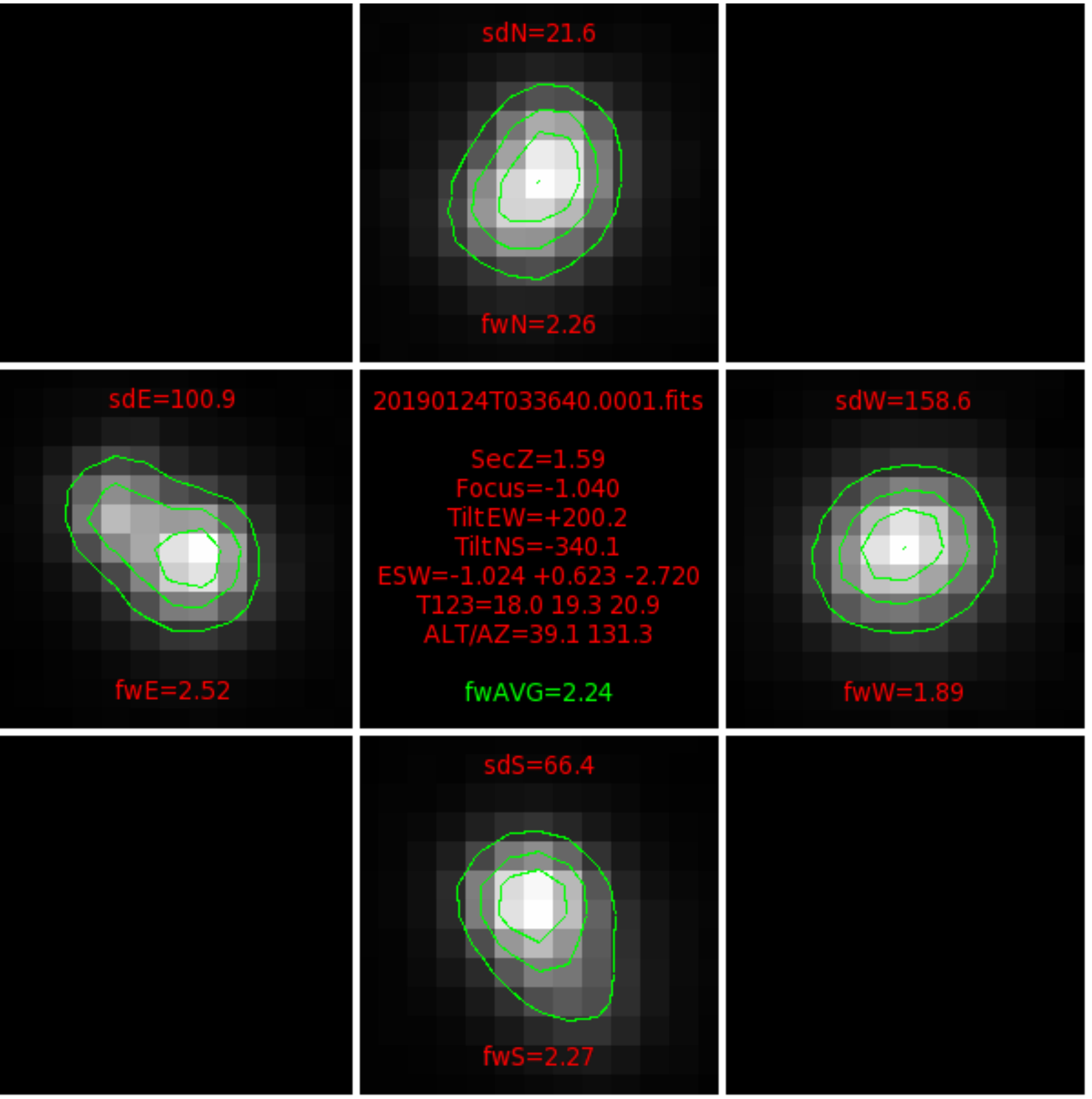
sdN=21.6
fwN=2.26
sdE=100.9
fwE=2.52
20190124T033640.0001.fits
SecZ=1.59
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=18.0 19.3 20.9
ALT/AZ=39.1 131.3
fwAVG=2.24
sdW=158.6
fwW=1.89
sdS=66.4
fwS=2.27
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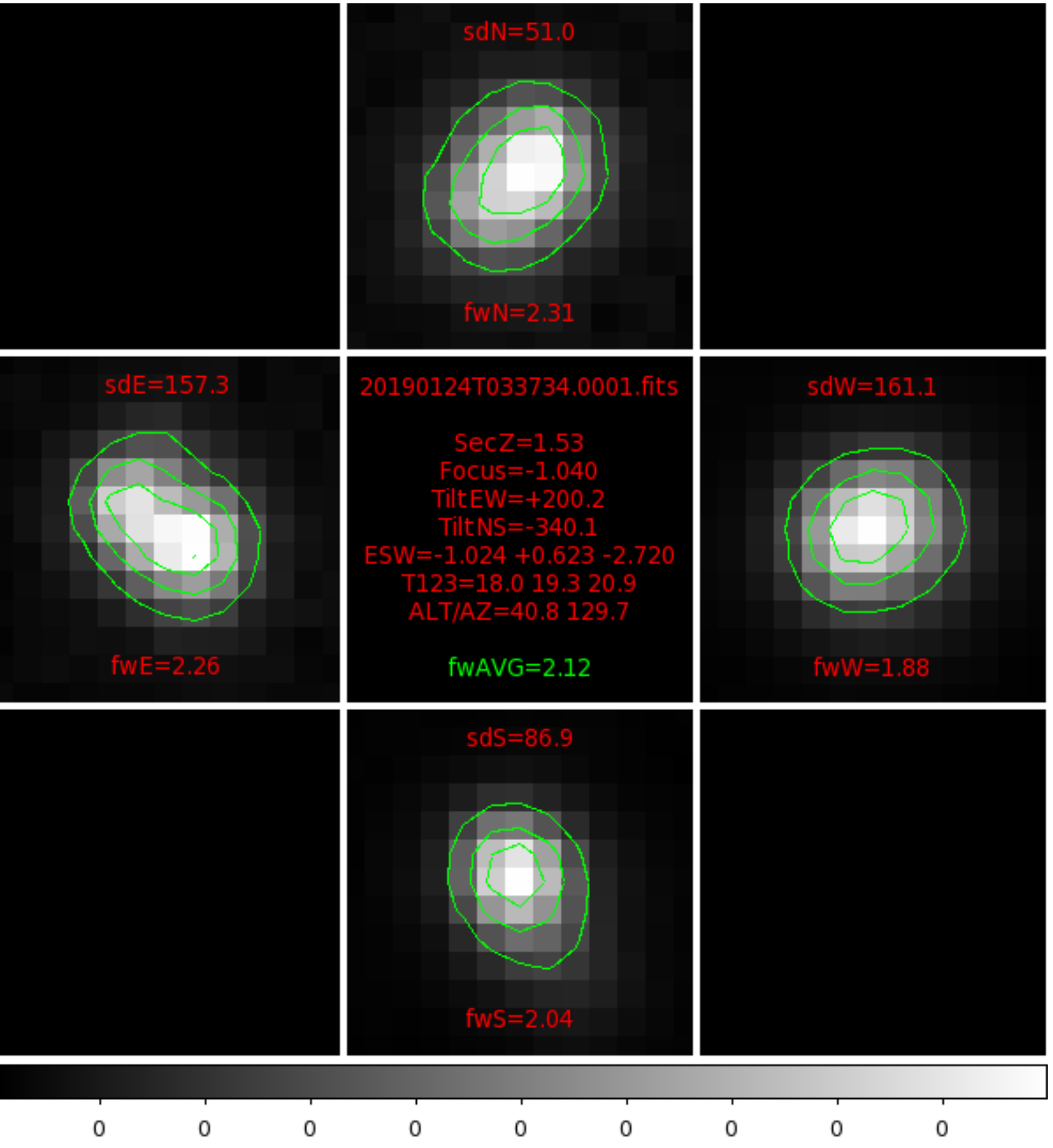
sdN=51.0
fwN=2.31
sdE=157.3
fwE=2.26
20190124T033734.0001.fits
SecZ=1.53
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=18.0 19.3 20.9
ALT/AZ=40.8 129.7
fwAVG=2.12
sdW=161.1
fwW=1.88
sdS=86.9
fwS=2.04
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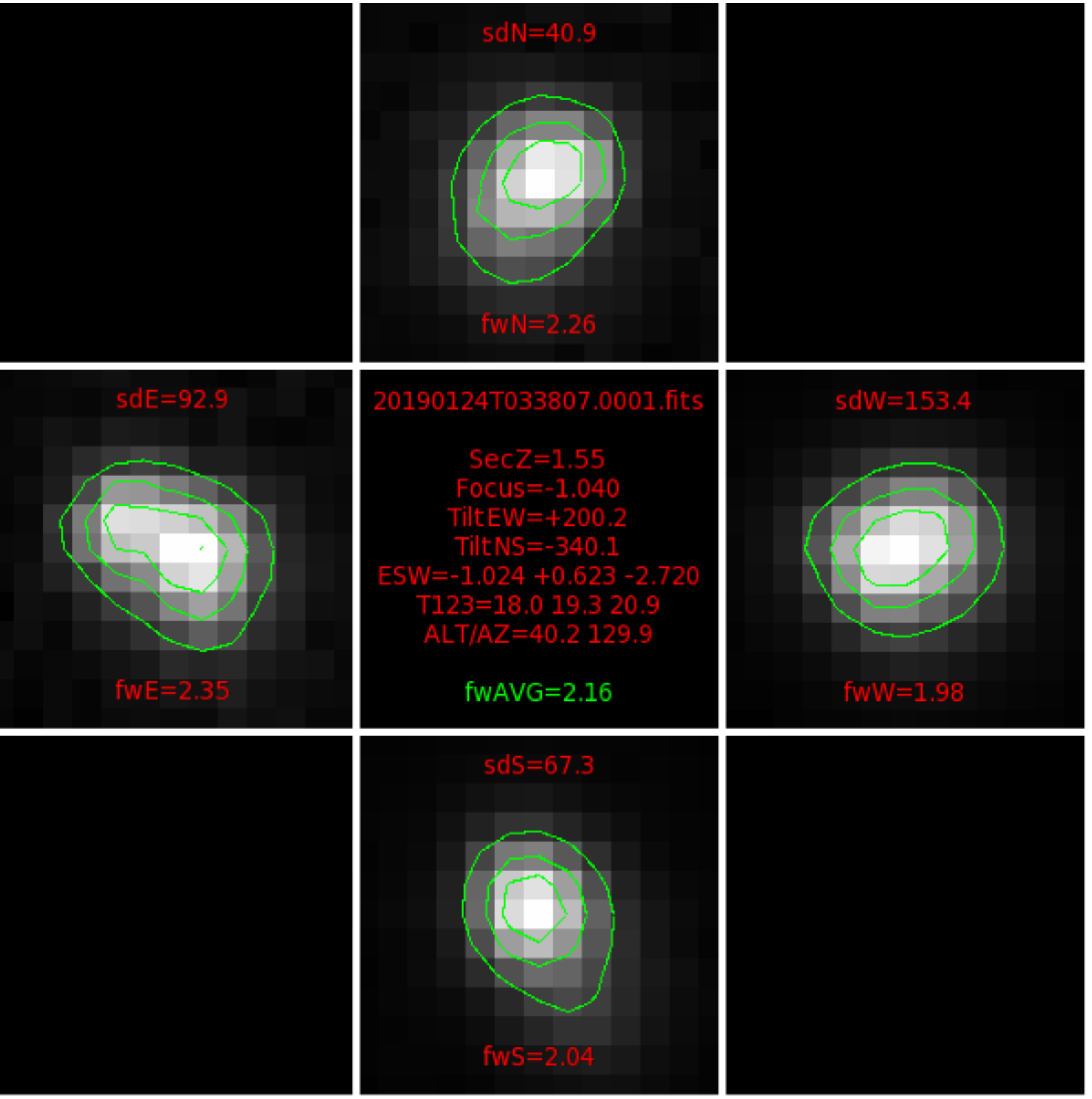
sdN=40.9
fwN=2.26
sdE=92.9
fwE=2.35
20190124T033807.0001.fits
SecZ=1.55
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=18.0 19.3 20.9
ALT/AZ=40.2 129.9
fwAVG=2.16
sdW=153.4
fwW=1.98
sdS=67.3
fwS=2.04
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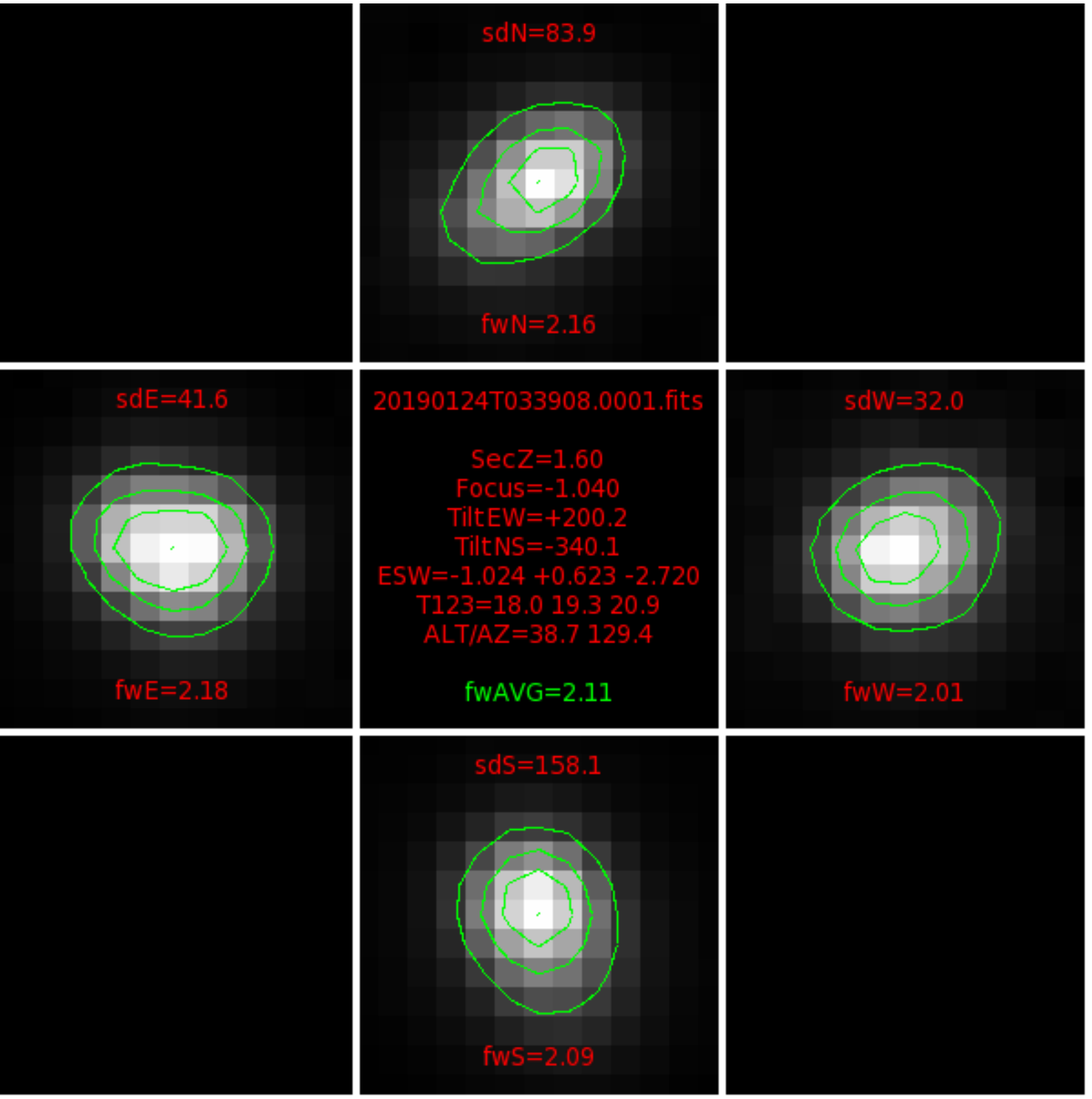
sdN=83.9
fwN=2.16
sdE=41.6
fwE=2.18
20190124T033908.0001.fits
SecZ=1.60
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=18.0 19.3 20.9
ALT/AZ=38.7 129.4
fwAVG=2.11
sdW=32.0
fwW=2.01
sdS=158.1
fwS=2.09
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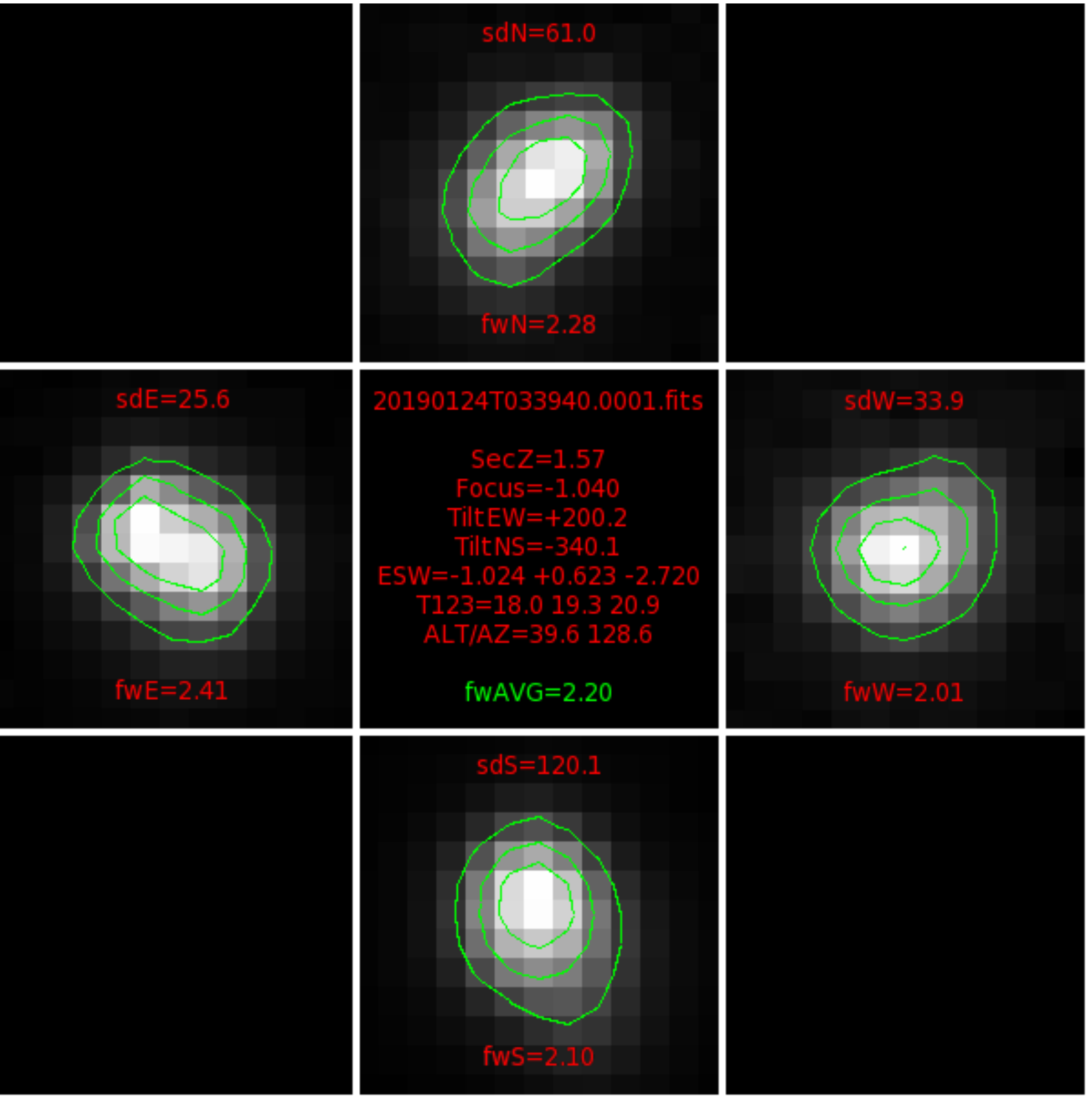
sdN=61.0
fwN=2.28
sdE=25.6
fwE=2.41
20190124T033940.0001.fits
SecZ=1.57
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=18.0 19.3 20.9
ALT/AZ=39.6 128.6
fwAVG=2.20
sdW=33.9
fwW=2.01
sdS=120.1
fwS=2.10
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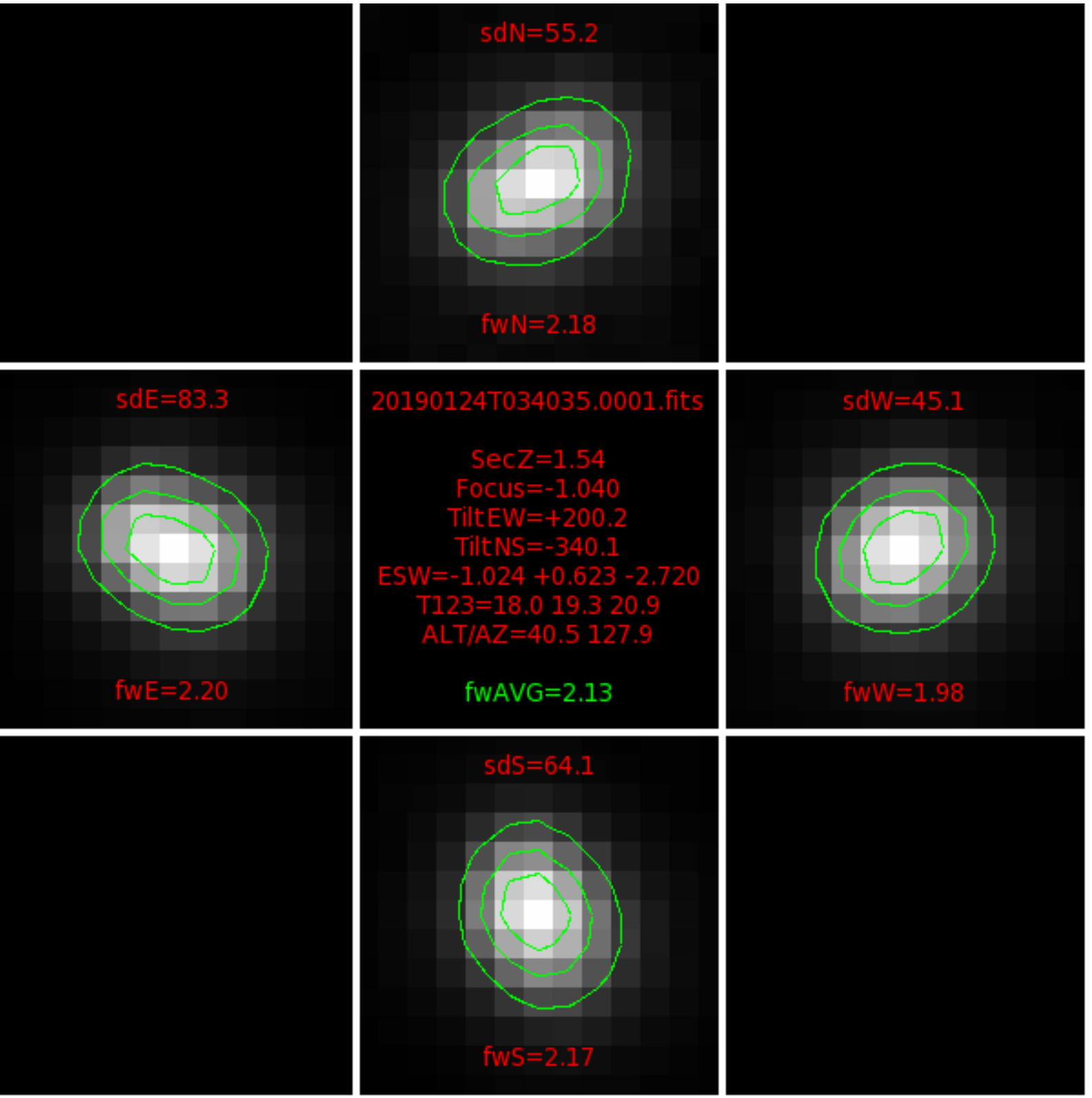
sdN=55.2
fwN=2.18
sdE=83.3
fwE=2.20
20190124T034035.0001.fits
SecZ=1.54
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=18.0 19.3 20.9
ALT/AZ=40.5 127.9
fwAVG=2.13
sdW=45.1
fwW=1.98
sdS=64.1
fwS=2.17
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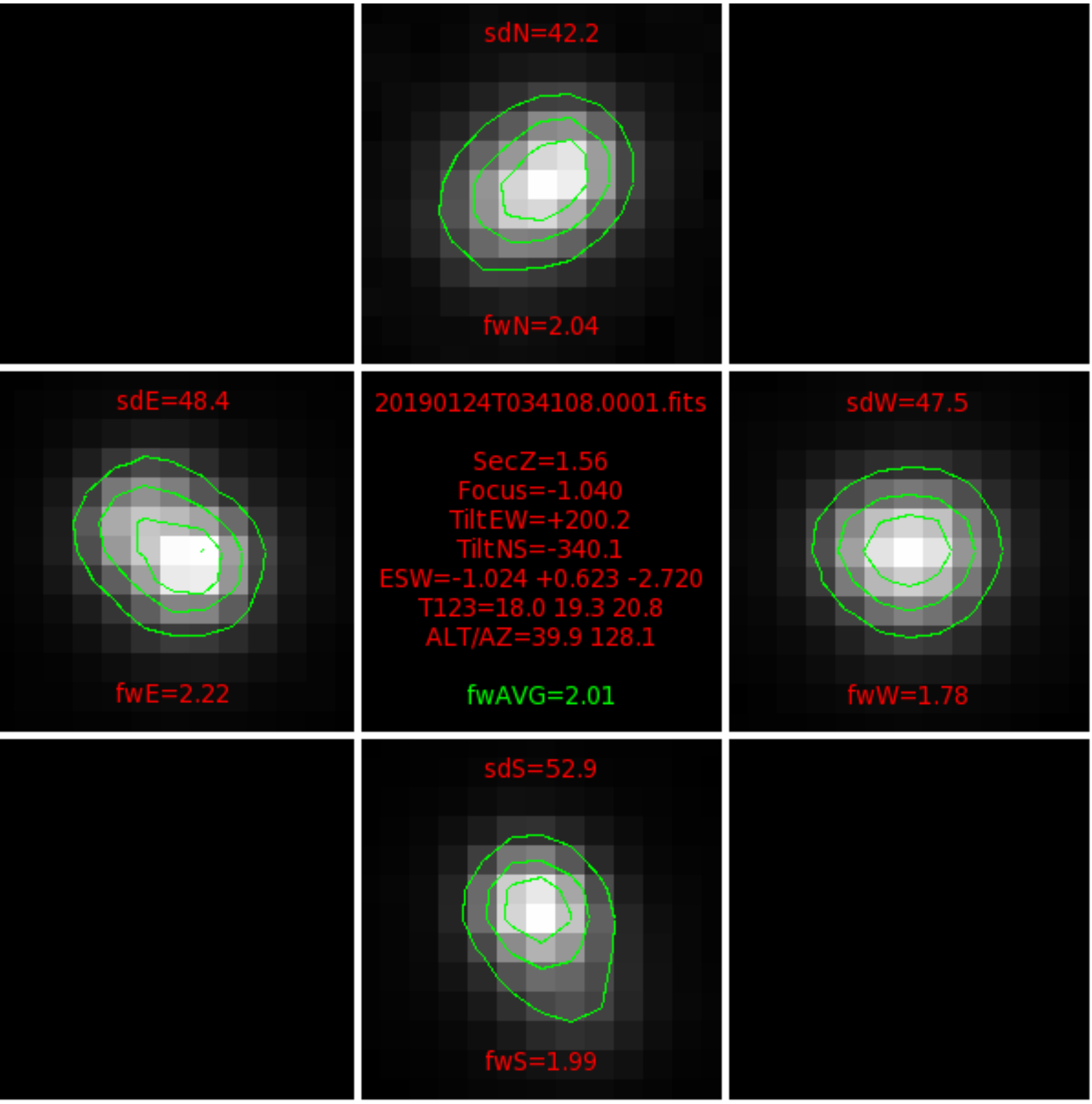
sdN=42.2
fwN=2.04
sdE=48.4
fwE=2.22
20190124T034108.0001.fits
SecZ=1.56
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=18.0 19.3 20.8
ALT/AZ=39.9 128.1
fwAVG=2.01
sdW=47.5
fwW=1.78
sdS=52.9
fwS=1.99
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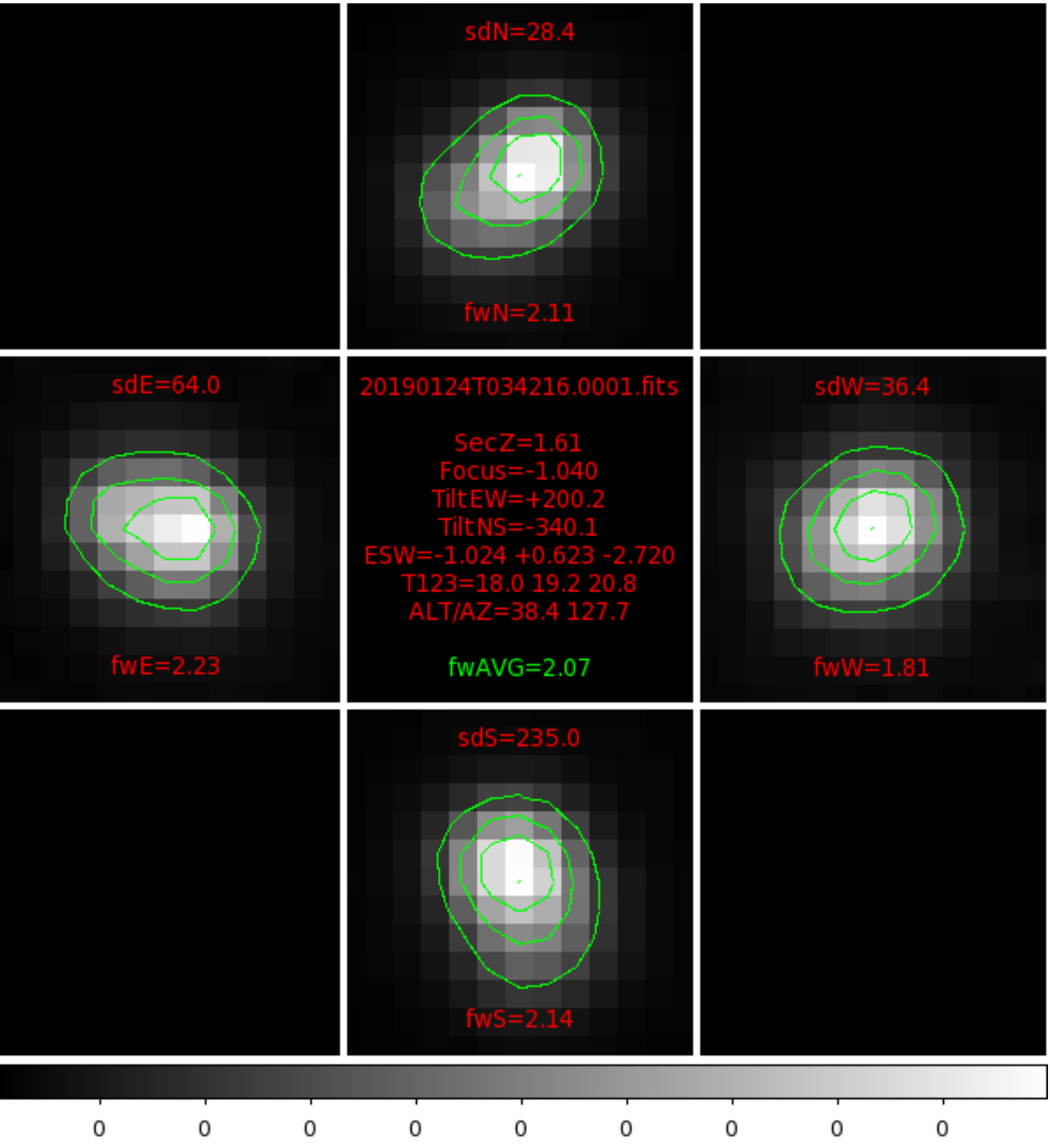
sdN=28.4
fwN=2.11
sdE=64.0
fwE=2.23
20190124T034216.0001.fits
SecZ=1.61
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=18.0 19.2 20.8
ALT/AZ=38.4 127.7
fwAVG=2.07
sdW=36.4
fwW=1.81
sdS=235.0
fwS=2.14
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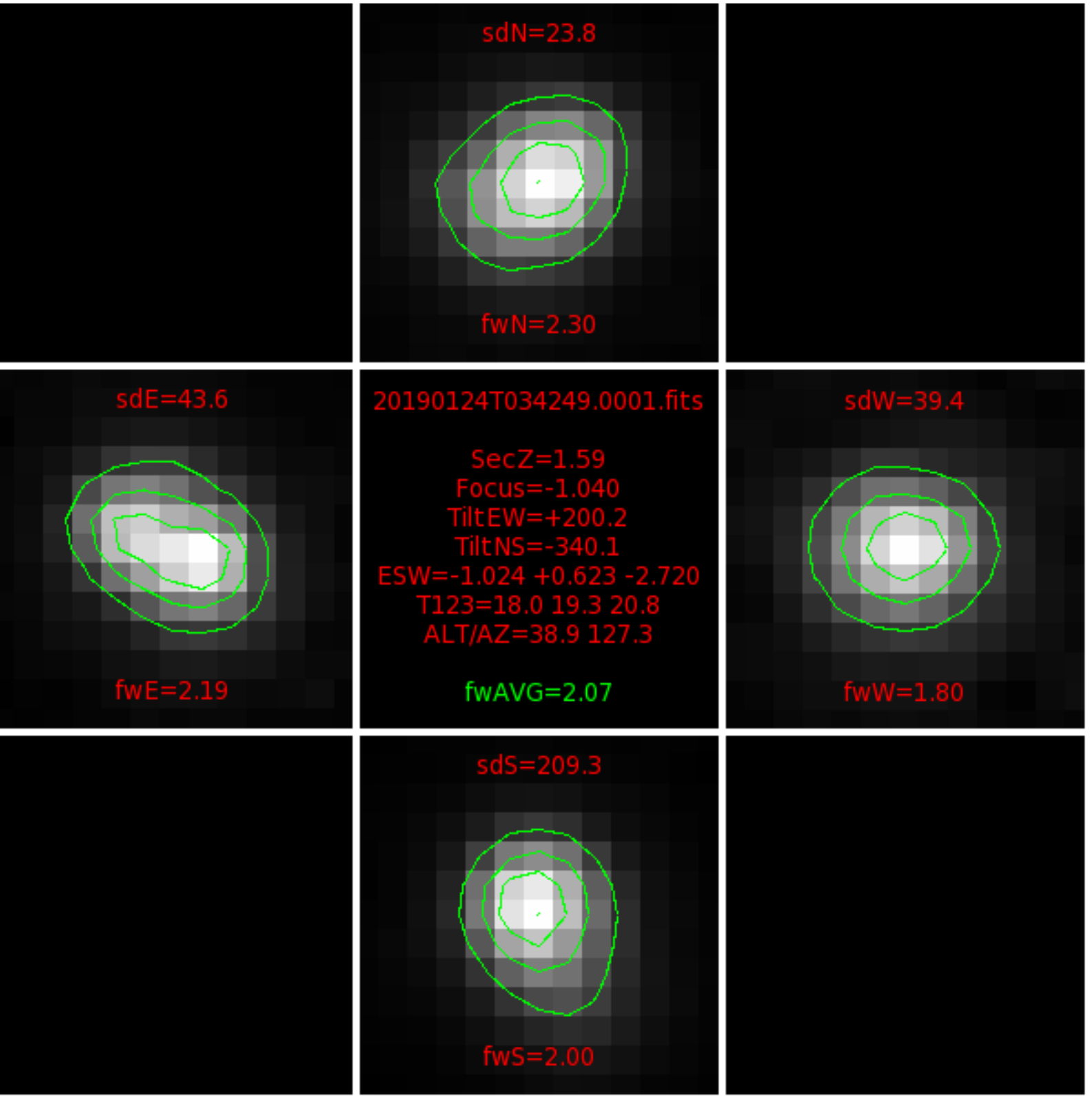
sdN=23.8
fwN=2.30
sdE=43.6
fwE=2.19
20190124T034249.0001.fits
SecZ=1.59
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=18.0 19.3 20.8
ALT/AZ=38.9 127.3
fwAVG=2.07
sdW=39.4
fwW=1.80
sdS=209.3
fwS=2.00
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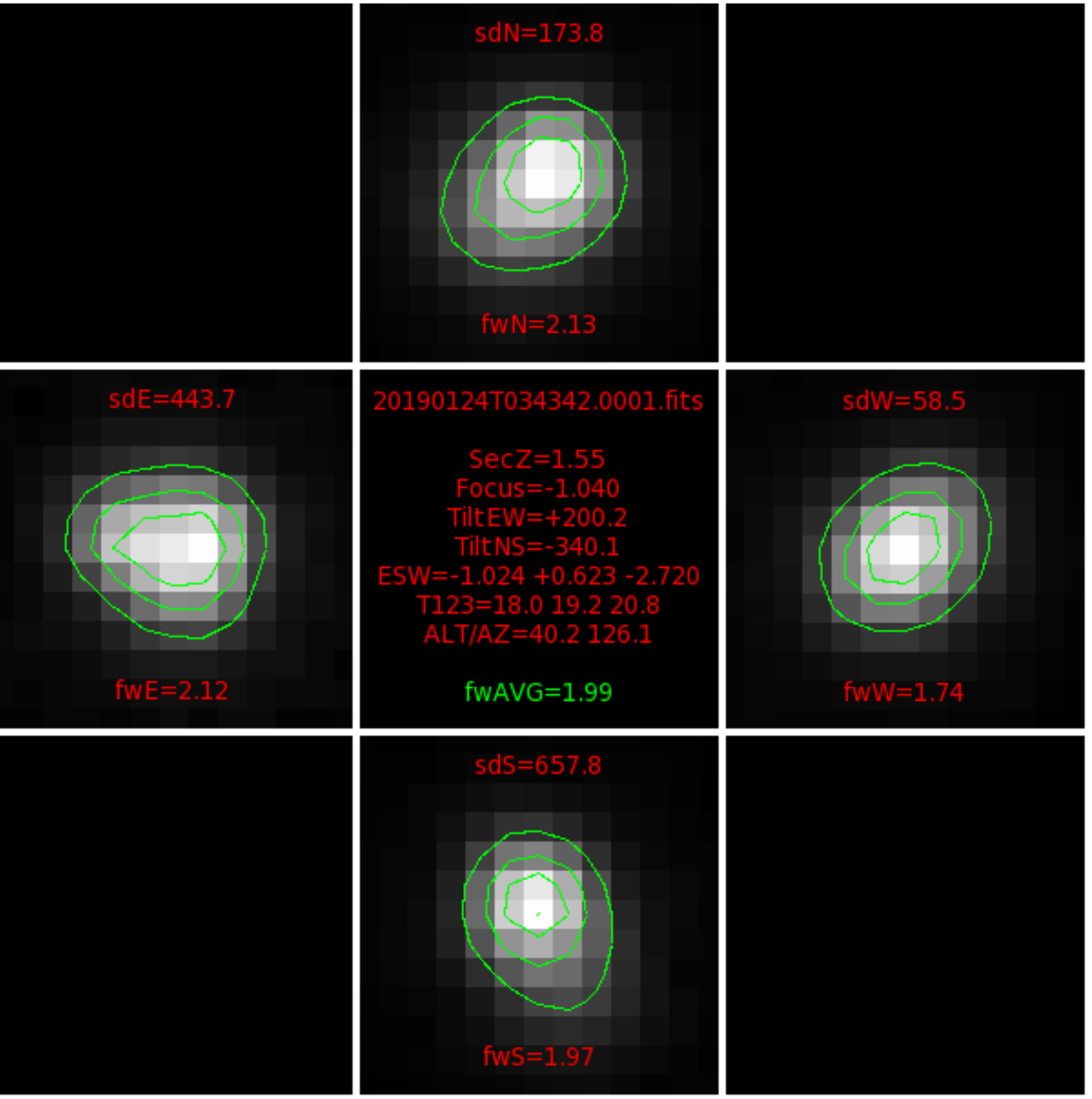
sdN=173.8
fwN=2.13
sdE=443.7
fwE=2.12
20190124T034342.0001.fits
SecZ=1.55
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=18.0 19.2 20.8
ALT/AZ=40.2 126.1
fwAVG=1.99
sdW=58.5
fwW=1.74
sdS=657.8
fwS=1.97
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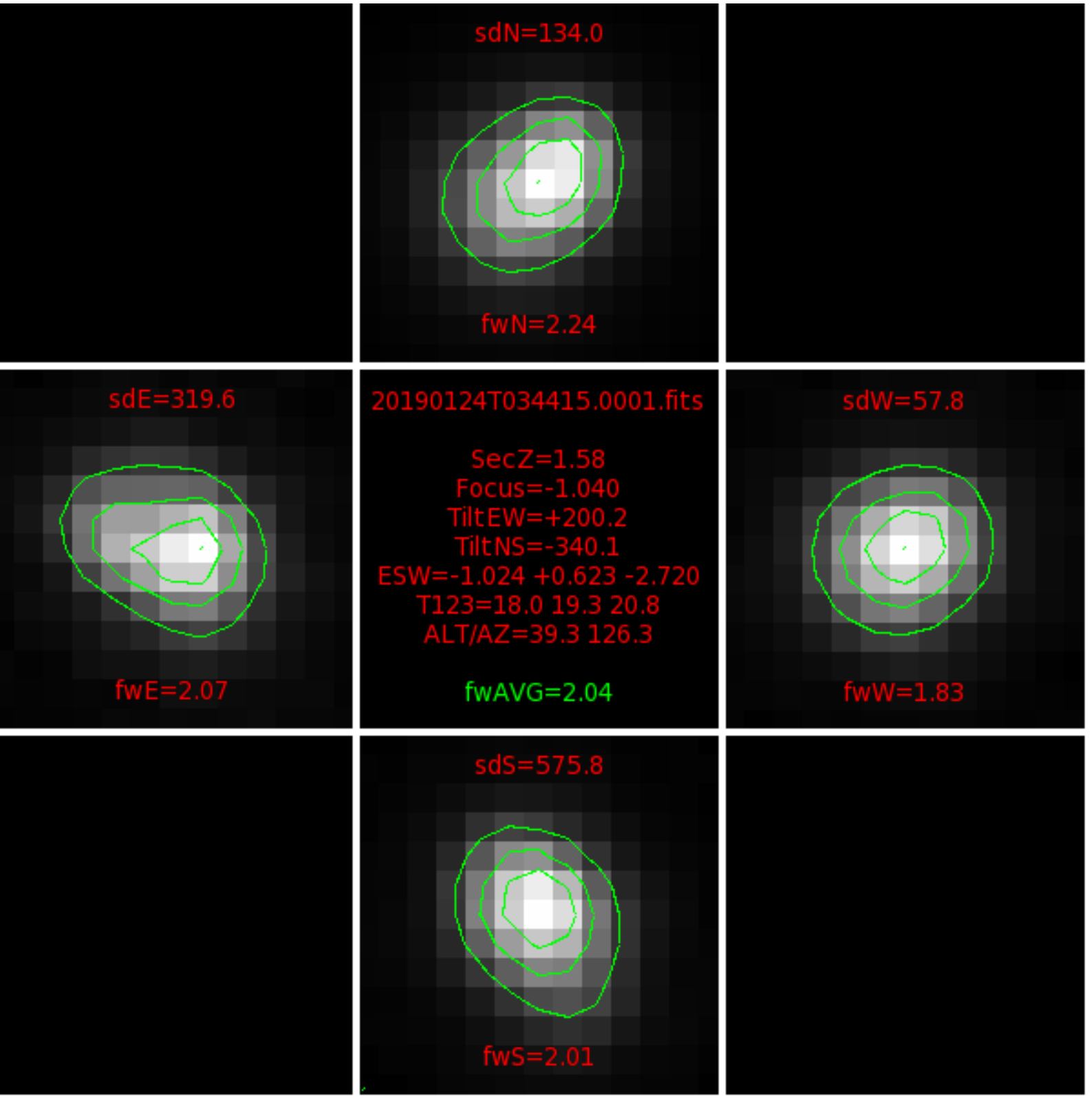
sdN=134.0
fwN=2.24
sdE=319.6
fwE=2.07
20190124T034415.0001.fits
SecZ=1.58
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=18.0 19.3 20.8
ALT/AZ=39.3 126.3
fwAVG=2.04
sdW=57.8
fwW=1.83
sdS=575.8
fwS=2.01
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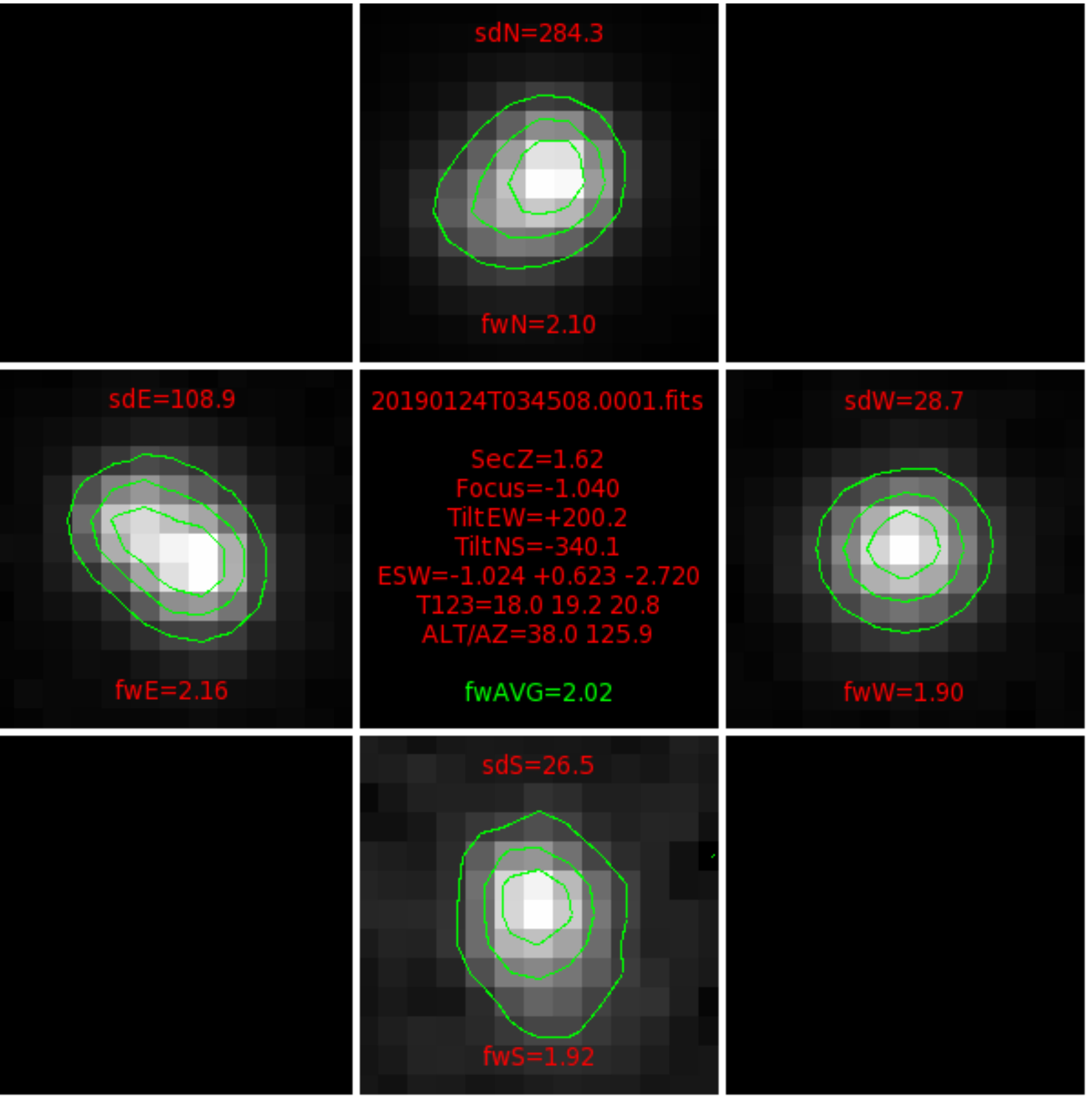
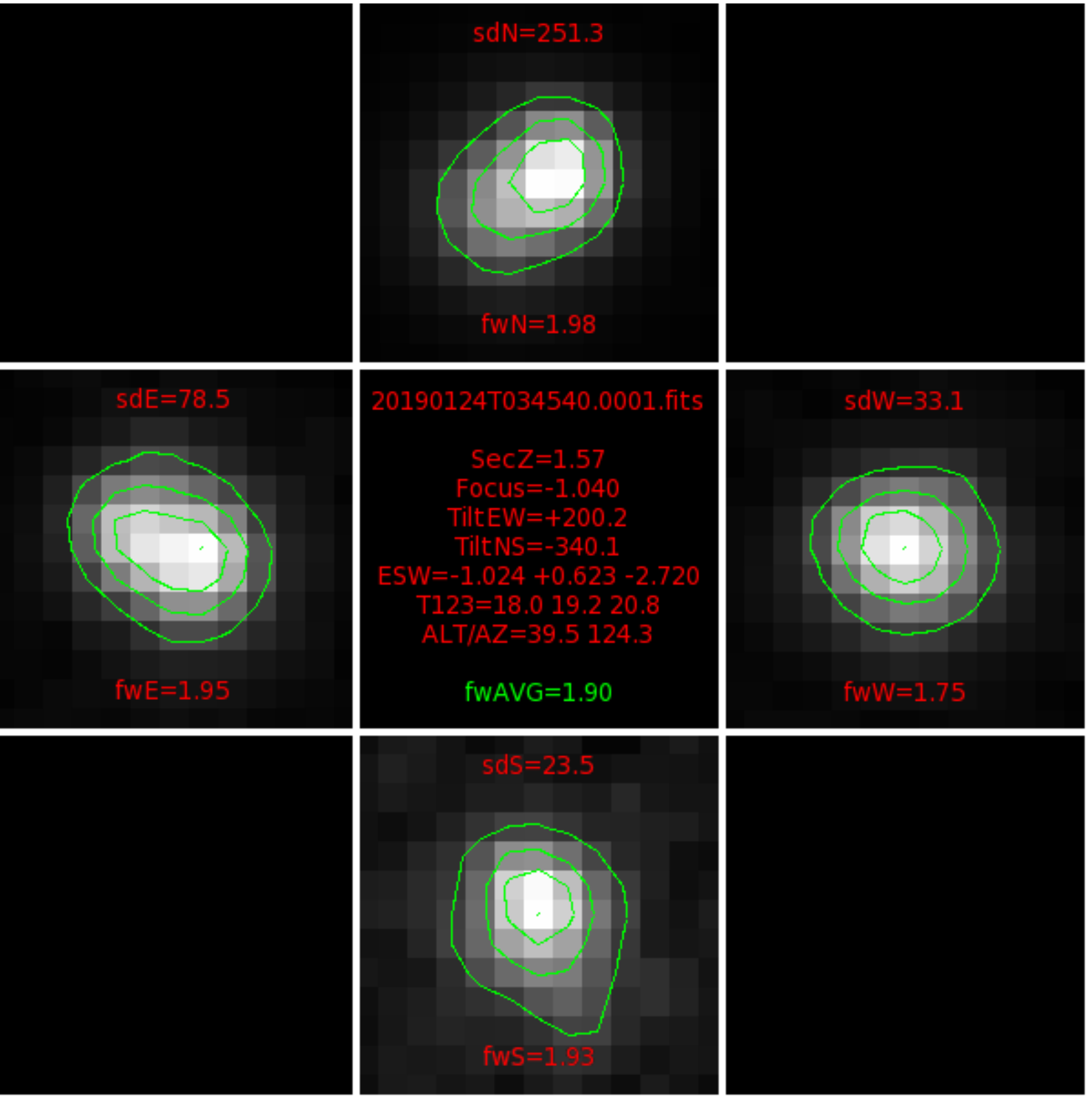

sdN=284.3
fwN=2.10
sdE=108.9
fwE=2.16
20190124T034508.0001.fits
SecZ=1.62
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=18.0 19.2 20.8
ALT/AZ=38.0 125.9
fwAVG=2.02
sdW=28.7
fwW=1.90
sdS=26.5
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=251.3
fwN=1.98
sdE=78.5
fwE=1.95
20190124T034540.0001.fits
SecZ=1.57
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=18.0 19.2 20.8
ALT/AZ=39.5 124.3
fwAVG=1.90
sdW=33.1
fwW=1.75
sdS=23.5
fwS=1.93
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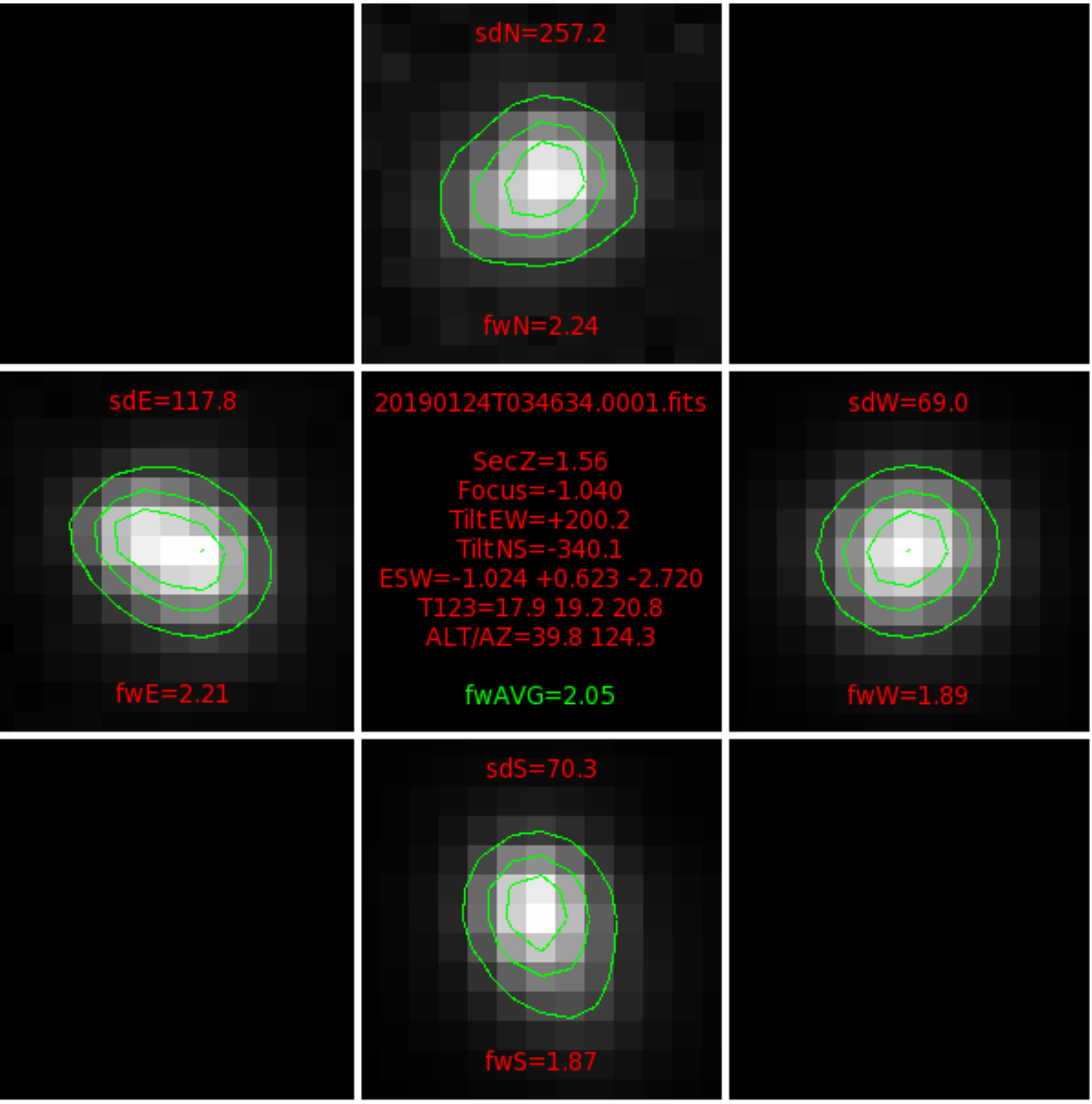
sdN=257.2
fwN=2.24
sdE=117.8
fwE=2.21
20190124T034634.0001.fits
SecZ=1.56
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=17.9 19.2 20.8
ALT/AZ=39.8 124.3
fwAVG=2.05
sdW=69.0
fwW=1.89
sdS=70.3
fwS=1.87
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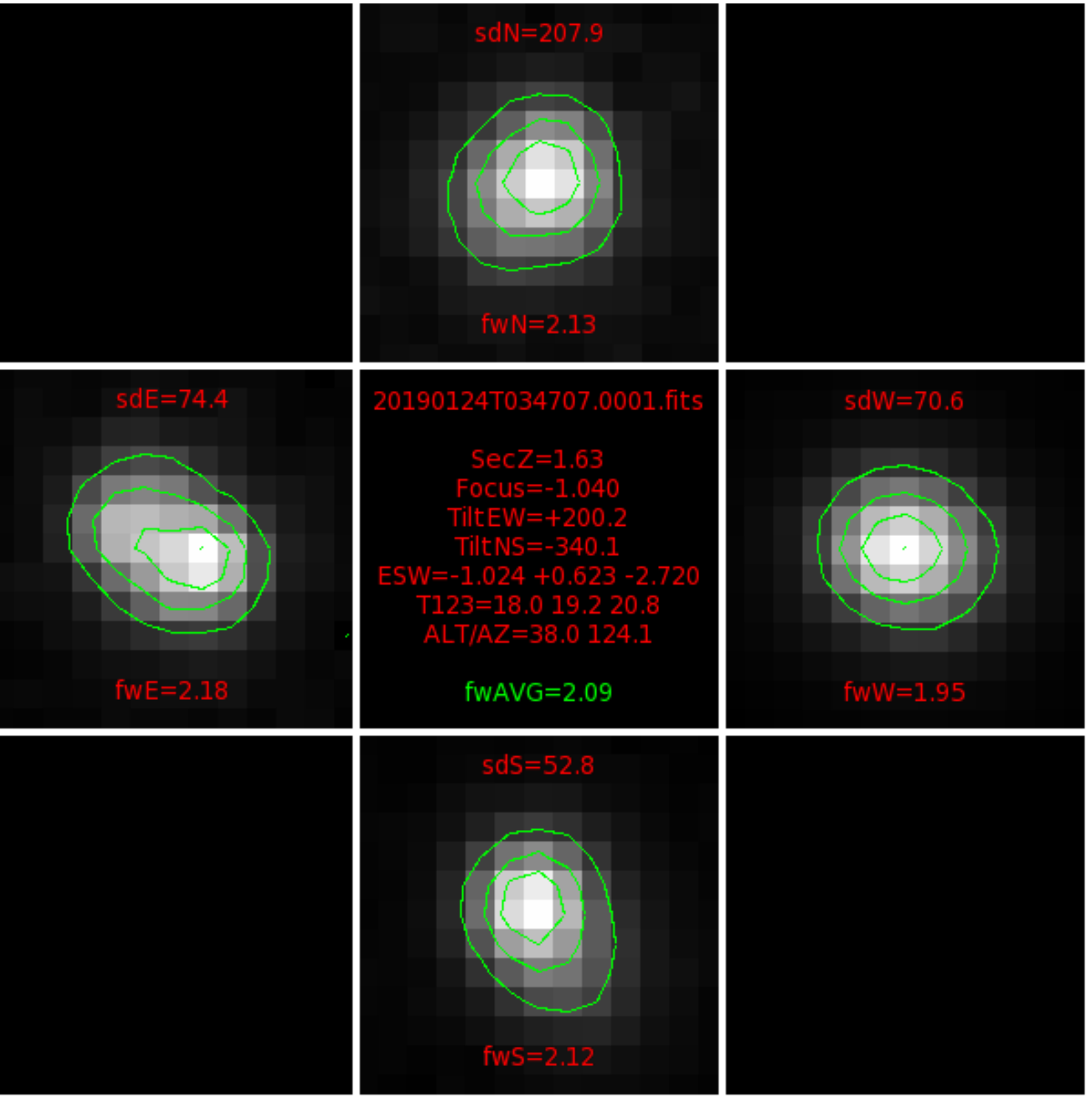
sdN=207.9
fwN=2.13
sdE=74.4
fwE=2.18
20190124T034707.0001.fits
SecZ=1.63
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=18.0 19.2 20.8
ALT/AZ=38.0 124.1
fwAVG=2.09
sdW=70.6
fwW=1.95
sdS=52.8
fwS=2.12
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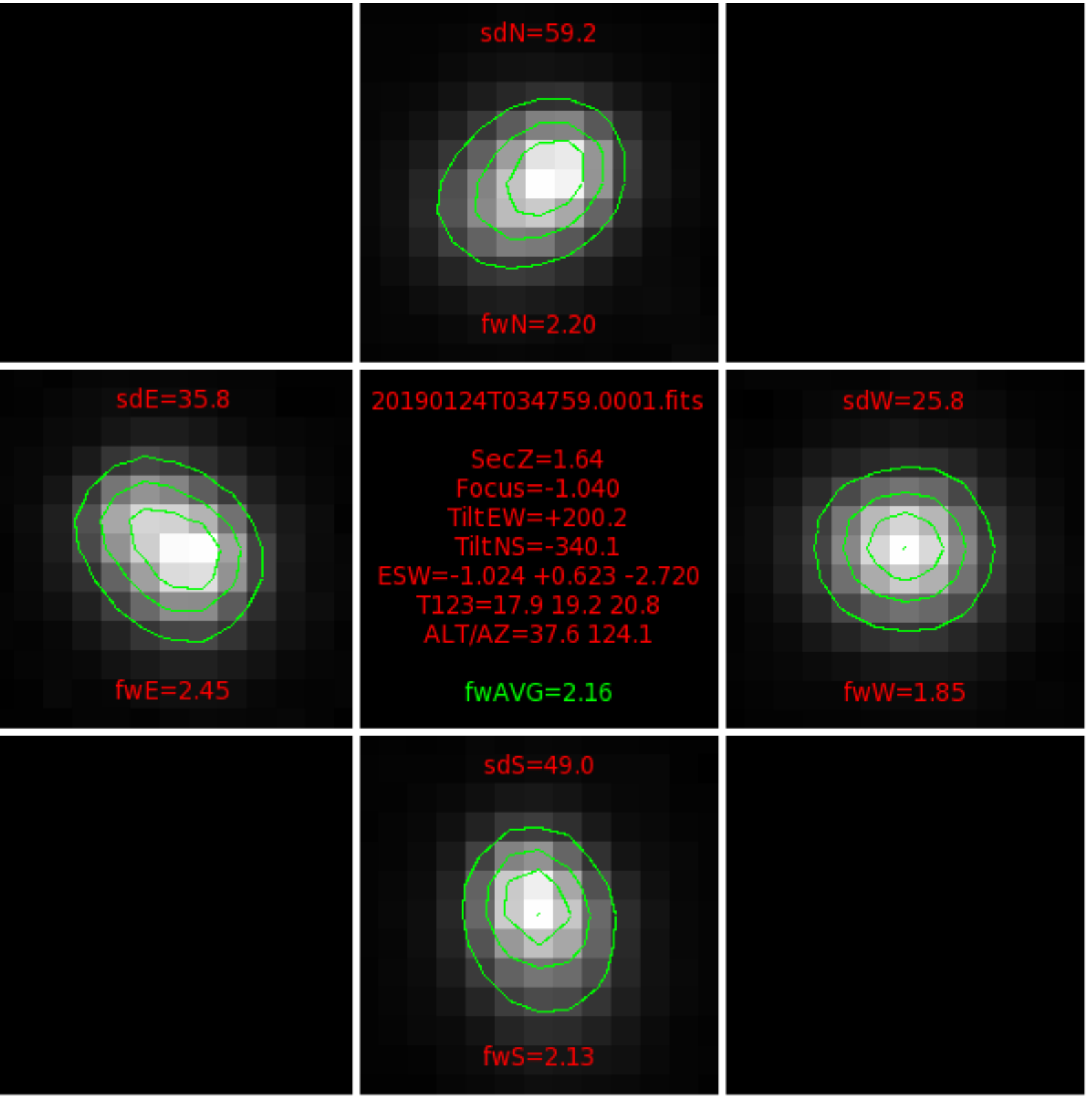
sdN=59.2
fwN=2.20
sdE=35.8
fwE=2.45
20190124T034759.0001.fits
SecZ=1.64
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=17.9 19.2 20.8
ALT/AZ=37.6 124.1
fwAVG=2.16
sdW=25.8
fwW=1.85
sdS=49.0
fwS=2.13
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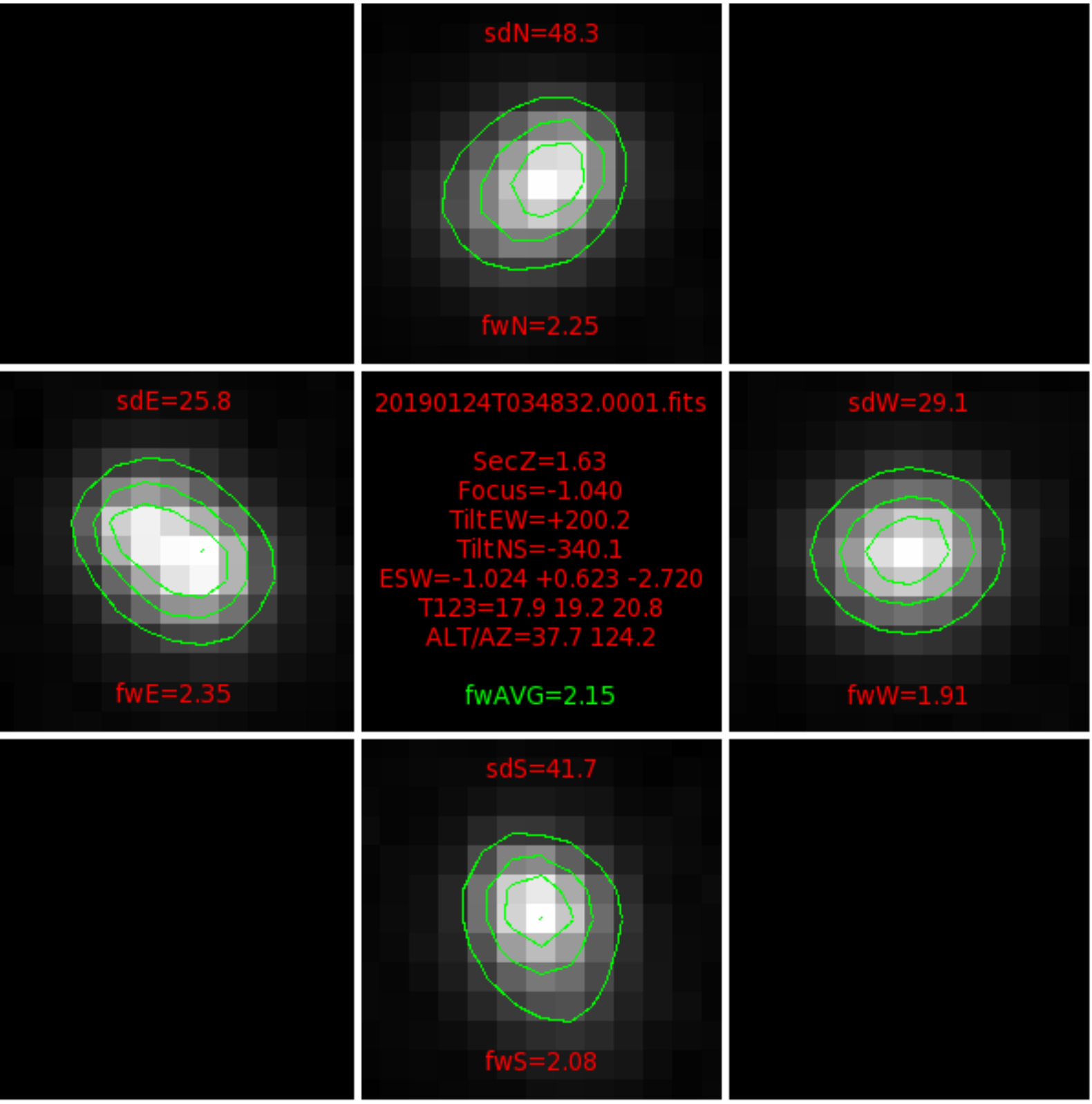
sdN=48.3
fwN=2.25
sdE=25.8
fwE=2.35
20190124T034832.0001.fits
SecZ=1.63
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=17.9 19.2 20.8
ALT/AZ=37.7 124.2
fwAVG=2.15
sdW=29.1
fwW=1.91
sdS=41.7
fwS=2.08
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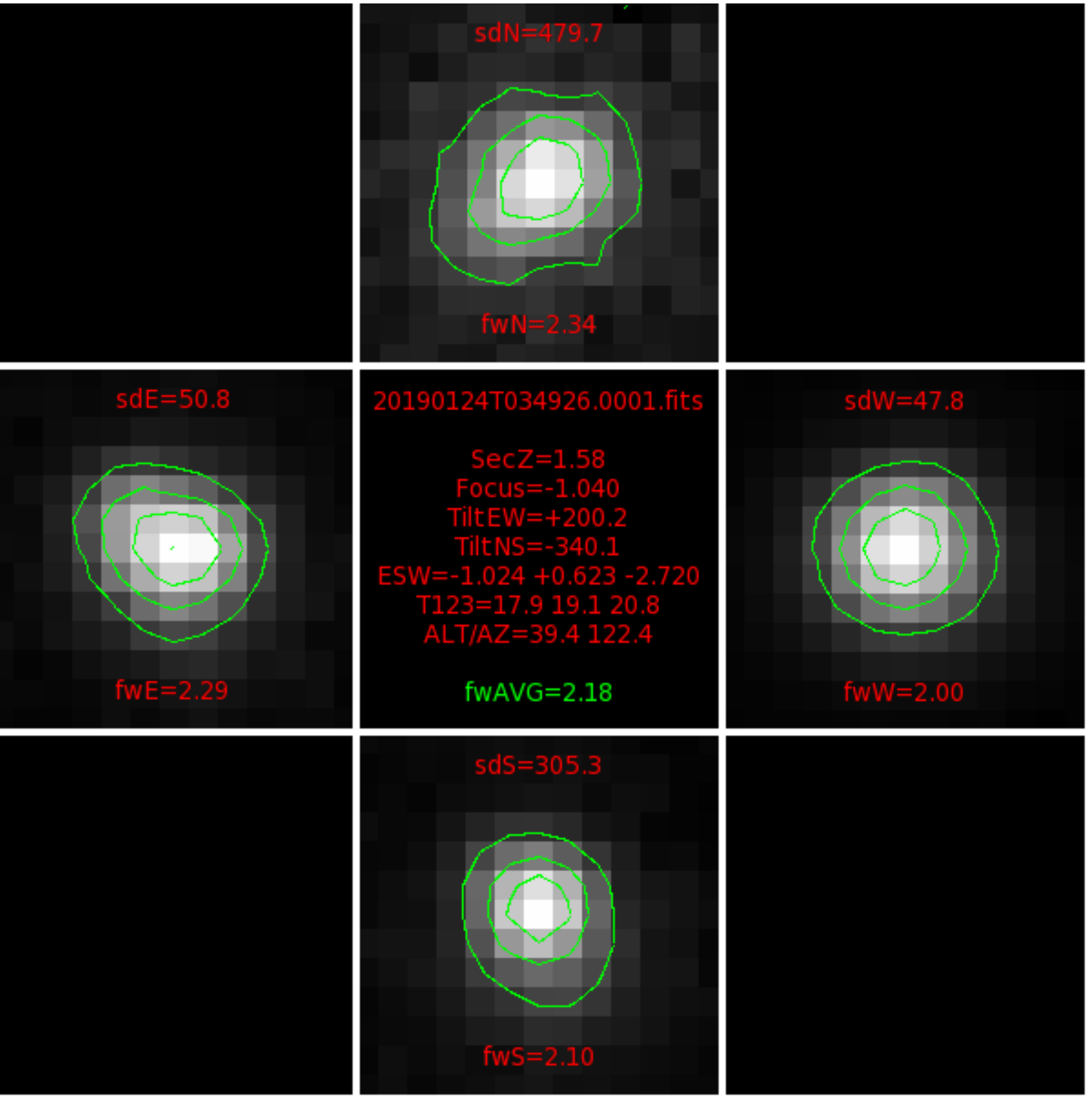
sdN=479.7
fwN=2.34
sdE=50.8
fwE=2.29
20190124T034926.0001.fits
SecZ=1.58
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=17.9 19.1 20.8
ALT/AZ=39.4 122.4
fwAVG=2.18
sdW=47.8
fwW=2.00
sdS=305.3
fwS=2.10
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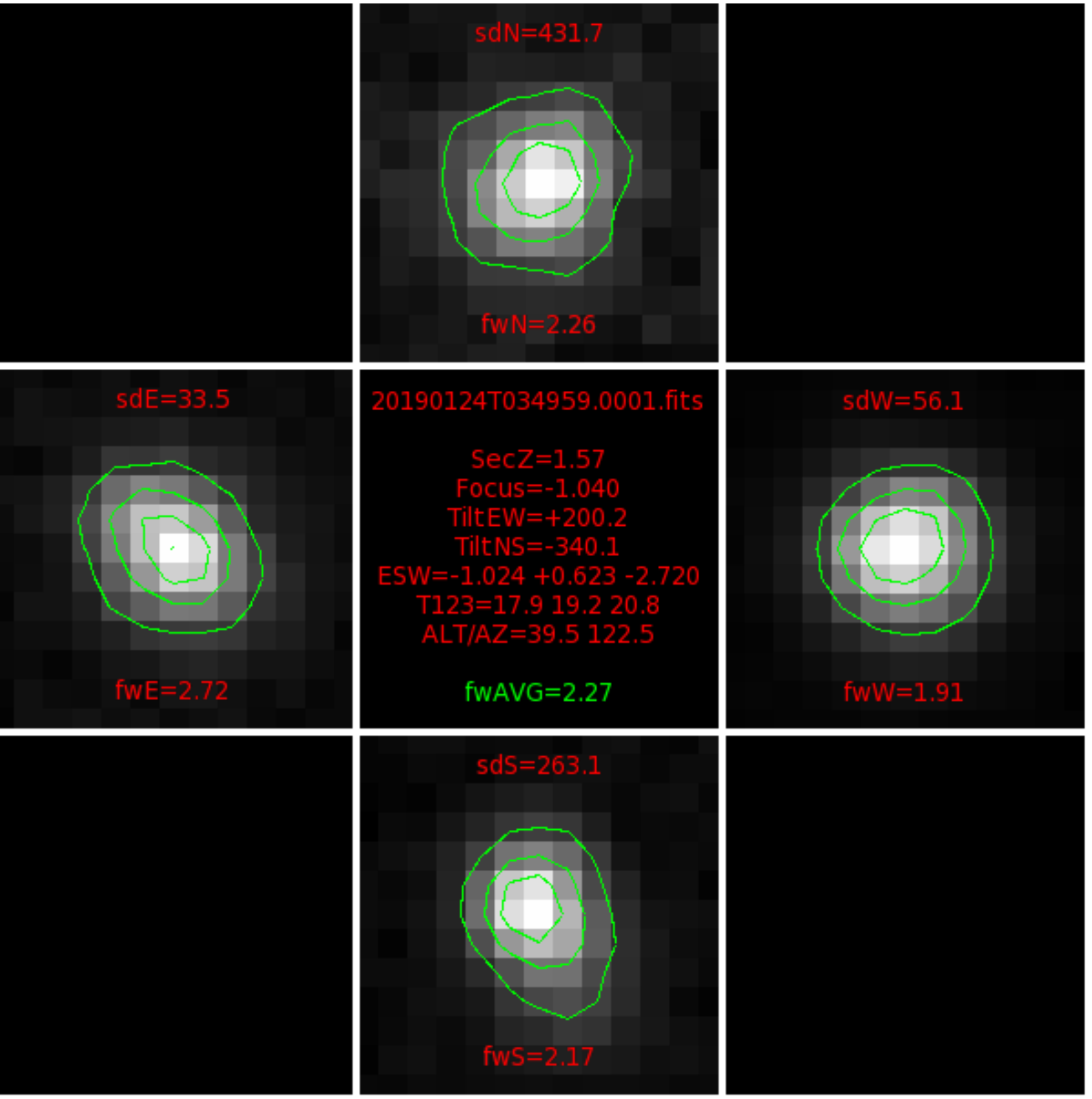
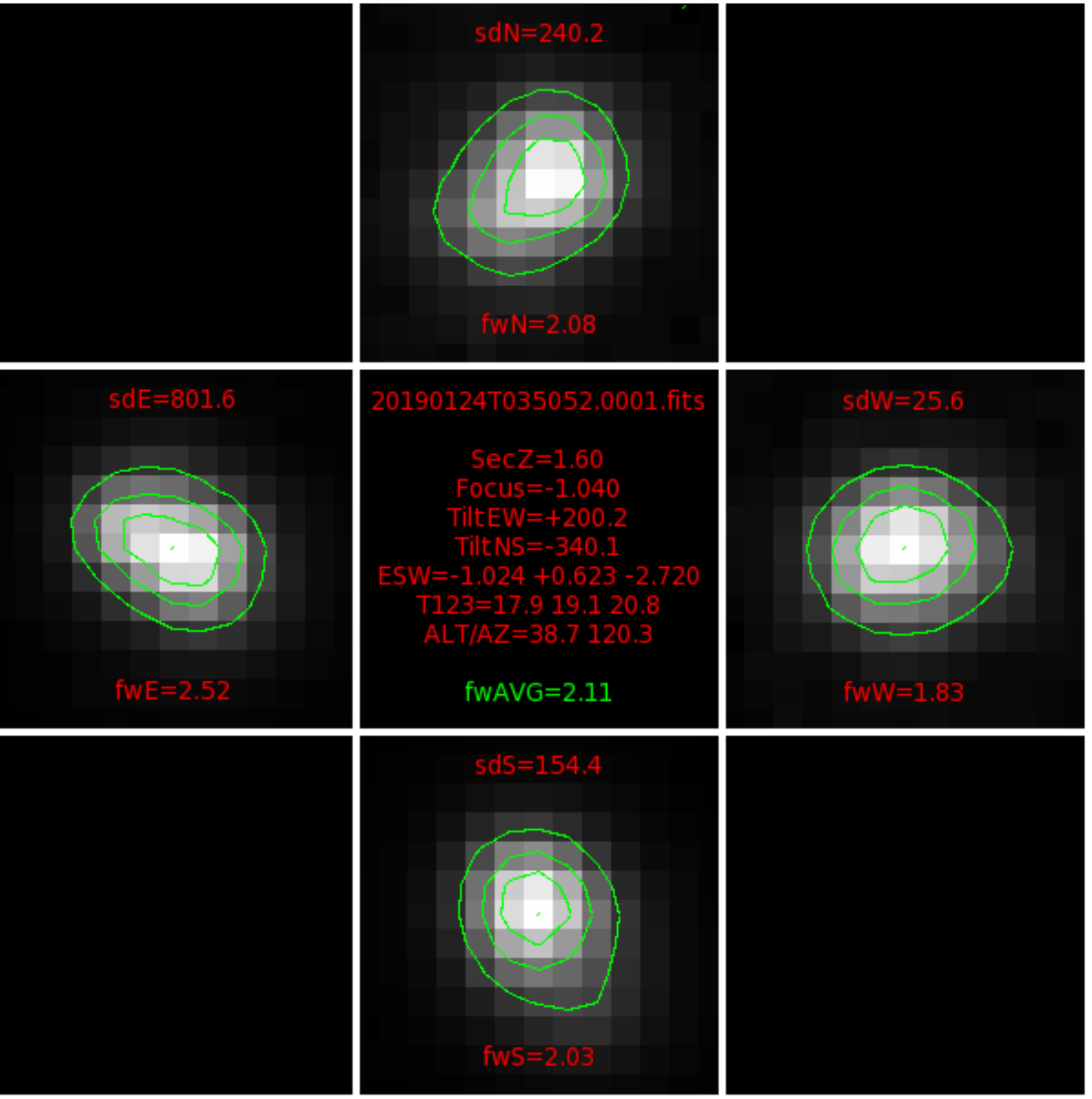
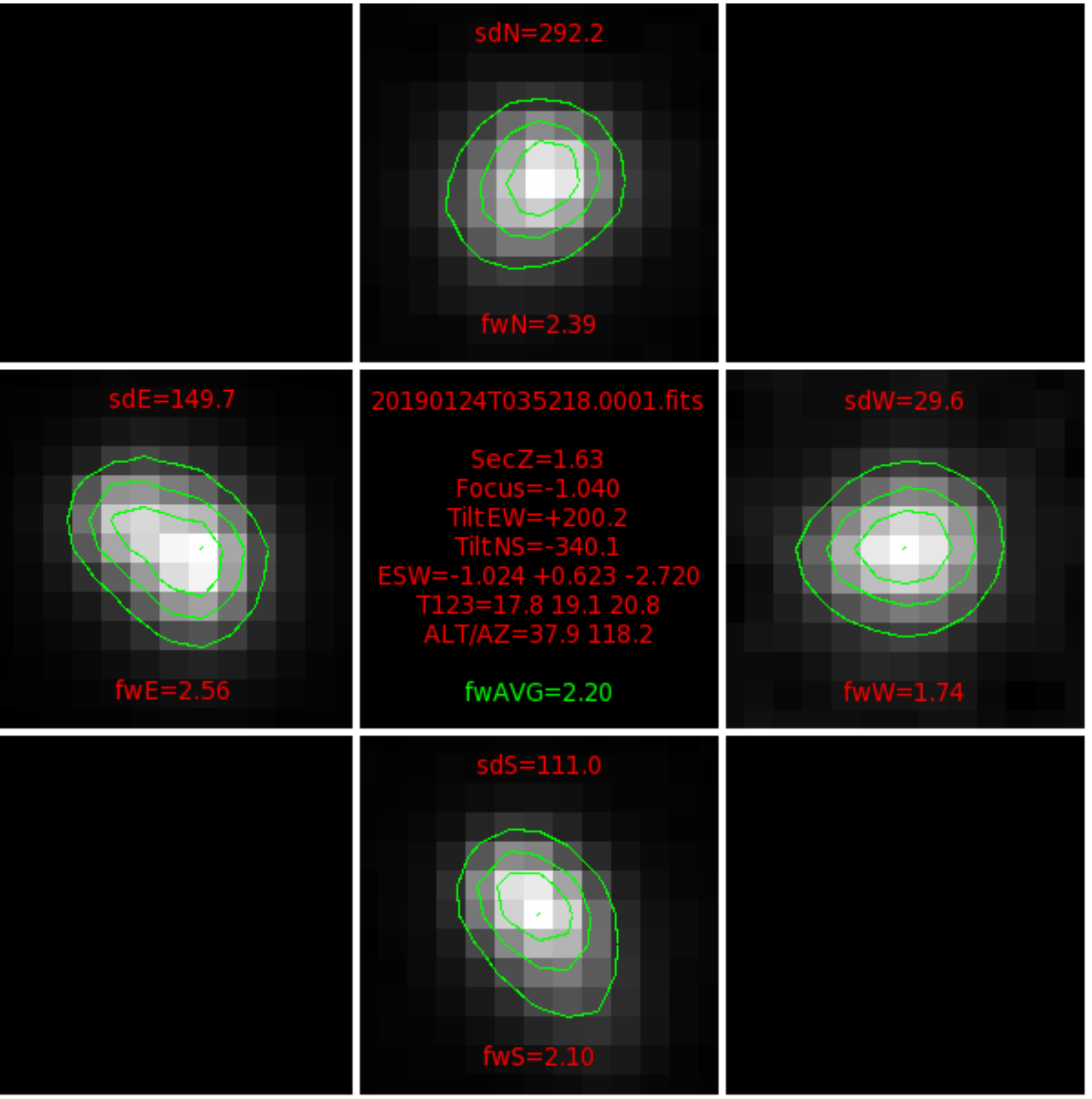
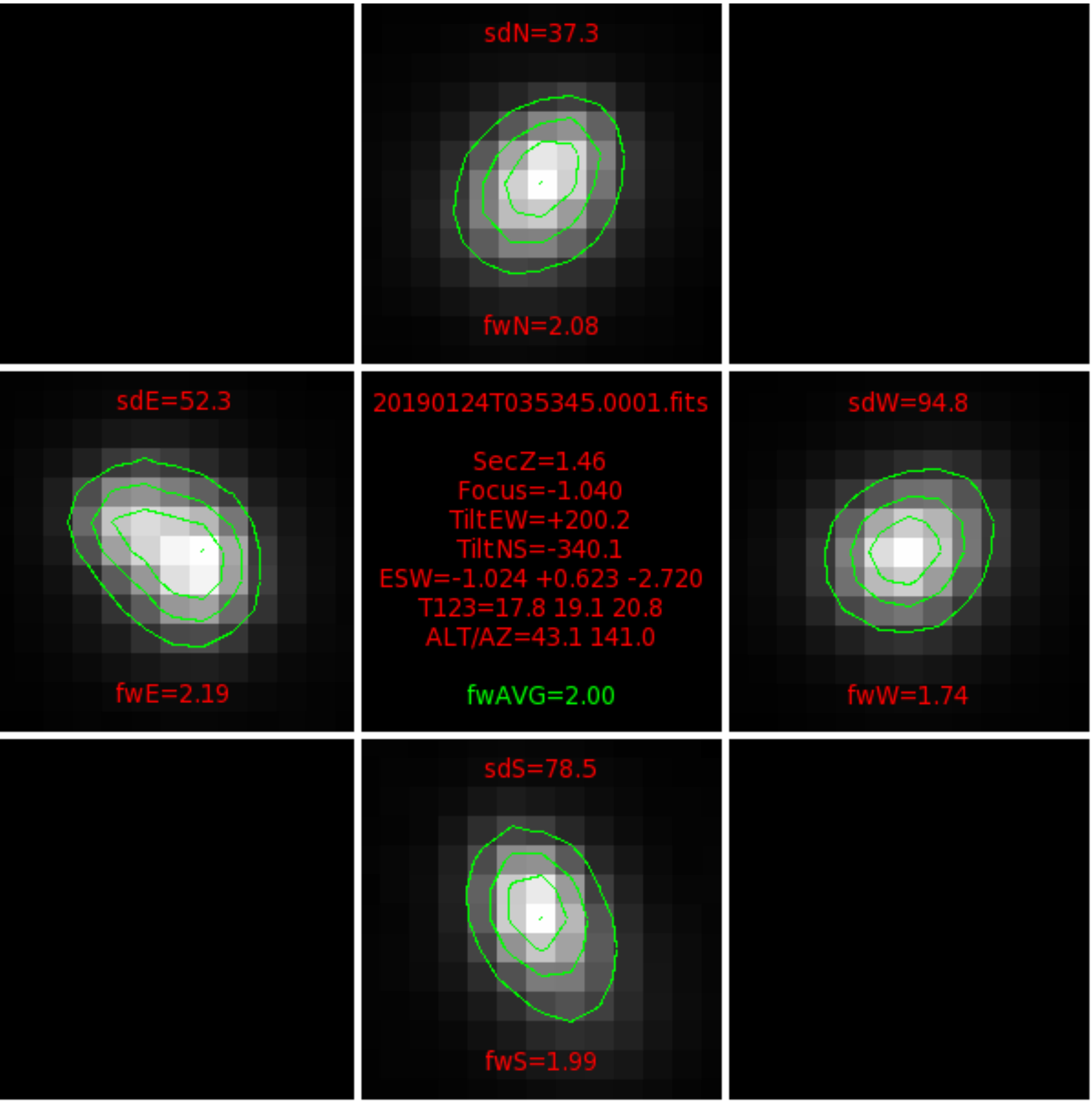
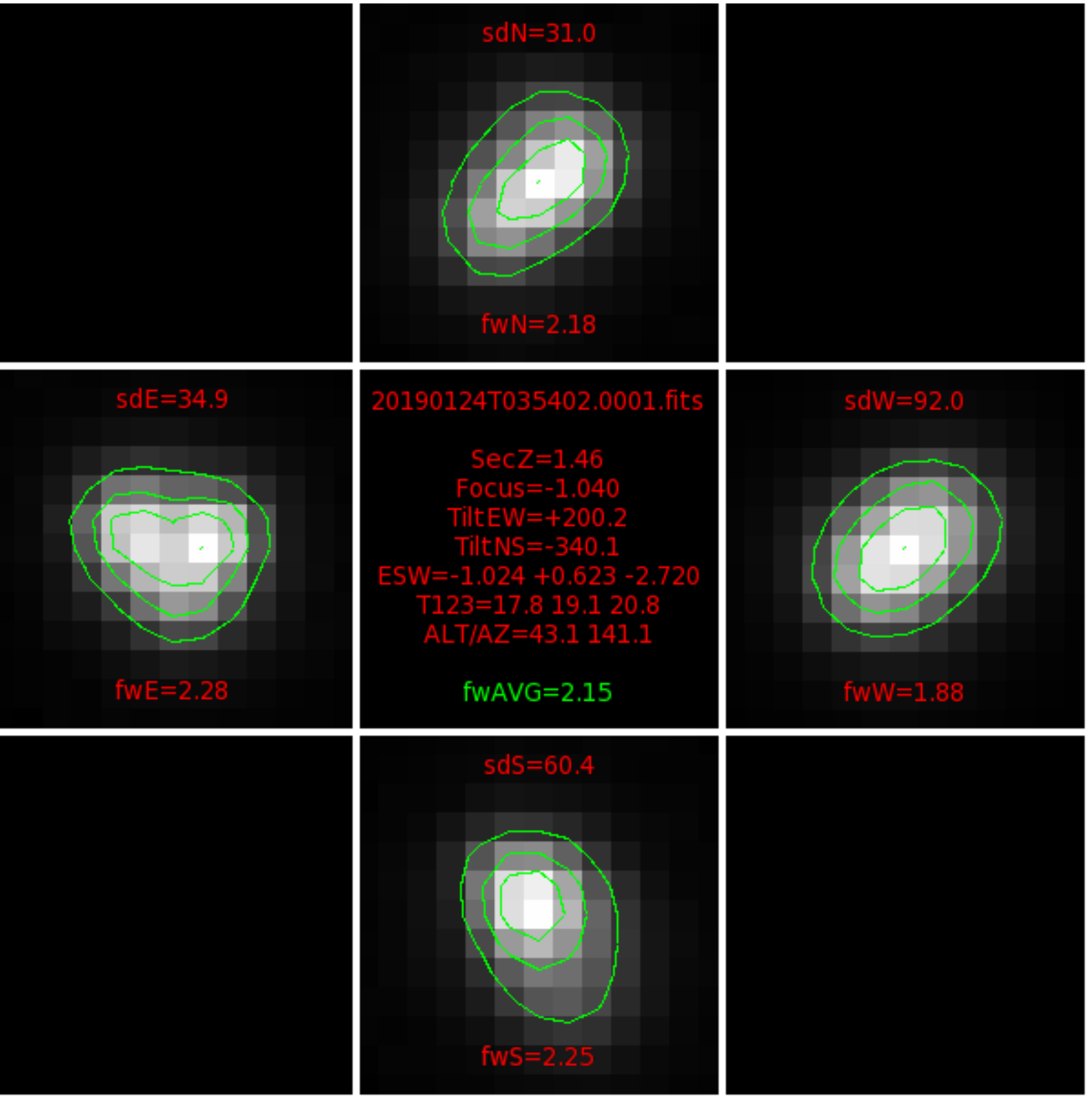
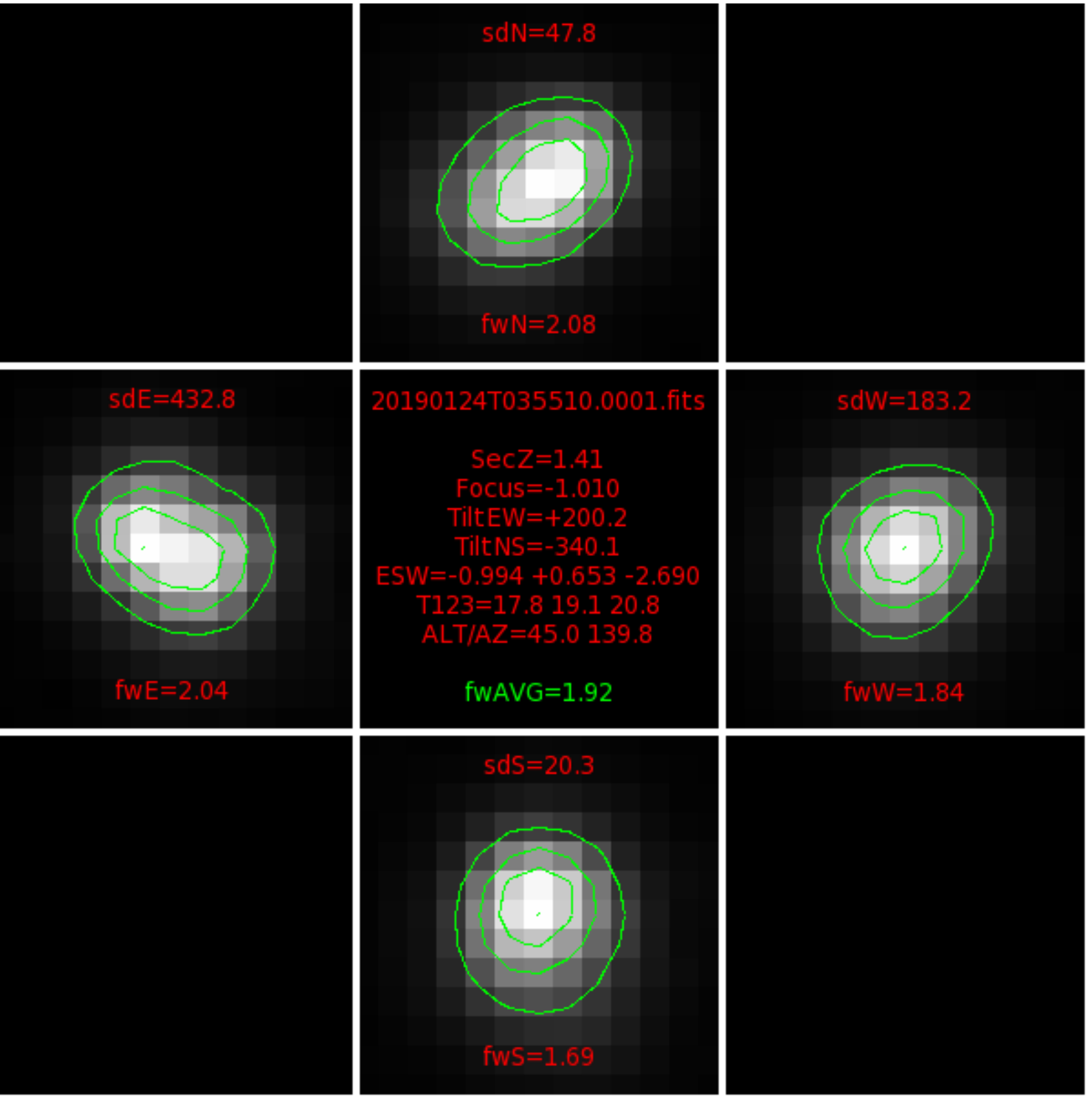

sdN=431.7
fwN=2.26
sdE=33.5
fwE=2.72
20190124T034959.0001.fits
SecZ=1.57
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=17.9 19.2 20.8
ALT/AZ=39.5 122.5
fwAVG=2.27
sdW=56.1
fwW=1.91
sdS=263.1
fwS=2.17
0 0 0 0 0 0 0 0 0


sdN=240.2
fwN=2.08
sdE=801.6
fwE=2.52
20190124T035052.0001.fits
SecZ=1.60
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=17.9 19.1 20.8
ALT/AZ=38.7 120.3
fwAVG=2.11
sdW=25.6
fwW=1.83
sdS=154.4
fwS=2.03
0 0 0 0 0 0 0 0 0


sdN=292.2
fwN=2.39
sdE=149.7
fwE=2.56
20190124T035218.0001.fits
SecZ=1.63
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=17.8 19.1 20.8
ALT/AZ=37.9 118.2
fwAVG=2.20
sdW=29.6
fwW=1.74
sdS=111.0
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=37.3
fwN=2.08
sdE=52.3
fwE=2.19
20190124T035345.0001.fits
SecZ=1.46
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=17.8 19.1 20.8
ALT/AZ=43.1 141.0
fwAVG=2.00
sdW=94.8
fwW=1.74
sdS=78.5
fwS=1.99
0 0 0 0 0 0 0 0 0


sdN=31.0
fwN=2.18
sdE=34.9
fwE=2.28
20190124T035402.0001.fits
SecZ=1.46
Focus=-1.040
TiltEW=+200.2
TiltNS=-340.1
ESW=-1.024 +0.623 -2.720
T123=17.8 19.1 20.8
ALT/AZ=43.1 141.1
fwAVG=2.15
sdW=92.0
fwW=1.88
sdS=60.4
fwS=2.25
0 0 0 0 0 0 0 0 0


sdN=47.8
fwN=2.08
sdE=432.8
fwE=2.04
20190124T035510.0001.fits
SecZ=1.41
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.8 19.1 20.8
ALT/AZ=45.0 139.8
fwAVG=1.92
sdW=183.2
fwW=1.84
sdS=20.3
fwS=1.69
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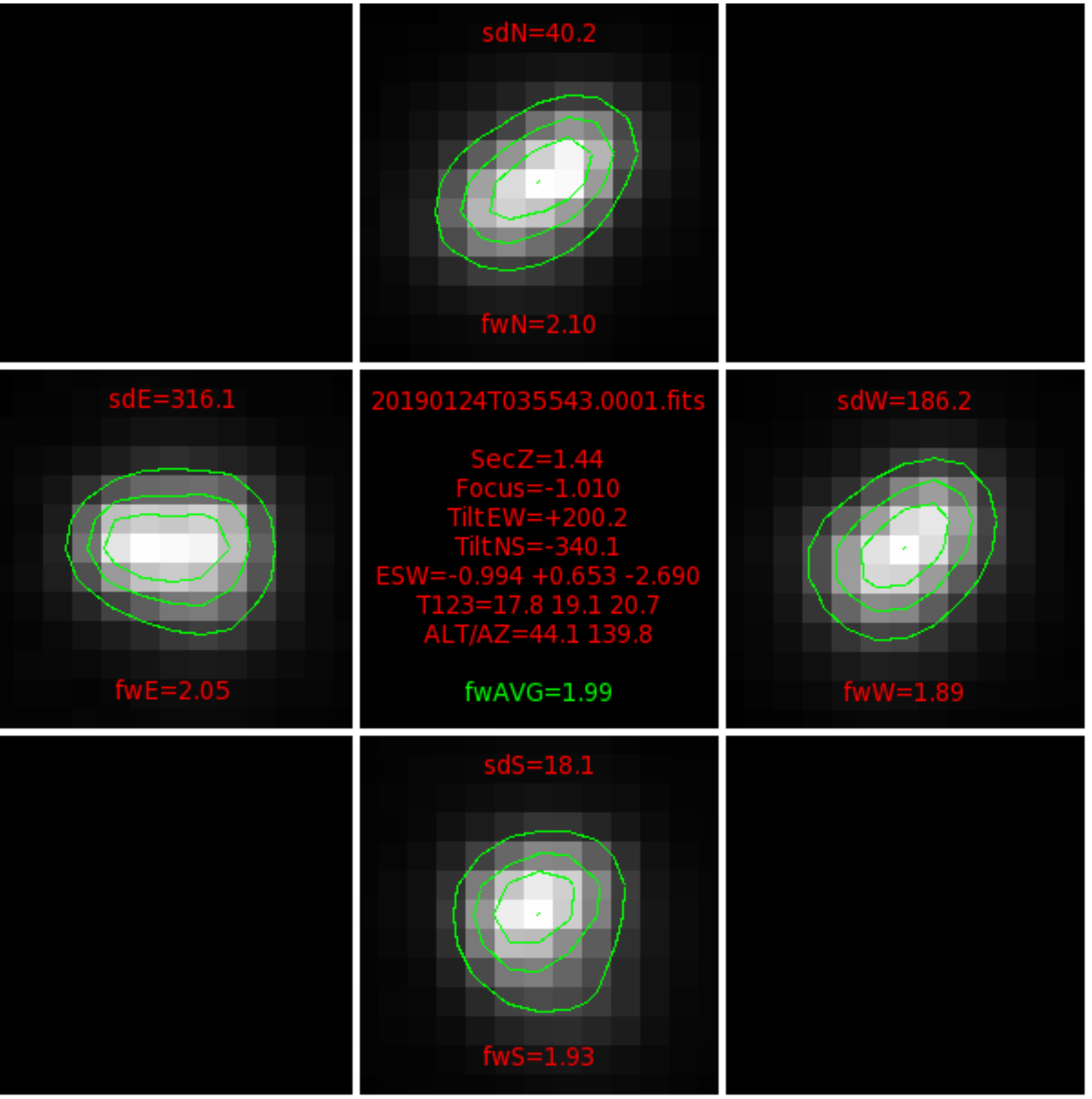
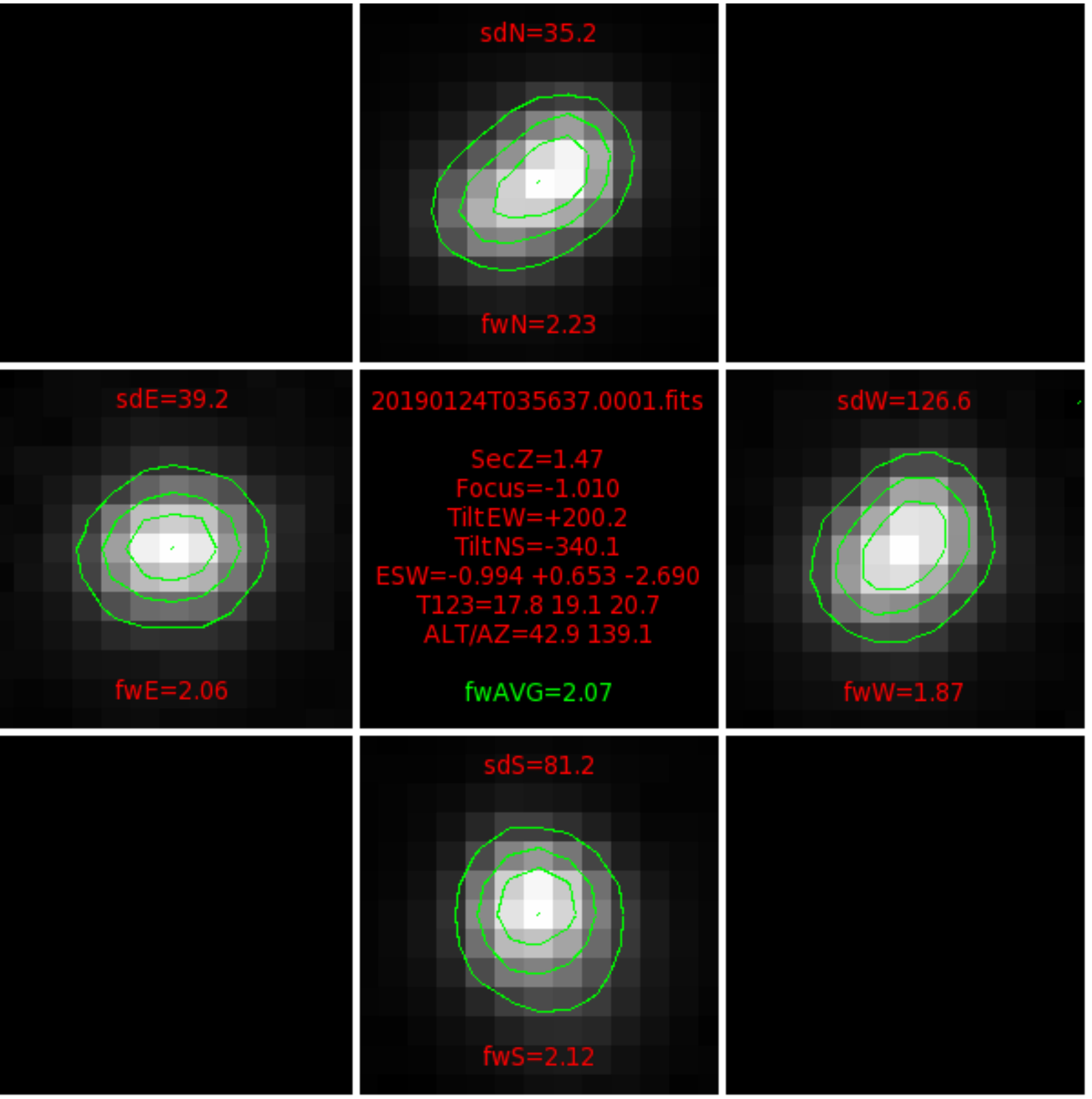

sdN=40.2
fwN=2.10
sdE=316.1
fwE=2.05
20190124T035543.0001.fits
SecZ=1.44
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.8 19.1 20.7
ALT/AZ=44.1 139.8
fwAVG=1.99
sdW=186.2
fwW=1.89
sdS=18.1
fwS=1.93
0 0 0 0 0 0 0 0 0


sdN=35.2
fwN=2.23
sdE=39.2
fwE=2.06
20190124T035637.0001.fits
SecZ=1.47
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.8 19.1 20.7
ALT/AZ=42.9 139.1
fwAVG=2.07
sdW=126.6
fwW=1.87
sdS=81.2
fwS=2.12
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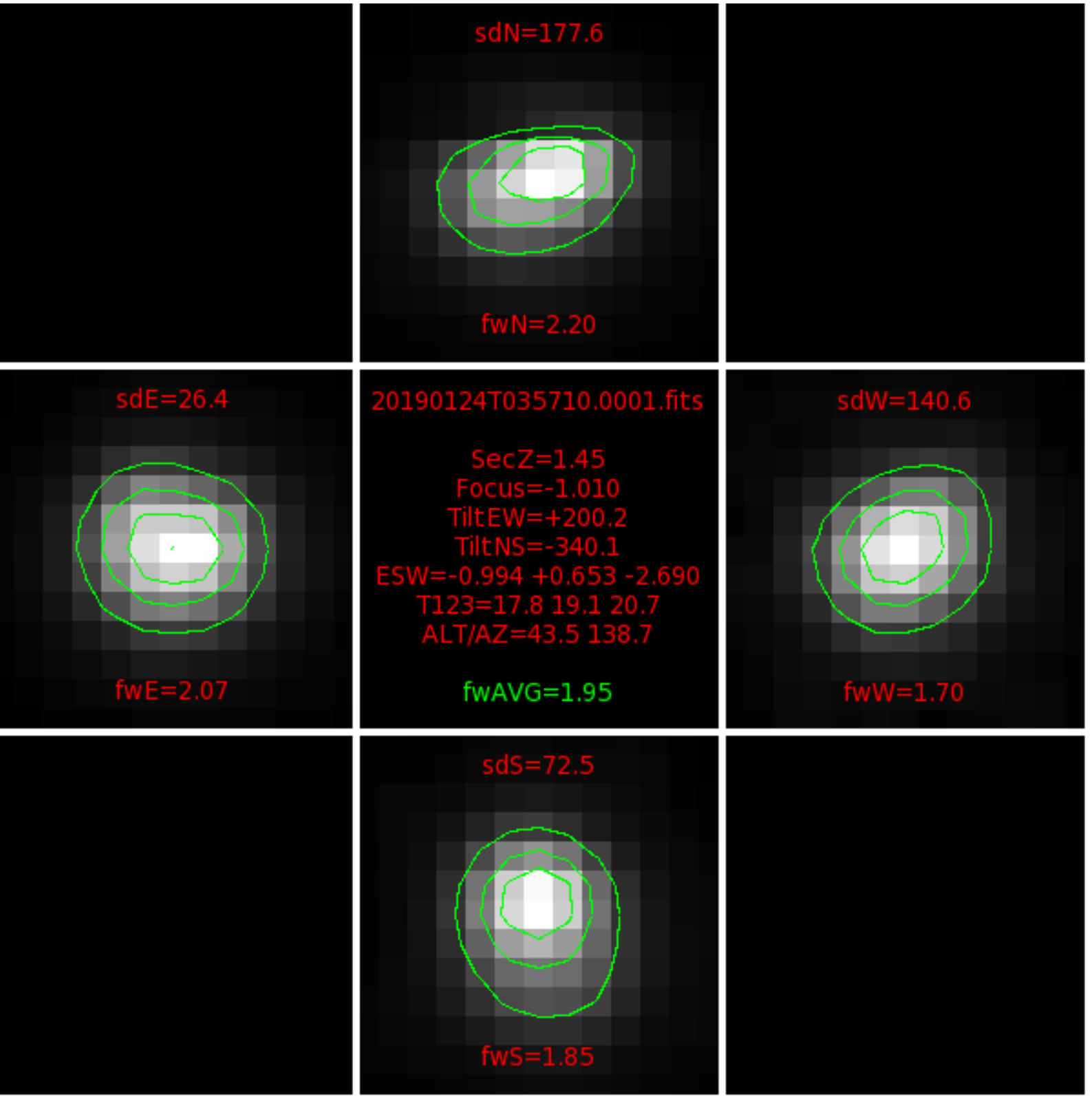
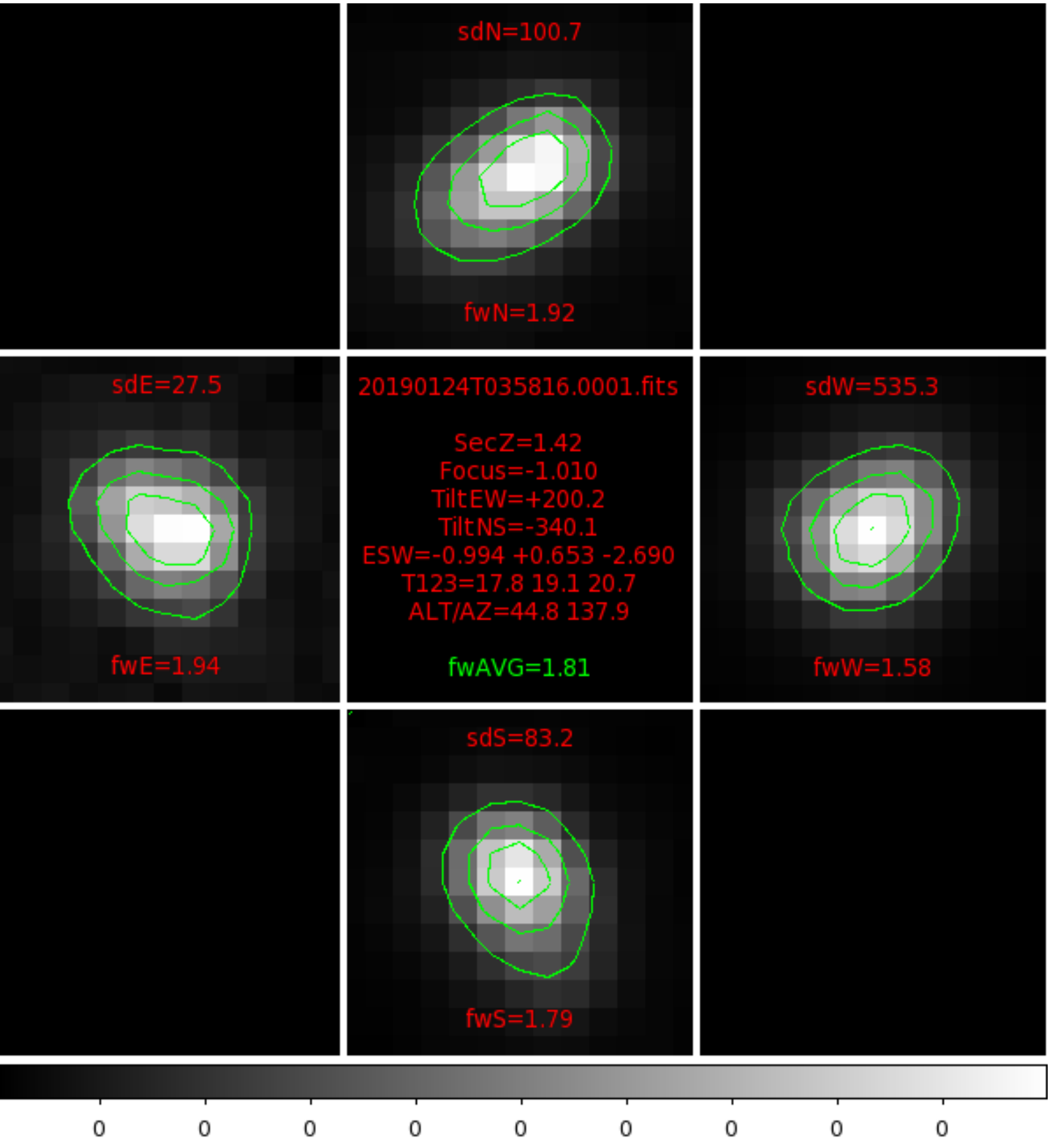

sdN=177.6
fwN=2.20
sdE=26.4
fwE=2.07
20190124T035710.0001.fits
SecZ=1.45
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.8 19.1 20.7
ALT/AZ=43.5 138.7
fwAVG=1.95
sdW=140.6
fwW=1.70
sdS=72.5
fwS=1.85
0 0 0 0 0 0 0 0 0


sdN=100.7
fwN=1.92
sdE=27.5
fwE=1.94
20190124T035816.0001.fits
SecZ=1.42
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.8 19.1 20.7
ALT/AZ=44.8 137.9
fwAVG=1.81
sdW=535.3
fwW=1.58
sdS=83.2
fwS=1.79
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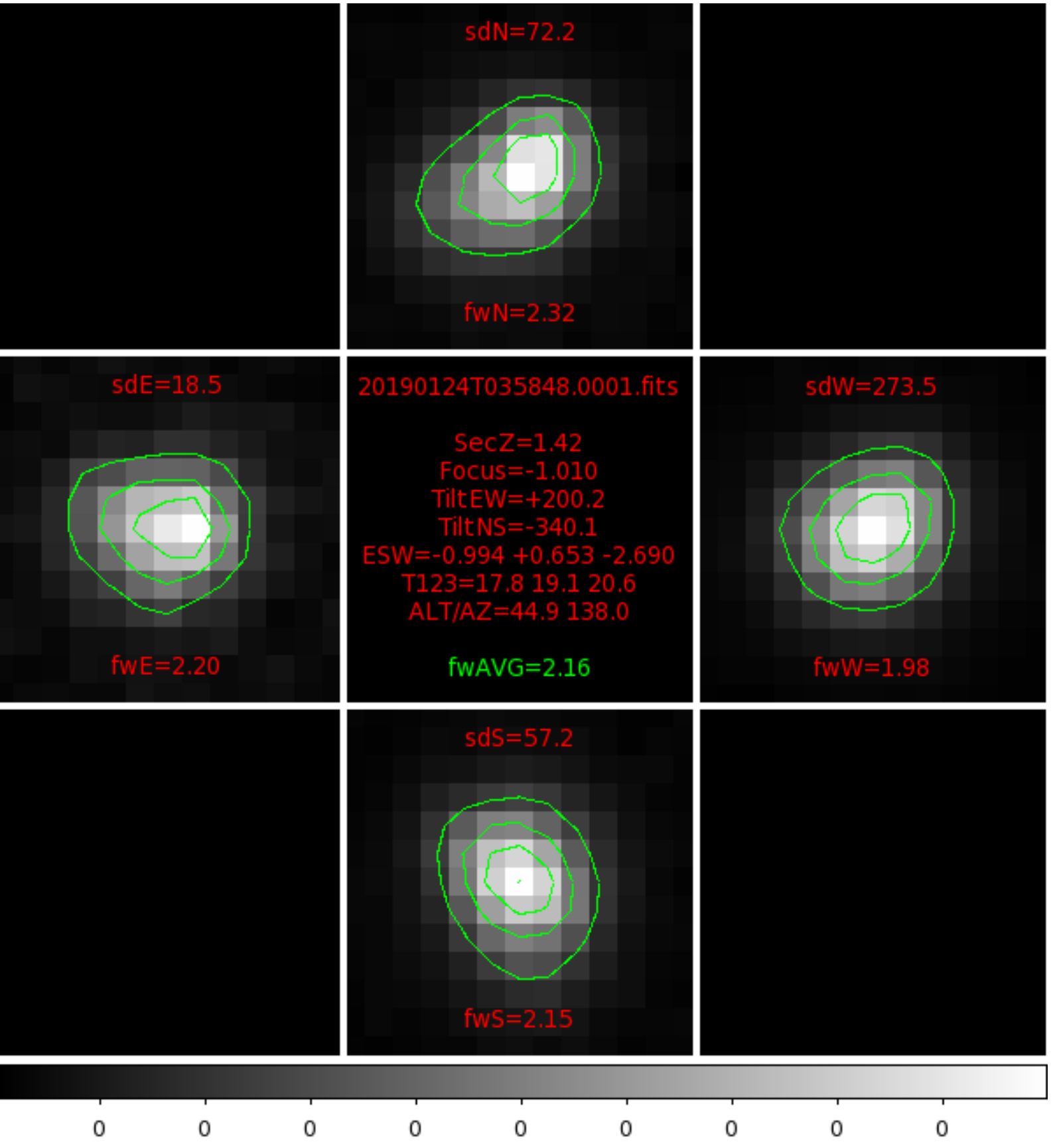
sdN=72.2
fwN=2.32
sdE=18.5
fwE=2.20
20190124T035848.0001.fits
SecZ=1.42
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.8 19.1 20.6
ALT/AZ=44.9 138.0
fwAVG=2.16
sdW=273.5
fwW=1.98
sdS=57.2
fwS=2.15
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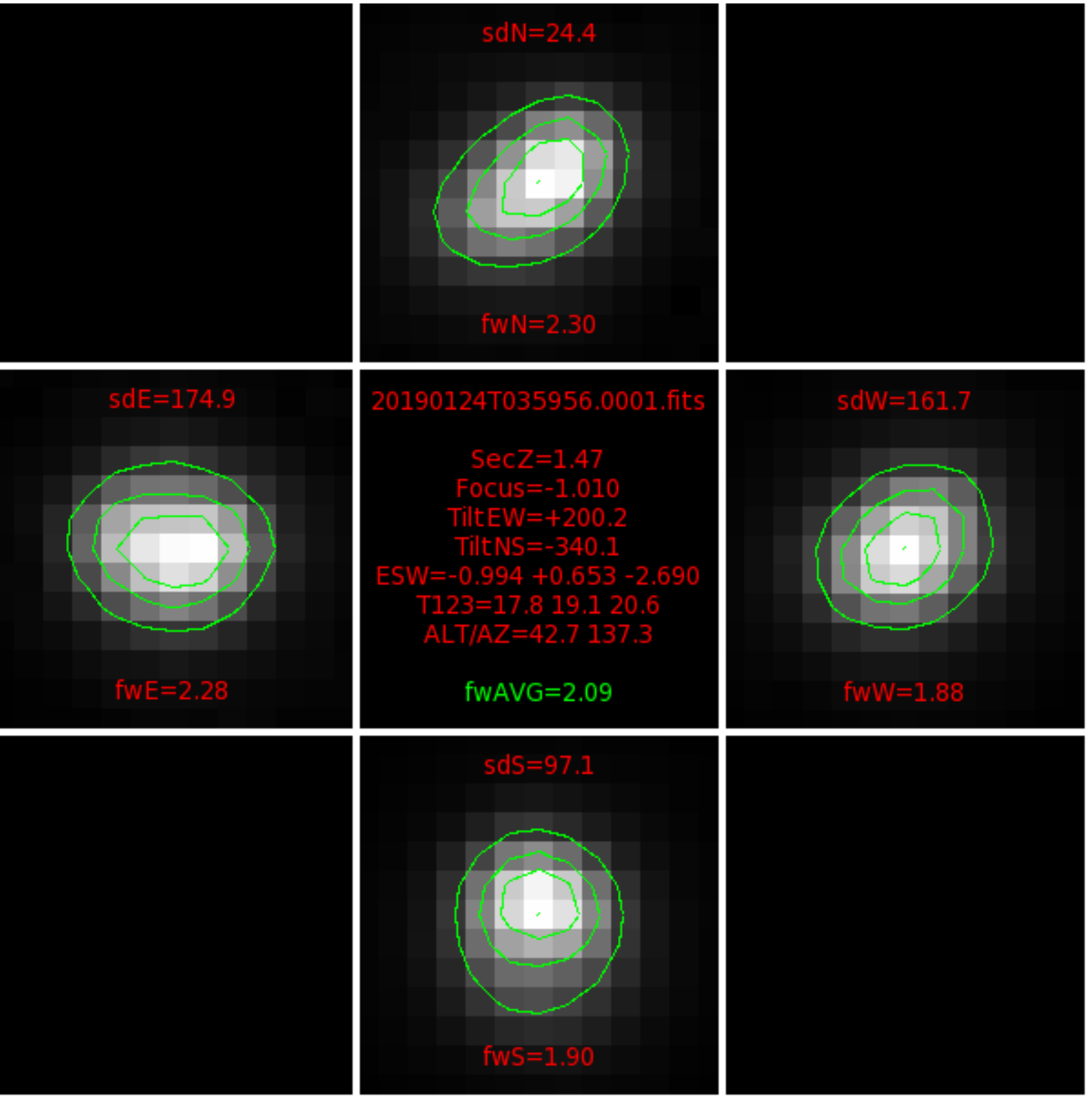
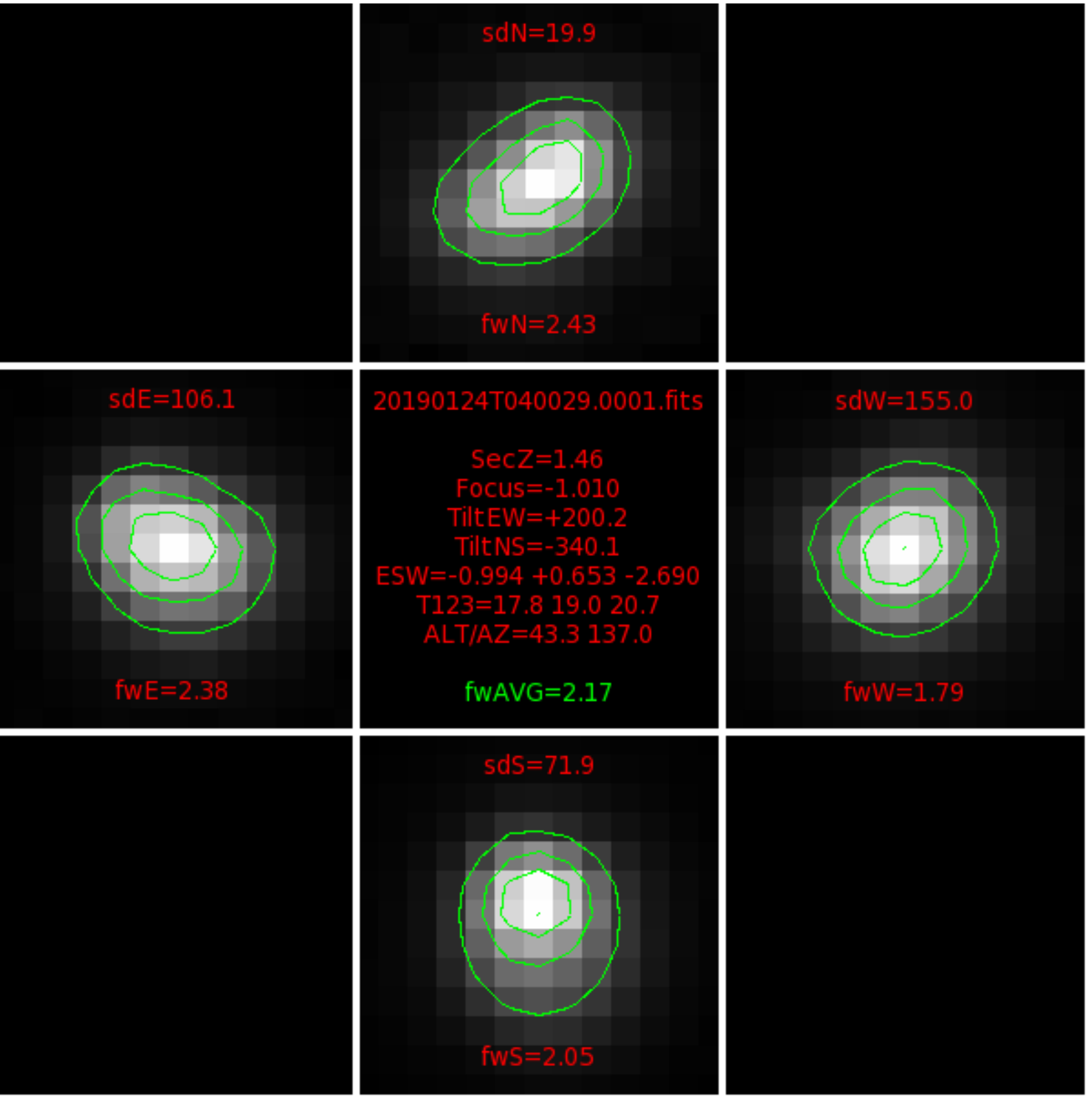
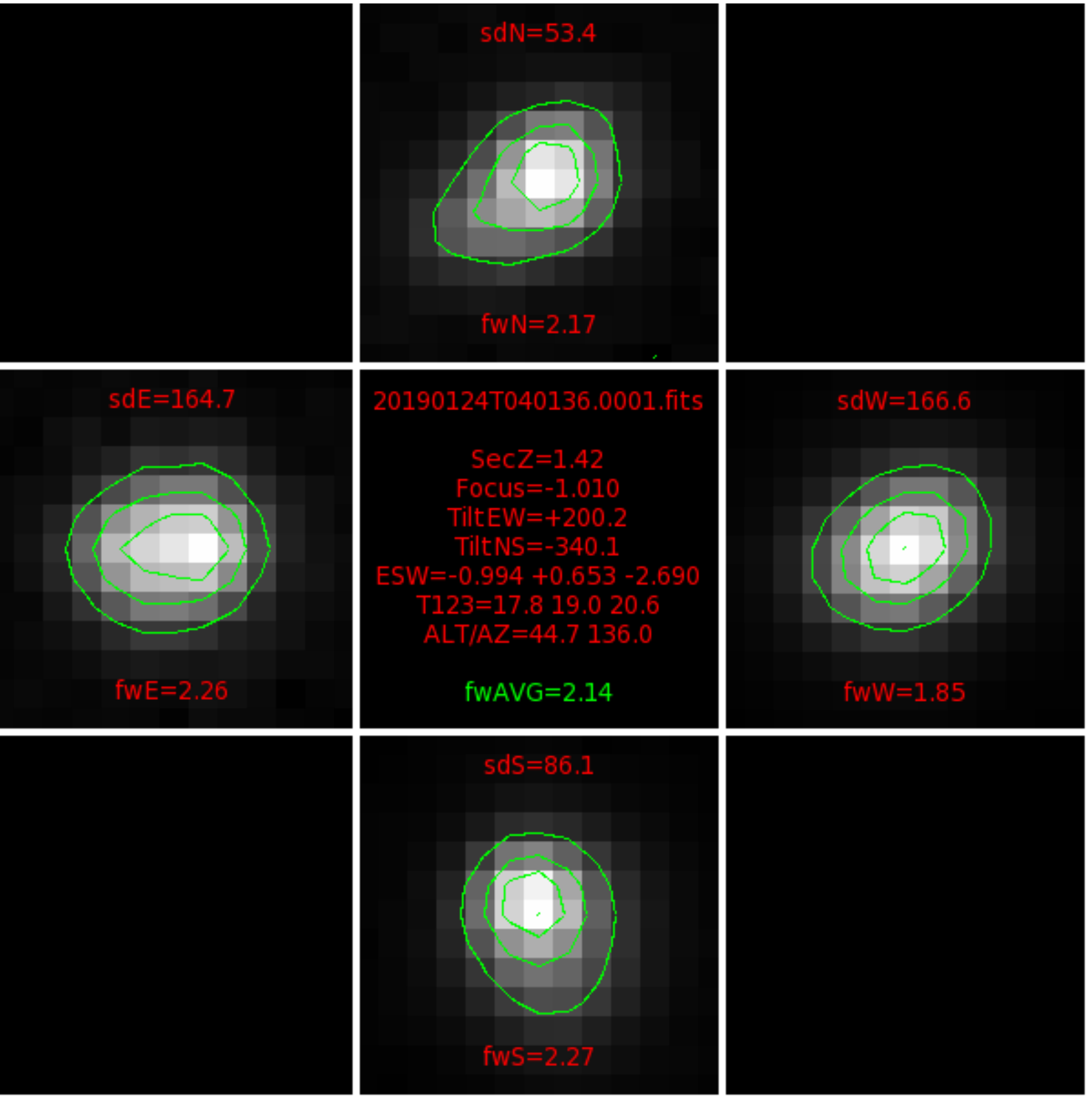

sdN=24.4
fwN=2.30
sdE=174.9
fwE=2.28
20190124T035956.0001.fits
SecZ=1.47
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.8 19.1 20.6
ALT/AZ=42.7 137.3
fwAVG=2.09
sdW=161.7
fwW=1.88
sdS=97.1
fwS=1.90
0 0 0 0 0 0 0 0 0


sdN=19.9
fwN=2.43
sdE=106.1
fwE=2.38
20190124T040029.0001.fits
SecZ=1.46
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.8 19.0 20.7
ALT/AZ=43.3 137.0
fwAVG=2.17
sdW=155.0
fwW=1.79
sdS=71.9
fwS=2.05
0 0 0 0 0 0 0 0 0


sdN=53.4
fwN=2.17
sdE=164.7
fwE=2.26
20190124T040136.0001.fits
SecZ=1.42
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.8 19.0 20.6
ALT/AZ=44.7 136.0
fwAVG=2.14
sdW=166.6
fwW=1.85
sdS=86.1
fwS=2.27
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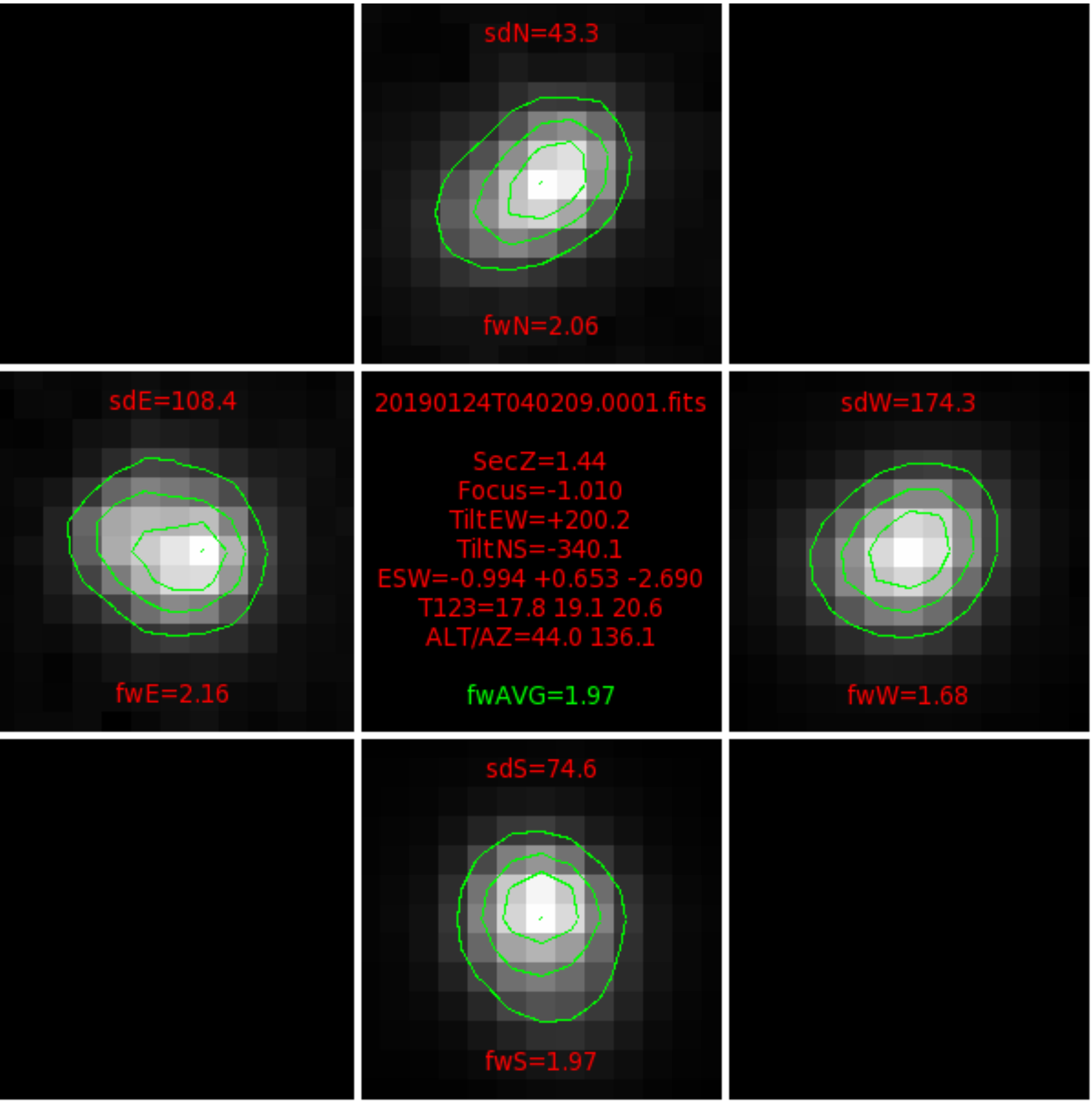
sdN=43.3
fwN=2.06
sdE=108.4
fwE=2.16
20190124T040209.0001.fits
SecZ=1.44
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.8 19.1 20.6
ALT/AZ=44.0 136.1
fwAVG=1.97
sdW=174.3
fwW=1.68
sdS=74.6
fwS=1.97
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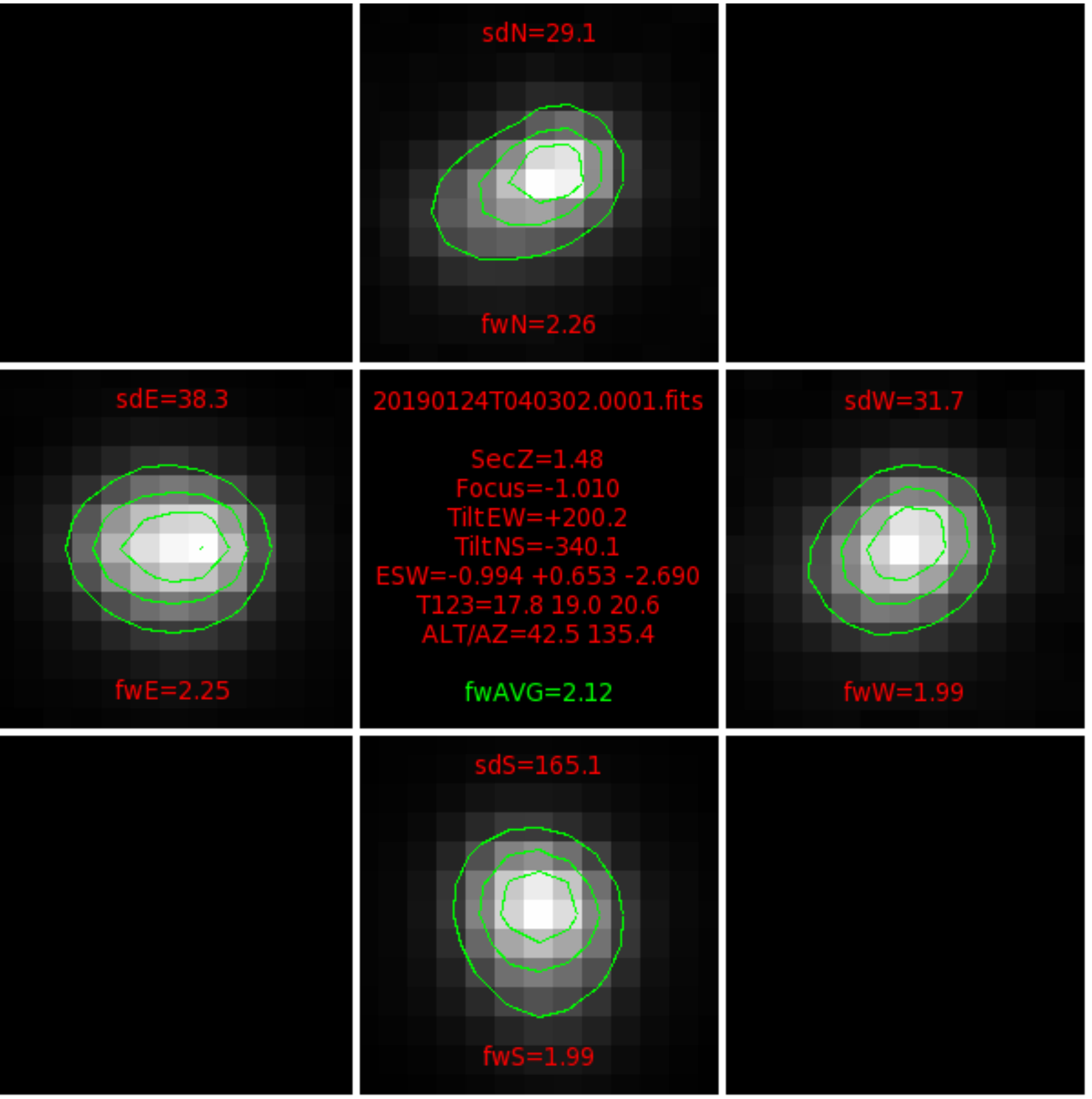
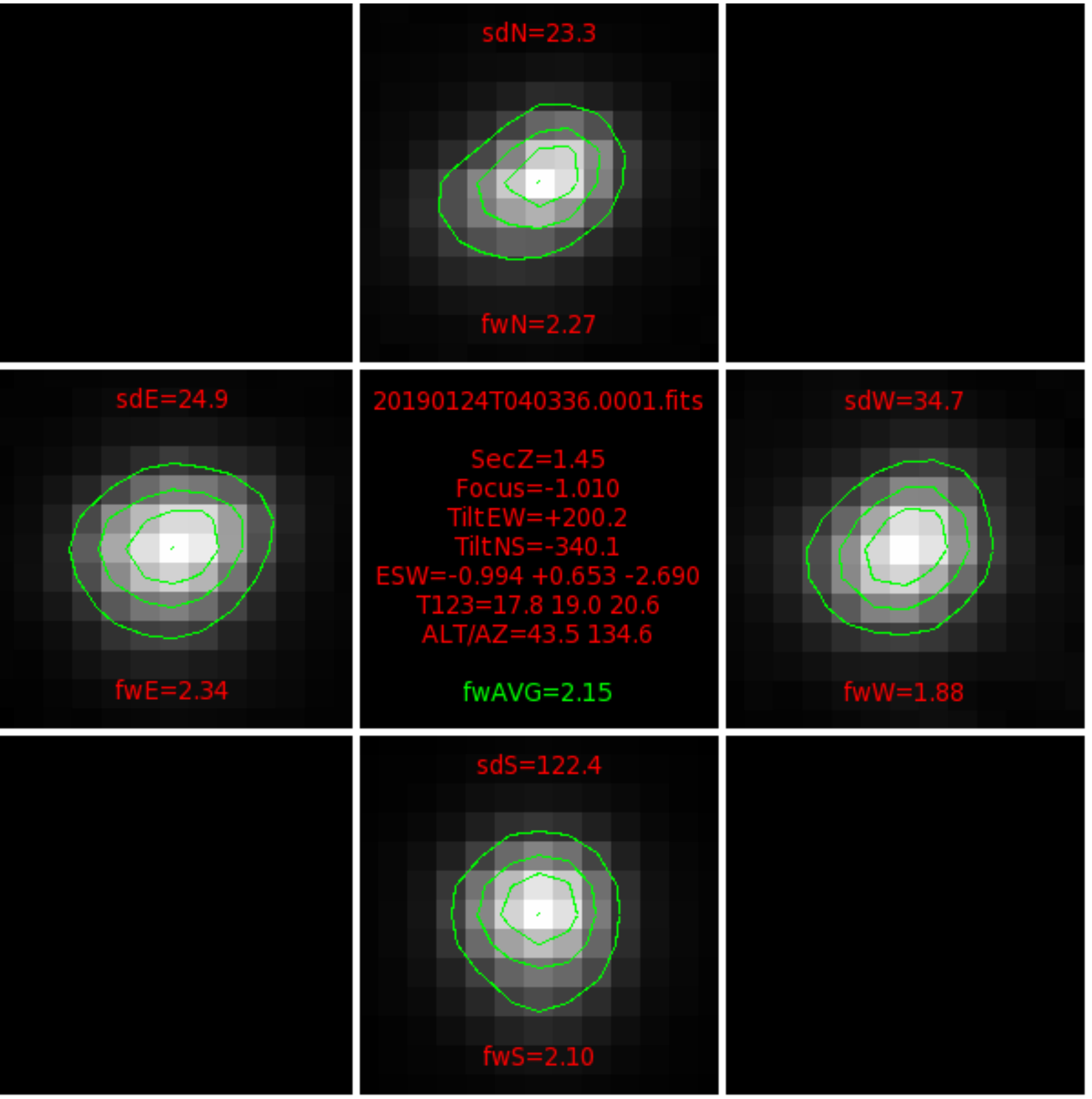
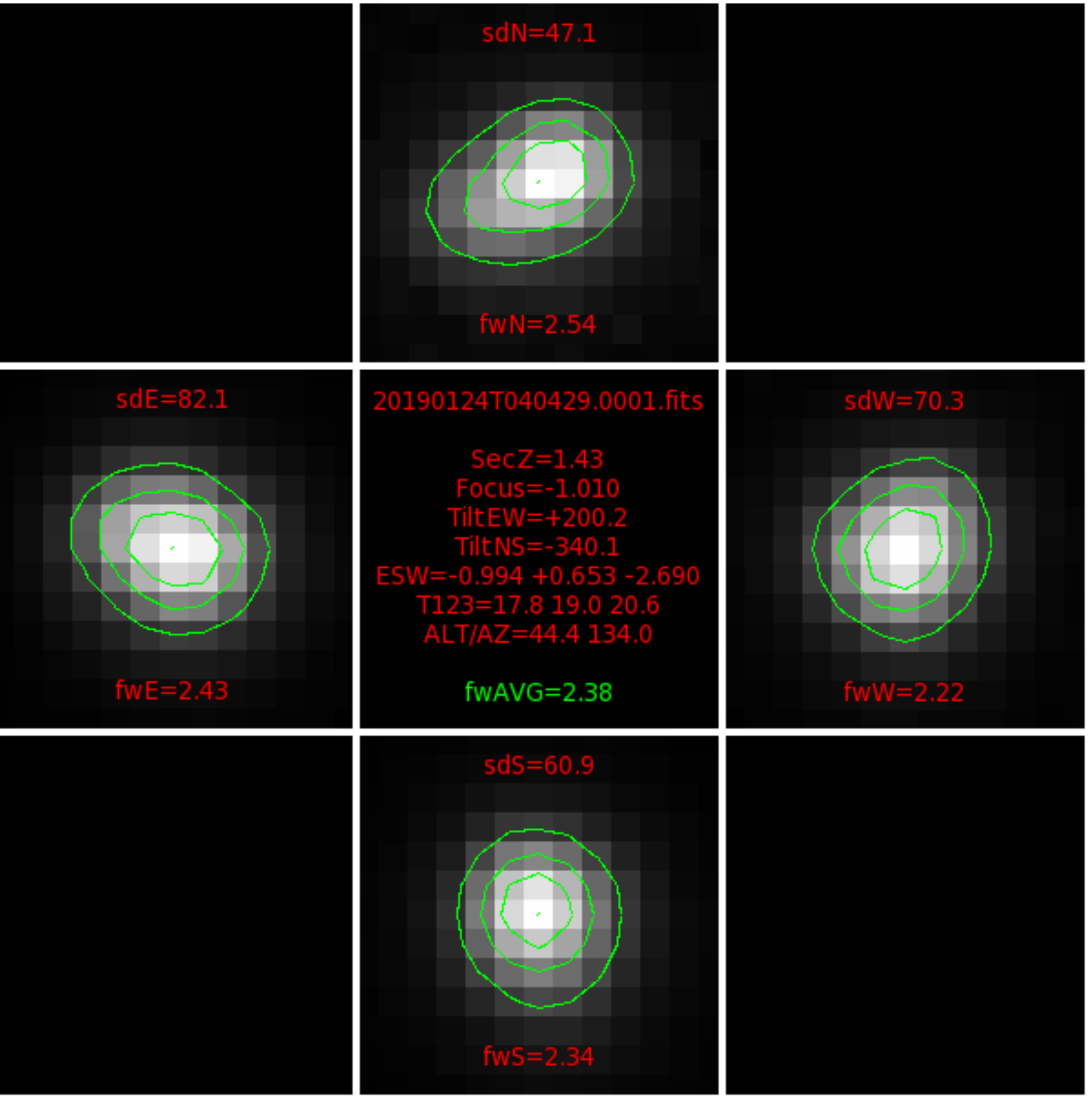
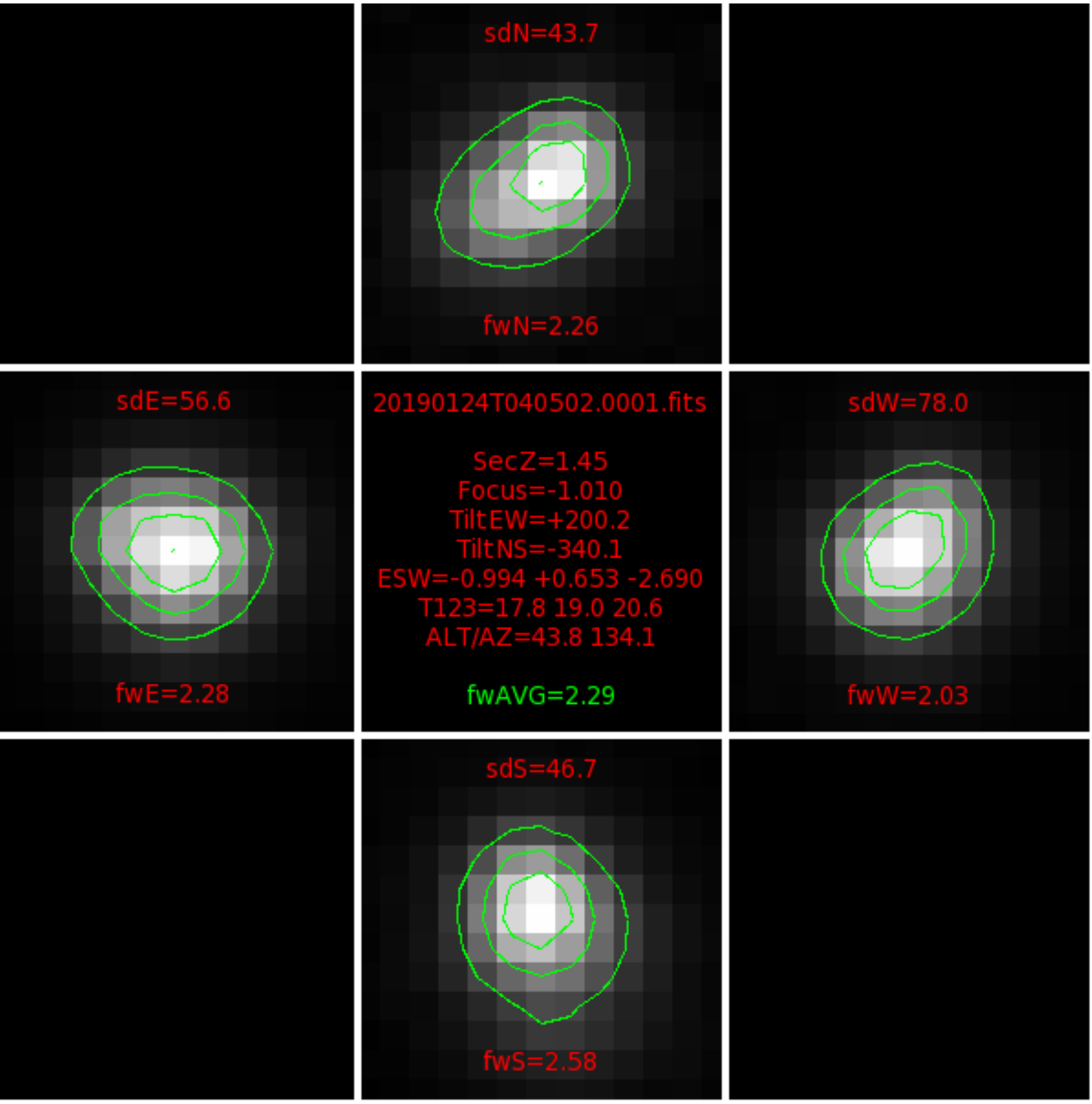

sdN=29.1
fwN=2.26
sdE=38.3
fwE=2.25
20190124T040302.0001.fits
SecZ=1.48
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.8 19.0 20.6
ALT/AZ=42.5 135.4
fwAVG=2.12
sdW=31.7
fwW=1.99
sdS=165.1
fwS=1.99
0 0 0 0 0 0 0 0 0


sdN=23.3
fwN=2.27
sdE=24.9
fwE=2.34
20190124T040336.0001.fits
SecZ=1.45
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.8 19.0 20.6
ALT/AZ=43.5 134.6
fwAVG=2.15
sdW=34.7
fwW=1.88
sdS=122.4
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=47.1
fwN=2.54
sdE=82.1
fwE=2.43
20190124T040429.0001.fits
SecZ=1.43
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.8 19.0 20.6
ALT/AZ=44.4 134.0
fwAVG=2.38
sdW=70.3
fwW=2.22
sdS=60.9
fwS=2.34
0 0 0 0 0 0 0 0 0


sdN=43.7
fwN=2.26
sdE=56.6
fwE=2.28
20190124T040502.0001.fits
SecZ=1.45
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.8 19.0 20.6
ALT/AZ=43.8 134.1
fwAVG=2.29
sdW=78.0
fwW=2.03
sdS=46.7
fwS=2.58
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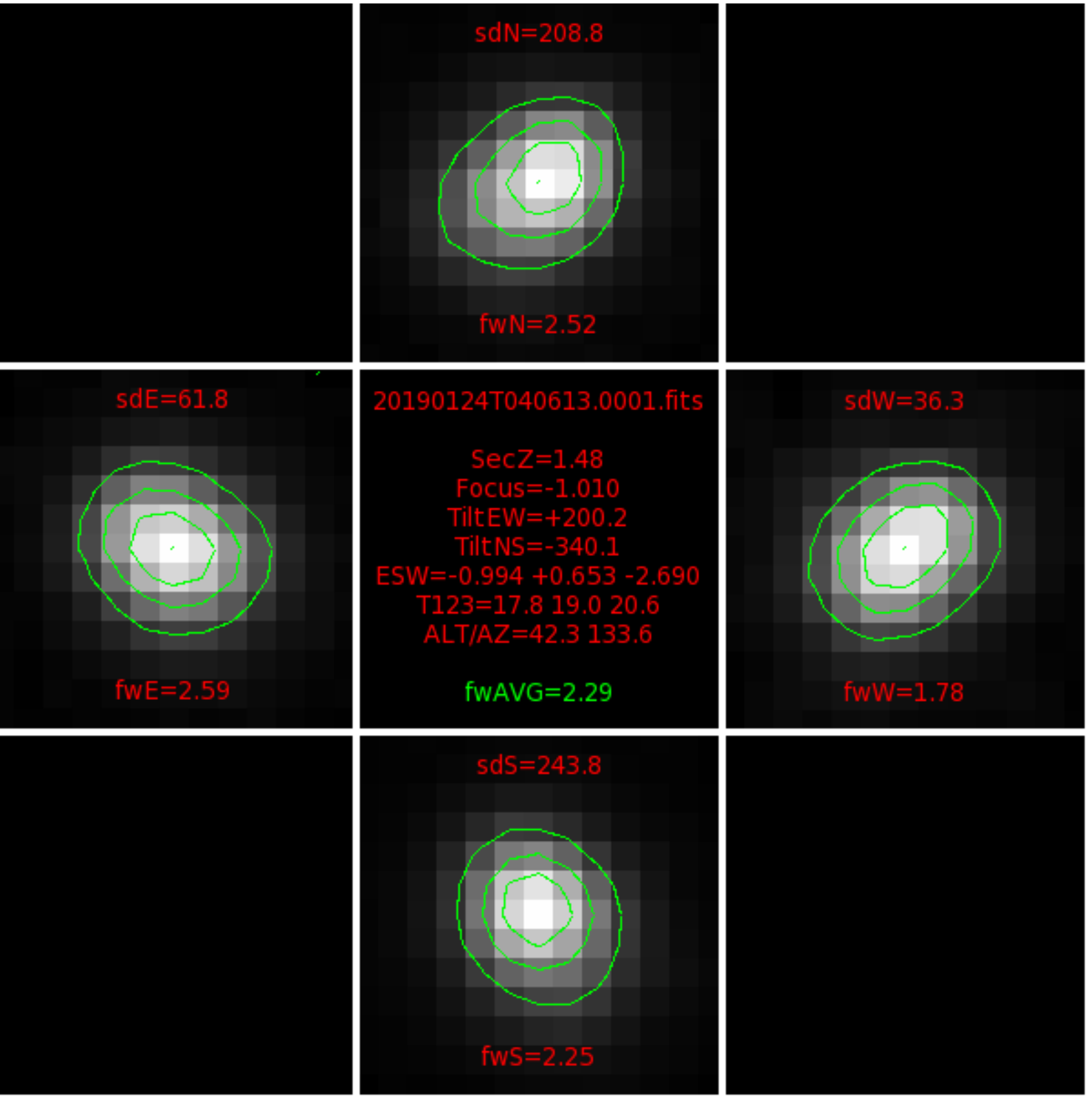
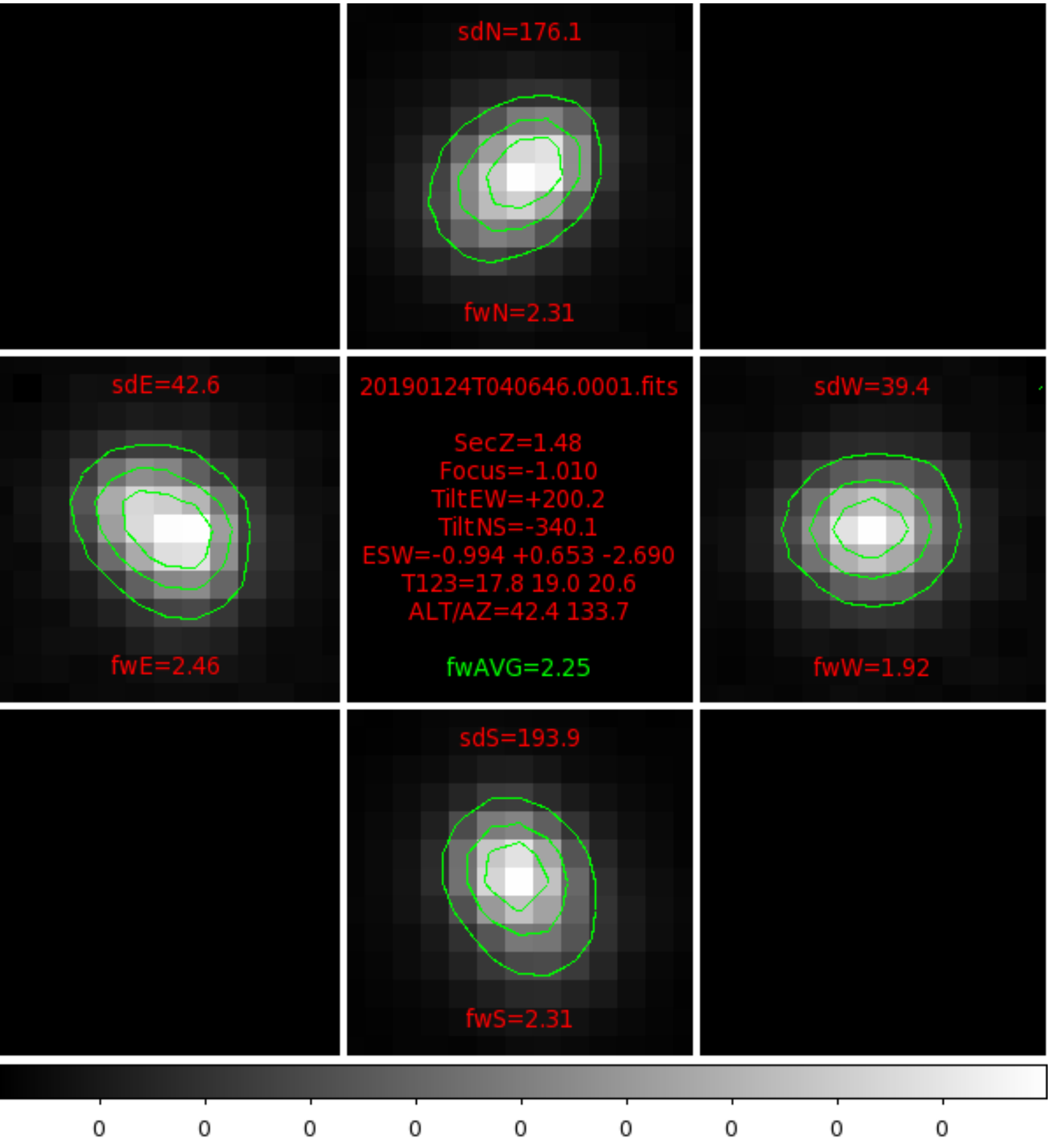

sdN=208.8
fwN=2.52
sdE=61.8
fwE=2.59
20190124T040613.0001.fits
SecZ=1.48
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.8 19.0 20.6
ALT/AZ=42.3 133.6
fwAVG=2.29
sdW=36.3
fwW=1.78
sdS=243.8
fwS=2.25
0 0 0 0 0 0 0 0 0


sdN=176.1
fwN=2.31
sdE=42.6
fwE=2.46
20190124T040646.0001.fits
SecZ=1.48
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.8 19.0 20.6
ALT/AZ=42.4 133.7
fwAVG=2.25
sdW=39.4
fwW=1.92
sdS=193.9
fwS=2.31
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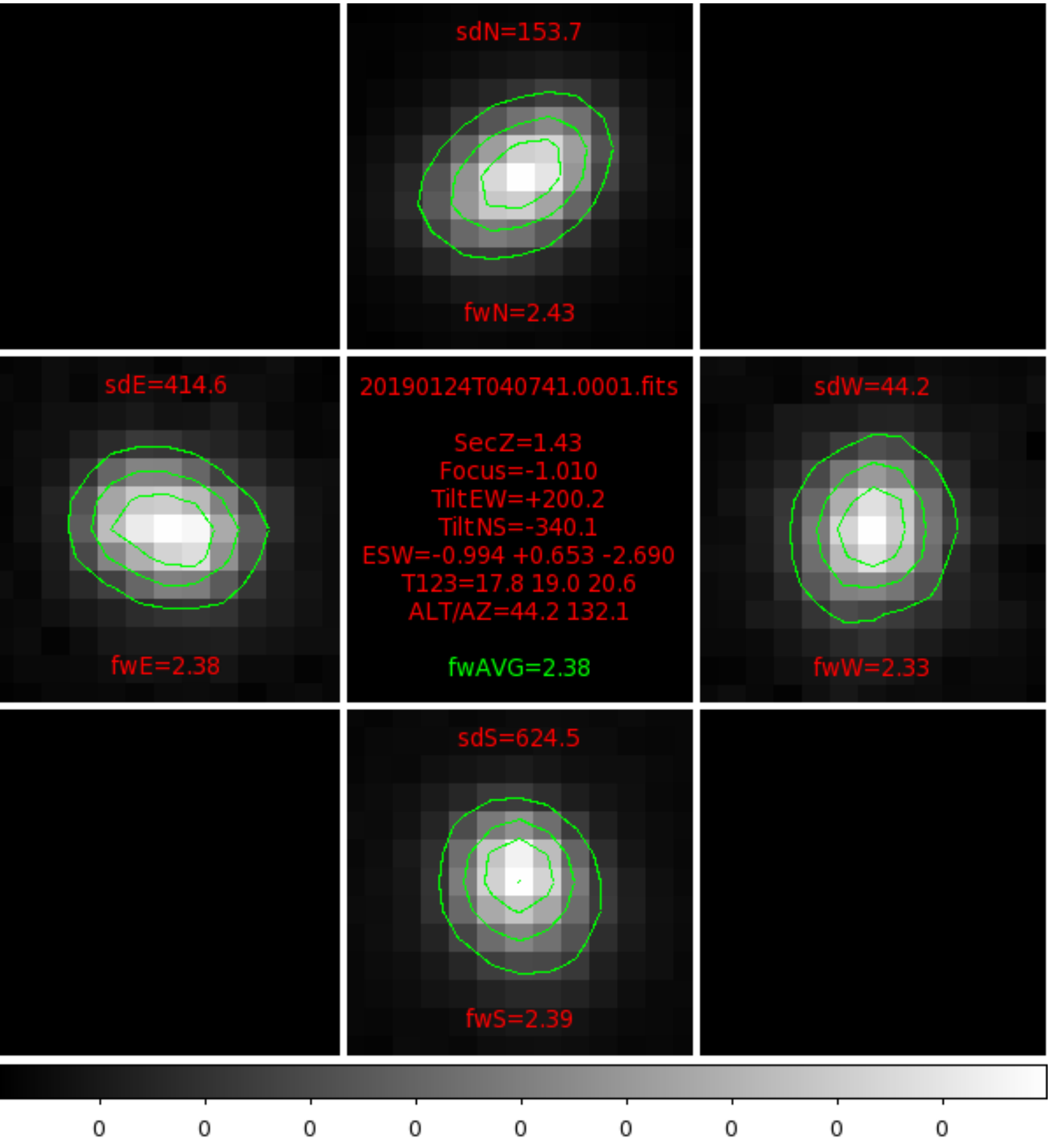
sdN=153.7
fwN=2.43
sdE=414.6
fwE=2.38
20190124T040741.0001.fits
SecZ=1.43
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.8 19.0 20.6
ALT/AZ=44.2 132.1
fwAVG=2.38
sdW=44.2
fwW=2.33
sdS=624.5
fwS=2.39
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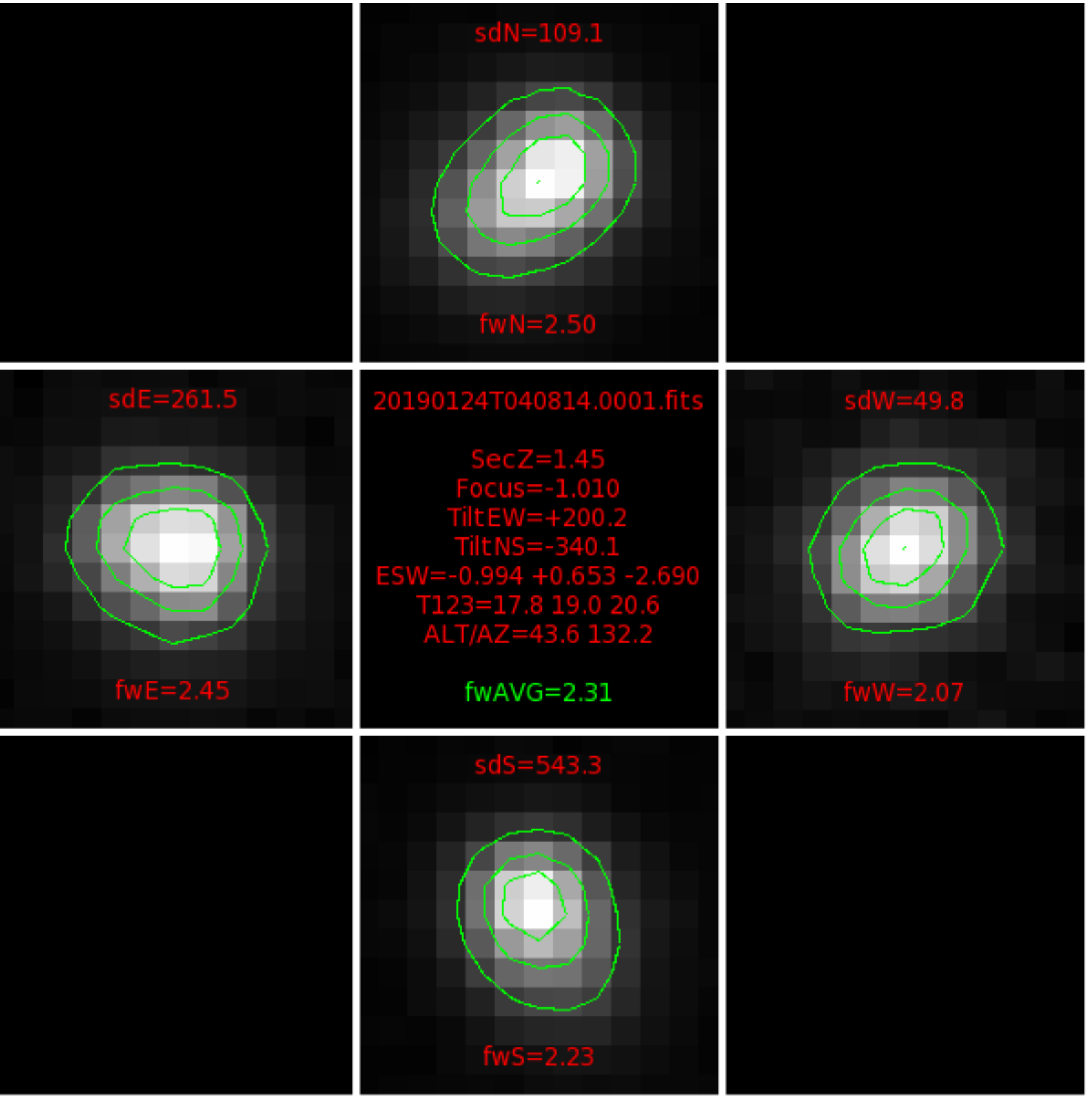
sdN=109.1
fwN=2.50
sdE=261.5
fwE=2.45
20190124T040814.0001.fits
SecZ=1.45
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.8 19.0 20.6
ALT/AZ=43.6 132.2
fwAVG=2.31
sdW=49.8
fwW=2.07
sdS=543.3
fwS=2.23
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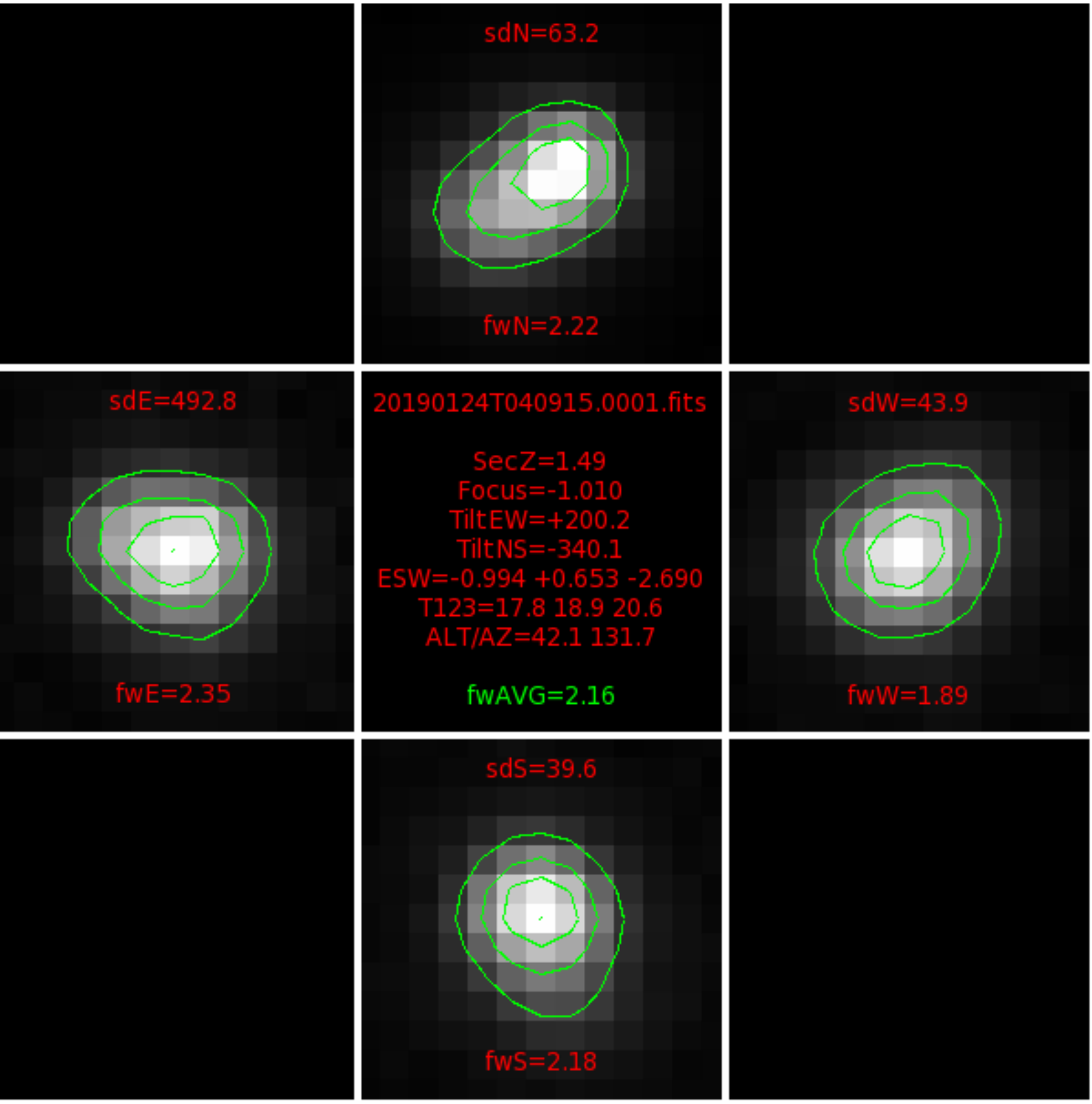
sdN=63.2
fwN=2.22
sdE=492.8
fwE=2.35
20190124T040915.0001.fits
SecZ=1.49
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.8 18.9 20.6
ALT/AZ=42.1 131.7
fwAVG=2.16
sdW=43.9
fwW=1.89
sdS=39.6
fwS=2.18
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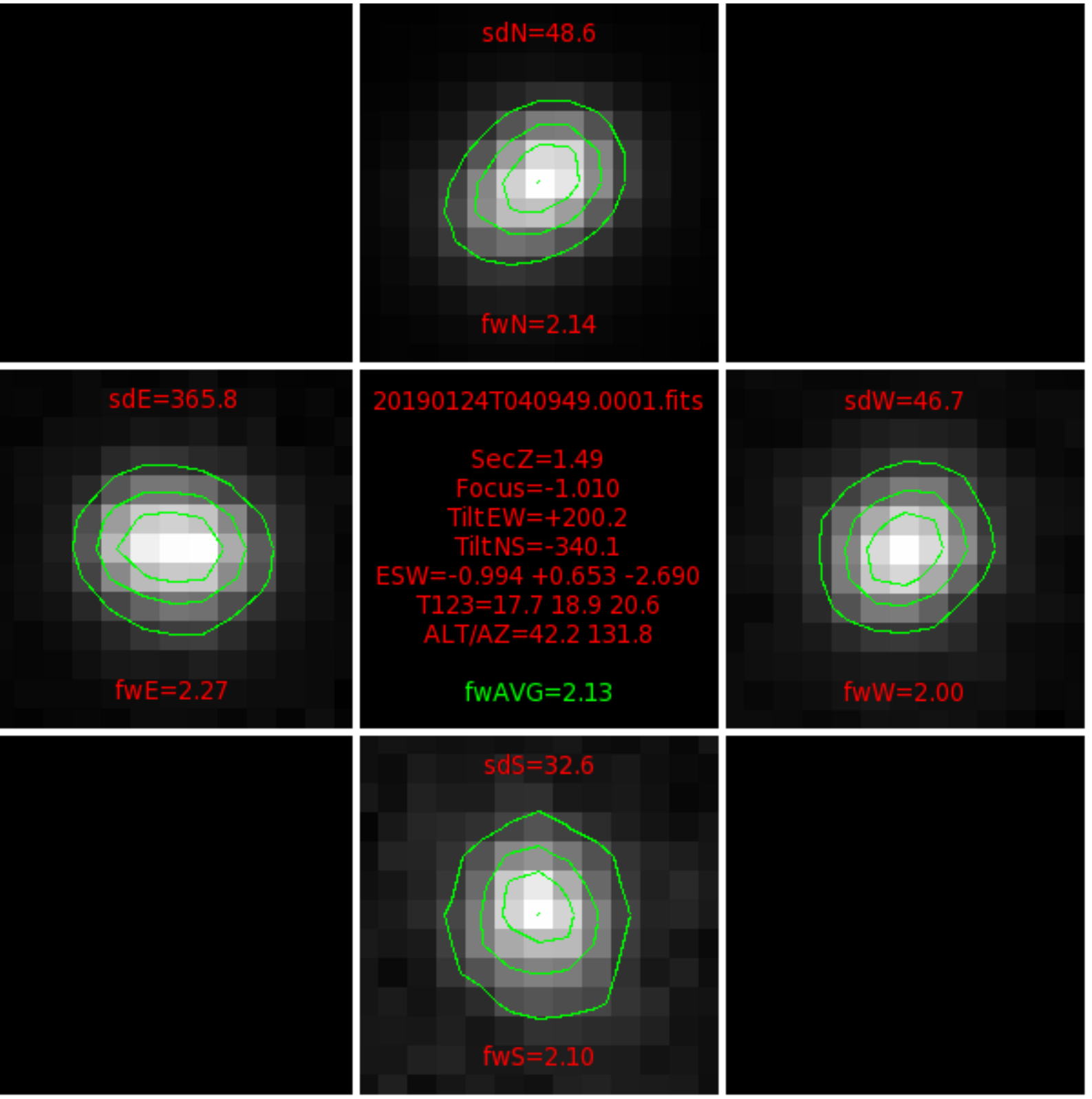
sdN=48.6
fwN=2.14
sdE=365.8
fwE=2.27
20190124T040949.0001.fits
SecZ=1.49
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.7 18.9 20.6
ALT/AZ=42.2 131.8
fwAVG=2.13
sdW=46.7
fwW=2.00
sdS=32.6
fwS=2.10
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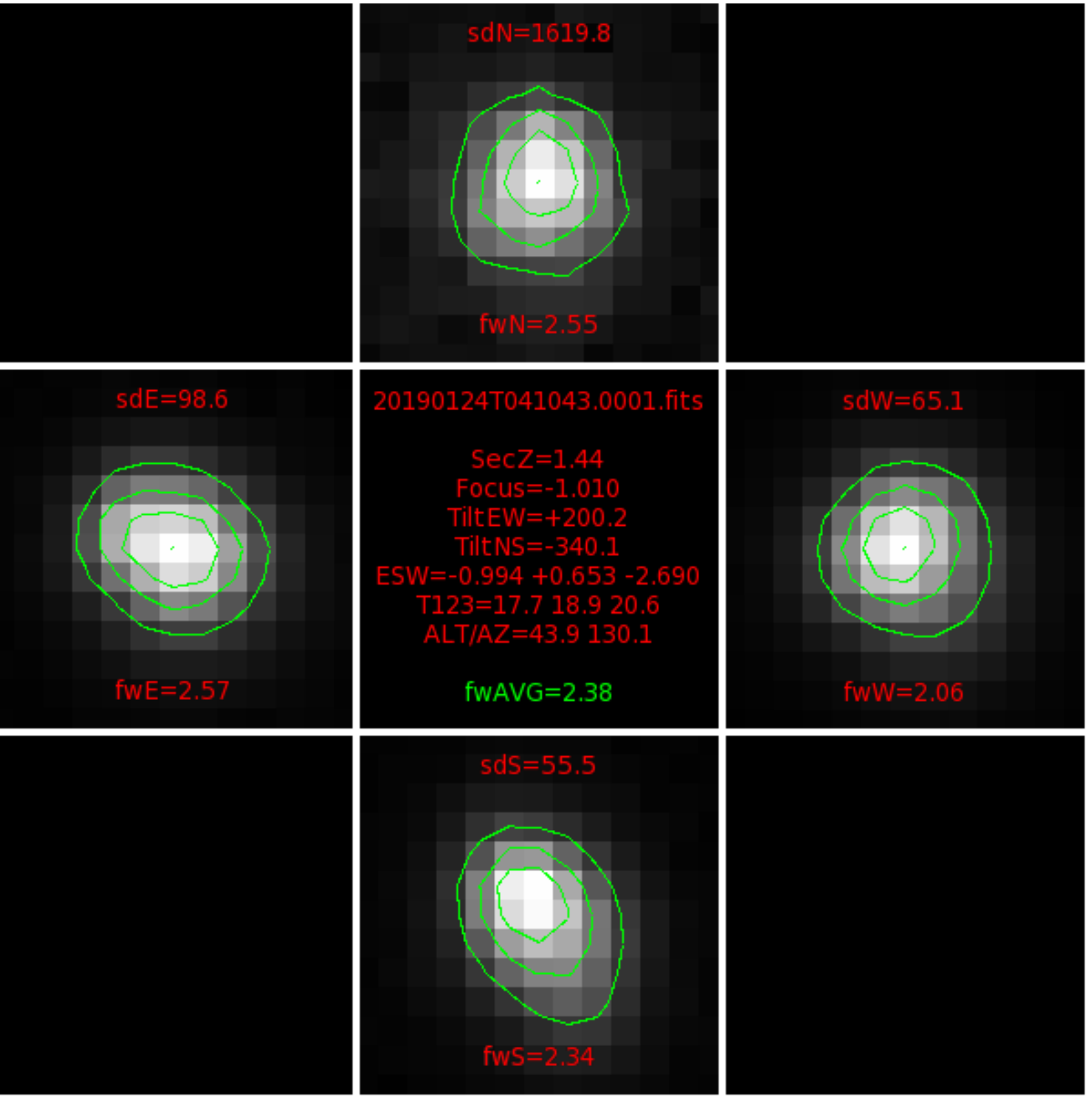
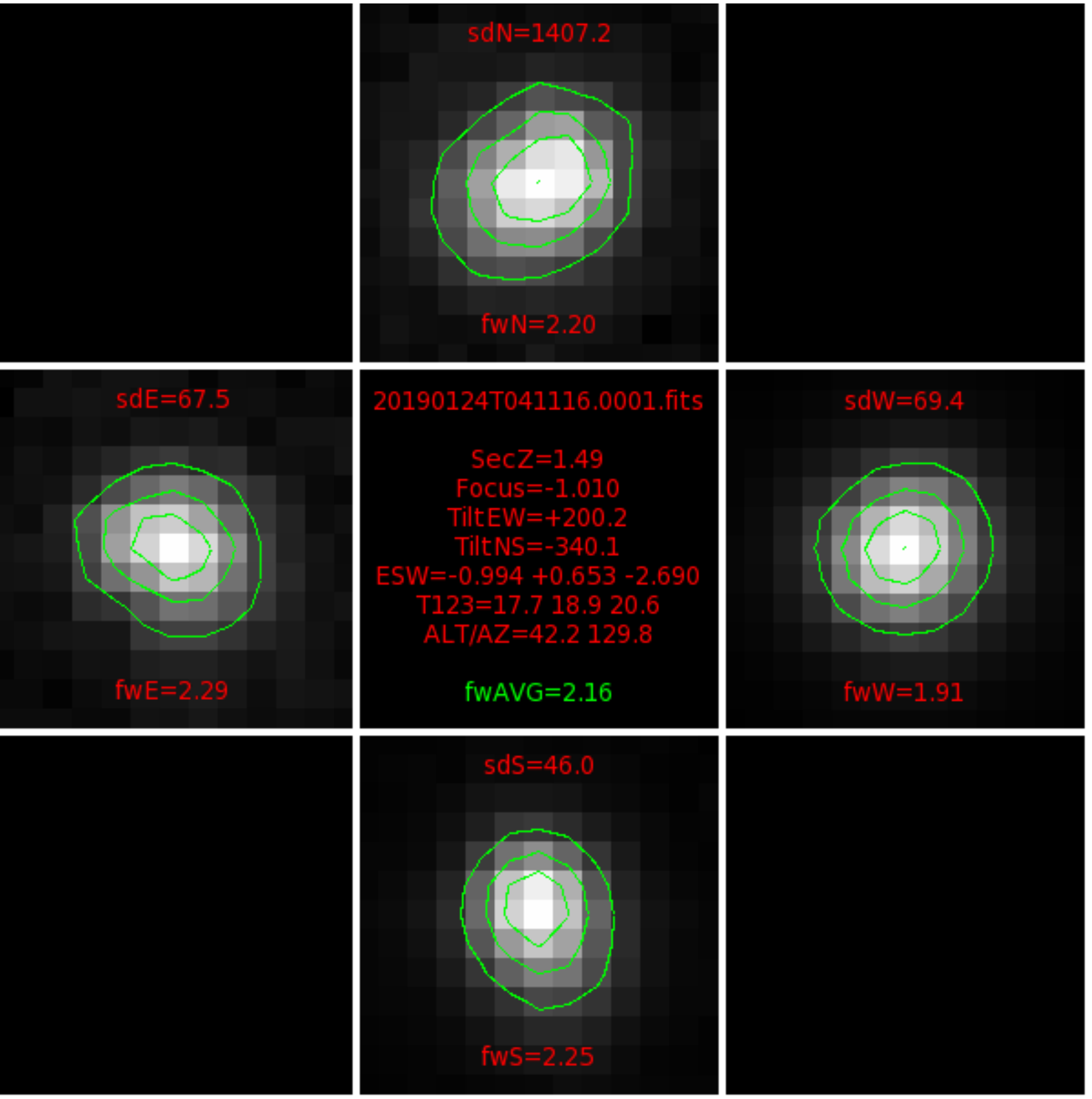
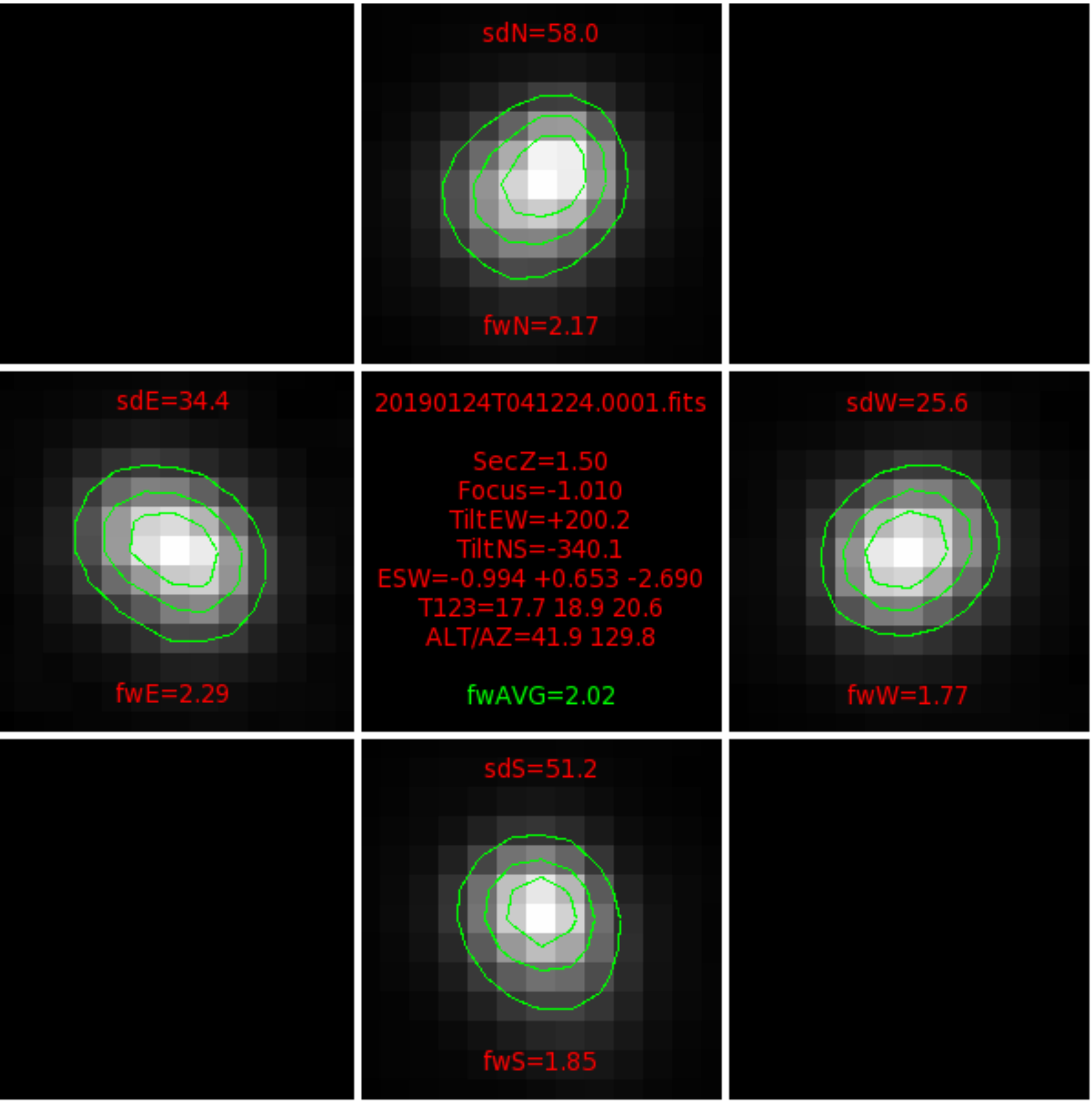
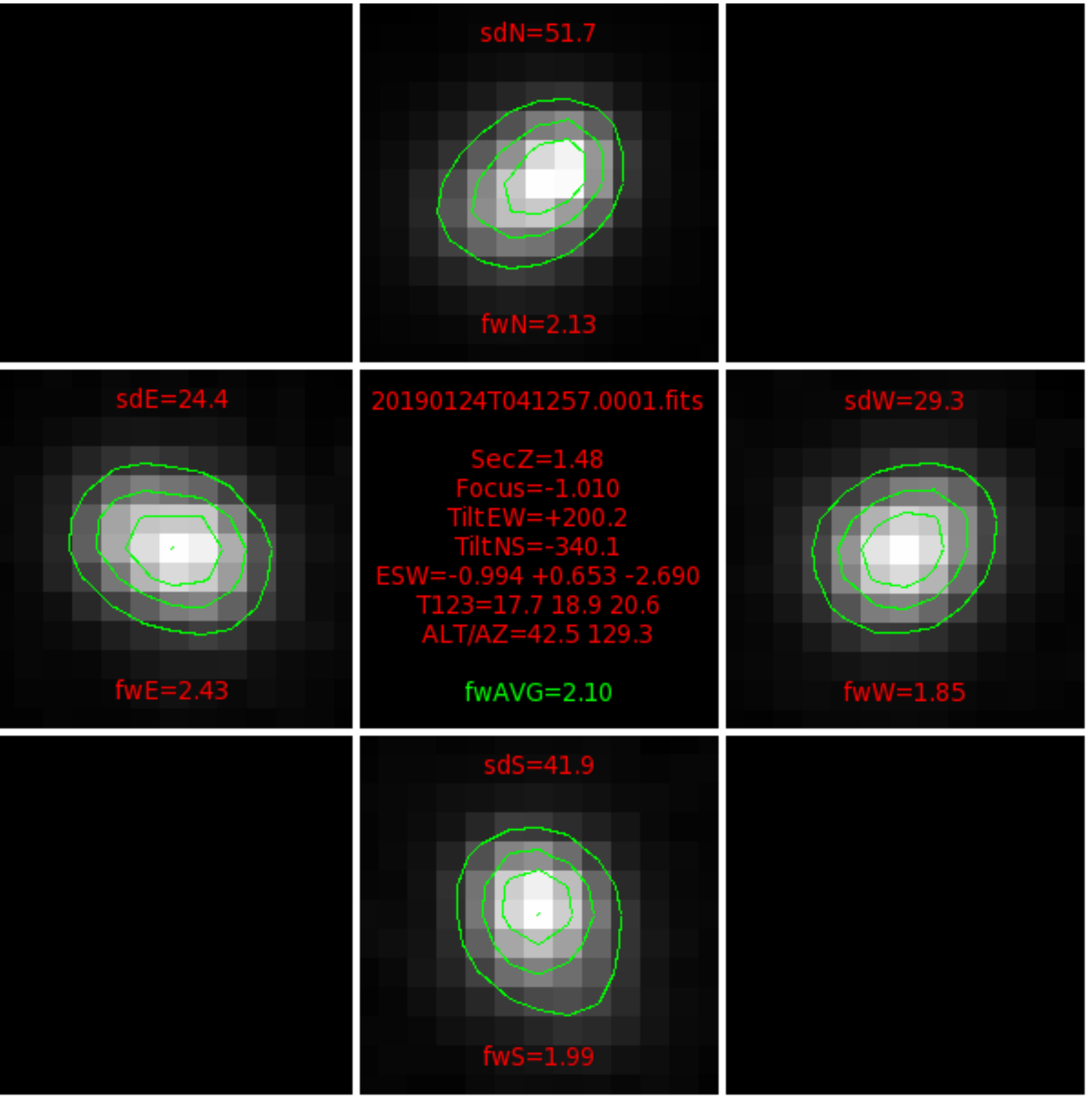

sdN=1619.8
fwN=2.55
sdE=98.6
fwE=2.57
20190124T041043.0001.fits
SecZ=1.44
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.7 18.9 20.6
ALT/AZ=43.9 130.1
fwAVG=2.38
sdW=65.1
fwW=2.06
sdS=55.5
fwS=2.34
0 0 0 0 0 0 0 0 0


sdN=1407.2
fwN=2.20
sdE=67.5
fwE=2.29
20190124T041116.0001.fits
SecZ=1.49
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.7 18.9 20.6
ALT/AZ=42.2 129.8
fwAVG=2.16
sdW=69.4
fwW=1.91
sdS=46.0
fwS=2.25
0 0 0 0 0 0 0 0 0


sdN=58.0
fwN=2.17
sdE=34.4
fwE=2.29
20190124T041224.0001.fits
SecZ=1.50
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.7 18.9 20.6
ALT/AZ=41.9 129.8
fwAVG=2.02
sdW=25.6
fwW=1.77
sdS=51.2
fwS=1.85
0 0 0 0 0 0 0 0 0


sdN=51.7
fwN=2.13
sdE=24.4
fwE=2.43
20190124T041257.0001.fits
SecZ=1.48
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.7 18.9 20.6
ALT/AZ=42.5 129.3
fwAVG=2.10
sdW=29.3
fwW=1.85
sdS=41.9
fwS=1.99
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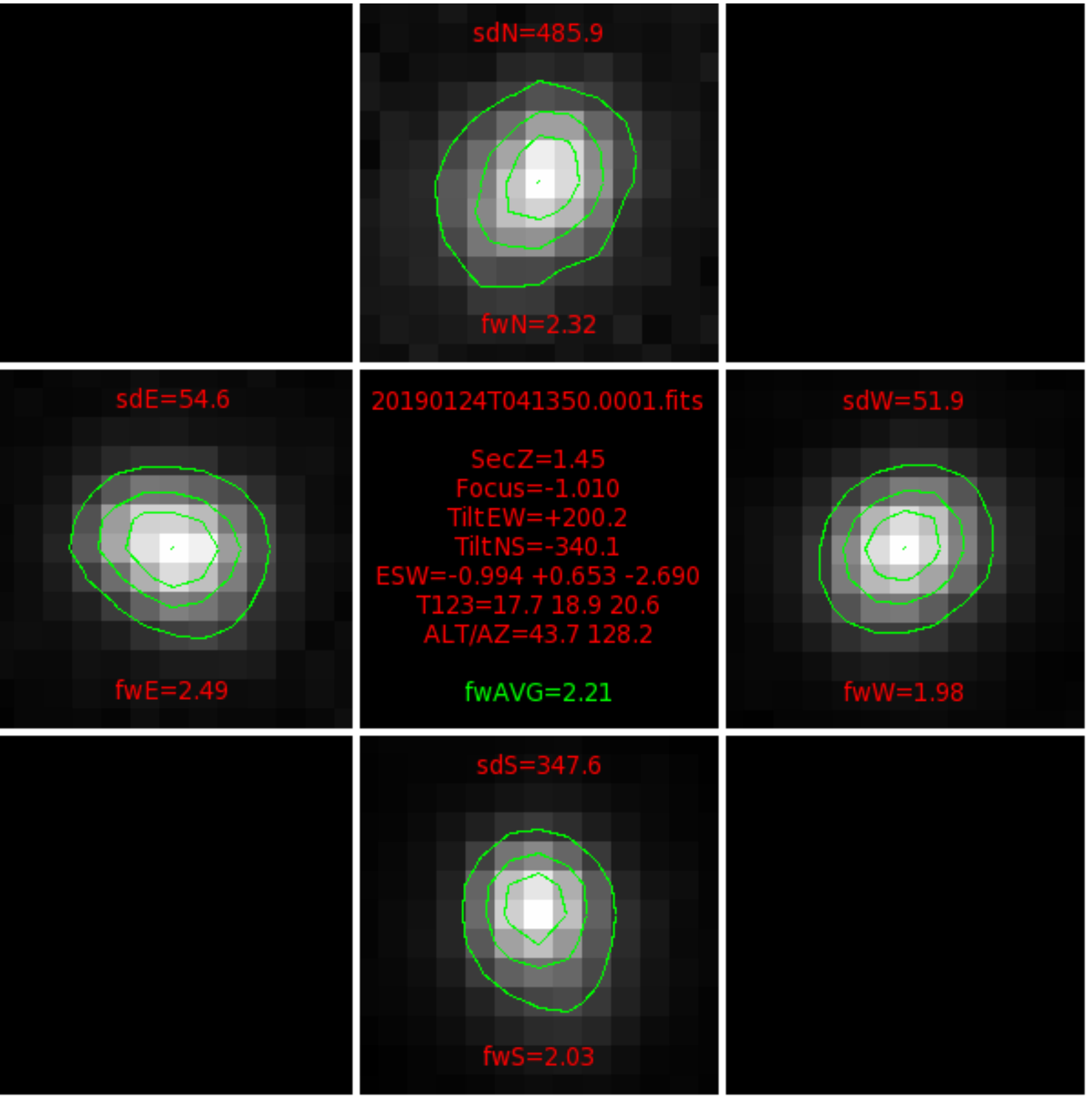
sdN=485.9
fwN=2.32
sdE=54.6
fwE=2.49
20190124T041350.0001.fits
SecZ=1.45
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.7 18.9 20.6
ALT/AZ=43.7 128.2
fwAVG=2.21
sdW=51.9
fwW=1.98
sdS=347.6
fwS=2.03
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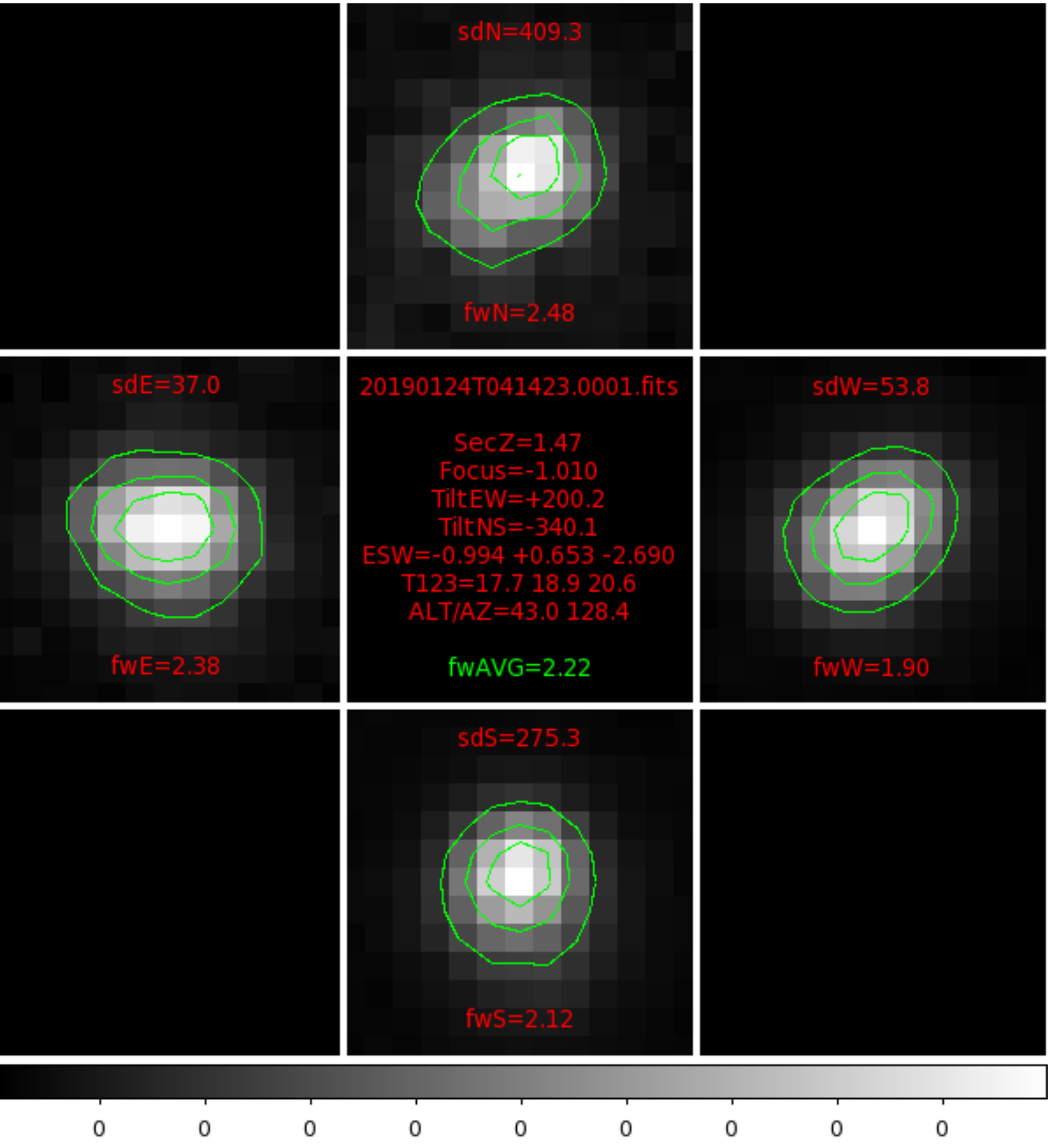
sdN=409.3
fwN=2.48
sdE=37.0
fwE=2.38
20190124T041423.0001.fits
SecZ=1.47
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.7 18.9 20.6
ALT/AZ=43.0 128.4
fwAVG=2.22
sdW=53.8
fwW=1.90
sdS=275.3
fwS=2.12
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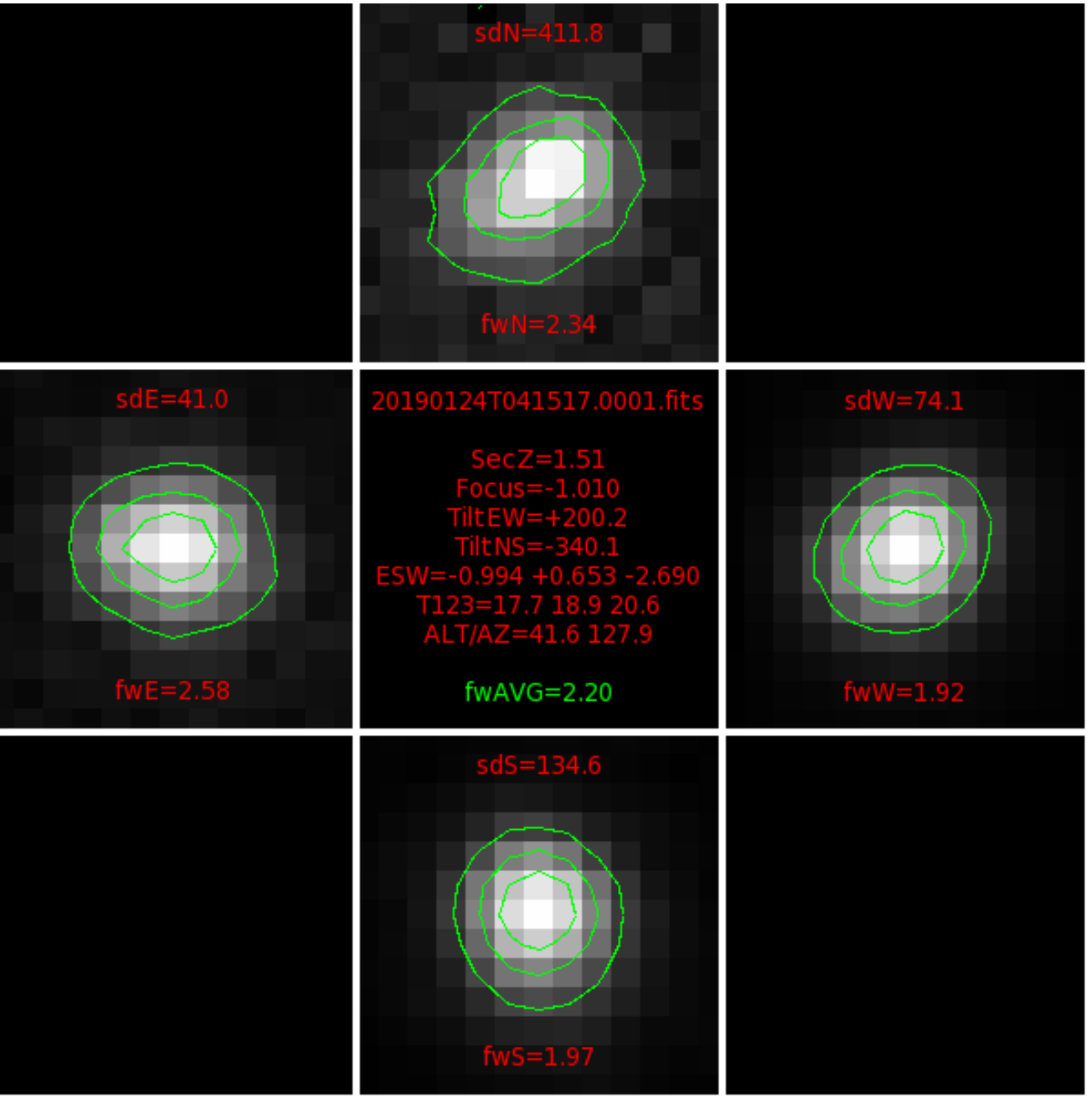
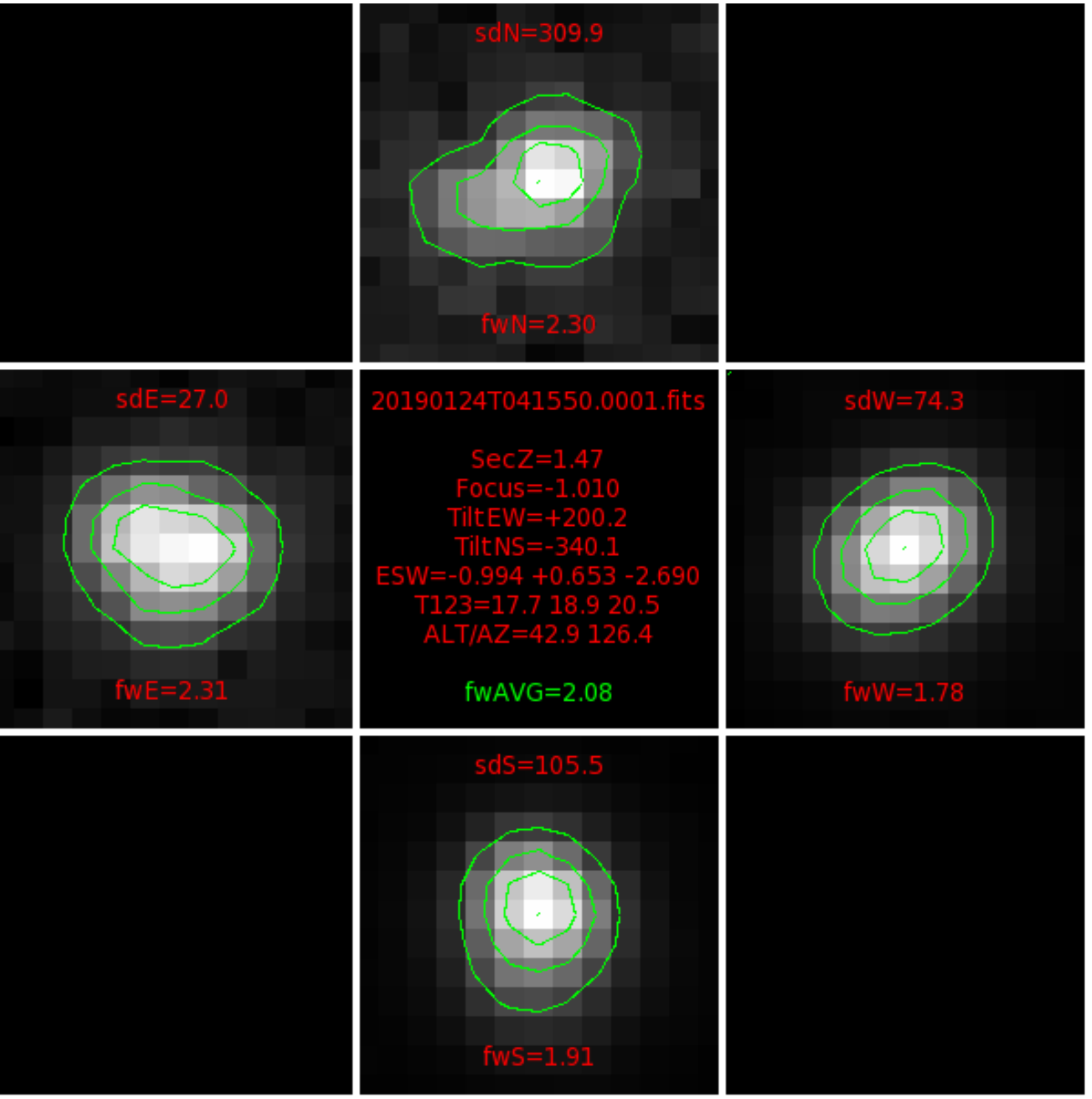

sdN=411.8
fwN=2.34
sdE=41.0
fwE=2.58
20190124T041517.0001.fits
SecZ=1.51
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.7 18.9 20.6
ALT/AZ=41.6 127.9
fwAVG=2.20
sdW=74.1
fwW=1.92
sdS=134.6
fwS=1.97
0 0 0 0 0 0 0 0 0


sdN=309.9
fwN=2.30
sdE=27.0
fwE=2.31
20190124T041550.0001.fits
SecZ=1.47
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.7 18.9 20.5
ALT/AZ=42.9 126.4
fwAVG=2.08
sdW=74.3
fwW=1.78
sdS=105.5
fwS=1.91
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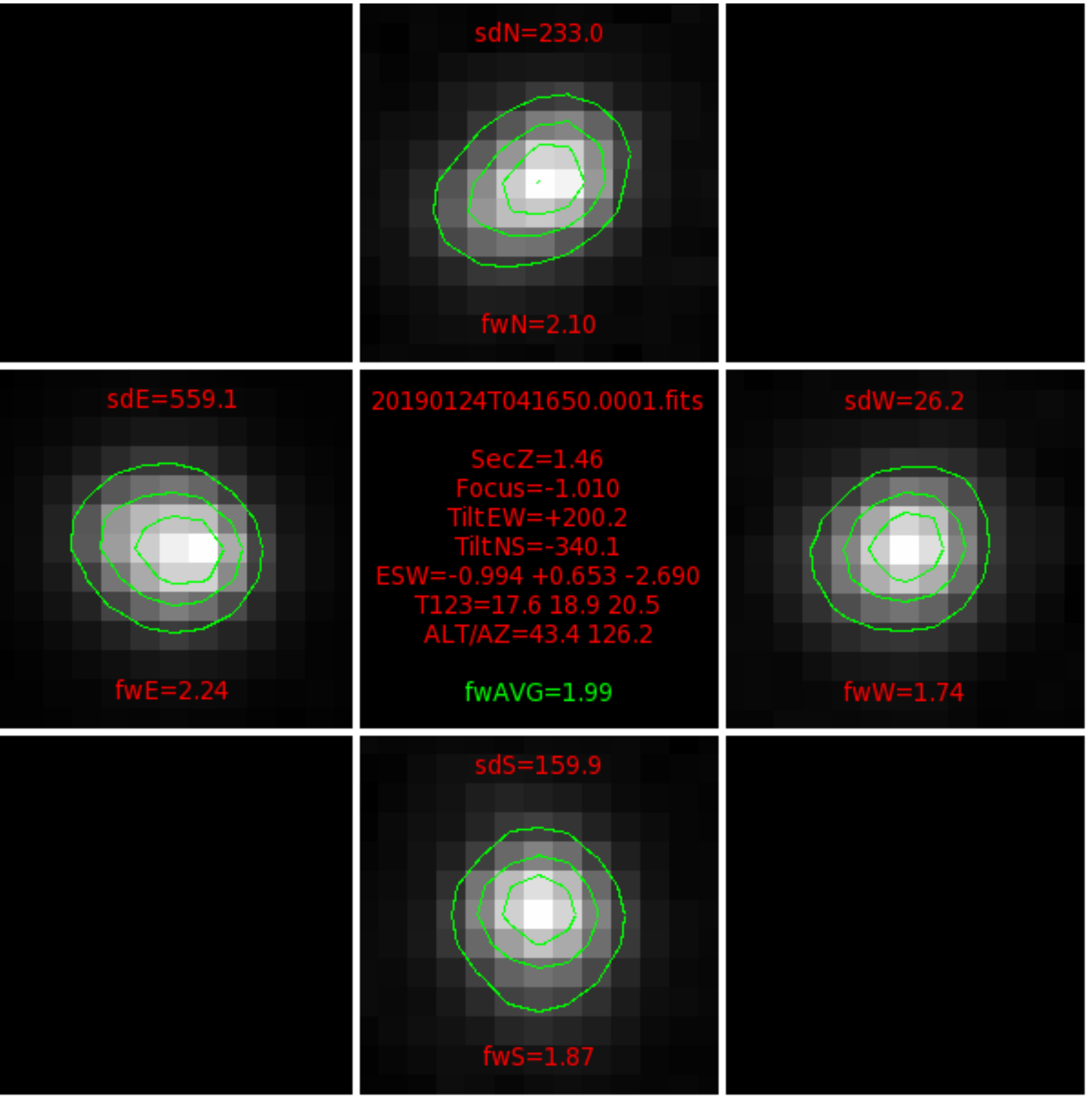
sdN=233.0
fwN=2.10
sdE=559.1
fwE=2.24
20190124T041650.0001.fits
SecZ=1.46
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.6 18.9 20.5
ALT/AZ=43.4 126.2
fwAVG=1.99
sdW=26.2
fwW=1.74
sdS=159.9
fwS=1.87
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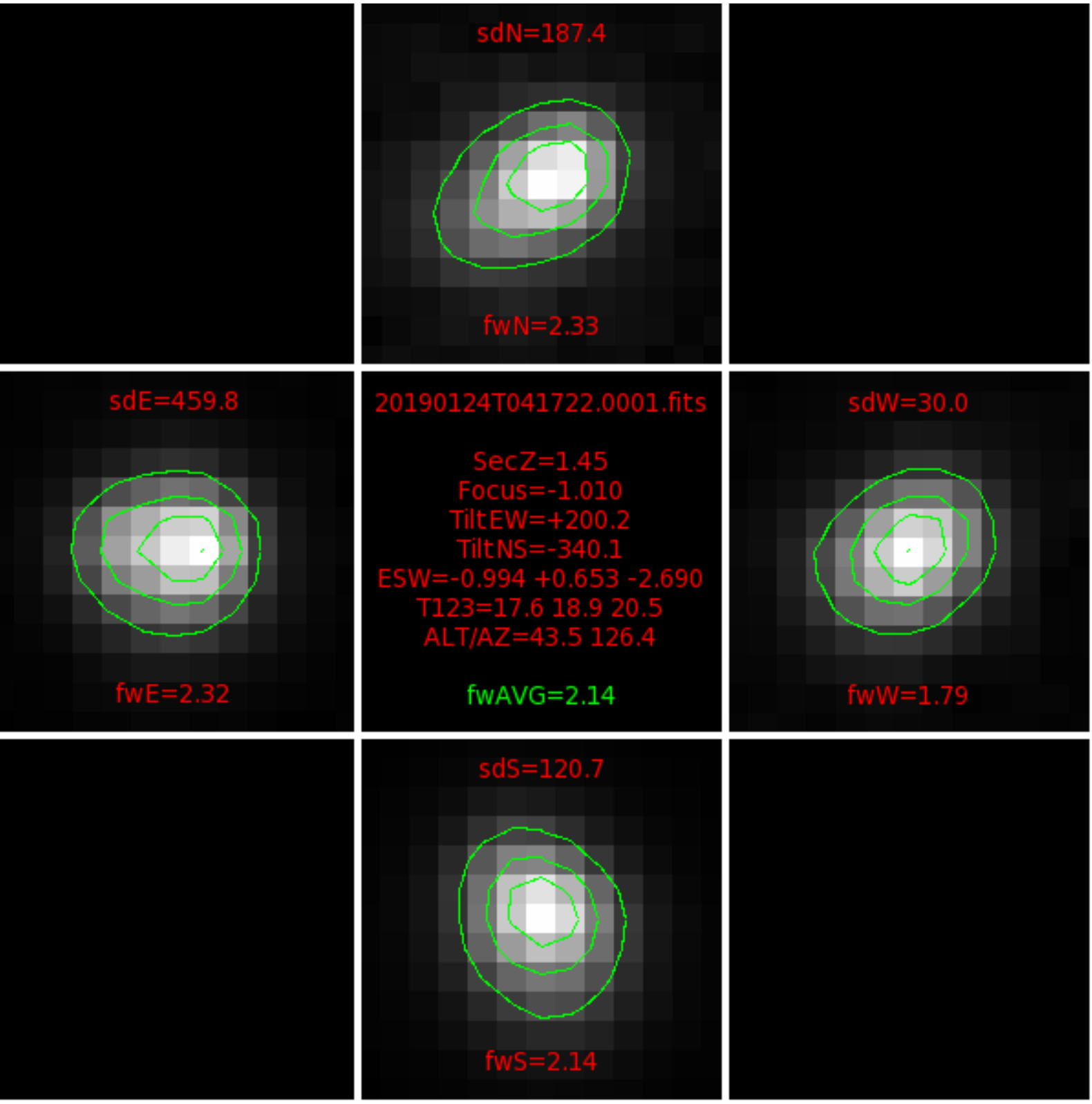
sdN=187.4
fwN=2.33
sdE=459.8
fwE=2.32
20190124T041722.0001.fits
SecZ=1.45
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.6 18.9 20.5
ALT/AZ=43.5 126.4
fwAVG=2.14
sdW=30.0
fwW=1.79
sdS=120.7
fwS=2.14
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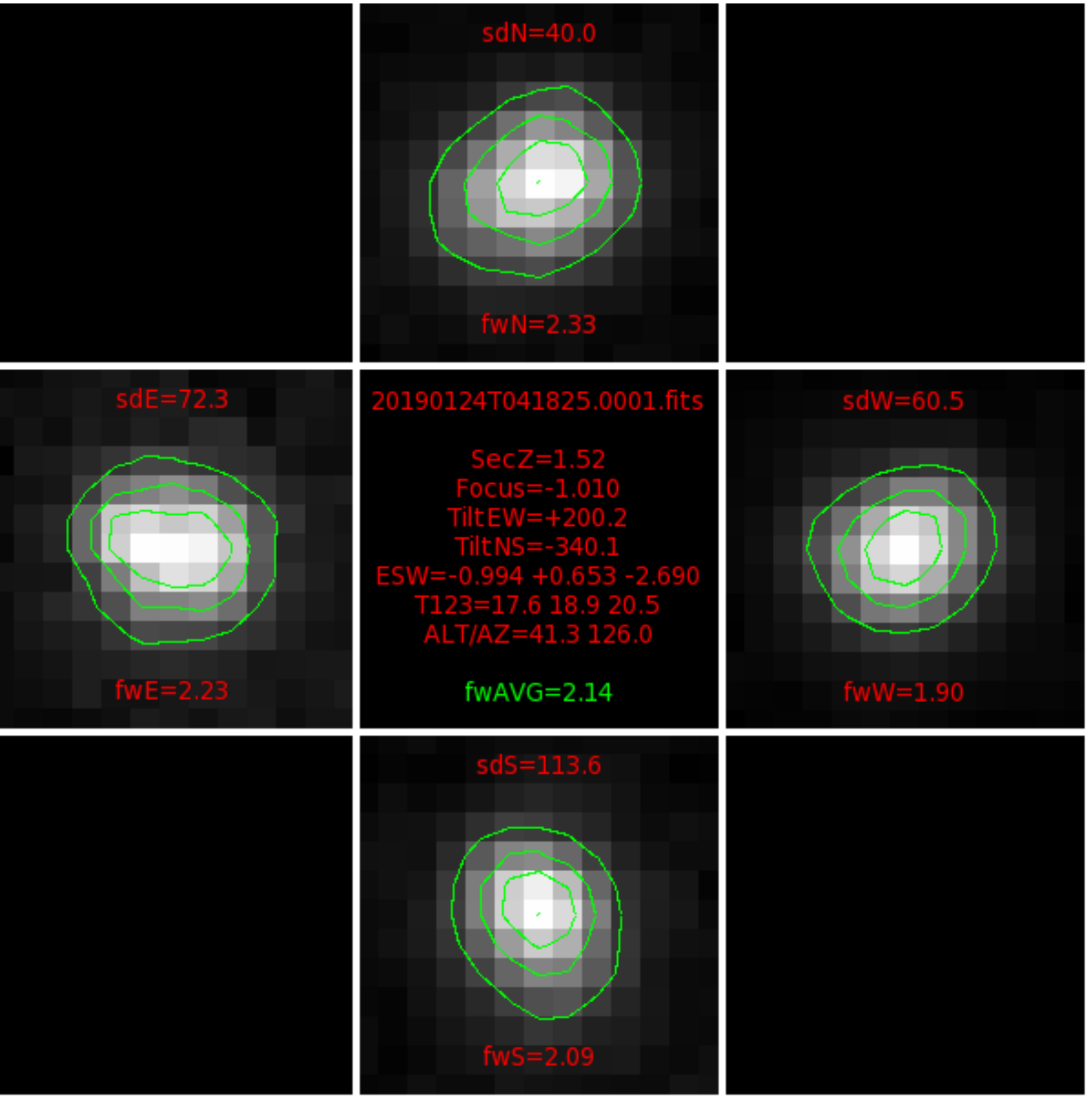
sdN=40.0
fwN=2.33
sdE=72.3
fwE=2.23
20190124T041825.0001.fits
SecZ=1.52
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.6 18.9 20.5
ALT/AZ=41.3 126.0
fwAVG=2.14
sdW=60.5
fwW=1.90
sdS=113.6
fwS=2.09
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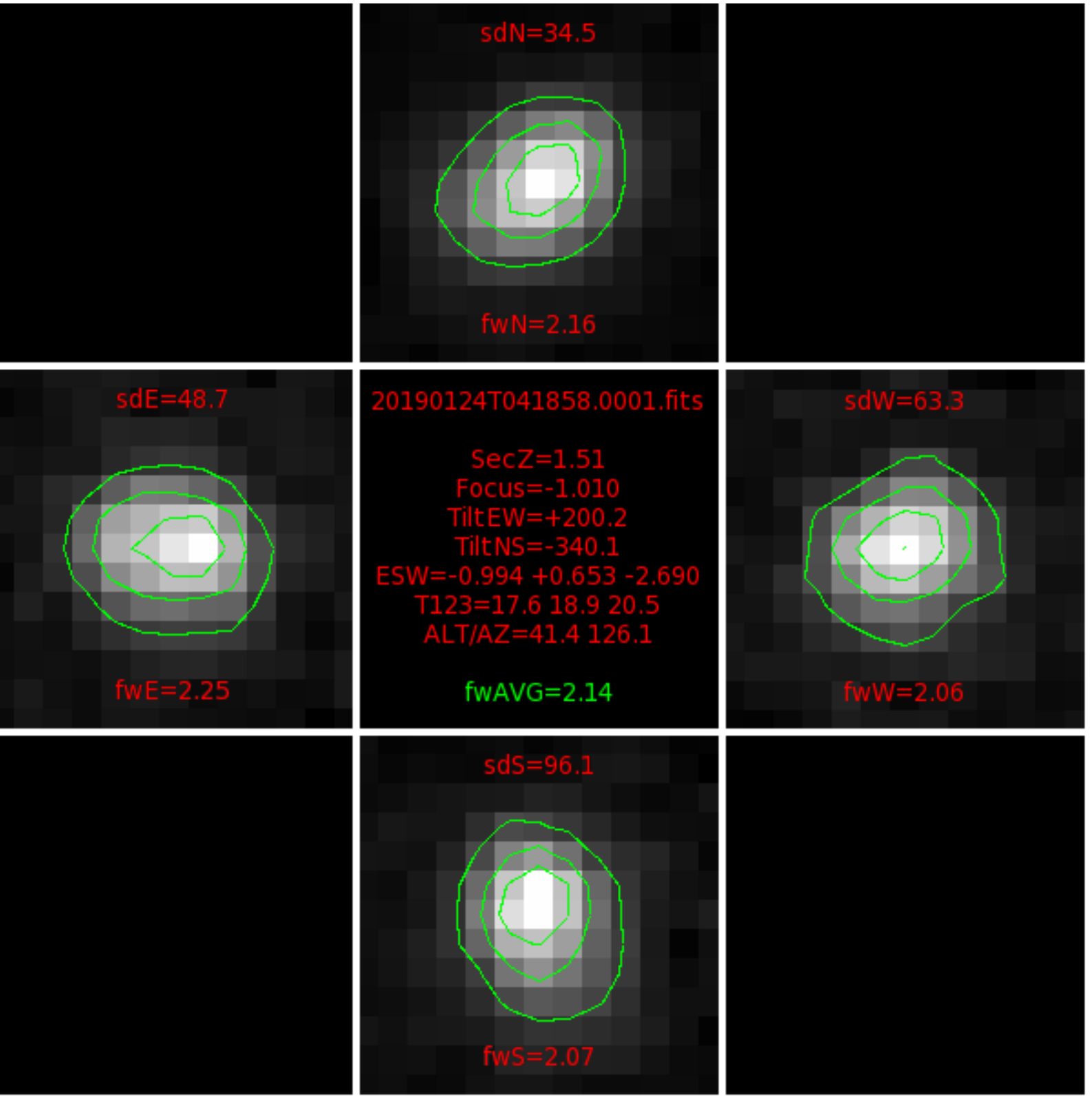
sdN=34.5
fwN=2.16
sdE=48.7
fwE=2.25
20190124T041858.0001.fits
SecZ=1.51
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.6 18.9 20.5
ALT/AZ=41.4 126.1
fwAVG=2.14
sdW=63.3
fwW=2.06
sdS=96.1
fwS=2.07
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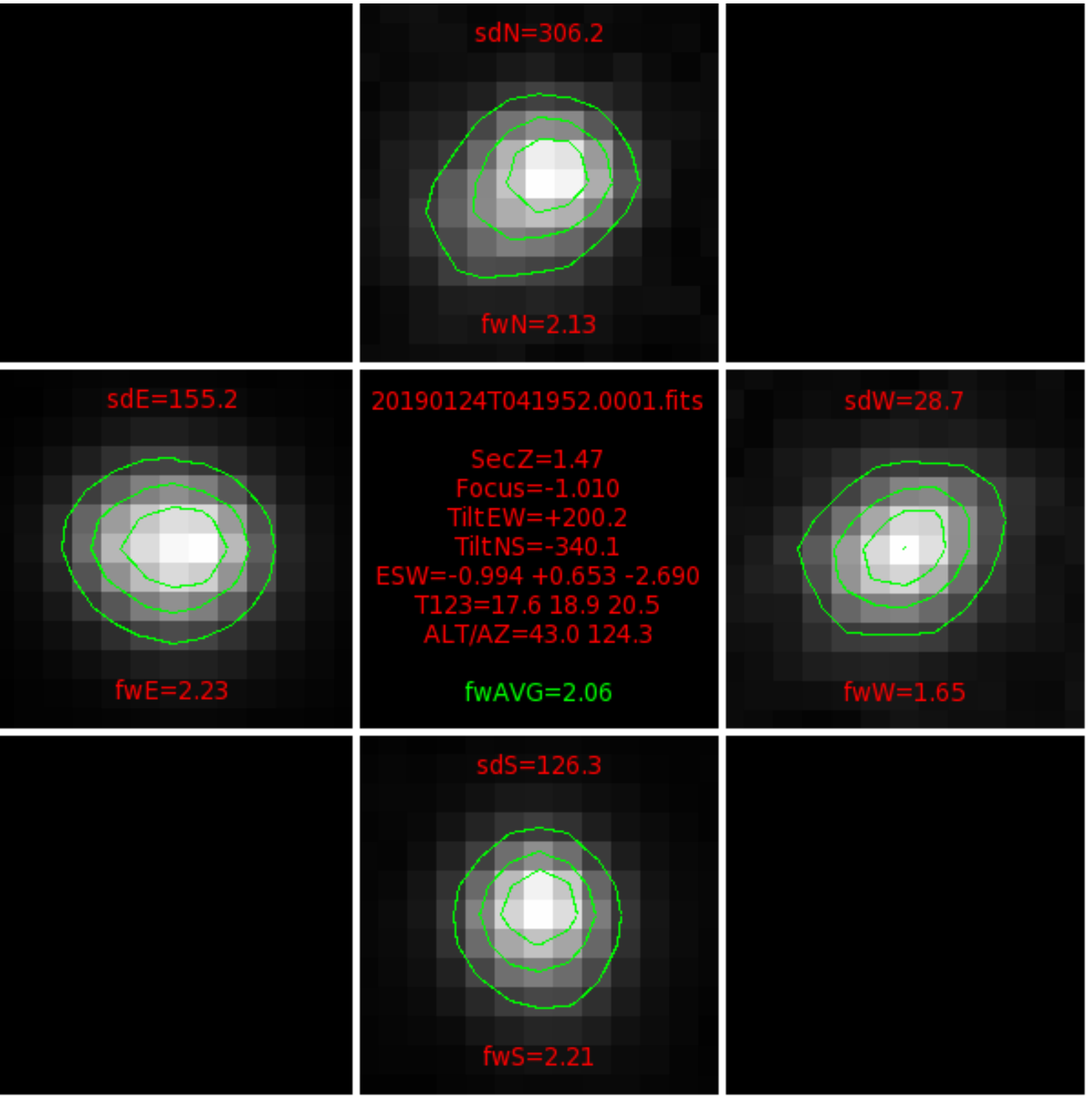
sdN=306.2
fwN=2.13
sdE=155.2
fwE=2.23
20190124T041952.0001.fits
SecZ=1.47
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.6 18.9 20.5
ALT/AZ=43.0 124.3
fwAVG=2.06
sdW=28.7
fwW=1.65
sdS=126.3
fwS=2.21
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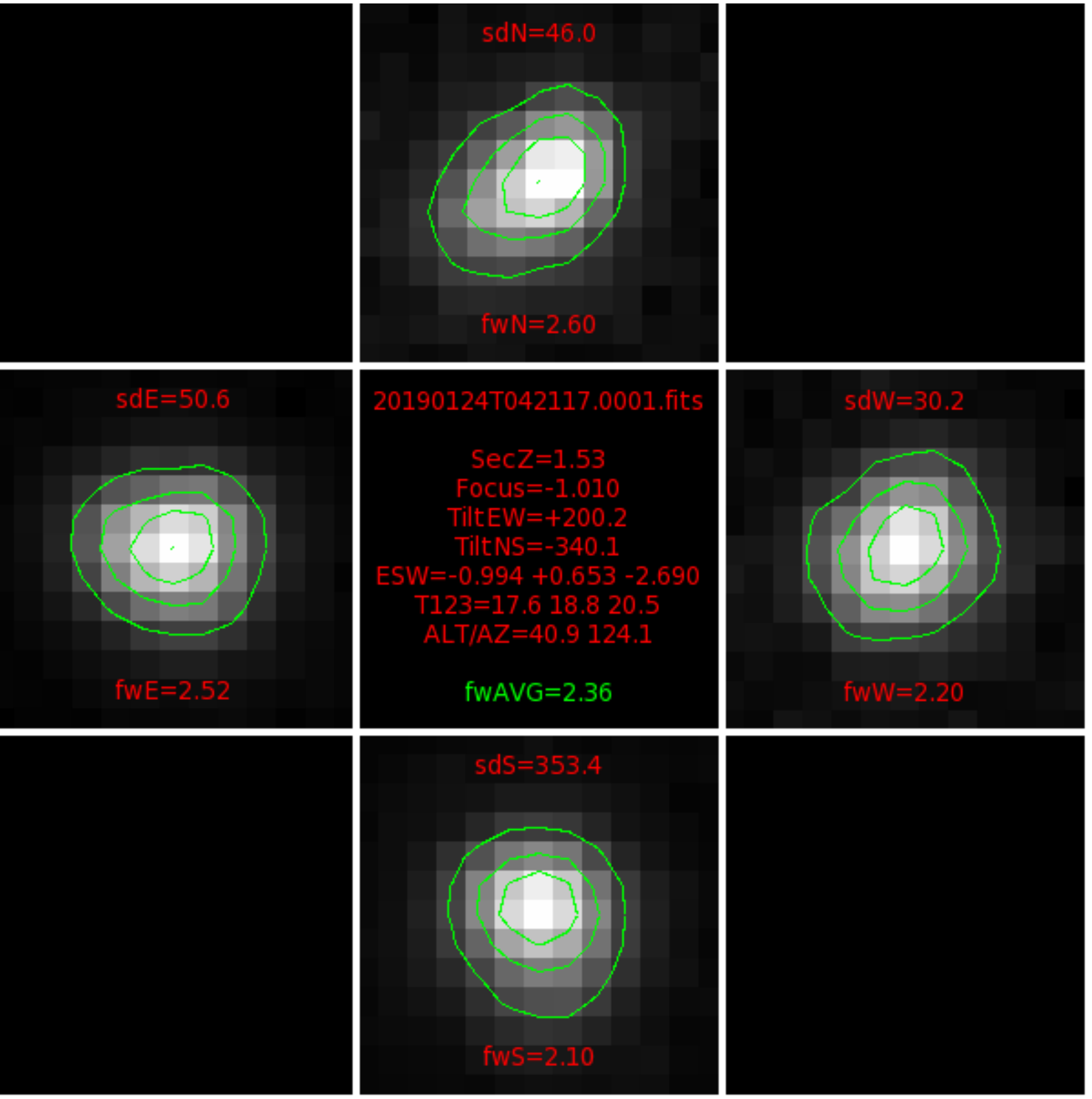
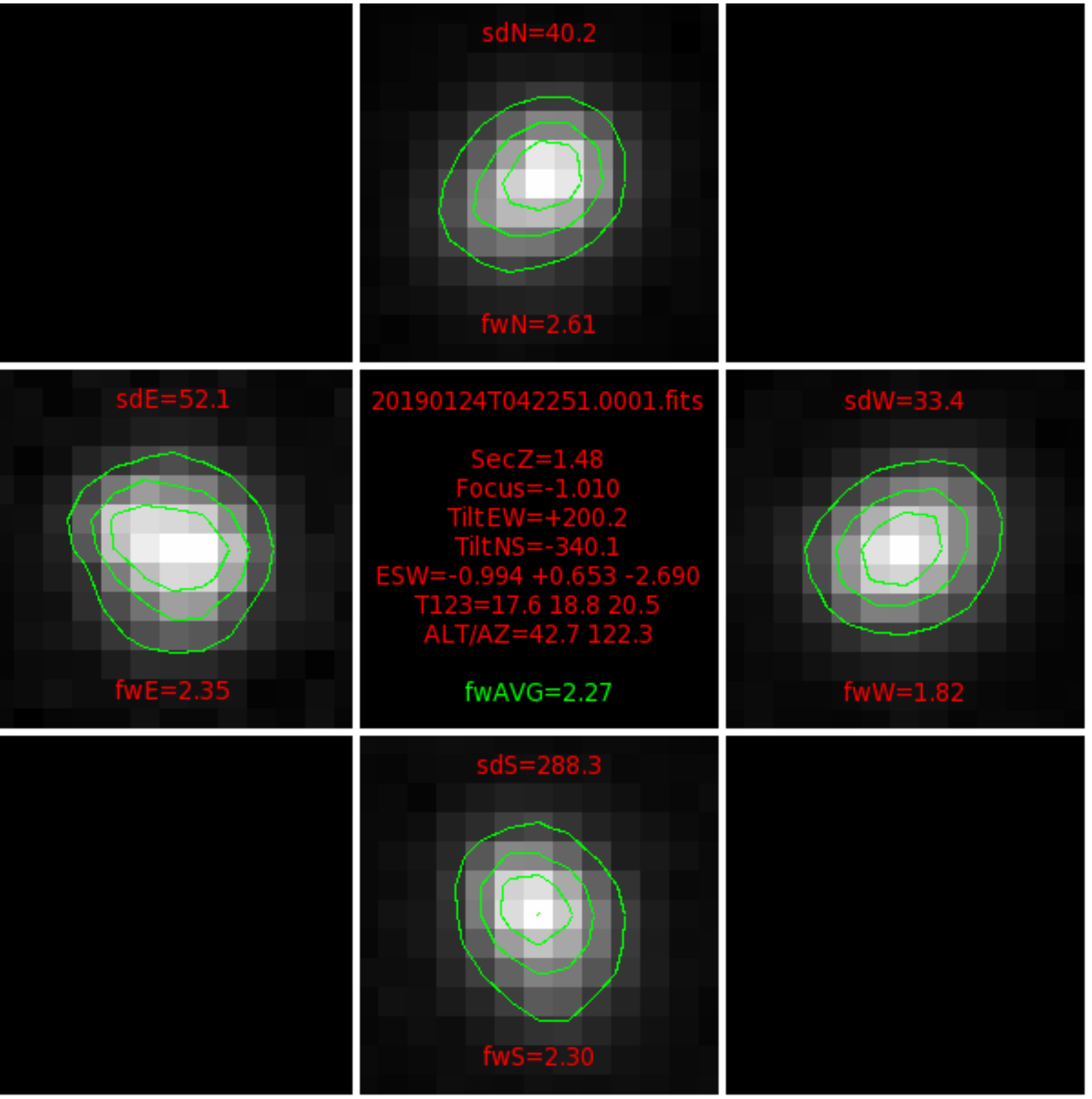

sdN=46.0
fwN=2.60
sdE=50.6
fwE=2.52
20190124T042117.0001.fits
SecZ=1.53
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.6 18.8 20.5
ALT/AZ=40.9 124.1
fwAVG=2.36
sdW=30.2
fwW=2.20
sdS=353.4
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=40.2
fwN=2.61
sdE=52.1
fwE=2.35
20190124T042251.0001.fits
SecZ=1.48
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.6 18.8 20.5
ALT/AZ=42.7 122.3
fwAVG=2.27
sdW=33.4
fwW=1.82
sdS=288.3
fwS=2.30
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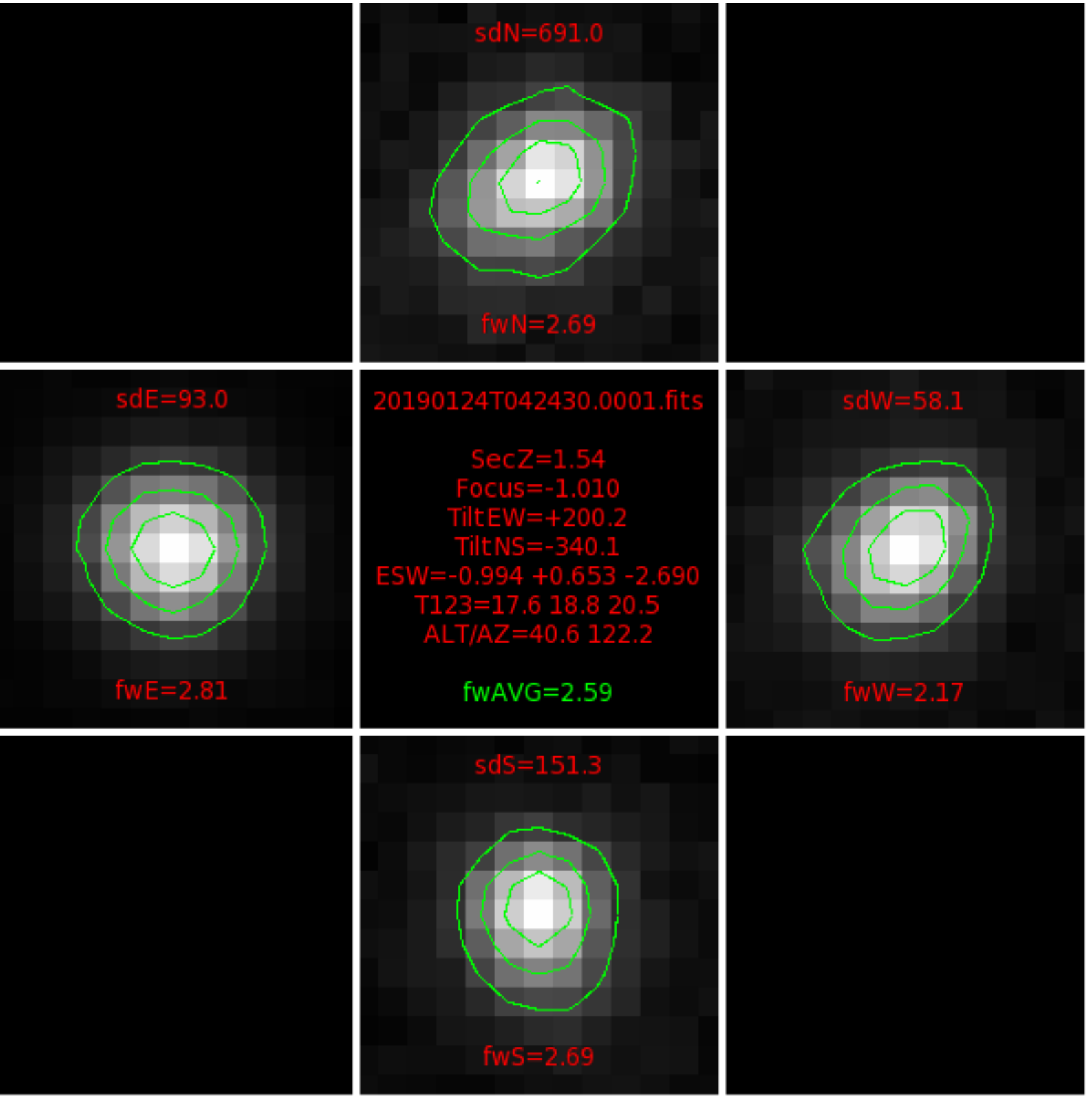
sdN=691.0
fwN=2.69
sdE=93.0
fwE=2.81
20190124T042430.0001.fits
SecZ=1.54
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.6 18.8 20.5
ALT/AZ=40.6 122.2
fwAVG=2.59
sdW=58.1
fwW=2.17
sdS=151.3
fwS=2.69
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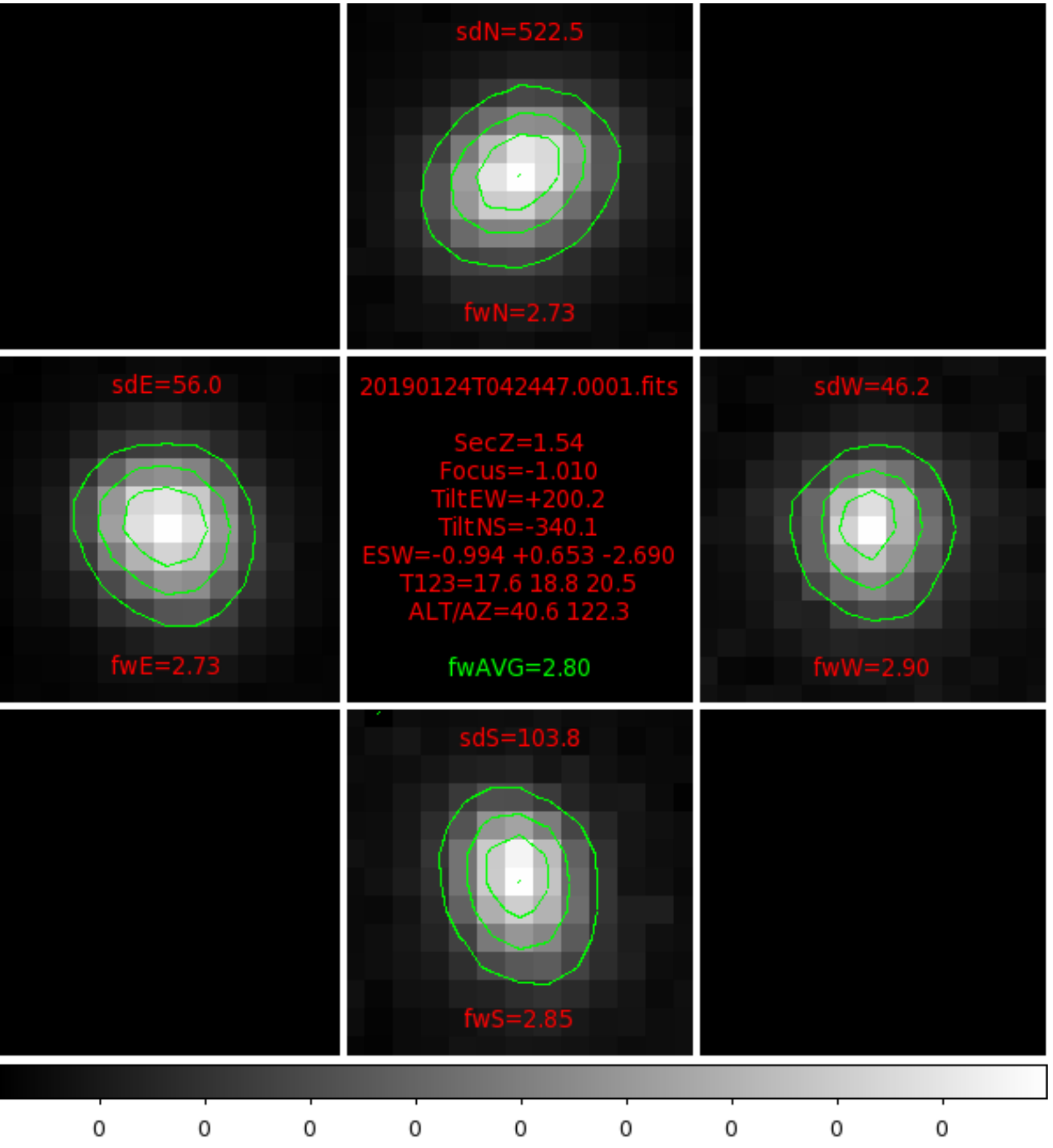
sdN=522.5
fwN=2.73
sdE=56.0
fwE=2.73
20190124T042447.0001.fits
SecZ=1.54
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.6 18.8 20.5
ALT/AZ=40.6 122.3
fwAVG=2.80
sdW=46.2
fwW=2.90
sdS=103.8
fwS=2.85
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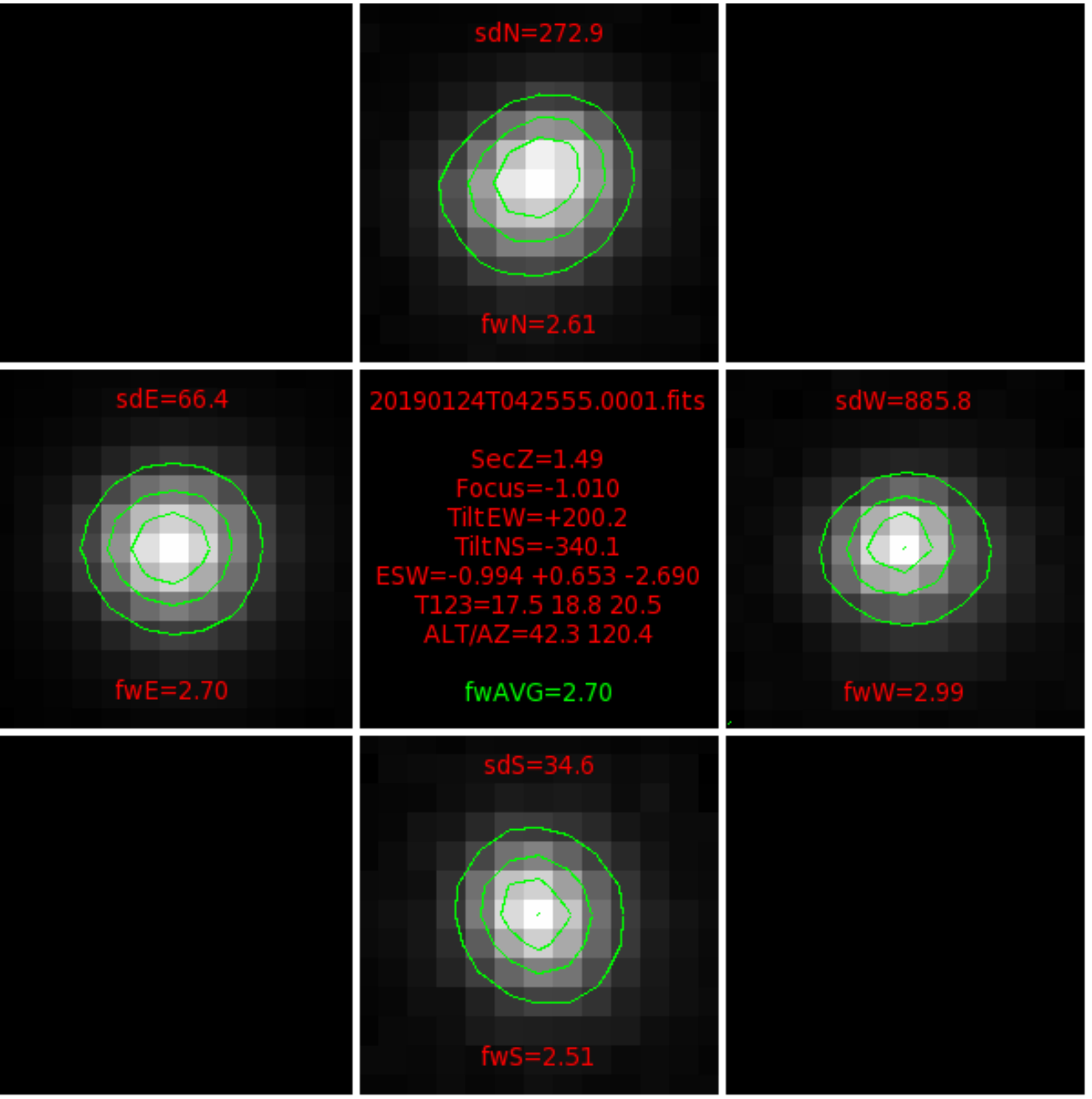
sdN=272.9
fwN=2.61
sdE=66.4
fwE=2.70
20190124T042555.0001.fits
SecZ=1.49
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.5 18.8 20.5
ALT/AZ=42.3 120.4
fwAVG=2.70
sdW=885.8
fwW=2.99
sdS=34.6
fwS=2.51
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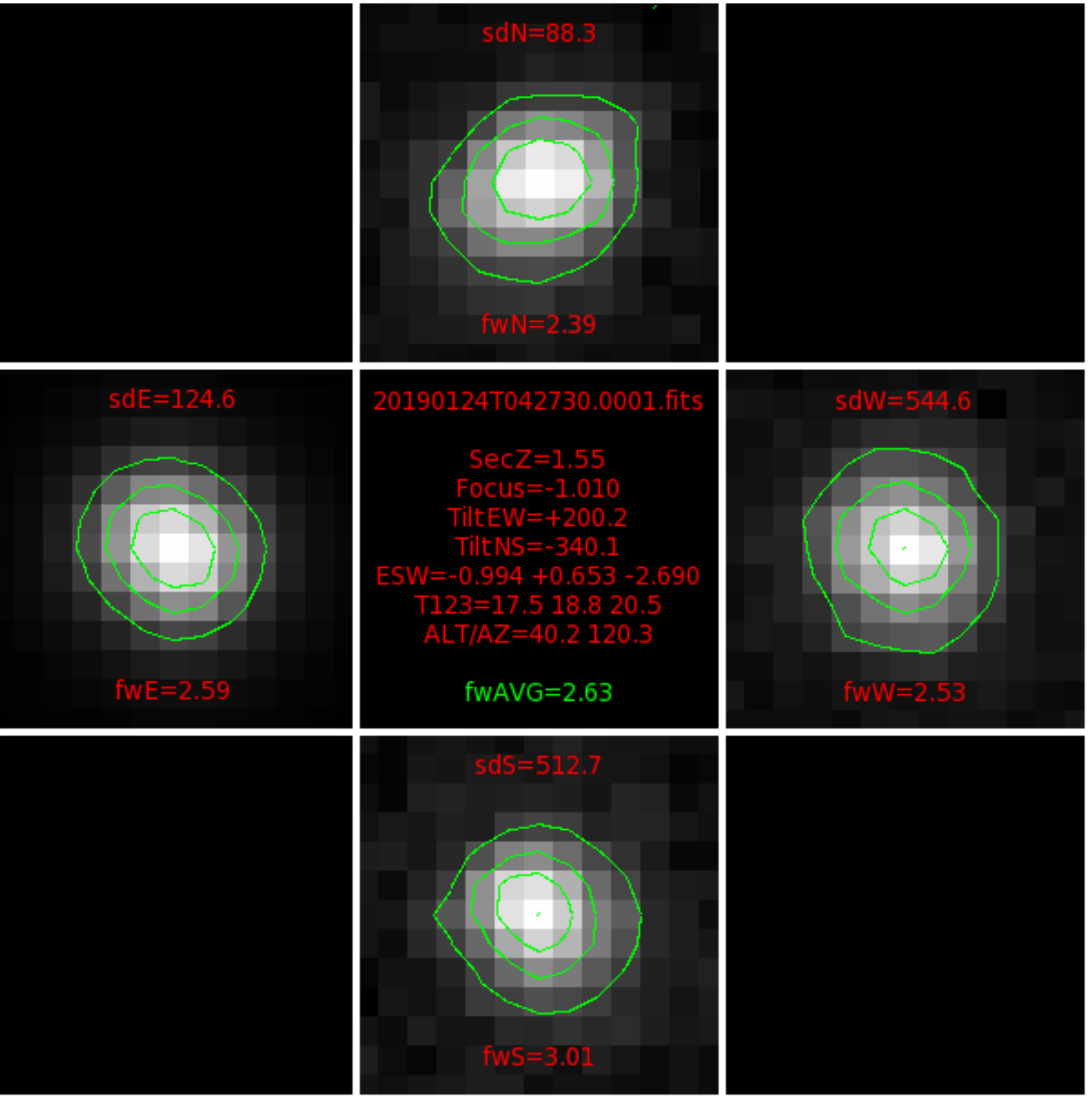
sdN=88.3
fwN=2.39
sdE=124.6
fwE=2.59
20190124T042730.0001.fits
SecZ=1.55
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.5 18.8 20.5
ALT/AZ=40.2 120.3
fwAVG=2.63
sdW=544.6
fwW=2.53
sdS=512.7
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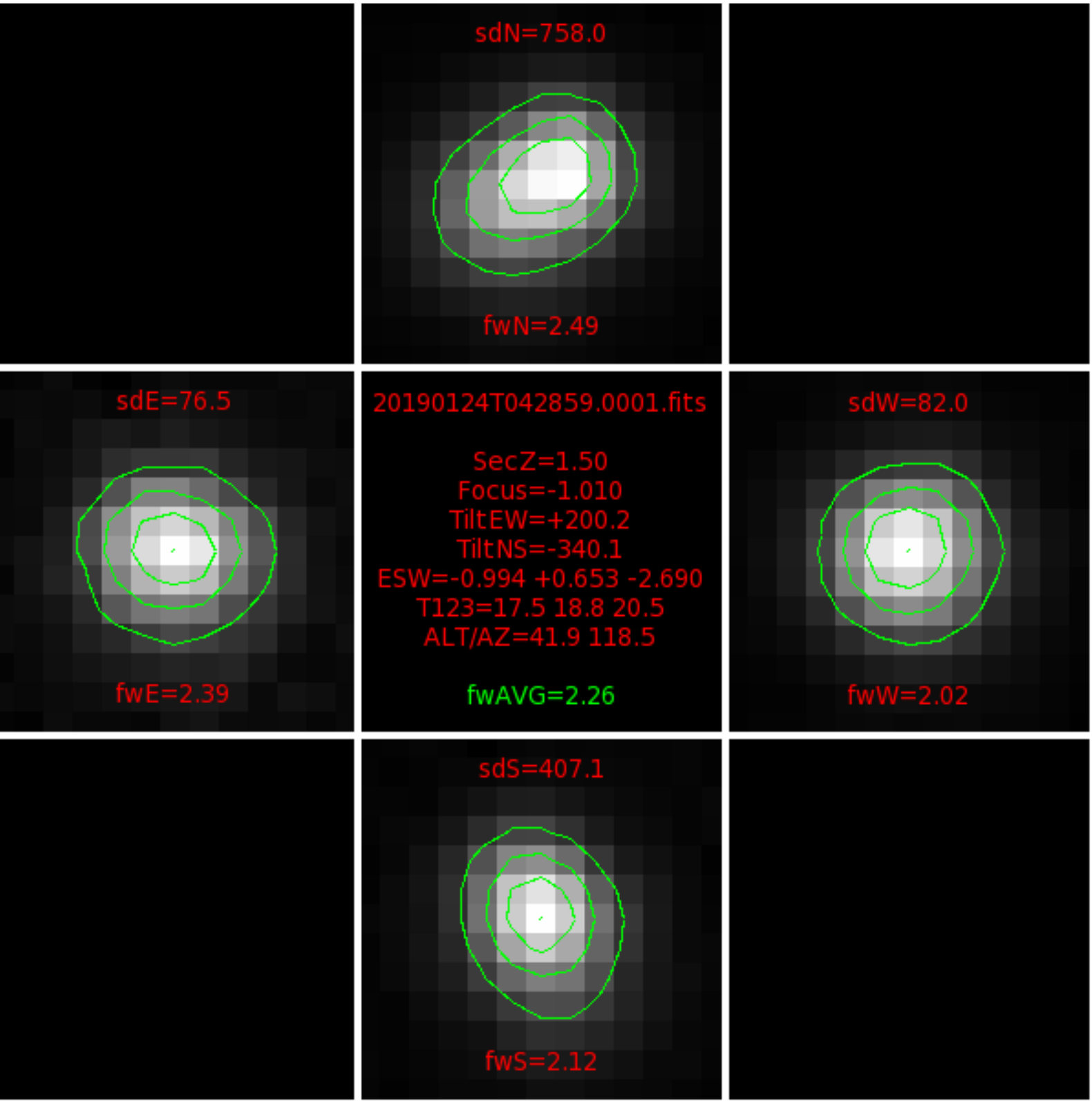
sdN=758.0
fwN=2.49
sdE=76.5
fwE=2.39
20190124T042859.0001.fits
SecZ=1.50
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.5 18.8 20.5
ALT/AZ=41.9 118.5
fwAVG=2.26
sdW=82.0
fwW=2.02
sdS=407.1
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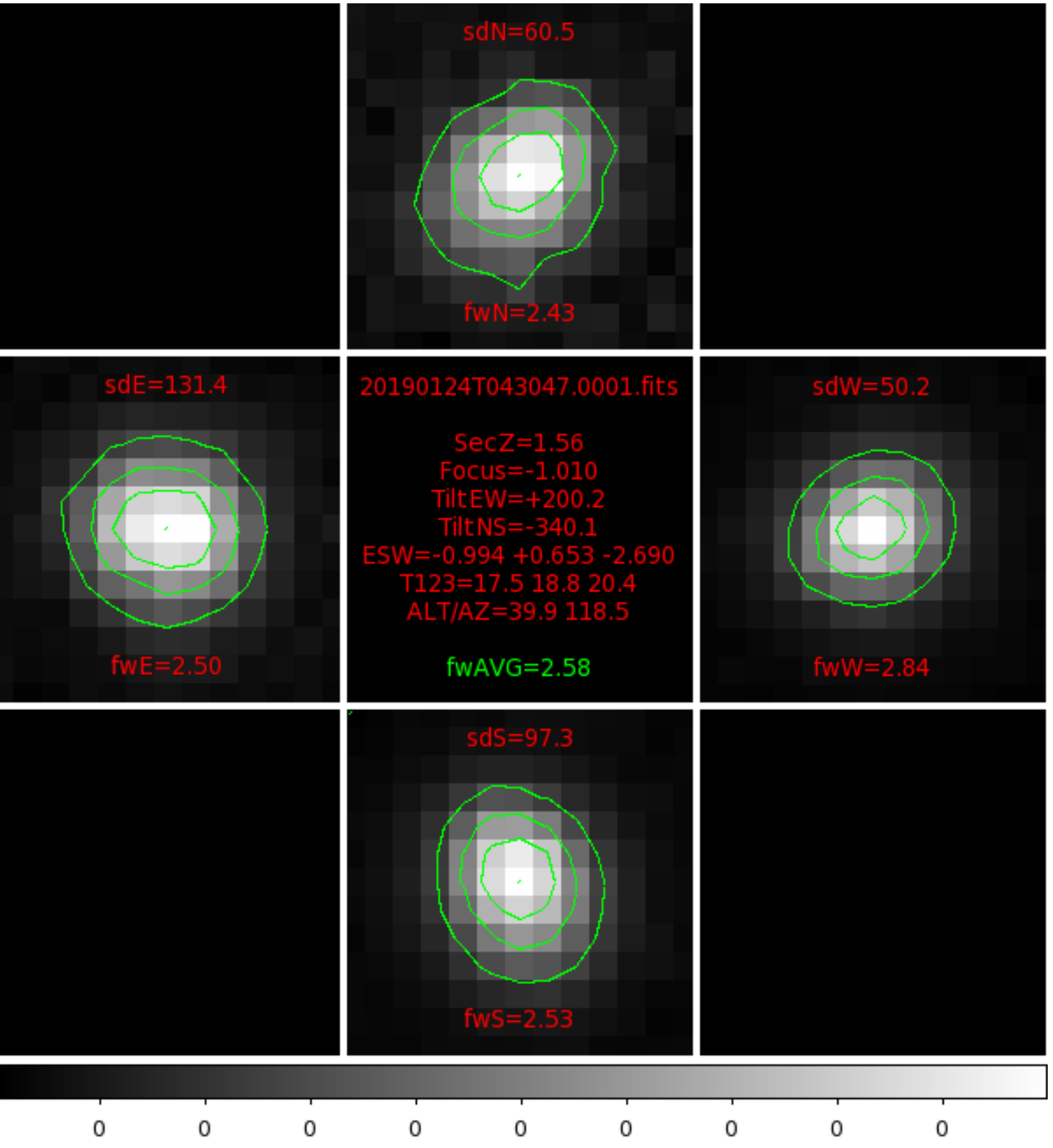
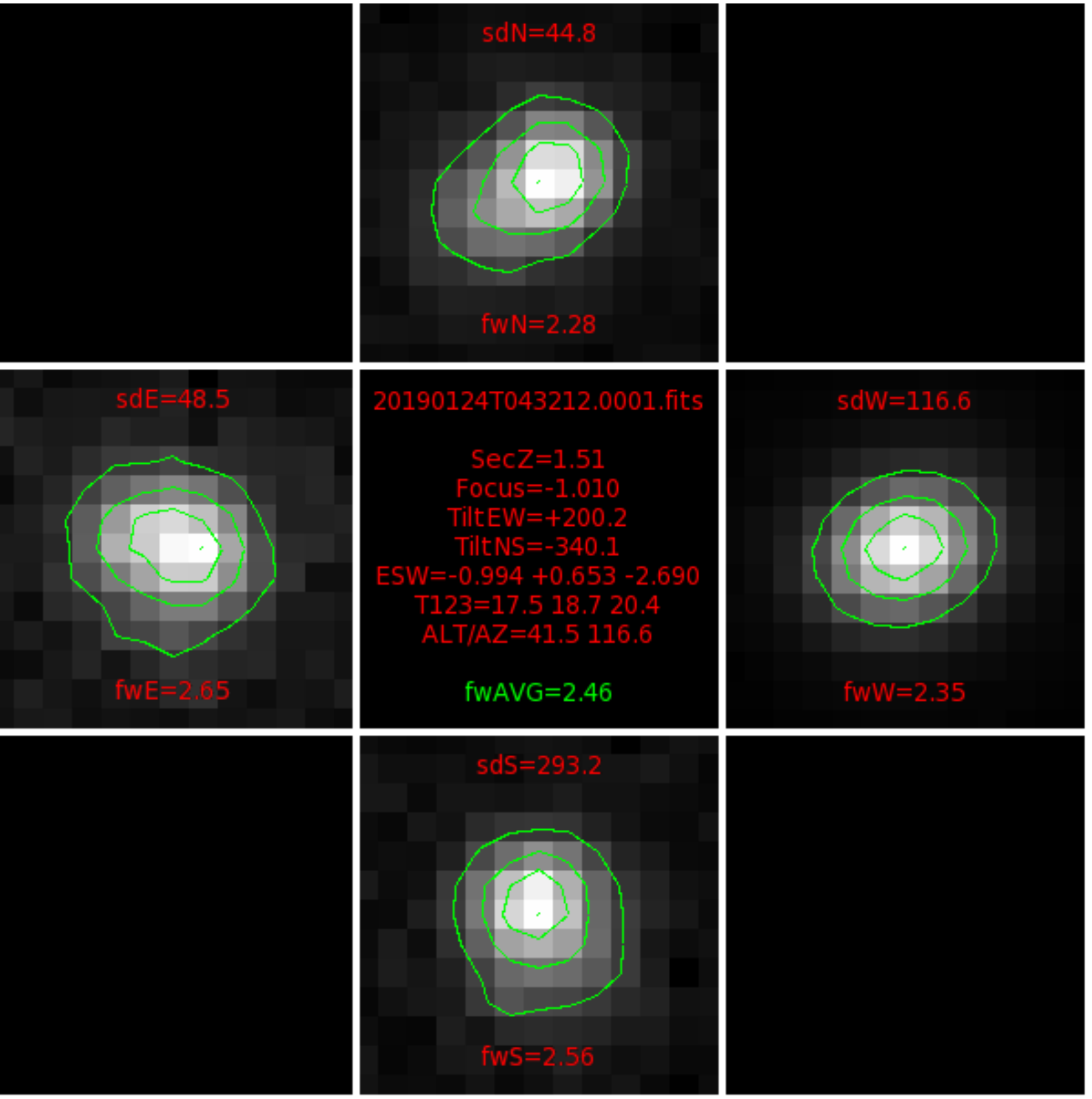

sdN=60.5
fwN=2.43
sdE=131.4
fwE=2.50
20190124T043047.0001.fits
SecZ=1.56
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.5 18.8 20.4
ALT/AZ=39.9 118.5
fwAVG=2.58
sdW=50.2
fwW=2.84
sdS=97.3
fwS=2.53
0 0 0 0 0 0 0 0 0


sdN=44.8
fwN=2.28
sdE=48.5
fwE=2.65
20190124T043212.0001.fits
SecZ=1.51
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.5 18.7 20.4
ALT/AZ=41.5 116.6
fwAVG=2.46
sdW=116.6
fwW=2.35
sdS=293.2
fwS=2.56
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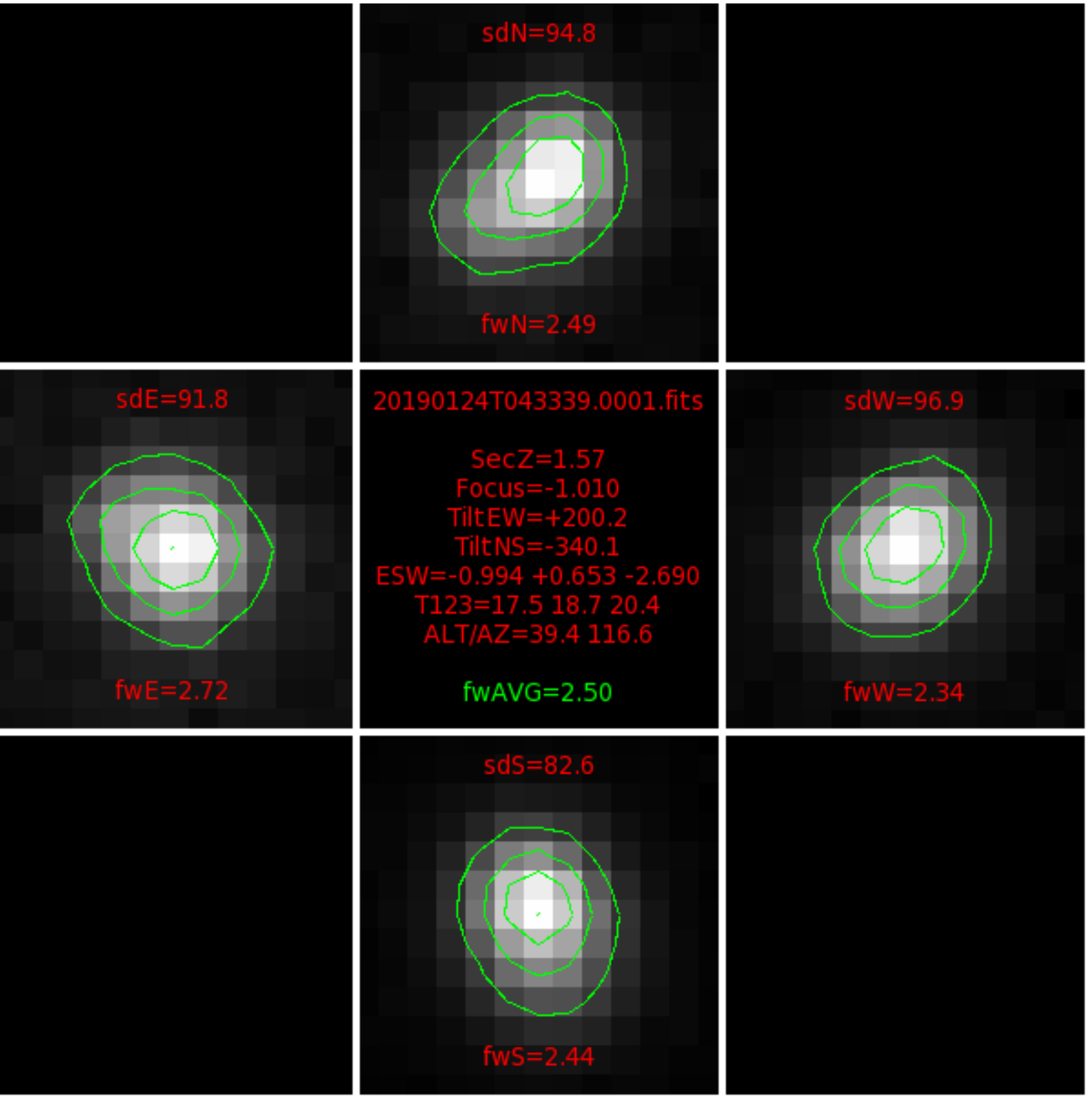
sdN=94.8
fwN=2.49
sdE=91.8
fwE=2.72
20190124T043339.0001.fits
SecZ=1.57
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.5 18.7 20.4
ALT/AZ=39.4 116.6
fwAVG=2.50
sdW=96.9
fwW=2.34
sdS=82.6
fwS=2.44
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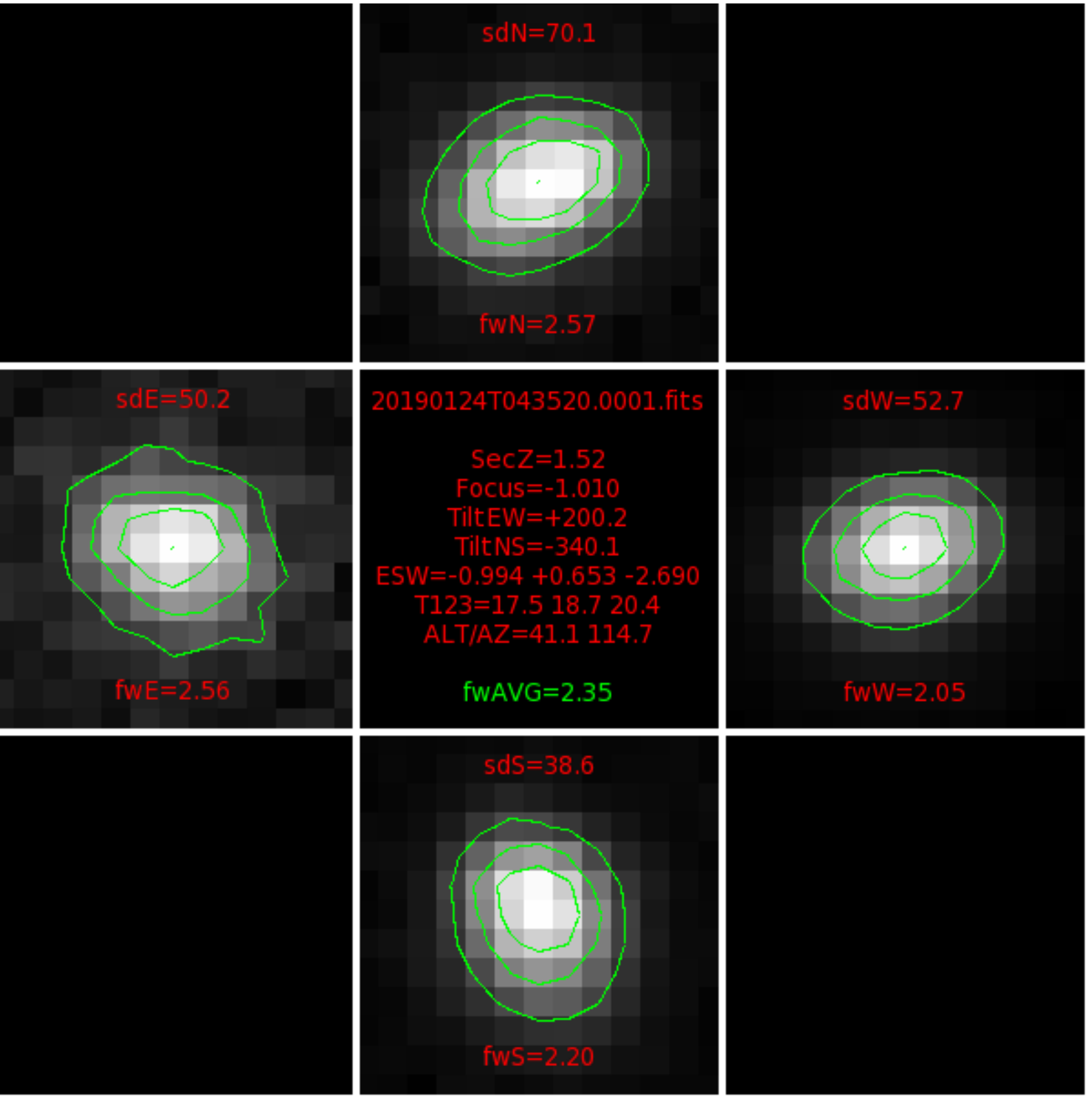
sdN=70.1
fwN=2.57
sdE=50.2
fwE=2.56
20190124T043520.0001.fits
SecZ=1.52
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.5 18.7 20.4
ALT/AZ=41.1 114.7
fwAVG=2.35
sdW=52.7
fwW=2.05
sdS=38.6
fwS=2.20
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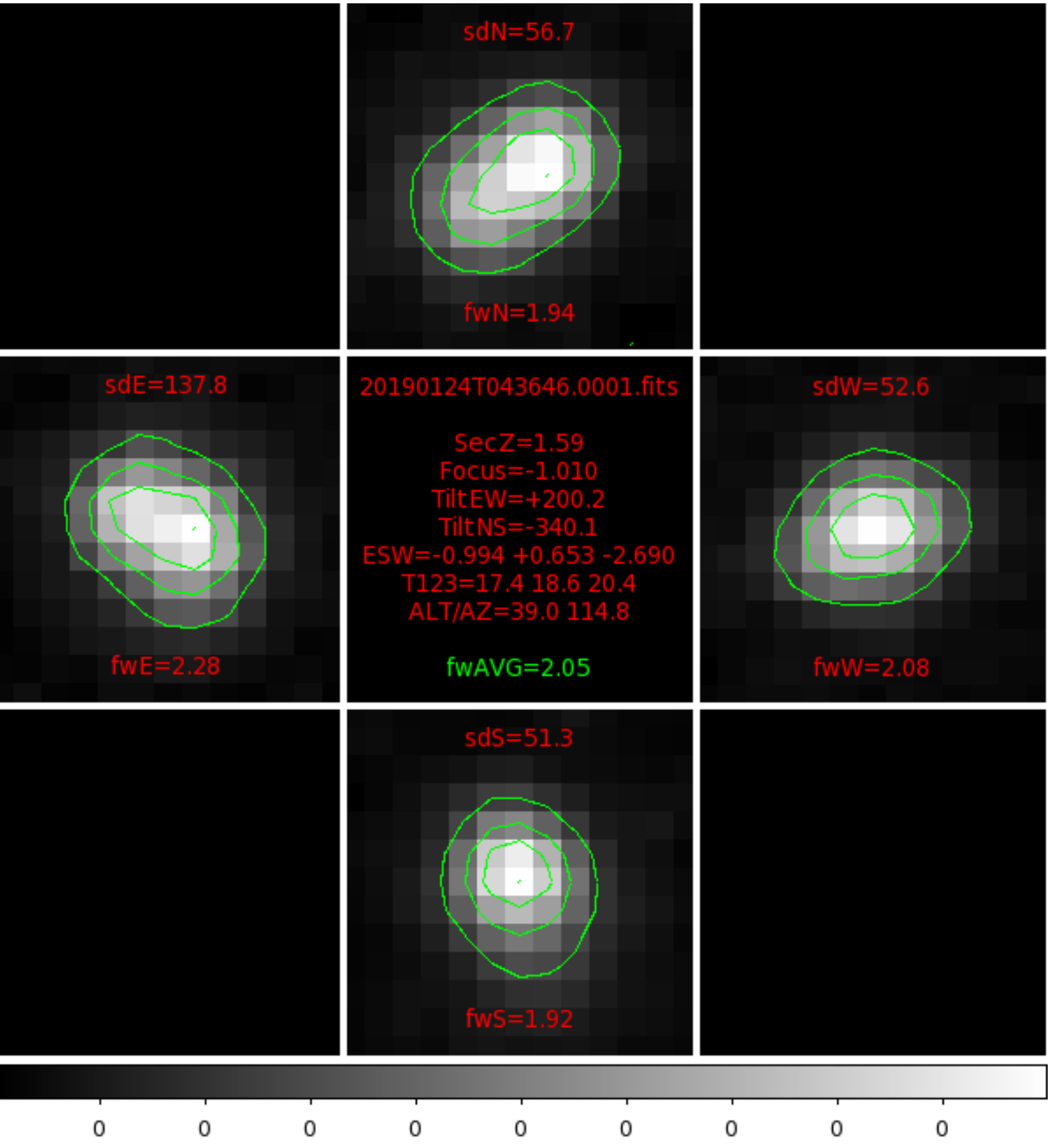
sdN=56.7
fwN=1.94
sdE=137.8
fwE=2.28
20190124T043646.0001.fits
SecZ=1.59
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.4 18.6 20.4
ALT/AZ=39.0 114.8
fwAVG=2.05
sdW=52.6
fwW=2.08
sdS=51.3
fwS=1.92
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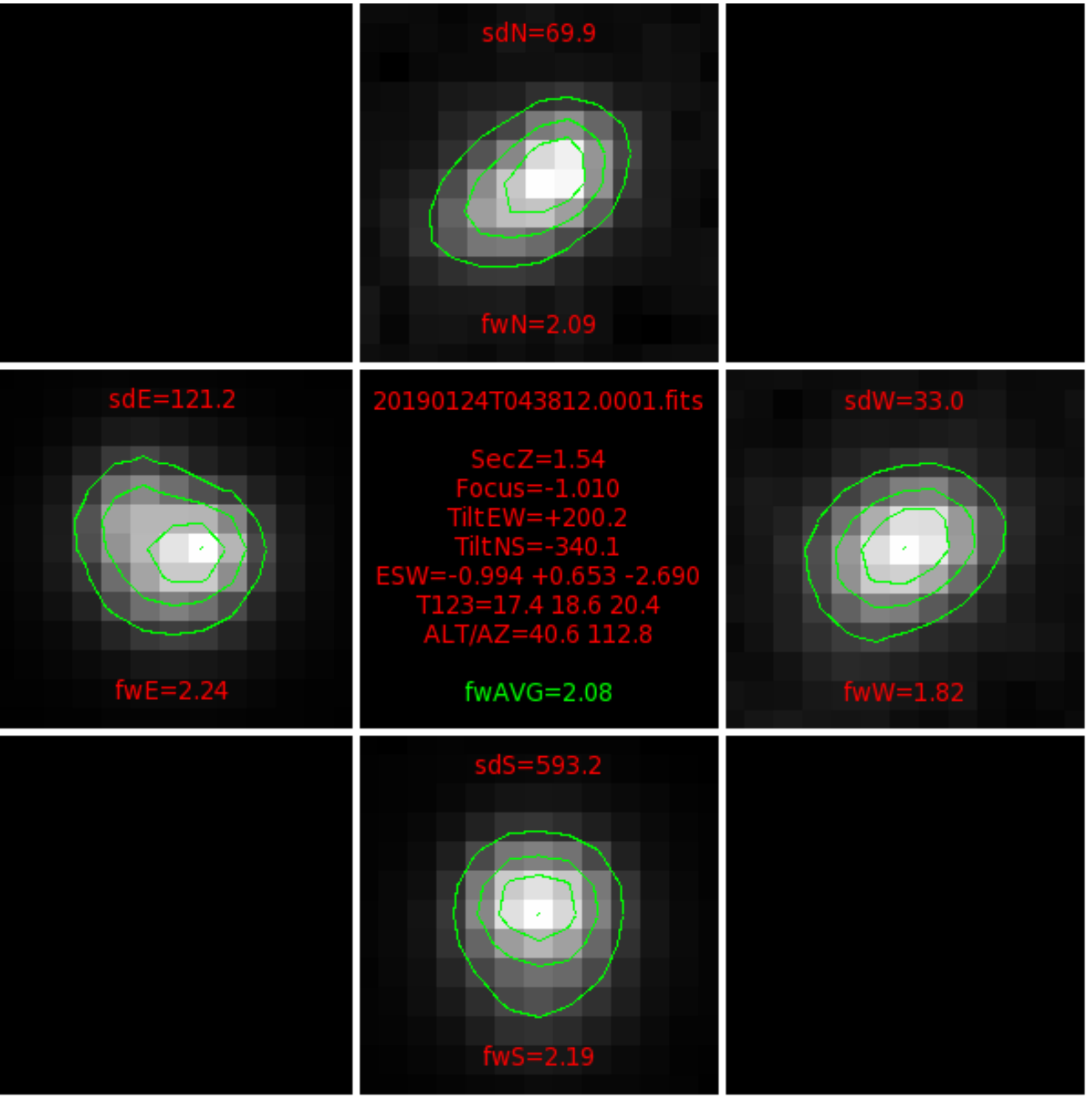
sdN=69.9
fwN=2.09
sdE=121.2
fwE=2.24
20190124T043812.0001.fits
SecZ=1.54
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.4 18.6 20.4
ALT/AZ=40.6 112.8
fwAVG=2.08
sdW=33.0
fwW=1.82
sdS=593.2
fwS=2.19
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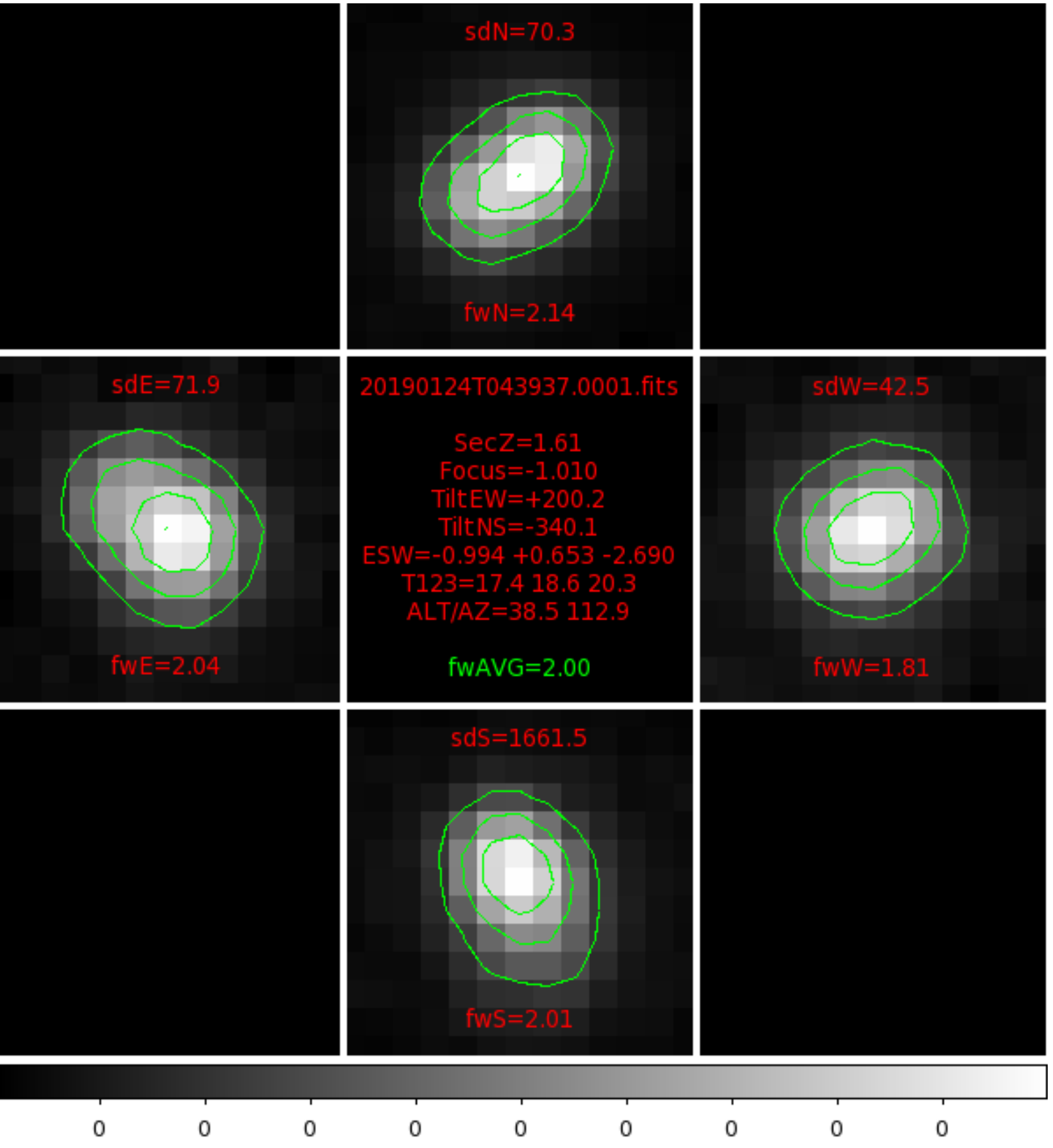
sdN=70.3
fwN=2.14
sdE=71.9
fwE=2.04
20190124T043937.0001.fits
SecZ=1.61
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.4 18.6 20.3
ALT/AZ=38.5 112.9
fwAVG=2.00
sdW=42.5
fwW=1.81
sdS=1661.5
fwS=2.01
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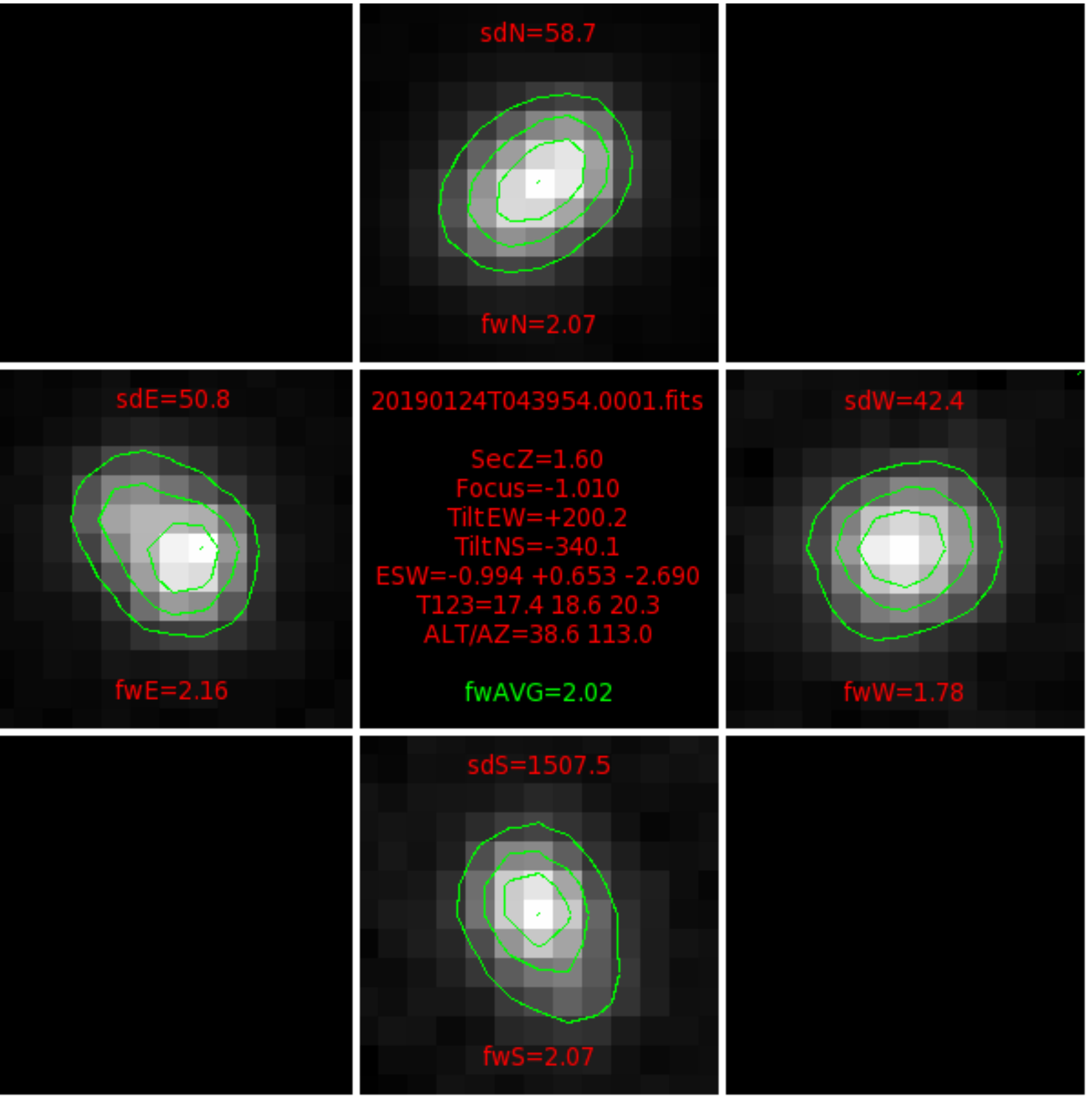
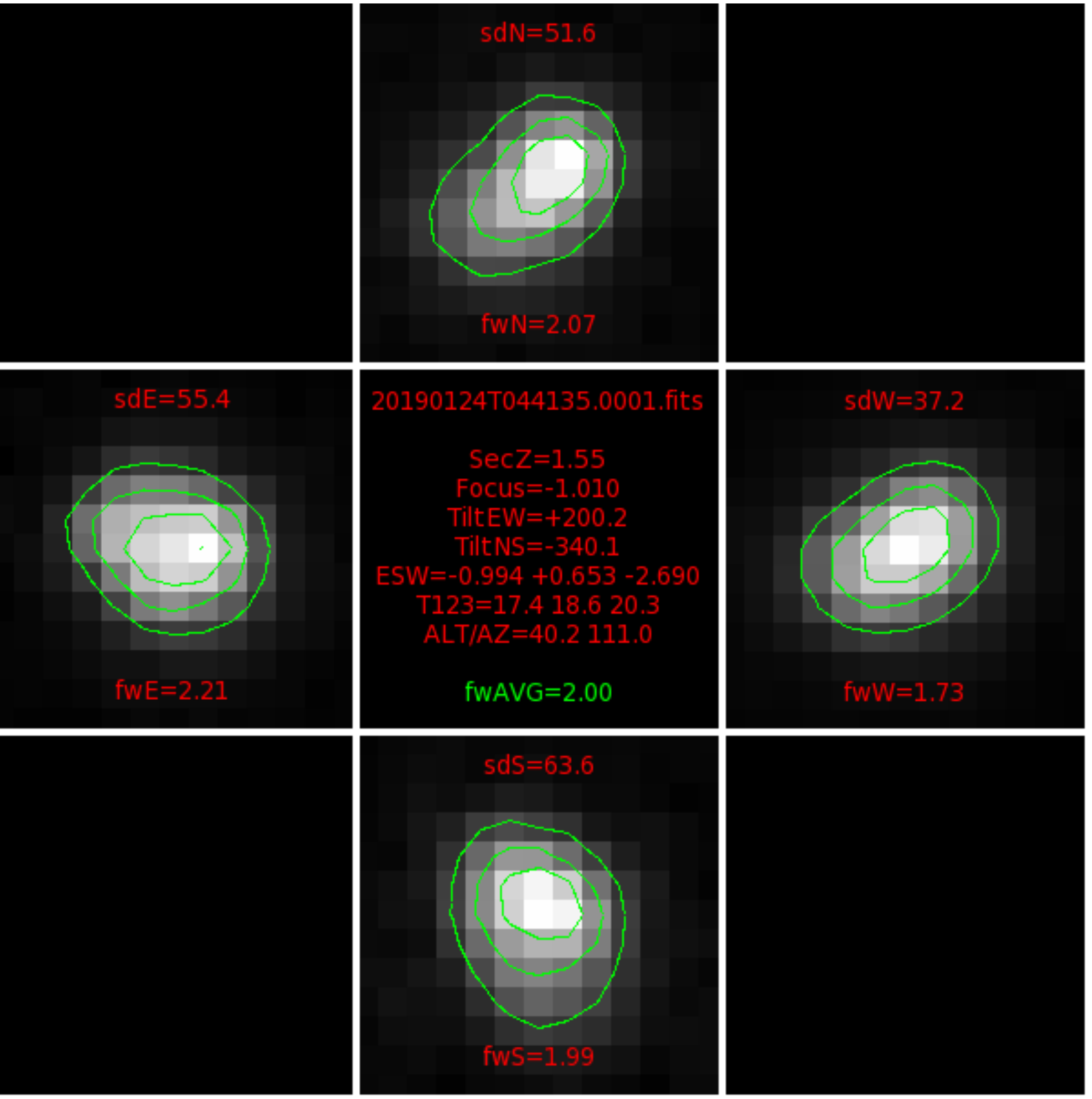
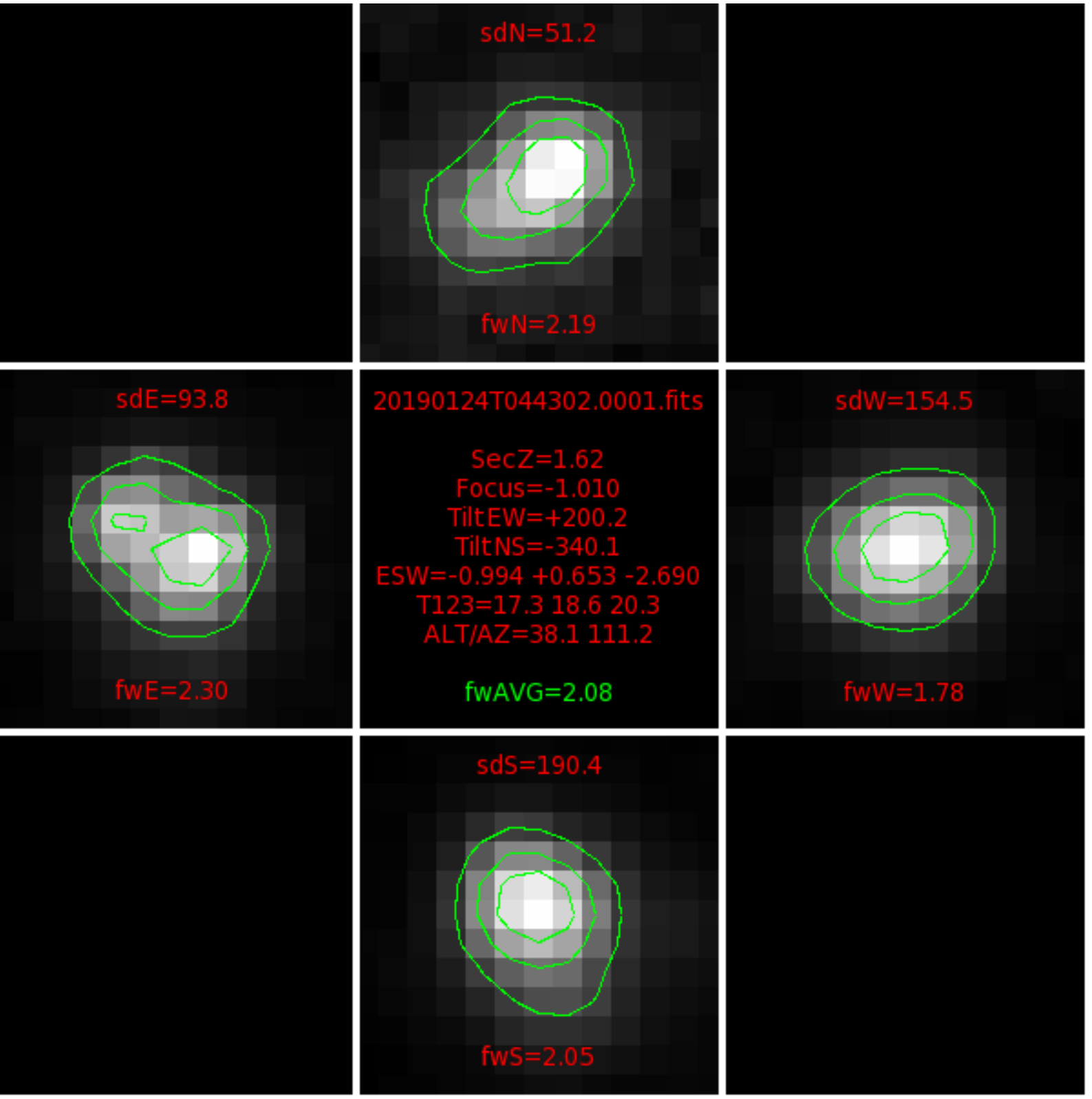

sdN=58.7
fwN=2.07
sdE=50.8
fwE=2.16
20190124T043954.0001.fits
SecZ=1.60
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.4 18.6 20.3
ALT/AZ=38.6 113.0
fwAVG=2.02
sdW=42.4
fwW=1.78
sdS=1507.5
fwS=2.07
0 0 0 0 0 0 0 0 0


sdN=51.6
fwN=2.07
sdE=55.4
fwE=2.21
20190124T044135.0001.fits
SecZ=1.55
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.4 18.6 20.3
ALT/AZ=40.2 111.0
fwAVG=2.00
sdW=37.2
fwW=1.73
sdS=63.6
fwS=1.99
0 0 0 0 0 0 0 0 0


sdN=51.2
fwN=2.19
sdE=93.8
fwE=2.30
20190124T044302.0001.fits
SecZ=1.62
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.3 18.6 20.3
ALT/AZ=38.1 111.2
fwAVG=2.08
sdW=154.5
fwW=1.78
sdS=190.4
fwS=2.05
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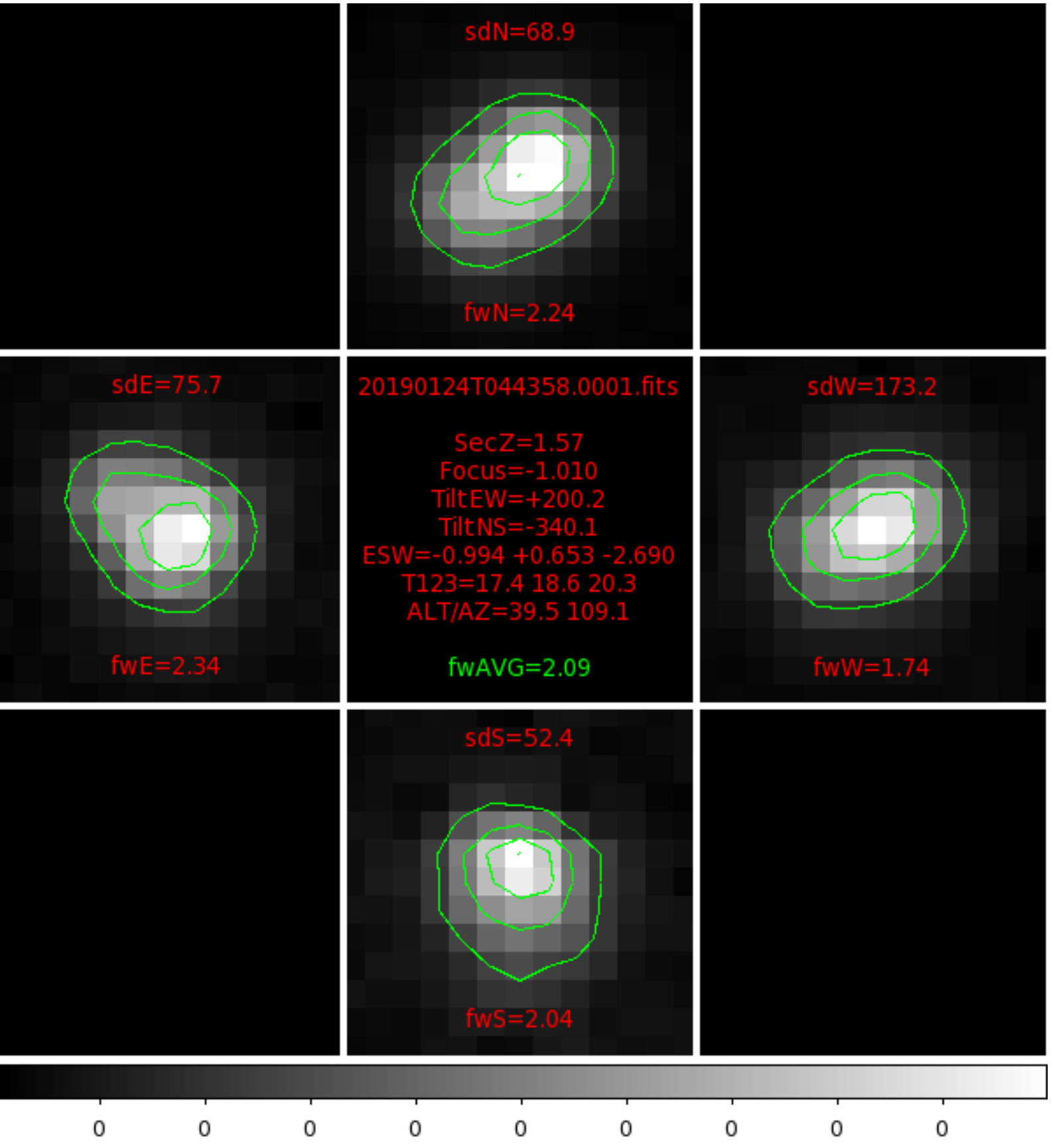
sdN=68.9
fwN=2.24
sdE=75.7
fwE=2.34
20190124T044358.0001.fits
SecZ=1.57
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.4 18.6 20.3
ALT/AZ=39.5 109.1
fwAVG=2.09
sdW=173.2
fwW=1.74
sdS=52.4
fwS=2.04
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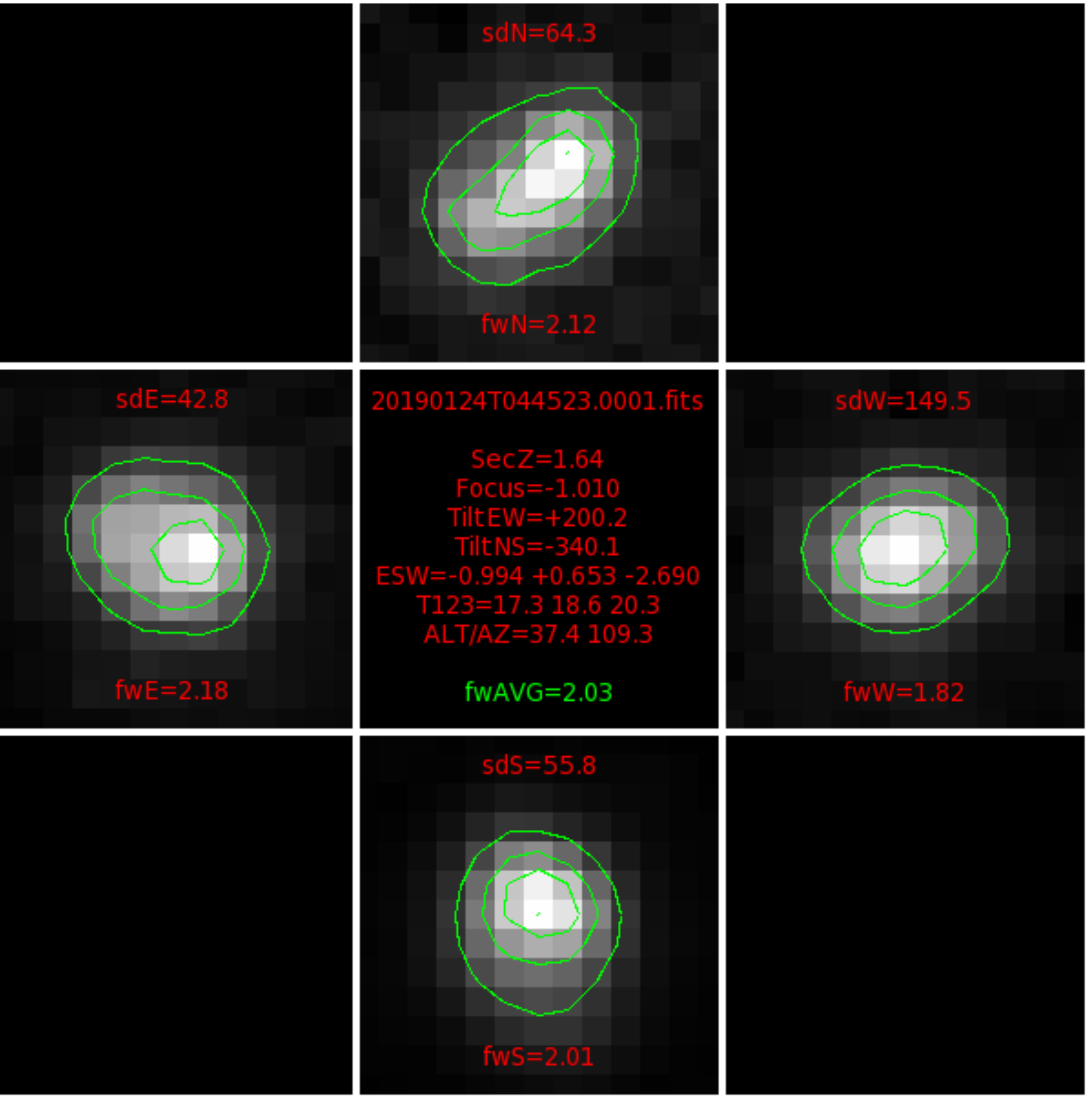
sdN=64.3
fwN=2.12
sdE=42.8
fwE=2.18
20190124T044523.0001.fits
SecZ=1.64
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.3 18.6 20.3
ALT/AZ=37.4 109.3
fwAVG=2.03
sdW=149.5
fwW=1.82
sdS=55.8
fwS=2.01
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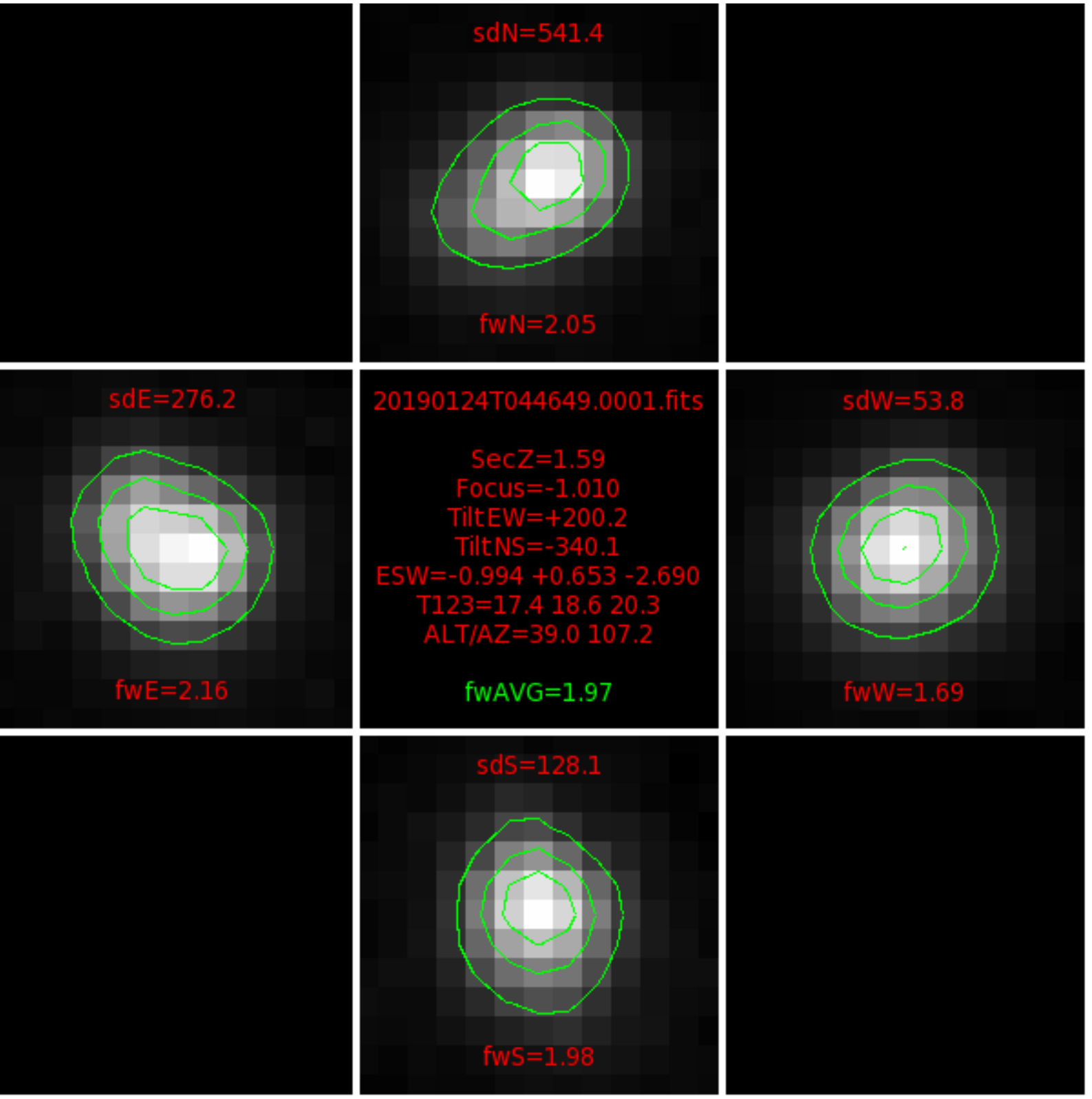
sdN=541.4
fwN=2.05
sdE=276.2
fwE=2.16
20190124T044649.0001.fits
SecZ=1.59
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.4 18.6 20.3
ALT/AZ=39.0 107.2
fwAVG=1.97
sdW=53.8
fwW=1.69
sdS=128.1
fwS=1.98
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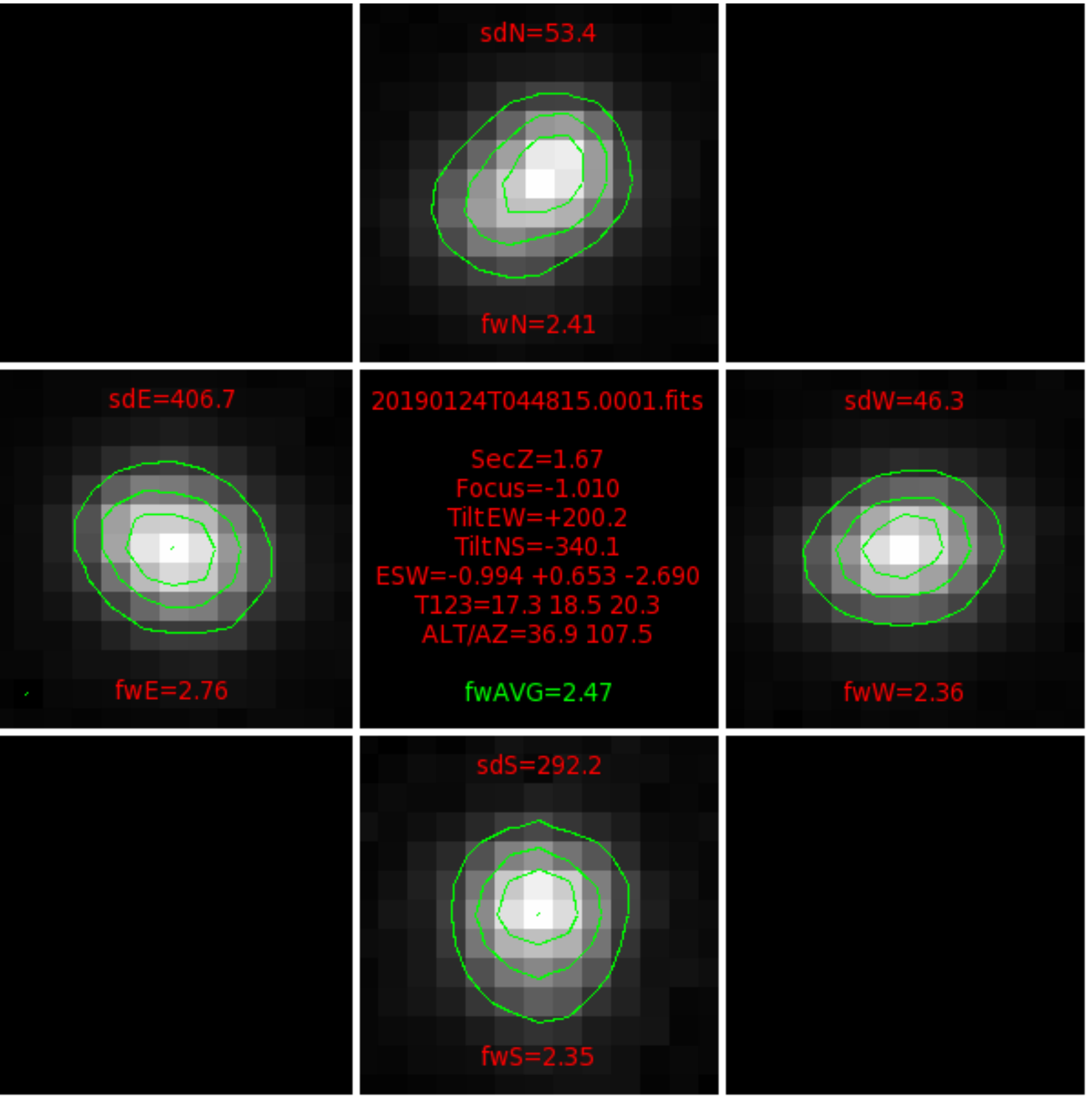
sdN=53.4
fwN=2.41
sdE=406.7
fwE=2.76
20190124T044815.0001.fits
SecZ=1.67
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.3 18.5 20.3
ALT/AZ=36.9 107.5
fwAVG=2.47
sdW=46.3
fwW=2.36
sdS=292.2
fwS=2.35
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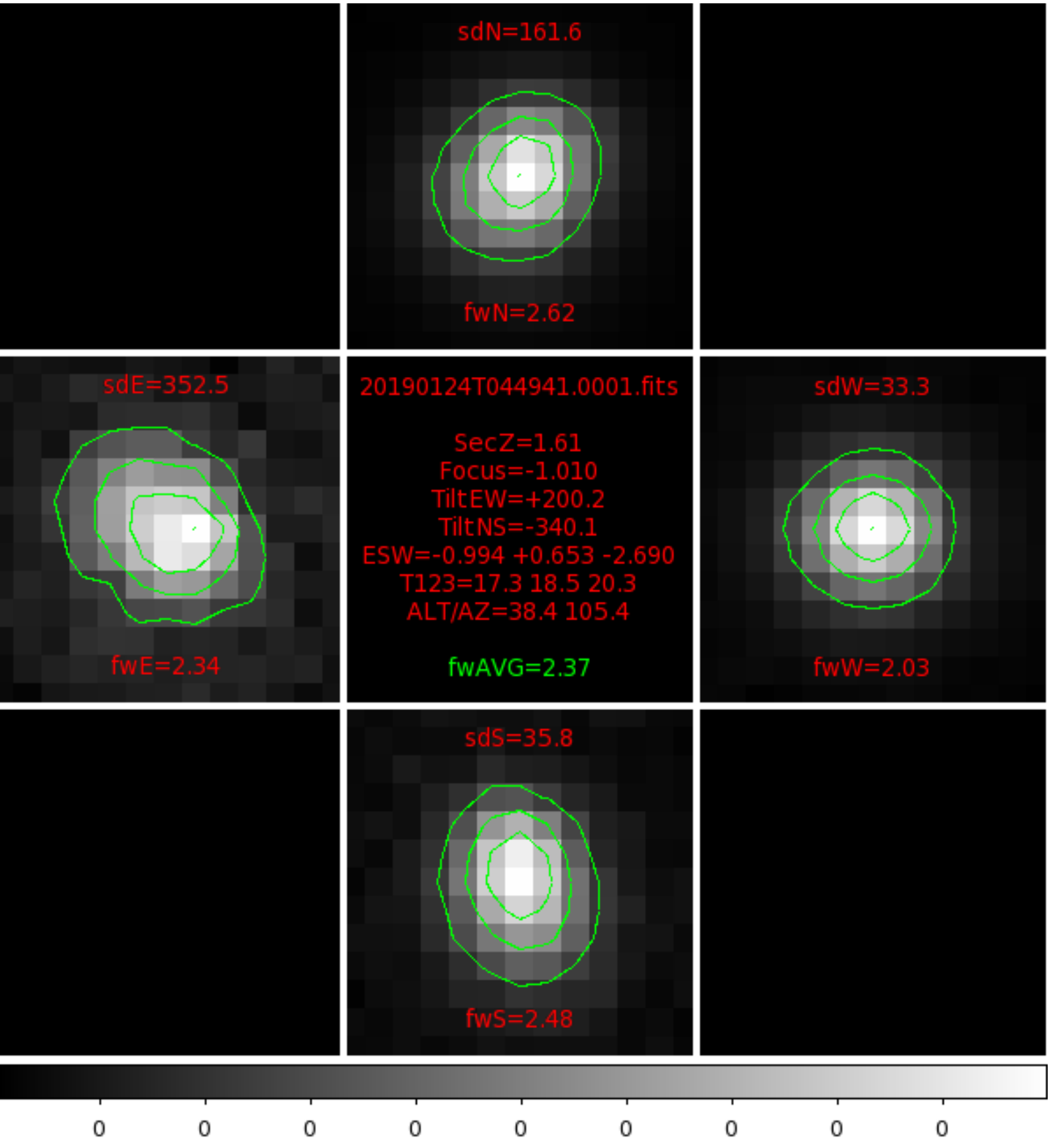
sdN=161.6
fwN=2.62
sdE=352.5
fwE=2.34
20190124T044941.0001.fits
SecZ=1.61
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.3 18.5 20.3
ALT/AZ=38.4 105.4
fwAVG=2.37
sdW=33.3
fwW=2.03
sdS=35.8
fwS=2.48
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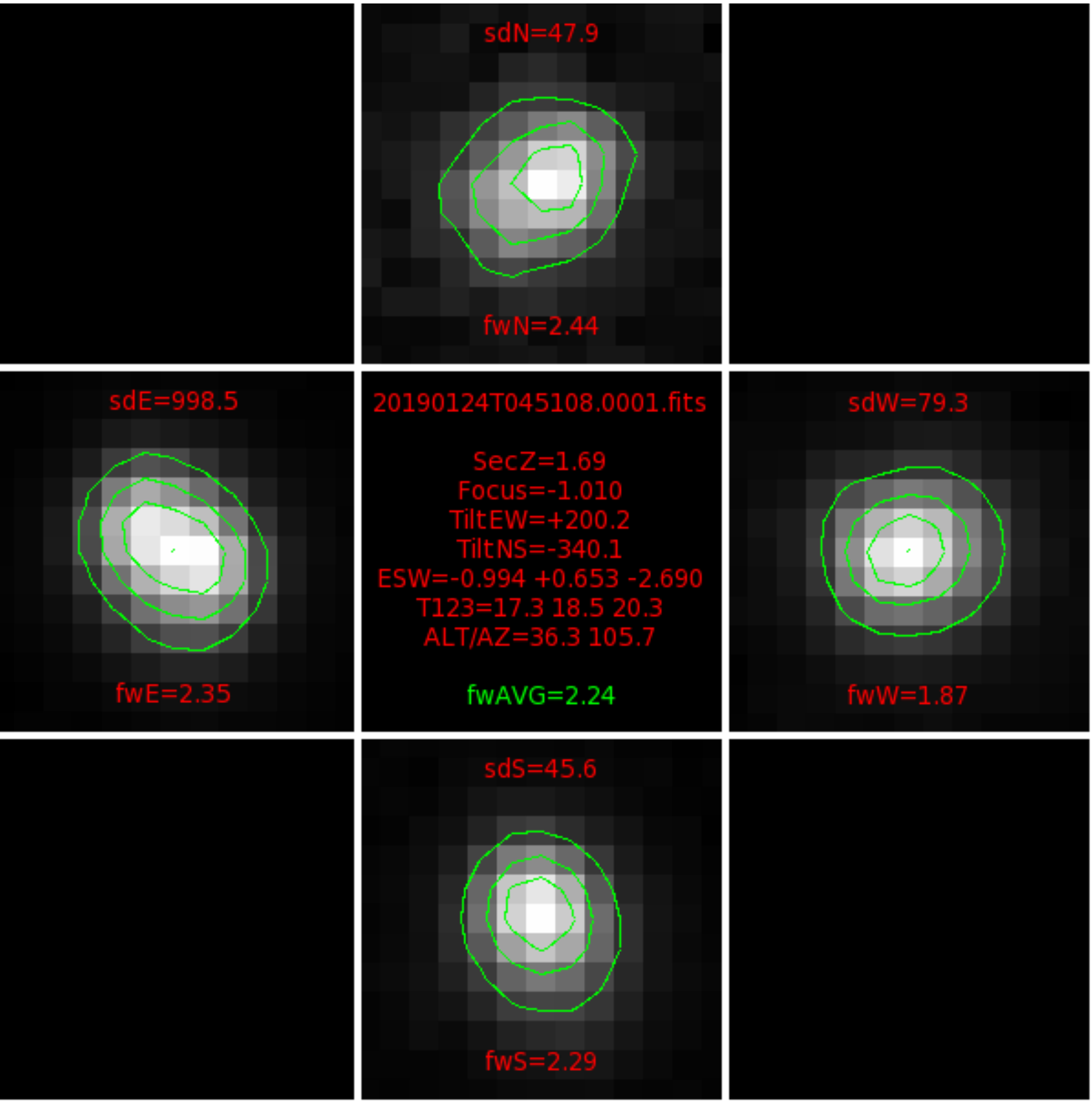
sdN=47.9
fwN=2.44
sdE=998.5
fwE=2.35
20190124T045108.0001.fits
SecZ=1.69
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.3 18.5 20.3
ALT/AZ=36.3 105.7
fwAVG=2.24
sdW=79.3
fwW=1.87
sdS=45.6
fwS=2.29
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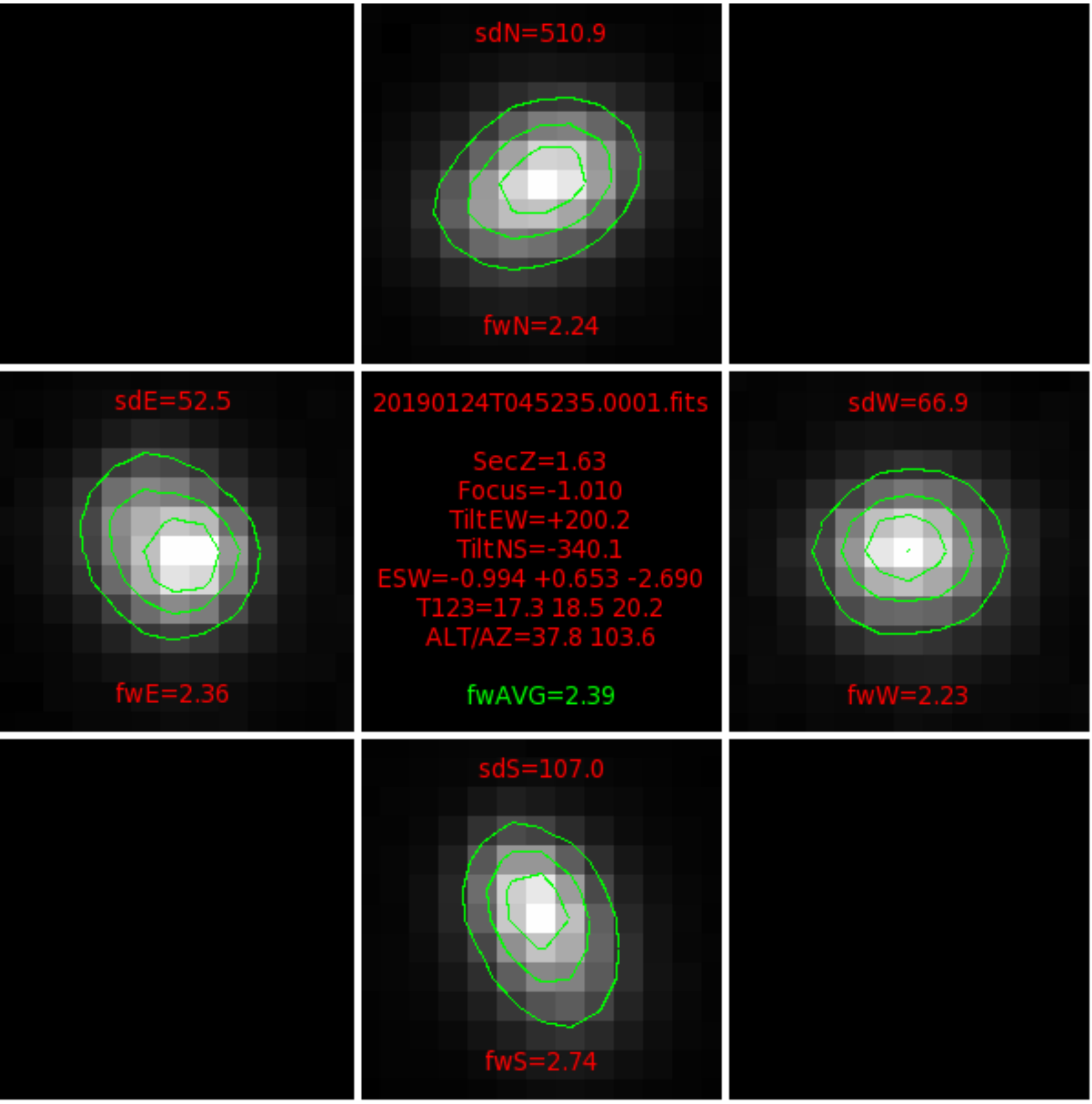
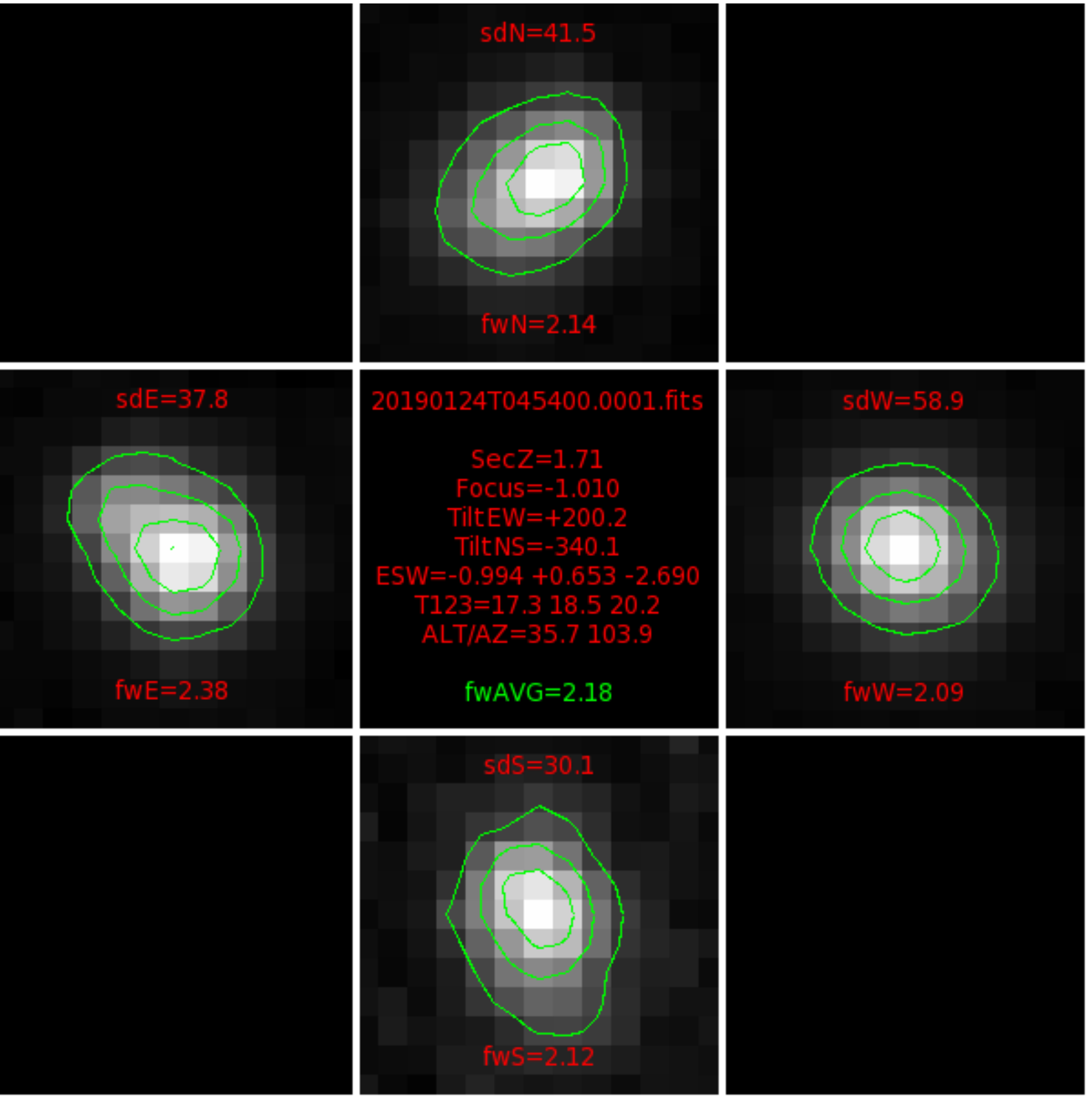

sdN=510.9
fwN=2.24
sdE=52.5
fwE=2.36
20190124T045235.0001.fits
SecZ=1.63
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.3 18.5 20.2
ALT/AZ=37.8 103.6
fwAVG=2.39
sdW=66.9
fwW=2.23
sdS=107.0
fwS=2.74
0 0 0 0 0 0 0 0 0


sdN=41.5
fwN=2.14
sdE=37.8
fwE=2.38
20190124T045400.0001.fits
SecZ=1.71
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.3 18.5 20.2
ALT/AZ=35.7 103.9
fwAVG=2.18
sdW=58.9
fwW=2.09
sdS=30.1
fwS=2.12
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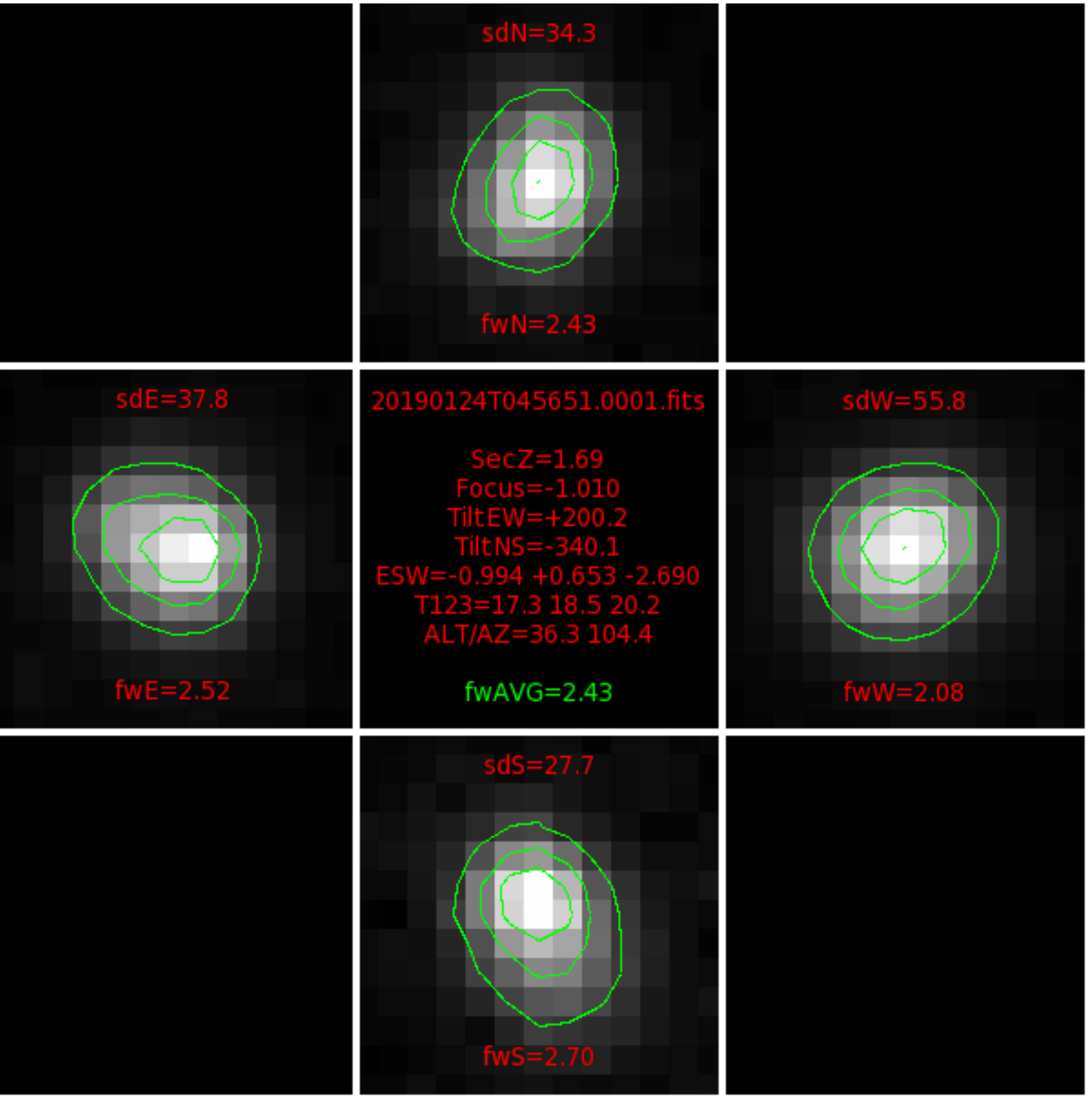
sdN=34.3
fwN=2.43
sdE=37.8
fwE=2.52
20190124T045651.0001.fits
SecZ=1.69
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.3 18.5 20.2
ALT/AZ=36.3 104.4
fwAVG=2.43
sdW=55.8
fwW=2.08
sdS=27.7
fwS=2.70
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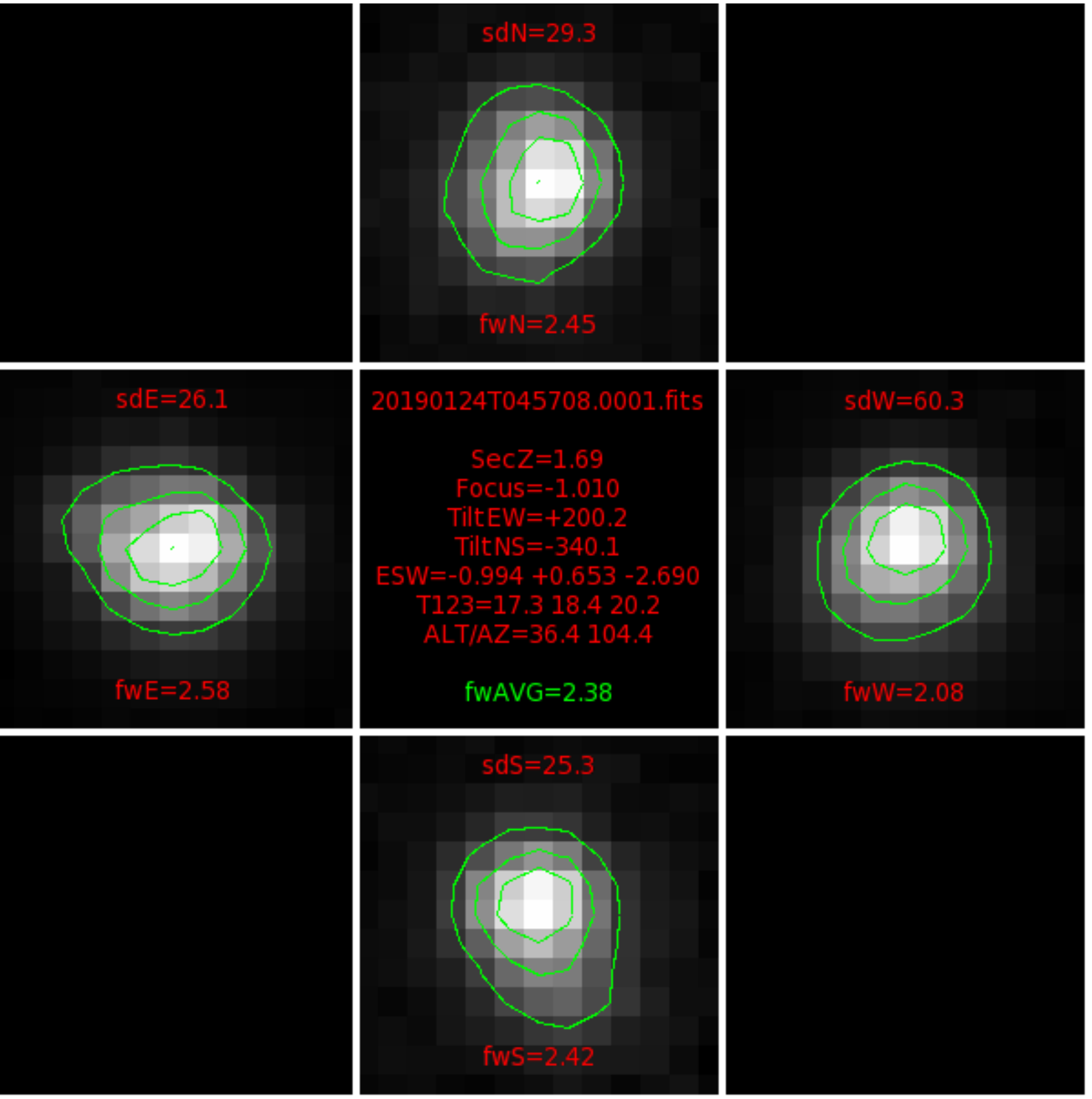
sdN=29.3
fwN=2.45
sdE=26.1
fwE=2.58
20190124T045708.0001.fits
SecZ=1.69
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.3 18.4 20.2
ALT/AZ=36.4 104.4
fwAVG=2.38
sdW=60.3
fwW=2.08
sdS=25.3
fwS=2.42
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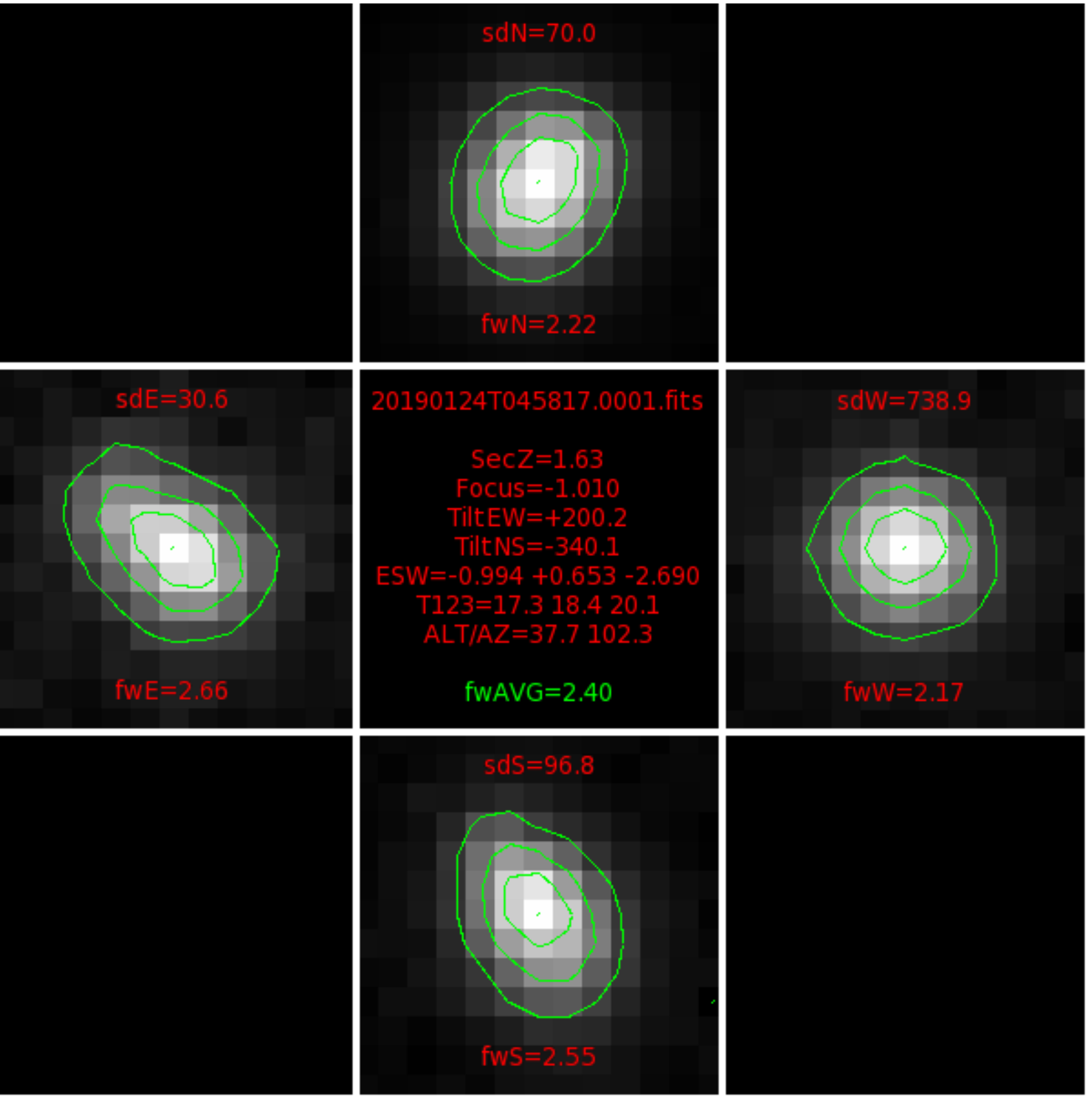
sdN=70.0
fwN=2.22
sdE=30.6
fwE=2.66
20190124T045817.0001.fits
SecZ=1.63
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.3 18.4 20.1
ALT/AZ=37.7 102.3
fwAVG=2.40
sdW=738.9
fwW=2.17
sdS=96.8
fwS=2.55
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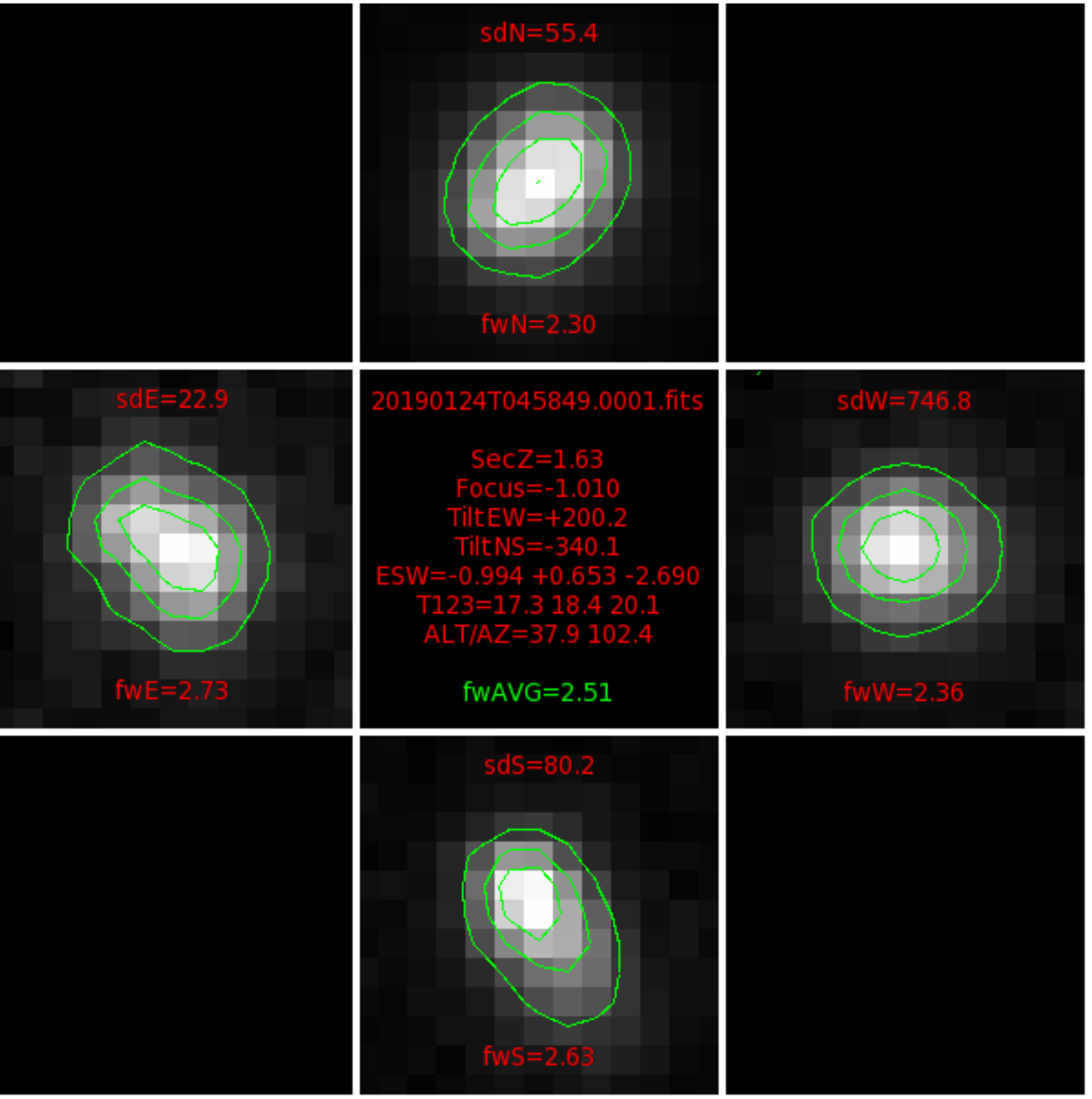
sdN=55.4
fwN=2.30
sdE=22.9
fwE=2.73
20190124T045849.0001.fits
SecZ=1.63
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.3 18.4 20.1
ALT/AZ=37.9 102.4
fwAVG=2.51
sdW=746.8
fwW=2.36
sdS=80.2
fwS=2.63
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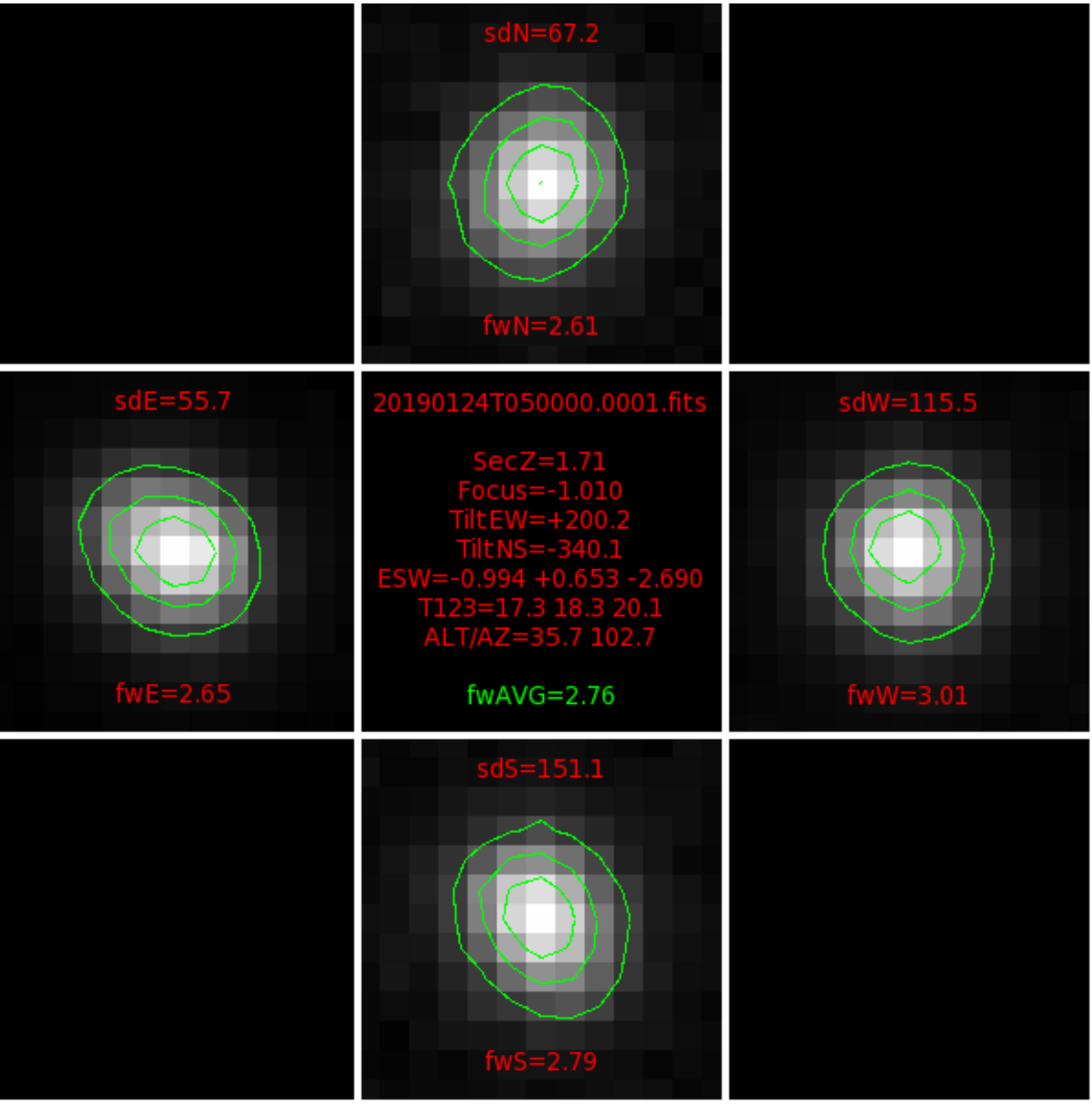
sdN=67.2
fwN=2.61
sdE=55.7
fwE=2.65
20190124T050000.0001.fits
SecZ=1.71
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.3 18.3 20.1
ALT/AZ=35.7 102.7
fwAVG=2.76
sdW=115.5
fwW=3.01
sdS=151.1
fwS=2.79
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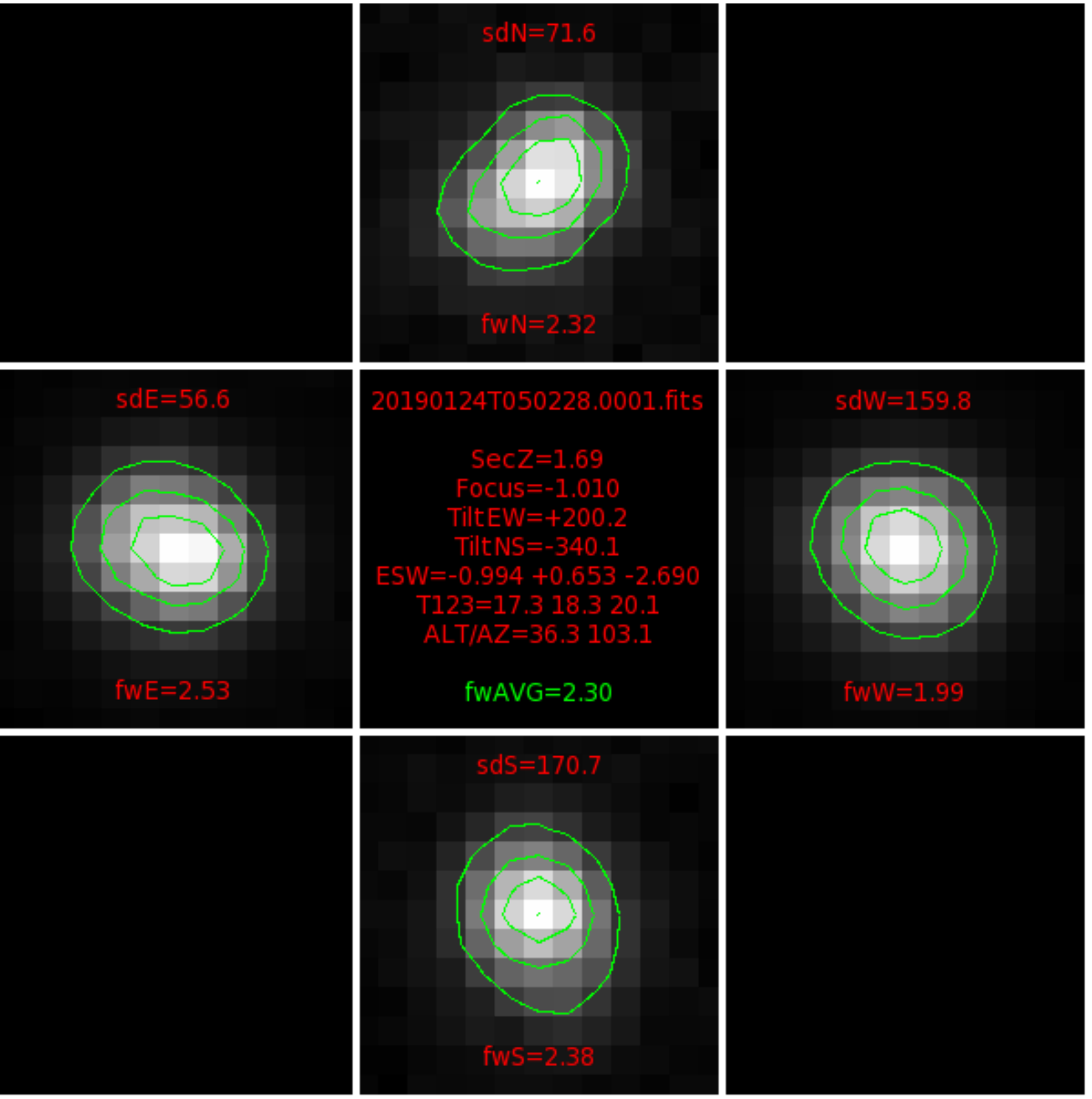
sdN=71.6
fwN=2.32
sdE=56.6
fwE=2.53
20190124T050228.0001.fits
SecZ=1.69
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.3 18.3 20.1
ALT/AZ=36.3 103.1
fwAVG=2.30
sdW=159.8
fwW=1.99
sdS=170.7
fwS=2.38
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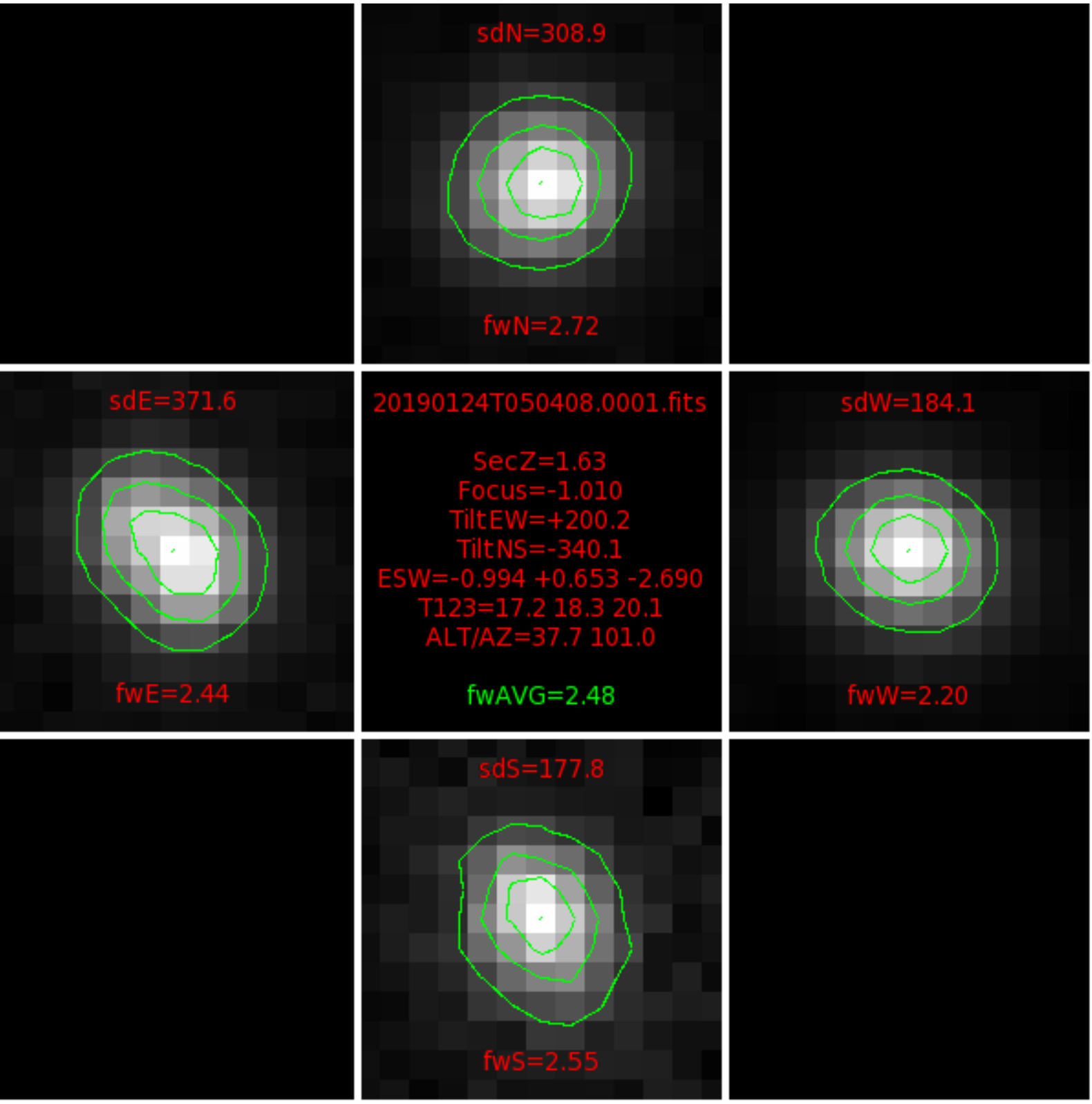
sdN=308.9
fwN=2.72
sdE=371.6
fwE=2.44
20190124T050408.0001.fits
SecZ=1.63
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.2 18.3 20.1
ALT/AZ=37.7 101.0
fwAVG=2.48
sdW=184.1
fwW=2.20
sdS=177.8
fwS=2.55
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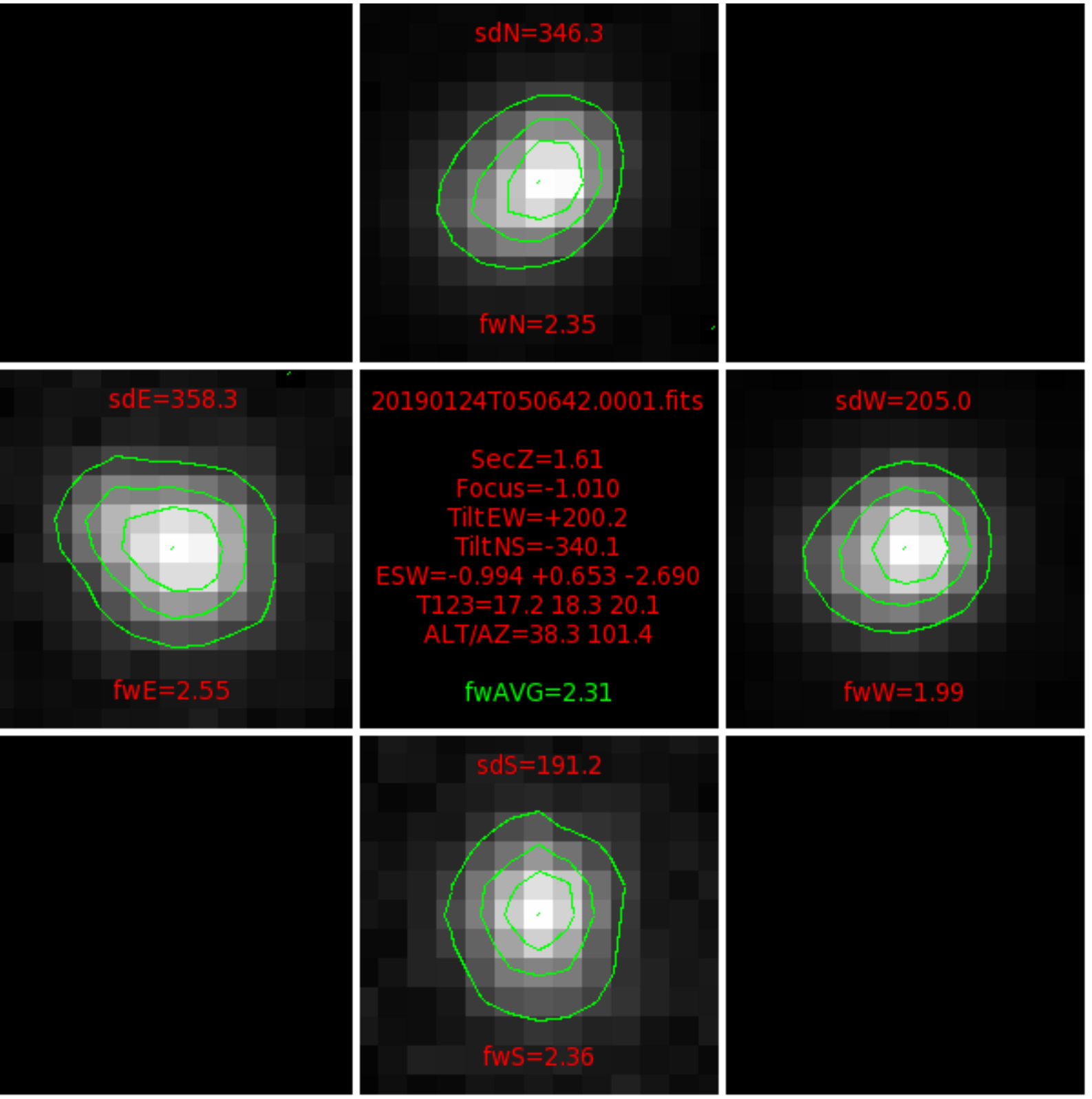
sdN=346.3
fwN=2.35
sdE=358.3
fwE=2.55
20190124T050642.0001.fits
SecZ=1.61
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.2 18.3 20.1
ALT/AZ=38.3 101.4
fwAVG=2.31
sdW=205.0
fwW=1.99
sdS=191.2
fwS=2.36
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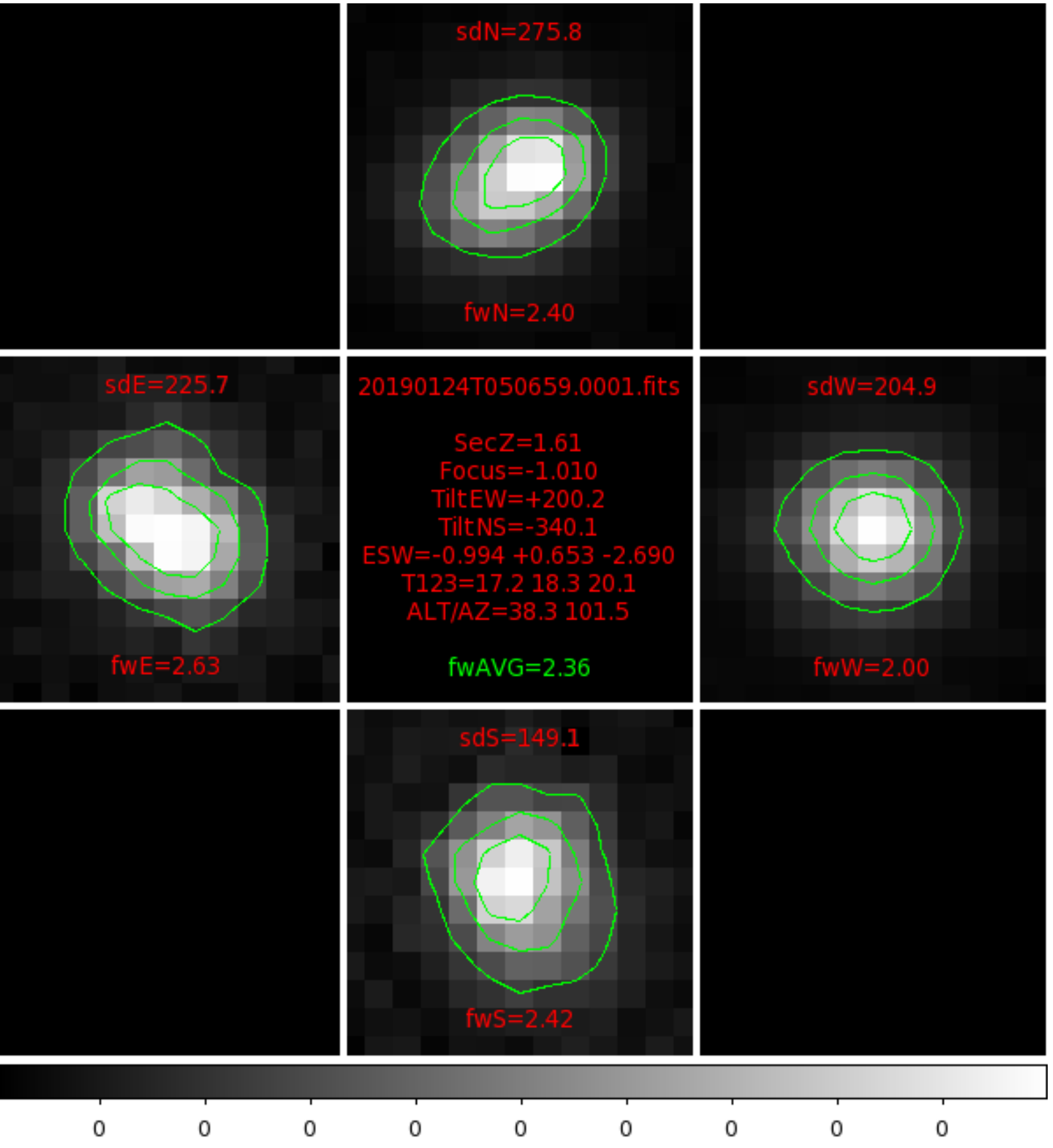
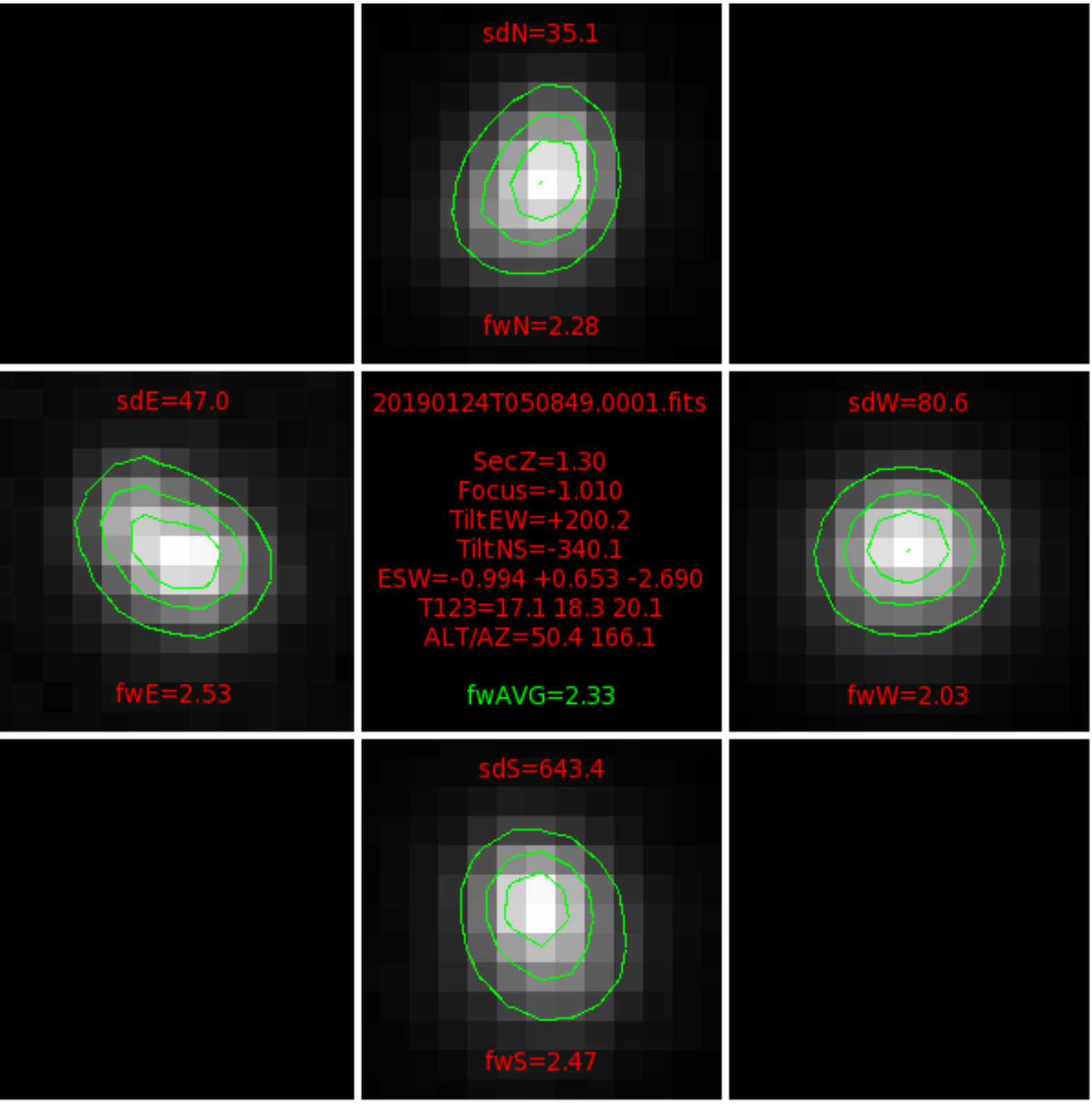

sdN=275.8
fwN=2.40
sdE=225.7
fwE=2.63
20190124T050659.0001.fits
SecZ=1.61
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.2 18.3 20.1
ALT/AZ=38.3 101.5
fwAVG=2.36
sdW=204.9
fwW=2.00
sdS=149.1
fwS=2.42
0 0 0 0 0 0 0 0 0


sdN=35.1
fwN=2.28
sdE=47.0
fwE=2.53
20190124T050849.0001.fits
SecZ=1.30
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.3 20.1
ALT/AZ=50.4 166.1
fwAVG=2.33
sdW=80.6
fwW=2.03
sdS=643.4
fwS=2.47
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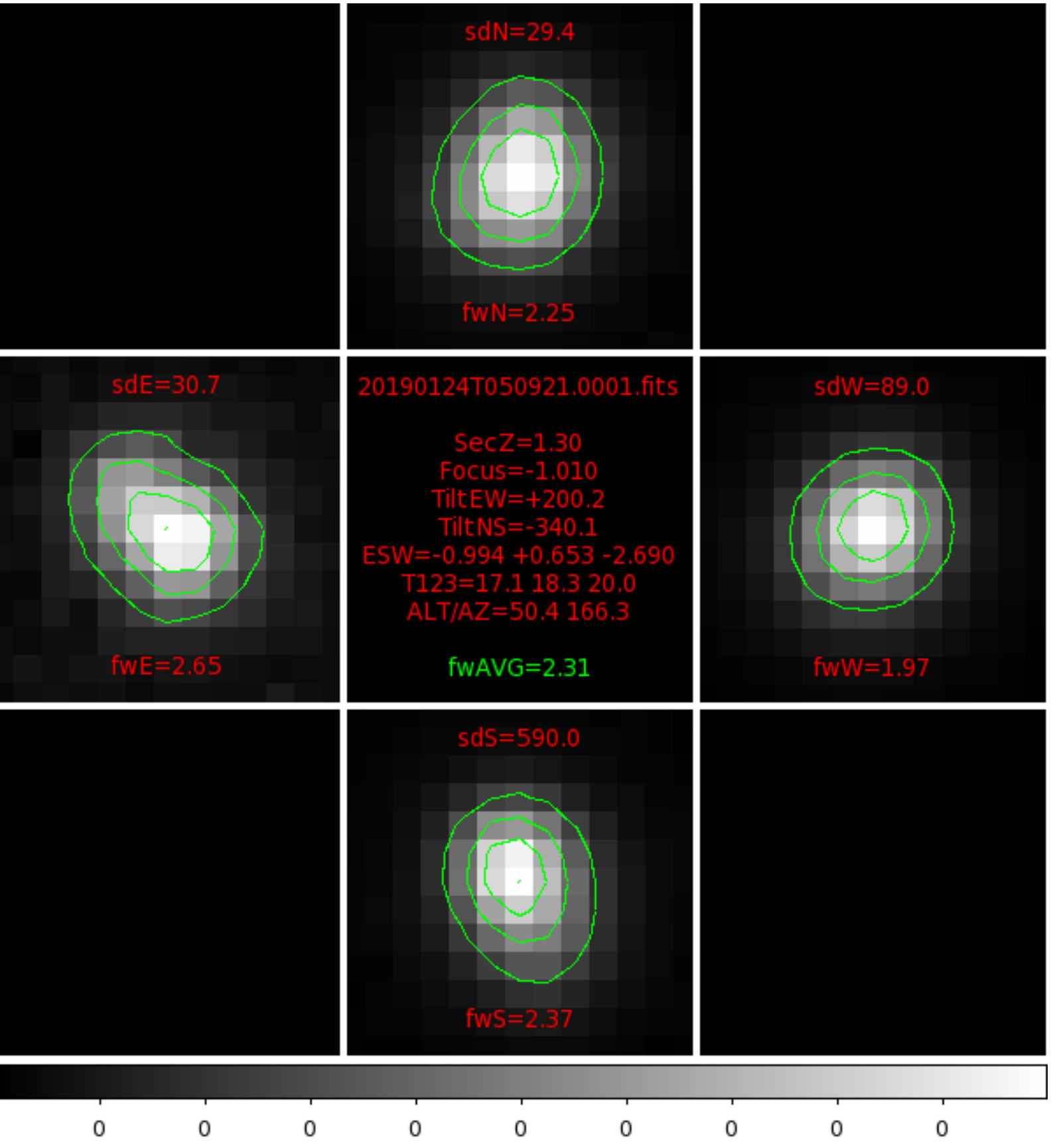
sdN=29.4
fwN=2.25
sdE=30.7
fwE=2.65
20190124T050921.0001.fits
SecZ=1.30
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.3 20.0
ALT/AZ=50.4 166.3
fwAVG=2.31
sdW=89.0
fwW=1.97
sdS=590.0
fwS=2.37
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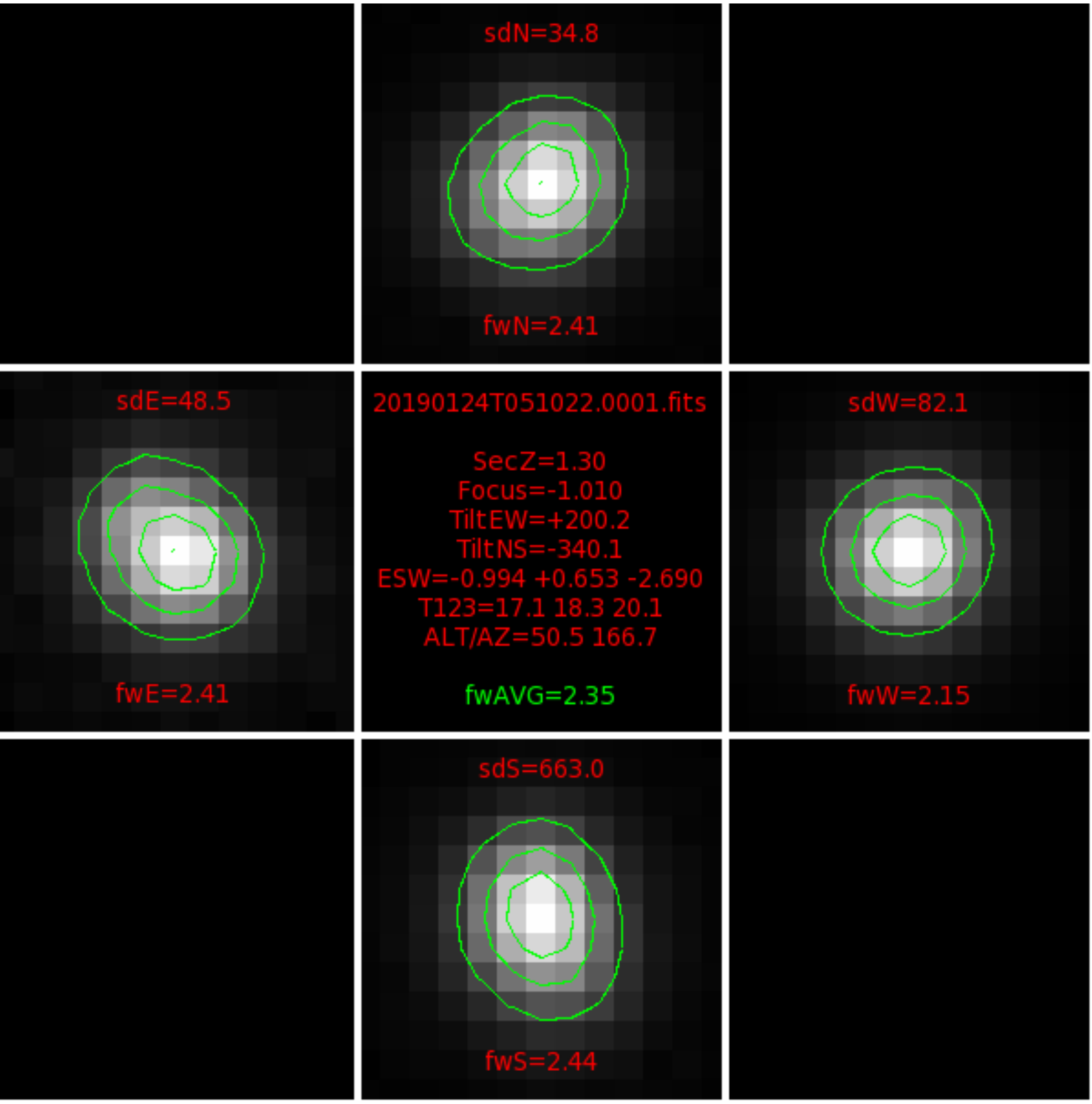
sdN=34.8
fwN=2.41
sdE=48.5
fwE=2.41
20190124T051022.0001.fits
SecZ=1.30
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.3 20.1
ALT/AZ=50.5 166.7
fwAVG=2.35
sdW=82.1
fwW=2.15
sdS=663.0
fwS=2.44
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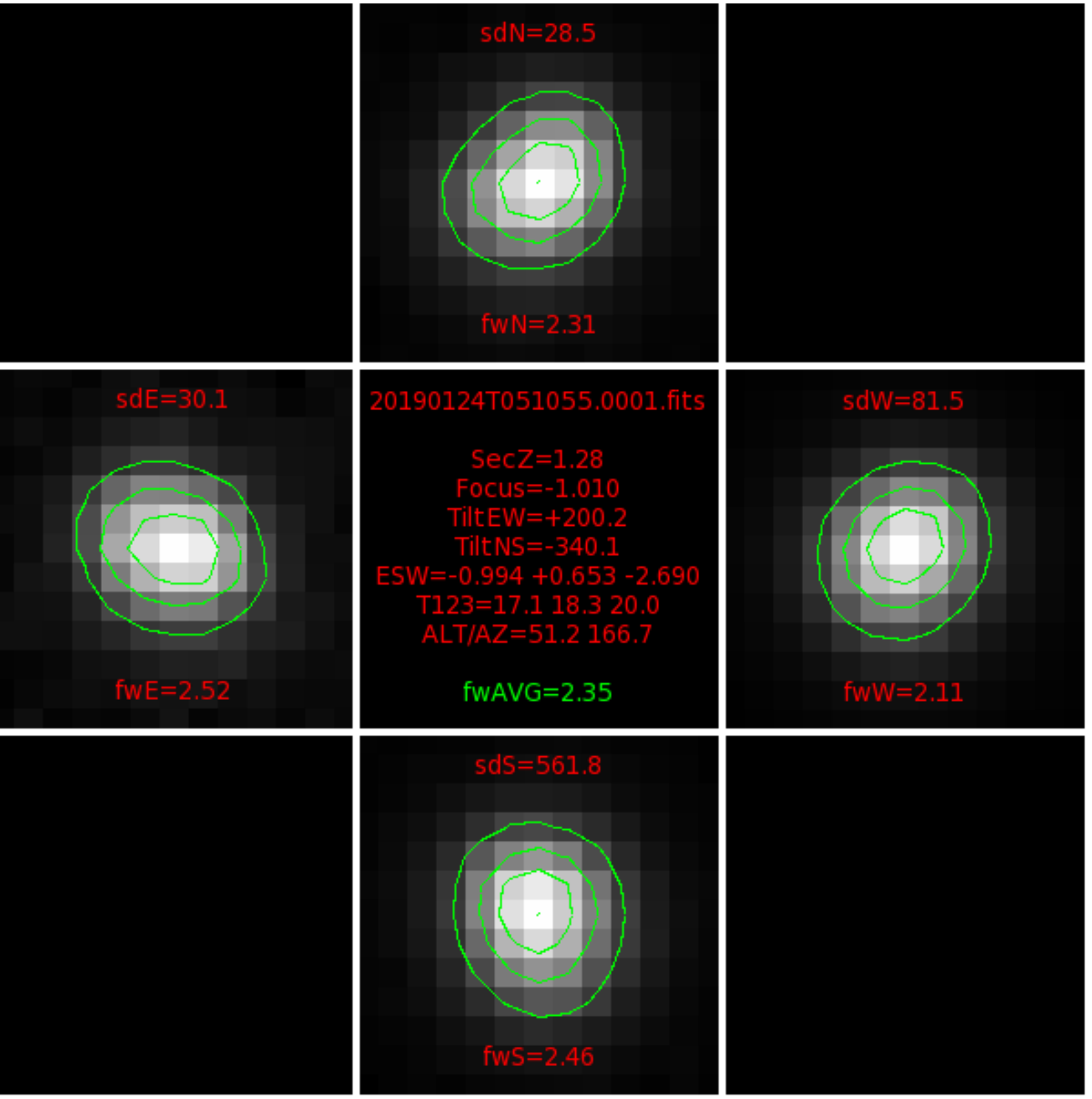
sdN=28.5
fwN=2.31
sdE=30.1
fwE=2.52
20190124T051055.0001.fits
SecZ=1.28
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.3 20.0
ALT/AZ=51.2 166.7
fwAVG=2.35
sdW=81.5
fwW=2.11
sdS=561.8
fwS=2.46
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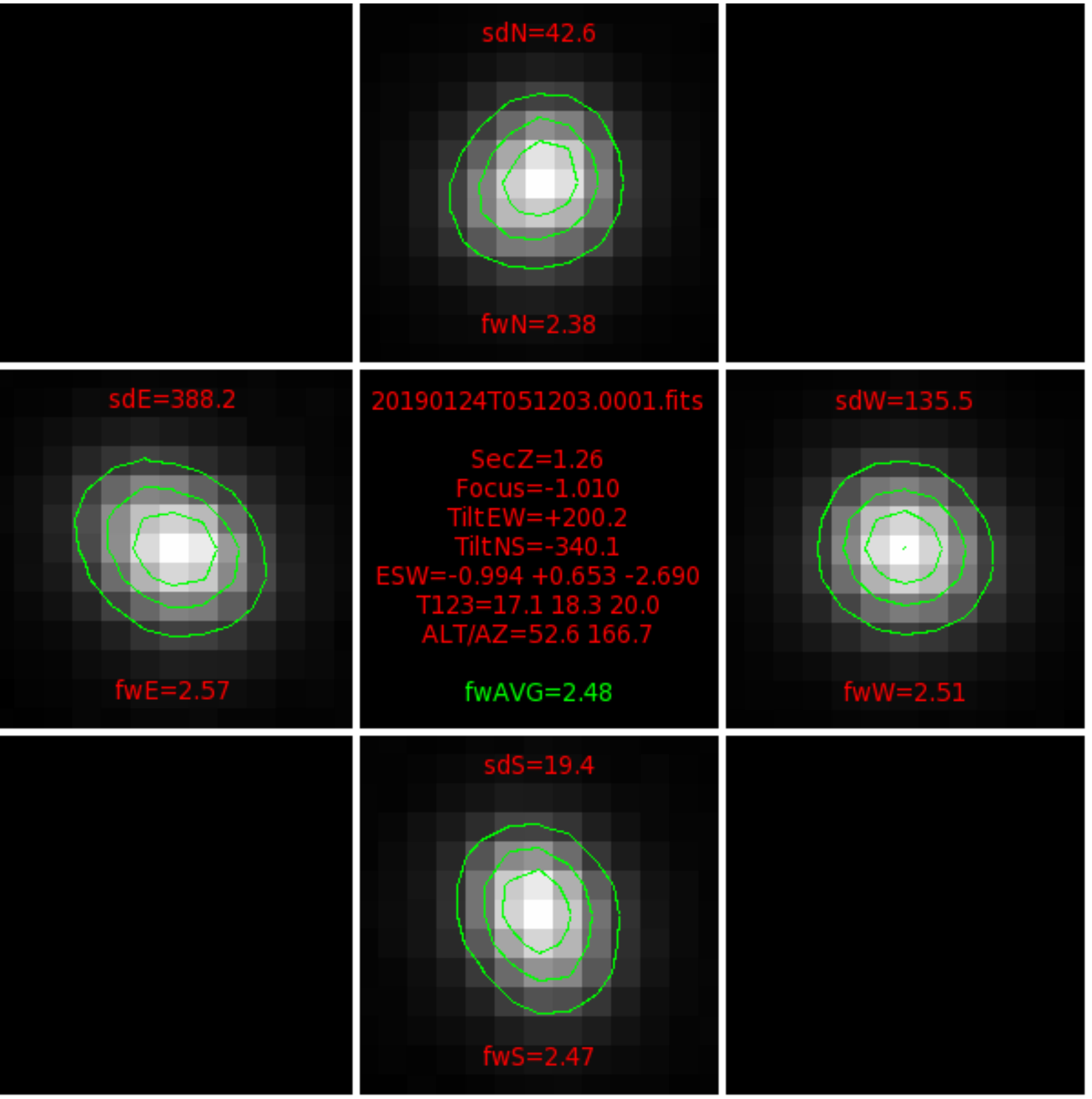
sdN=42.6
fwN=2.38
sdE=388.2
fwE=2.57
20190124T051203.0001.fits
SecZ=1.26
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.3 20.0
ALT/AZ=52.6 166.7
fwAVG=2.48
sdW=135.5
fwW=2.51
sdS=19.4
fwS=2.47
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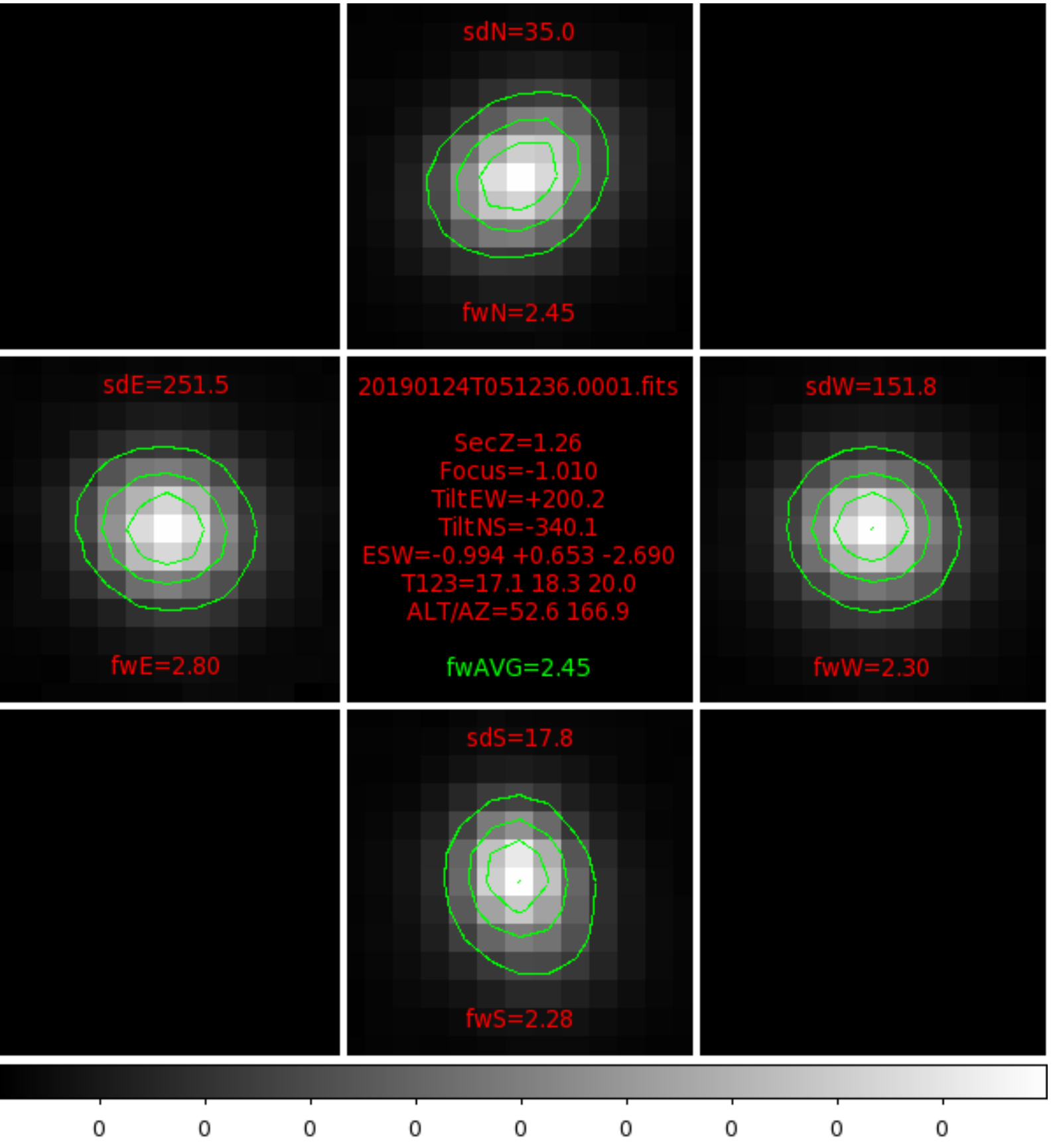
sdN=35.0
fwN=2.45
sdE=251.5
fwE=2.80
20190124T051236.0001.fits
SecZ=1.26
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.3 20.0
ALT/AZ=52.6 166.9
fwAVG=2.45
sdW=151.8
fwW=2.30
sdS=17.8
fwS=2.28
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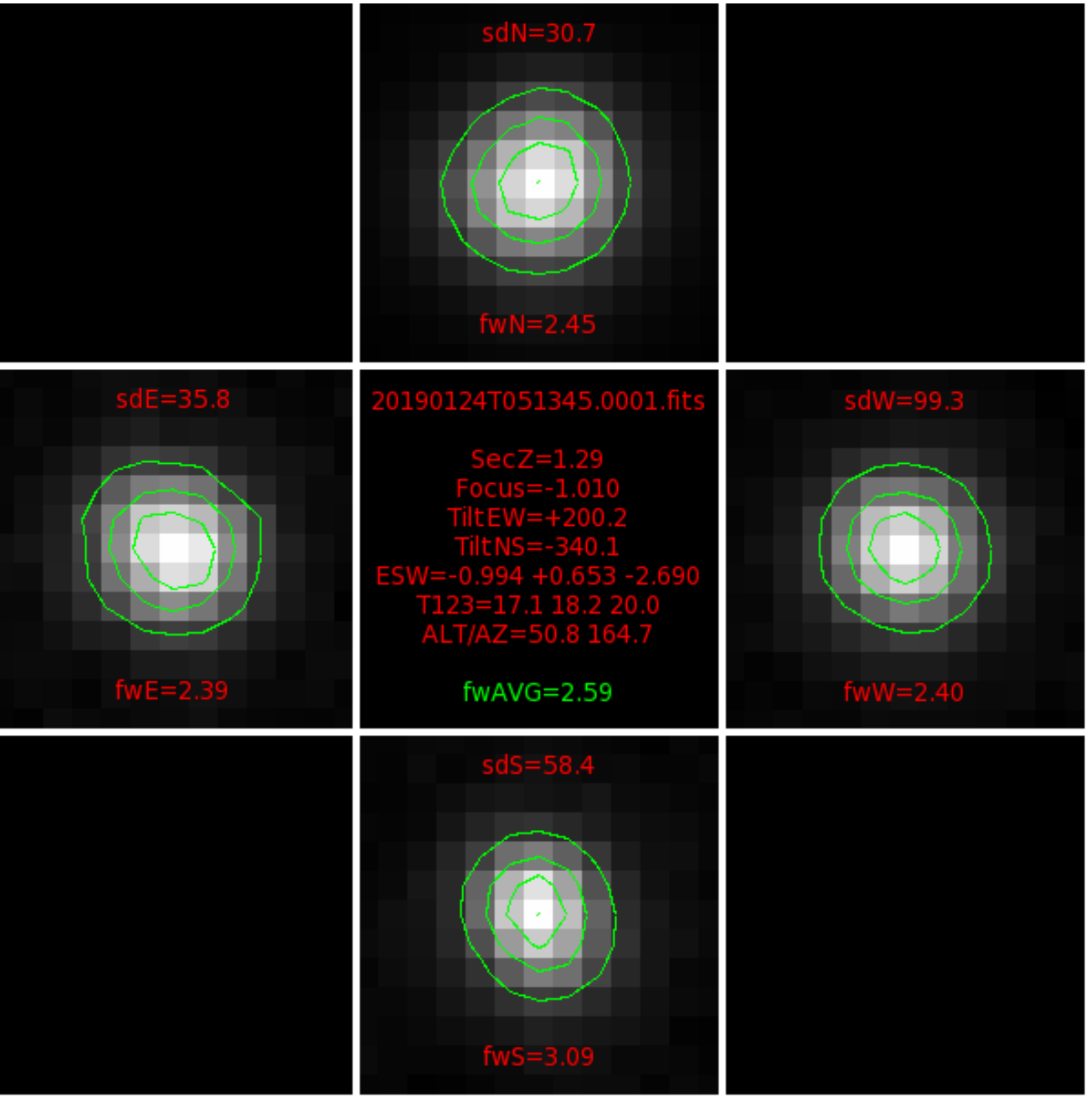
sdN=30.7
fwN=2.45
sdE=35.8
fwE=2.39
20190124T051345.0001.fits
SecZ=1.29
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.2 20.0
ALT/AZ=50.8 164.7
fwAVG=2.59
sdW=99.3
fwW=2.40
sdS=58.4
fwS=3.09
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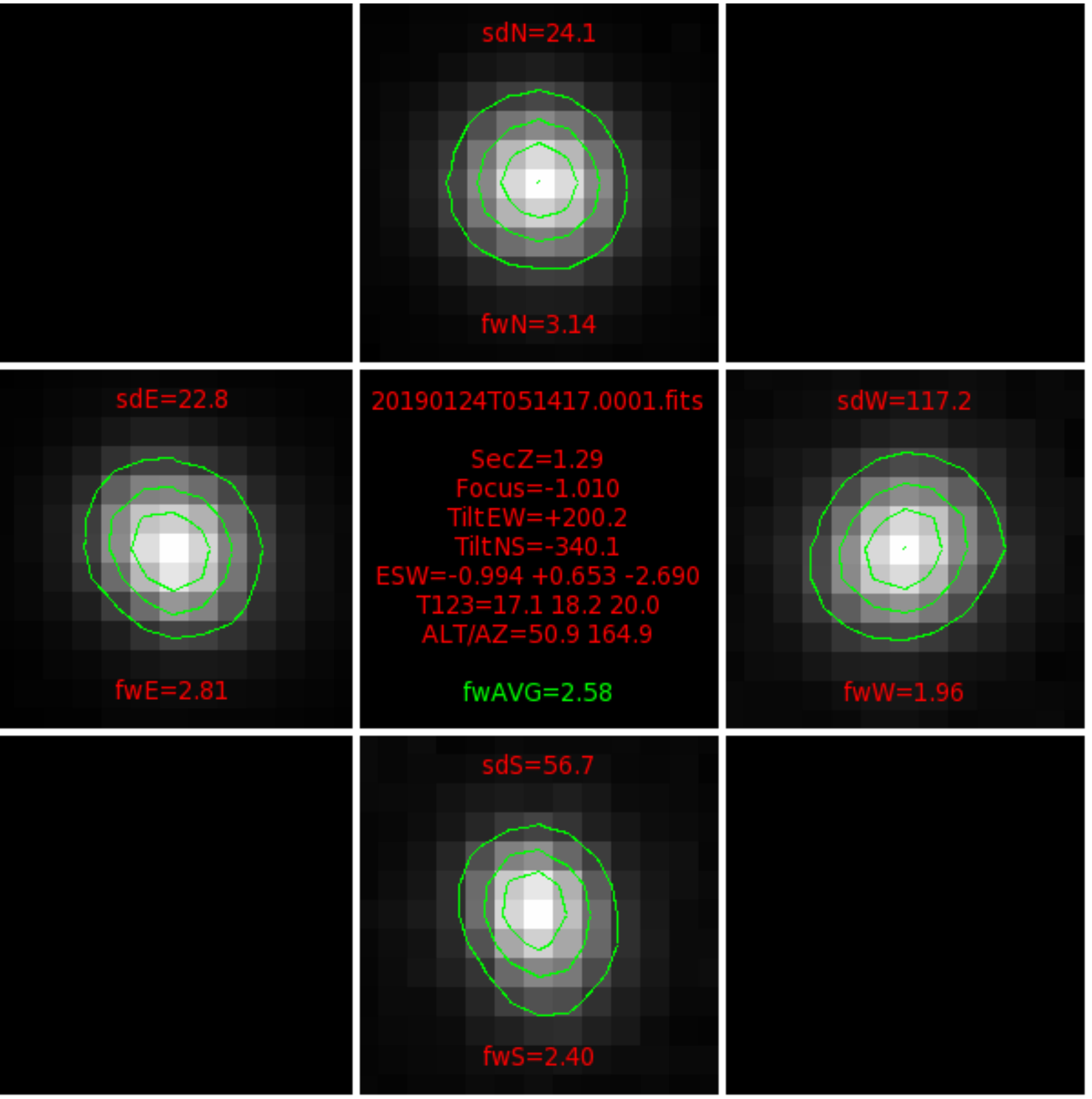
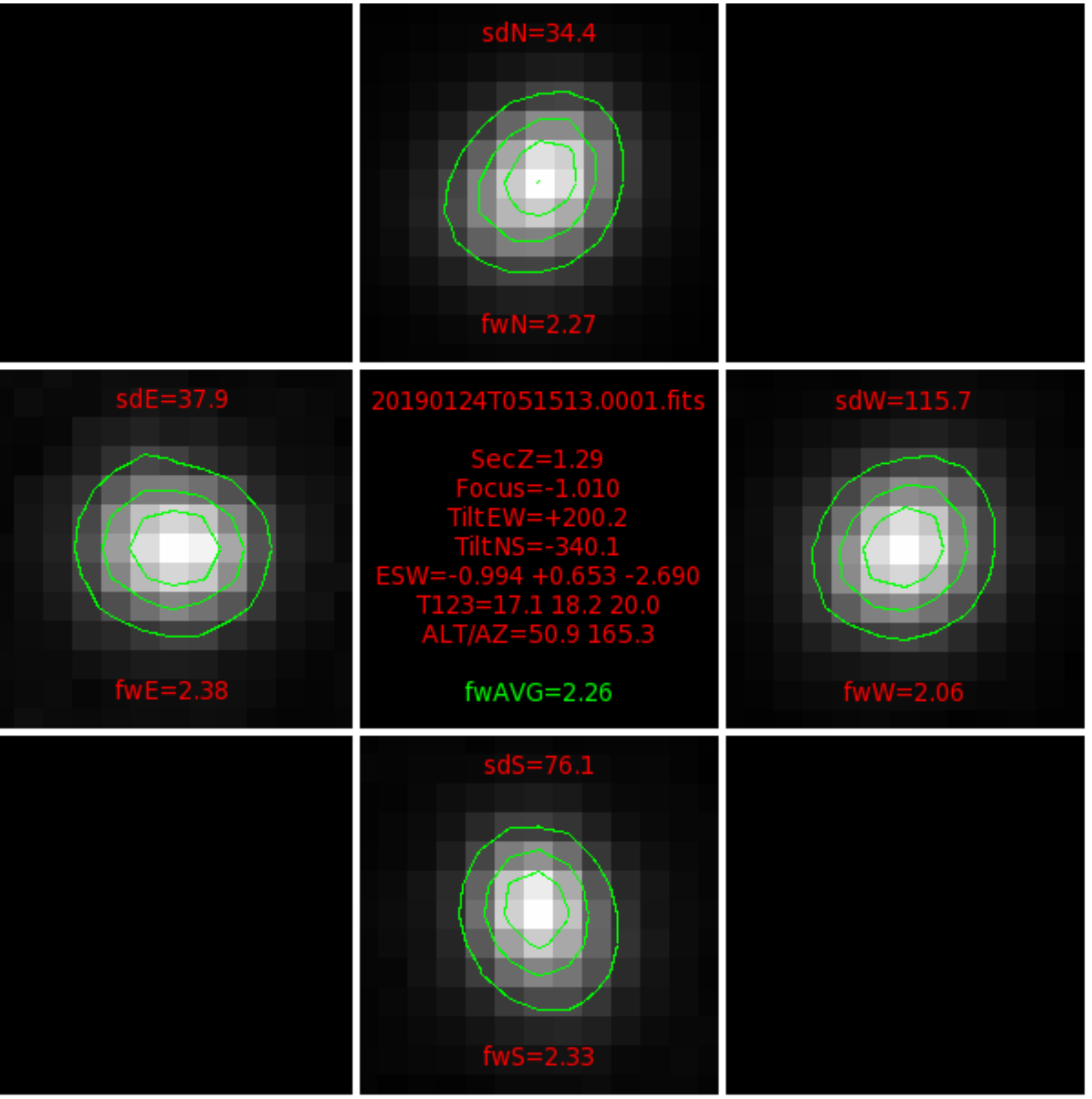

sdN=24.1
fwN=3.14
sdE=22.8
fwE=2.81
20190124T051417.0001.fits
SecZ=1.29
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.2 20.0
ALT/AZ=50.9 164.9
fwAVG=2.58
sdW=117.2
fwW=1.96
sdS=56.7
fwS=2.40
0 0 0 0 0 0 0 0 0


sdN=34.4
fwN=2.27
sdE=37.9
fwE=2.38
20190124T051513.0001.fits
SecZ=1.29
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.2 20.0
ALT/AZ=50.9 165.3
fwAVG=2.26
sdW=115.7
fwW=2.06
sdS=76.1
fwS=2.33
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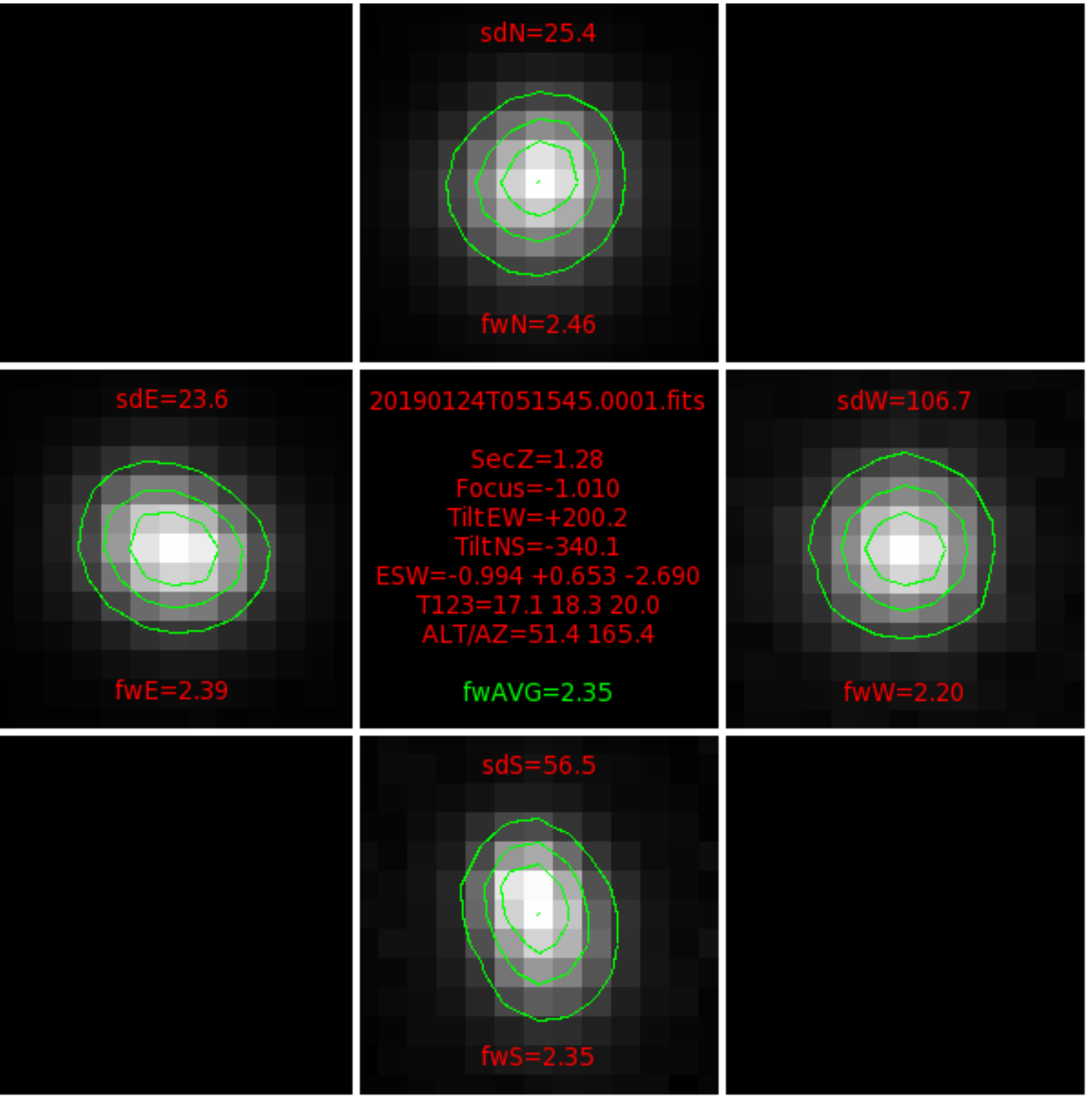
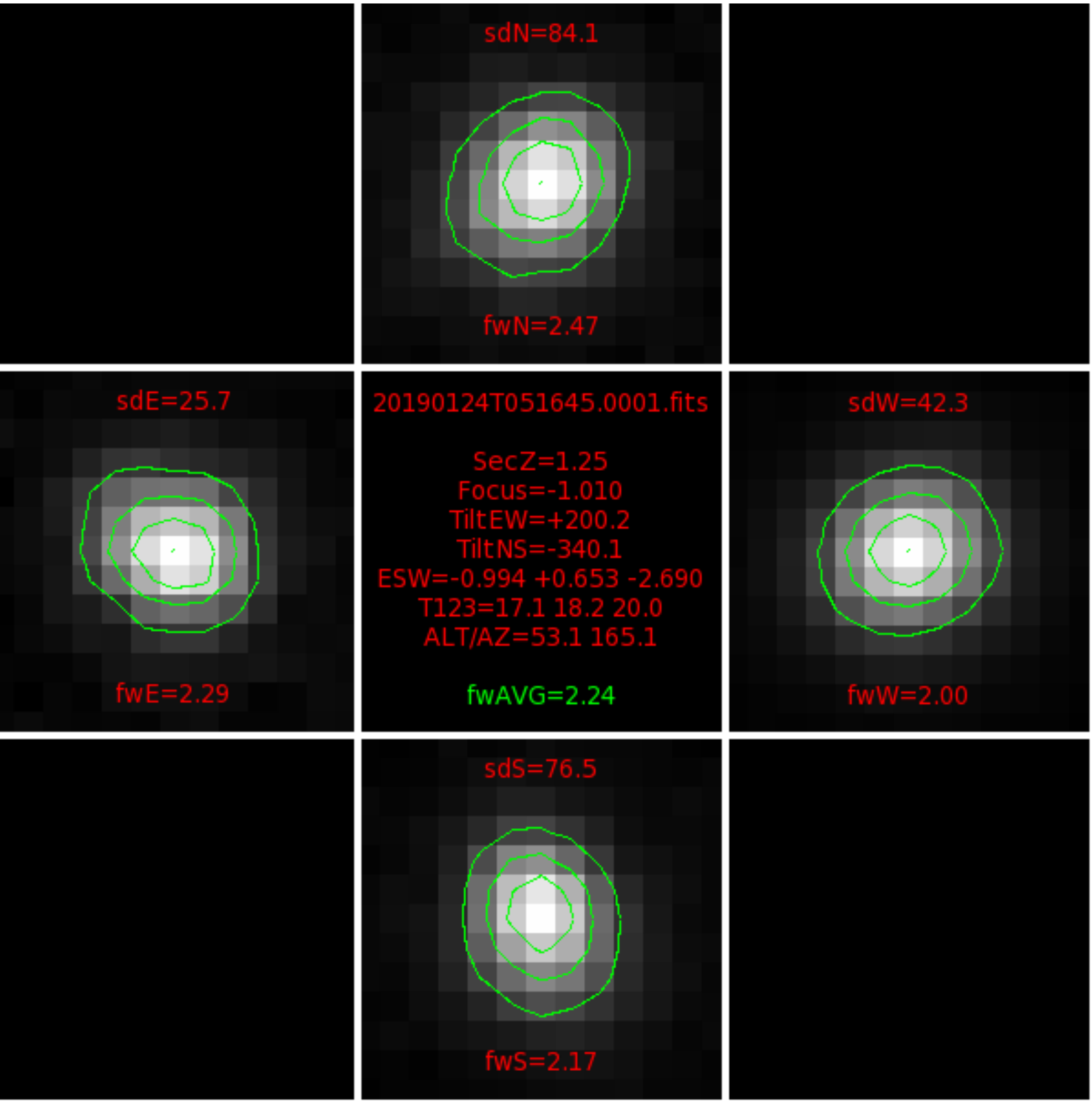

sdN=25.4
fwN=2.46
sdE=23.6
fwE=2.39
20190124T051545.0001.fits
SecZ=1.28
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.3 20.0
ALT/AZ=51.4 165.4
fwAVG=2.35
sdW=106.7
fwW=2.20
sdS=56.5
fwS=2.35
0 0 0 0 0 0 0 0 0


sdN=84.1
fwN=2.47
sdE=25.7
fwE=2.29
20190124T051645.0001.fits
SecZ=1.25
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.2 20.0
ALT/AZ=53.1 165.1
fwAVG=2.24
sdW=42.3
fwW=2.00
sdS=76.5
fwS=2.17
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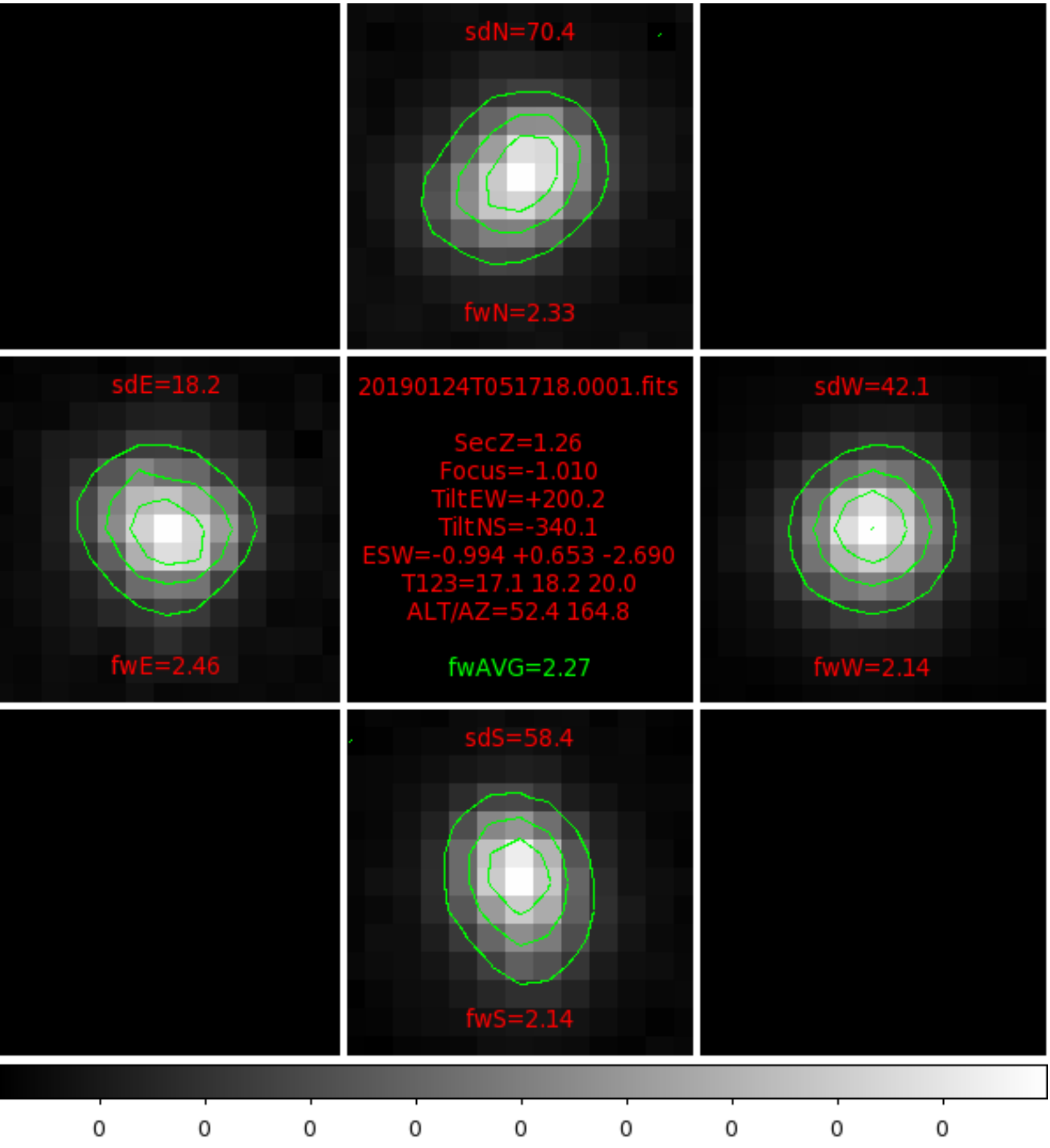
sdN=70.4
fwN=2.33
sdE=18.2
fwE=2.46
20190124T051718.0001.fits
SecZ=1.26
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.2 20.0
ALT/AZ=52.4 164.8
fwAVG=2.27
sdW=42.1
fwW=2.14
sdS=58.4
fwS=2.14
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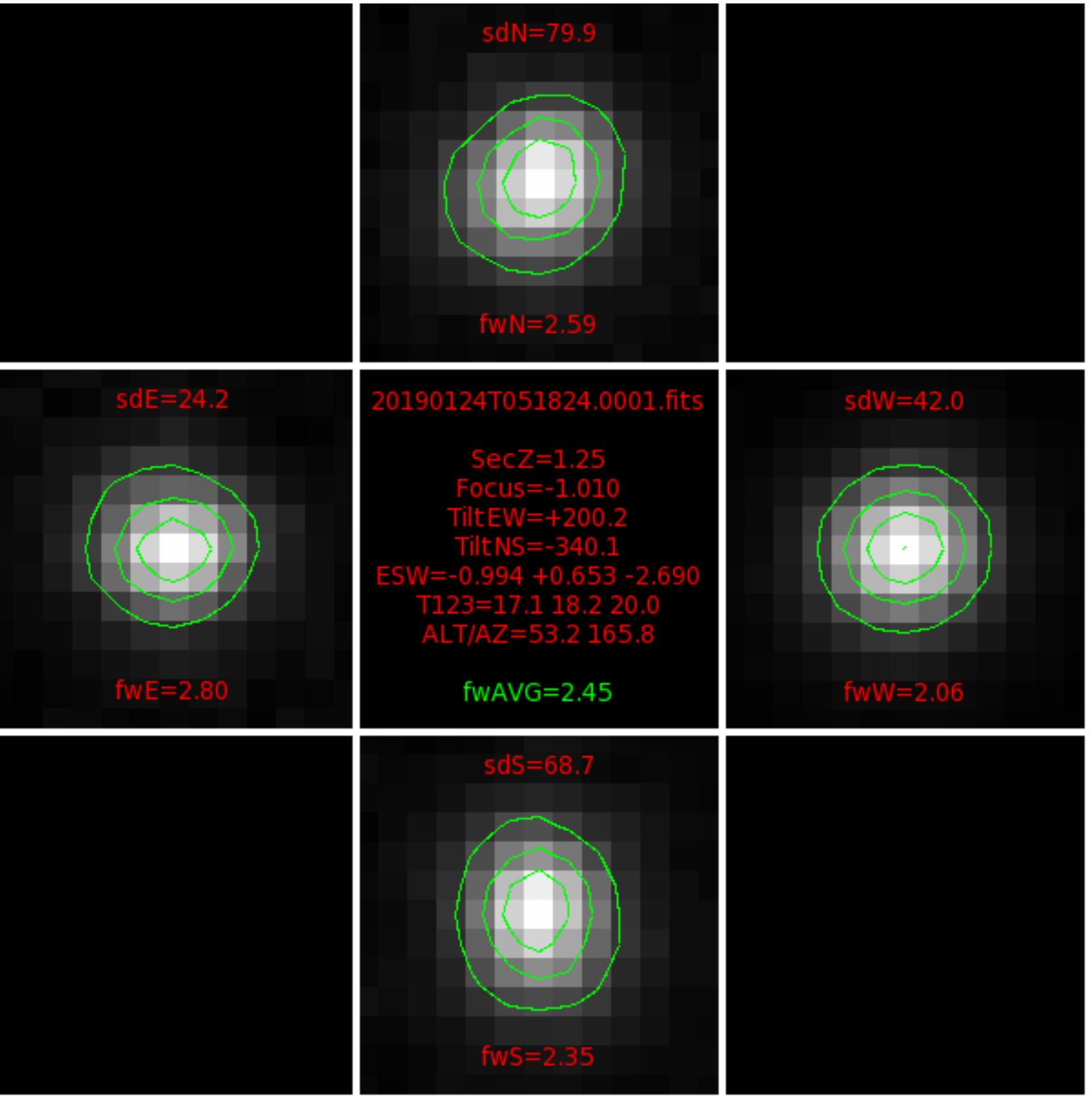
sdN=79.9
fwN=2.59
sdE=24.2
fwE=2.80
20190124T051824.0001.fits
SecZ=1.25
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.2 20.0
ALT/AZ=53.2 165.8
fwAVG=2.45
sdW=42.0
fwW=2.06
sdS=68.7
fwS=2.35
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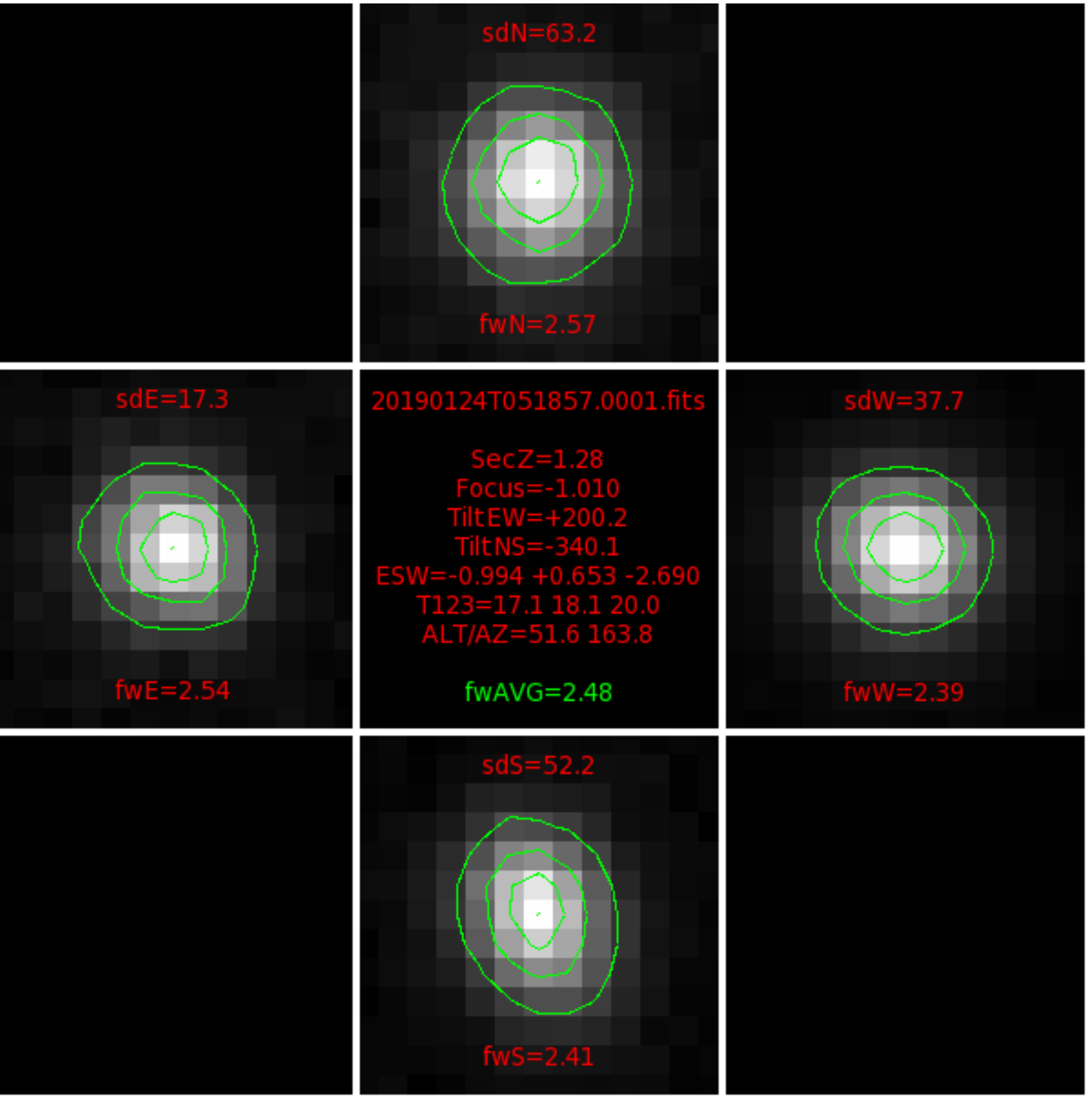
sdN=63.2
fwN=2.57
sdE=17.3
fwE=2.54
20190124T051857.0001.fits
SecZ=1.28
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.1 20.0
ALT/AZ=51.6 163.8
fwAVG=2.48
sdW=37.7
fwW=2.39
sdS=52.2
fwS=2.41
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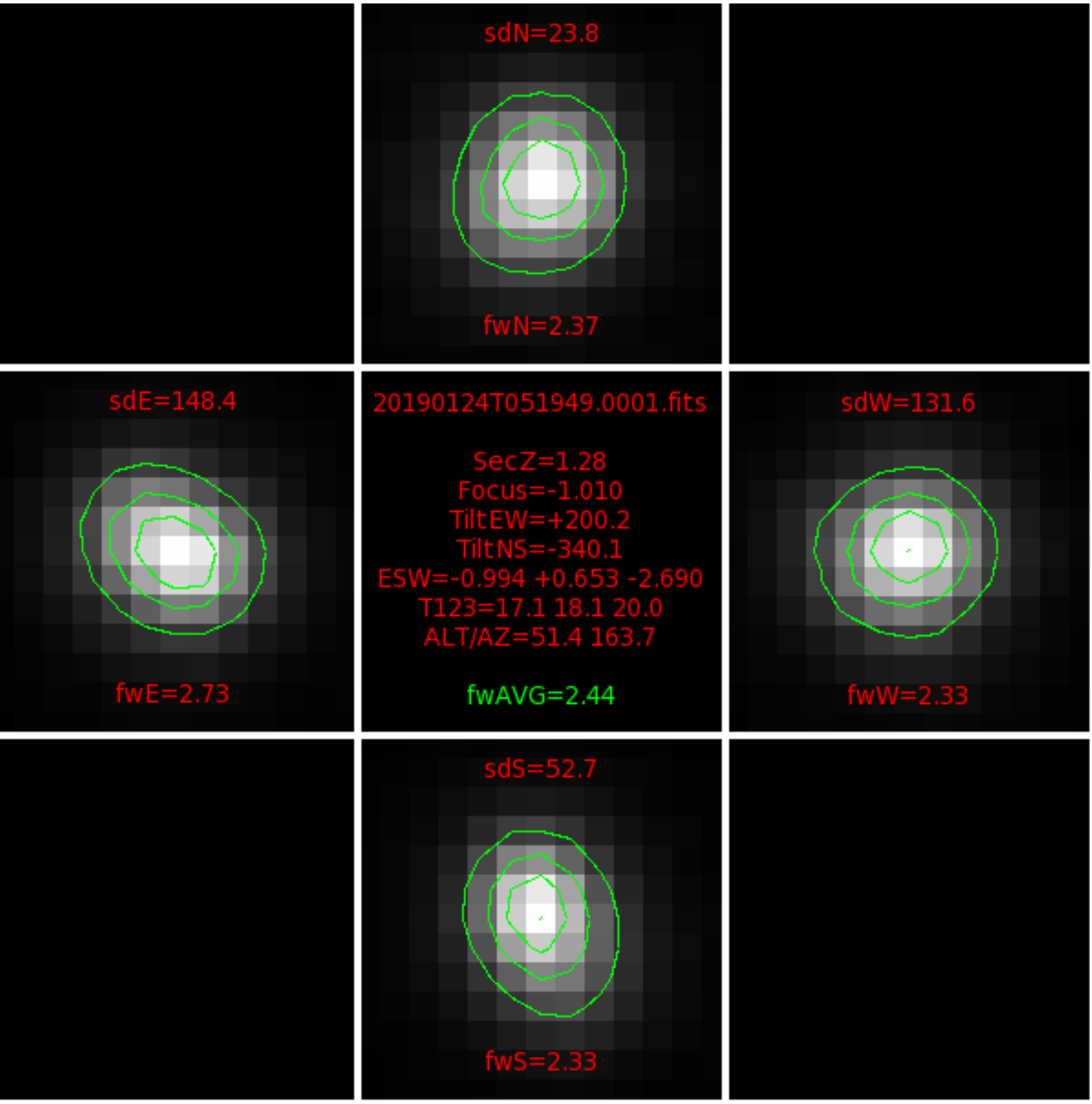
sdN=23.8
fwN=2.37
sdE=148.4
fwE=2.73
20190124T051949.0001.fits
SecZ=1.28
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.1 20.0
ALT/AZ=51.4 163.7
fwAVG=2.44
sdW=131.6
fwW=2.33
sdS=52.7
fwS=2.33
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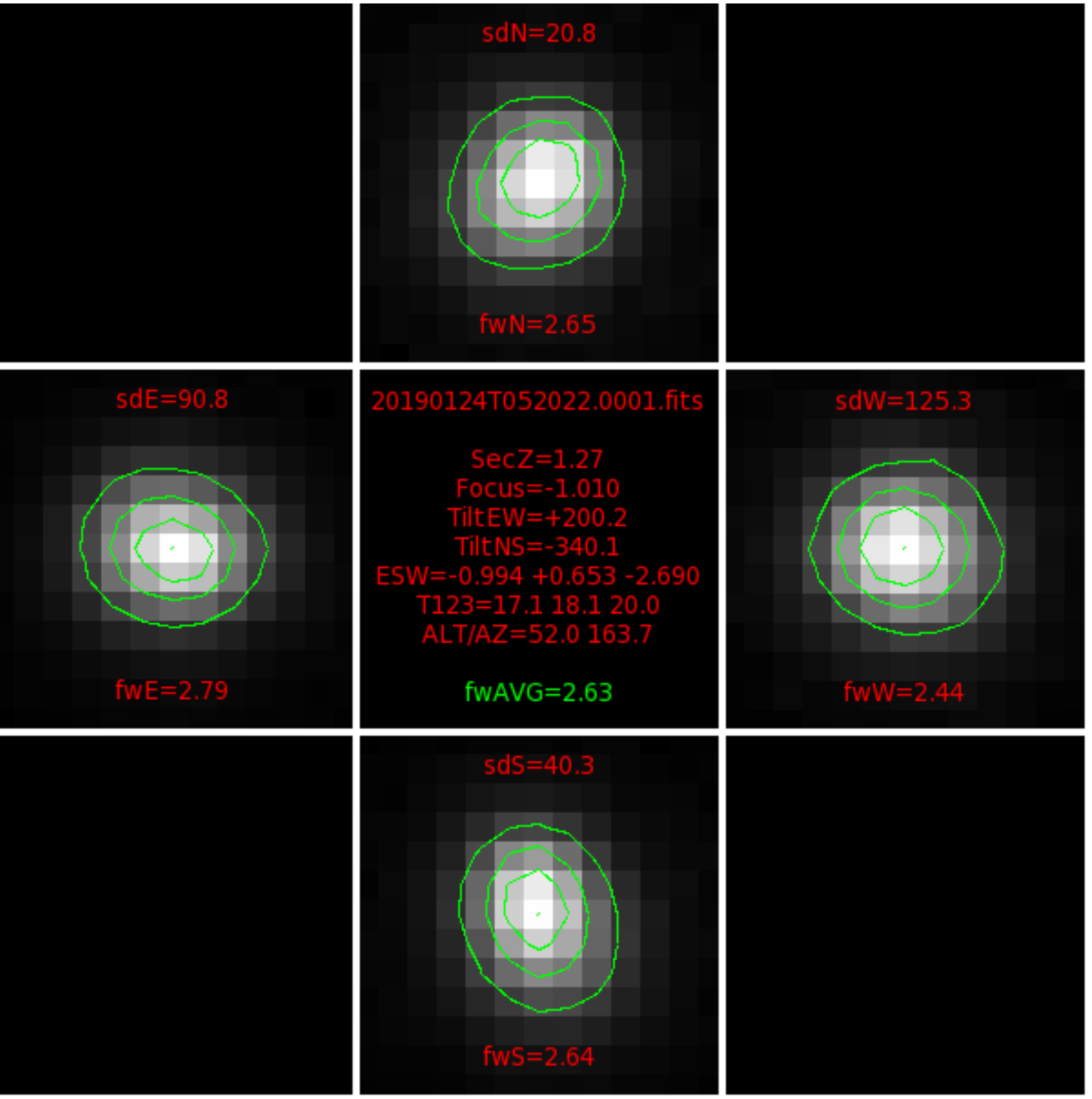
sdN=20.8
fwN=2.65
sdE=90.8
fwE=2.79
20190124T052022.0001.fits
SecZ=1.27
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.1 20.0
ALT/AZ=52.0 163.7
fwAVG=2.63
sdW=125.3
fwW=2.44
sdS=40.3
fwS=2.64
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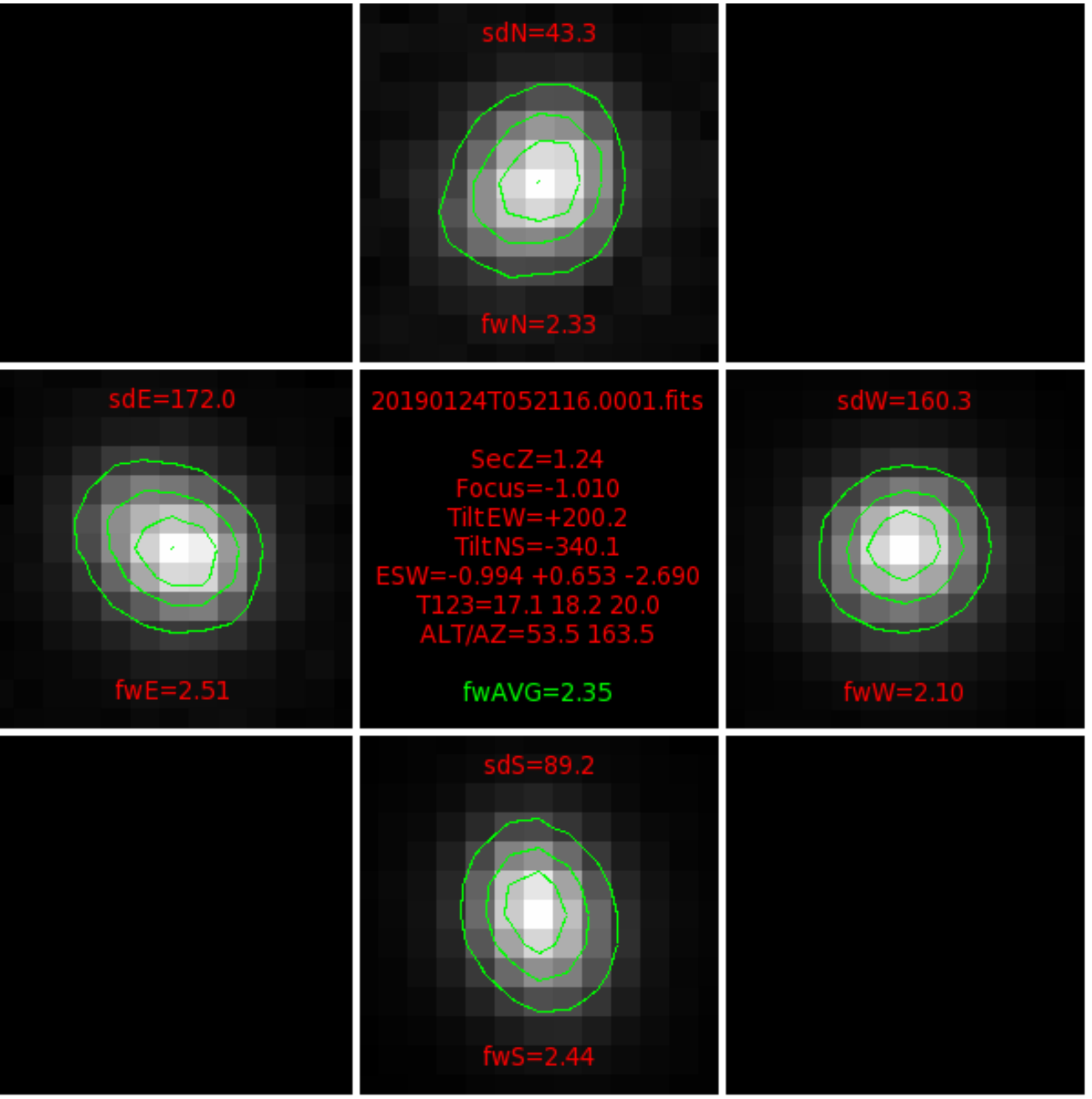
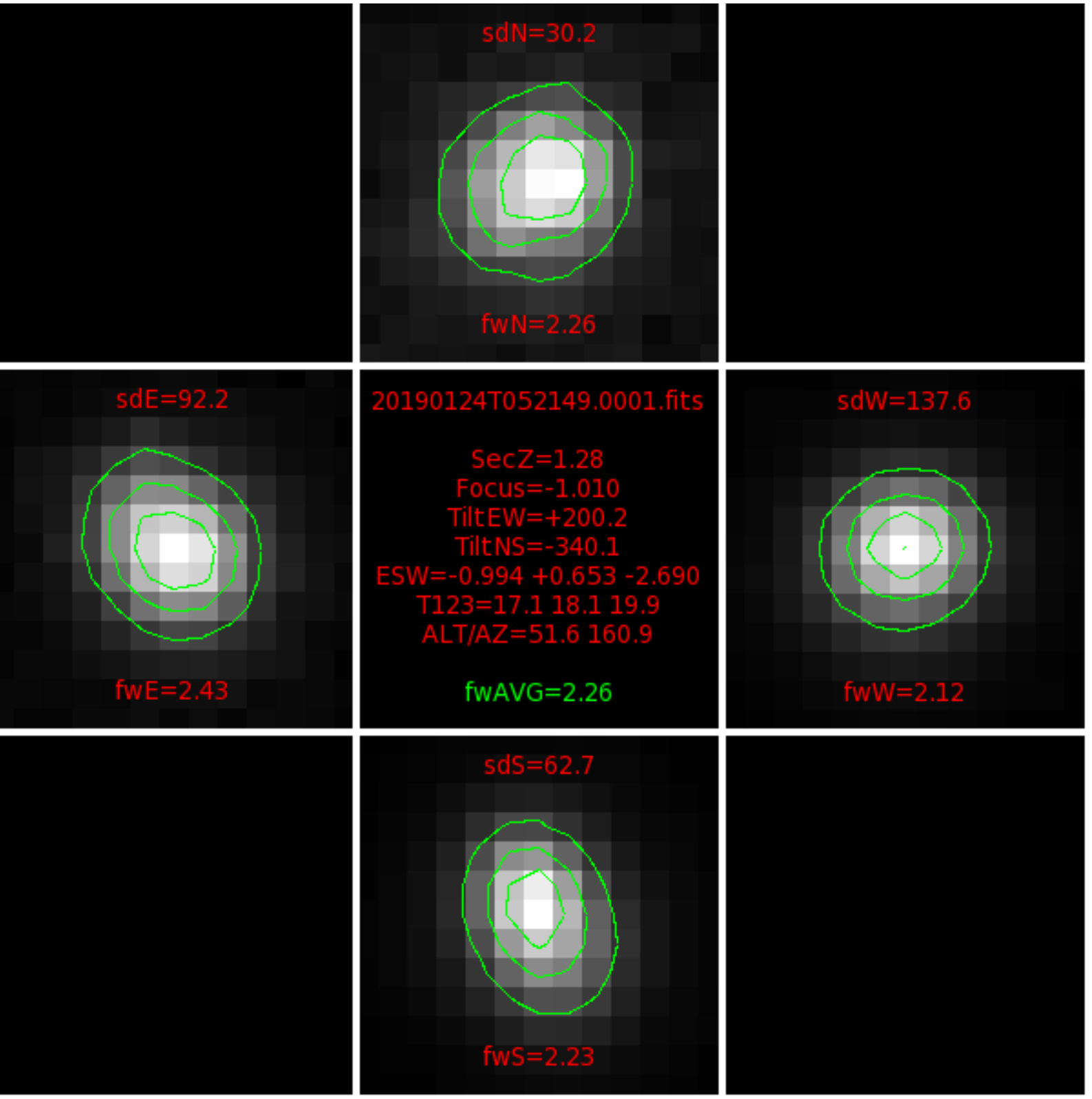

sdN=43.3
fwN=2.33
sdE=172.0
fwE=2.51
20190124T052116.0001.fits
SecZ=1.24
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.2 20.0
ALT/AZ=53.5 163.5
fwAVG=2.35
sdW=160.3
fwW=2.10
sdS=89.2
fwS=2.44
0 0 0 0 0 0 0 0 0


sdN=30.2
fwN=2.26
sdE=92.2
fwE=2.43
20190124T052149.0001.fits
SecZ=1.28
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.1 19.9
ALT/AZ=51.6 160.9
fwAVG=2.26
sdW=137.6
fwW=2.12
sdS=62.7
fwS=2.23
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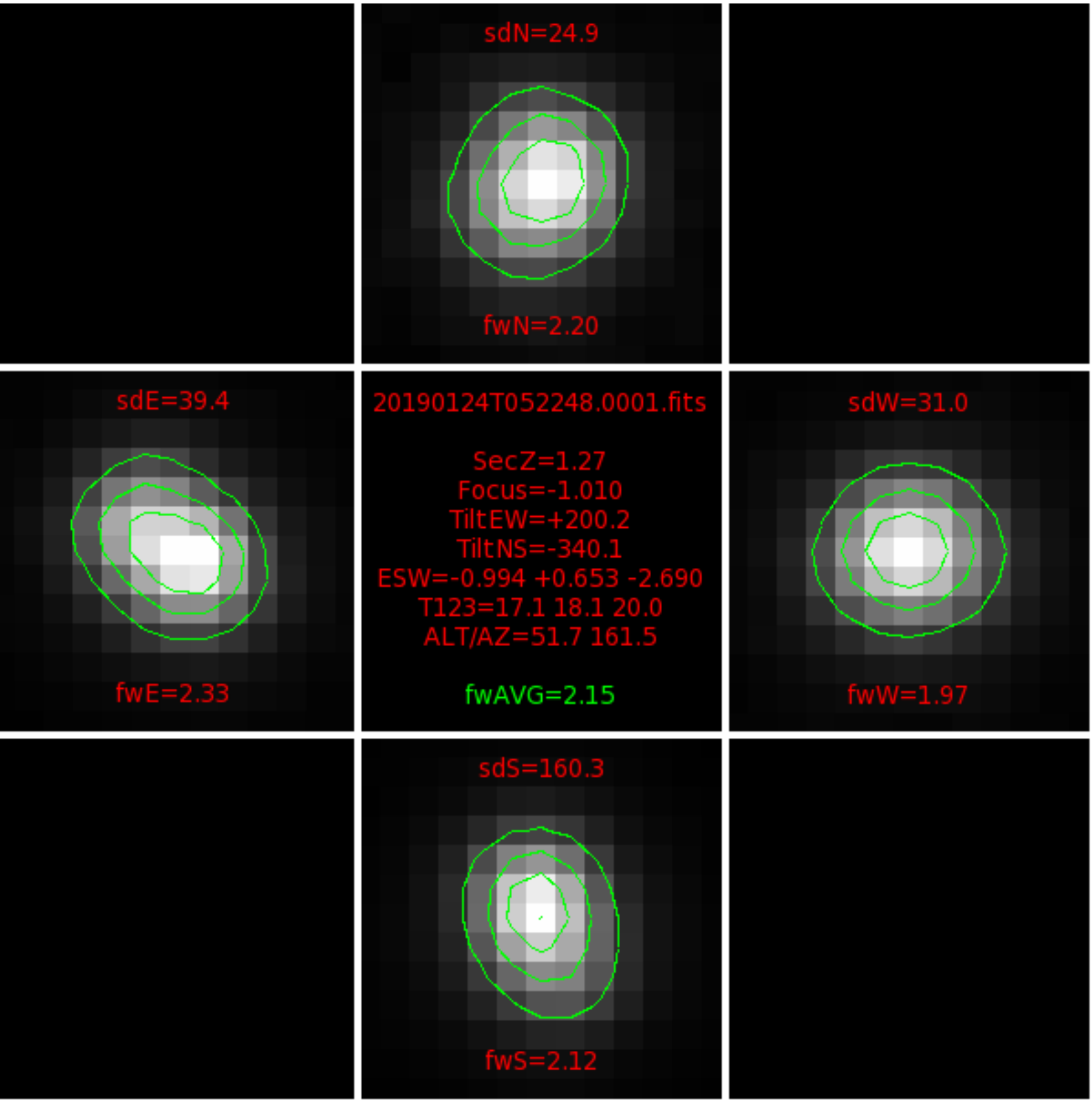
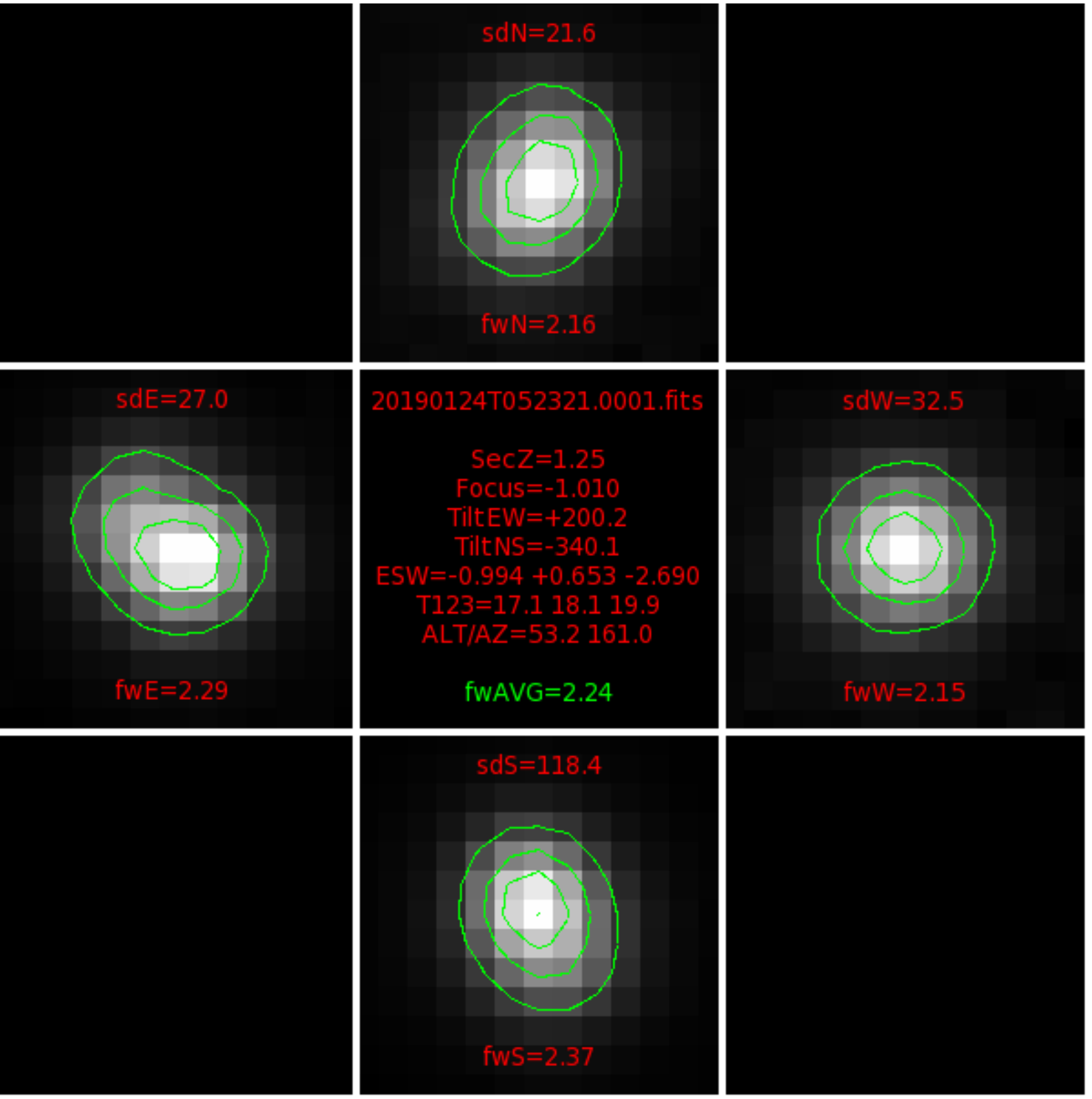
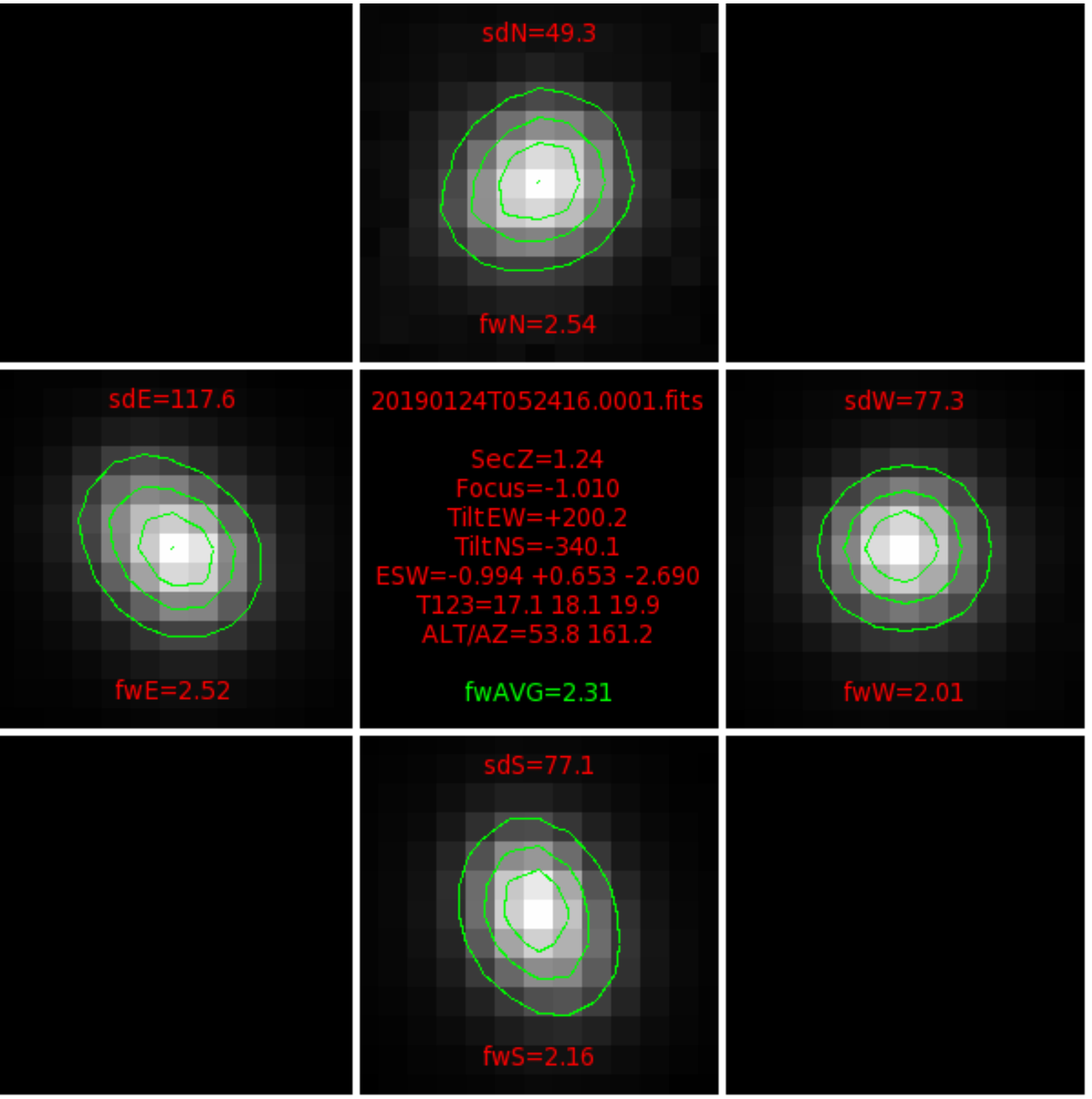

sdN=24.9
fwN=2.20
sdE=39.4
fwE=2.33
20190124T052248.0001.fits
SecZ=1.27
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.1 20.0
ALT/AZ=51.7 161.5
fwAVG=2.15
sdW=31.0
fwW=1.97
sdS=160.3
fwS=2.12
0 0 0 0 0 0 0 0 0


sdN=21.6
fwN=2.16
sdE=27.0
fwE=2.29
20190124T052321.0001.fits
SecZ=1.25
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.1 19.9
ALT/AZ=53.2 161.0
fwAVG=2.24
sdW=32.5
fwW=2.15
sdS=118.4
fwS=2.37
0 0 0 0 0 0 0 0 0


sdN=49.3
fwN=2.54
sdE=117.6
fwE=2.52
20190124T052416.0001.fits
SecZ=1.24
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.1 19.9
ALT/AZ=53.8 161.2
fwAVG=2.31
sdW=77.3
fwW=2.01
sdS=77.1
fwS=2.16
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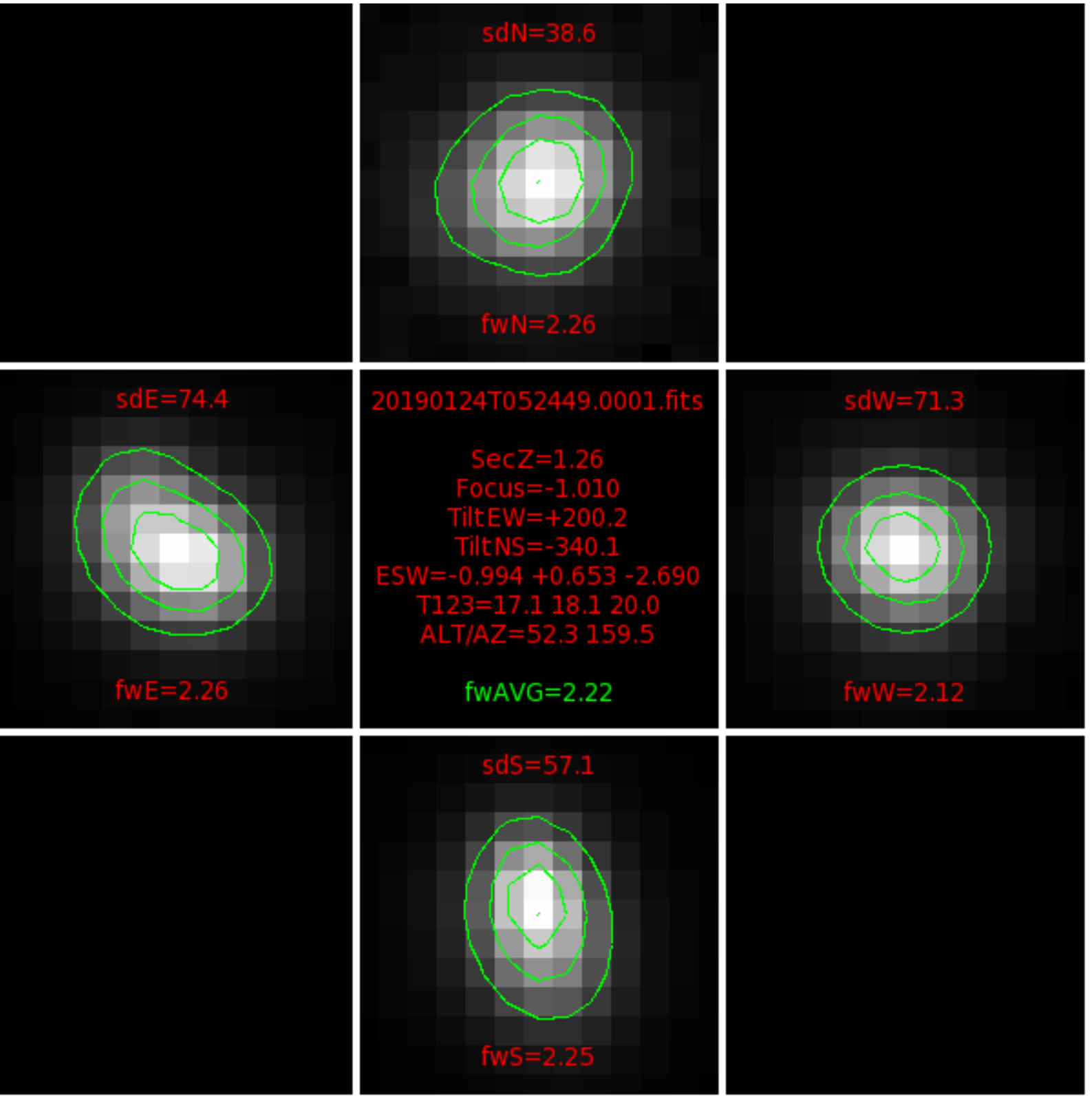
sdN=38.6
fwN=2.26
sdE=74.4
fwE=2.26
20190124T052449.0001.fits
SecZ=1.26
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.1 20.0
ALT/AZ=52.3 159.5
fwAVG=2.22
sdW=71.3
fwW=2.12
sdS=57.1
fwS=2.25
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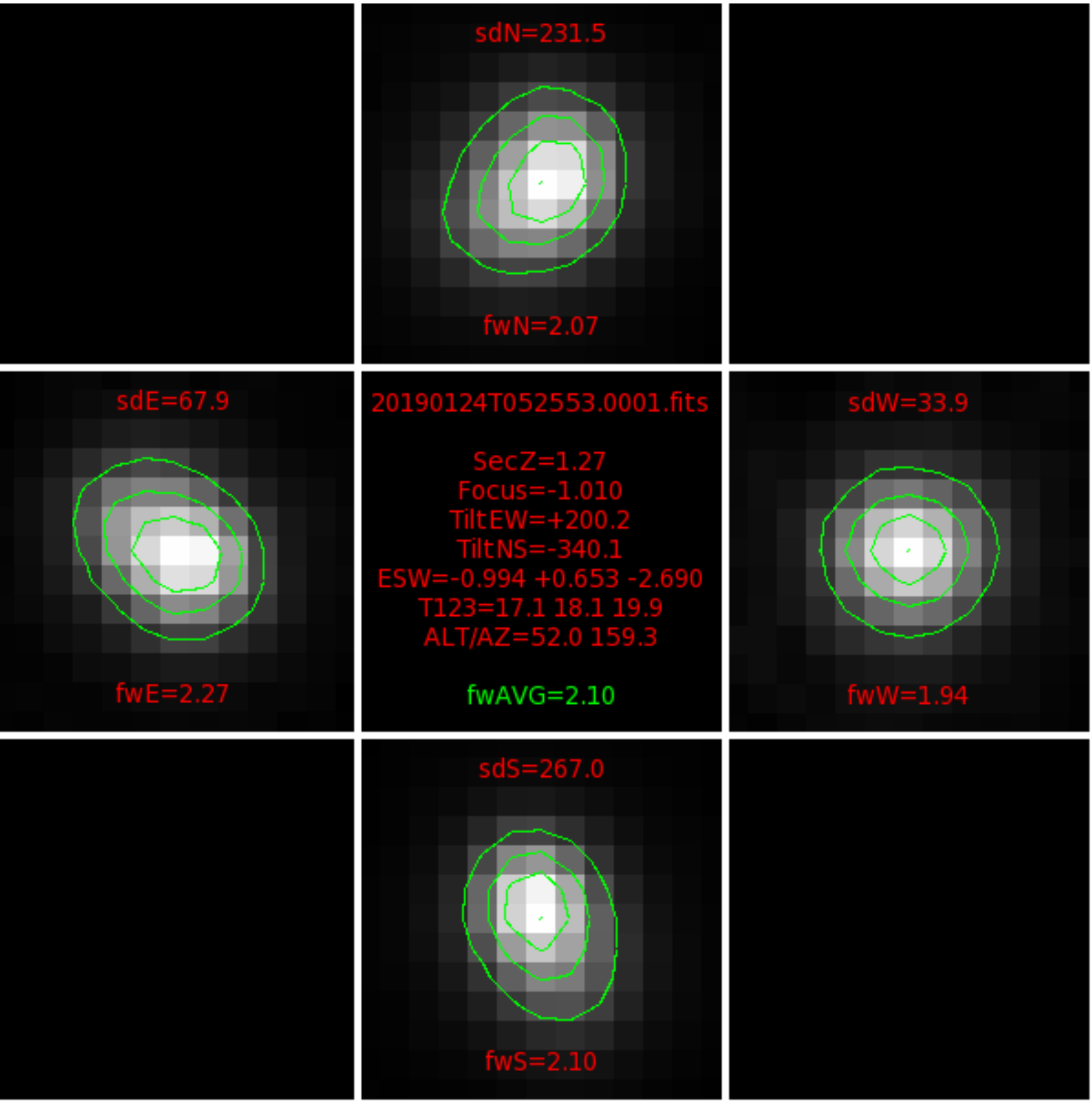
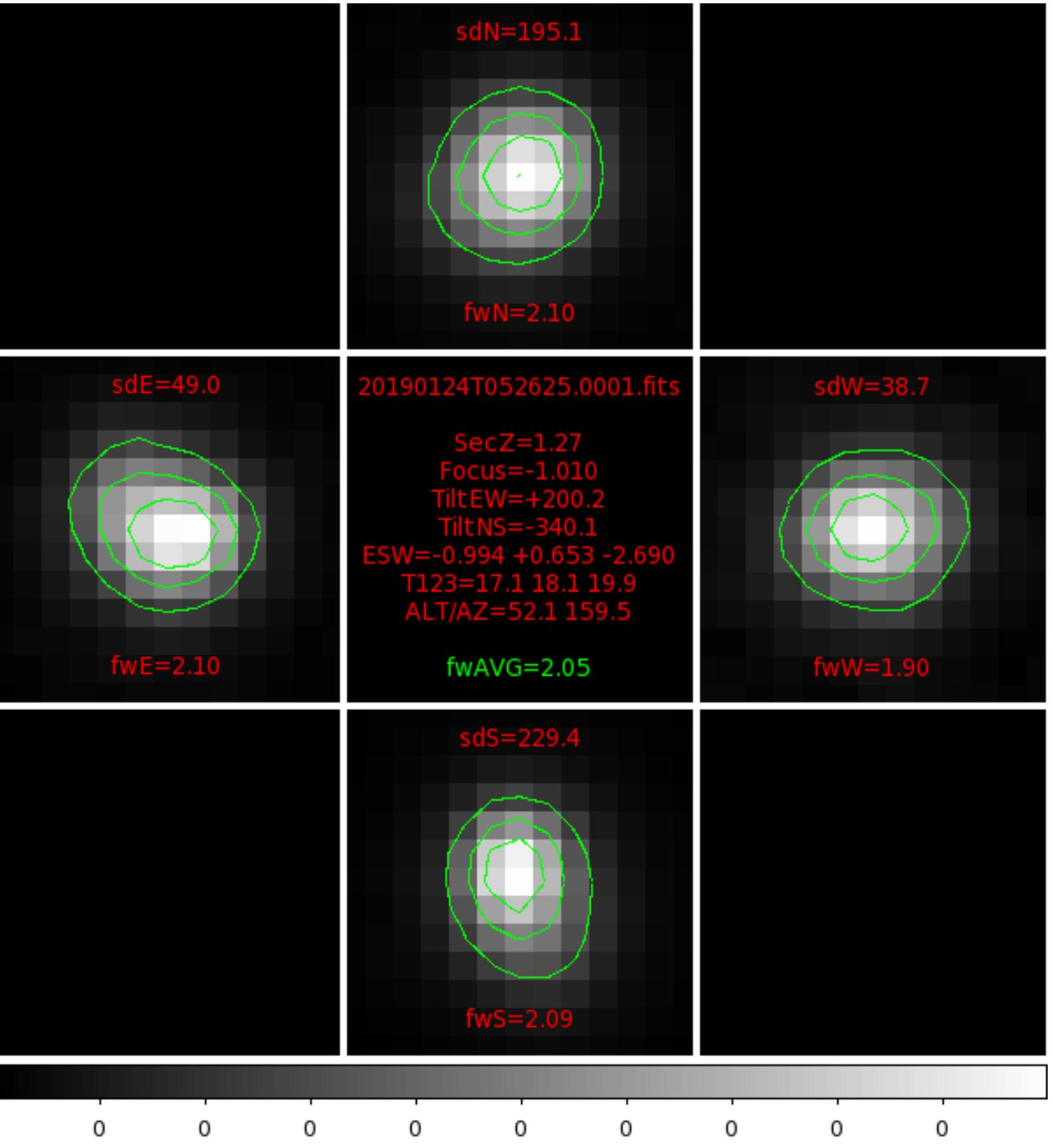

sdN=231.5
fwN=2.07
sdE=67.9
fwE=2.27
20190124T052553.0001.fits
SecZ=1.27
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.1 19.9
ALT/AZ=52.0 159.3
fwAVG=2.10
sdW=33.9
fwW=1.94
sdS=267.0
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=195.1
fwN=2.10
sdE=49.0
fwE=2.10
20190124T052625.0001.fits
SecZ=1.27
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.1 19.9
ALT/AZ=52.1 159.5
fwAVG=2.05
sdW=38.7
fwW=1.90
sdS=229.4
fwS=2.09
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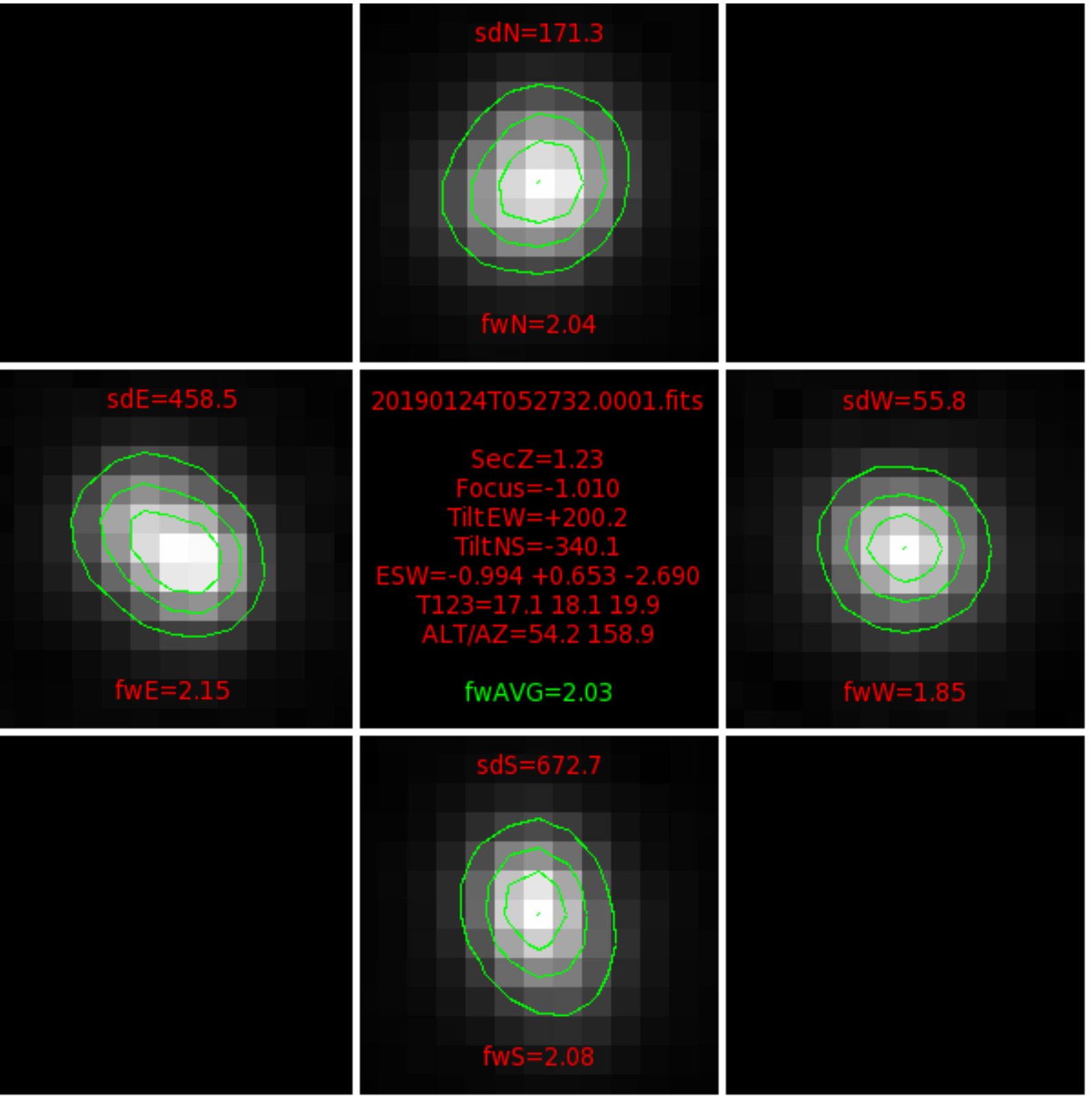
sdN=171.3
fwN=2.04
sdE=458.5
fwE=2.15
20190124T052732.0001.fits
SecZ=1.23
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.1 18.1 19.9
ALT/AZ=54.2 158.9
fwAVG=2.03
sdW=55.8
fwW=1.85
sdS=672.7
fwS=2.08
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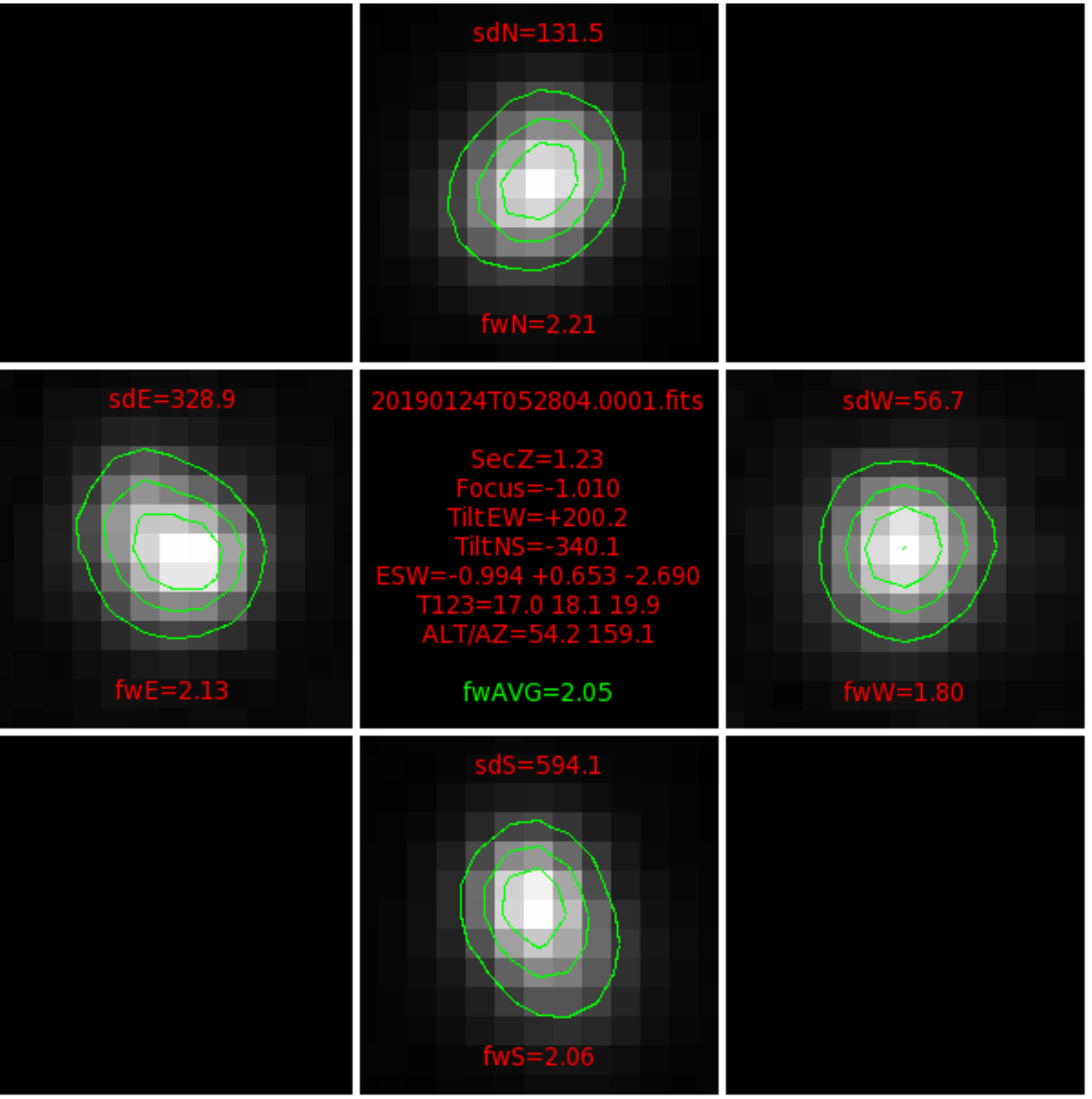
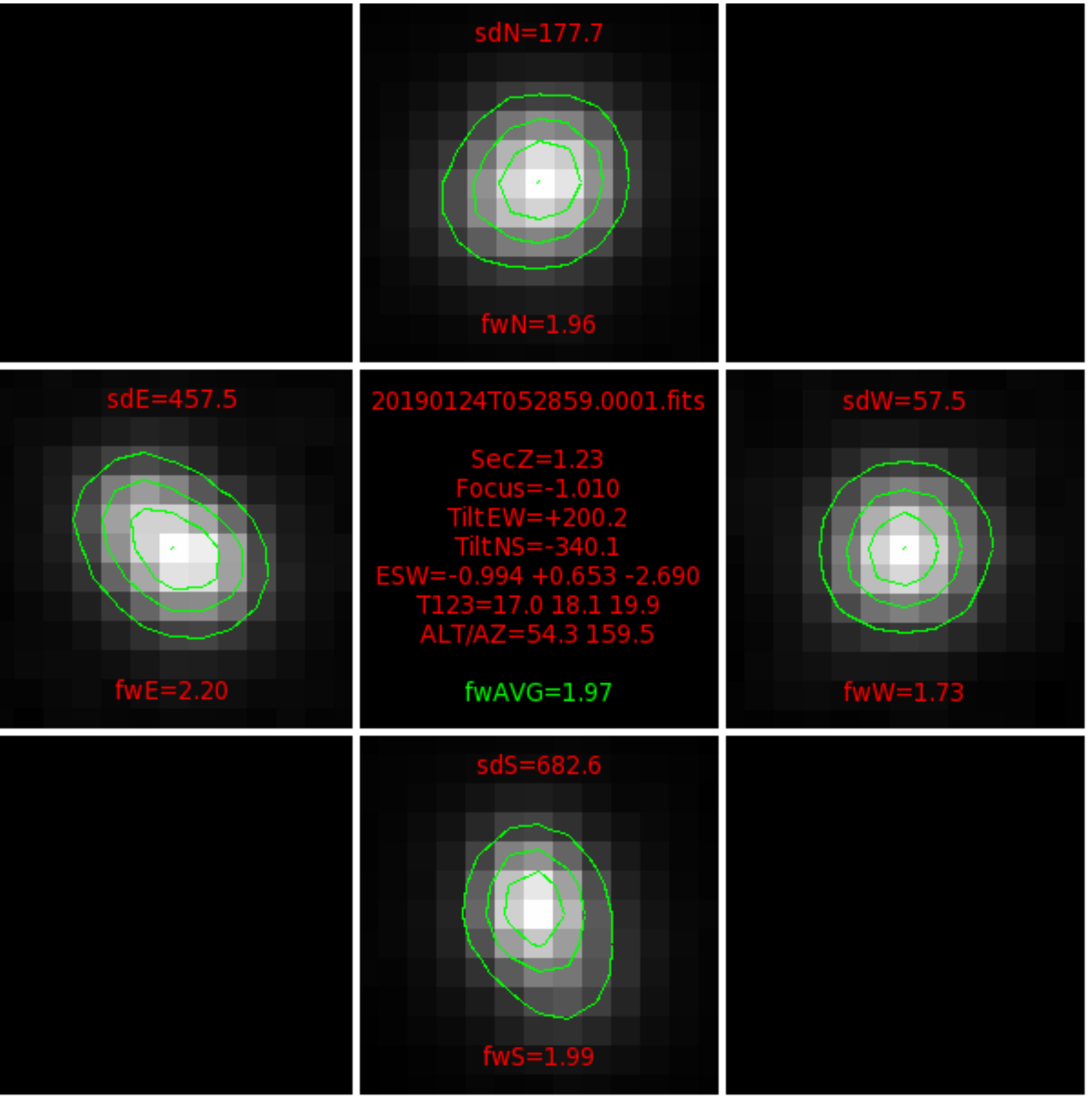

sdN=131.5
fwN=2.21
sdE=328.9
fwE=2.13
20190124T052804.0001.fits
SecZ=1.23
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.0 18.1 19.9
ALT/AZ=54.2 159.1
fwAVG=2.05
sdW=56.7
fwW=1.80
sdS=594.1
fwS=2.06
0 0 0 0 0 0 0 0 0


sdN=177.7
fwN=1.96
sdE=457.5
fwE=2.20
20190124T052859.0001.fits
SecZ=1.23
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.0 18.1 19.9
ALT/AZ=54.3 159.5
fwAVG=1.97
sdW=57.5
fwW=1.73
sdS=682.6
fwS=1.99
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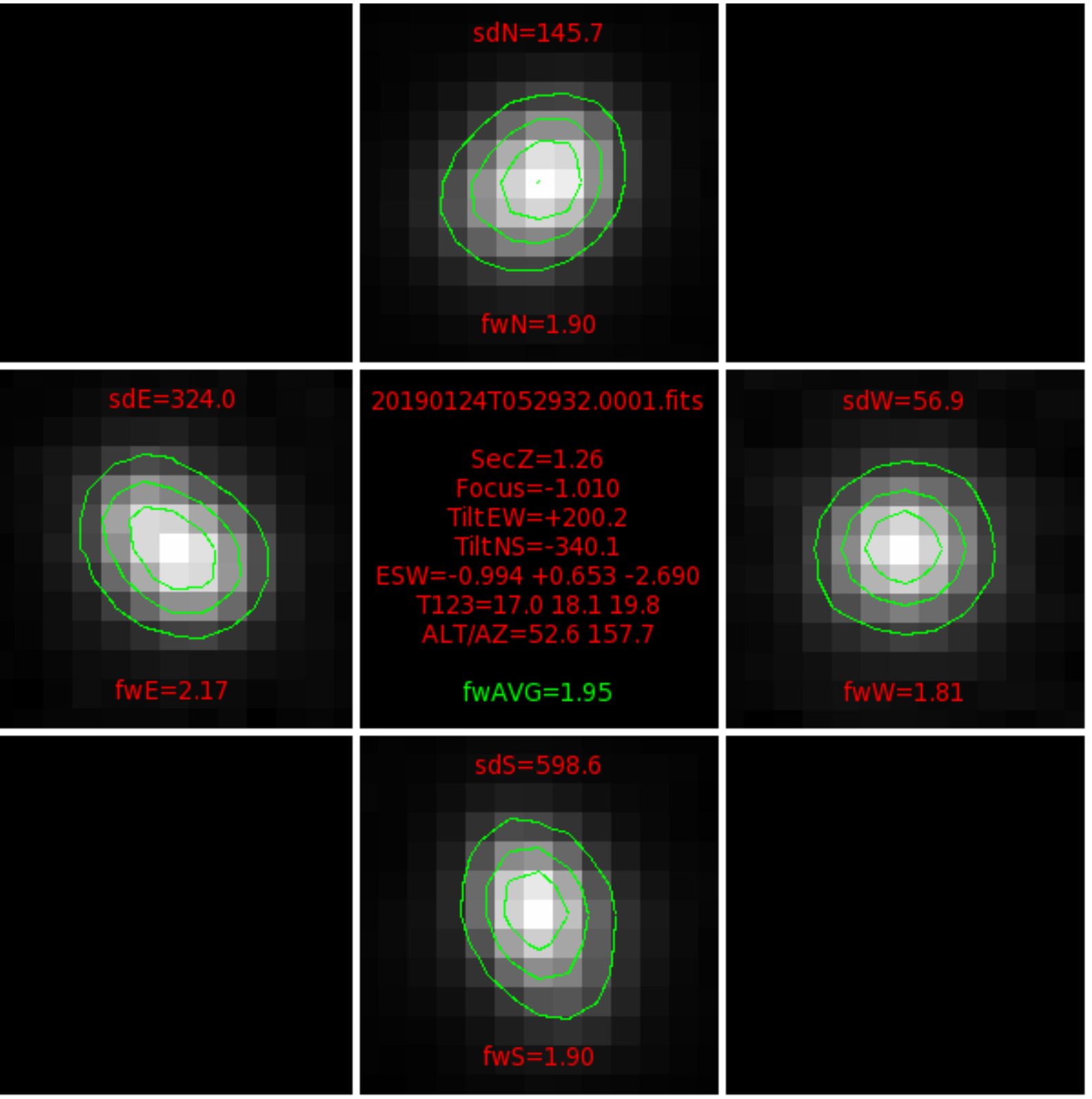
sdN=145.7
fwN=1.90
sdE=324.0
fwE=2.17
20190124T052932.0001.fits
SecZ=1.26
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.0 18.1 19.8
ALT/AZ=52.6 157.7
fwAVG=1.95
sdW=56.9
fwW=1.81
sdS=598.6
fwS=1.90
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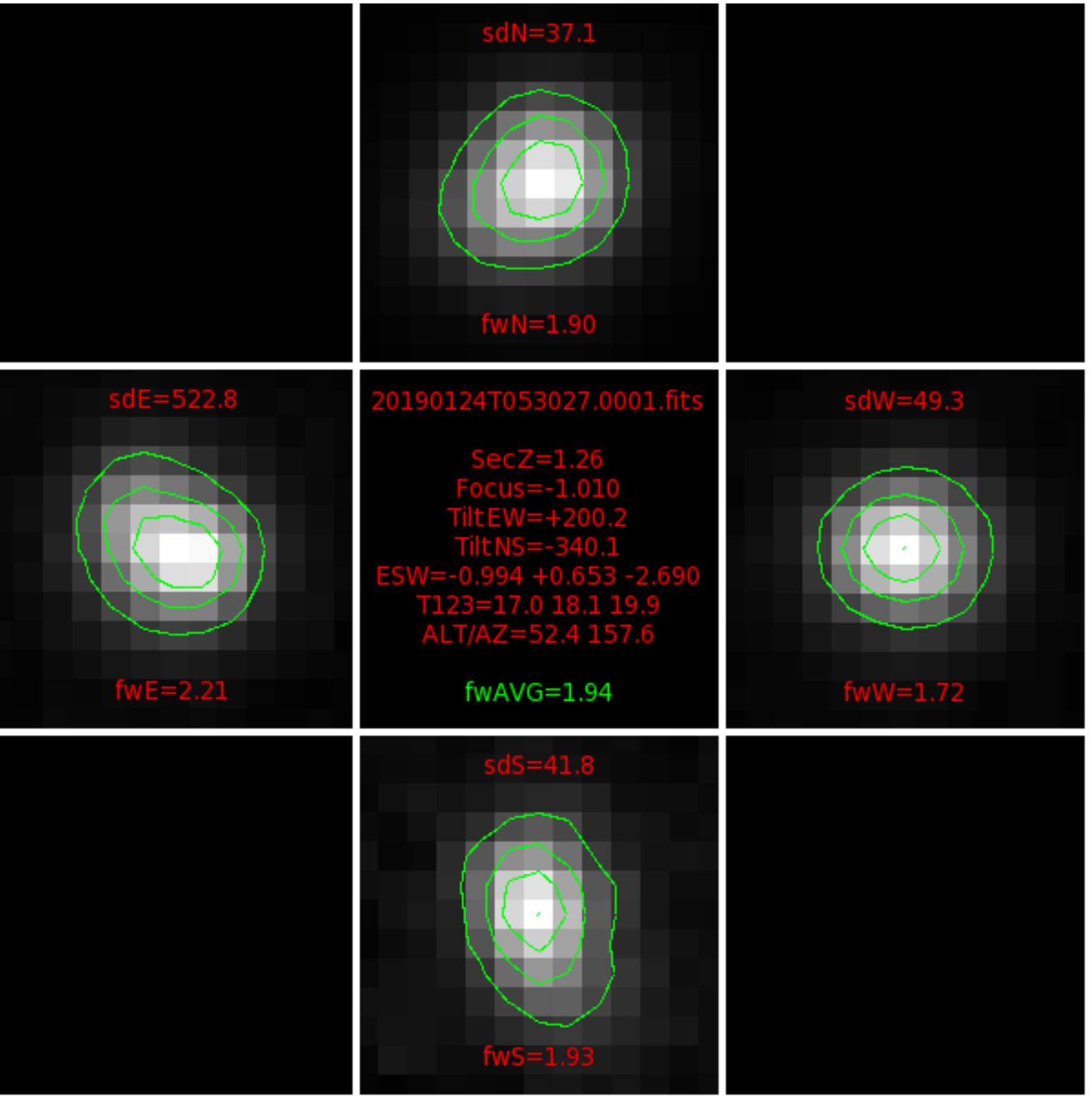
sdN=37.1
fwN=1.90
sdE=522.8
fwE=2.21
20190124T053027.0001.fits
SecZ=1.26
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.0 18.1 19.9
ALT/AZ=52.4 157.6
fwAVG=1.94
sdW=49.3
fwW=1.72
sdS=41.8
fwS=1.93
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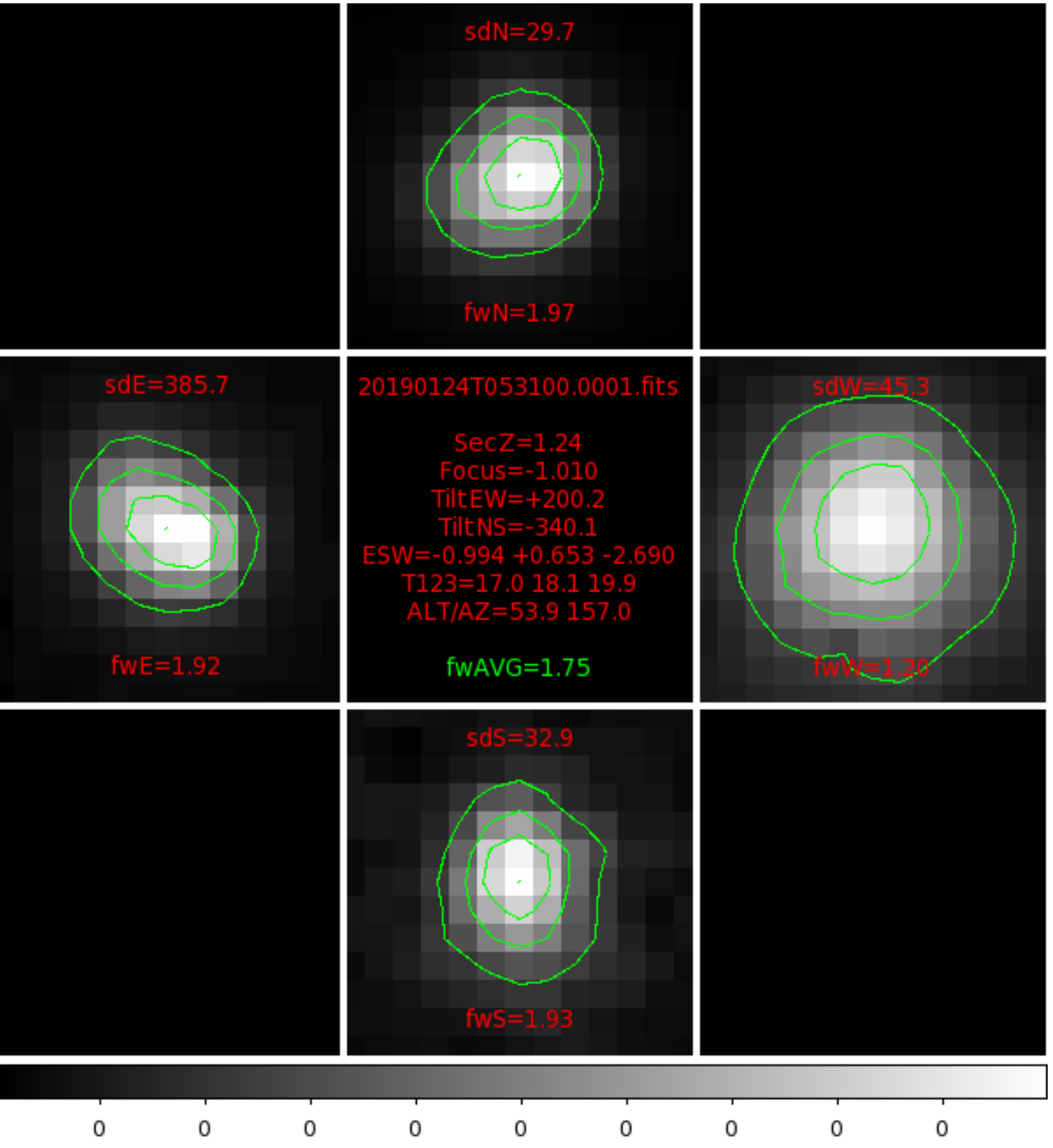
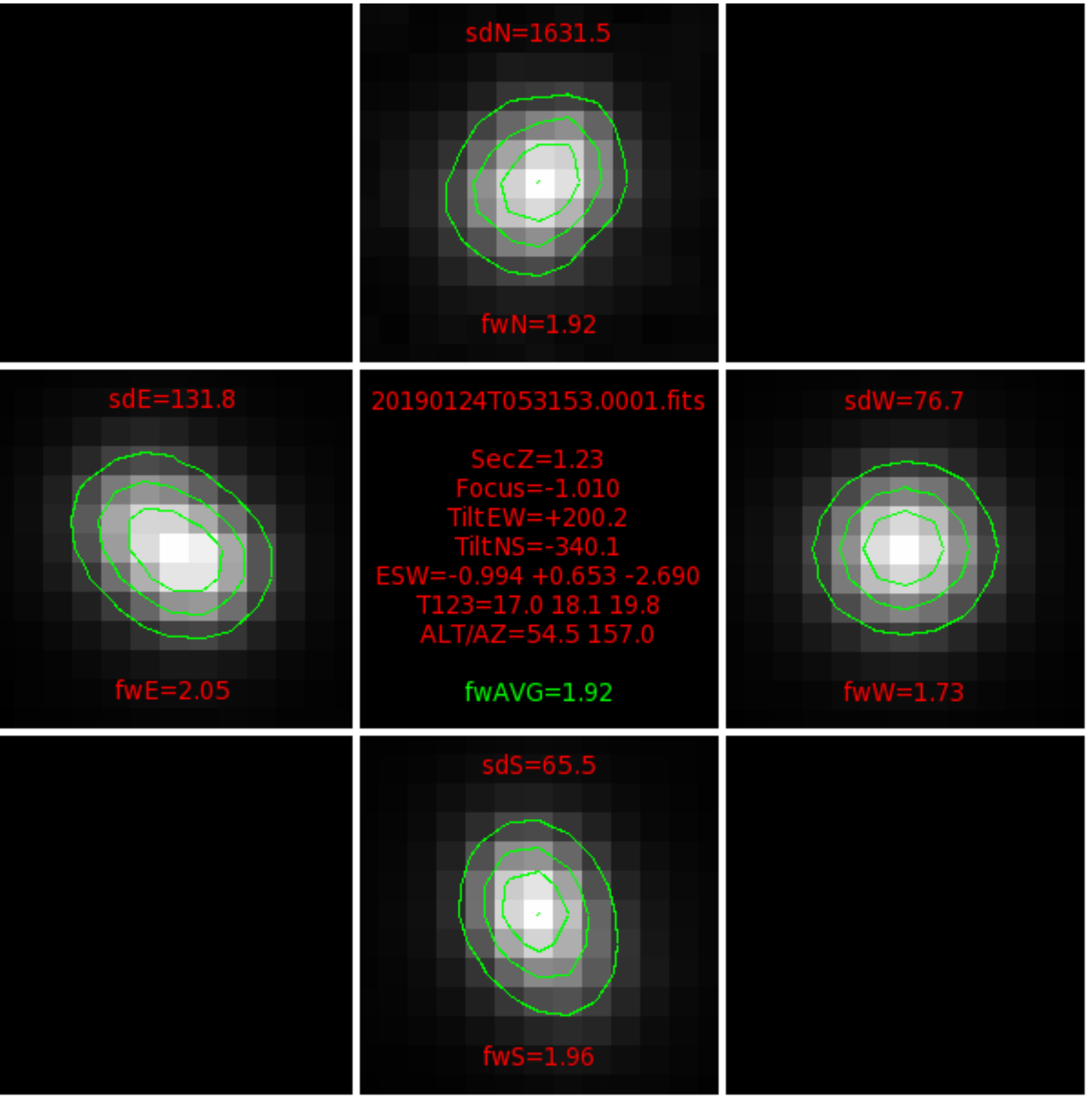
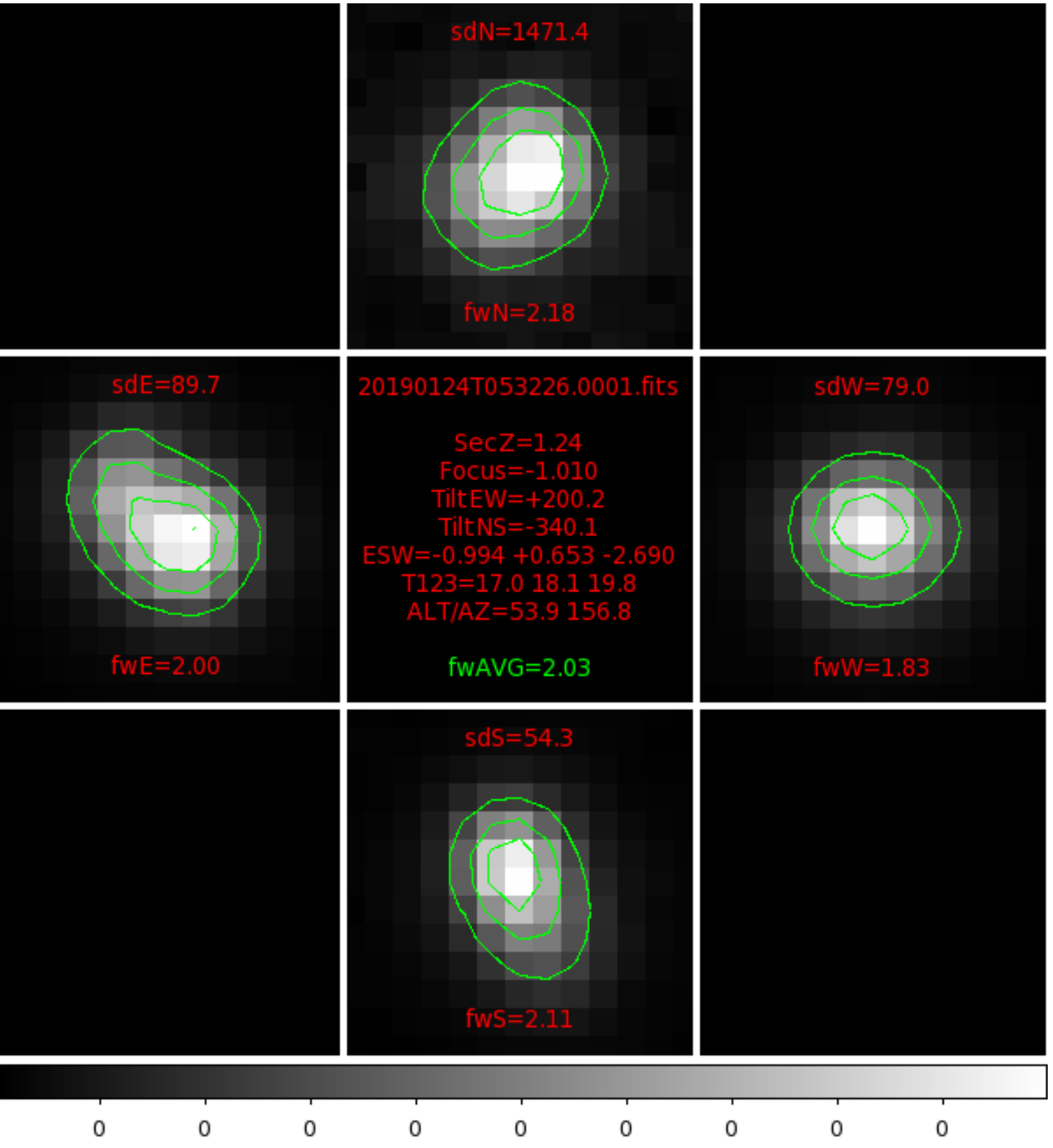
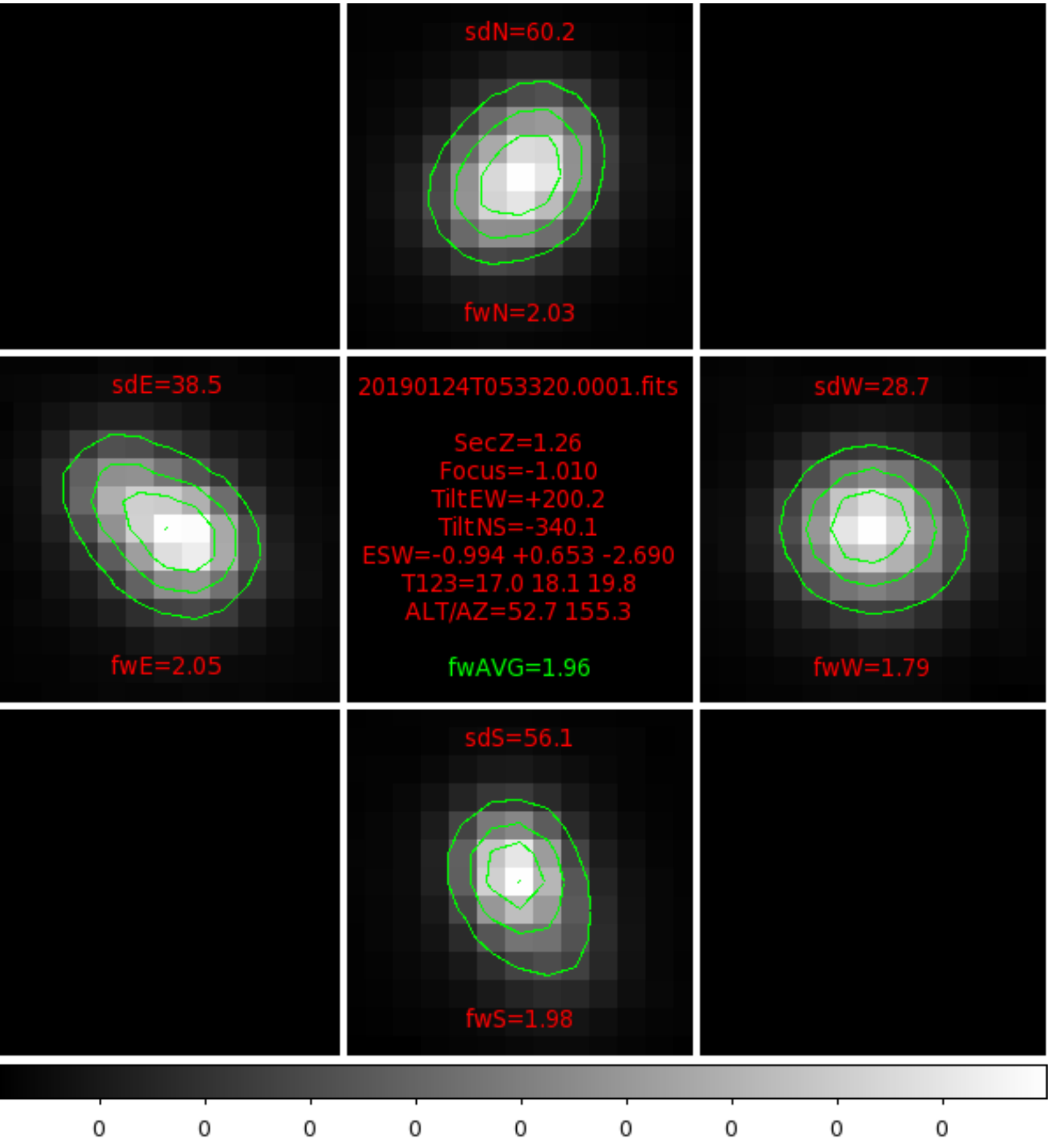
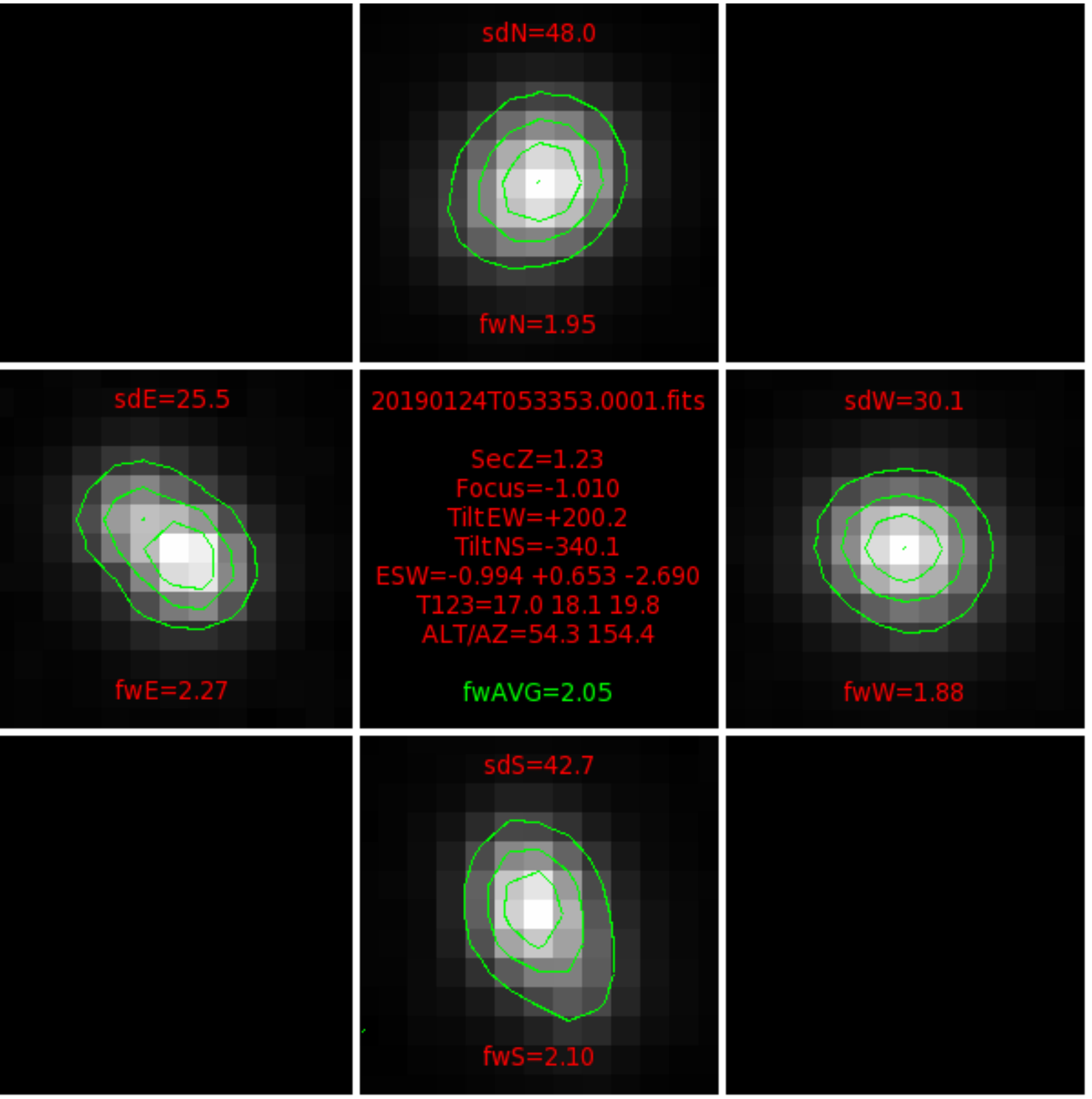
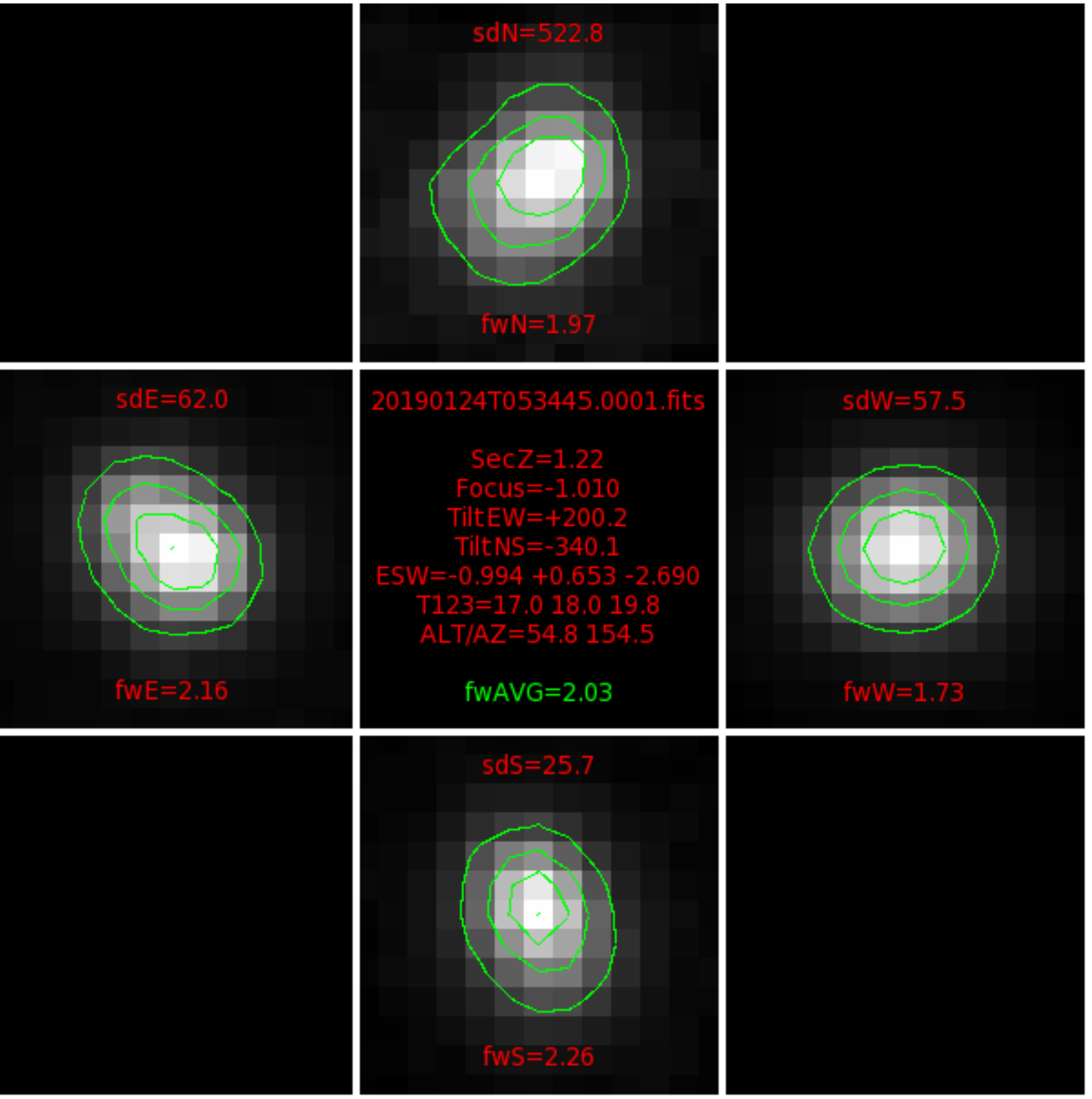

sdN=29.7
fwN=1.97
sdE=385.7
fwE=1.92
20190124T053100.0001.fits
SecZ=1.24
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.0 18.1 19.9
ALT/AZ=53.9 157.0
fwAVG=1.75
sdW=45.3
fwW=1.20
sdS=32.9
fwS=1.93
0 0 0 0 0 0 0 0 0

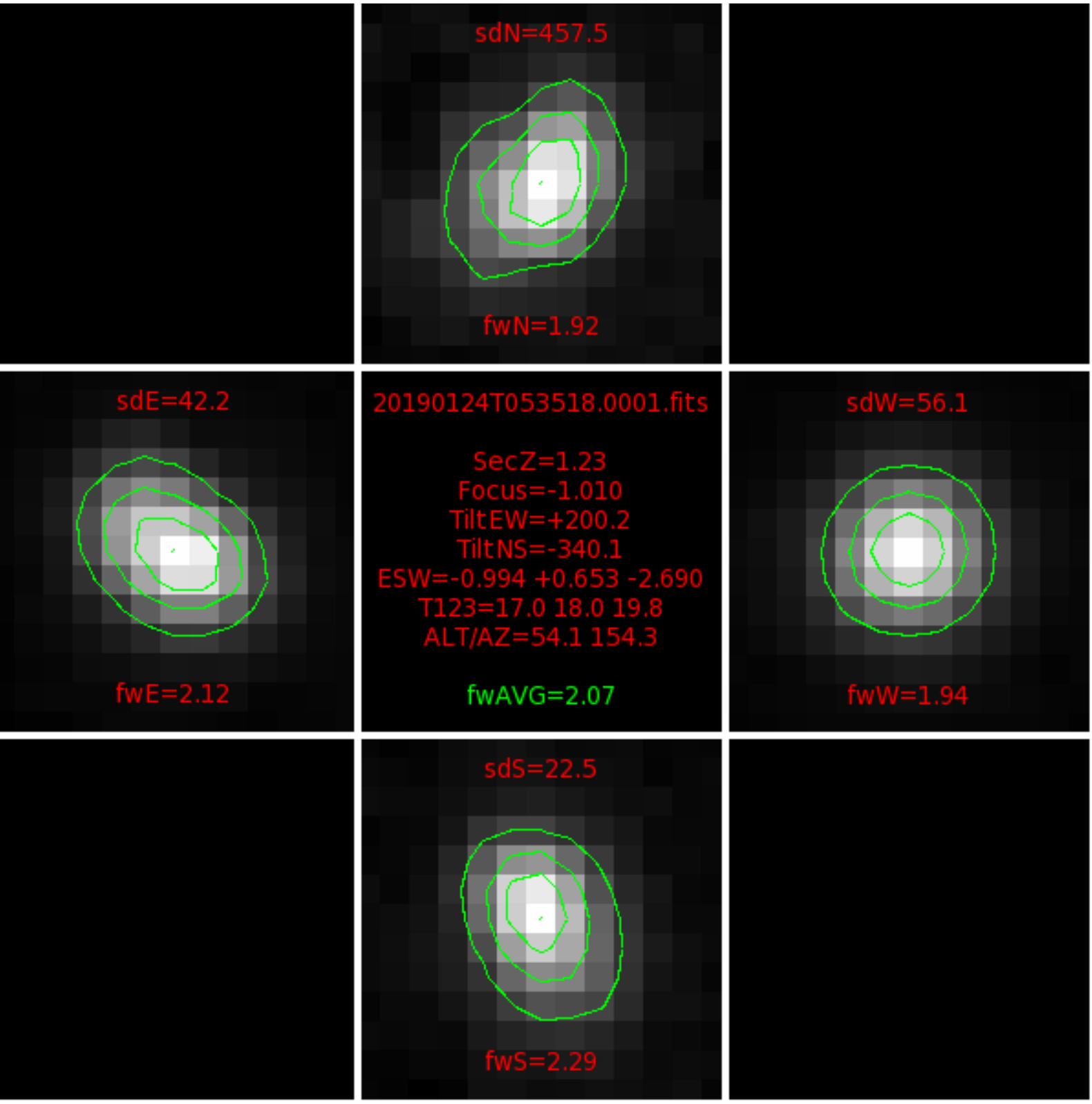

sdN=1631.5
fwN=1.92
sdE=131.8
fwE=2.05
20190124T053153.0001.fits
SecZ=1.23
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.0 18.1 19.8
ALT/AZ=54.5 157.0
fwAVG=1.92
sdW=76.7
fwW=1.73
sdS=65.5
fwS=1.96
0 0 0 0 0 0 0 0 0


sdN=1471.4
fwN=2.18
sdE=89.7
fwE=2.00
20190124T053226.0001.fits
SecZ=1.24
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.0 18.1 19.8
ALT/AZ=53.9 156.8
fwAVG=2.03
sdW=79.0
fwW=1.83
sdS=54.3
fwS=2.11
0 0 0 0 0 0 0 0 0


sdN=60.2
fwN=2.03
sdE=38.5
fwE=2.05
20190124T053320.0001.fits
SecZ=1.26
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.0 18.1 19.8
ALT/AZ=52.7 155.3
fwAVG=1.96
sdW=28.7
fwW=1.79
sdS=56.1
fwS=1.98
0 0 0 0 0 0 0 0 0


sdN=48.0
fwN=1.95
sdE=25.5
fwE=2.27
20190124T053353.0001.fits
SecZ=1.23
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.0 18.1 19.8
ALT/AZ=54.3 154.4
fwAVG=2.05
sdW=30.1
fwW=1.88
sdS=42.7
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=522.8
fwN=1.97
sdE=62.0
fwE=2.16
20190124T053445.0001.fits
SecZ=1.22
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.0 18.0 19.8
ALT/AZ=54.8 154.5
fwAVG=2.03
sdW=57.5
fwW=1.73
sdS=25.7
fwS=2.26
0 0 0 0 0 0 0 0 0


sdN=457.5
fwN=1.92
sdE=42.2
fwE=2.12
20190124T053518.0001.fits
SecZ=1.23
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.0 18.0 19.8
ALT/AZ=54.1 154.3
fwAVG=2.07
sdW=56.1
fwW=1.94
sdS=22.5
fwS=2.29
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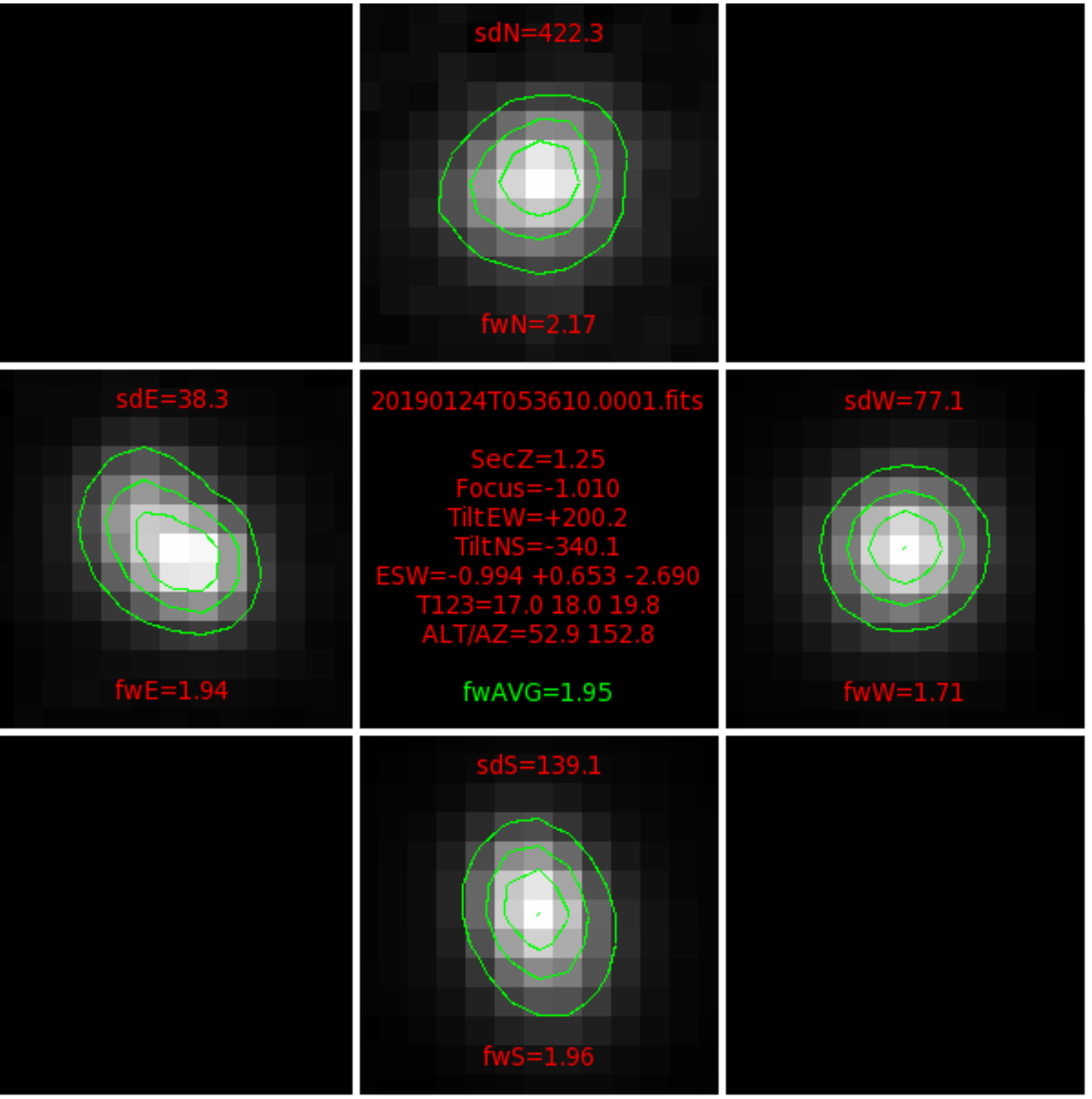
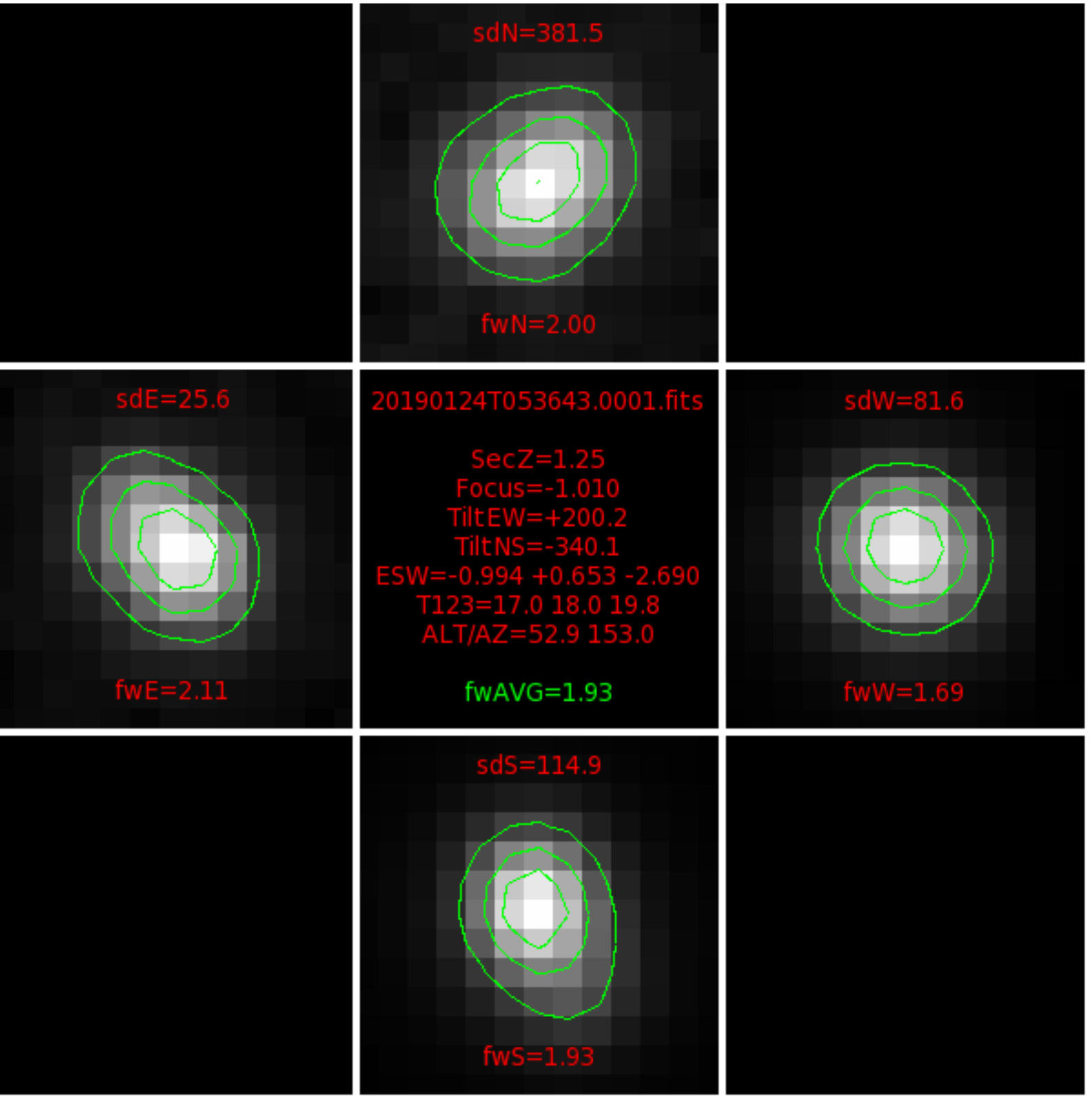
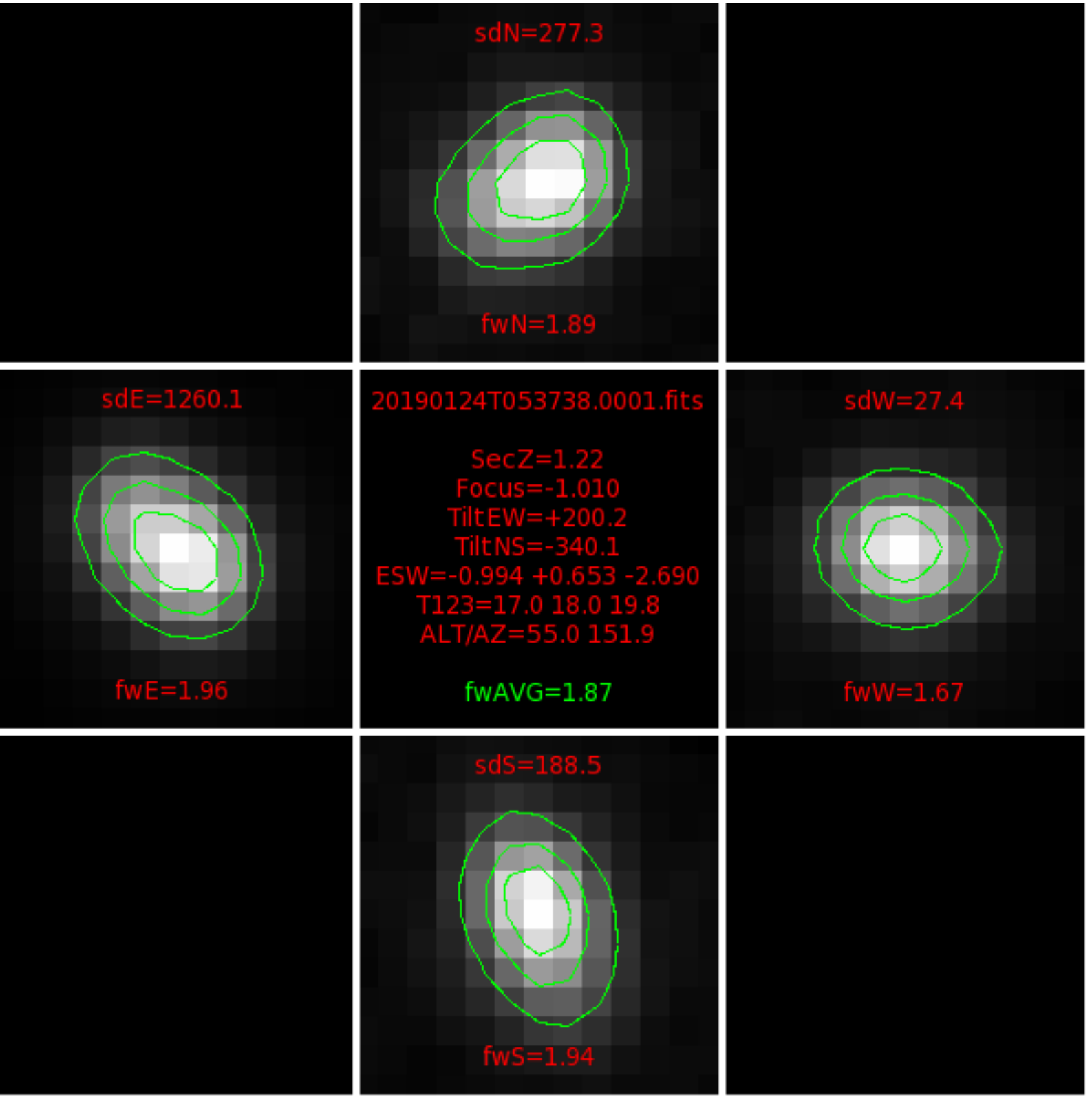

sdN=422.3
fwN=2.17
sdE=38.3
fwE=1.94
20190124T053610.0001.fits
SecZ=1.25
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.0 18.0 19.8
ALT/AZ=52.9 152.8
fwAVG=1.95
sdW=77.1
fwW=1.71
sdS=139.1
fwS=1.96
0 0 0 0 0 0 0 0 0


sdN=381.5
fwN=2.00
sdE=25.6
fwE=2.11
20190124T053643.0001.fits
SecZ=1.25
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.0 18.0 19.8
ALT/AZ=52.9 153.0
fwAVG=1.93
sdW=81.6
fwW=1.69
sdS=114.9
fwS=1.93
0 0 0 0 0 0 0 0 0


sdN=277.3
fwN=1.89
sdE=1260.1
fwE=1.96
20190124T053738.0001.fits
SecZ=1.22
Focus=-1.010
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.994 +0.653 -2.690
T123=17.0 18.0 19.8
ALT/AZ=55.0 151.9
fwAVG=1.87
sdW=27.4
fwW=1.67
sdS=188.5
fwS=1.94
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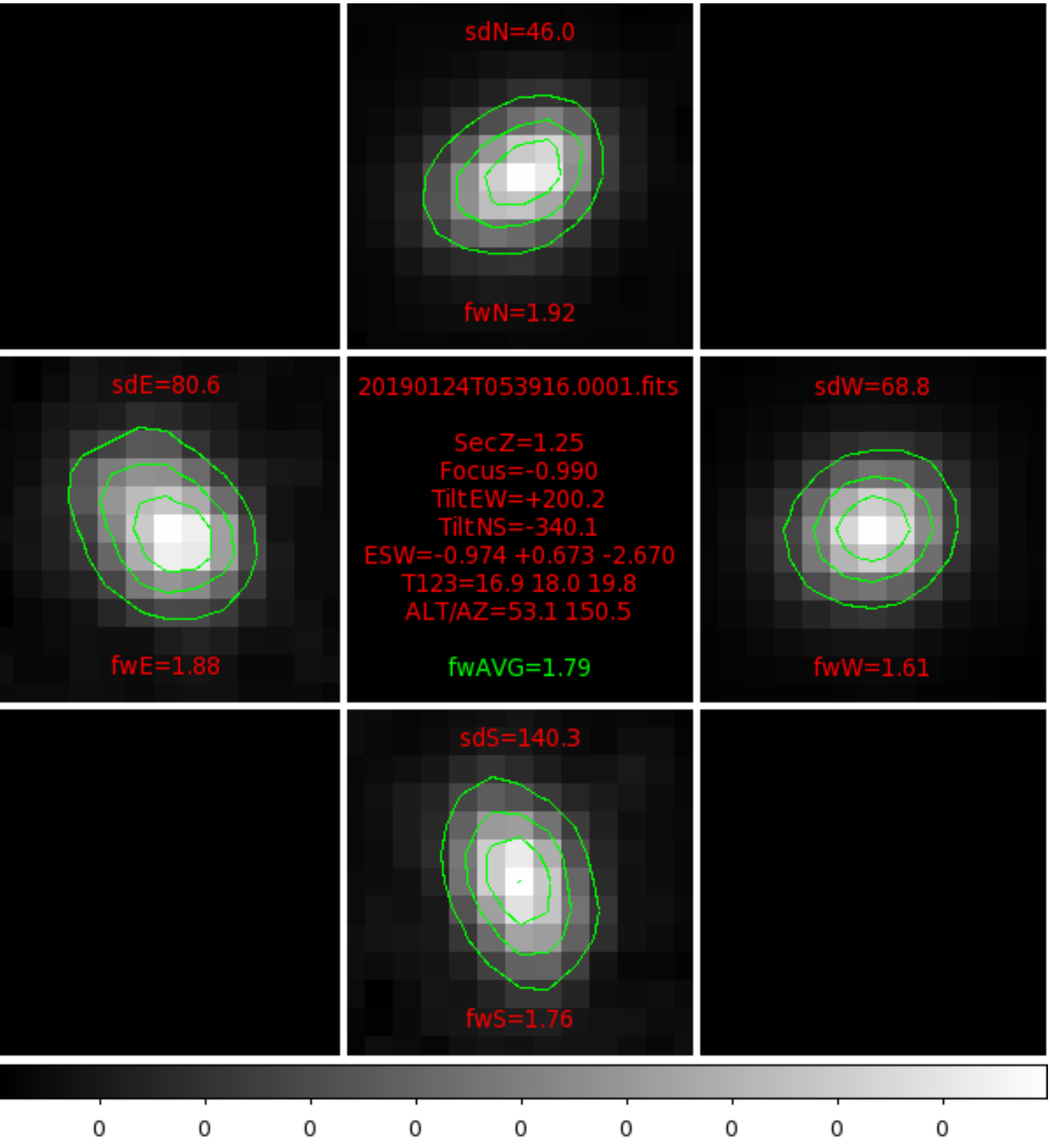
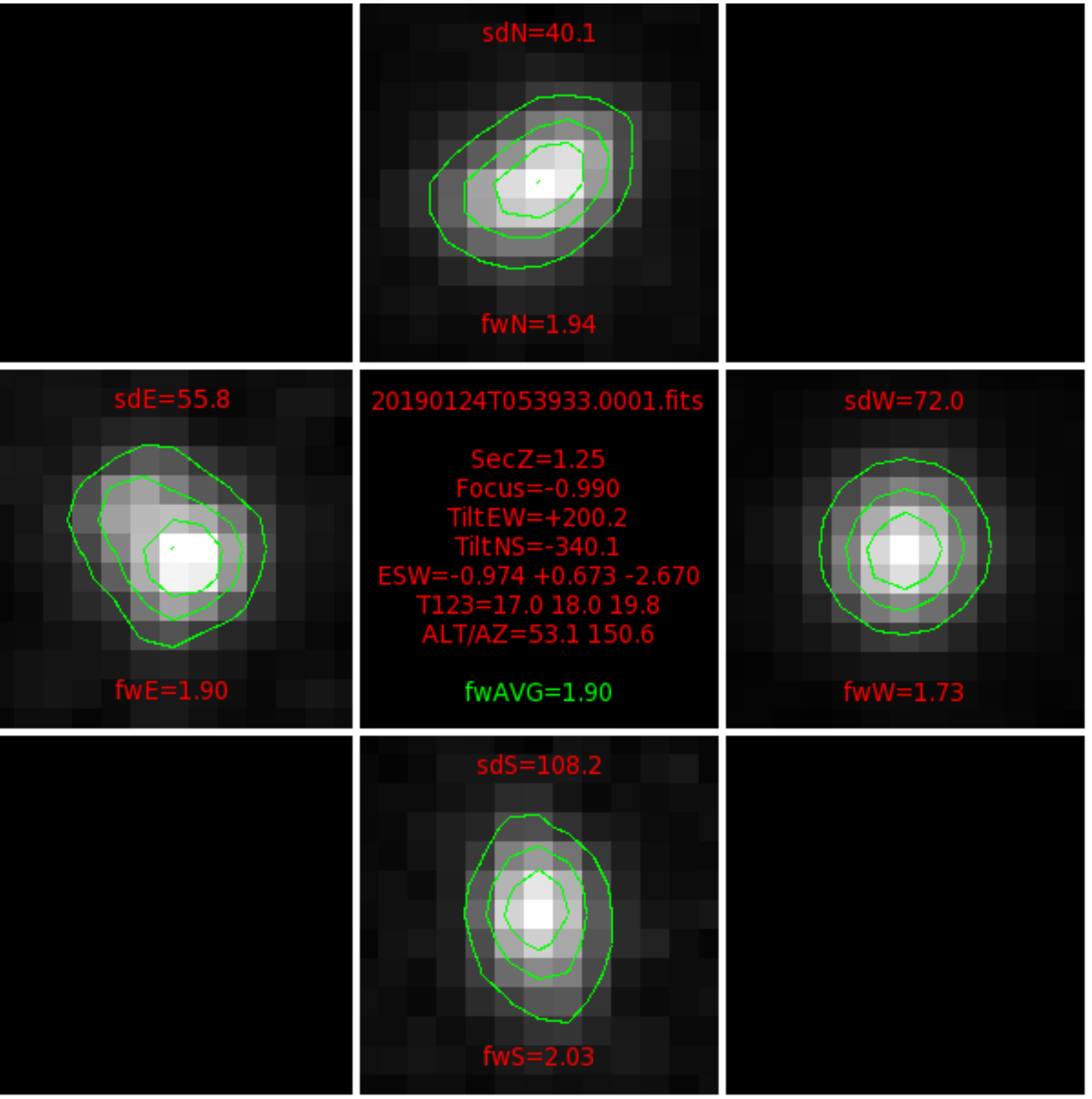

sdN=46.0
fwN=1.92
sdE=80.6
fwE=1.88
20190124T053916.0001.fits
SecZ=1.25
Focus=-0.990
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.974 +0.673 -2.670
T123=16.9 18.0 19.8
ALT/AZ=53.1 150.5
fwAVG=1.79
sdW=68.8
fwW=1.61
sdS=140.3
fwS=1.76
0 0 0 0 0 0 0 0 0


sdN=40.1
fwN=1.94
sdE=55.8
fwE=1.90
20190124T053933.0001.fits
SecZ=1.25
Focus=-0.990
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.974 +0.673 -2.670
T123=17.0 18.0 19.8
ALT/AZ=53.1 150.6
fwAVG=1.90
sdW=72.0
fwW=1.73
sdS=108.2
fwS=2.03
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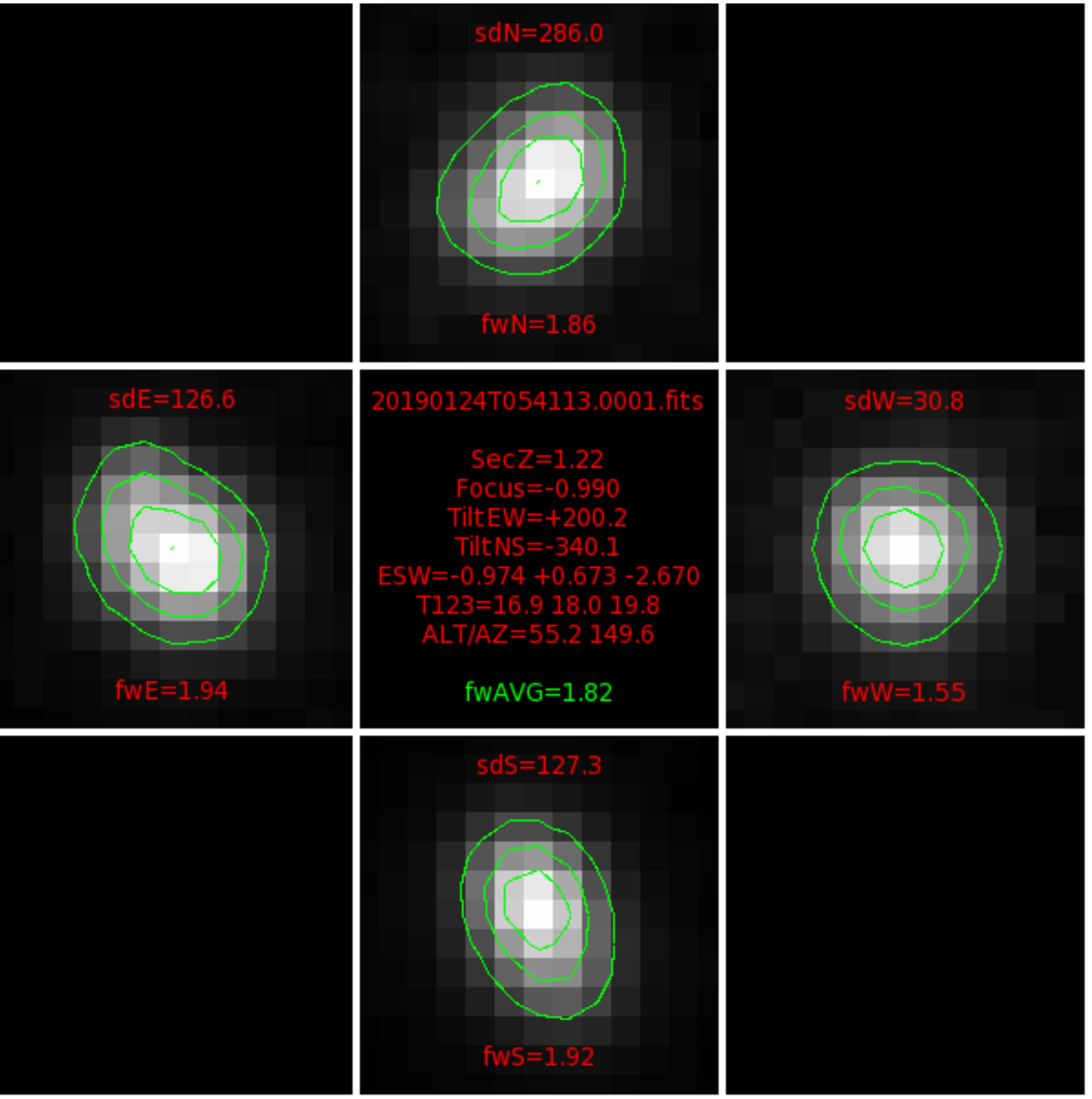
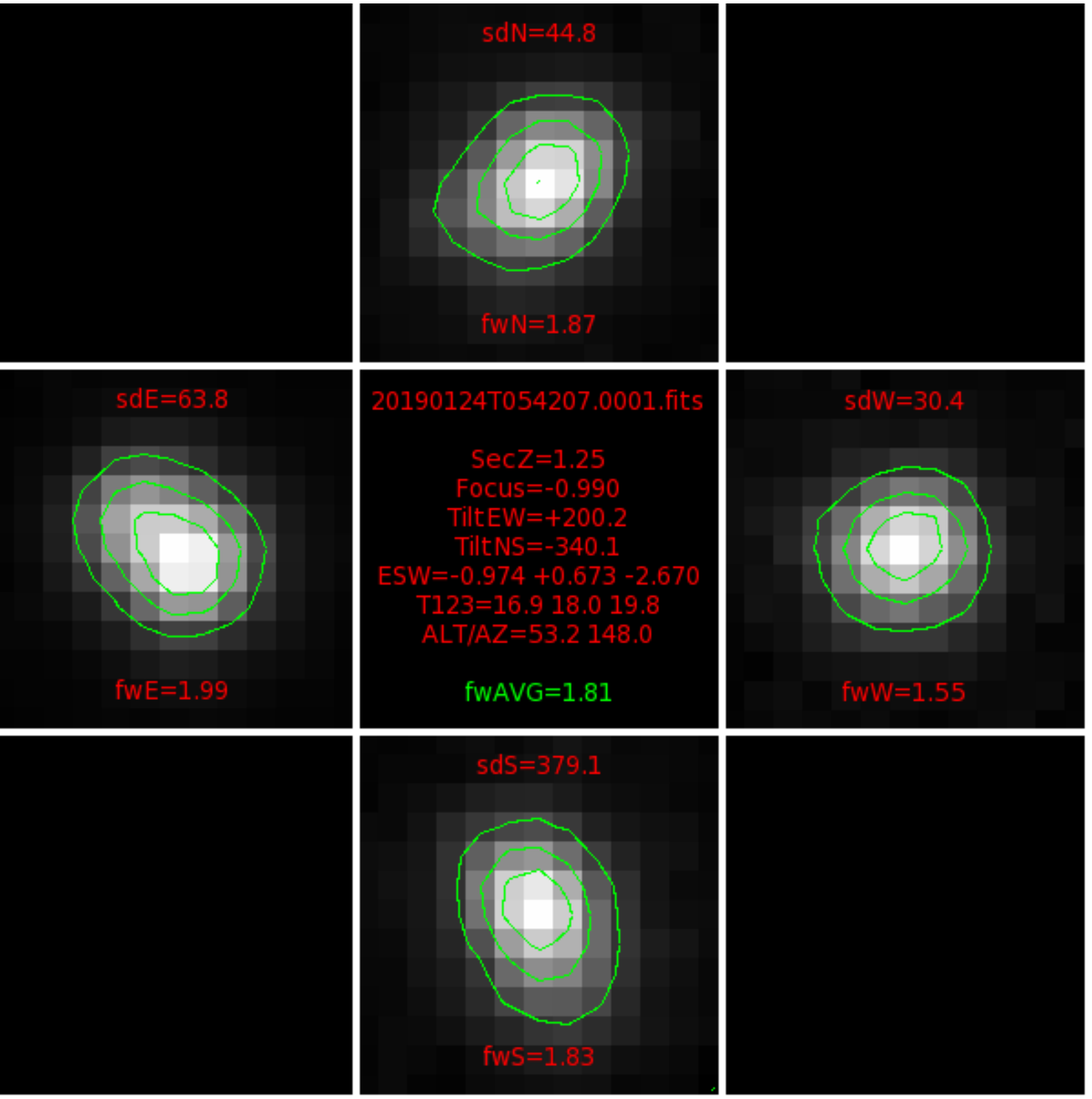

sdN=286.0
fwN=1.86
sdE=126.6
fwE=1.94
20190124T054113.0001.fits
SecZ=1.22
Focus=-0.990
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.974 +0.673 -2.670
T123=16.9 18.0 19.8
ALT/AZ=55.2 149.6
fwAVG=1.82
sdW=30.8
fwW=1.55
sdS=127.3
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=44.8
fwN=1.87
sdE=63.8
fwE=1.99
20190124T054207.0001.fits
SecZ=1.25
Focus=-0.990
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.974 +0.673 -2.670
T123=16.9 18.0 19.8
ALT/AZ=53.2 148.0
fwAVG=1.81
sdW=30.4
fwW=1.55
sdS=379.1
fwS=1.83
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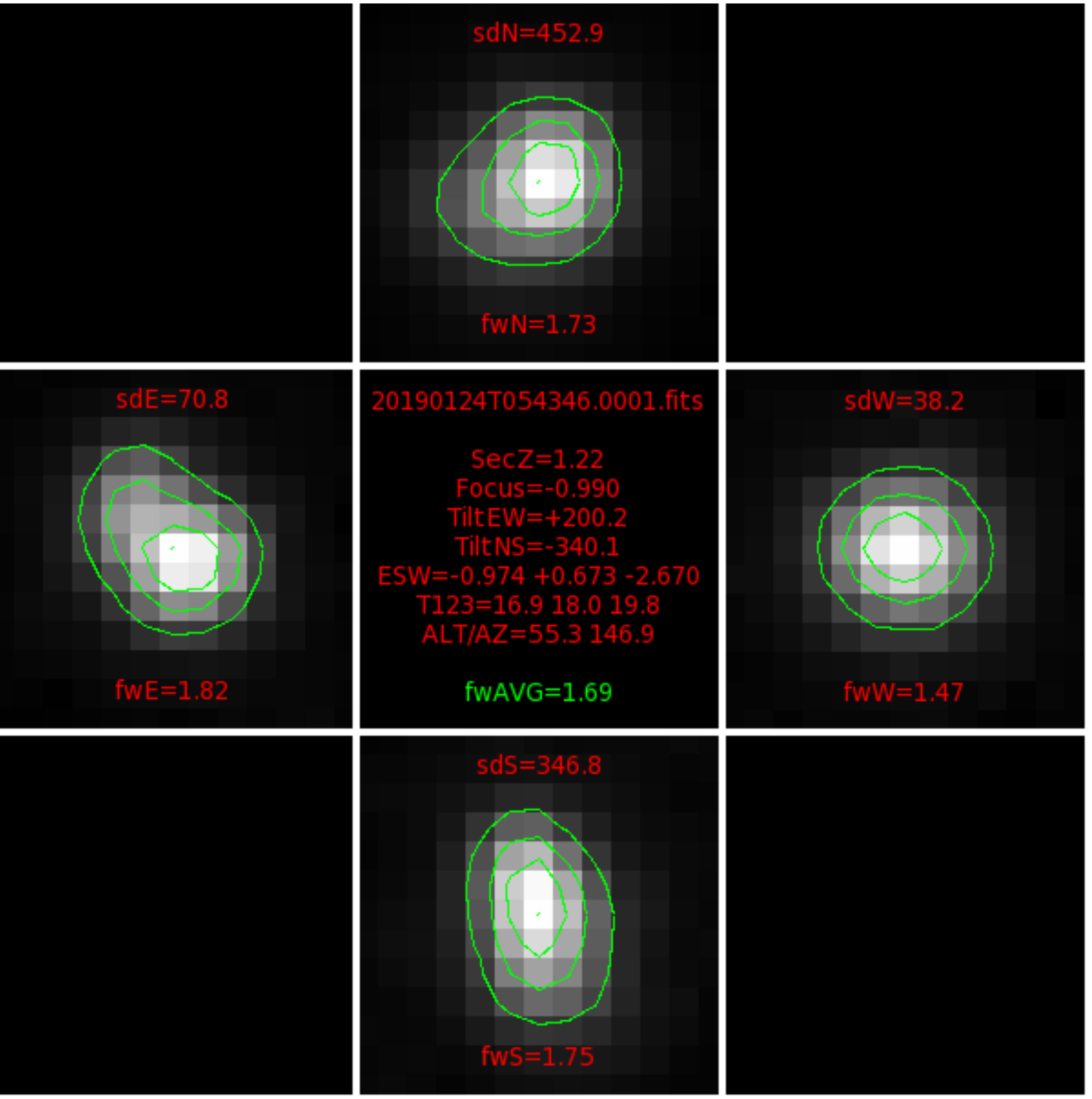
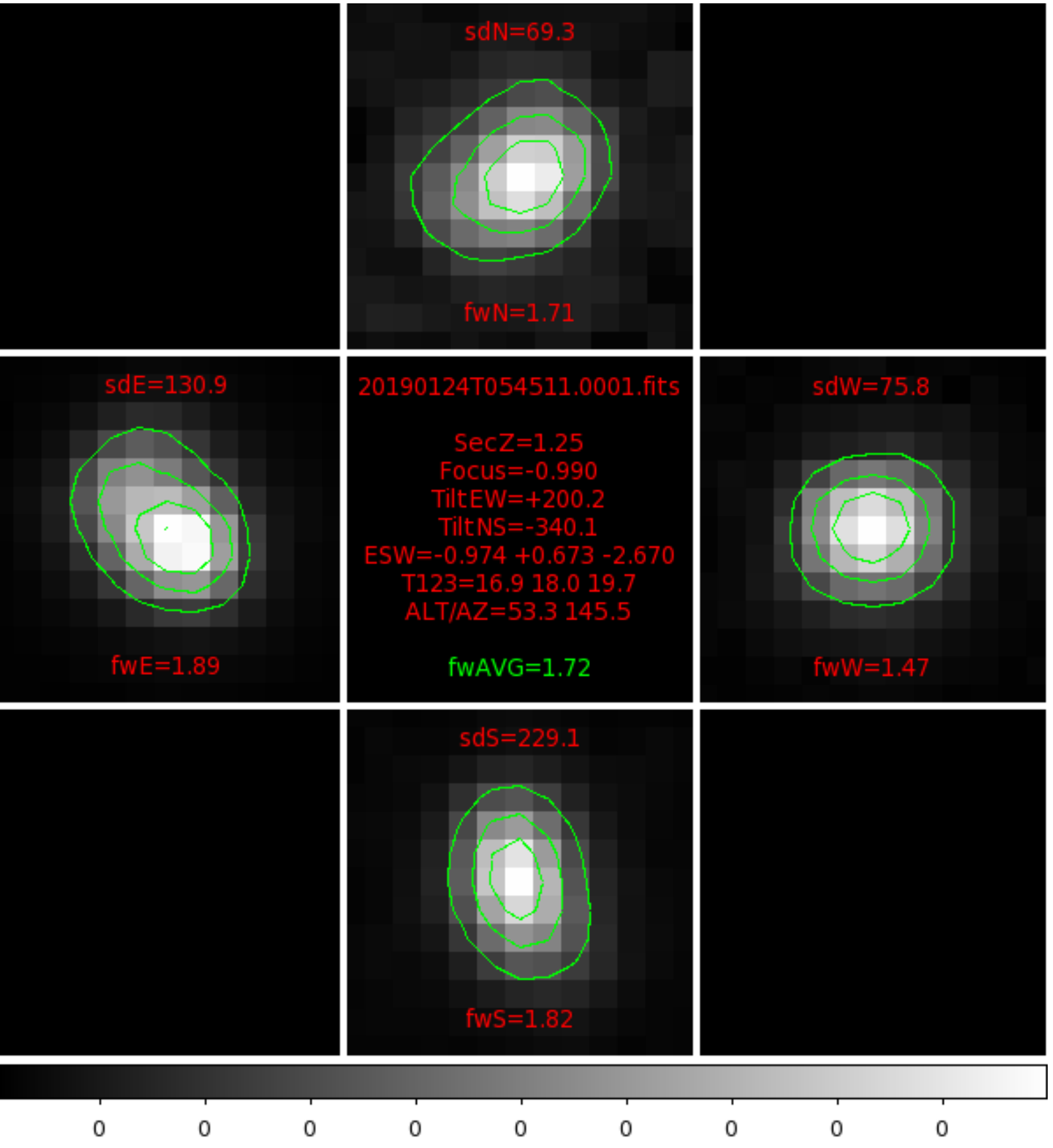
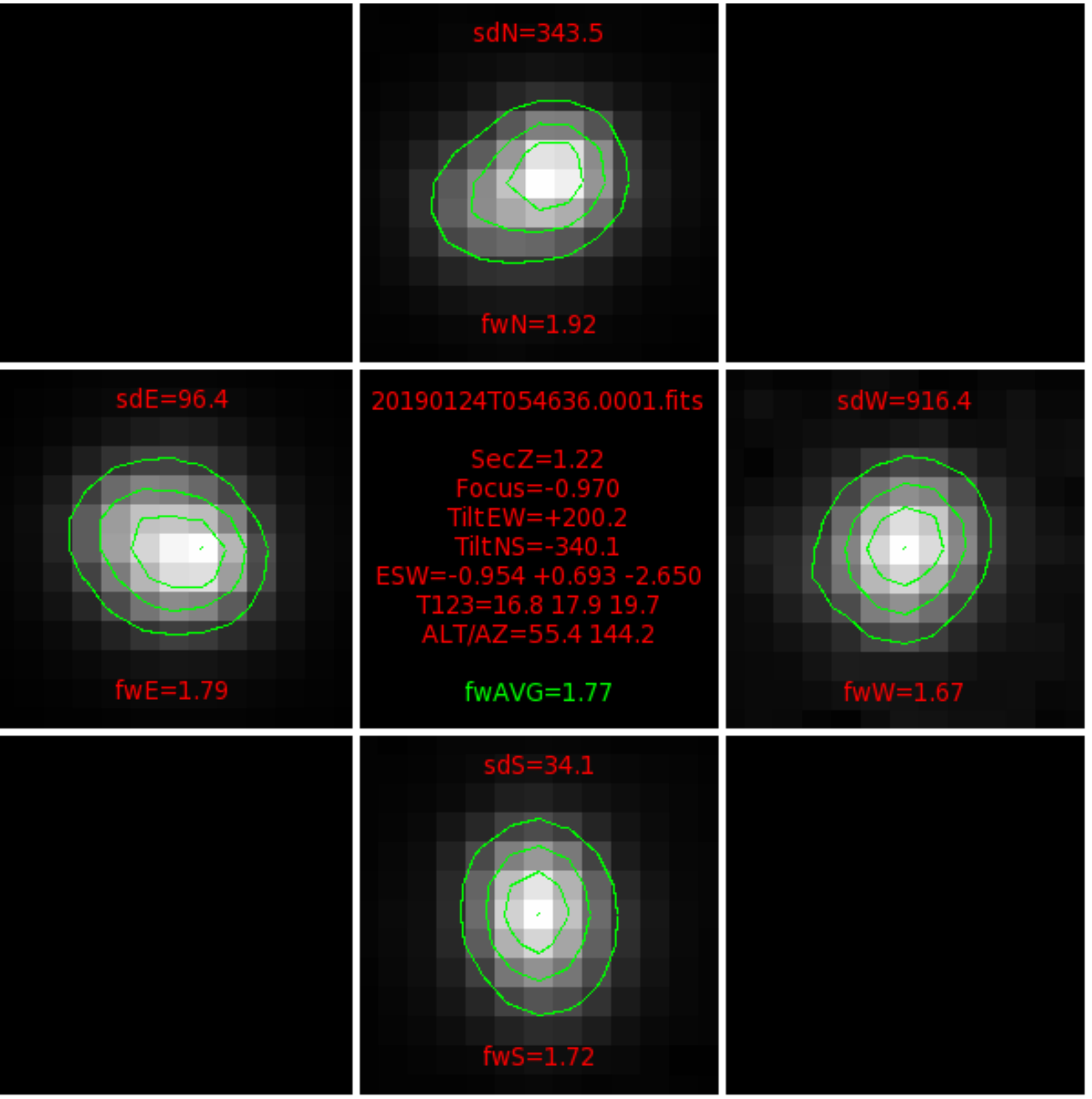
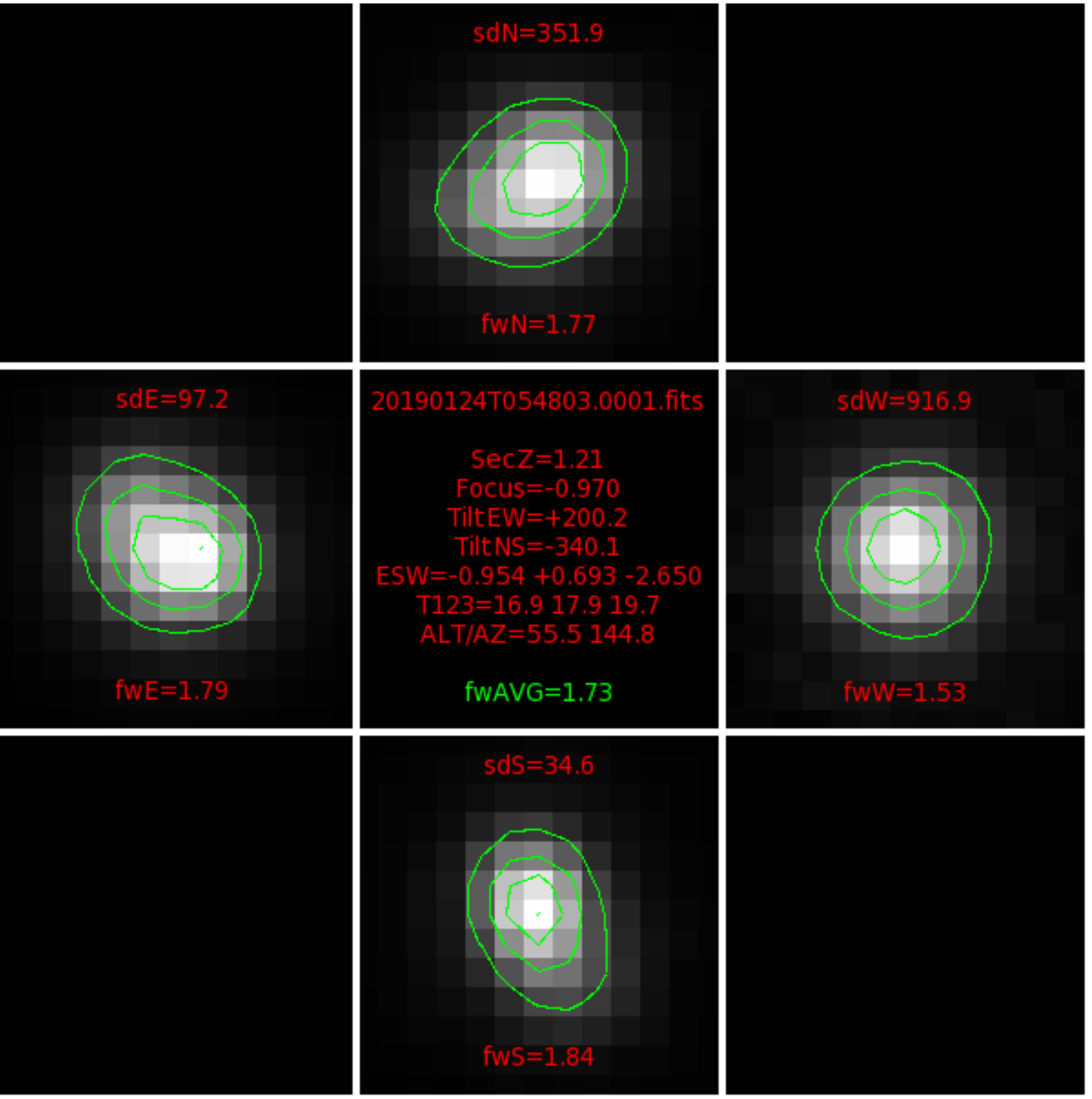
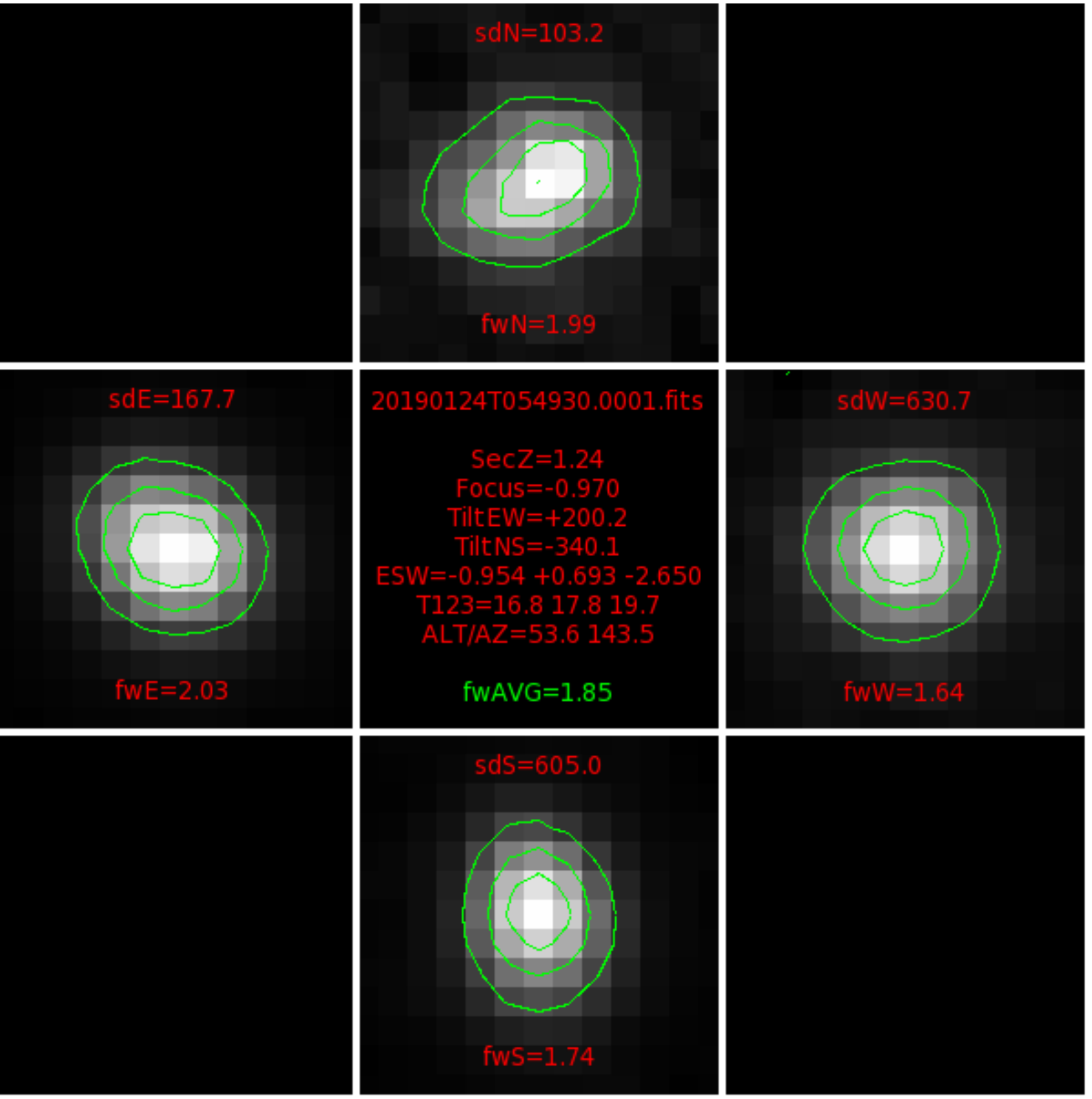
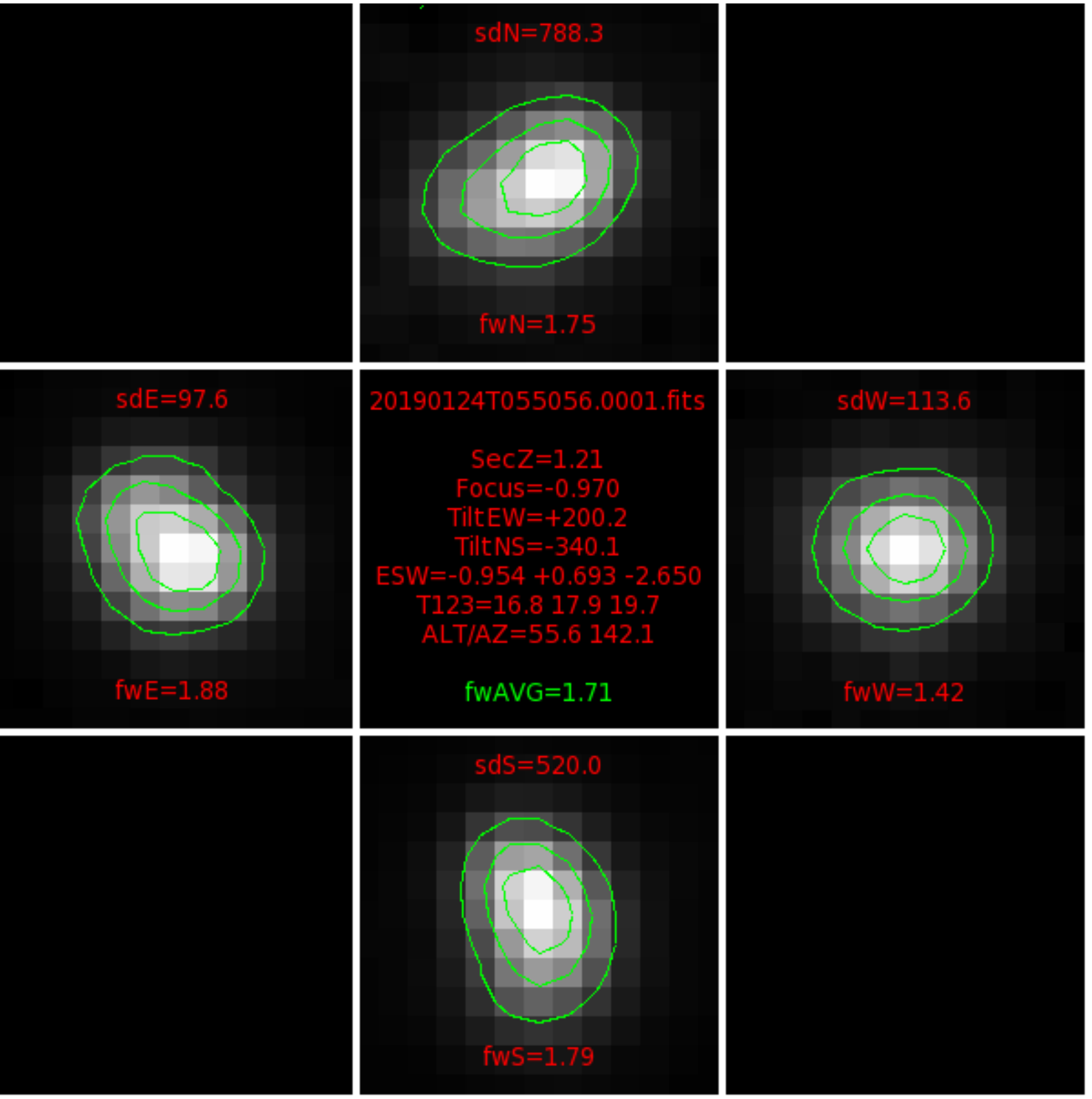

sdN=452.9
fwN=1.73
sdE=70.8
fwE=1.82
20190124T054346.0001.fits
SecZ=1.22
Focus=-0.990
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.974 +0.673 -2.670
T123=16.9 18.0 19.8
ALT/AZ=55.3 146.9
fwAVG=1.69
sdW=38.2
fwW=1.47
sdS=346.8
fwS=1.75
0 0 0 0 0 0 0 0 0

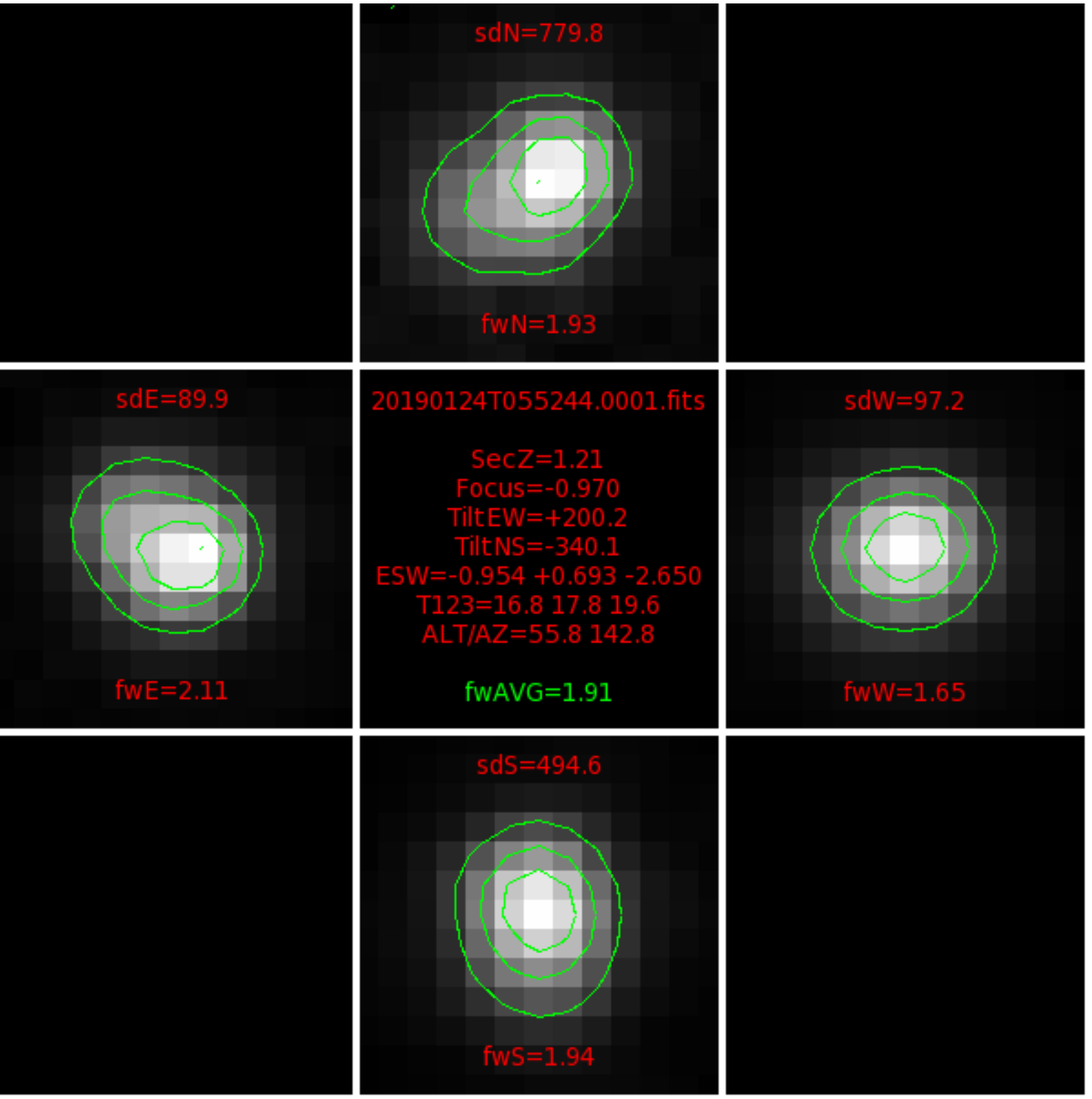

sdN=69.3
fwN=1.71
sdE=130.9
fwE=1.89
20190124T054511.0001.fits
SecZ=1.25
Focus=-0.990
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.974 +0.673 -2.670
T123=16.9 18.0 19.7
ALT/AZ=53.3 145.5
fwAVG=1.72
sdW=75.8
fwW=1.47
sdS=229.1
fwS=1.82
0 0 0 0 0 0 0 0 0


sdN=343.5
fwN=1.92
sdE=96.4
fwE=1.79
20190124T054636.0001.fits
SecZ=1.22
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.8 17.9 19.7
ALT/AZ=55.4 144.2
fwAVG=1.77
sdW=916.4
fwW=1.67
sdS=34.1
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=351.9
fwN=1.77
sdE=97.2
fwE=1.79
20190124T054803.0001.fits
SecZ=1.21
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.9 17.9 19.7
ALT/AZ=55.5 144.8
fwAVG=1.73
sdW=916.9
fwW=1.53
sdS=34.6
fwS=1.84
0 0 0 0 0 0 0 0 0


sdN=103.2
fwN=1.99
sdE=167.7
fwE=2.03
20190124T054930.0001.fits
SecZ=1.24
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.8 17.8 19.7
ALT/AZ=53.6 143.5
fwAVG=1.85
sdW=630.7
fwW=1.64
sdS=605.0
fwS=1.74
0 0 0 0 0 0 0 0 0


sdN=788.3
fwN=1.75
sdE=97.6
fwE=1.88
20190124T055056.0001.fits
SecZ=1.21
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.8 17.9 19.7
ALT/AZ=55.6 142.1
fwAVG=1.71
sdW=113.6
fwW=1.42
sdS=520.0
fwS=1.79
0 0 0 0 0 0 0 0 0


sdN=779.8
fwN=1.93
sdE=89.9
fwE=2.11
20190124T055244.0001.fits
SecZ=1.21
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.8 17.8 19.6
ALT/AZ=55.8 142.8
fwAVG=1.91
sdW=97.2
fwW=1.65
sdS=494.6
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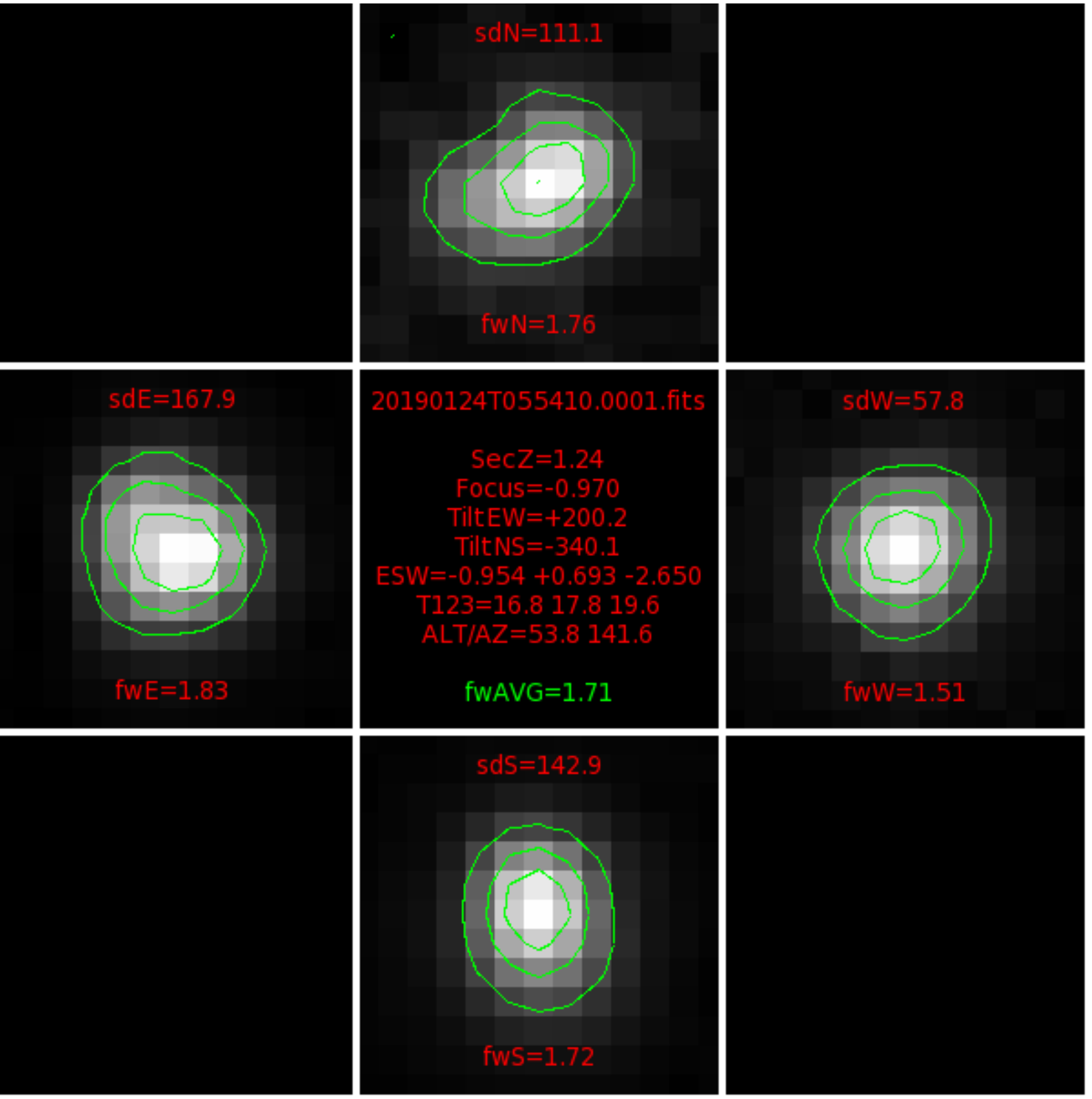
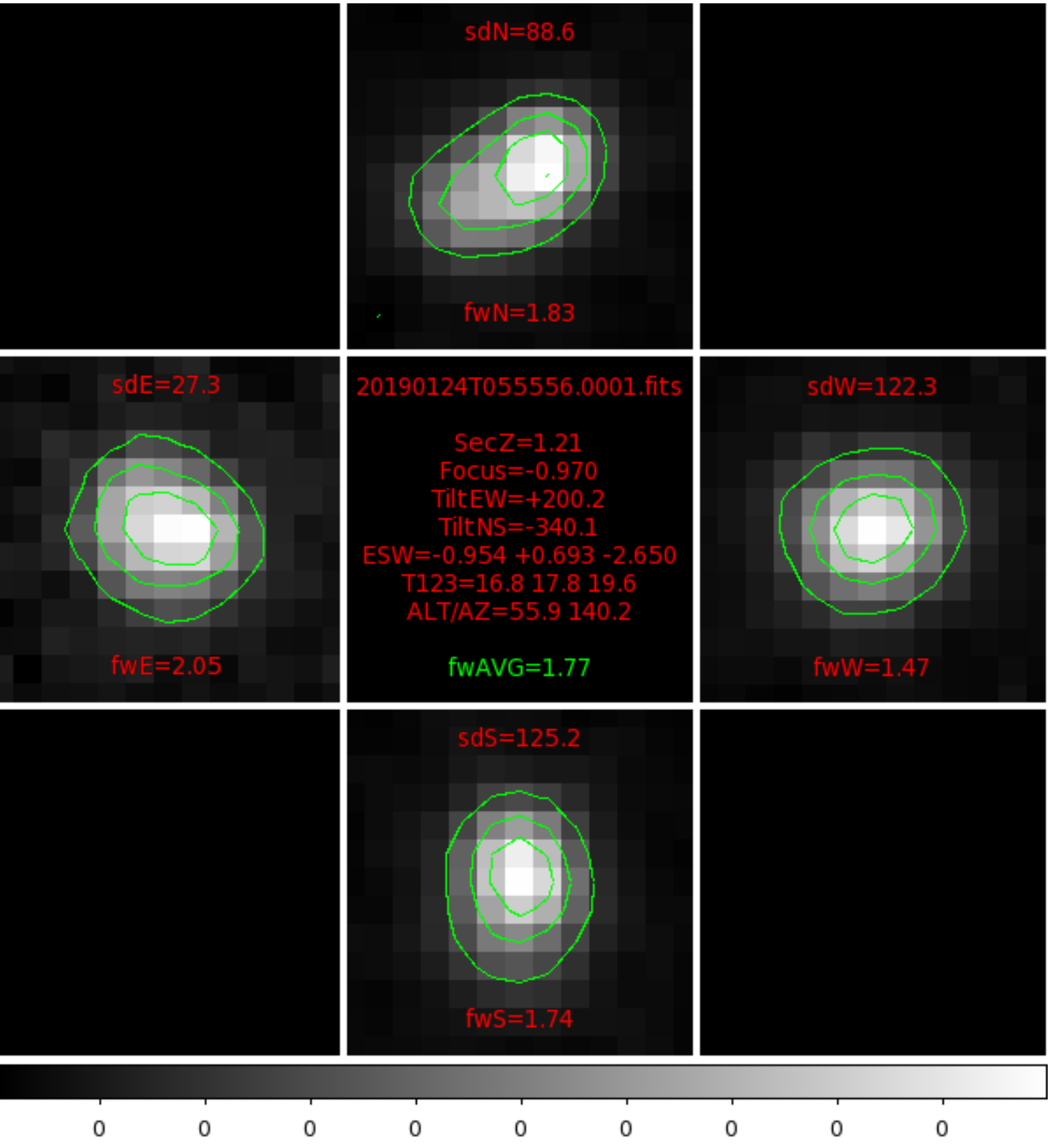
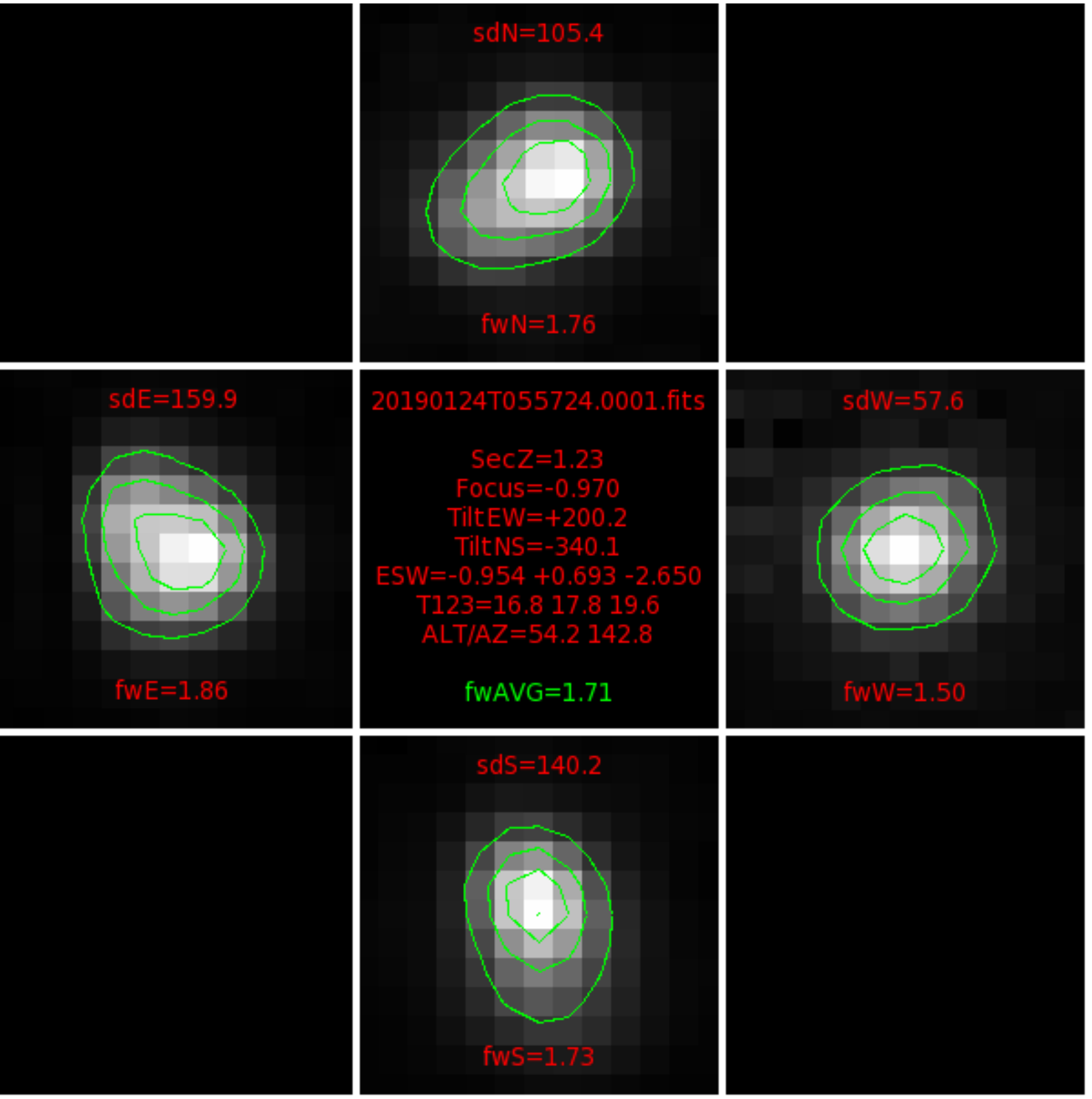

sdN=111.1
fwN=1.76
sdE=167.9
fwE=1.83
20190124T055410.0001.fits
SecZ=1.24
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.8 17.8 19.6
ALT/AZ=53.8 141.6
fwAVG=1.71
sdW=57.8
fwW=1.51
sdS=142.9
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=88.6
fwN=1.83
sdE=27.3
fwE=2.05
20190124T055556.0001.fits
SecZ=1.21
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.8 17.8 19.6
ALT/AZ=55.9 140.2
fwAVG=1.77
sdW=122.3
fwW=1.47
sdS=125.2
fwS=1.74
0 0 0 0 0 0 0 0 0


sdN=105.4
fwN=1.76
sdE=159.9
fwE=1.86
20190124T055724.0001.fits
SecZ=1.23
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.8 17.8 19.6
ALT/AZ=54.2 142.8
fwAVG=1.71
sdW=57.6
fwW=1.50
sdS=140.2
fwS=1.73
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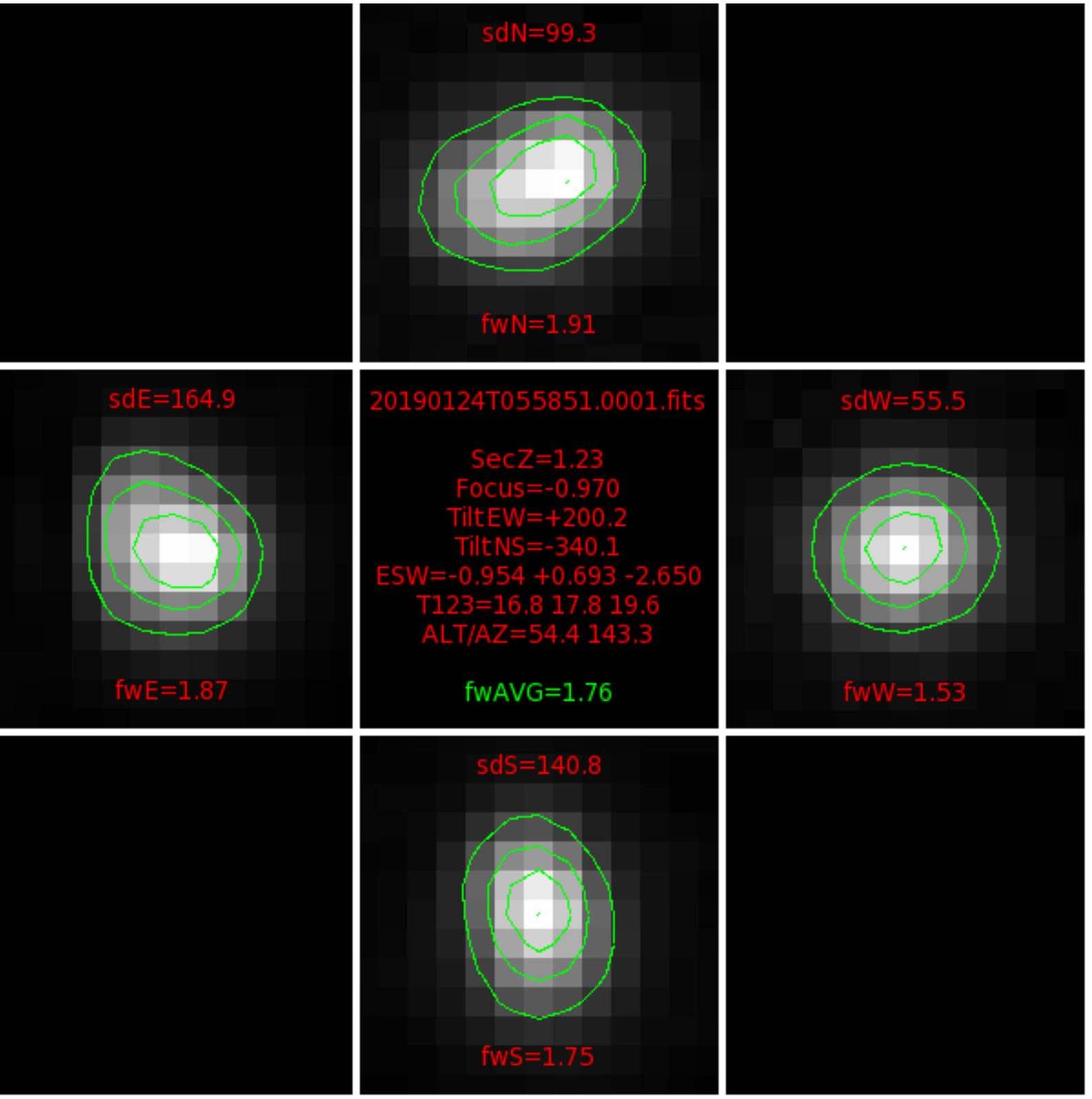
sdN=99.3
fwN=1.91
sdE=164.9
fwE=1.87
20190124T055851.0001.fits
SecZ=1.23
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.8 17.8 19.6
ALT/AZ=54.4 143.3
fwAVG=1.76
sdW=55.5
fwW=1.53
sdS=140.8
fwS=1.75
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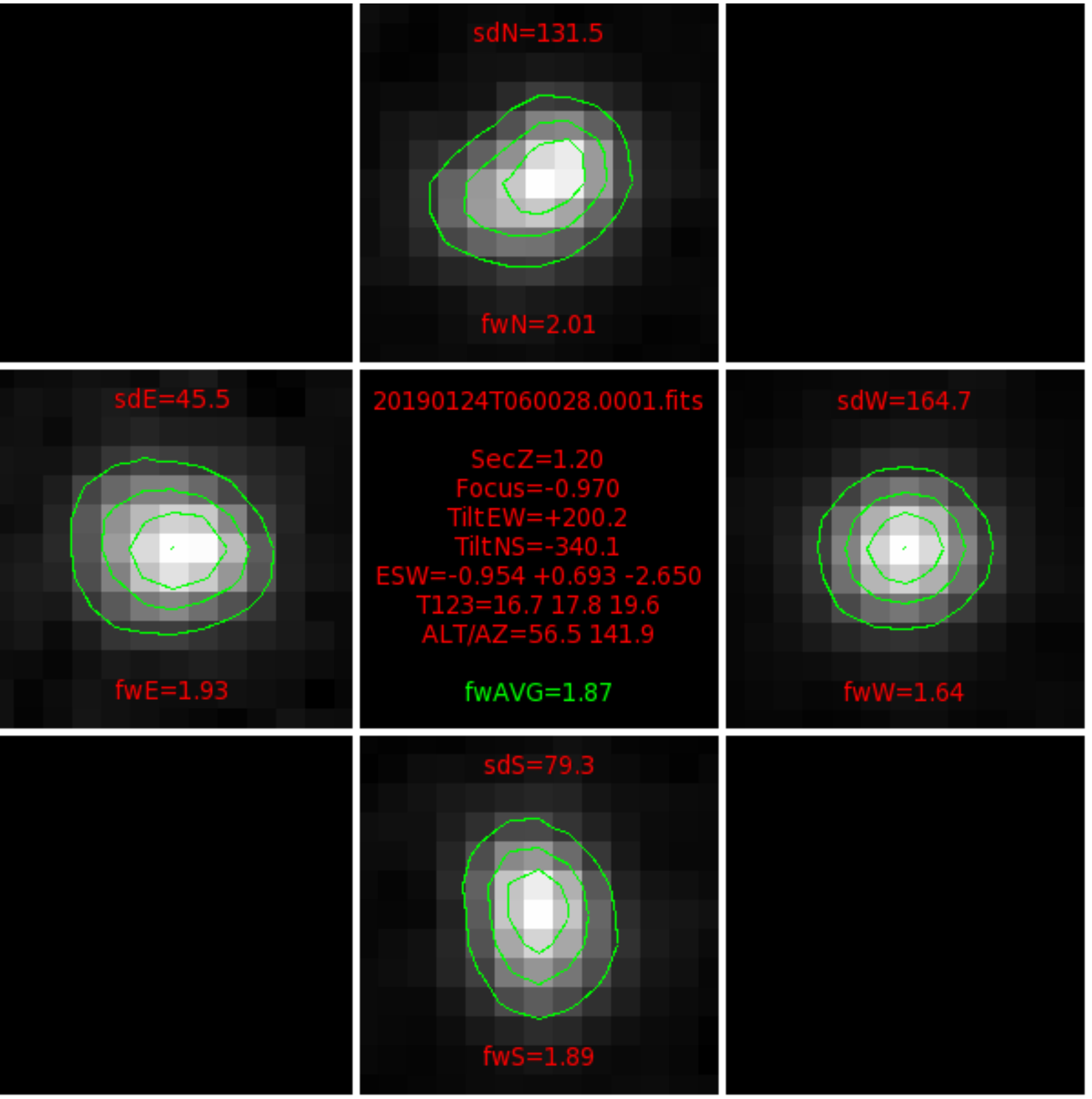
sdN=131.5
fwN=2.01
sdE=45.5
fwE=1.93
20190124T060028.0001.fits
SecZ=1.20
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.7 17.8 19.6
ALT/AZ=56.5 141.9
fwAVG=1.87
sdW=164.7
fwW=1.64
sdS=79.3
fwS=1.89
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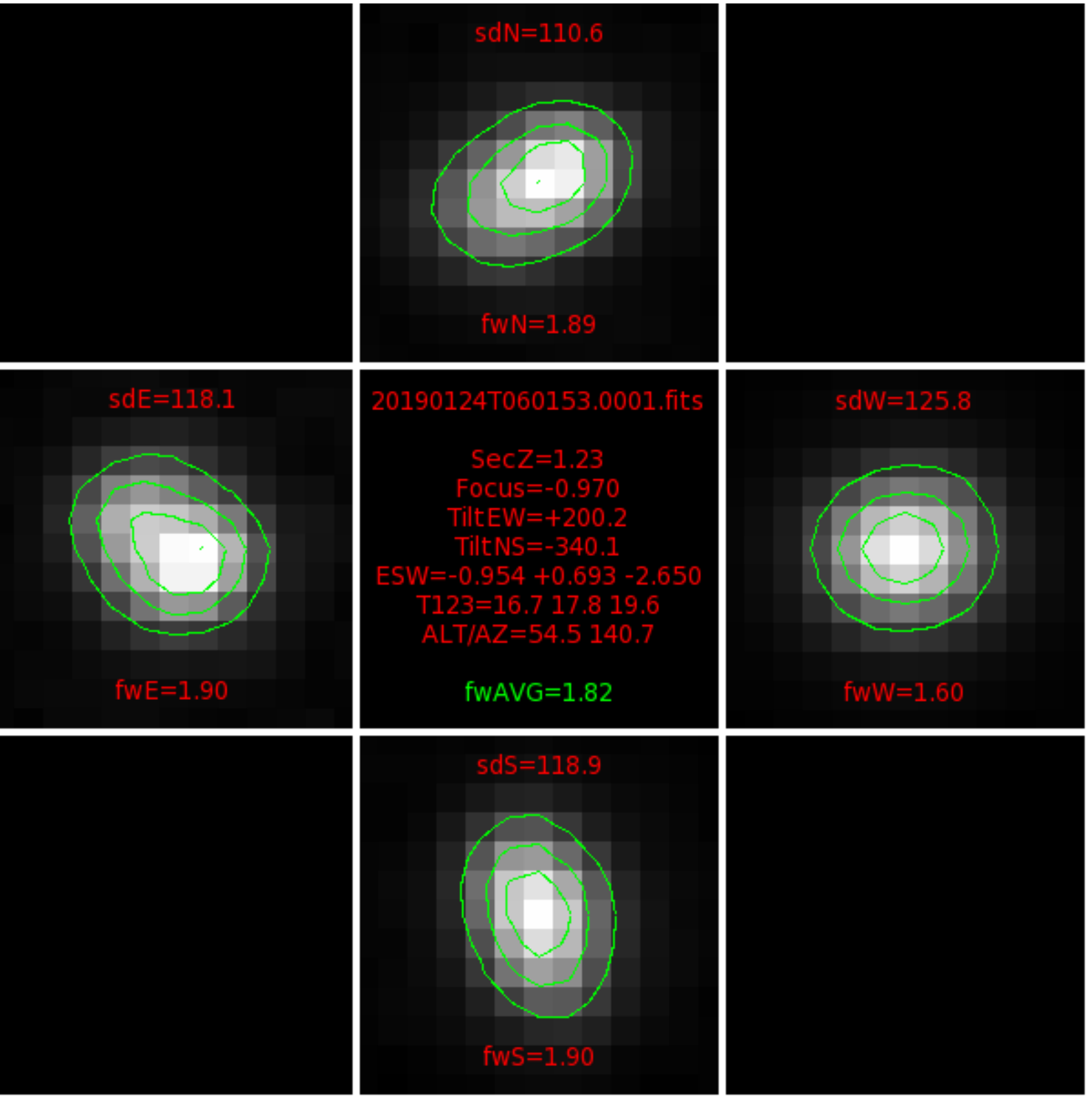
sdN=110.6
fwN=1.89
sdE=118.1
fwE=1.90
20190124T060153.0001.fits
SecZ=1.23
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.7 17.8 19.6
ALT/AZ=54.5 140.7
fwAVG=1.82
sdW=125.8
fwW=1.60
sdS=118.9
fwS=1.90
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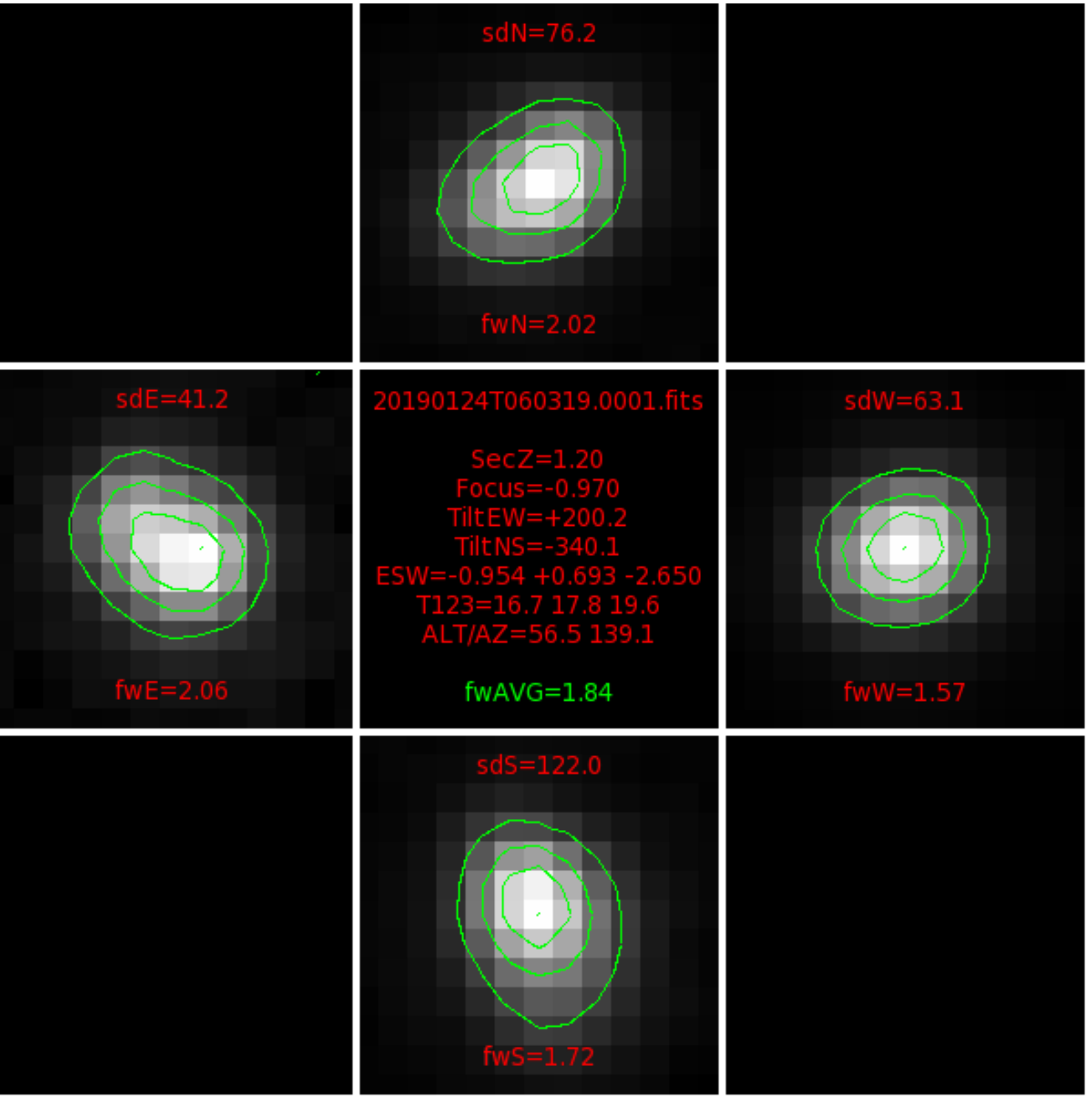
sdN=76.2
fwN=2.02
sdE=41.2
fwE=2.06
20190124T060319.0001.fits
SecZ=1.20
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.7 17.8 19.6
ALT/AZ=56.5 139.1
fwAVG=1.84
sdW=63.1
fwW=1.57
sdS=122.0
fwS=1.72
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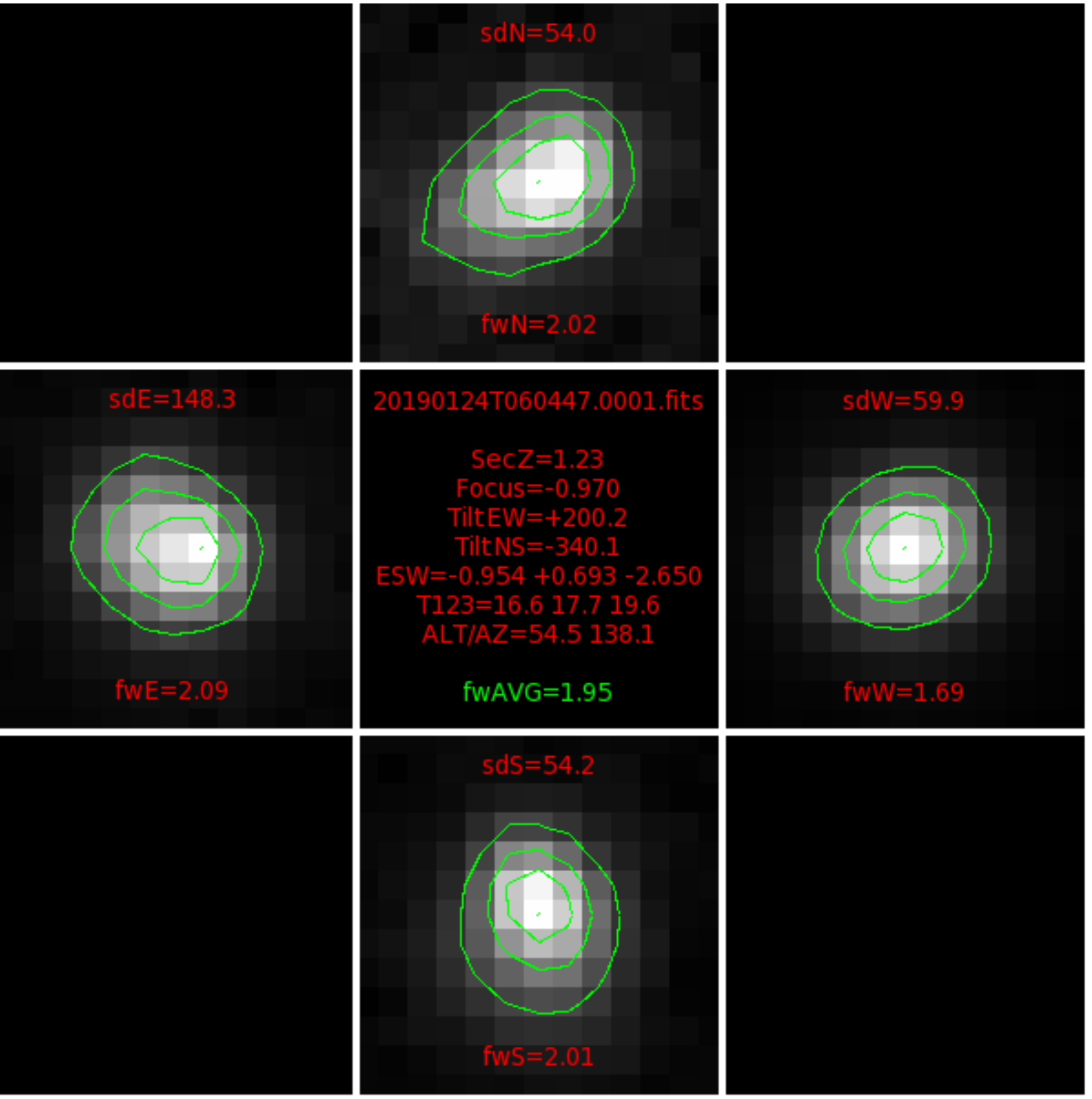
sdN=54.0
fwN=2.02
sdE=148.3
fwE=2.09
20190124T060447.0001.fits
SecZ=1.23
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.6 17.7 19.6
ALT/AZ=54.5 138.1
fwAVG=1.95
sdW=59.9
fwW=1.69
sdS=54.2
fwS=2.01
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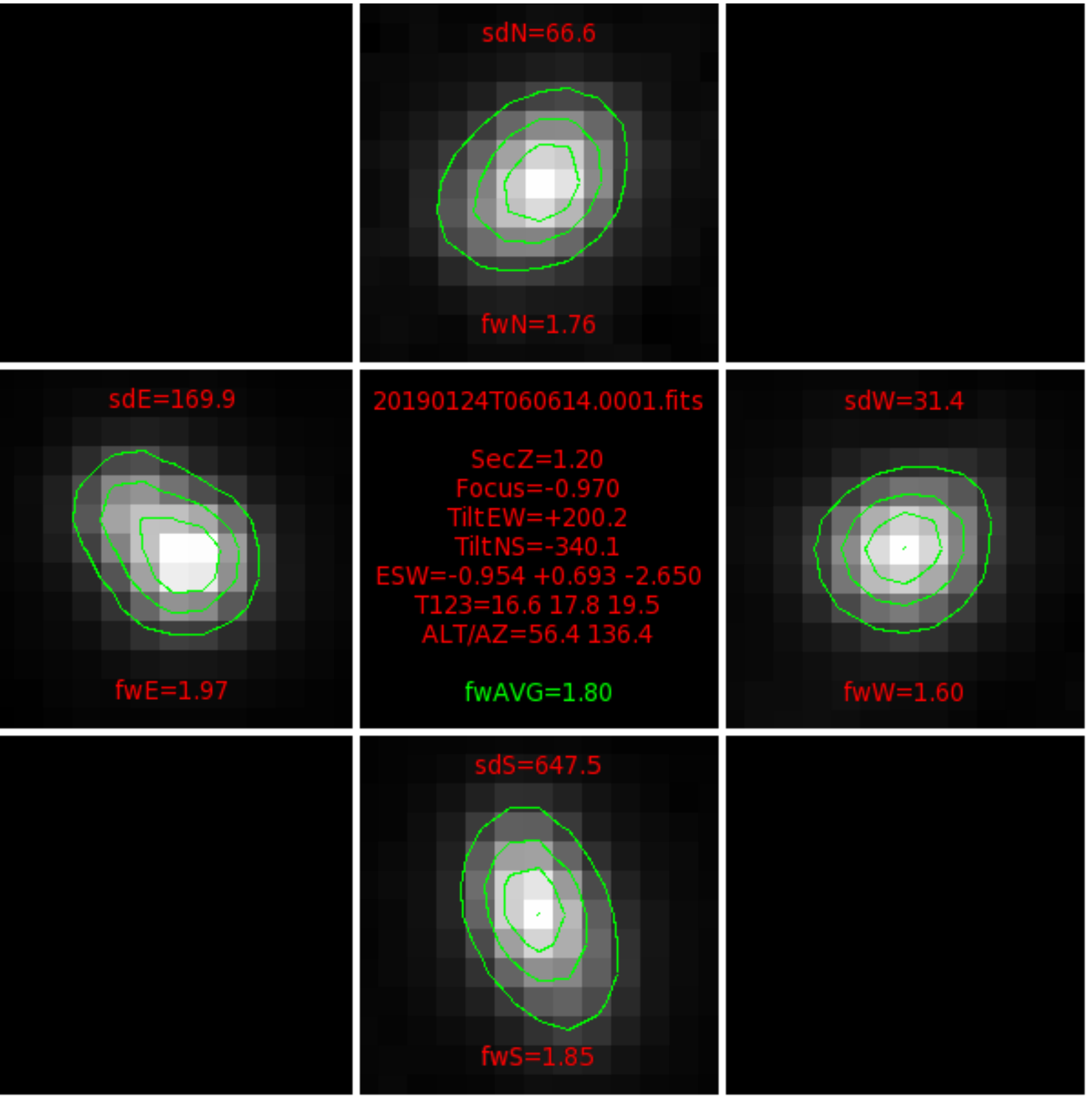
sdN=66.6
fwN=1.76
sdE=169.9
fwE=1.97
20190124T060614.0001.fits
SecZ=1.20
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.6 17.8 19.5
ALT/AZ=56.4 136.4
fwAVG=1.80
sdW=31.4
fwW=1.60
sdS=647.5
fwS=1.85
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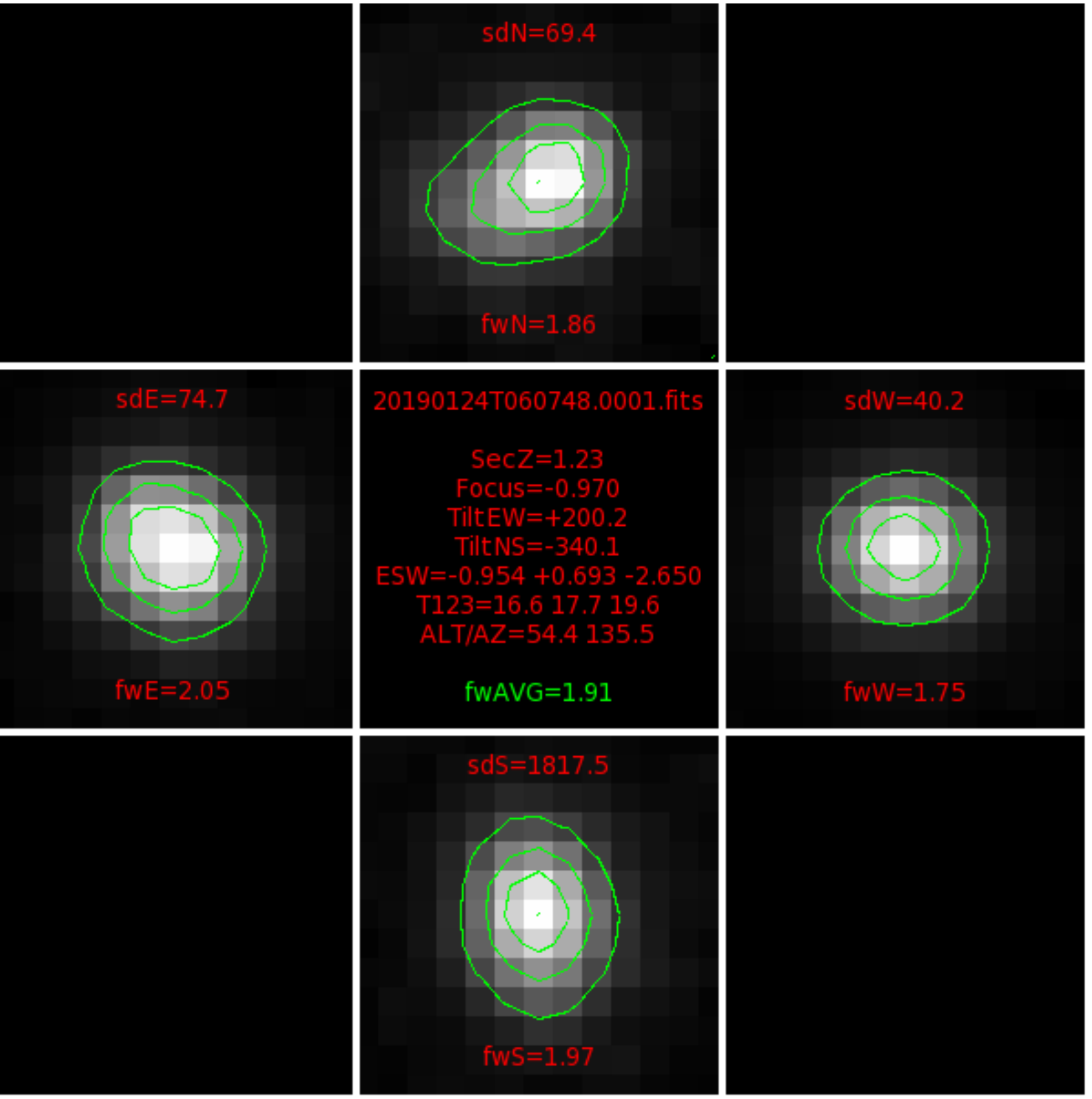
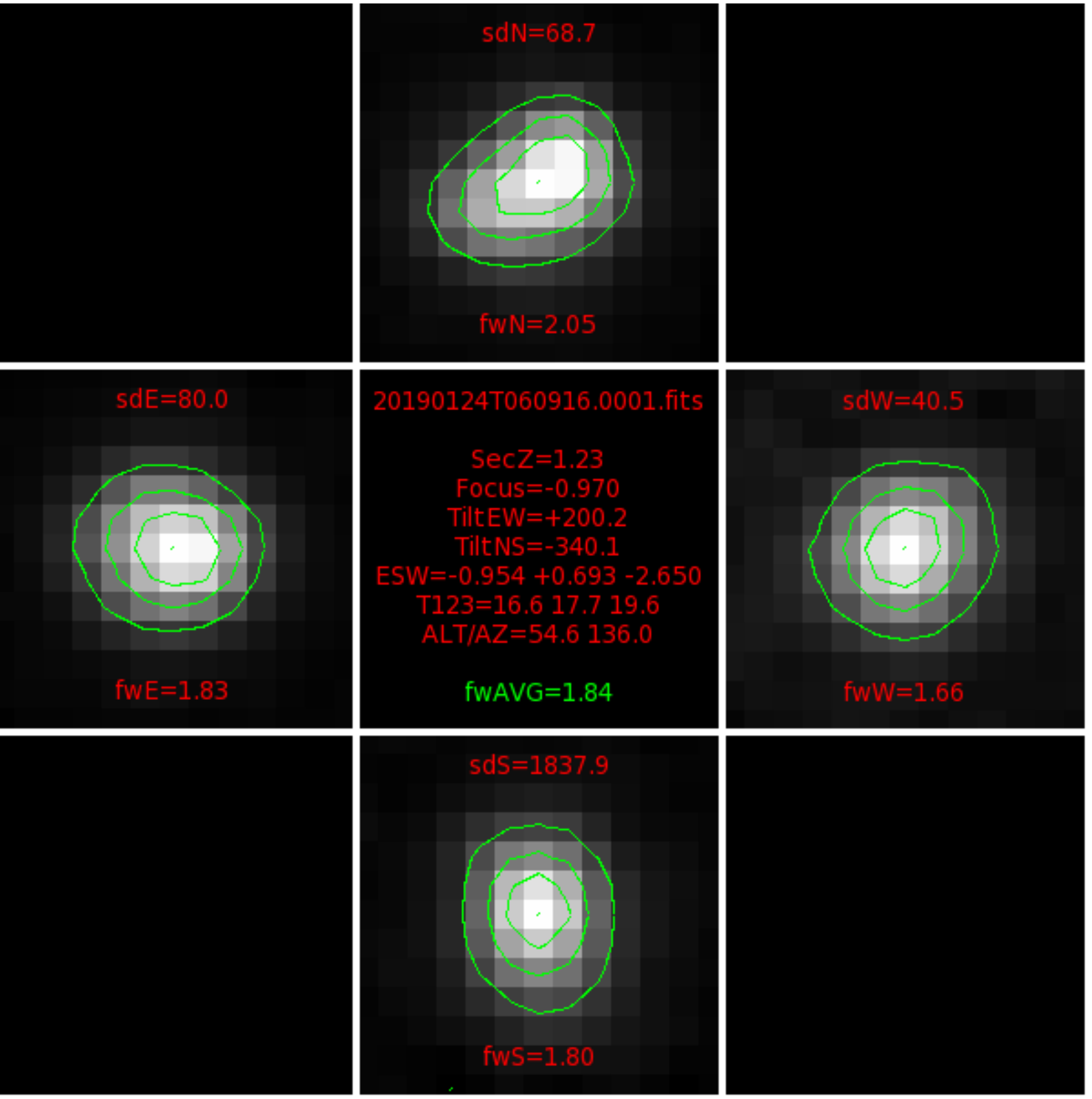

sdN=69.4
fwN=1.86
sdE=74.7
fwE=2.05
20190124T060748.0001.fits
SecZ=1.23
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.6 17.7 19.6
ALT/AZ=54.4 135.5
fwAVG=1.91
sdW=40.2
fwW=1.75
sdS=1817.5
fwS=1.97
0 0 0 0 0 0 0 0 0


sdN=68.7
fwN=2.05
sdE=80.0
fwE=1.83
20190124T060916.0001.fits
SecZ=1.23
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.6 17.7 19.6
ALT/AZ=54.6 136.0
fwAVG=1.84
sdW=40.5
fwW=1.66
sdS=1837.9
fwS=1.80
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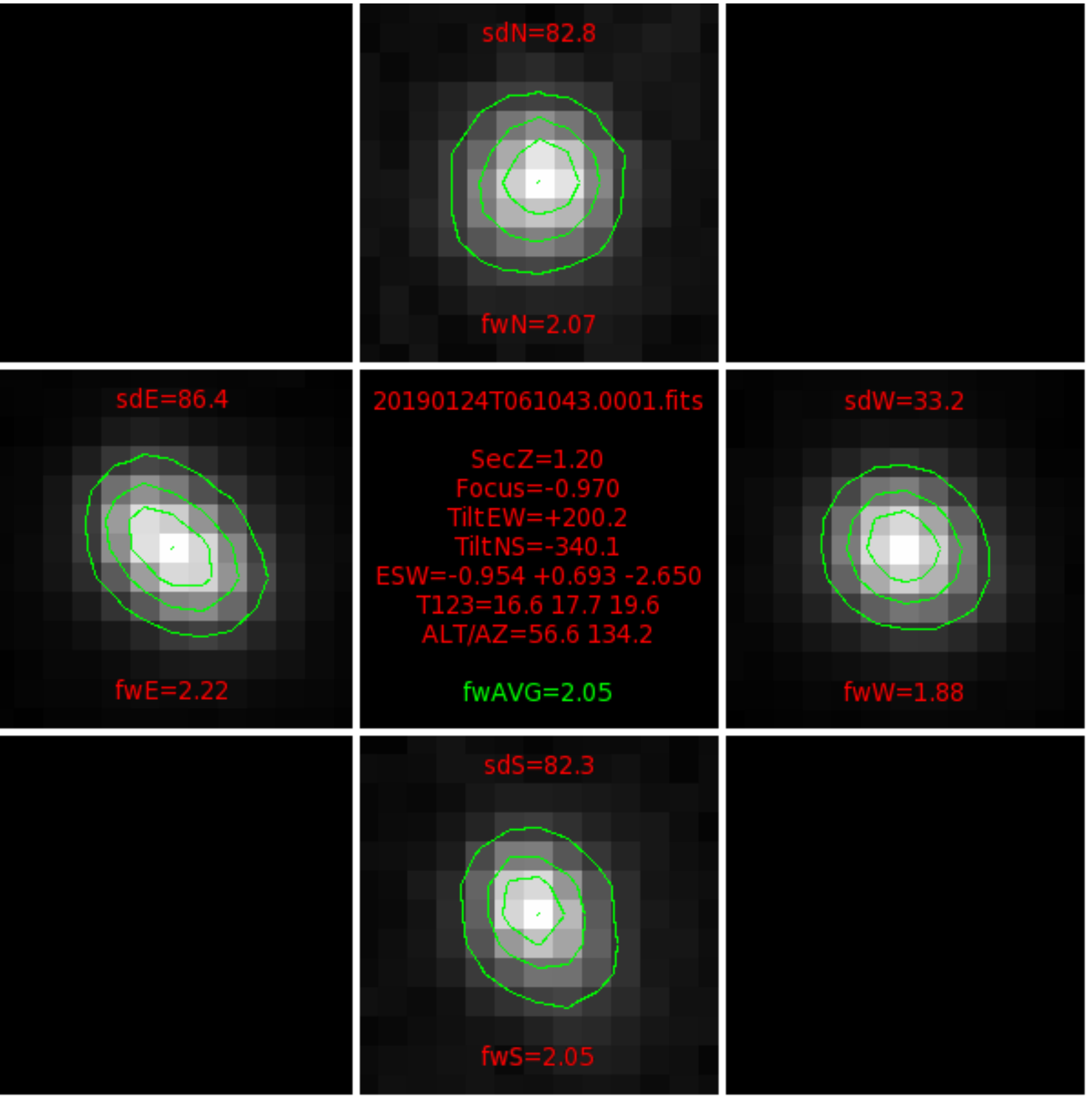
sdN=82.8
fwN=2.07
sdE=86.4
fwE=2.22
20190124T061043.0001.fits
SecZ=1.20
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.6 17.7 19.6
ALT/AZ=56.6 134.2
fwAVG=2.05
sdW=33.2
fwW=1.88
sdS=82.3
fwS=2.05
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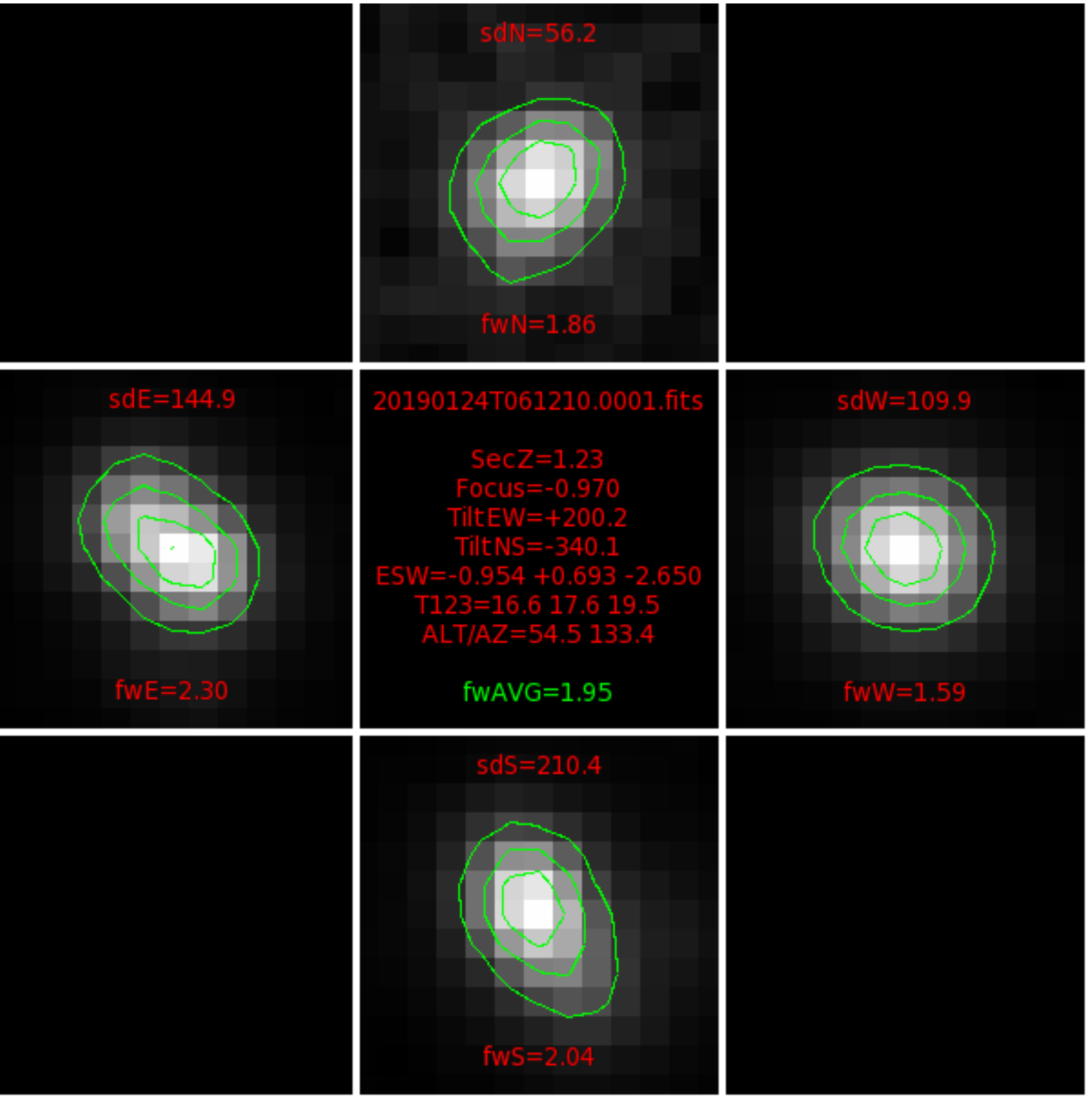
sdN=56.2
fwN=1.86
sdE=144.9
fwE=2.30
20190124T061210.0001.fits
SecZ=1.23
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.6 17.6 19.5
ALT/AZ=54.5 133.4
fwAVG=1.95
sdW=109.9
fwW=1.59
sdS=210.4
fwS=2.04
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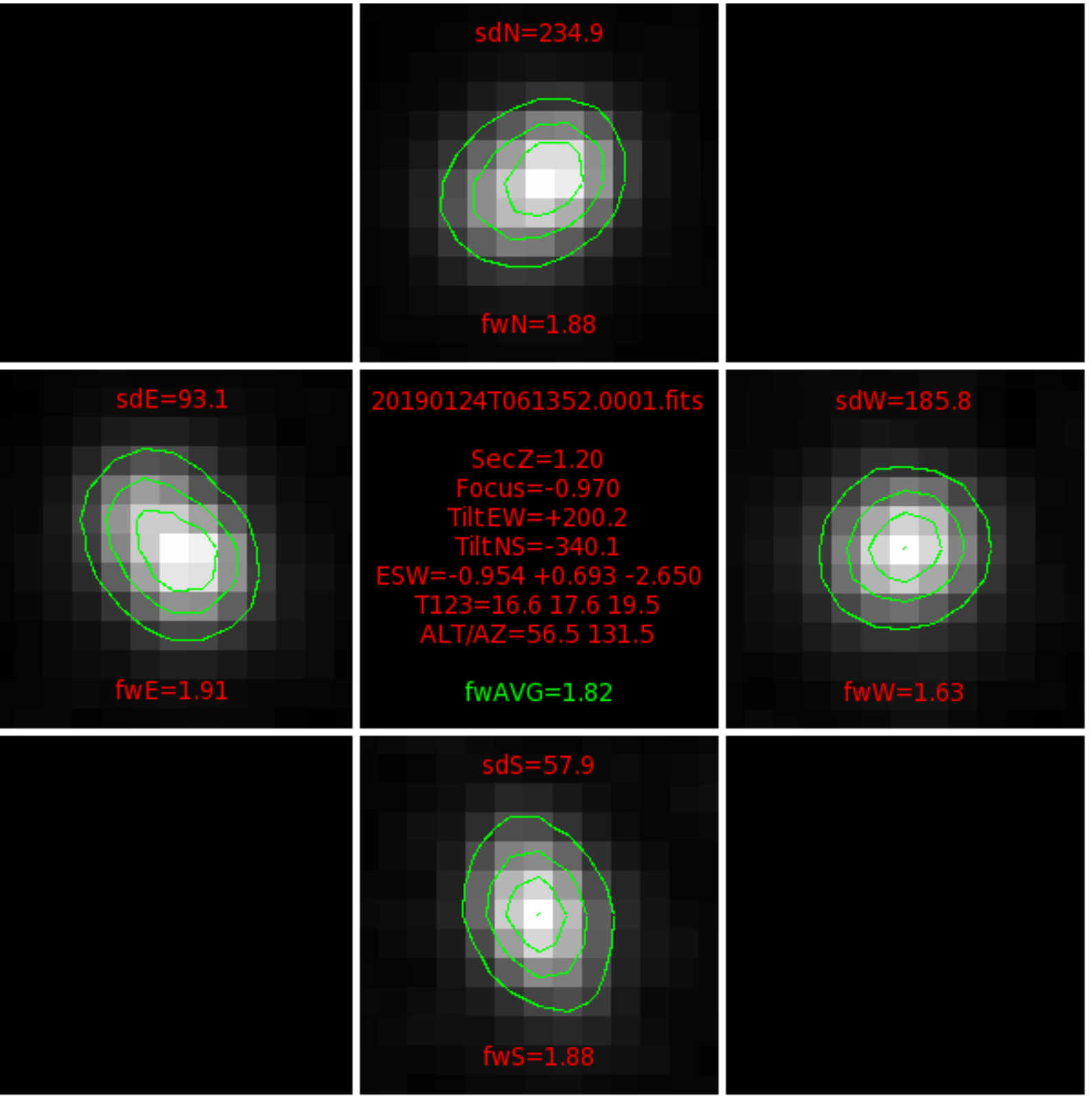
sdN=234.9
fwN=1.88
sdE=93.1
fwE=1.91
20190124T061352.0001.fits
SecZ=1.20
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.6 17.6 19.5
ALT/AZ=56.5 131.5
fwAVG=1.82
sdW=185.8
fwW=1.63
sdS=57.9
fwS=1.88
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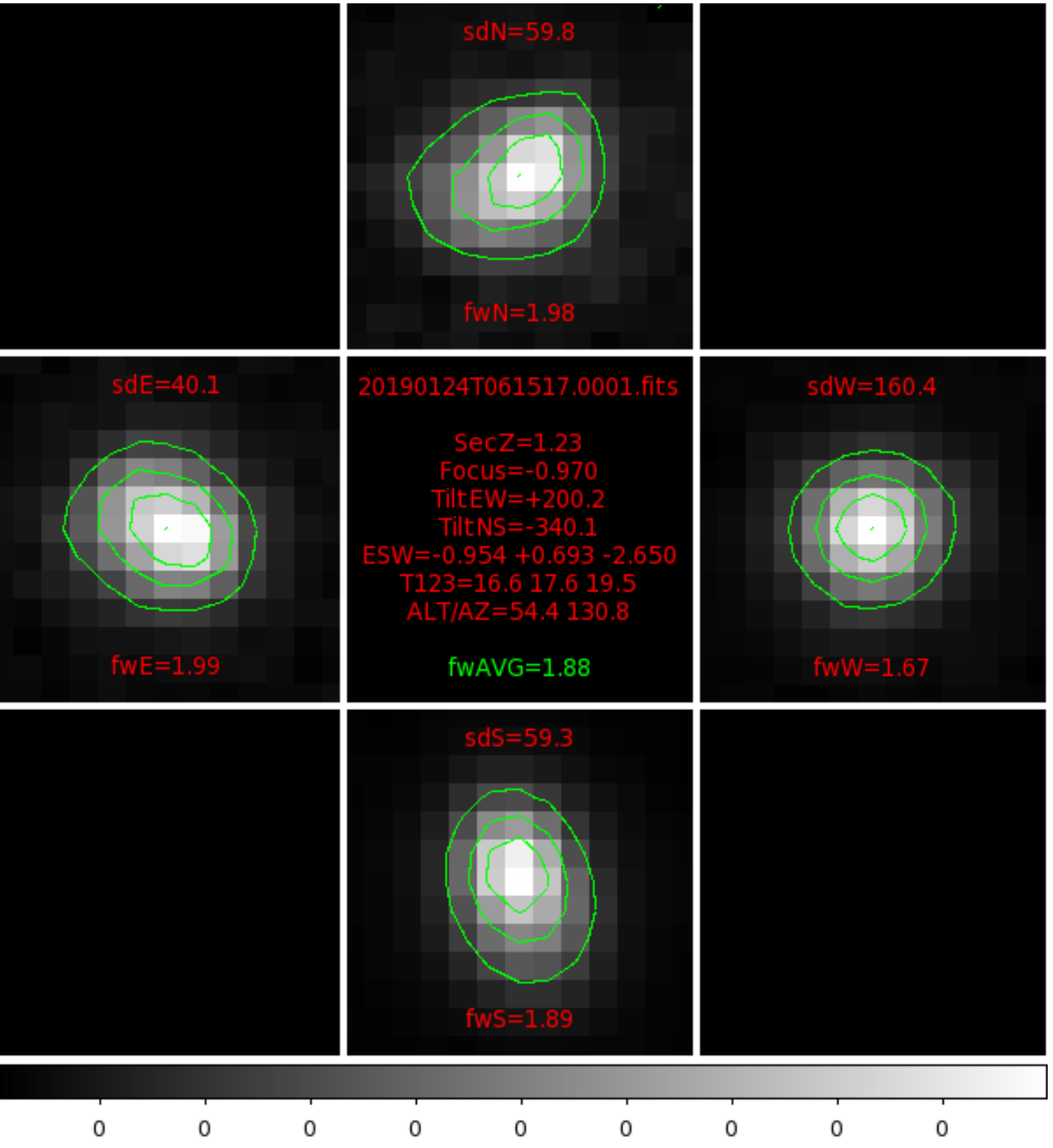
sdN=59.8
fwN=1.98
sdE=40.1
fwE=1.99
20190124T061517.0001.fits
SecZ=1.23
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.6 17.6 19.5
ALT/AZ=54.4 130.8
fwAVG=1.88
sdW=160.4
fwW=1.67
sdS=59.3
fwS=1.89
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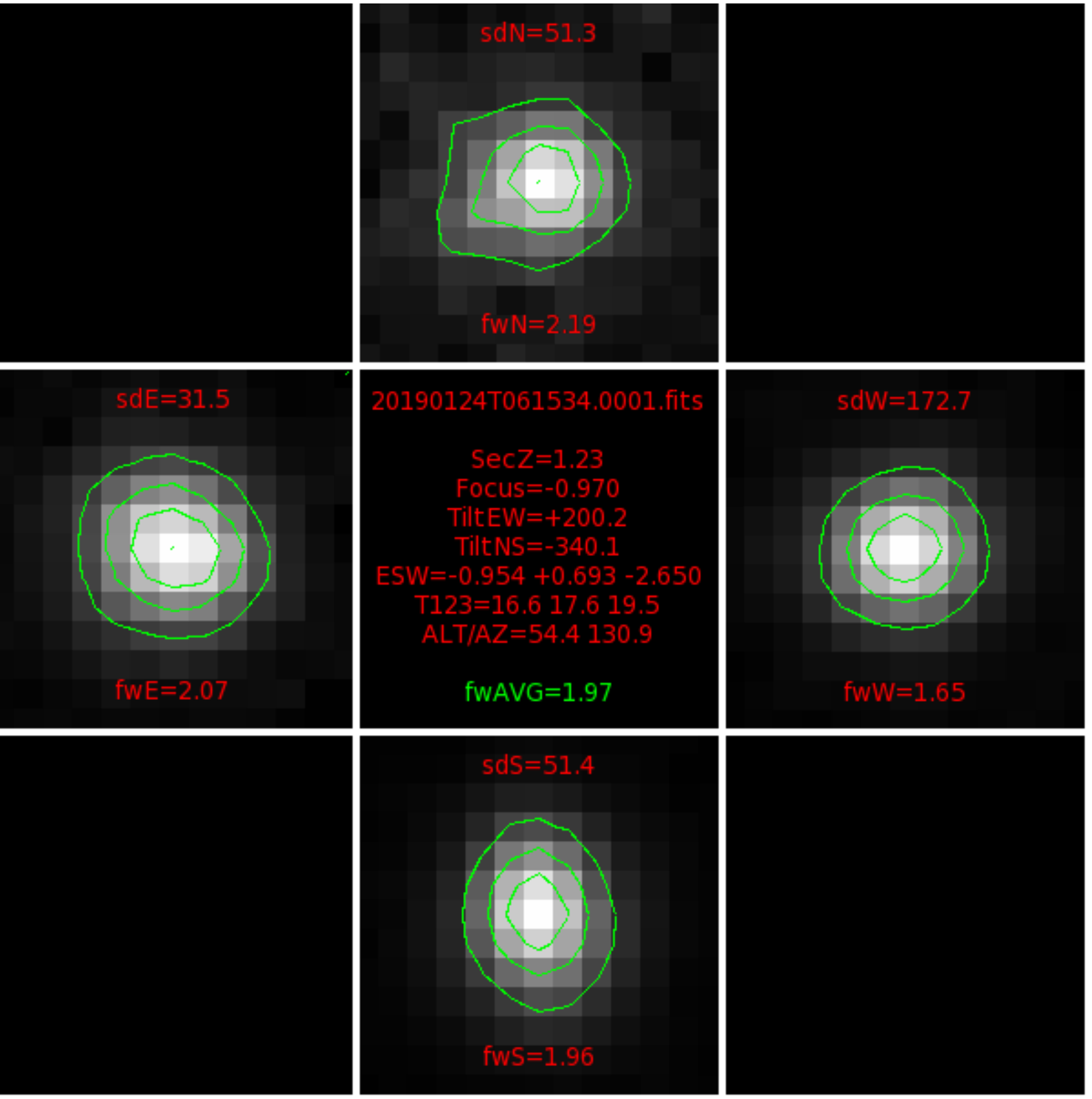
sdN=51.3
fwN=2.19
sdE=31.5
fwE=2.07
20190124T061534.0001.fits
SecZ=1.23
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.6 17.6 19.5
ALT/AZ=54.4 130.9
fwAVG=1.97
sdW=172.7
fwW=1.65
sdS=51.4
fwS=1.96
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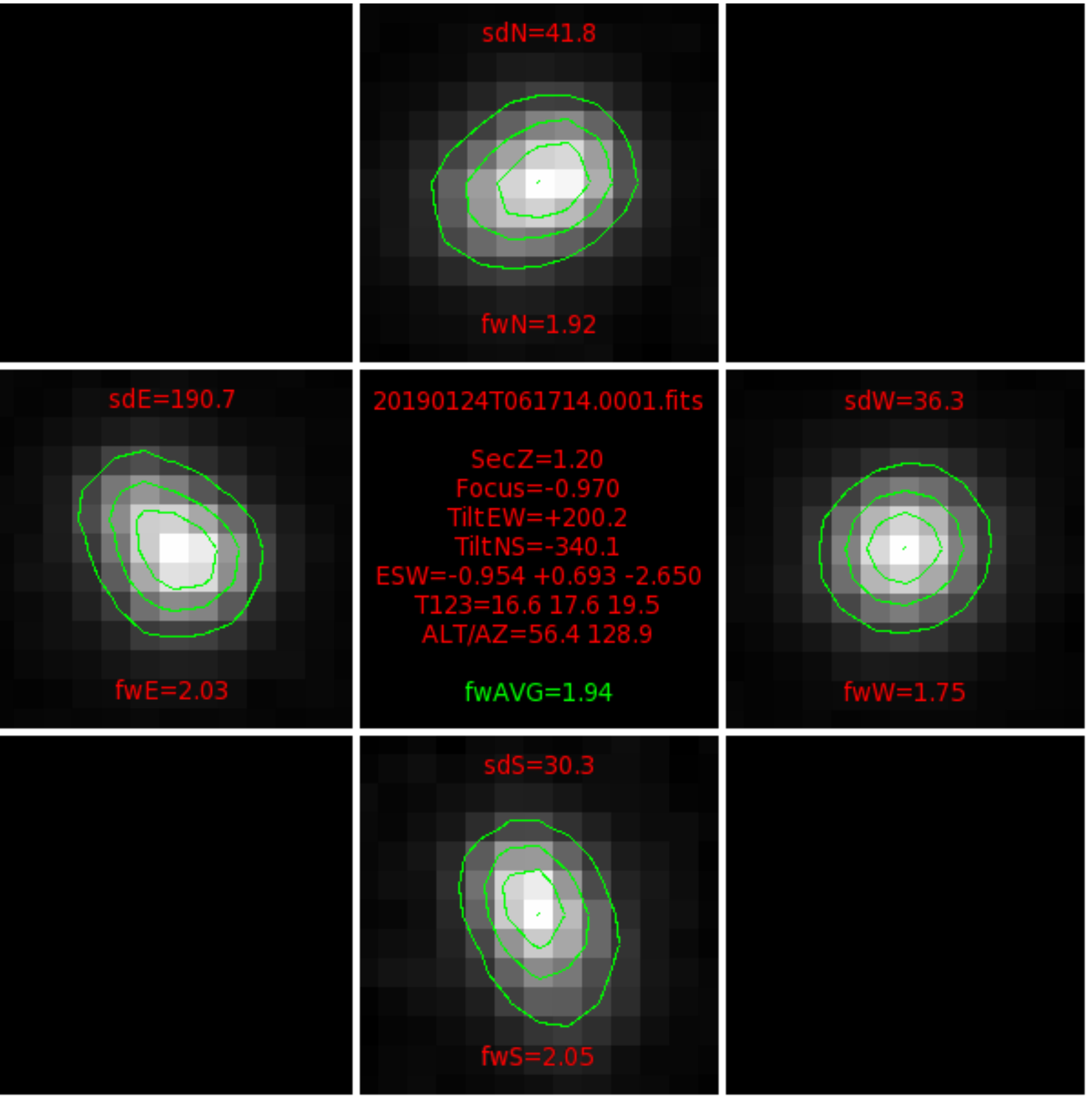
sdN=41.8
fwN=1.92
sdE=190.7
fwE=2.03
20190124T061714.0001.fits
SecZ=1.20
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.6 17.6 19.5
ALT/AZ=56.4 128.9
fwAVG=1.94
sdW=36.3
fwW=1.75
sdS=30.3
fwS=2.05
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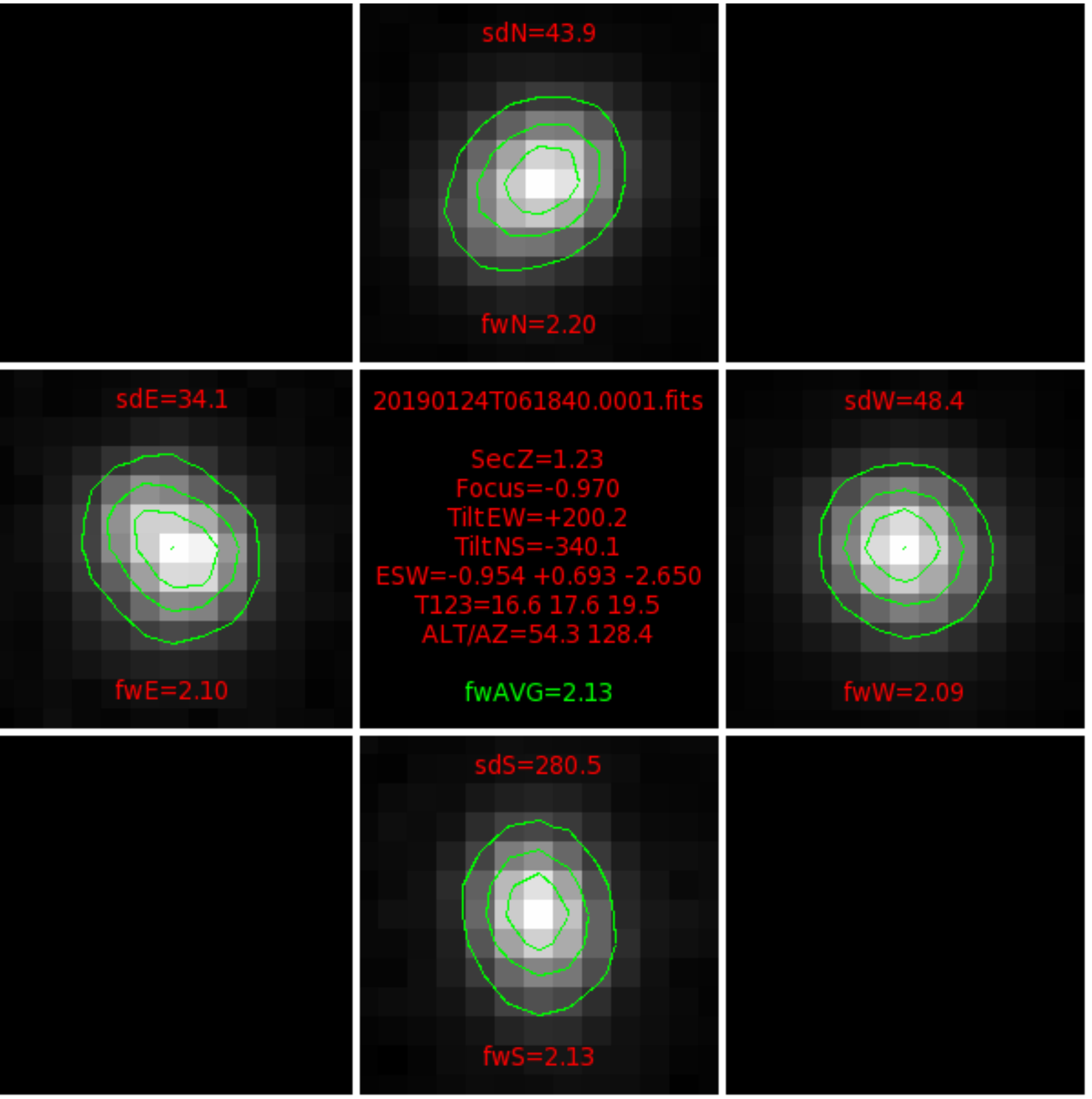
sdN=43.9
fwN=2.20
sdE=34.1
fwE=2.10
20190124T061840.0001.fits
SecZ=1.23
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.6 17.6 19.5
ALT/AZ=54.3 128.4
fwAVG=2.13
sdW=48.4
fwW=2.09
sdS=280.5
fwS=2.13
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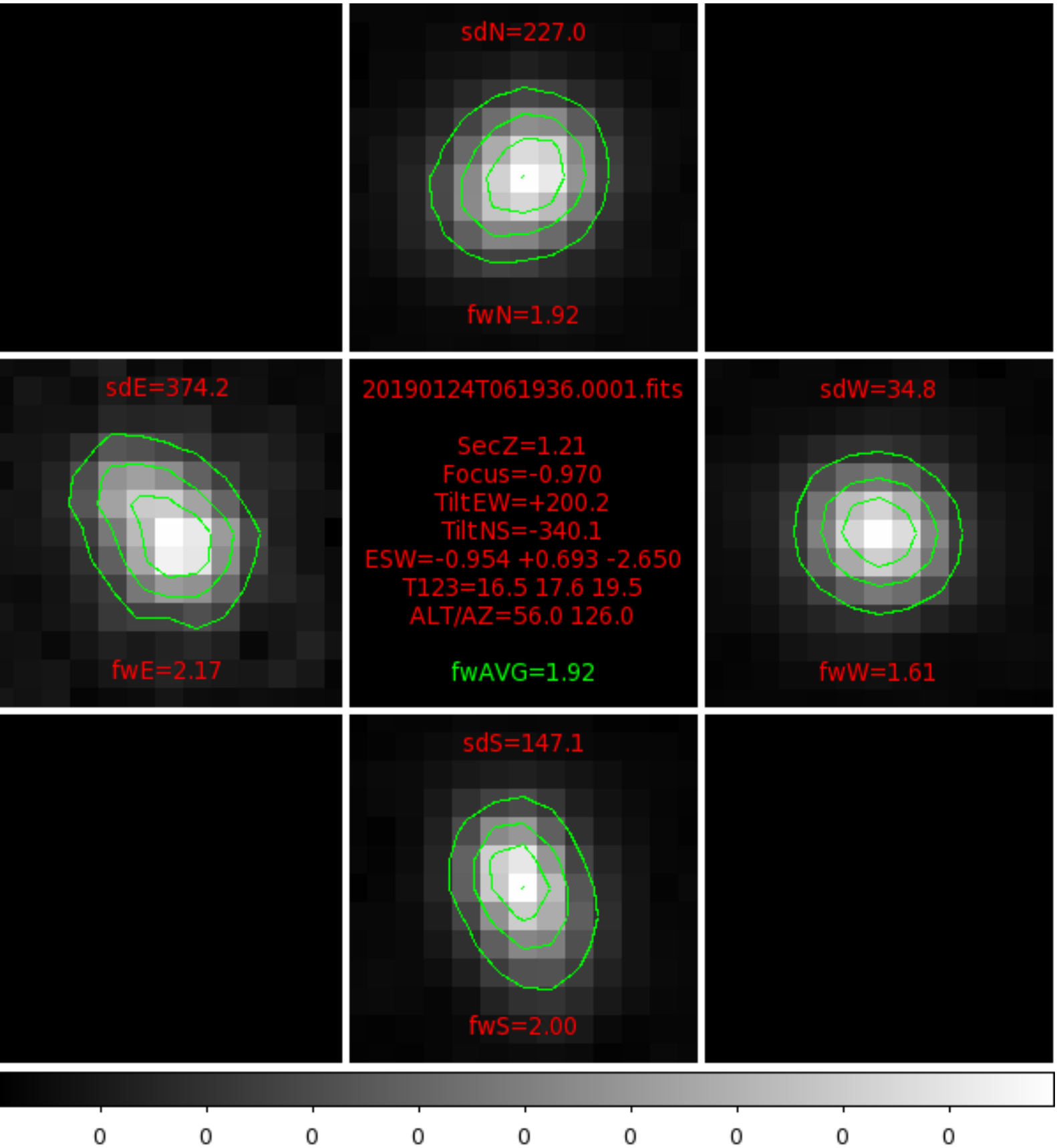
sdN=227.0
fwN=1.92
sdE=374.2
fwE=2.17
20190124T061936.0001.fits
SecZ=1.21
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.5 17.6 19.5
ALT/AZ=56.0 126.0
fwAVG=1.92
sdW=34.8
fwW=1.61
sdS=147.1
fwS=2.00
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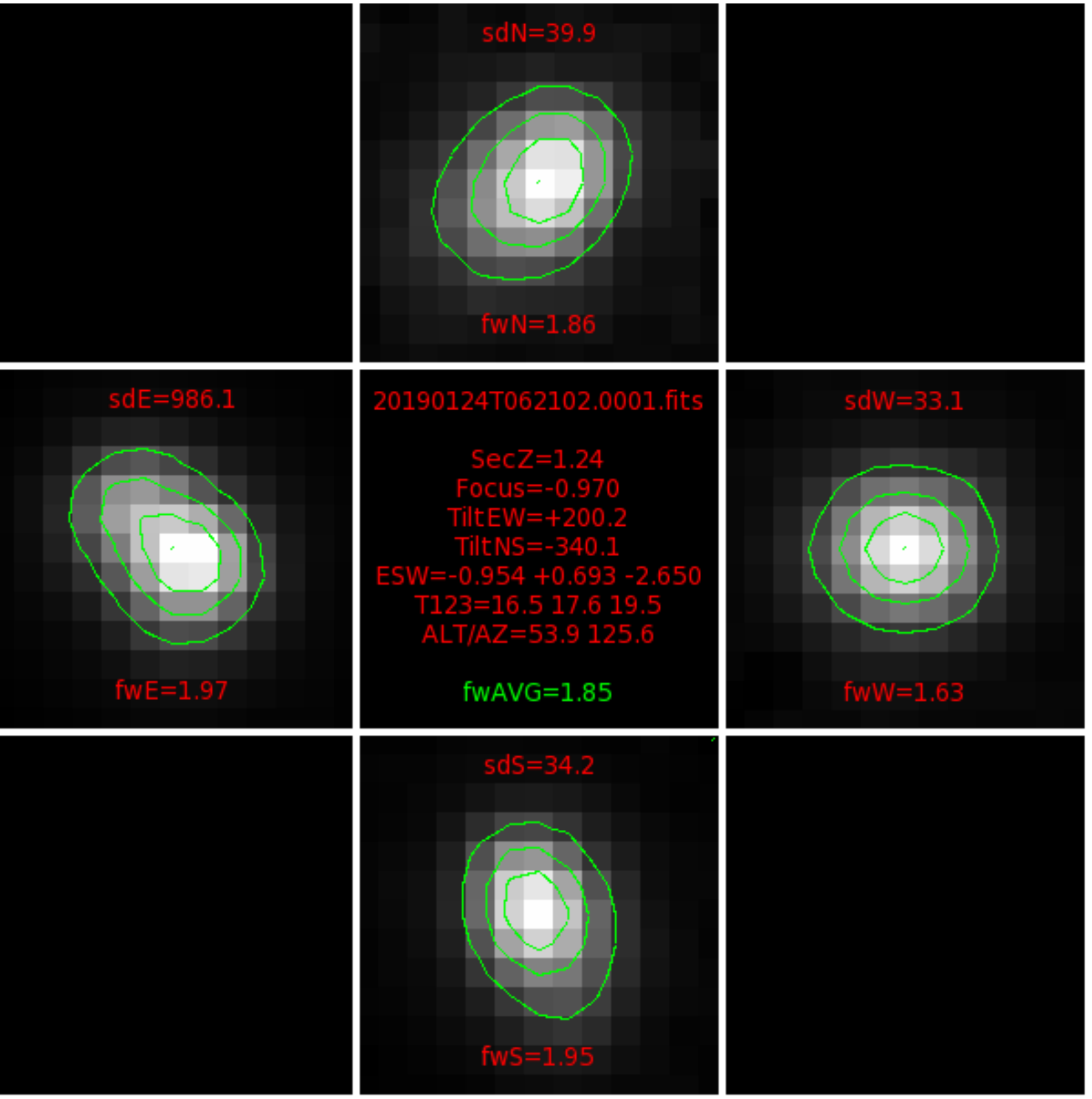
sdN=39.9
fwN=1.86
sdE=986.1
fwE=1.97
20190124T062102.0001.fits
SecZ=1.24
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.5 17.6 19.5
ALT/AZ=53.9 125.6
fwAVG=1.85
sdW=33.1
fwW=1.63
sdS=34.2
fwS=1.95
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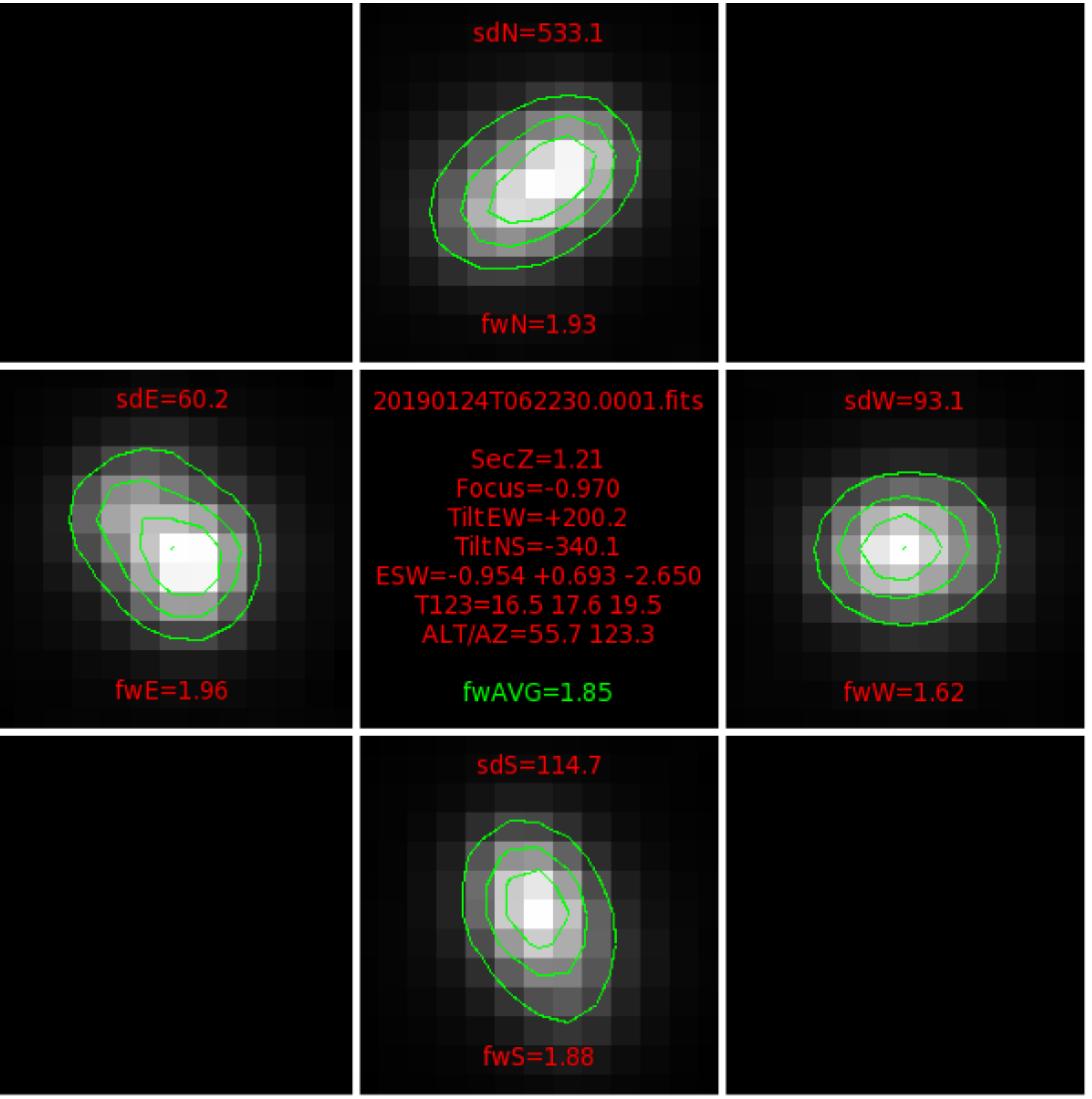
sdN=533.1
fwN=1.93
sdE=60.2
fwE=1.96
20190124T062230.0001.fits
SecZ=1.21
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.5 17.6 19.5
ALT/AZ=55.7 123.3
fwAVG=1.85
sdW=93.1
fwW=1.62
sdS=114.7
fwS=1.88
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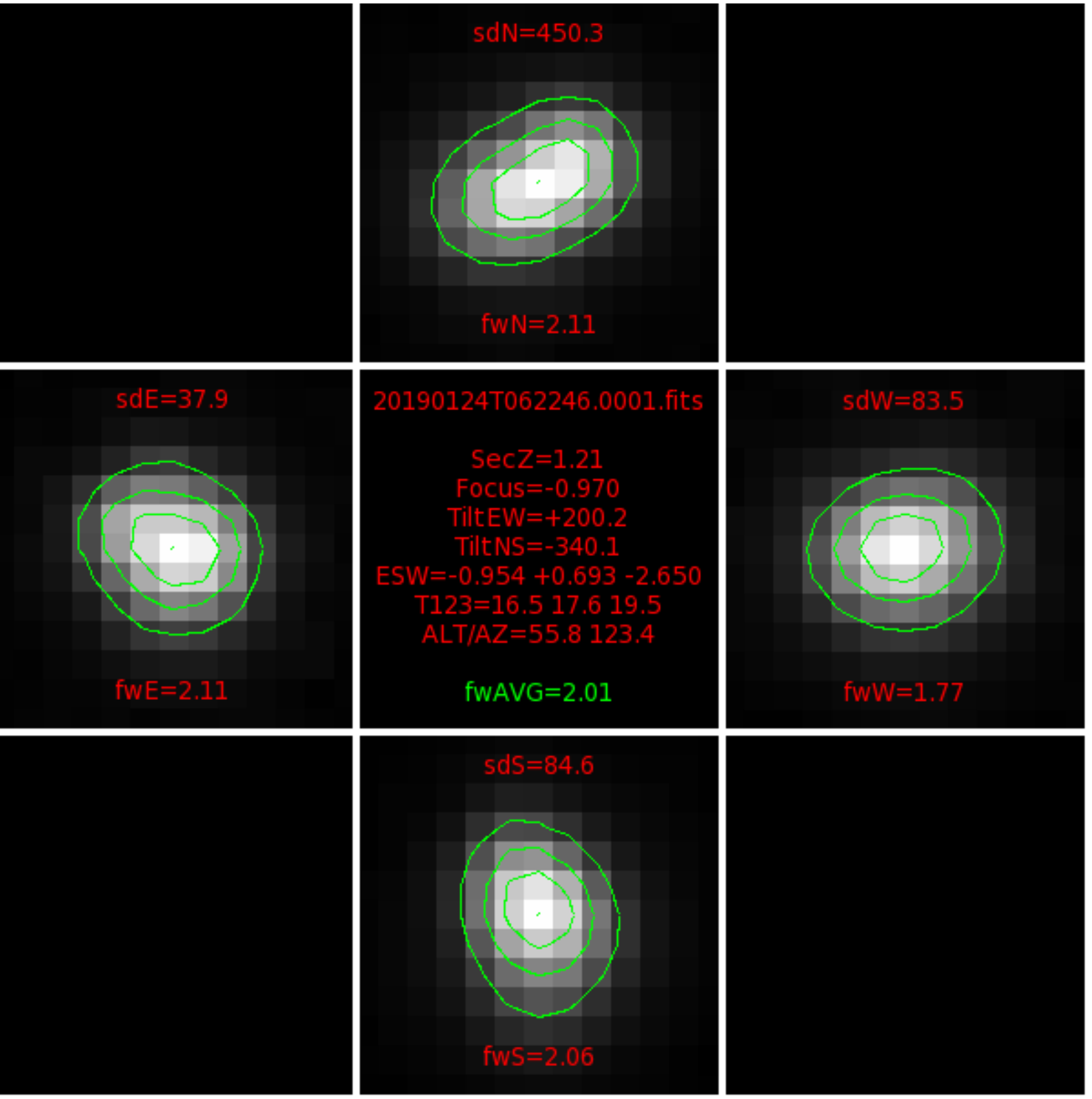
sdN=450.3
fwN=2.11
sdE=37.9
fwE=2.11
20190124T062246.0001.fits
SecZ=1.21
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.5 17.6 19.5
ALT/AZ=55.8 123.4
fwAVG=2.01
sdW=83.5
fwW=1.77
sdS=84.6
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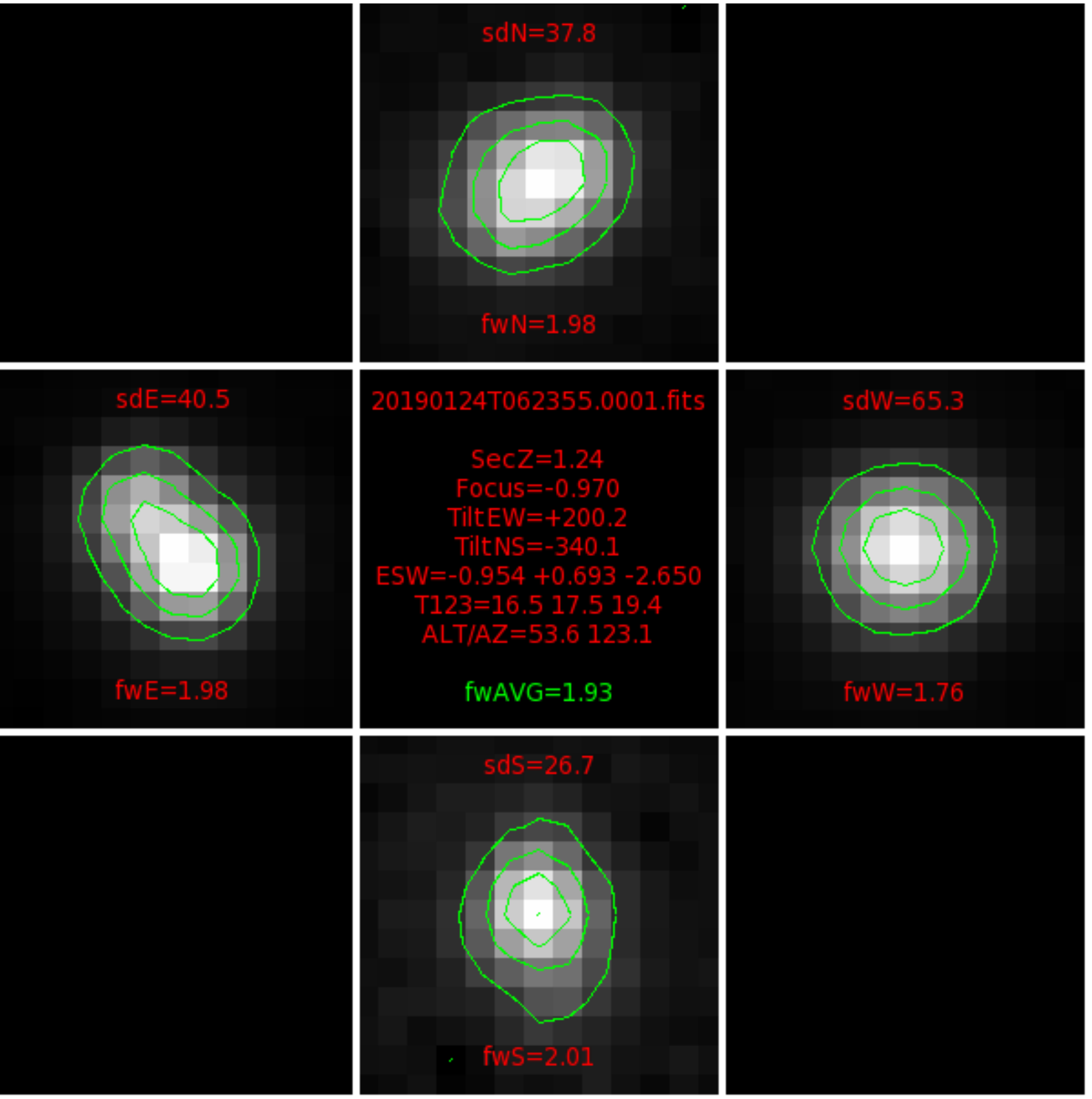
sdN=37.8
fwN=1.98
sdE=40.5
fwE=1.98
20190124T062355.0001.fits
SecZ=1.24
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.5 17.5 19.4
ALT/AZ=53.6 123.1
fwAVG=1.93
sdW=65.3
fwW=1.76
sdS=26.7
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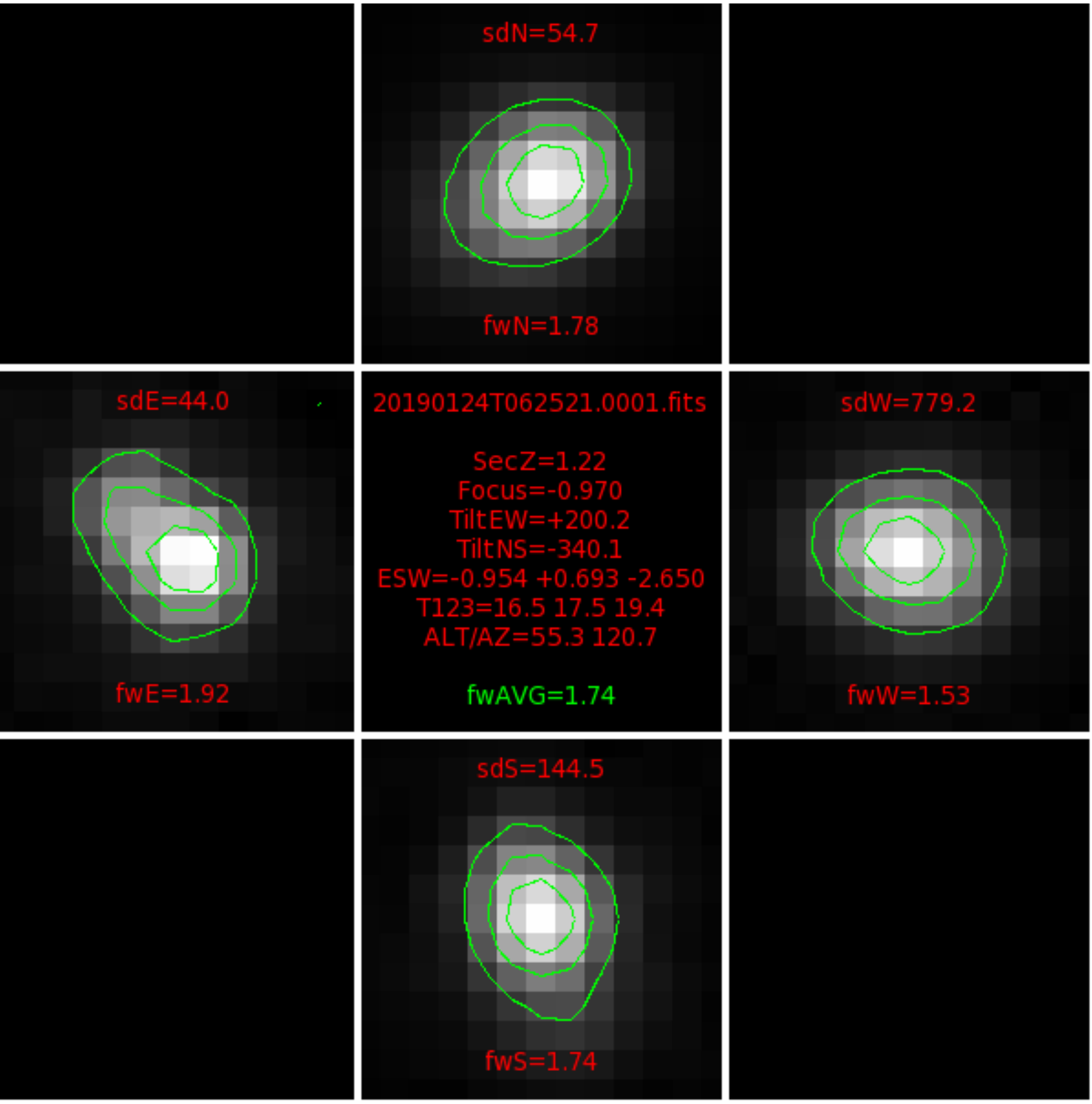
sdN=54.7
fwN=1.78
sdE=44.0
fwE=1.92
20190124T062521.0001.fits
SecZ=1.22
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.5 17.5 19.4
ALT/AZ=55.3 120.7
fwAVG=1.74
sdW=779.2
fwW=1.53
sdS=144.5
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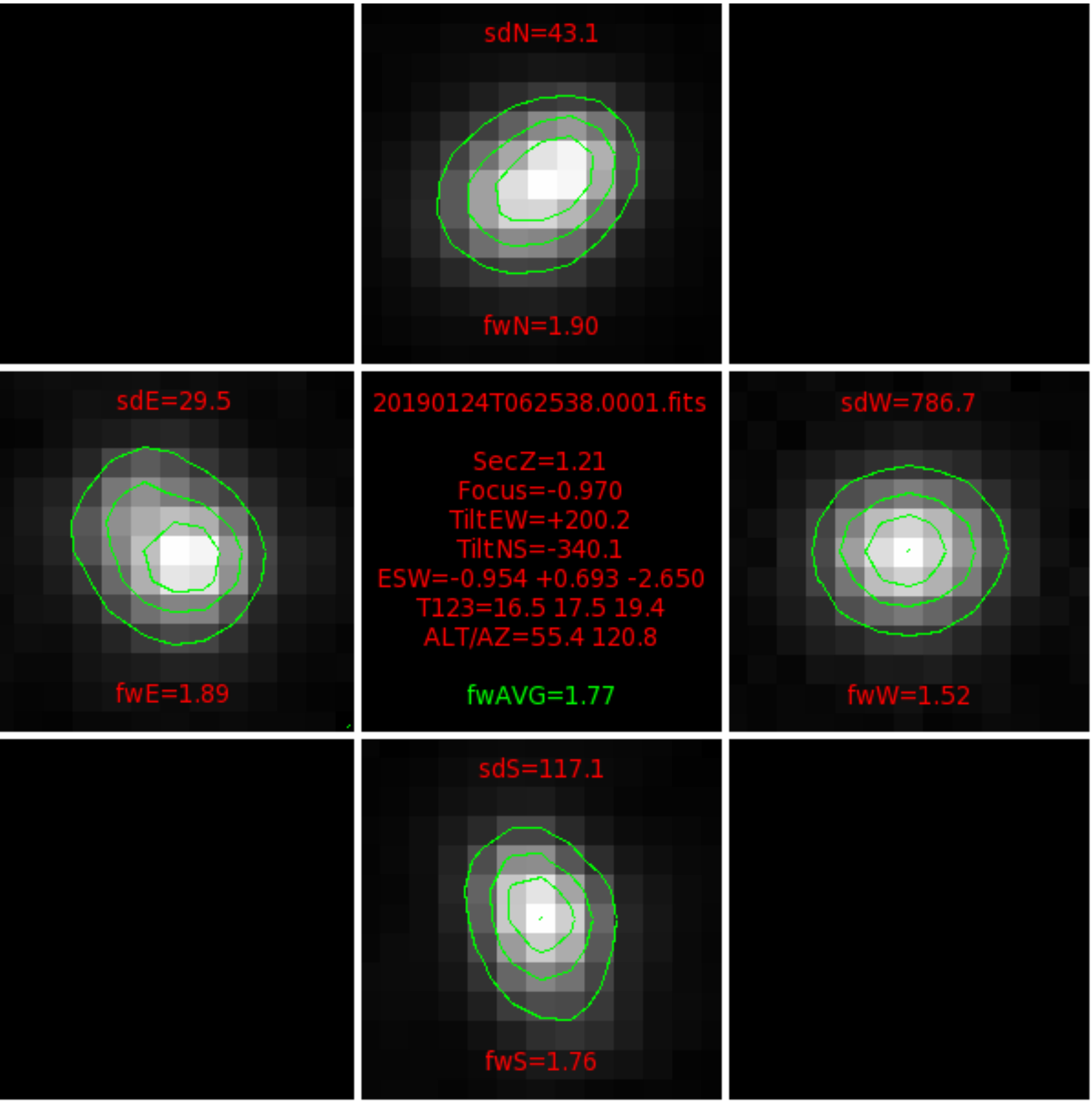
sdN=43.1
fwN=1.90
sdE=29.5
fwE=1.89
20190124T062538.0001.fits
SecZ=1.21
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.5 17.5 19.4
ALT/AZ=55.4 120.8
fwAVG=1.77
sdW=786.7
fwW=1.52
sdS=117.1
fwS=1.76
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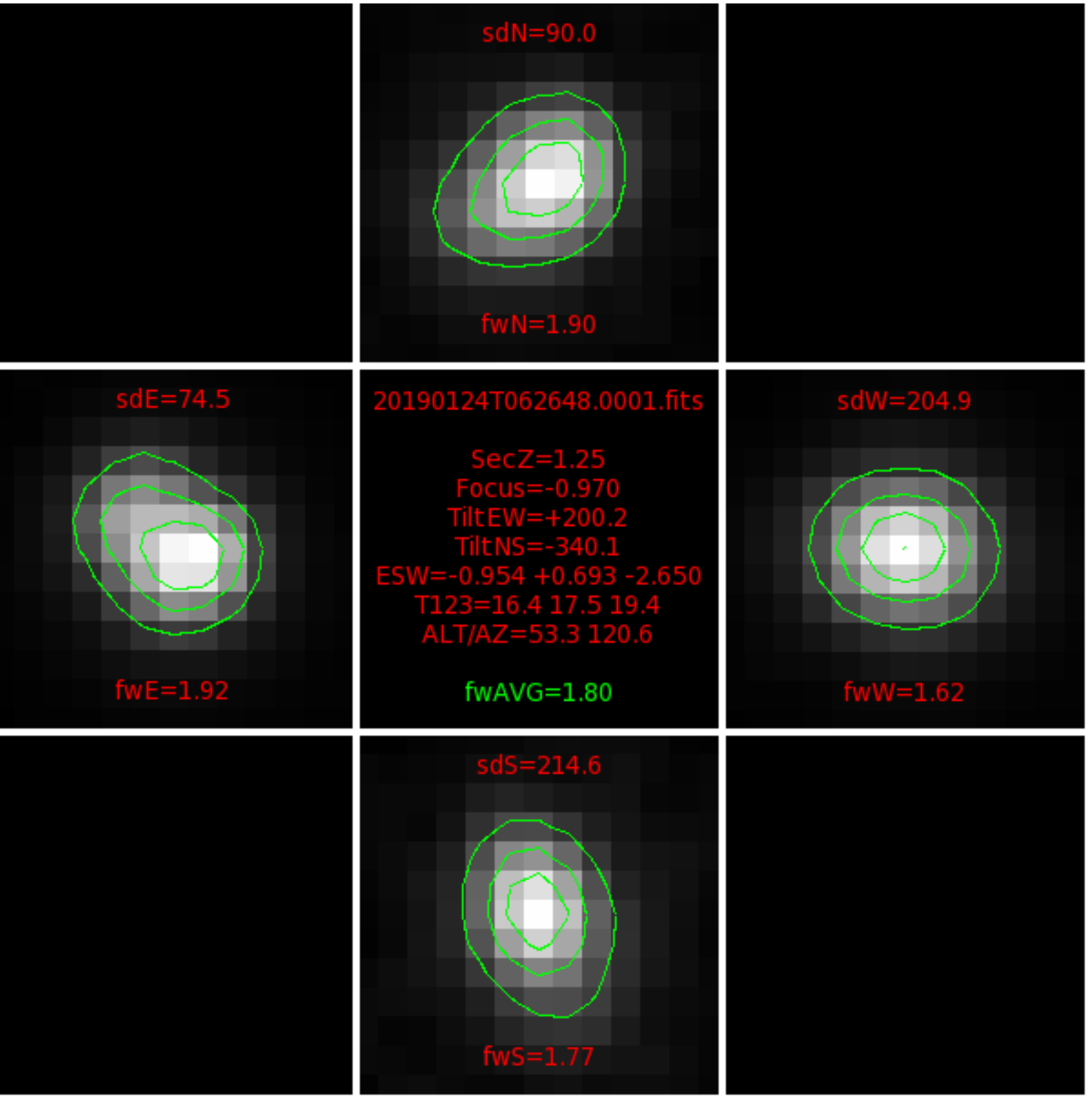
sdN=90.0
fwN=1.90
sdE=74.5
fwE=1.92
20190124T062648.0001.fits
SecZ=1.25
Focus=-0.970
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.954 +0.693 -2.650
T123=16.4 17.5 19.4
ALT/AZ=53.3 120.6
fwAVG=1.80
sdW=204.9
fwW=1.62
sdS=214.6
fwS=1.77
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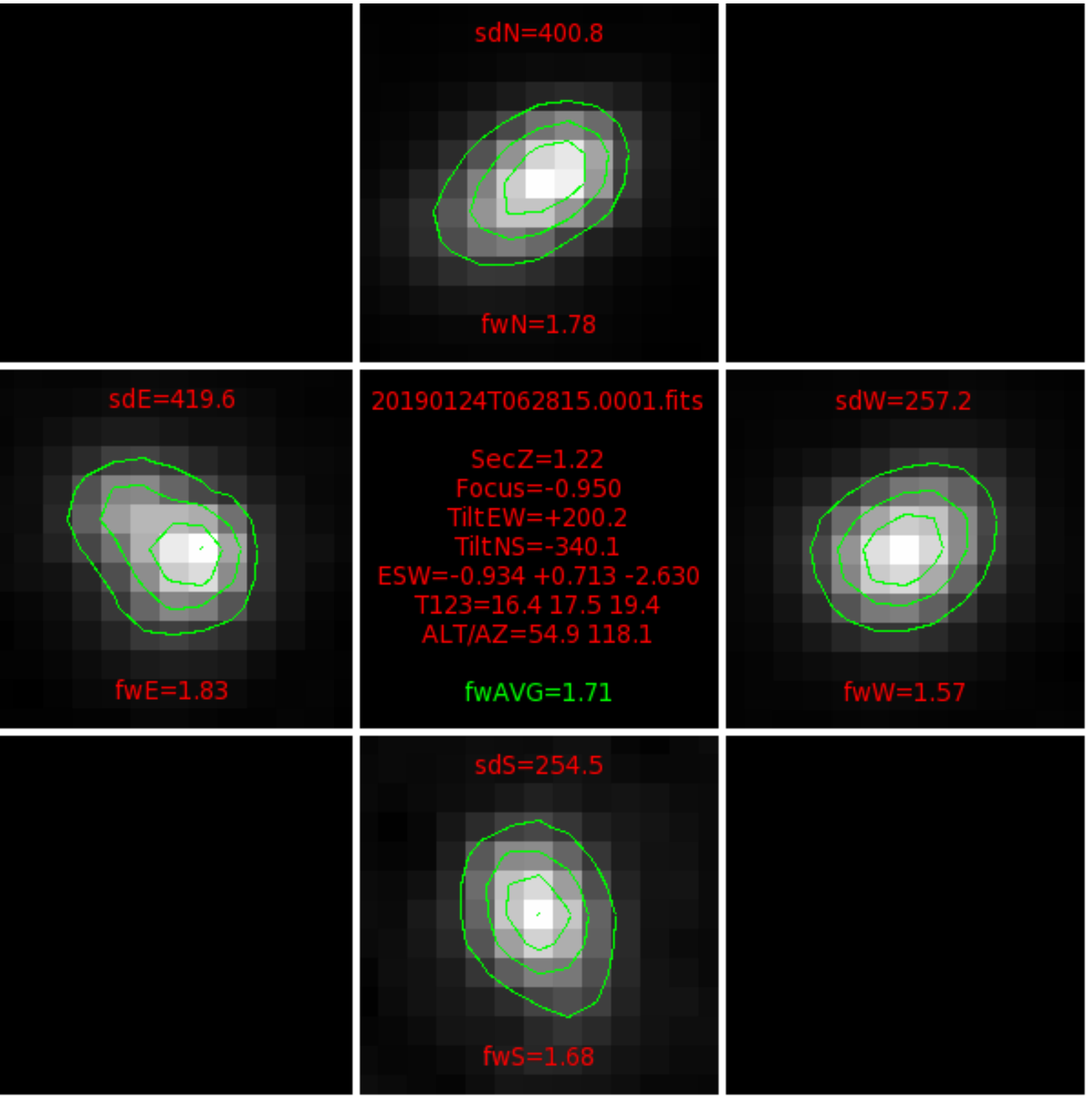
sdN=400.8
fwN=1.78
sdE=419.6
fwE=1.83
20190124T062815.0001.fits
SecZ=1.22
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.4 17.5 19.4
ALT/AZ=54.9 118.1
fwAVG=1.71
sdW=257.2
fwW=1.57
sdS=254.5
fwS=1.68
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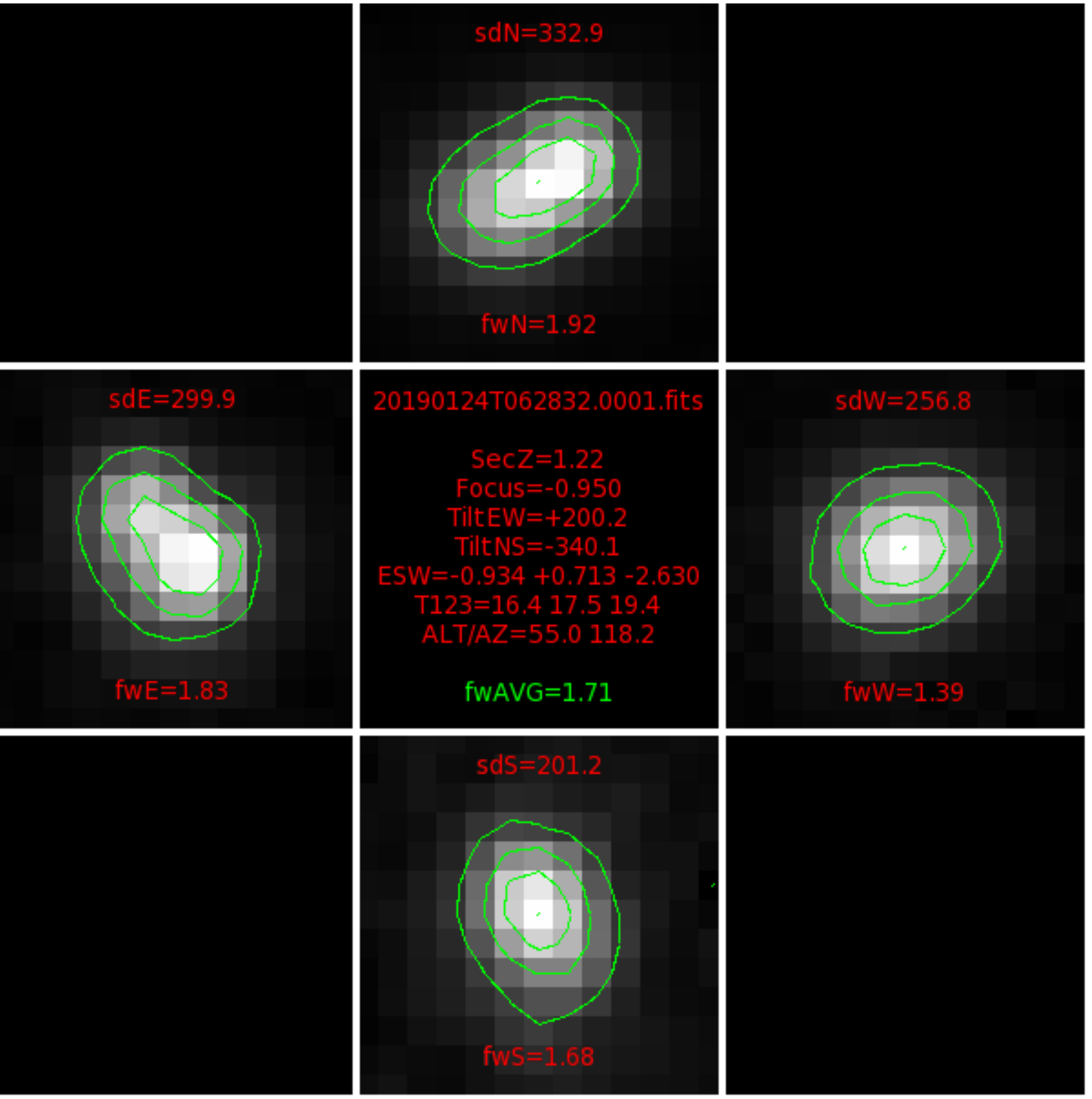
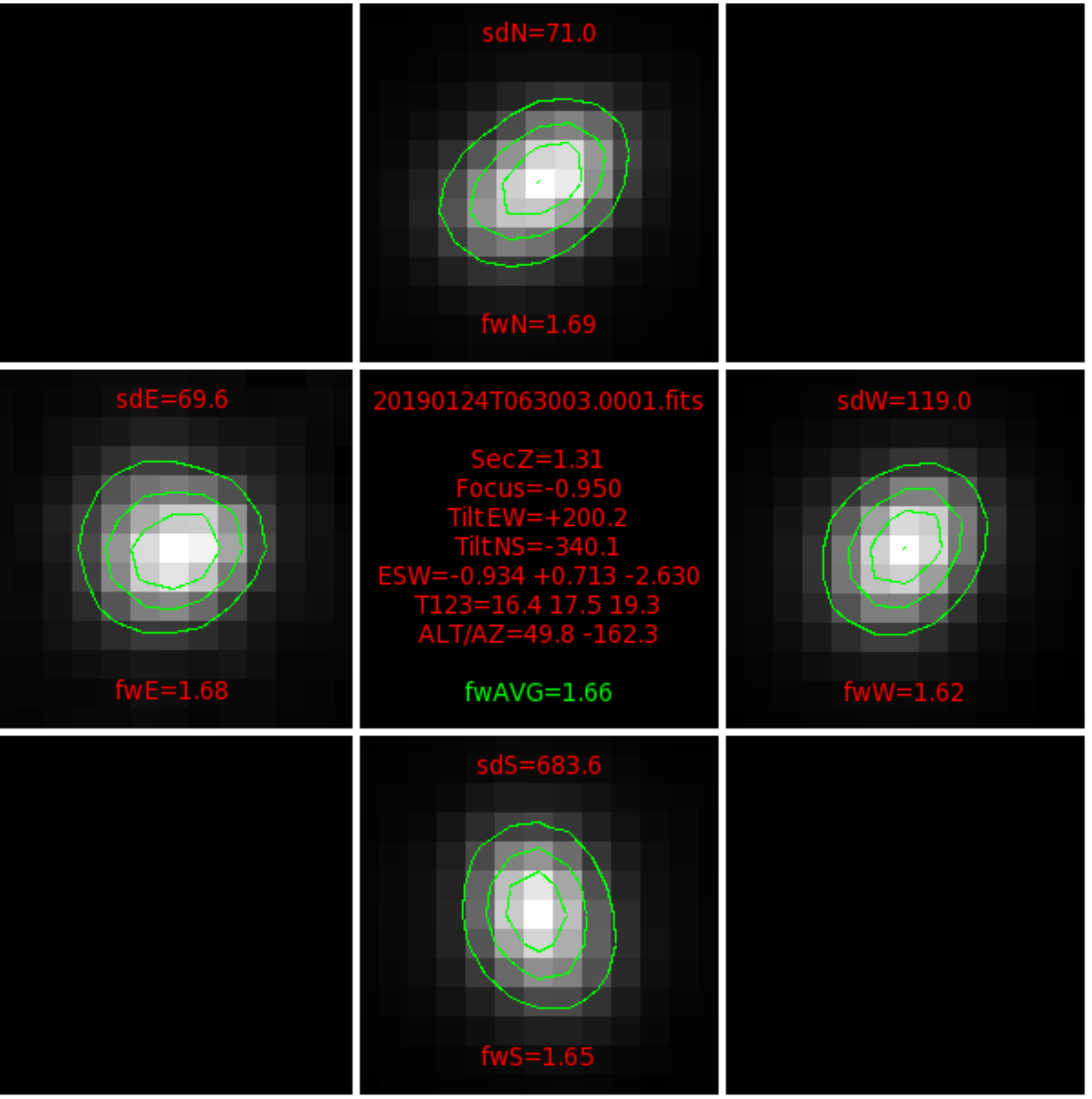

sdN=332.9
fwN=1.92
sdE=299.9
fwE=1.83
20190124T062832.0001.fits
SecZ=1.22
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.4 17.5 19.4
ALT/AZ=55.0 118.2
fwAVG=1.71
sdW=256.8
fwW=1.39
sdS=201.2
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=71.0
fwN=1.69
sdE=69.6
fwE=1.68
20190124T063003.0001.fits
SecZ=1.31
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.4 17.5 19.3
ALT/AZ=49.8 -162.3
fwAVG=1.66
sdW=119.0
fwW=1.62
sdS=683.6
fwS=1.65
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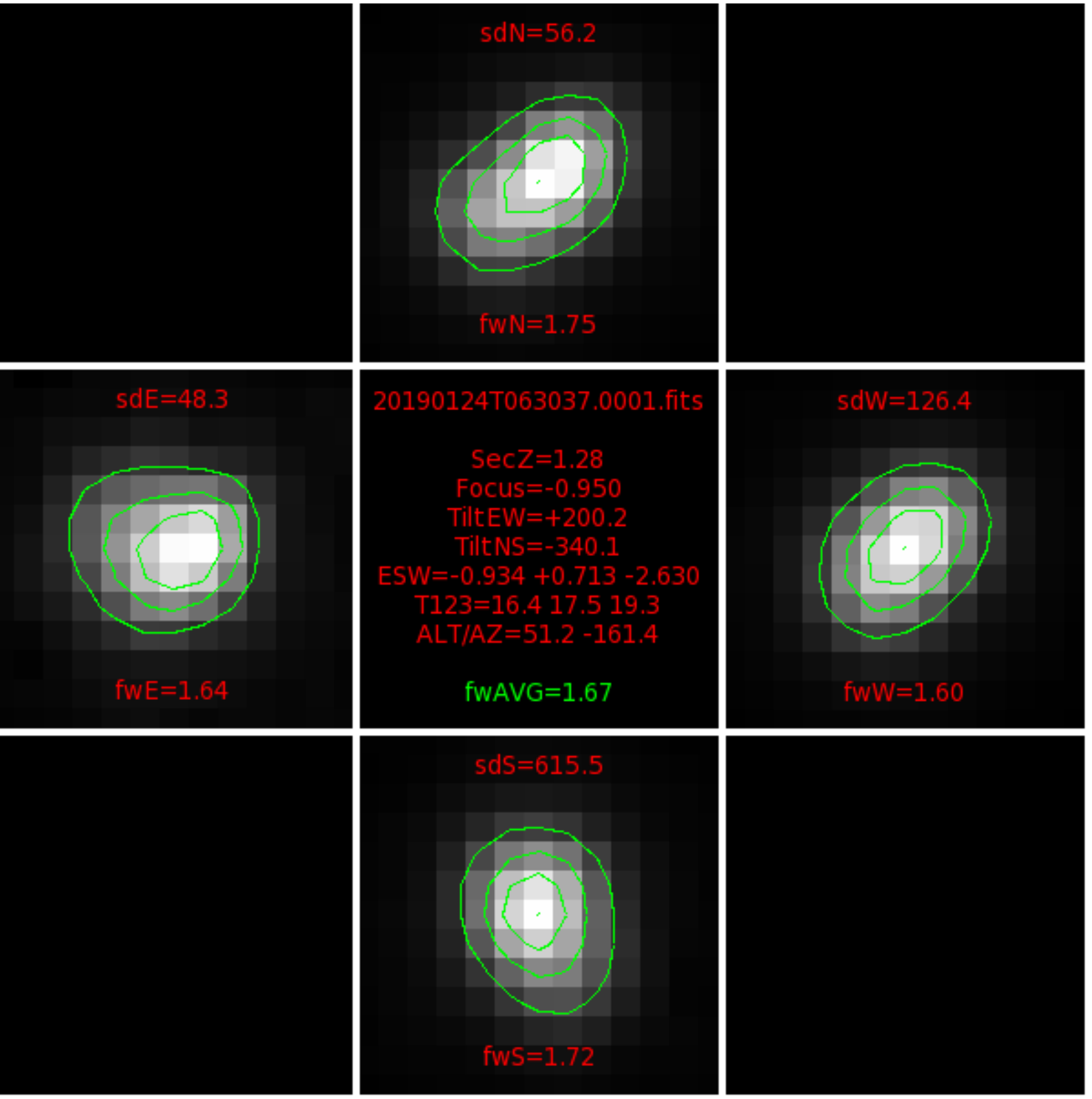
sdN=56.2
fwN=1.75
sdE=48.3
fwE=1.64
20190124T063037.0001.fits
SecZ=1.28
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.4 17.5 19.3
ALT/AZ=51.2 -161.4
fwAVG=1.67
sdW=126.4
fwW=1.60
sdS=615.5
fwS=1.72
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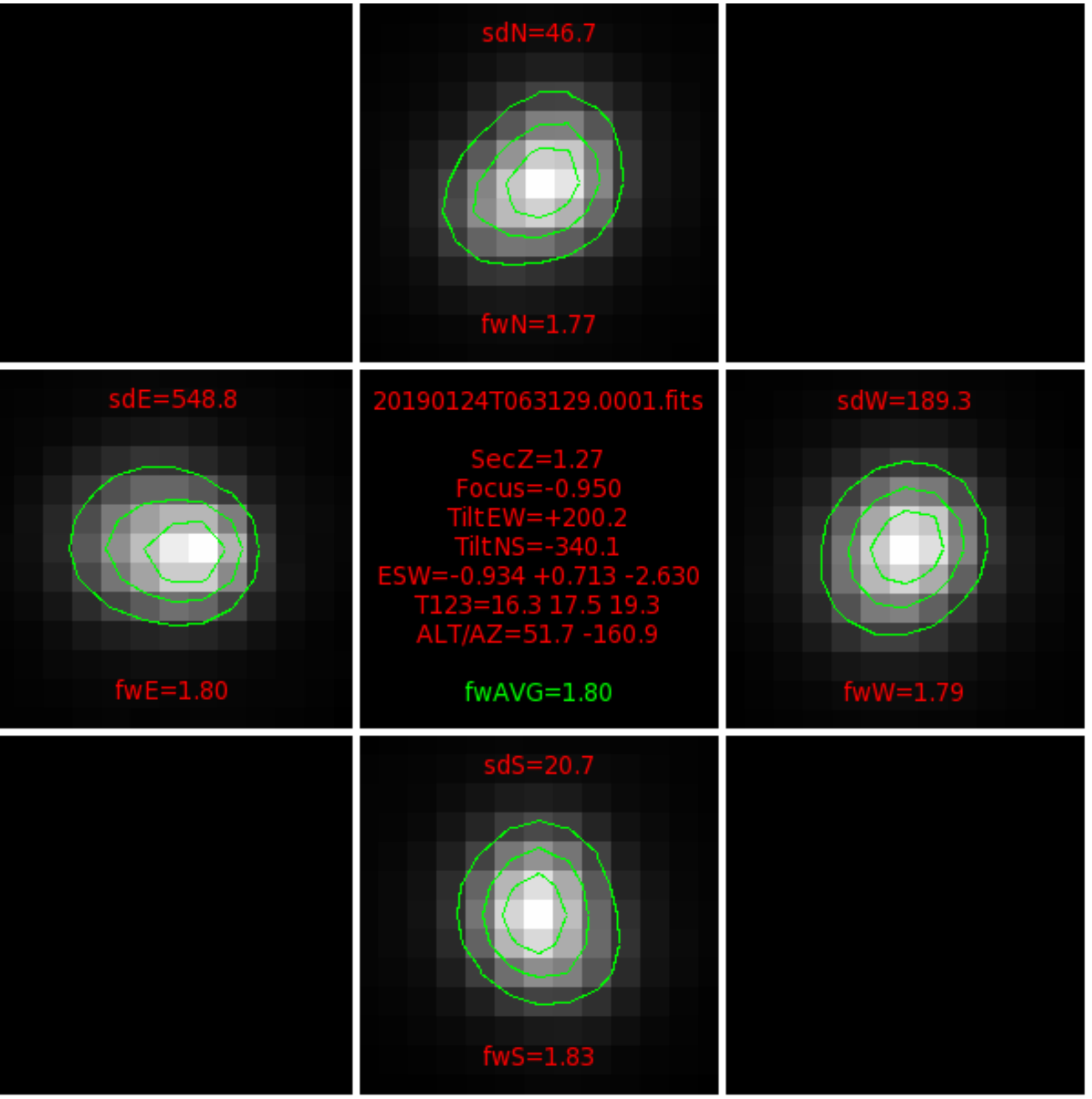
sdN=46.7
fwN=1.77
sdE=548.8
fwE=1.80
20190124T063129.0001.fits
SecZ=1.27
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.5 19.3
ALT/AZ=51.7 -160.9
fwAVG=1.80
sdW=189.3
fwW=1.79
sdS=20.7
fwS=1.83
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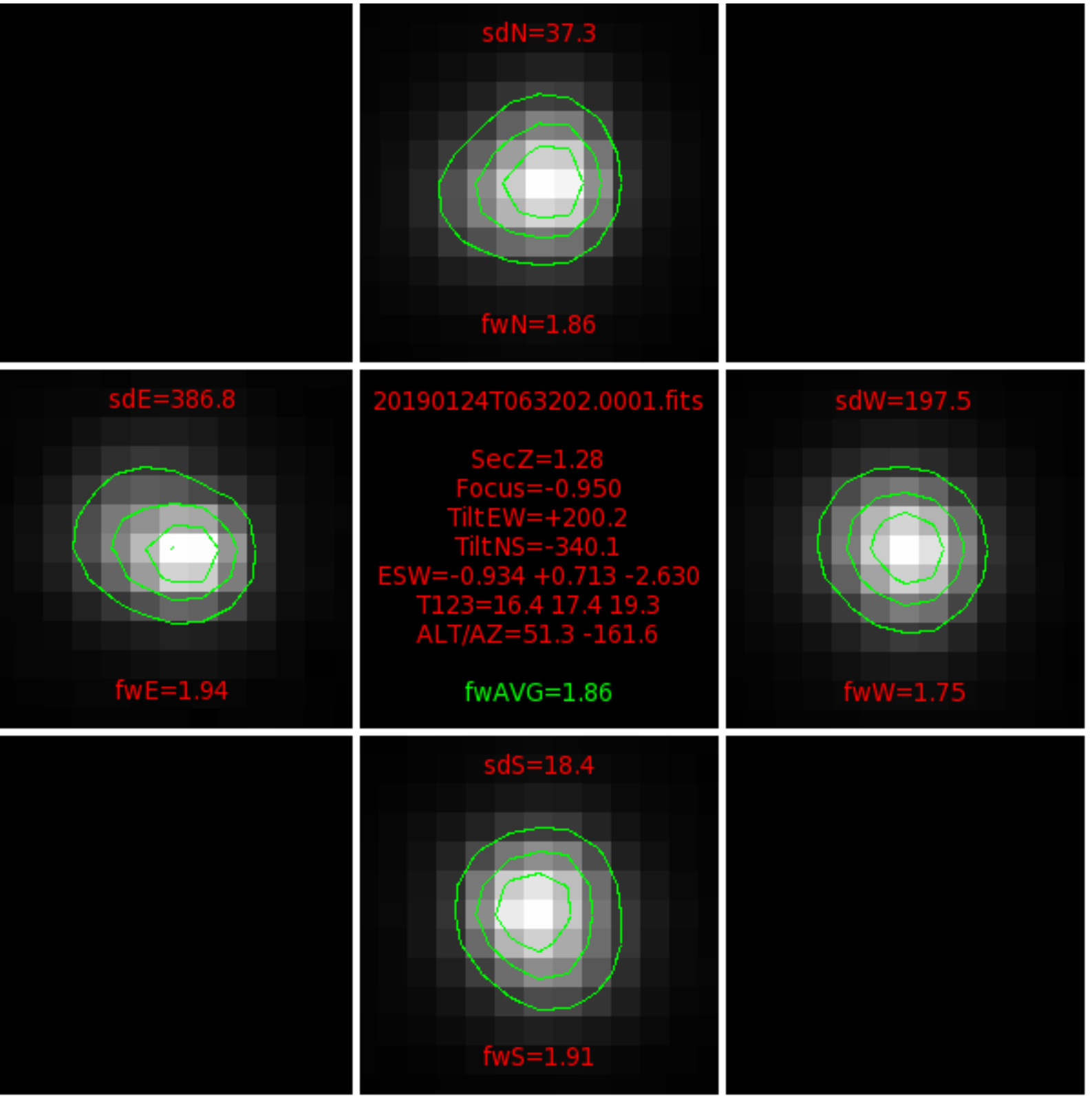
sdN=37.3
fwN=1.86
sdE=386.8
fwE=1.94
20190124T063202.0001.fits
SecZ=1.28
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.4 17.4 19.3
ALT/AZ=51.3 -161.6
fwAVG=1.86
sdW=197.5
fwW=1.75
sdS=18.4
fwS=1.91
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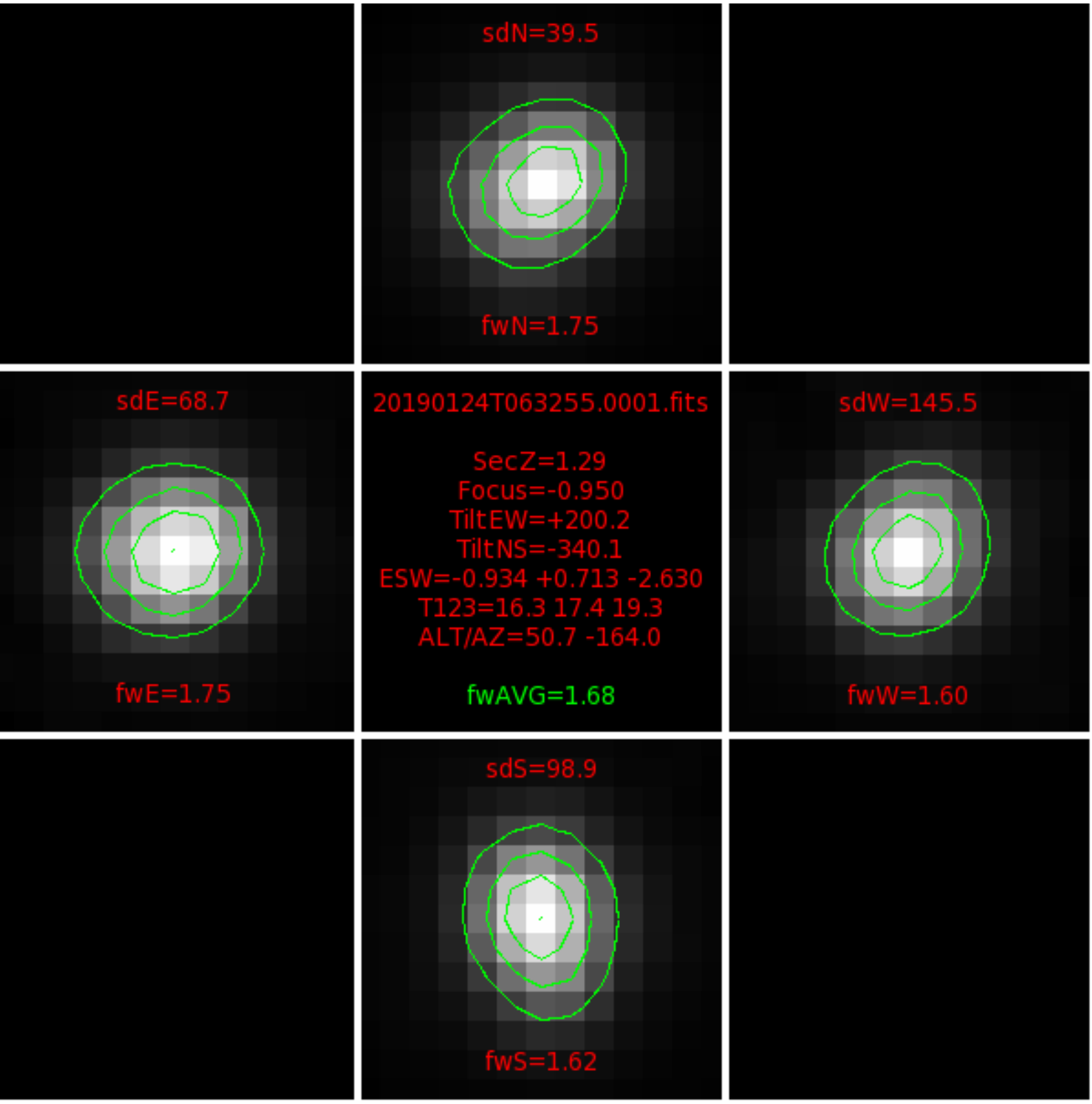
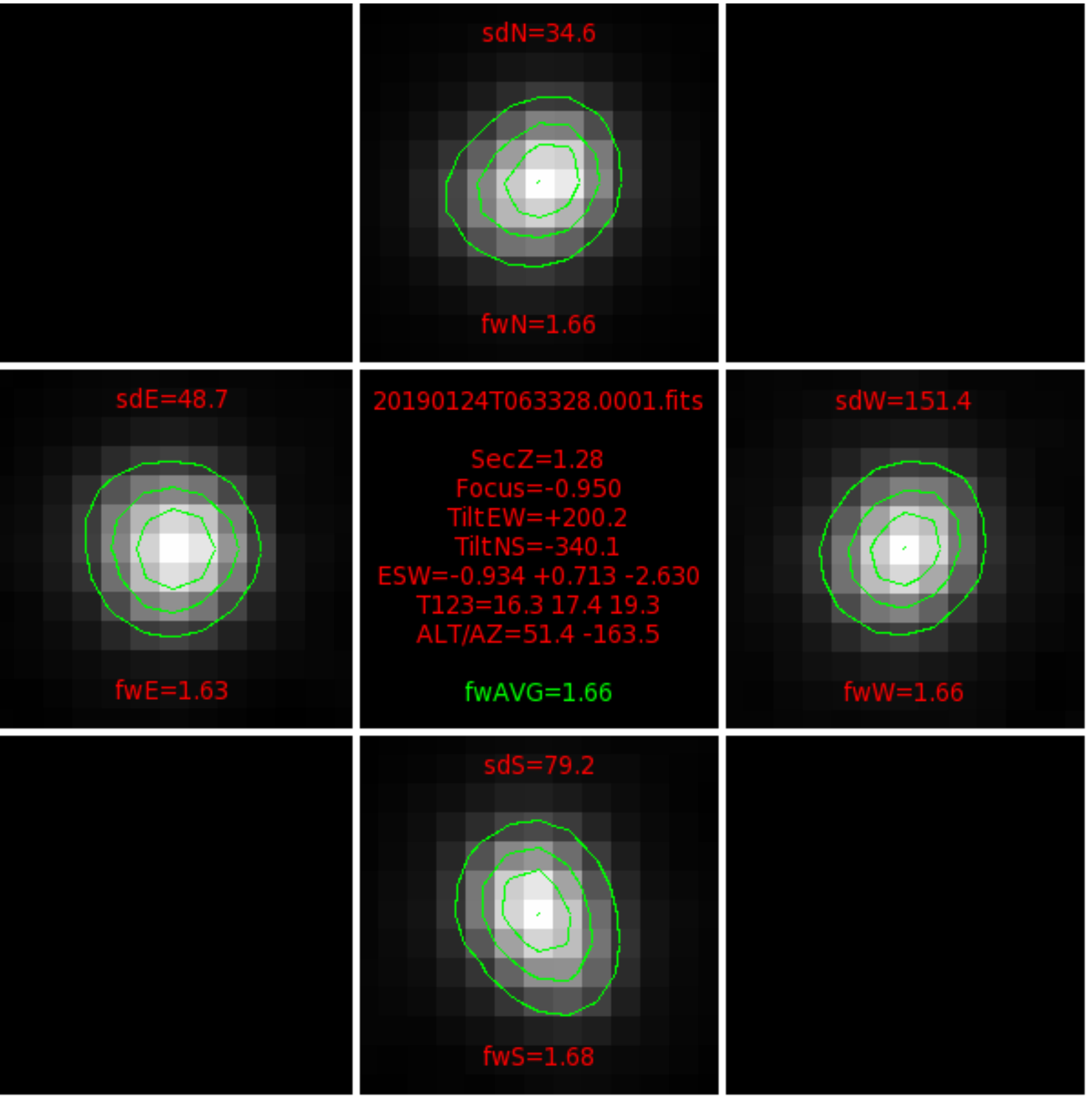

sdN=39.5
fwN=1.75
sdE=68.7
fwE=1.75
20190124T063255.0001.fits
SecZ=1.29
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.4 19.3
ALT/AZ=50.7 -164.0
fwAVG=1.68
sdW=145.5
fwW=1.60
sdS=98.9
fwS=1.62
0 0 0 0 0 0 0 0 0


sdN=34.6
fwN=1.66
sdE=48.7
fwE=1.63
20190124T063328.0001.fits
SecZ=1.28
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.4 19.3
ALT/AZ=51.4 -163.5
fwAVG=1.66
sdW=151.4
fwW=1.66
sdS=79.2
fwS=1.68
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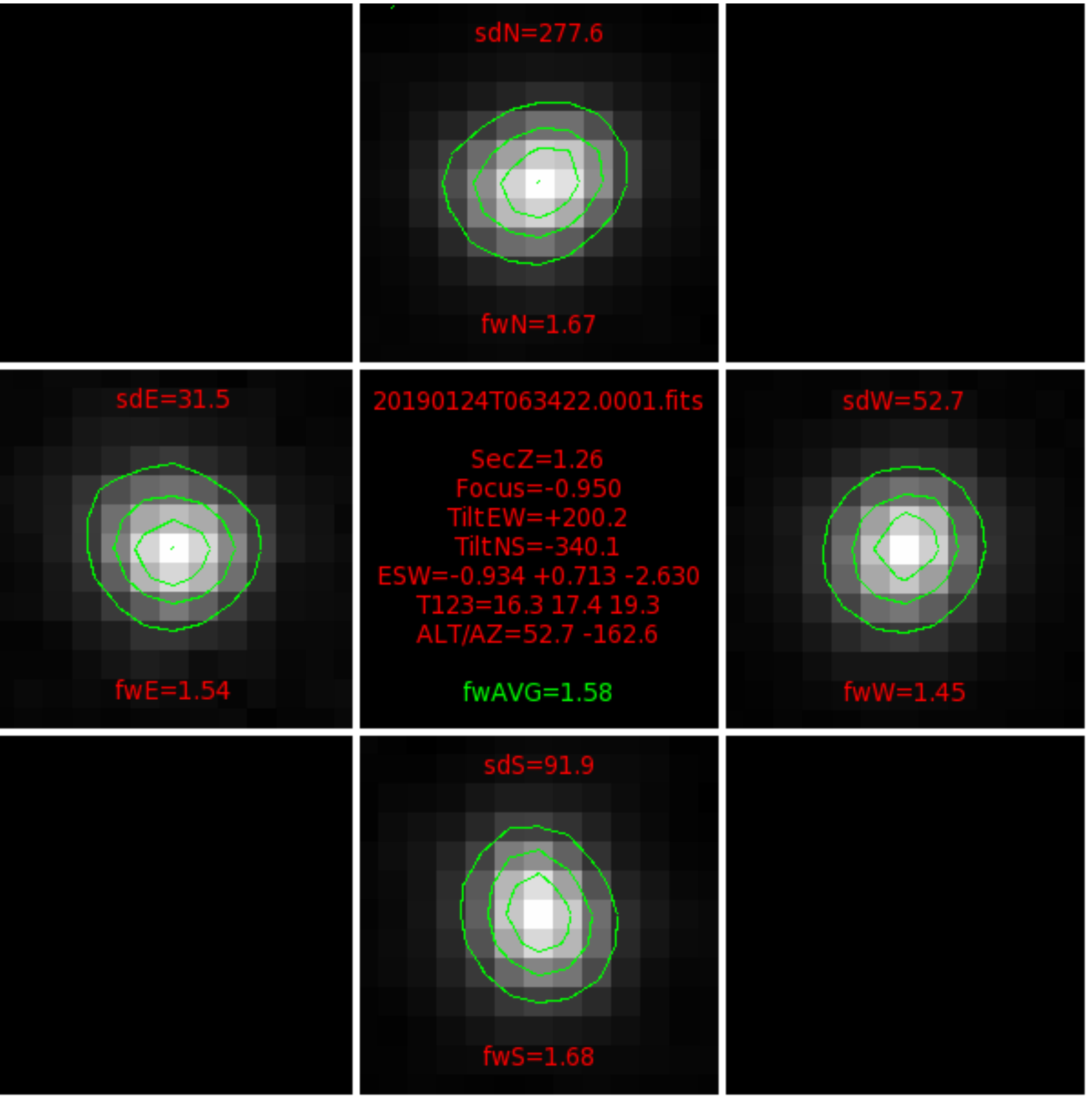
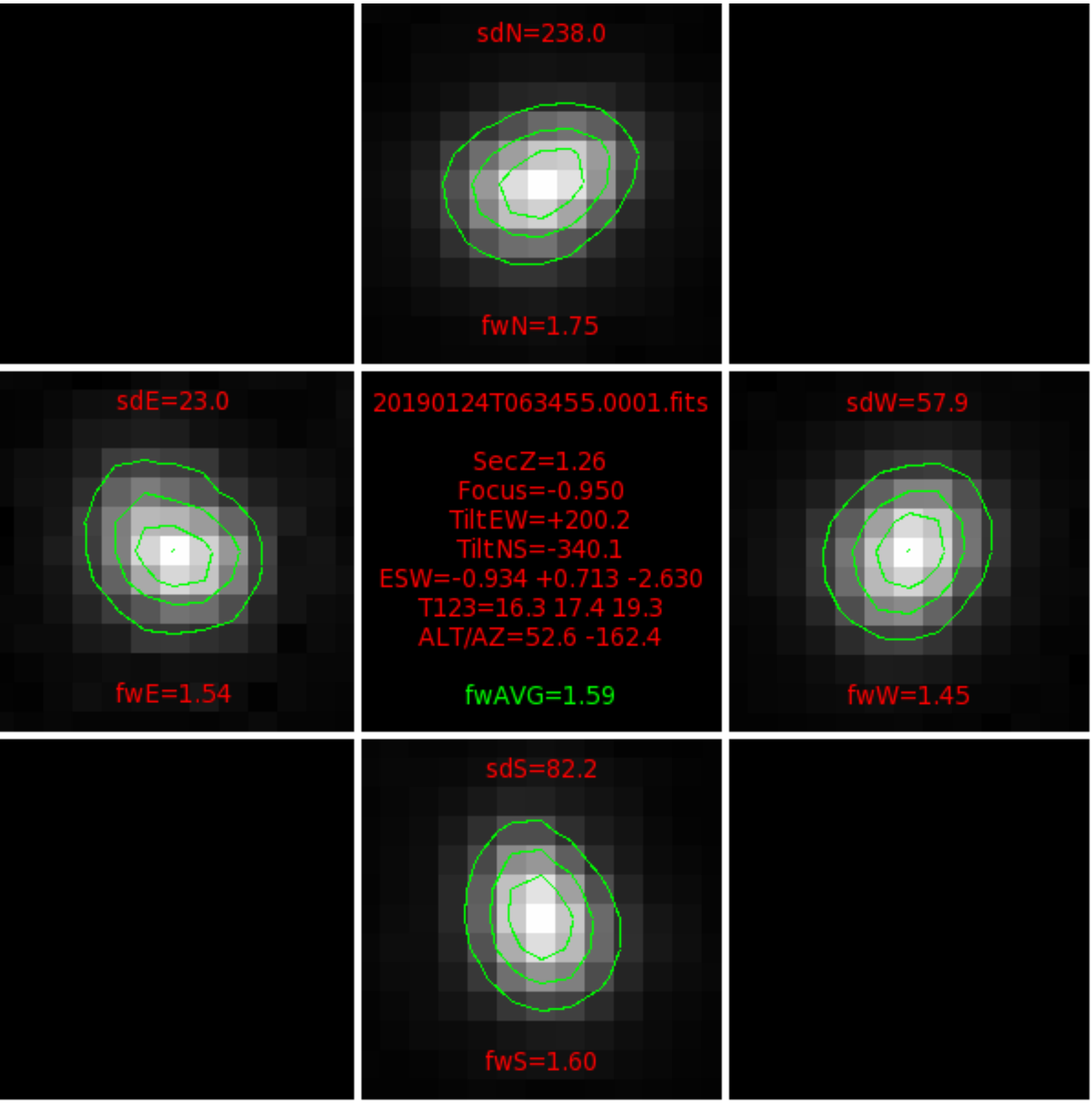
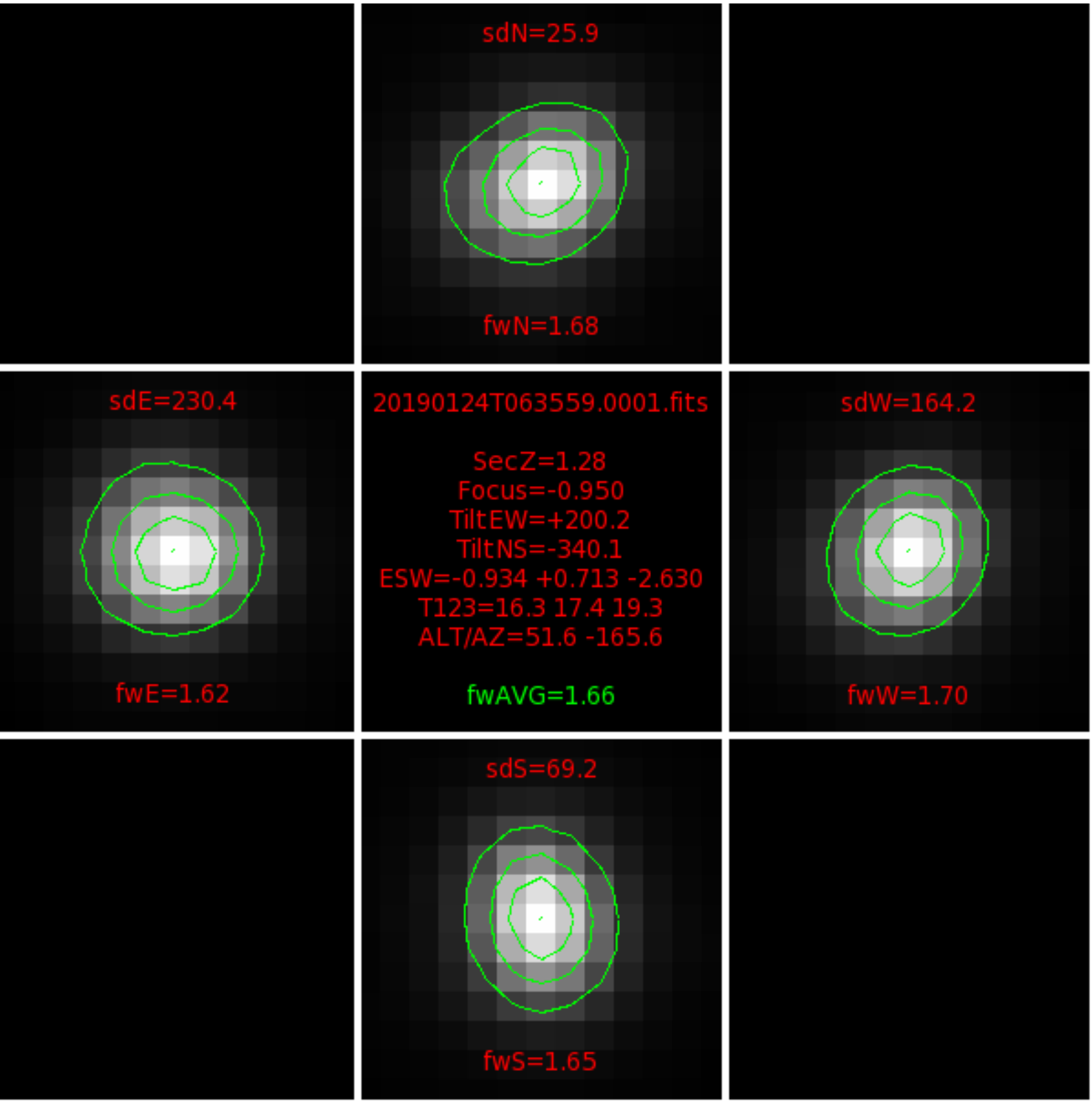
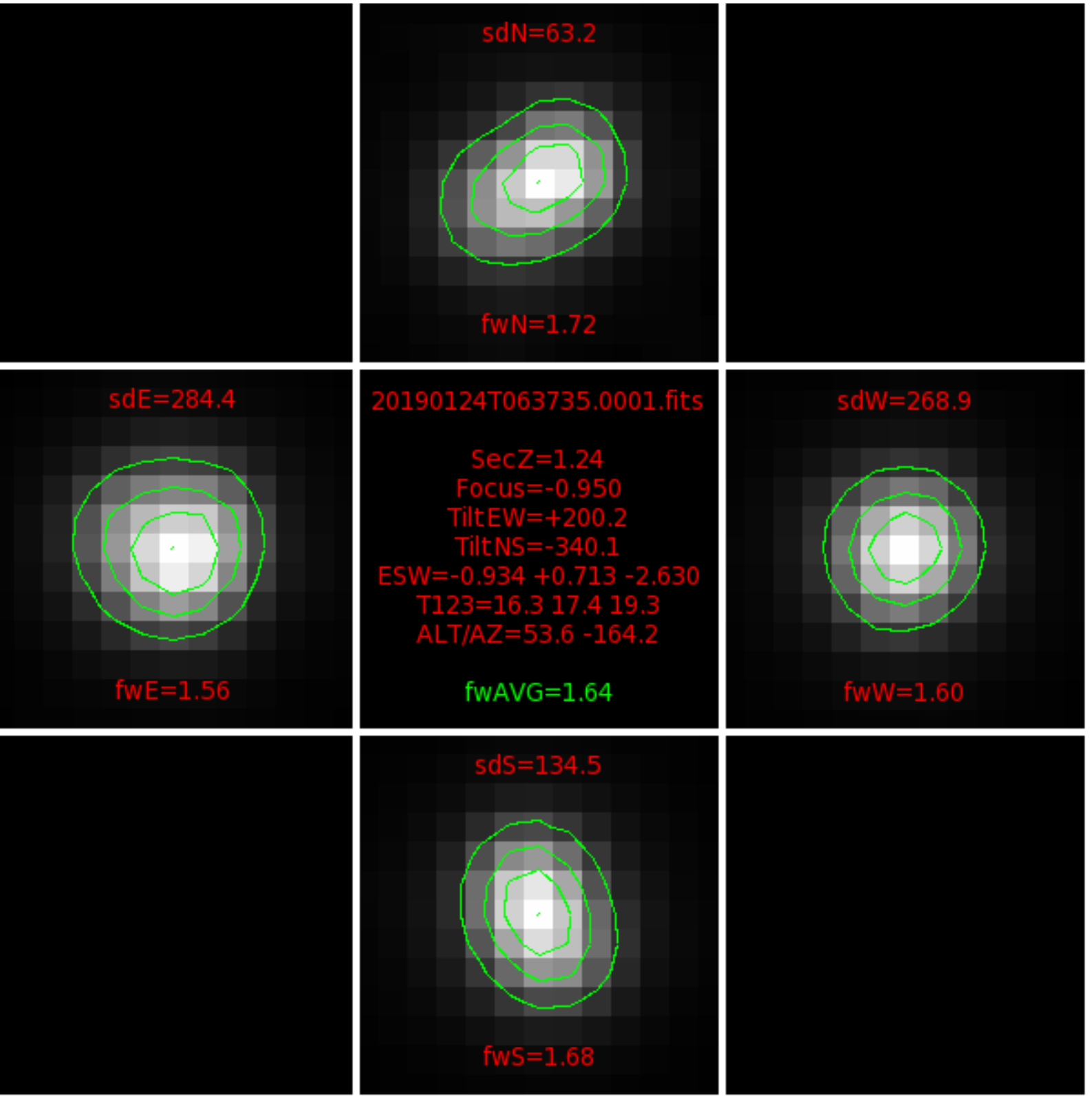
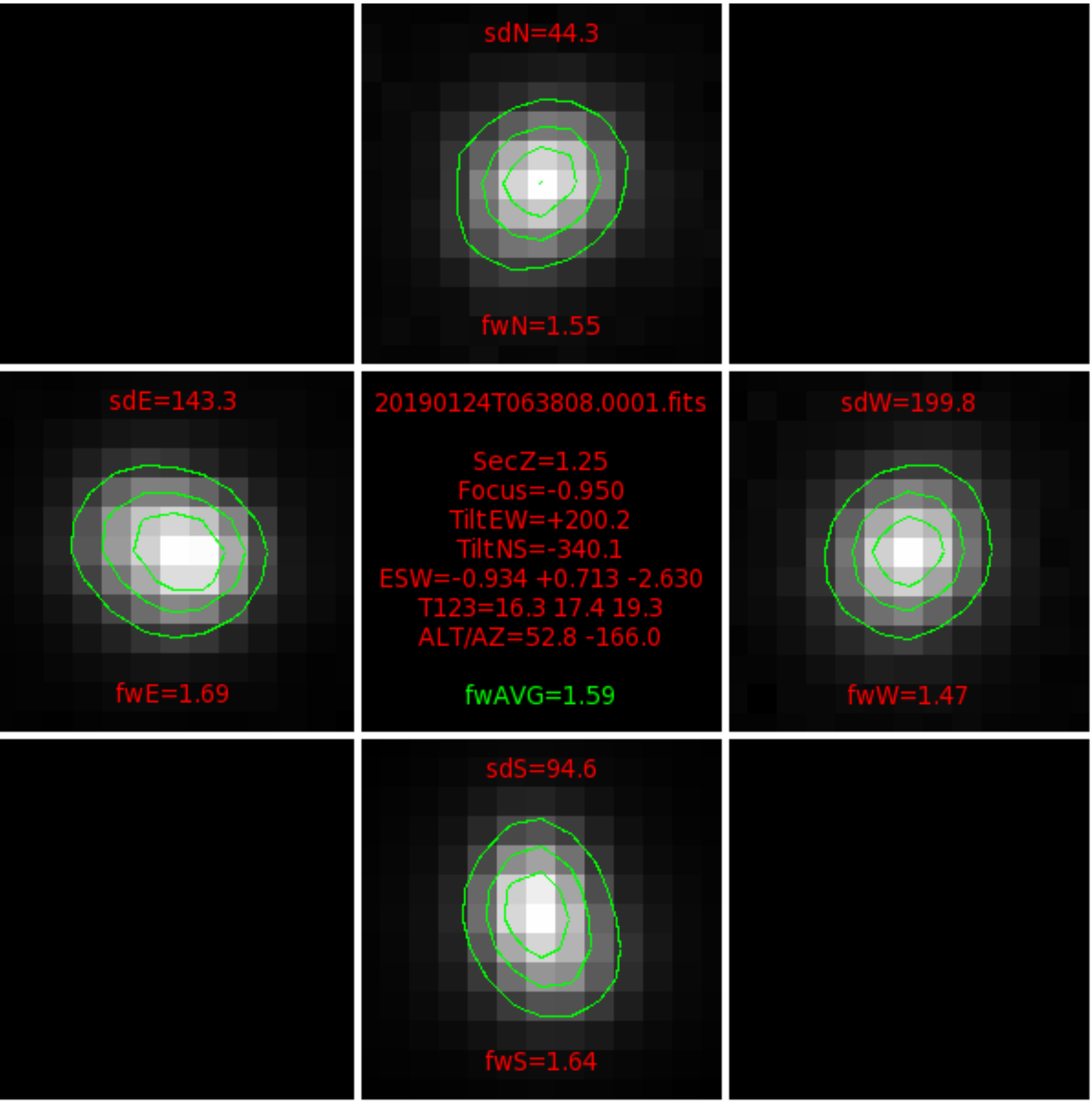
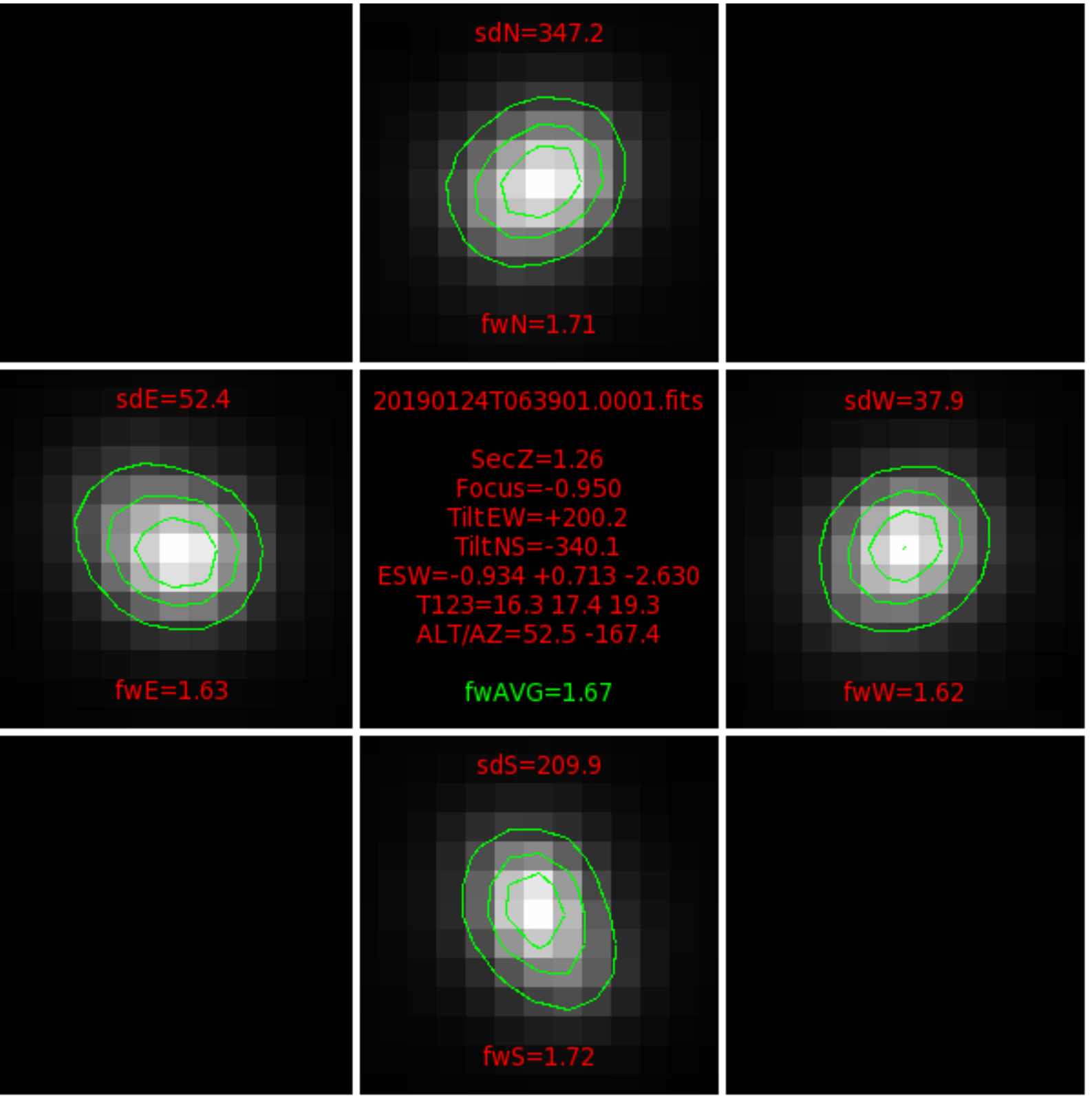

sdN=277.6
fwN=1.67
sdE=31.5
fwE=1.54
20190124T063422.0001.fits
SecZ=1.26
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.4 19.3
ALT/AZ=52.7 -162.6
fwAVG=1.58
sdW=52.7
fwW=1.45
sdS=91.9
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=238.0
fwN=1.75
sdE=23.0
fwE=1.54
20190124T063455.0001.fits
SecZ=1.26
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.4 19.3
ALT/AZ=52.6 -162.4
fwAVG=1.59
sdW=57.9
fwW=1.45
sdS=82.2
fwS=1.60
0 0 0 0 0 0 0 0 0


sdN=25.9
fwN=1.68
sdE=230.4
fwE=1.62
20190124T063559.0001.fits
SecZ=1.28
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.4 19.3
ALT/AZ=51.6 -165.6
fwAVG=1.66
sdW=164.2
fwW=1.70
sdS=69.2
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=63.2
fwN=1.72
sdE=284.4
fwE=1.56
20190124T063735.0001.fits
SecZ=1.24
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.4 19.3
ALT/AZ=53.6 -164.2
fwAVG=1.64
sdW=268.9
fwW=1.60
sdS=134.5
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=44.3
fwN=1.55
sdE=143.3
fwE=1.69
20190124T063808.0001.fits
SecZ=1.25
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.4 19.3
ALT/AZ=52.8 -166.0
fwAVG=1.59
sdW=199.8
fwW=1.47
sdS=94.6
fwS=1.64
0 0 0 0 0 0 0 0 0


sdN=347.2
fwN=1.71
sdE=52.4
fwE=1.63
20190124T063901.0001.fits
SecZ=1.26
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.4 19.3
ALT/AZ=52.5 -167.4
fwAVG=1.67
sdW=37.9
fwW=1.62
sdS=209.9
fwS=1.72
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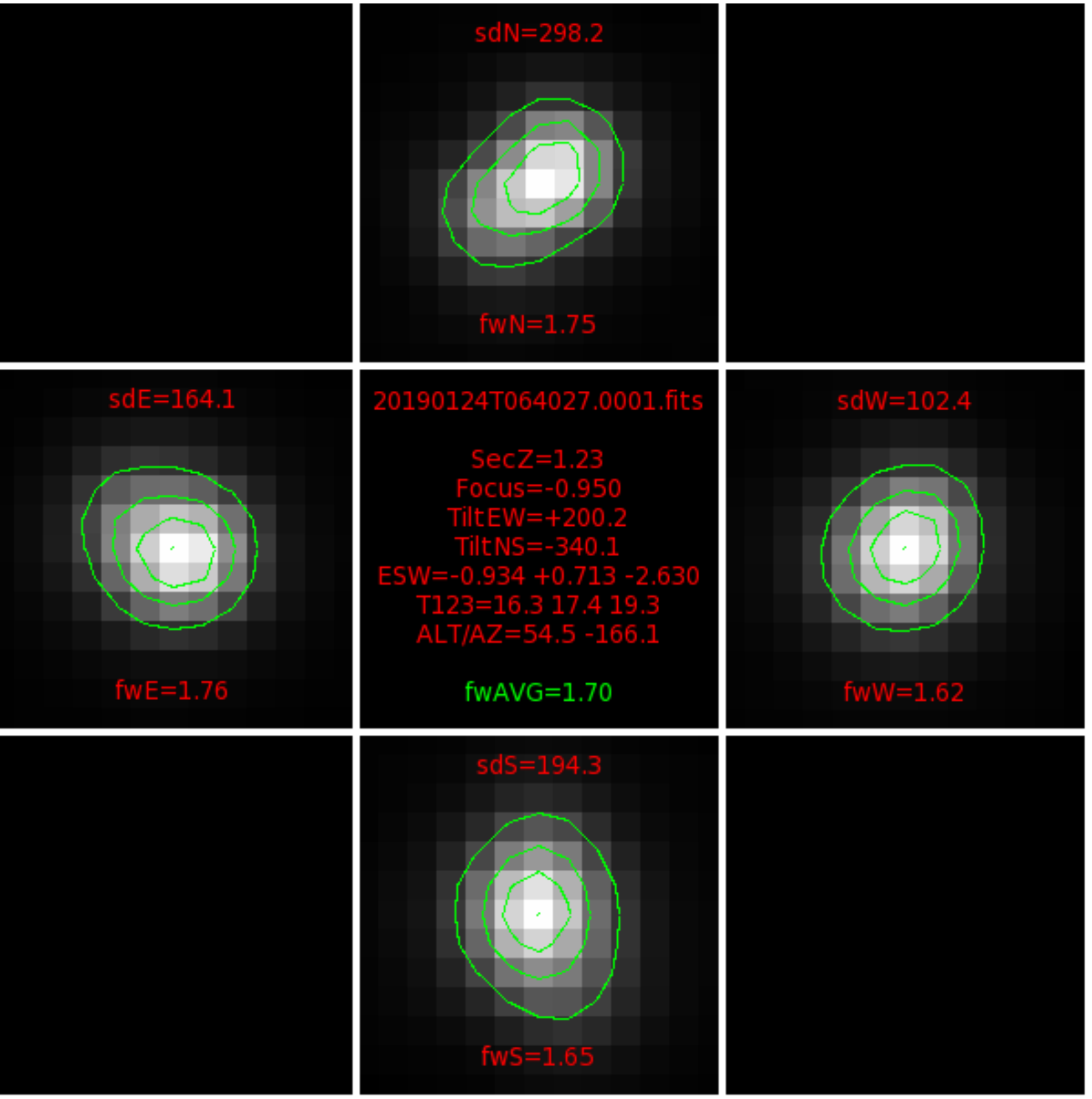
sdN=298.2
fwN=1.75
sdE=164.1
fwE=1.76
20190124T064027.0001.fits
SecZ=1.23
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.4 19.3
ALT/AZ=54.5 -166.1
fwAVG=1.70
sdW=102.4
fwW=1.62
sdS=194.3
fwS=1.65
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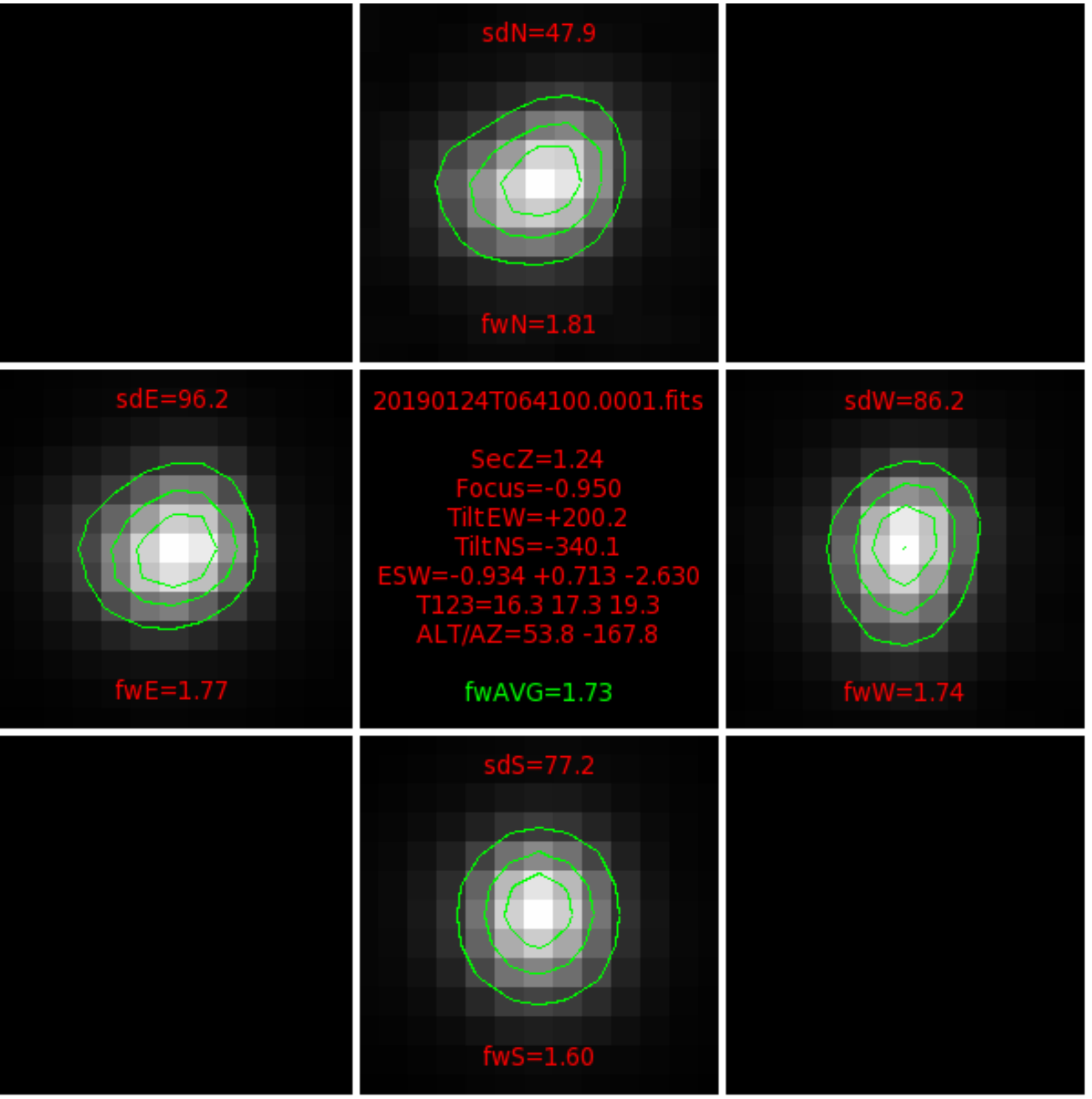
sdN=47.9
fwN=1.81
sdE=96.2
fwE=1.77
20190124T064100.0001.fits
SecZ=1.24
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.3 19.3
ALT/AZ=53.8 -167.8
fwAVG=1.73
sdW=86.2
fwW=1.74
sdS=77.2
fwS=1.60
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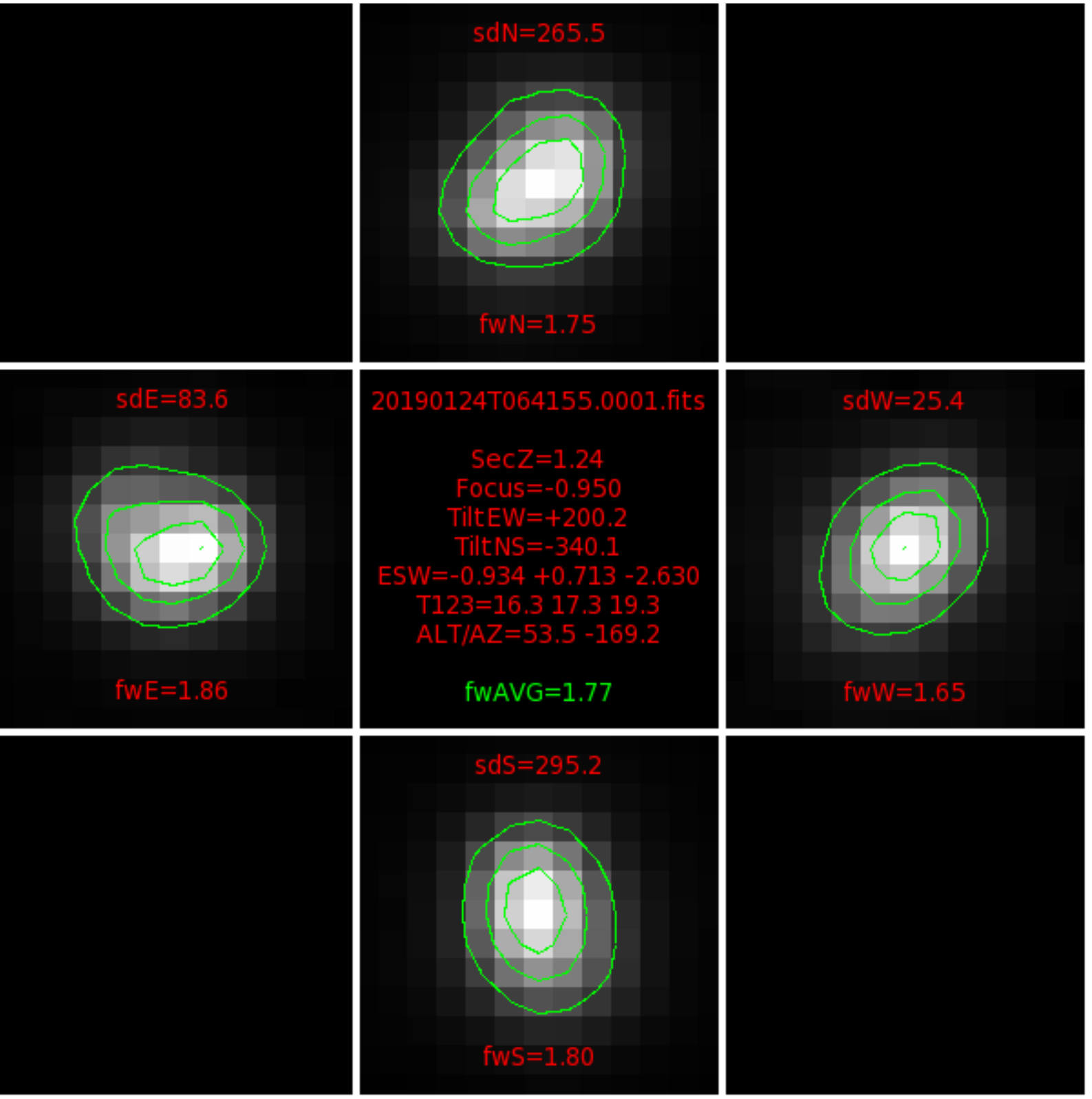
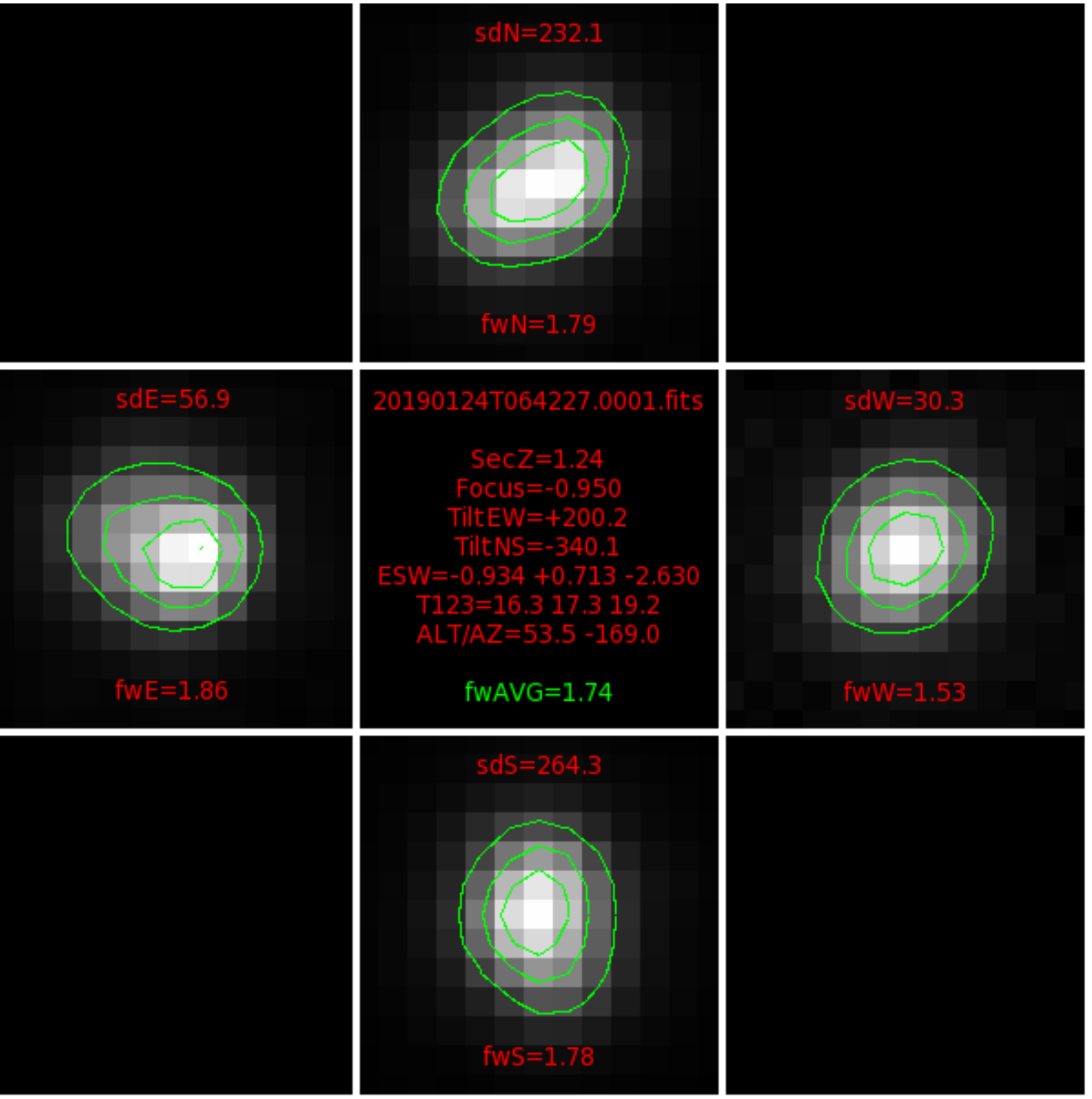

sdN=265.5
fwN=1.75
sdE=83.6
fwE=1.86
20190124T064155.0001.fits
SecZ=1.24
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.3 19.3
ALT/AZ=53.5 -169.2
fwAVG=1.77
sdW=25.4
fwW=1.65
sdS=295.2
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=232.1
fwN=1.79
sdE=56.9
fwE=1.86
20190124T064227.0001.fits
SecZ=1.24
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.3 19.2
ALT/AZ=53.5 -169.0
fwAVG=1.74
sdW=30.3
fwW=1.53
sdS=264.3
fwS=1.78
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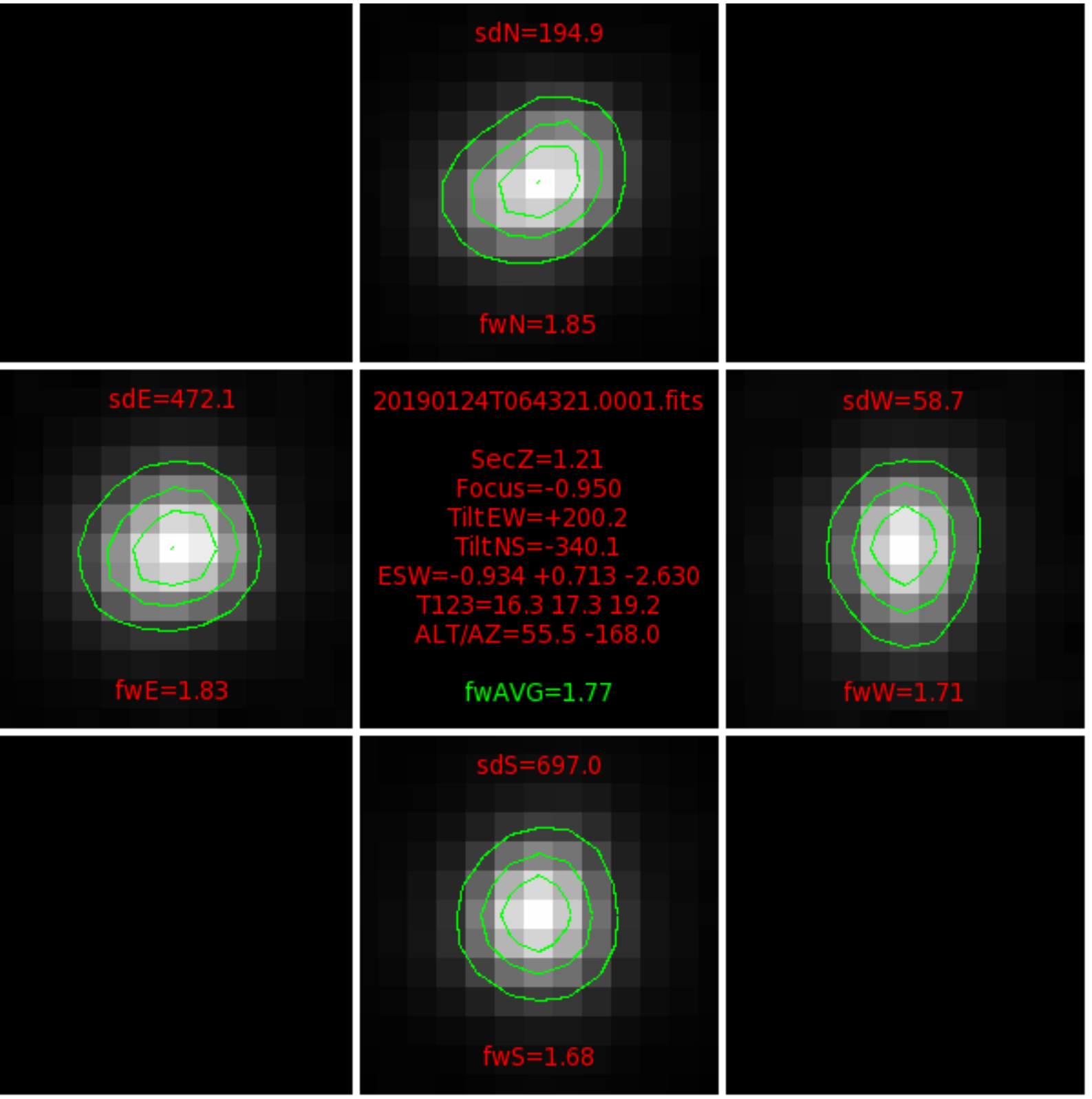
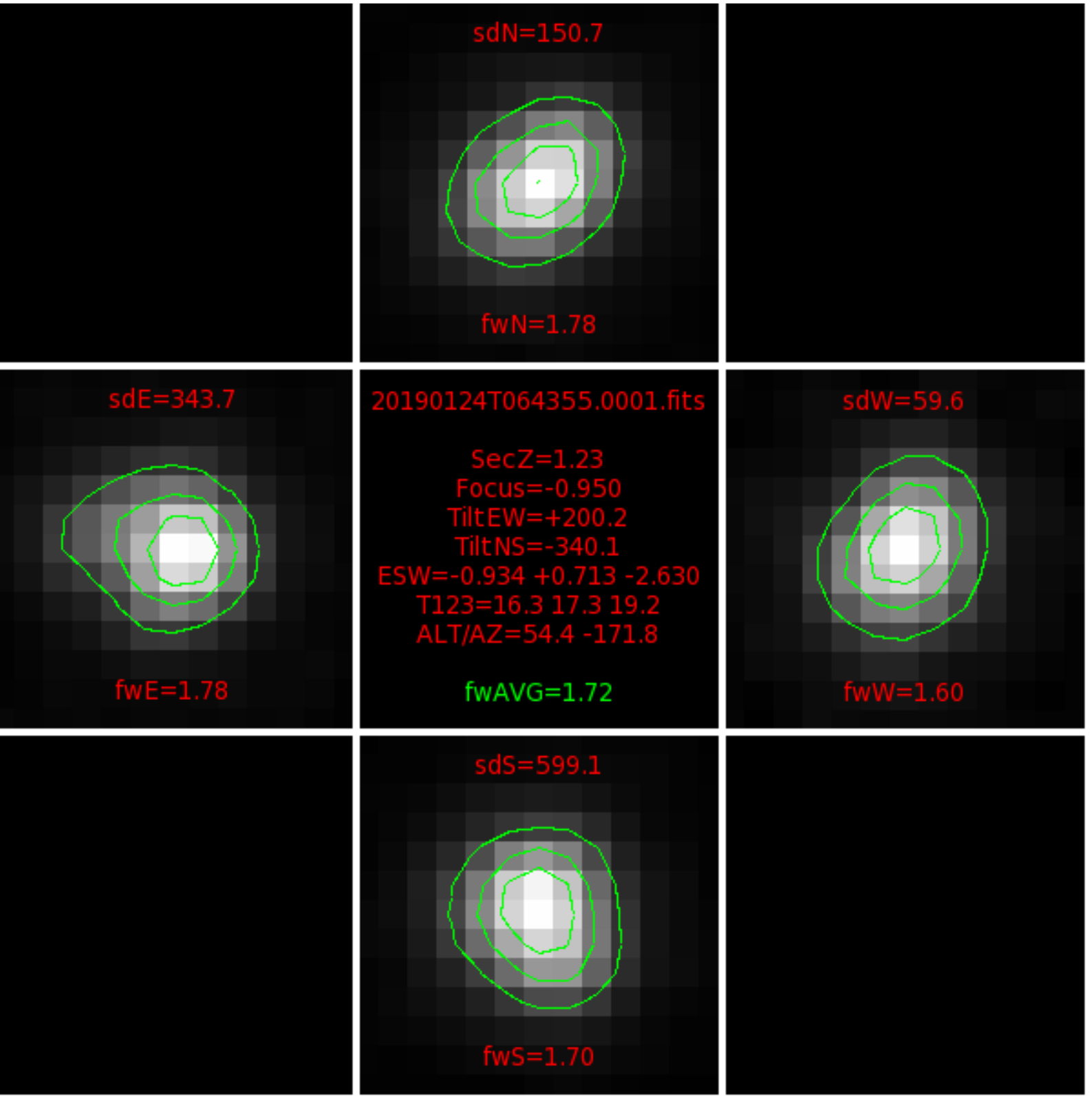
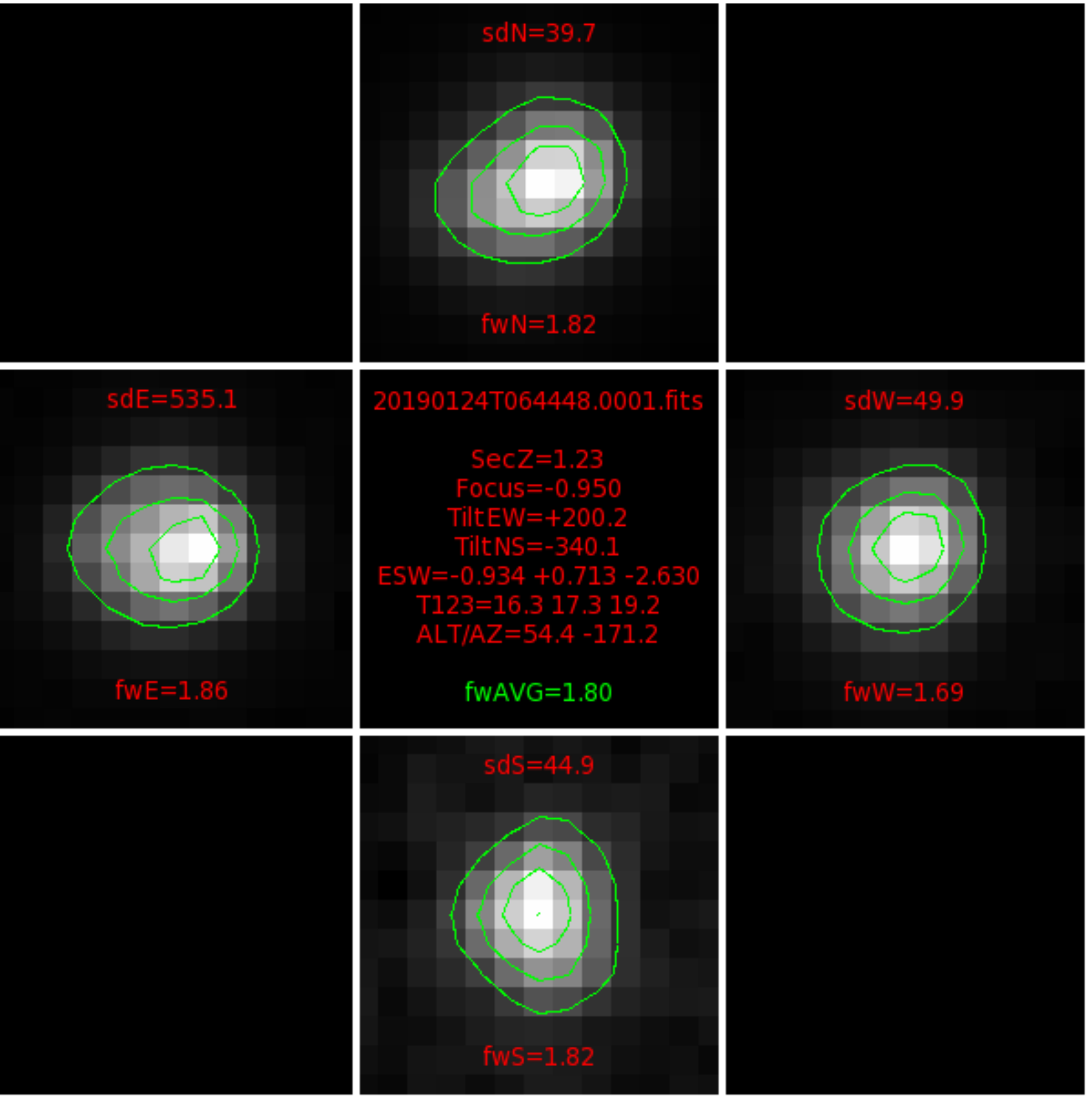

sdN=194.9
fwN=1.85
sdE=472.1
fwE=1.83
20190124T064321.0001.fits
SecZ=1.21
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.3 19.2
ALT/AZ=55.5 -168.0
fwAVG=1.77
sdW=58.7
fwW=1.71
sdS=697.0
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=150.7
fwN=1.78
sdE=343.7
fwE=1.78
20190124T064355.0001.fits
SecZ=1.23
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.3 19.2
ALT/AZ=54.4 -171.8
fwAVG=1.72
sdW=59.6
fwW=1.60
sdS=599.1
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=39.7
fwN=1.82
sdE=535.1
fwE=1.86
20190124T064448.0001.fits
SecZ=1.23
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.3 19.2
ALT/AZ=54.4 -171.2
fwAVG=1.80
sdW=49.9
fwW=1.69
sdS=44.9
fwS=1.82
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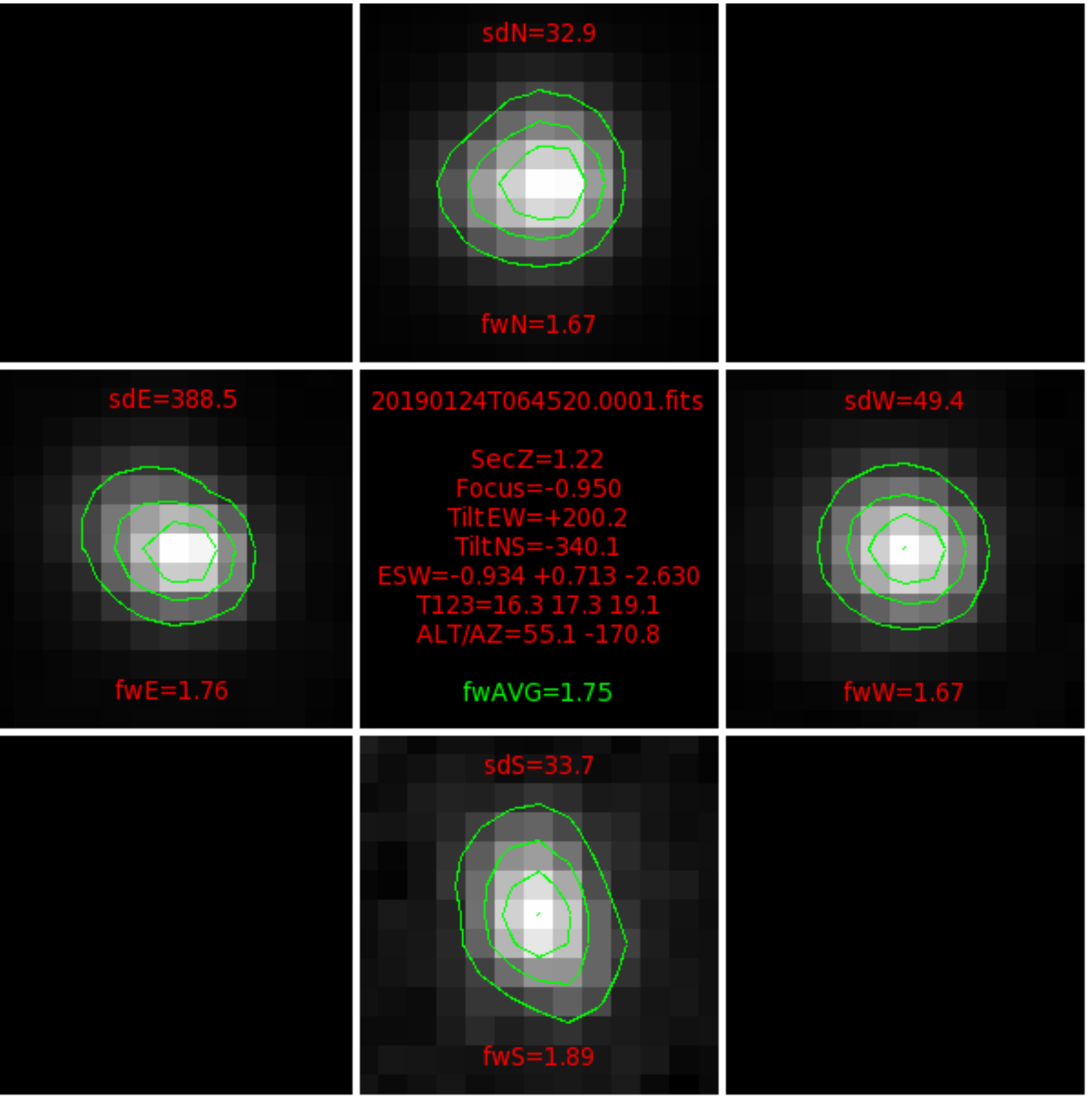
sdN=32.9
fwN=1.67
sdE=388.5
fwE=1.76
20190124T064520.0001.fits
SecZ=1.22
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.3 19.1
ALT/AZ=55.1 -170.8
fwAVG=1.75
sdW=49.4
fwW=1.67
sdS=33.7
fwS=1.89
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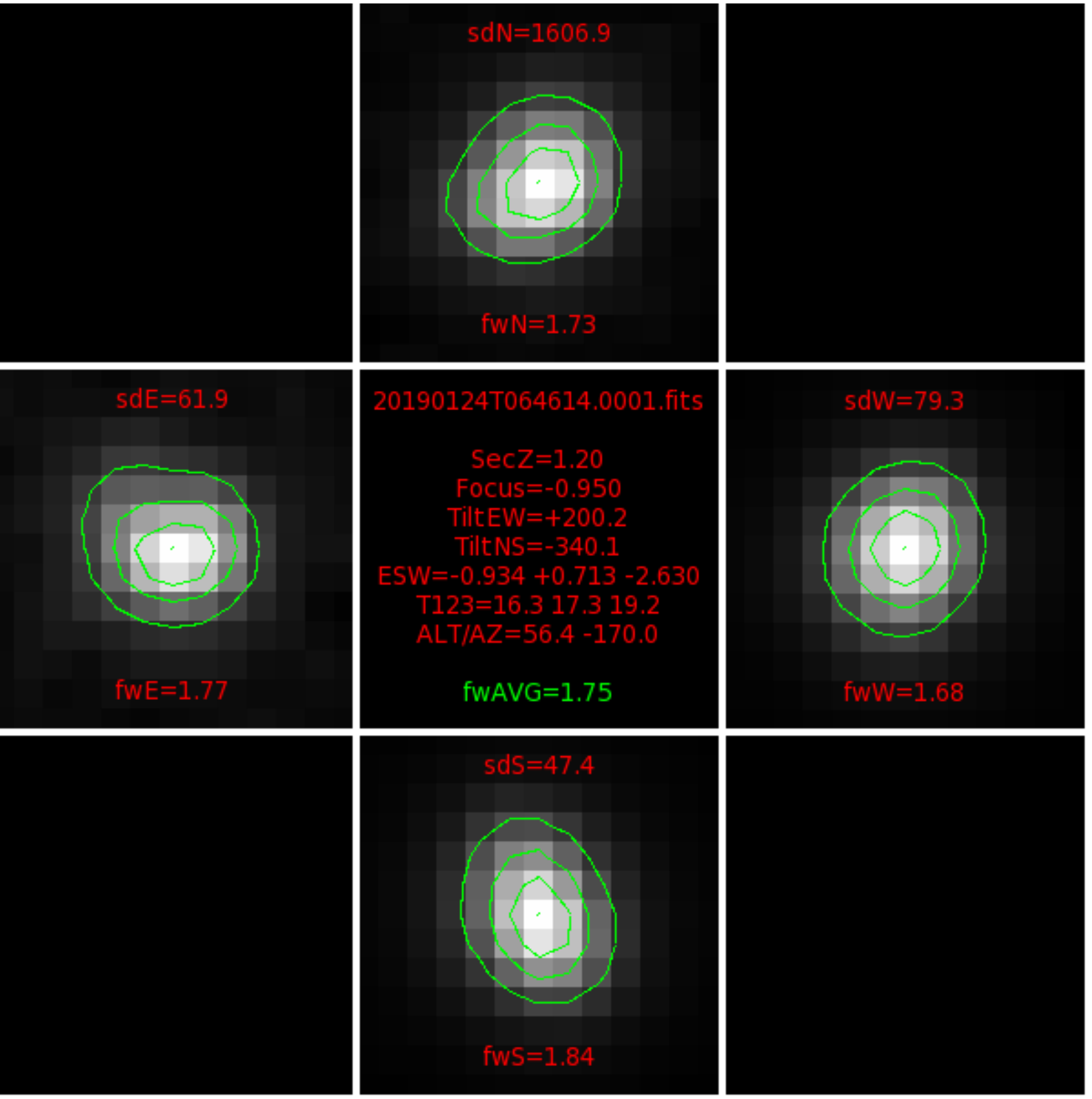
sdN=1606.9
fwN=1.73
sdE=61.9
fwE=1.77
20190124T064614.0001.fits
SecZ=1.20
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.3 19.2
ALT/AZ=56.4 -170.0
fwAVG=1.75
sdW=79.3
fwW=1.68
sdS=47.4
fwS=1.84
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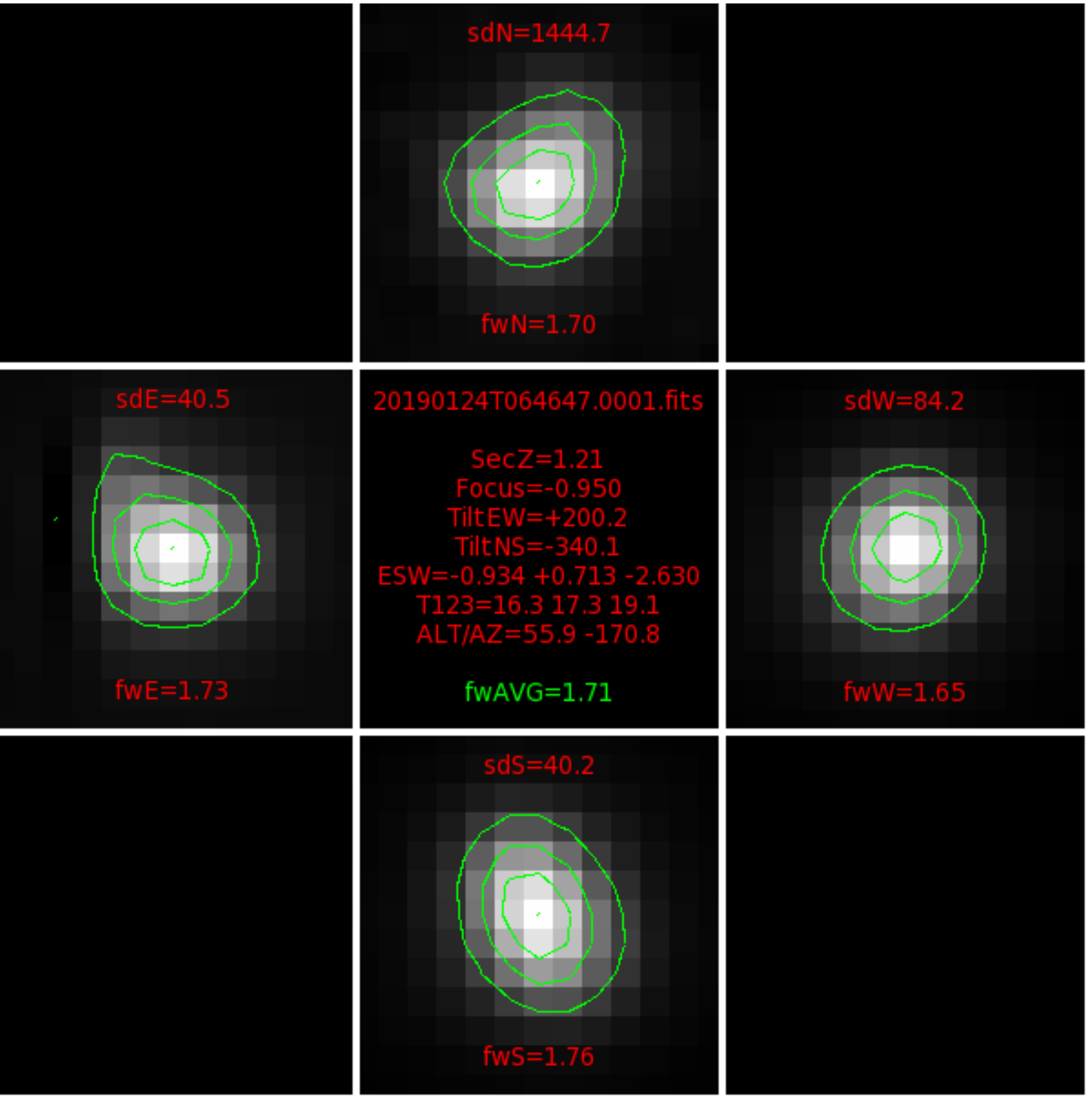
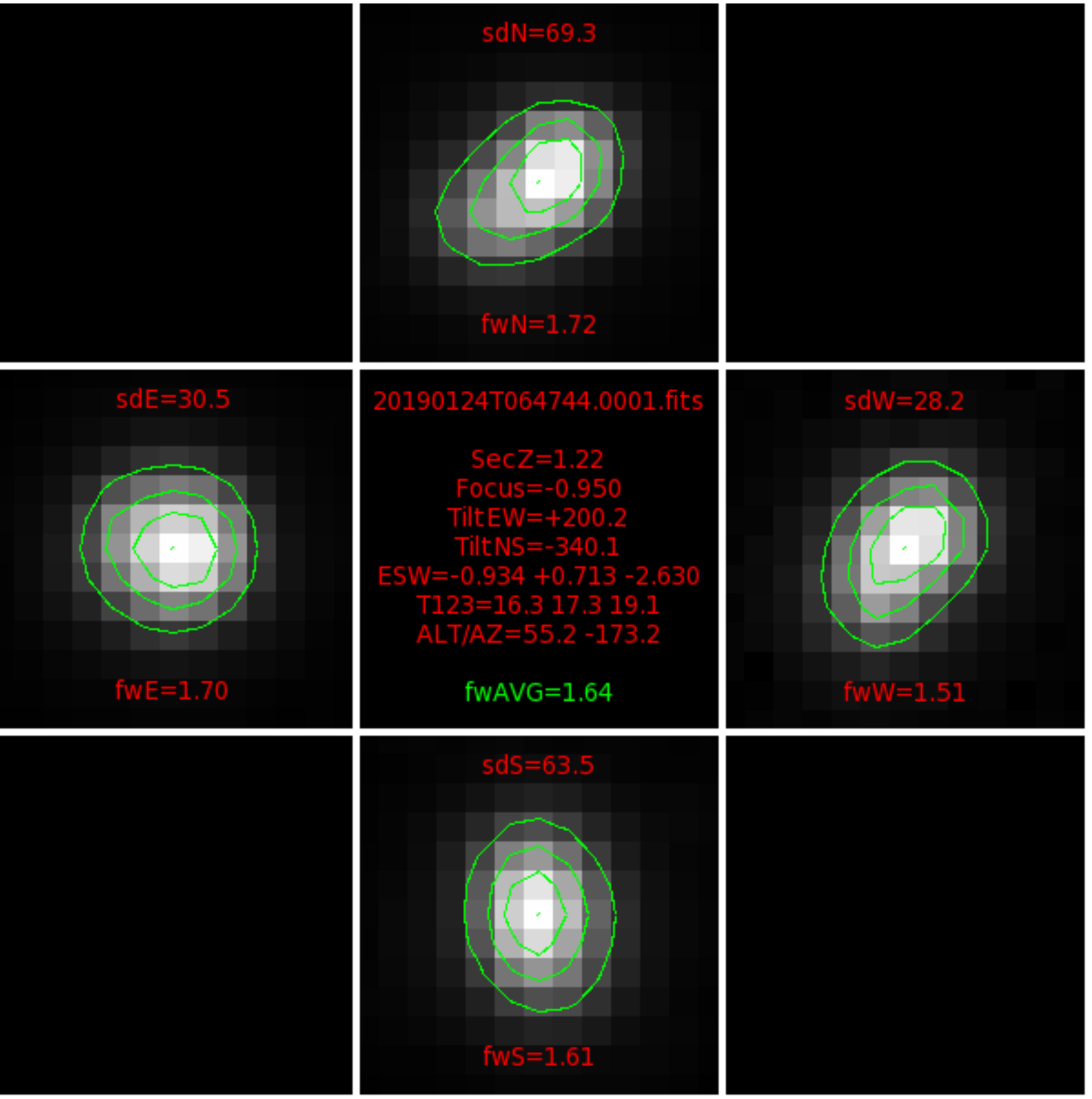

sdN=1444.7
fwN=1.70
sdE=40.5
fwE=1.73
20190124T064647.0001.fits
SecZ=1.21
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.3 19.1
ALT/AZ=55.9 -170.8
fwAVG=1.71
sdW=84.2
fwW=1.65
sdS=40.2
fwS=1.76
0 0 0 0 0 0 0 0 0


sdN=69.3
fwN=1.72
sdE=30.5
fwE=1.70
20190124T064744.0001.fits
SecZ=1.22
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.3 19.1
ALT/AZ=55.2 -173.2
fwAVG=1.64
sdW=28.2
fwW=1.51
sdS=63.5
fwS=1.61
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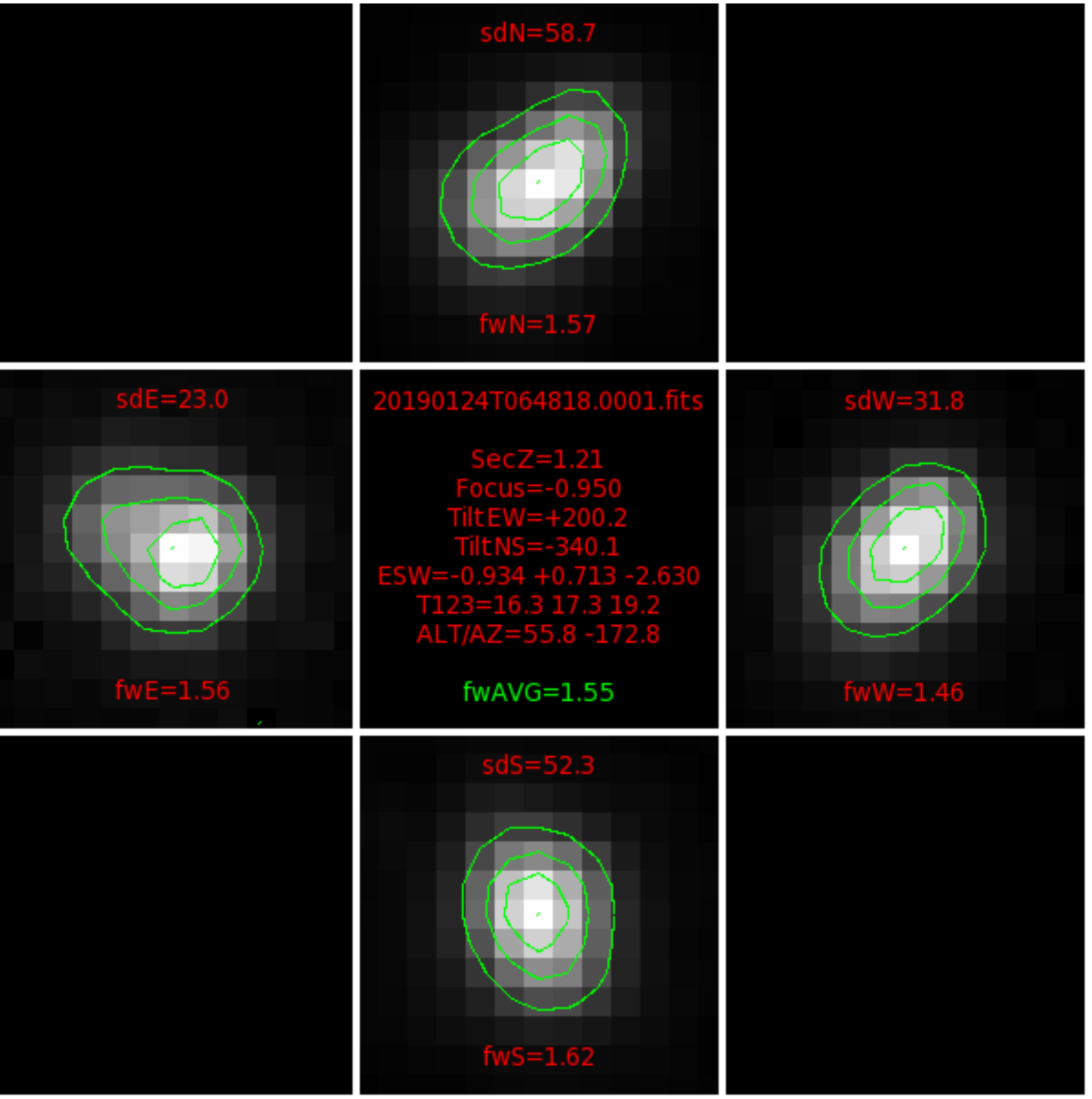
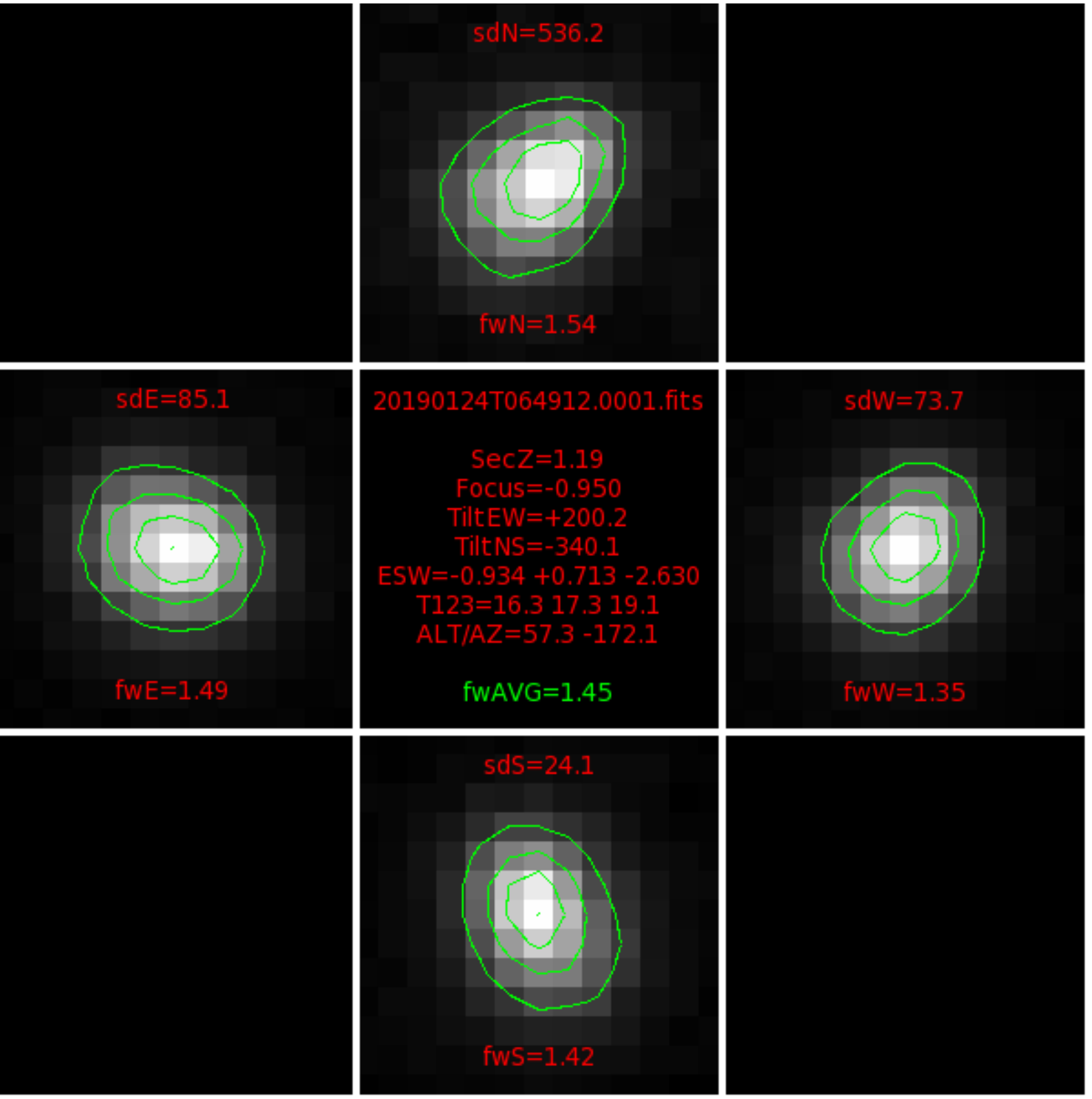

sdN=58.7
fwN=1.57
sdE=23.0
fwE=1.56
20190124T064818.0001.fits
SecZ=1.21
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.3 19.2
ALT/AZ=55.8 -172.8
fwAVG=1.55
sdW=31.8
fwW=1.46
sdS=52.3
fwS=1.62
0 0 0 0 0 0 0 0 0


sdN=536.2
fwN=1.54
sdE=85.1
fwE=1.49
20190124T064912.0001.fits
SecZ=1.19
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.3 19.1
ALT/AZ=57.3 -172.1
fwAVG=1.45
sdW=73.7
fwW=1.35
sdS=24.1
fwS=1.42
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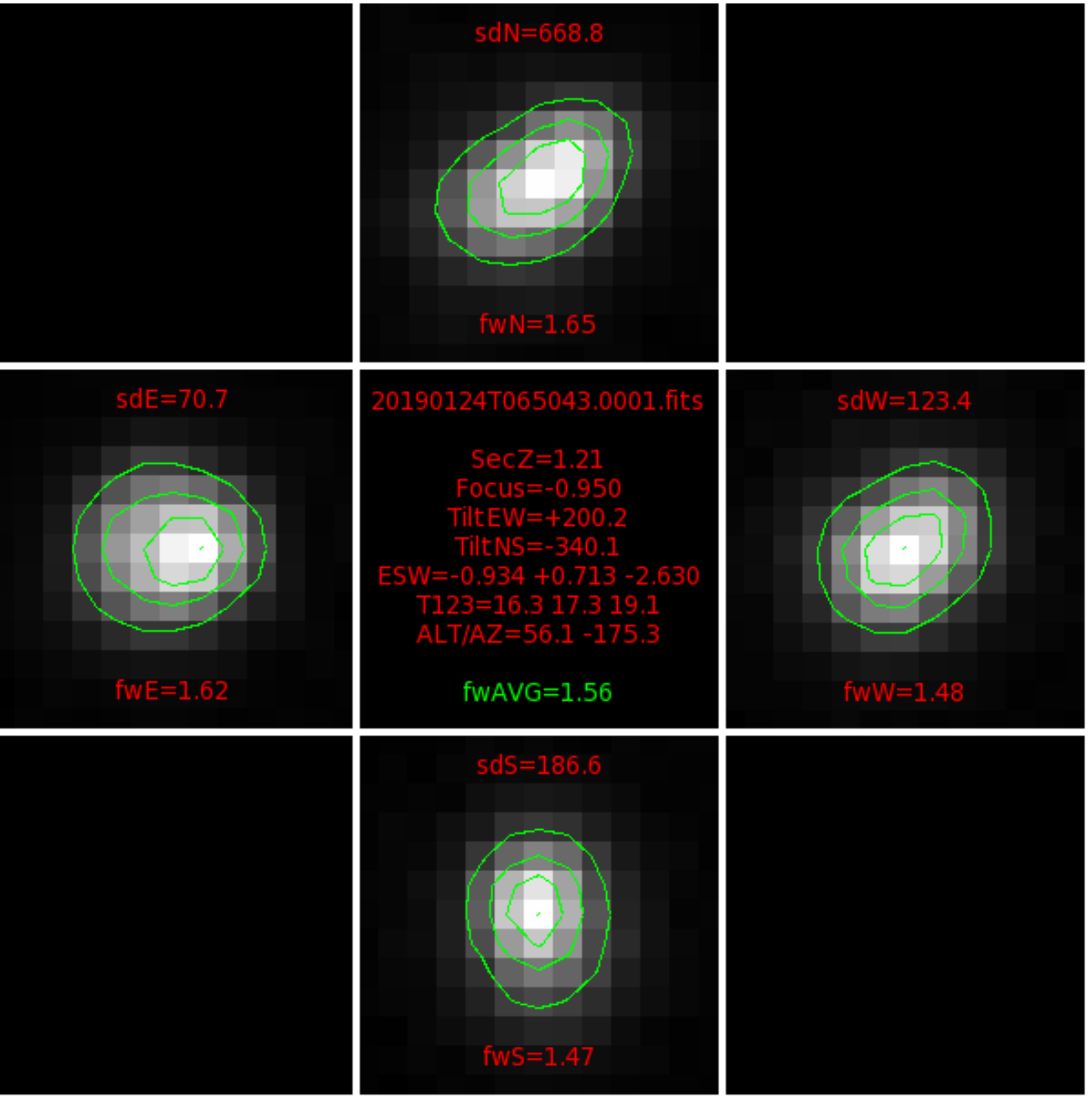
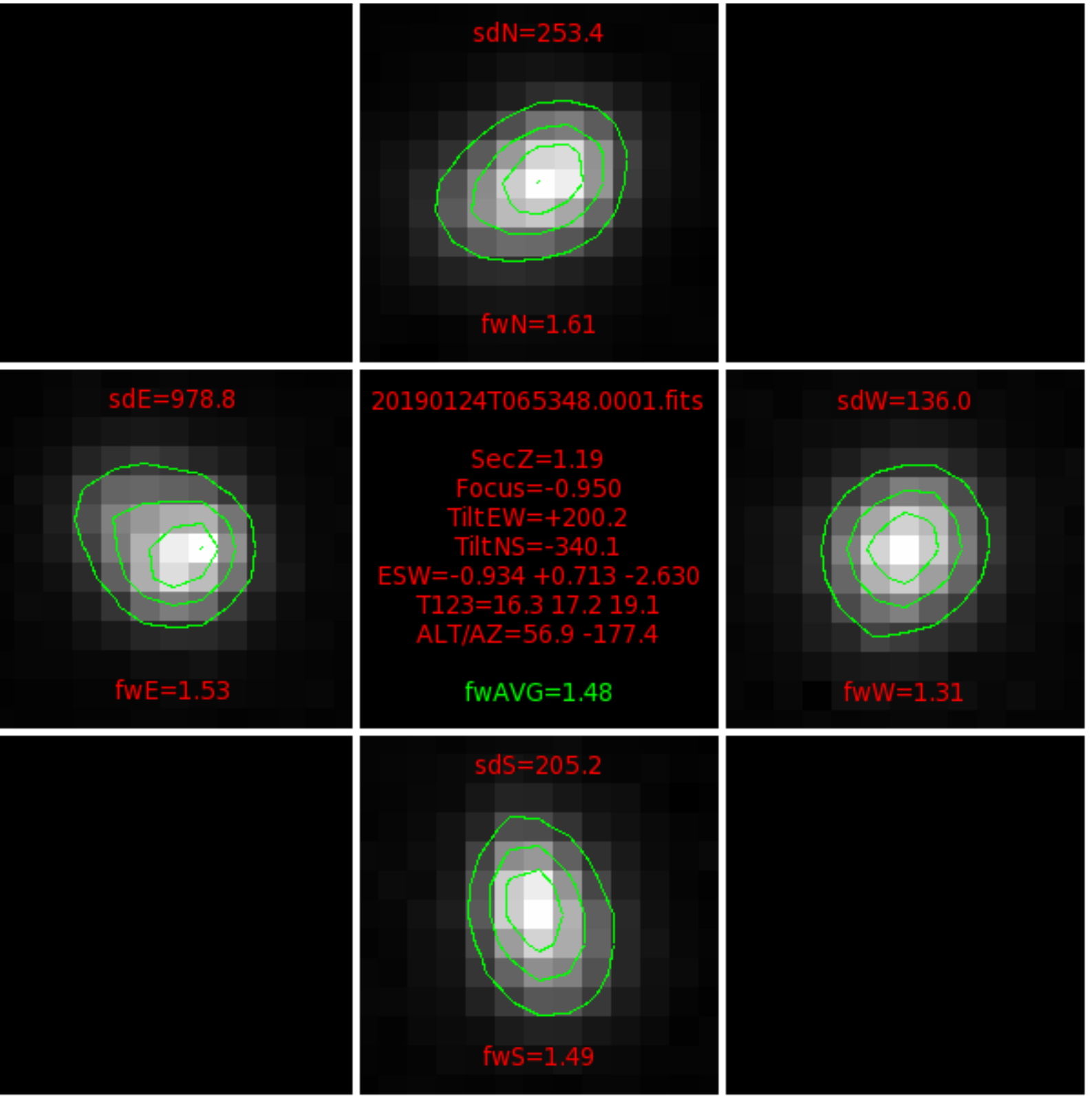

sdN=668.8
fwN=1.65
sdE=70.7
fwE=1.62
20190124T065043.0001.fits
SecZ=1.21
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.3 19.1
ALT/AZ=56.1 -175.3
fwAVG=1.56
sdW=123.4
fwW=1.48
sdS=186.6
fwS=1.47
0 0 0 0 0 0 0 0 0


sdN=253.4
fwN=1.61
sdE=978.8
fwE=1.53
20190124T065348.0001.fits
SecZ=1.19
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.2 19.1
ALT/AZ=56.9 -177.4
fwAVG=1.48
sdW=136.0
fwW=1.31
sdS=205.2
fwS=1.49
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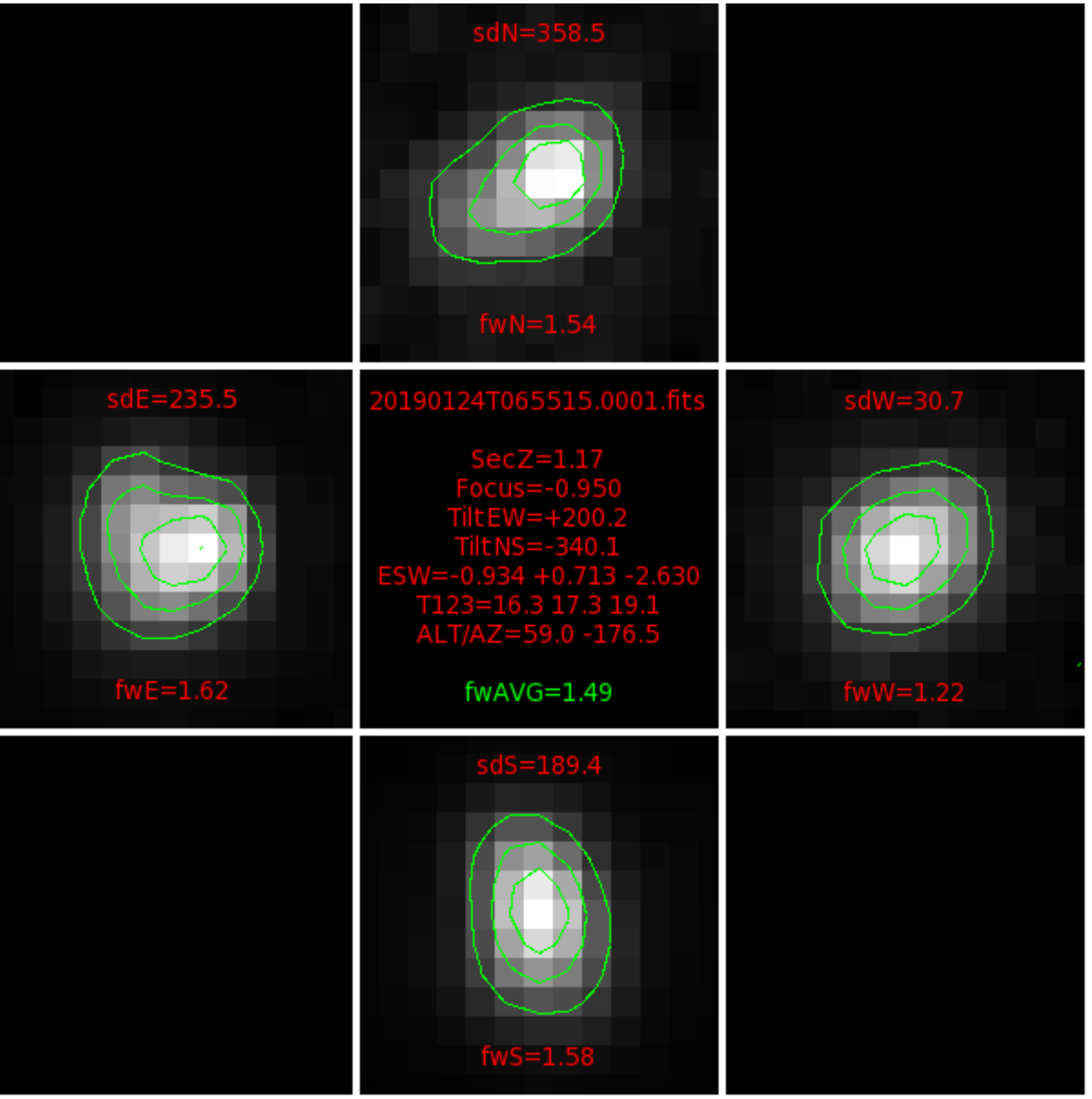
sdN=358.5
fwN=1.54
sdE=235.5
fwE=1.62
20190124T065515.0001.fits
SecZ=1.17
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.3 17.3 19.1
ALT/AZ=59.0 -176.5
fwAVG=1.49
sdW=30.7
fwW=1.22
sdS=189.4
fwS=1.58
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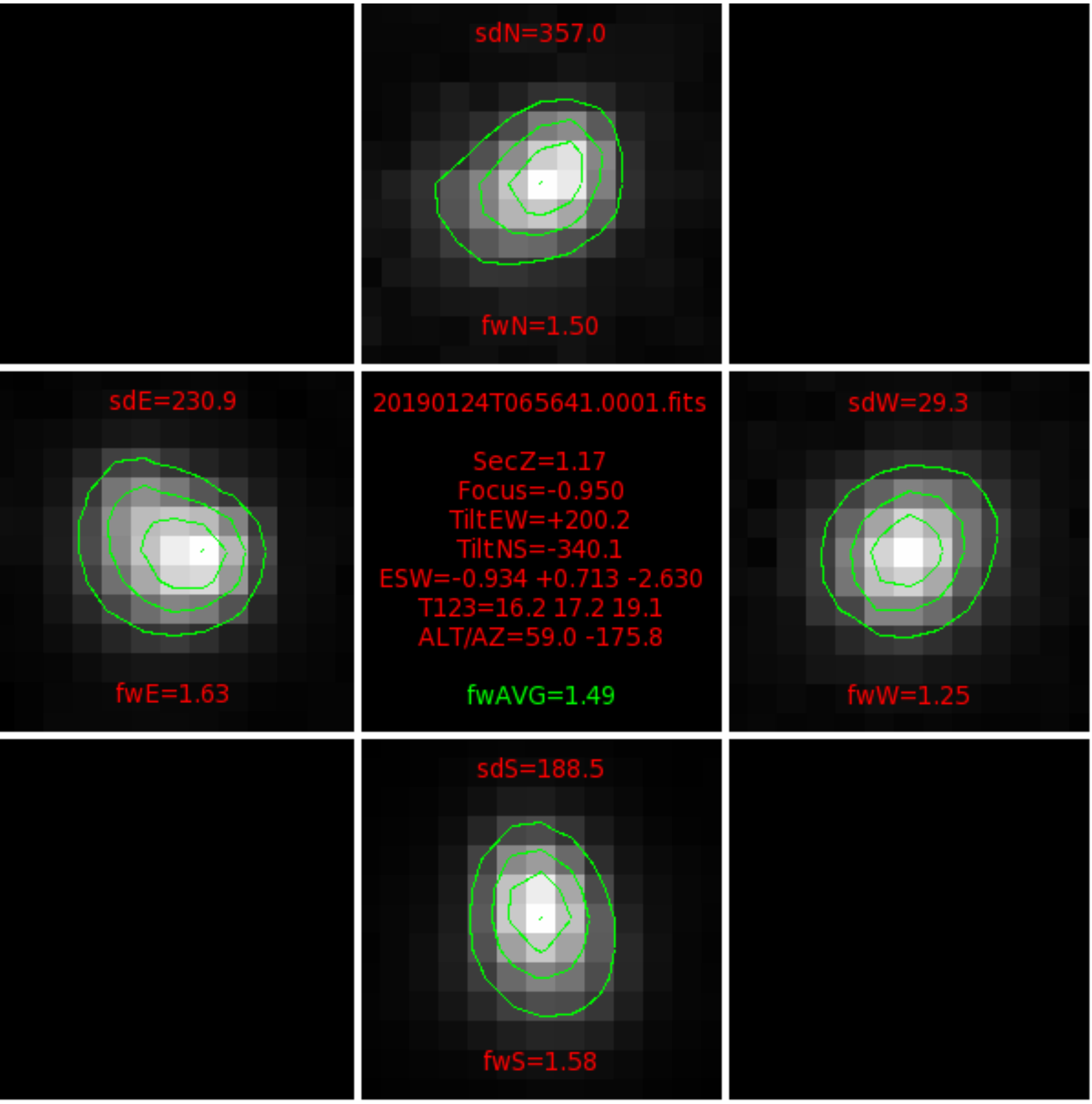
sdN=357.0
fwN=1.50
sdE=230.9
fwE=1.63
20190124T065641.0001.fits
SecZ=1.17
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.2 17.2 19.1
ALT/AZ=59.0 -175.8
fwAVG=1.49
sdW=29.3
fwW=1.25
sdS=188.5
fwS=1.58
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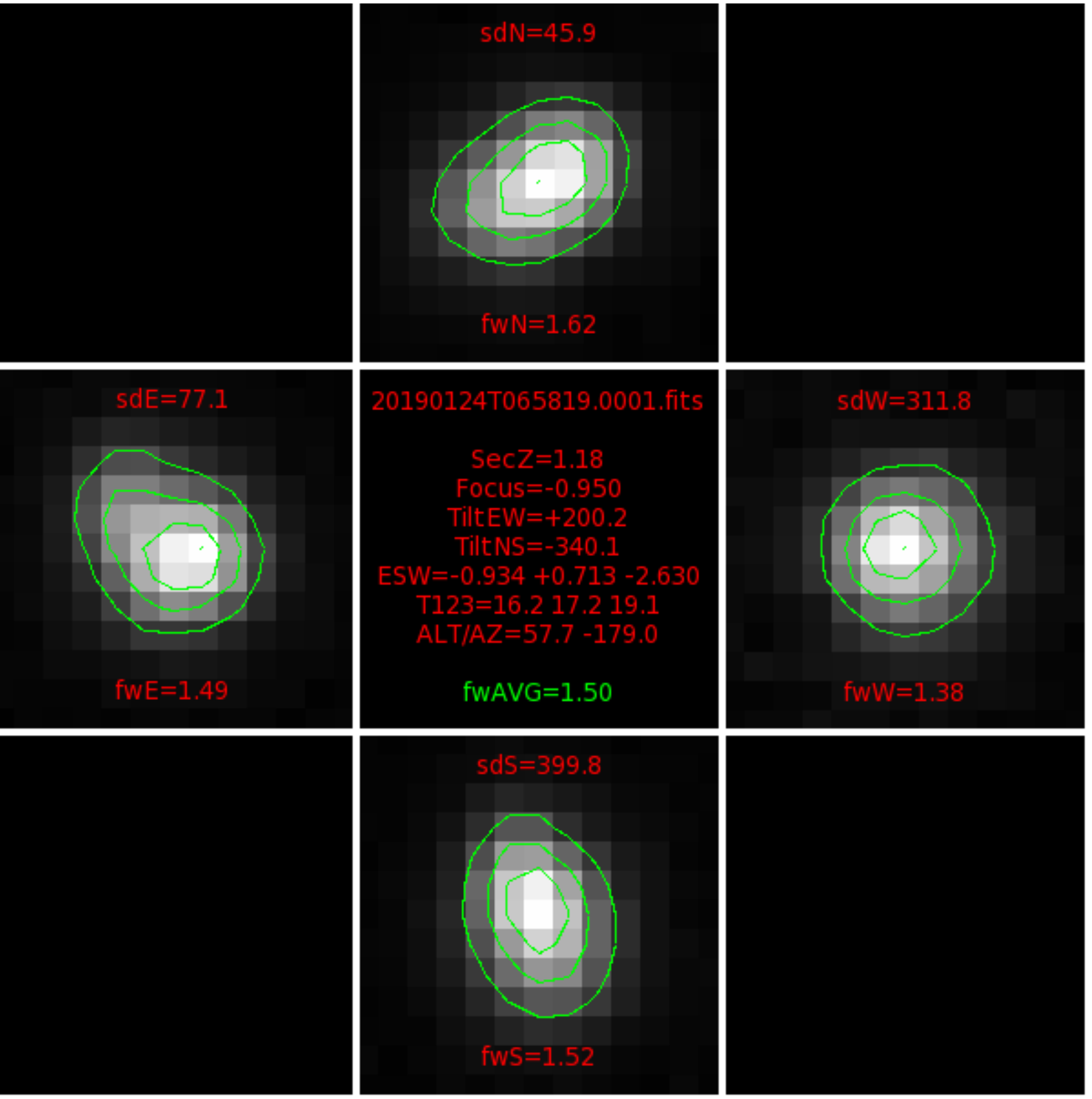
sdN=45.9
fwN=1.62
sdE=77.1
fwE=1.49
20190124T065819.0001.fits
SecZ=1.18
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.2 17.2 19.1
ALT/AZ=57.7 -179.0
fwAVG=1.50
sdW=311.8
fwW=1.38
sdS=399.8
fwS=1.52
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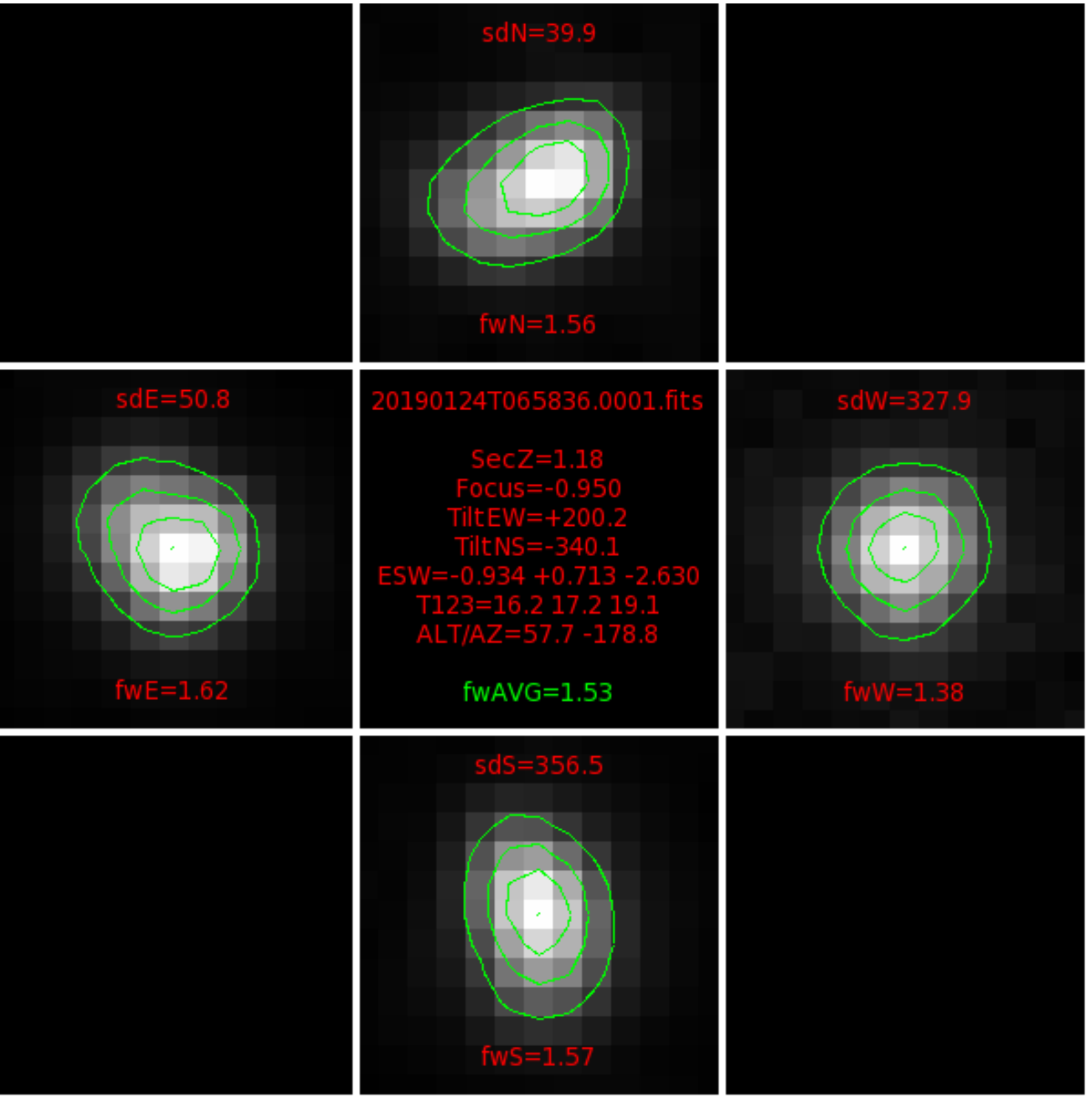
sdN=39.9
fwN=1.56
sdE=50.8
fwE=1.62
20190124T065836.0001.fits
SecZ=1.18
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.2 17.2 19.1
ALT/AZ=57.7 -178.8
fwAVG=1.53
sdW=327.9
fwW=1.38
sdS=356.5
fwS=1.57
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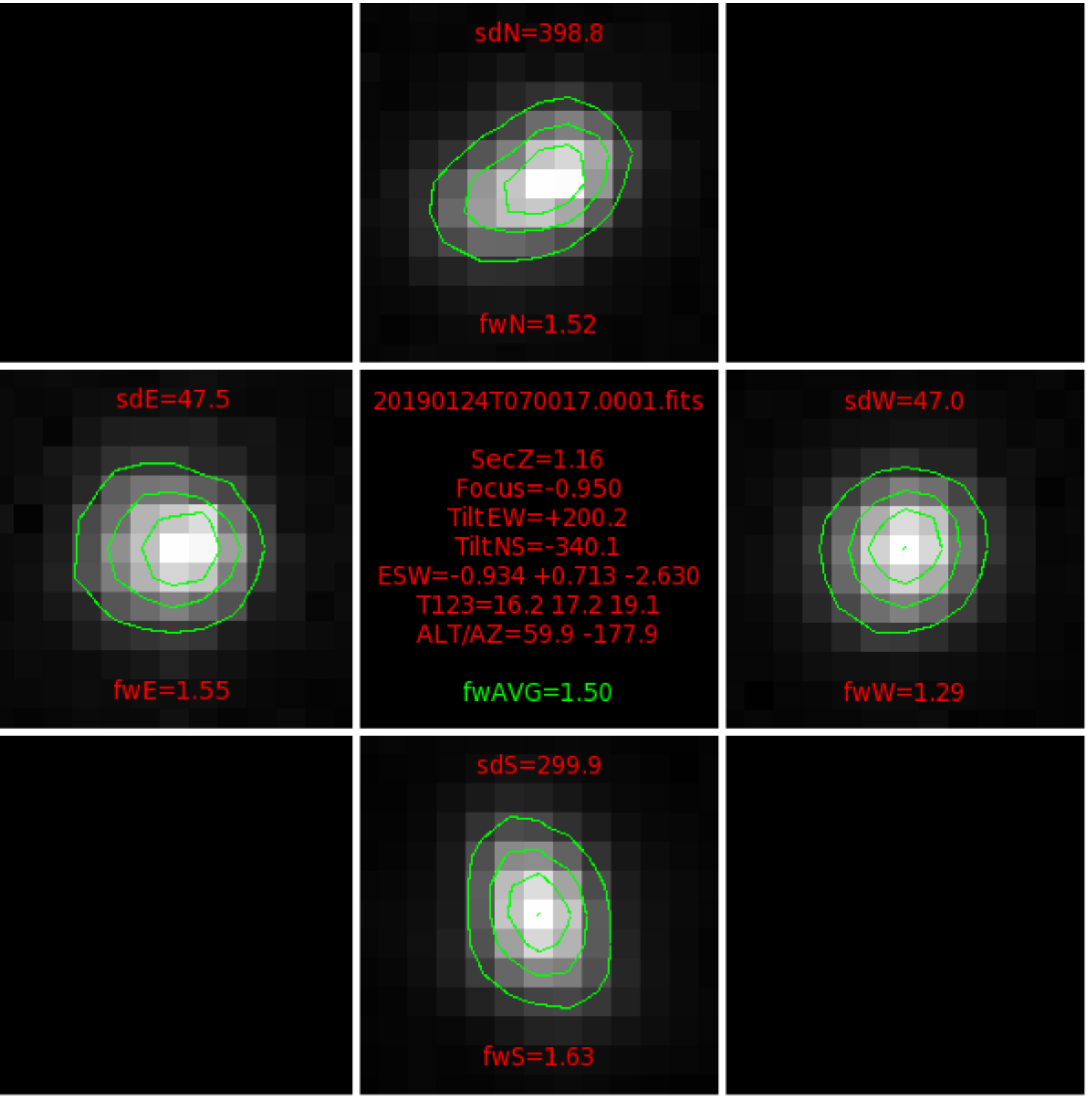
sdN=398.8
fwN=1.52
sdE=47.5
fwE=1.55
20190124T070017.0001.fits
SecZ=1.16
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.2 17.2 19.1
ALT/AZ=59.9 -177.9
fwAVG=1.50
sdW=47.0
fwW=1.29
sdS=299.9
fwS=1.63
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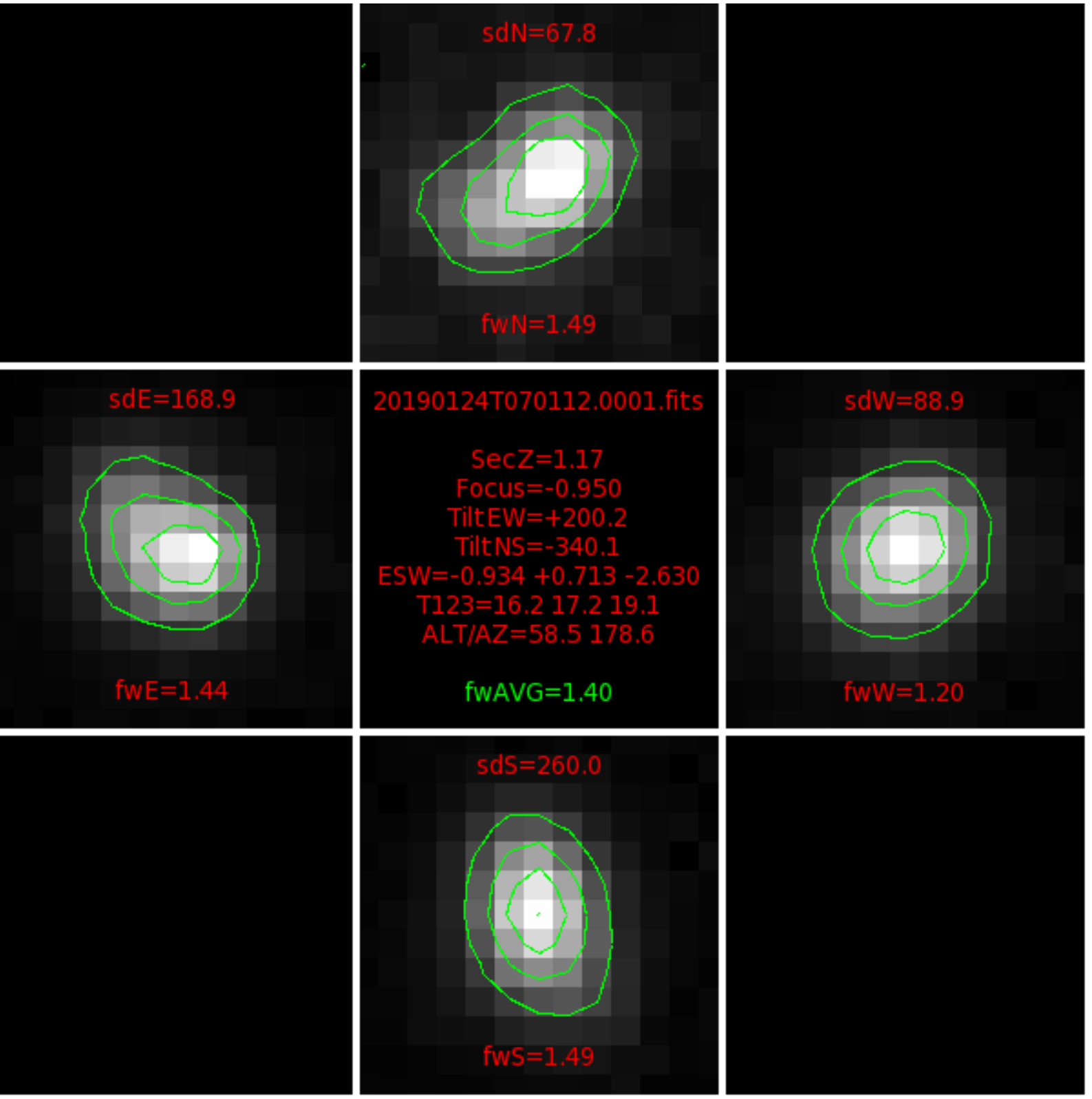
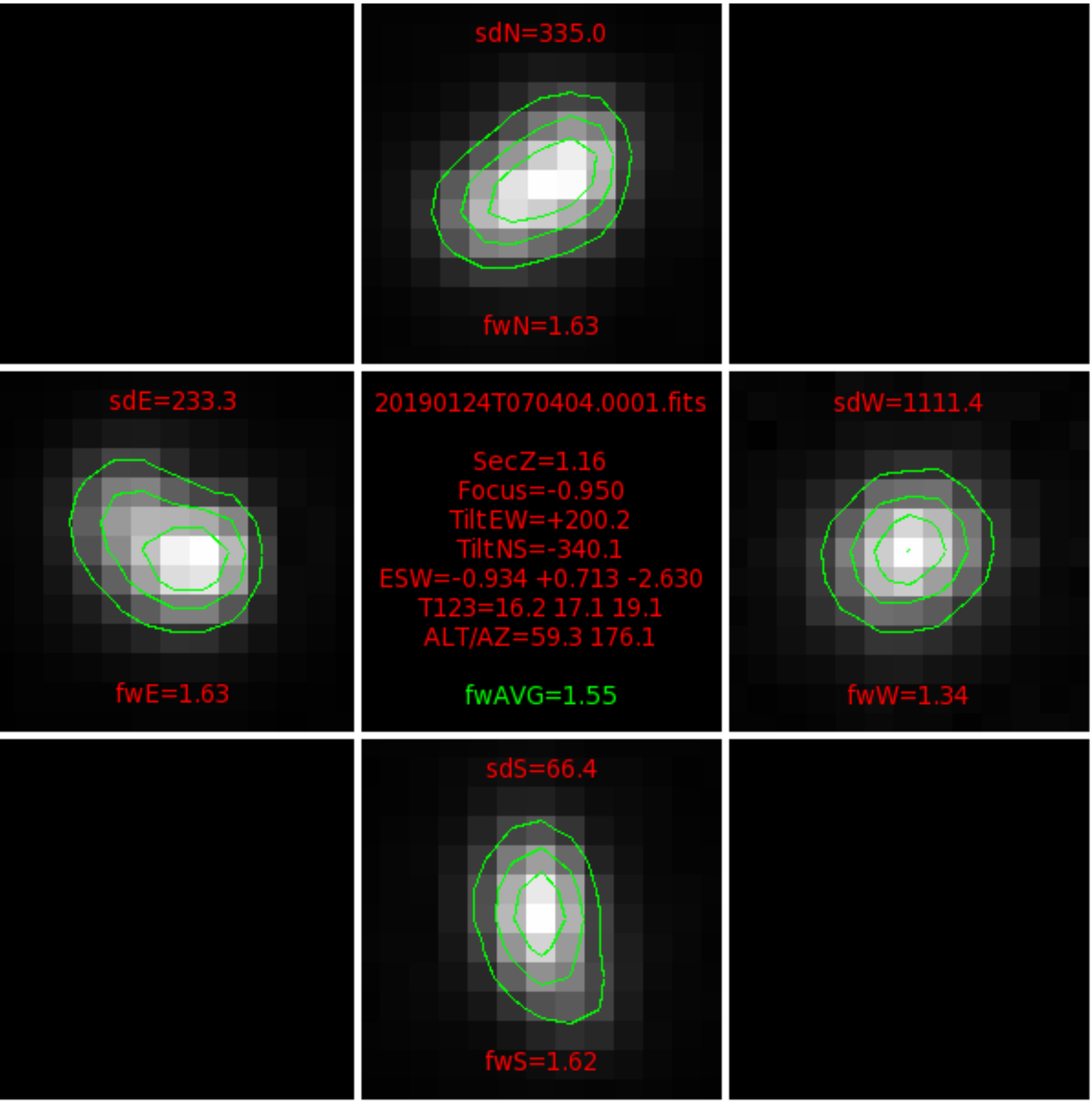

sdN=67.8
fwN=1.49
sdE=168.9
fwE=1.44
20190124T070112.0001.fits
SecZ=1.17
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.2 17.2 19.1
ALT/AZ=58.5 178.6
fwAVG=1.40
sdW=88.9
fwW=1.20
sdS=260.0
fwS=1.49
0 0 0 0 0 0 0 0 0


sdN=335.0
fwN=1.63
sdE=233.3
fwE=1.63
20190124T070404.0001.fits
SecZ=1.16
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.2 17.1 19.1
ALT/AZ=59.3 176.1
fwAVG=1.55
sdW=1111.4
fwW=1.34
sdS=66.4
fwS=1.62
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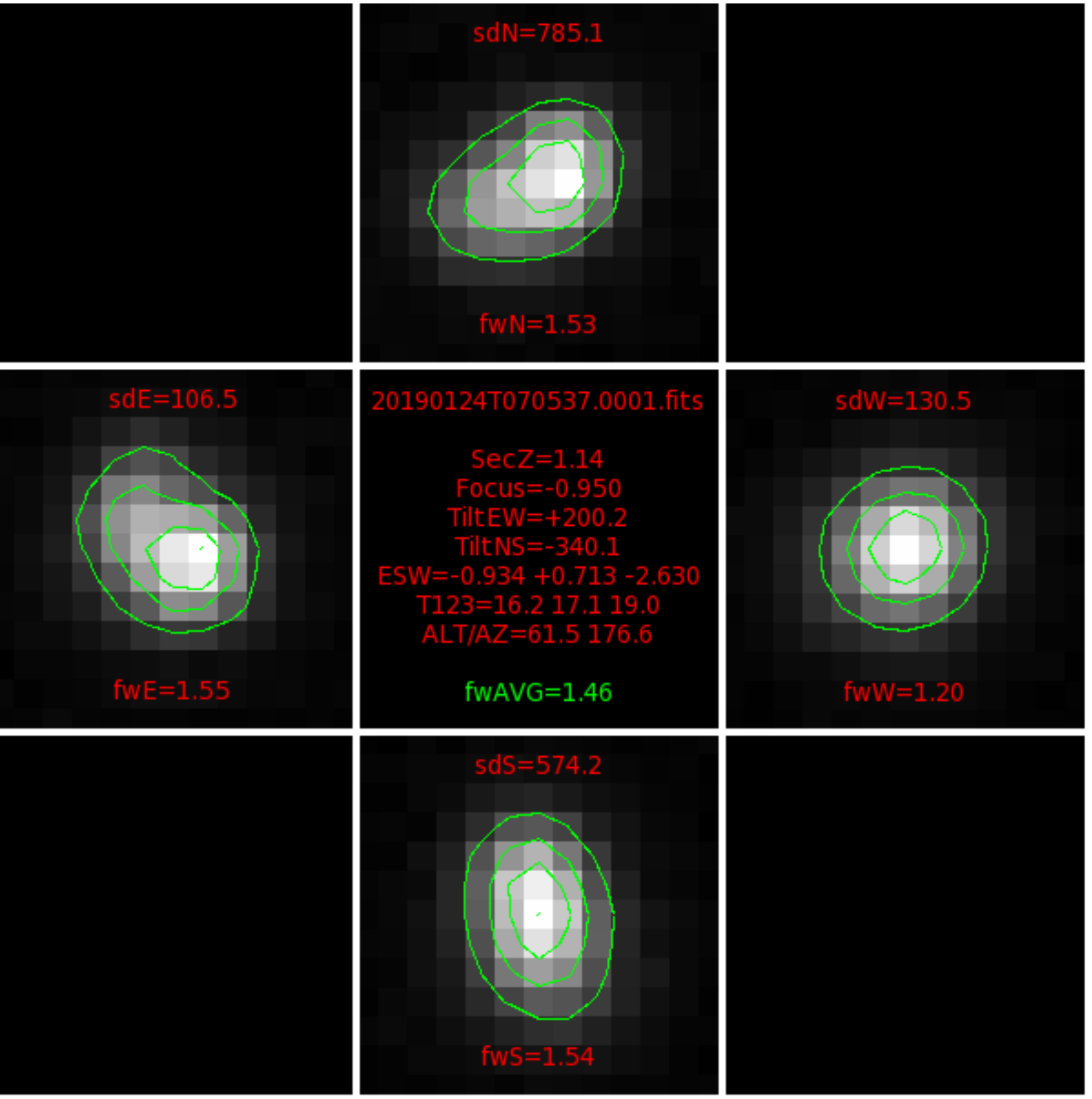
sdN=785.1
fwN=1.53
sdE=106.5
fwE=1.55
20190124T070537.0001.fits
SecZ=1.14
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.2 17.1 19.0
ALT/AZ=61.5 176.6
fwAVG=1.46
sdW=130.5
fwW=1.20
sdS=574.2
fwS=1.54
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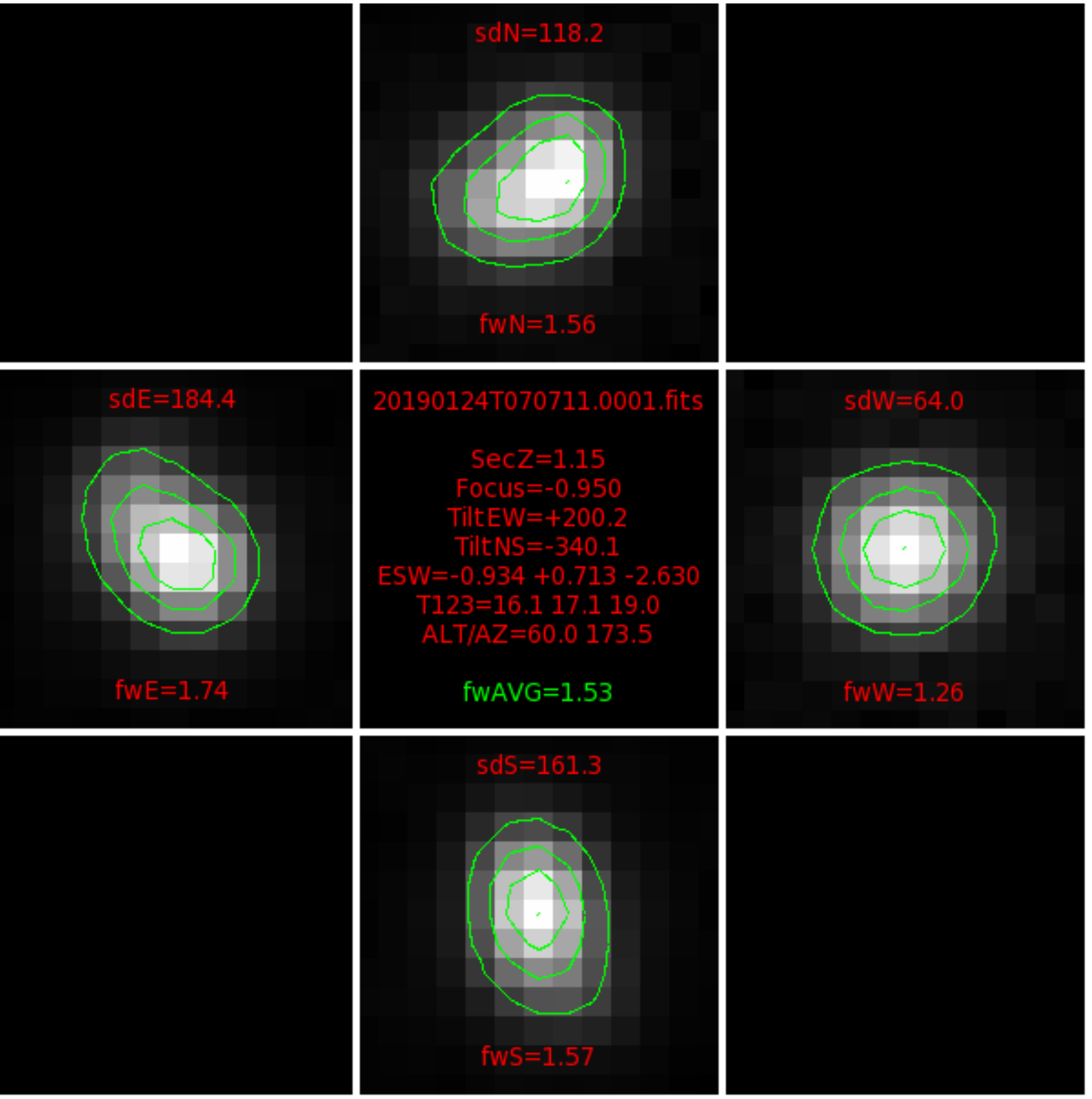
sdN=118.2
fwN=1.56
sdE=184.4
fwE=1.74
20190124T070711.0001.fits
SecZ=1.15
Focus=-0.950
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.934 +0.713 -2.630
T123=16.1 17.1 19.0
ALT/AZ=60.0 173.5
fwAVG=1.53
sdW=64.0
fwW=1.26
sdS=161.3
fwS=1.57
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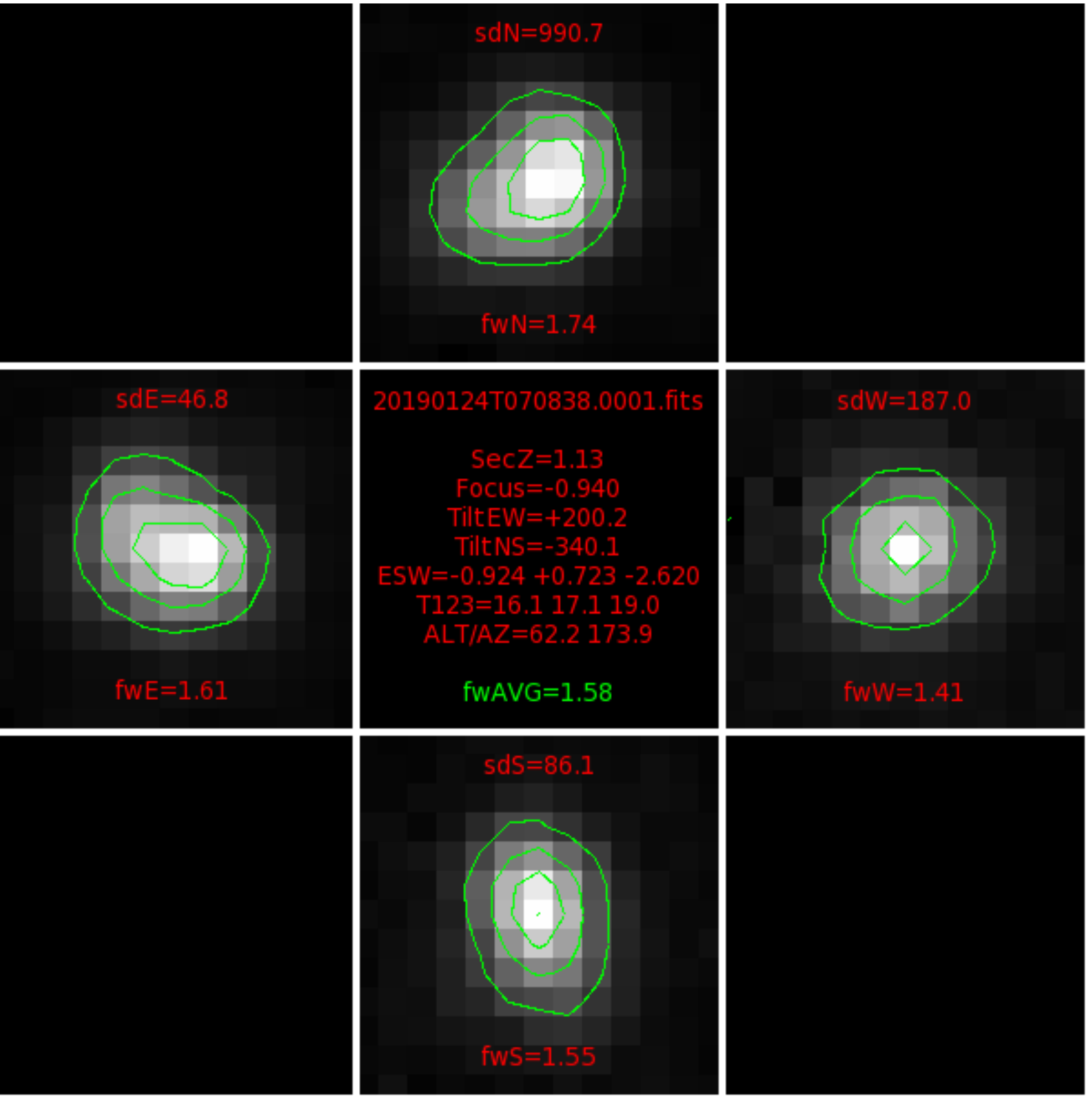
sdN=990.7
fwN=1.74
sdE=46.8
fwE=1.61
20190124T070838.0001.fits
SecZ=1.13
Focus=-0.940
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.924 +0.723 -2.620
T123=16.1 17.1 19.0
ALT/AZ=62.2 173.9
fwAVG=1.58
sdW=187.0
fwW=1.41
sdS=86.1
fwS=1.55
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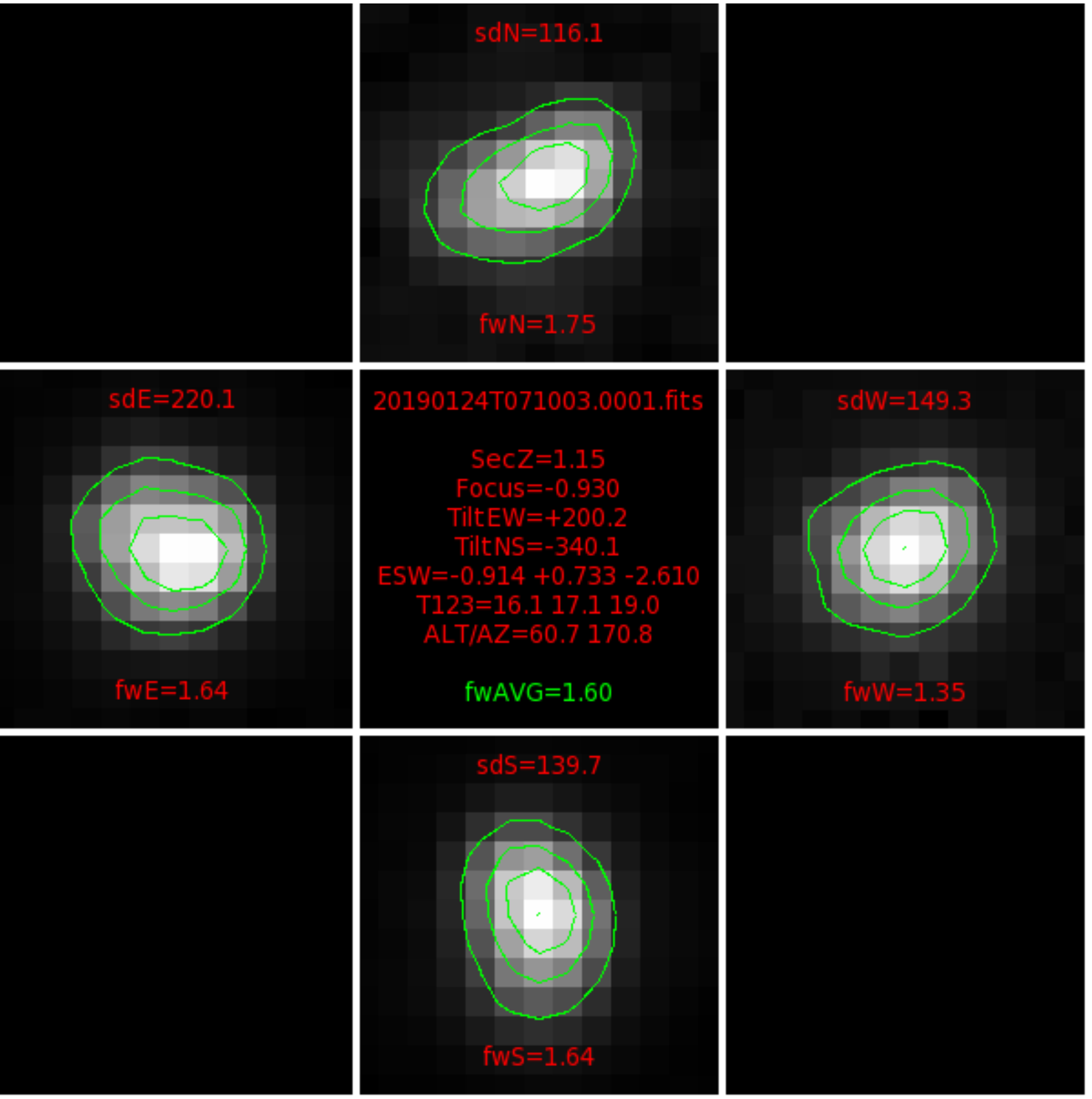
sdN=116.1
fwN=1.75
sdE=220.1
fwE=1.64
20190124T071003.0001.fits
SecZ=1.15
Focus=-0.930
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.914 +0.733 -2.610
T123=16.1 17.1 19.0
ALT/AZ=60.7 170.8
fwAVG=1.60
sdW=149.3
fwW=1.35
sdS=139.7
fwS=1.64
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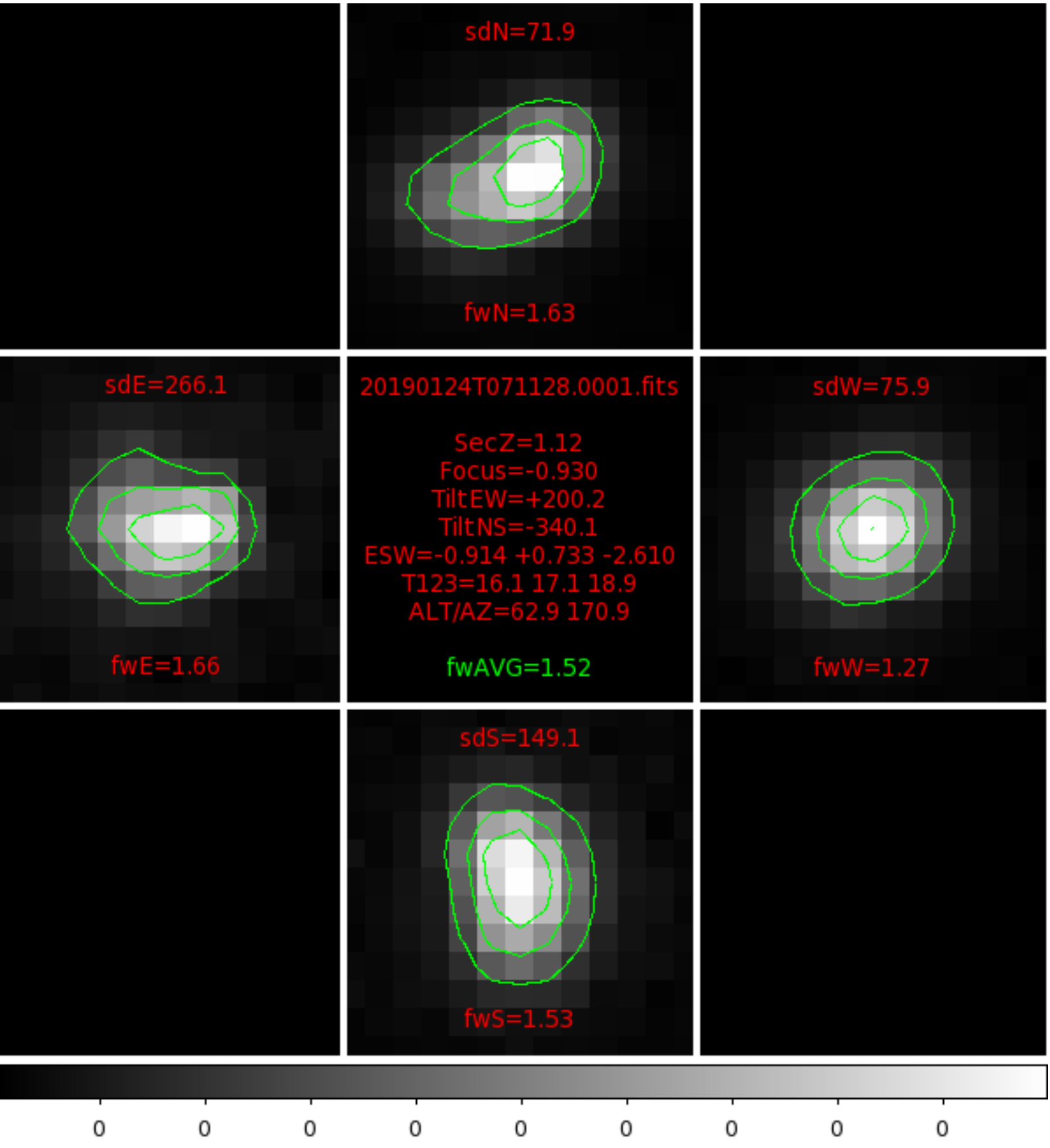
sdN=71.9
fwN=1.63
sdE=266.1
fwE=1.66
20190124T071128.0001.fits
SecZ=1.12
Focus=-0.930
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.914 +0.733 -2.610
T123=16.1 17.1 18.9
ALT/AZ=62.9 170.9
fwAVG=1.52
sdW=75.9
fwW=1.27
sdS=149.1
fwS=1.53
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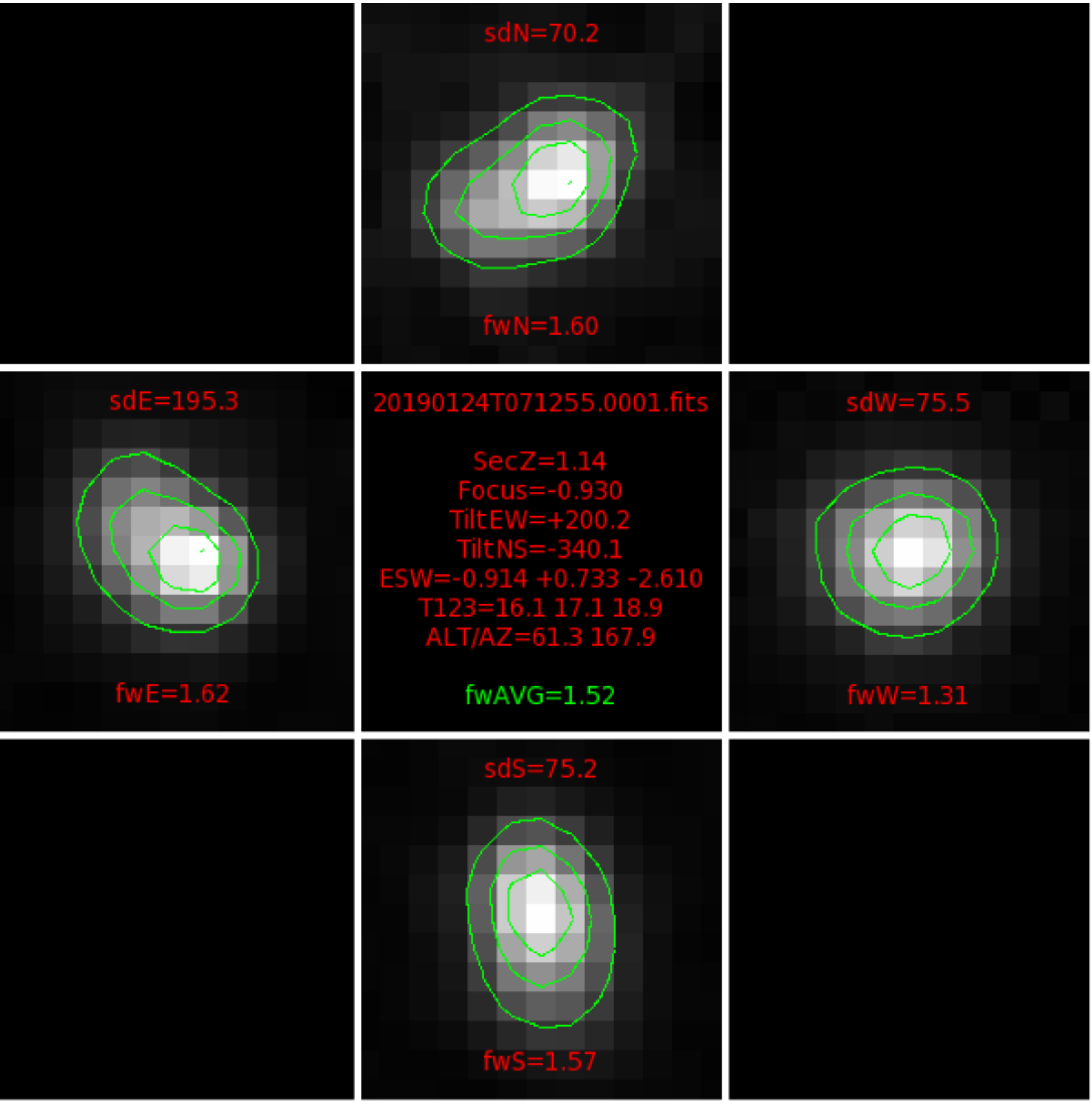
sdN=70.2
fwN=1.60
sdE=195.3
fwE=1.62
20190124T071255.0001.fits
SecZ=1.14
Focus=-0.930
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.914 +0.733 -2.610
T123=16.1 17.1 18.9
ALT/AZ=61.3 167.9
fwAVG=1.52
sdW=75.5
fwW=1.31
sdS=75.2
fwS=1.57
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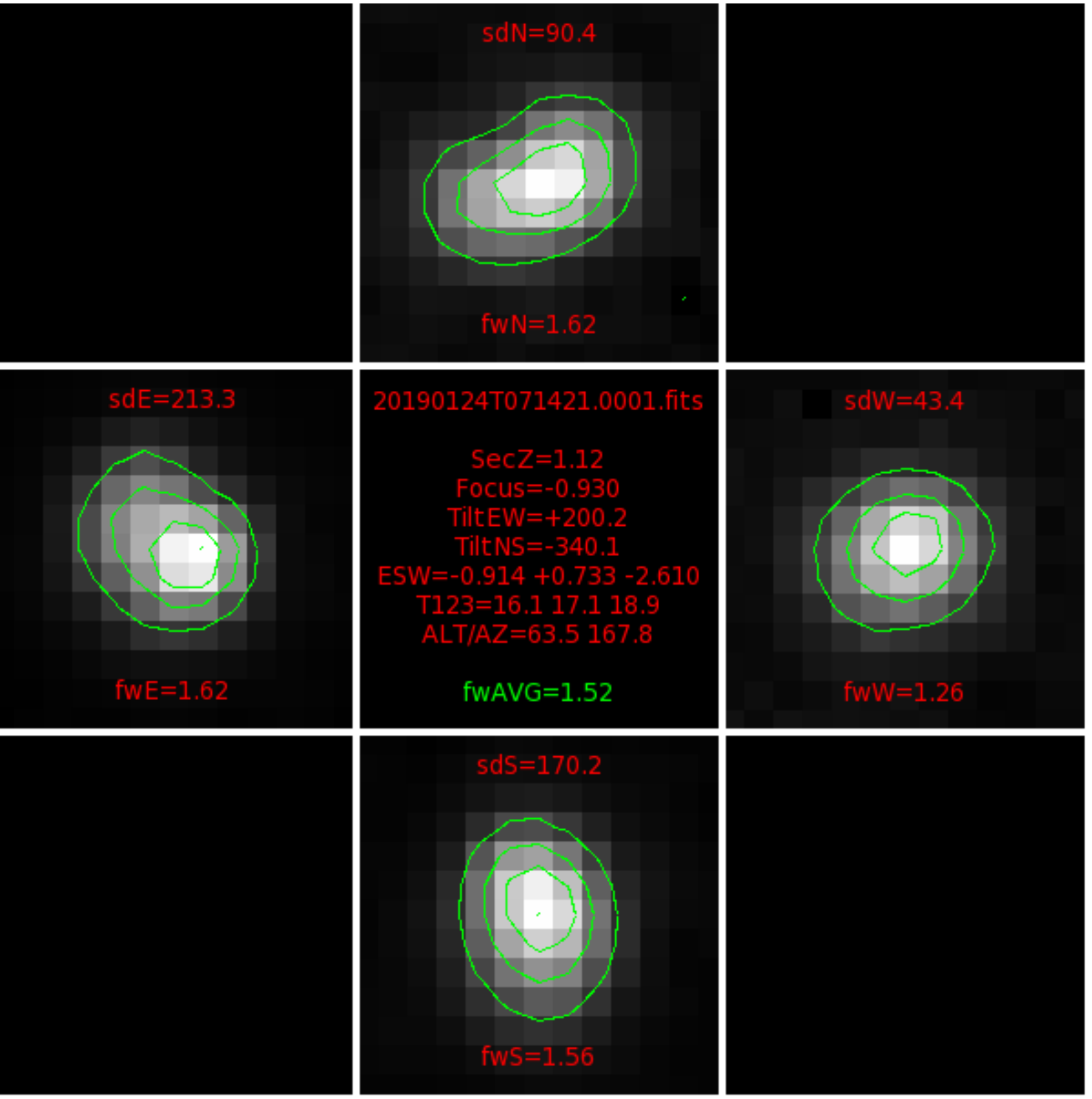
sdN=90.4
fwN=1.62
sdE=213.3
fwE=1.62
20190124T071421.0001.fits
SecZ=1.12
Focus=-0.930
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.914 +0.733 -2.610
T123=16.1 17.1 18.9
ALT/AZ=63.5 167.8
fwAVG=1.52
sdW=43.4
fwW=1.26
sdS=170.2
fwS=1.56
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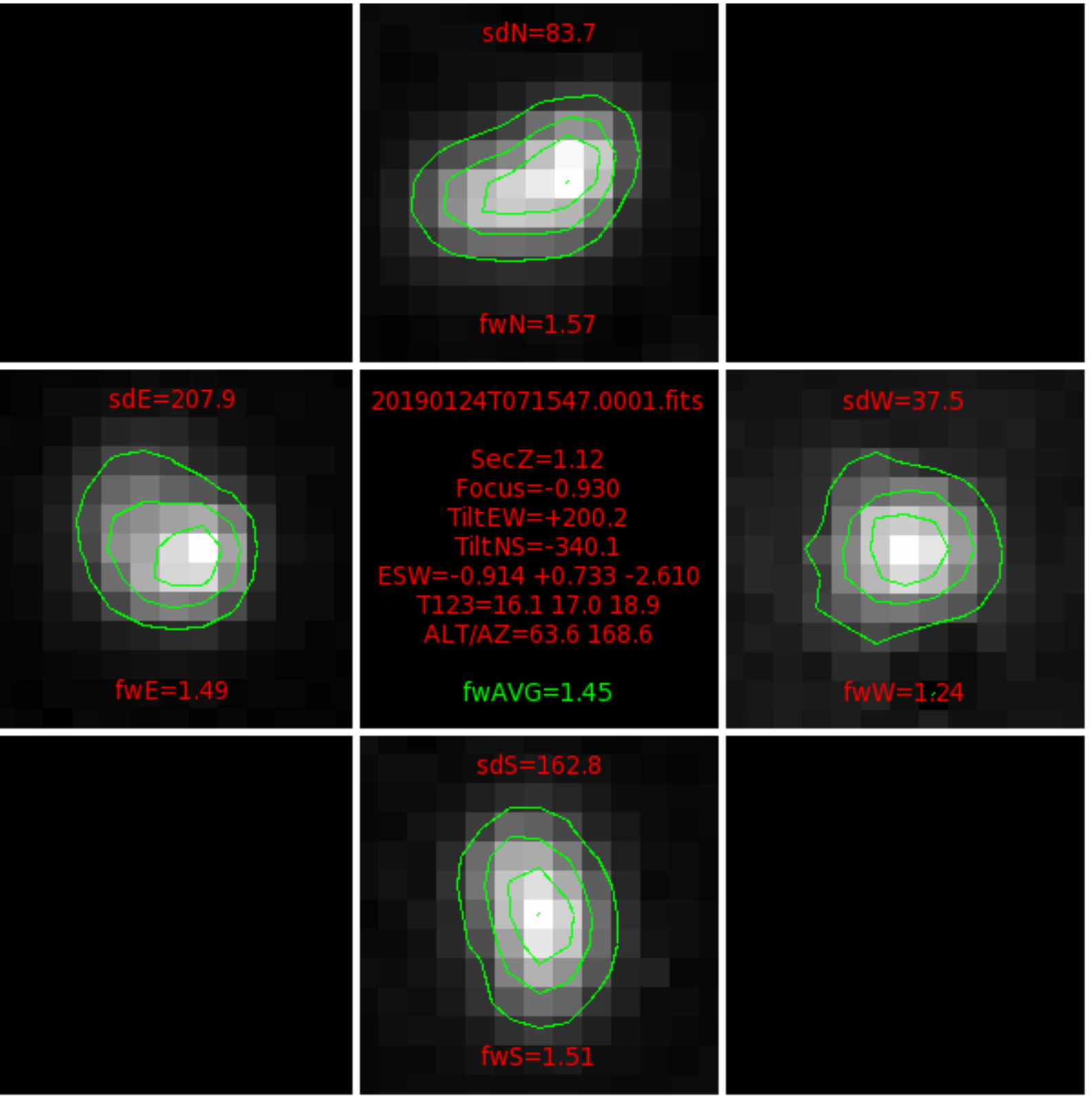
sdN=83.7
fwN=1.57
sdE=207.9
fwE=1.49
20190124T071547.0001.fits
SecZ=1.12
Focus=-0.930
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.914 +0.733 -2.610
T123=16.1 17.0 18.9
ALT/AZ=63.6 168.6
fwAVG=1.45
sdW=37.5
fwW=1.24
sdS=162.8
fwS=1.51
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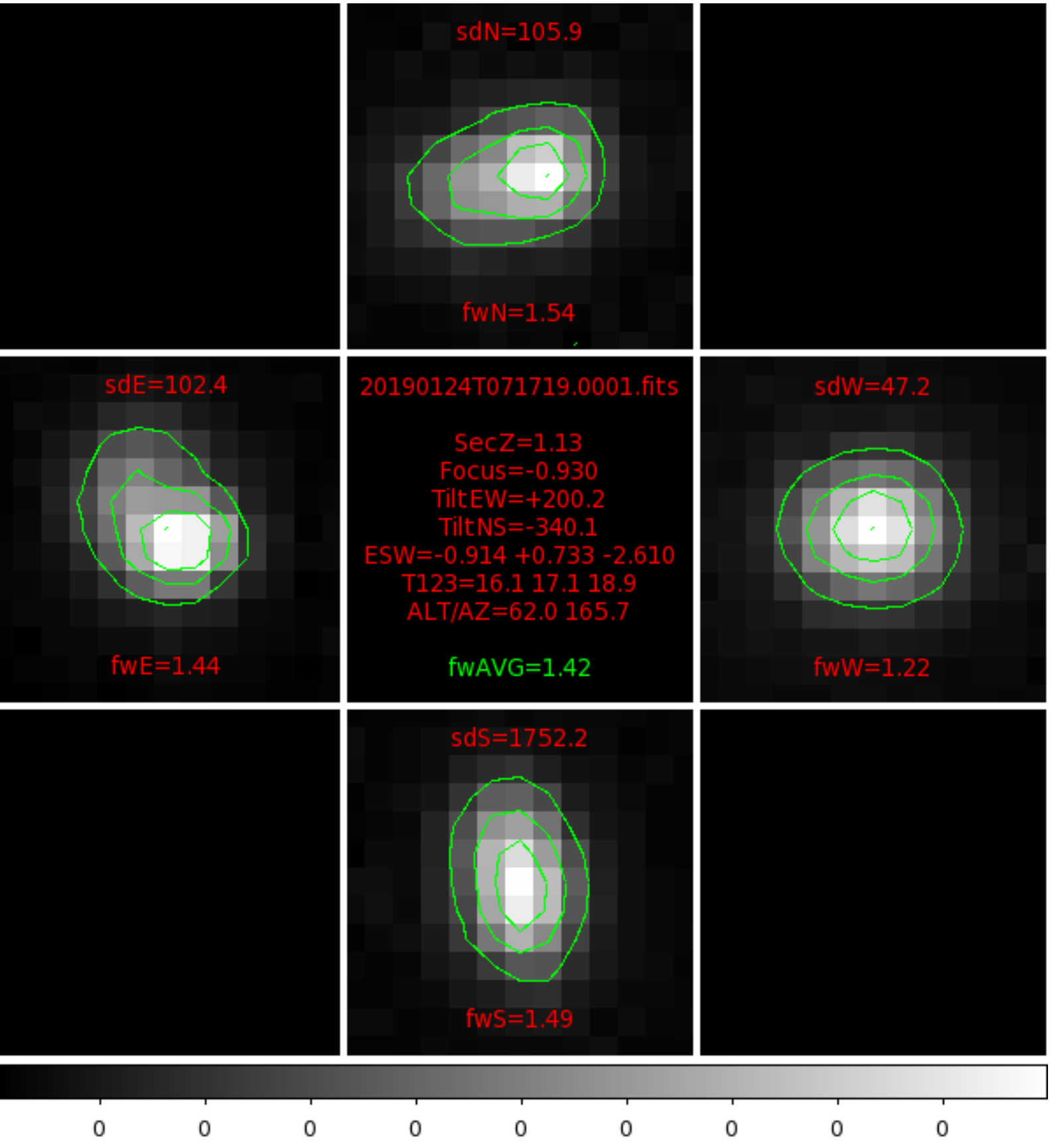
sdN=105.9
fwN=1.54
sdE=102.4
fwE=1.44
20190124T071719.0001.fits
SecZ=1.13
Focus=-0.930
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.914 +0.733 -2.610
T123=16.1 17.1 18.9
ALT/AZ=62.0 165.7
fwAVG=1.42
sdW=47.2
fwW=1.22
sdS=1752.2
fwS=1.49
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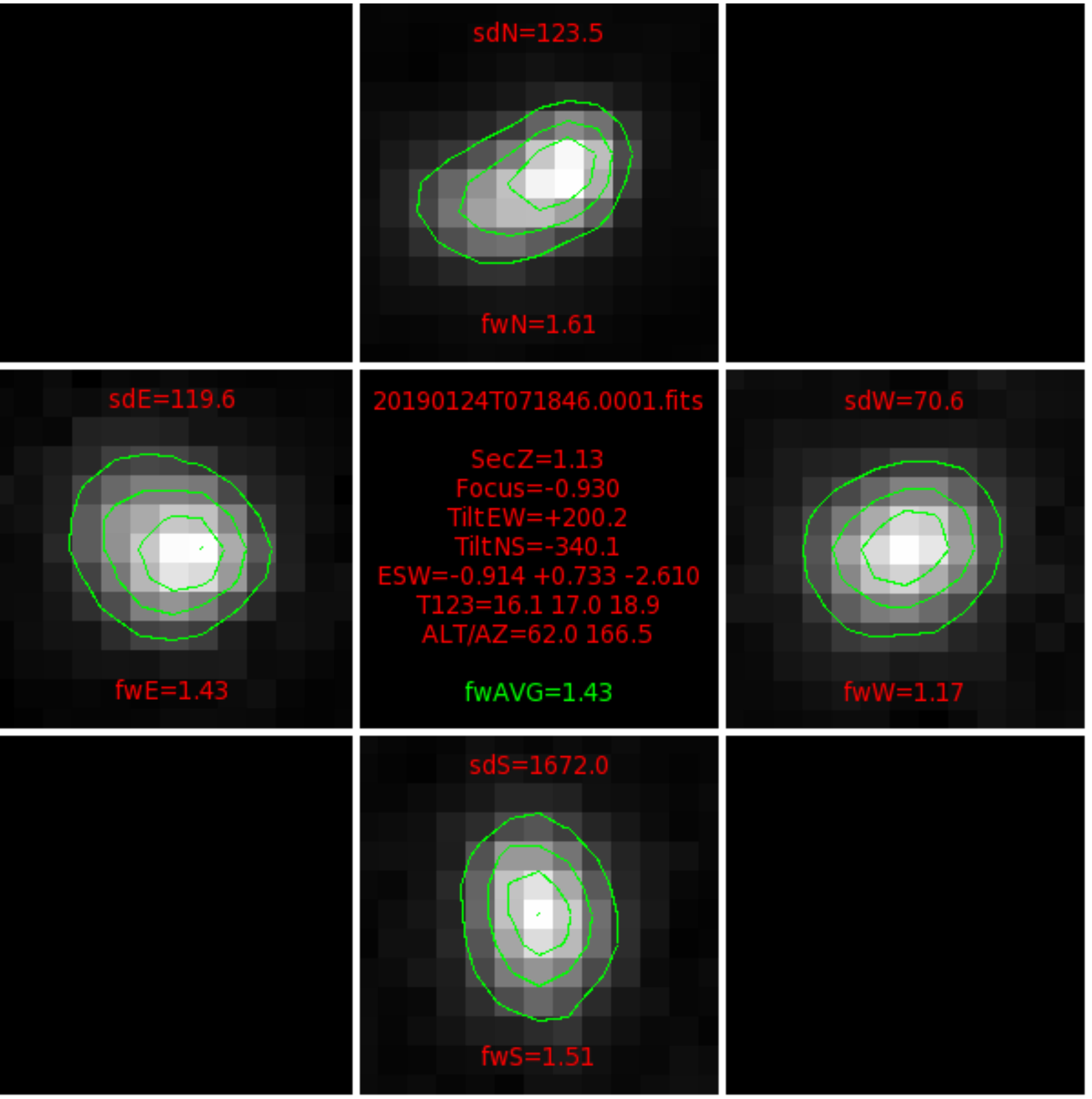
sdN=123.5
fwN=1.61
sdE=119.6
fwE=1.43
20190124T071846.0001.fits
SecZ=1.13
Focus=-0.930
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.914 +0.733 -2.610
T123=16.1 17.0 18.9
ALT/AZ=62.0 166.5
fwAVG=1.43
sdW=70.6
fwW=1.17
sdS=1672.0
fwS=1.51
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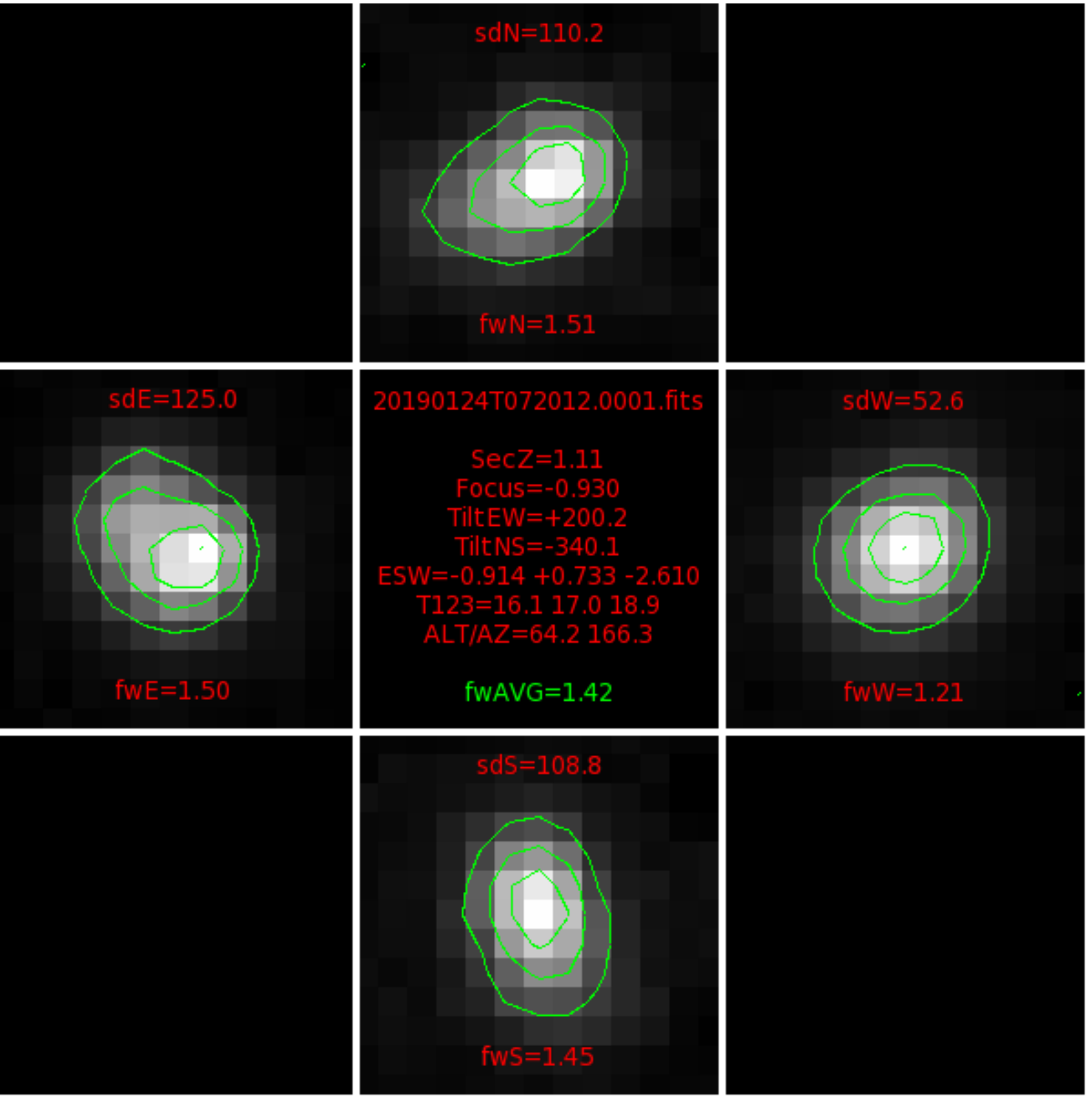
sdN=110.2
fwN=1.51
sdE=125.0
fwE=1.50
20190124T072012.0001.fits
SecZ=1.11
Focus=-0.930
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.914 +0.733 -2.610
T123=16.1 17.0 18.9
ALT/AZ=64.2 166.3
fwAVG=1.42
sdW=52.6
fwW=1.21
sdS=108.8
fwS=1.45
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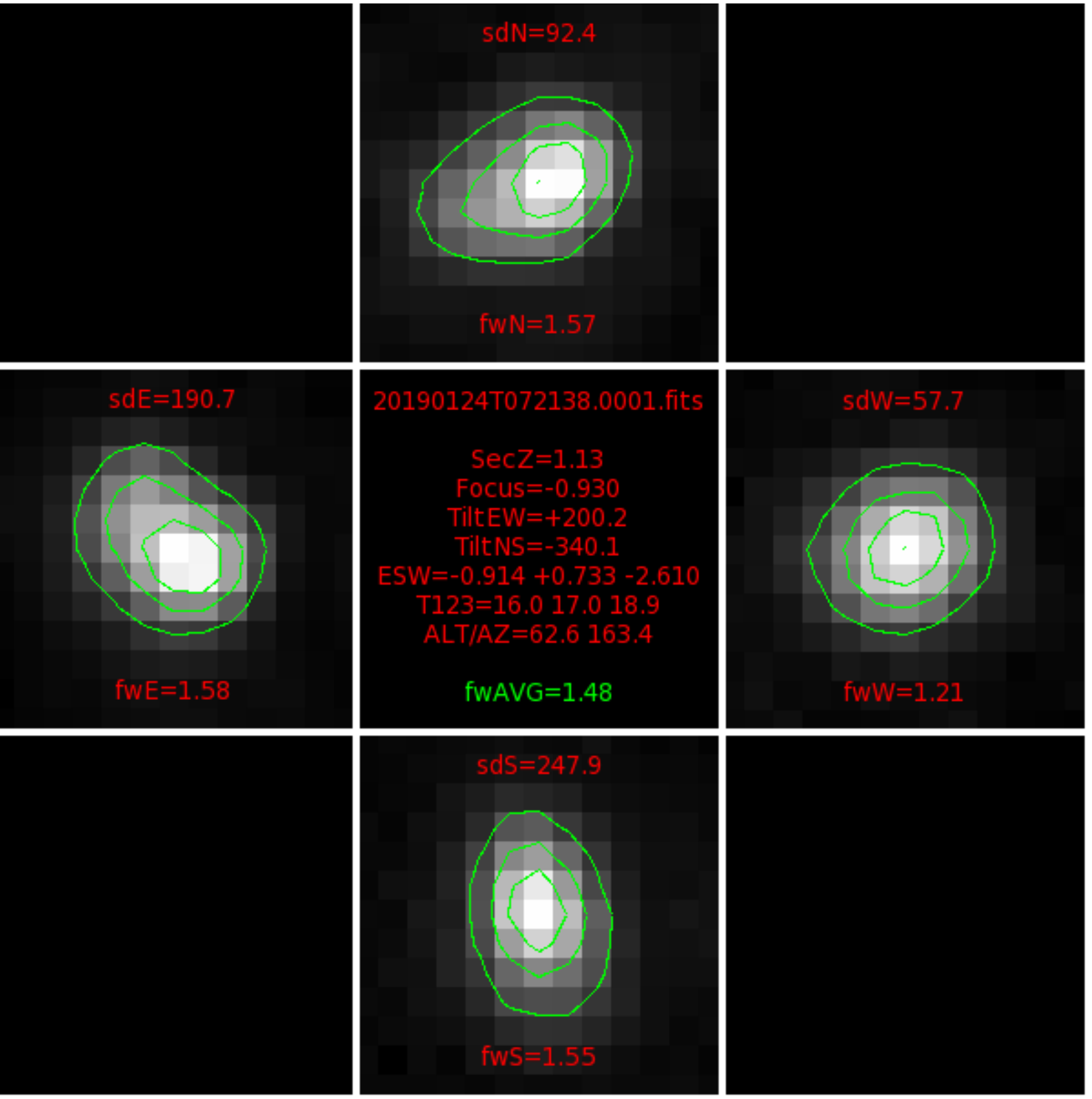
sdN=92.4
fwN=1.57
sdE=190.7
fwE=1.58
20190124T072138.0001.fits
SecZ=1.13
Focus=-0.930
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.914 +0.733 -2.610
T123=16.0 17.0 18.9
ALT/AZ=62.6 163.4
fwAVG=1.48
sdW=57.7
fwW=1.21
sdS=247.9
fwS=1.55
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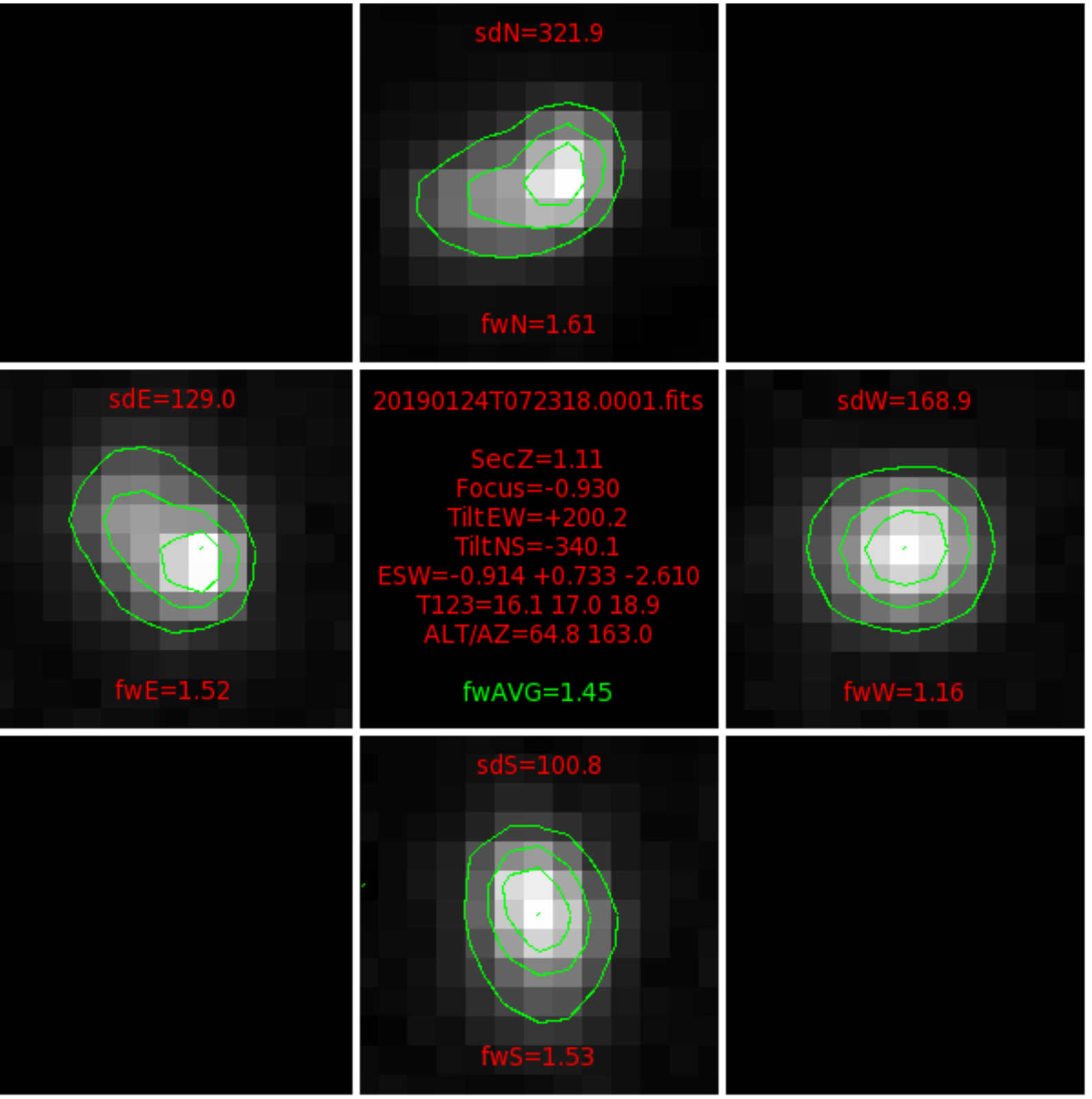
sdN=321.9
fwN=1.61
sdE=129.0
fwE=1.52
20190124T072318.0001.fits
SecZ=1.11
Focus=-0.930
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.914 +0.733 -2.610
T123=16.1 17.0 18.9
ALT/AZ=64.8 163.0
fwAVG=1.45
sdW=168.9
fwW=1.16
sdS=100.8
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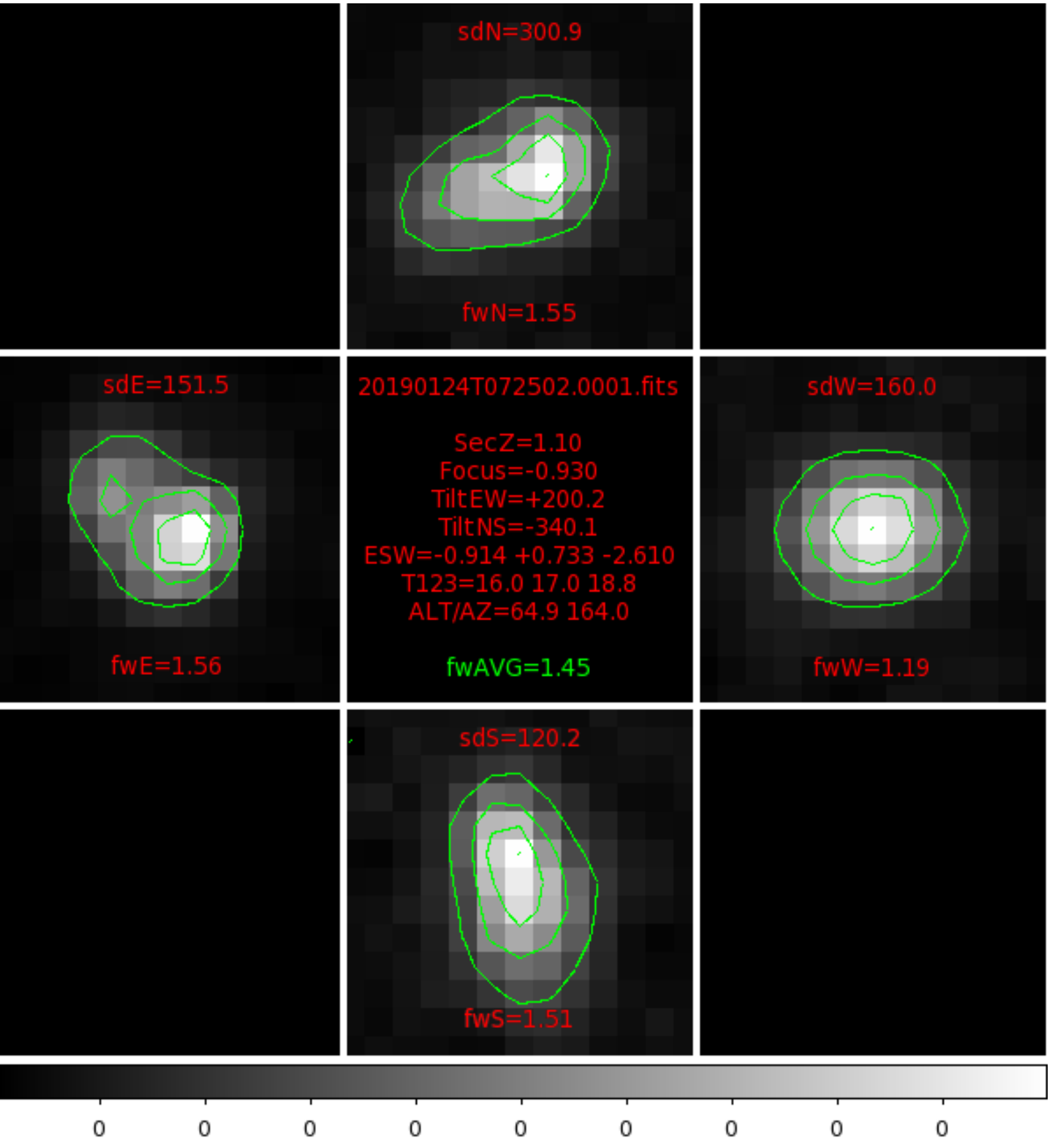
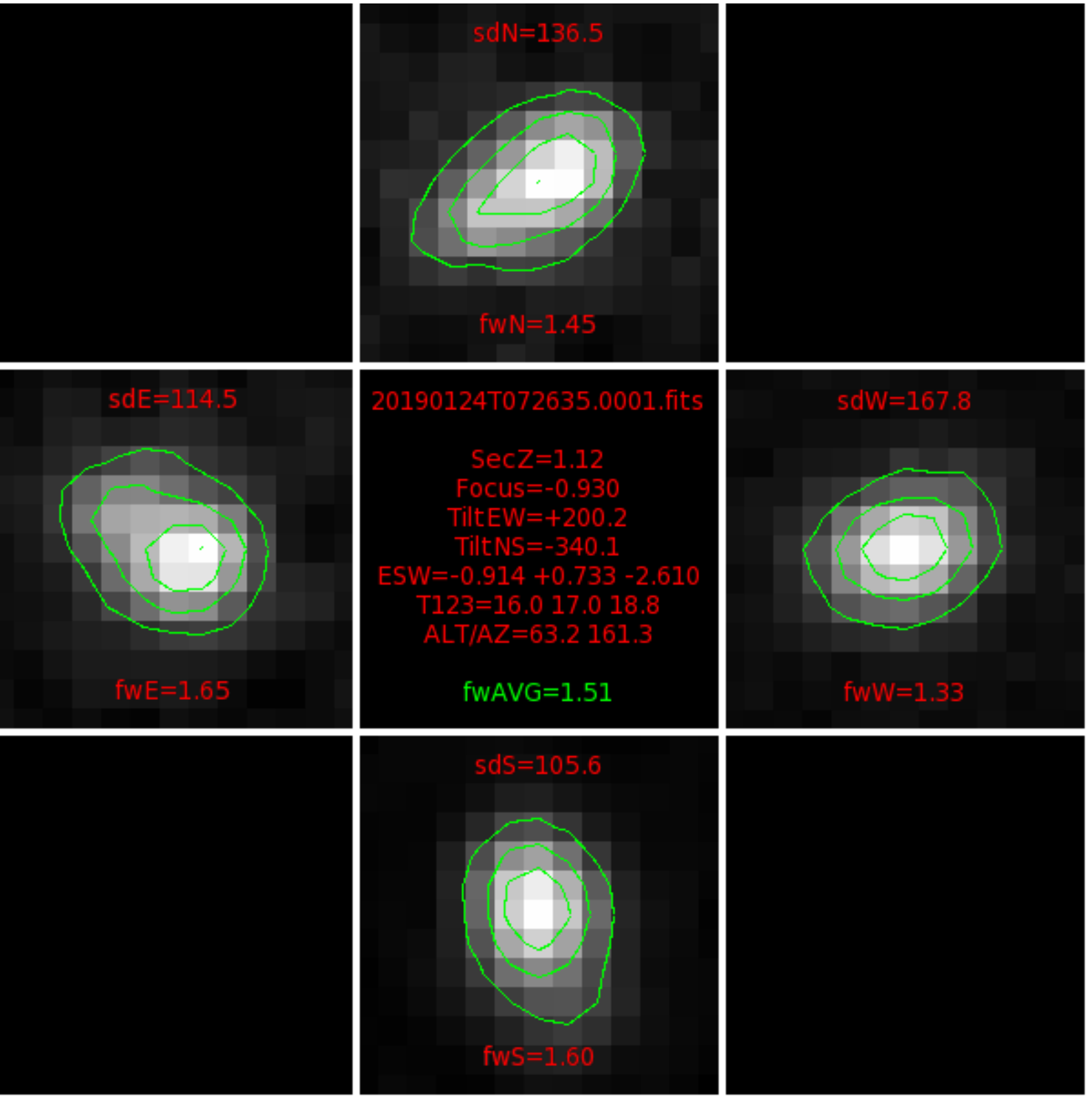

sdN=300.9
fwN=1.55
sdE=151.5
fwE=1.56
20190124T072502.0001.fits
SecZ=1.10
Focus=-0.930
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.914 +0.733 -2.610
T123=16.0 17.0 18.8
ALT/AZ=64.9 164.0
fwAVG=1.45
sdW=160.0
fwW=1.19
sdS=120.2
fwS=1.51
0 0 0 0 0 0 0 0 0


sdN=136.5
fwN=1.45
sdE=114.5
fwE=1.65
20190124T072635.0001.fits
SecZ=1.12
Focus=-0.930
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.914 +0.733 -2.610
T123=16.0 17.0 18.8
ALT/AZ=63.2 161.3
fwAVG=1.51
sdW=167.8
fwW=1.33
sdS=105.6
fwS=1.60
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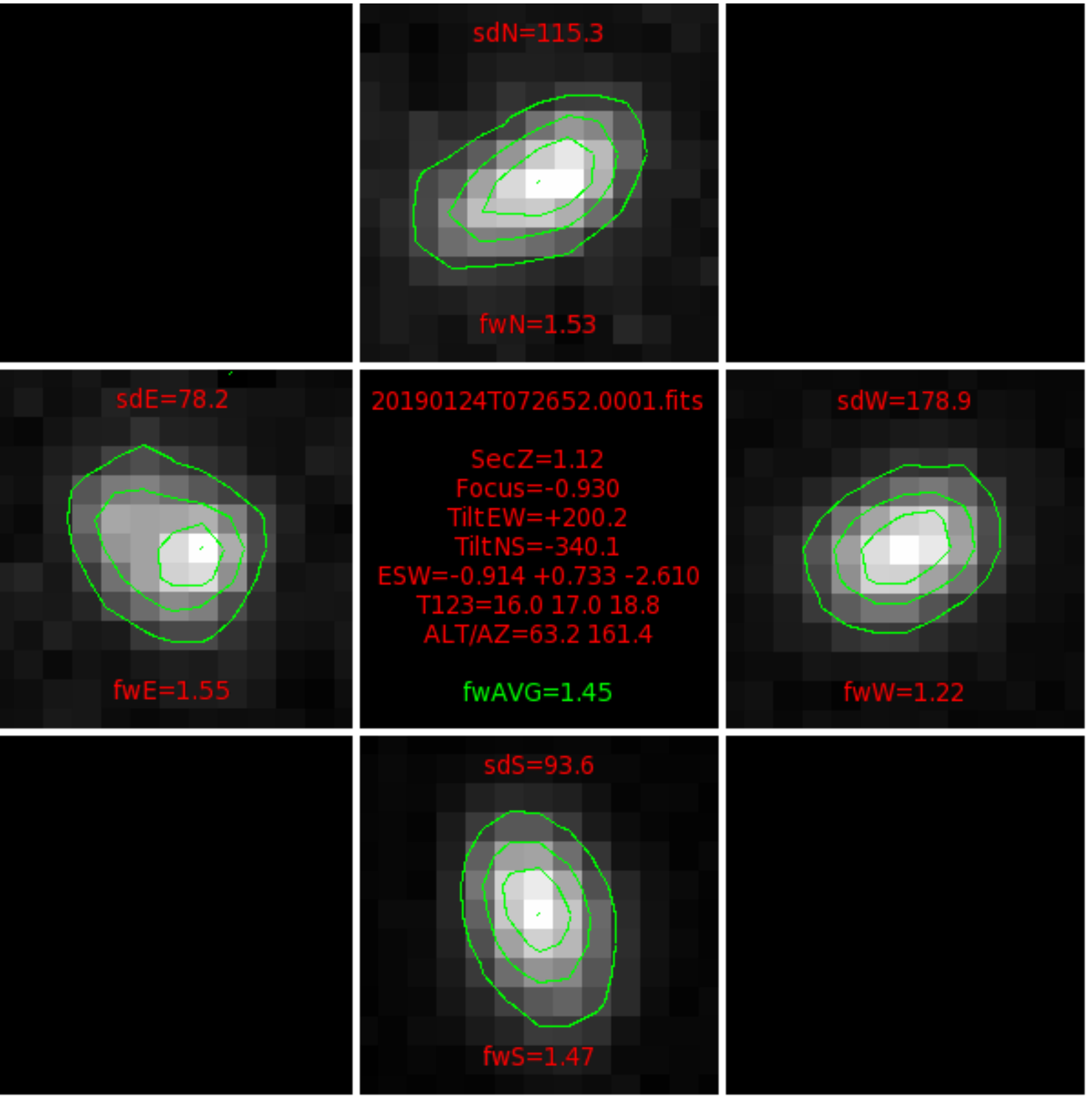
sdN=115.3
fwN=1.53
sdE=78.2
fwE=1.55
20190124T072652.0001.fits
SecZ=1.12
Focus=-0.930
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.914 +0.733 -2.610
T123=16.0 17.0 18.8
ALT/AZ=63.2 161.4
fwAVG=1.45
sdW=178.9
fwW=1.22
sdS=93.6
fwS=1.47
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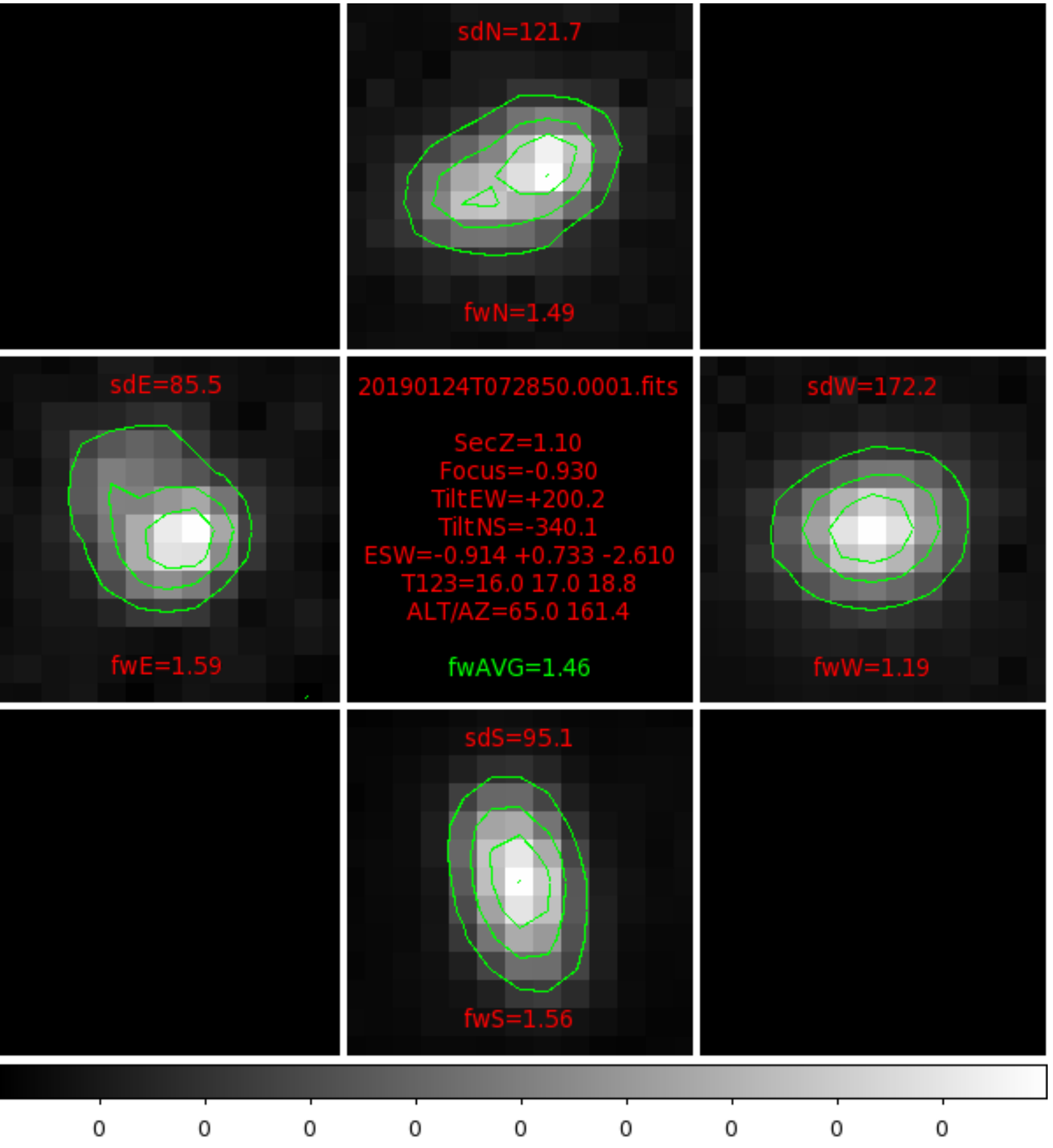
sdN=121.7
fwN=1.49
sdE=85.5
fwE=1.59
20190124T072850.0001.fits
SecZ=1.10
Focus=-0.930
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.914 +0.733 -2.610
T123=16.0 17.0 18.8
ALT/AZ=65.0 161.4
fwAVG=1.46
sdW=172.2
fwW=1.19
sdS=95.1
fwS=1.56
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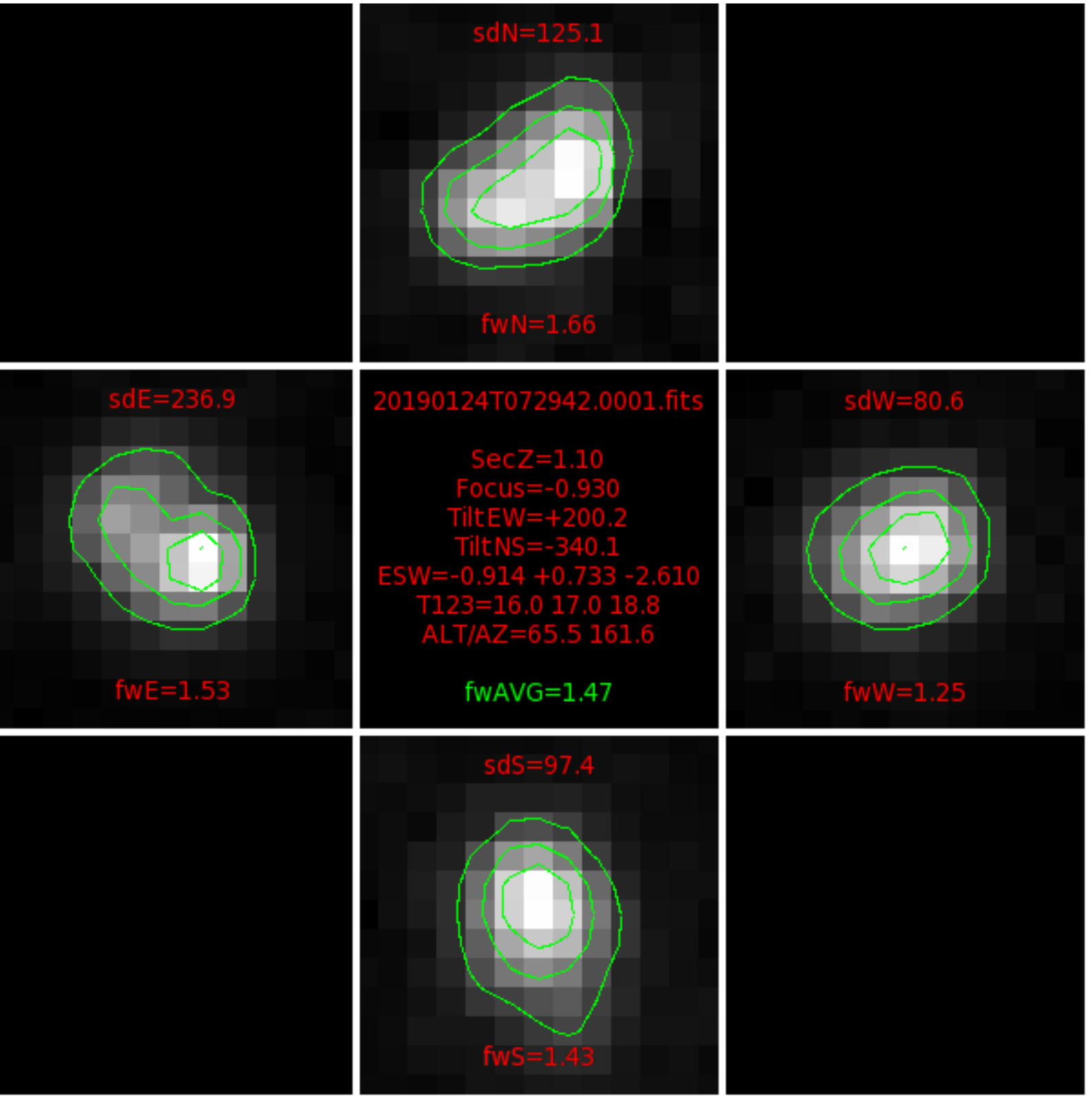
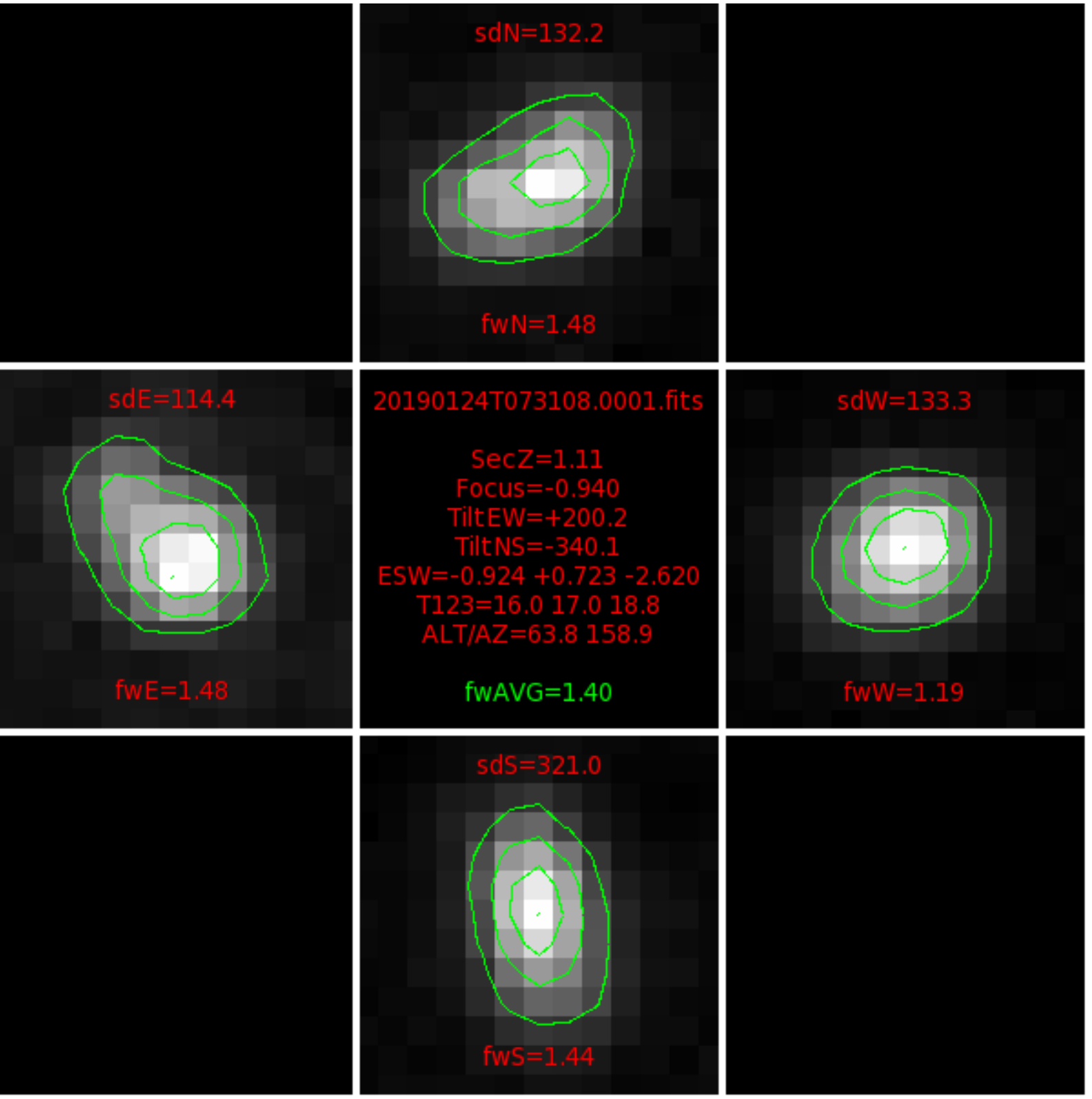

sdN=125.1
fwN=1.66
sdE=236.9
fwE=1.53
20190124T072942.0001.fits
SecZ=1.10
Focus=-0.930
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.914 +0.733 -2.610
T123=16.0 17.0 18.8
ALT/AZ=65.5 161.6
fwAVG=1.47
sdW=80.6
fwW=1.25
sdS=97.4
fwS=1.43
0 0 0 0 0 0 0 0 0


sdN=132.2
fwN=1.48
sdE=114.4
fwE=1.48
20190124T073108.0001.fits
SecZ=1.11
Focus=-0.940
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.924 +0.723 -2.620
T123=16.0 17.0 18.8
ALT/AZ=63.8 158.9
fwAVG=1.40
sdW=133.3
fwW=1.19
sdS=321.0
fwS=1.44
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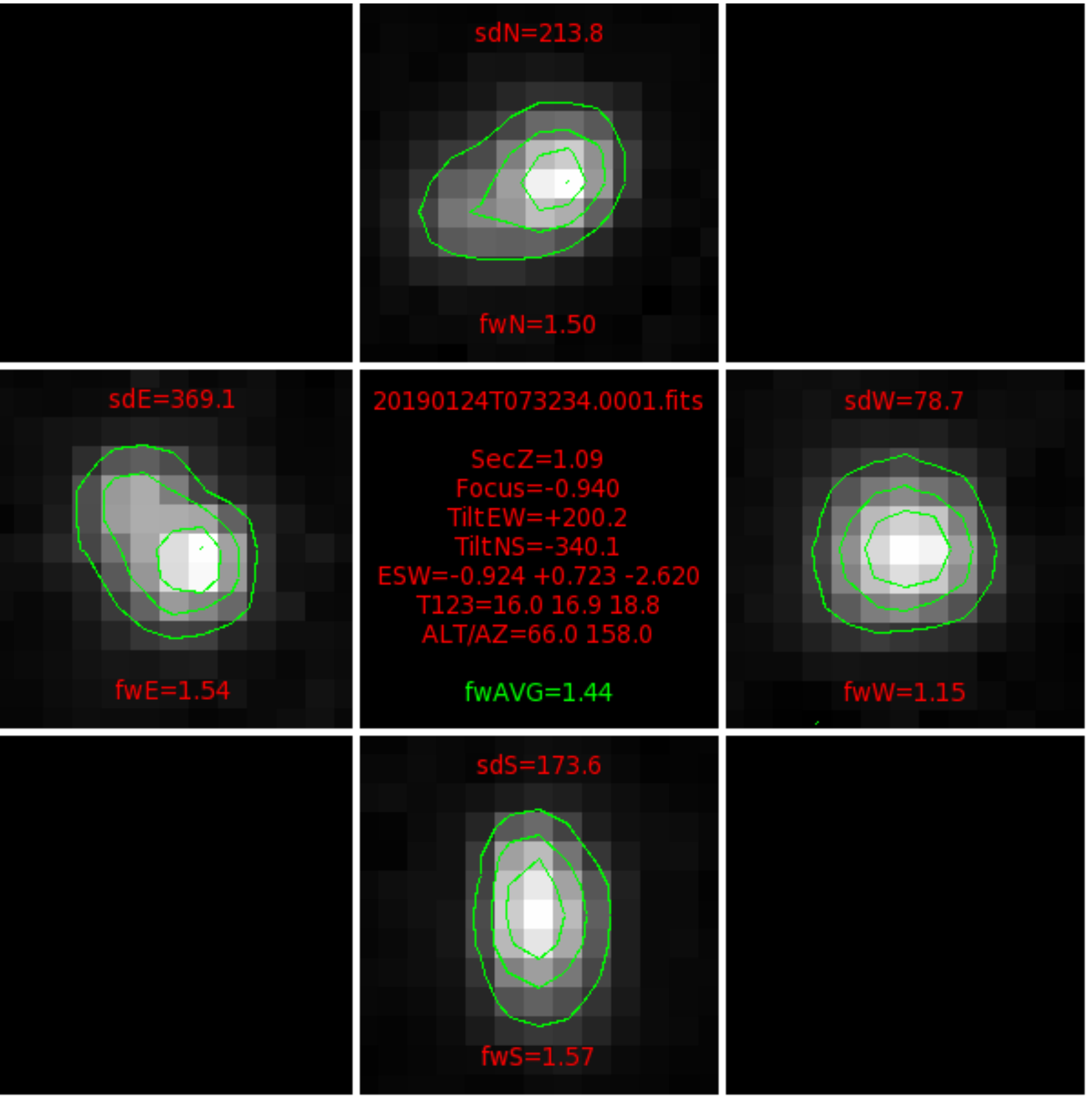
sdN=213.8
fwN=1.50
sdE=369.1
fwE=1.54
20190124T073234.0001.fits
SecZ=1.09
Focus=-0.940
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.924 +0.723 -2.620
T123=16.0 16.9 18.8
ALT/AZ=66.0 158.0
fwAVG=1.44
sdW=78.7
fwW=1.15
sdS=173.6
fwS=1.57
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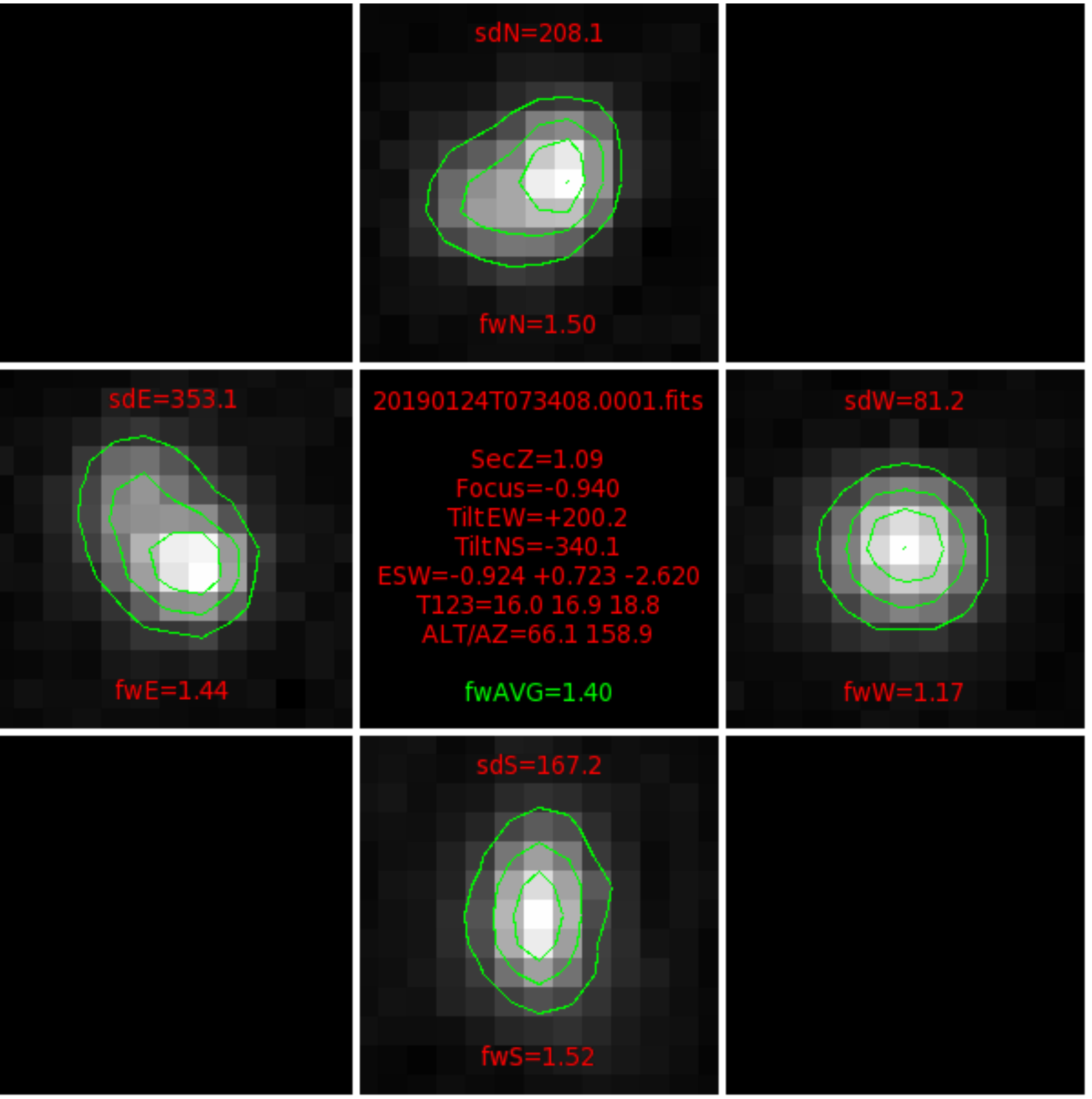
sdN=208.1
fwN=1.50
sdE=353.1
fwE=1.44
20190124T073408.0001.fits
SecZ=1.09
Focus=-0.940
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.924 +0.723 -2.620
T123=16.0 16.9 18.8
ALT/AZ=66.1 158.9
fwAVG=1.40
sdW=81.2
fwW=1.17
sdS=167.2
fwS=1.52
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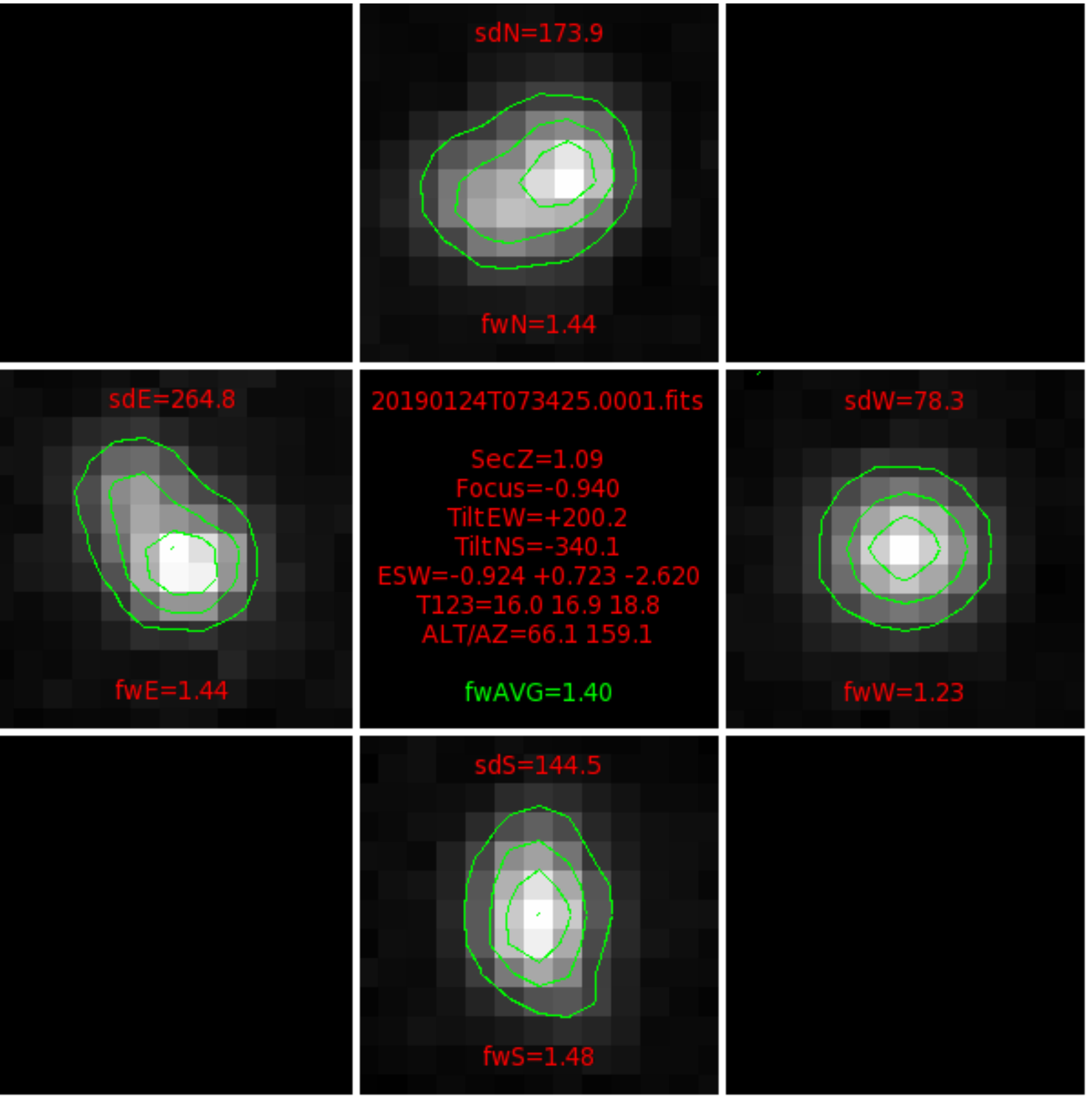
sdN=173.9
fwN=1.44
sdE=264.8
fwE=1.44
20190124T073425.0001.fits
SecZ=1.09
Focus=-0.940
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.924 +0.723 -2.620
T123=16.0 16.9 18.8
ALT/AZ=66.1 159.1
fwAVG=1.40
sdW=78.3
fwW=1.23
sdS=144.5
fwS=1.48
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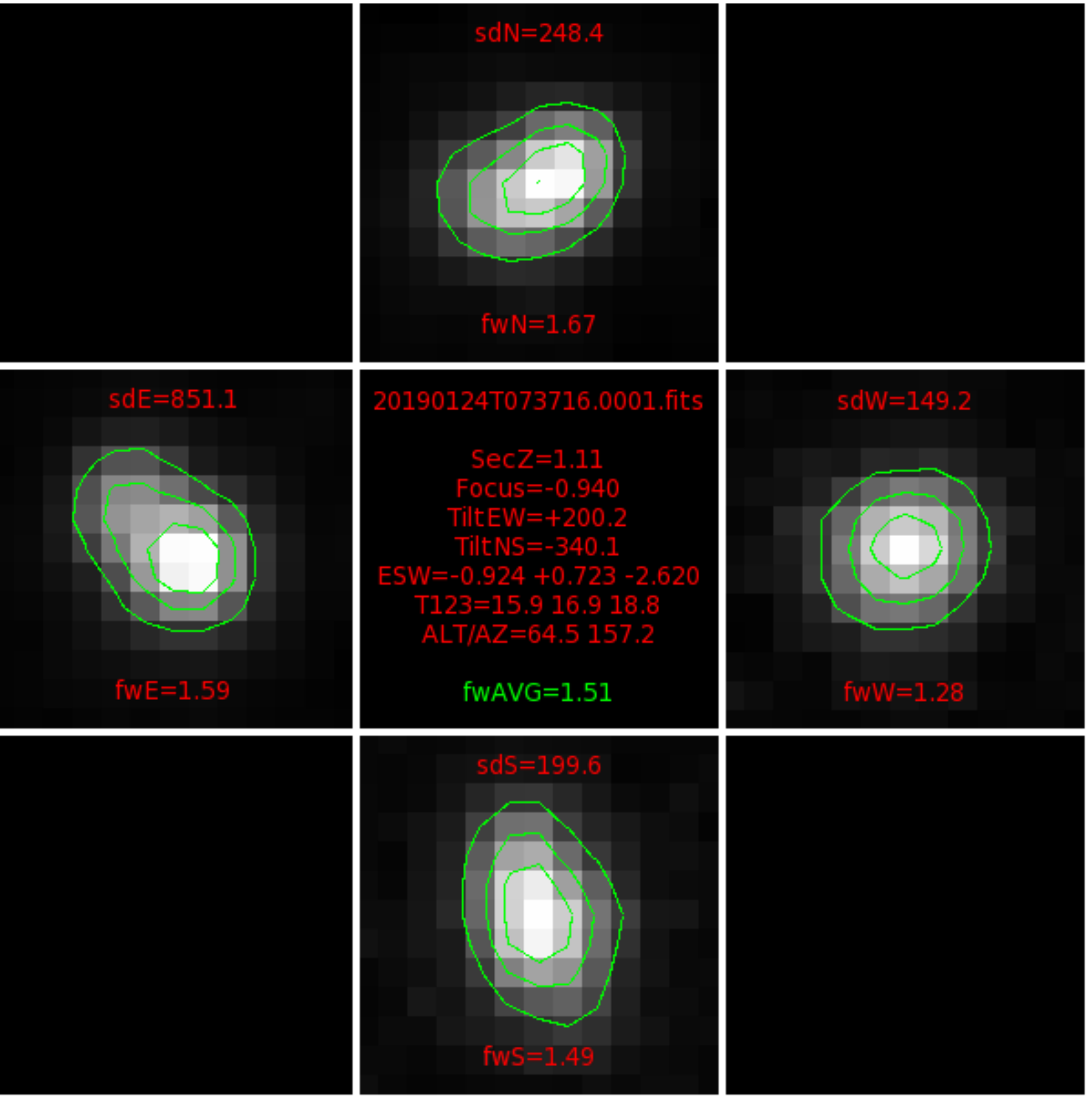
sdN=248.4
fwN=1.67
sdE=851.1
fwE=1.59
20190124T073716.0001.fits
SecZ=1.11
Focus=-0.940
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.924 +0.723 -2.620
T123=15.9 16.9 18.8
ALT/AZ=64.5 157.2
fwAVG=1.51
sdW=149.2
fwW=1.28
sdS=199.6
fwS=1.49
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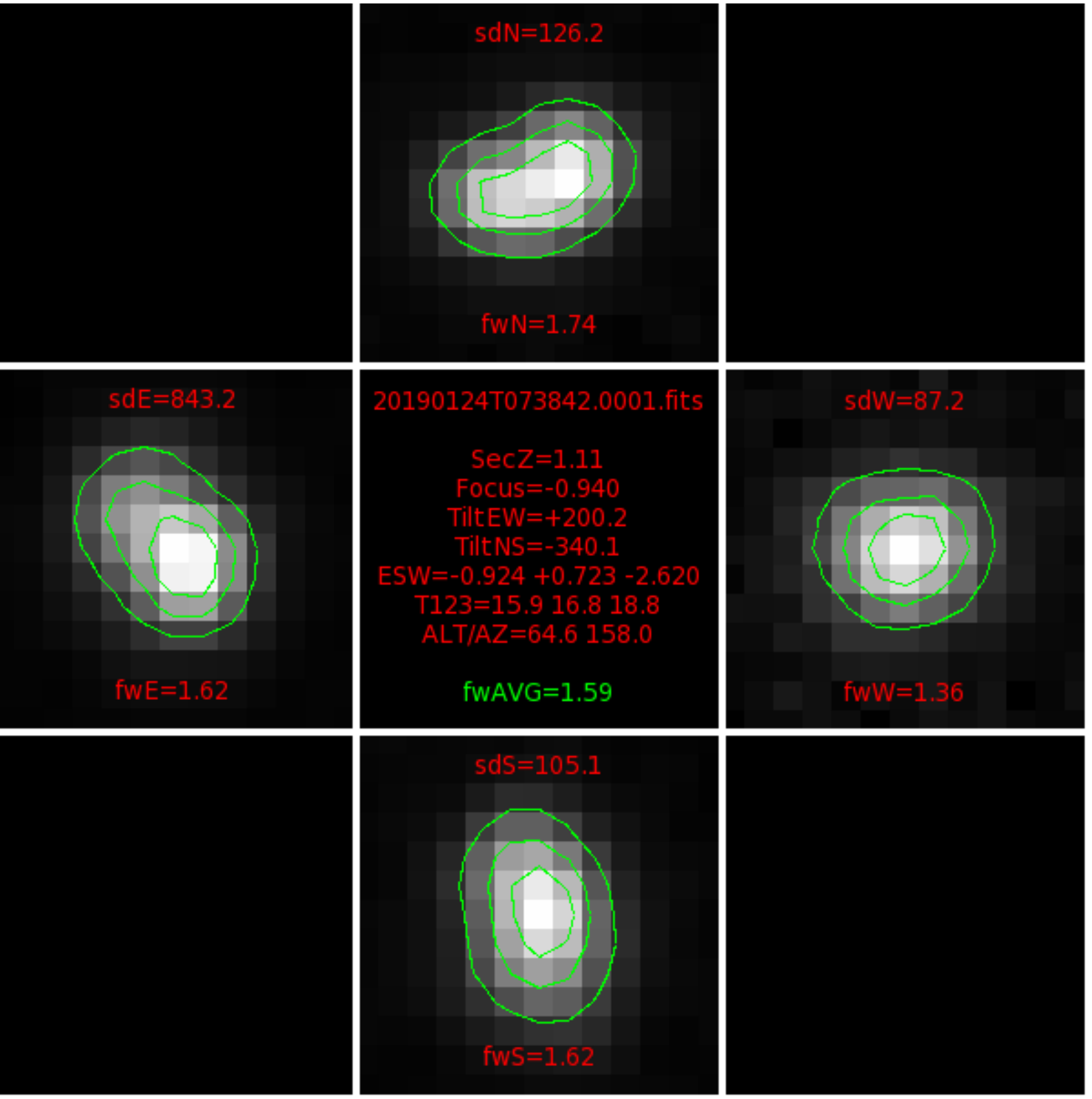
sdN=126.2
fwN=1.74
sdE=843.2
fwE=1.62
20190124T073842.0001.fits
SecZ=1.11
Focus=-0.940
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.924 +0.723 -2.620
T123=15.9 16.8 18.8
ALT/AZ=64.6 158.0
fwAVG=1.59
sdW=87.2
fwW=1.36
sdS=105.1
fwS=1.62
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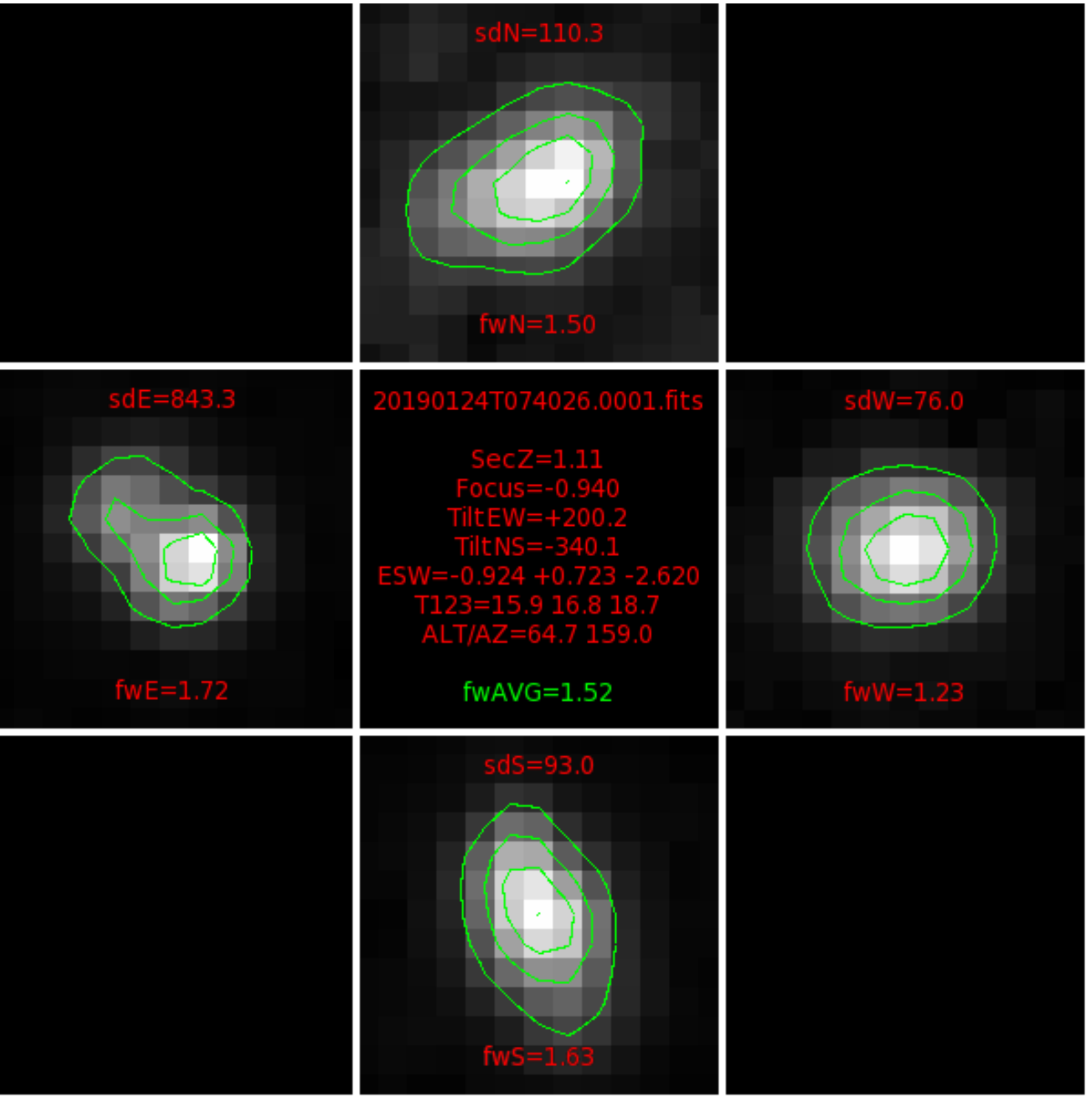
sdN=110.3
fwN=1.50
sdE=843.3
fwE=1.72
20190124T074026.0001.fits
SecZ=1.11
Focus=-0.940
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.924 +0.723 -2.620
T123=15.9 16.8 18.7
ALT/AZ=64.7 159.0
fwAVG=1.52
sdW=76.0
fwW=1.23
sdS=93.0
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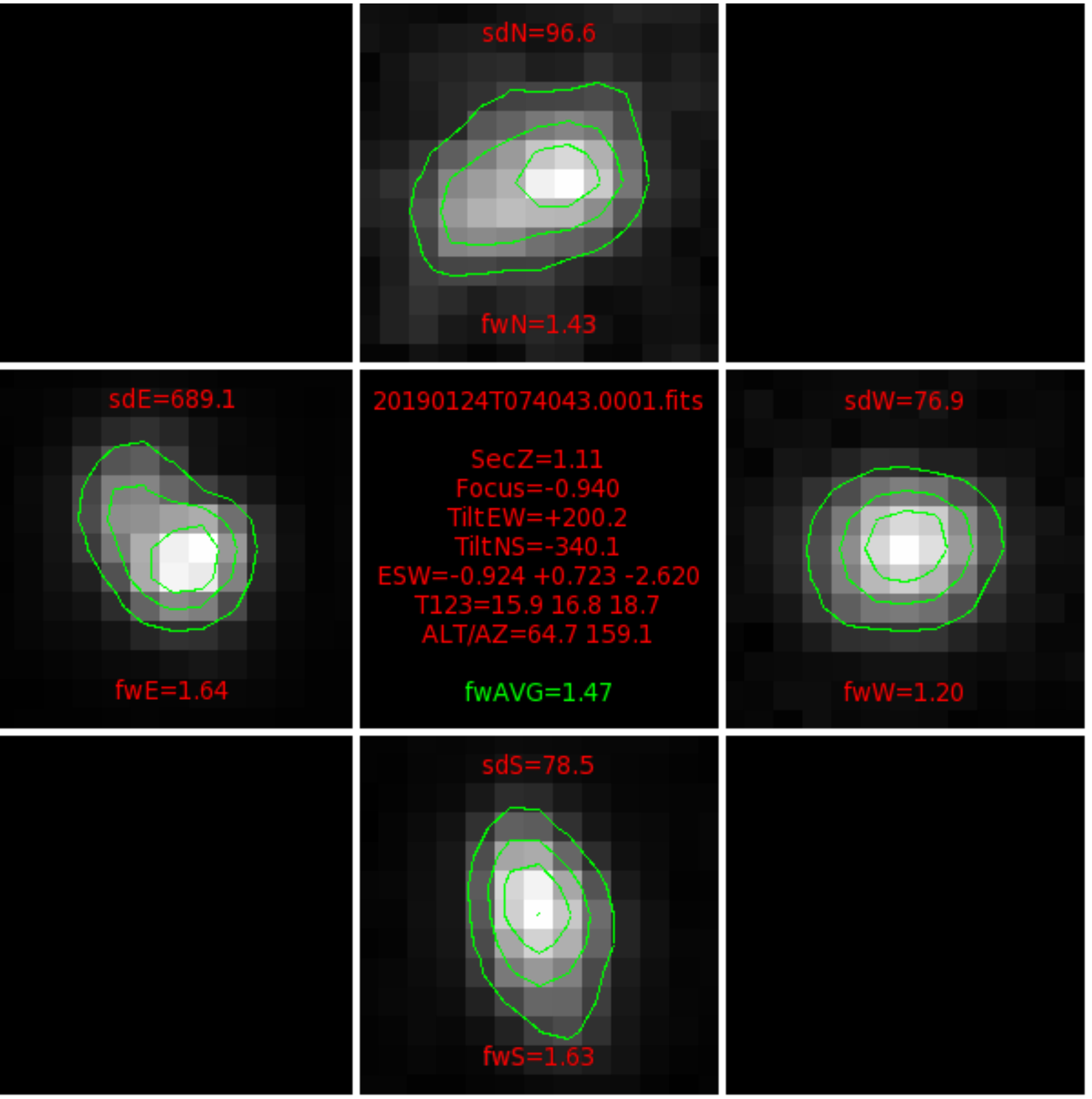
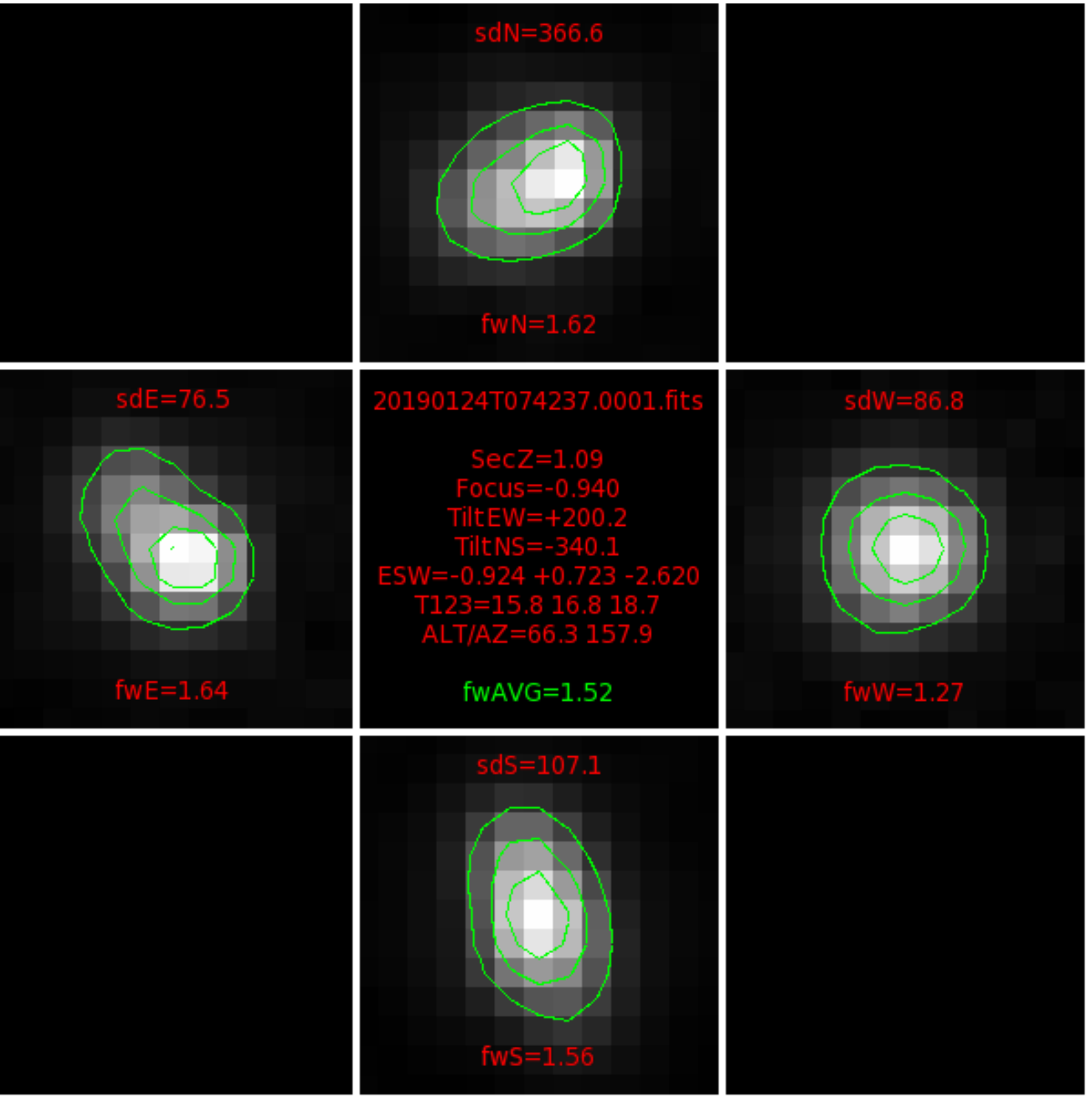
0 0 0 0 0 0 0 0 0


sdN=96.6
fwN=1.43
sdE=689.1
fwE=1.64
20190124T074043.0001.fits
SecZ=1.11
Focus=-0.940
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.924 +0.723 -2.620
T123=15.9 16.8 18.7
ALT/AZ=64.7 159.1
fwAVG=1.47
sdW=76.9
fwW=1.20
sdS=78.5
fwS=1.63
0 0 0 0 0 0 0 0 0


sdN=366.6
fwN=1.62
sdE=76.5
fwE=1.64
20190124T074237.0001.fits
SecZ=1.09
Focus=-0.940
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.924 +0.723 -2.620
T123=15.8 16.8 18.7
ALT/AZ=66.3 157.9
fwAVG=1.52
sdW=86.8
fwW=1.27
sdS=107.1
fwS=1.56
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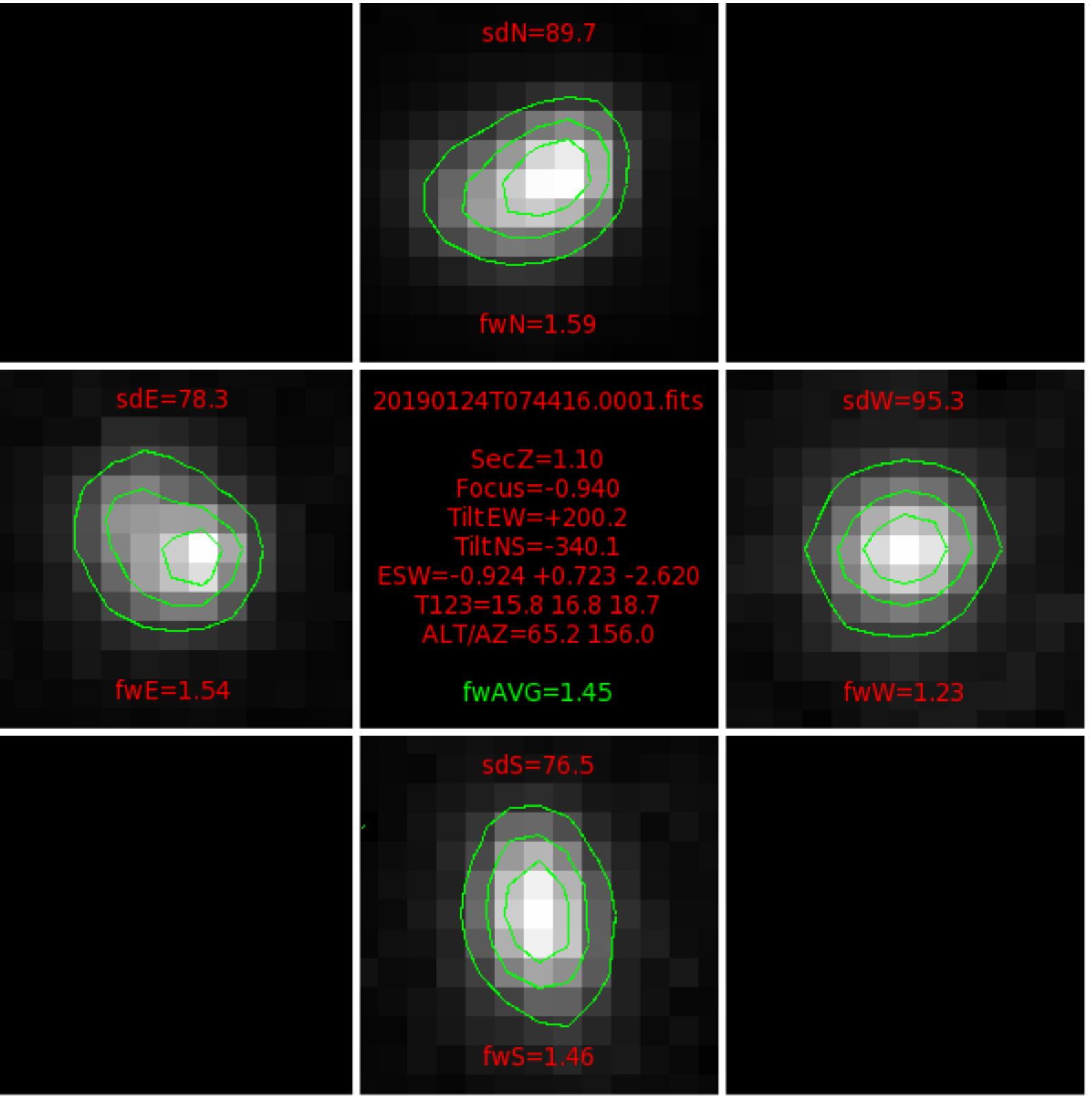
sdN=89.7
fwN=1.59
sdE=78.3
fwE=1.54
20190124T074416.0001.fits
SecZ=1.10
Focus=-0.940
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.924 +0.723 -2.620
T123=15.8 16.8 18.7
ALT/AZ=65.2 156.0
fwAVG=1.45
sdW=95.3
fwW=1.23
sdS=76.5
fwS=1.46
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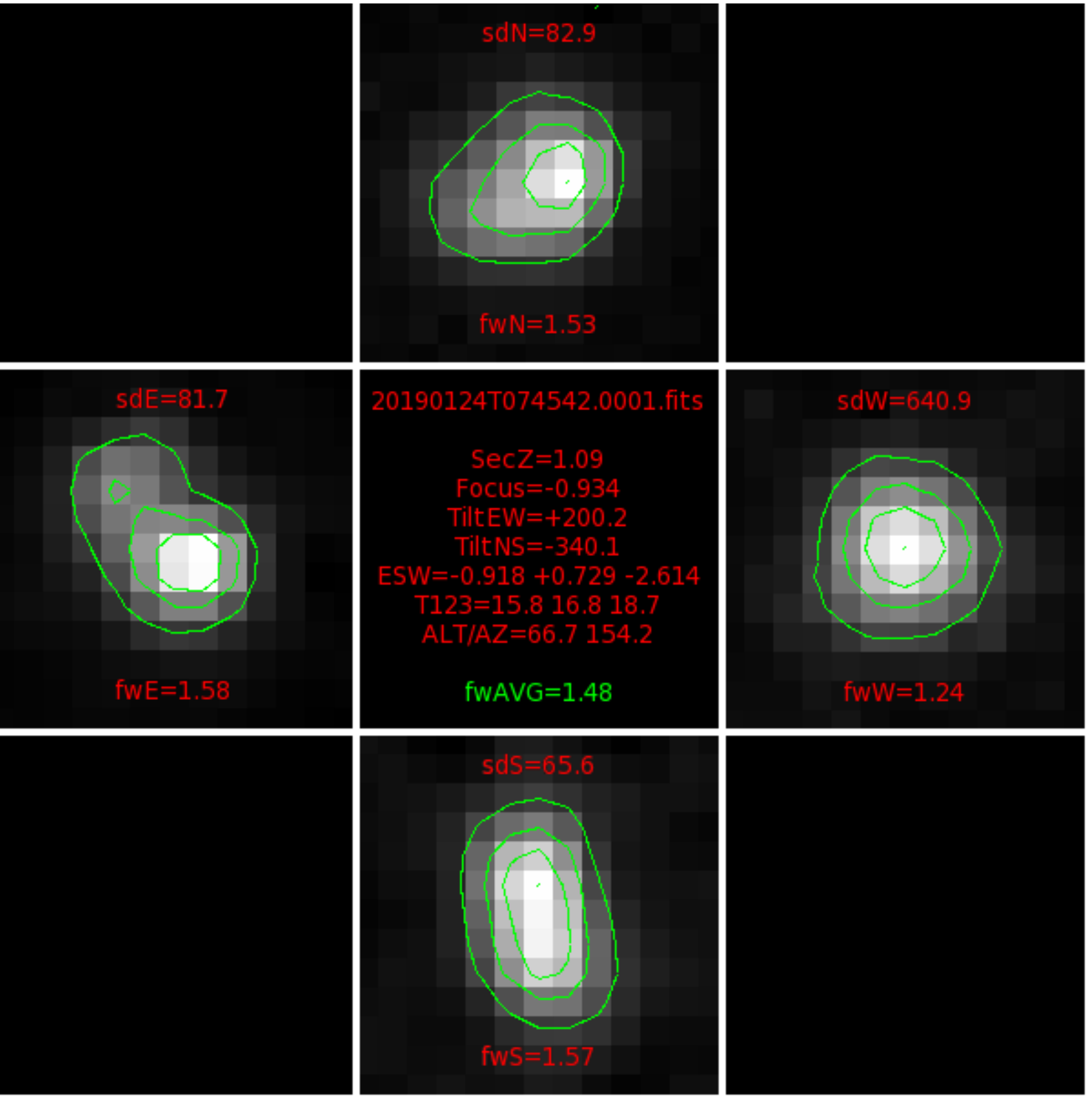
sdN=82.9
fwN=1.53
sdE=81.7
fwE=1.58
20190124T074542.0001.fits
SecZ=1.09
Focus=-0.934
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.918 +0.729 -2.614
T123=15.8 16.8 18.7
ALT/AZ=66.7 154.2
fwAVG=1.48
sdW=640.9
fwW=1.24
sdS=65.6
fwS=1.57
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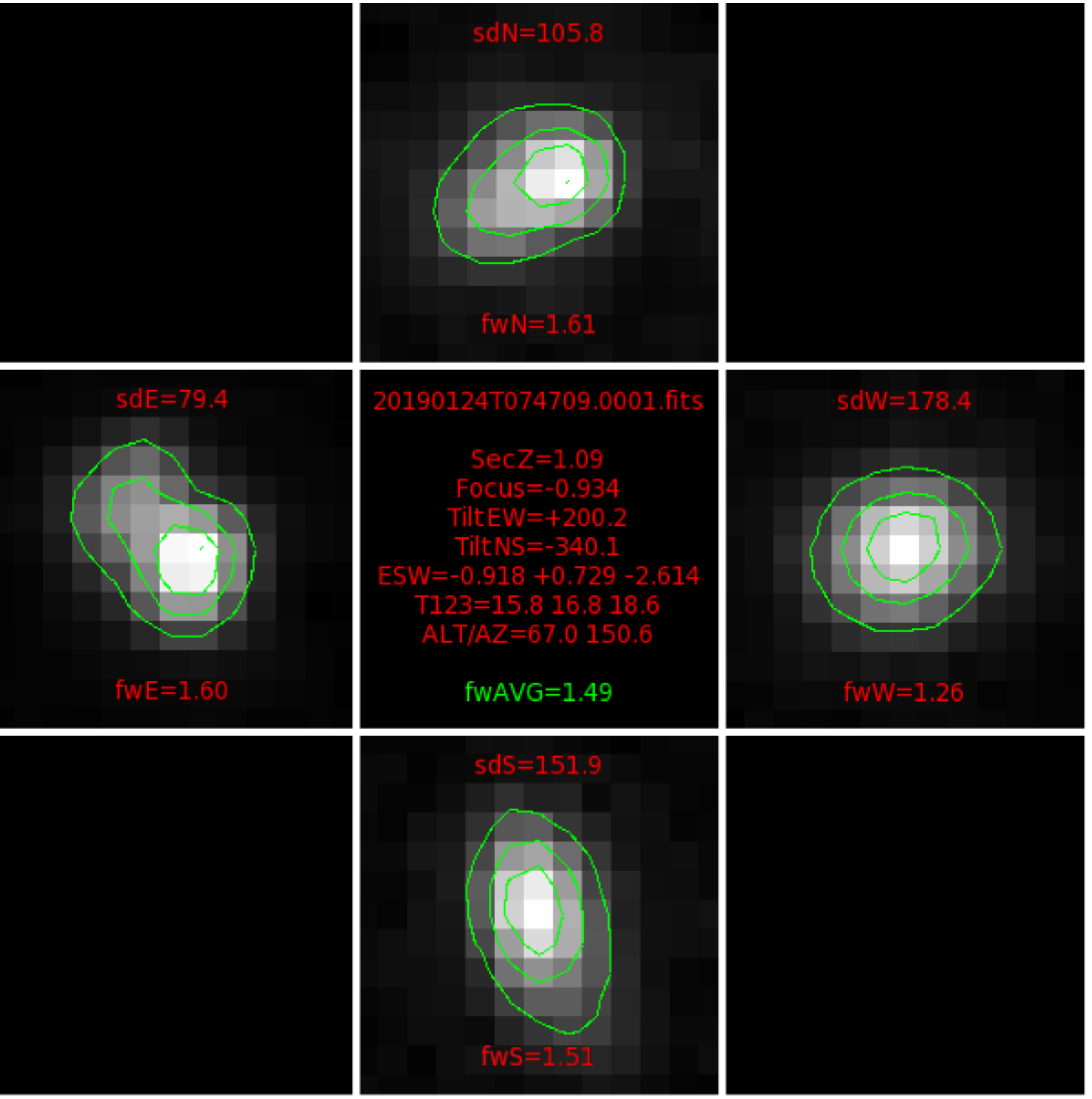
sdN=105.8
fwN=1.61
sdE=79.4
fwE=1.60
20190124T074709.0001.fits
SecZ=1.09
Focus=-0.934
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.918 +0.729 -2.614
T123=15.8 16.8 18.6
ALT/AZ=67.0 150.6
fwAVG=1.49
sdW=178.4
fwW=1.26
sdS=151.9
fwS=1.51
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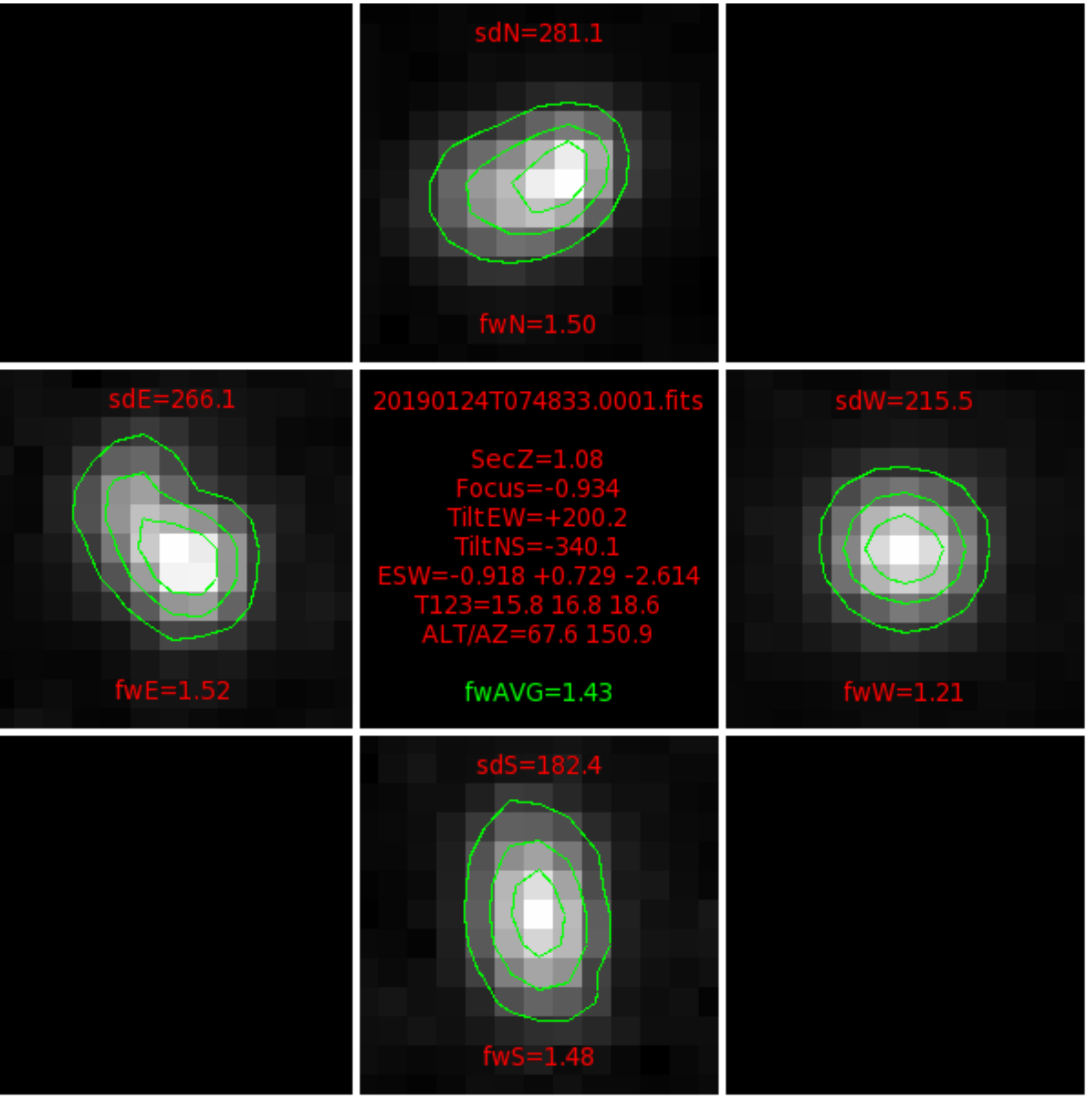
sdN=281.1
fwN=1.50
sdE=266.1
fwE=1.52
20190124T074833.0001.fits
SecZ=1.08
Focus=-0.934
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.918 +0.729 -2.614
T123=15.8 16.8 18.6
ALT/AZ=67.6 150.9
fwAVG=1.43
sdW=215.5
fwW=1.21
sdS=182.4
fwS=1.48
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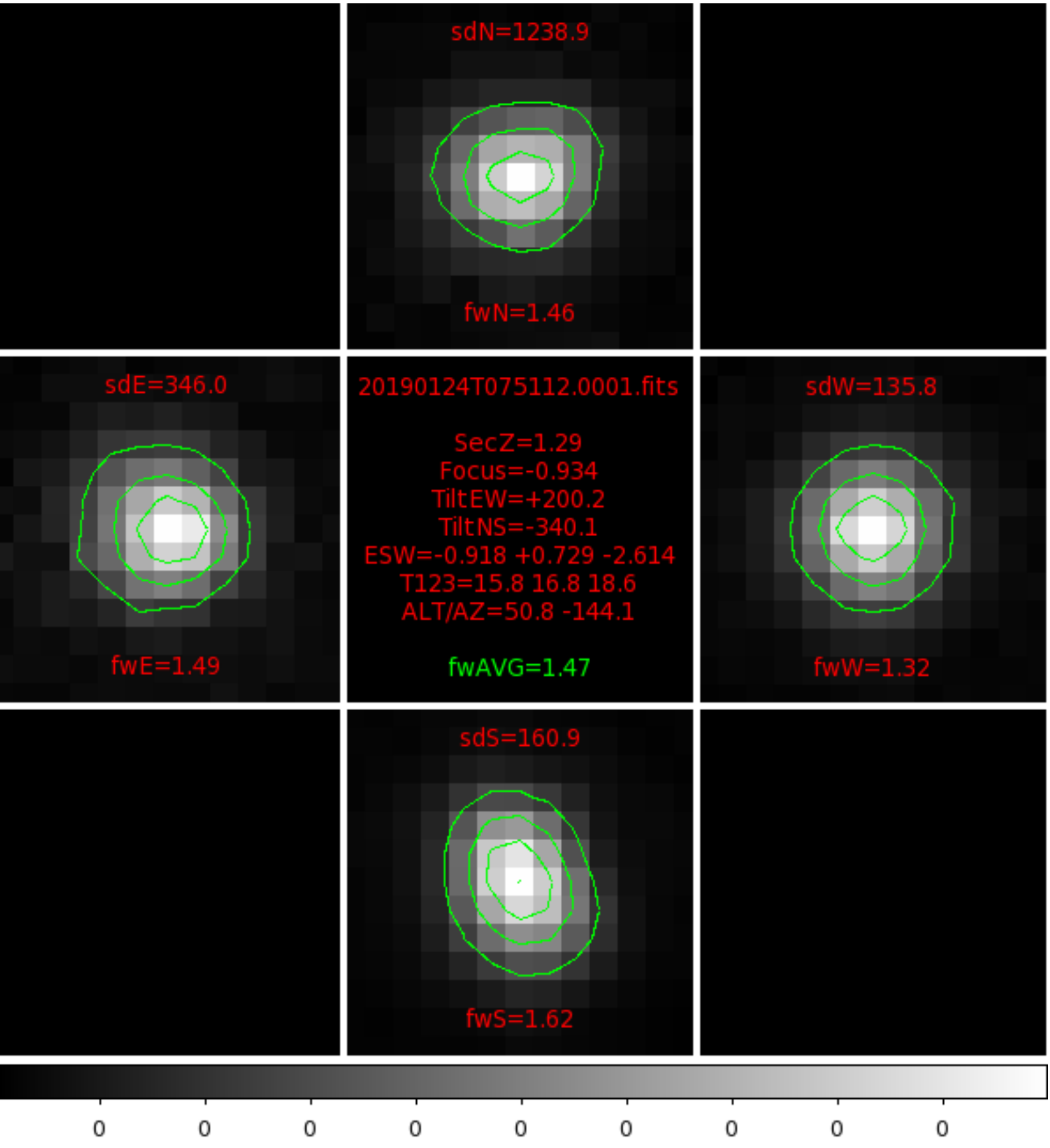
sdN=1238.9
fwN=1.46
sdE=346.0
fwE=1.49
20190124T075112.0001.fits
SecZ=1.29
Focus=-0.934
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.918 +0.729 -2.614
T123=15.8 16.8 18.6
ALT/AZ=50.8 -144.1
fwAVG=1.47
sdW=135.8
fwW=1.32
sdS=160.9
fwS=1.62
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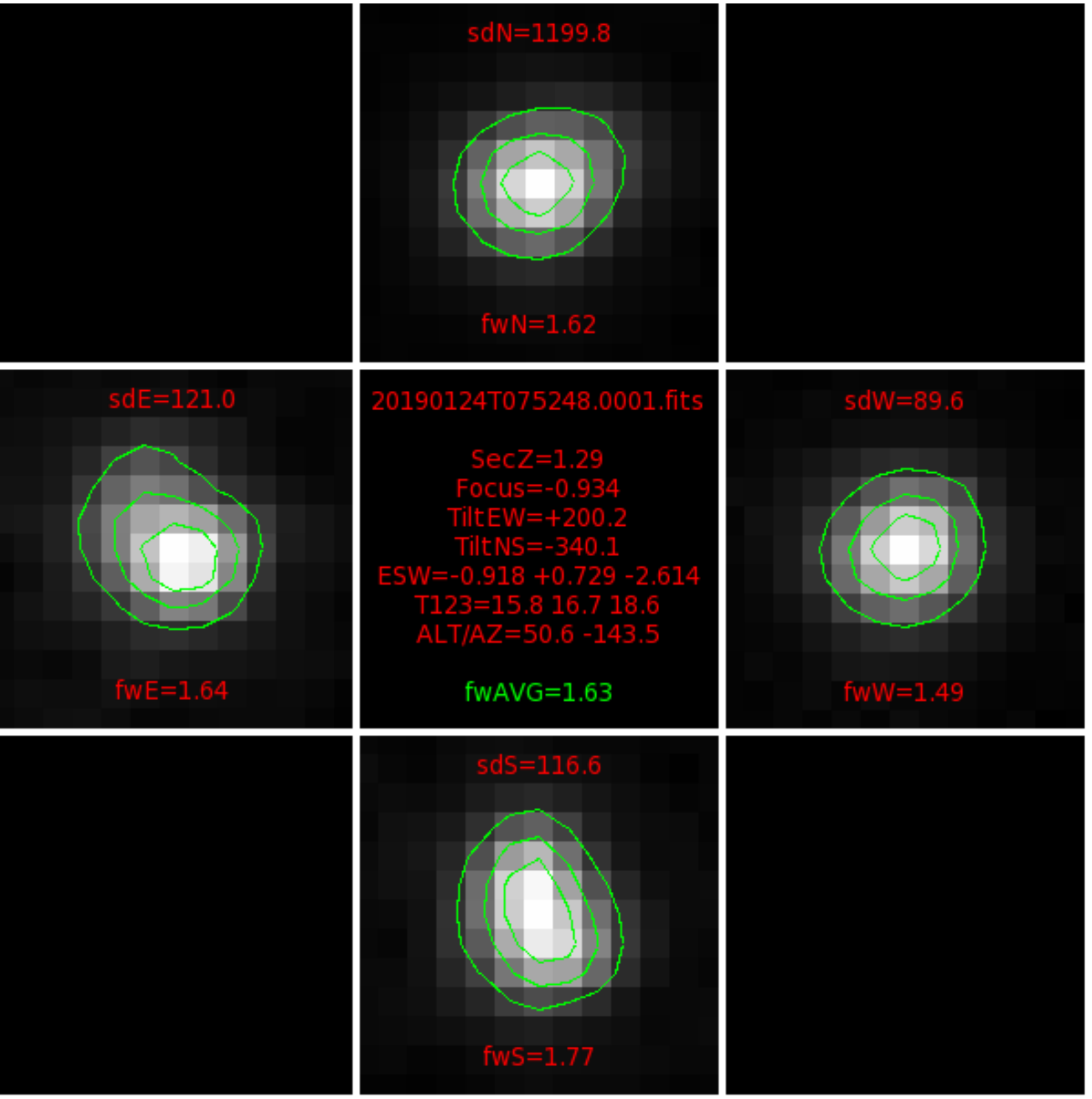
sdN=1199.8
fwN=1.62
sdE=121.0
fwE=1.64
20190124T075248.0001.fits
SecZ=1.29
Focus=-0.934
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.918 +0.729 -2.614
T123=15.8 16.7 18.6
ALT/AZ=50.6 -143.5
fwAVG=1.63
sdW=89.6
fwW=1.49
sdS=116.6
fwS=1.77
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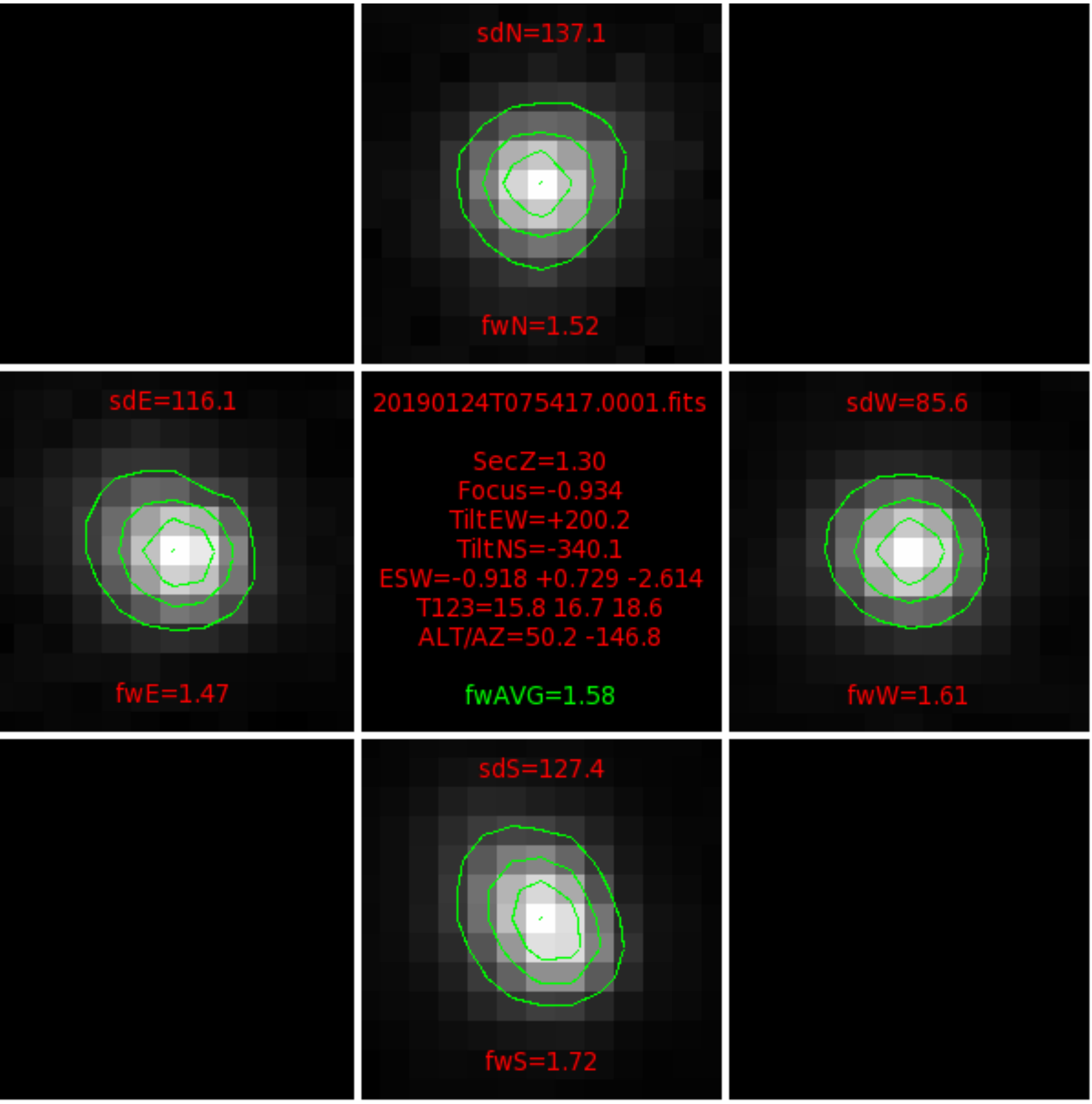
sdN=137.1
fwN=1.52
sdE=116.1
fwE=1.47
20190124T075417.0001.fits
SecZ=1.30
Focus=-0.934
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.918 +0.729 -2.614
T123=15.8 16.7 18.6
ALT/AZ=50.2 -146.8
fwAVG=1.58
sdW=85.6
fwW=1.61
sdS=127.4
fwS=1.72
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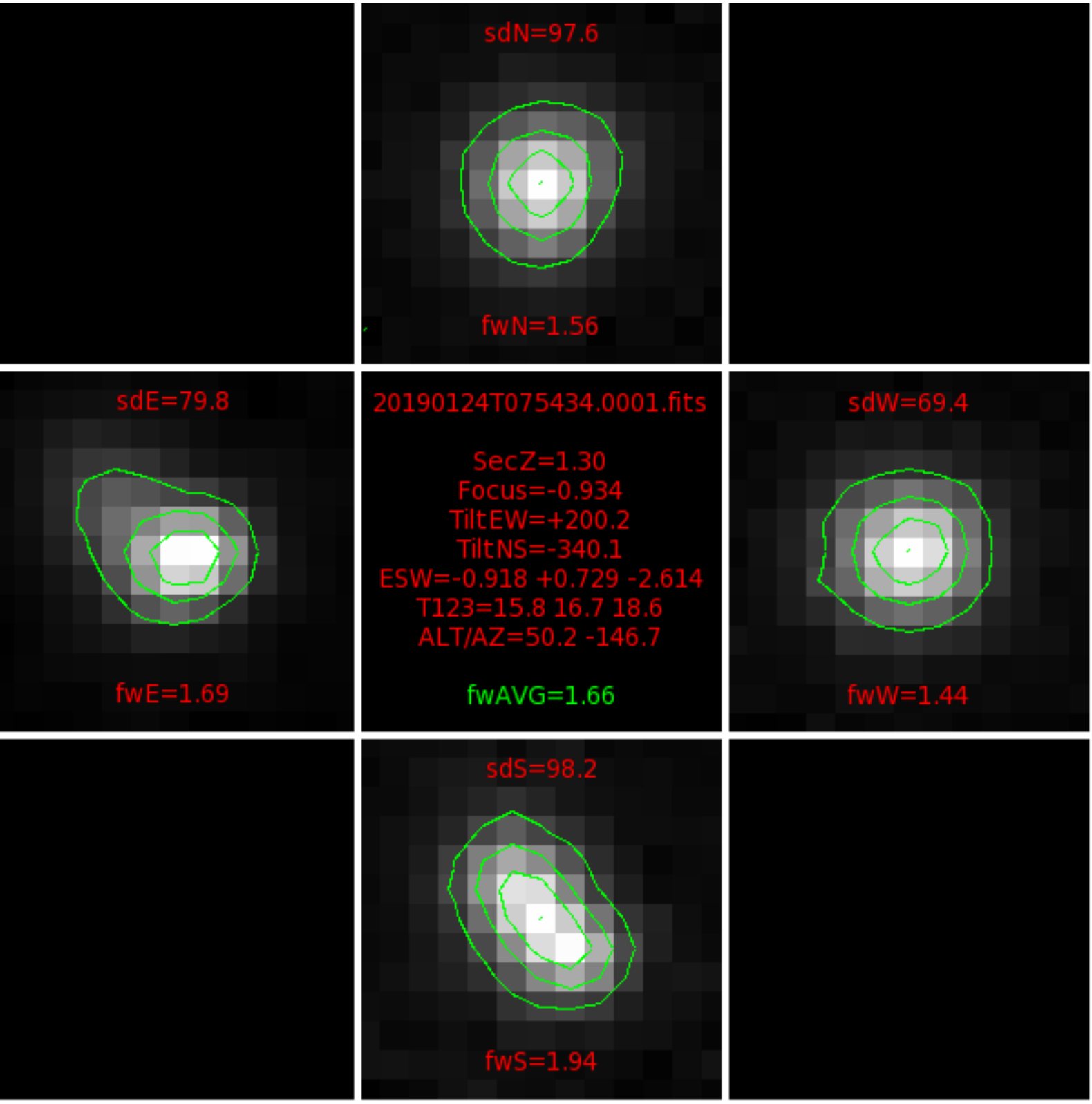
sdN=97.6
fwN=1.56
sdE=79.8
fwE=1.69
20190124T075434.0001.fits
SecZ=1.30
Focus=-0.934
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.918 +0.729 -2.614
T123=15.8 16.7 18.6
ALT/AZ=50.2 -146.7
fwAVG=1.66
sdW=69.4
fwW=1.44
sdS=98.2
fwS=1.94
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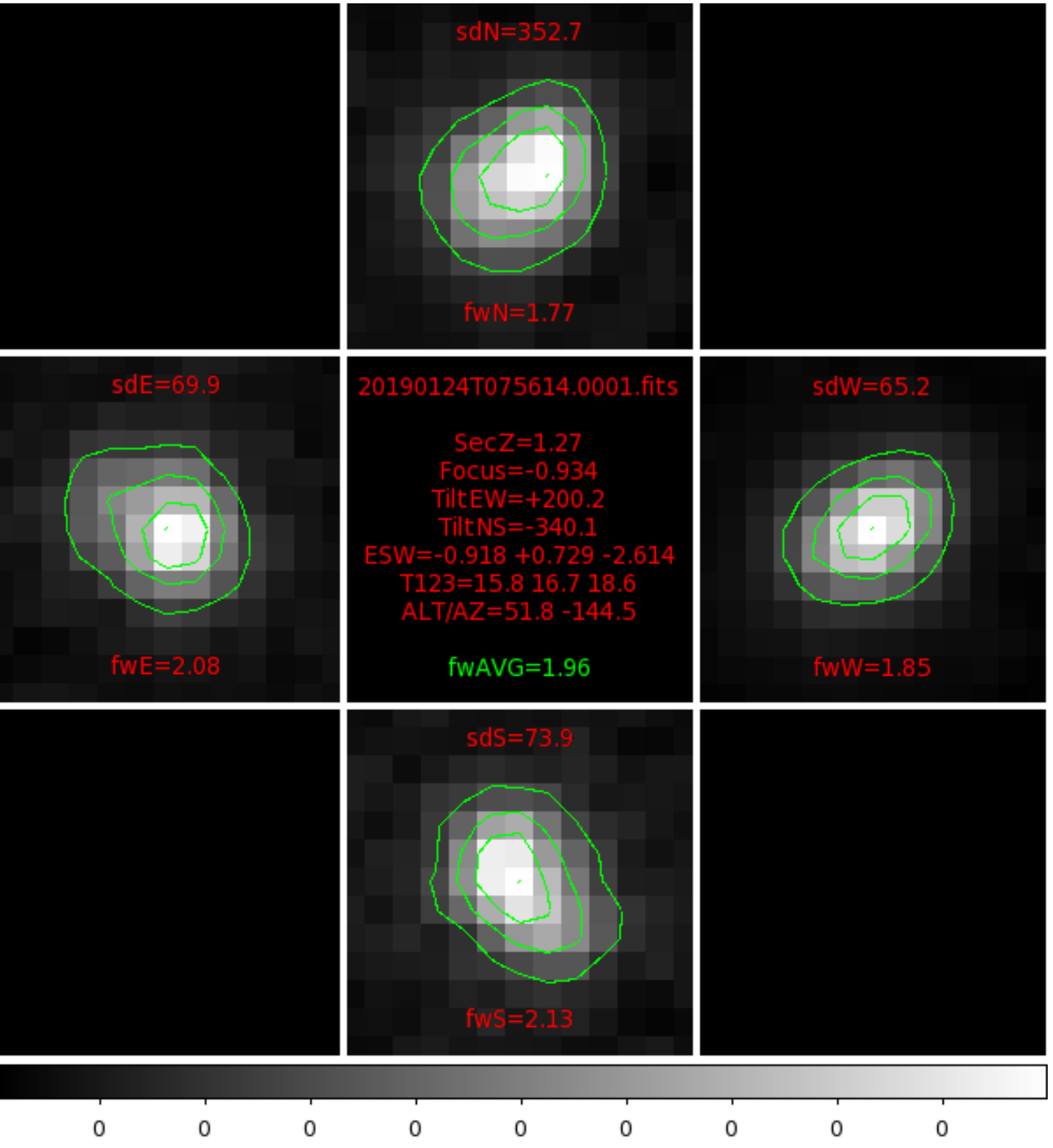
sdN=352.7
fwN=1.77
sdE=69.9
fwE=2.08
20190124T075614.0001.fits
SecZ=1.27
Focus=-0.934
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.918 +0.729 -2.614
T123=15.8 16.7 18.6
ALT/AZ=51.8 -144.5
fwAVG=1.96
sdW=65.2
fwW=1.85
sdS=73.9
fwS=2.13
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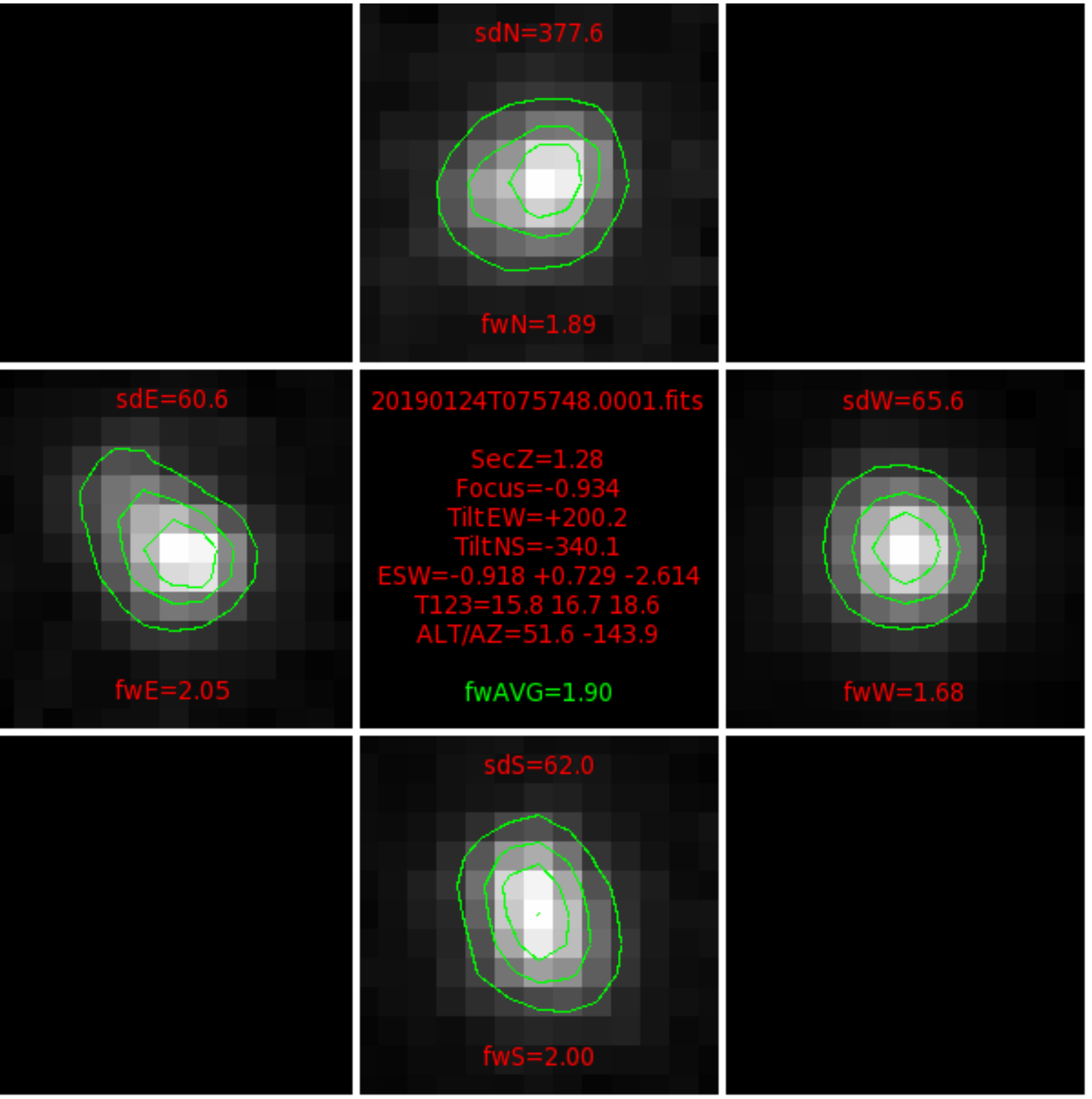
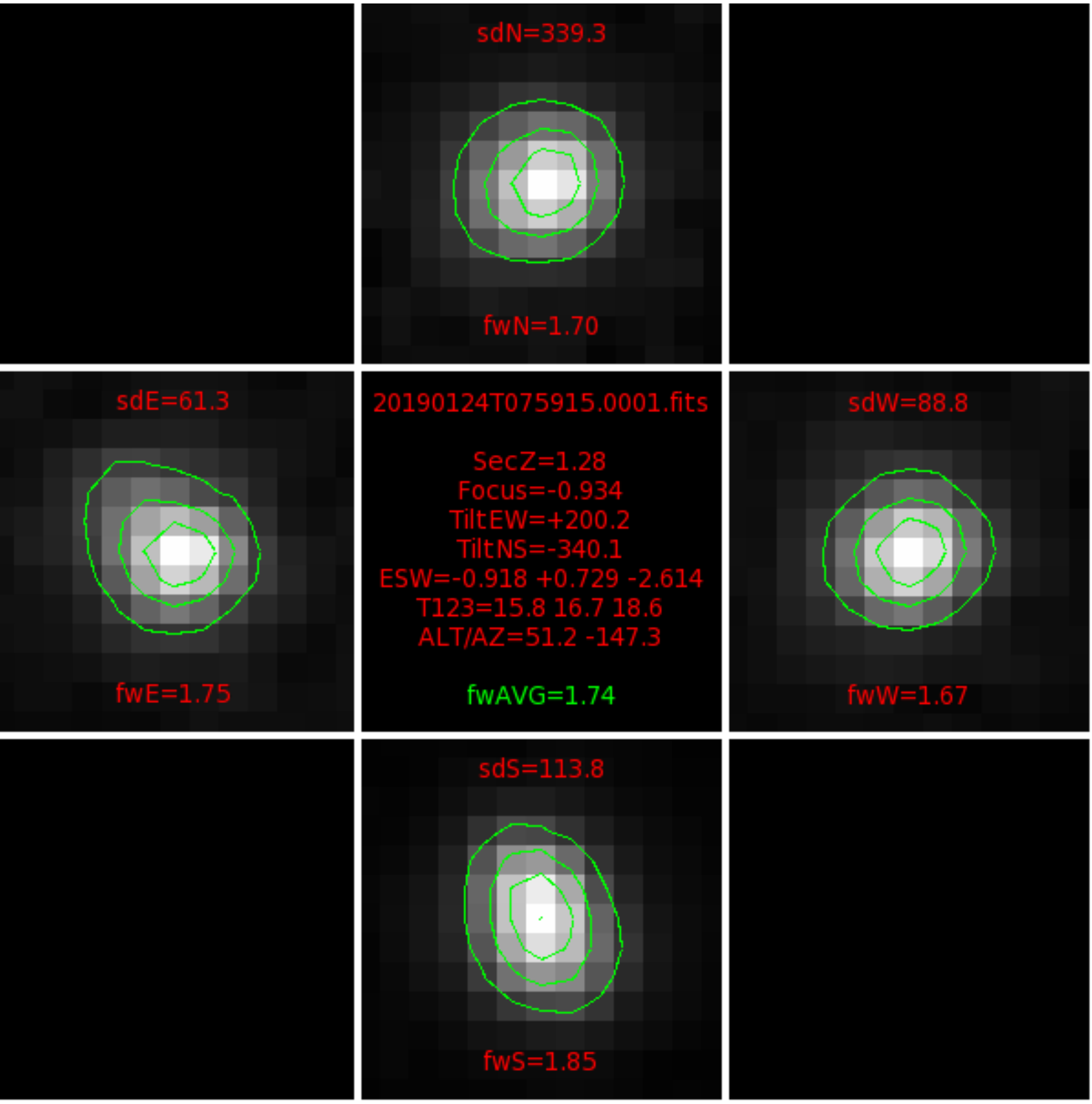

sdN=377.6
fwN=1.89
sdE=60.6
fwE=2.05
20190124T075748.0001.fits
SecZ=1.28
Focus=-0.934
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.918 +0.729 -2.614
T123=15.8 16.7 18.6
ALT/AZ=51.6 -143.9
fwAVG=1.90
sdW=65.6
fwW=1.68
sdS=62.0
fwS=2.00
0 0 0 0 0 0 0 0 0


sdN=339.3
fwN=1.70
sdE=61.3
fwE=1.75
20190124T075915.0001.fits
SecZ=1.28
Focus=-0.934
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.918 +0.729 -2.614
T123=15.8 16.7 18.6
ALT/AZ=51.2 -147.3
fwAVG=1.74
sdW=88.8
fwW=1.67
sdS=113.8
fwS=1.85
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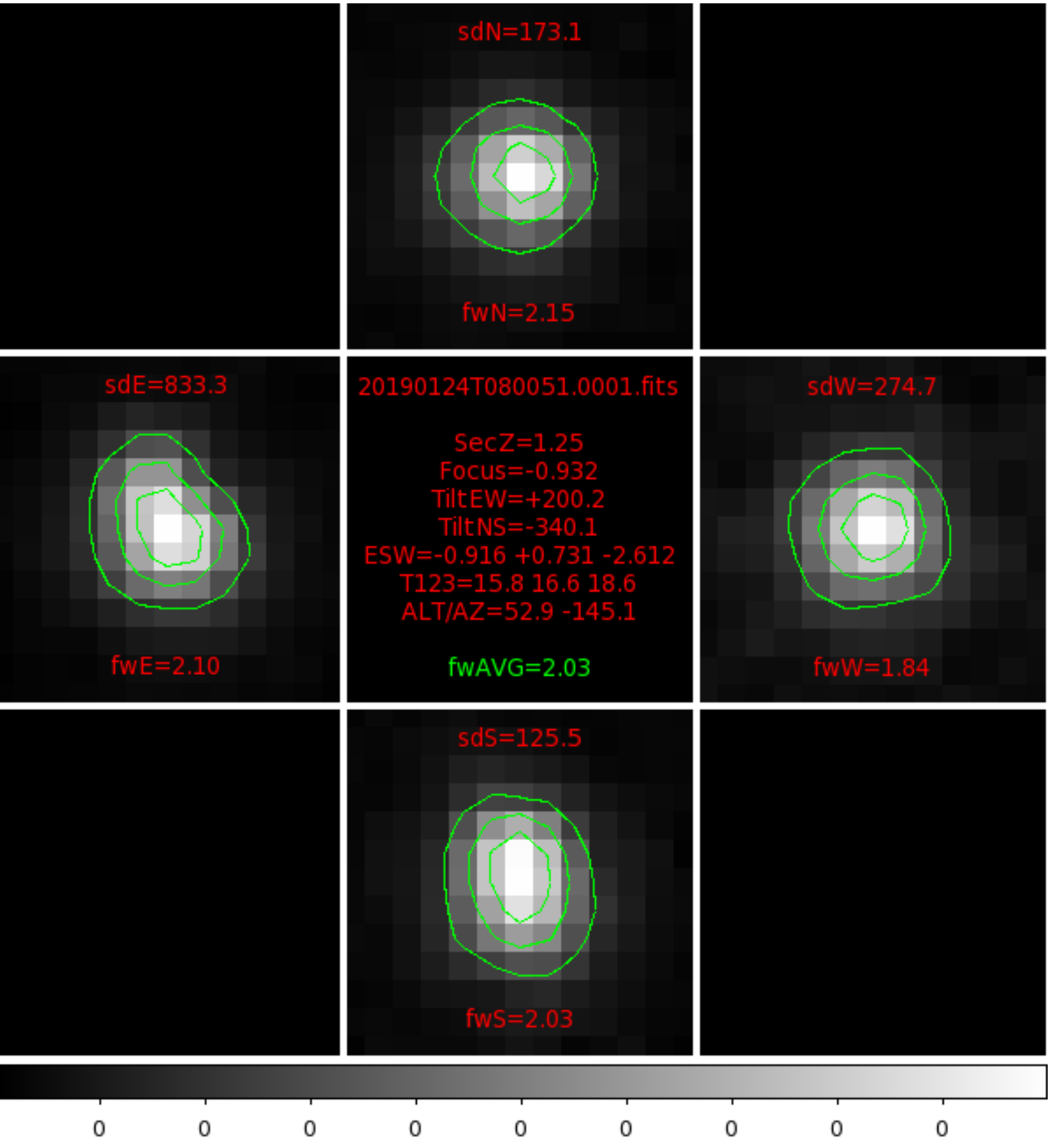
sdN=173.1
fwN=2.15
sdE=833.3
fwE=2.10
20190124T080051.0001.fits
SecZ=1.25
Focus=-0.932
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.916 +0.731 -2.612
T123=15.8 16.6 18.6
ALT/AZ=52.9 -145.1
fwAVG=2.03
sdW=274.7
fwW=1.84
sdS=125.5
fwS=2.03
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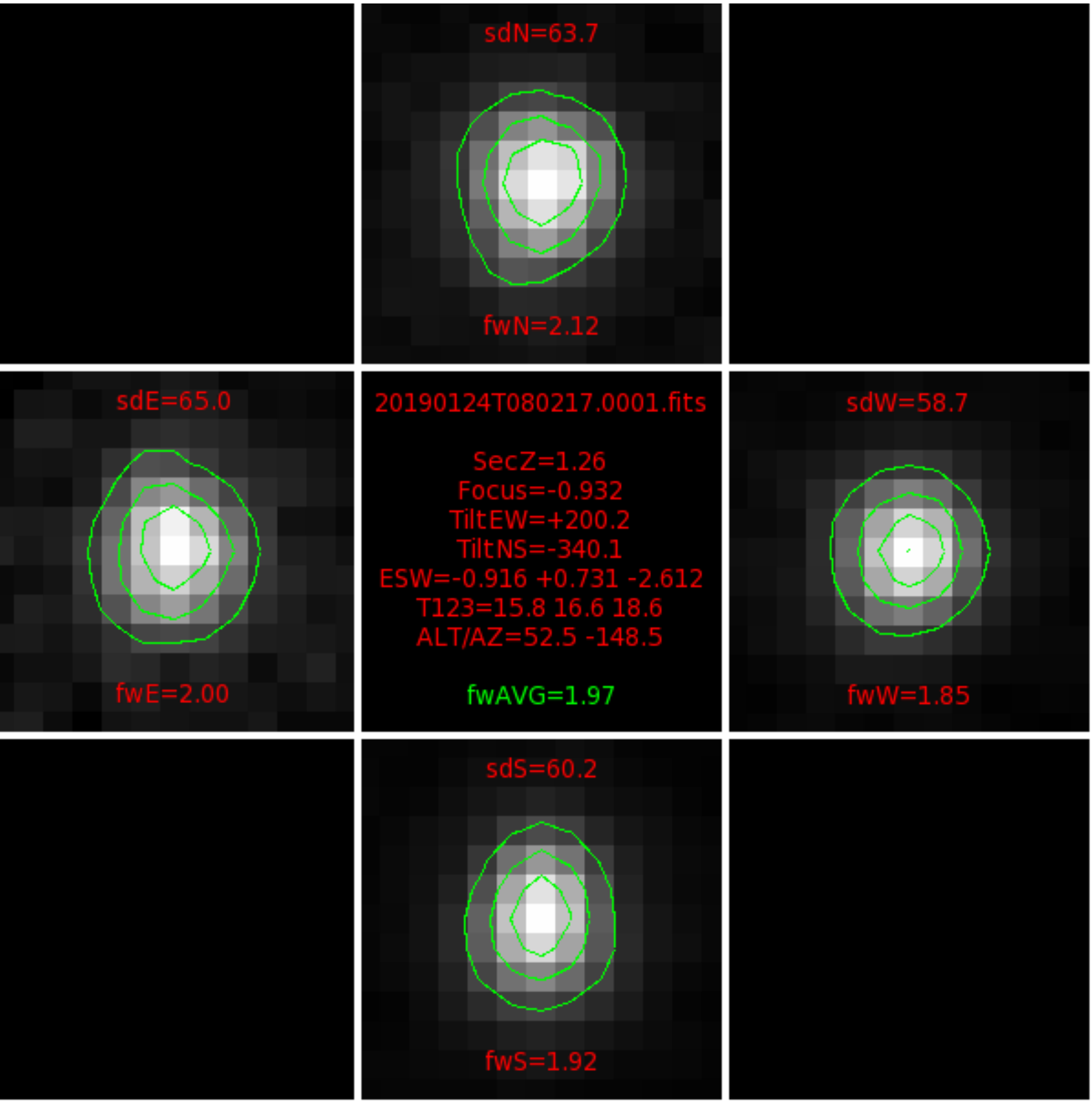
sdN=63.7
fwN=2.12
sdE=65.0
fwE=2.00
20190124T080217.0001.fits
SecZ=1.26
Focus=-0.932
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.916 +0.731 -2.612
T123=15.8 16.6 18.6
ALT/AZ=52.5 -148.5
fwAVG=1.97
sdW=58.7
fwW=1.85
sdS=60.2
fwS=1.92
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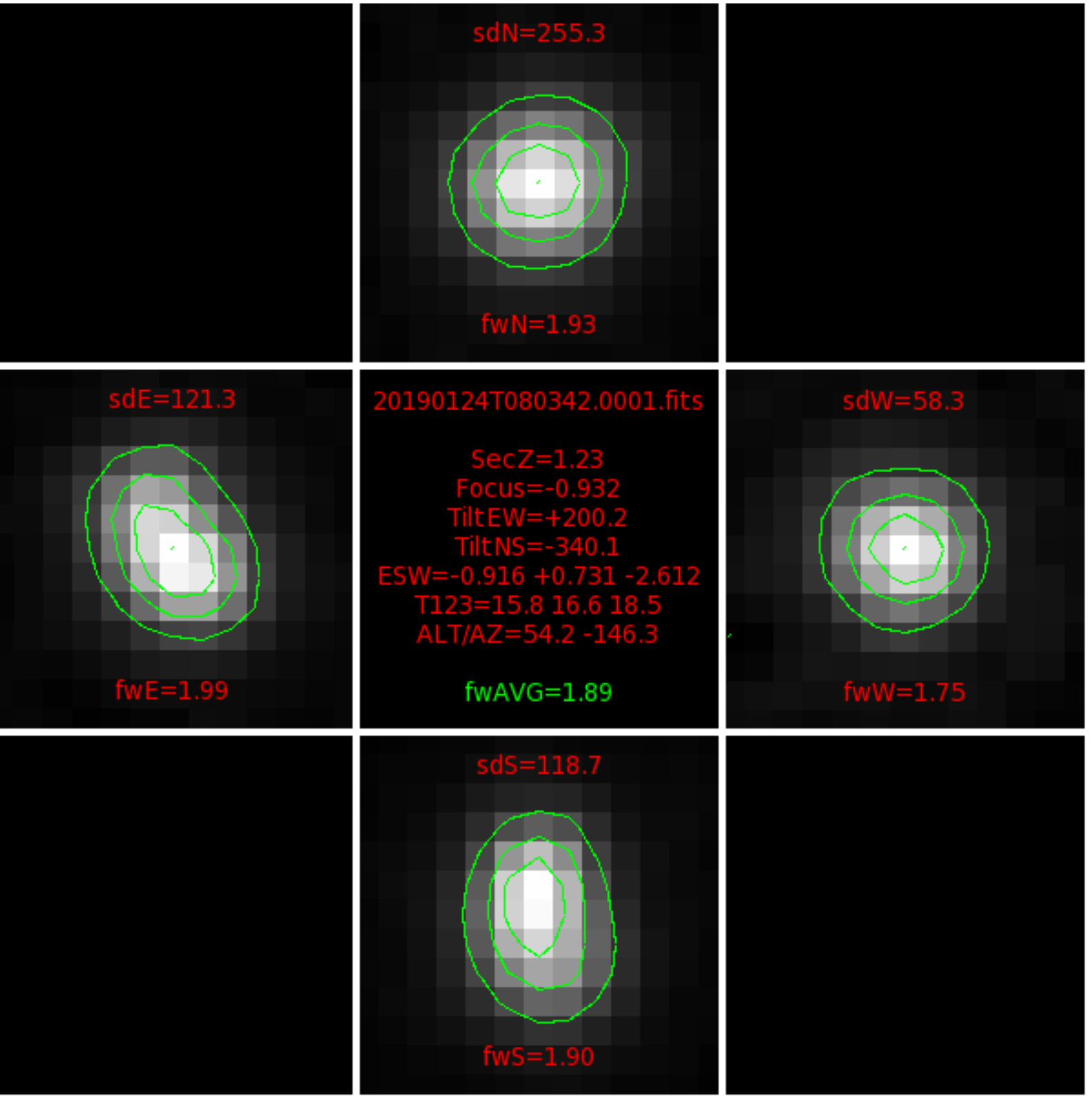
sdN=255.3
fwN=1.93
sdE=121.3
fwE=1.99
20190124T080342.0001.fits
SecZ=1.23
Focus=-0.932
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.916 +0.731 -2.612
T123=15.8 16.6 18.5
ALT/AZ=54.2 -146.3
fwAVG=1.89
sdW=58.3
fwW=1.75
sdS=118.7
fwS=1.90
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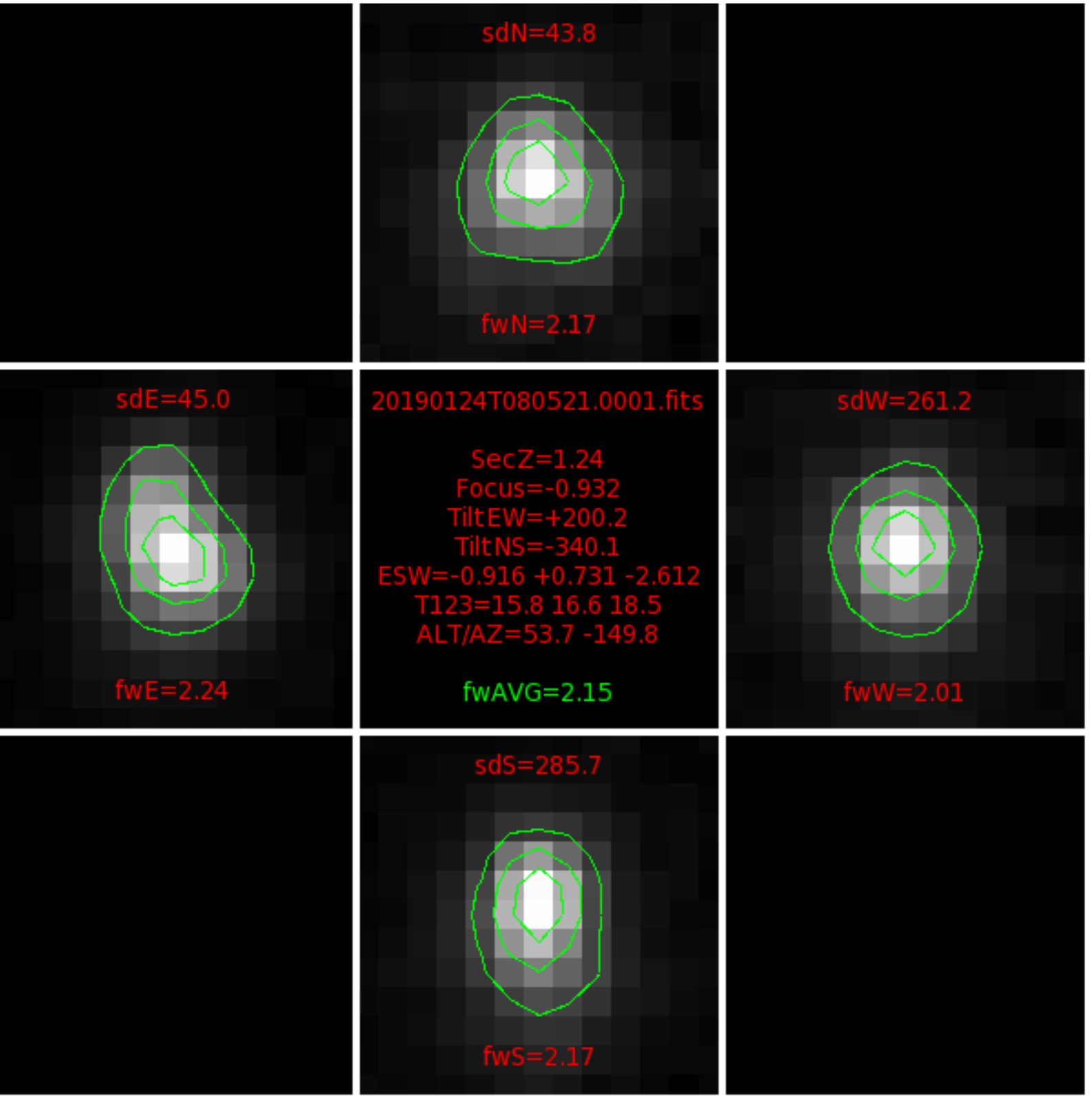
sdN=43.8
fwN=2.17
sdE=45.0
fwE=2.24
20190124T080521.0001.fits
SecZ=1.24
Focus=-0.932
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.916 +0.731 -2.612
T123=15.8 16.6 18.5
ALT/AZ=53.7 -149.8
fwAVG=2.15
sdW=261.2
fwW=2.01
sdS=285.7
fwS=2.17
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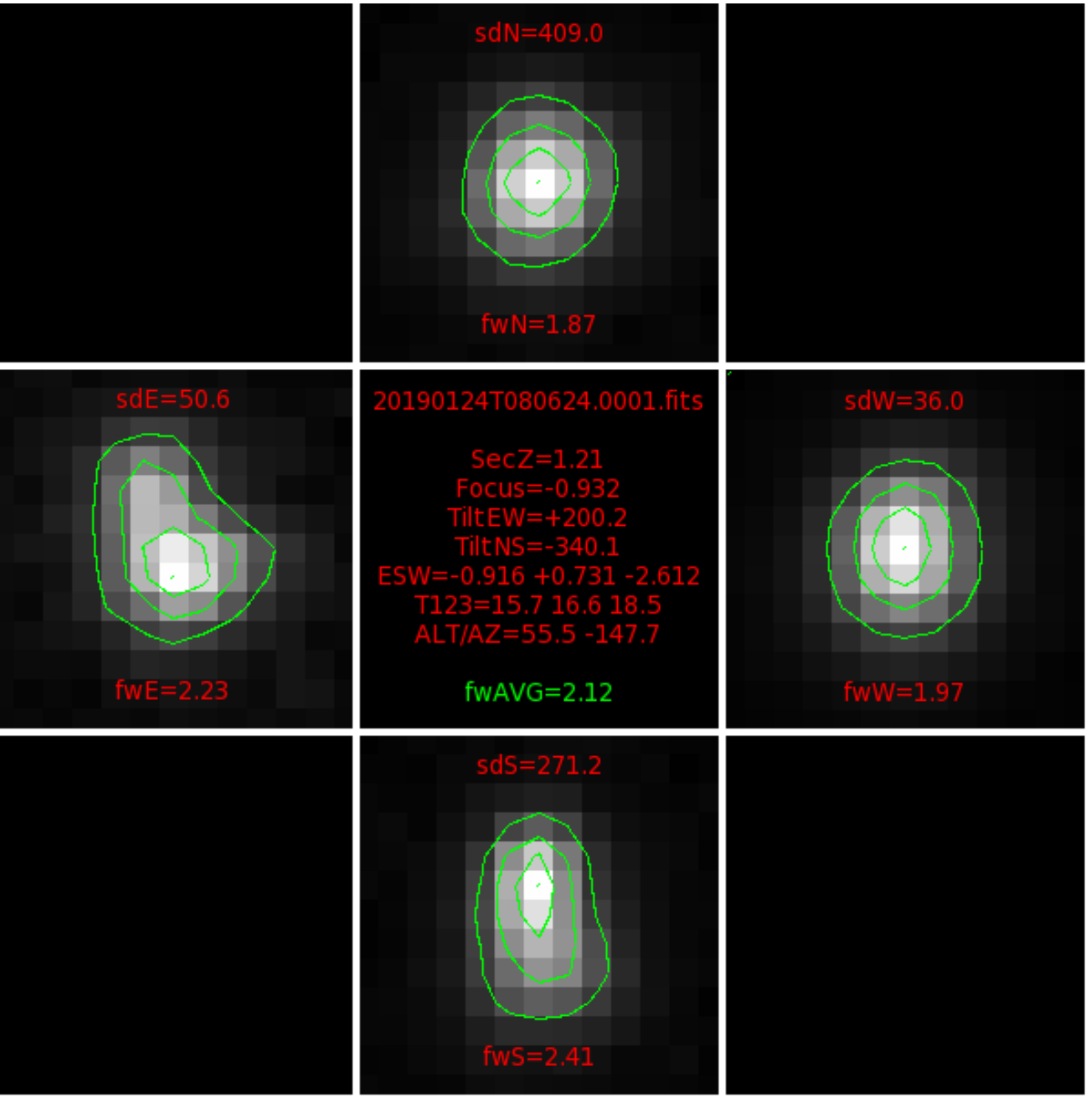
sdN=409.0
fwN=1.87
sdE=50.6
fwE=2.23
20190124T080624.0001.fits
SecZ=1.21
Focus=-0.932
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.916 +0.731 -2.612
T123=15.7 16.6 18.5
ALT/AZ=55.5 -147.7
fwAVG=2.12
sdW=36.0
fwW=1.97
sdS=271.2
fwS=2.41
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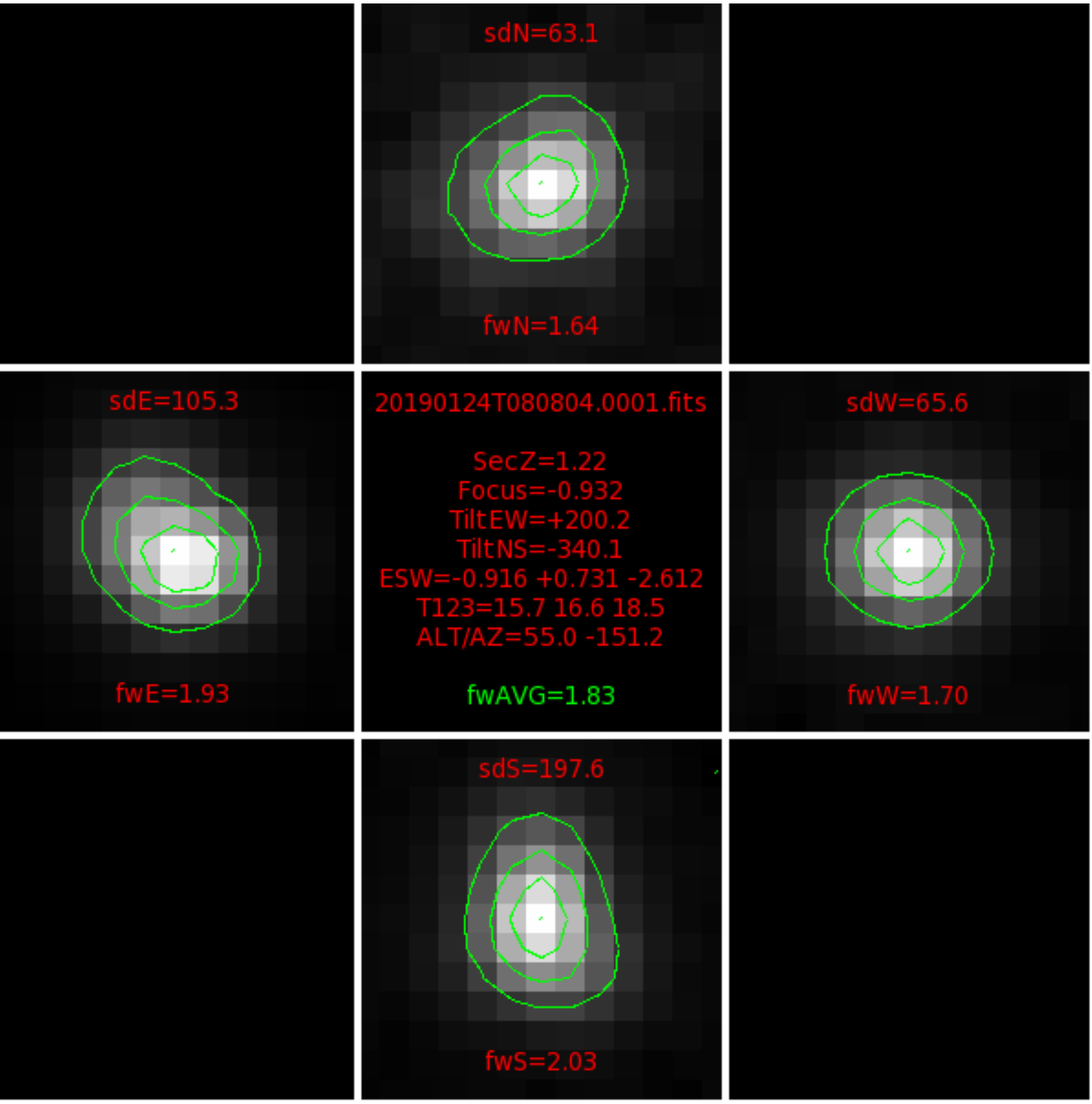
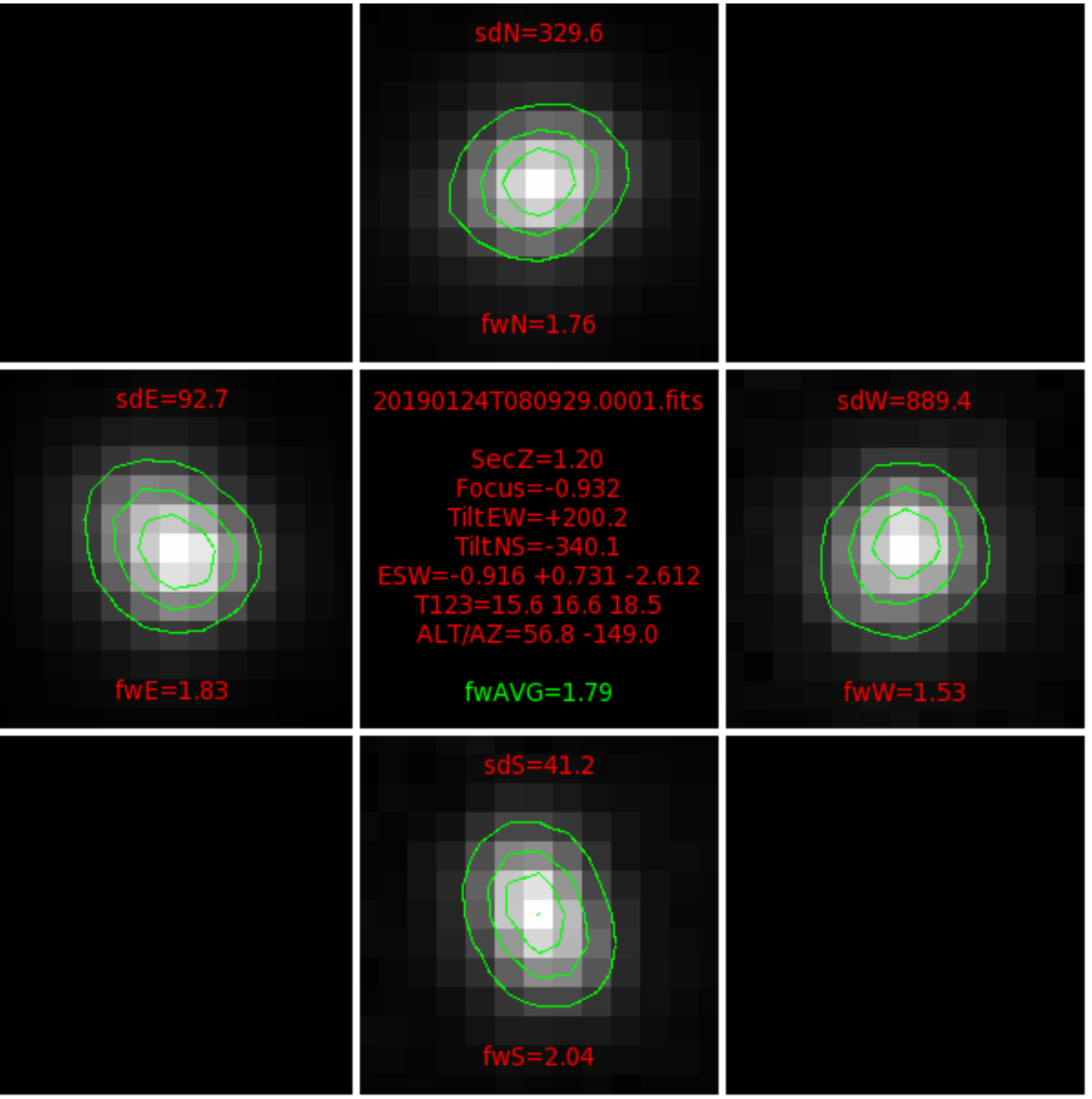

sdN=63.1
fwN=1.64
sdE=105.3
fwE=1.93
20190124T080804.0001.fits
SecZ=1.22
Focus=-0.932
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.916 +0.731 -2.612
T123=15.7 16.6 18.5
ALT/AZ=55.0 -151.2
fwAVG=1.83
sdW=65.6
fwW=1.70
sdS=197.6
fwS=2.03
0 0 0 0 0 0 0 0 0


sdN=329.6
fwN=1.76
sdE=92.7
fwE=1.83
20190124T080929.0001.fits
SecZ=1.20
Focus=-0.932
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.916 +0.731 -2.612
T123=15.6 16.6 18.5
ALT/AZ=56.8 -149.0
fwAVG=1.79
sdW=889.4
fwW=1.53
sdS=41.2
fwS=2.04
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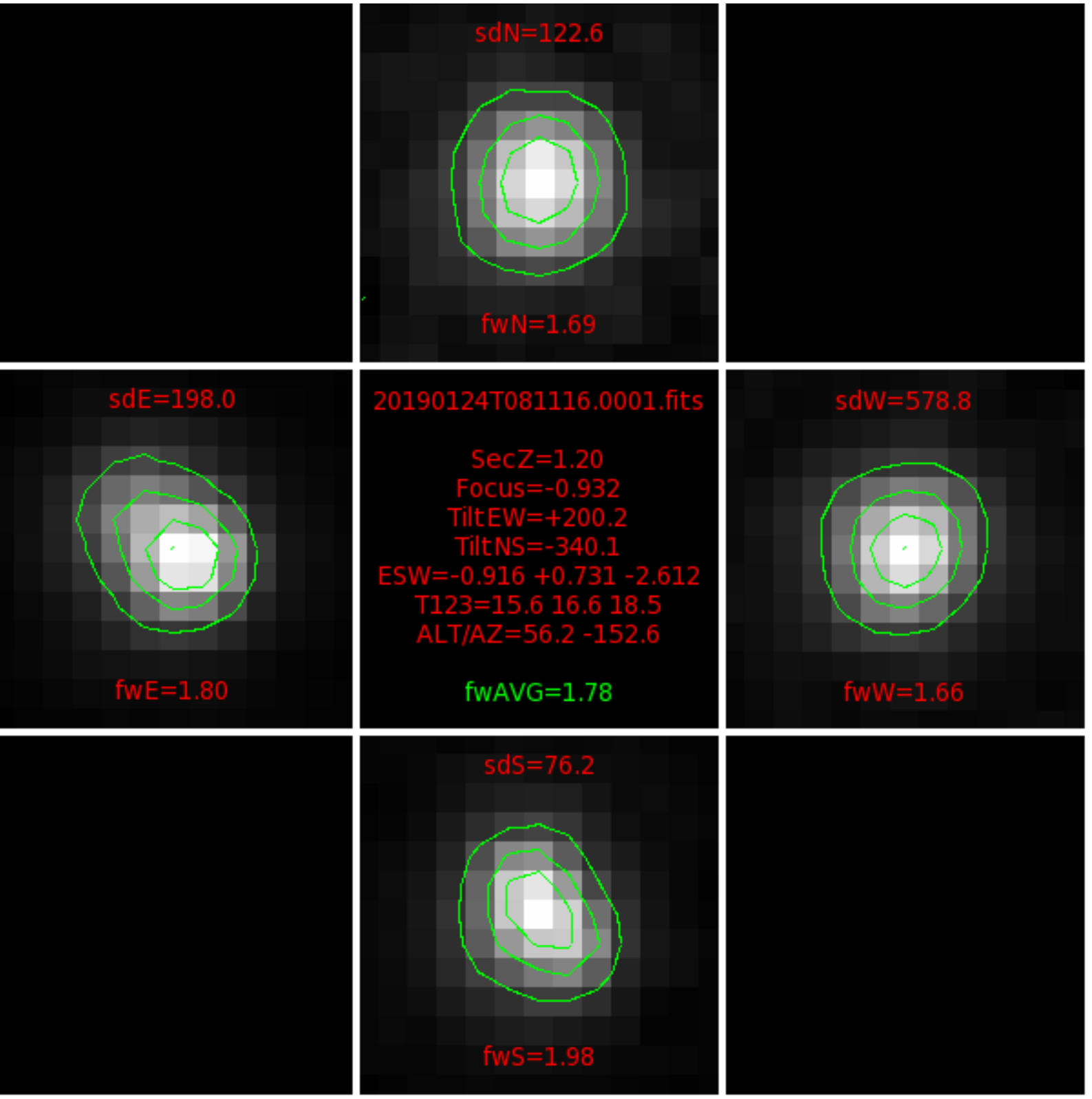
sdN=122.6
fwN=1.69
sdE=198.0
fwE=1.80
20190124T081116.0001.fits
SecZ=1.20
Focus=-0.932
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.916 +0.731 -2.612
T123=15.6 16.6 18.5
ALT/AZ=56.2 -152.6
fwAVG=1.78
sdW=578.8
fwW=1.66
sdS=76.2
fwS=1.98
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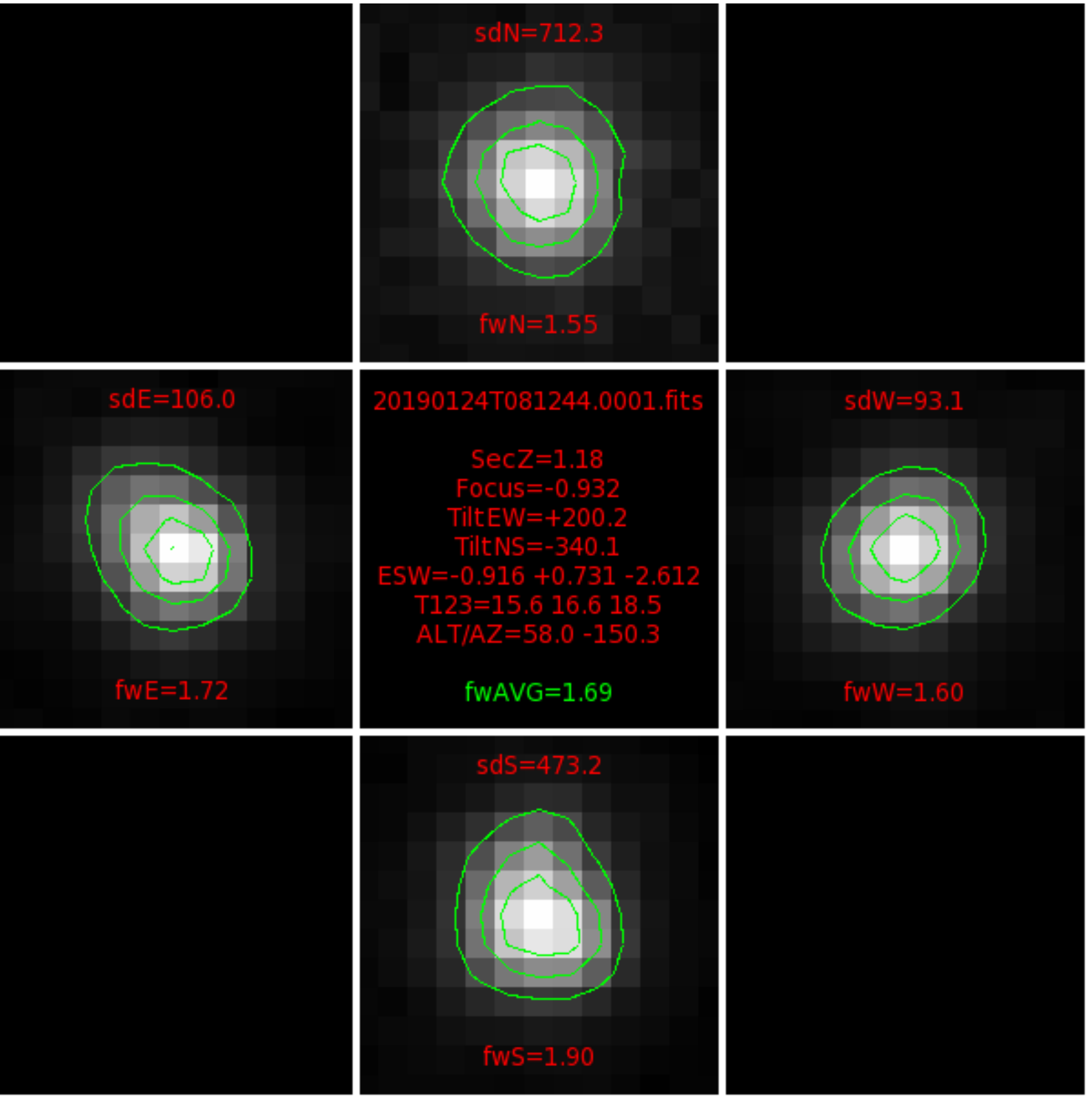
sdN=712.3
fwN=1.55
sdE=106.0
fwE=1.72
20190124T081244.0001.fits
SecZ=1.18
Focus=-0.932
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.916 +0.731 -2.612
T123=15.6 16.6 18.5
ALT/AZ=58.0 -150.3
fwAVG=1.69
sdW=93.1
fwW=1.60
sdS=473.2
fwS=1.90
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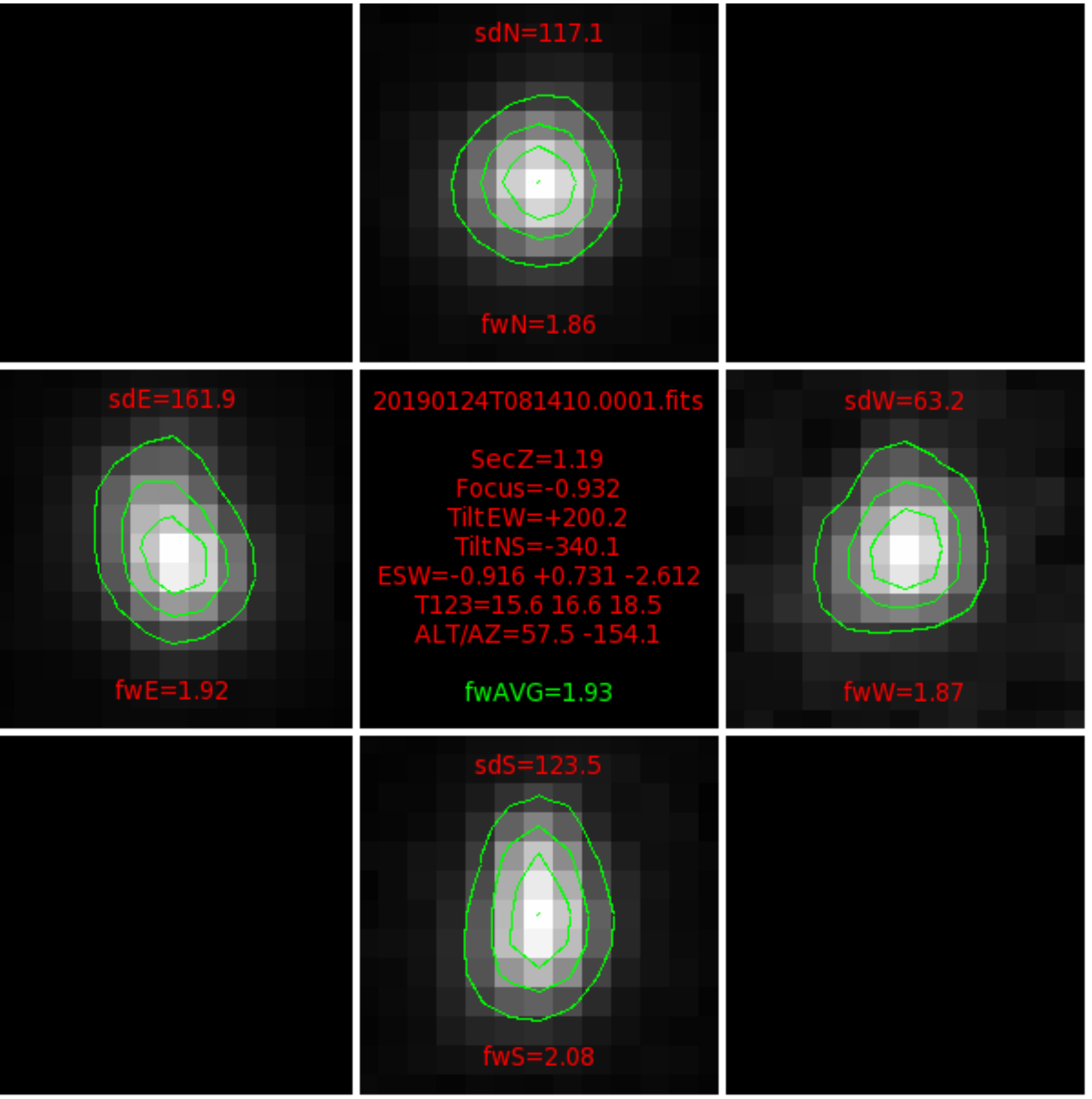
sdN=117.1
fwN=1.86
sdE=161.9
fwE=1.92
20190124T081410.0001.fits
SecZ=1.19
Focus=-0.932
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.916 +0.731 -2.612
T123=15.6 16.6 18.5
ALT/AZ=57.5 -154.1
fwAVG=1.93
sdW=63.2
fwW=1.87
sdS=123.5
fwS=2.08
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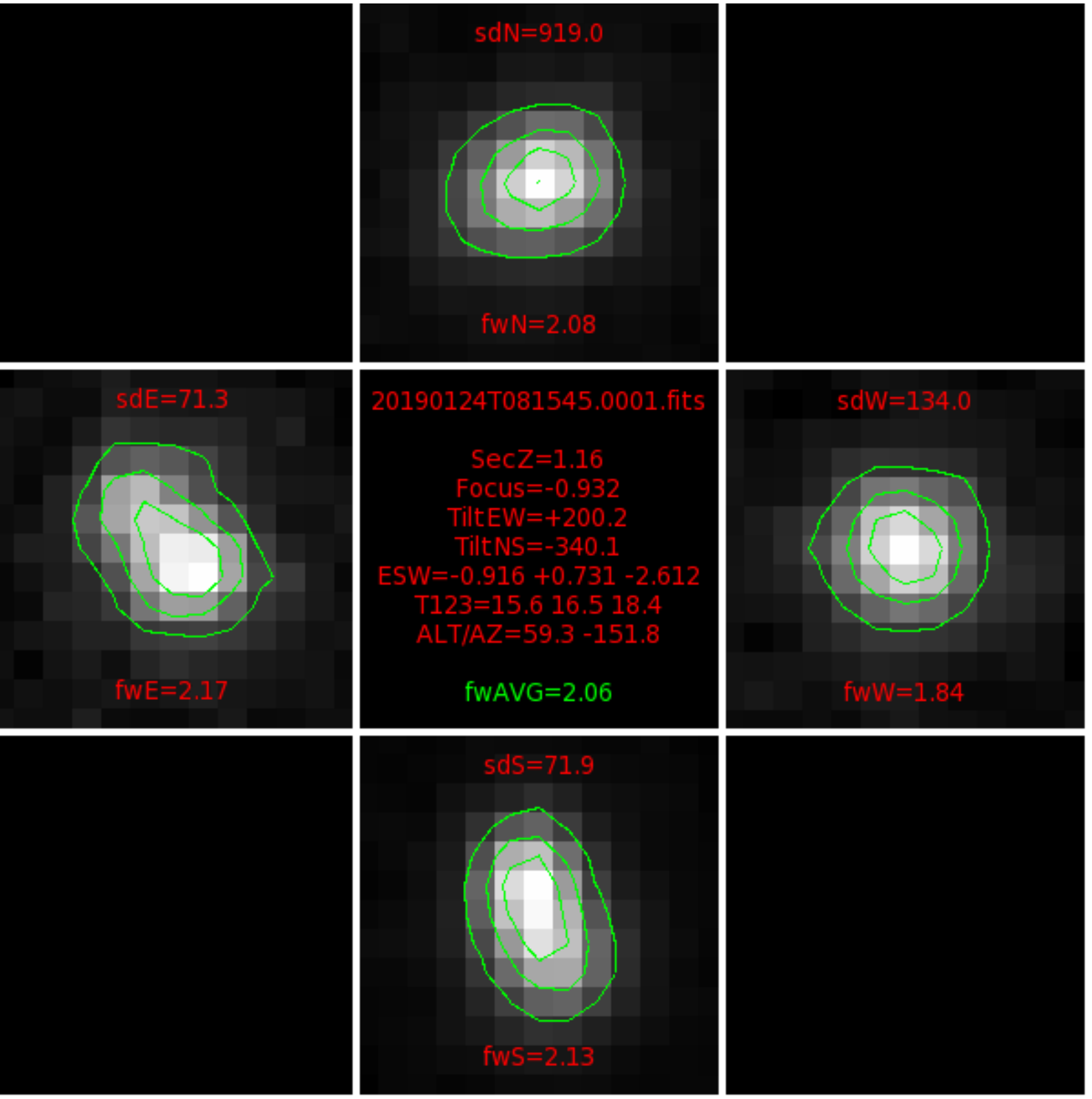
sdN=919.0
fwN=2.08
sdE=71.3
fwE=2.17
20190124T081545.0001.fits
SecZ=1.16
Focus=-0.932
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.916 +0.731 -2.612
T123=15.6 16.5 18.4
ALT/AZ=59.3 -151.8
fwAVG=2.06
sdW=134.0
fwW=1.84
sdS=71.9
fwS=2.13
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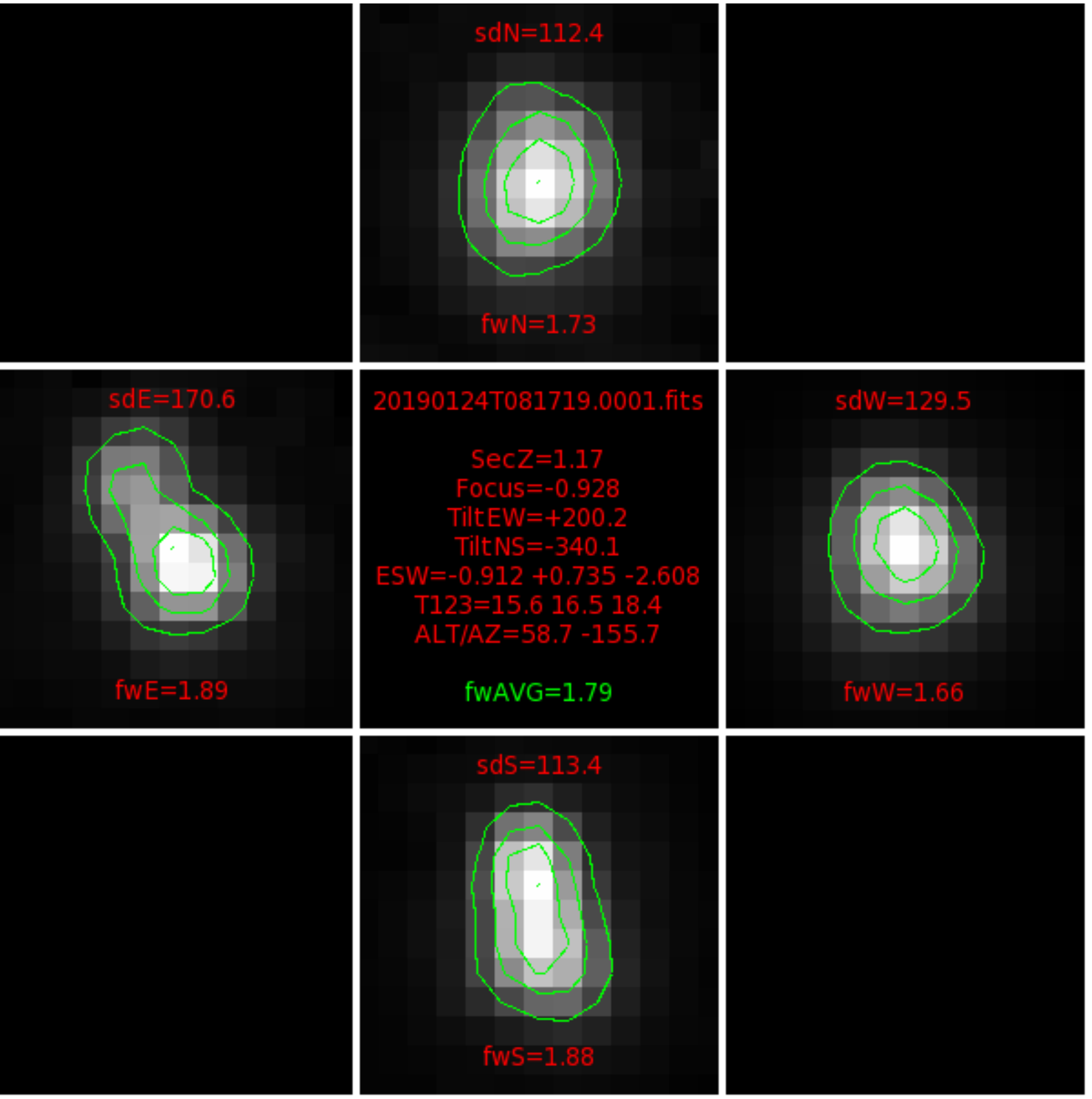
sdN=112.4
fwN=1.73
sdE=170.6
fwE=1.89
20190124T081719.0001.fits
SecZ=1.17
Focus=-0.928
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.912 +0.735 -2.608
T123=15.6 16.5 18.4
ALT/AZ=58.7 -155.7
fwAVG=1.79
sdW=129.5
fwW=1.66
sdS=113.4
fwS=1.88
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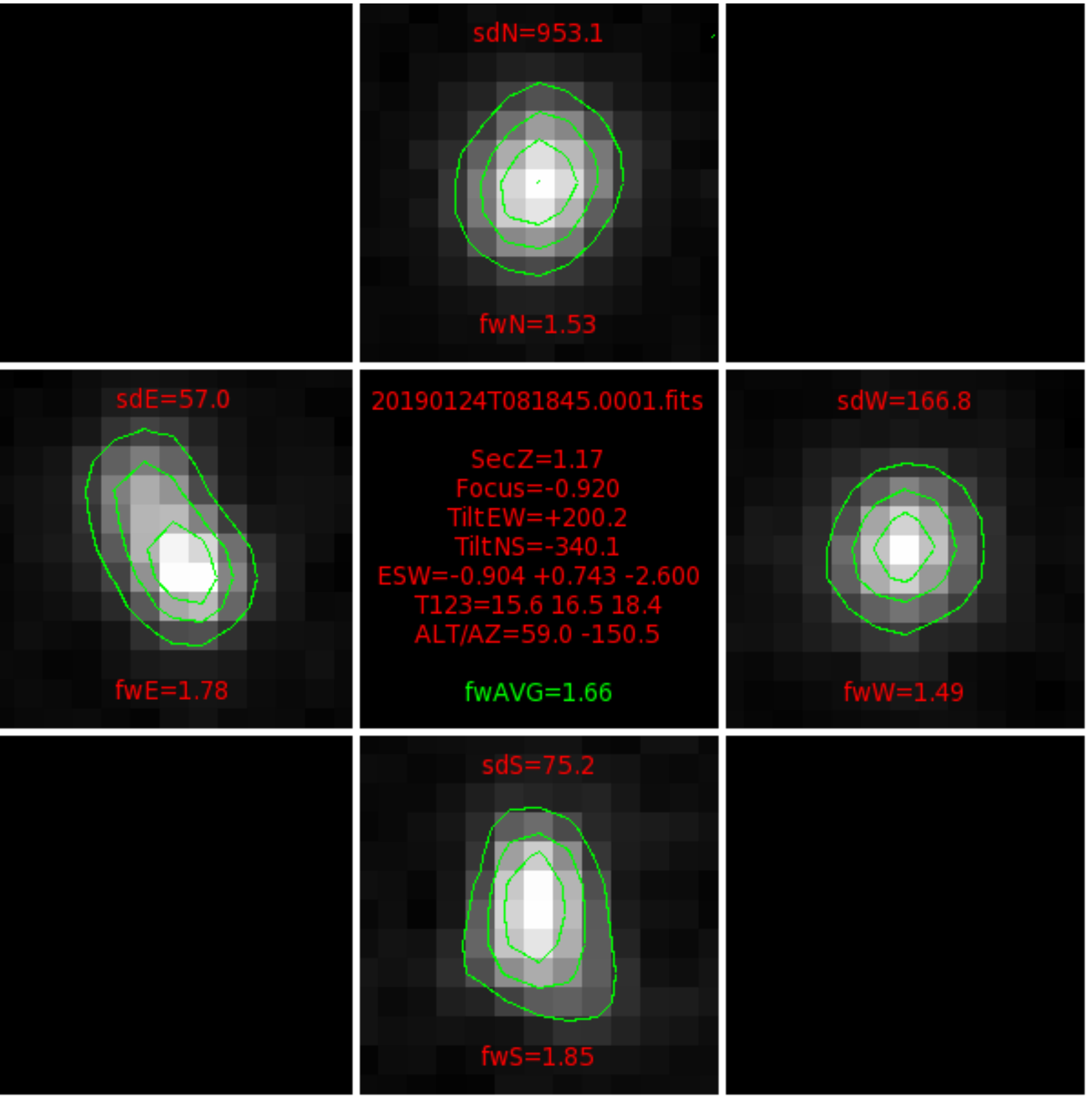
sdN=953.1
fwN=1.53
sdE=57.0
fwE=1.78
20190124T081845.0001.fits
SecZ=1.17
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.6 16.5 18.4
ALT/AZ=59.0 -150.5
fwAVG=1.66
sdW=166.8
fwW=1.49
sdS=75.2
fwS=1.85
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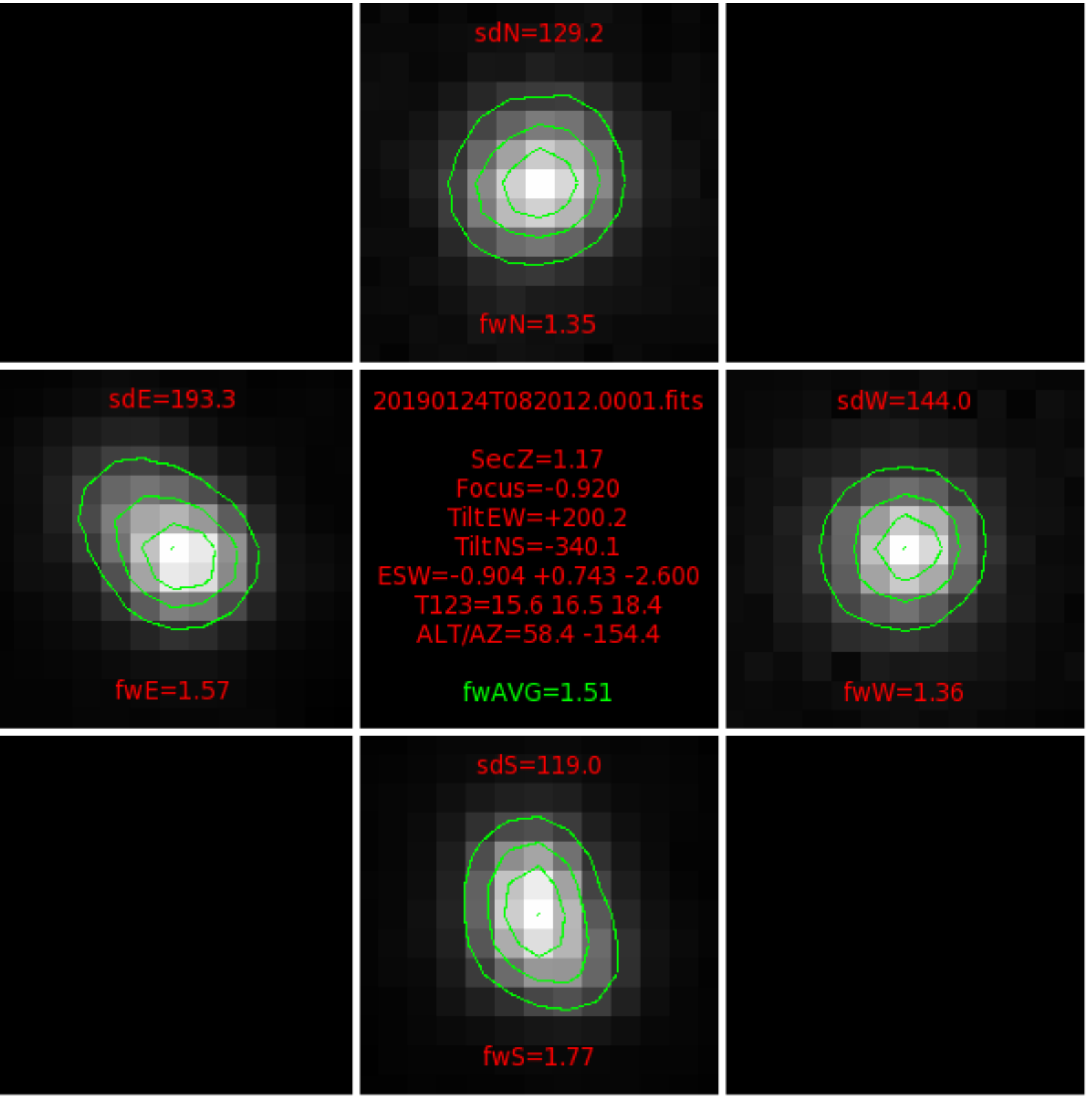
sdN=129.2
fwN=1.35
sdE=193.3
fwE=1.57
20190124T082012.0001.fits
SecZ=1.17
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.6 16.5 18.4
ALT/AZ=58.4 -154.4
fwAVG=1.51
sdW=144.0
fwW=1.36
sdS=119.0
fwS=1.77
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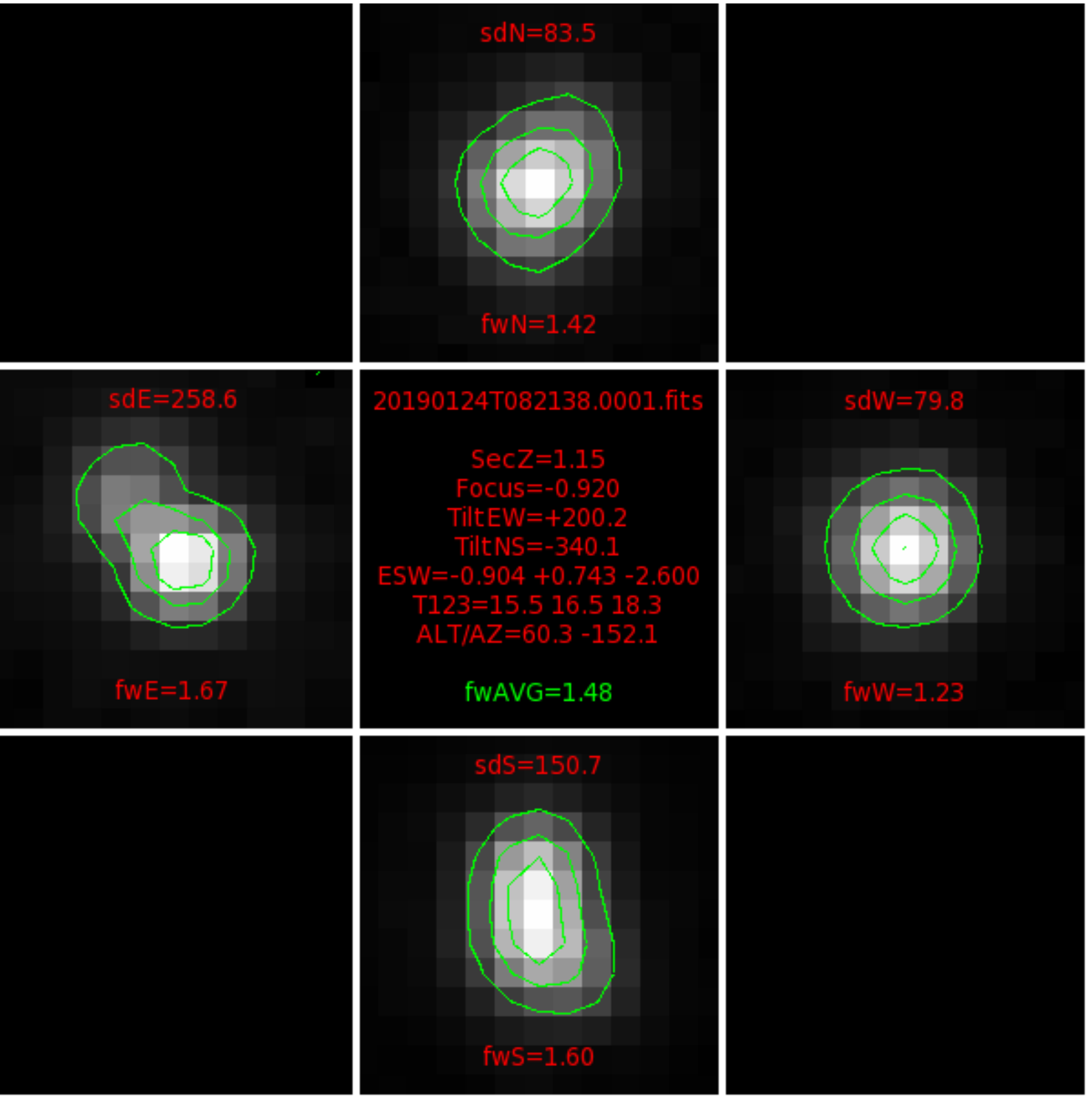
sdN=83.5
fwN=1.42
sdE=258.6
fwE=1.67
20190124T082138.0001.fits
SecZ=1.15
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.5 18.3
ALT/AZ=60.3 -152.1
fwAVG=1.48
sdW=79.8
fwW=1.23
sdS=150.7
fwS=1.60
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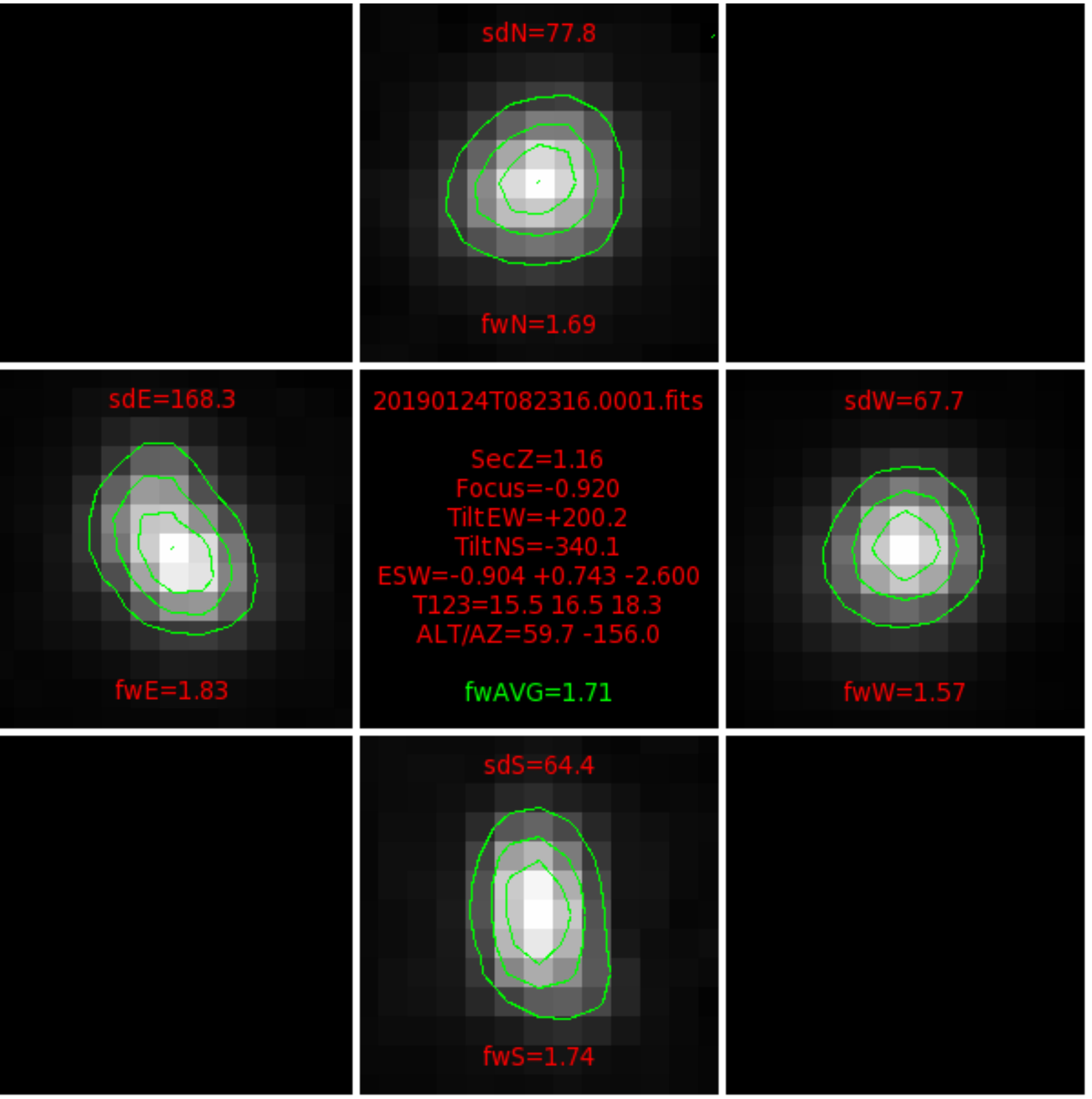
sdN=77.8
fwN=1.69
sdE=168.3
fwE=1.83
20190124T082316.0001.fits
SecZ=1.16
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.5 18.3
ALT/AZ=59.7 -156.0
fwAVG=1.71
sdW=67.7
fwW=1.57
sdS=64.4
fwS=1.74
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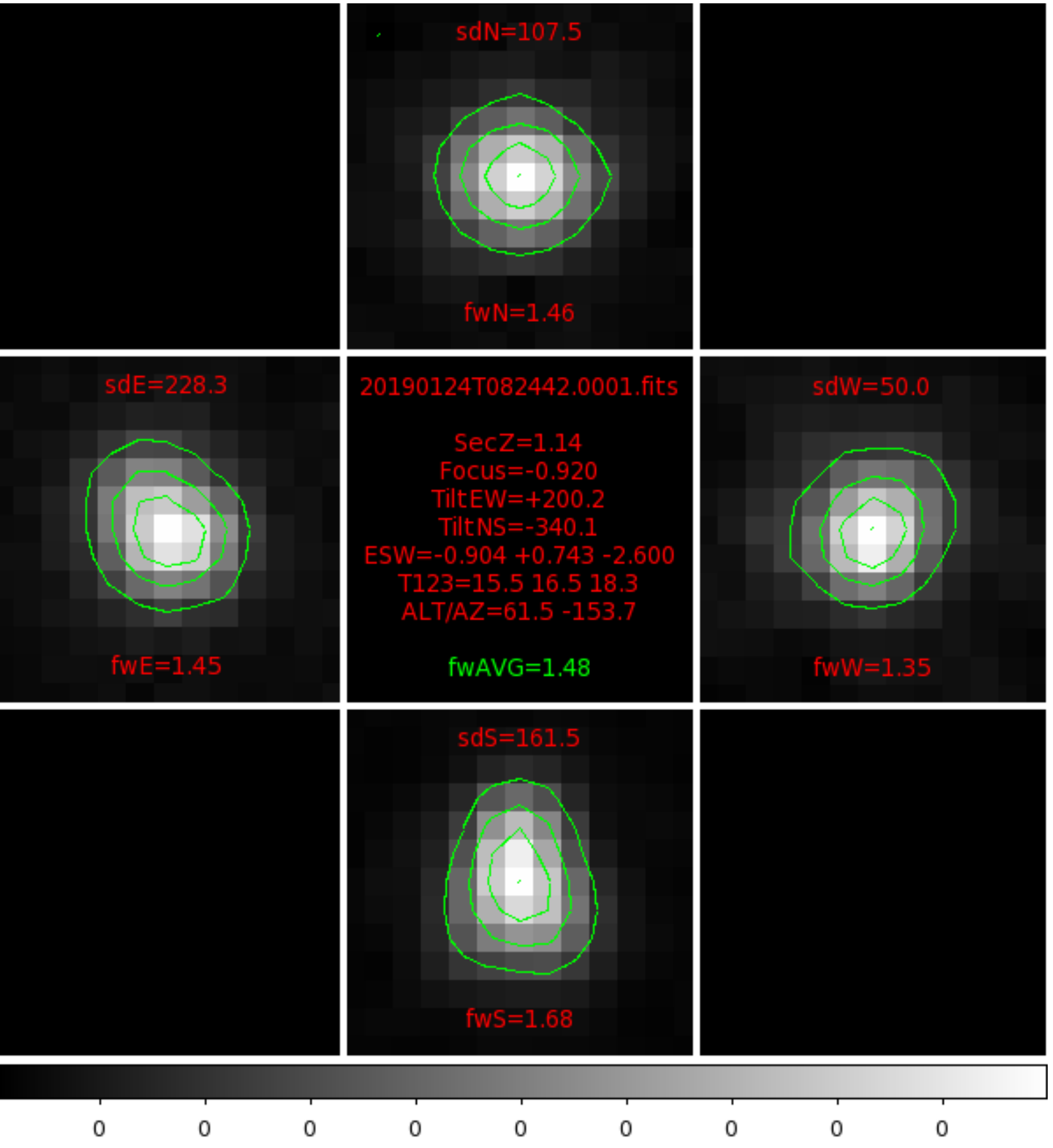
sdN=107.5
fwN=1.46
sdE=228.3
fwE=1.45
20190124T082442.0001.fits
SecZ=1.14
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.5 18.3
ALT/AZ=61.5 -153.7
fwAVG=1.48
sdW=50.0
fwW=1.35
sdS=161.5
fwS=1.68
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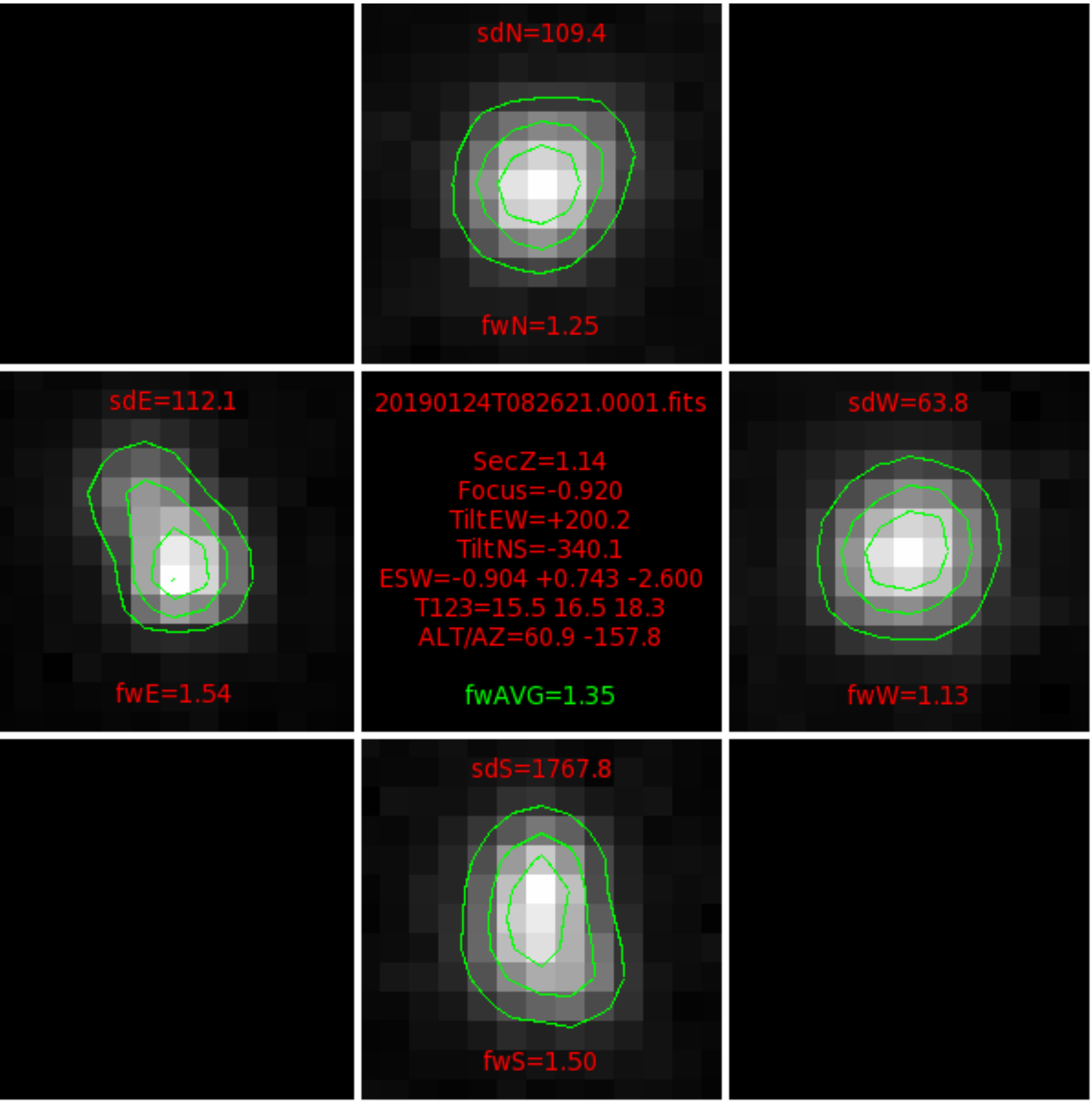
sdN=109.4
fwN=1.25
sdE=112.1
fwE=1.54
20190124T082621.0001.fits
SecZ=1.14
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.5 18.3
ALT/AZ=60.9 -157.8
fwAVG=1.35
sdW=63.8
fwW=1.13
sdS=1767.8
fwS=1.50
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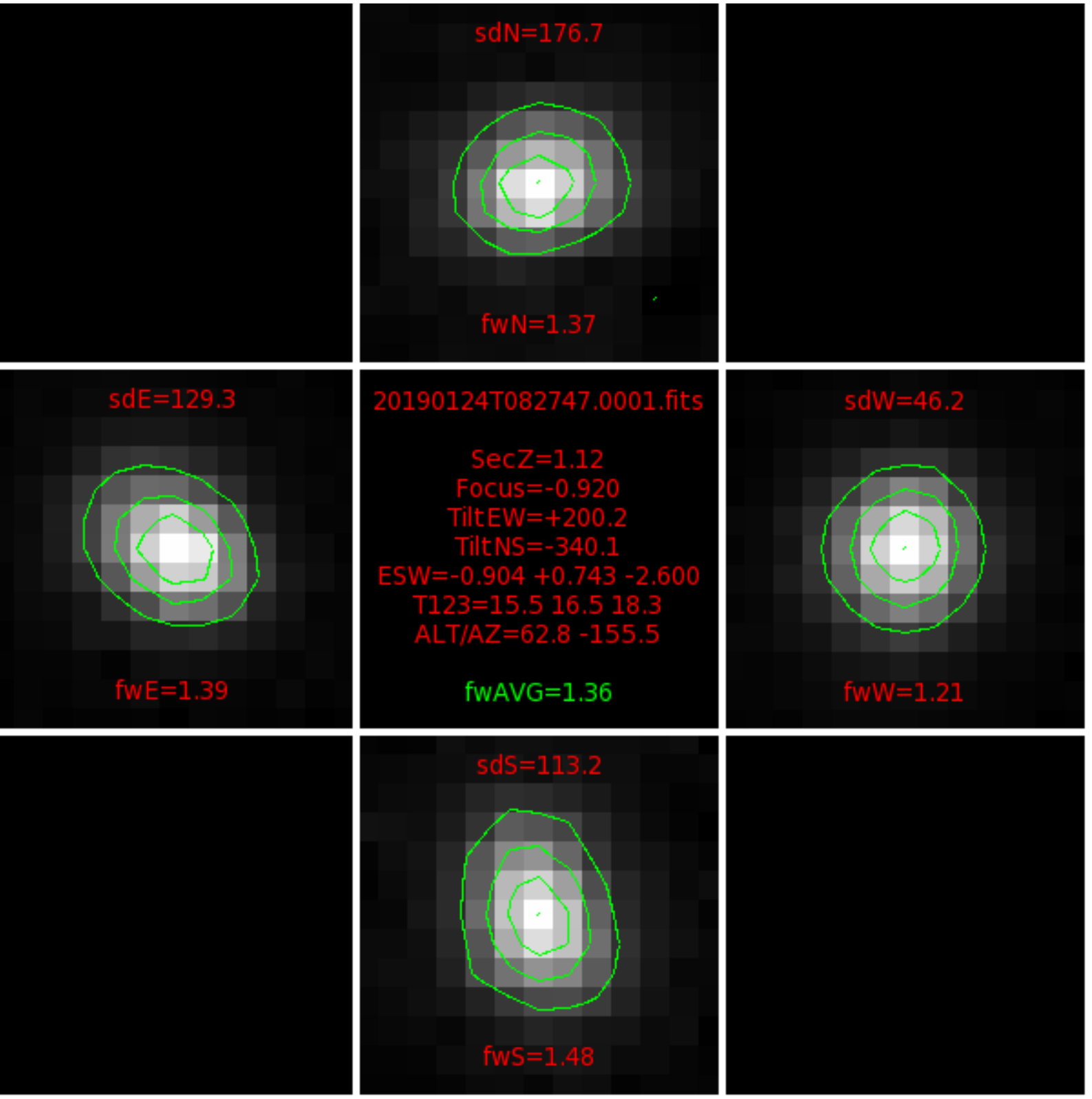
sdN=176.7
fwN=1.37
sdE=129.3
fwE=1.39
20190124T082747.0001.fits
SecZ=1.12
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.5 18.3
ALT/AZ=62.8 -155.5
fwAVG=1.36
sdW=46.2
fwW=1.21
sdS=113.2
fwS=1.48
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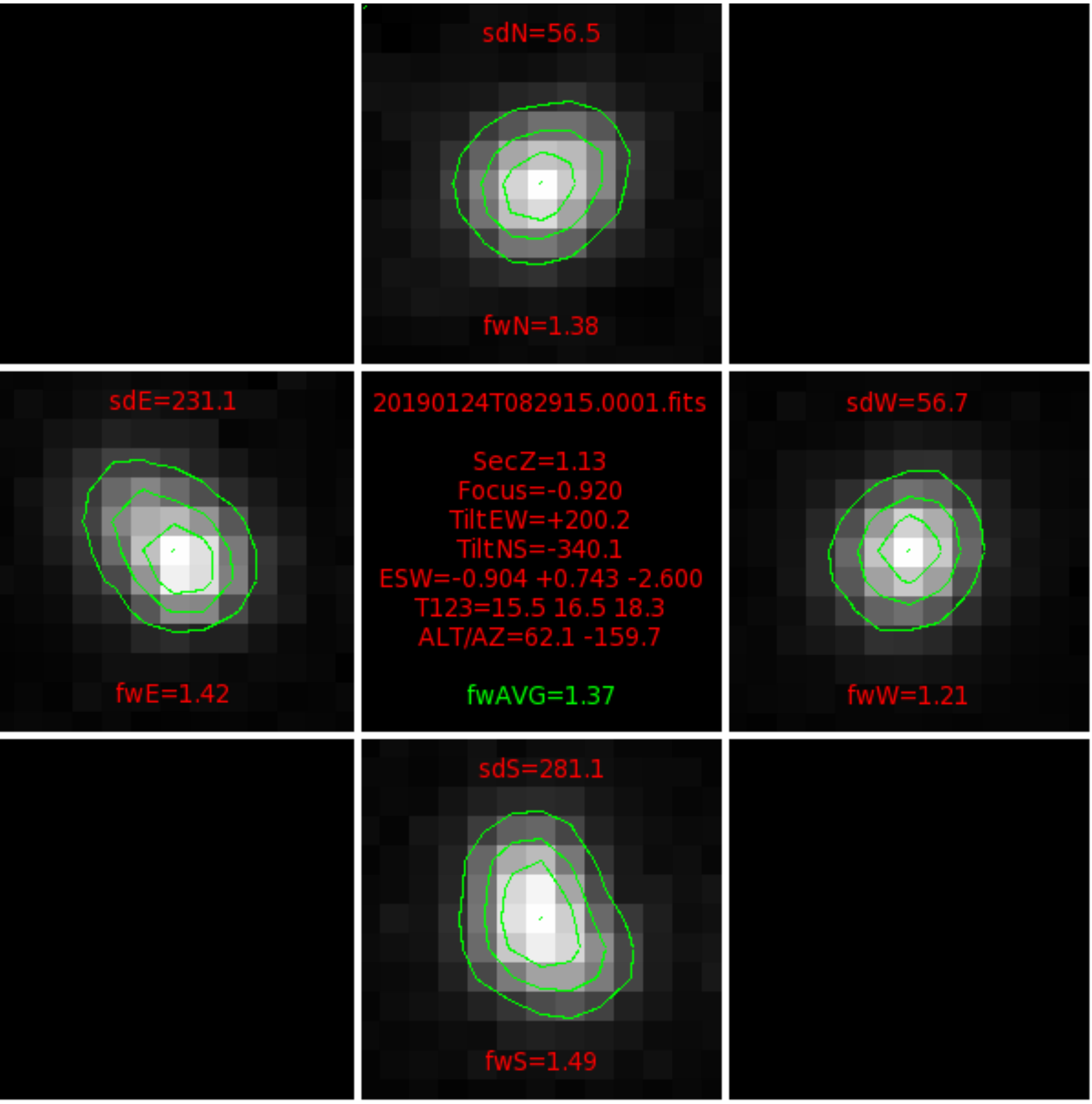
sdN=56.5
fwN=1.38
sdE=231.1
fwE=1.42
20190124T082915.0001.fits
SecZ=1.13
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.5 18.3
ALT/AZ=62.1 -159.7
fwAVG=1.37
sdW=56.7
fwW=1.21
sdS=281.1
fwS=1.49
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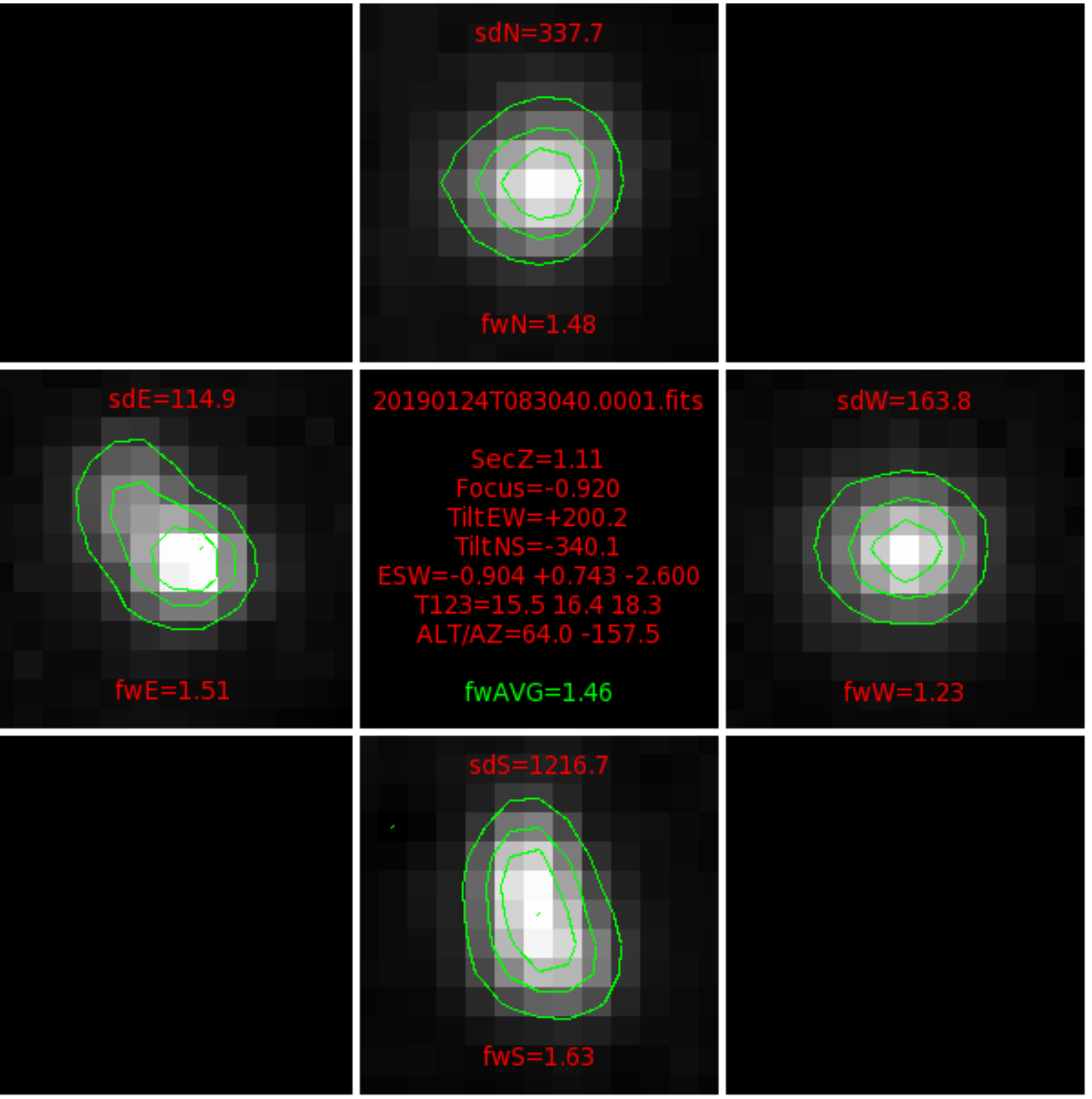
sdN=337.7
fwN=1.48
sdE=114.9
fwE=1.51
20190124T083040.0001.fits
SecZ=1.11
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.4 18.3
ALT/AZ=64.0 -157.5
fwAVG=1.46
sdW=163.8
fwW=1.23
sdS=1216.7
fwS=1.63
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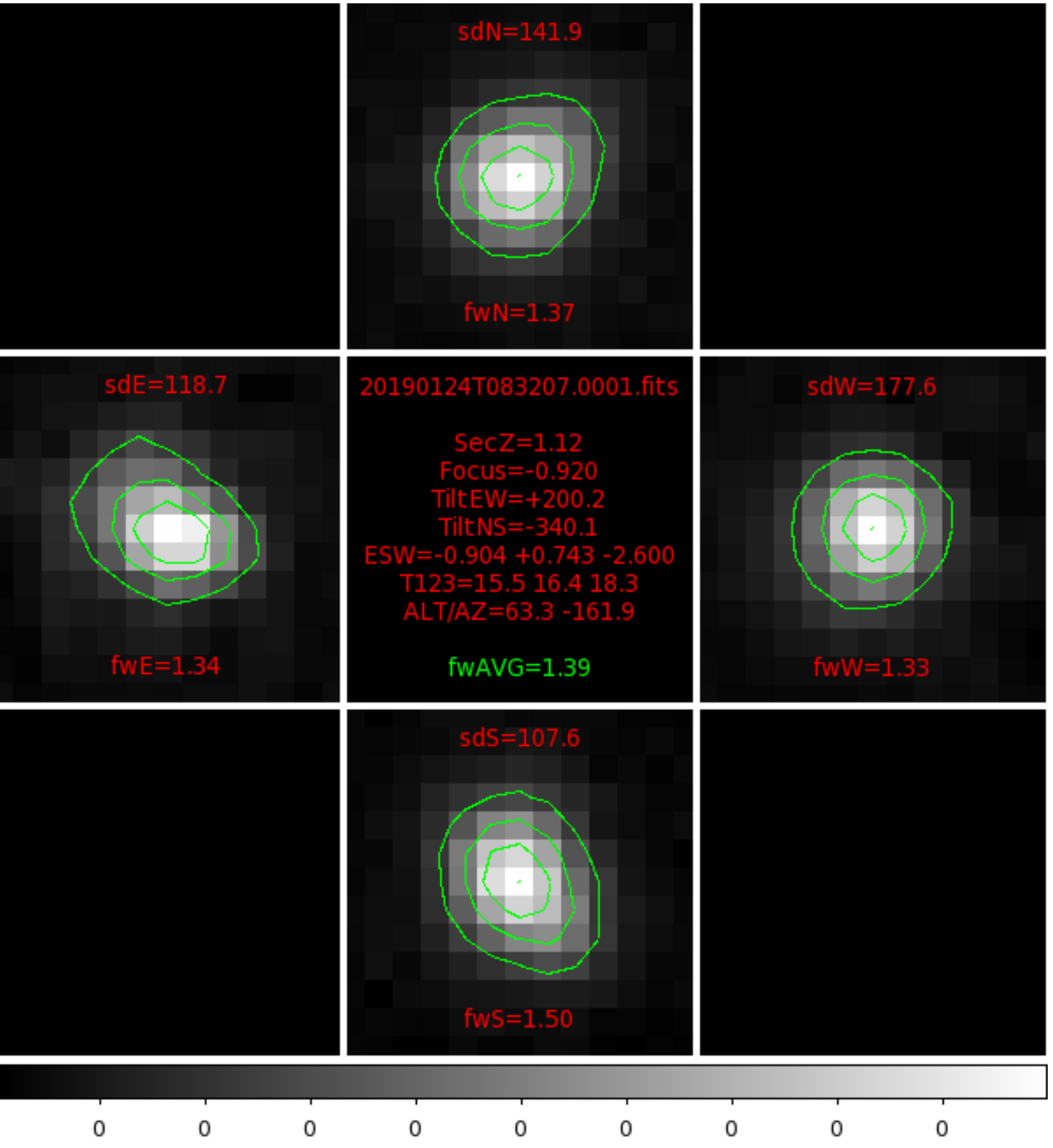
sdN=141.9
fwN=1.37
sdE=118.7
fwE=1.34
20190124T083207.0001.fits
SecZ=1.12
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.4 18.3
ALT/AZ=63.3 -161.9
fwAVG=1.39
sdW=177.6
fwW=1.33
sdS=107.6
fwS=1.50
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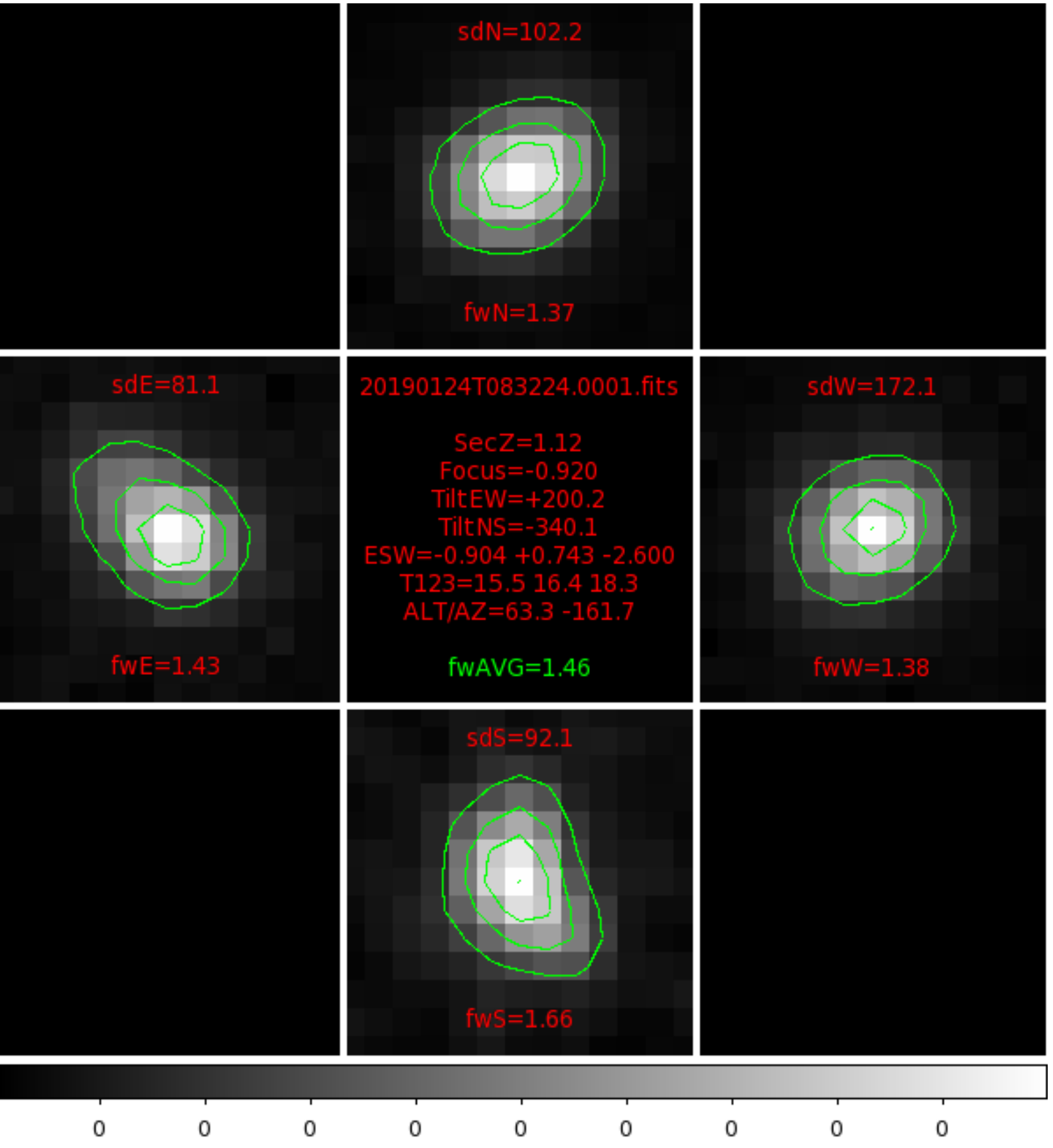
sdN=102.2
fwN=1.37
sdE=81.1
fwE=1.43
20190124T083224.0001.fits
SecZ=1.12
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.4 18.3
ALT/AZ=63.3 -161.7
fwAVG=1.46
sdW=172.1
fwW=1.38
sdS=92.1
fwS=1.66
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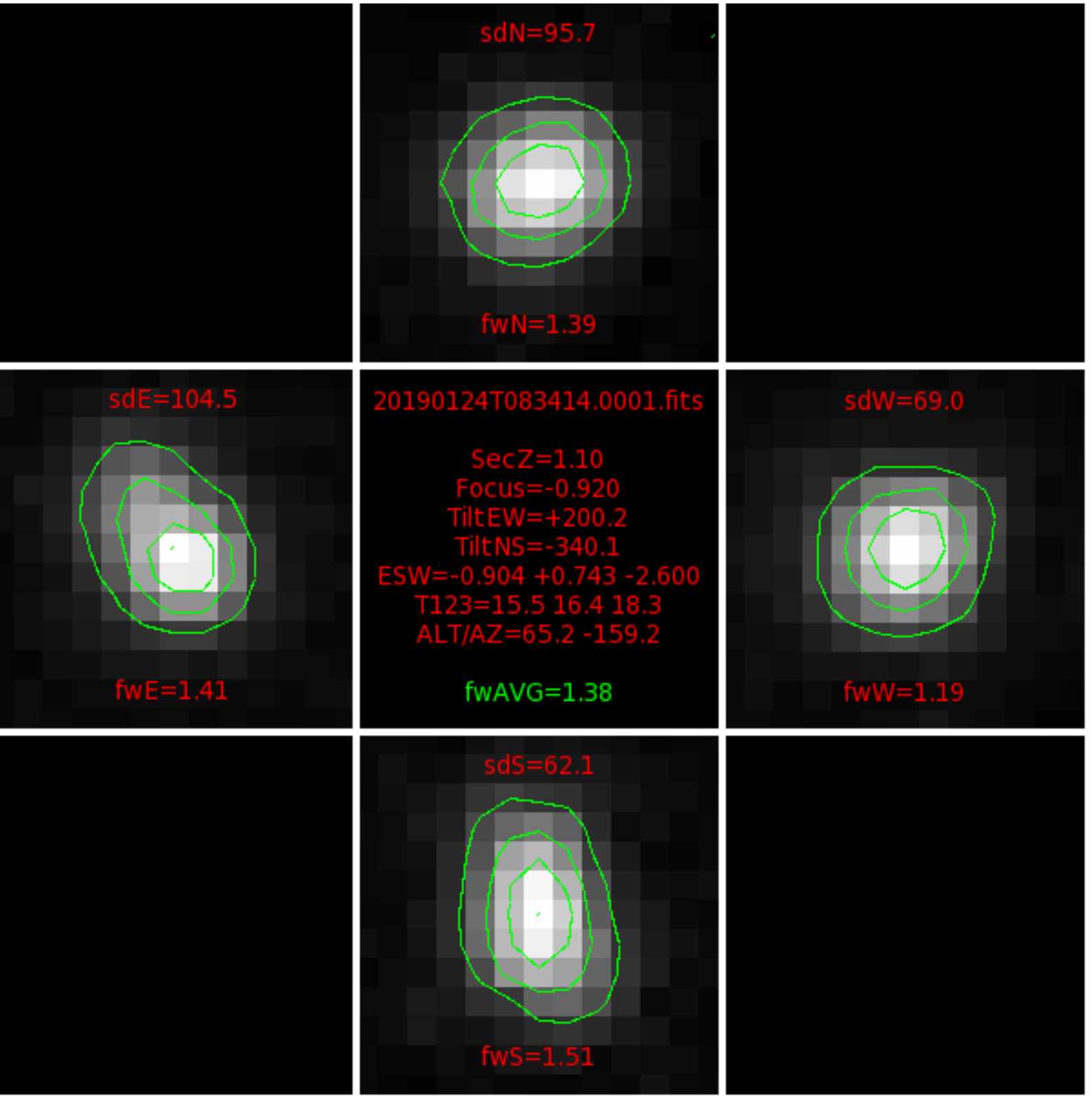
sdN=95.7
fwN=1.39
sdE=104.5
fwE=1.41
20190124T083414.0001.fits
SecZ=1.10
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.4 18.3
ALT/AZ=65.2 -159.2
fwAVG=1.38
sdW=69.0
fwW=1.19
sdS=62.1
fwS=1.51
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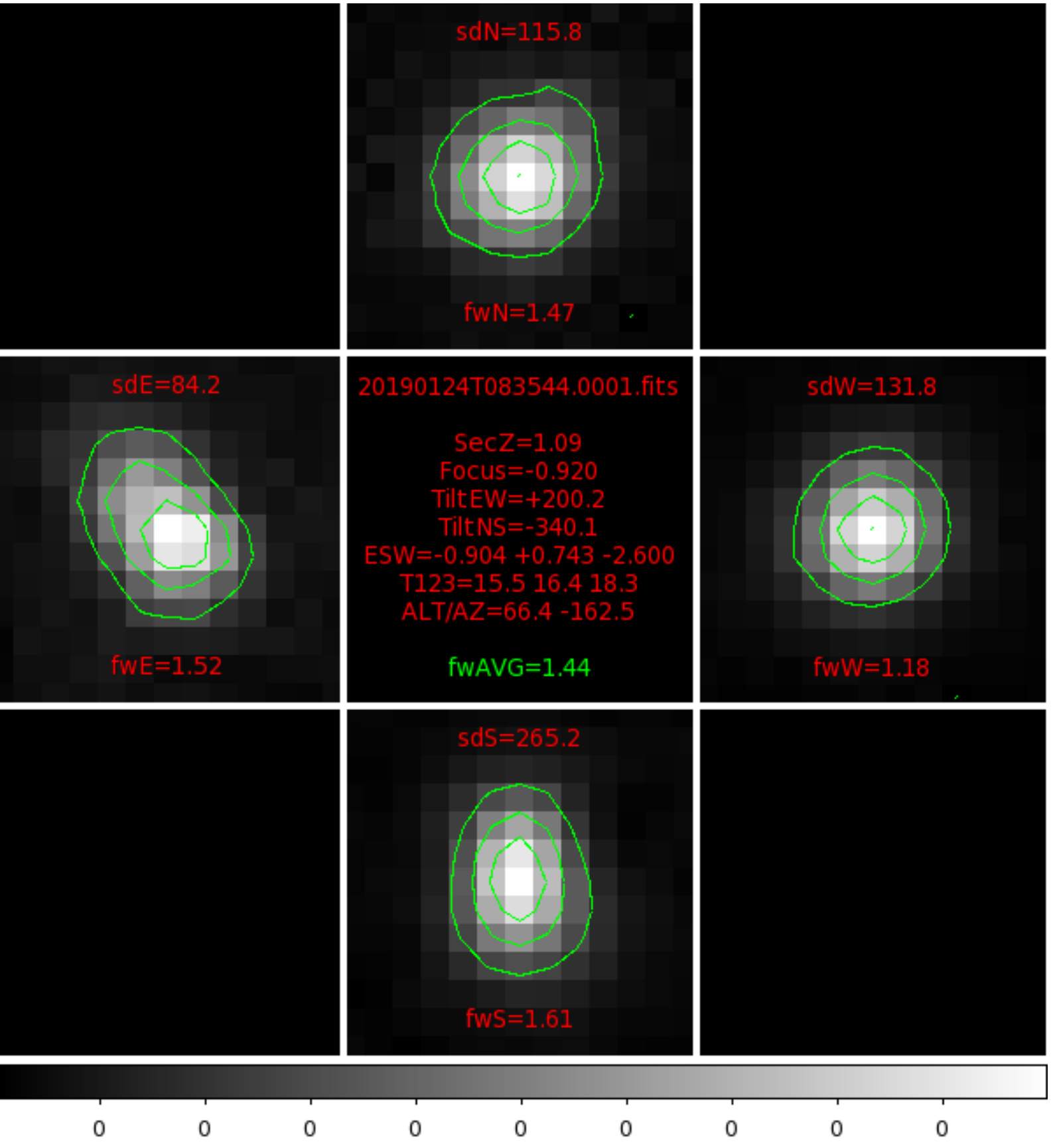
sdN=115.8
fwN=1.47
sdE=84.2
fwE=1.52
20190124T083544.0001.fits
SecZ=1.09
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.4 18.3
ALT/AZ=66.4 -162.5
fwAVG=1.44
sdW=131.8
fwW=1.18
sdS=265.2
fwS=1.61
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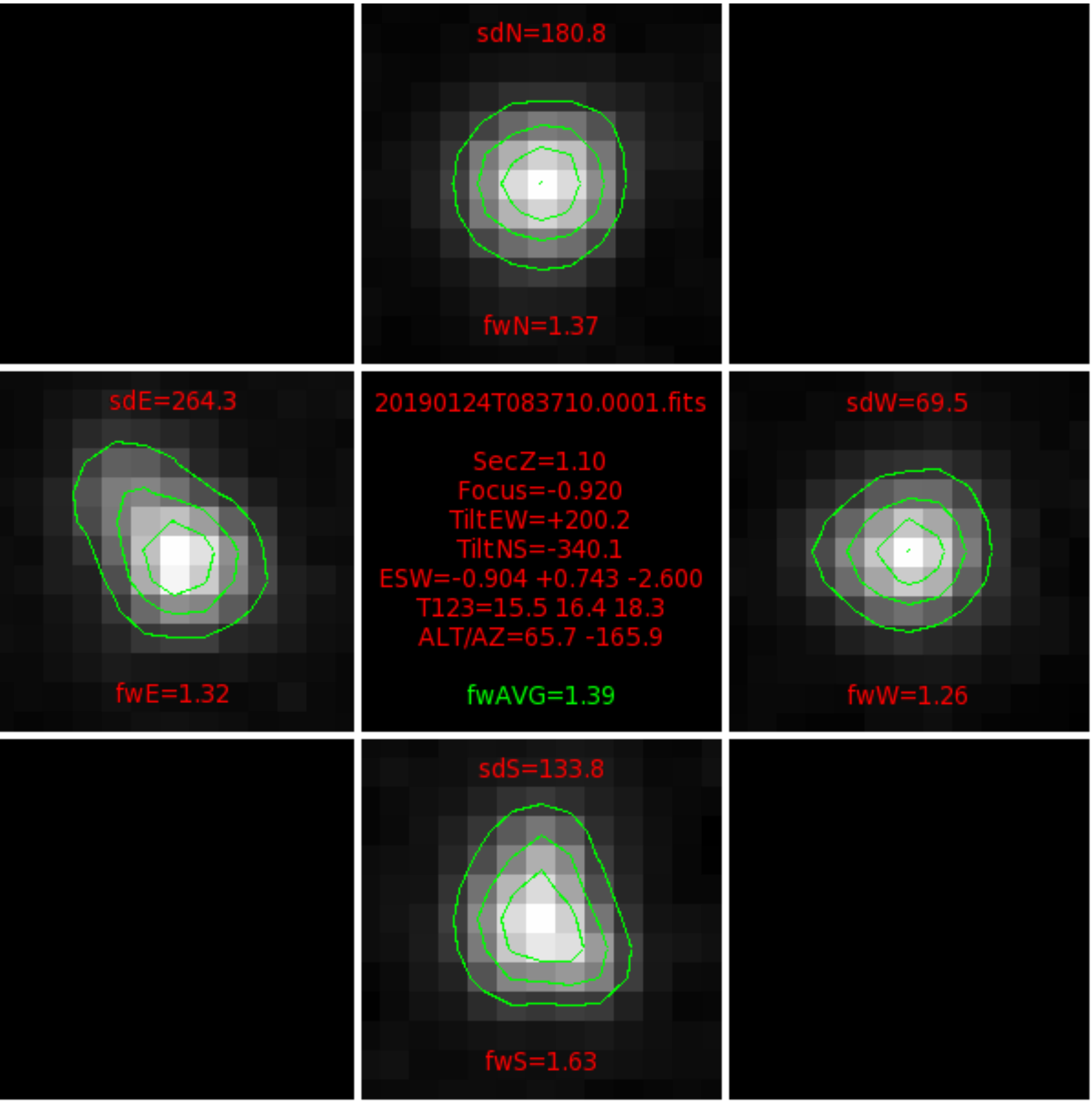
sdN=180.8
fwN=1.37
sdE=264.3
fwE=1.32
20190124T083710.0001.fits
SecZ=1.10
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.4 18.3
ALT/AZ=65.7 -165.9
fwAVG=1.39
sdW=69.5
fwW=1.26
sdS=133.8
fwS=1.63
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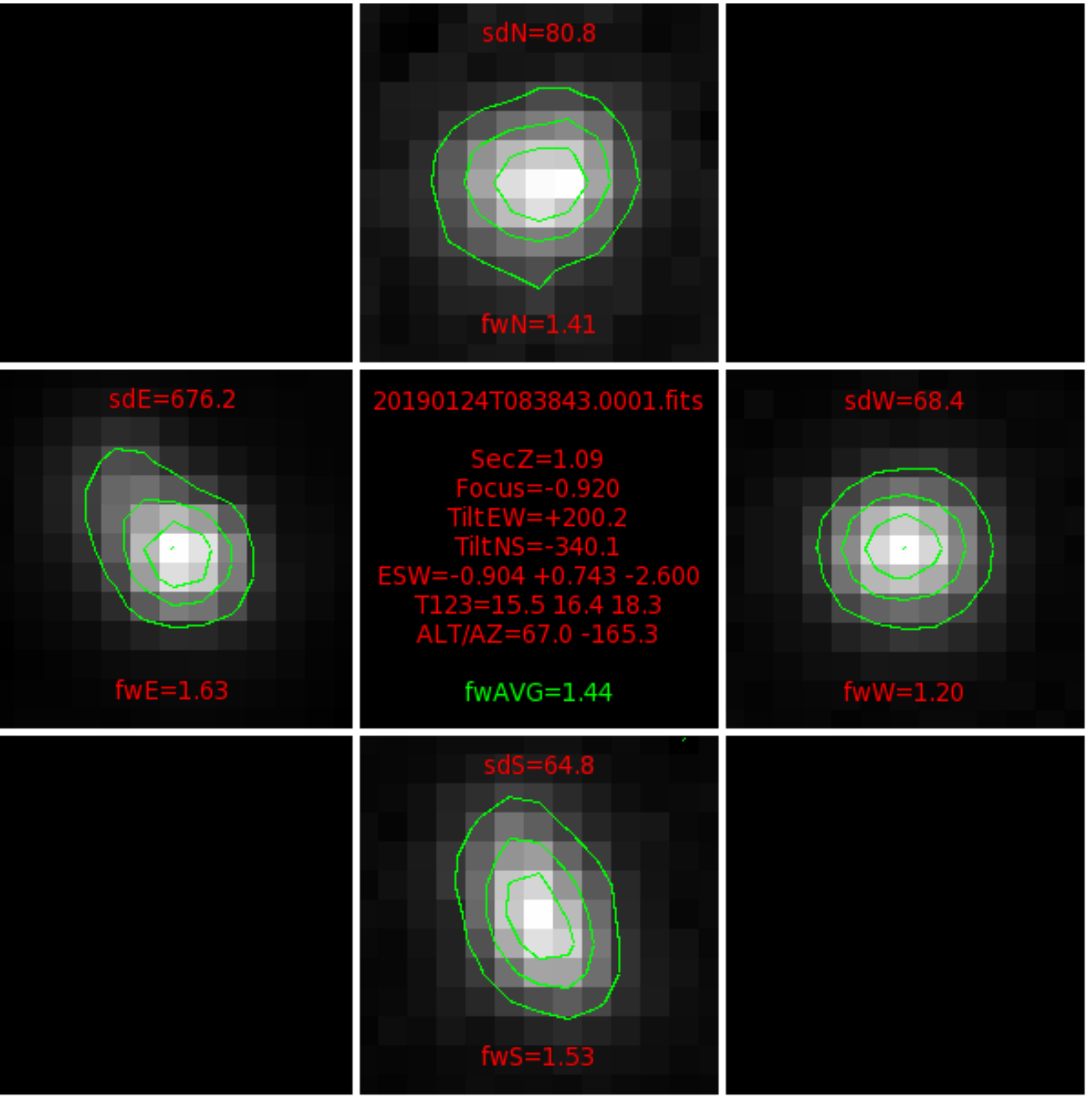
sdN=80.8
fwN=1.41
sdE=676.2
fwE=1.63
20190124T083843.0001.fits
SecZ=1.09
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.4 18.3
ALT/AZ=67.0 -165.3
fwAVG=1.44
sdW=68.4
fwW=1.20
sdS=64.8
fwS=1.53
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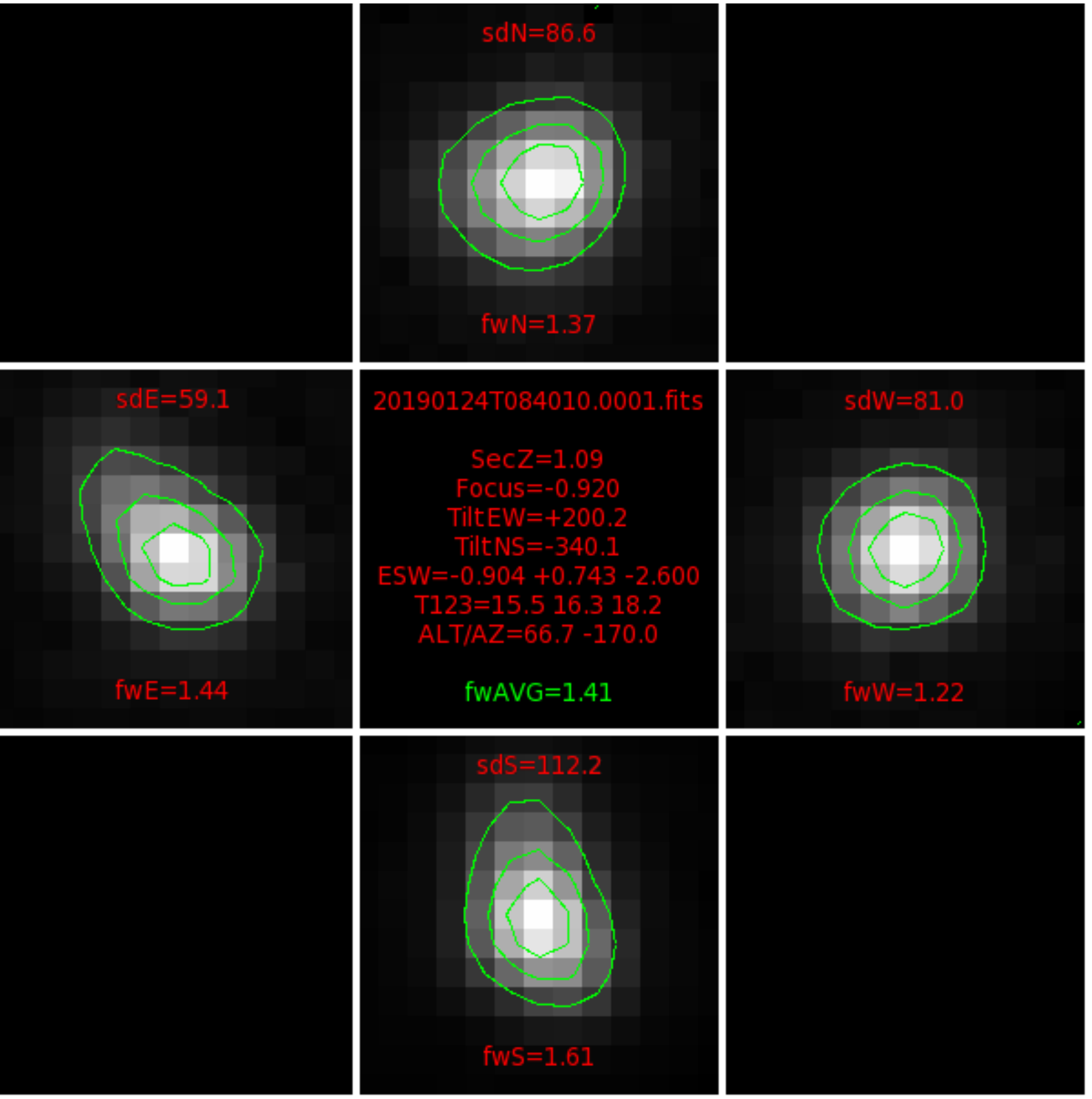
sdN=86.6
fwN=1.37
sdE=59.1
fwE=1.44
20190124T084010.0001.fits
SecZ=1.09
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.3 18.2
ALT/AZ=66.7 -170.0
fwAVG=1.41
sdW=81.0
fwW=1.22
sdS=112.2
fwS=1.61
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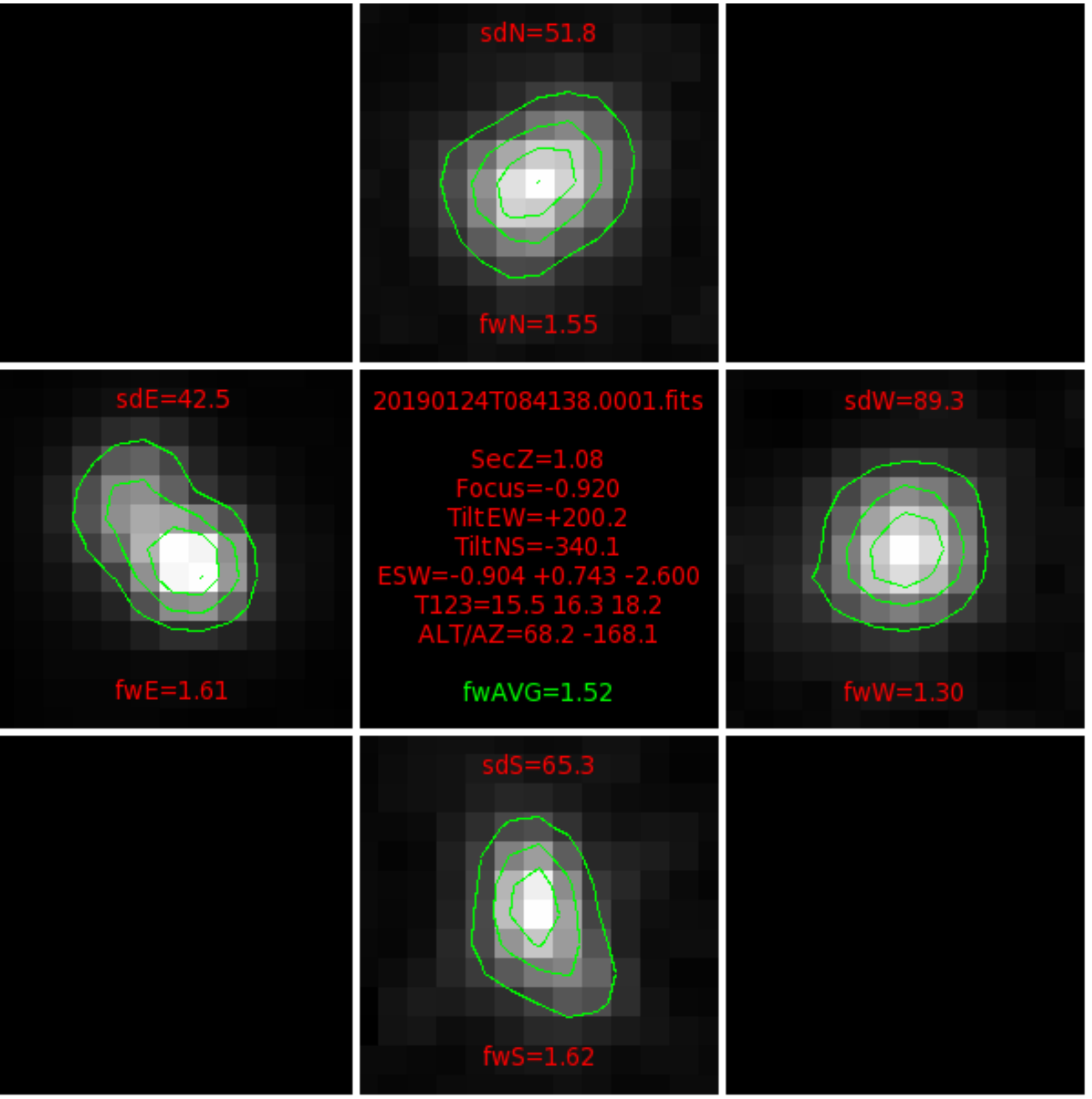
sdN=51.8
fwN=1.55
sdE=42.5
fwE=1.61
20190124T084138.0001.fits
SecZ=1.08
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.3 18.2
ALT/AZ=68.2 -168.1
fwAVG=1.52
sdW=89.3
fwW=1.30
sdS=65.3
fwS=1.62
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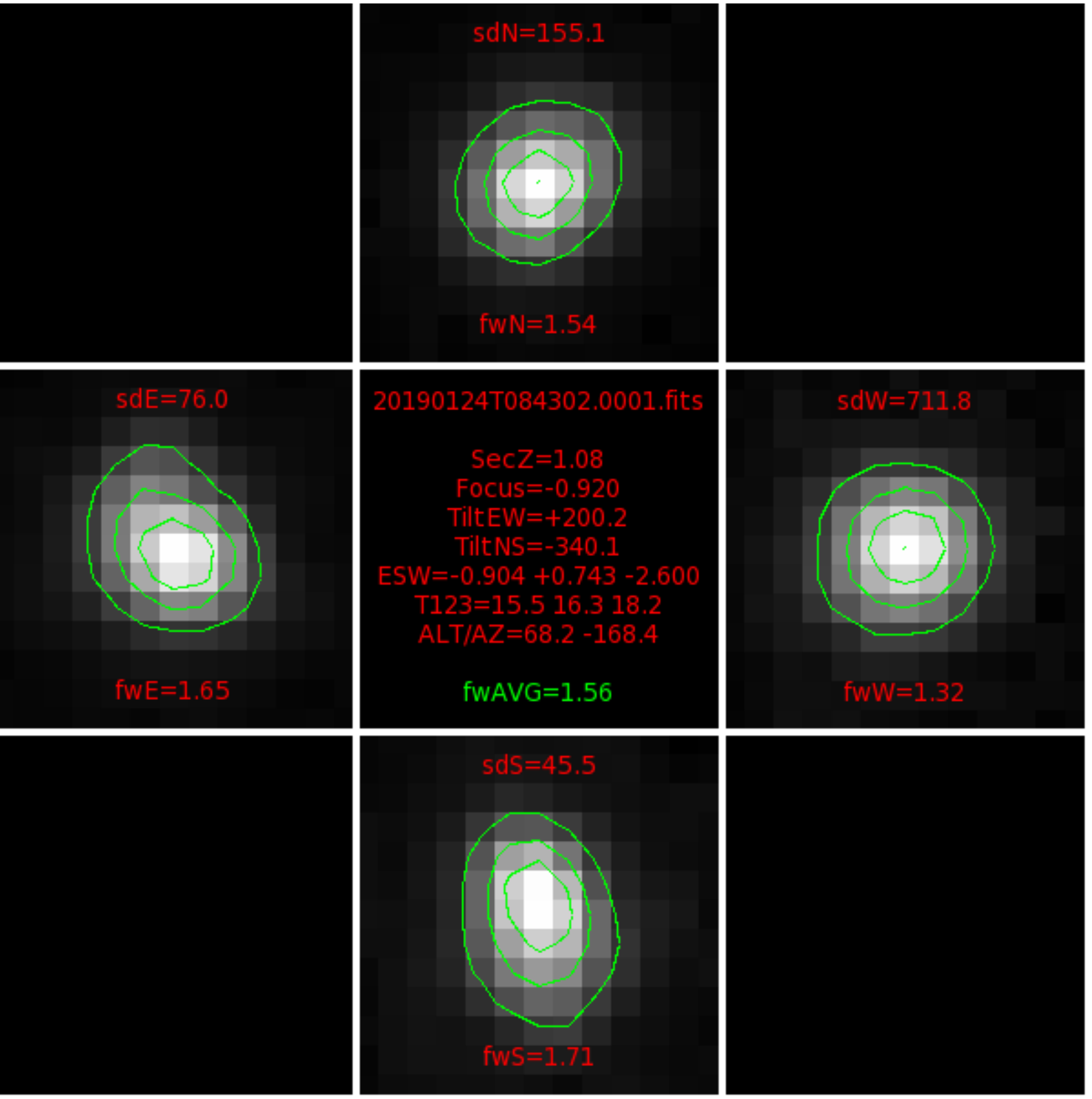
sdN=155.1
fwN=1.54
sdE=76.0
fwE=1.65
20190124T084302.0001.fits
SecZ=1.08
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.3 18.2
ALT/AZ=68.2 -168.4
fwAVG=1.56
sdW=711.8
fwW=1.32
sdS=45.5
fwS=1.71
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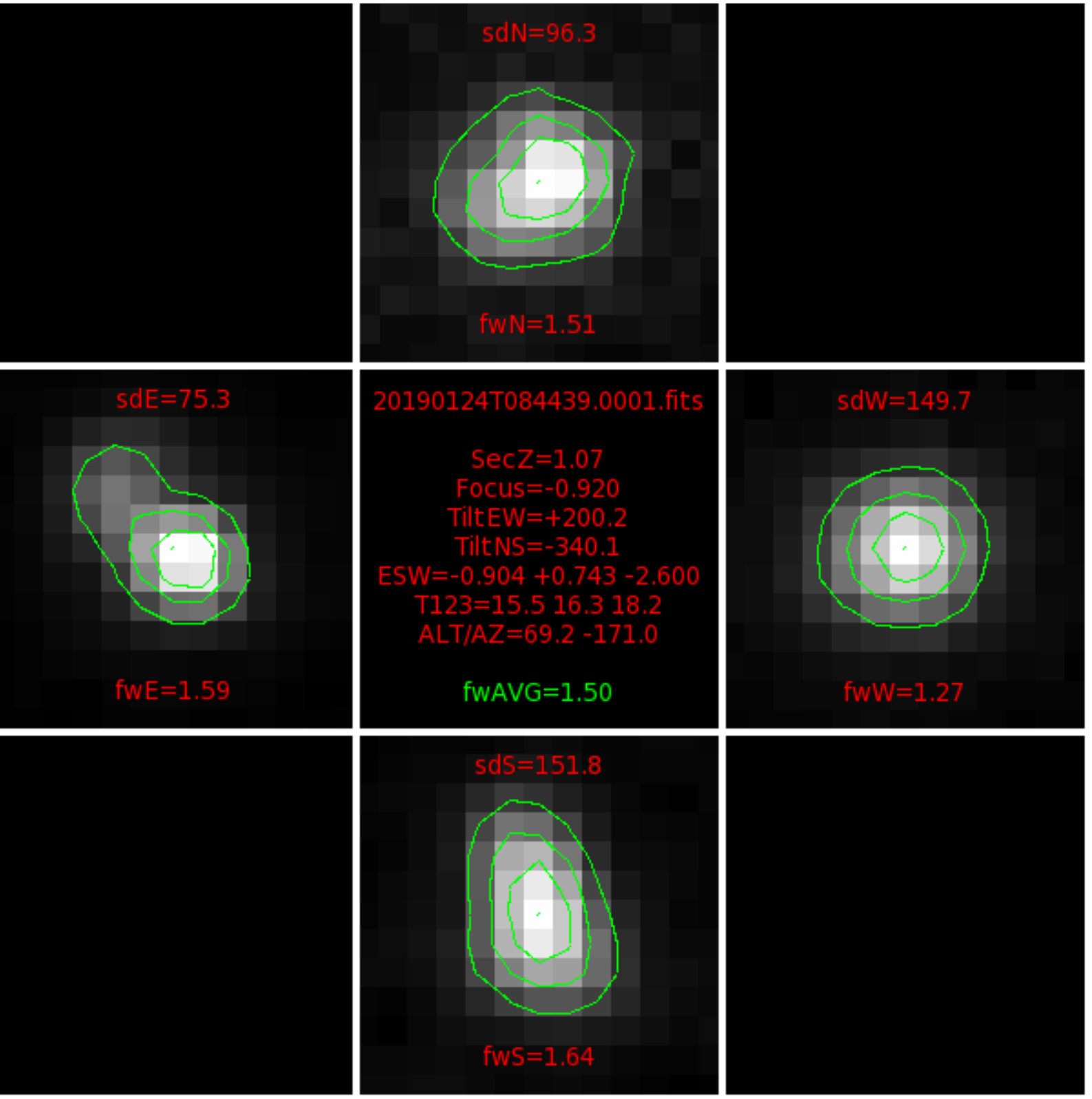
sdN=96.3
fwN=1.51
sdE=75.3
fwE=1.59
20190124T084439.0001.fits
SecZ=1.07
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.3 18.2
ALT/AZ=69.2 -171.0
fwAVG=1.50
sdW=149.7
fwW=1.27
sdS=151.8
fwS=1.64
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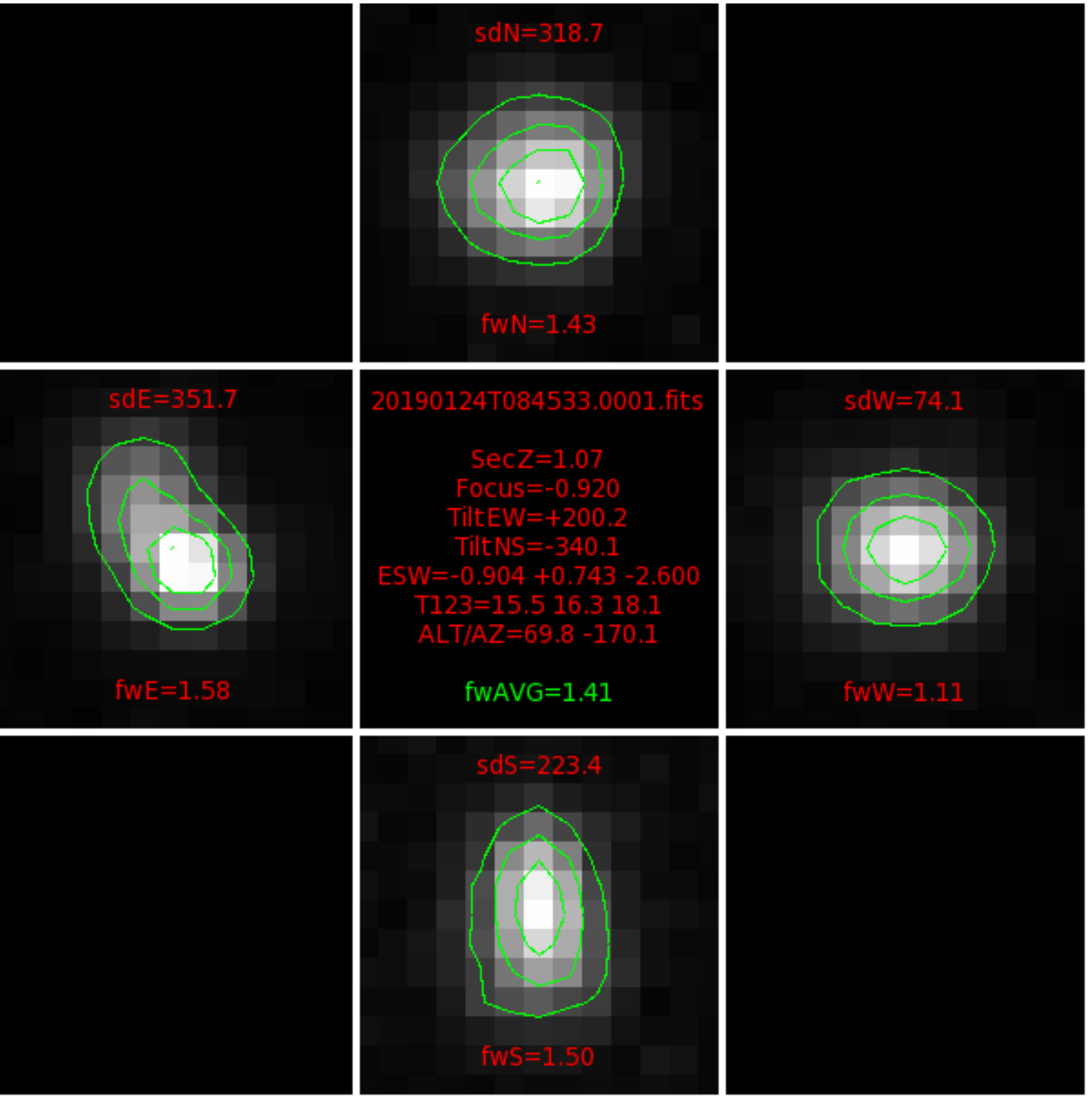
sdN=318.7
fwN=1.43
sdE=351.7
fwE=1.58
20190124T084533.0001.fits
SecZ=1.07
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.3 18.1
ALT/AZ=69.8 -170.1
fwAVG=1.41
sdW=74.1
fwW=1.11
sdS=223.4
fwS=1.50
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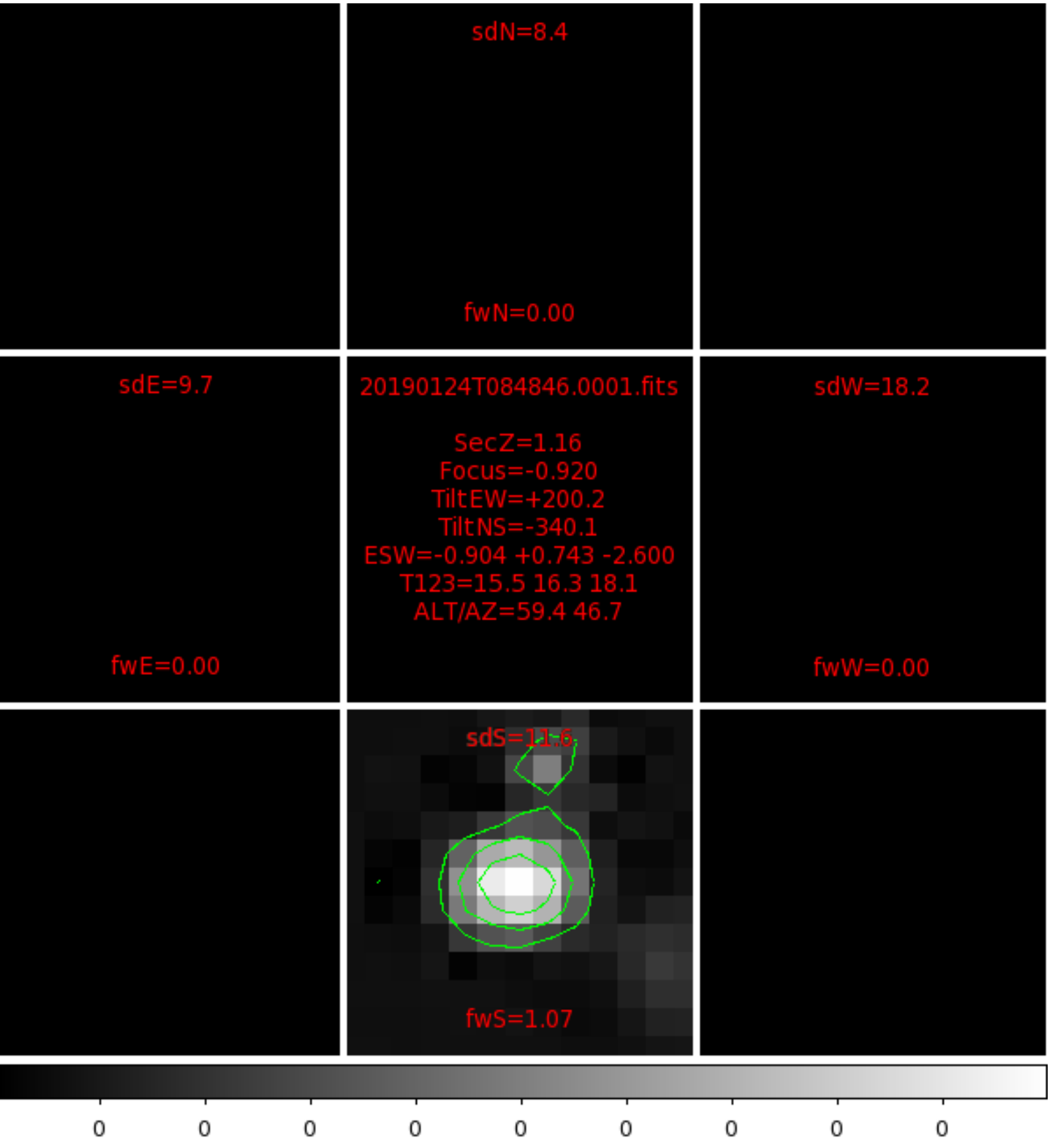
sdN=8.4
fwN=0.00
sdE=9.7
20190124T084846.0001.fits
SecZ=1.16
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.3 18.1
ALT/AZ=59.4 46.7
sdW=18.2
fwE=0.00
fwW=0.00
sdS=11.6
fwS=1.07
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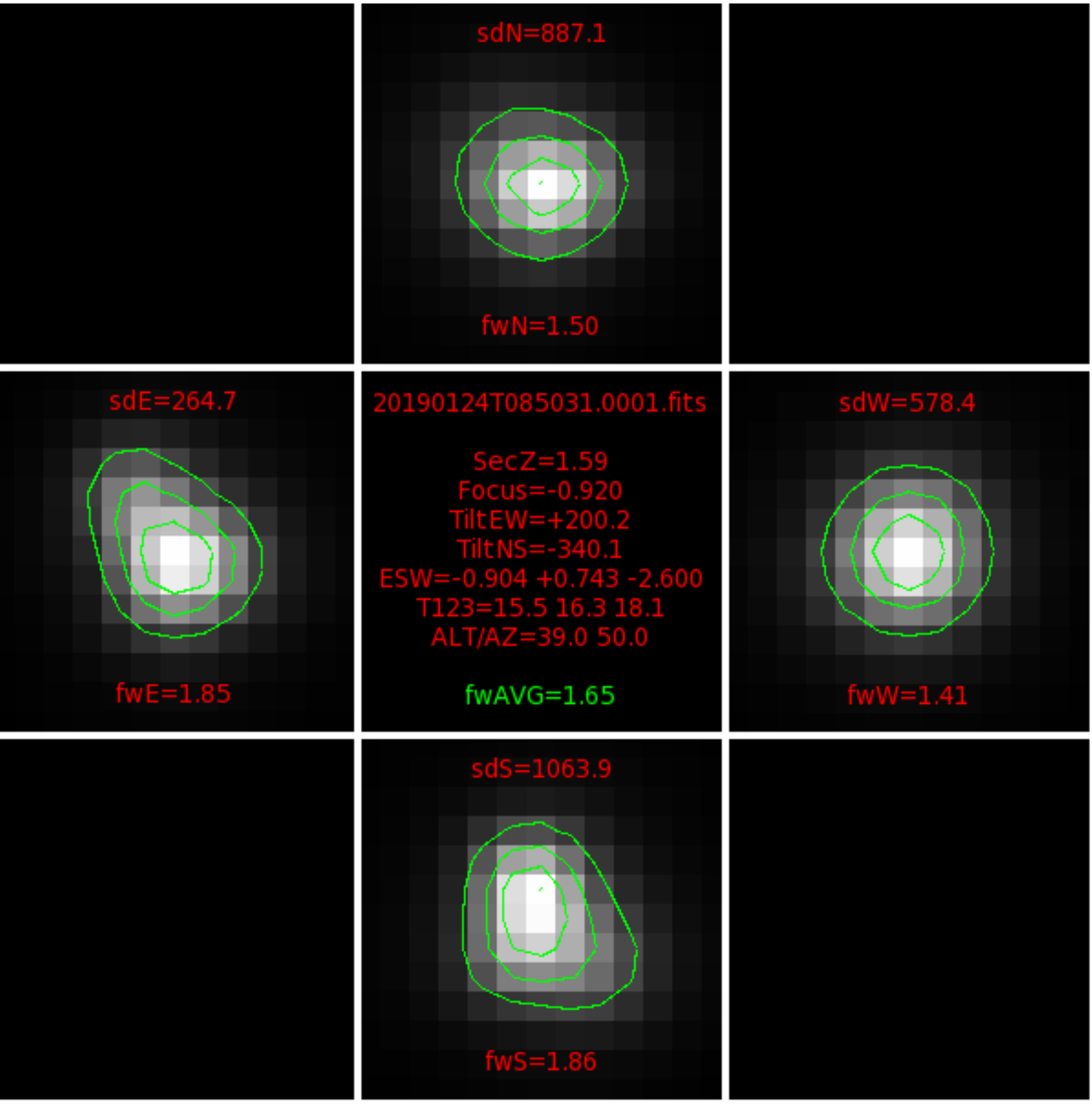
sdN=887.1
fwN=1.50
sdE=264.7
fwE=1.85
20190124T085031.0001.fits
SecZ=1.59
Focus=-0.920
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.904 +0.743 -2.600
T123=15.5 16.3 18.1
ALT/AZ=39.0 50.0
fwAVG=1.65
sdW=578.4
fwW=1.41
sdS=1063.9
fwS=1.86
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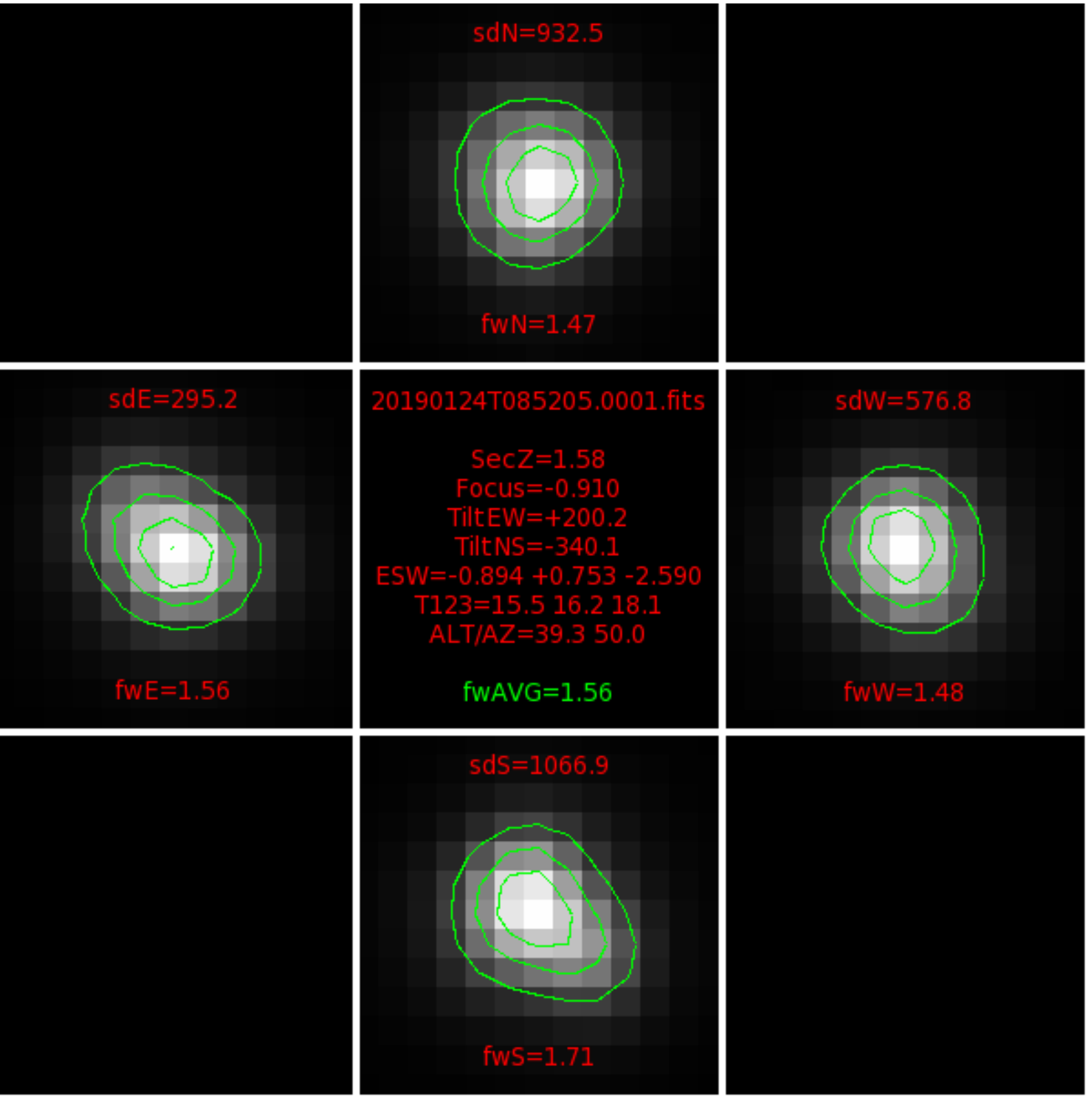
sdN=932.5
fwN=1.47
sdE=295.2
fwE=1.56
20190124T085205.0001.fits
SecZ=1.58
Focus=-0.910
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.894 +0.753 -2.590
T123=15.5 16.2 18.1
ALT/AZ=39.3 50.0
fwAVG=1.56
sdW=576.8
fwW=1.48
sdS=1066.9
fwS=1.71
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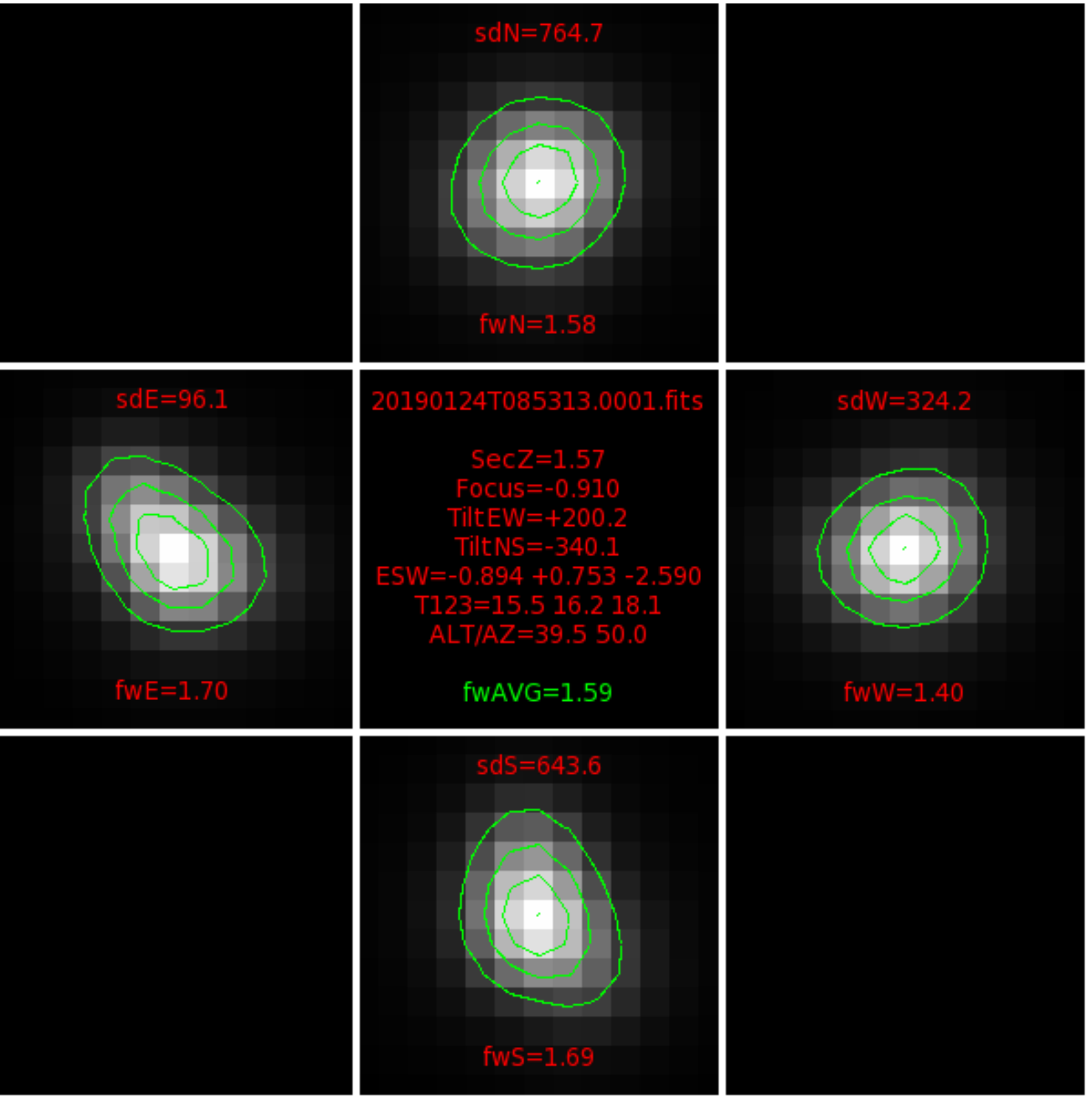
sdN=764.7
fwN=1.58
sdE=96.1
fwE=1.70
20190124T085313.0001.fits
SecZ=1.57
Focus=-0.910
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.894 +0.753 -2.590
T123=15.5 16.2 18.1
ALT/AZ=39.5 50.0
fwAVG=1.59
sdW=324.2
fwW=1.40
sdS=643.6
fwS=1.69
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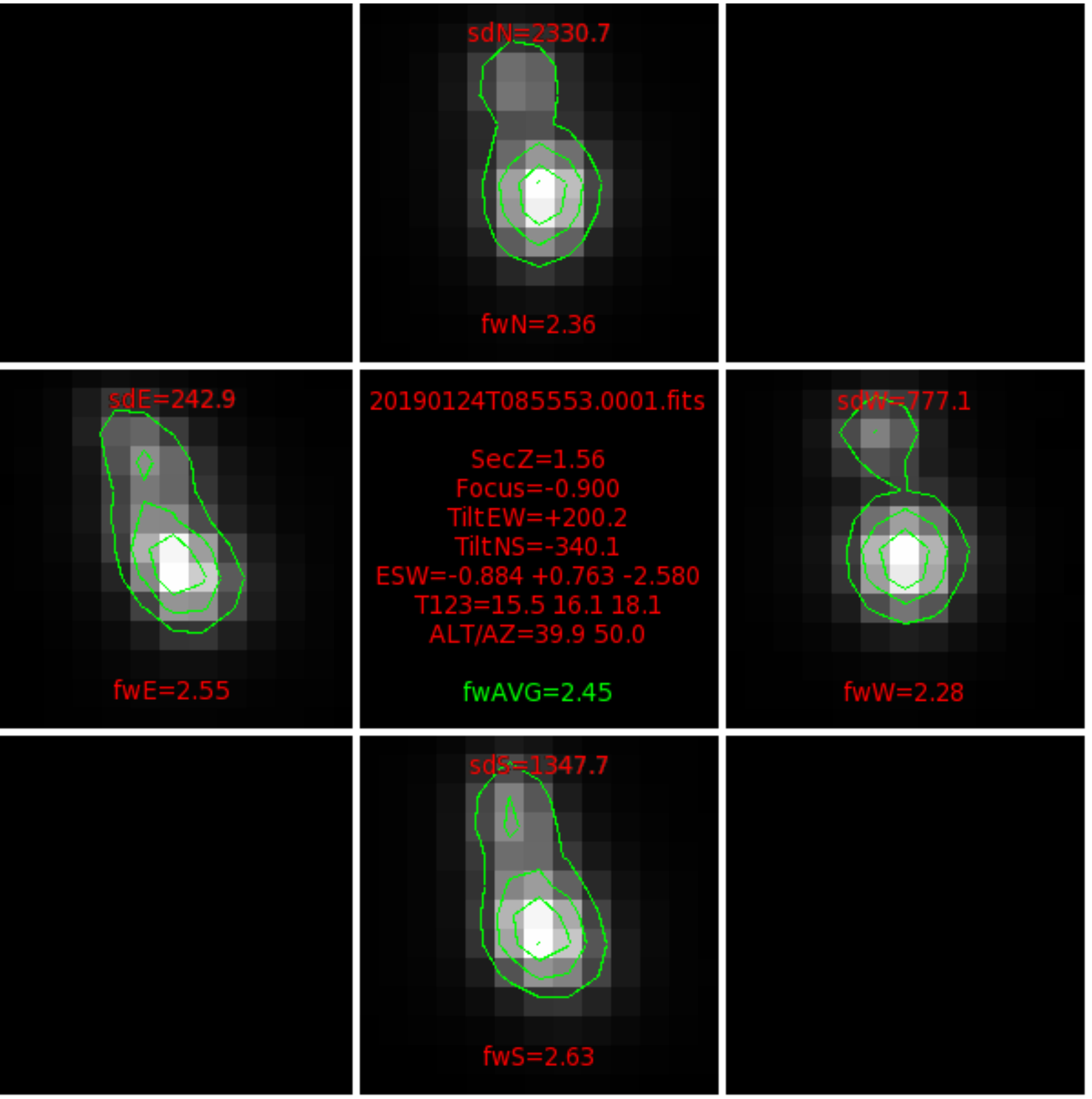
sdN=2330.7
fwN=2.36
sdE=242.9
fwE=2.55
20190124T085553.0001.fits
SecZ=1.56
Focus=-0.900
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.884 +0.763 -2.580
T123=15.5 16.1 18.1
ALT/AZ=39.9 50.0
fwAVG=2.45
sdW=777.1
fwW=2.28
sdS=1347.7
fwS=2.63
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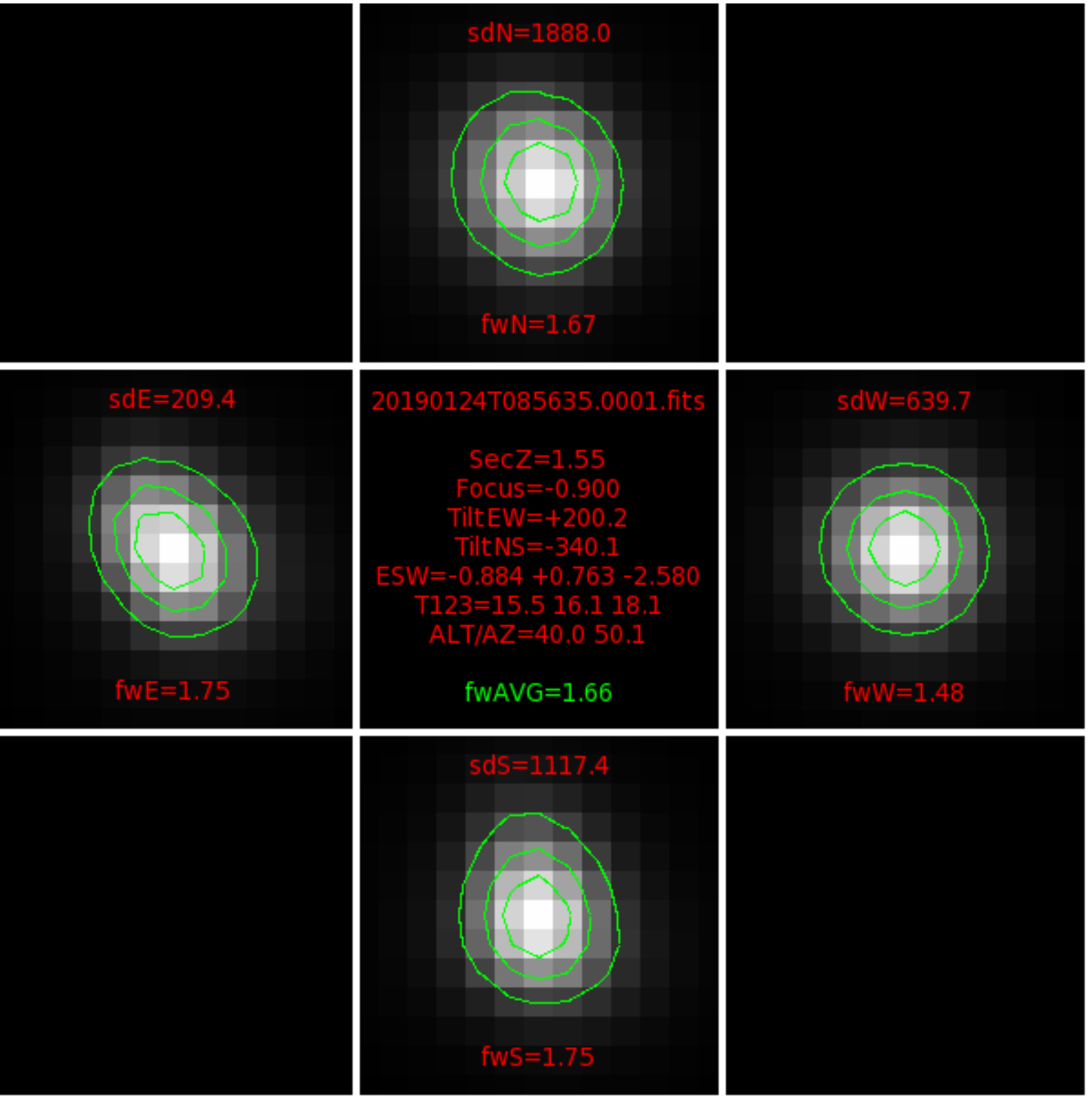
sdN=1888.0
fwN=1.67
sdE=209.4
fwE=1.75
20190124T085635.0001.fits
SecZ=1.55
Focus=-0.900
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.884 +0.763 -2.580
T123=15.5 16.1 18.1
ALT/AZ=40.0 50.1
fwAVG=1.66
sdW=639.7
fwW=1.48
sdS=1117.4
fwS=1.75
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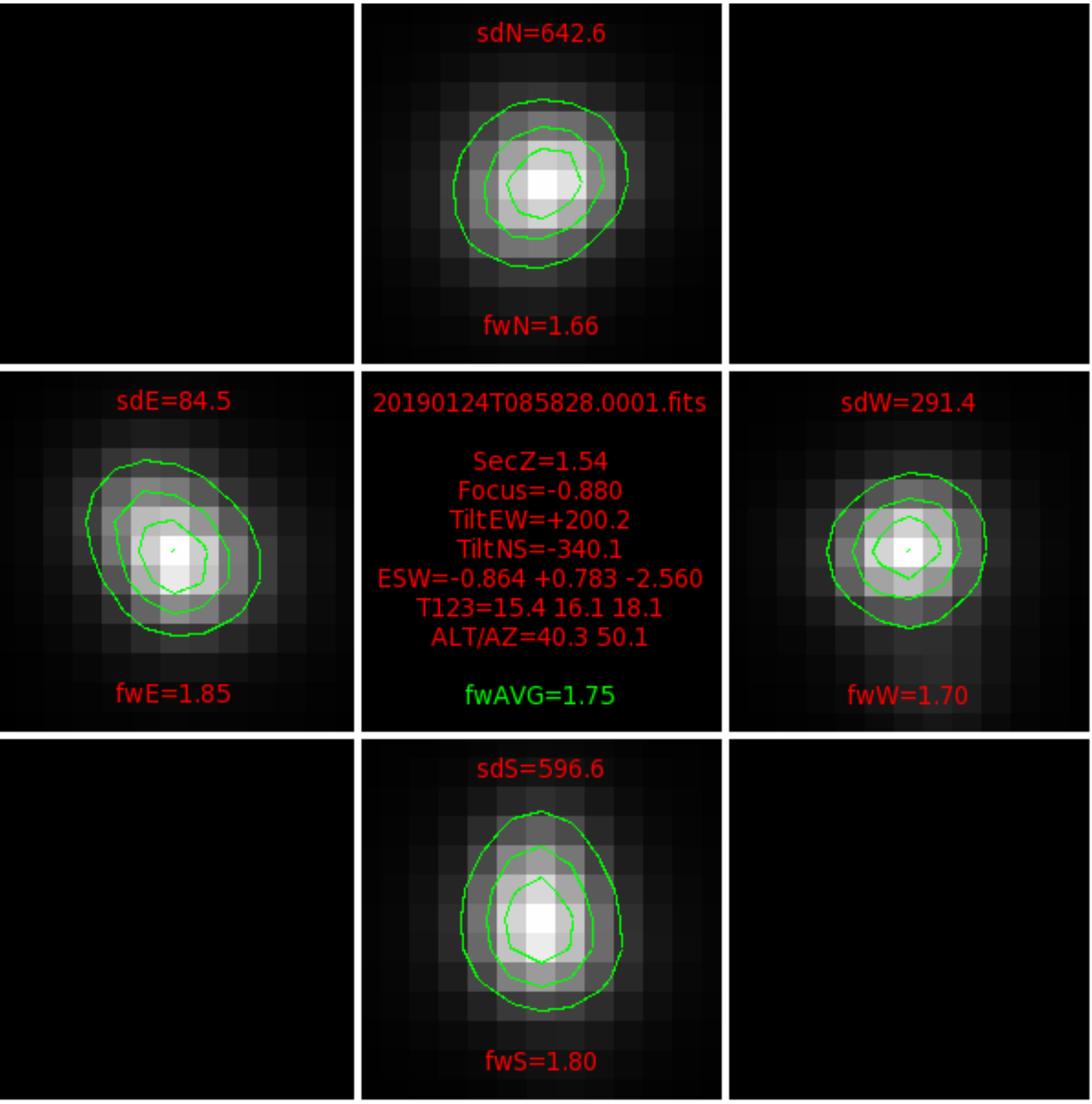
sdN=642.6
fwN=1.66
sdE=84.5
fwE=1.85
20190124T085828.0001.fits
SecZ=1.54
Focus=-0.880
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.864 +0.783 -2.560
T123=15.4 16.1 18.1
ALT/AZ=40.3 50.1
fwAVG=1.75
sdW=291.4
fwW=1.70
sdS=596.6
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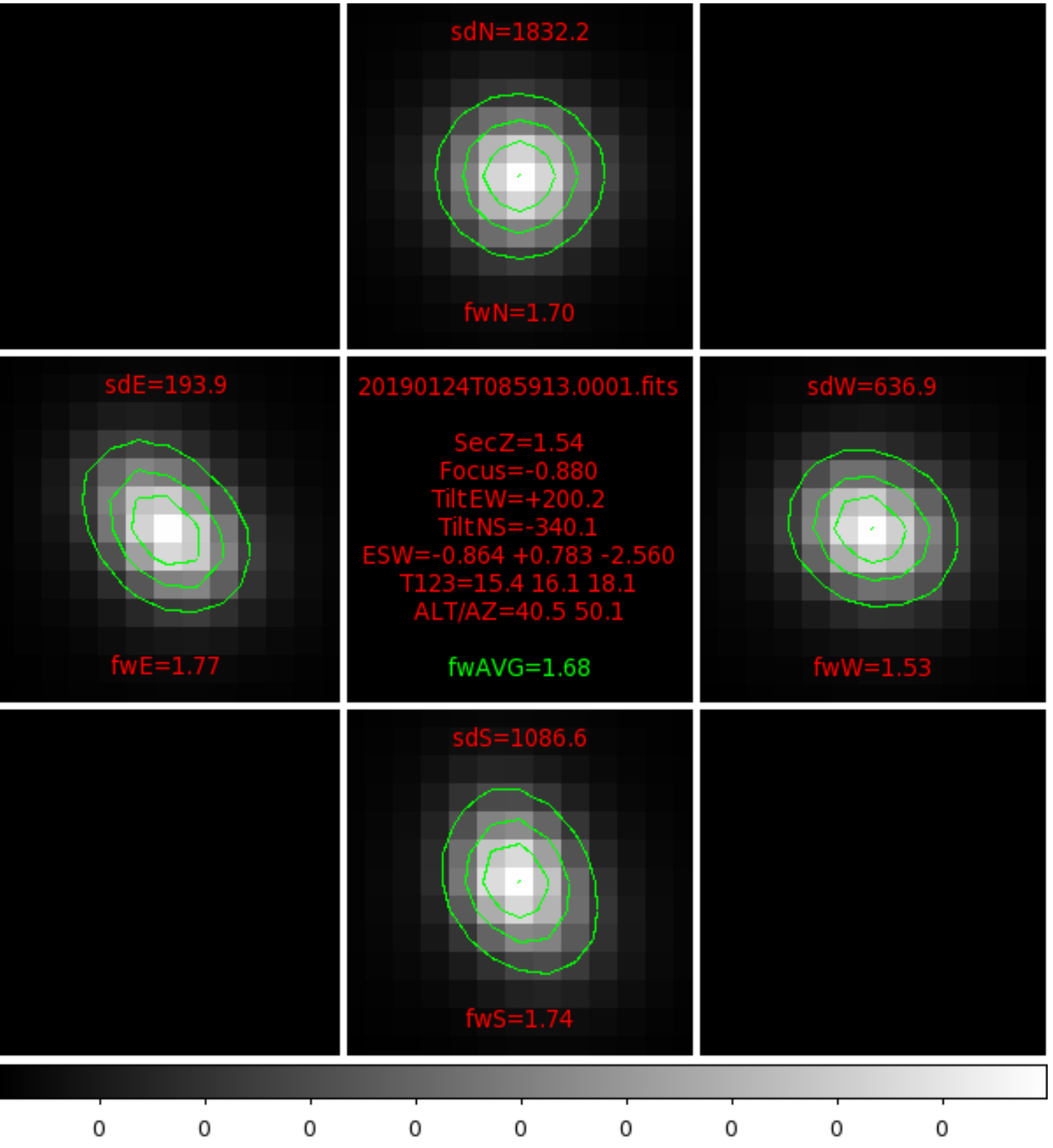
sdN=1832.2
fwN=1.70
sdE=193.9
fwE=1.77
20190124T085913.0001.fits
SecZ=1.54
Focus=-0.880
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.864 +0.783 -2.560
T123=15.4 16.1 18.1
ALT/AZ=40.5 50.1
fwAVG=1.68
sdW=636.9
fwW=1.53
sdS=1086.6
fwS=1.74
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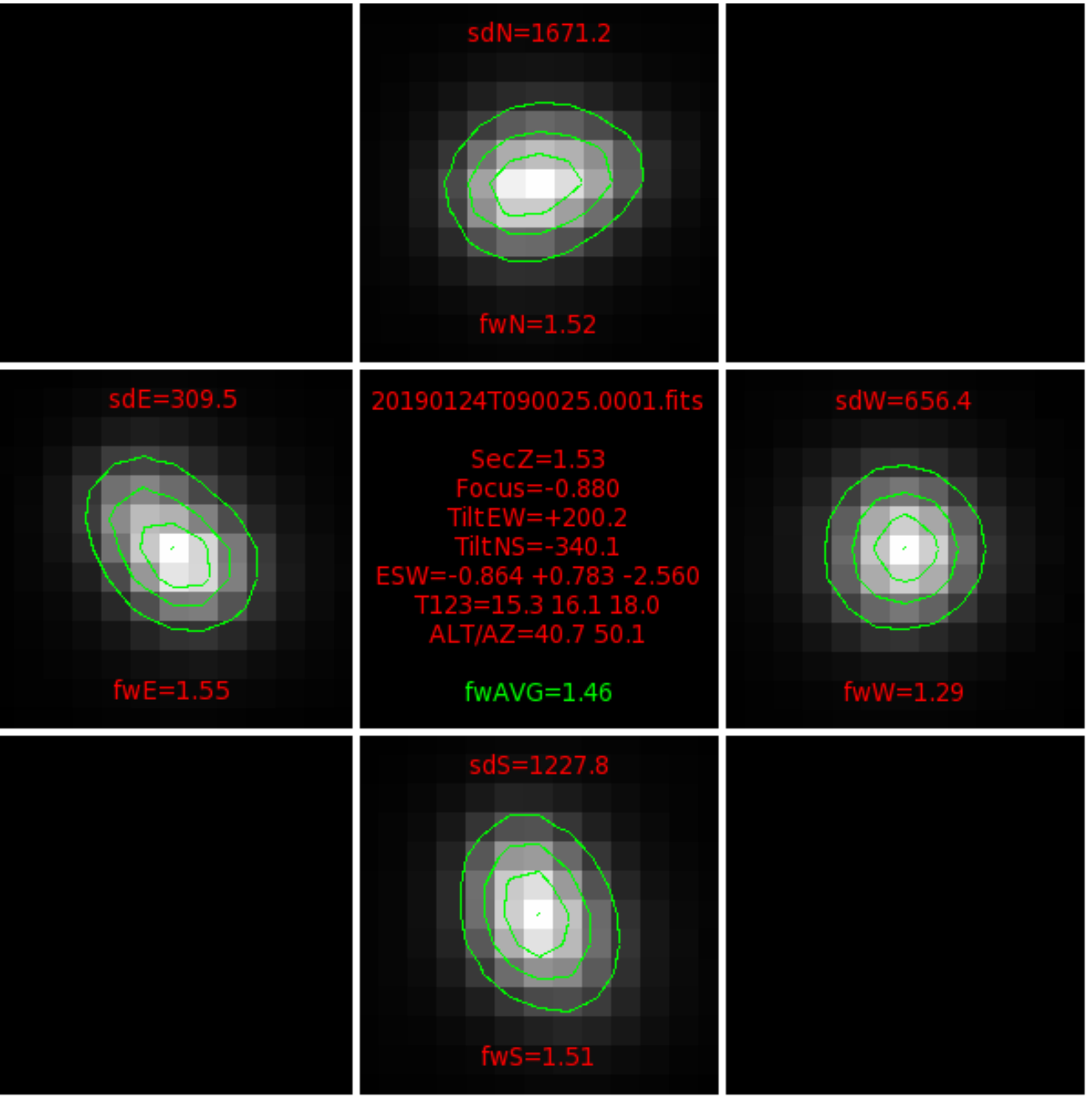
sdN=1671.2
fwN=1.52
sdE=309.5
fwE=1.55
20190124T090025.0001.fits
SecZ=1.53
Focus=-0.880
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.864 +0.783 -2.560
T123=15.3 16.1 18.0
ALT/AZ=40.7 50.1
fwAVG=1.46
sdW=656.4
fwW=1.29
sdS=1227.8
fwS=1.51
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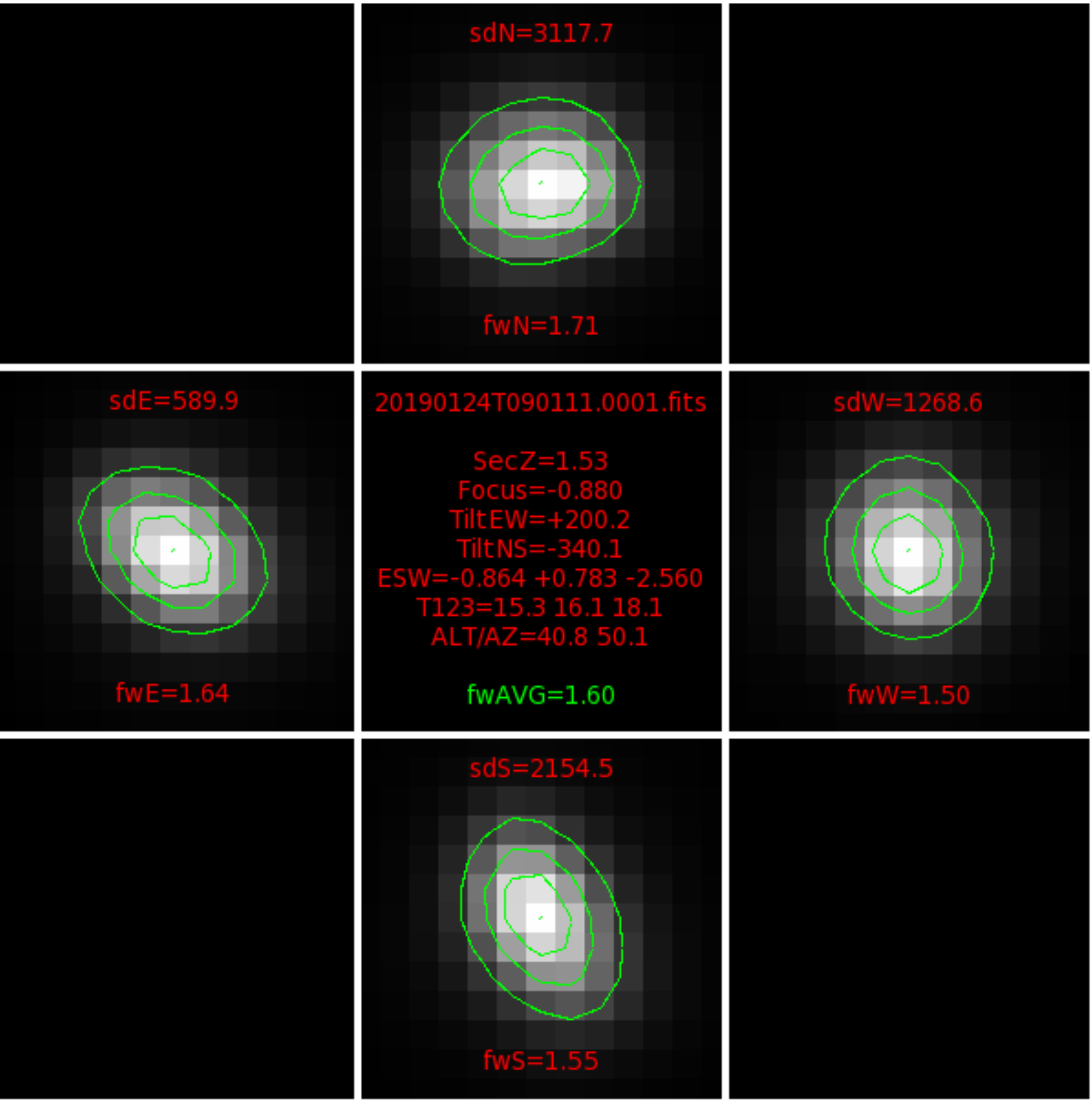
sdN=3117.7
fwN=1.71
sdE=589.9
fwE=1.64
20190124T090111.0001.fits
SecZ=1.53
Focus=-0.880
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.864 +0.783 -2.560
T123=15.3 16.1 18.1
ALT/AZ=40.8 50.1
fwAVG=1.60
sdW=1268.6
fwW=1.50
sdS=2154.5
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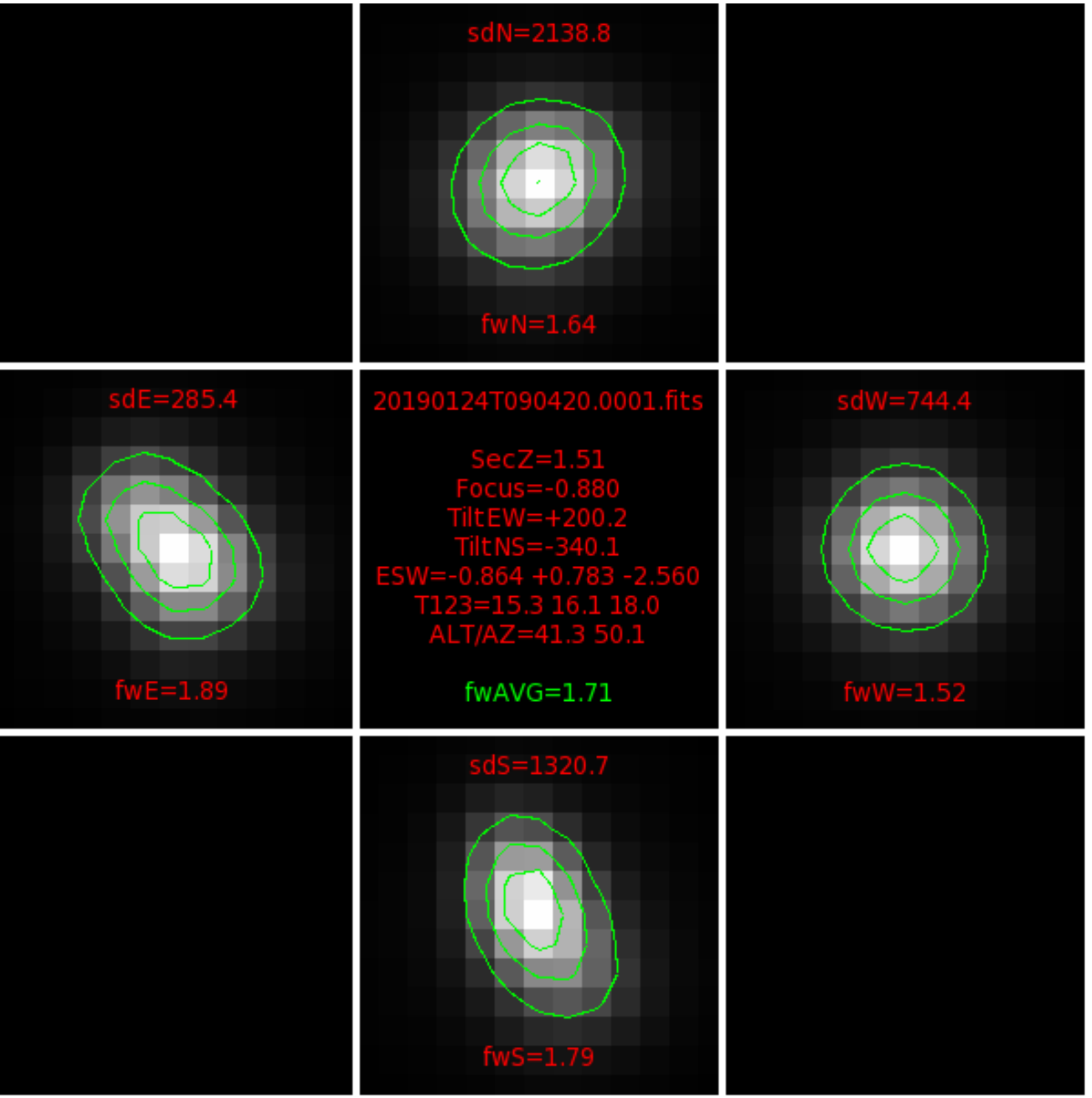
sdN=2138.8
fwN=1.64
sdE=285.4
fwE=1.89
20190124T090420.0001.fits
SecZ=1.51
Focus=-0.880
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.864 +0.783 -2.560
T123=15.3 16.1 18.0
ALT/AZ=41.3 50.1
fwAVG=1.71
sdW=744.4
fwW=1.52
sdS=1320.7
fwS=1.79
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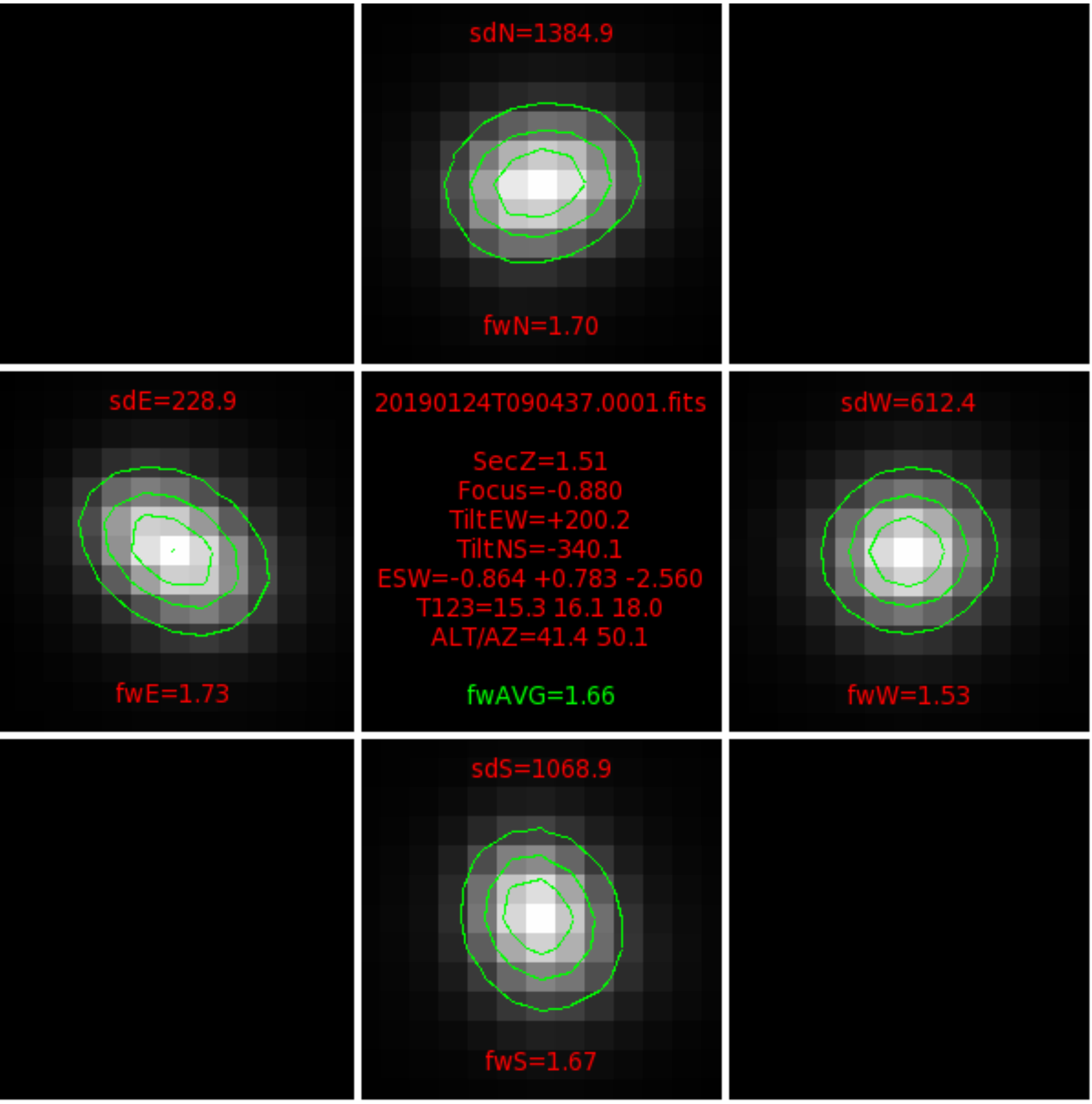
sdN=1384.9
fwN=1.70
sdE=228.9
fwE=1.73
20190124T090437.0001.fits
SecZ=1.51
Focus=-0.880
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.864 +0.783 -2.560
T123=15.3 16.1 18.0
ALT/AZ=41.4 50.1
fwAVG=1.66
sdW=612.4
fwW=1.53
sdS=1068.9
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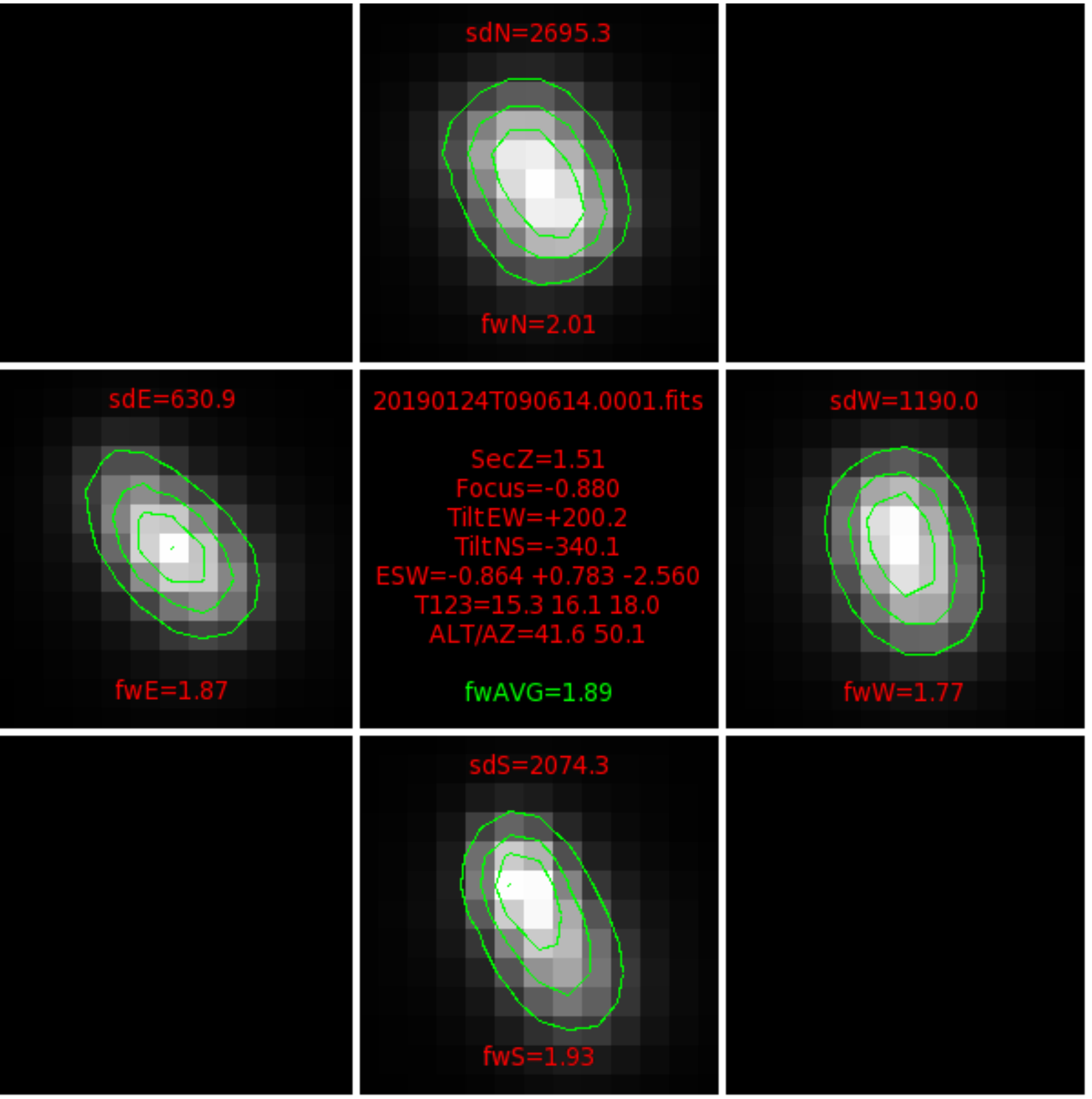
sdN=2695.3
fwN=2.01
sdE=630.9
fwE=1.87
20190124T090614.0001.fits
SecZ=1.51
Focus=-0.880
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.864 +0.783 -2.560
T123=15.3 16.1 18.0
ALT/AZ=41.6 50.1
fwAVG=1.89
sdW=1190.0
fwW=1.77
sdS=2074.3
fwS=1.93
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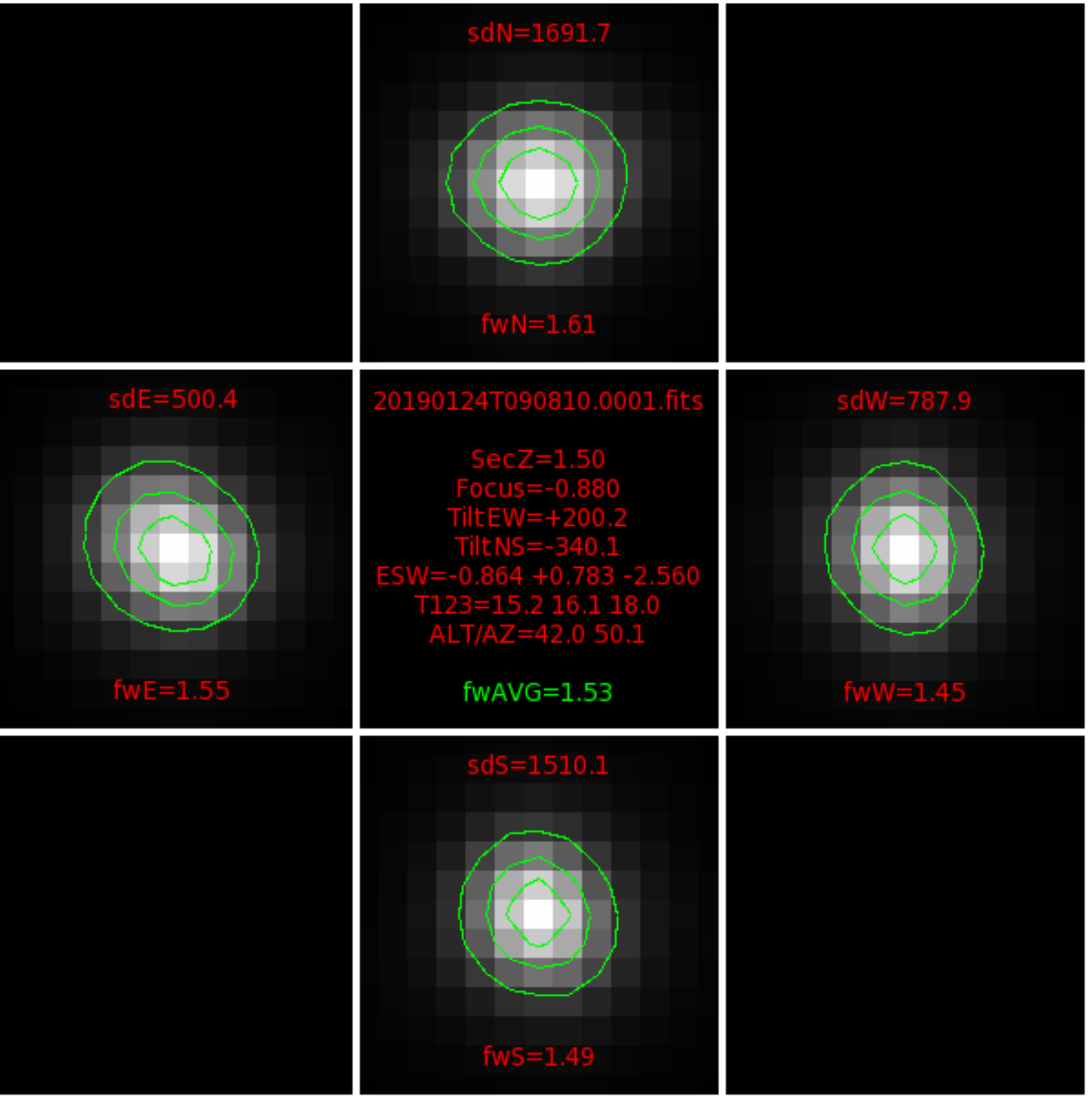
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fwN=1.61
sdE=500.4
fwE=1.55
20190124T090810.0001.fits
SecZ=1.50
Focus=-0.880
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.864 +0.783 -2.560
T123=15.2 16.1 18.0
ALT/AZ=42.0 50.1
fwAVG=1.53
sdW=787.9
fwW=1.45
sdS=1510.1
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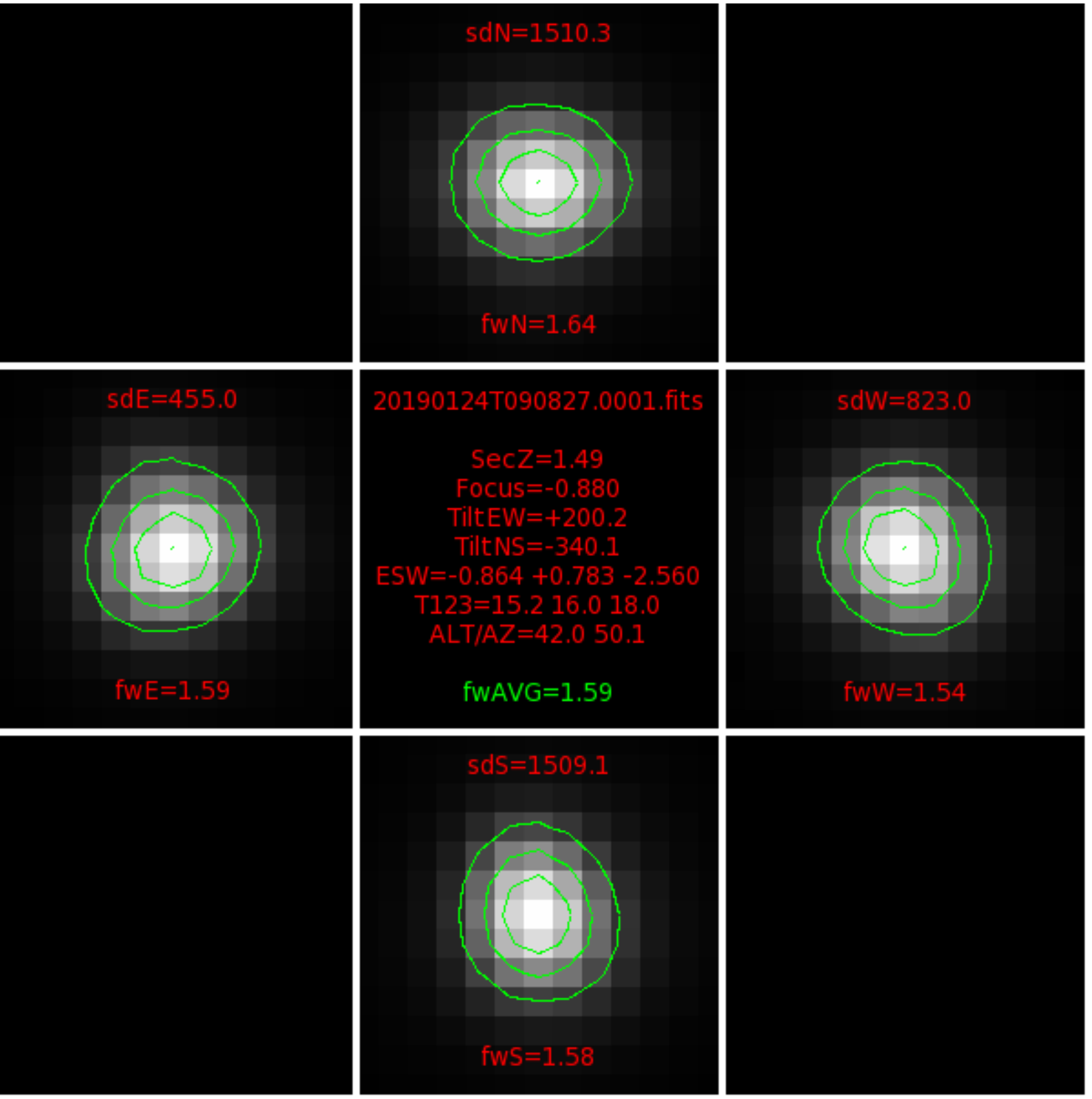
sdN=1510.3
fwN=1.64
sdE=455.0
fwE=1.59
20190124T090827.0001.fits
SecZ=1.49
Focus=-0.880
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.864 +0.783 -2.560
T123=15.2 16.0 18.0
ALT/AZ=42.0 50.1
fwAVG=1.59
sdW=823.0
fwW=1.54
sdS=1509.1
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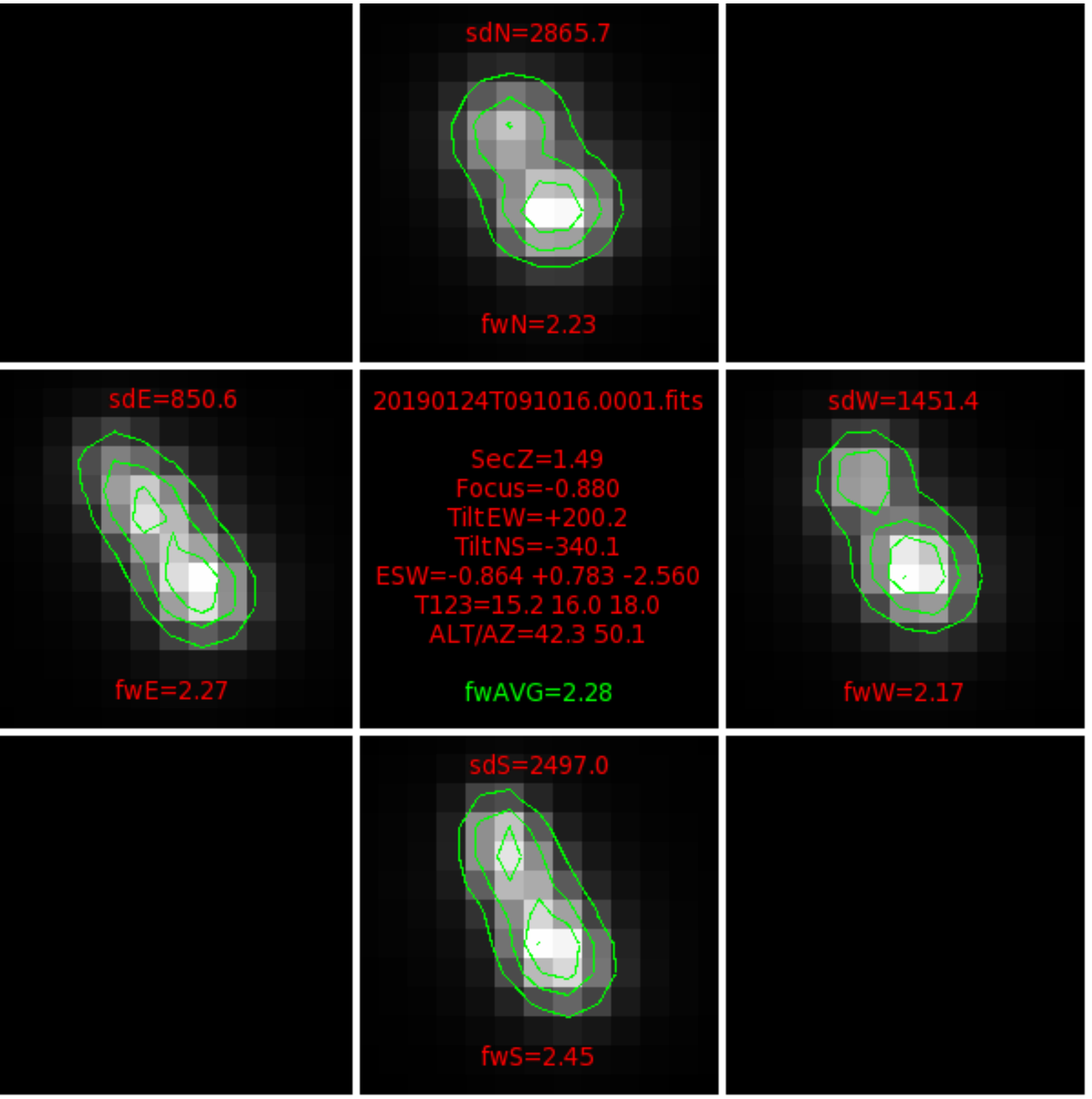
sdN=2865.7
fwN=2.23
sdE=850.6
fwE=2.27
20190124T091016.0001.fits
SecZ=1.49
Focus=-0.880
TiltEW=+200.2
TiltNS=-340.1
ESW=-0.864 +0.783 -2.560
T123=15.2 16.0 18.0
ALT/AZ=42.3 50.1
fwAVG=2.28
sdW=1451.4
fwW=2.17
sdS=2497.0
fwS=2.45
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