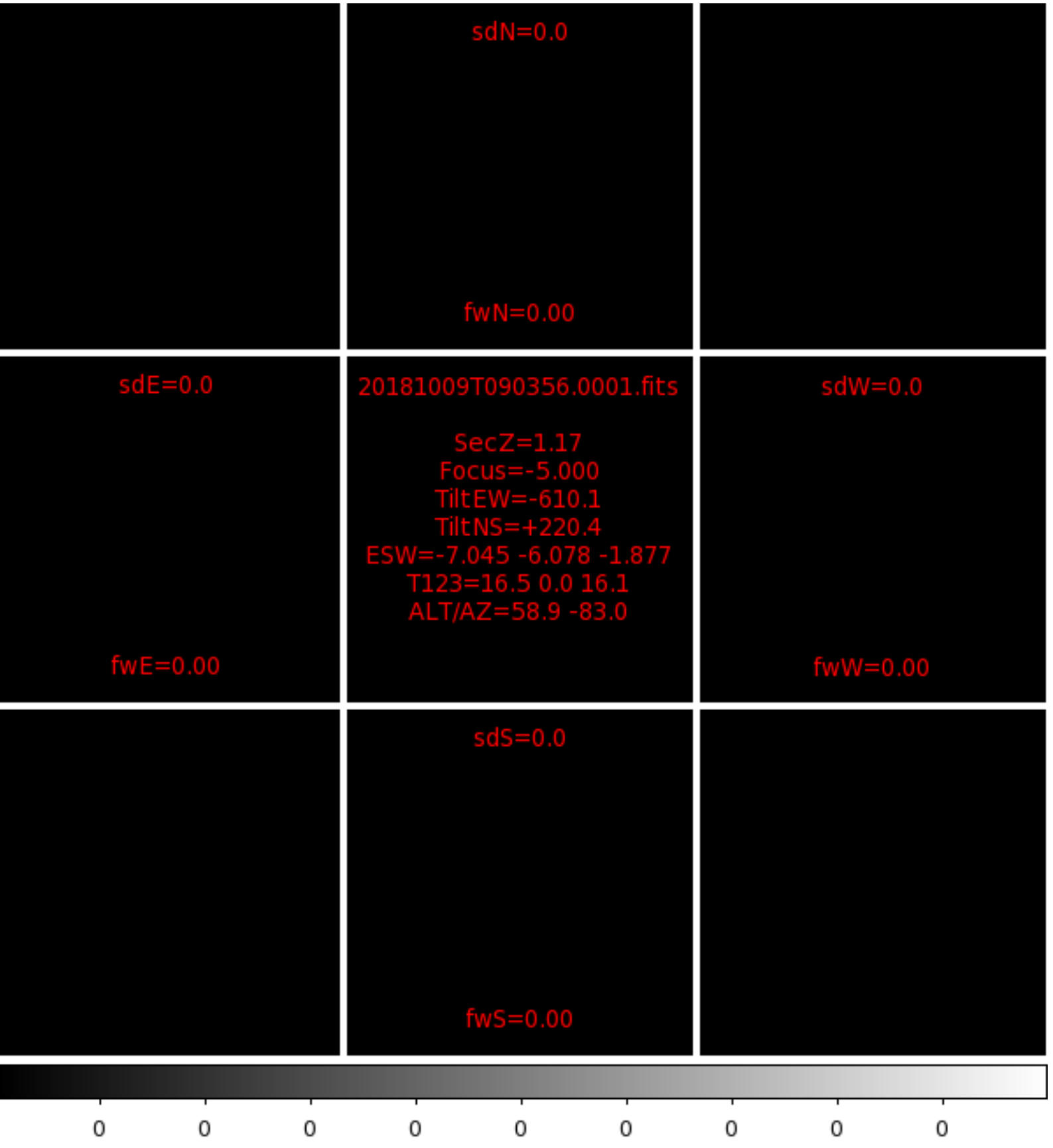
sdN=0.0
fwN=0.00
sdE=0.0
20181009T090356.0001.fits
SecZ=1.17
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.4
ESW=-7.045 -6.078 -1.877
T123=16.5 0.0 16.1
ALT/AZ=58.9 -83.0
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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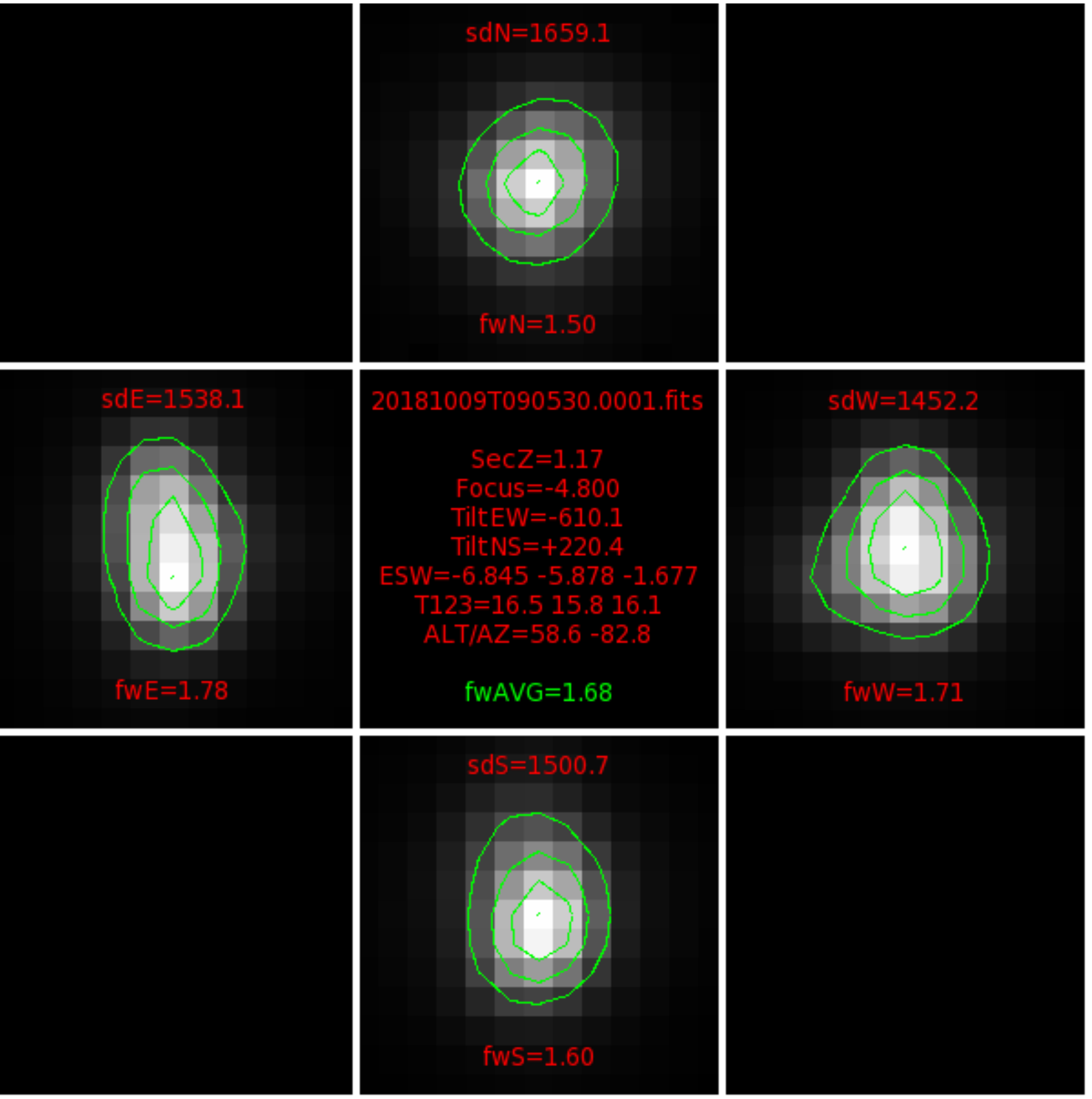
sdN=1659.1
fwN=1.50
sdE=1538.1
fwE=1.78
20181009T090530.0001.fits
SecZ=1.17
Focus=-4.800
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.845 -5.878 -1.677
T123=16.5 15.8 16.1
ALT/AZ=58.6 -82.8
fwAVG=1.68
sdW=1452.2
fwW=1.71
sdS=1500.7
fwS=1.60
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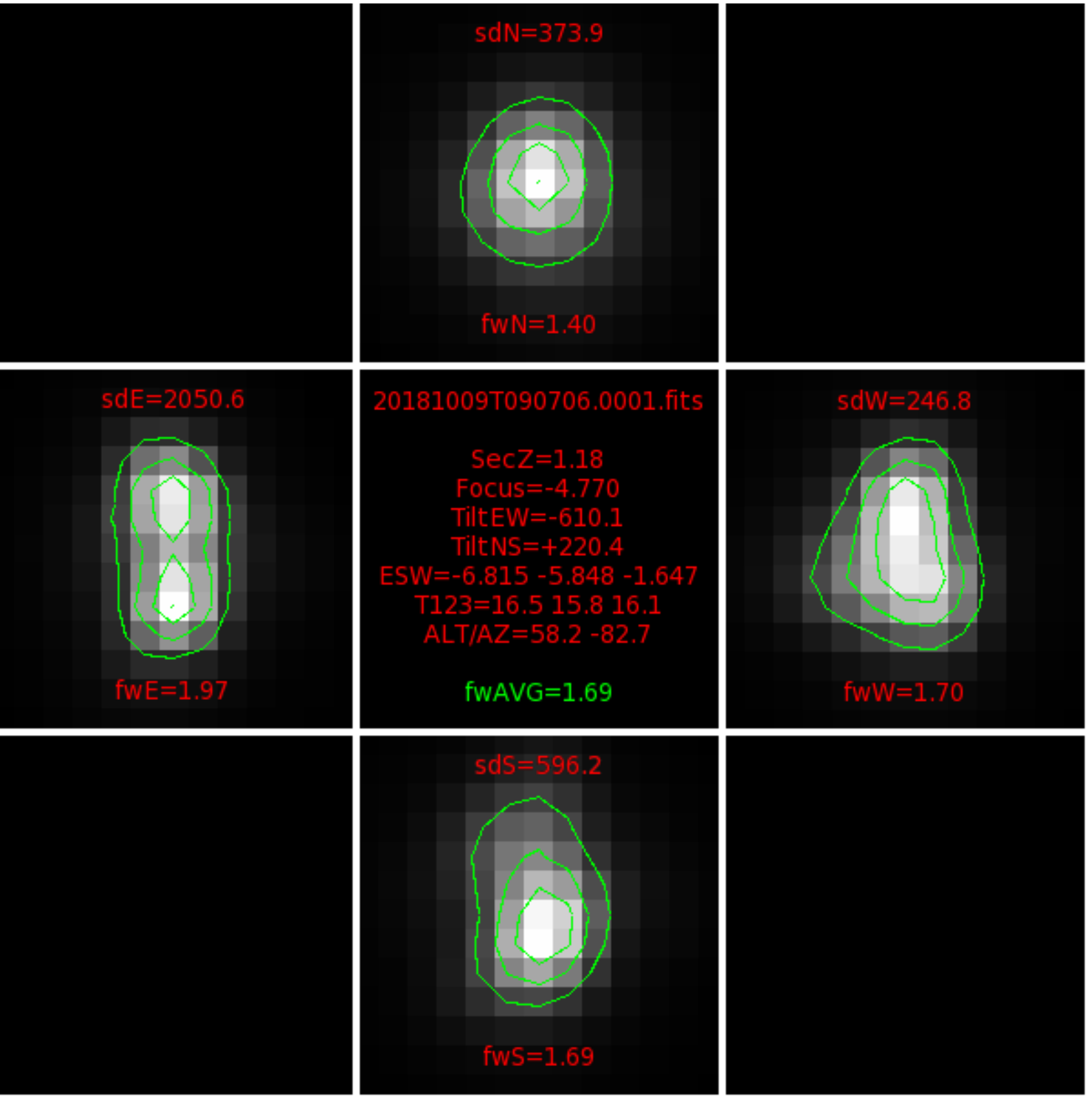
sdN=373.9
fwN=1.40
sdE=2050.6
fwE=1.97
20181009T090706.0001.fits
SecZ=1.18
Focus=-4.770
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.815 -5.848 -1.647
T123=16.5 15.8 16.1
ALT/AZ=58.2 -82.7
fwAVG=1.69
sdW=246.8
fwW=1.70
sdS=596.2
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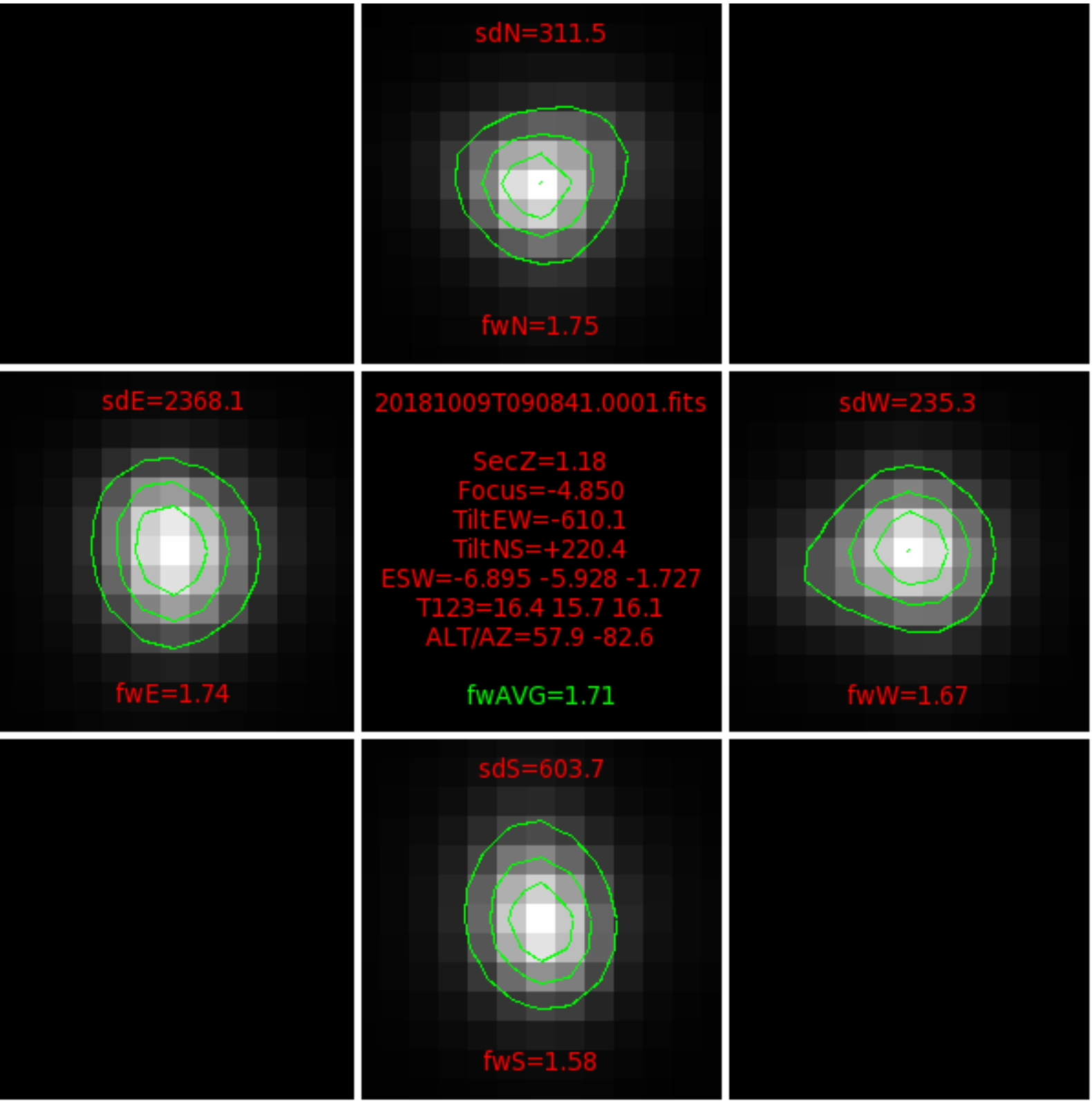
sdN=311.5
fwN=1.75
sdE=2368.1
fwE=1.74
20181009T090841.0001.fits
SecZ=1.18
Focus=-4.850
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.895 -5.928 -1.727
T123=16.4 15.7 16.1
ALT/AZ=57.9 -82.6
fwAVG=1.71
sdW=235.3
fwW=1.67
sdS=603.7
fwS=1.58
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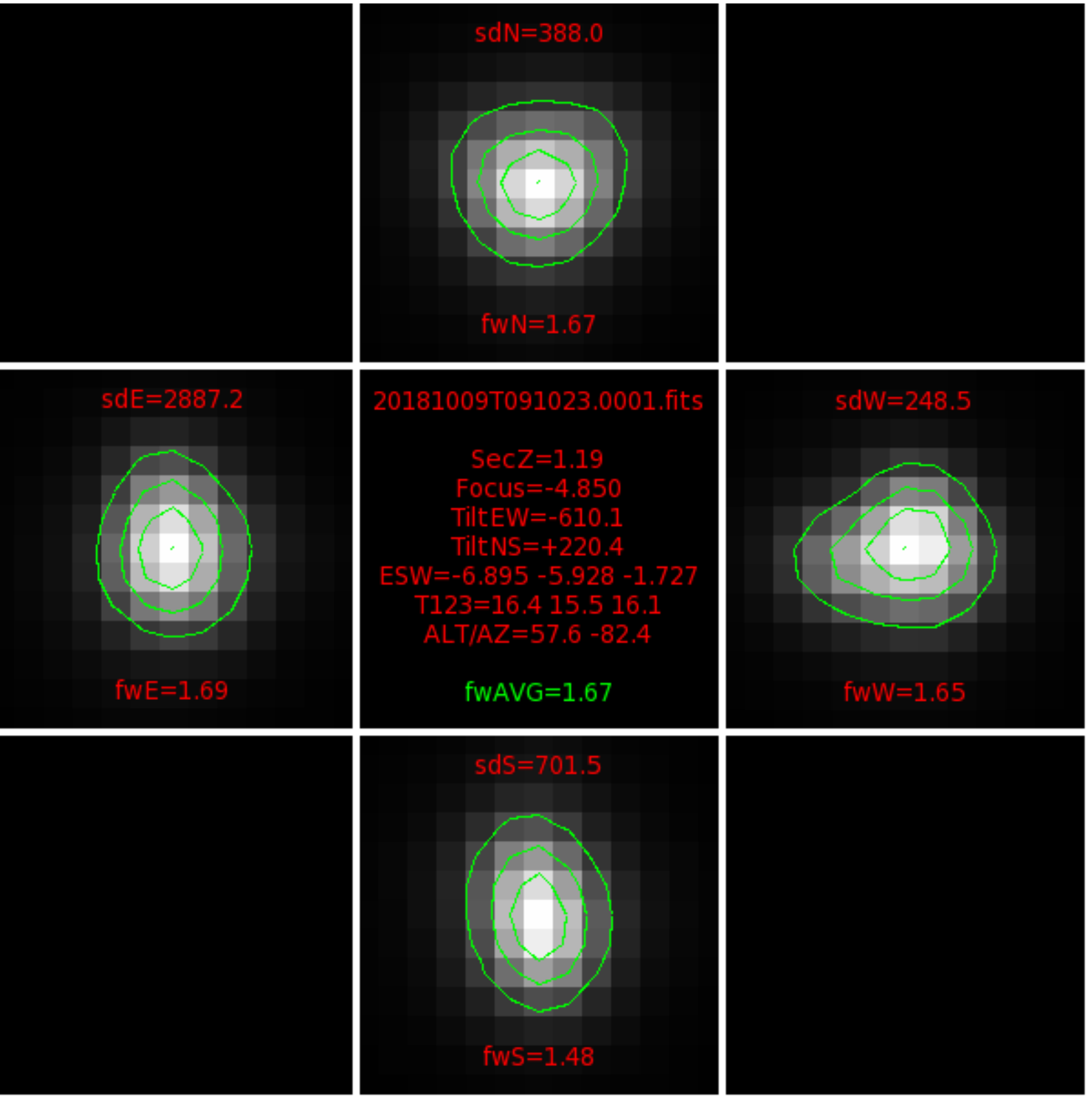
sdN=388.0
fwN=1.67
sdE=2887.2
fwE=1.69
20181009T091023.0001.fits
SecZ=1.19
Focus=-4.850
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.895 -5.928 -1.727
T123=16.4 15.5 16.1
ALT/AZ=57.6 -82.4
fwAVG=1.67
sdW=248.5
fwW=1.65
sdS=701.5
fwS=1.48
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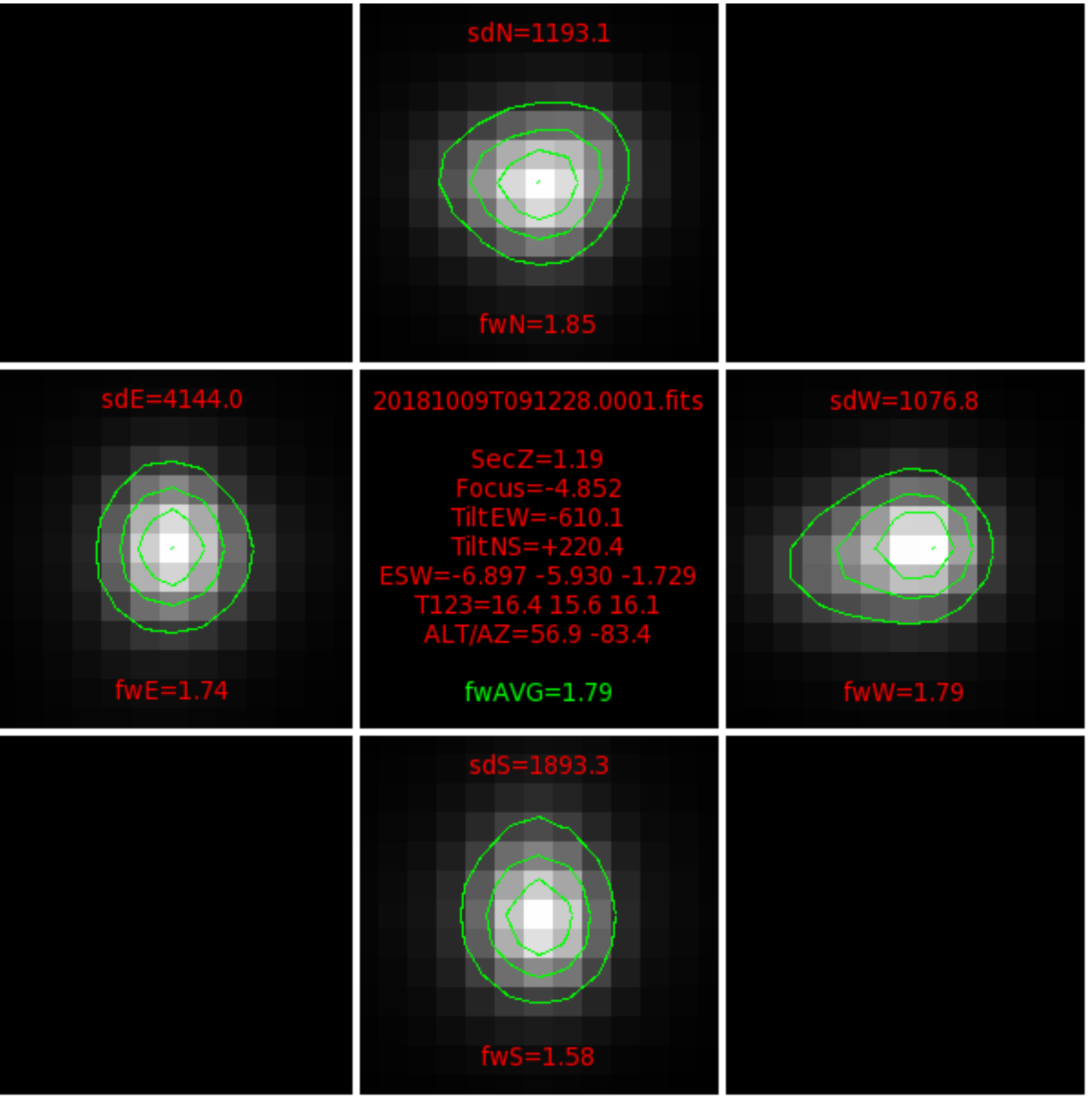
sdN=1193.1
fwN=1.85
sdE=4144.0
fwE=1.74
20181009T091228.0001.fits
SecZ=1.19
Focus=-4.852
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.897 -5.930 -1.729
T123=16.4 15.6 16.1
ALT/AZ=56.9 -83.4
fwAVG=1.79
sdW=1076.8
fwW=1.79
sdS=1893.3
fwS=1.58
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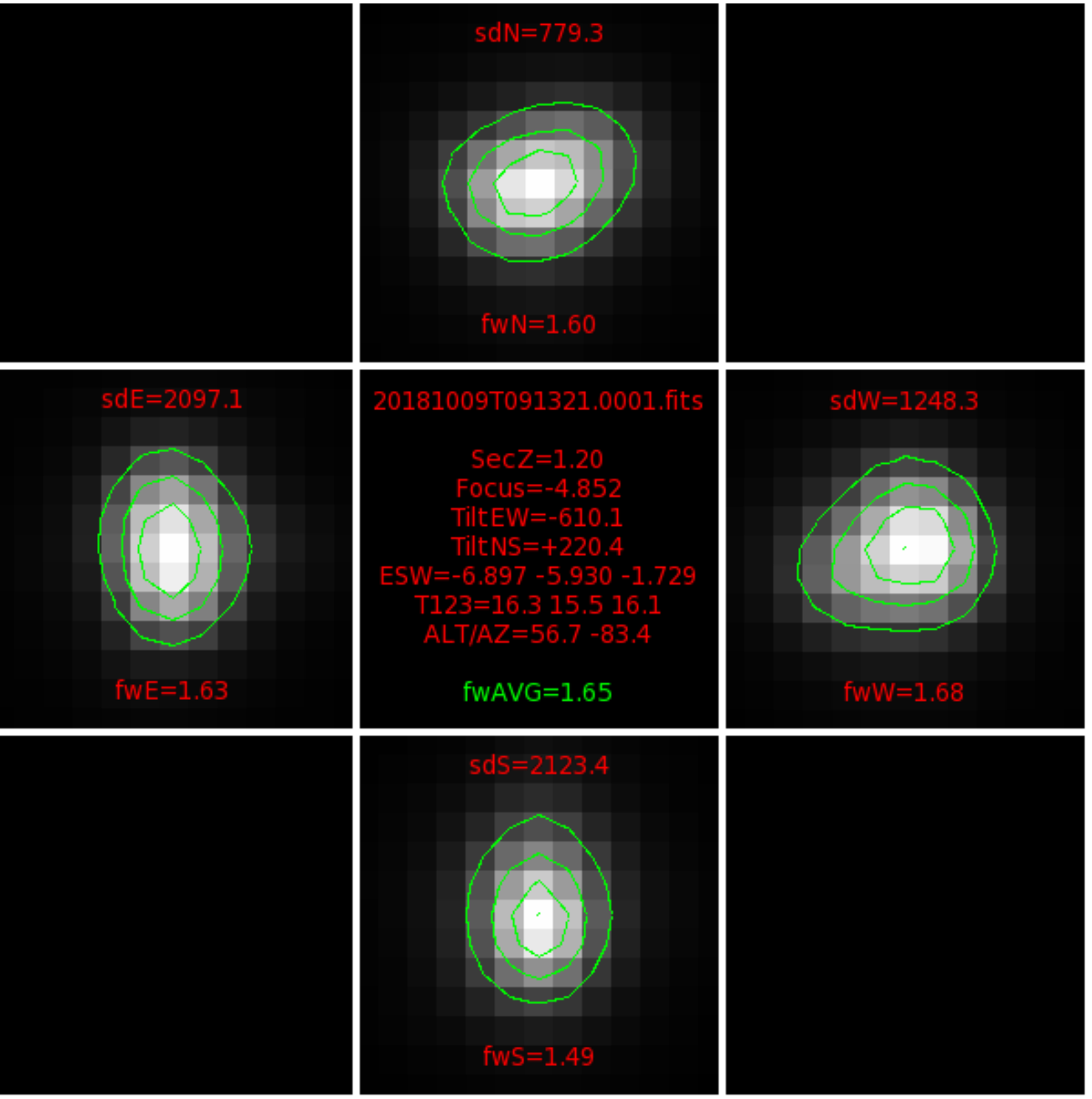
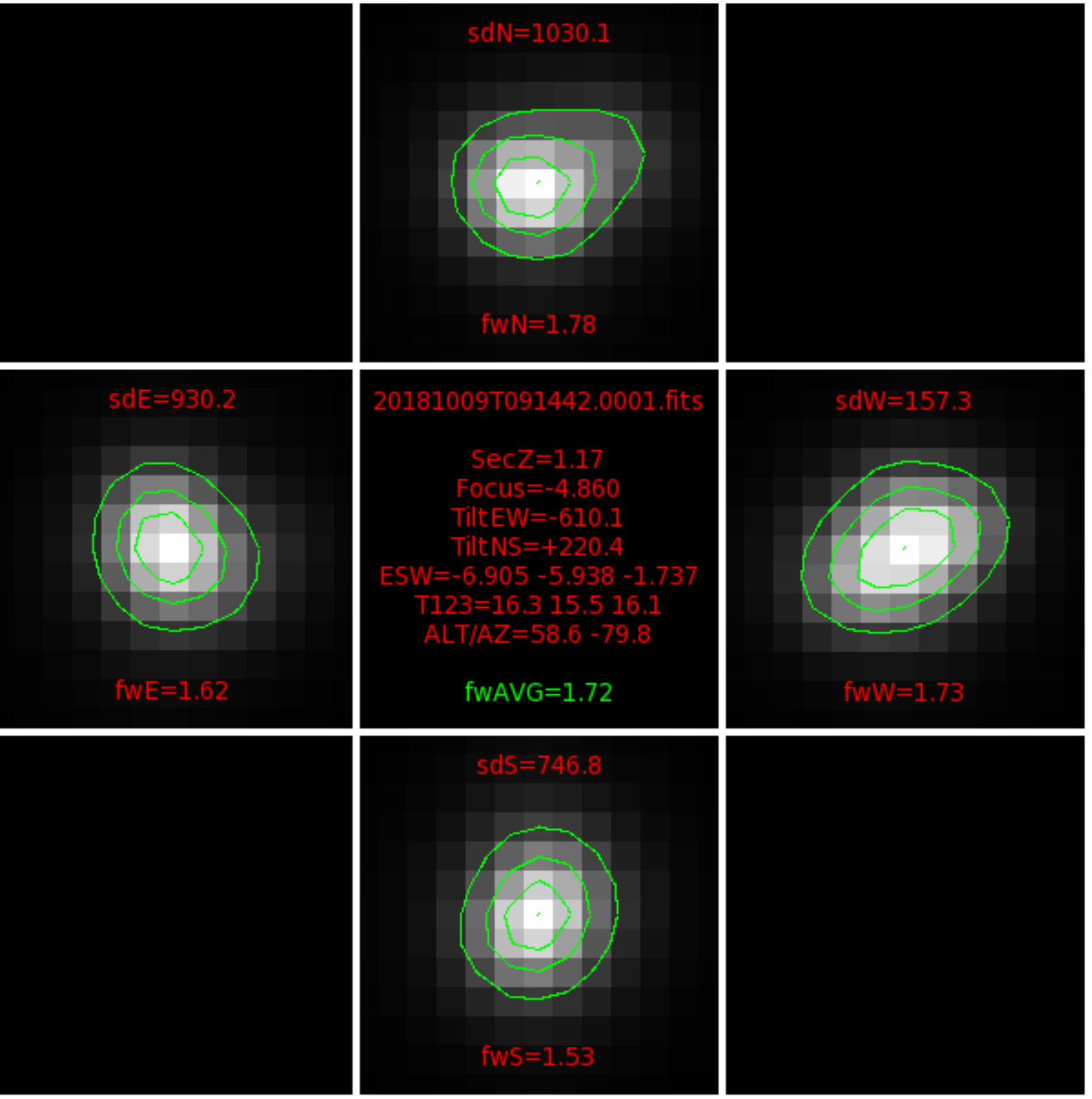

sdN=779.3
fwN=1.60
sdE=2097.1
fwE=1.63
20181009T091321.0001.fits
SecZ=1.20
Focus=-4.852
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.897 -5.930 -1.729
T123=16.3 15.5 16.1
ALT/AZ=56.7 -83.4
fwAVG=1.65
sdW=1248.3
fwW=1.68
sdS=2123.4
fwS=1.49
0 0 0 0 0 0 0 0 0


sdN=1030.1
fwN=1.78
sdE=930.2
fwE=1.62
20181009T091442.0001.fits
SecZ=1.17
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=16.3 15.5 16.1
ALT/AZ=58.6 -79.8
fwAVG=1.72
sdW=157.3
fwW=1.73
sdS=746.8
fwS=1.53
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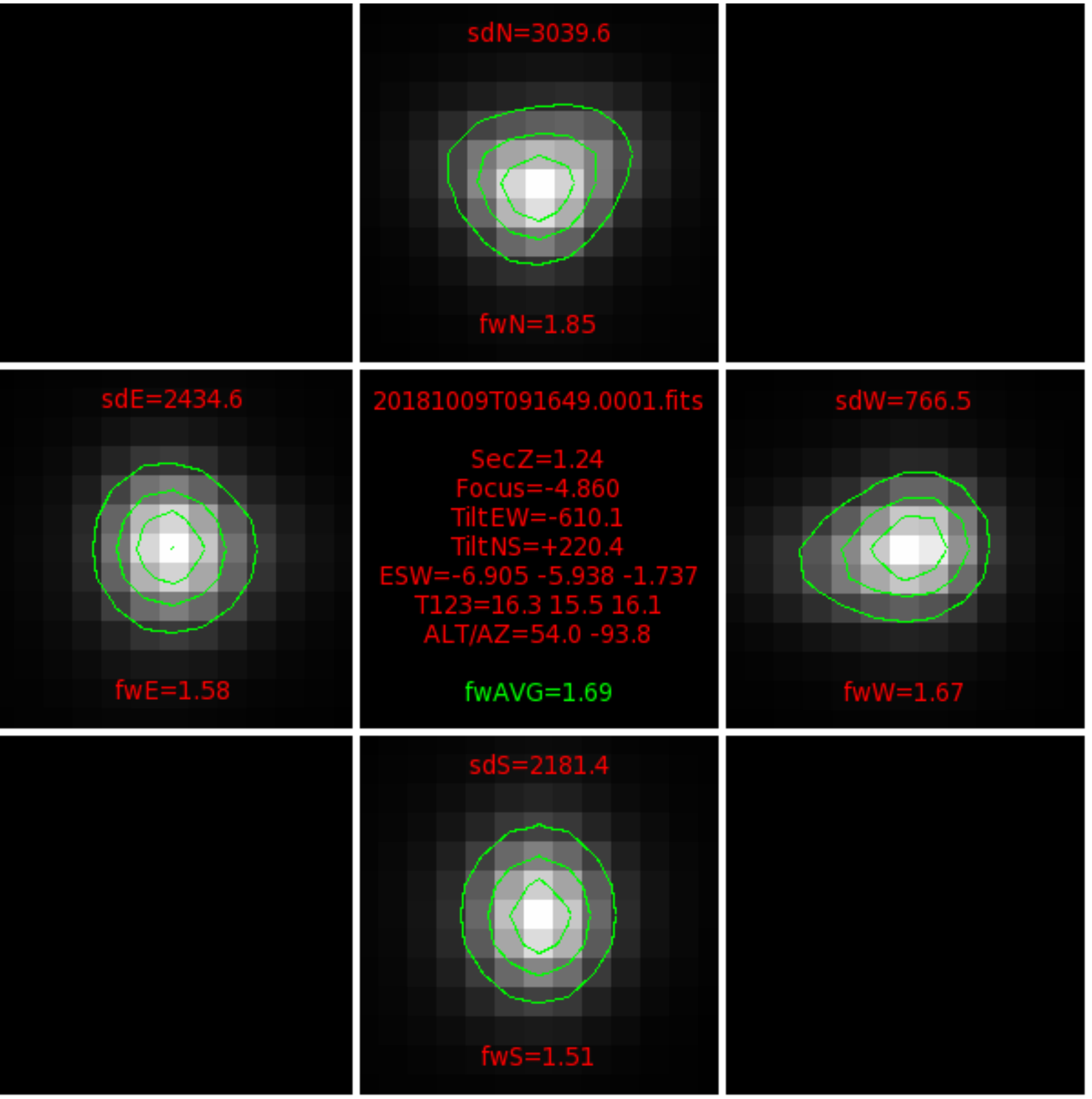
sdN=3039.6
fwN=1.85
sdE=2434.6
fwE=1.58
20181009T091649.0001.fits
SecZ=1.24
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=16.3 15.5 16.1
ALT/AZ=54.0 -93.8
fwAVG=1.69
sdW=766.5
fwW=1.67
sdS=2181.4
fwS=1.51
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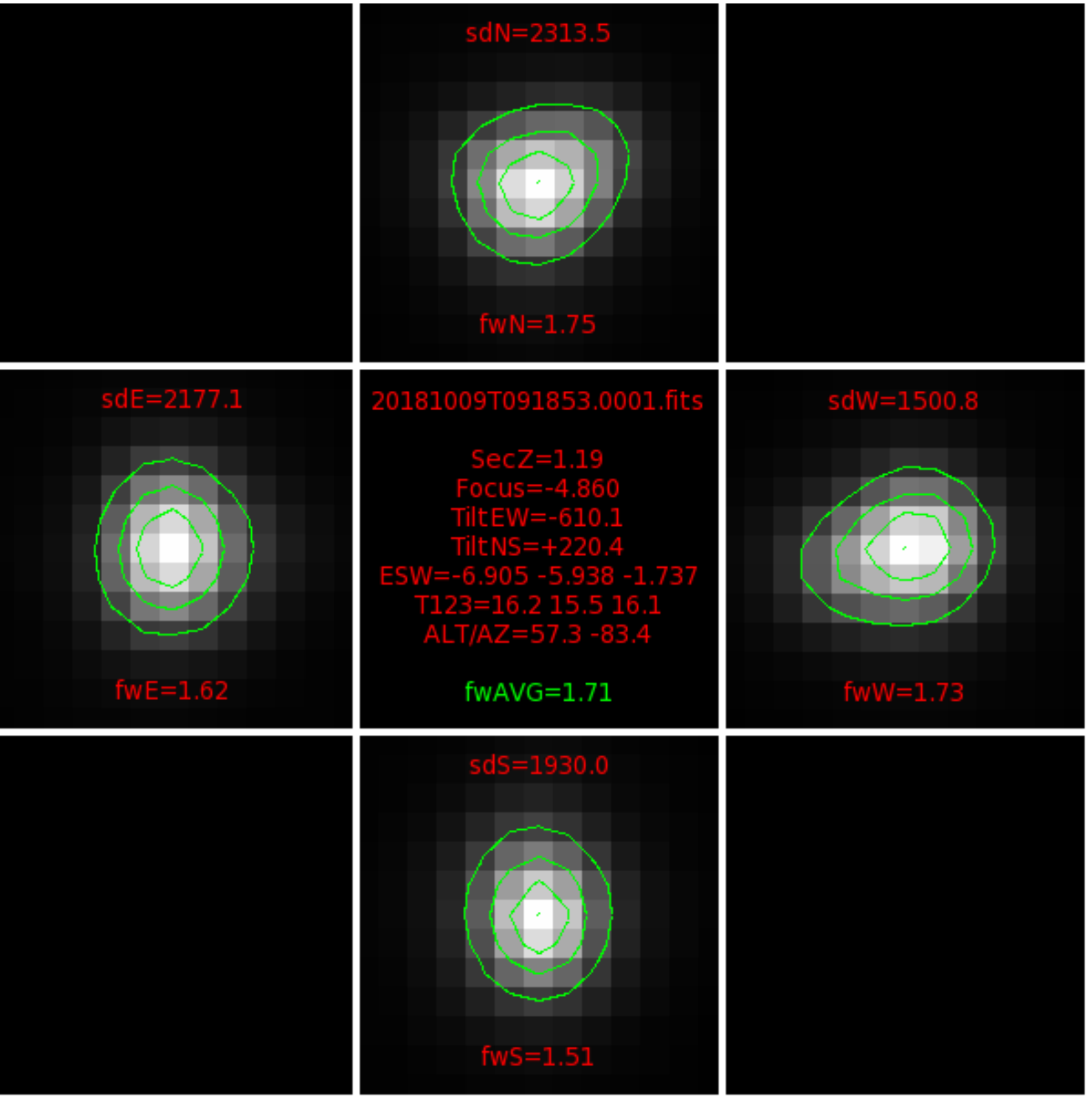
sdN=2313.5
fwN=1.75
sdE=2177.1
fwE=1.62
20181009T091853.0001.fits
SecZ=1.19
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=16.2 15.5 16.1
ALT/AZ=57.3 -83.4
fwAVG=1.71
sdW=1500.8
fwW=1.73
sdS=1930.0
fwS=1.51
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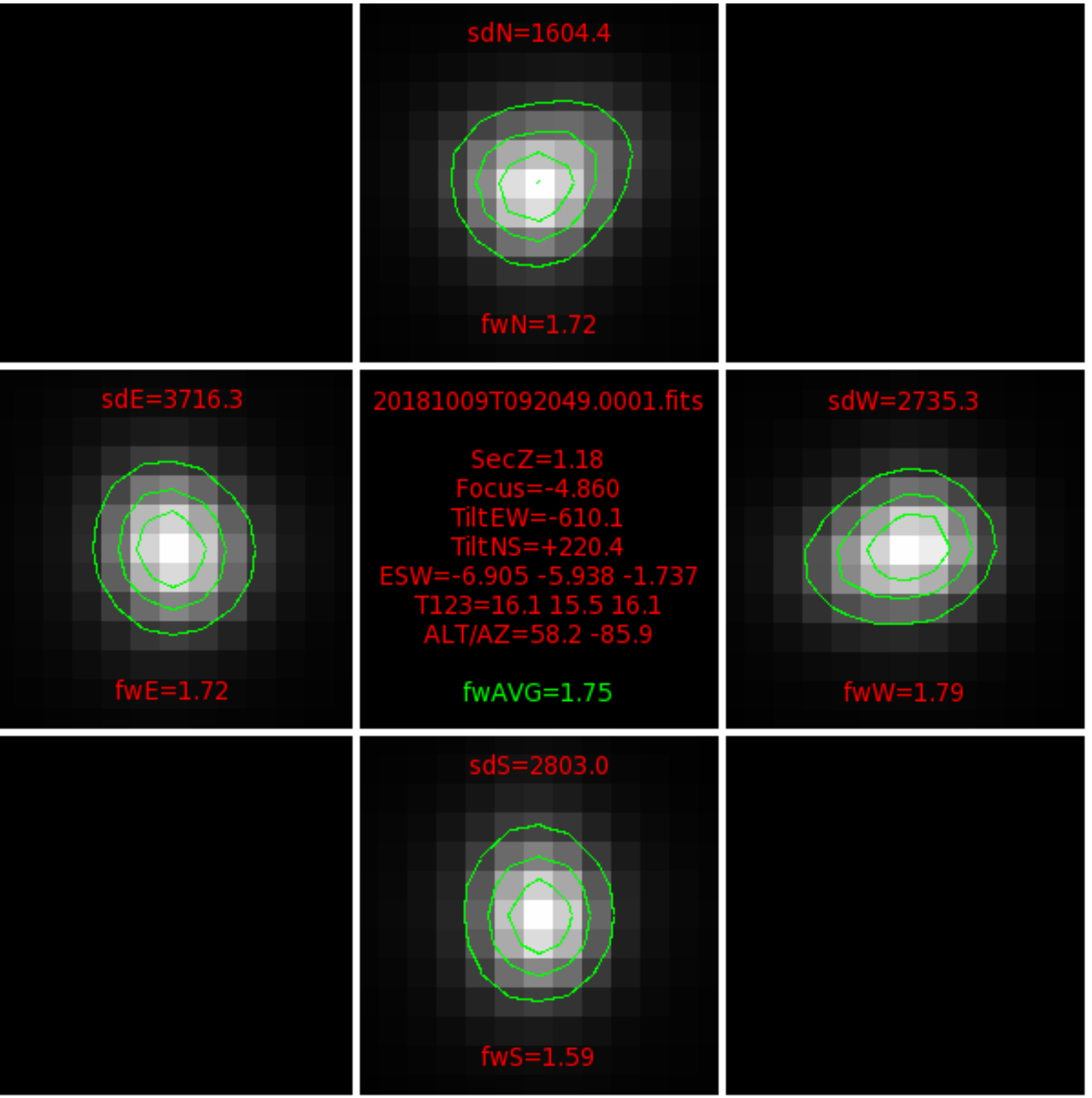
sdN=1604.4
fwN=1.72
sdE=3716.3
fwE=1.72
20181009T092049.0001.fits
SecZ=1.18
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=16.1 15.5 16.1
ALT/AZ=58.2 -85.9
fwAVG=1.75
sdW=2735.3
fwW=1.79
sdS=2803.0
fwS=1.59
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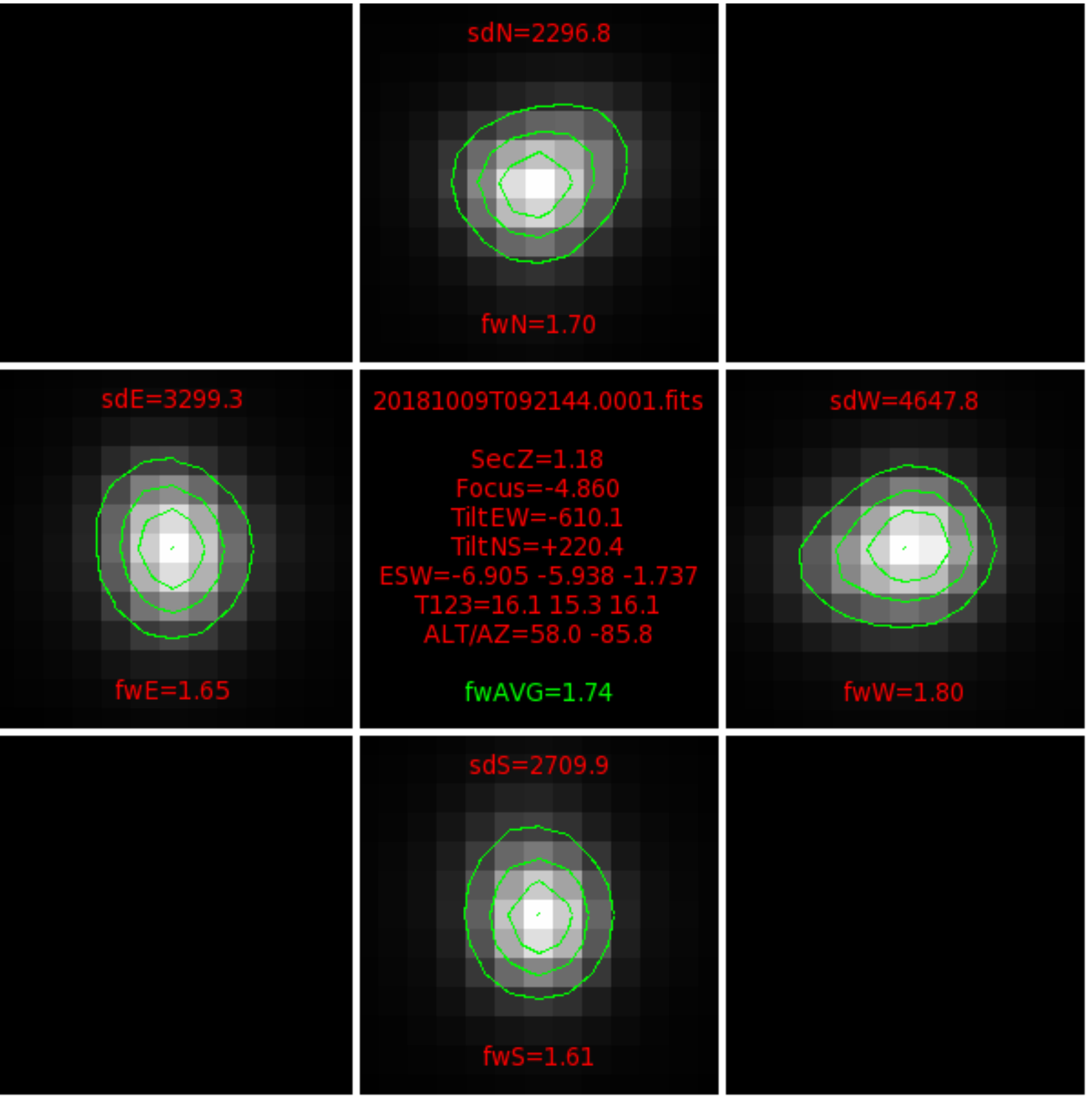
sdN=2296.8
fwN=1.70
sdE=3299.3
fwE=1.65
20181009T092144.0001.fits
SecZ=1.18
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=16.1 15.3 16.1
ALT/AZ=58.0 -85.8
fwAVG=1.74
sdW=4647.8
fwW=1.80
sdS=2709.9
fwS=1.61
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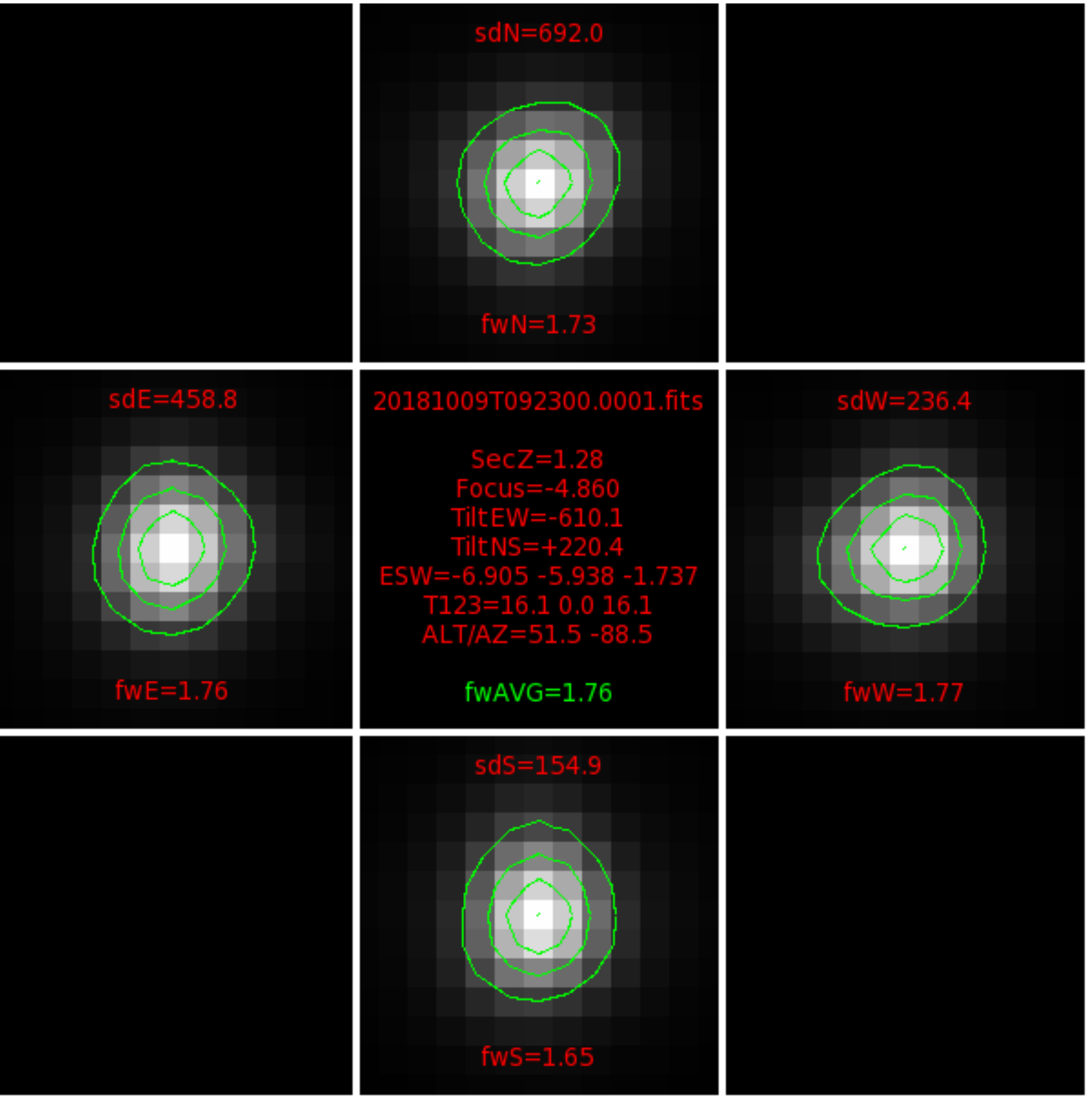
sdN=692.0
fwN=1.73
sdE=458.8
fwE=1.76
20181009T092300.0001.fits
SecZ=1.28
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=16.1 0.0 16.1
ALT/AZ=51.5 -88.5
fwAVG=1.76
sdW=236.4
fwW=1.77
sdS=154.9
fwS=1.65
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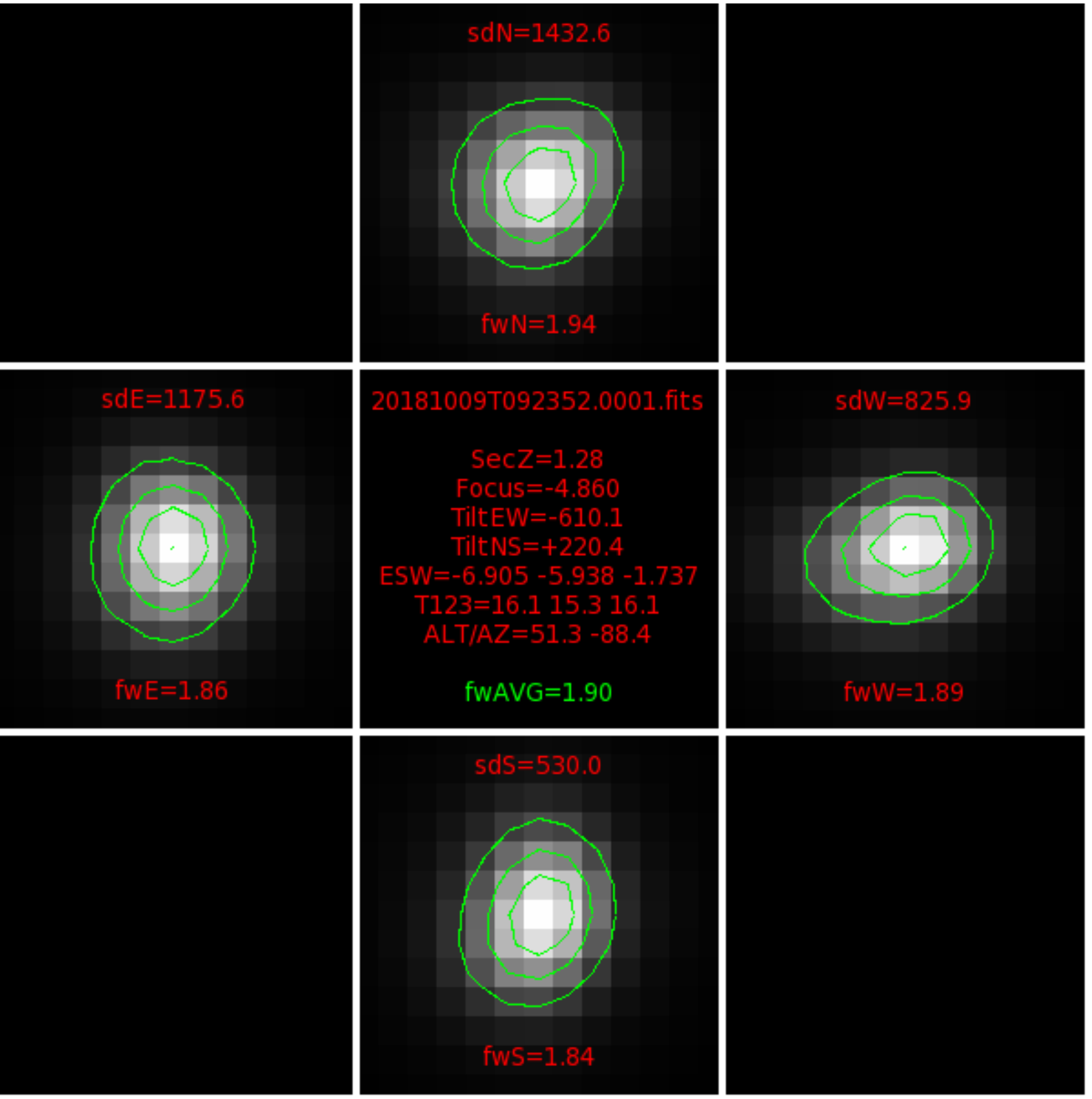
sdN=1432.6
fwN=1.94
sdE=1175.6
fwE=1.86
20181009T092352.0001.fits
SecZ=1.28
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=16.1 15.3 16.1
ALT/AZ=51.3 -88.4
fwAVG=1.90
sdW=825.9
fwW=1.89
sdS=530.0
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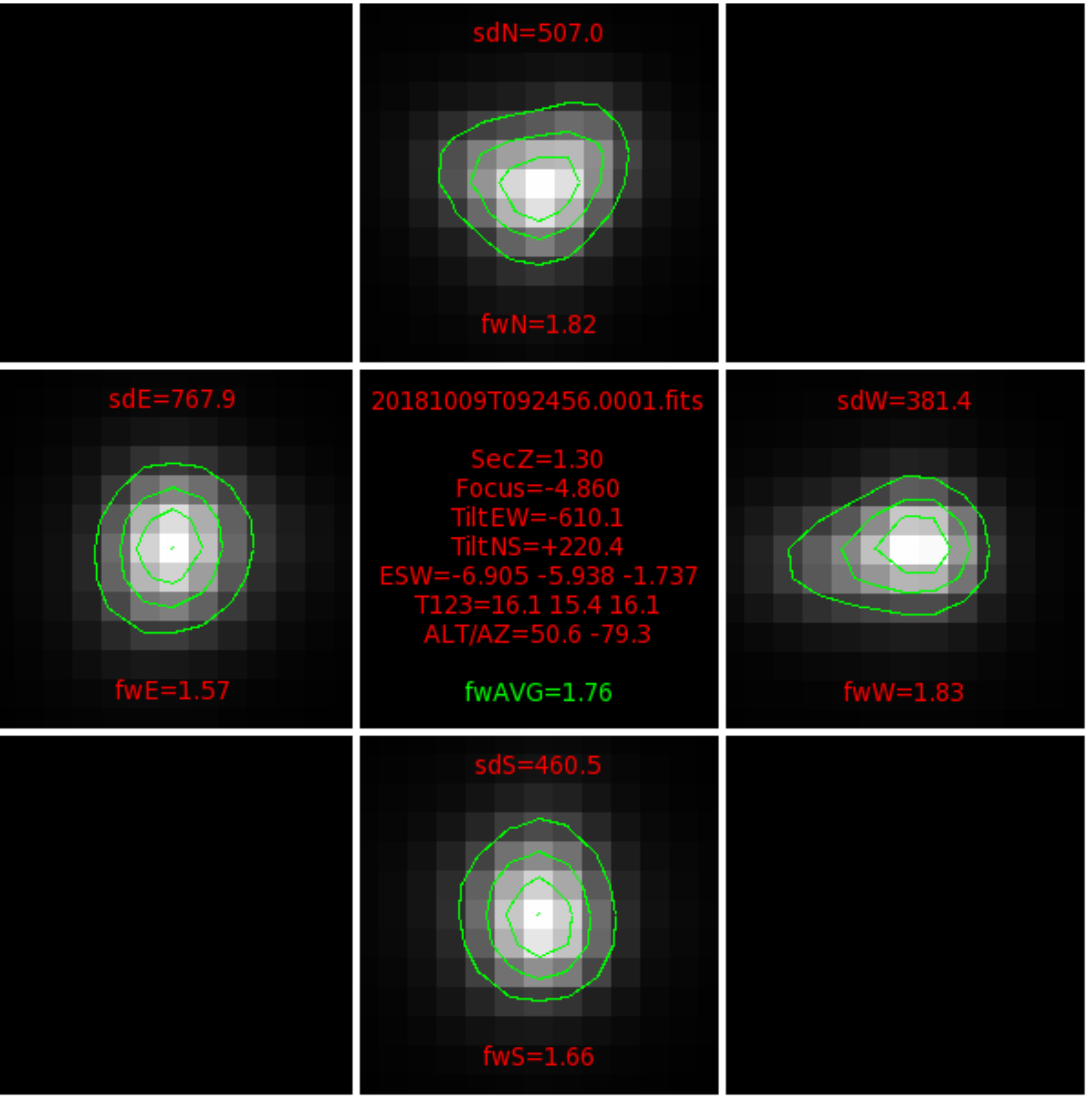
sdN=507.0
fwN=1.82
sdE=767.9
fwE=1.57
20181009T092456.0001.fits
SecZ=1.30
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=16.1 15.4 16.1
ALT/AZ=50.6 -79.3
fwAVG=1.76
sdW=381.4
fwW=1.83
sdS=460.5
fwS=1.66
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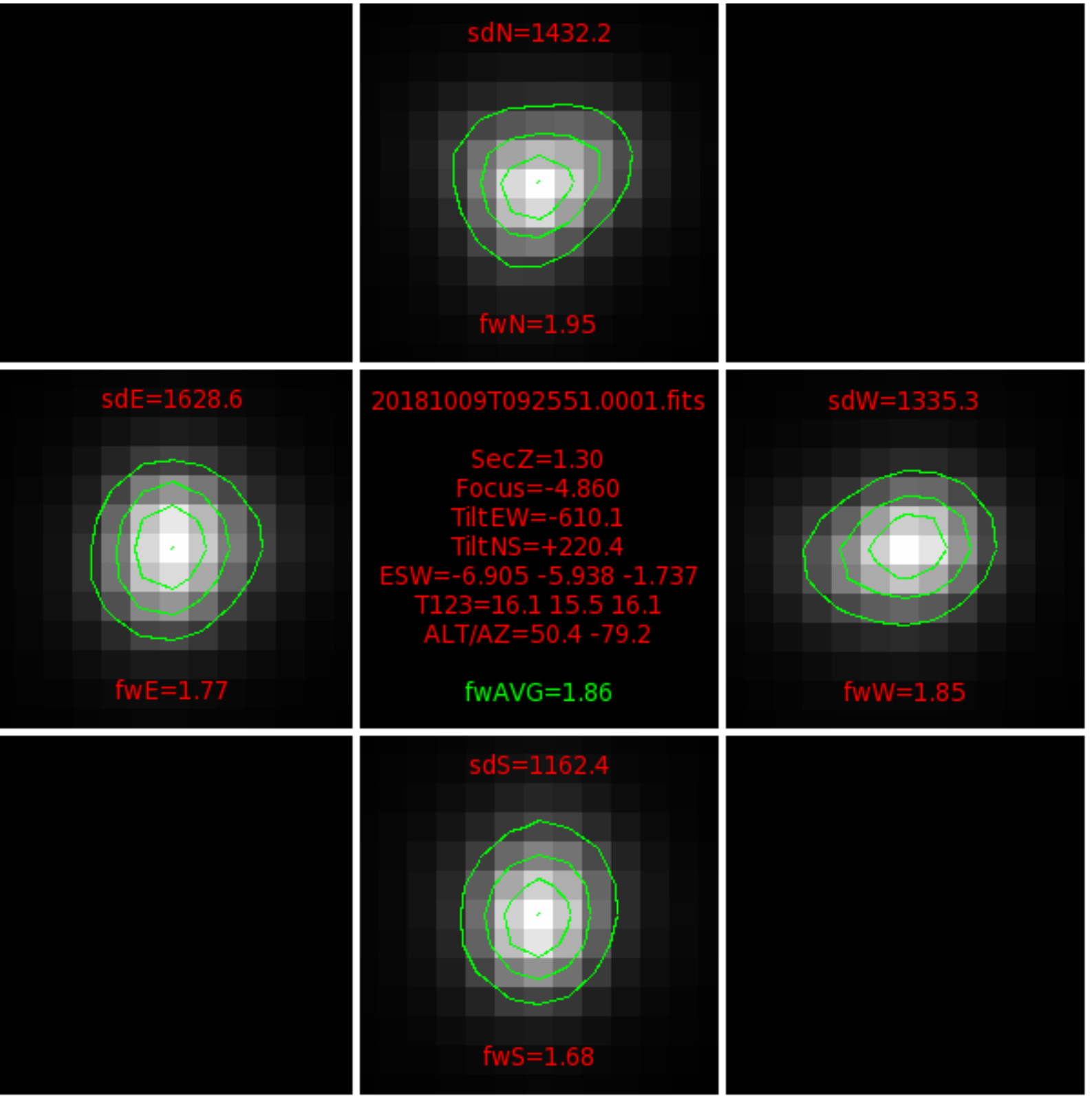
sdN=1432.2
fwN=1.95
sdE=1628.6
fwE=1.77
20181009T092551.0001.fits
SecZ=1.30
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=16.1 15.5 16.1
ALT/AZ=50.4 -79.2
fwAVG=1.86
sdW=1335.3
fwW=1.85
sdS=1162.4
fwS=1.68
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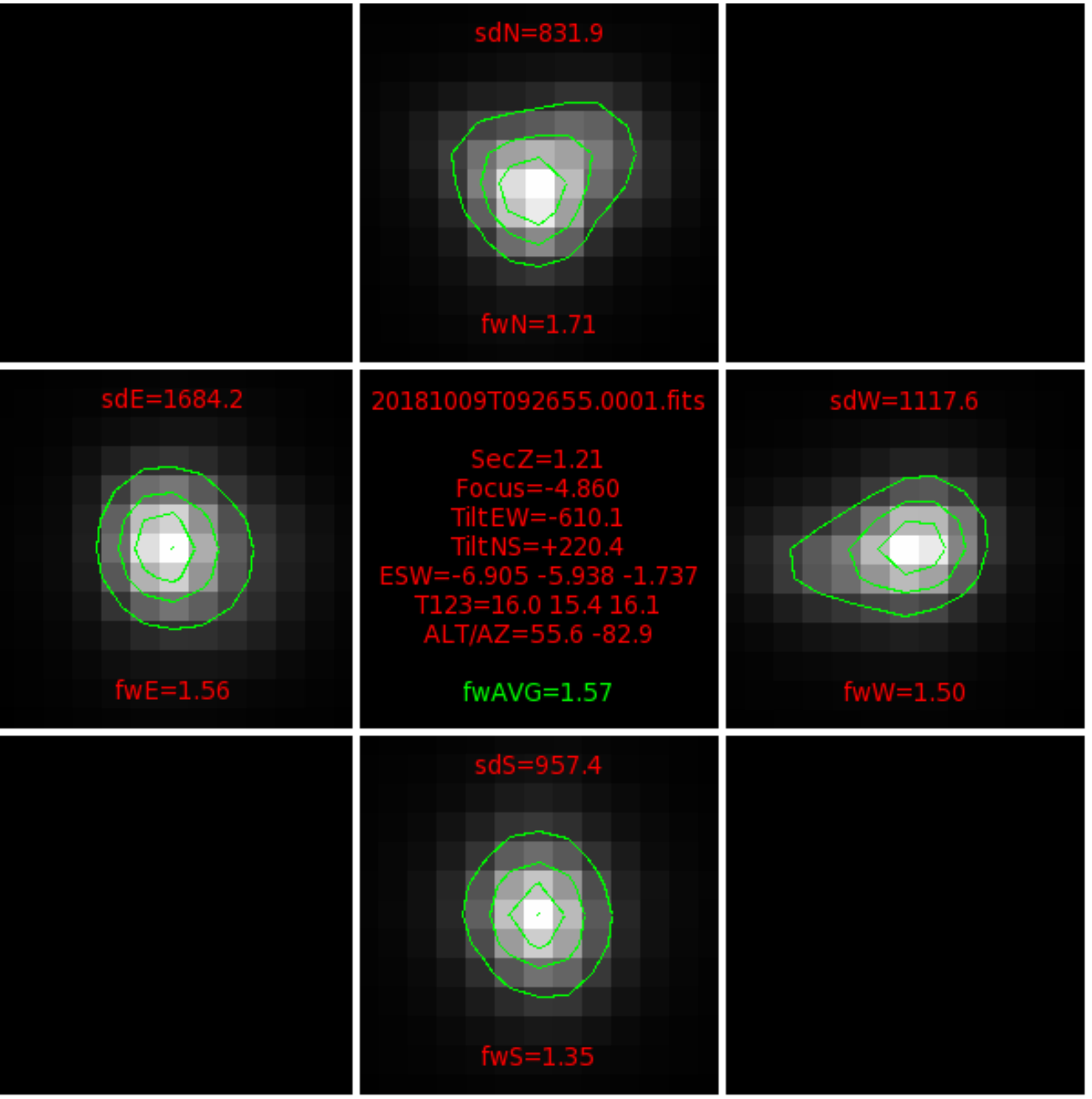
sdN=831.9
fwN=1.71
sdE=1684.2
fwE=1.56
20181009T092655.0001.fits
SecZ=1.21
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=16.0 15.4 16.1
ALT/AZ=55.6 -82.9
fwAVG=1.57
sdW=1117.6
fwW=1.50
sdS=957.4
fwS=1.35
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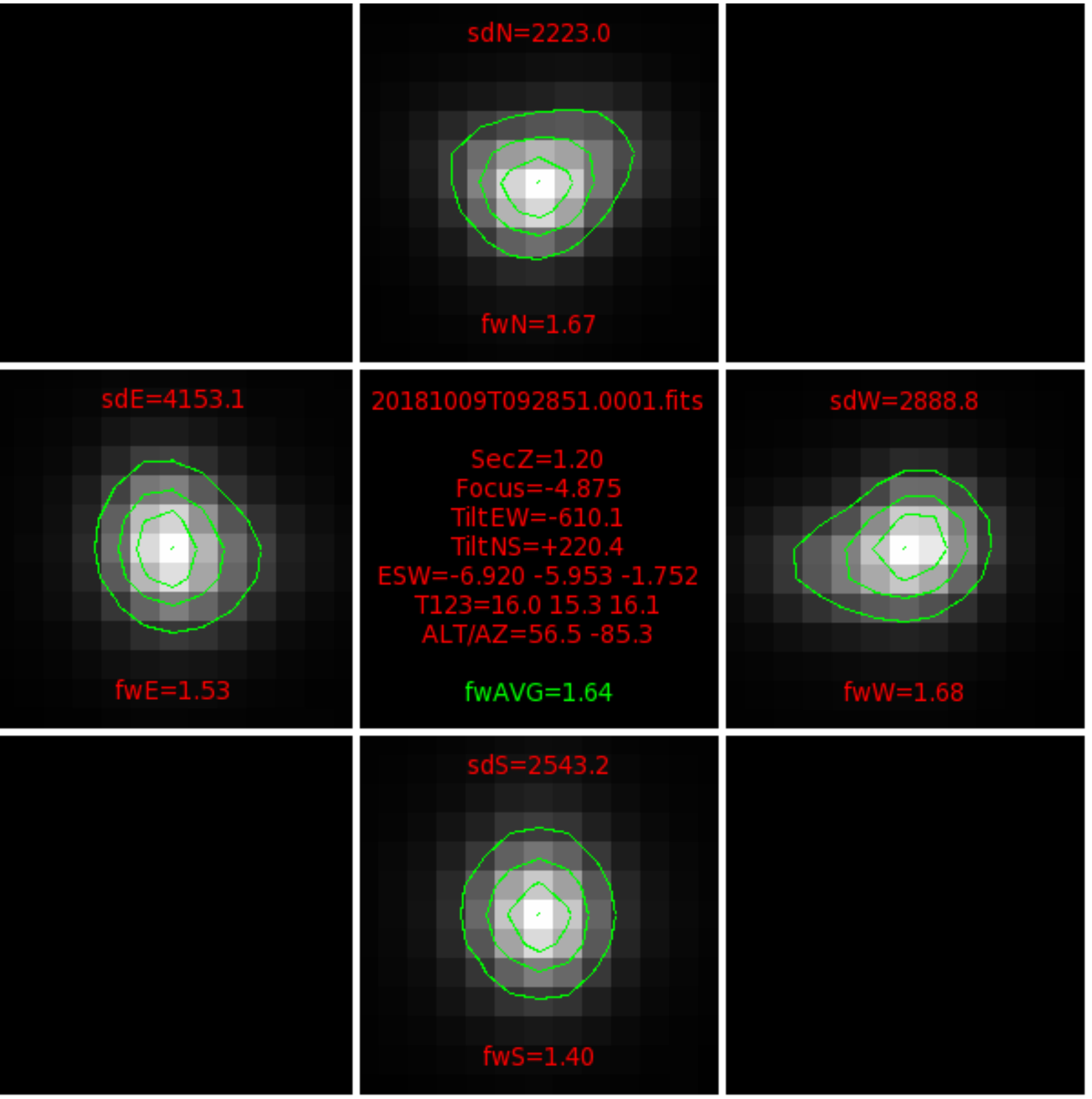
sdN=2223.0
fwN=1.67
sdE=4153.1
fwE=1.53
20181009T092851.0001.fits
SecZ=1.20
Focus=-4.875
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.920 -5.953 -1.752
T123=16.0 15.3 16.1
ALT/AZ=56.5 -85.3
fwAVG=1.64
sdW=2888.8
fwW=1.68
sdS=2543.2
fwS=1.40
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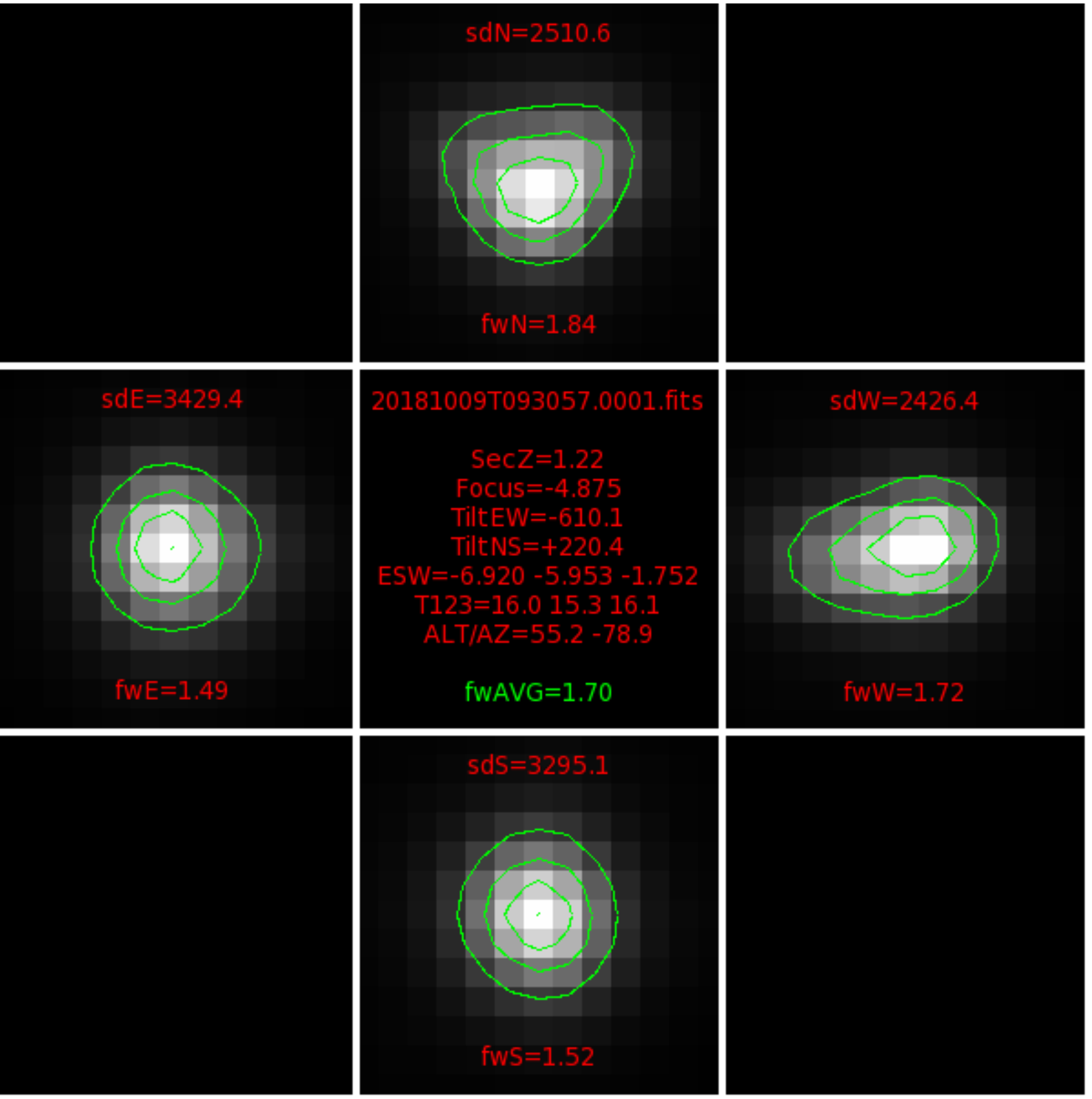
sdN=2510.6
fwN=1.84
sdE=3429.4
fwE=1.49
20181009T093057.0001.fits
SecZ=1.22
Focus=-4.875
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.920 -5.953 -1.752
T123=16.0 15.3 16.1
ALT/AZ=55.2 -78.9
fwAVG=1.70
sdW=2426.4
fwW=1.72
sdS=3295.1
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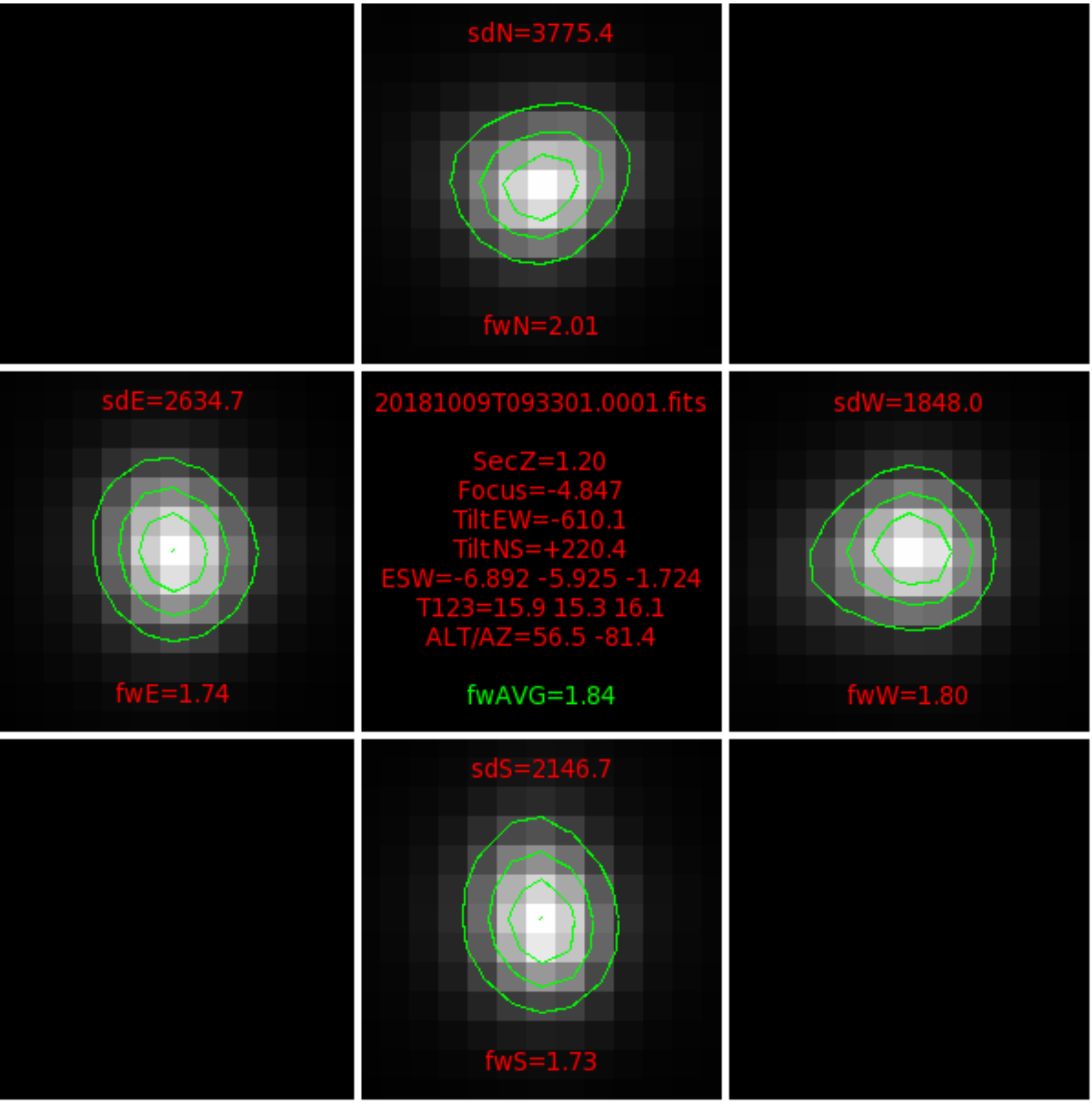
sdN=3775.4
fwN=2.01
sdE=2634.7
fwE=1.74
20181009T093301.0001.fits
SecZ=1.20
Focus=-4.847
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.892 -5.925 -1.724
T123=15.9 15.3 16.1
ALT/AZ=56.5 -81.4
fwAVG=1.84
sdW=1848.0
fwW=1.80
sdS=2146.7
fwS=1.73
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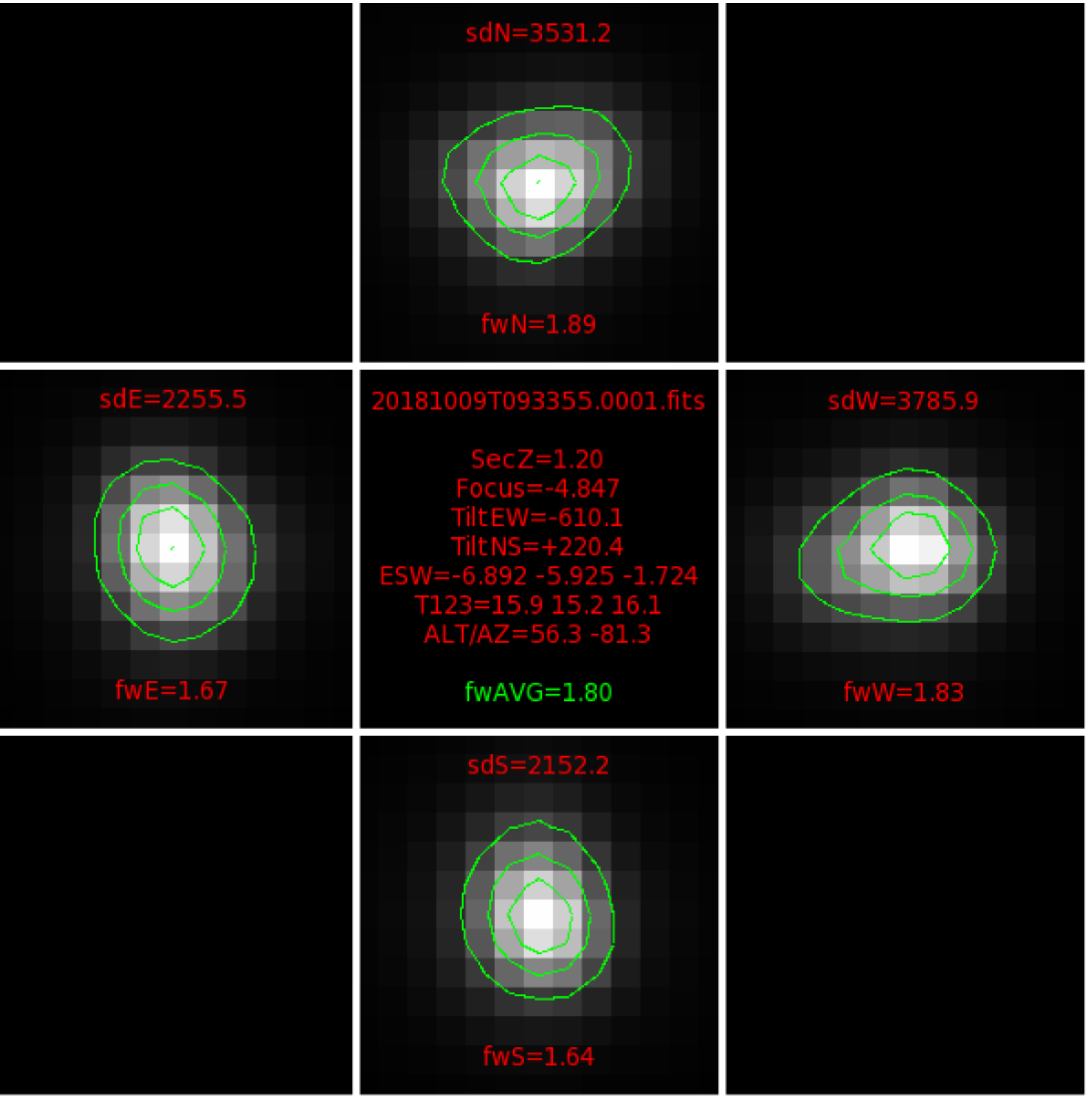
sdN=3531.2
fwN=1.89
sdE=2255.5
fwE=1.67
20181009T093355.0001.fits
SecZ=1.20
Focus=-4.847
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.892 -5.925 -1.724
T123=15.9 15.2 16.1
ALT/AZ=56.3 -81.3
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sdW=3785.9
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sdS=2152.2
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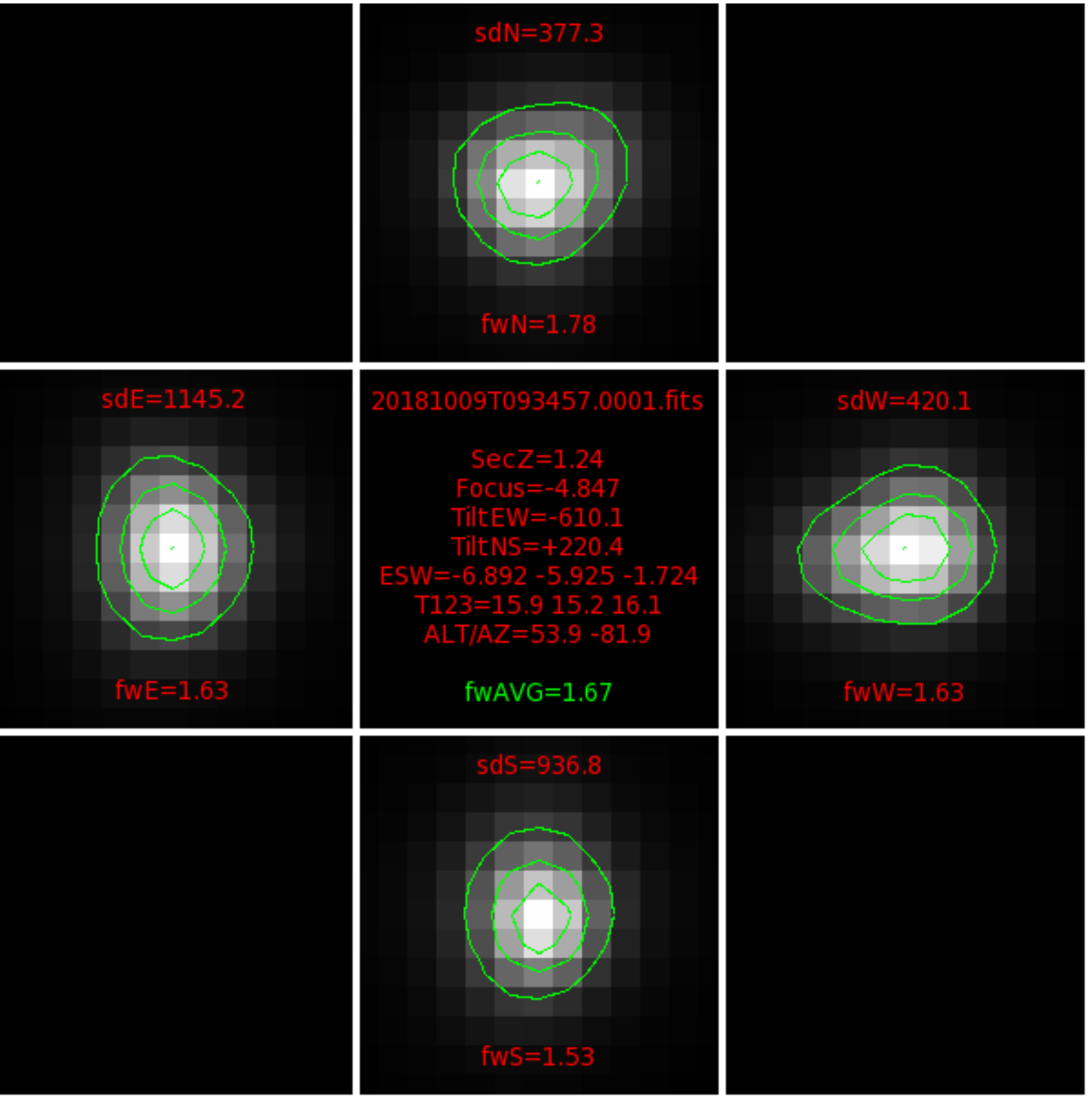
sdN=377.3
fwN=1.78
sdE=1145.2
fwE=1.63
20181009T093457.0001.fits
SecZ=1.24
Focus=-4.847
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.892 -5.925 -1.724
T123=15.9 15.2 16.1
ALT/AZ=53.9 -81.9
fwAVG=1.67
sdW=420.1
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sdS=936.8
fwS=1.53
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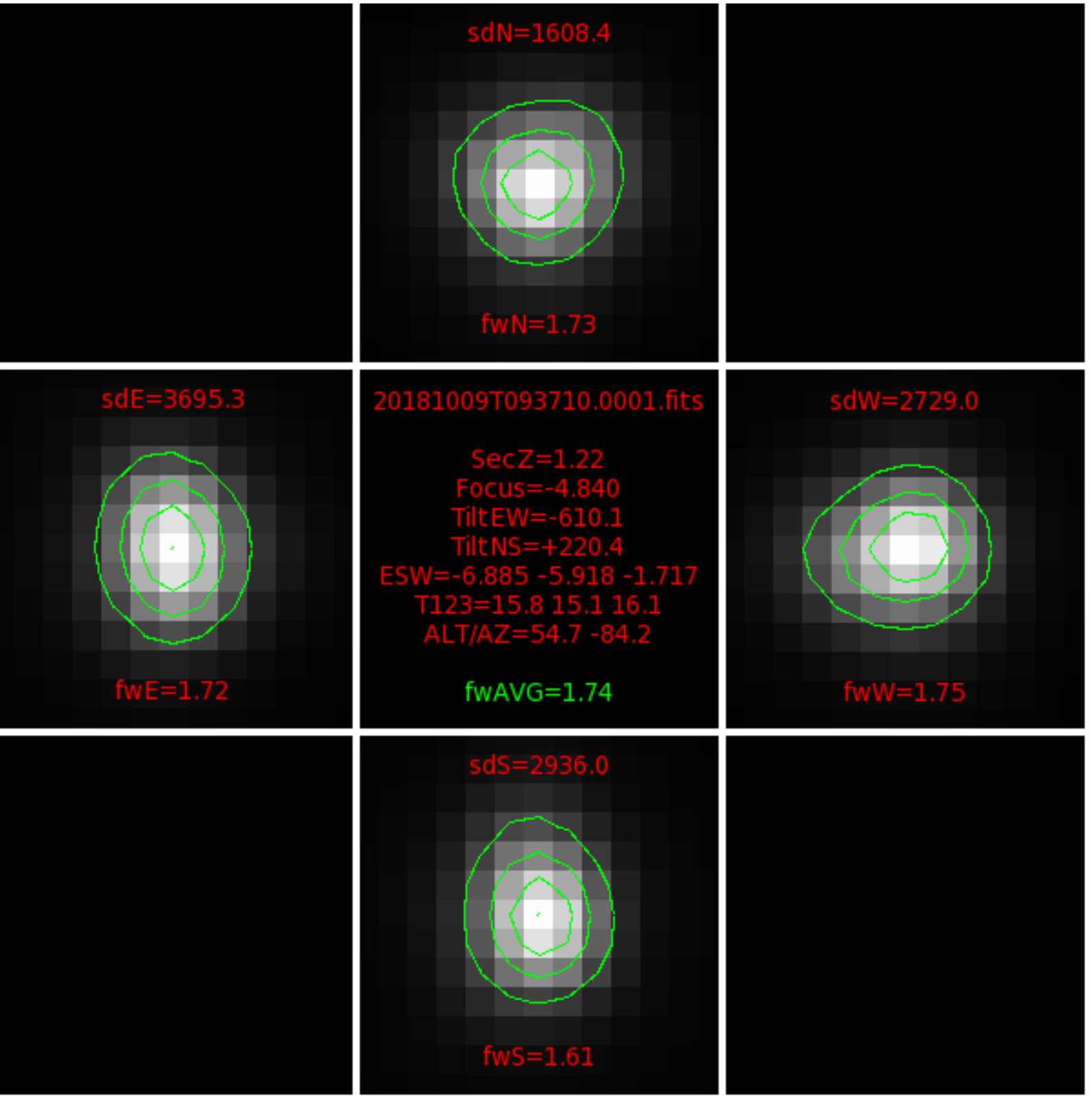
sdN=1608.4
fwN=1.73
sdE=3695.3
fwE=1.72
20181009T093710.0001.fits
SecZ=1.22
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.8 15.1 16.1
ALT/AZ=54.7 -84.2
fwAVG=1.74
sdW=2729.0
fwW=1.75
sdS=2936.0
fwS=1.61
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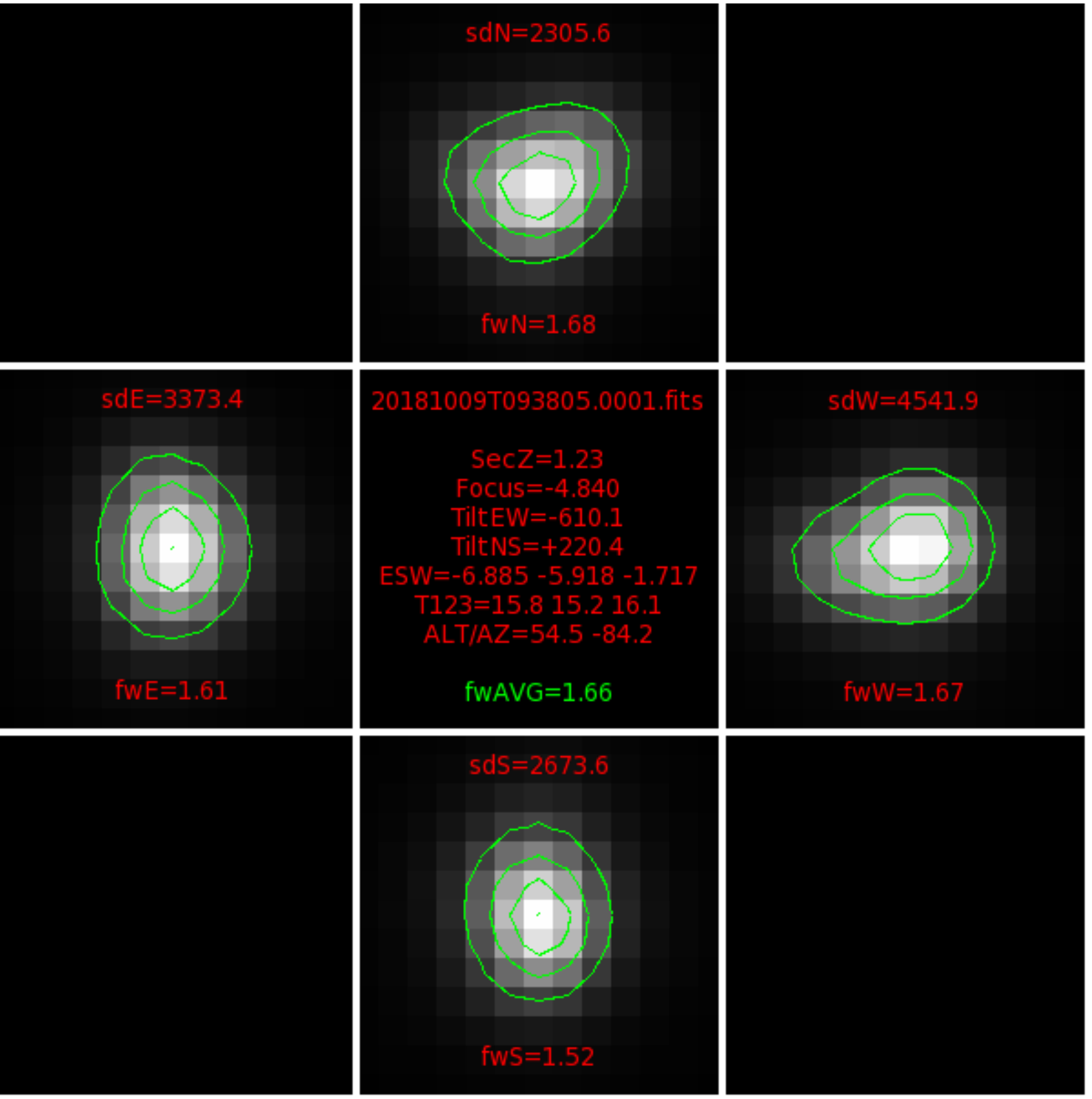
sdN=2305.6
fwN=1.68
sdE=3373.4
fwE=1.61
20181009T093805.0001.fits
SecZ=1.23
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.8 15.2 16.1
ALT/AZ=54.5 -84.2
fwAVG=1.66
sdW=4541.9
fwW=1.67
sdS=2673.6
fwS=1.52
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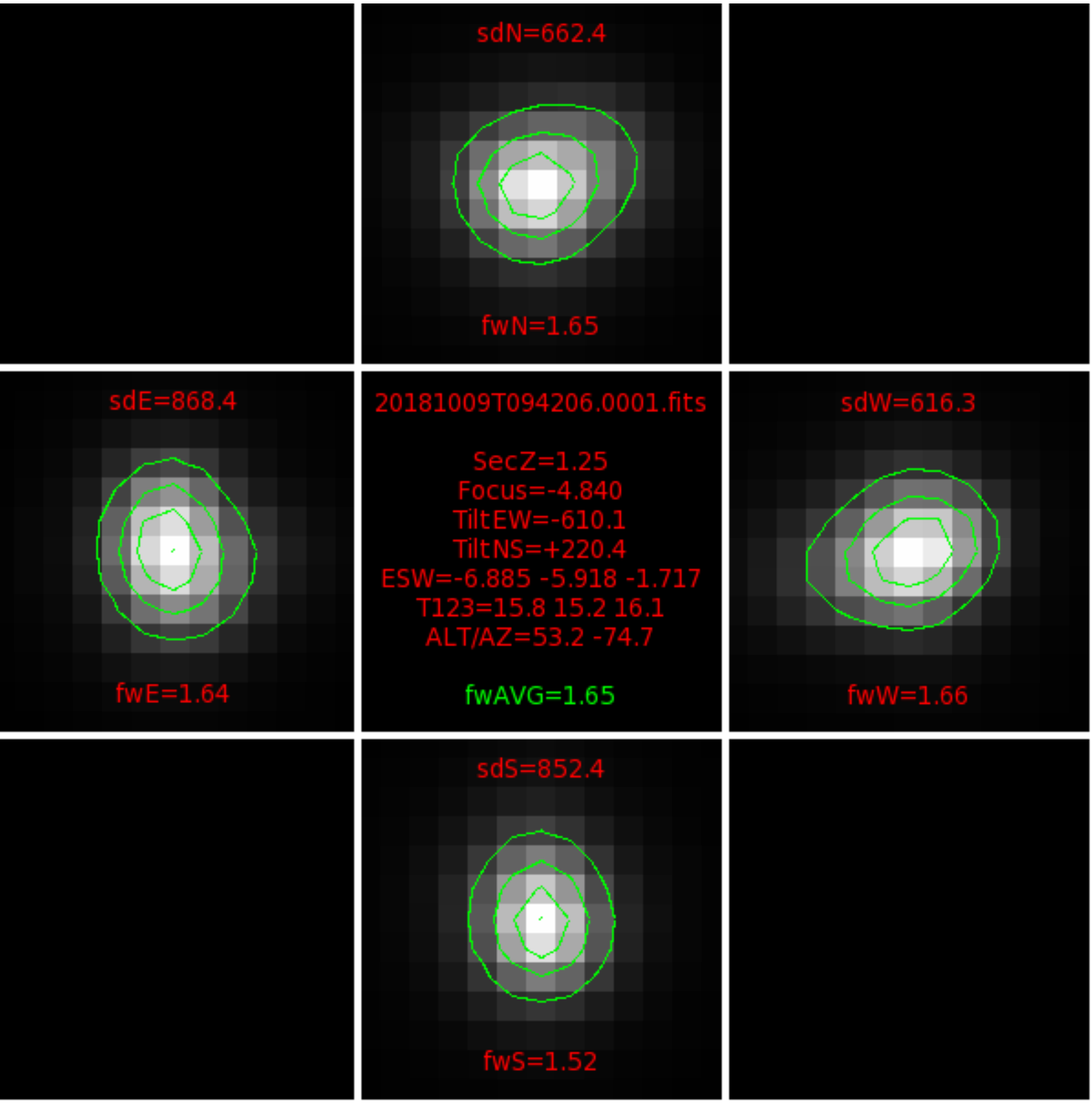
sdN=662.4
fwN=1.65
sdE=868.4
fwE=1.64
20181009T094206.0001.fits
SecZ=1.25
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.8 15.2 16.1
ALT/AZ=53.2 -74.7
fwAVG=1.65
sdW=616.3
fwW=1.66
sdS=852.4
fwS=1.52
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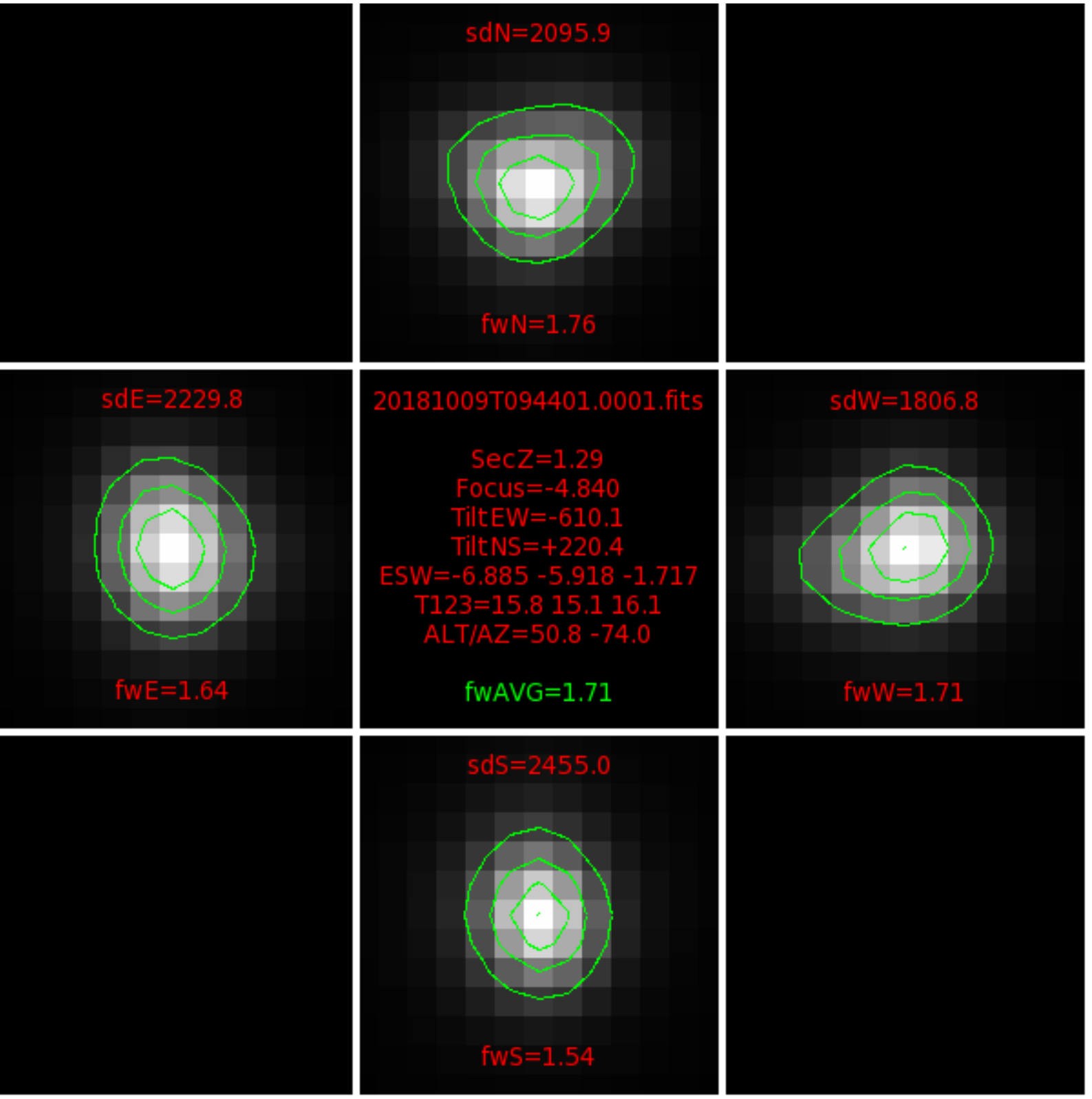
sdN=2095.9
fwN=1.76
sdE=2229.8
fwE=1.64
20181009T094401.0001.fits
SecZ=1.29
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.8 15.1 16.1
ALT/AZ=50.8 -74.0
fwAVG=1.71
sdW=1806.8
fwW=1.71
sdS=2455.0
fwS=1.54
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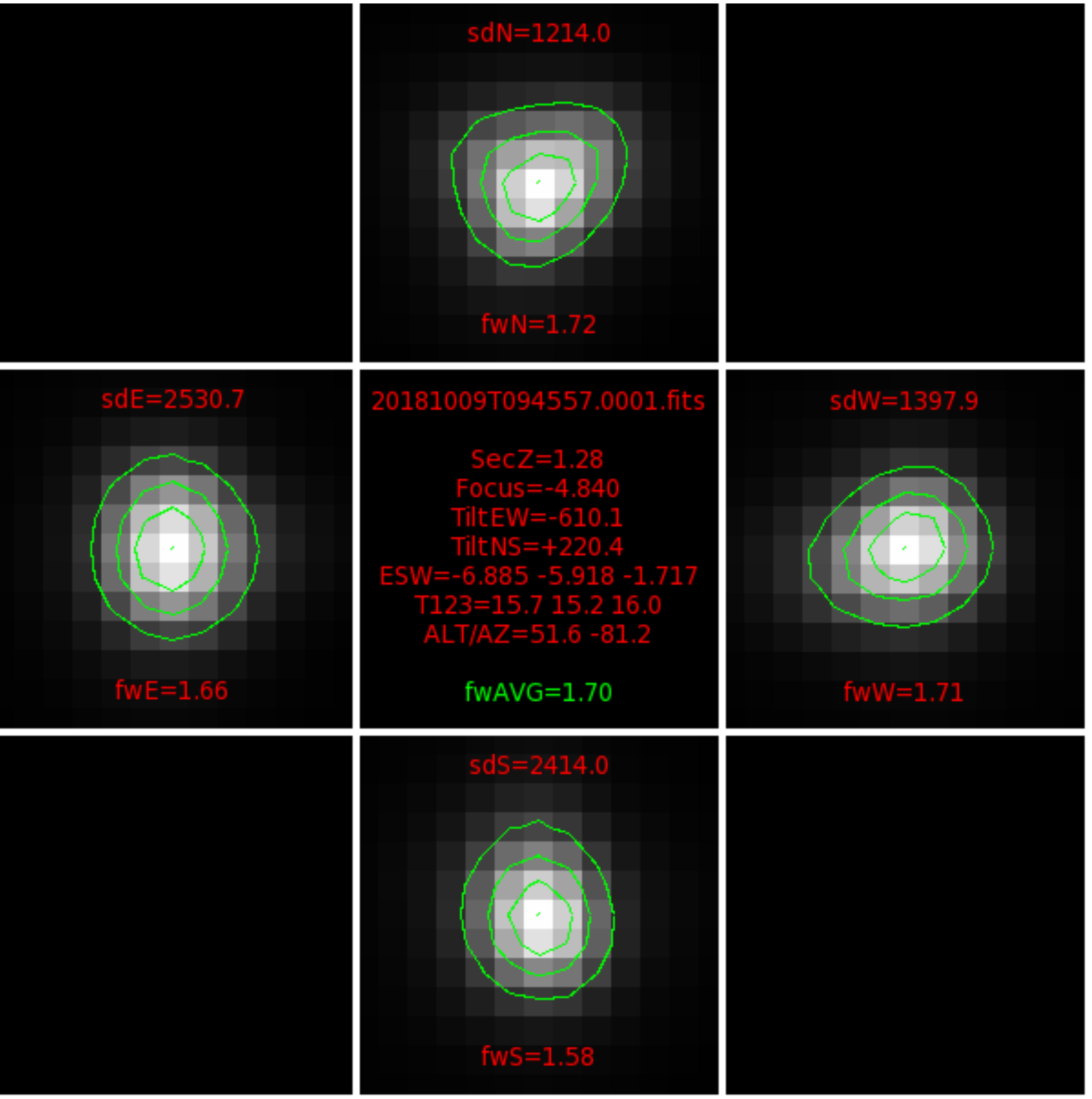
sdN=1214.0
fwN=1.72
sdE=2530.7
fwE=1.66
20181009T094557.0001.fits
SecZ=1.28
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.7 15.2 16.0
ALT/AZ=51.6 -81.2
fwAVG=1.70
sdW=1397.9
fwW=1.71
sdS=2414.0
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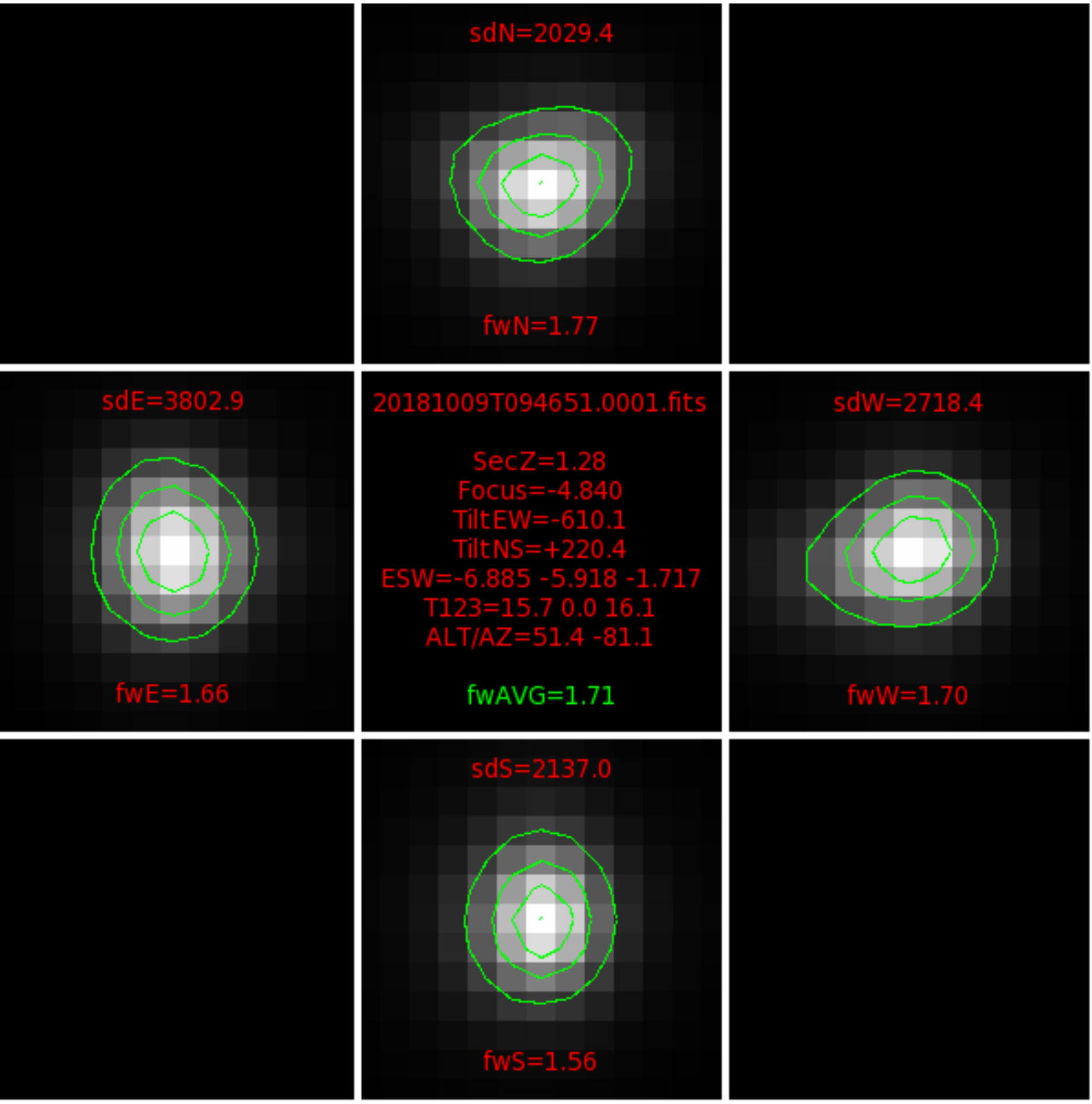
sdN=2029.4
fwN=1.77
sdE=3802.9
fwE=1.66
20181009T094651.0001.fits
SecZ=1.28
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.7 0.0 16.1
ALT/AZ=51.4 -81.1
fwAVG=1.71
sdW=2718.4
fwW=1.70
sdS=2137.0
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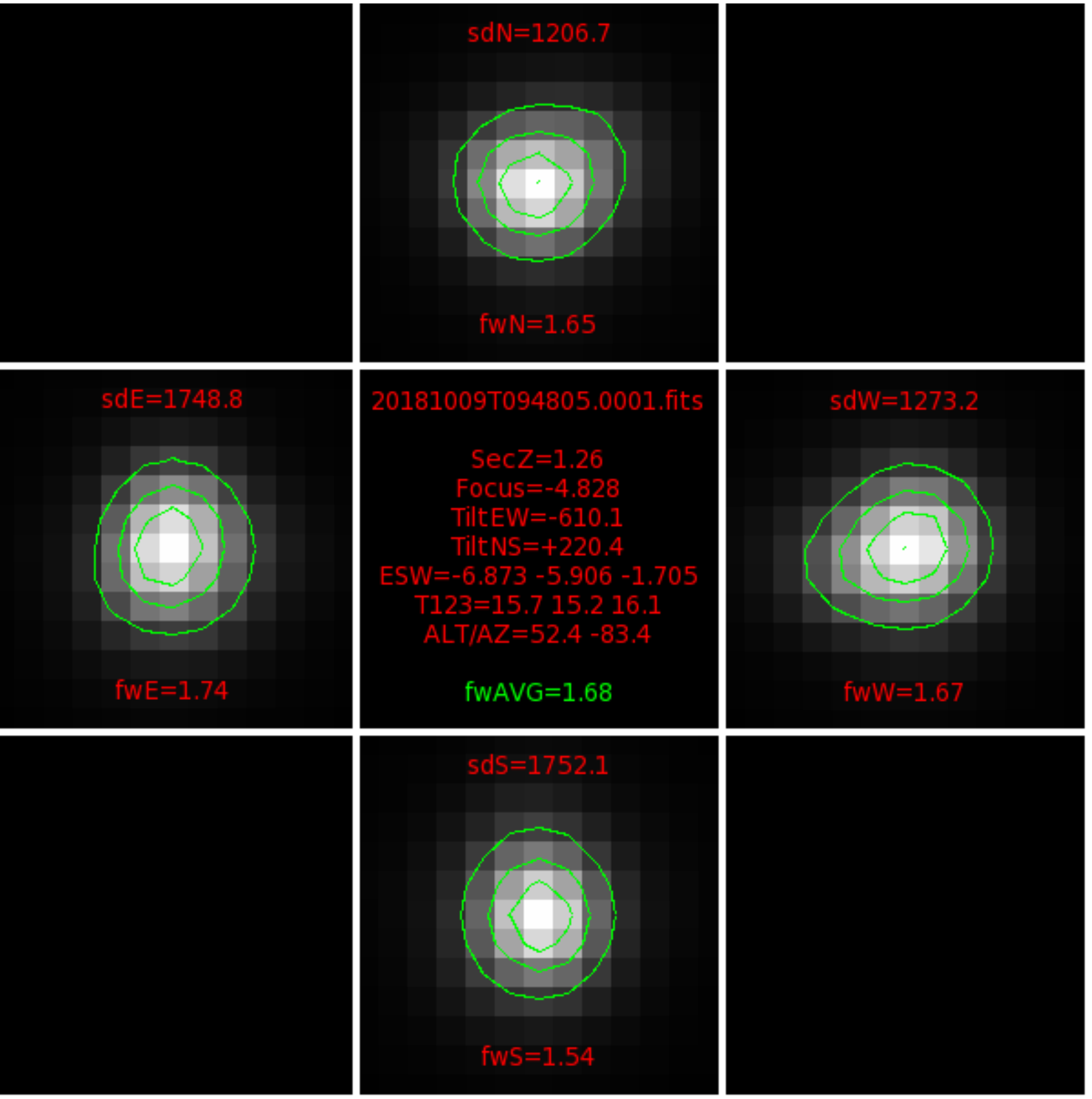
sdN=1206.7
fwN=1.65
sdE=1748.8
fwE=1.74
20181009T094805.0001.fits
SecZ=1.26
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.7 15.2 16.1
ALT/AZ=52.4 -83.4
fwAVG=1.68
sdW=1273.2
fwW=1.67
sdS=1752.1
fwS=1.54
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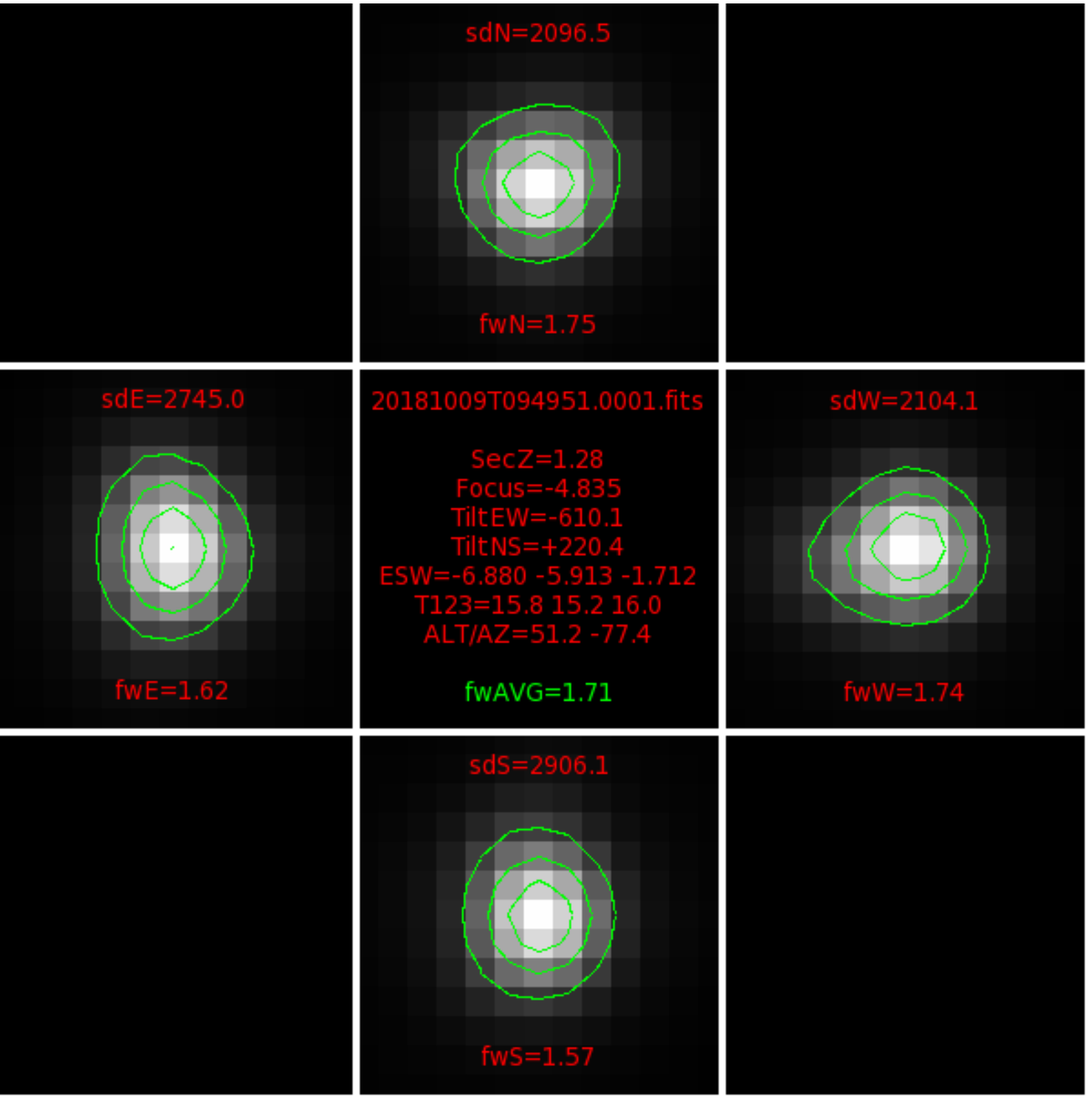
sdN=2096.5
fwN=1.75
sdE=2745.0
fwE=1.62
20181009T094951.0001.fits
SecZ=1.28
Focus=-4.835
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.880 -5.913 -1.712
T123=15.8 15.2 16.0
ALT/AZ=51.2 -77.4
fwAVG=1.71
sdW=2104.1
fwW=1.74
sdS=2906.1
fwS=1.57
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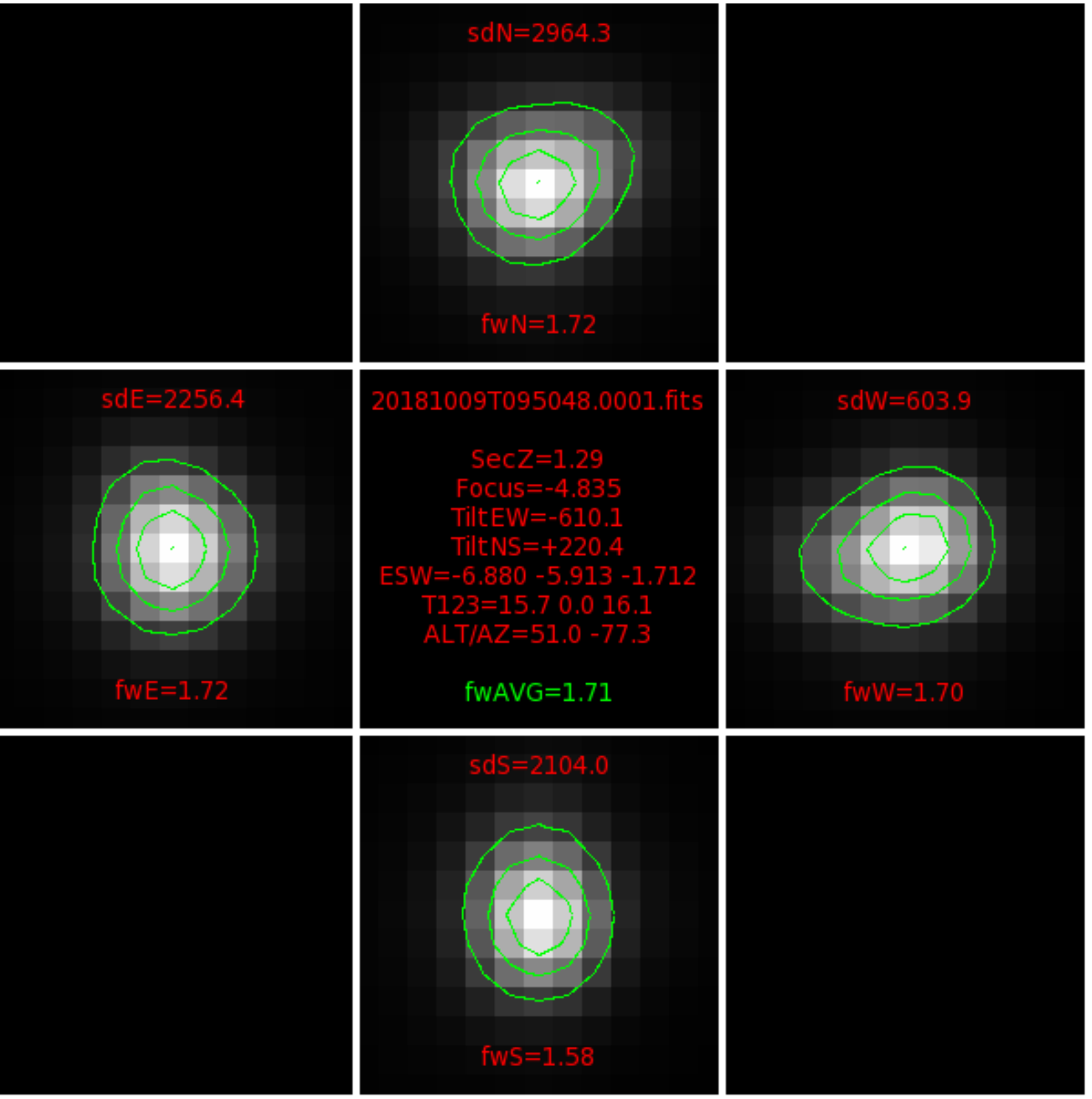
sdN=2964.3
fwN=1.72
sdE=2256.4
fwE=1.72
20181009T095048.0001.fits
SecZ=1.29
Focus=-4.835
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.880 -5.913 -1.712
T123=15.7 0.0 16.1
ALT/AZ=51.0 -77.3
fwAVG=1.71
sdW=603.9
fwW=1.70
sdS=2104.0
fwS=1.58
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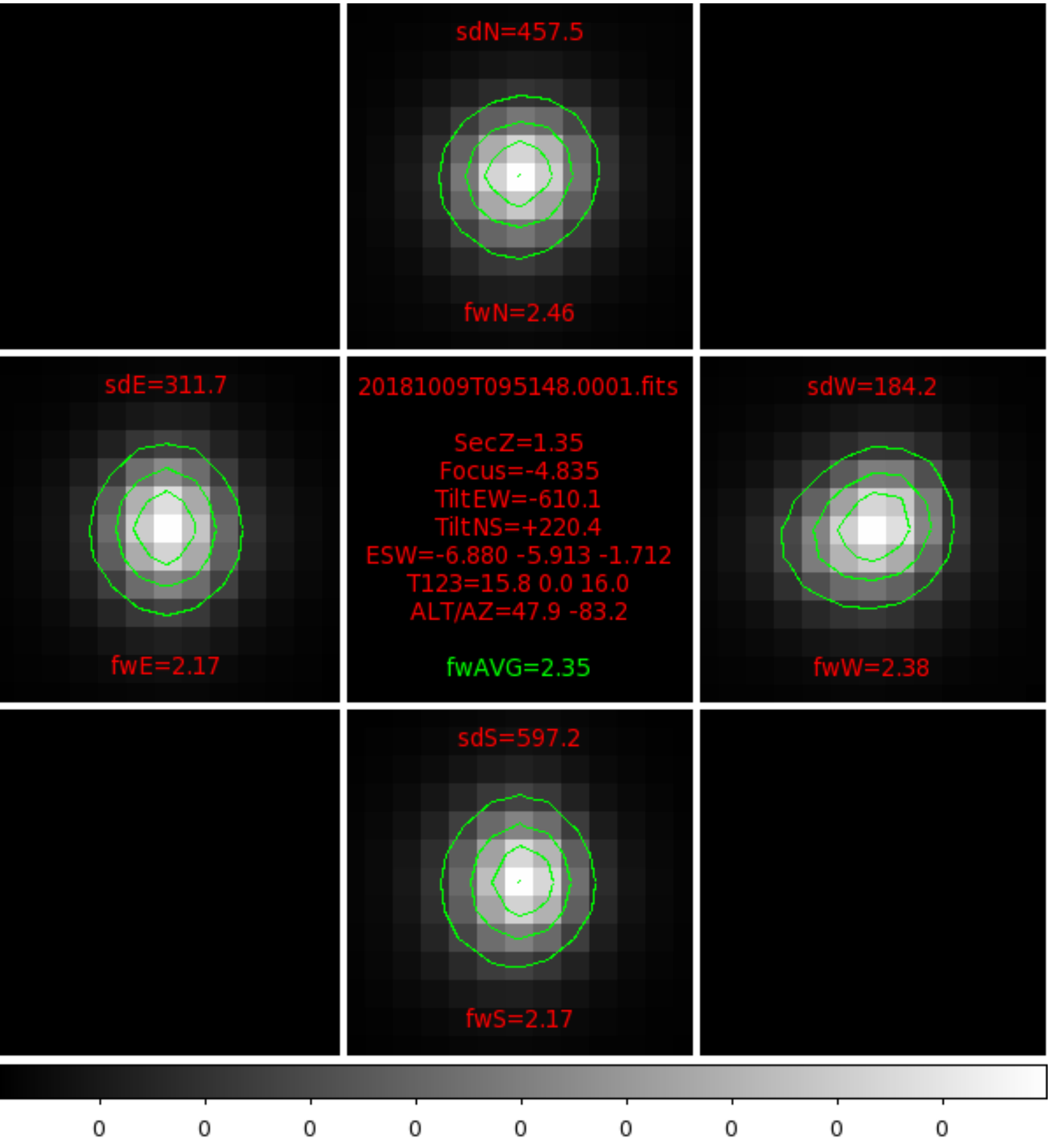
sdN=457.5
fwN=2.46
sdE=311.7
fwE=2.17
20181009T095148.0001.fits
SecZ=1.35
Focus=-4.835
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.880 -5.913 -1.712
T123=15.8 0.0 16.0
ALT/AZ=47.9 -83.2
fwAVG=2.35
sdW=184.2
fwW=2.38
sdS=597.2
fwS=2.17
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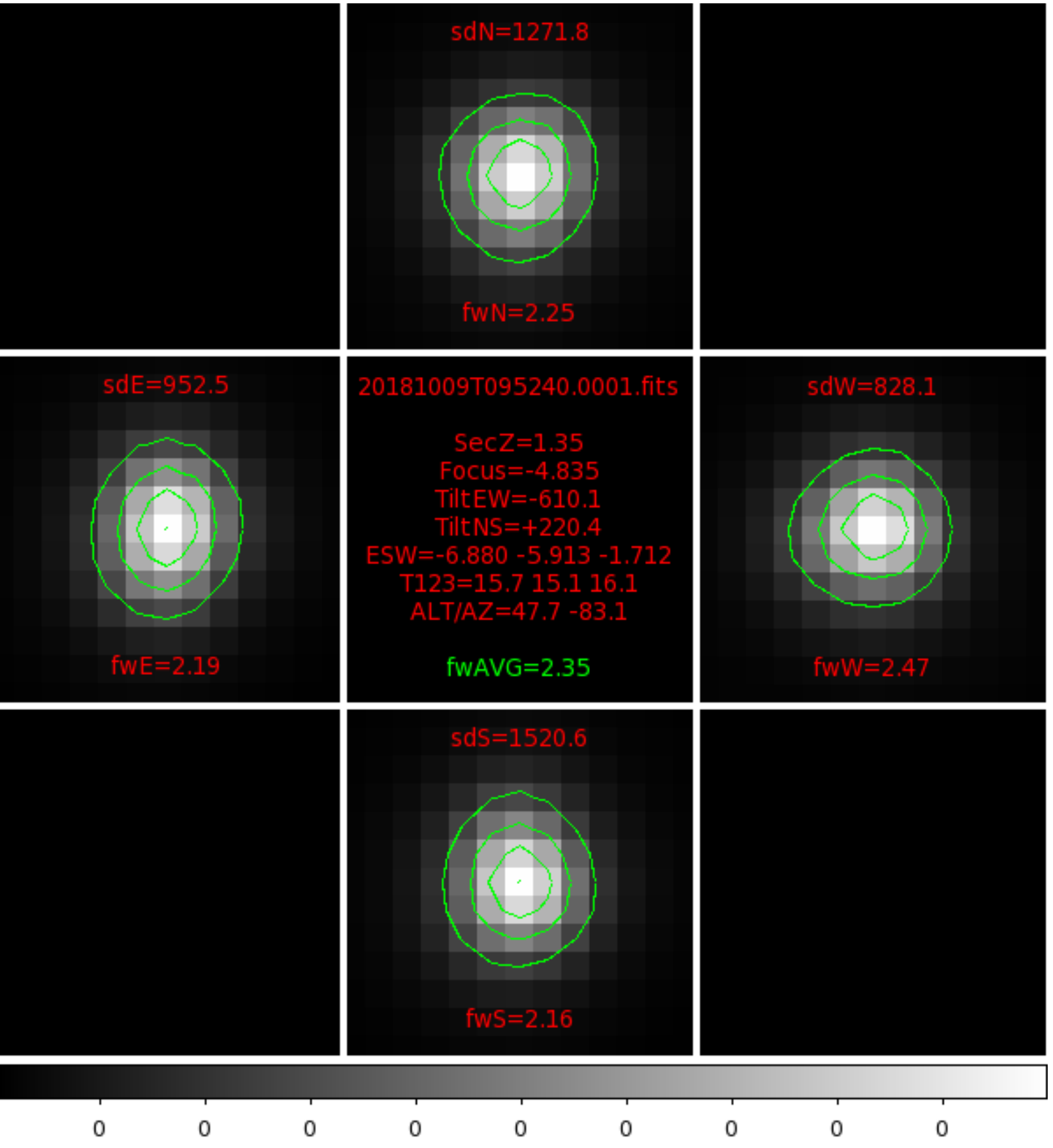
sdN=1271.8
fwN=2.25
sdE=952.5
fwE=2.19
20181009T095240.0001.fits
SecZ=1.35
Focus=-4.835
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.880 -5.913 -1.712
T123=15.7 15.1 16.1
ALT/AZ=47.7 -83.1
fwAVG=2.35
sdW=828.1
fwW=2.47
sdS=1520.6
fwS=2.16
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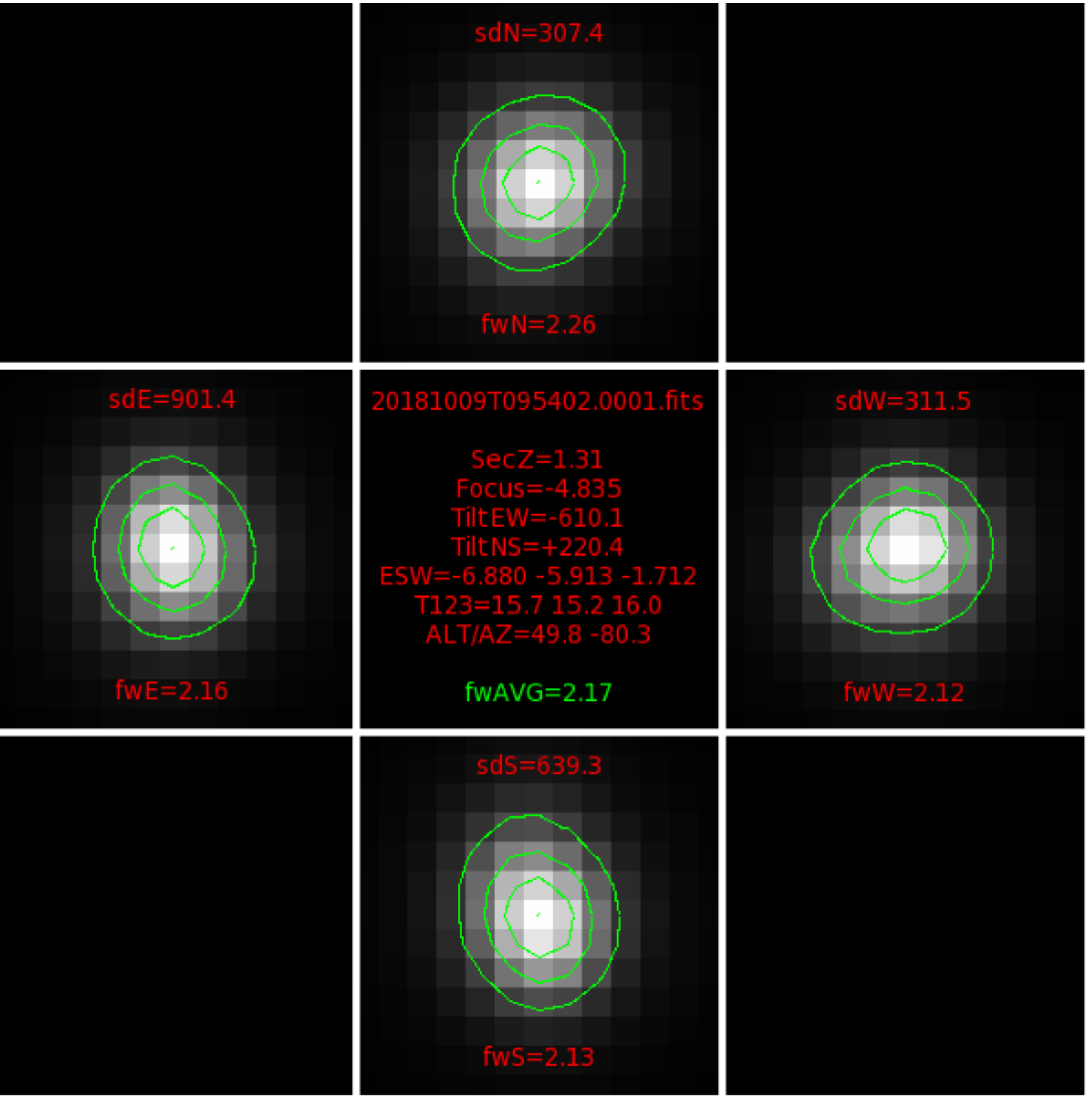
sdN=307.4
fwN=2.26
sdE=901.4
fwE=2.16
20181009T095402.0001.fits
SecZ=1.31
Focus=-4.835
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.880 -5.913 -1.712
T123=15.7 15.2 16.0
ALT/AZ=49.8 -80.3
fwAVG=2.17
sdW=311.5
fwW=2.12
sdS=639.3
fwS=2.13
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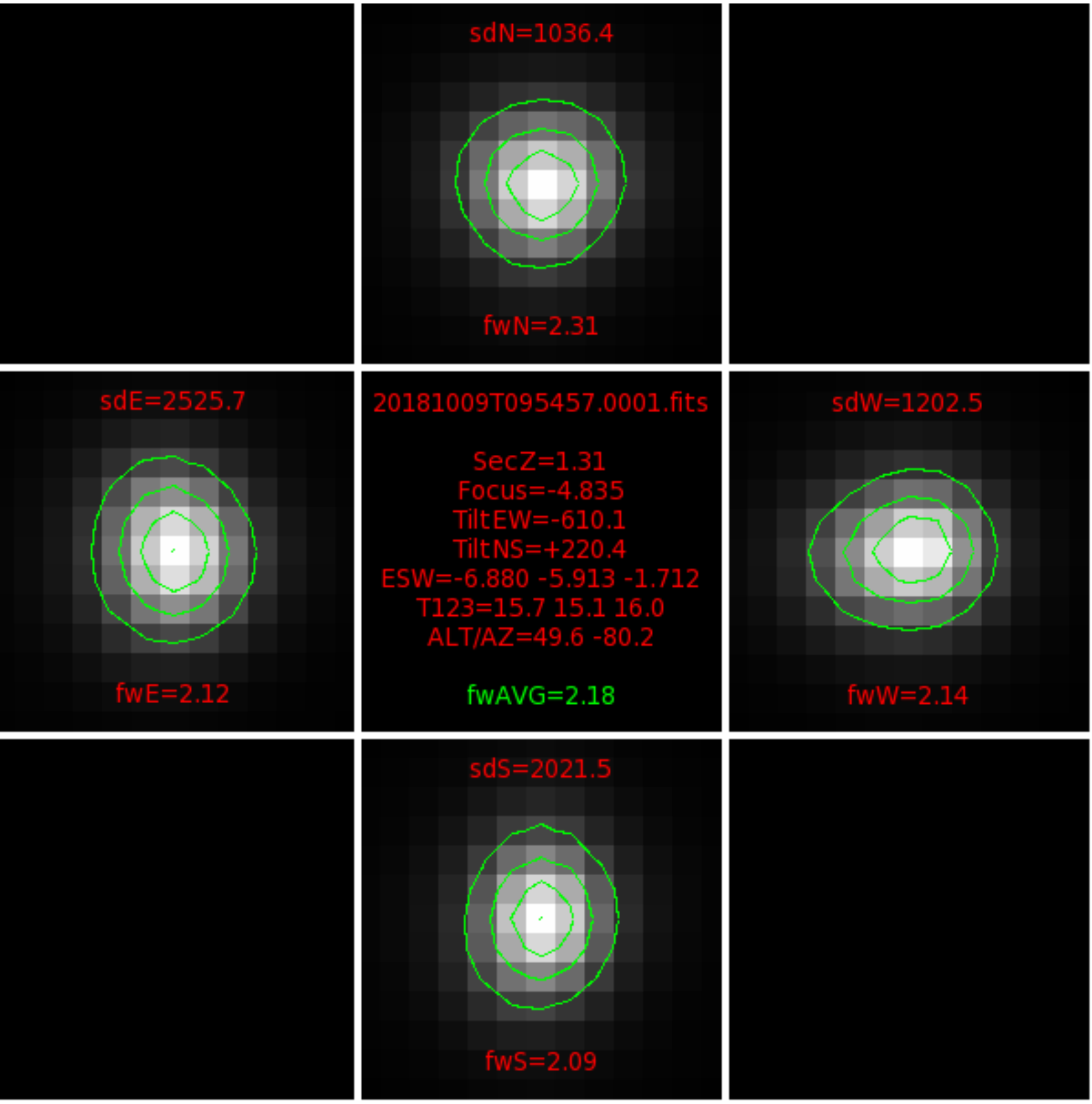
sdN=1036.4
fwN=2.31
sdE=2525.7
fwE=2.12
20181009T095457.0001.fits
SecZ=1.31
Focus=-4.835
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.880 -5.913 -1.712
T123=15.7 15.1 16.0
ALT/AZ=49.6 -80.2
fwAVG=2.18
sdW=1202.5
fwW=2.14
sdS=2021.5
fwS=2.09
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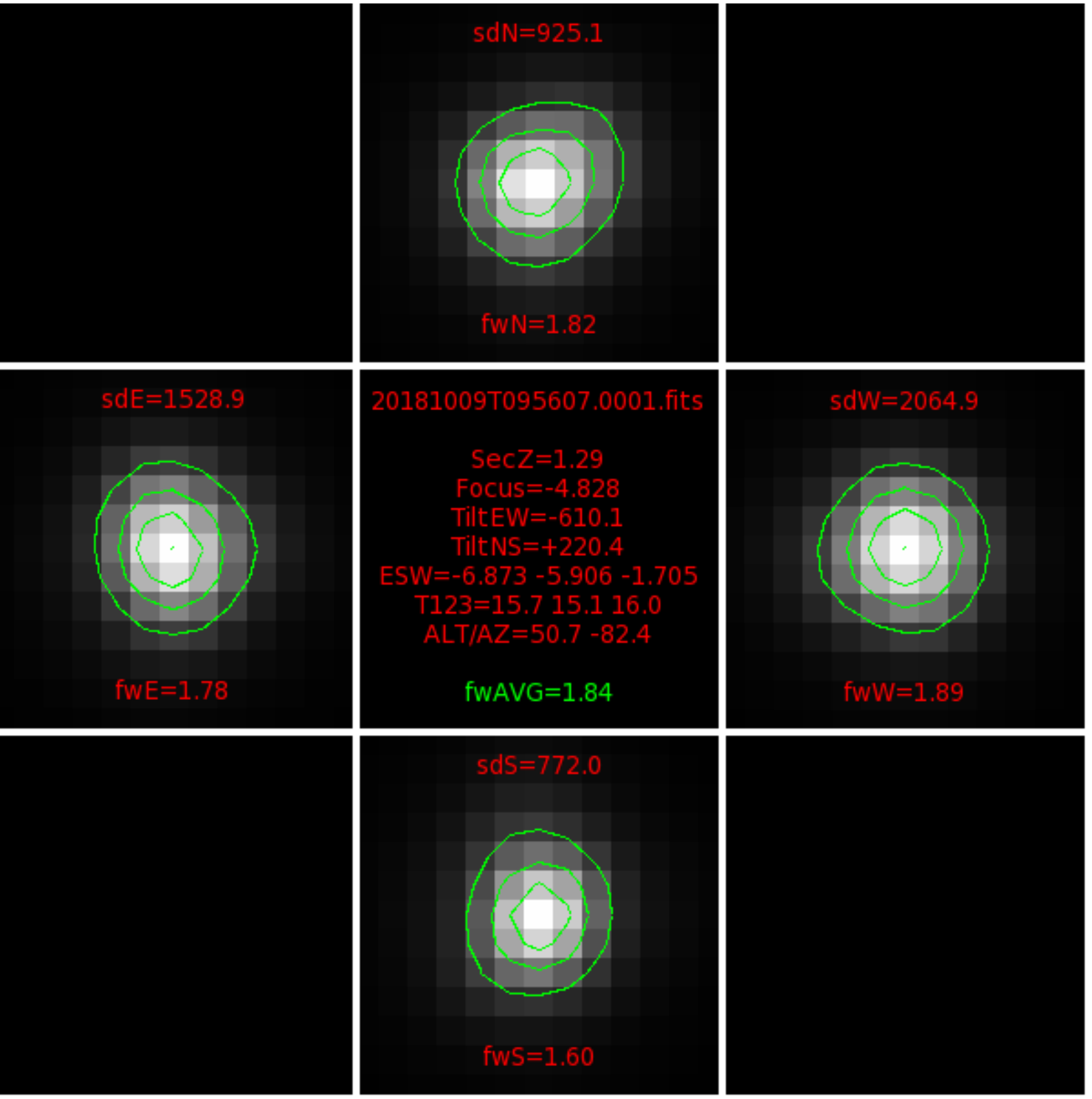
sdN=925.1
fwN=1.82
sdE=1528.9
fwE=1.78
20181009T095607.0001.fits
SecZ=1.29
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.7 15.1 16.0
ALT/AZ=50.7 -82.4
fwAVG=1.84
sdW=2064.9
fwW=1.89
sdS=772.0
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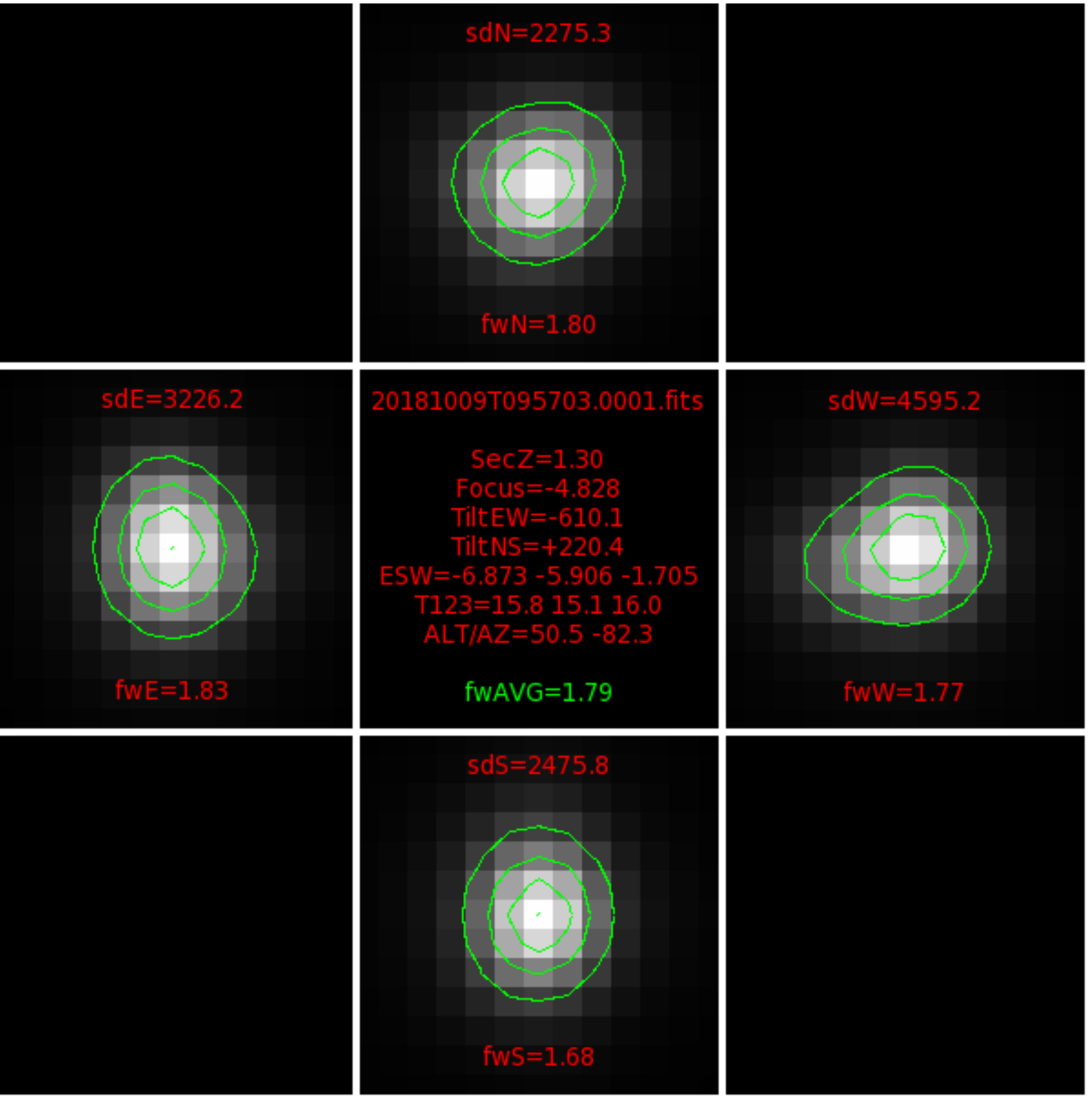
sdN=2275.3
fwN=1.80
sdE=3226.2
fwE=1.83
20181009T095703.0001.fits
SecZ=1.30
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.8 15.1 16.0
ALT/AZ=50.5 -82.3
fwAVG=1.79
sdW=4595.2
fwW=1.77
sdS=2475.8
fwS=1.68
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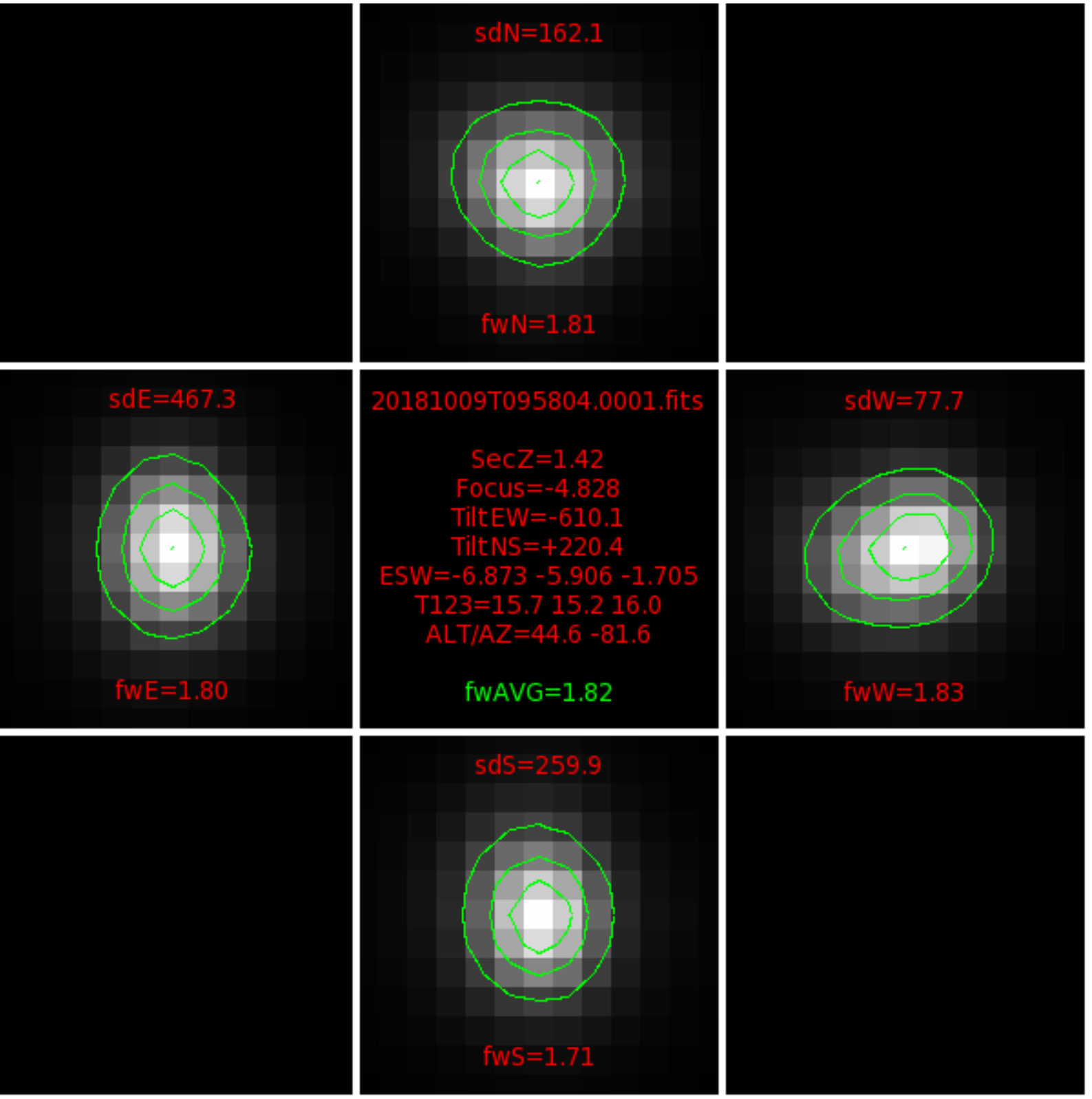
sdN=162.1
fwN=1.81
sdE=467.3
fwE=1.80
20181009T095804.0001.fits
SecZ=1.42
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.7 15.2 16.0
ALT/AZ=44.6 -81.6
fwAVG=1.82
sdW=77.7
fwW=1.83
sdS=259.9
fwS=1.71
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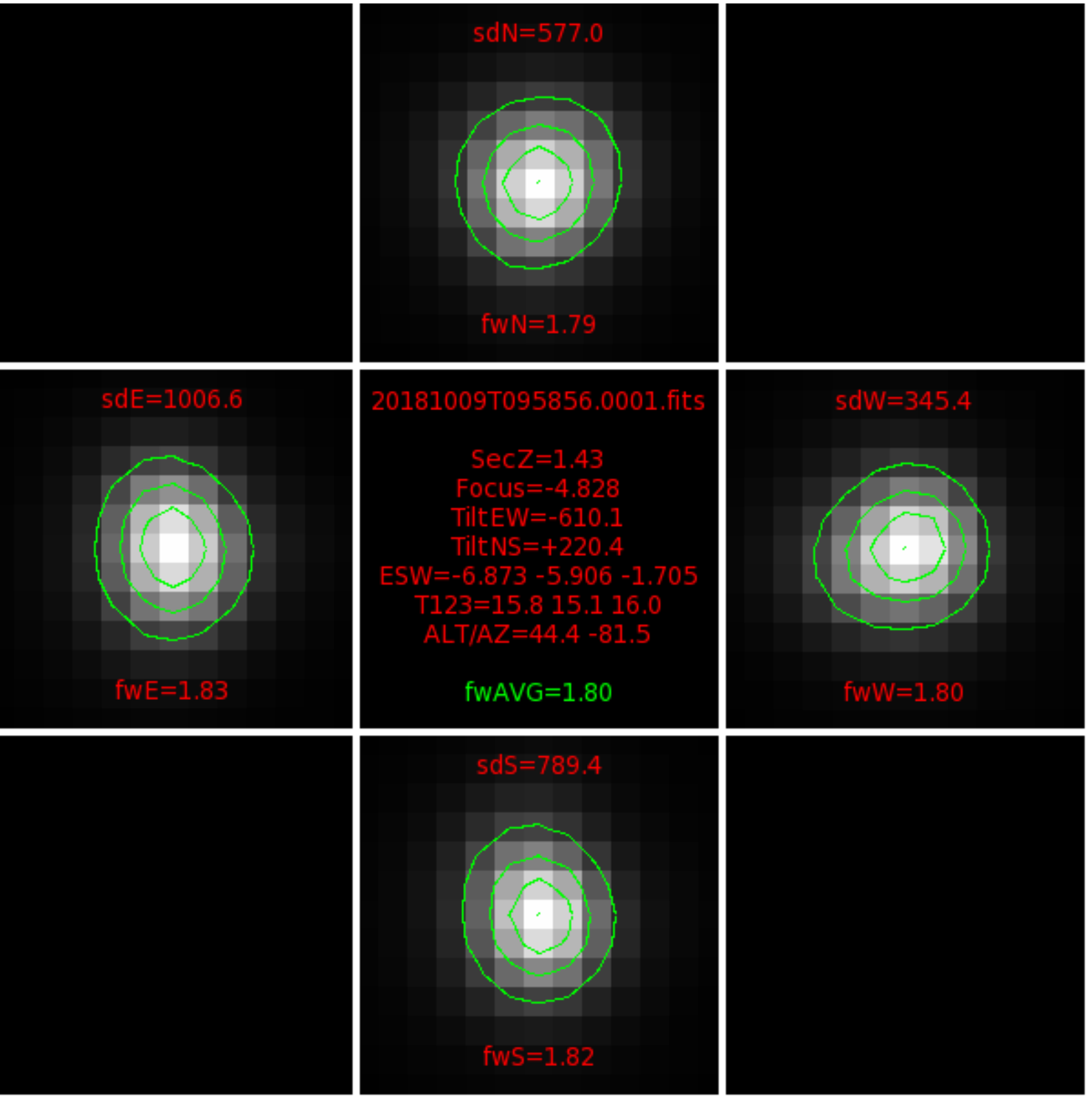
sdN=577.0
fwN=1.79
sdE=1006.6
fwE=1.83
20181009T095856.0001.fits
SecZ=1.43
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.8 15.1 16.0
ALT/AZ=44.4 -81.5
fwAVG=1.80
sdW=345.4
fwW=1.80
sdS=789.4
fwS=1.82
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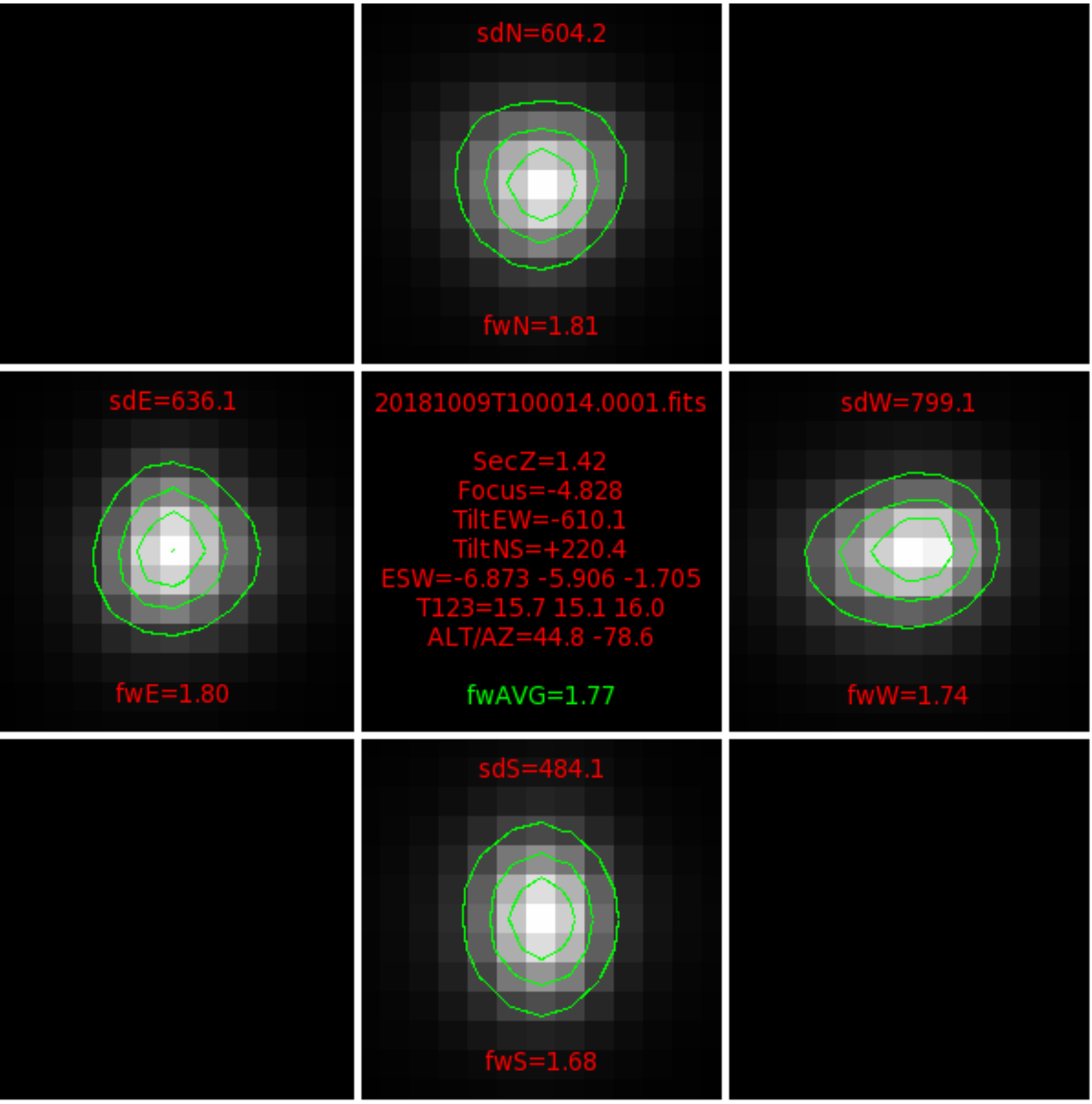
sdN=604.2
fwN=1.81
sdE=636.1
fwE=1.80
20181009T100014.0001.fits
SecZ=1.42
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.7 15.1 16.0
ALT/AZ=44.8 -78.6
fwAVG=1.77
sdW=799.1
fwW=1.74
sdS=484.1
fwS=1.68
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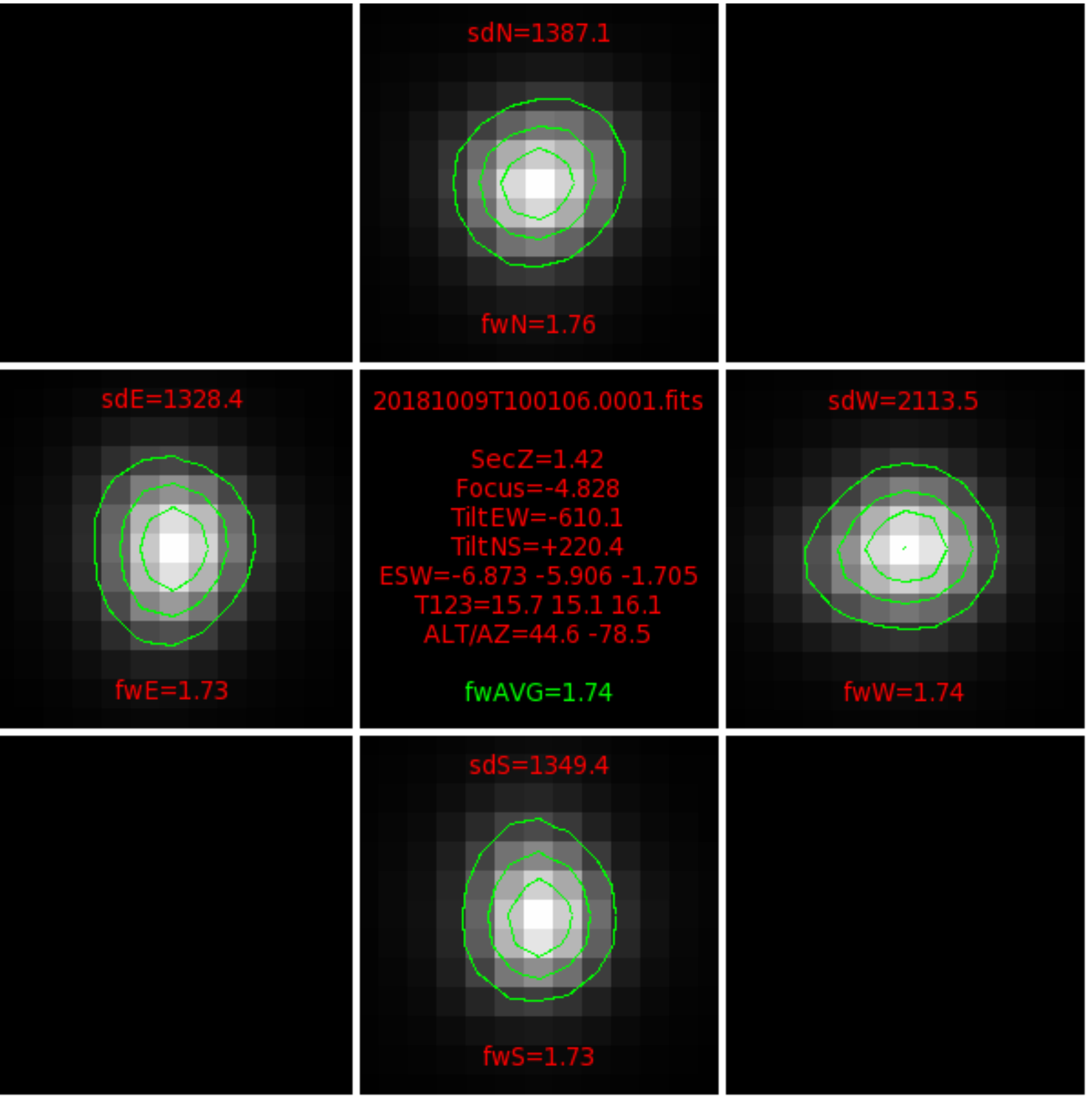
sdN=1387.1
fwN=1.76
sdE=1328.4
fwE=1.73
20181009T100106.0001.fits
SecZ=1.42
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.7 15.1 16.1
ALT/AZ=44.6 -78.5
fwAVG=1.74
sdW=2113.5
fwW=1.74
sdS=1349.4
fwS=1.73
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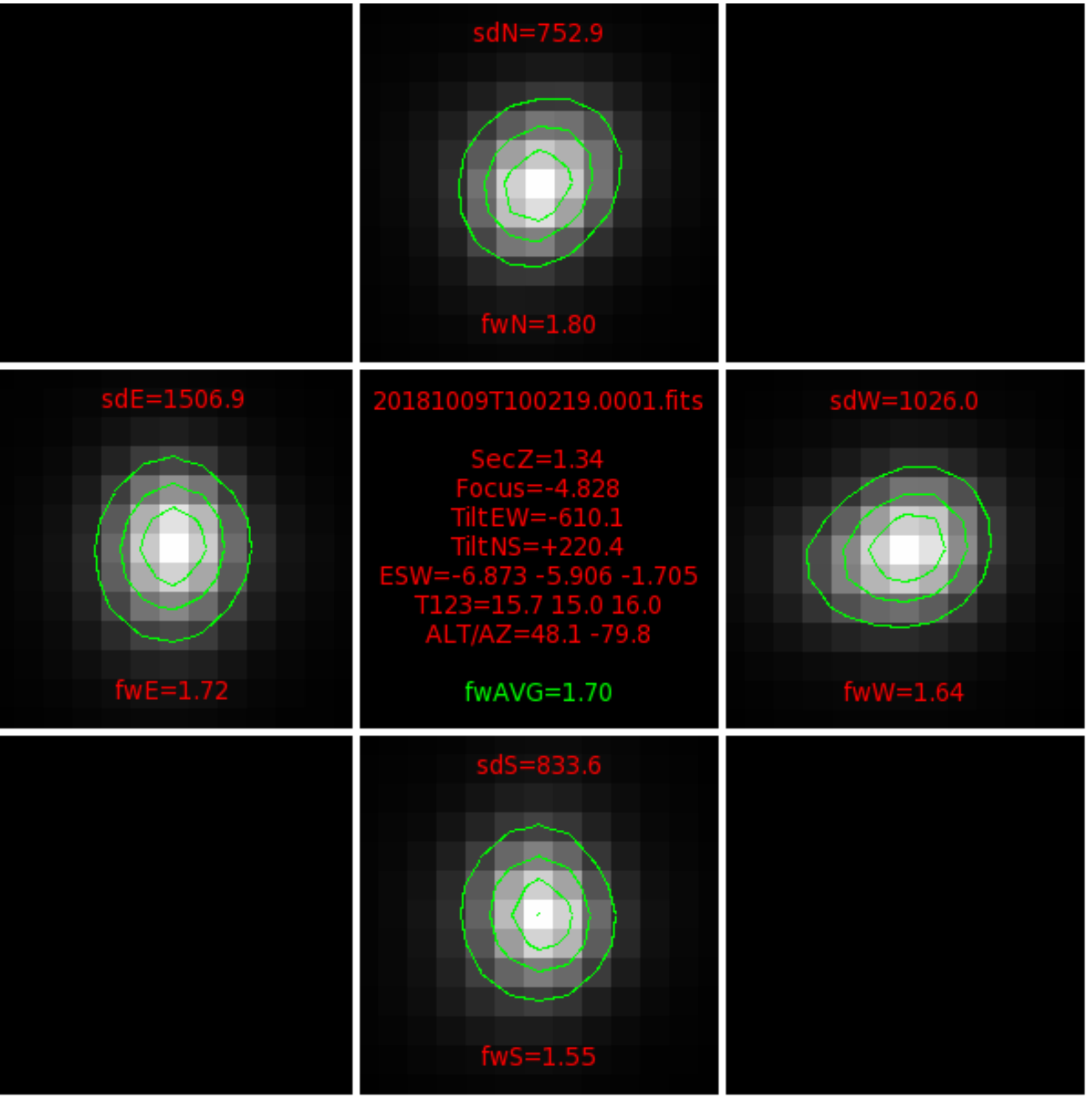
sdN=752.9
fwN=1.80
sdE=1506.9
fwE=1.72
20181009T100219.0001.fits
SecZ=1.34
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.7 15.0 16.0
ALT/AZ=48.1 -79.8
fwAVG=1.70
sdW=1026.0
fwW=1.64
sdS=833.6
fwS=1.55
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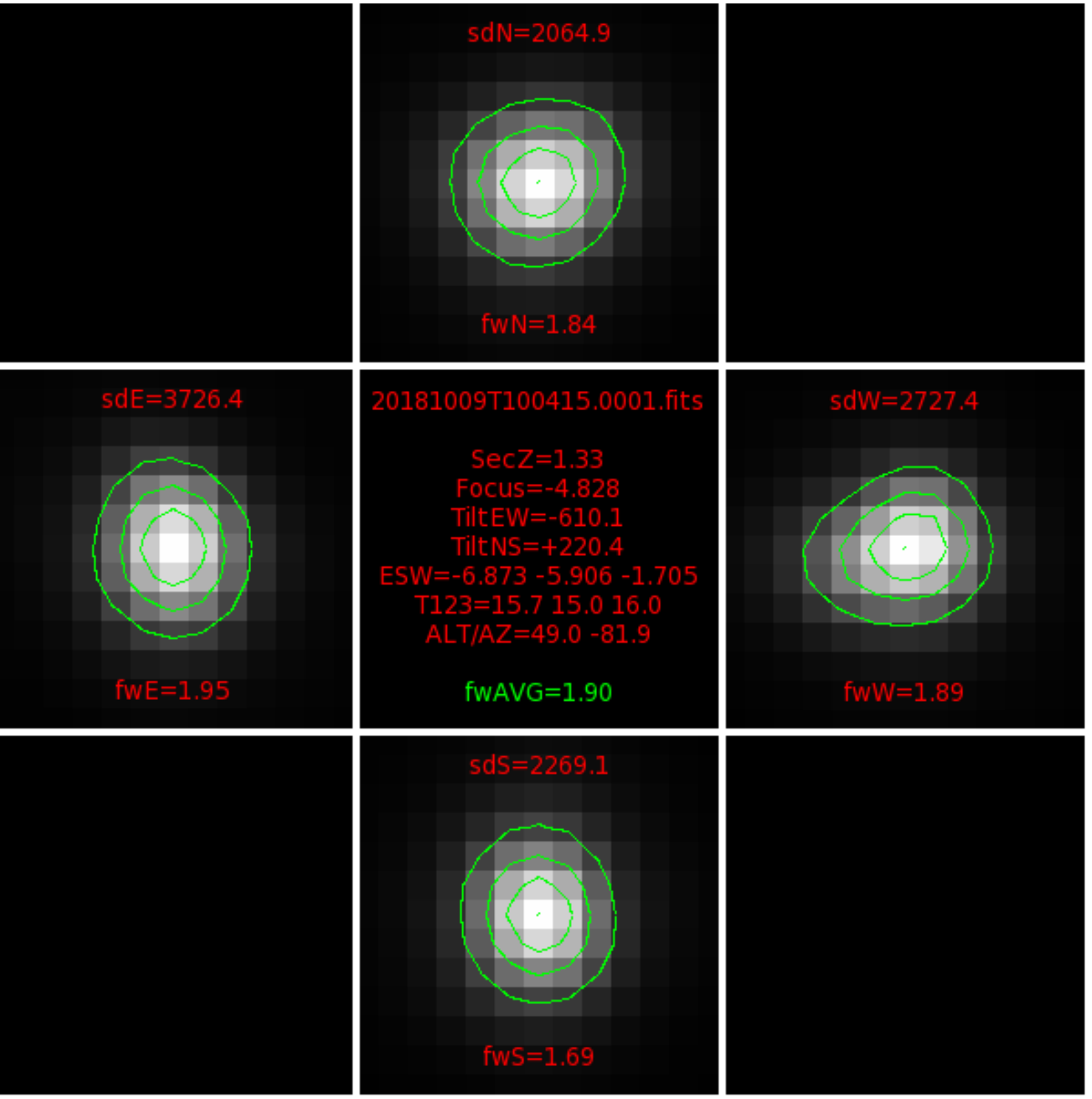
sdN=2064.9
fwN=1.84
sdE=3726.4
fwE=1.95
20181009T100415.0001.fits
SecZ=1.33
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.7 15.0 16.0
ALT/AZ=49.0 -81.9
fwAVG=1.90
sdW=2727.4
fwW=1.89
sdS=2269.1
fwS=1.69
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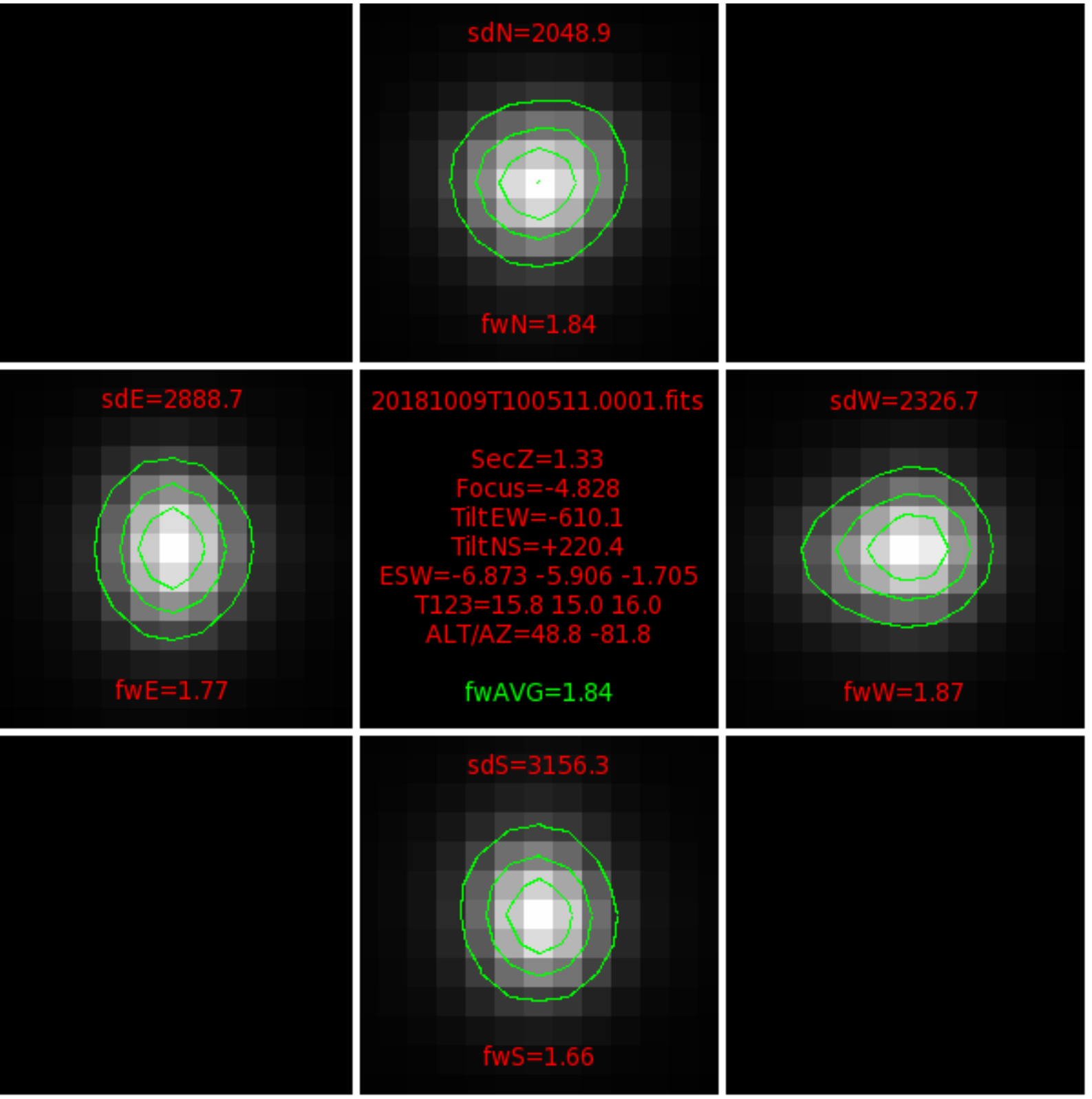
sdN=2048.9
fwN=1.84
sdE=2888.7
fwE=1.77
20181009T100511.0001.fits
SecZ=1.33
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.8 15.0 16.0
ALT/AZ=48.8 -81.8
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sdW=2326.7
fwW=1.87
sdS=3156.3
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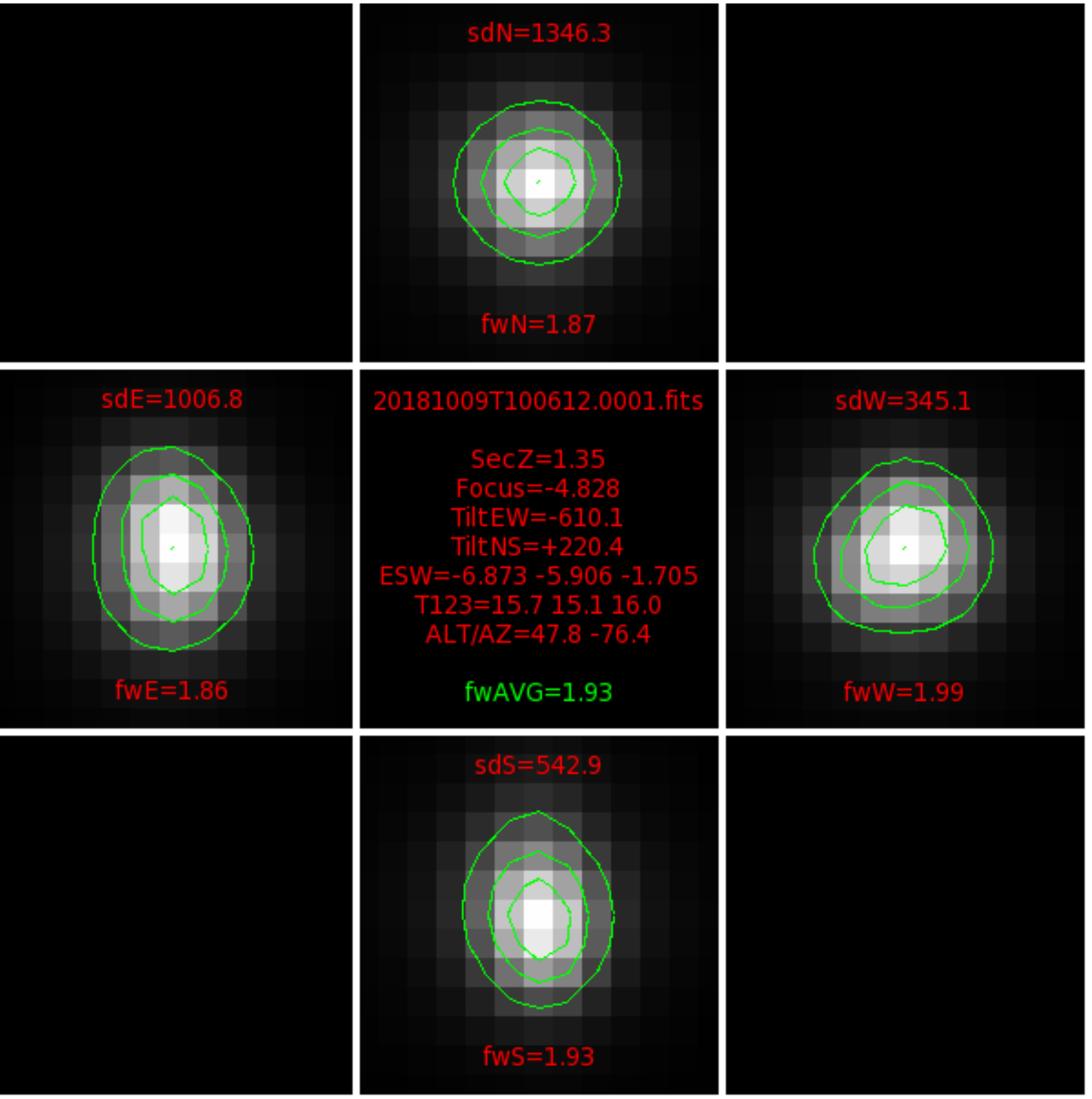
sdN=1346.3
fwN=1.87
sdE=1006.8
fwE=1.86
20181009T100612.0001.fits
SecZ=1.35
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.7 15.1 16.0
ALT/AZ=47.8 -76.4
fwAVG=1.93
sdW=345.1
fwW=1.99
sdS=542.9
fwS=1.93
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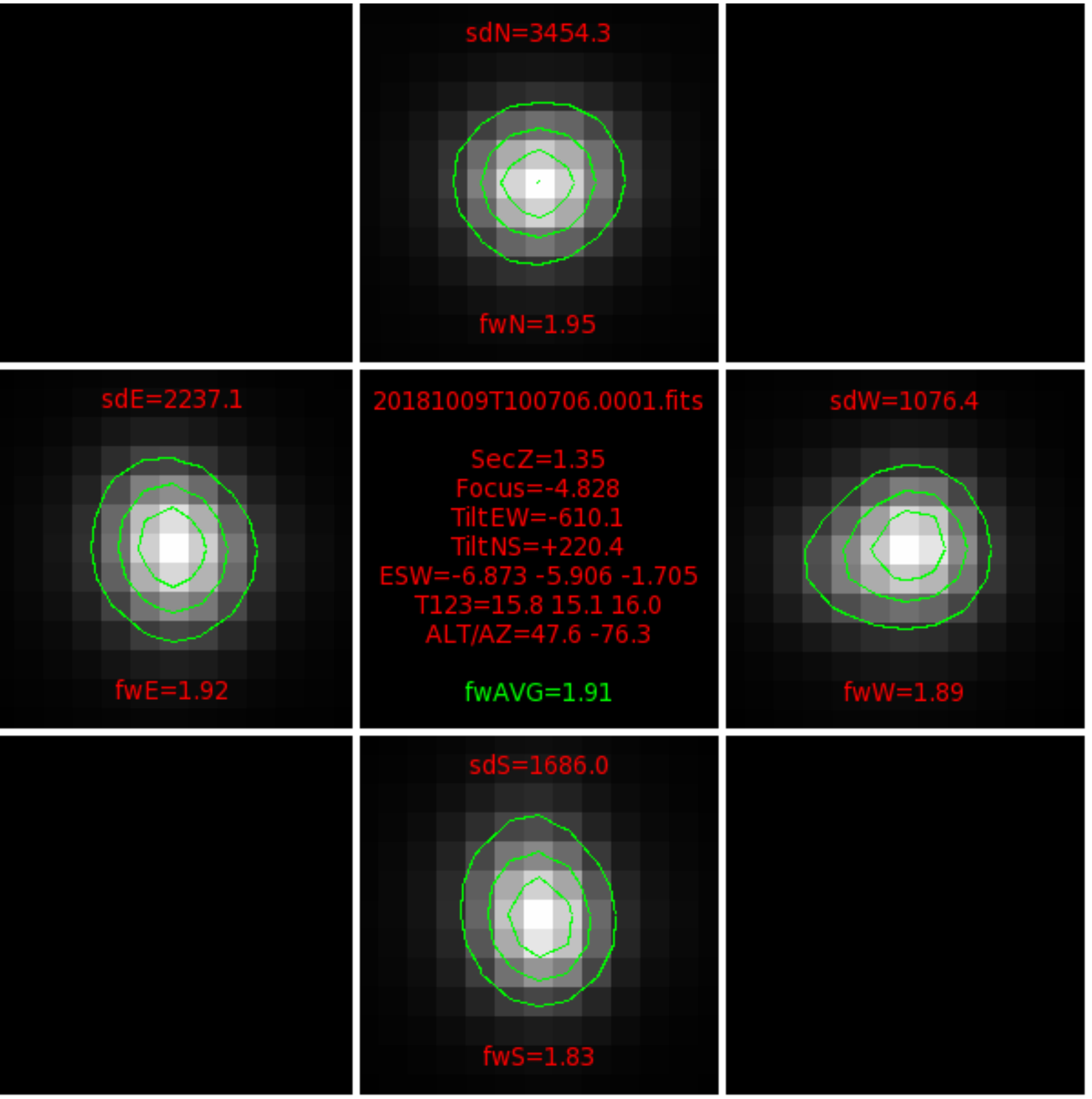
sdN=3454.3
fwN=1.95
sdE=2237.1
fwE=1.92
20181009T100706.0001.fits
SecZ=1.35
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.8 15.1 16.0
ALT/AZ=47.6 -76.3
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sdW=1076.4
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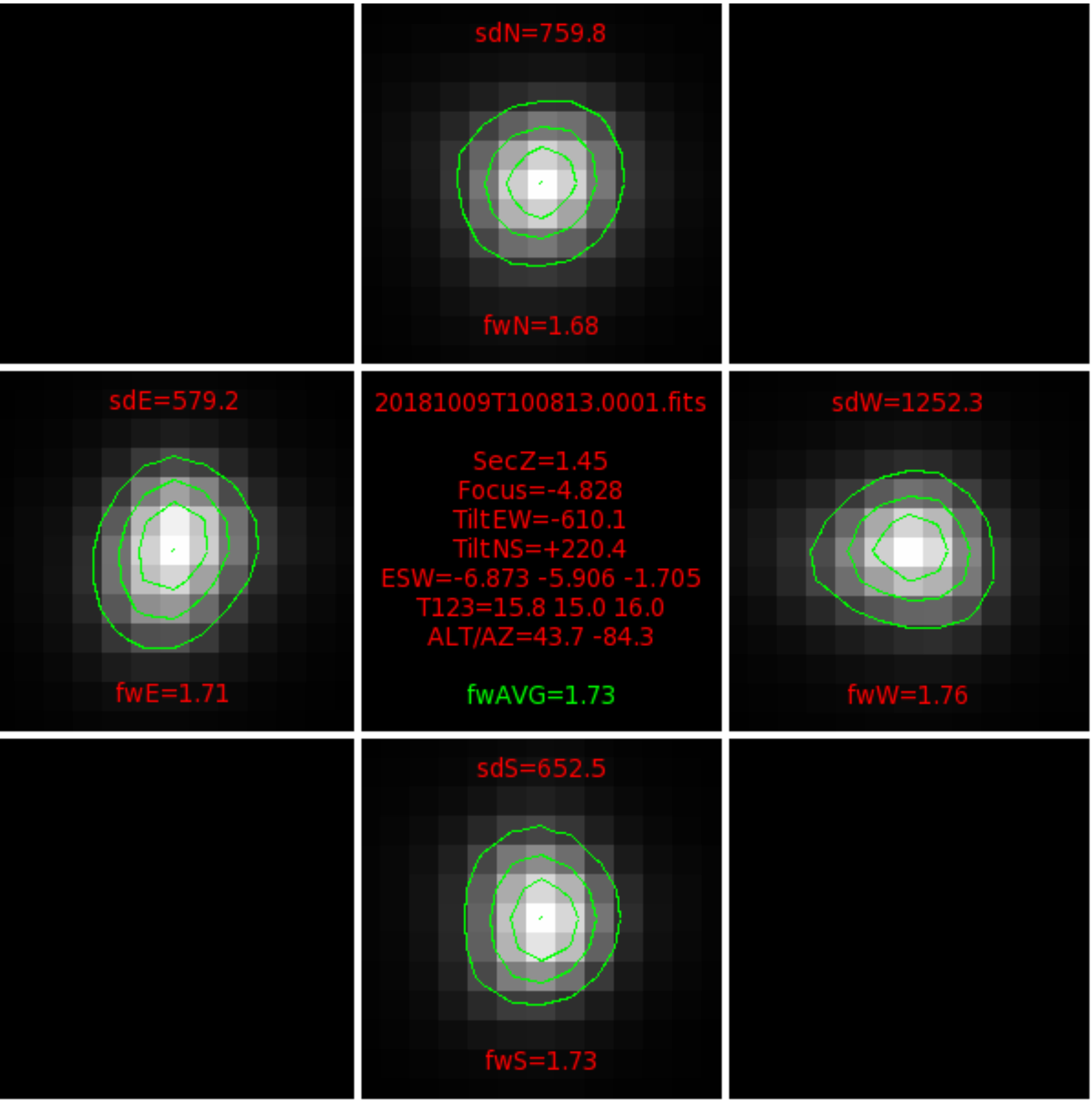
sdN=759.8
fwN=1.68
sdE=579.2
fwE=1.71
20181009T100813.0001.fits
SecZ=1.45
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.8 15.0 16.0
ALT/AZ=43.7 -84.3
fwAVG=1.73
sdW=1252.3
fwW=1.76
sdS=652.5
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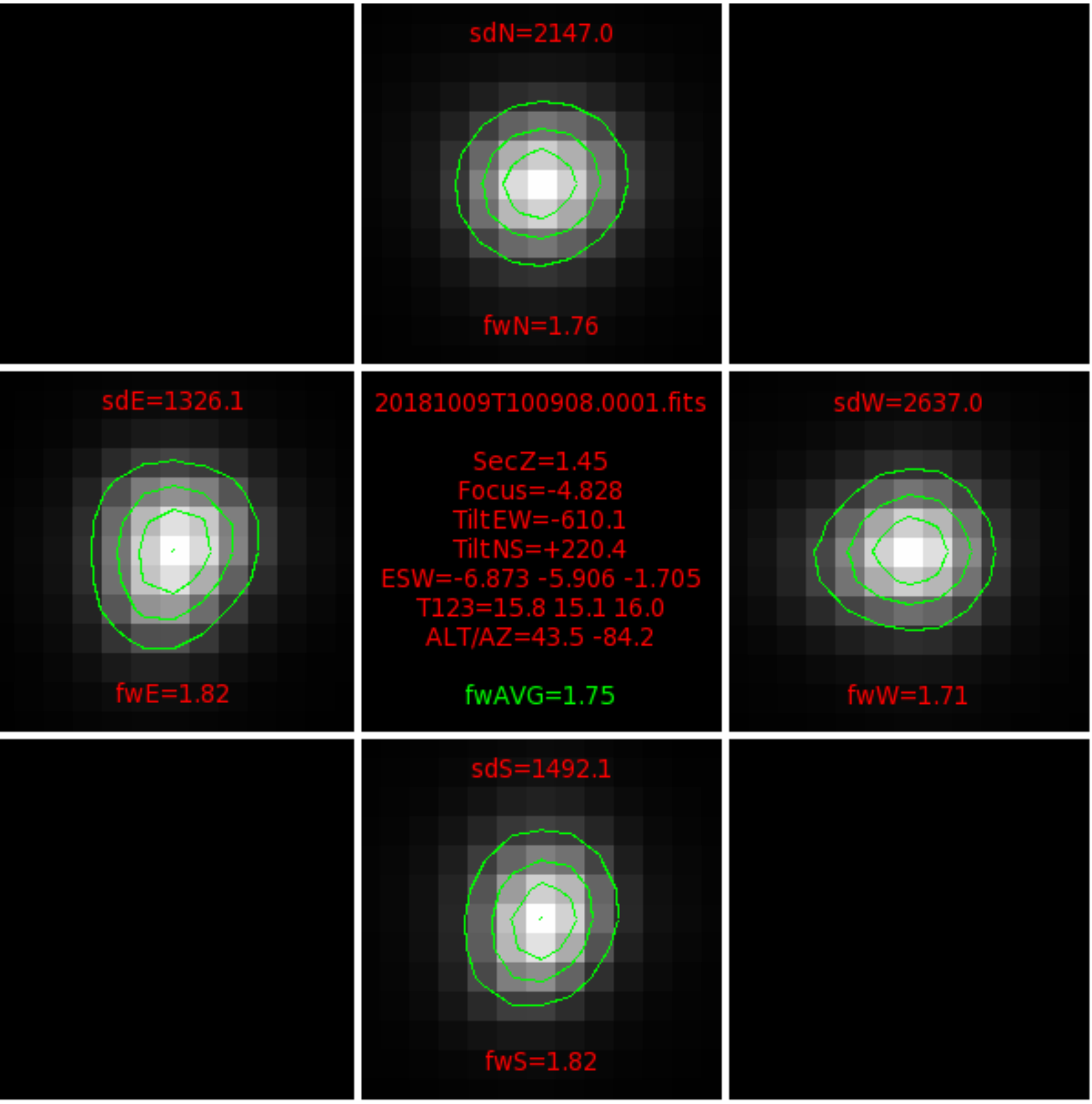
sdN=2147.0
fwN=1.76
sdE=1326.1
fwE=1.82
20181009T100908.0001.fits
SecZ=1.45
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.8 15.1 16.0
ALT/AZ=43.5 -84.2
fwAVG=1.75
sdW=2637.0
fwW=1.71
sdS=1492.1
fwS=1.82
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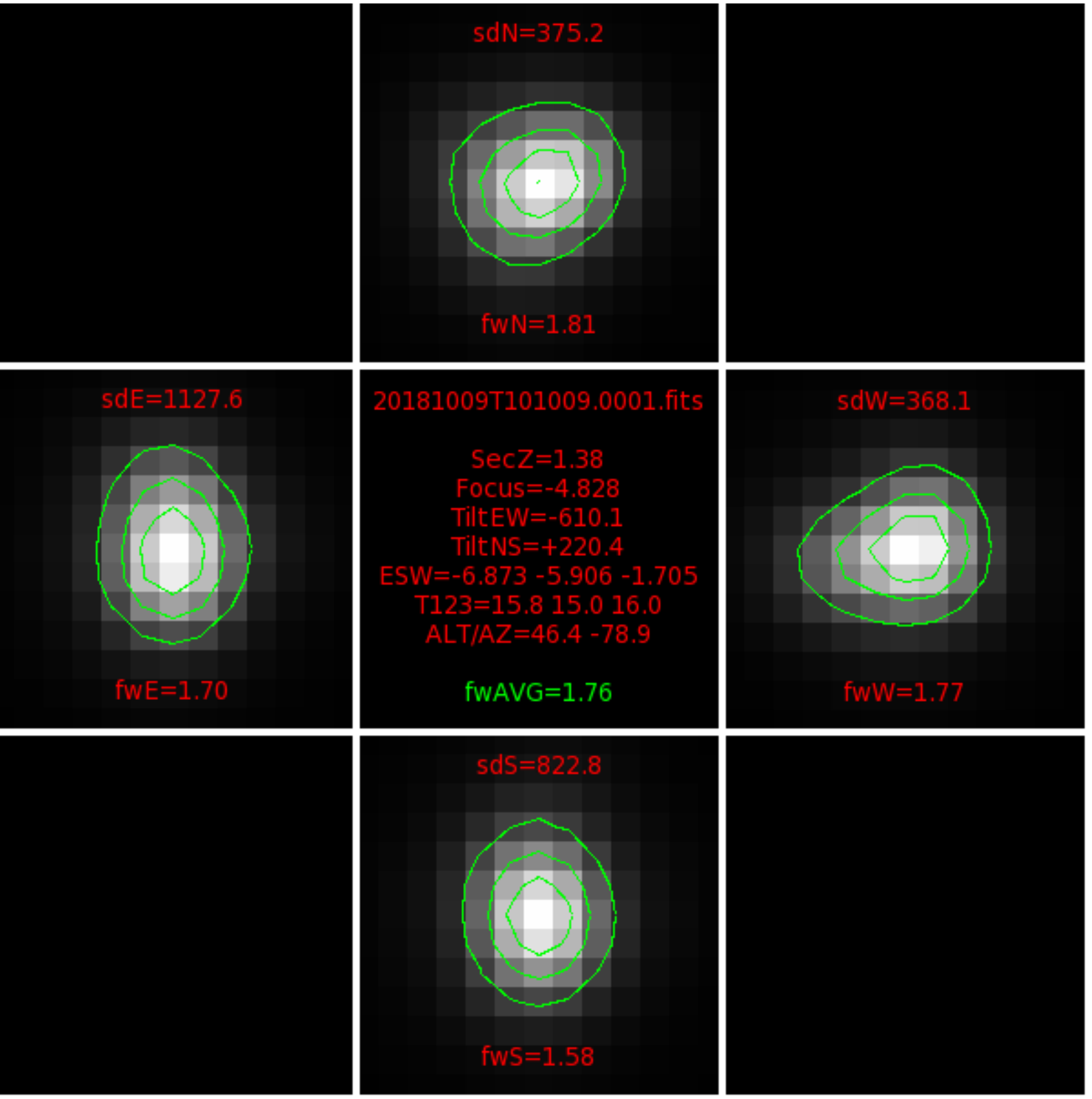
sdN=375.2
fwN=1.81
sdE=1127.6
fwE=1.70
20181009T101009.0001.fits
SecZ=1.38
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.8 15.0 16.0
ALT/AZ=46.4 -78.9
fwAVG=1.76
sdW=368.1
fwW=1.77
sdS=822.8
fwS=1.58
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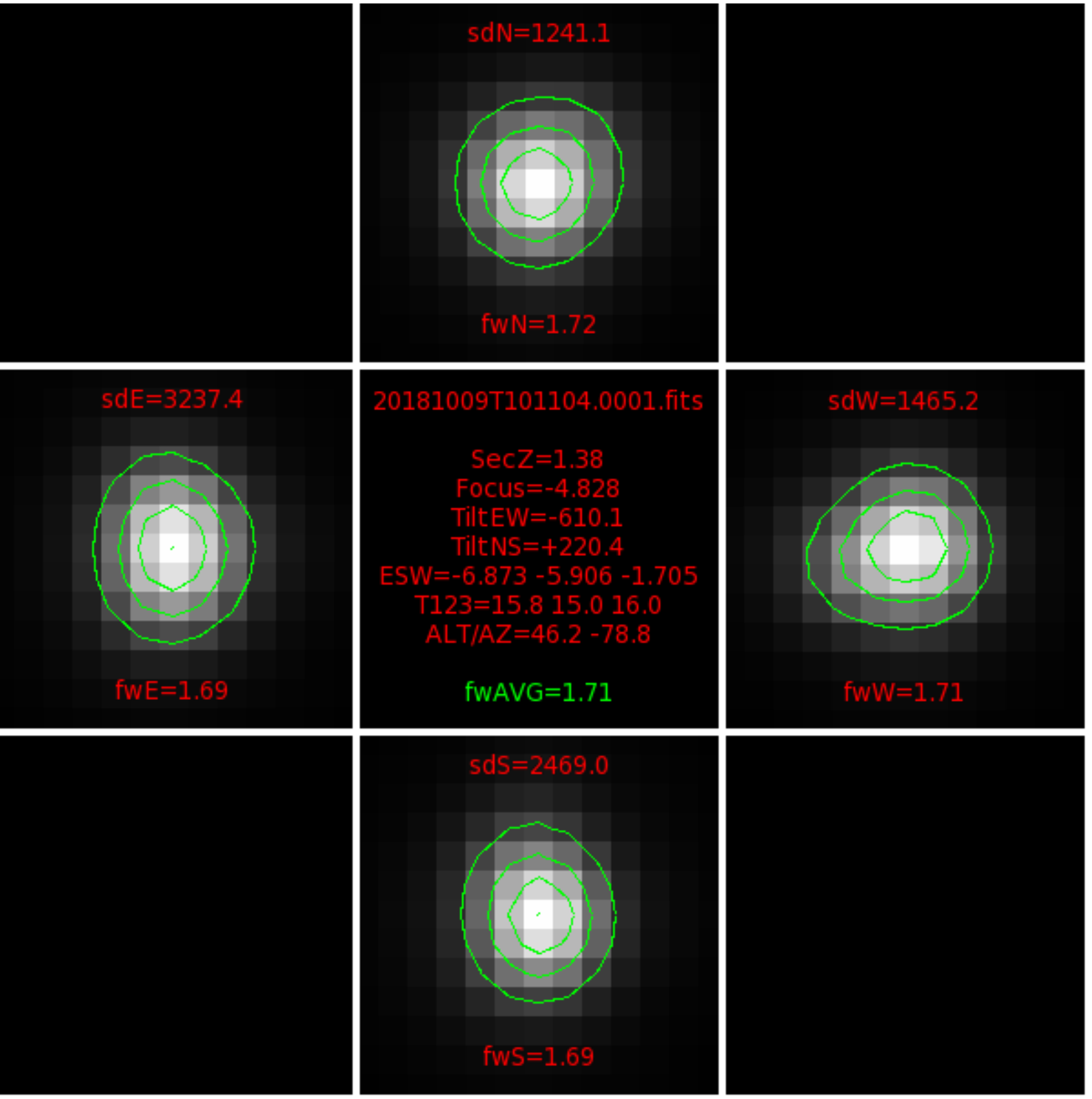
sdN=1241.1
fwN=1.72
sdE=3237.4
fwE=1.69
20181009T101104.0001.fits
SecZ=1.38
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.8 15.0 16.0
ALT/AZ=46.2 -78.8
fwAVG=1.71
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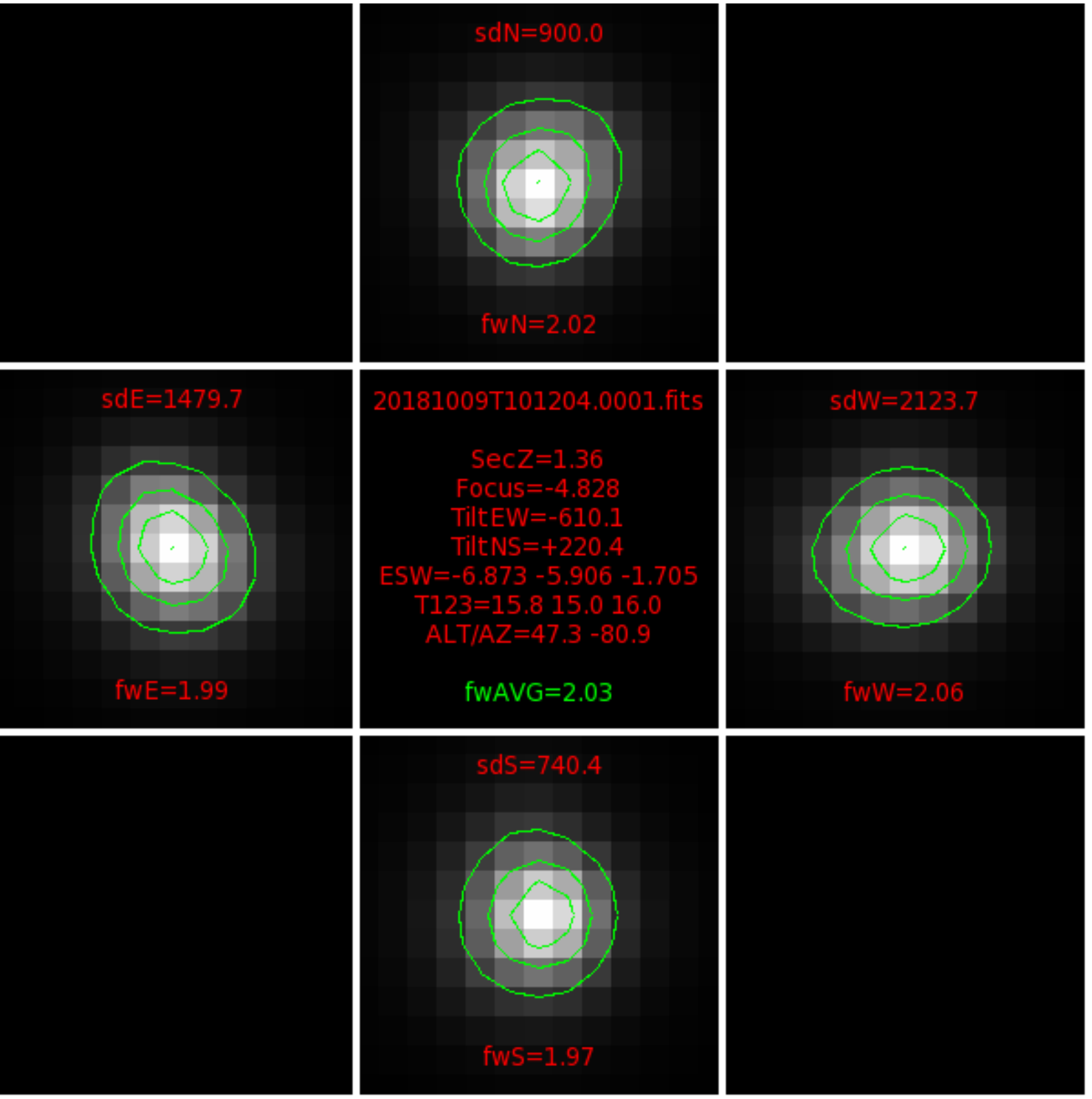
sdN=900.0
fwN=2.02
sdE=1479.7
fwE=1.99
20181009T101204.0001.fits
SecZ=1.36
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.8 15.0 16.0
ALT/AZ=47.3 -80.9
fwAVG=2.03
sdW=2123.7
fwW=2.06
sdS=740.4
fwS=1.97
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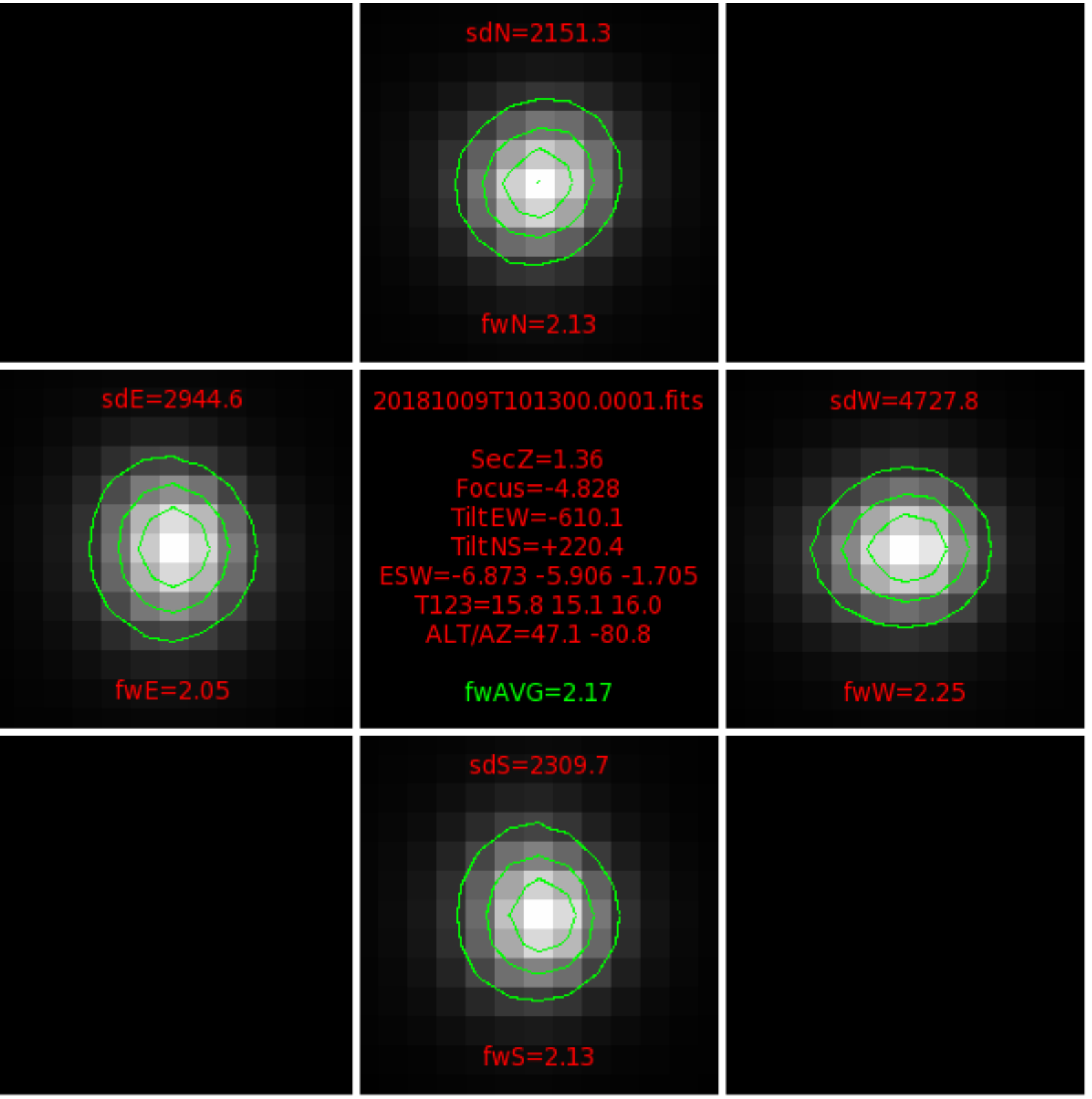
sdN=2151.3
fwN=2.13
sdE=2944.6
fwE=2.05
20181009T101300.0001.fits
SecZ=1.36
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.8 15.1 16.0
ALT/AZ=47.1 -80.8
fwAVG=2.17
sdW=4727.8
fwW=2.25
sdS=2309.7
fwS=2.13
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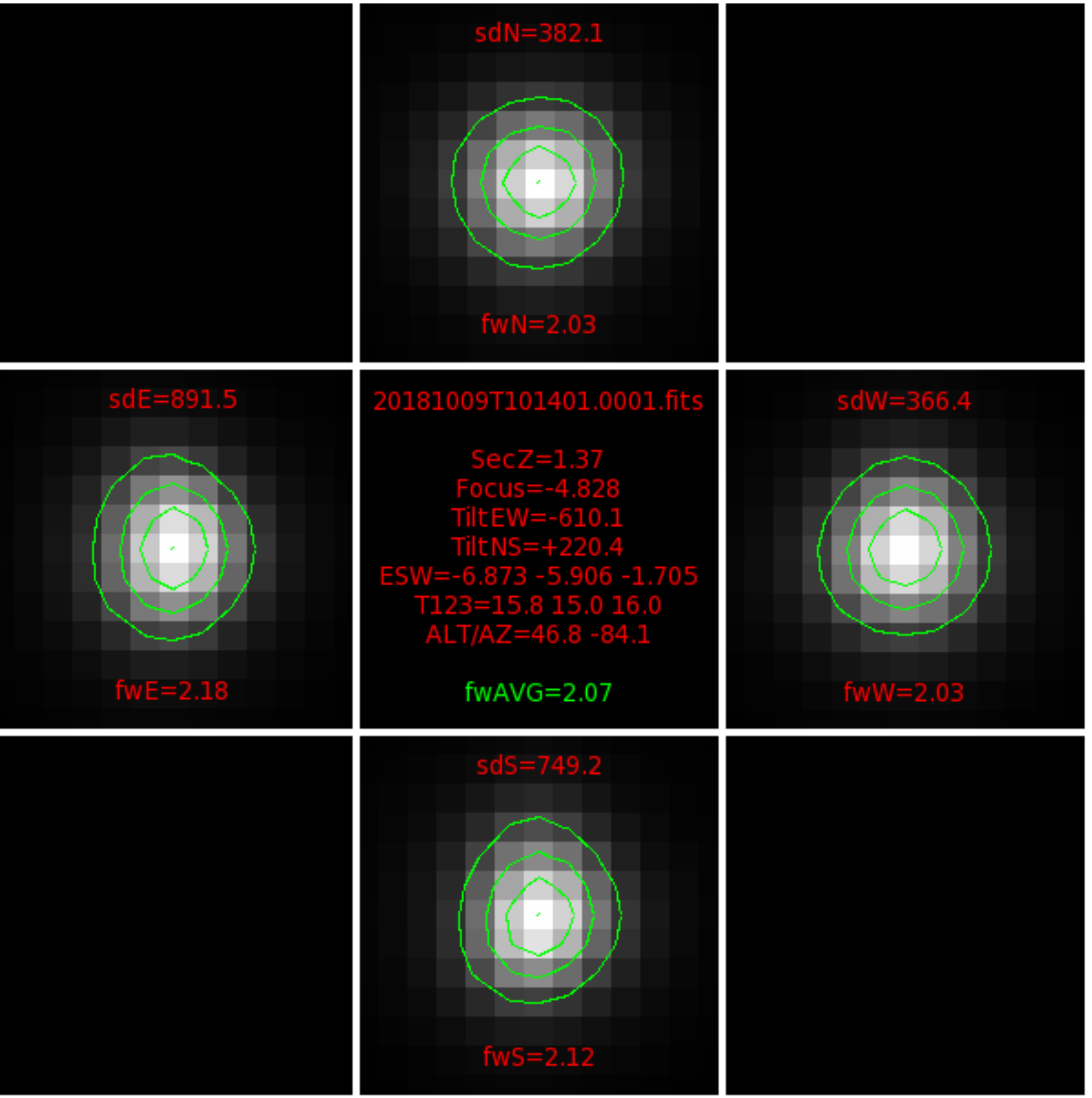
sdN=382.1
fwN=2.03
sdE=891.5
fwE=2.18
20181009T101401.0001.fits
SecZ=1.37
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.8 15.0 16.0
ALT/AZ=46.8 -84.1
fwAVG=2.07
sdW=366.4
fwW=2.03
sdS=749.2
fwS=2.12
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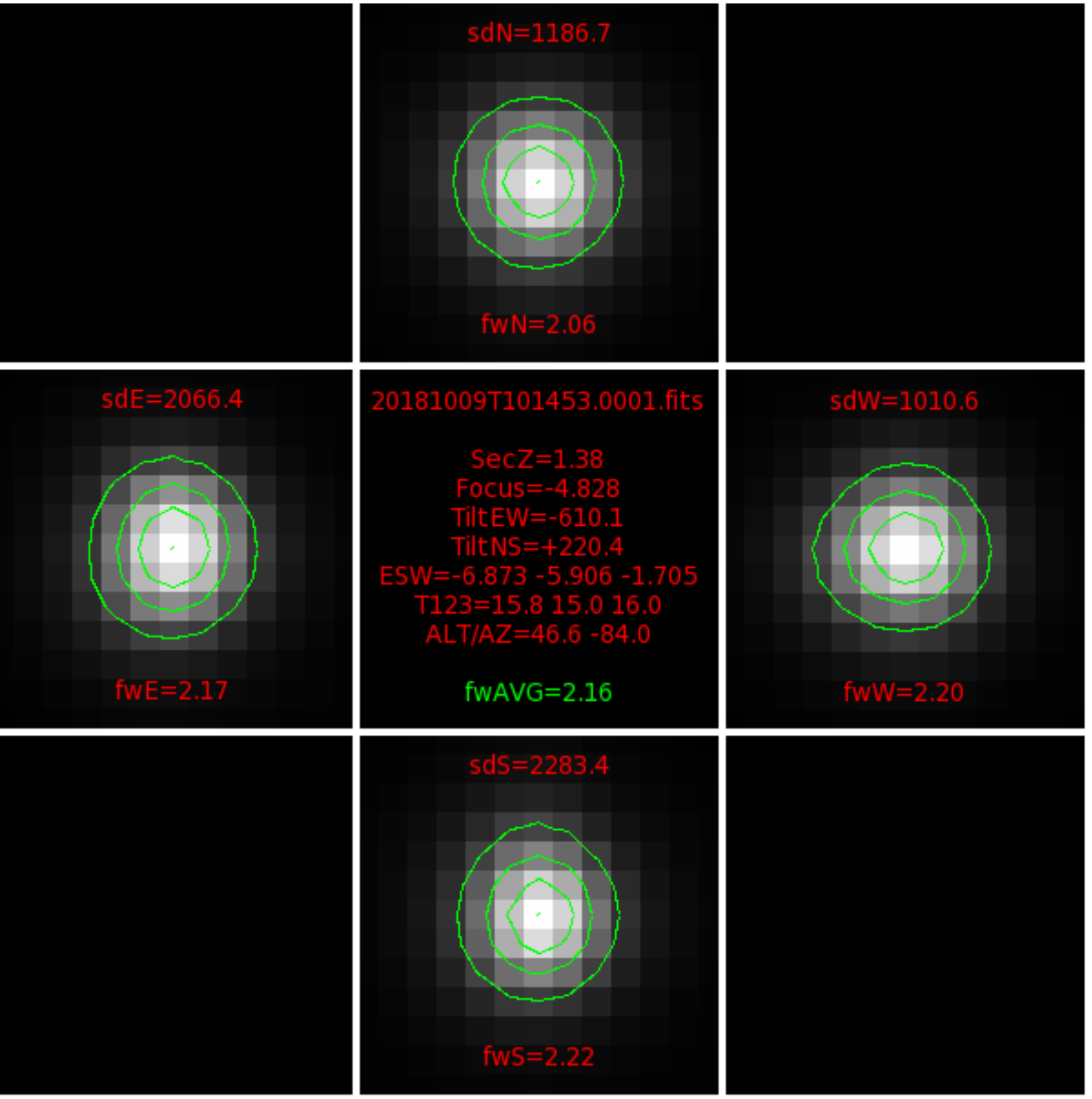
sdN=1186.7
fwN=2.06
sdE=2066.4
fwE=2.17
20181009T101453.0001.fits
SecZ=1.38
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.8 15.0 16.0
ALT/AZ=46.6 -84.0
fwAVG=2.16
sdW=1010.6
fwW=2.20
sdS=2283.4
fwS=2.22
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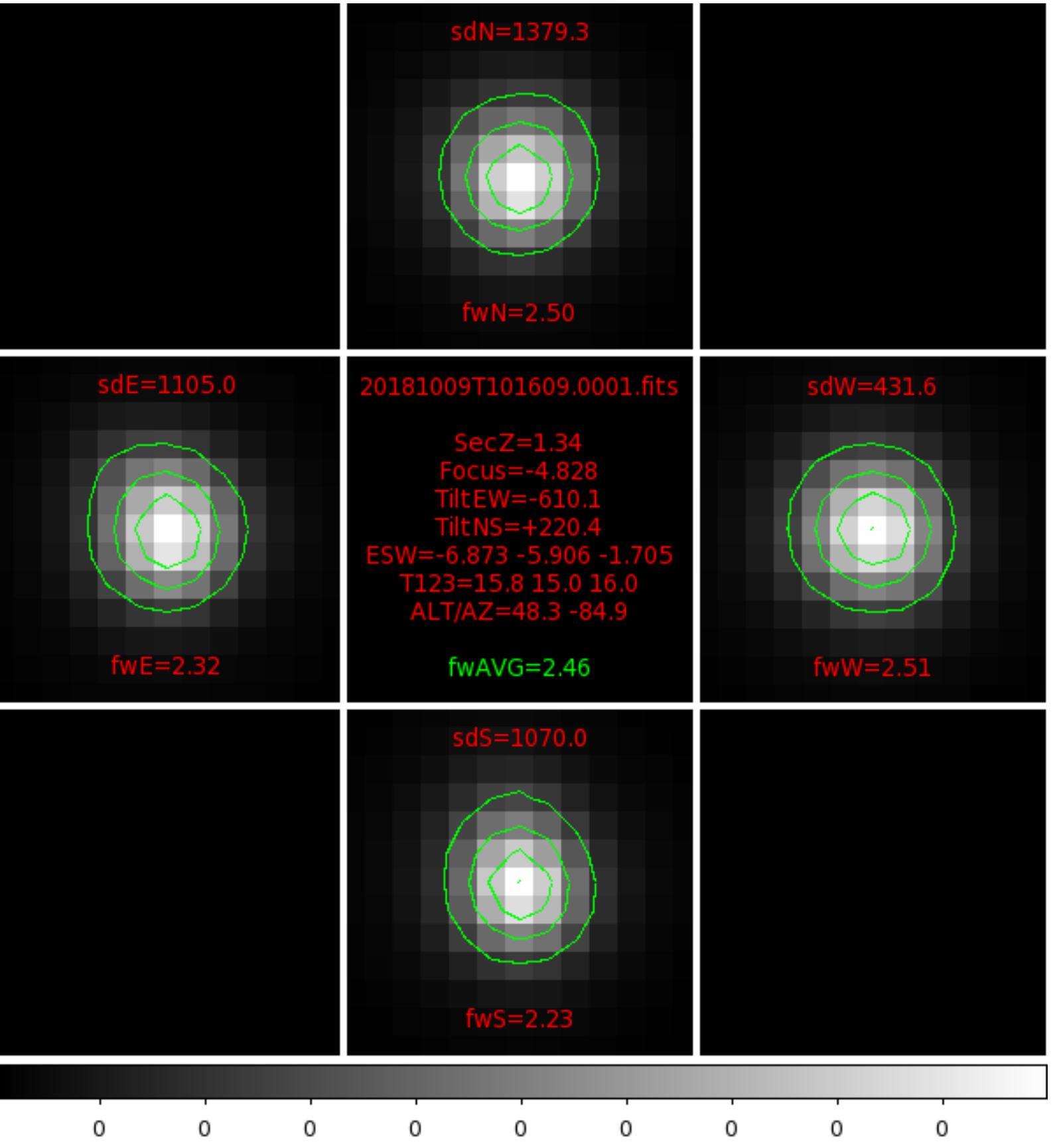
sdN=1379.3
fwN=2.50
sdE=1105.0
fwE=2.32
20181009T101609.0001.fits
SecZ=1.34
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.8 15.0 16.0
ALT/AZ=48.3 -84.9
fwAVG=2.46
sdW=431.6
fwW=2.51
sdS=1070.0
fwS=2.23
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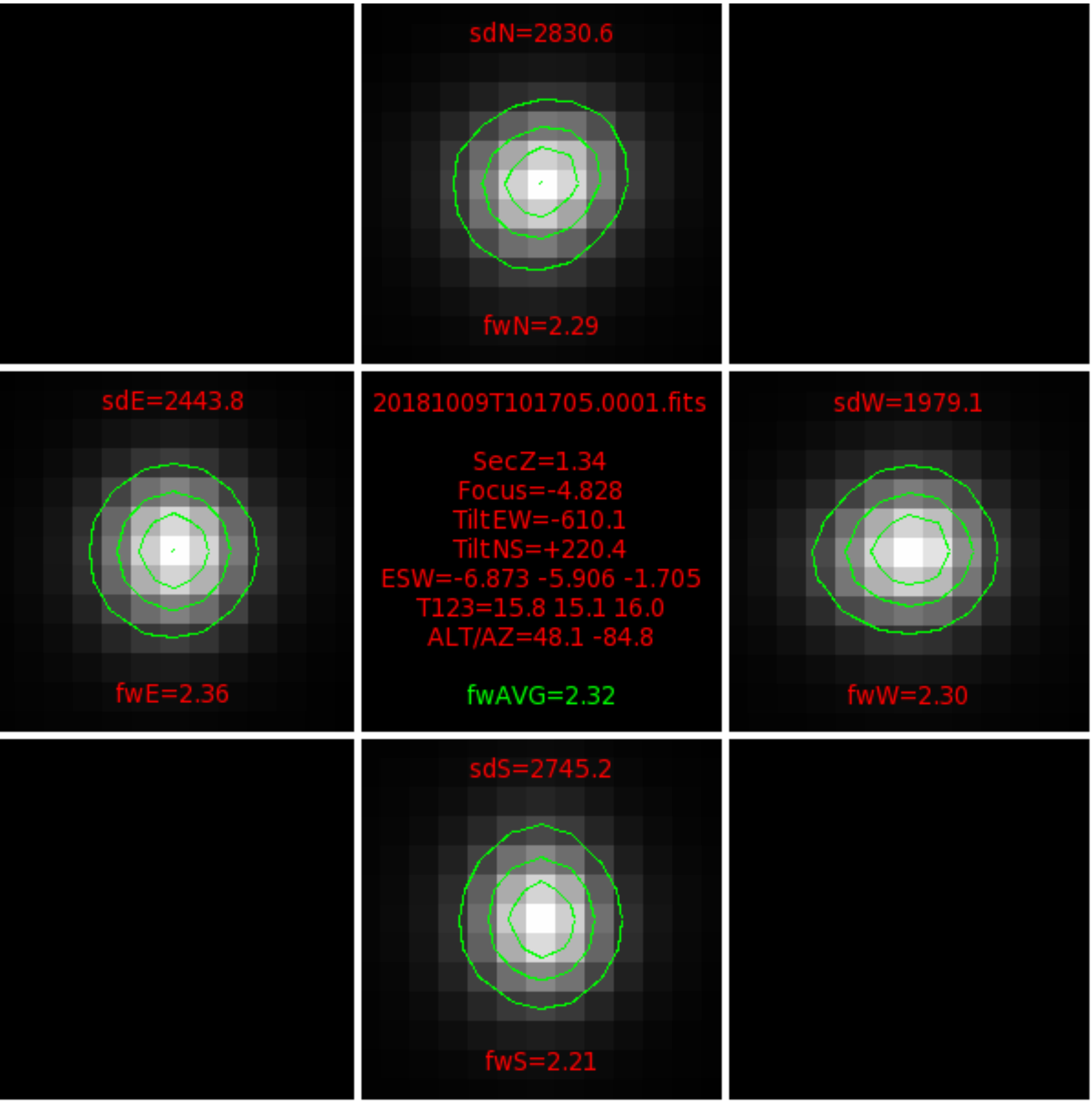
sdN=2830.6
fwN=2.29
sdE=2443.8
fwE=2.36
20181009T101705.0001.fits
SecZ=1.34
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.8 15.1 16.0
ALT/AZ=48.1 -84.8
fwAVG=2.32
sdW=1979.1
fwW=2.30
sdS=2745.2
fwS=2.21
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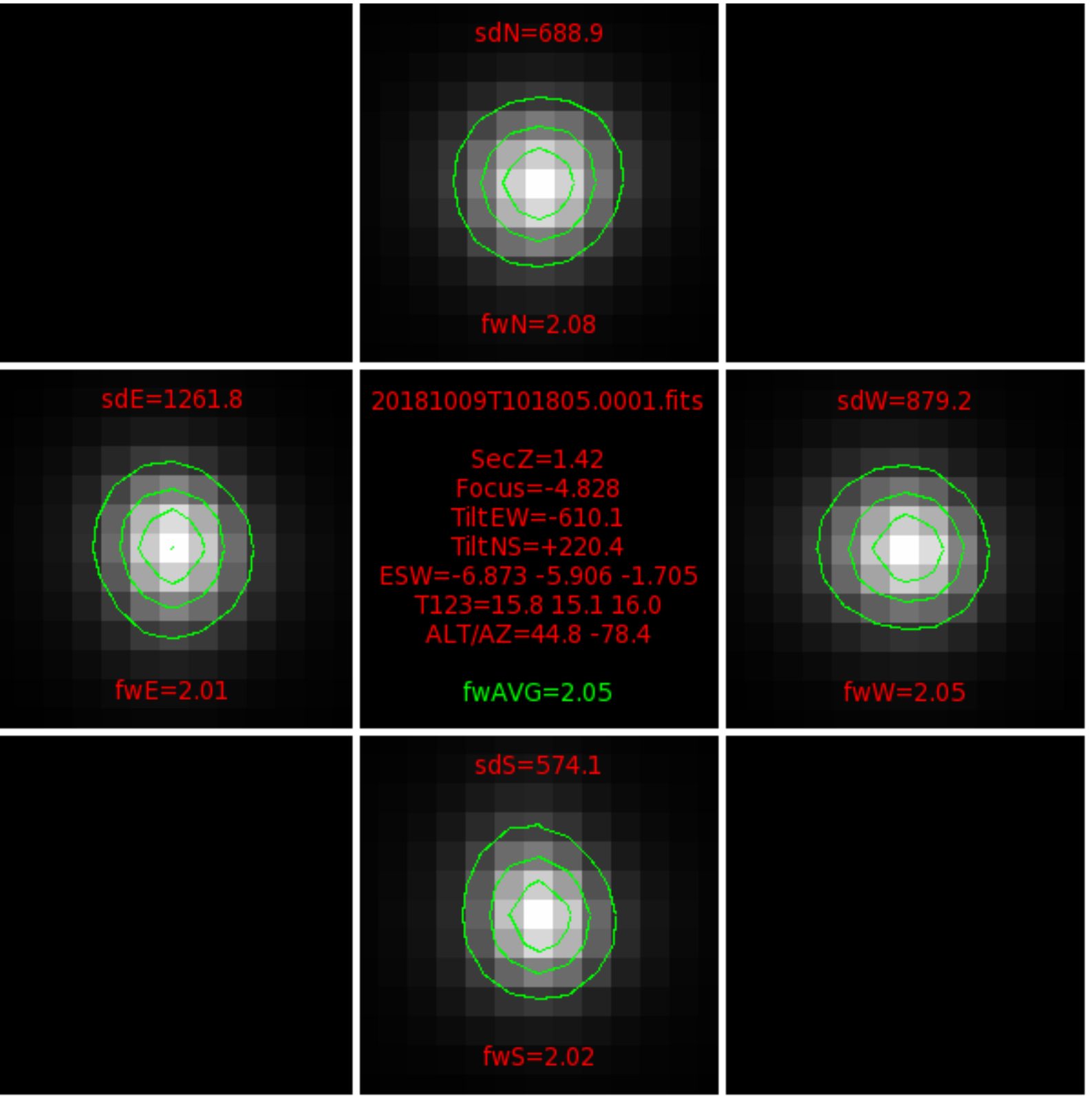
sdN=688.9
fwN=2.08
sdE=1261.8
fwE=2.01
20181009T101805.0001.fits
SecZ=1.42
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.8 15.1 16.0
ALT/AZ=44.8 -78.4
fwAVG=2.05
sdW=879.2
fwW=2.05
sdS=574.1
fwS=2.02
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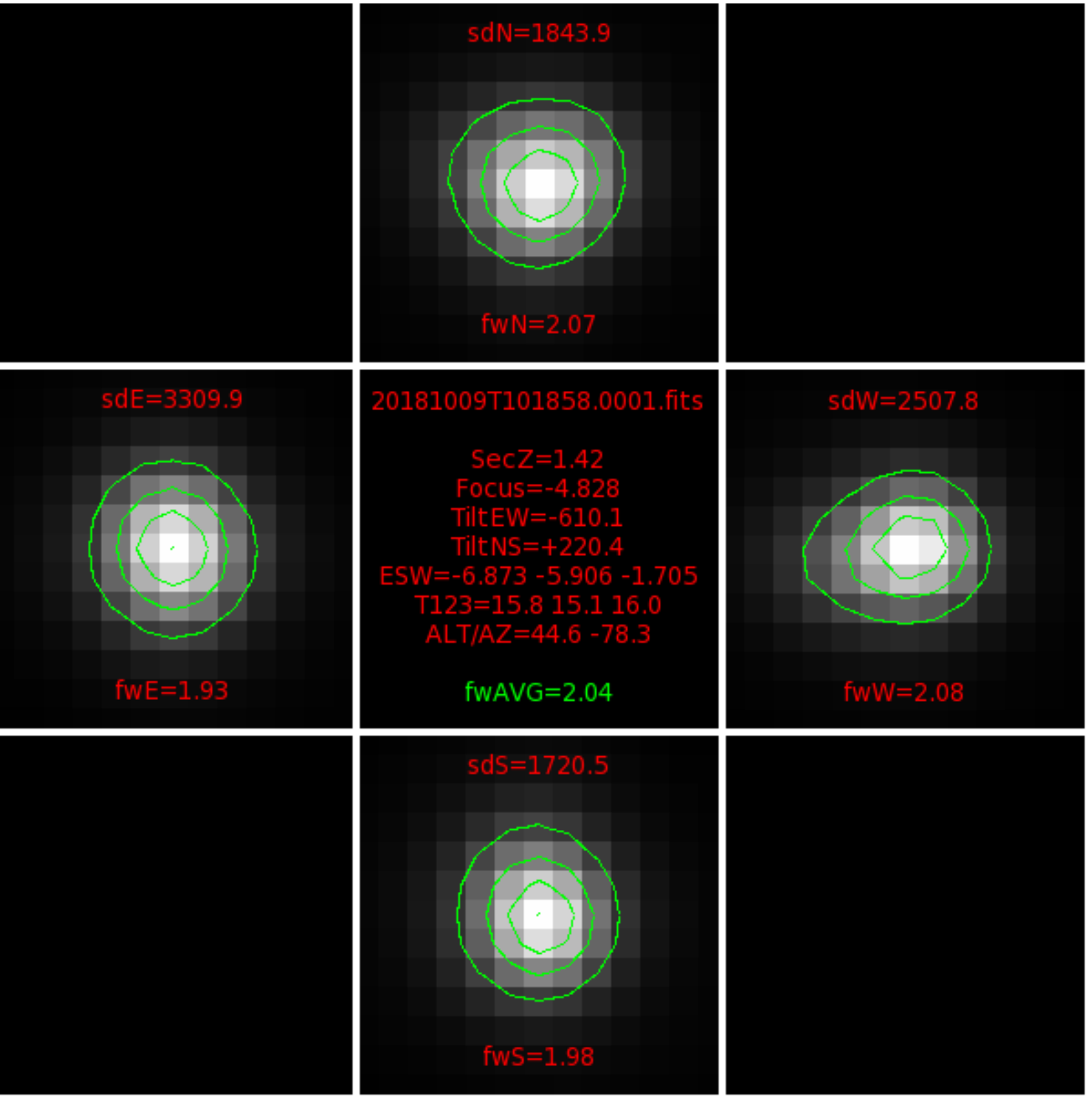
sdN=1843.9
fwN=2.07
sdE=3309.9
fwE=1.93
20181009T101858.0001.fits
SecZ=1.42
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.8 15.1 16.0
ALT/AZ=44.6 -78.3
fwAVG=2.04
sdW=2507.8
fwW=2.08
sdS=1720.5
fwS=1.98
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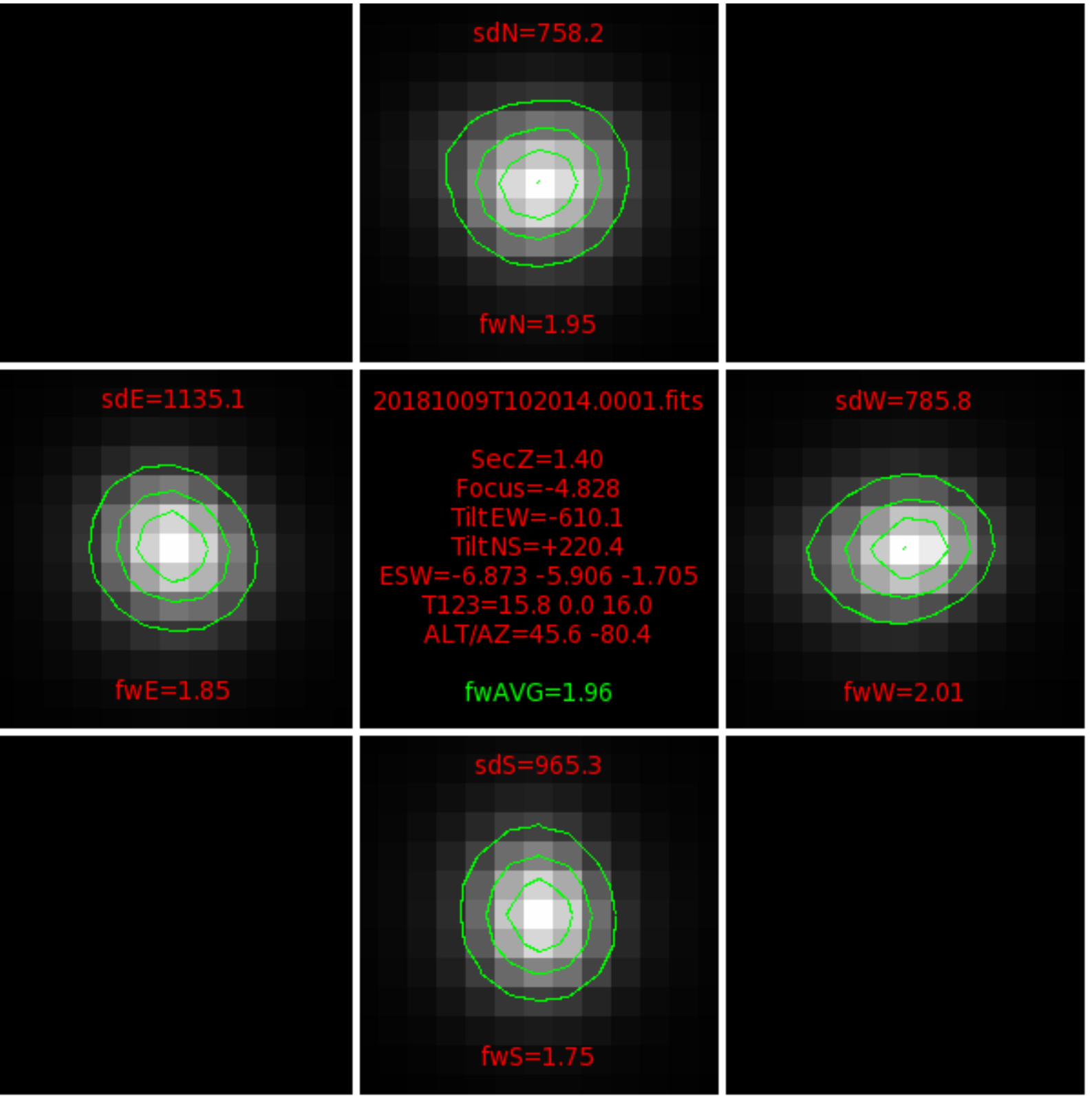
sdN=758.2
fwN=1.95
sdE=1135.1
fwE=1.85
20181009T102014.0001.fits
SecZ=1.40
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.8 0.0 16.0
ALT/AZ=45.6 -80.4
fwAVG=1.96
sdW=785.8
fwW=2.01
sdS=965.3
fwS=1.75
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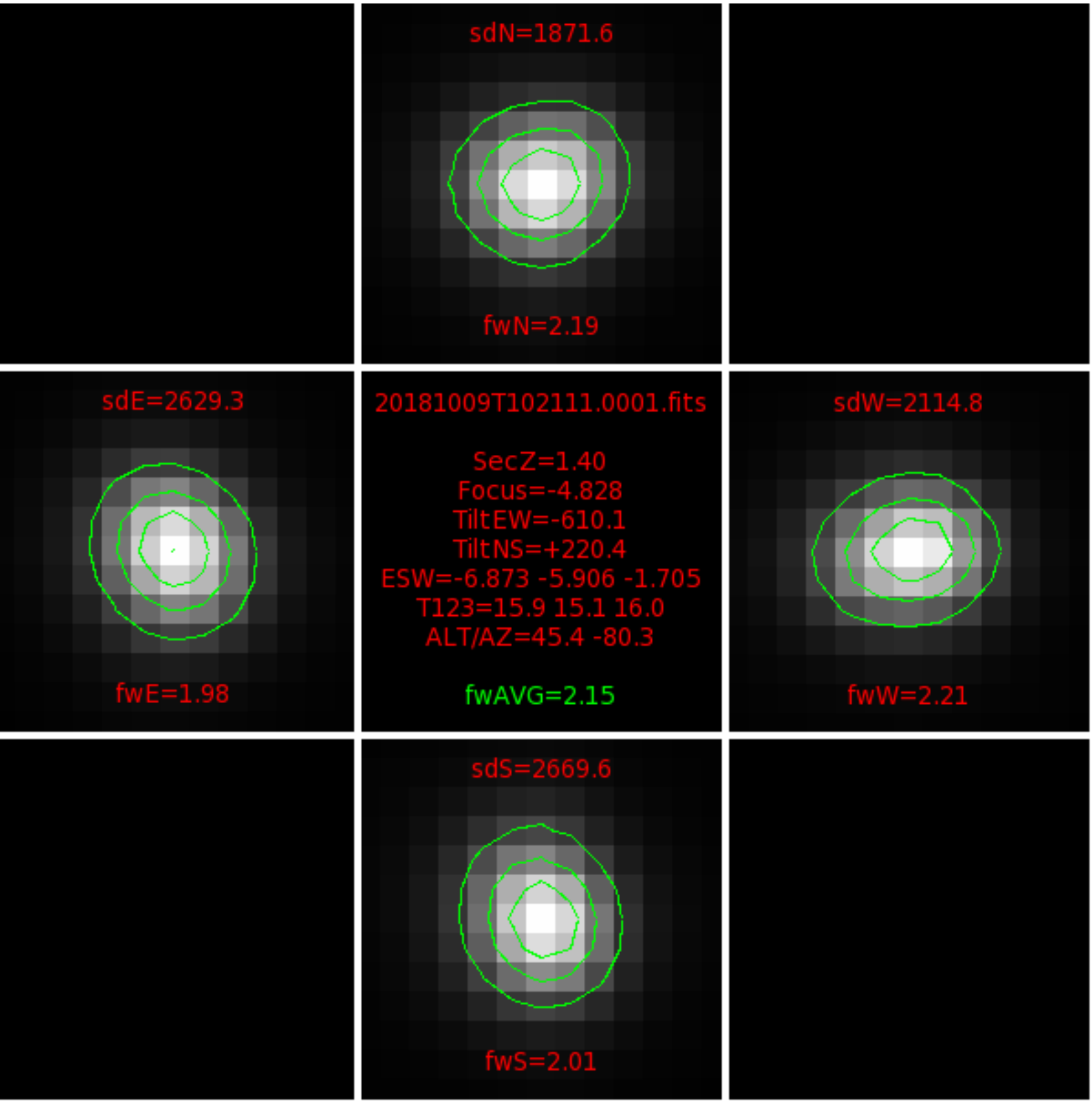
sdN=1871.6
fwN=2.19
sdE=2629.3
fwE=1.98
20181009T102111.0001.fits
SecZ=1.40
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.9 15.1 16.0
ALT/AZ=45.4 -80.3
fwAVG=2.15
sdW=2114.8
fwW=2.21
sdS=2669.6
fwS=2.01
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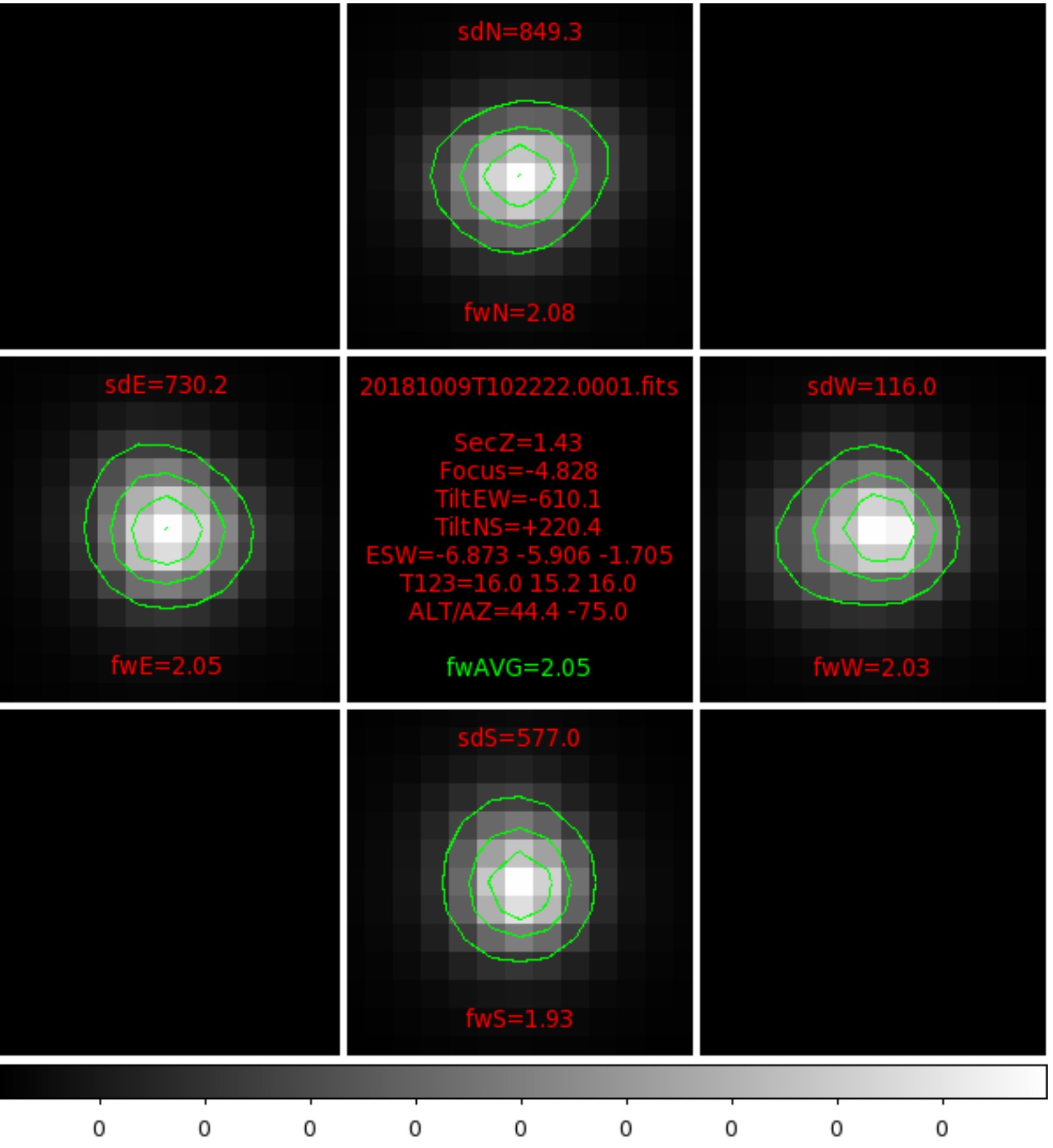
sdN=849.3
fwN=2.08
sdE=730.2
fwE=2.05
20181009T102222.0001.fits
SecZ=1.43
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=16.0 15.2 16.0
ALT/AZ=44.4 -75.0
fwAVG=2.05
sdW=116.0
fwW=2.03
sdS=577.0
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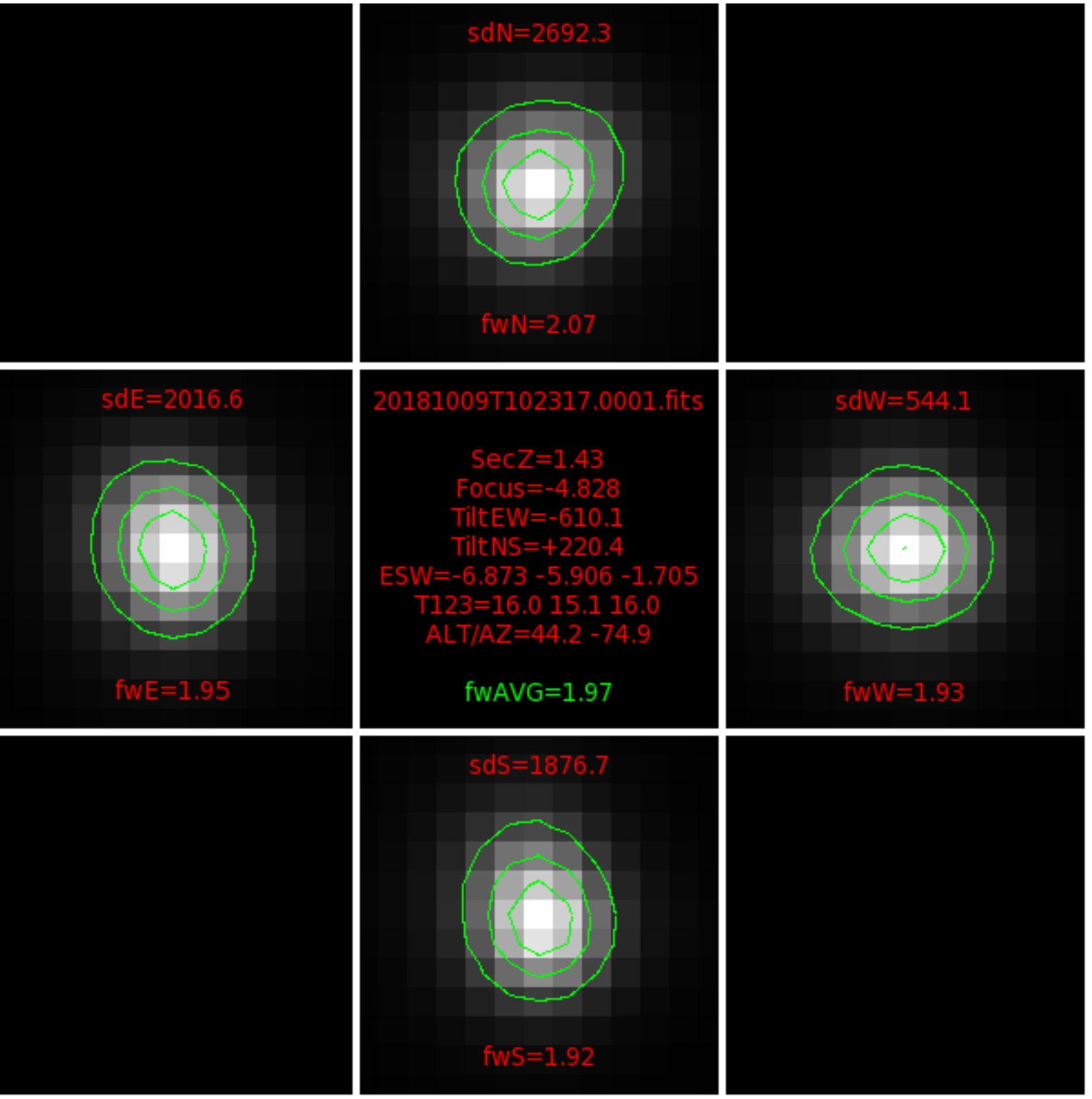
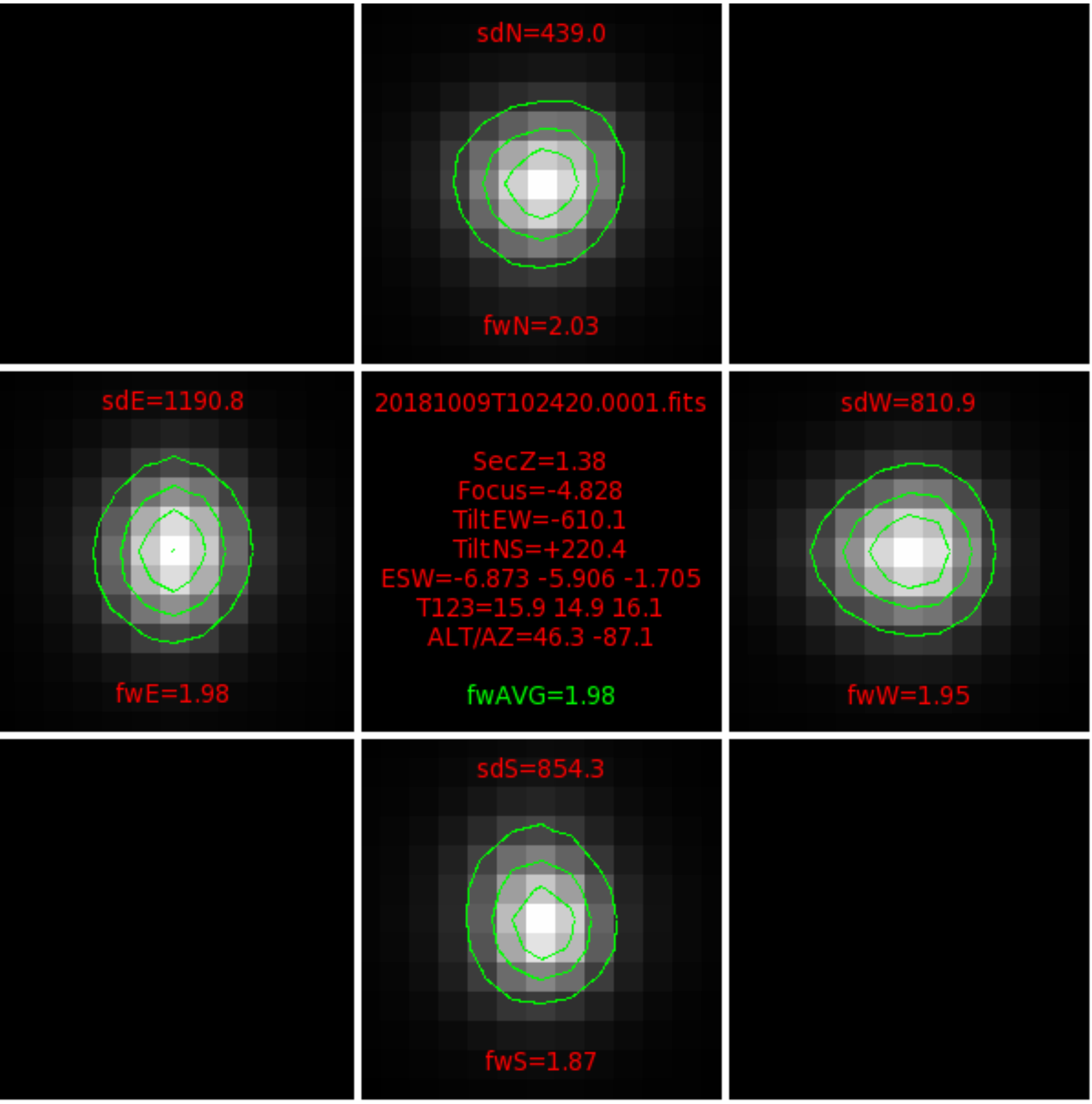

sdN=2692.3
fwN=2.07
sdE=2016.6
fwE=1.95
20181009T102317.0001.fits
SecZ=1.43
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=16.0 15.1 16.0
ALT/AZ=44.2 -74.9
fwAVG=1.97
sdW=544.1
fwW=1.93
sdS=1876.7
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=439.0
fwN=2.03
sdE=1190.8
fwE=1.98
20181009T102420.0001.fits
SecZ=1.38
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.9 14.9 16.1
ALT/AZ=46.3 -87.1
fwAVG=1.98
sdW=810.9
fwW=1.95
sdS=854.3
fwS=1.87
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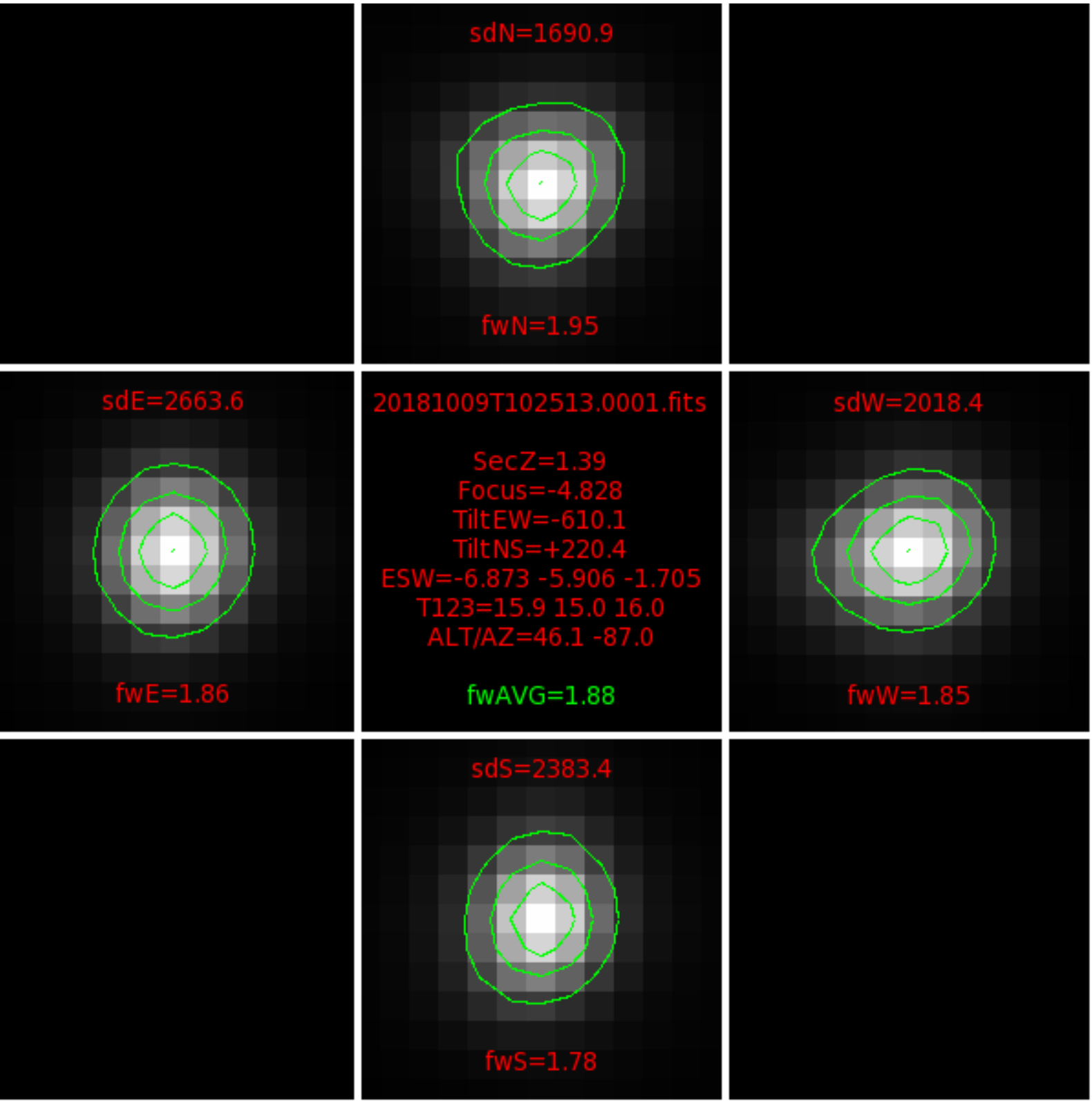
sdN=1690.9
fwN=1.95
sdE=2663.6
fwE=1.86
20181009T102513.0001.fits
SecZ=1.39
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.9 15.0 16.0
ALT/AZ=46.1 -87.0
fwAVG=1.88
sdW=2018.4
fwW=1.85
sdS=2383.4
fwS=1.78
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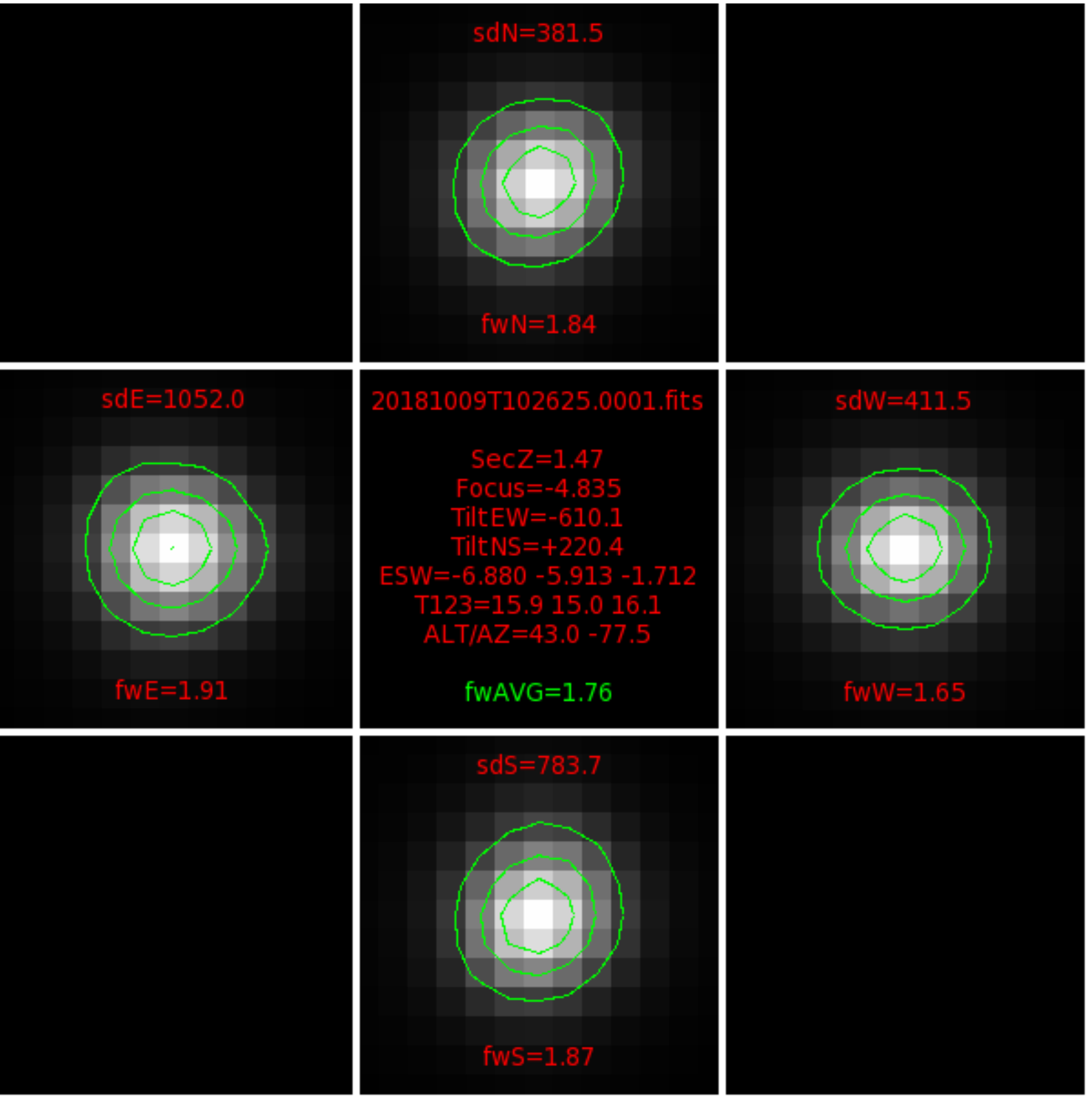
sdN=381.5
fwN=1.84
sdE=1052.0
fwE=1.91
20181009T102625.0001.fits
SecZ=1.47
Focus=-4.835
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.880 -5.913 -1.712
T123=15.9 15.0 16.1
ALT/AZ=43.0 -77.5
fwAVG=1.76
sdW=411.5
fwW=1.65
sdS=783.7
fwS=1.87
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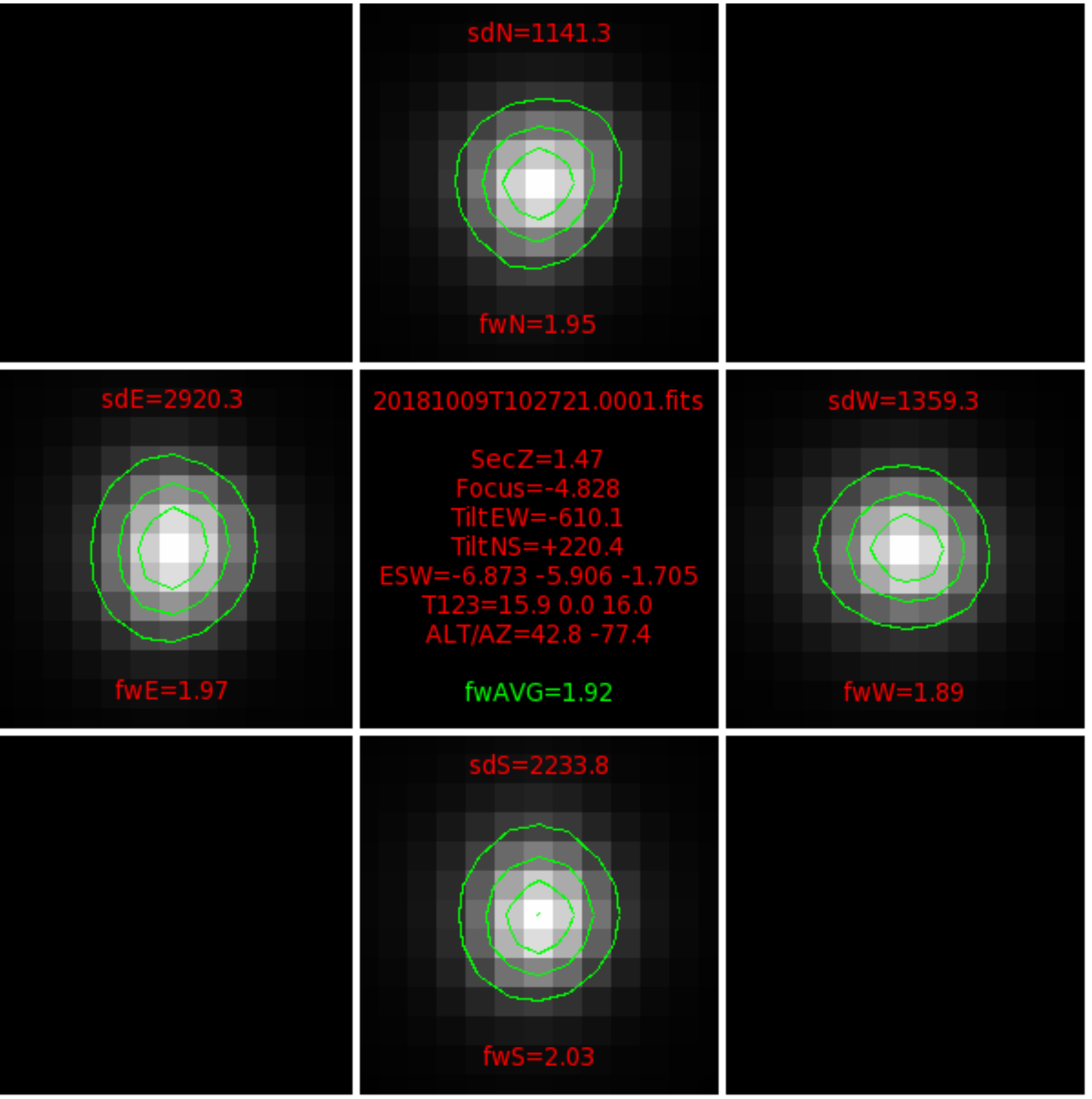
sdN=1141.3
fwN=1.95
sdE=2920.3
fwE=1.97
20181009T102721.0001.fits
SecZ=1.47
Focus=-4.828
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.873 -5.906 -1.705
T123=15.9 0.0 16.0
ALT/AZ=42.8 -77.4
fwAVG=1.92
sdW=1359.3
fwW=1.89
sdS=2233.8
fwS=2.03
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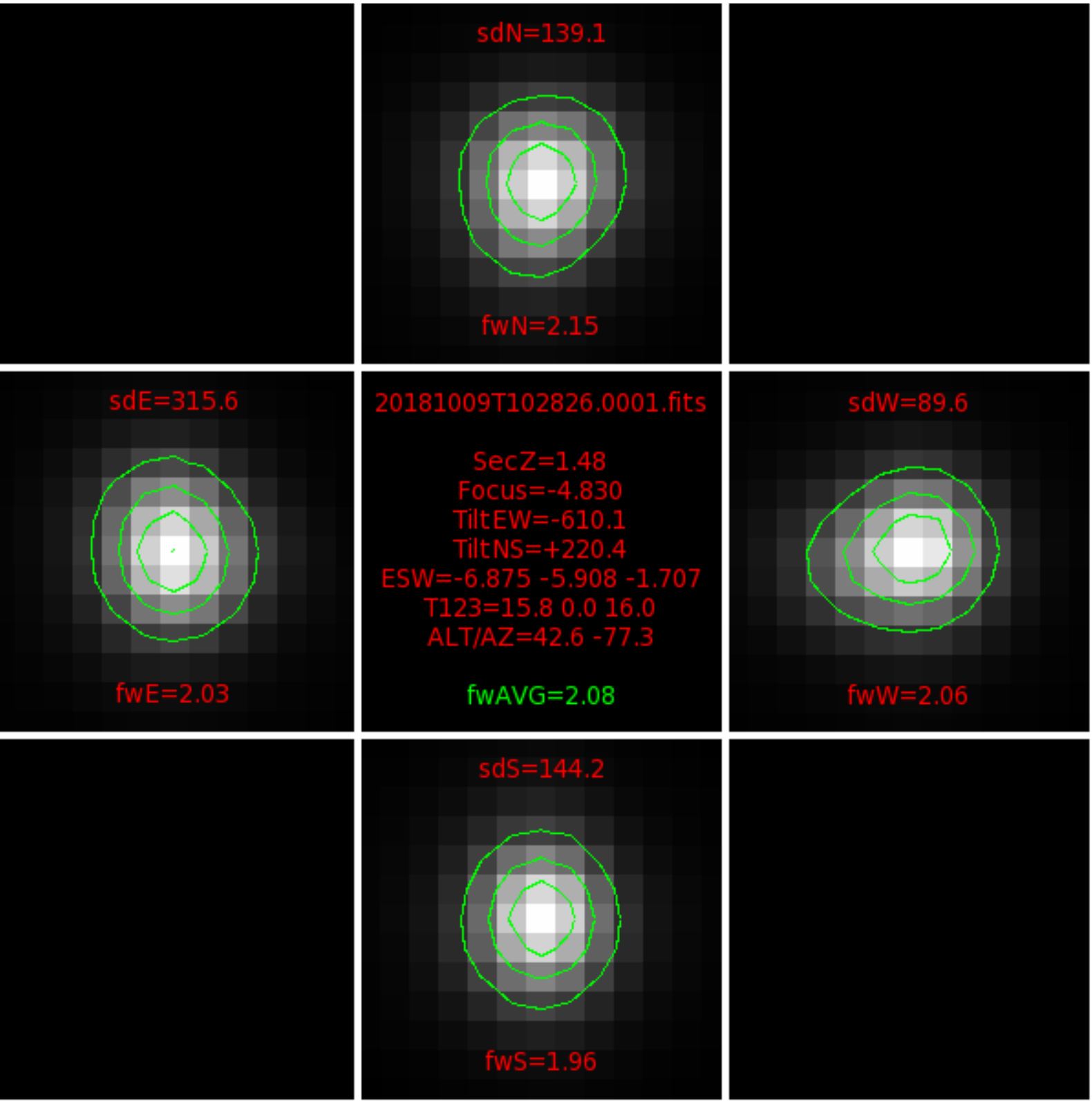
sdN=139.1
fwN=2.15
sdE=315.6
fwE=2.03
20181009T102826.0001.fits
SecZ=1.48
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=15.8 0.0 16.0
ALT/AZ=42.6 -77.3
fwAVG=2.08
sdW=89.6
fwW=2.06
sdS=144.2
fwS=1.96
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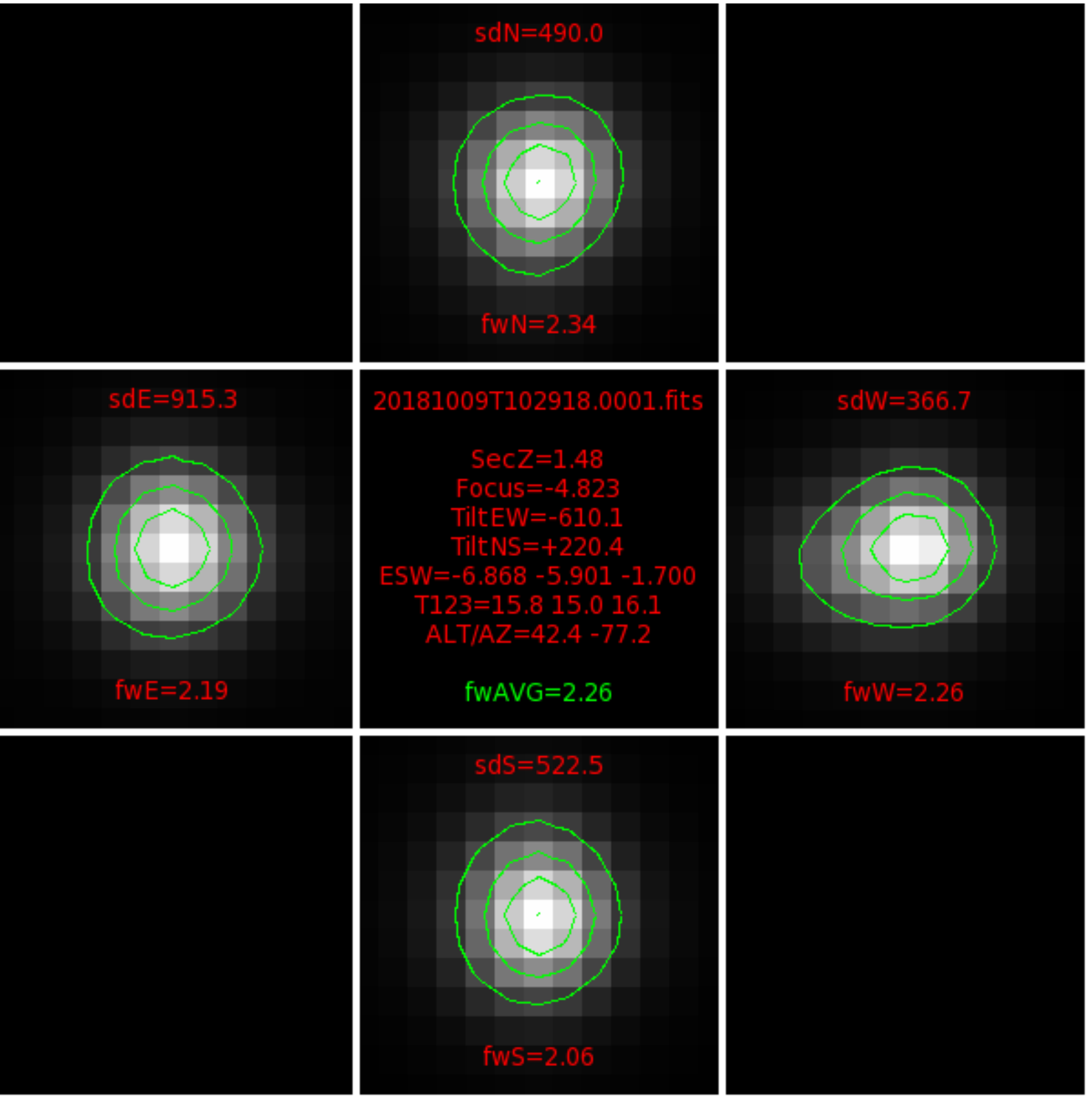
sdN=490.0
fwN=2.34
sdE=915.3
fwE=2.19
20181009T102918.0001.fits
SecZ=1.48
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=15.8 15.0 16.1
ALT/AZ=42.4 -77.2
fwAVG=2.26
sdW=366.7
fwW=2.26
sdS=522.5
fwS=2.06
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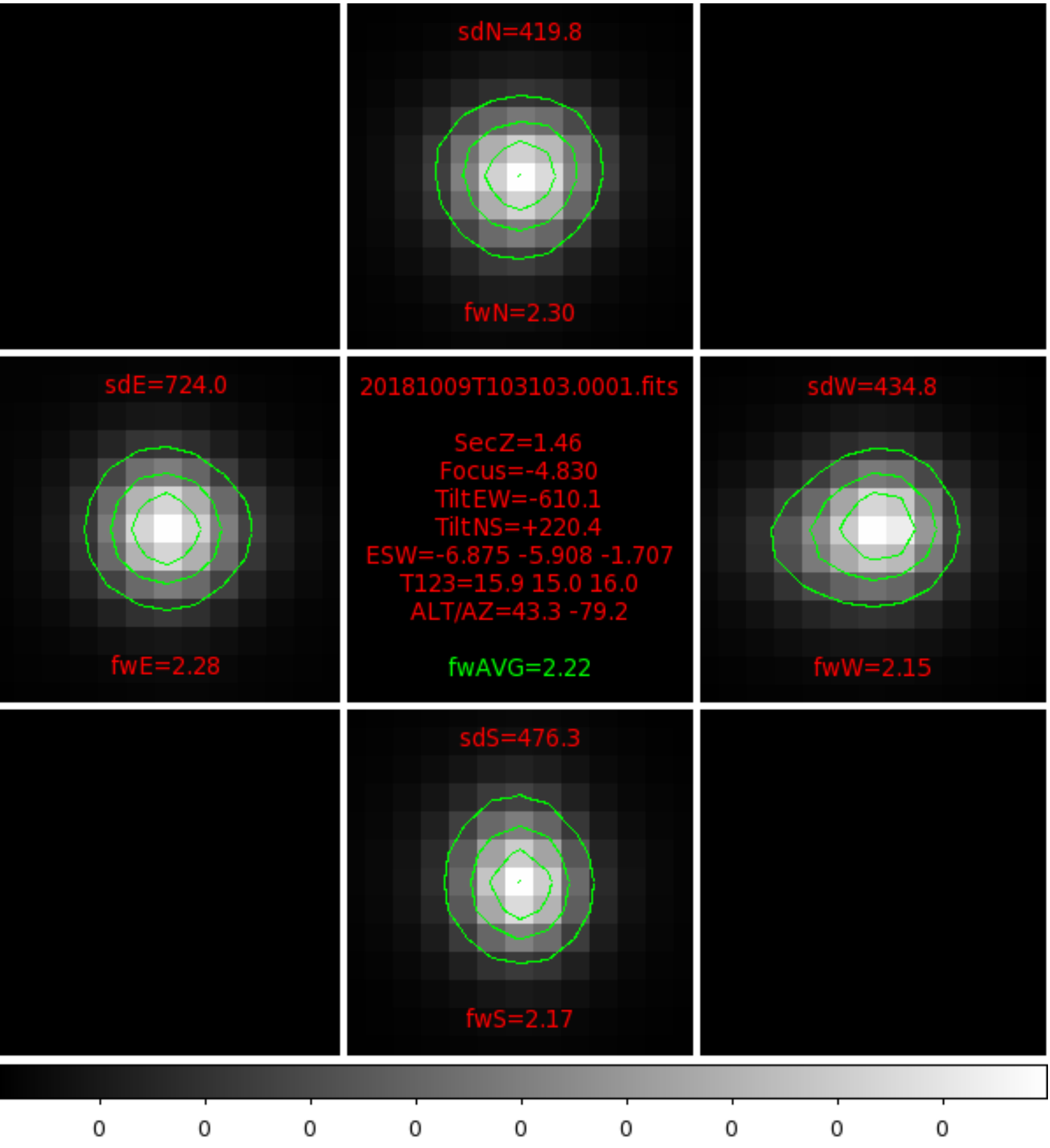
sdN=419.8
fwN=2.30
sdE=724.0
fwE=2.28
20181009T103103.0001.fits
SecZ=1.46
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=15.9 15.0 16.0
ALT/AZ=43.3 -79.2
fwAVG=2.22
sdW=434.8
fwW=2.15
sdS=476.3
fwS=2.17
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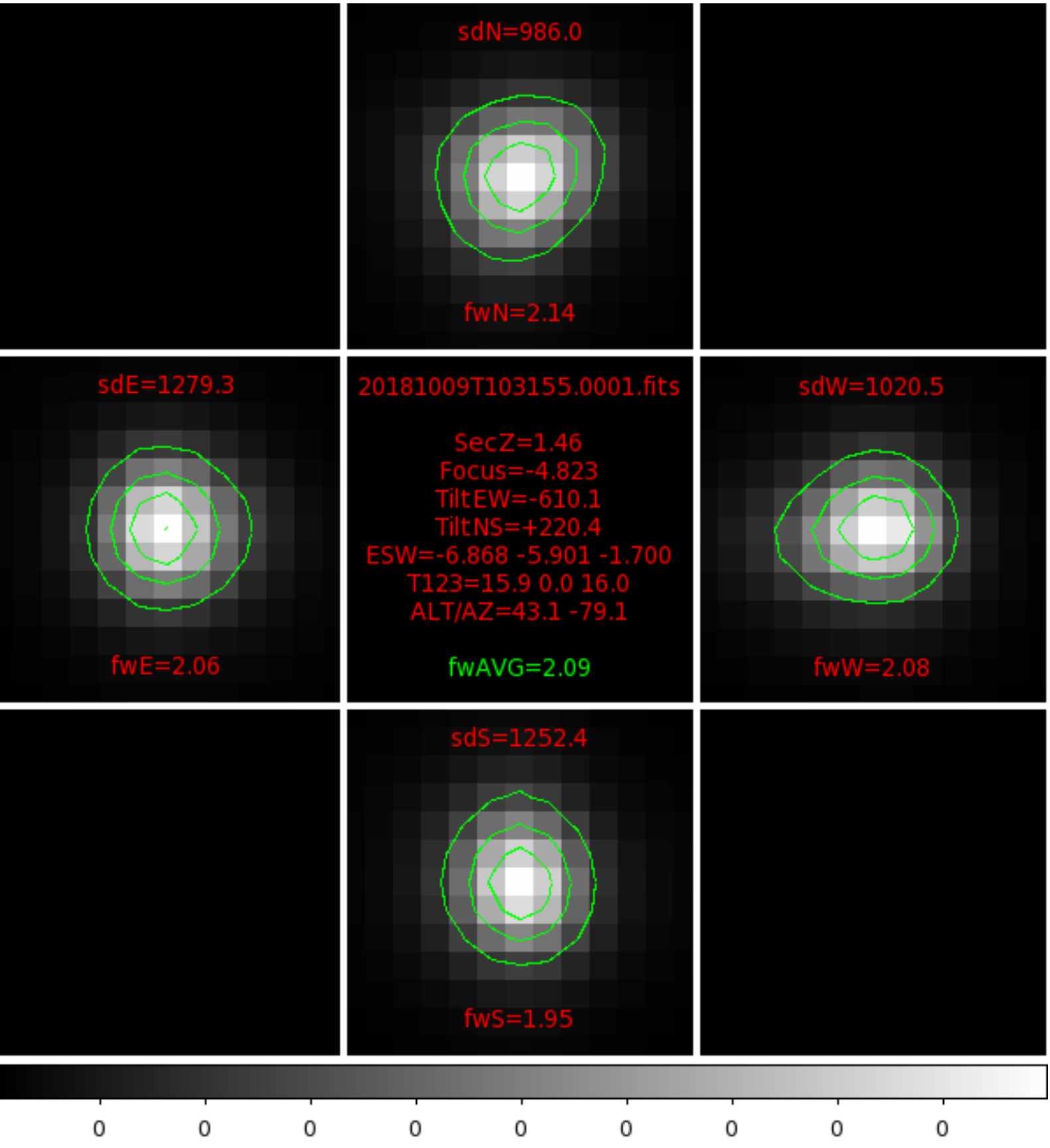
sdN=986.0
fwN=2.14
sdE=1279.3
fwE=2.06
20181009T103155.0001.fits
SecZ=1.46
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=15.9 0.0 16.0
ALT/AZ=43.1 -79.1
fwAVG=2.09
sdW=1020.5
fwW=2.08
sdS=1252.4
fwS=1.95
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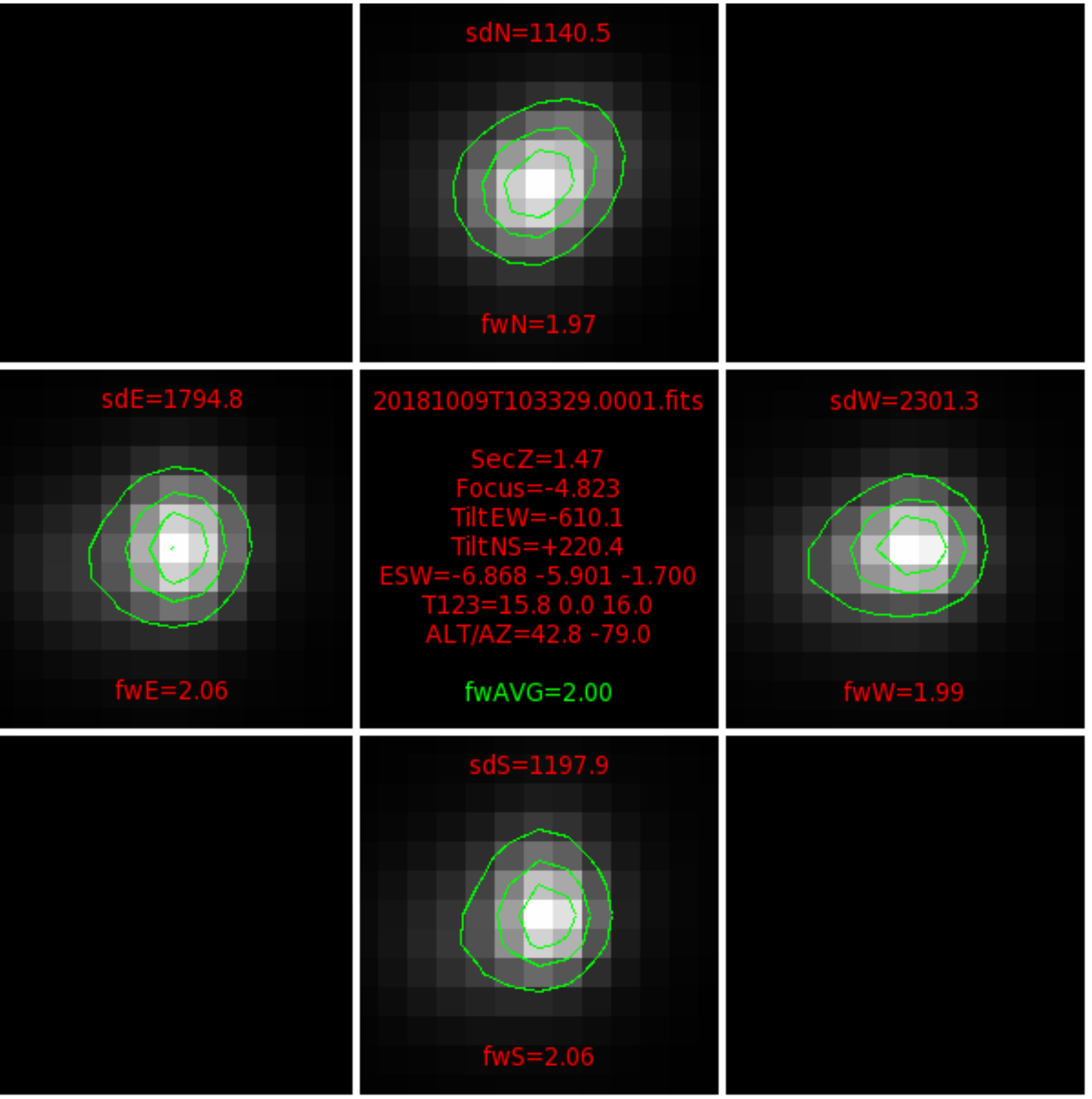
sdN=1140.5
fwN=1.97
sdE=1794.8
fwE=2.06
20181009T103329.0001.fits
SecZ=1.47
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=15.8 0.0 16.0
ALT/AZ=42.8 -79.0
fwAVG=2.00
sdW=2301.3
fwW=1.99
sdS=1197.9
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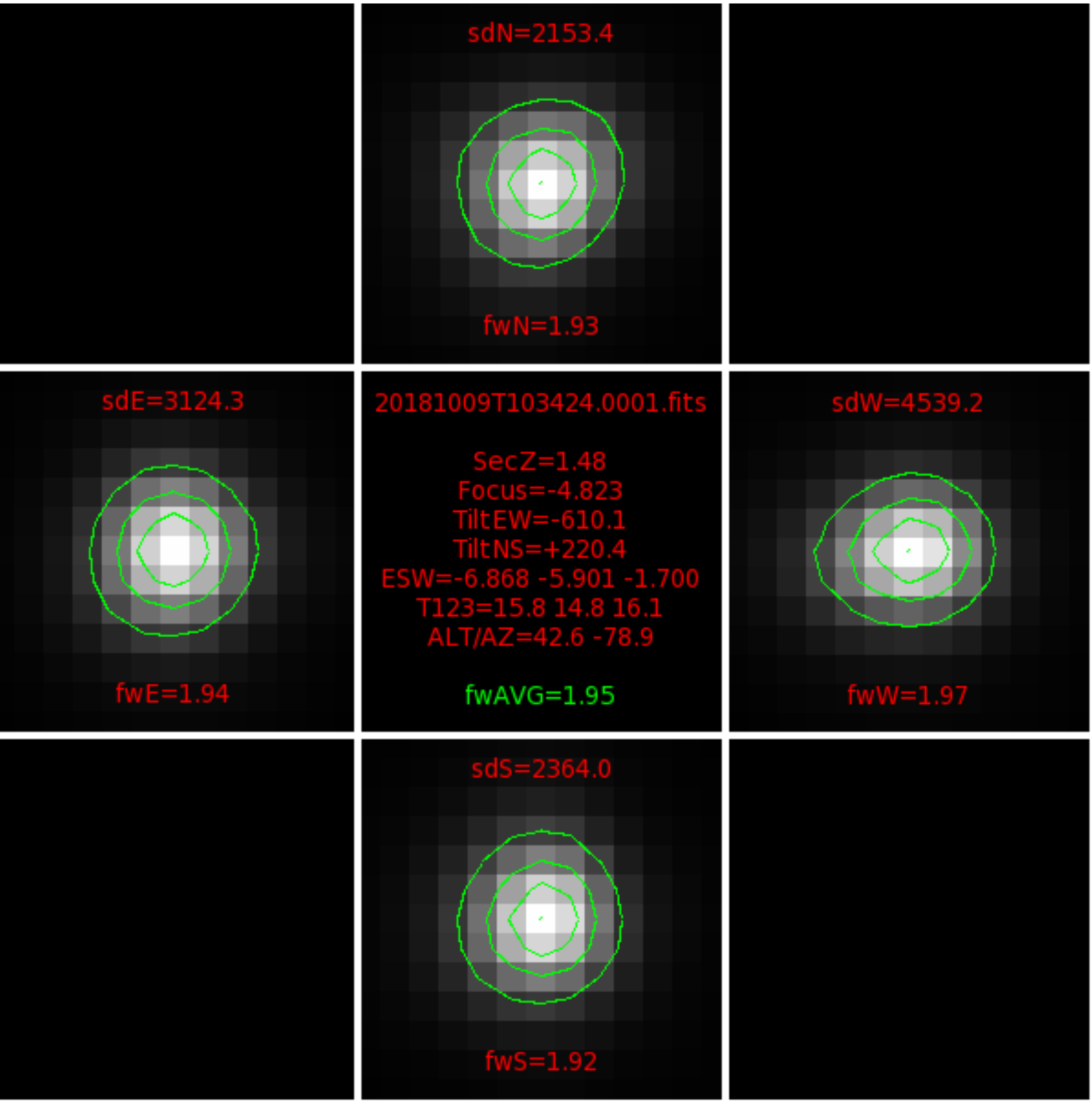
sdN=2153.4
fwN=1.93
sdE=3124.3
fwE=1.94
20181009T103424.0001.fits
SecZ=1.48
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=15.8 14.8 16.1
ALT/AZ=42.6 -78.9
fwAVG=1.95
sdW=4539.2
fwW=1.97
sdS=2364.0
fwS=1.92
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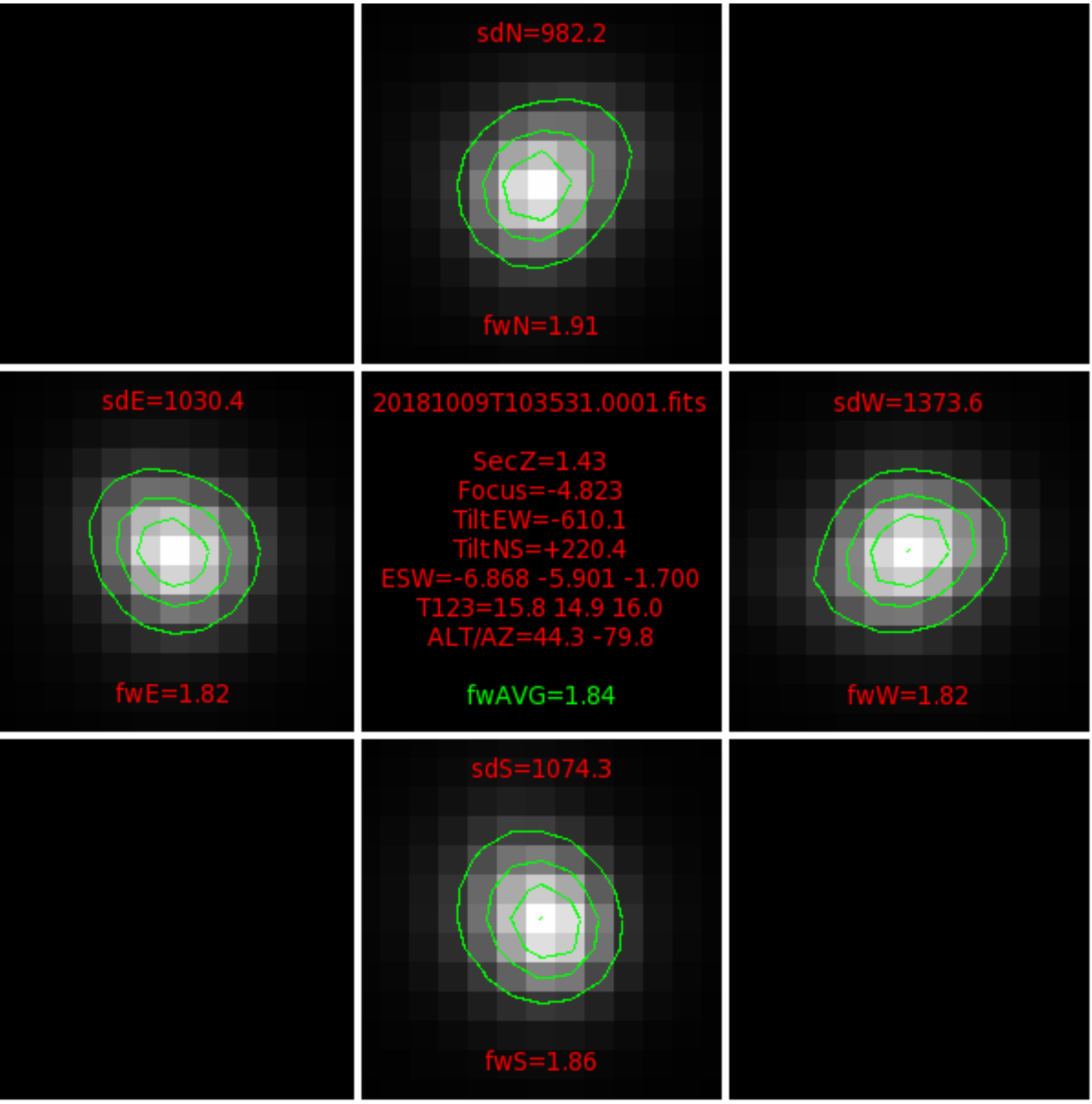
sdN=982.2
fwN=1.91
sdE=1030.4
fwE=1.82
20181009T103531.0001.fits
SecZ=1.43
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=15.8 14.9 16.0
ALT/AZ=44.3 -79.8
fwAVG=1.84
sdW=1373.6
fwW=1.82
sdS=1074.3
fwS=1.86
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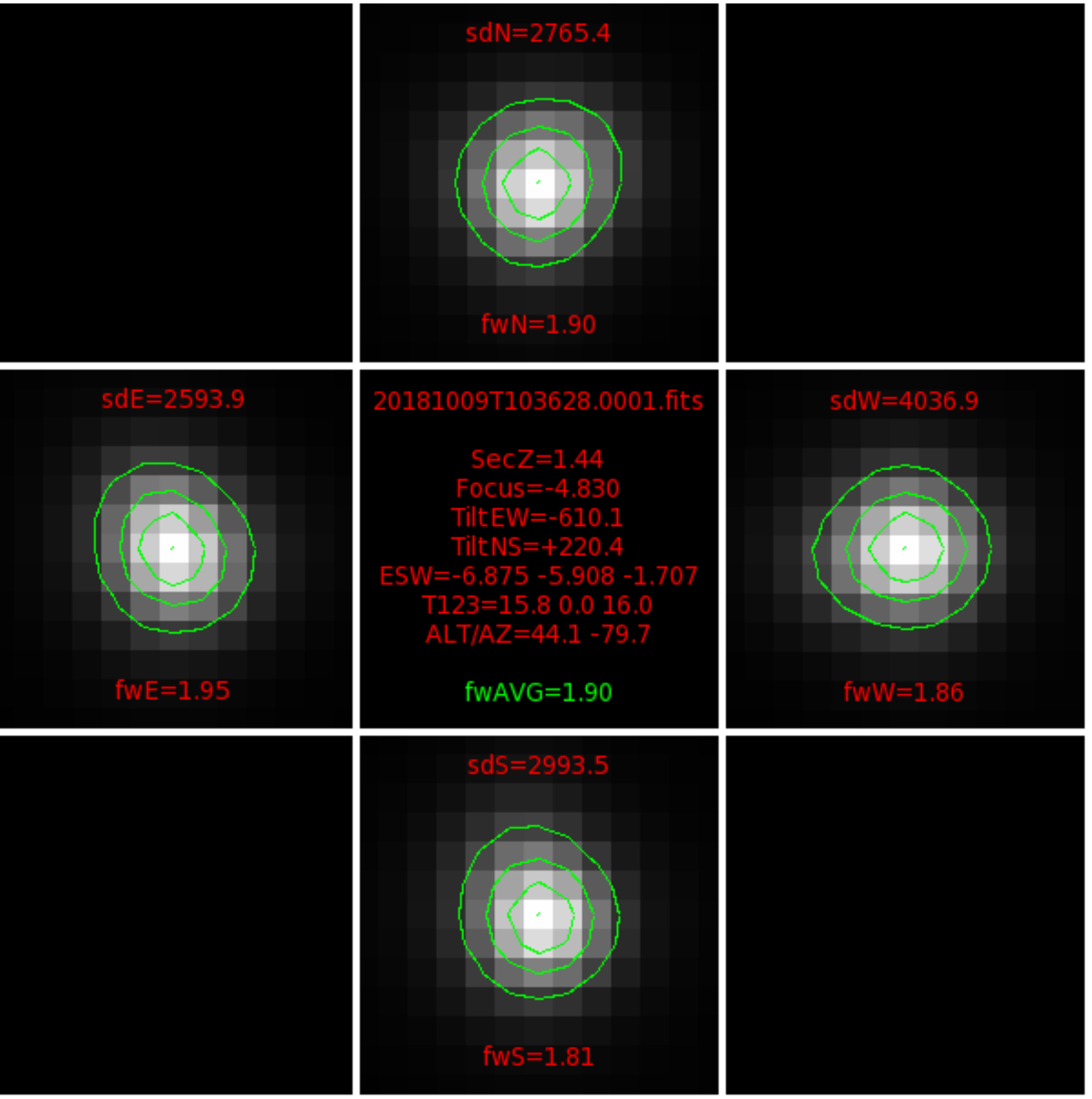
sdN=2765.4
fwN=1.90
sdE=2593.9
fwE=1.95
20181009T103628.0001.fits
SecZ=1.44
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=15.8 0.0 16.0
ALT/AZ=44.1 -79.7
fwAVG=1.90
sdW=4036.9
fwW=1.86
sdS=2993.5
fwS=1.81
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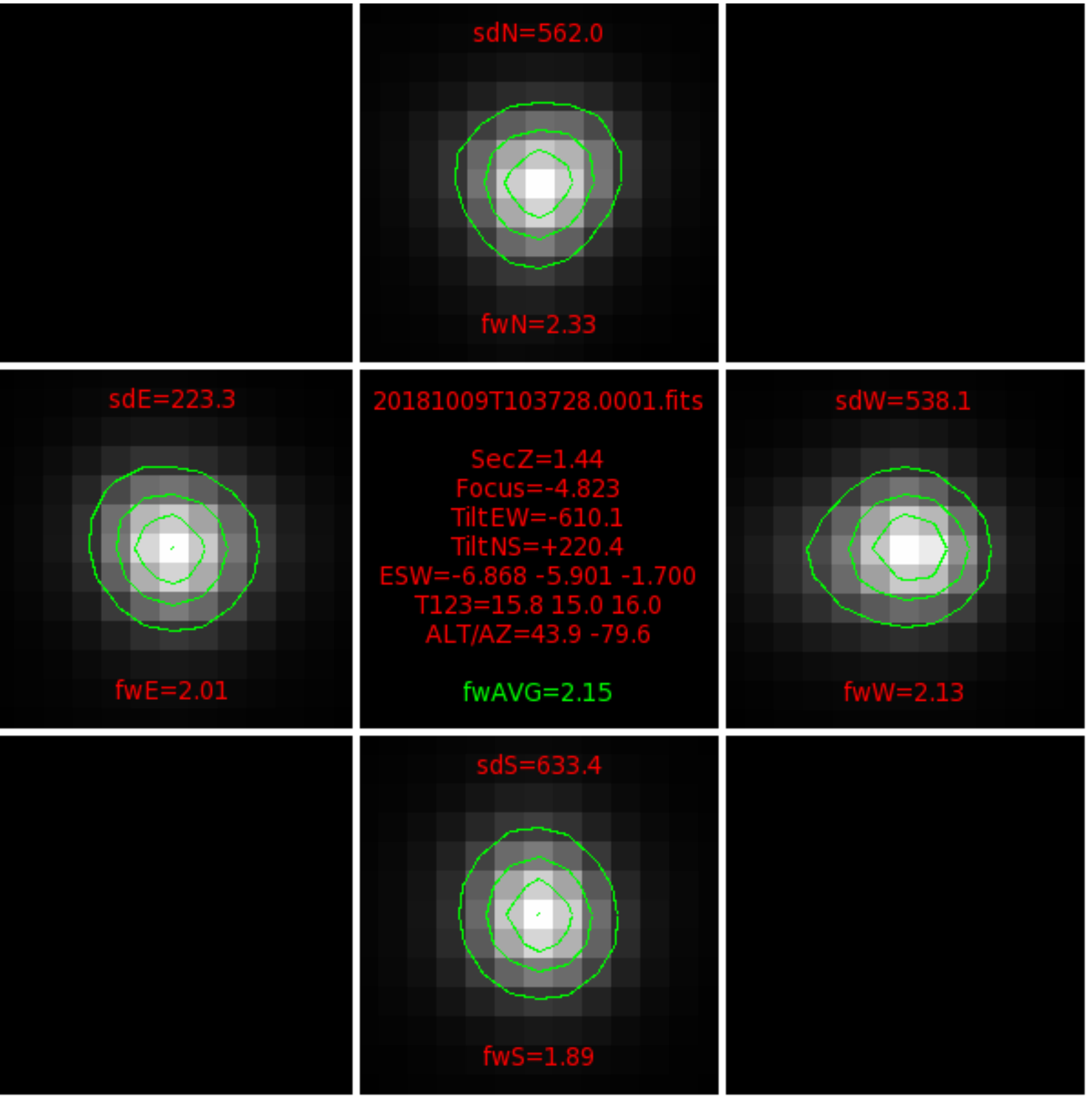
sdN=562.0
fwN=2.33
sdE=223.3
fwE=2.01
20181009T103728.0001.fits
SecZ=1.44
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=15.8 15.0 16.0
ALT/AZ=43.9 -79.6
fwAVG=2.15
sdW=538.1
fwW=2.13
sdS=633.4
fwS=1.89
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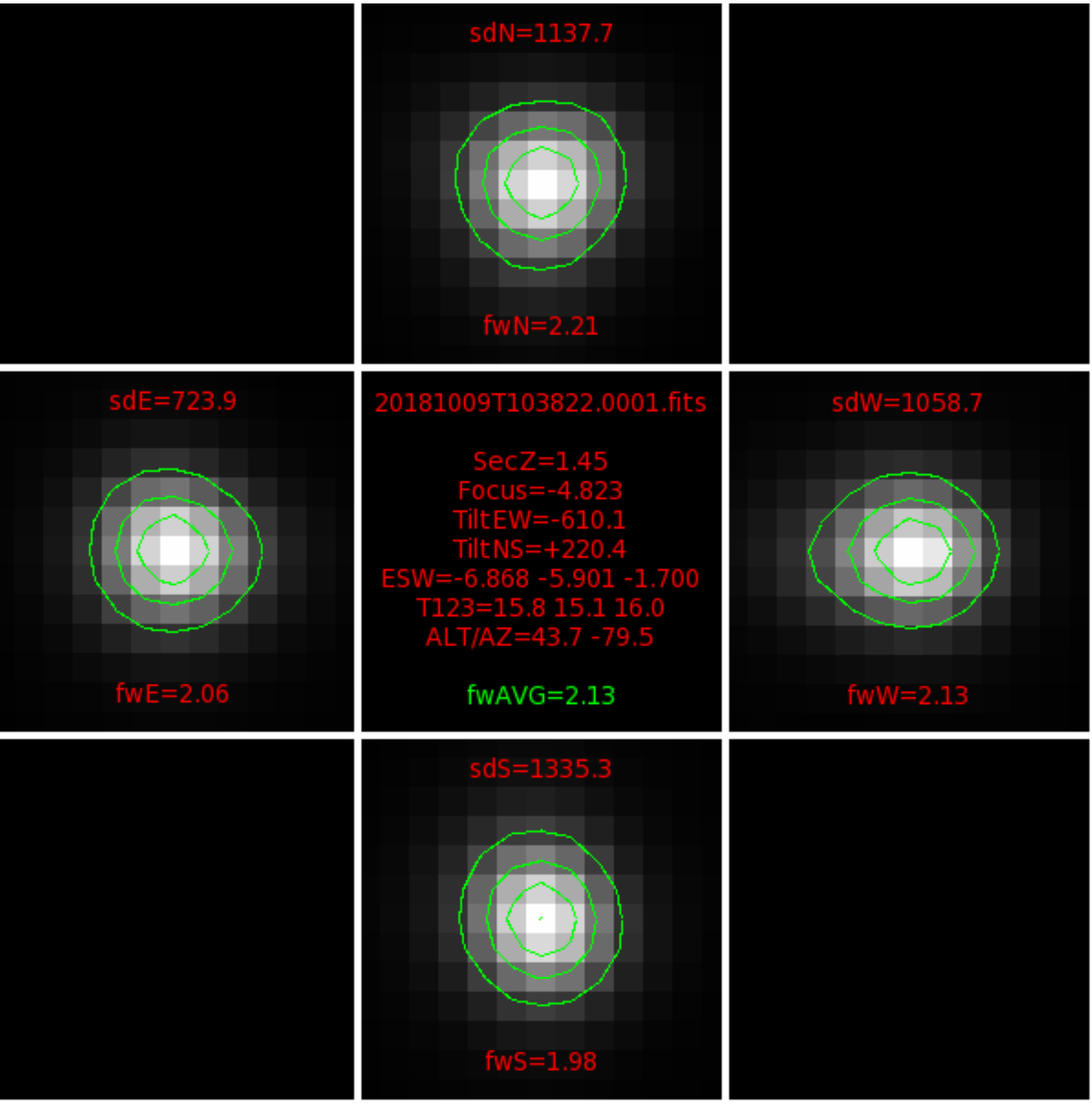
sdN=1137.7
fwN=2.21
sdE=723.9
fwE=2.06
20181009T103822.0001.fits
SecZ=1.45
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=15.8 15.1 16.0
ALT/AZ=43.7 -79.5
fwAVG=2.13
sdW=1058.7
fwW=2.13
sdS=1335.3
fwS=1.98
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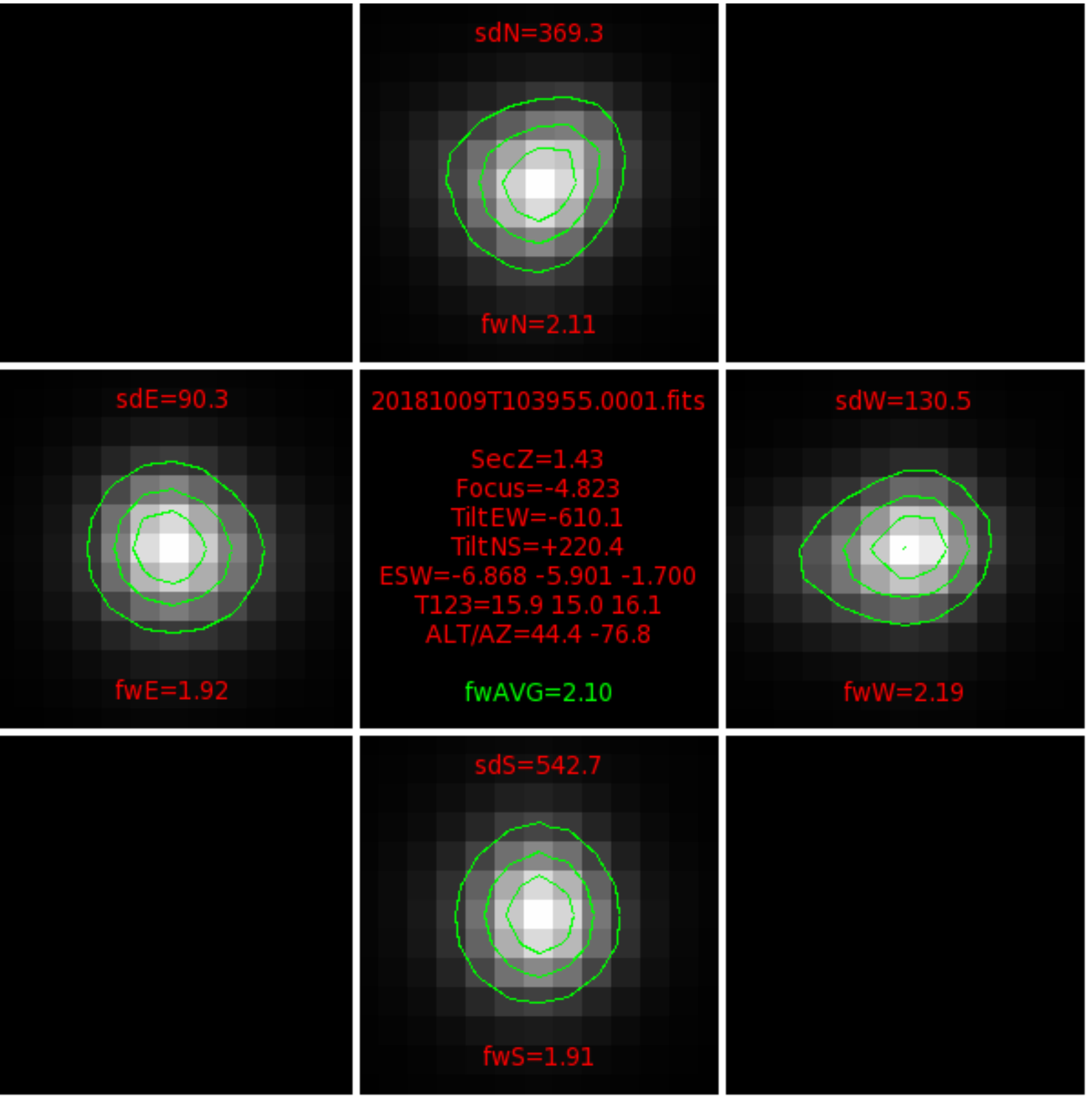
sdN=369.3
fwN=2.11
sdE=90.3
fwE=1.92
20181009T103955.0001.fits
SecZ=1.43
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=15.9 15.0 16.1
ALT/AZ=44.4 -76.8
fwAVG=2.10
sdW=130.5
fwW=2.19
sdS=542.7
fwS=1.91
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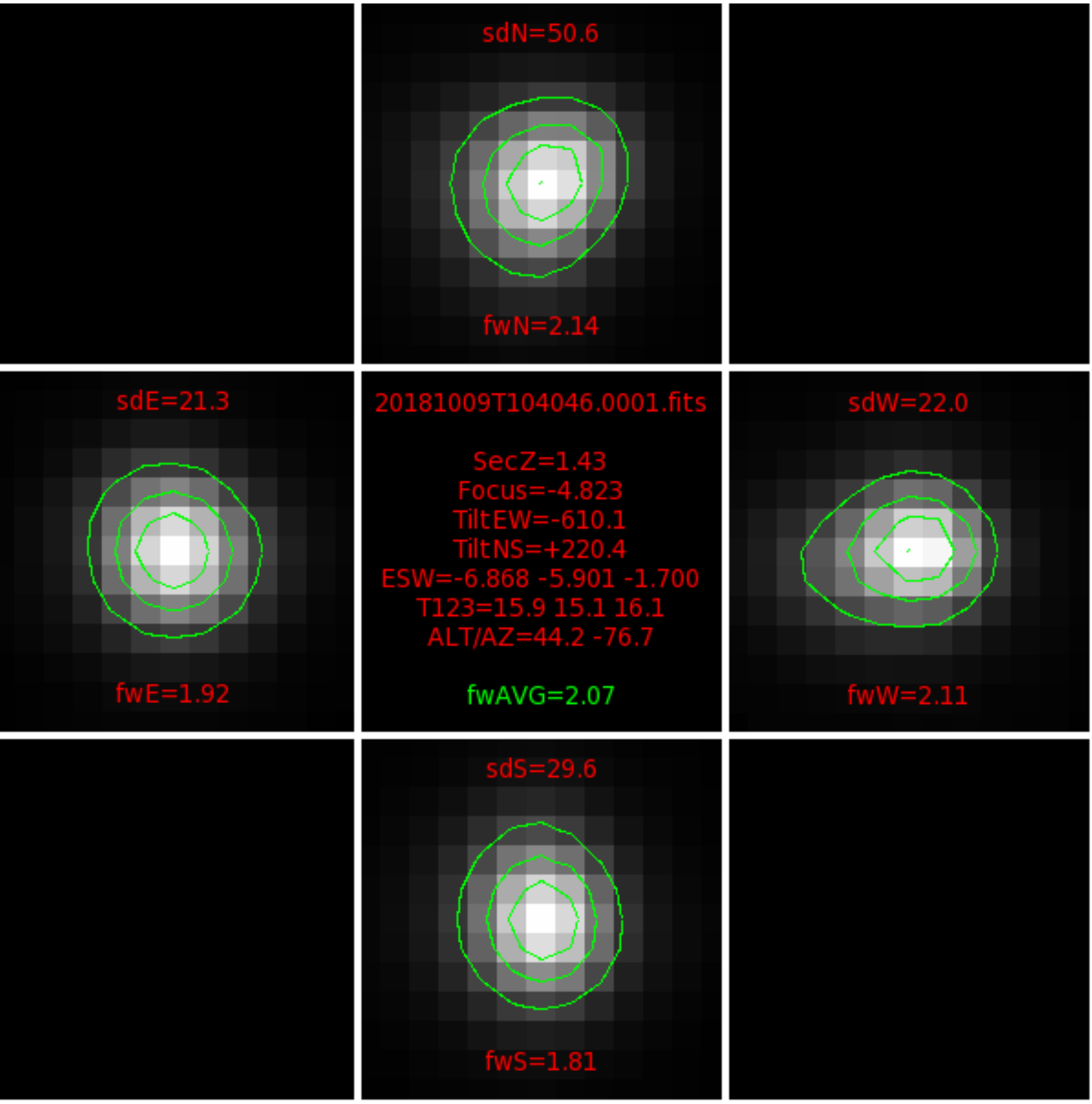
sdN=50.6
fwN=2.14
sdE=21.3
fwE=1.92
20181009T104046.0001.fits
SecZ=1.43
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=15.9 15.1 16.1
ALT/AZ=44.2 -76.7
fwAVG=2.07
sdW=22.0
fwW=2.11
sdS=29.6
fwS=1.81
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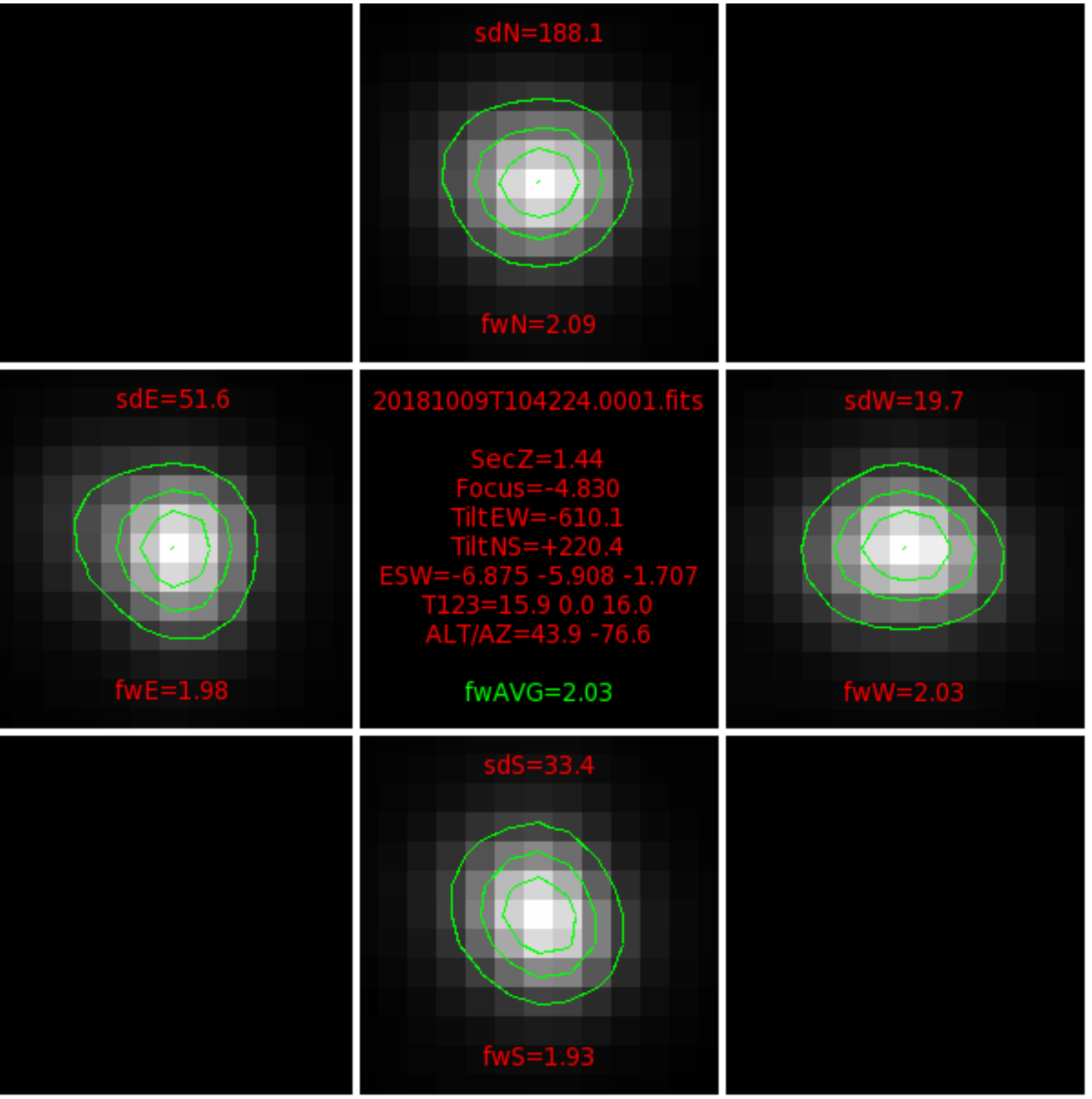
sdN=188.1
fwN=2.09
sdE=51.6
fwE=1.98
20181009T104224.0001.fits
SecZ=1.44
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=15.9 0.0 16.0
ALT/AZ=43.9 -76.6
fwAVG=2.03
sdW=19.7
fwW=2.03
sdS=33.4
fwS=1.93
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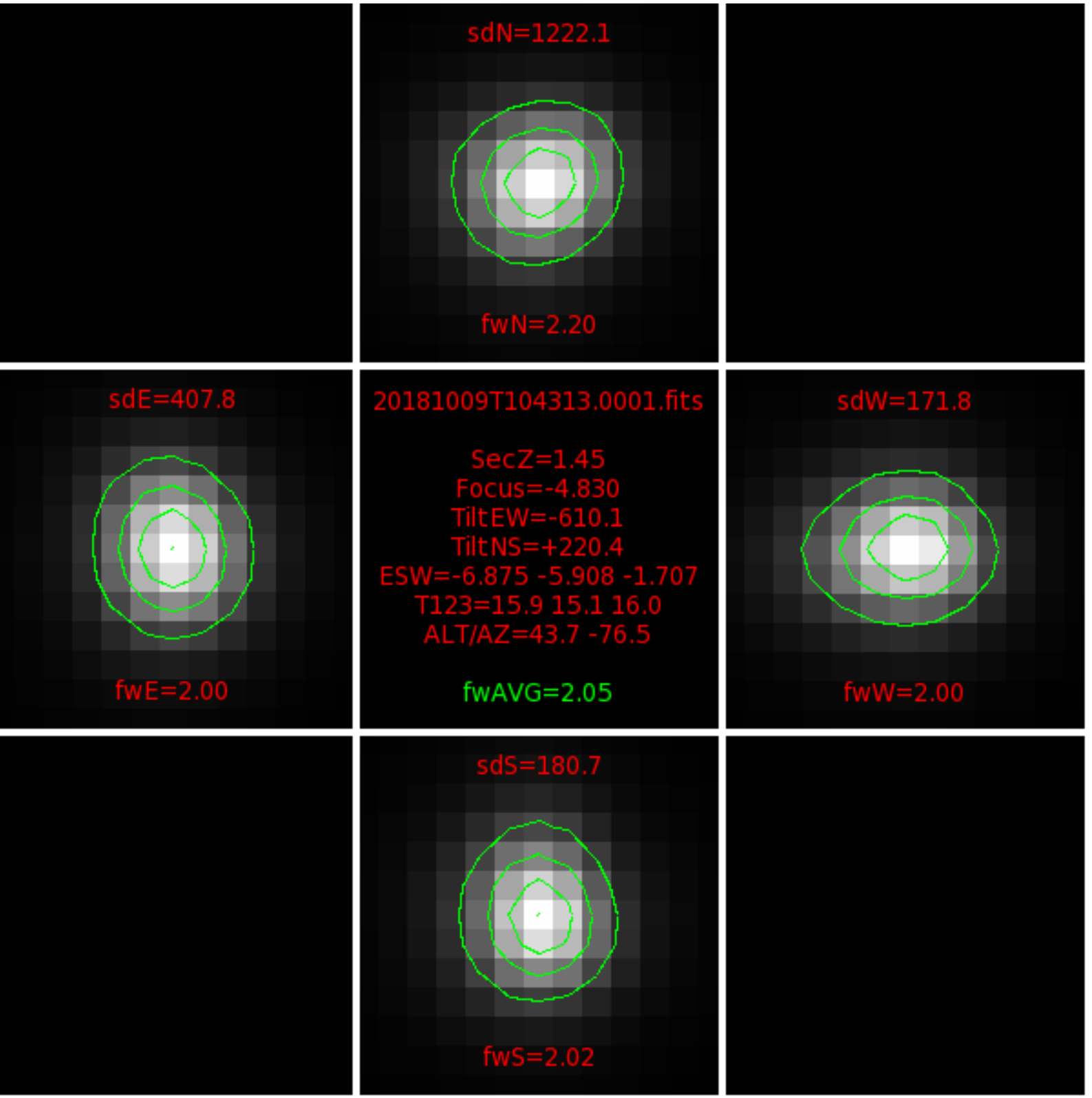
sdN=1222.1
fwN=2.20
sdE=407.8
fwE=2.00
20181009T104313.0001.fits
SecZ=1.45
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=15.9 15.1 16.0
ALT/AZ=43.7 -76.5
fwAVG=2.05
sdW=171.8
fwW=2.00
sdS=180.7
fwS=2.02
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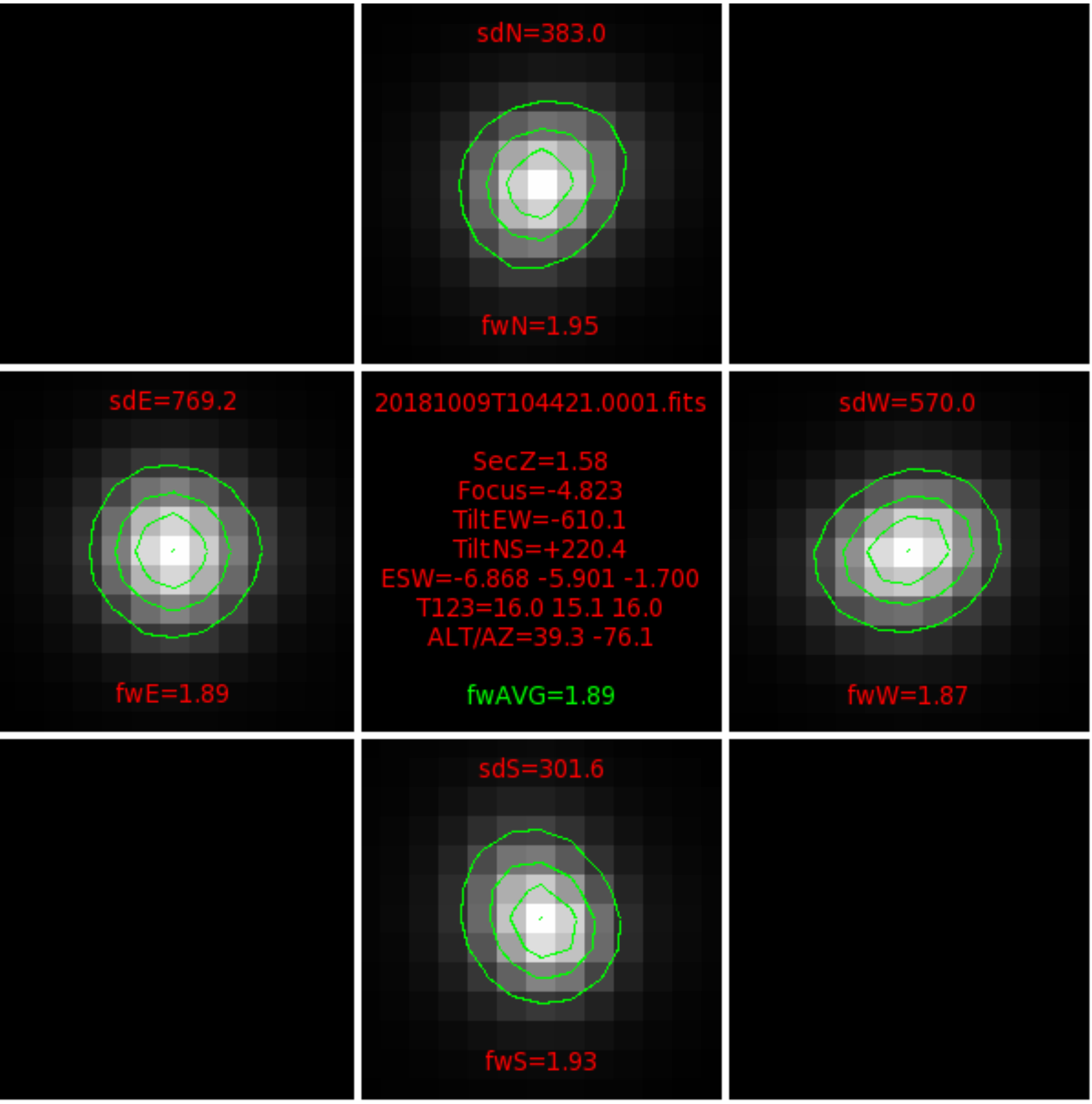
sdN=383.0
fwN=1.95
sdE=769.2
fwE=1.89
20181009T104421.0001.fits
SecZ=1.58
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=16.0 15.1 16.0
ALT/AZ=39.3 -76.1
fwAVG=1.89
sdW=570.0
fwW=1.87
sdS=301.6
fwS=1.93
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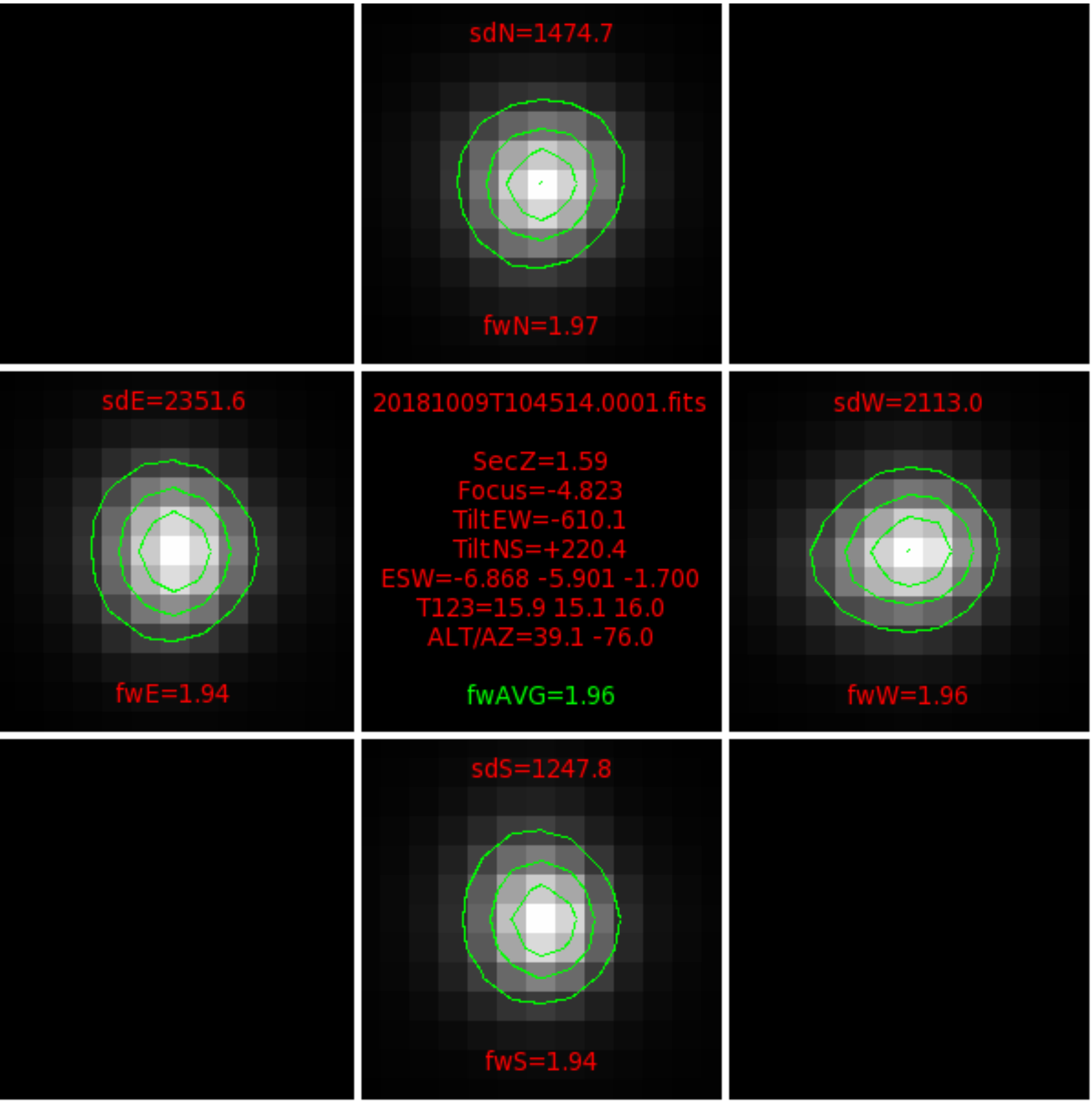
sdN=1474.7
fwN=1.97
sdE=2351.6
fwE=1.94
20181009T104514.0001.fits
SecZ=1.59
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=15.9 15.1 16.0
ALT/AZ=39.1 -76.0
fwAVG=1.96
sdW=2113.0
fwW=1.96
sdS=1247.8
fwS=1.94
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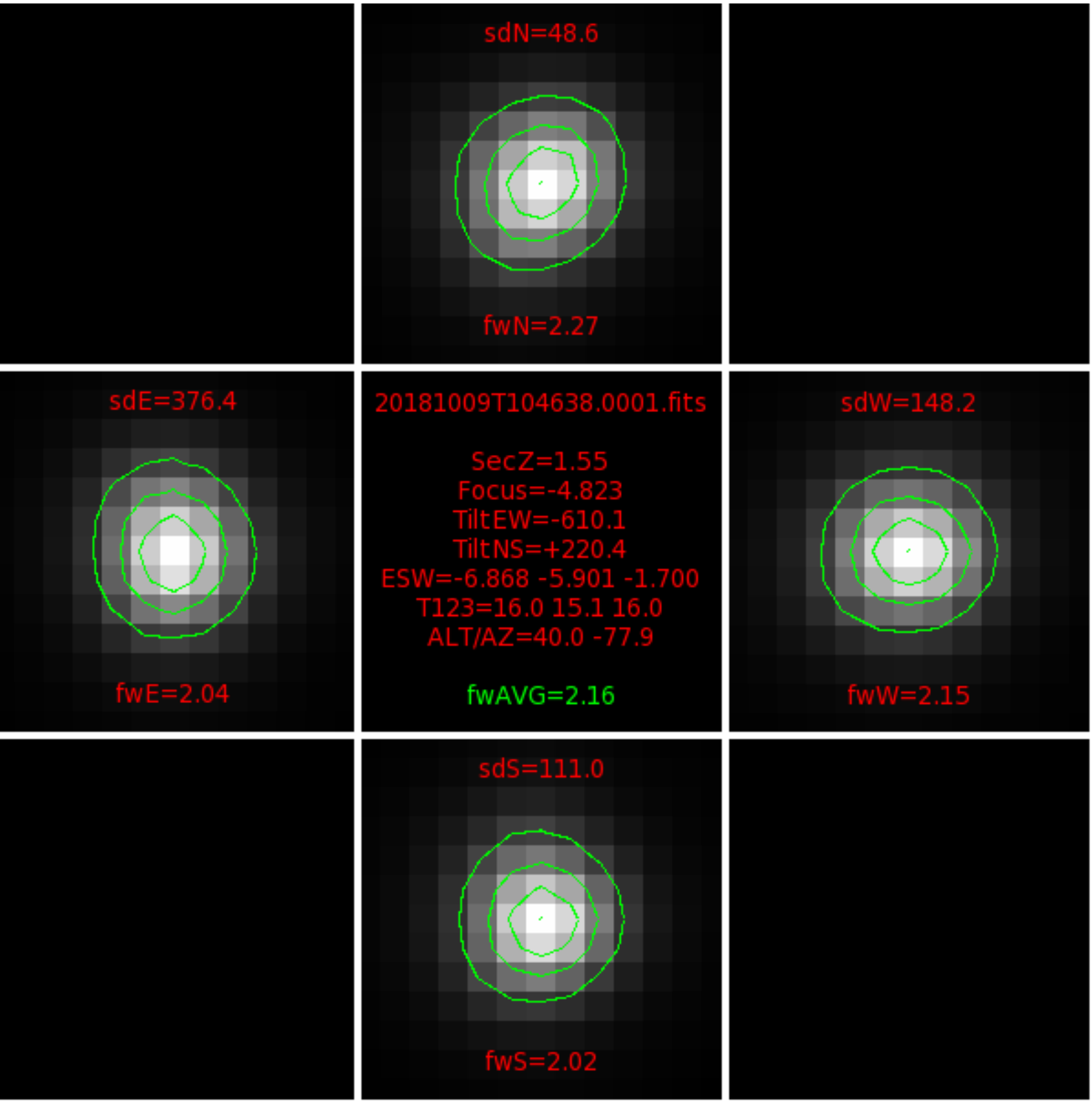
sdN=48.6
fwN=2.27
sdE=376.4
fwE=2.04
20181009T104638.0001.fits
SecZ=1.55
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=16.0 15.1 16.0
ALT/AZ=40.0 -77.9
fwAVG=2.16
sdW=148.2
fwW=2.15
sdS=111.0
fwS=2.02
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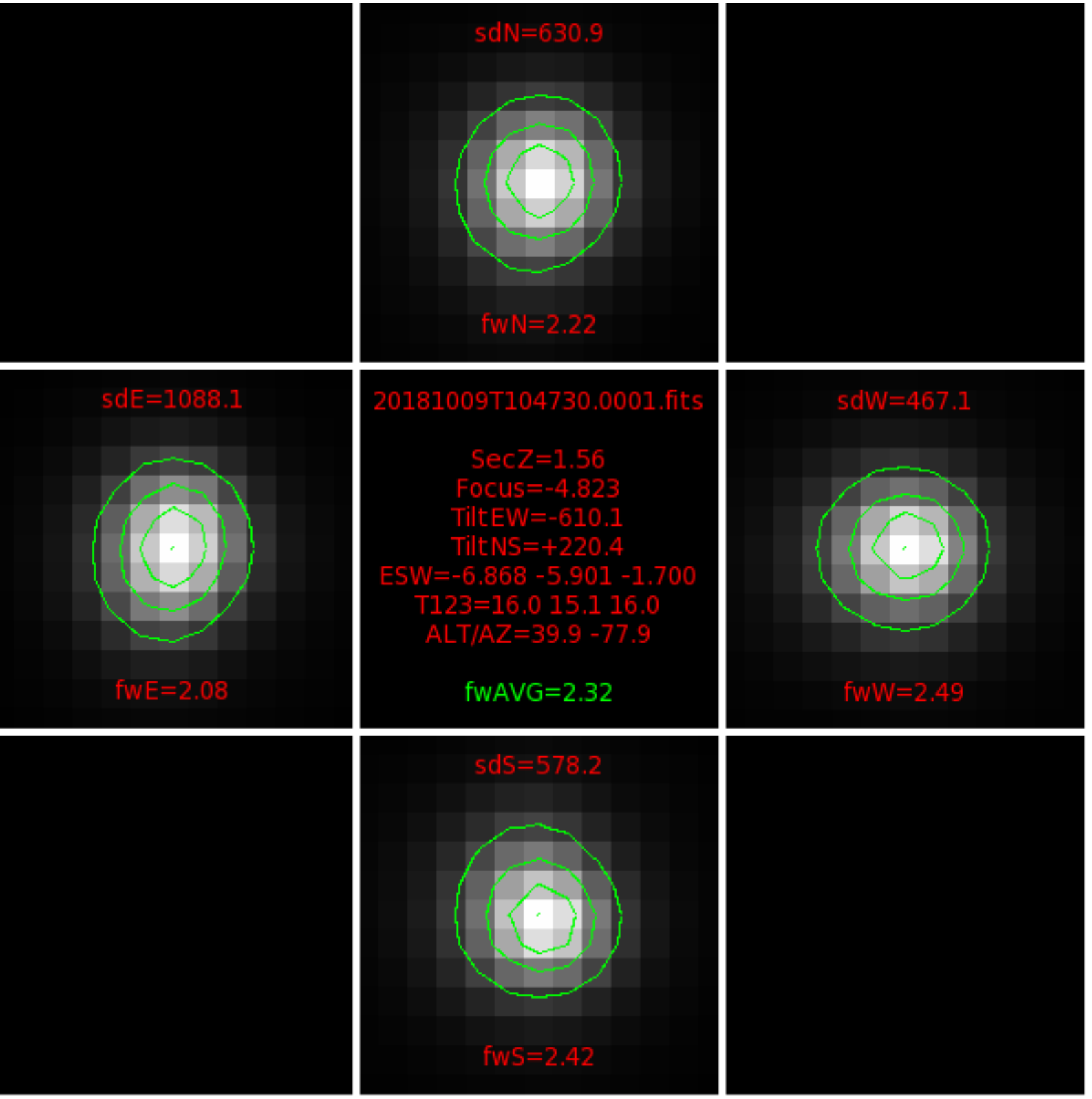
sdN=630.9
fwN=2.22
sdE=1088.1
fwE=2.08
20181009T104730.0001.fits
SecZ=1.56
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=16.0 15.1 16.0
ALT/AZ=39.9 -77.9
fwAVG=2.32
sdW=467.1
fwW=2.49
sdS=578.2
fwS=2.42
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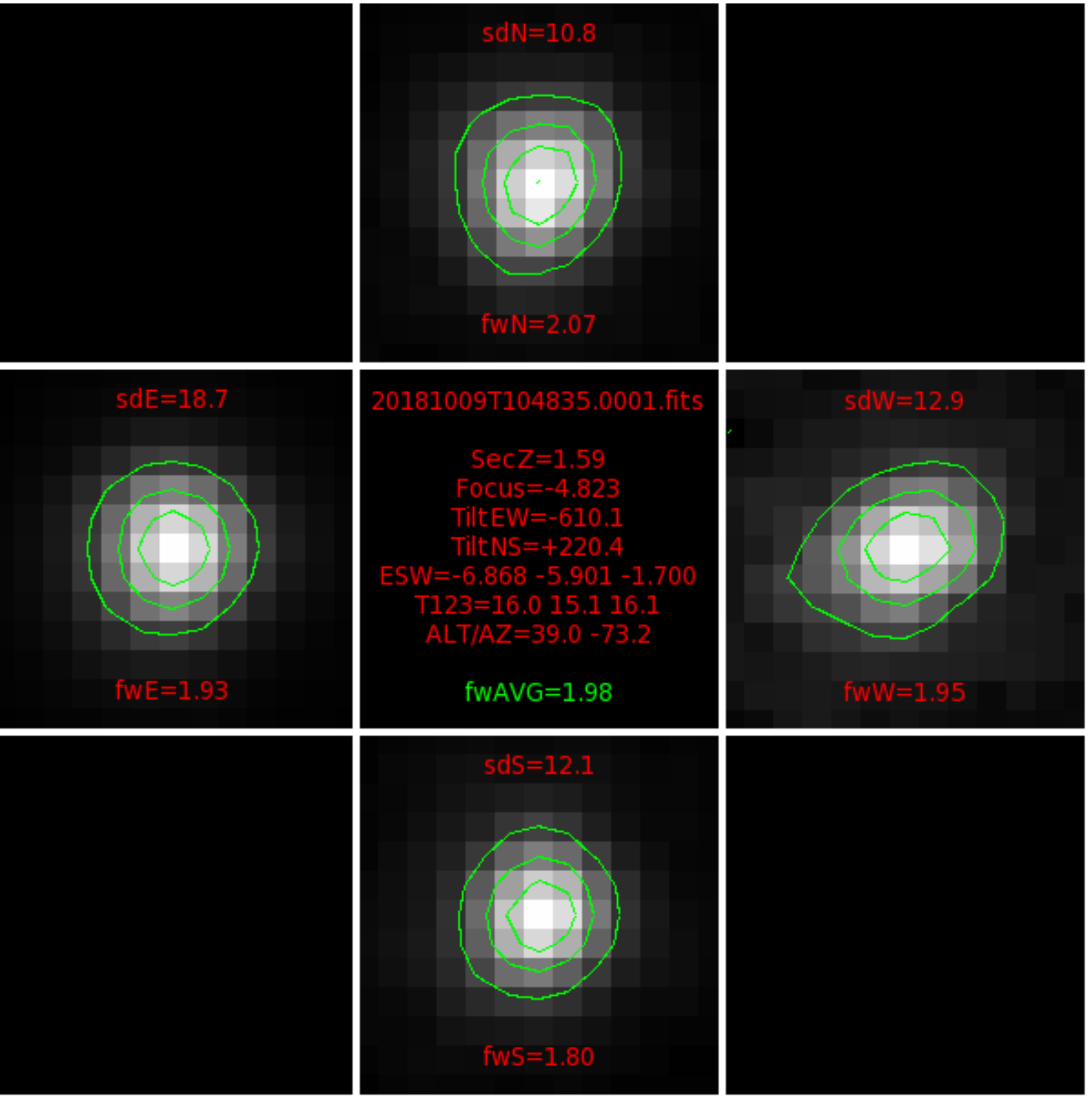
sdN=10.8
fwN=2.07
sdE=18.7
fwE=1.93
20181009T104835.0001.fits
SecZ=1.59
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=16.0 15.1 16.1
ALT/AZ=39.0 -73.2
fwAVG=1.98
sdW=12.9
fwW=1.95
sdS=12.1
fwS=1.80
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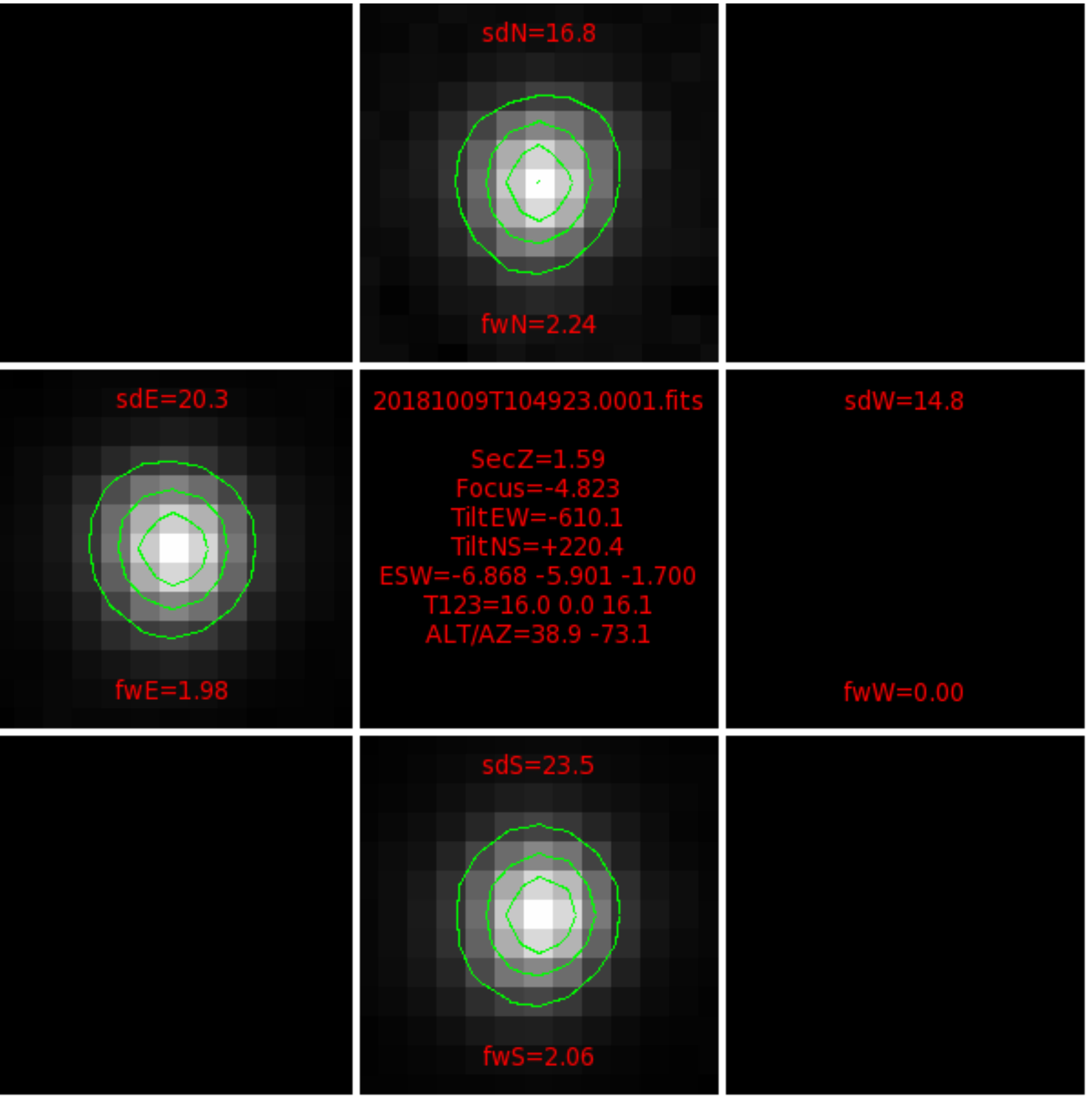
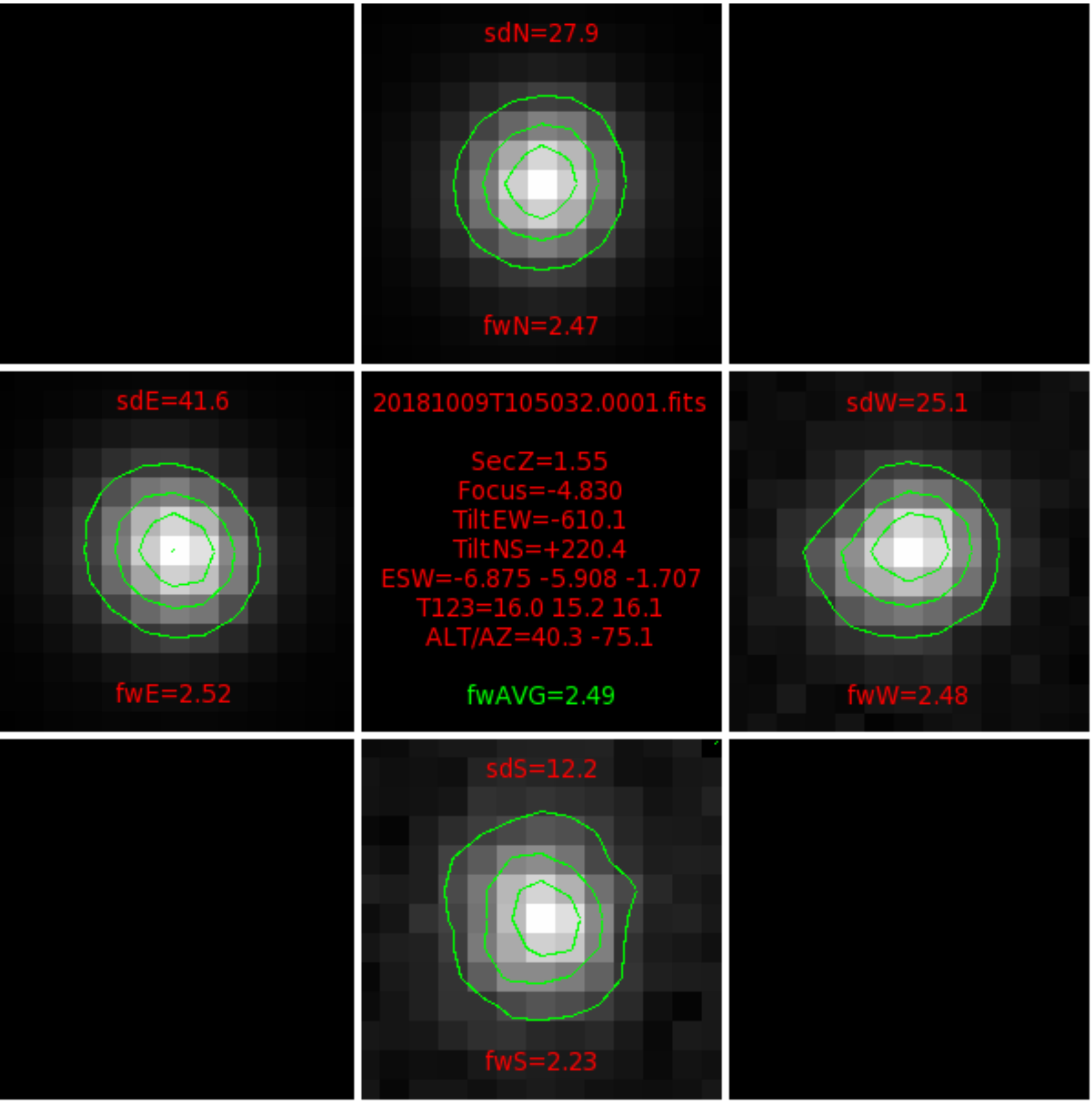

sdN=16.8
fwN=2.24
sdE=20.3
fwE=1.98
20181009T104923.0001.fits
SecZ=1.59
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=16.0 0.0 16.1
ALT/AZ=38.9 -73.1
sdW=14.8
fwW=0.00
sdS=23.5
fwS=2.06
0 0 0 0 0 0 0 0 0


sdN=27.9
fwN=2.47
sdE=41.6
fwE=2.52
20181009T105032.0001.fits
SecZ=1.55
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=16.0 15.2 16.1
ALT/AZ=40.3 -75.1
fwAVG=2.49
sdW=25.1
fwW=2.48
sdS=12.2
fwS=2.23
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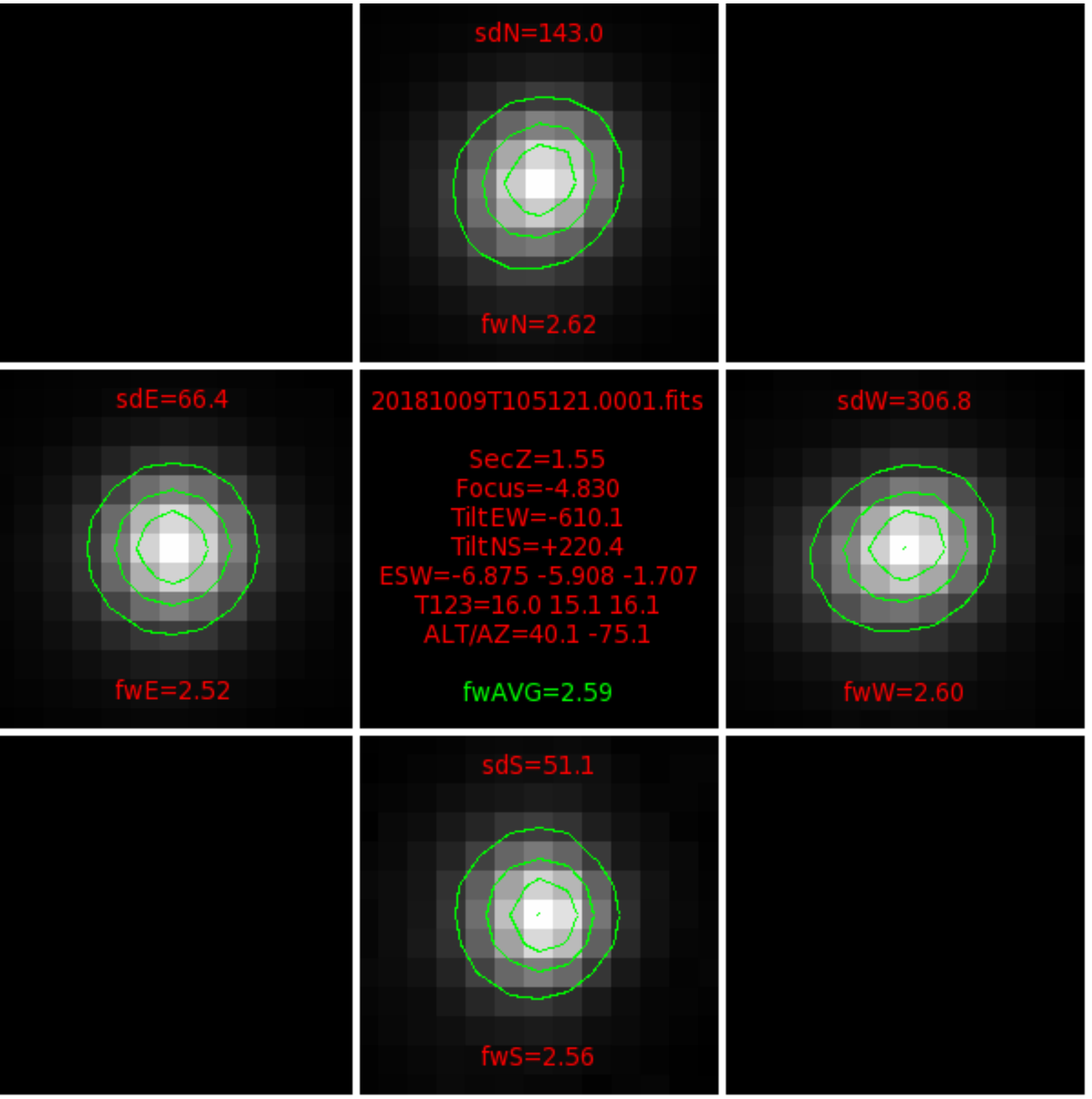
sdN=143.0
fwN=2.62
sdE=66.4
fwE=2.52
20181009T105121.0001.fits
SecZ=1.55
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=16.0 15.1 16.1
ALT/AZ=40.1 -75.1
fwAVG=2.59
sdW=306.8
fwW=2.60
sdS=51.1
fwS=2.56
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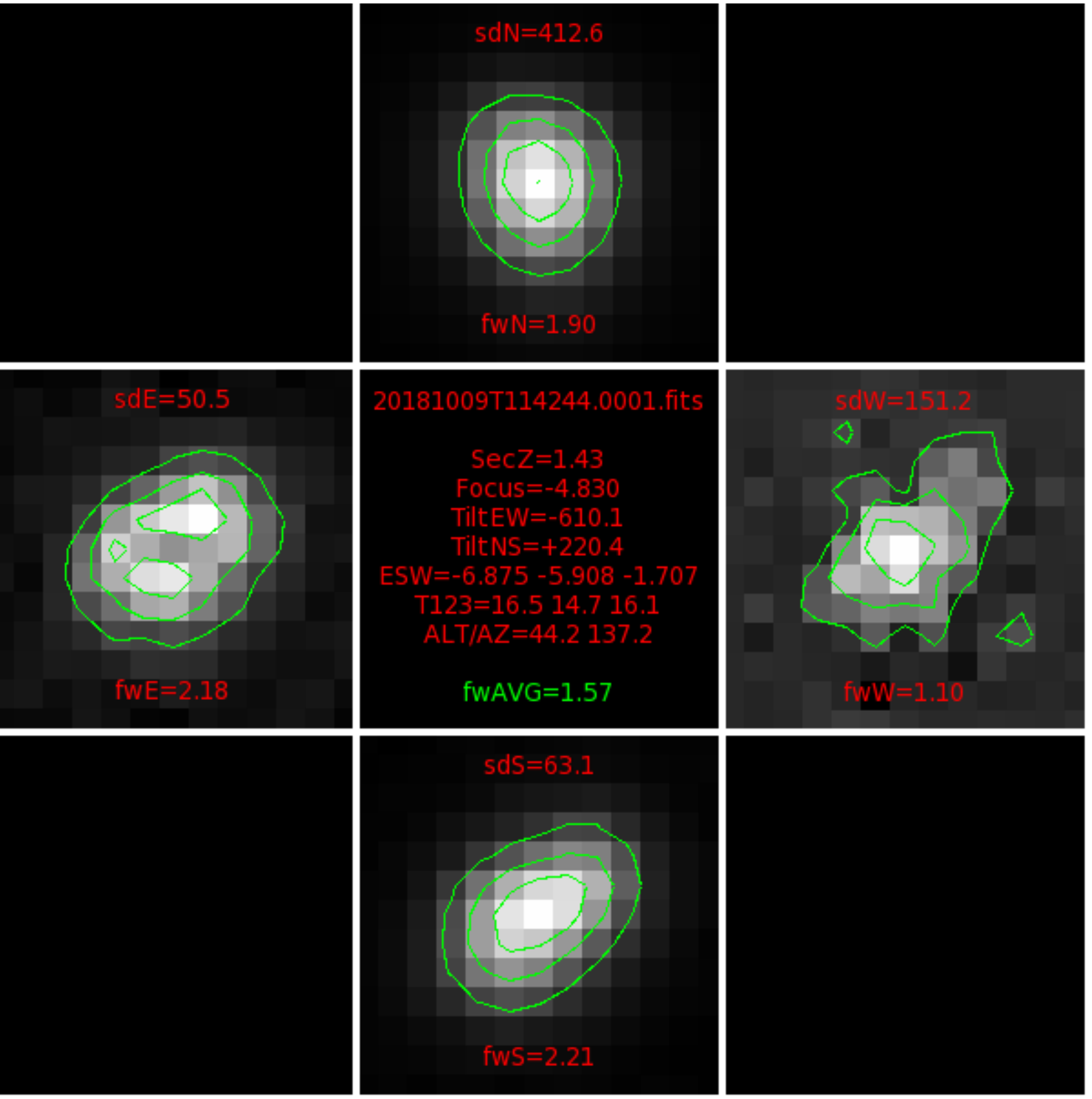
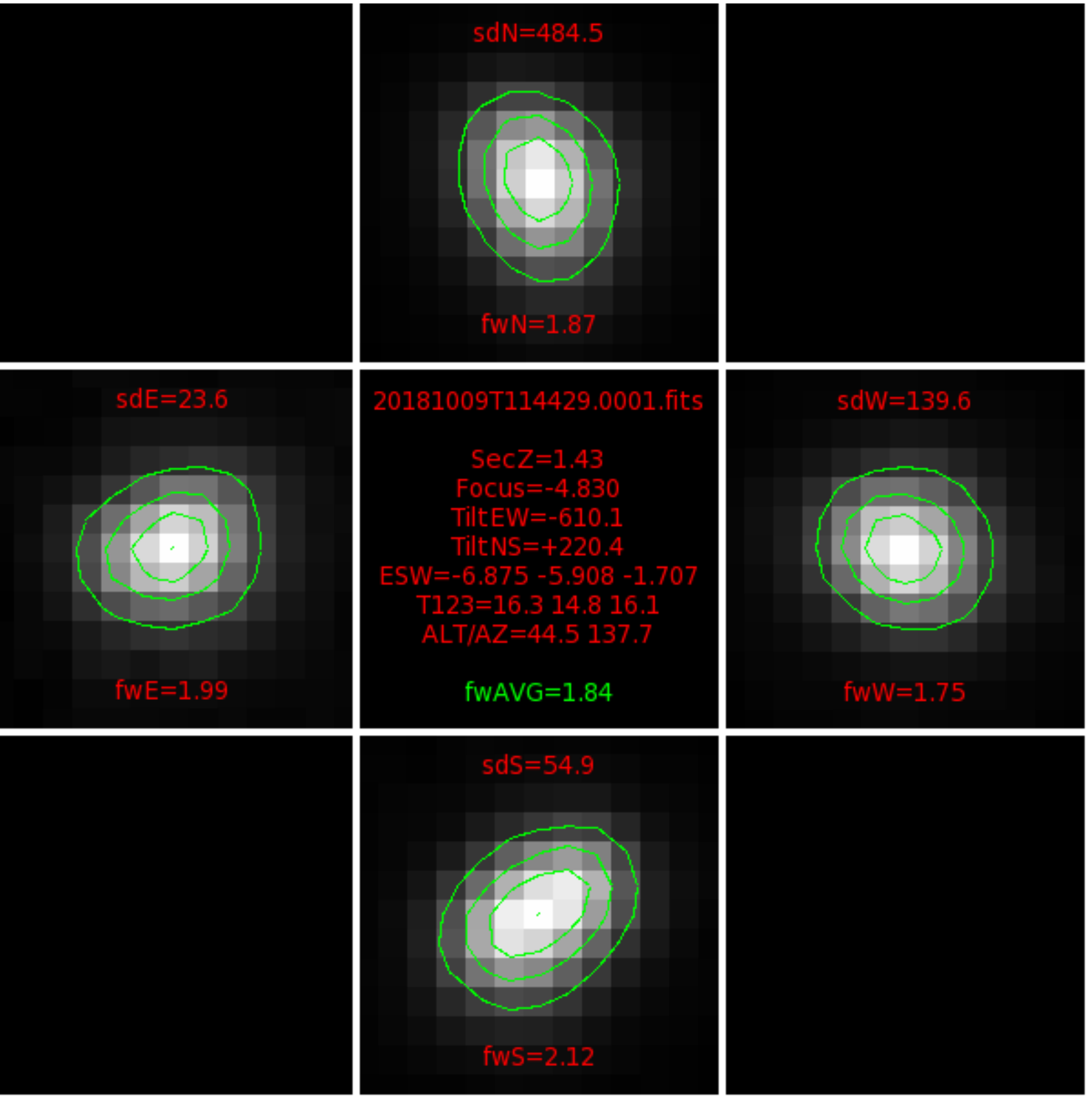

sdN=412.6
fwN=1.90
sdE=50.5
fwE=2.18
20181009T114244.0001.fits
SecZ=1.43
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=16.5 14.7 16.1
ALT/AZ=44.2 137.2
fwAVG=1.57
sdW=151.2
fwW=1.10
sdS=63.1
fwS=2.21
0 0 0 0 0 0 0 0 0


sdN=484.5
fwN=1.87
sdE=23.6
fwE=1.99
20181009T114429.0001.fits
SecZ=1.43
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=16.3 14.8 16.1
ALT/AZ=44.5 137.7
fwAVG=1.84
sdW=139.6
fwW=1.75
sdS=54.9
fwS=2.12
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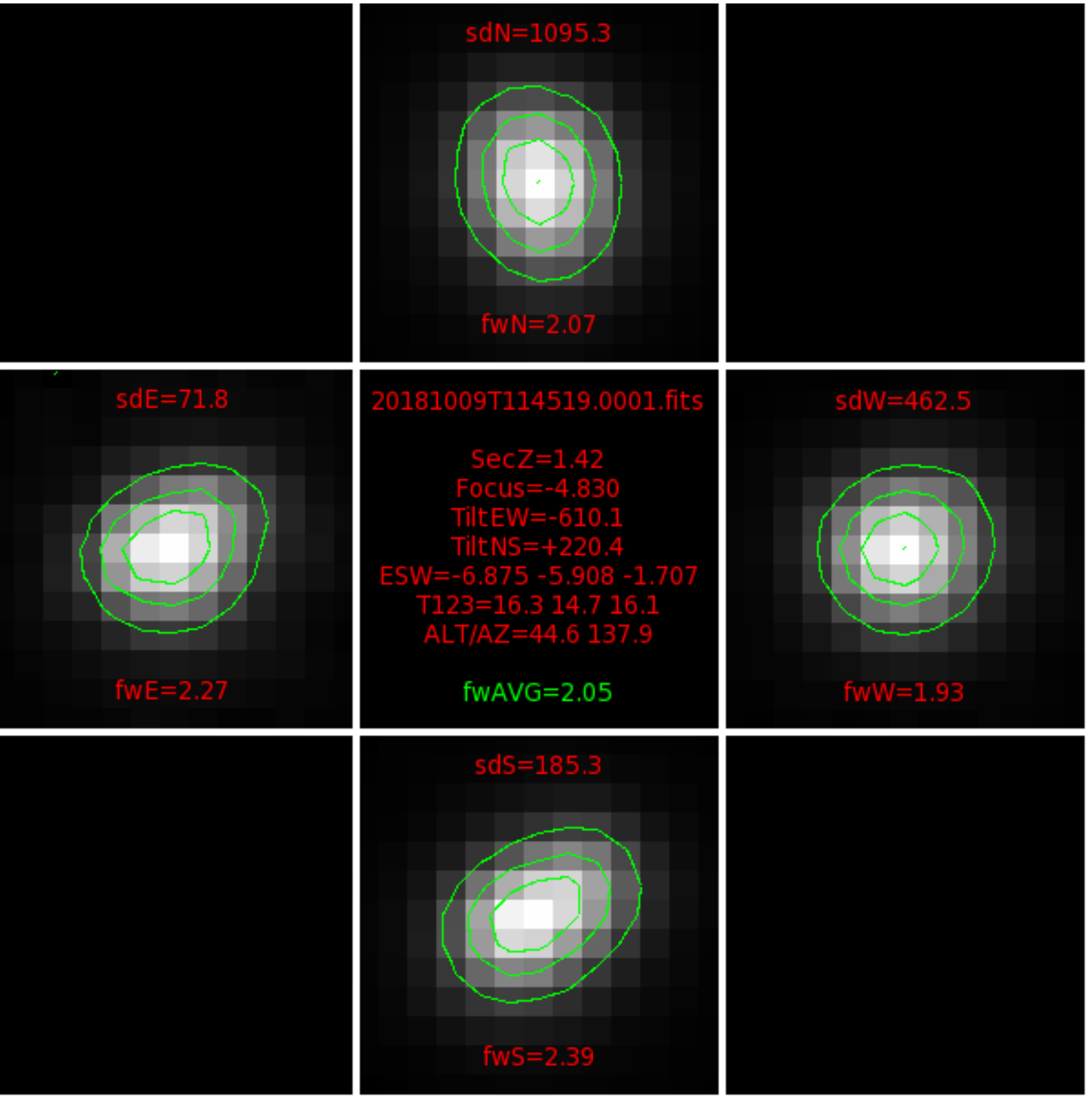
sdN=1095.3
fwN=2.07
sdE=71.8
fwE=2.27
20181009T114519.0001.fits
SecZ=1.42
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=16.3 14.7 16.1
ALT/AZ=44.6 137.9
fwAVG=2.05
sdW=462.5
fwW=1.93
sdS=185.3
fwS=2.39
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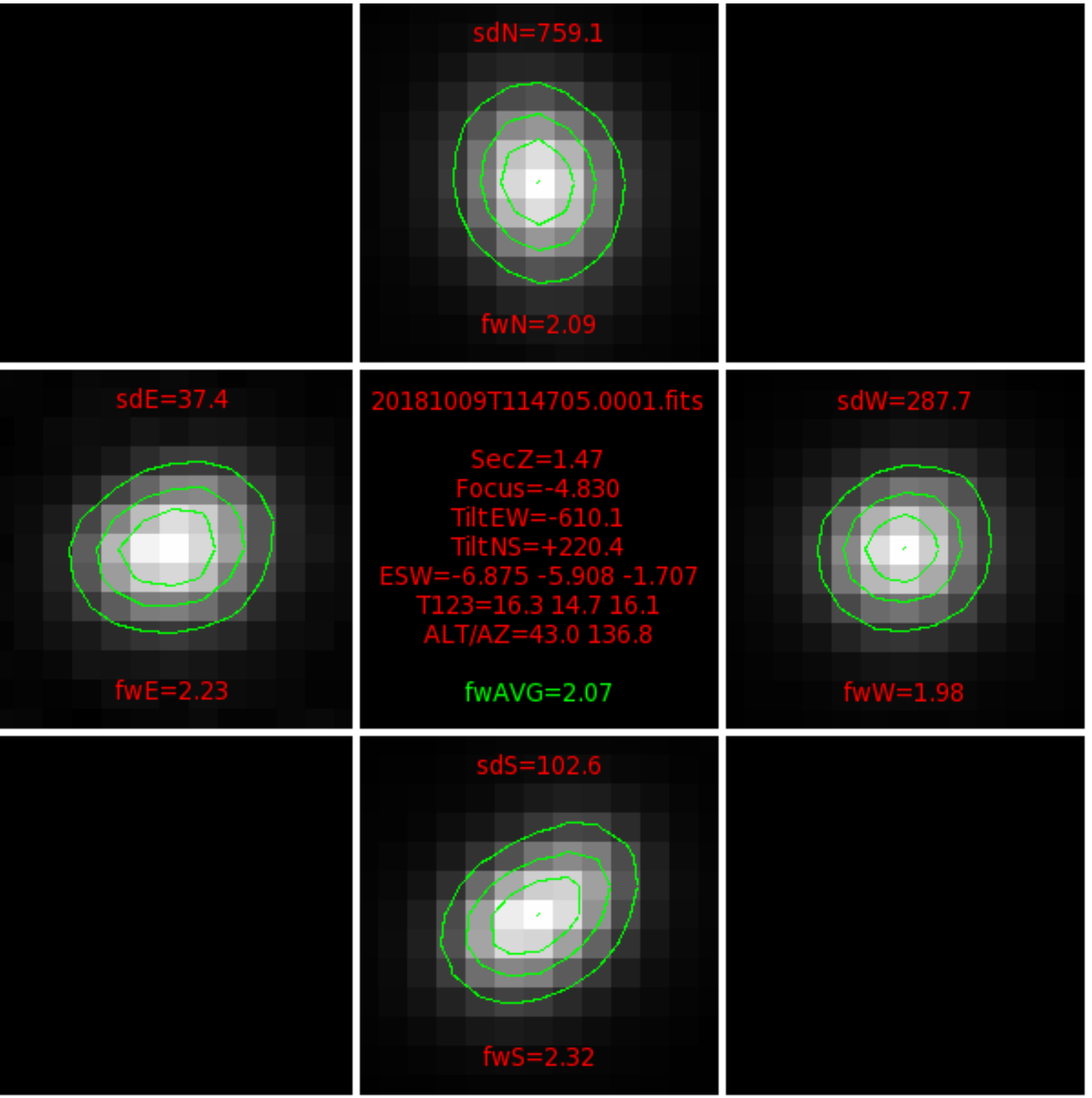
sdN=759.1
fwN=2.09
sdE=37.4
fwE=2.23
20181009T114705.0001.fits
SecZ=1.47
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=16.3 14.7 16.1
ALT/AZ=43.0 136.8
fwAVG=2.07
sdW=287.7
fwW=1.98
sdS=102.6
fwS=2.32
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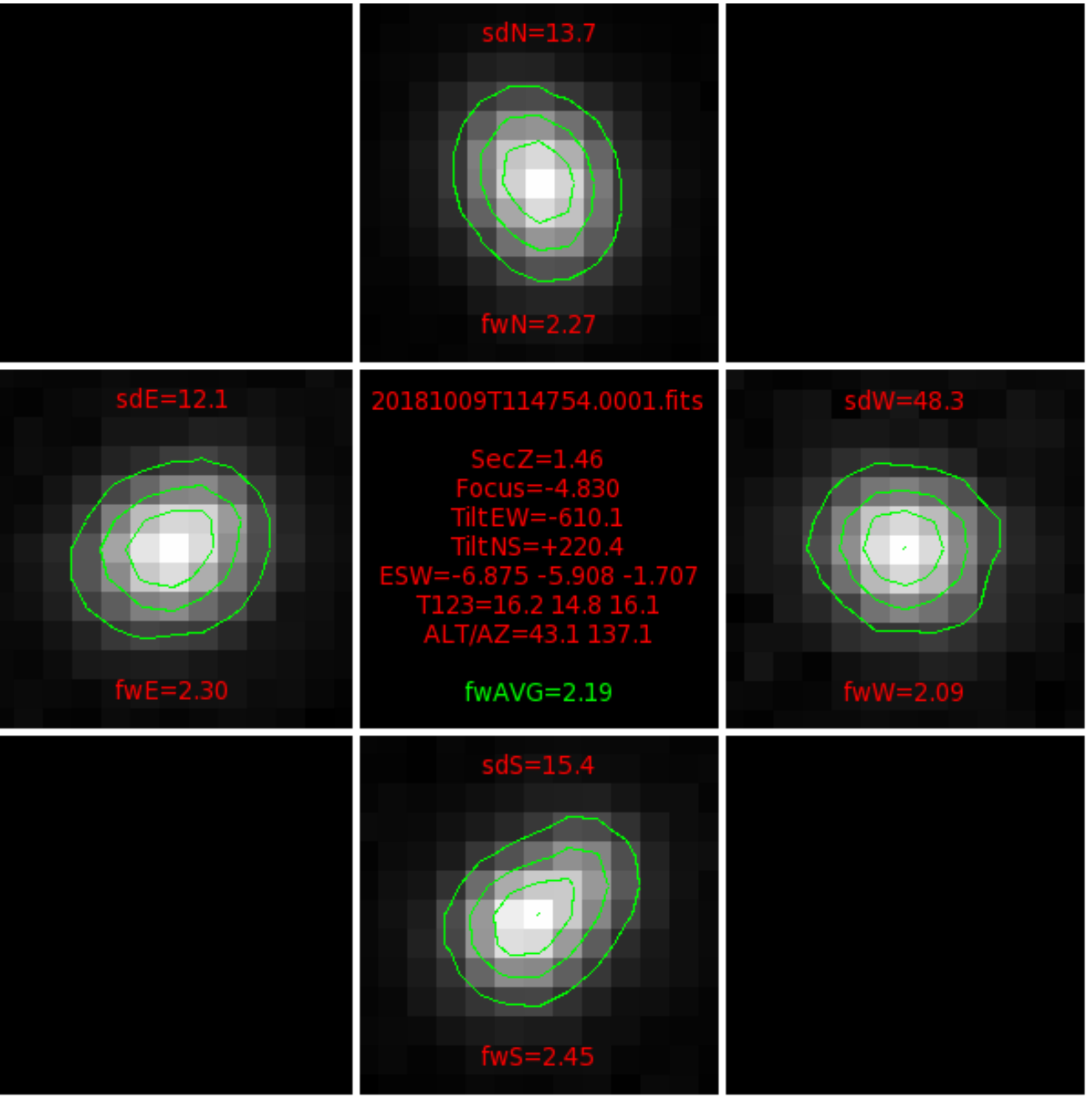
sdN=13.7
fwN=2.27
sdE=12.1
fwE=2.30
20181009T114754.0001.fits
SecZ=1.46
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=16.2 14.8 16.1
ALT/AZ=43.1 137.1
fwAVG=2.19
sdW=48.3
fwW=2.09
sdS=15.4
fwS=2.45
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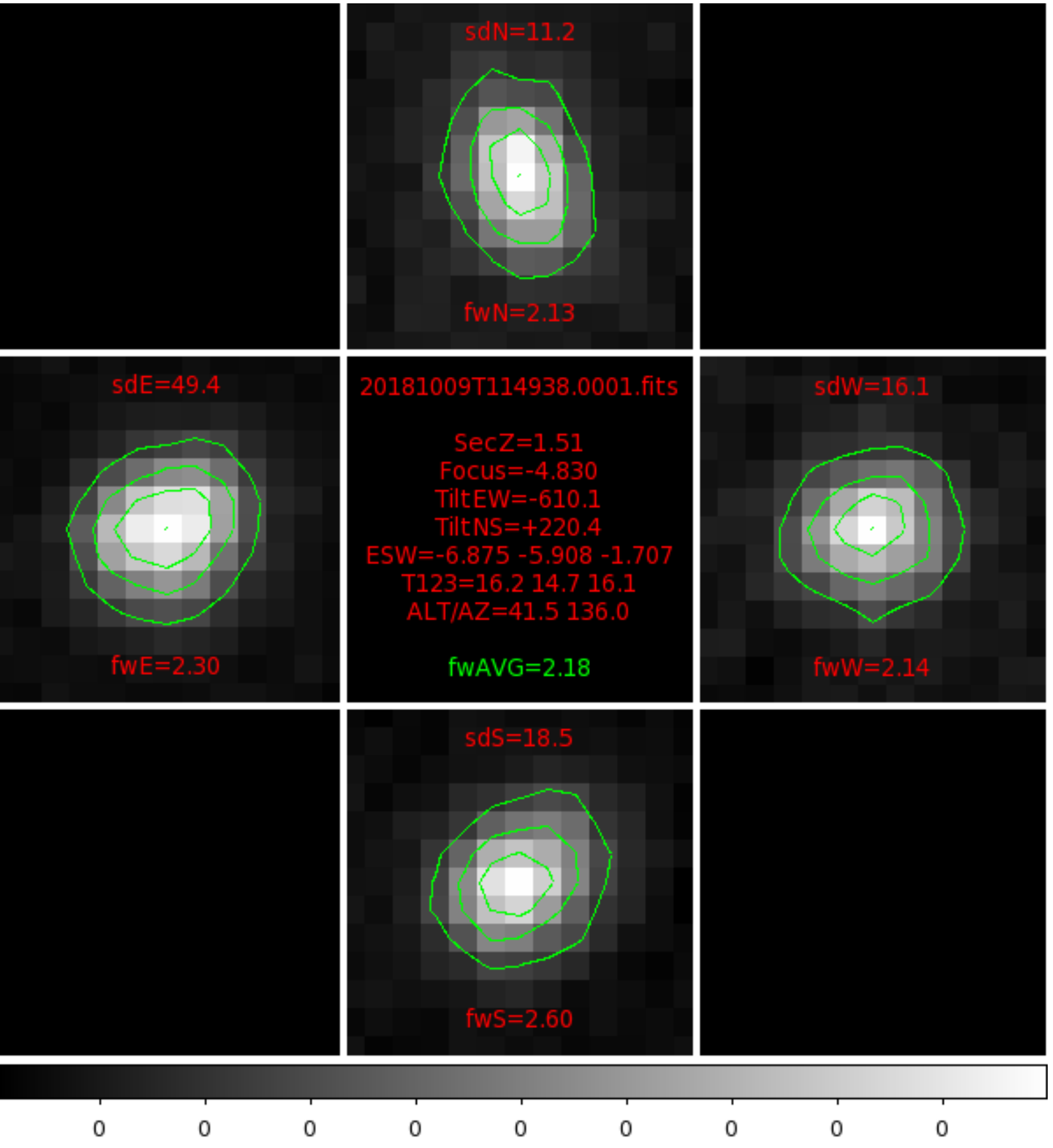
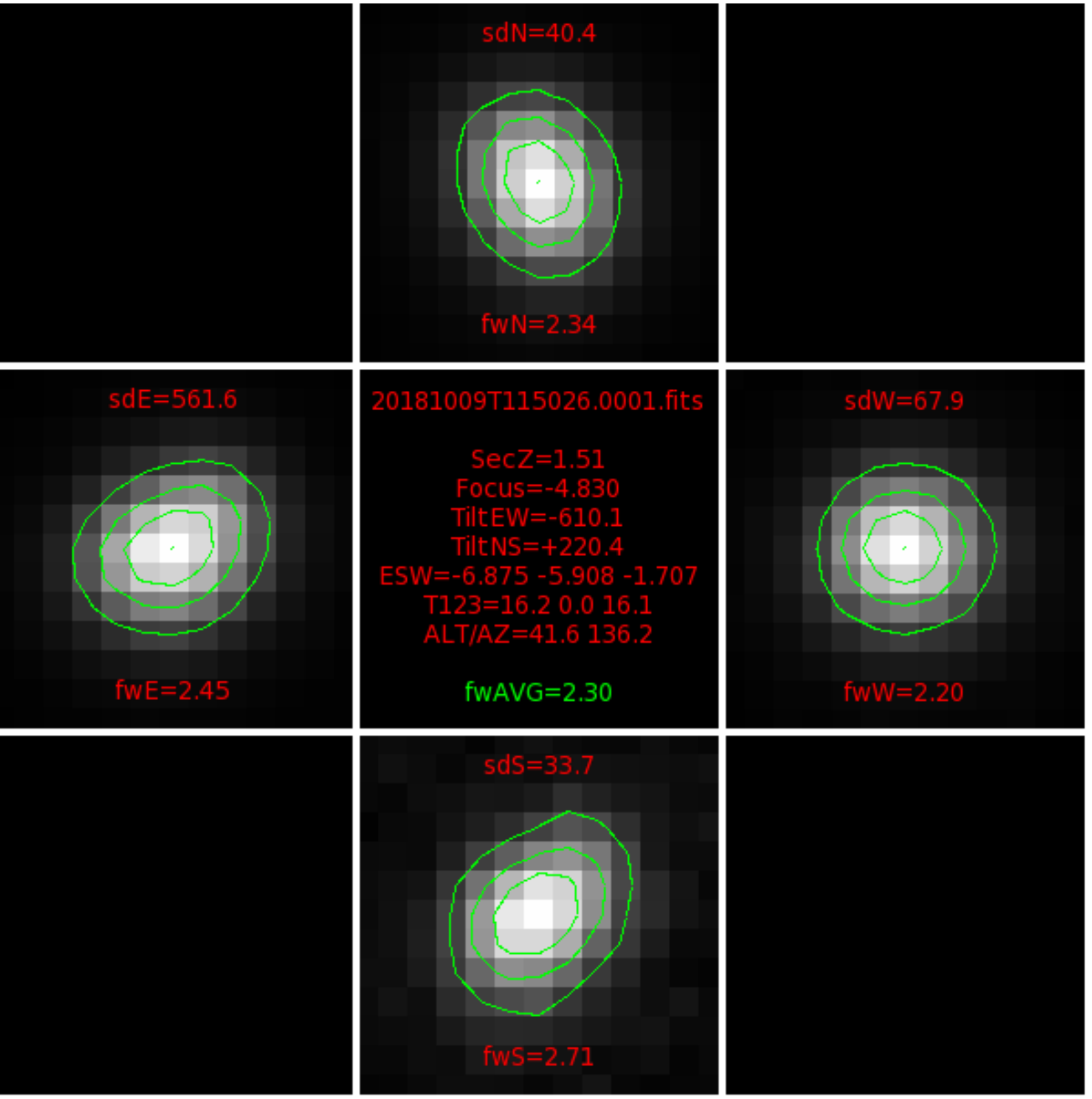

sdN=11.2
fwN=2.13
sdE=49.4
fwE=2.30
20181009T114938.0001.fits
SecZ=1.51
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=16.2 14.7 16.1
ALT/AZ=41.5 136.0
fwAVG=2.18
sdW=16.1
fwW=2.14
sdS=18.5
fwS=2.60
0 0 0 0 0 0 0 0 0


sdN=40.4
fwN=2.34
sdE=561.6
fwE=2.45
20181009T115026.0001.fits
SecZ=1.51
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=16.2 0.0 16.1
ALT/AZ=41.6 136.2
fwAVG=2.30
sdW=67.9
fwW=2.20
sdS=33.7
fwS=2.71
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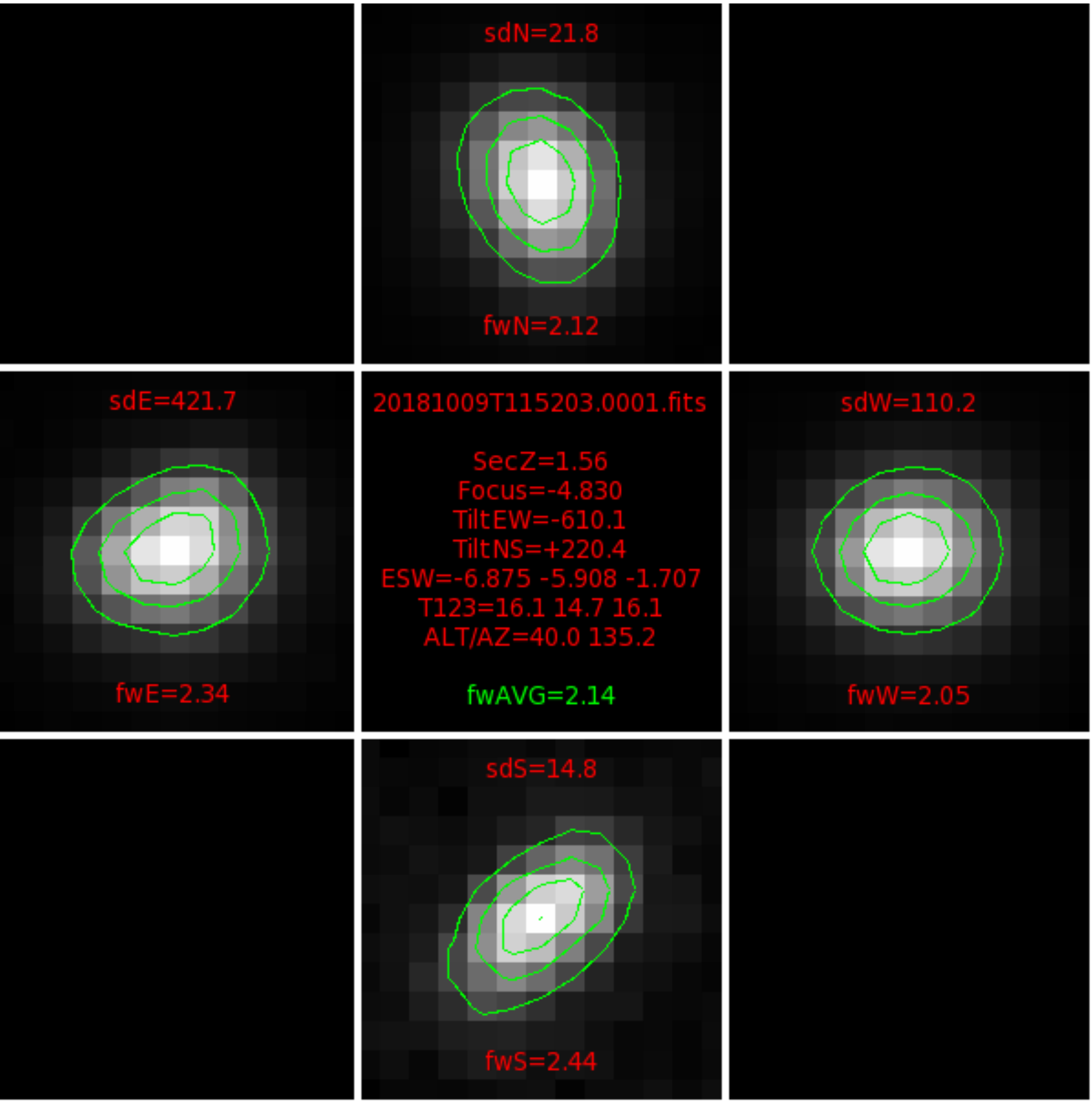
sdN=21.8
fwN=2.12
sdE=421.7
fwE=2.34
20181009T115203.0001.fits
SecZ=1.56
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=16.1 14.7 16.1
ALT/AZ=40.0 135.2
fwAVG=2.14
sdW=110.2
fwW=2.05
sdS=14.8
fwS=2.44
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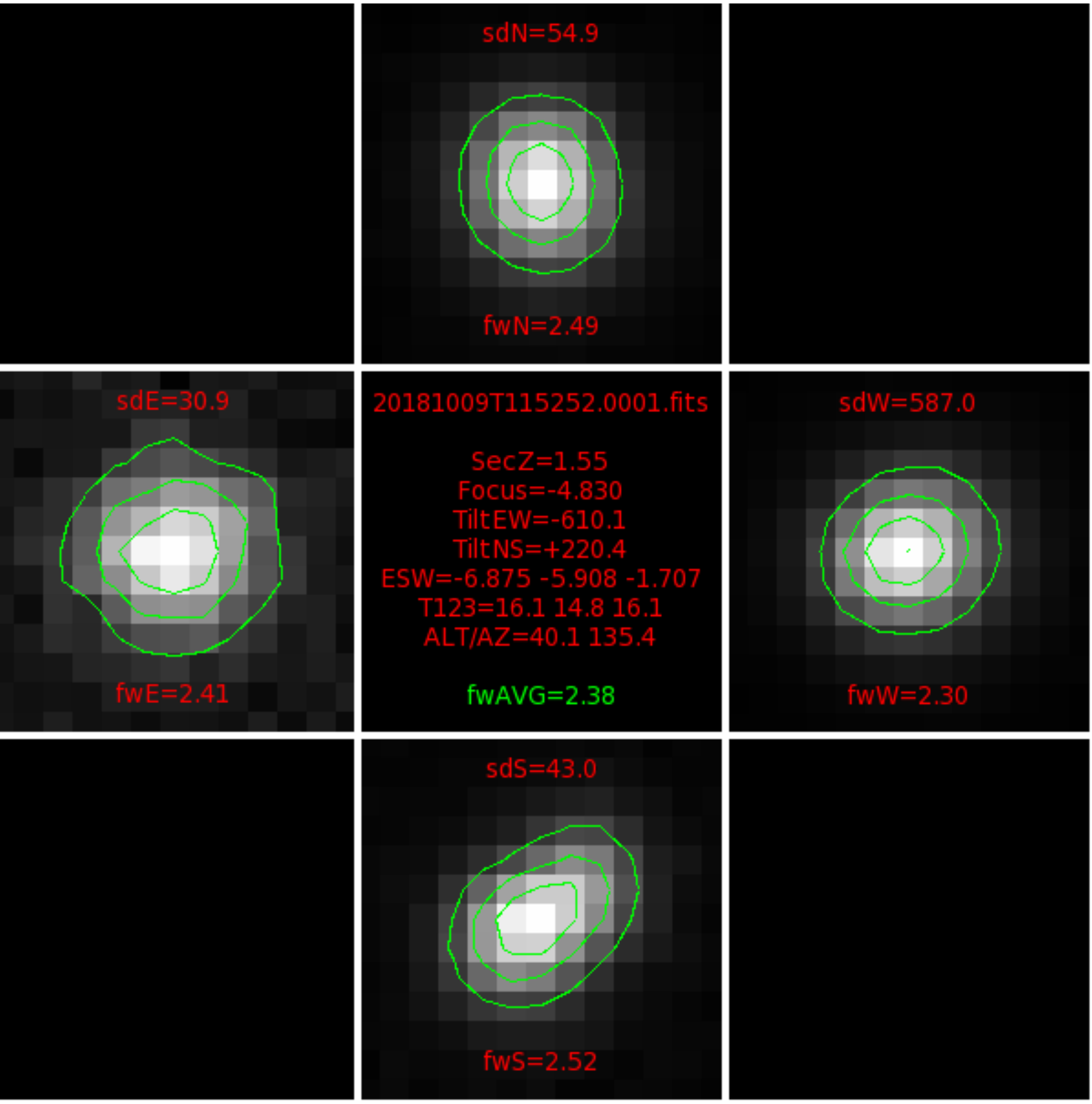
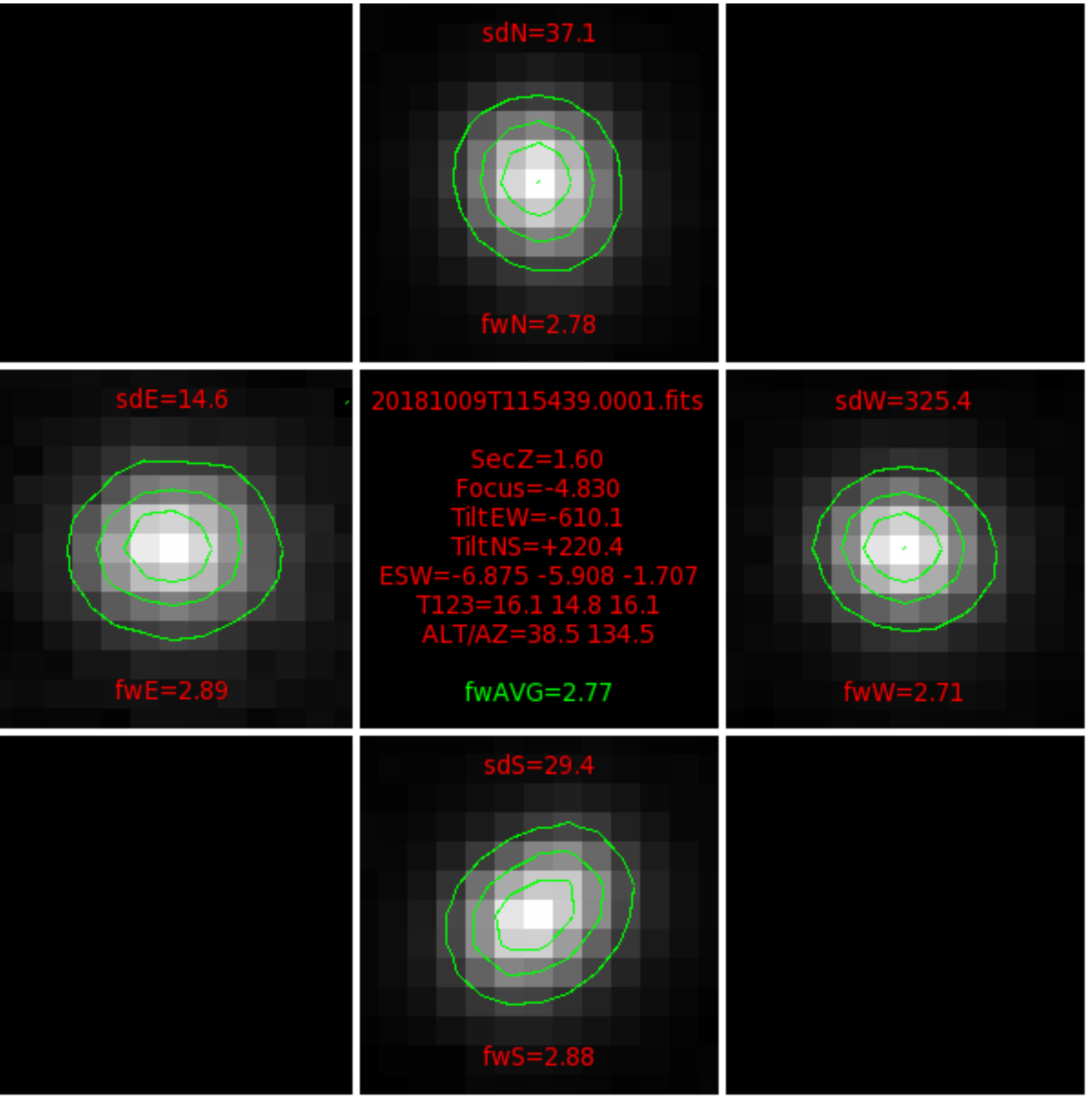

sdN=54.9
fwN=2.49
sdE=30.9
fwE=2.41
20181009T115252.0001.fits
SecZ=1.55
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=16.1 14.8 16.1
ALT/AZ=40.1 135.4
fwAVG=2.38
sdW=587.0
fwW=2.30
sdS=43.0
fwS=2.52
0 0 0 0 0 0 0 0 0


sdN=37.1
fwN=2.78
sdE=14.6
fwE=2.89
20181009T115439.0001.fits
SecZ=1.60
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=16.1 14.8 16.1
ALT/AZ=38.5 134.5
fwAVG=2.77
sdW=325.4
fwW=2.71
sdS=29.4
fwS=2.88
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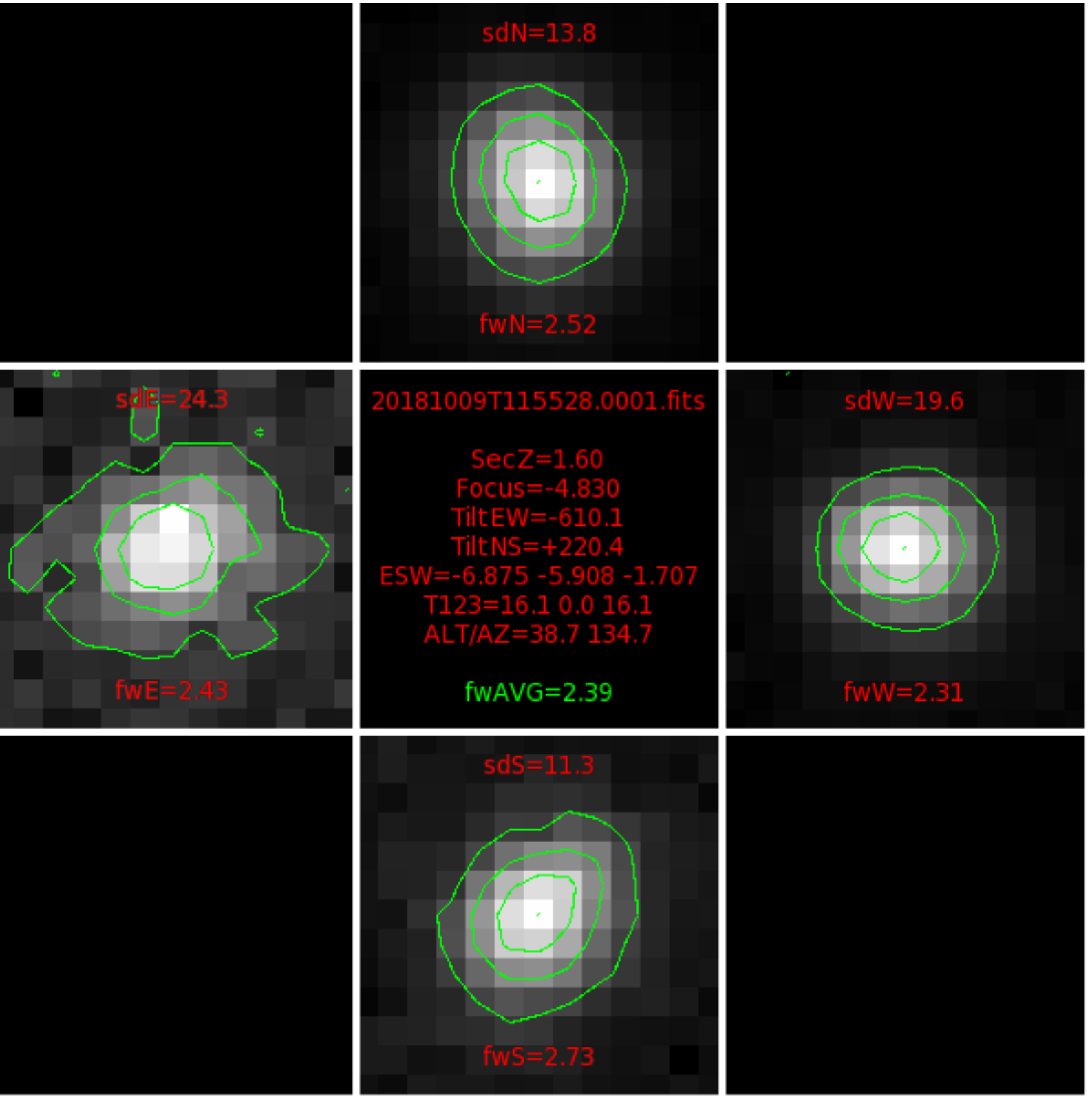
sdN=13.8
fwN=2.52
sdE=24.3
fwE=2.43
20181009T115528.0001.fits
SecZ=1.60
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=16.1 0.0 16.1
ALT/AZ=38.7 134.7
fwAVG=2.39
sdW=19.6
fwW=2.31
sdS=11.3
fwS=2.73
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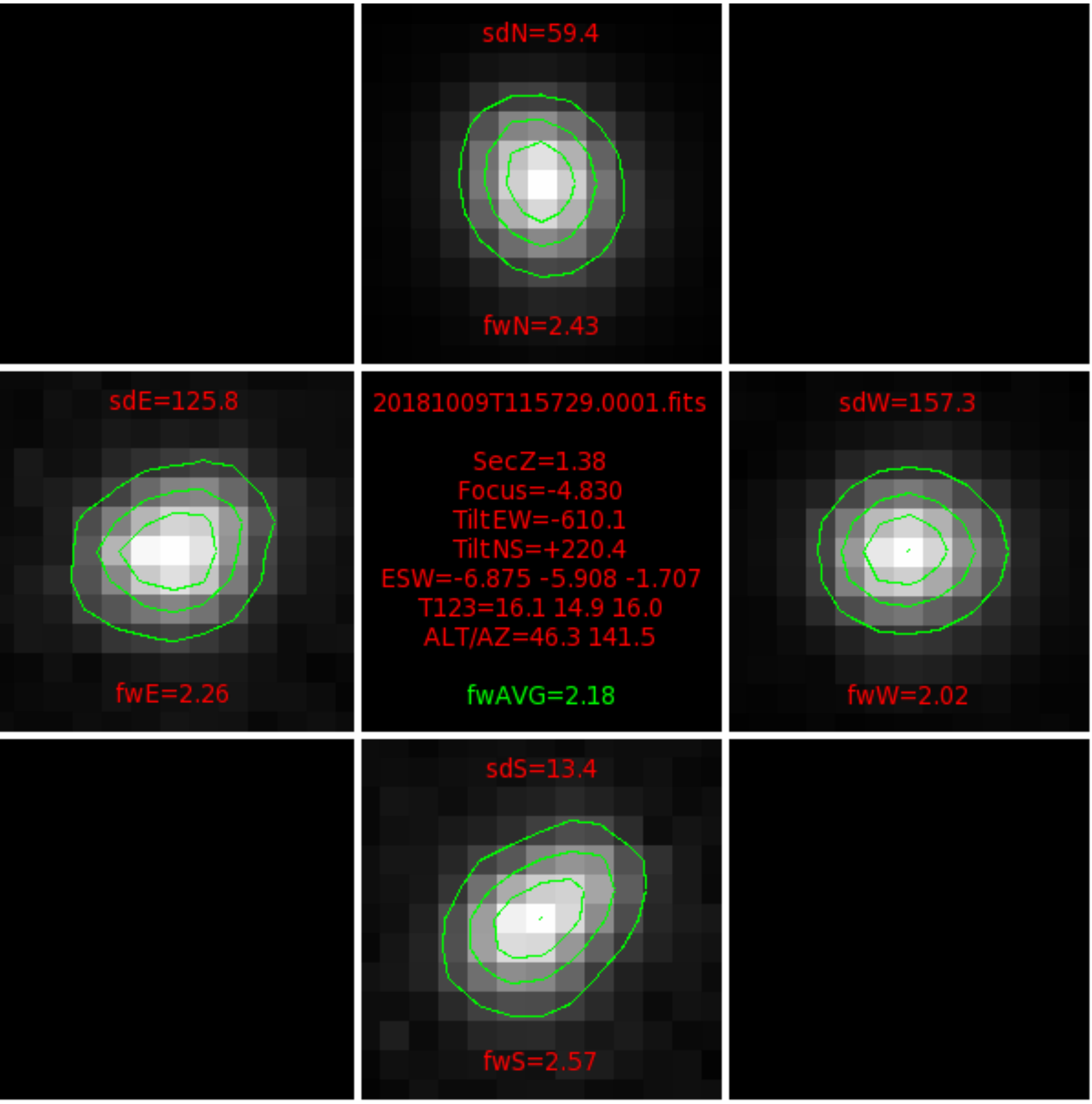
sdN=59.4
fwN=2.43
sdE=125.8
fwE=2.26
20181009T115729.0001.fits
SecZ=1.38
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=16.1 14.9 16.0
ALT/AZ=46.3 141.5
fwAVG=2.18
sdW=157.3
fwW=2.02
sdS=13.4
fwS=2.57
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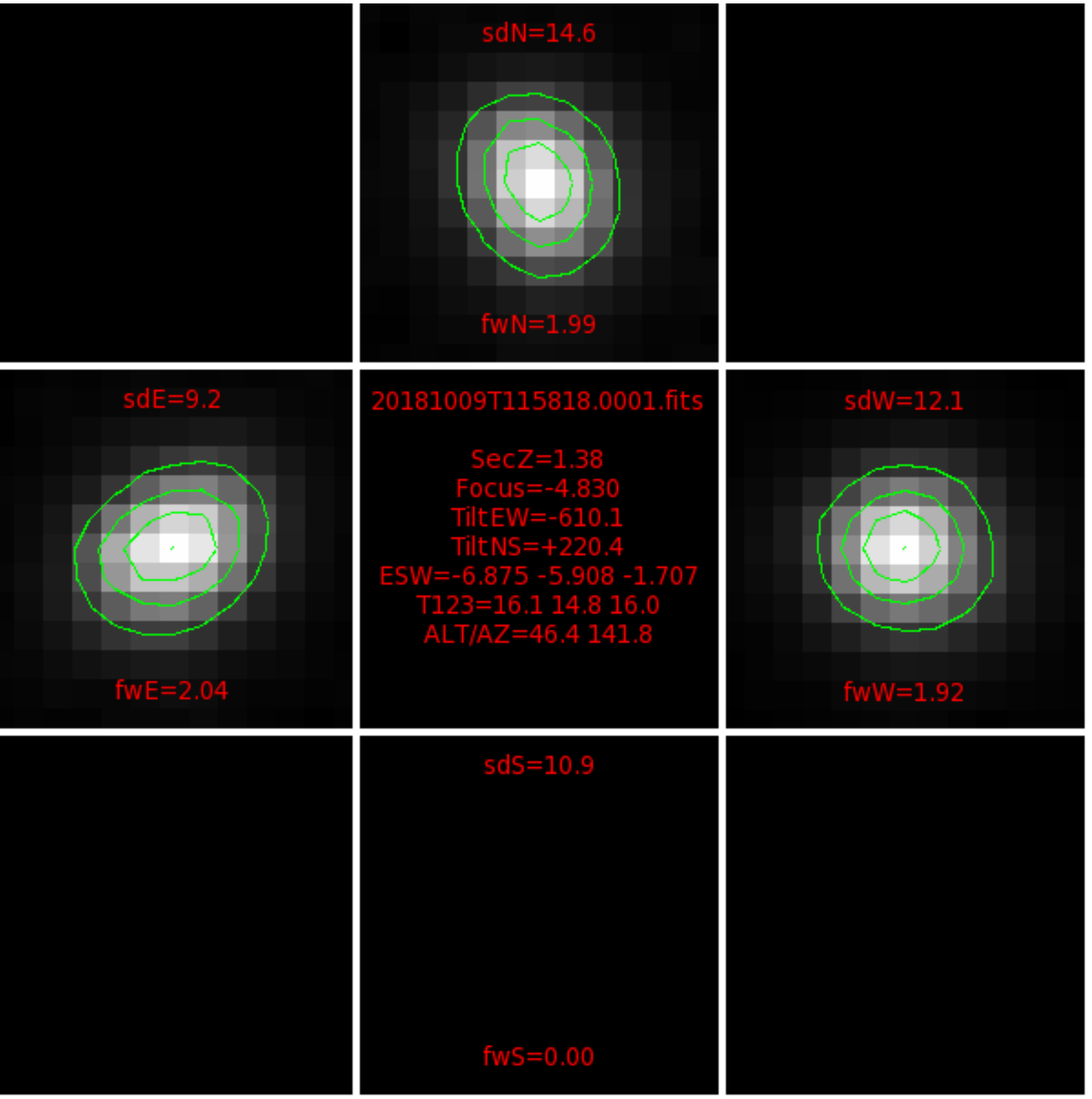
sdN=14.6
fwN=1.99
sdE=9.2
fwE=2.04
20181009T115818.0001.fits
SecZ=1.38
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=16.1 14.8 16.0
ALT/AZ=46.4 141.8
sdW=12.1
fwW=1.92
sdS=10.9
fwS=0.00
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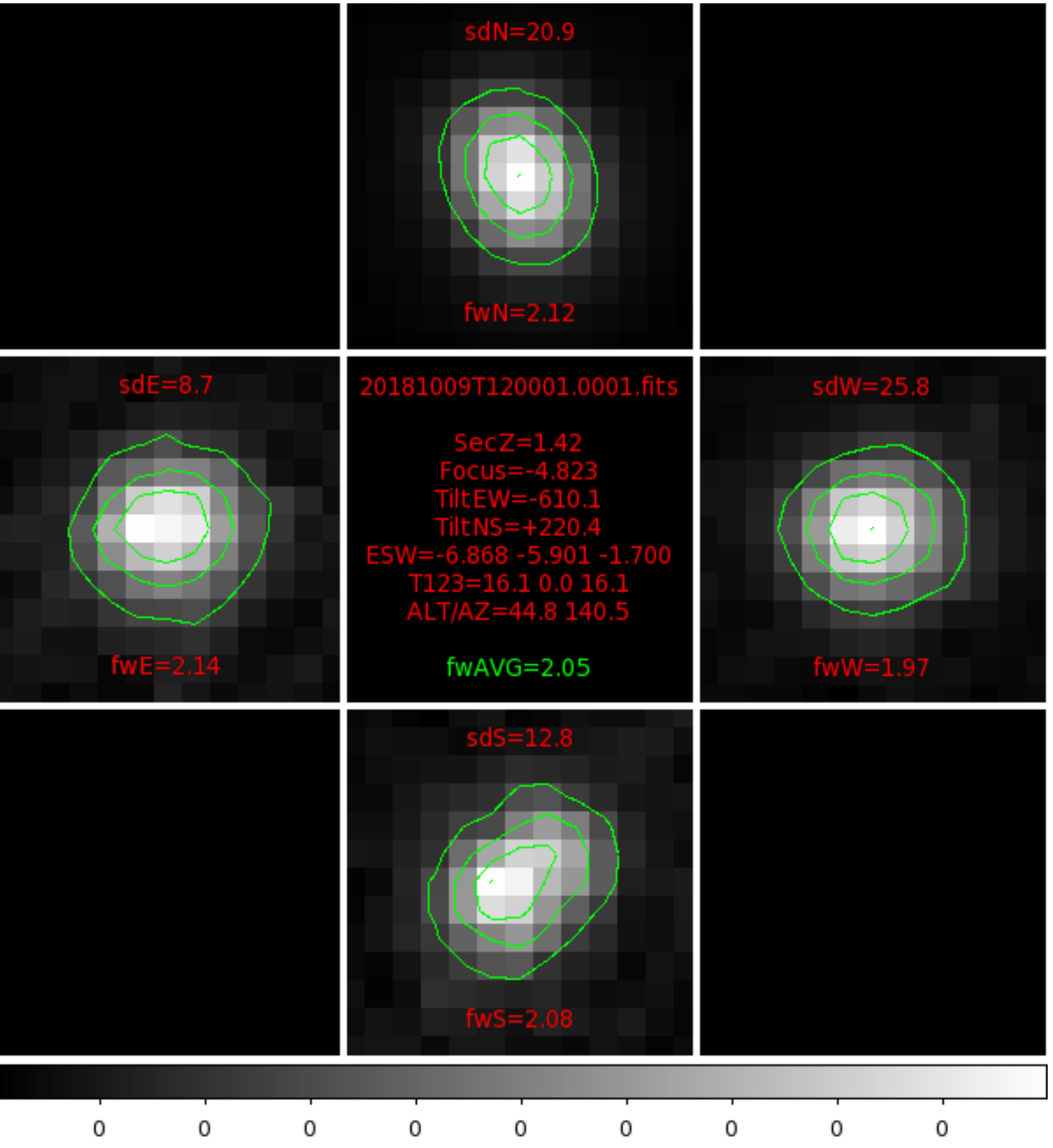
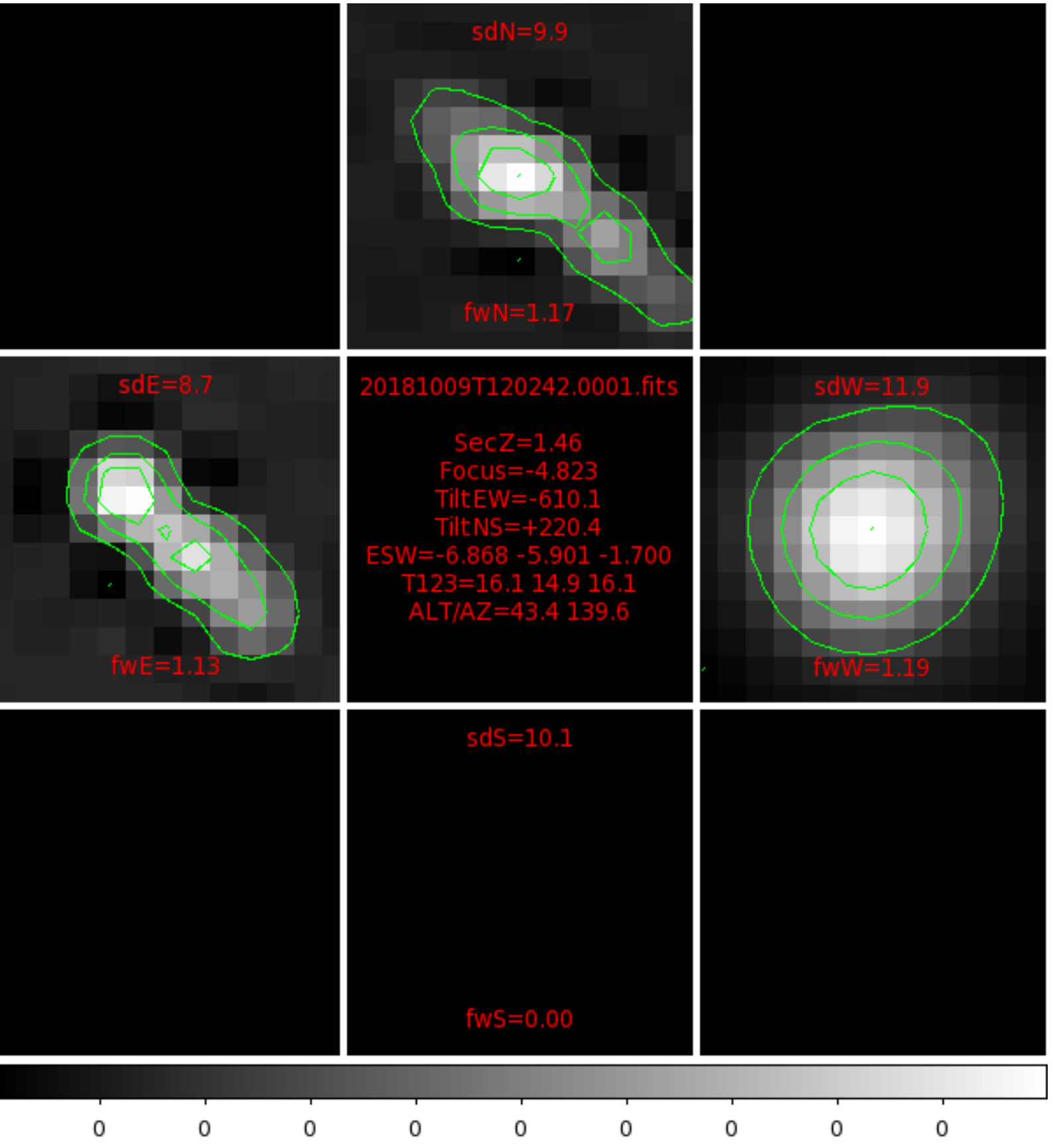
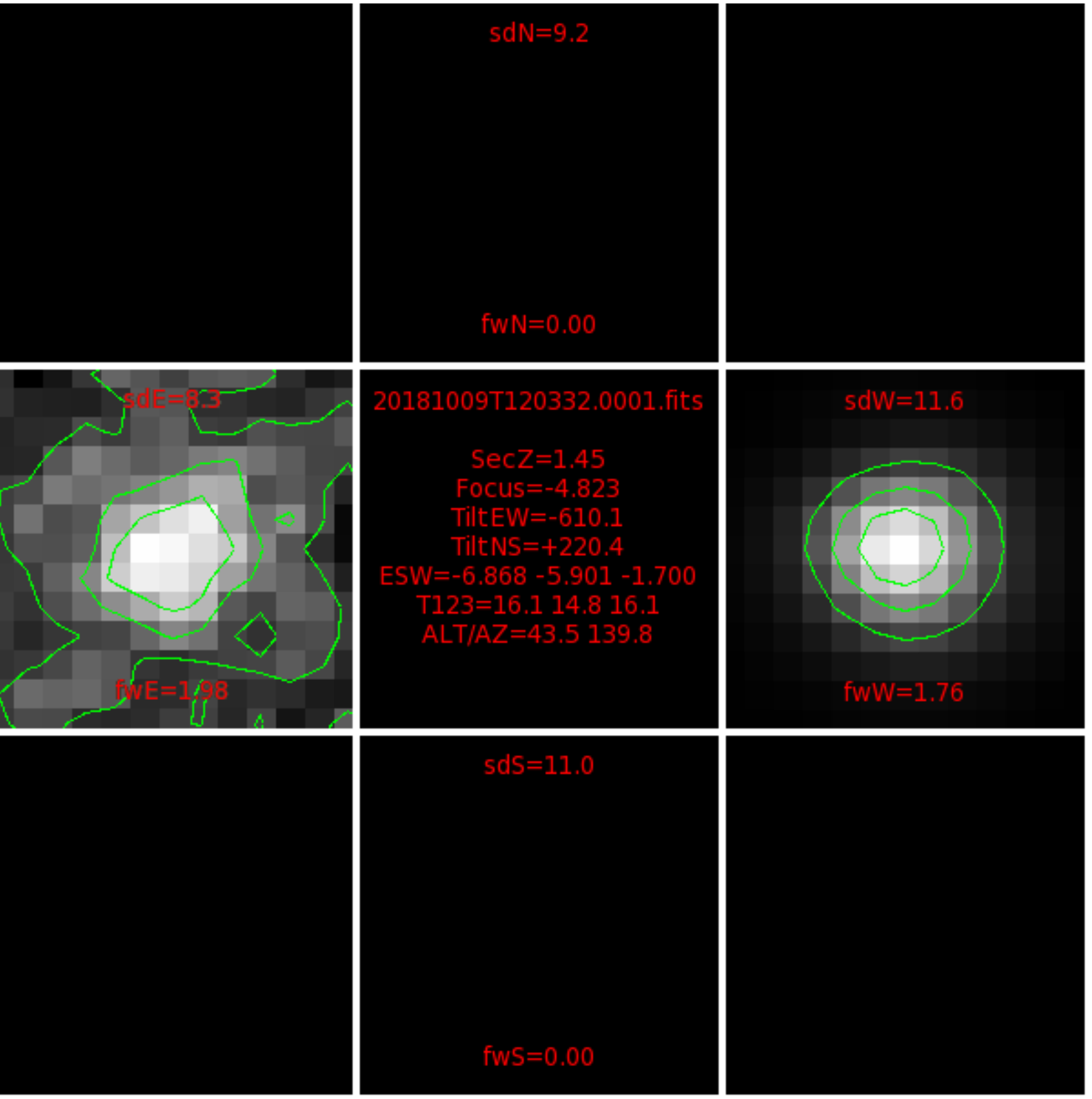

sdN=20.9
fwN=2.12
sdE=8.7
fwE=2.14
20181009T120001.0001.fits
SecZ=1.42
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=16.1 0.0 16.1
ALT/AZ=44.8 140.5
fwAVG=2.05
sdW=25.8
fwW=1.97
sdS=12.8
fwS=2.08
0 0 0 0 0 0 0 0 0

sdN=10.2
fwN=0.00
sdE=9.3
fwE=0.00
20181009T120050.0001.fits
SecZ=1.42
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=16.1 14.8 16.0
ALT/AZ=44.9 140.7
sdW=12.3
fwW=0.00
sdS=11.4
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=9.9
fwN=1.17
sdE=8.7
fwE=1.13
20181009T120242.0001.fits
SecZ=1.46
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=16.1 14.9 16.1
ALT/AZ=43.4 139.6
sdW=11.9
fwW=1.19
sdS=10.1
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=9.2
fwN=0.00
sdE=8.3
fwE=1.98
20181009T120332.0001.fits
SecZ=1.45
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=16.1 14.8 16.1
ALT/AZ=43.5 139.8
sdW=11.6
fwW=1.76
sdS=11.0
fwS=0.00
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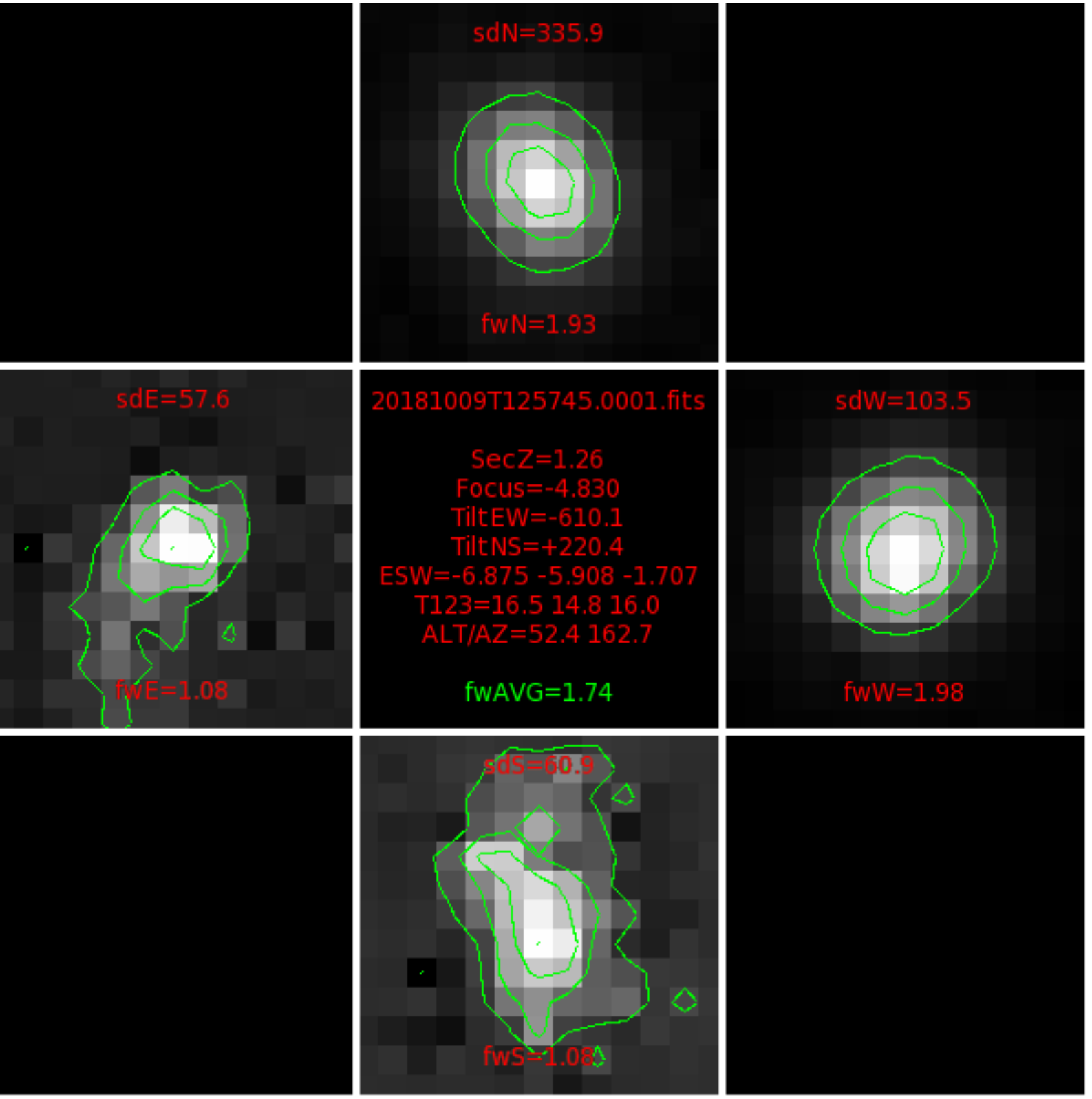
sdN=335.9
fwN=1.93
sdE=57.6
fwE=1.08
20181009T125745.0001.fits
SecZ=1.26
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=16.5 14.8 16.0
ALT/AZ=52.4 162.7
fwAVG=1.74
sdW=103.5
fwW=1.98
sdS=60.9
fwS=1.08
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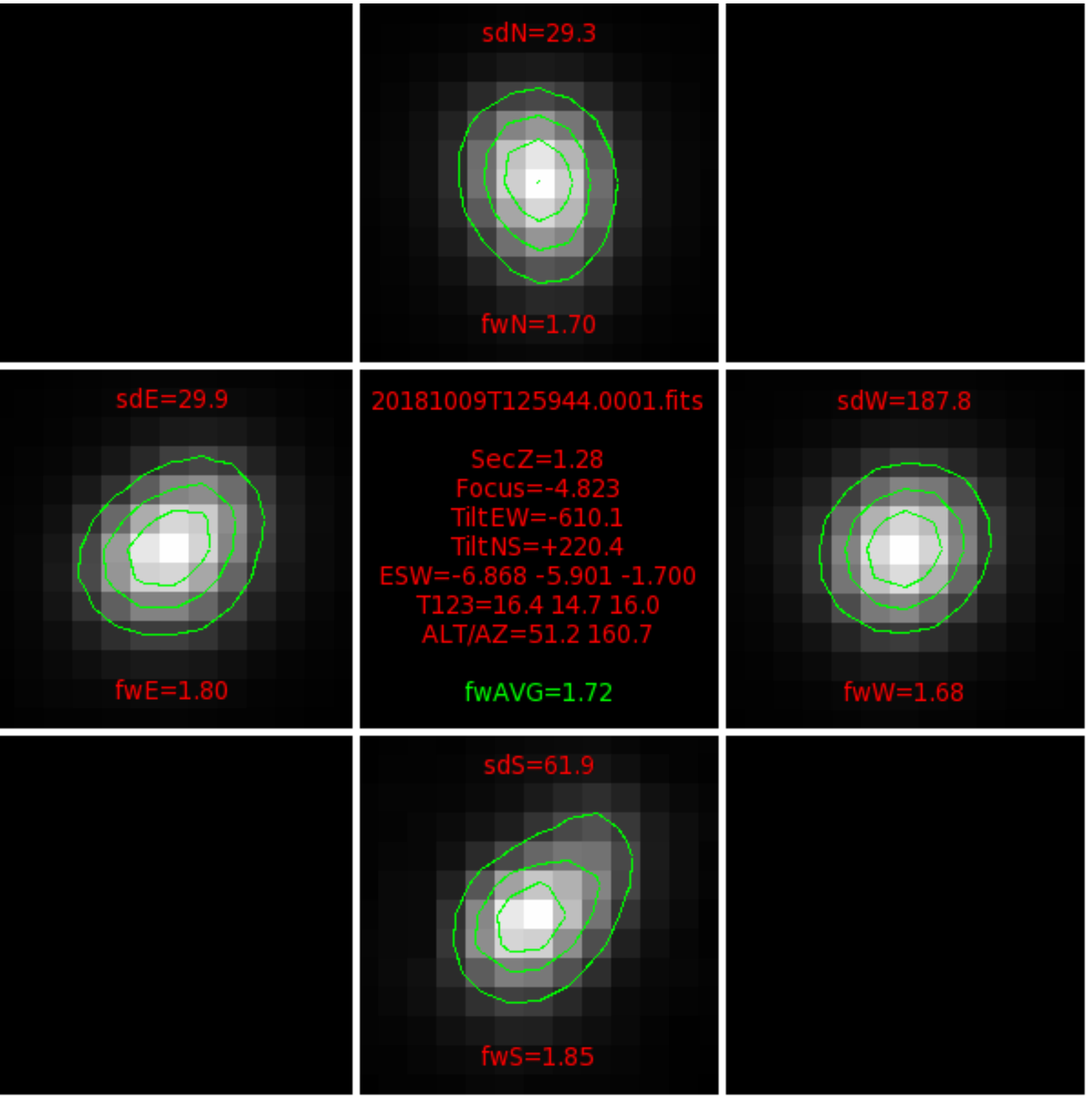
sdN=29.3
fwN=1.70
sdE=29.9
fwE=1.80
20181009T125944.0001.fits
SecZ=1.28
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=16.4 14.7 16.0
ALT/AZ=51.2 160.7
fwAVG=1.72
sdW=187.8
fwW=1.68
sdS=61.9
fwS=1.85
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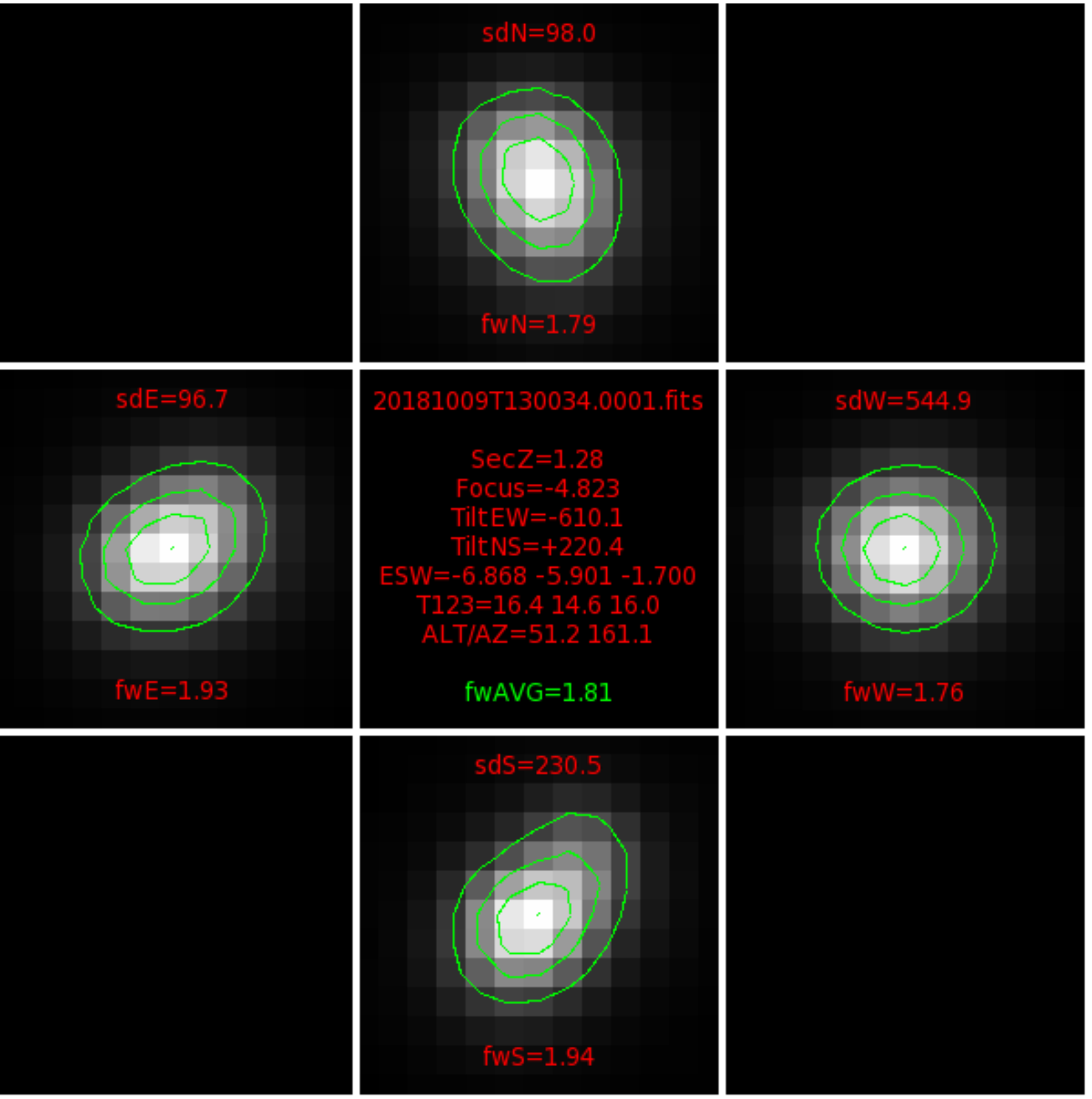
sdN=98.0
fwN=1.79
sdE=96.7
fwE=1.93
20181009T130034.0001.fits
SecZ=1.28
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=16.4 14.6 16.0
ALT/AZ=51.2 161.1
fwAVG=1.81
sdW=544.9
fwW=1.76
sdS=230.5
fwS=1.94
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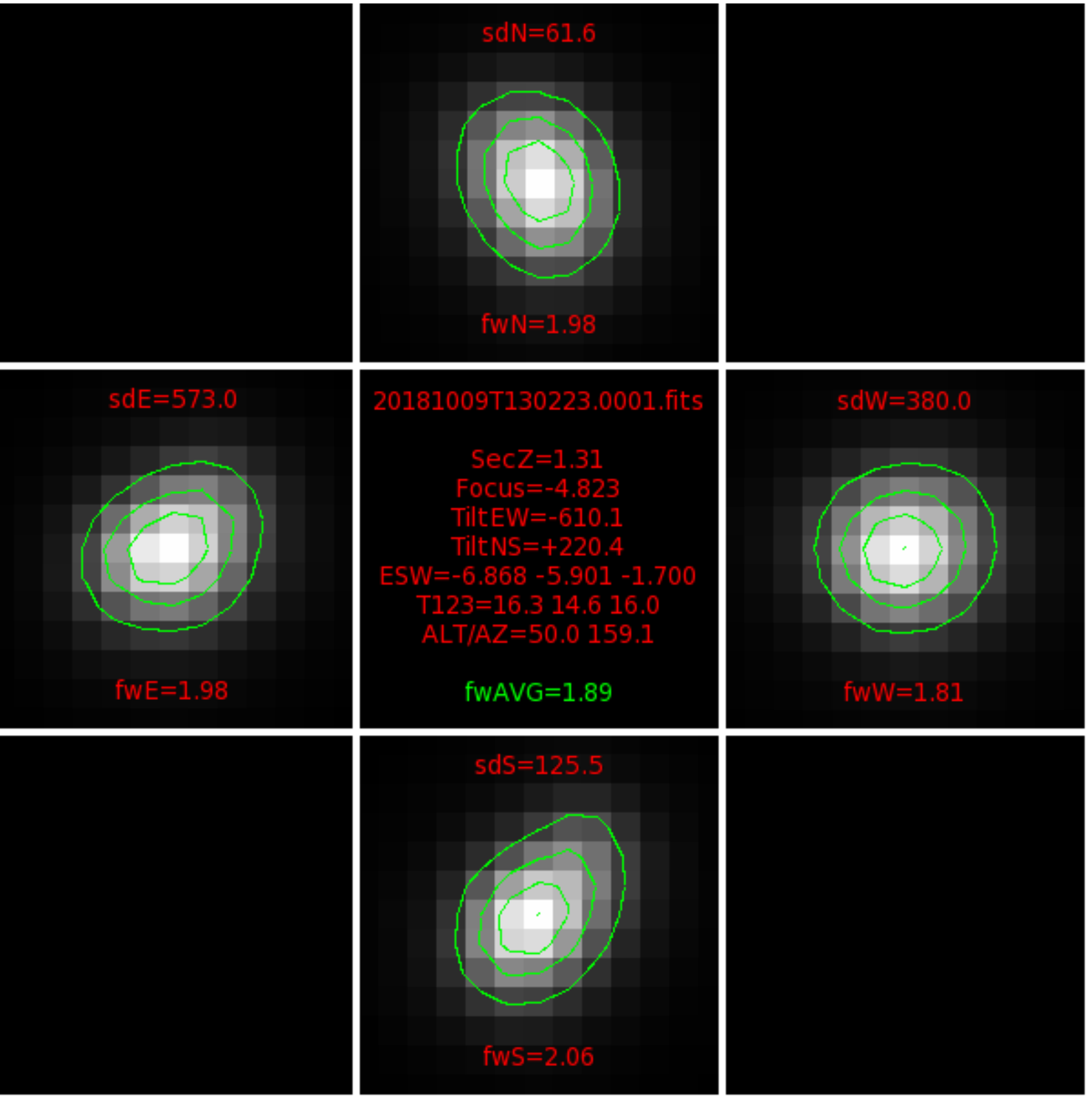
sdN=61.6
fwN=1.98
sdE=573.0
fwE=1.98
20181009T130223.0001.fits
SecZ=1.31
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=16.3 14.6 16.0
ALT/AZ=50.0 159.1
fwAVG=1.89
sdW=380.0
fwW=1.81
sdS=125.5
fwS=2.06
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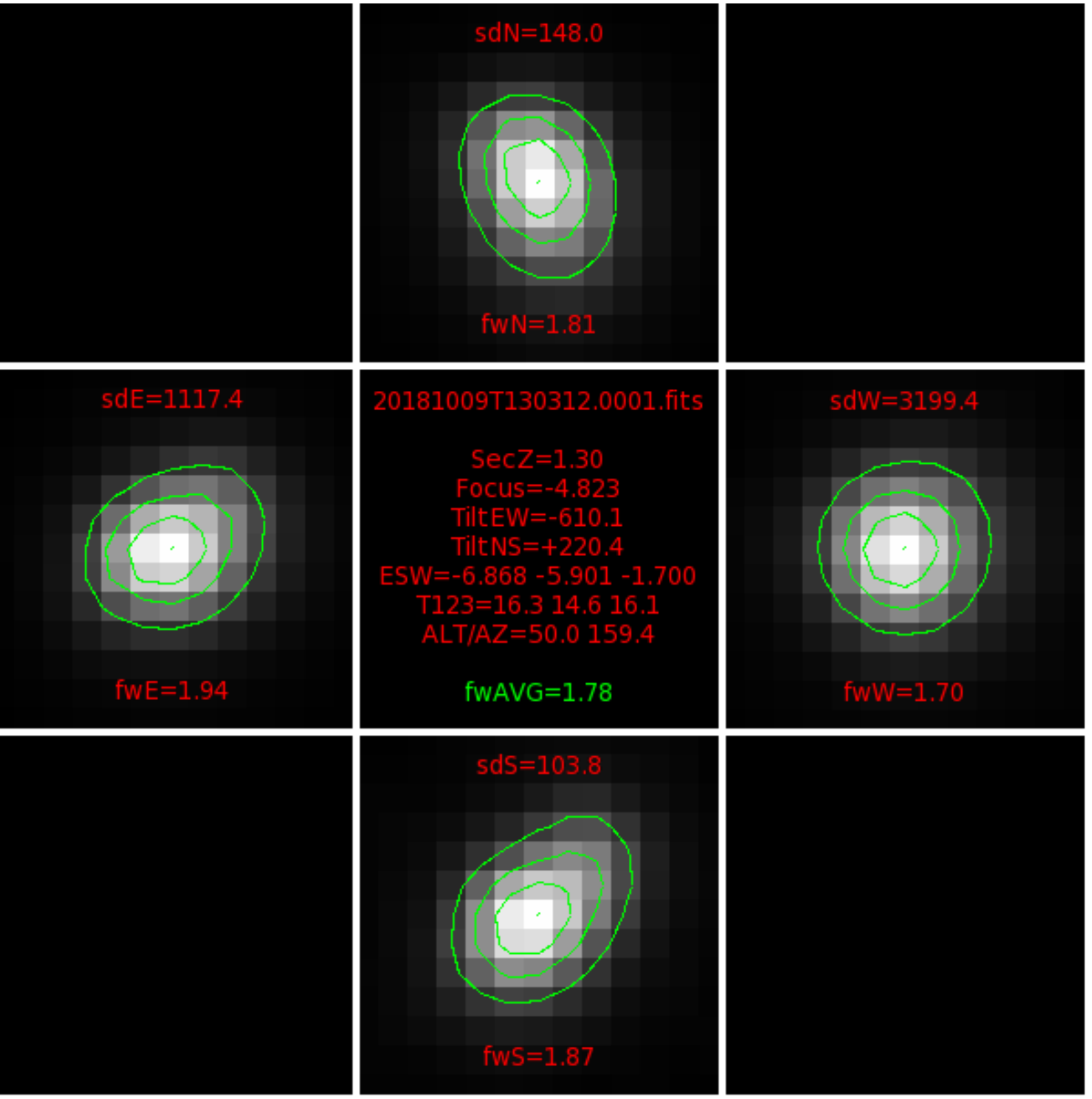
sdN=148.0
fwN=1.81
sdE=1117.4
fwE=1.94
20181009T130312.0001.fits
SecZ=1.30
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=16.3 14.6 16.1
ALT/AZ=50.0 159.4
fwAVG=1.78
sdW=3199.4
fwW=1.70
sdS=103.8
fwS=1.87
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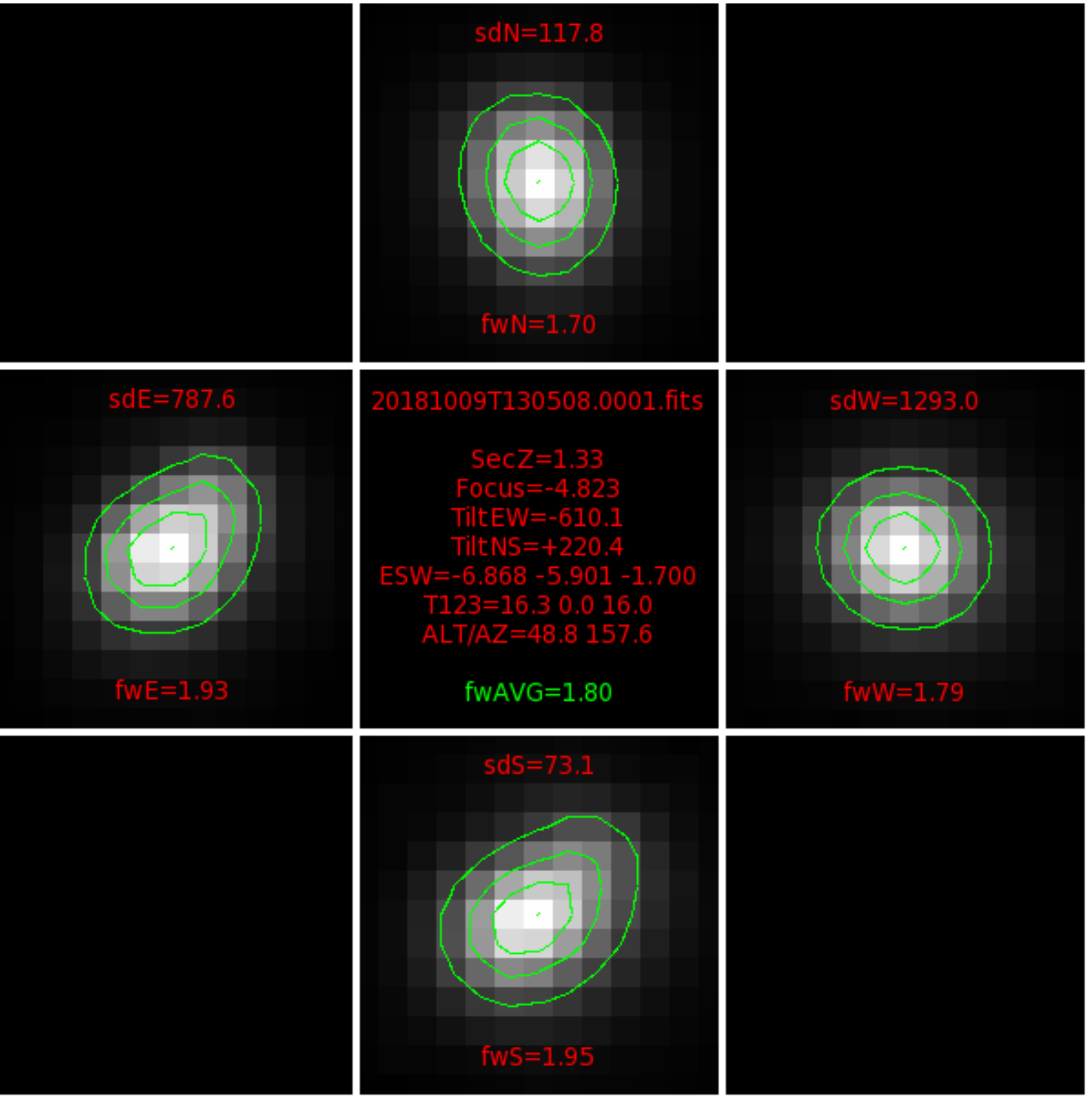
sdN=117.8
fwN=1.70
sdE=787.6
fwE=1.93
20181009T130508.0001.fits
SecZ=1.33
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=16.3 0.0 16.0
ALT/AZ=48.8 157.6
fwAVG=1.80
sdW=1293.0
fwW=1.79
sdS=73.1
fwS=1.95
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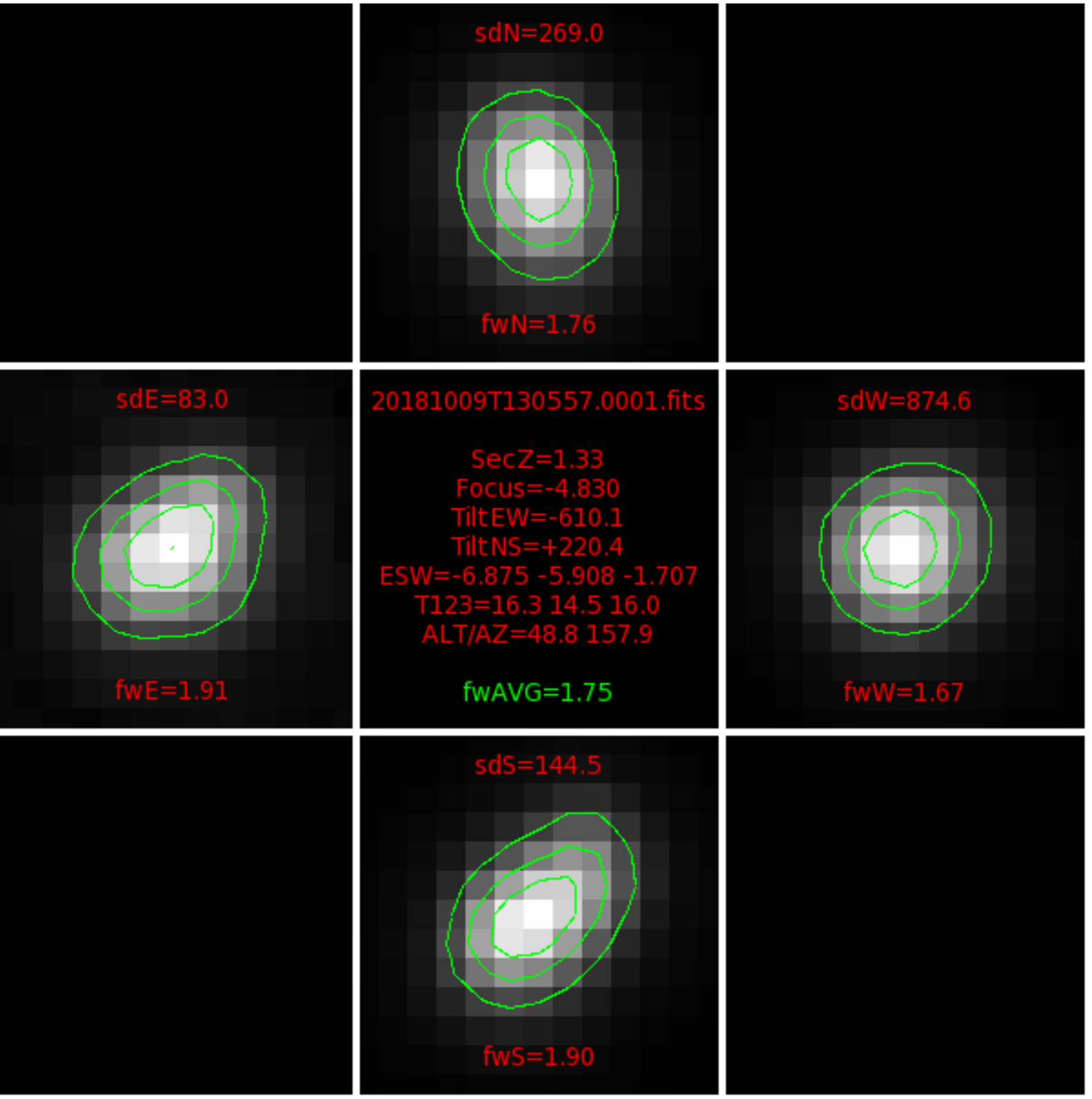
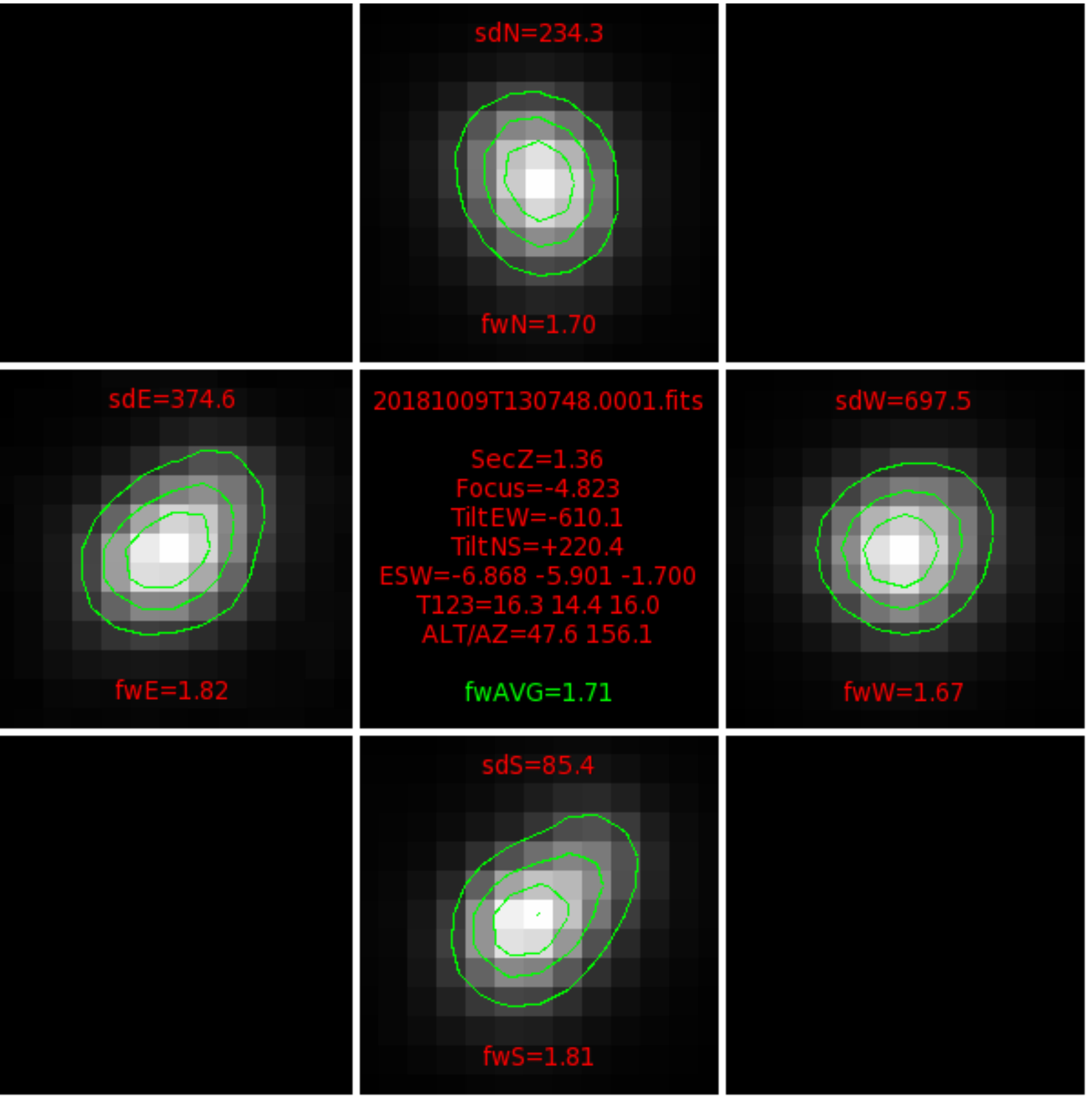

sdN=269.0
fwN=1.76
sdE=83.0
fwE=1.91
20181009T130557.0001.fits
SecZ=1.33
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=16.3 14.5 16.0
ALT/AZ=48.8 157.9
fwAVG=1.75
sdW=874.6
fwW=1.67
sdS=144.5
fwS=1.90
0 0 0 0 0 0 0 0 0


sdN=234.3
fwN=1.70
sdE=374.6
fwE=1.82
20181009T130748.0001.fits
SecZ=1.36
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=16.3 14.4 16.0
ALT/AZ=47.6 156.1
fwAVG=1.71
sdW=697.5
fwW=1.67
sdS=85.4
fwS=1.81
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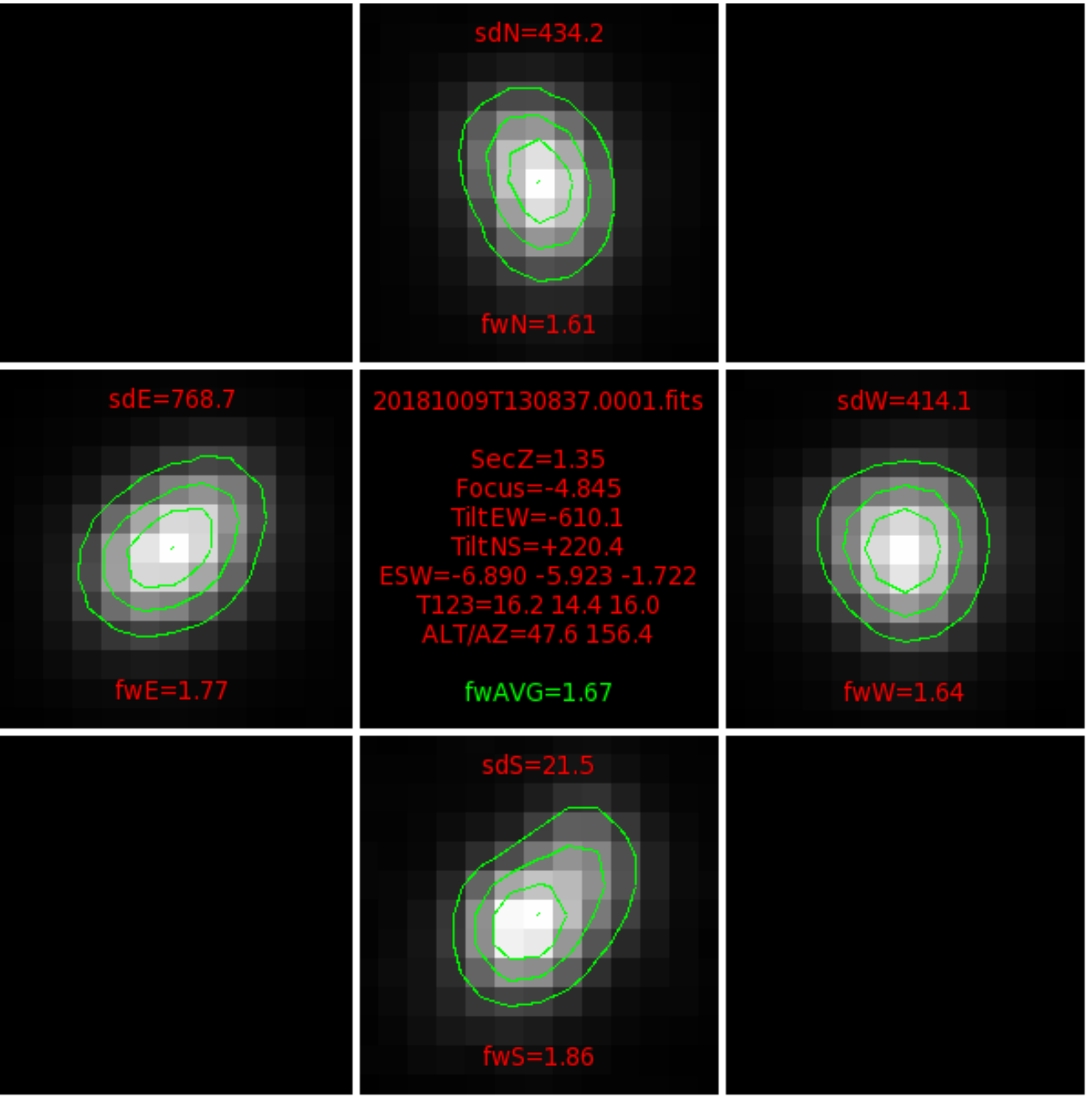
sdN=434.2
fwN=1.61
sdE=768.7
fwE=1.77
20181009T130837.0001.fits
SecZ=1.35
Focus=-4.845
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.890 -5.923 -1.722
T123=16.2 14.4 16.0
ALT/AZ=47.6 156.4
fwAVG=1.67
sdW=414.1
fwW=1.64
sdS=21.5
fwS=1.86
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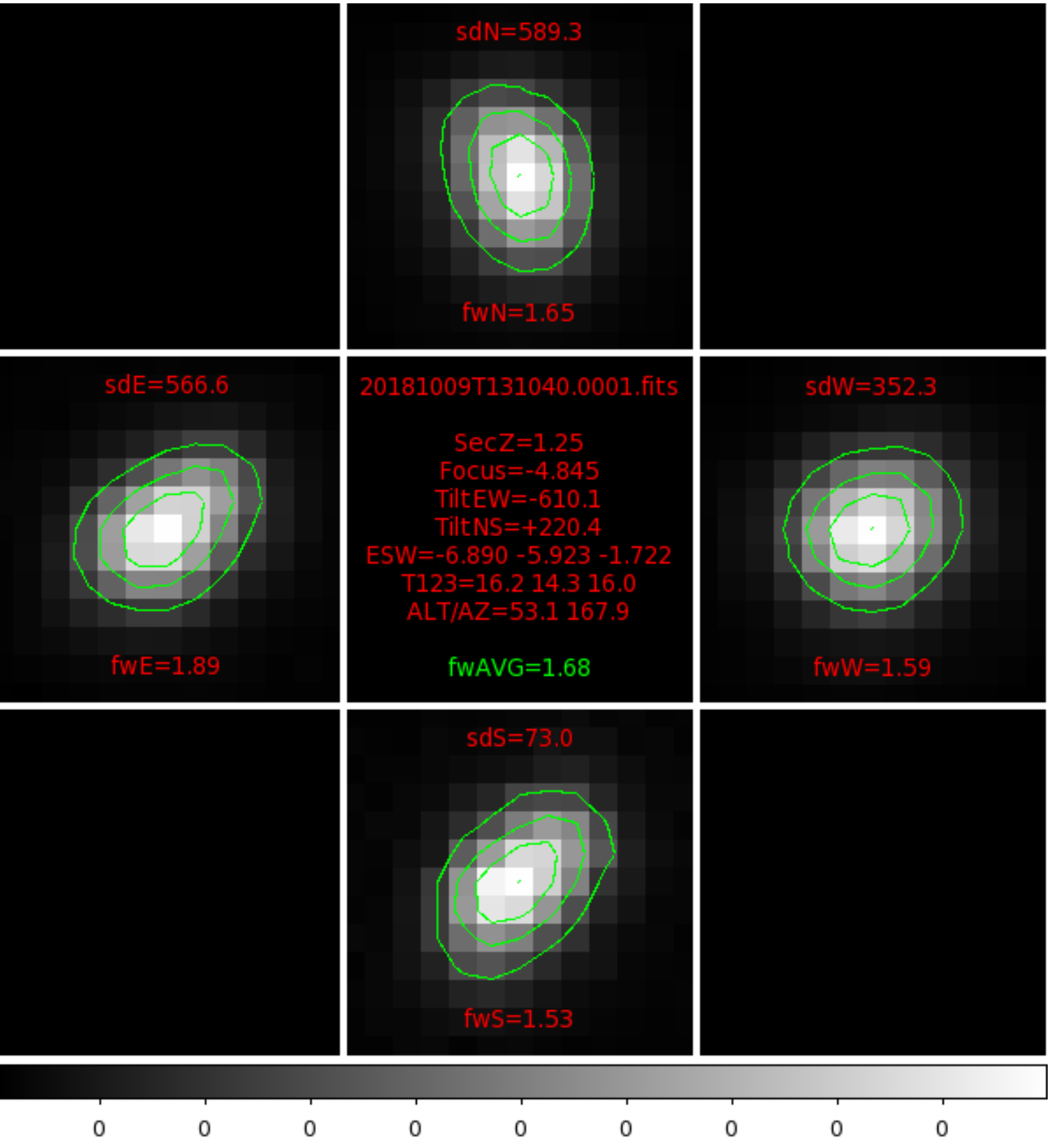
sdN=589.3
fwN=1.65
sdE=566.6
fwE=1.89
20181009T131040.0001.fits
SecZ=1.25
Focus=-4.845
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.890 -5.923 -1.722
T123=16.2 14.3 16.0
ALT/AZ=53.1 167.9
fwAVG=1.68
sdW=352.3
fwW=1.59
sdS=73.0
fwS=1.53
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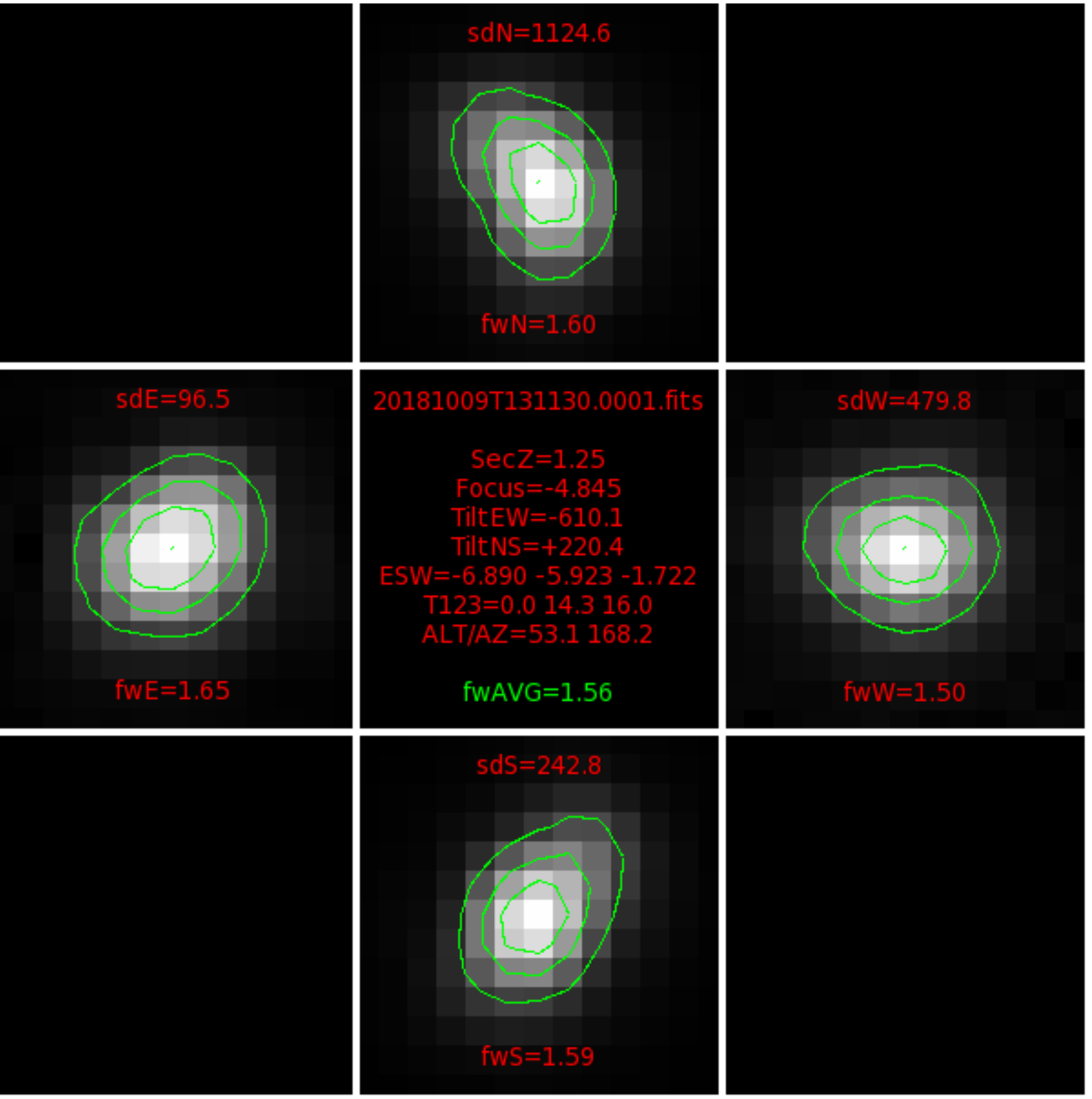
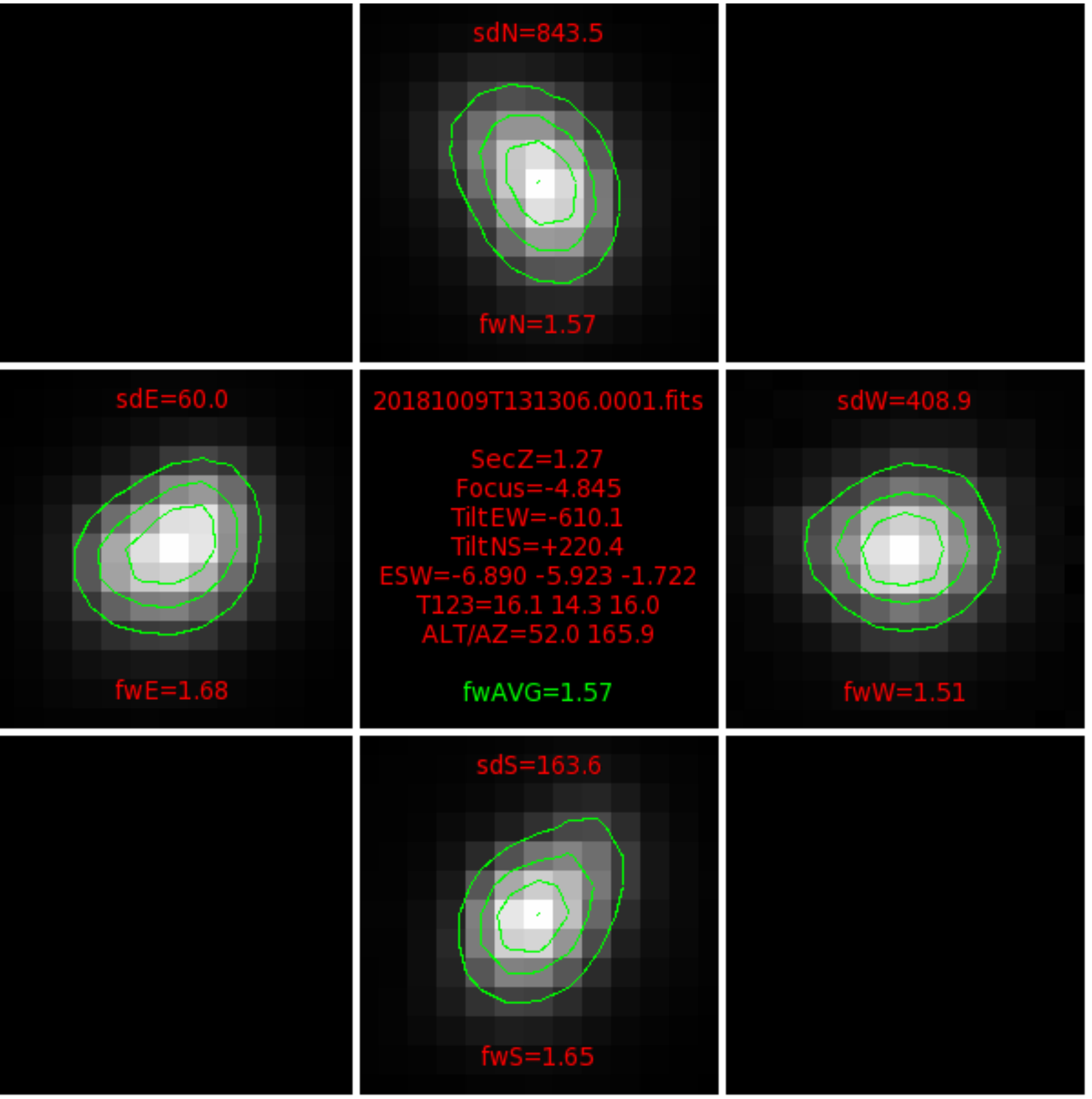

sdN=1124.6
fwN=1.60
sdE=96.5
fwE=1.65
20181009T131130.0001.fits
SecZ=1.25
Focus=-4.845
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.890 -5.923 -1.722
T123=0.0 14.3 16.0
ALT/AZ=53.1 168.2
fwAVG=1.56
sdW=479.8
fwW=1.50
sdS=242.8
fwS=1.59
0 0 0 0 0 0 0 0 0


sdN=843.5
fwN=1.57
sdE=60.0
fwE=1.68
20181009T131306.0001.fits
SecZ=1.27
Focus=-4.845
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.890 -5.923 -1.722
T123=16.1 14.3 16.0
ALT/AZ=52.0 165.9
fwAVG=1.57
sdW=408.9
fwW=1.51
sdS=163.6
fwS=1.65
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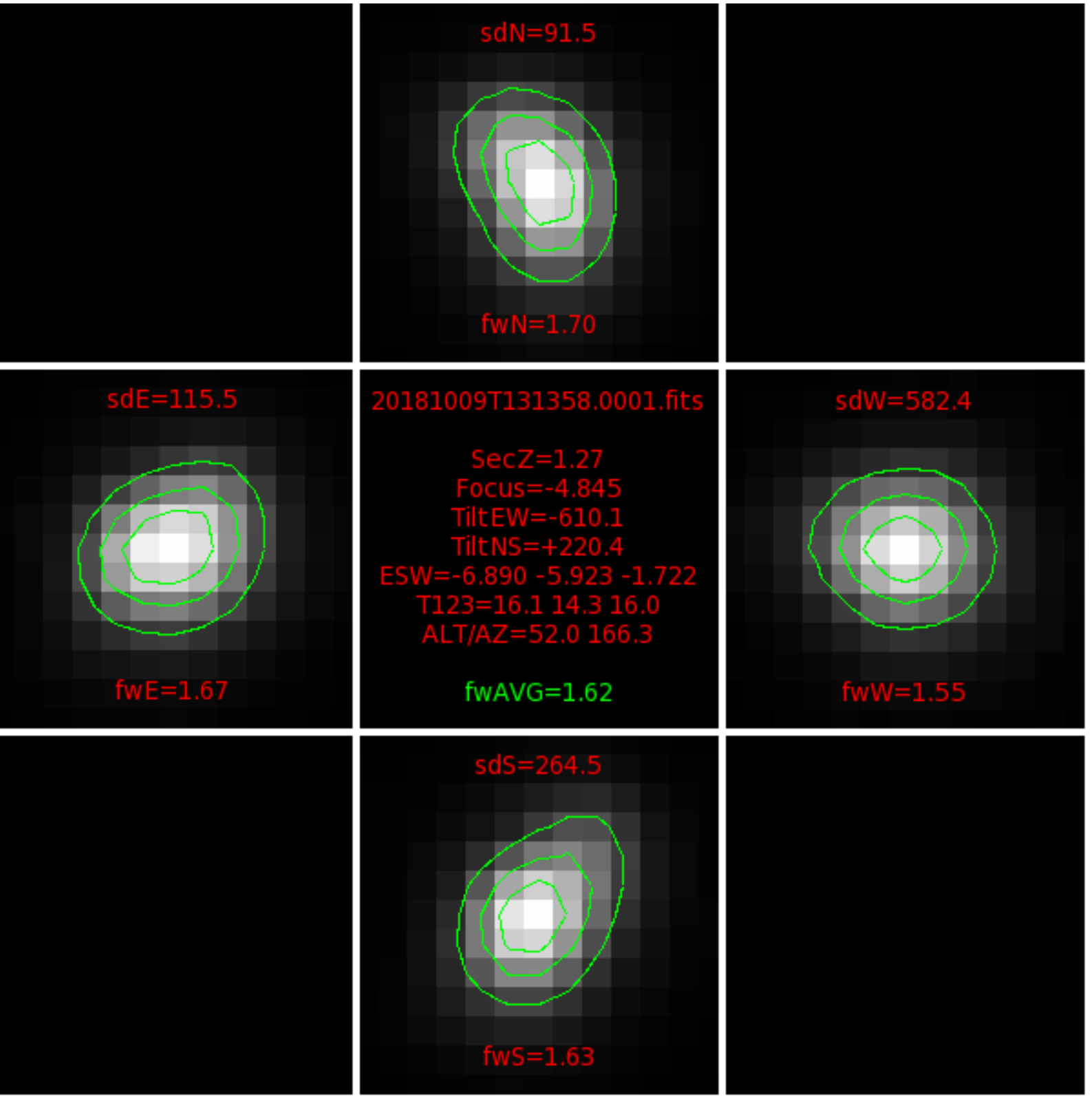
sdN=91.5
fwN=1.70
sdE=115.5
fwE=1.67
20181009T131358.0001.fits
SecZ=1.27
Focus=-4.845
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.890 -5.923 -1.722
T123=16.1 14.3 16.0
ALT/AZ=52.0 166.3
fwAVG=1.62
sdW=582.4
fwW=1.55
sdS=264.5
fwS=1.63
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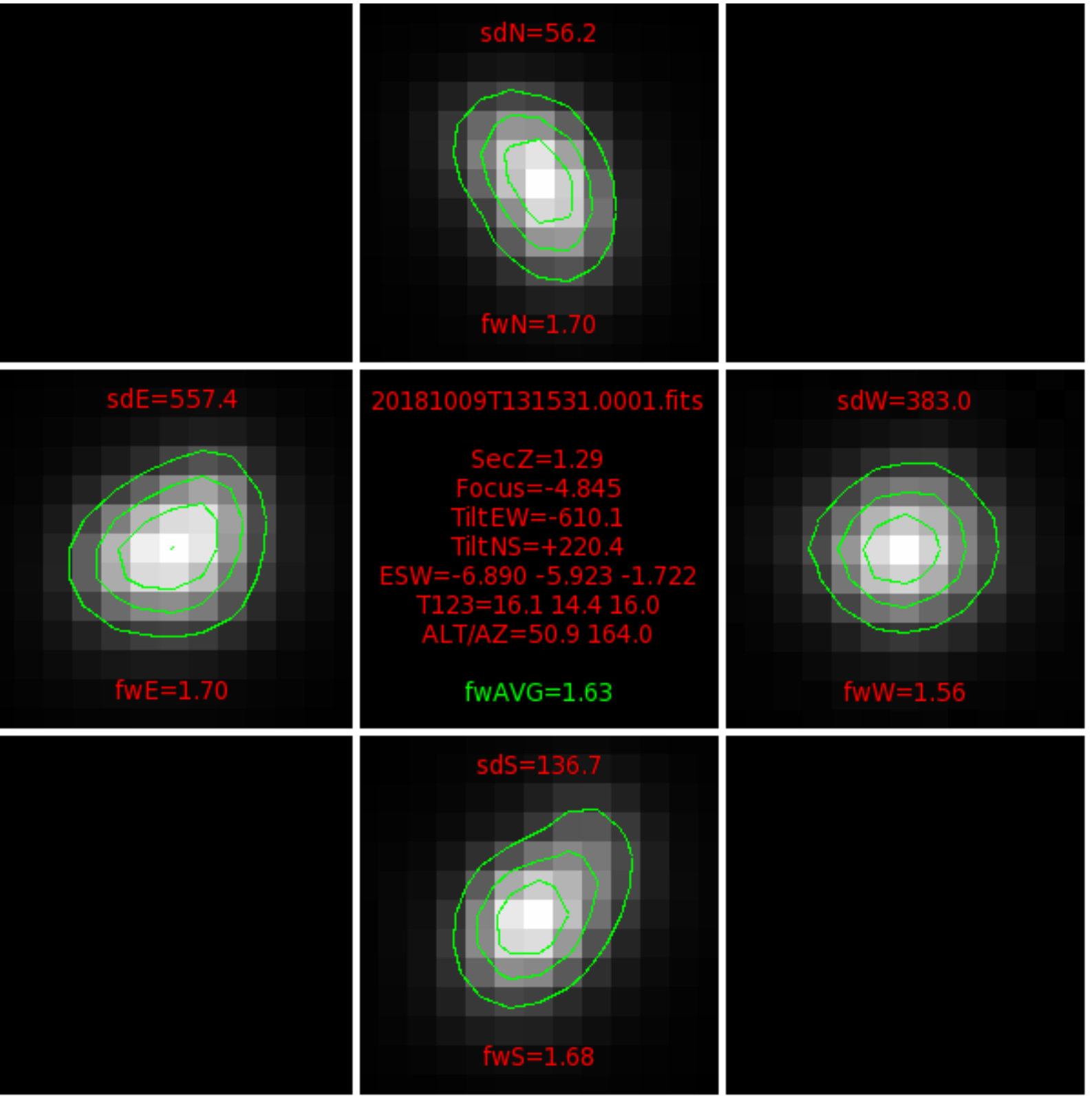
sdN=56.2
fwN=1.70
sdE=557.4
fwE=1.70
20181009T131531.0001.fits
SecZ=1.29
Focus=-4.845
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.890 -5.923 -1.722
T123=16.1 14.4 16.0
ALT/AZ=50.9 164.0
fwAVG=1.63
sdW=383.0
fwW=1.56
sdS=136.7
fwS=1.68
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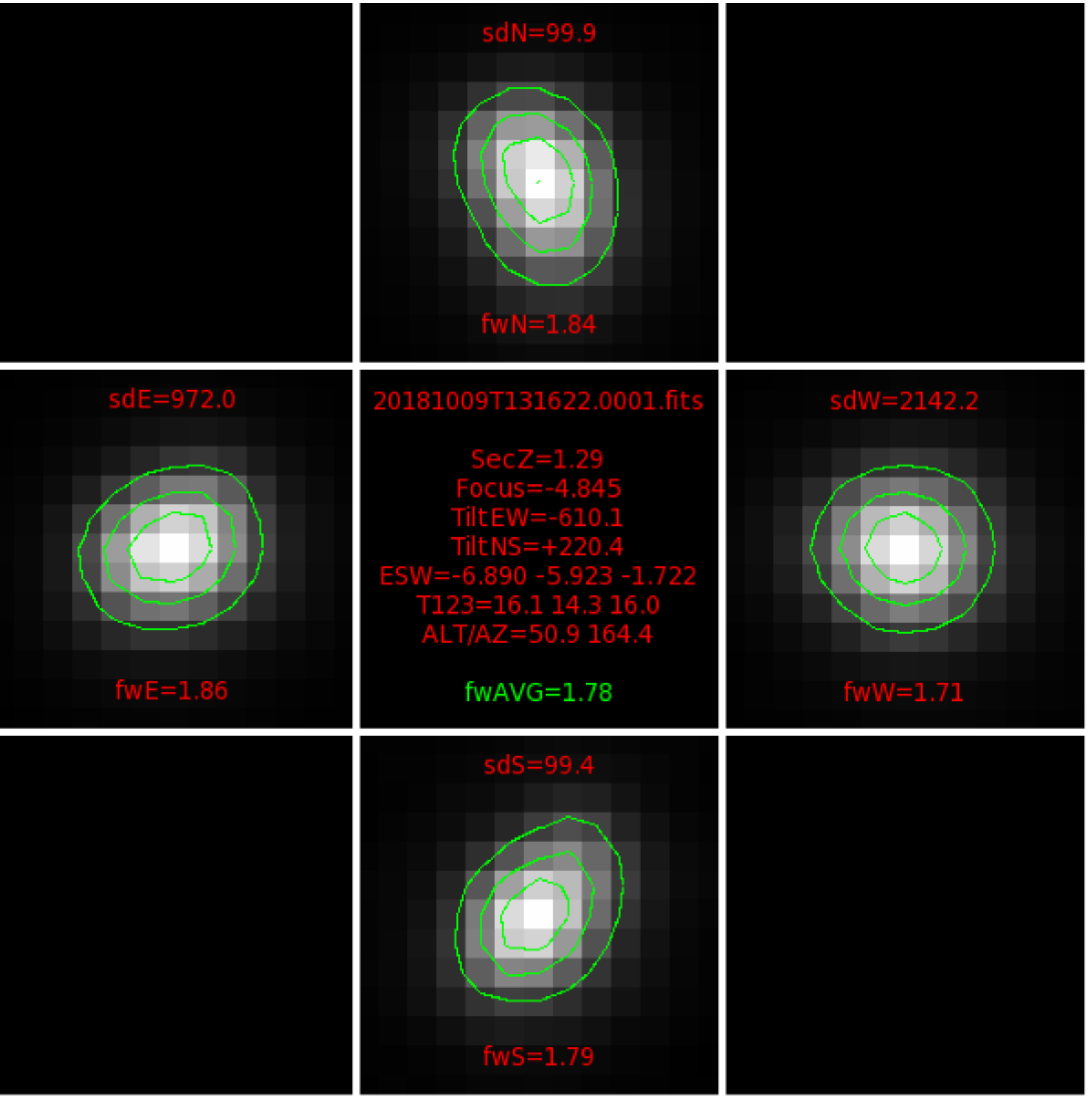
sdN=99.9
fwN=1.84
sdE=972.0
fwE=1.86
20181009T131622.0001.fits
SecZ=1.29
Focus=-4.845
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.890 -5.923 -1.722
T123=16.1 14.3 16.0
ALT/AZ=50.9 164.4
fwAVG=1.78
sdW=2142.2
fwW=1.71
sdS=99.4
fwS=1.79
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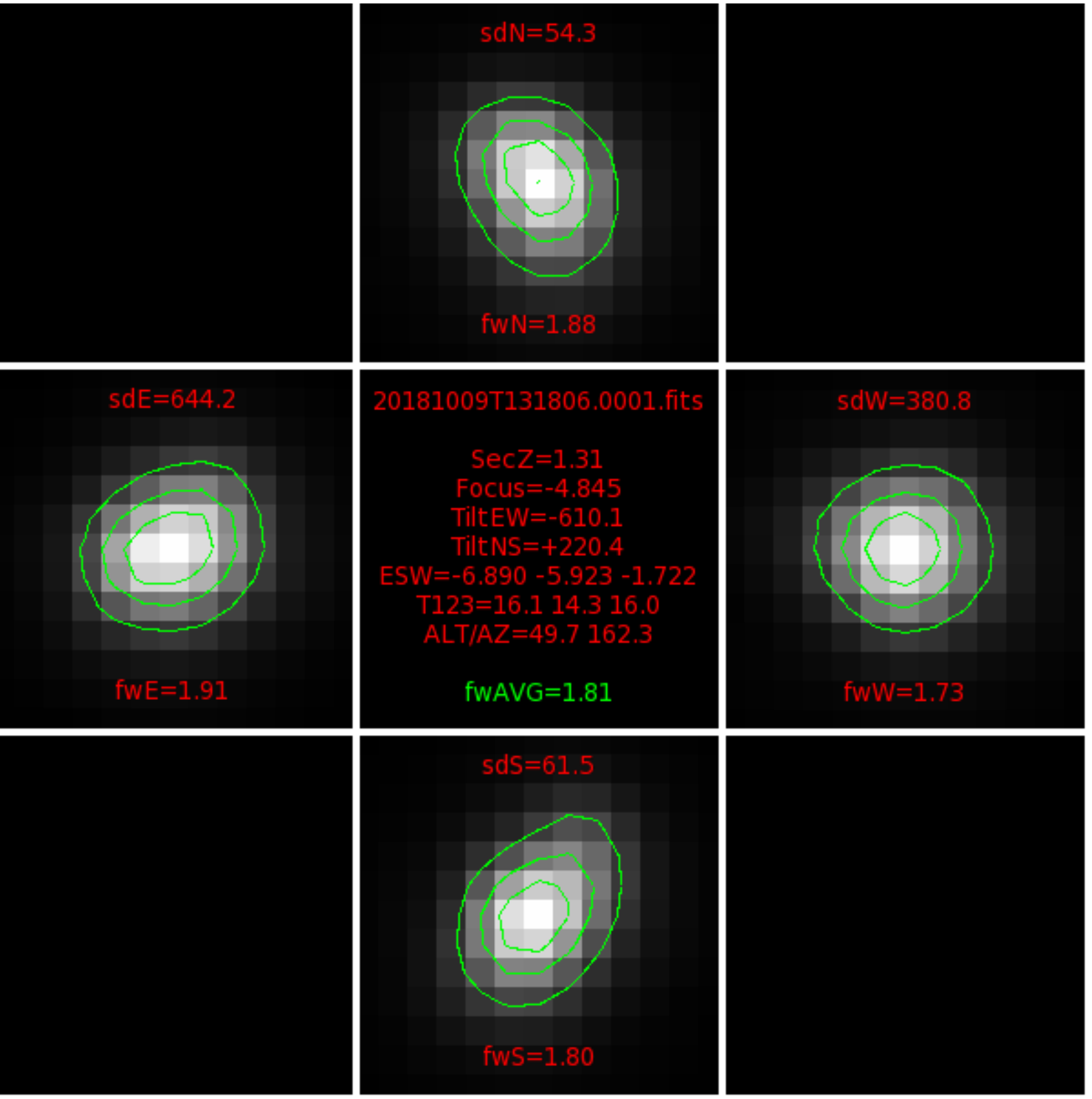
sdN=54.3
fwN=1.88
sdE=644.2
fwE=1.91
20181009T131806.0001.fits
SecZ=1.31
Focus=-4.845
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.890 -5.923 -1.722
T123=16.1 14.3 16.0
ALT/AZ=49.7 162.3
fwAVG=1.81
sdW=380.8
fwW=1.73
sdS=61.5
fwS=1.80
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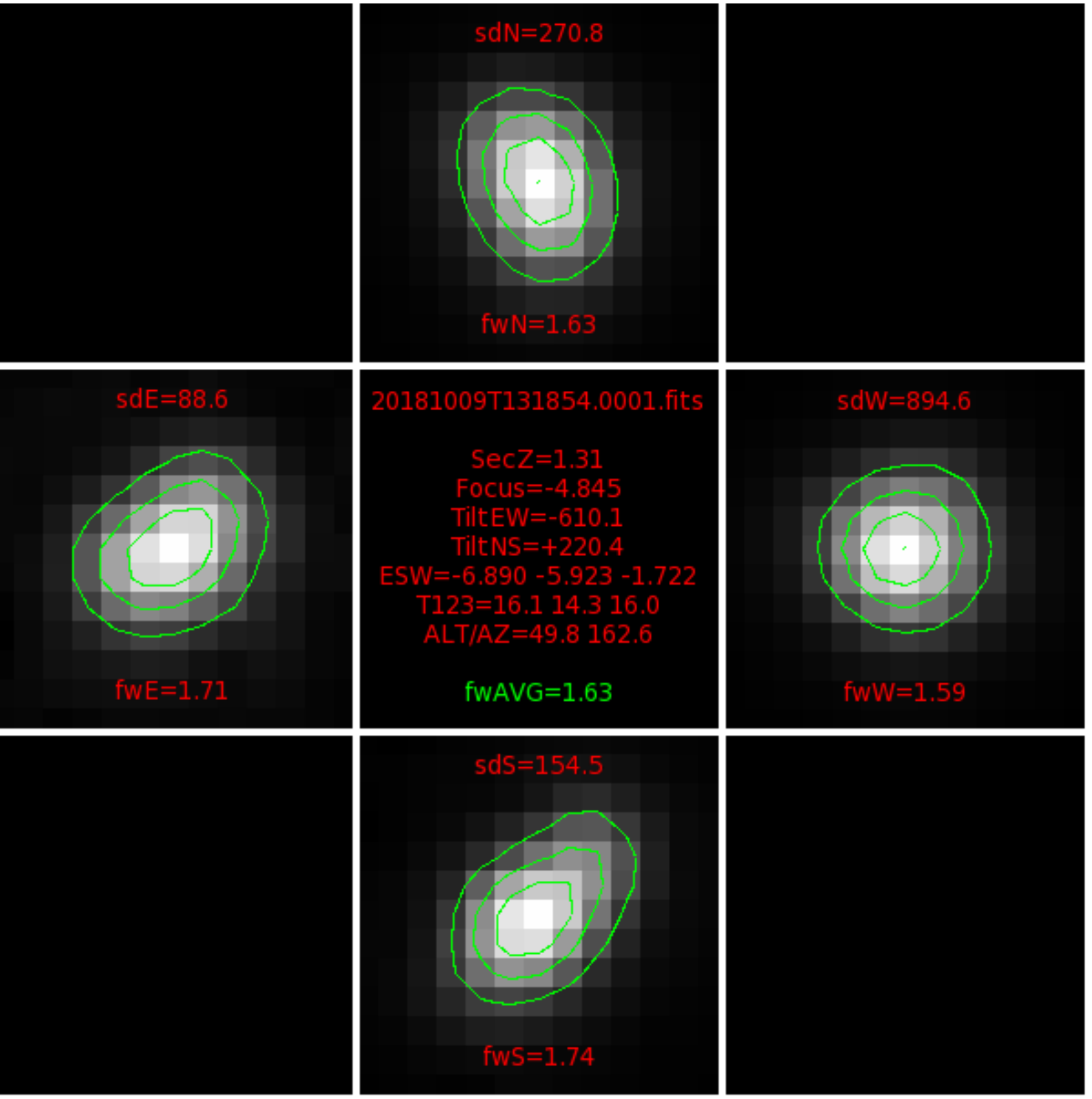
sdN=270.8
fwN=1.63
sdE=88.6
fwE=1.71
20181009T131854.0001.fits
SecZ=1.31
Focus=-4.845
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.890 -5.923 -1.722
T123=16.1 14.3 16.0
ALT/AZ=49.8 162.6
fwAVG=1.63
sdW=894.6
fwW=1.59
sdS=154.5
fwS=1.74
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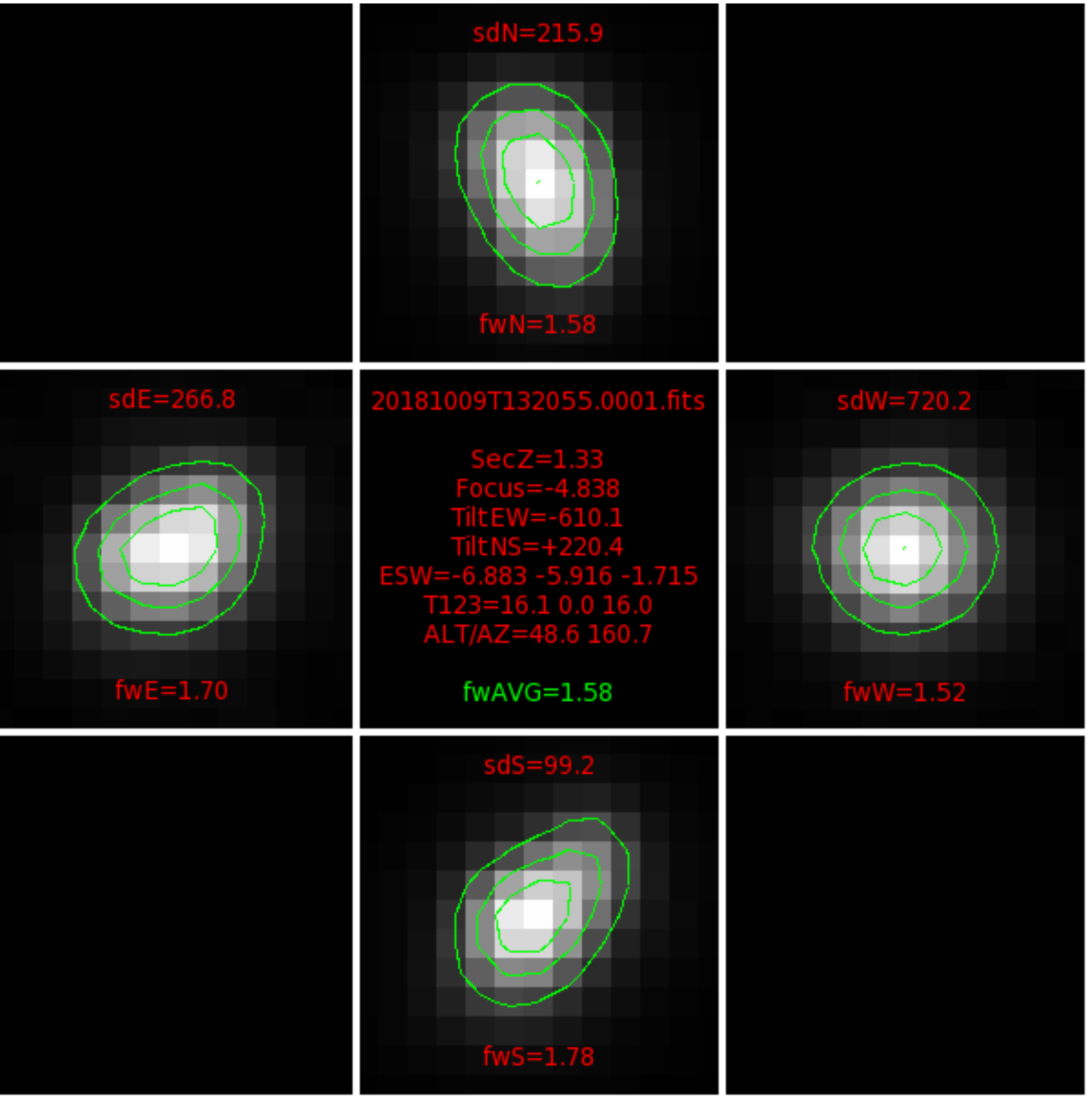
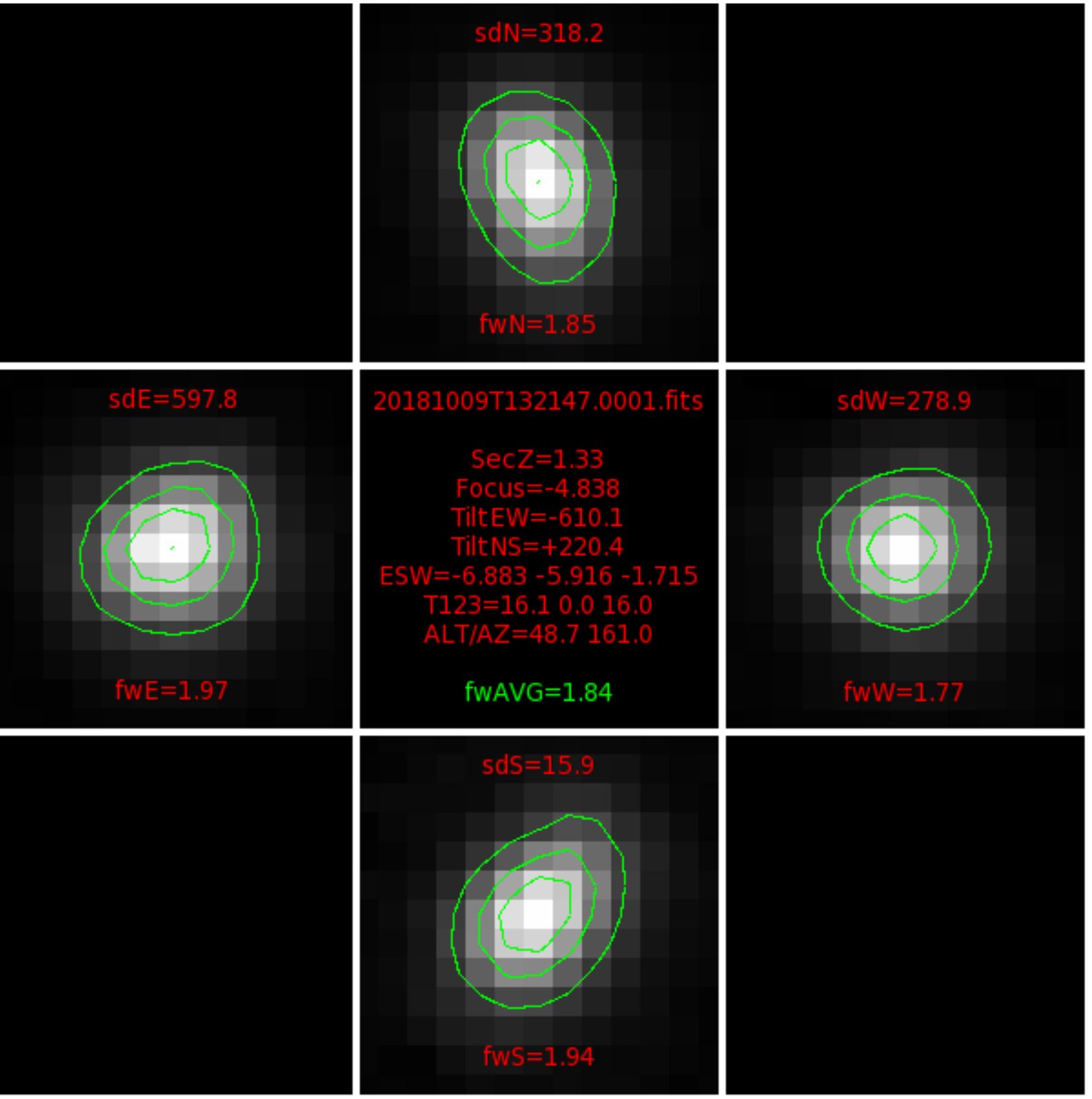
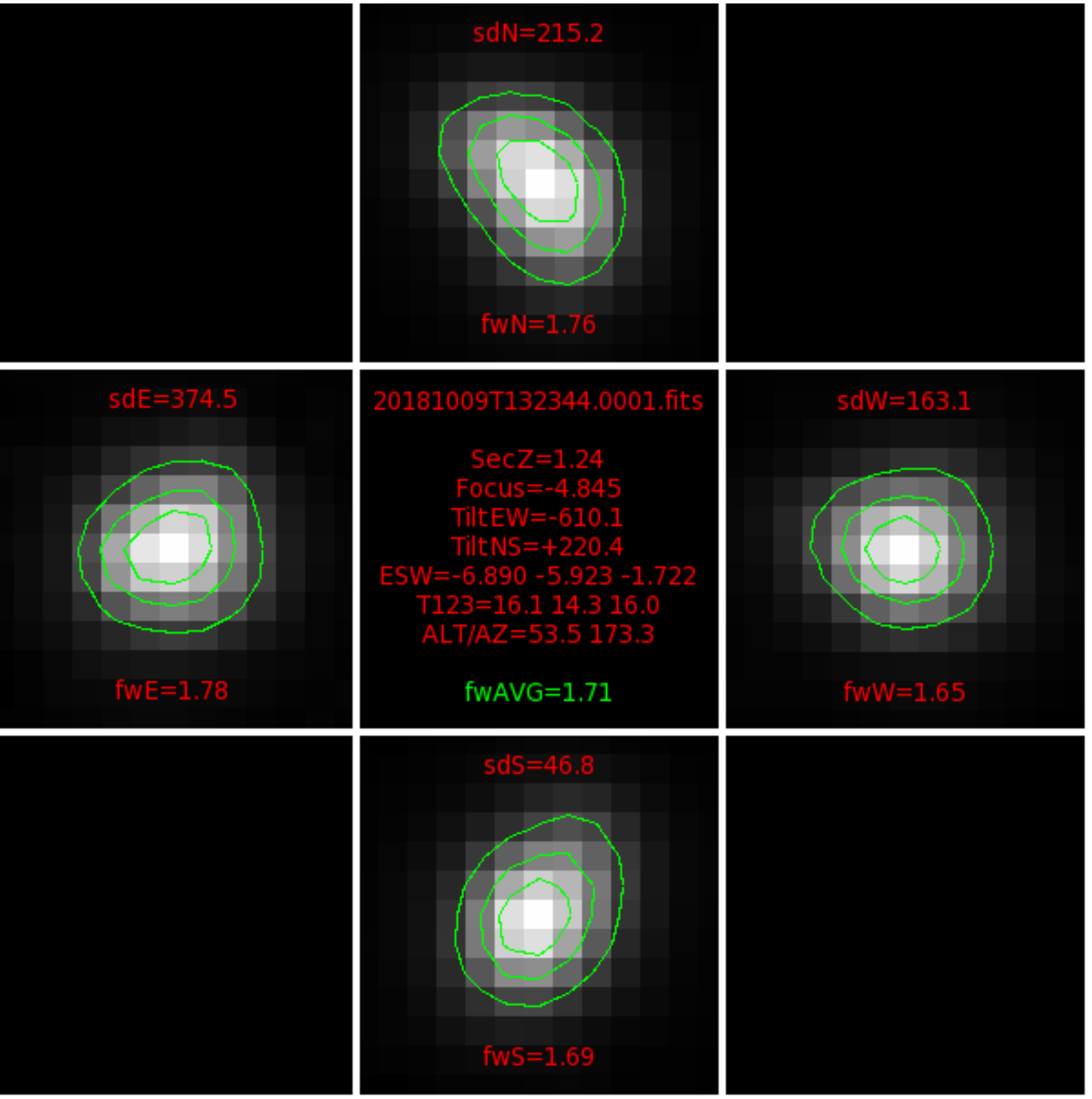

sdN=215.9
fwN=1.58
sdE=266.8
fwE=1.70
20181009T132055.0001.fits
SecZ=1.33
Focus=-4.838
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.883 -5.916 -1.715
T123=16.1 0.0 16.0
ALT/AZ=48.6 160.7
fwAVG=1.58
sdW=720.2
fwW=1.52
sdS=99.2
fwS=1.78
0 0 0 0 0 0 0 0 0


sdN=318.2
fwN=1.85
sdE=597.8
fwE=1.97
20181009T132147.0001.fits
SecZ=1.33
Focus=-4.838
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.883 -5.916 -1.715
T123=16.1 0.0 16.0
ALT/AZ=48.7 161.0
fwAVG=1.84
sdW=278.9
fwW=1.77
sdS=15.9
fwS=1.94
0 0 0 0 0 0 0 0 0


sdN=215.2
fwN=1.76
sdE=374.5
fwE=1.78
20181009T132344.0001.fits
SecZ=1.24
Focus=-4.845
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.890 -5.923 -1.722
T123=16.1 14.3 16.0
ALT/AZ=53.5 173.3
fwAVG=1.71
sdW=163.1
fwW=1.65
sdS=46.8
fwS=1.69
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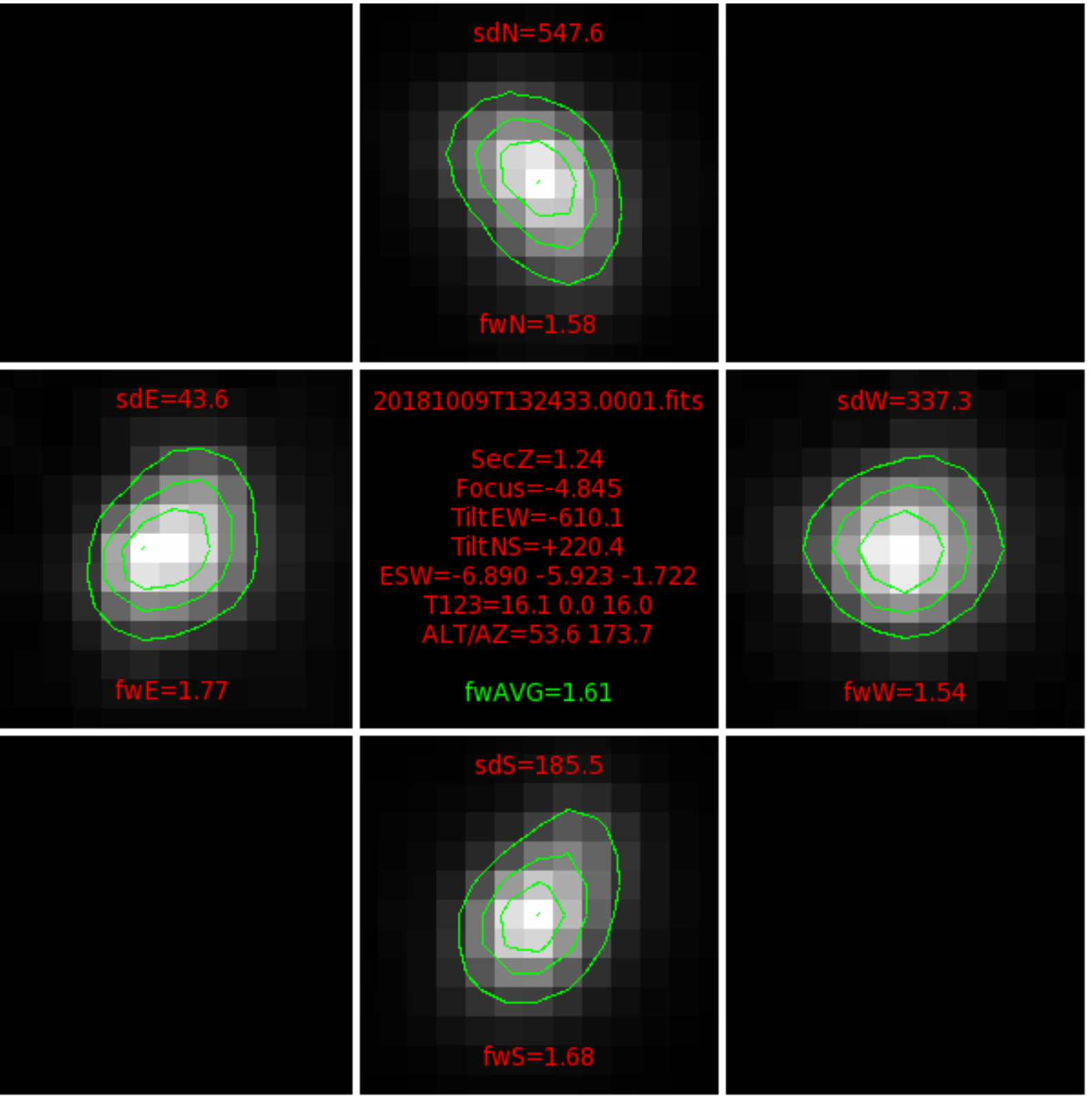
sdN=547.6
fwN=1.58
sdE=43.6
fwE=1.77
20181009T132433.0001.fits
SecZ=1.24
Focus=-4.845
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.890 -5.923 -1.722
T123=16.1 0.0 16.0
ALT/AZ=53.6 173.7
fwAVG=1.61
sdW=337.3
fwW=1.54
sdS=185.5
fwS=1.68
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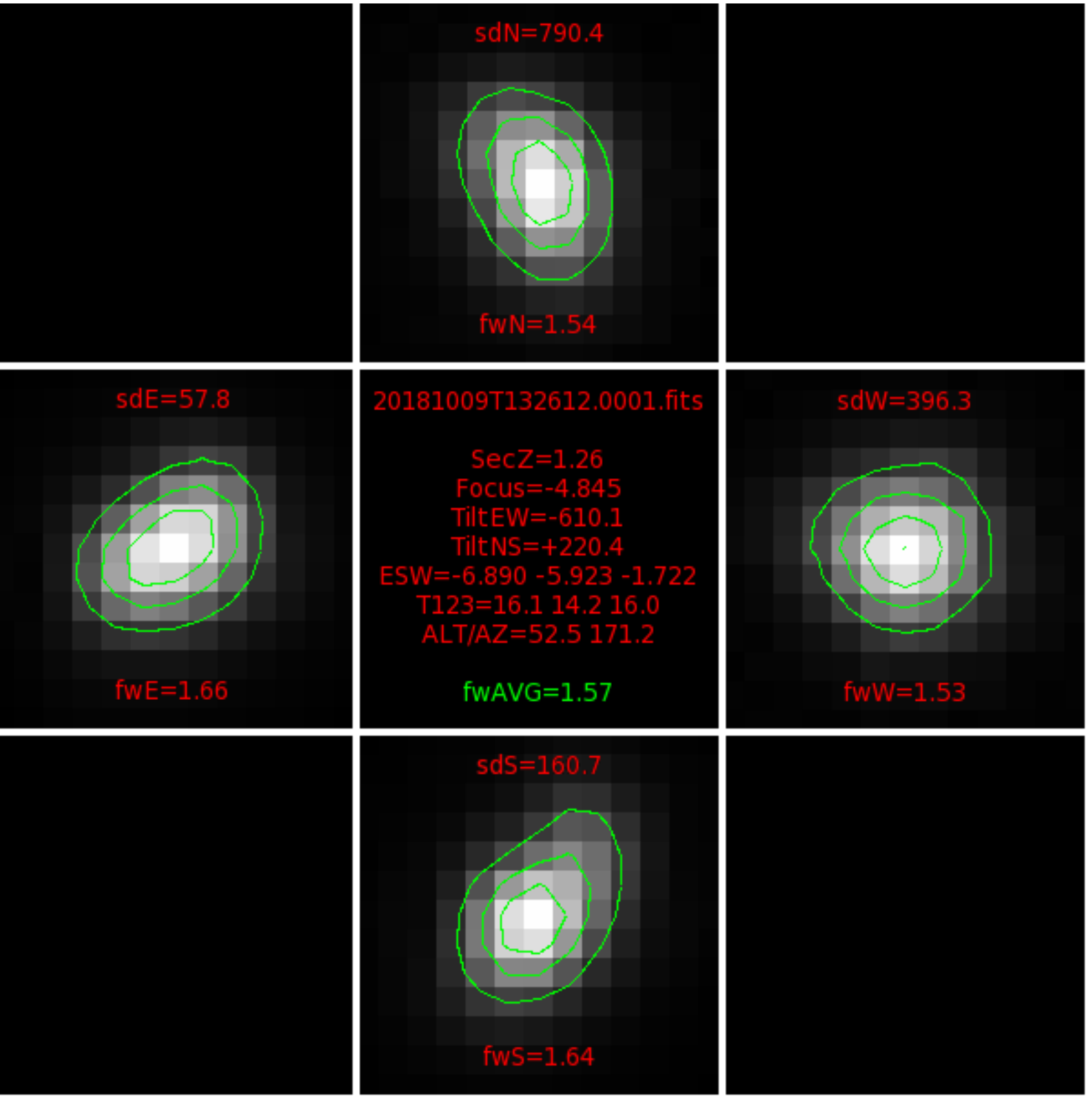
sdN=790.4
fwN=1.54
sdE=57.8
fwE=1.66
20181009T132612.0001.fits
SecZ=1.26
Focus=-4.845
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.890 -5.923 -1.722
T123=16.1 14.2 16.0
ALT/AZ=52.5 171.2
fwAVG=1.57
sdW=396.3
fwW=1.53
sdS=160.7
fwS=1.64
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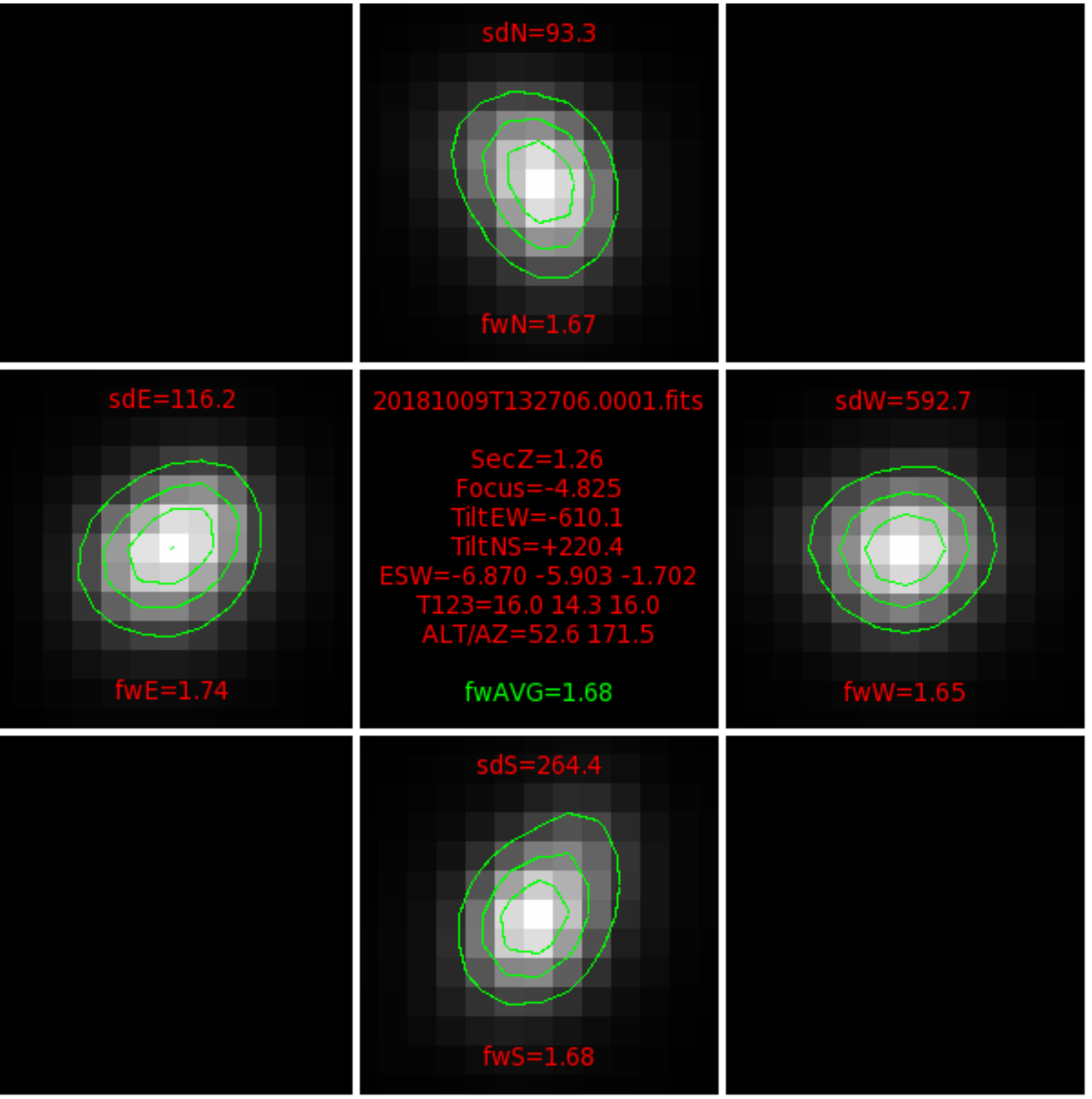
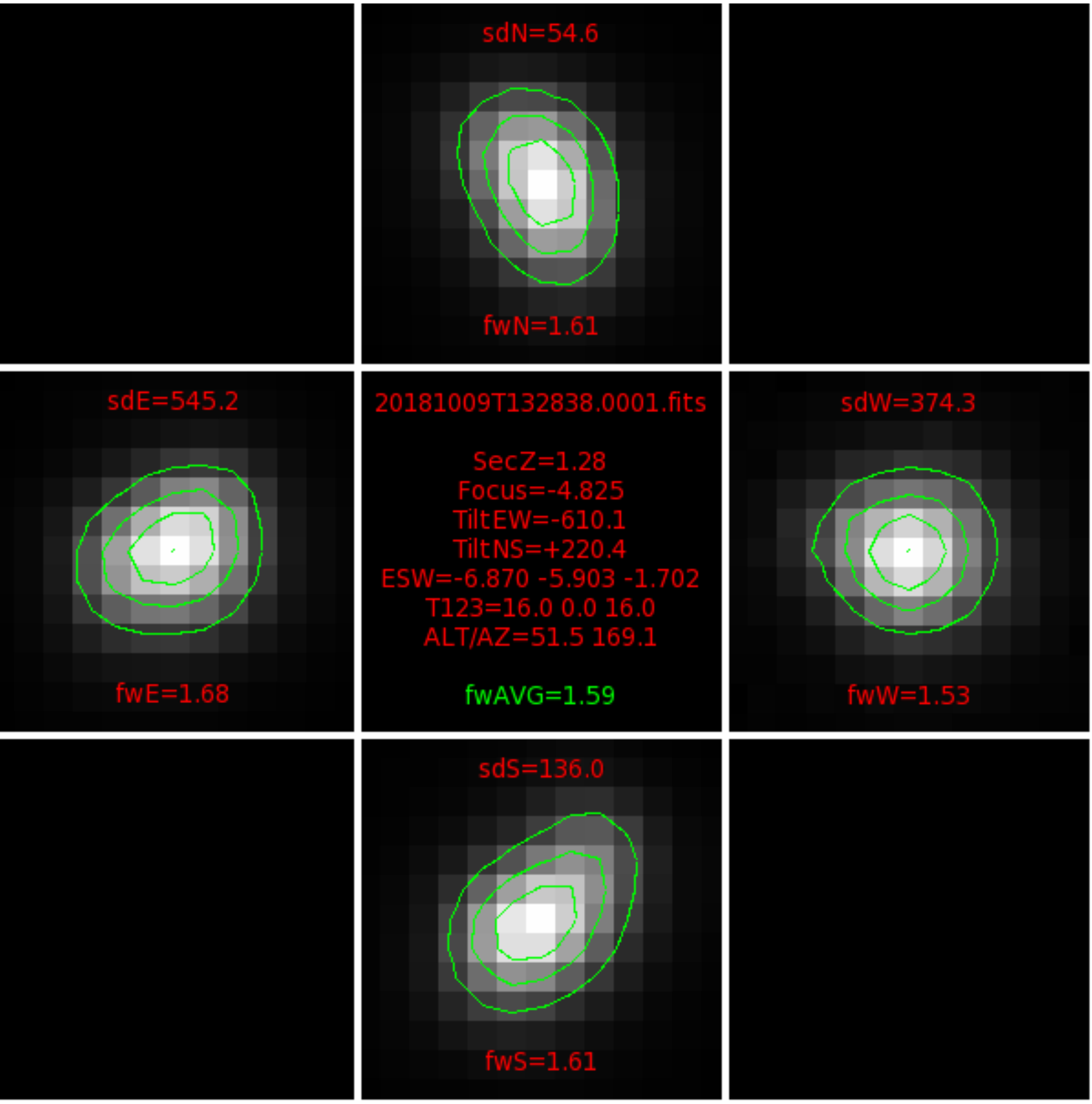
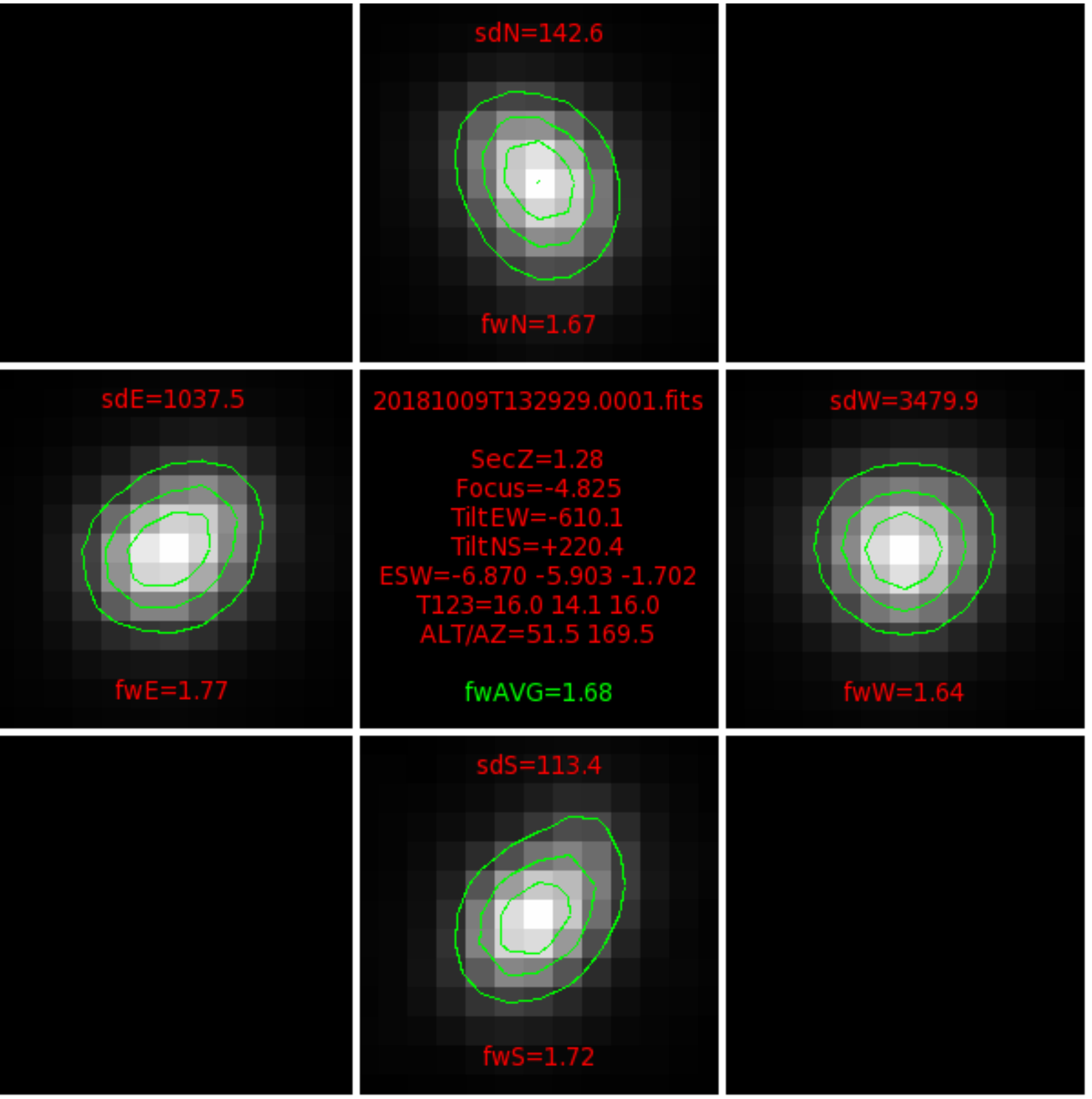
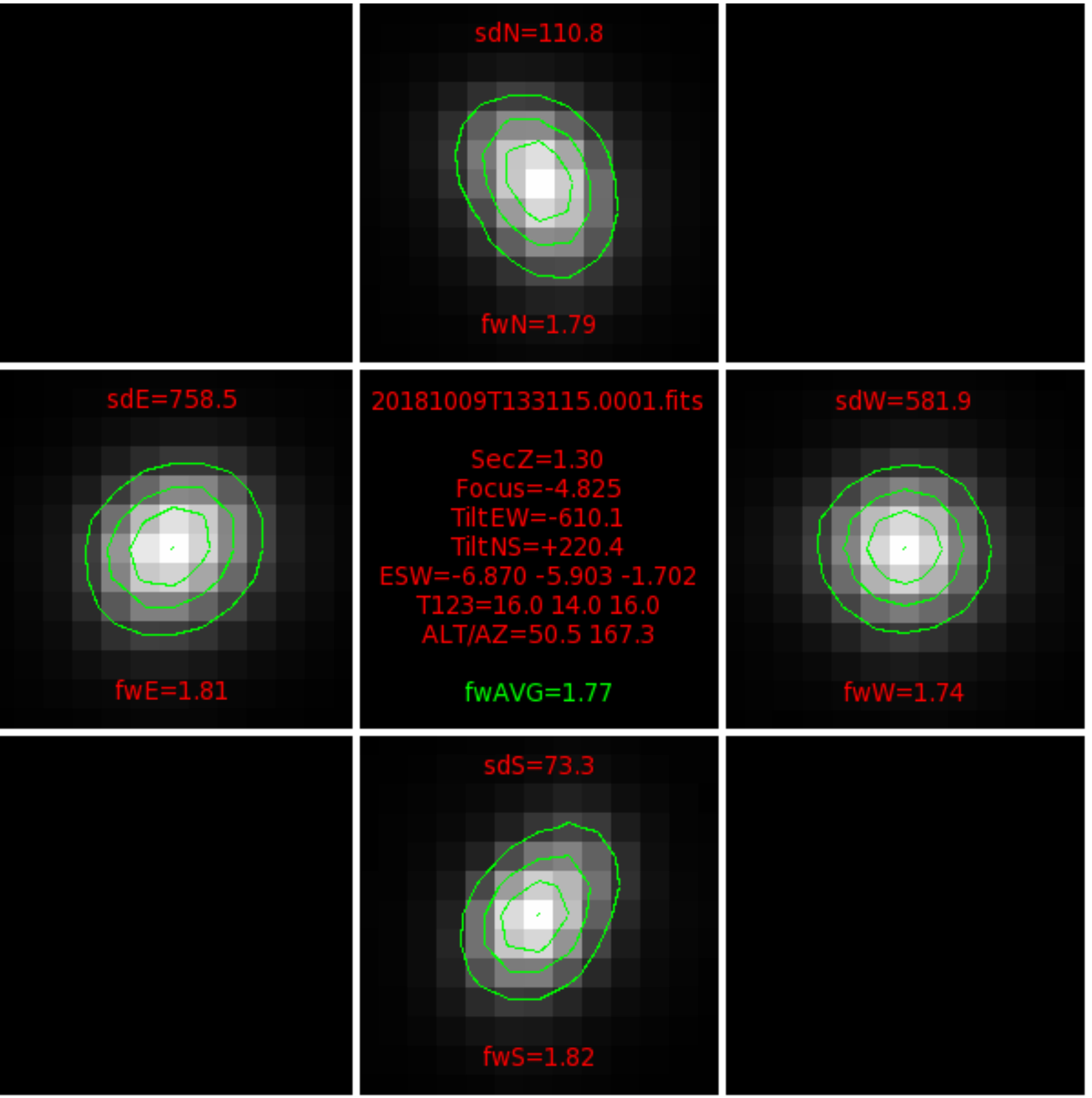

sdN=93.3
fwN=1.67
sdE=116.2
fwE=1.74
20181009T132706.0001.fits
SecZ=1.26
Focus=-4.825
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.870 -5.903 -1.702
T123=16.0 14.3 16.0
ALT/AZ=52.6 171.5
fwAVG=1.68
sdW=592.7
fwW=1.65
sdS=264.4
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=54.6
fwN=1.61
sdE=545.2
fwE=1.68
20181009T132838.0001.fits
SecZ=1.28
Focus=-4.825
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.870 -5.903 -1.702
T123=16.0 0.0 16.0
ALT/AZ=51.5 169.1
fwAVG=1.59
sdW=374.3
fwW=1.53
sdS=136.0
fwS=1.61
0 0 0 0 0 0 0 0 0


sdN=142.6
fwN=1.67
sdE=1037.5
fwE=1.77
20181009T132929.0001.fits
SecZ=1.28
Focus=-4.825
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.870 -5.903 -1.702
T123=16.0 14.1 16.0
ALT/AZ=51.5 169.5
fwAVG=1.68
sdW=3479.9
fwW=1.64
sdS=113.4
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=110.8
fwN=1.79
sdE=758.5
fwE=1.81
20181009T133115.0001.fits
SecZ=1.30
Focus=-4.825
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.870 -5.903 -1.702
T123=16.0 14.0 16.0
ALT/AZ=50.5 167.3
fwAVG=1.77
sdW=581.9
fwW=1.74
sdS=73.3
fwS=1.82
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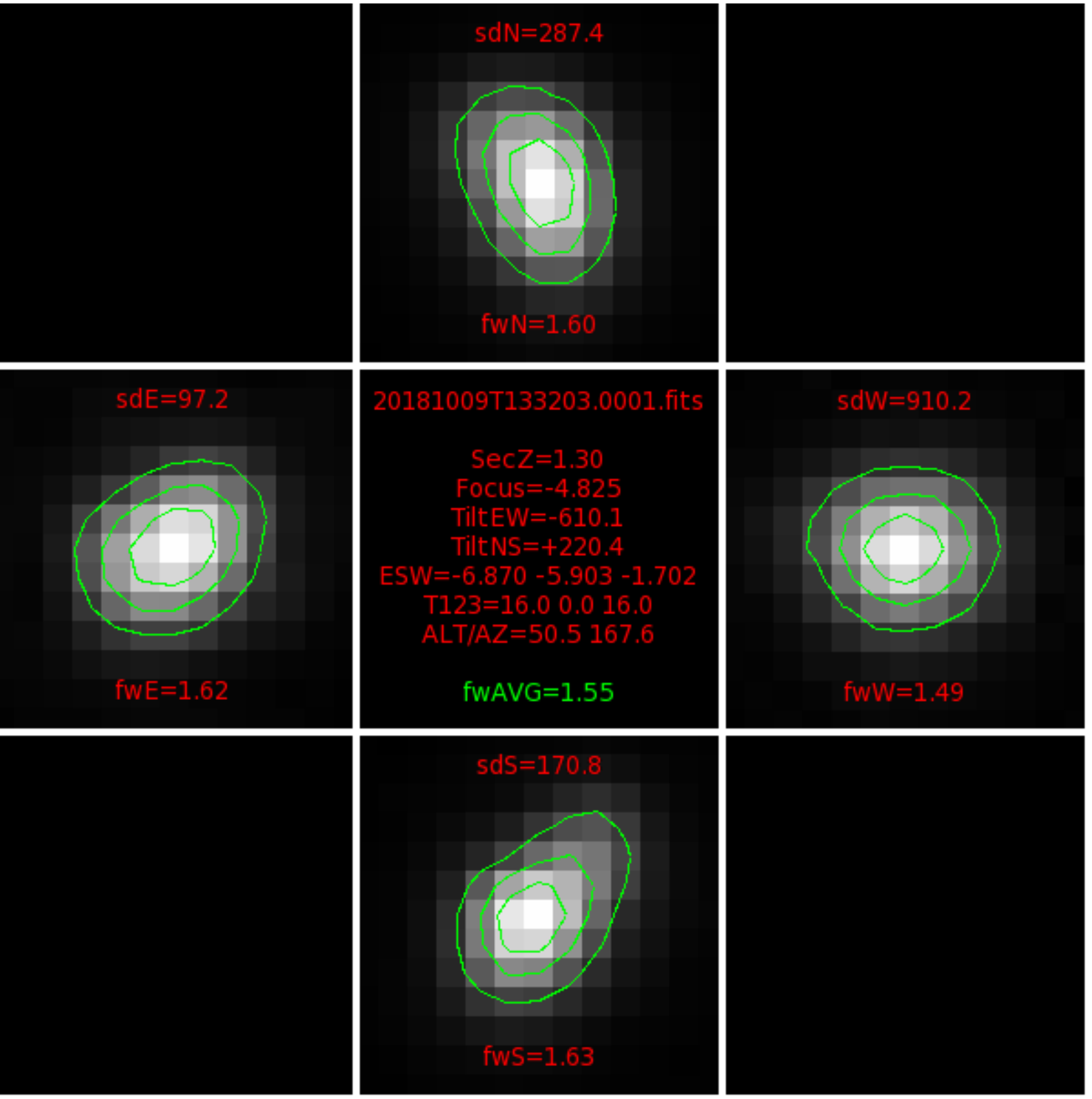
sdN=287.4
fwN=1.60
sdE=97.2
fwE=1.62
20181009T133203.0001.fits
SecZ=1.30
Focus=-4.825
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.870 -5.903 -1.702
T123=16.0 0.0 16.0
ALT/AZ=50.5 167.6
fwAVG=1.55
sdW=910.2
fwW=1.49
sdS=170.8
fwS=1.63
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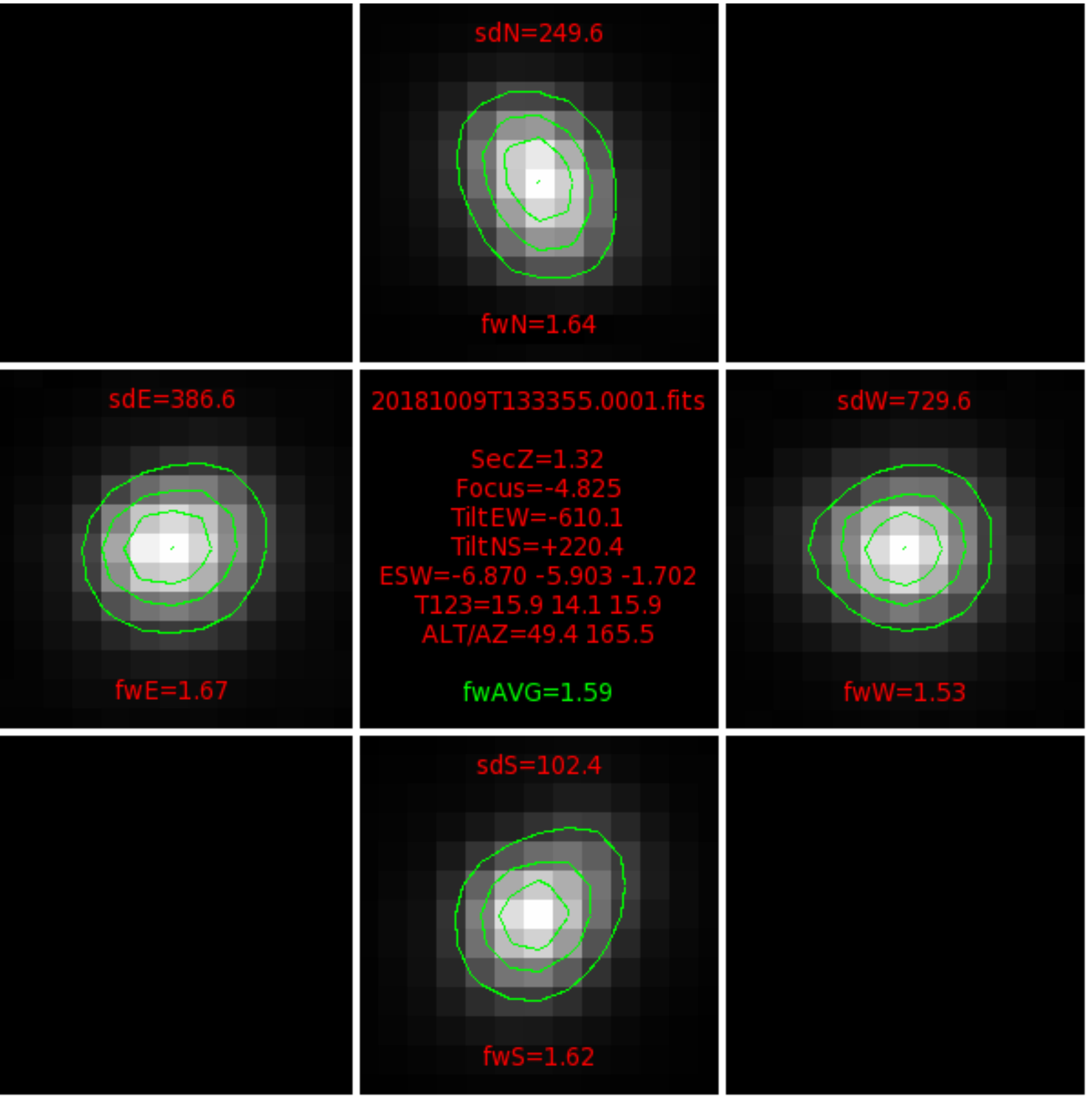
sdN=249.6
fwN=1.64
sdE=386.6
fwE=1.67
20181009T133355.0001.fits
SecZ=1.32
Focus=-4.825
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.870 -5.903 -1.702
T123=15.9 14.1 15.9
ALT/AZ=49.4 165.5
fwAVG=1.59
sdW=729.6
fwW=1.53
sdS=102.4
fwS=1.62
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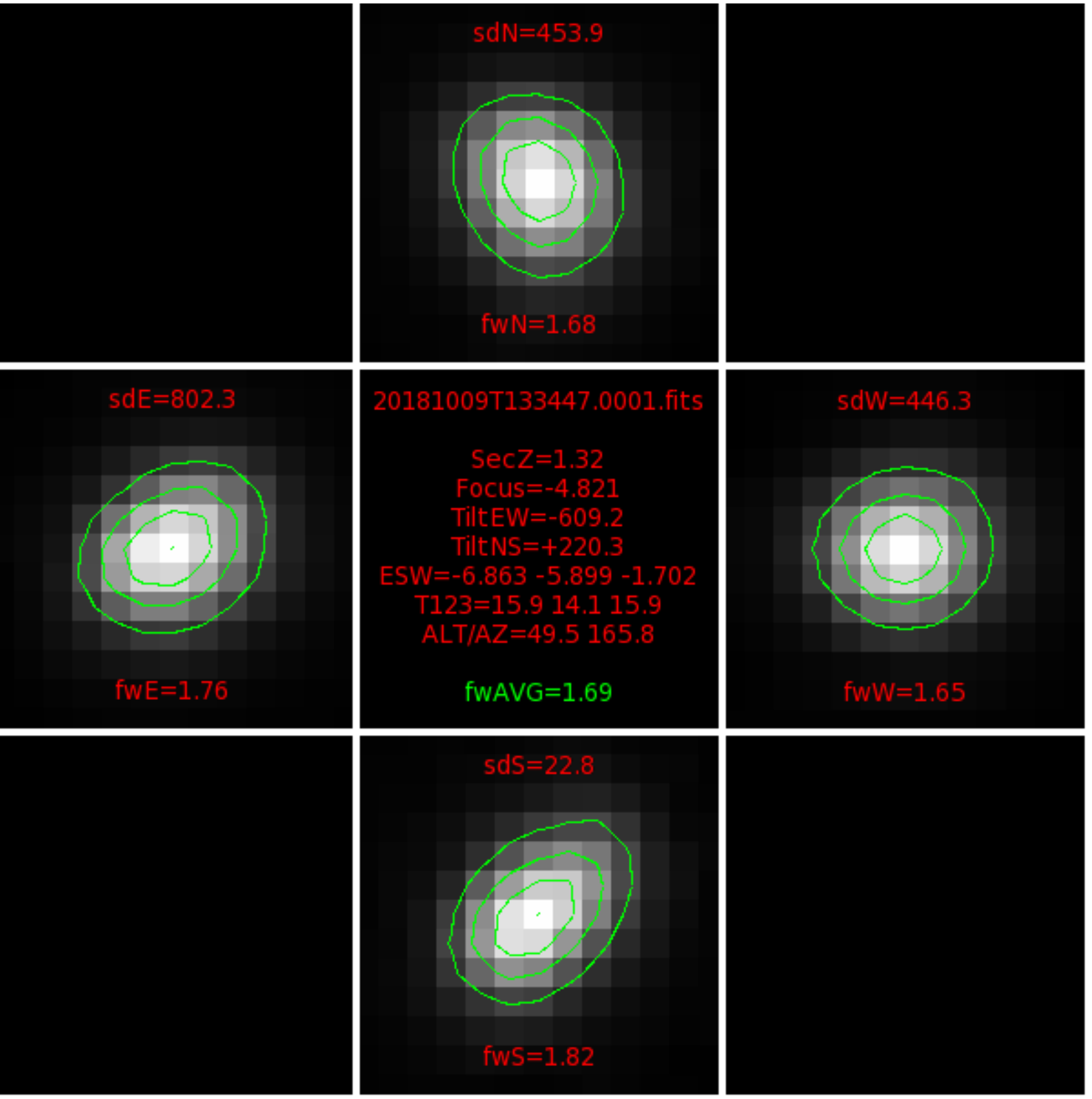
sdN=453.9
fwN=1.68
sdE=802.3
fwE=1.76
20181009T133447.0001.fits
SecZ=1.32
Focus=-4.821
TiltEW=-609.2
TiltNS=+220.3
ESW=-6.863 -5.899 -1.702
T123=15.9 14.1 15.9
ALT/AZ=49.5 165.8
fwAVG=1.69
sdW=446.3
fwW=1.65
sdS=22.8
fwS=1.82
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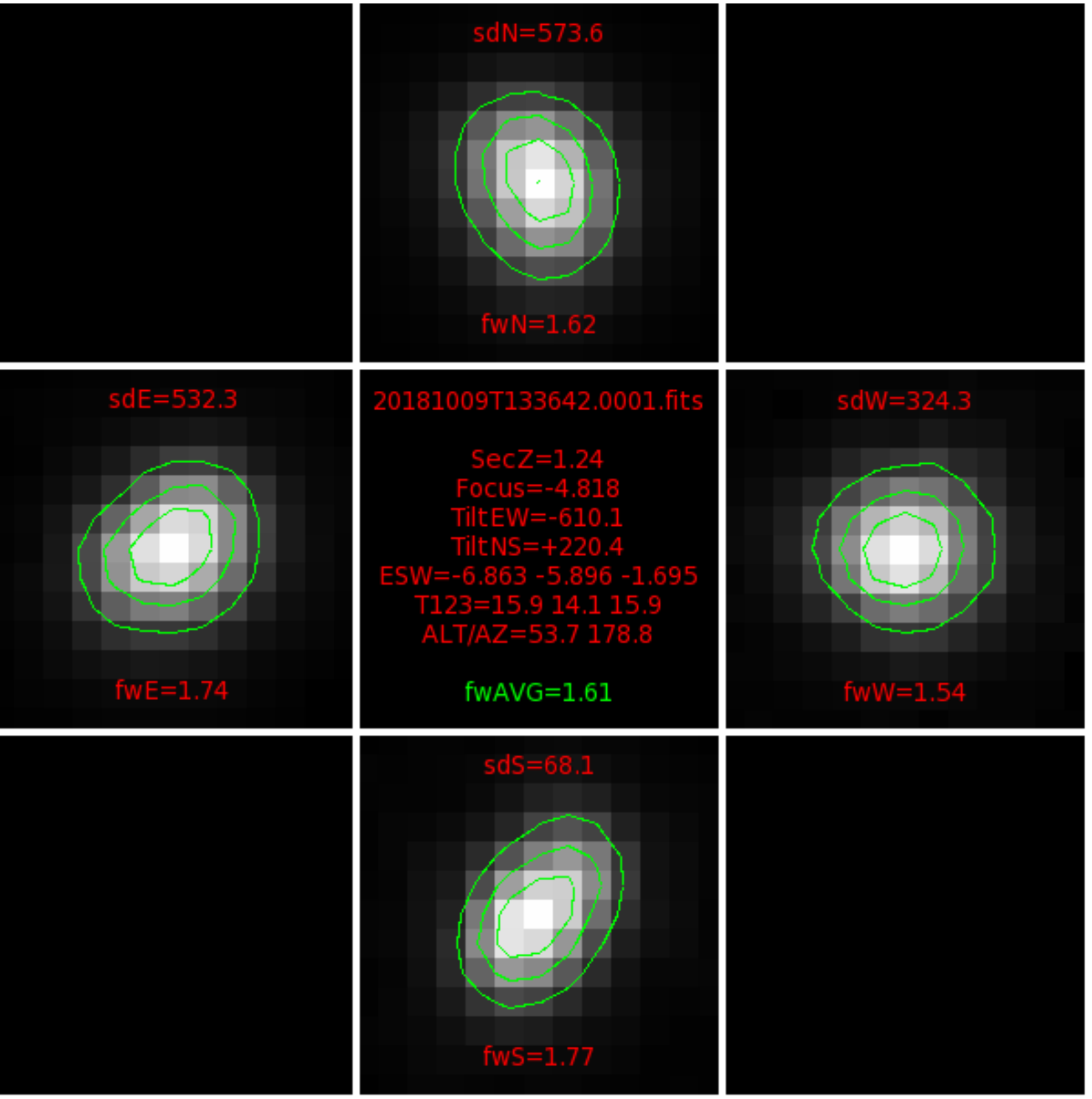
sdN=573.6
fwN=1.62
sdE=532.3
fwE=1.74
20181009T133642.0001.fits
SecZ=1.24
Focus=-4.818
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.863 -5.896 -1.695
T123=15.9 14.1 15.9
ALT/AZ=53.7 178.8
fwAVG=1.61
sdW=324.3
fwW=1.54
sdS=68.1
fwS=1.77
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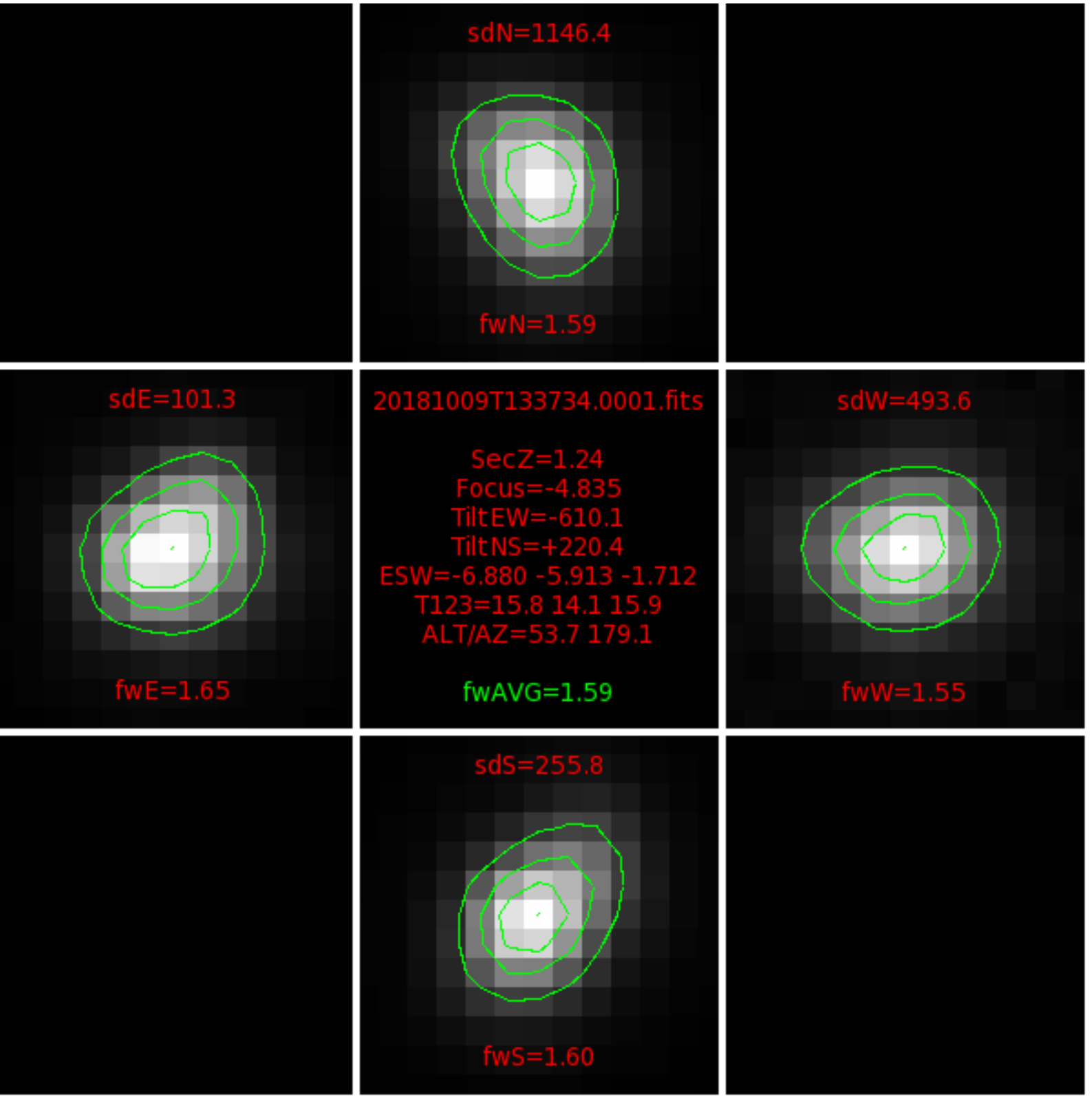
sdN=1146.4
fwN=1.59
sdE=101.3
fwE=1.65
20181009T133734.0001.fits
SecZ=1.24
Focus=-4.835
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.880 -5.913 -1.712
T123=15.8 14.1 15.9
ALT/AZ=53.7 179.1
fwAVG=1.59
sdW=493.6
fwW=1.55
sdS=255.8
fwS=1.60
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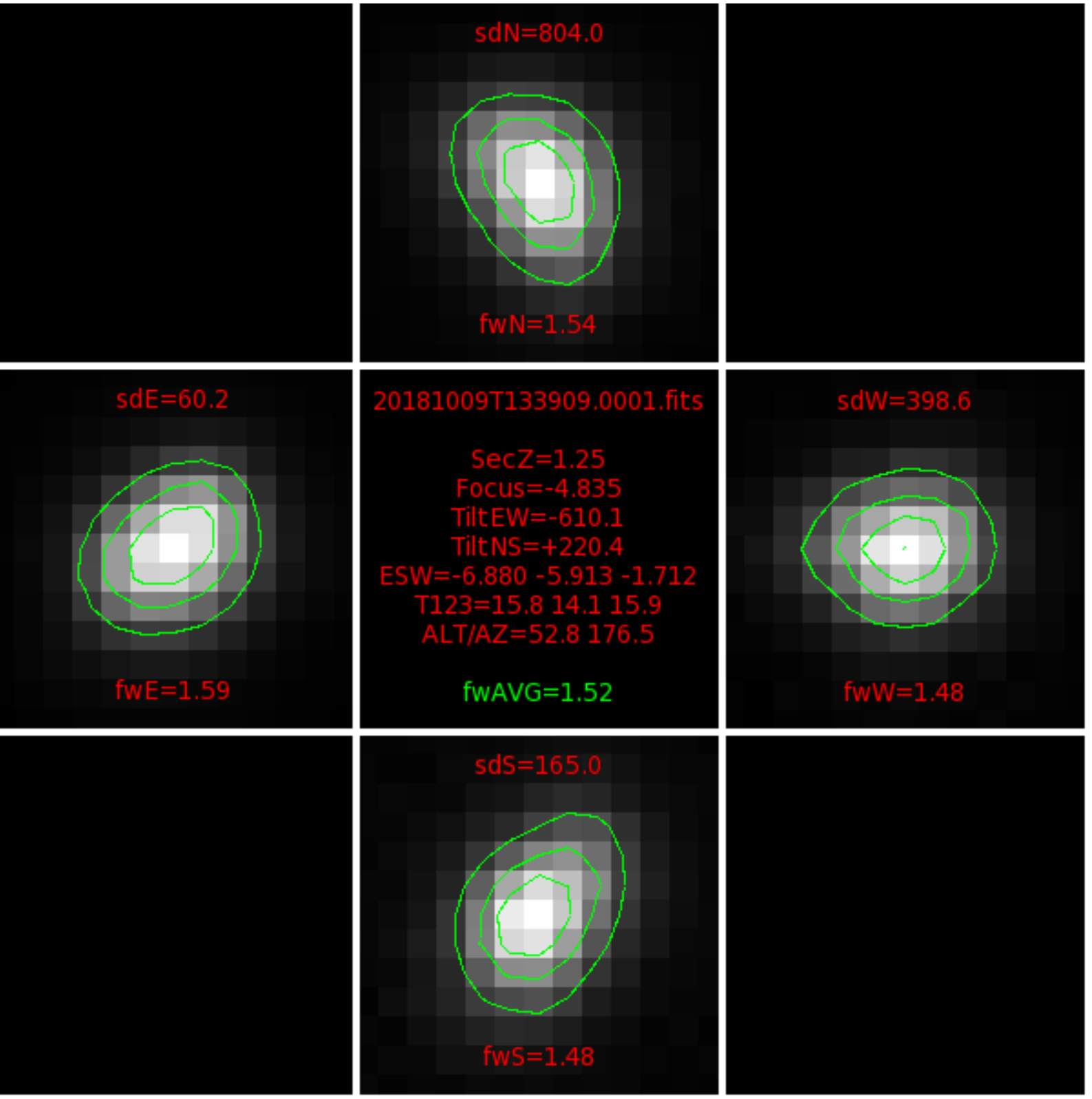
sdN=804.0
fwN=1.54
sdE=60.2
fwE=1.59
20181009T133909.0001.fits
SecZ=1.25
Focus=-4.835
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.880 -5.913 -1.712
T123=15.8 14.1 15.9
ALT/AZ=52.8 176.5
fwAVG=1.52
sdW=398.6
fwW=1.48
sdS=165.0
fwS=1.48
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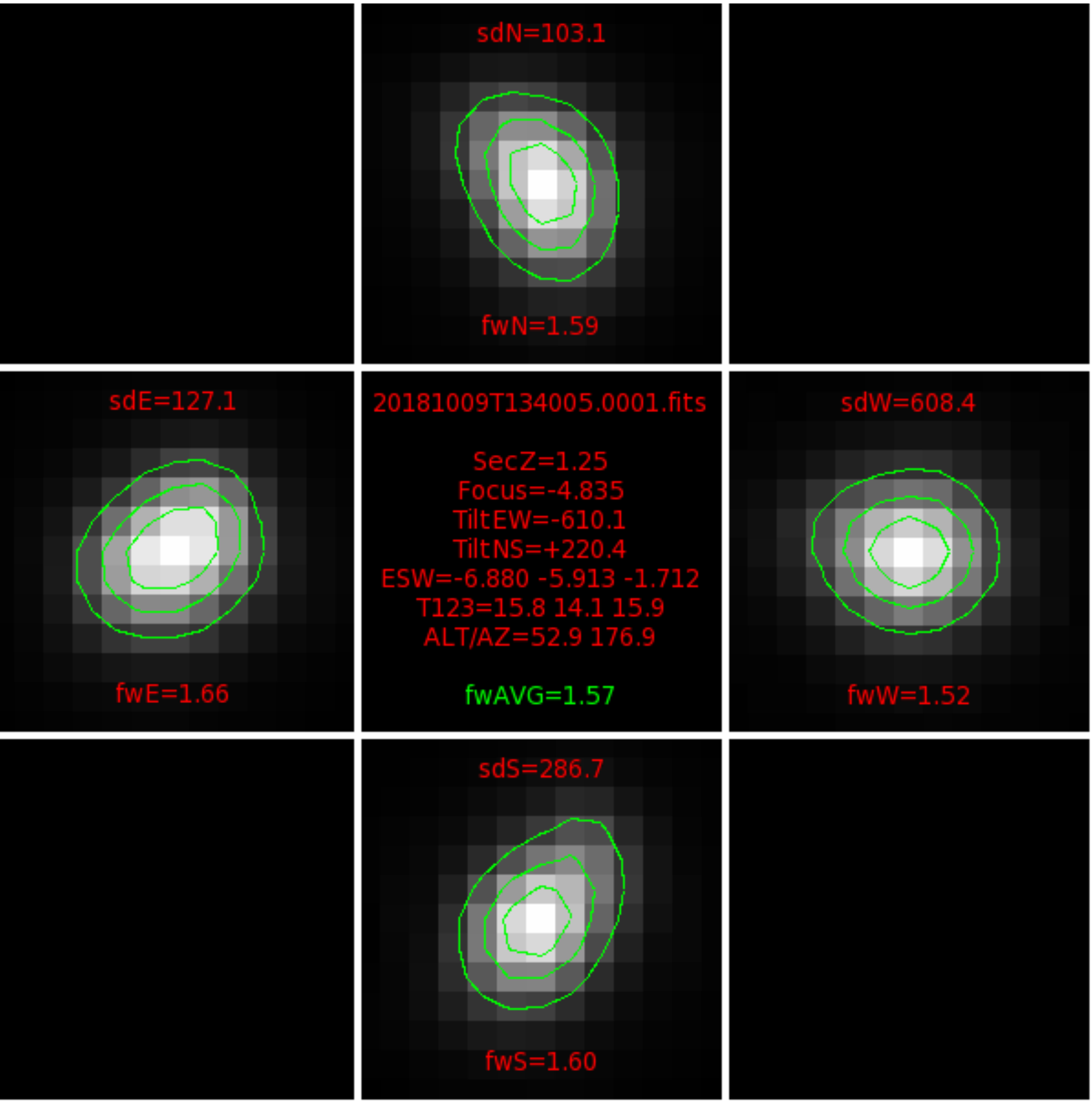
sdN=103.1
fwN=1.59
sdE=127.1
fwE=1.66
20181009T134005.0001.fits
SecZ=1.25
Focus=-4.835
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.880 -5.913 -1.712
T123=15.8 14.1 15.9
ALT/AZ=52.9 176.9
fwAVG=1.57
sdW=608.4
fwW=1.52
sdS=286.7
fwS=1.60
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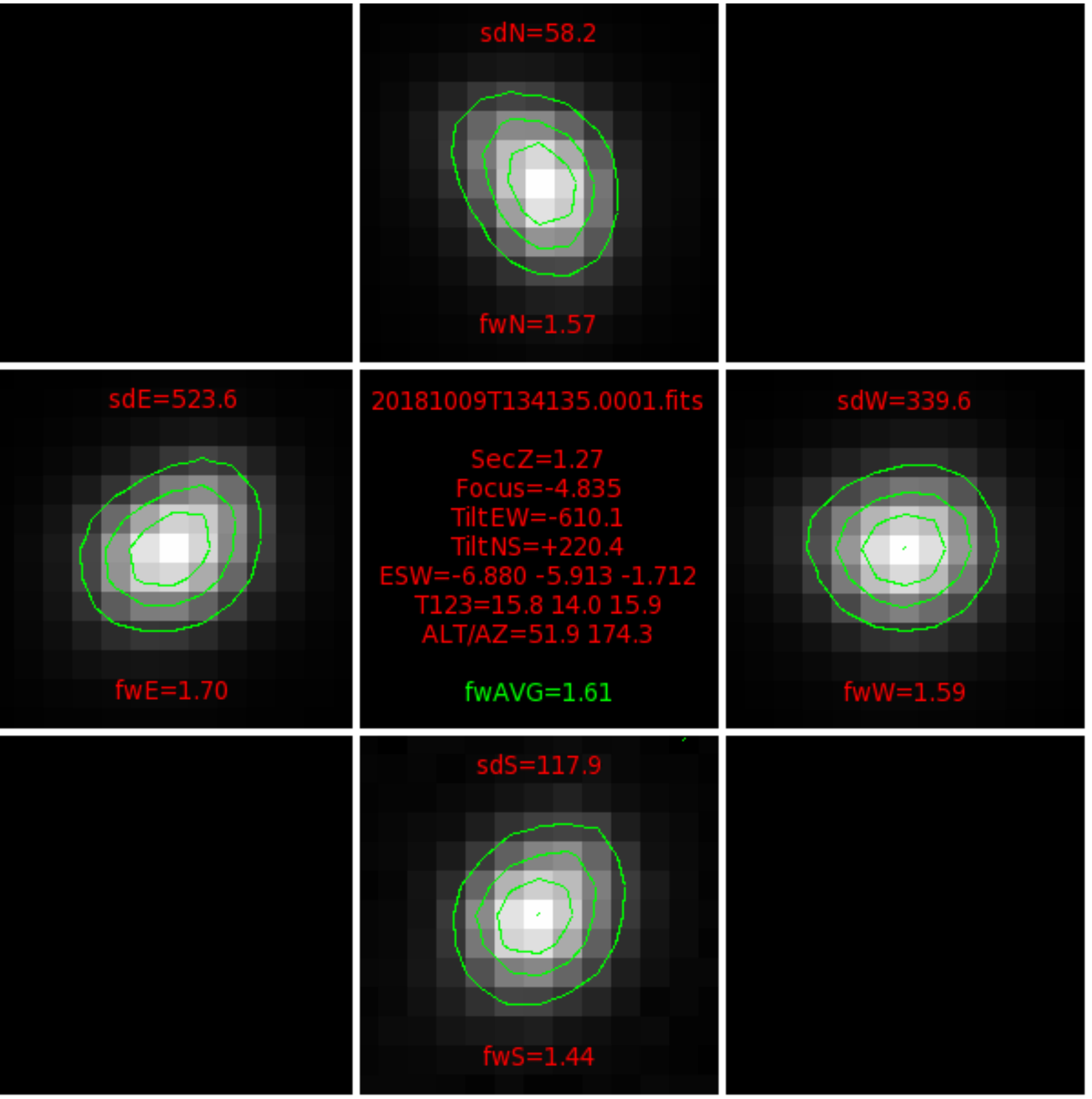
sdN=58.2
fwN=1.57
sdE=523.6
fwE=1.70
20181009T134135.0001.fits
SecZ=1.27
Focus=-4.835
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.880 -5.913 -1.712
T123=15.8 14.0 15.9
ALT/AZ=51.9 174.3
fwAVG=1.61
sdW=339.6
fwW=1.59
sdS=117.9
fwS=1.44
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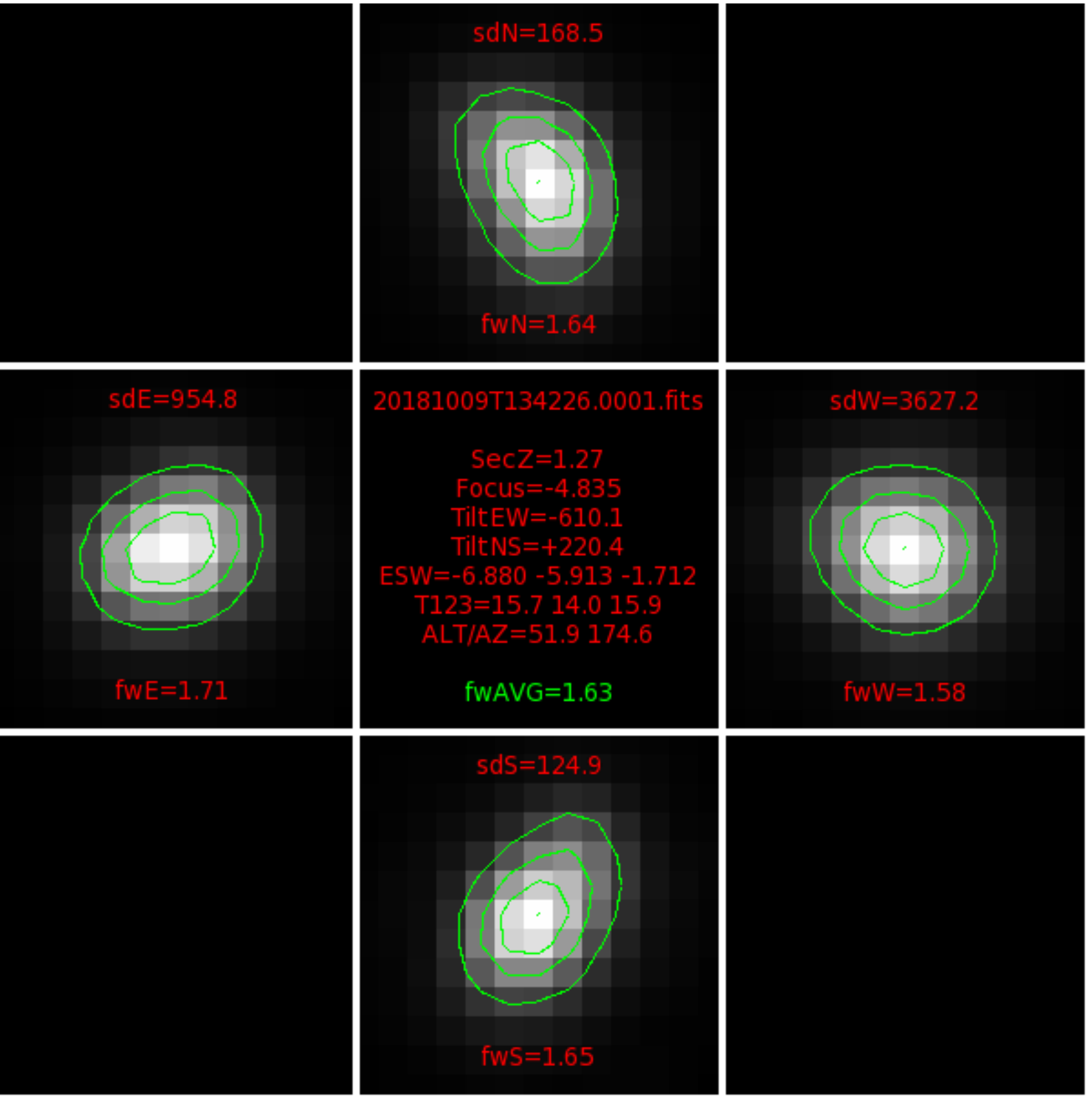
sdN=168.5
fwN=1.64
sdE=954.8
fwE=1.71
20181009T134226.0001.fits
SecZ=1.27
Focus=-4.835
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.880 -5.913 -1.712
T123=15.7 14.0 15.9
ALT/AZ=51.9 174.6
fwAVG=1.63
sdW=3627.2
fwW=1.58
sdS=124.9
fwS=1.65
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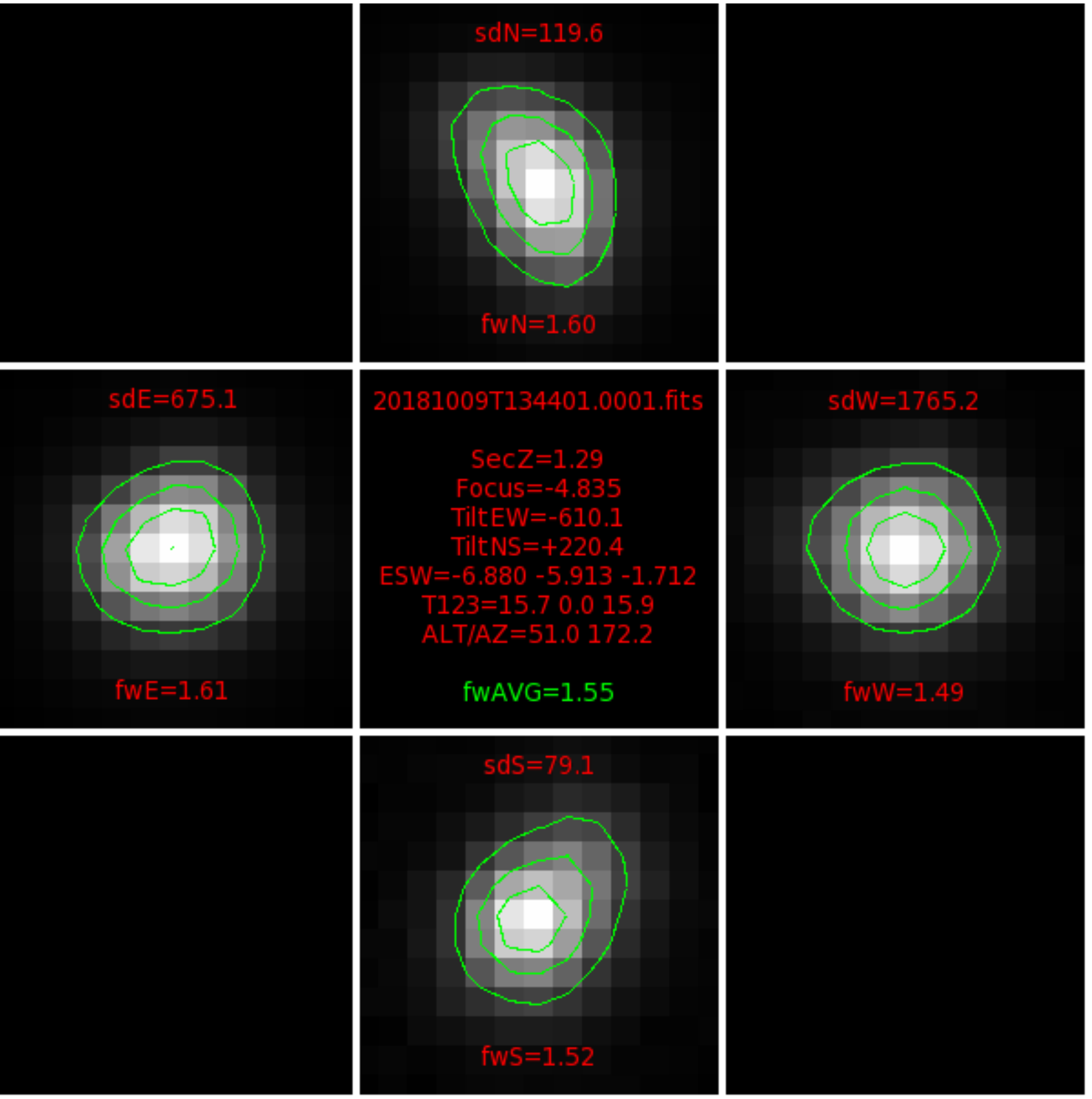
sdN=119.6
fwN=1.60
sdE=675.1
fwE=1.61
20181009T134401.0001.fits
SecZ=1.29
Focus=-4.835
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.880 -5.913 -1.712
T123=15.7 0.0 15.9
ALT/AZ=51.0 172.2
fwAVG=1.55
sdW=1765.2
fwW=1.49
sdS=79.1
fwS=1.52
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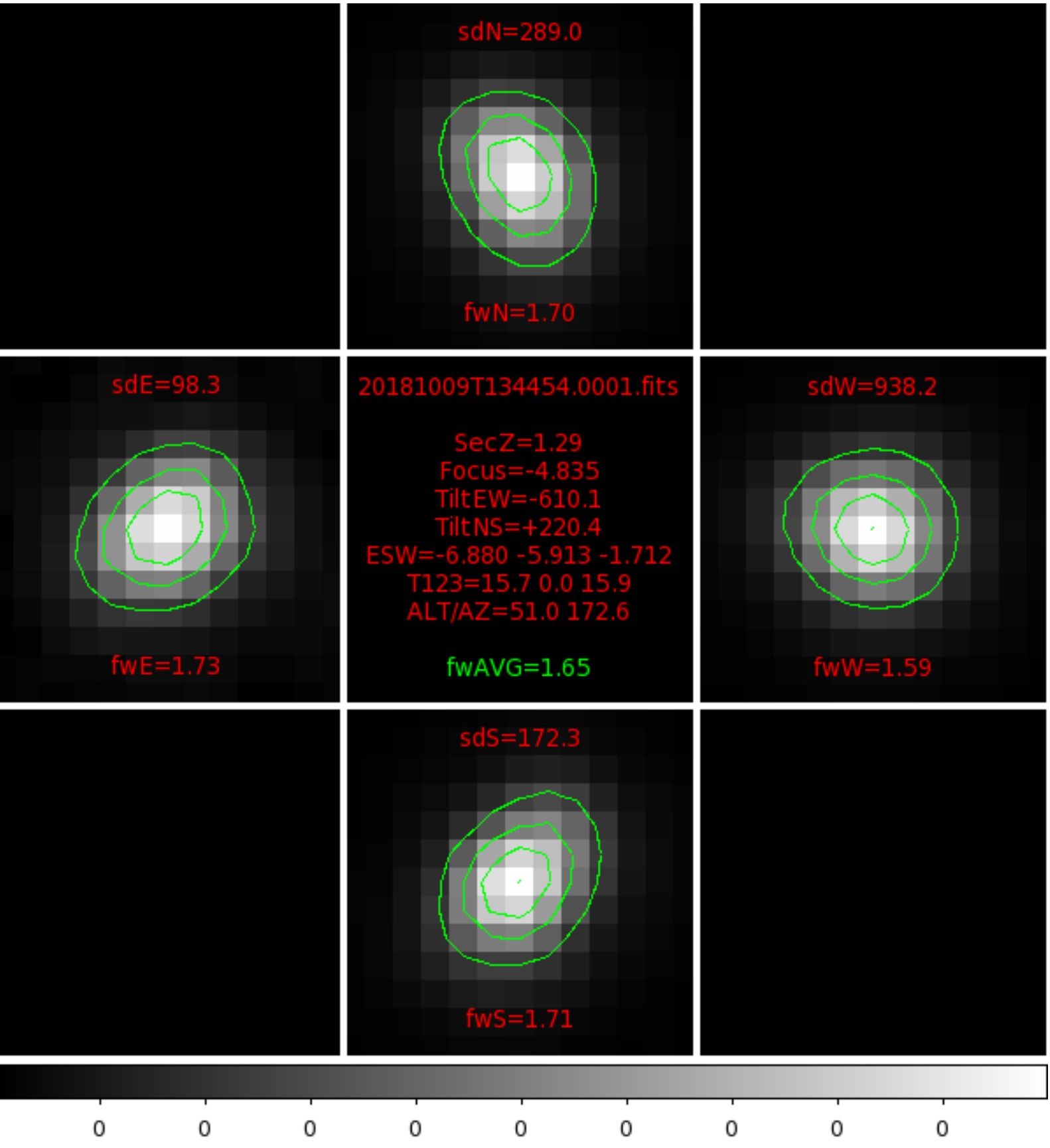
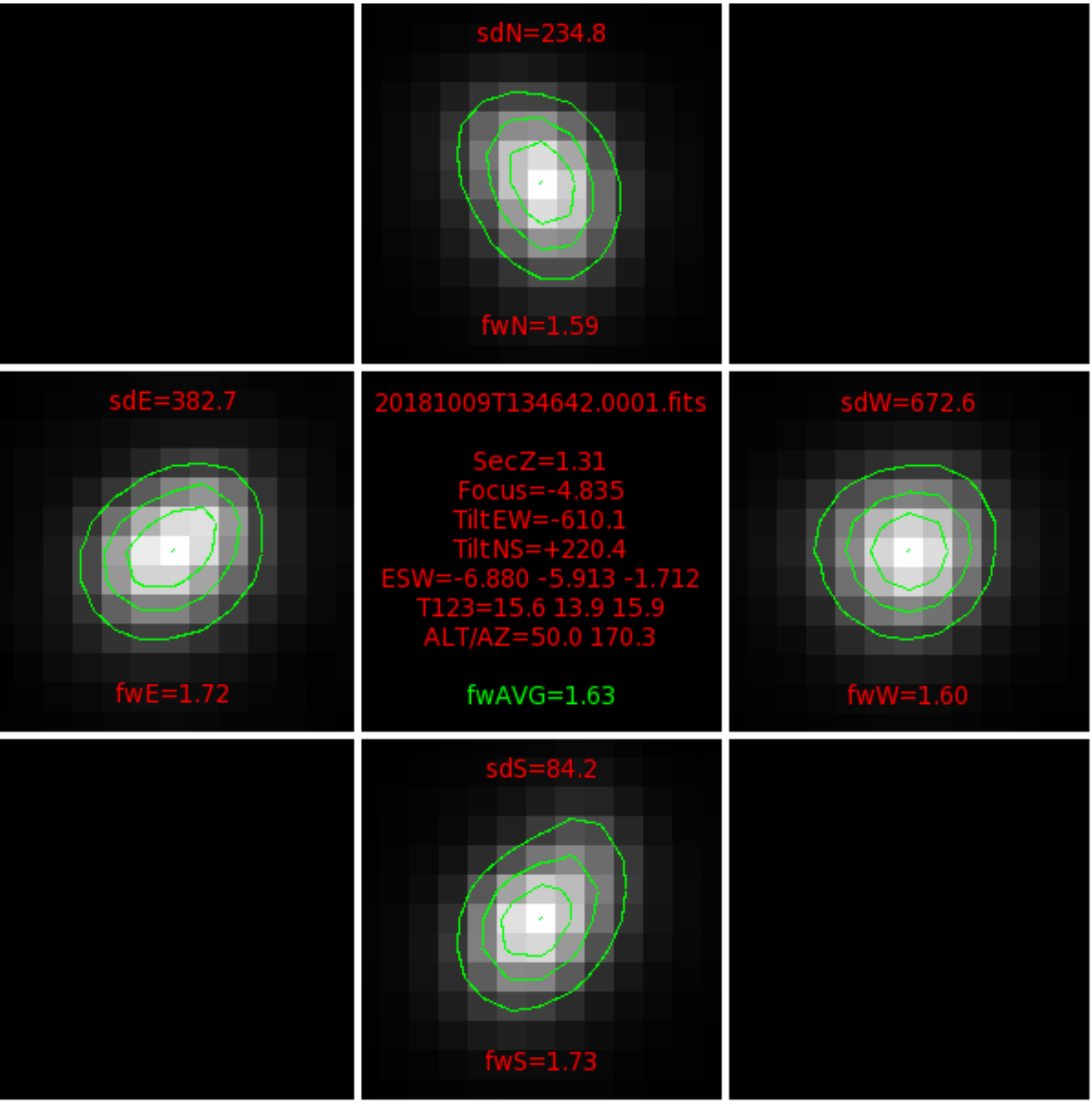

sdN=289.0
fwN=1.70
sdE=98.3
fwE=1.73
20181009T134454.0001.fits
SecZ=1.29
Focus=-4.835
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.880 -5.913 -1.712
T123=15.7 0.0 15.9
ALT/AZ=51.0 172.6
fwAVG=1.65
sdW=938.2
fwW=1.59
sdS=172.3
fwS=1.71
0 0 0 0 0 0 0 0 0


sdN=234.8
fwN=1.59
sdE=382.7
fwE=1.72
20181009T134642.0001.fits
SecZ=1.31
Focus=-4.835
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.880 -5.913 -1.712
T123=15.6 13.9 15.9
ALT/AZ=50.0 170.3
fwAVG=1.63
sdW=672.6
fwW=1.60
sdS=84.2
fwS=1.73
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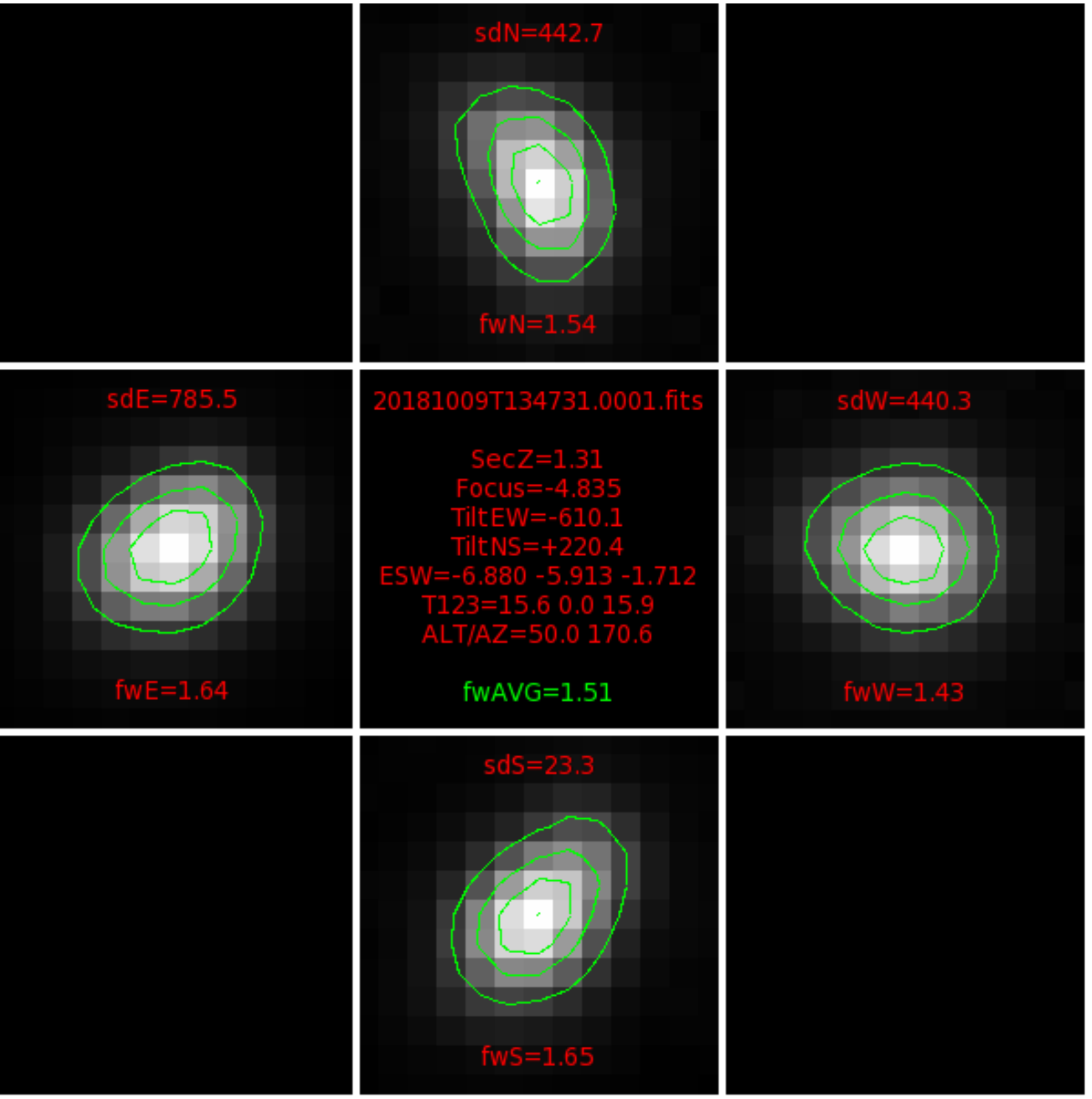
sdN=442.7
fwN=1.54
sdE=785.5
fwE=1.64
20181009T134731.0001.fits
SecZ=1.31
Focus=-4.835
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.880 -5.913 -1.712
T123=15.6 0.0 15.9
ALT/AZ=50.0 170.6
fwAVG=1.51
sdW=440.3
fwW=1.43
sdS=23.3
fwS=1.65
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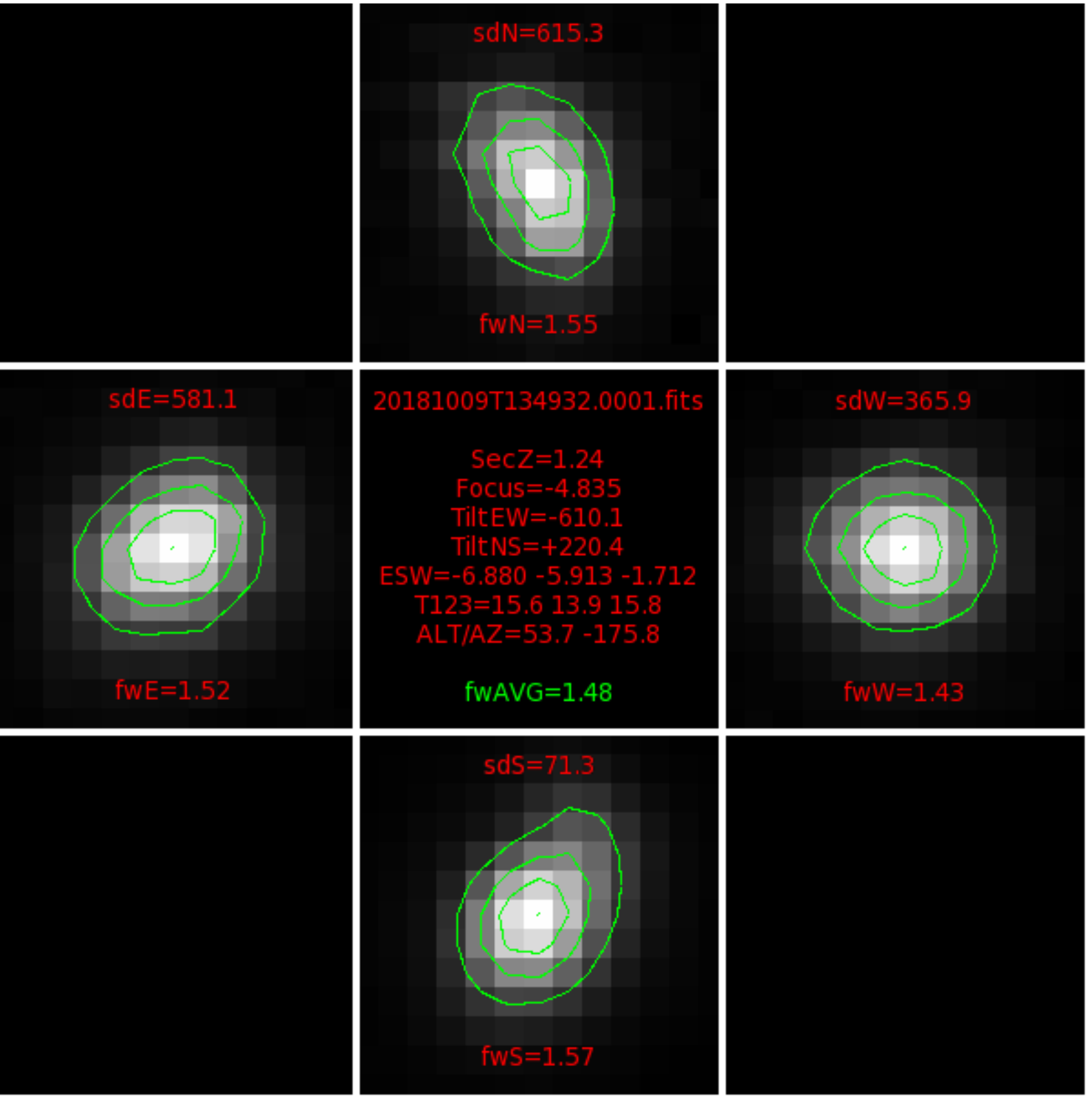
sdN=615.3
fwN=1.55
sdE=581.1
fwE=1.52
20181009T134932.0001.fits
SecZ=1.24
Focus=-4.835
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.880 -5.913 -1.712
T123=15.6 13.9 15.8
ALT/AZ=53.7 -175.8
fwAVG=1.48
sdW=365.9
fwW=1.43
sdS=71.3
fwS=1.57
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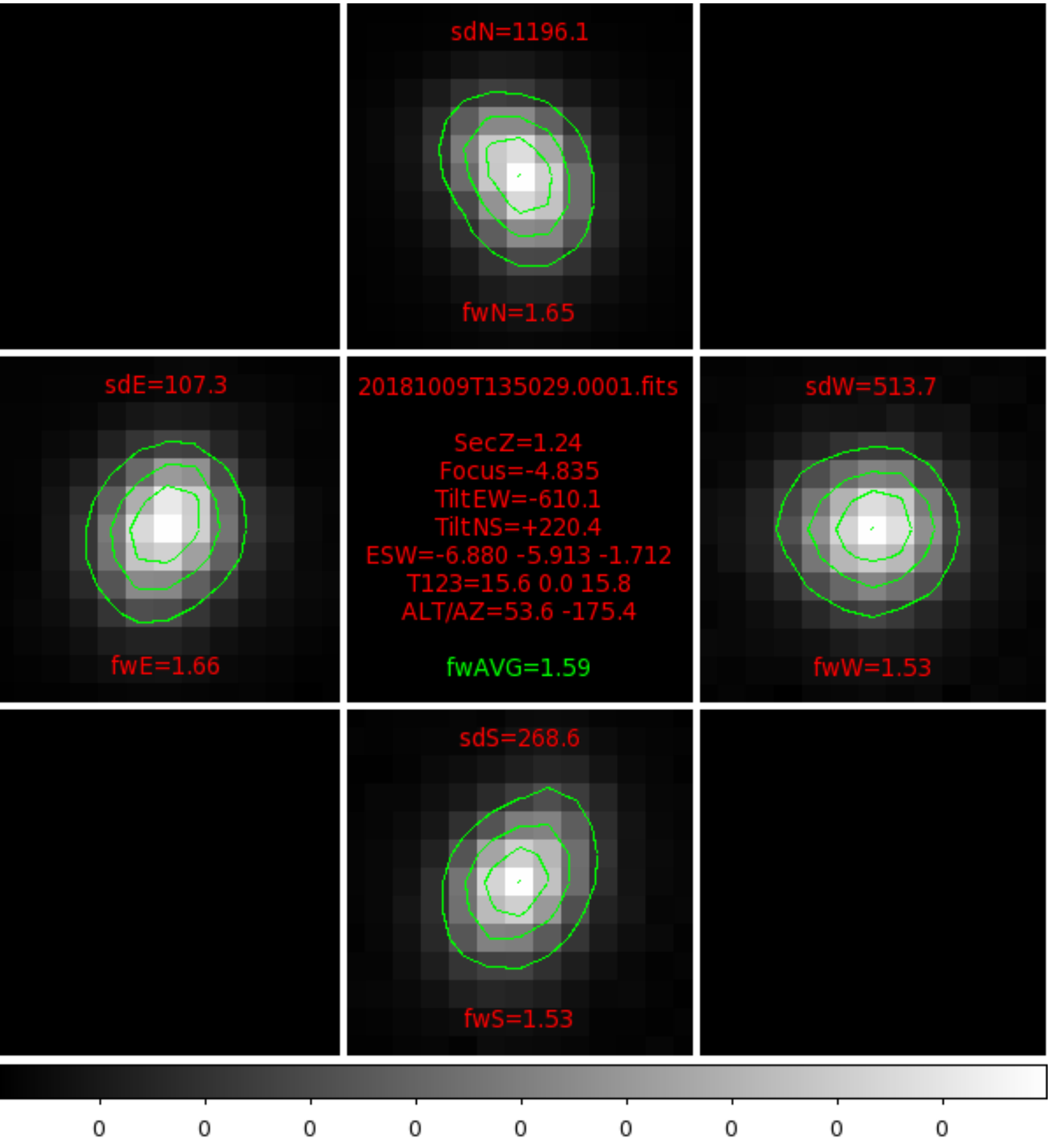
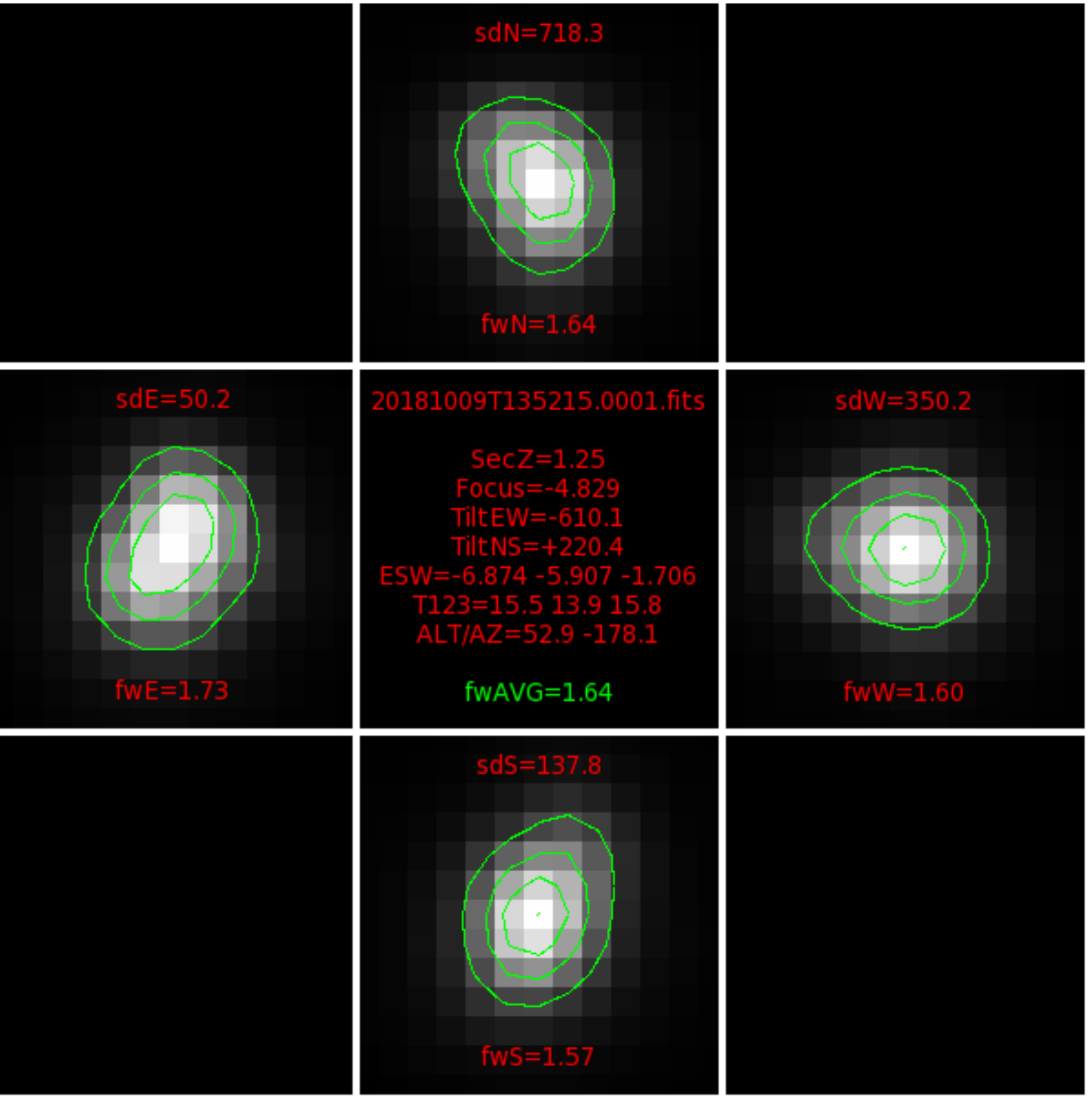

sdN=1196.1
fwN=1.65
sdE=107.3
fwE=1.66
20181009T135029.0001.fits
SecZ=1.24
Focus=-4.835
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.880 -5.913 -1.712
T123=15.6 0.0 15.8
ALT/AZ=53.6 -175.4
fwAVG=1.59
sdW=513.7
fwW=1.53
sdS=268.6
fwS=1.53
0 0 0 0 0 0 0 0 0


sdN=718.3
fwN=1.64
sdE=50.2
fwE=1.73
20181009T135215.0001.fits
SecZ=1.25
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.5 13.9 15.8
ALT/AZ=52.9 -178.1
fwAVG=1.64
sdW=350.2
fwW=1.60
sdS=137.8
fwS=1.57
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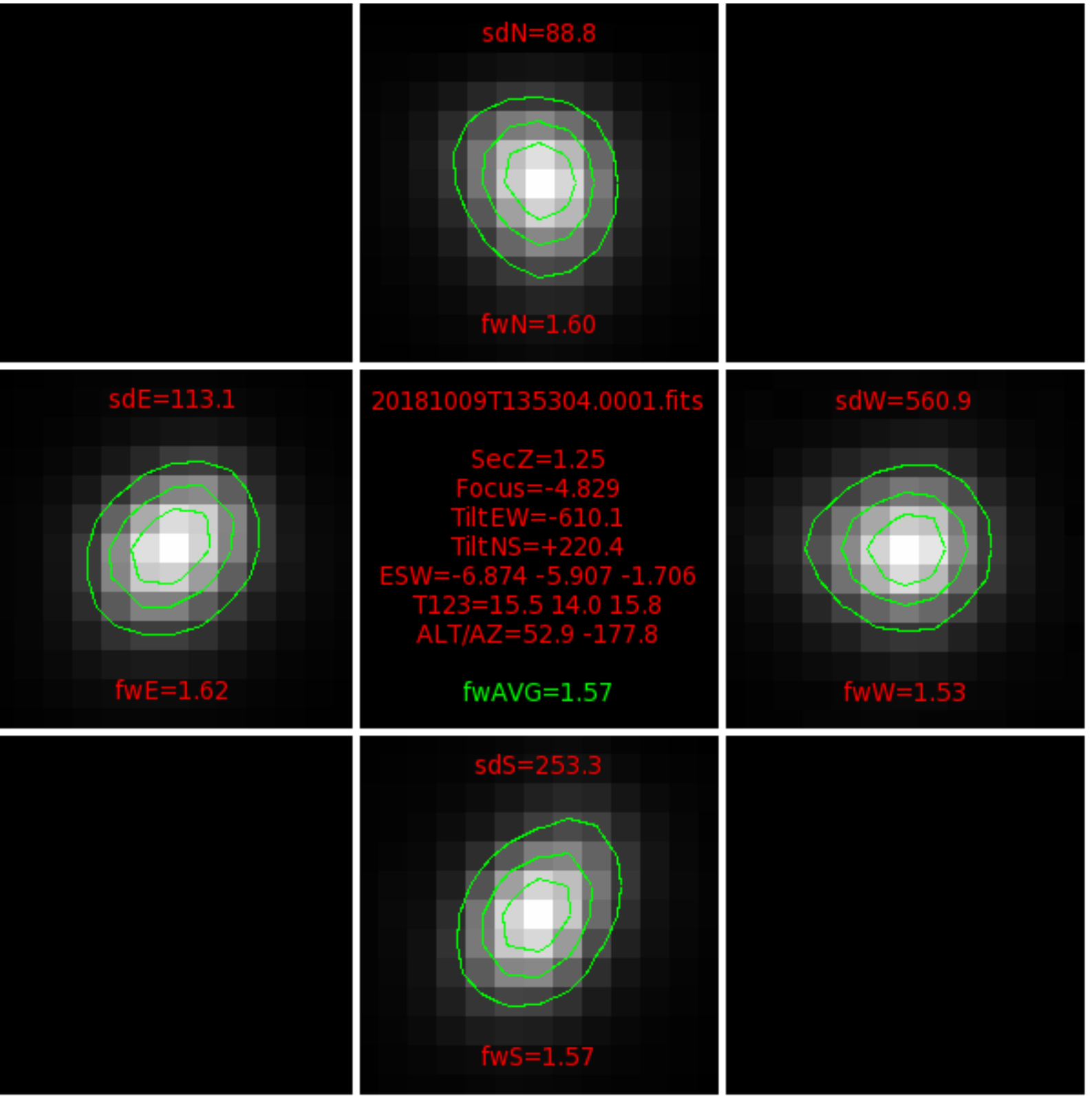
sdN=88.8
fwN=1.60
sdE=113.1
fwE=1.62
20181009T135304.0001.fits
SecZ=1.25
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.5 14.0 15.8
ALT/AZ=52.9 -177.8
fwAVG=1.57
sdW=560.9
fwW=1.53
sdS=253.3
fwS=1.57
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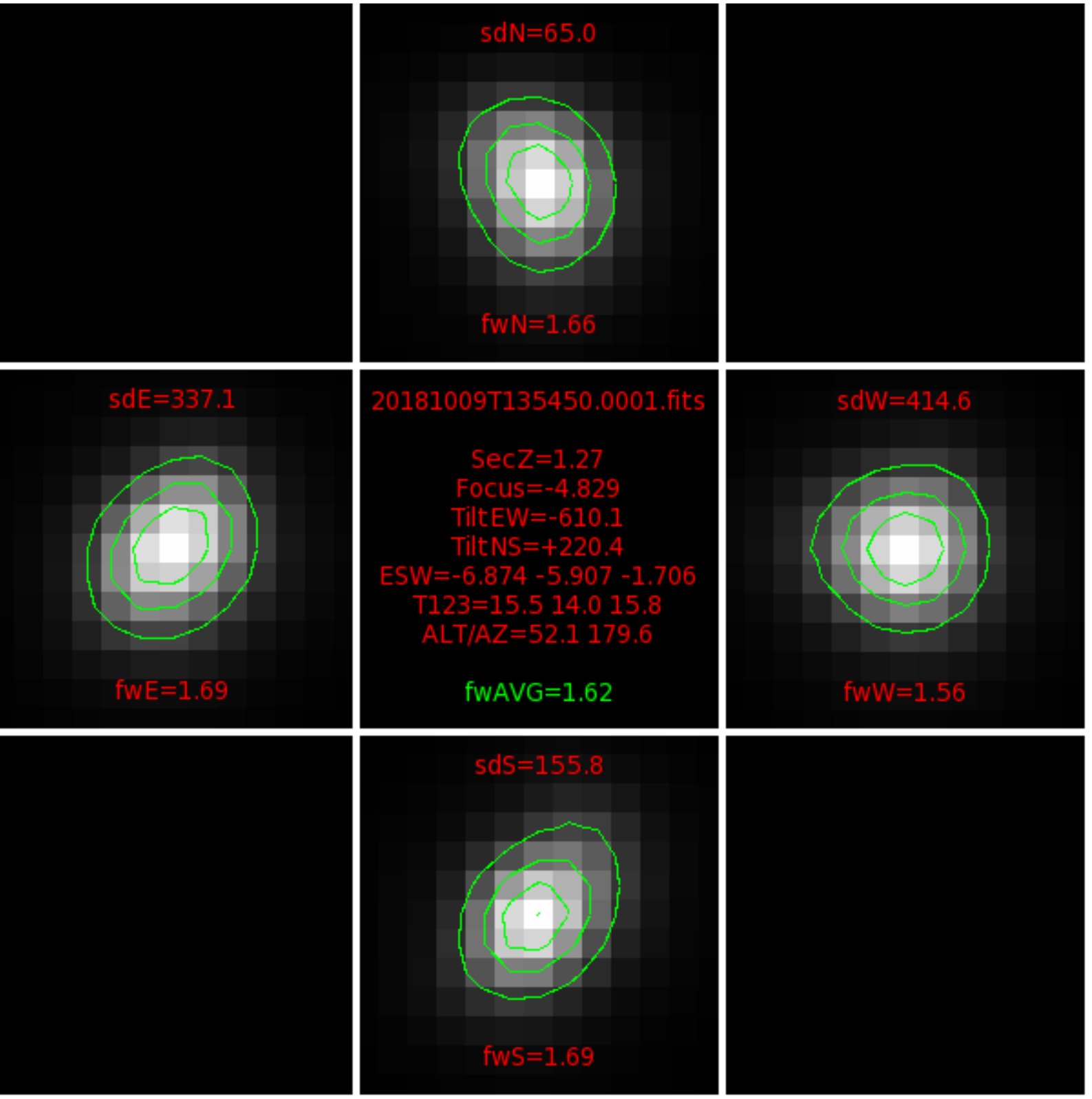
sdN=65.0
fwN=1.66
sdE=337.1
fwE=1.69
20181009T135450.0001.fits
SecZ=1.27
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.5 14.0 15.8
ALT/AZ=52.1 179.6
fwAVG=1.62
sdW=414.6
fwW=1.56
sdS=155.8
fwS=1.69
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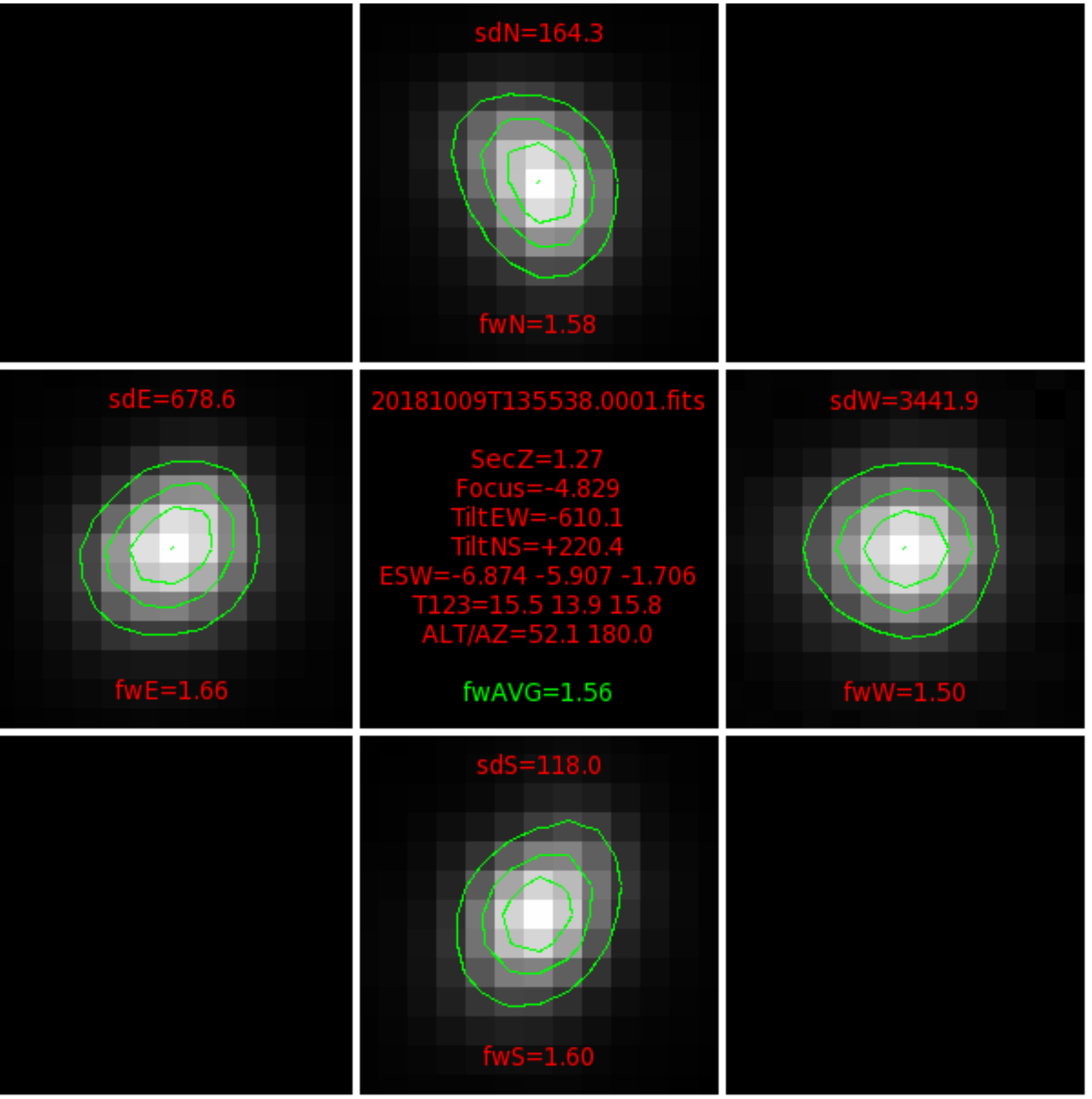
sdN=164.3
fwN=1.58
sdE=678.6
fwE=1.66
20181009T135538.0001.fits
SecZ=1.27
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.5 13.9 15.8
ALT/AZ=52.1 180.0
fwAVG=1.56
sdW=3441.9
fwW=1.50
sdS=118.0
fwS=1.60
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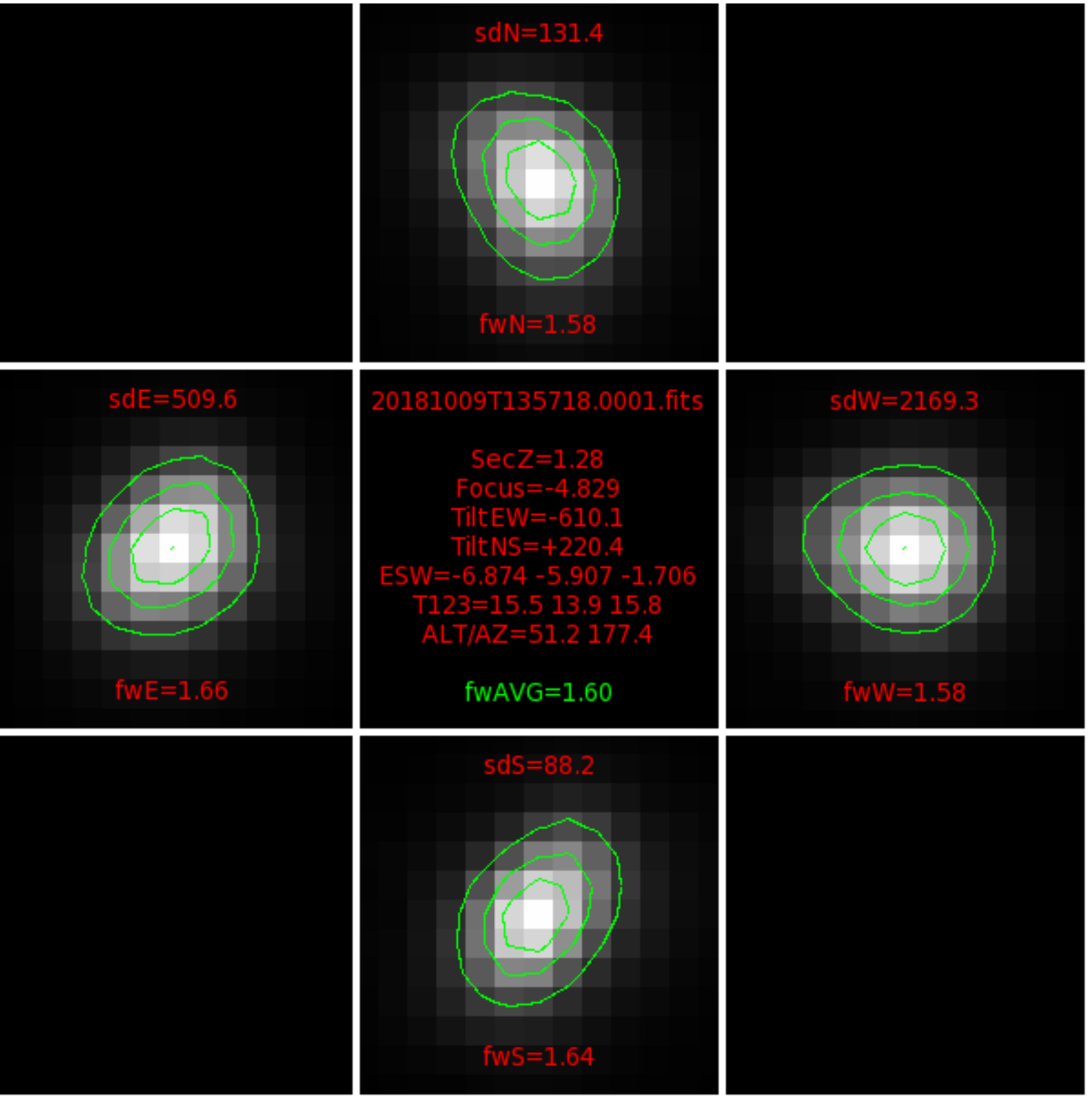
sdN=131.4
fwN=1.58
sdE=509.6
fwE=1.66
20181009T135718.0001.fits
SecZ=1.28
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.5 13.9 15.8
ALT/AZ=51.2 177.4
fwAVG=1.60
sdW=2169.3
fwW=1.58
sdS=88.2
fwS=1.64
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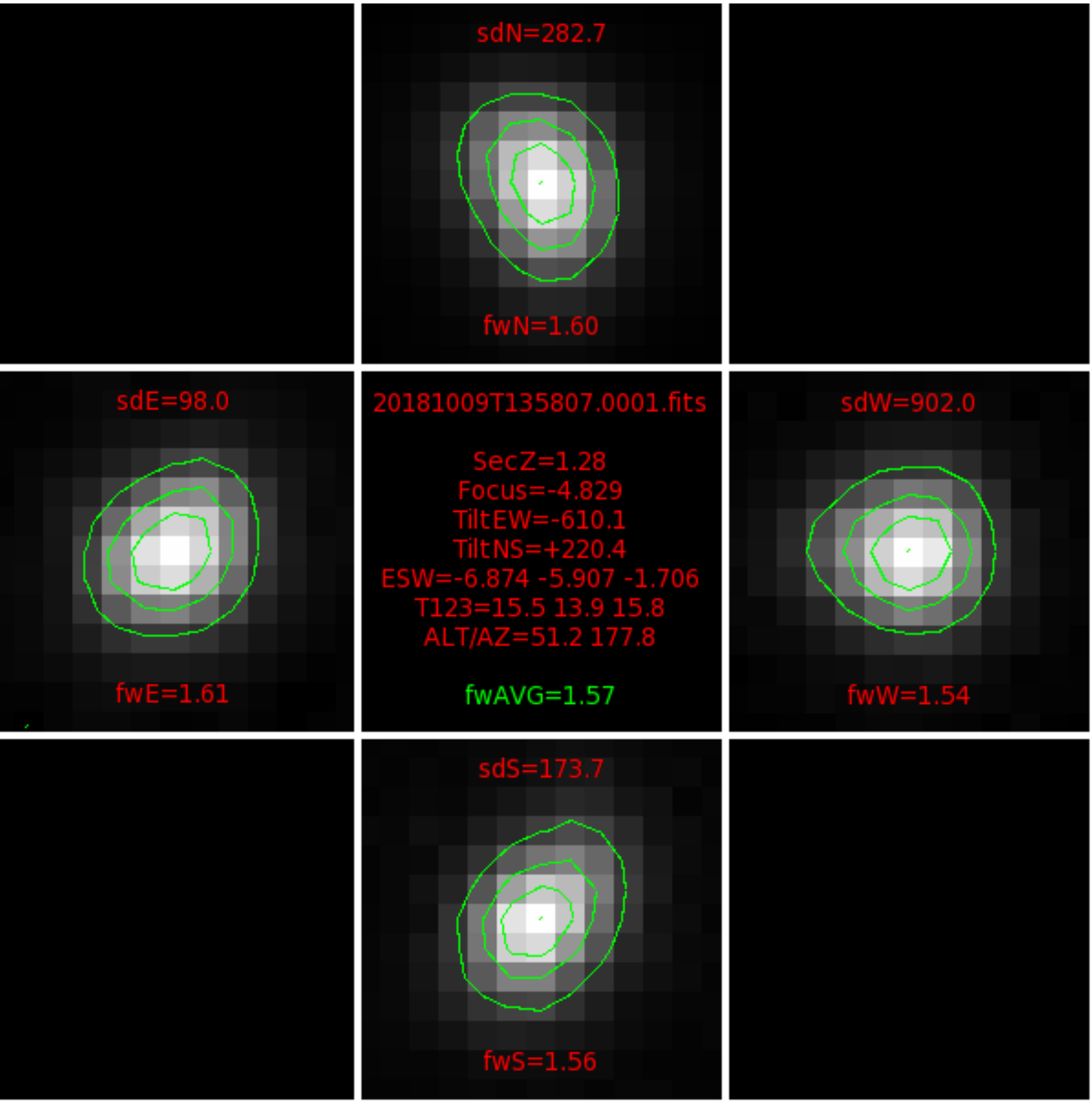
sdN=282.7
fwN=1.60
sdE=98.0
fwE=1.61
20181009T135807.0001.fits
SecZ=1.28
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.5 13.9 15.8
ALT/AZ=51.2 177.8
fwAVG=1.57
sdW=902.0
fwW=1.54
sdS=173.7
fwS=1.56
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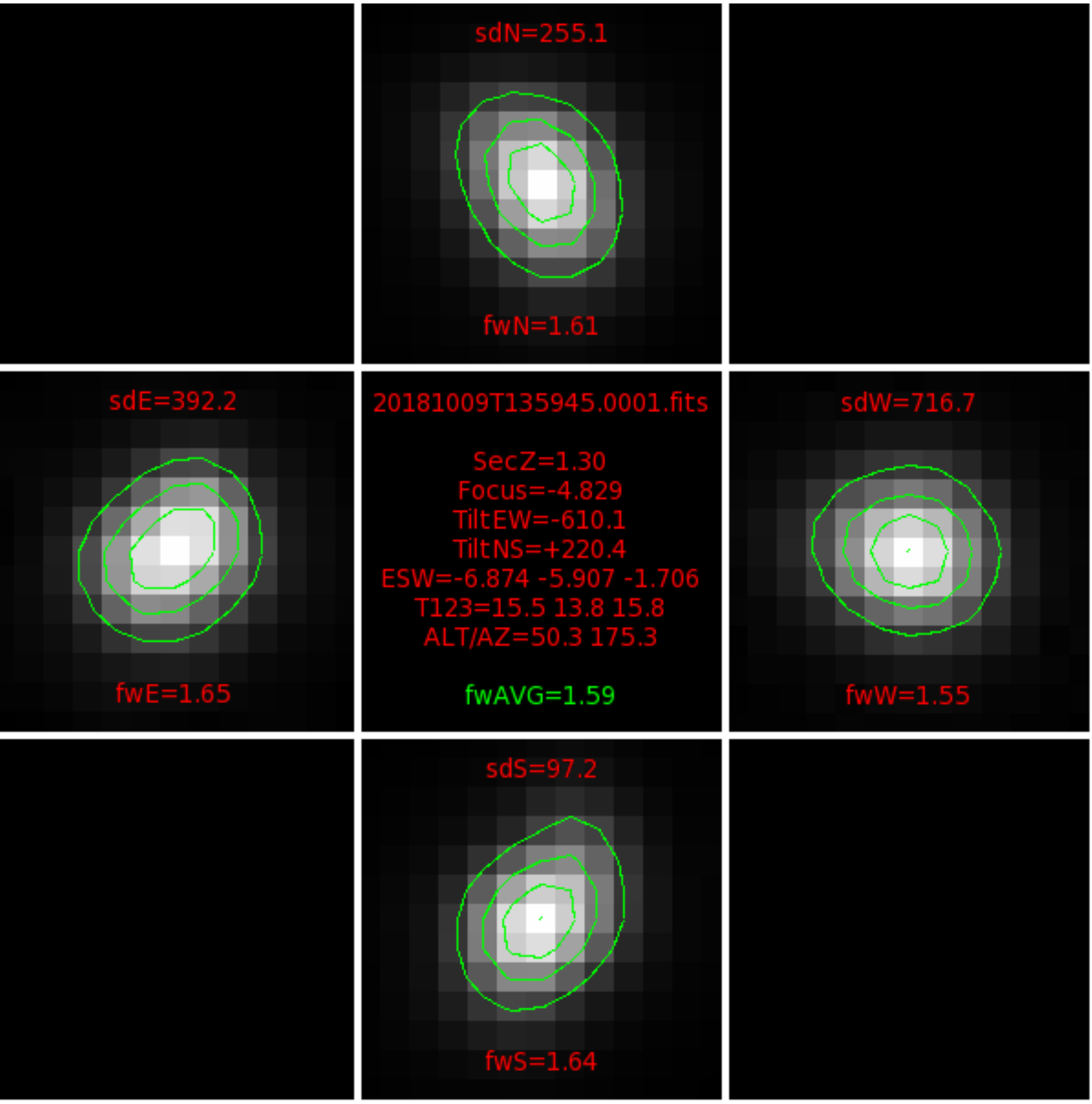
sdN=255.1
fwN=1.61
sdE=392.2
fwE=1.65
20181009T135945.0001.fits
SecZ=1.30
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.5 13.8 15.8
ALT/AZ=50.3 175.3
fwAVG=1.59
sdW=716.7
fwW=1.55
sdS=97.2
fwS=1.64
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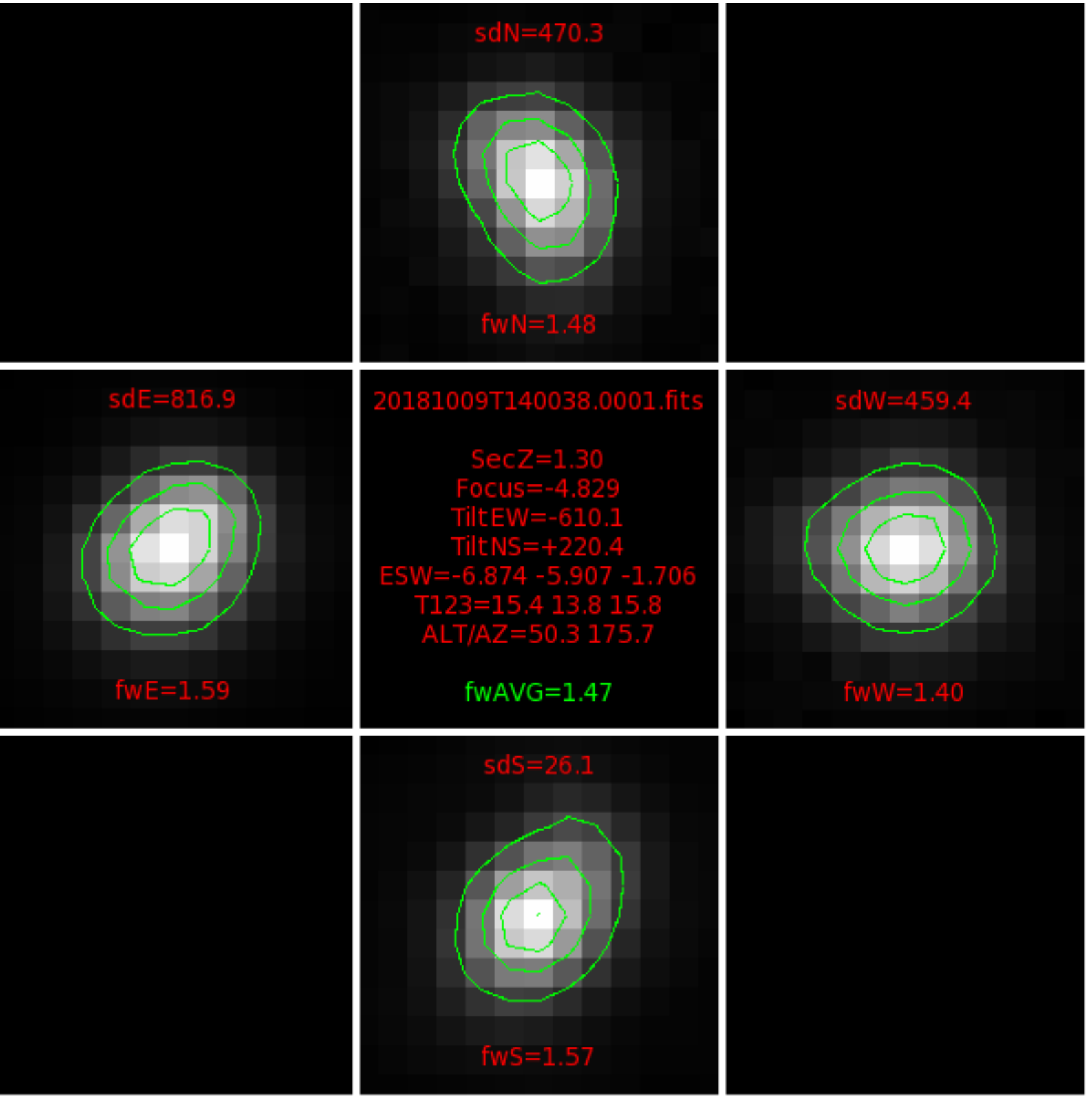
sdN=470.3
fwN=1.48
sdE=816.9
fwE=1.59
20181009T140038.0001.fits
SecZ=1.30
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.4 13.8 15.8
ALT/AZ=50.3 175.7
fwAVG=1.47
sdW=459.4
fwW=1.40
sdS=26.1
fwS=1.57
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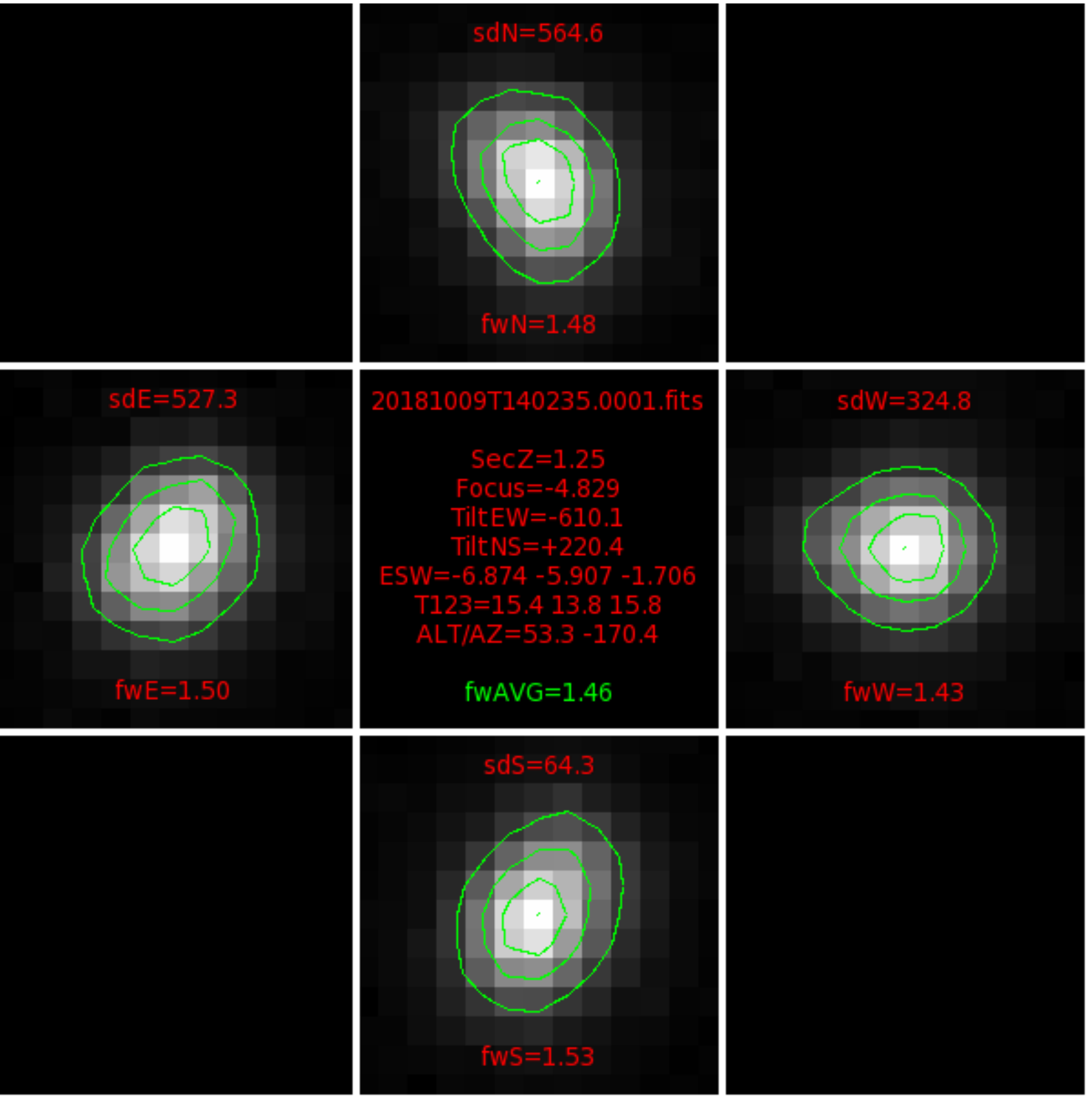
sdN=564.6
fwN=1.48
sdE=527.3
fwE=1.50
20181009T140235.0001.fits
SecZ=1.25
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.4 13.8 15.8
ALT/AZ=53.3 -170.4
fwAVG=1.46
sdW=324.8
fwW=1.43
sdS=64.3
fwS=1.53
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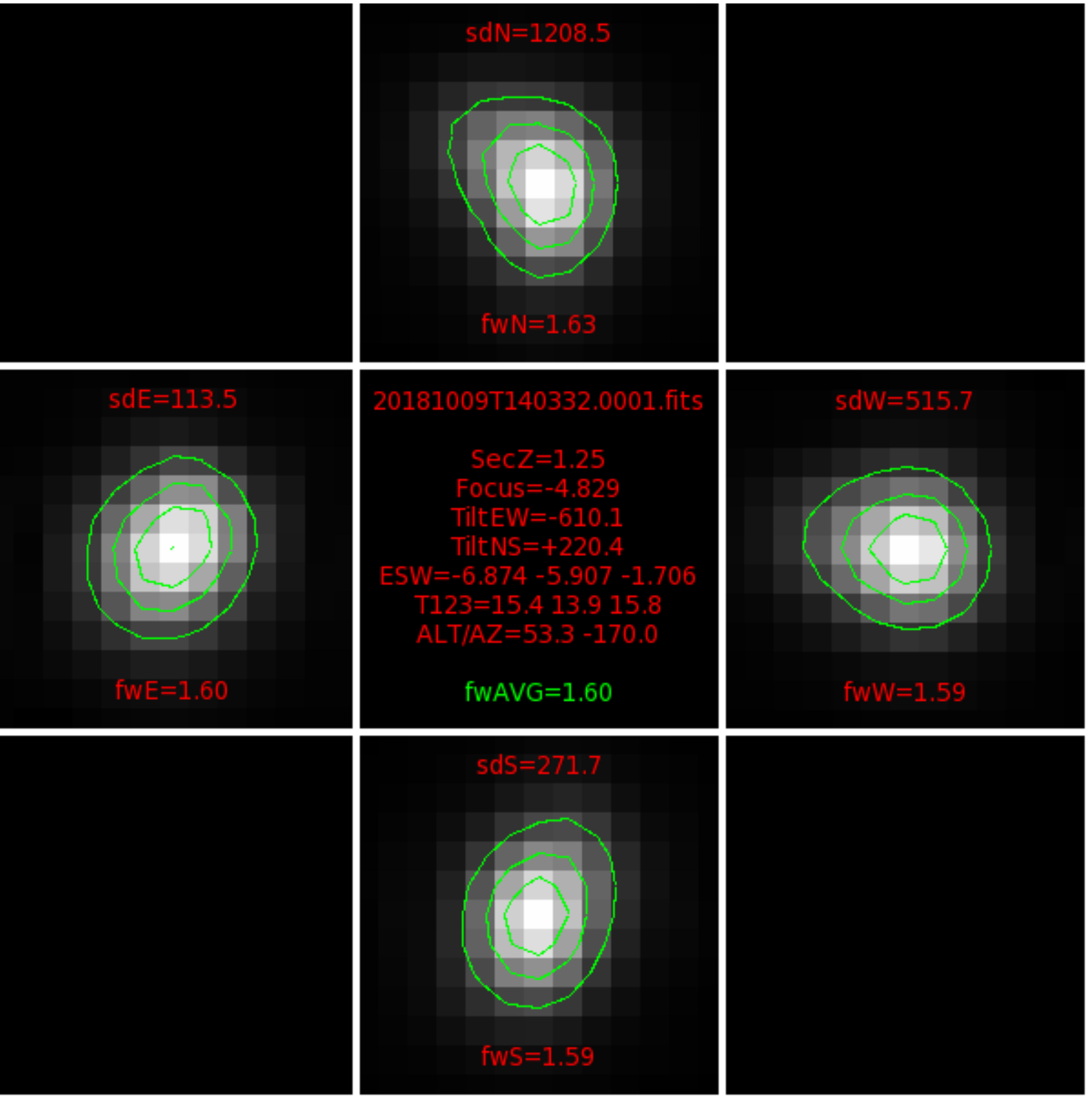
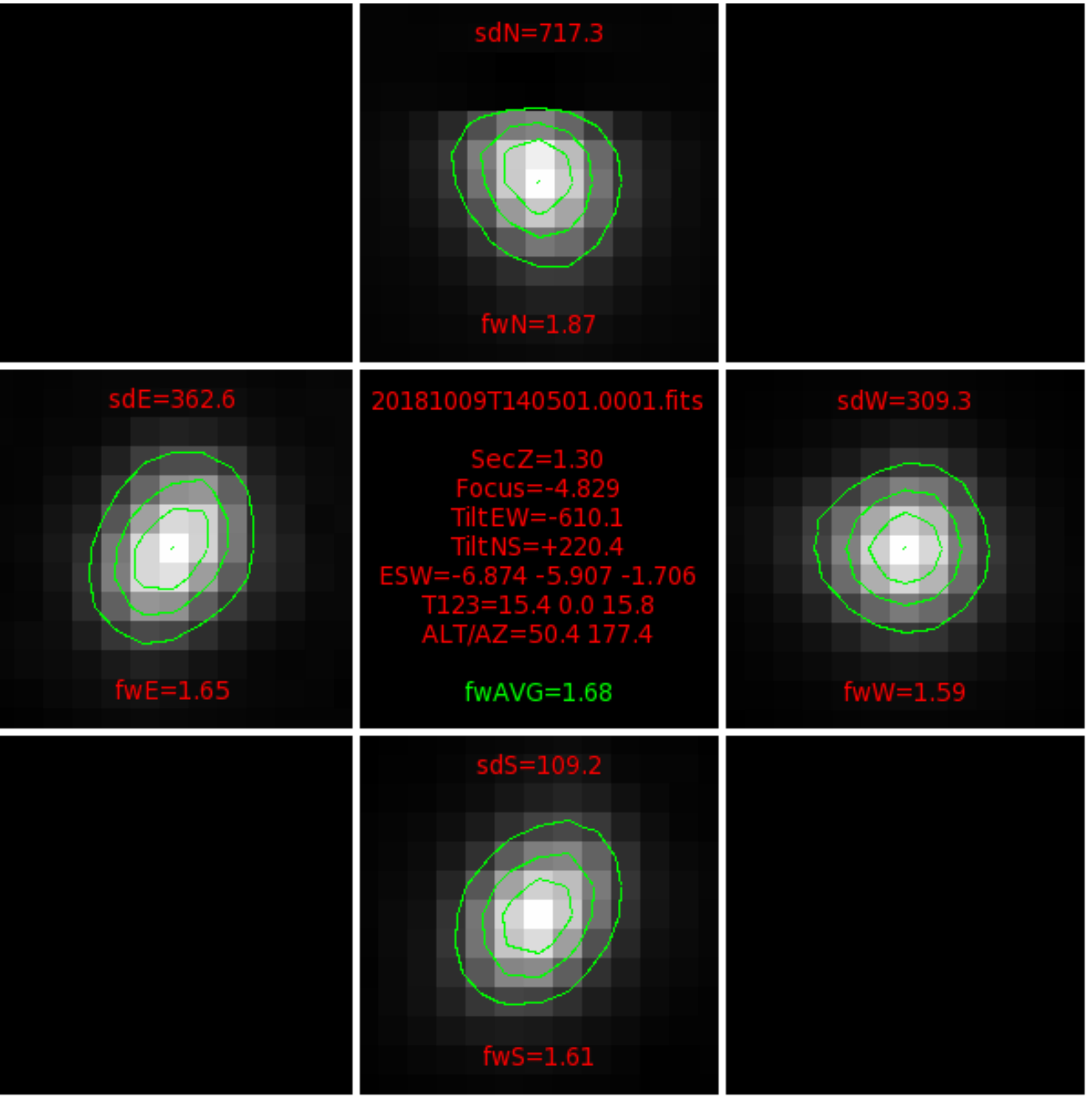

sdN=1208.5
fwN=1.63
sdE=113.5
fwE=1.60
20181009T140332.0001.fits
SecZ=1.25
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.4 13.9 15.8
ALT/AZ=53.3 -170.0
fwAVG=1.60
sdW=515.7
fwW=1.59
sdS=271.7
fwS=1.59
0 0 0 0 0 0 0 0 0


sdN=717.3
fwN=1.87
sdE=362.6
fwE=1.65
20181009T140501.0001.fits
SecZ=1.30
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.4 0.0 15.8
ALT/AZ=50.4 177.4
fwAVG=1.68
sdW=309.3
fwW=1.59
sdS=109.2
fwS=1.61
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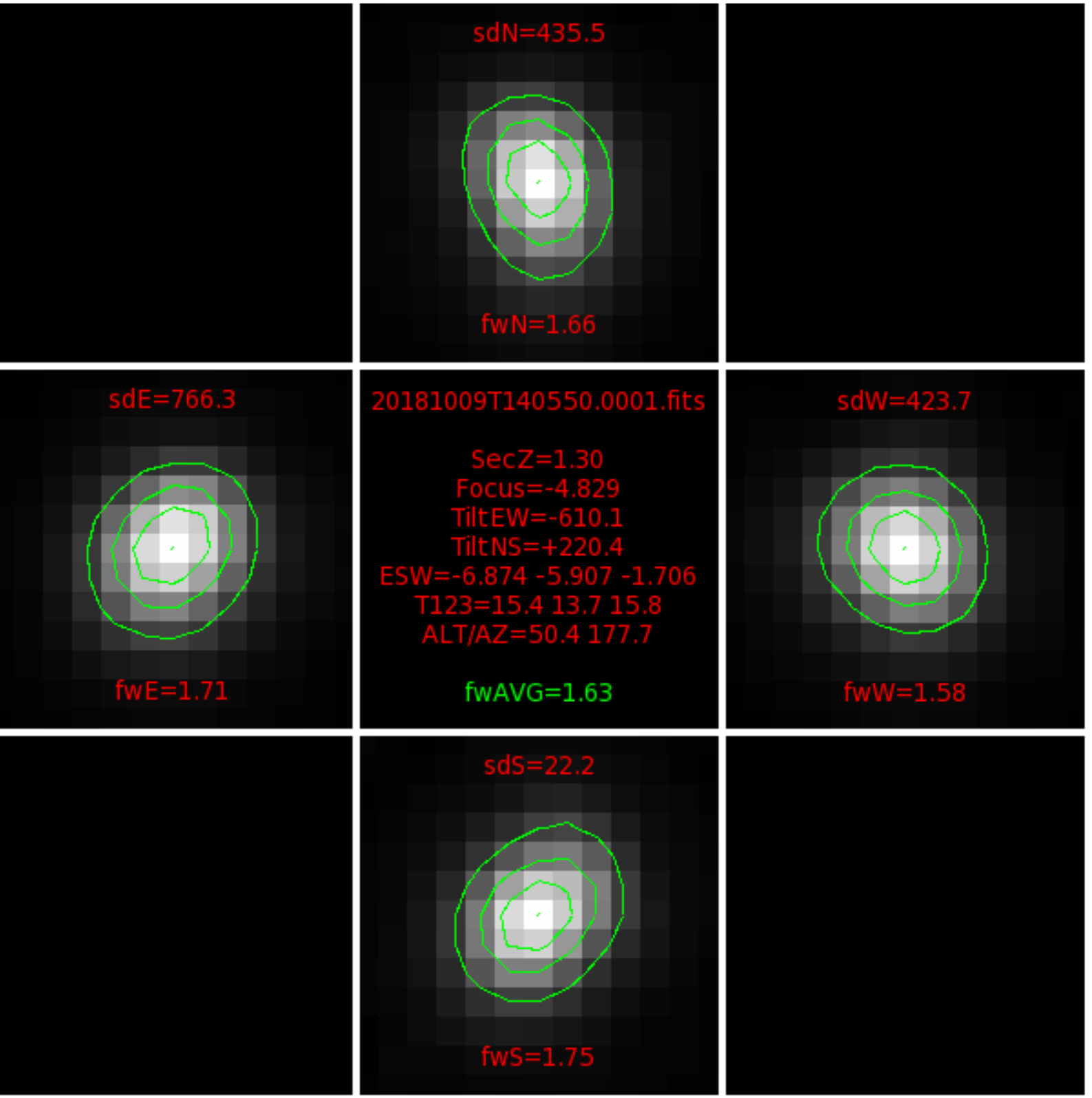
sdN=435.5
fwN=1.66
sdE=766.3
fwE=1.71
20181009T140550.0001.fits
SecZ=1.30
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.4 13.7 15.8
ALT/AZ=50.4 177.7
fwAVG=1.63
sdW=423.7
fwW=1.58
sdS=22.2
fwS=1.75
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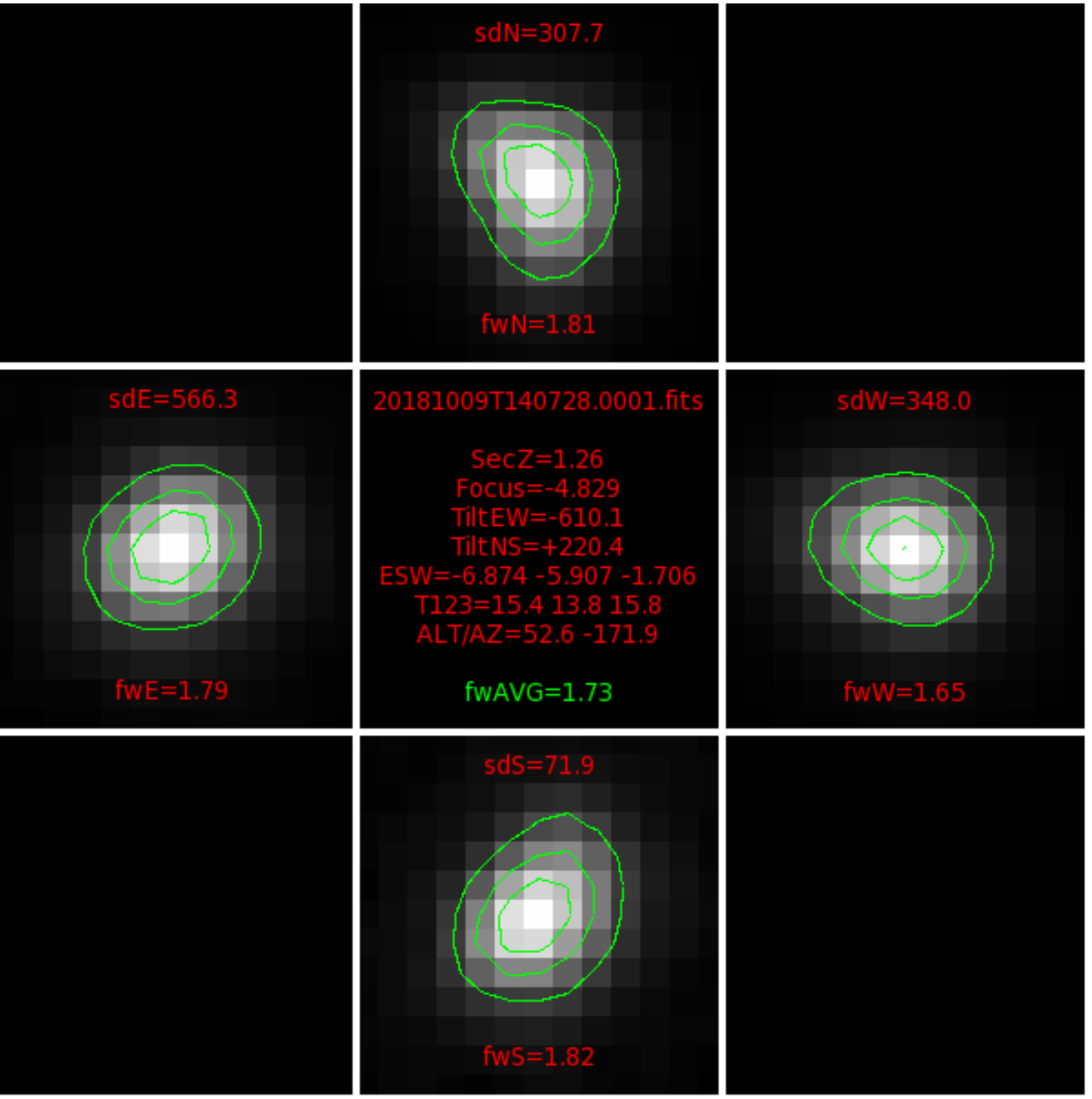
sdN=307.7
fwN=1.81
sdE=566.3
fwE=1.79
20181009T140728.0001.fits
SecZ=1.26
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.4 13.8 15.8
ALT/AZ=52.6 -171.9
fwAVG=1.73
sdW=348.0
fwW=1.65
sdS=71.9
fwS=1.82
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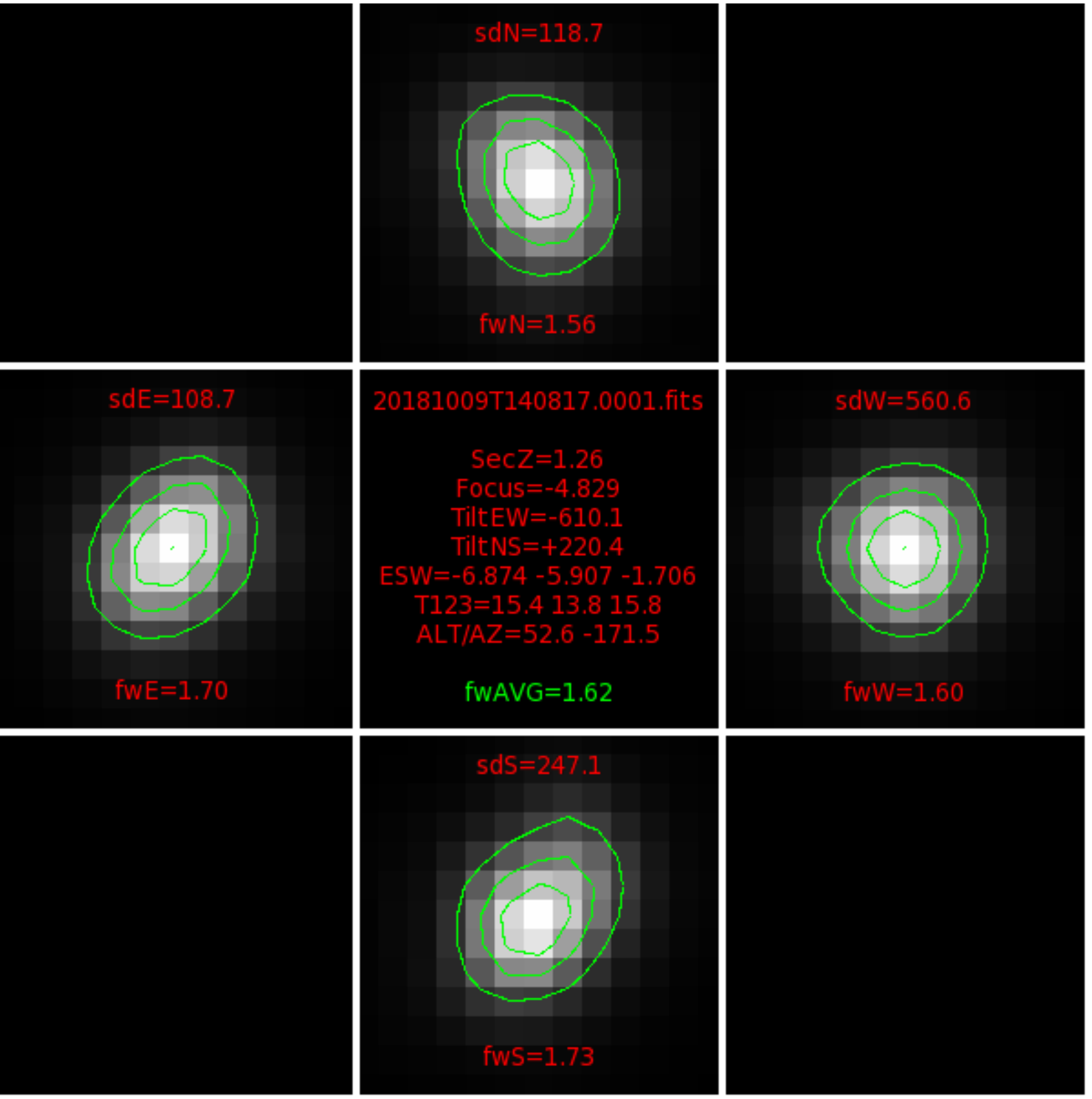
sdN=118.7
fwN=1.56
sdE=108.7
fwE=1.70
20181009T140817.0001.fits
SecZ=1.26
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.4 13.8 15.8
ALT/AZ=52.6 -171.5
fwAVG=1.62
sdW=560.6
fwW=1.60
sdS=247.1
fwS=1.73
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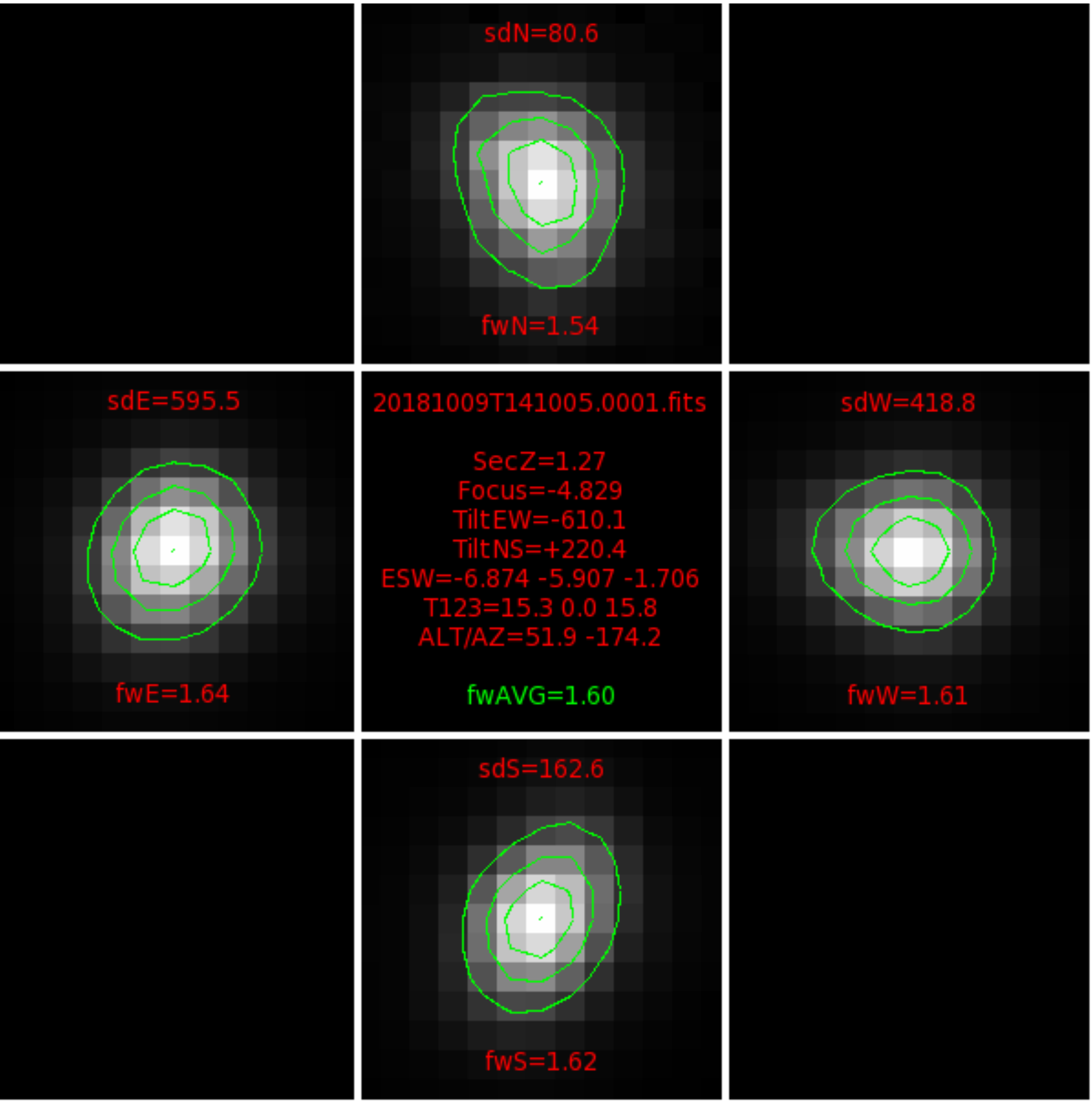
sdN=80.6
fwN=1.54
sdE=595.5
fwE=1.64
20181009T141005.0001.fits
SecZ=1.27
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.3 0.0 15.8
ALT/AZ=51.9 -174.2
fwAVG=1.60
sdW=418.8
fwW=1.61
sdS=162.6
fwS=1.62
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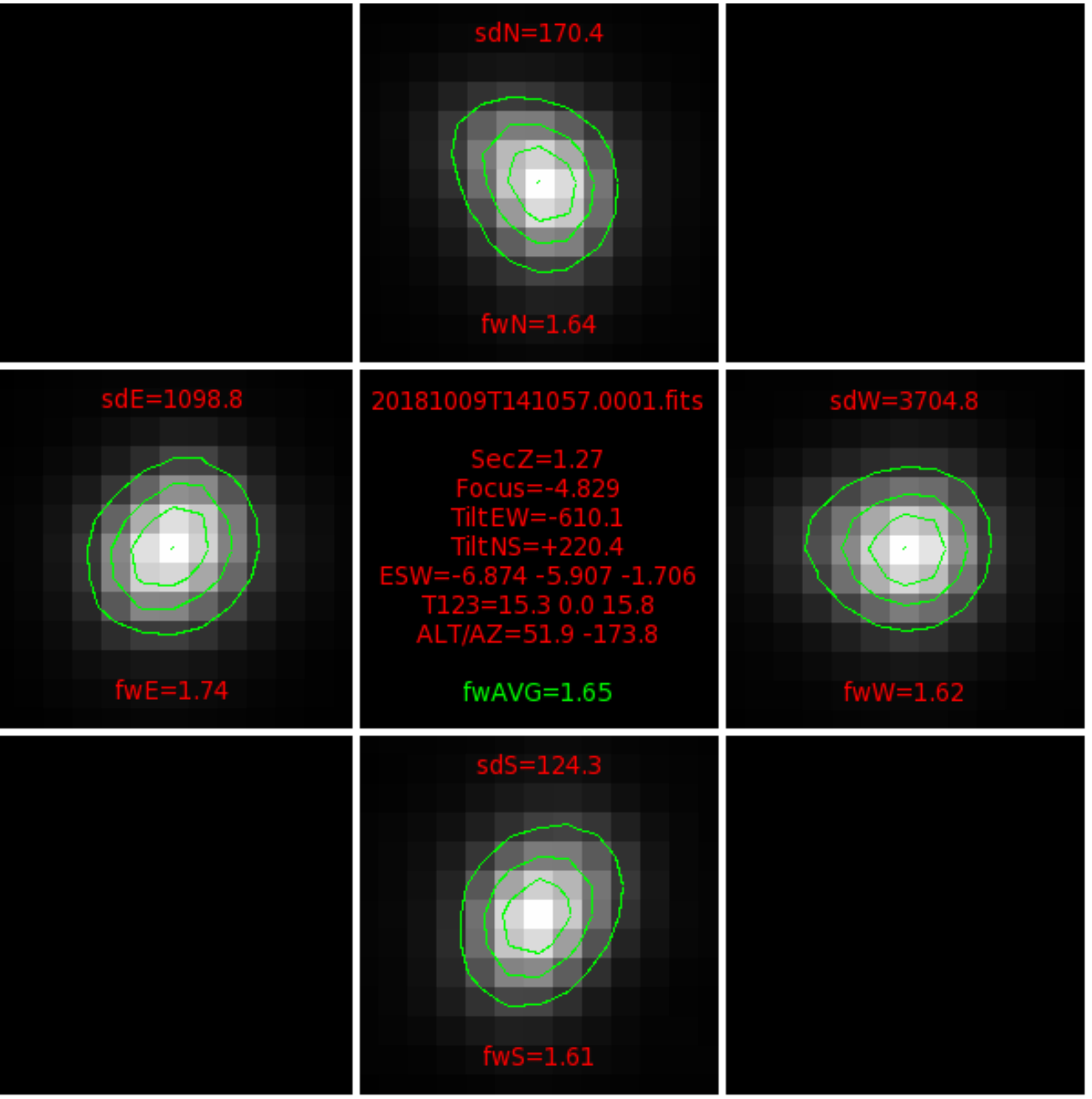
sdN=170.4
fwN=1.64
sdE=1098.8
fwE=1.74
20181009T141057.0001.fits
SecZ=1.27
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.3 0.0 15.8
ALT/AZ=51.9 -173.8
fwAVG=1.65
sdW=3704.8
fwW=1.62
sdS=124.3
fwS=1.61
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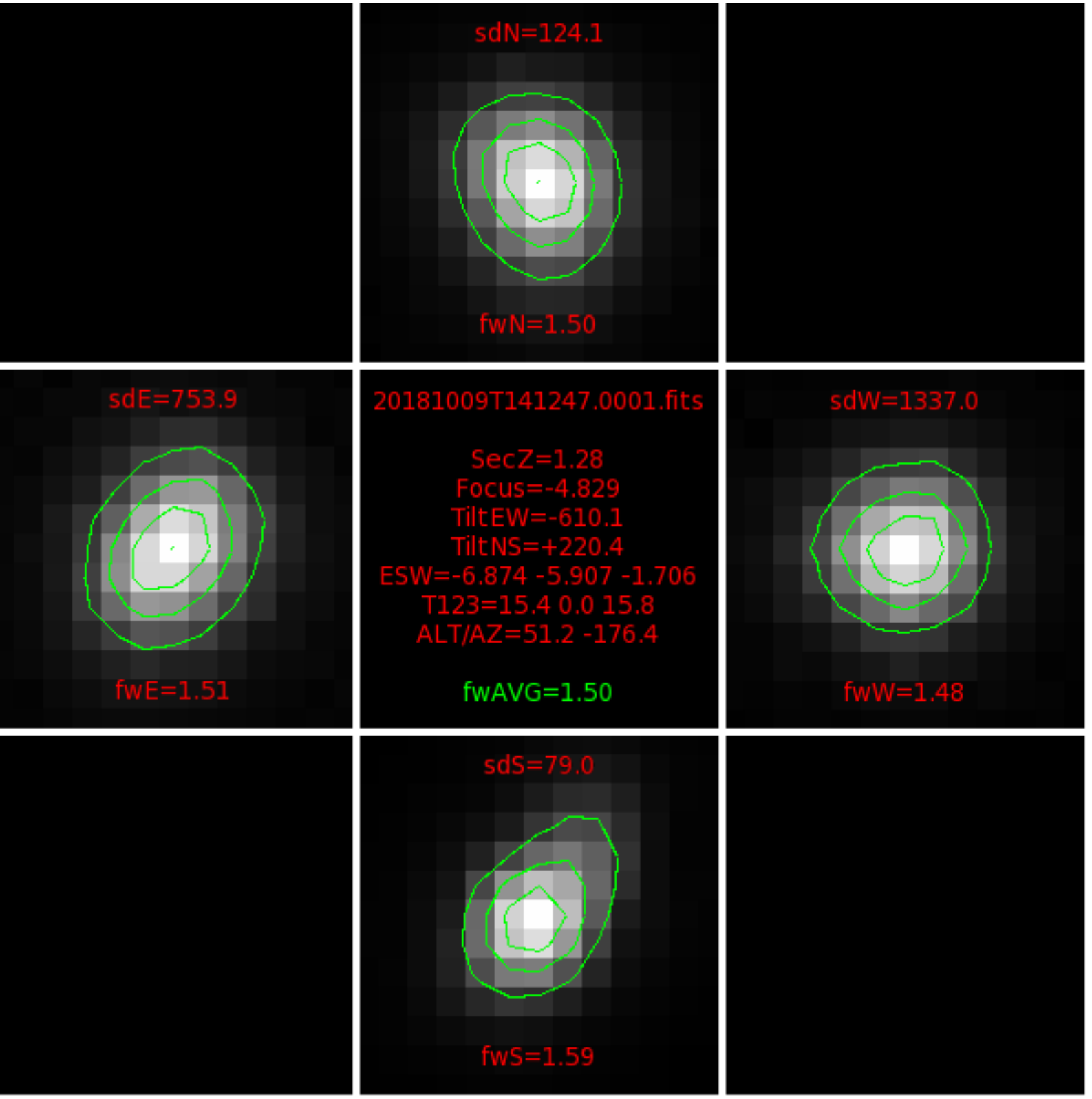
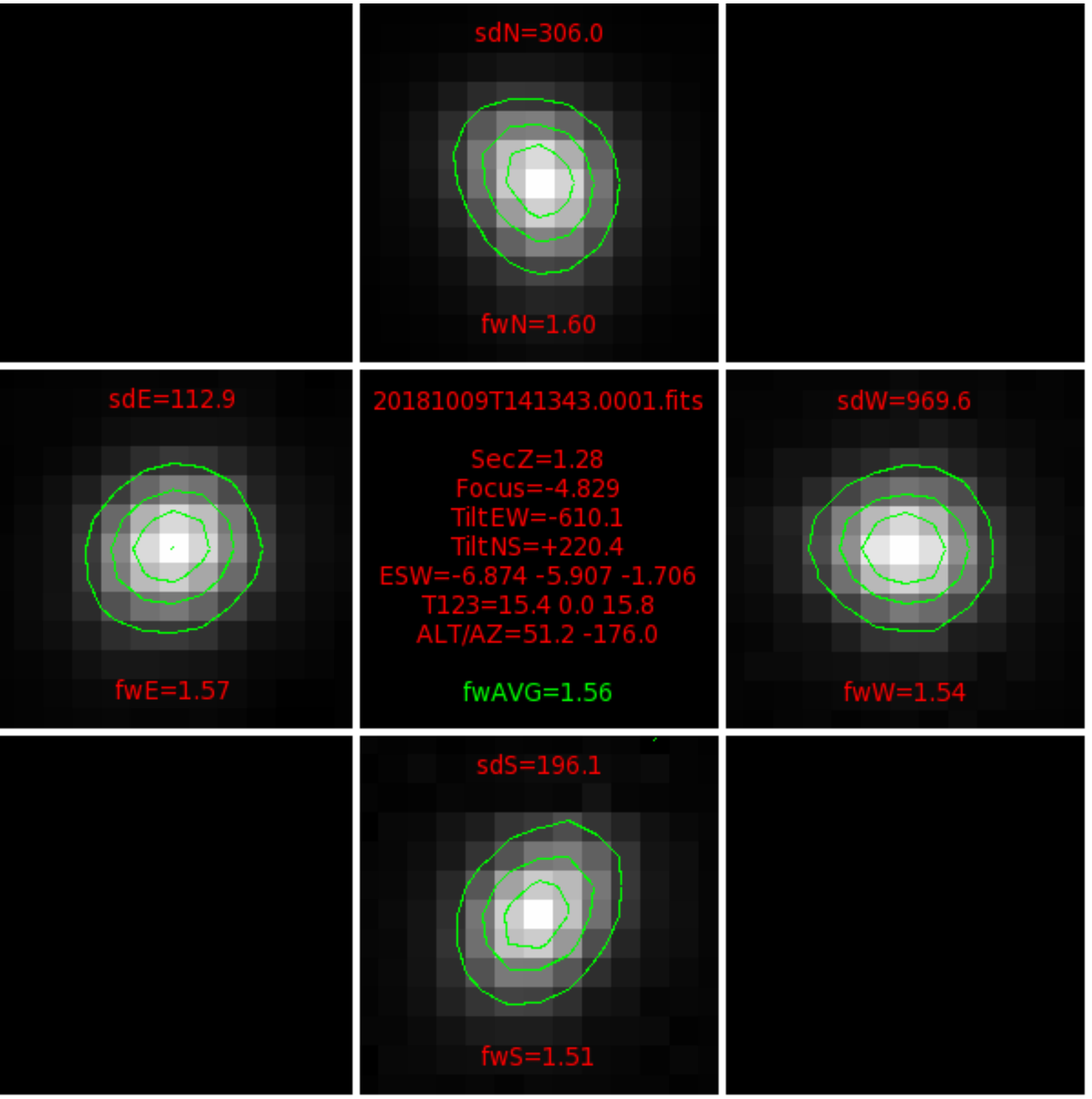
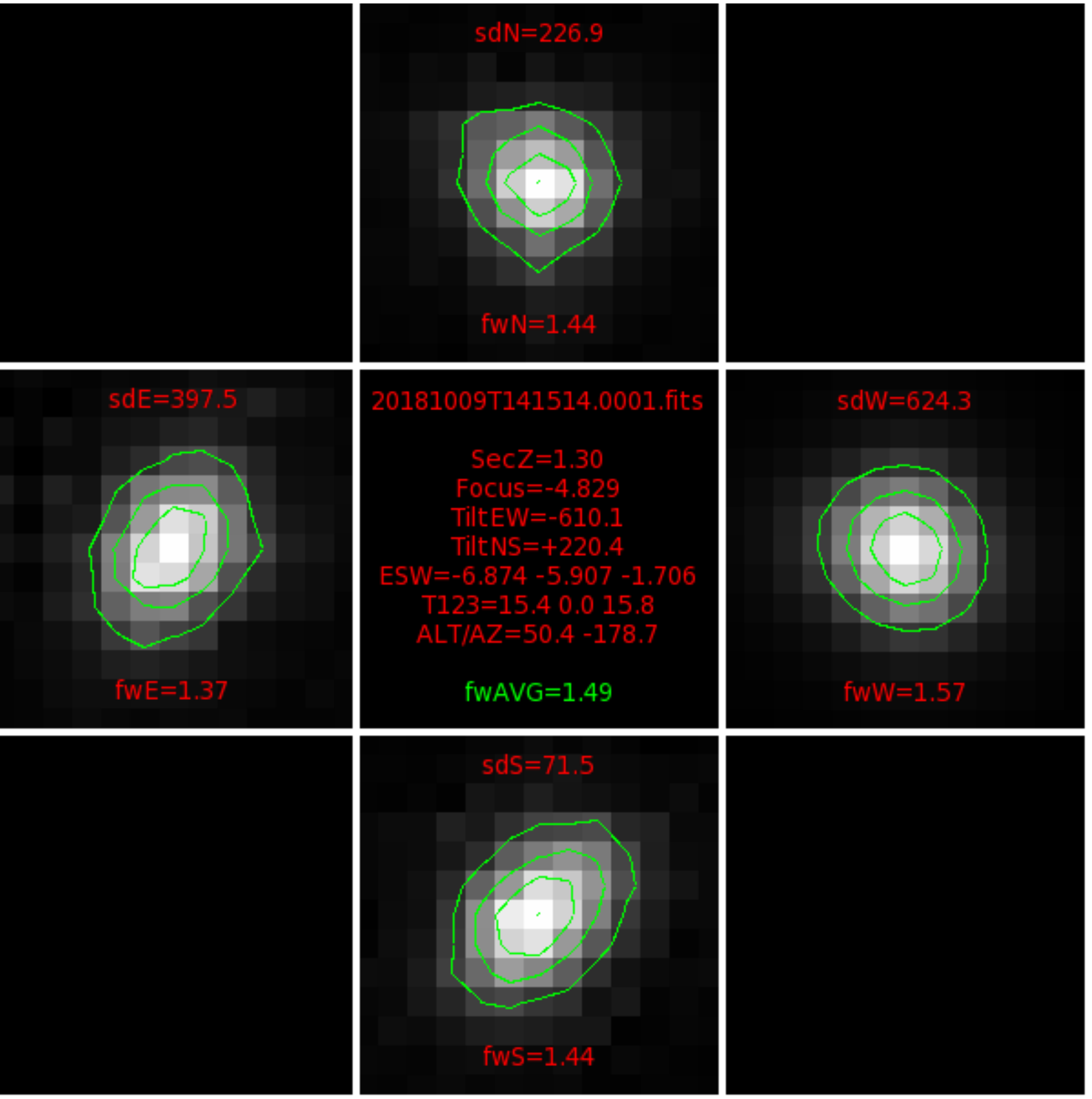

sdN=124.1
fwN=1.50
sdE=753.9
fwE=1.51
20181009T141247.0001.fits
SecZ=1.28
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.4 0.0 15.8
ALT/AZ=51.2 -176.4
fwAVG=1.50
sdW=1337.0
fwW=1.48
sdS=79.0
fwS=1.59
0 0 0 0 0 0 0 0 0


sdN=306.0
fwN=1.60
sdE=112.9
fwE=1.57
20181009T141343.0001.fits
SecZ=1.28
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.4 0.0 15.8
ALT/AZ=51.2 -176.0
fwAVG=1.56
sdW=969.6
fwW=1.54
sdS=196.1
fwS=1.51
0 0 0 0 0 0 0 0 0


sdN=226.9
fwN=1.44
sdE=397.5
fwE=1.37
20181009T141514.0001.fits
SecZ=1.30
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.4 0.0 15.8
ALT/AZ=50.4 -178.7
fwAVG=1.49
sdW=624.3
fwW=1.57
sdS=71.5
fwS=1.44
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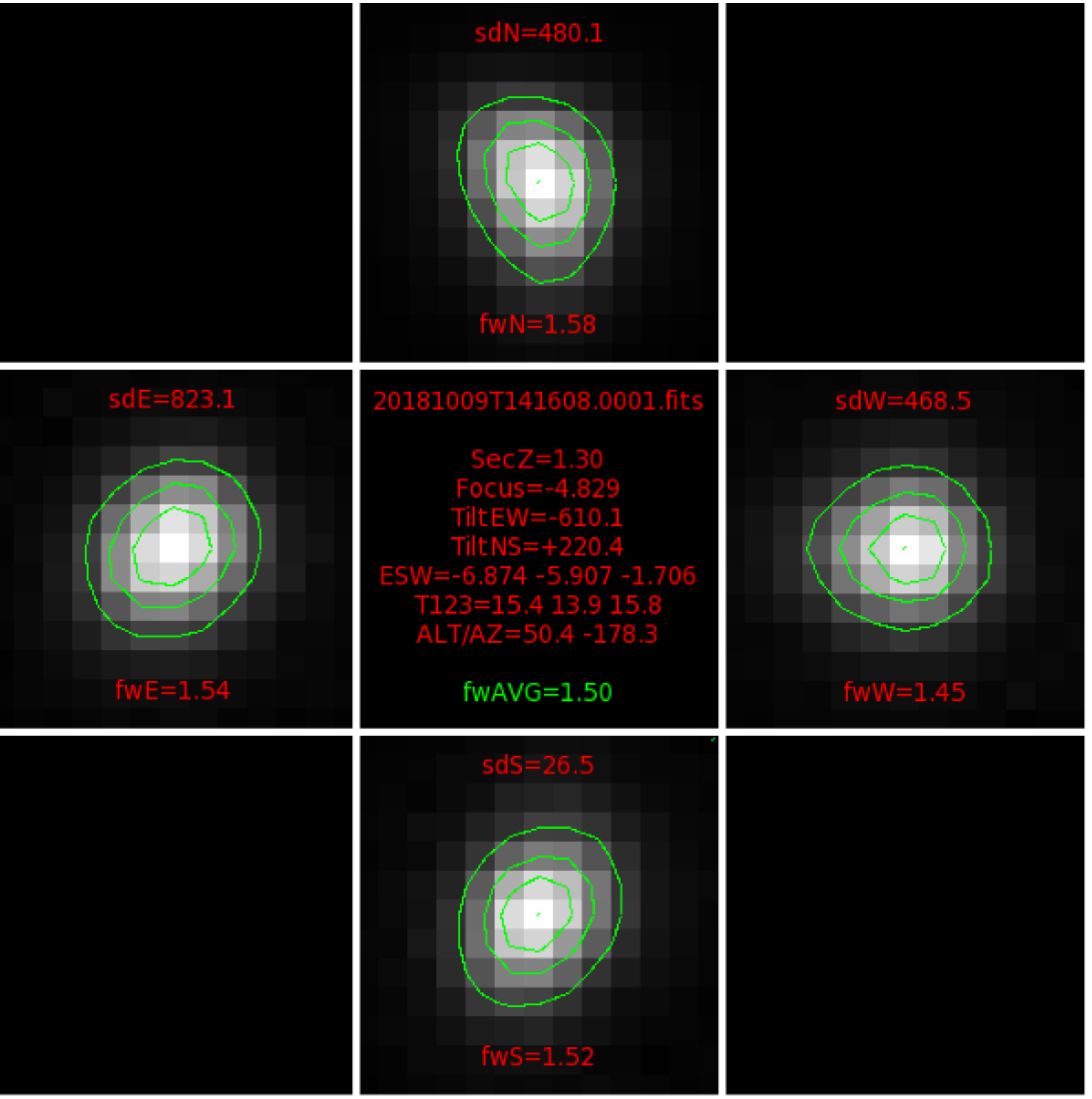
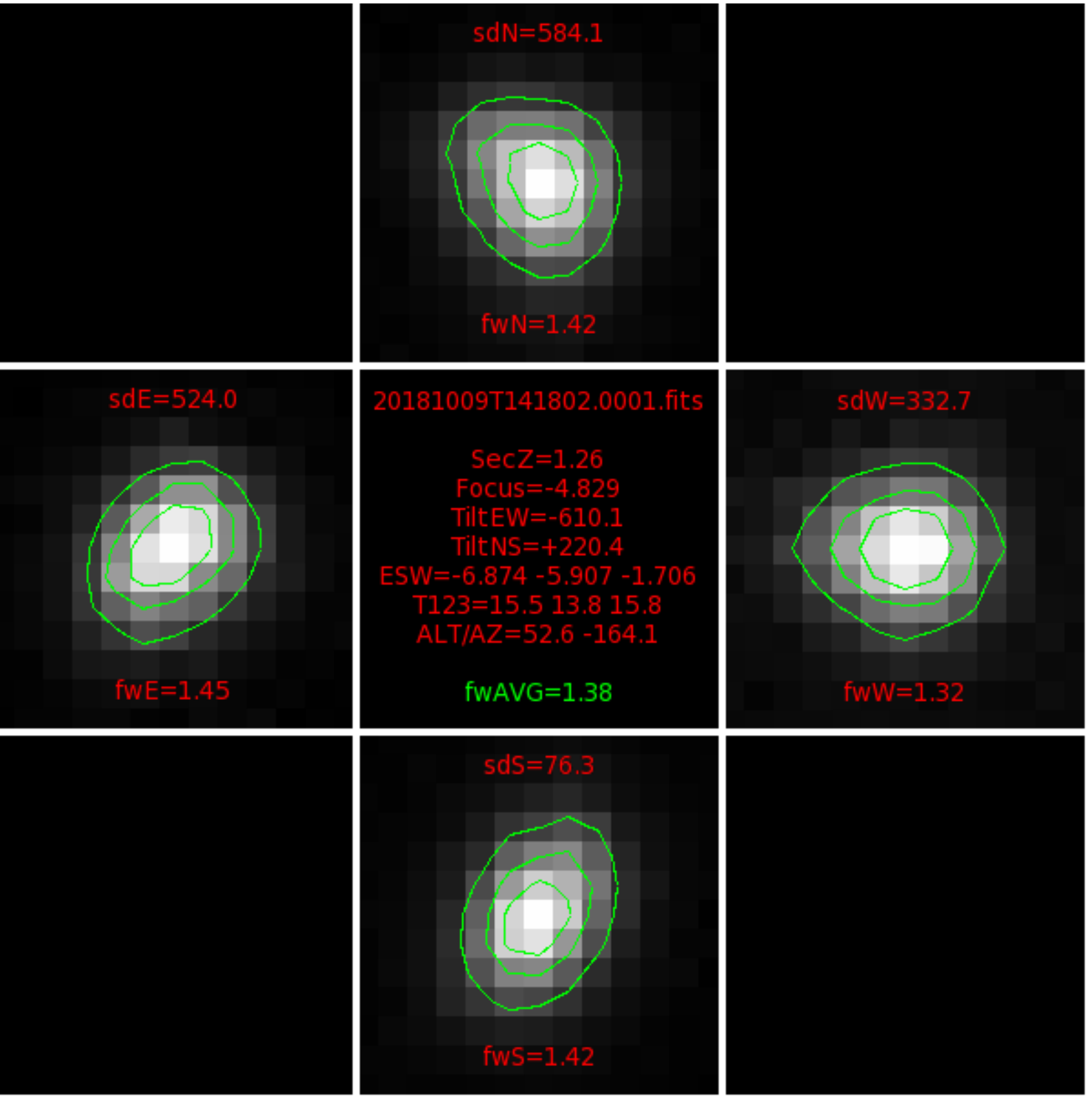

sdN=480.1
fwN=1.58
sdE=823.1
fwE=1.54
20181009T141608.0001.fits
SecZ=1.30
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.4 13.9 15.8
ALT/AZ=50.4 -178.3
fwAVG=1.50
sdW=468.5
fwW=1.45
sdS=26.5
fwS=1.52
0 0 0 0 0 0 0 0 0


sdN=584.1
fwN=1.42
sdE=524.0
fwE=1.45
20181009T141802.0001.fits
SecZ=1.26
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.5 13.8 15.8
ALT/AZ=52.6 -164.1
fwAVG=1.38
sdW=332.7
fwW=1.32
sdS=76.3
fwS=1.42
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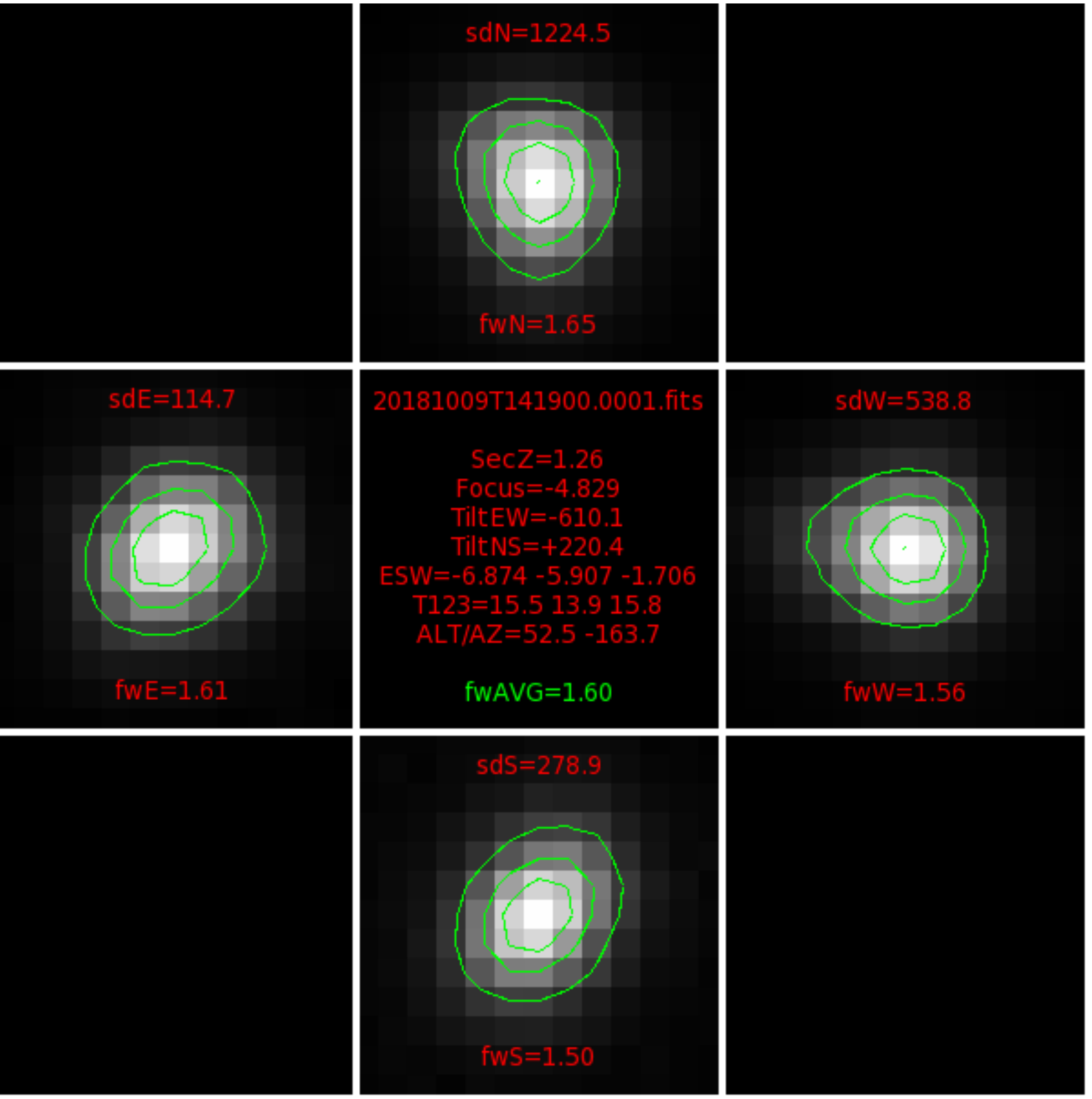
sdN=1224.5
fwN=1.65
sdE=114.7
fwE=1.61
20181009T141900.0001.fits
SecZ=1.26
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.5 13.9 15.8
ALT/AZ=52.5 -163.7
fwAVG=1.60
sdW=538.8
fwW=1.56
sdS=278.9
fwS=1.50
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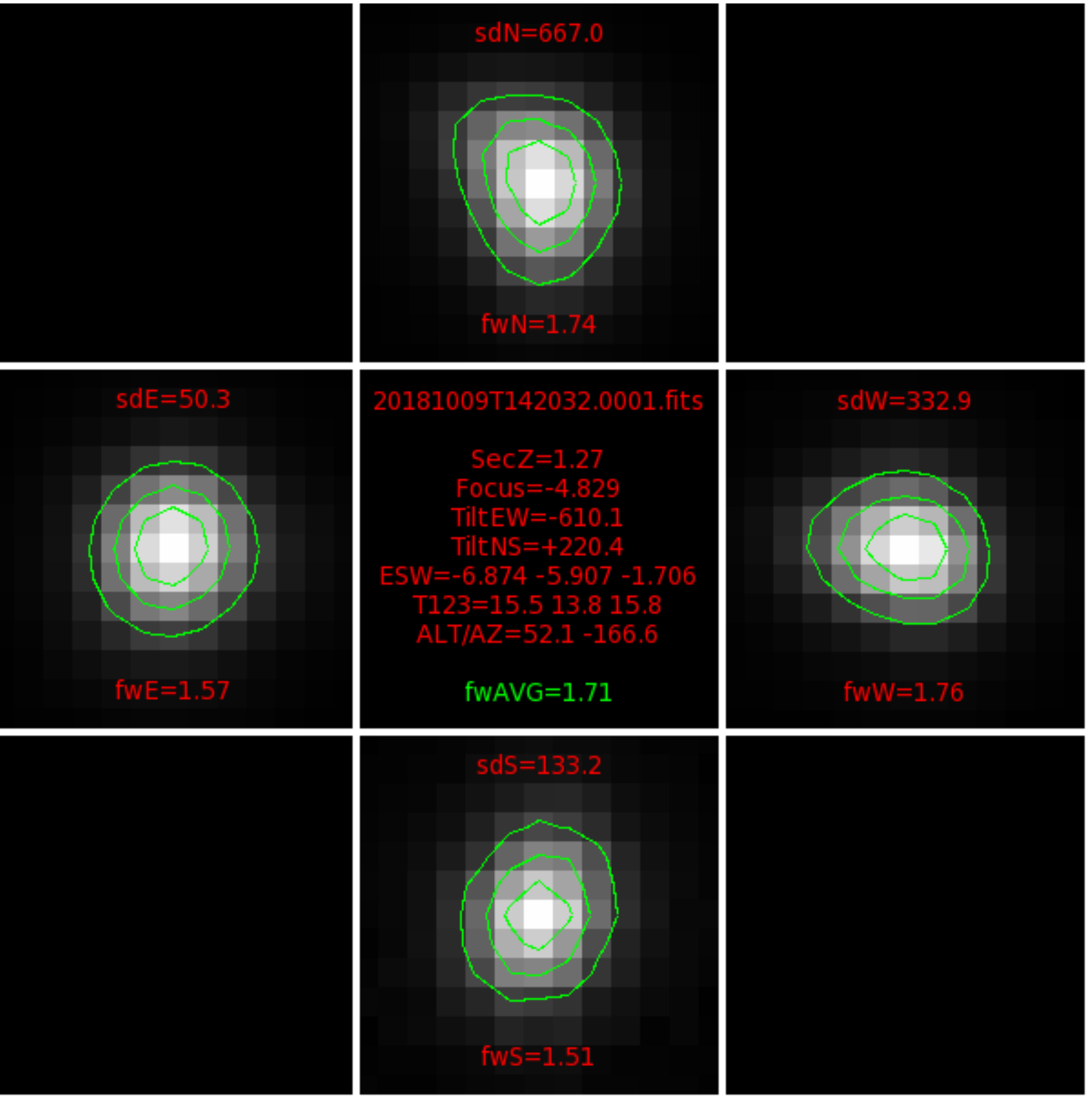
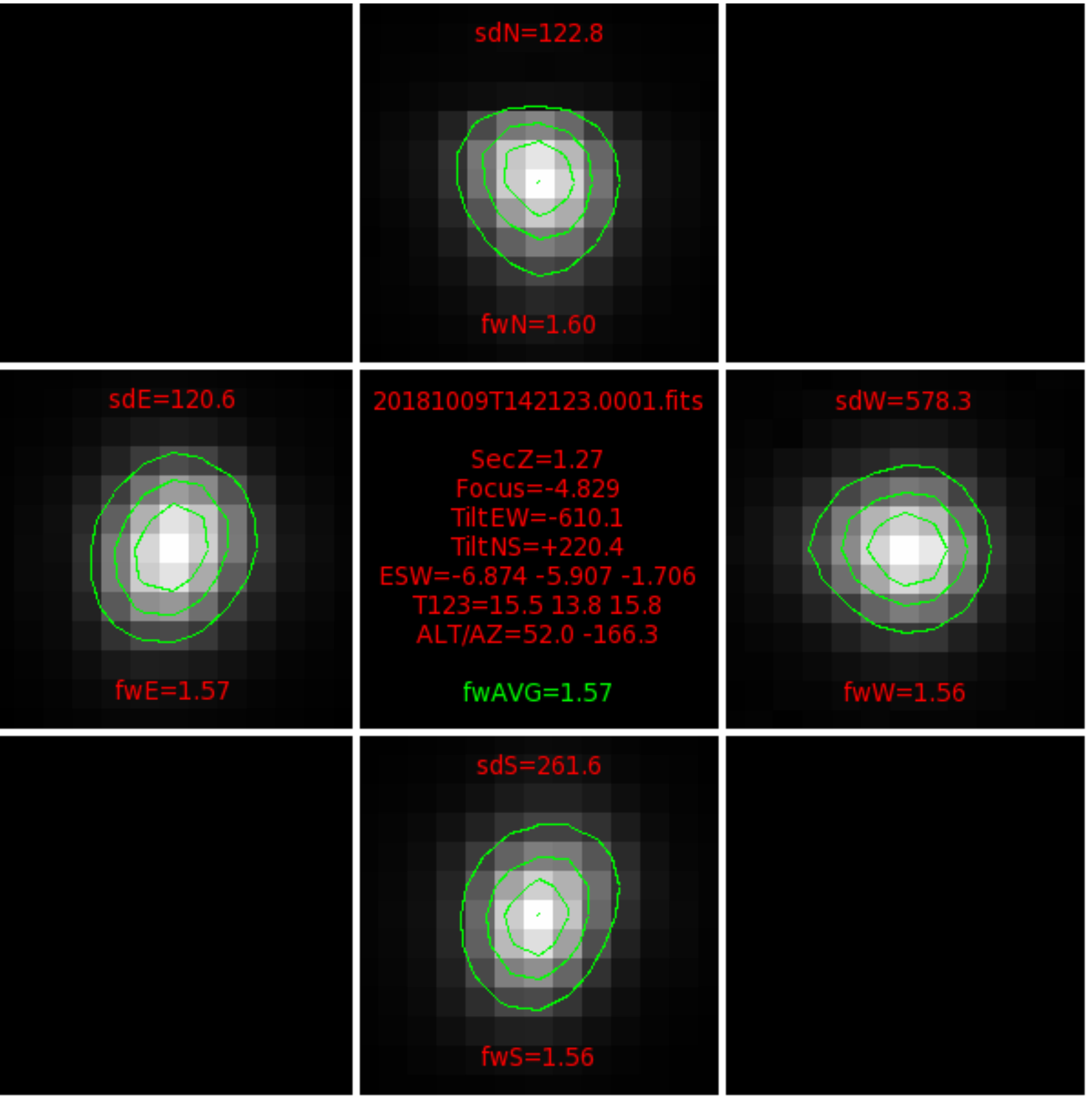

sdN=667.0
fwN=1.74
sdE=50.3
fwE=1.57
20181009T142032.0001.fits
SecZ=1.27
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.5 13.8 15.8
ALT/AZ=52.1 -166.6
fwAVG=1.71
sdW=332.9
fwW=1.76
sdS=133.2
fwS=1.51
0 0 0 0 0 0 0 0 0


sdN=122.8
fwN=1.60
sdE=120.6
fwE=1.57
20181009T142123.0001.fits
SecZ=1.27
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.5 13.8 15.8
ALT/AZ=52.0 -166.3
fwAVG=1.57
sdW=578.3
fwW=1.56
sdS=261.6
fwS=1.56
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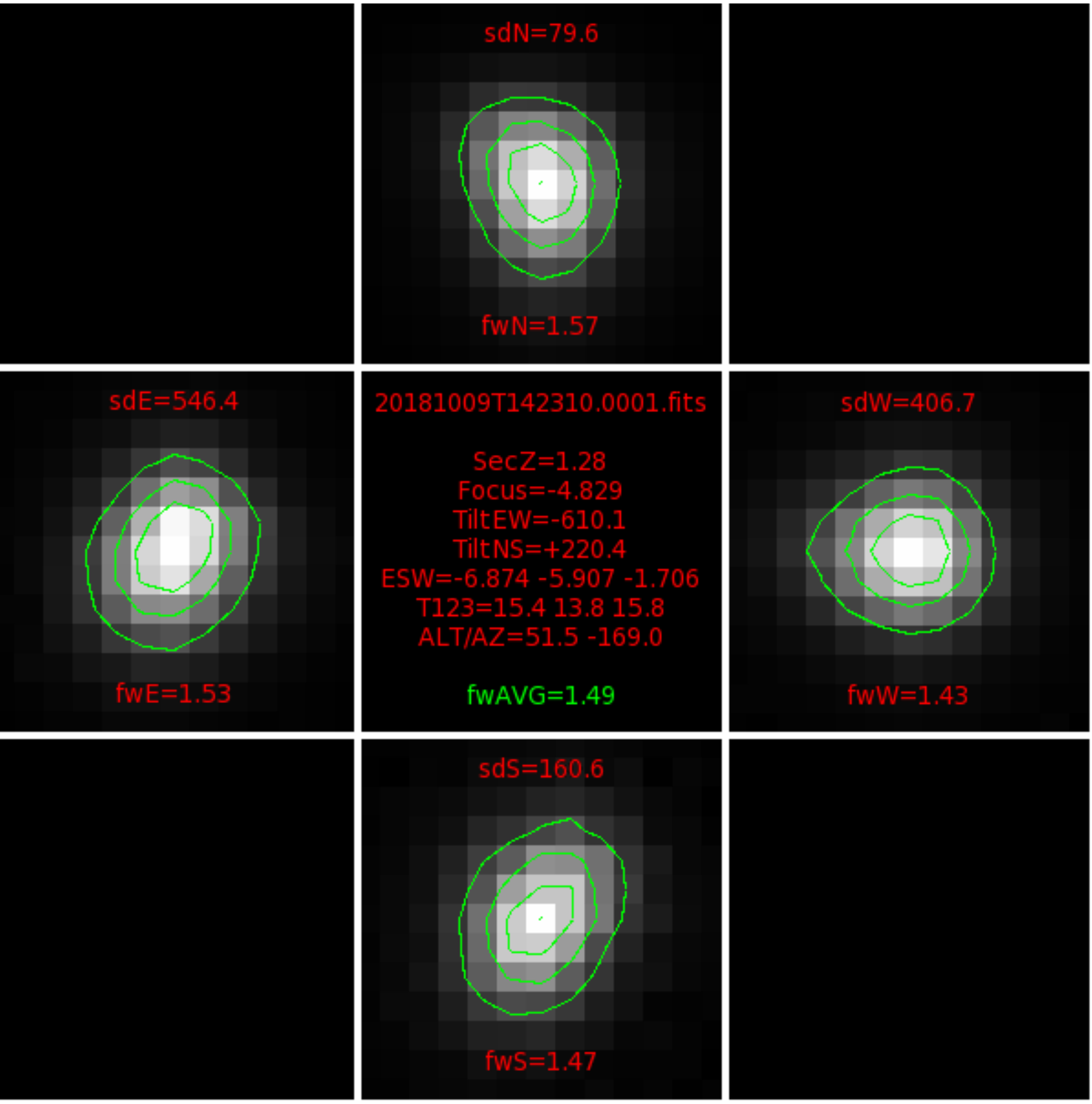
sdN=79.6
fwN=1.57
sdE=546.4
fwE=1.53
20181009T142310.0001.fits
SecZ=1.28
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.4 13.8 15.8
ALT/AZ=51.5 -169.0
fwAVG=1.49
sdW=406.7
fwW=1.43
sdS=160.6
fwS=1.47
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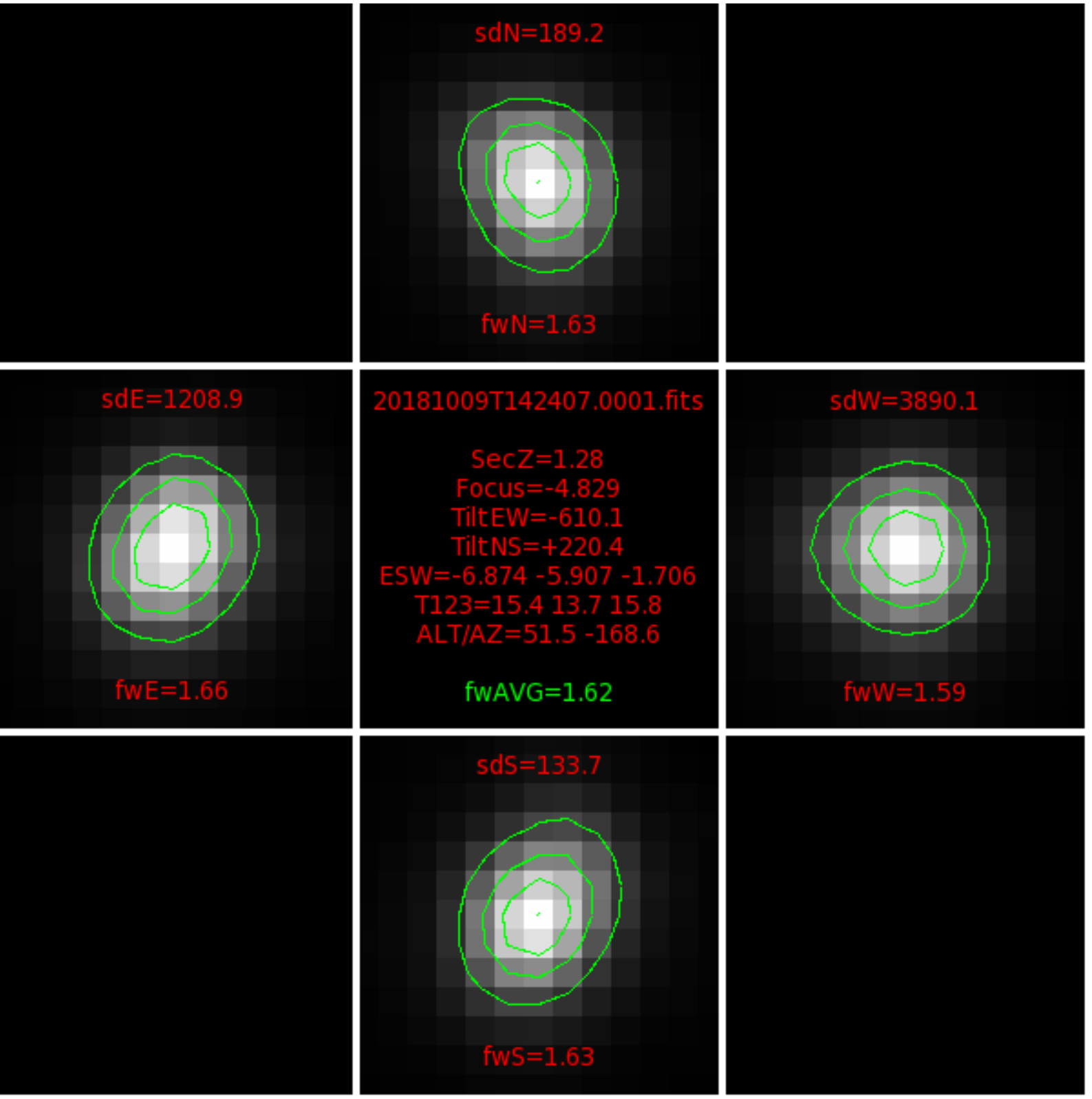
sdN=189.2
fwN=1.63
sdE=1208.9
fwE=1.66
20181009T142407.0001.fits
SecZ=1.28
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.4 13.7 15.8
ALT/AZ=51.5 -168.6
fwAVG=1.62
sdW=3890.1
fwW=1.59
sdS=133.7
fwS=1.63
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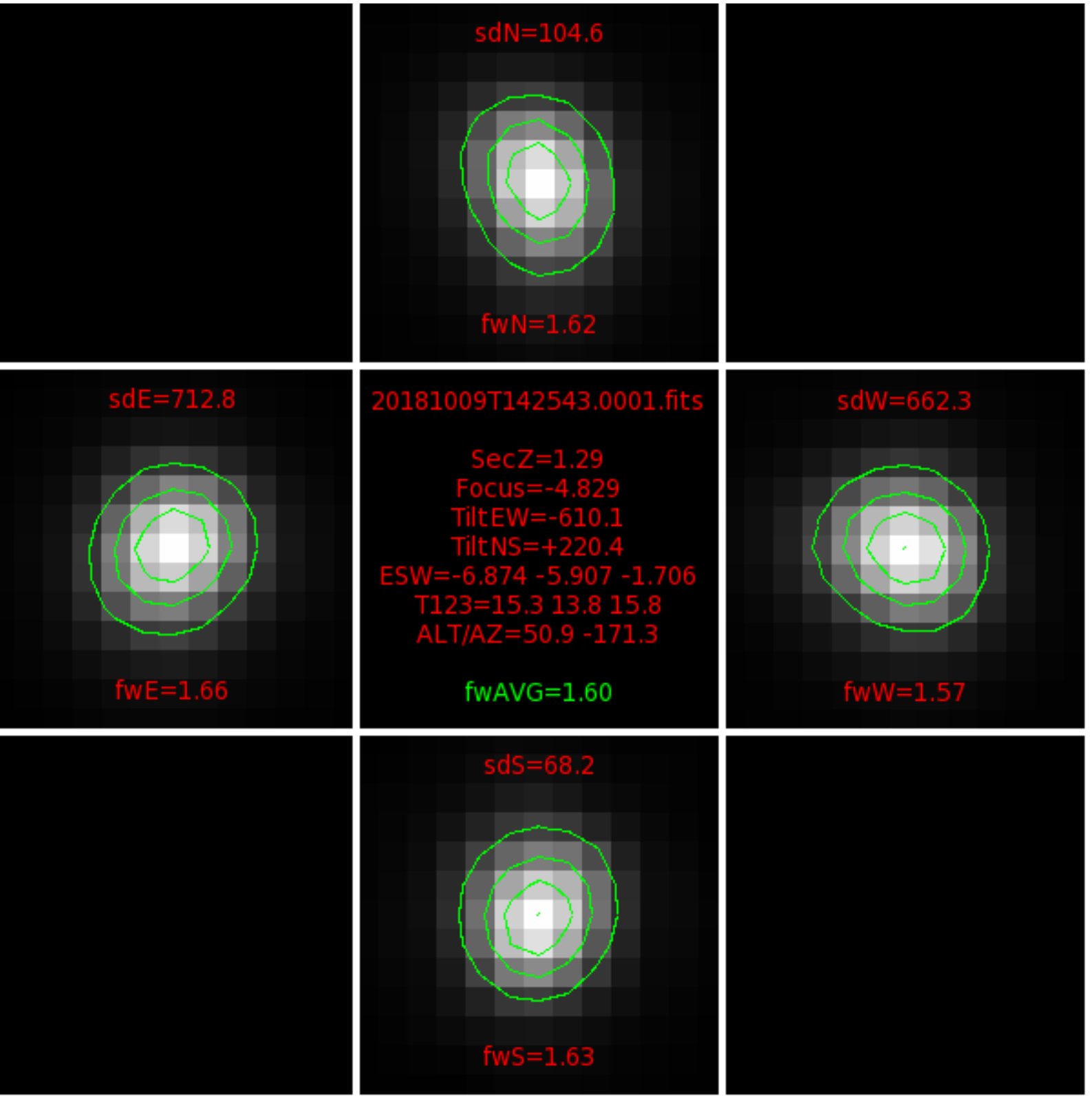
sdN=104.6
fwN=1.62
sdE=712.8
fwE=1.66
20181009T142543.0001.fits
SecZ=1.29
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.3 13.8 15.8
ALT/AZ=50.9 -171.3
fwAVG=1.60
sdW=662.3
fwW=1.57
sdS=68.2
fwS=1.63
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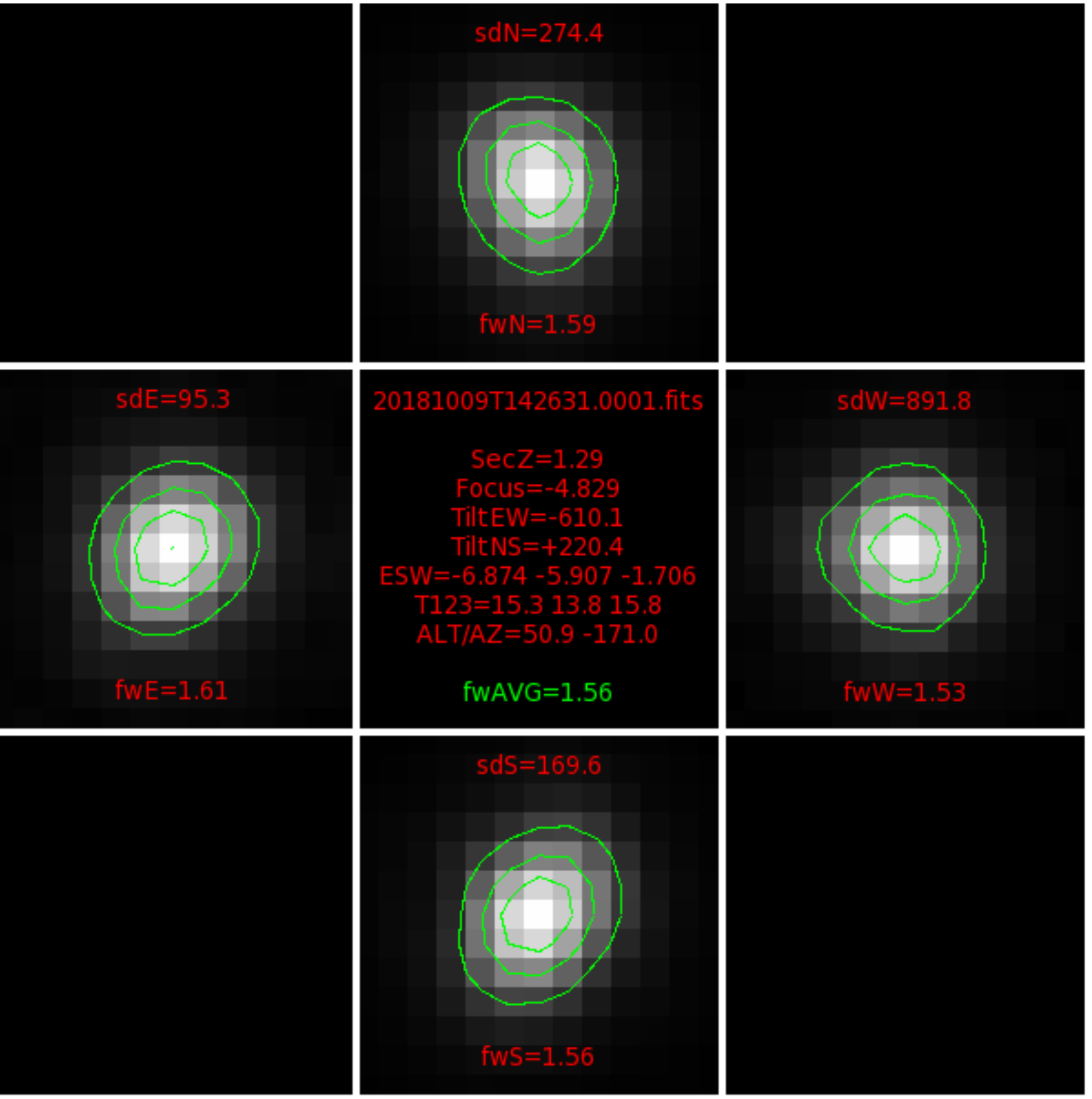
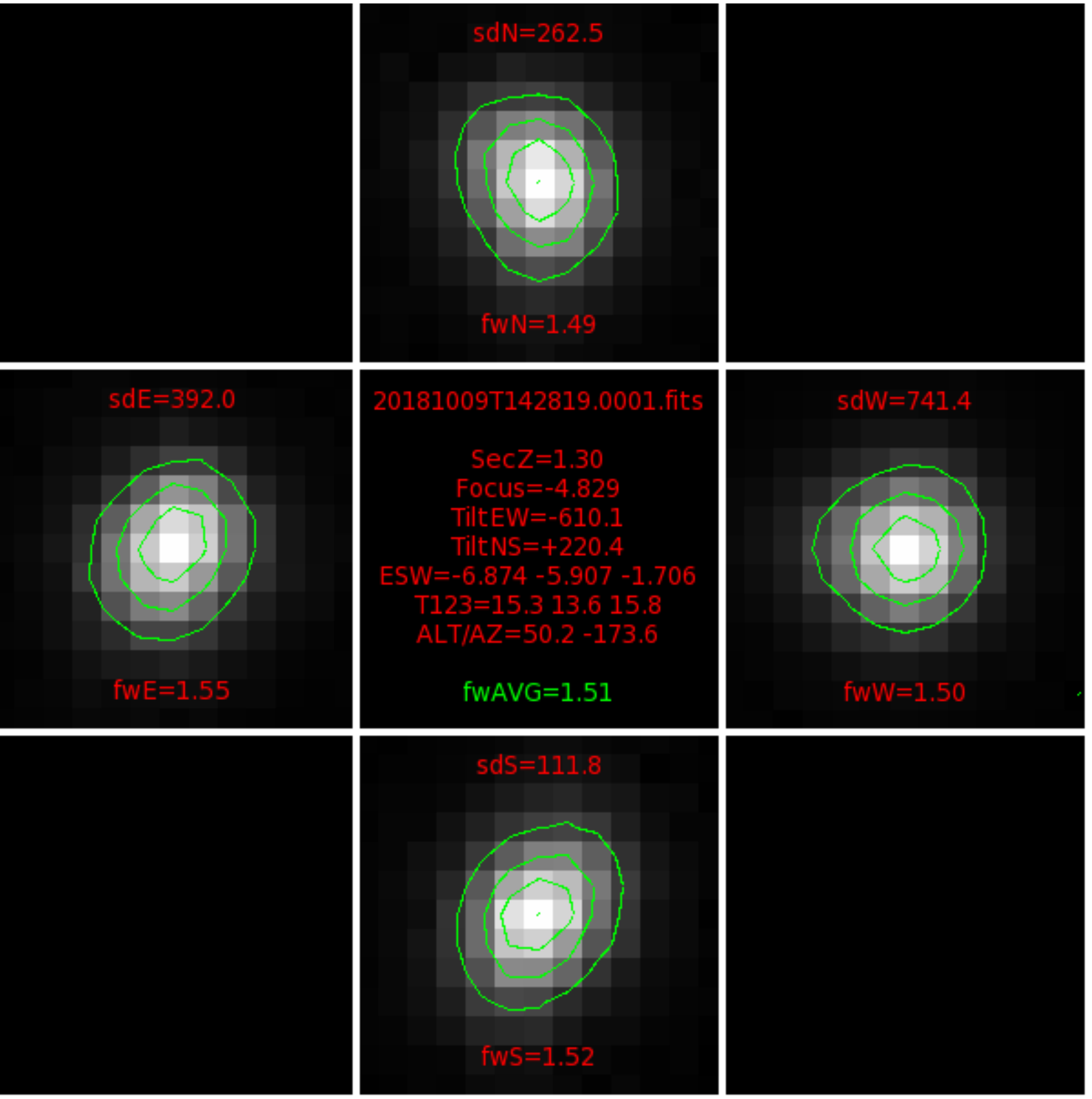

sdN=274.4
fwN=1.59
sdE=95.3
fwE=1.61
20181009T142631.0001.fits
SecZ=1.29
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.3 13.8 15.8
ALT/AZ=50.9 -171.0
fwAVG=1.56
sdW=891.8
fwW=1.53
sdS=169.6
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=262.5
fwN=1.49
sdE=392.0
fwE=1.55
20181009T142819.0001.fits
SecZ=1.30
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.3 13.6 15.8
ALT/AZ=50.2 -173.6
fwAVG=1.51
sdW=741.4
fwW=1.50
sdS=111.8
fwS=1.52
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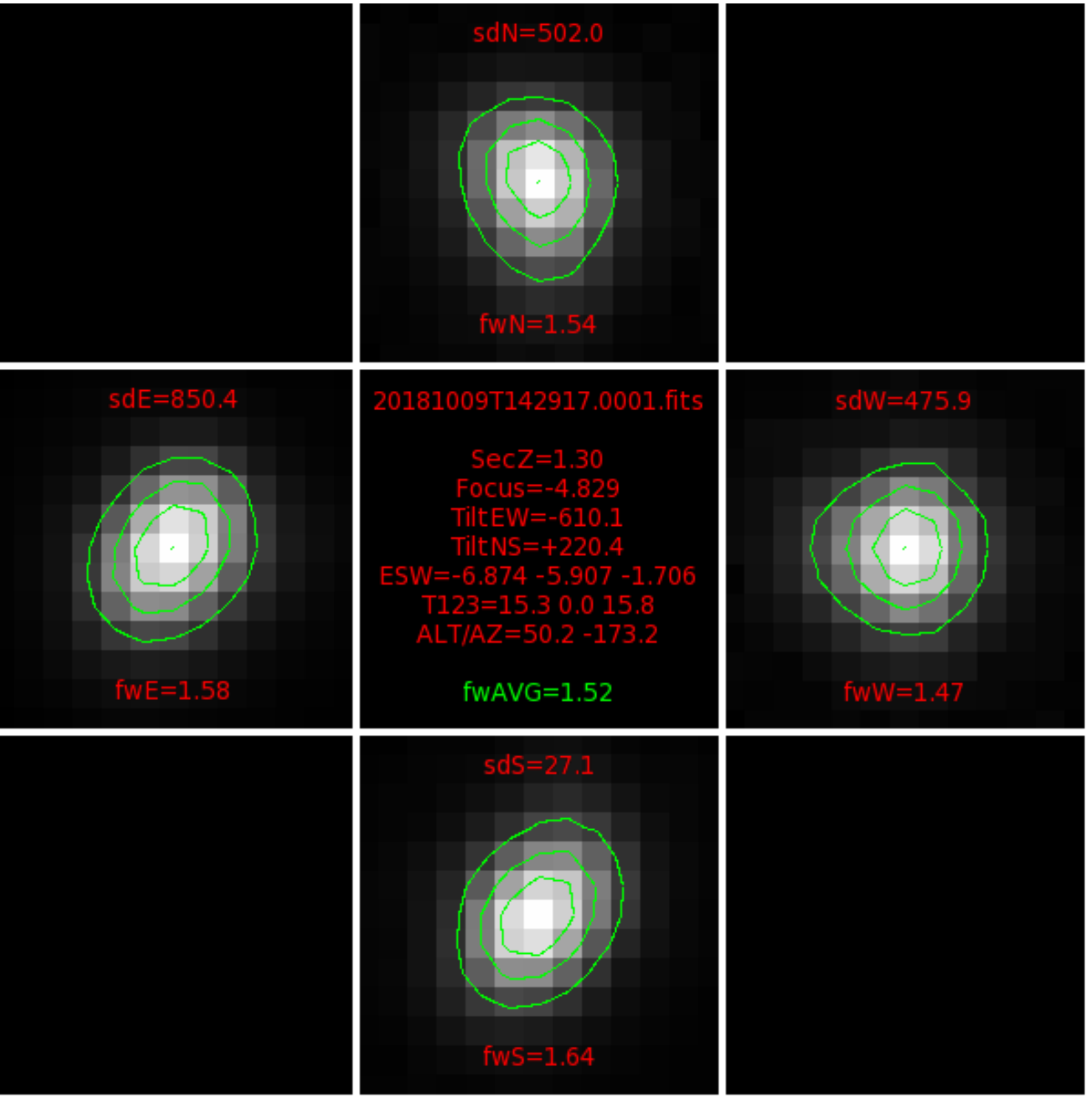
sdN=502.0
fwN=1.54
sdE=850.4
fwE=1.58
20181009T142917.0001.fits
SecZ=1.30
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.3 0.0 15.8
ALT/AZ=50.2 -173.2
fwAVG=1.52
sdW=475.9
fwW=1.47
sdS=27.1
fwS=1.64
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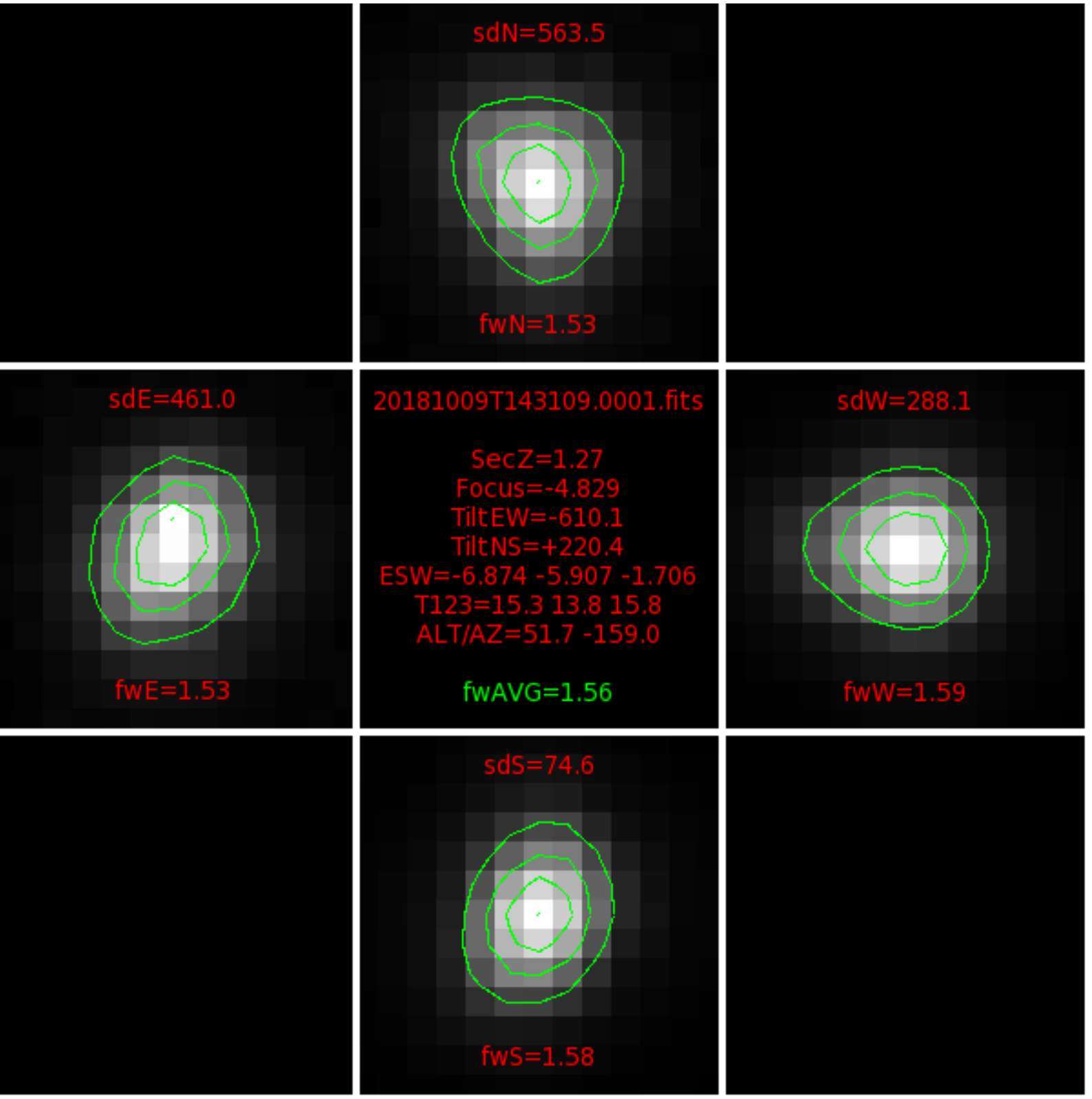
sdN=563.5
fwN=1.53
sdE=461.0
fwE=1.53
20181009T143109.0001.fits
SecZ=1.27
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.3 13.8 15.8
ALT/AZ=51.7 -159.0
fwAVG=1.56
sdW=288.1
fwW=1.59
sdS=74.6
fwS=1.58
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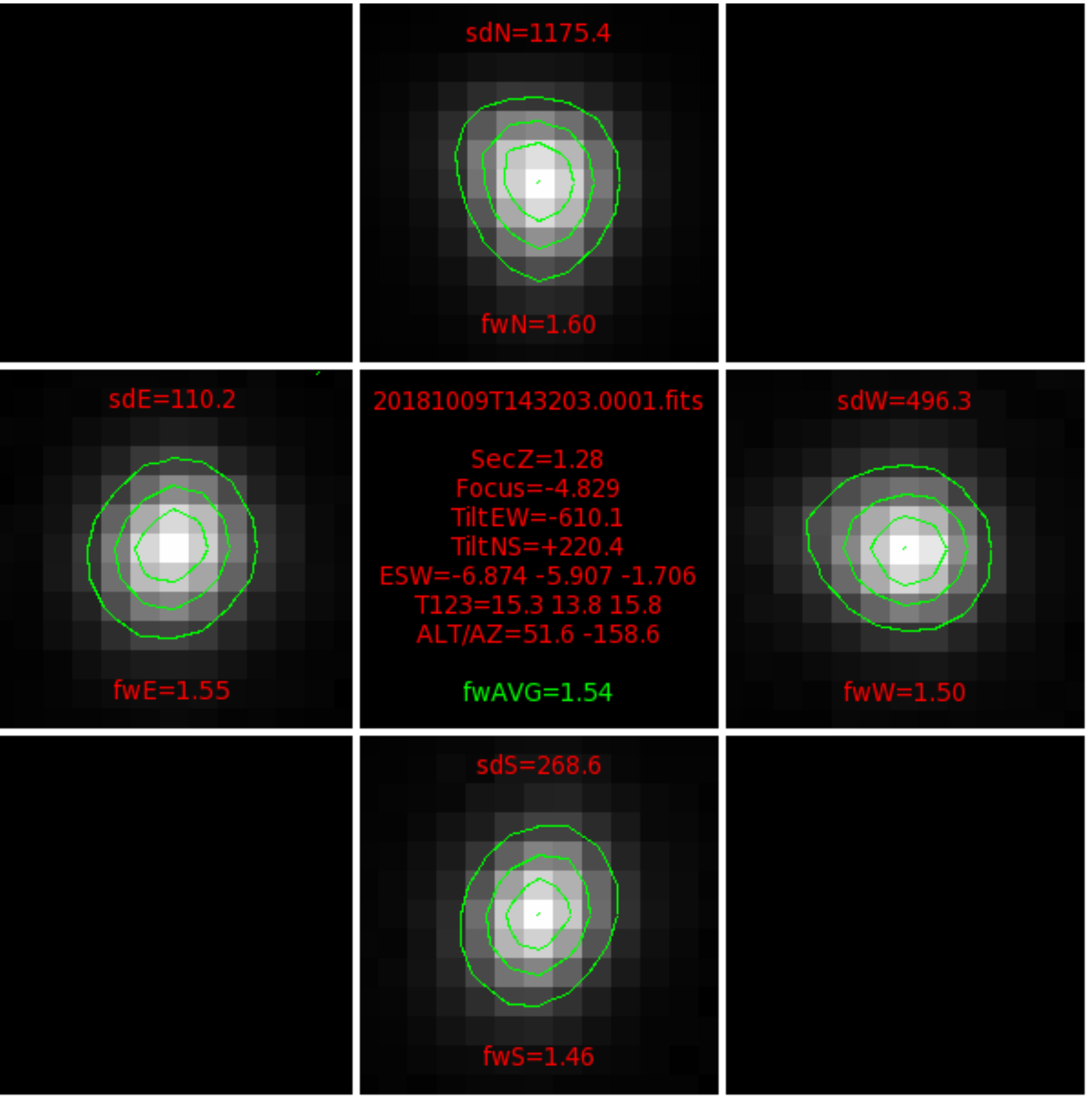
sdN=1175.4
fwN=1.60
sdE=110.2
fwE=1.55
20181009T143203.0001.fits
SecZ=1.28
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.3 13.8 15.8
ALT/AZ=51.6 -158.6
fwAVG=1.54
sdW=496.3
fwW=1.50
sdS=268.6
fwS=1.46
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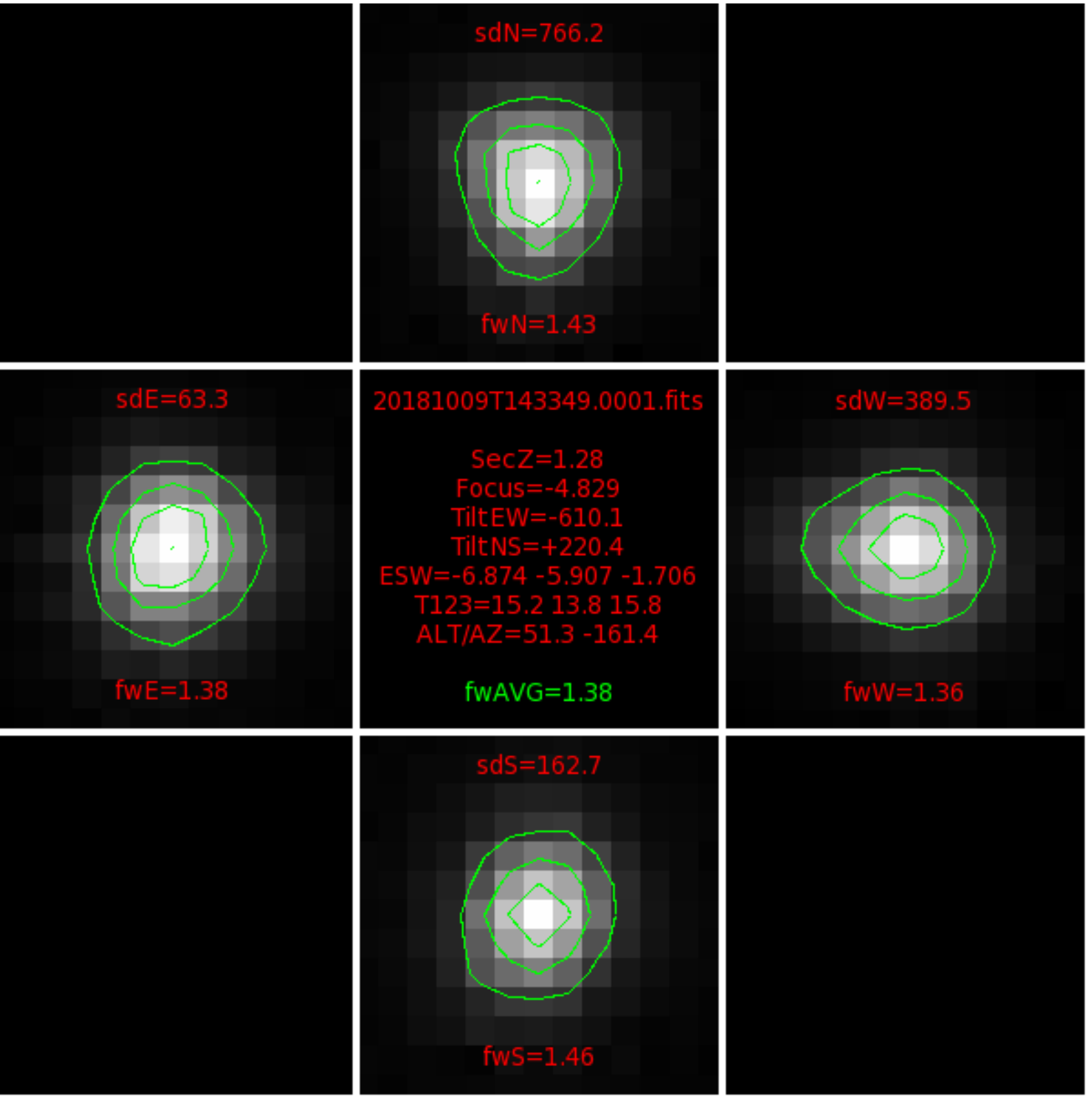
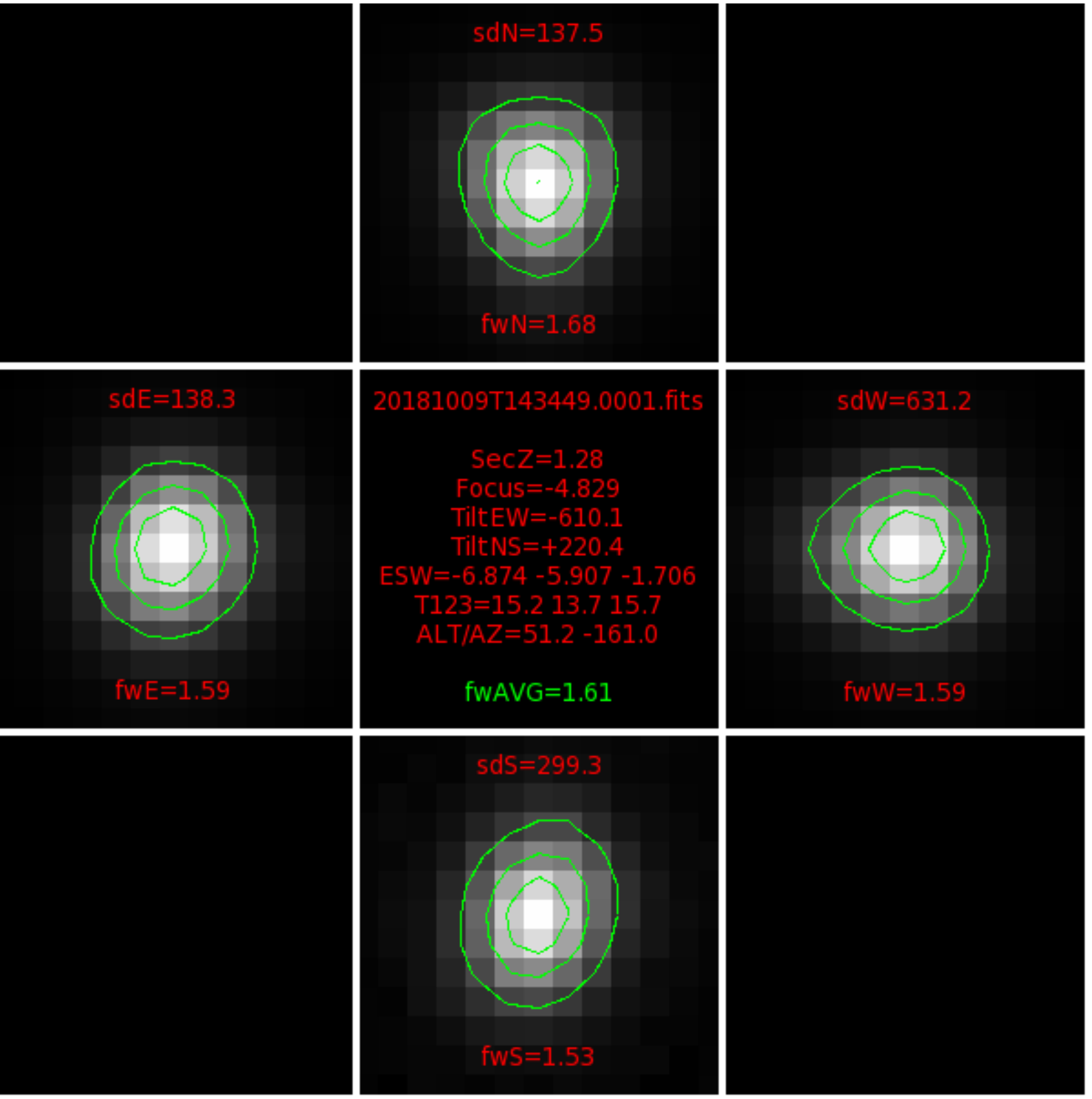
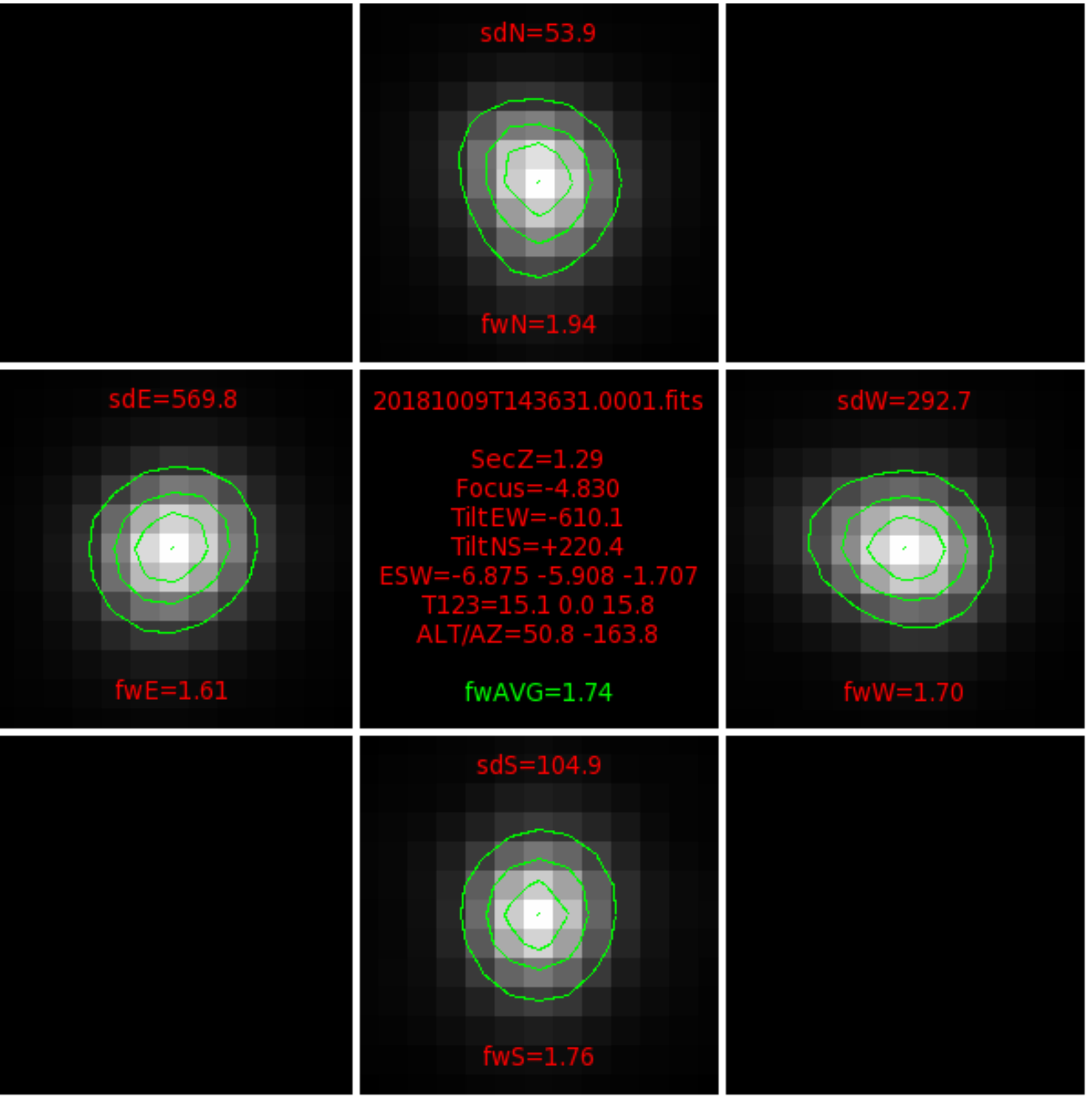

sdN=766.2
fwN=1.43
sdE=63.3
fwE=1.38
20181009T143349.0001.fits
SecZ=1.28
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.2 13.8 15.8
ALT/AZ=51.3 -161.4
fwAVG=1.38
sdW=389.5
fwW=1.36
sdS=162.7
fwS=1.46
0 0 0 0 0 0 0 0 0


sdN=137.5
fwN=1.68
sdE=138.3
fwE=1.59
20181009T143449.0001.fits
SecZ=1.28
Focus=-4.829
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.874 -5.907 -1.706
T123=15.2 13.7 15.7
ALT/AZ=51.2 -161.0
fwAVG=1.61
sdW=631.2
fwW=1.59
sdS=299.3
fwS=1.53
0 0 0 0 0 0 0 0 0


sdN=53.9
fwN=1.94
sdE=569.8
fwE=1.61
20181009T143631.0001.fits
SecZ=1.29
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=15.1 0.0 15.8
ALT/AZ=50.8 -163.8
fwAVG=1.74
sdW=292.7
fwW=1.70
sdS=104.9
fwS=1.76
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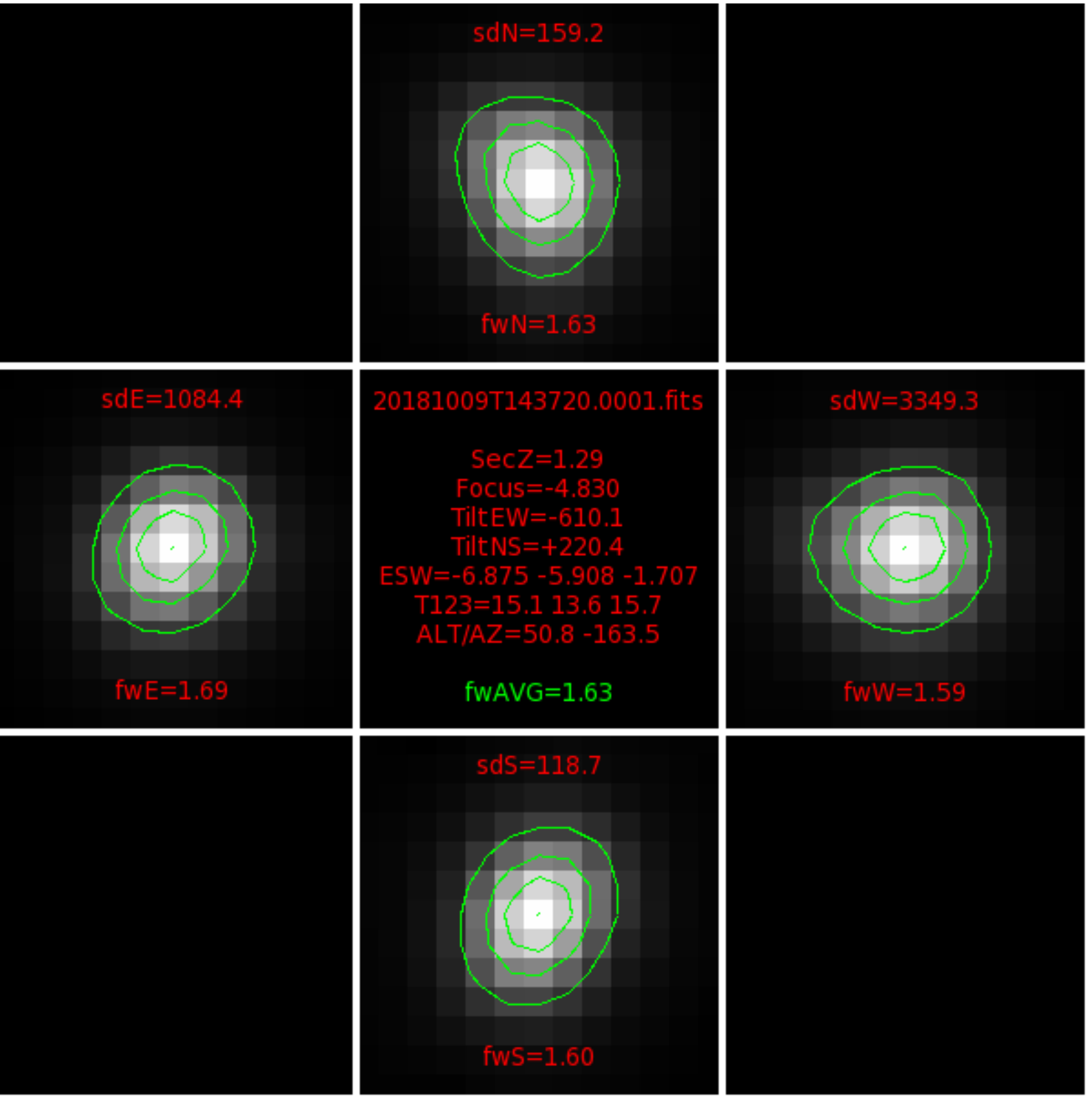
sdN=159.2
fwN=1.63
sdE=1084.4
fwE=1.69
20181009T143720.0001.fits
SecZ=1.29
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=15.1 13.6 15.7
ALT/AZ=50.8 -163.5
fwAVG=1.63
sdW=3349.3
fwW=1.59
sdS=118.7
fwS=1.60
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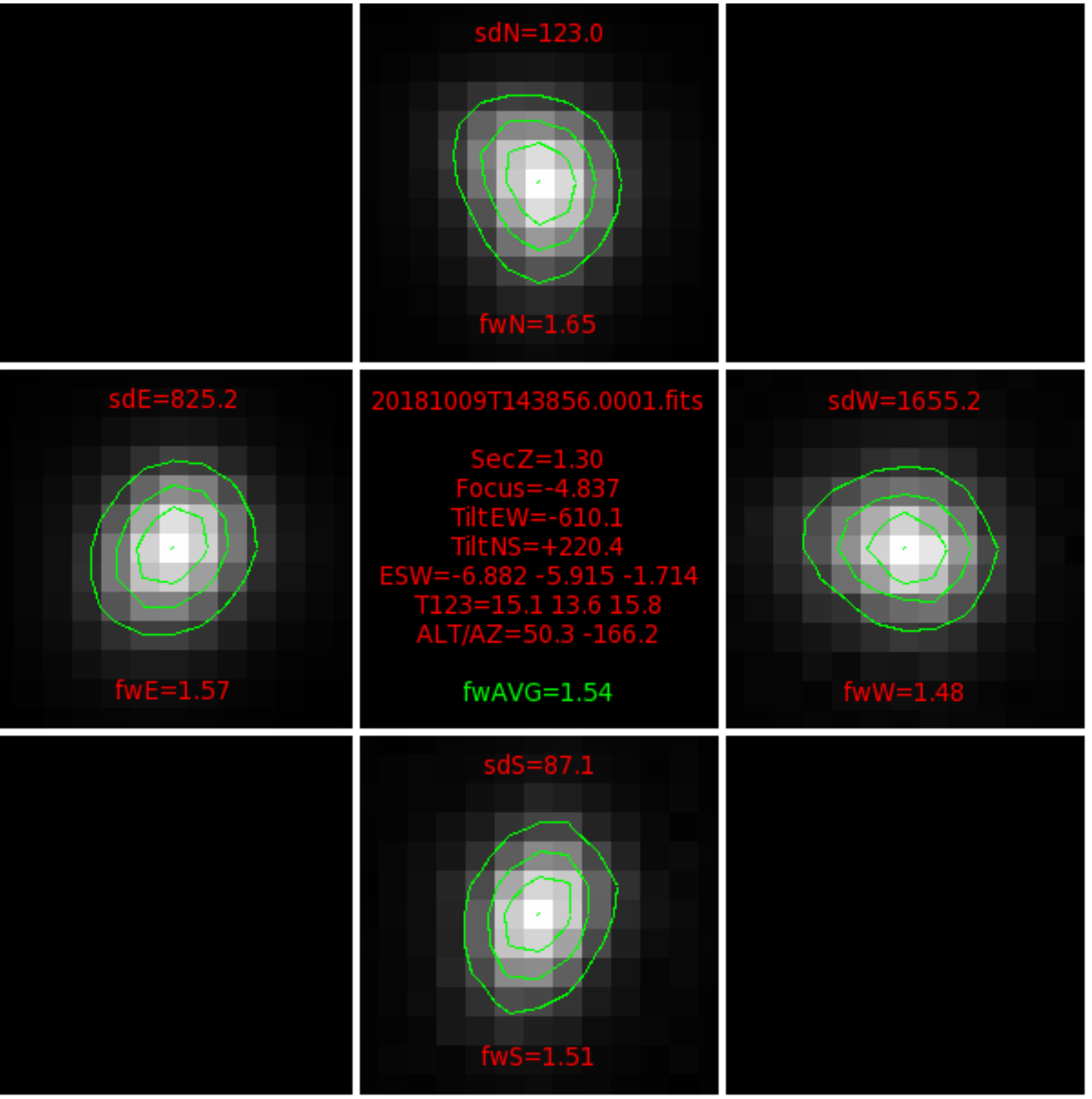
sdN=123.0
fwN=1.65
sdE=825.2
fwE=1.57
20181009T143856.0001.fits
SecZ=1.30
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=15.1 13.6 15.8
ALT/AZ=50.3 -166.2
fwAVG=1.54
sdW=1655.2
fwW=1.48
sdS=87.1
fwS=1.51
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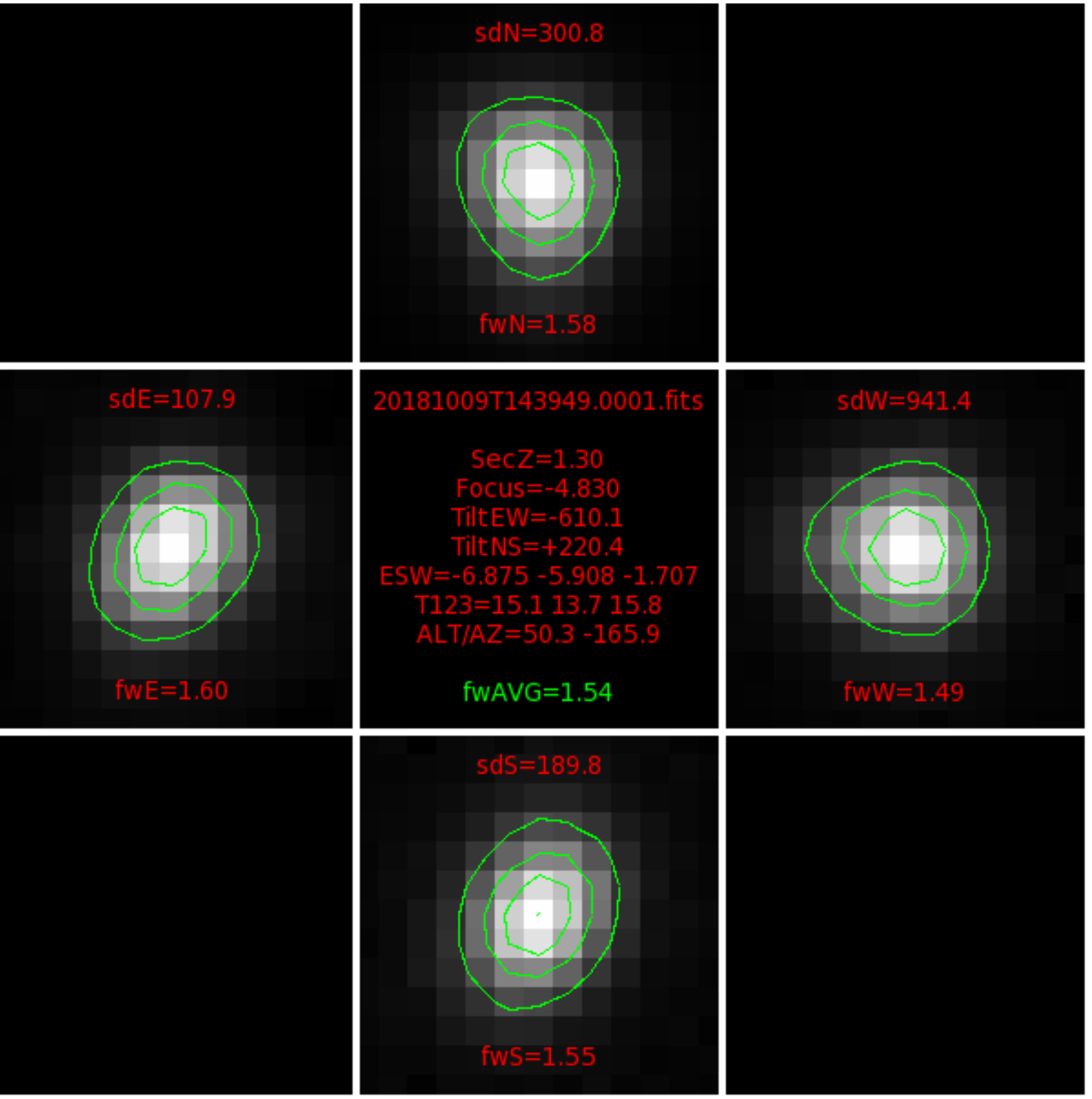
sdN=300.8
fwN=1.58
sdE=107.9
fwE=1.60
20181009T143949.0001.fits
SecZ=1.30
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=15.1 13.7 15.8
ALT/AZ=50.3 -165.9
fwAVG=1.54
sdW=941.4
fwW=1.49
sdS=189.8
fwS=1.55
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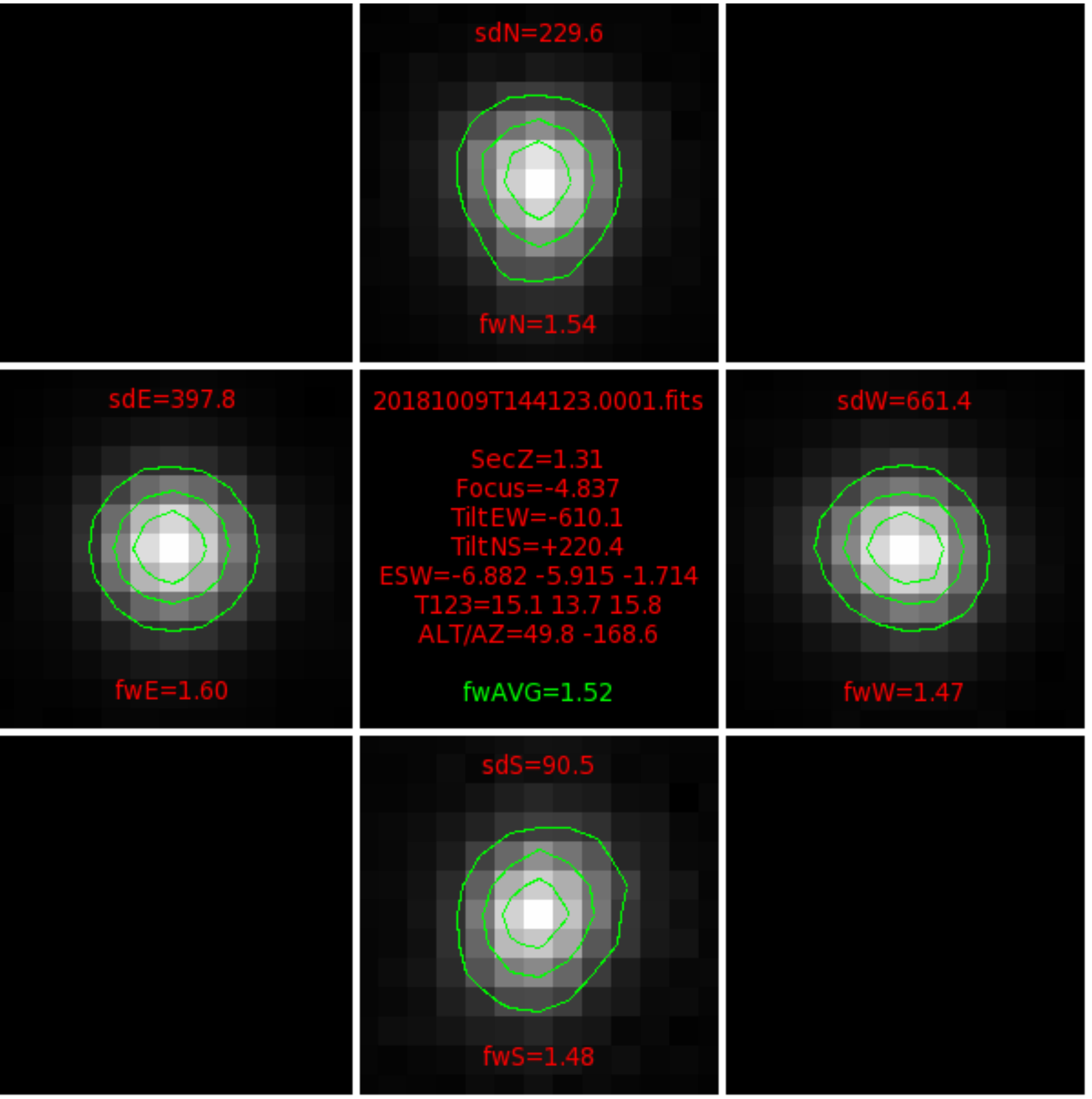
sdN=229.6
fwN=1.54
sdE=397.8
fwE=1.60
20181009T144123.0001.fits
SecZ=1.31
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=15.1 13.7 15.8
ALT/AZ=49.8 -168.6
fwAVG=1.52
sdW=661.4
fwW=1.47
sdS=90.5
fwS=1.48
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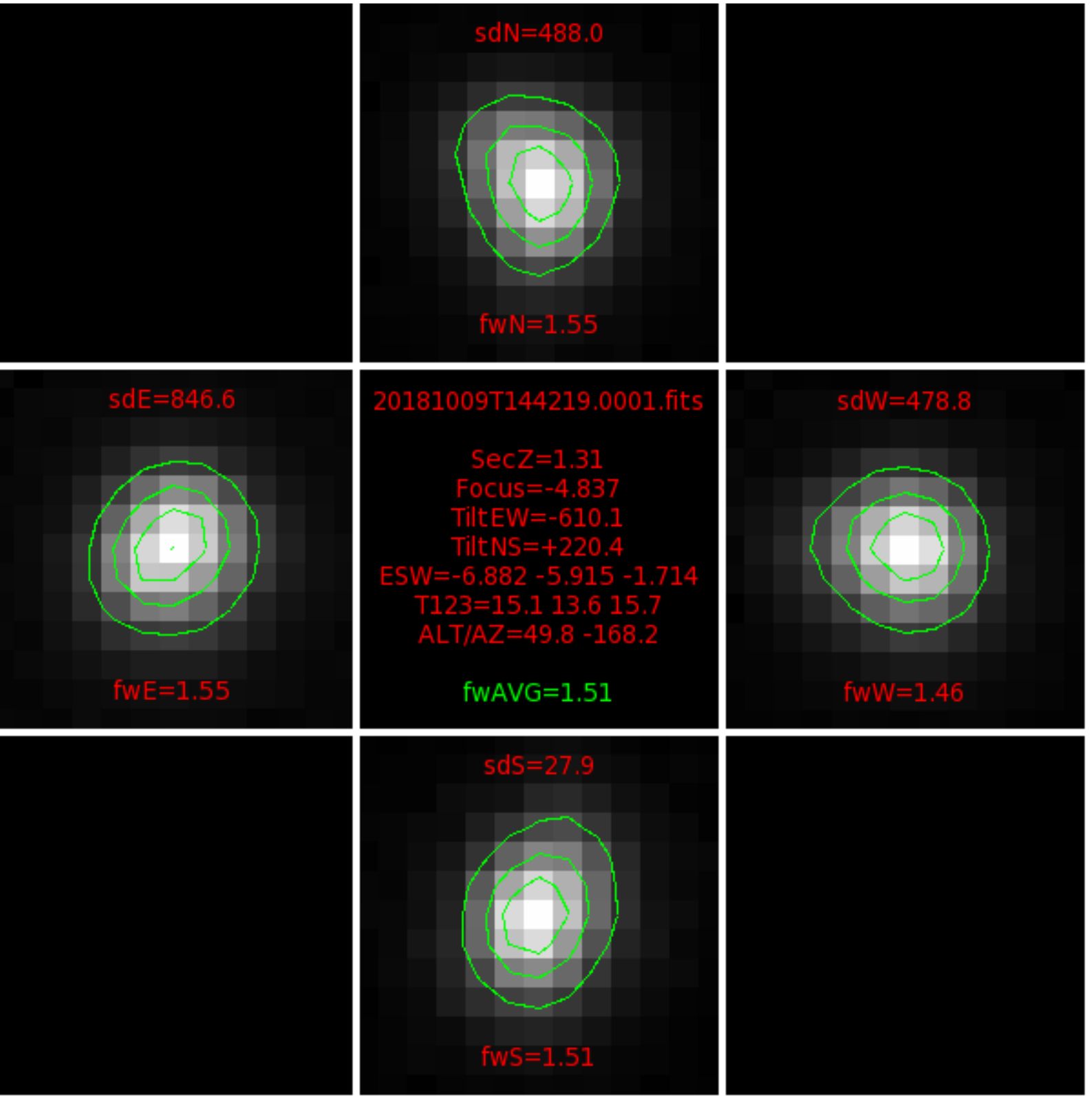
sdN=488.0
fwN=1.55
sdE=846.6
fwE=1.55
20181009T144219.0001.fits
SecZ=1.31
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=15.1 13.6 15.7
ALT/AZ=49.8 -168.2
fwAVG=1.51
sdW=478.8
fwW=1.46
sdS=27.9
fwS=1.51
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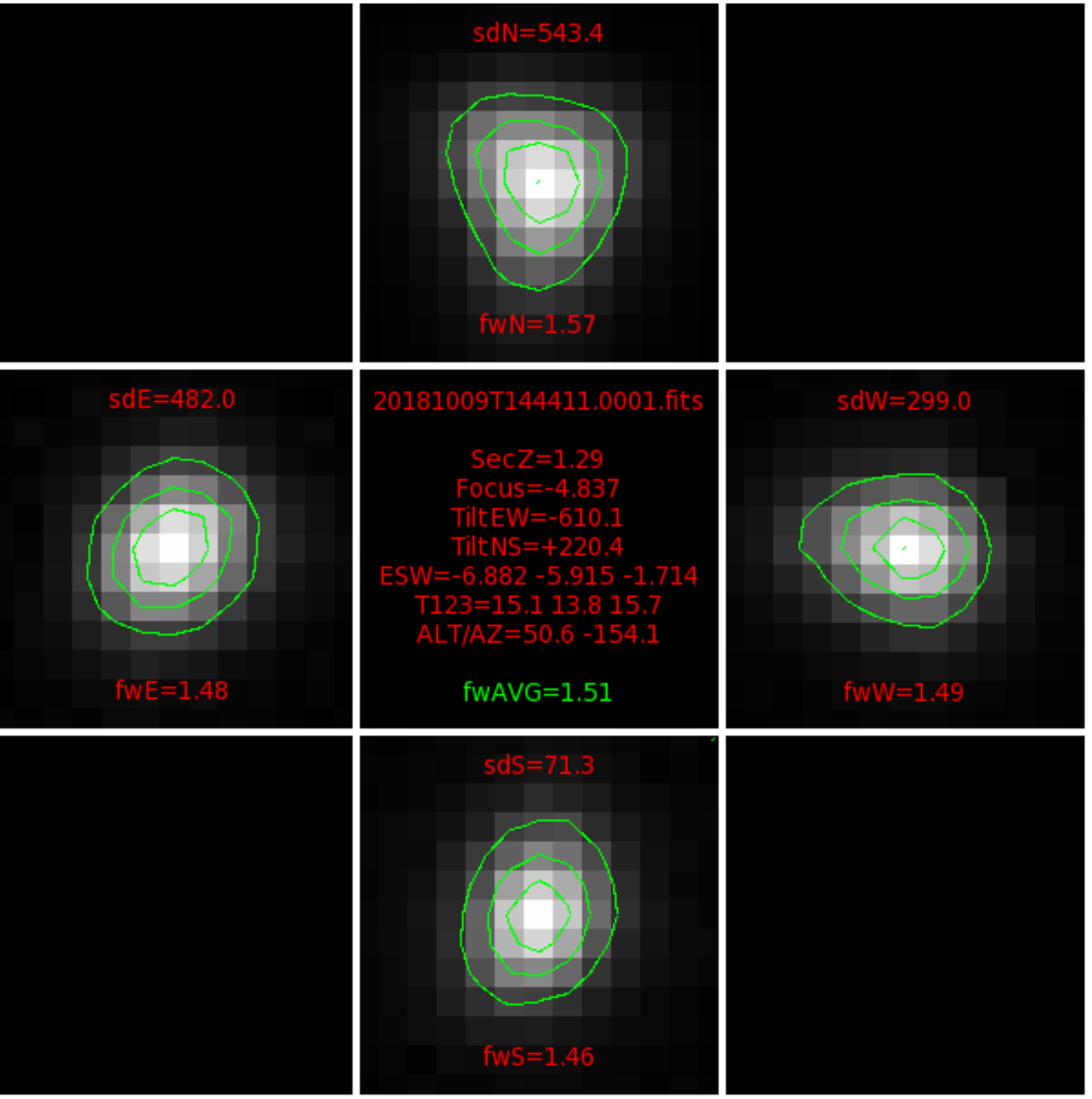
sdN=543.4
fwN=1.57
sdE=482.0
fwE=1.48
20181009T144411.0001.fits
SecZ=1.29
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=15.1 13.8 15.7
ALT/AZ=50.6 -154.1
fwAVG=1.51
sdW=299.0
fwW=1.49
sdS=71.3
fwS=1.46
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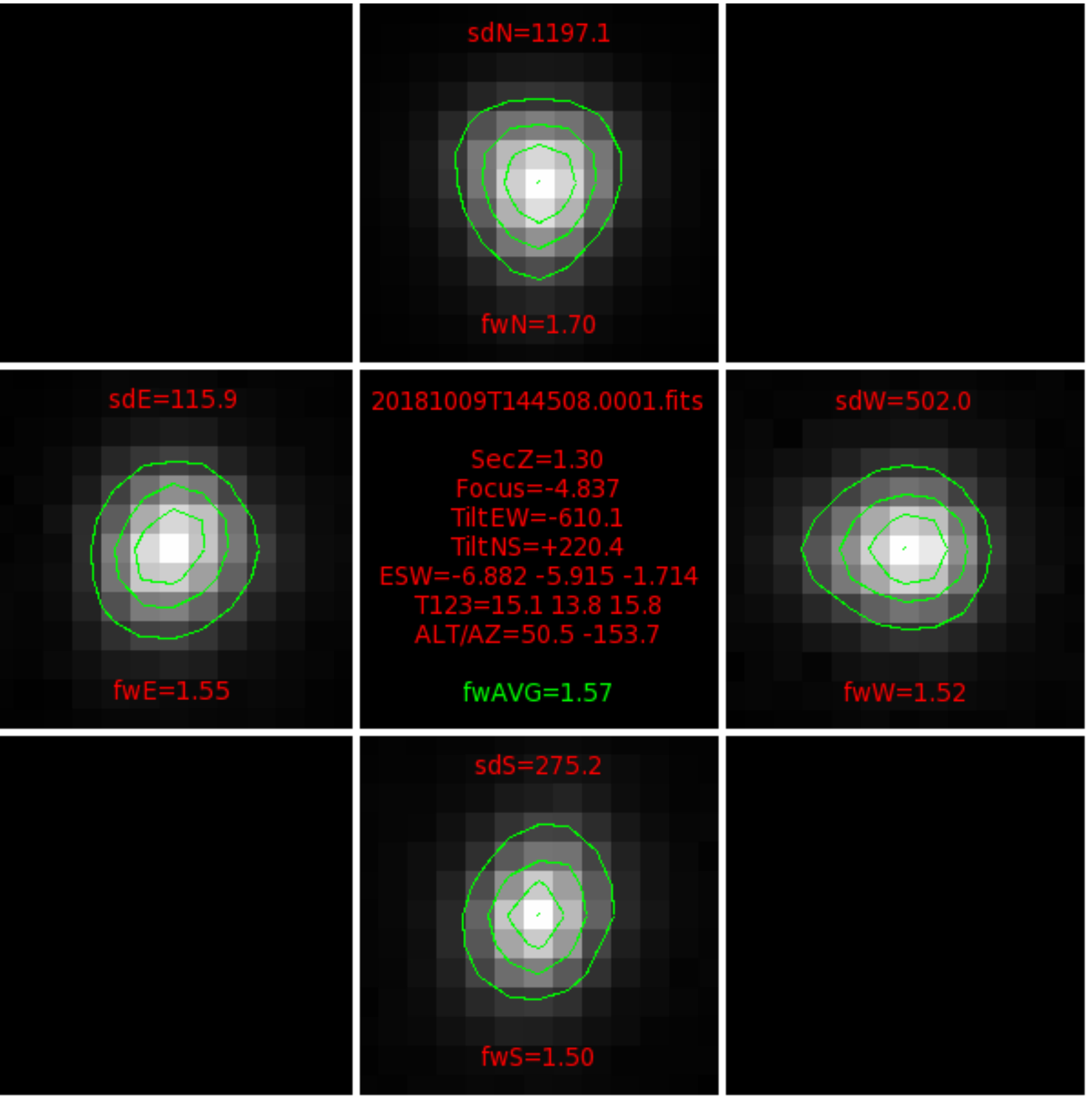
sdN=1197.1
fwN=1.70
sdE=115.9
fwE=1.55
20181009T144508.0001.fits
SecZ=1.30
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=15.1 13.8 15.8
ALT/AZ=50.5 -153.7
fwAVG=1.57
sdW=502.0
fwW=1.52
sdS=275.2
fwS=1.50
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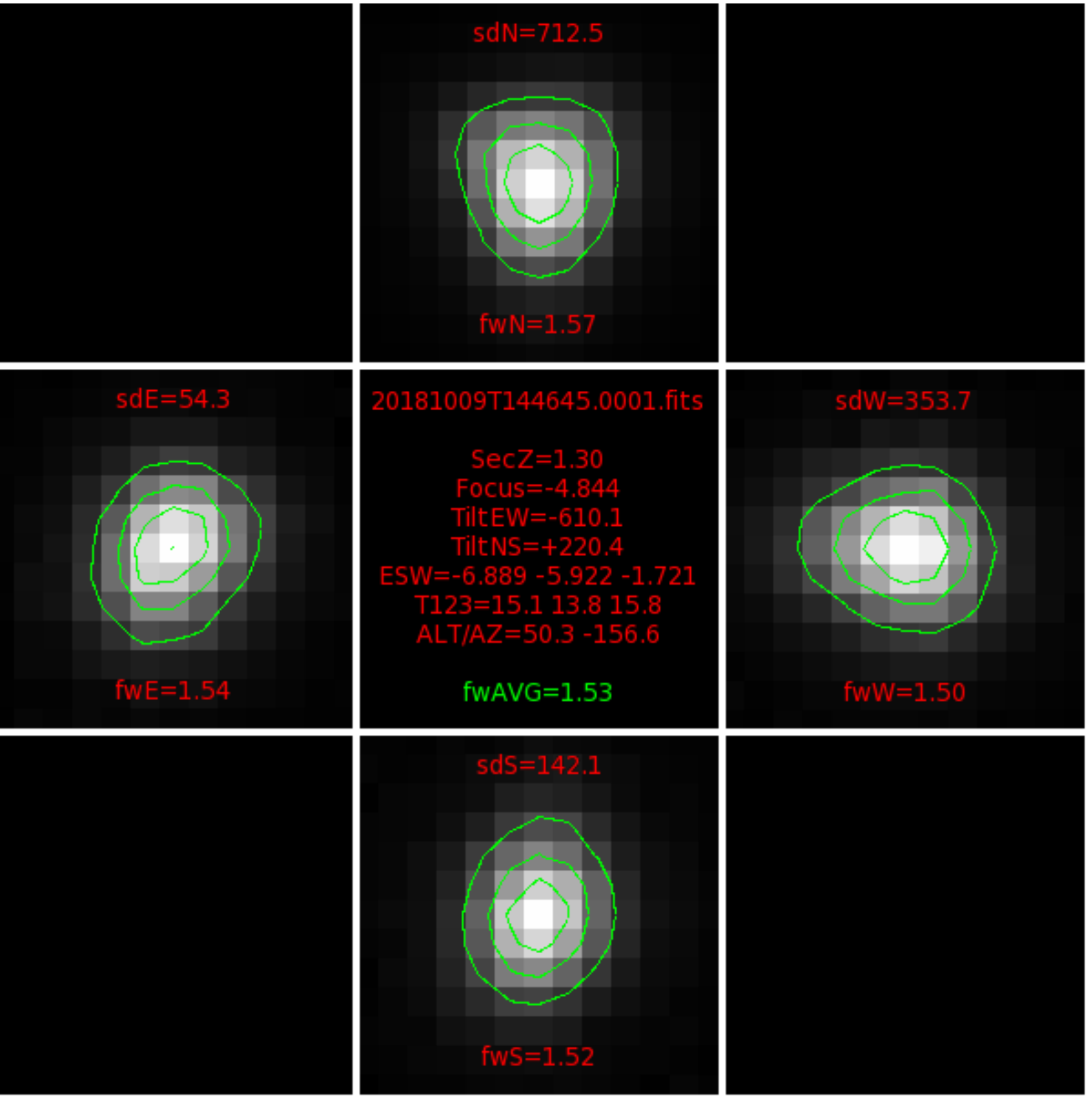
sdN=712.5
fwN=1.57
sdE=54.3
fwE=1.54
20181009T144645.0001.fits
SecZ=1.30
Focus=-4.844
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.889 -5.922 -1.721
T123=15.1 13.8 15.8
ALT/AZ=50.3 -156.6
fwAVG=1.53
sdW=353.7
fwW=1.50
sdS=142.1
fwS=1.52
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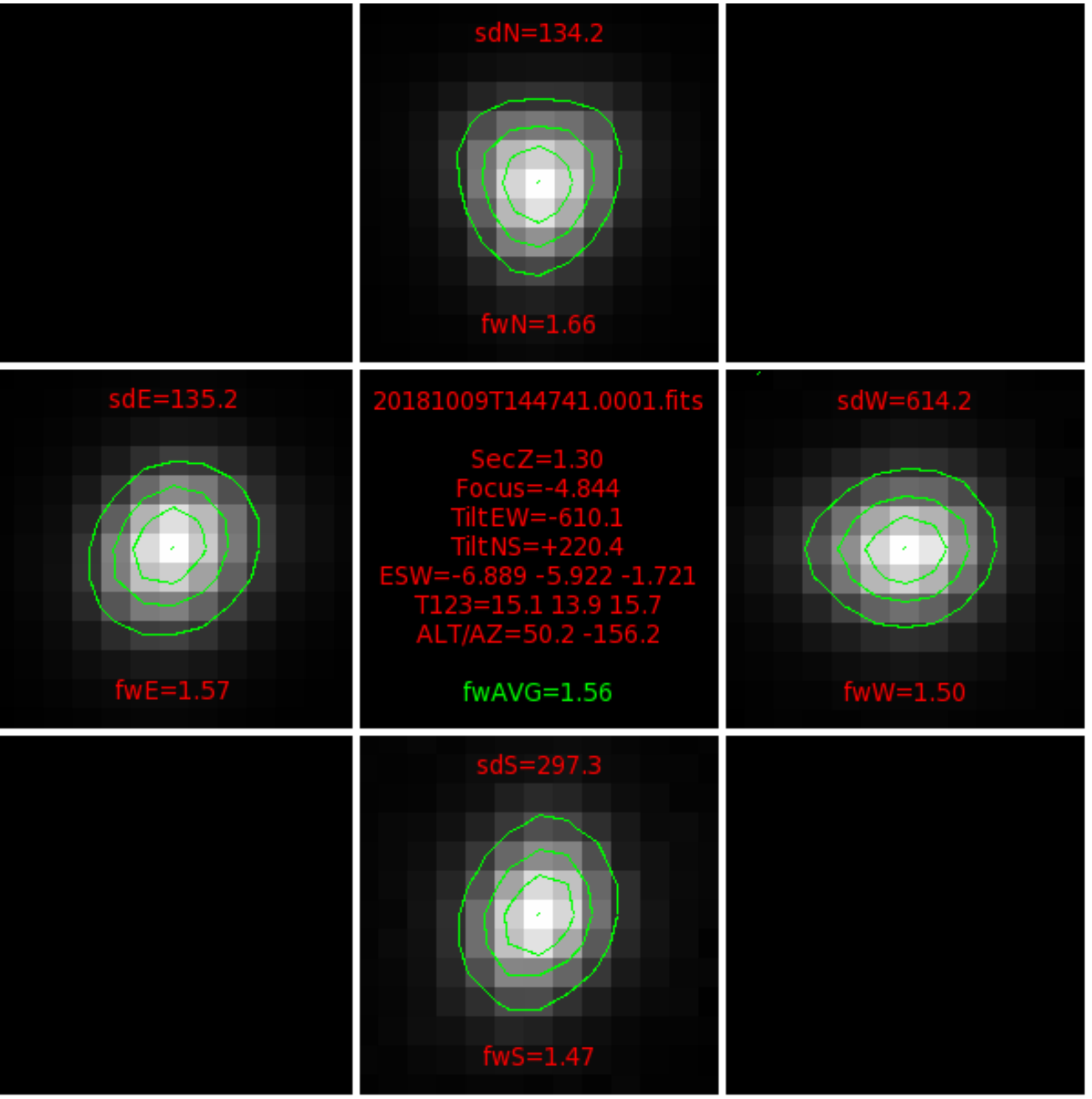
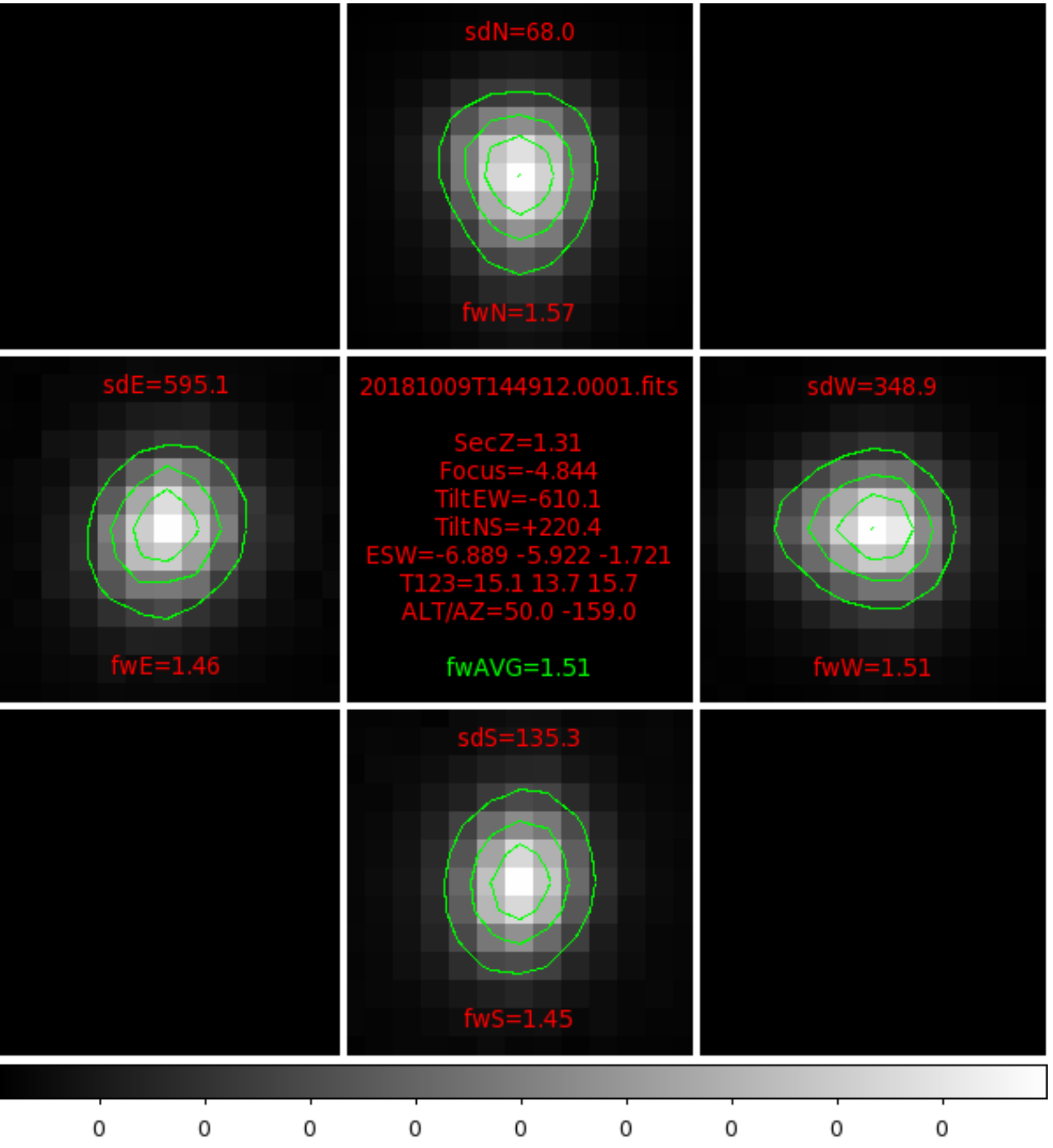

sdN=134.2
fwN=1.66
sdE=135.2
fwE=1.57
20181009T144741.0001.fits
SecZ=1.30
Focus=-4.844
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.889 -5.922 -1.721
T123=15.1 13.9 15.7
ALT/AZ=50.2 -156.2
fwAVG=1.56
sdW=614.2
fwW=1.50
sdS=297.3
fwS=1.47
0 0 0 0 0 0 0 0 0


sdN=68.0
fwN=1.57
sdE=595.1
fwE=1.46
20181009T144912.0001.fits
SecZ=1.31
Focus=-4.844
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.889 -5.922 -1.721
T123=15.1 13.7 15.7
ALT/AZ=50.0 -159.0
fwAVG=1.51
sdW=348.9
fwW=1.51
sdS=135.3
fwS=1.45
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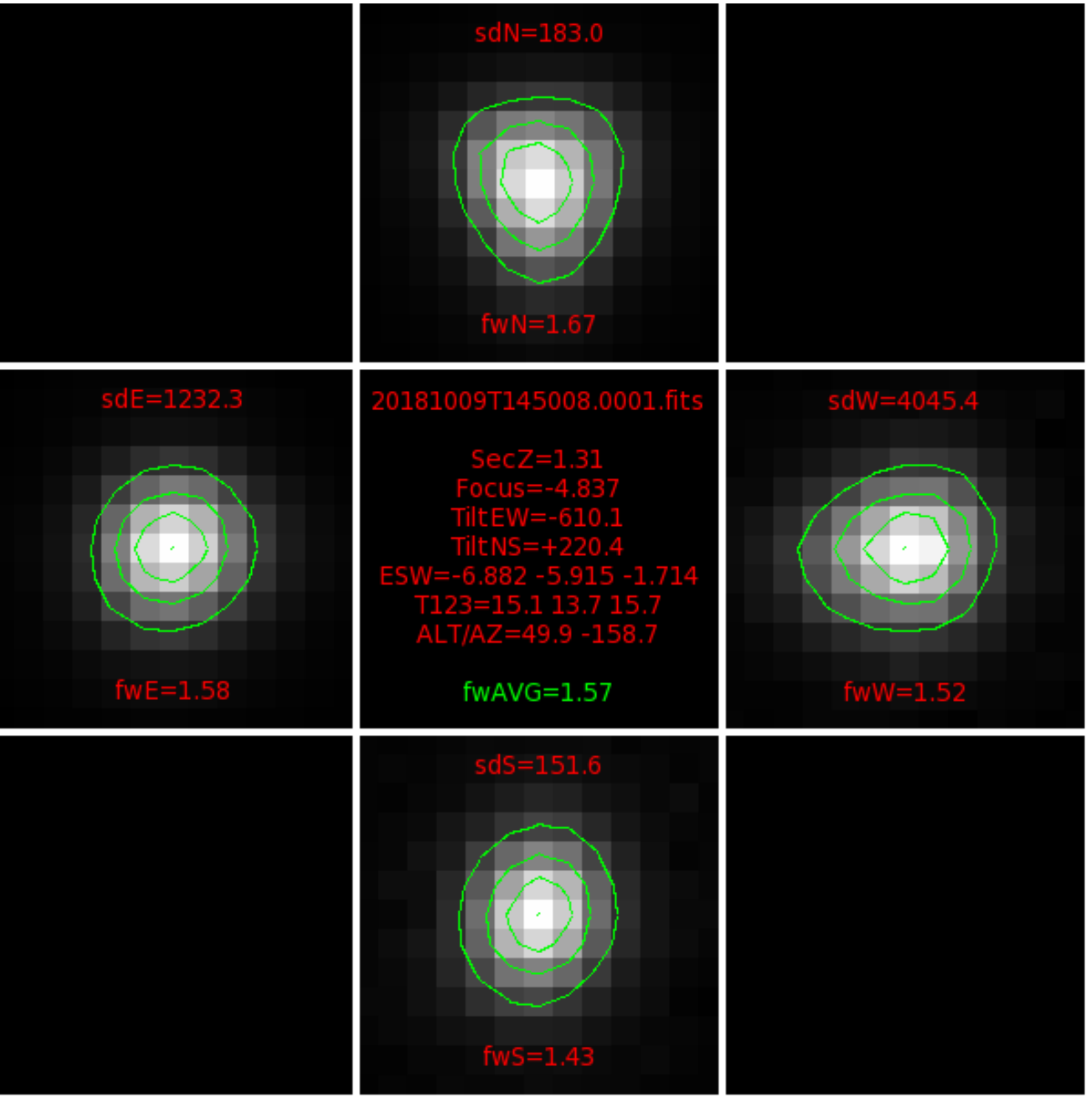
sdN=183.0
fwN=1.67
sdE=1232.3
fwE=1.58
20181009T145008.0001.fits
SecZ=1.31
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=15.1 13.7 15.7
ALT/AZ=49.9 -158.7
fwAVG=1.57
sdW=4045.4
fwW=1.52
sdS=151.6
fwS=1.43
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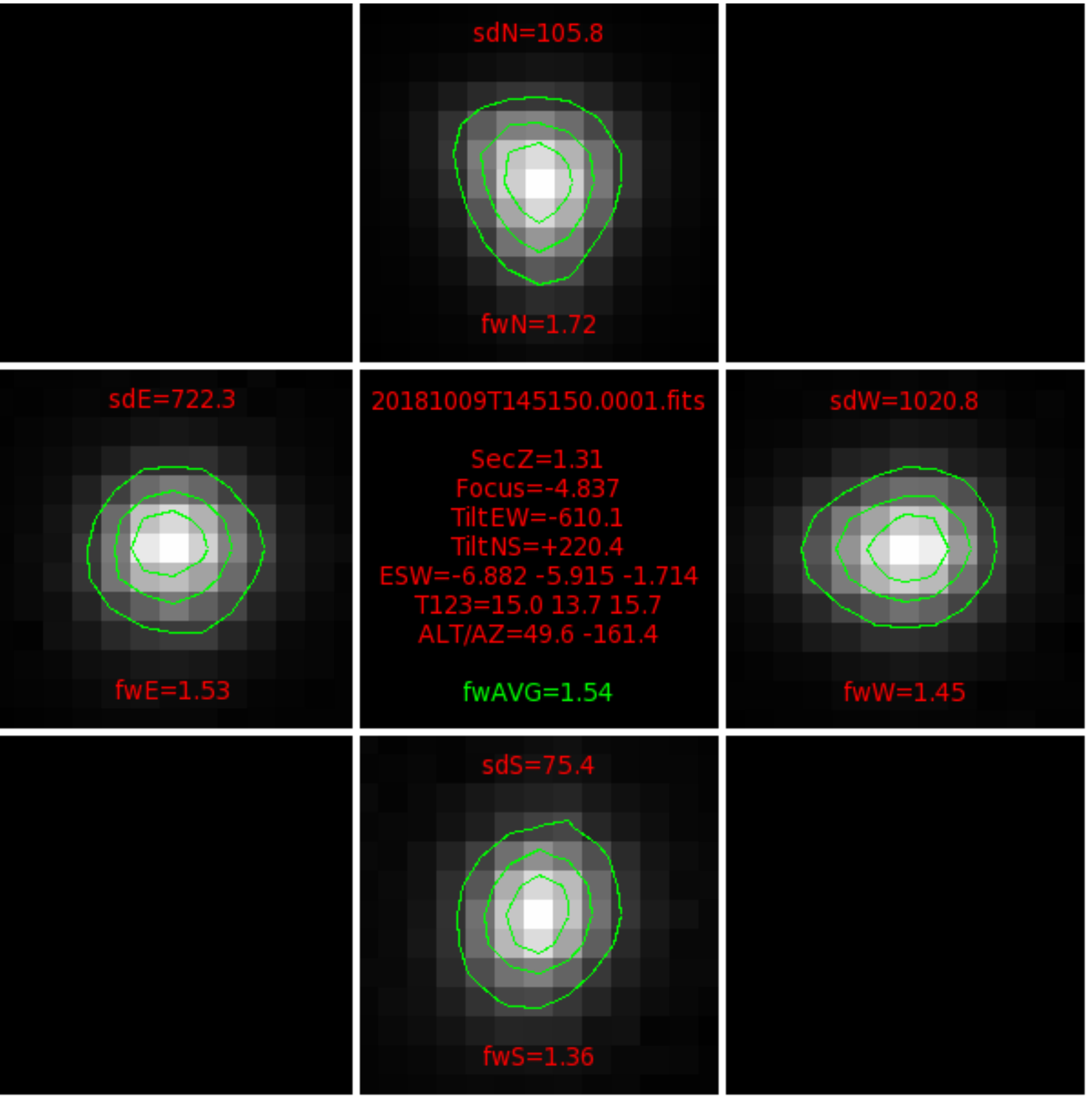
sdN=105.8
fwN=1.72
sdE=722.3
fwE=1.53
20181009T145150.0001.fits
SecZ=1.31
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=15.0 13.7 15.7
ALT/AZ=49.6 -161.4
fwAVG=1.54
sdW=1020.8
fwW=1.45
sdS=75.4
fwS=1.36
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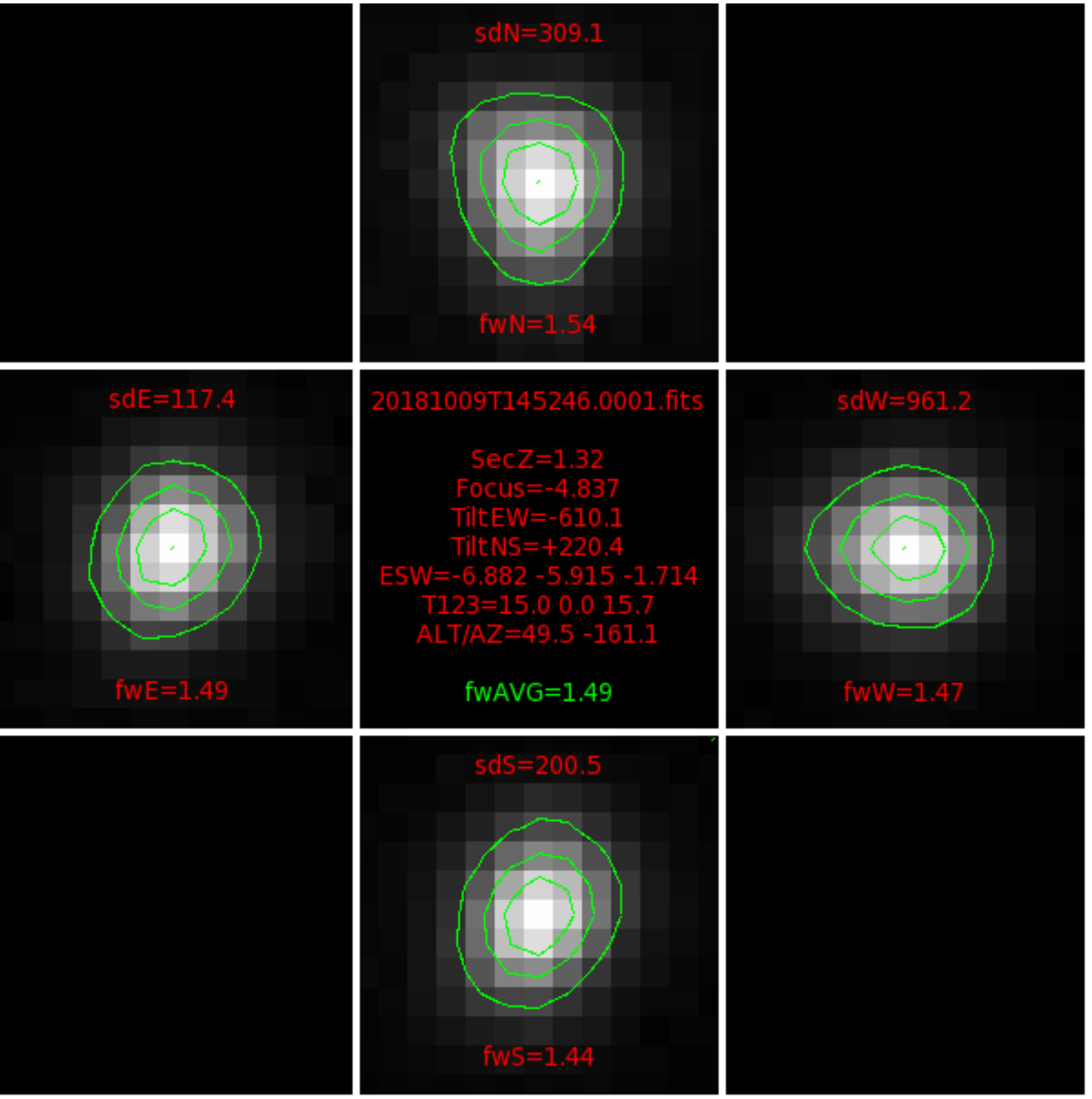
sdN=309.1
fwN=1.54
sdE=117.4
fwE=1.49
20181009T145246.0001.fits
SecZ=1.32
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=15.0 0.0 15.7
ALT/AZ=49.5 -161.1
fwAVG=1.49
sdW=961.2
fwW=1.47
sdS=200.5
fwS=1.44
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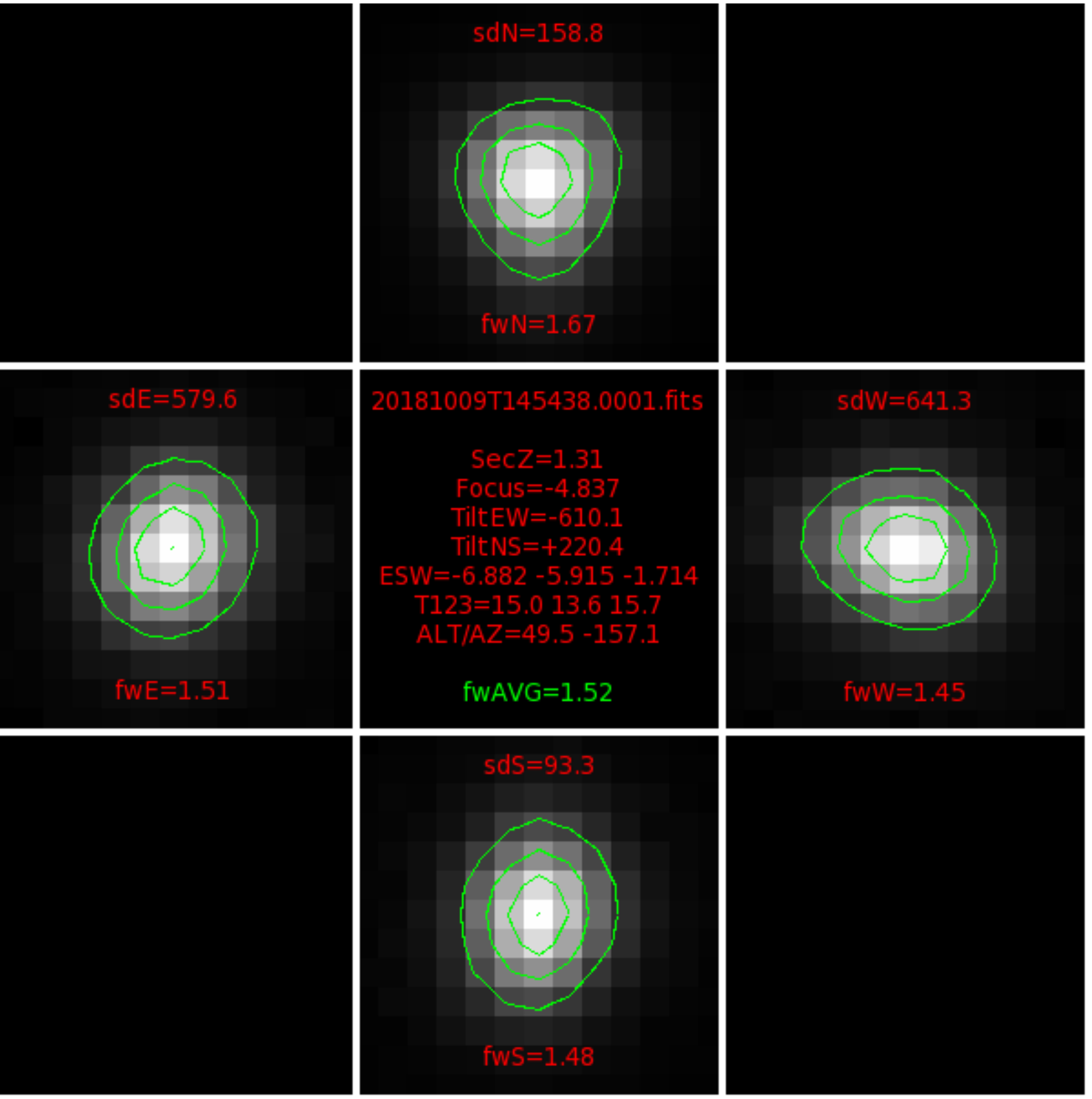
sdN=158.8
fwN=1.67
sdE=579.6
fwE=1.51
20181009T145438.0001.fits
SecZ=1.31
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=15.0 13.6 15.7
ALT/AZ=49.5 -157.1
fwAVG=1.52
sdW=641.3
fwW=1.45
sdS=93.3
fwS=1.48
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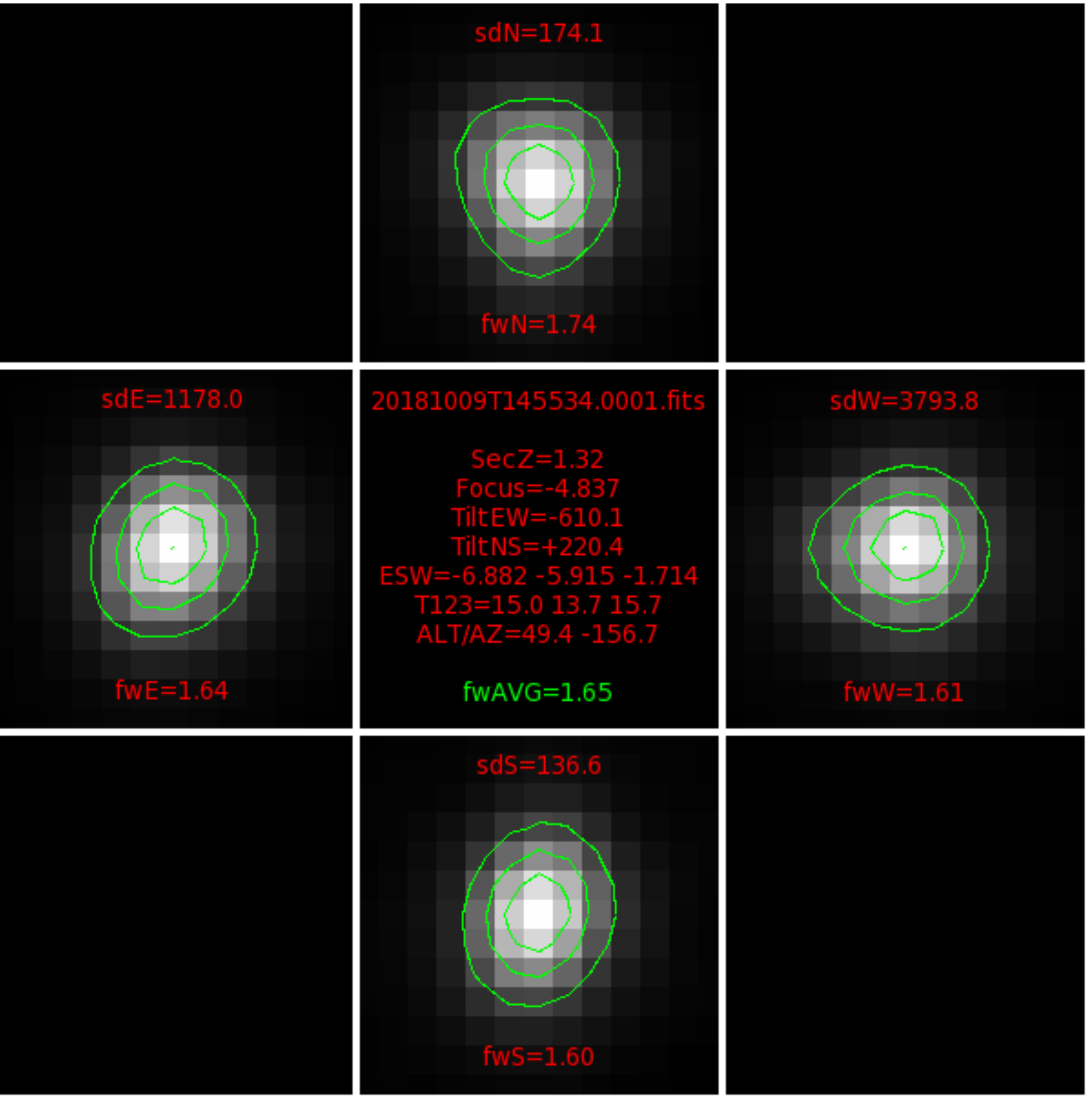
sdN=174.1
fwN=1.74
sdE=1178.0
fwE=1.64
20181009T145534.0001.fits
SecZ=1.32
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=15.0 13.7 15.7
ALT/AZ=49.4 -156.7
fwAVG=1.65
sdW=3793.8
fwW=1.61
sdS=136.6
fwS=1.60
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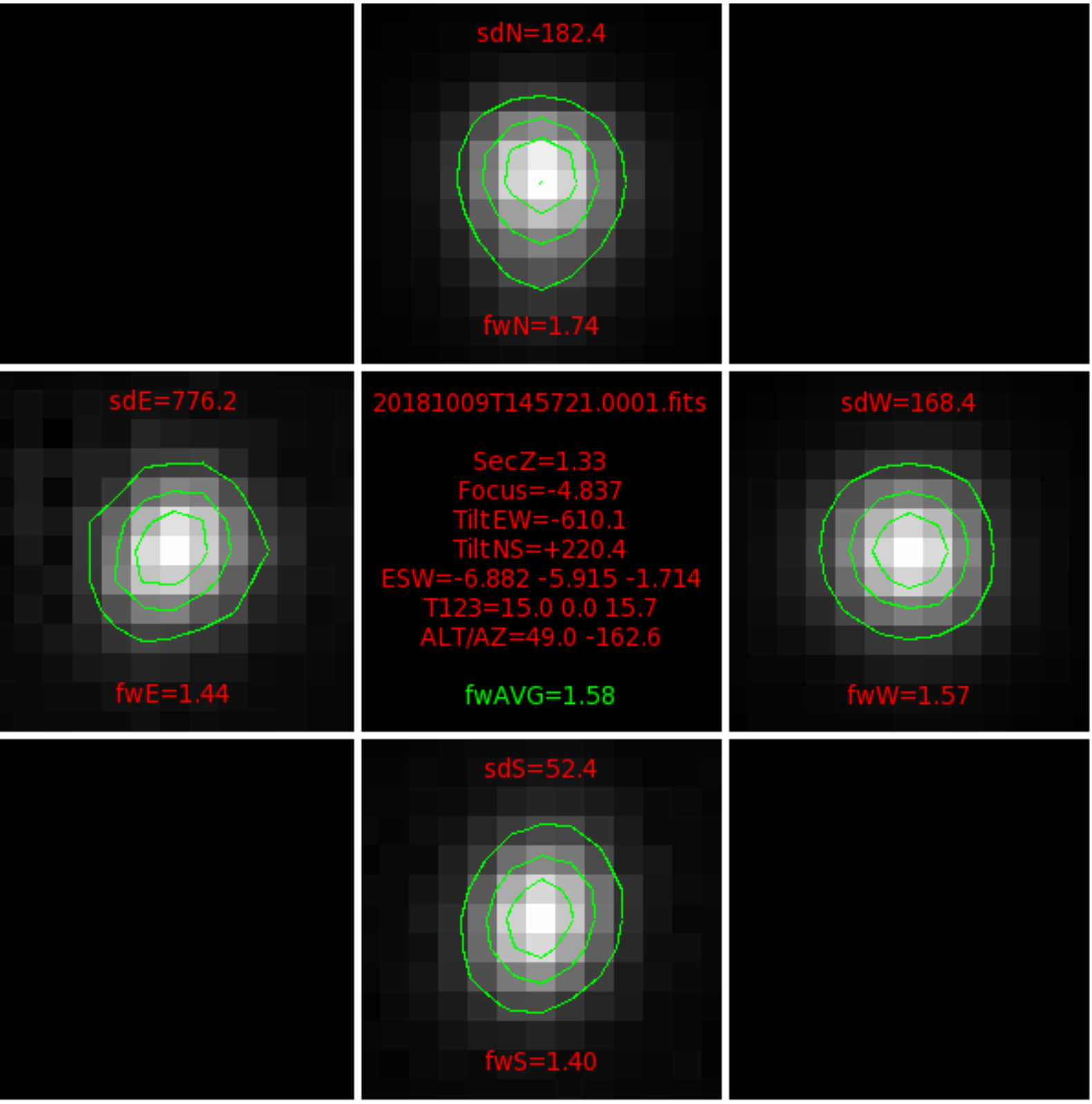
sdN=182.4
fwN=1.74
sdE=776.2
fwE=1.44
20181009T145721.0001.fits
SecZ=1.33
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=15.0 0.0 15.7
ALT/AZ=49.0 -162.6
fwAVG=1.58
sdW=168.4
fwW=1.57
sdS=52.4
fwS=1.40
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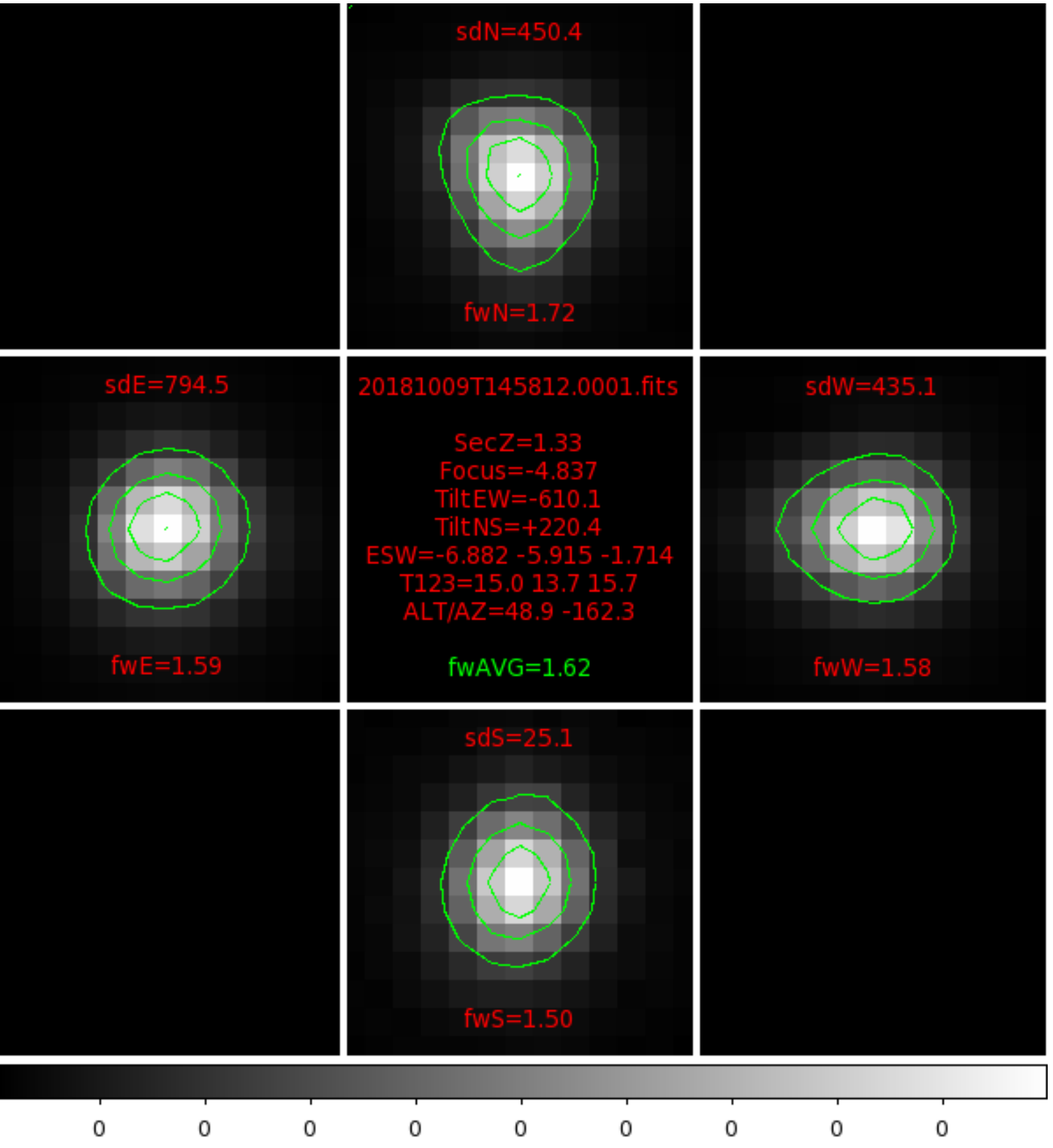
sdN=450.4
fwN=1.72
sdE=794.5
fwE=1.59
20181009T145812.0001.fits
SecZ=1.33
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=15.0 13.7 15.7
ALT/AZ=48.9 -162.3
fwAVG=1.62
sdW=435.1
fwW=1.58
sdS=25.1
fwS=1.50
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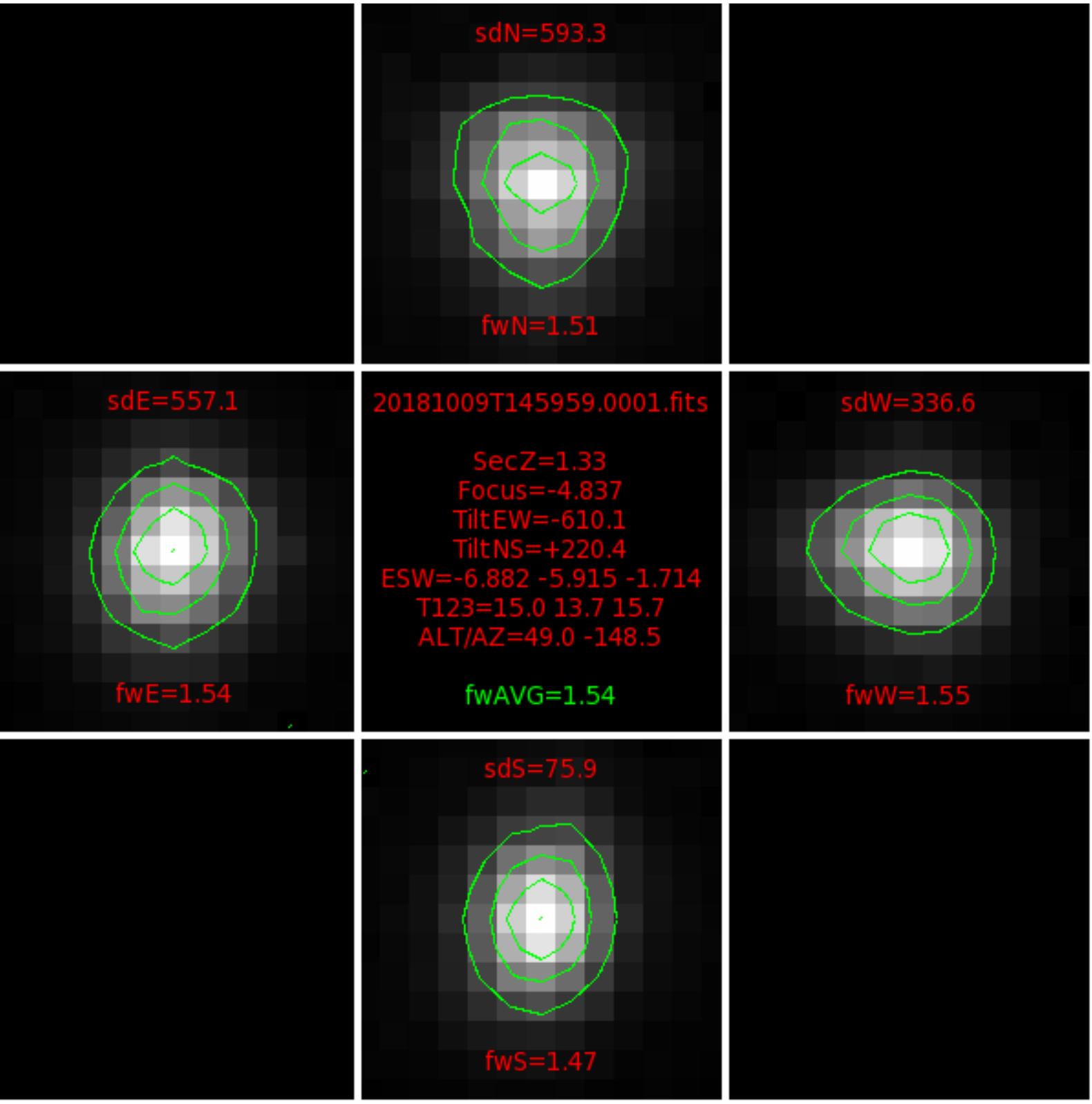
sdN=593.3
fwN=1.51
sdE=557.1
fwE=1.54
20181009T145959.0001.fits
SecZ=1.33
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=15.0 13.7 15.7
ALT/AZ=49.0 -148.5
fwAVG=1.54
sdW=336.6
fwW=1.55
sdS=75.9
fwS=1.47
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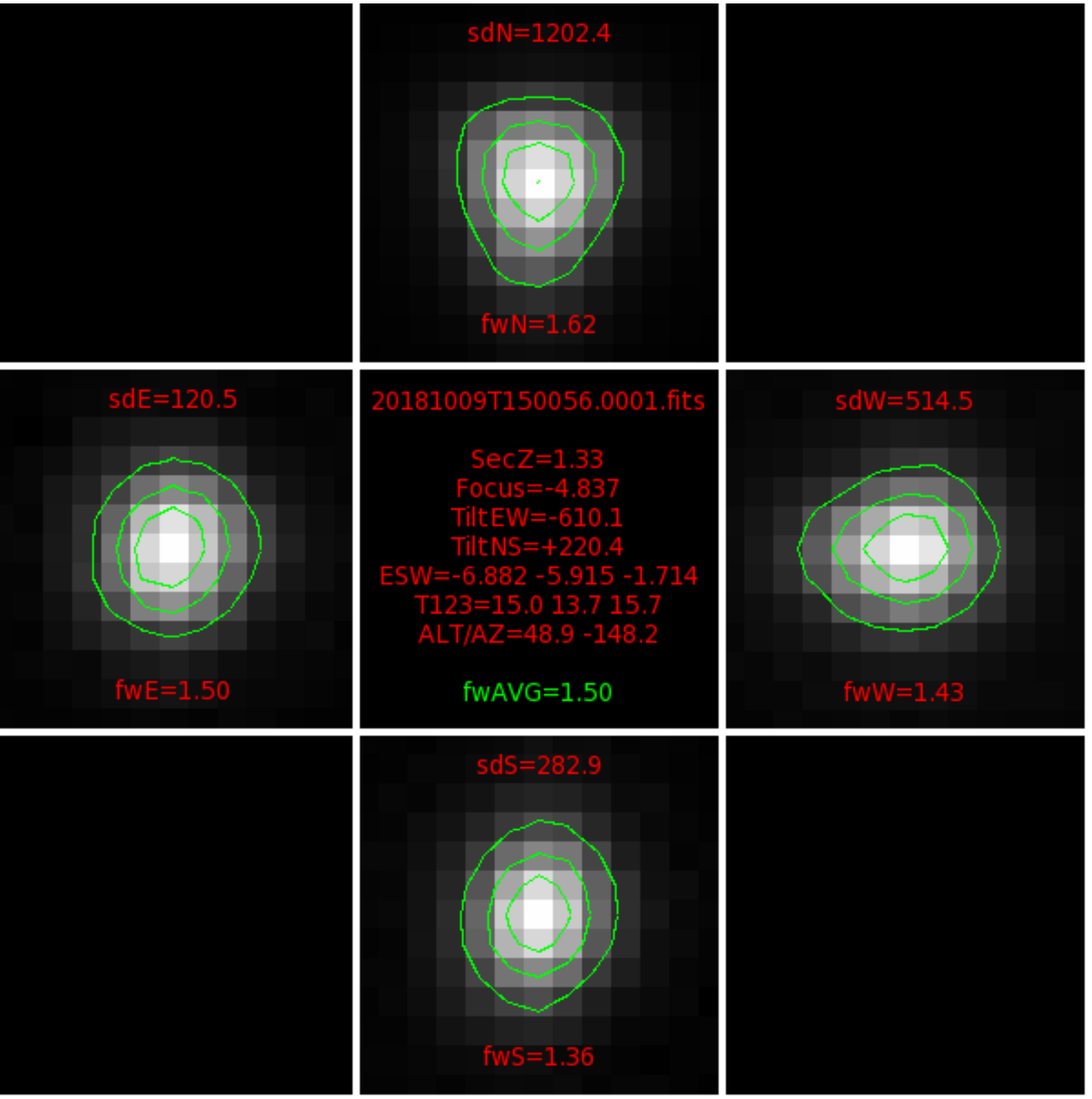
sdN=1202.4
fwN=1.62
sdE=120.5
fwE=1.50
20181009T150056.0001.fits
SecZ=1.33
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=15.0 13.7 15.7
ALT/AZ=48.9 -148.2
fwAVG=1.50
sdW=514.5
fwW=1.43
sdS=282.9
fwS=1.36
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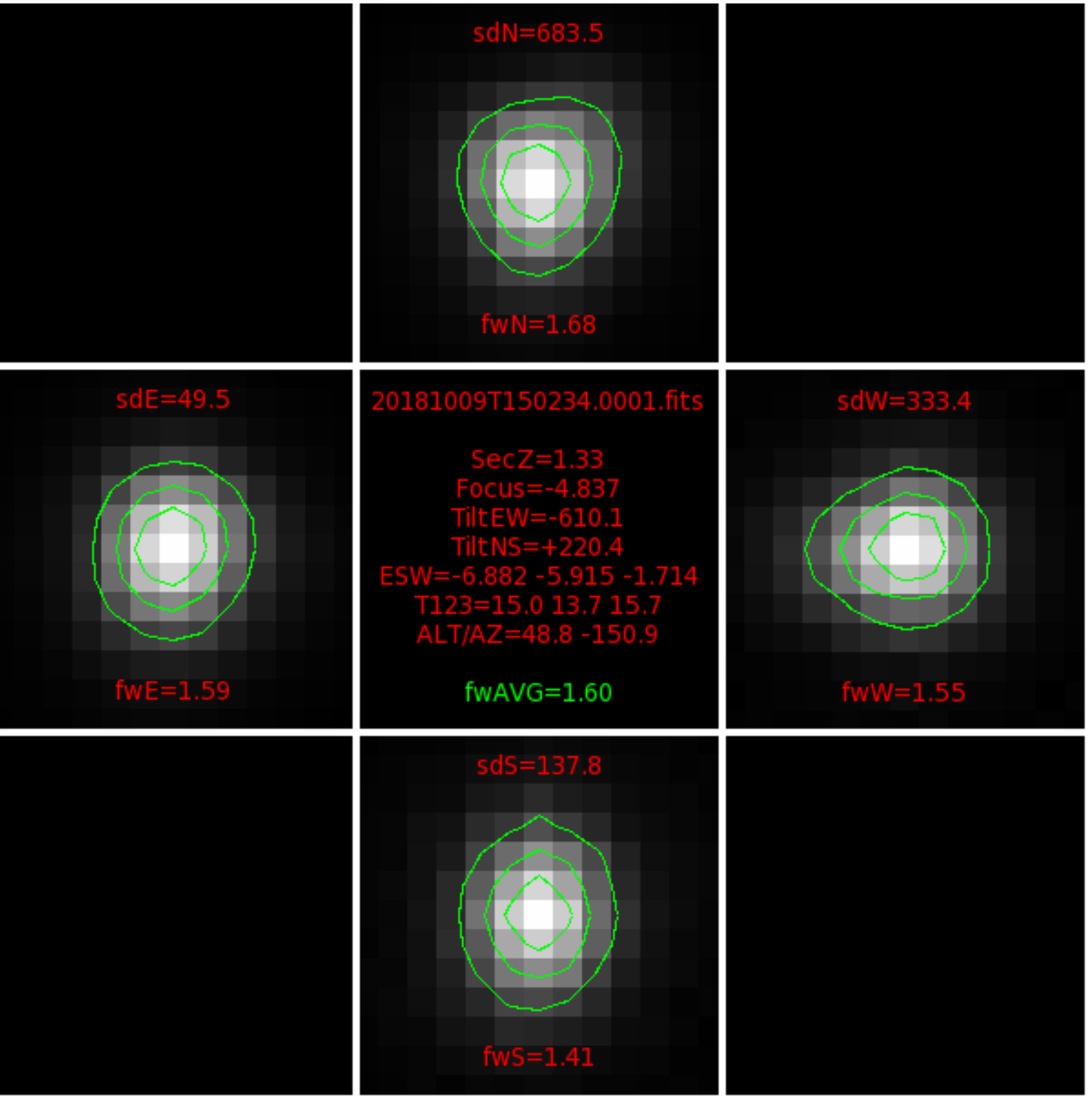
sdN=683.5
fwN=1.68
sdE=49.5
fwE=1.59
20181009T150234.0001.fits
SecZ=1.33
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=15.0 13.7 15.7
ALT/AZ=48.8 -150.9
fwAVG=1.60
sdW=333.4
fwW=1.55
sdS=137.8
fwS=1.41
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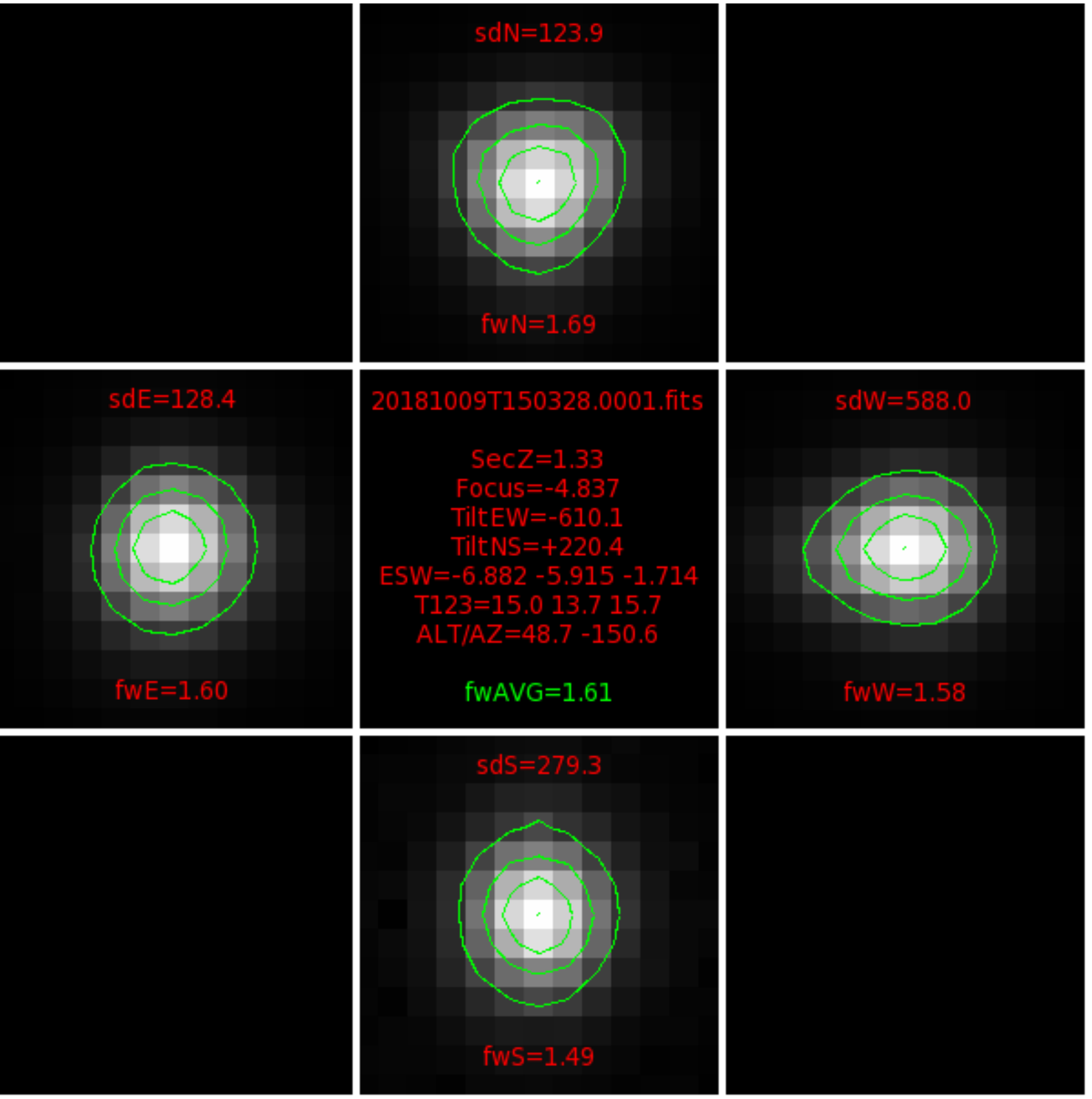
sdN=123.9
fwN=1.69
sdE=128.4
fwE=1.60
20181009T150328.0001.fits
SecZ=1.33
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=15.0 13.7 15.7
ALT/AZ=48.7 -150.6
fwAVG=1.61
sdW=588.0
fwW=1.58
sdS=279.3
fwS=1.49
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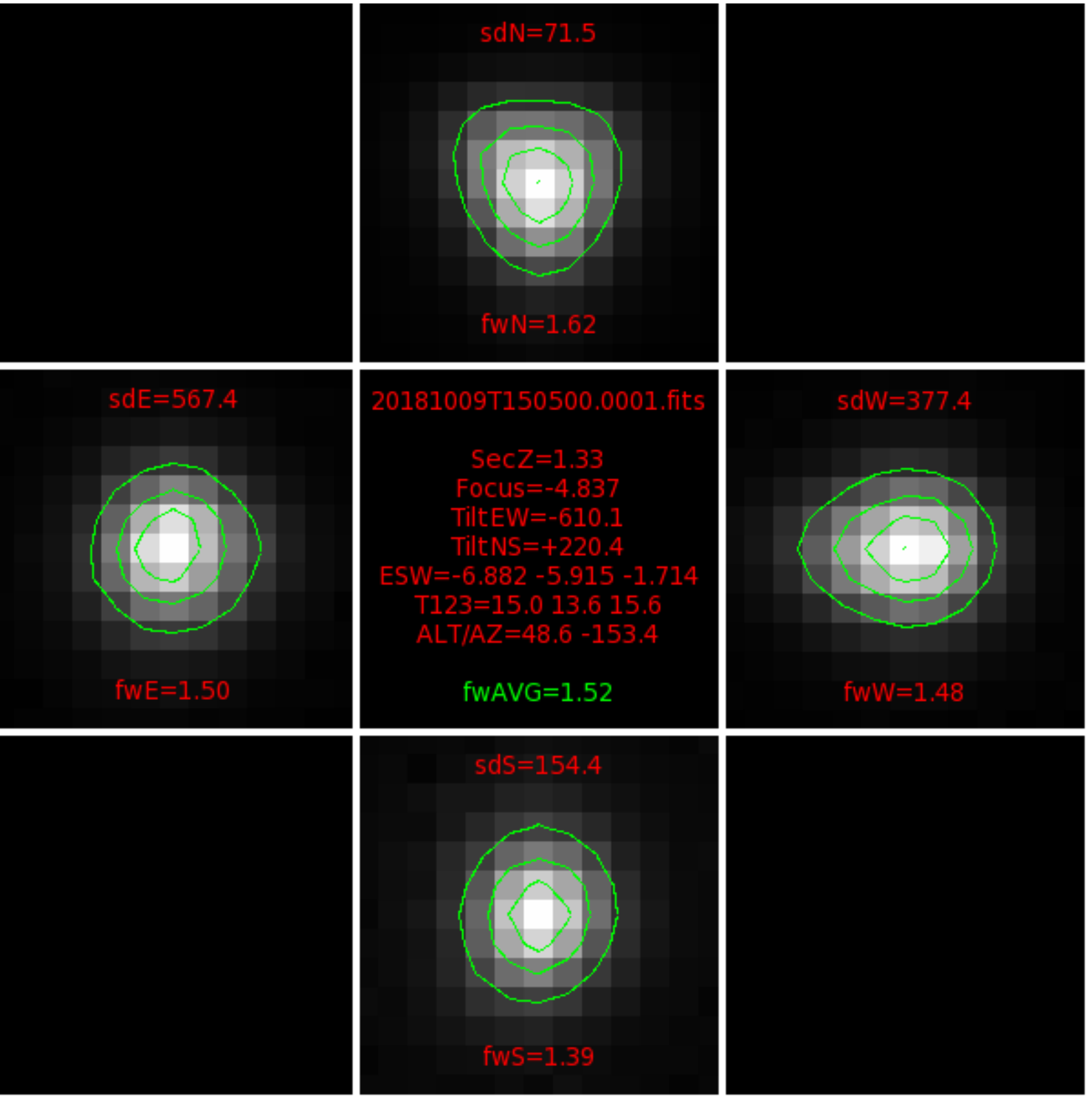
sdN=71.5
fwN=1.62
sdE=567.4
fwE=1.50
20181009T150500.0001.fits
SecZ=1.33
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=15.0 13.6 15.6
ALT/AZ=48.6 -153.4
fwAVG=1.52
sdW=377.4
fwW=1.48
sdS=154.4
fwS=1.39
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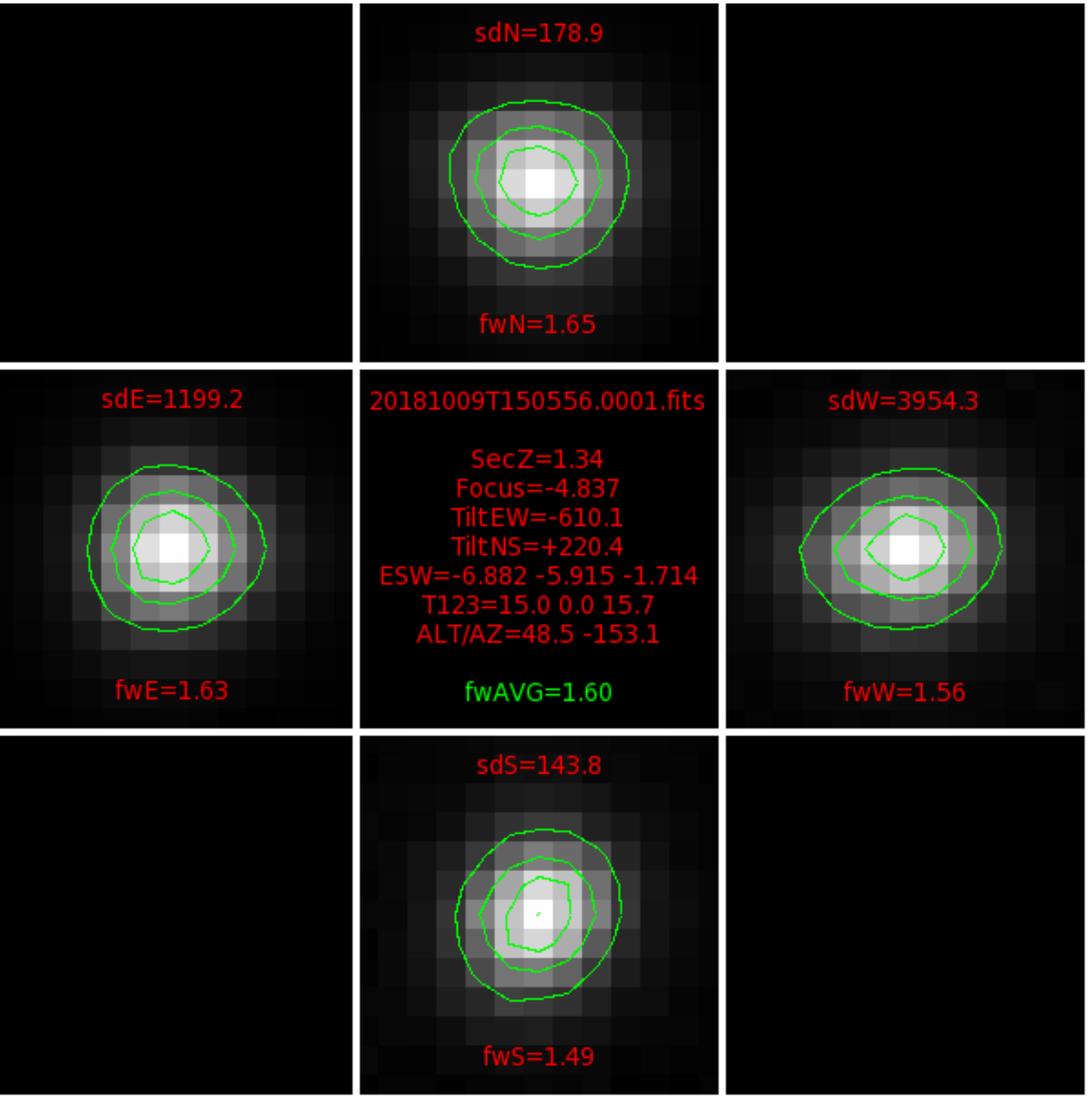
sdN=178.9
fwN=1.65
sdE=1199.2
fwE=1.63
20181009T150556.0001.fits
SecZ=1.34
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=15.0 0.0 15.7
ALT/AZ=48.5 -153.1
fwAVG=1.60
sdW=3954.3
fwW=1.56
sdS=143.8
fwS=1.49
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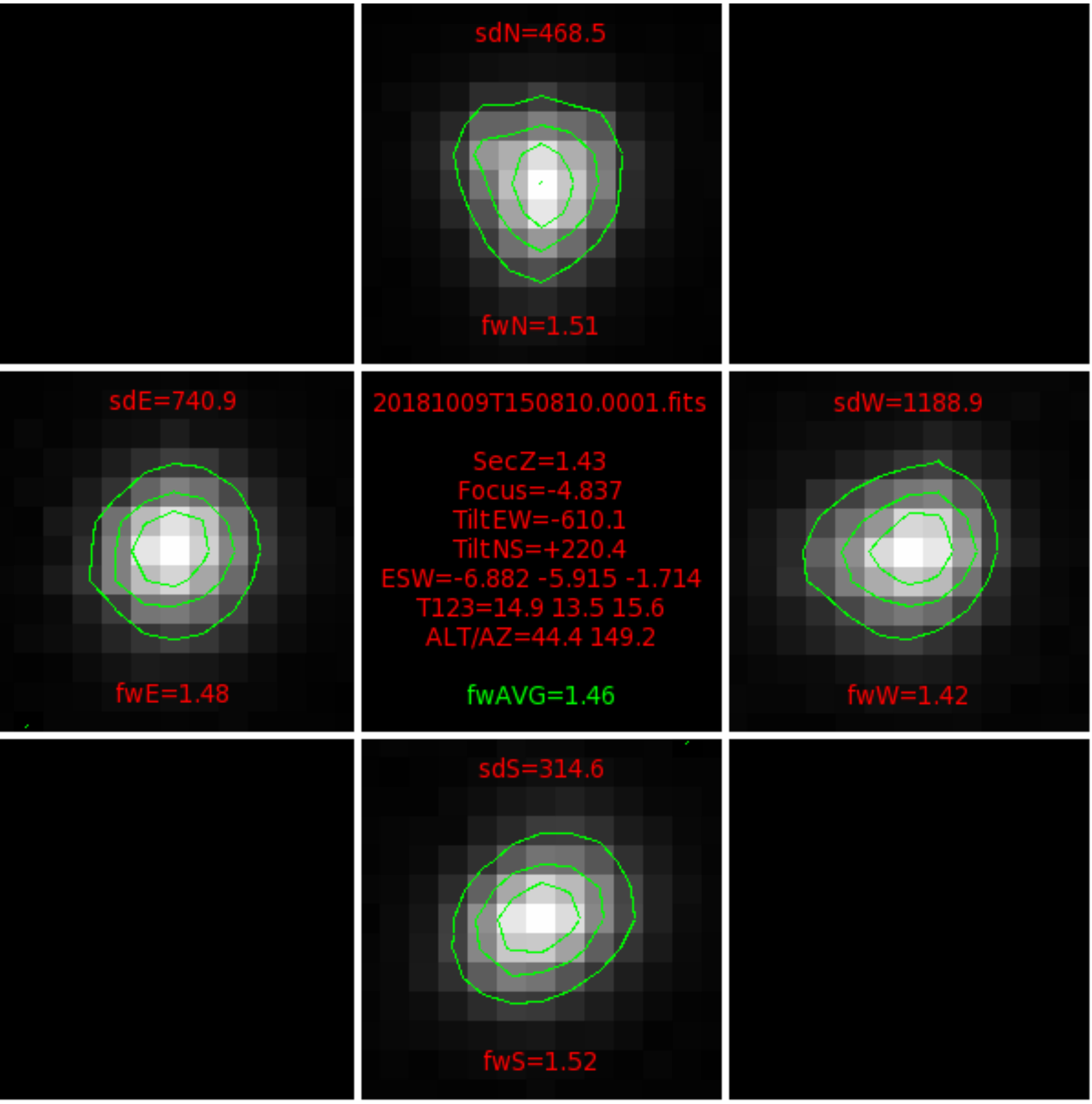
sdN=468.5
fwN=1.51
sdE=740.9
fwE=1.48
20181009T150810.0001.fits
SecZ=1.43
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=14.9 13.5 15.6
ALT/AZ=44.4 149.2
fwAVG=1.46
sdW=1188.9
fwW=1.42
sdS=314.6
fwS=1.52
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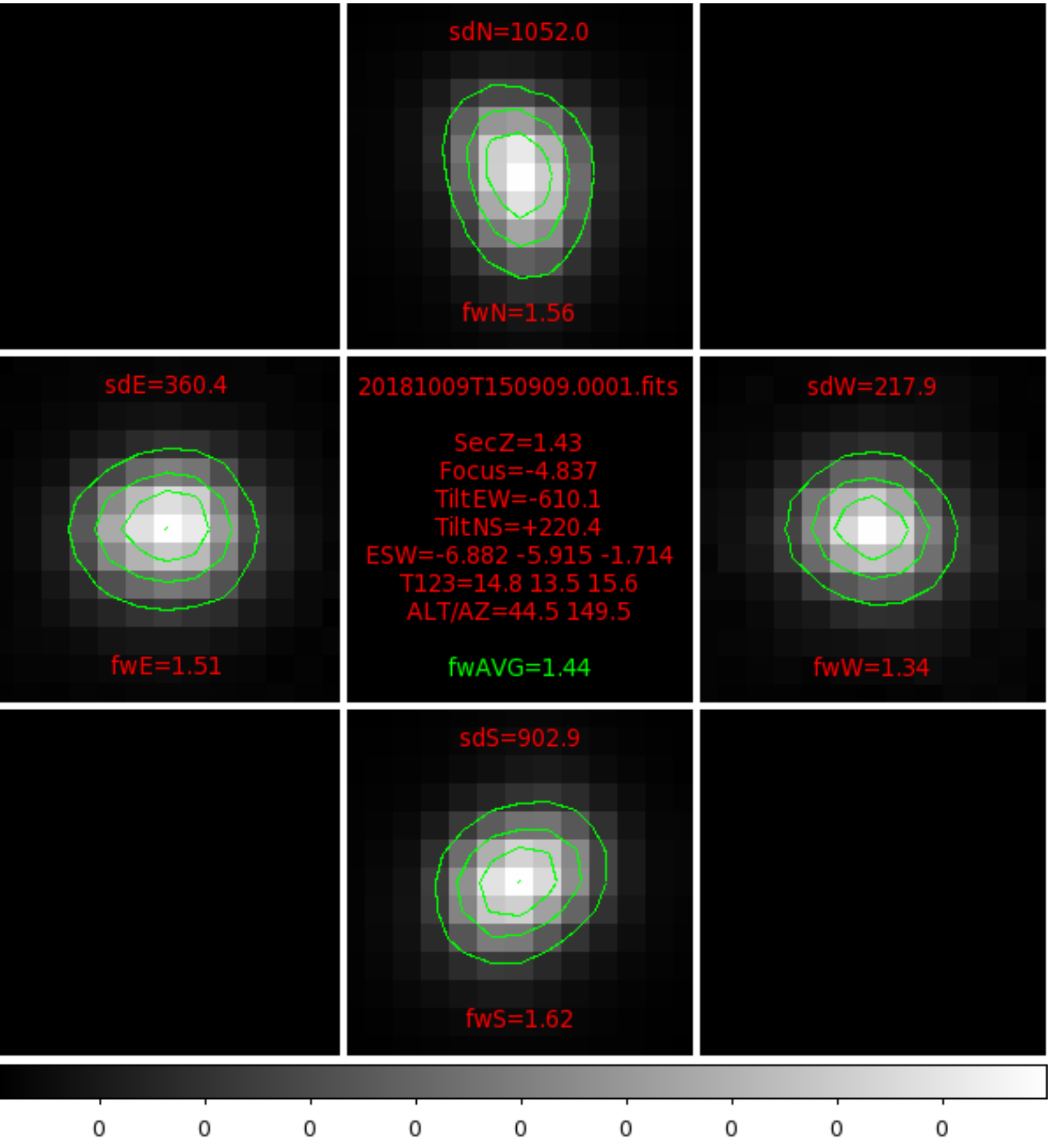
sdN=1052.0
fwN=1.56
sdE=360.4
fwE=1.51
20181009T150909.0001.fits
SecZ=1.43
Focus=-4.837
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.882 -5.915 -1.714
T123=14.8 13.5 15.6
ALT/AZ=44.5 149.5
fwAVG=1.44
sdW=217.9
fwW=1.34
sdS=902.9
fwS=1.62
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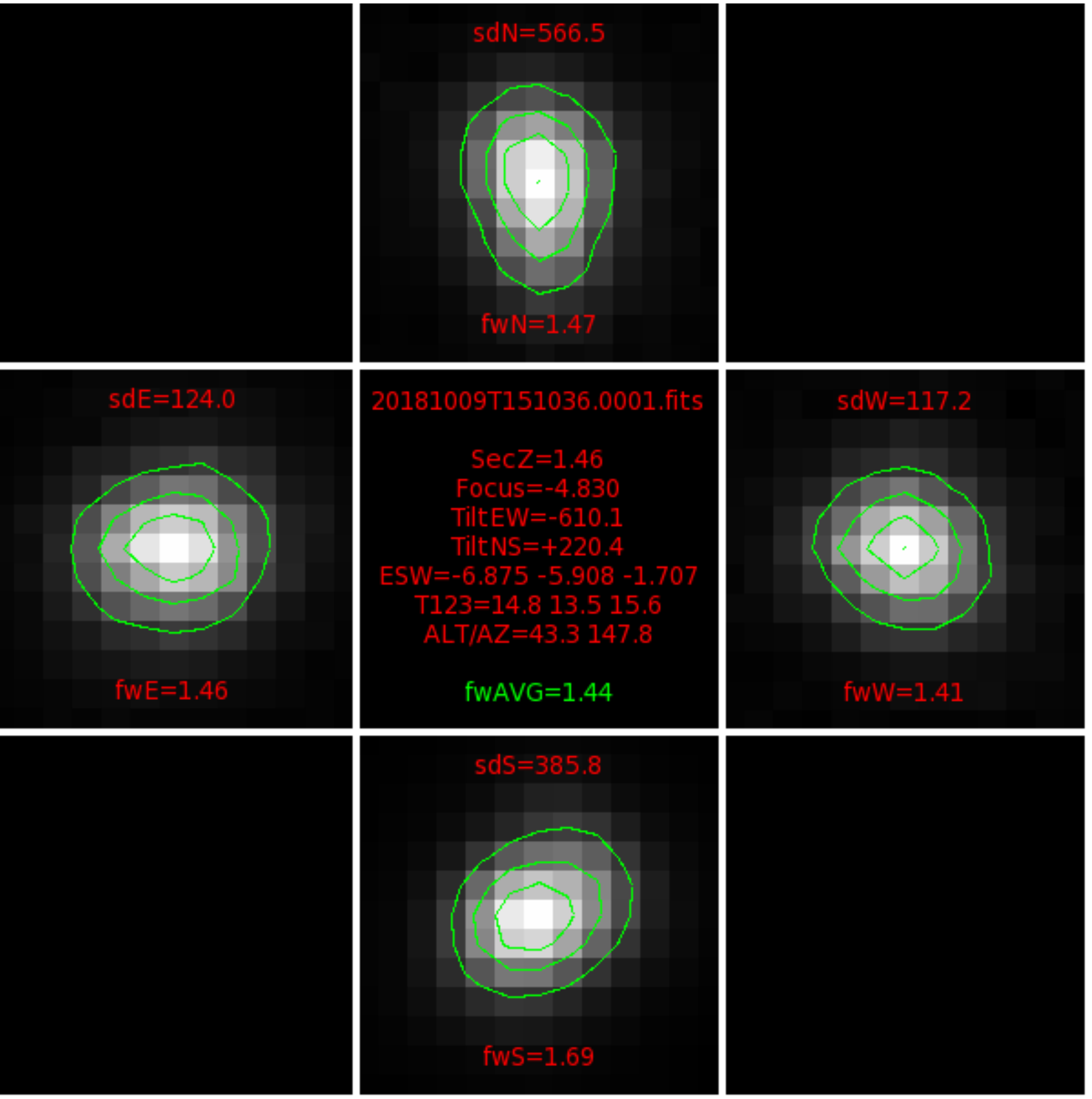
sdN=566.5
fwN=1.47
sdE=124.0
fwE=1.46
20181009T151036.0001.fits
SecZ=1.46
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=14.8 13.5 15.6
ALT/AZ=43.3 147.8
fwAVG=1.44
sdW=117.2
fwW=1.41
sdS=385.8
fwS=1.69
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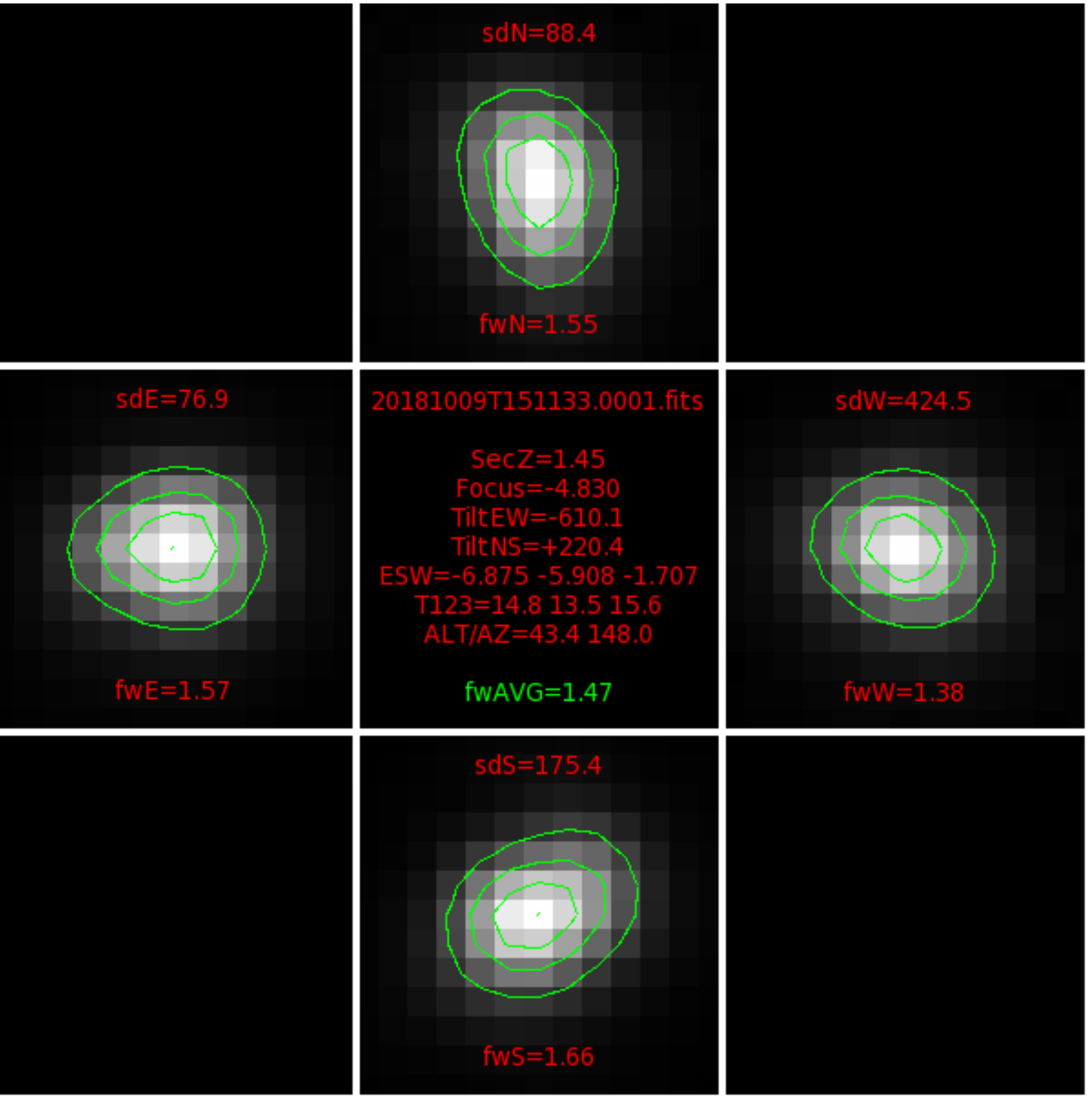
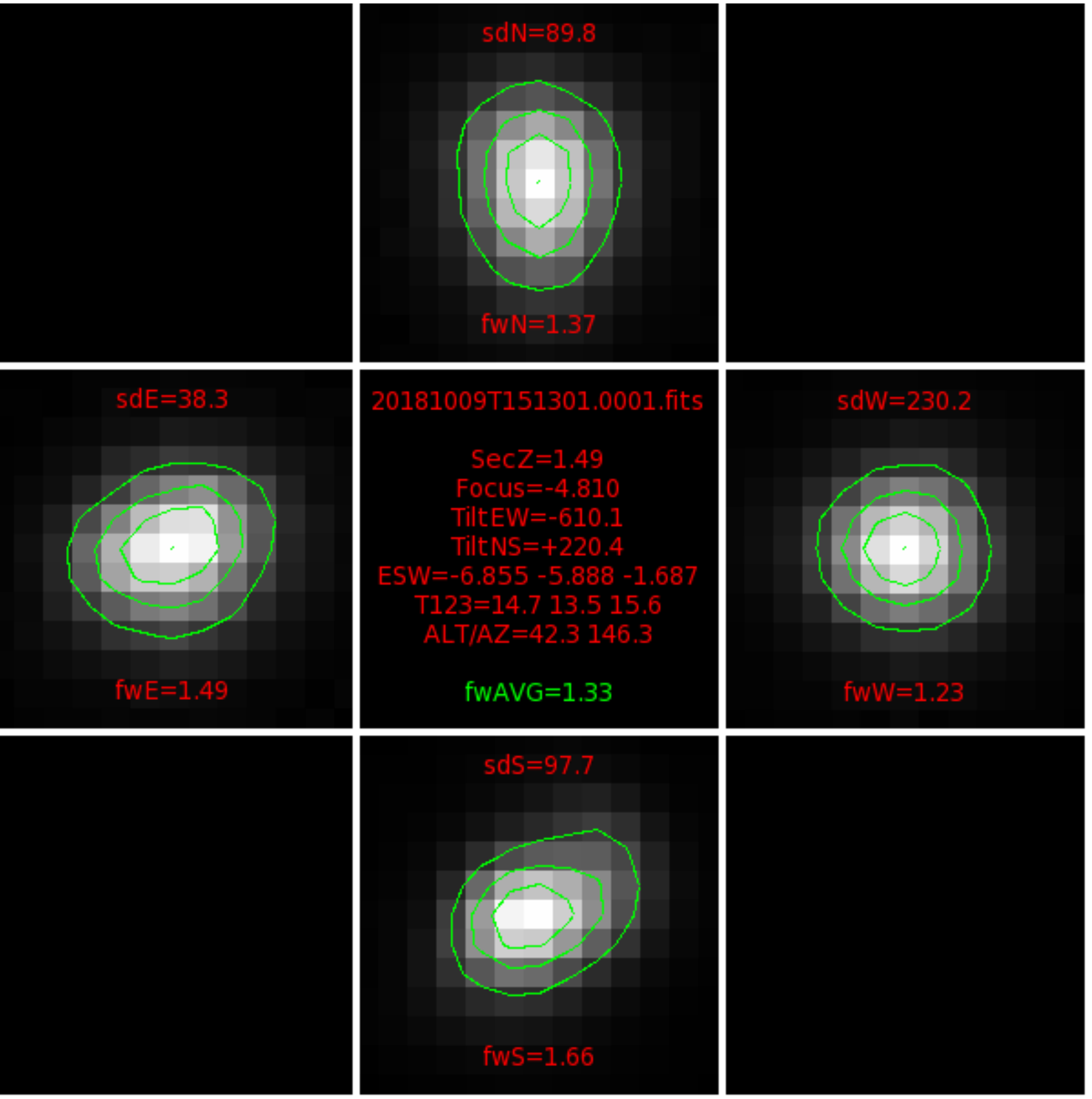

sdN=88.4
fwN=1.55
sdE=76.9
fwE=1.57
20181009T151133.0001.fits
SecZ=1.45
Focus=-4.830
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.875 -5.908 -1.707
T123=14.8 13.5 15.6
ALT/AZ=43.4 148.0
fwAVG=1.47
sdW=424.5
fwW=1.38
sdS=175.4
fwS=1.66
0 0 0 0 0 0 0 0 0


sdN=89.8
fwN=1.37
sdE=38.3
fwE=1.49
20181009T151301.0001.fits
SecZ=1.49
Focus=-4.810
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.855 -5.888 -1.687
T123=14.7 13.5 15.6
ALT/AZ=42.3 146.3
fwAVG=1.33
sdW=230.2
fwW=1.23
sdS=97.7
fwS=1.66
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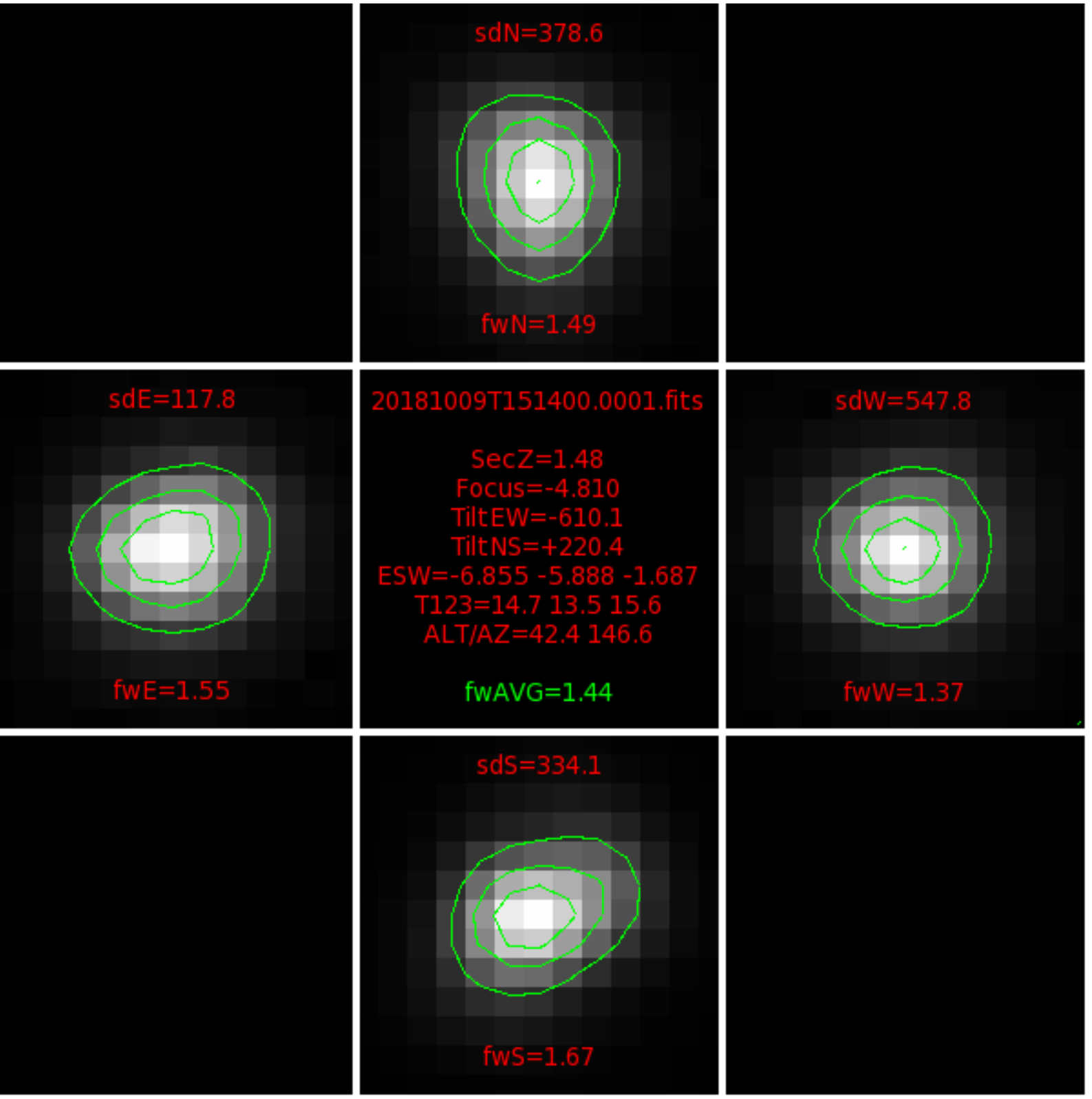
sdN=378.6
fwN=1.49
sdE=117.8
fwE=1.55
20181009T151400.0001.fits
SecZ=1.48
Focus=-4.810
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.855 -5.888 -1.687
T123=14.7 13.5 15.6
ALT/AZ=42.4 146.6
fwAVG=1.44
sdW=547.8
fwW=1.37
sdS=334.1
fwS=1.67
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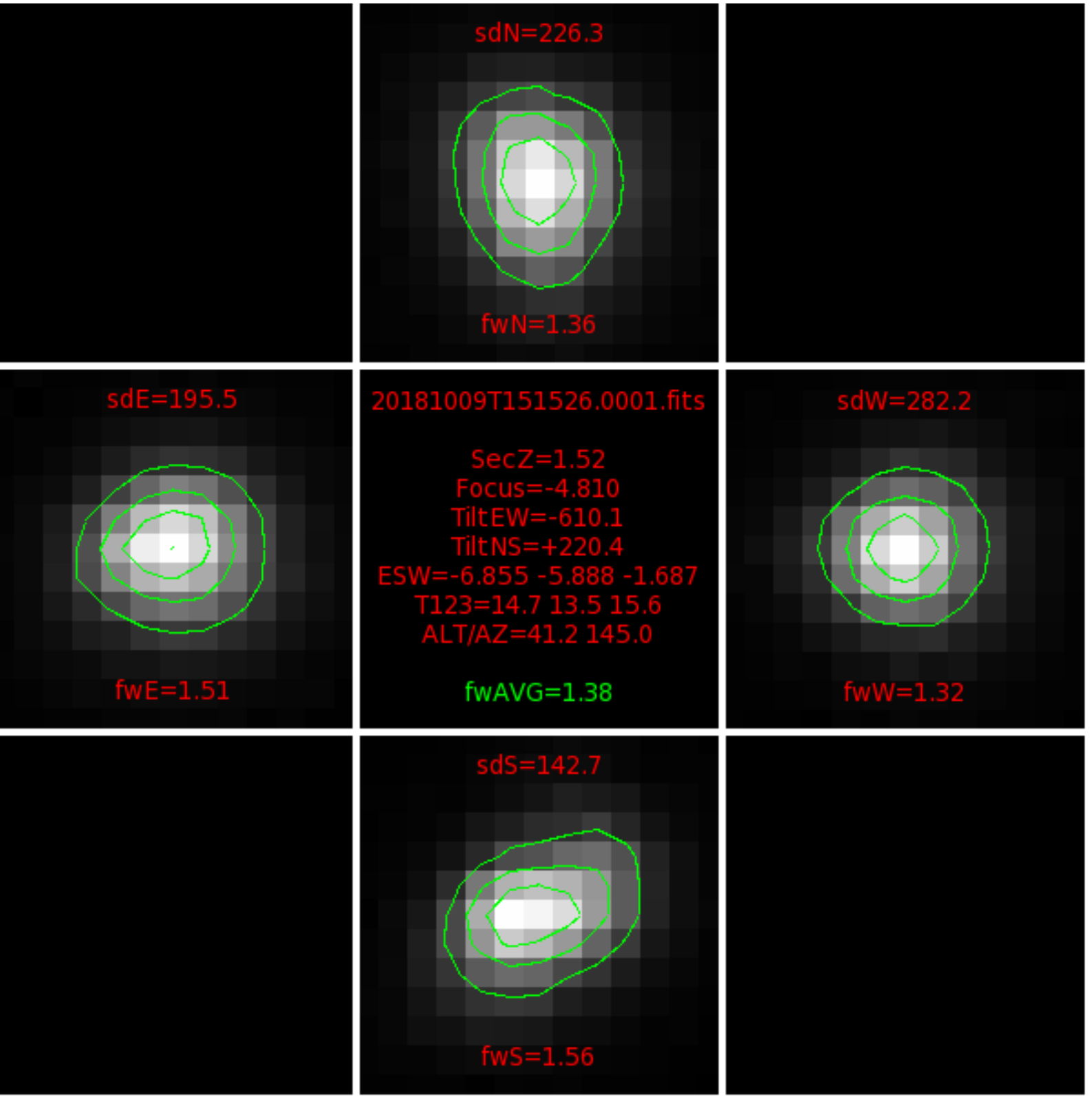
sdN=226.3
fwN=1.36
sdE=195.5
fwE=1.51
20181009T151526.0001.fits
SecZ=1.52
Focus=-4.810
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.855 -5.888 -1.687
T123=14.7 13.5 15.6
ALT/AZ=41.2 145.0
fwAVG=1.38
sdW=282.2
fwW=1.32
sdS=142.7
fwS=1.56
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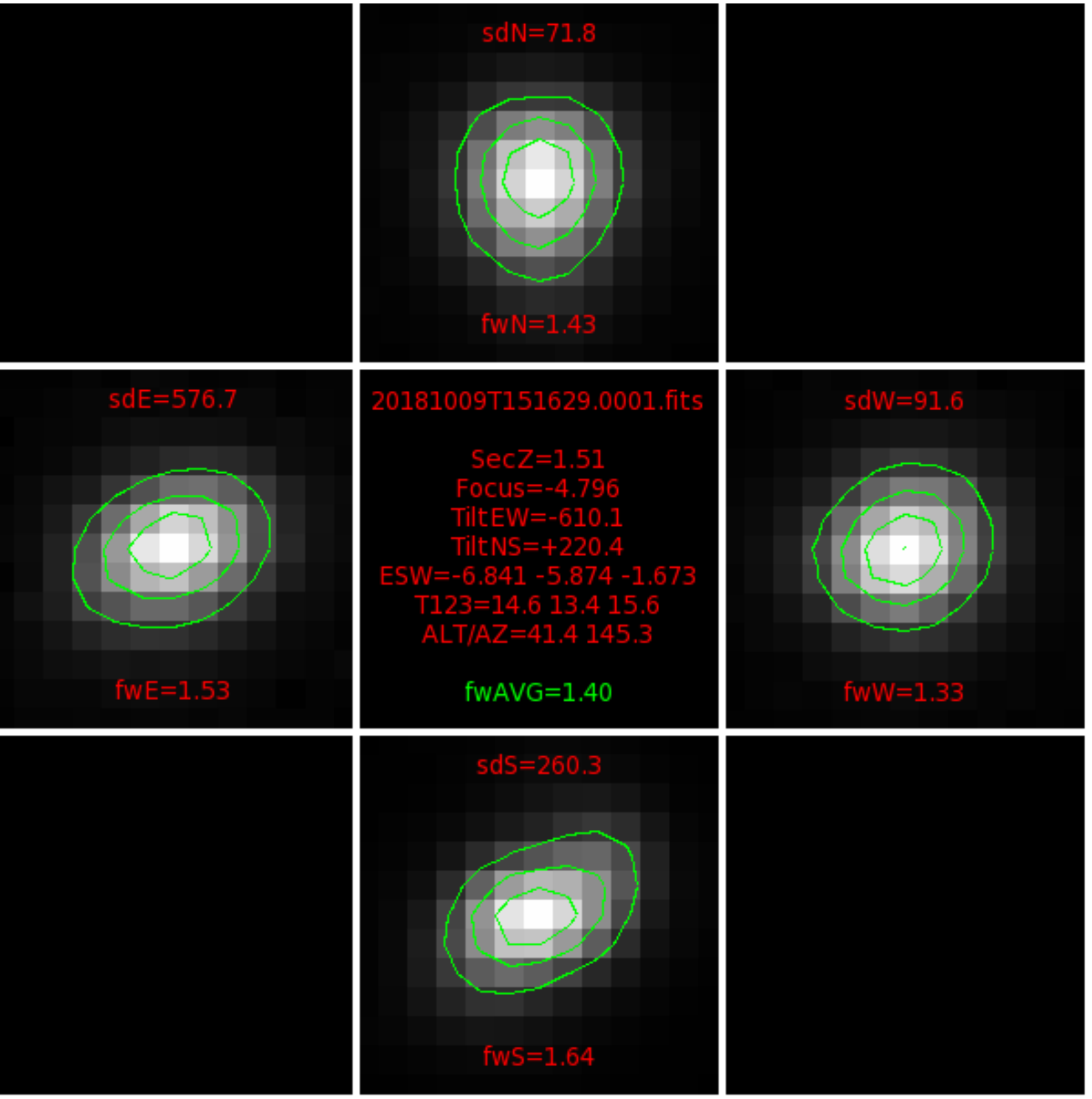
sdN=71.8
fwN=1.43
sdE=576.7
fwE=1.53
20181009T151629.0001.fits
SecZ=1.51
Focus=-4.796
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.841 -5.874 -1.673
T123=14.6 13.4 15.6
ALT/AZ=41.4 145.3
fwAVG=1.40
sdW=91.6
fwW=1.33
sdS=260.3
fwS=1.64
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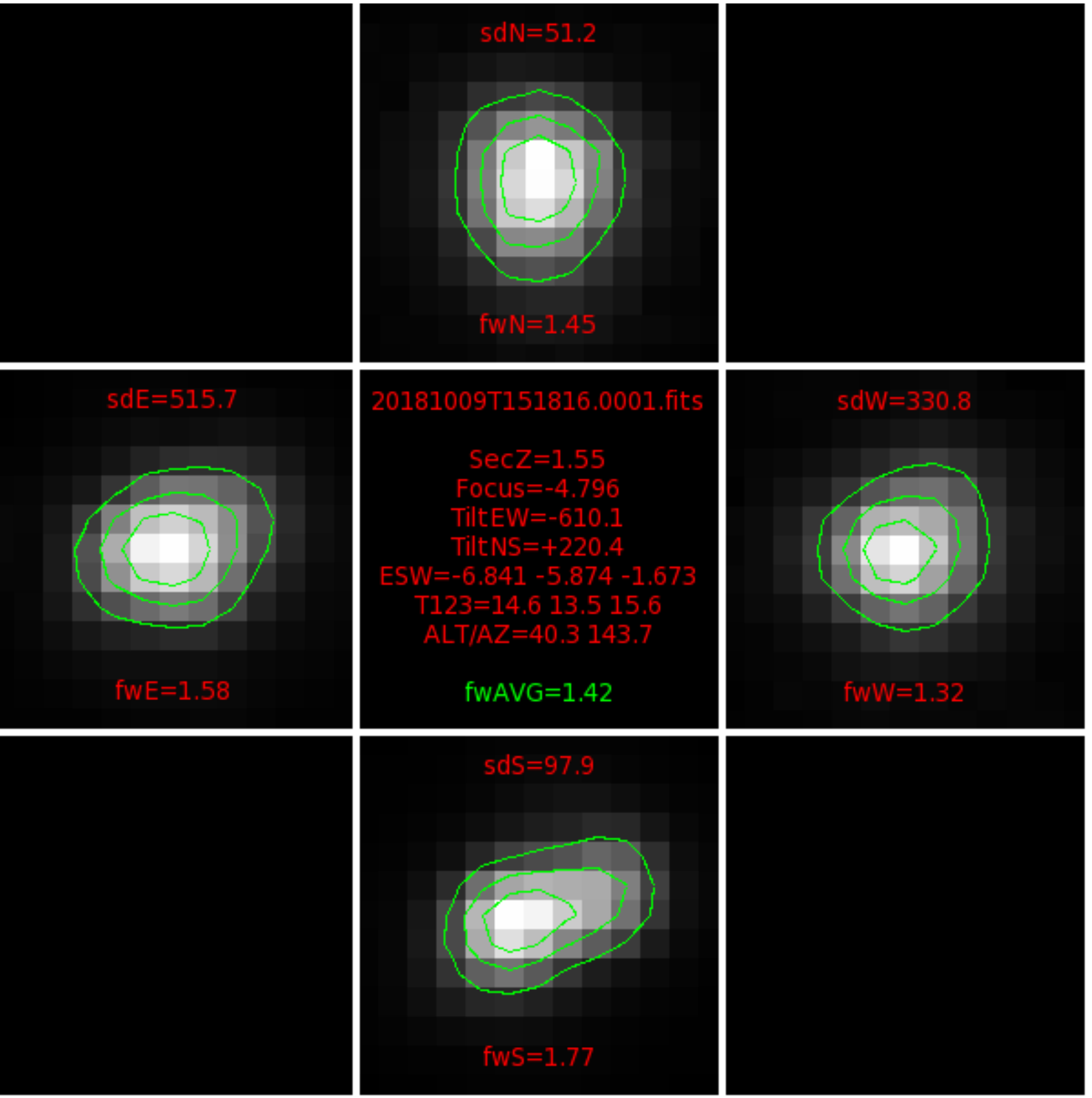
sdN=51.2
fwN=1.45
sdE=515.7
fwE=1.58
20181009T151816.0001.fits
SecZ=1.55
Focus=-4.796
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.841 -5.874 -1.673
T123=14.6 13.5 15.6
ALT/AZ=40.3 143.7
fwAVG=1.42
sdW=330.8
fwW=1.32
sdS=97.9
fwS=1.77
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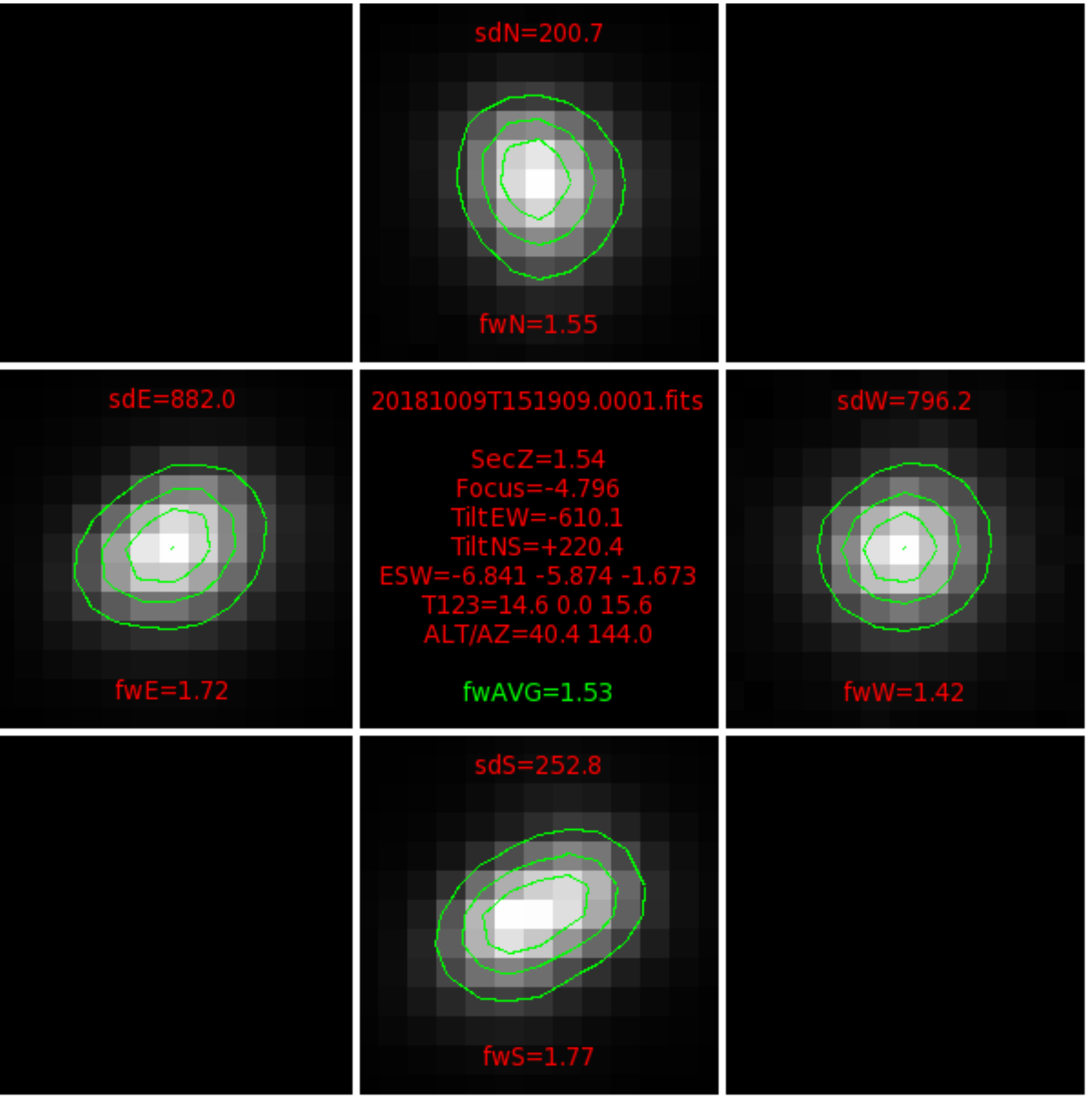
sdN=200.7
fwN=1.55
sdE=882.0
fwE=1.72
20181009T151909.0001.fits
SecZ=1.54
Focus=-4.796
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.841 -5.874 -1.673
T123=14.6 0.0 15.6
ALT/AZ=40.4 144.0
fwAVG=1.53
sdW=796.2
fwW=1.42
sdS=252.8
fwS=1.77
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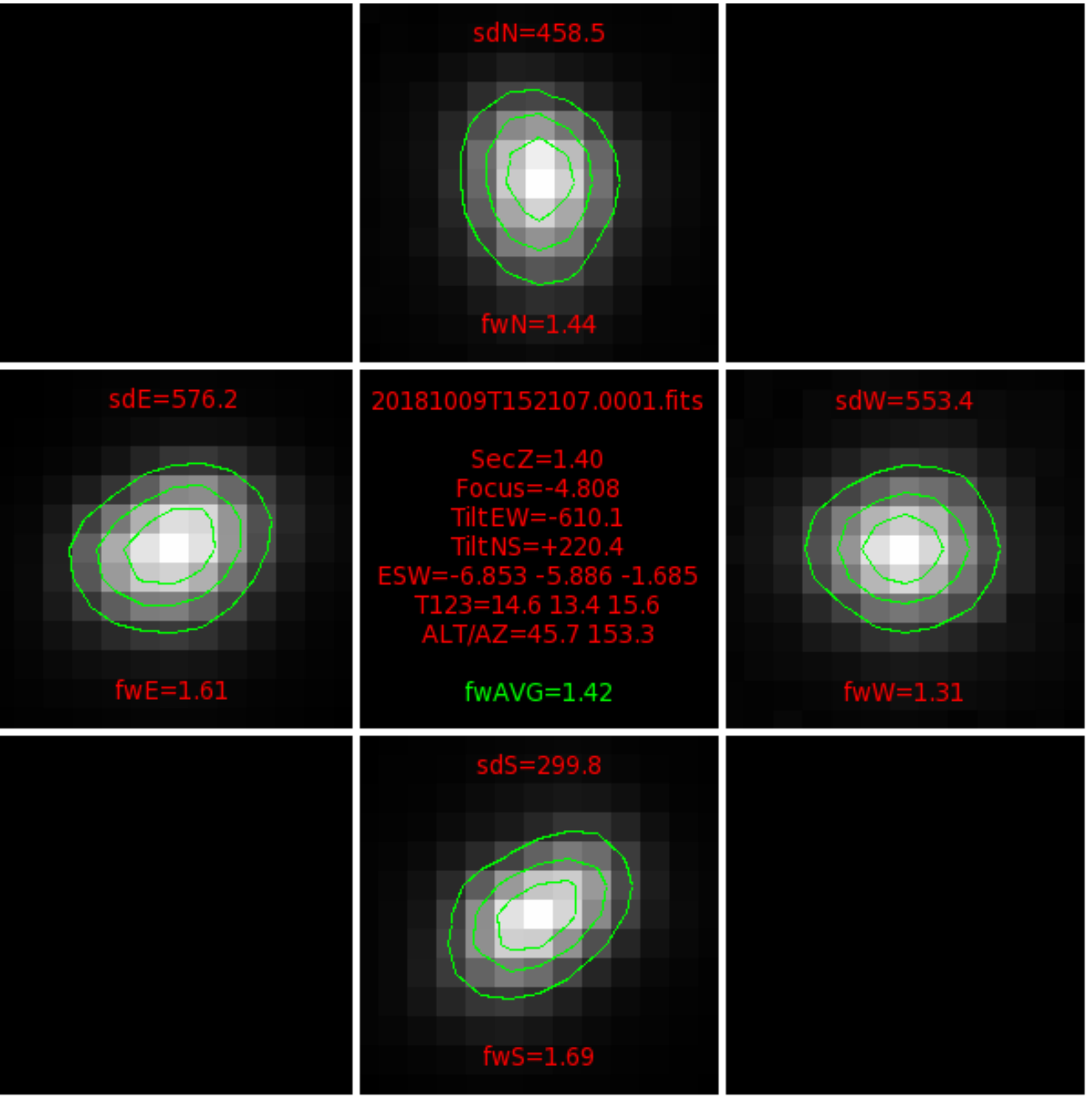
sdN=458.5
fwN=1.44
sdE=576.2
fwE=1.61
20181009T152107.0001.fits
SecZ=1.40
Focus=-4.808
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.853 -5.886 -1.685
T123=14.6 13.4 15.6
ALT/AZ=45.7 153.3
fwAVG=1.42
sdW=553.4
fwW=1.31
sdS=299.8
fwS=1.69
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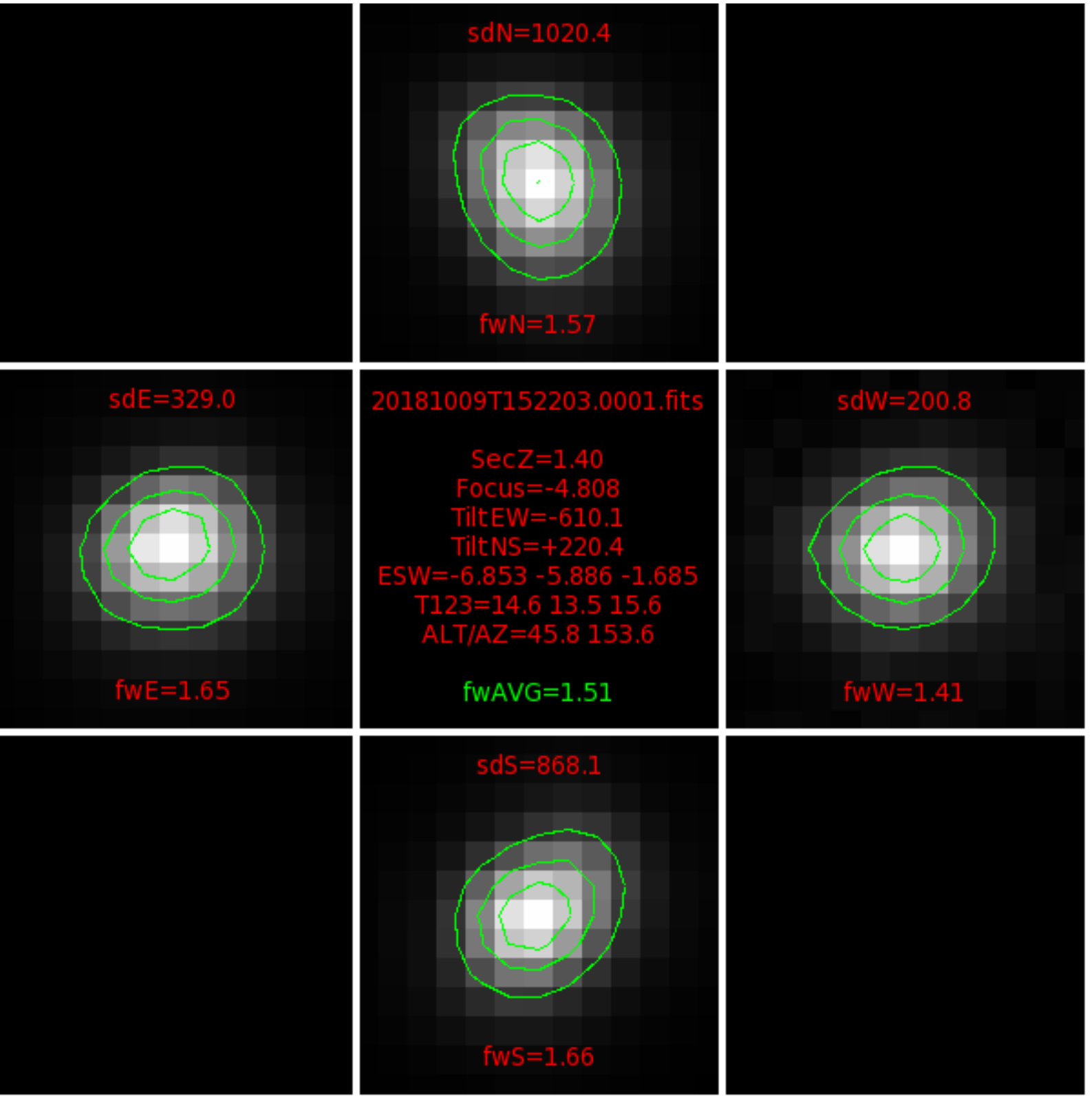
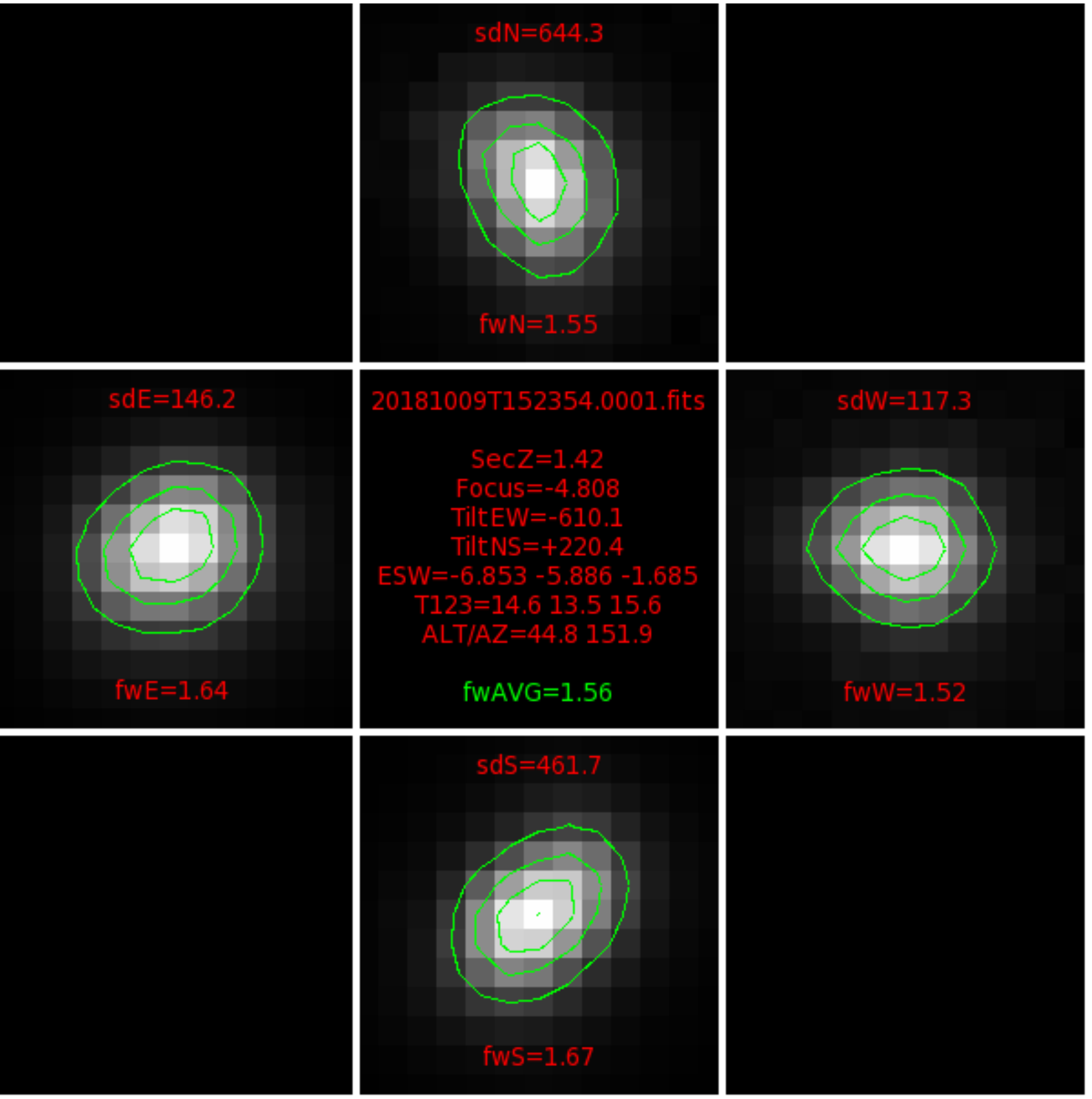

sdN=1020.4
fwN=1.57
sdE=329.0
fwE=1.65
20181009T152203.0001.fits
SecZ=1.40
Focus=-4.808
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.853 -5.886 -1.685
T123=14.6 13.5 15.6
ALT/AZ=45.8 153.6
fwAVG=1.51
sdW=200.8
fwW=1.41
sdS=868.1
fwS=1.66
0 0 0 0 0 0 0 0 0


sdN=644.3
fwN=1.55
sdE=146.2
fwE=1.64
20181009T152354.0001.fits
SecZ=1.42
Focus=-4.808
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.853 -5.886 -1.685
T123=14.6 13.5 15.6
ALT/AZ=44.8 151.9
fwAVG=1.56
sdW=117.3
fwW=1.52
sdS=461.7
fwS=1.67
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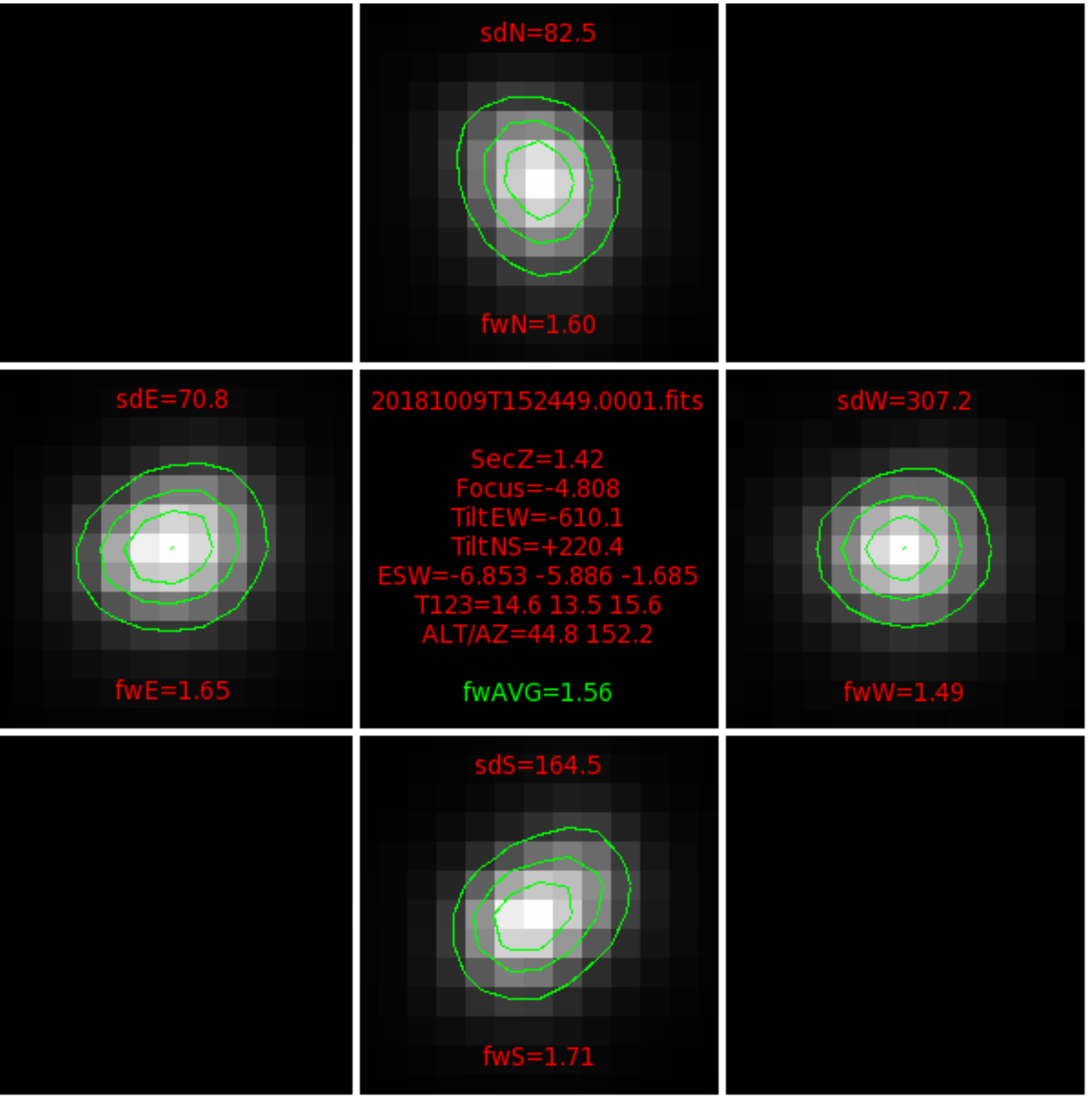
sdN=82.5
fwN=1.60
sdE=70.8
fwE=1.65
20181009T152449.0001.fits
SecZ=1.42
Focus=-4.808
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.853 -5.886 -1.685
T123=14.6 13.5 15.6
ALT/AZ=44.8 152.2
fwAVG=1.56
sdW=307.2
fwW=1.49
sdS=164.5
fwS=1.71
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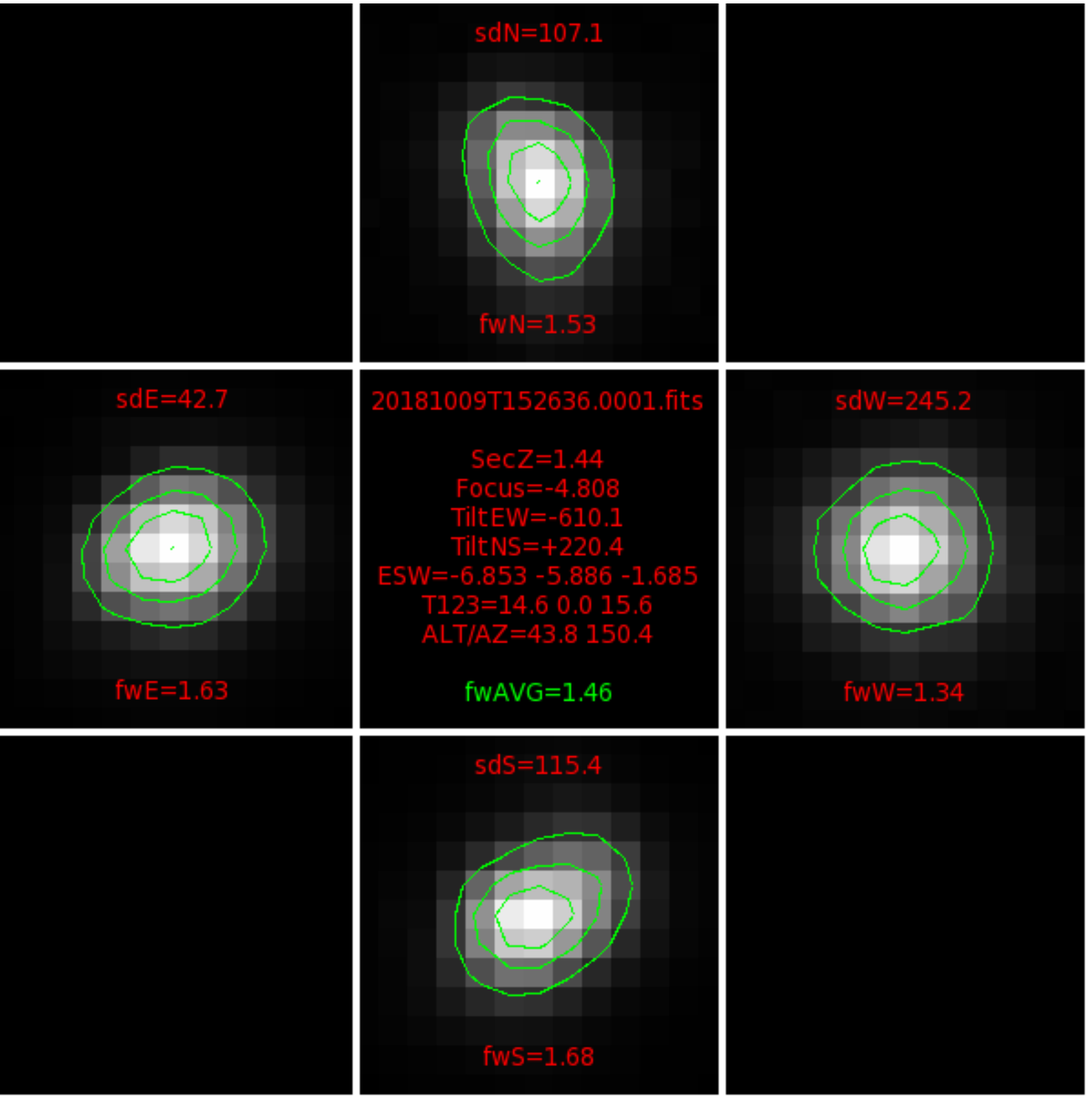
sdN=107.1
fwN=1.53
sdE=42.7
fwE=1.63
20181009T152636.0001.fits
SecZ=1.44
Focus=-4.808
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.853 -5.886 -1.685
T123=14.6 0.0 15.6
ALT/AZ=43.8 150.4
fwAVG=1.46
sdW=245.2
fwW=1.34
sdS=115.4
fwS=1.68
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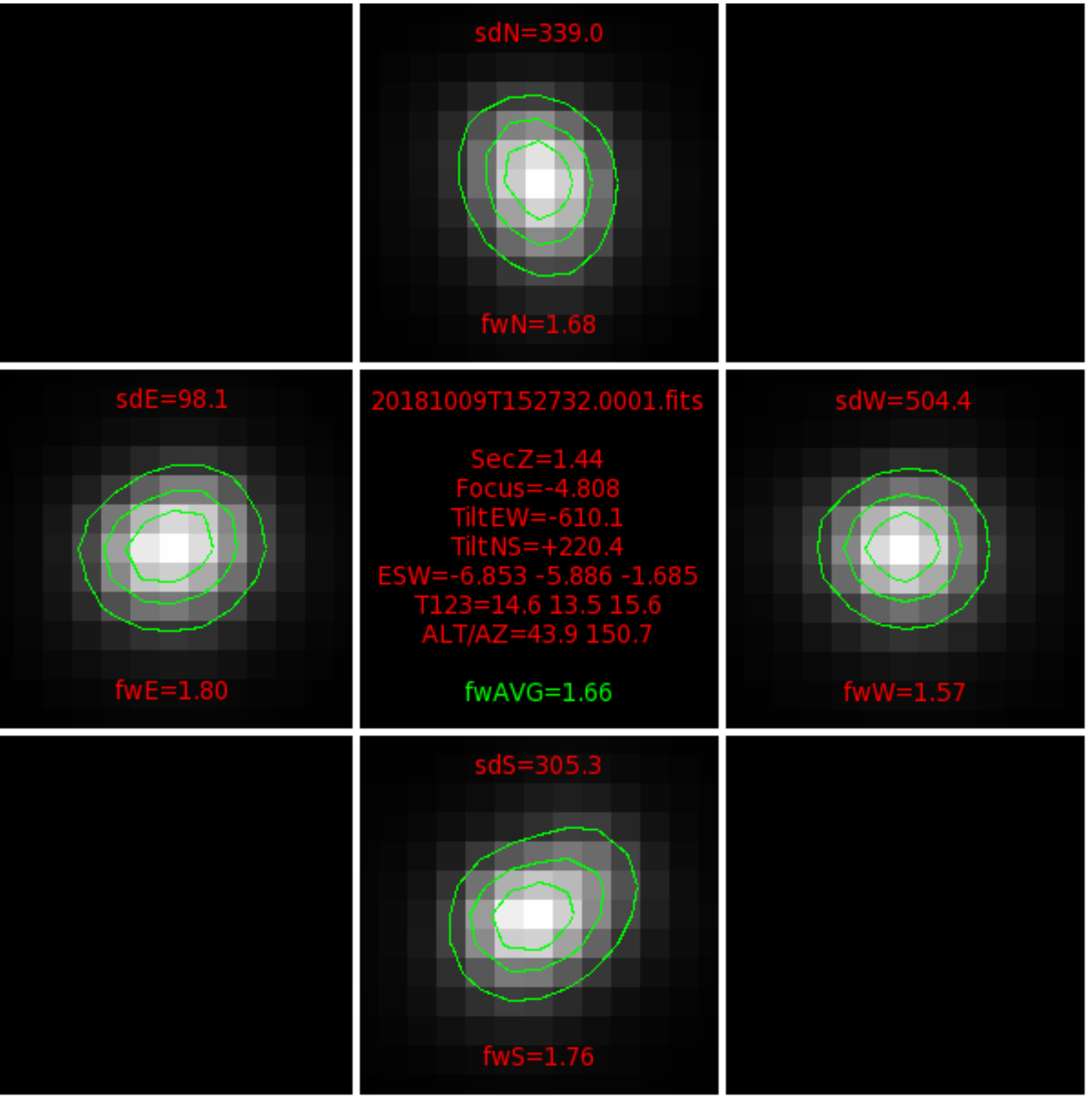
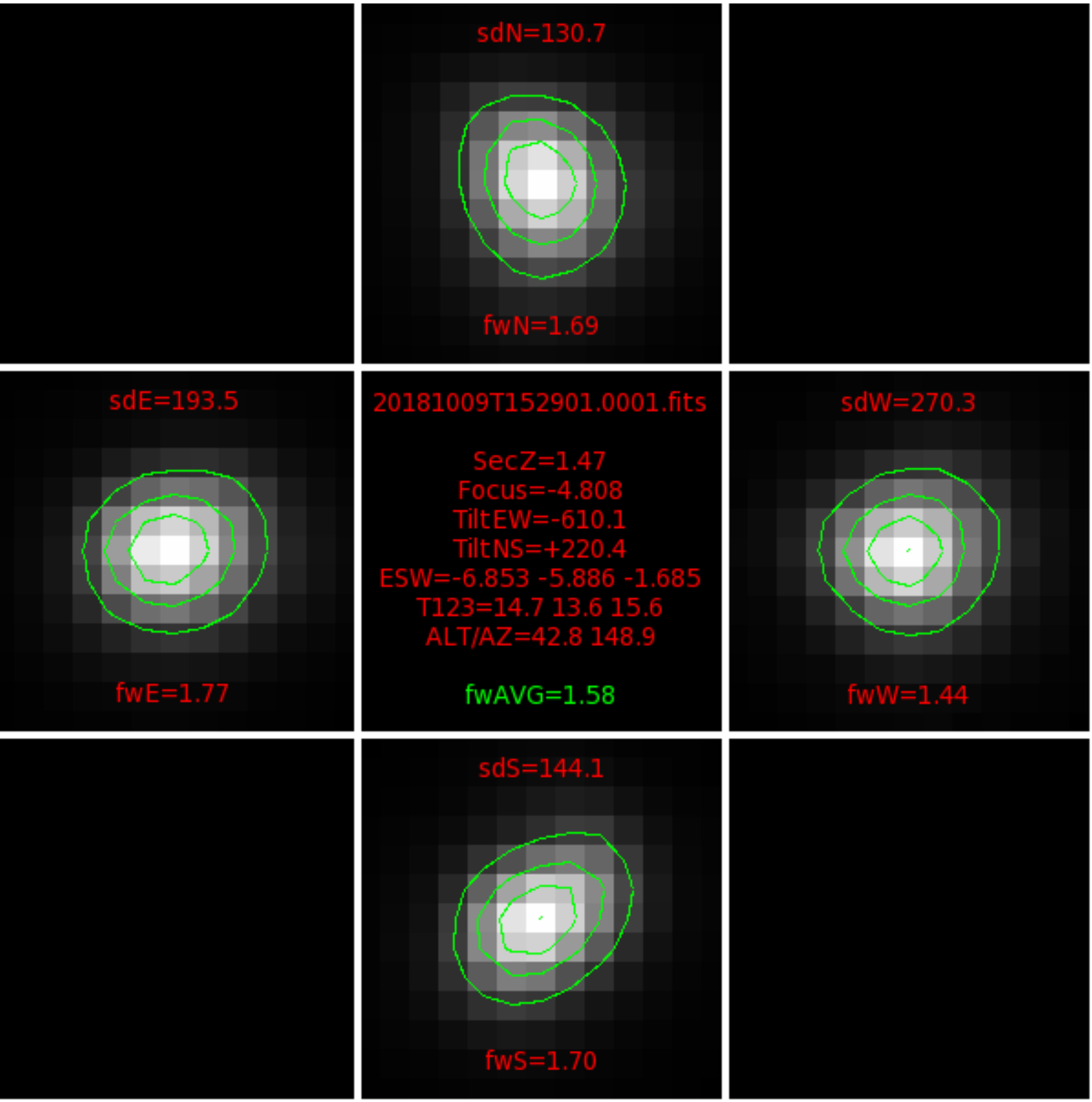

sdN=339.0
fwN=1.68
sdE=98.1
fwE=1.80
20181009T152732.0001.fits
SecZ=1.44
Focus=-4.808
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.853 -5.886 -1.685
T123=14.6 13.5 15.6
ALT/AZ=43.9 150.7
fwAVG=1.66
sdW=504.4
fwW=1.57
sdS=305.3
fwS=1.76
0 0 0 0 0 0 0 0 0


sdN=130.7
fwN=1.69
sdE=193.5
fwE=1.77
20181009T152901.0001.fits
SecZ=1.47
Focus=-4.808
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.853 -5.886 -1.685
T123=14.7 13.6 15.6
ALT/AZ=42.8 148.9
fwAVG=1.58
sdW=270.3
fwW=1.44
sdS=144.1
fwS=1.70
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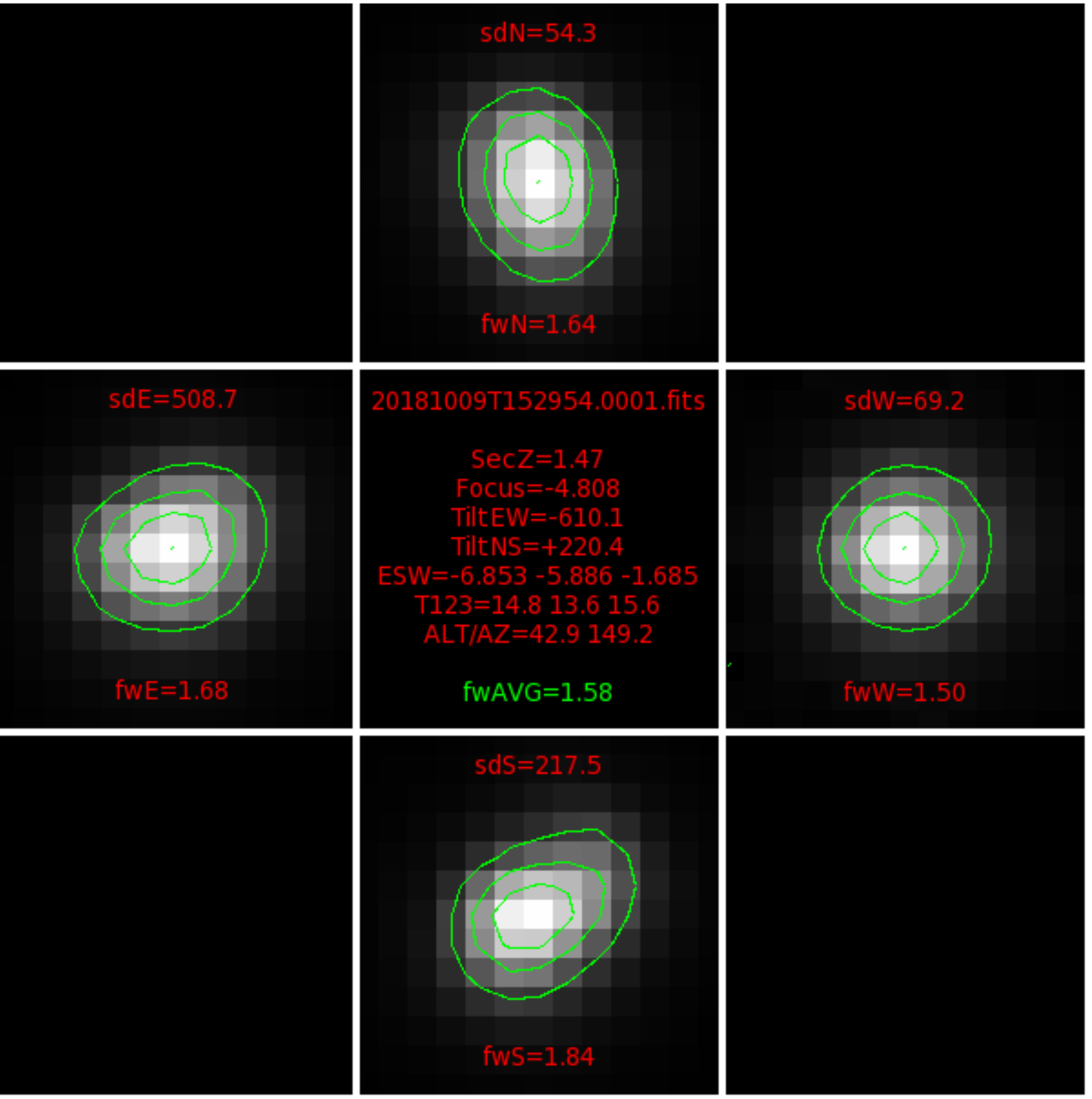
sdN=54.3
fwN=1.64
sdE=508.7
fwE=1.68
20181009T152954.0001.fits
SecZ=1.47
Focus=-4.808
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.853 -5.886 -1.685
T123=14.8 13.6 15.6
ALT/AZ=42.9 149.2
fwAVG=1.58
sdW=69.2
fwW=1.50
sdS=217.5
fwS=1.84
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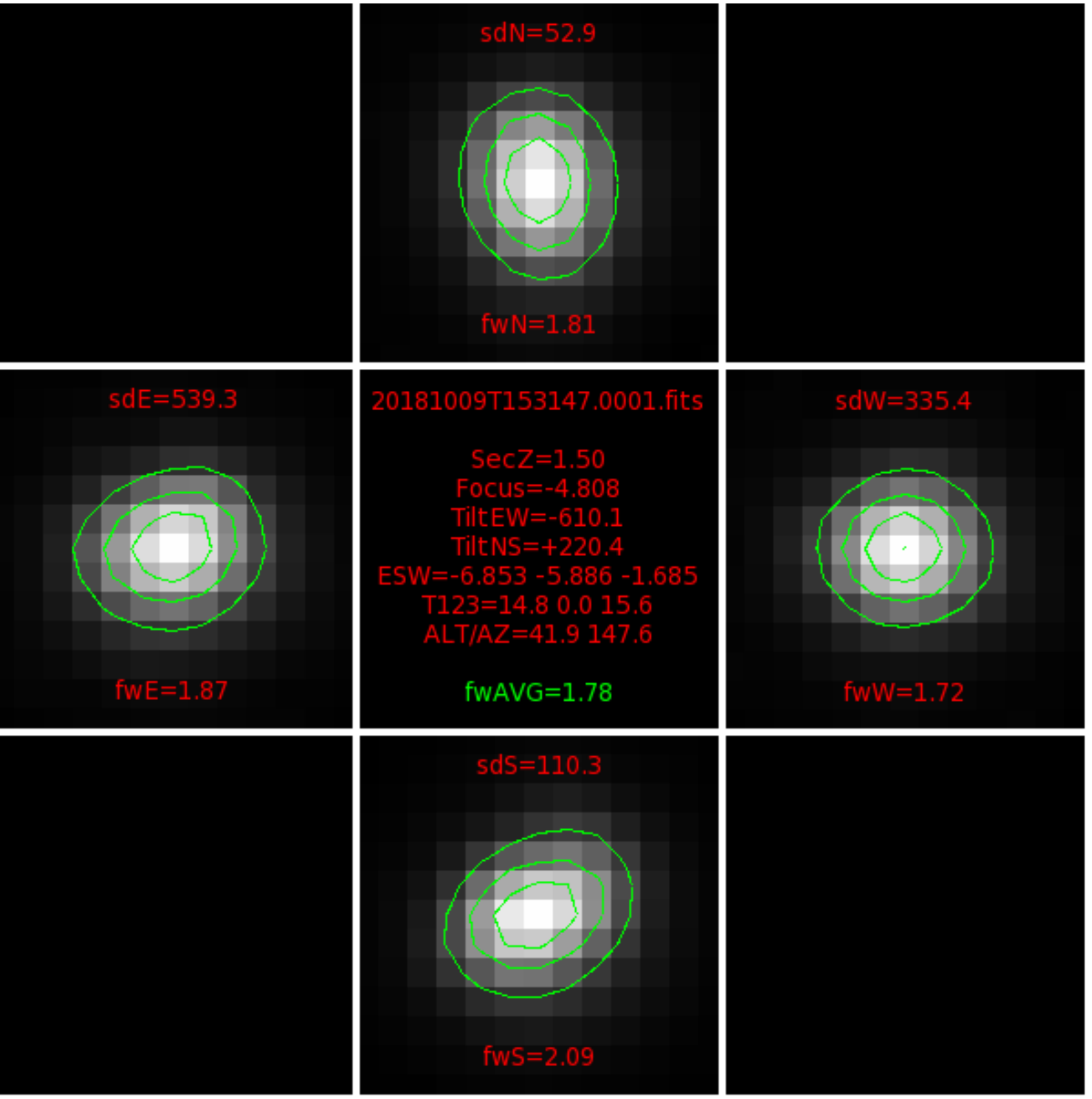
sdN=52.9
fwN=1.81
sdE=539.3
fwE=1.87
20181009T153147.0001.fits
SecZ=1.50
Focus=-4.808
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.853 -5.886 -1.685
T123=14.8 0.0 15.6
ALT/AZ=41.9 147.6
fwAVG=1.78
sdW=335.4
fwW=1.72
sdS=110.3
fwS=2.09
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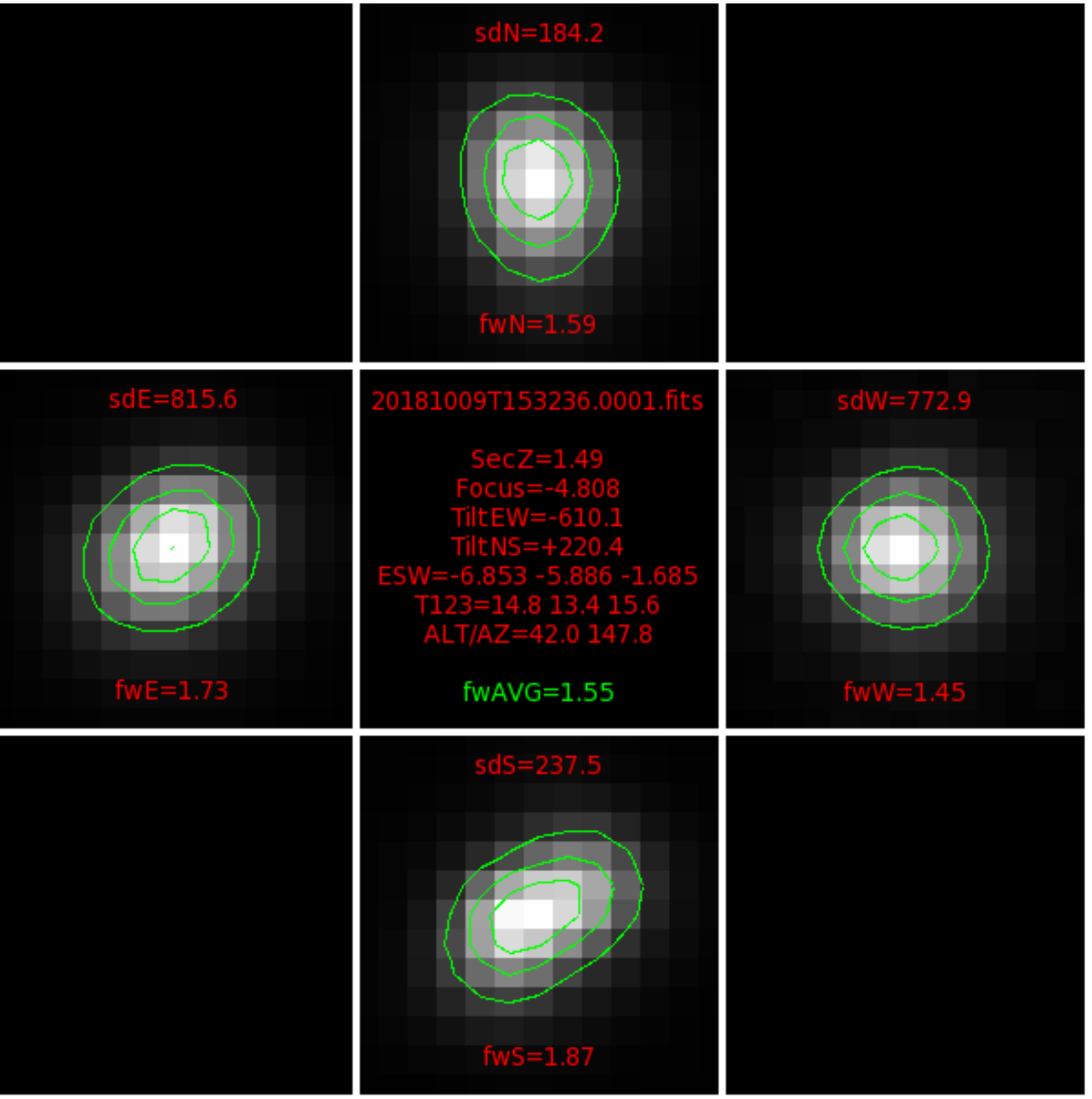
sdN=184.2
fwN=1.59
sdE=815.6
fwE=1.73
20181009T153236.0001.fits
SecZ=1.49
Focus=-4.808
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.853 -5.886 -1.685
T123=14.8 13.4 15.6
ALT/AZ=42.0 147.8
fwAVG=1.55
sdW=772.9
fwW=1.45
sdS=237.5
fwS=1.87
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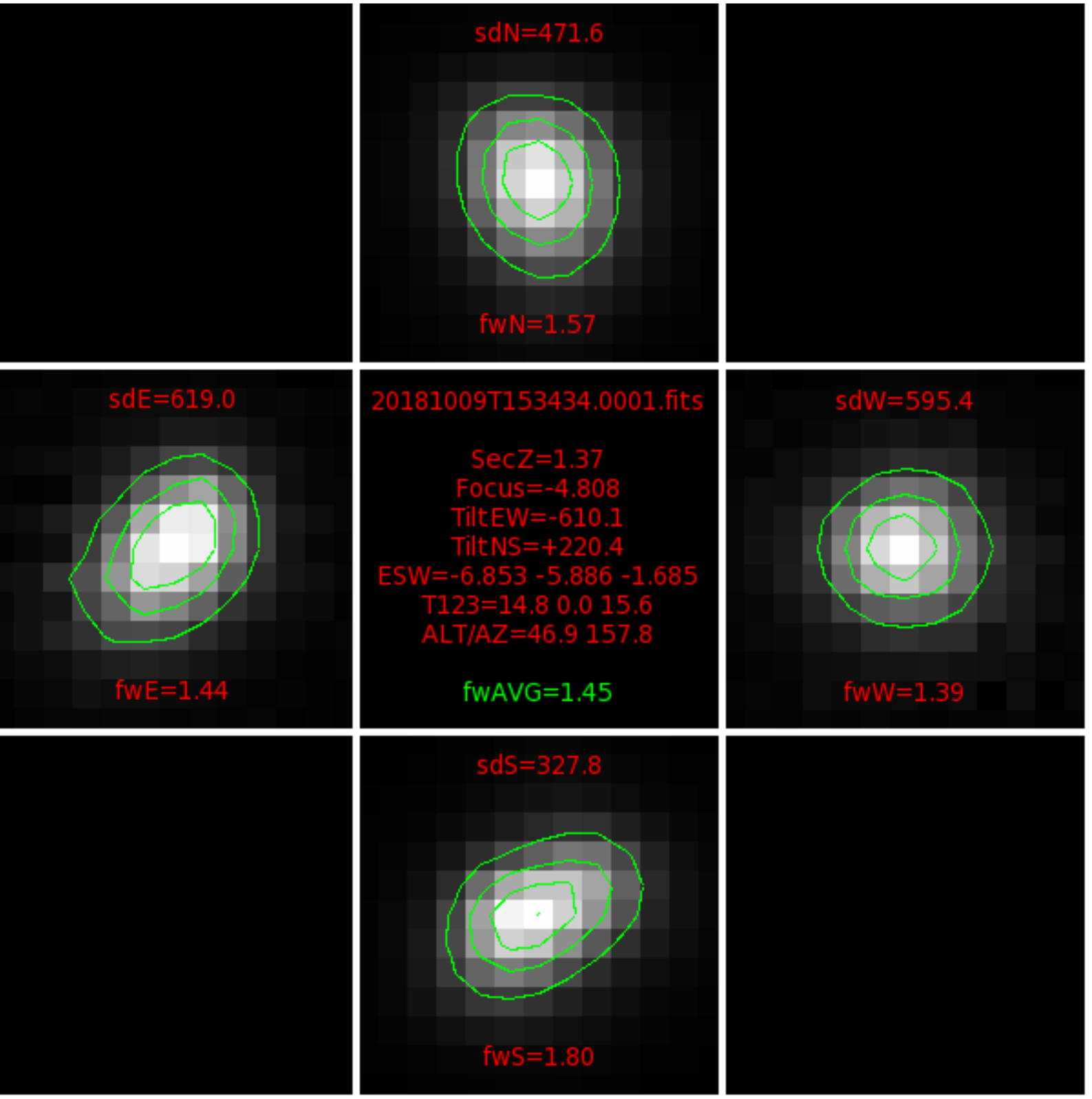
sdN=471.6
fwN=1.57
sdE=619.0
fwE=1.44
20181009T153434.0001.fits
SecZ=1.37
Focus=-4.808
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.853 -5.886 -1.685
T123=14.8 0.0 15.6
ALT/AZ=46.9 157.8
fwAVG=1.45
sdW=595.4
fwW=1.39
sdS=327.8
fwS=1.80
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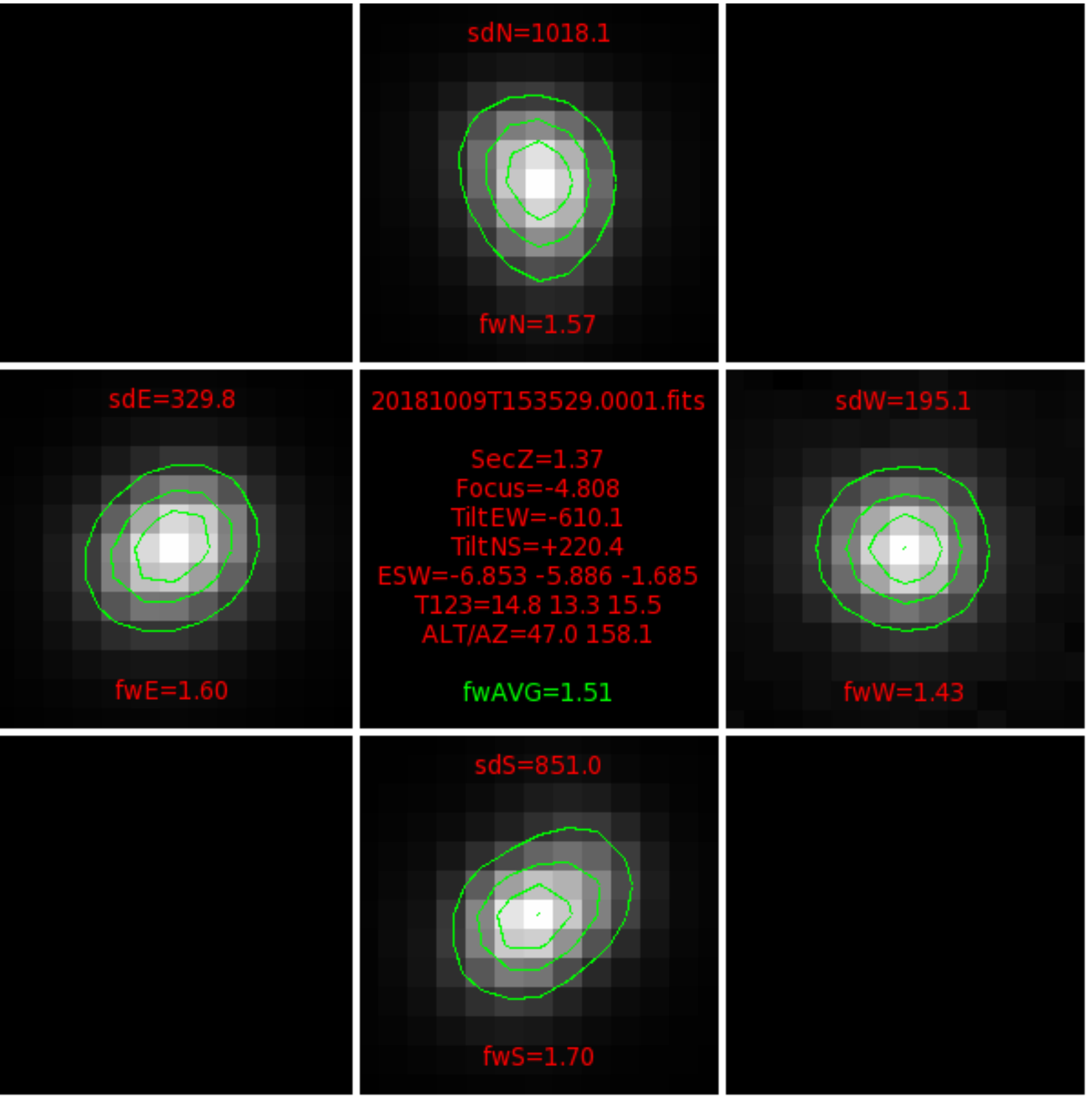
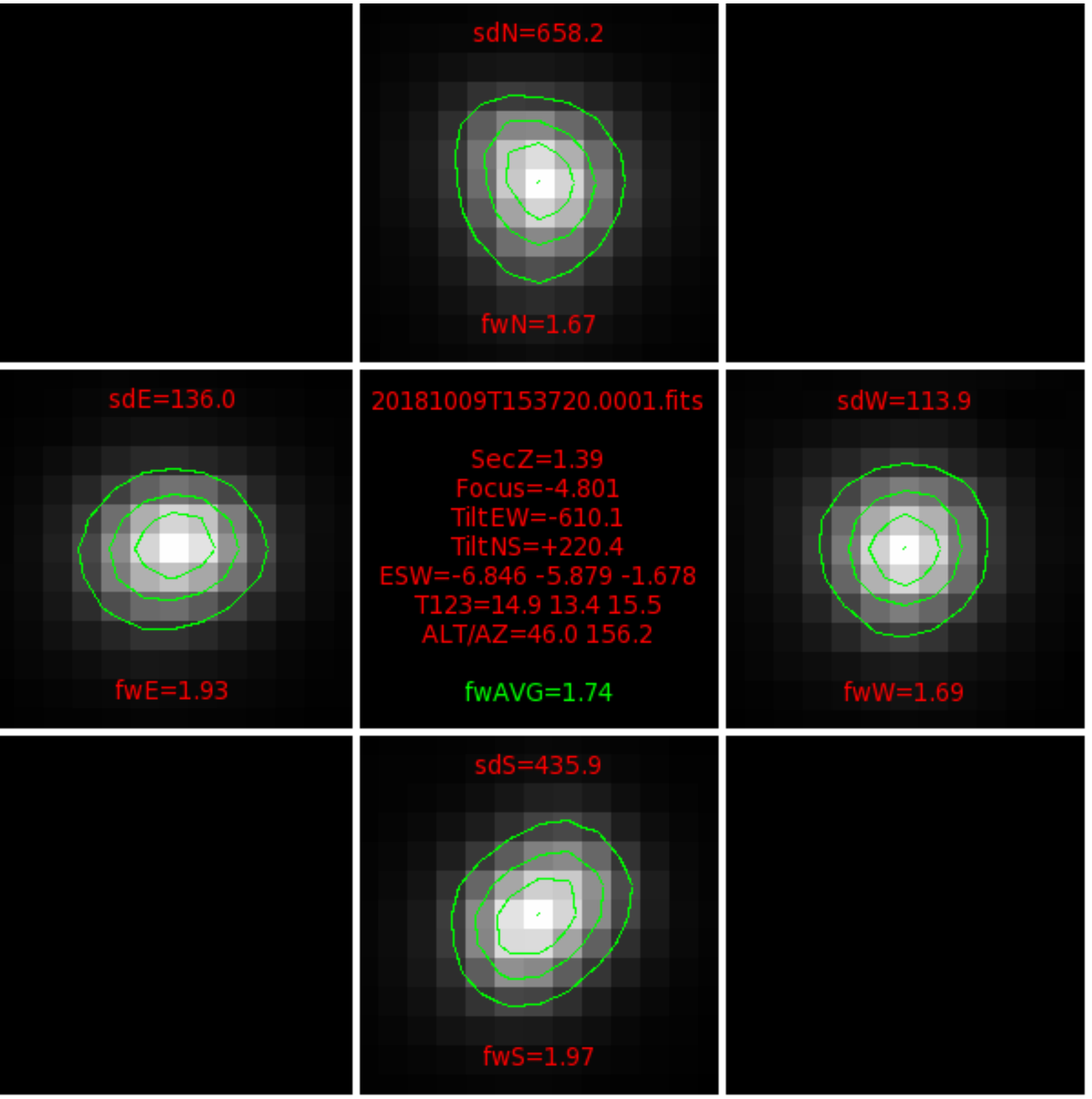

sdN=1018.1
fwN=1.57
sdE=329.8
fwE=1.60
20181009T153529.0001.fits
SecZ=1.37
Focus=-4.808
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.853 -5.886 -1.685
T123=14.8 13.3 15.5
ALT/AZ=47.0 158.1
fwAVG=1.51
sdW=195.1
fwW=1.43
sdS=851.0
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=658.2
fwN=1.67
sdE=136.0
fwE=1.93
20181009T153720.0001.fits
SecZ=1.39
Focus=-4.801
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.846 -5.879 -1.678
T123=14.9 13.4 15.5
ALT/AZ=46.0 156.2
fwAVG=1.74
sdW=113.9
fwW=1.69
sdS=435.9
fwS=1.97
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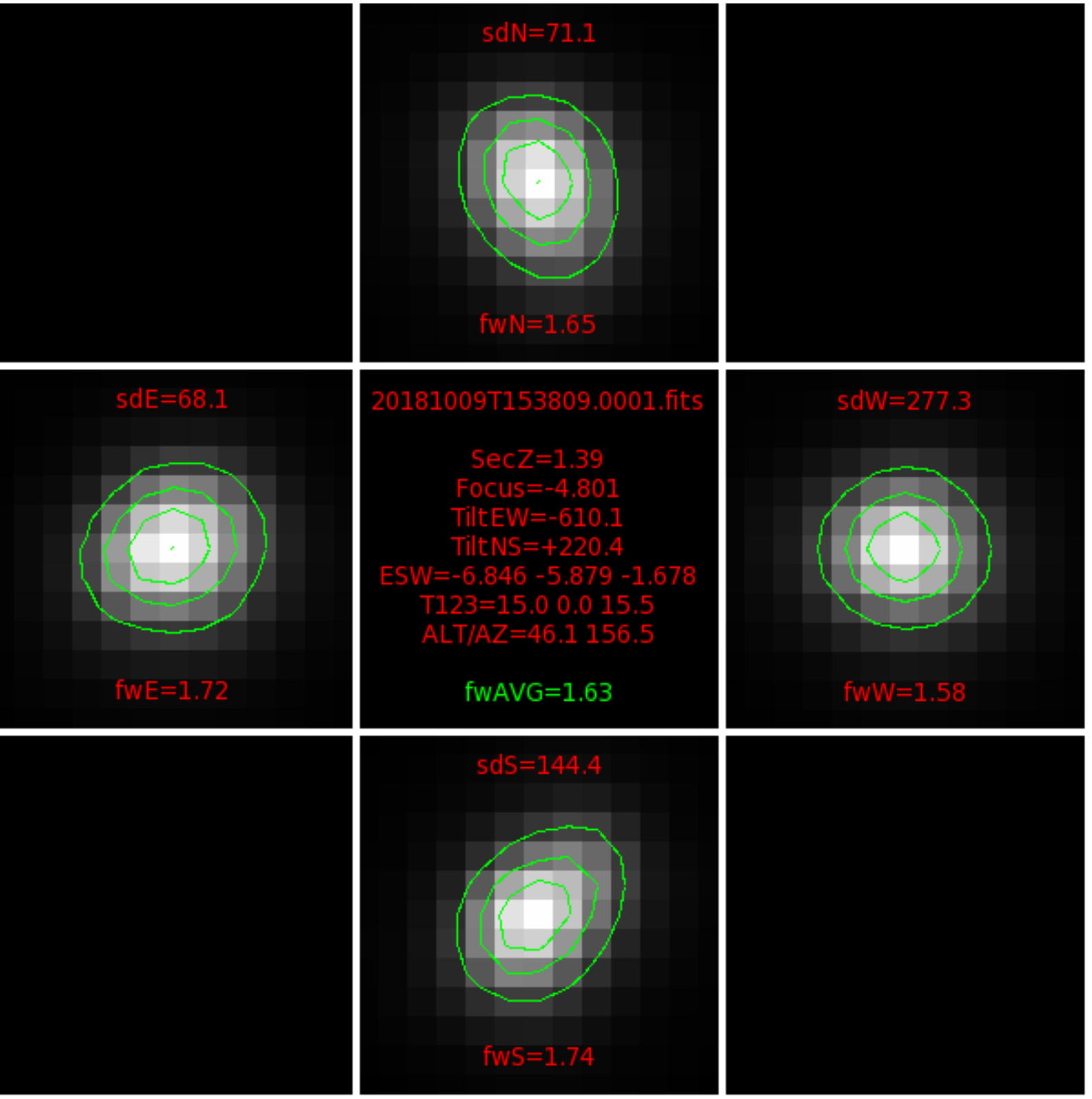
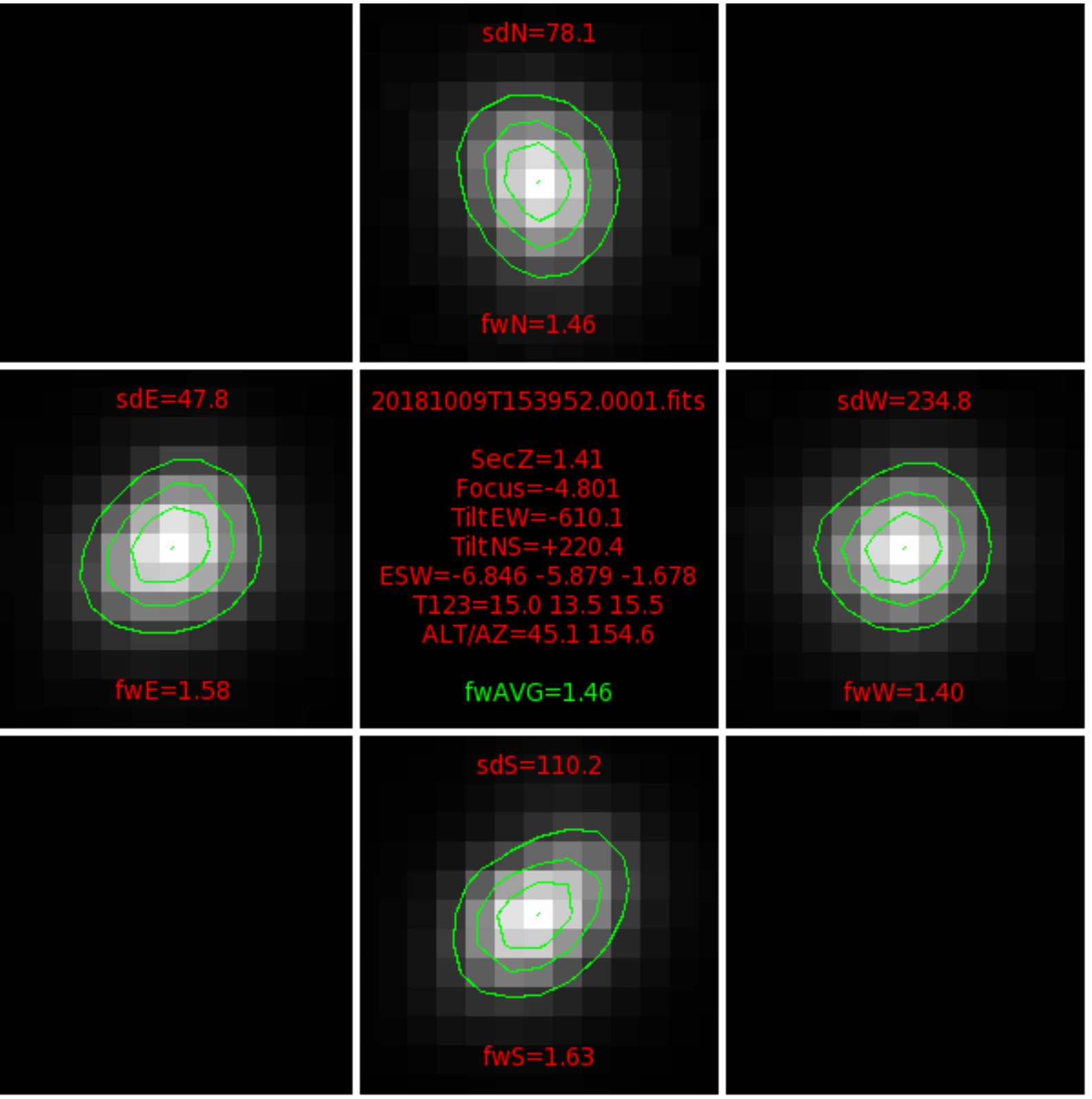

sdN=71.1
fwN=1.65
sdE=68.1
fwE=1.72
20181009T153809.0001.fits
SecZ=1.39
Focus=-4.801
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.846 -5.879 -1.678
T123=15.0 0.0 15.5
ALT/AZ=46.1 156.5
fwAVG=1.63
sdW=277.3
fwW=1.58
sdS=144.4
fwS=1.74
0 0 0 0 0 0 0 0 0


sdN=78.1
fwN=1.46
sdE=47.8
fwE=1.58
20181009T153952.0001.fits
SecZ=1.41
Focus=-4.801
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.846 -5.879 -1.678
T123=15.0 13.5 15.5
ALT/AZ=45.1 154.6
fwAVG=1.46
sdW=234.8
fwW=1.40
sdS=110.2
fwS=1.63
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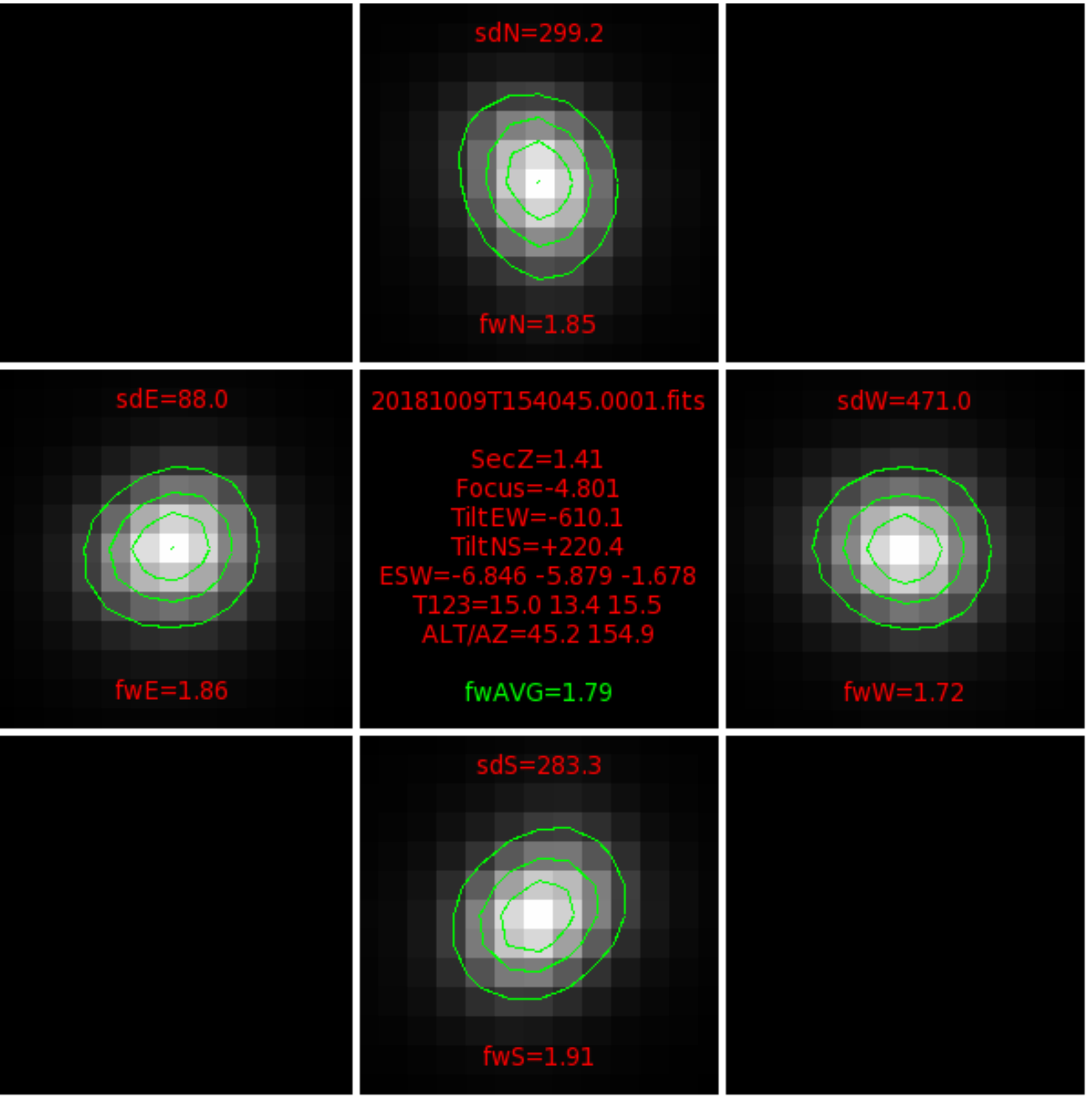
sdN=299.2
fwN=1.85
sdE=88.0
fwE=1.86
20181009T154045.0001.fits
SecZ=1.41
Focus=-4.801
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.846 -5.879 -1.678
T123=15.0 13.4 15.5
ALT/AZ=45.2 154.9
fwAVG=1.79
sdW=471.0
fwW=1.72
sdS=283.3
fwS=1.91
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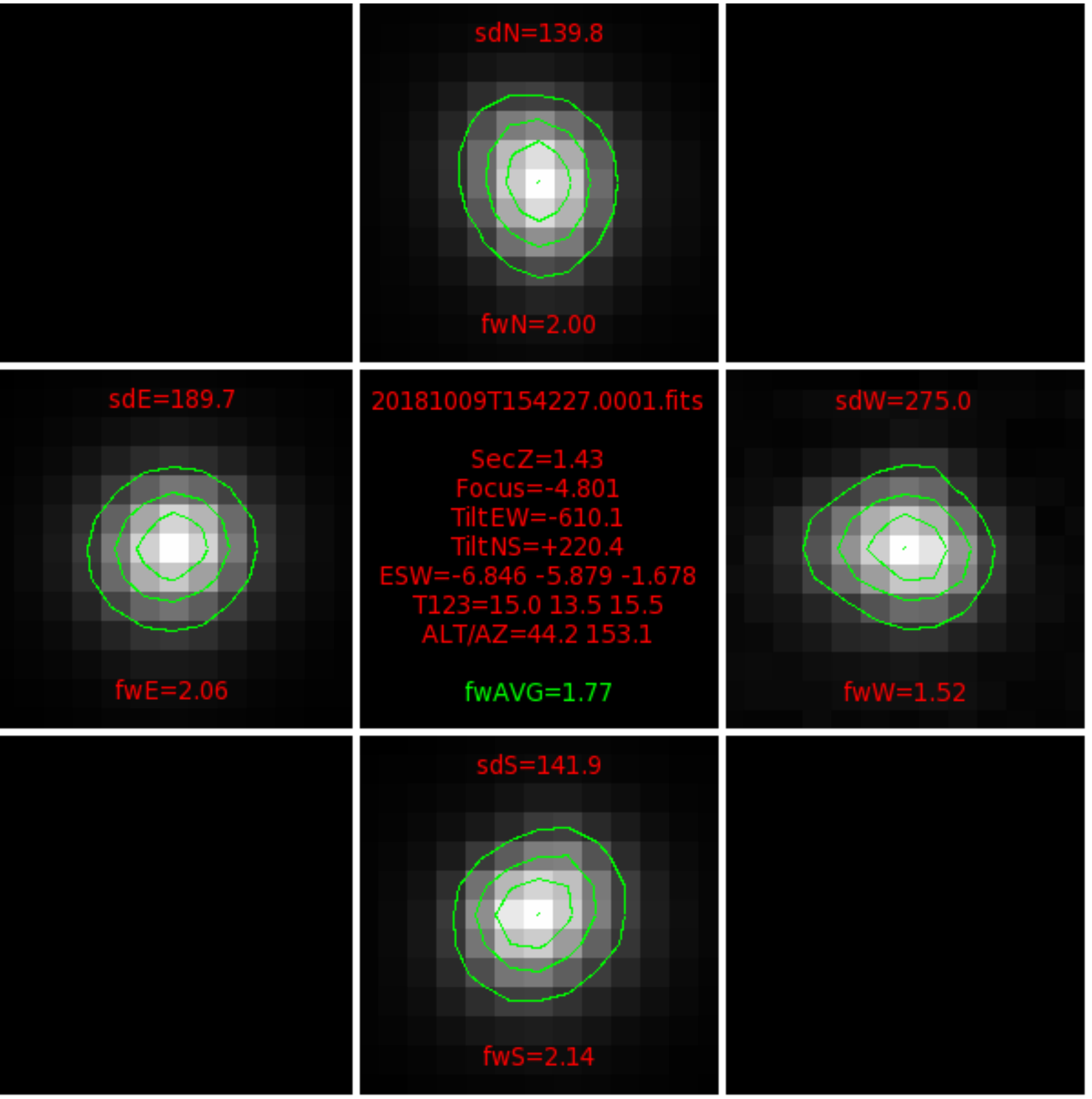
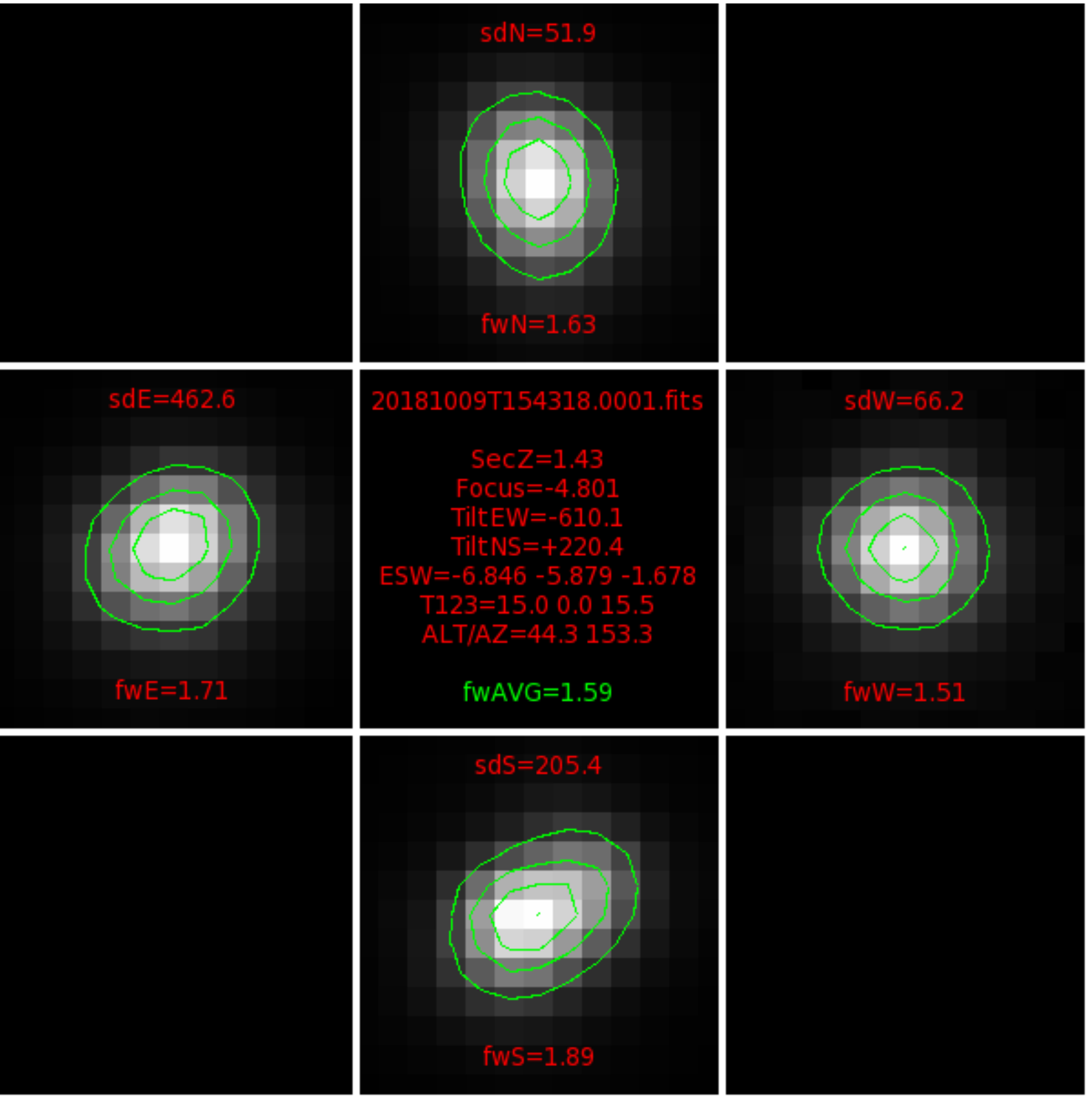
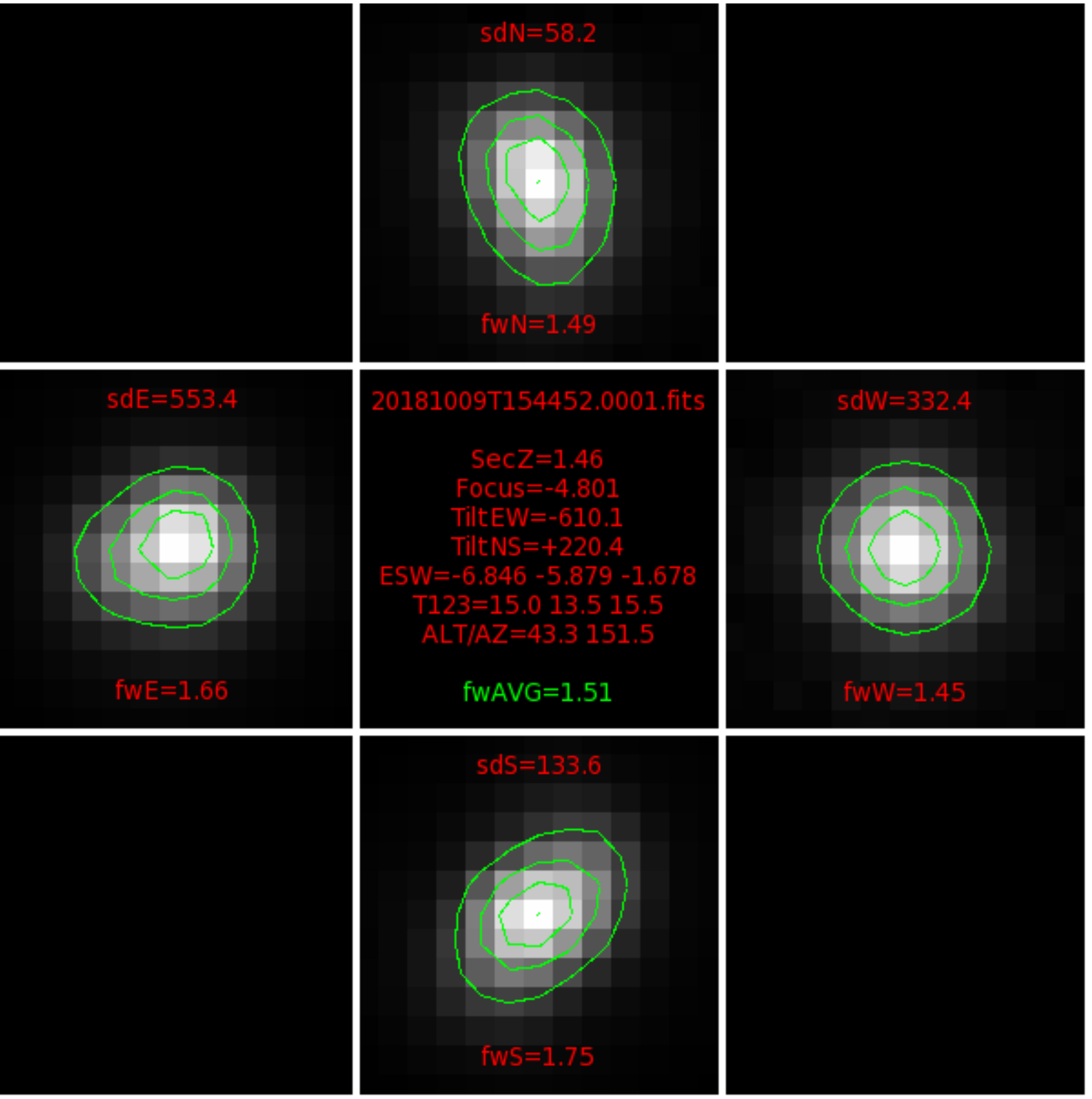

sdN=139.8
fwN=2.00
sdE=189.7
fwE=2.06
20181009T154227.0001.fits
SecZ=1.43
Focus=-4.801
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.846 -5.879 -1.678
T123=15.0 13.5 15.5
ALT/AZ=44.2 153.1
fwAVG=1.77
sdW=275.0
fwW=1.52
sdS=141.9
fwS=2.14
0 0 0 0 0 0 0 0 0


sdN=51.9
fwN=1.63
sdE=462.6
fwE=1.71
20181009T154318.0001.fits
SecZ=1.43
Focus=-4.801
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.846 -5.879 -1.678
T123=15.0 0.0 15.5
ALT/AZ=44.3 153.3
fwAVG=1.59
sdW=66.2
fwW=1.51
sdS=205.4
fwS=1.89
0 0 0 0 0 0 0 0 0


sdN=58.2
fwN=1.49
sdE=553.4
fwE=1.66
20181009T154452.0001.fits
SecZ=1.46
Focus=-4.801
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.846 -5.879 -1.678
T123=15.0 13.5 15.5
ALT/AZ=43.3 151.5
fwAVG=1.51
sdW=332.4
fwW=1.45
sdS=133.6
fwS=1.75
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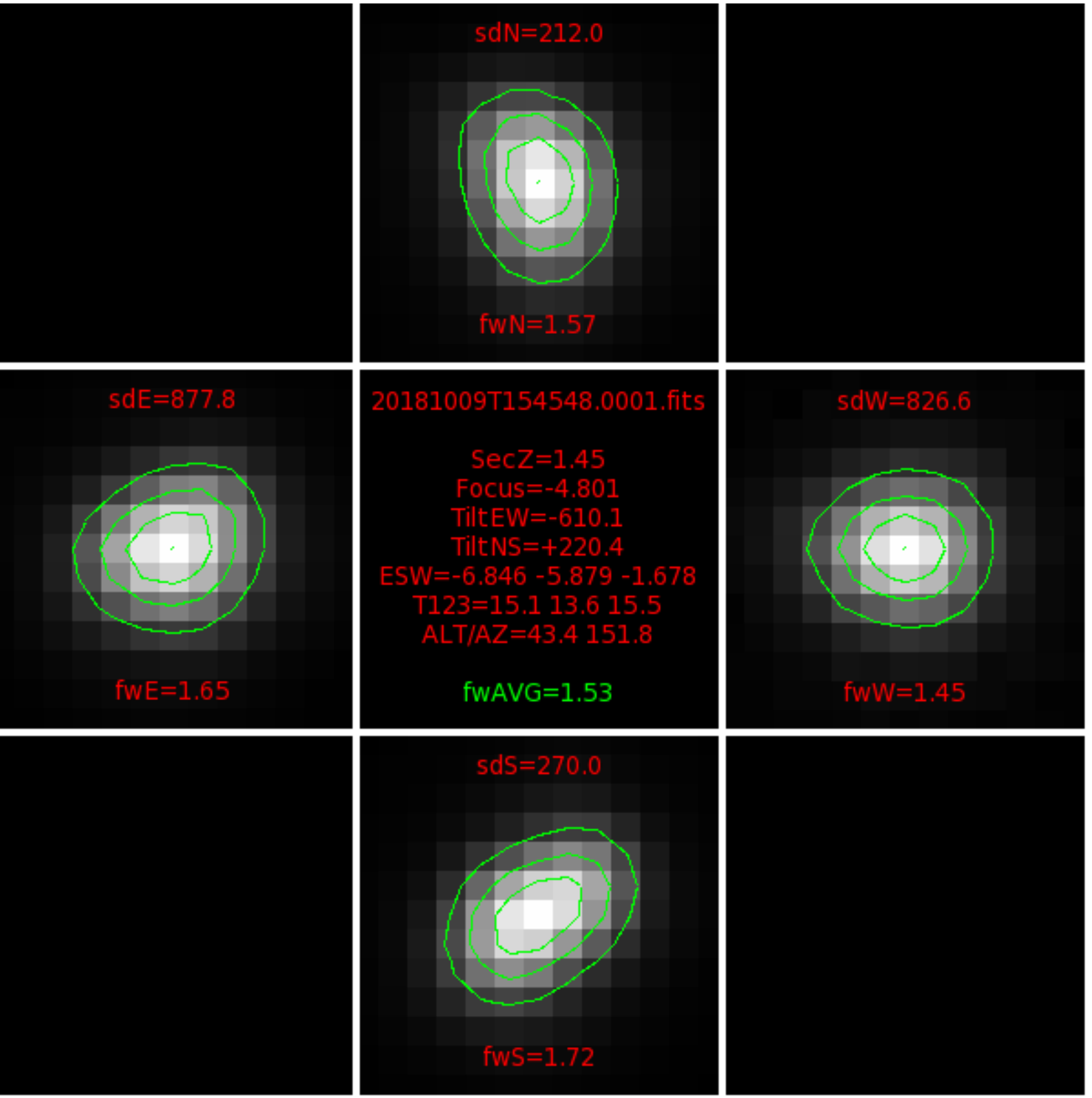
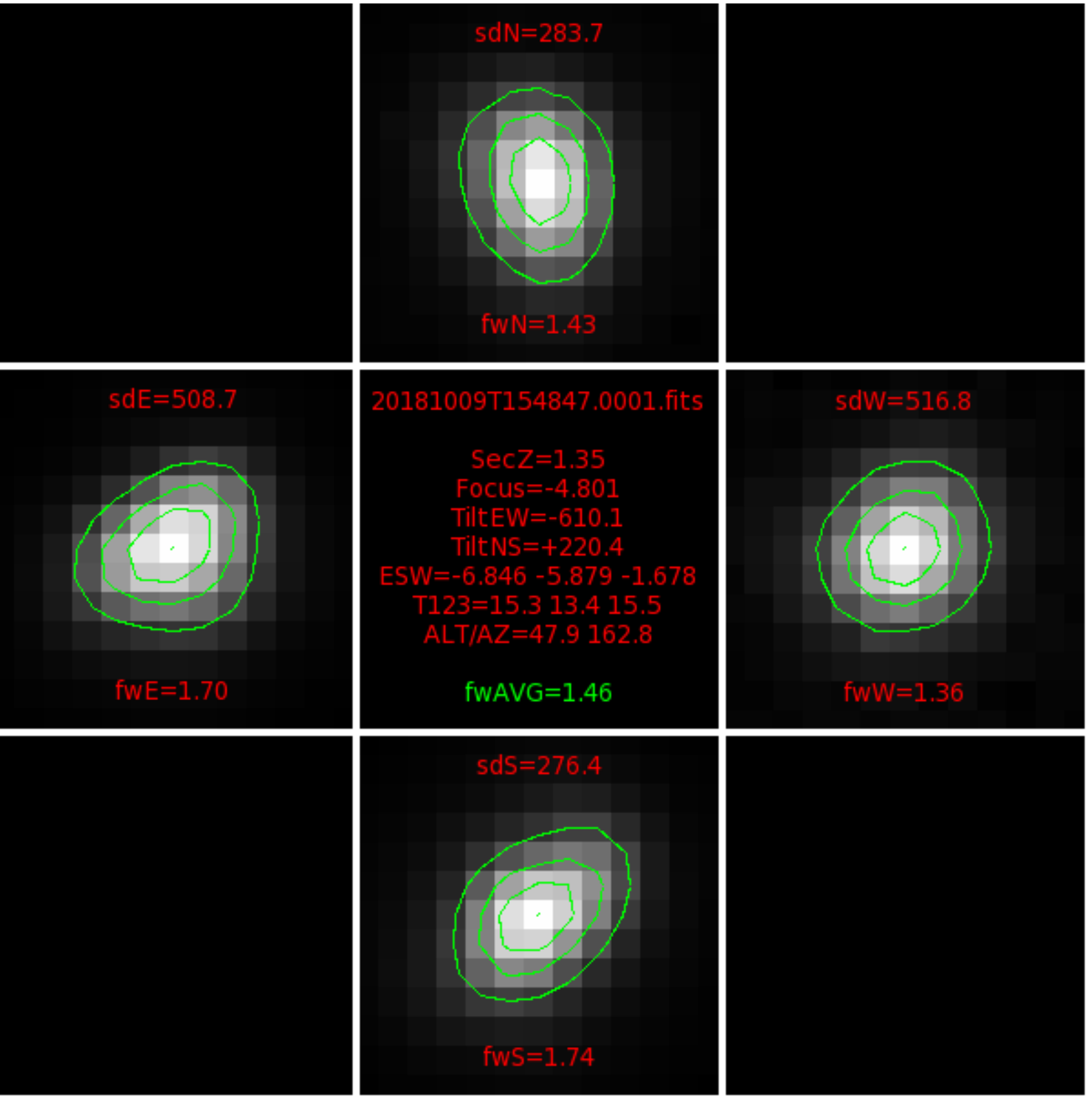

sdN=212.0
fwN=1.57
sdE=877.8
fwE=1.65
20181009T154548.0001.fits
SecZ=1.45
Focus=-4.801
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.846 -5.879 -1.678
T123=15.1 13.6 15.5
ALT/AZ=43.4 151.8
fwAVG=1.53
sdW=826.6
fwW=1.45
sdS=270.0
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=283.7
fwN=1.43
sdE=508.7
fwE=1.70
20181009T154847.0001.fits
SecZ=1.35
Focus=-4.801
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.846 -5.879 -1.678
T123=15.3 13.4 15.5
ALT/AZ=47.9 162.8
fwAVG=1.46
sdW=516.8
fwW=1.36
sdS=276.4
fwS=1.74
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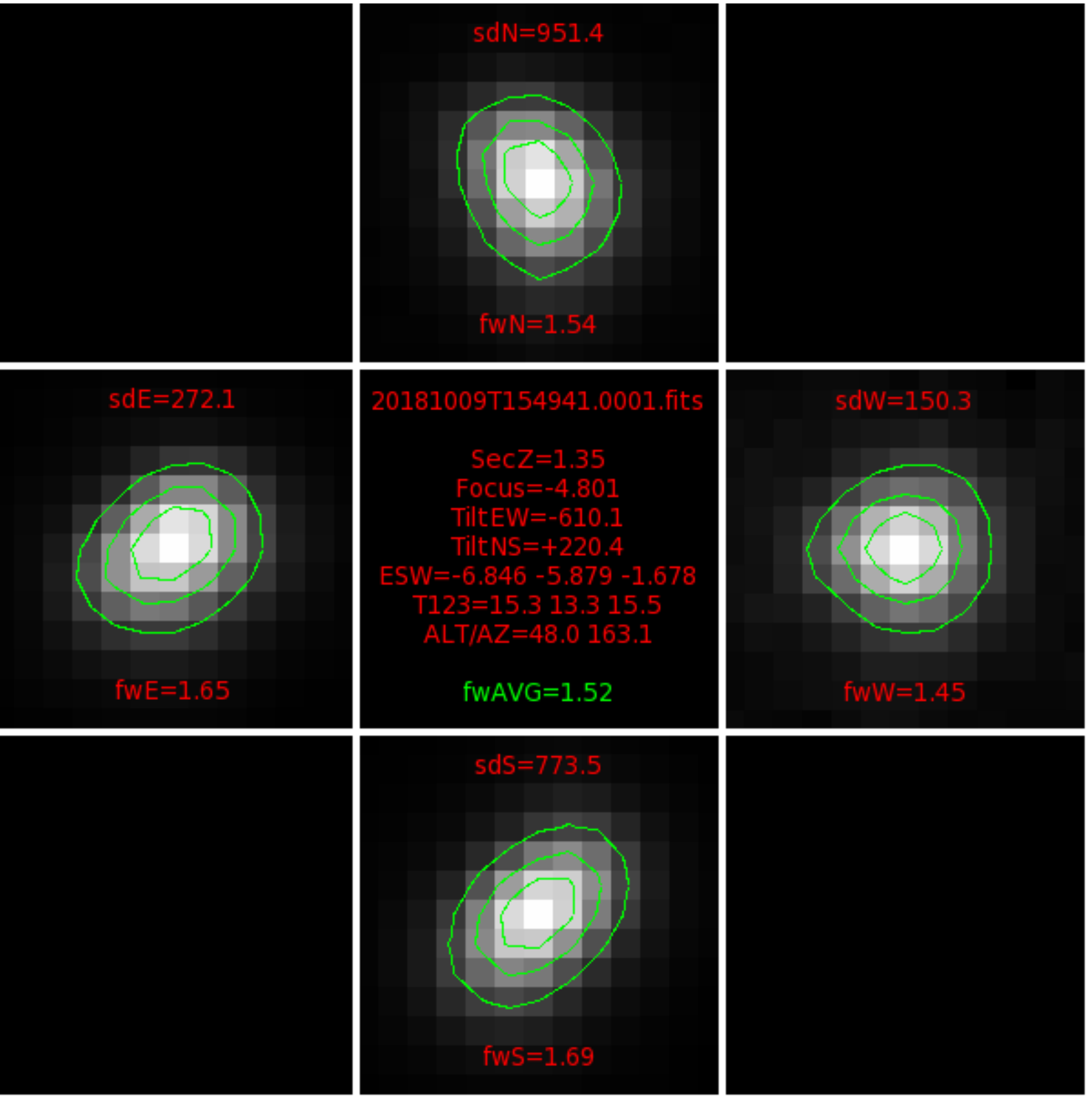
sdN=951.4
fwN=1.54
sdE=272.1
fwE=1.65
20181009T154941.0001.fits
SecZ=1.35
Focus=-4.801
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.846 -5.879 -1.678
T123=15.3 13.3 15.5
ALT/AZ=48.0 163.1
fwAVG=1.52
sdW=150.3
fwW=1.45
sdS=773.5
fwS=1.69
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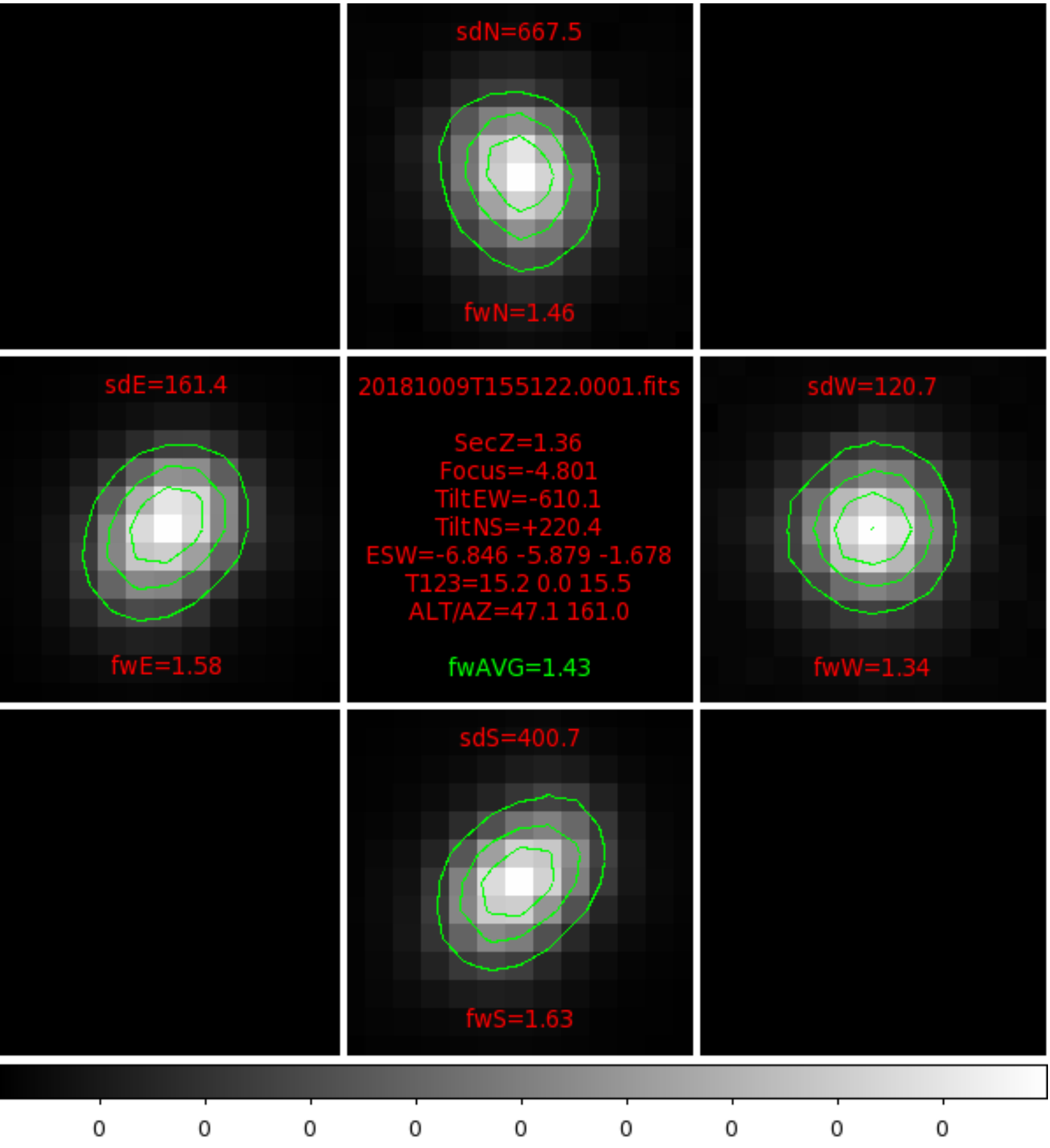
sdN=667.5
fwN=1.46
sdE=161.4
fwE=1.58
20181009T155122.0001.fits
SecZ=1.36
Focus=-4.801
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.846 -5.879 -1.678
T123=15.2 0.0 15.5
ALT/AZ=47.1 161.0
fwAVG=1.43
sdW=120.7
fwW=1.34
sdS=400.7
fwS=1.63
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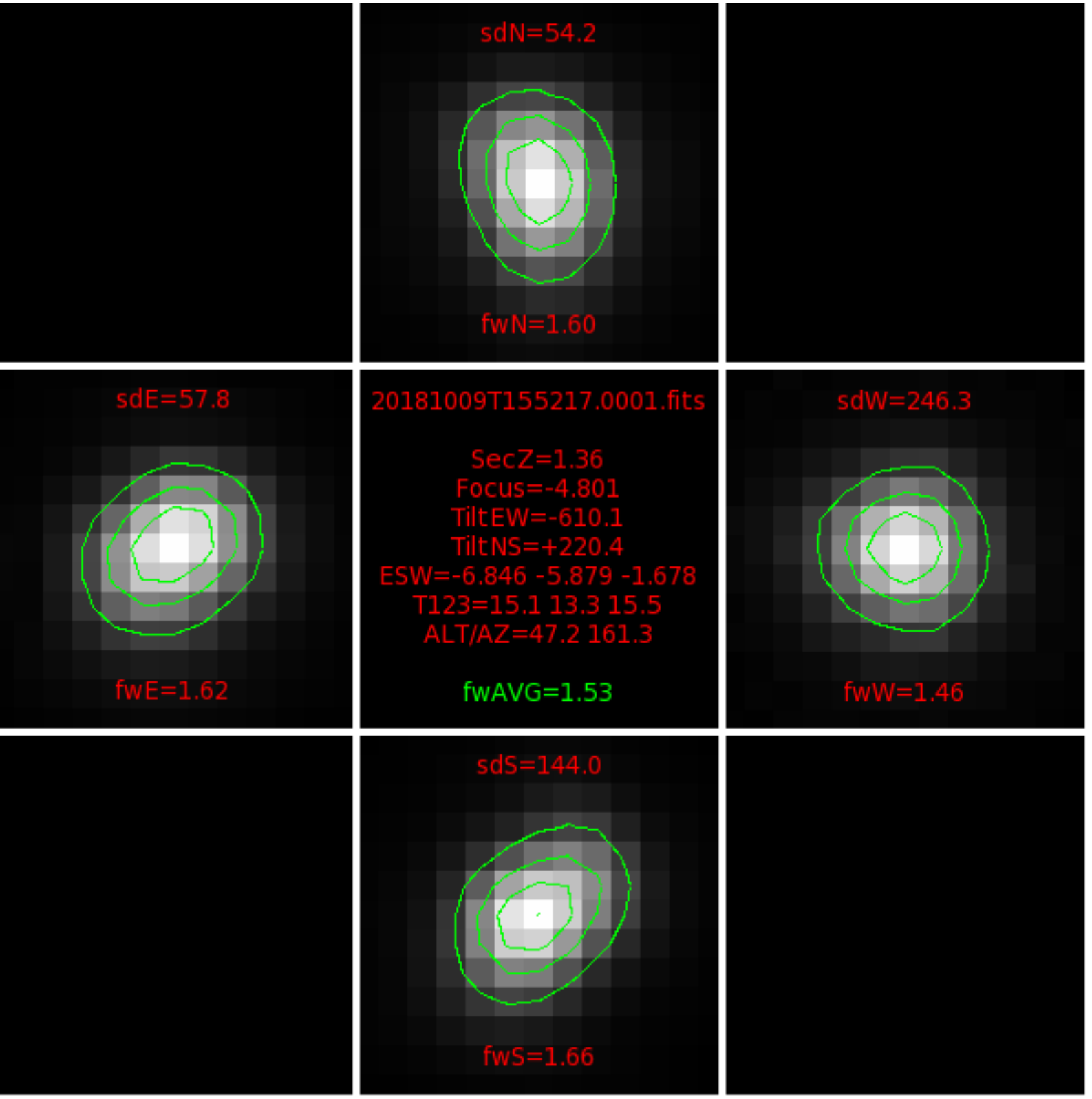
sdN=54.2
fwN=1.60
sdE=57.8
fwE=1.62
20181009T155217.0001.fits
SecZ=1.36
Focus=-4.801
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.846 -5.879 -1.678
T123=15.1 13.3 15.5
ALT/AZ=47.2 161.3
fwAVG=1.53
sdW=246.3
fwW=1.46
sdS=144.0
fwS=1.66
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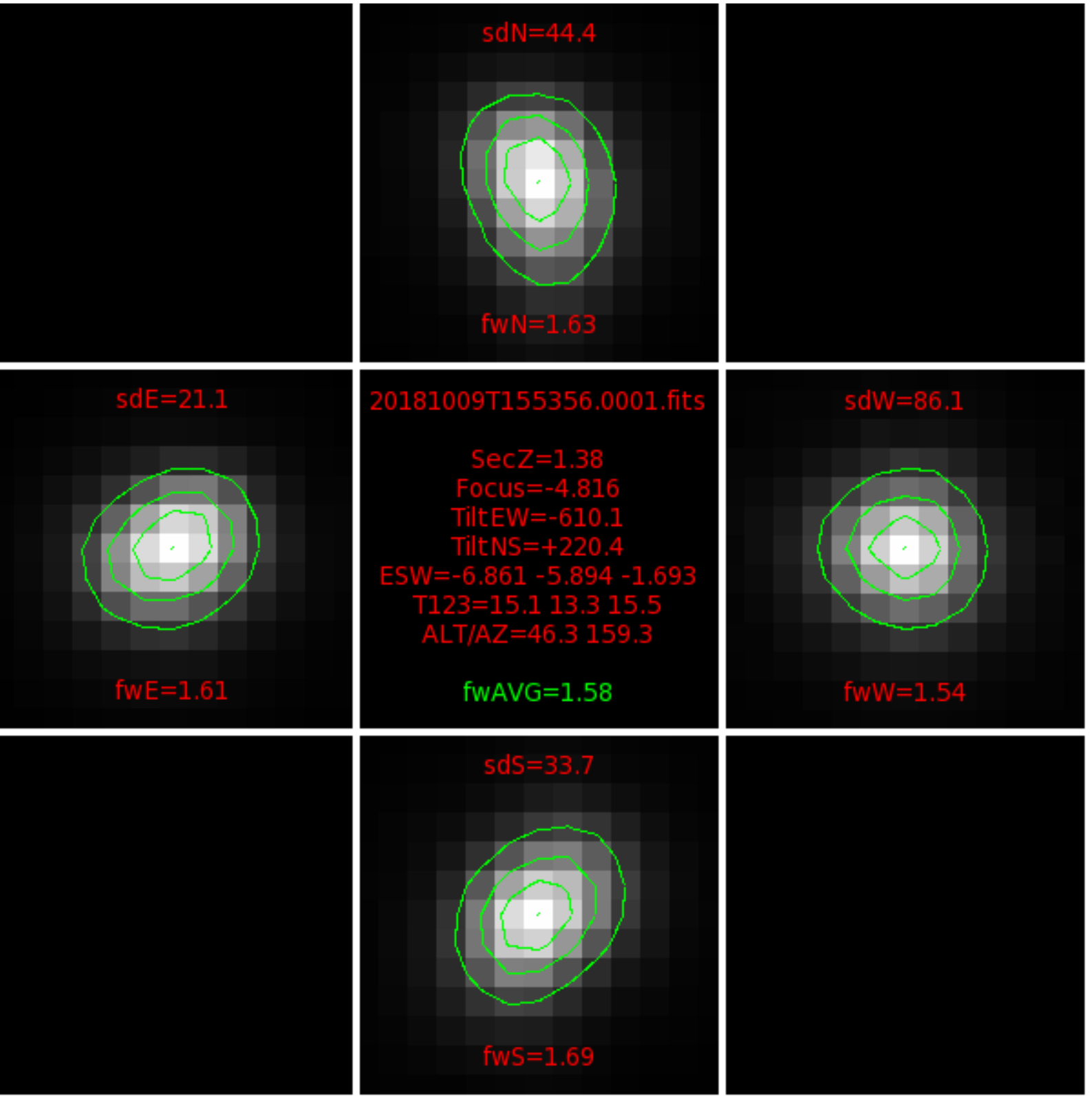
sdN=44.4
fwN=1.63
sdE=21.1
fwE=1.61
20181009T155356.0001.fits
SecZ=1.38
Focus=-4.816
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.861 -5.894 -1.693
T123=15.1 13.3 15.5
ALT/AZ=46.3 159.3
fwAVG=1.58
sdW=86.1
fwW=1.54
sdS=33.7
fwS=1.69
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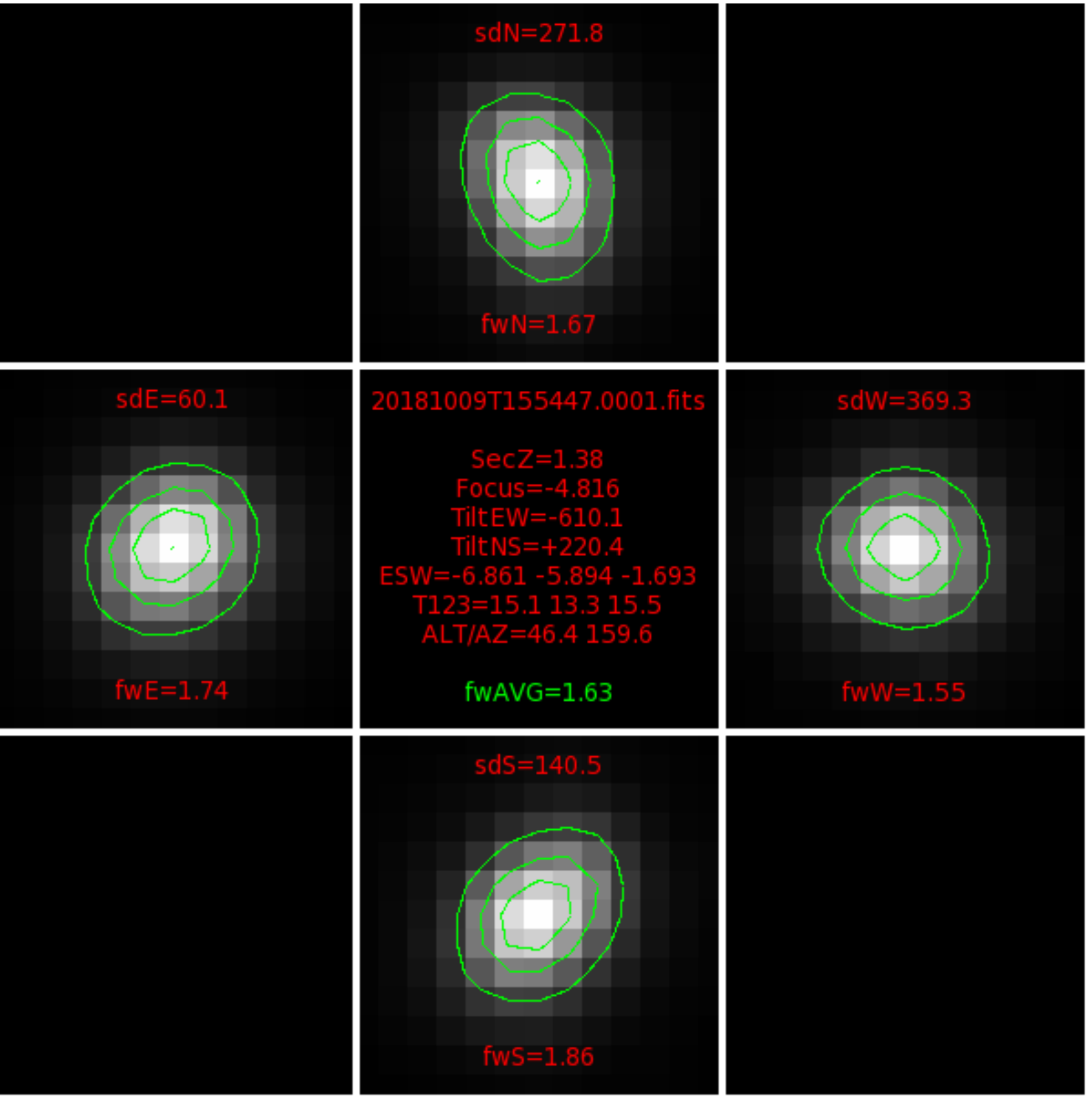
sdN=271.8
fwN=1.67
sdE=60.1
fwE=1.74
20181009T155447.0001.fits
SecZ=1.38
Focus=-4.816
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.861 -5.894 -1.693
T123=15.1 13.3 15.5
ALT/AZ=46.4 159.6
fwAVG=1.63
sdW=369.3
fwW=1.55
sdS=140.5
fwS=1.86
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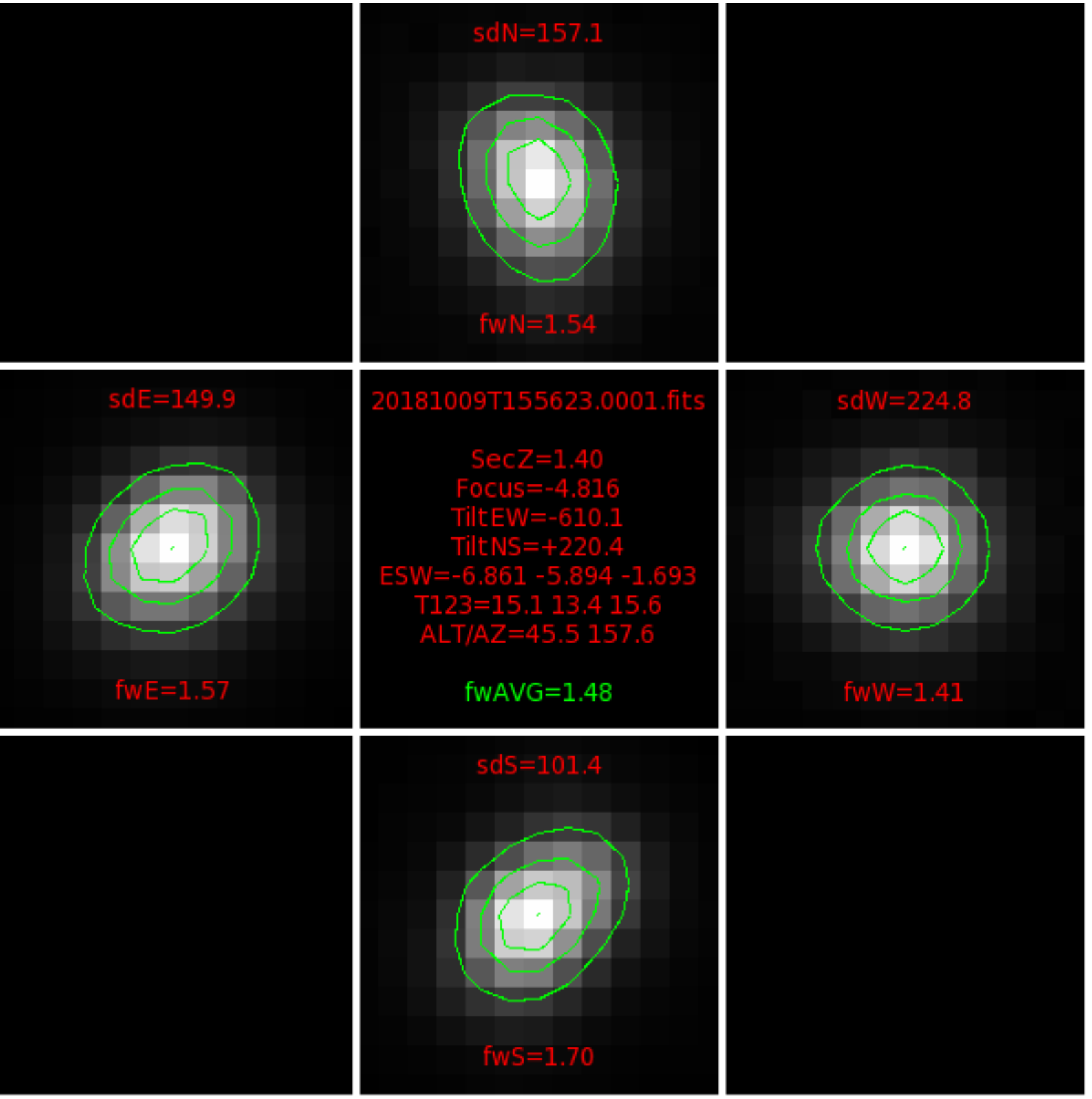
sdN=157.1
fwN=1.54
sdE=149.9
fwE=1.57
20181009T155623.0001.fits
SecZ=1.40
Focus=-4.816
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.861 -5.894 -1.693
T123=15.1 13.4 15.6
ALT/AZ=45.5 157.6
fwAVG=1.48
sdW=224.8
fwW=1.41
sdS=101.4
fwS=1.70
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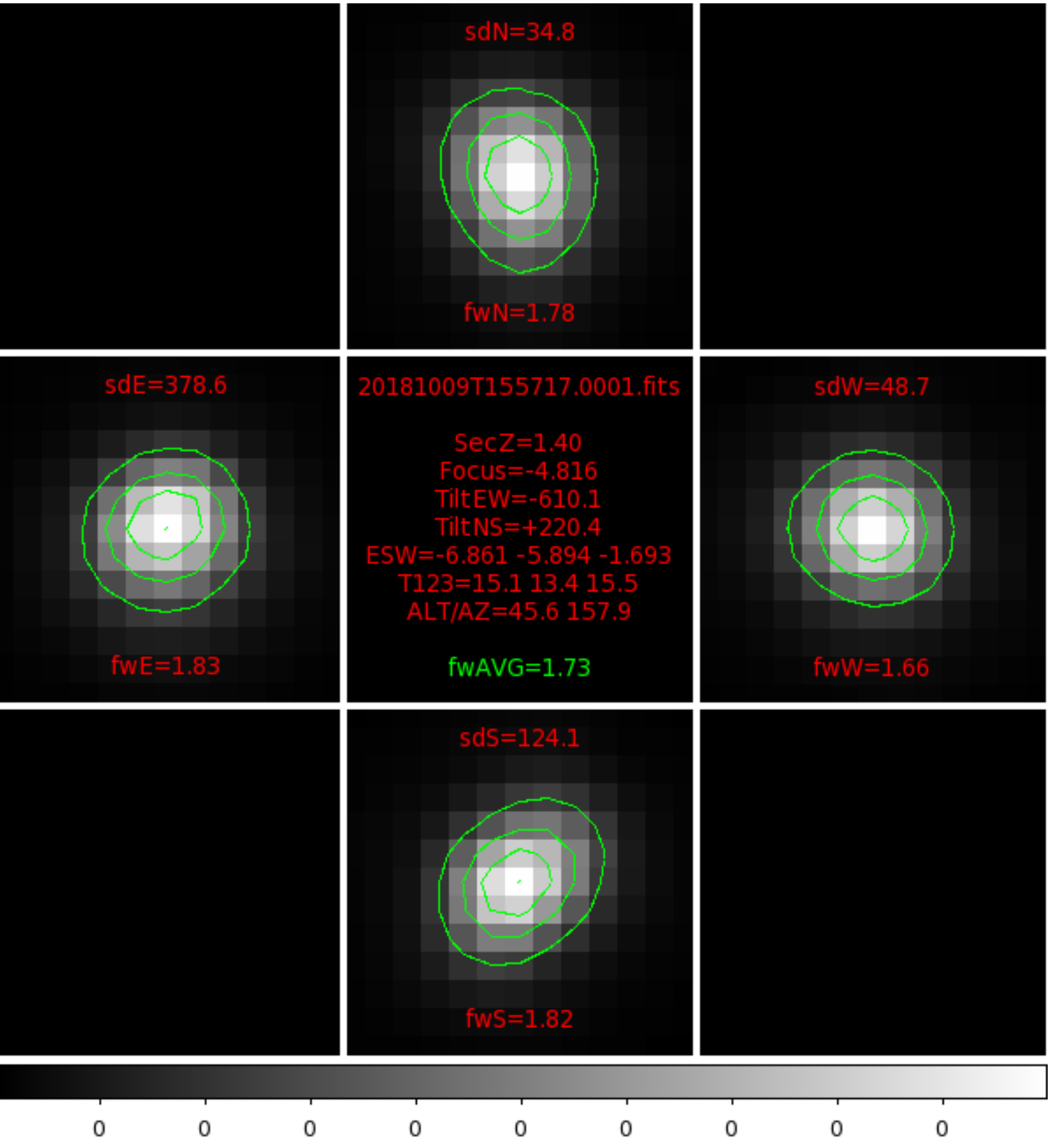
sdN=34.8
fwN=1.78
sdE=378.6
fwE=1.83
20181009T155717.0001.fits
SecZ=1.40
Focus=-4.816
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.861 -5.894 -1.693
T123=15.1 13.4 15.5
ALT/AZ=45.6 157.9
fwAVG=1.73
sdW=48.7
fwW=1.66
sdS=124.1
fwS=1.82
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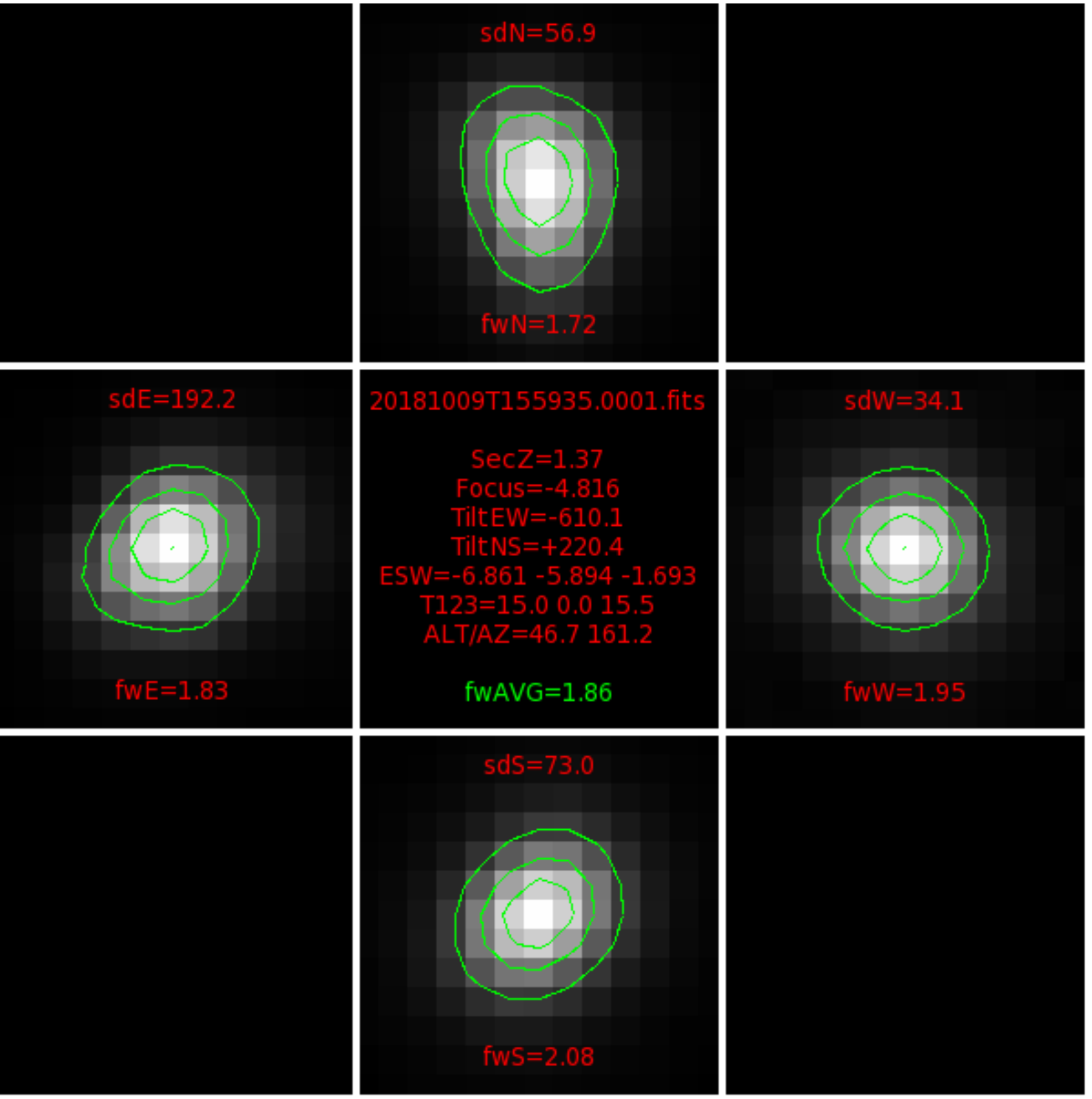
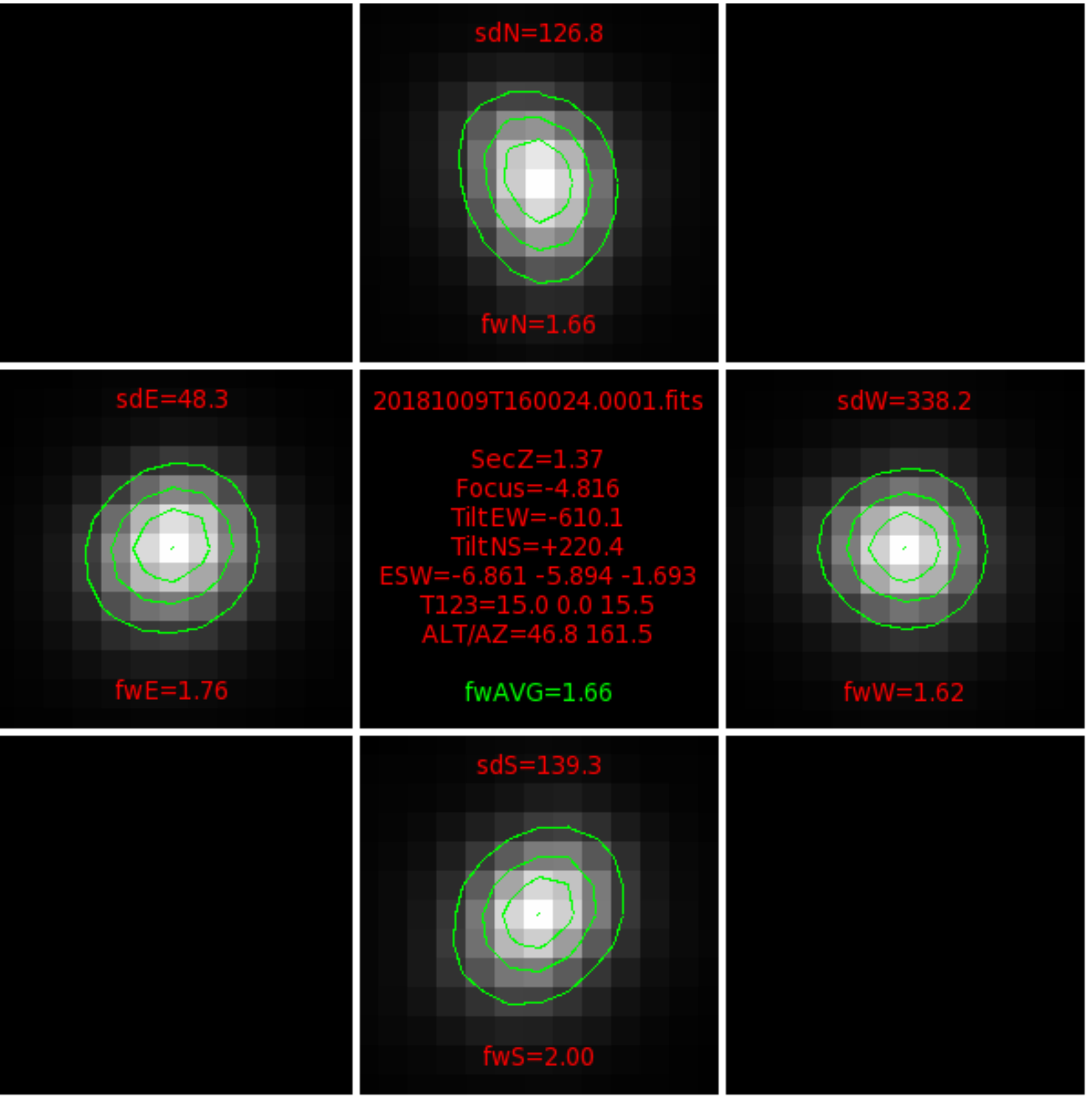
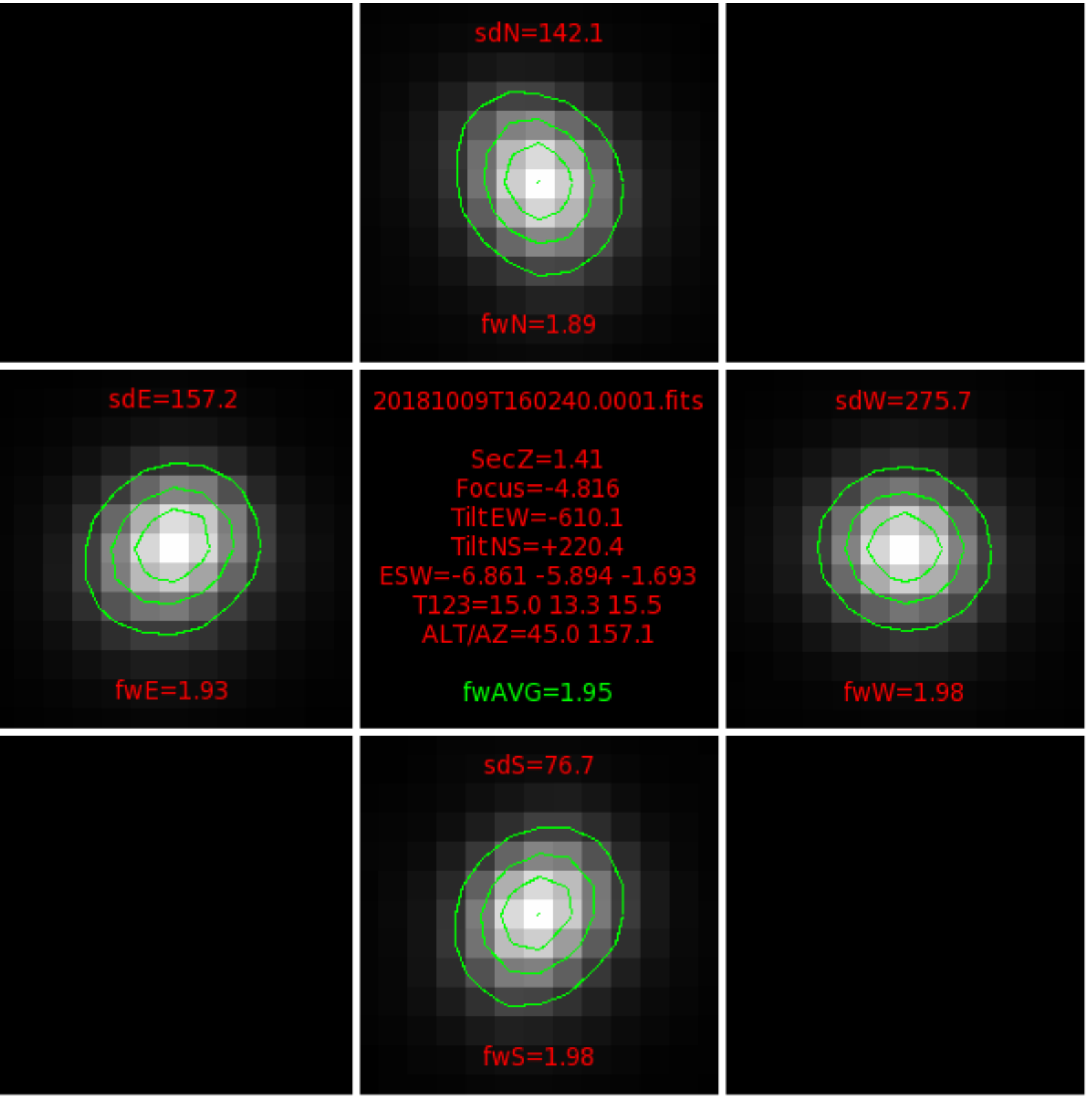

sdN=56.9
fwN=1.72
sdE=192.2
fwE=1.83
20181009T155935.0001.fits
SecZ=1.37
Focus=-4.816
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.861 -5.894 -1.693
T123=15.0 0.0 15.5
ALT/AZ=46.7 161.2
fwAVG=1.86
sdW=34.1
fwW=1.95
sdS=73.0
fwS=2.08
0 0 0 0 0 0 0 0 0


sdN=126.8
fwN=1.66
sdE=48.3
fwE=1.76
20181009T160024.0001.fits
SecZ=1.37
Focus=-4.816
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.861 -5.894 -1.693
T123=15.0 0.0 15.5
ALT/AZ=46.8 161.5
fwAVG=1.66
sdW=338.2
fwW=1.62
sdS=139.3
fwS=2.00
0 0 0 0 0 0 0 0 0


sdN=142.1
fwN=1.89
sdE=157.2
fwE=1.93
20181009T160240.0001.fits
SecZ=1.41
Focus=-4.816
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.861 -5.894 -1.693
T123=15.0 13.3 15.5
ALT/AZ=45.0 157.1
fwAVG=1.95
sdW=275.7
fwW=1.98
sdS=76.7
fwS=1.98
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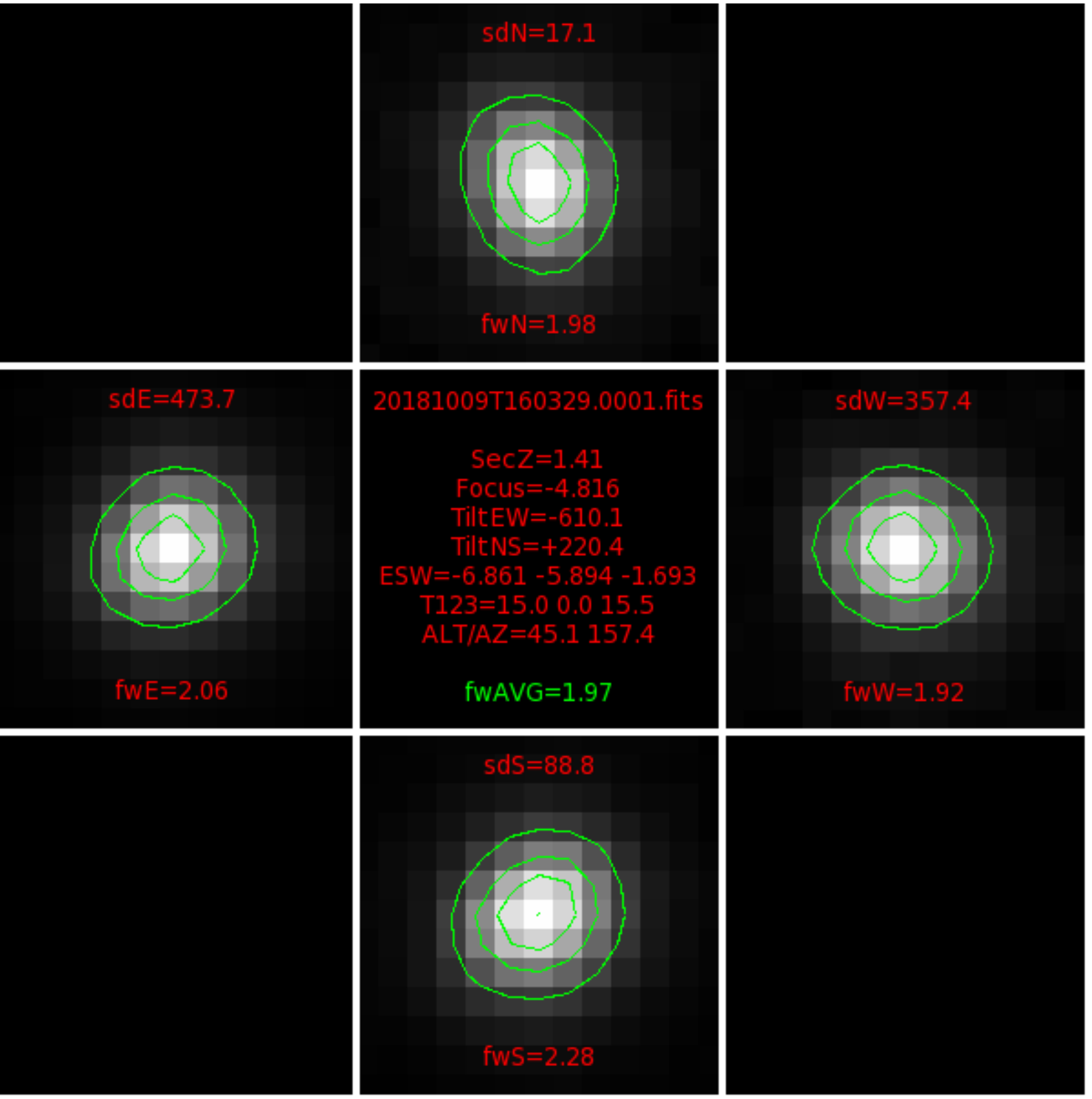
sdN=17.1
fwN=1.98
sdE=473.7
fwE=2.06
20181009T160329.0001.fits
SecZ=1.41
Focus=-4.816
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.861 -5.894 -1.693
T123=15.0 0.0 15.5
ALT/AZ=45.1 157.4
fwAVG=1.97
sdW=357.4
fwW=1.92
sdS=88.8
fwS=2.28
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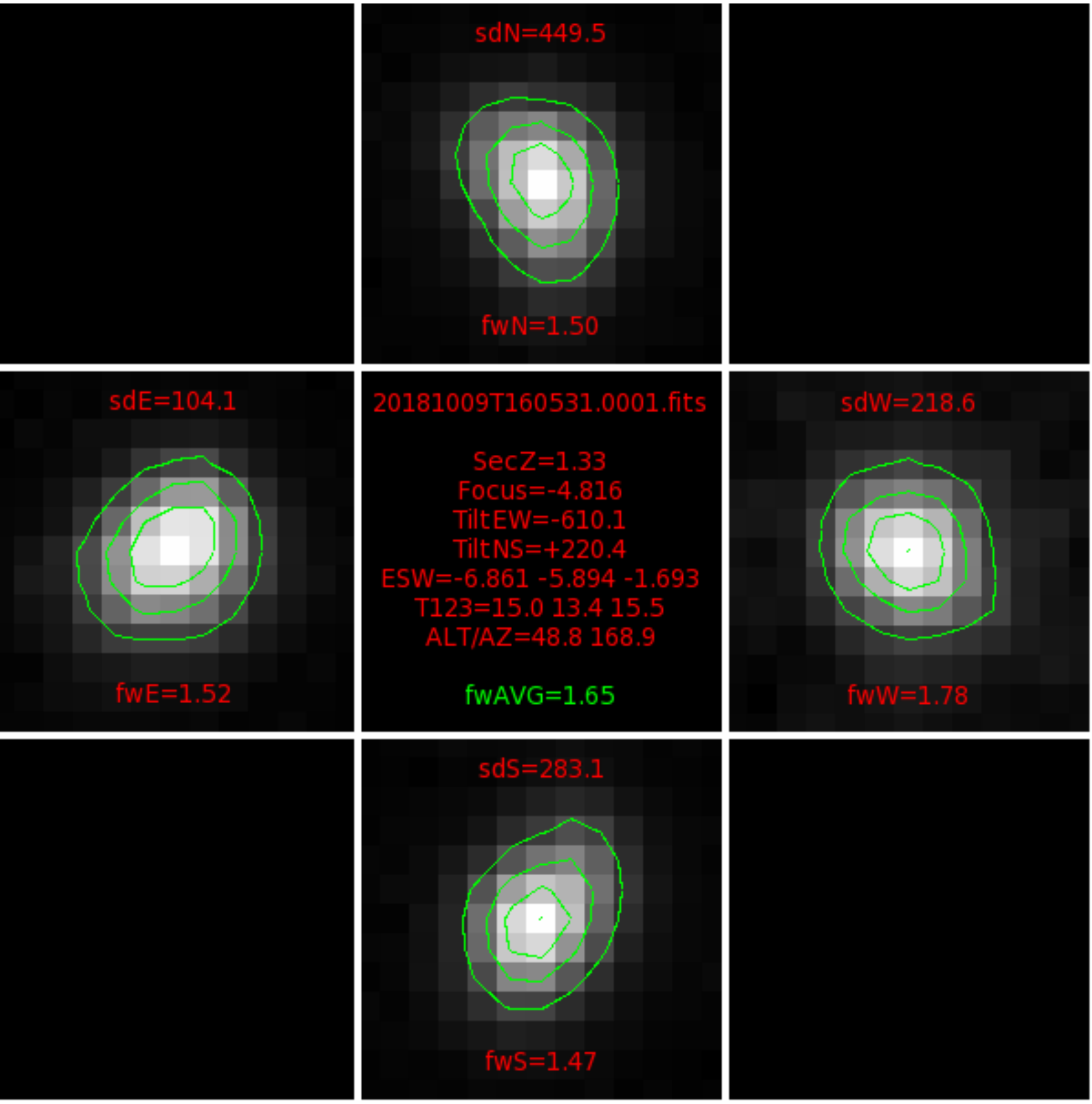
sdN=449.5
fwN=1.50
sdE=104.1
fwE=1.52
20181009T160531.0001.fits
SecZ=1.33
Focus=-4.816
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.861 -5.894 -1.693
T123=15.0 13.4 15.5
ALT/AZ=48.8 168.9
fwAVG=1.65
sdW=218.6
fwW=1.78
sdS=283.1
fwS=1.47
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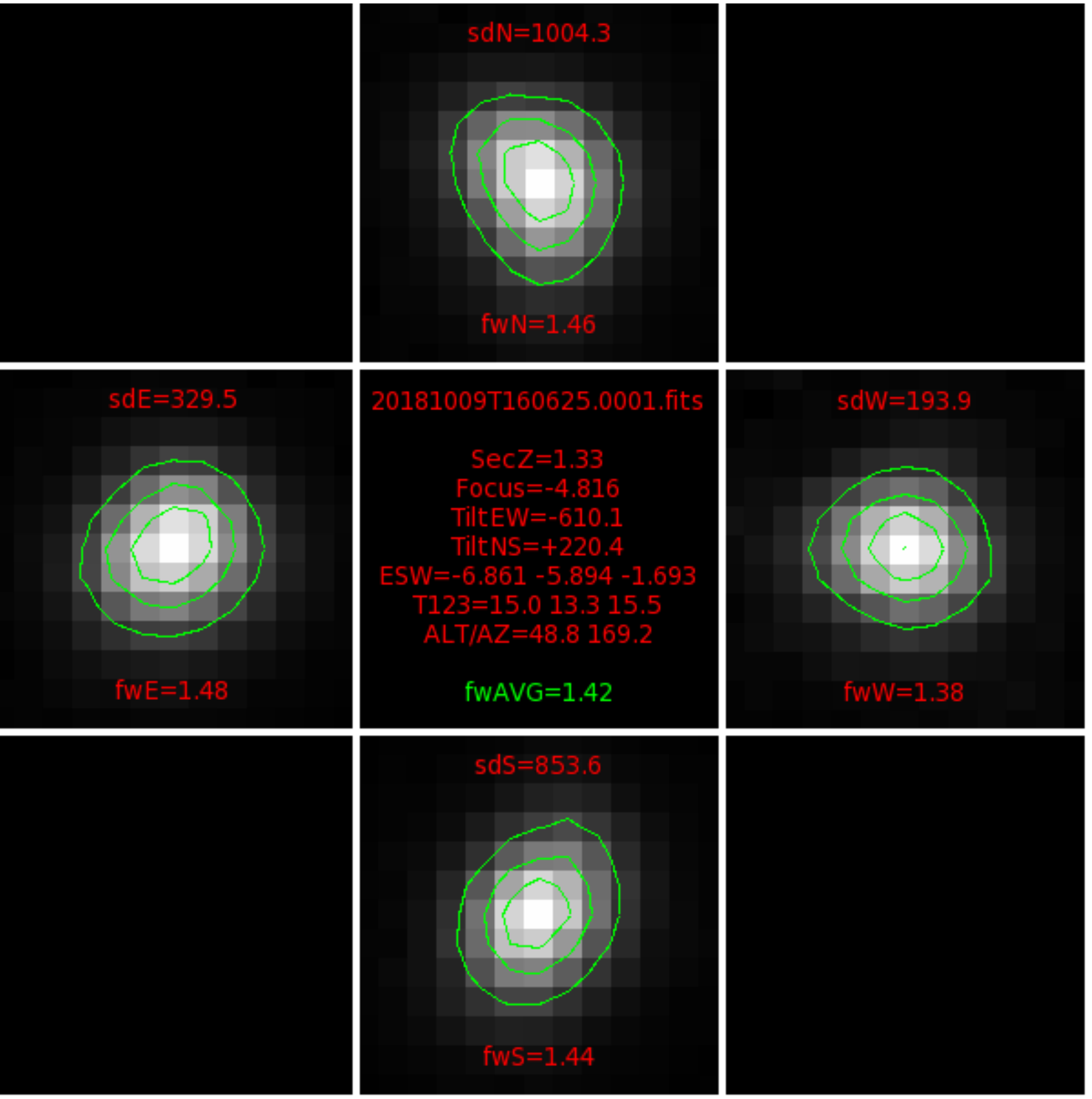
sdN=1004.3
fwN=1.46
sdE=329.5
fwE=1.48
20181009T160625.0001.fits
SecZ=1.33
Focus=-4.816
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.861 -5.894 -1.693
T123=15.0 13.3 15.5
ALT/AZ=48.8 169.2
fwAVG=1.42
sdW=193.9
fwW=1.38
sdS=853.6
fwS=1.44
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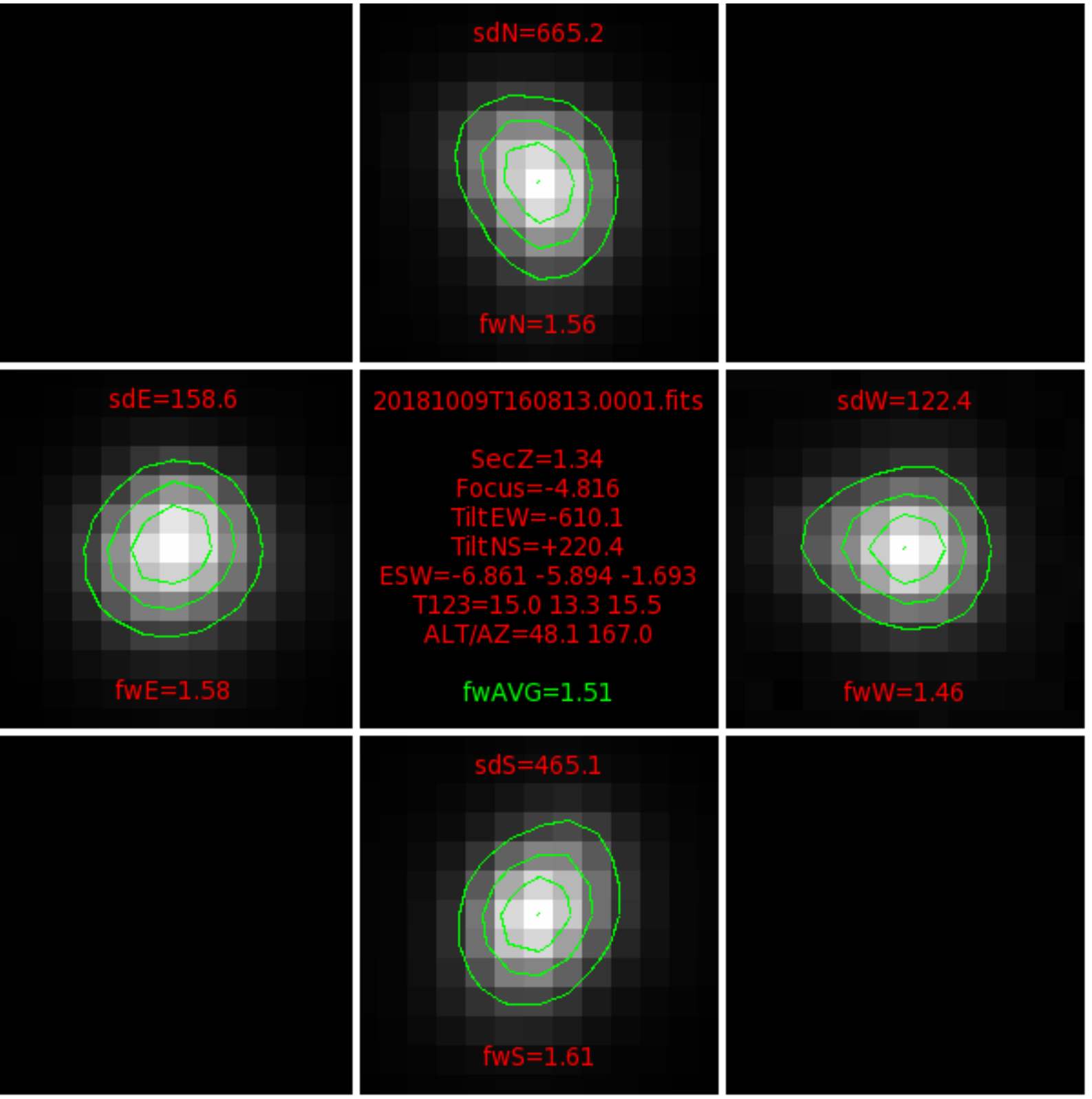
sdN=665.2
fwN=1.56
sdE=158.6
fwE=1.58
20181009T160813.0001.fits
SecZ=1.34
Focus=-4.816
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.861 -5.894 -1.693
T123=15.0 13.3 15.5
ALT/AZ=48.1 167.0
fwAVG=1.51
sdW=122.4
fwW=1.46
sdS=465.1
fwS=1.61
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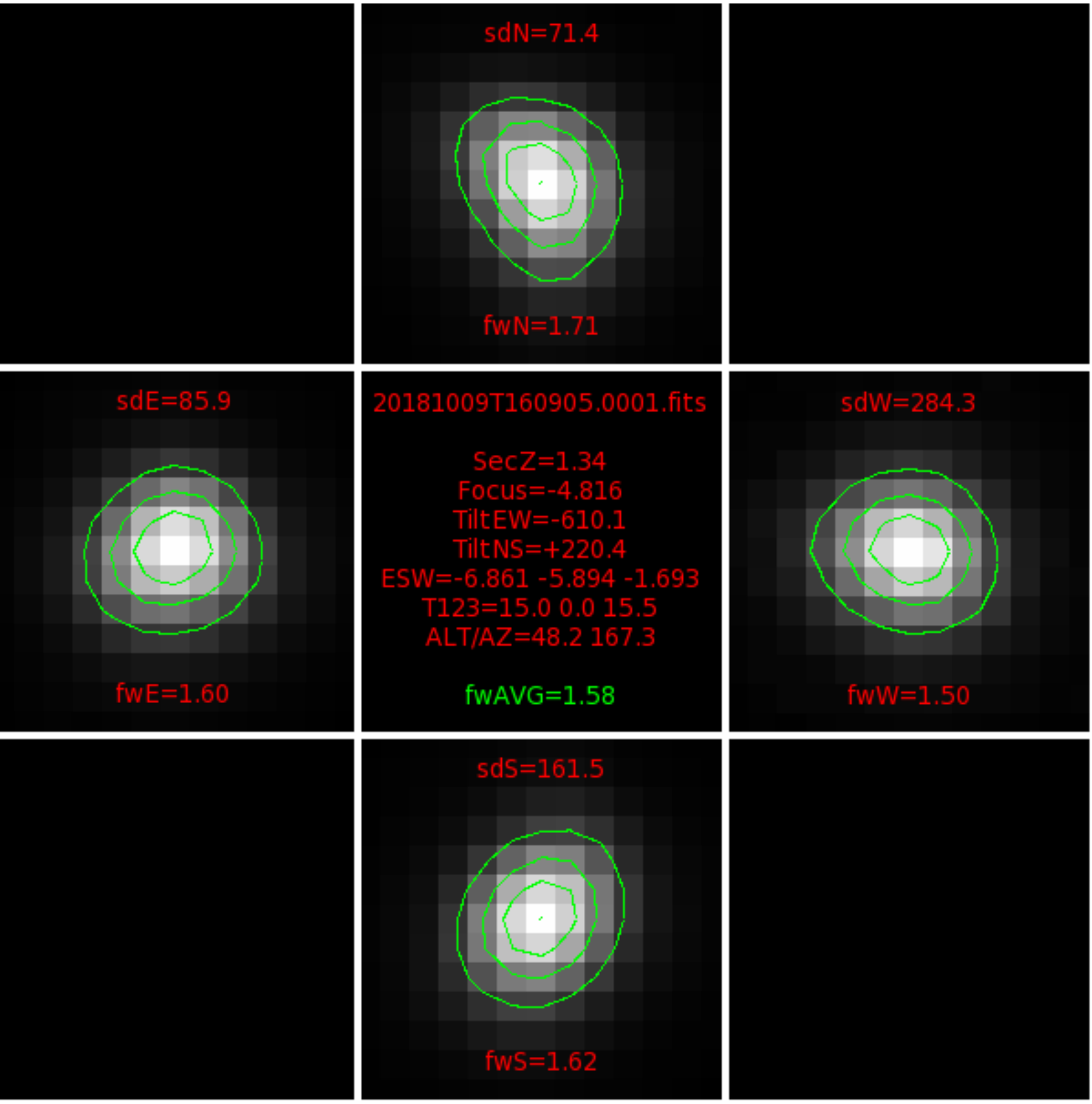
sdN=71.4
fwN=1.71
sdE=85.9
fwE=1.60
20181009T160905.0001.fits
SecZ=1.34
Focus=-4.816
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.861 -5.894 -1.693
T123=15.0 0.0 15.5
ALT/AZ=48.2 167.3
fwAVG=1.58
sdW=284.3
fwW=1.50
sdS=161.5
fwS=1.62
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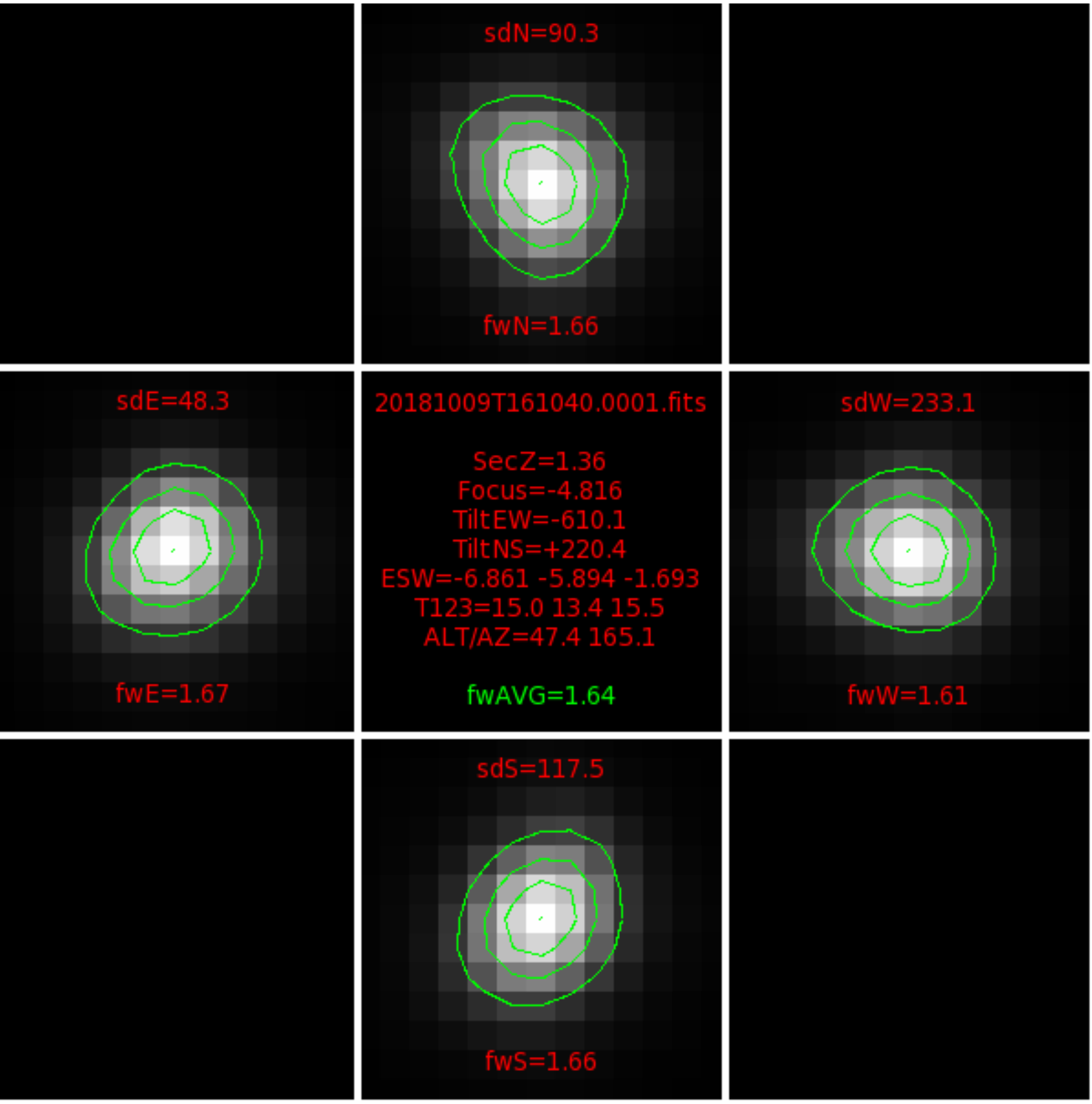
sdN=90.3
fwN=1.66
sdE=48.3
fwE=1.67
20181009T161040.0001.fits
SecZ=1.36
Focus=-4.816
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.861 -5.894 -1.693
T123=15.0 13.4 15.5
ALT/AZ=47.4 165.1
fwAVG=1.64
sdW=233.1
fwW=1.61
sdS=117.5
fwS=1.66
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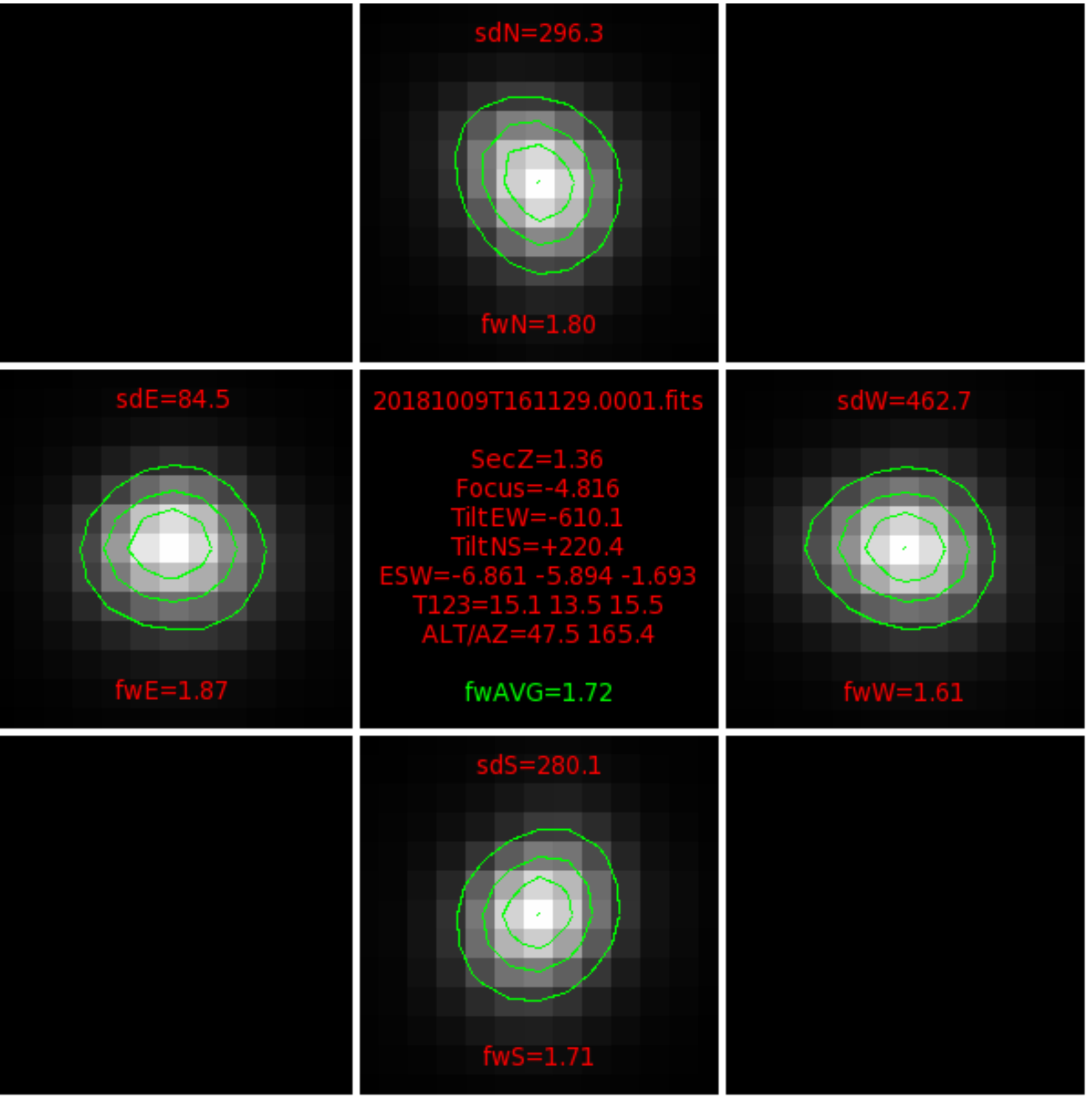
sdN=296.3
fwN=1.80
sdE=84.5
fwE=1.87
20181009T161129.0001.fits
SecZ=1.36
Focus=-4.816
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.861 -5.894 -1.693
T123=15.1 13.5 15.5
ALT/AZ=47.5 165.4
fwAVG=1.72
sdW=462.7
fwW=1.61
sdS=280.1
fwS=1.71
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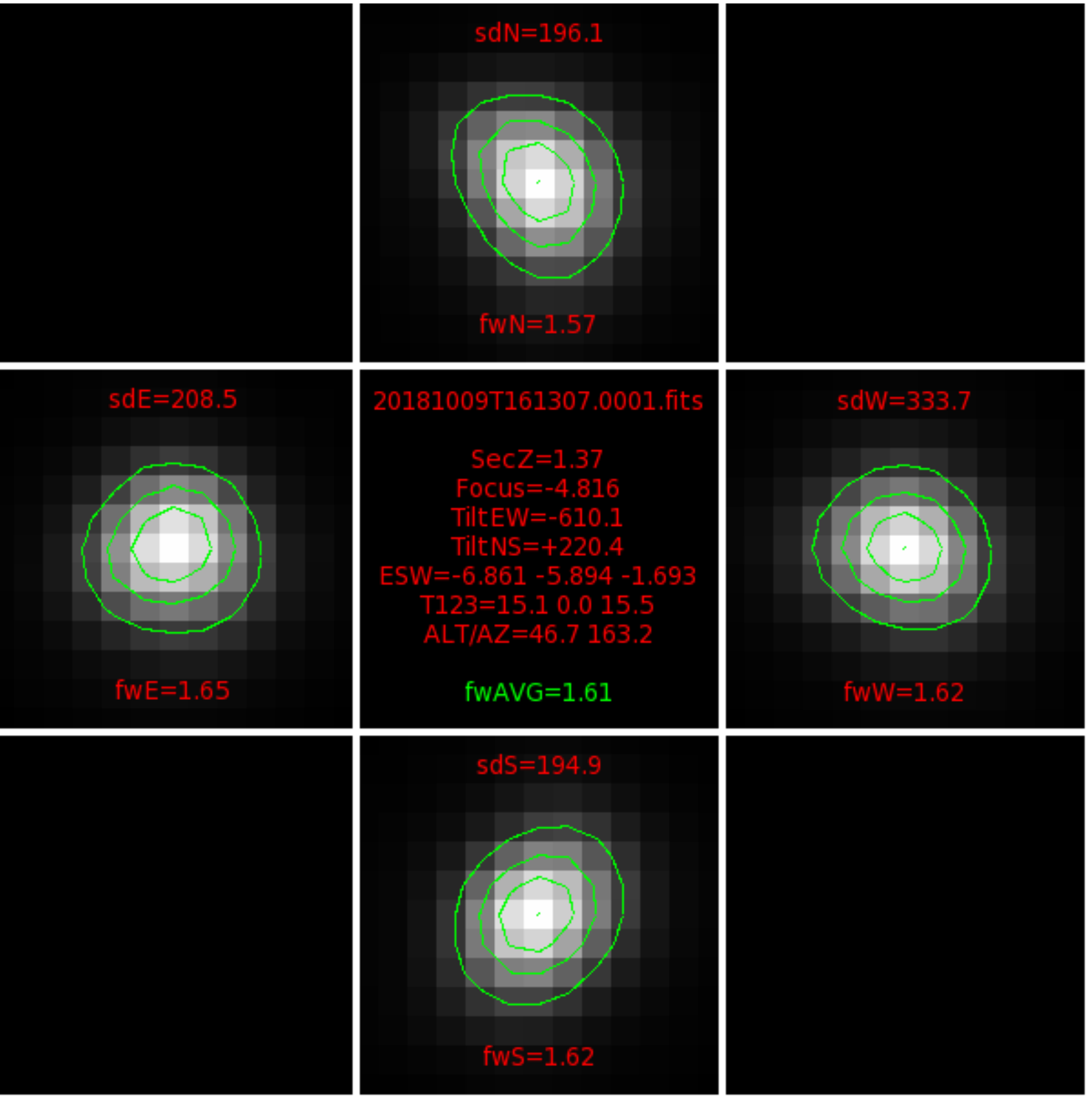
sdN=196.1
fwN=1.57
sdE=208.5
fwE=1.65
20181009T161307.0001.fits
SecZ=1.37
Focus=-4.816
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.861 -5.894 -1.693
T123=15.1 0.0 15.5
ALT/AZ=46.7 163.2
fwAVG=1.61
sdW=333.7
fwW=1.62
sdS=194.9
fwS=1.62
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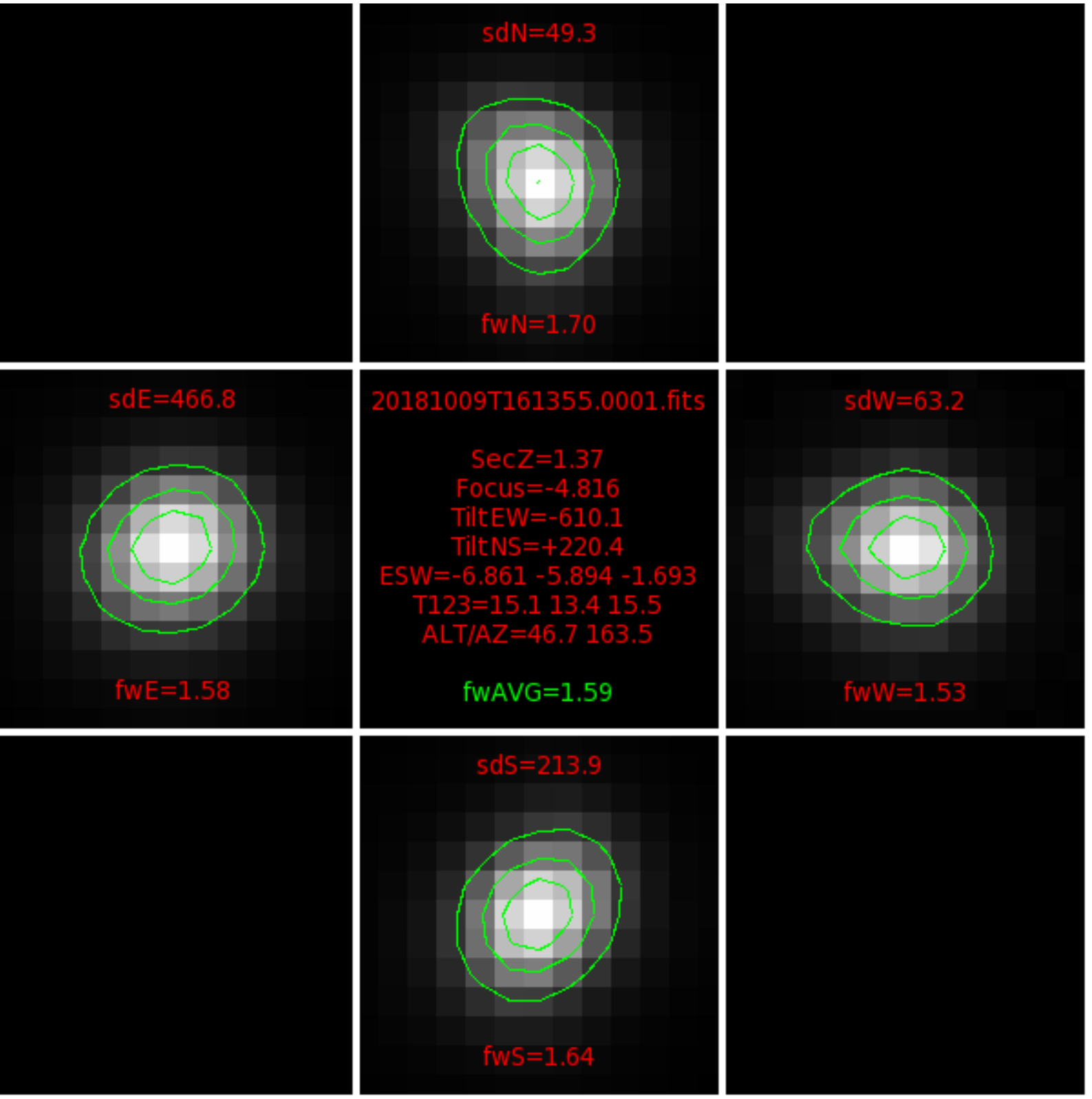
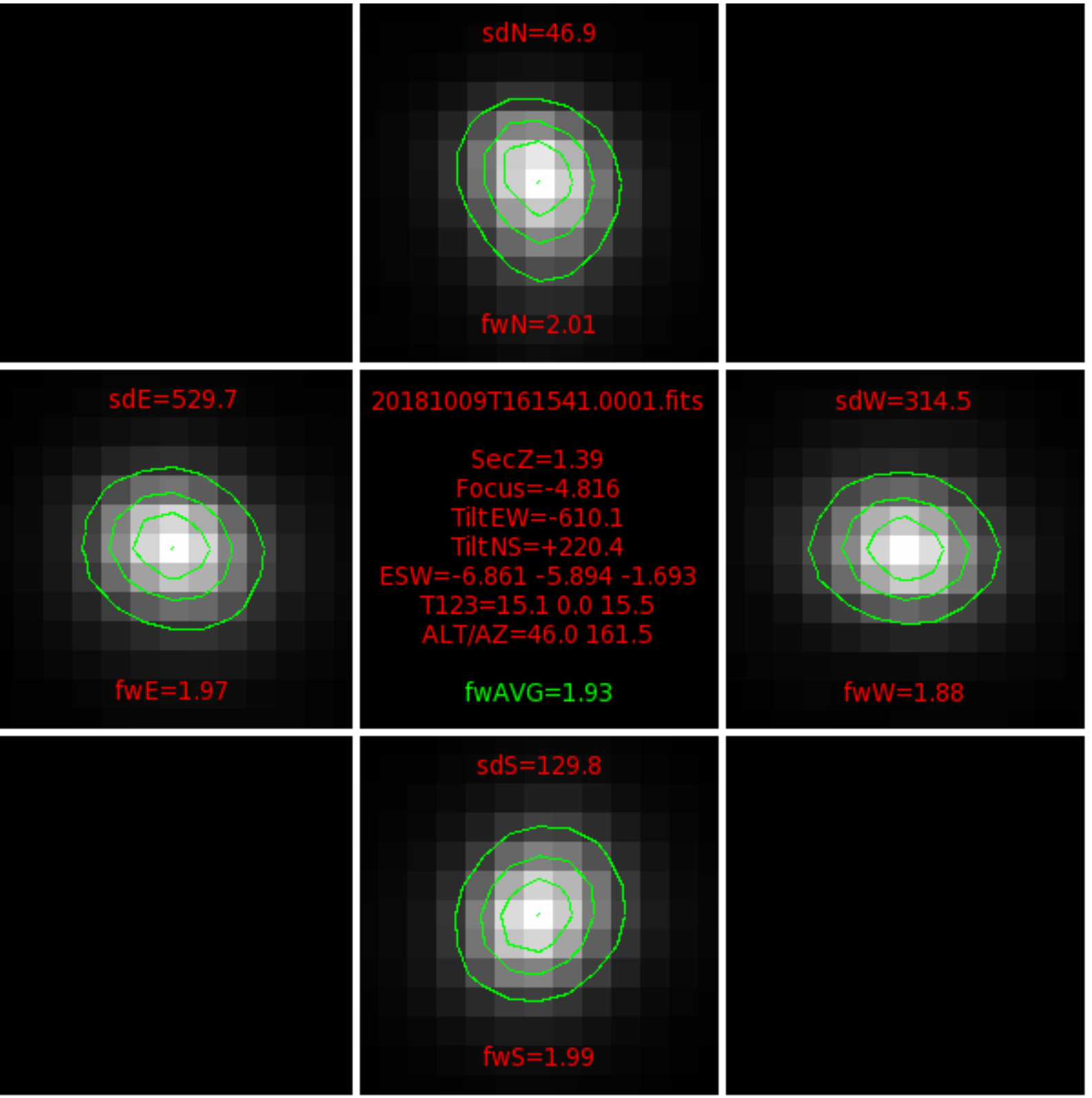

sdN=49.3
fwN=1.70
sdE=466.8
fwE=1.58
20181009T161355.0001.fits
SecZ=1.37
Focus=-4.816
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.861 -5.894 -1.693
T123=15.1 13.4 15.5
ALT/AZ=46.7 163.5
fwAVG=1.59
sdW=63.2
fwW=1.53
sdS=213.9
fwS=1.64
0 0 0 0 0 0 0 0 0


sdN=46.9
fwN=2.01
sdE=529.7
fwE=1.97
20181009T161541.0001.fits
SecZ=1.39
Focus=-4.816
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.861 -5.894 -1.693
T123=15.1 0.0 15.5
ALT/AZ=46.0 161.5
fwAVG=1.93
sdW=314.5
fwW=1.88
sdS=129.8
fwS=1.99
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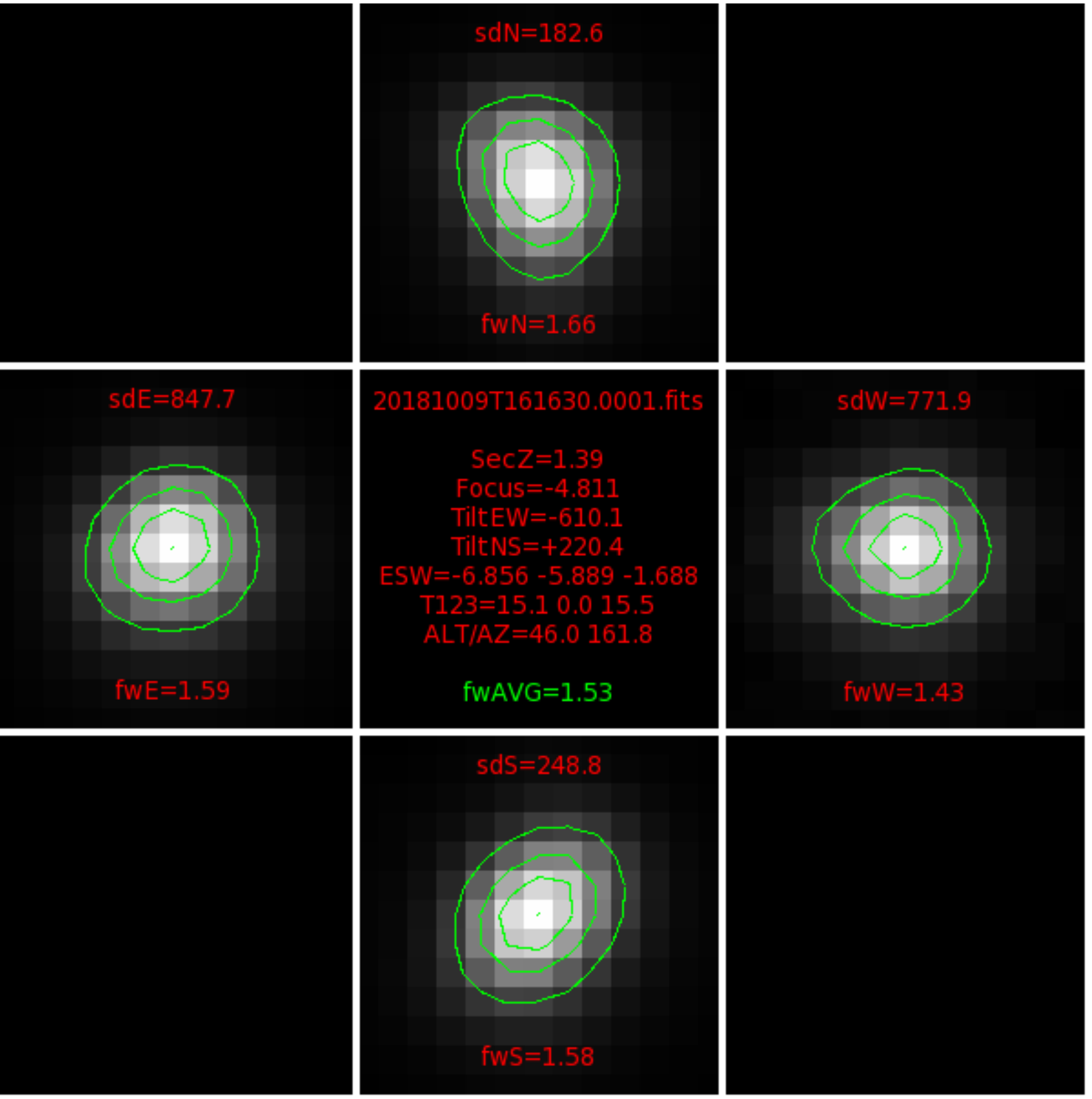
sdN=182.6
fwN=1.66
sdE=847.7
fwE=1.59
20181009T161630.0001.fits
SecZ=1.39
Focus=-4.811
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.856 -5.889 -1.688
T123=15.1 0.0 15.5
ALT/AZ=46.0 161.8
fwAVG=1.53
sdW=771.9
fwW=1.43
sdS=248.8
fwS=1.58
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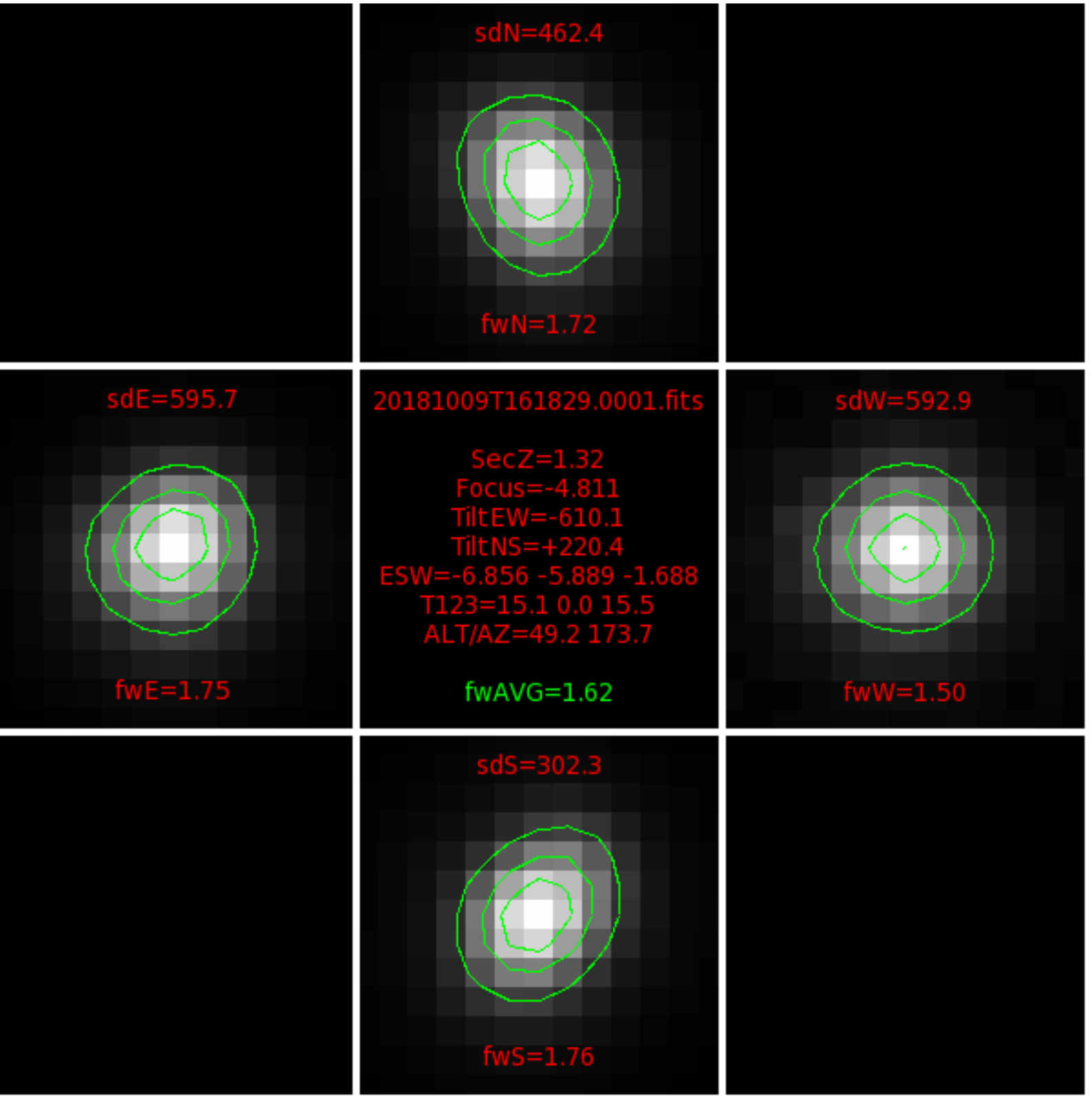
sdN=462.4
fwN=1.72
sdE=595.7
fwE=1.75
20181009T161829.0001.fits
SecZ=1.32
Focus=-4.811
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.856 -5.889 -1.688
T123=15.1 0.0 15.5
ALT/AZ=49.2 173.7
fwAVG=1.62
sdW=592.9
fwW=1.50
sdS=302.3
fwS=1.76
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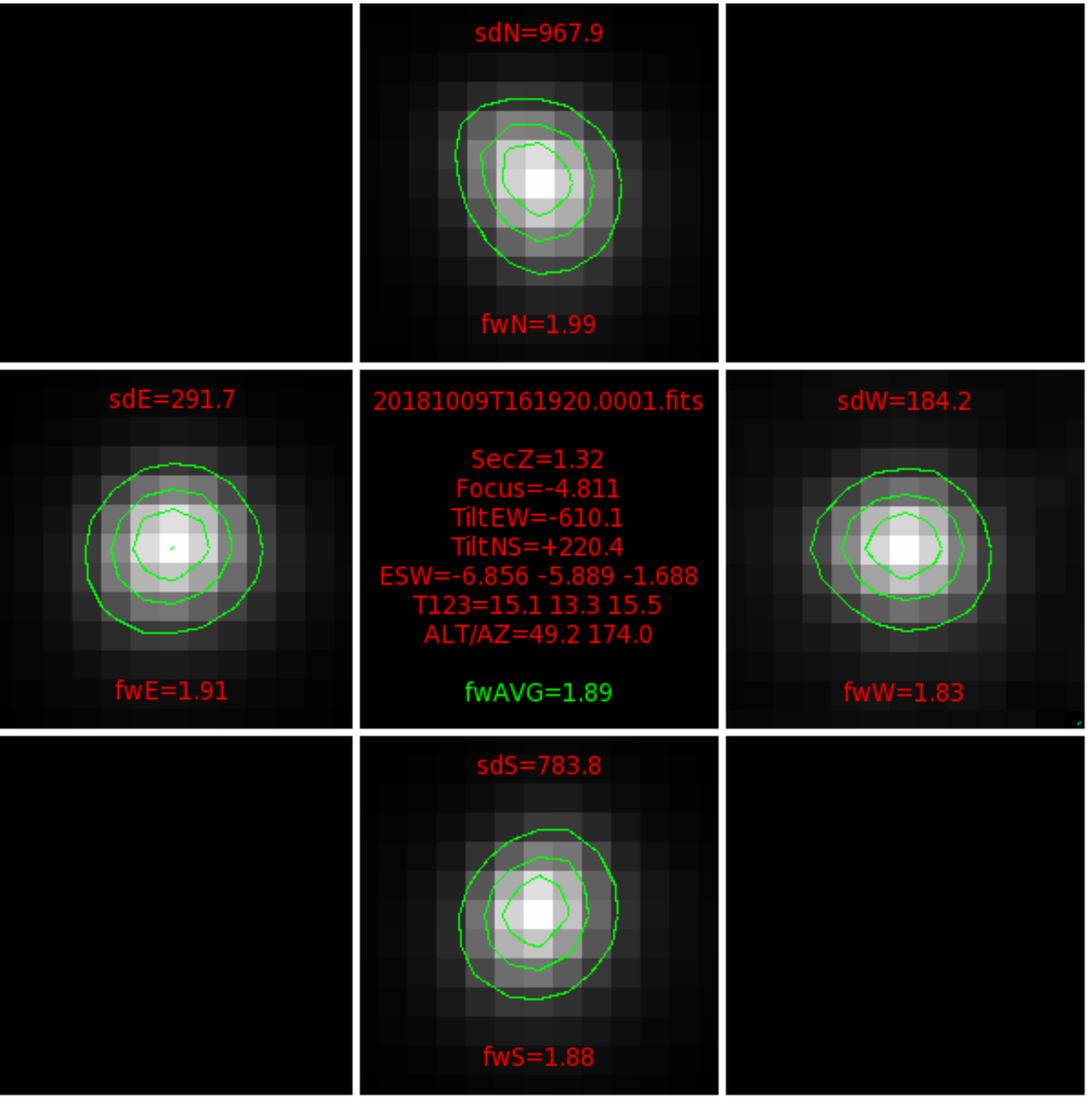
sdN=967.9
fwN=1.99
sdE=291.7
fwE=1.91
20181009T161920.0001.fits
SecZ=1.32
Focus=-4.811
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.856 -5.889 -1.688
T123=15.1 13.3 15.5
ALT/AZ=49.2 174.0
fwAVG=1.89
sdW=184.2
fwW=1.83
sdS=783.8
fwS=1.88
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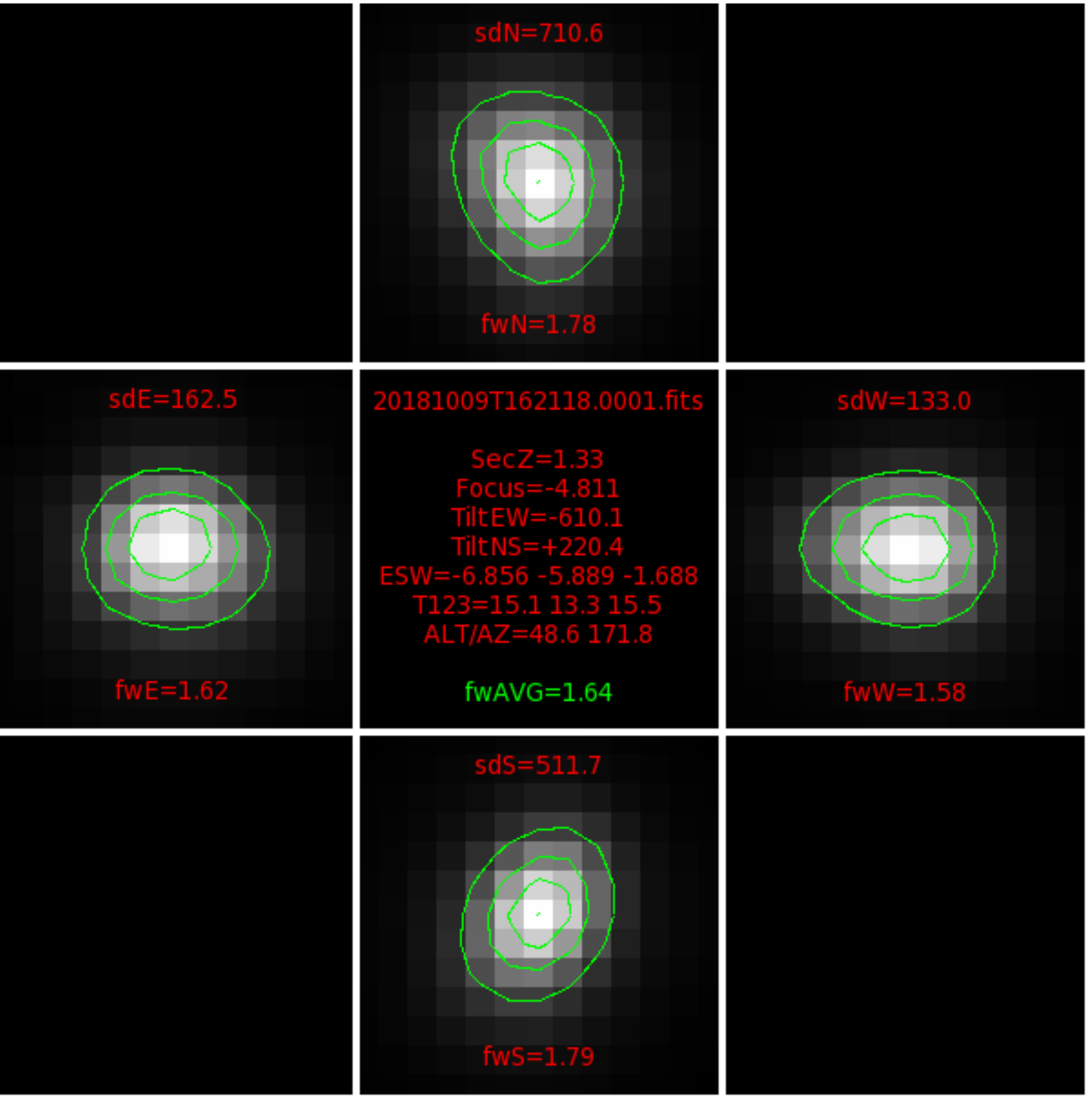
sdN=710.6
fwN=1.78
sdE=162.5
fwE=1.62
20181009T162118.0001.fits
SecZ=1.33
Focus=-4.811
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.856 -5.889 -1.688
T123=15.1 13.3 15.5
ALT/AZ=48.6 171.8
fwAVG=1.64
sdW=133.0
fwW=1.58
sdS=511.7
fwS=1.79
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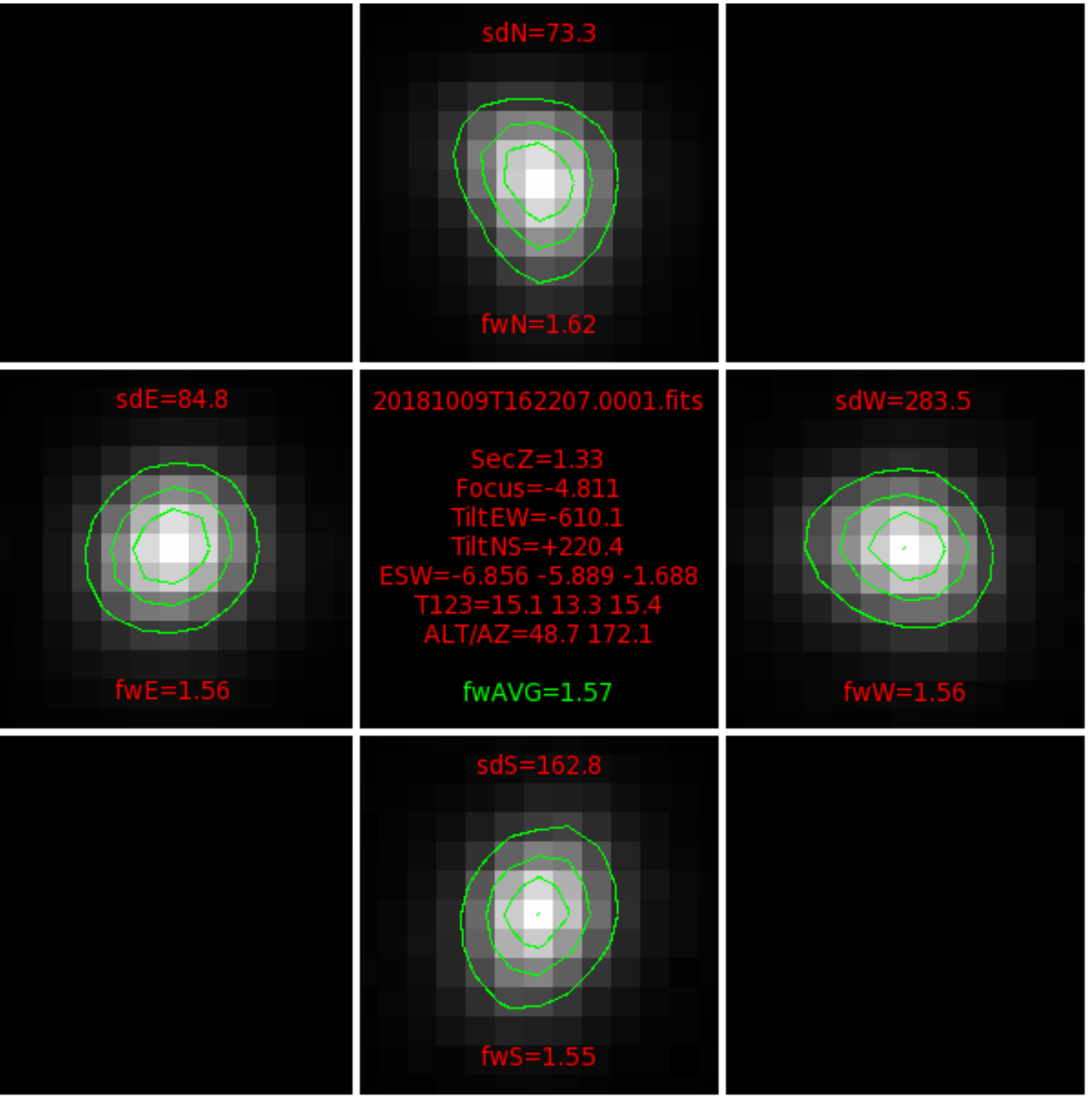
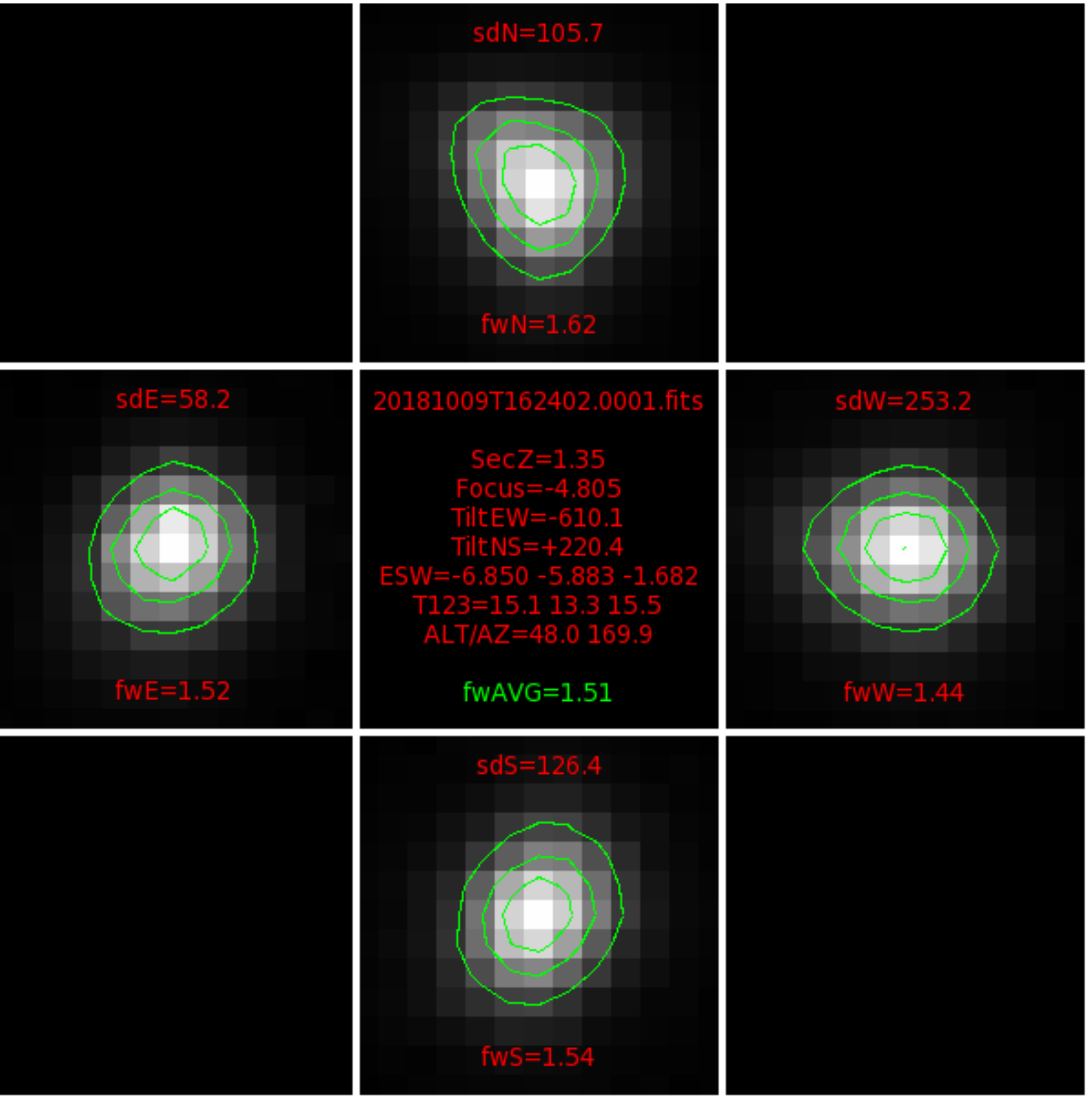

sdN=73.3
fwN=1.62
sdE=84.8
fwE=1.56
20181009T162207.0001.fits
SecZ=1.33
Focus=-4.811
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.856 -5.889 -1.688
T123=15.1 13.3 15.4
ALT/AZ=48.7 172.1
fwAVG=1.57
sdW=283.5
fwW=1.56
sdS=162.8
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=105.7
fwN=1.62
sdE=58.2
fwE=1.52
20181009T162402.0001.fits
SecZ=1.35
Focus=-4.805
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.850 -5.883 -1.682
T123=15.1 13.3 15.5
ALT/AZ=48.0 169.9
fwAVG=1.51
sdW=253.2
fwW=1.44
sdS=126.4
fwS=1.54
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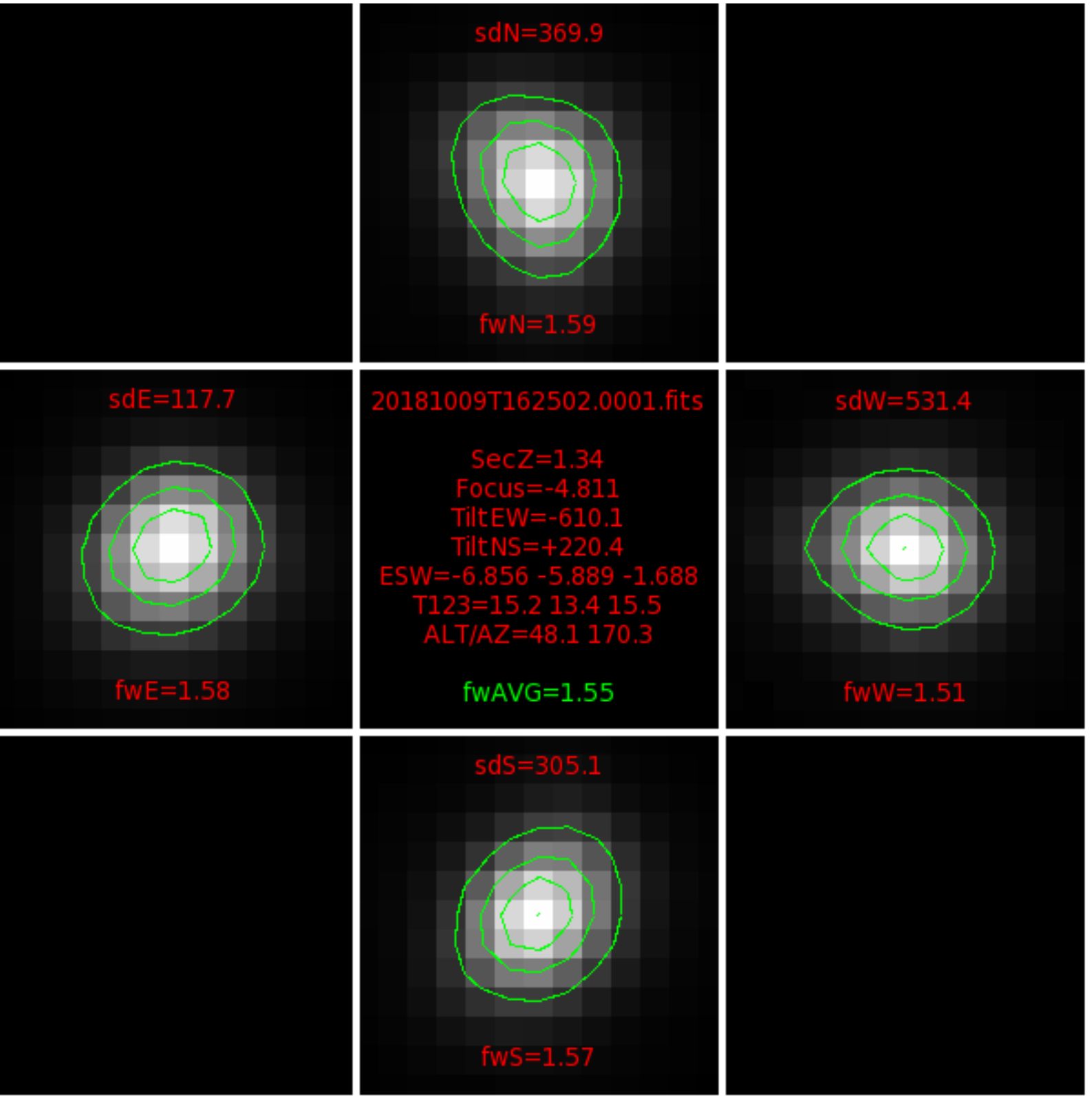
sdN=369.9
fwN=1.59
sdE=117.7
fwE=1.58
20181009T162502.0001.fits
SecZ=1.34
Focus=-4.811
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.856 -5.889 -1.688
T123=15.2 13.4 15.5
ALT/AZ=48.1 170.3
fwAVG=1.55
sdW=531.4
fwW=1.51
sdS=305.1
fwS=1.57
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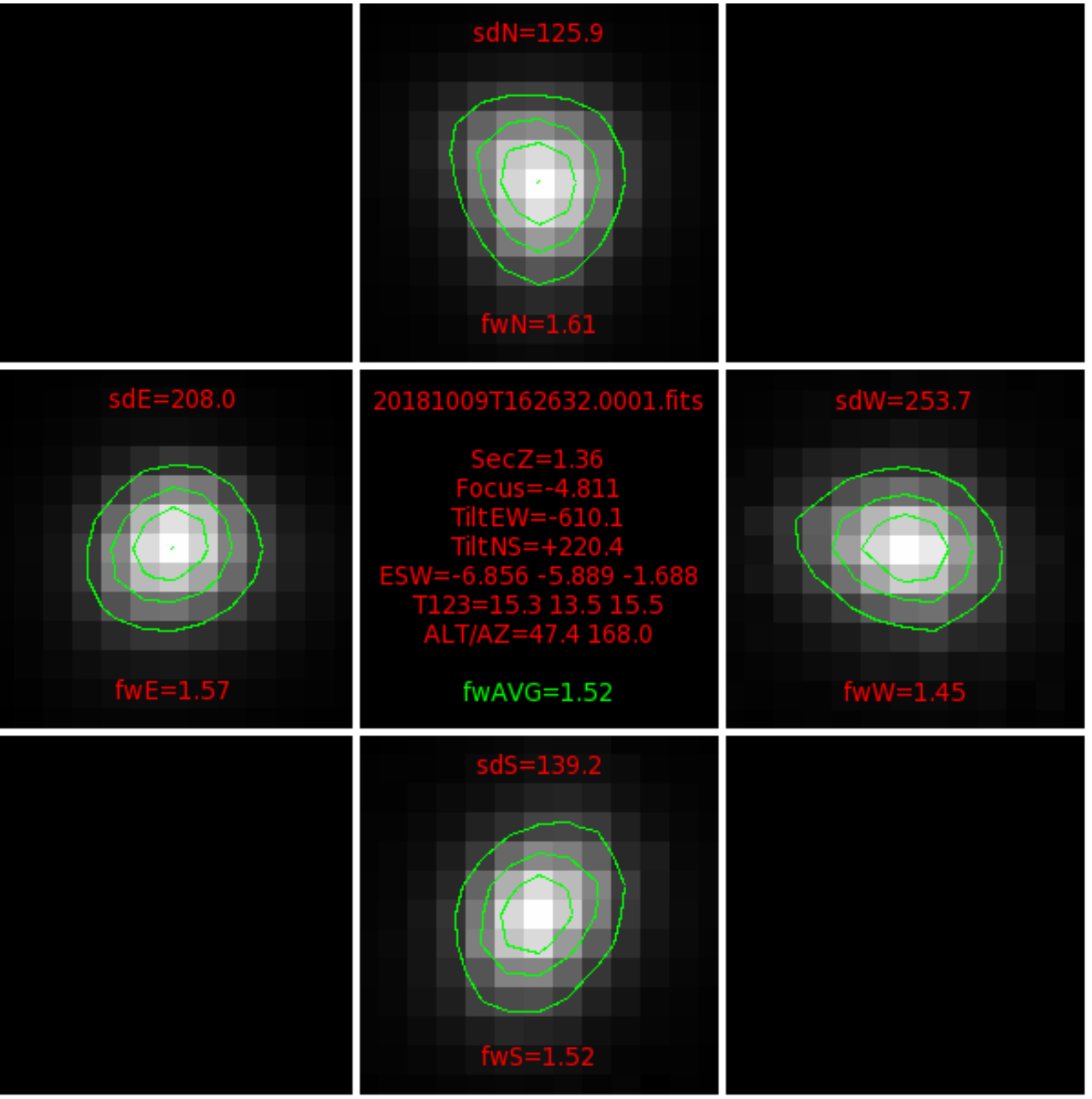
sdN=125.9
fwN=1.61
sdE=208.0
fwE=1.57
20181009T162632.0001.fits
SecZ=1.36
Focus=-4.811
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.856 -5.889 -1.688
T123=15.3 13.5 15.5
ALT/AZ=47.4 168.0
fwAVG=1.52
sdW=253.7
fwW=1.45
sdS=139.2
fwS=1.52
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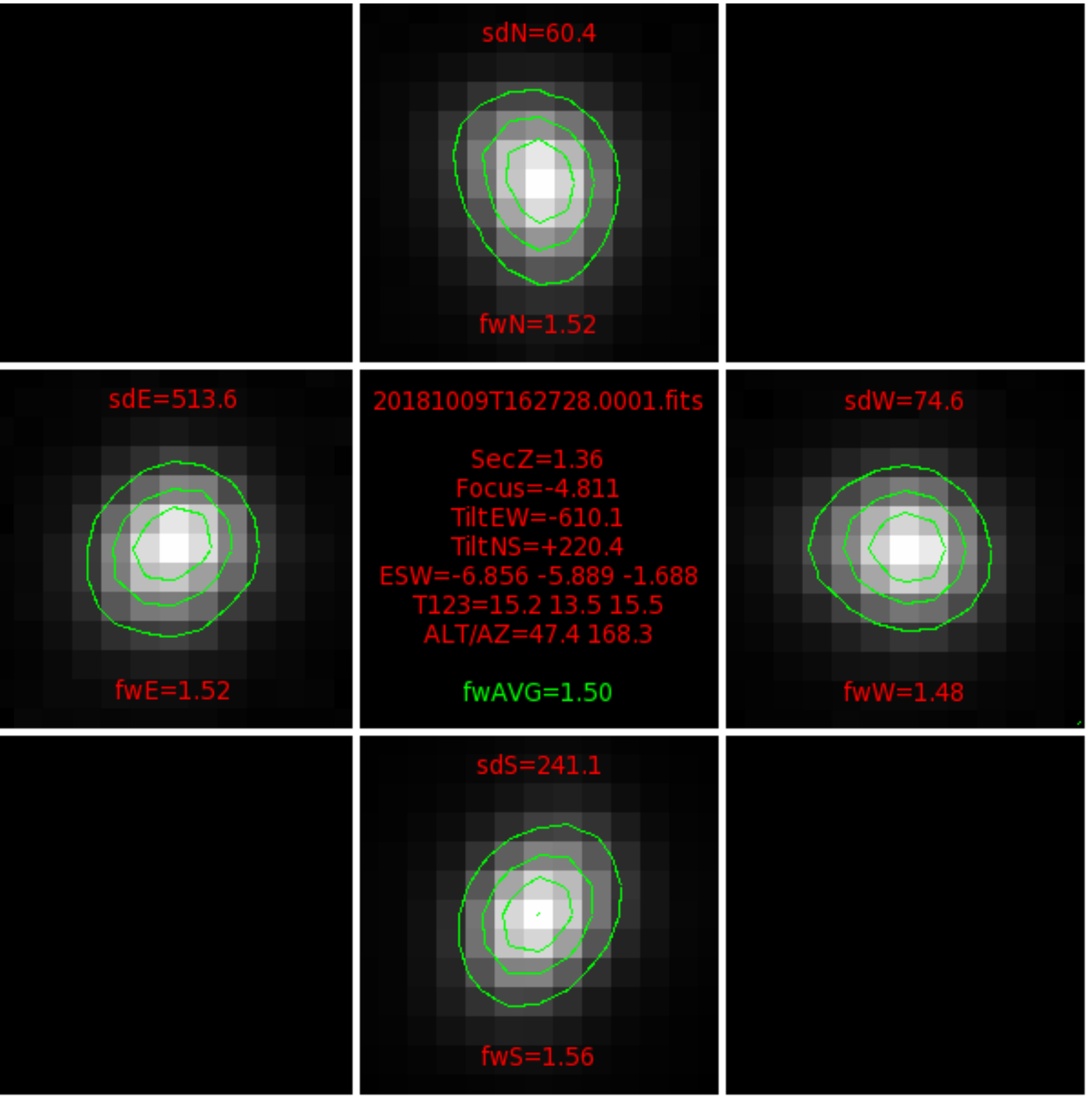
sdN=60.4
fwN=1.52
sdE=513.6
fwE=1.52
20181009T162728.0001.fits
SecZ=1.36
Focus=-4.811
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.856 -5.889 -1.688
T123=15.2 13.5 15.5
ALT/AZ=47.4 168.3
fwAVG=1.50
sdW=74.6
fwW=1.48
sdS=241.1
fwS=1.56
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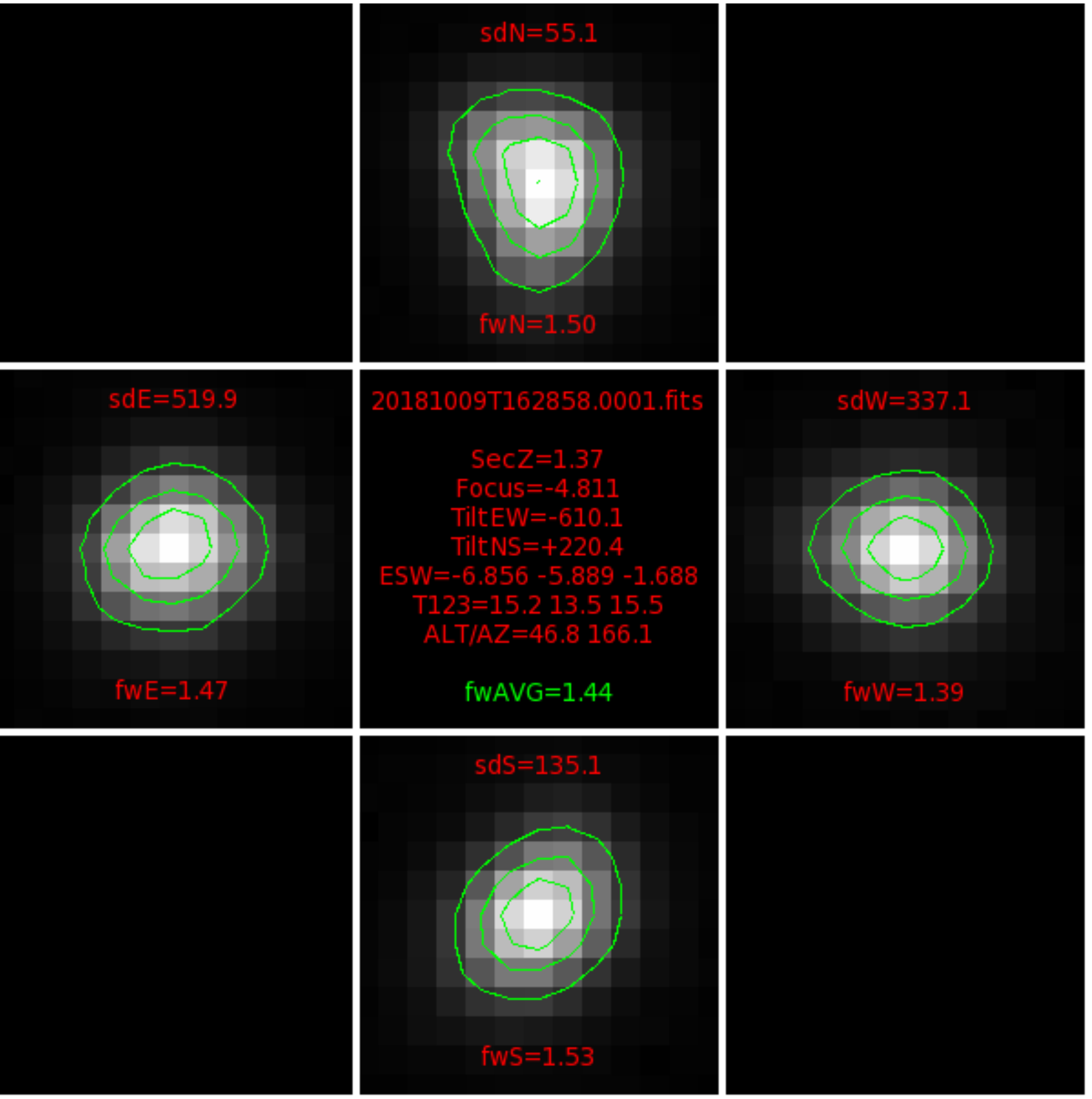
sdN=55.1
fwN=1.50
sdE=519.9
fwE=1.47
20181009T162858.0001.fits
SecZ=1.37
Focus=-4.811
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.856 -5.889 -1.688
T123=15.2 13.5 15.5
ALT/AZ=46.8 166.1
fwAVG=1.44
sdW=337.1
fwW=1.39
sdS=135.1
fwS=1.53
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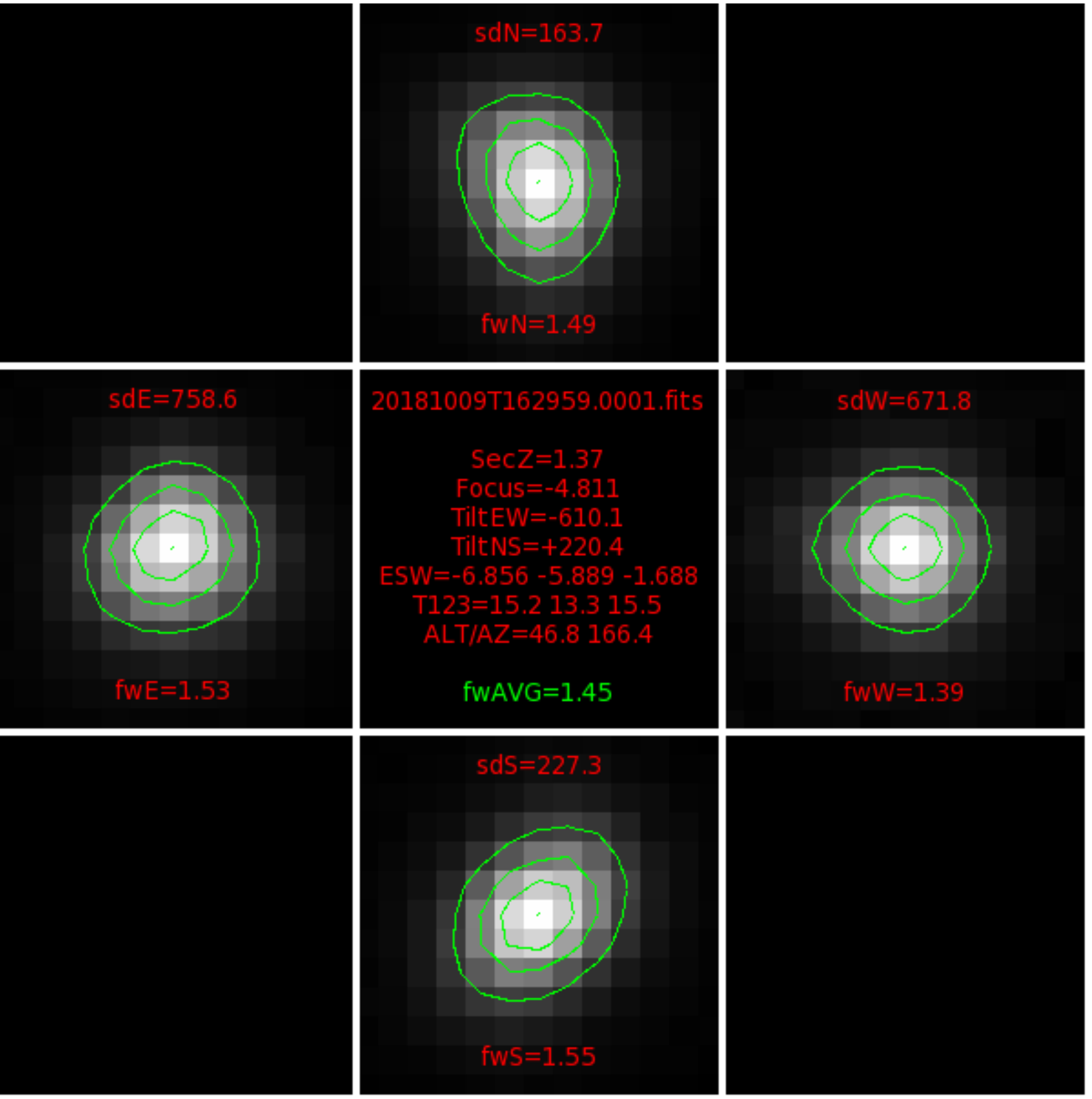
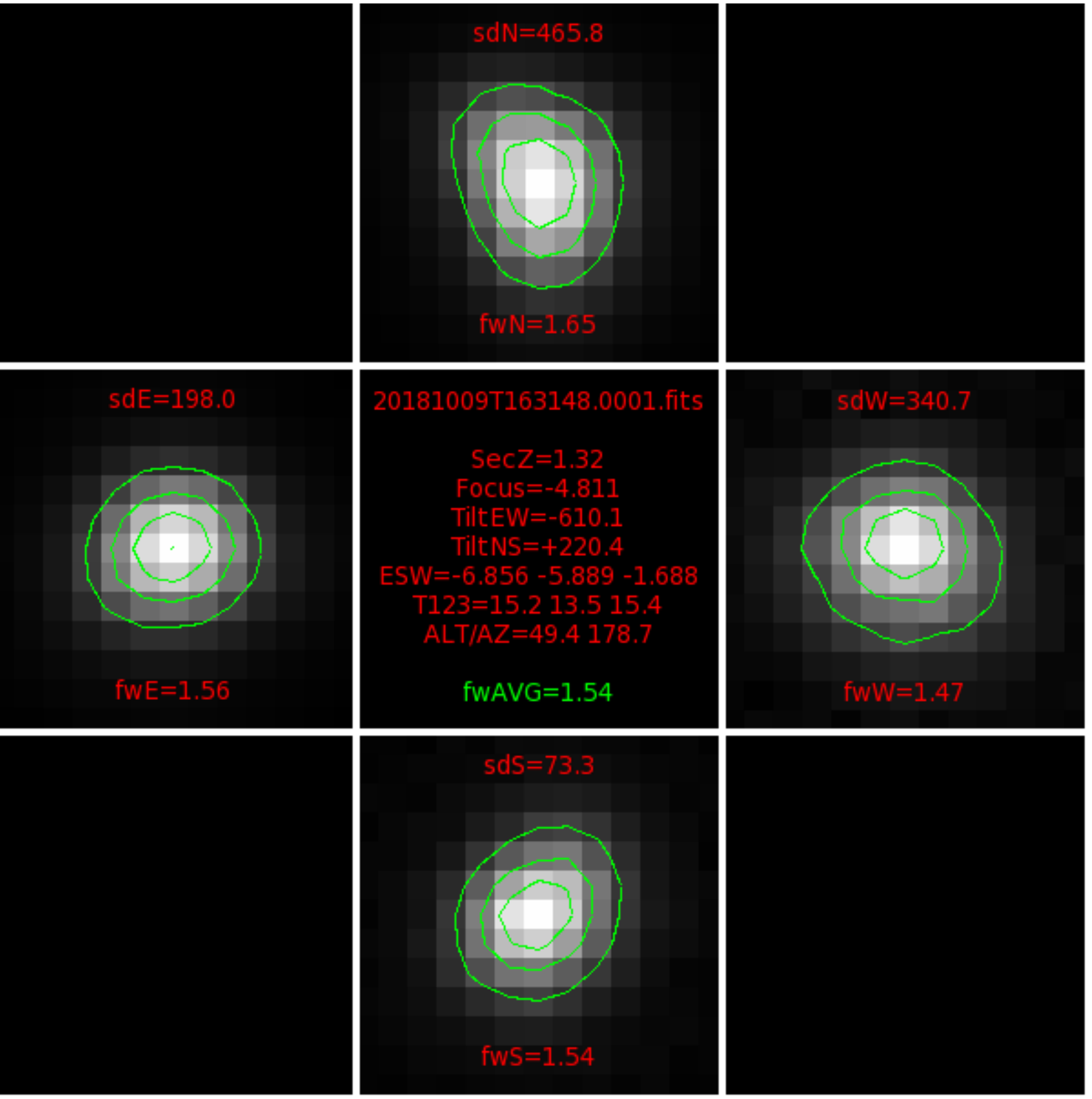

sdN=163.7
fwN=1.49
sdE=758.6
fwE=1.53
20181009T162959.0001.fits
SecZ=1.37
Focus=-4.811
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.856 -5.889 -1.688
T123=15.2 13.3 15.5
ALT/AZ=46.8 166.4
fwAVG=1.45
sdW=671.8
fwW=1.39
sdS=227.3
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=465.8
fwN=1.65
sdE=198.0
fwE=1.56
20181009T163148.0001.fits
SecZ=1.32
Focus=-4.811
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.856 -5.889 -1.688
T123=15.2 13.5 15.4
ALT/AZ=49.4 178.7
fwAVG=1.54
sdW=340.7
fwW=1.47
sdS=73.3
fwS=1.54
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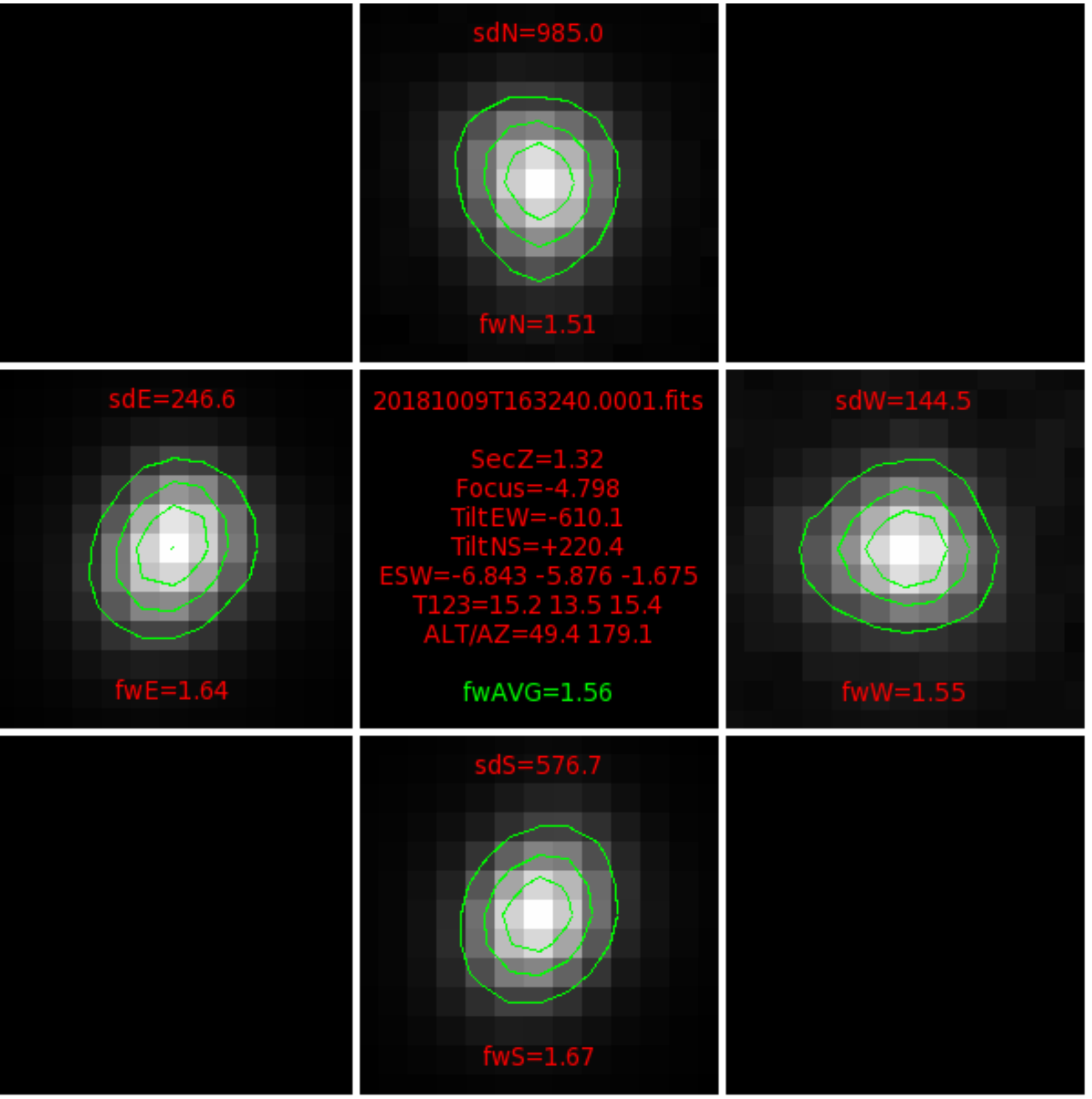
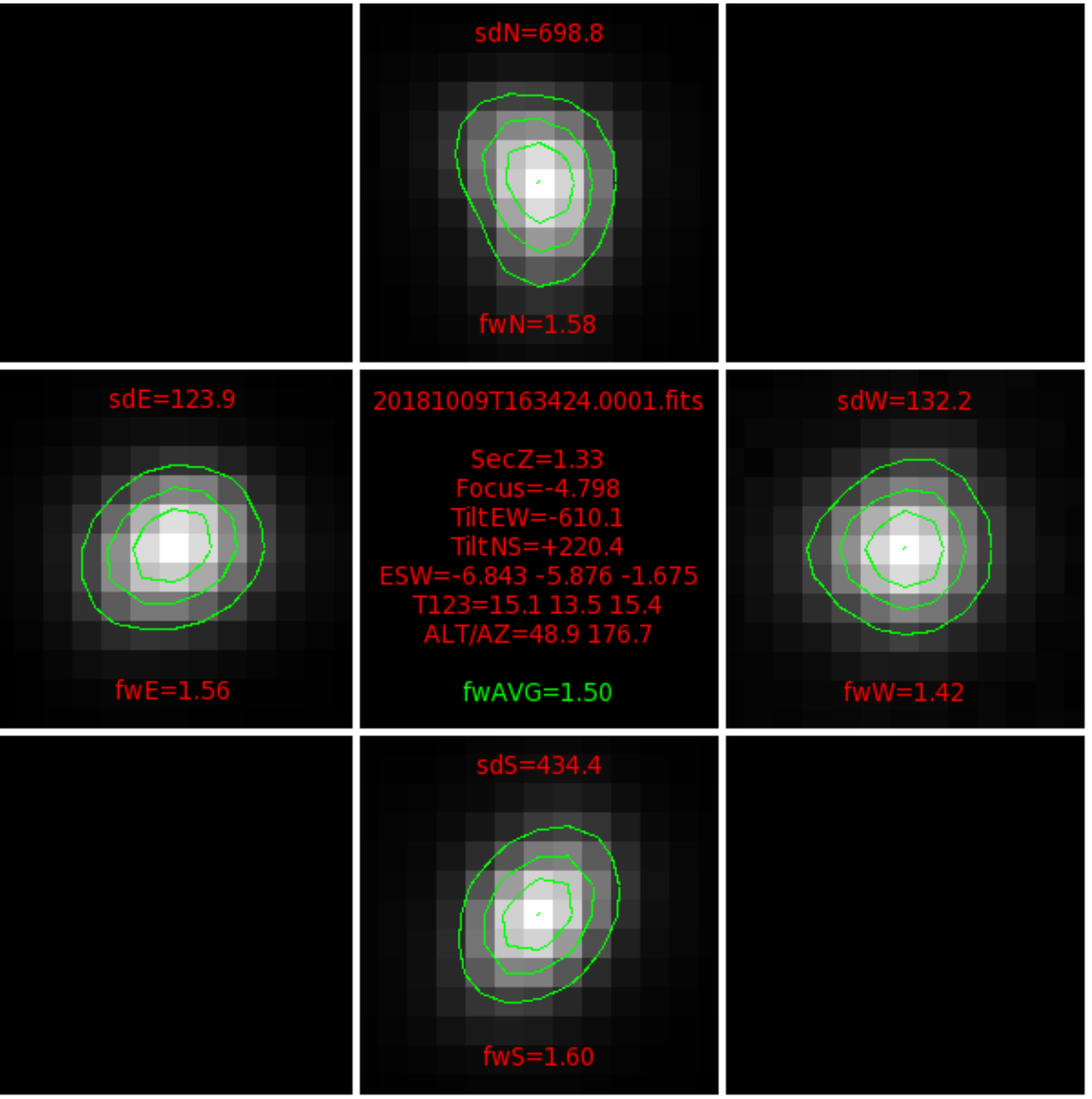

sdN=985.0
fwN=1.51
sdE=246.6
fwE=1.64
20181009T163240.0001.fits
SecZ=1.32
Focus=-4.798
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.843 -5.876 -1.675
T123=15.2 13.5 15.4
ALT/AZ=49.4 179.1
fwAVG=1.56
sdW=144.5
fwW=1.55
sdS=576.7
fwS=1.67
0 0 0 0 0 0 0 0 0


sdN=698.8
fwN=1.58
sdE=123.9
fwE=1.56
20181009T163424.0001.fits
SecZ=1.33
Focus=-4.798
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.843 -5.876 -1.675
T123=15.1 13.5 15.4
ALT/AZ=48.9 176.7
fwAVG=1.50
sdW=132.2
fwW=1.42
sdS=434.4
fwS=1.60
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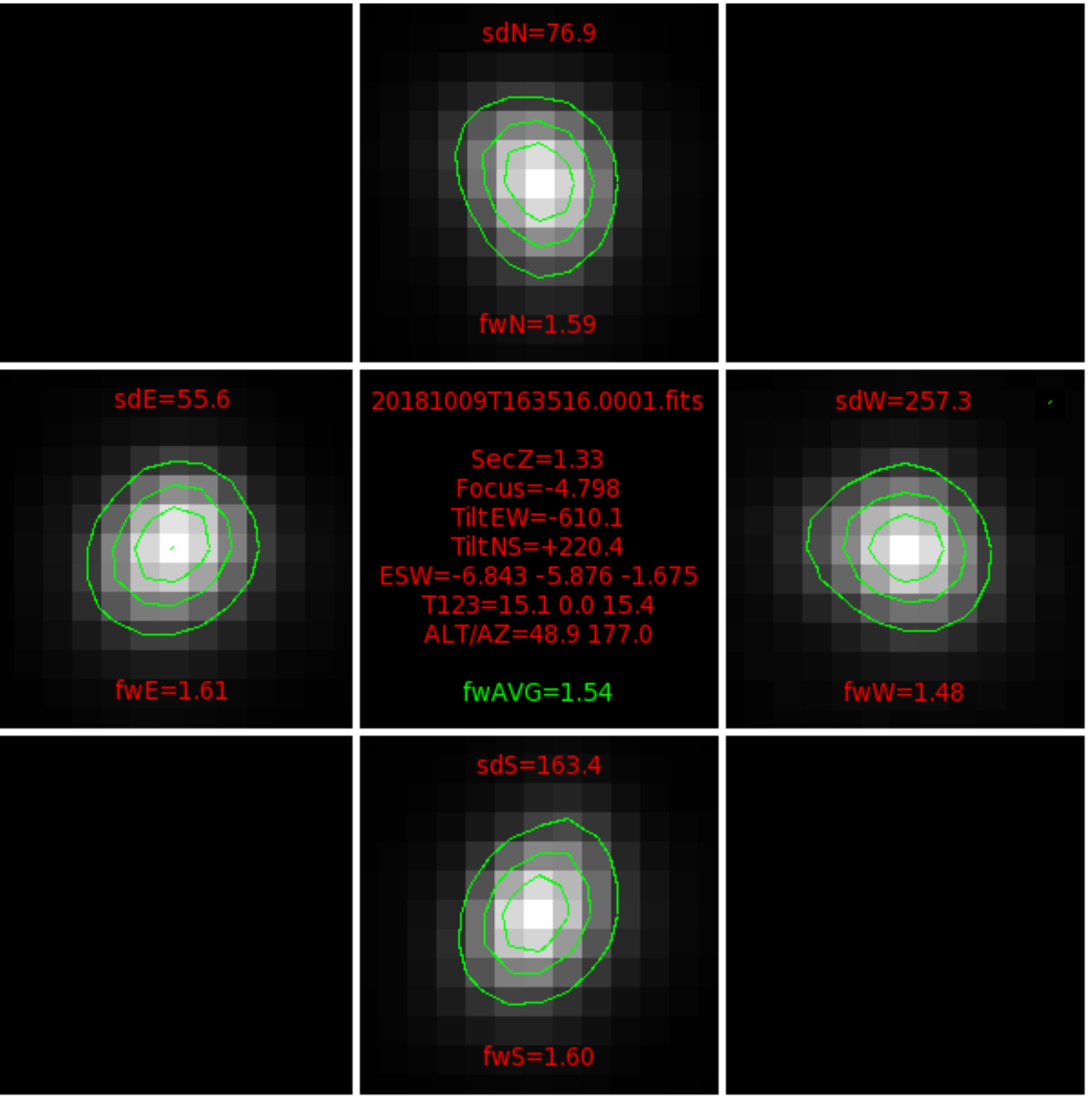
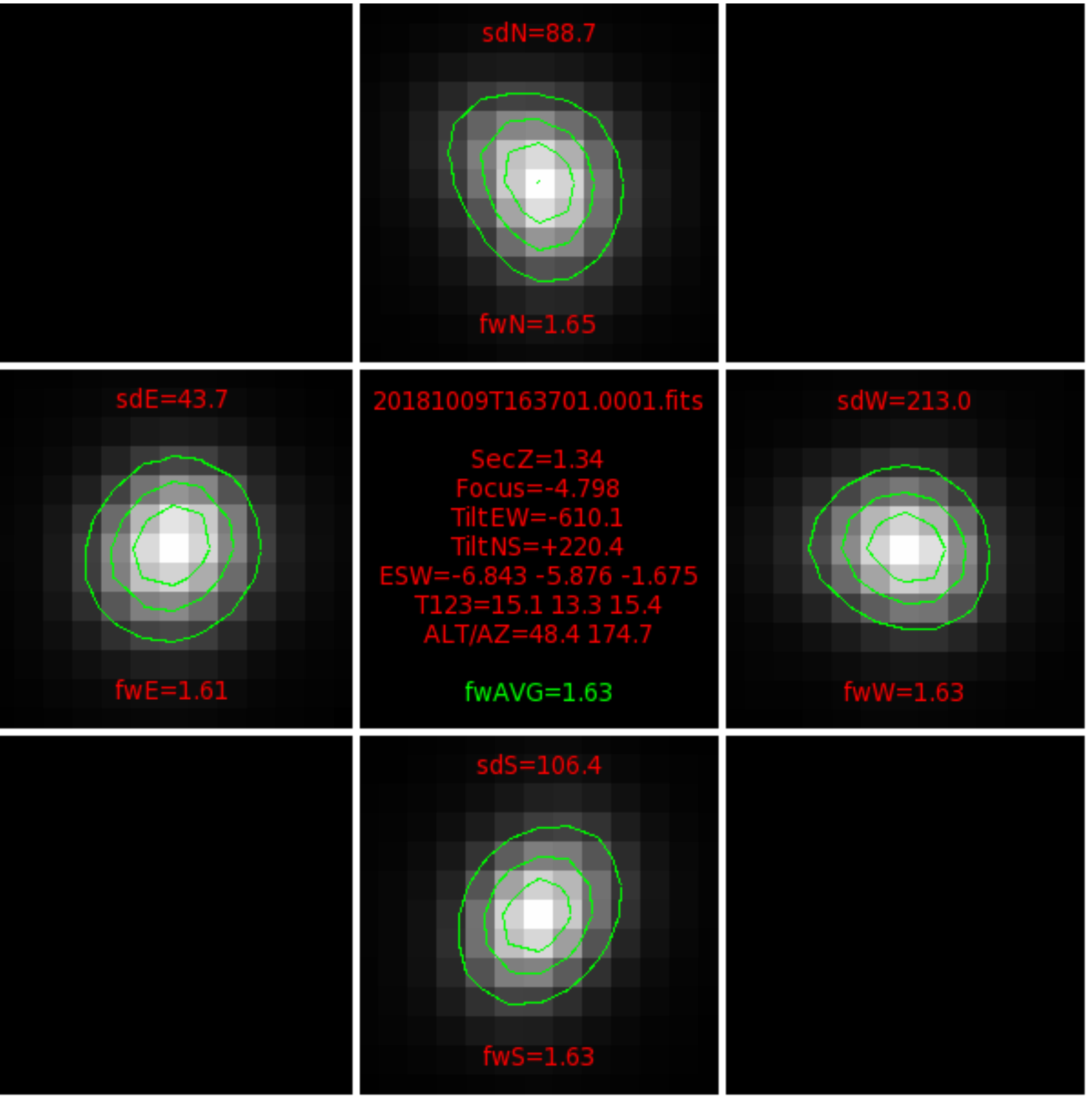

sdN=76.9
fwN=1.59
sdE=55.6
fwE=1.61
20181009T163516.0001.fits
SecZ=1.33
Focus=-4.798
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.843 -5.876 -1.675
T123=15.1 0.0 15.4
ALT/AZ=48.9 177.0
fwAVG=1.54
sdW=257.3
fwW=1.48
sdS=163.4
fwS=1.60
0 0 0 0 0 0 0 0 0


sdN=88.7
fwN=1.65
sdE=43.7
fwE=1.61
20181009T163701.0001.fits
SecZ=1.34
Focus=-4.798
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.843 -5.876 -1.675
T123=15.1 13.3 15.4
ALT/AZ=48.4 174.7
fwAVG=1.63
sdW=213.0
fwW=1.63
sdS=106.4
fwS=1.63
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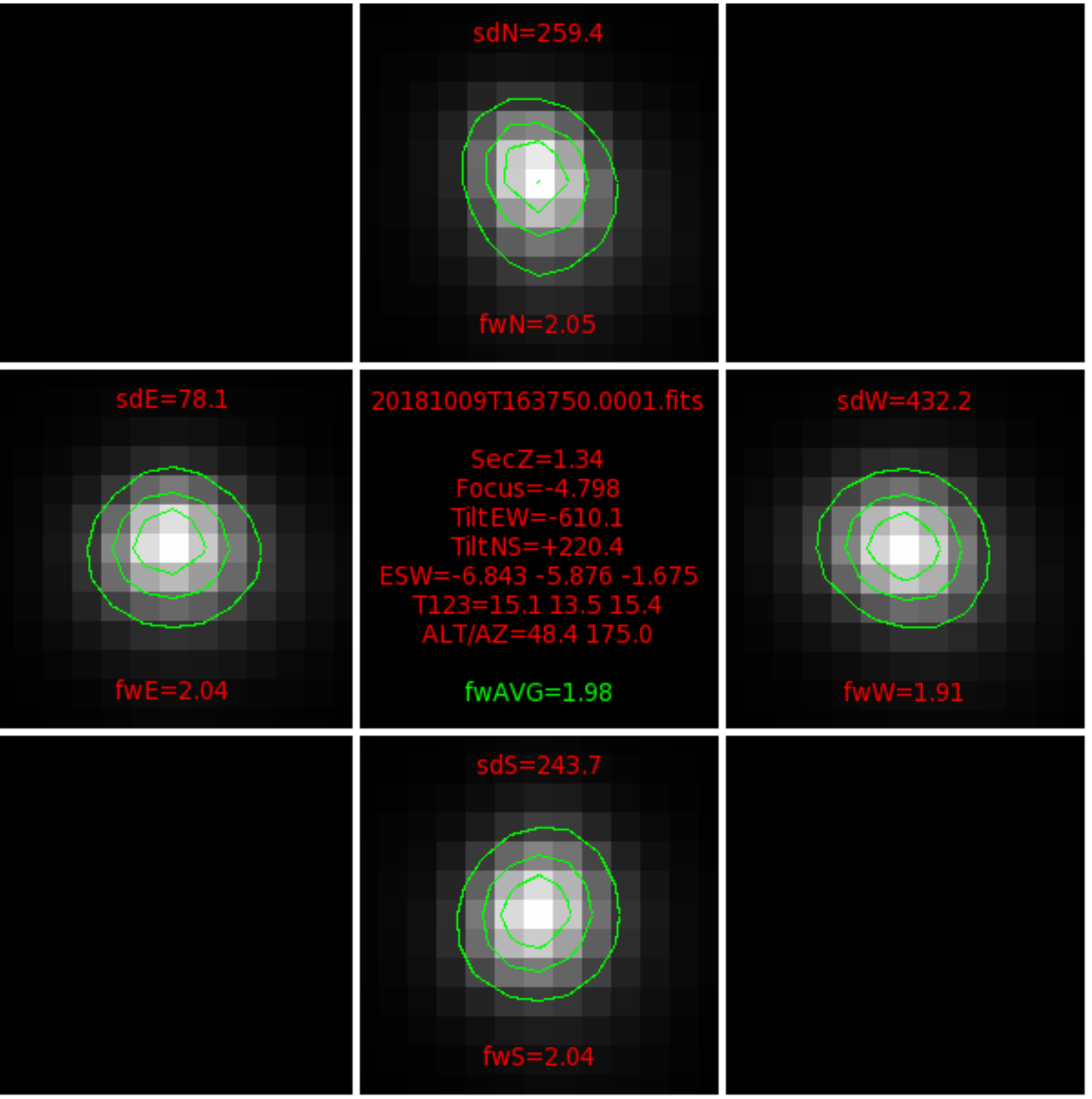
sdN=259.4
fwN=2.05
sdE=78.1
fwE=2.04
20181009T163750.0001.fits
SecZ=1.34
Focus=-4.798
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.843 -5.876 -1.675
T123=15.1 13.5 15.4
ALT/AZ=48.4 175.0
fwAVG=1.98
sdW=432.2
fwW=1.91
sdS=243.7
fwS=2.04
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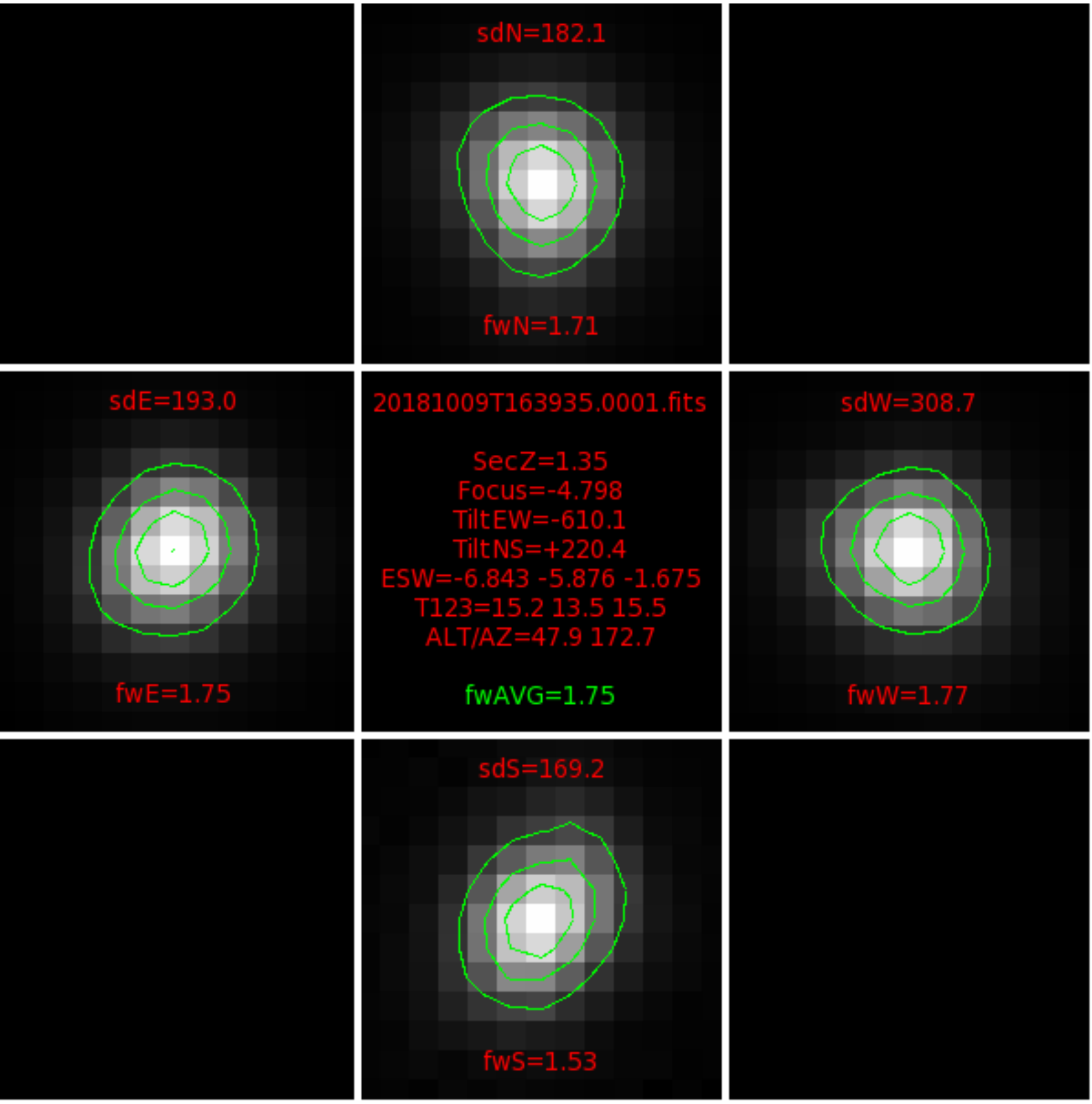
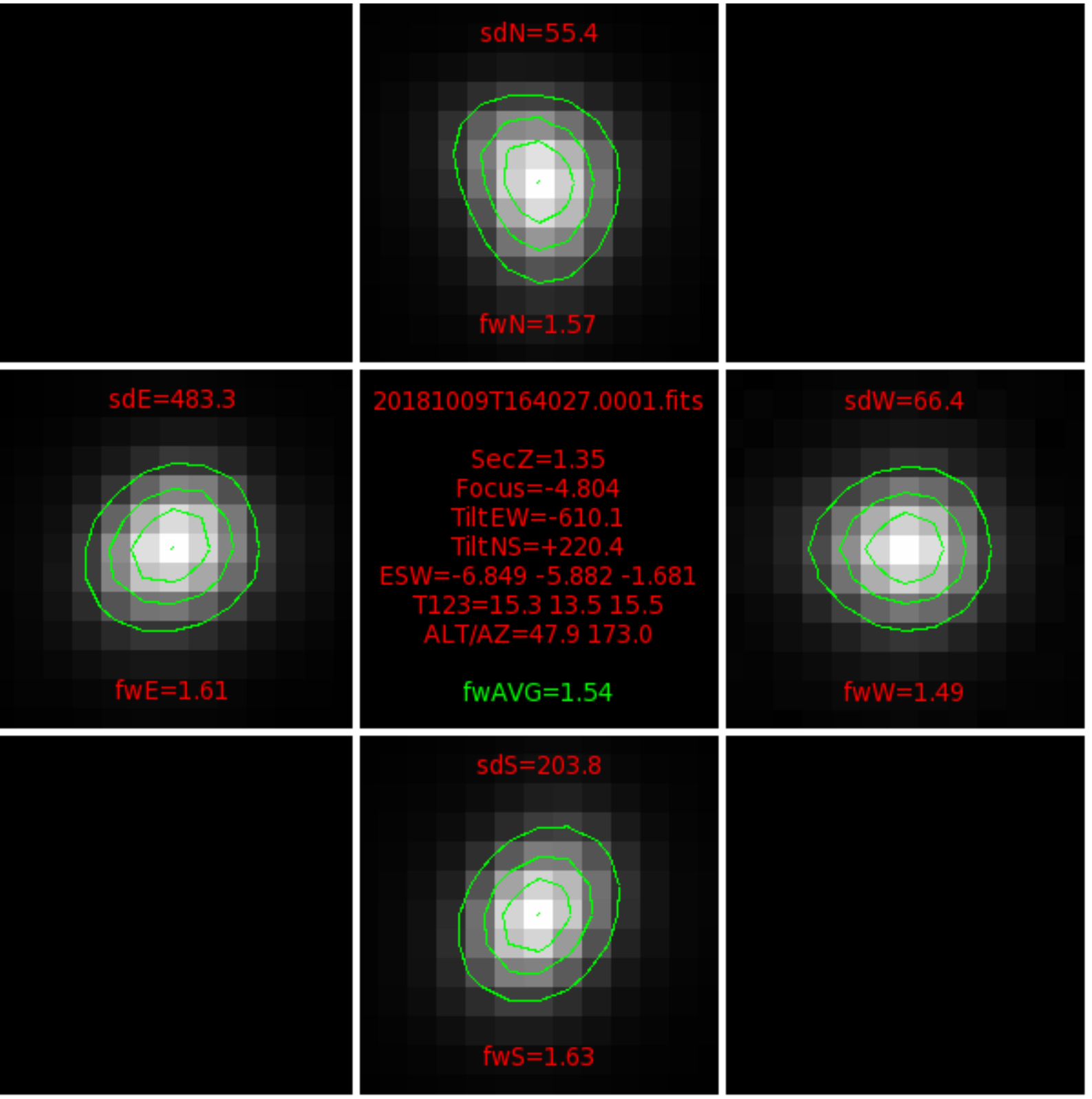

sdN=182.1
fwN=1.71
sdE=193.0
fwE=1.75
20181009T163935.0001.fits
SecZ=1.35
Focus=-4.798
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.843 -5.876 -1.675
T123=15.2 13.5 15.5
ALT/AZ=47.9 172.7
fwAVG=1.75
sdW=308.7
fwW=1.77
sdS=169.2
fwS=1.53
0 0 0 0 0 0 0 0 0


sdN=55.4
fwN=1.57
sdE=483.3
fwE=1.61
20181009T164027.0001.fits
SecZ=1.35
Focus=-4.804
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.849 -5.882 -1.681
T123=15.3 13.5 15.5
ALT/AZ=47.9 173.0
fwAVG=1.54
sdW=66.4
fwW=1.49
sdS=203.8
fwS=1.63
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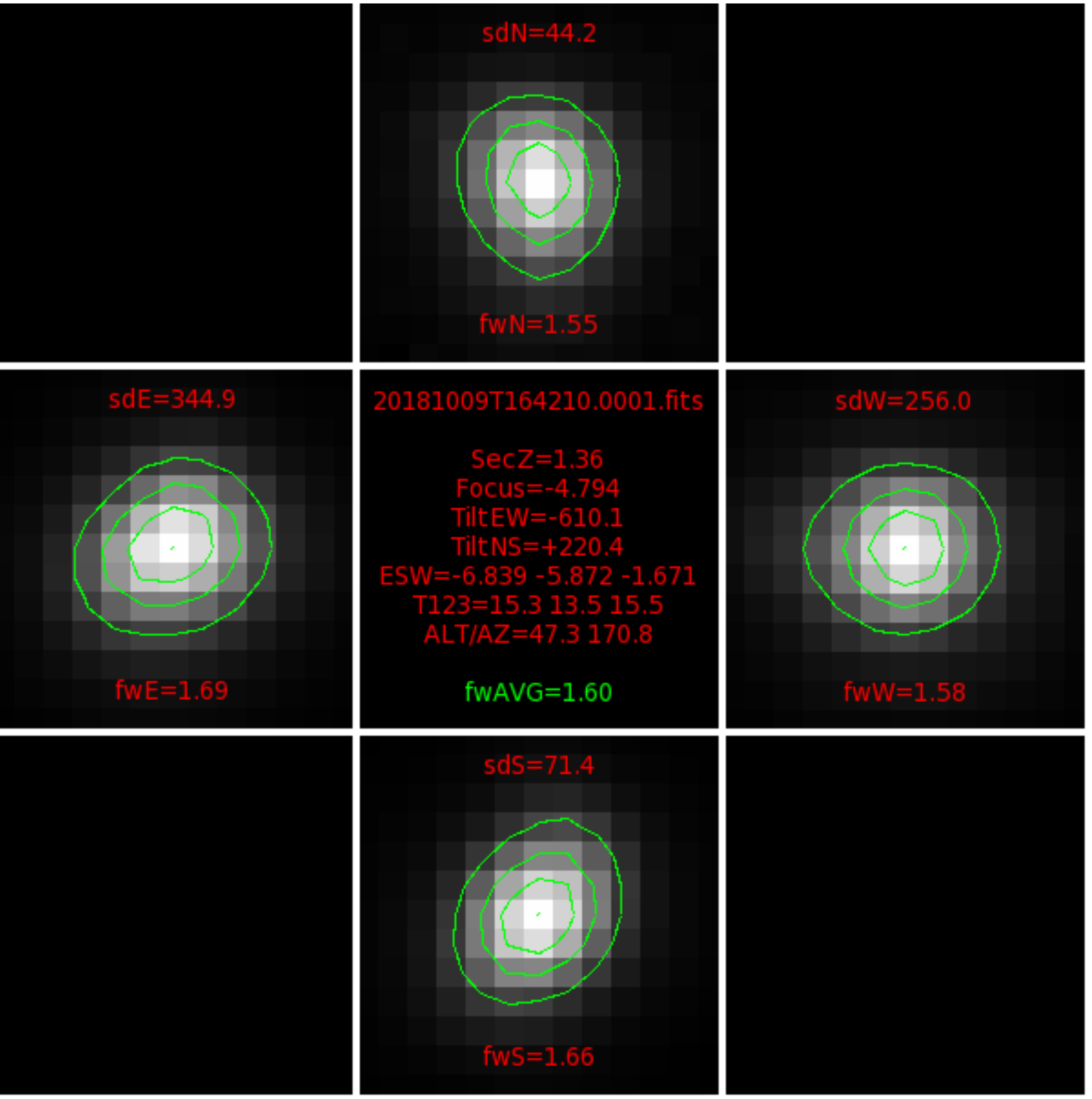
sdN=44.2
fwN=1.55
sdE=344.9
fwE=1.69
20181009T164210.0001.fits
SecZ=1.36
Focus=-4.794
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.839 -5.872 -1.671
T123=15.3 13.5 15.5
ALT/AZ=47.3 170.8
fwAVG=1.60
sdW=256.0
fwW=1.58
sdS=71.4
fwS=1.66
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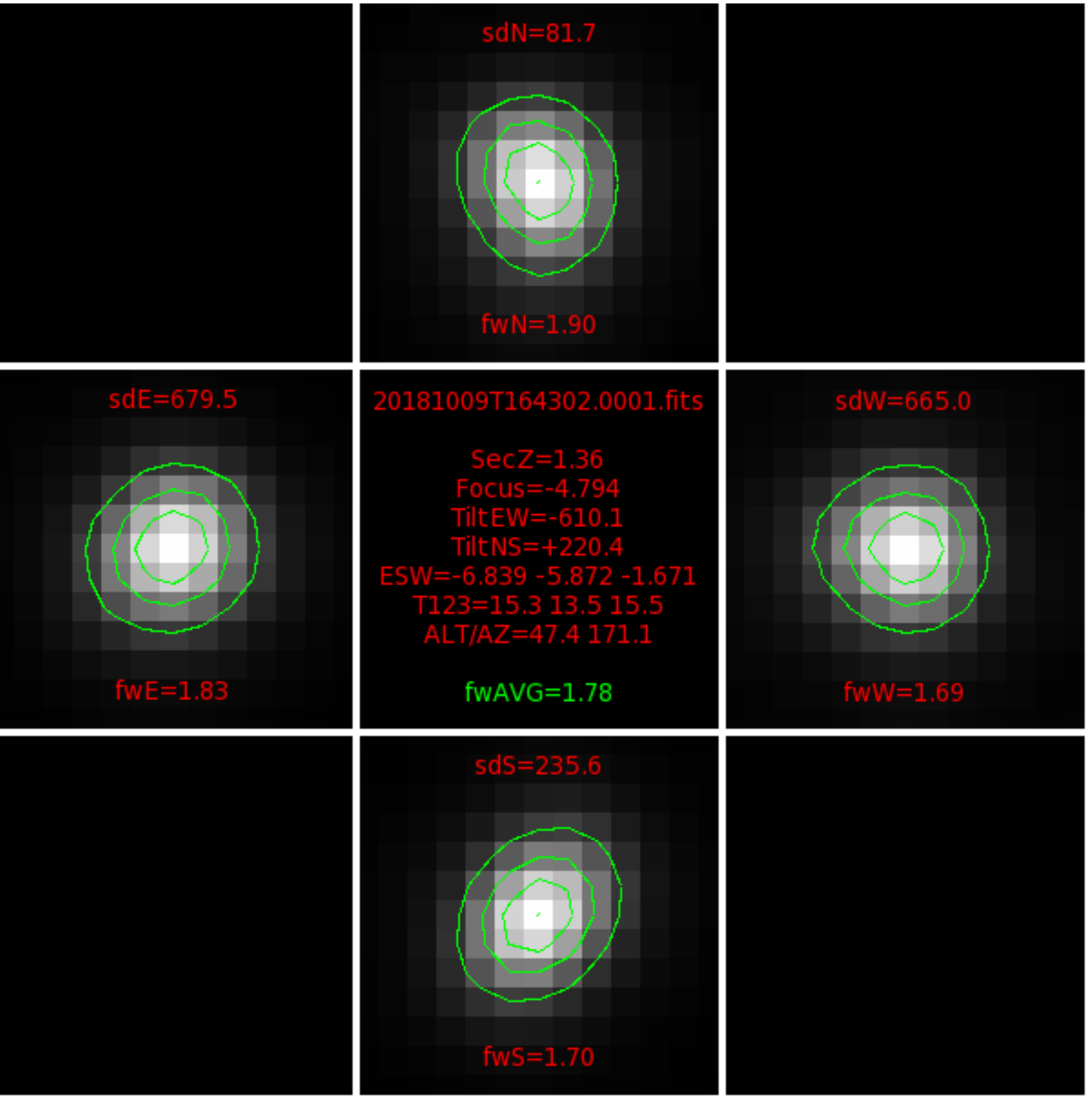
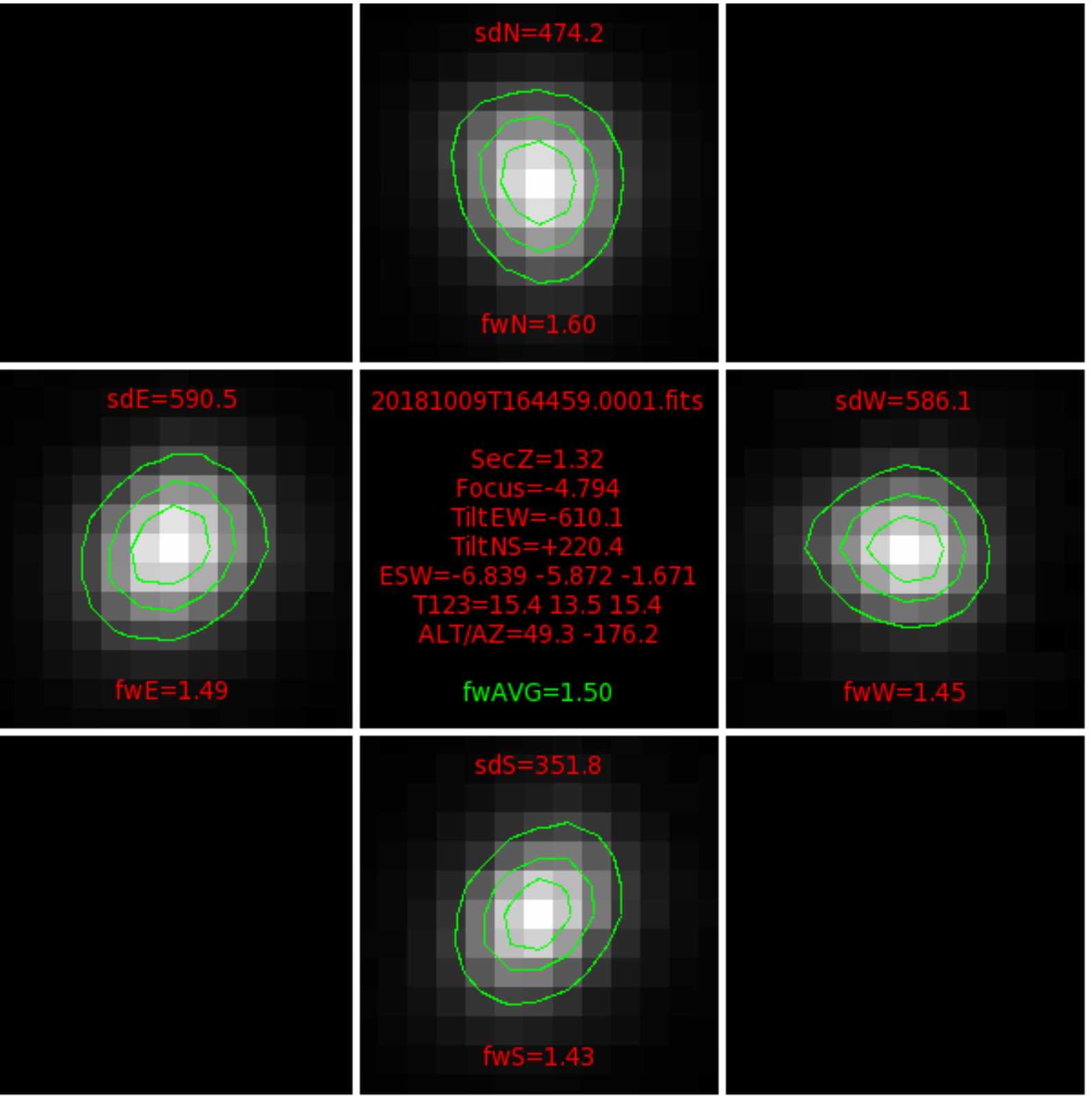

sdN=81.7
fwN=1.90
sdE=679.5
fwE=1.83
20181009T164302.0001.fits
SecZ=1.36
Focus=-4.794
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.839 -5.872 -1.671
T123=15.3 13.5 15.5
ALT/AZ=47.4 171.1
fwAVG=1.78
sdW=665.0
fwW=1.69
sdS=235.6
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=474.2
fwN=1.60
sdE=590.5
fwE=1.49
20181009T164459.0001.fits
SecZ=1.32
Focus=-4.794
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.839 -5.872 -1.671
T123=15.4 13.5 15.4
ALT/AZ=49.3 -176.2
fwAVG=1.50
sdW=586.1
fwW=1.45
sdS=351.8
fwS=1.43
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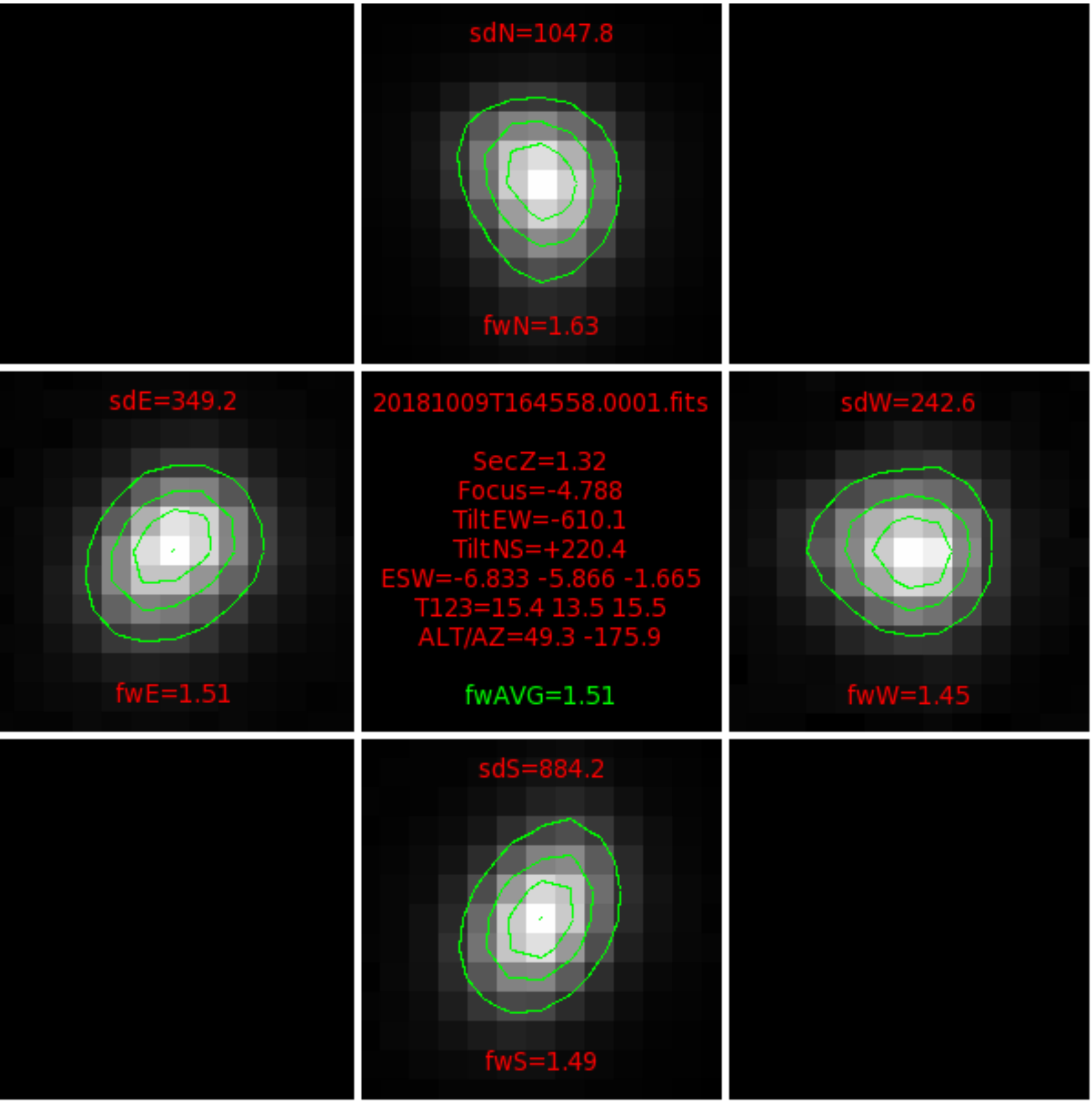
sdN=1047.8
fwN=1.63
sdE=349.2
fwE=1.51
20181009T164558.0001.fits
SecZ=1.32
Focus=-4.788
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.833 -5.866 -1.665
T123=15.4 13.5 15.5
ALT/AZ=49.3 -175.9
fwAVG=1.51
sdW=242.6
fwW=1.45
sdS=884.2
fwS=1.49
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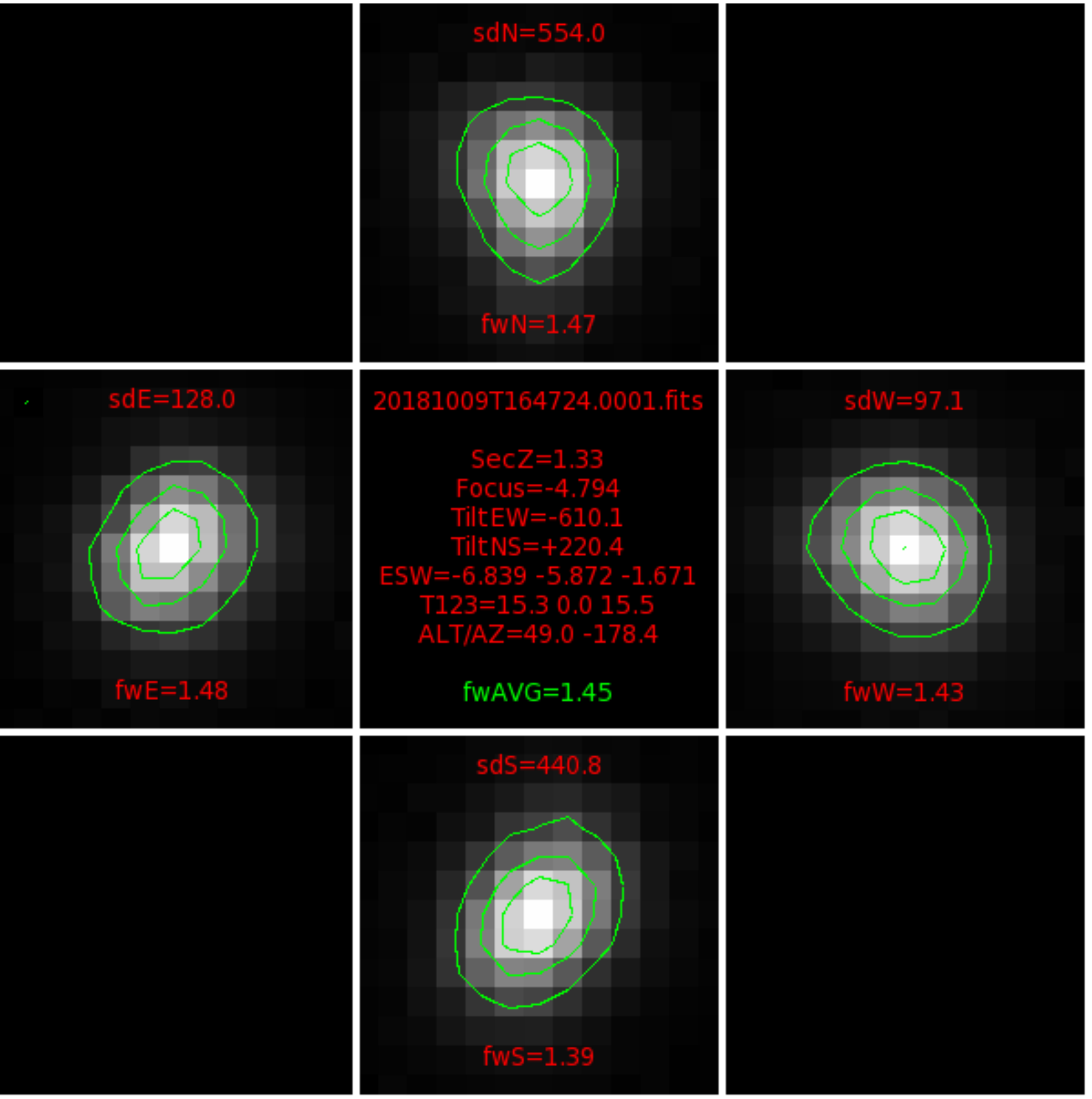
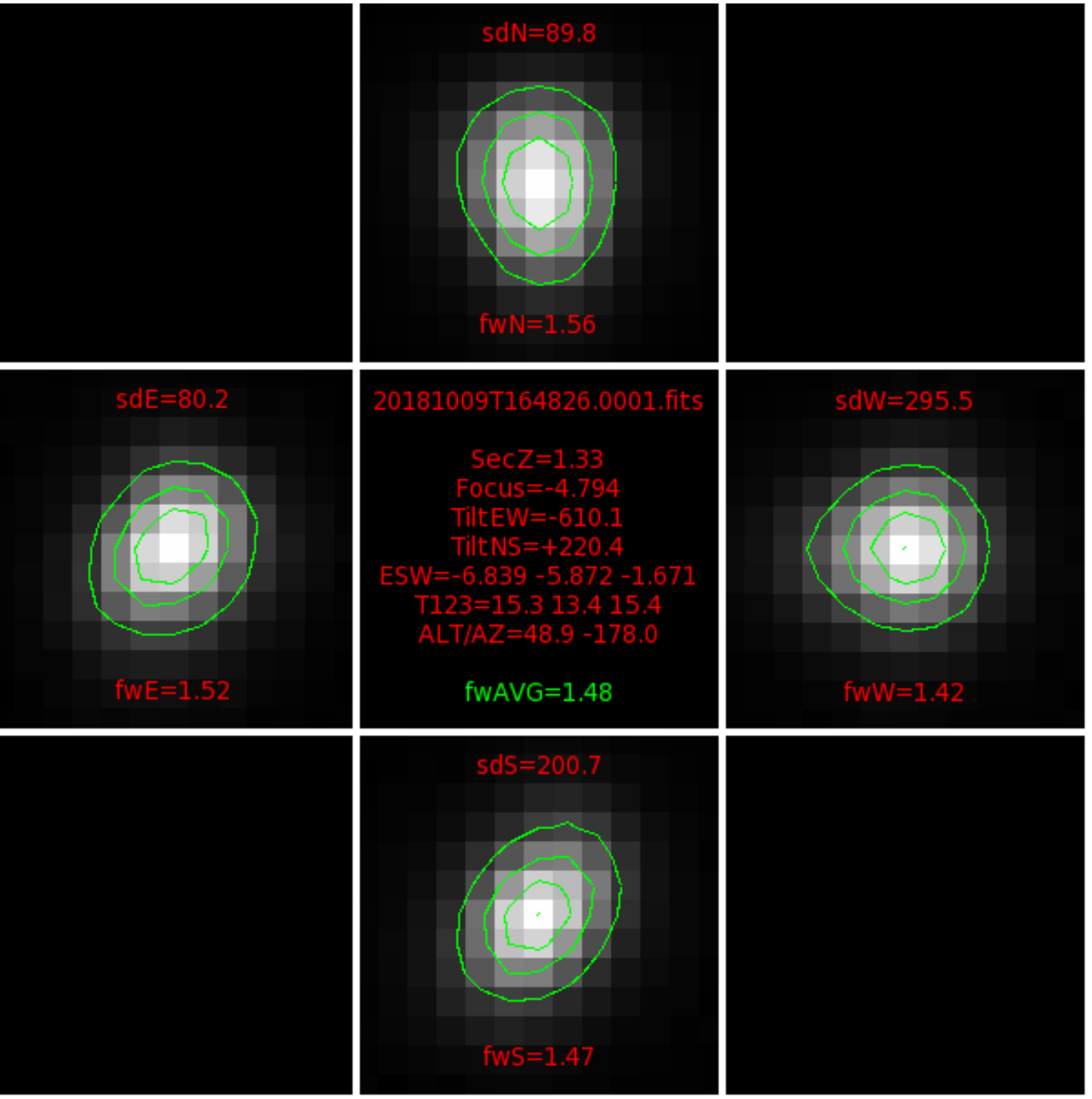
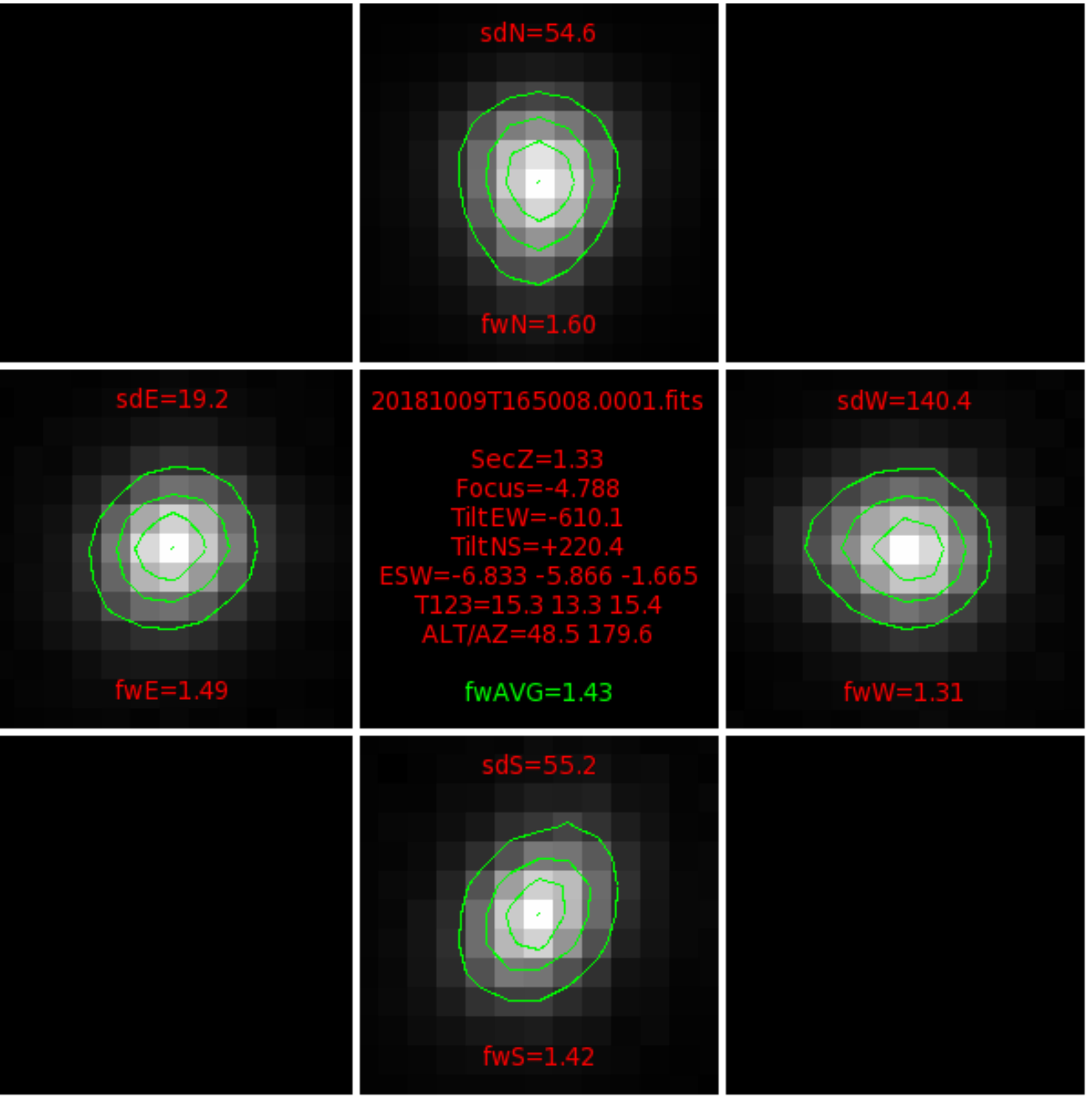

sdN=554.0
fwN=1.47
sdE=128.0
fwE=1.48
20181009T164724.0001.fits
SecZ=1.33
Focus=-4.794
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.839 -5.872 -1.671
T123=15.3 0.0 15.5
ALT/AZ=49.0 -178.4
fwAVG=1.45
sdW=97.1
fwW=1.43
sdS=440.8
fwS=1.39
0 0 0 0 0 0 0 0 0


sdN=89.8
fwN=1.56
sdE=80.2
fwE=1.52
20181009T164826.0001.fits
SecZ=1.33
Focus=-4.794
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.839 -5.872 -1.671
T123=15.3 13.4 15.4
ALT/AZ=48.9 -178.0
fwAVG=1.48
sdW=295.5
fwW=1.42
sdS=200.7
fwS=1.47
0 0 0 0 0 0 0 0 0


sdN=54.6
fwN=1.60
sdE=19.2
fwE=1.49
20181009T165008.0001.fits
SecZ=1.33
Focus=-4.788
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.833 -5.866 -1.665
T123=15.3 13.3 15.4
ALT/AZ=48.5 179.6
fwAVG=1.43
sdW=140.4
fwW=1.31
sdS=55.2
fwS=1.42
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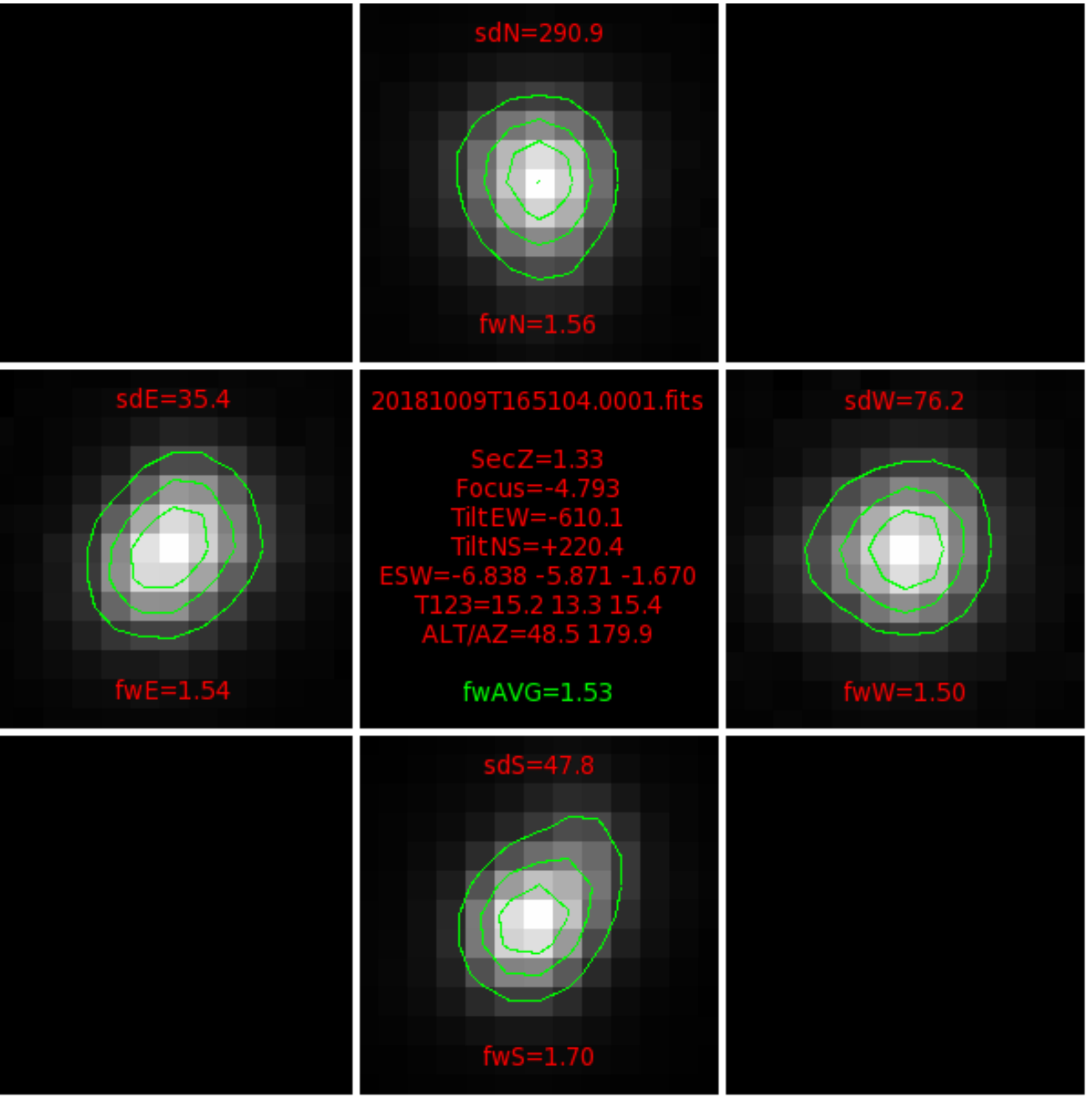
sdN=290.9
fwN=1.56
sdE=35.4
fwE=1.54
20181009T165104.0001.fits
SecZ=1.33
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=15.2 13.3 15.4
ALT/AZ=48.5 179.9
fwAVG=1.53
sdW=76.2
fwW=1.50
sdS=47.8
fwS=1.70
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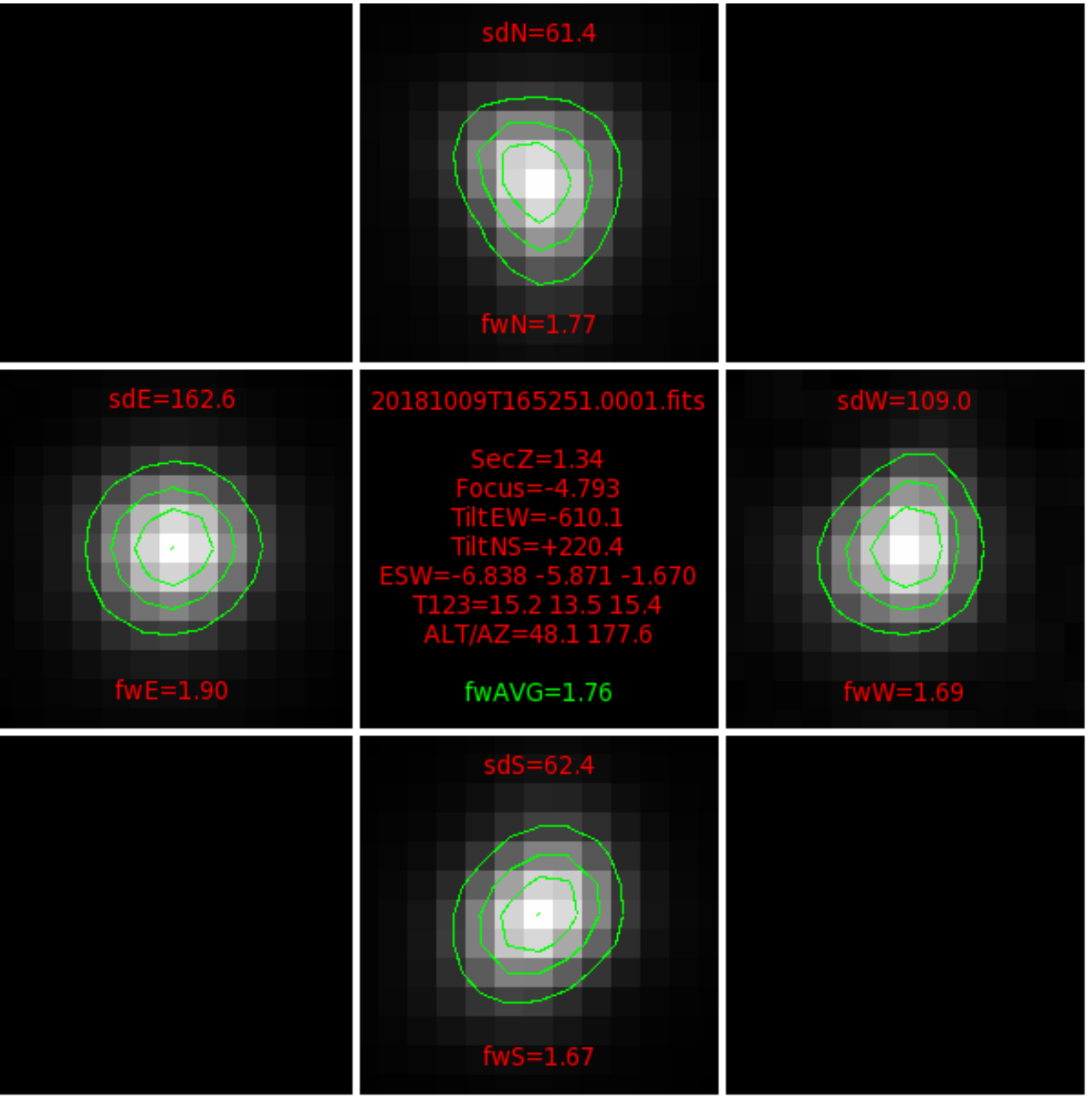
sdN=61.4
fwN=1.77
sdE=162.6
fwE=1.90
20181009T165251.0001.fits
SecZ=1.34
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=15.2 13.5 15.4
ALT/AZ=48.1 177.6
fwAVG=1.76
sdW=109.0
fwW=1.69
sdS=62.4
fwS=1.67
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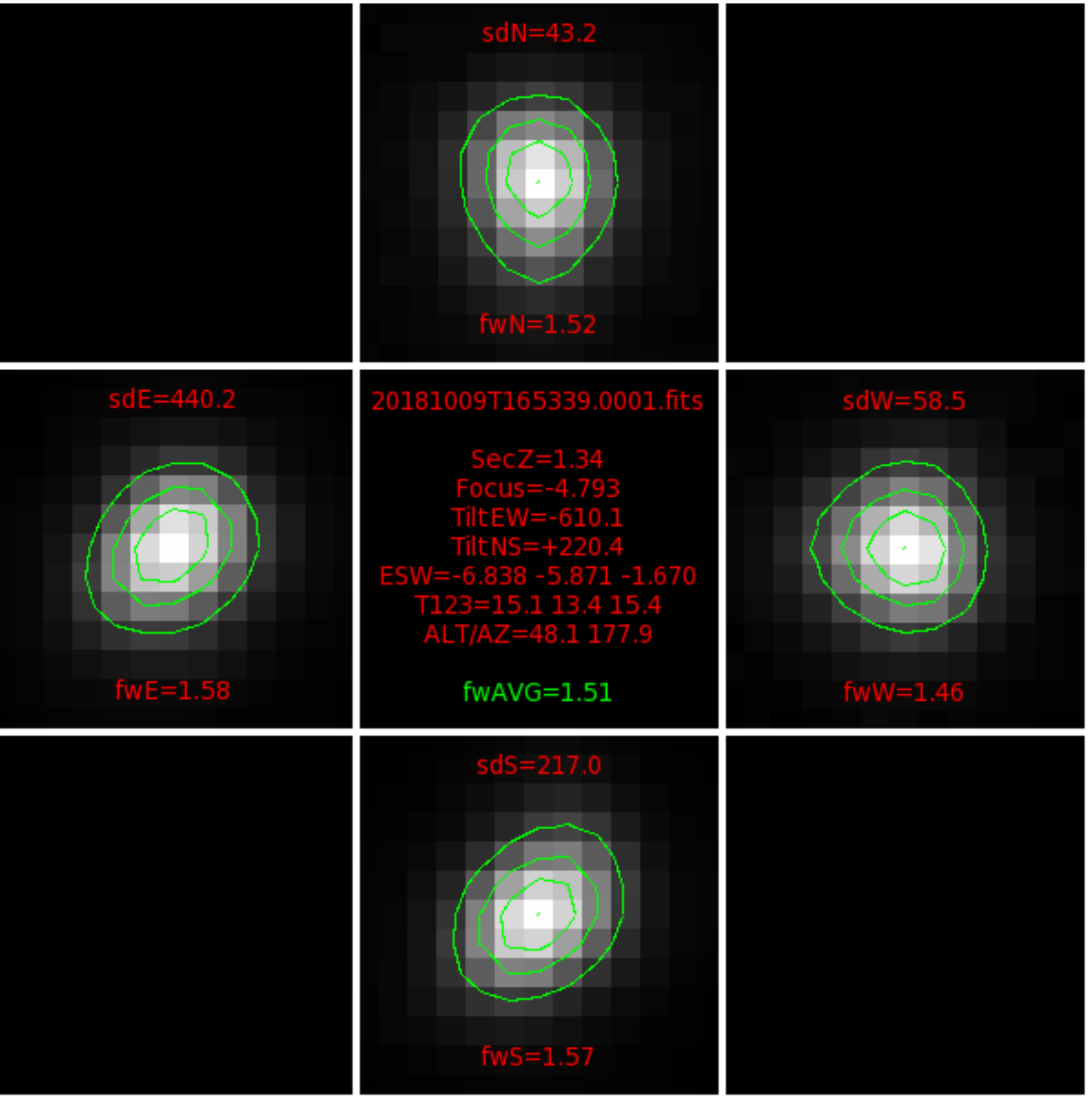
sdN=43.2
fwN=1.52
sdE=440.2
fwE=1.58
20181009T165339.0001.fits
SecZ=1.34
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=15.1 13.4 15.4
ALT/AZ=48.1 177.9
fwAVG=1.51
sdW=58.5
fwW=1.46
sdS=217.0
fwS=1.57
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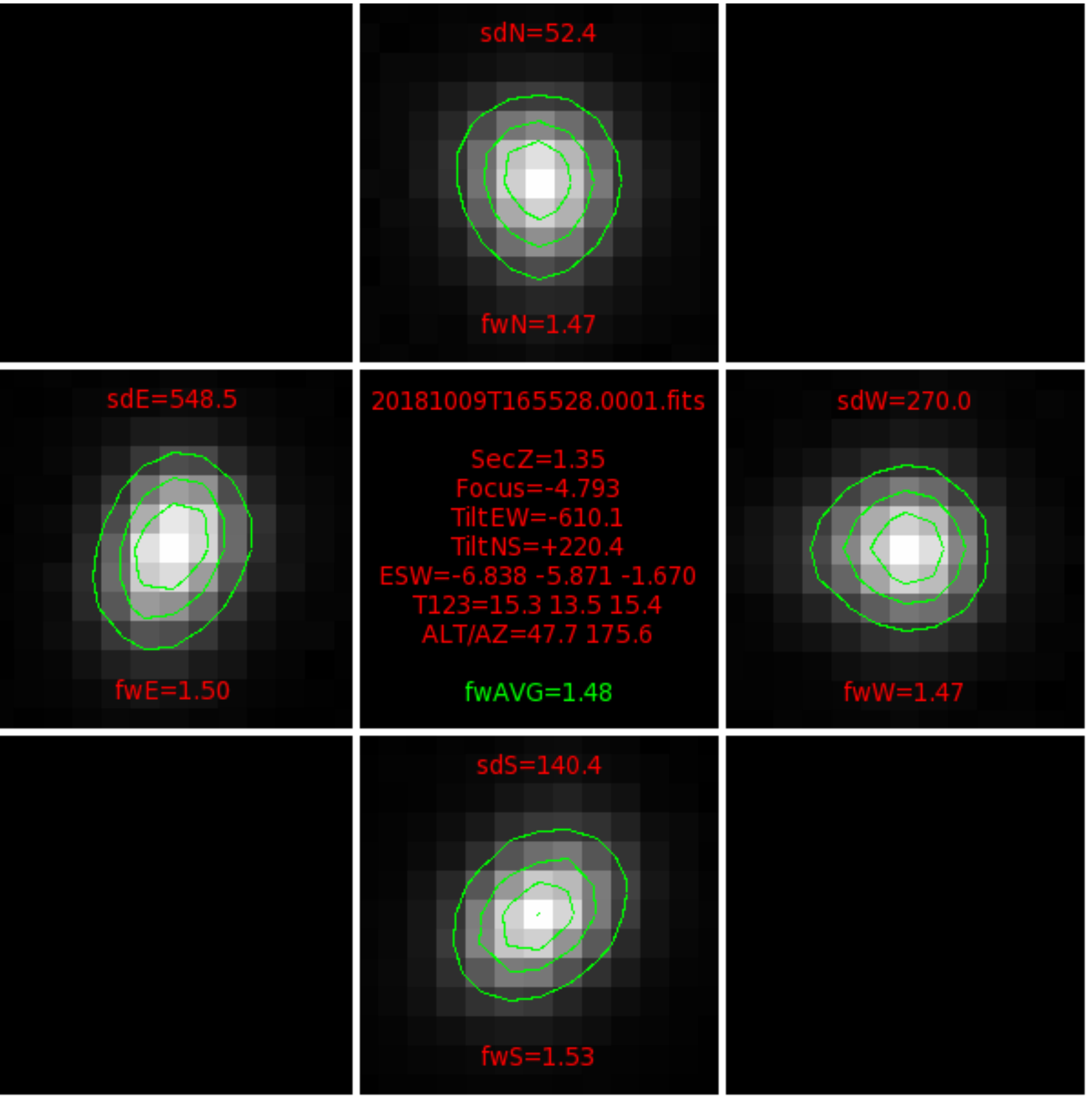
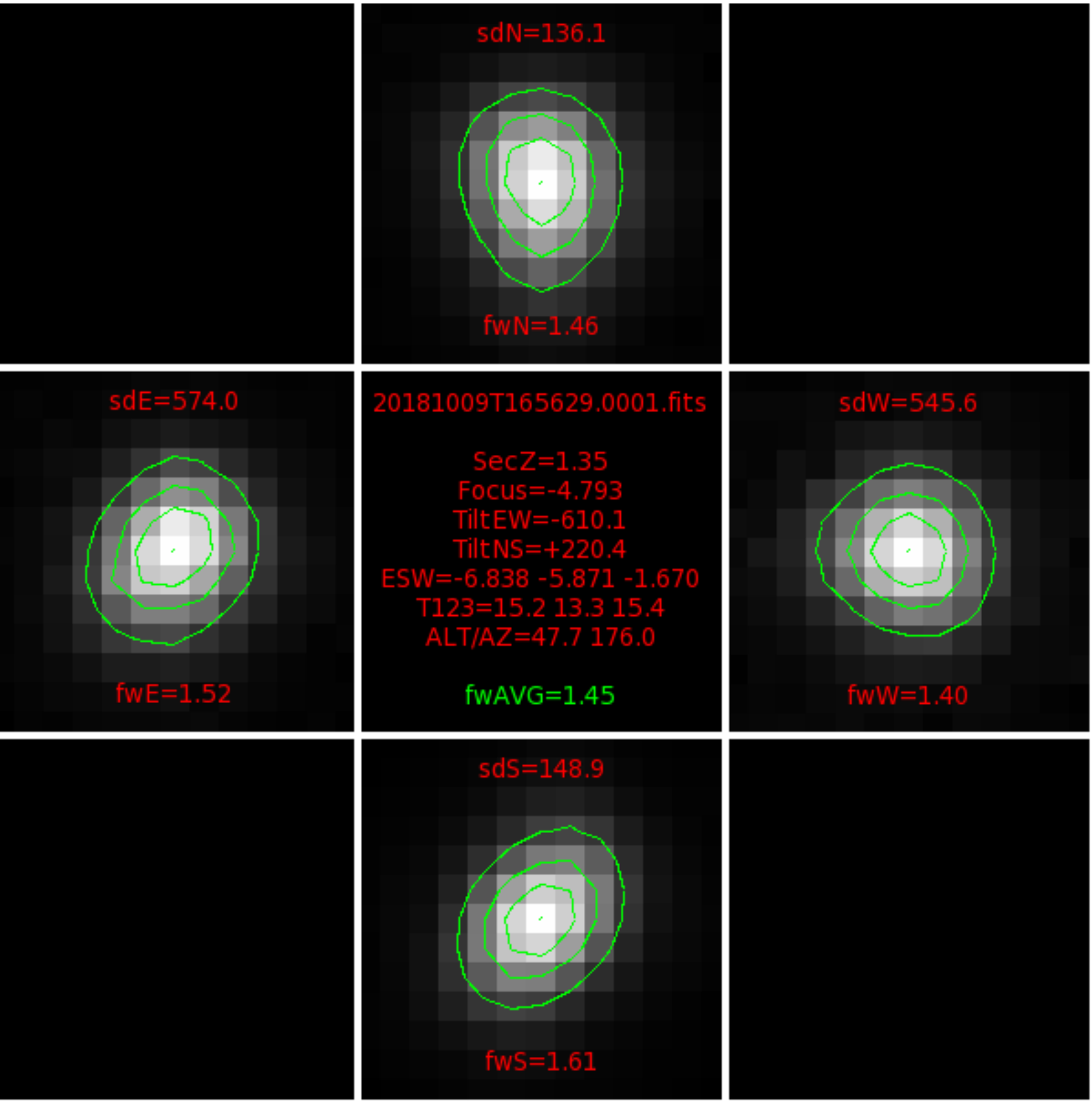

sdN=52.4
fwN=1.47
sdE=548.5
fwE=1.50
20181009T165528.0001.fits
SecZ=1.35
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=15.3 13.5 15.4
ALT/AZ=47.7 175.6
fwAVG=1.48
sdW=270.0
fwW=1.47
sdS=140.4
fwS=1.53
0 0 0 0 0 0 0 0 0


sdN=136.1
fwN=1.46
sdE=574.0
fwE=1.52
20181009T165629.0001.fits
SecZ=1.35
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=15.2 13.3 15.4
ALT/AZ=47.7 176.0
fwAVG=1.45
sdW=545.6
fwW=1.40
sdS=148.9
fwS=1.61
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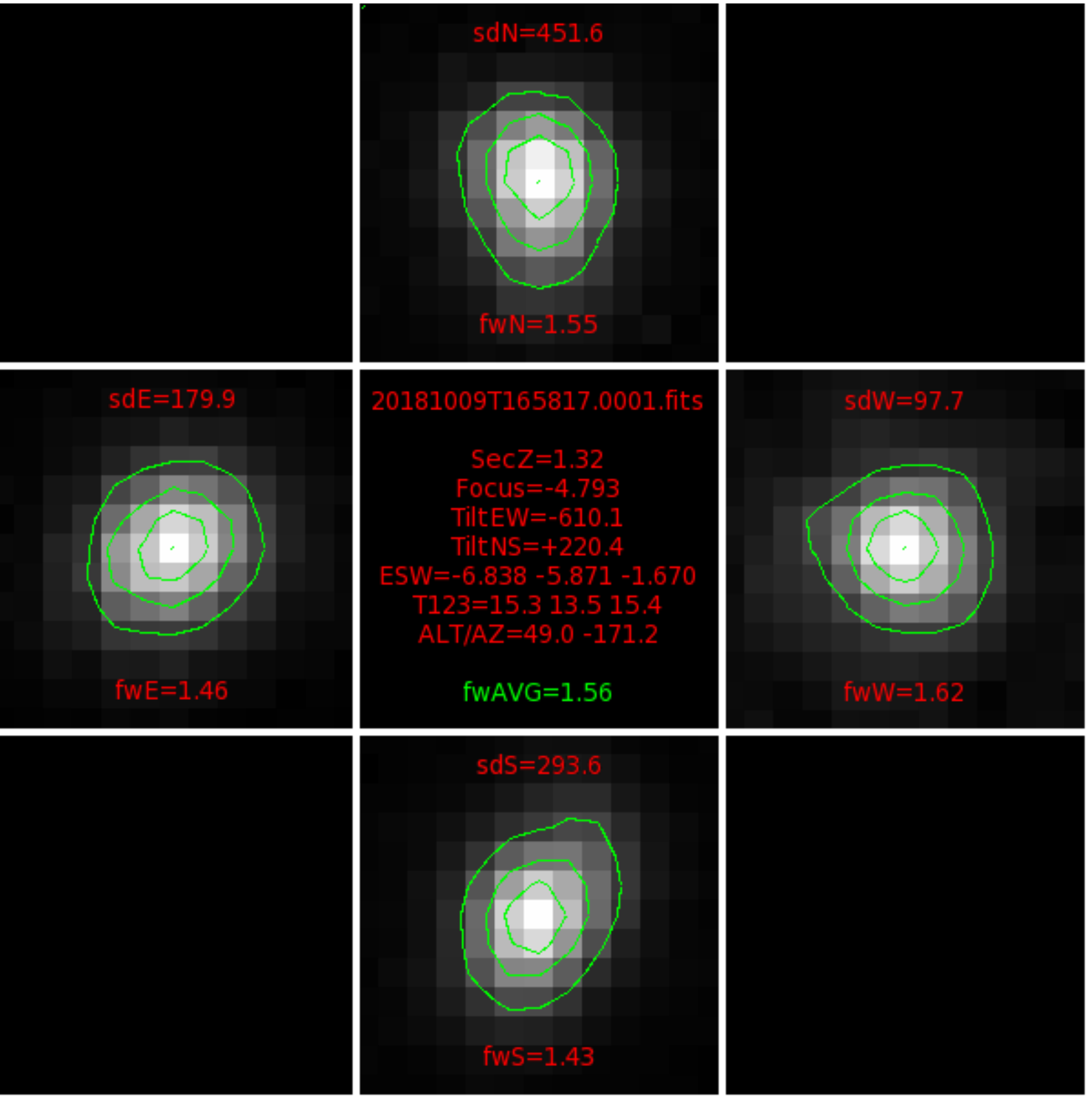
sdN=451.6
fwN=1.55
sdE=179.9
fwE=1.46
20181009T165817.0001.fits
SecZ=1.32
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=15.3 13.5 15.4
ALT/AZ=49.0 -171.2
fwAVG=1.56
sdW=97.7
fwW=1.62
sdS=293.6
fwS=1.43
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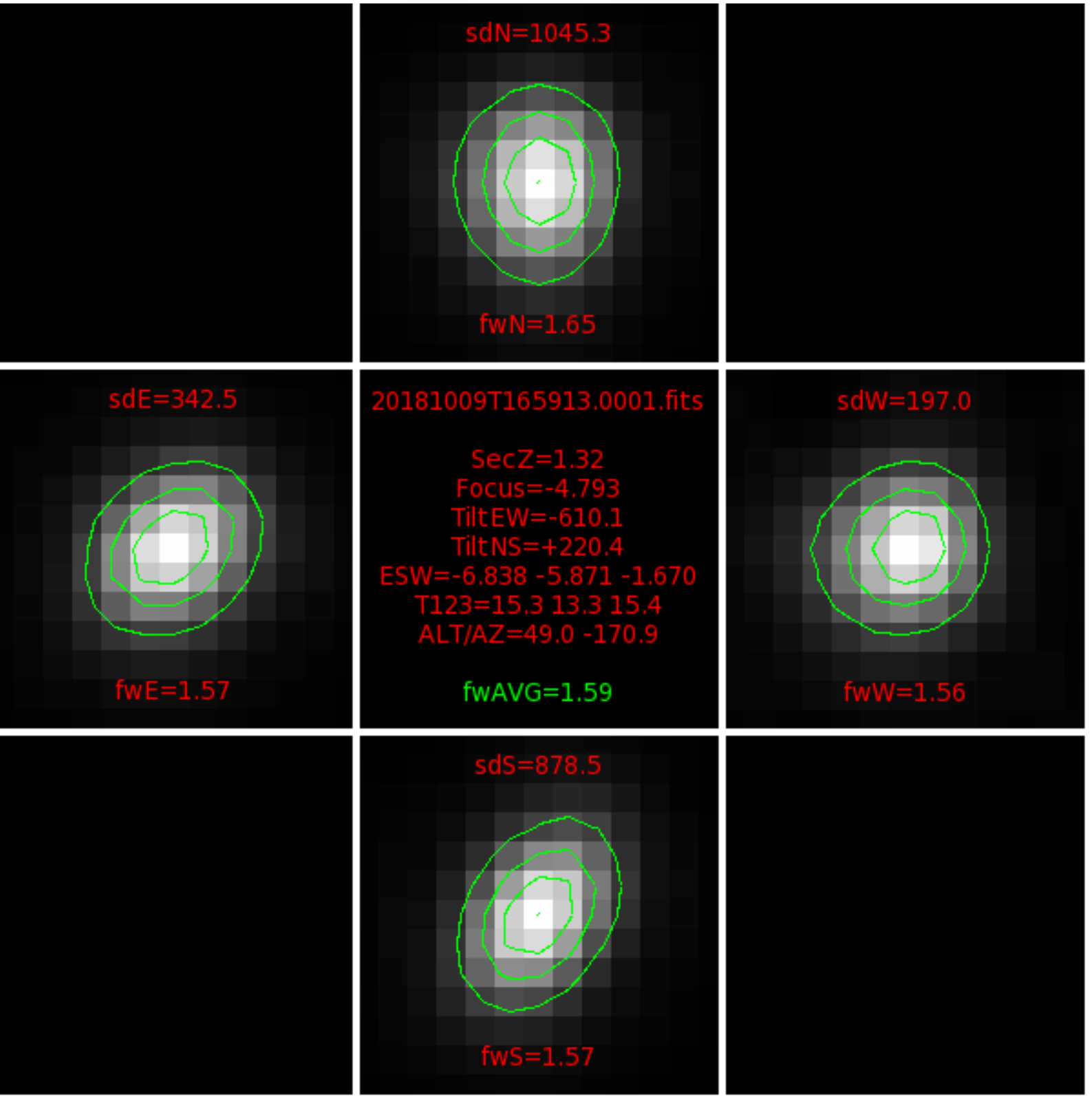
sdN=1045.3
fwN=1.65
sdE=342.5
fwE=1.57
20181009T165913.0001.fits
SecZ=1.32
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=15.3 13.3 15.4
ALT/AZ=49.0 -170.9
fwAVG=1.59
sdW=197.0
fwW=1.56
sdS=878.5
fwS=1.57
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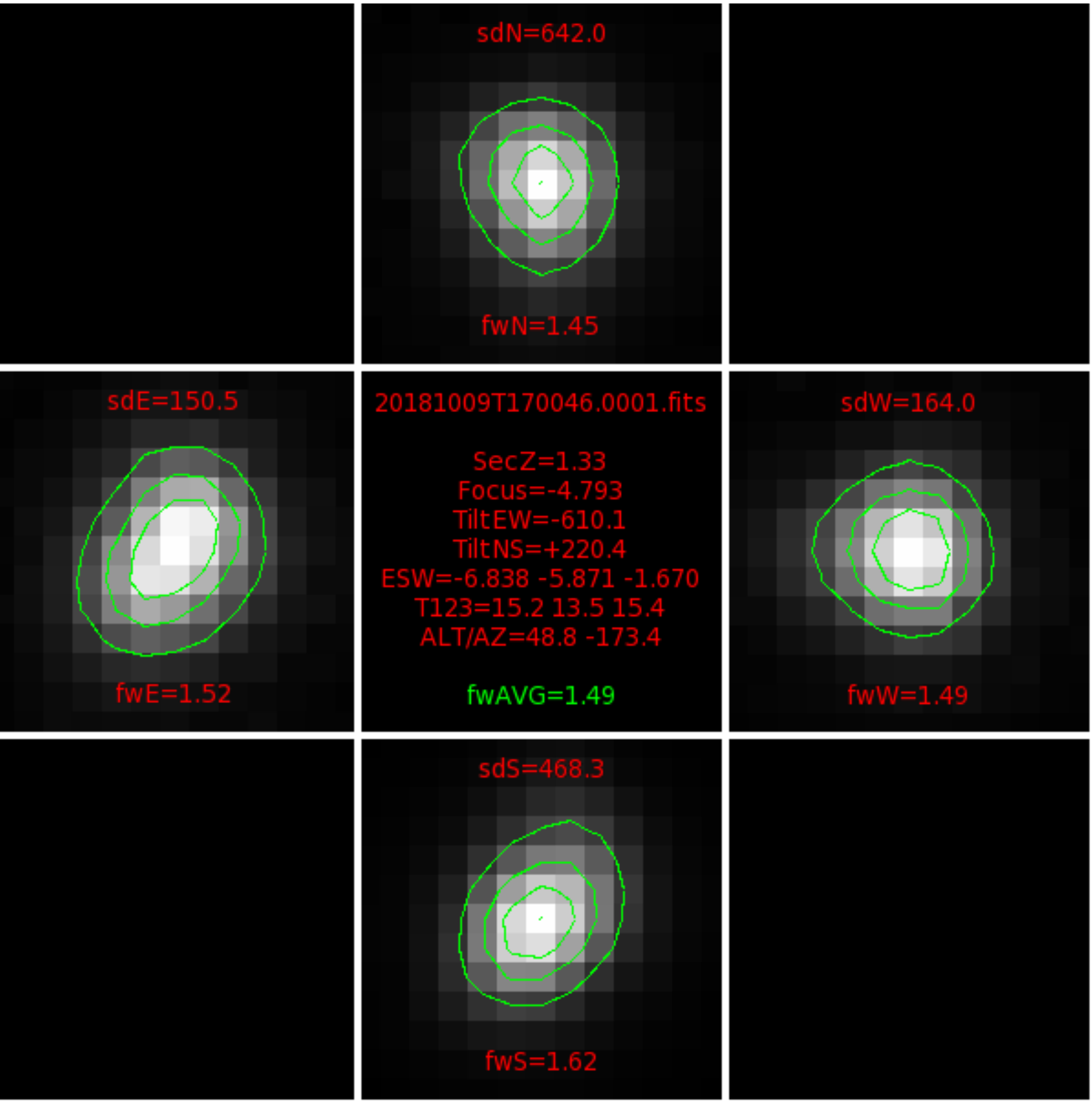
sdN=642.0
fwN=1.45
sdE=150.5
fwE=1.52
20181009T170046.0001.fits
SecZ=1.33
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=15.2 13.5 15.4
ALT/AZ=48.8 -173.4
fwAVG=1.49
sdW=164.0
fwW=1.49
sdS=468.3
fwS=1.62
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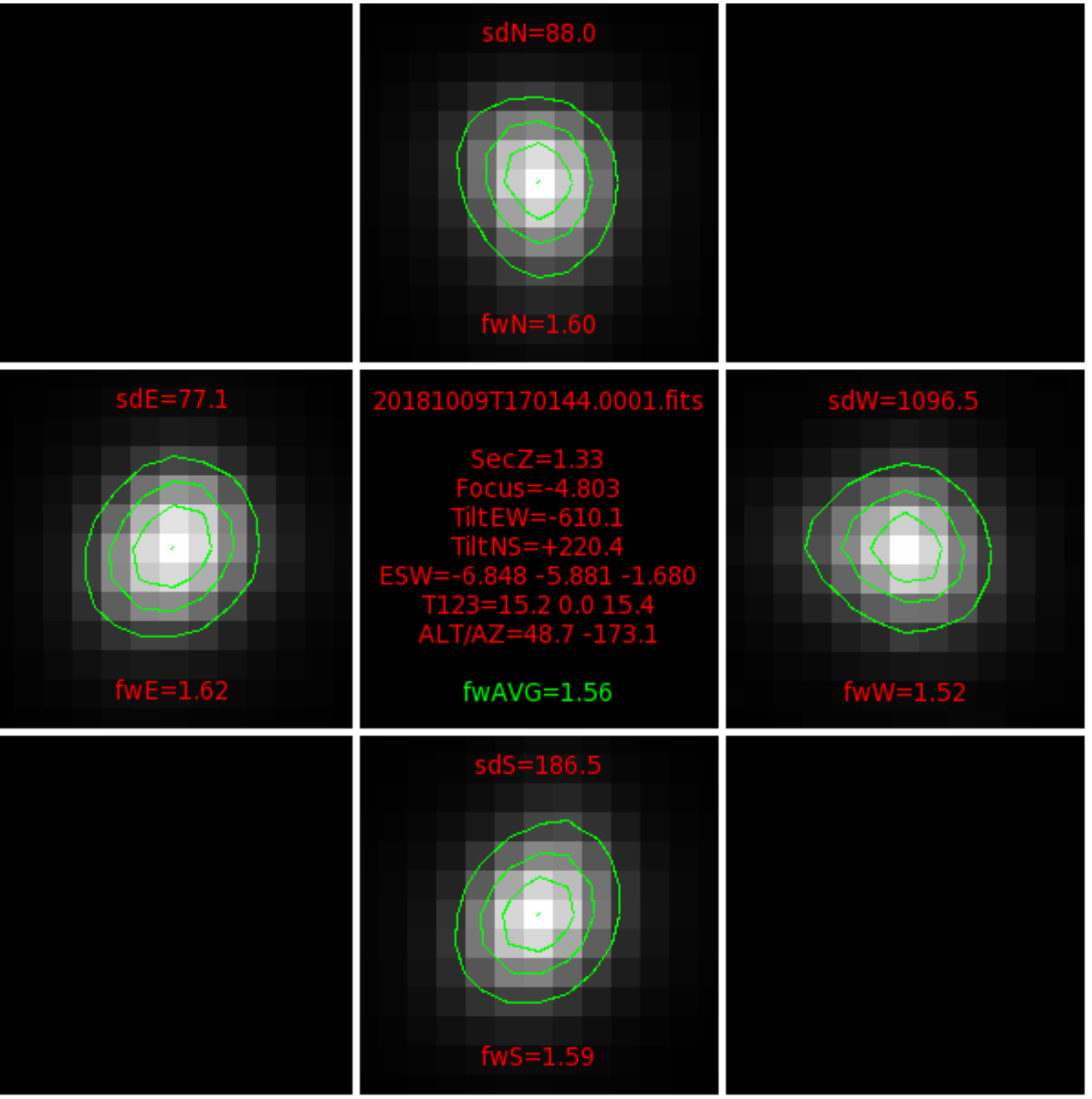
sdN=88.0
fwN=1.60
sdE=77.1
fwE=1.62
20181009T170144.0001.fits
SecZ=1.33
Focus=-4.803
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.848 -5.881 -1.680
T123=15.2 0.0 15.4
ALT/AZ=48.7 -173.1
fwAVG=1.56
sdW=1096.5
fwW=1.52
sdS=186.5
fwS=1.59
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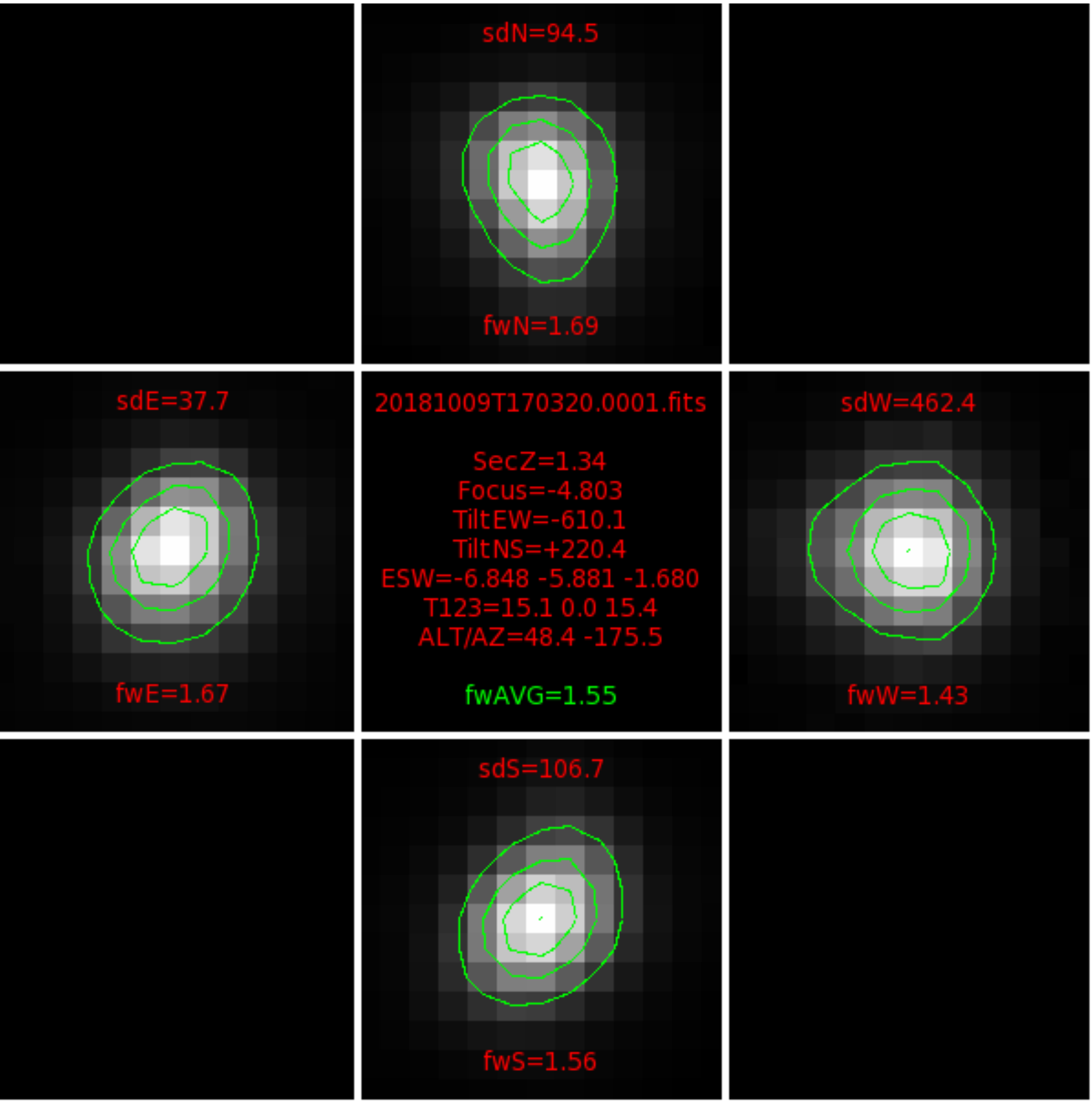
sdN=94.5
fwN=1.69
sdE=37.7
fwE=1.67
20181009T170320.0001.fits
SecZ=1.34
Focus=-4.803
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.848 -5.881 -1.680
T123=15.1 0.0 15.4
ALT/AZ=48.4 -175.5
fwAVG=1.55
sdW=462.4
fwW=1.43
sdS=106.7
fwS=1.56
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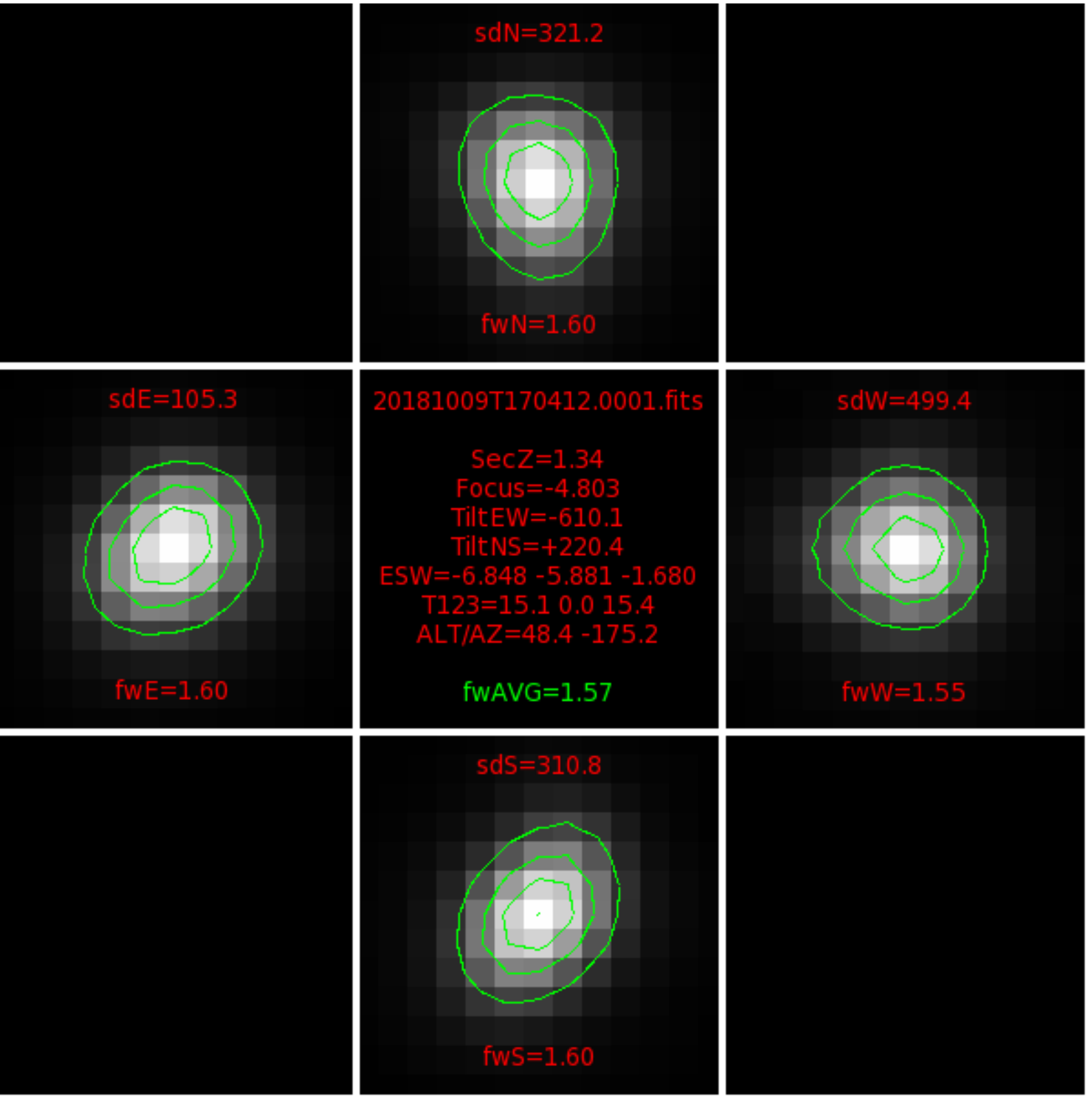
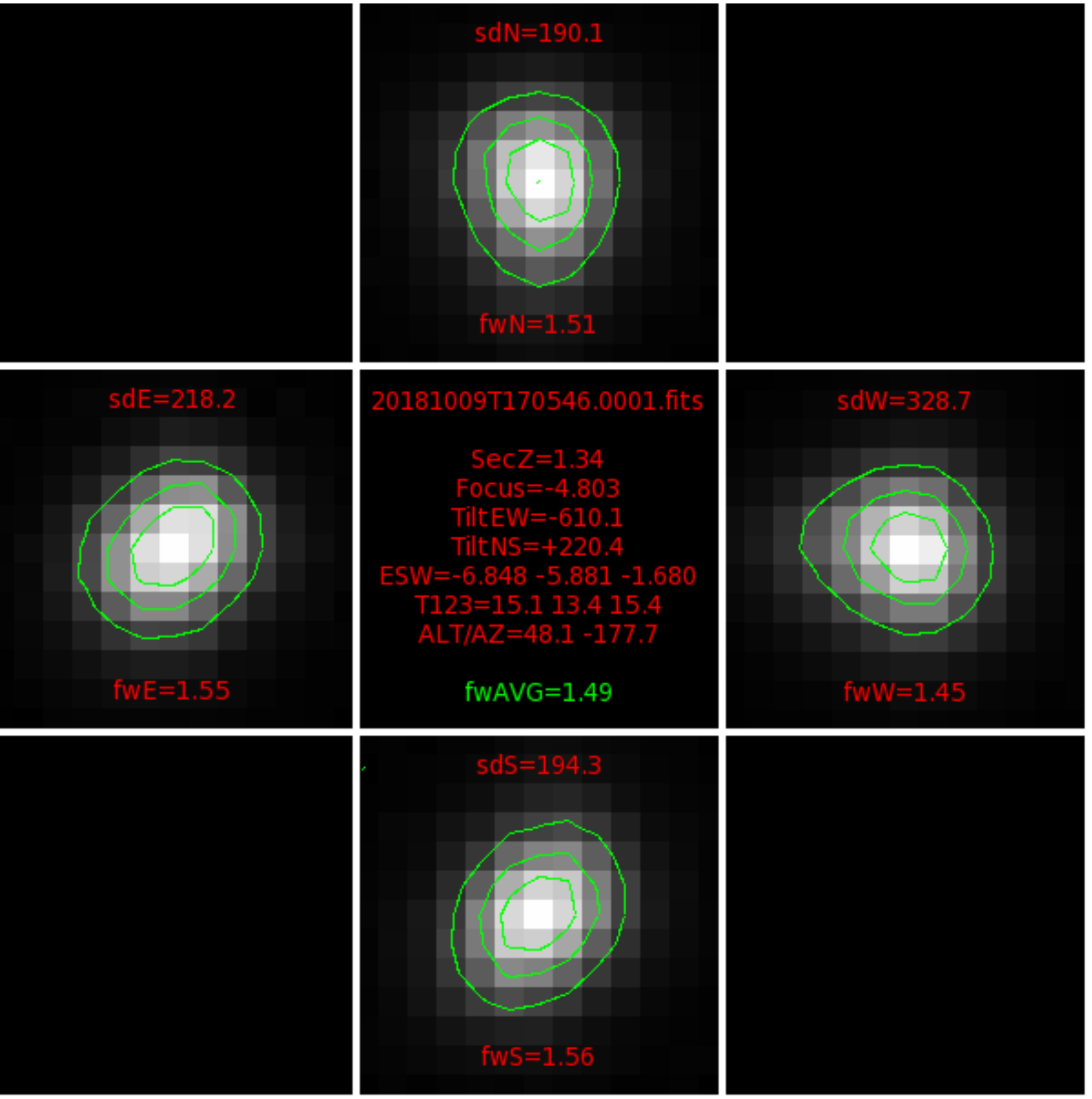

sdN=321.2
fwN=1.60
sdE=105.3
fwE=1.60
20181009T170412.0001.fits
SecZ=1.34
Focus=-4.803
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.848 -5.881 -1.680
T123=15.1 0.0 15.4
ALT/AZ=48.4 -175.2
fwAVG=1.57
sdW=499.4
fwW=1.55
sdS=310.8
fwS=1.60
0 0 0 0 0 0 0 0 0


sdN=190.1
fwN=1.51
sdE=218.2
fwE=1.55
20181009T170546.0001.fits
SecZ=1.34
Focus=-4.803
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.848 -5.881 -1.680
T123=15.1 13.4 15.4
ALT/AZ=48.1 -177.7
fwAVG=1.49
sdW=328.7
fwW=1.45
sdS=194.3
fwS=1.56
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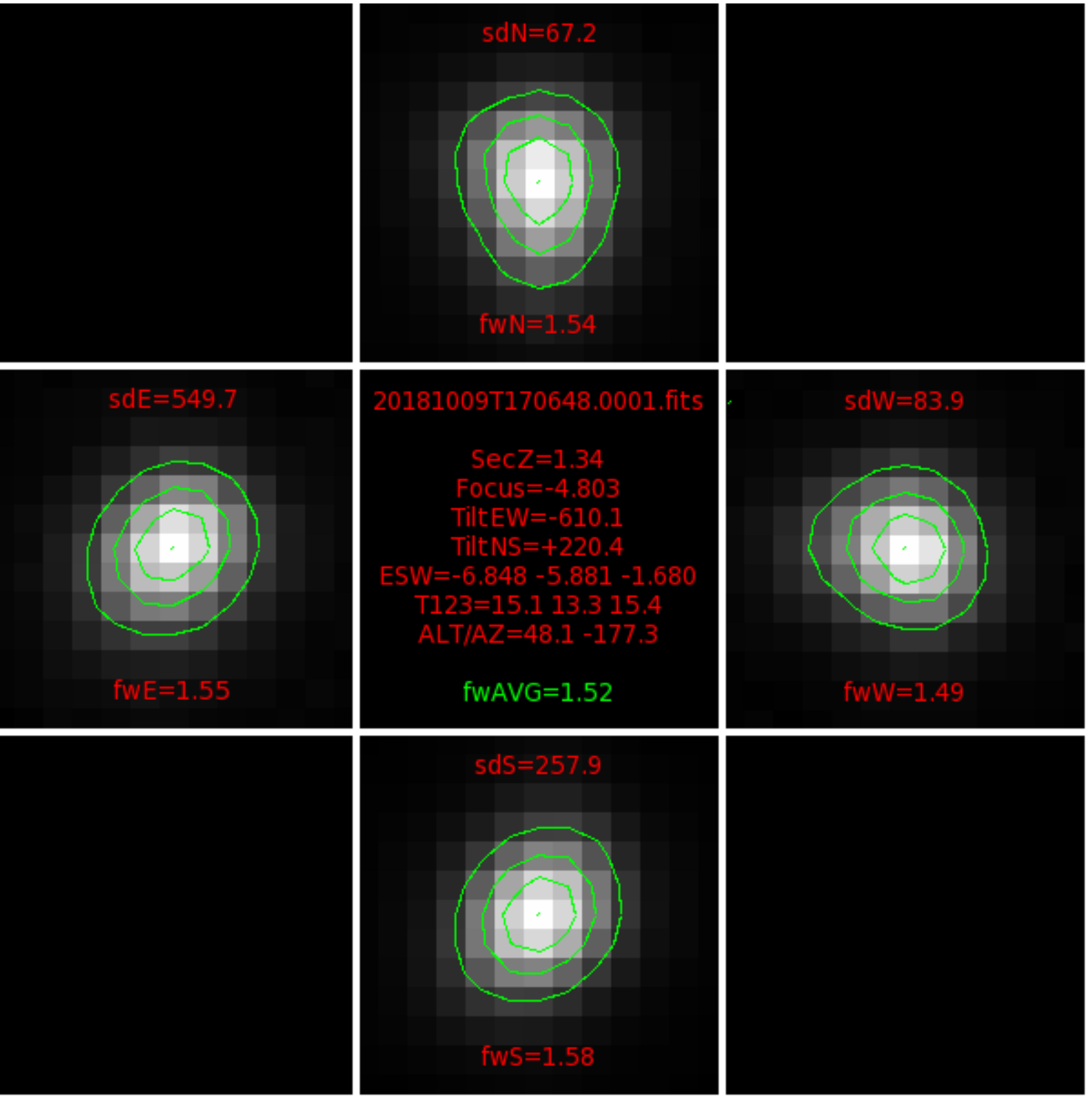
sdN=67.2
fwN=1.54
sdE=549.7
fwE=1.55
20181009T170648.0001.fits
SecZ=1.34
Focus=-4.803
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.848 -5.881 -1.680
T123=15.1 13.3 15.4
ALT/AZ=48.1 -177.3
fwAVG=1.52
sdW=83.9
fwW=1.49
sdS=257.9
fwS=1.58
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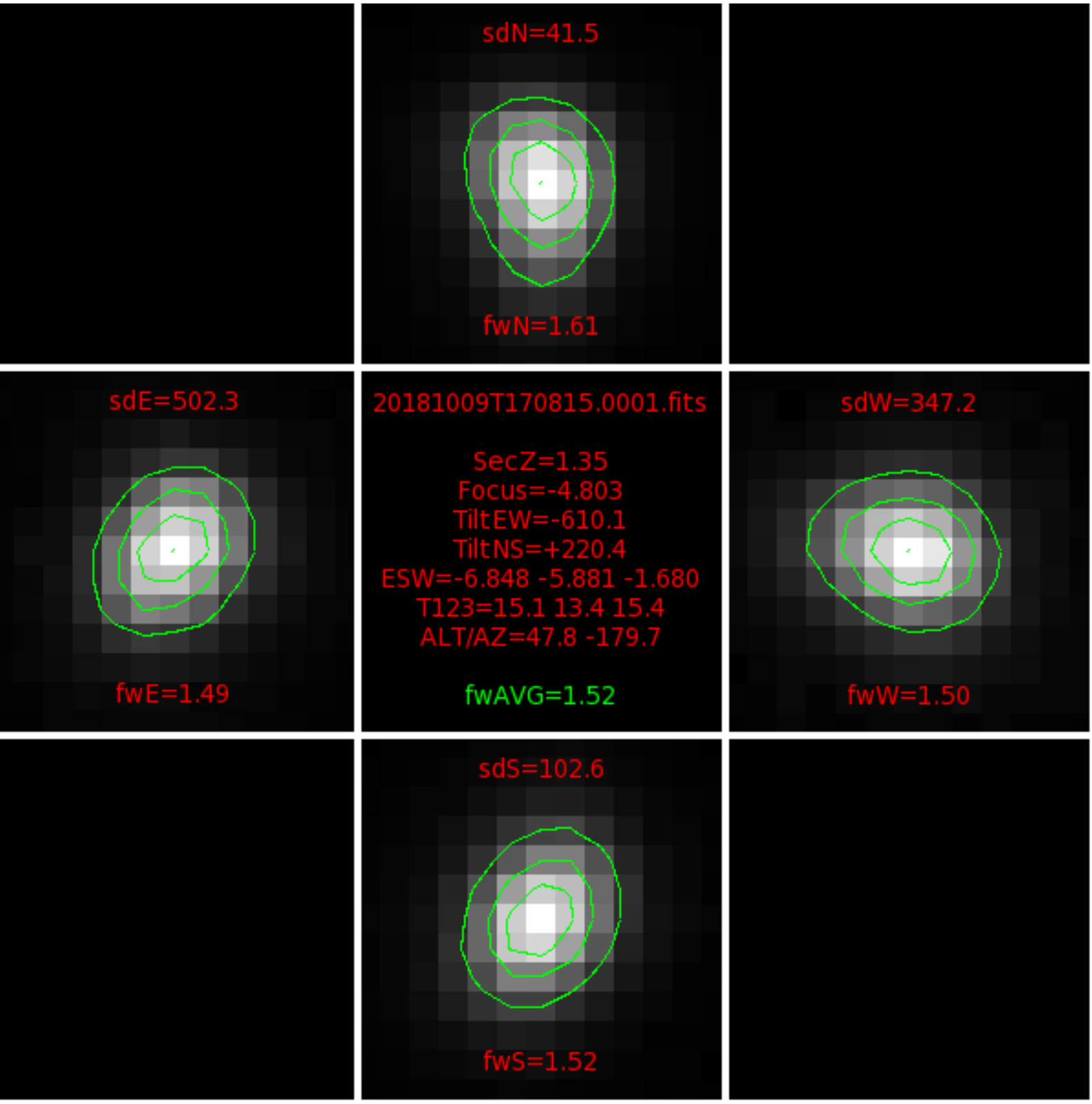
sdN=41.5
fwN=1.61
sdE=502.3
fwE=1.49
20181009T170815.0001.fits
SecZ=1.35
Focus=-4.803
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.848 -5.881 -1.680
T123=15.1 13.4 15.4
ALT/AZ=47.8 -179.7
fwAVG=1.52
sdW=347.2
fwW=1.50
sdS=102.6
fwS=1.52
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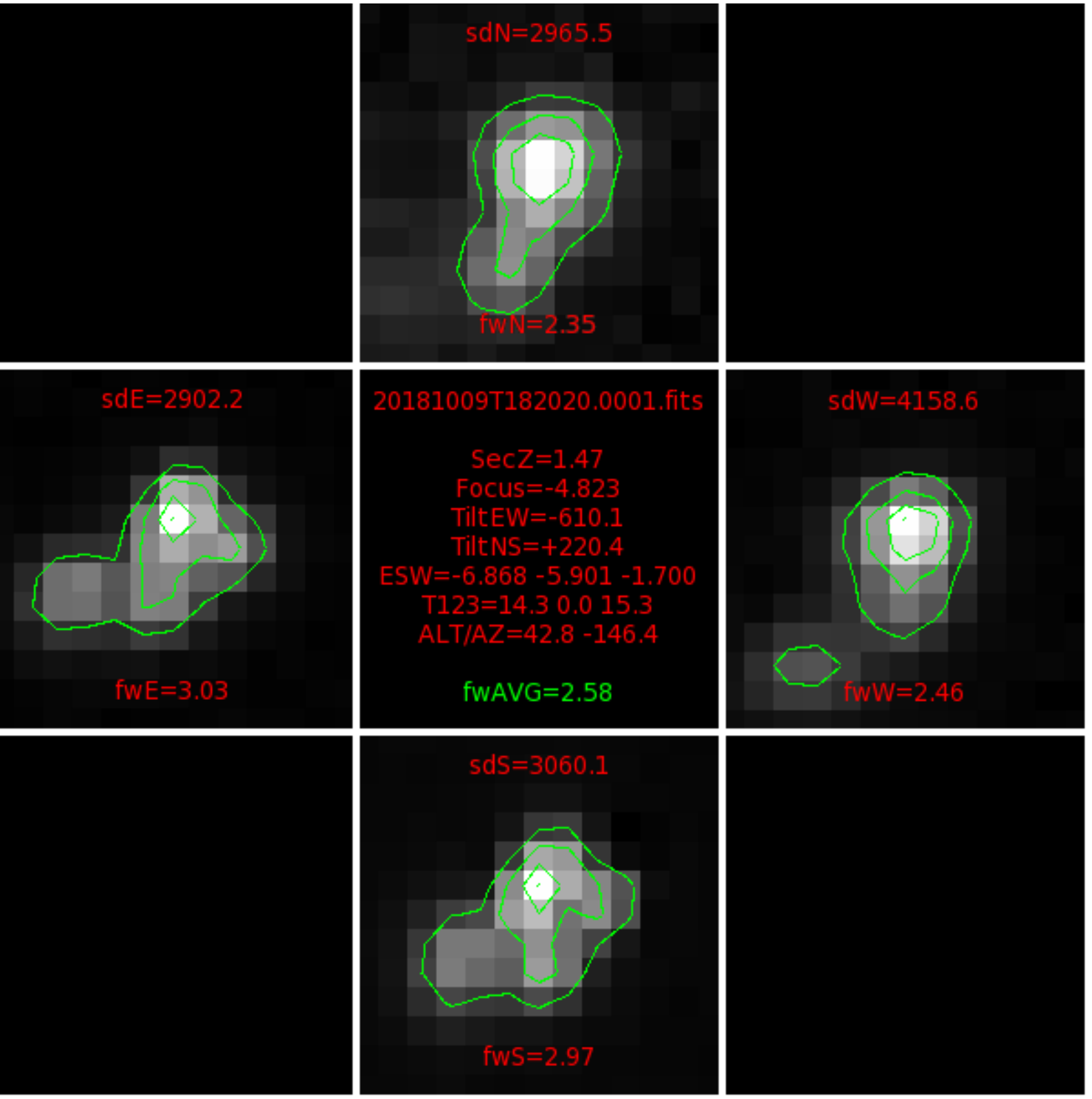
sdN=2965.5
fwN=2.35
sdE=2902.2
fwE=3.03
20181009T182020.0001.fits
SecZ=1.47
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=14.3 0.0 15.3
ALT/AZ=42.8 -146.4
fwAVG=2.58
sdW=4158.6
fwW=2.46
sdS=3060.1
fwS=2.97
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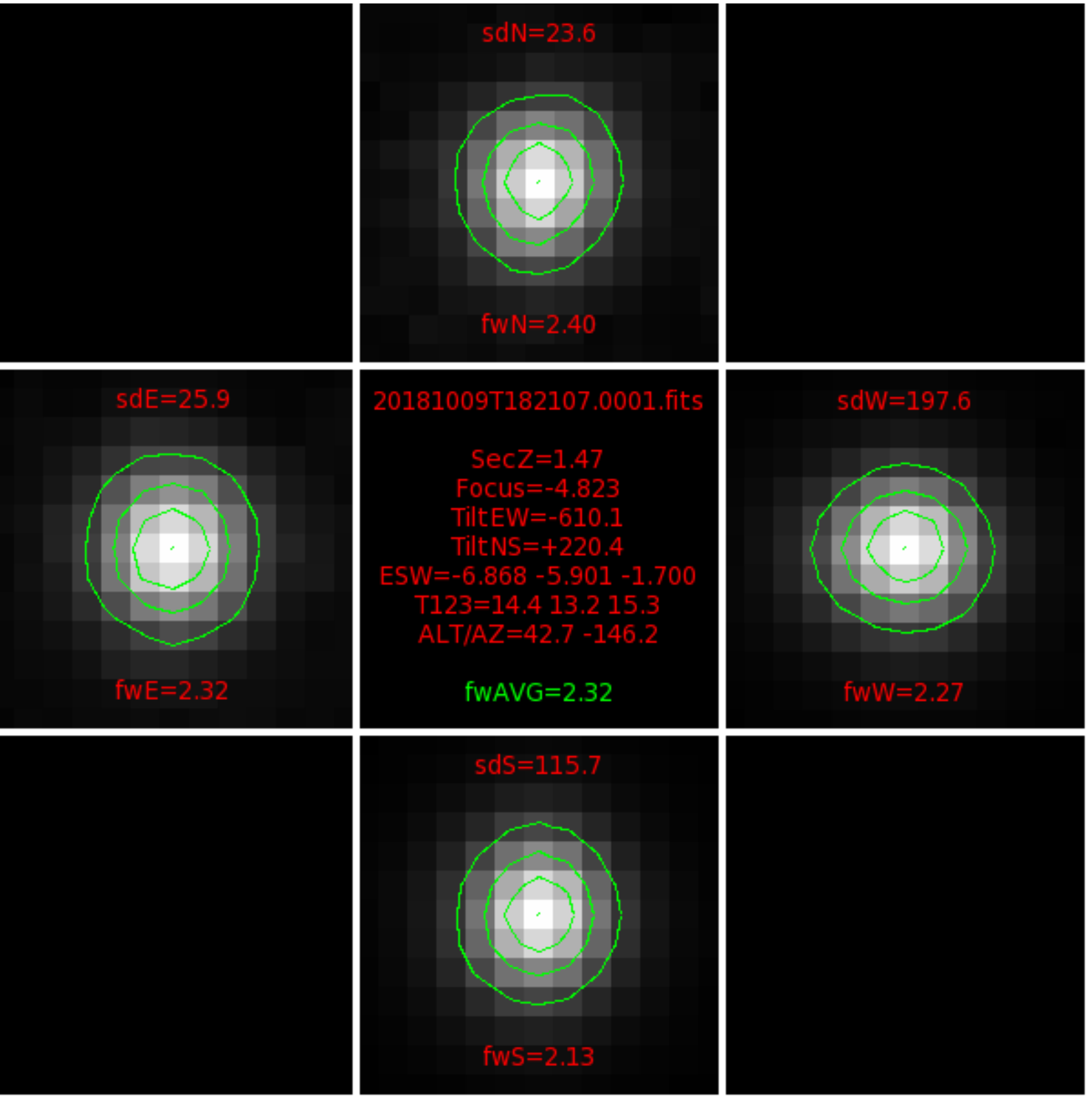
sdN=23.6
fwN=2.40
sdE=25.9
fwE=2.32
20181009T182107.0001.fits
SecZ=1.47
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=14.4 13.2 15.3
ALT/AZ=42.7 -146.2
fwAVG=2.32
sdW=197.6
fwW=2.27
sdS=115.7
fwS=2.13
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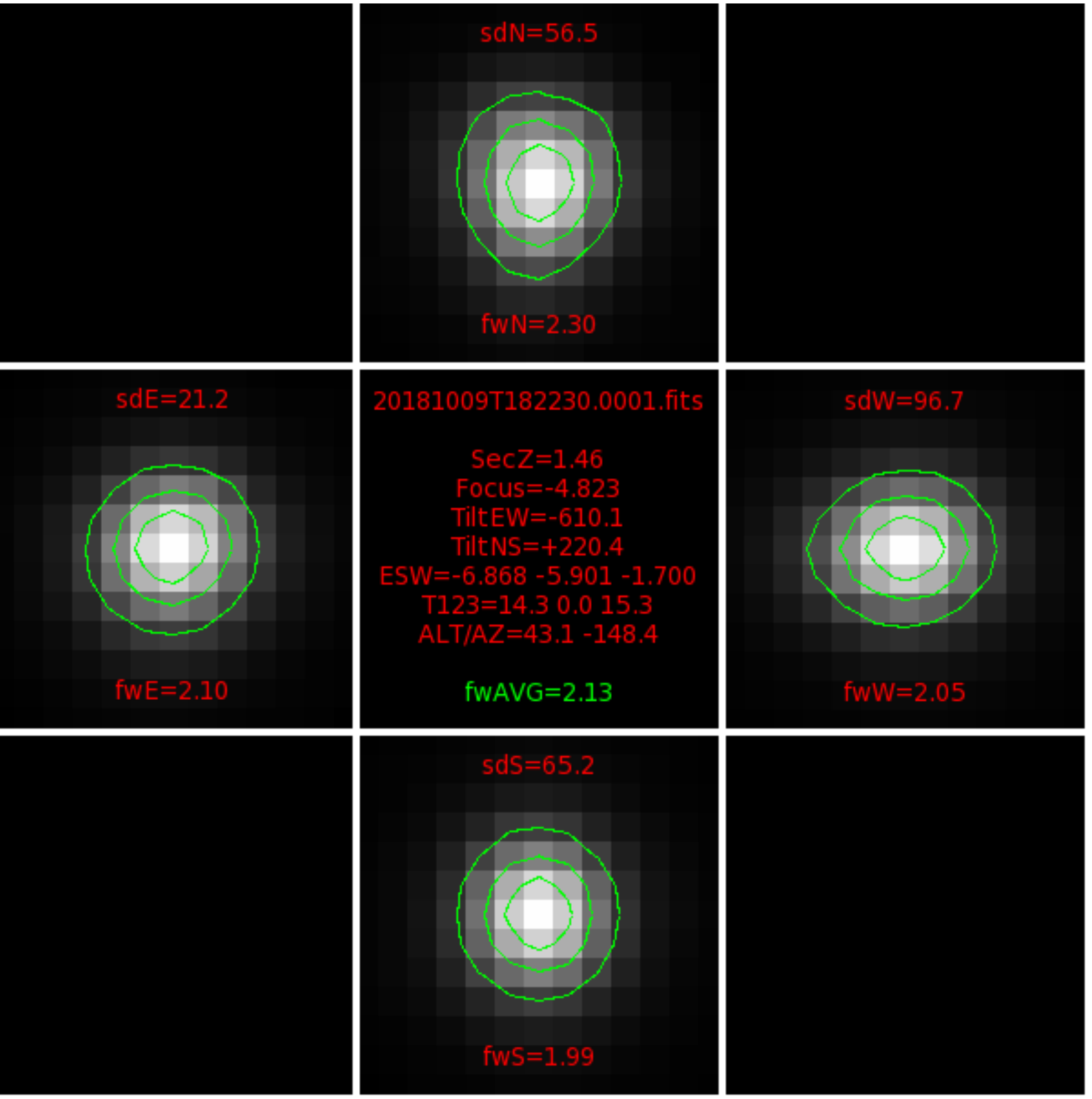
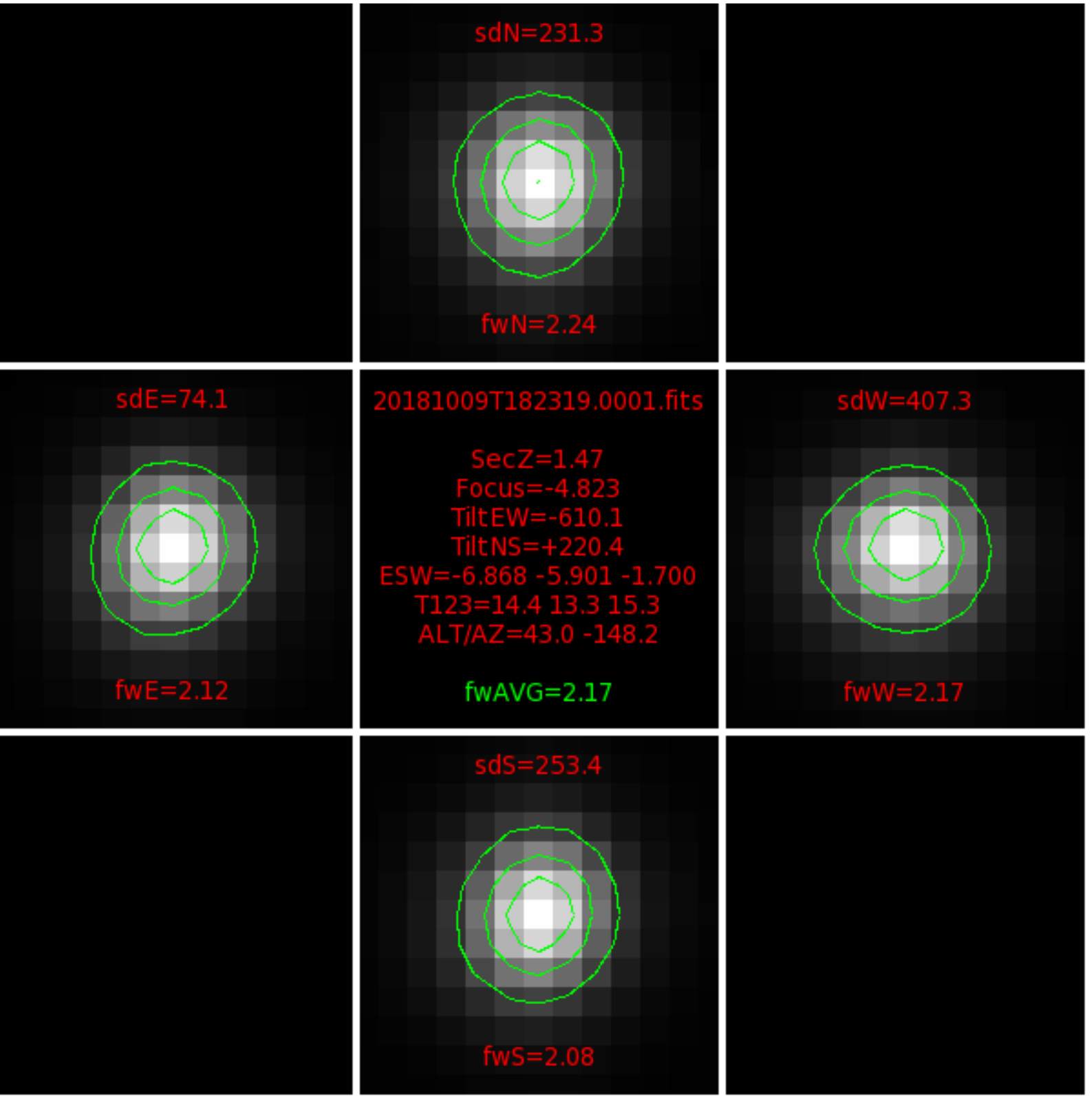

sdN=56.5
fwN=2.30
sdE=21.2
fwE=2.10
20181009T182230.0001.fits
SecZ=1.46
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=14.3 0.0 15.3
ALT/AZ=43.1 -148.4
fwAVG=2.13
sdW=96.7
fwW=2.05
sdS=65.2
fwS=1.99
0 0 0 0 0 0 0 0 0


sdN=231.3
fwN=2.24
sdE=74.1
fwE=2.12
20181009T182319.0001.fits
SecZ=1.47
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=14.4 13.3 15.3
ALT/AZ=43.0 -148.2
fwAVG=2.17
sdW=407.3
fwW=2.17
sdS=253.4
fwS=2.08
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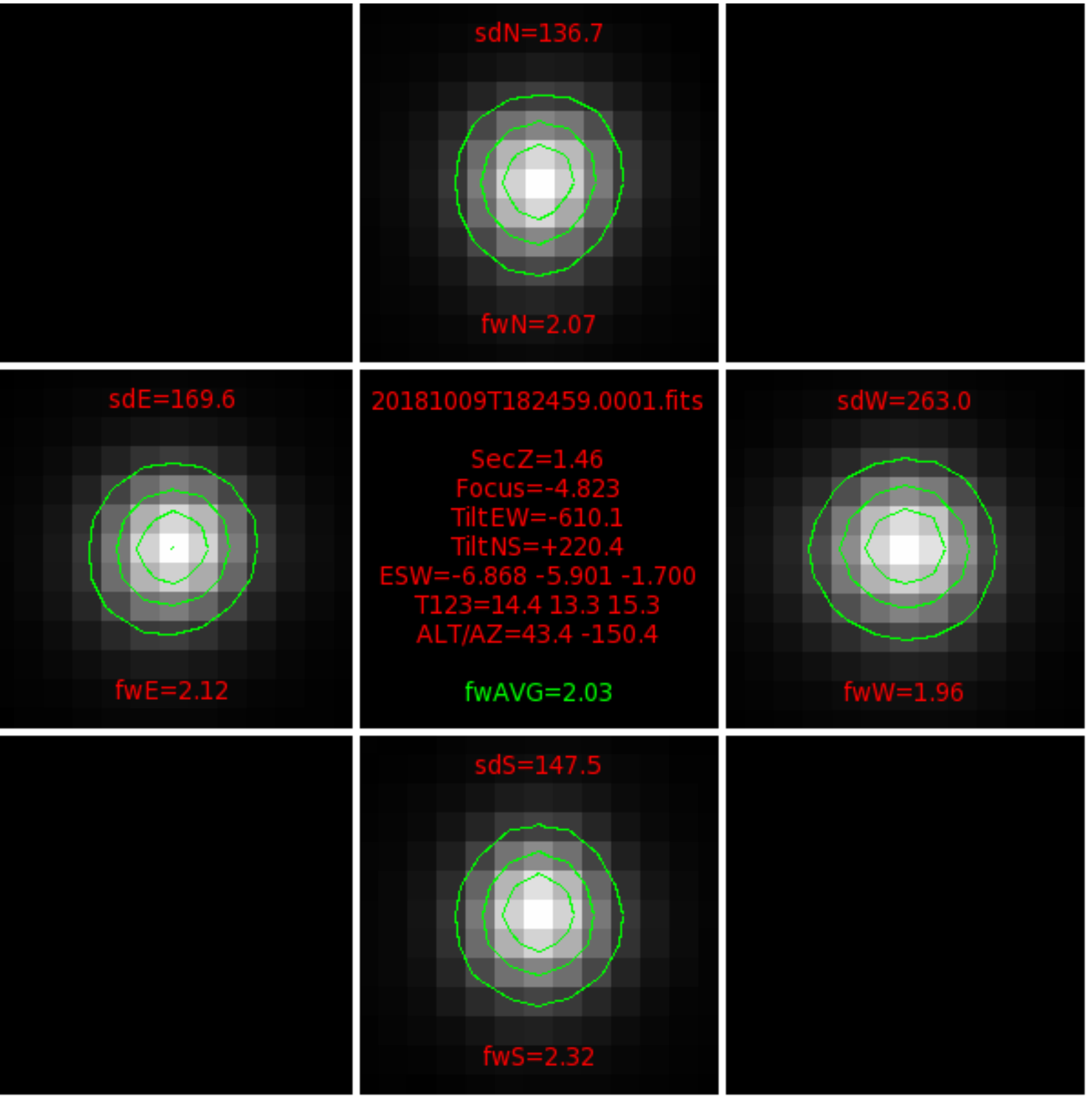
sdN=136.7
fwN=2.07
sdE=169.6
fwE=2.12
20181009T182459.0001.fits
SecZ=1.46
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=14.4 13.3 15.3
ALT/AZ=43.4 -150.4
fwAVG=2.03
sdW=263.0
fwW=1.96
sdS=147.5
fwS=2.32
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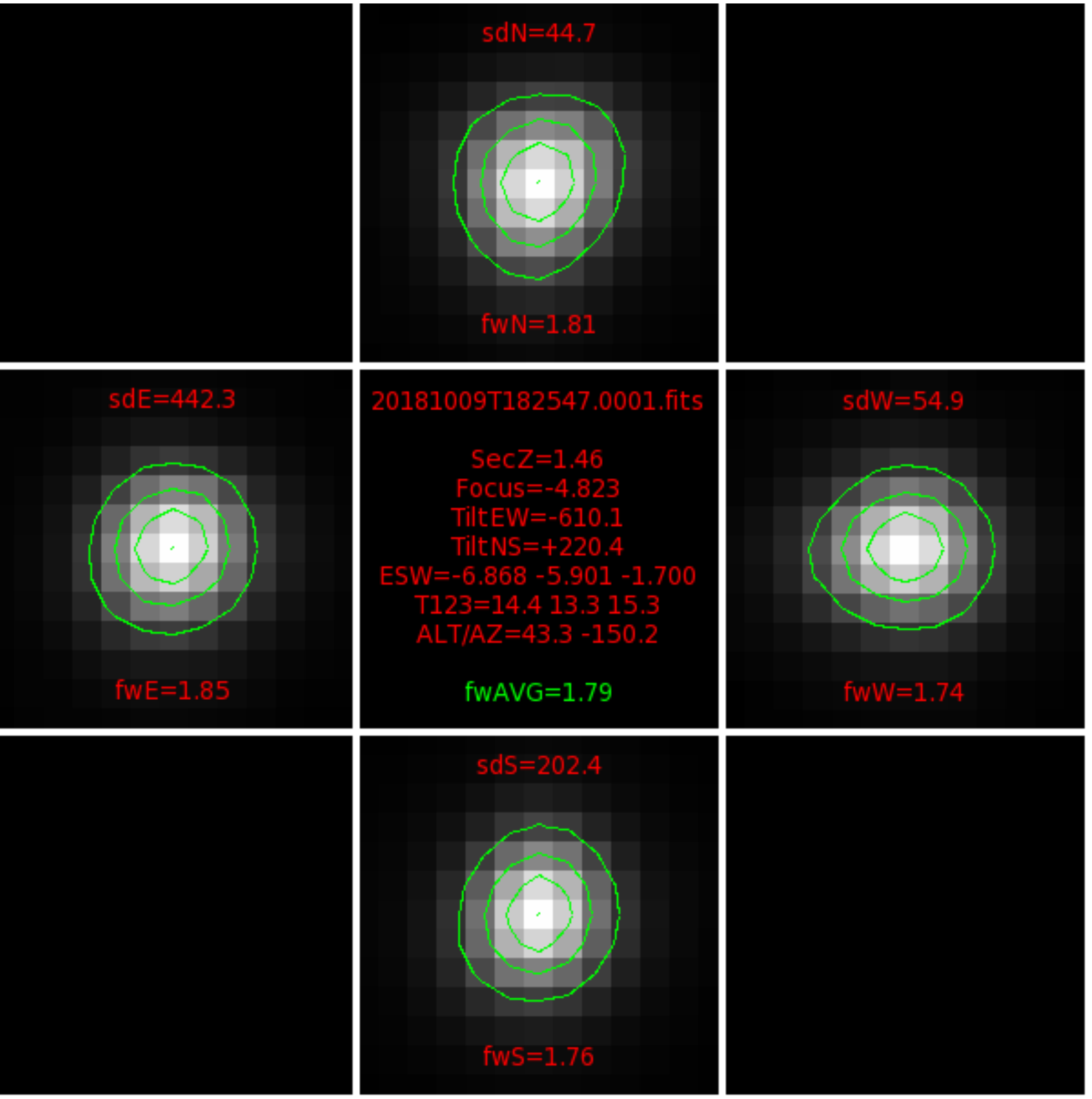
sdN=44.7
fwN=1.81
sdE=442.3
fwE=1.85
20181009T182547.0001.fits
SecZ=1.46
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=14.4 13.3 15.3
ALT/AZ=43.3 -150.2
fwAVG=1.79
sdW=54.9
fwW=1.74
sdS=202.4
fwS=1.76
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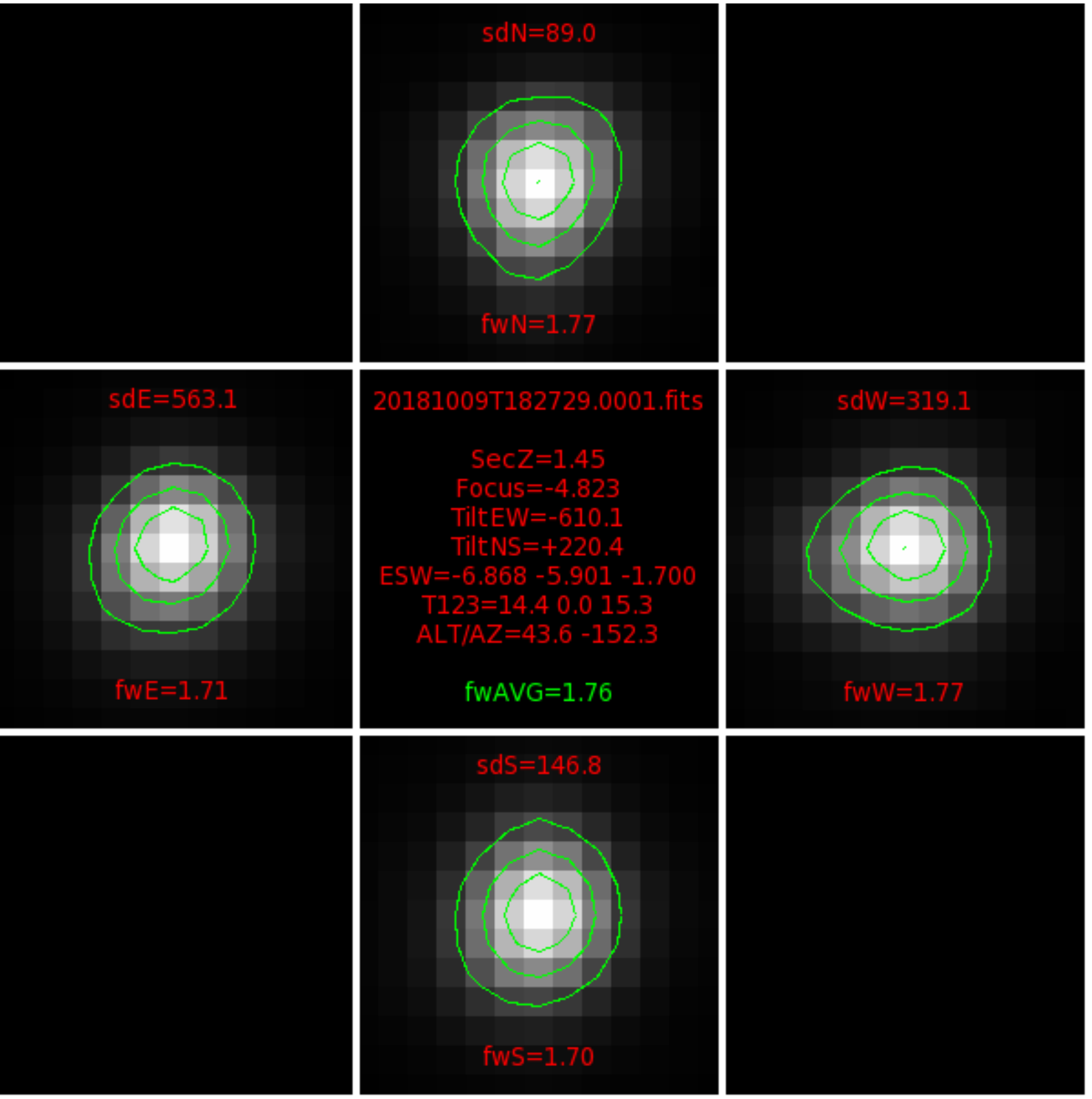
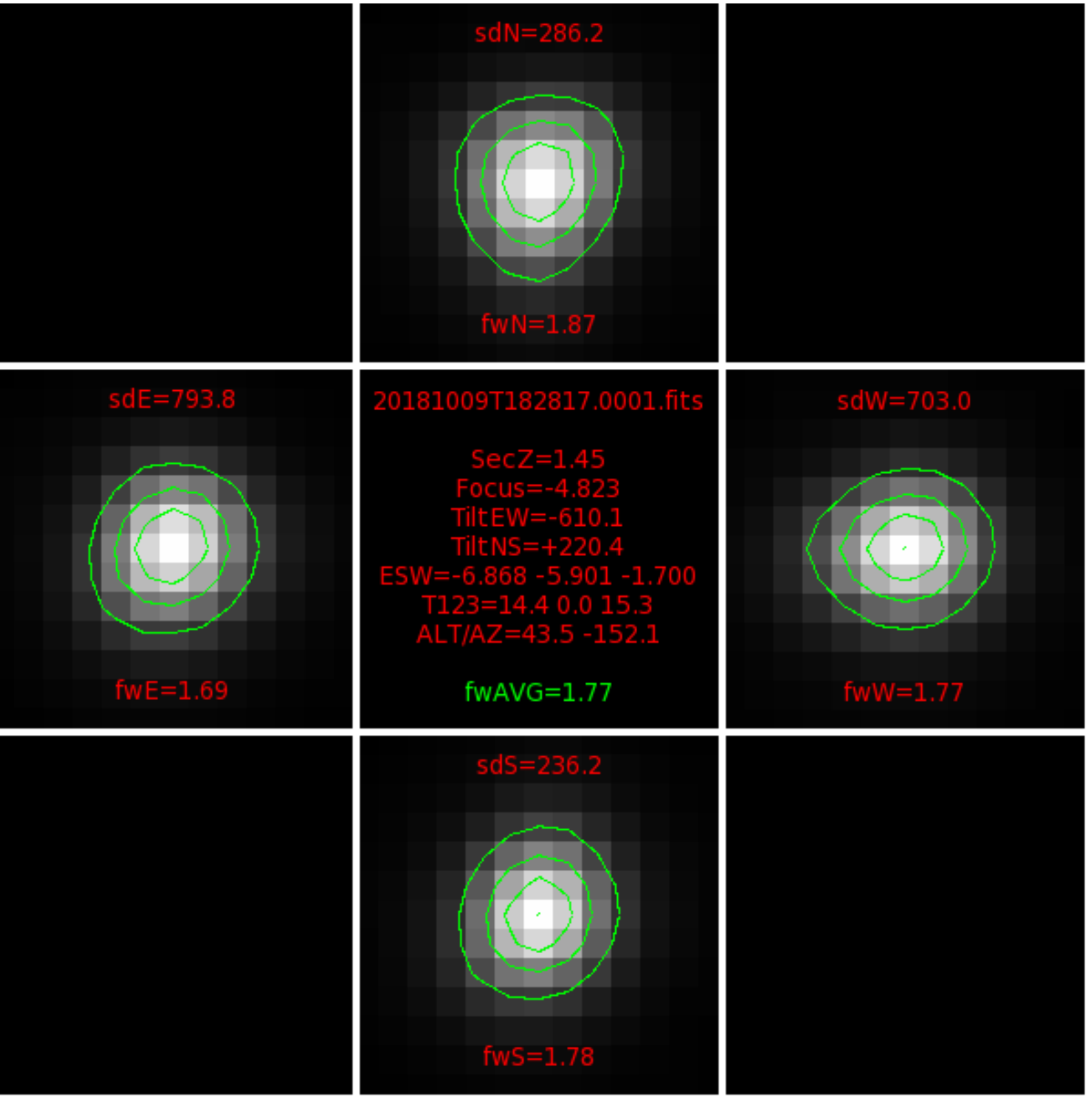

sdN=89.0
fwN=1.77
sdE=563.1
fwE=1.71
20181009T182729.0001.fits
SecZ=1.45
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=14.4 0.0 15.3
ALT/AZ=43.6 -152.3
fwAVG=1.76
sdW=319.1
fwW=1.77
sdS=146.8
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=286.2
fwN=1.87
sdE=793.8
fwE=1.69
20181009T182817.0001.fits
SecZ=1.45
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=14.4 0.0 15.3
ALT/AZ=43.5 -152.1
fwAVG=1.77
sdW=703.0
fwW=1.77
sdS=236.2
fwS=1.78
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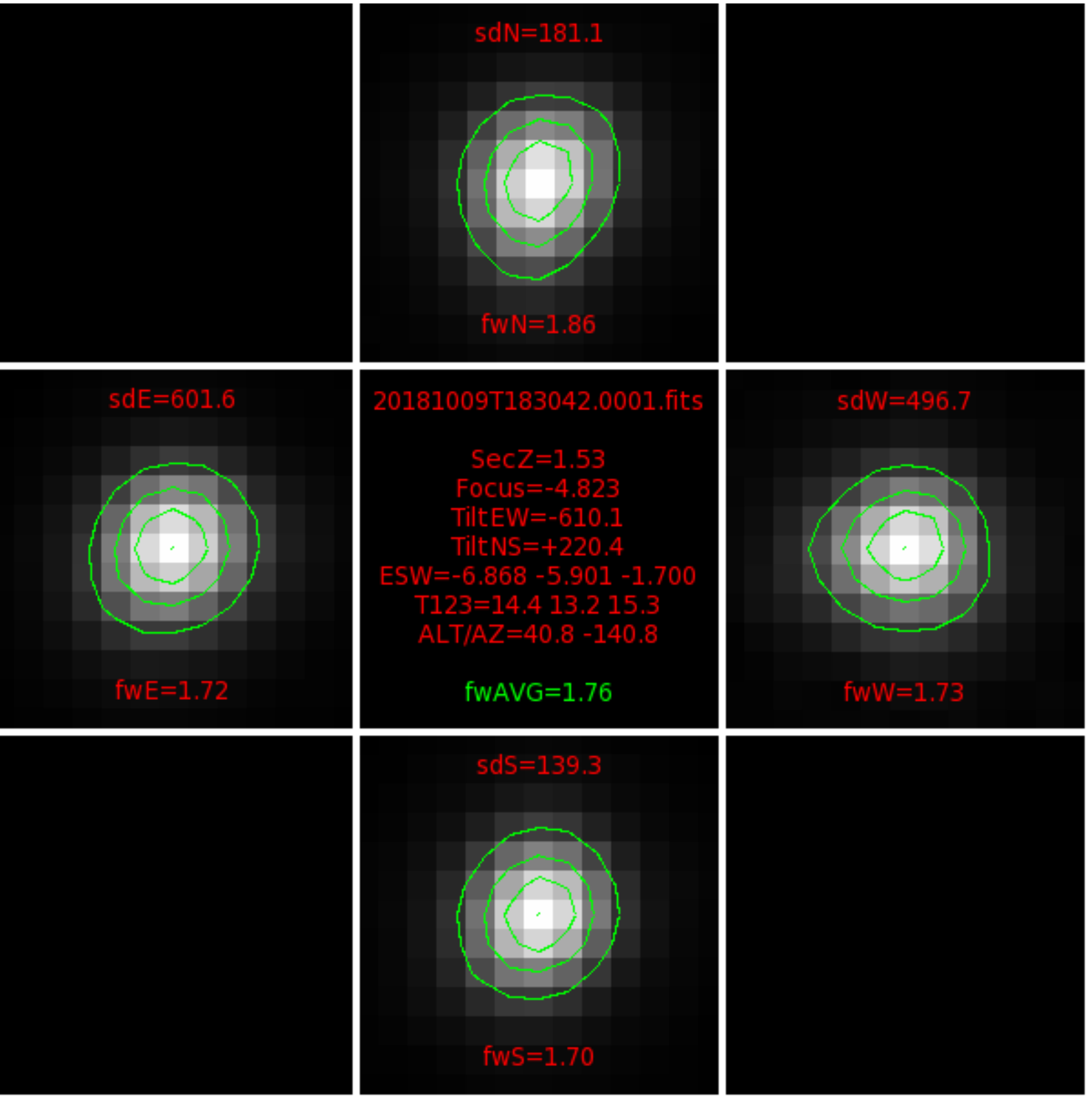
sdN=181.1
fwN=1.86
sdE=601.6
fwE=1.72
20181009T183042.0001.fits
SecZ=1.53
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=14.4 13.2 15.3
ALT/AZ=40.8 -140.8
fwAVG=1.76
sdW=496.7
fwW=1.73
sdS=139.3
fwS=1.70
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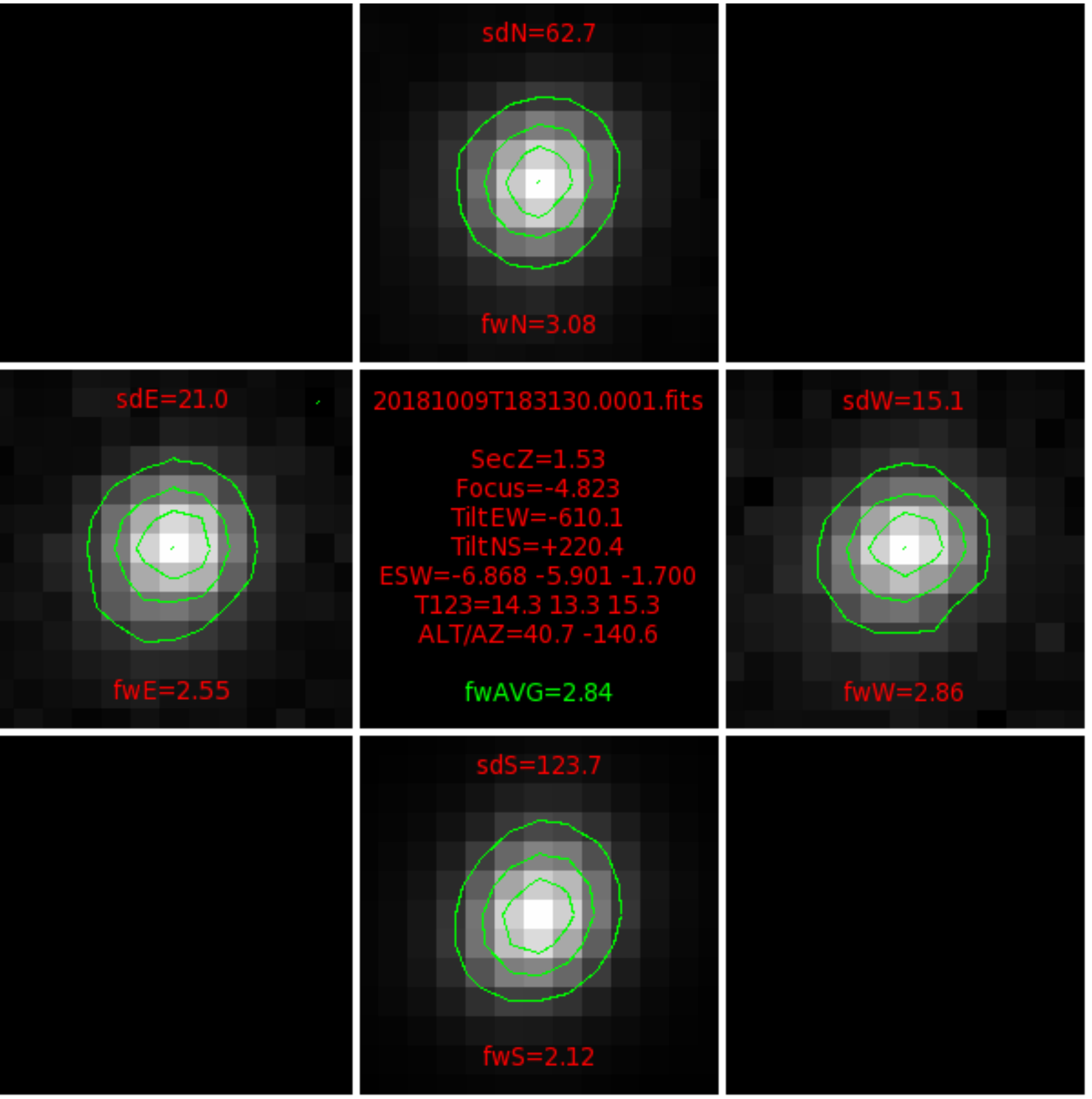
sdN=62.7
fwN=3.08
sdE=21.0
fwE=2.55
20181009T183130.0001.fits
SecZ=1.53
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=14.3 13.3 15.3
ALT/AZ=40.7 -140.6
fwAVG=2.84
sdW=15.1
fwW=2.86
sdS=123.7
fwS=2.12
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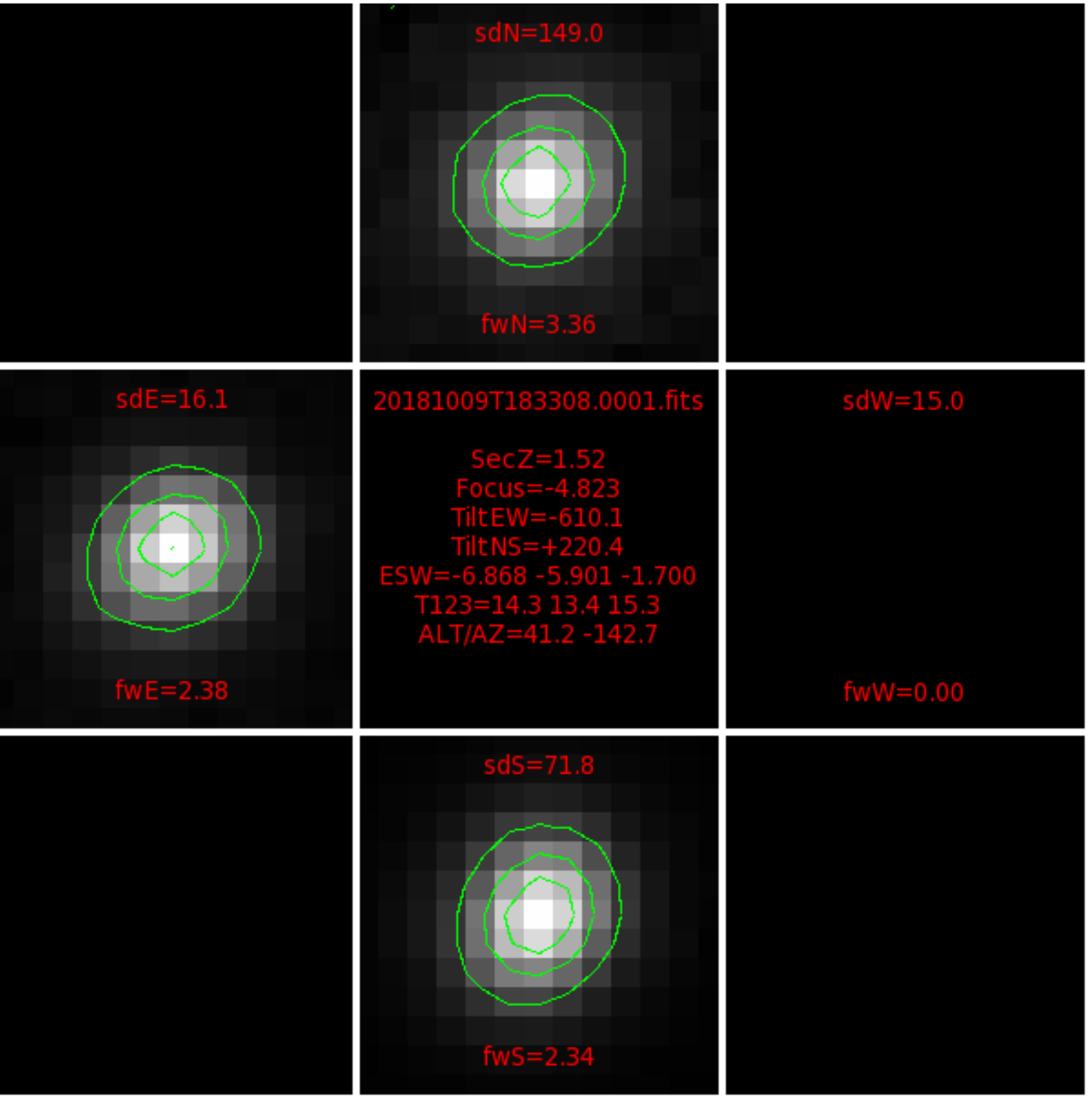
sdN=149.0
fwN=3.36
sdE=16.1
fwE=2.38
20181009T183308.0001.fits
SecZ=1.52
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=14.3 13.4 15.3
ALT/AZ=41.2 -142.7
sdW=15.0
fwW=0.00
sdS=71.8
fwS=2.34
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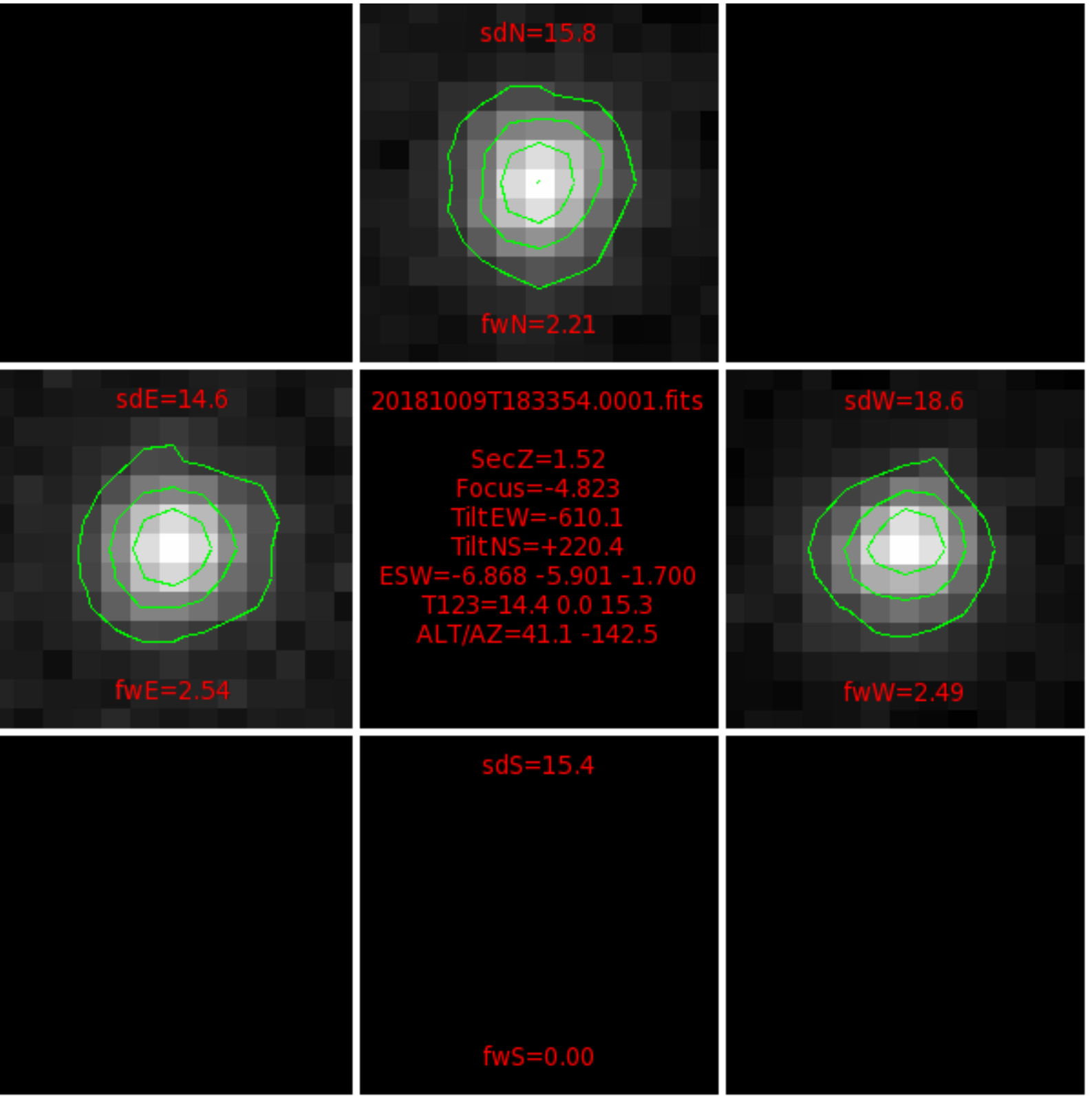
sdN=15.8
fwN=2.21
sdE=14.6
fwE=2.54
20181009T183354.0001.fits
SecZ=1.52
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=14.4 0.0 15.3
ALT/AZ=41.1 -142.5
sdW=18.6
fwW=2.49
sdS=15.4
fwS=0.00
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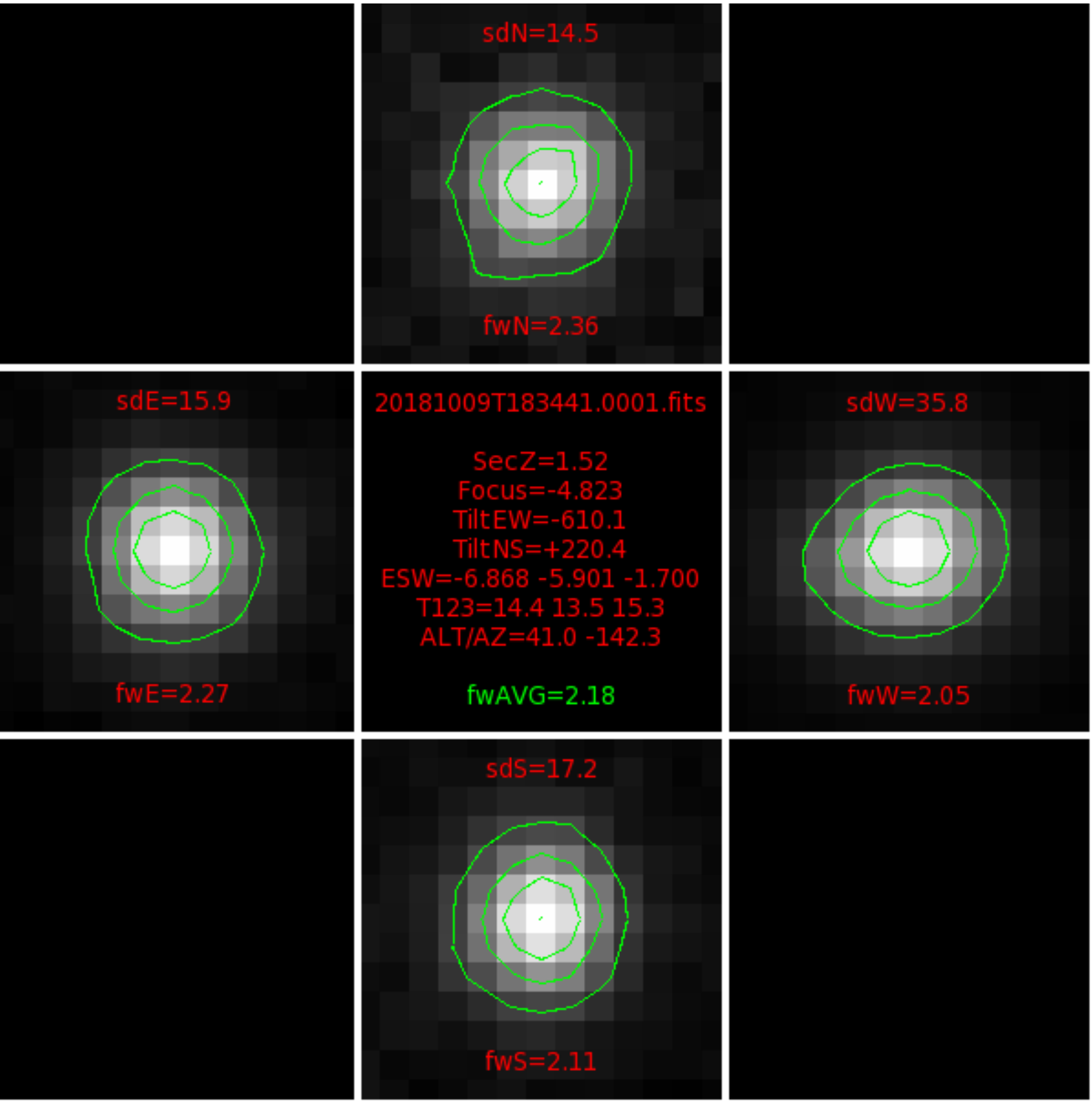
sdN=14.5
fwN=2.36
sdE=15.9
fwE=2.27
20181009T183441.0001.fits
SecZ=1.52
Focus=-4.823
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.868 -5.901 -1.700
T123=14.4 13.5 15.3
ALT/AZ=41.0 -142.3
fwAVG=2.18
sdW=35.8
fwW=2.05
sdS=17.2
fwS=2.11
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