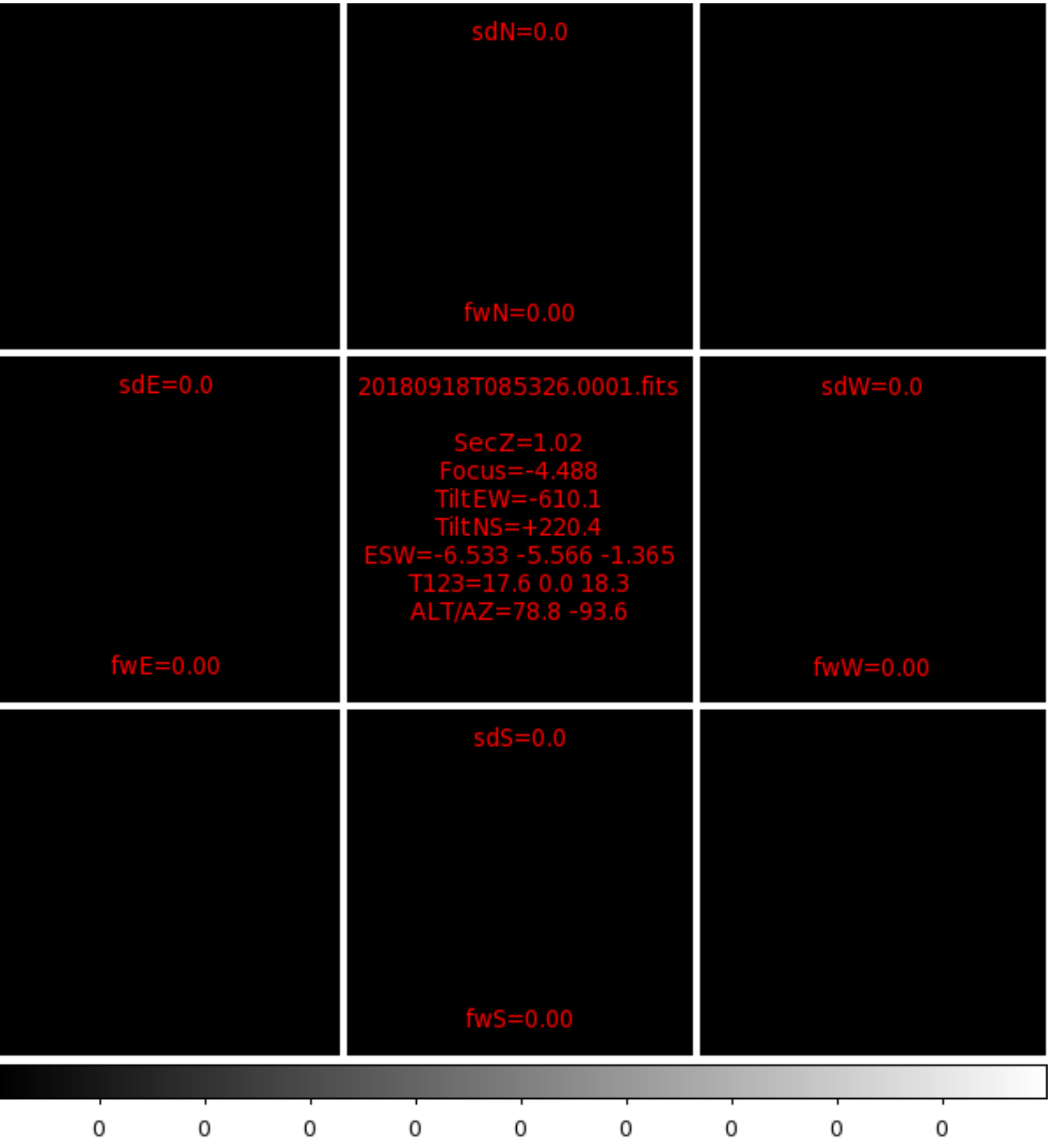
sdN=0.0
fwN=0.00
sdE=0.0
20180918T085326.0001.fits
SecZ=1.02
Focus=-4.488
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.533 -5.566 -1.365
T123=17.6 0.0 18.3
ALT/AZ=78.8 -93.6
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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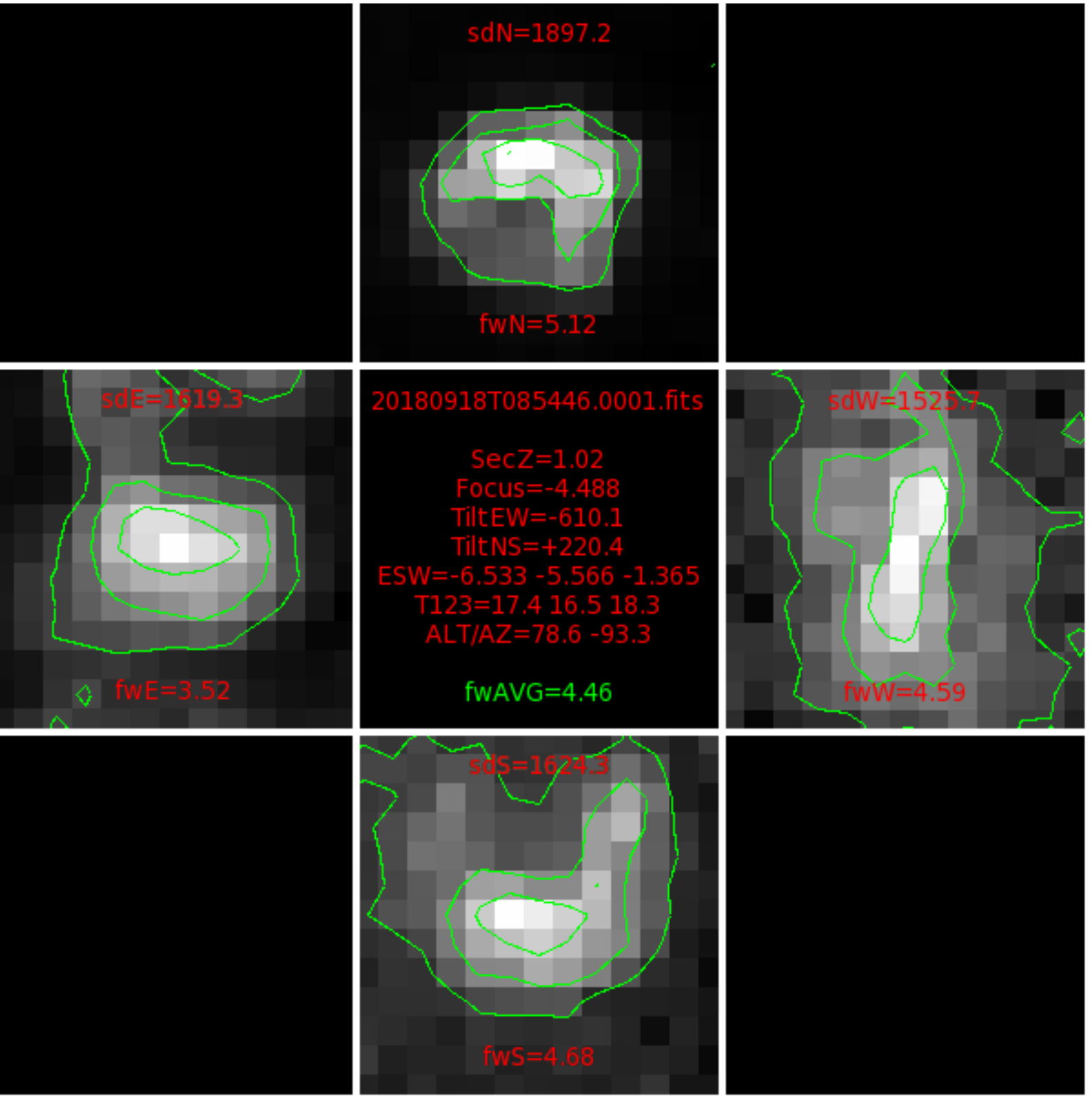
sdN=1897.2
fwN=5.12
sdE=1619.3
fwE=3.52
20180918T085446.0001.fits
SecZ=1.02
Focus=-4.488
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.533 -5.566 -1.365
T123=17.4 16.5 18.3
ALT/AZ=78.6 -93.3
fwAVG=4.46
sdW=1525.7
fwW=4.59
sdS=1624.3
fwS=4.68
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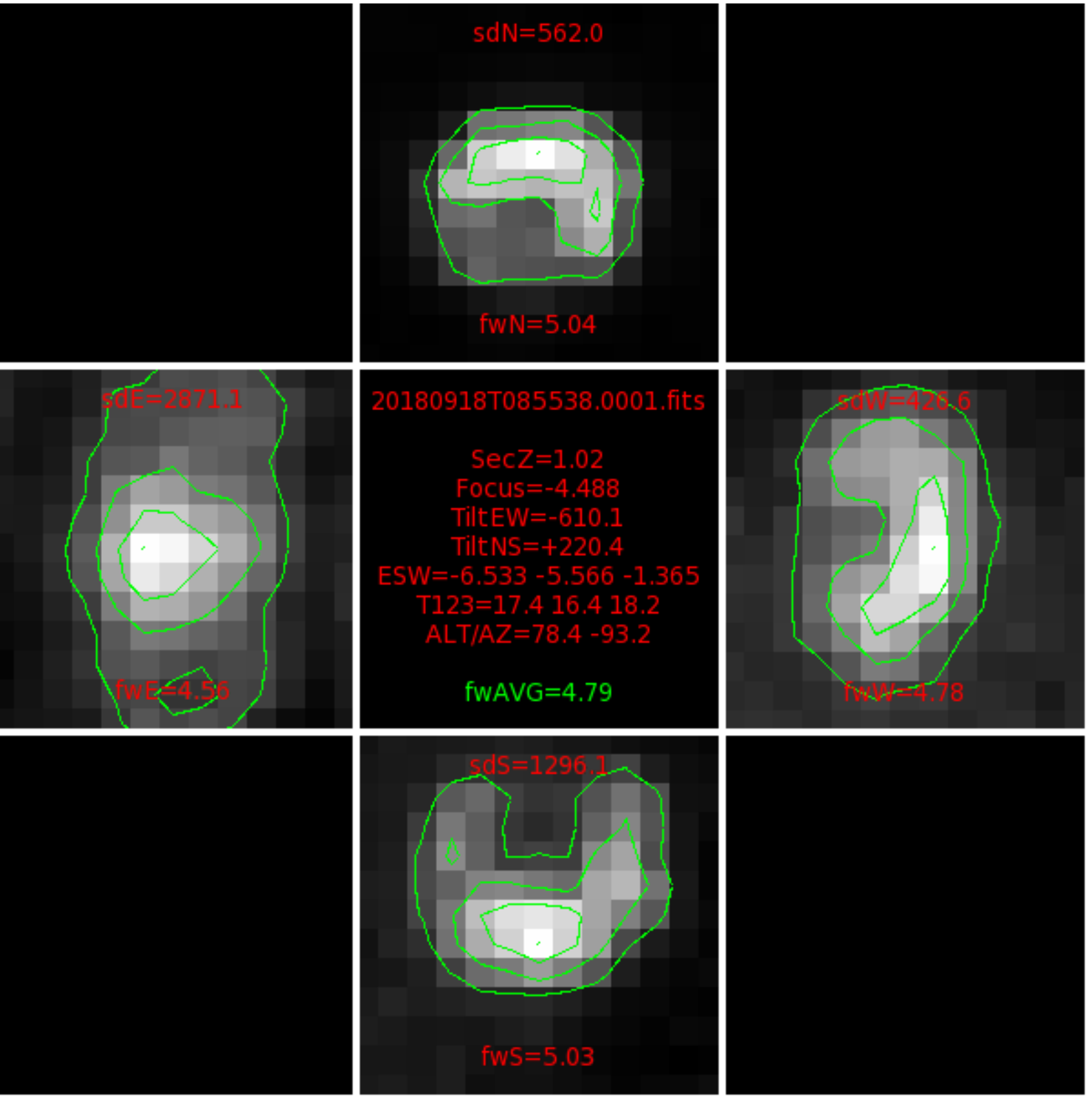
sdN=562.0
fwN=5.04
sdE=2871.1
fwE=4.56
20180918T085538.0001.fits
SecZ=1.02
Focus=-4.488
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.533 -5.566 -1.365
T123=17.4 16.4 18.2
ALT/AZ=78.4 -93.2
fwAVG=4.79
sdW=426.6
fwW=4.78
sdS=1296.1
fwS=5.03
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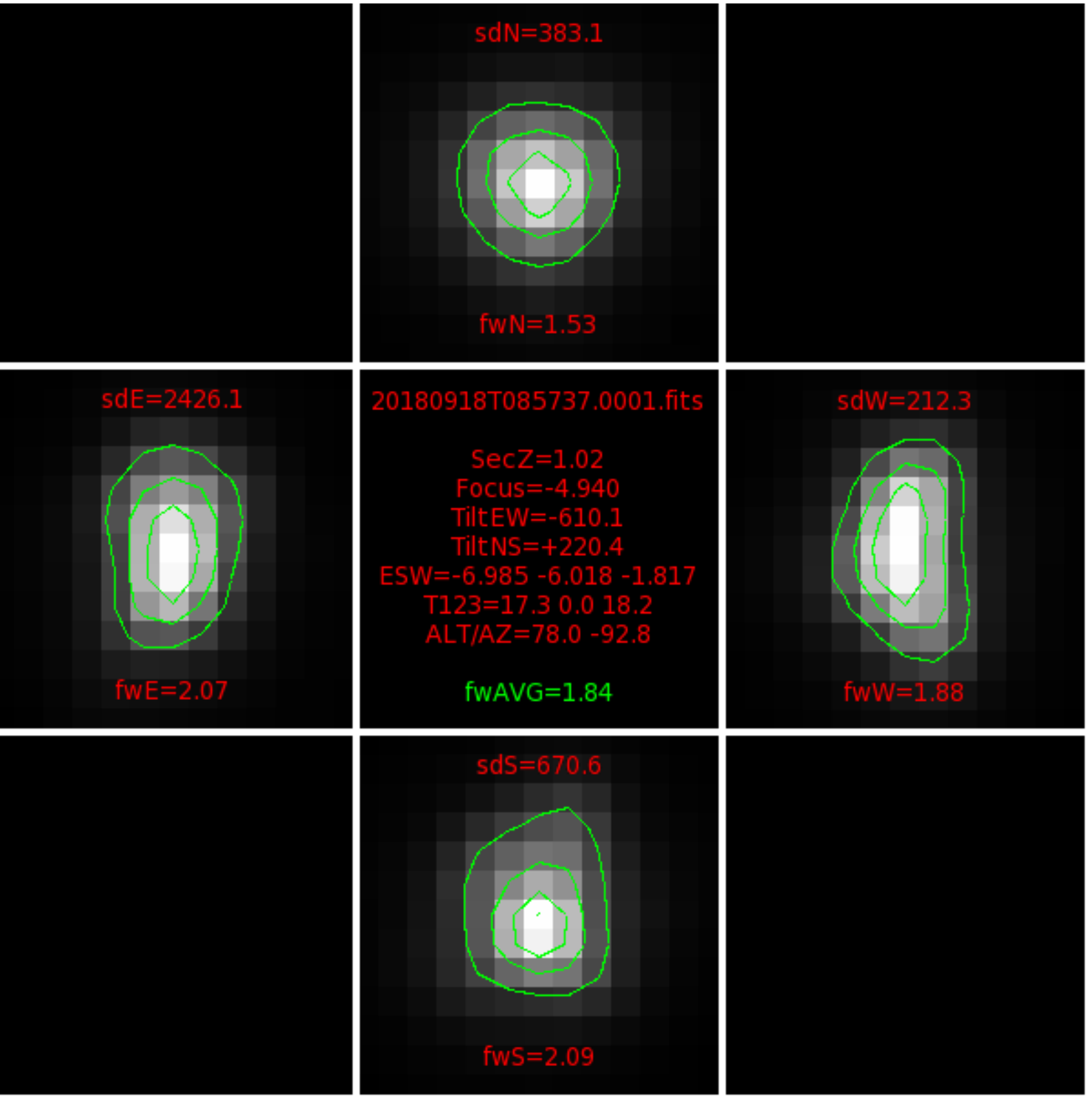
sdN=383.1
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sdE=2426.1
fwE=2.07
20180918T085737.0001.fits
SecZ=1.02
Focus=-4.940
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.985 -6.018 -1.817
T123=17.3 0.0 18.2
ALT/AZ=78.0 -92.8
fwAVG=1.84
sdW=212.3
fwW=1.88
sdS=670.6
fwS=2.09
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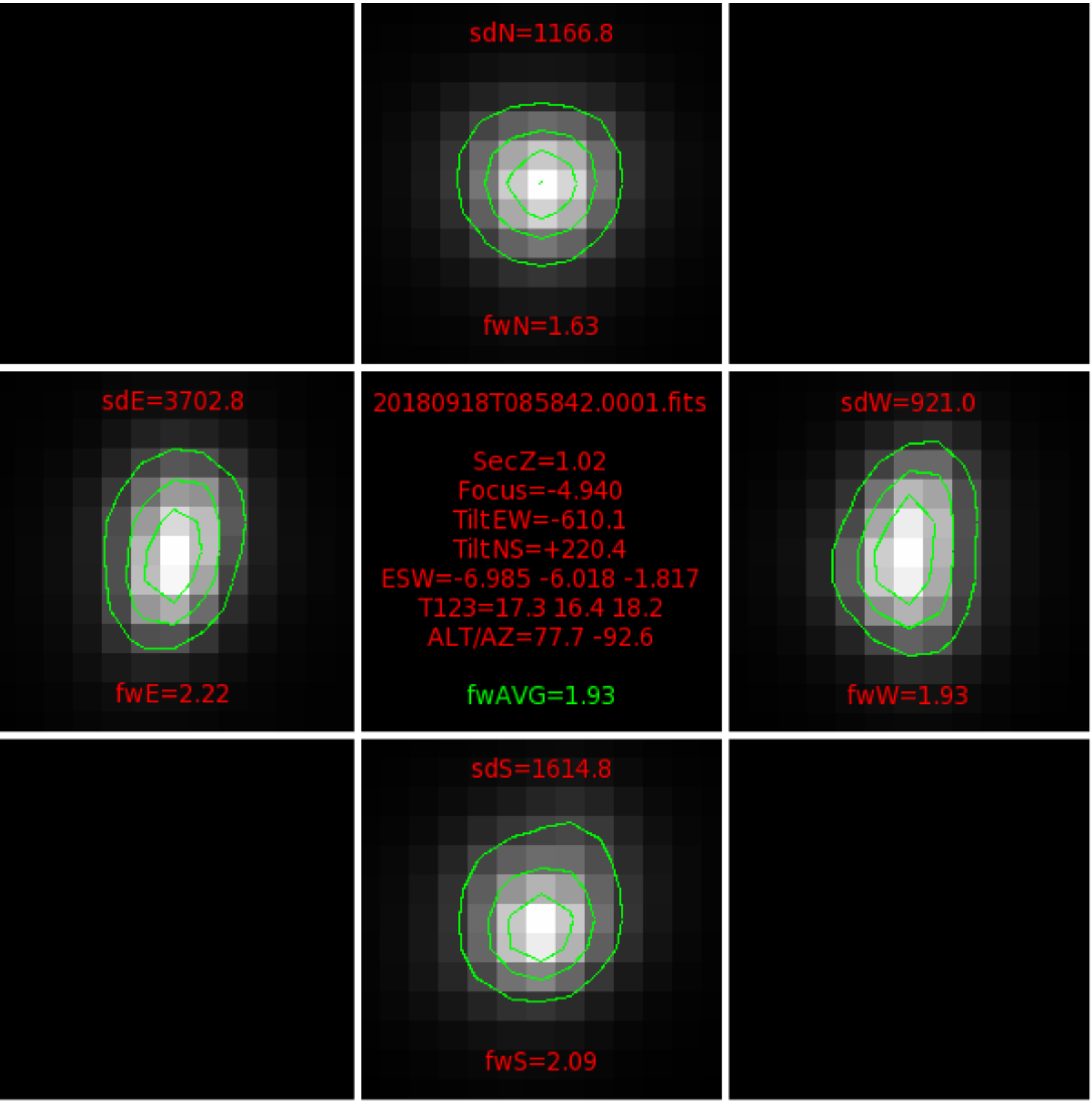
sdN=1166.8
fwN=1.63
sdE=3702.8
fwE=2.22
20180918T085842.0001.fits
SecZ=1.02
Focus=-4.940
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.985 -6.018 -1.817
T123=17.3 16.4 18.2
ALT/AZ=77.7 -92.6
fwAVG=1.93
sdW=921.0
fwW=1.93
sdS=1614.8
fwS=2.09
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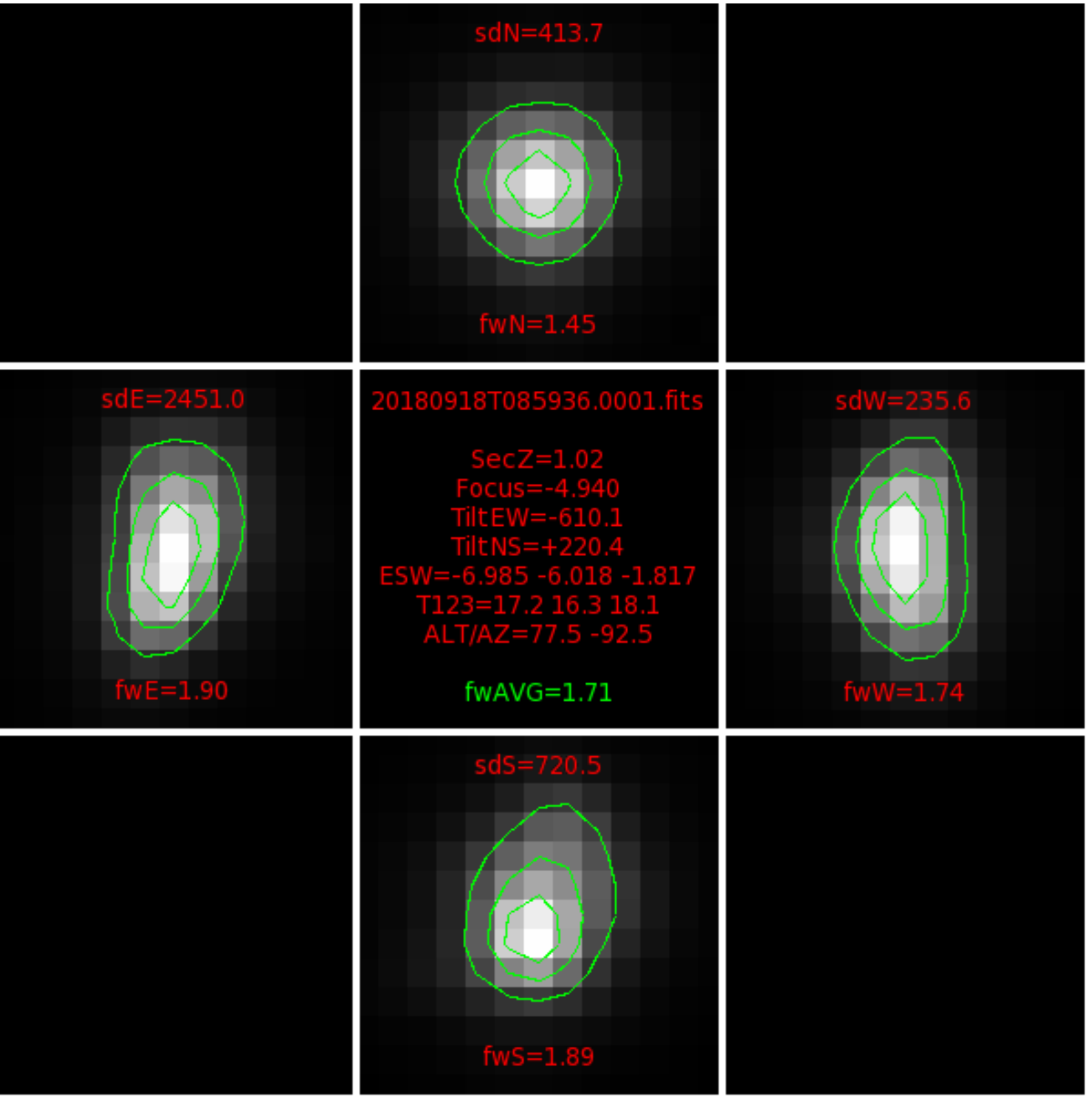
sdN=413.7
fwN=1.45
sdE=2451.0
fwE=1.90
20180918T085936.0001.fits
SecZ=1.02
Focus=-4.940
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.985 -6.018 -1.817
T123=17.2 16.3 18.1
ALT/AZ=77.5 -92.5
fwAVG=1.71
sdW=235.6
fwW=1.74
sdS=720.5
fwS=1.89
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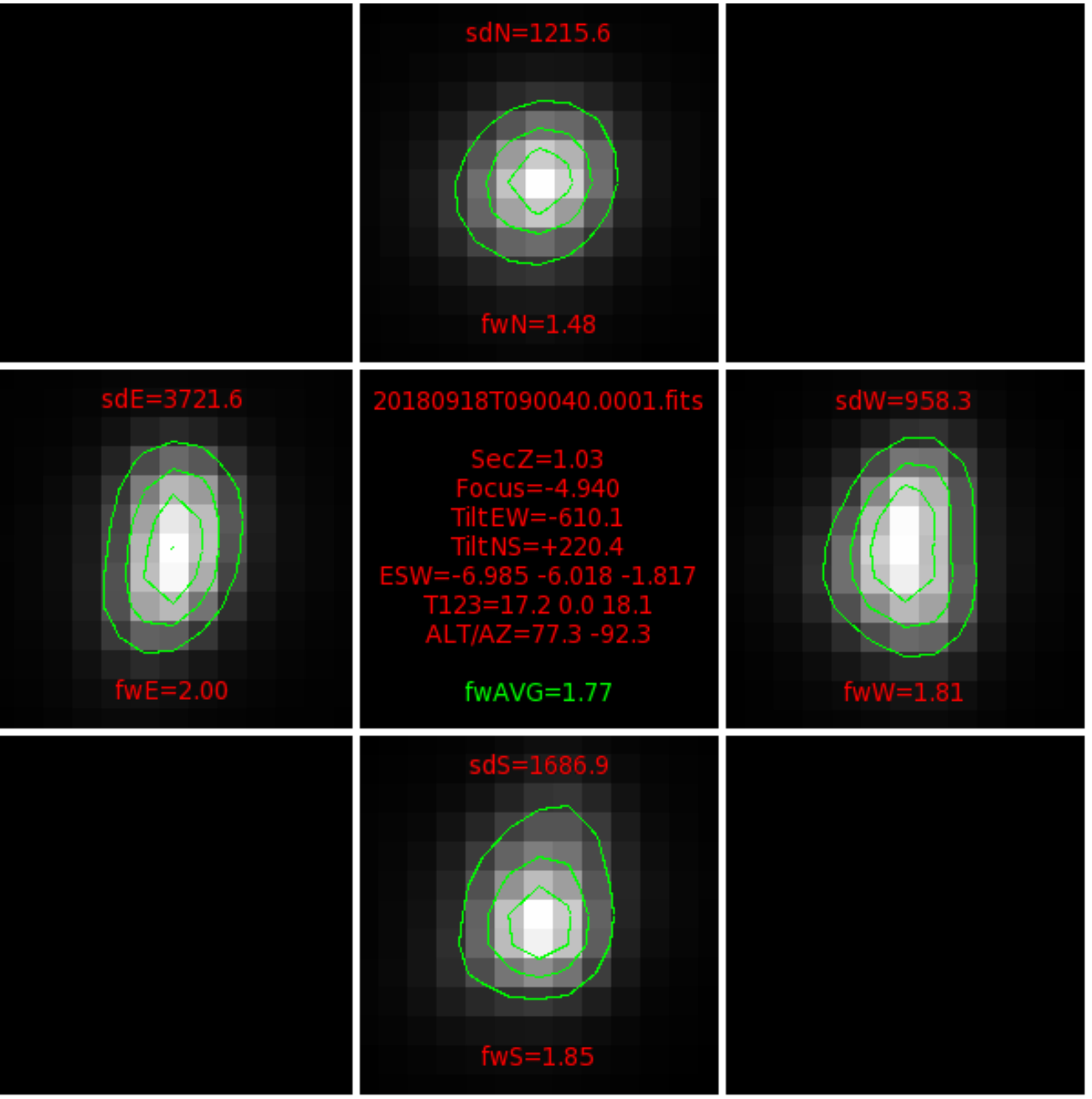
sdN=1215.6
fwN=1.48
sdE=3721.6
fwE=2.00
20180918T090040.0001.fits
SecZ=1.03
Focus=-4.940
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.985 -6.018 -1.817
T123=17.2 0.0 18.1
ALT/AZ=77.3 -92.3
fwAVG=1.77
sdW=958.3
fwW=1.81
sdS=1686.9
fwS=1.85
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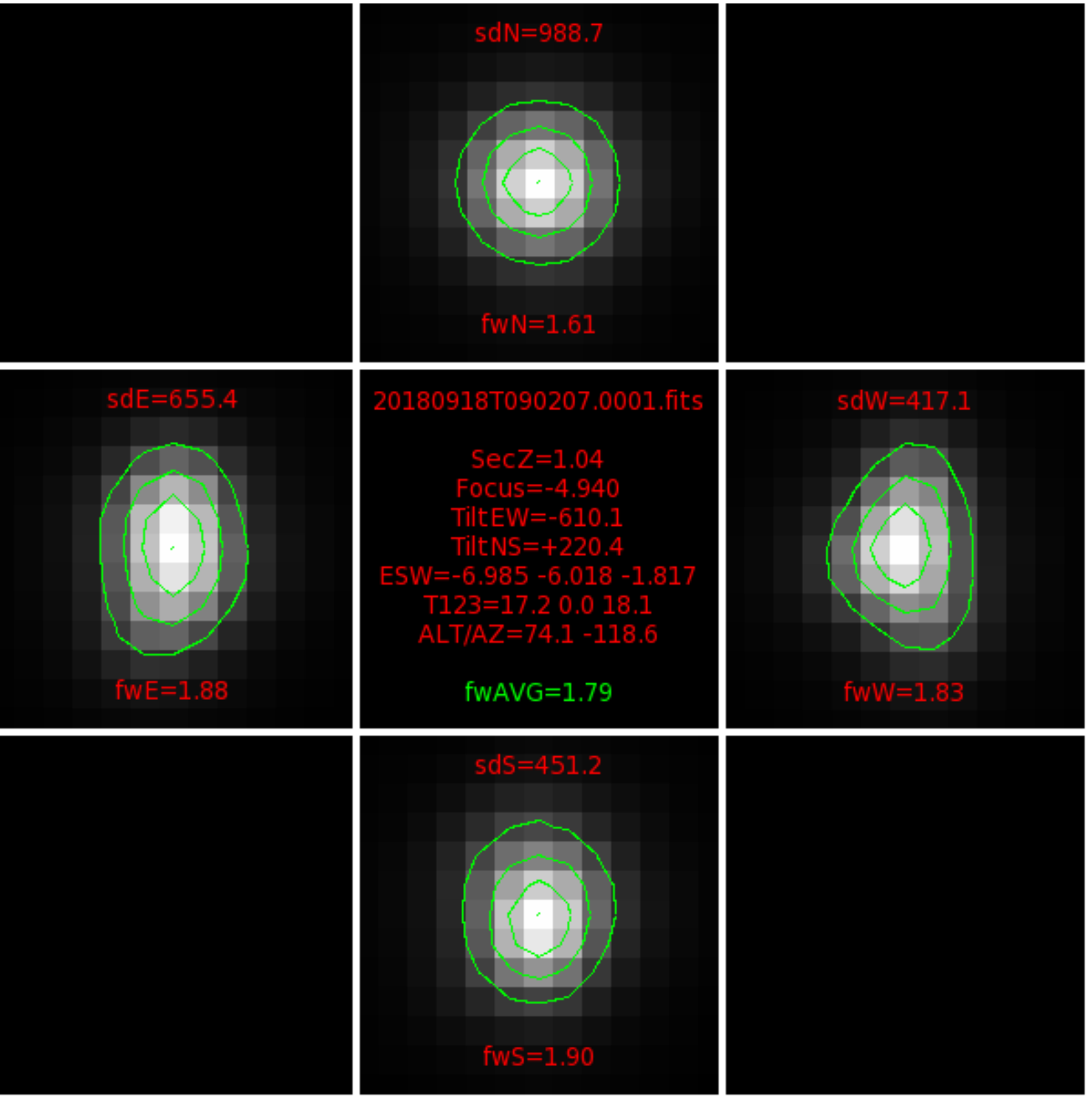
sdN=988.7
fwN=1.61
sdE=655.4
fwE=1.88
20180918T090207.0001.fits
SecZ=1.04
Focus=-4.940
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.985 -6.018 -1.817
T123=17.2 0.0 18.1
ALT/AZ=74.1 -118.6
fwAVG=1.79
sdW=417.1
fwW=1.83
sdS=451.2
fwS=1.90
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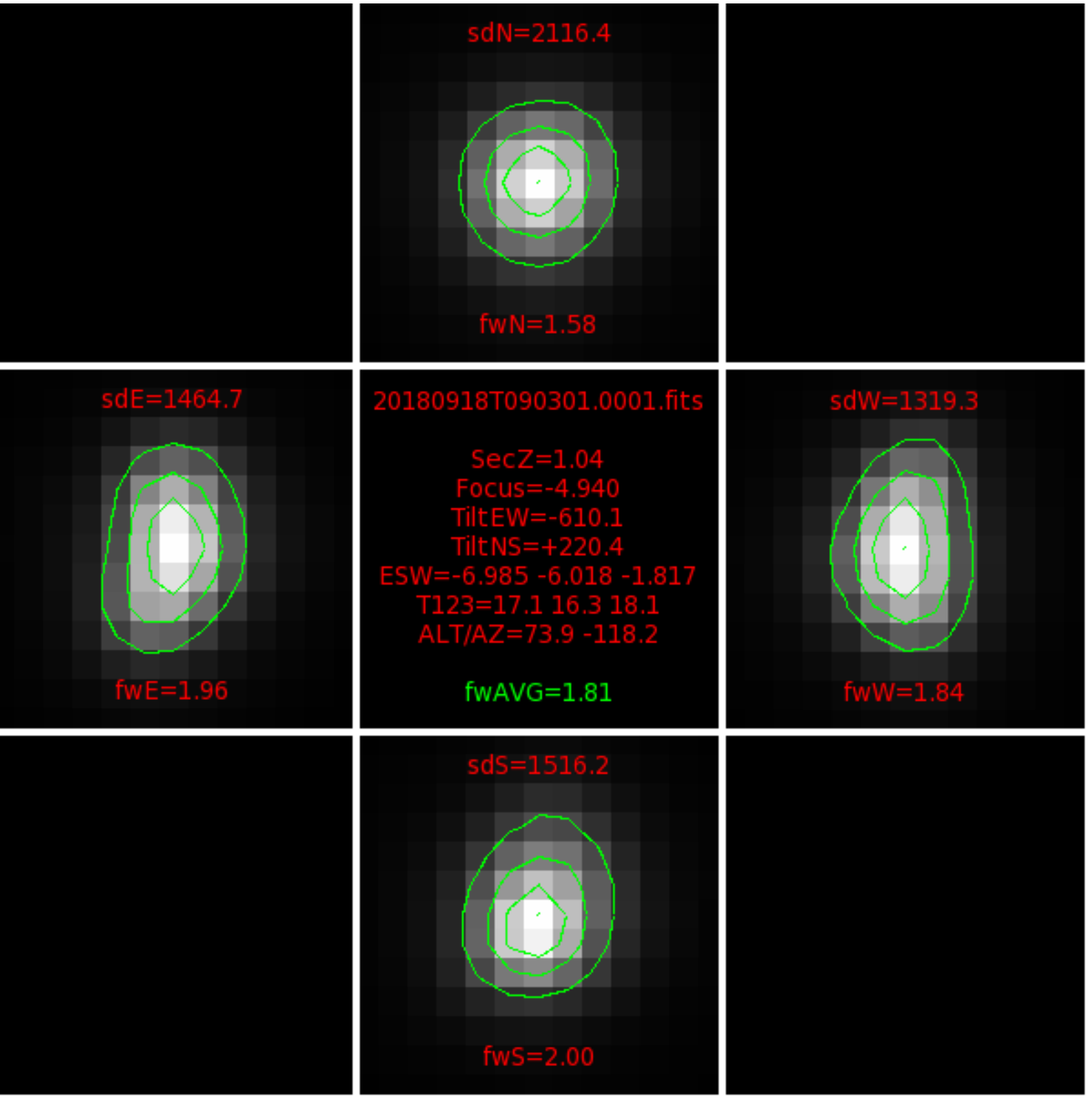
sdN=2116.4
fwN=1.58
sdE=1464.7
fwE=1.96
20180918T090301.0001.fits
SecZ=1.04
Focus=-4.940
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.985 -6.018 -1.817
T123=17.1 16.3 18.1
ALT/AZ=73.9 -118.2
fwAVG=1.81
sdW=1319.3
fwW=1.84
sdS=1516.2
fwS=2.00
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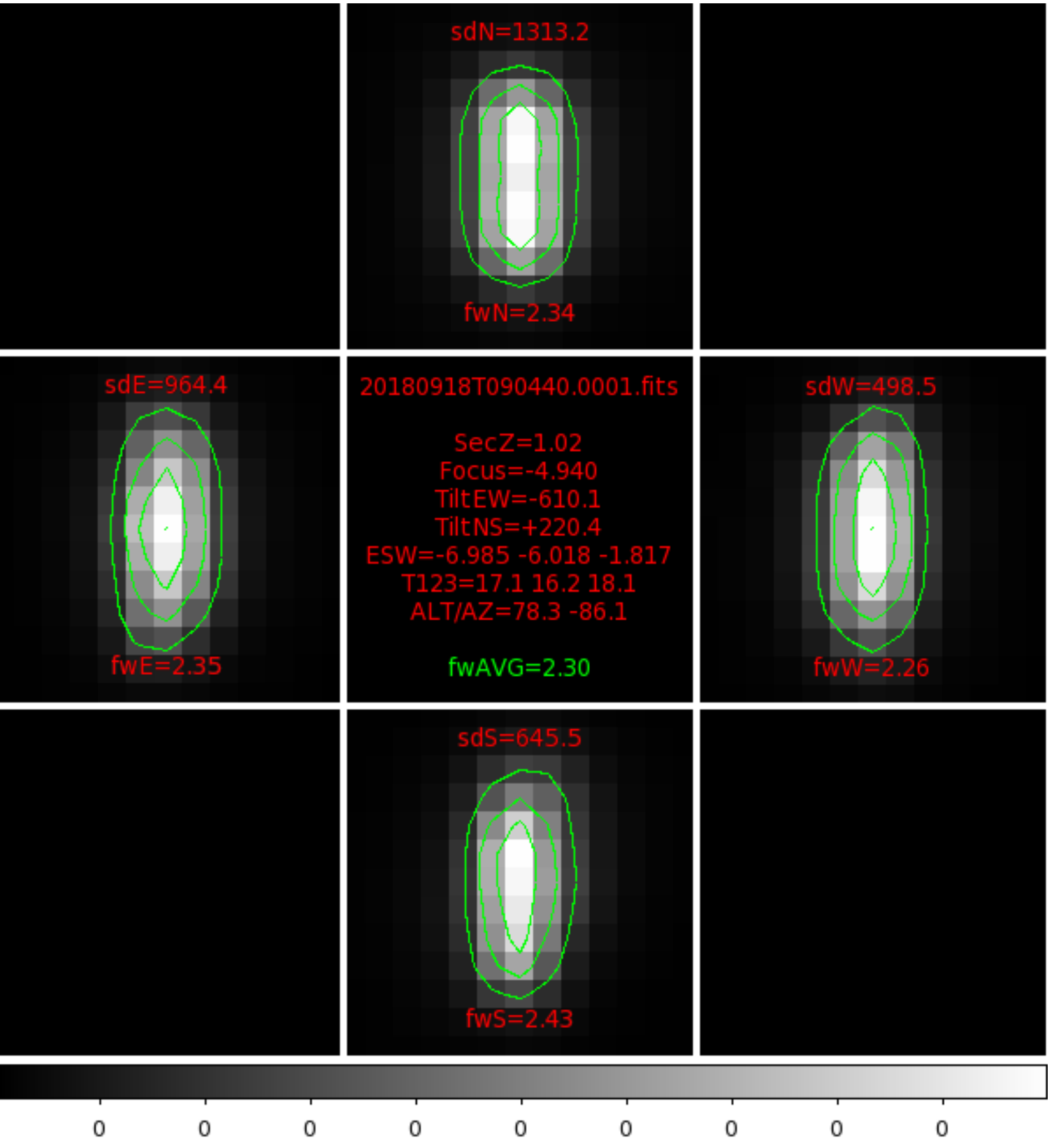
sdN=1313.2
fwN=2.34
sdE=964.4
fwE=2.35
20180918T090440.0001.fits
SecZ=1.02
Focus=-4.940
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.985 -6.018 -1.817
T123=17.1 16.2 18.1
ALT/AZ=78.3 -86.1
fwAVG=2.30
sdW=498.5
fwW=2.26
sdS=645.5
fwS=2.43
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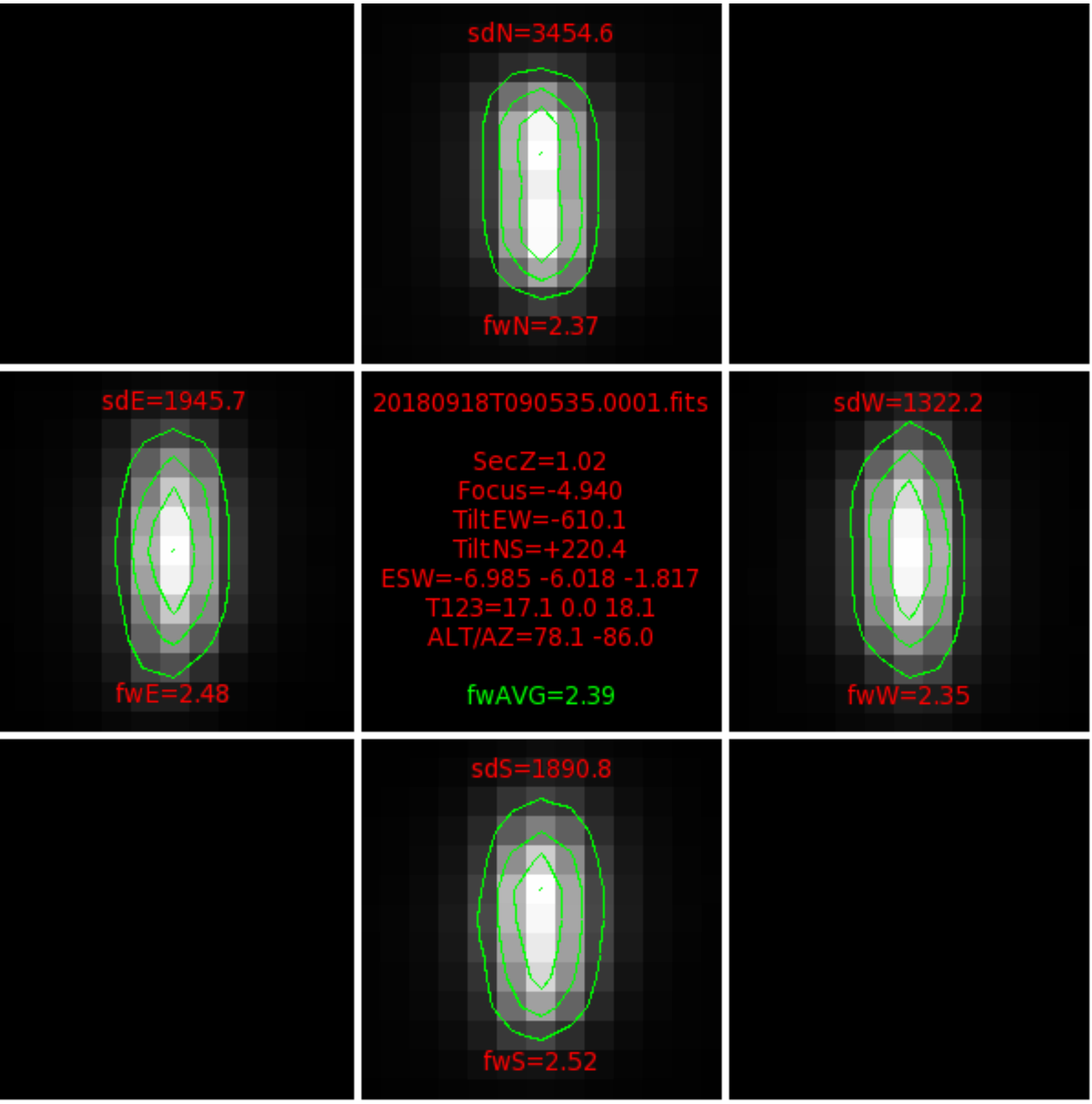
sdN=3454.6
fwN=2.37
sdE=1945.7
fwE=2.48
20180918T090535.0001.fits
SecZ=1.02
Focus=-4.940
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.985 -6.018 -1.817
T123=17.1 0.0 18.1
ALT/AZ=78.1 -86.0
fwAVG=2.39
sdW=1322.2
fwW=2.35
sdS=1890.8
fwS=2.52
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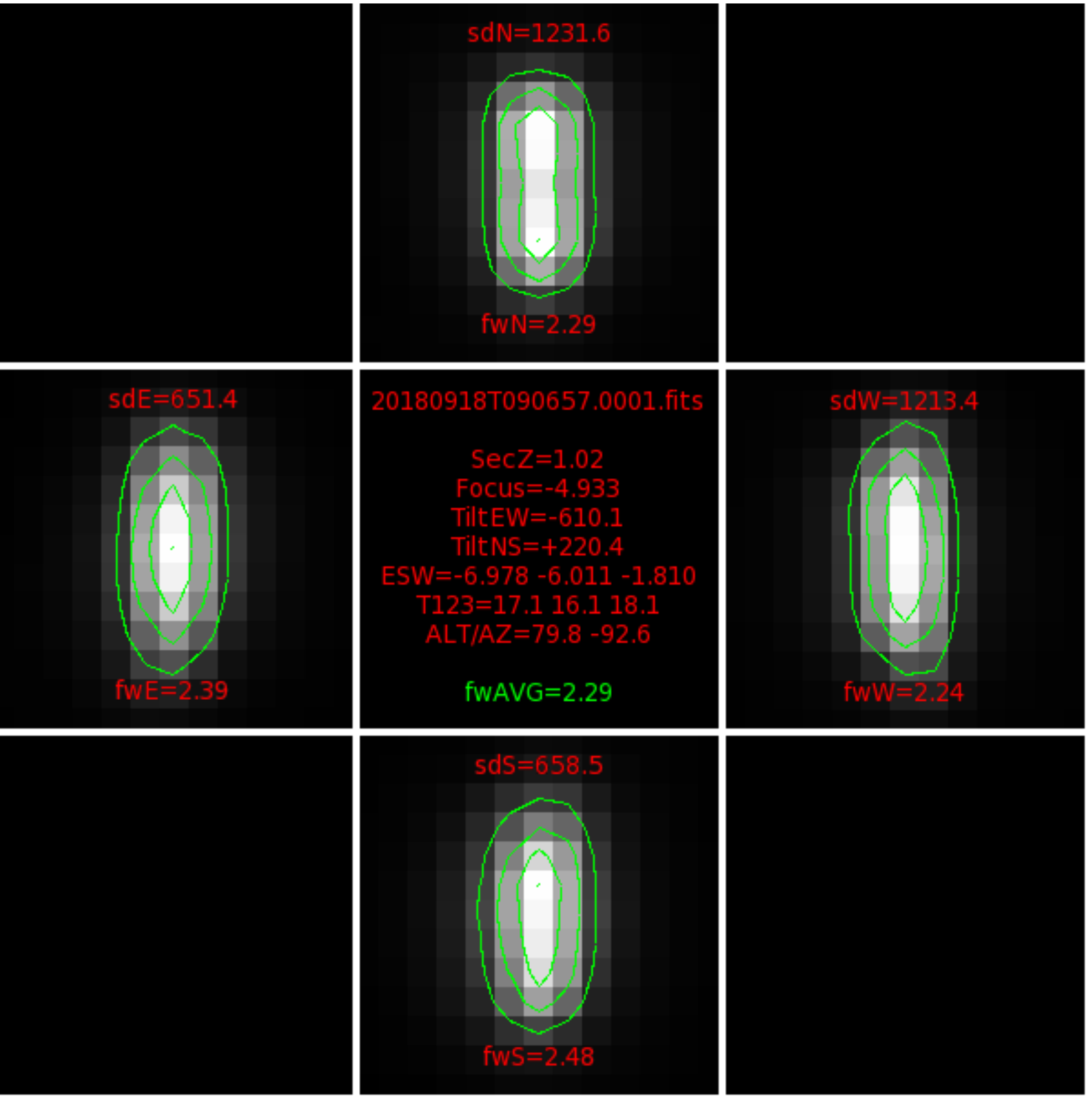
sdN=1231.6
fwN=2.29
sdE=651.4
fwE=2.39
20180918T090657.0001.fits
SecZ=1.02
Focus=-4.933
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.978 -6.011 -1.810
T123=17.1 16.1 18.1
ALT/AZ=79.8 -92.6
fwAVG=2.29
sdW=1213.4
fwW=2.24
sdS=658.5
fwS=2.48
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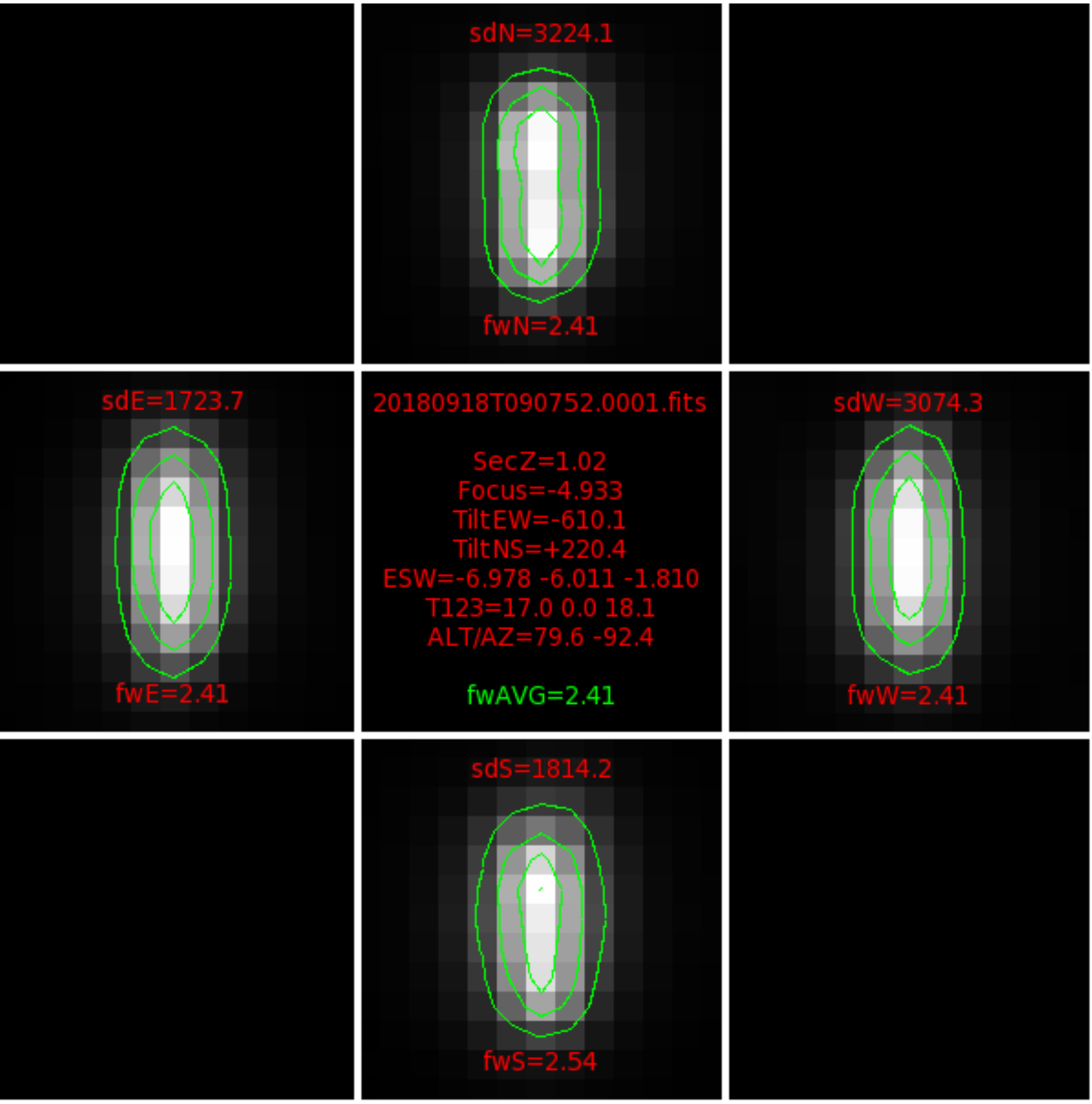
sdN=3224.1
fwN=2.41
sdE=1723.7
fwE=2.41
20180918T090752.0001.fits
SecZ=1.02
Focus=-4.933
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.978 -6.011 -1.810
T123=17.0 0.0 18.1
ALT/AZ=79.6 -92.4
fwAVG=2.41
sdW=3074.3
fwW=2.41
sdS=1814.2
fwS=2.54
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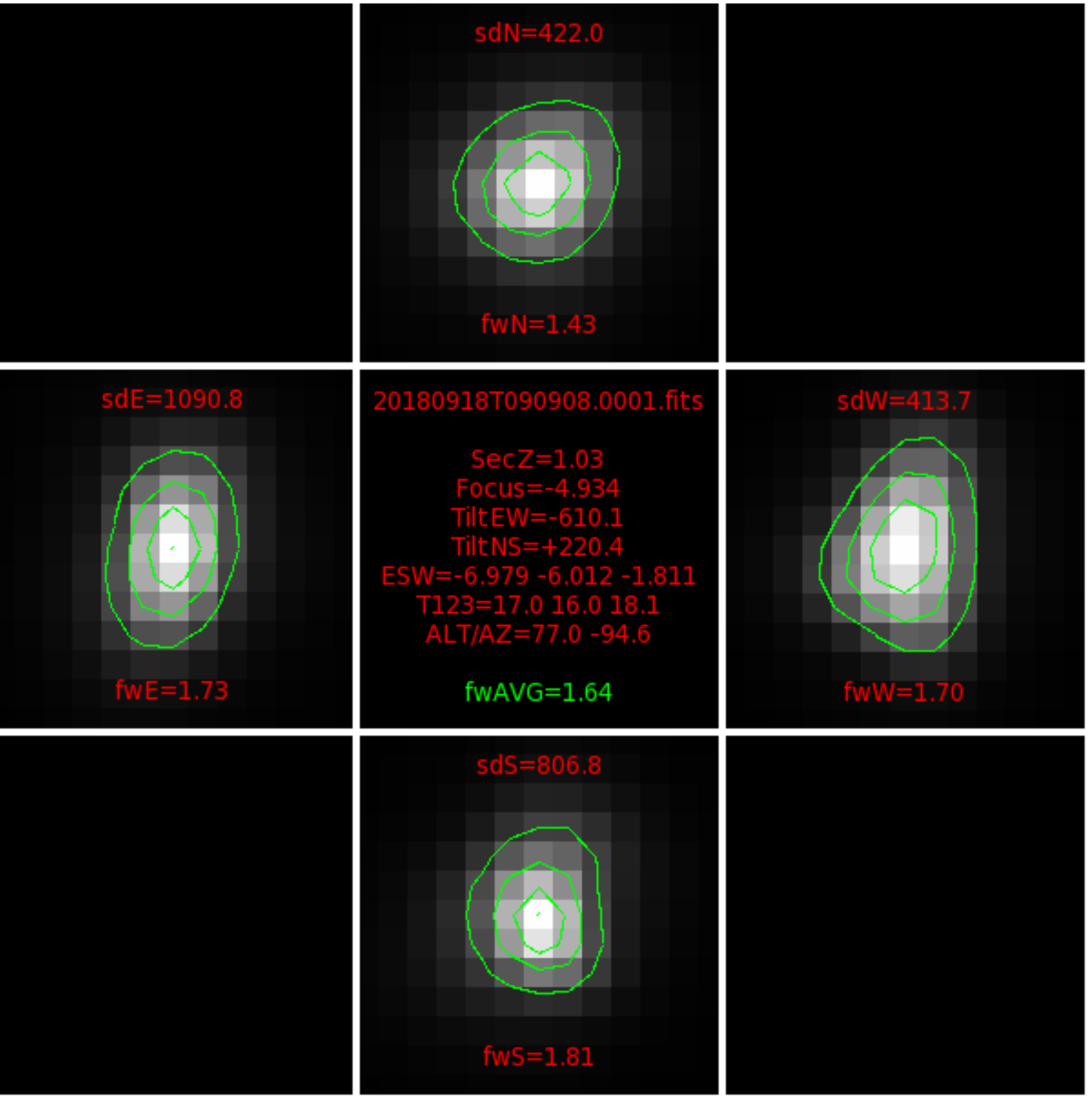
sdN=422.0
fwN=1.43
sdE=1090.8
fwE=1.73
20180918T090908.0001.fits
SecZ=1.03
Focus=-4.934
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.979 -6.012 -1.811
T123=17.0 16.0 18.1
ALT/AZ=77.0 -94.6
fwAVG=1.64
sdW=413.7
fwW=1.70
sdS=806.8
fwS=1.81
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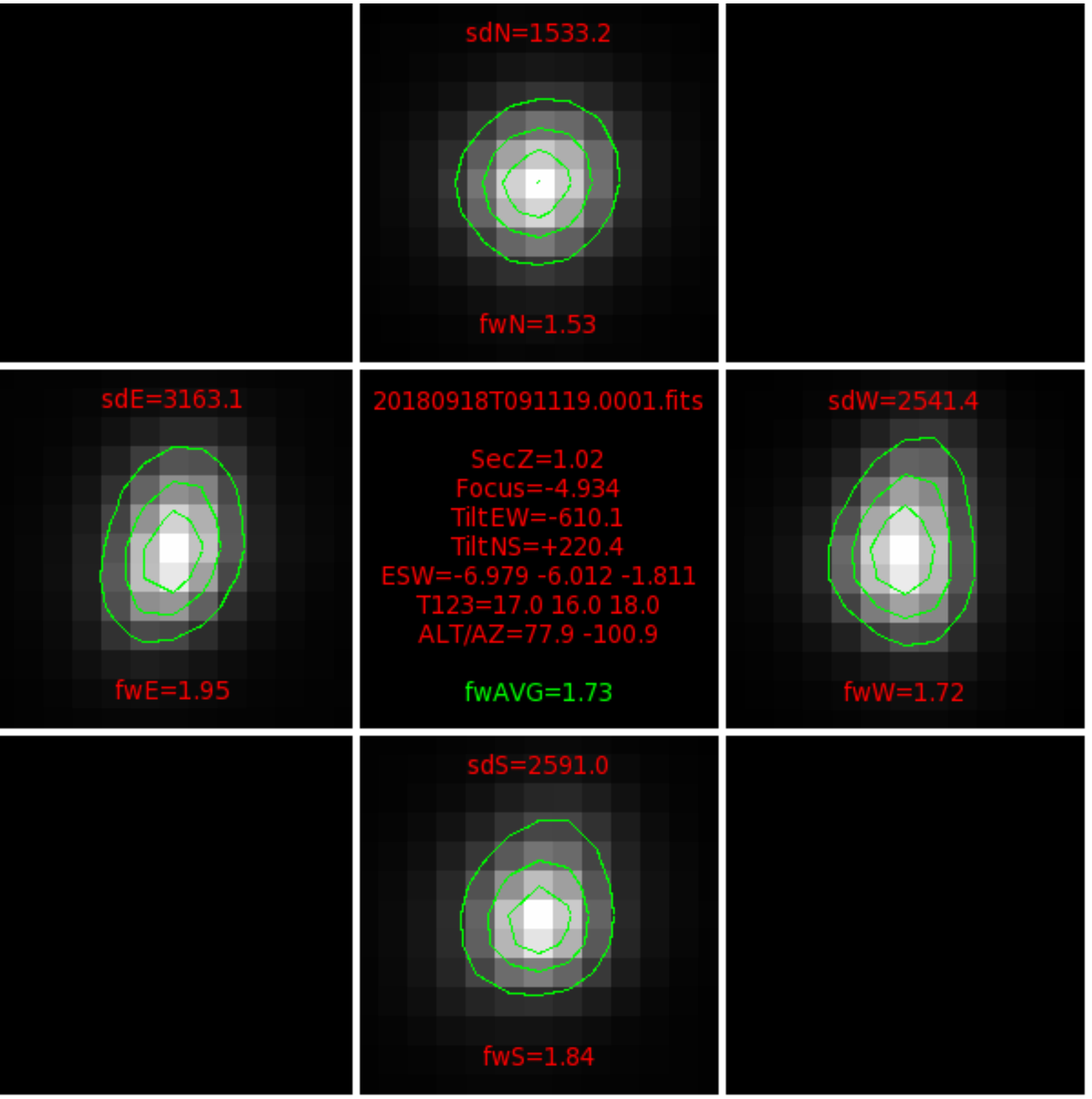
sdN=1533.2
fwN=1.53
sdE=3163.1
fwE=1.95
20180918T091119.0001.fits
SecZ=1.02
Focus=-4.934
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.979 -6.012 -1.811
T123=17.0 16.0 18.0
ALT/AZ=77.9 -100.9
fwAVG=1.73
sdW=2541.4
fwW=1.72
sdS=2591.0
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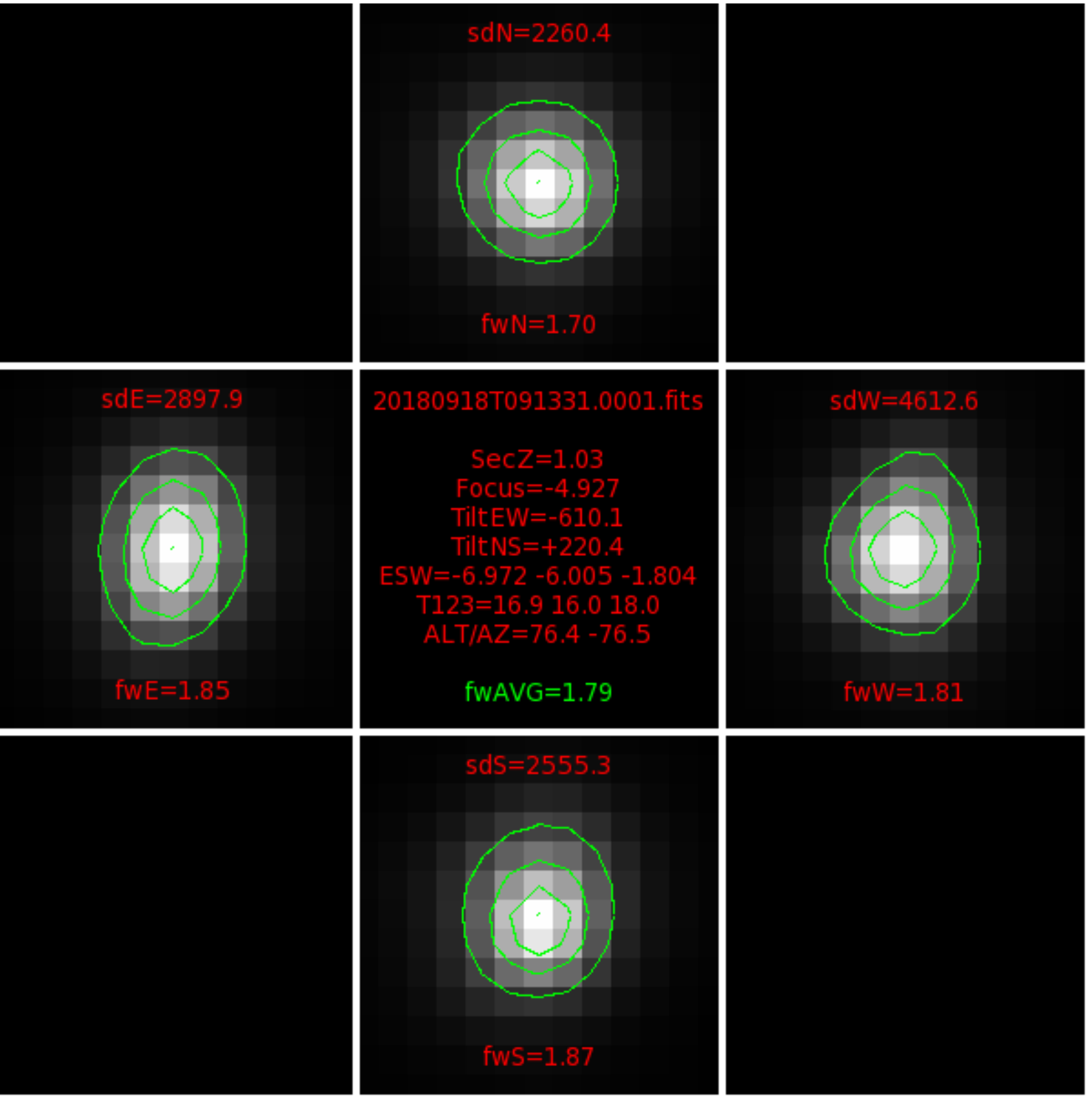
sdN=2260.4
fwN=1.70
sdE=2897.9
fwE=1.85
20180918T091331.0001.fits
SecZ=1.03
Focus=-4.927
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.972 -6.005 -1.804
T123=16.9 16.0 18.0
ALT/AZ=76.4 -76.5
fwAVG=1.79
sdW=4612.6
fwW=1.81
sdS=2555.3
fwS=1.87
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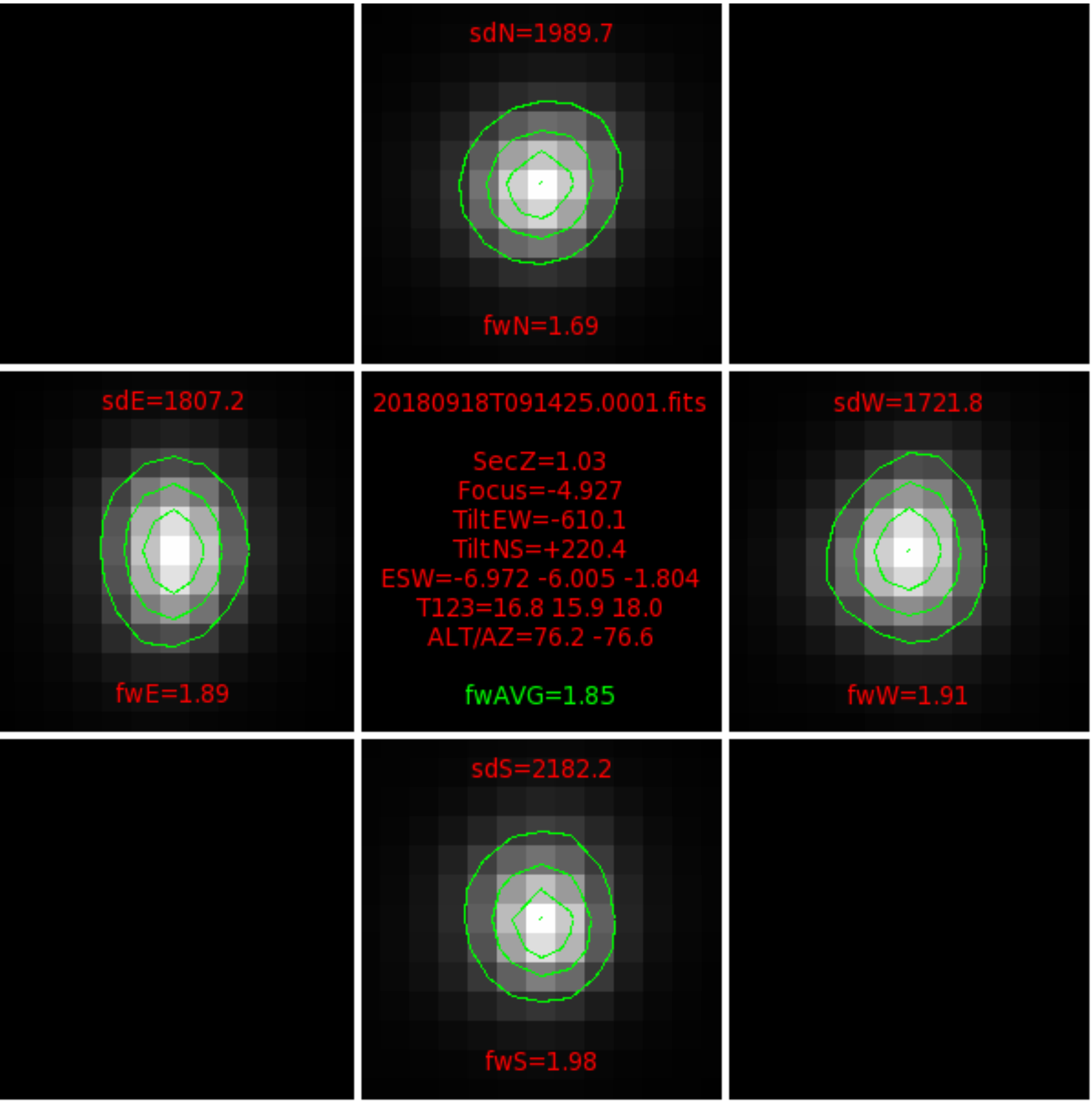
sdN=1989.7
fwN=1.69
sdE=1807.2
fwE=1.89
20180918T091425.0001.fits
SecZ=1.03
Focus=-4.927
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.972 -6.005 -1.804
T123=16.8 15.9 18.0
ALT/AZ=76.2 -76.6
fwAVG=1.85
sdW=1721.8
fwW=1.91
sdS=2182.2
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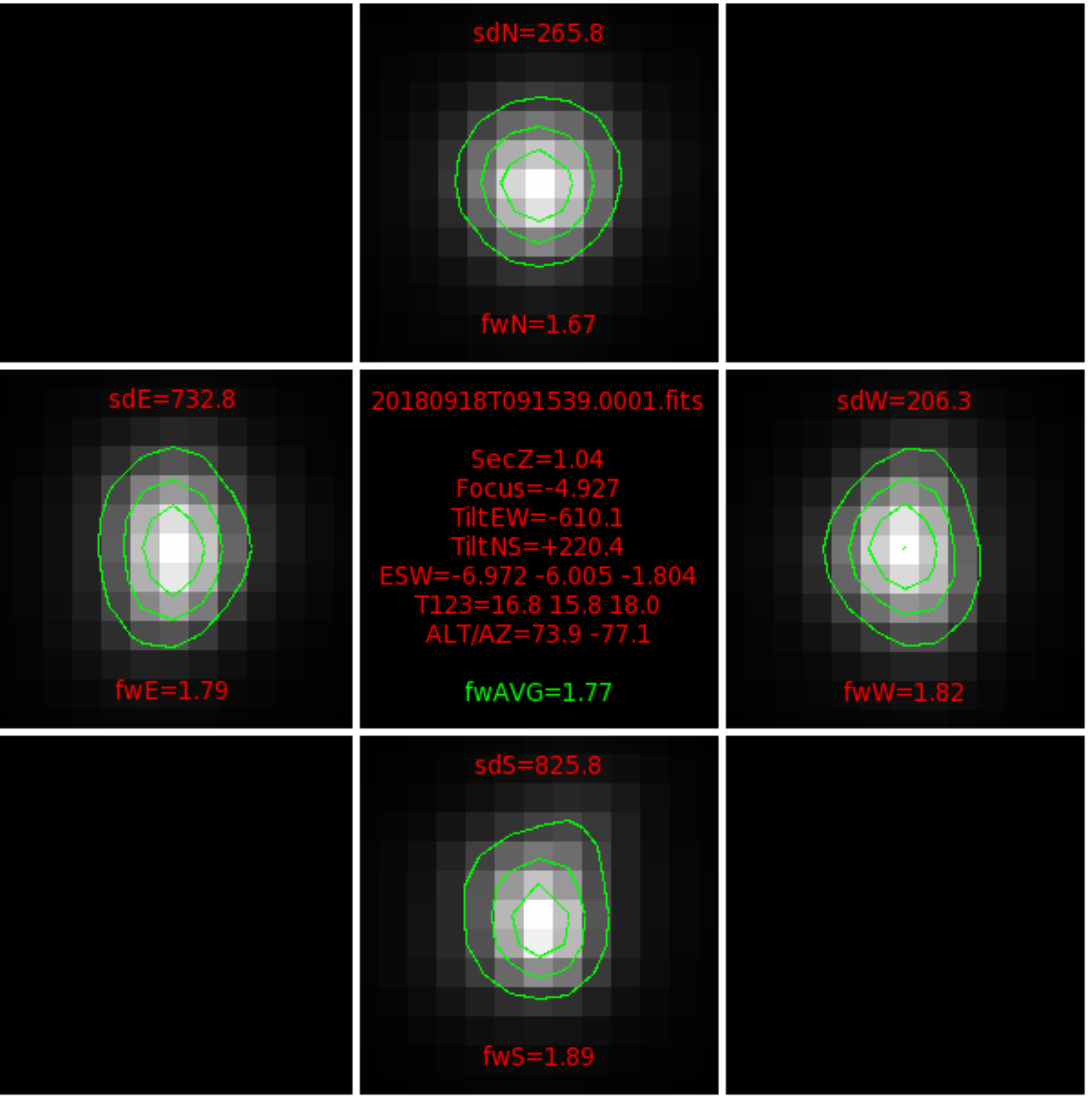
sdN=265.8
fwN=1.67
sdE=732.8
fwE=1.79
20180918T091539.0001.fits
SecZ=1.04
Focus=-4.927
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.972 -6.005 -1.804
T123=16.8 15.8 18.0
ALT/AZ=73.9 -77.1
fwAVG=1.77
sdW=206.3
fwW=1.82
sdS=825.8
fwS=1.89
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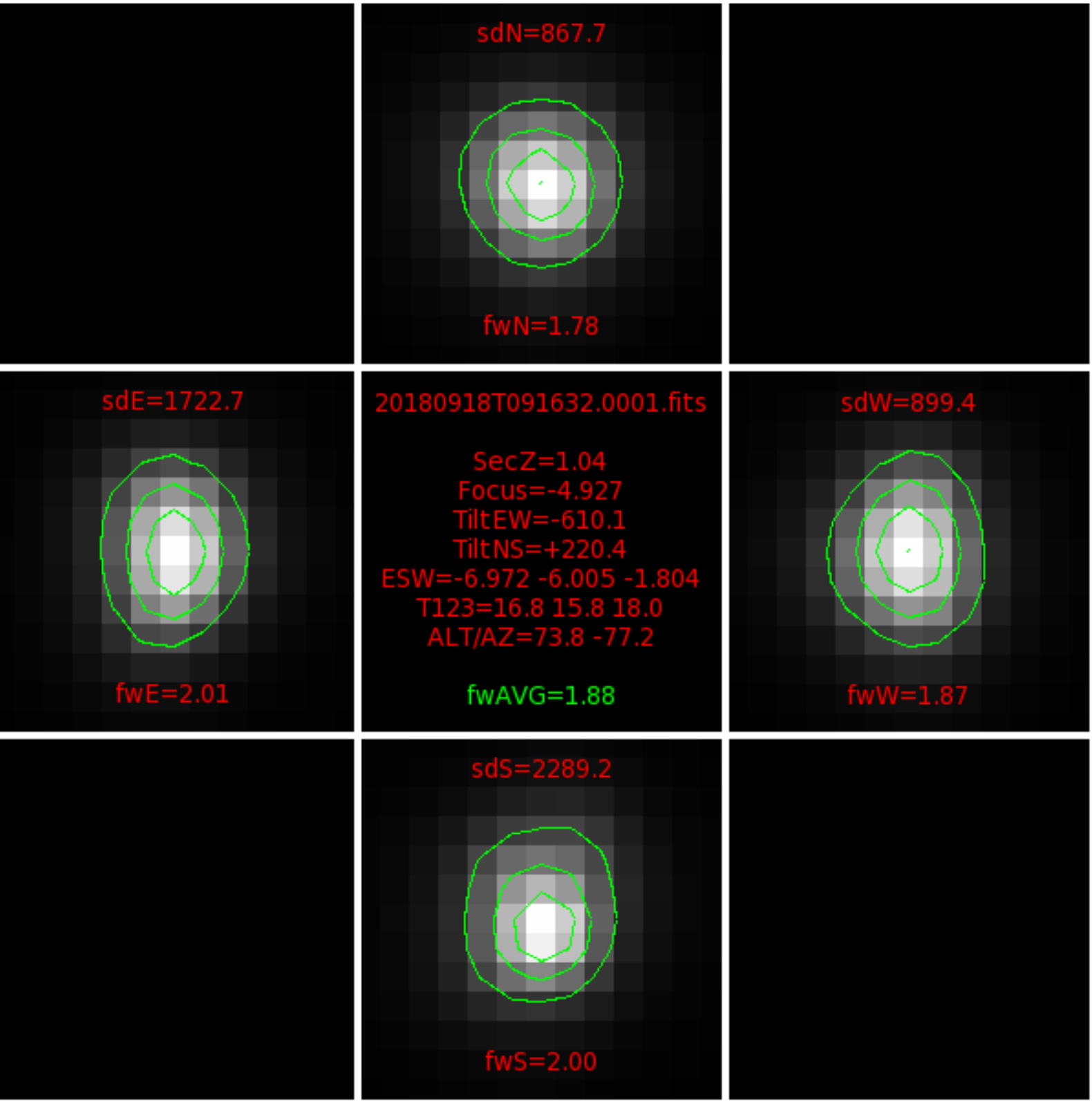
sdN=867.7
fwN=1.78
sdE=1722.7
fwE=2.01
20180918T091632.0001.fits
SecZ=1.04
Focus=-4.927
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.972 -6.005 -1.804
T123=16.8 15.8 18.0
ALT/AZ=73.8 -77.2
fwAVG=1.88
sdW=899.4
fwW=1.87
sdS=2289.2
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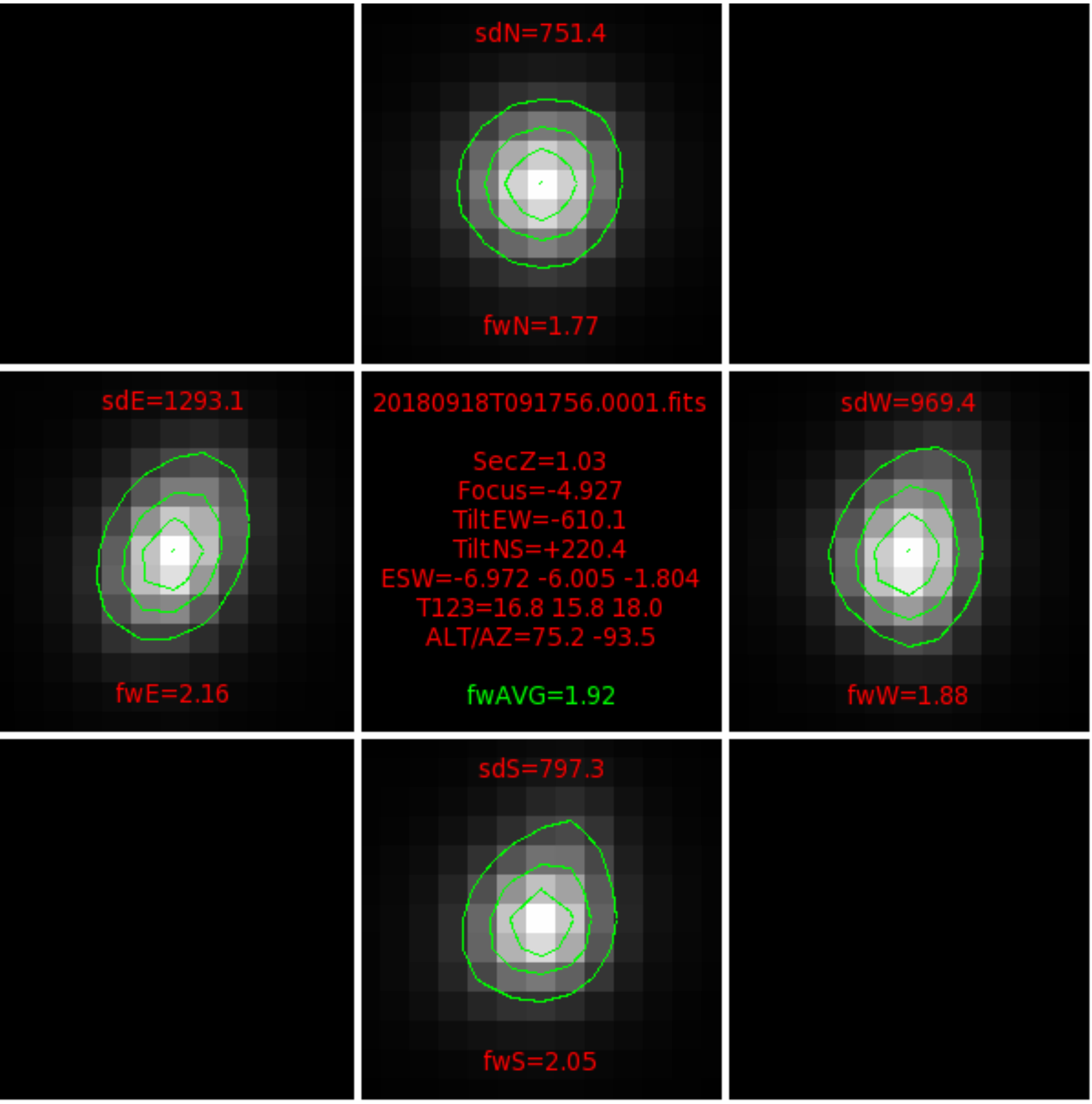
sdN=751.4
fwN=1.77
sdE=1293.1
fwE=2.16
20180918T091756.0001.fits
SecZ=1.03
Focus=-4.927
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.972 -6.005 -1.804
T123=16.8 15.8 18.0
ALT/AZ=75.2 -93.5
fwAVG=1.92
sdW=969.4
fwW=1.88
sdS=797.3
fwS=2.05
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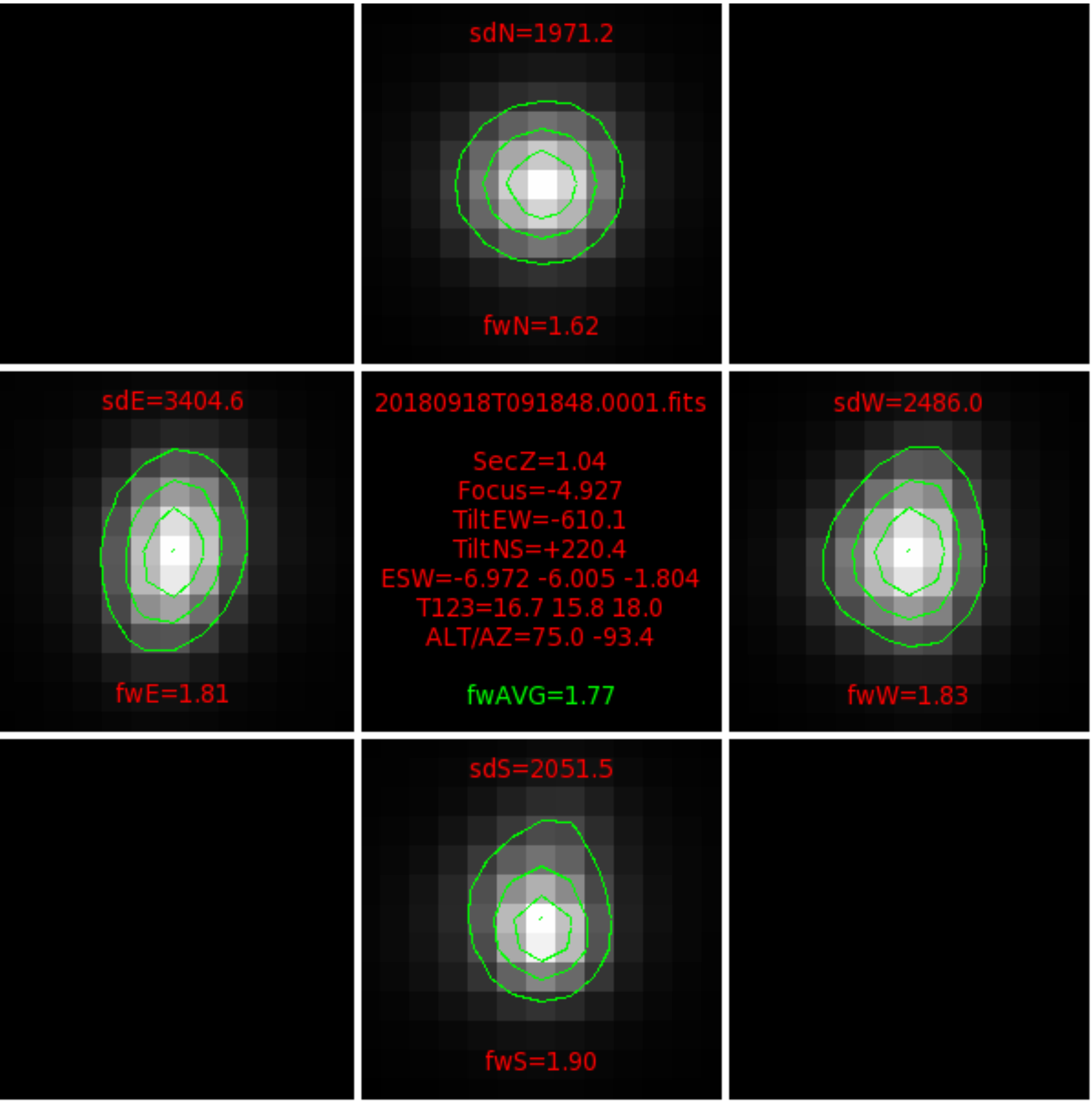
sdN=1971.2
fwN=1.62
sdE=3404.6
fwE=1.81
20180918T091848.0001.fits
SecZ=1.04
Focus=-4.927
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.972 -6.005 -1.804
T123=16.7 15.8 18.0
ALT/AZ=75.0 -93.4
fwAVG=1.77
sdW=2486.0
fwW=1.83
sdS=2051.5
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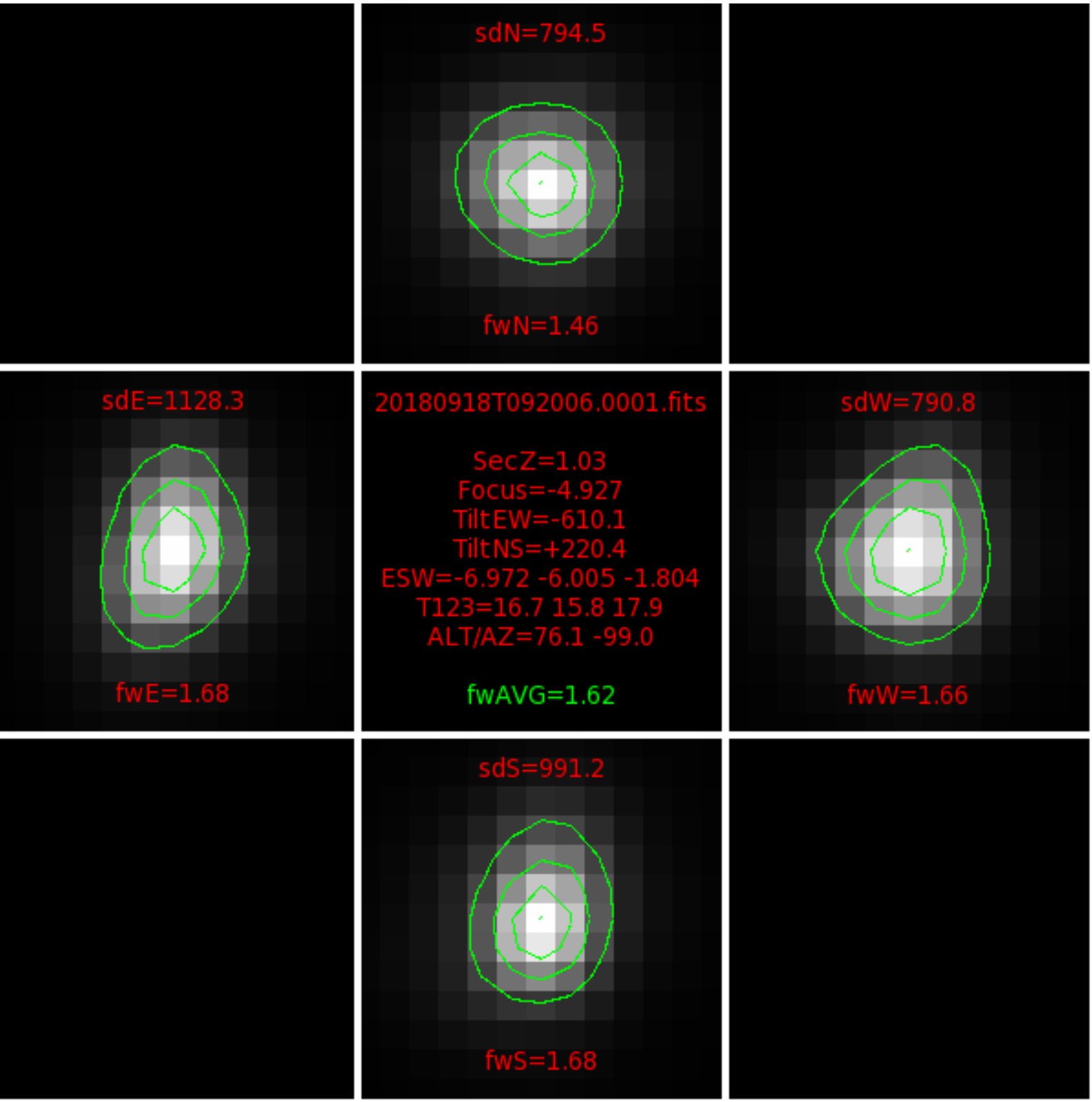
sdN=794.5
fwN=1.46
sdE=1128.3
fwE=1.68
20180918T092006.0001.fits
SecZ=1.03
Focus=-4.927
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.972 -6.005 -1.804
T123=16.7 15.8 17.9
ALT/AZ=76.1 -99.0
fwAVG=1.62
sdW=790.8
fwW=1.66
sdS=991.2
fwS=1.68
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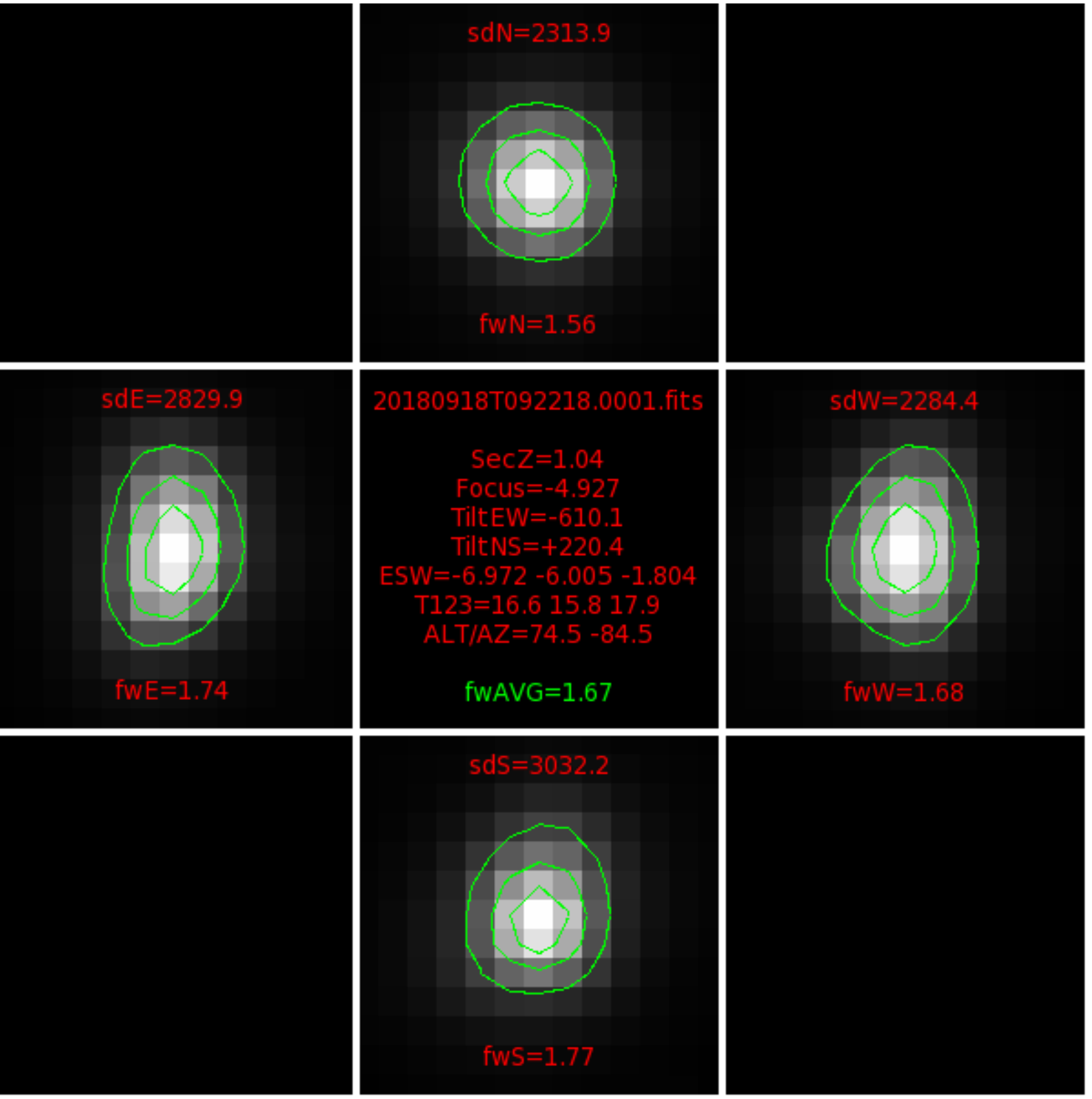
sdN=2313.9
fwN=1.56
sdE=2829.9
fwE=1.74
20180918T092218.0001.fits
SecZ=1.04
Focus=-4.927
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.972 -6.005 -1.804
T123=16.6 15.8 17.9
ALT/AZ=74.5 -84.5
fwAVG=1.67
sdW=2284.4
fwW=1.68
sdS=3032.2
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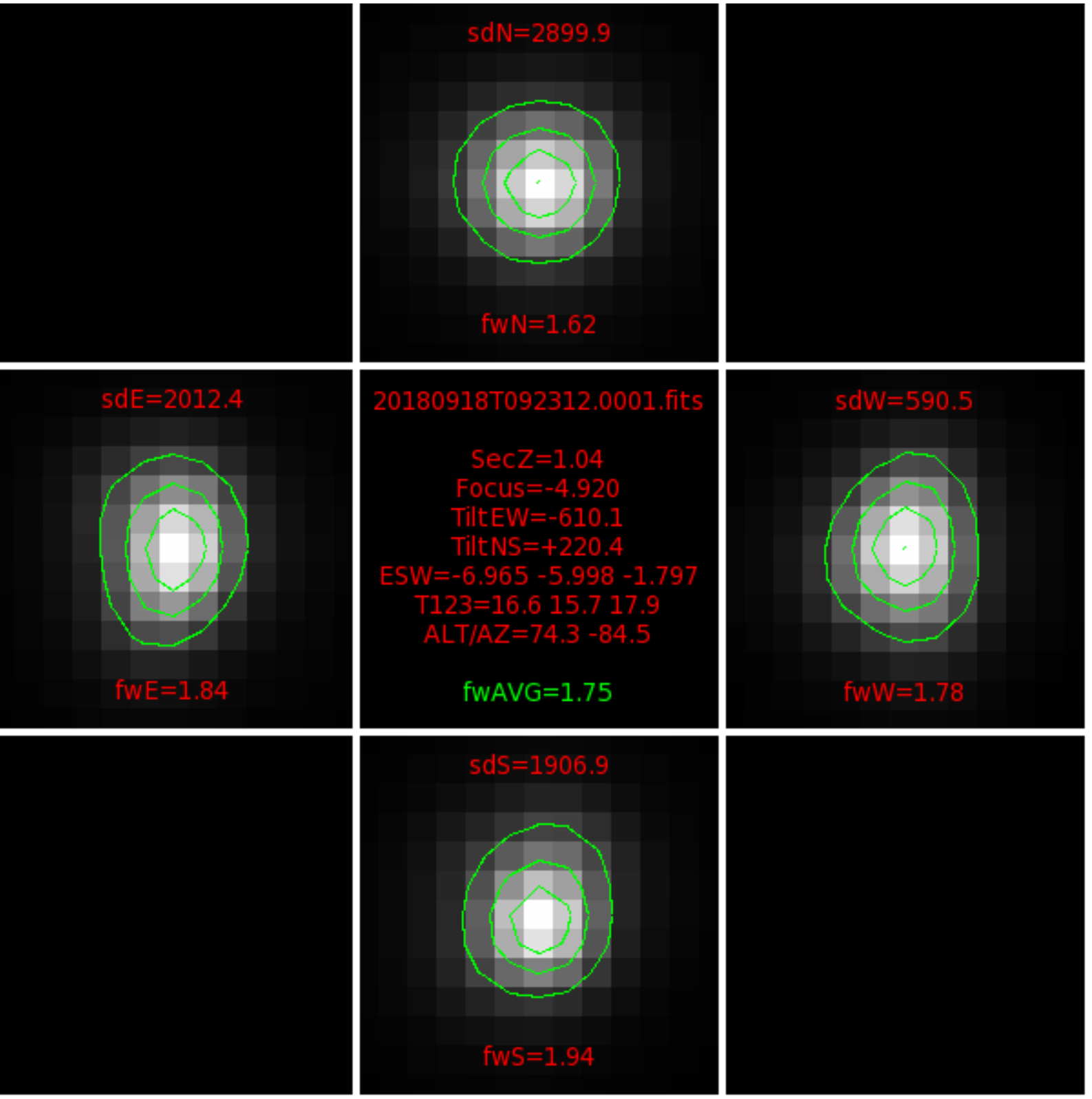
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fwN=1.62
sdE=2012.4
fwE=1.84
20180918T092312.0001.fits
SecZ=1.04
Focus=-4.920
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.965 -5.998 -1.797
T123=16.6 15.7 17.9
ALT/AZ=74.3 -84.5
fwAVG=1.75
sdW=590.5
fwW=1.78
sdS=1906.9
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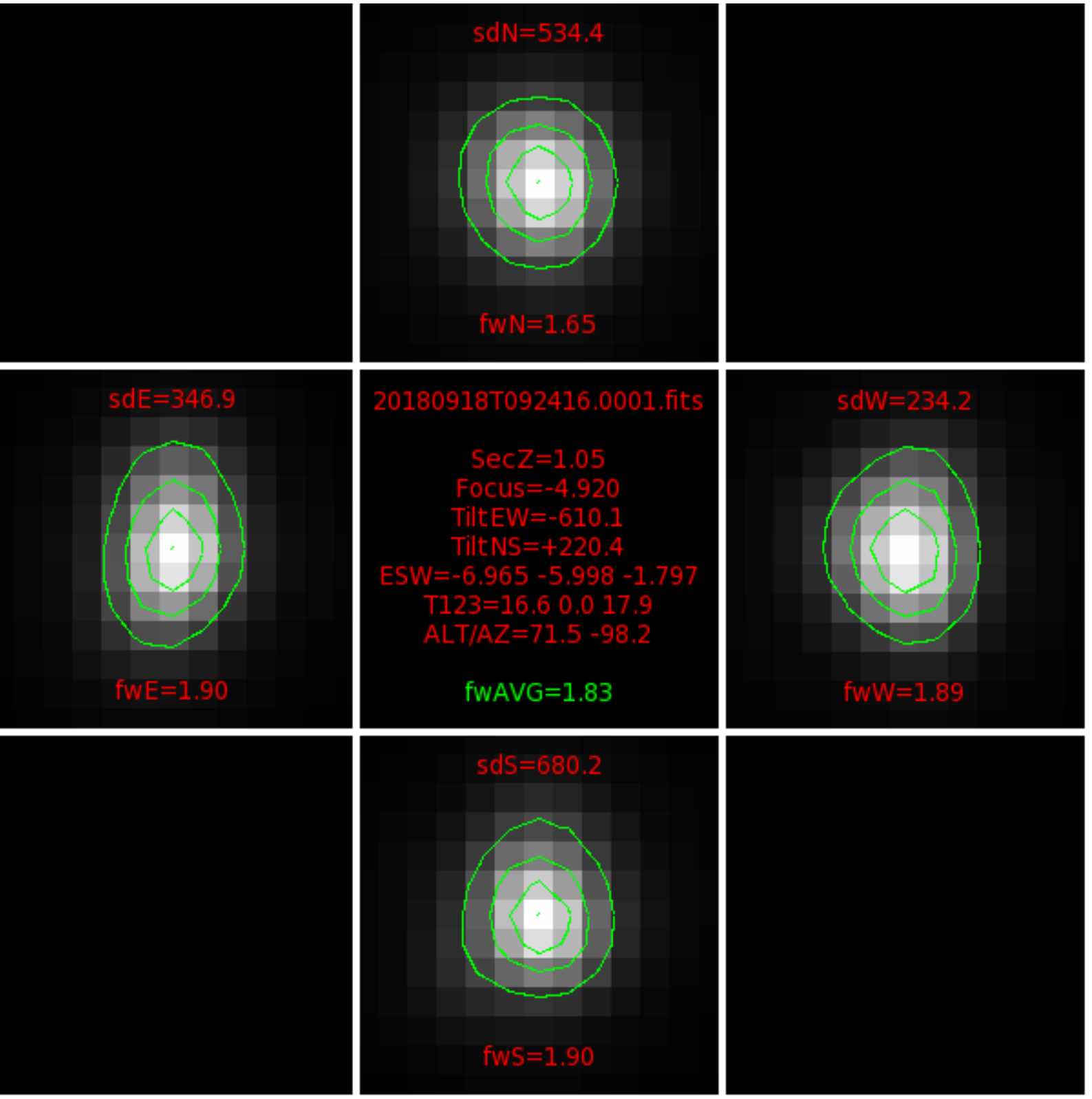
sdN=534.4
fwN=1.65
sdE=346.9
fwE=1.90
20180918T092416.0001.fits
SecZ=1.05
Focus=-4.920
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.965 -5.998 -1.797
T123=16.6 0.0 17.9
ALT/AZ=71.5 -98.2
fwAVG=1.83
sdW=234.2
fwW=1.89
sdS=680.2
fwS=1.90
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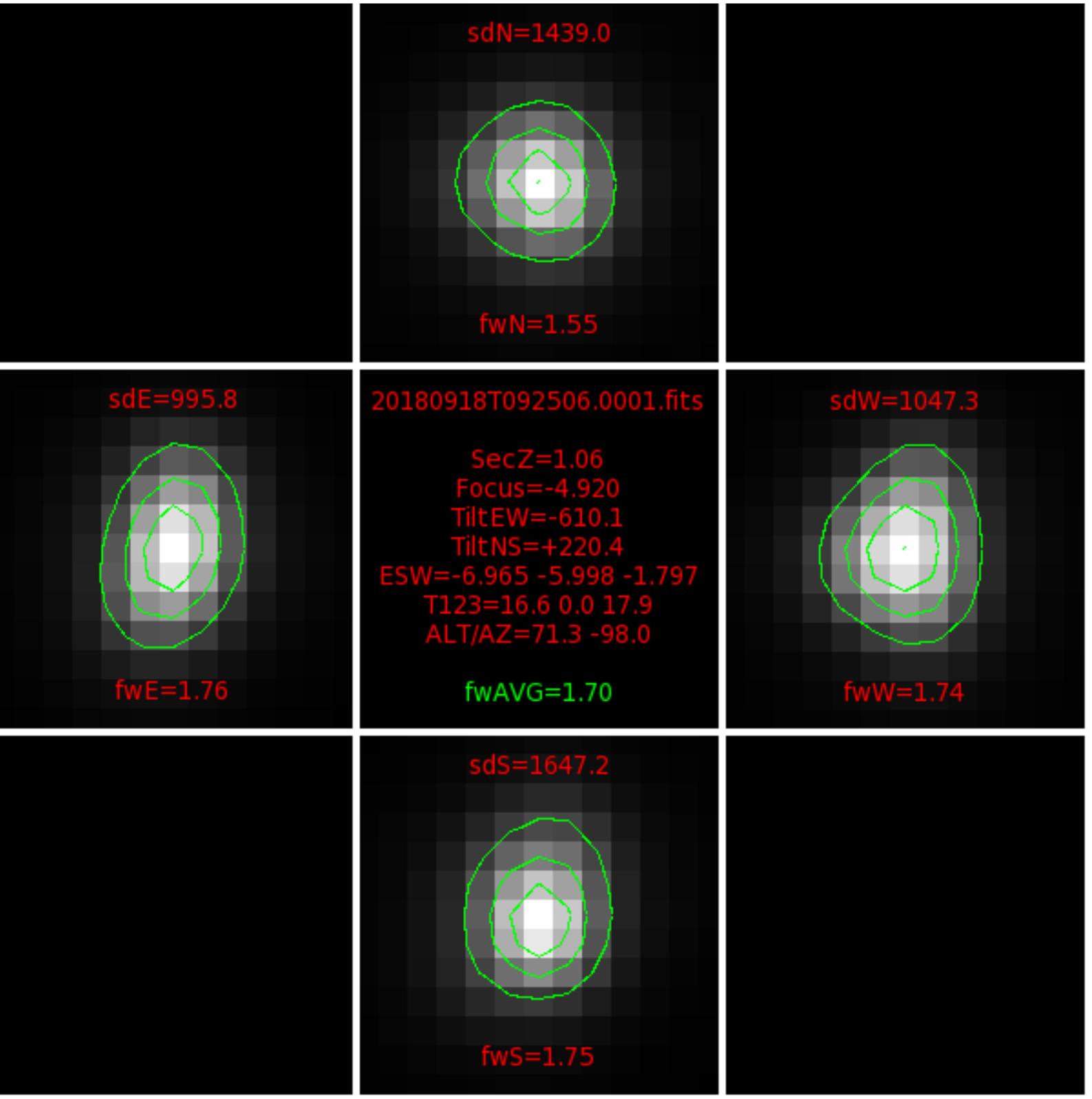
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fwN=1.55
sdE=995.8
fwE=1.76
20180918T092506.0001.fits
SecZ=1.06
Focus=-4.920
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.965 -5.998 -1.797
T123=16.6 0.0 17.9
ALT/AZ=71.3 -98.0
fwAVG=1.70
sdW=1047.3
fwW=1.74
sdS=1647.2
fwS=1.75
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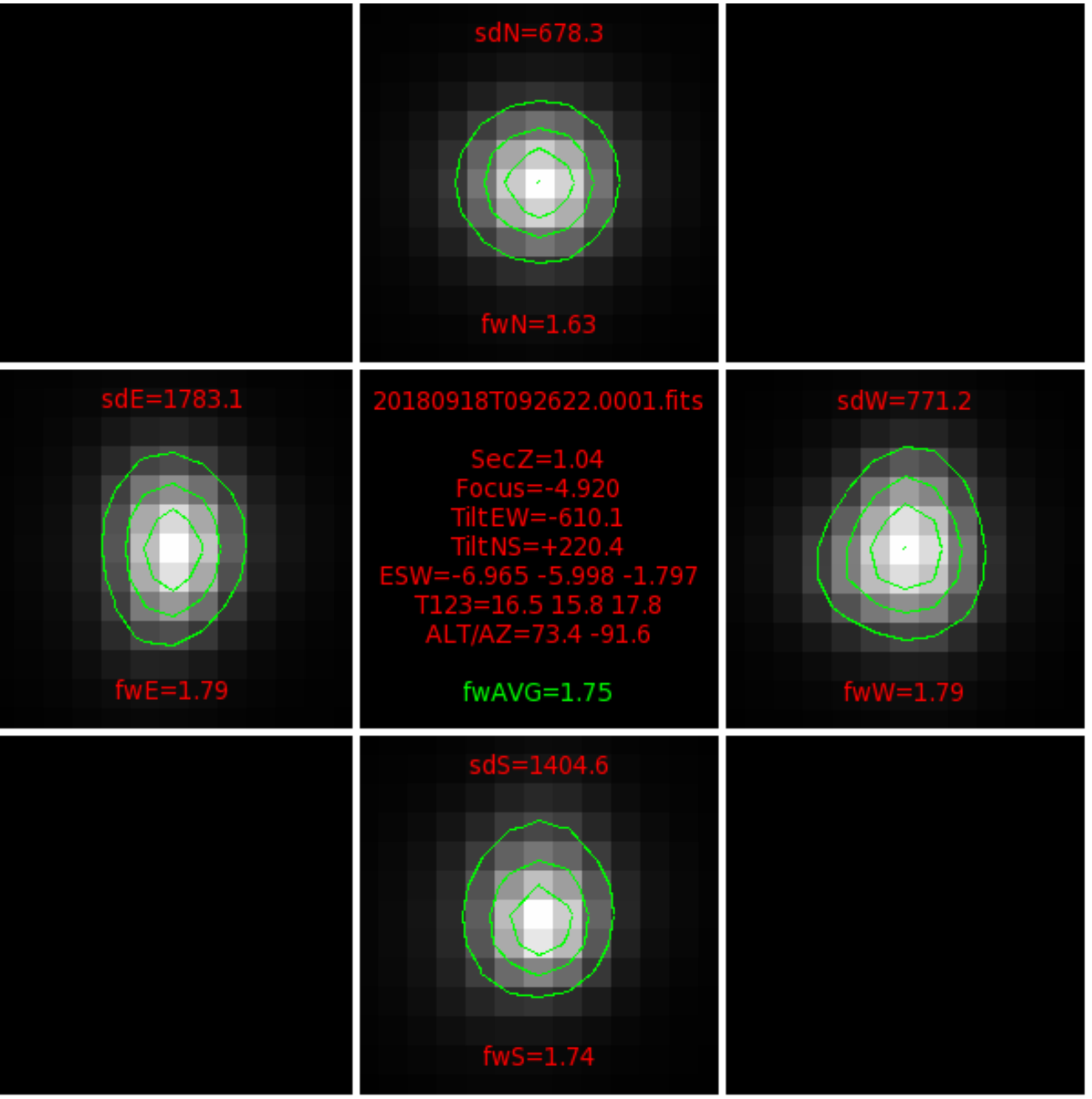
sdN=678.3
fwN=1.63
sdE=1783.1
fwE=1.79
20180918T092622.0001.fits
SecZ=1.04
Focus=-4.920
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.965 -5.998 -1.797
T123=16.5 15.8 17.8
ALT/AZ=73.4 -91.6
fwAVG=1.75
sdW=771.2
fwW=1.79
sdS=1404.6
fwS=1.74
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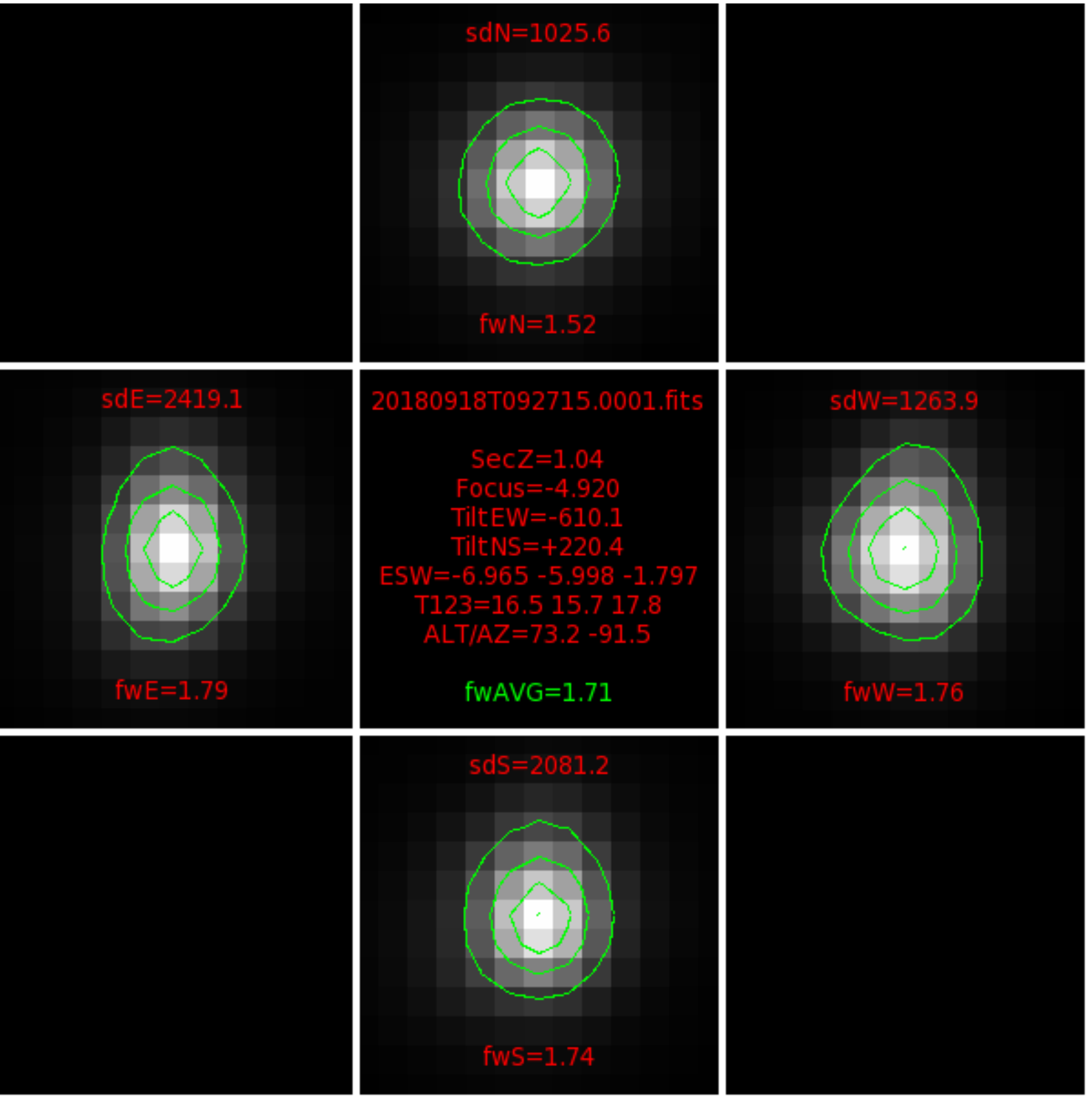
sdN=1025.6
fwN=1.52
sdE=2419.1
fwE=1.79
20180918T092715.0001.fits
SecZ=1.04
Focus=-4.920
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.965 -5.998 -1.797
T123=16.5 15.7 17.8
ALT/AZ=73.2 -91.5
fwAVG=1.71
sdW=1263.9
fwW=1.76
sdS=2081.2
fwS=1.74
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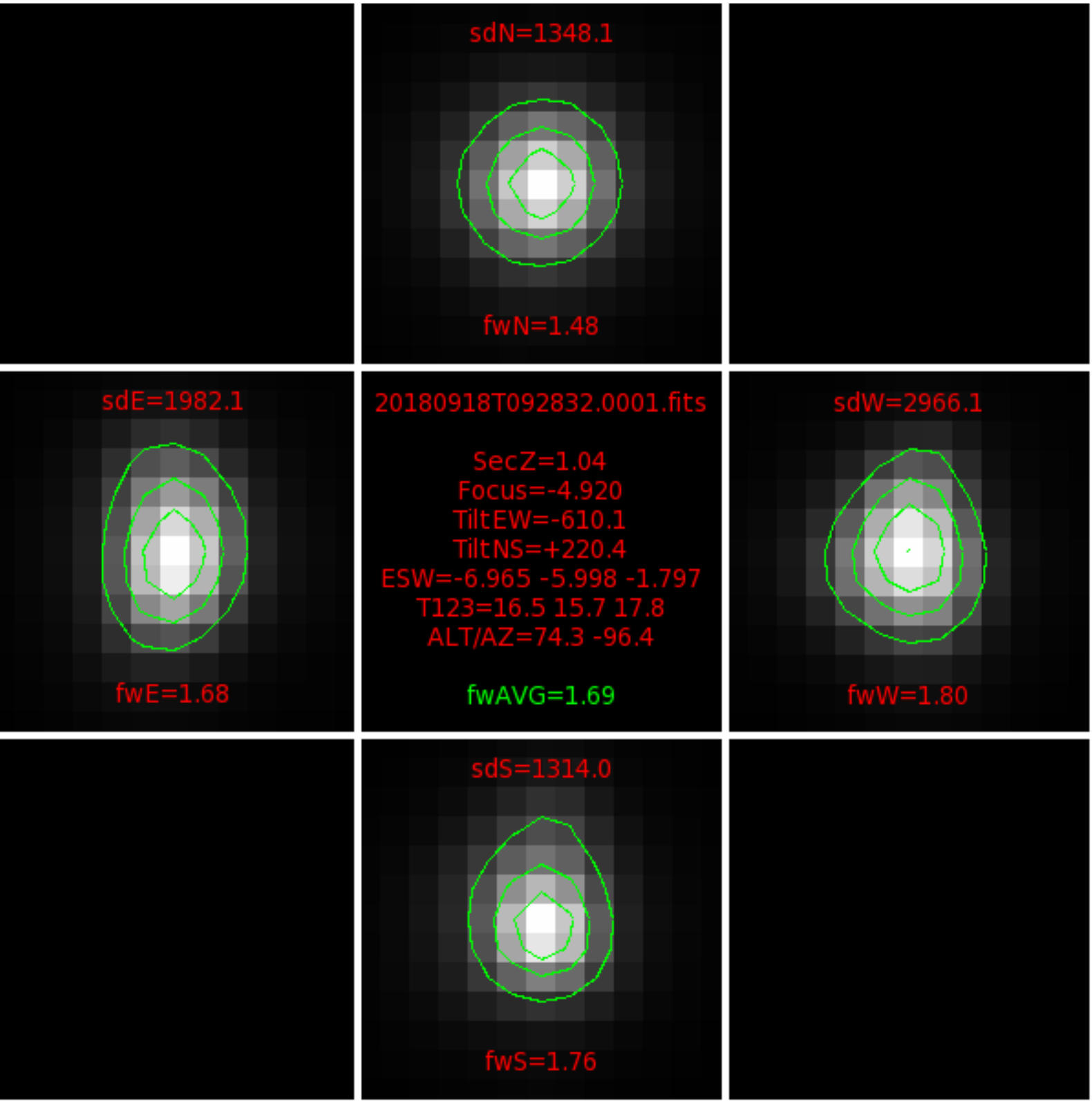
sdN=1348.1
fwN=1.48
sdE=1982.1
fwE=1.68
20180918T092832.0001.fits
SecZ=1.04
Focus=-4.920
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.965 -5.998 -1.797
T123=16.5 15.7 17.8
ALT/AZ=74.3 -96.4
fwAVG=1.69
sdW=2966.1
fwW=1.80
sdS=1314.0
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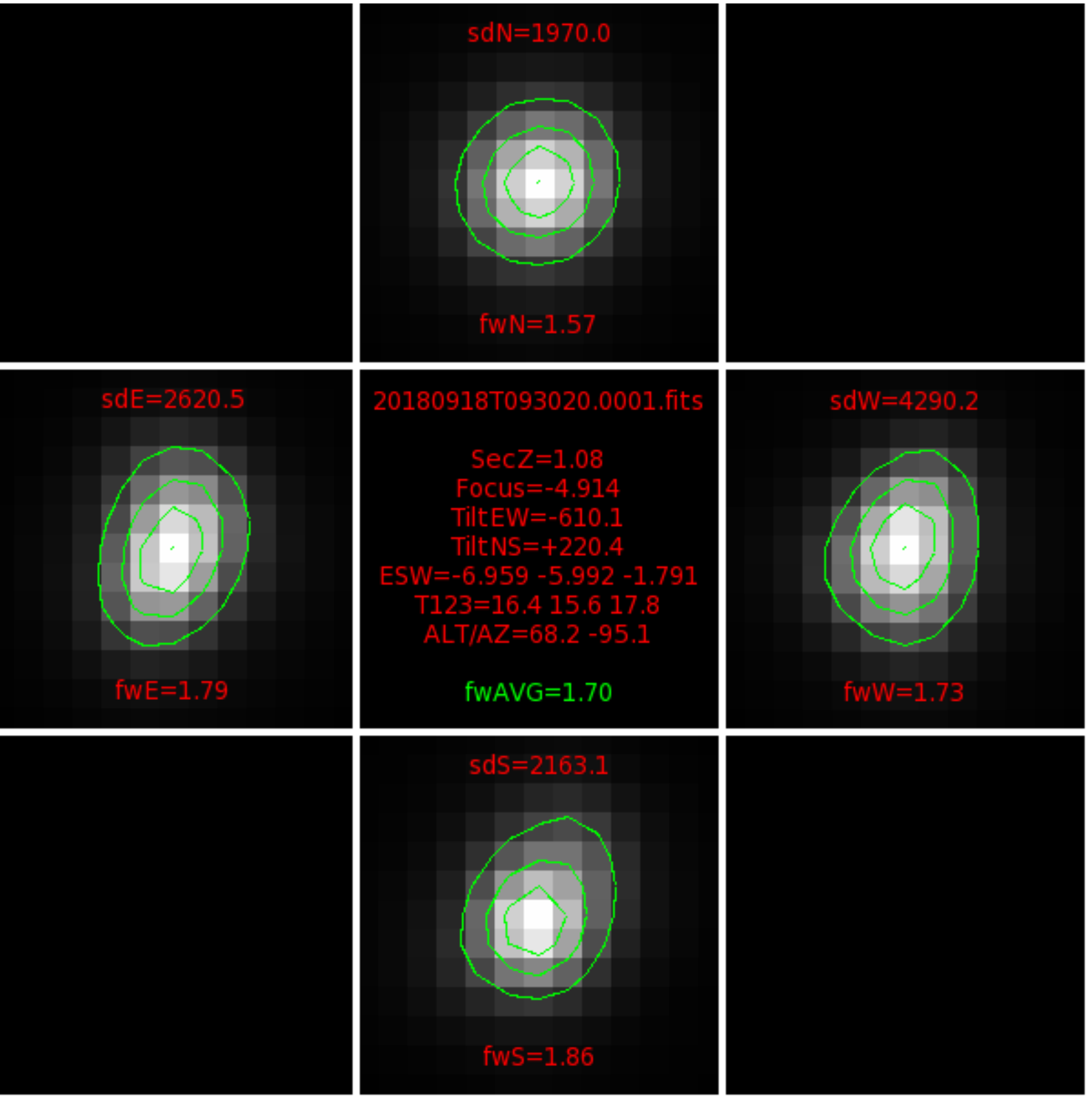
sdN=1970.0
fwN=1.57
sdE=2620.5
fwE=1.79
20180918T093020.0001.fits
SecZ=1.08
Focus=-4.914
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.959 -5.992 -1.791
T123=16.4 15.6 17.8
ALT/AZ=68.2 -95.1
fwAVG=1.70
sdW=4290.2
fwW=1.73
sdS=2163.1
fwS=1.86
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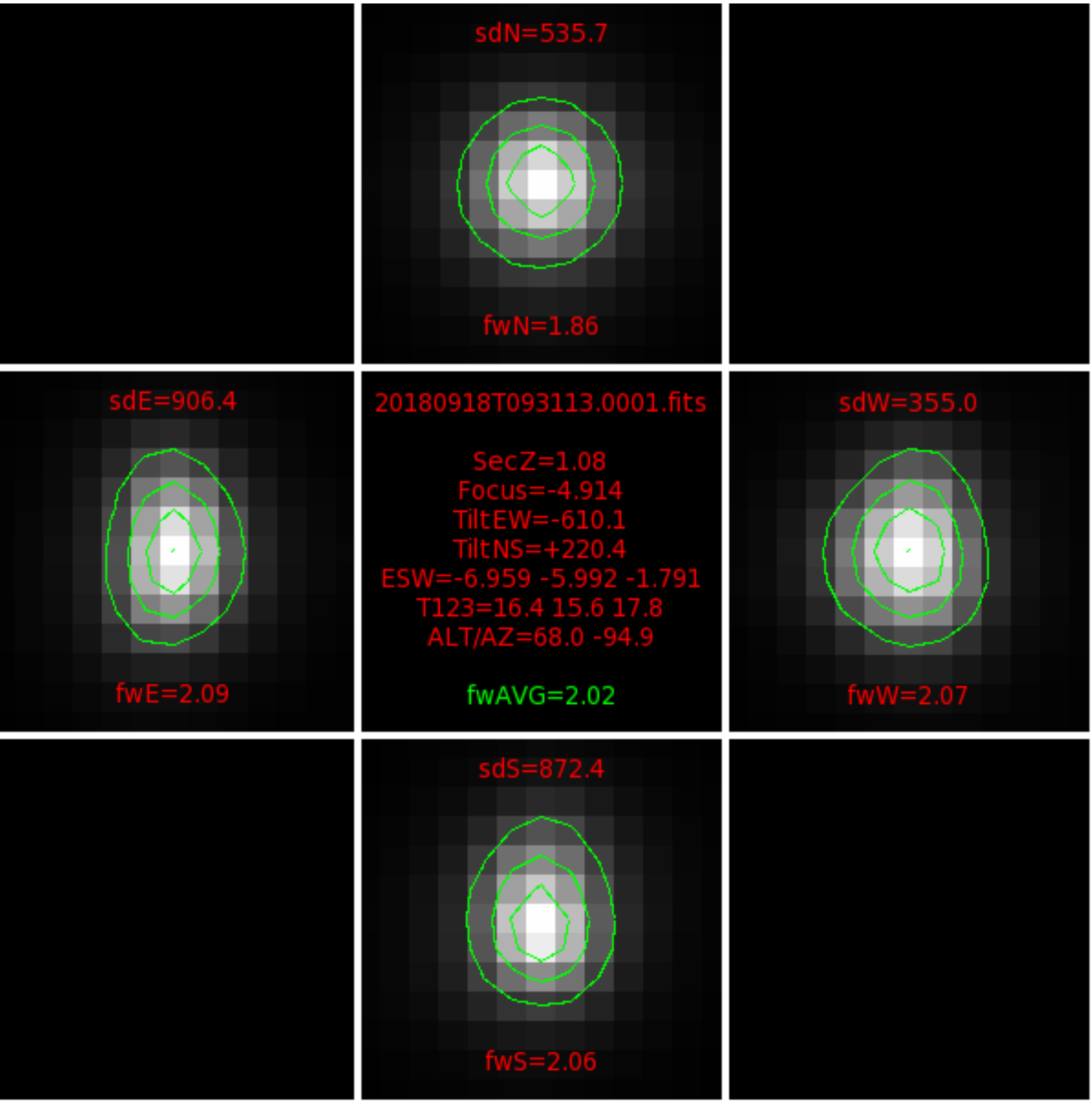
sdN=535.7
fwN=1.86
sdE=906.4
fwE=2.09
20180918T093113.0001.fits
SecZ=1.08
Focus=-4.914
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.959 -5.992 -1.791
T123=16.4 15.6 17.8
ALT/AZ=68.0 -94.9
fwAVG=2.02
sdW=355.0
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sdS=872.4
fwS=2.06
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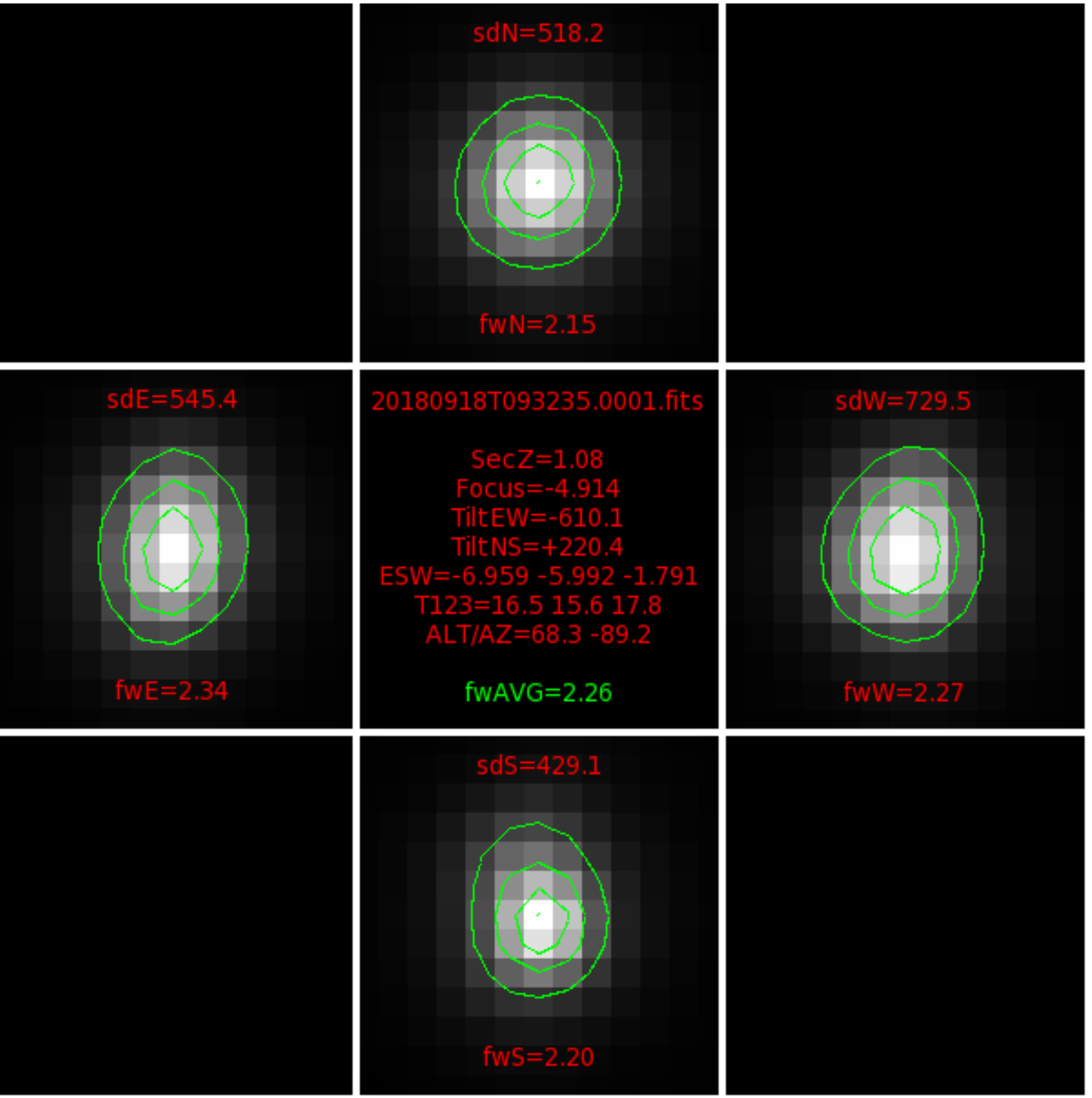
sdN=518.2
fwN=2.15
sdE=545.4
fwE=2.34
20180918T093235.0001.fits
SecZ=1.08
Focus=-4.914
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.959 -5.992 -1.791
T123=16.5 15.6 17.8
ALT/AZ=68.3 -89.2
fwAVG=2.26
sdW=729.5
fwW=2.27
sdS=429.1
fwS=2.20
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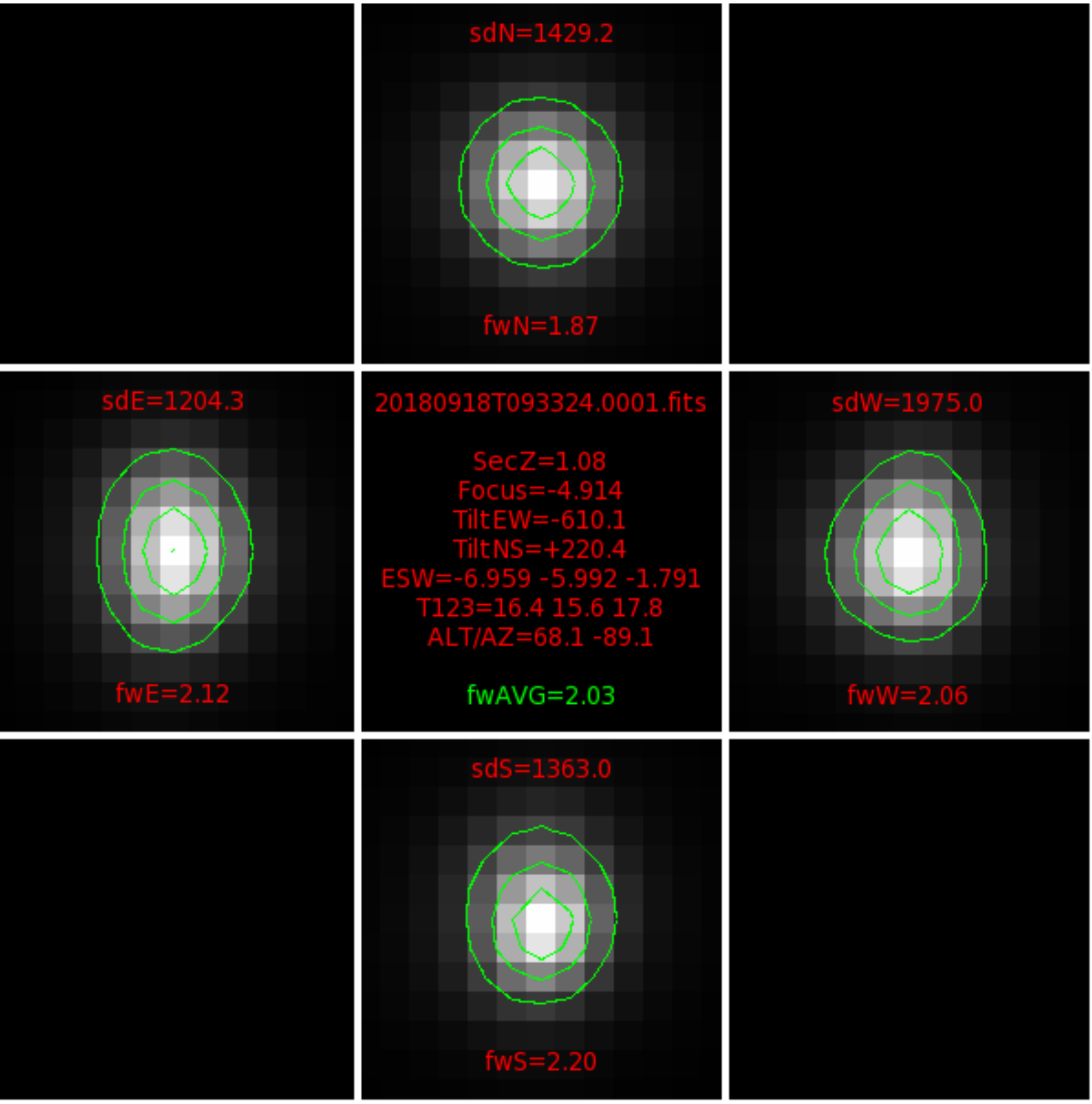
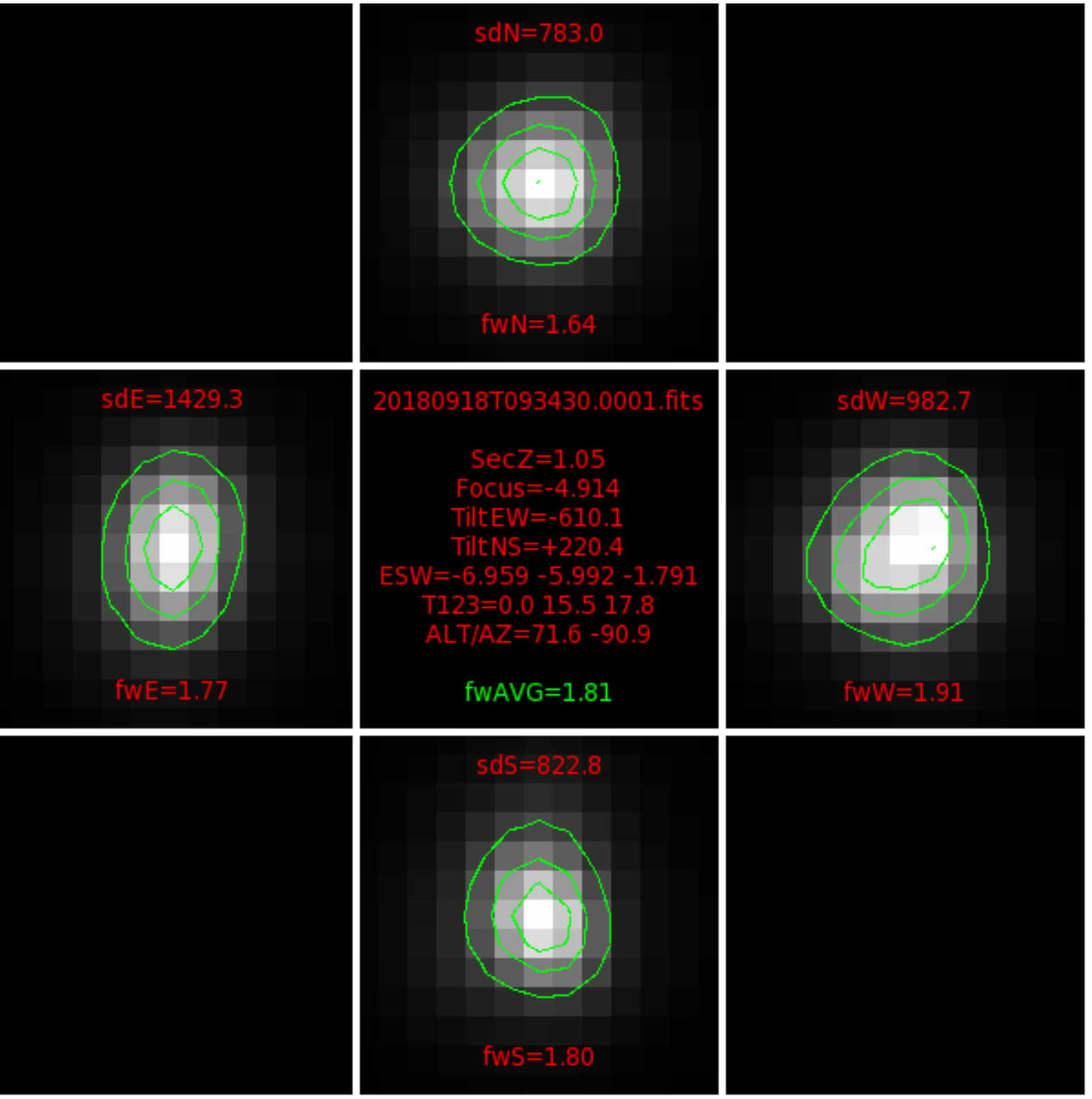
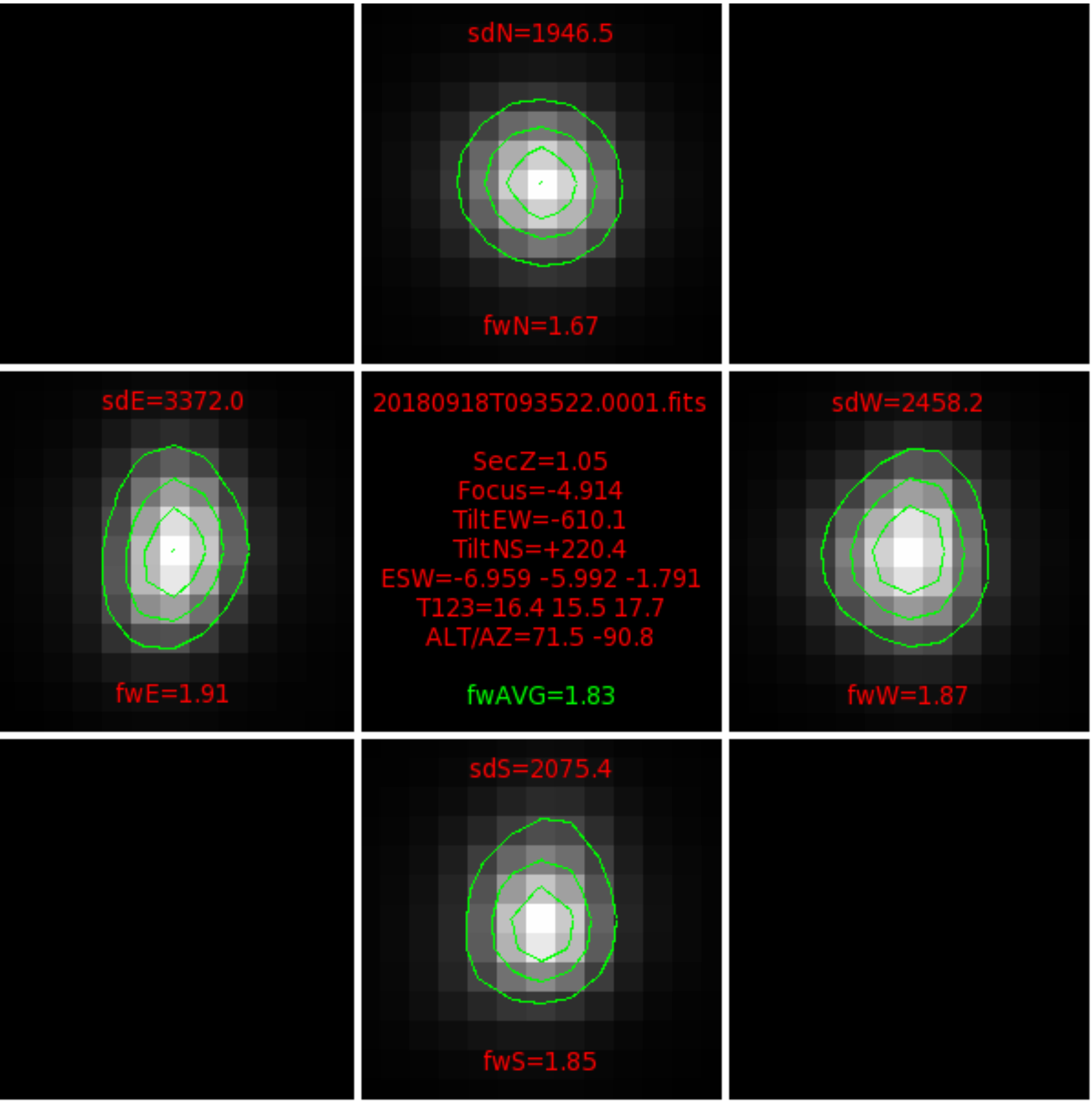

sdN=1429.2
fwN=1.87
sdE=1204.3
fwE=2.12
20180918T093324.0001.fits
SecZ=1.08
Focus=-4.914
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.959 -5.992 -1.791
T123=16.4 15.6 17.8
ALT/AZ=68.1 -89.1
fwAVG=2.03
sdW=1975.0
fwW=2.06
sdS=1363.0
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=783.0
fwN=1.64
sdE=1429.3
fwE=1.77
20180918T093430.0001.fits
SecZ=1.05
Focus=-4.914
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.959 -5.992 -1.791
T123=0.0 15.5 17.8
ALT/AZ=71.6 -90.9
fwAVG=1.81
sdW=982.7
fwW=1.91
sdS=822.8
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=1946.5
fwN=1.67
sdE=3372.0
fwE=1.91
20180918T093522.0001.fits
SecZ=1.05
Focus=-4.914
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.959 -5.992 -1.791
T123=16.4 15.5 17.7
ALT/AZ=71.5 -90.8
fwAVG=1.83
sdW=2458.2
fwW=1.87
sdS=2075.4
fwS=1.85
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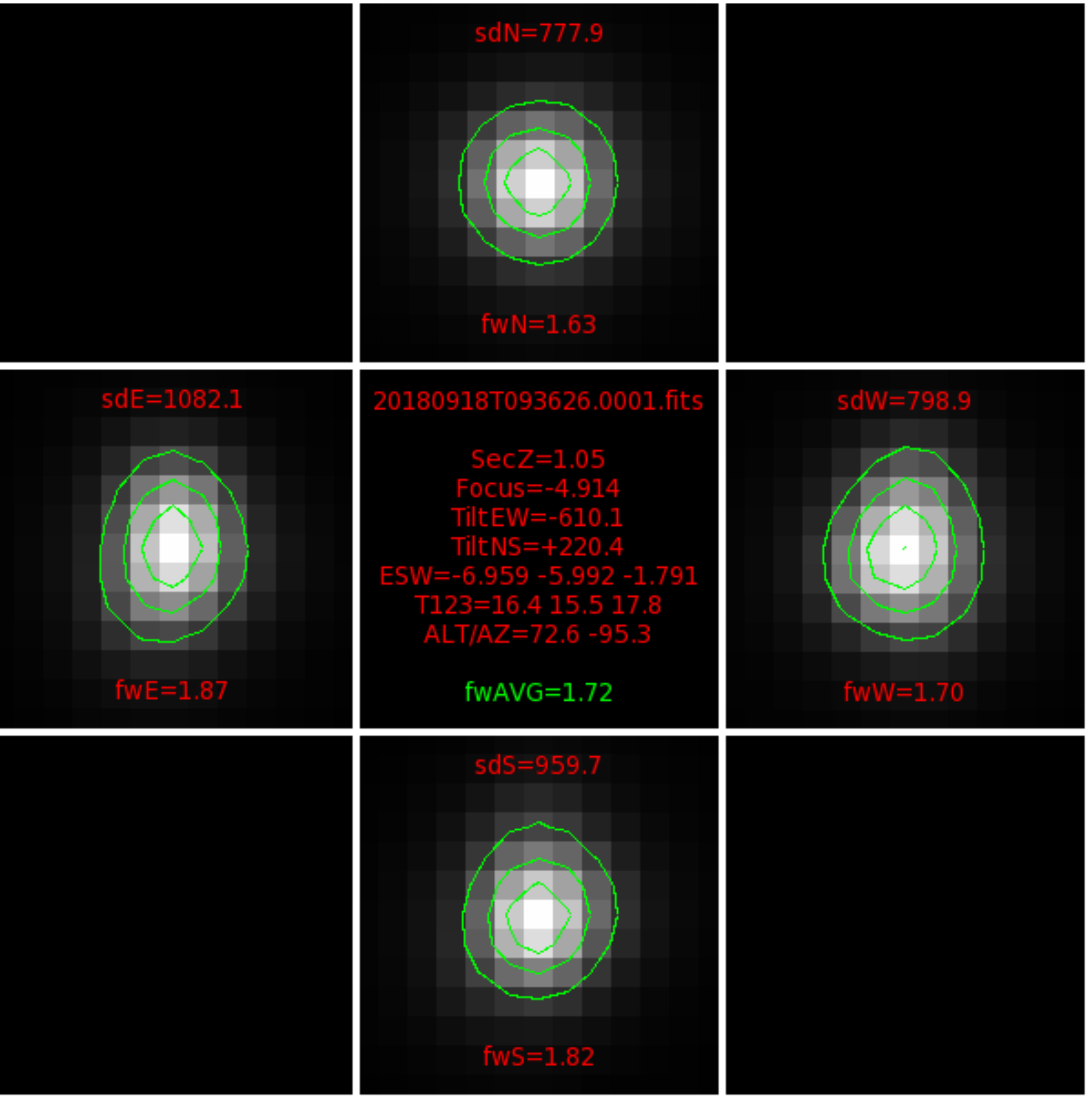
sdN=777.9
fwN=1.63
sdE=1082.1
fwE=1.87
20180918T093626.0001.fits
SecZ=1.05
Focus=-4.914
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.959 -5.992 -1.791
T123=16.4 15.5 17.8
ALT/AZ=72.6 -95.3
fwAVG=1.72
sdW=798.9
fwW=1.70
sdS=959.7
fwS=1.82
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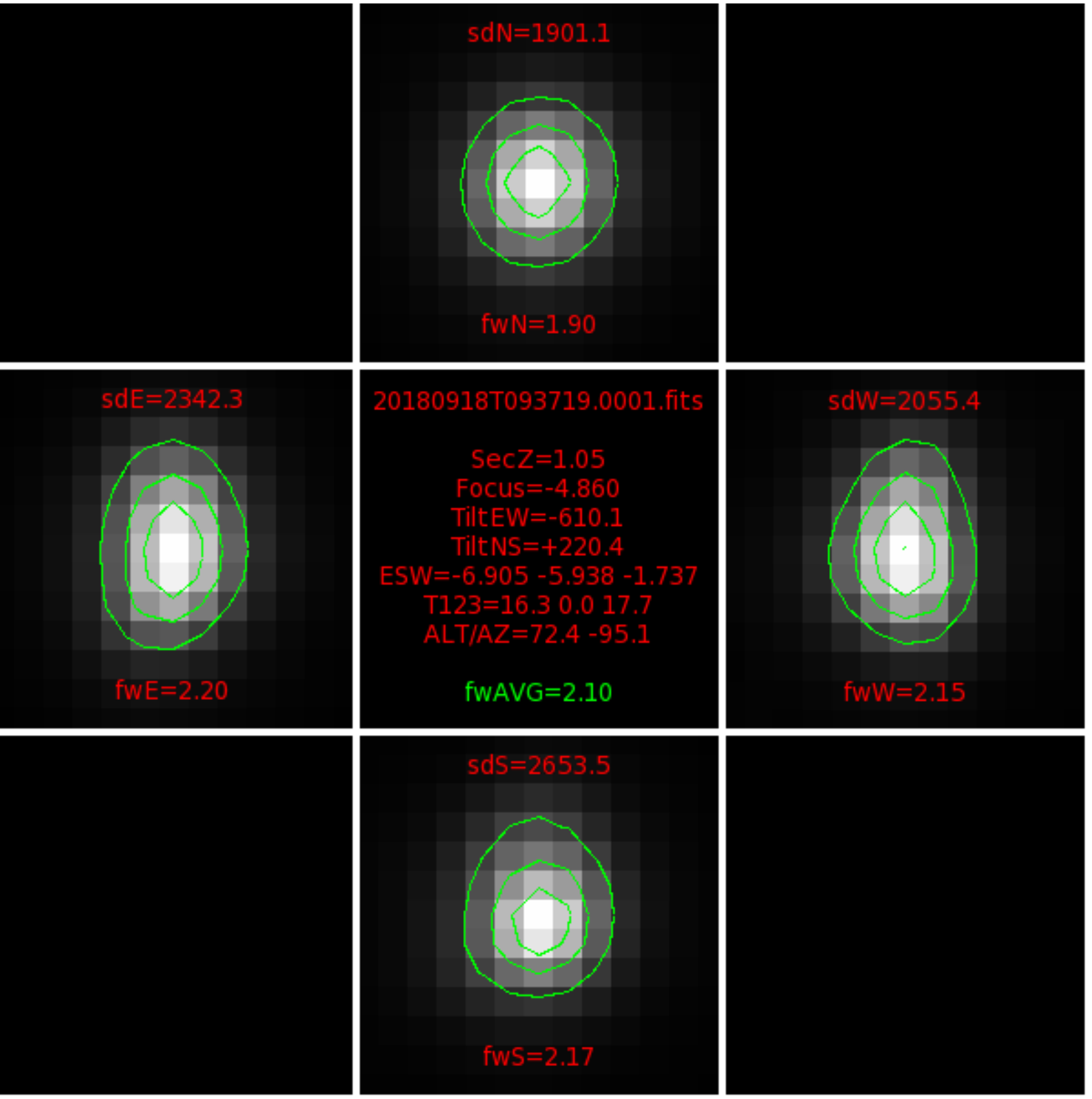
sdN=1901.1
fwN=1.90
sdE=2342.3
fwE=2.20
20180918T093719.0001.fits
SecZ=1.05
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=16.3 0.0 17.7
ALT/AZ=72.4 -95.1
fwAVG=2.10
sdW=2055.4
fwW=2.15
sdS=2653.5
fwS=2.17
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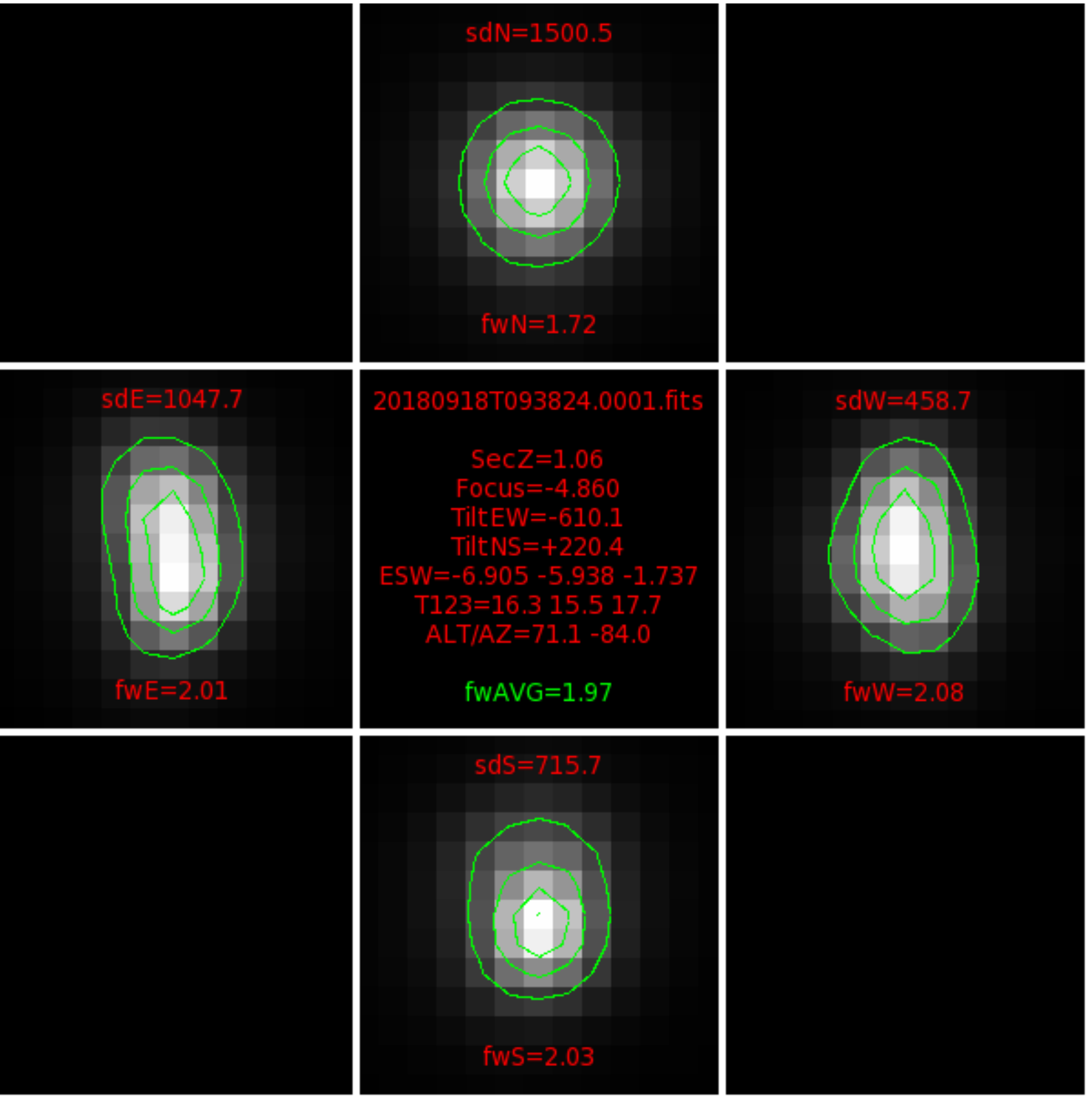
sdN=1500.5
fwN=1.72
sdE=1047.7
fwE=2.01
20180918T093824.0001.fits
SecZ=1.06
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=16.3 15.5 17.7
ALT/AZ=71.1 -84.0
fwAVG=1.97
sdW=458.7
fwW=2.08
sdS=715.7
fwS=2.03
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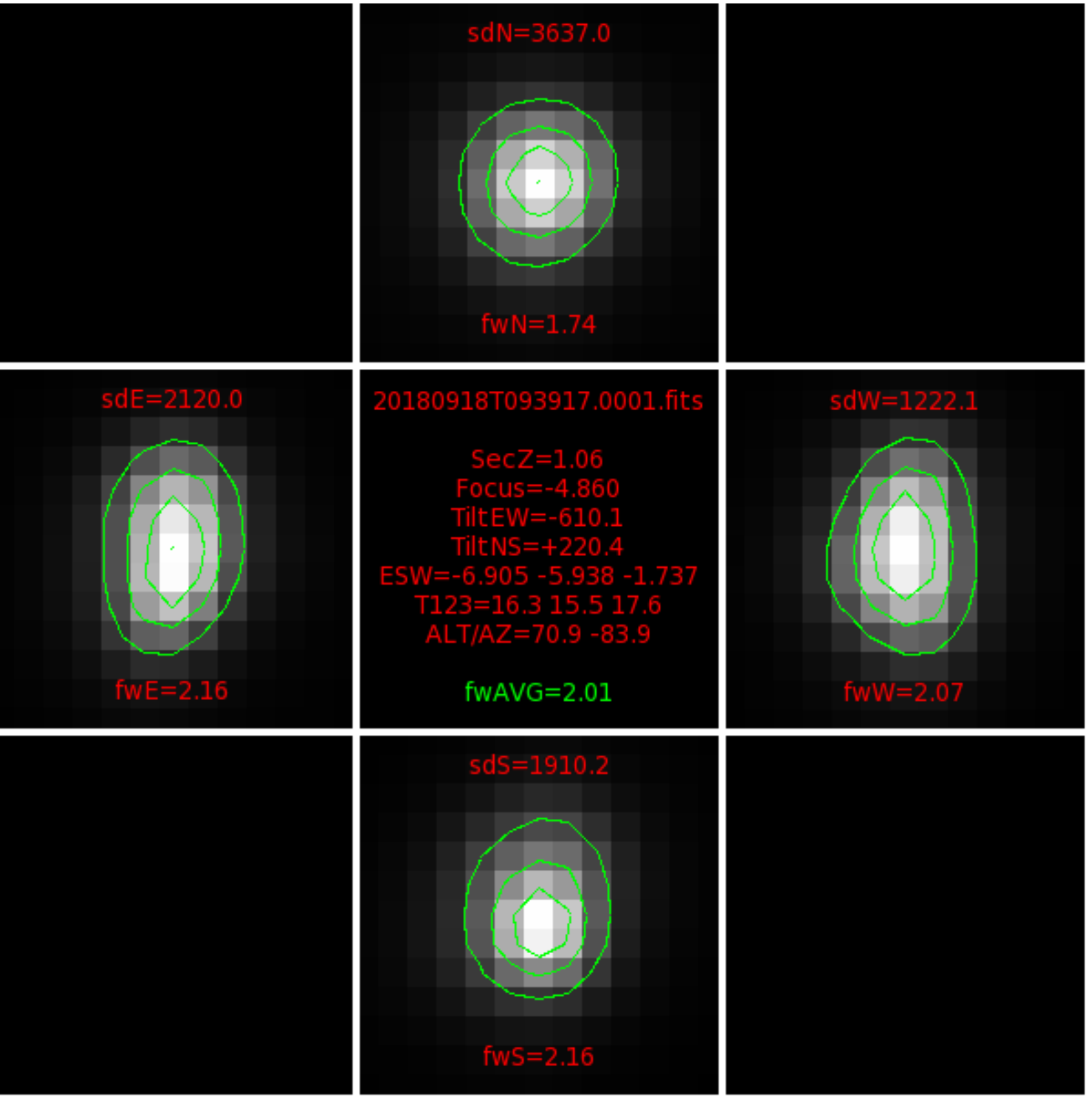
sdN=3637.0
fwN=1.74
sdE=2120.0
fwE=2.16
20180918T093917.0001.fits
SecZ=1.06
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=16.3 15.5 17.6
ALT/AZ=70.9 -83.9
fwAVG=2.01
sdW=1222.1
fwW=2.07
sdS=1910.2
fwS=2.16
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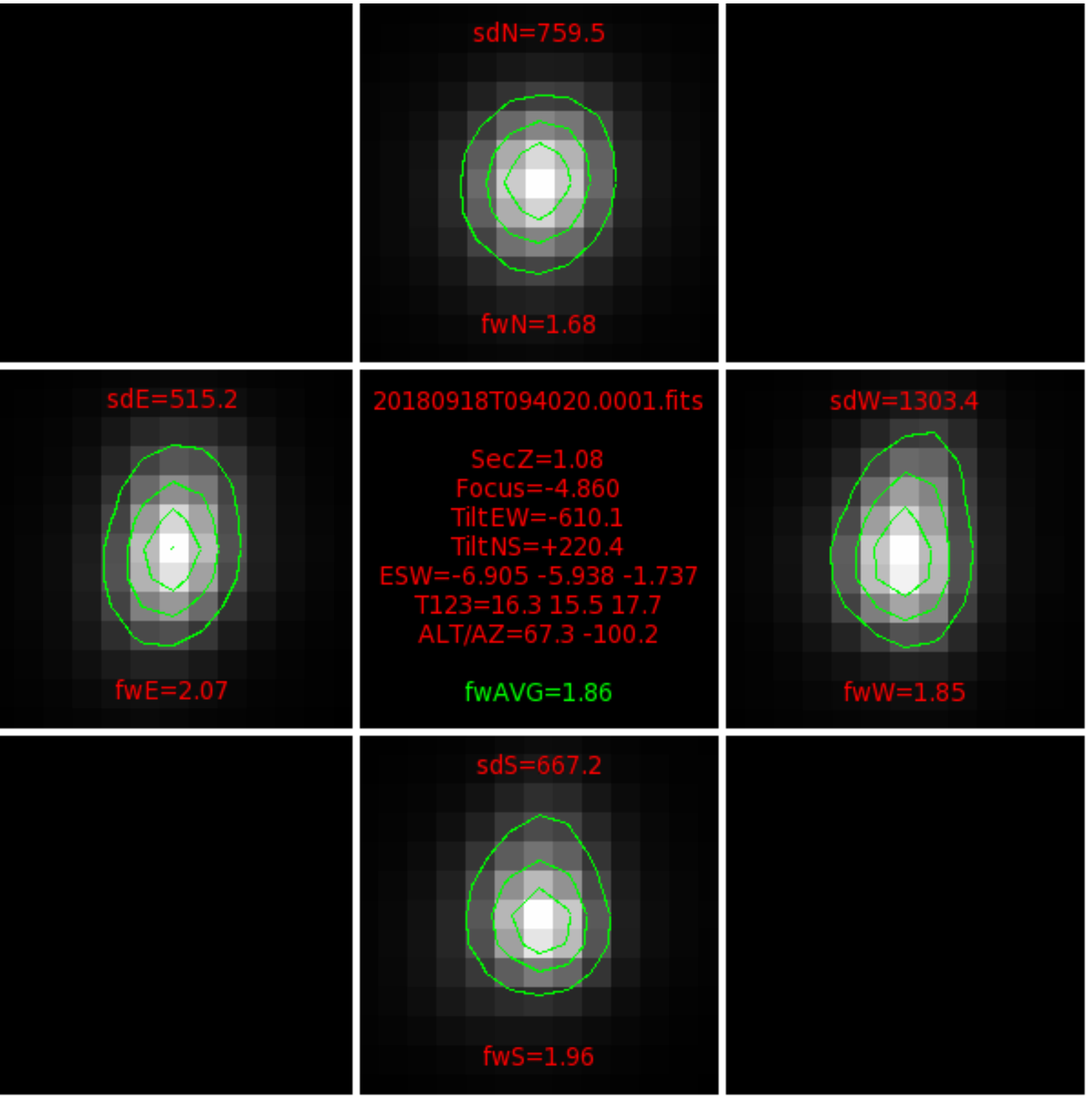
sdN=759.5
fwN=1.68
sdE=515.2
fwE=2.07
20180918T094020.0001.fits
SecZ=1.08
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=16.3 15.5 17.7
ALT/AZ=67.3 -100.2
fwAVG=1.86
sdW=1303.4
fwW=1.85
sdS=667.2
fwS=1.96
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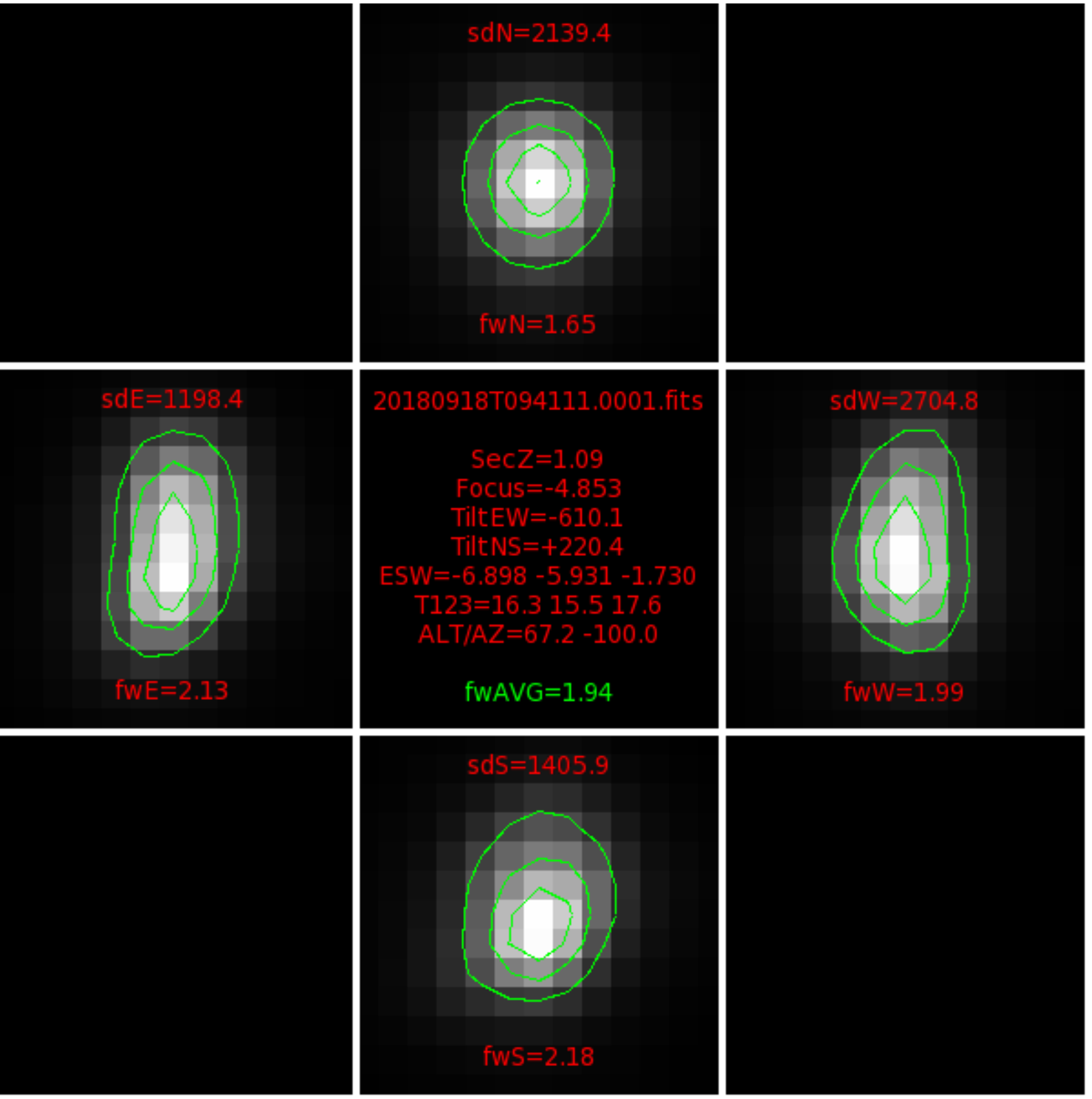
sdN=2139.4
fwN=1.65
sdE=1198.4
fwE=2.13
20180918T094111.0001.fits
SecZ=1.09
Focus=-4.853
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.898 -5.931 -1.730
T123=16.3 15.5 17.6
ALT/AZ=67.2 -100.0
fwAVG=1.94
sdW=2704.8
fwW=1.99
sdS=1405.9
fwS=2.18
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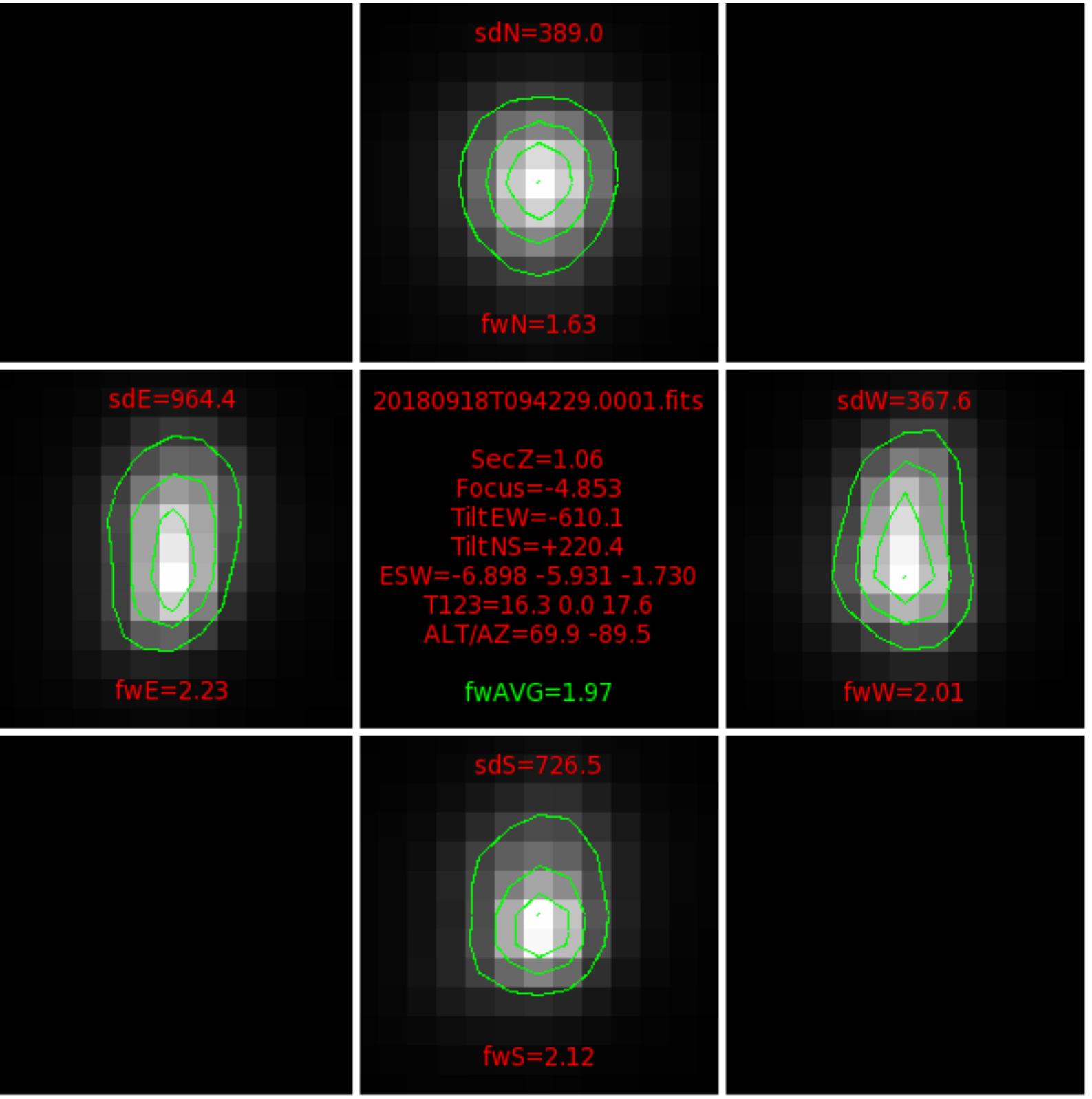
sdN=389.0
fwN=1.63
sdE=964.4
fwE=2.23
20180918T094229.0001.fits
SecZ=1.06
Focus=-4.853
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.898 -5.931 -1.730
T123=16.3 0.0 17.6
ALT/AZ=69.9 -89.5
fwAVG=1.97
sdW=367.6
fwW=2.01
sdS=726.5
fwS=2.12
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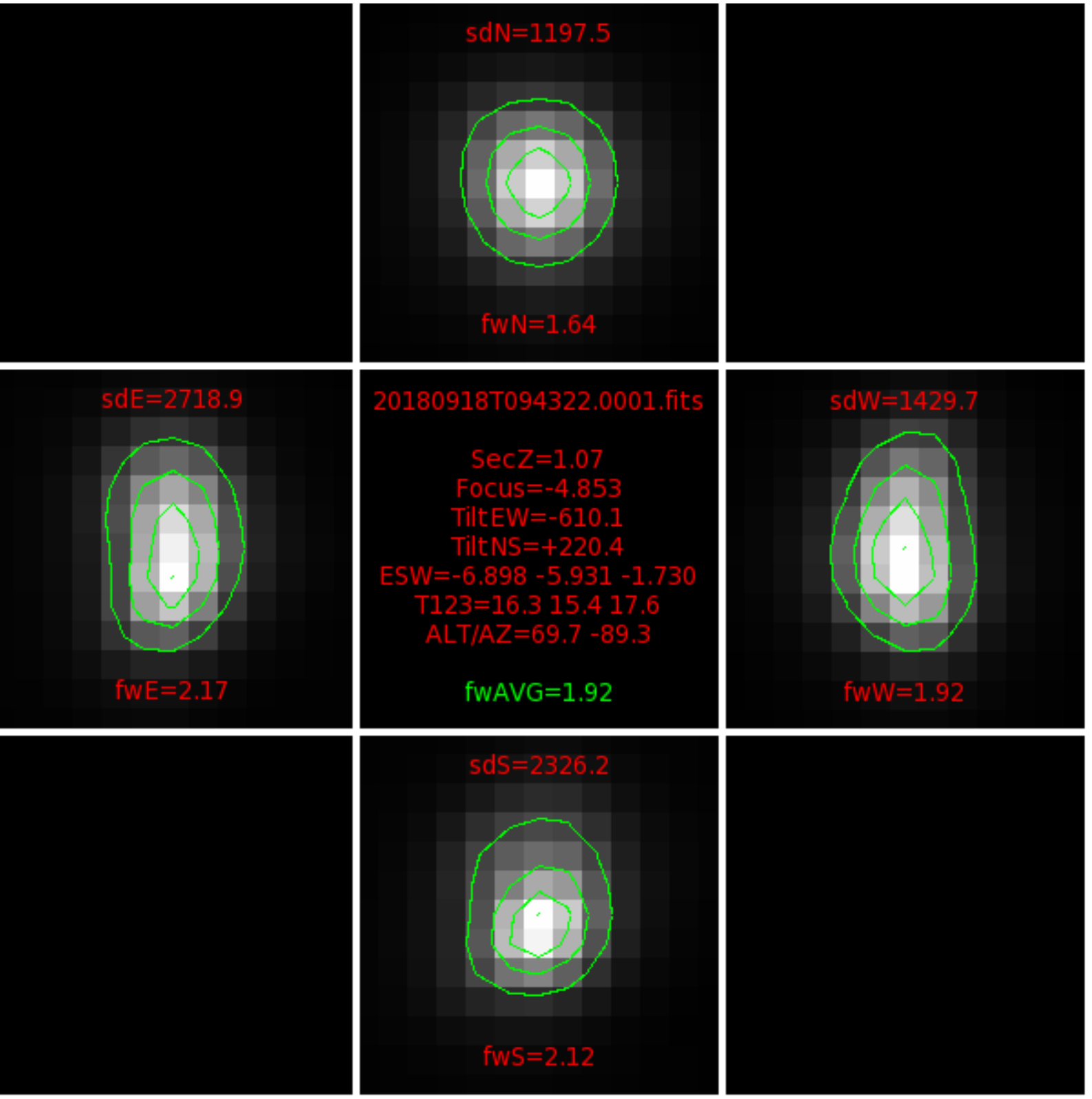
sdN=1197.5
fwN=1.64
sdE=2718.9
fwE=2.17
20180918T094322.0001.fits
SecZ=1.07
Focus=-4.853
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.898 -5.931 -1.730
T123=16.3 15.4 17.6
ALT/AZ=69.7 -89.3
fwAVG=1.92
sdW=1429.7
fwW=1.92
sdS=2326.2
fwS=2.12
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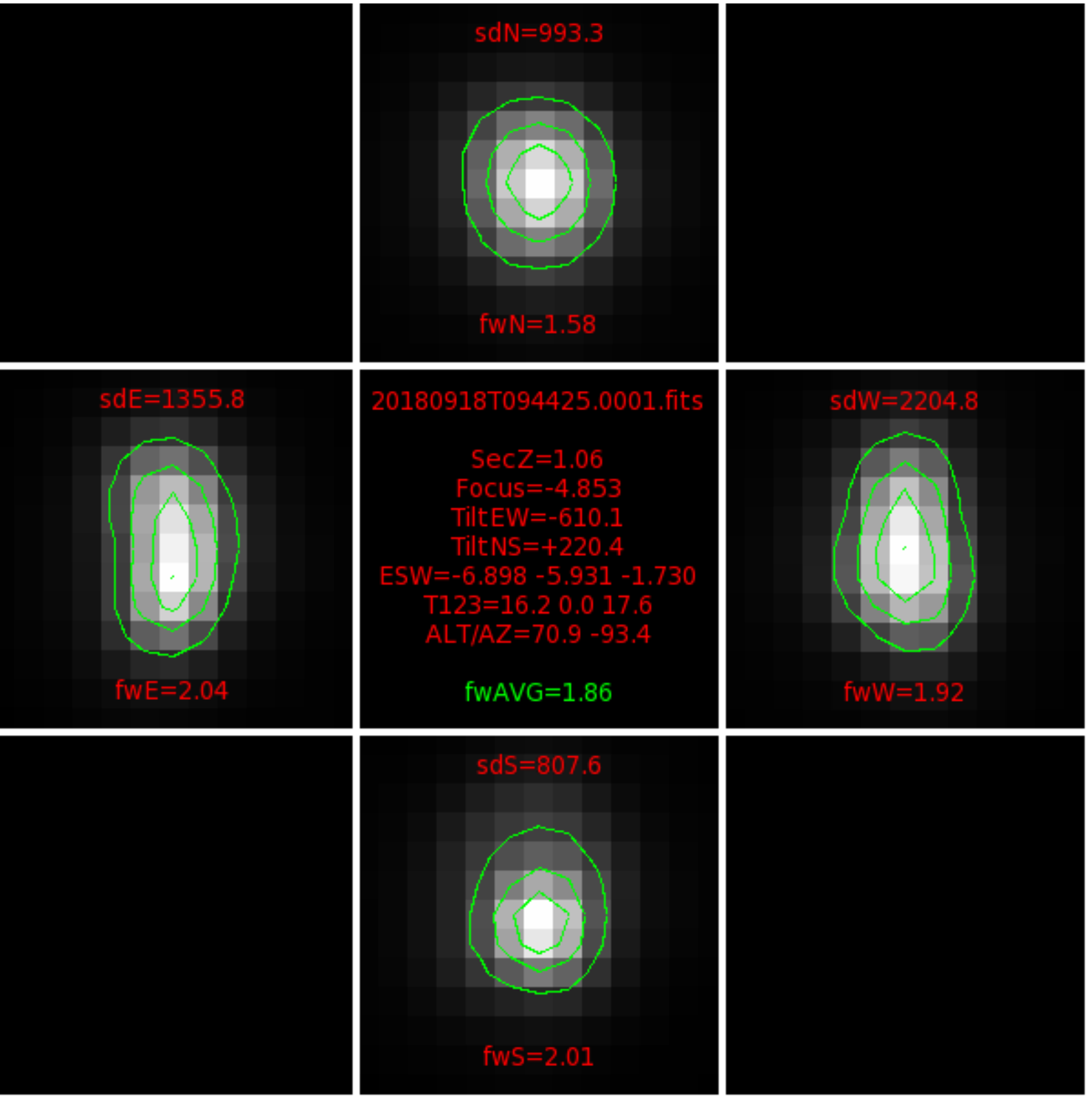
sdN=993.3
fwN=1.58
sdE=1355.8
fwE=2.04
20180918T094425.0001.fits
SecZ=1.06
Focus=-4.853
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.898 -5.931 -1.730
T123=16.2 0.0 17.6
ALT/AZ=70.9 -93.4
fwAVG=1.86
sdW=2204.8
fwW=1.92
sdS=807.6
fwS=2.01
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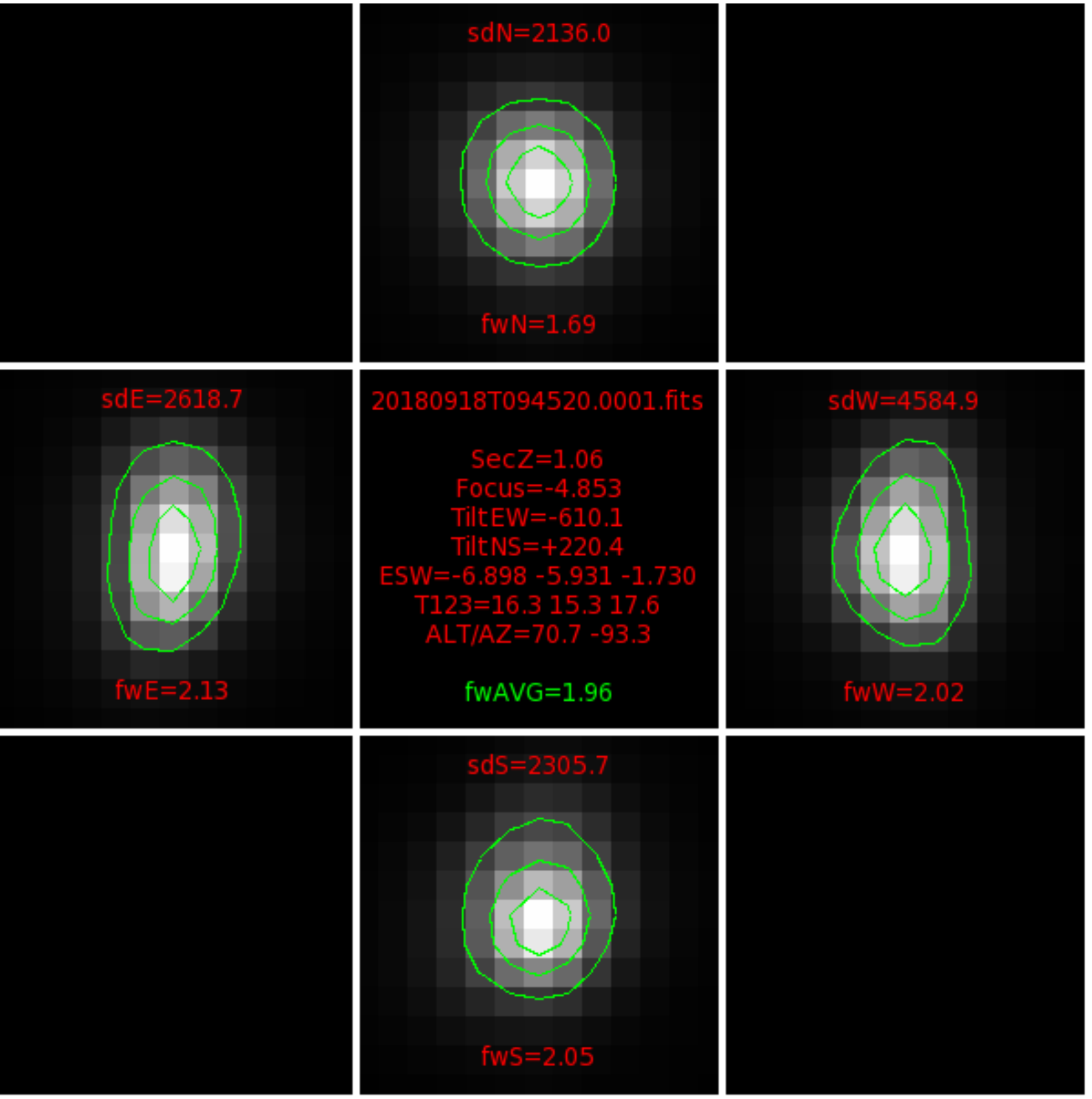
sdN=2136.0
fwN=1.69
sdE=2618.7
fwE=2.13
20180918T094520.0001.fits
SecZ=1.06
Focus=-4.853
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.898 -5.931 -1.730
T123=16.3 15.3 17.6
ALT/AZ=70.7 -93.3
fwAVG=1.96
sdW=4584.9
fwW=2.02
sdS=2305.7
fwS=2.05
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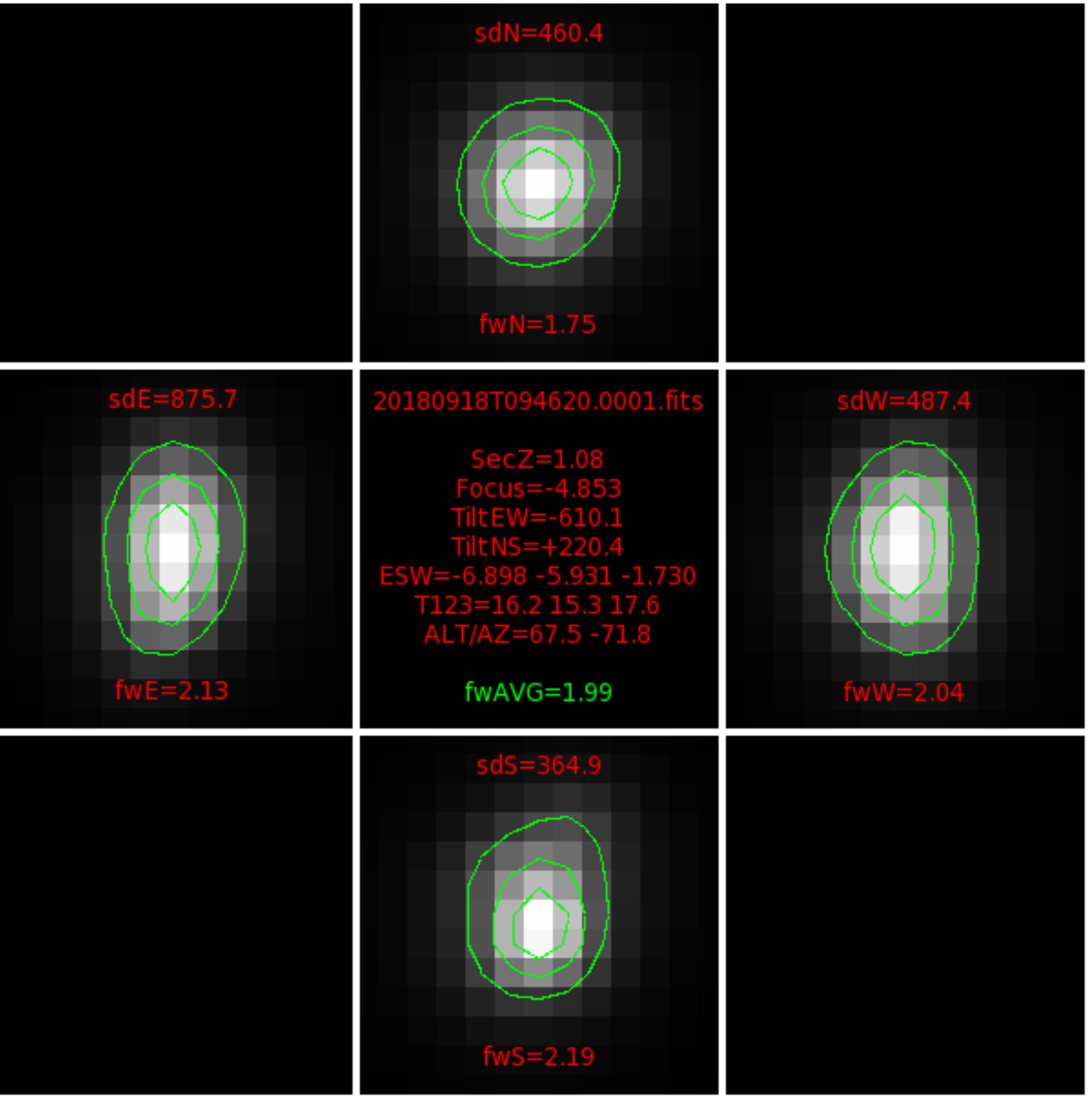
sdN=460.4
fwN=1.75
sdE=875.7
fwE=2.13
20180918T094620.0001.fits
SecZ=1.08
Focus=-4.853
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.898 -5.931 -1.730
T123=16.2 15.3 17.6
ALT/AZ=67.5 -71.8
fwAVG=1.99
sdW=487.4
fwW=2.04
sdS=364.9
fwS=2.19
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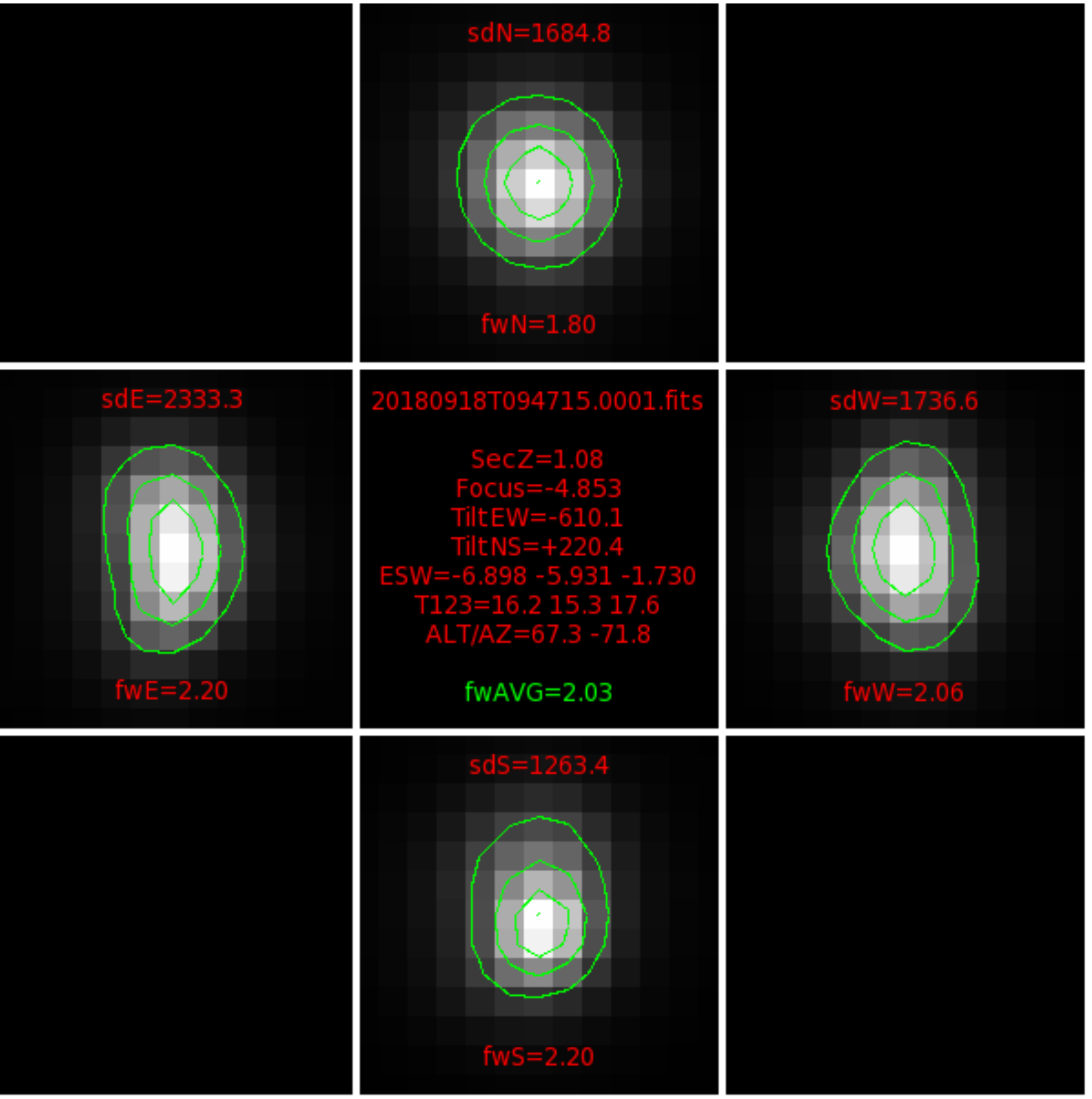
sdN=1684.8
fwN=1.80
sdE=2333.3
fwE=2.20
20180918T094715.0001.fits
SecZ=1.08
Focus=-4.853
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.898 -5.931 -1.730
T123=16.2 15.3 17.6
ALT/AZ=67.3 -71.8
fwAVG=2.03
sdW=1736.6
fwW=2.06
sdS=1263.4
fwS=2.20
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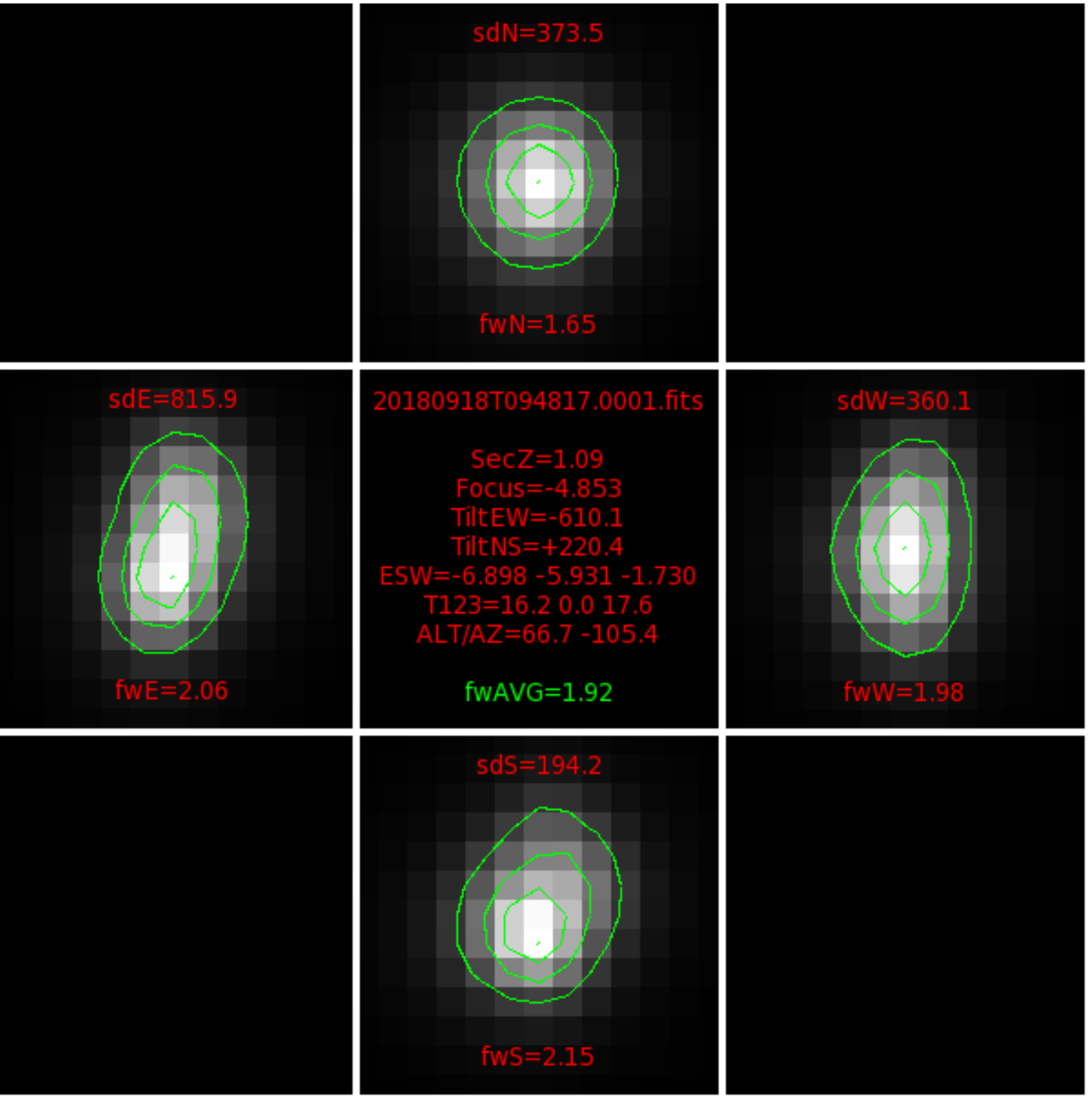
sdN=373.5
fwN=1.65
sdE=815.9
fwE=2.06
20180918T094817.0001.fits
SecZ=1.09
Focus=-4.853
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.898 -5.931 -1.730
T123=16.2 0.0 17.6
ALT/AZ=66.7 -105.4
fwAVG=1.92
sdW=360.1
fwW=1.98
sdS=194.2
fwS=2.15
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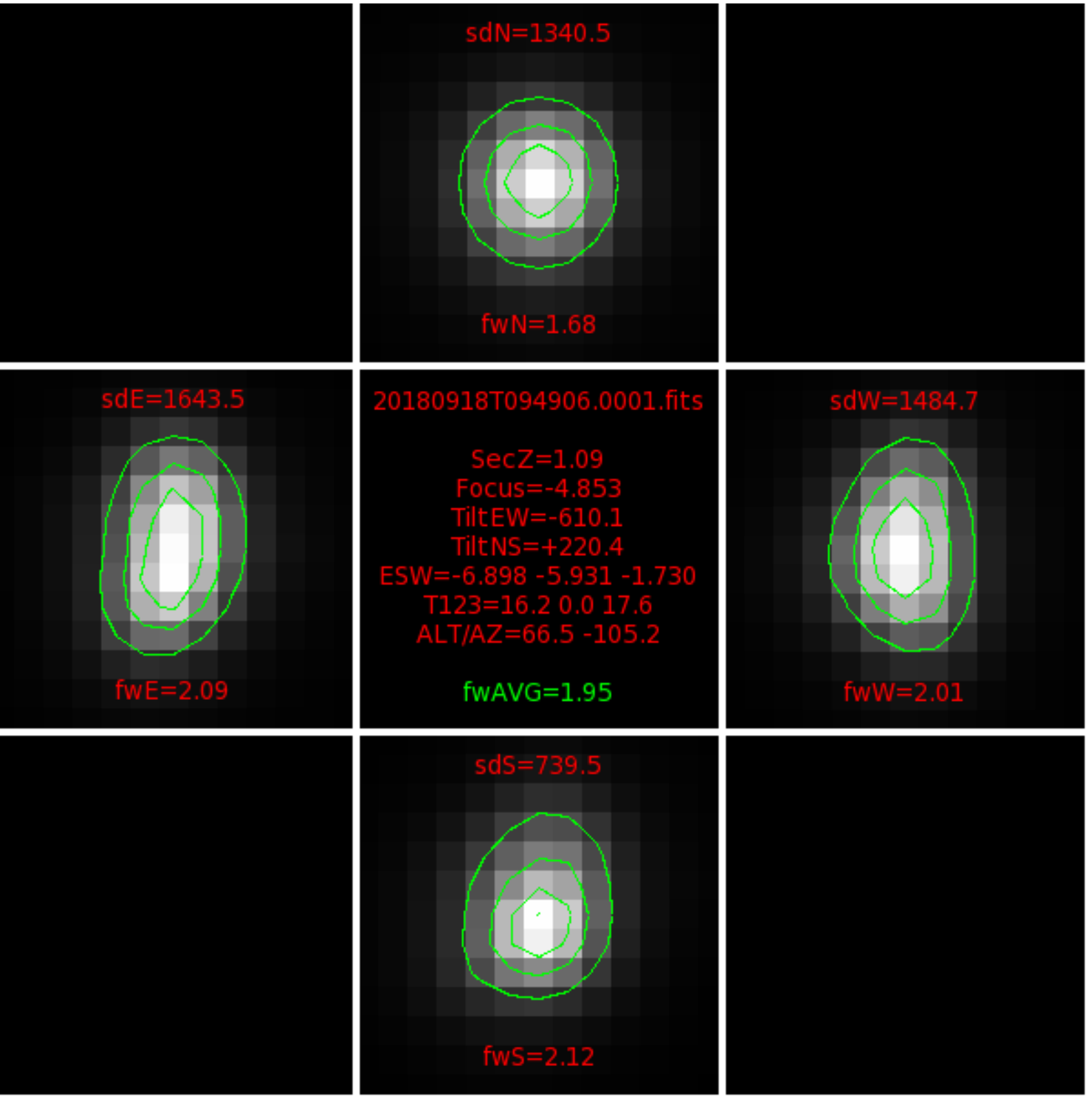
sdN=1340.5
fwN=1.68
sdE=1643.5
fwE=2.09
20180918T094906.0001.fits
SecZ=1.09
Focus=-4.853
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.898 -5.931 -1.730
T123=16.2 0.0 17.6
ALT/AZ=66.5 -105.2
fwAVG=1.95
sdW=1484.7
fwW=2.01
sdS=739.5
fwS=2.12
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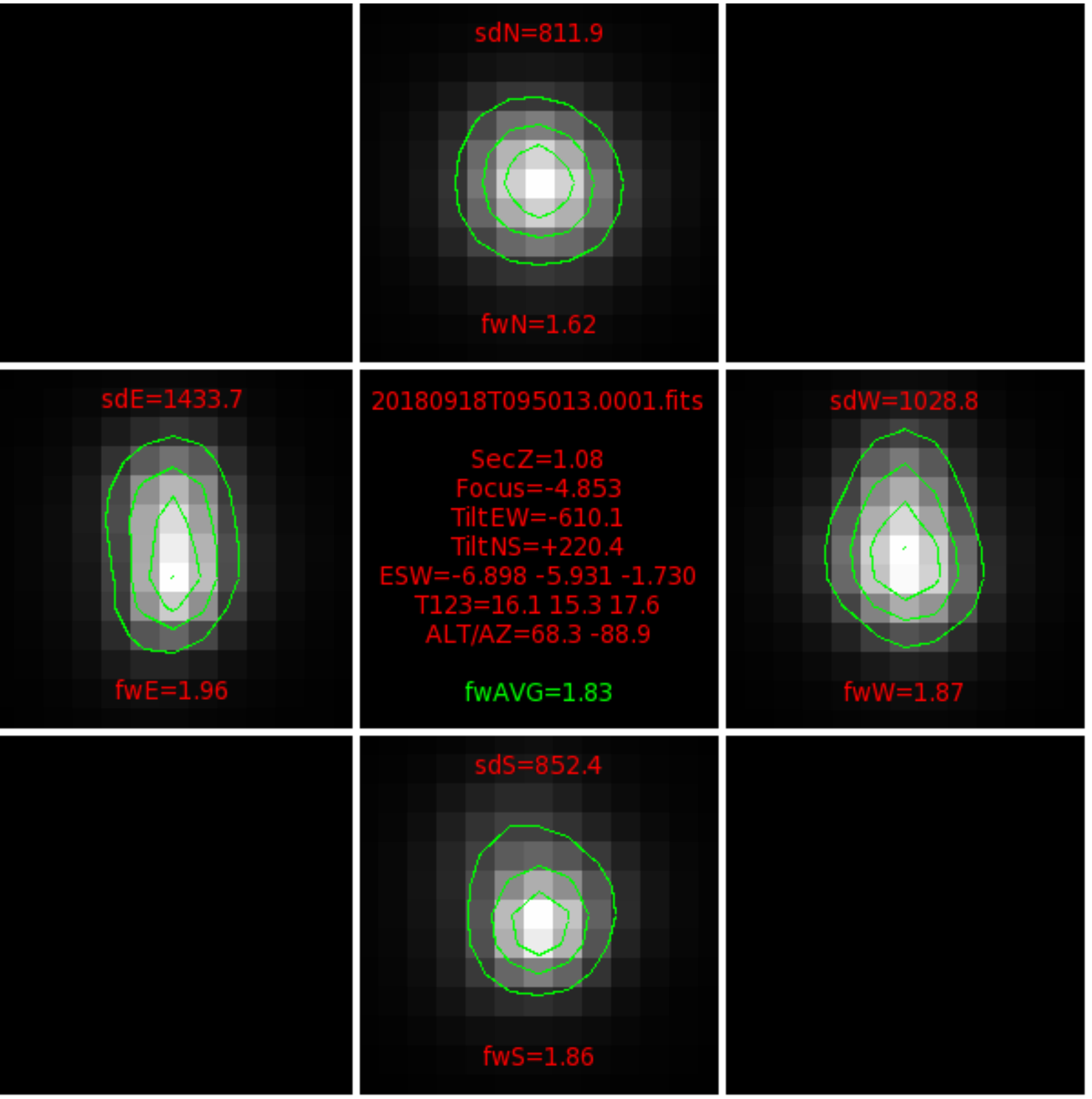
sdN=811.9
fwN=1.62
sdE=1433.7
fwE=1.96
20180918T095013.0001.fits
SecZ=1.08
Focus=-4.853
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.898 -5.931 -1.730
T123=16.1 15.3 17.6
ALT/AZ=68.3 -88.9
fwAVG=1.83
sdW=1028.8
fwW=1.87
sdS=852.4
fwS=1.86
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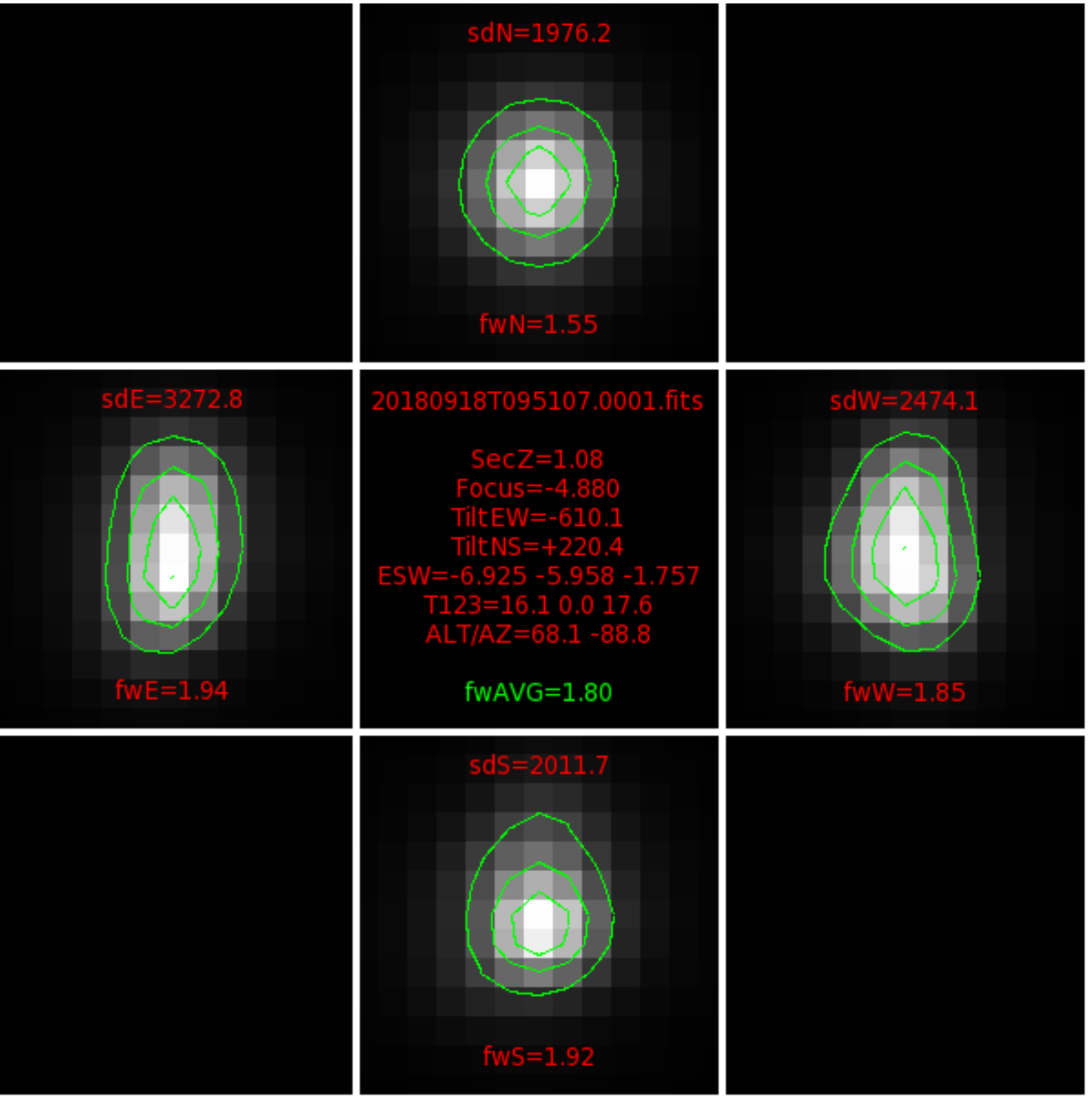
sdN=1976.2
fwN=1.55
sdE=3272.8
fwE=1.94
20180918T095107.0001.fits
SecZ=1.08
Focus=-4.880
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.925 -5.958 -1.757
T123=16.1 0.0 17.6
ALT/AZ=68.1 -88.8
fwAVG=1.80
sdW=2474.1
fwW=1.85
sdS=2011.7
fwS=1.92
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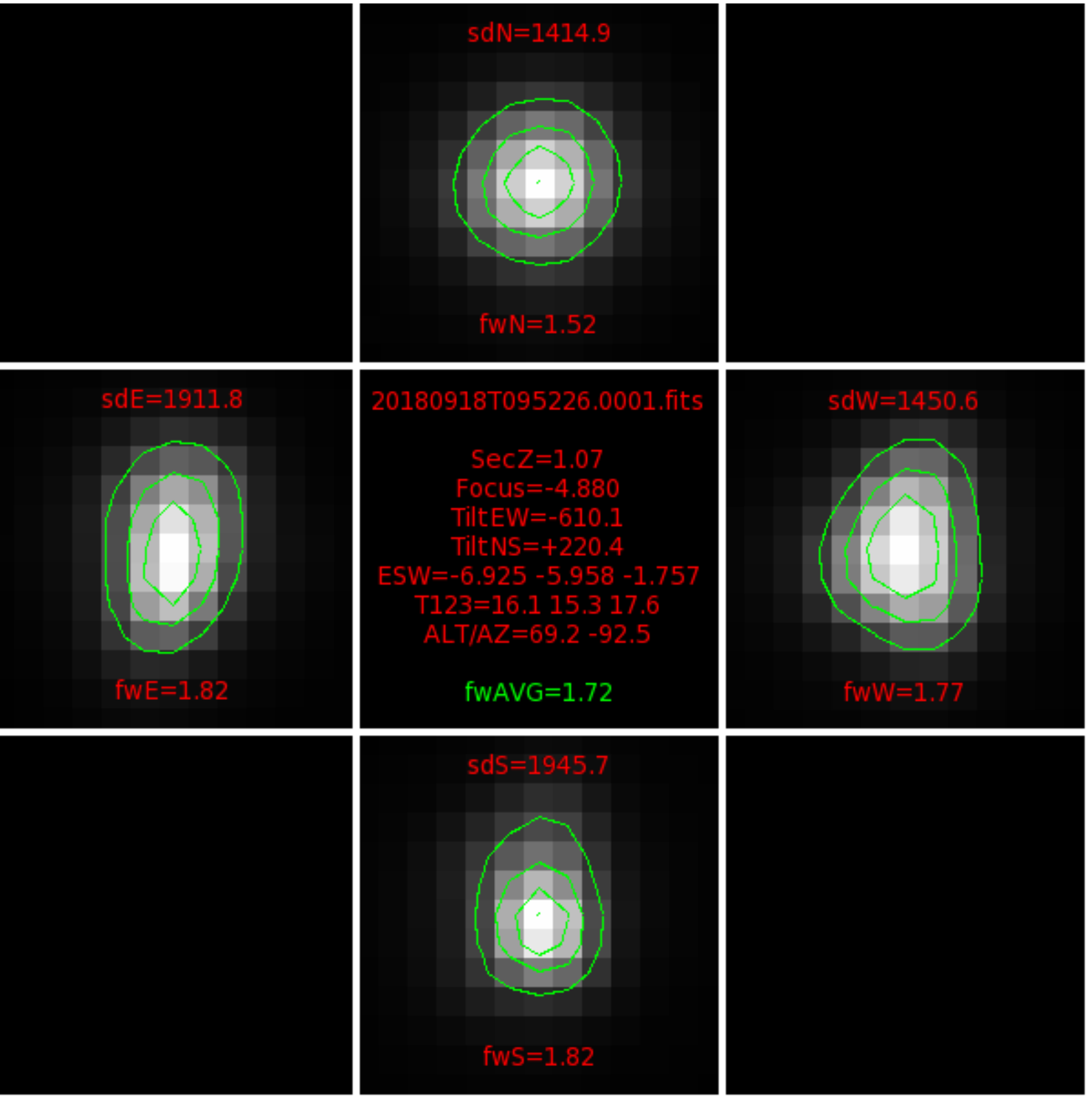
sdN=1414.9
fwN=1.52
sdE=1911.8
fwE=1.82
20180918T095226.0001.fits
SecZ=1.07
Focus=-4.880
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.925 -5.958 -1.757
T123=16.1 15.3 17.6
ALT/AZ=69.2 -92.5
fwAVG=1.72
sdW=1450.6
fwW=1.77
sdS=1945.7
fwS=1.82
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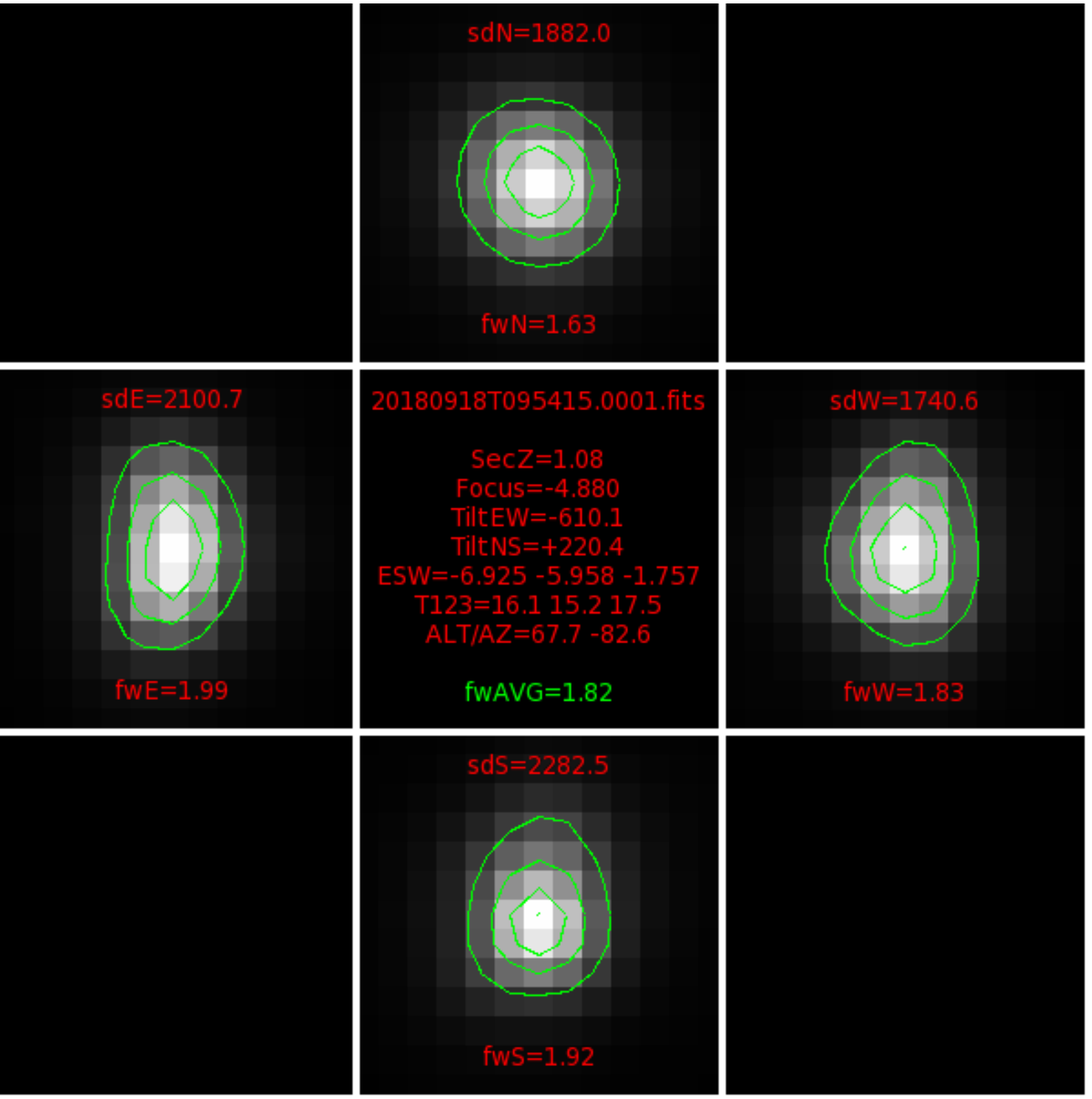
sdN=1882.0
fwN=1.63
sdE=2100.7
fwE=1.99
20180918T095415.0001.fits
SecZ=1.08
Focus=-4.880
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.925 -5.958 -1.757
T123=16.1 15.2 17.5
ALT/AZ=67.7 -82.6
fwAVG=1.82
sdW=1740.6
fwW=1.83
sdS=2282.5
fwS=1.92
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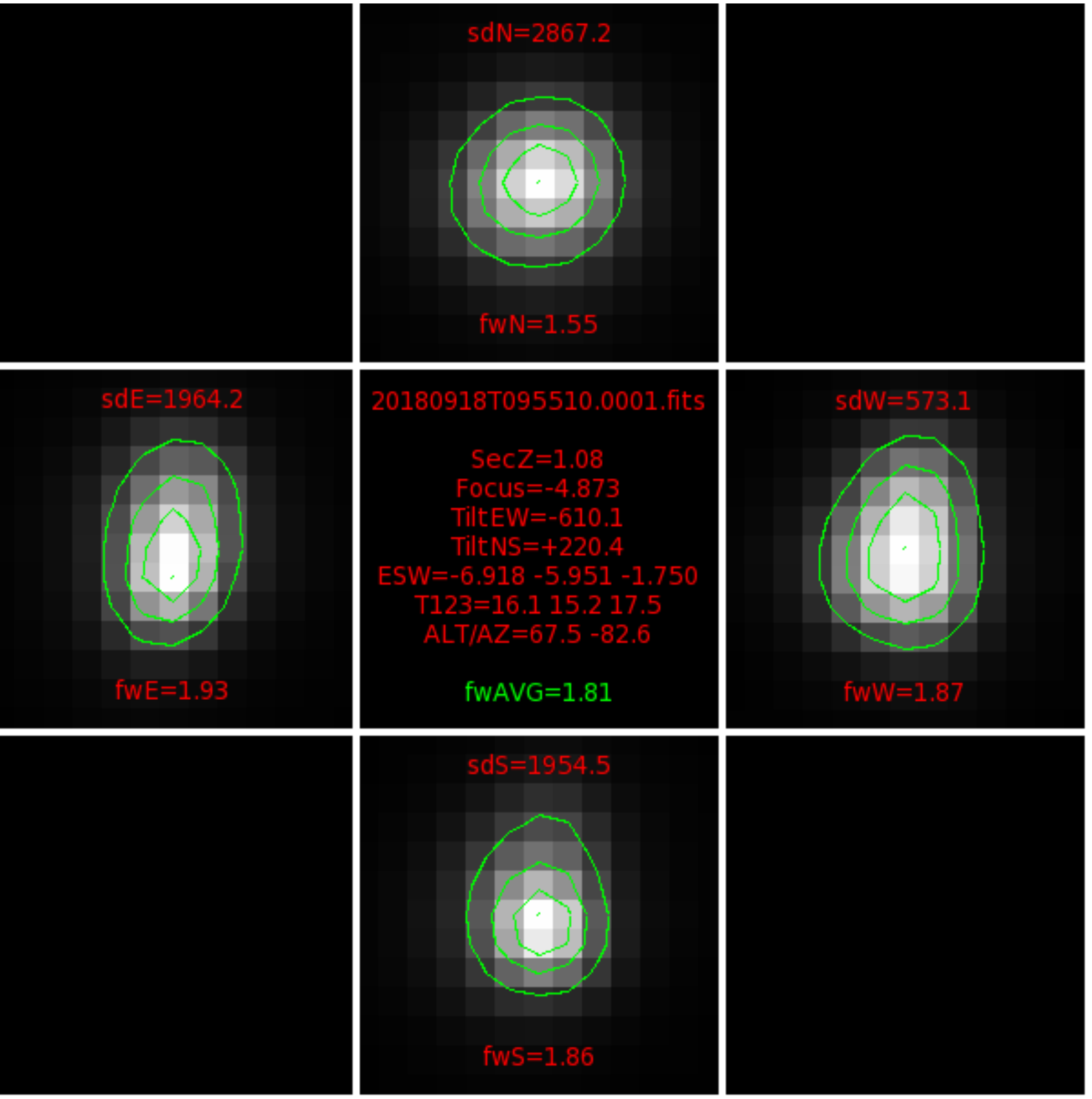
sdN=2867.2
fwN=1.55
sdE=1964.2
fwE=1.93
20180918T095510.0001.fits
SecZ=1.08
Focus=-4.873
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.918 -5.951 -1.750
T123=16.1 15.2 17.5
ALT/AZ=67.5 -82.6
fwAVG=1.81
sdW=573.1
fwW=1.87
sdS=1954.5
fwS=1.86
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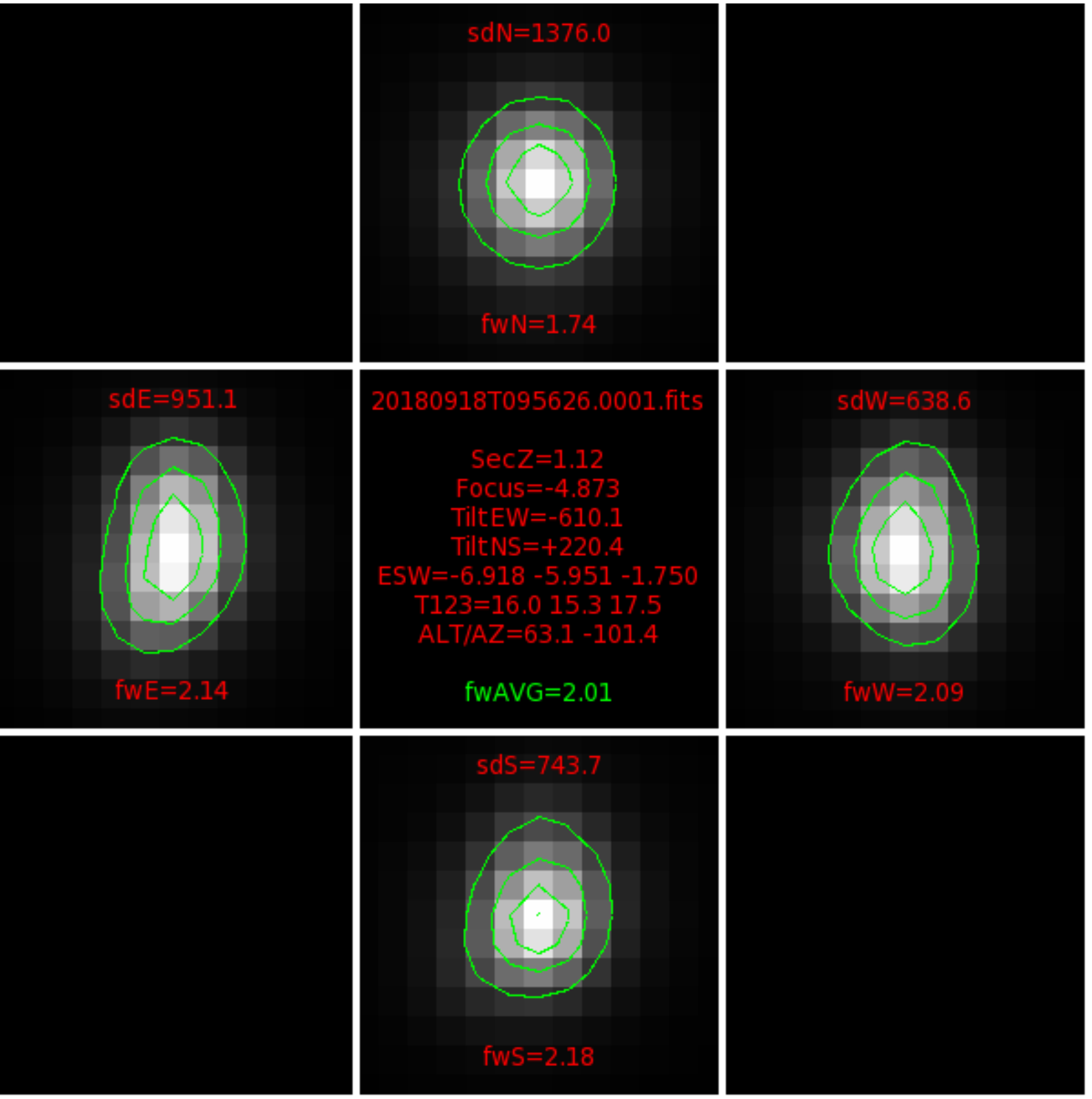
sdN=1376.0
fwN=1.74
sdE=951.1
fwE=2.14
20180918T095626.0001.fits
SecZ=1.12
Focus=-4.873
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.918 -5.951 -1.750
T123=16.0 15.3 17.5
ALT/AZ=63.1 -101.4
fwAVG=2.01
sdW=638.6
fwW=2.09
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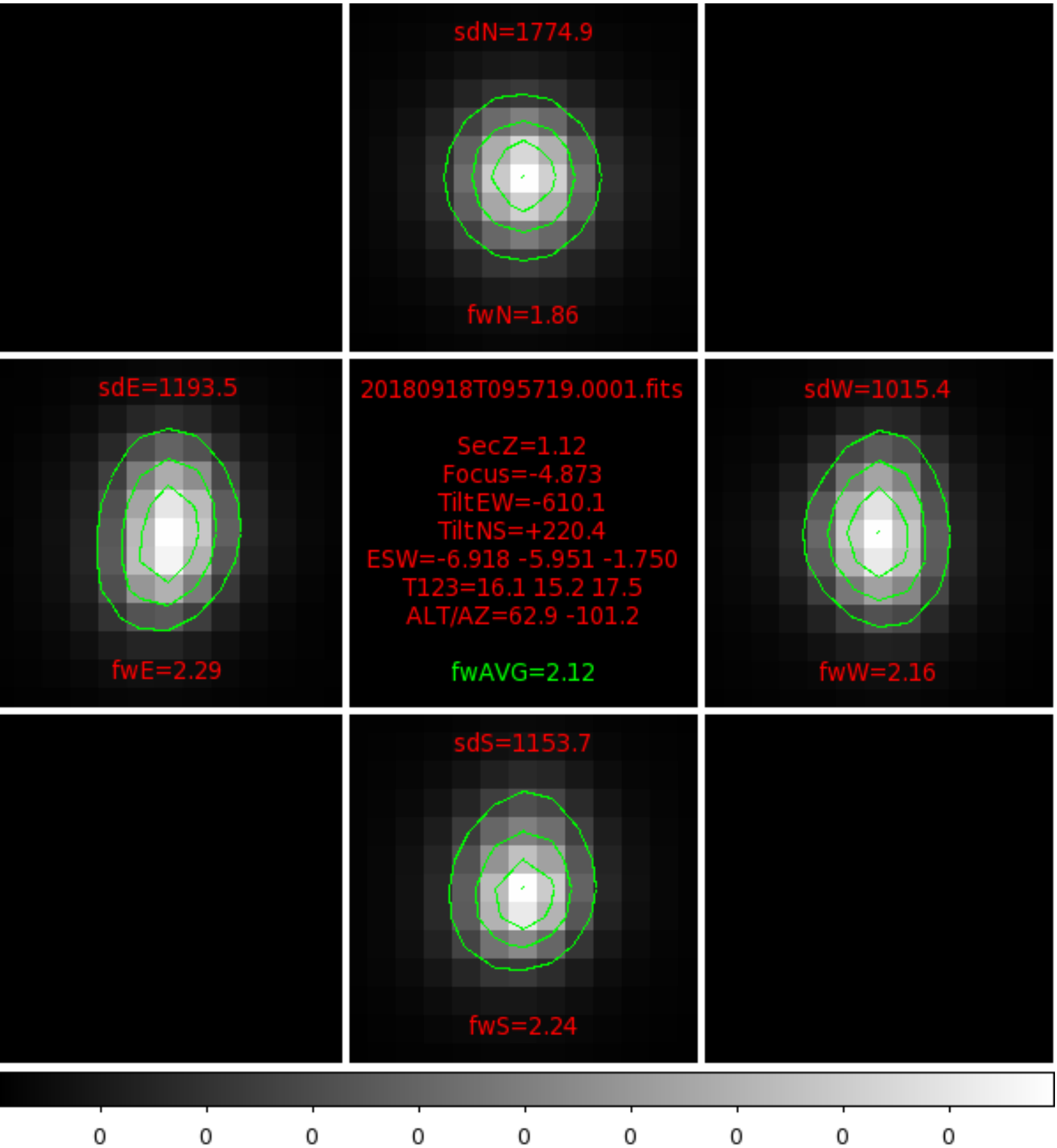
sdN=1774.9
fwN=1.86
sdE=1193.5
fwE=2.29
20180918T095719.0001.fits
SecZ=1.12
Focus=-4.873
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.918 -5.951 -1.750
T123=16.1 15.2 17.5
ALT/AZ=62.9 -101.2
fwAVG=2.12
sdW=1015.4
fwW=2.16
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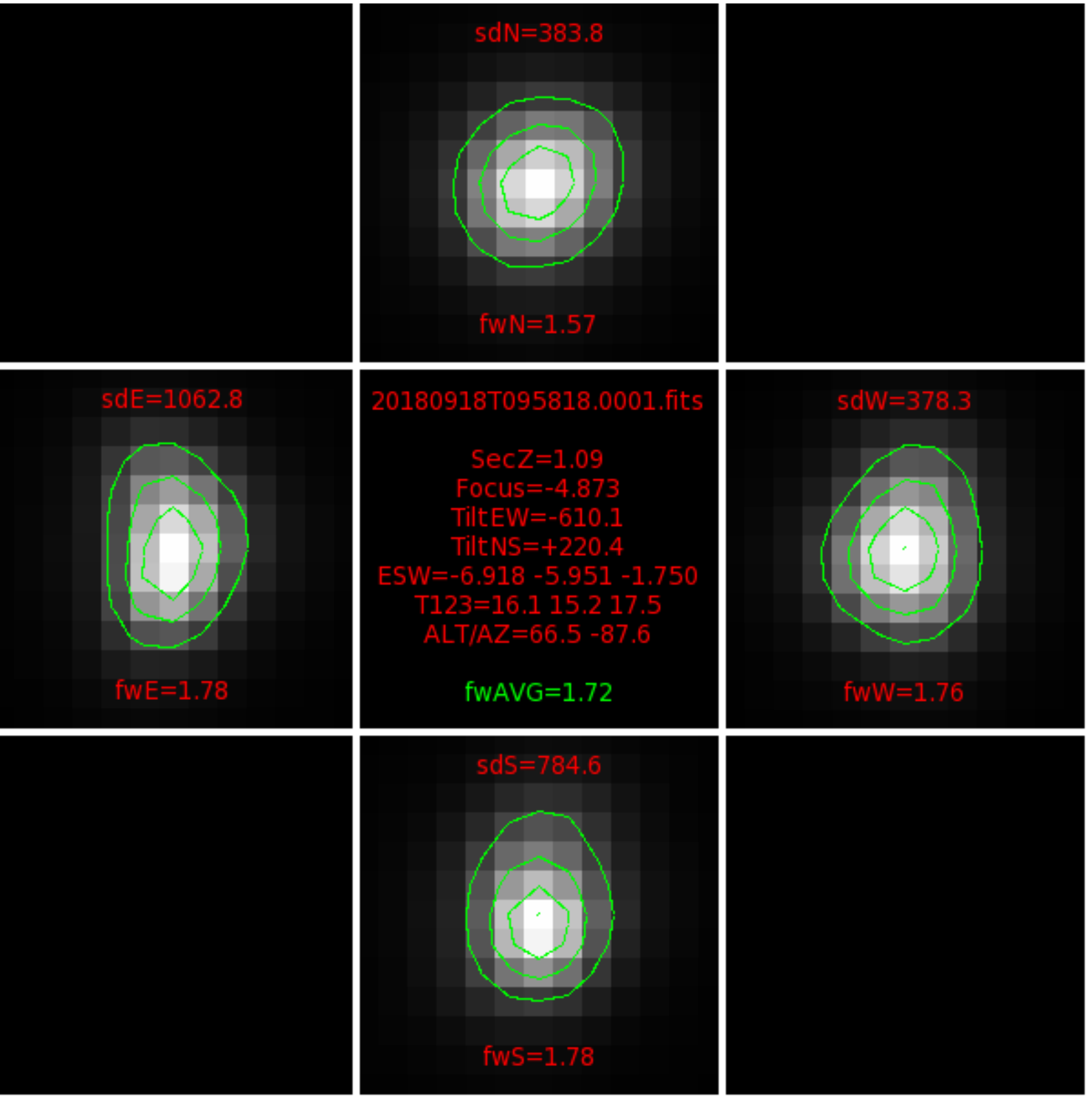
sdN=383.8
fwN=1.57
sdE=1062.8
fwE=1.78
20180918T095818.0001.fits
SecZ=1.09
Focus=-4.873
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.918 -5.951 -1.750
T123=16.1 15.2 17.5
ALT/AZ=66.5 -87.6
fwAVG=1.72
sdW=378.3
fwW=1.76
sdS=784.6
fwS=1.78
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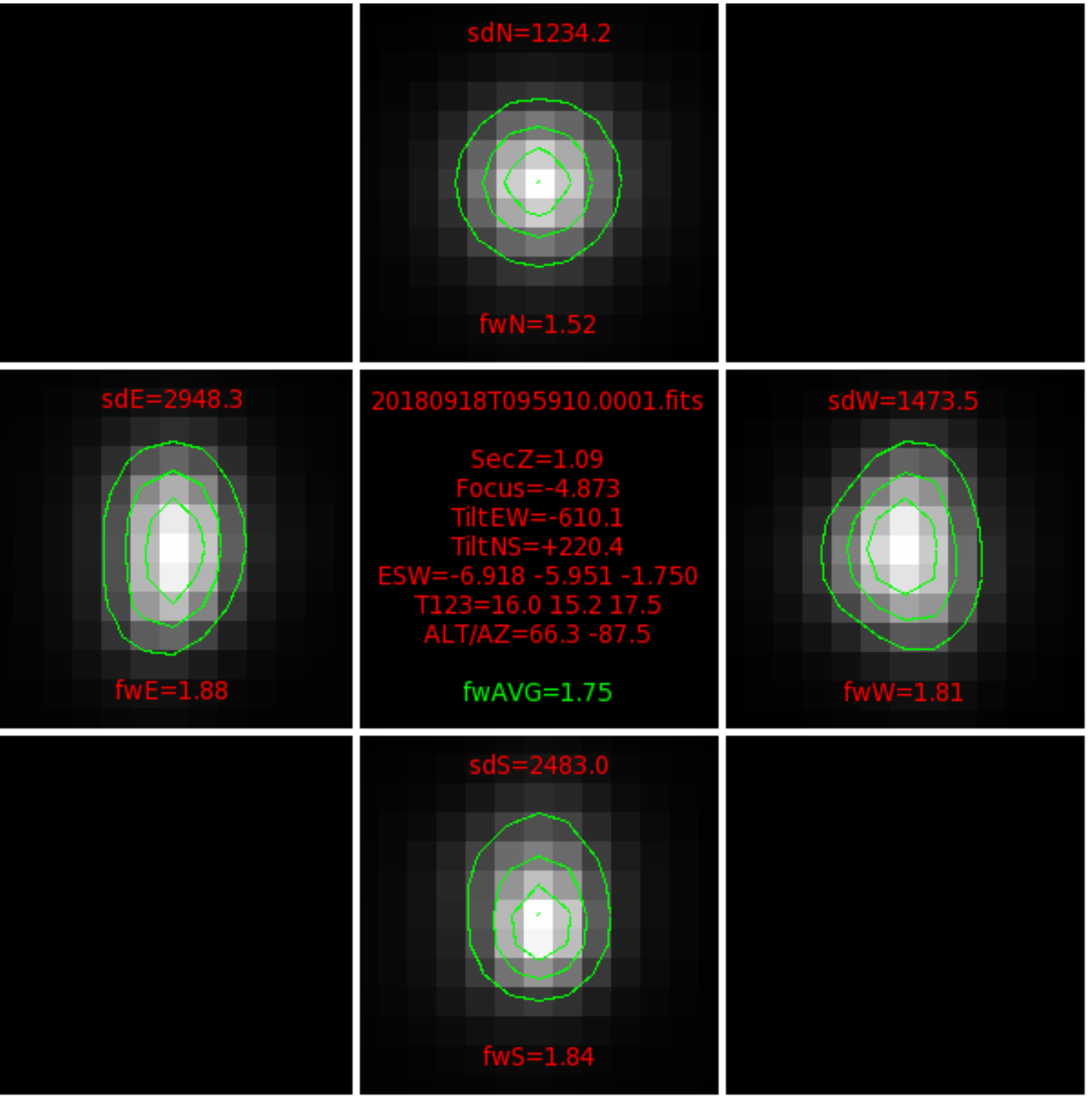
sdN=1234.2
fwN=1.52
sdE=2948.3
fwE=1.88
20180918T095910.0001.fits
SecZ=1.09
Focus=-4.873
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.918 -5.951 -1.750
T123=16.0 15.2 17.5
ALT/AZ=66.3 -87.5
fwAVG=1.75
sdW=1473.5
fwW=1.81
sdS=2483.0
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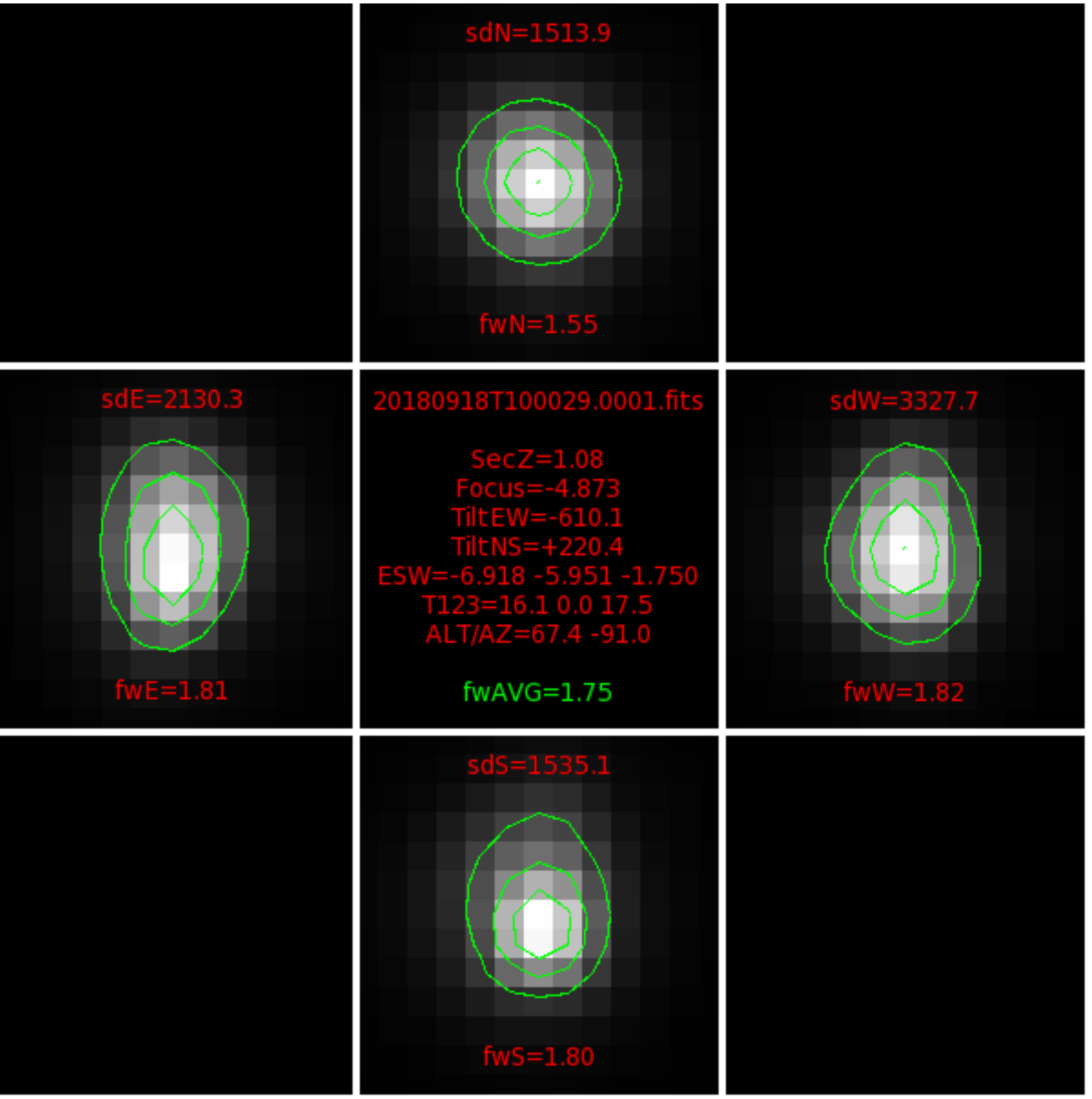
sdN=1513.9
fwN=1.55
sdE=2130.3
fwE=1.81
20180918T100029.0001.fits
SecZ=1.08
Focus=-4.873
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.918 -5.951 -1.750
T123=16.1 0.0 17.5
ALT/AZ=67.4 -91.0
fwAVG=1.75
sdW=3327.7
fwW=1.82
sdS=1535.1
fwS=1.80
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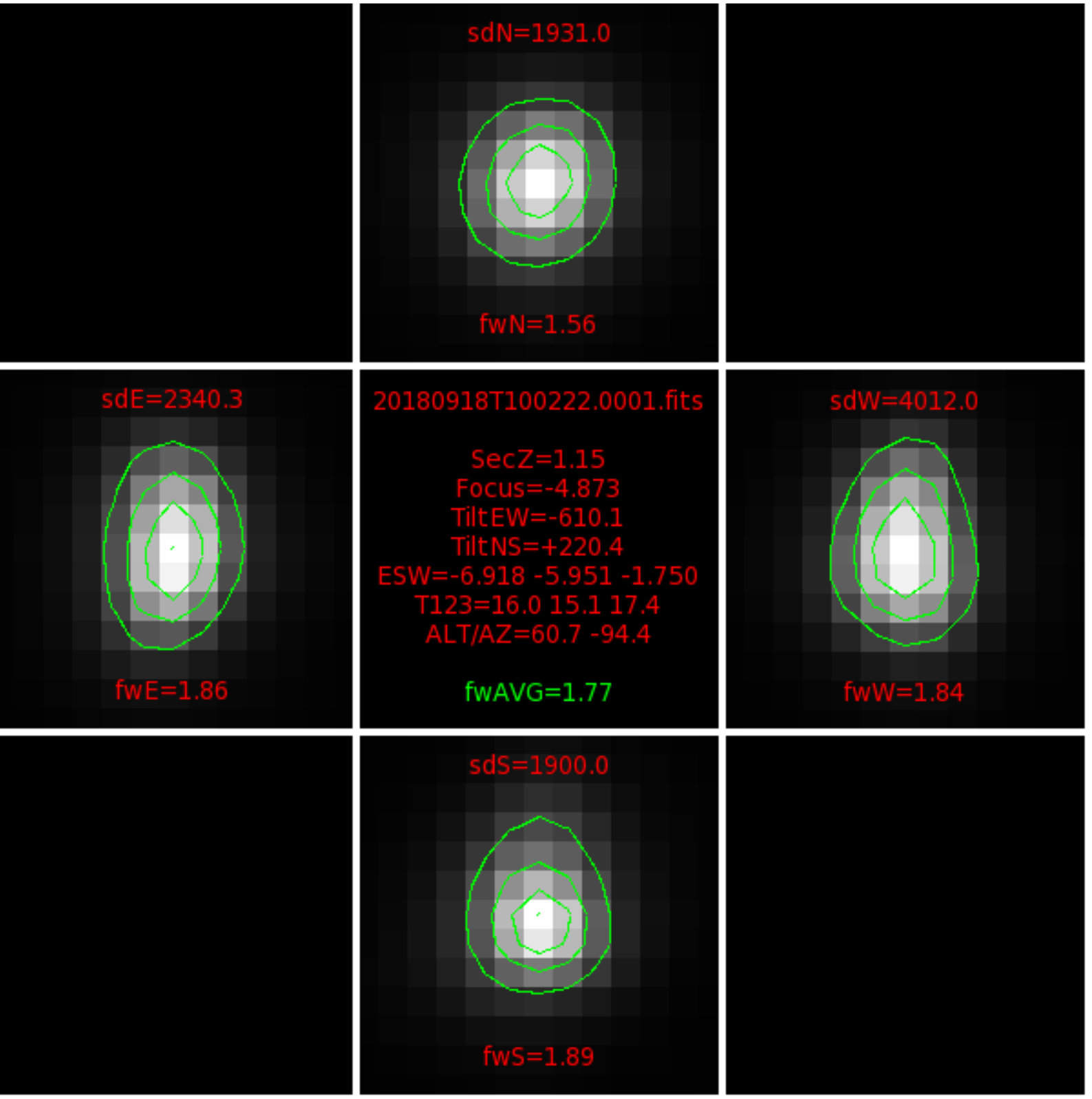
sdN=1931.0
fwN=1.56
sdE=2340.3
fwE=1.86
20180918T100222.0001.fits
SecZ=1.15
Focus=-4.873
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.918 -5.951 -1.750
T123=16.0 15.1 17.4
ALT/AZ=60.7 -94.4
fwAVG=1.77
sdW=4012.0
fwW=1.84
sdS=1900.0
fwS=1.89
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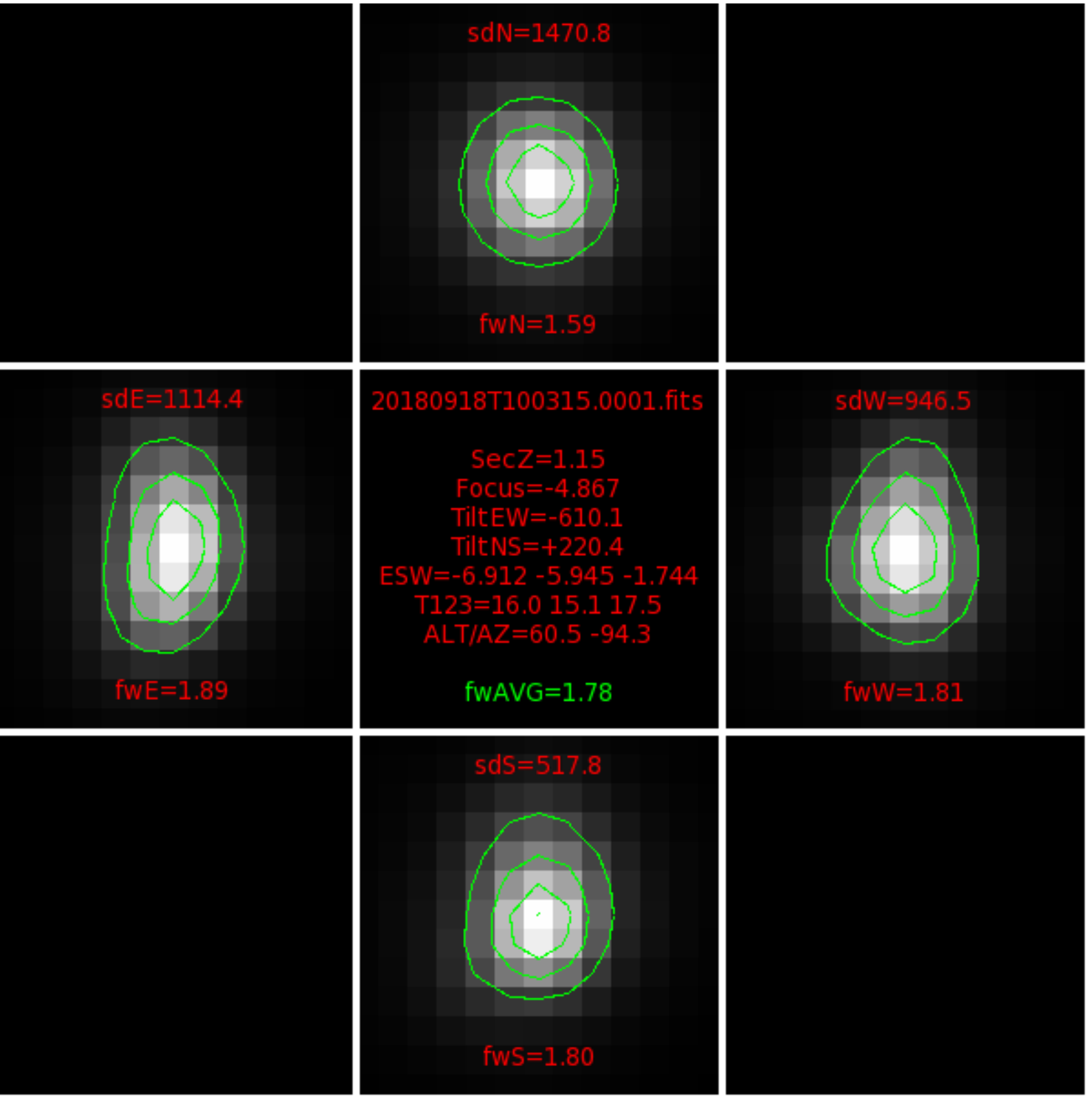
sdN=1470.8
fwN=1.59
sdE=1114.4
fwE=1.89
20180918T100315.0001.fits
SecZ=1.15
Focus=-4.867
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.912 -5.945 -1.744
T123=16.0 15.1 17.5
ALT/AZ=60.5 -94.3
fwAVG=1.78
sdW=946.5
fwW=1.81
sdS=517.8
fwS=1.80
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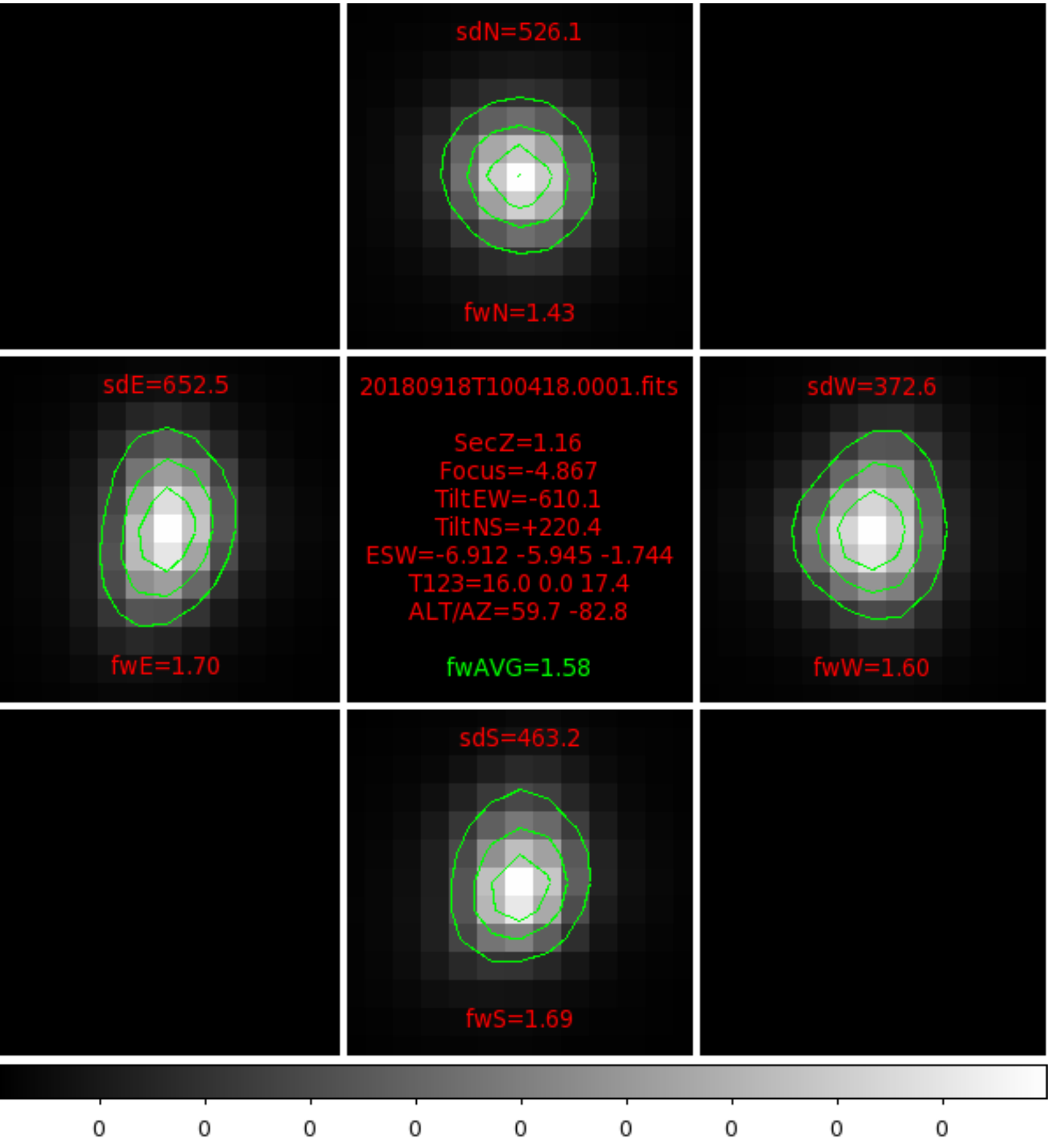
sdN=526.1
fwN=1.43
sdE=652.5
fwE=1.70
20180918T100418.0001.fits
SecZ=1.16
Focus=-4.867
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.912 -5.945 -1.744
T123=16.0 0.0 17.4
ALT/AZ=59.7 -82.8
fwAVG=1.58
sdW=372.6
fwW=1.60
sdS=463.2
fwS=1.69
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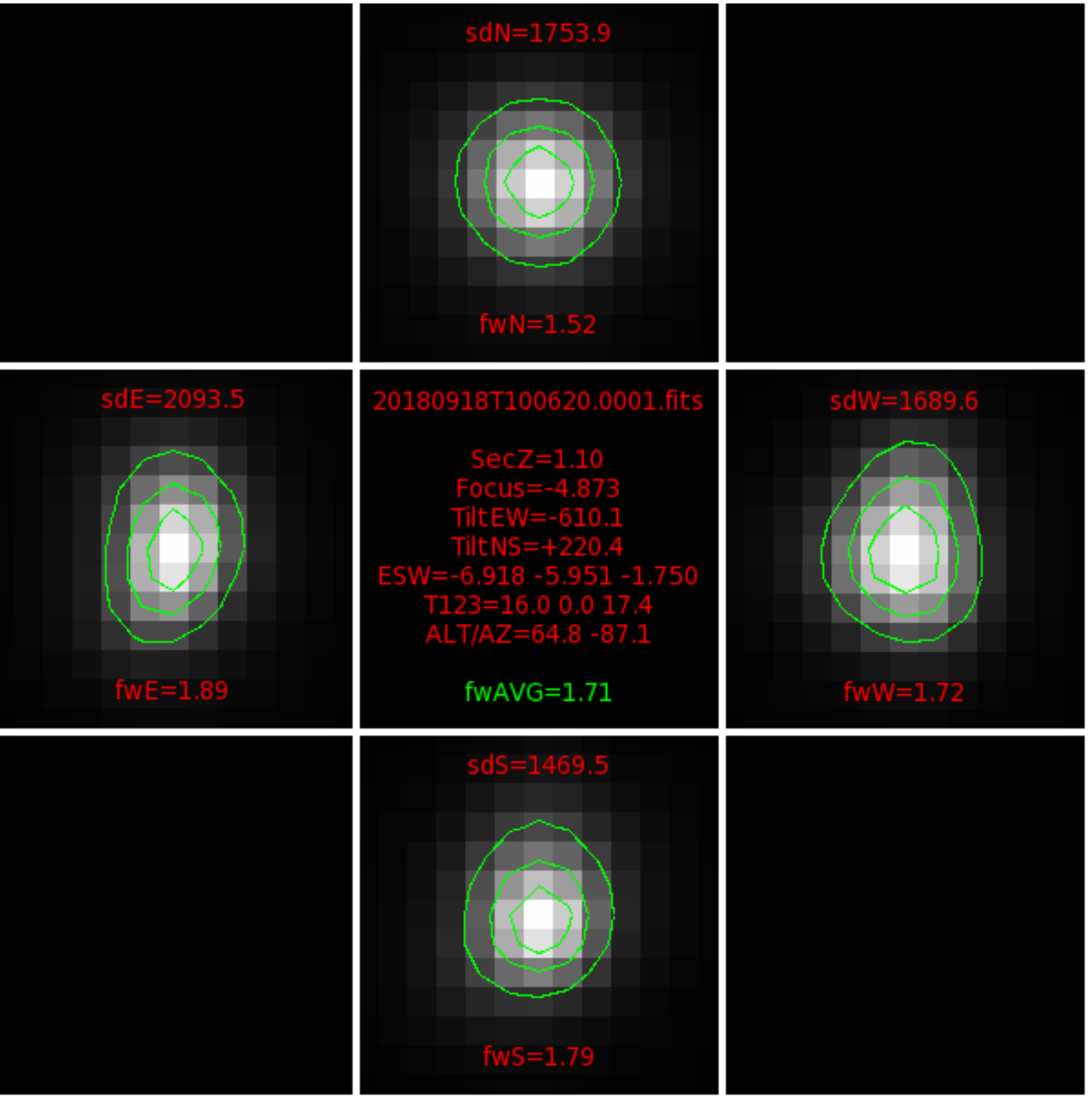
sdN=1753.9
fwN=1.52
sdE=2093.5
fwE=1.89
20180918T100620.0001.fits
SecZ=1.10
Focus=-4.873
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.918 -5.951 -1.750
T123=16.0 0.0 17.4
ALT/AZ=64.8 -87.1
fwAVG=1.71
sdW=1689.6
fwW=1.72
sdS=1469.5
fwS=1.79
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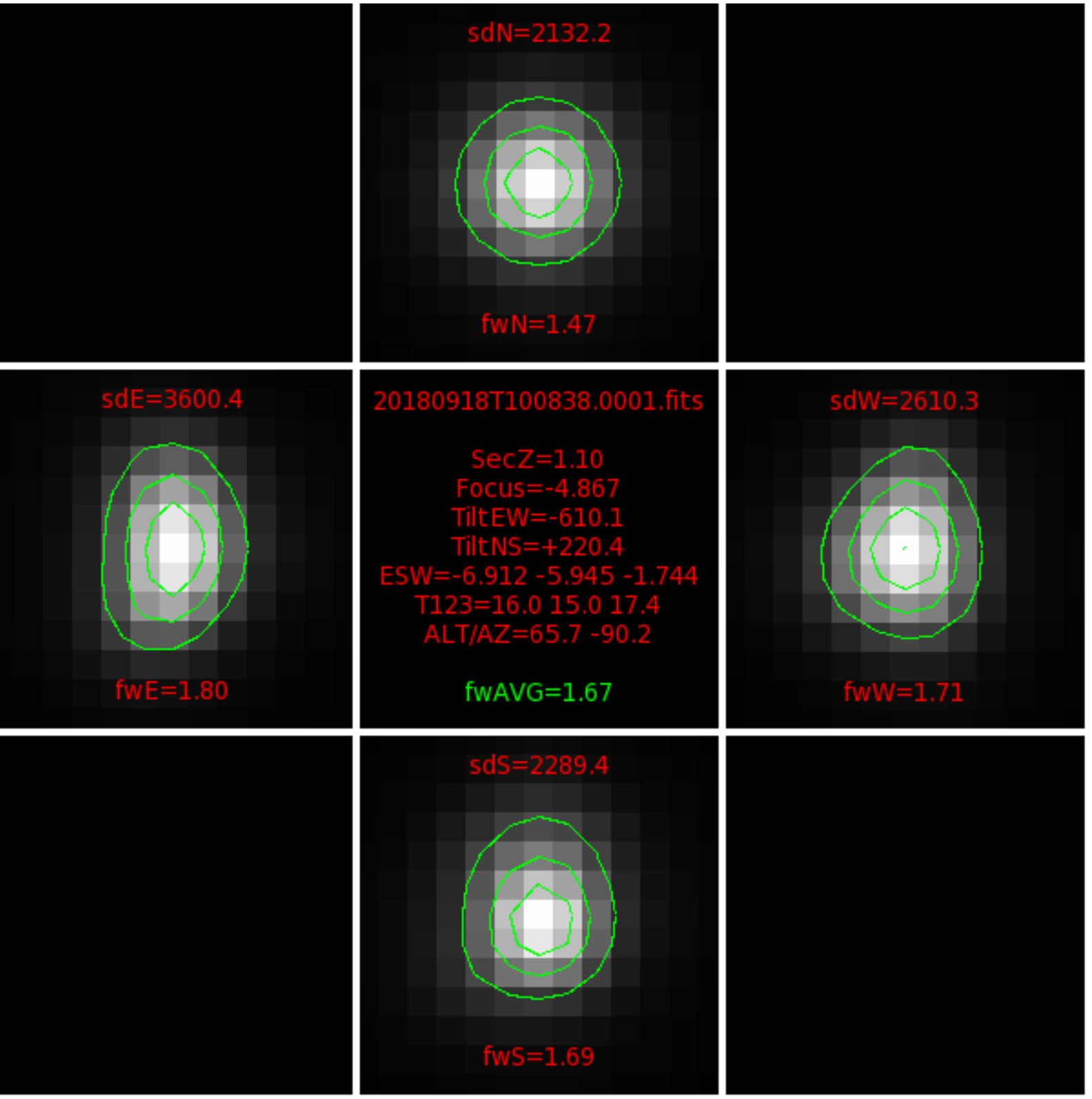
sdN=2132.2
fwN=1.47
sdE=3600.4
fwE=1.80
20180918T100838.0001.fits
SecZ=1.10
Focus=-4.867
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.912 -5.945 -1.744
T123=16.0 15.0 17.4
ALT/AZ=65.7 -90.2
fwAVG=1.67
sdW=2610.3
fwW=1.71
sdS=2289.4
fwS=1.69
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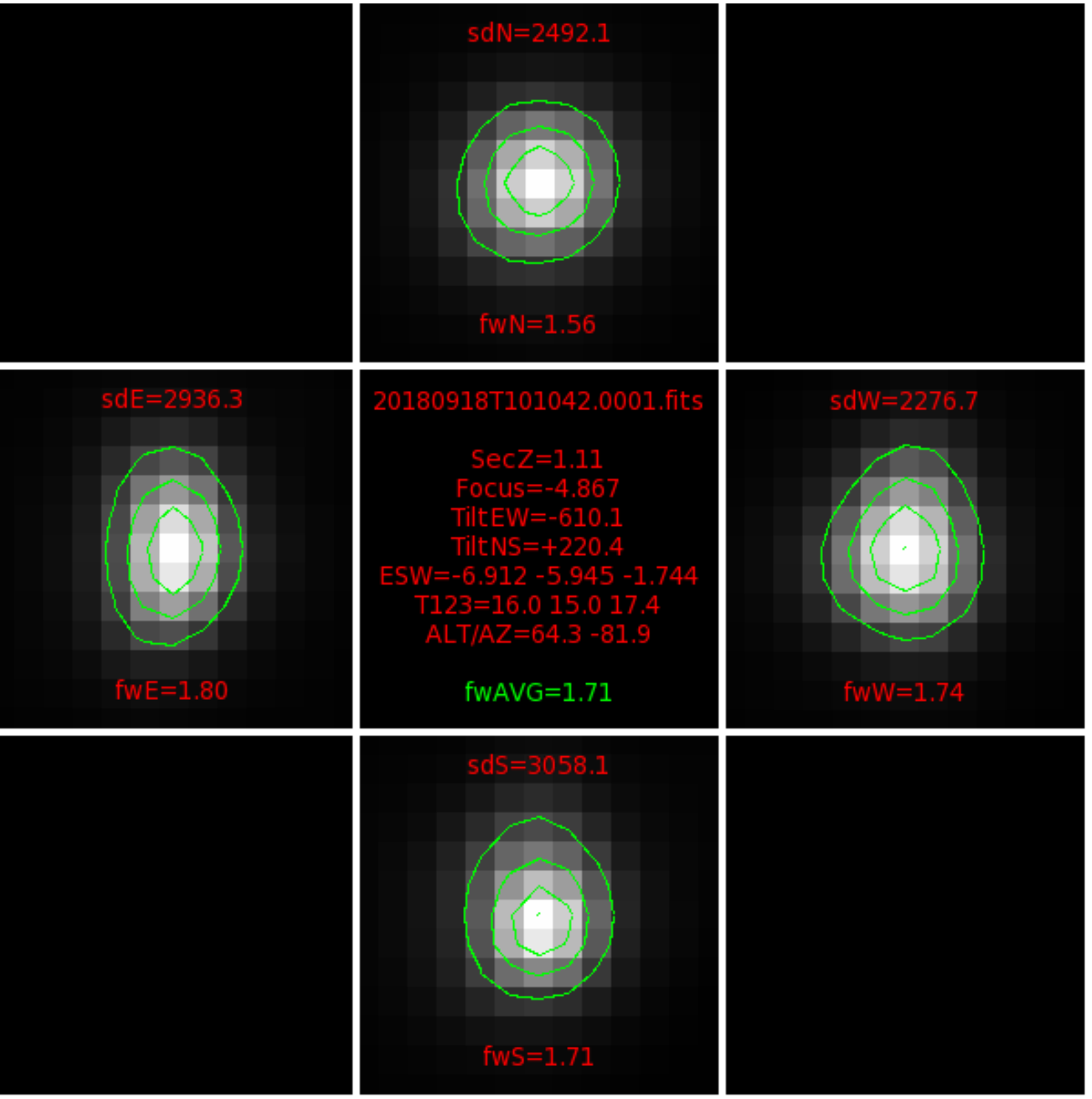
sdN=2492.1
fwN=1.56
sdE=2936.3
fwE=1.80
20180918T101042.0001.fits
SecZ=1.11
Focus=-4.867
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.912 -5.945 -1.744
T123=16.0 15.0 17.4
ALT/AZ=64.3 -81.9
fwAVG=1.71
sdW=2276.7
fwW=1.74
sdS=3058.1
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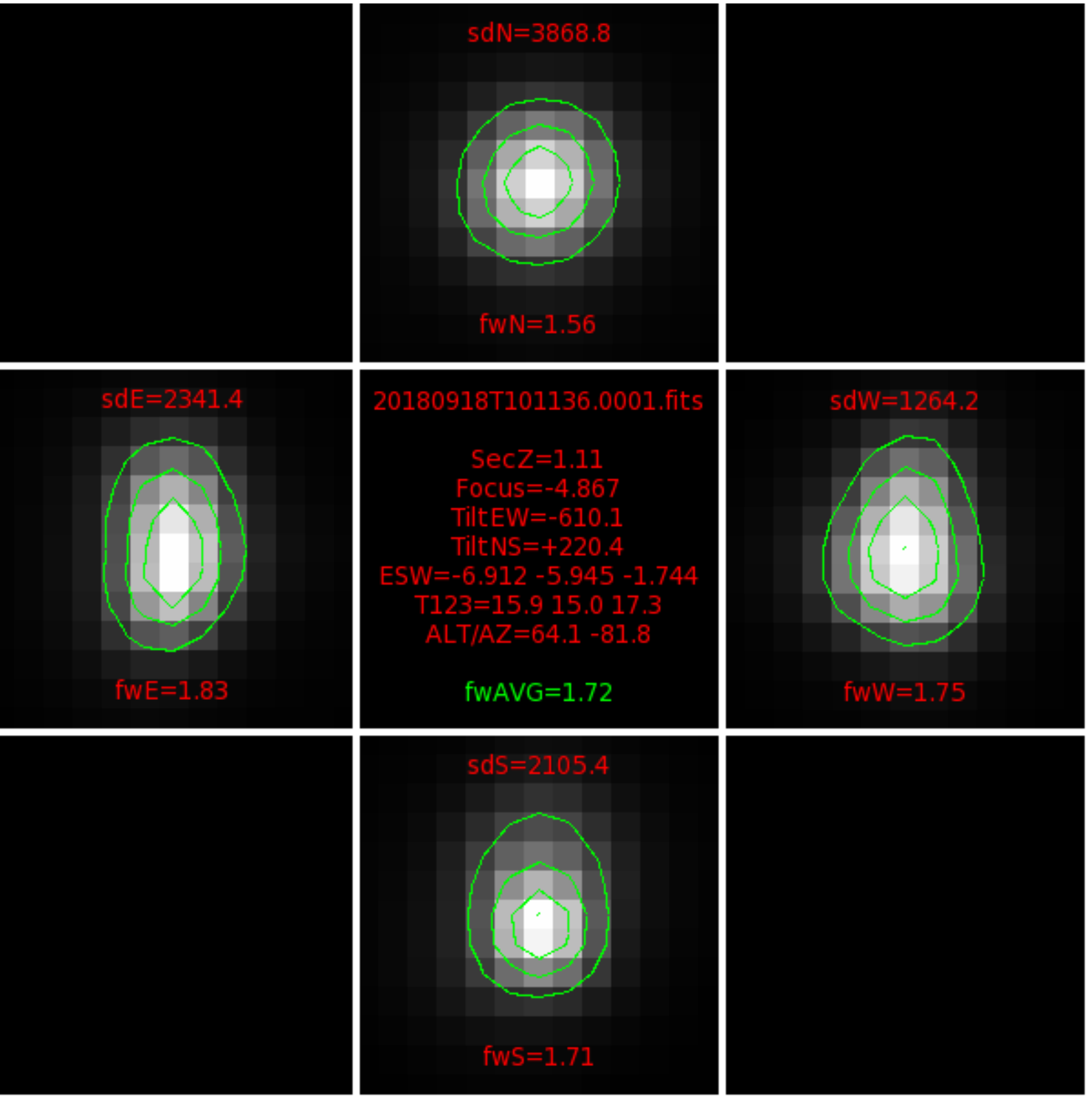
sdN=3868.8
fwN=1.56
sdE=2341.4
fwE=1.83
20180918T101136.0001.fits
SecZ=1.11
Focus=-4.867
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.912 -5.945 -1.744
T123=15.9 15.0 17.3
ALT/AZ=64.1 -81.8
fwAVG=1.72
sdW=1264.2
fwW=1.75
sdS=2105.4
fwS=1.71
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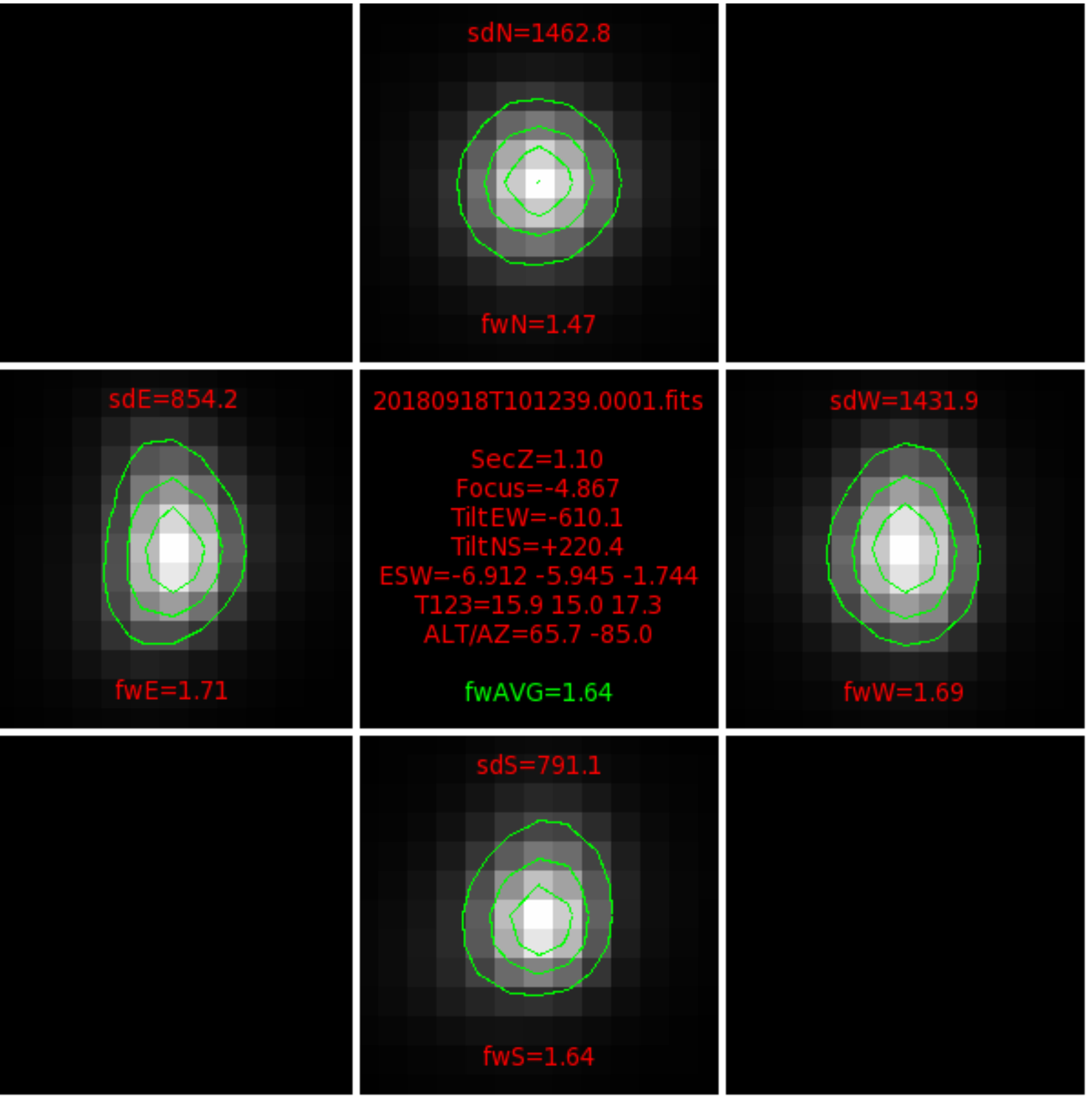
sdN=1462.8
fwN=1.47
sdE=854.2
fwE=1.71
20180918T101239.0001.fits
SecZ=1.10
Focus=-4.867
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.912 -5.945 -1.744
T123=15.9 15.0 17.3
ALT/AZ=65.7 -85.0
fwAVG=1.64
sdW=1431.9
fwW=1.69
sdS=791.1
fwS=1.64
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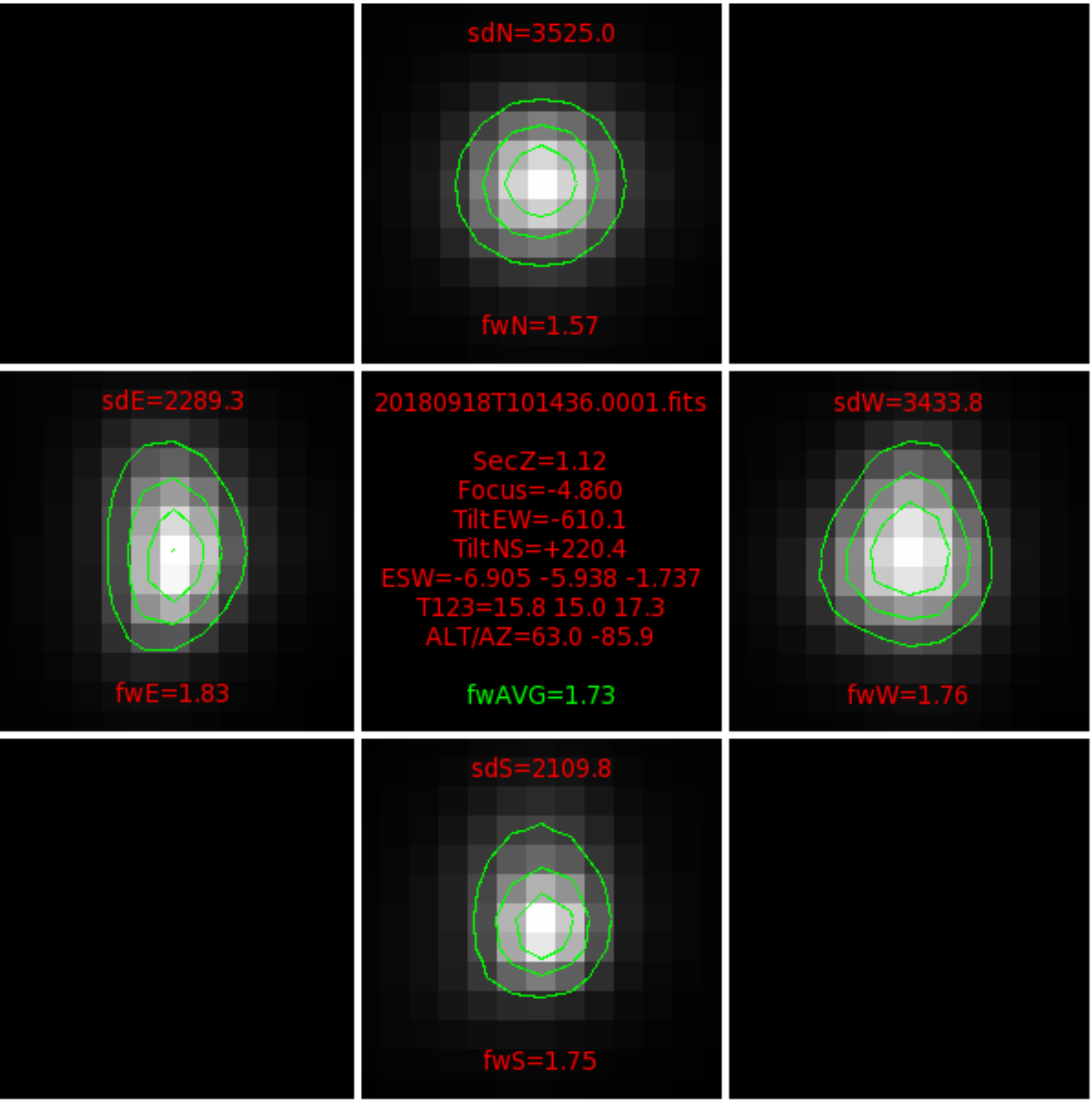
sdN=3525.0
fwN=1.57
sdE=2289.3
fwE=1.83
20180918T101436.0001.fits
SecZ=1.12
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=15.8 15.0 17.3
ALT/AZ=63.0 -85.9
fwAVG=1.73
sdW=3433.8
fwW=1.76
sdS=2109.8
fwS=1.75
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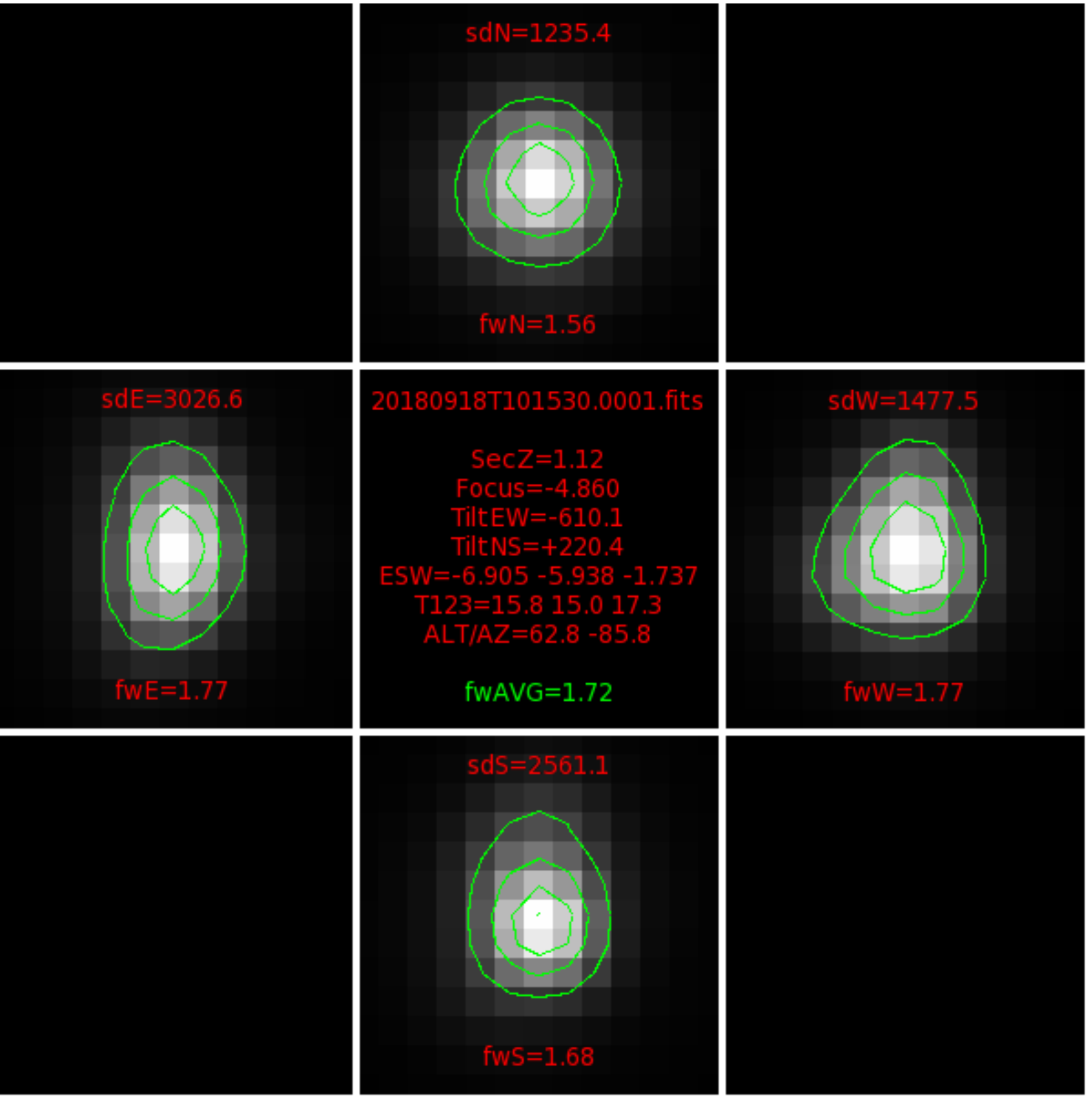
sdN=1235.4
fwN=1.56
sdE=3026.6
fwE=1.77
20180918T101530.0001.fits
SecZ=1.12
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=15.8 15.0 17.3
ALT/AZ=62.8 -85.8
fwAVG=1.72
sdW=1477.5
fwW=1.77
sdS=2561.1
fwS=1.68
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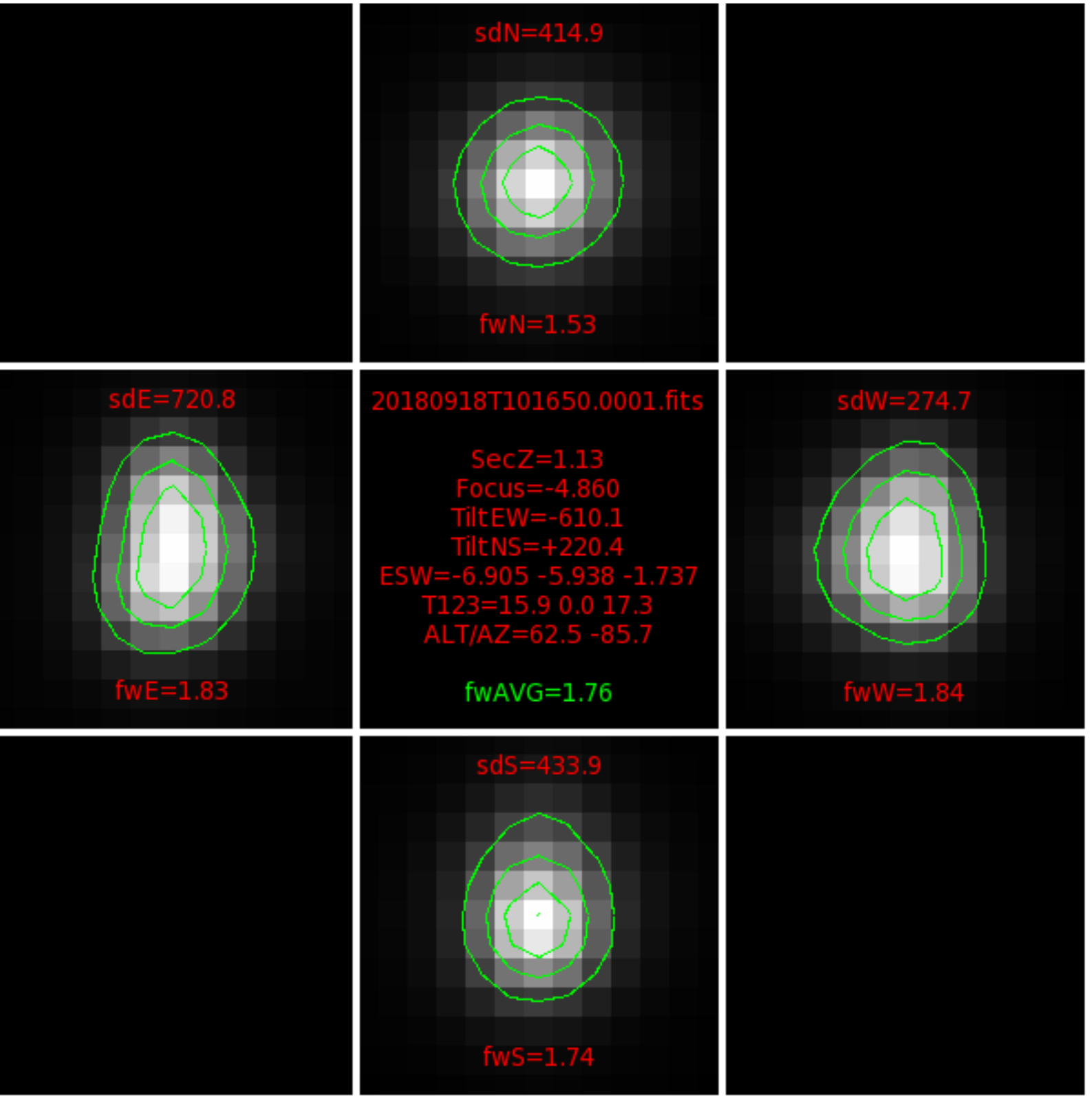
sdN=414.9
fwN=1.53
sdE=720.8
fwE=1.83
20180918T101650.0001.fits
SecZ=1.13
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=15.9 0.0 17.3
ALT/AZ=62.5 -85.7
fwAVG=1.76
sdW=274.7
fwW=1.84
sdS=433.9
fwS=1.74
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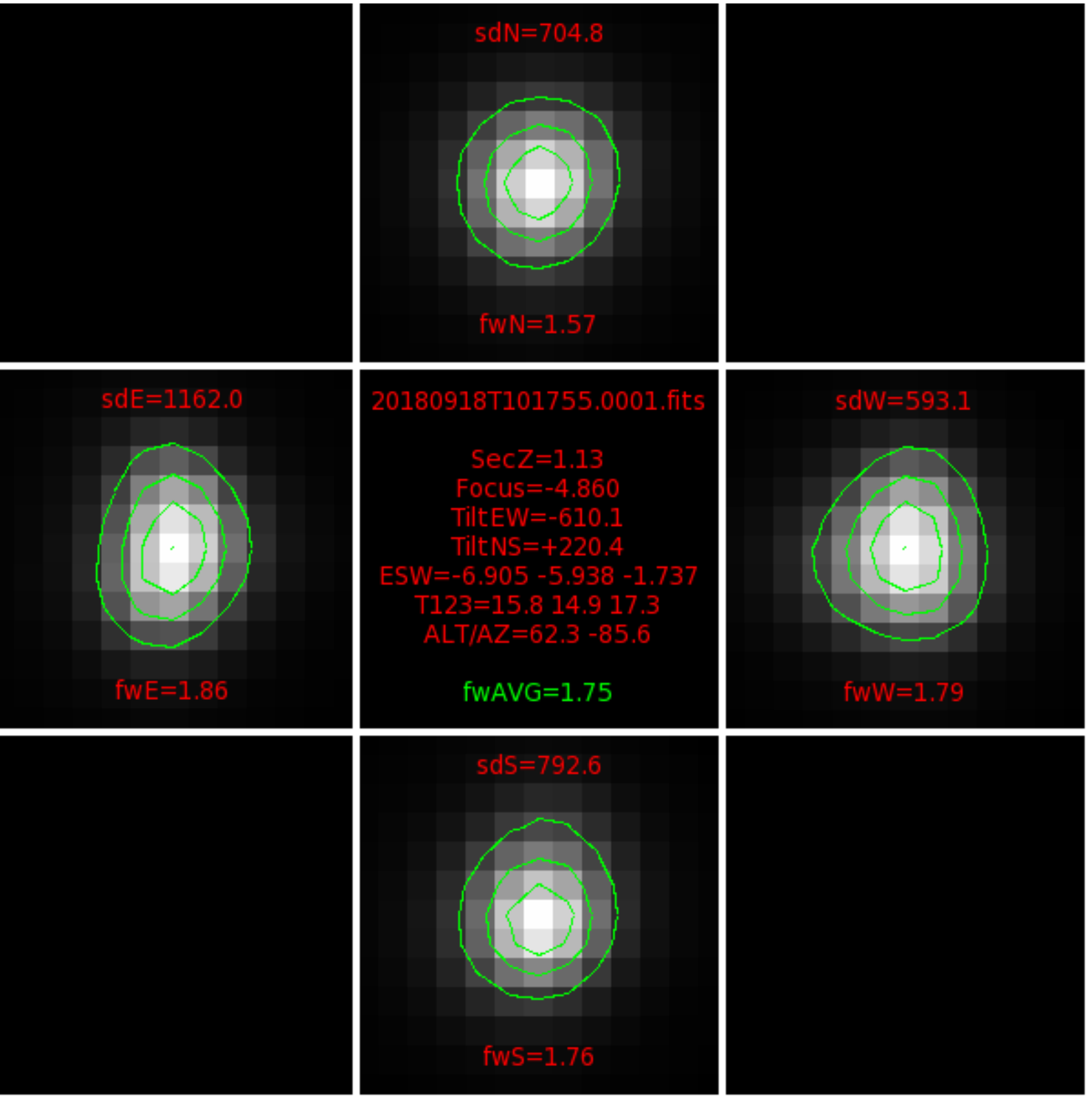
sdN=704.8
fwN=1.57
sdE=1162.0
fwE=1.86
20180918T101755.0001.fits
SecZ=1.13
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=15.8 14.9 17.3
ALT/AZ=62.3 -85.6
fwAVG=1.75
sdW=593.1
fwW=1.79
sdS=792.6
fwS=1.76
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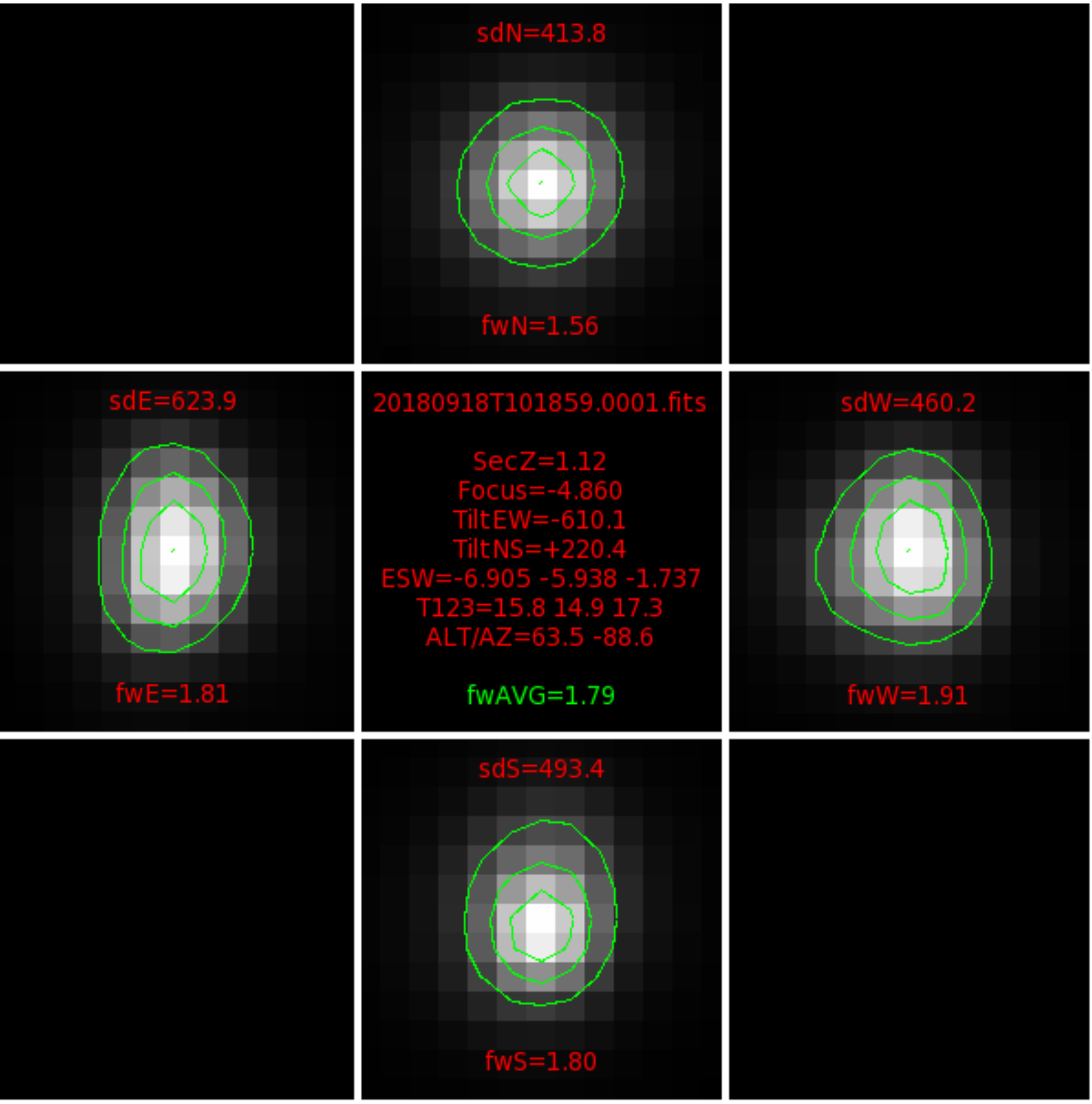
sdN=413.8
fwN=1.56
sdE=623.9
fwE=1.81
20180918T101859.0001.fits
SecZ=1.12
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=15.8 14.9 17.3
ALT/AZ=63.5 -88.6
fwAVG=1.79
sdW=460.2
fwW=1.91
sdS=493.4
fwS=1.80
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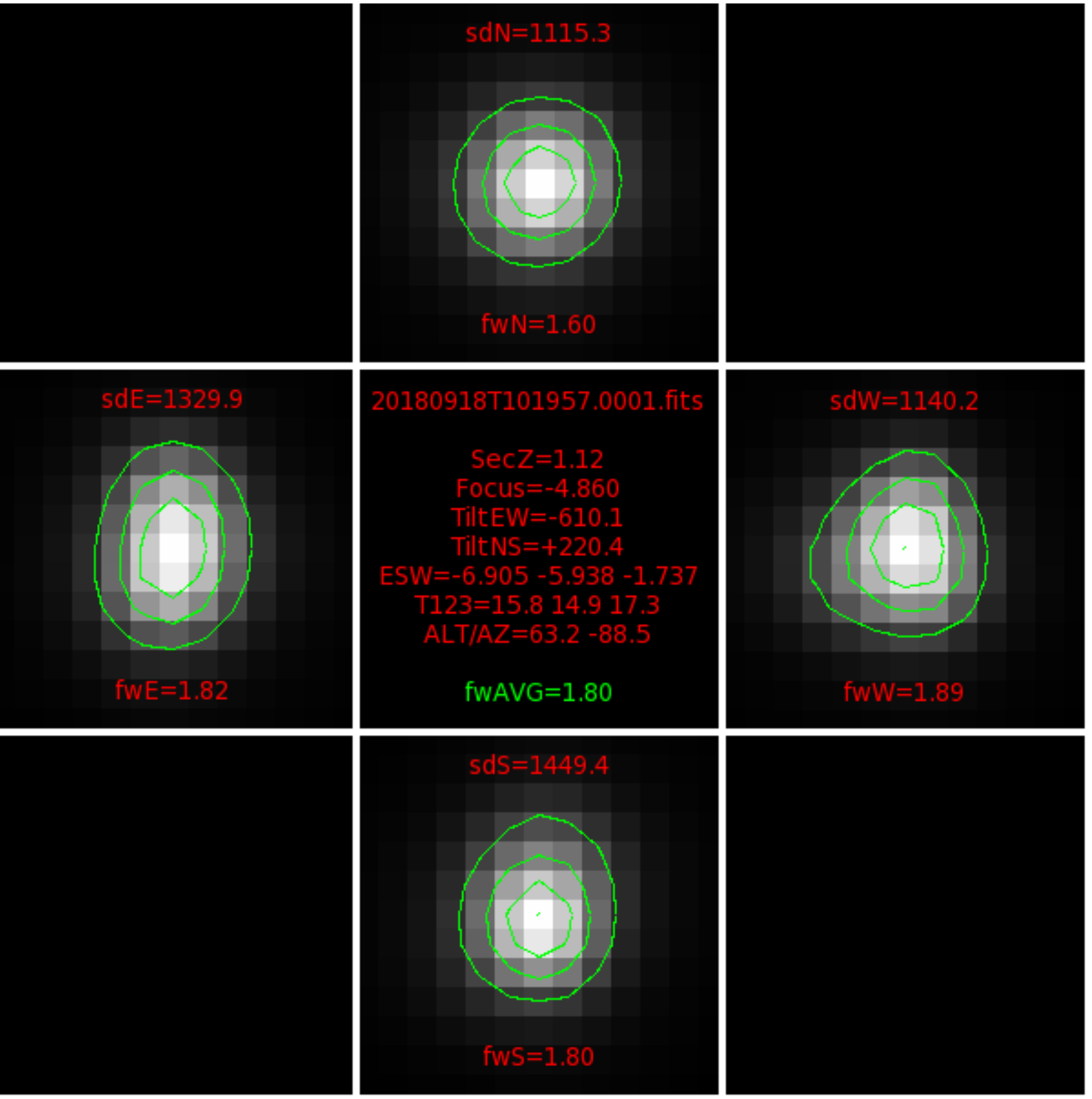
sdN=1115.3
fwN=1.60
sdE=1329.9
fwE=1.82
20180918T101957.0001.fits
SecZ=1.12
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=15.8 14.9 17.3
ALT/AZ=63.2 -88.5
fwAVG=1.80
sdW=1140.2
fwW=1.89
sdS=1449.4
fwS=1.80
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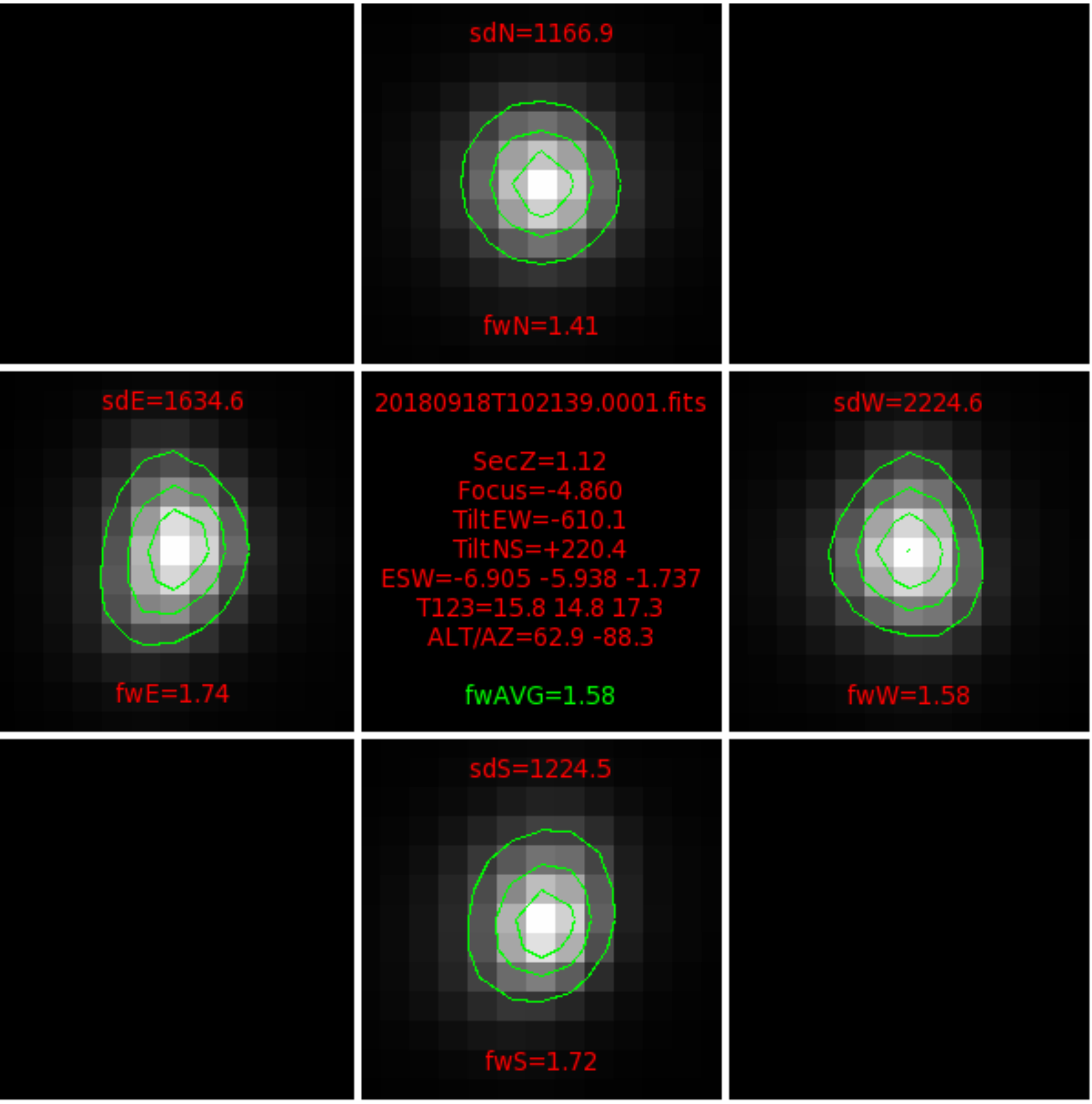
sdN=1166.9
fwN=1.41
sdE=1634.6
fwE=1.74
20180918T102139.0001.fits
SecZ=1.12
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=15.8 14.8 17.3
ALT/AZ=62.9 -88.3
fwAVG=1.58
sdW=2224.6
fwW=1.58
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fwS=1.72
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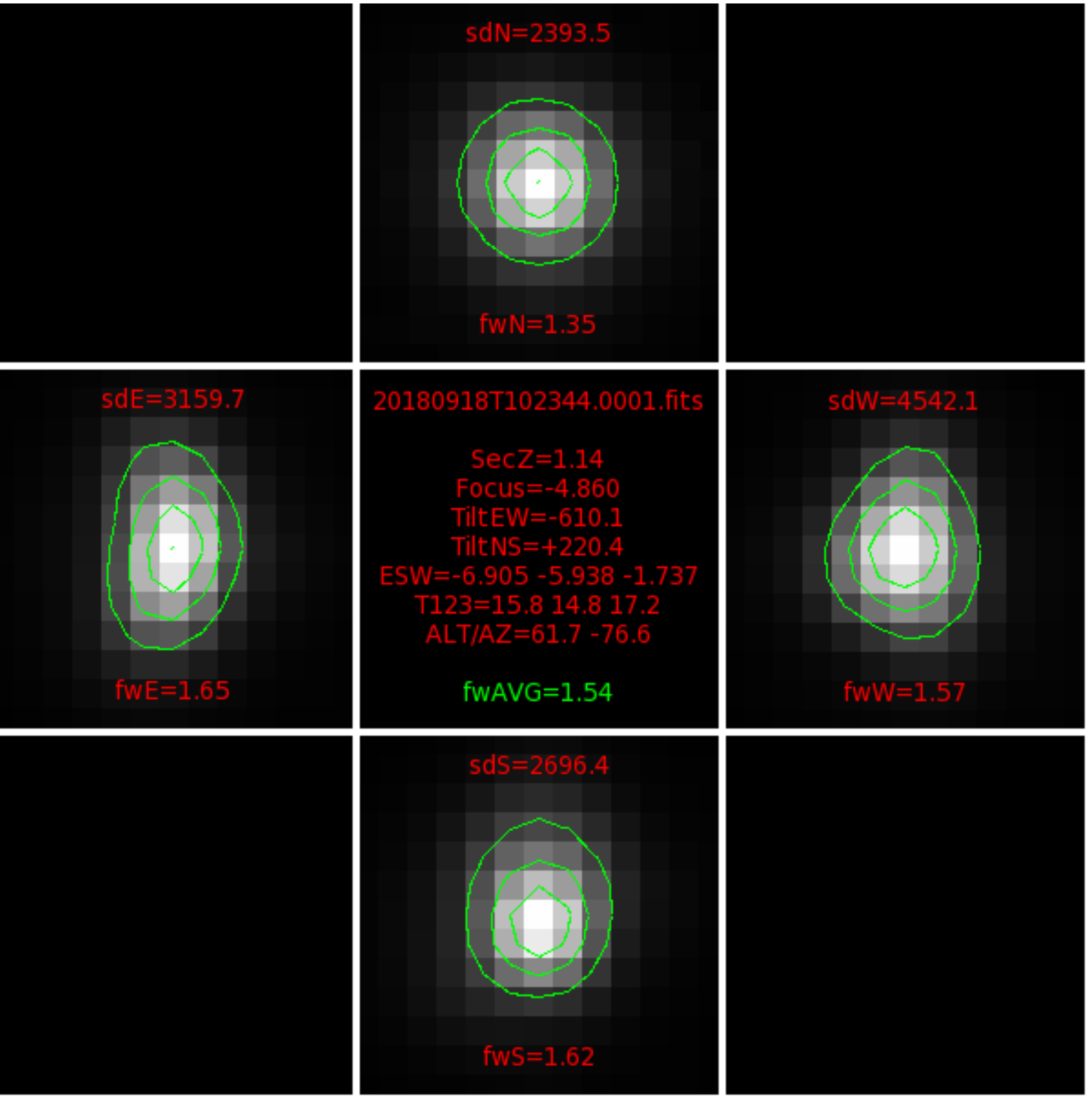
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fwN=1.35
sdE=3159.7
fwE=1.65
20180918T102344.0001.fits
SecZ=1.14
Focus=-4.860
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.905 -5.938 -1.737
T123=15.8 14.8 17.2
ALT/AZ=61.7 -76.6
fwAVG=1.54
sdW=4542.1
fwW=1.57
sdS=2696.4
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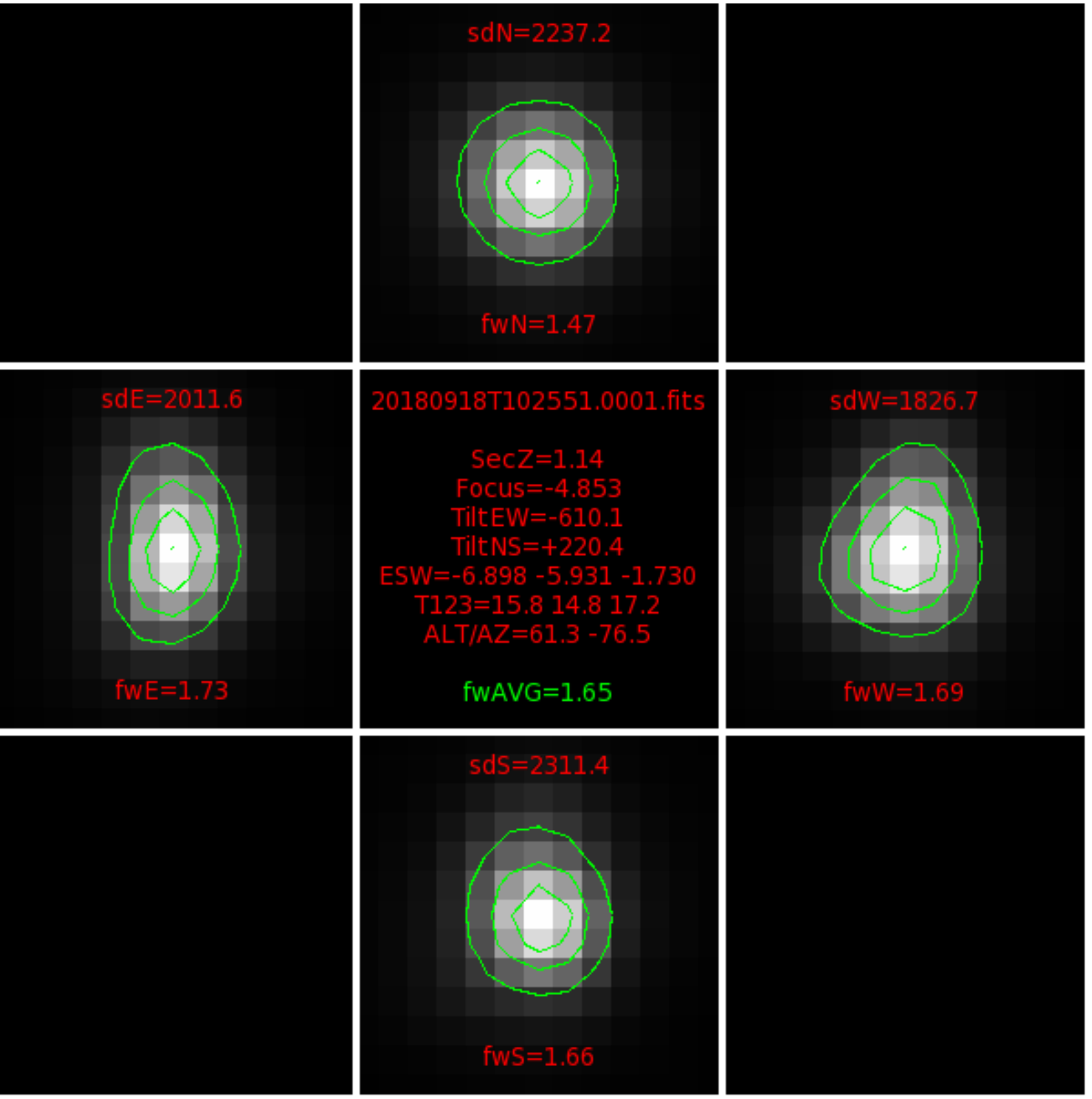
sdN=2237.2
fwN=1.47
sdE=2011.6
fwE=1.73
20180918T102551.0001.fits
SecZ=1.14
Focus=-4.853
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.898 -5.931 -1.730
T123=15.8 14.8 17.2
ALT/AZ=61.3 -76.5
fwAVG=1.65
sdW=1826.7
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sdS=2311.4
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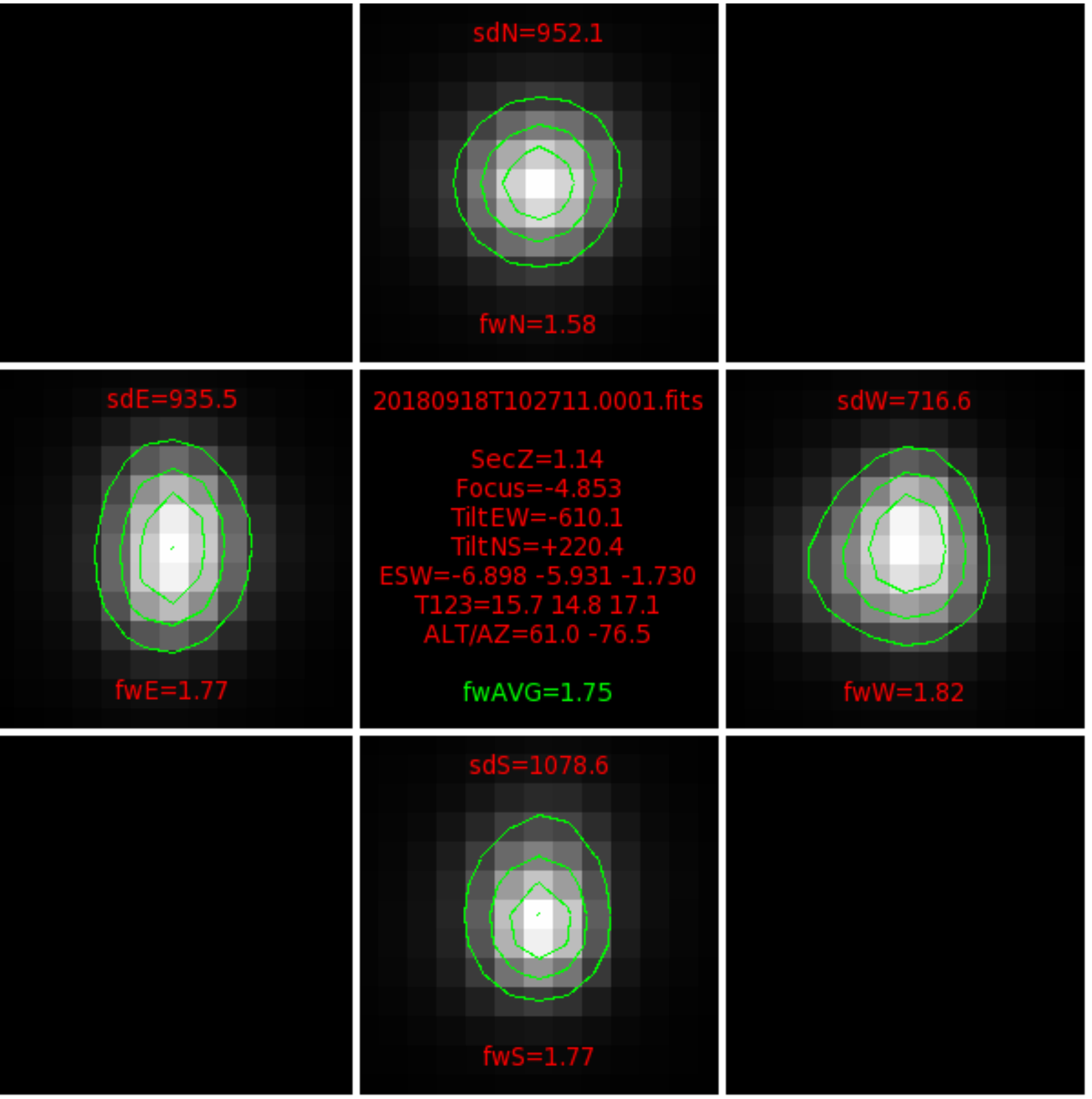
sdN=952.1
fwN=1.58
sdE=935.5
fwE=1.77
20180918T102711.0001.fits
SecZ=1.14
Focus=-4.853
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.898 -5.931 -1.730
T123=15.7 14.8 17.1
ALT/AZ=61.0 -76.5
fwAVG=1.75
sdW=716.6
fwW=1.82
sdS=1078.6
fwS=1.77
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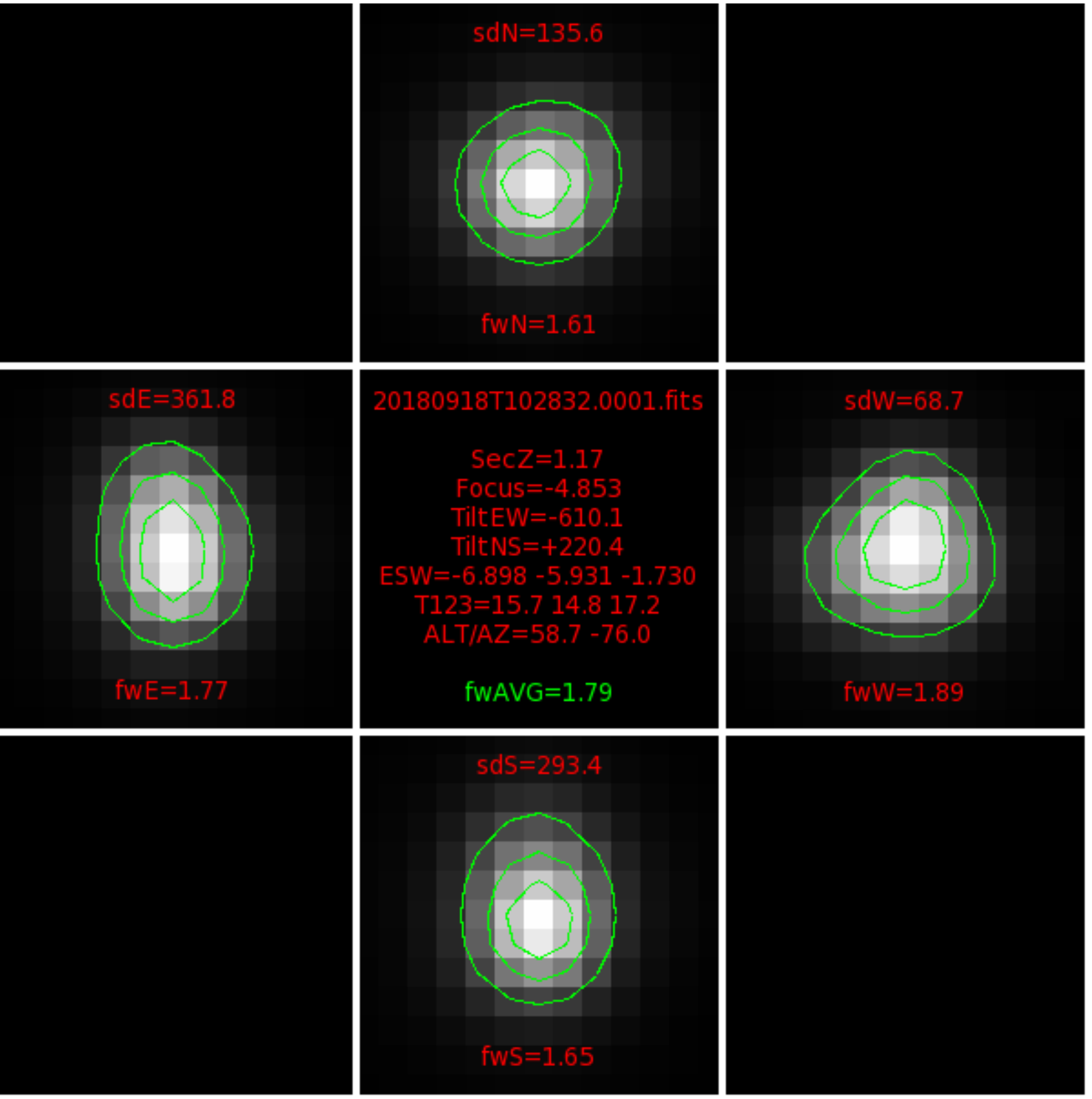
sdN=135.6
fwN=1.61
sdE=361.8
fwE=1.77
20180918T102832.0001.fits
SecZ=1.17
Focus=-4.853
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.898 -5.931 -1.730
T123=15.7 14.8 17.2
ALT/AZ=58.7 -76.0
fwAVG=1.79
sdW=68.7
fwW=1.89
sdS=293.4
fwS=1.65
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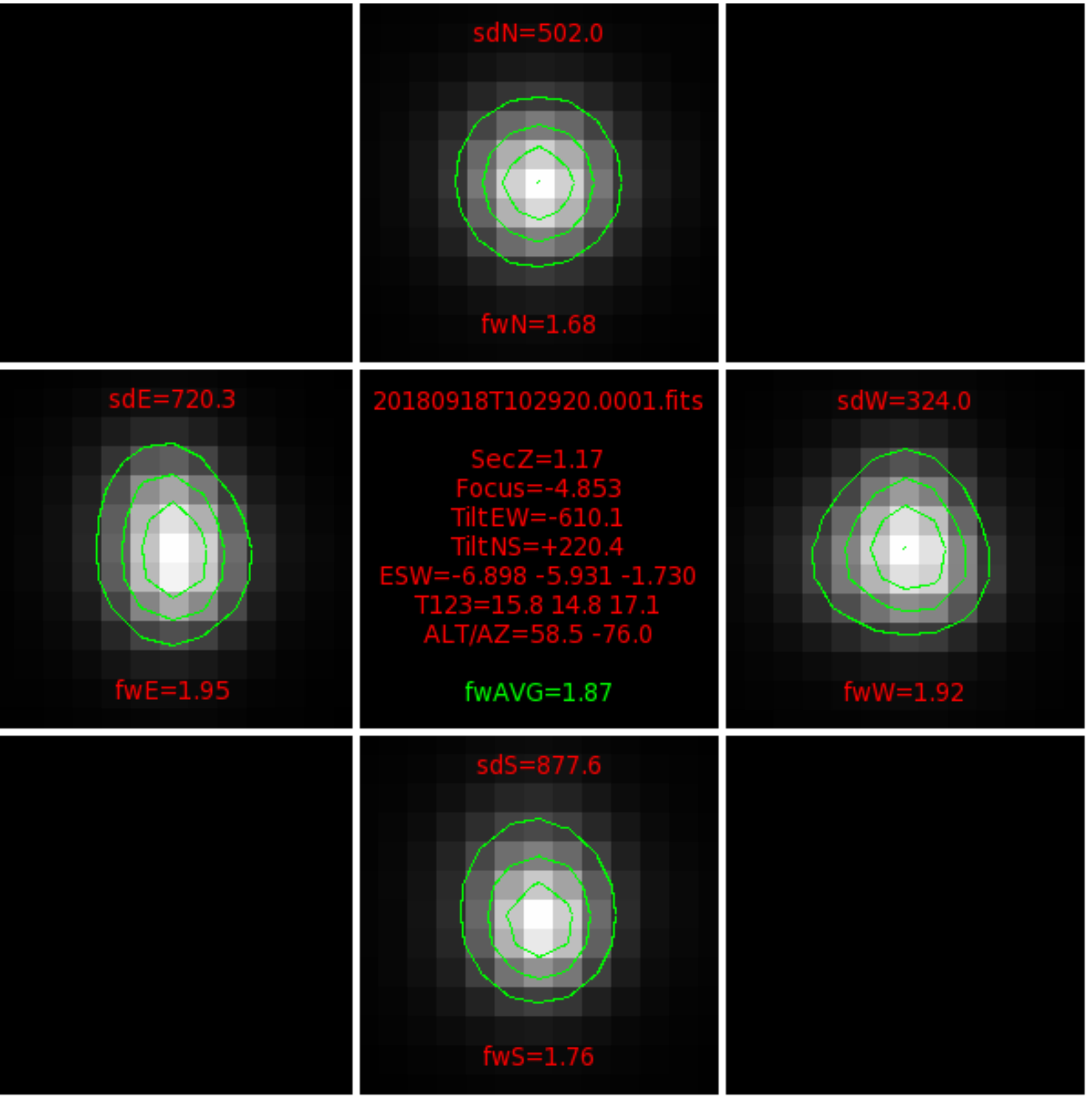
sdN=502.0
fwN=1.68
sdE=720.3
fwE=1.95
20180918T102920.0001.fits
SecZ=1.17
Focus=-4.853
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.898 -5.931 -1.730
T123=15.8 14.8 17.1
ALT/AZ=58.5 -76.0
fwAVG=1.87
sdW=324.0
fwW=1.92
sdS=877.6
fwS=1.76
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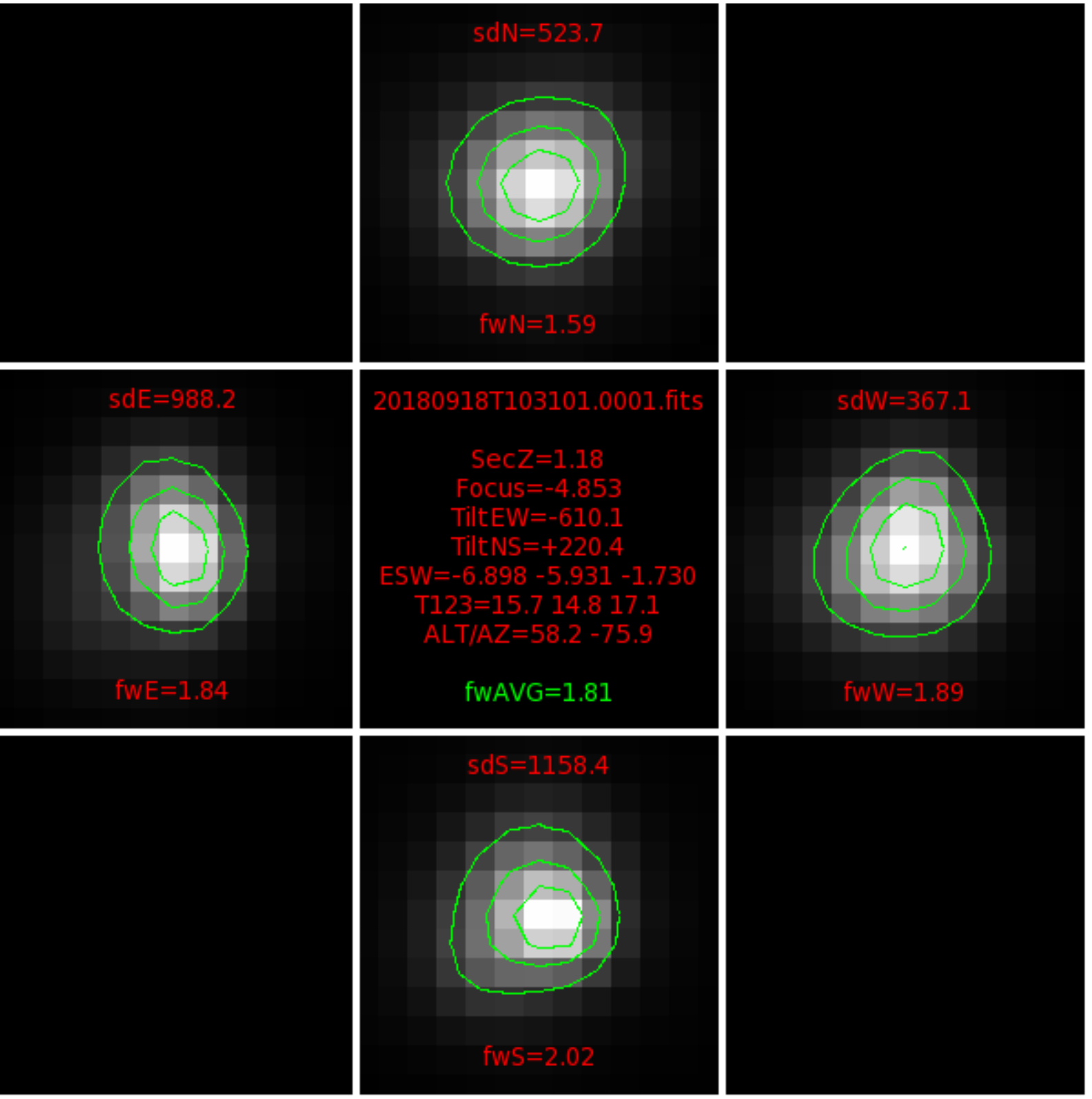
sdN=523.7
fwN=1.59
sdE=988.2
fwE=1.84
20180918T103101.0001.fits
SecZ=1.18
Focus=-4.853
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.898 -5.931 -1.730
T123=15.7 14.8 17.1
ALT/AZ=58.2 -75.9
fwAVG=1.81
sdW=367.1
fwW=1.89
sdS=1158.4
fwS=2.02
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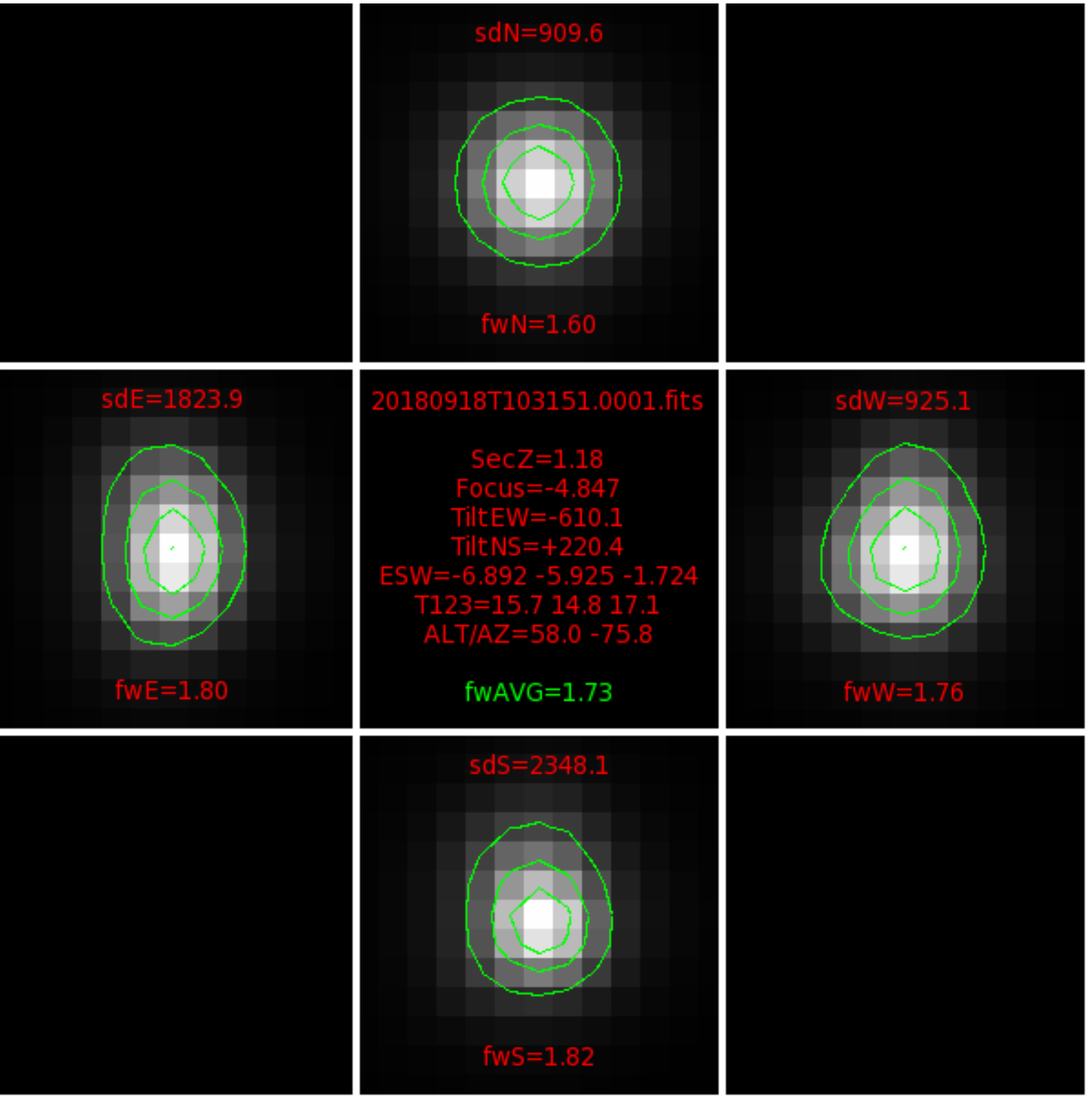
sdN=909.6
fwN=1.60
sdE=1823.9
fwE=1.80
20180918T103151.0001.fits
SecZ=1.18
Focus=-4.847
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.892 -5.925 -1.724
T123=15.7 14.8 17.1
ALT/AZ=58.0 -75.8
fwAVG=1.73
sdW=925.1
fwW=1.76
sdS=2348.1
fwS=1.82
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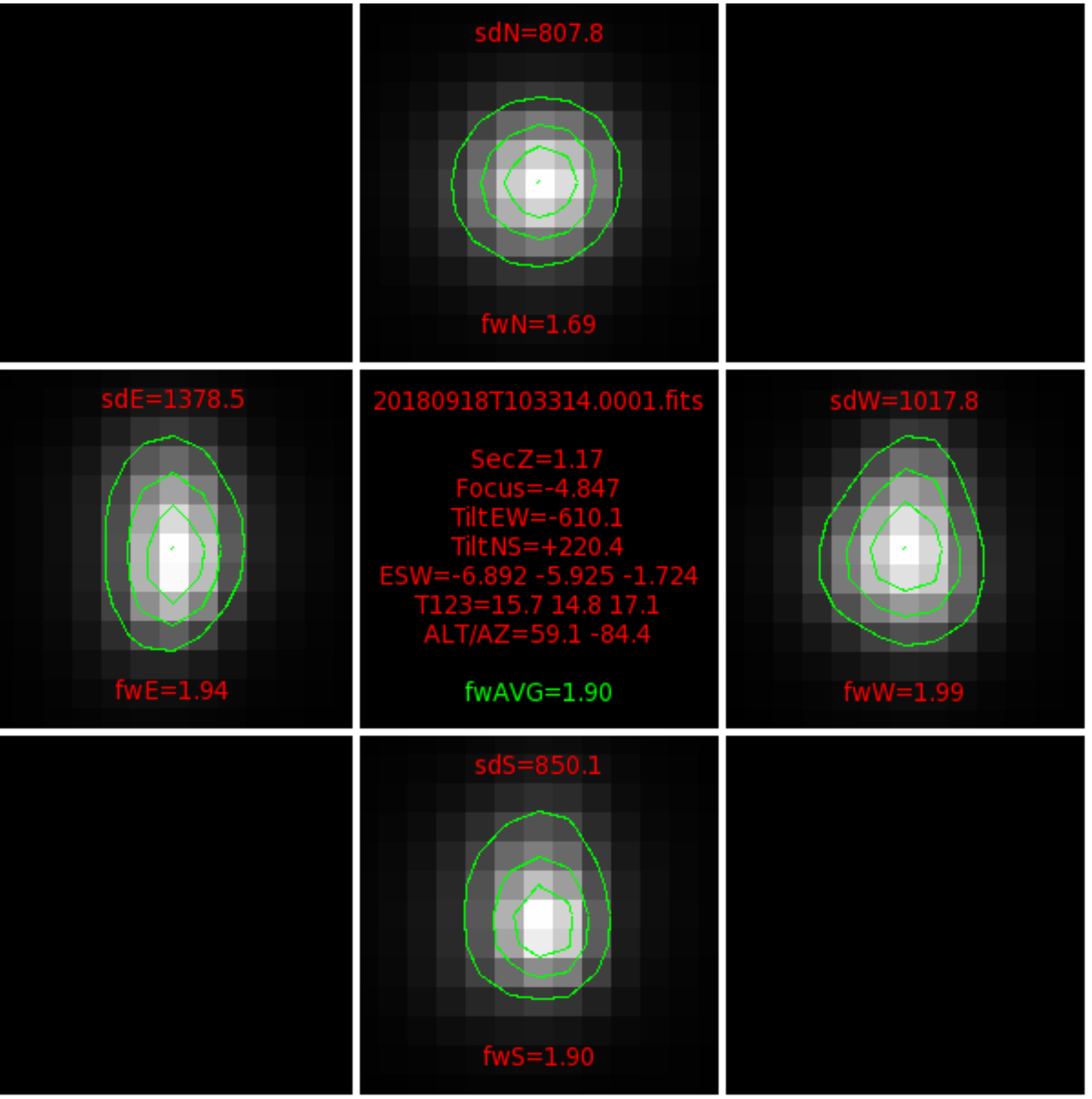
sdN=807.8
fwN=1.69
sdE=1378.5
fwE=1.94
20180918T103314.0001.fits
SecZ=1.17
Focus=-4.847
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.892 -5.925 -1.724
T123=15.7 14.8 17.1
ALT/AZ=59.1 -84.4
fwAVG=1.90
sdW=1017.8
fwW=1.99
sdS=850.1
fwS=1.90
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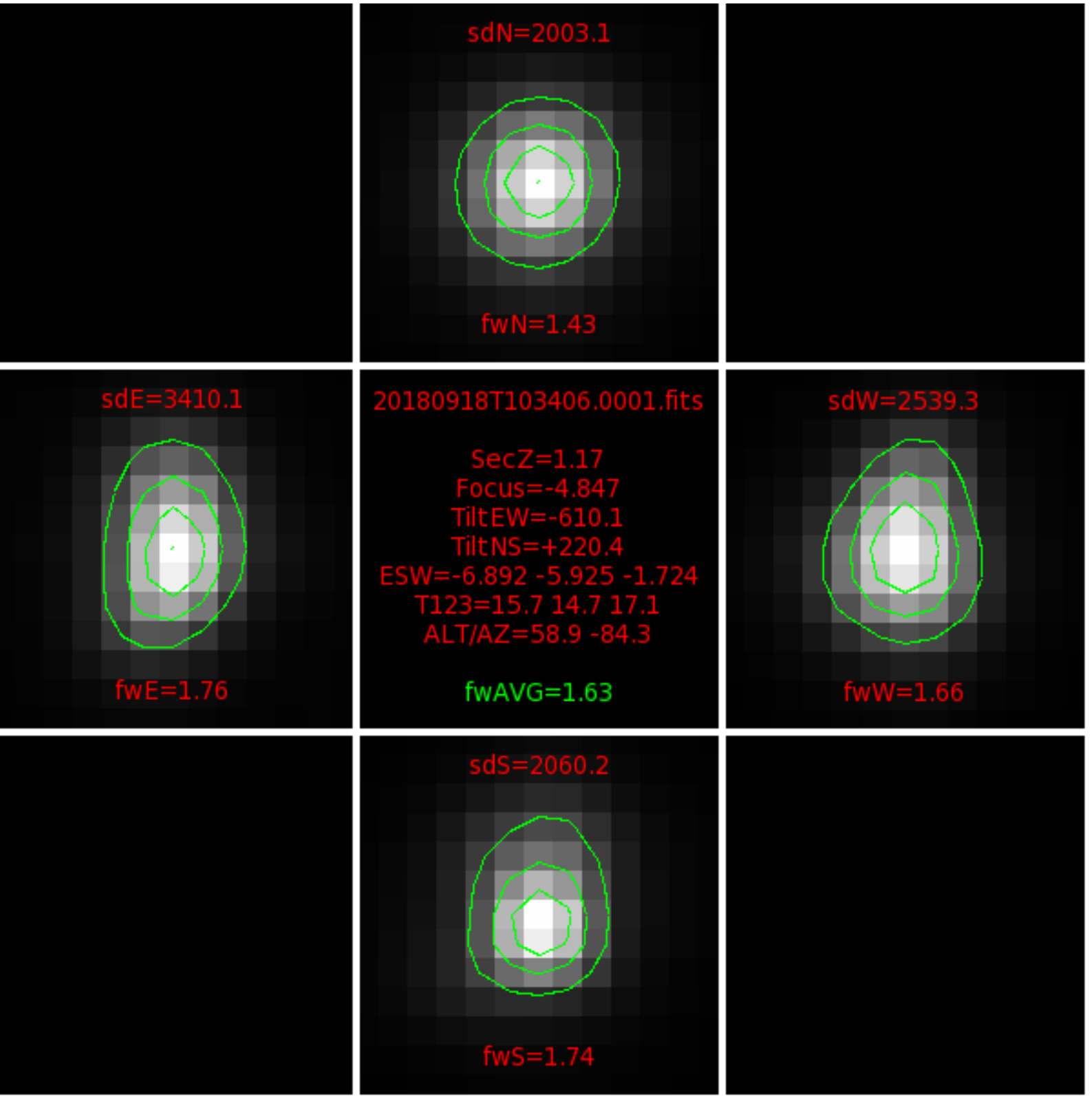
sdN=2003.1
fwN=1.43
sdE=3410.1
fwE=1.76
20180918T103406.0001.fits
SecZ=1.17
Focus=-4.847
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.892 -5.925 -1.724
T123=15.7 14.7 17.1
ALT/AZ=58.9 -84.3
fwAVG=1.63
sdW=2539.3
fwW=1.66
sdS=2060.2
fwS=1.74
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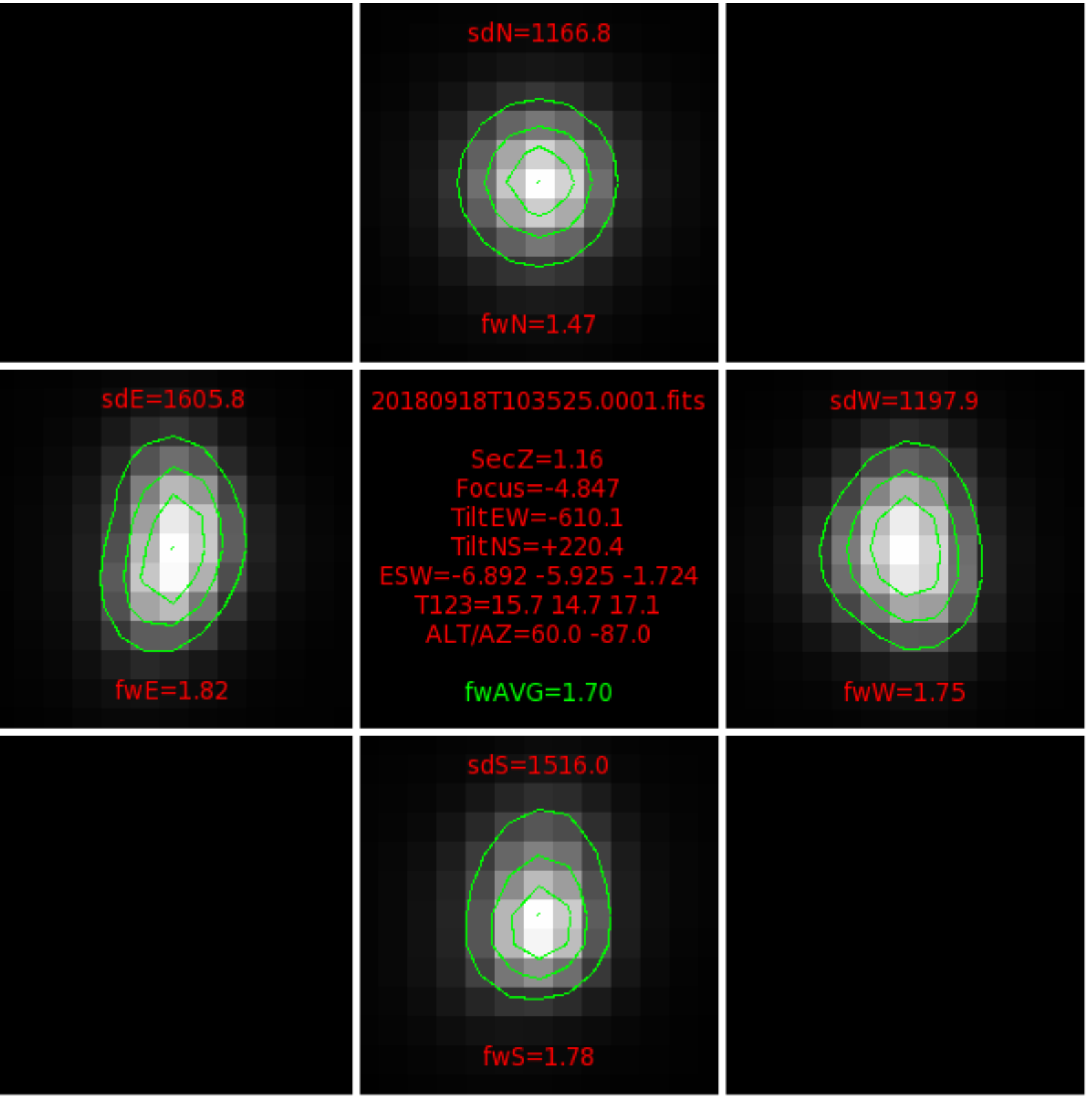
sdN=1166.8
fwN=1.47
sdE=1605.8
fwE=1.82
20180918T103525.0001.fits
SecZ=1.16
Focus=-4.847
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.892 -5.925 -1.724
T123=15.7 14.7 17.1
ALT/AZ=60.0 -87.0
fwAVG=1.70
sdW=1197.9
fwW=1.75
sdS=1516.0
fwS=1.78
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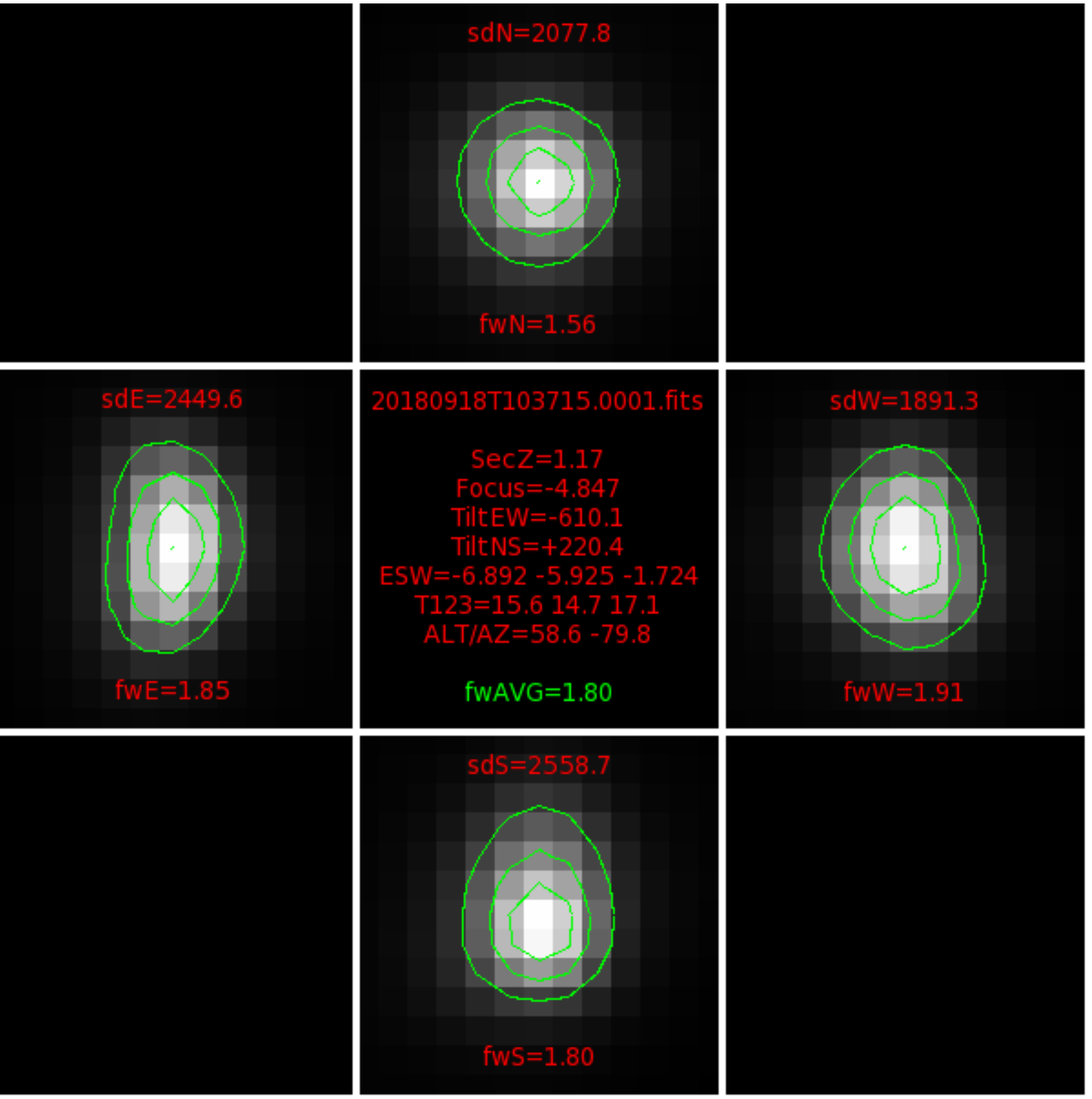
sdN=2077.8
fwN=1.56
sdE=2449.6
fwE=1.85
20180918T103715.0001.fits
SecZ=1.17
Focus=-4.847
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.892 -5.925 -1.724
T123=15.6 14.7 17.1
ALT/AZ=58.6 -79.8
fwAVG=1.80
sdW=1891.3
fwW=1.91
sdS=2558.7
fwS=1.80
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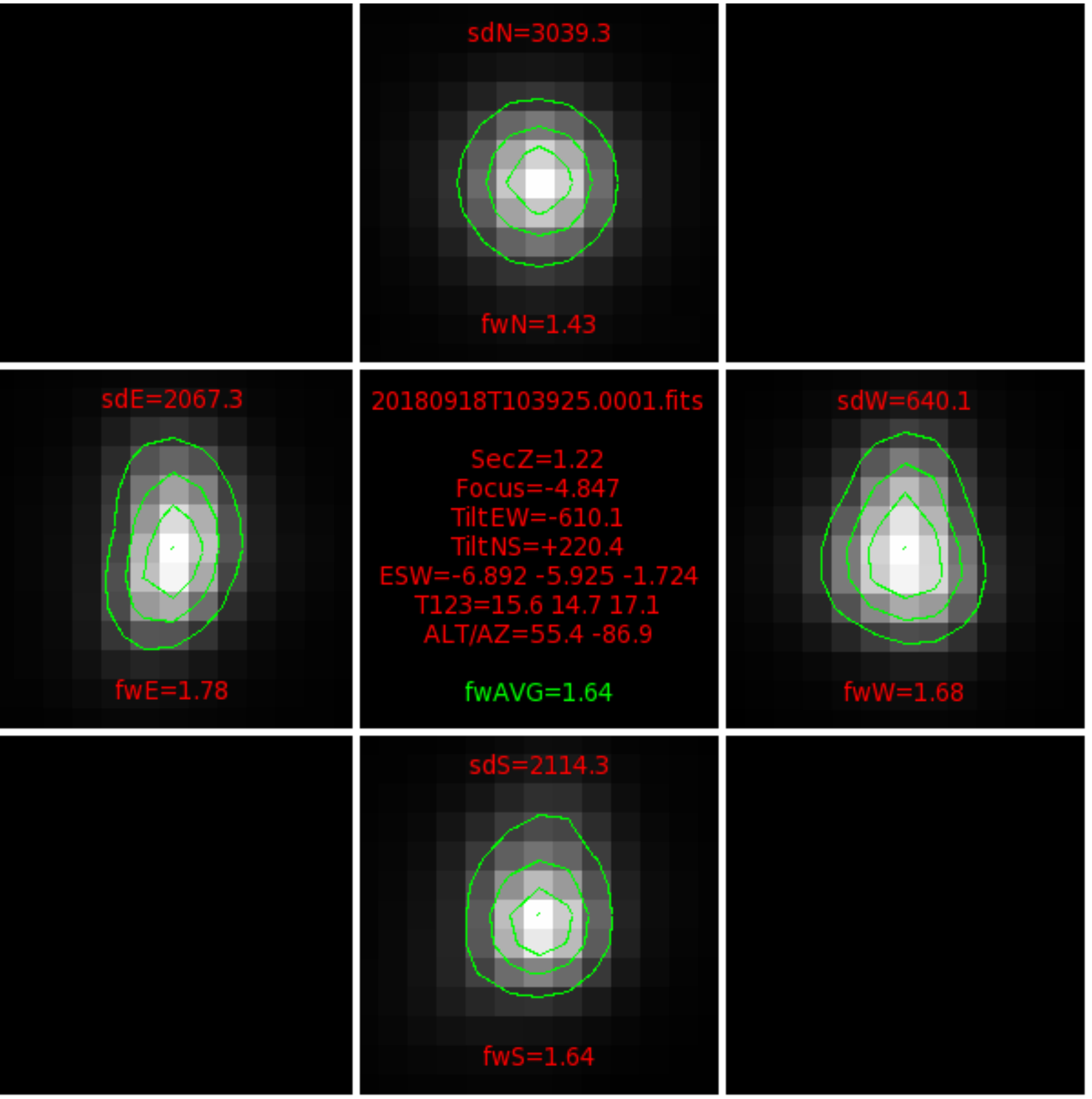
sdN=3039.3
fwN=1.43
sdE=2067.3
fwE=1.78
20180918T103925.0001.fits
SecZ=1.22
Focus=-4.847
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.892 -5.925 -1.724
T123=15.6 14.7 17.1
ALT/AZ=55.4 -86.9
fwAVG=1.64
sdW=640.1
fwW=1.68
sdS=2114.3
fwS=1.64
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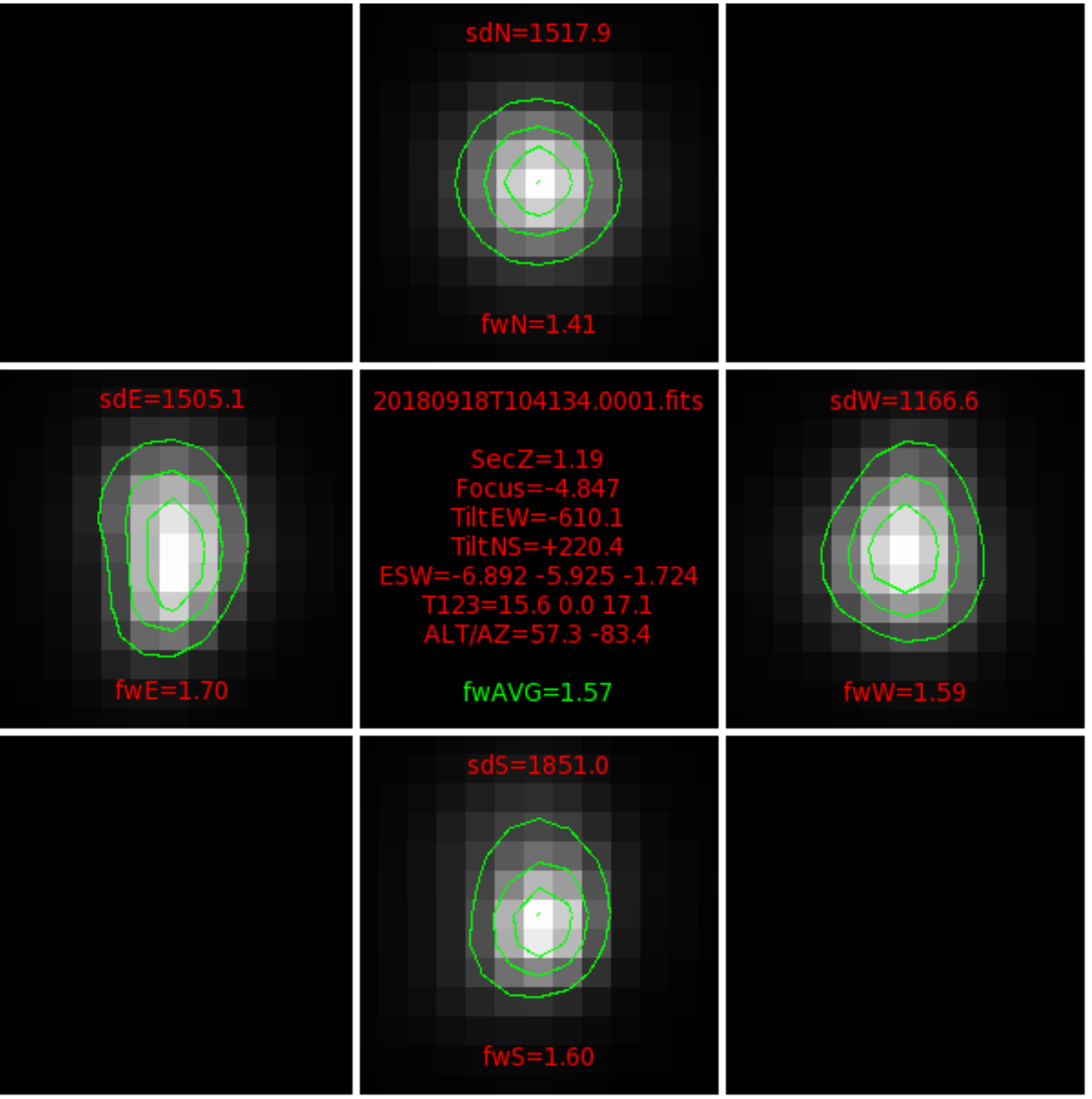
sdN=1517.9
fwN=1.41
sdE=1505.1
fwE=1.70
20180918T104134.0001.fits
SecZ=1.19
Focus=-4.847
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.892 -5.925 -1.724
T123=15.6 0.0 17.1
ALT/AZ=57.3 -83.4
fwAVG=1.57
sdW=1166.6
fwW=1.59
sdS=1851.0
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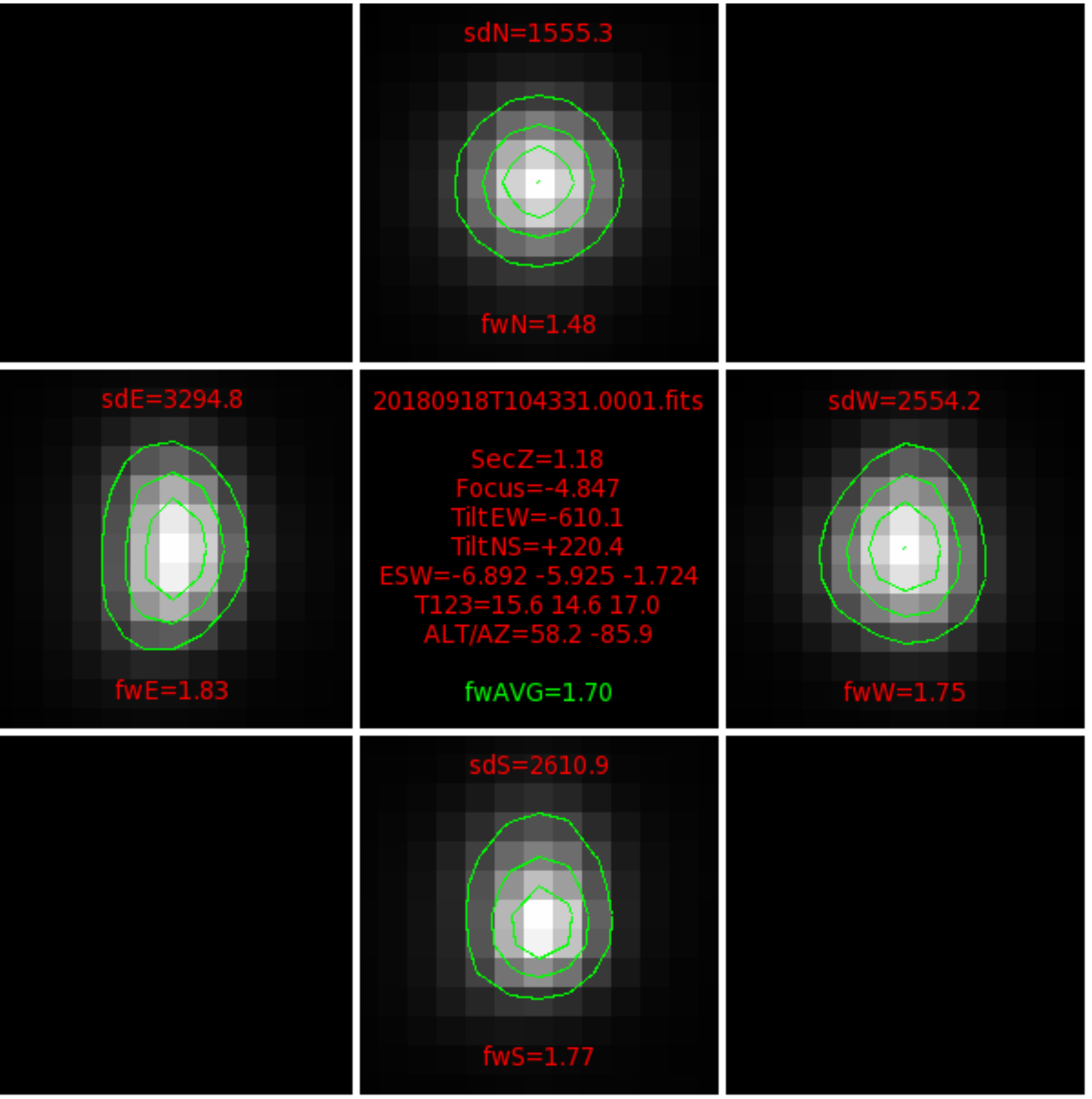
sdN=1555.3
fwN=1.48
sdE=3294.8
fwE=1.83
20180918T104331.0001.fits
SecZ=1.18
Focus=-4.847
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.892 -5.925 -1.724
T123=15.6 14.6 17.0
ALT/AZ=58.2 -85.9
fwAVG=1.70
sdW=2554.2
fwW=1.75
sdS=2610.9
fwS=1.77
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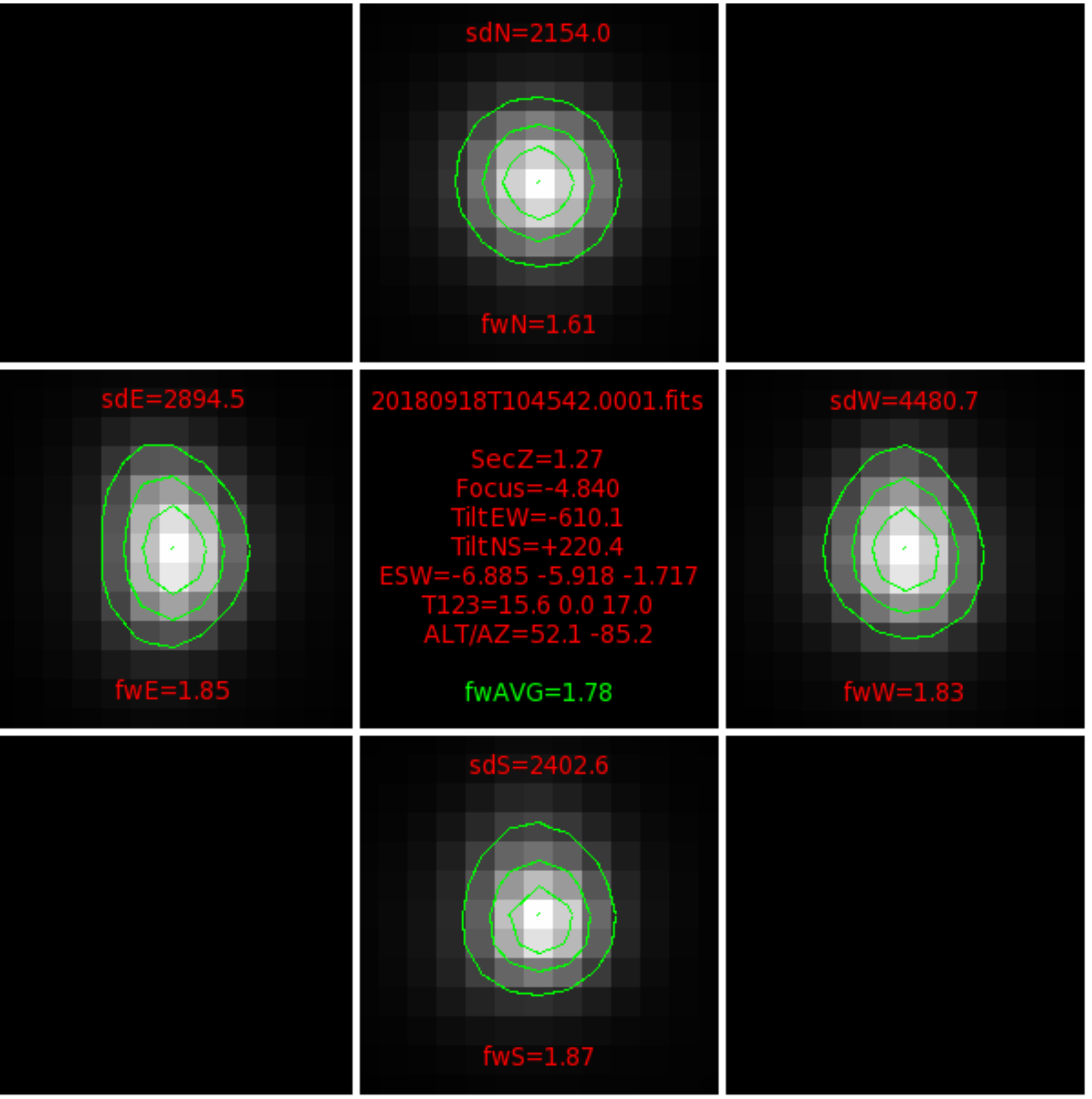
sdN=2154.0
fwN=1.61
sdE=2894.5
fwE=1.85
20180918T104542.0001.fits
SecZ=1.27
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.6 0.0 17.0
ALT/AZ=52.1 -85.2
fwAVG=1.78
sdW=4480.7
fwW=1.83
sdS=2402.6
fwS=1.87
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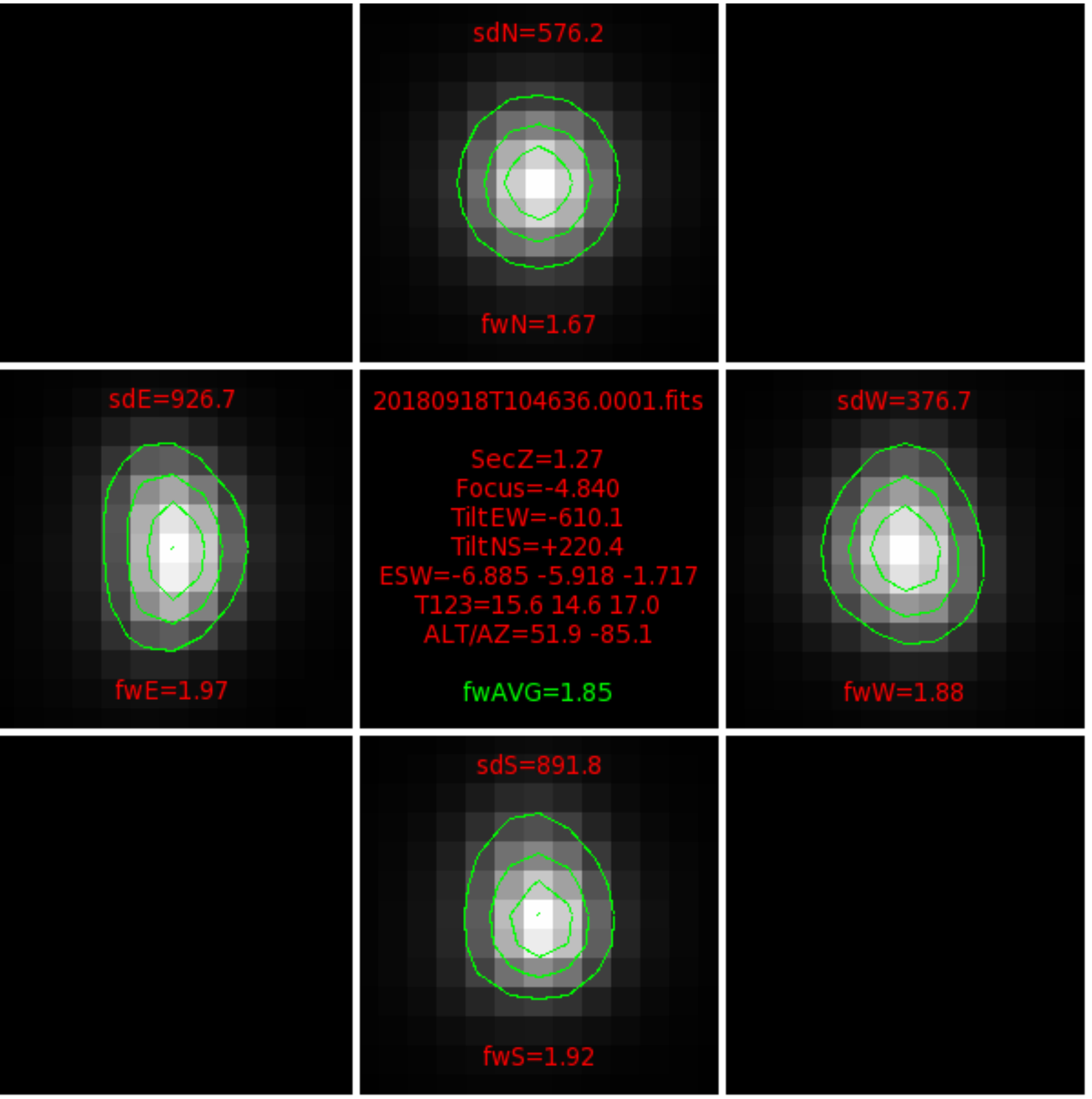
sdN=576.2
fwN=1.67
sdE=926.7
fwE=1.97
20180918T104636.0001.fits
SecZ=1.27
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.6 14.6 17.0
ALT/AZ=51.9 -85.1
fwAVG=1.85
sdW=376.7
fwW=1.88
sdS=891.8
fwS=1.92
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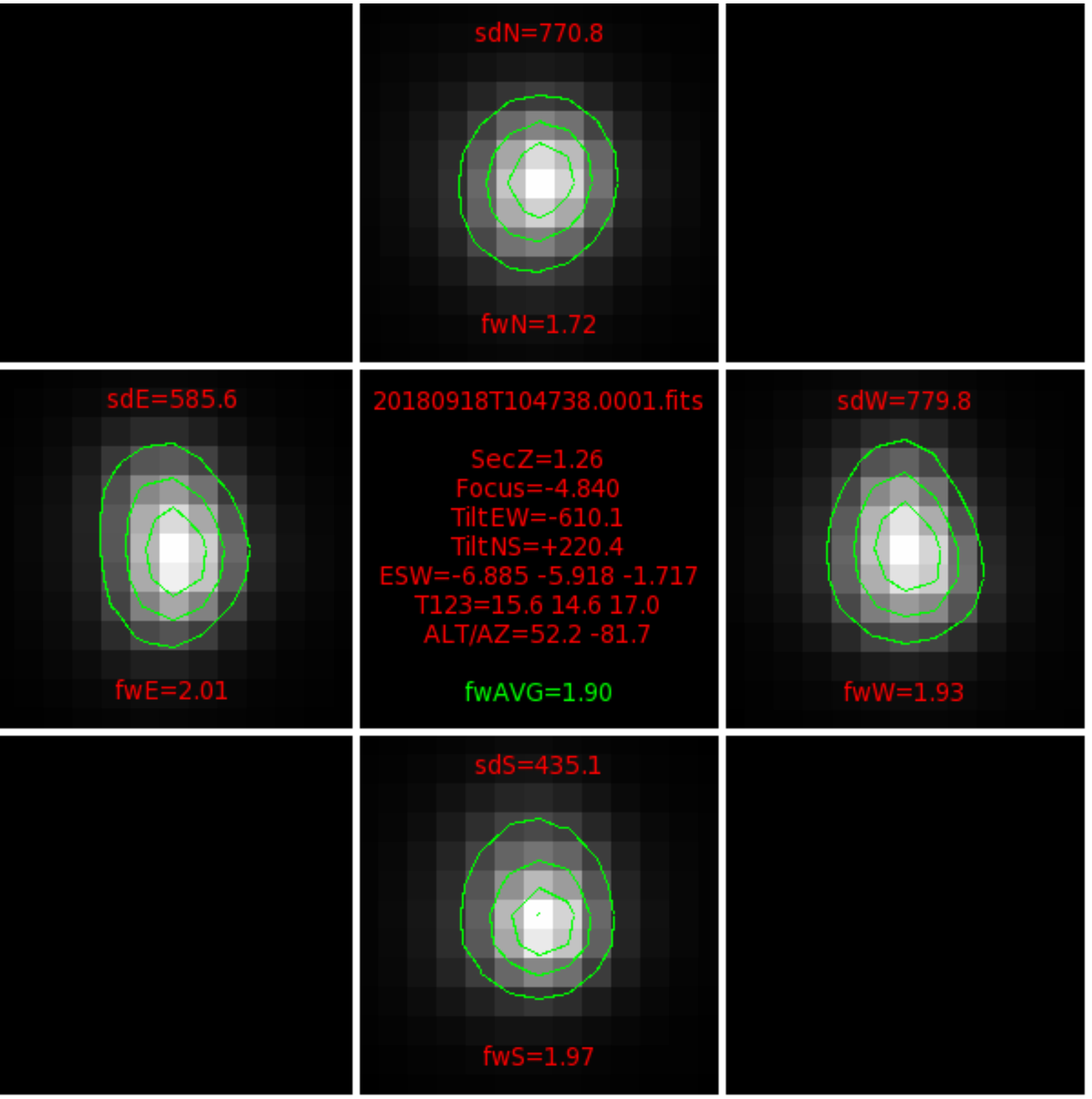
sdN=770.8
fwN=1.72
sdE=585.6
fwE=2.01
20180918T104738.0001.fits
SecZ=1.26
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.6 14.6 17.0
ALT/AZ=52.2 -81.7
fwAVG=1.90
sdW=779.8
fwW=1.93
sdS=435.1
fwS=1.97
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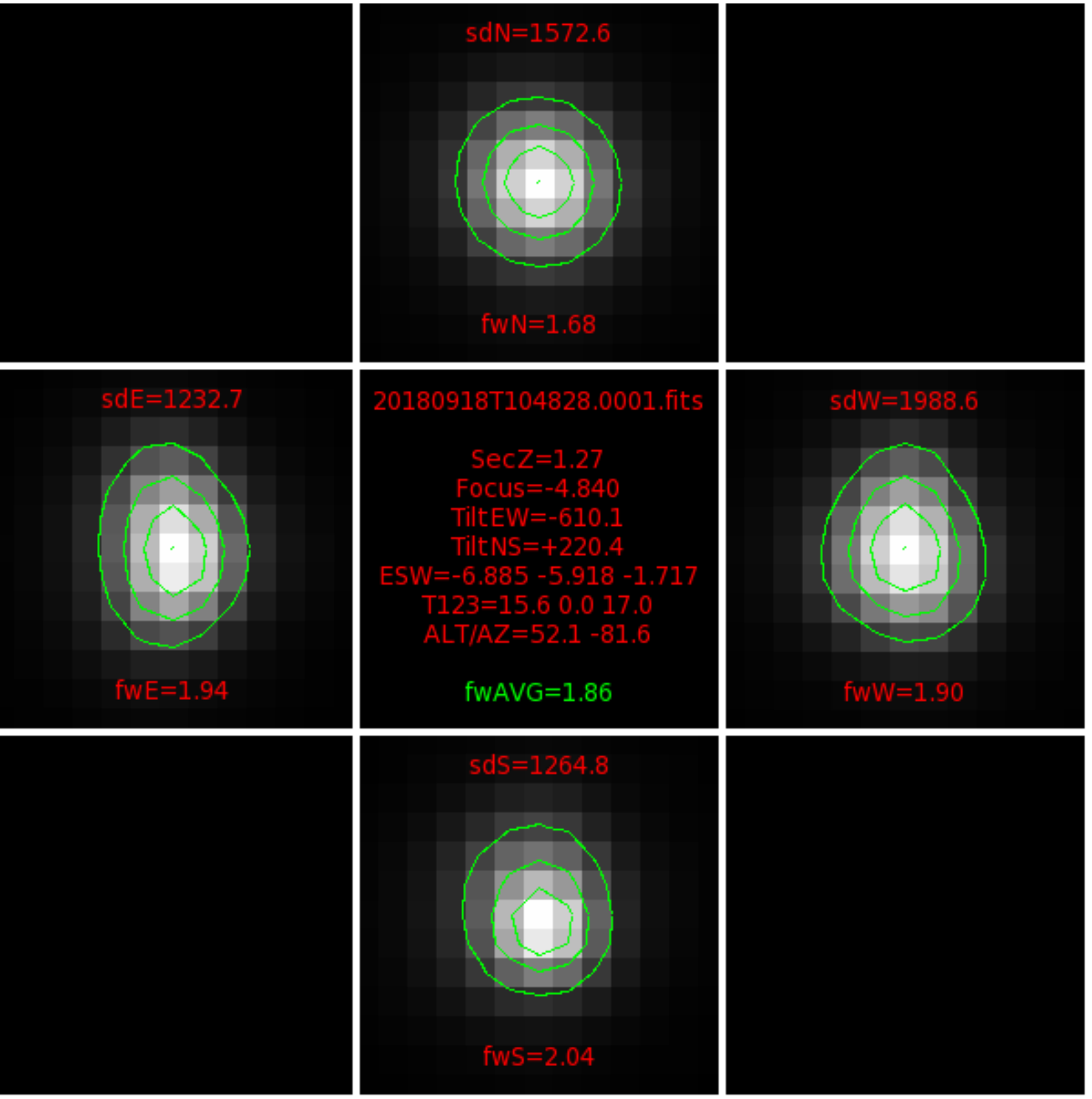
sdN=1572.6
fwN=1.68
sdE=1232.7
fwE=1.94
20180918T104828.0001.fits
SecZ=1.27
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.6 0.0 17.0
ALT/AZ=52.1 -81.6
fwAVG=1.86
sdW=1988.6
fwW=1.90
sdS=1264.8
fwS=2.04
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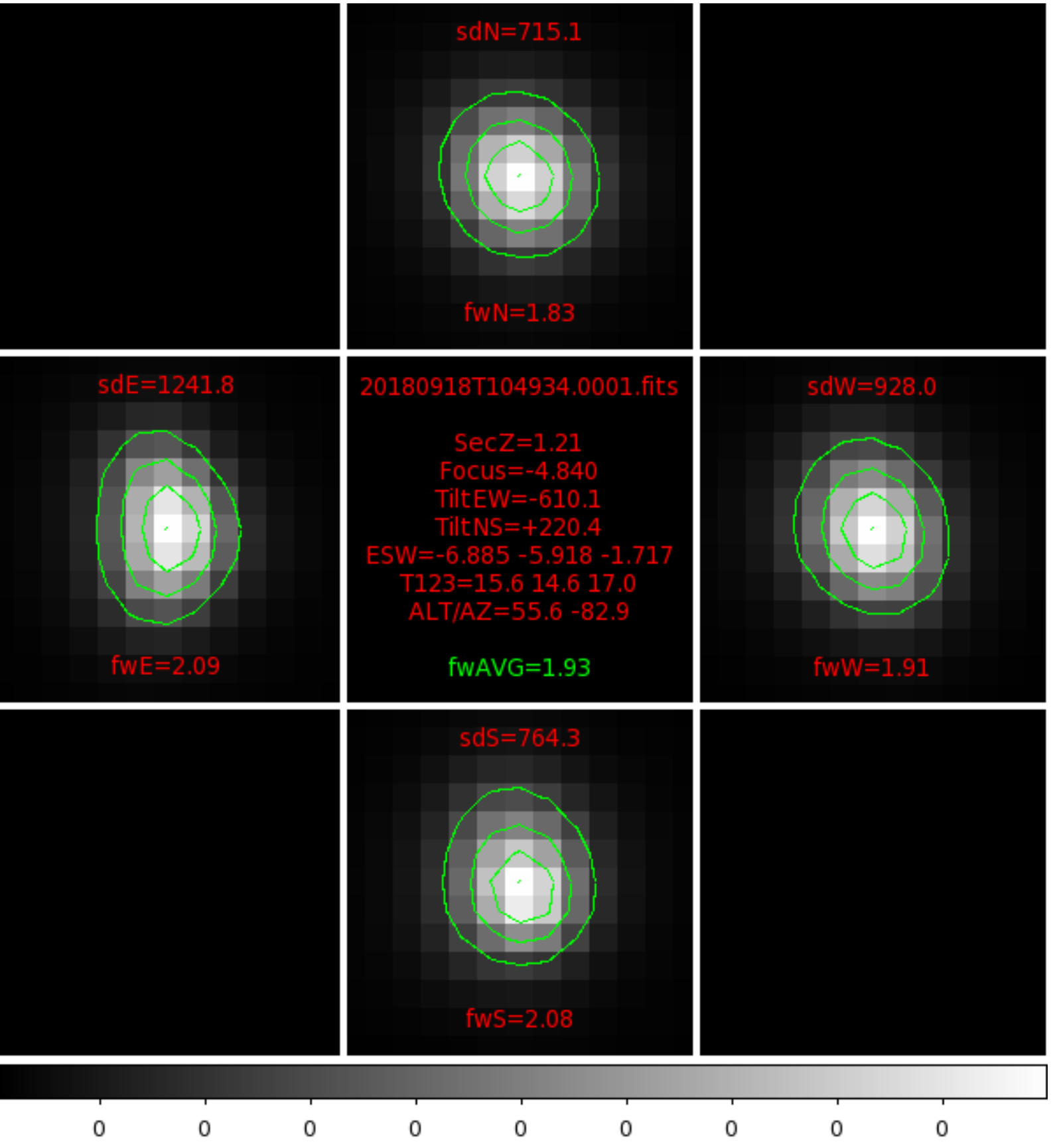
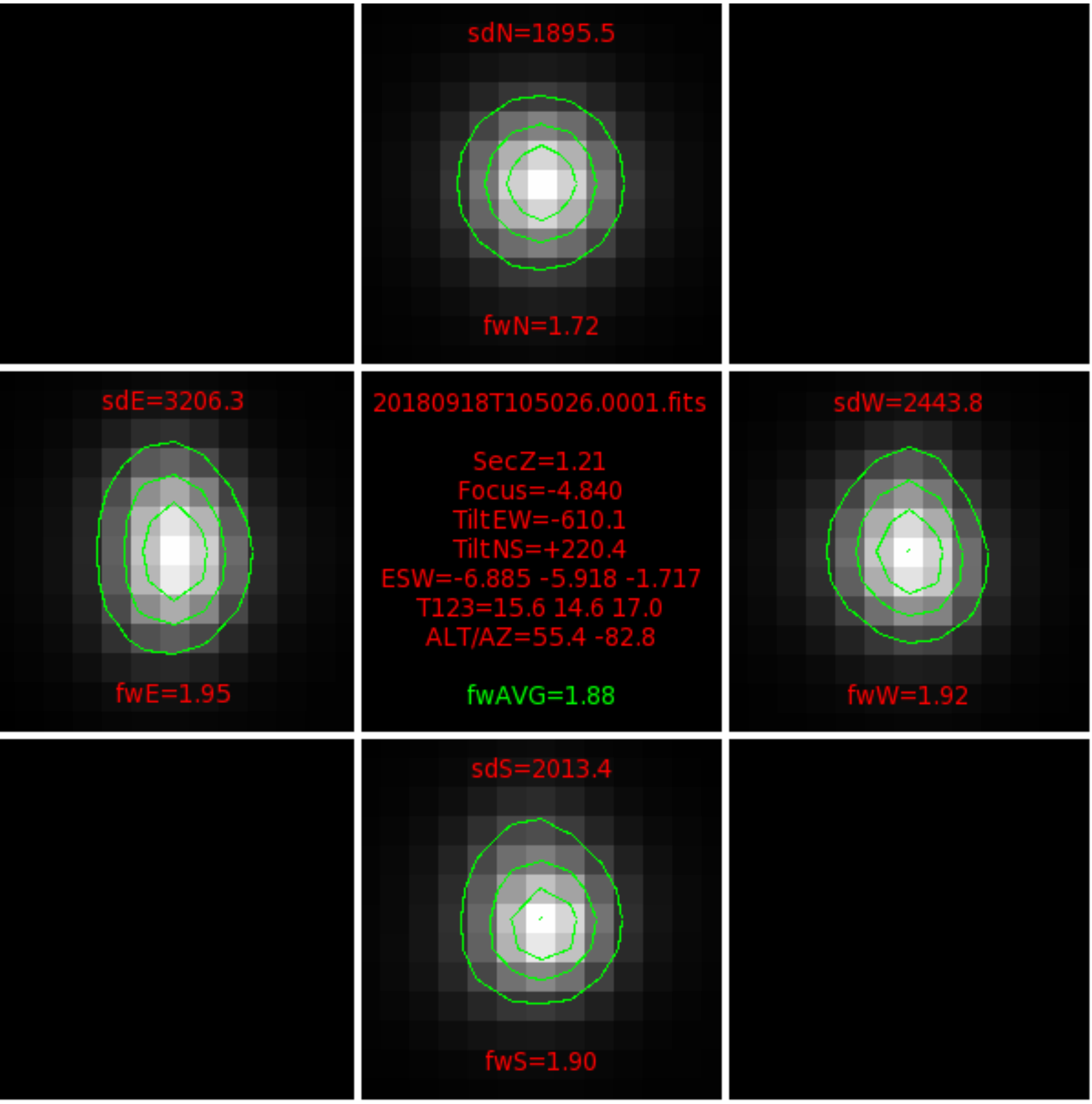

sdN=715.1
fwN=1.83
sdE=1241.8
fwE=2.09
20180918T104934.0001.fits
SecZ=1.21
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.6 14.6 17.0
ALT/AZ=55.6 -82.9
fwAVG=1.93
sdW=928.0
fwW=1.91
sdS=764.3
fwS=2.08
0 0 0 0 0 0 0 0 0


sdN=1895.5
fwN=1.72
sdE=3206.3
fwE=1.95
20180918T105026.0001.fits
SecZ=1.21
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.6 14.6 17.0
ALT/AZ=55.4 -82.8
fwAVG=1.88
sdW=2443.8
fwW=1.92
sdS=2013.4
fwS=1.90
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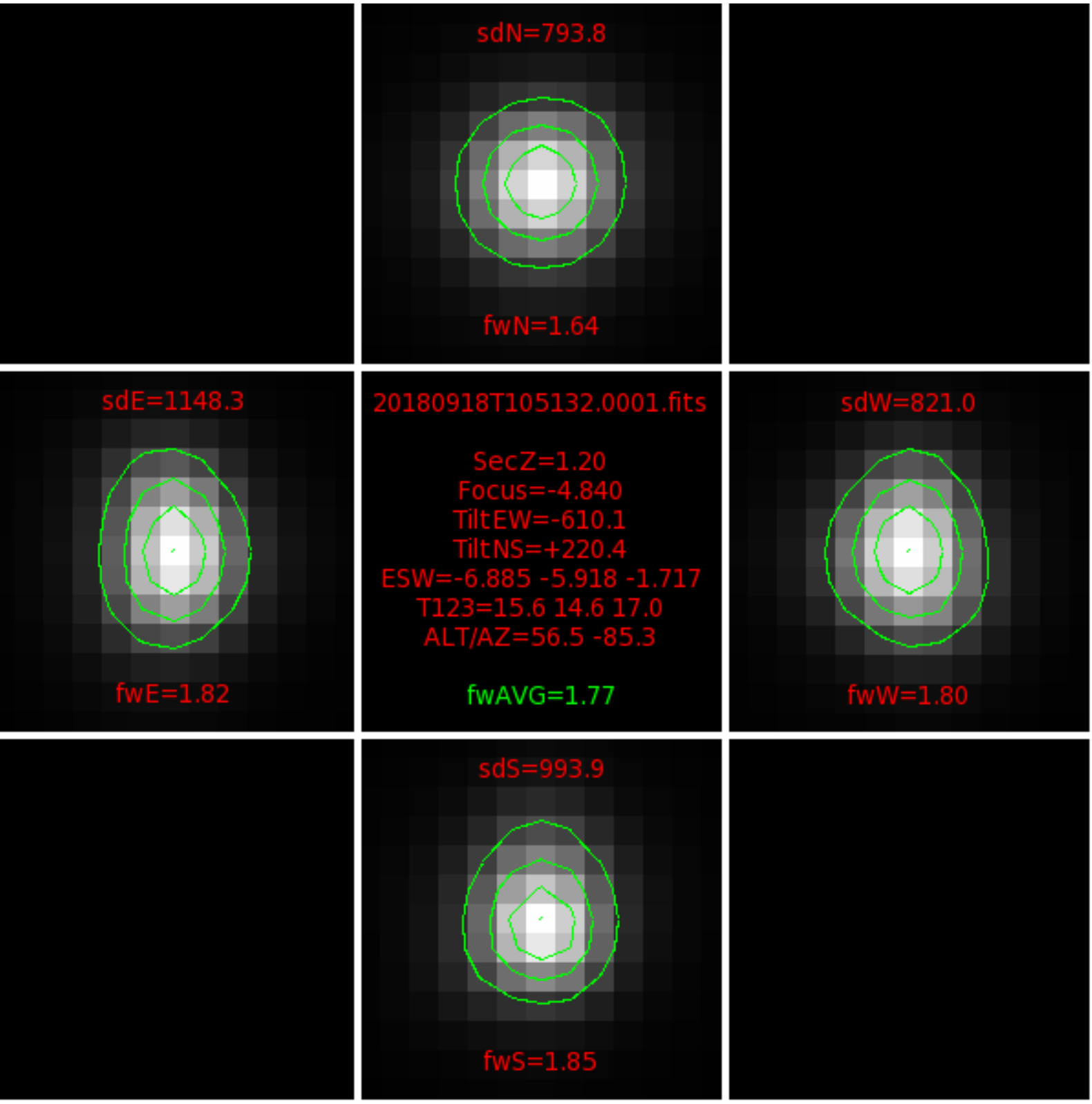
sdN=793.8
fwN=1.64
sdE=1148.3
fwE=1.82
20180918T105132.0001.fits
SecZ=1.20
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.6 14.6 17.0
ALT/AZ=56.5 -85.3
fwAVG=1.77
sdW=821.0
fwW=1.80
sdS=993.9
fwS=1.85
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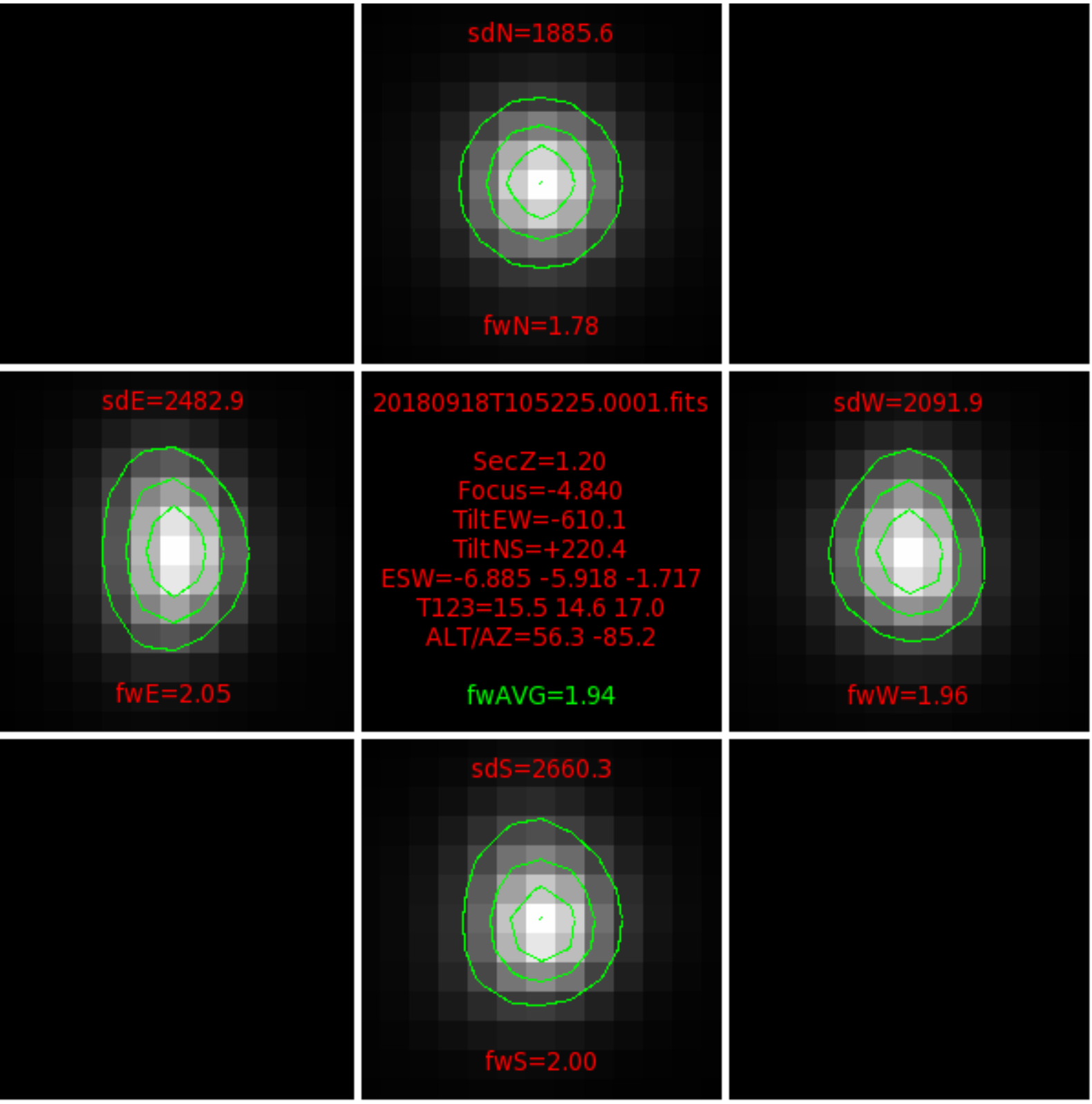
sdN=1885.6
fwN=1.78
sdE=2482.9
fwE=2.05
20180918T105225.0001.fits
SecZ=1.20
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.5 14.6 17.0
ALT/AZ=56.3 -85.2
fwAVG=1.94
sdW=2091.9
fwW=1.96
sdS=2660.3
fwS=2.00
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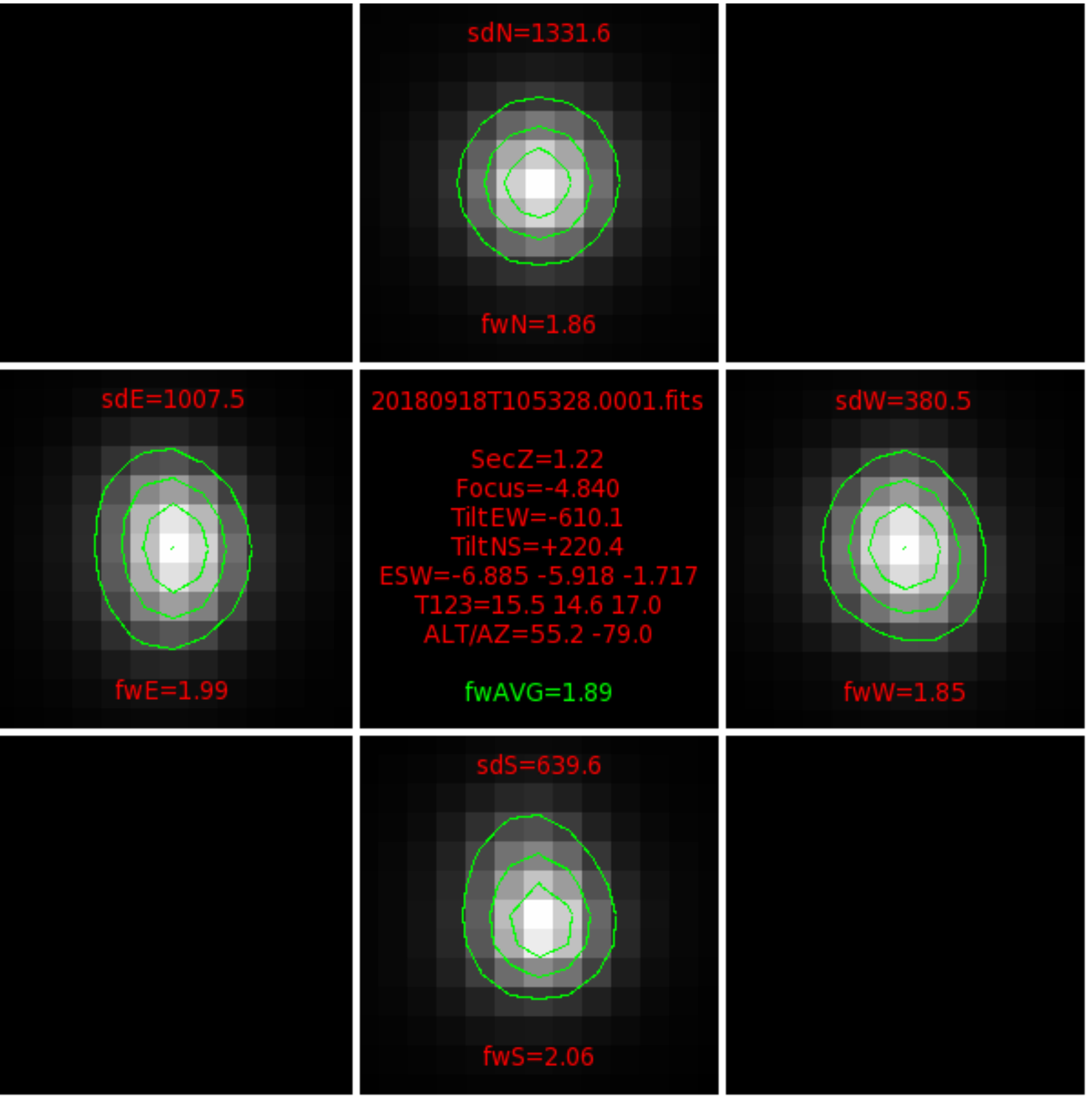
sdN=1331.6
fwN=1.86
sdE=1007.5
fwE=1.99
20180918T105328.0001.fits
SecZ=1.22
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.5 14.6 17.0
ALT/AZ=55.2 -79.0
fwAVG=1.89
sdW=380.5
fwW=1.85
sdS=639.6
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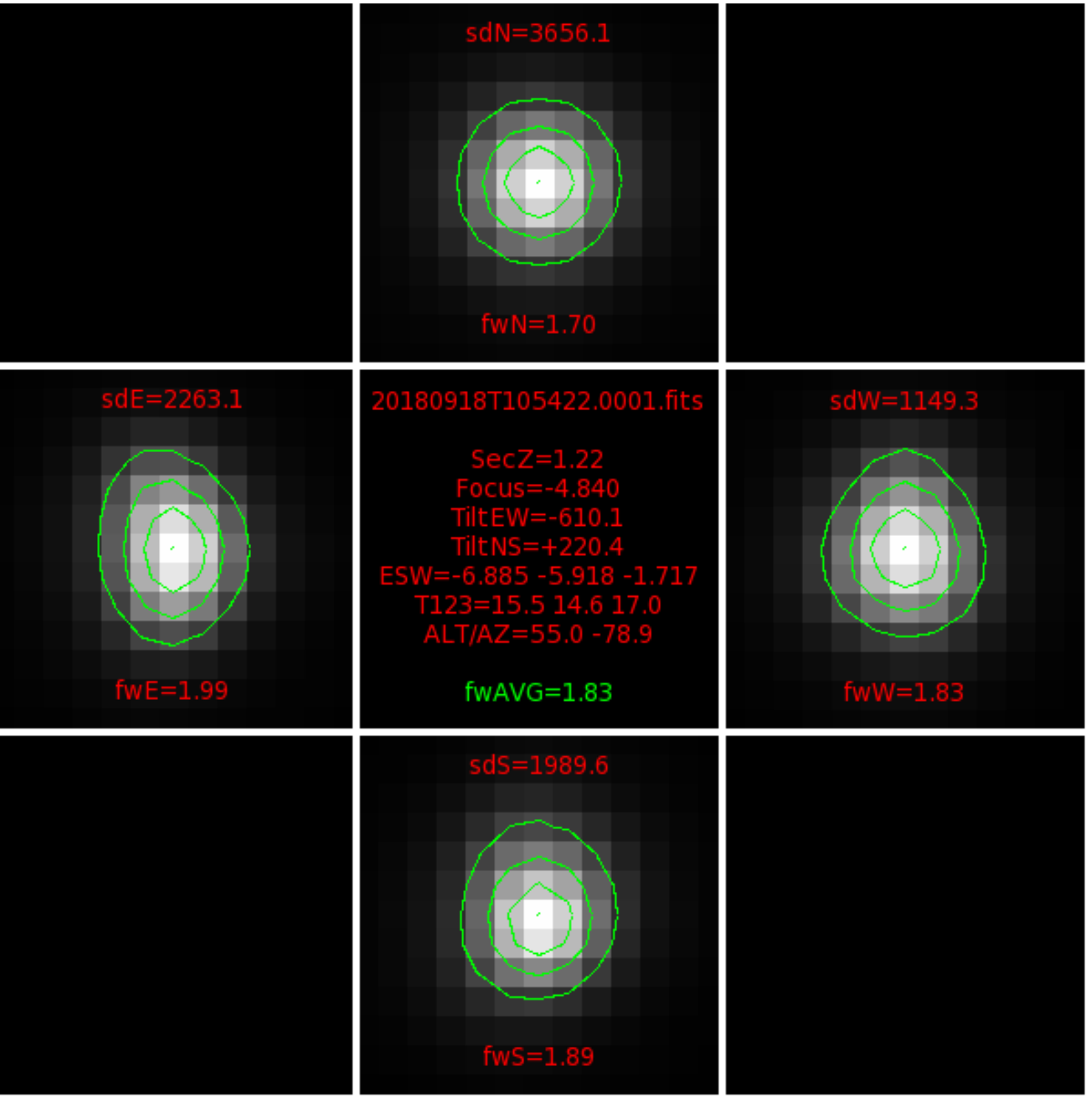
sdN=3656.1
fwN=1.70
sdE=2263.1
fwE=1.99
20180918T105422.0001.fits
SecZ=1.22
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.5 14.6 17.0
ALT/AZ=55.0 -78.9
fwAVG=1.83
sdW=1149.3
fwW=1.83
sdS=1989.6
fwS=1.89
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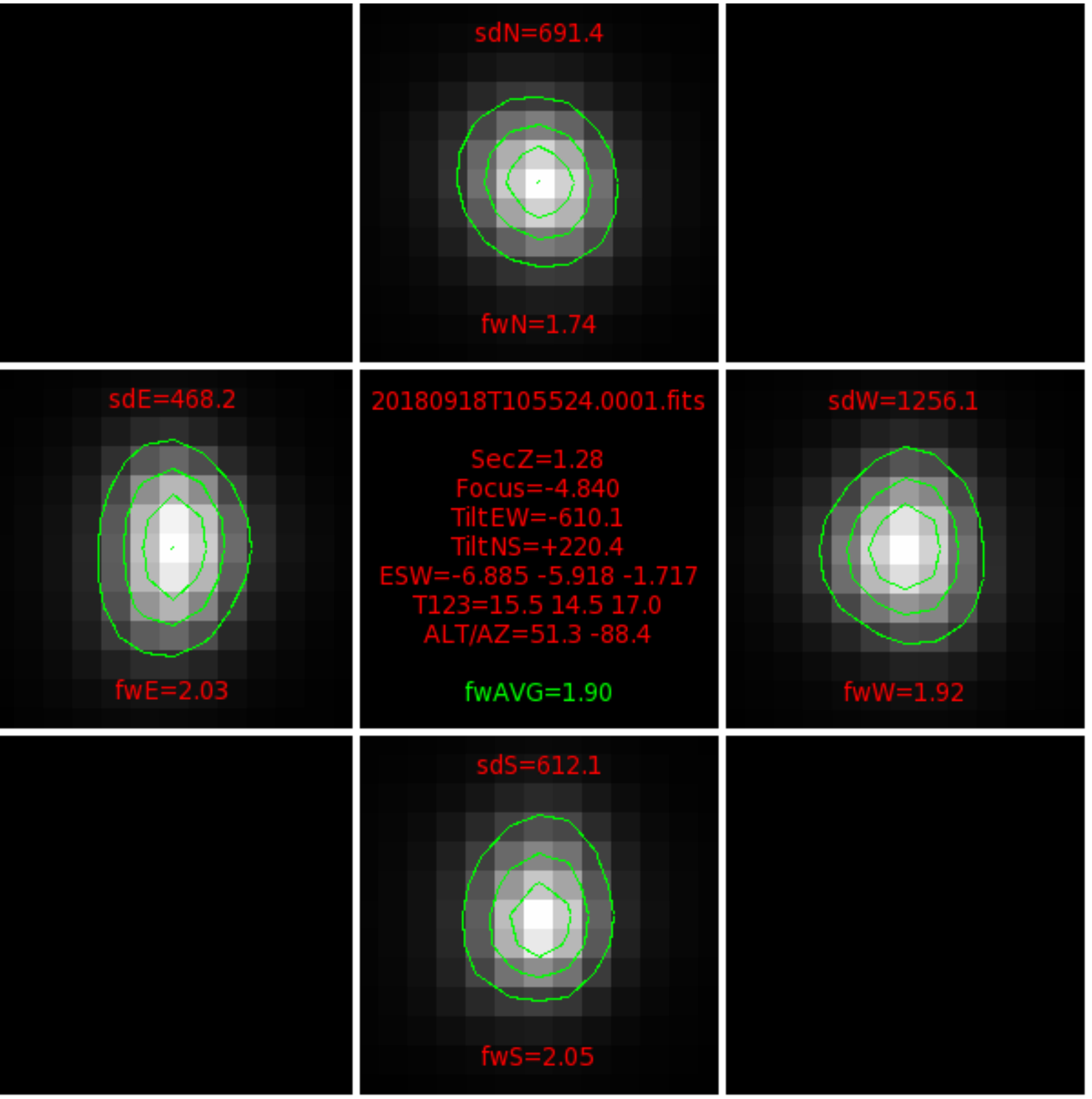
sdN=691.4
fwN=1.74
sdE=468.2
fwE=2.03
20180918T105524.0001.fits
SecZ=1.28
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.5 14.5 17.0
ALT/AZ=51.3 -88.4
fwAVG=1.90
sdW=1256.1
fwW=1.92
sdS=612.1
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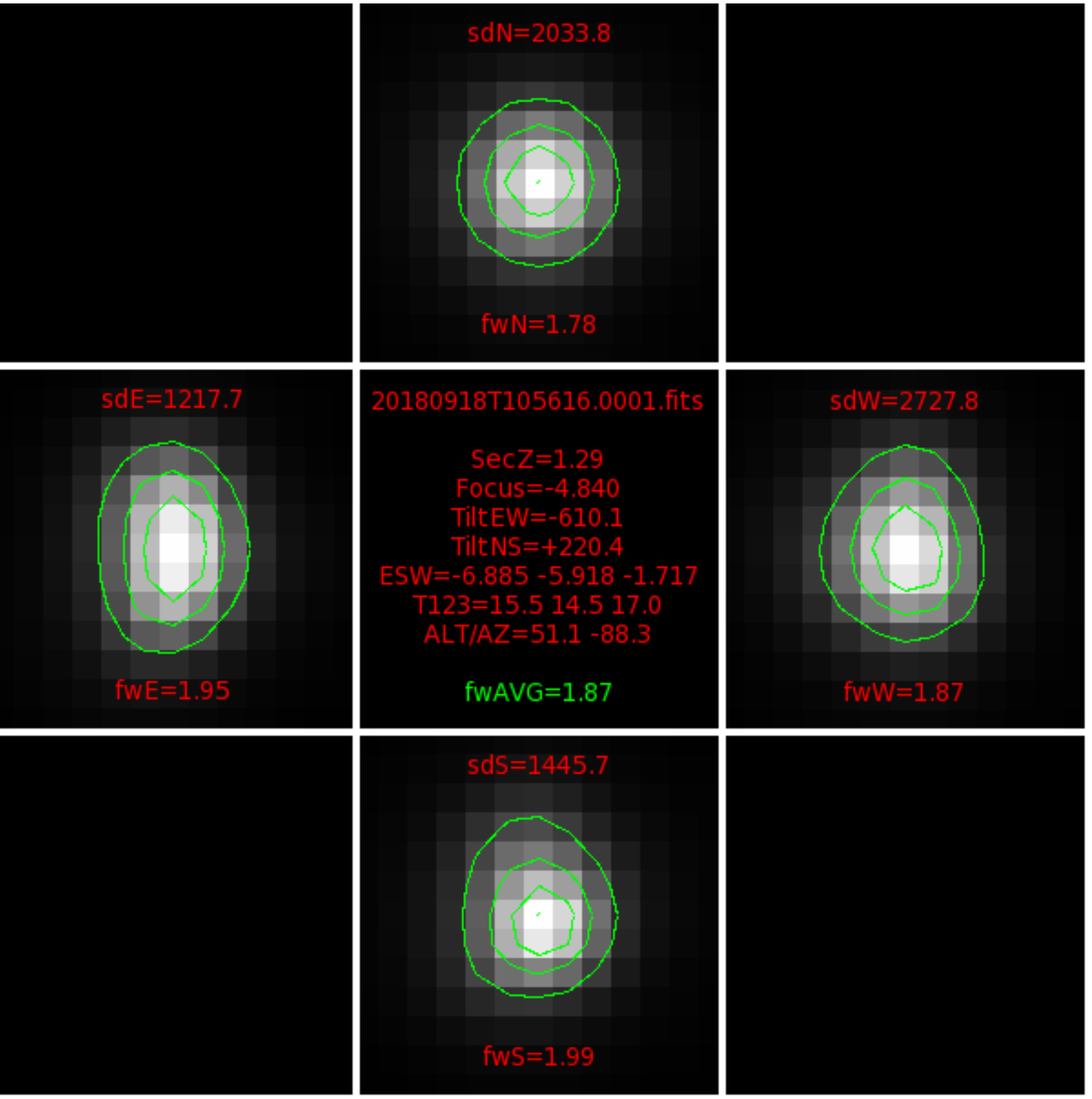
sdN=2033.8
fwN=1.78
sdE=1217.7
fwE=1.95
20180918T105616.0001.fits
SecZ=1.29
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.5 14.5 17.0
ALT/AZ=51.1 -88.3
fwAVG=1.87
sdW=2727.8
fwW=1.87
sdS=1445.7
fwS=1.99
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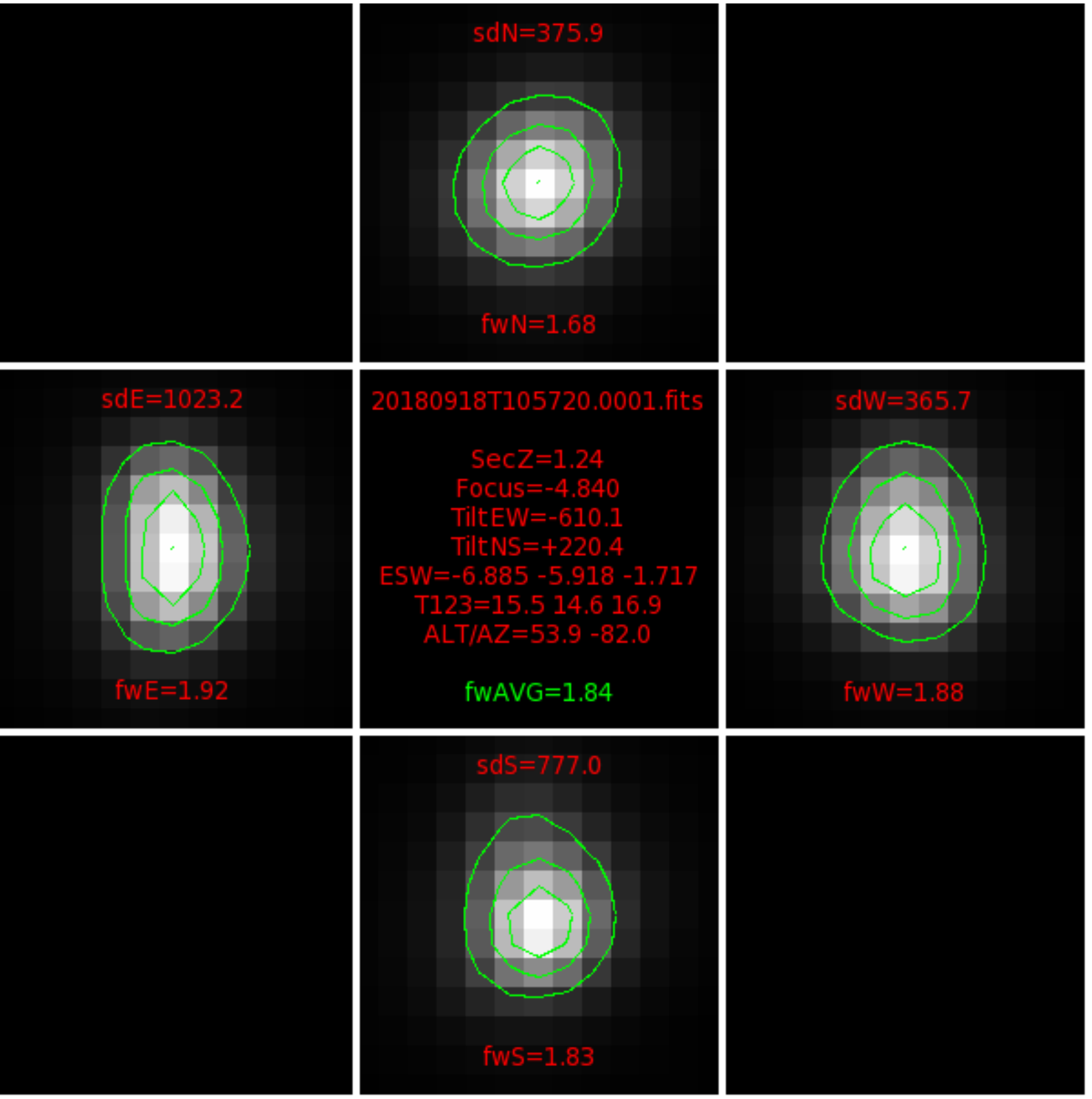
sdN=375.9
fwN=1.68
sdE=1023.2
fwE=1.92
20180918T105720.0001.fits
SecZ=1.24
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.5 14.6 16.9
ALT/AZ=53.9 -82.0
fwAVG=1.84
sdW=365.7
fwW=1.88
sdS=777.0
fwS=1.83
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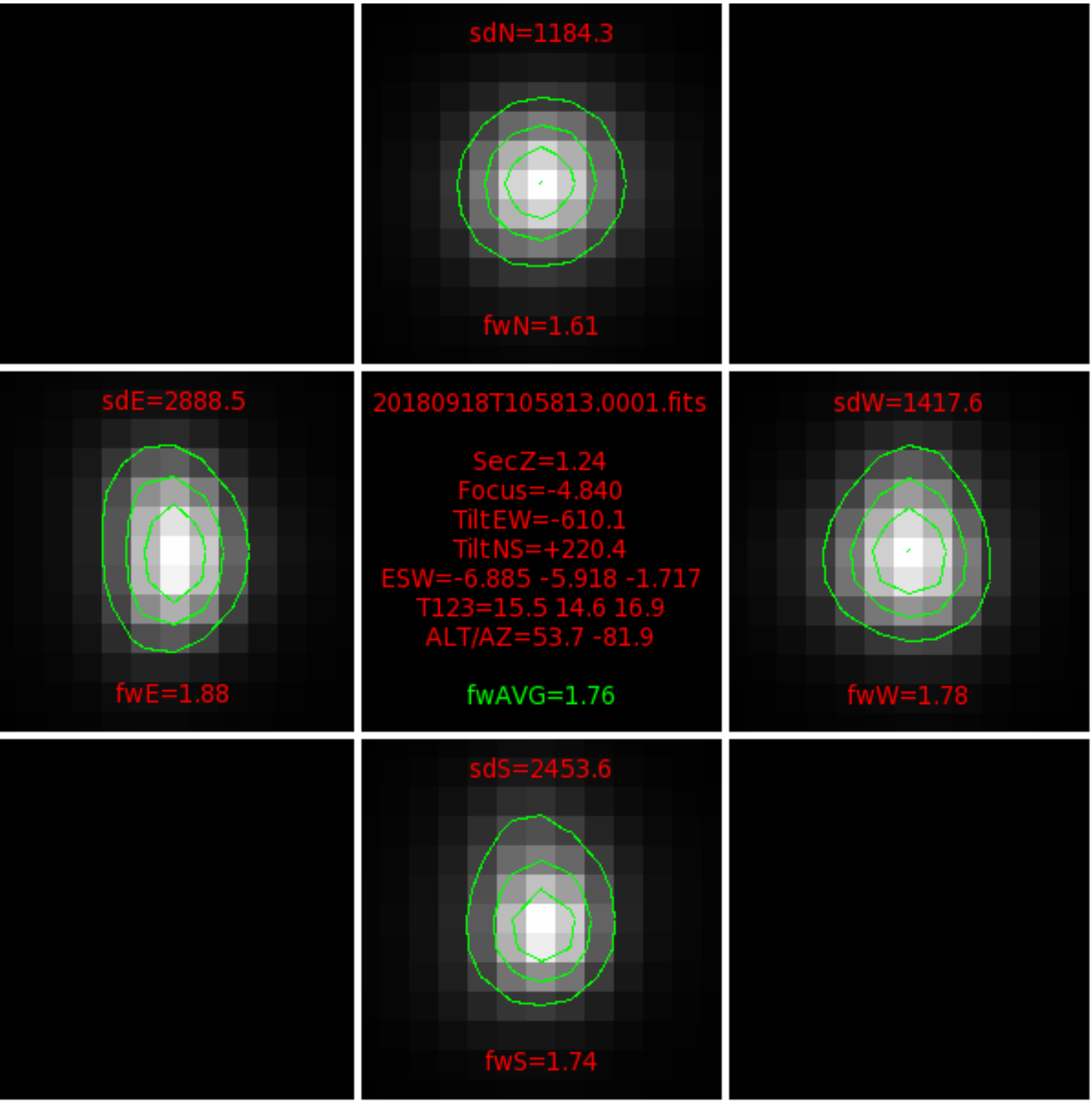
sdN=1184.3
fwN=1.61
sdE=2888.5
fwE=1.88
20180918T105813.0001.fits
SecZ=1.24
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.5 14.6 16.9
ALT/AZ=53.7 -81.9
fwAVG=1.76
sdW=1417.6
fwW=1.78
sdS=2453.6
fwS=1.74
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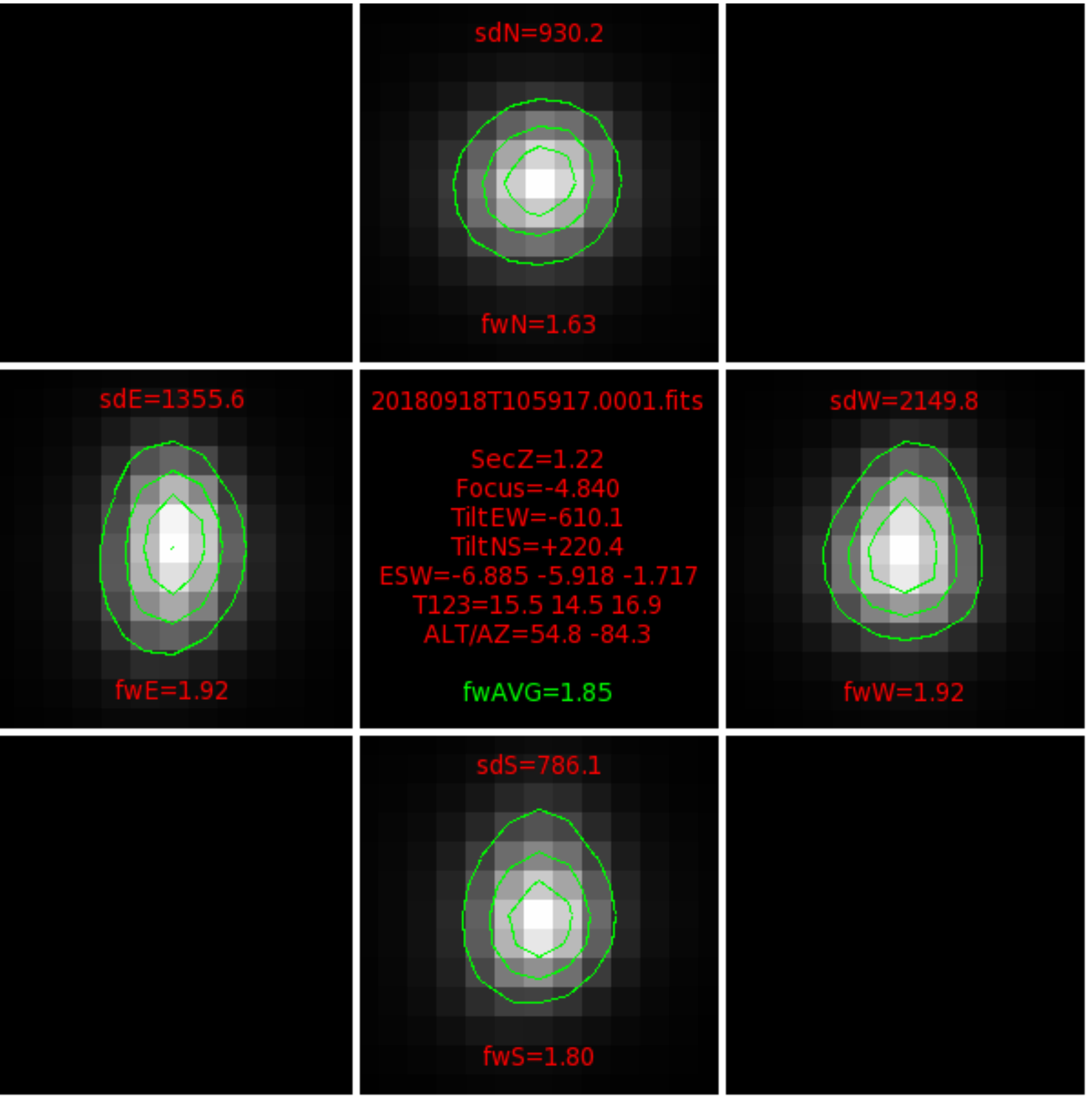
sdN=930.2
fwN=1.63
sdE=1355.6
fwE=1.92
20180918T105917.0001.fits
SecZ=1.22
Focus=-4.840
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.885 -5.918 -1.717
T123=15.5 14.5 16.9
ALT/AZ=54.8 -84.3
fwAVG=1.85
sdW=2149.8
fwW=1.92
sdS=786.1
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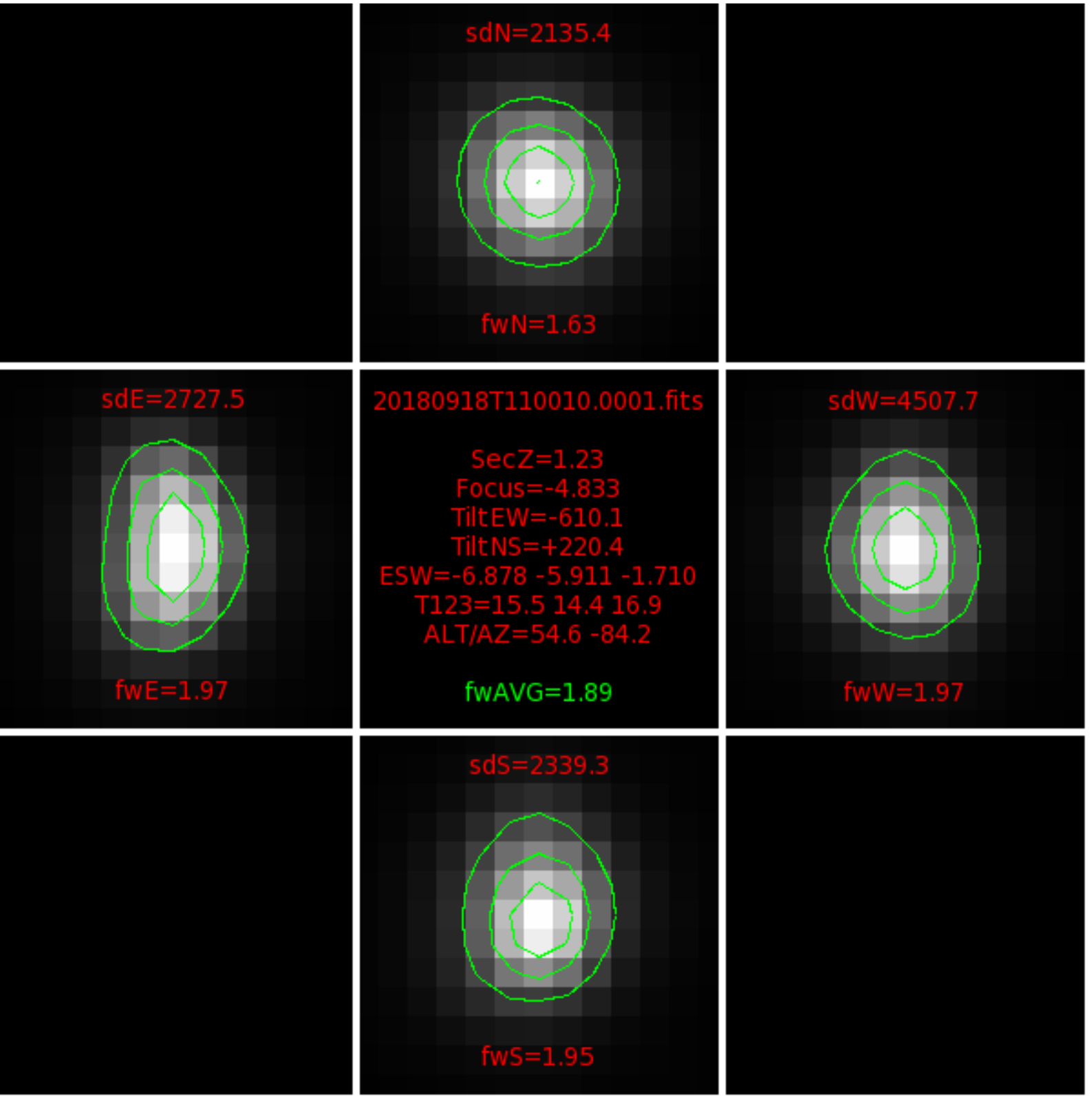
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fwN=1.63
sdE=2727.5
fwE=1.97
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SecZ=1.23
Focus=-4.833
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.878 -5.911 -1.710
T123=15.5 14.4 16.9
ALT/AZ=54.6 -84.2
fwAVG=1.89
sdW=4507.7
fwW=1.97
sdS=2339.3
fwS=1.95
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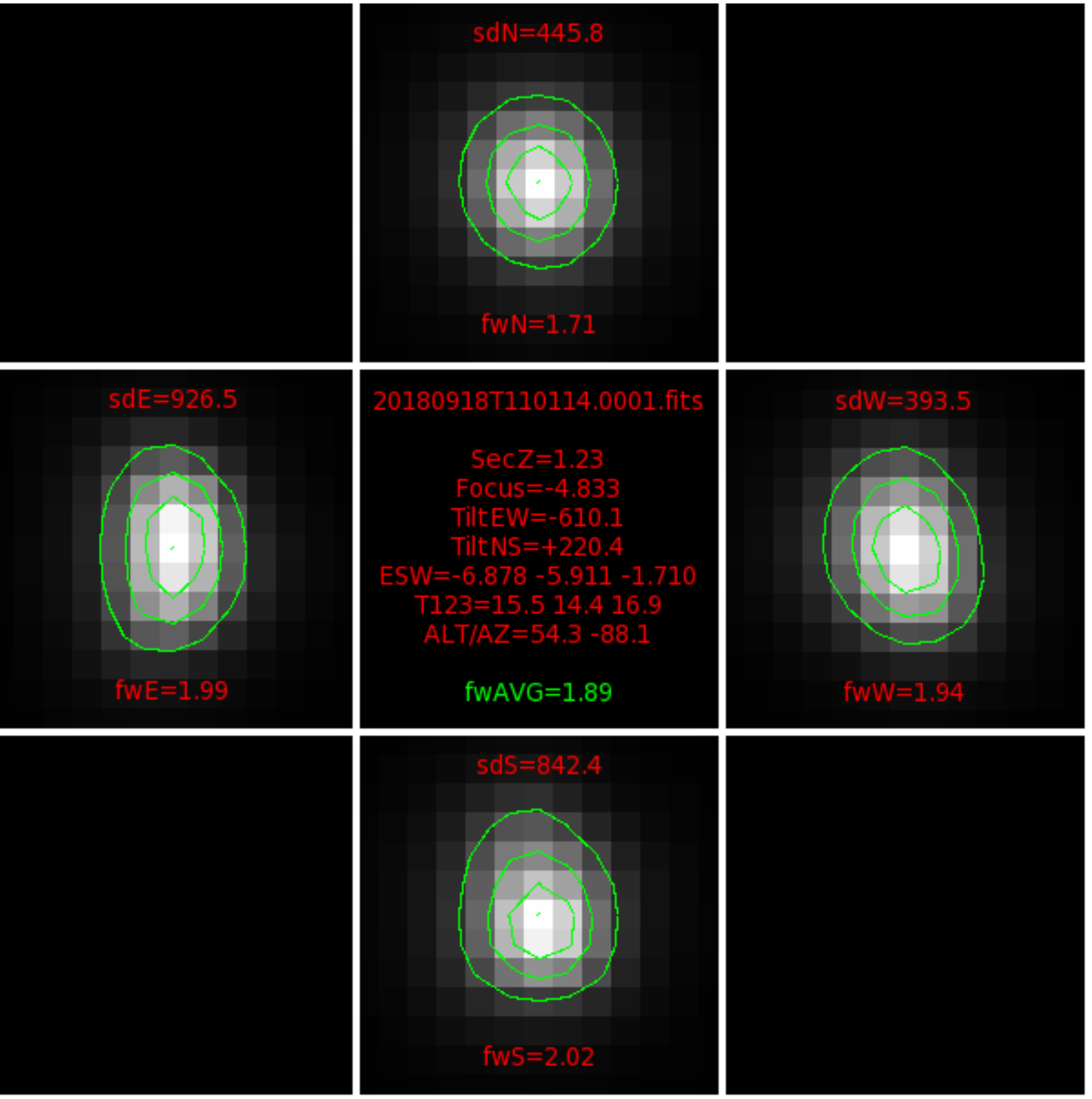
sdN=445.8
fwN=1.71
sdE=926.5
fwE=1.99
20180918T110114.0001.fits
SecZ=1.23
Focus=-4.833
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.878 -5.911 -1.710
T123=15.5 14.4 16.9
ALT/AZ=54.3 -88.1
fwAVG=1.89
sdW=393.5
fwW=1.94
sdS=842.4
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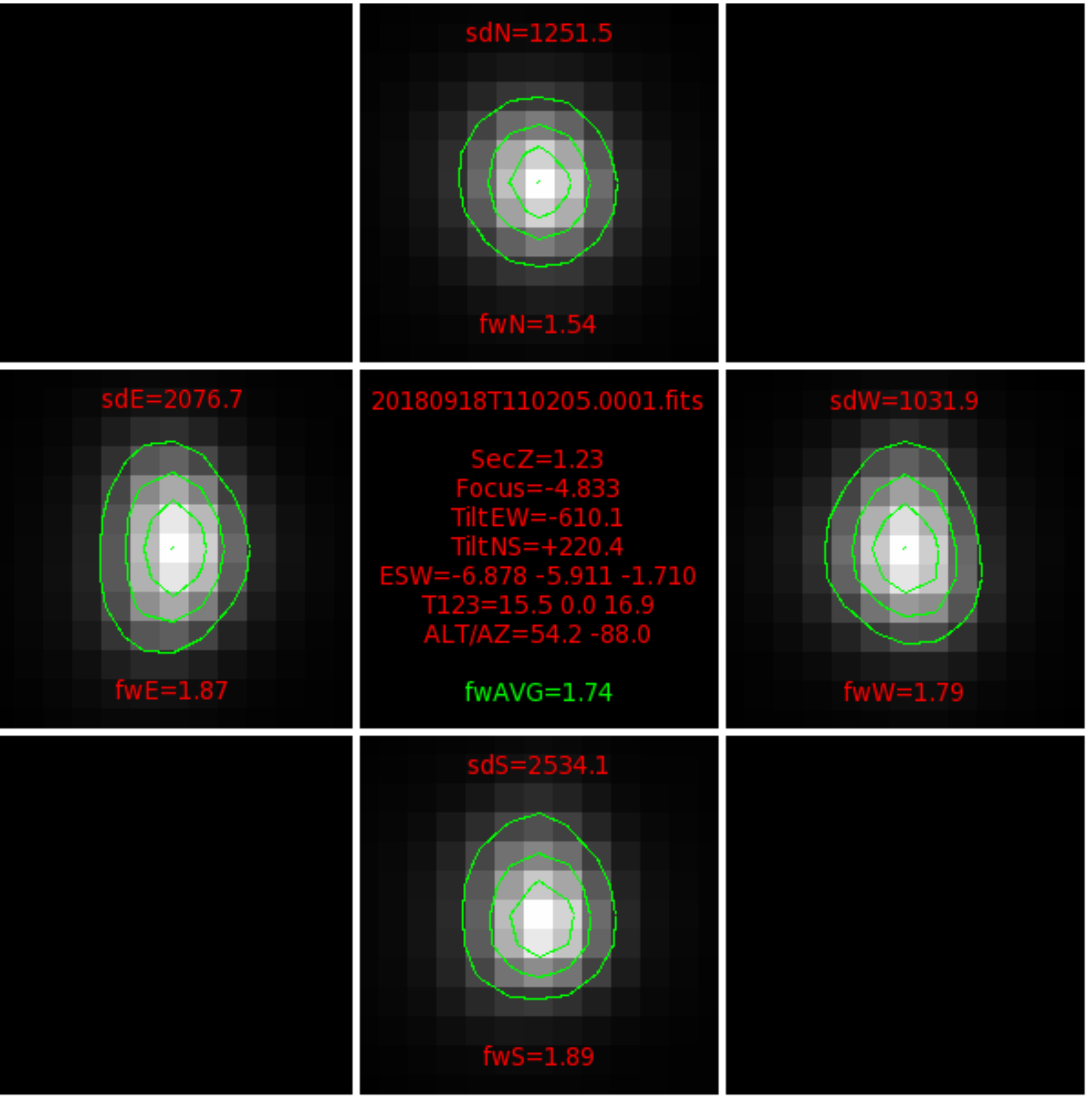
sdN=1251.5
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sdE=2076.7
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SecZ=1.23
Focus=-4.833
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.878 -5.911 -1.710
T123=15.5 0.0 16.9
ALT/AZ=54.2 -88.0
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sdW=1031.9
fwW=1.79
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fwS=1.89
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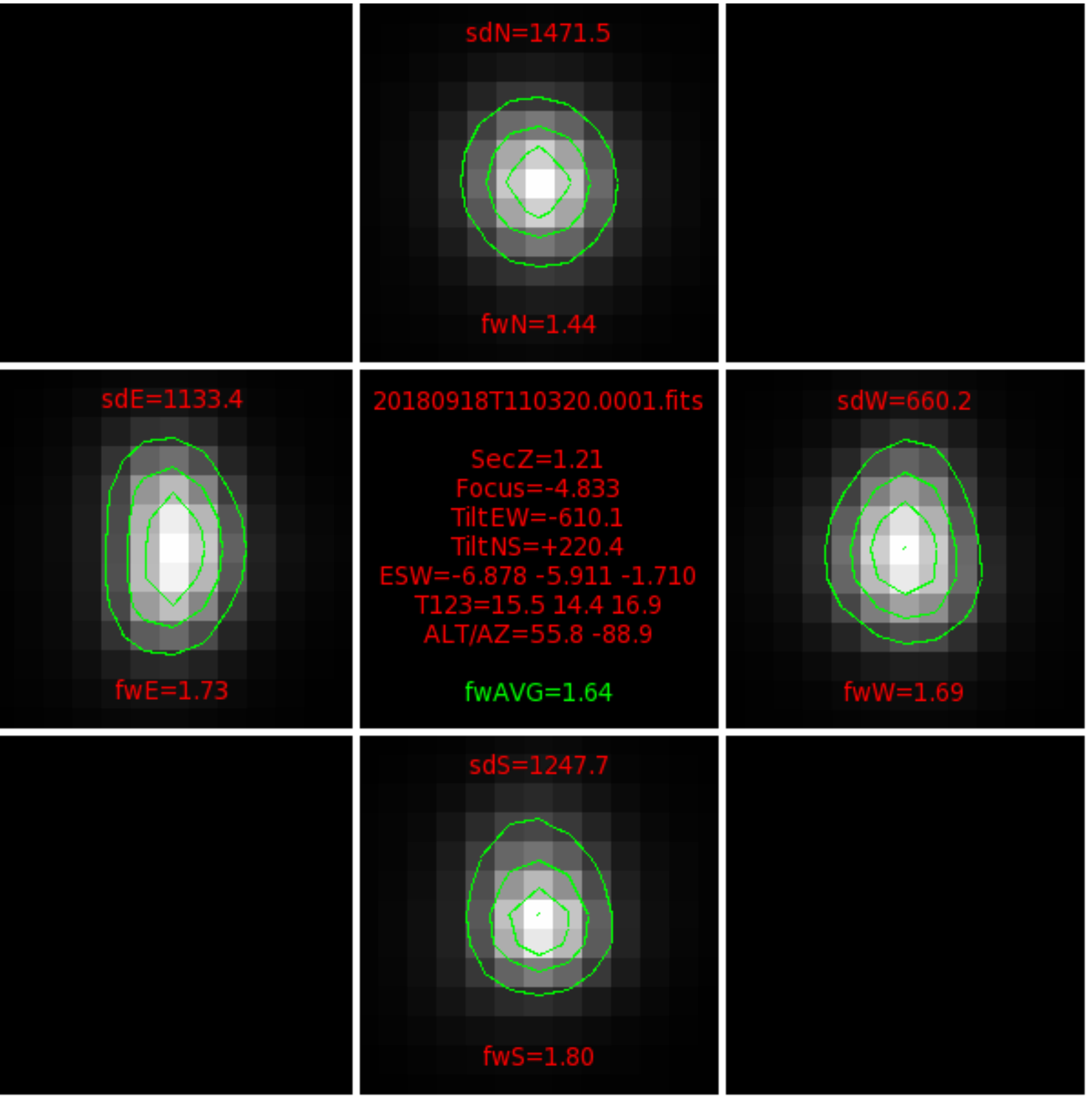
sdN=1471.5
fwN=1.44
sdE=1133.4
fwE=1.73
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SecZ=1.21
Focus=-4.833
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.878 -5.911 -1.710
T123=15.5 14.4 16.9
ALT/AZ=55.8 -88.9
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sdW=660.2
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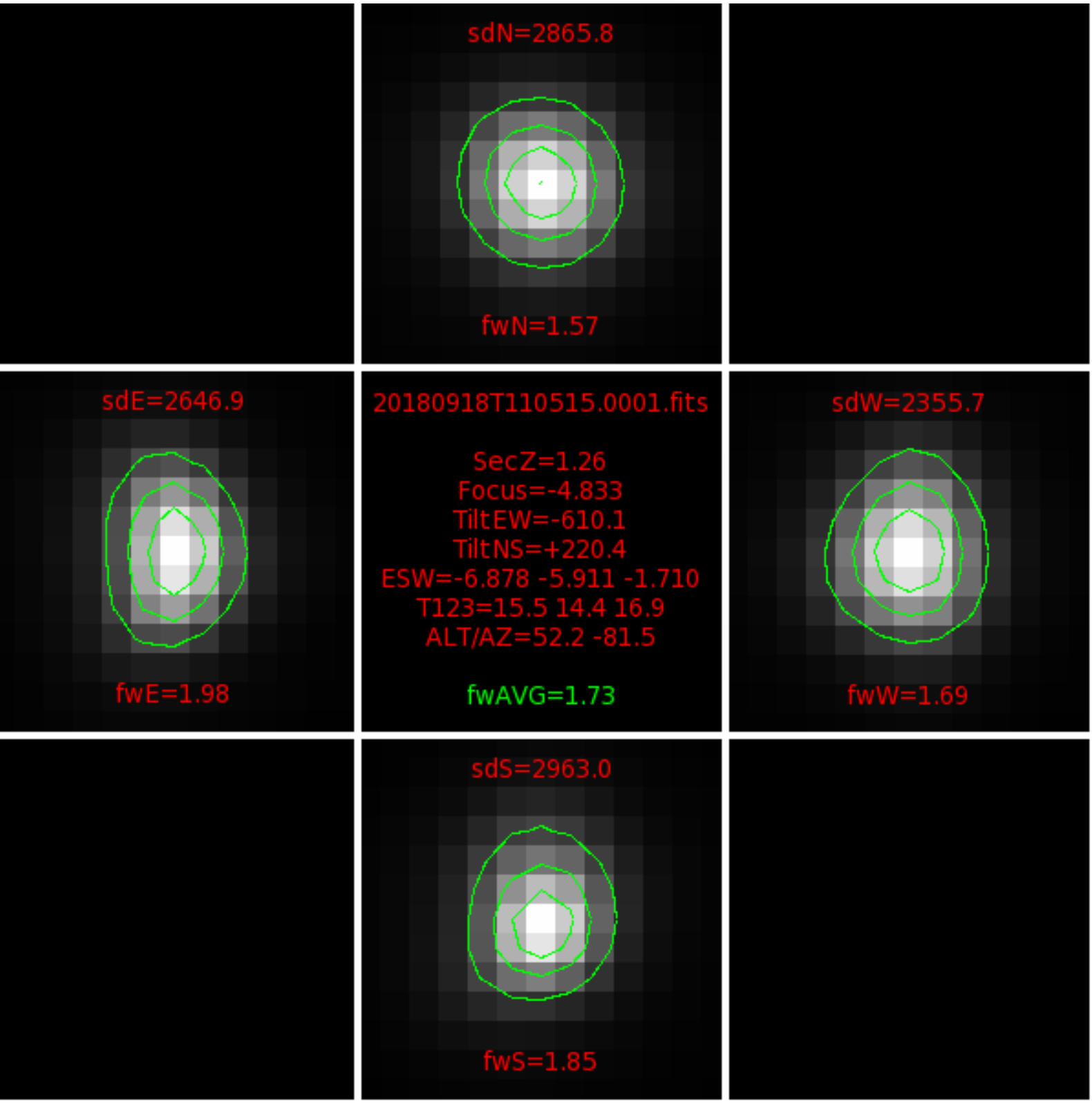
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fwN=1.57
sdE=2646.9
fwE=1.98
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SecZ=1.26
Focus=-4.833
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.878 -5.911 -1.710
T123=15.5 14.4 16.9
ALT/AZ=52.2 -81.5
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sdW=2355.7
fwW=1.69
sdS=2963.0
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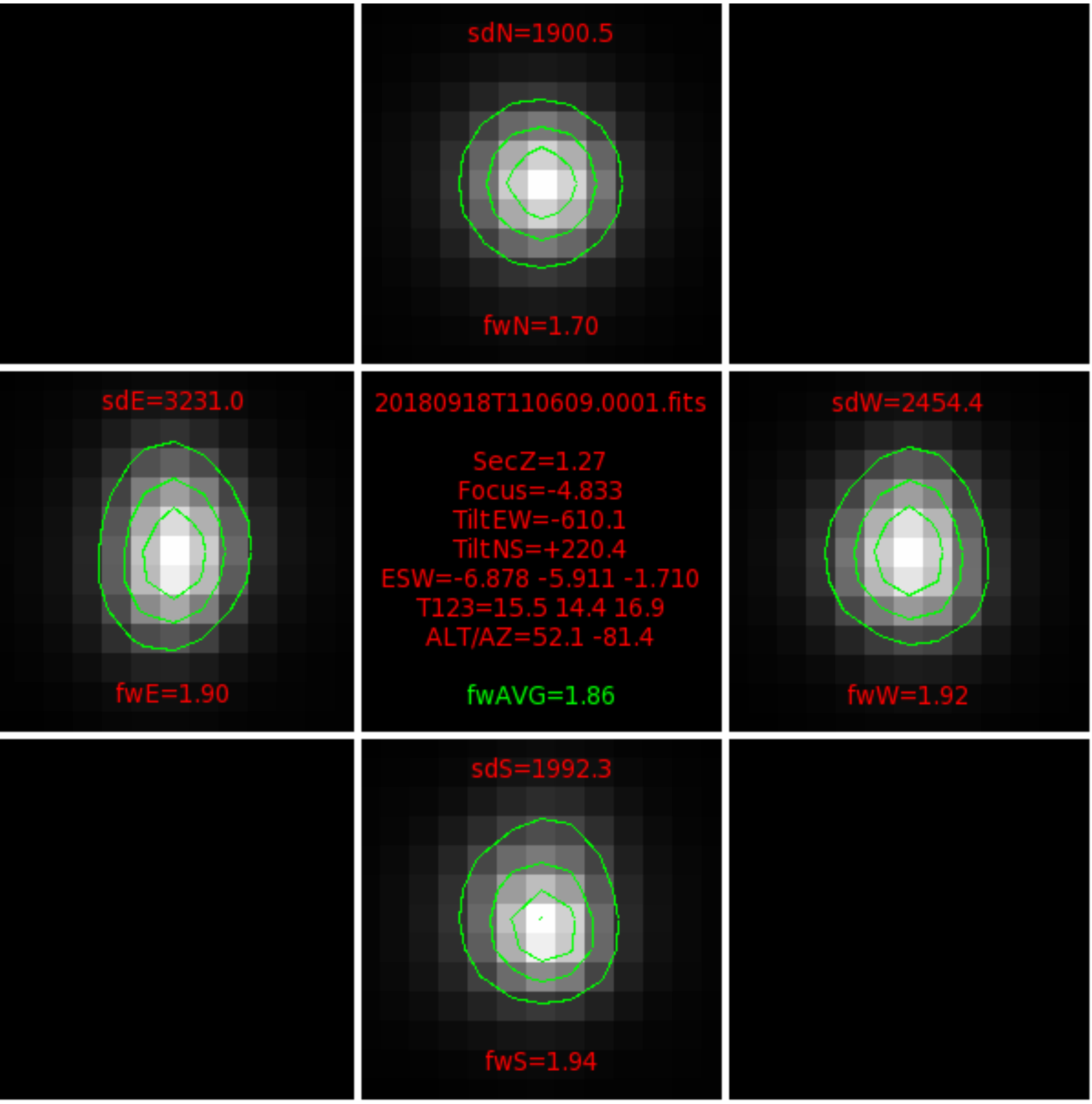
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fwN=1.70
sdE=3231.0
fwE=1.90
20180918T110609.0001.fits
SecZ=1.27
Focus=-4.833
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.878 -5.911 -1.710
T123=15.5 14.4 16.9
ALT/AZ=52.1 -81.4
fwAVG=1.86
sdW=2454.4
fwW=1.92
sdS=1992.3
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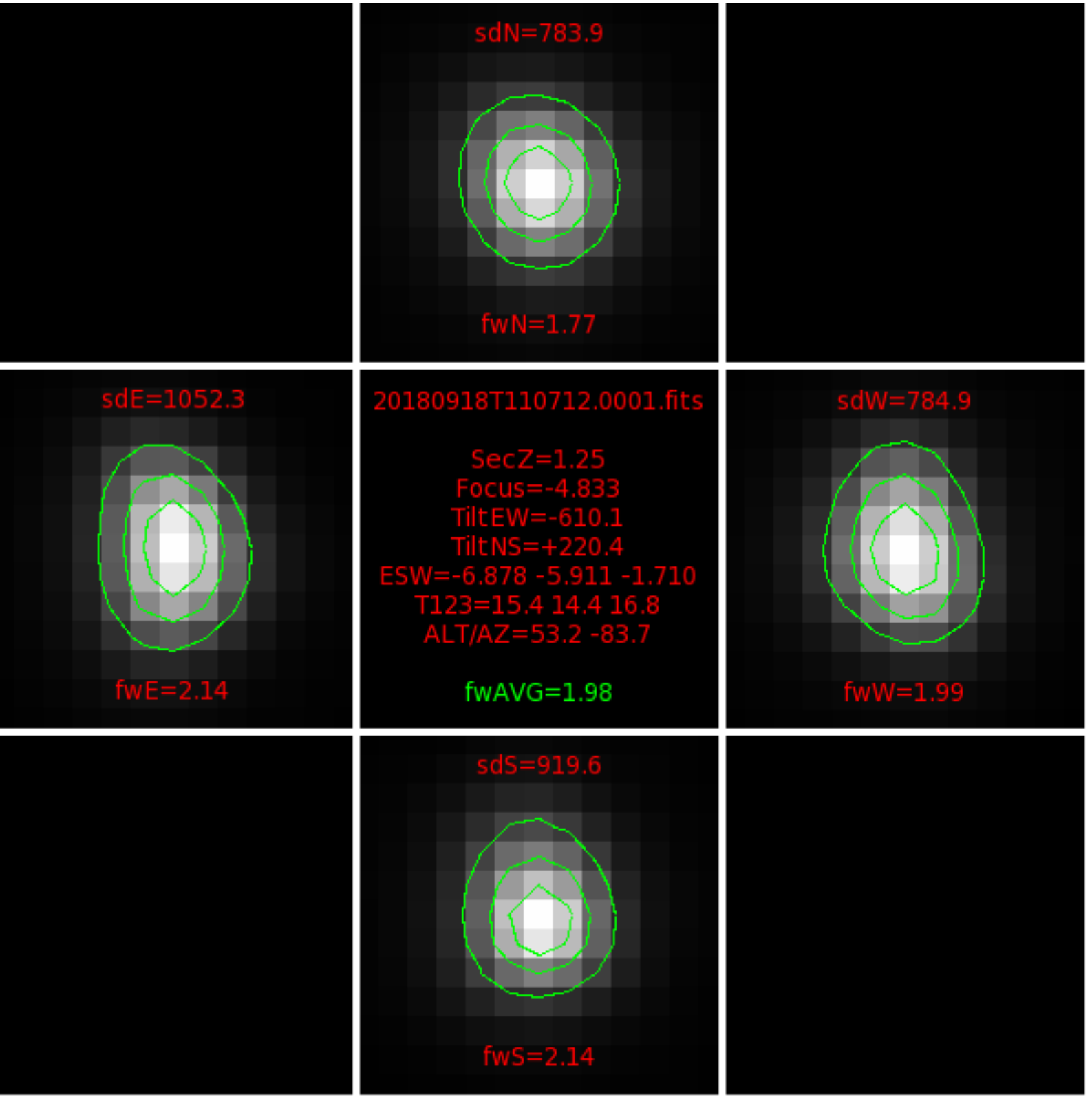
sdN=783.9
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sdE=1052.3
fwE=2.14
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SecZ=1.25
Focus=-4.833
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.878 -5.911 -1.710
T123=15.4 14.4 16.8
ALT/AZ=53.2 -83.7
fwAVG=1.98
sdW=784.9
fwW=1.99
sdS=919.6
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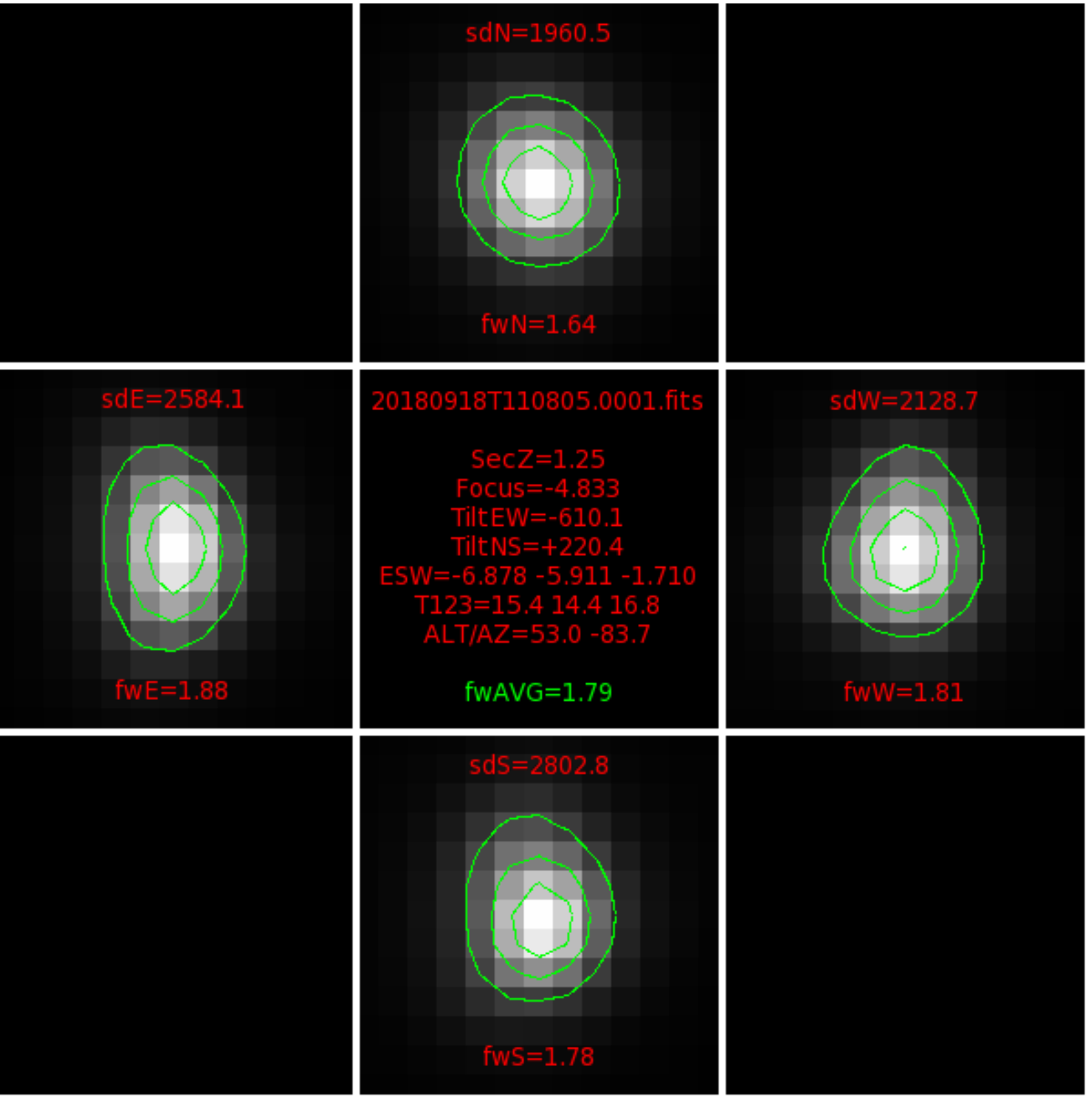
sdN=1960.5
fwN=1.64
sdE=2584.1
fwE=1.88
20180918T110805.0001.fits
SecZ=1.25
Focus=-4.833
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.878 -5.911 -1.710
T123=15.4 14.4 16.8
ALT/AZ=53.0 -83.7
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sdW=2128.7
fwW=1.81
sdS=2802.8
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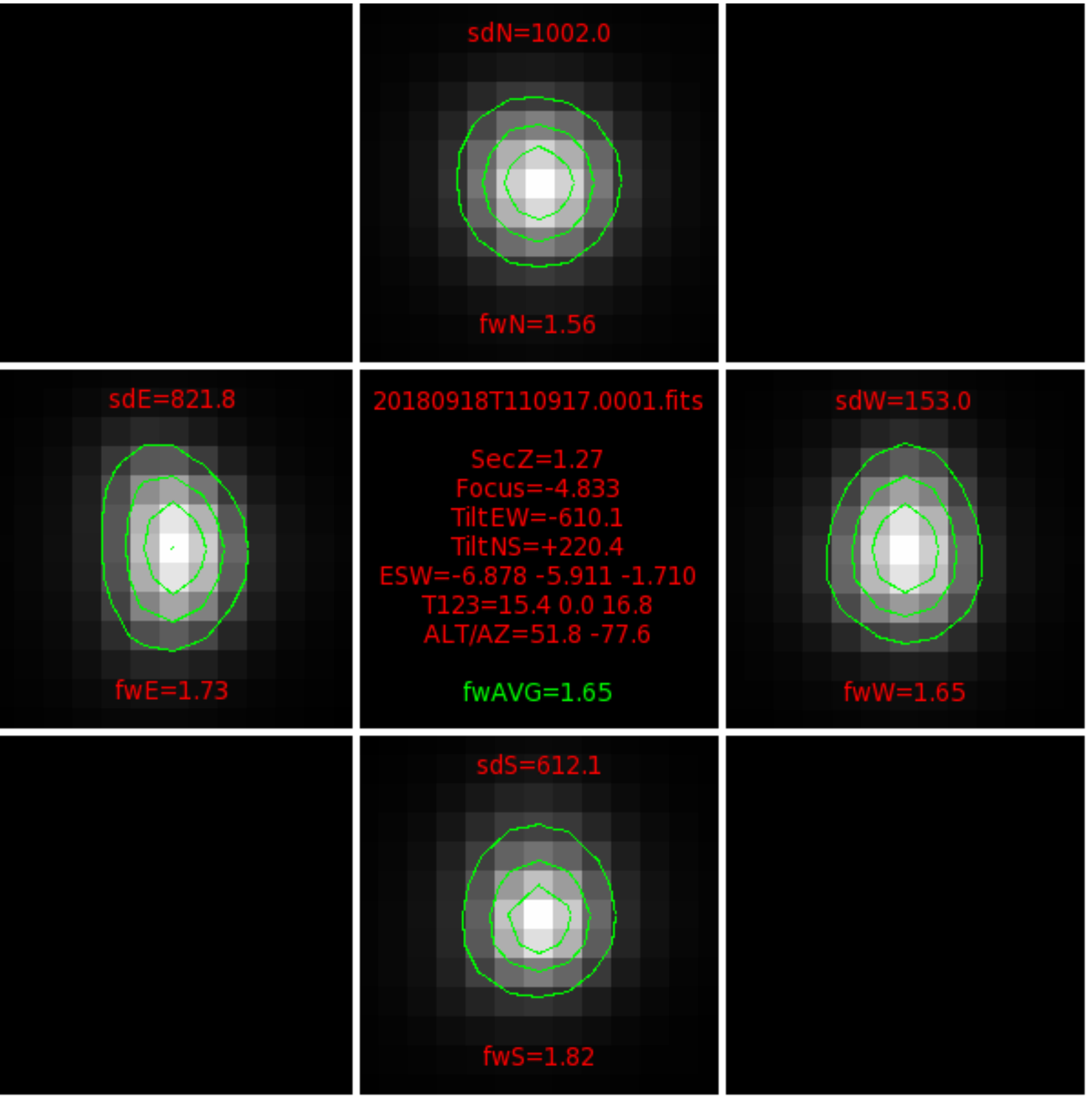
sdN=1002.0
fwN=1.56
sdE=821.8
fwE=1.73
20180918T110917.0001.fits
SecZ=1.27
Focus=-4.833
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.878 -5.911 -1.710
T123=15.4 0.0 16.8
ALT/AZ=51.8 -77.6
fwAVG=1.65
sdW=153.0
fwW=1.65
sdS=612.1
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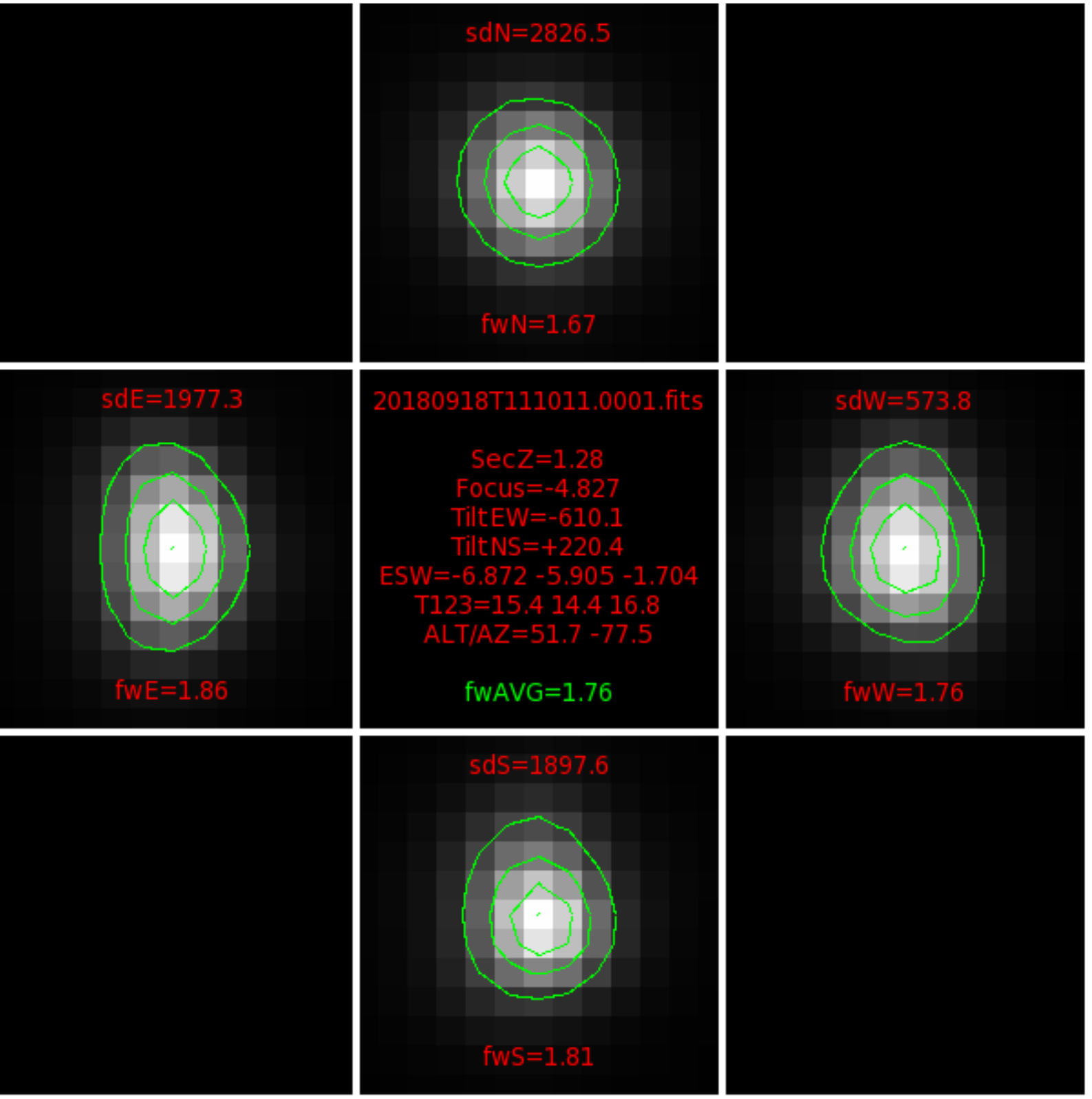
sdN=2826.5
fwN=1.67
sdE=1977.3
fwE=1.86
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SecZ=1.28
Focus=-4.827
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.872 -5.905 -1.704
T123=15.4 14.4 16.8
ALT/AZ=51.7 -77.5
fwAVG=1.76
sdW=573.8
fwW=1.76
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fwS=1.81
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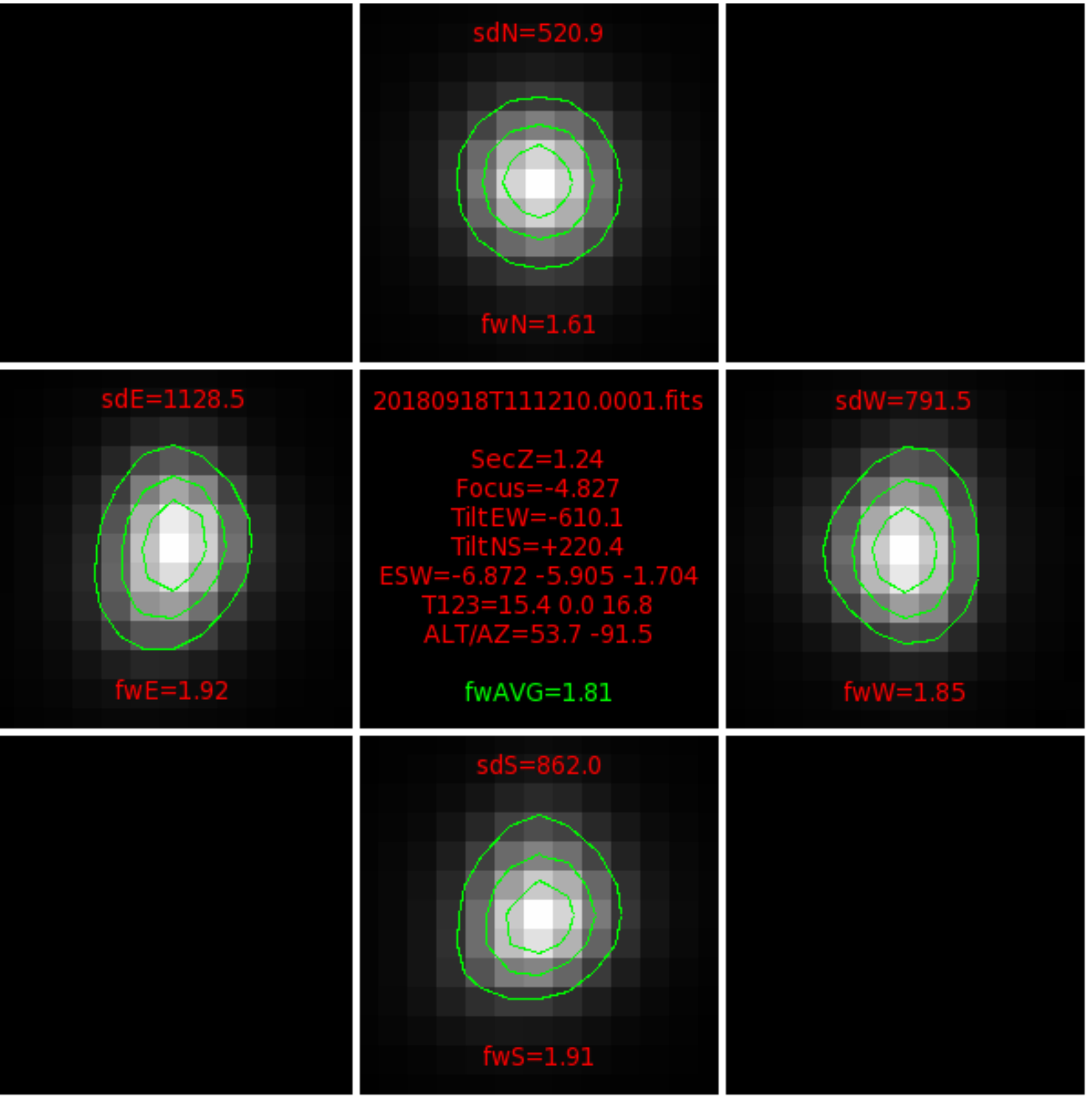
sdN=520.9
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sdE=1128.5
fwE=1.92
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SecZ=1.24
Focus=-4.827
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.872 -5.905 -1.704
T123=15.4 0.0 16.8
ALT/AZ=53.7 -91.5
fwAVG=1.81
sdW=791.5
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sdS=862.0
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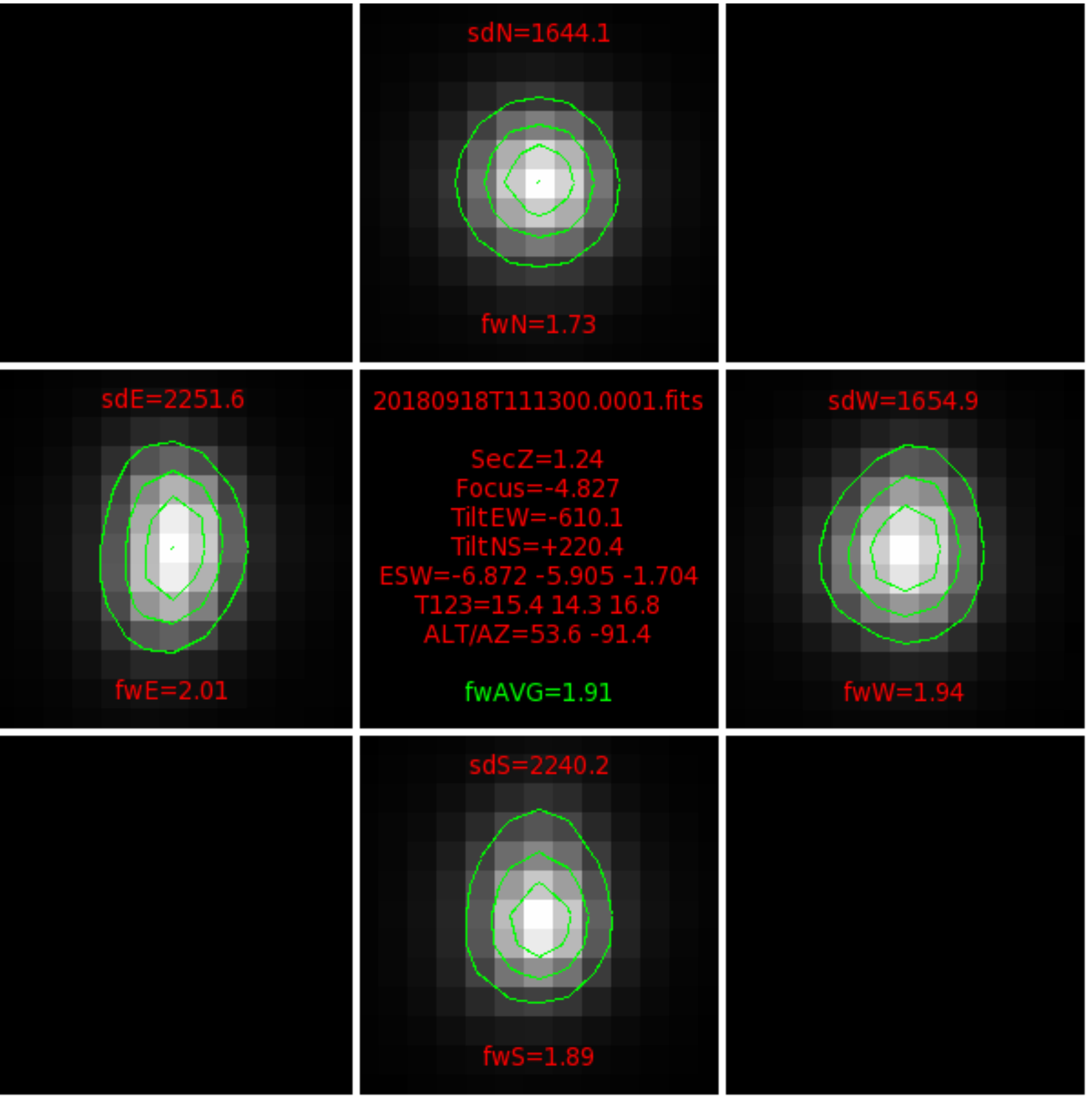
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fwN=1.73
sdE=2251.6
fwE=2.01
20180918T111300.0001.fits
SecZ=1.24
Focus=-4.827
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.872 -5.905 -1.704
T123=15.4 14.3 16.8
ALT/AZ=53.6 -91.4
fwAVG=1.91
sdW=1654.9
fwW=1.94
sdS=2240.2
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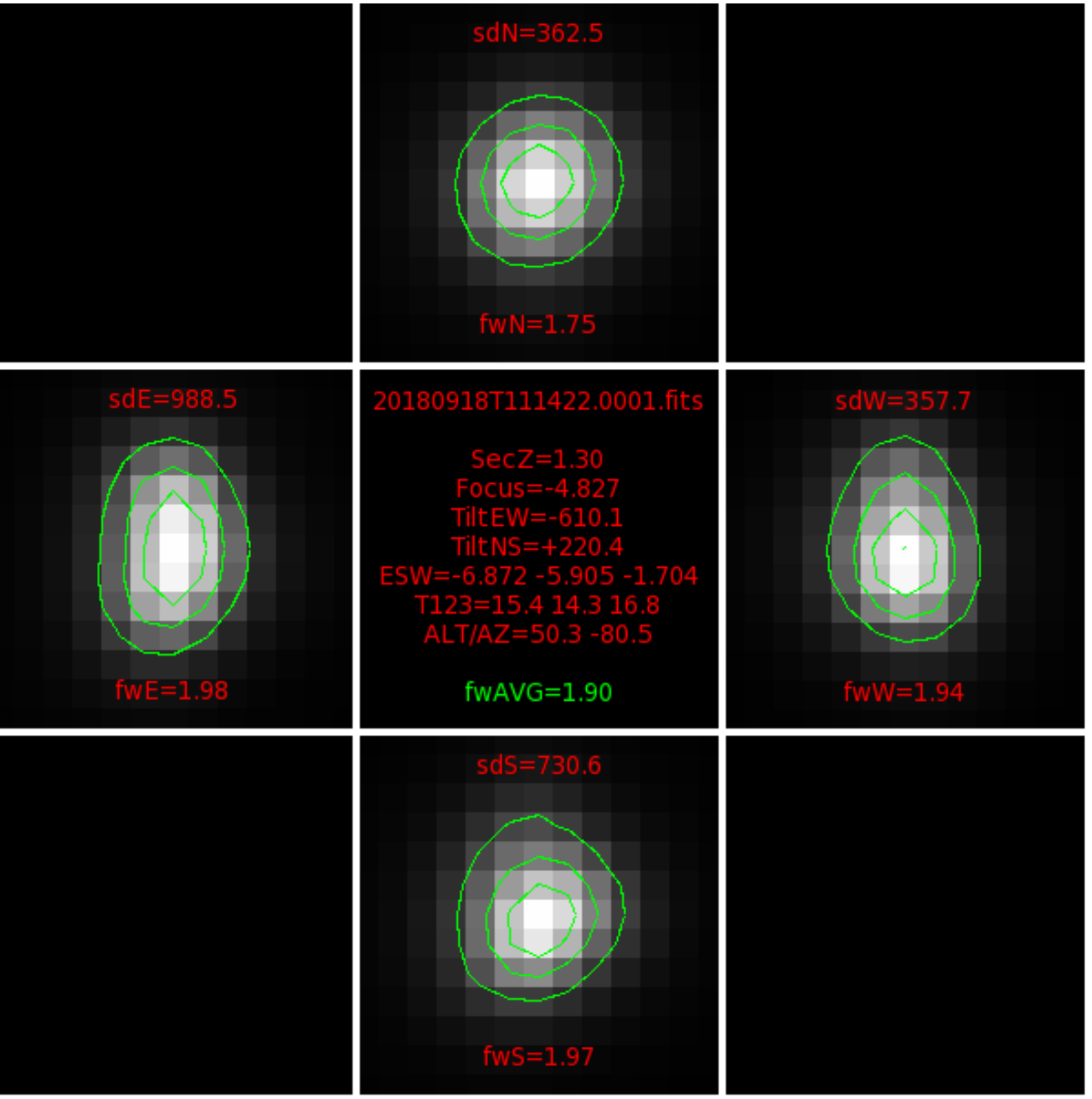
sdN=362.5
fwN=1.75
sdE=988.5
fwE=1.98
20180918T111422.0001.fits
SecZ=1.30
Focus=-4.827
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.872 -5.905 -1.704
T123=15.4 14.3 16.8
ALT/AZ=50.3 -80.5
fwAVG=1.90
sdW=357.7
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sdS=730.6
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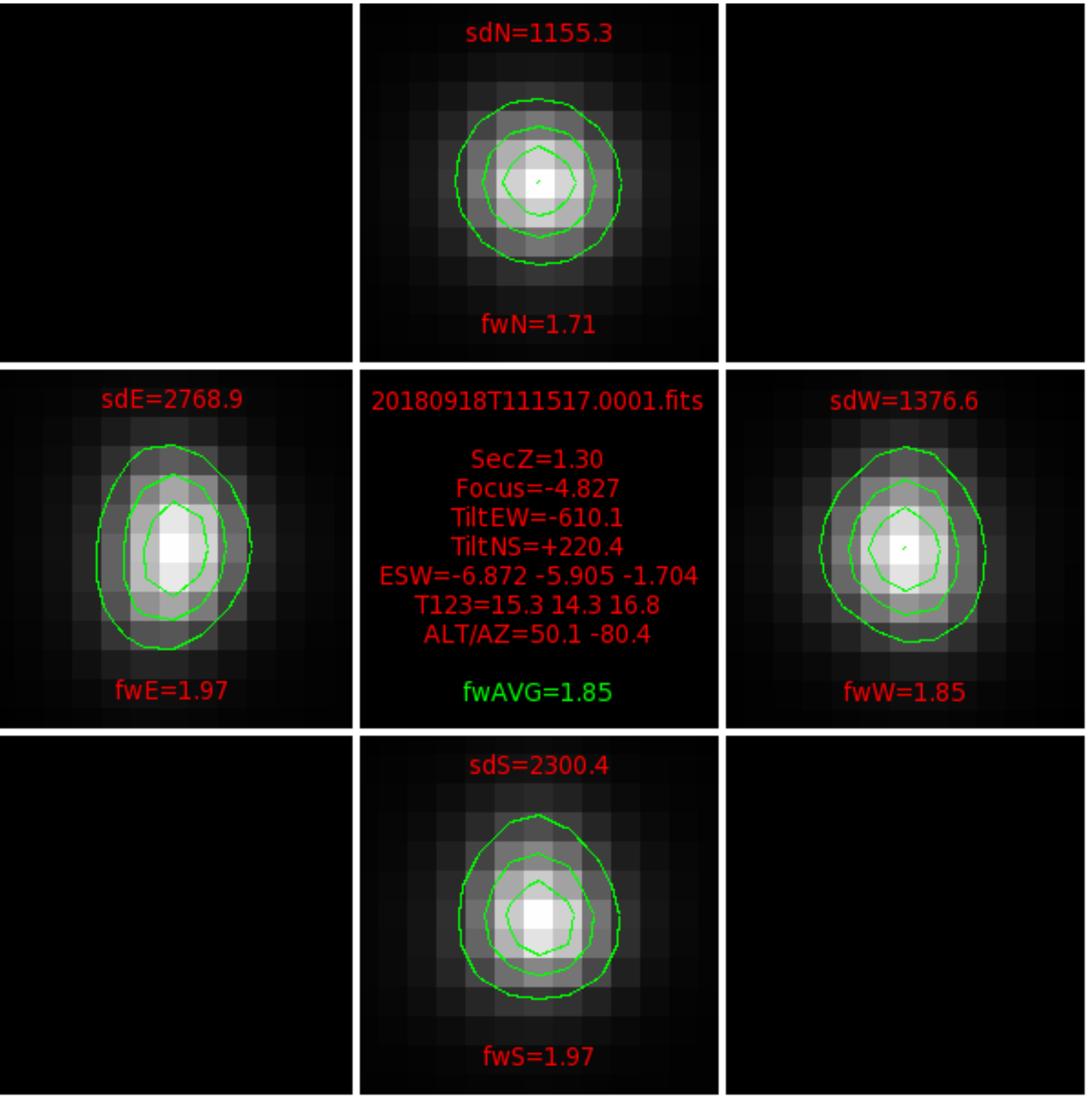
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sdE=2768.9
fwE=1.97
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SecZ=1.30
Focus=-4.827
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.872 -5.905 -1.704
T123=15.3 14.3 16.8
ALT/AZ=50.1 -80.4
fwAVG=1.85
sdW=1376.6
fwW=1.85
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fwS=1.97
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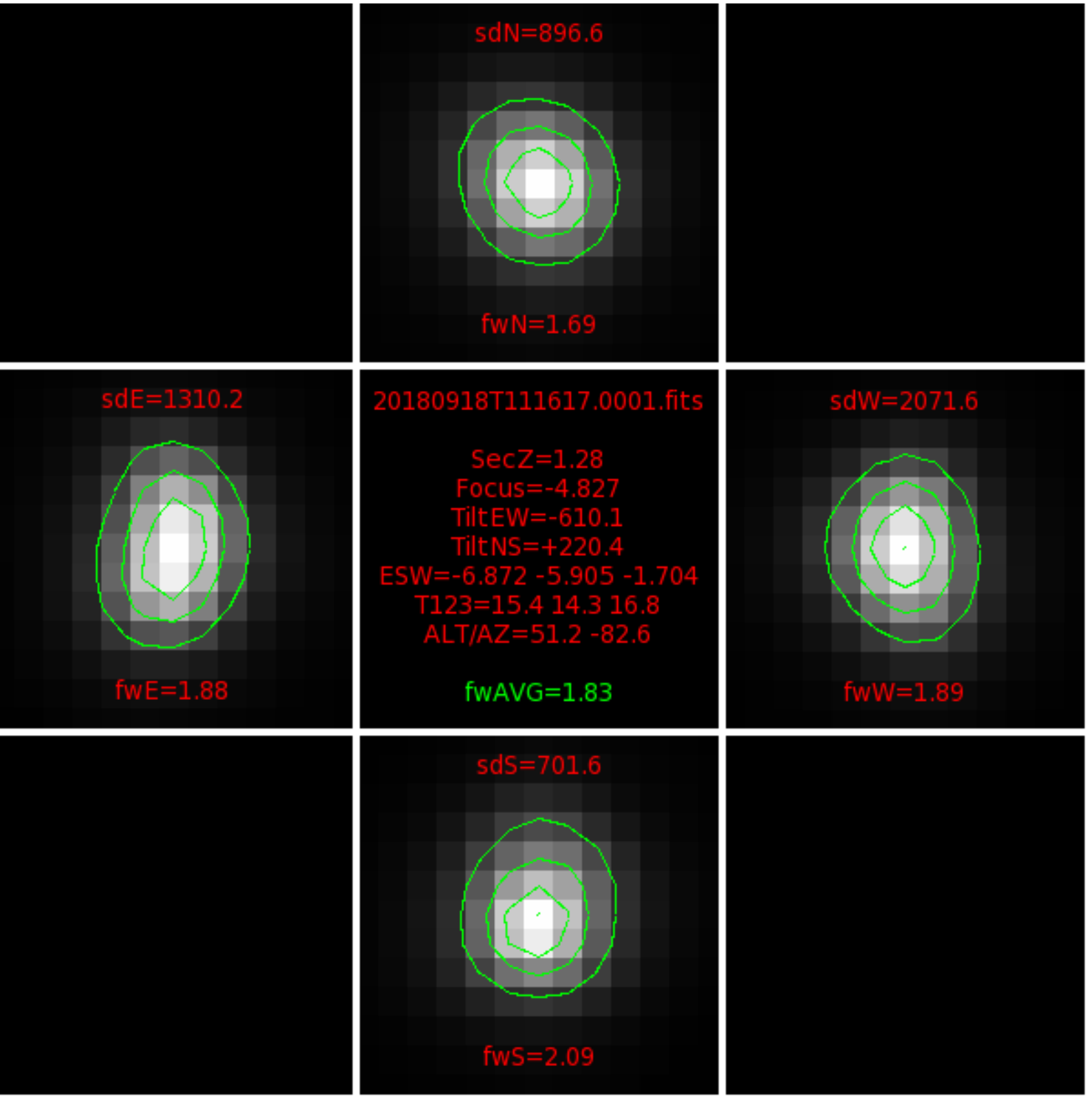
sdN=896.6
fwN=1.69
sdE=1310.2
fwE=1.88
20180918T111617.0001.fits
SecZ=1.28
Focus=-4.827
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.872 -5.905 -1.704
T123=15.4 14.3 16.8
ALT/AZ=51.2 -82.6
fwAVG=1.83
sdW=2071.6
fwW=1.89
sdS=701.6
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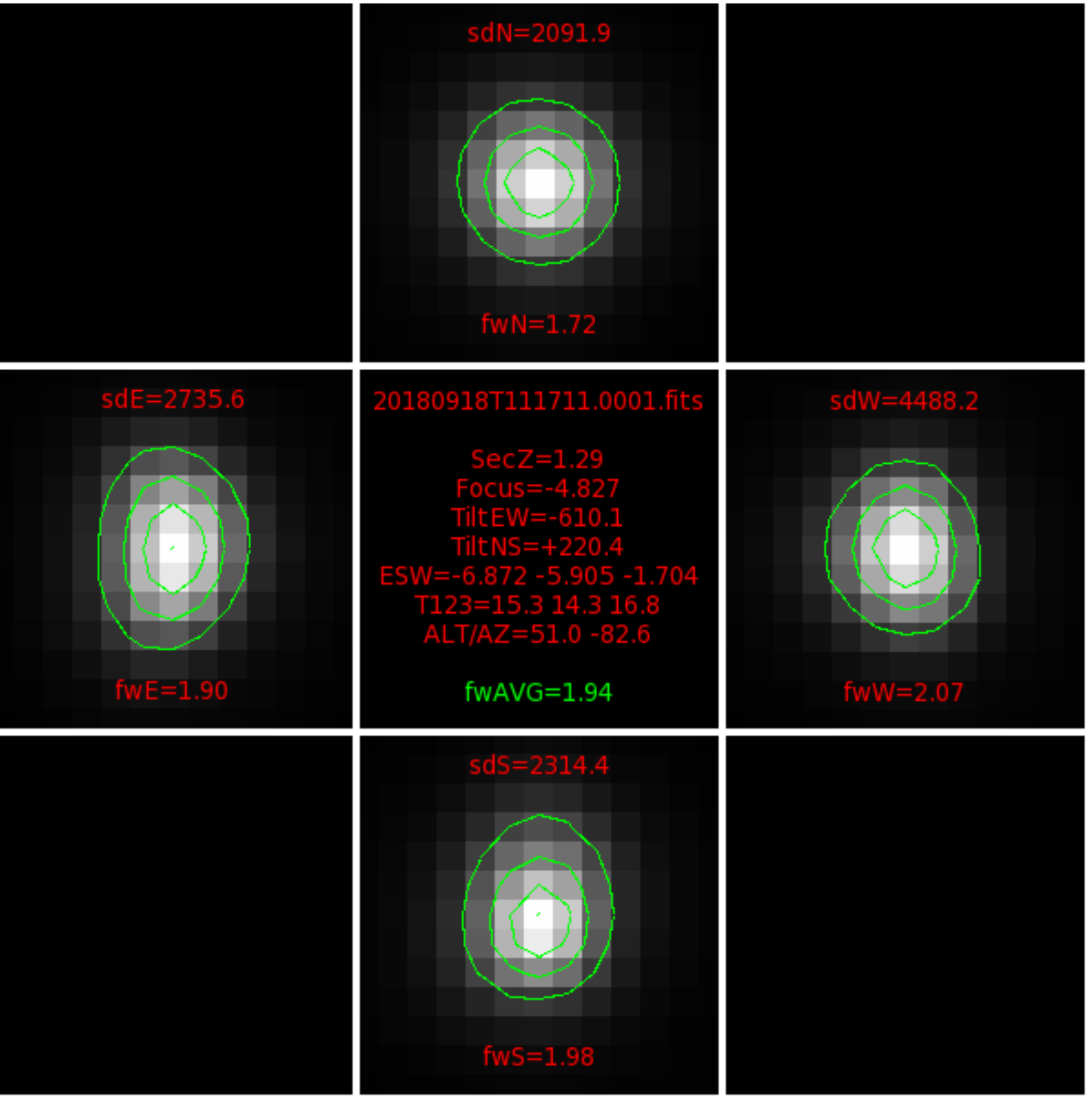
sdN=2091.9
fwN=1.72
sdE=2735.6
fwE=1.90
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SecZ=1.29
Focus=-4.827
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.872 -5.905 -1.704
T123=15.3 14.3 16.8
ALT/AZ=51.0 -82.6
fwAVG=1.94
sdW=4488.2
fwW=2.07
sdS=2314.4
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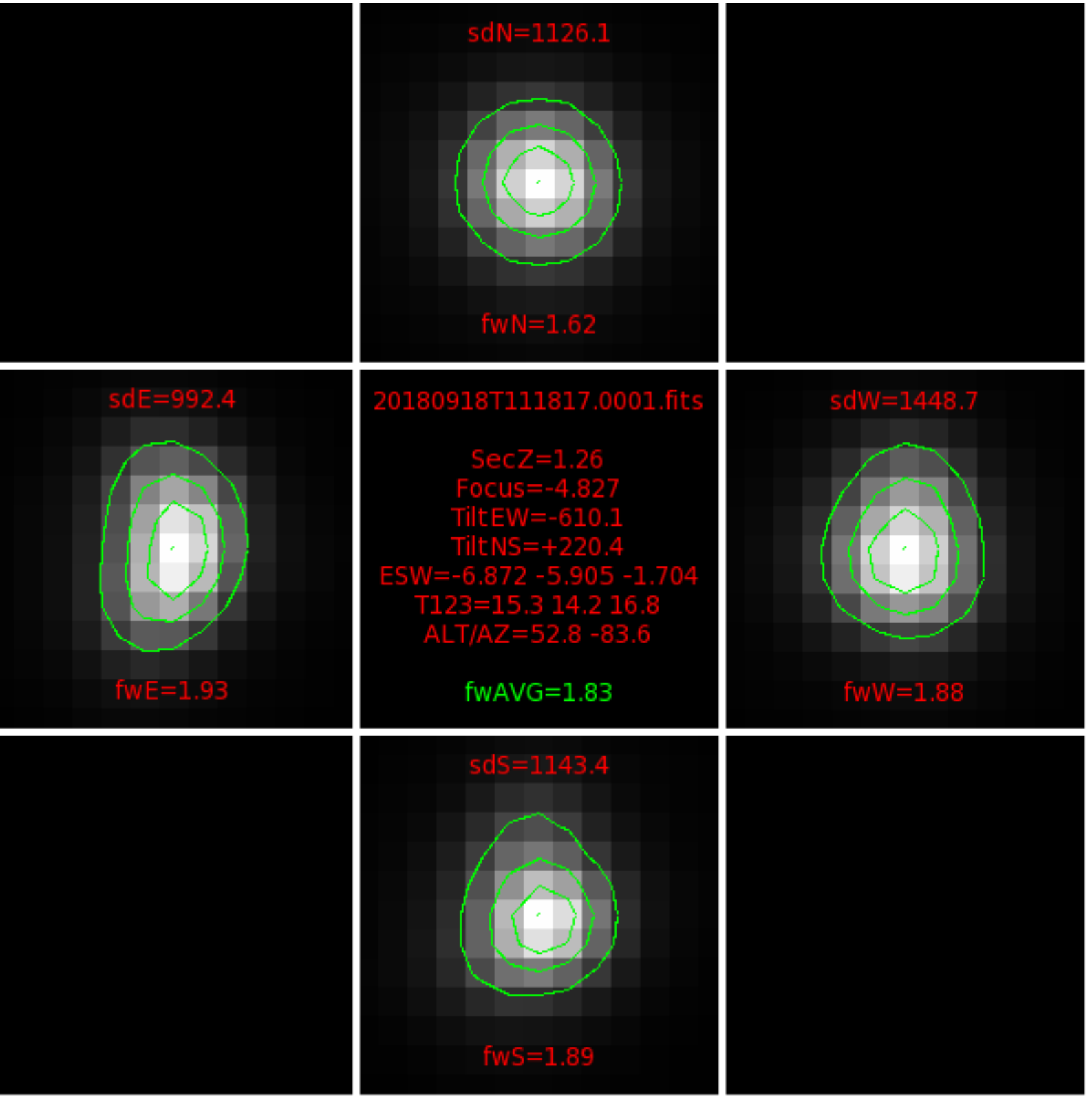
sdN=1126.1
fwN=1.62
sdE=992.4
fwE=1.93
20180918T111817.0001.fits
SecZ=1.26
Focus=-4.827
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.872 -5.905 -1.704
T123=15.3 14.2 16.8
ALT/AZ=52.8 -83.6
fwAVG=1.83
sdW=1448.7
fwW=1.88
sdS=1143.4
fwS=1.89
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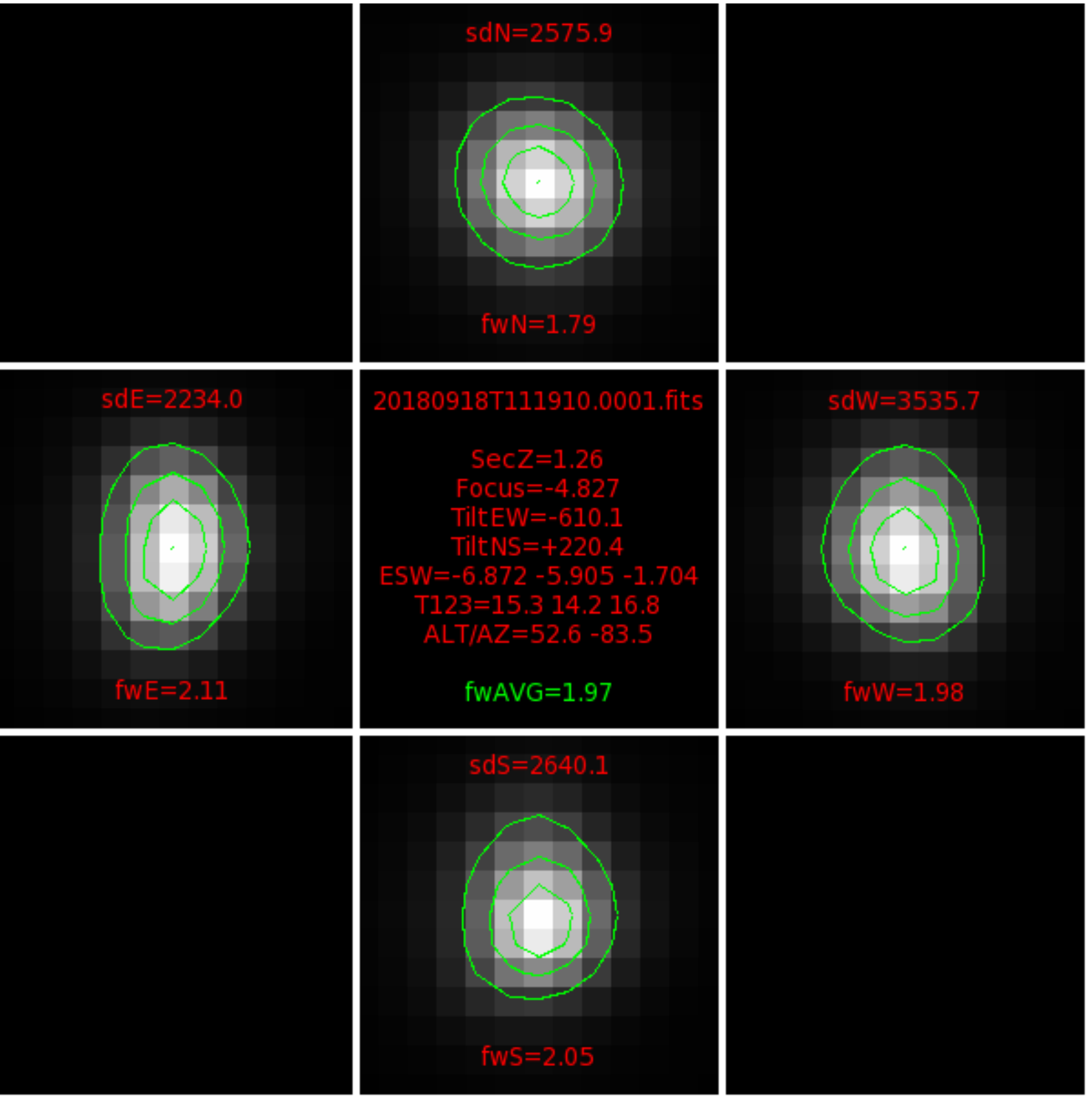
sdN=2575.9
fwN=1.79
sdE=2234.0
fwE=2.11
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SecZ=1.26
Focus=-4.827
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.872 -5.905 -1.704
T123=15.3 14.2 16.8
ALT/AZ=52.6 -83.5
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sdW=3535.7
fwW=1.98
sdS=2640.1
fwS=2.05
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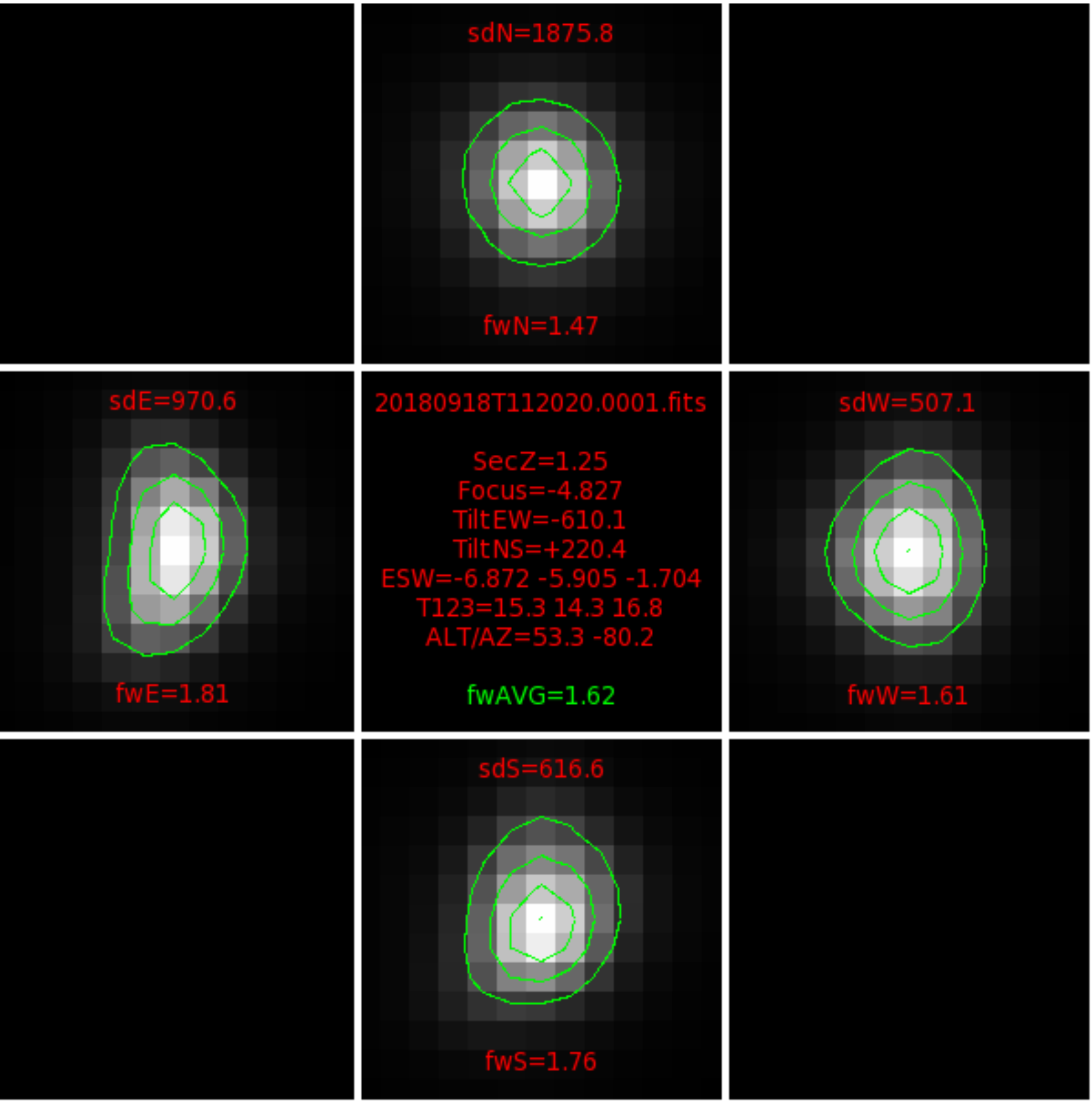
sdN=1875.8
fwN=1.47
sdE=970.6
fwE=1.81
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SecZ=1.25
Focus=-4.827
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.872 -5.905 -1.704
T123=15.3 14.3 16.8
ALT/AZ=53.3 -80.2
fwAVG=1.62
sdW=507.1
fwW=1.61
sdS=616.6
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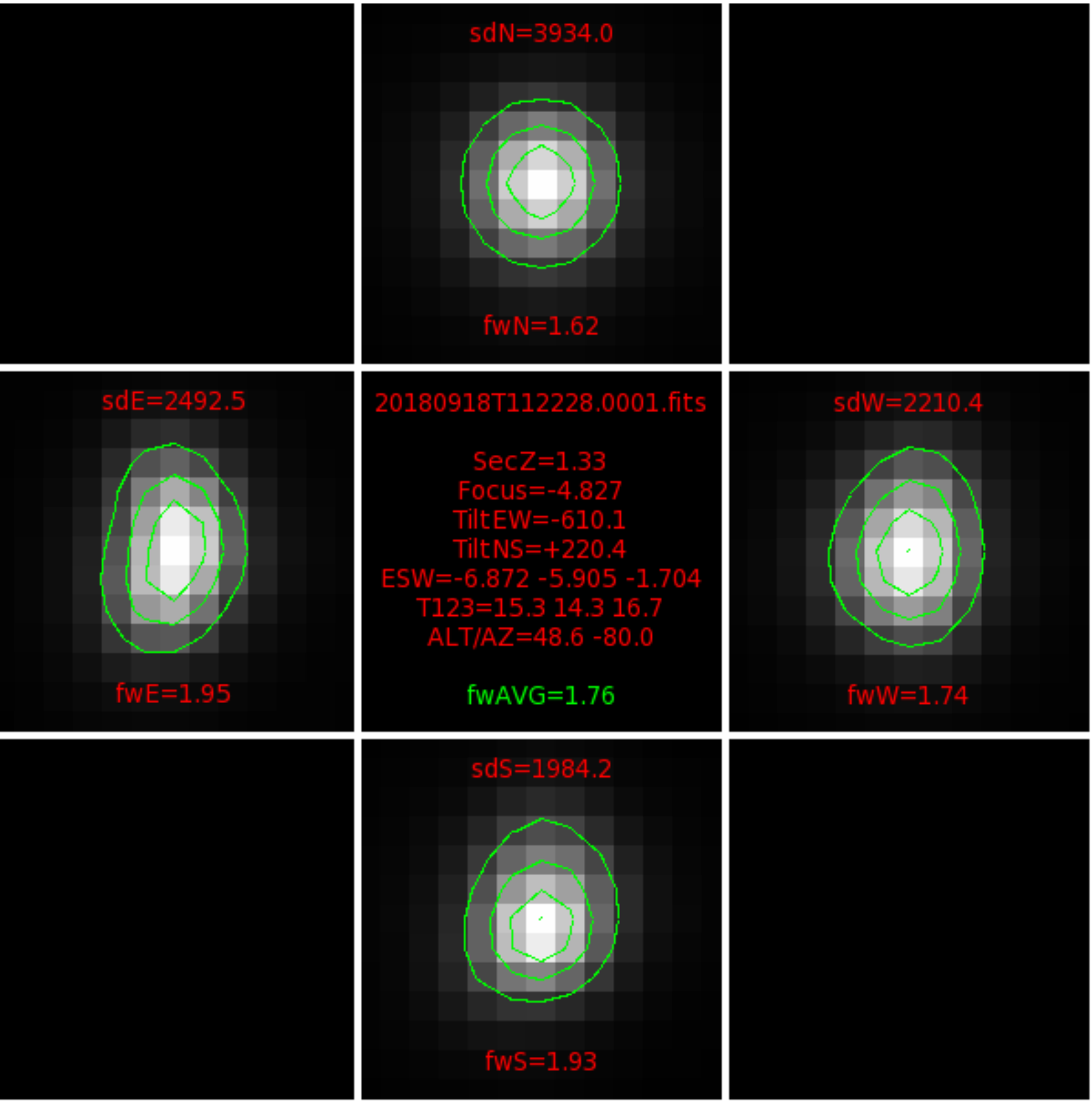
sdN=3934.0
fwN=1.62
sdE=2492.5
fwE=1.95
20180918T112228.0001.fits
SecZ=1.33
Focus=-4.827
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.872 -5.905 -1.704
T123=15.3 14.3 16.7
ALT/AZ=48.6 -80.0
fwAVG=1.76
sdW=2210.4
fwW=1.74
sdS=1984.2
fwS=1.93
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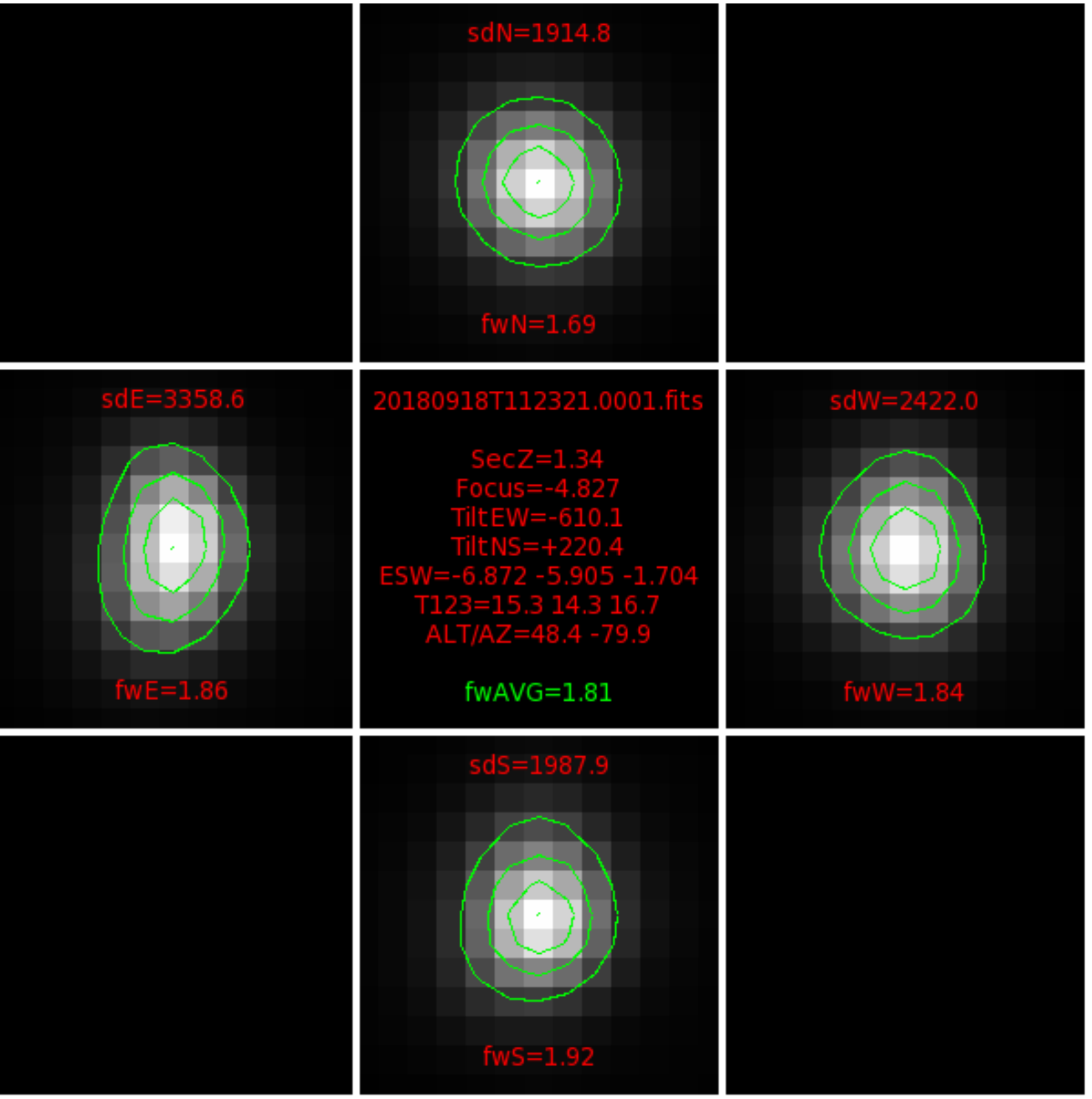
sdN=1914.8
fwN=1.69
sdE=3358.6
fwE=1.86
20180918T112321.0001.fits
SecZ=1.34
Focus=-4.827
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.872 -5.905 -1.704
T123=15.3 14.3 16.7
ALT/AZ=48.4 -79.9
fwAVG=1.81
sdW=2422.0
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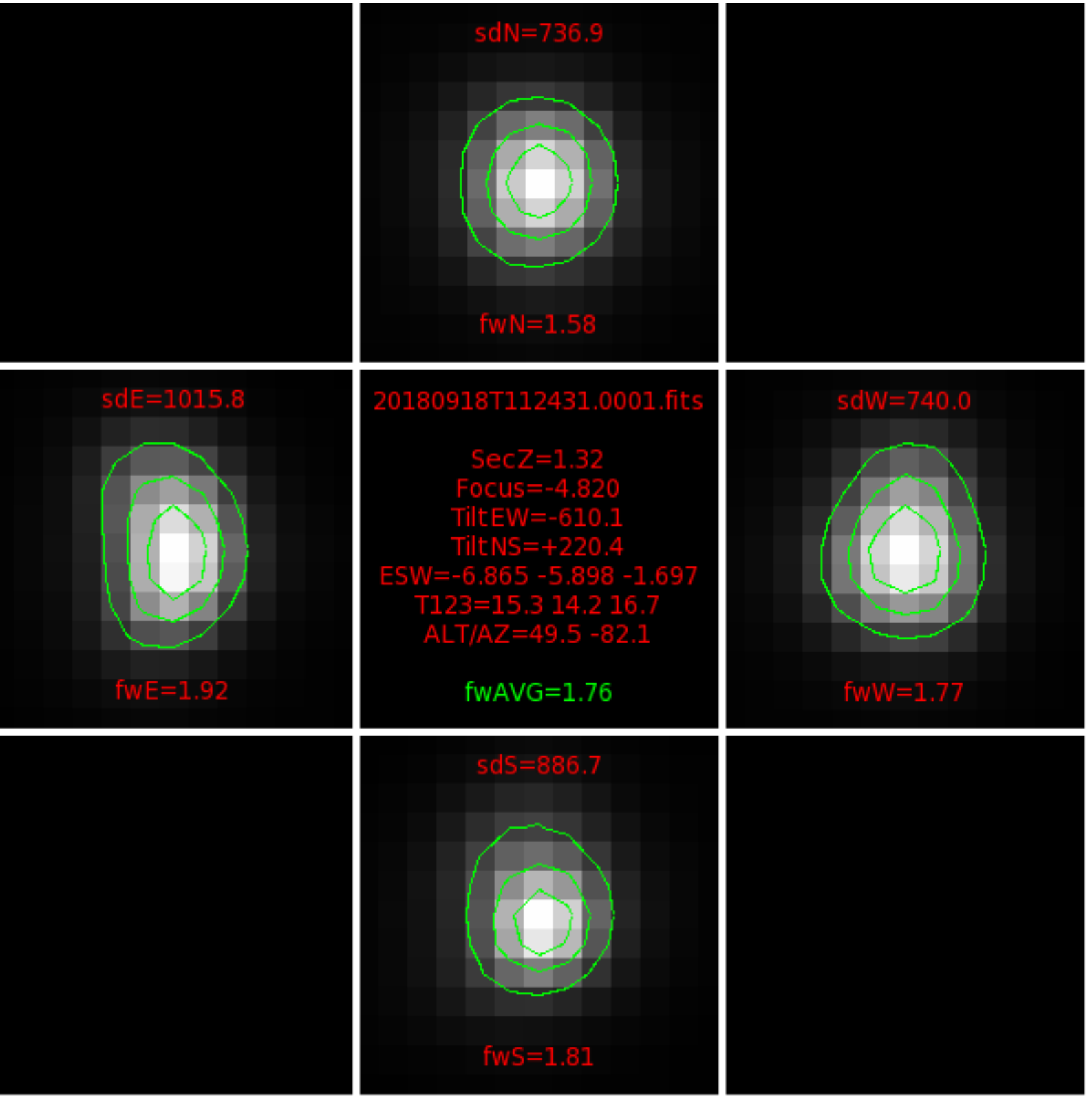
sdN=736.9
fwN=1.58
sdE=1015.8
fwE=1.92
20180918T112431.0001.fits
SecZ=1.32
Focus=-4.820
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.865 -5.898 -1.697
T123=15.3 14.2 16.7
ALT/AZ=49.5 -82.1
fwAVG=1.76
sdW=740.0
fwW=1.77
sdS=886.7
fwS=1.81
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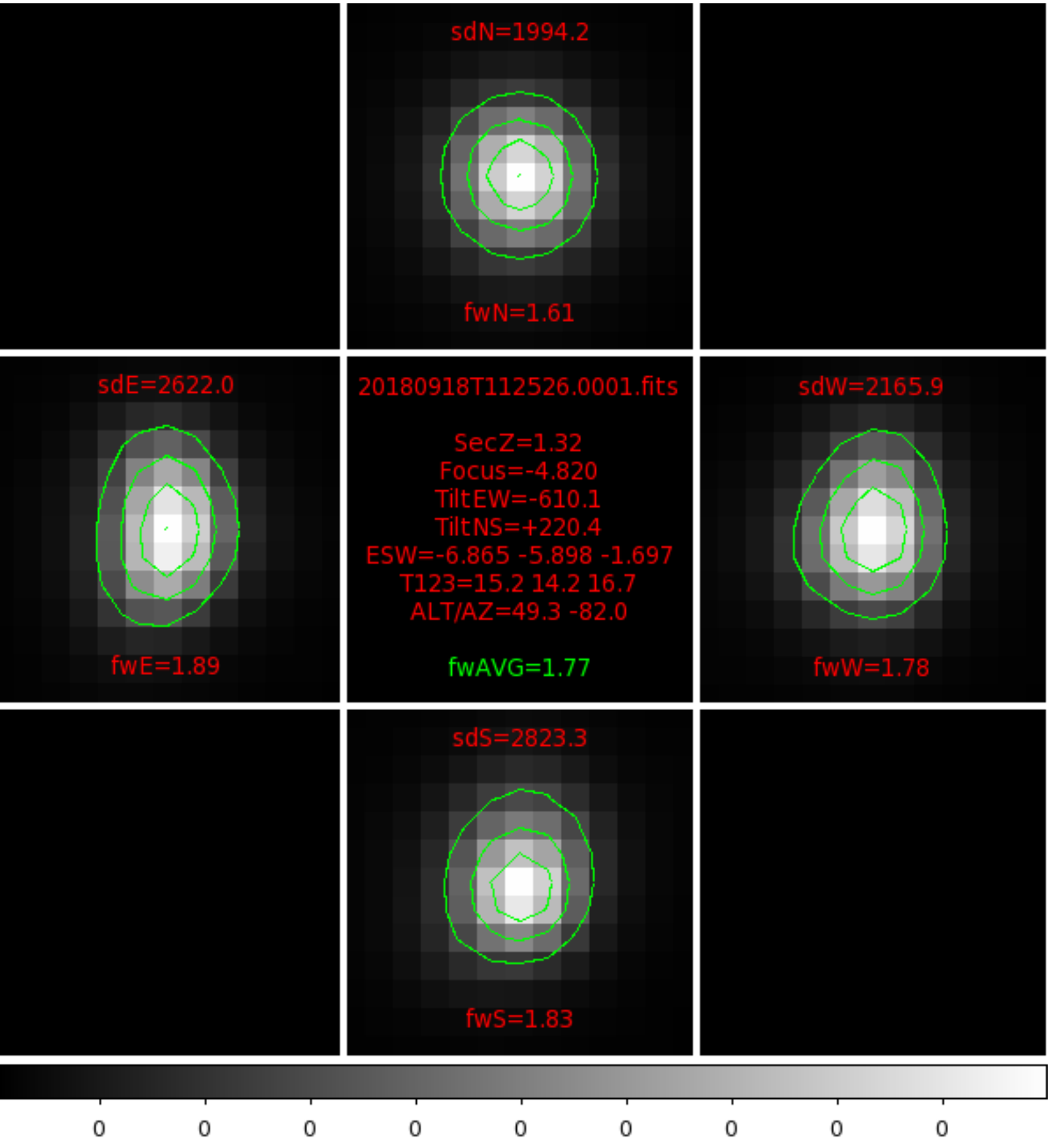
sdN=1994.2
fwN=1.61
sdE=2622.0
fwE=1.89
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SecZ=1.32
Focus=-4.820
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.865 -5.898 -1.697
T123=15.2 14.2 16.7
ALT/AZ=49.3 -82.0
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sdW=2165.9
fwW=1.78
sdS=2823.3
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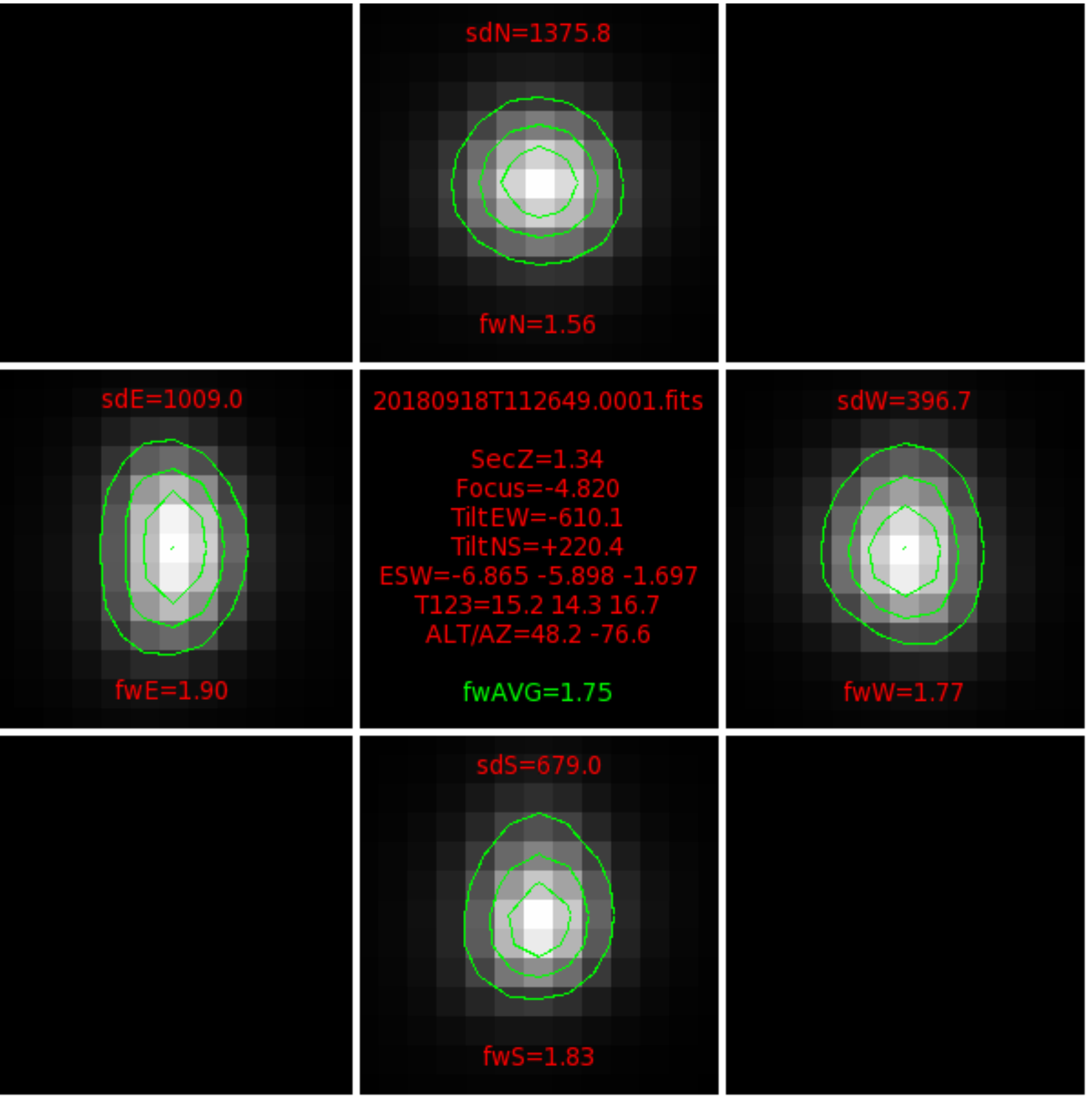
sdN=1375.8
fwN=1.56
sdE=1009.0
fwE=1.90
20180918T112649.0001.fits
SecZ=1.34
Focus=-4.820
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.865 -5.898 -1.697
T123=15.2 14.3 16.7
ALT/AZ=48.2 -76.6
fwAVG=1.75
sdW=396.7
fwW=1.77
sdS=679.0
fwS=1.83
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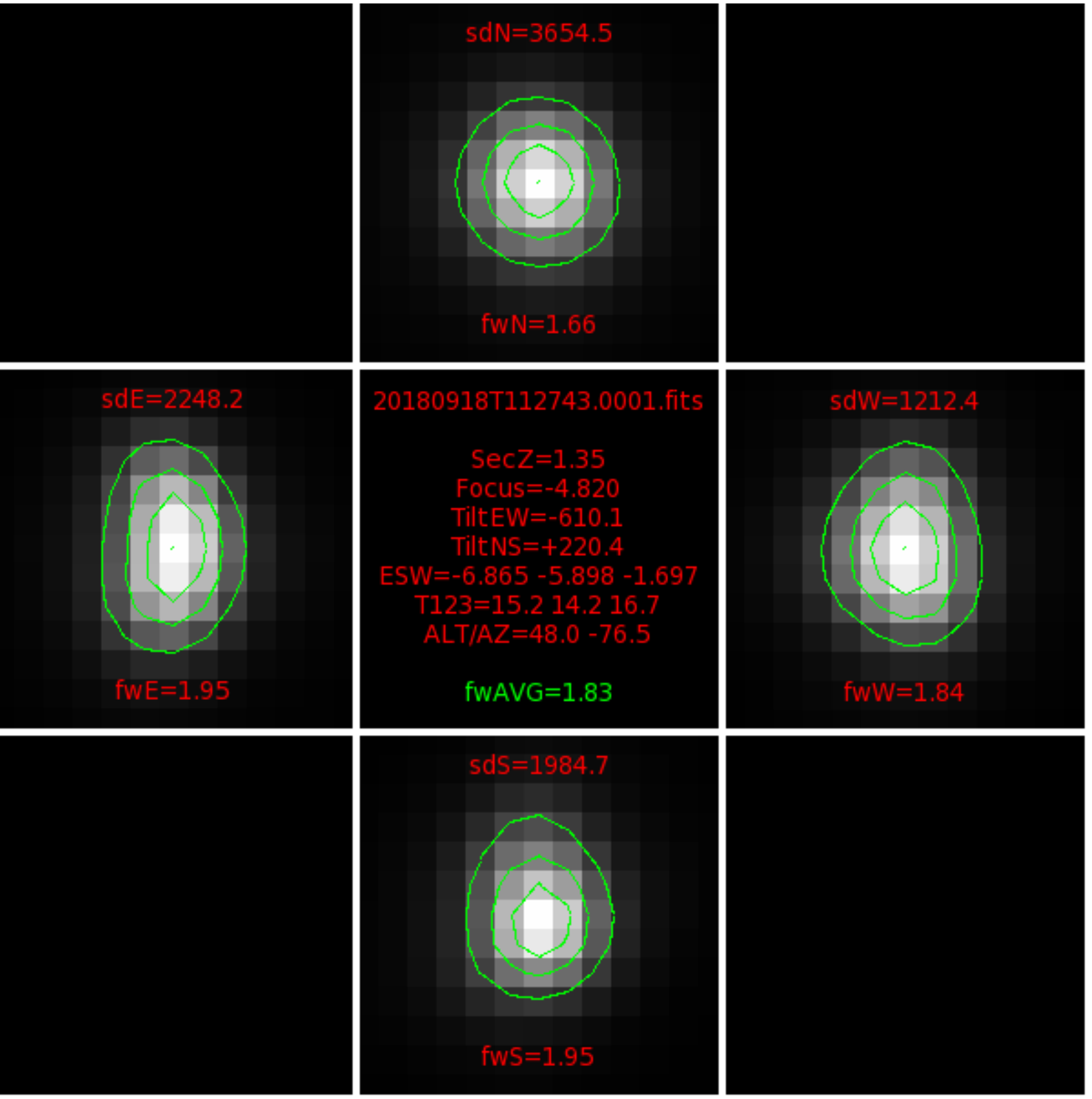
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fwN=1.66
sdE=2248.2
fwE=1.95
20180918T112743.0001.fits
SecZ=1.35
Focus=-4.820
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.865 -5.898 -1.697
T123=15.2 14.2 16.7
ALT/AZ=48.0 -76.5
fwAVG=1.83
sdW=1212.4
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sdS=1984.7
fwS=1.95
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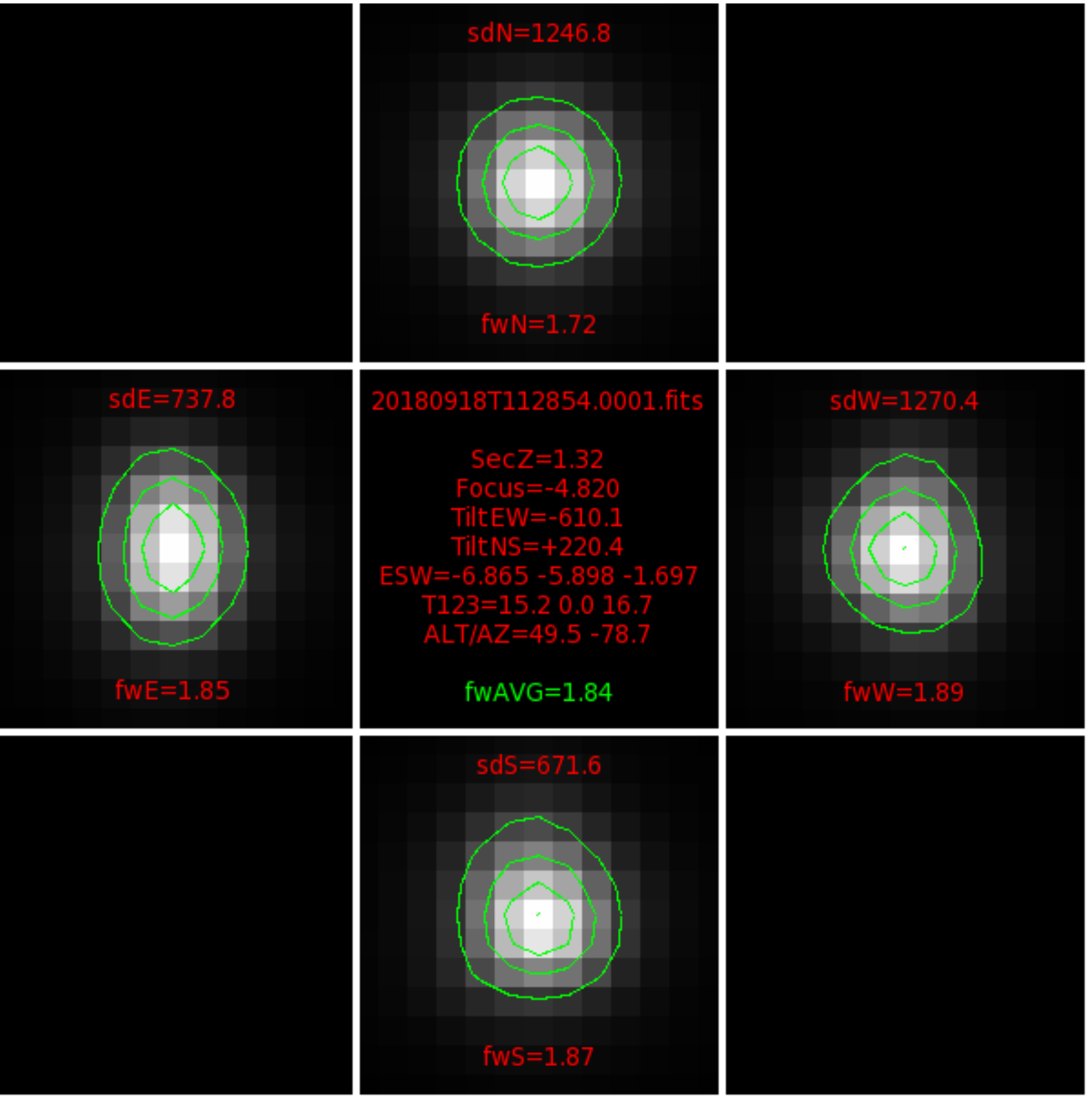
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fwN=1.72
sdE=737.8
fwE=1.85
20180918T112854.0001.fits
SecZ=1.32
Focus=-4.820
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.865 -5.898 -1.697
T123=15.2 0.0 16.7
ALT/AZ=49.5 -78.7
fwAVG=1.84
sdW=1270.4
fwW=1.89
sdS=671.6
fwS=1.87
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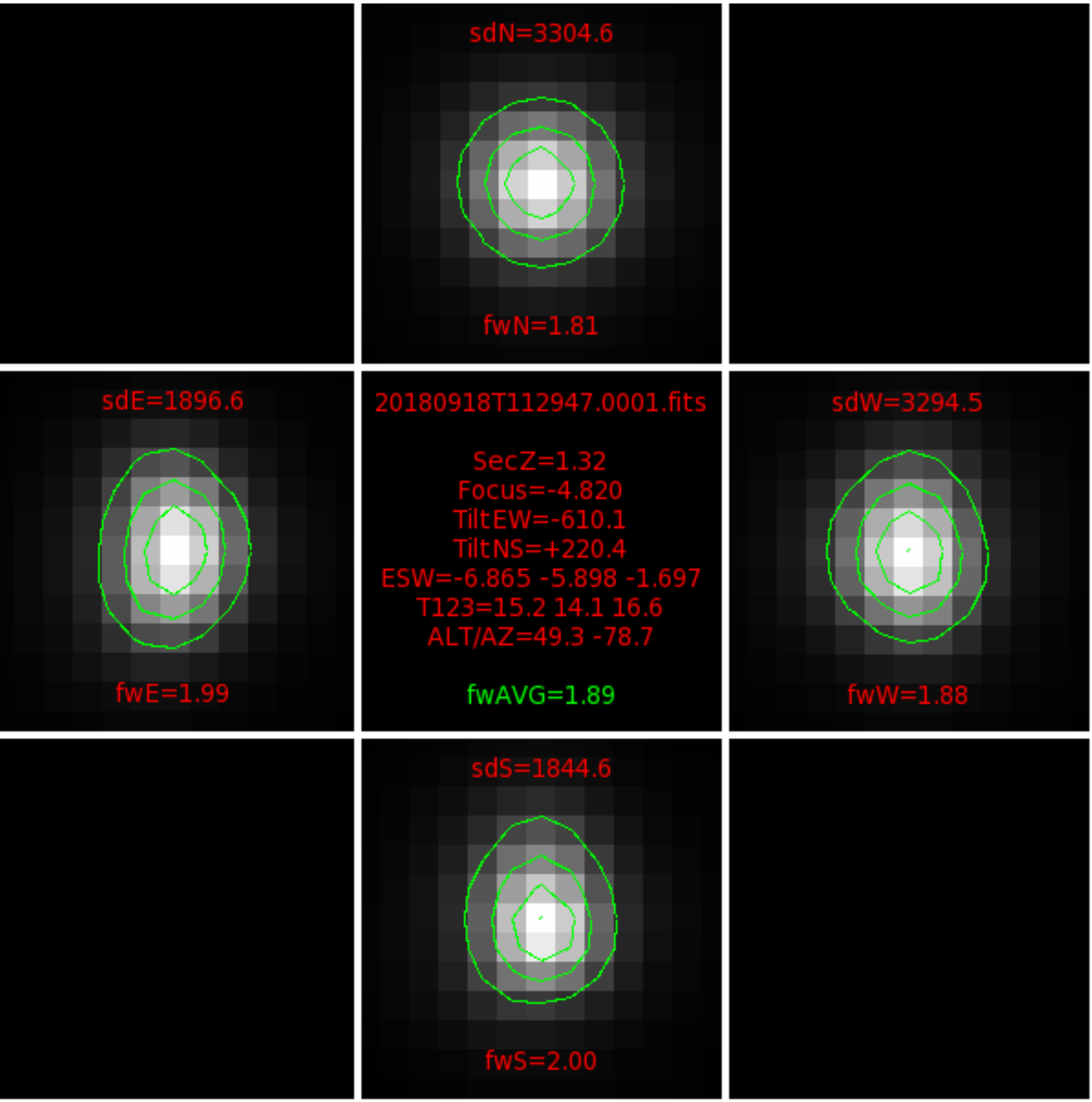
sdN=3304.6
fwN=1.81
sdE=1896.6
fwE=1.99
20180918T112947.0001.fits
SecZ=1.32
Focus=-4.820
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.865 -5.898 -1.697
T123=15.2 14.1 16.6
ALT/AZ=49.3 -78.7
fwAVG=1.89
sdW=3294.5
fwW=1.88
sdS=1844.6
fwS=2.00
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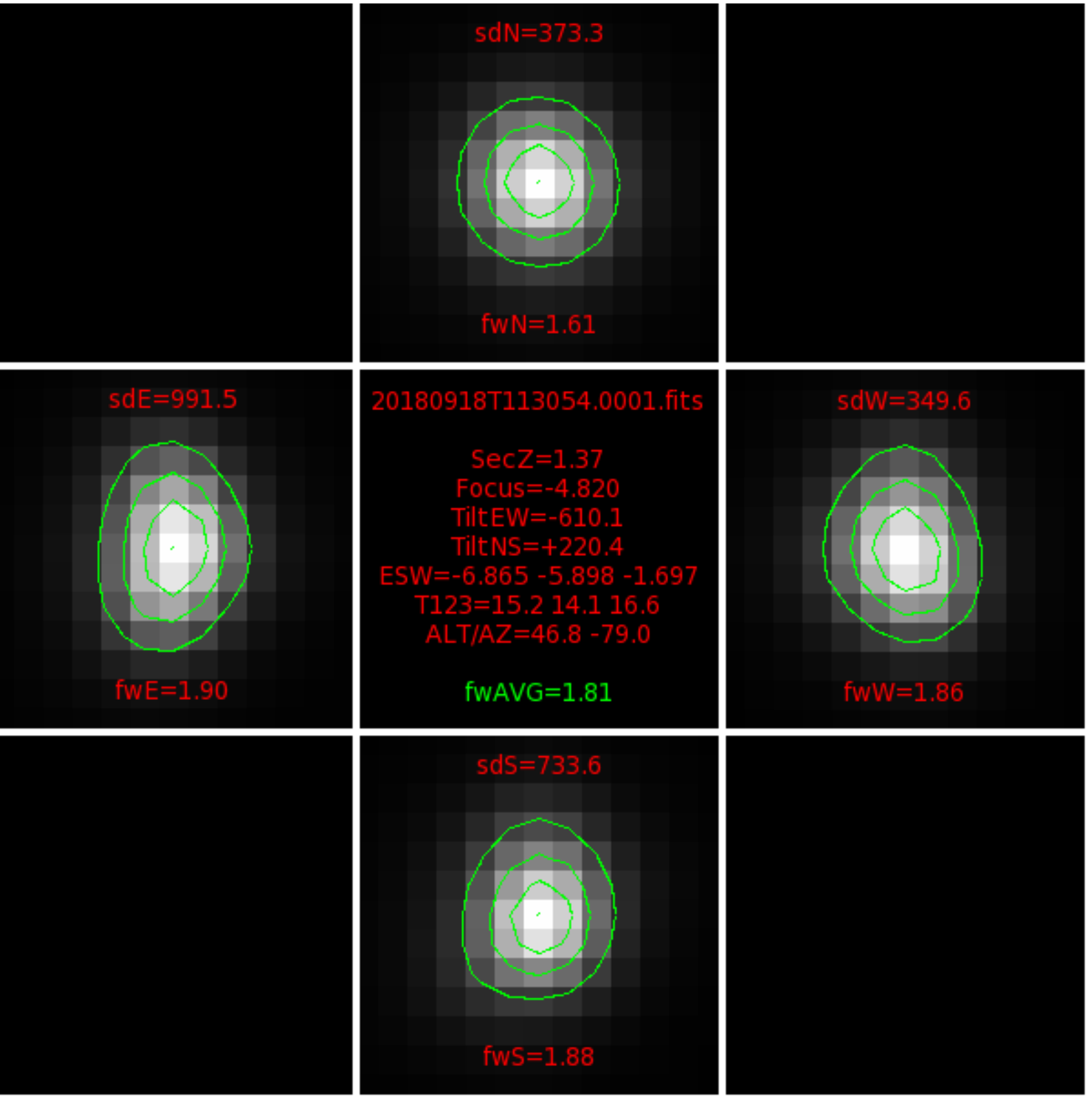
sdN=373.3
fwN=1.61
sdE=991.5
fwE=1.90
20180918T113054.0001.fits
SecZ=1.37
Focus=-4.820
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.865 -5.898 -1.697
T123=15.2 14.1 16.6
ALT/AZ=46.8 -79.0
fwAVG=1.81
sdW=349.6
fwW=1.86
sdS=733.6
fwS=1.88
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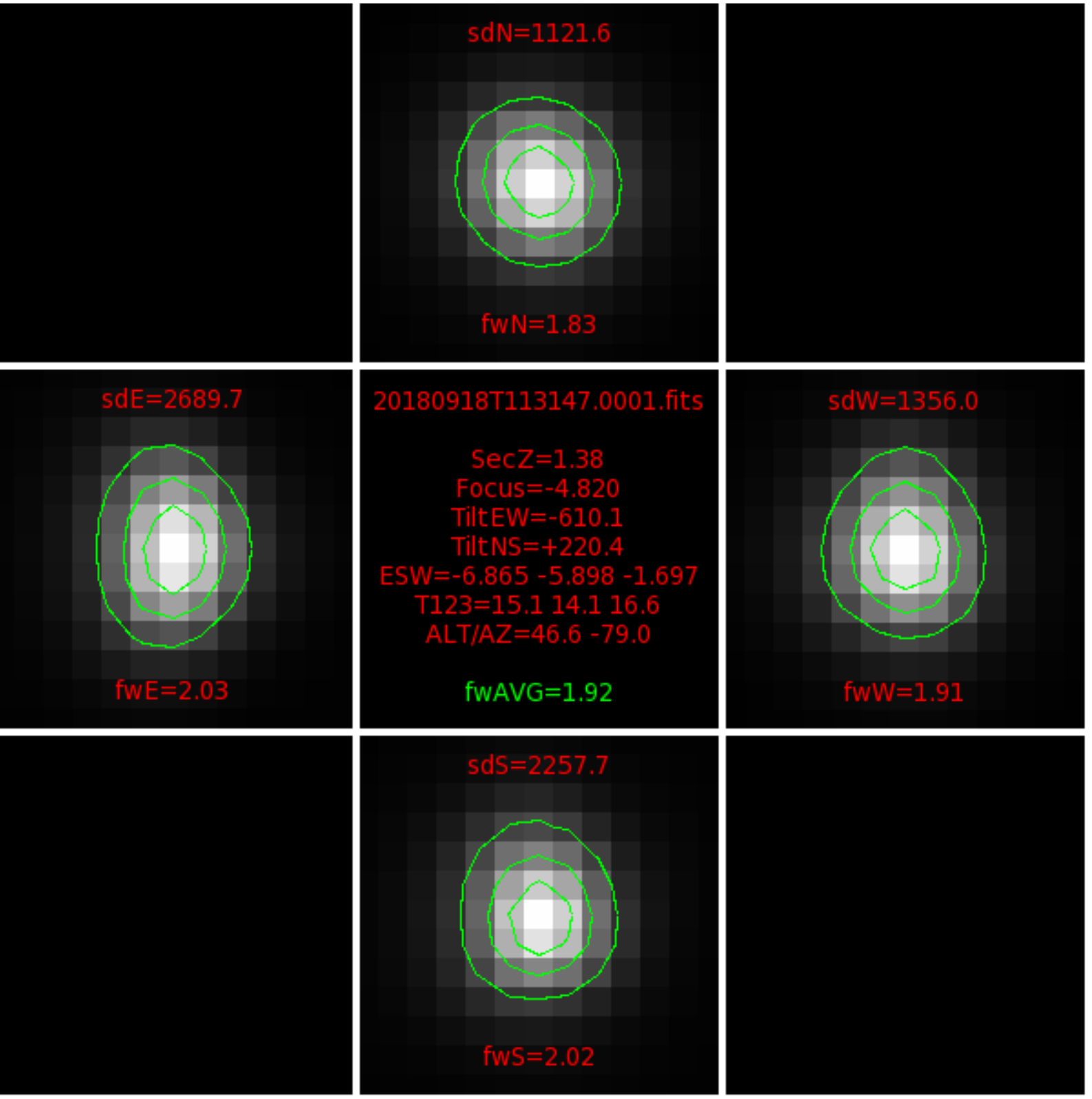
sdN=1121.6
fwN=1.83
sdE=2689.7
fwE=2.03
20180918T113147.0001.fits
SecZ=1.38
Focus=-4.820
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.865 -5.898 -1.697
T123=15.1 14.1 16.6
ALT/AZ=46.6 -79.0
fwAVG=1.92
sdW=1356.0
fwW=1.91
sdS=2257.7
fwS=2.02
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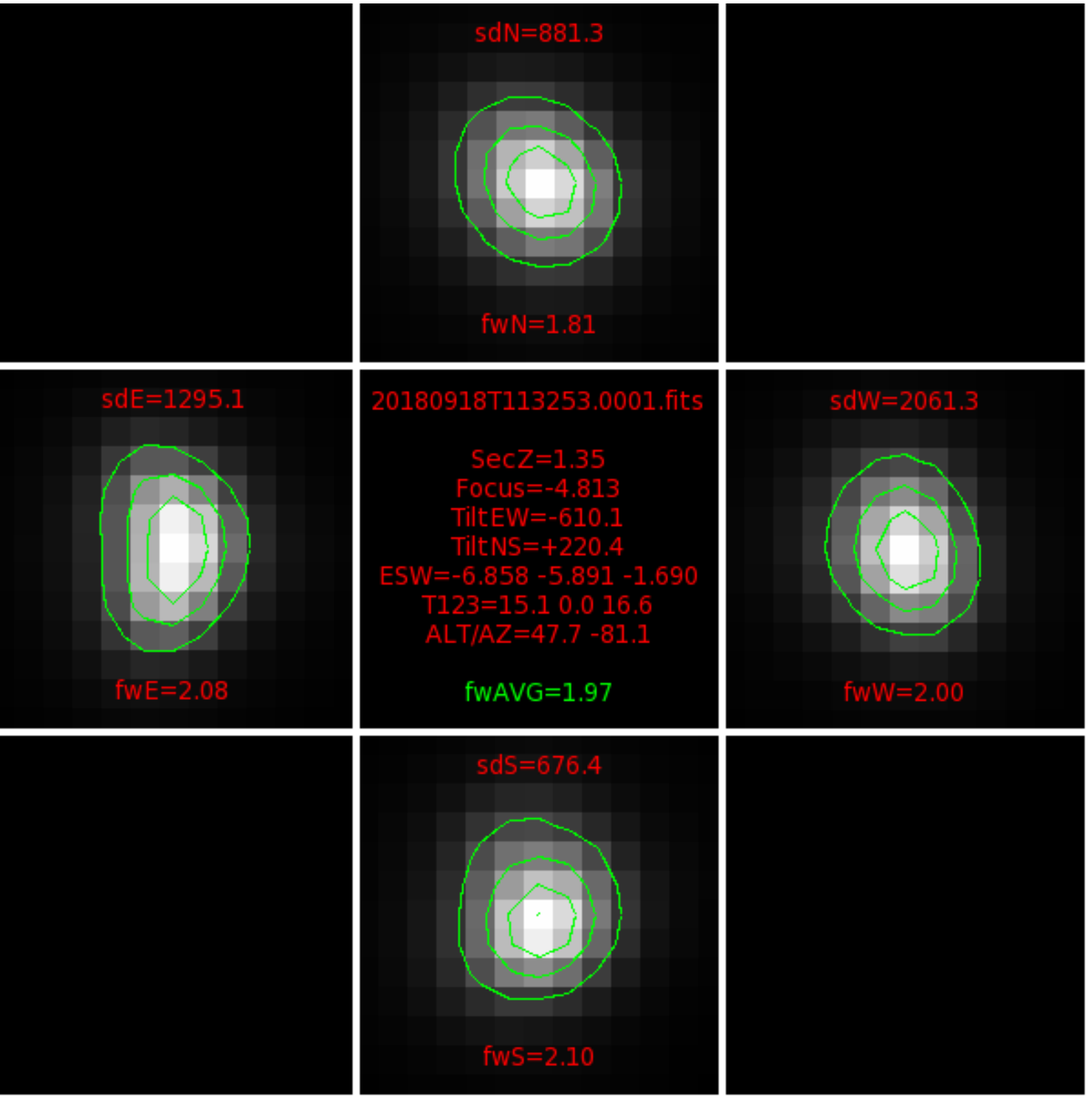
sdN=881.3
fwN=1.81
sdE=1295.1
fwE=2.08
20180918T113253.0001.fits
SecZ=1.35
Focus=-4.813
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.858 -5.891 -1.690
T123=15.1 0.0 16.6
ALT/AZ=47.7 -81.1
fwAVG=1.97
sdW=2061.3
fwW=2.00
sdS=676.4
fwS=2.10
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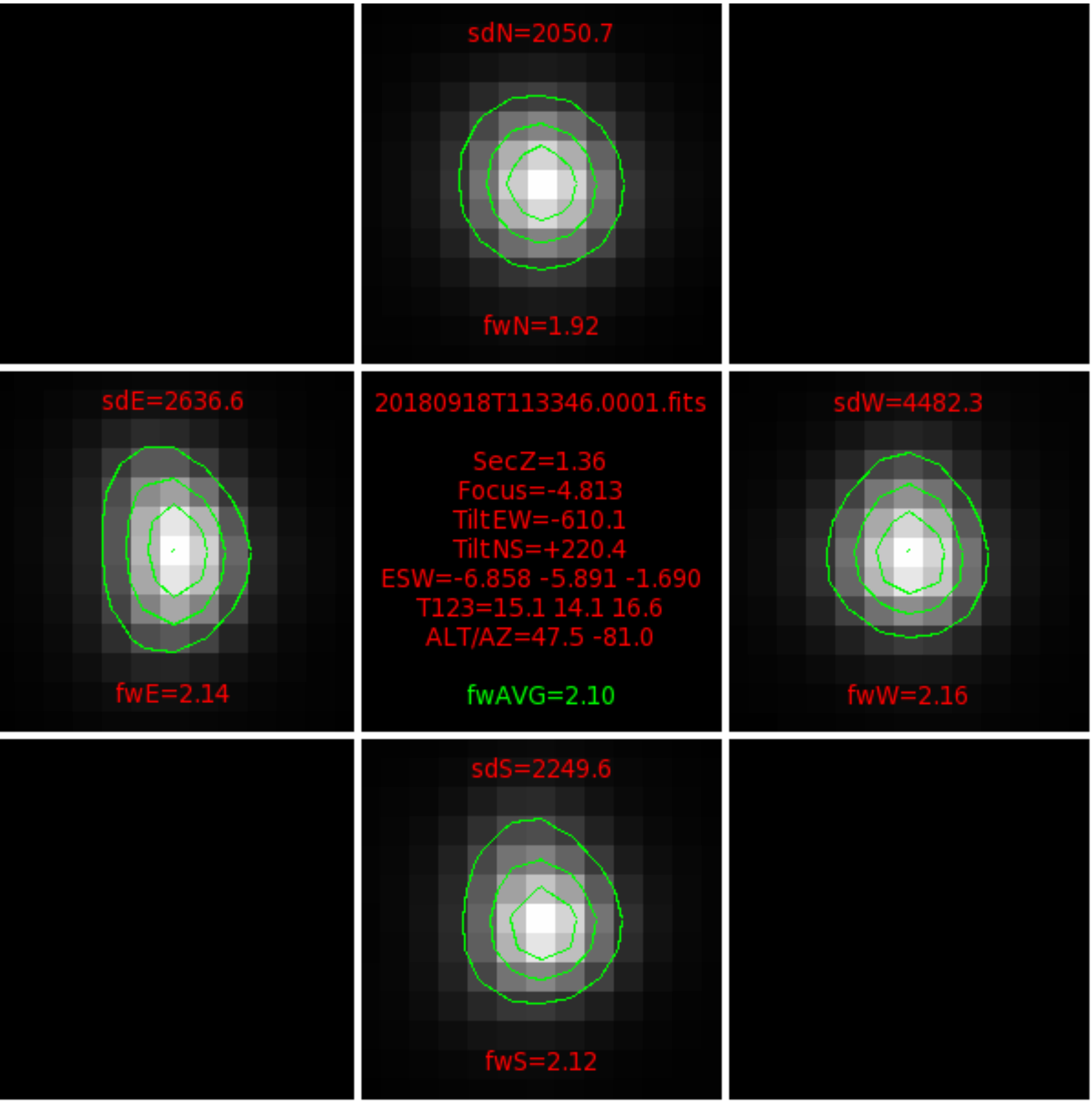
sdN=2050.7
fwN=1.92
sdE=2636.6
fwE=2.14
20180918T113346.0001.fits
SecZ=1.36
Focus=-4.813
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.858 -5.891 -1.690
T123=15.1 14.1 16.6
ALT/AZ=47.5 -81.0
fwAVG=2.10
sdW=4482.3
fwW=2.16
sdS=2249.6
fwS=2.12
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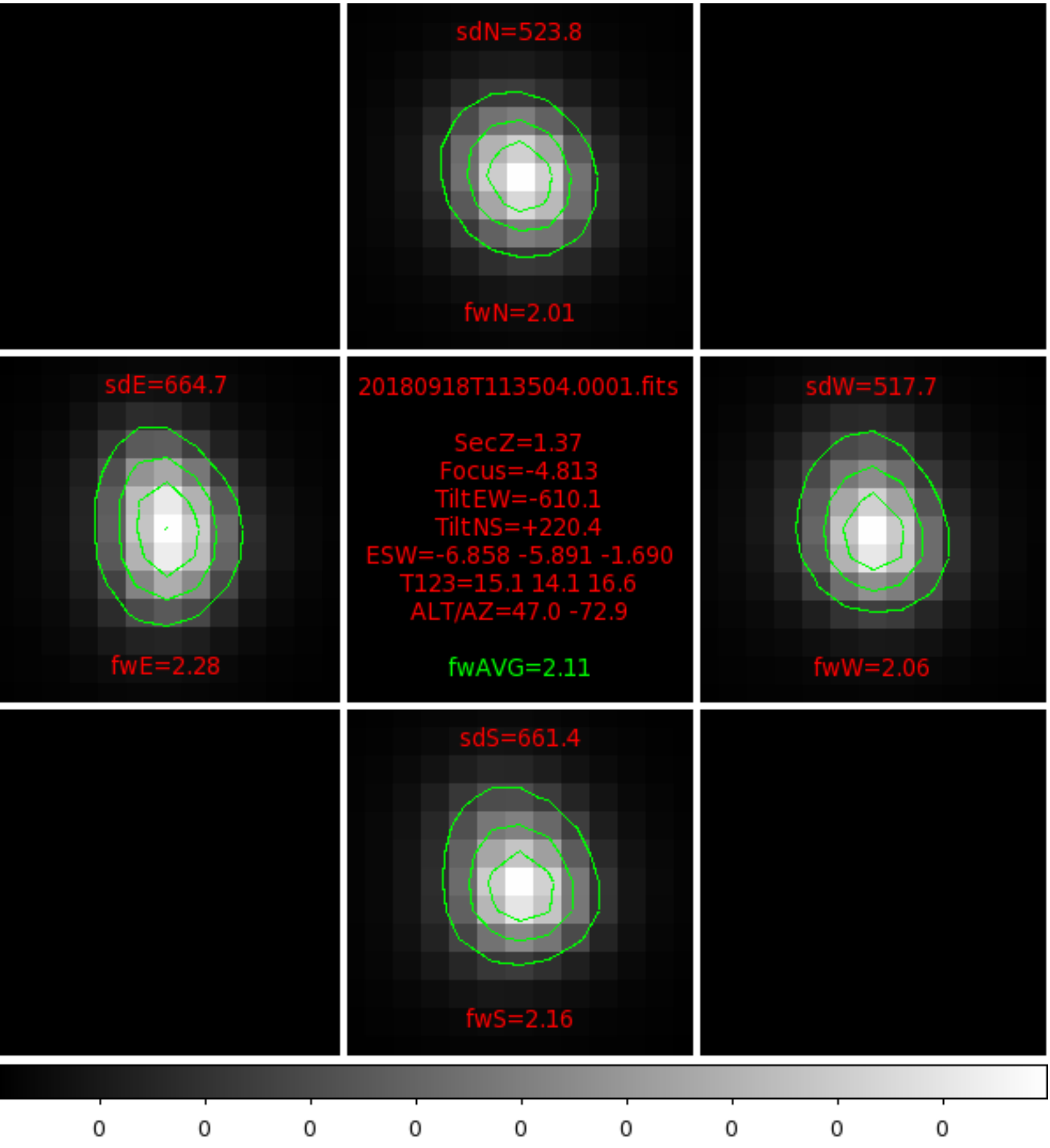
sdN=523.8
fwN=2.01
sdE=664.7
fwE=2.28
20180918T113504.0001.fits
SecZ=1.37
Focus=-4.813
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.858 -5.891 -1.690
T123=15.1 14.1 16.6
ALT/AZ=47.0 -72.9
fwAVG=2.11
sdW=517.7
fwW=2.06
sdS=661.4
fwS=2.16
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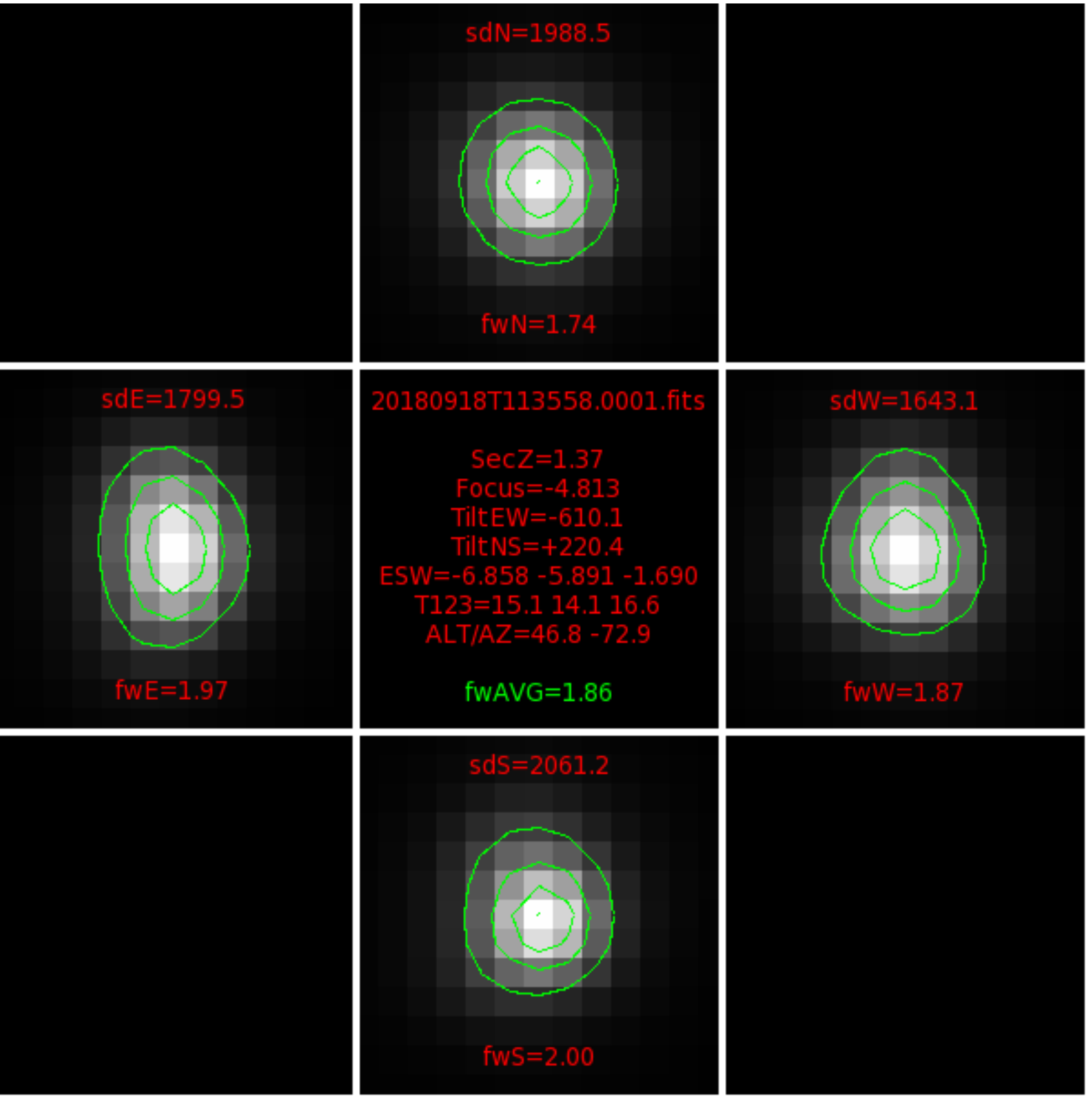
sdN=1988.5
fwN=1.74
sdE=1799.5
fwE=1.97
20180918T113558.0001.fits
SecZ=1.37
Focus=-4.813
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.858 -5.891 -1.690
T123=15.1 14.1 16.6
ALT/AZ=46.8 -72.9
fwAVG=1.86
sdW=1643.1
fwW=1.87
sdS=2061.2
fwS=2.00
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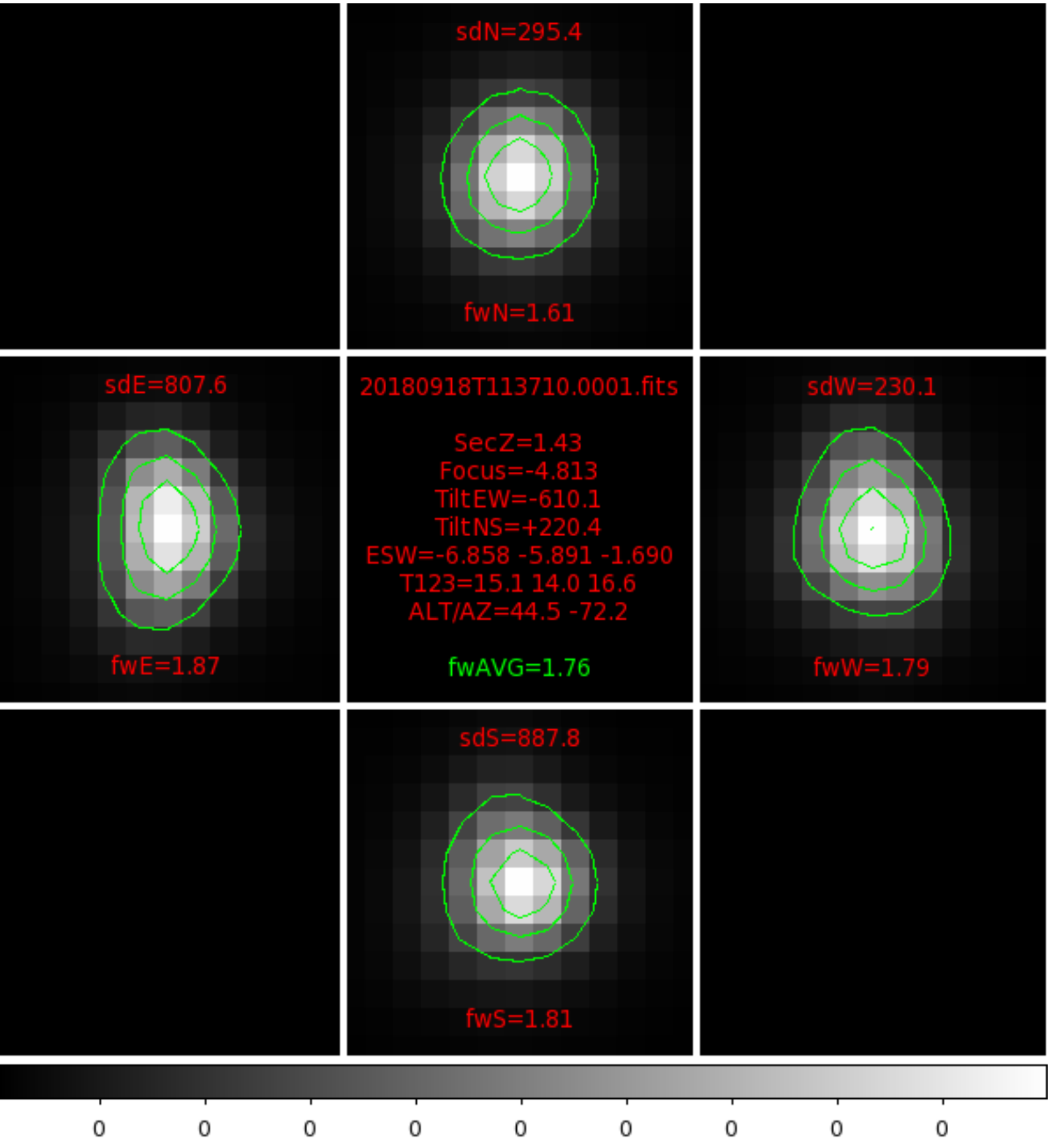
sdN=295.4
fwN=1.61
sdE=807.6
fwE=1.87
20180918T113710.0001.fits
SecZ=1.43
Focus=-4.813
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.858 -5.891 -1.690
T123=15.1 14.0 16.6
ALT/AZ=44.5 -72.2
fwAVG=1.76
sdW=230.1
fwW=1.79
sdS=887.8
fwS=1.81
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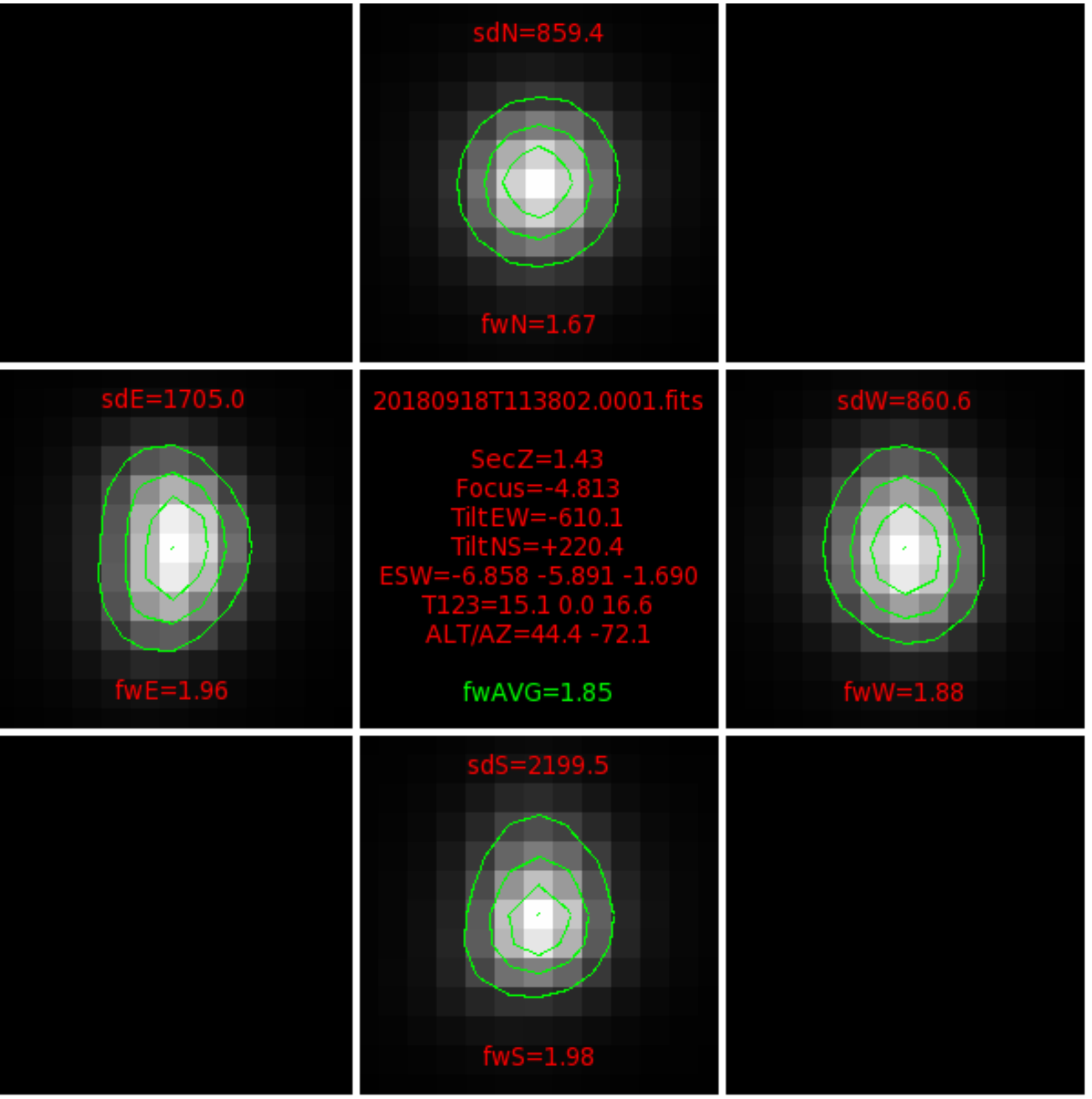
sdN=859.4
fwN=1.67
sdE=1705.0
fwE=1.96
20180918T113802.0001.fits
SecZ=1.43
Focus=-4.813
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.858 -5.891 -1.690
T123=15.1 0.0 16.6
ALT/AZ=44.4 -72.1
fwAVG=1.85
sdW=860.6
fwW=1.88
sdS=2199.5
fwS=1.98
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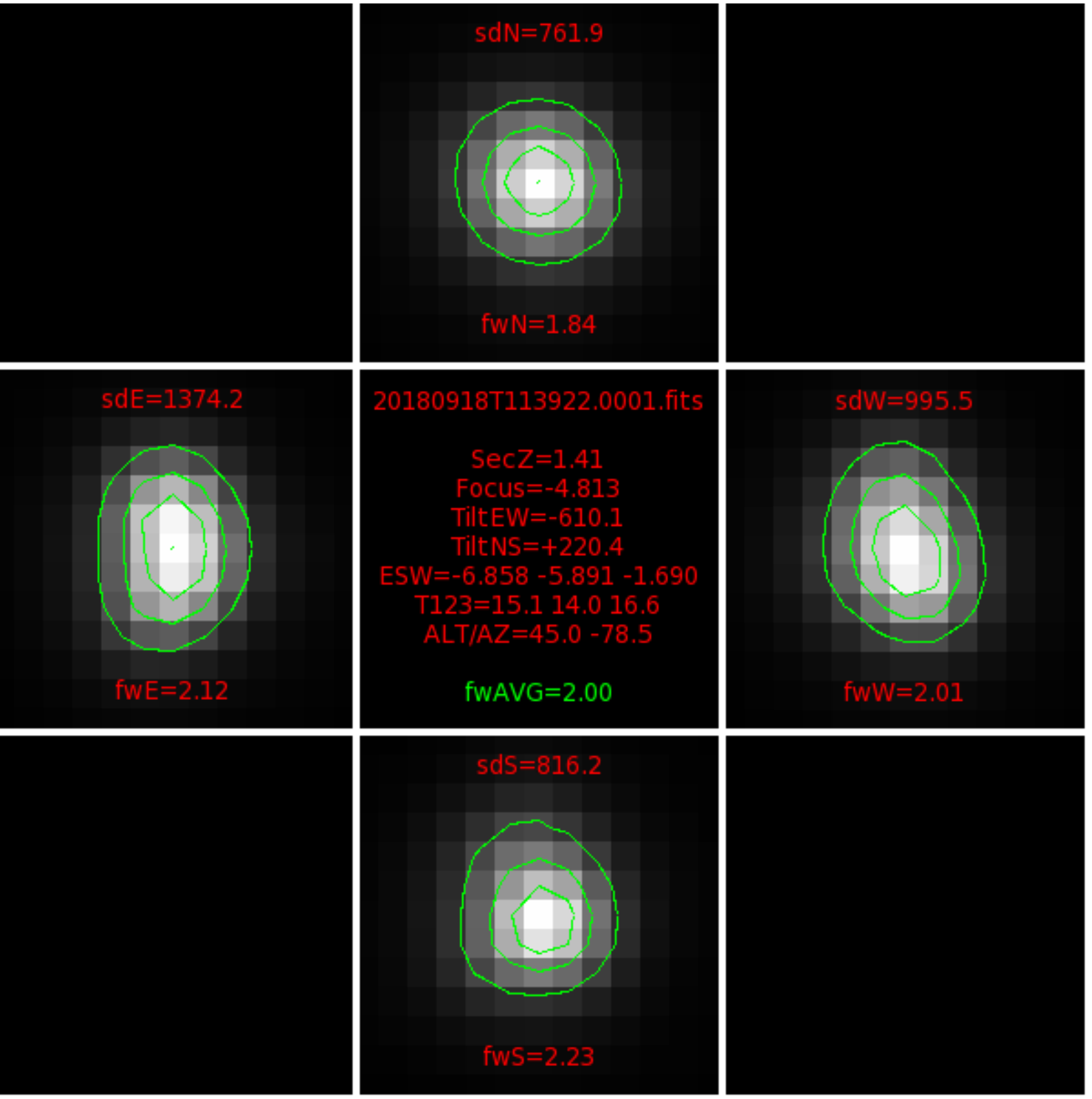
sdN=761.9
fwN=1.84
sdE=1374.2
fwE=2.12
20180918T113922.0001.fits
SecZ=1.41
Focus=-4.813
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.858 -5.891 -1.690
T123=15.1 14.0 16.6
ALT/AZ=45.0 -78.5
fwAVG=2.00
sdW=995.5
fwW=2.01
sdS=816.2
fwS=2.23
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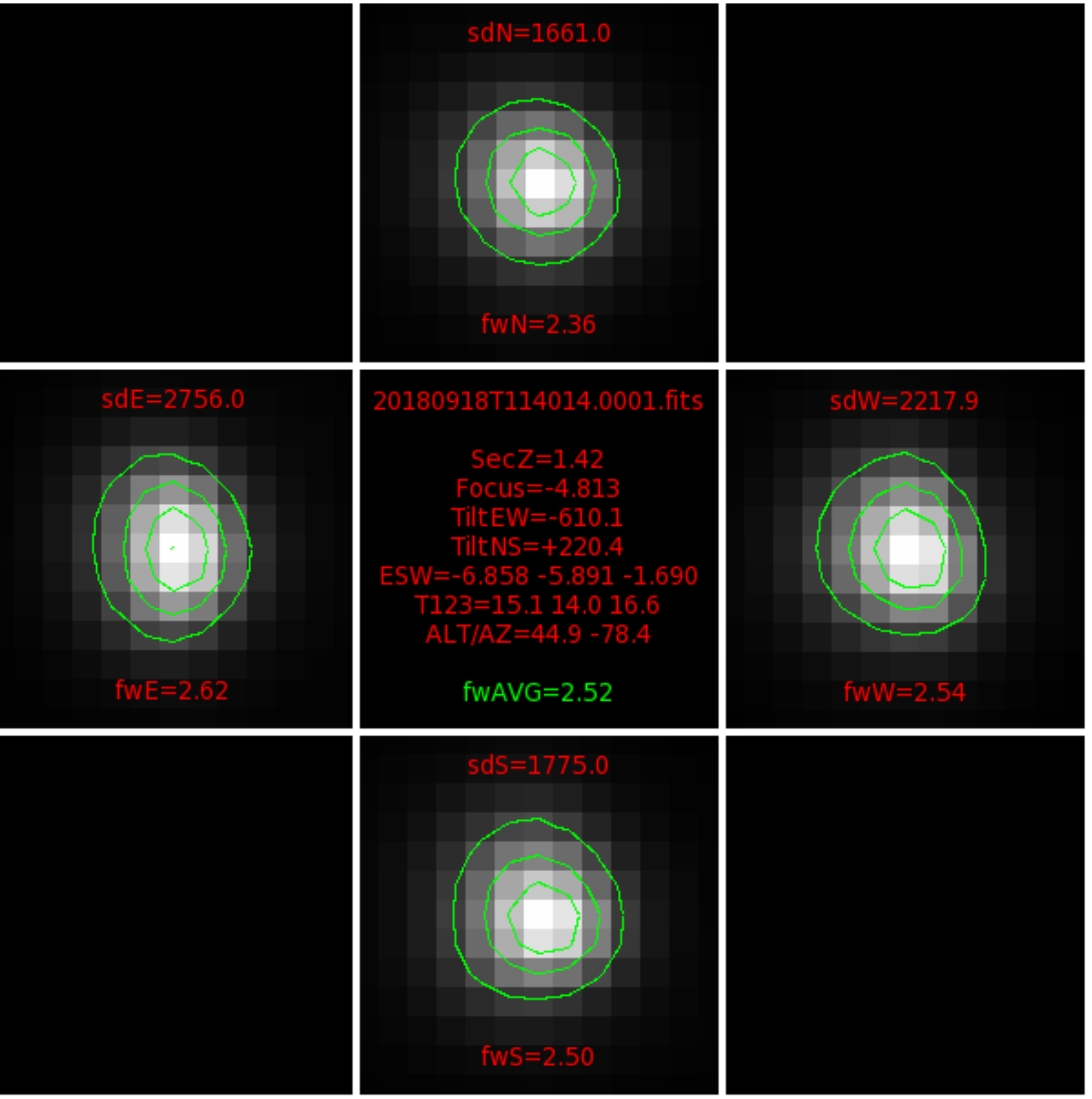
sdN=1661.0
fwN=2.36
sdE=2756.0
fwE=2.62
20180918T114014.0001.fits
SecZ=1.42
Focus=-4.813
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.858 -5.891 -1.690
T123=15.1 14.0 16.6
ALT/AZ=44.9 -78.4
fwAVG=2.52
sdW=2217.9
fwW=2.54
sdS=1775.0
fwS=2.50
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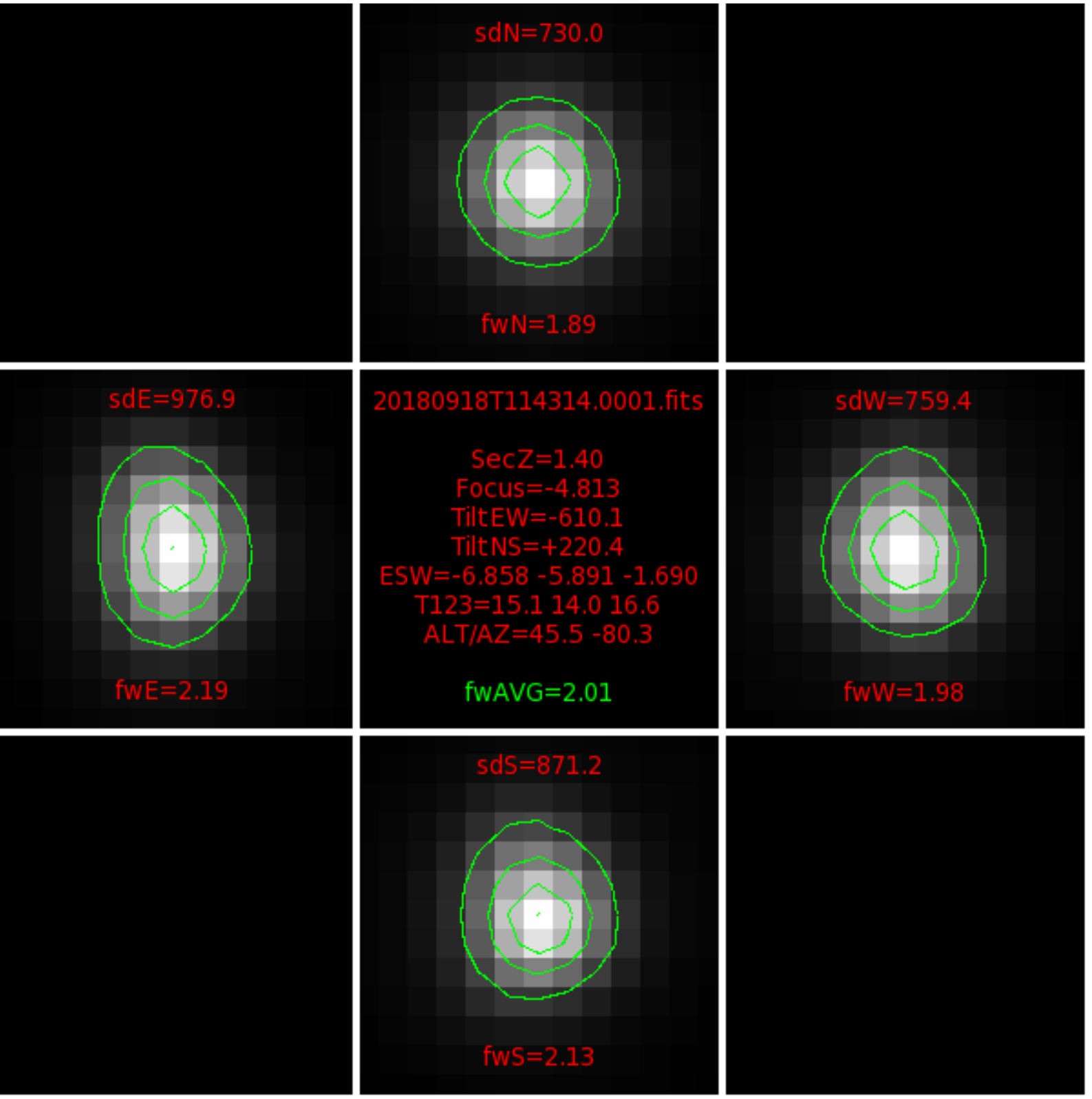
sdN=730.0
fwN=1.89
sdE=976.9
fwE=2.19
20180918T114314.0001.fits
SecZ=1.40
Focus=-4.813
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.858 -5.891 -1.690
T123=15.1 14.0 16.6
ALT/AZ=45.5 -80.3
fwAVG=2.01
sdW=759.4
fwW=1.98
sdS=871.2
fwS=2.13
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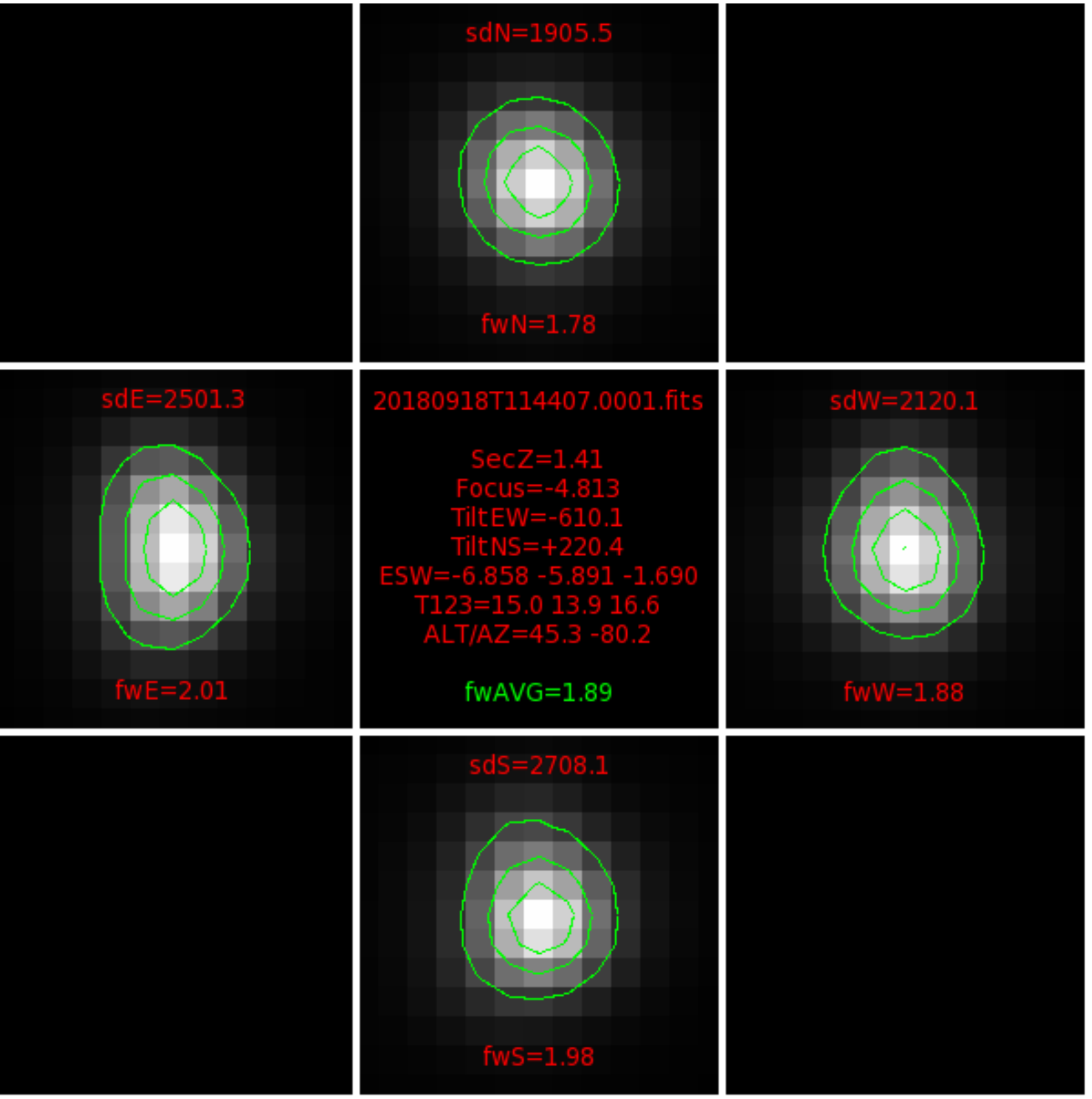
sdN=1905.5
fwN=1.78
sdE=2501.3
fwE=2.01
20180918T114407.0001.fits
SecZ=1.41
Focus=-4.813
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.858 -5.891 -1.690
T123=15.0 13.9 16.6
ALT/AZ=45.3 -80.2
fwAVG=1.89
sdW=2120.1
fwW=1.88
sdS=2708.1
fwS=1.98
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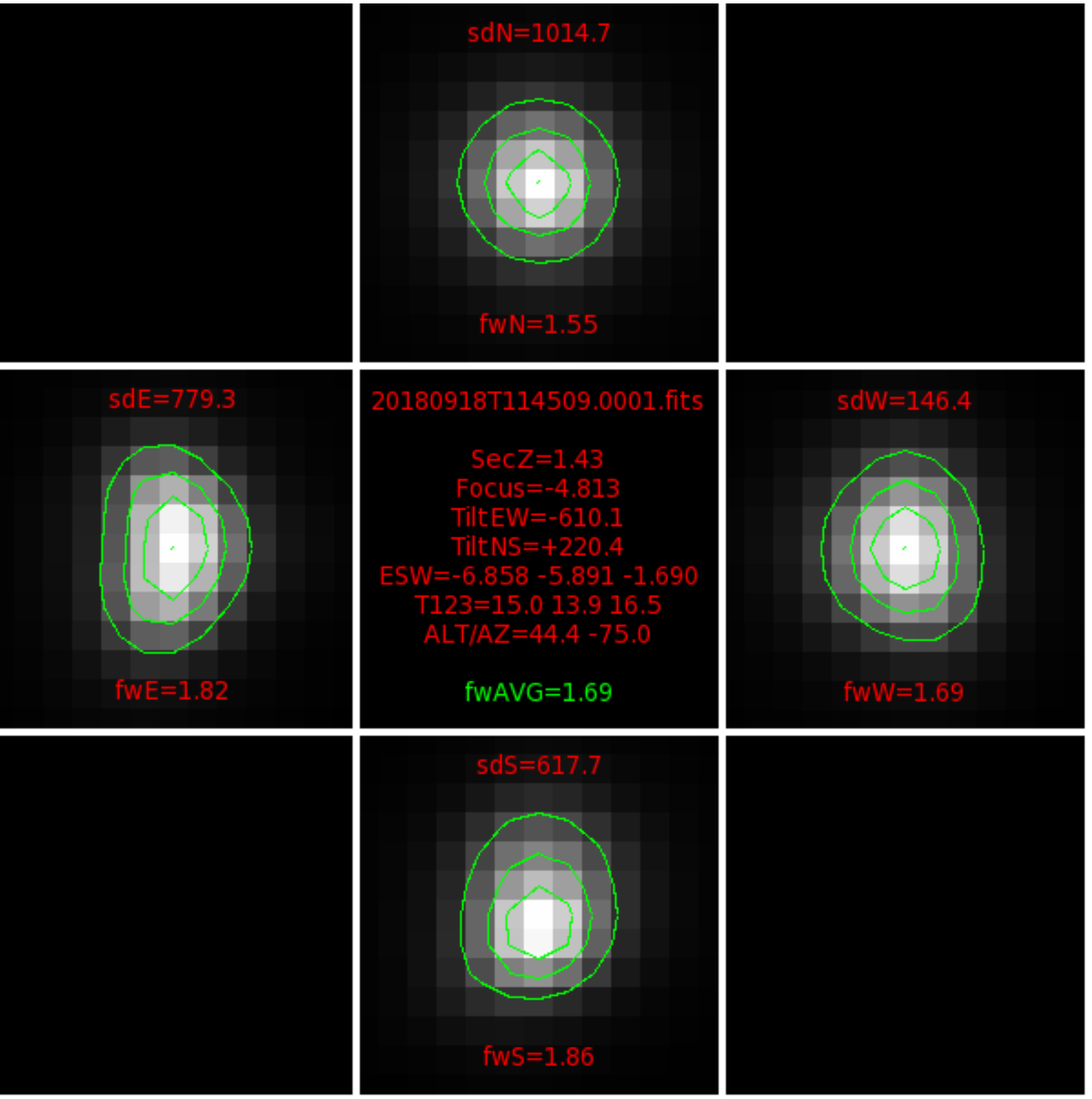
sdN=1014.7
fwN=1.55
sdE=779.3
fwE=1.82
20180918T114509.0001.fits
SecZ=1.43
Focus=-4.813
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.858 -5.891 -1.690
T123=15.0 13.9 16.5
ALT/AZ=44.4 -75.0
fwAVG=1.69
sdW=146.4
fwW=1.69
sdS=617.7
fwS=1.86
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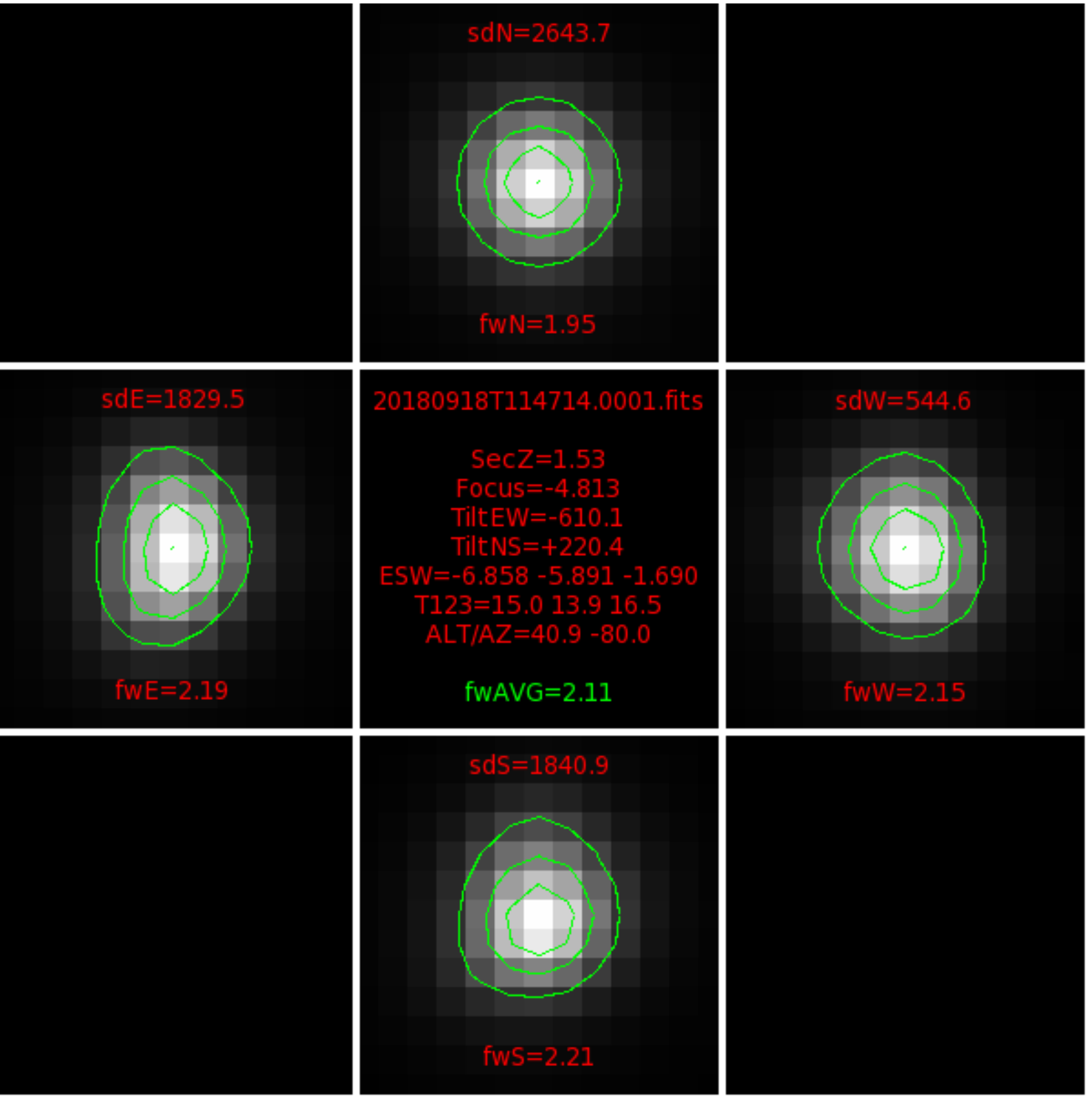
sdN=2643.7
fwN=1.95
sdE=1829.5
fwE=2.19
20180918T114714.0001.fits
SecZ=1.53
Focus=-4.813
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.858 -5.891 -1.690
T123=15.0 13.9 16.5
ALT/AZ=40.9 -80.0
fwAVG=2.11
sdW=544.6
fwW=2.15
sdS=1840.9
fwS=2.21
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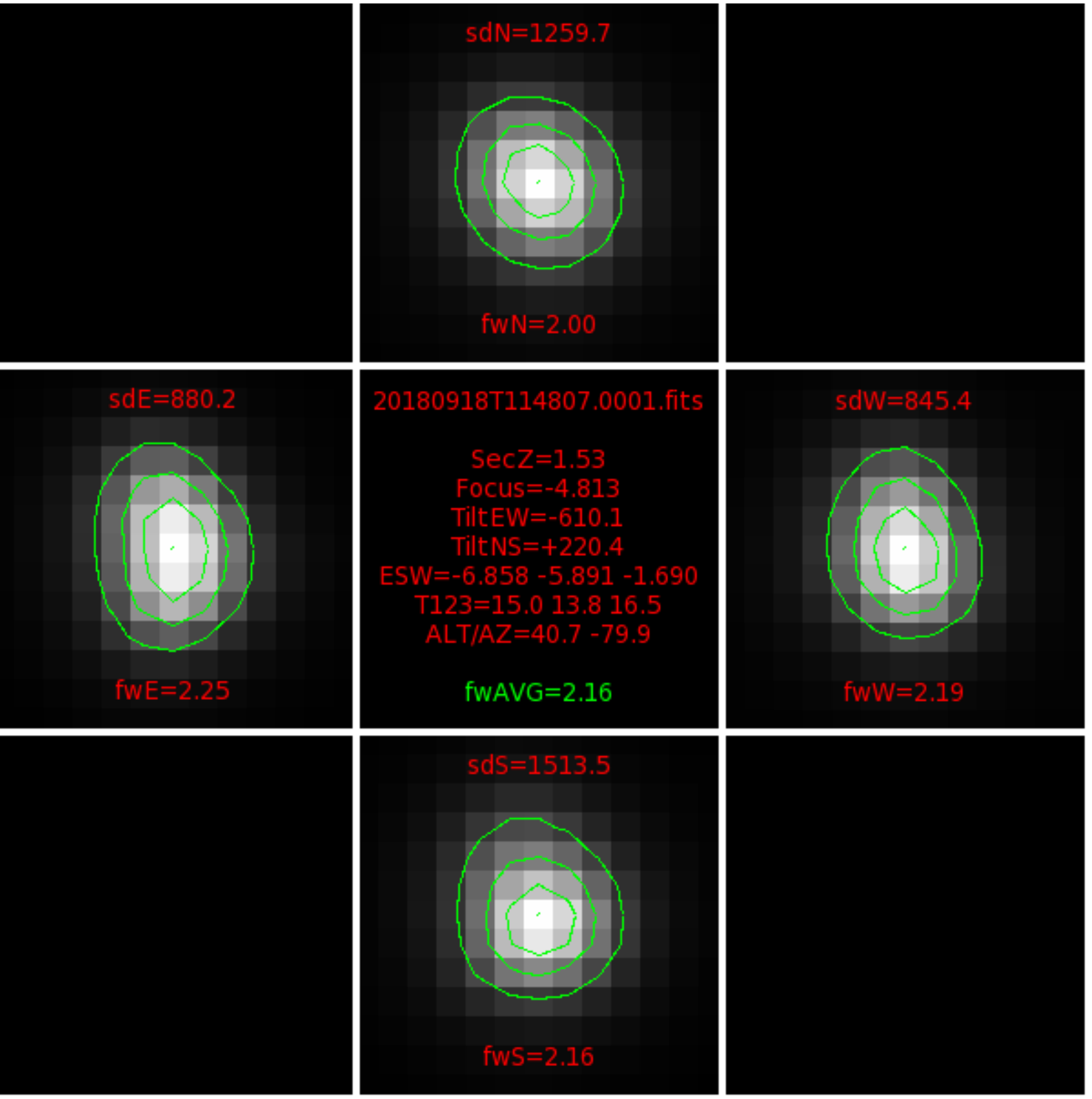
sdN=1259.7
fwN=2.00
sdE=880.2
fwE=2.25
20180918T114807.0001.fits
SecZ=1.53
Focus=-4.813
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.858 -5.891 -1.690
T123=15.0 13.8 16.5
ALT/AZ=40.7 -79.9
fwAVG=2.16
sdW=845.4
fwW=2.19
sdS=1513.5
fwS=2.16
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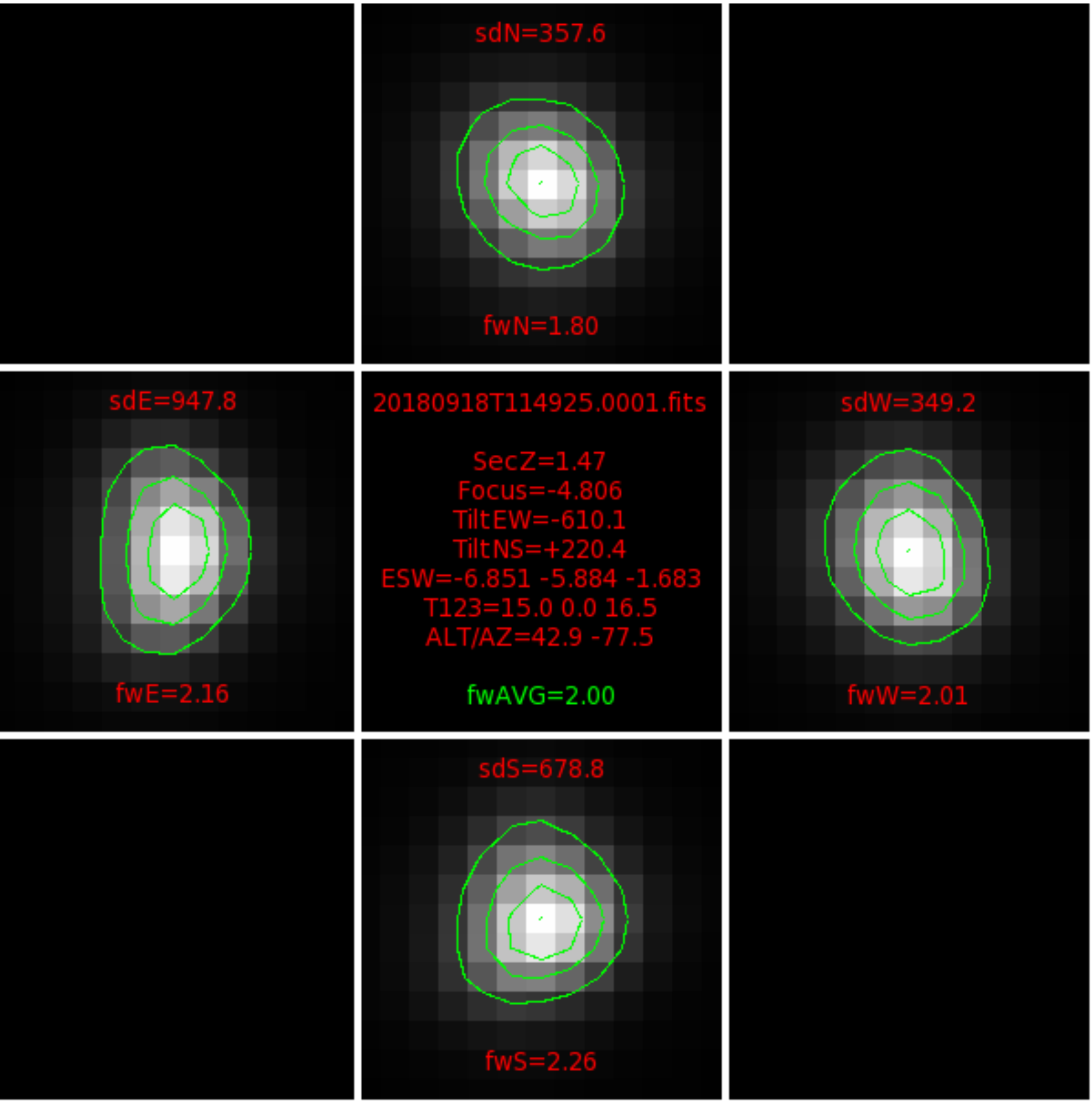
sdN=357.6
fwN=1.80
sdE=947.8
fwE=2.16
20180918T114925.0001.fits
SecZ=1.47
Focus=-4.806
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.851 -5.884 -1.683
T123=15.0 0.0 16.5
ALT/AZ=42.9 -77.5
fwAVG=2.00
sdW=349.2
fwW=2.01
sdS=678.8
fwS=2.26
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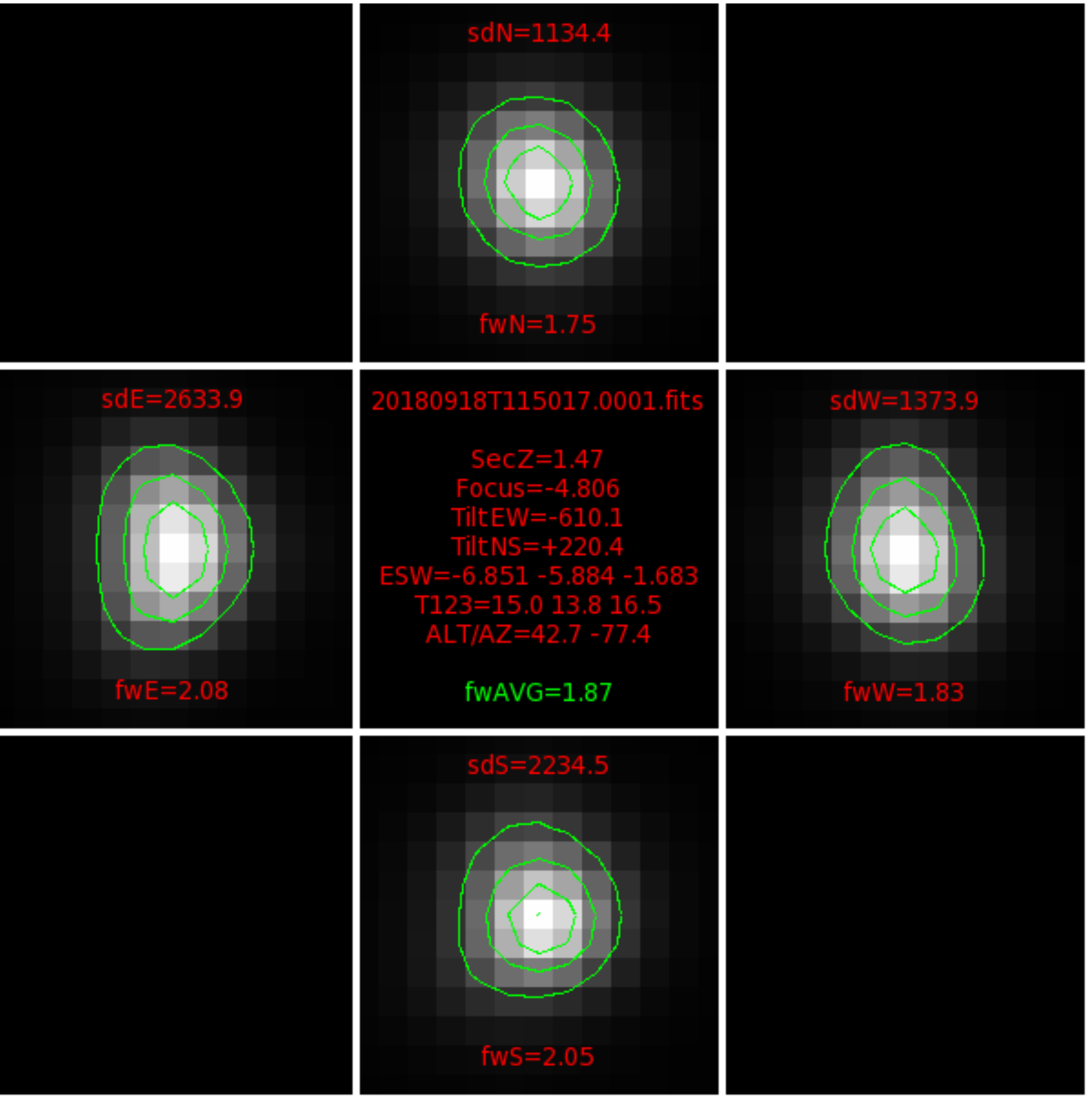
sdN=1134.4
fwN=1.75
sdE=2633.9
fwE=2.08
20180918T115017.0001.fits
SecZ=1.47
Focus=-4.806
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.851 -5.884 -1.683
T123=15.0 13.8 16.5
ALT/AZ=42.7 -77.4
fwAVG=1.87
sdW=1373.9
fwW=1.83
sdS=2234.5
fwS=2.05
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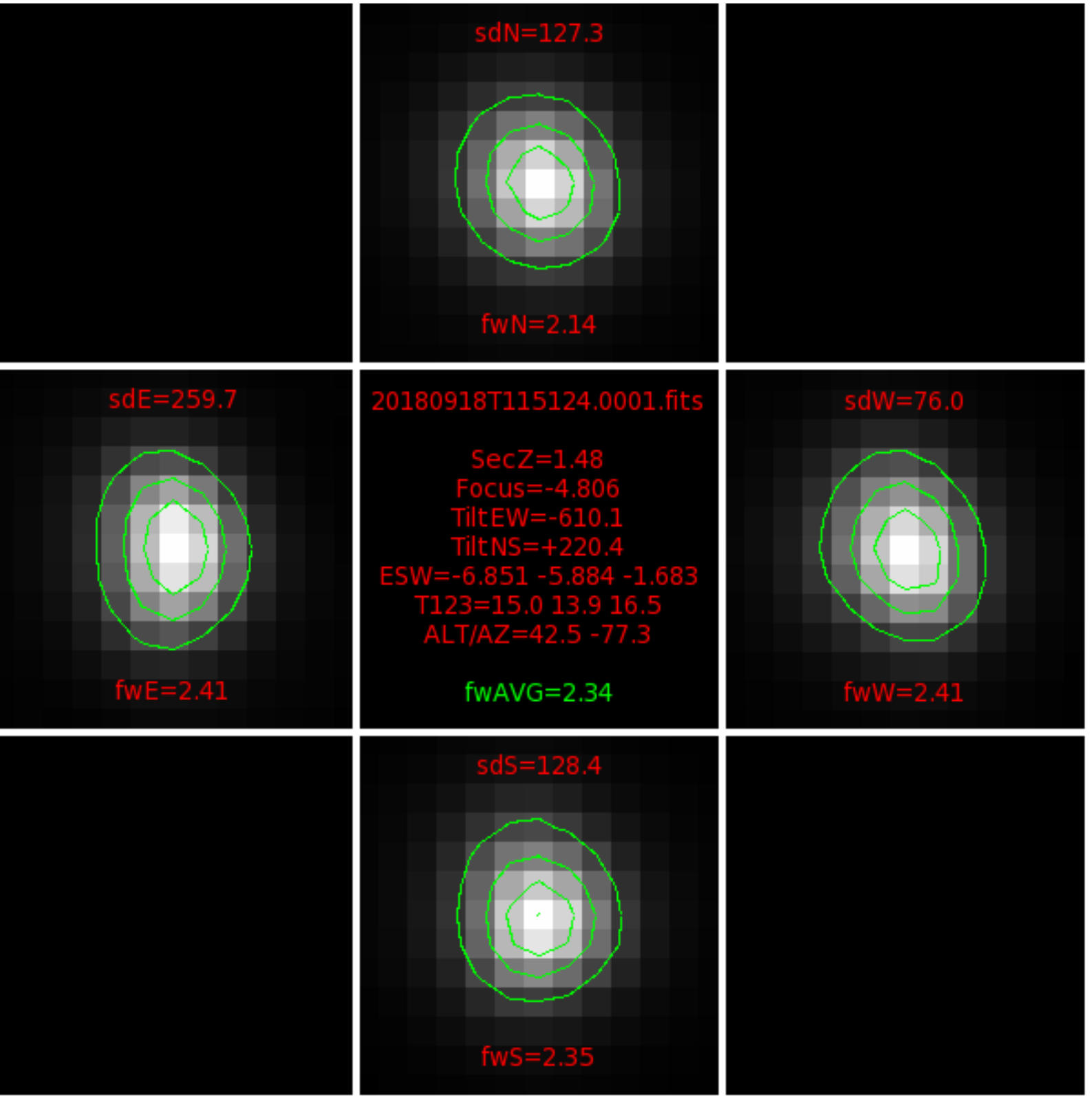
sdN=127.3
fwN=2.14
sdE=259.7
fwE=2.41
20180918T115124.0001.fits
SecZ=1.48
Focus=-4.806
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.851 -5.884 -1.683
T123=15.0 13.9 16.5
ALT/AZ=42.5 -77.3
fwAVG=2.34
sdW=76.0
fwW=2.41
sdS=128.4
fwS=2.35
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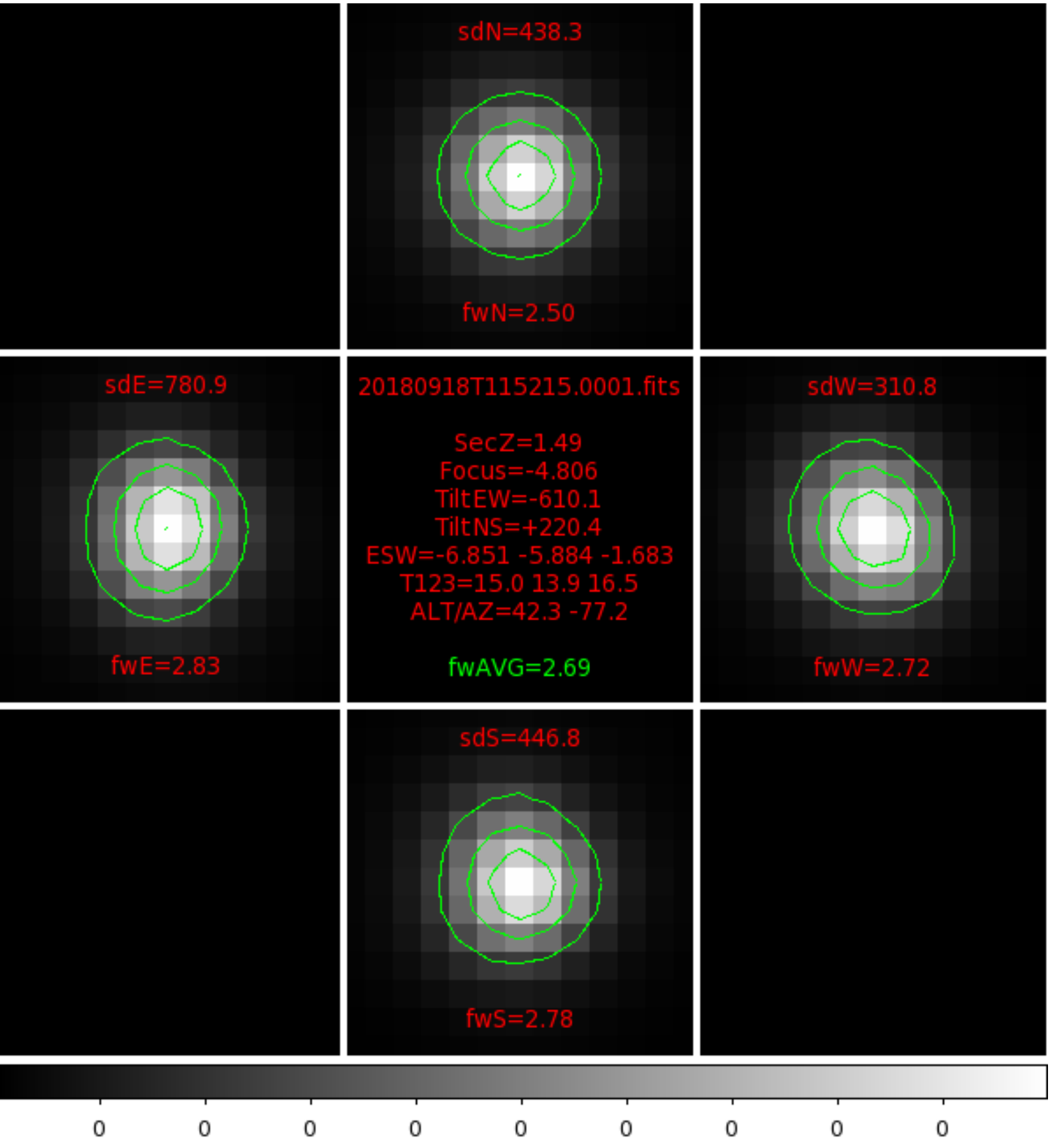
sdN=438.3
fwN=2.50
sdE=780.9
fwE=2.83
20180918T115215.0001.fits
SecZ=1.49
Focus=-4.806
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.851 -5.884 -1.683
T123=15.0 13.9 16.5
ALT/AZ=42.3 -77.2
fwAVG=2.69
sdW=310.8
fwW=2.72
sdS=446.8
fwS=2.78
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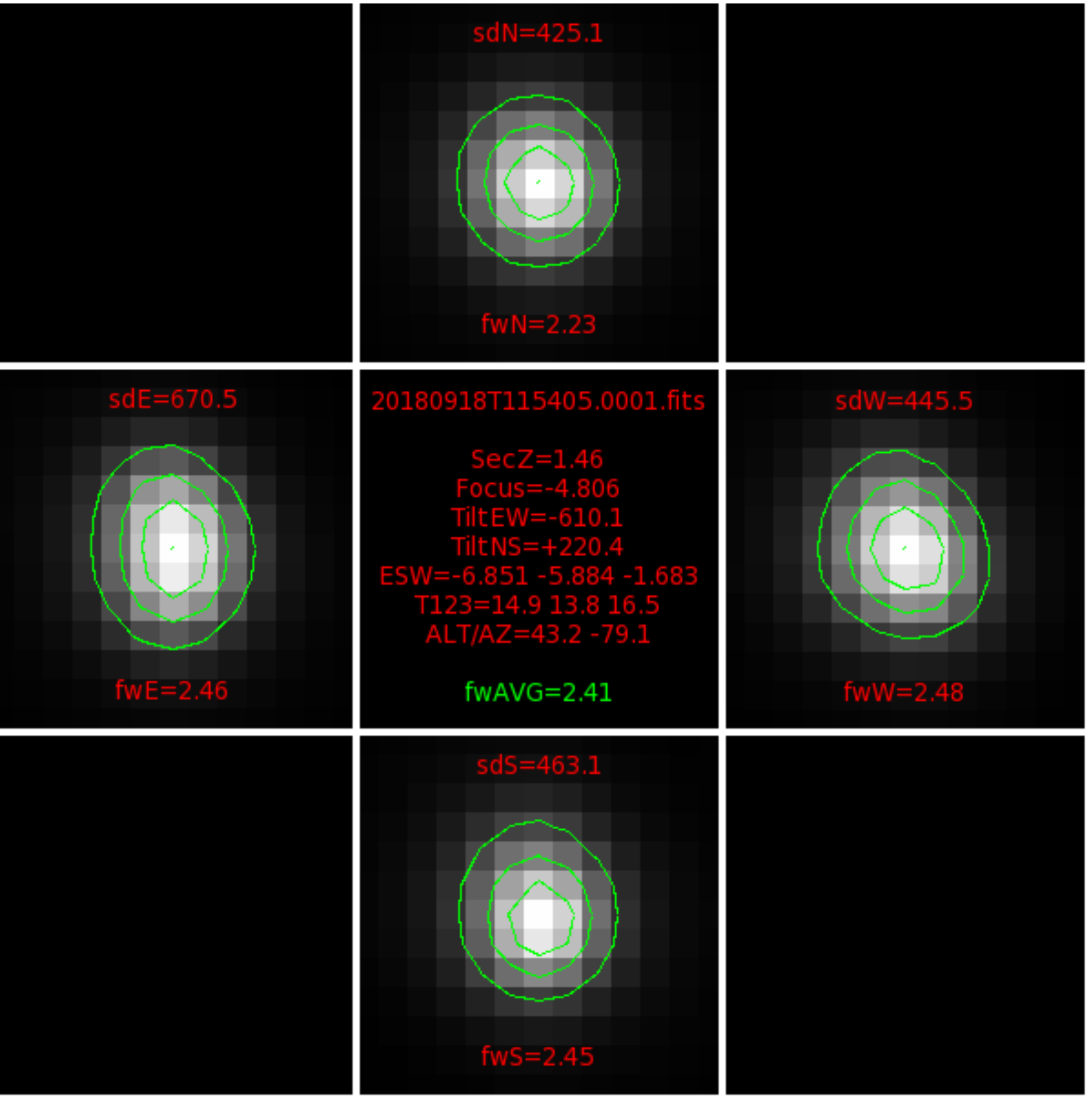
sdN=425.1
fwN=2.23
sdE=670.5
fwE=2.46
20180918T115405.0001.fits
SecZ=1.46
Focus=-4.806
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.851 -5.884 -1.683
T123=14.9 13.8 16.5
ALT/AZ=43.2 -79.1
fwAVG=2.41
sdW=445.5
fwW=2.48
sdS=463.1
fwS=2.45
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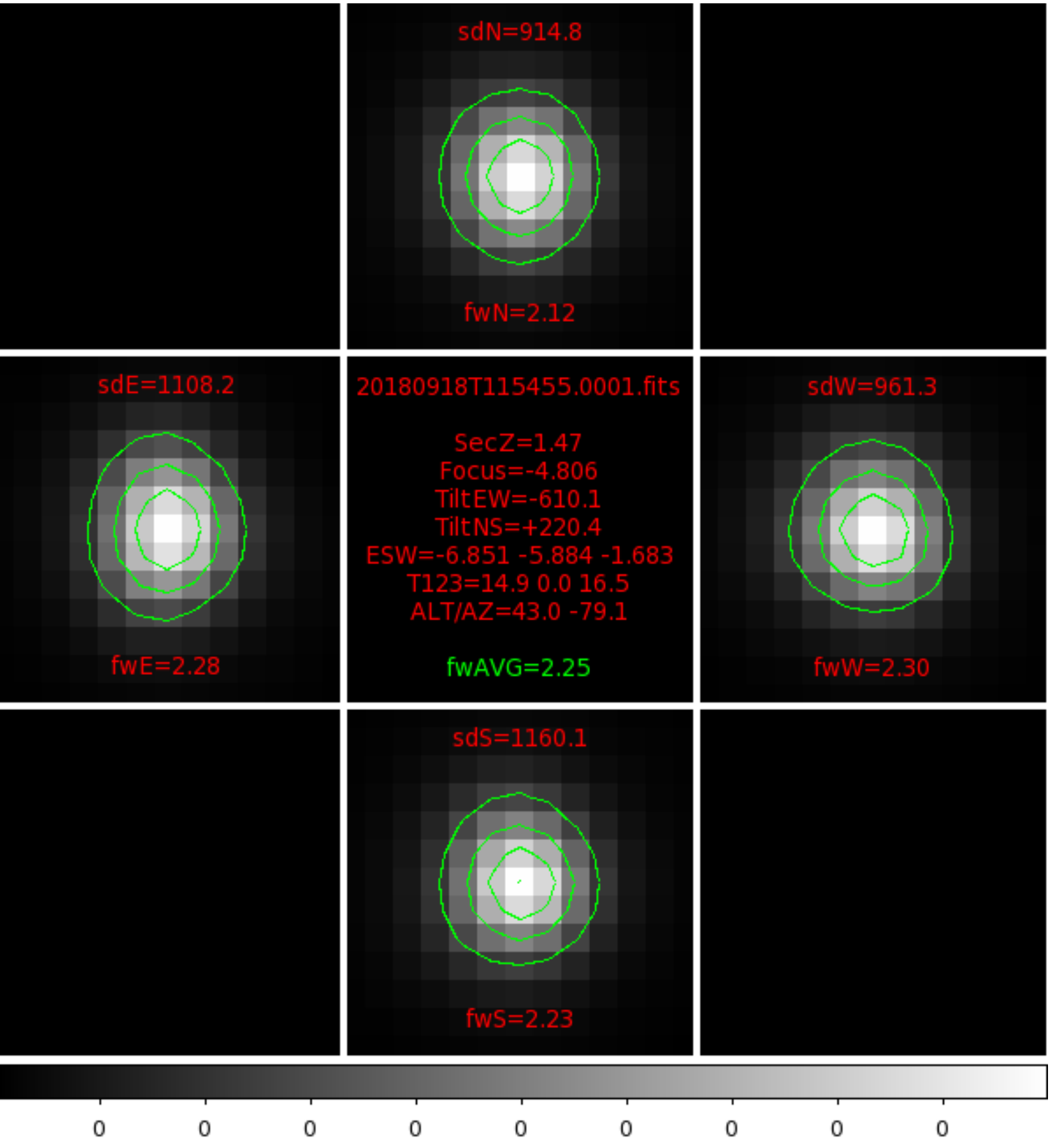
sdN=914.8
fwN=2.12
sdE=1108.2
fwE=2.28
20180918T115455.0001.fits
SecZ=1.47
Focus=-4.806
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.851 -5.884 -1.683
T123=14.9 0.0 16.5
ALT/AZ=43.0 -79.1
fwAVG=2.25
sdW=961.3
fwW=2.30
sdS=1160.1
fwS=2.23
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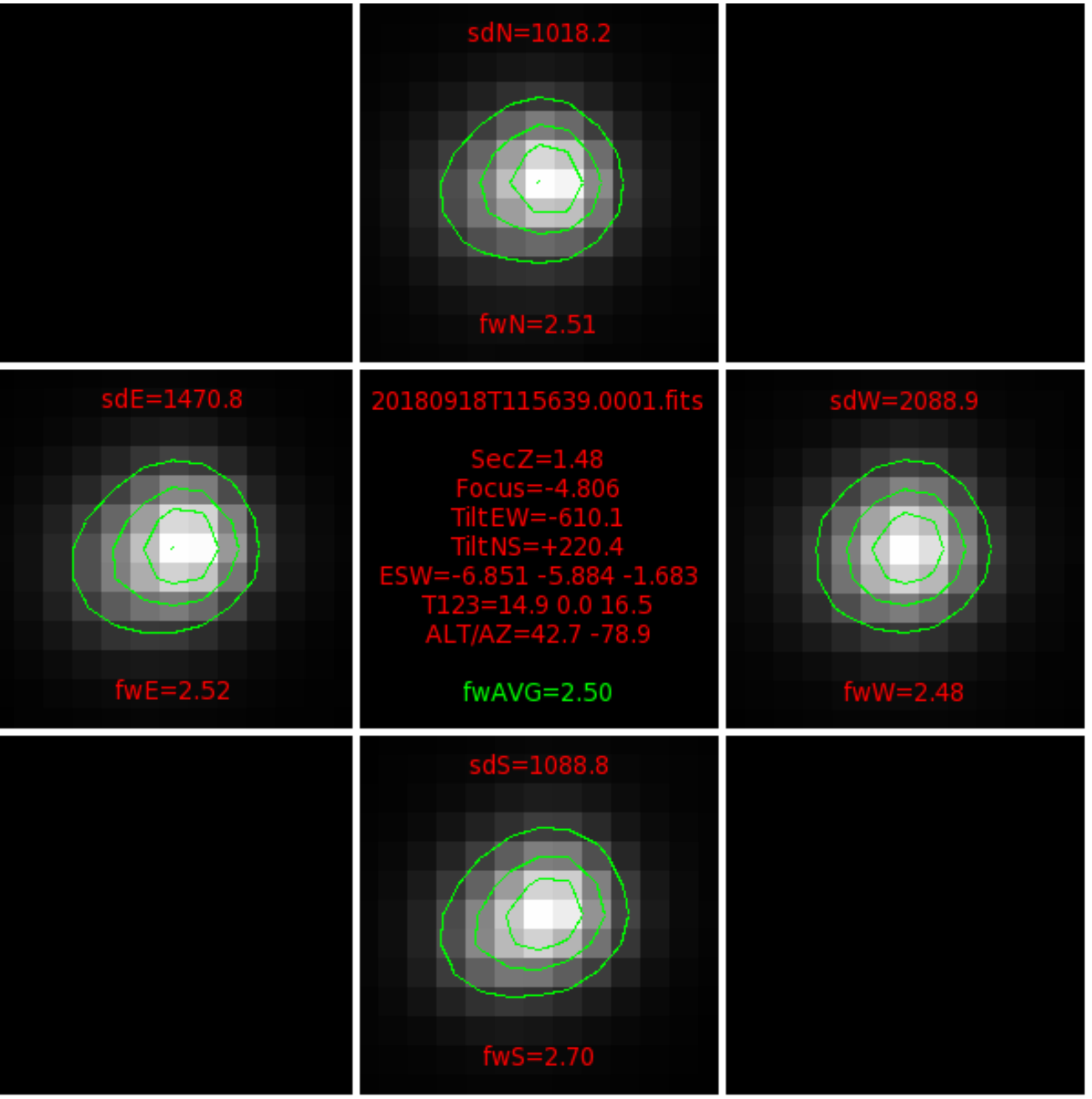
sdN=1018.2
fwN=2.51
sdE=1470.8
fwE=2.52
20180918T115639.0001.fits
SecZ=1.48
Focus=-4.806
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.851 -5.884 -1.683
T123=14.9 0.0 16.5
ALT/AZ=42.7 -78.9
fwAVG=2.50
sdW=2088.9
fwW=2.48
sdS=1088.8
fwS=2.70
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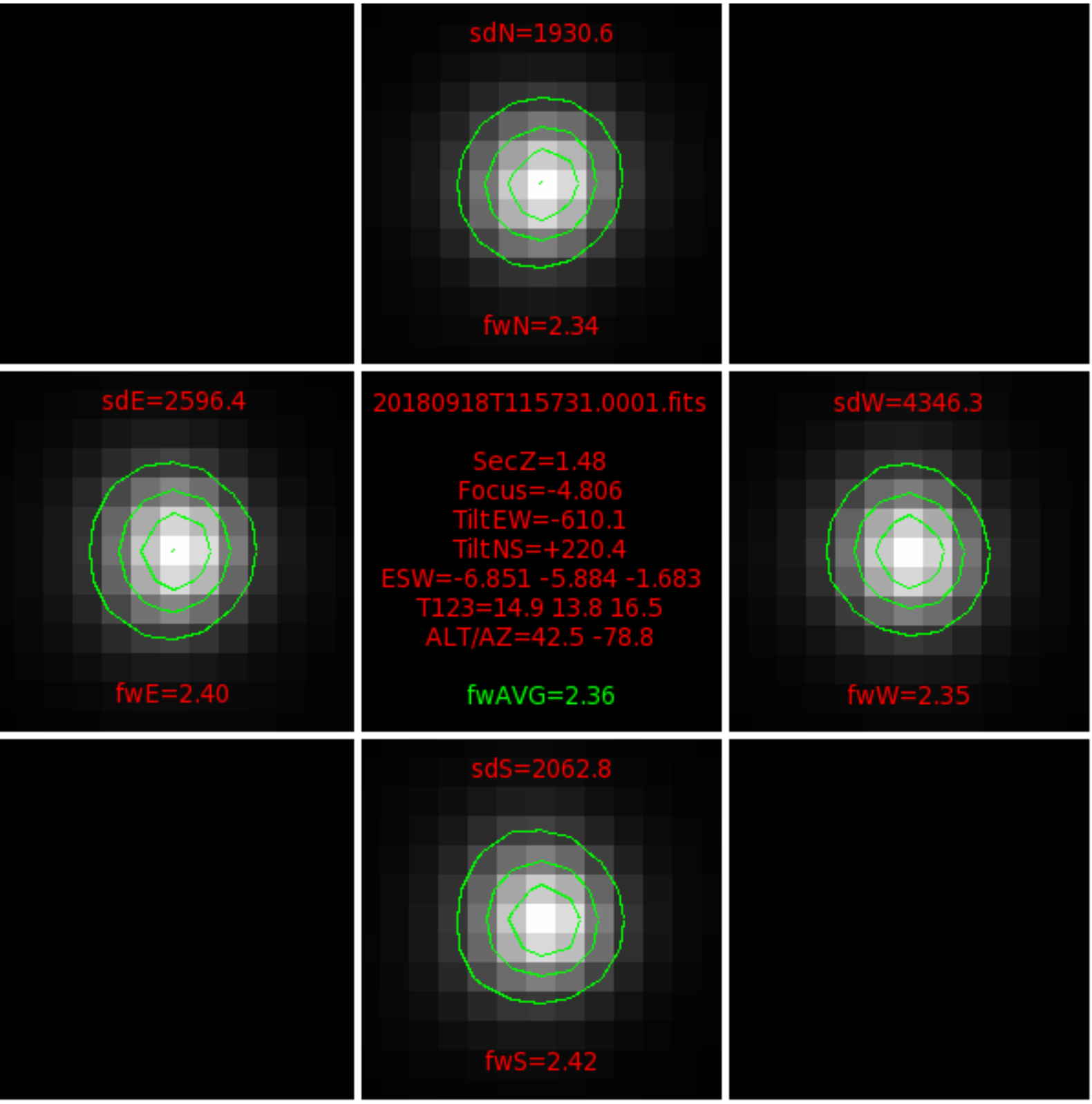
sdN=1930.6
fwN=2.34
sdE=2596.4
fwE=2.40
20180918T115731.0001.fits
SecZ=1.48
Focus=-4.806
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.851 -5.884 -1.683
T123=14.9 13.8 16.5
ALT/AZ=42.5 -78.8
fwAVG=2.36
sdW=4346.3
fwW=2.35
sdS=2062.8
fwS=2.42
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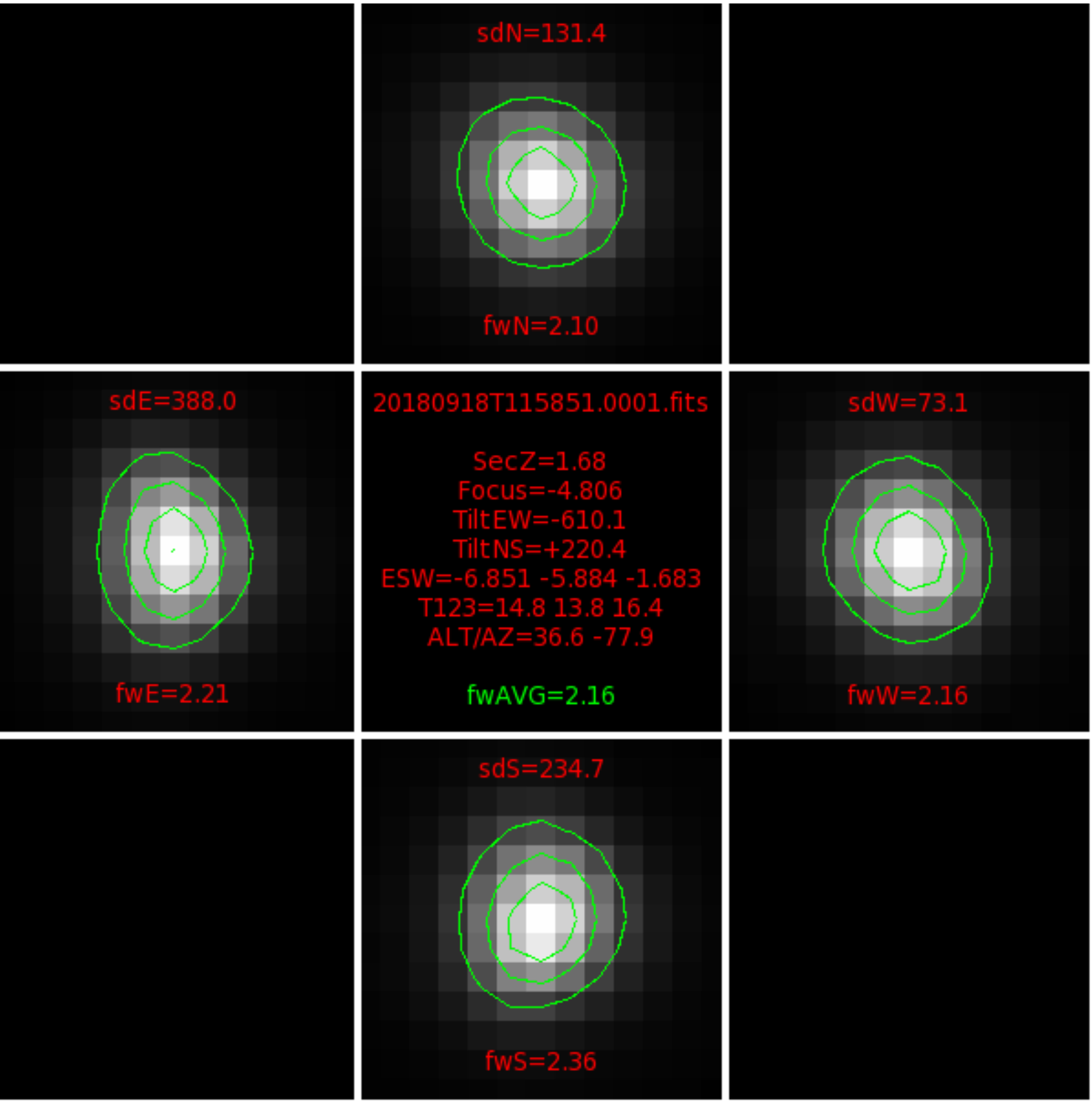
sdN=131.4
fwN=2.10
sdE=388.0
fwE=2.21
20180918T115851.0001.fits
SecZ=1.68
Focus=-4.806
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.851 -5.884 -1.683
T123=14.8 13.8 16.4
ALT/AZ=36.6 -77.9
fwAVG=2.16
sdW=73.1
fwW=2.16
sdS=234.7
fwS=2.36
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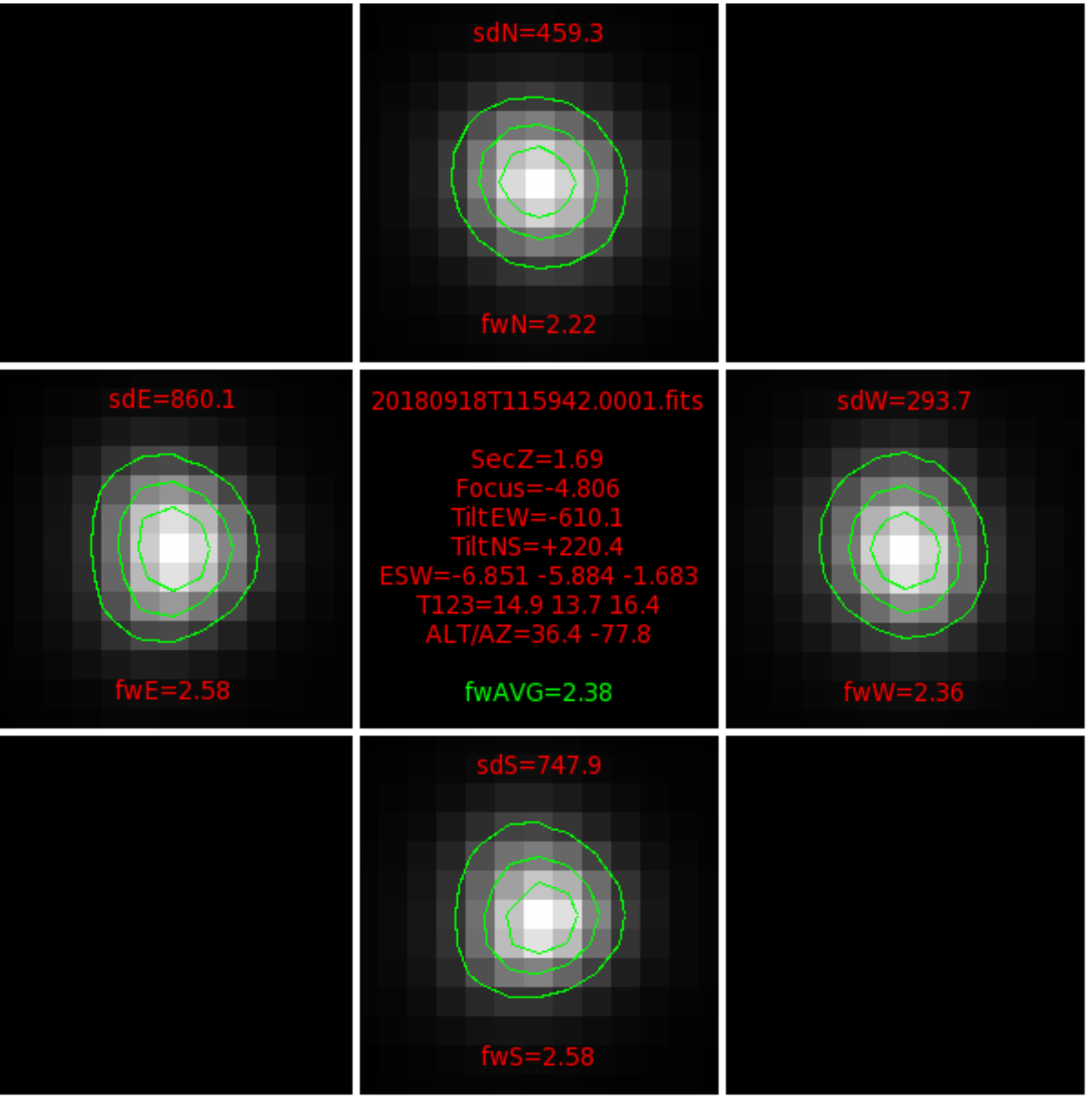
sdN=459.3
fwN=2.22
sdE=860.1
fwE=2.58
20180918T115942.0001.fits
SecZ=1.69
Focus=-4.806
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.851 -5.884 -1.683
T123=14.9 13.7 16.4
ALT/AZ=36.4 -77.8
fwAVG=2.38
sdW=293.7
fwW=2.36
sdS=747.9
fwS=2.58
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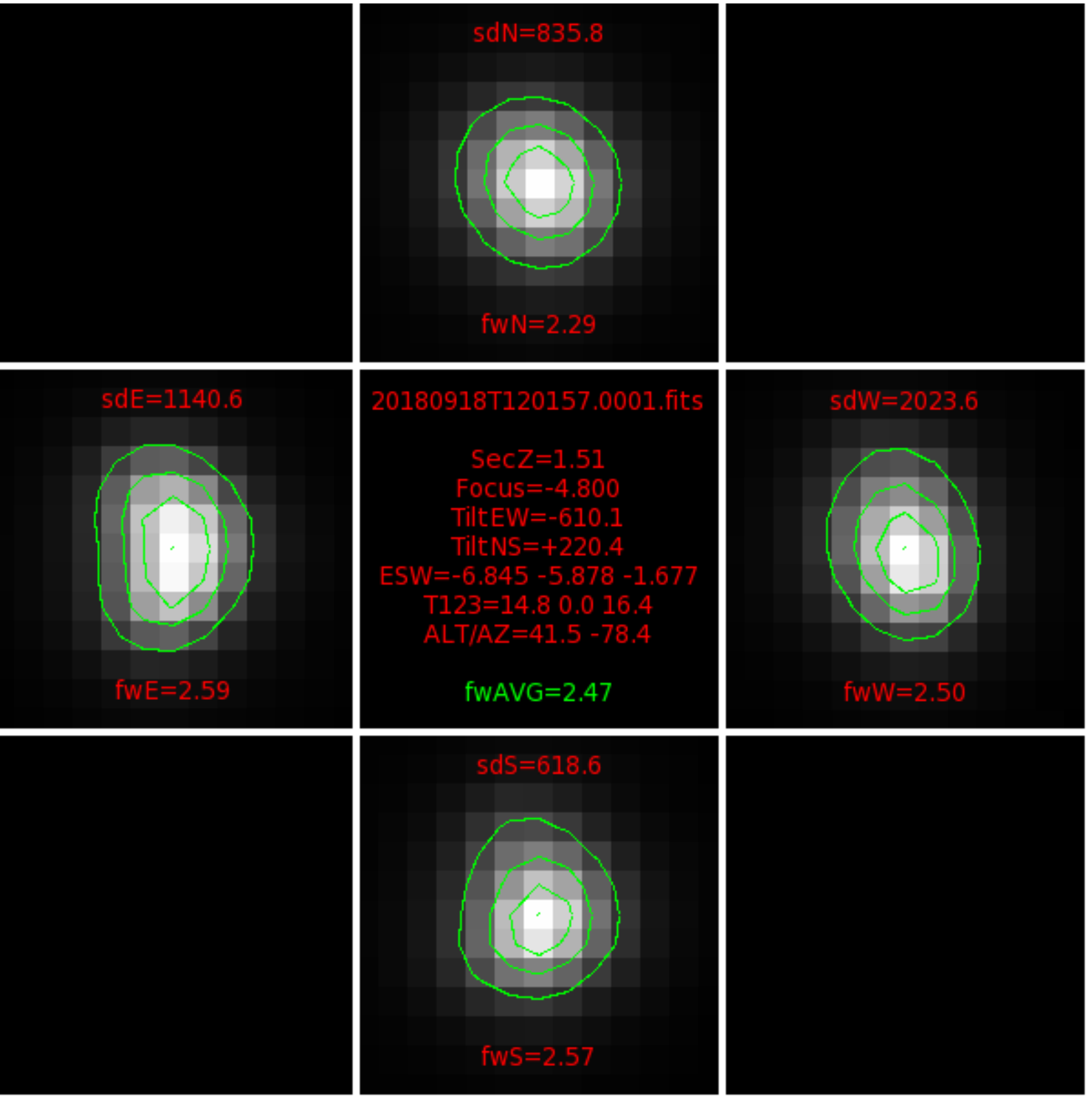
sdN=835.8
fwN=2.29
sdE=1140.6
fwE=2.59
20180918T120157.0001.fits
SecZ=1.51
Focus=-4.800
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.845 -5.878 -1.677
T123=14.8 0.0 16.4
ALT/AZ=41.5 -78.4
fwAVG=2.47
sdW=2023.6
fwW=2.50
sdS=618.6
fwS=2.57
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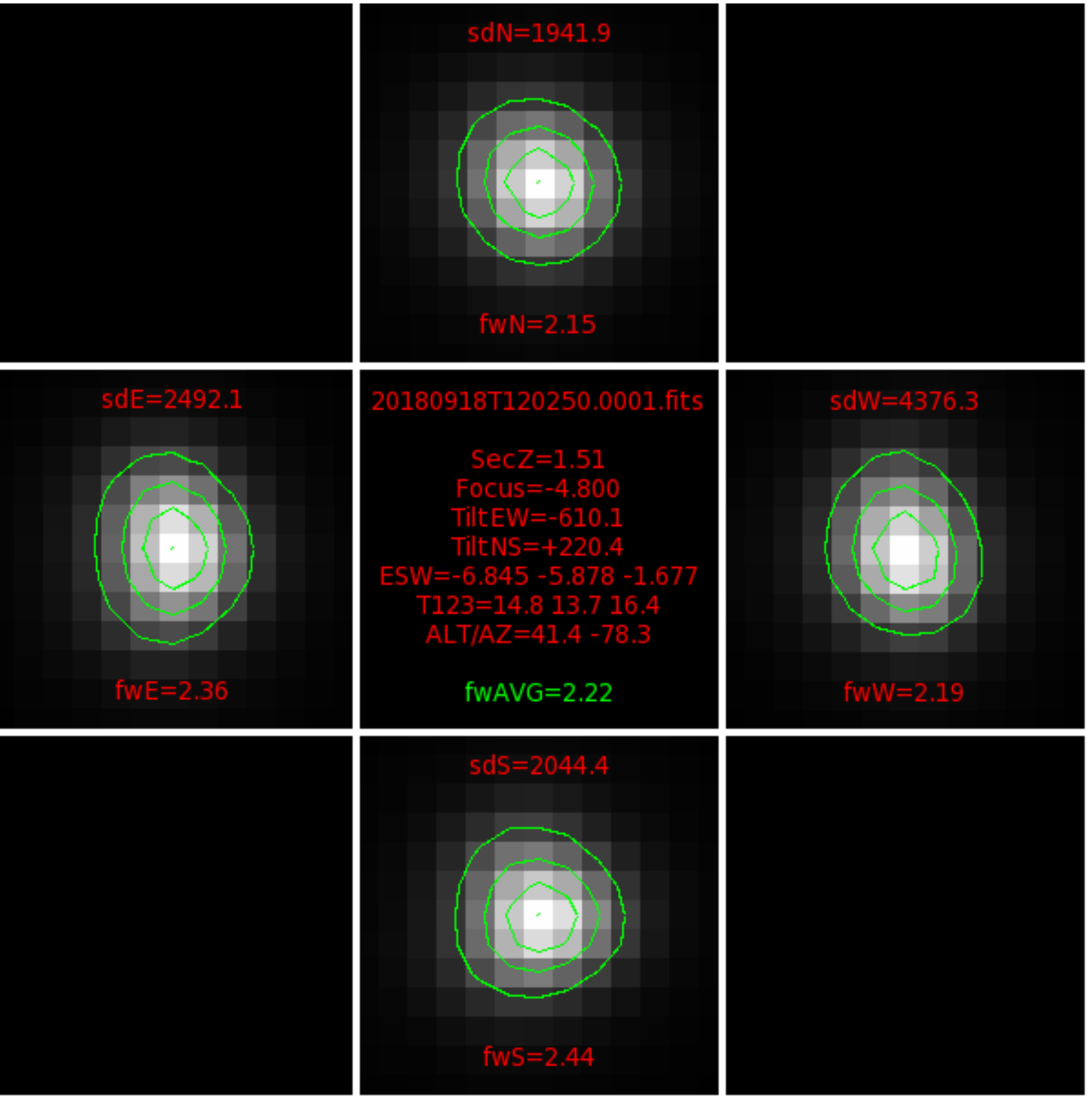
sdN=1941.9
fwN=2.15
sdE=2492.1
fwE=2.36
20180918T120250.0001.fits
SecZ=1.51
Focus=-4.800
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.845 -5.878 -1.677
T123=14.8 13.7 16.4
ALT/AZ=41.4 -78.3
fwAVG=2.22
sdW=4376.3
fwW=2.19
sdS=2044.4
fwS=2.44
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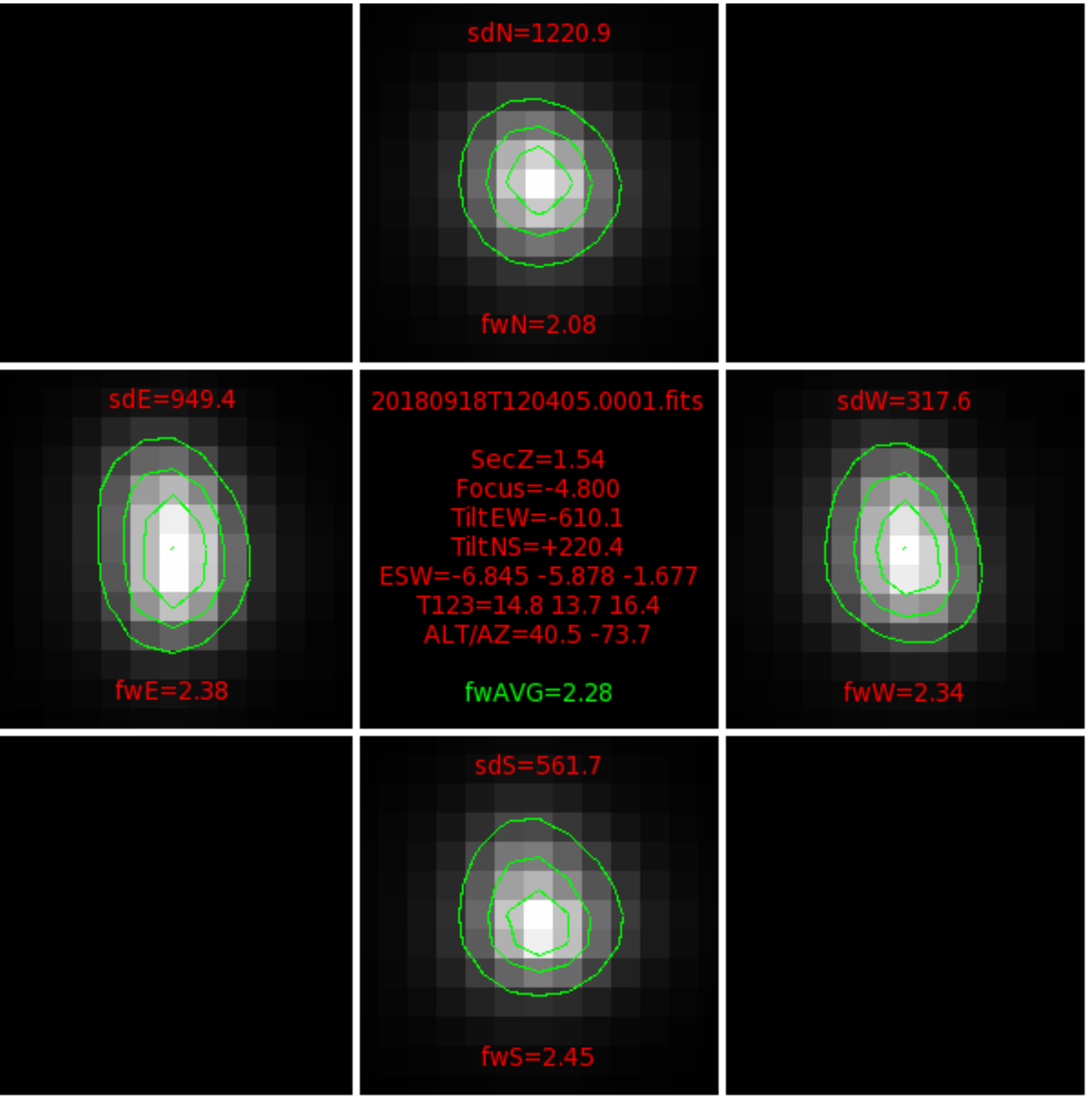
sdN=1220.9
fwN=2.08
sdE=949.4
fwE=2.38
20180918T120405.0001.fits
SecZ=1.54
Focus=-4.800
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.845 -5.878 -1.677
T123=14.8 13.7 16.4
ALT/AZ=40.5 -73.7
fwAVG=2.28
sdW=317.6
fwW=2.34
sdS=561.7
fwS=2.45
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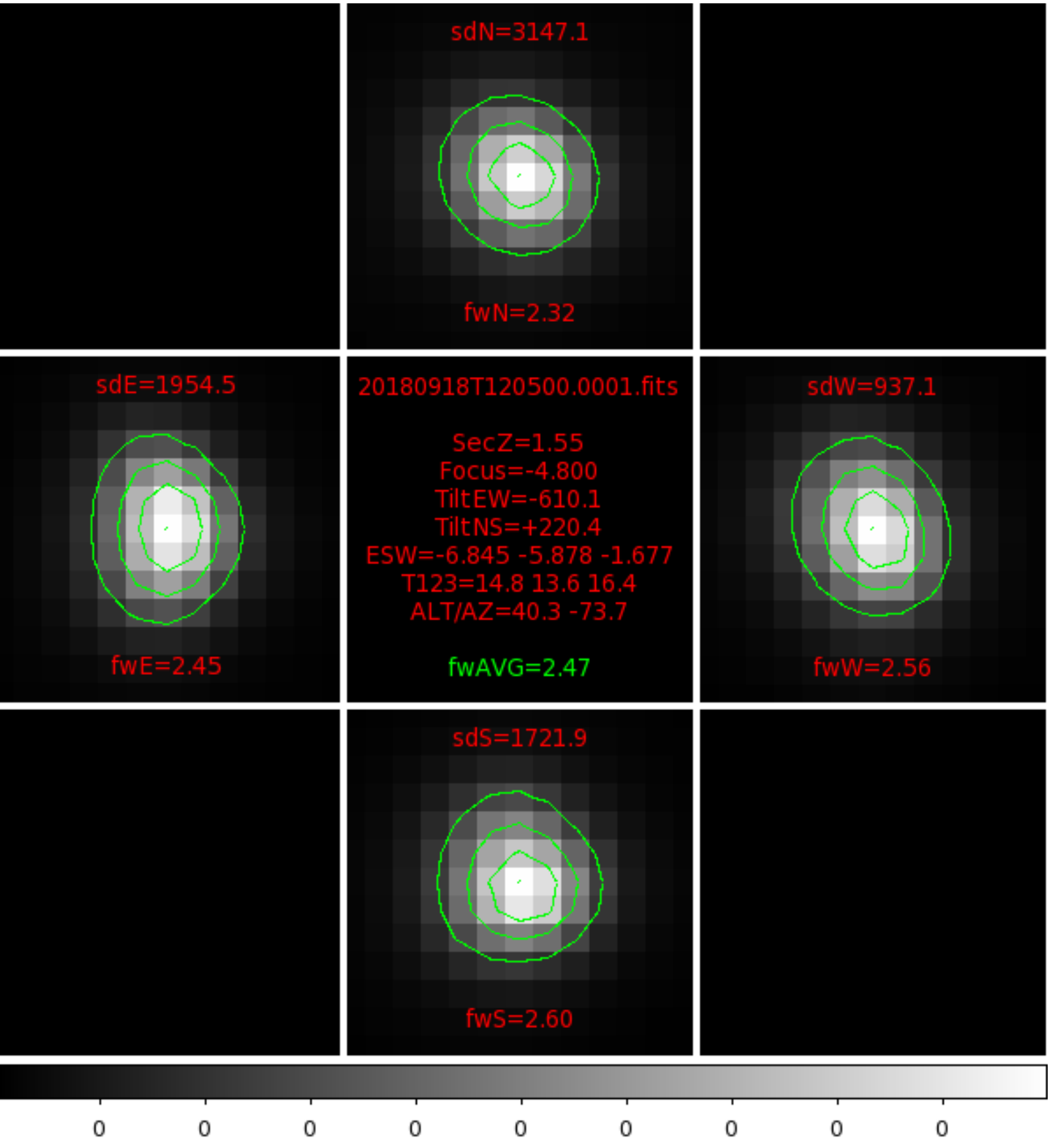
sdN=3147.1
fwN=2.32
sdE=1954.5
fwE=2.45
20180918T120500.0001.fits
SecZ=1.55
Focus=-4.800
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.845 -5.878 -1.677
T123=14.8 13.6 16.4
ALT/AZ=40.3 -73.7
fwAVG=2.47
sdW=937.1
fwW=2.56
sdS=1721.9
fwS=2.60
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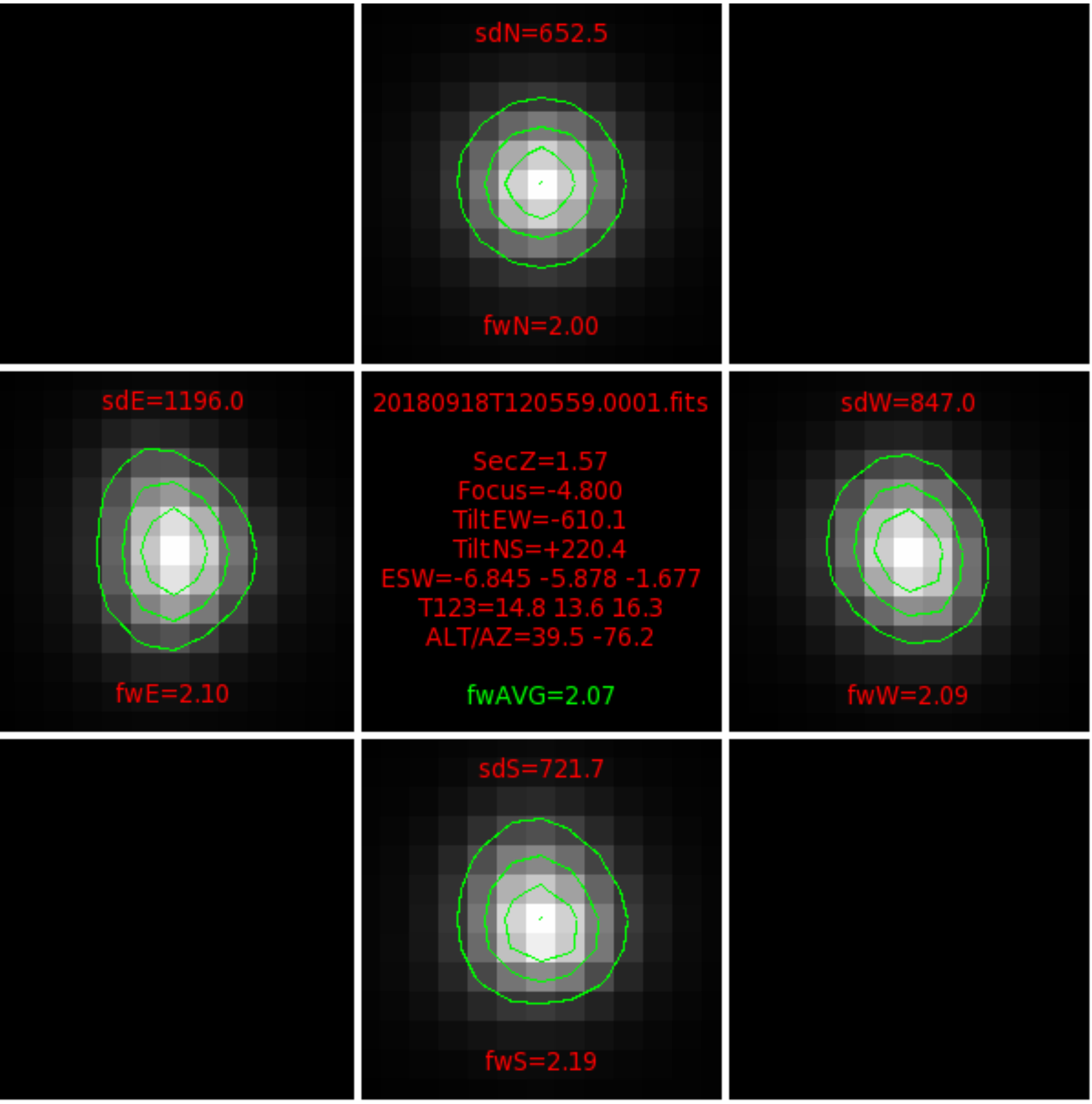
sdN=652.5
fwN=2.00
sdE=1196.0
fwE=2.10
20180918T120559.0001.fits
SecZ=1.57
Focus=-4.800
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.845 -5.878 -1.677
T123=14.8 13.6 16.3
ALT/AZ=39.5 -76.2
fwAVG=2.07
sdW=847.0
fwW=2.09
sdS=721.7
fwS=2.19
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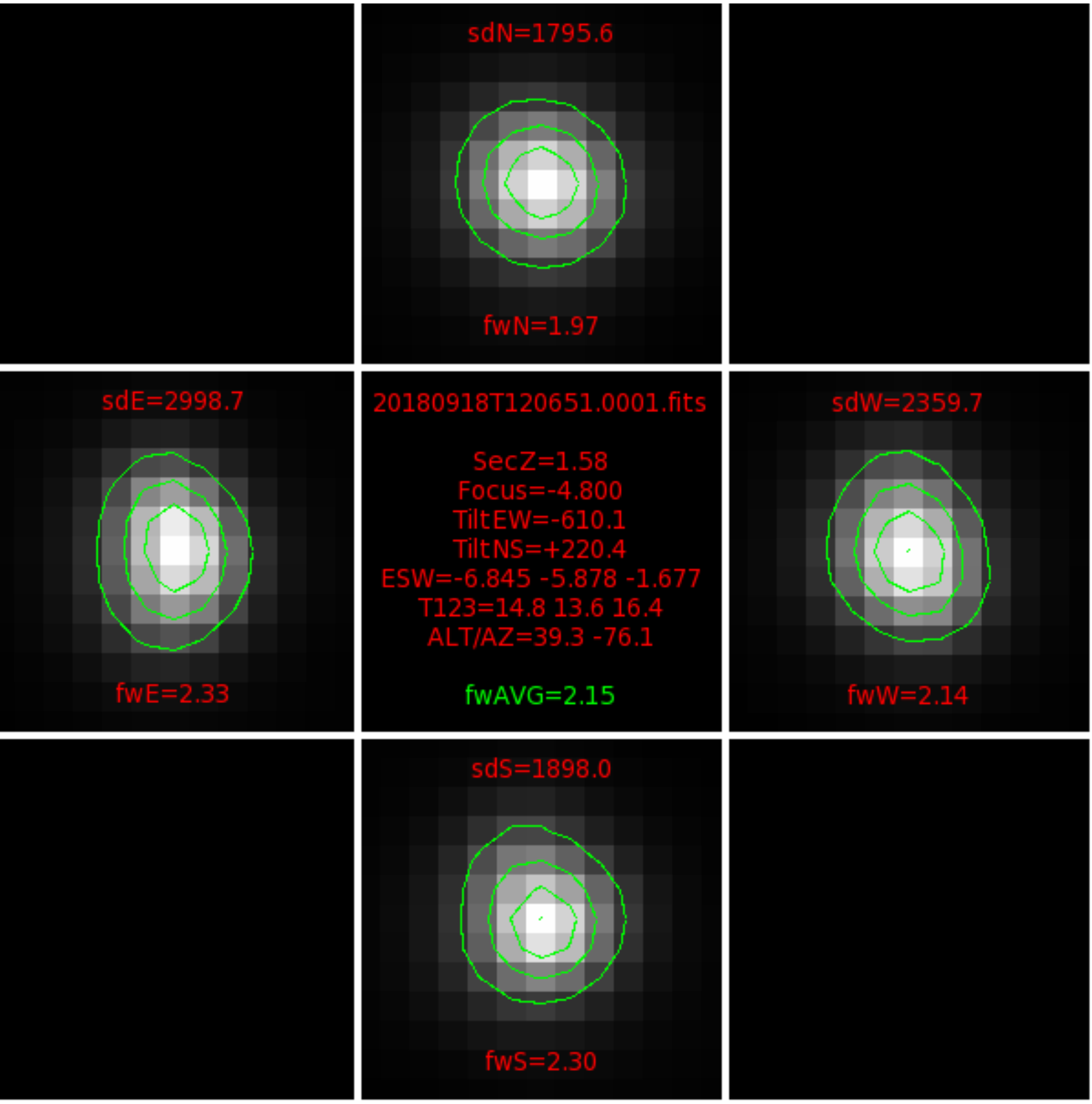
sdN=1795.6
fwN=1.97
sdE=2998.7
fwE=2.33
20180918T120651.0001.fits
SecZ=1.58
Focus=-4.800
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.845 -5.878 -1.677
T123=14.8 13.6 16.4
ALT/AZ=39.3 -76.1
fwAVG=2.15
sdW=2359.7
fwW=2.14
sdS=1898.0
fwS=2.30
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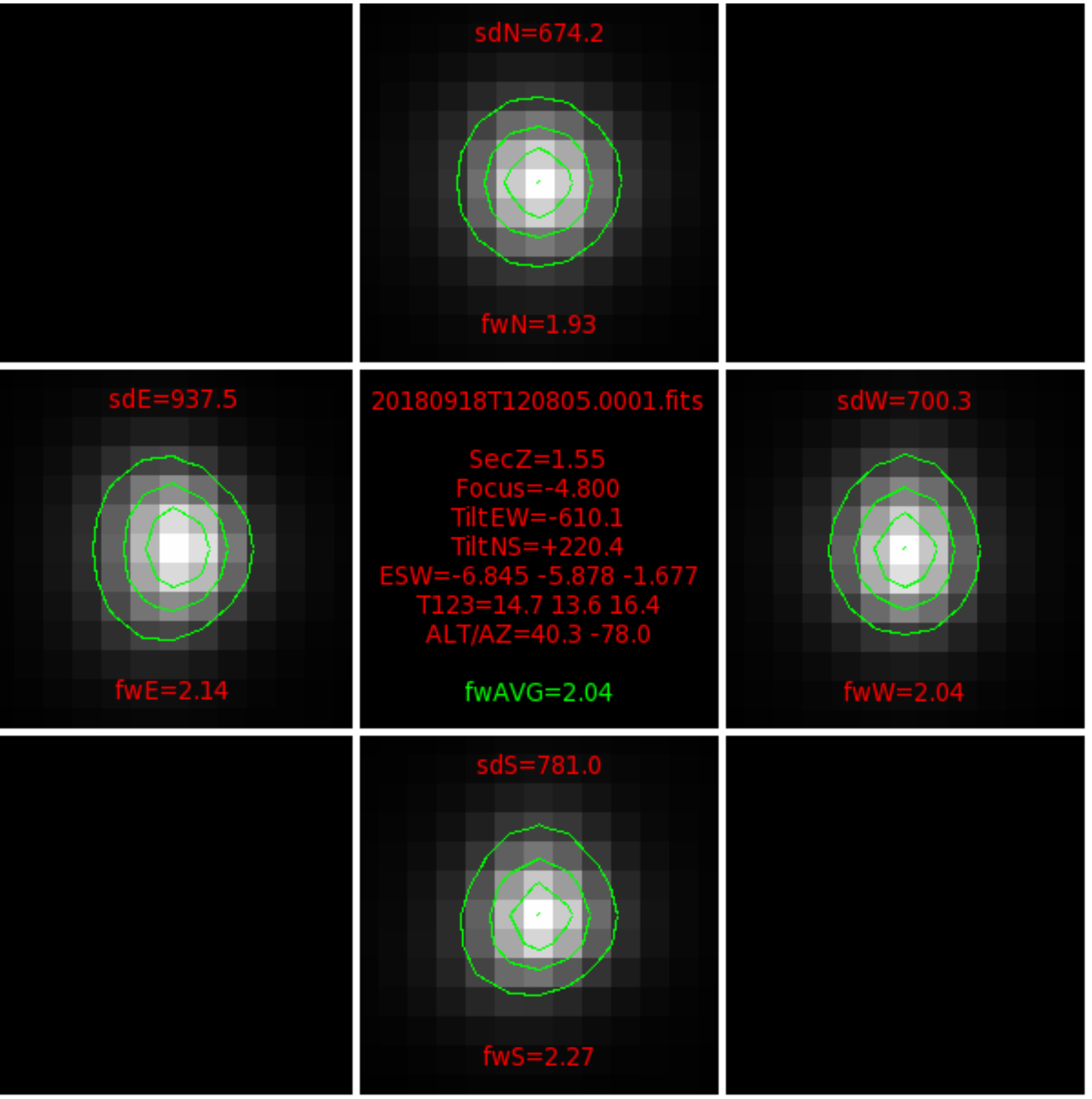
sdN=674.2
fwN=1.93
sdE=937.5
fwE=2.14
20180918T120805.0001.fits
SecZ=1.55
Focus=-4.800
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.845 -5.878 -1.677
T123=14.7 13.6 16.4
ALT/AZ=40.3 -78.0
fwAVG=2.04
sdW=700.3
fwW=2.04
sdS=781.0
fwS=2.27
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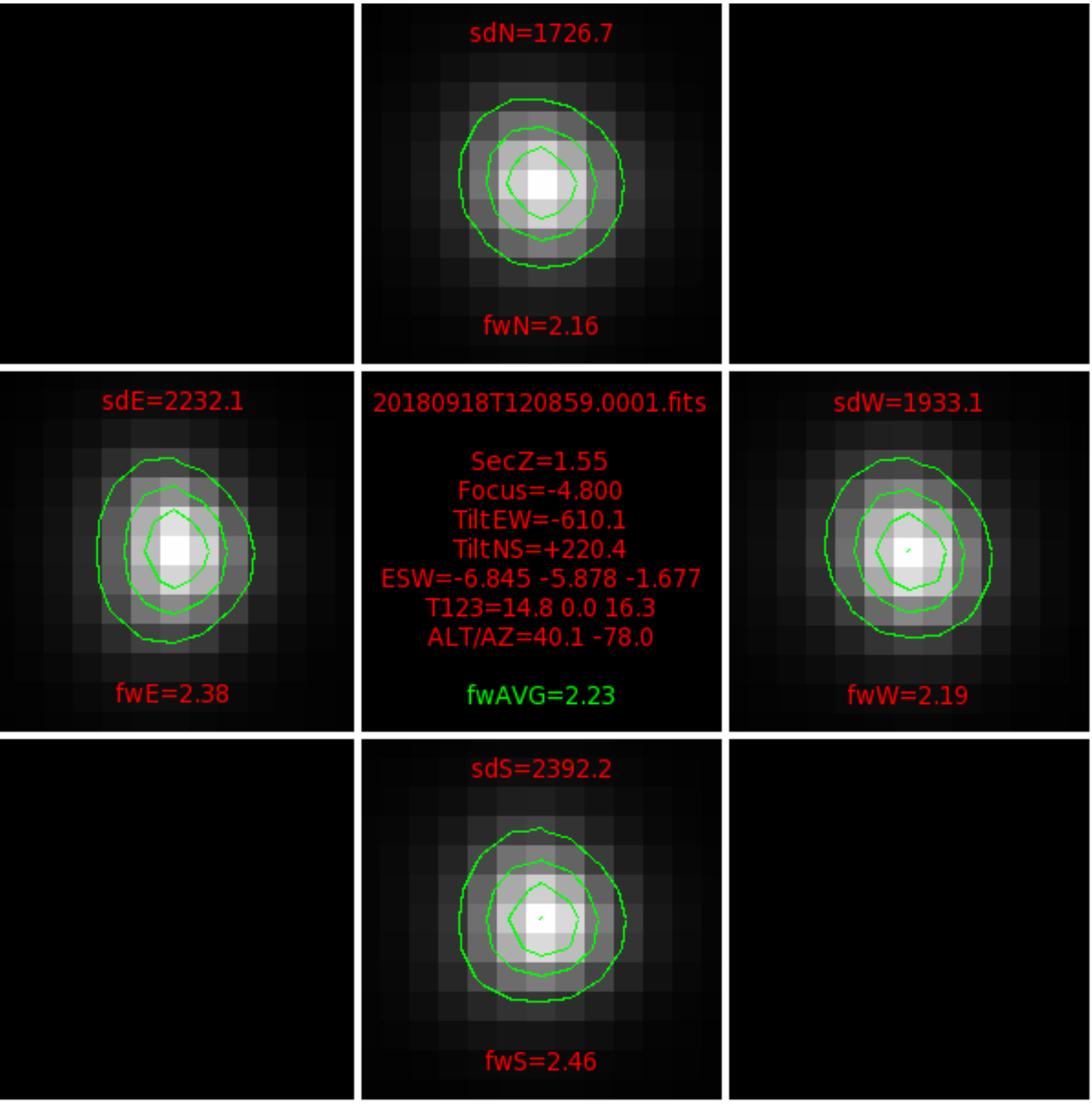
sdN=1726.7
fwN=2.16
sdE=2232.1
fwE=2.38
20180918T120859.0001.fits
SecZ=1.55
Focus=-4.800
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.845 -5.878 -1.677
T123=14.8 0.0 16.3
ALT/AZ=40.1 -78.0
fwAVG=2.23
sdW=1933.1
fwW=2.19
sdS=2392.2
fwS=2.46
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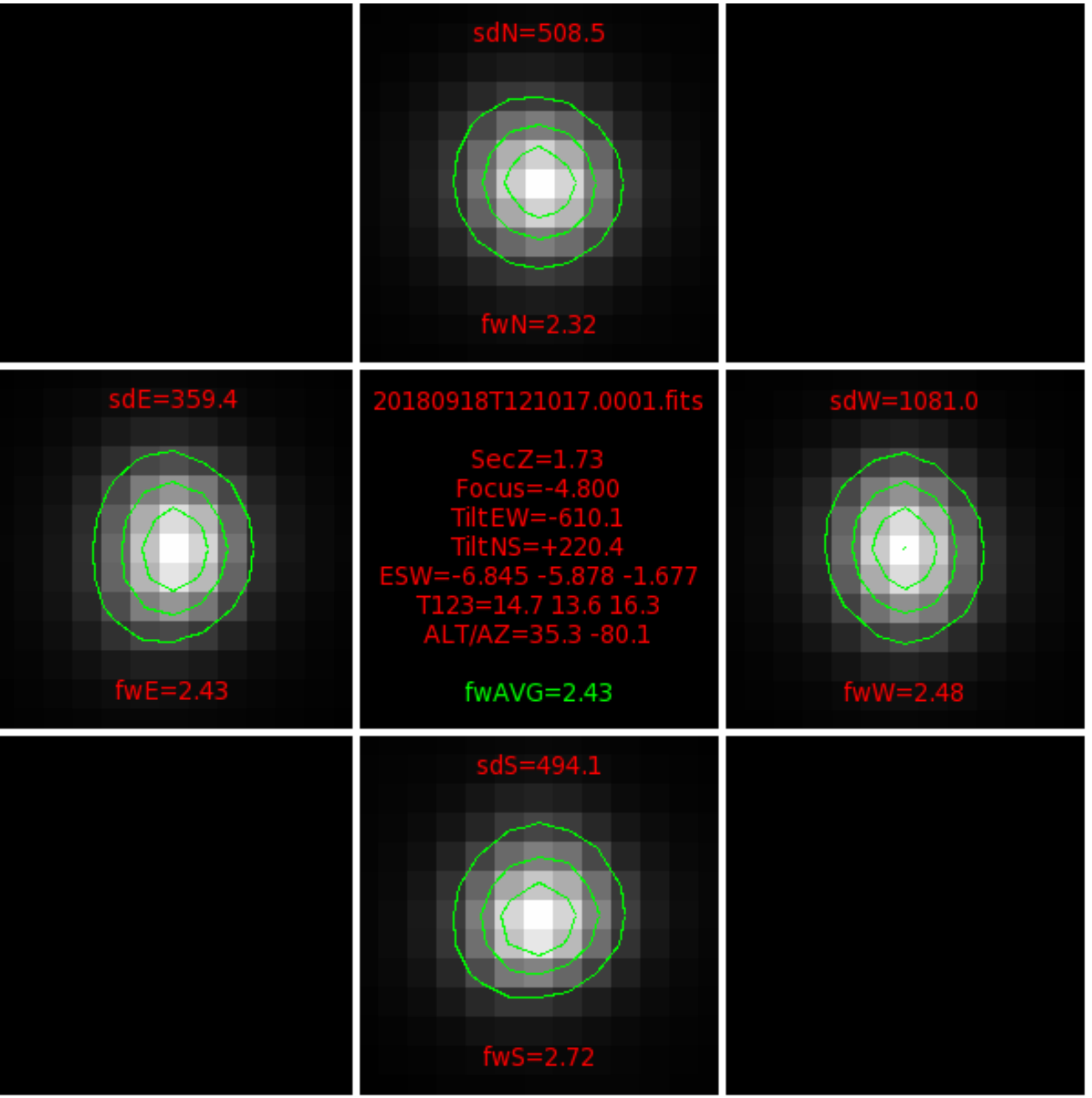
sdN=508.5
fwN=2.32
sdE=359.4
fwE=2.43
20180918T121017.0001.fits
SecZ=1.73
Focus=-4.800
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.845 -5.878 -1.677
T123=14.7 13.6 16.3
ALT/AZ=35.3 -80.1
fwAVG=2.43
sdW=1081.0
fwW=2.48
sdS=494.1
fwS=2.72
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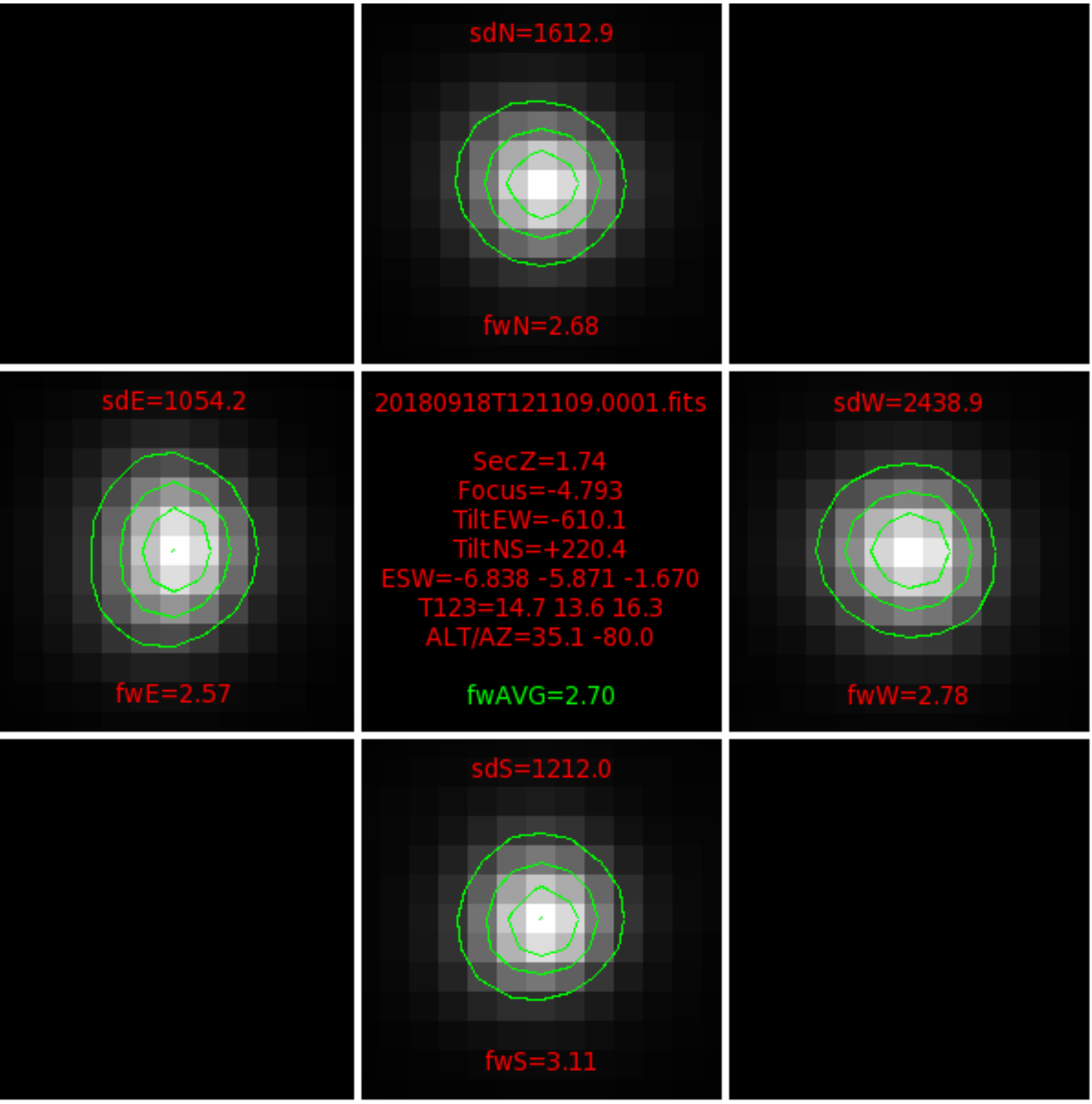
sdN=1612.9
fwN=2.68
sdE=1054.2
fwE=2.57
20180918T121109.0001.fits
SecZ=1.74
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=14.7 13.6 16.3
ALT/AZ=35.1 -80.0
fwAVG=2.70
sdW=2438.9
fwW=2.78
sdS=1212.0
fwS=3.11
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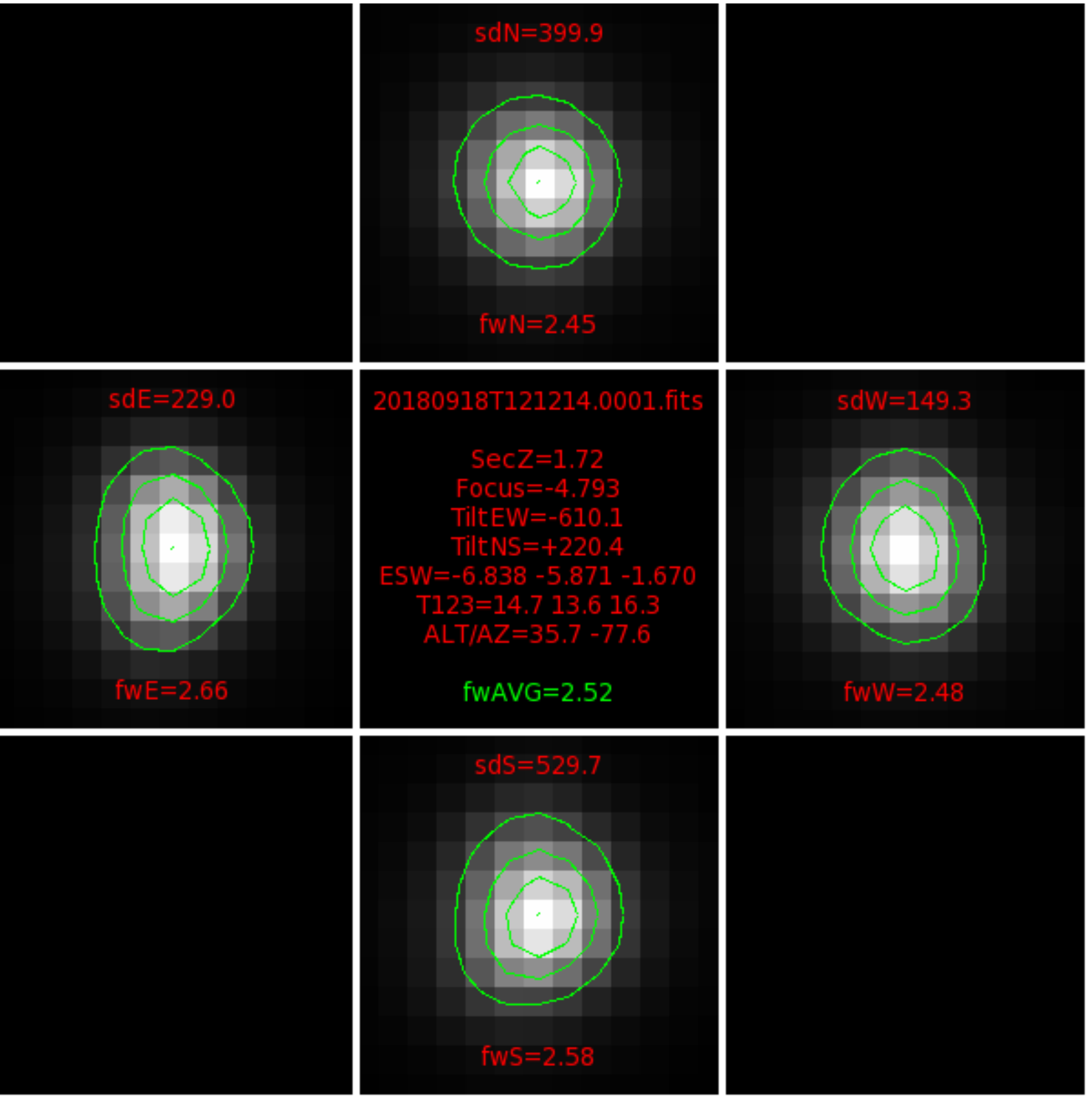
sdN=399.9
fwN=2.45
sdE=229.0
fwE=2.66
20180918T121214.0001.fits
SecZ=1.72
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=14.7 13.6 16.3
ALT/AZ=35.7 -77.6
fwAVG=2.52
sdW=149.3
fwW=2.48
sdS=529.7
fwS=2.58
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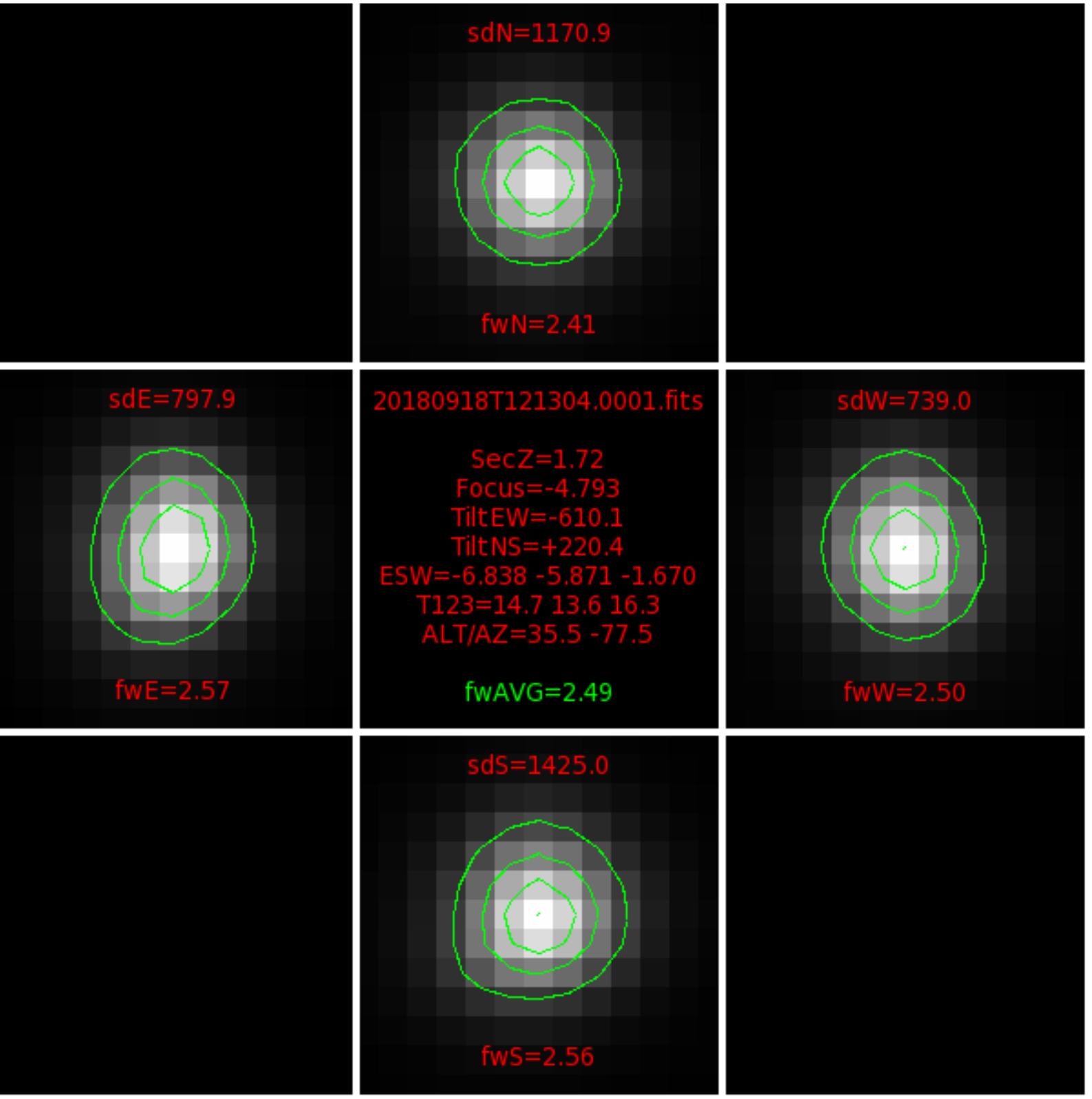
sdN=1170.9
fwN=2.41
sdE=797.9
fwE=2.57
20180918T121304.0001.fits
SecZ=1.72
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=14.7 13.6 16.3
ALT/AZ=35.5 -77.5
fwAVG=2.49
sdW=739.0
fwW=2.50
sdS=1425.0
fwS=2.56
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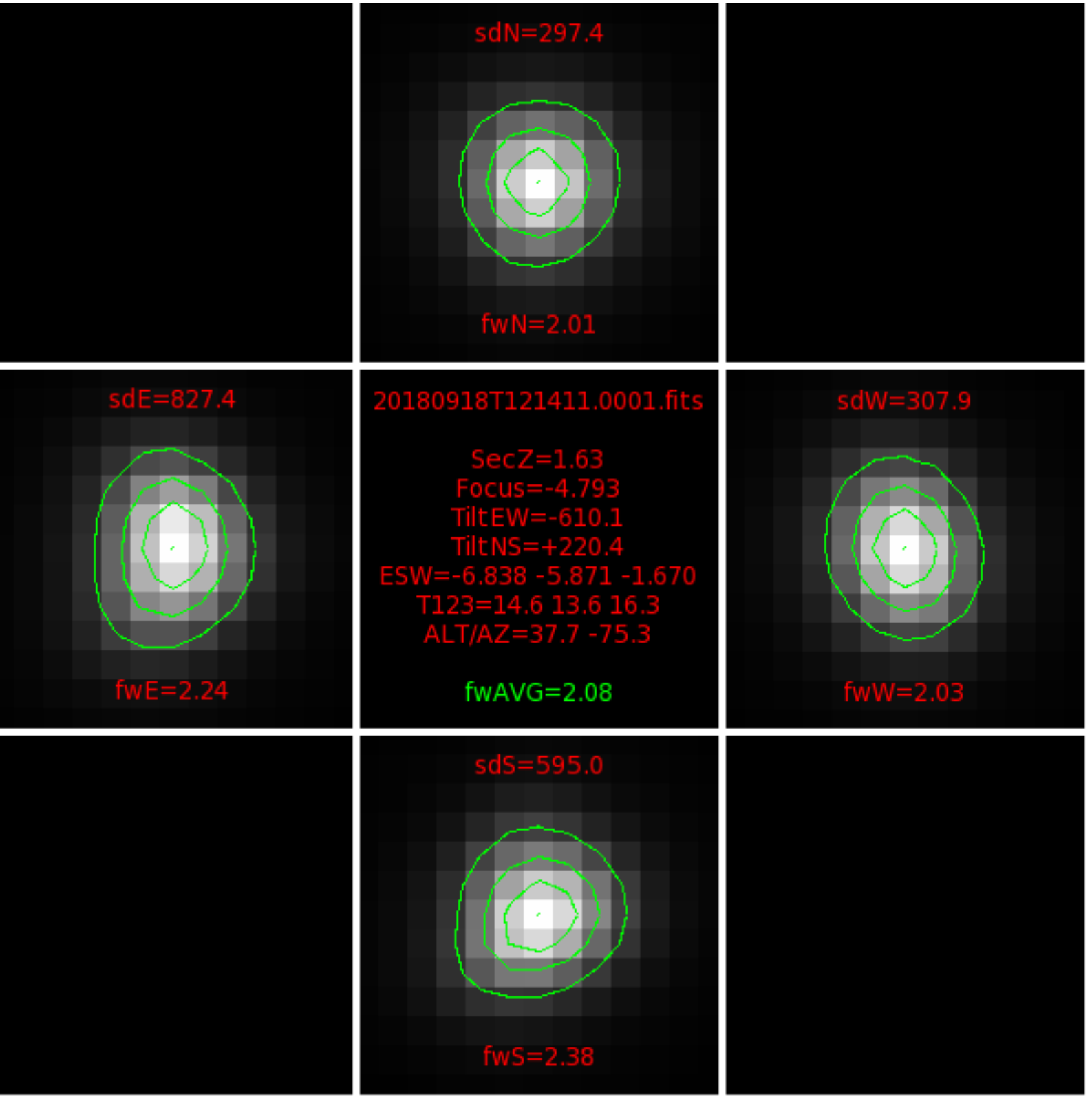
sdN=297.4
fwN=2.01
sdE=827.4
fwE=2.24
20180918T121411.0001.fits
SecZ=1.63
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=14.6 13.6 16.3
ALT/AZ=37.7 -75.3
fwAVG=2.08
sdW=307.9
fwW=2.03
sdS=595.0
fwS=2.38
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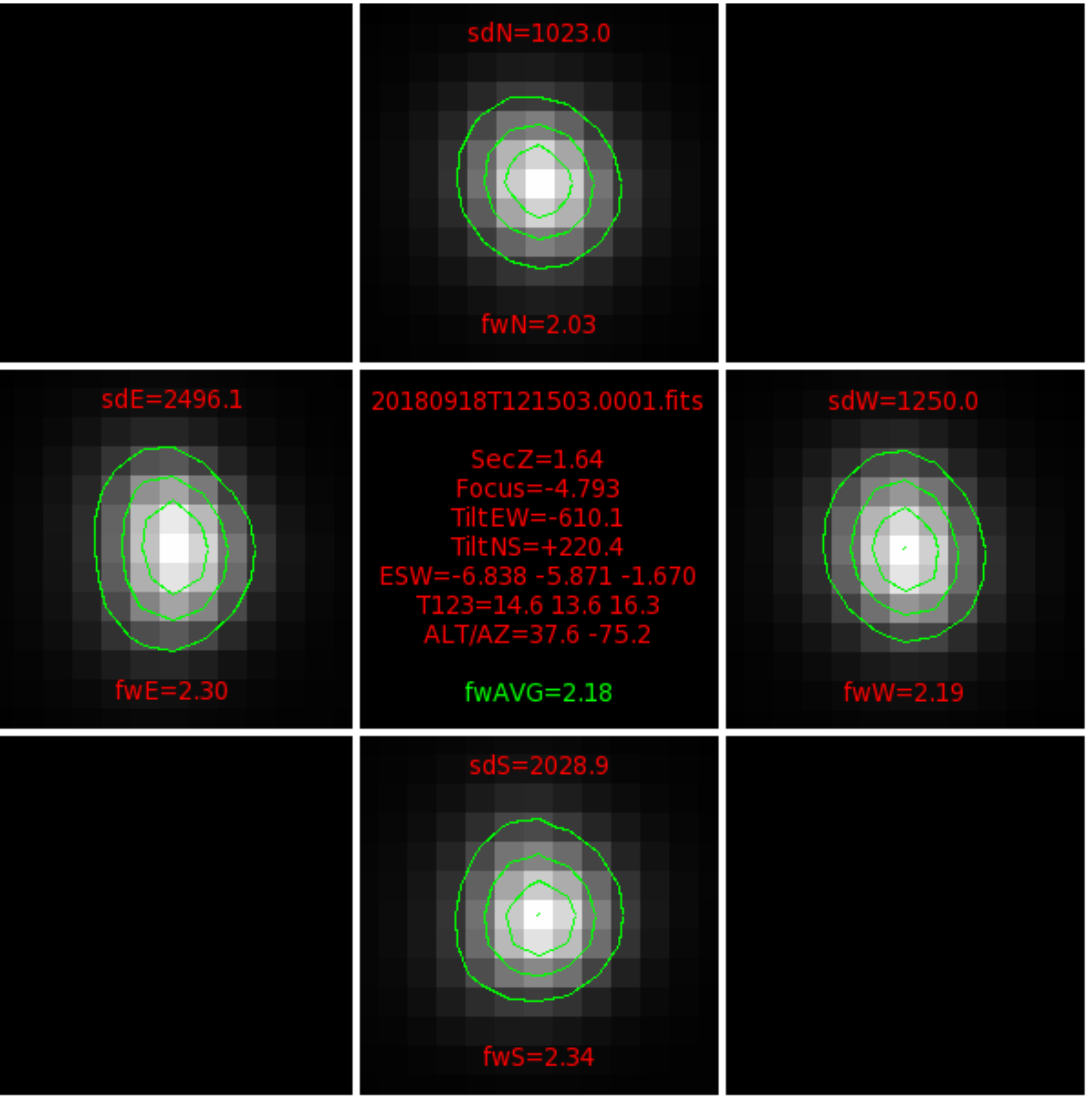
sdN=1023.0
fwN=2.03
sdE=2496.1
fwE=2.30
20180918T121503.0001.fits
SecZ=1.64
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=14.6 13.6 16.3
ALT/AZ=37.6 -75.2
fwAVG=2.18
sdW=1250.0
fwW=2.19
sdS=2028.9
fwS=2.34
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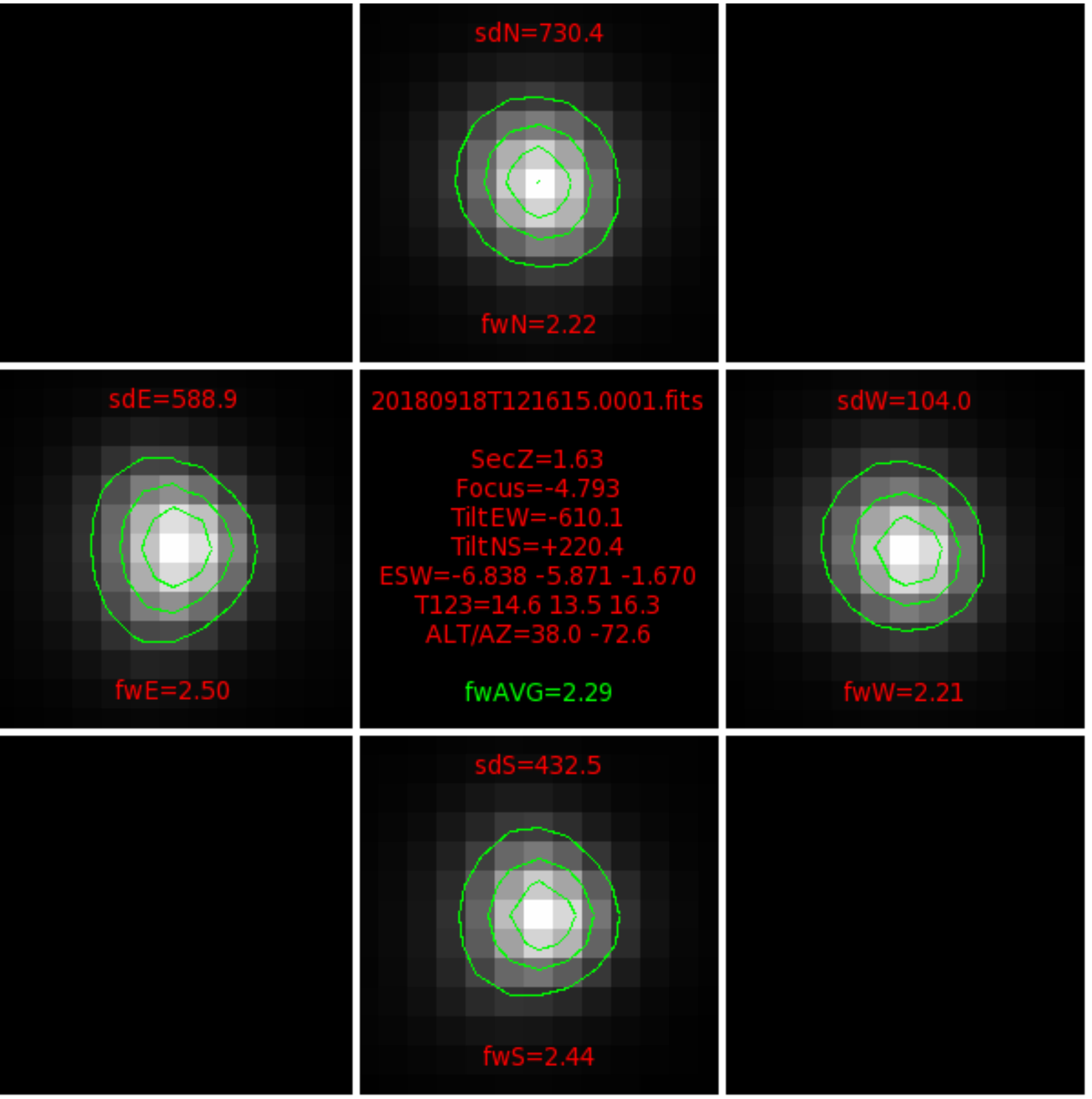
sdN=730.4
fwN=2.22
sdE=588.9
fwE=2.50
20180918T121615.0001.fits
SecZ=1.63
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=14.6 13.5 16.3
ALT/AZ=38.0 -72.6
fwAVG=2.29
sdW=104.0
fwW=2.21
sdS=432.5
fwS=2.44
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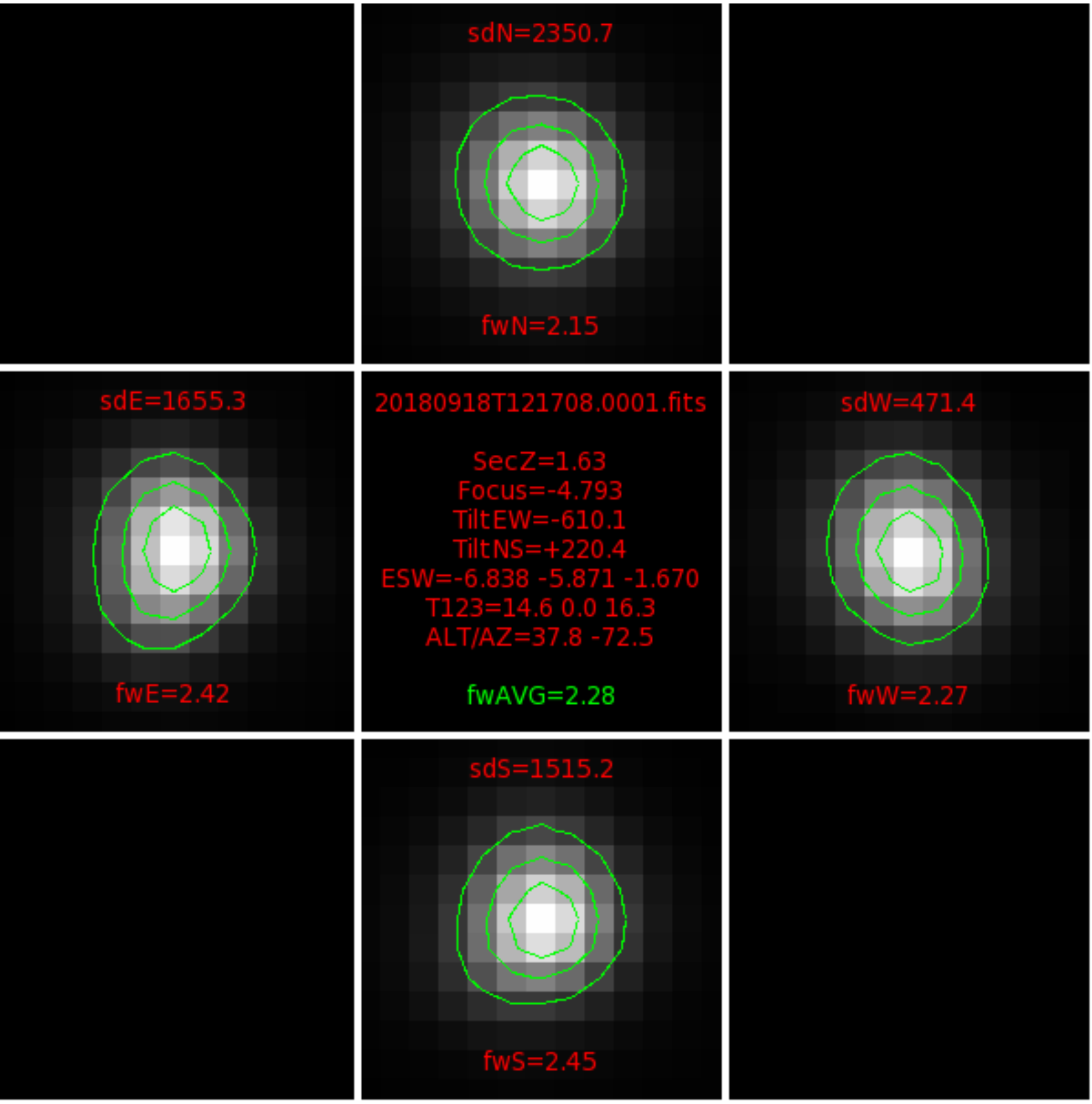
sdN=2350.7
fwN=2.15
sdE=1655.3
fwE=2.42
20180918T121708.0001.fits
SecZ=1.63
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=14.6 0.0 16.3
ALT/AZ=37.8 -72.5
fwAVG=2.28
sdW=471.4
fwW=2.27
sdS=1515.2
fwS=2.45
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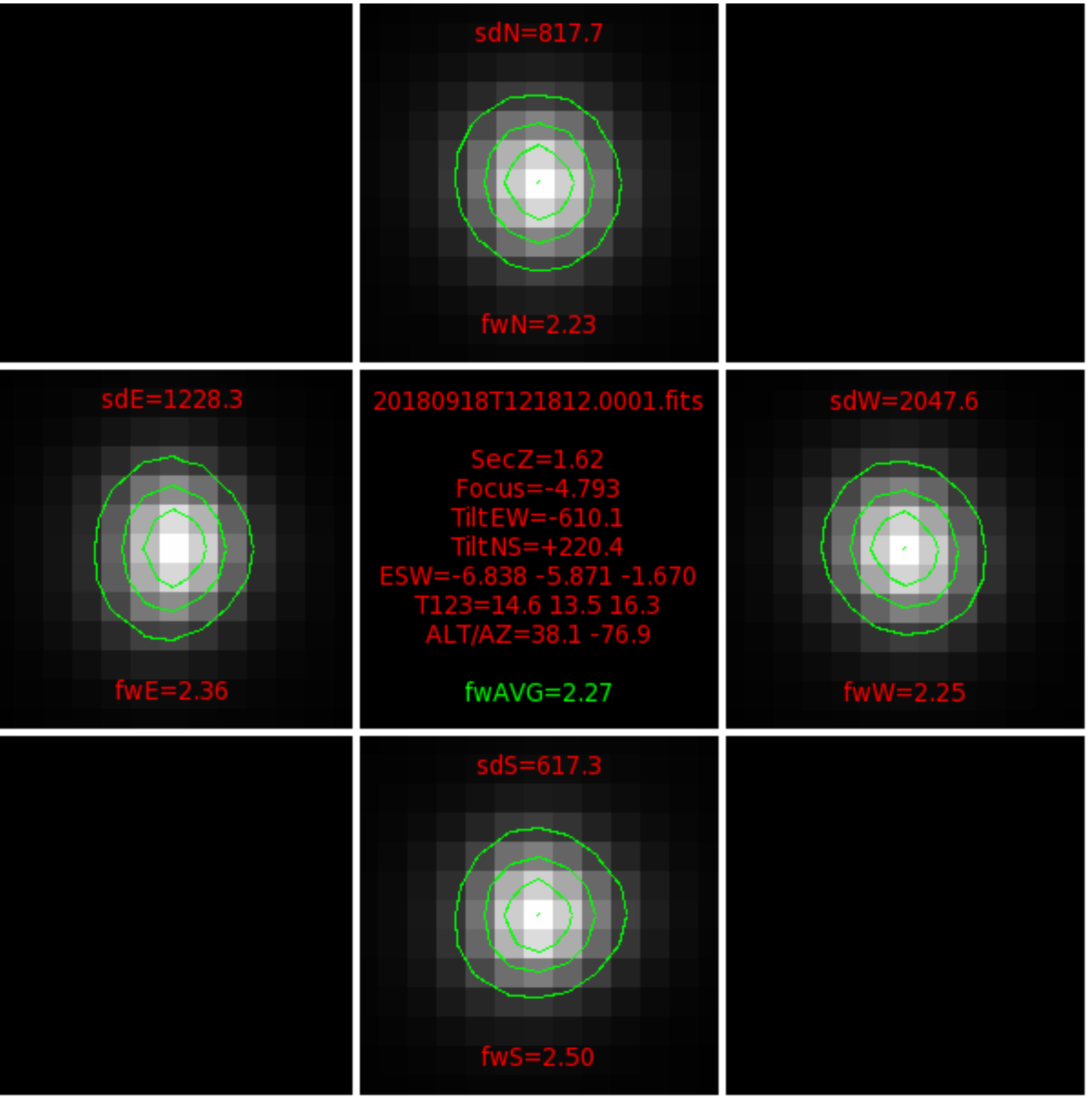
sdN=817.7
fwN=2.23
sdE=1228.3
fwE=2.36
20180918T121812.0001.fits
SecZ=1.62
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=14.6 13.5 16.3
ALT/AZ=38.1 -76.9
fwAVG=2.27
sdW=2047.6
fwW=2.25
sdS=617.3
fwS=2.50
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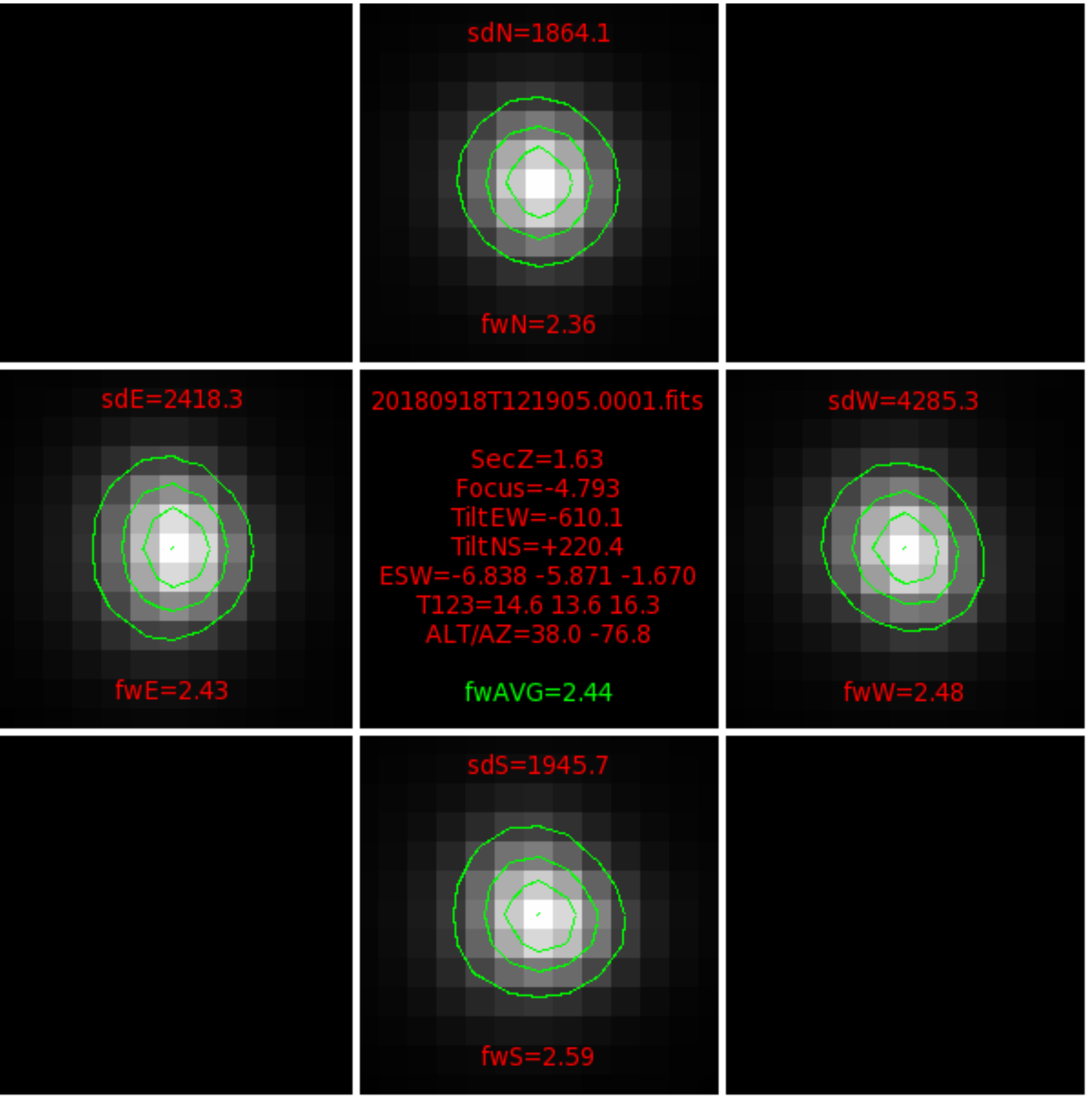
sdN=1864.1
fwN=2.36
sdE=2418.3
fwE=2.43
20180918T121905.0001.fits
SecZ=1.63
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=14.6 13.6 16.3
ALT/AZ=38.0 -76.8
fwAVG=2.44
sdW=4285.3
fwW=2.48
sdS=1945.7
fwS=2.59
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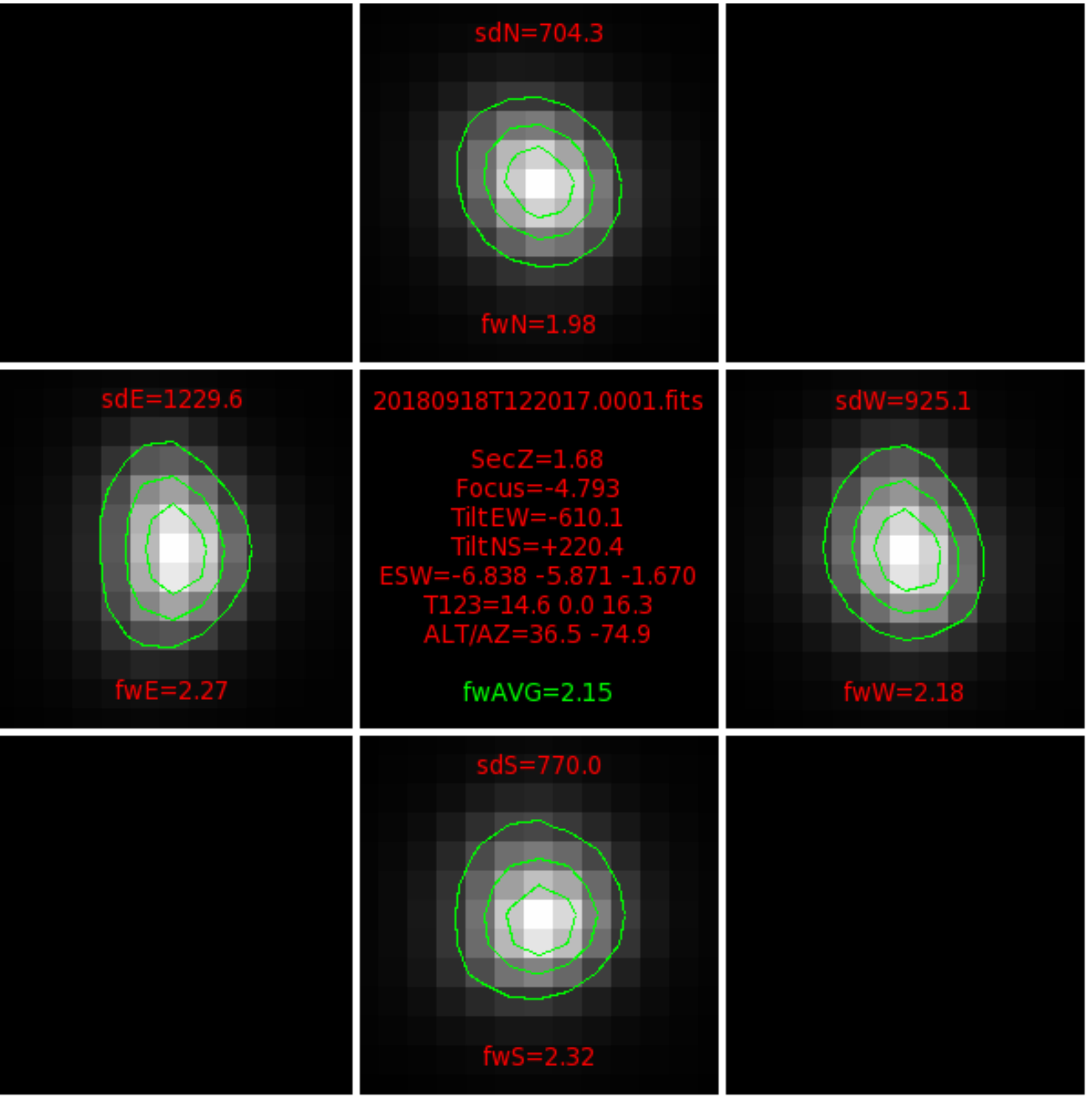
sdN=704.3
fwN=1.98
sdE=1229.6
fwE=2.27
20180918T122017.0001.fits
SecZ=1.68
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=14.6 0.0 16.3
ALT/AZ=36.5 -74.9
fwAVG=2.15
sdW=925.1
fwW=2.18
sdS=770.0
fwS=2.32
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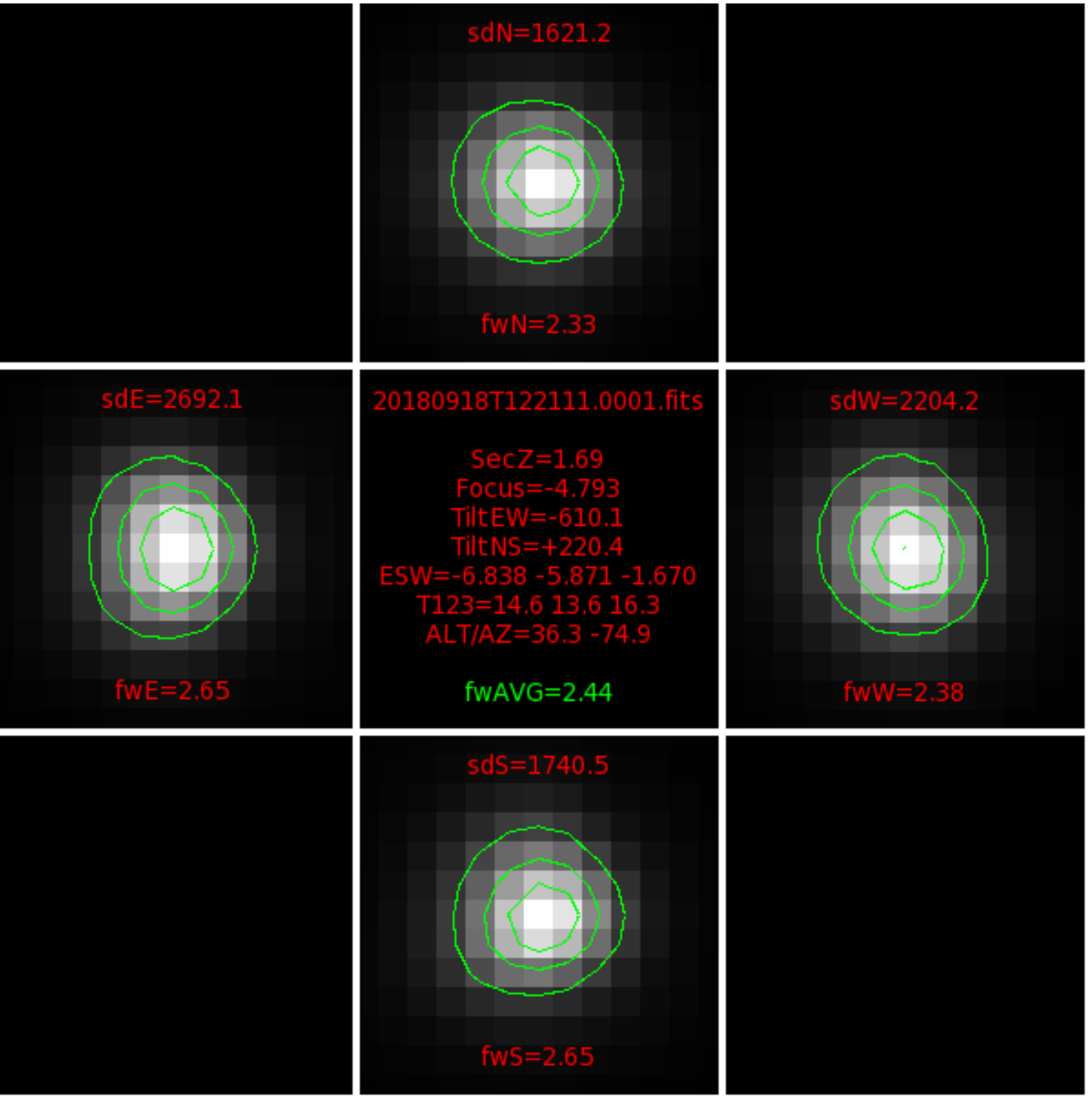
sdN=1621.2
fwN=2.33
sdE=2692.1
fwE=2.65
20180918T122111.0001.fits
SecZ=1.69
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=14.6 13.6 16.3
ALT/AZ=36.3 -74.9
fwAVG=2.44
sdW=2204.2
fwW=2.38
sdS=1740.5
fwS=2.65
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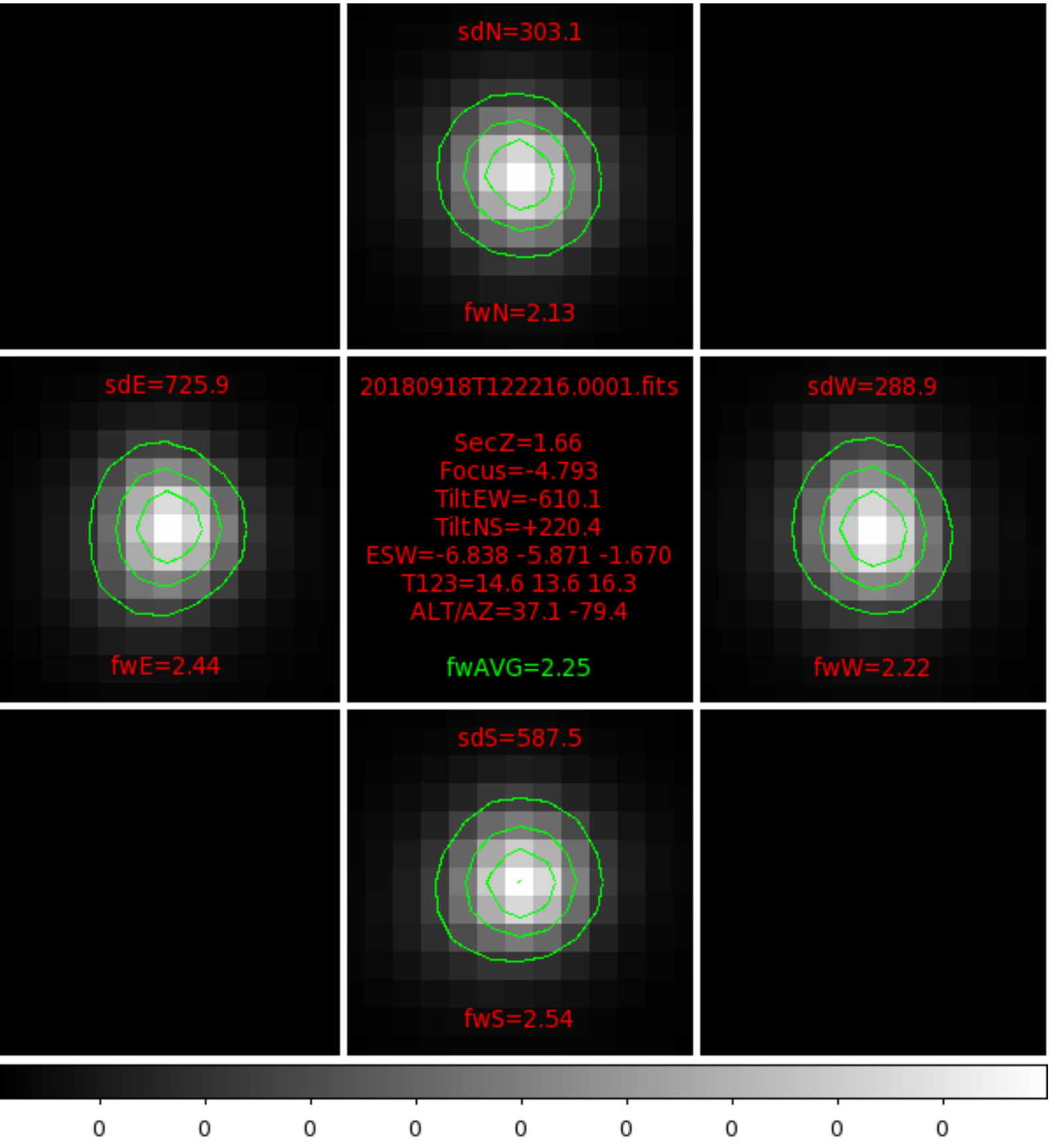
sdN=303.1
fwN=2.13
sdE=725.9
fwE=2.44
20180918T122216.0001.fits
SecZ=1.66
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=14.6 13.6 16.3
ALT/AZ=37.1 -79.4
fwAVG=2.25
sdW=288.9
fwW=2.22
sdS=587.5
fwS=2.54
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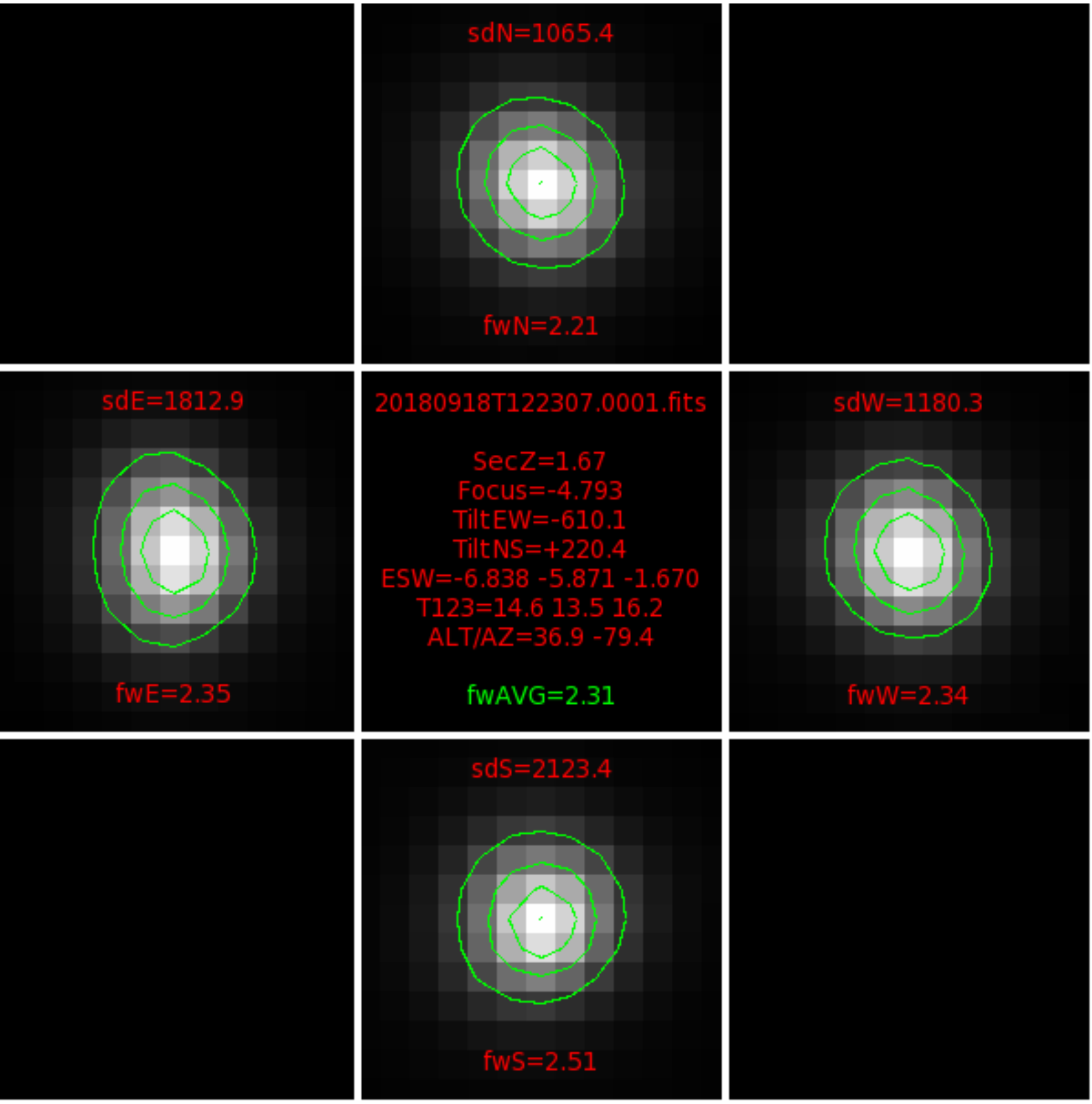
sdN=1065.4
fwN=2.21
sdE=1812.9
fwE=2.35
20180918T122307.0001.fits
SecZ=1.67
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=14.6 13.5 16.2
ALT/AZ=36.9 -79.4
fwAVG=2.31
sdW=1180.3
fwW=2.34
sdS=2123.4
fwS=2.51
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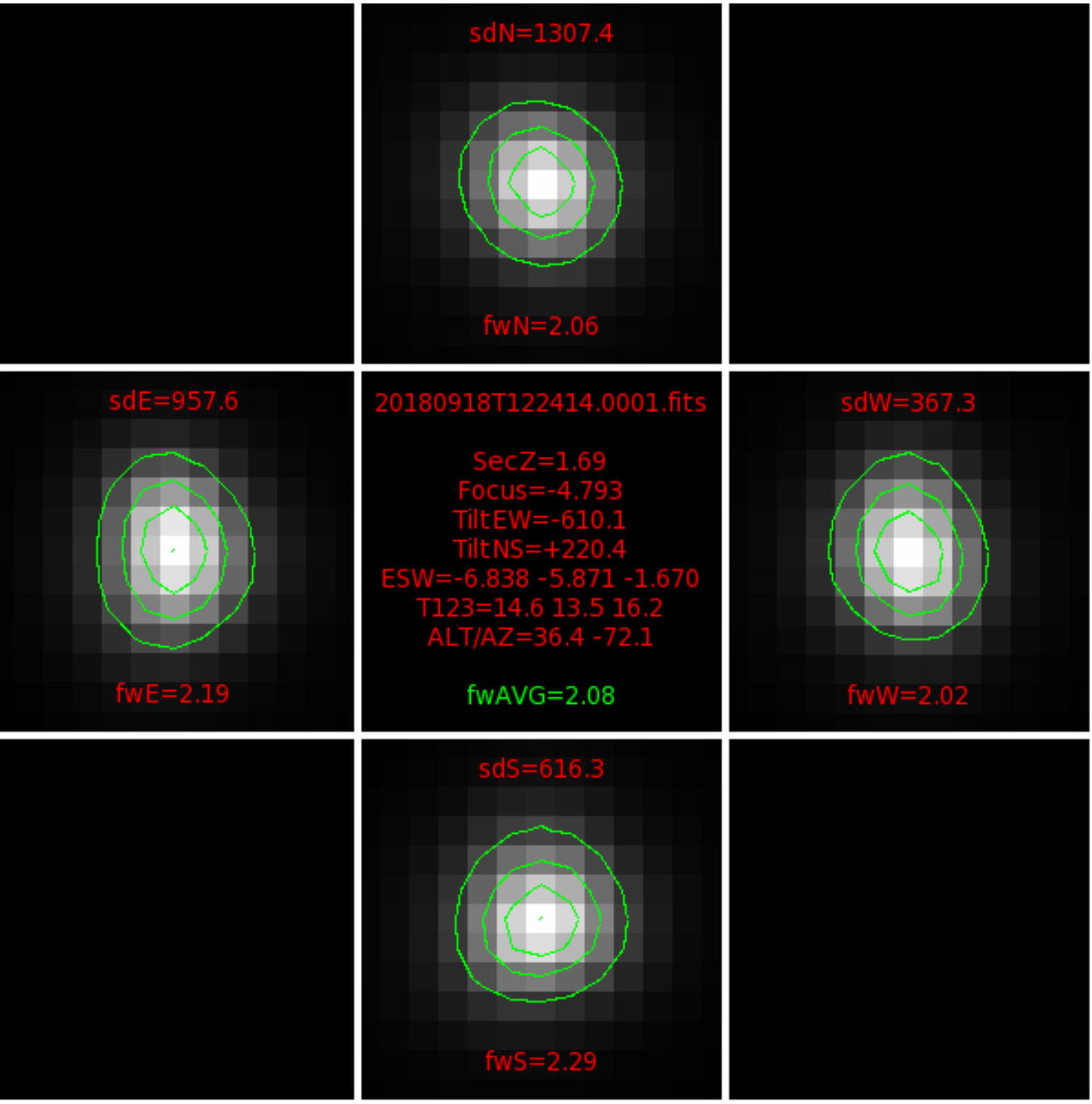
sdN=1307.4
fwN=2.06
sdE=957.6
fwE=2.19
20180918T122414.0001.fits
SecZ=1.69
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=14.6 13.5 16.2
ALT/AZ=36.4 -72.1
fwAVG=2.08
sdW=367.3
fwW=2.02
sdS=616.3
fwS=2.29
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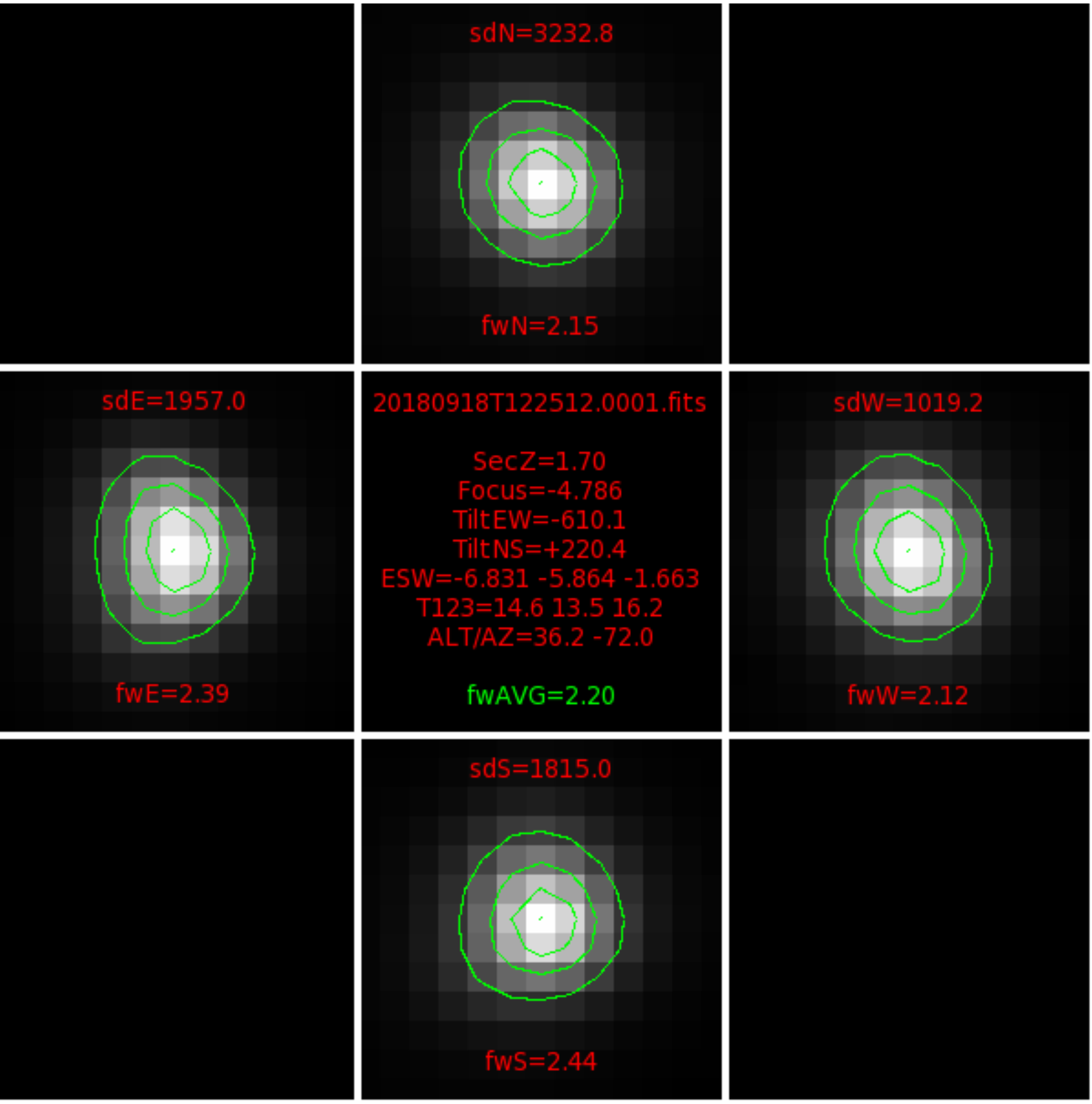
sdN=3232.8
fwN=2.15
sdE=1957.0
fwE=2.39
20180918T122512.0001.fits
SecZ=1.70
Focus=-4.786
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.831 -5.864 -1.663
T123=14.6 13.5 16.2
ALT/AZ=36.2 -72.0
fwAVG=2.20
sdW=1019.2
fwW=2.12
sdS=1815.0
fwS=2.44
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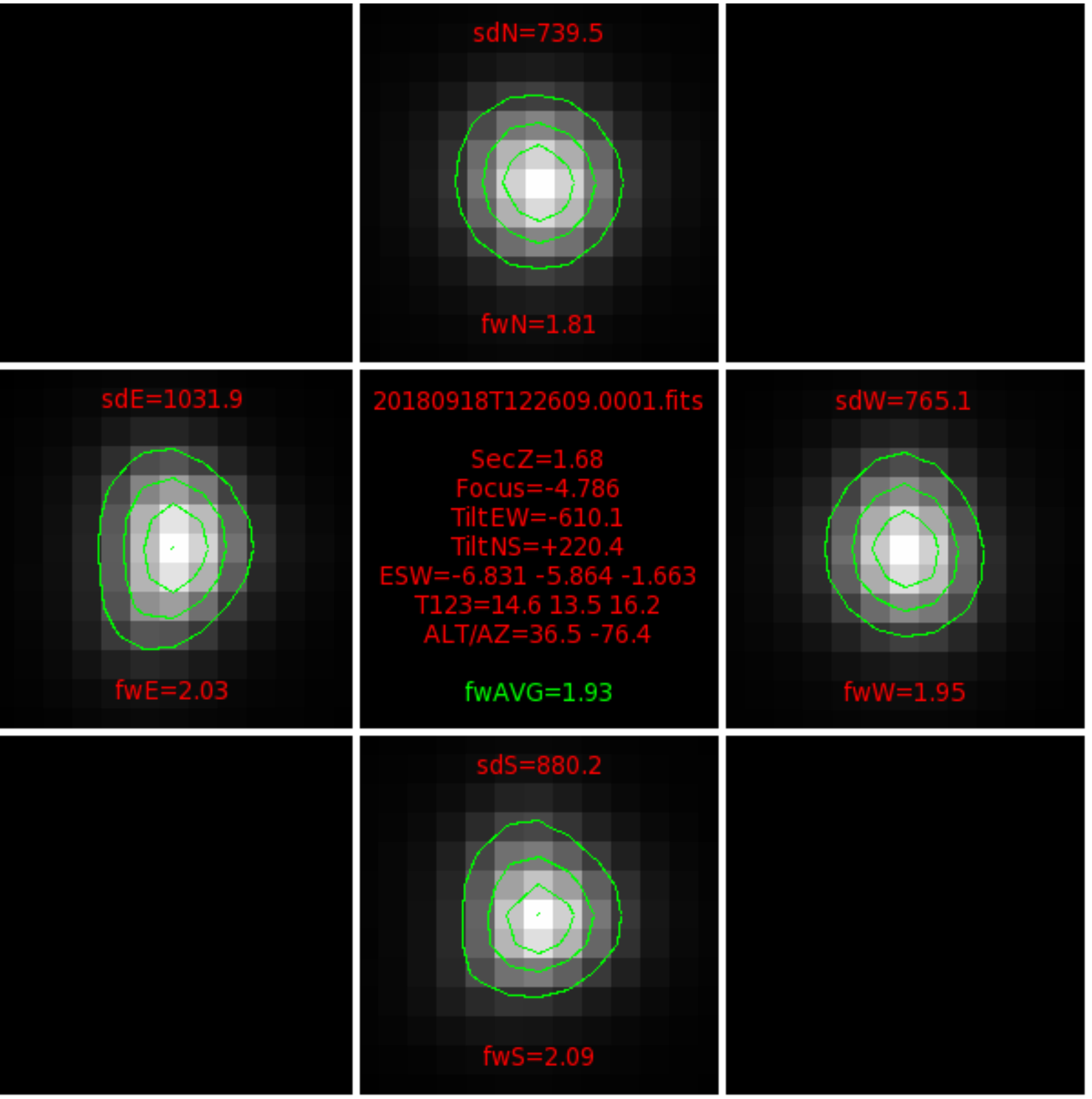
sdN=739.5
fwN=1.81
sdE=1031.9
fwE=2.03
20180918T122609.0001.fits
SecZ=1.68
Focus=-4.786
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.831 -5.864 -1.663
T123=14.6 13.5 16.2
ALT/AZ=36.5 -76.4
fwAVG=1.93
sdW=765.1
fwW=1.95
sdS=880.2
fwS=2.09
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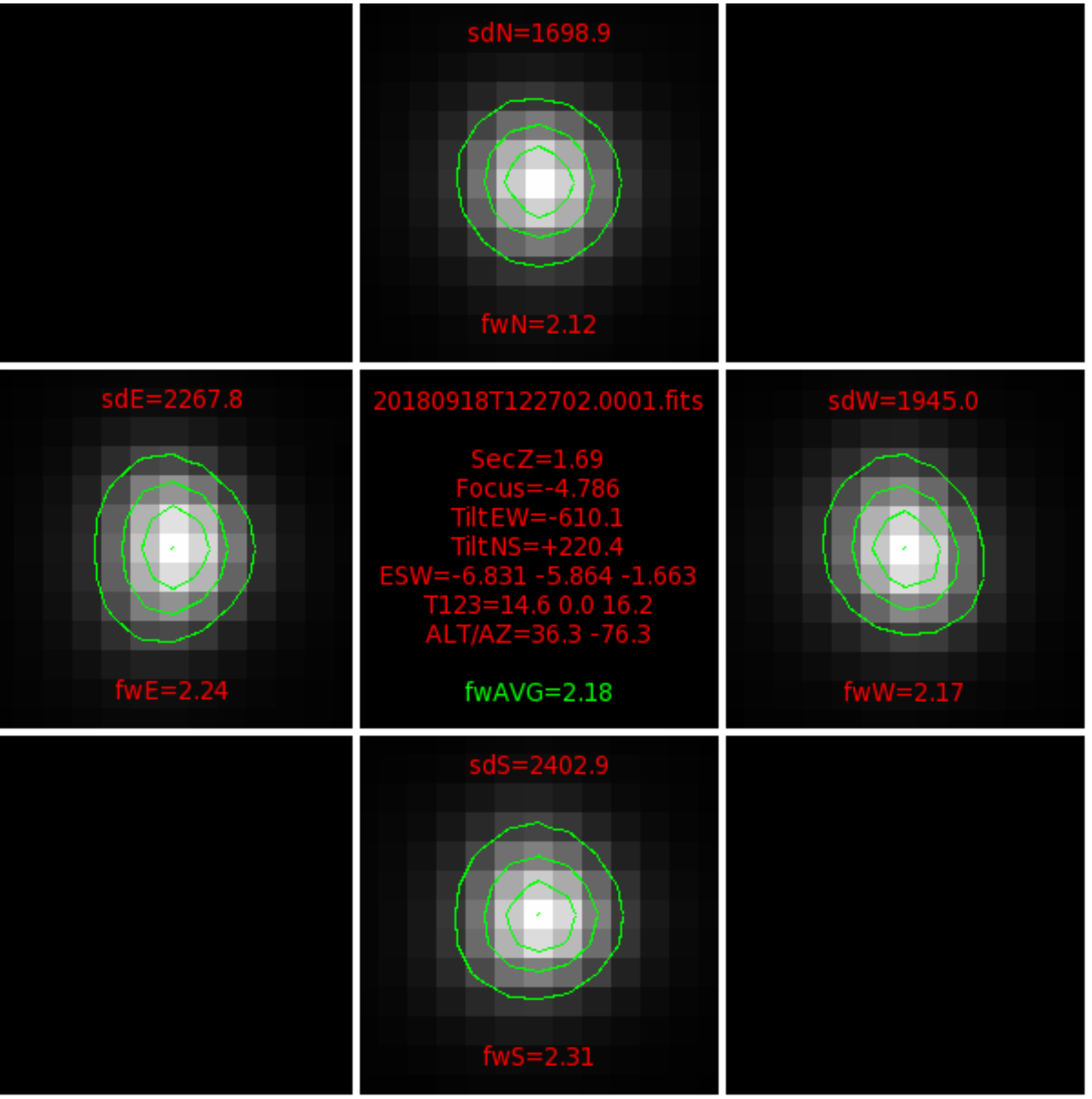
sdN=1698.9
fwN=2.12
sdE=2267.8
fwE=2.24
20180918T122702.0001.fits
SecZ=1.69
Focus=-4.786
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.831 -5.864 -1.663
T123=14.6 0.0 16.2
ALT/AZ=36.3 -76.3
fwAVG=2.18
sdW=1945.0
fwW=2.17
sdS=2402.9
fwS=2.31
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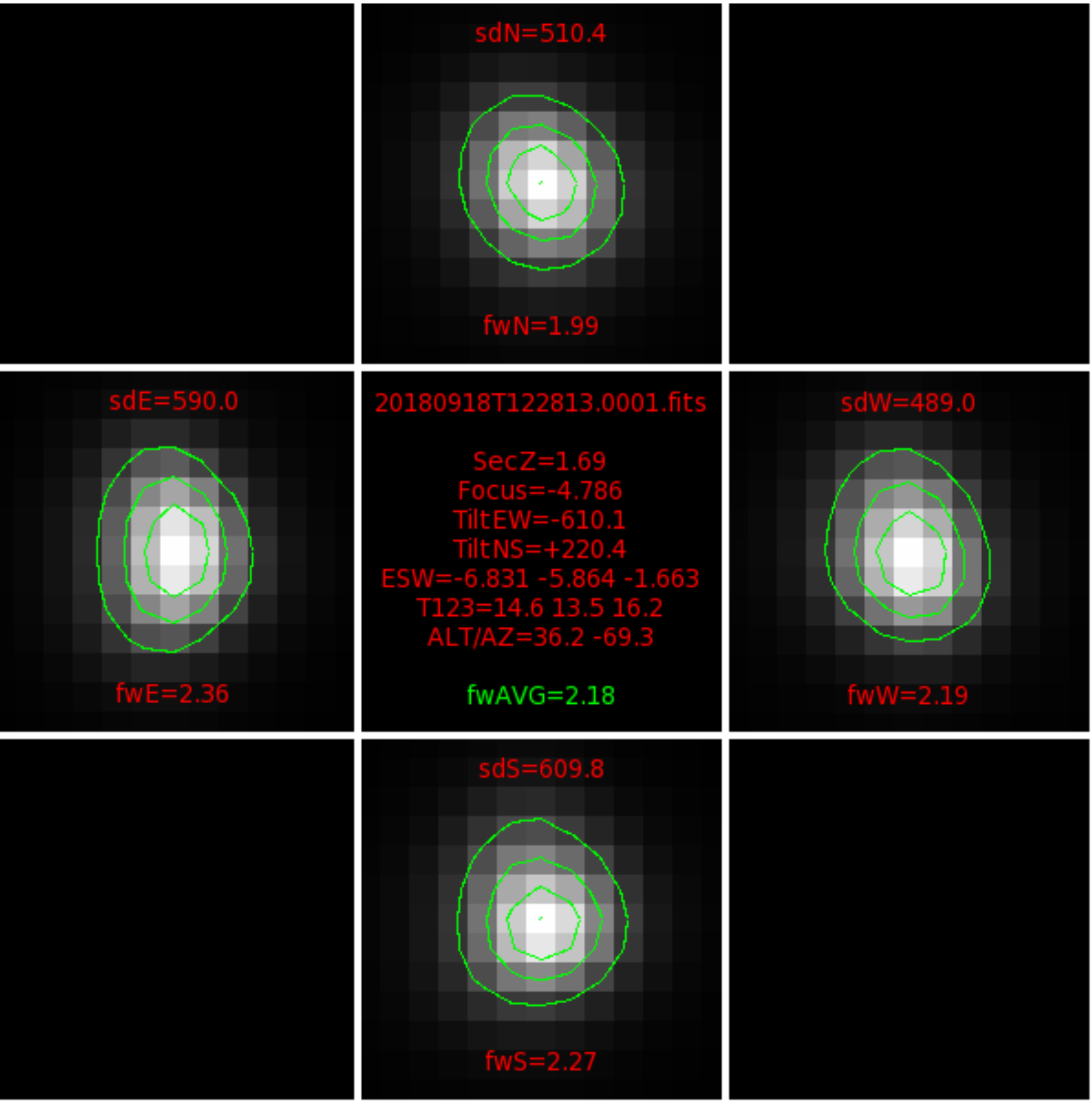
sdN=510.4
fwN=1.99
sdE=590.0
fwE=2.36
20180918T122813.0001.fits
SecZ=1.69
Focus=-4.786
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.831 -5.864 -1.663
T123=14.6 13.5 16.2
ALT/AZ=36.2 -69.3
fwAVG=2.18
sdW=489.0
fwW=2.19
sdS=609.8
fwS=2.27
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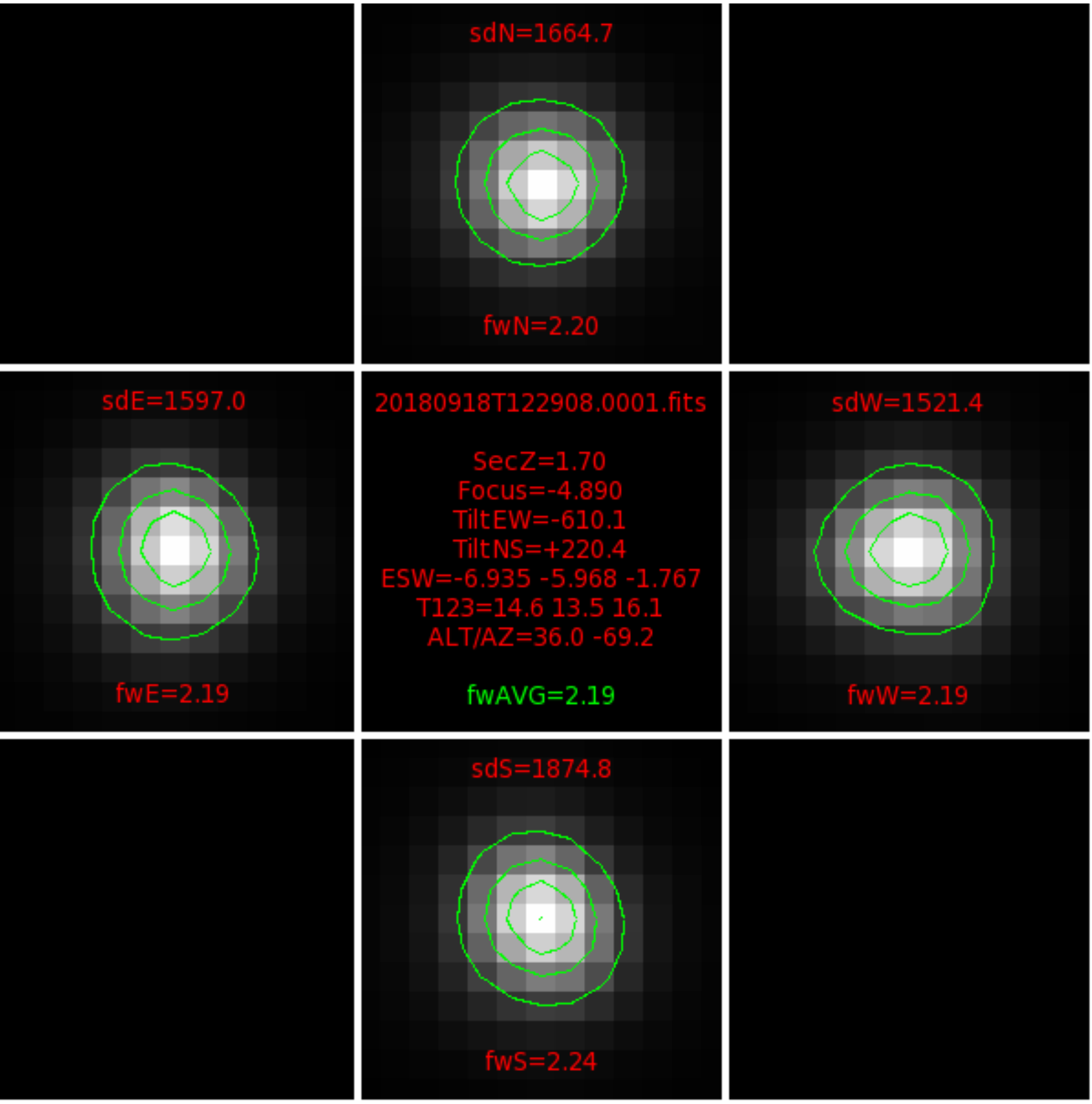
sdN=1664.7
fwN=2.20
sdE=1597.0
fwE=2.19
20180918T122908.0001.fits
SecZ=1.70
Focus=-4.890
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.935 -5.968 -1.767
T123=14.6 13.5 16.1
ALT/AZ=36.0 -69.2
fwAVG=2.19
sdW=1521.4
fwW=2.19
sdS=1874.8
fwS=2.24
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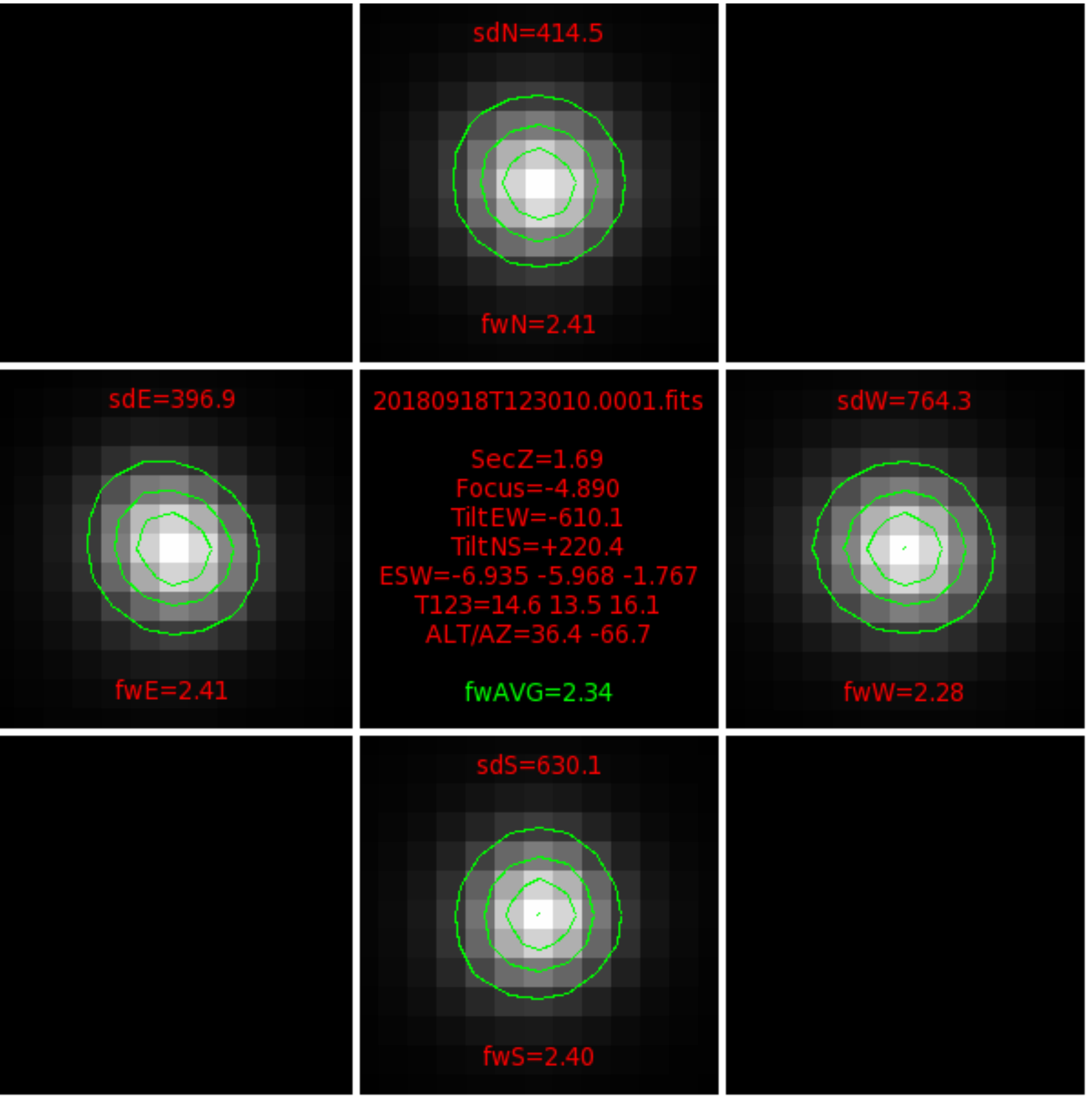
sdN=414.5
fwN=2.41
sdE=396.9
fwE=2.41
20180918T123010.0001.fits
SecZ=1.69
Focus=-4.890
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.935 -5.968 -1.767
T123=14.6 13.5 16.1
ALT/AZ=36.4 -66.7
fwAVG=2.34
sdW=764.3
fwW=2.28
sdS=630.1
fwS=2.40
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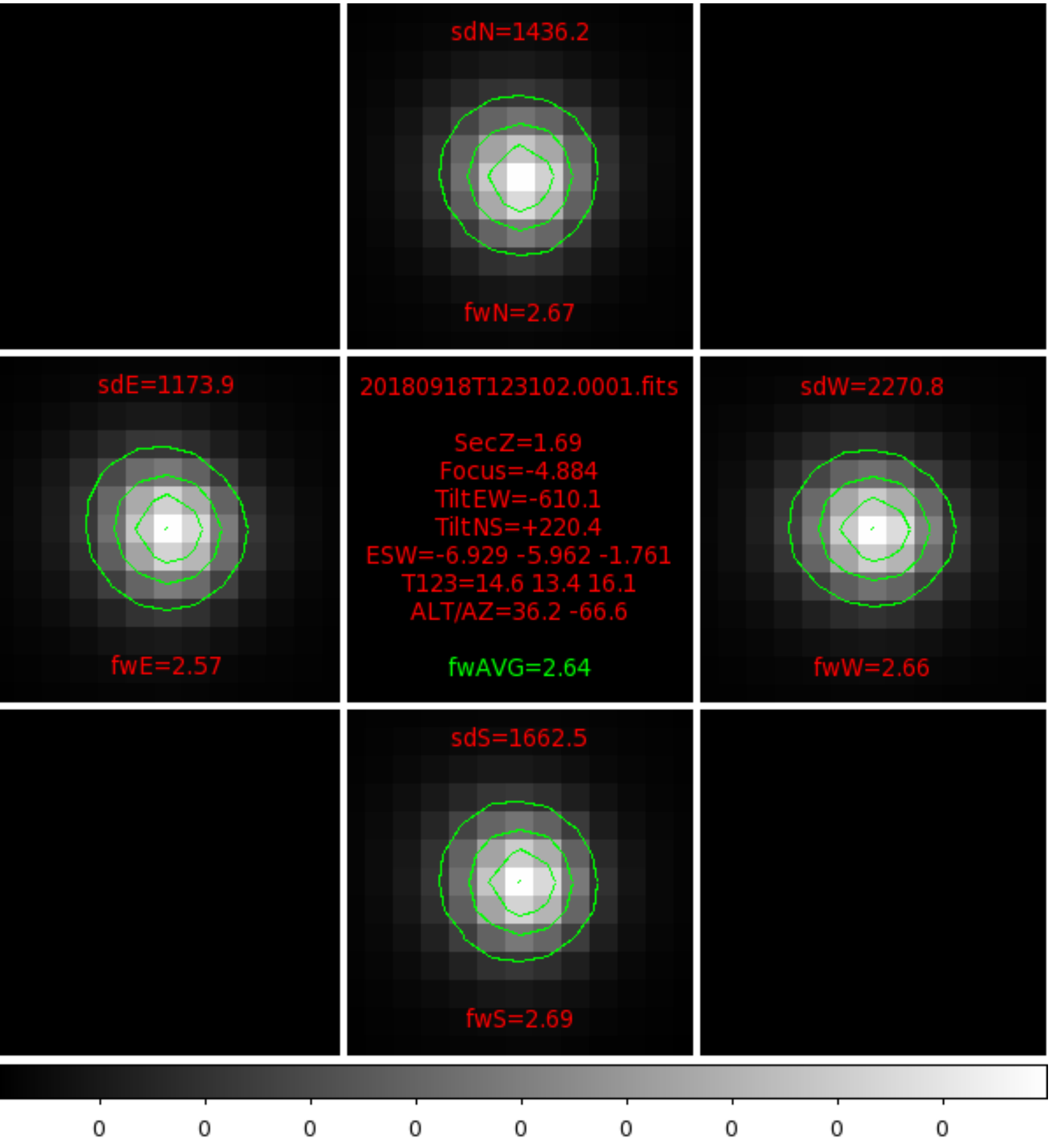
sdN=1436.2
fwN=2.67
sdE=1173.9
fwE=2.57
20180918T123102.0001.fits
SecZ=1.69
Focus=-4.884
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.929 -5.962 -1.761
T123=14.6 13.4 16.1
ALT/AZ=36.2 -66.6
fwAVG=2.64
sdW=2270.8
fwW=2.66
sdS=1662.5
fwS=2.69
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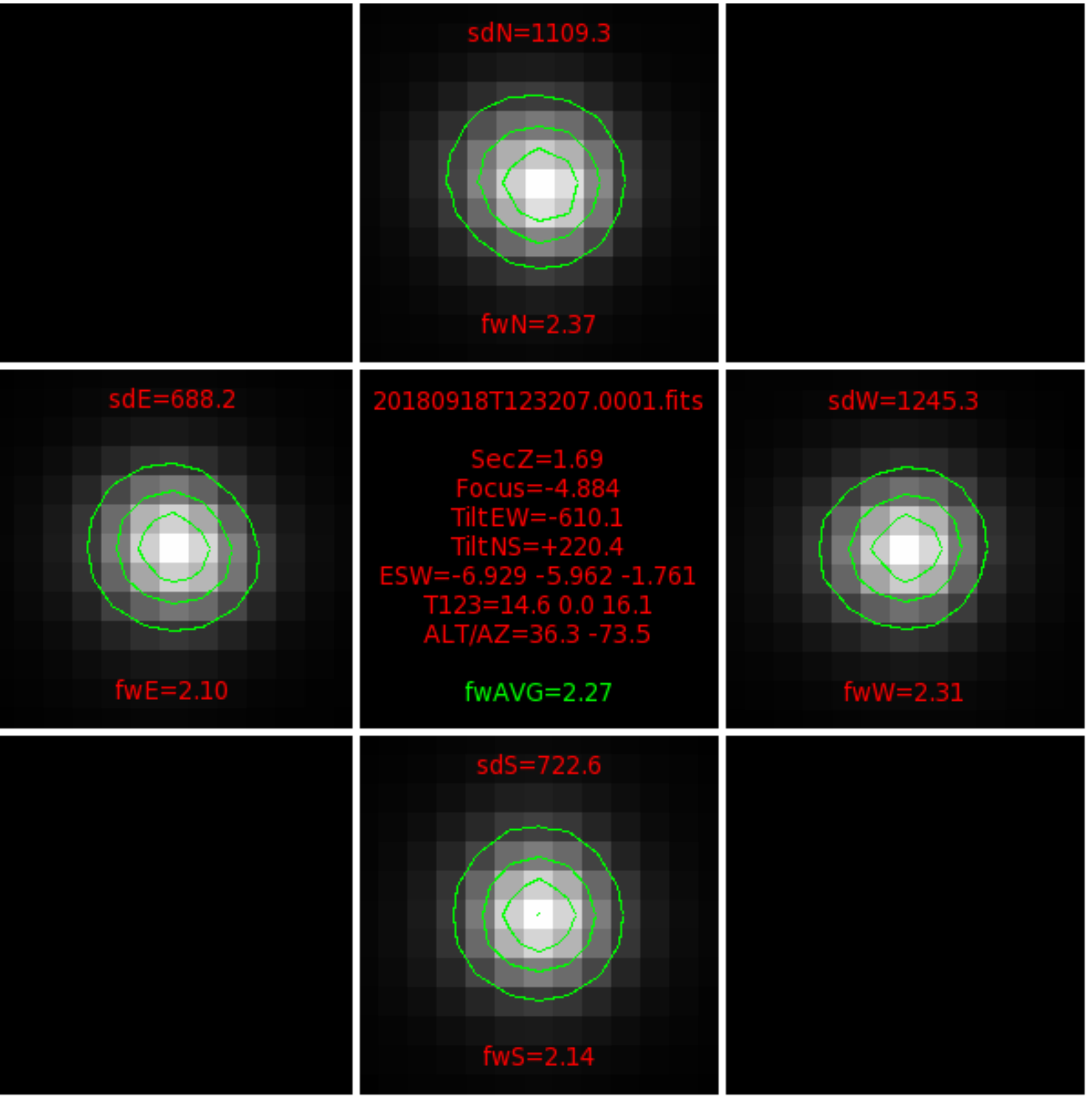
sdN=1109.3
fwN=2.37
sdE=688.2
fwE=2.10
20180918T123207.0001.fits
SecZ=1.69
Focus=-4.884
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.929 -5.962 -1.761
T123=14.6 0.0 16.1
ALT/AZ=36.3 -73.5
fwAVG=2.27
sdW=1245.3
fwW=2.31
sdS=722.6
fwS=2.14
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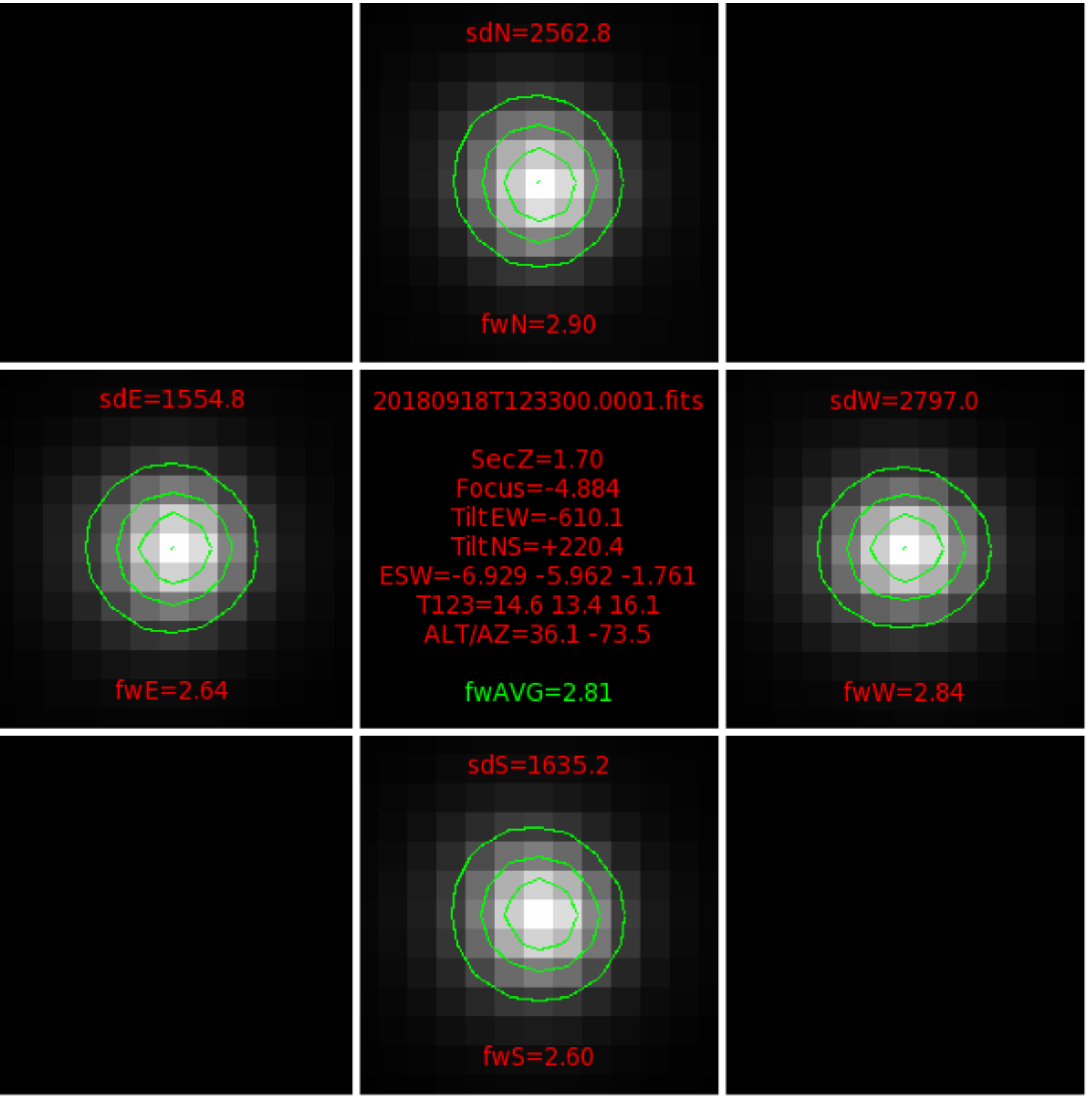
sdN=2562.8
fwN=2.90
sdE=1554.8
fwE=2.64
20180918T123300.0001.fits
SecZ=1.70
Focus=-4.884
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.929 -5.962 -1.761
T123=14.6 13.4 16.1
ALT/AZ=36.1 -73.5
fwAVG=2.81
sdW=2797.0
fwW=2.84
sdS=1635.2
fwS=2.60
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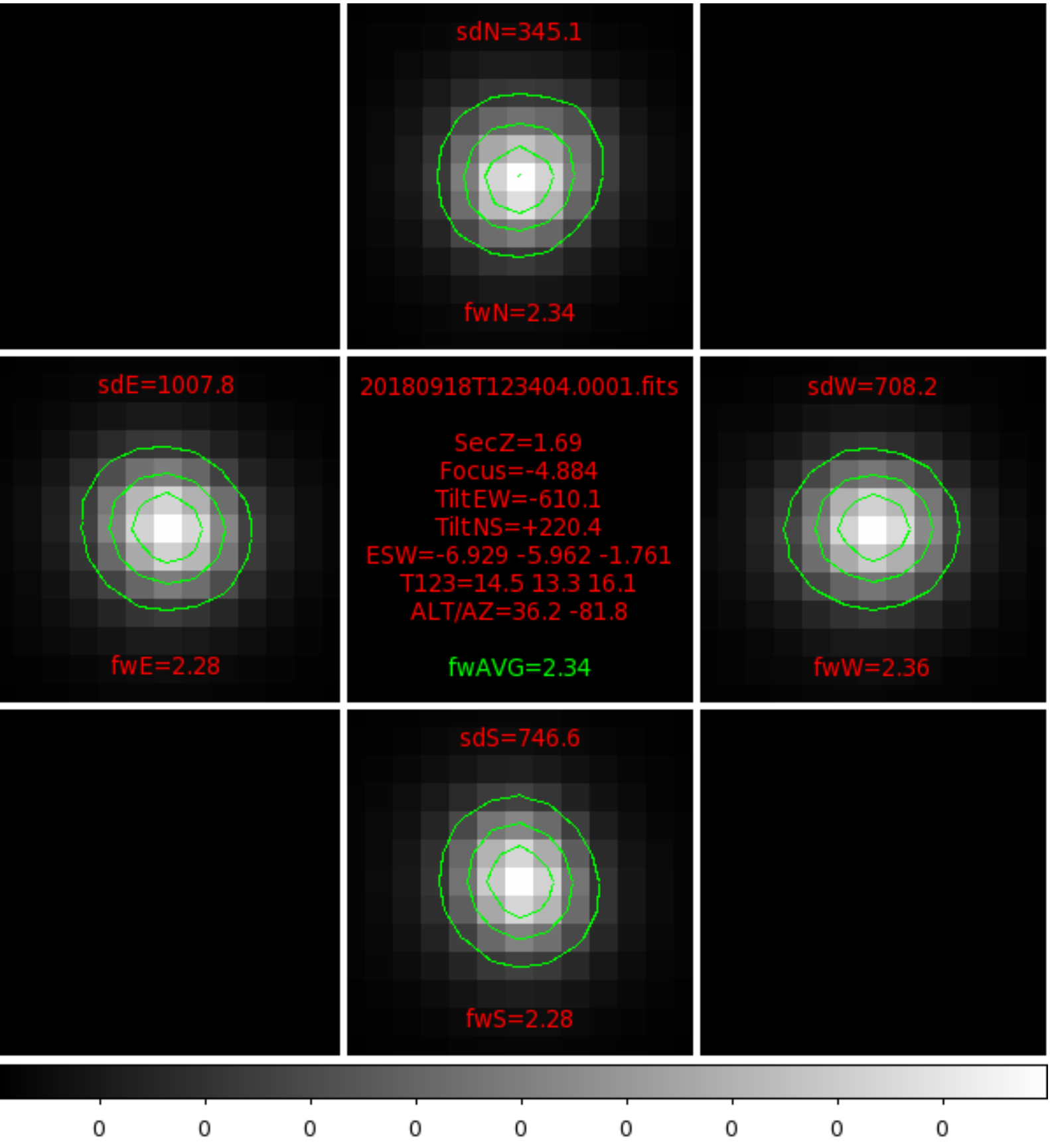
sdN=345.1
fwN=2.34
sdE=1007.8
fwE=2.28
20180918T123404.0001.fits
SecZ=1.69
Focus=-4.884
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.929 -5.962 -1.761
T123=14.5 13.3 16.1
ALT/AZ=36.2 -81.8
fwAVG=2.34
sdW=708.2
fwW=2.36
sdS=746.6
fwS=2.28
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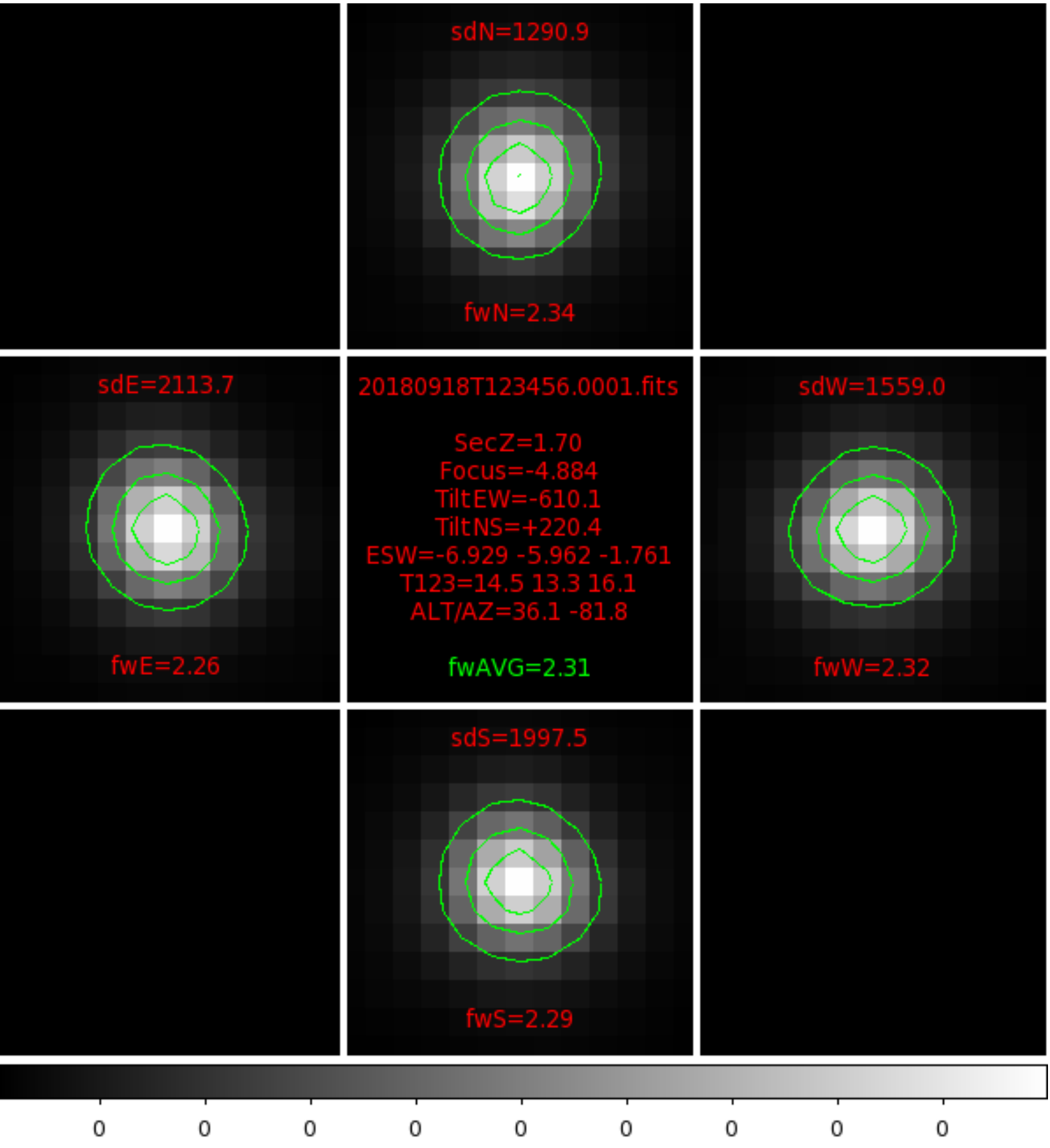
sdN=1290.9
fwN=2.34
sdE=2113.7
fwE=2.26
20180918T123456.0001.fits
SecZ=1.70
Focus=-4.884
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.929 -5.962 -1.761
T123=14.5 13.3 16.1
ALT/AZ=36.1 -81.8
fwAVG=2.31
sdW=1559.0
fwW=2.32
sdS=1997.5
fwS=2.29
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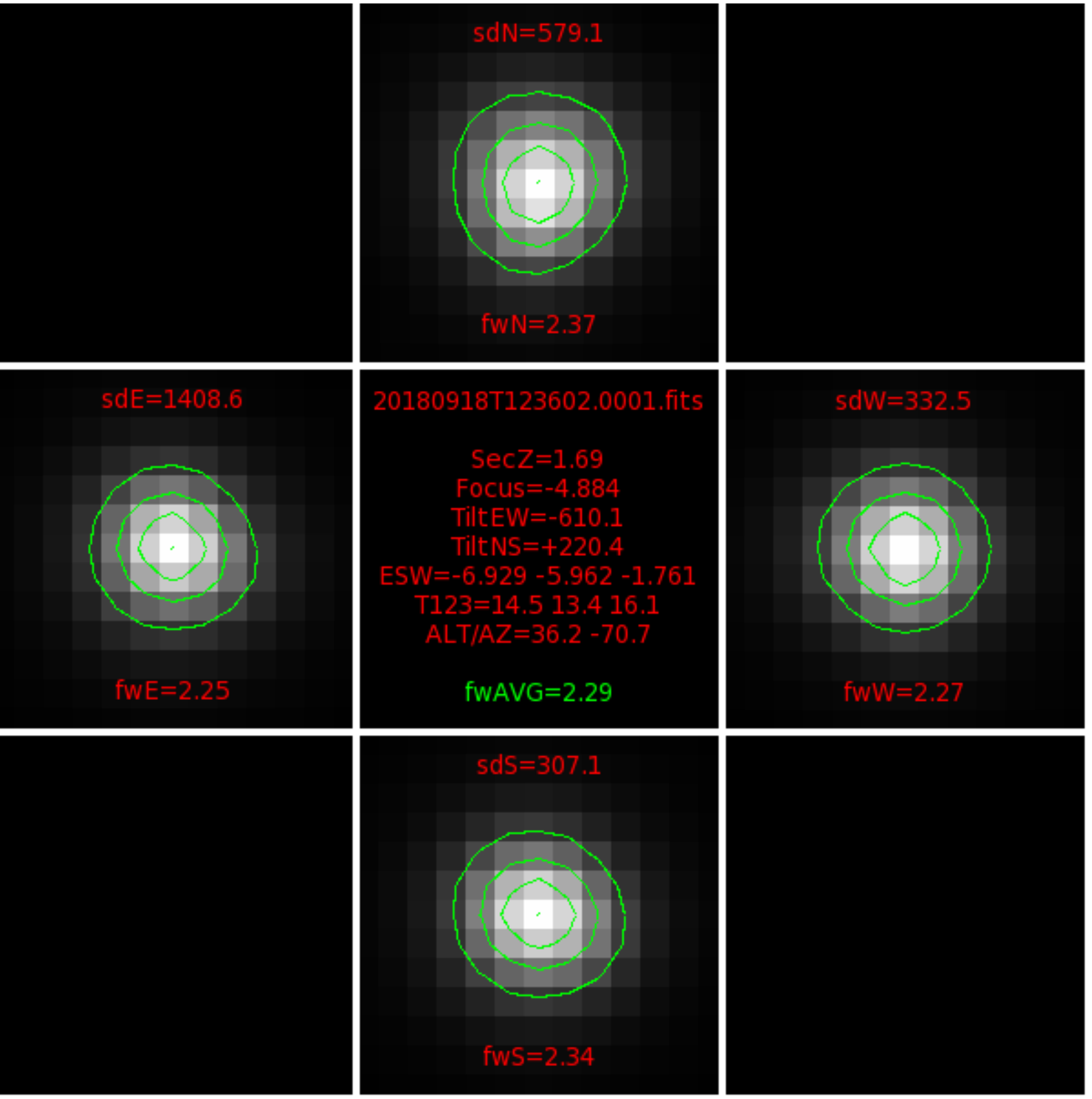
sdN=579.1
fwN=2.37
sdE=1408.6
fwE=2.25
20180918T123602.0001.fits
SecZ=1.69
Focus=-4.884
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.929 -5.962 -1.761
T123=14.5 13.4 16.1
ALT/AZ=36.2 -70.7
fwAVG=2.29
sdW=332.5
fwW=2.27
sdS=307.1
fwS=2.34
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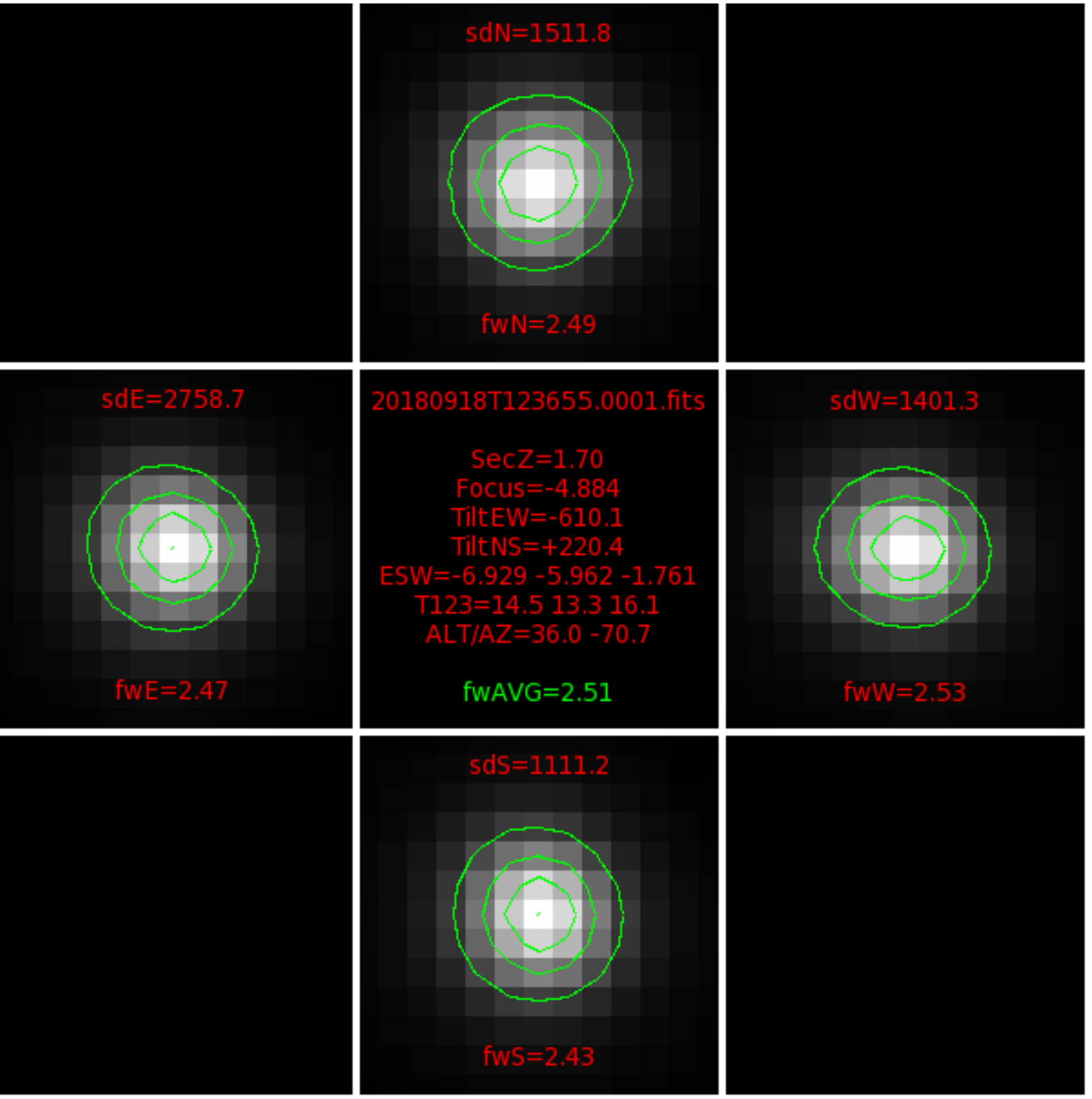
sdN=1511.8
fwN=2.49
sdE=2758.7
fwE=2.47
20180918T123655.0001.fits
SecZ=1.70
Focus=-4.884
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.929 -5.962 -1.761
T123=14.5 13.3 16.1
ALT/AZ=36.0 -70.7
fwAVG=2.51
sdW=1401.3
fwW=2.53
sdS=1111.2
fwS=2.43
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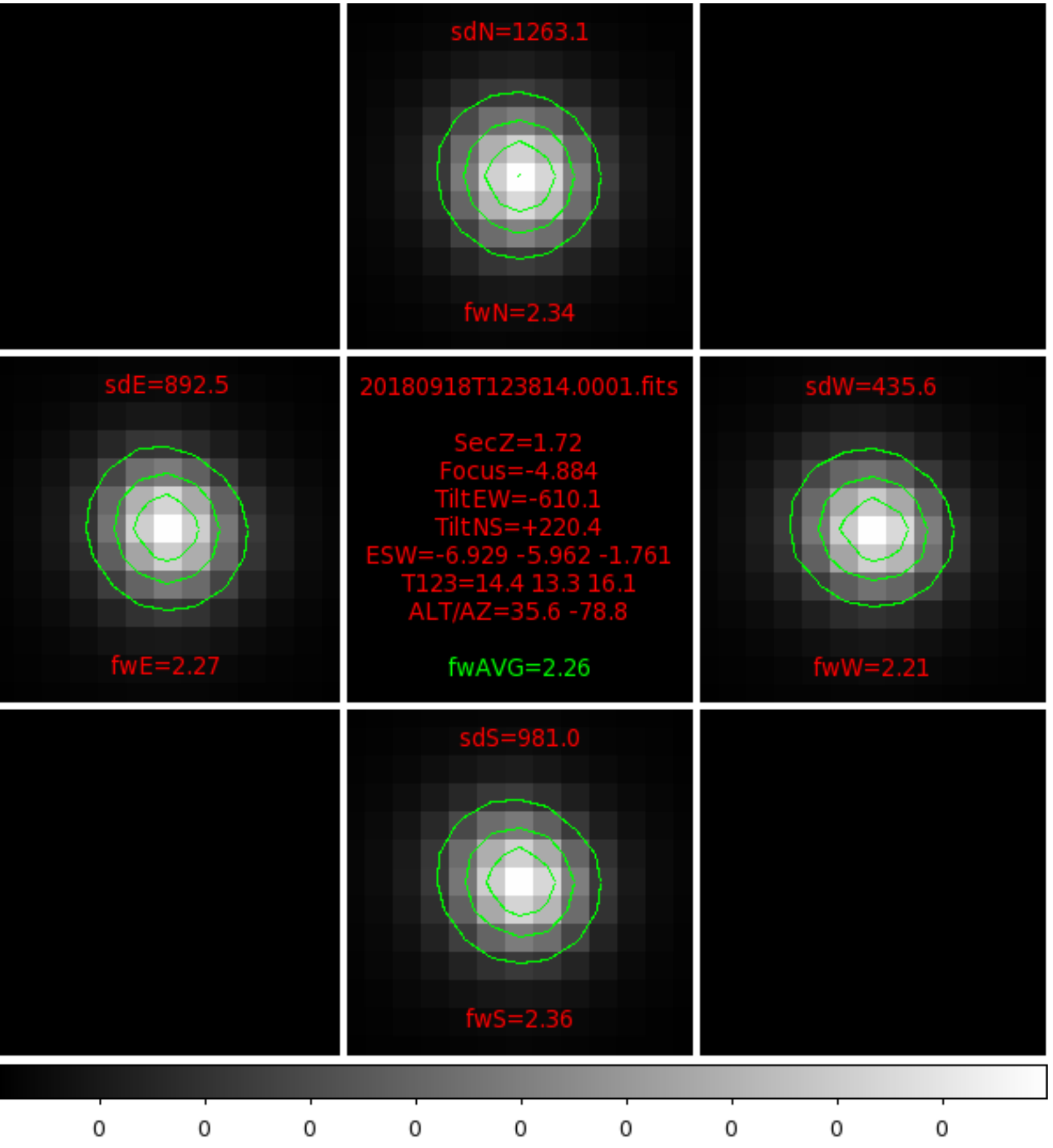
sdN=1263.1
fwN=2.34
sdE=892.5
fwE=2.27
20180918T123814.0001.fits
SecZ=1.72
Focus=-4.884
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.929 -5.962 -1.761
T123=14.4 13.3 16.1
ALT/AZ=35.6 -78.8
fwAVG=2.26
sdW=435.6
fwW=2.21
sdS=981.0
fwS=2.36
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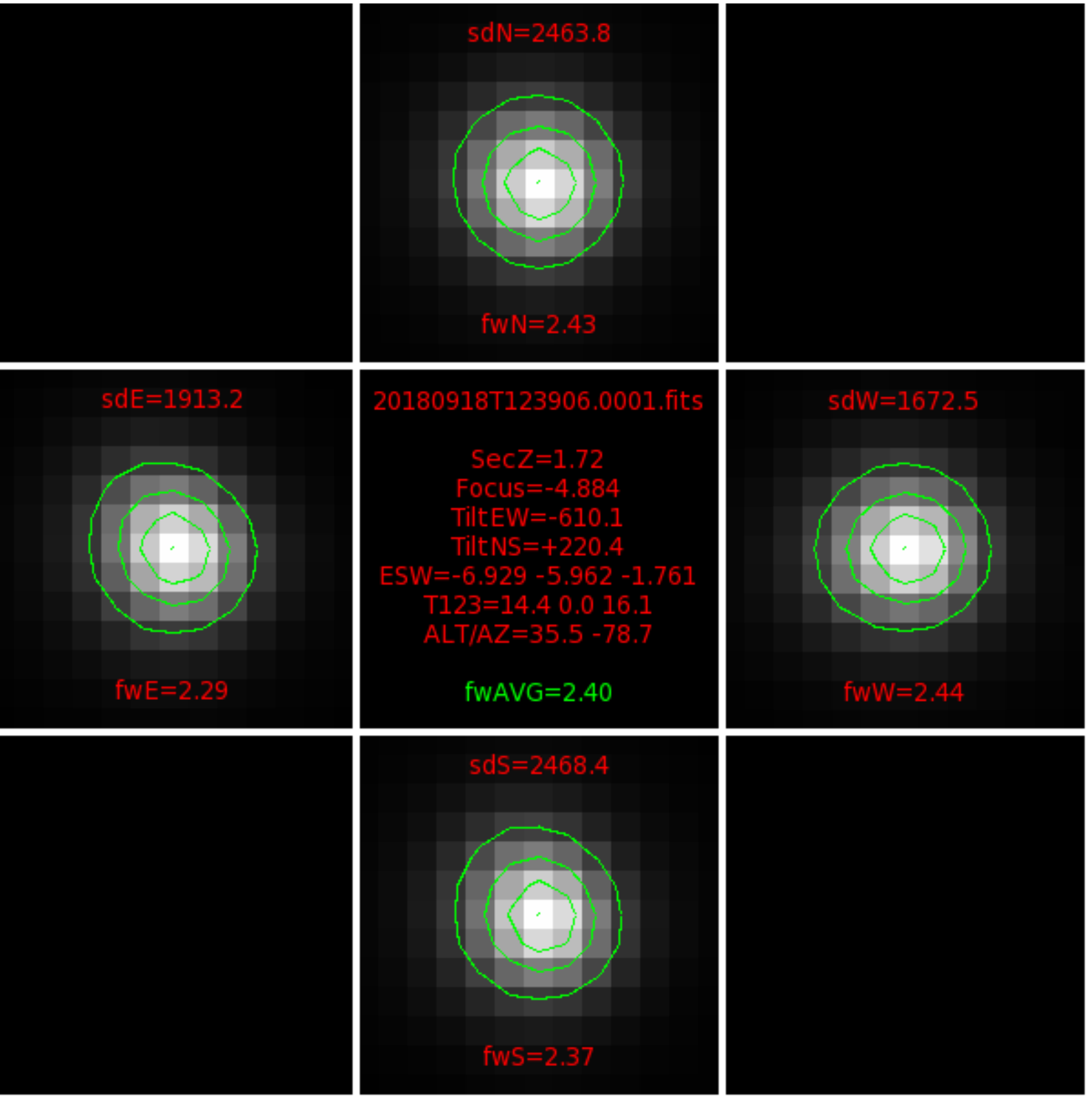
sdN=2463.8
fwN=2.43
sdE=1913.2
fwE=2.29
20180918T123906.0001.fits
SecZ=1.72
Focus=-4.884
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.929 -5.962 -1.761
T123=14.4 0.0 16.1
ALT/AZ=35.5 -78.7
fwAVG=2.40
sdW=1672.5
fwW=2.44
sdS=2468.4
fwS=2.37
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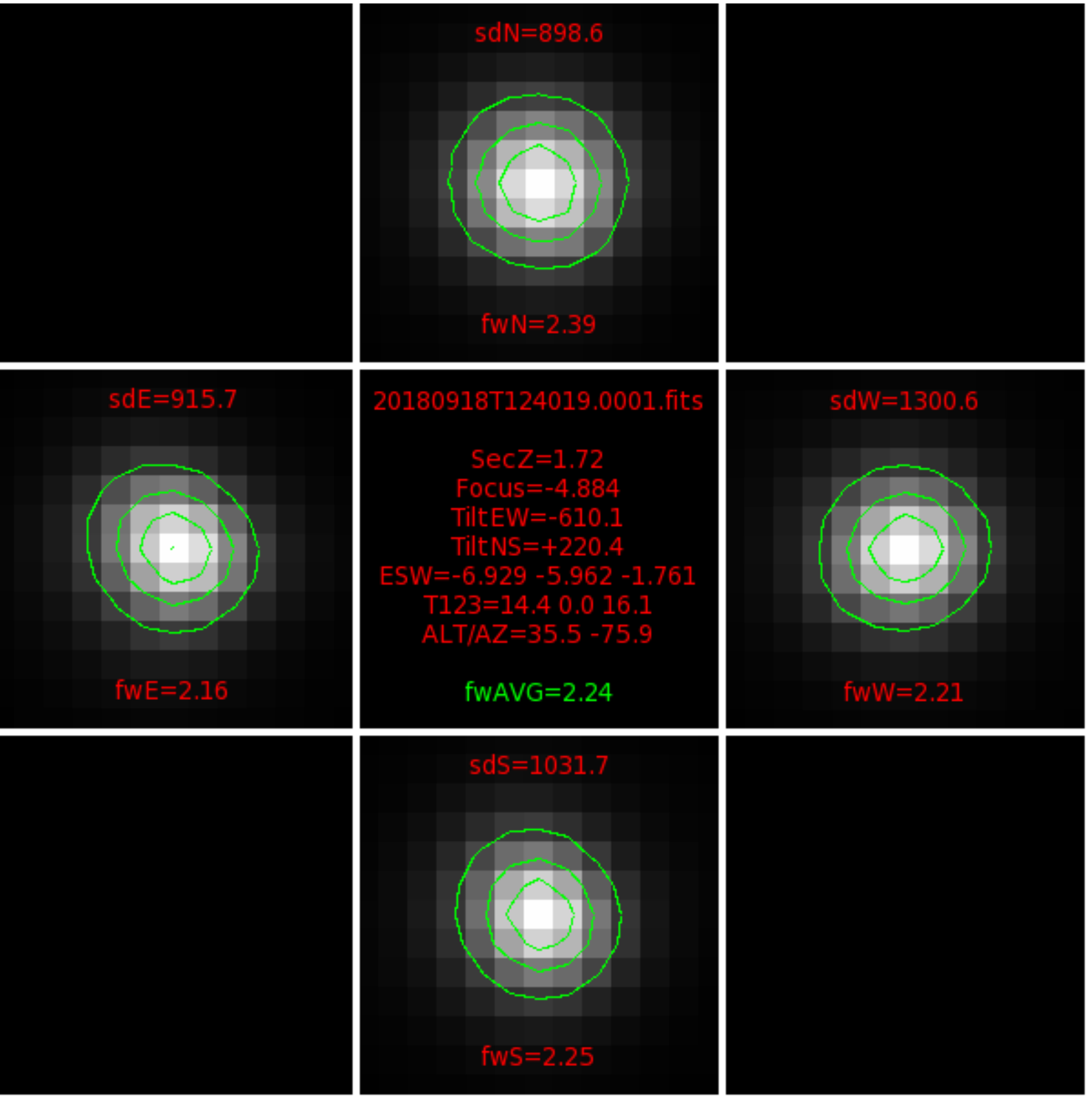
sdN=898.6
fwN=2.39
sdE=915.7
fwE=2.16
20180918T124019.0001.fits
SecZ=1.72
Focus=-4.884
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.929 -5.962 -1.761
T123=14.4 0.0 16.1
ALT/AZ=35.5 -75.9
fwAVG=2.24
sdW=1300.6
fwW=2.21
sdS=1031.7
fwS=2.25
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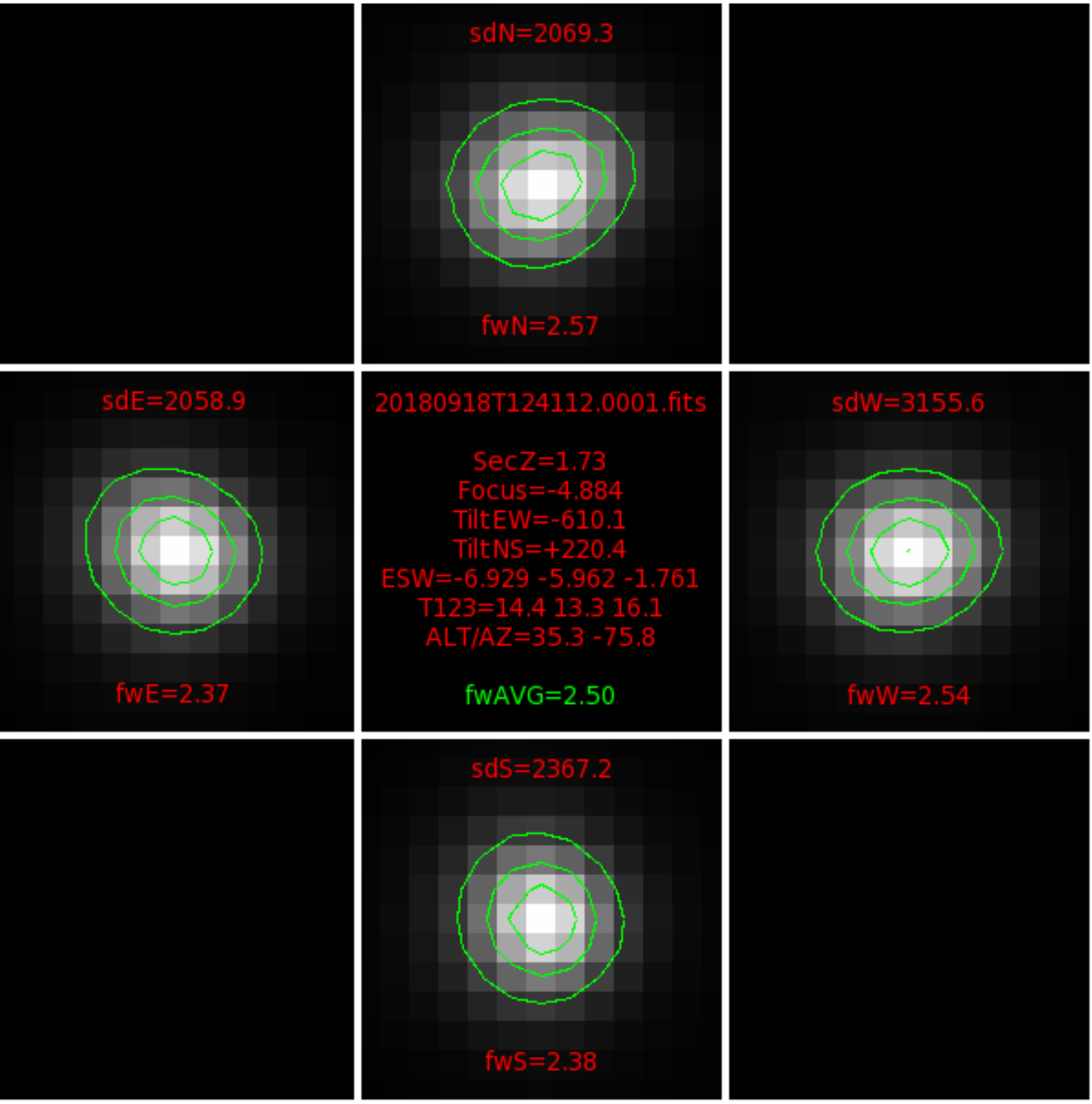
sdN=2069.3
fwN=2.57
sdE=2058.9
fwE=2.37
20180918T124112.0001.fits
SecZ=1.73
Focus=-4.884
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.929 -5.962 -1.761
T123=14.4 13.3 16.1
ALT/AZ=35.3 -75.8
fwAVG=2.50
sdW=3155.6
fwW=2.54
sdS=2367.2
fwS=2.38
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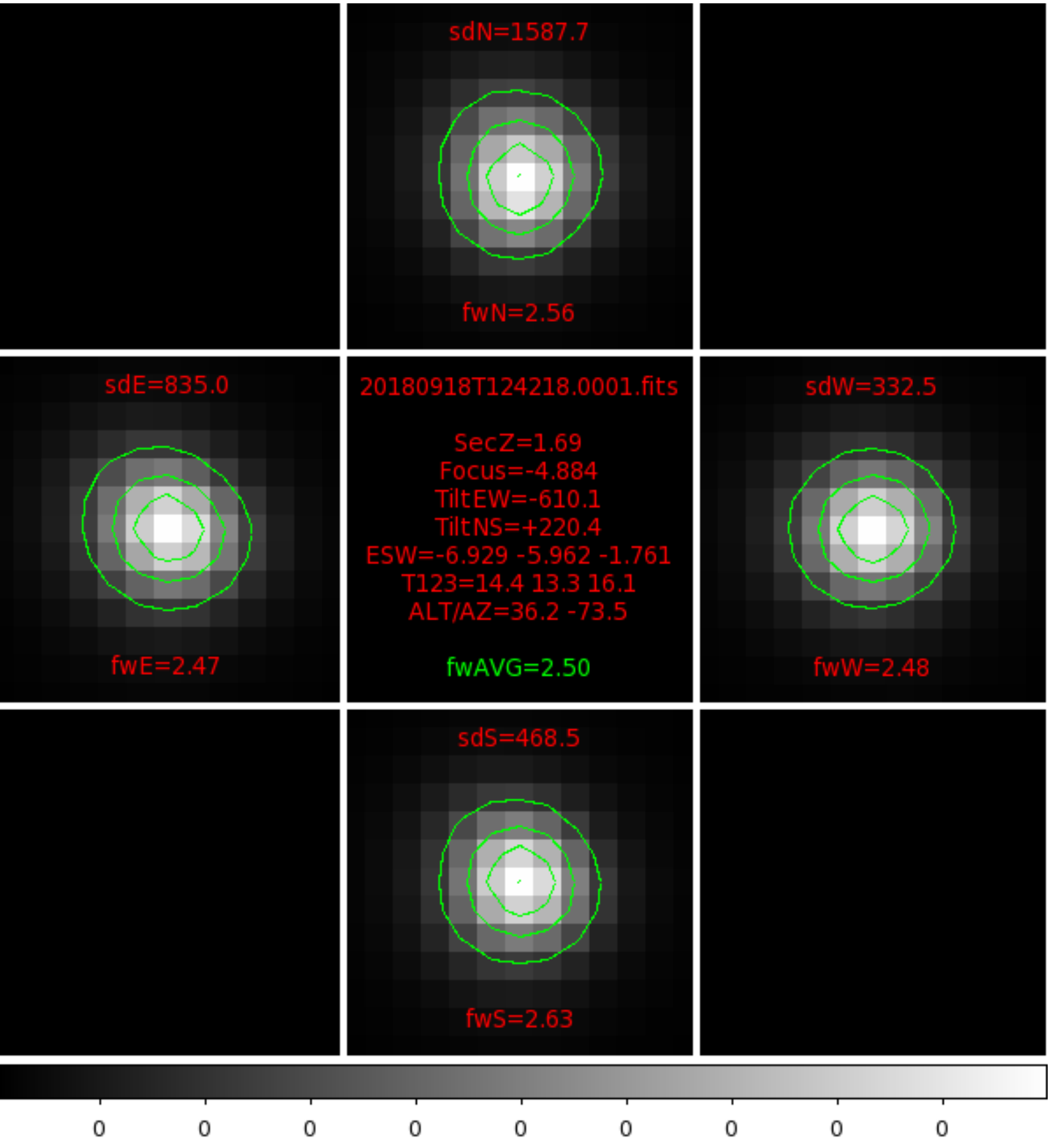
sdN=1587.7
fwN=2.56
sdE=835.0
fwE=2.47
20180918T124218.0001.fits
SecZ=1.69
Focus=-4.884
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.929 -5.962 -1.761
T123=14.4 13.3 16.1
ALT/AZ=36.2 -73.5
fwAVG=2.50
sdW=332.5
fwW=2.48
sdS=468.5
fwS=2.63
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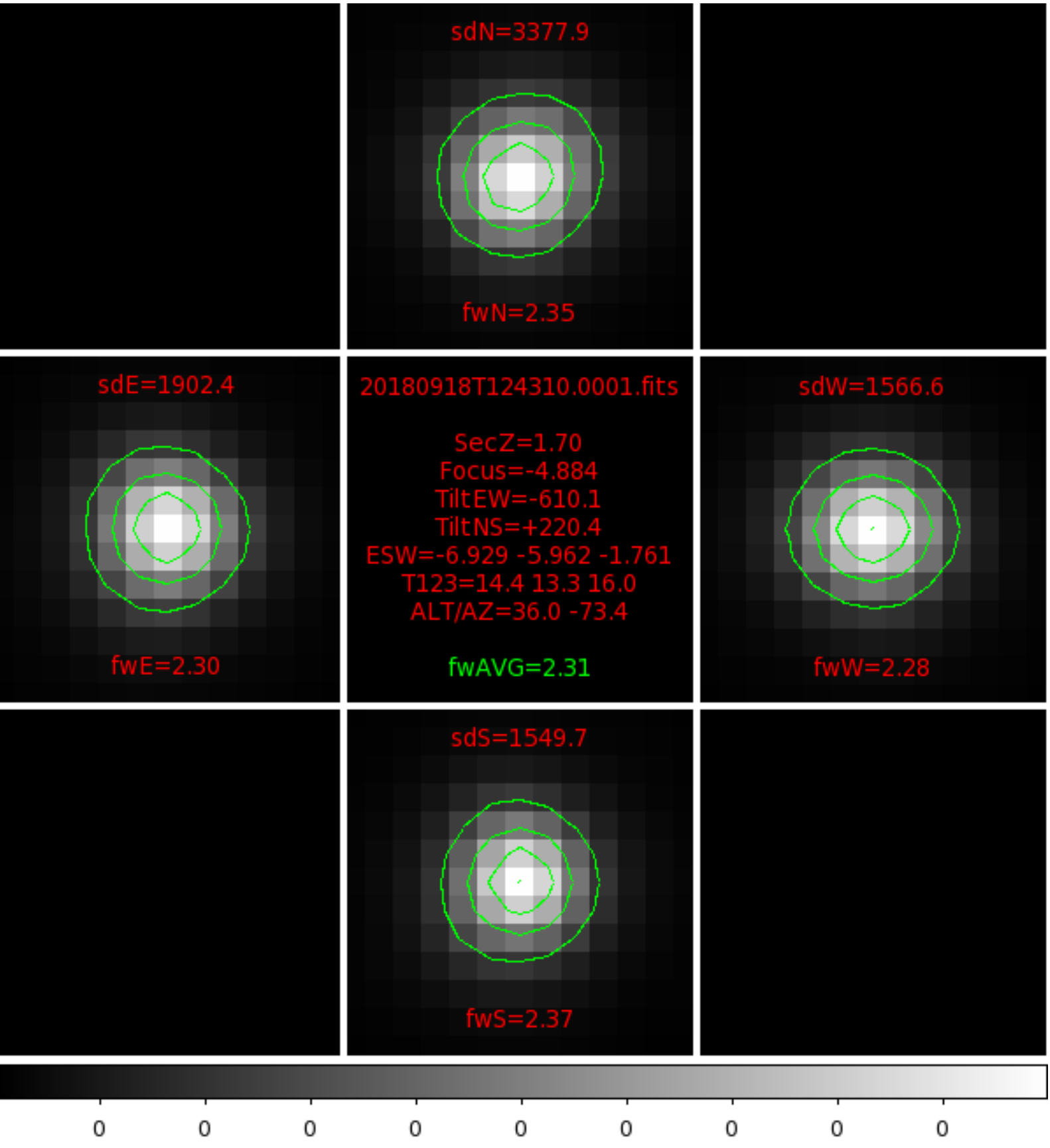
sdN=3377.9
fwN=2.35
sdE=1902.4
fwE=2.30
20180918T124310.0001.fits
SecZ=1.70
Focus=-4.884
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.929 -5.962 -1.761
T123=14.4 13.3 16.0
ALT/AZ=36.0 -73.4
fwAVG=2.31
sdW=1566.6
fwW=2.28
sdS=1549.7
fwS=2.37
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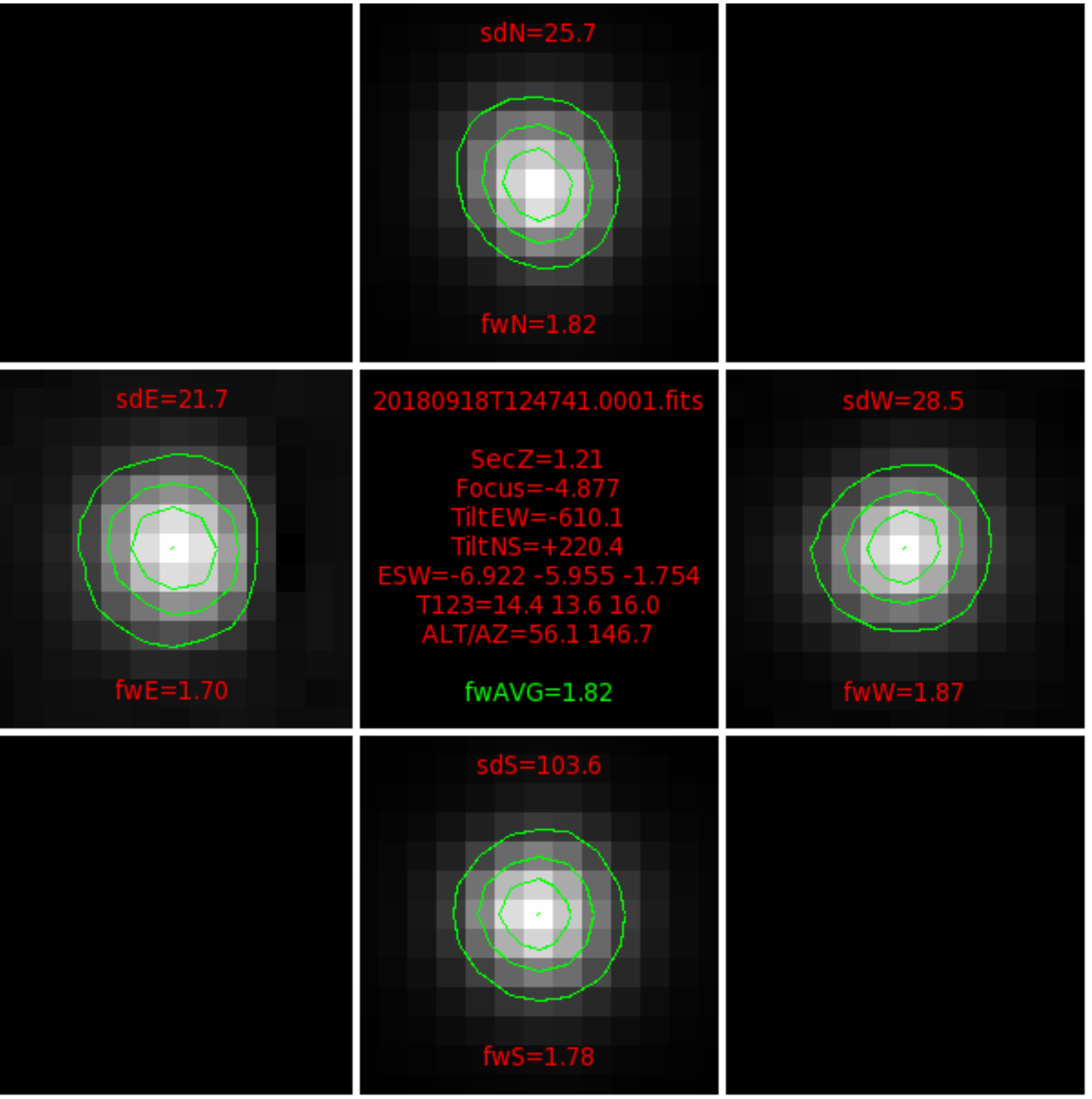
sdN=25.7
fwN=1.82
sdE=21.7
fwE=1.70
20180918T124741.0001.fits
SecZ=1.21
Focus=-4.877
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.922 -5.955 -1.754
T123=14.4 13.6 16.0
ALT/AZ=56.1 146.7
fwAVG=1.82
sdW=28.5
fwW=1.87
sdS=103.6
fwS=1.78
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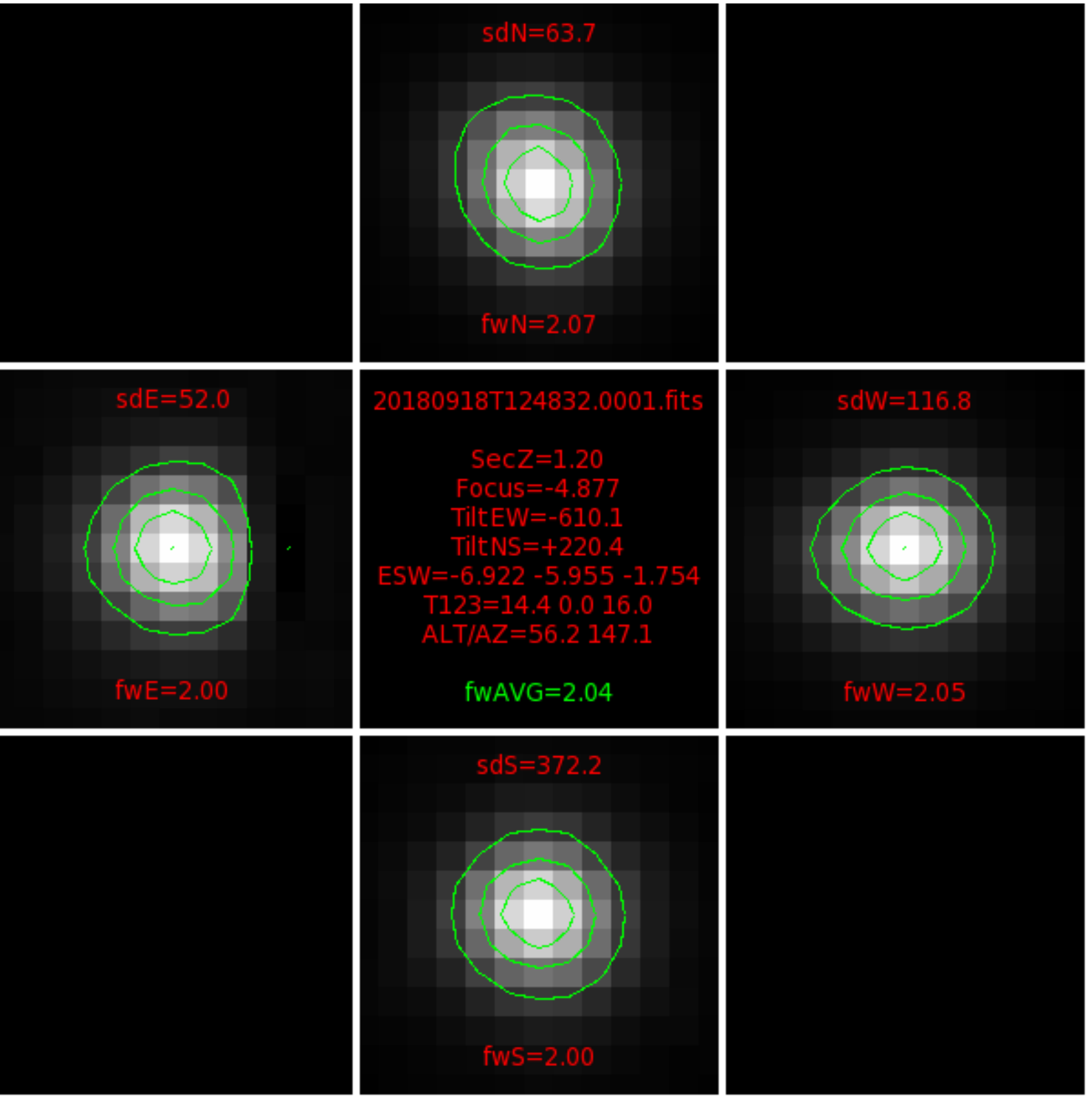
sdN=63.7
fwN=2.07
sdE=52.0
fwE=2.00
20180918T124832.0001.fits
SecZ=1.20
Focus=-4.877
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.922 -5.955 -1.754
T123=14.4 0.0 16.0
ALT/AZ=56.2 147.1
fwAVG=2.04
sdW=116.8
fwW=2.05
sdS=372.2
fwS=2.00
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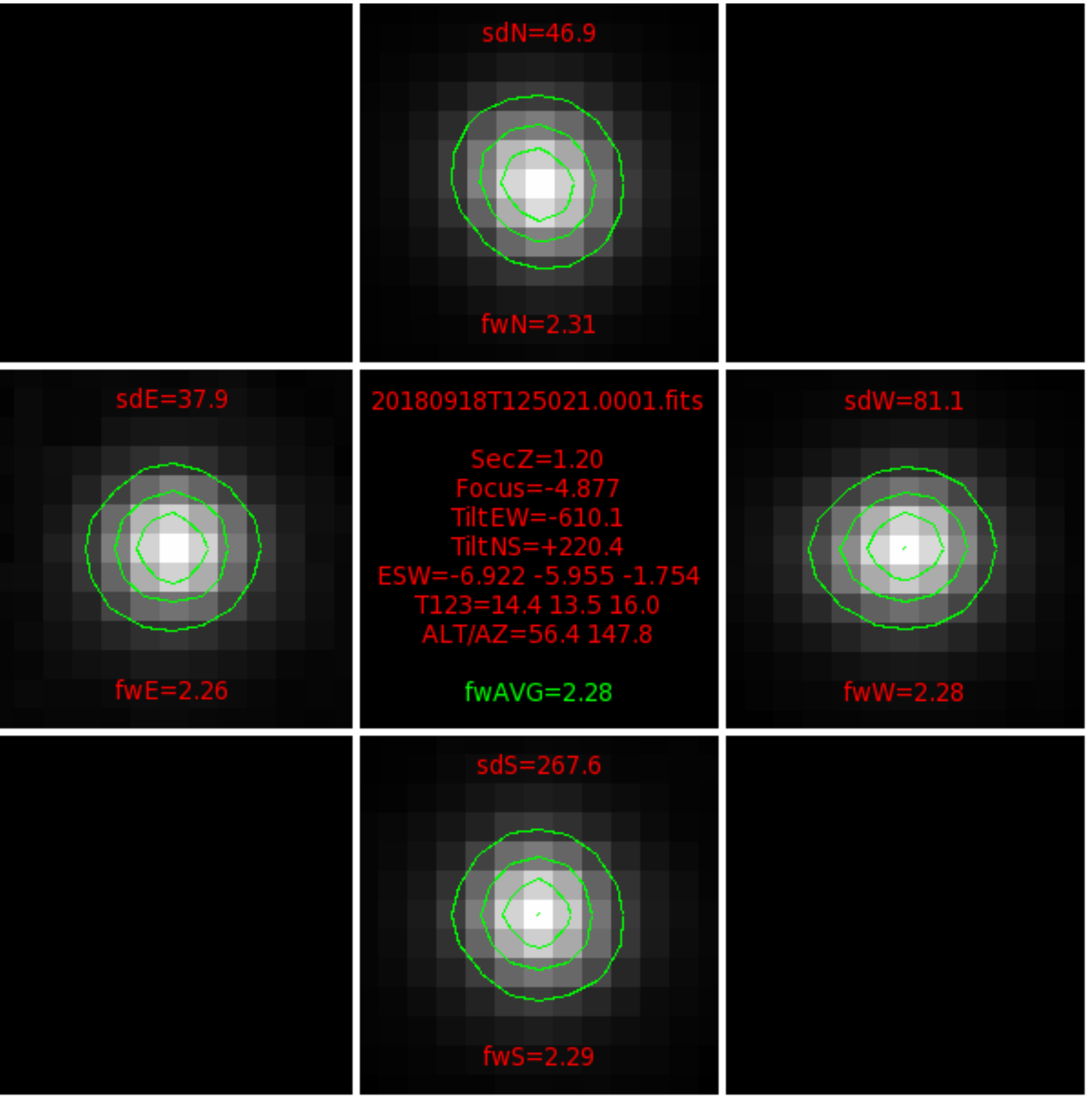
sdN=46.9
fwN=2.31
sdE=37.9
fwE=2.26
20180918T125021.0001.fits
SecZ=1.20
Focus=-4.877
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.922 -5.955 -1.754
T123=14.4 13.5 16.0
ALT/AZ=56.4 147.8
fwAVG=2.28
sdW=81.1
fwW=2.28
sdS=267.6
fwS=2.29
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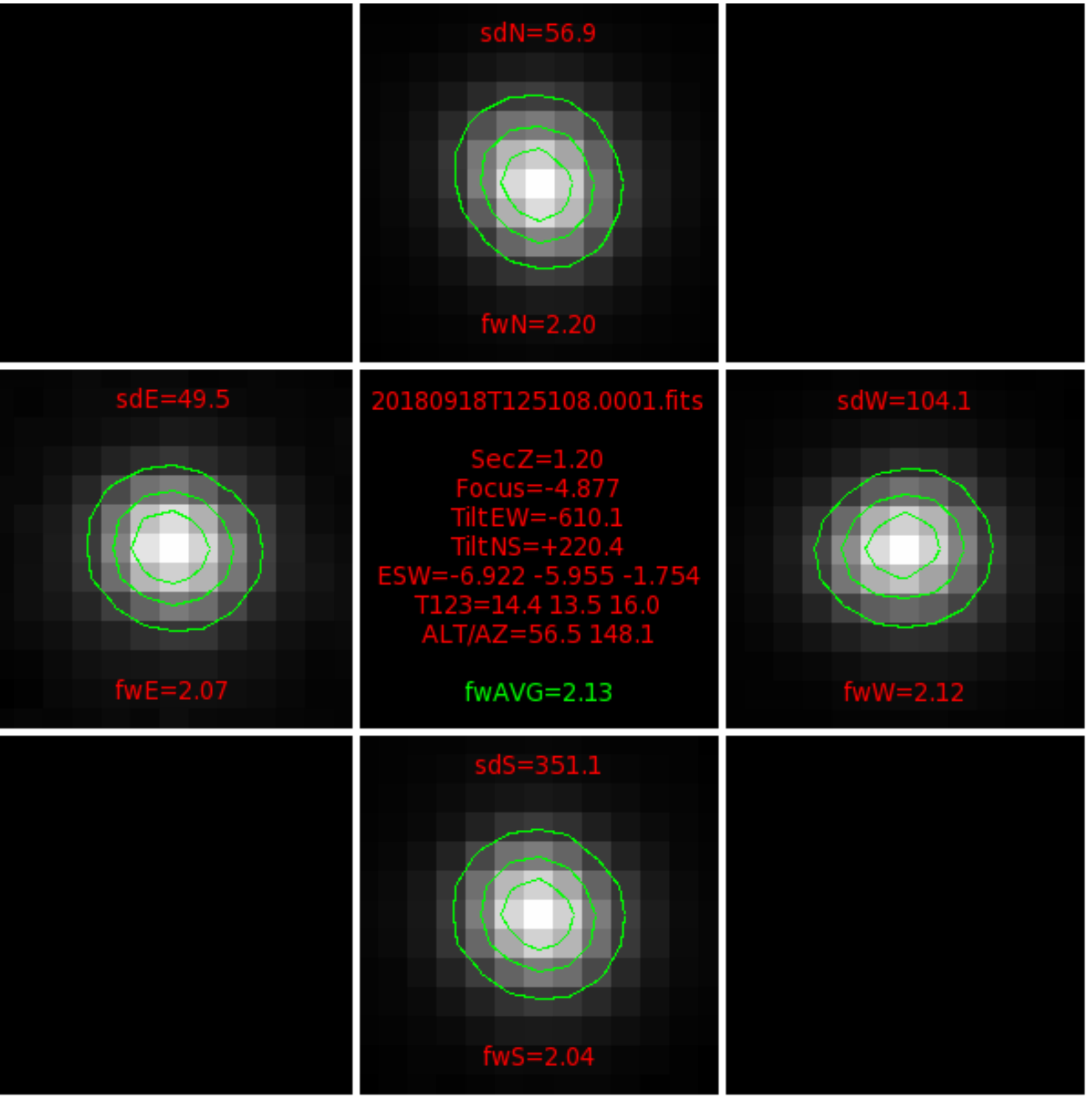
sdN=56.9
fwN=2.20
sdE=49.5
fwE=2.07
20180918T125108.0001.fits
SecZ=1.20
Focus=-4.877
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.922 -5.955 -1.754
T123=14.4 13.5 16.0
ALT/AZ=56.5 148.1
fwAVG=2.13
sdW=104.1
fwW=2.12
sdS=351.1
fwS=2.04
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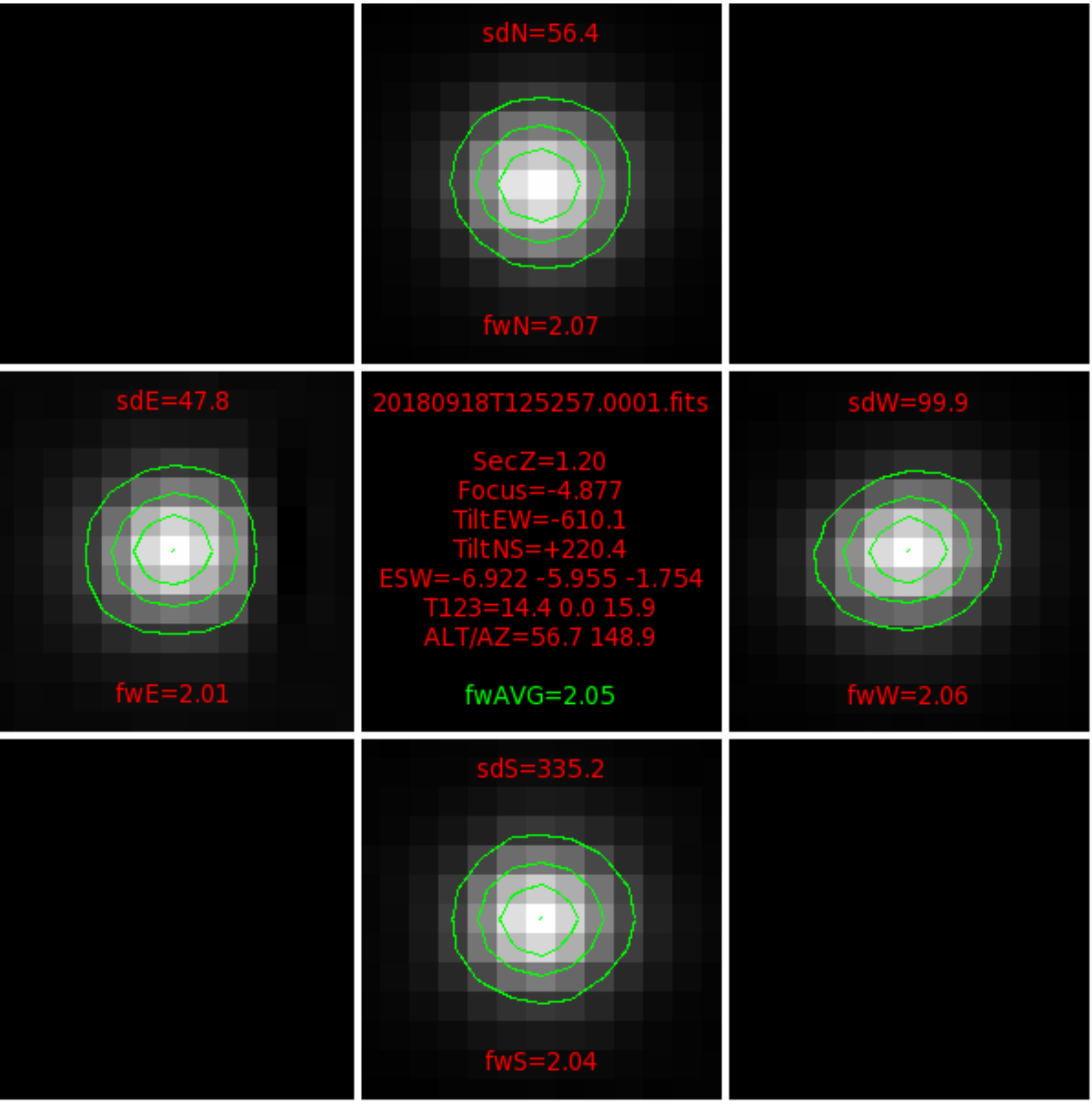
sdN=56.4
fwN=2.07
sdE=47.8
fwE=2.01
20180918T125257.0001.fits
SecZ=1.20
Focus=-4.877
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.922 -5.955 -1.754
T123=14.4 0.0 15.9
ALT/AZ=56.7 148.9
fwAVG=2.05
sdW=99.9
fwW=2.06
sdS=335.2
fwS=2.04
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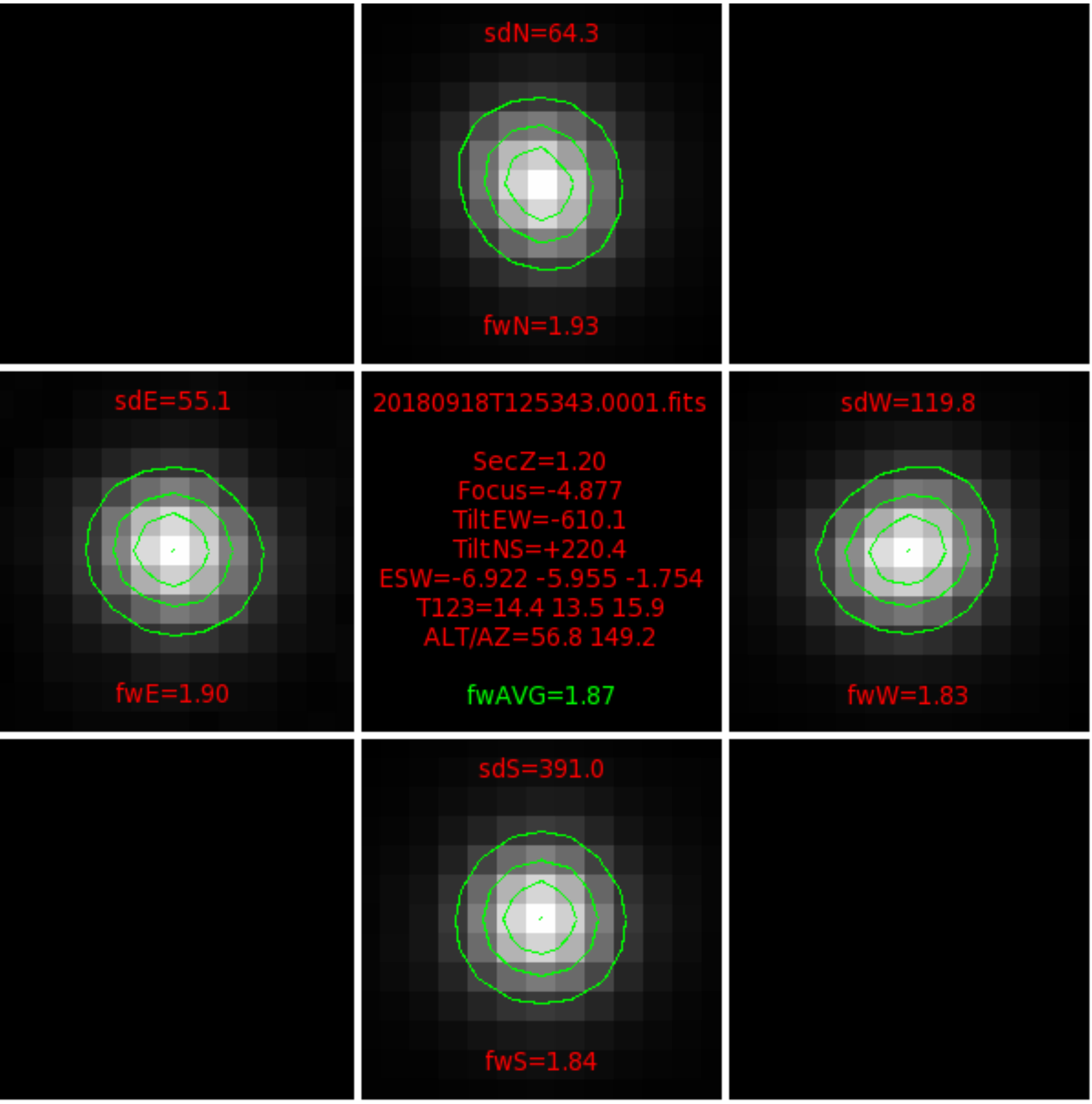
sdN=64.3
fwN=1.93
sdE=55.1
fwE=1.90
20180918T125343.0001.fits
SecZ=1.20
Focus=-4.877
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.922 -5.955 -1.754
T123=14.4 13.5 15.9
ALT/AZ=56.8 149.2
fwAVG=1.87
sdW=119.8
fwW=1.83
sdS=391.0
fwS=1.84
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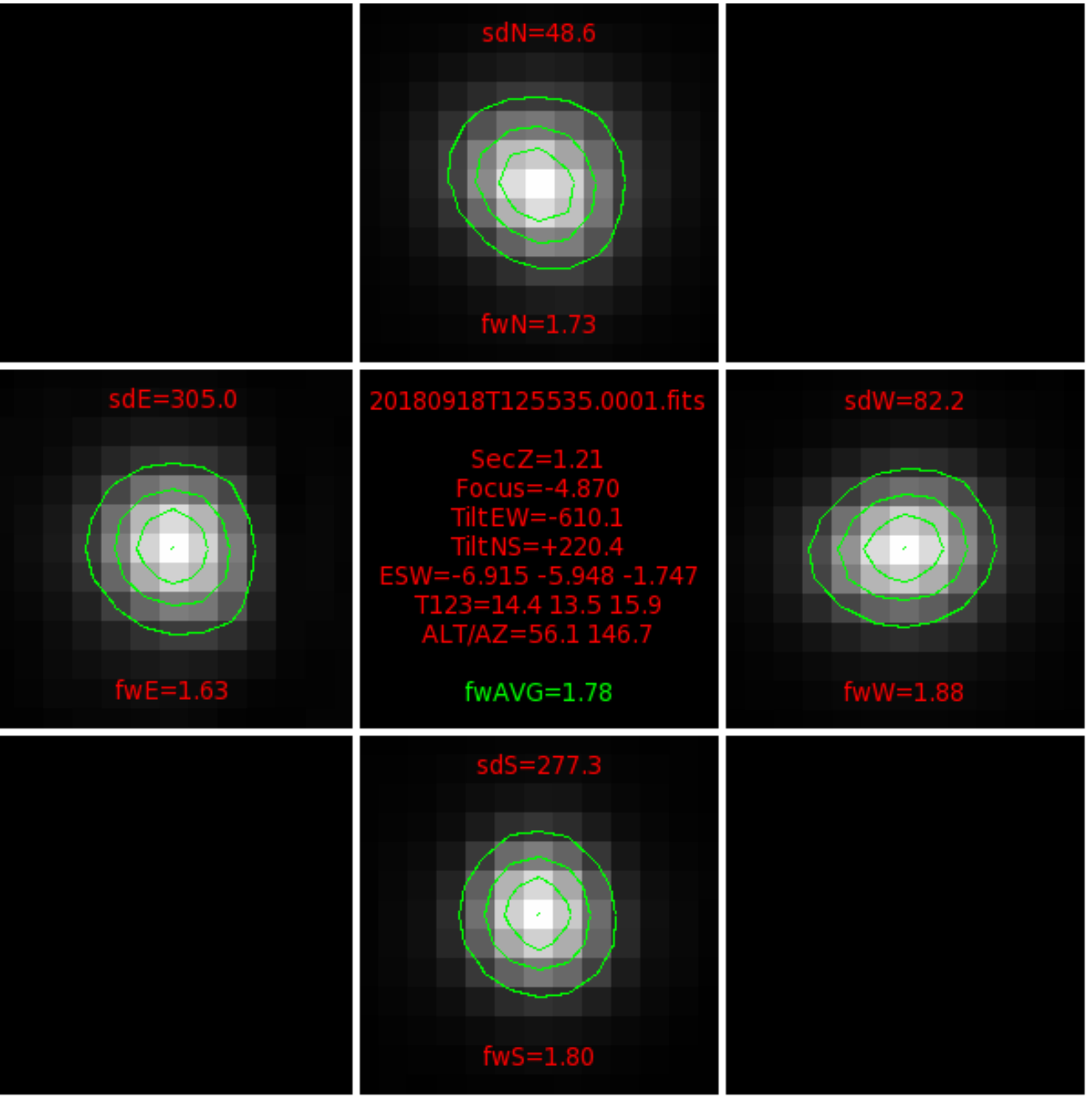
sdN=48.6
fwN=1.73
sdE=305.0
fwE=1.63
20180918T125535.0001.fits
SecZ=1.21
Focus=-4.870
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.915 -5.948 -1.747
T123=14.4 13.5 15.9
ALT/AZ=56.1 146.7
fwAVG=1.78
sdW=82.2
fwW=1.88
sdS=277.3
fwS=1.80
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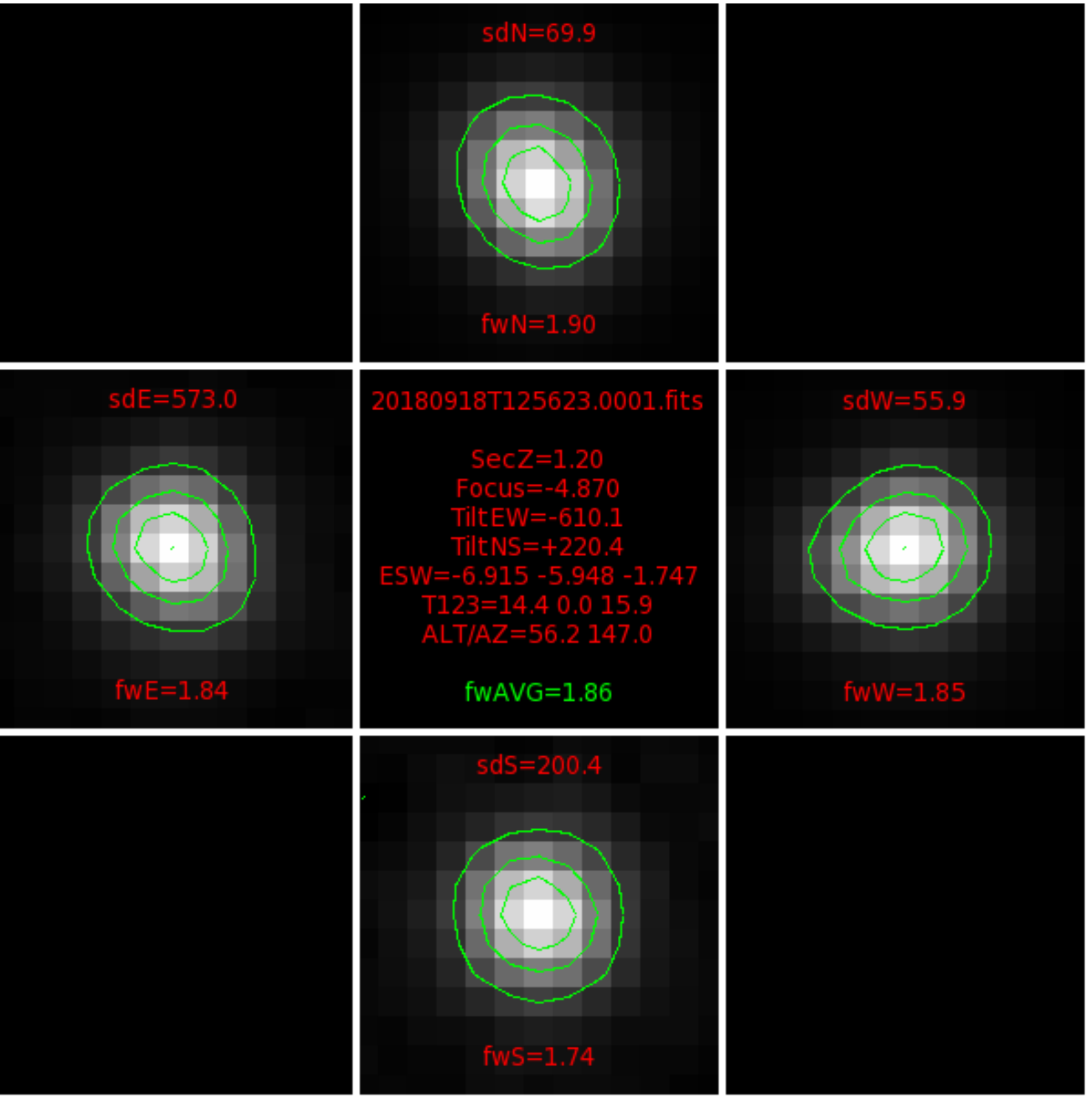
sdN=69.9
fwN=1.90
sdE=573.0
fwE=1.84
20180918T125623.0001.fits
SecZ=1.20
Focus=-4.870
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.915 -5.948 -1.747
T123=14.4 0.0 15.9
ALT/AZ=56.2 147.0
fwAVG=1.86
sdW=55.9
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sdS=200.4
fwS=1.74
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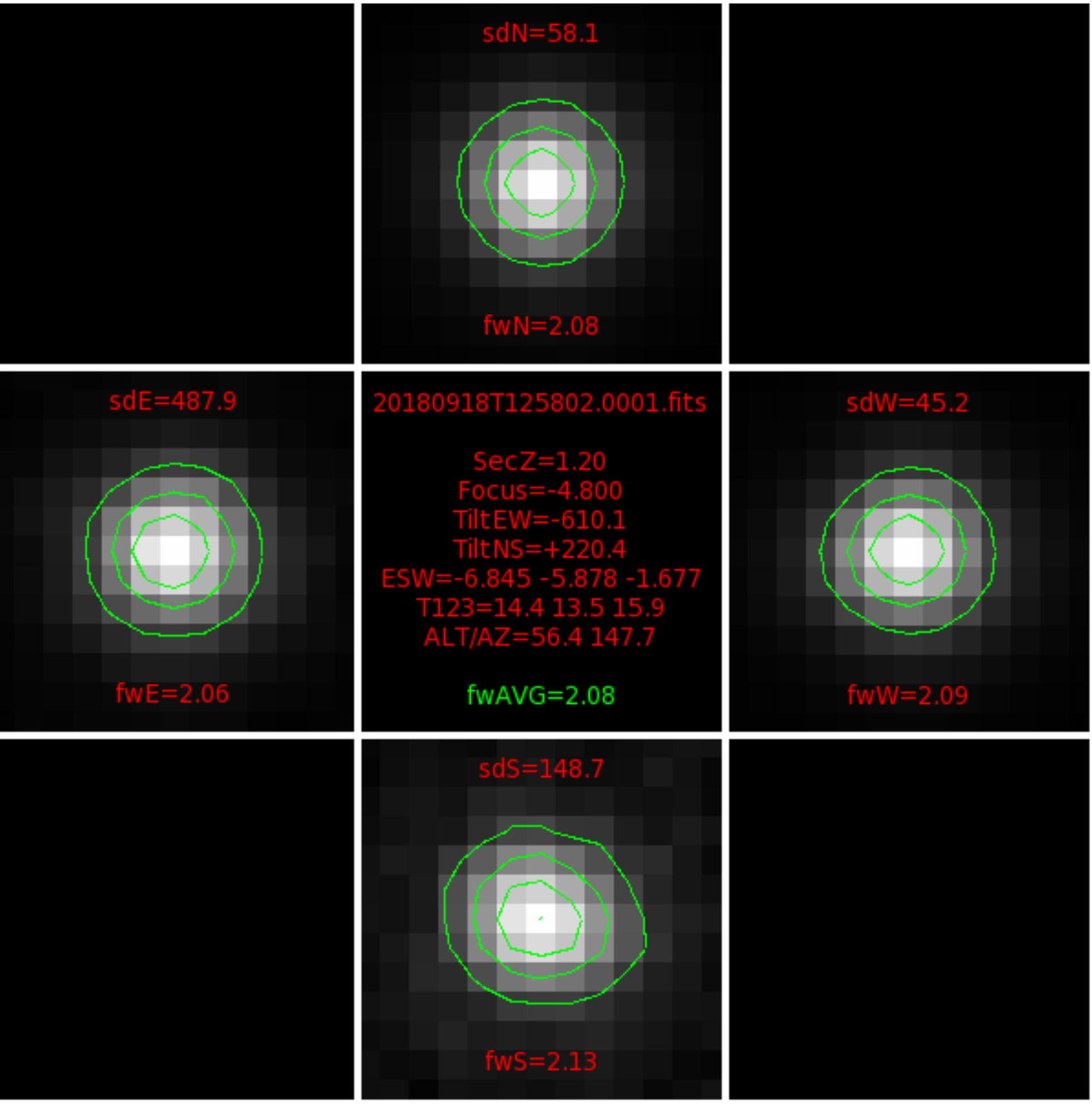
sdN=58.1
fwN=2.08
sdE=487.9
fwE=2.06
20180918T125802.0001.fits
SecZ=1.20
Focus=-4.800
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.845 -5.878 -1.677
T123=14.4 13.5 15.9
ALT/AZ=56.4 147.7
fwAVG=2.08
sdW=45.2
fwW=2.09
sdS=148.7
fwS=2.13
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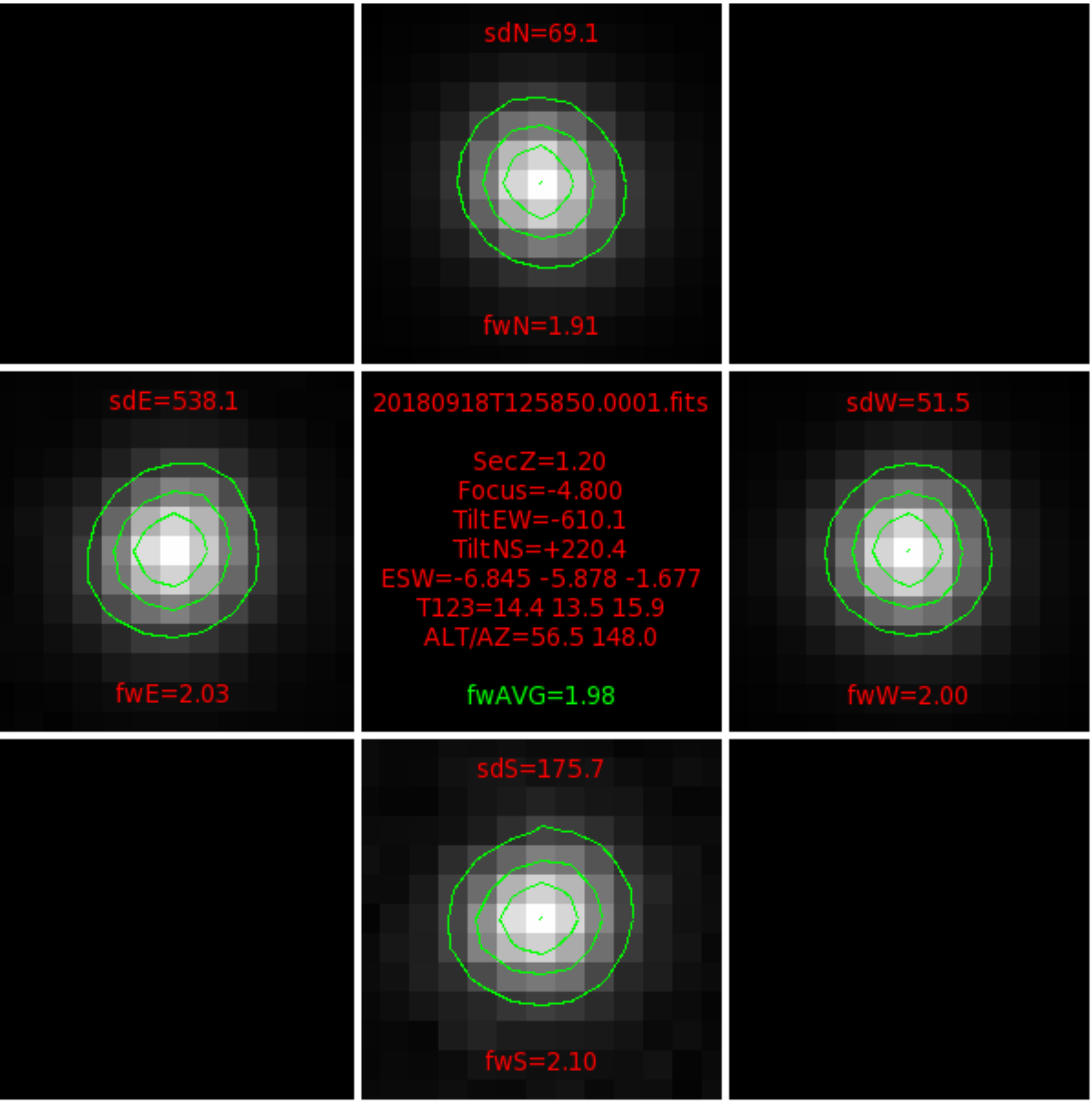
sdN=69.1
fwN=1.91
sdE=538.1
fwE=2.03
20180918T125850.0001.fits
SecZ=1.20
Focus=-4.800
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.845 -5.878 -1.677
T123=14.4 13.5 15.9
ALT/AZ=56.5 148.0
fwAVG=1.98
sdW=51.5
fwW=2.00
sdS=175.7
fwS=2.10
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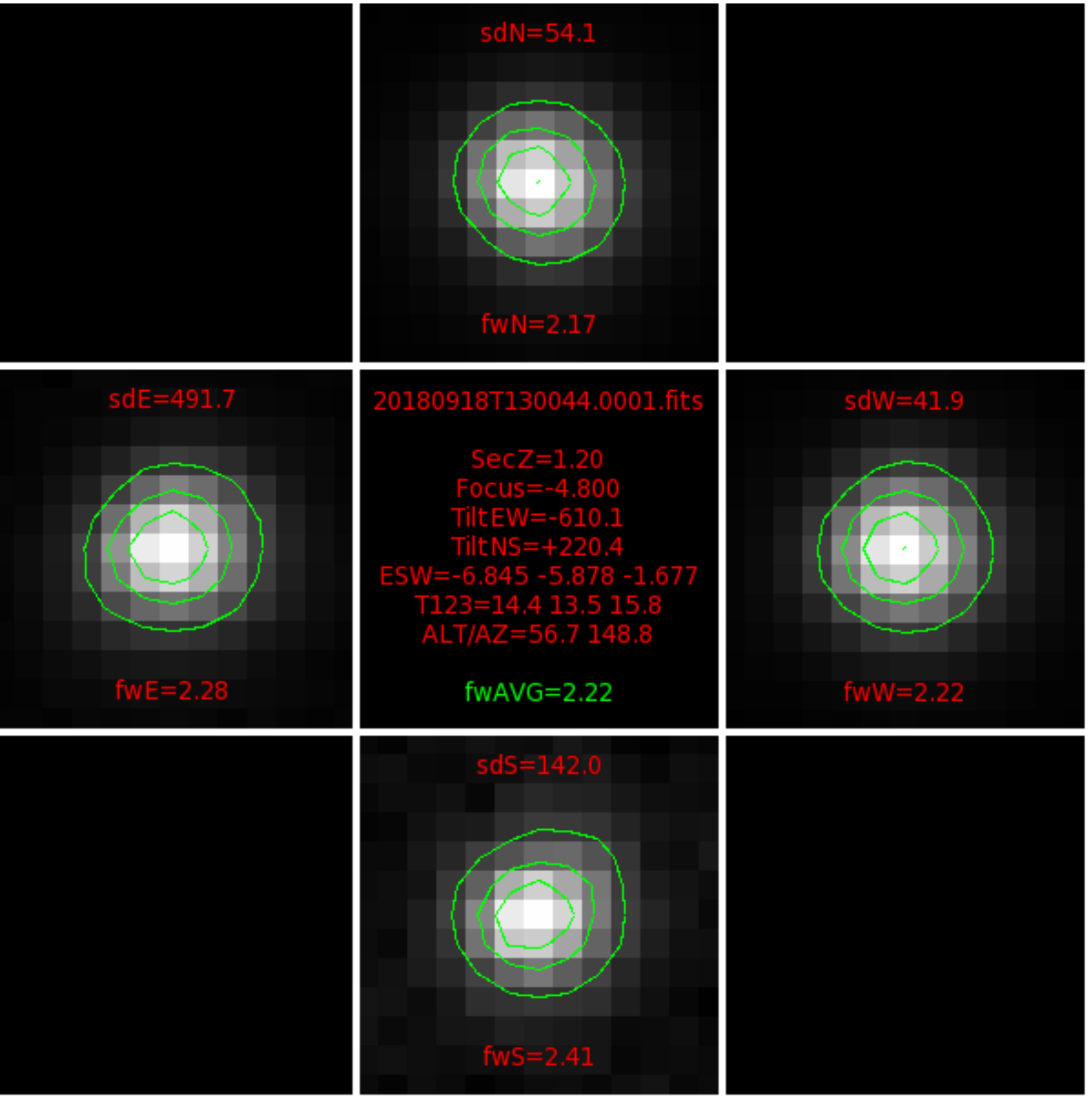
sdN=54.1
fwN=2.17
sdE=491.7
fwE=2.28
20180918T130044.0001.fits
SecZ=1.20
Focus=-4.800
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.845 -5.878 -1.677
T123=14.4 13.5 15.8
ALT/AZ=56.7 148.8
fwAVG=2.22
sdW=41.9
fwW=2.22
sdS=142.0
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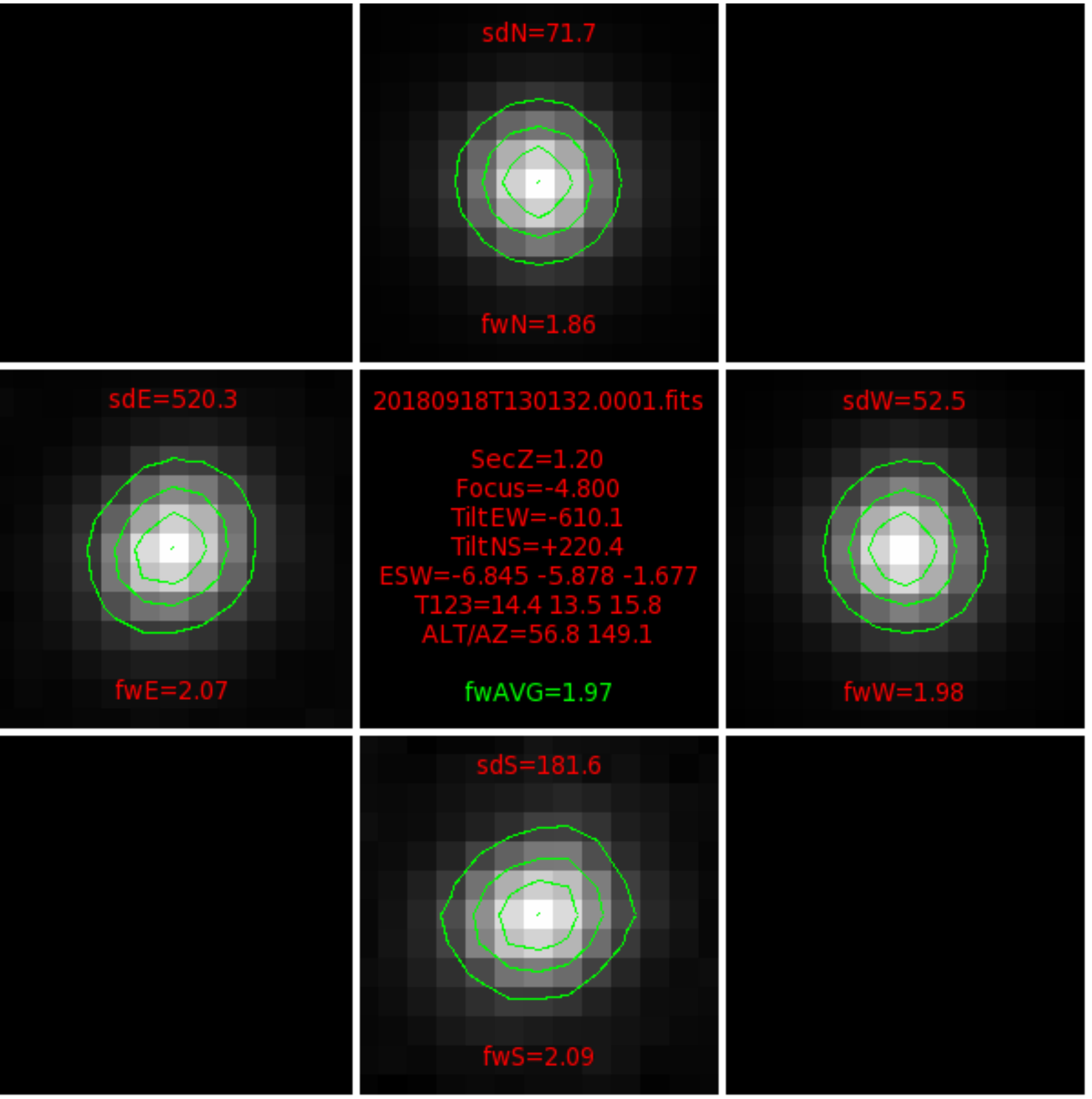
sdN=71.7
fwN=1.86
sdE=520.3
fwE=2.07
20180918T130132.0001.fits
SecZ=1.20
Focus=-4.800
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.845 -5.878 -1.677
T123=14.4 13.5 15.8
ALT/AZ=56.8 149.1
fwAVG=1.97
sdW=52.5
fwW=1.98
sdS=181.6
fwS=2.09
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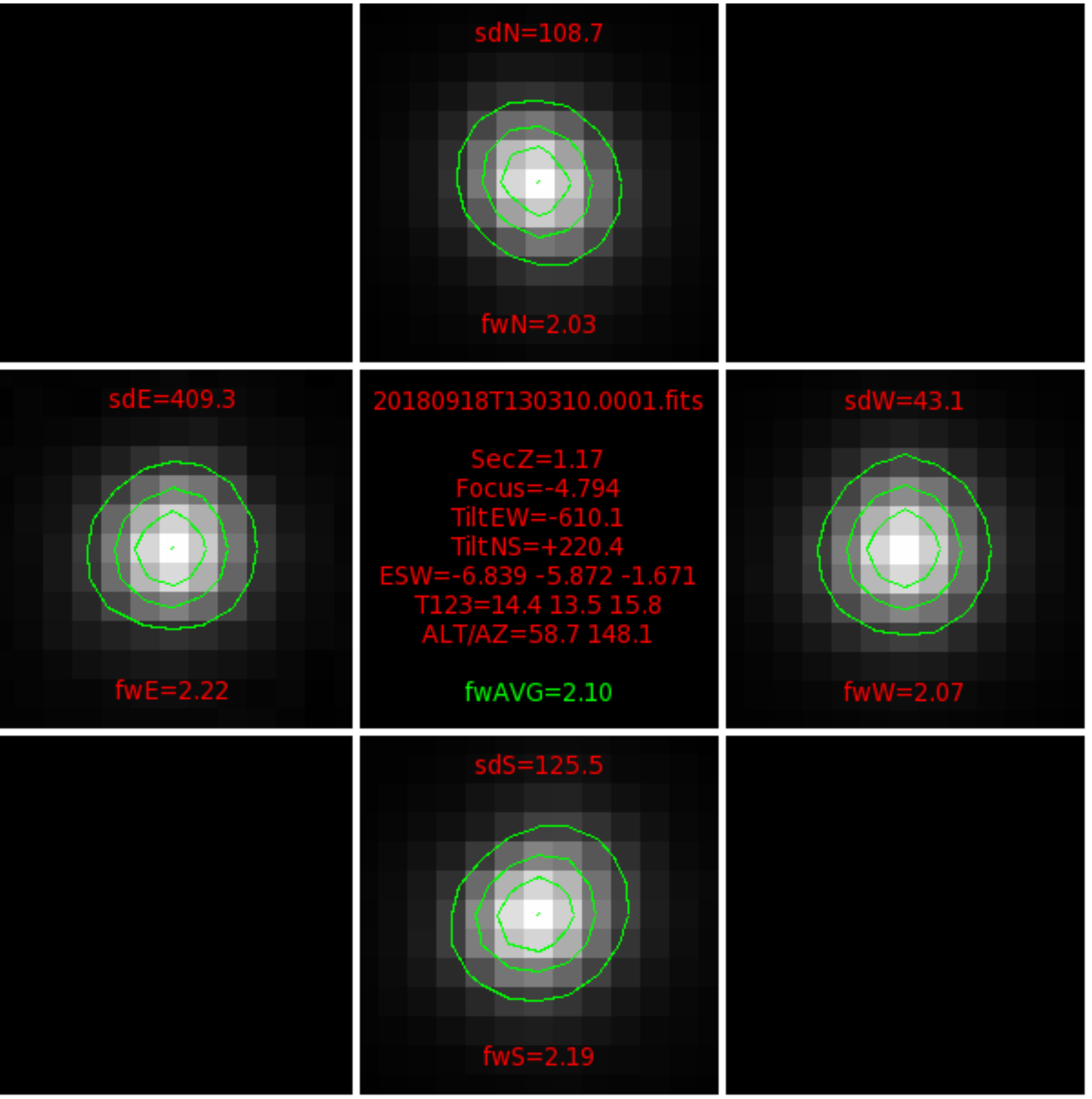
sdN=108.7
fwN=2.03
sdE=409.3
fwE=2.22
20180918T130310.0001.fits
SecZ=1.17
Focus=-4.794
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.839 -5.872 -1.671
T123=14.4 13.5 15.8
ALT/AZ=58.7 148.1
fwAVG=2.10
sdW=43.1
fwW=2.07
sdS=125.5
fwS=2.19
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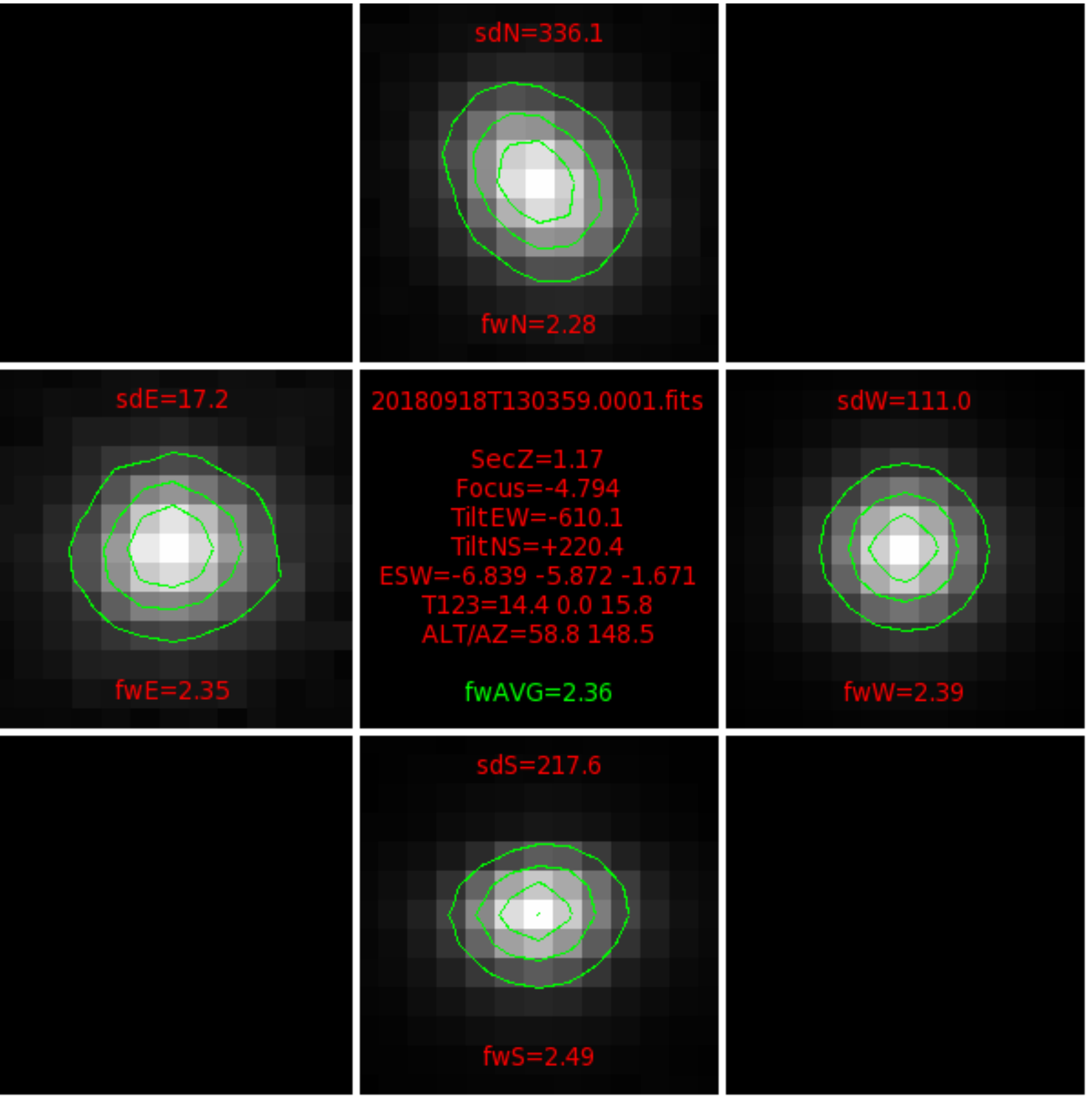
sdN=336.1
fwN=2.28
sdE=17.2
fwE=2.35
20180918T130359.0001.fits
SecZ=1.17
Focus=-4.794
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.839 -5.872 -1.671
T123=14.4 0.0 15.8
ALT/AZ=58.8 148.5
fwAVG=2.36
sdW=111.0
fwW=2.39
sdS=217.6
fwS=2.49
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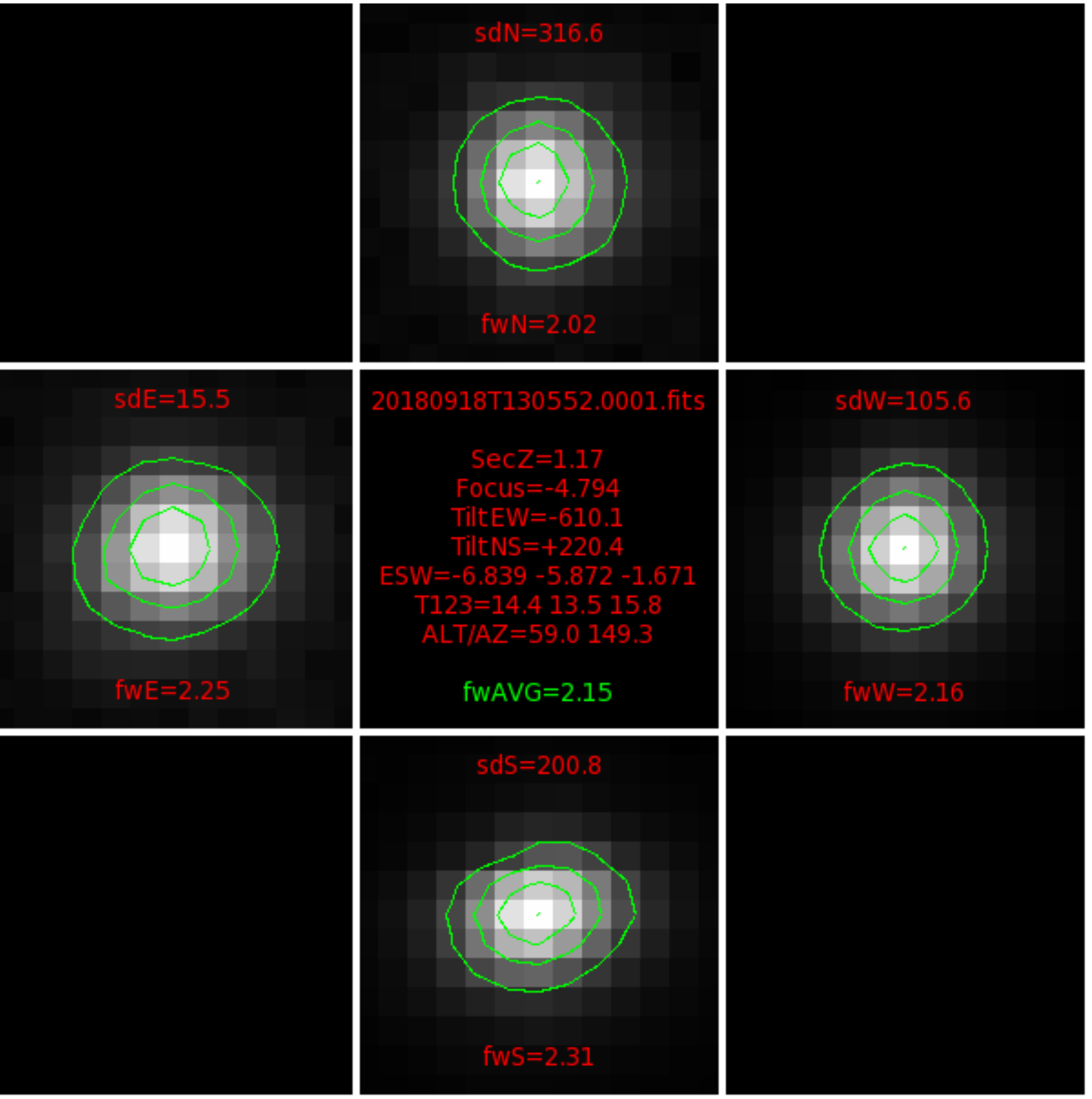
sdN=316.6
fwN=2.02
sdE=15.5
fwE=2.25
20180918T130552.0001.fits
SecZ=1.17
Focus=-4.794
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.839 -5.872 -1.671
T123=14.4 13.5 15.8
ALT/AZ=59.0 149.3
fwAVG=2.15
sdW=105.6
fwW=2.16
sdS=200.8
fwS=2.31
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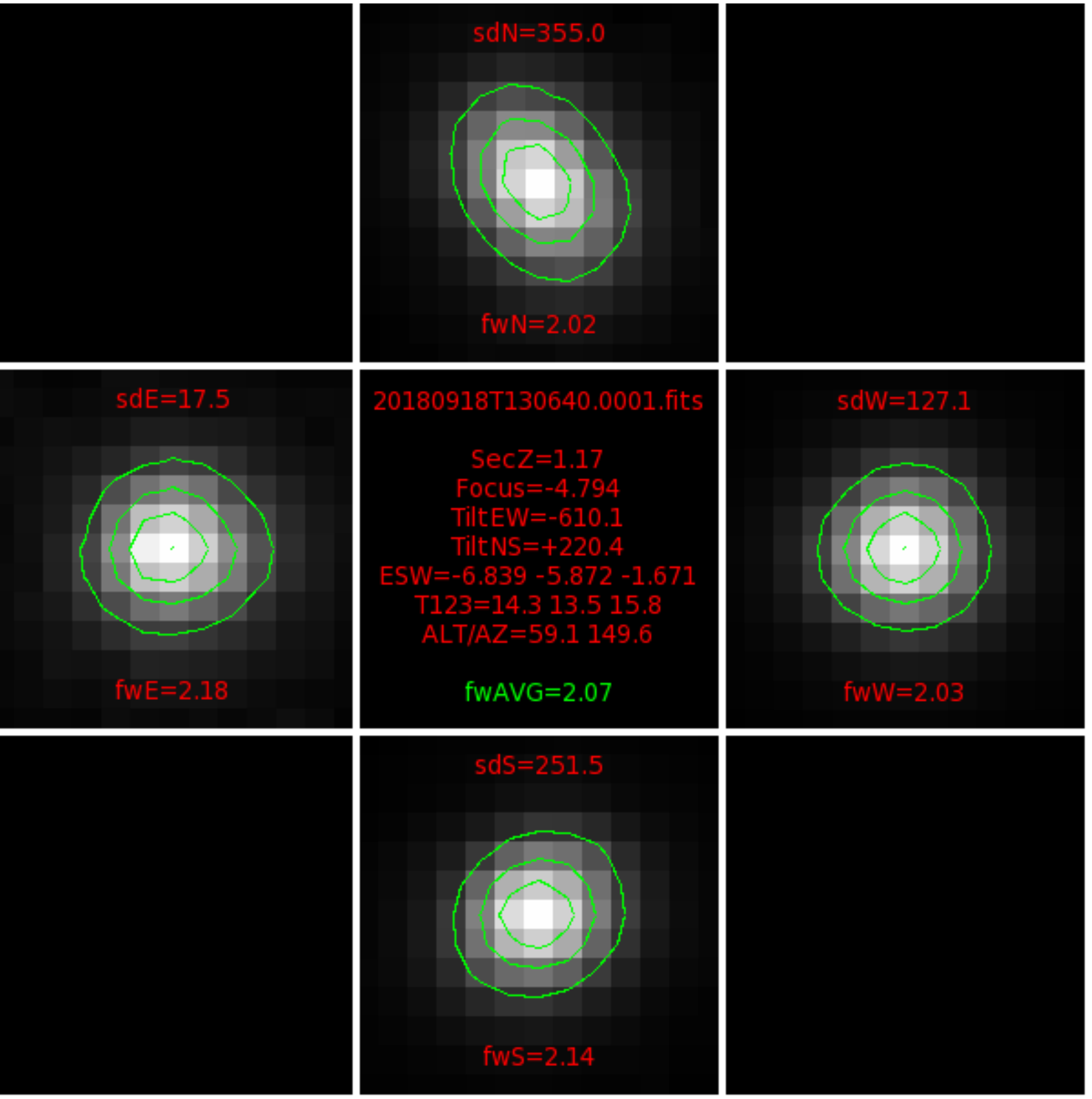
sdN=355.0
fwN=2.02
sdE=17.5
fwE=2.18
20180918T130640.0001.fits
SecZ=1.17
Focus=-4.794
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.839 -5.872 -1.671
T123=14.3 13.5 15.8
ALT/AZ=59.1 149.6
fwAVG=2.07
sdW=127.1
fwW=2.03
sdS=251.5
fwS=2.14
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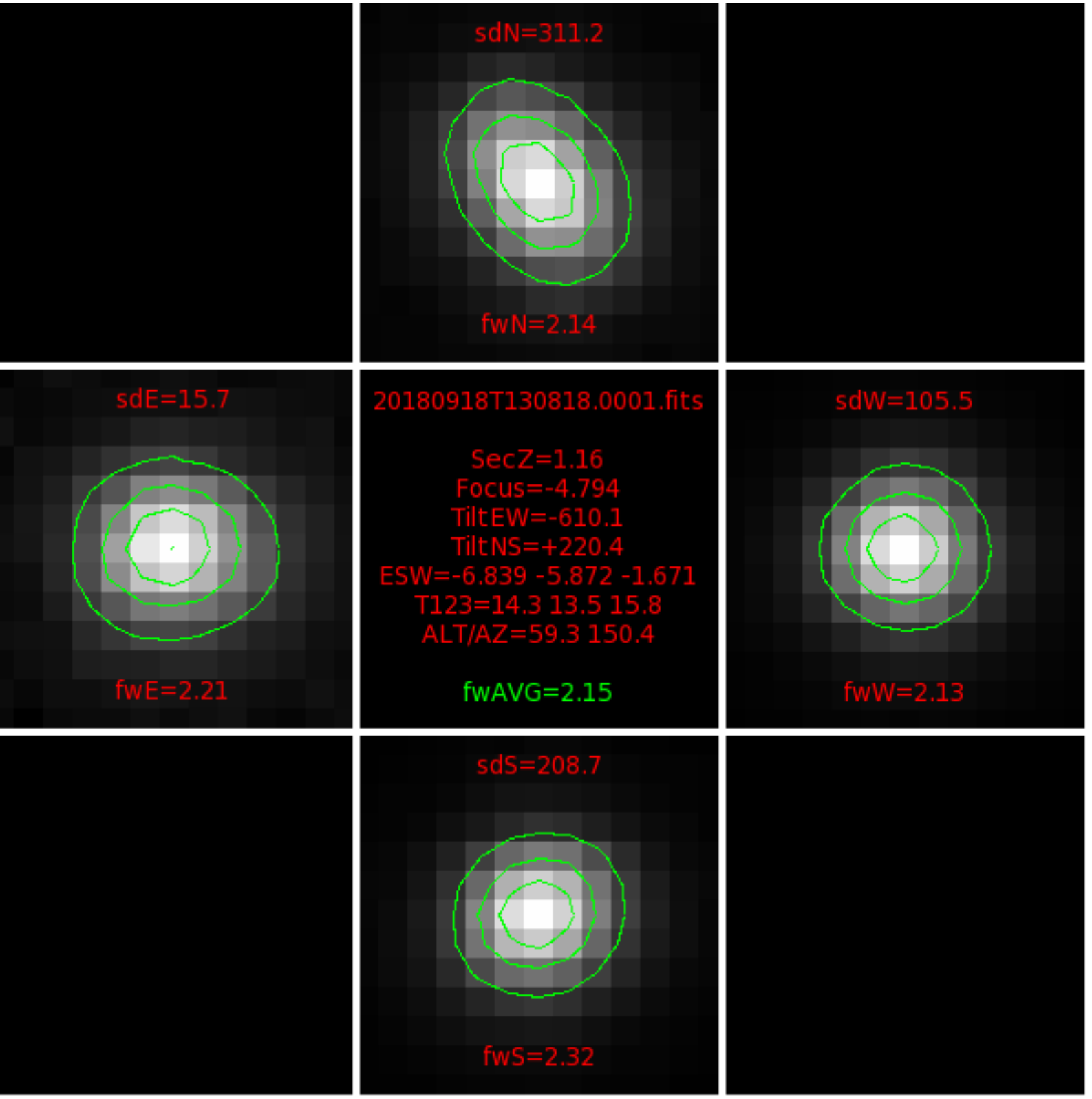
sdN=311.2
fwN=2.14
sdE=15.7
fwE=2.21
20180918T130818.0001.fits
SecZ=1.16
Focus=-4.794
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.839 -5.872 -1.671
T123=14.3 13.5 15.8
ALT/AZ=59.3 150.4
fwAVG=2.15
sdW=105.5
fwW=2.13
sdS=208.7
fwS=2.32
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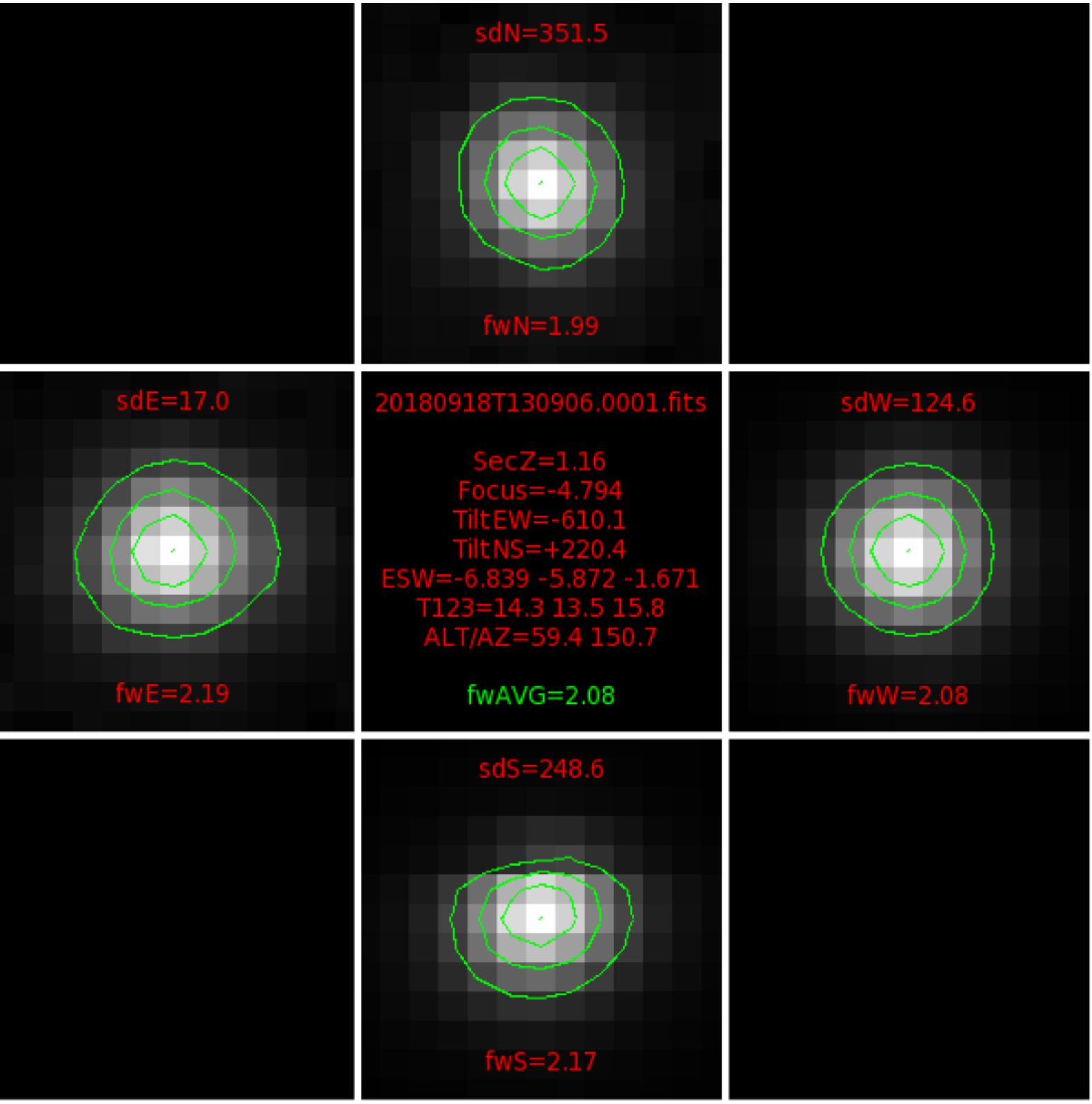
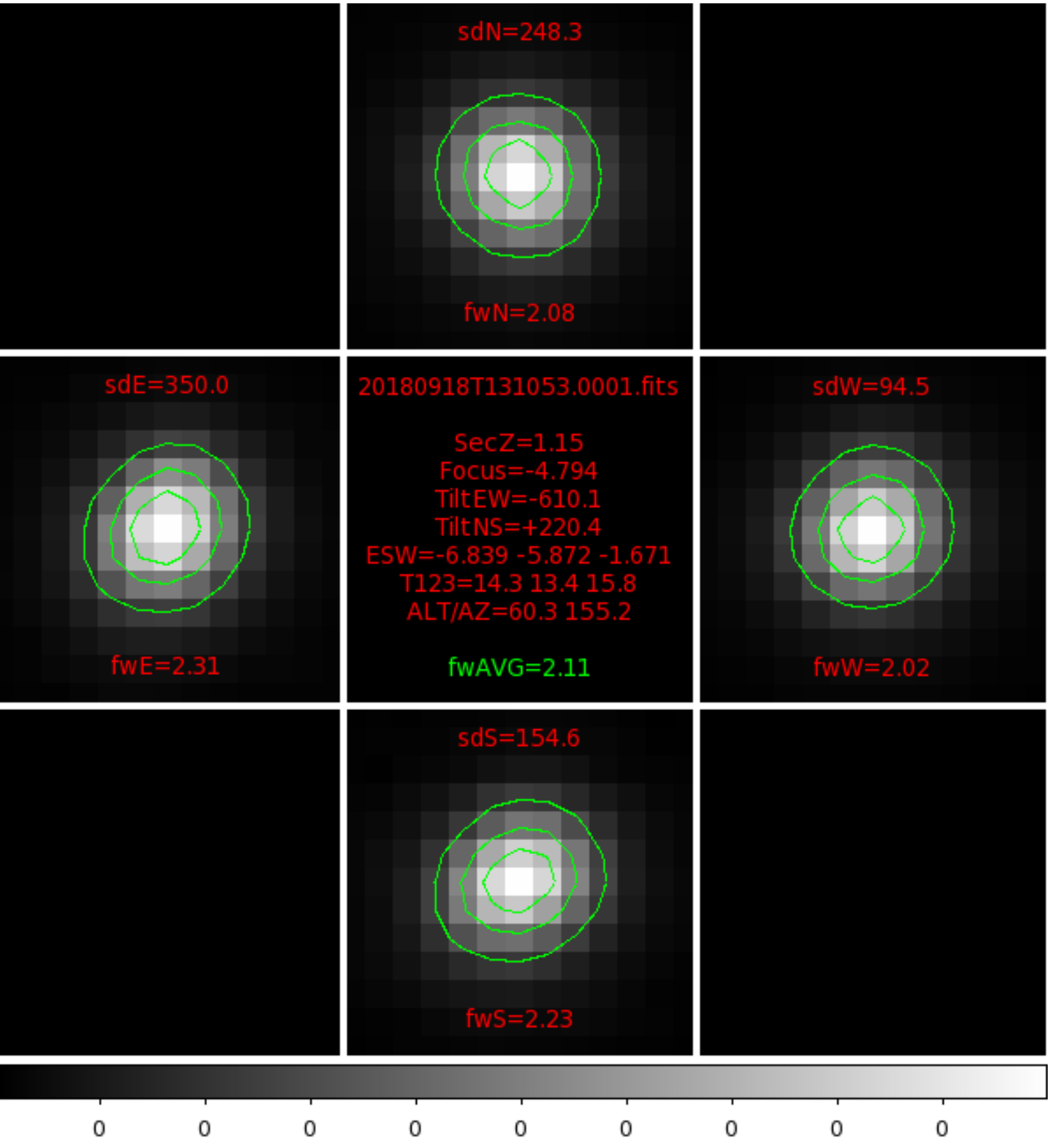

sdN=351.5
fwN=1.99
sdE=17.0
fwE=2.19
20180918T130906.0001.fits
SecZ=1.16
Focus=-4.794
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.839 -5.872 -1.671
T123=14.3 13.5 15.8
ALT/AZ=59.4 150.7
fwAVG=2.08
sdW=124.6
fwW=2.08
sdS=248.6
fwS=2.17
0 0 0 0 0 0 0 0 0


sdN=248.3
fwN=2.08
sdE=350.0
fwE=2.31
20180918T131053.0001.fits
SecZ=1.15
Focus=-4.794
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.839 -5.872 -1.671
T123=14.3 13.4 15.8
ALT/AZ=60.3 155.2
fwAVG=2.11
sdW=94.5
fwW=2.02
sdS=154.6
fwS=2.23
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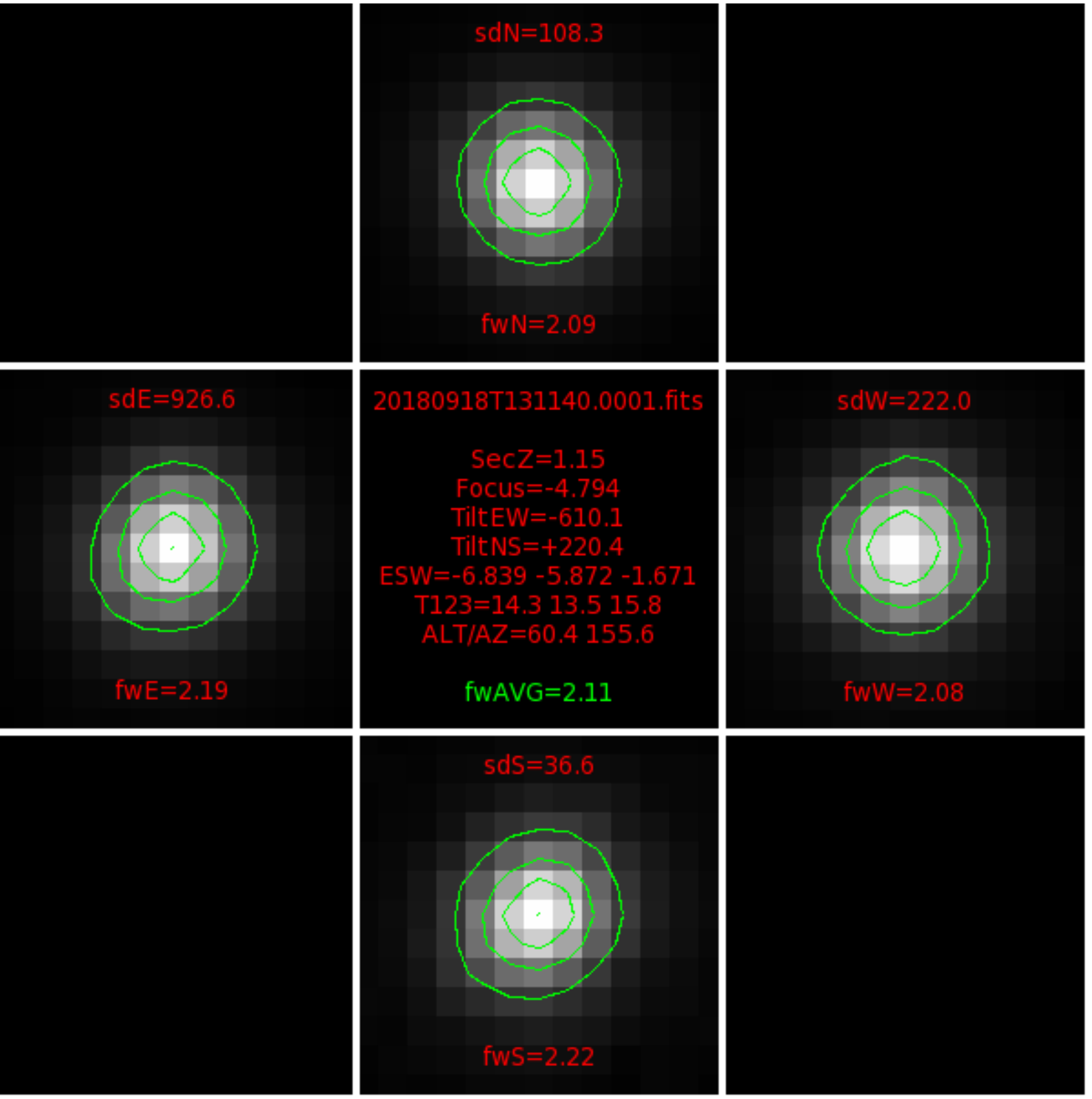
sdN=108.3
fwN=2.09
sdE=926.6
fwE=2.19
20180918T131140.0001.fits
SecZ=1.15
Focus=-4.794
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.839 -5.872 -1.671
T123=14.3 13.5 15.8
ALT/AZ=60.4 155.6
fwAVG=2.11
sdW=222.0
fwW=2.08
sdS=36.6
fwS=2.22
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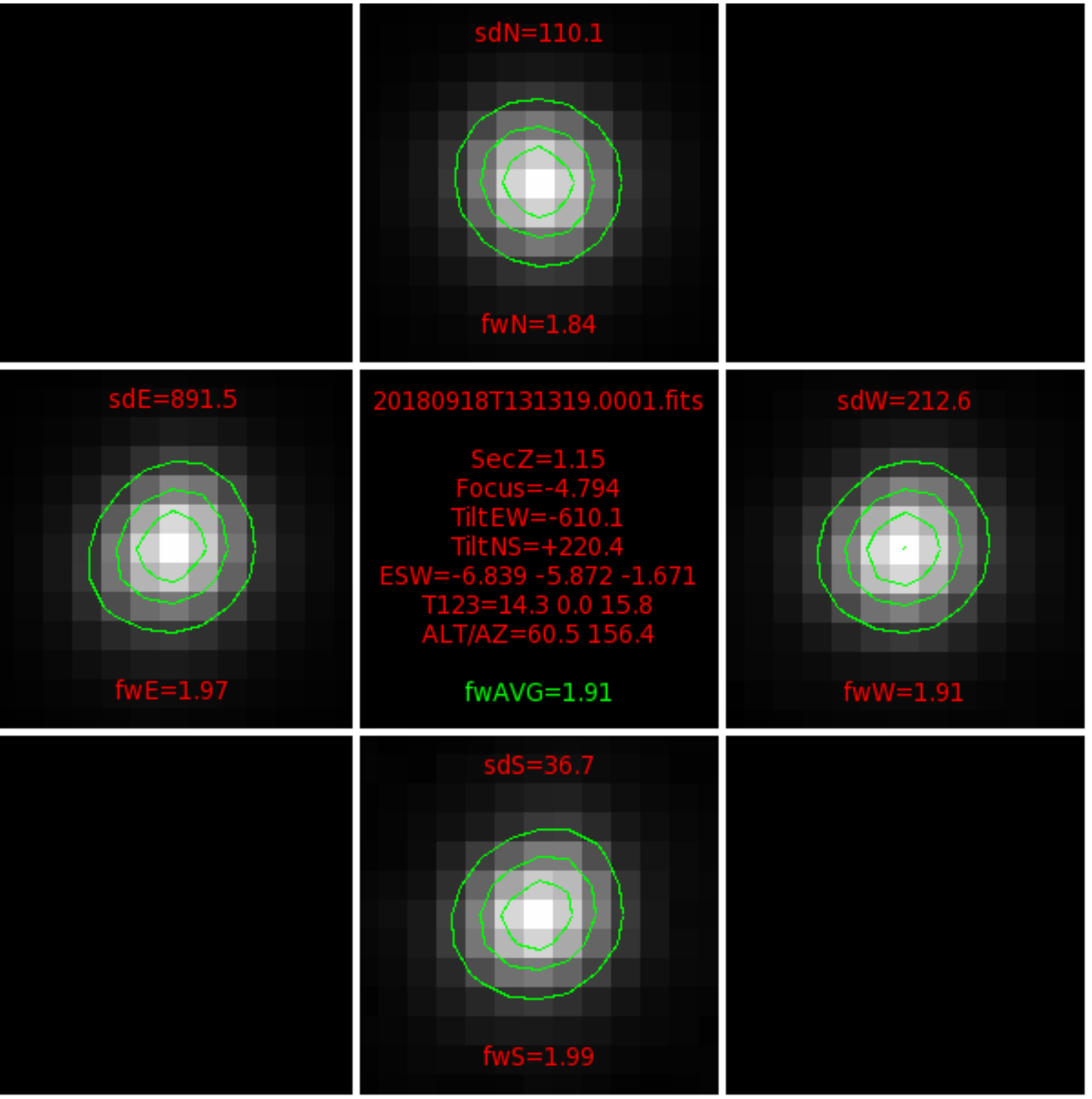
sdN=110.1
fwN=1.84
sdE=891.5
fwE=1.97
20180918T131319.0001.fits
SecZ=1.15
Focus=-4.794
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.839 -5.872 -1.671
T123=14.3 0.0 15.8
ALT/AZ=60.5 156.4
fwAVG=1.91
sdW=212.6
fwW=1.91
sdS=36.7
fwS=1.99
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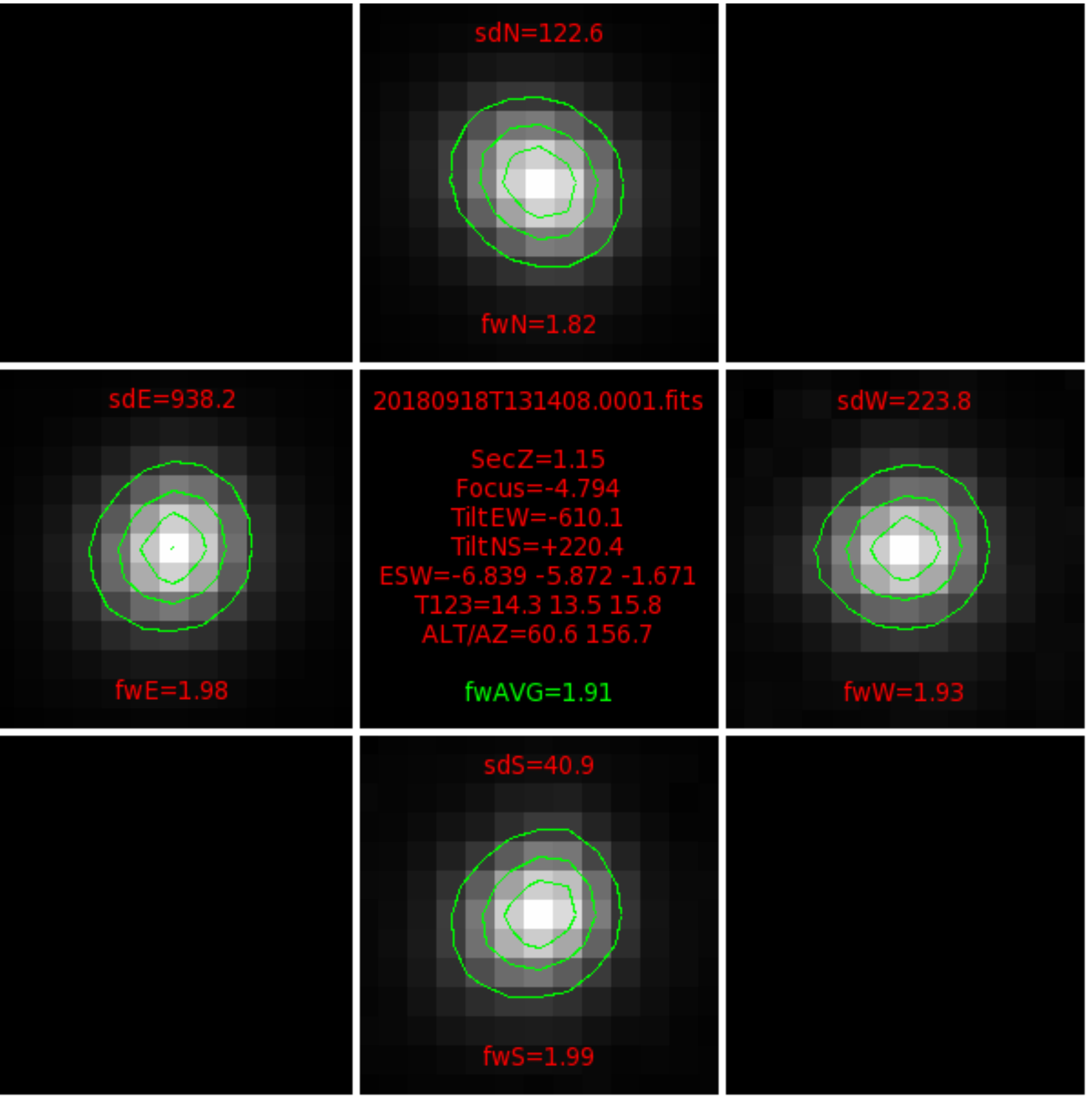
sdN=122.6
fwN=1.82
sdE=938.2
fwE=1.98
20180918T131408.0001.fits
SecZ=1.15
Focus=-4.794
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.839 -5.872 -1.671
T123=14.3 13.5 15.8
ALT/AZ=60.6 156.7
fwAVG=1.91
sdW=223.8
fwW=1.93
sdS=40.9
fwS=1.99
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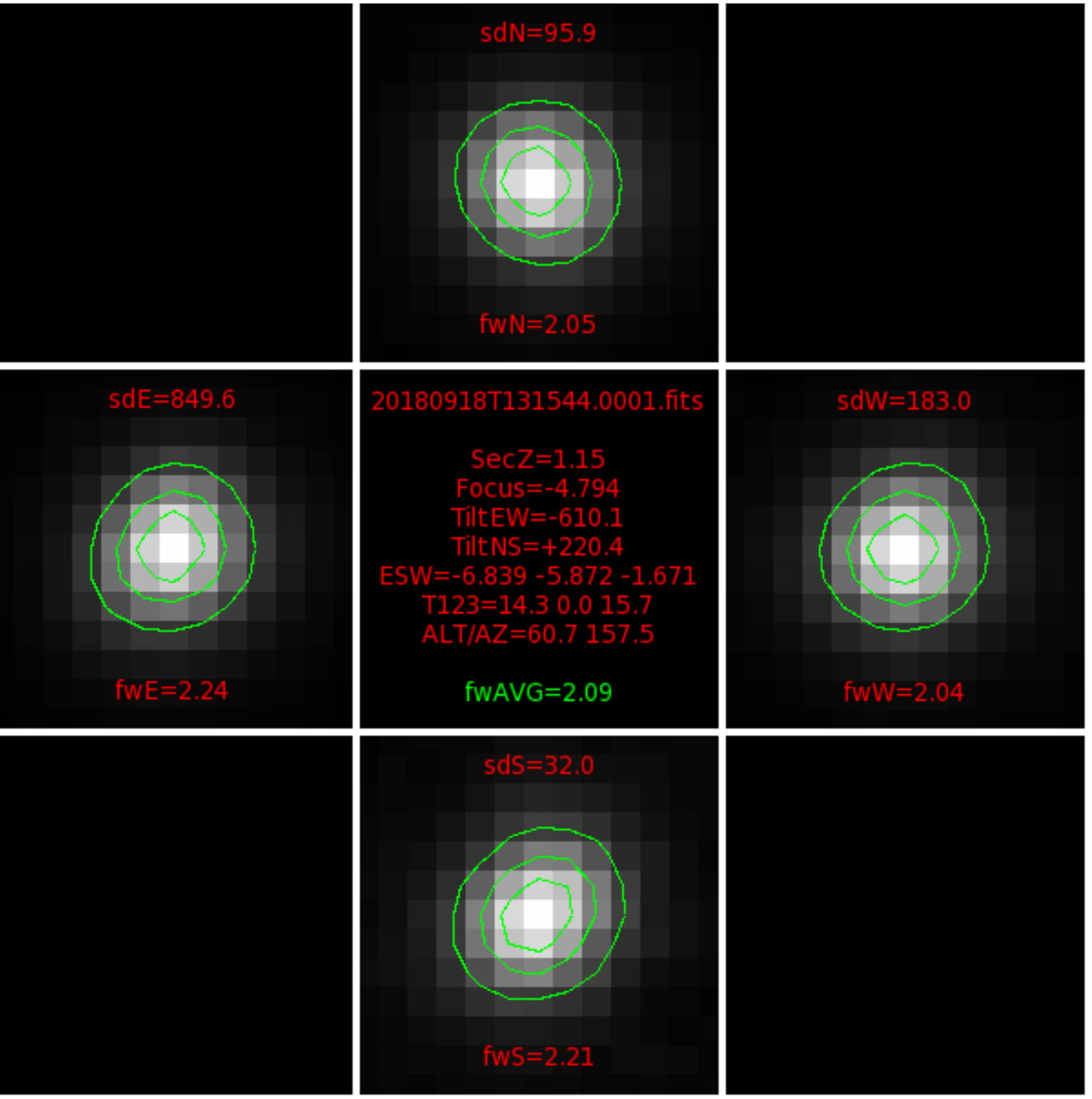
sdN=95.9
fwN=2.05
sdE=849.6
fwE=2.24
20180918T131544.0001.fits
SecZ=1.15
Focus=-4.794
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.839 -5.872 -1.671
T123=14.3 0.0 15.7
ALT/AZ=60.7 157.5
fwAVG=2.09
sdW=183.0
fwW=2.04
sdS=32.0
fwS=2.21
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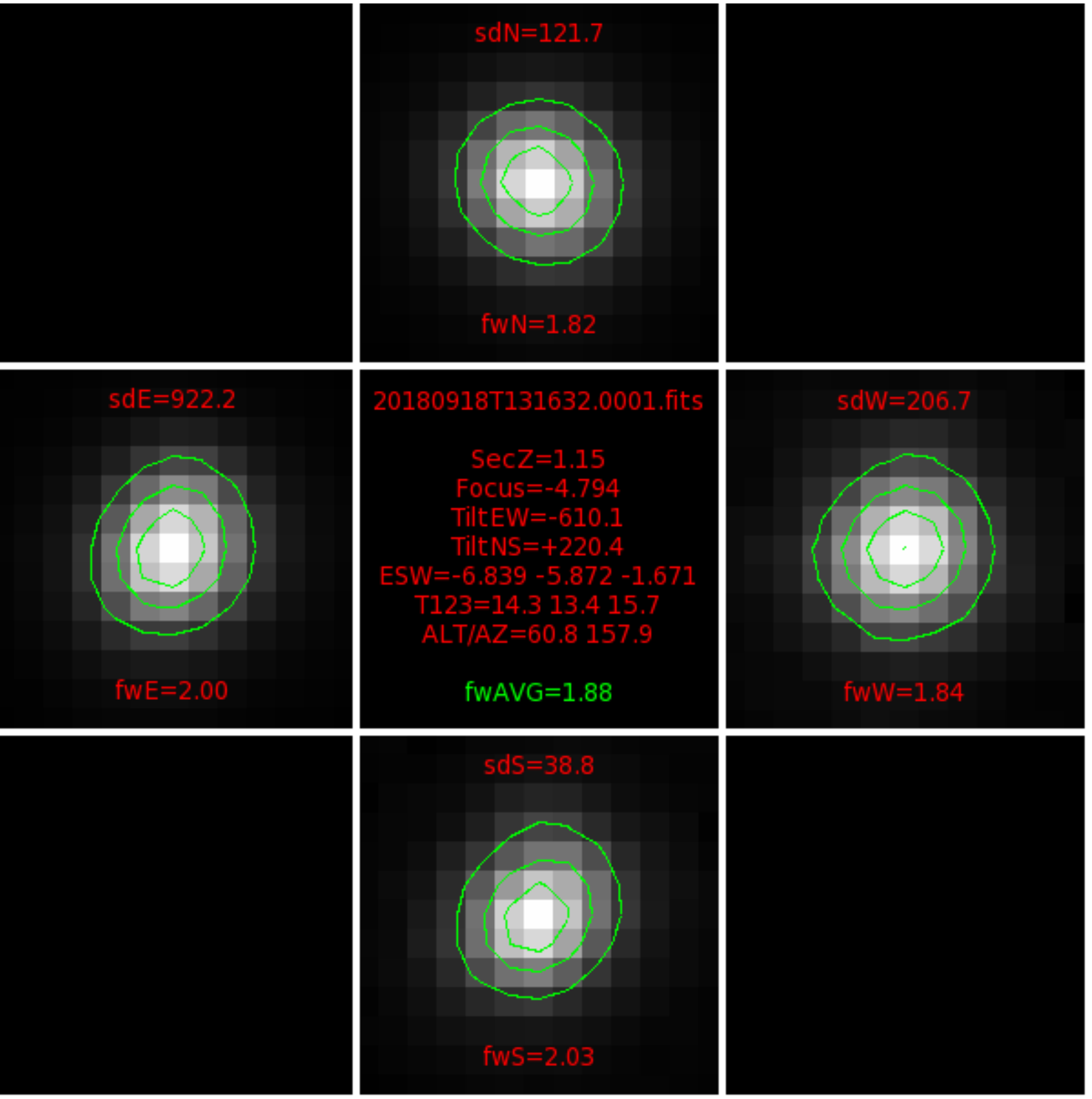
sdN=121.7
fwN=1.82
sdE=922.2
fwE=2.00
20180918T131632.0001.fits
SecZ=1.15
Focus=-4.794
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.839 -5.872 -1.671
T123=14.3 13.4 15.7
ALT/AZ=60.8 157.9
fwAVG=1.88
sdW=206.7
fwW=1.84
sdS=38.8
fwS=2.03
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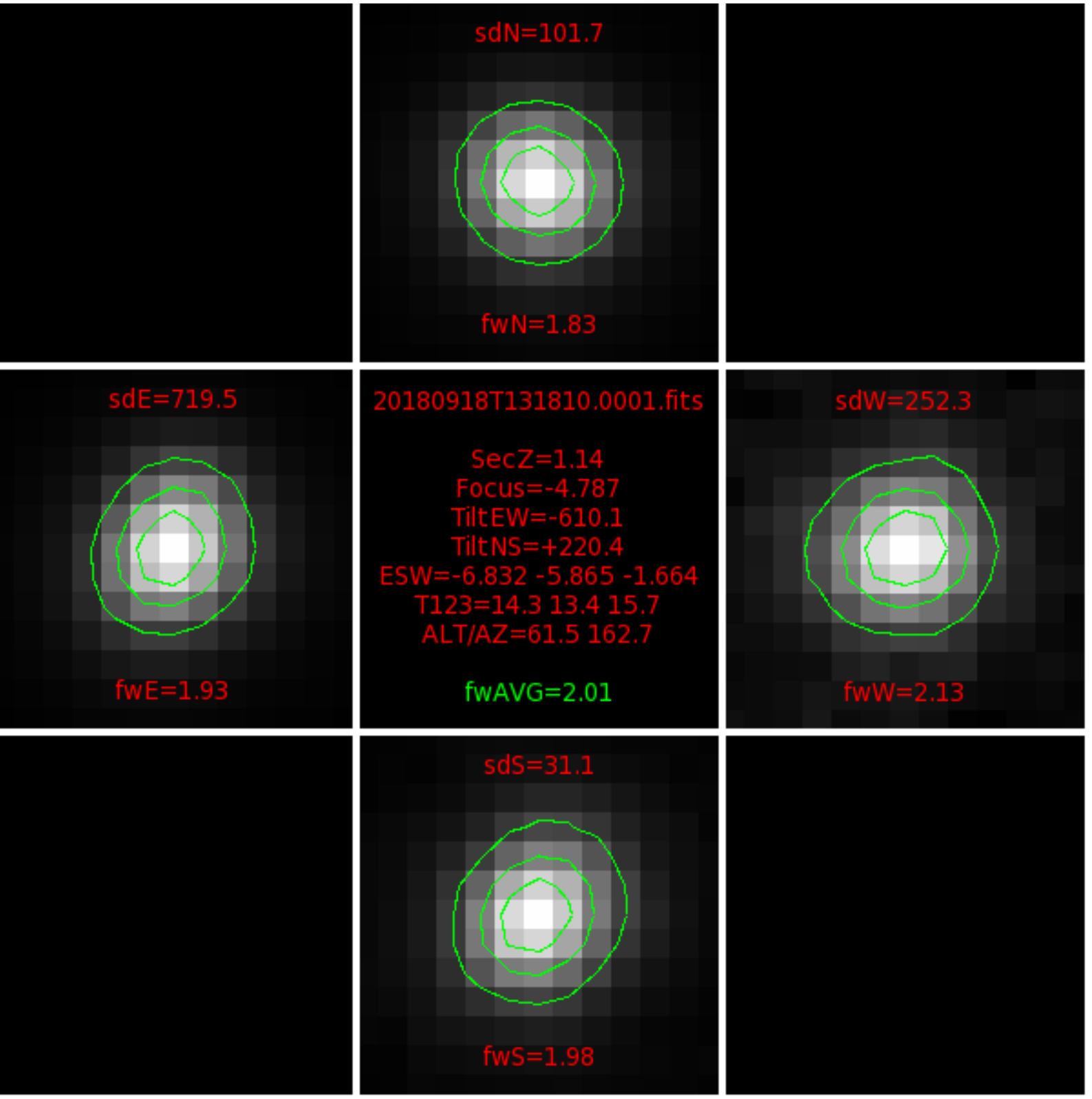
sdN=101.7
fwN=1.83
sdE=719.5
fwE=1.93
20180918T131810.0001.fits
SecZ=1.14
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=14.3 13.4 15.7
ALT/AZ=61.5 162.7
fwAVG=2.01
sdW=252.3
fwW=2.13
sdS=31.1
fwS=1.98
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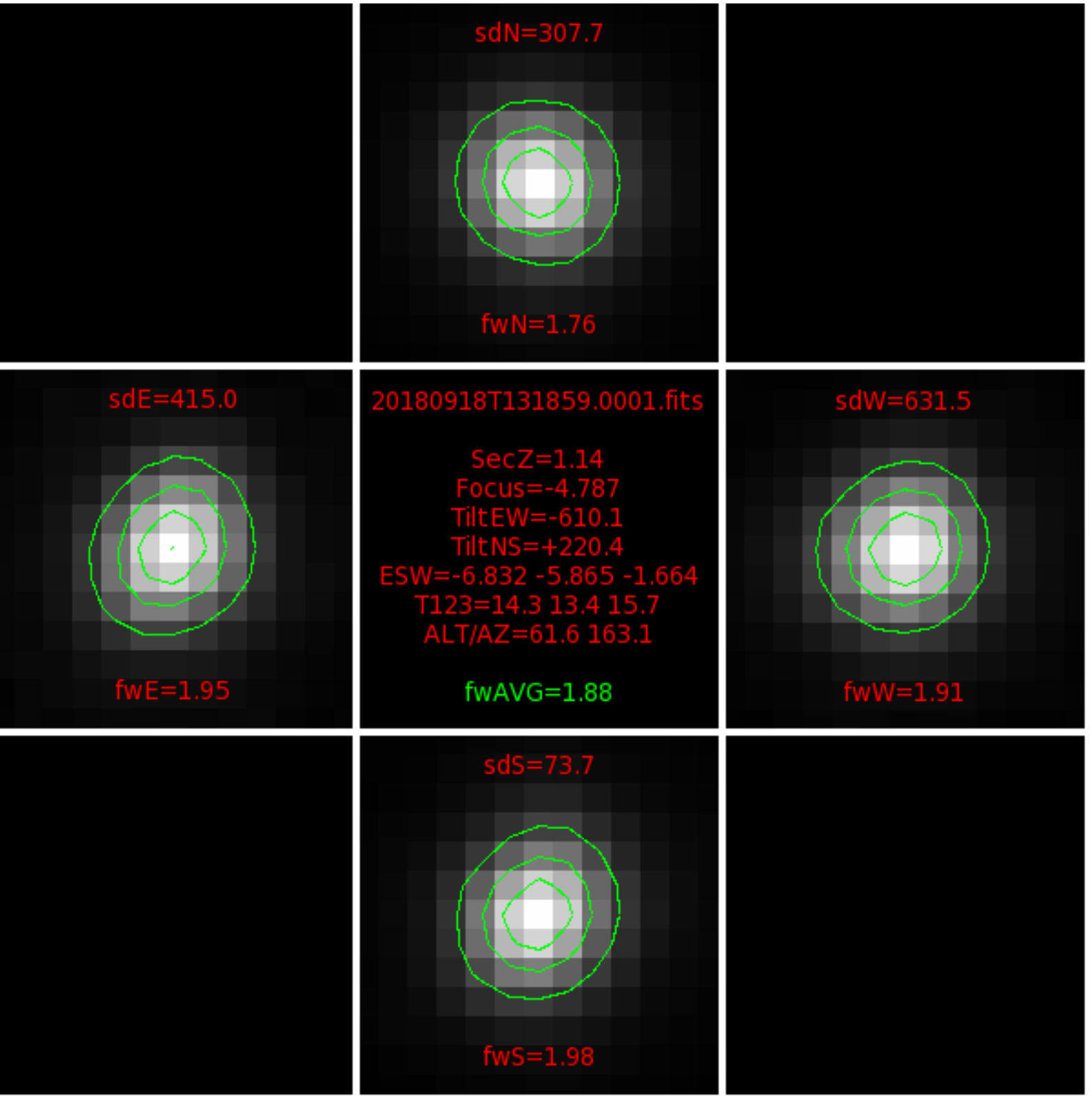
sdN=307.7
fwN=1.76
sdE=415.0
fwE=1.95
20180918T131859.0001.fits
SecZ=1.14
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=14.3 13.4 15.7
ALT/AZ=61.6 163.1
fwAVG=1.88
sdW=631.5
fwW=1.91
sdS=73.7
fwS=1.98
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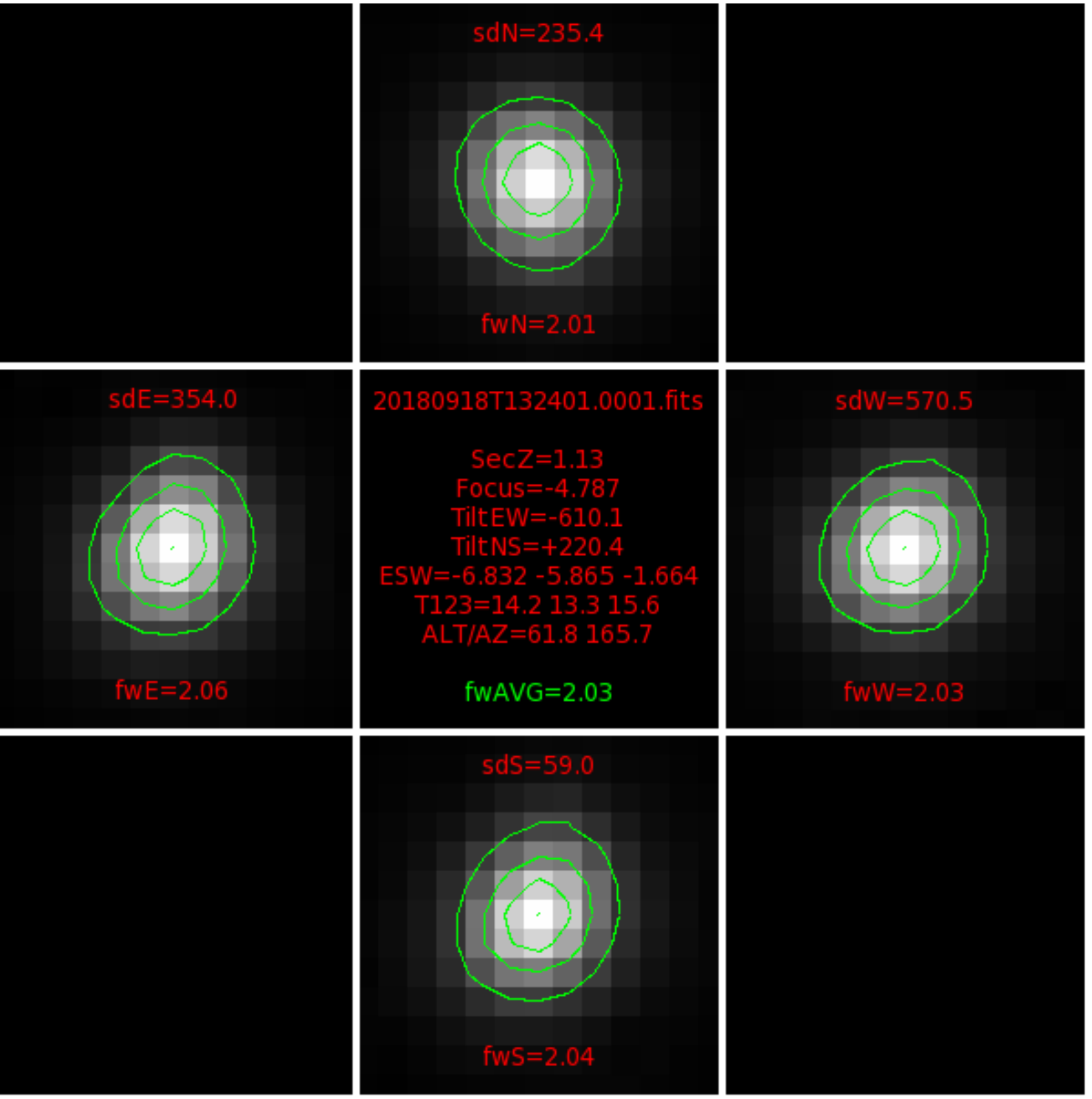
sdN=235.4
fwN=2.01
sdE=354.0
fwE=2.06
20180918T132401.0001.fits
SecZ=1.13
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=14.2 13.3 15.6
ALT/AZ=61.8 165.7
fwAVG=2.03
sdW=570.5
fwW=2.03
sdS=59.0
fwS=2.04
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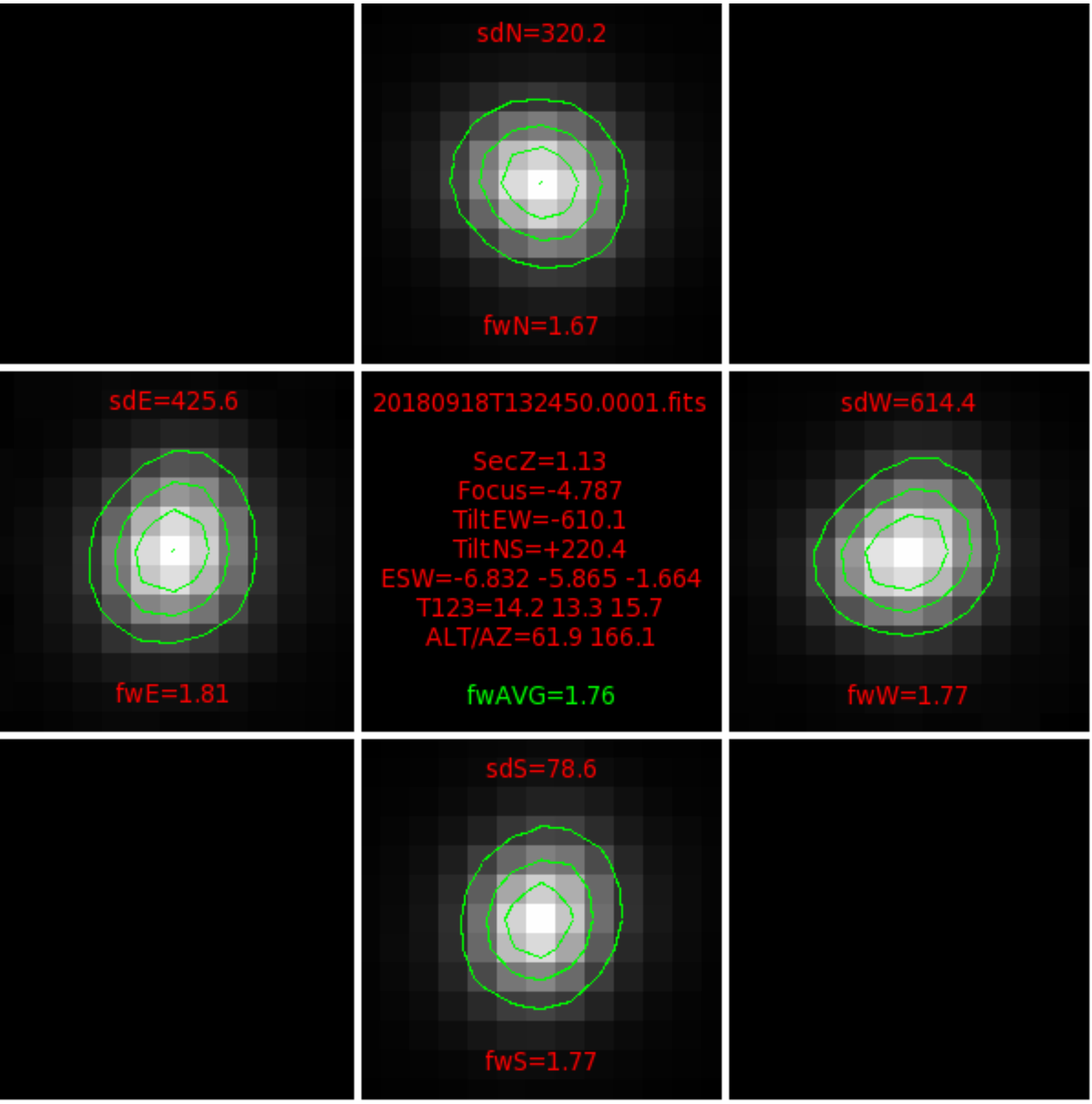
sdN=320.2
fwN=1.67
sdE=425.6
fwE=1.81
20180918T132450.0001.fits
SecZ=1.13
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=14.2 13.3 15.7
ALT/AZ=61.9 166.1
fwAVG=1.76
sdW=614.4
fwW=1.77
sdS=78.6
fwS=1.77
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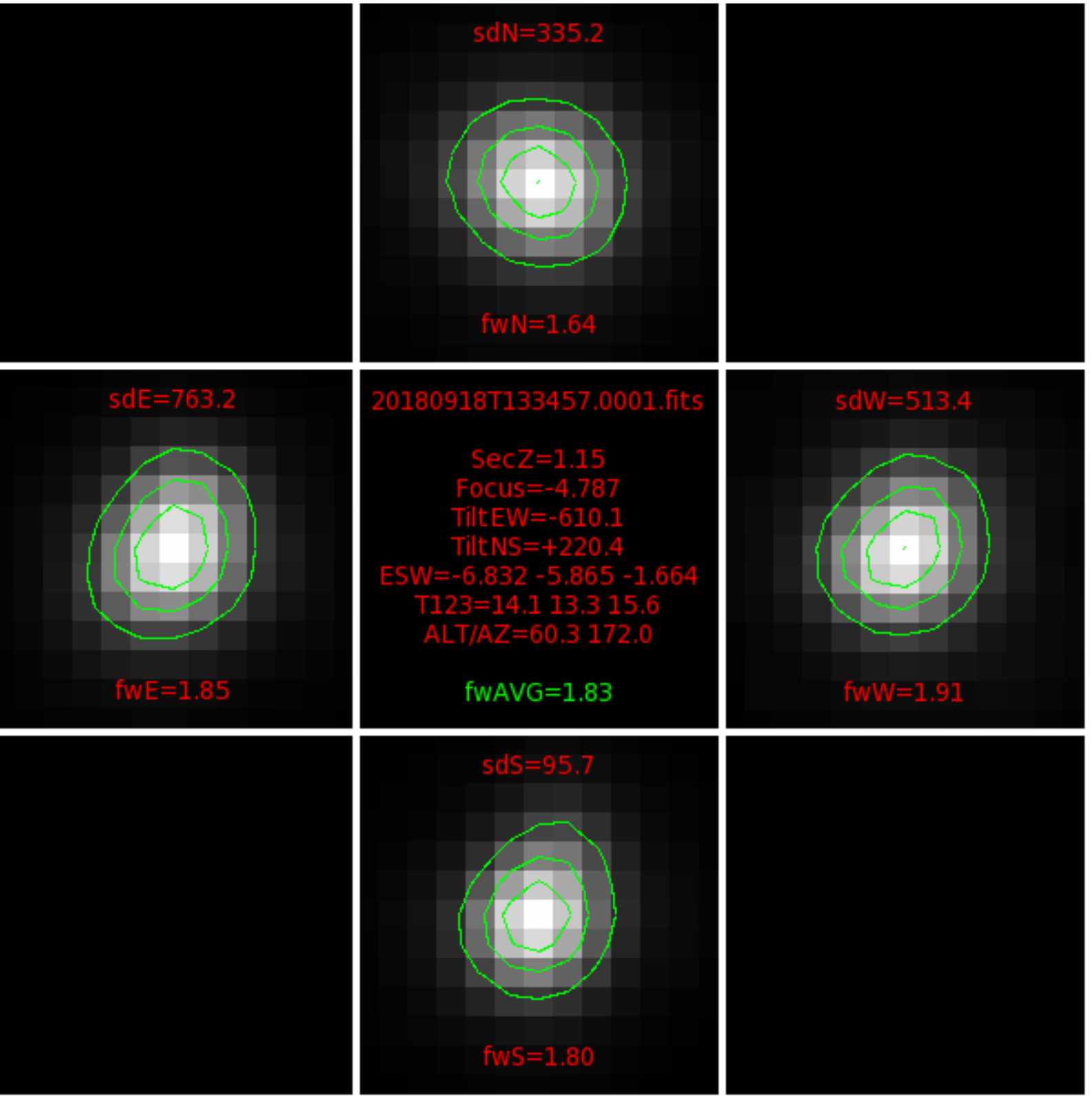
sdN=335.2
fwN=1.64
sdE=763.2
fwE=1.85
20180918T133457.0001.fits
SecZ=1.15
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=14.1 13.3 15.6
ALT/AZ=60.3 172.0
fwAVG=1.83
sdW=513.4
fwW=1.91
sdS=95.7
fwS=1.80
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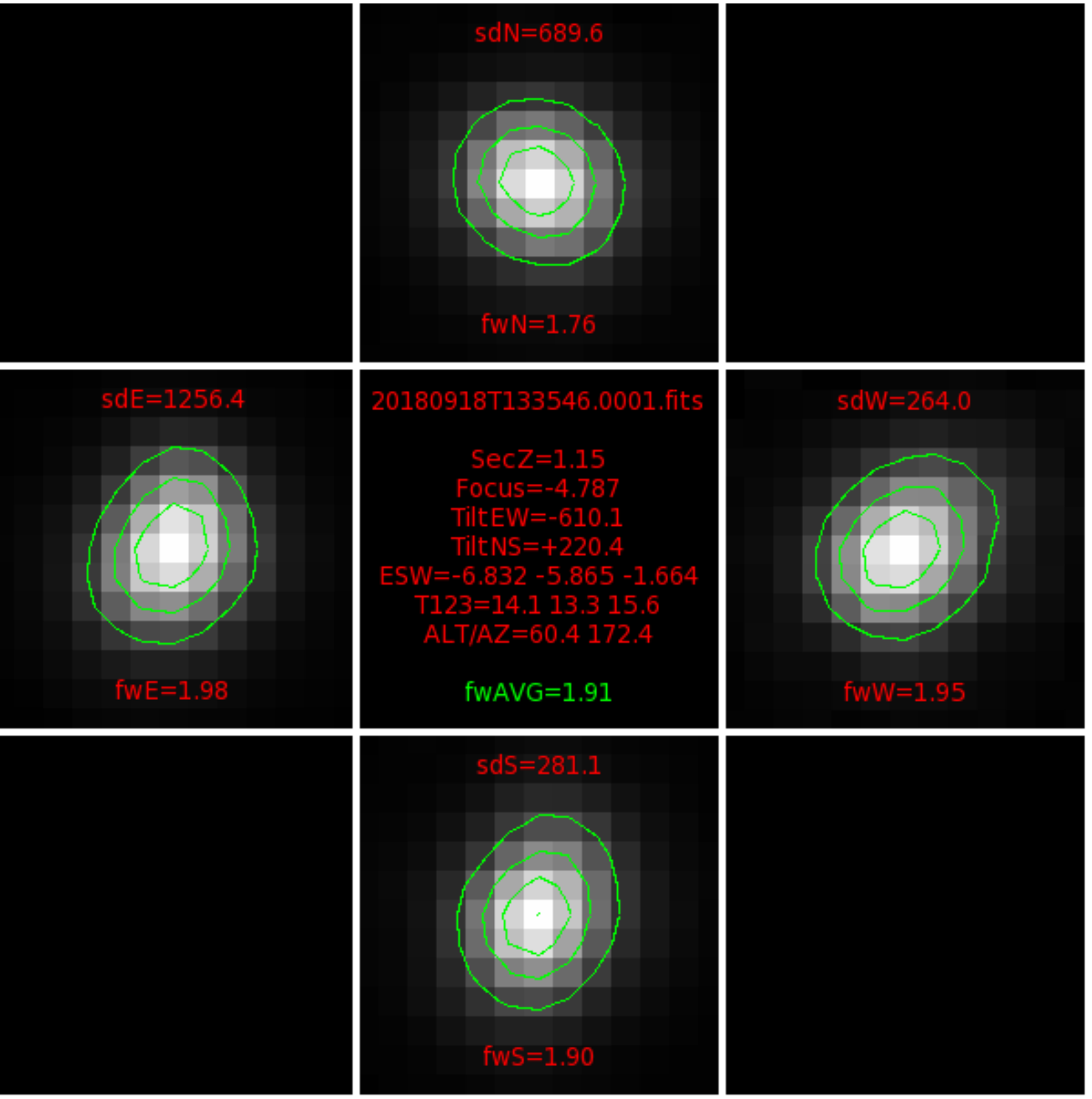
sdN=689.6
fwN=1.76
sdE=1256.4
fwE=1.98
20180918T133546.0001.fits
SecZ=1.15
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=14.1 13.3 15.6
ALT/AZ=60.4 172.4
fwAVG=1.91
sdW=264.0
fwW=1.95
sdS=281.1
fwS=1.90
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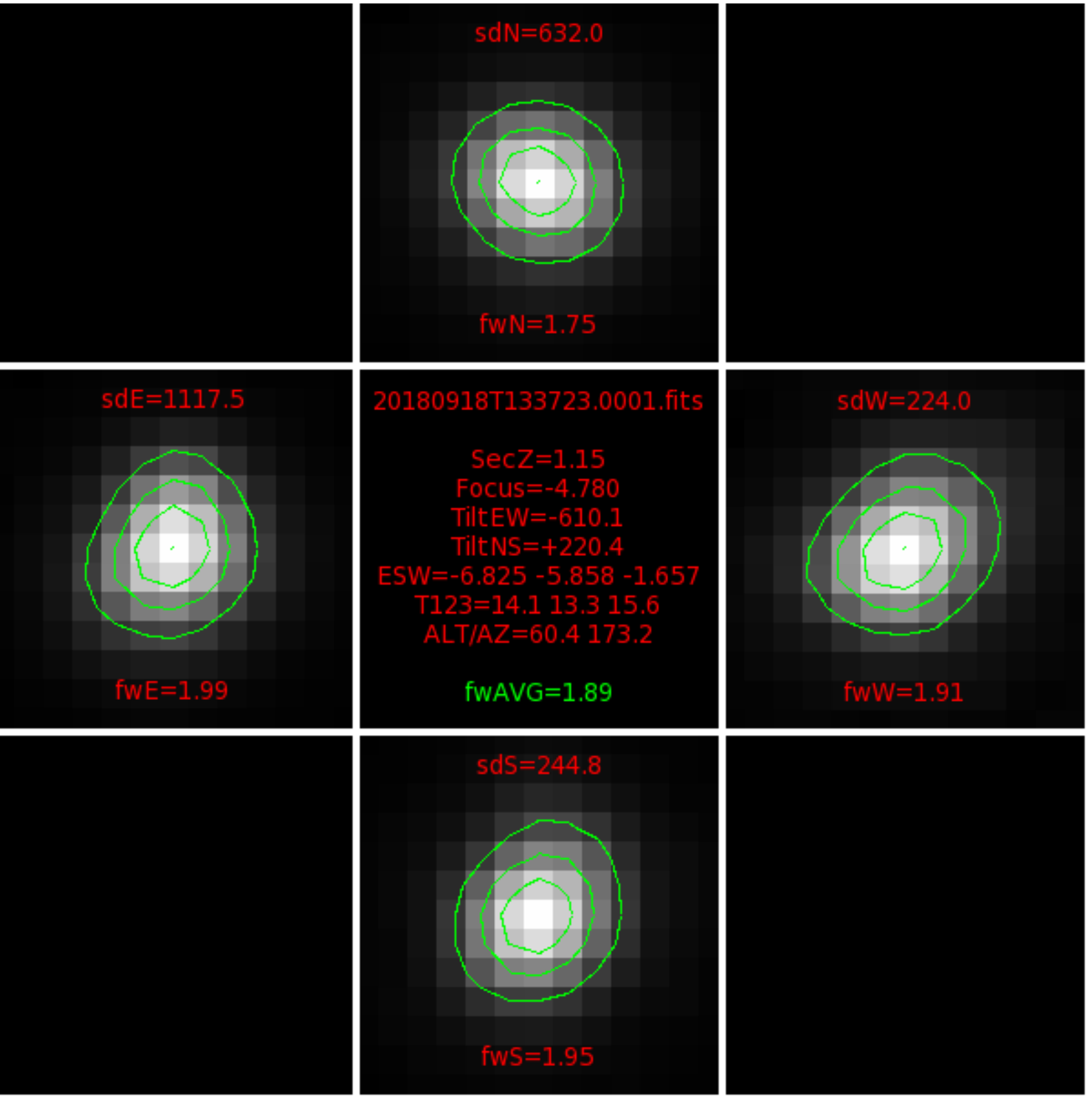
sdN=632.0
fwN=1.75
sdE=1117.5
fwE=1.99
20180918T133723.0001.fits
SecZ=1.15
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=14.1 13.3 15.6
ALT/AZ=60.4 173.2
fwAVG=1.89
sdW=224.0
fwW=1.91
sdS=244.8
fwS=1.95
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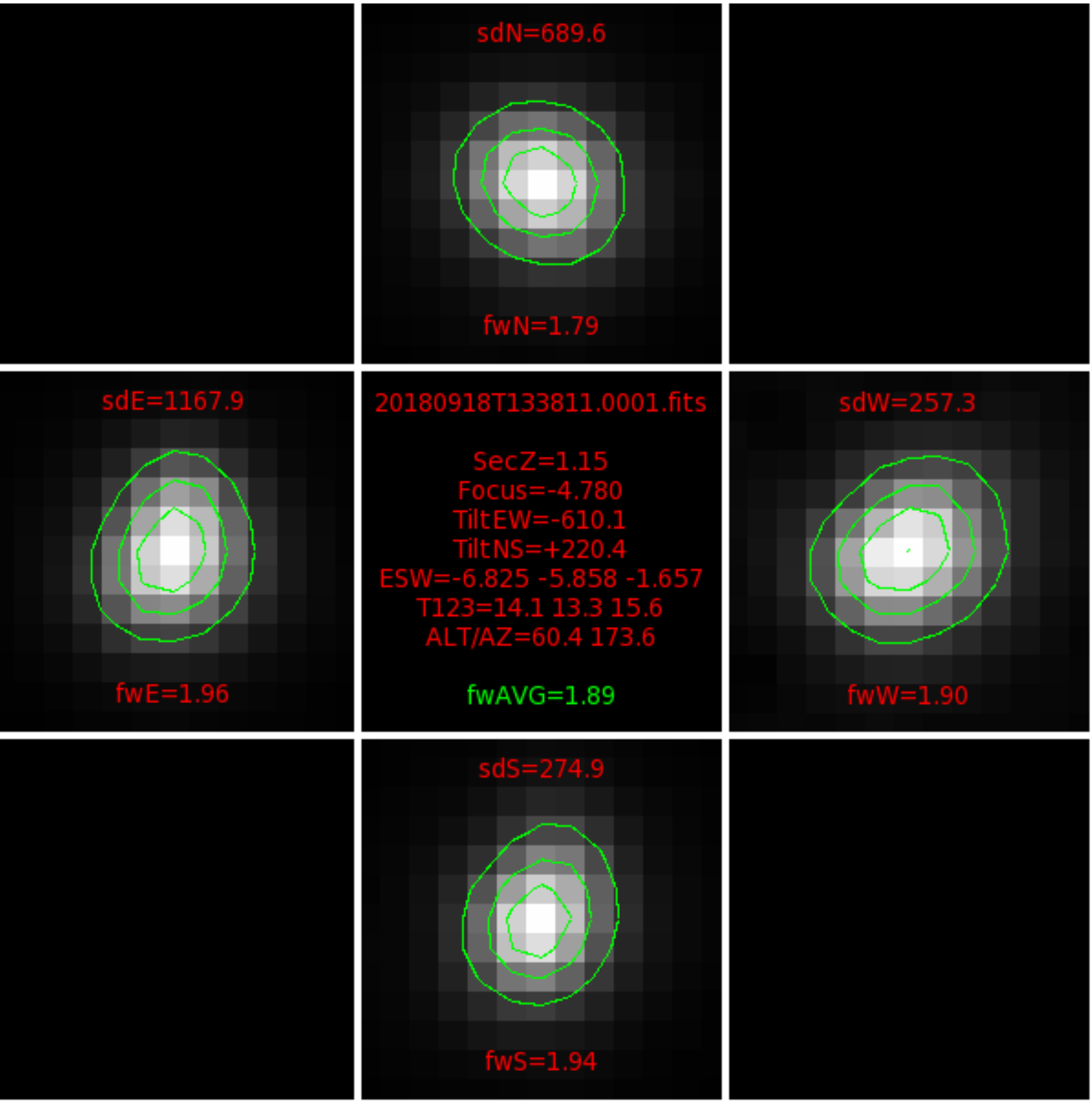
sdN=689.6
fwN=1.79
sdE=1167.9
fwE=1.96
20180918T133811.0001.fits
SecZ=1.15
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=14.1 13.3 15.6
ALT/AZ=60.4 173.6
fwAVG=1.89
sdW=257.3
fwW=1.90
sdS=274.9
fwS=1.94
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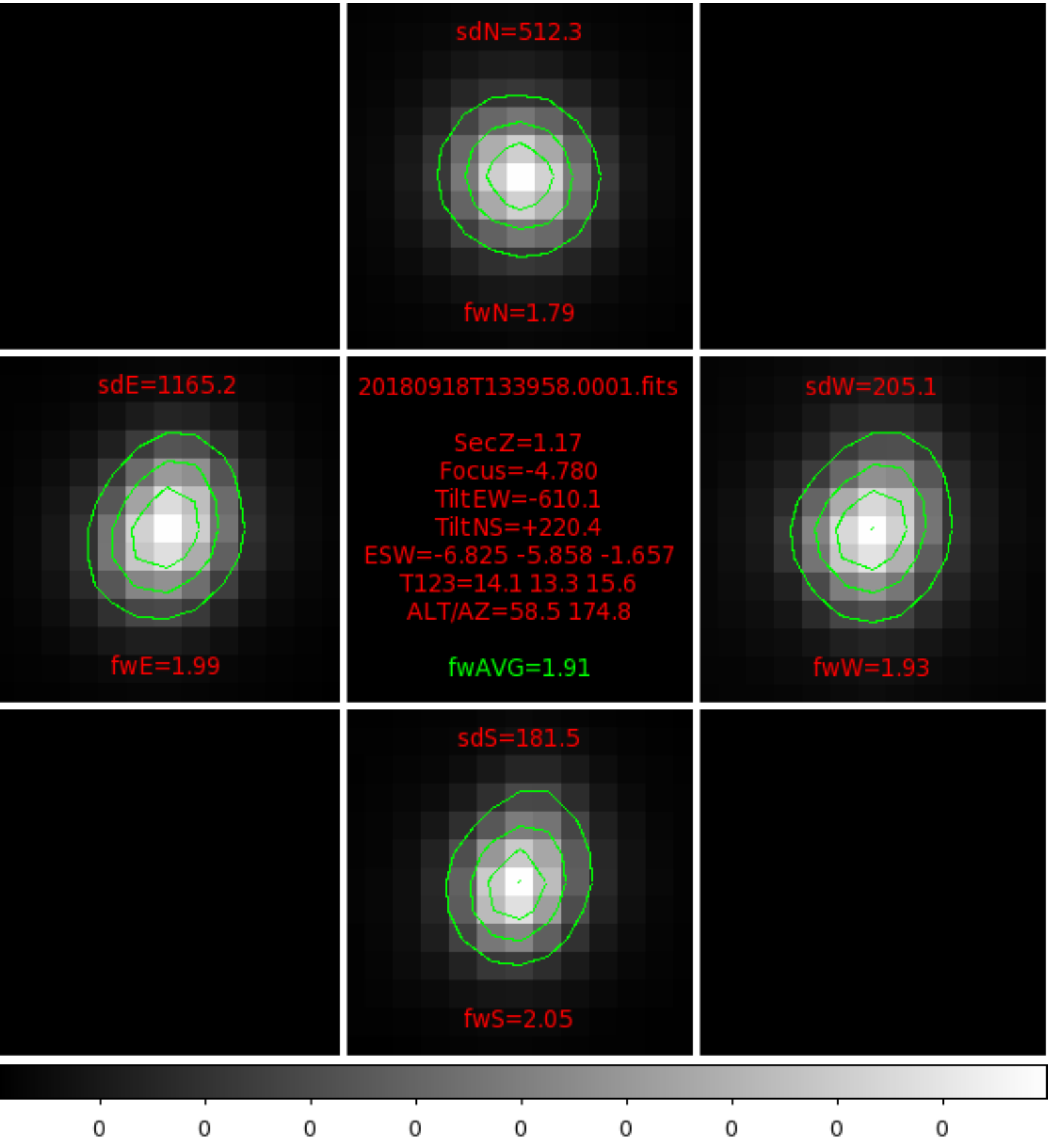
sdN=512.3
fwN=1.79
sdE=1165.2
fwE=1.99
20180918T133958.0001.fits
SecZ=1.17
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=14.1 13.3 15.6
ALT/AZ=58.5 174.8
fwAVG=1.91
sdW=205.1
fwW=1.93
sdS=181.5
fwS=2.05
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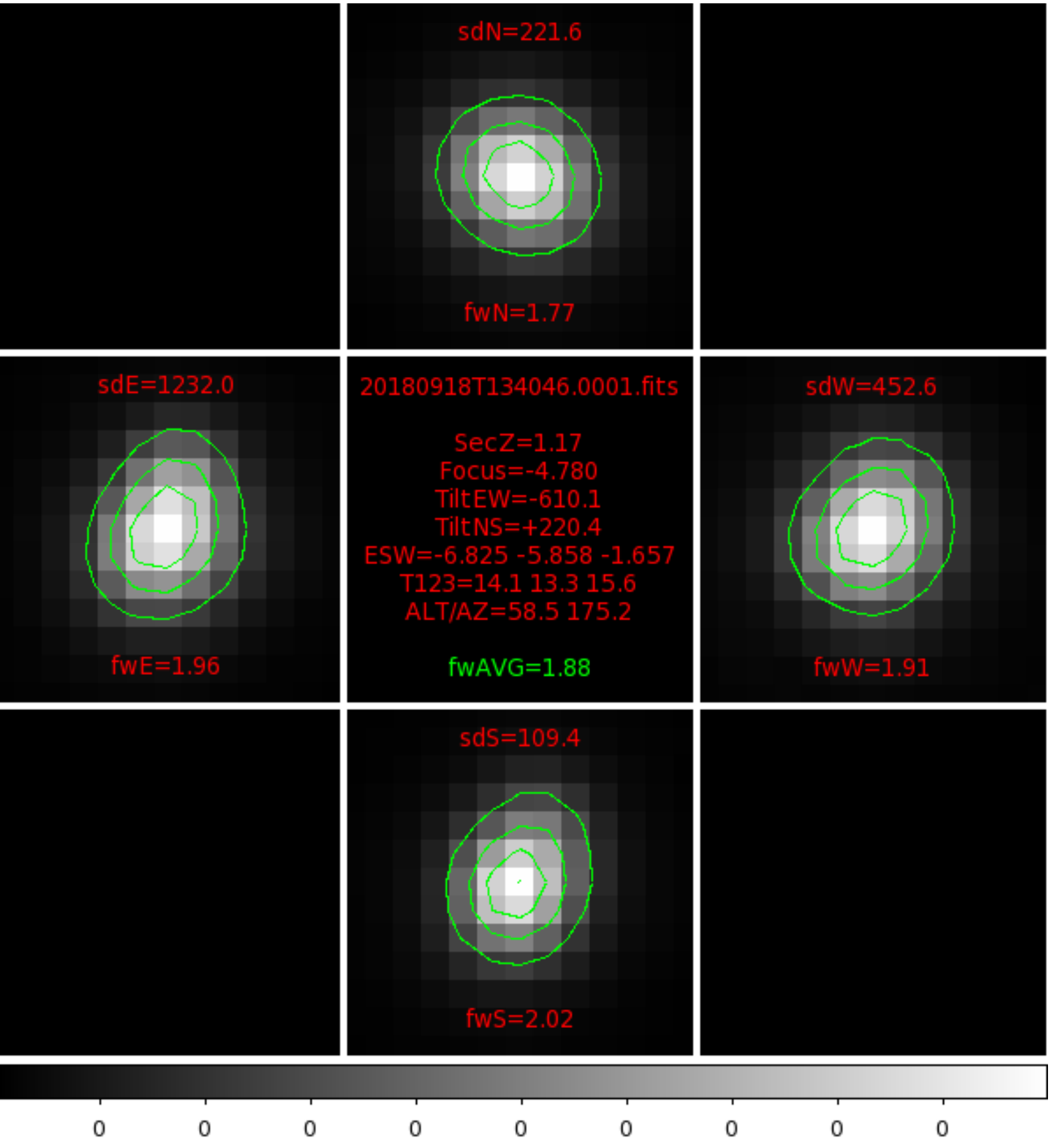
sdN=221.6
fwN=1.77
sdE=1232.0
fwE=1.96
20180918T134046.0001.fits
SecZ=1.17
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=14.1 13.3 15.6
ALT/AZ=58.5 175.2
fwAVG=1.88
sdW=452.6
fwW=1.91
sdS=109.4
fwS=2.02
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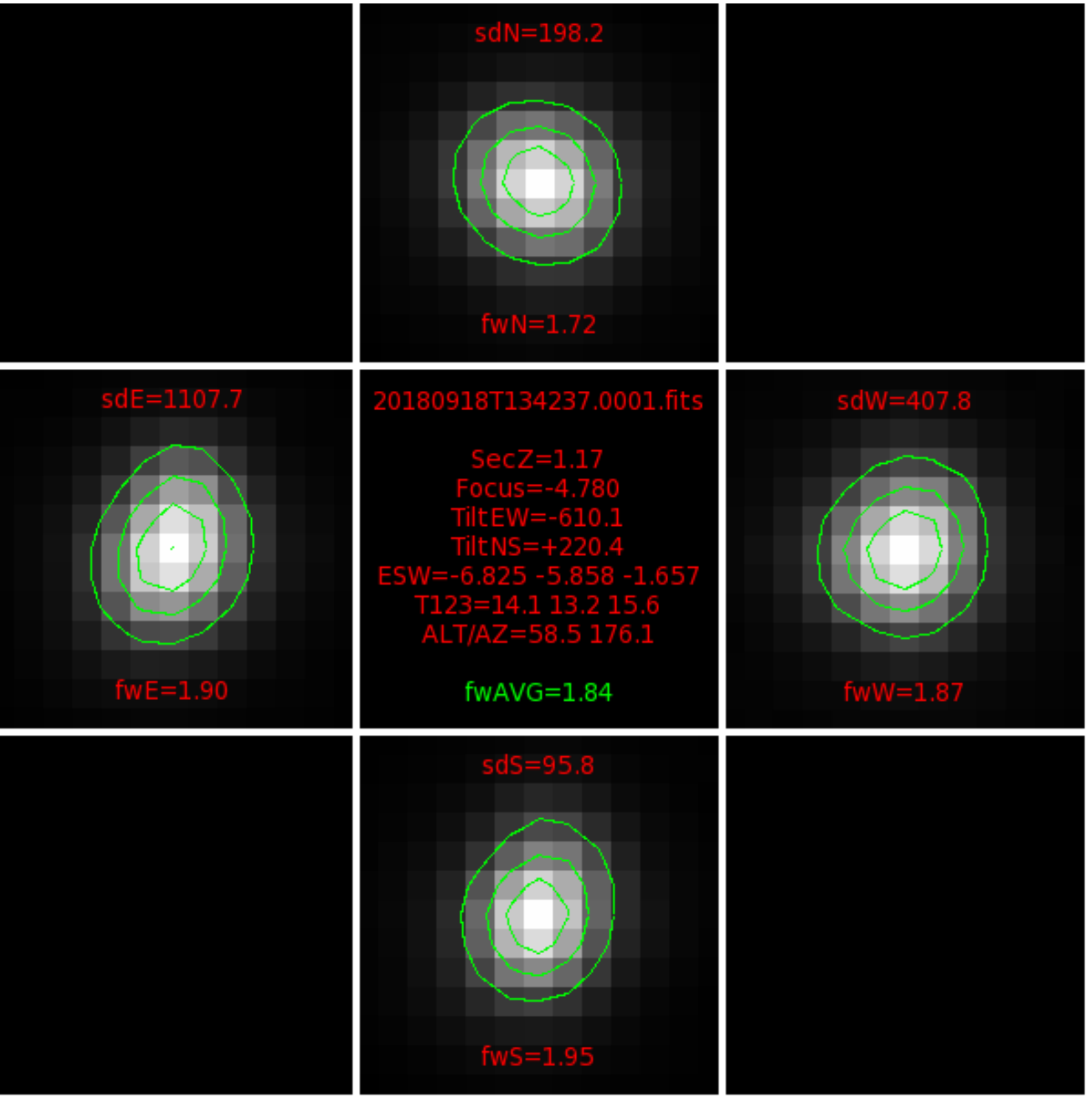
sdN=198.2
fwN=1.72
sdE=1107.7
fwE=1.90
20180918T134237.0001.fits
SecZ=1.17
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=14.1 13.2 15.6
ALT/AZ=58.5 176.1
fwAVG=1.84
sdW=407.8
fwW=1.87
sdS=95.8
fwS=1.95
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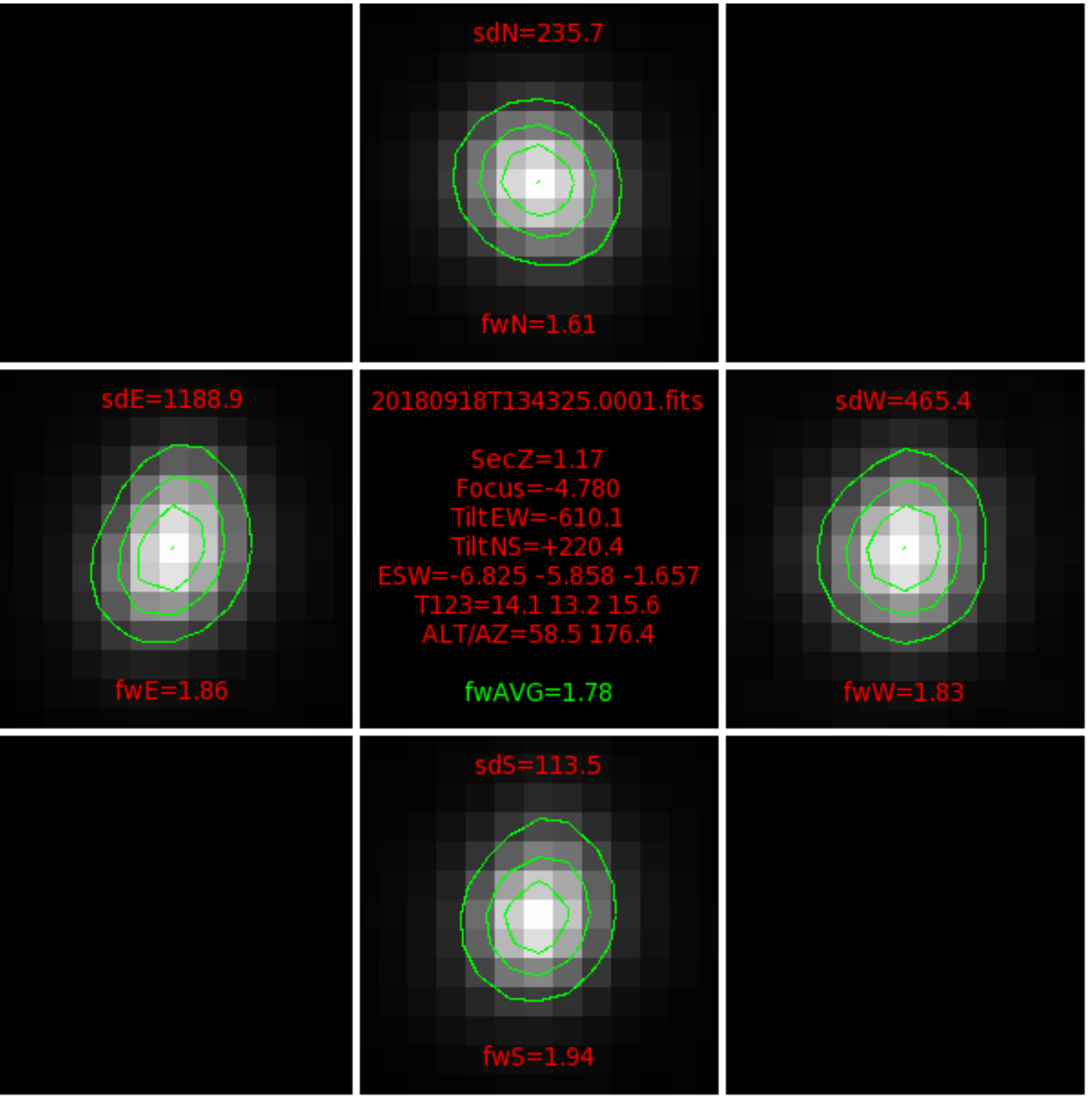
sdN=235.7
fwN=1.61
sdE=1188.9
fwE=1.86
20180918T134325.0001.fits
SecZ=1.17
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=14.1 13.2 15.6
ALT/AZ=58.5 176.4
fwAVG=1.78
sdW=465.4
fwW=1.83
sdS=113.5
fwS=1.94
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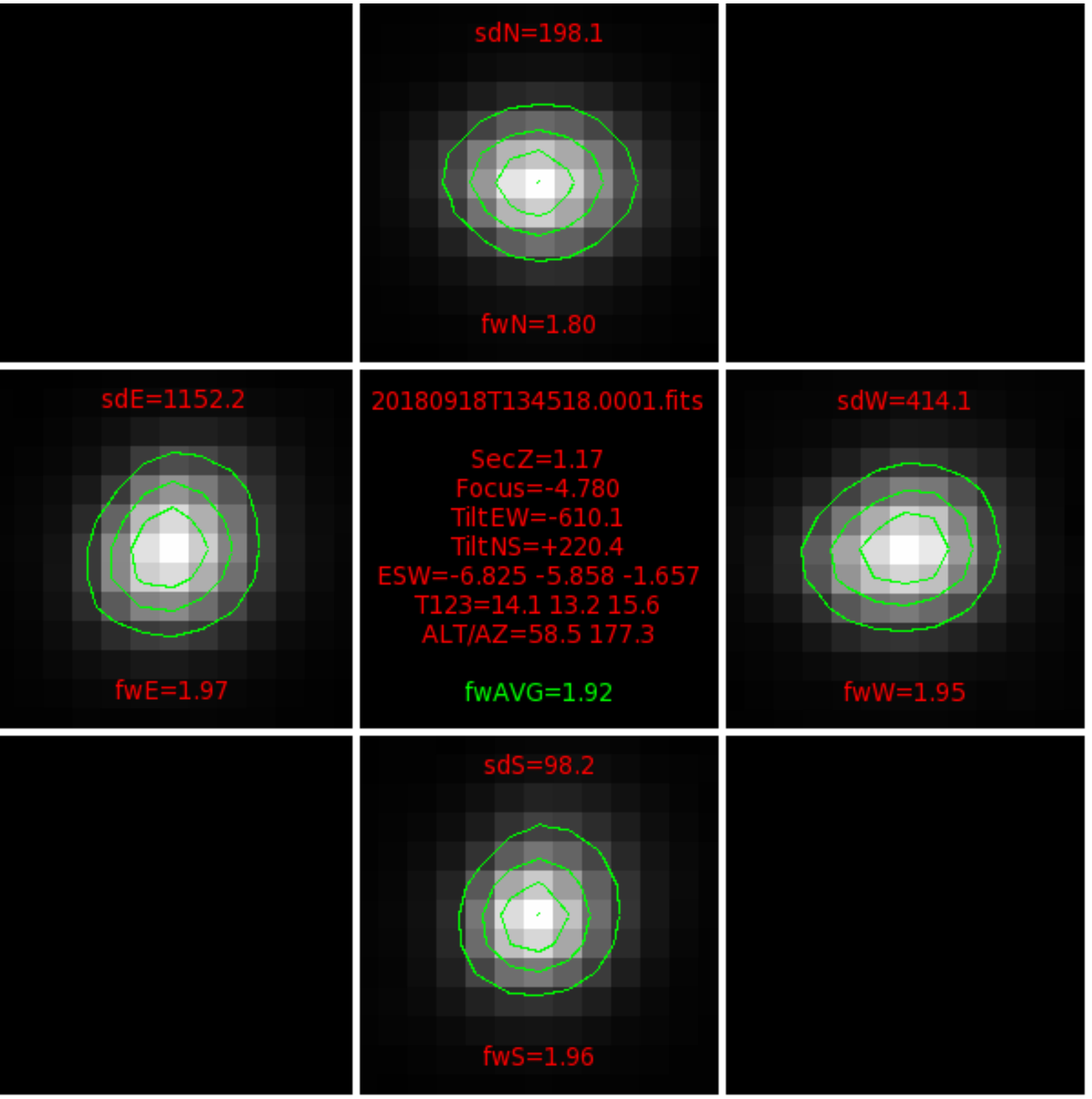
sdN=198.1
fwN=1.80
sdE=1152.2
fwE=1.97
20180918T134518.0001.fits
SecZ=1.17
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=14.1 13.2 15.6
ALT/AZ=58.5 177.3
fwAVG=1.92
sdW=414.1
fwW=1.95
sdS=98.2
fwS=1.96
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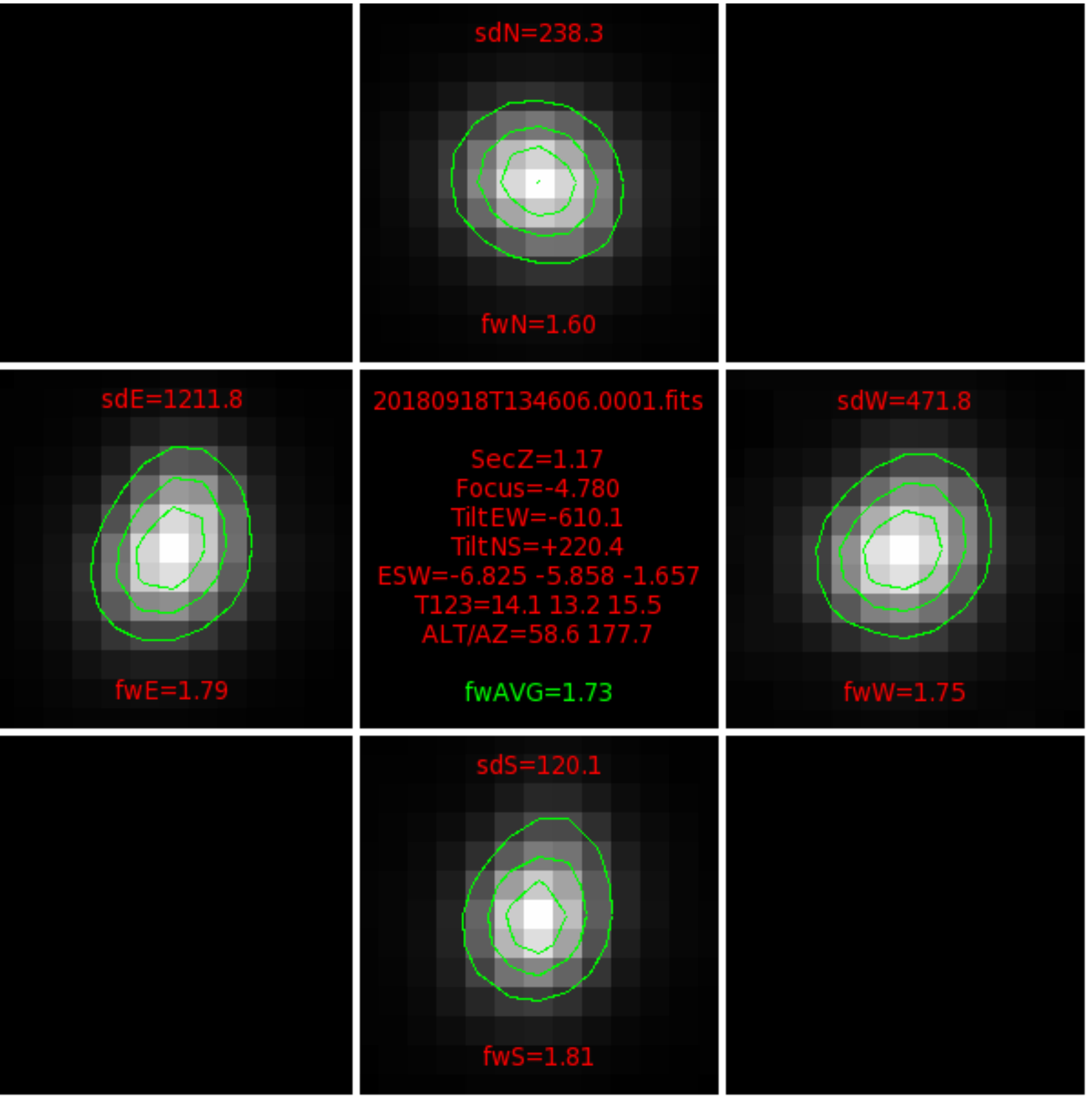
sdN=238.3
fwN=1.60
sdE=1211.8
fwE=1.79
20180918T134606.0001.fits
SecZ=1.17
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=14.1 13.2 15.5
ALT/AZ=58.6 177.7
fwAVG=1.73
sdW=471.8
fwW=1.75
sdS=120.1
fwS=1.81
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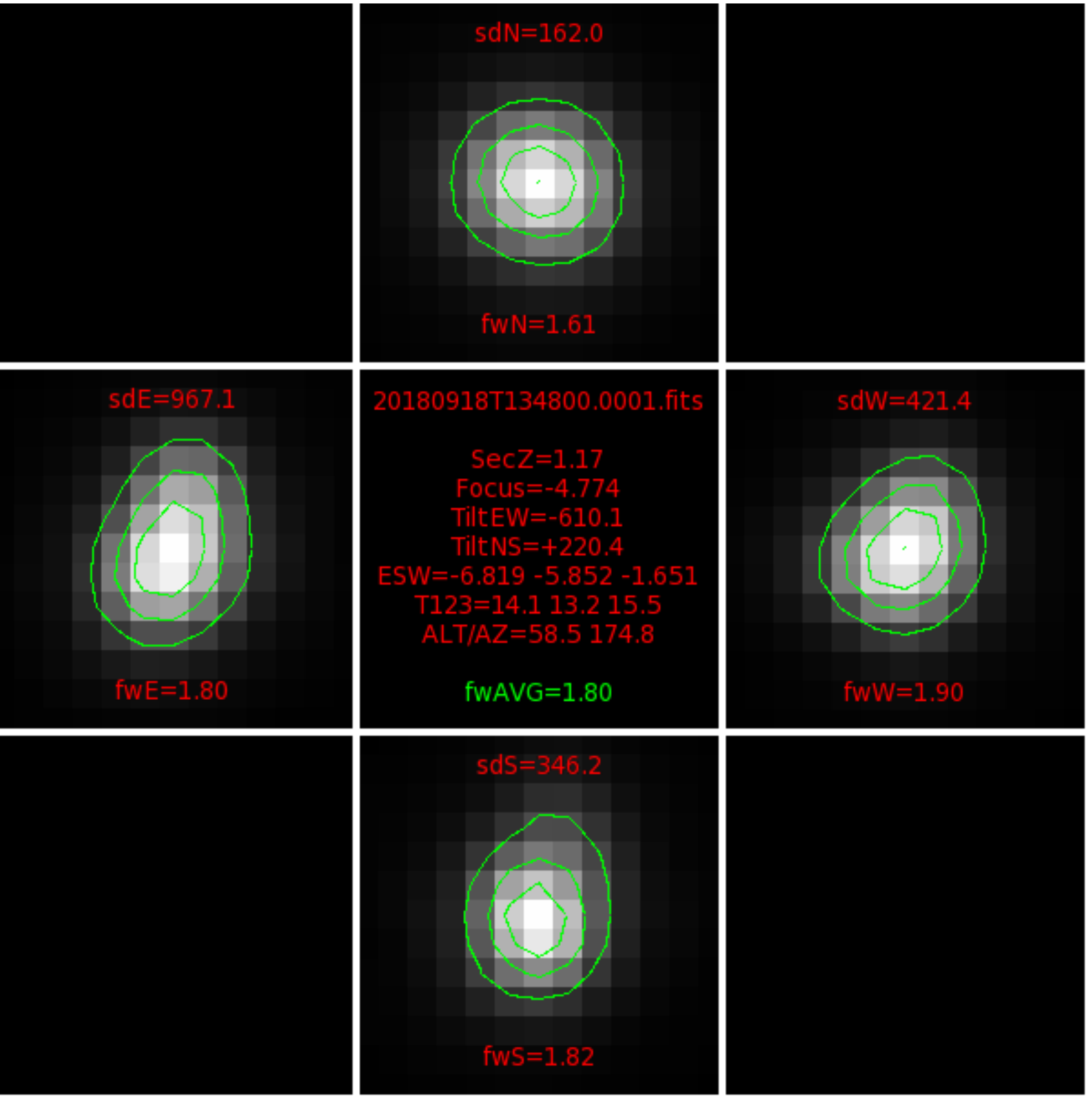
sdN=162.0
fwN=1.61
sdE=967.1
fwE=1.80
20180918T134800.0001.fits
SecZ=1.17
Focus=-4.774
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.819 -5.852 -1.651
T123=14.1 13.2 15.5
ALT/AZ=58.5 174.8
fwAVG=1.80
sdW=421.4
fwW=1.90
sdS=346.2
fwS=1.82
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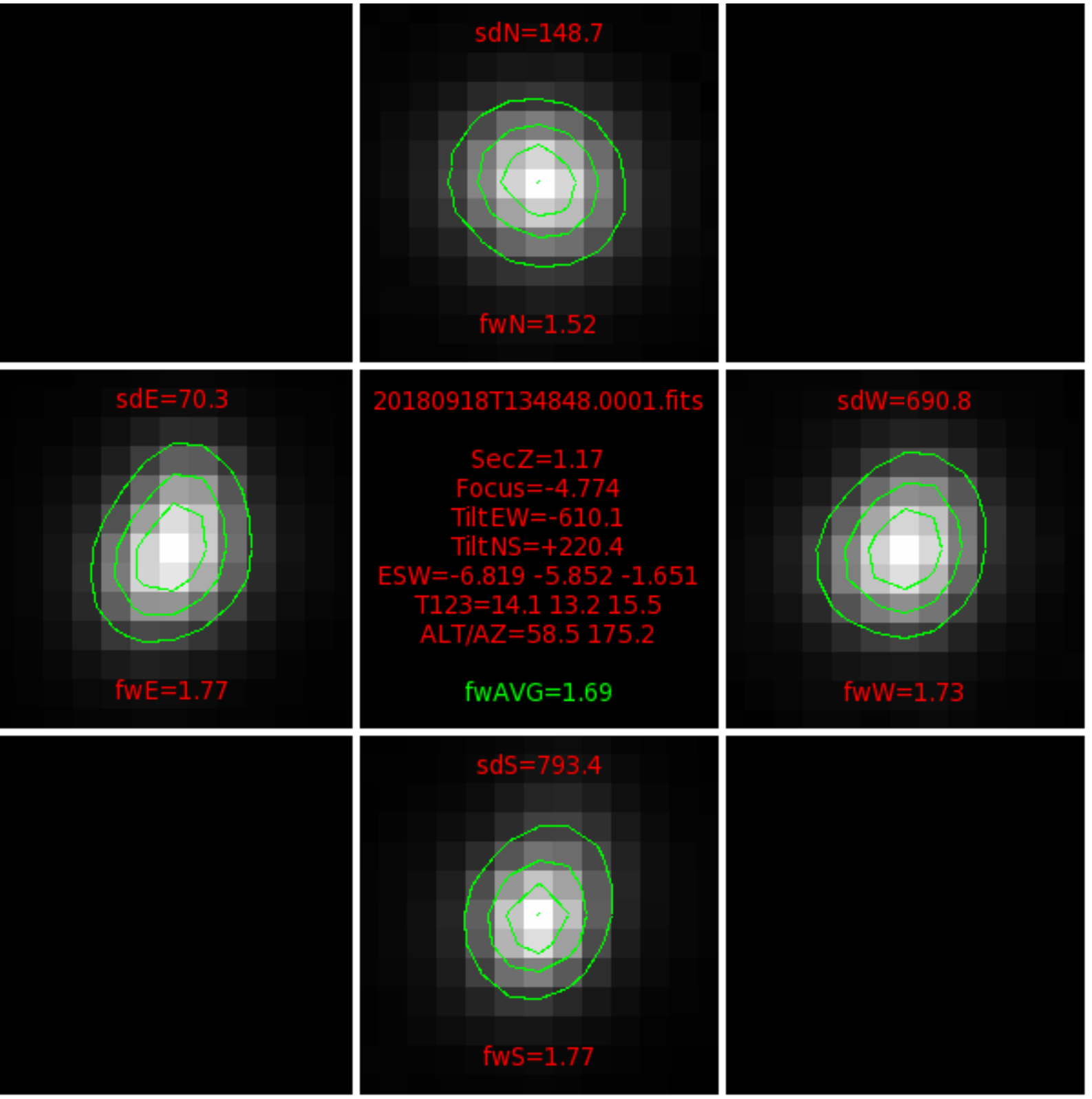
sdN=148.7
fwN=1.52
sdE=70.3
fwE=1.77
20180918T134848.0001.fits
SecZ=1.17
Focus=-4.774
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.819 -5.852 -1.651
T123=14.1 13.2 15.5
ALT/AZ=58.5 175.2
fwAVG=1.69
sdW=690.8
fwW=1.73
sdS=793.4
fwS=1.77
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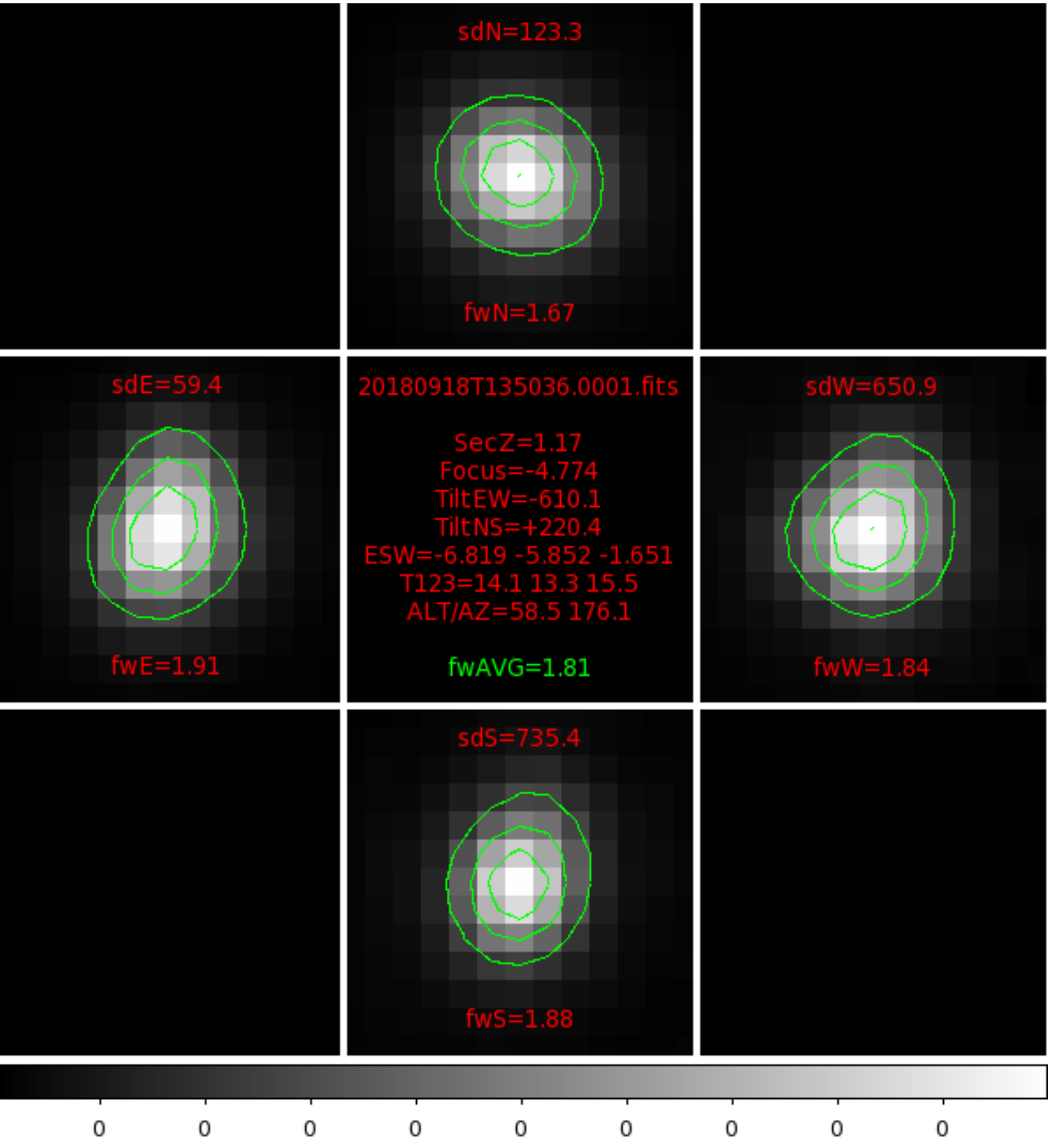
sdN=123.3
fwN=1.67
sdE=59.4
fwE=1.91
20180918T135036.0001.fits
SecZ=1.17
Focus=-4.774
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.819 -5.852 -1.651
T123=14.1 13.3 15.5
ALT/AZ=58.5 176.1
fwAVG=1.81
sdW=650.9
fwW=1.84
sdS=735.4
fwS=1.88
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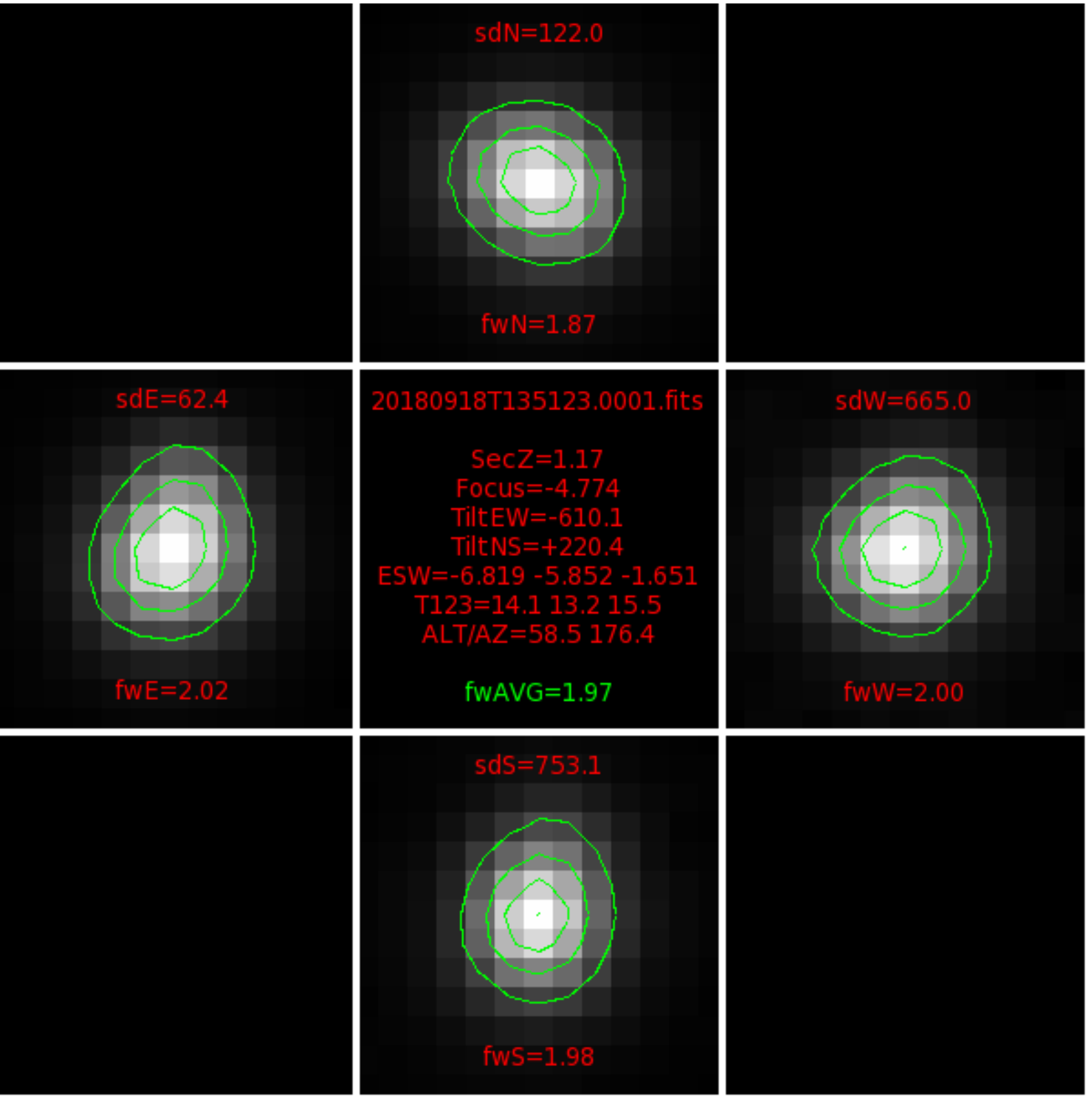
sdN=122.0
fwN=1.87
sdE=62.4
fwE=2.02
20180918T135123.0001.fits
SecZ=1.17
Focus=-4.774
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.819 -5.852 -1.651
T123=14.1 13.2 15.5
ALT/AZ=58.5 176.4
fwAVG=1.97
sdW=665.0
fwW=2.00
sdS=753.1
fwS=1.98
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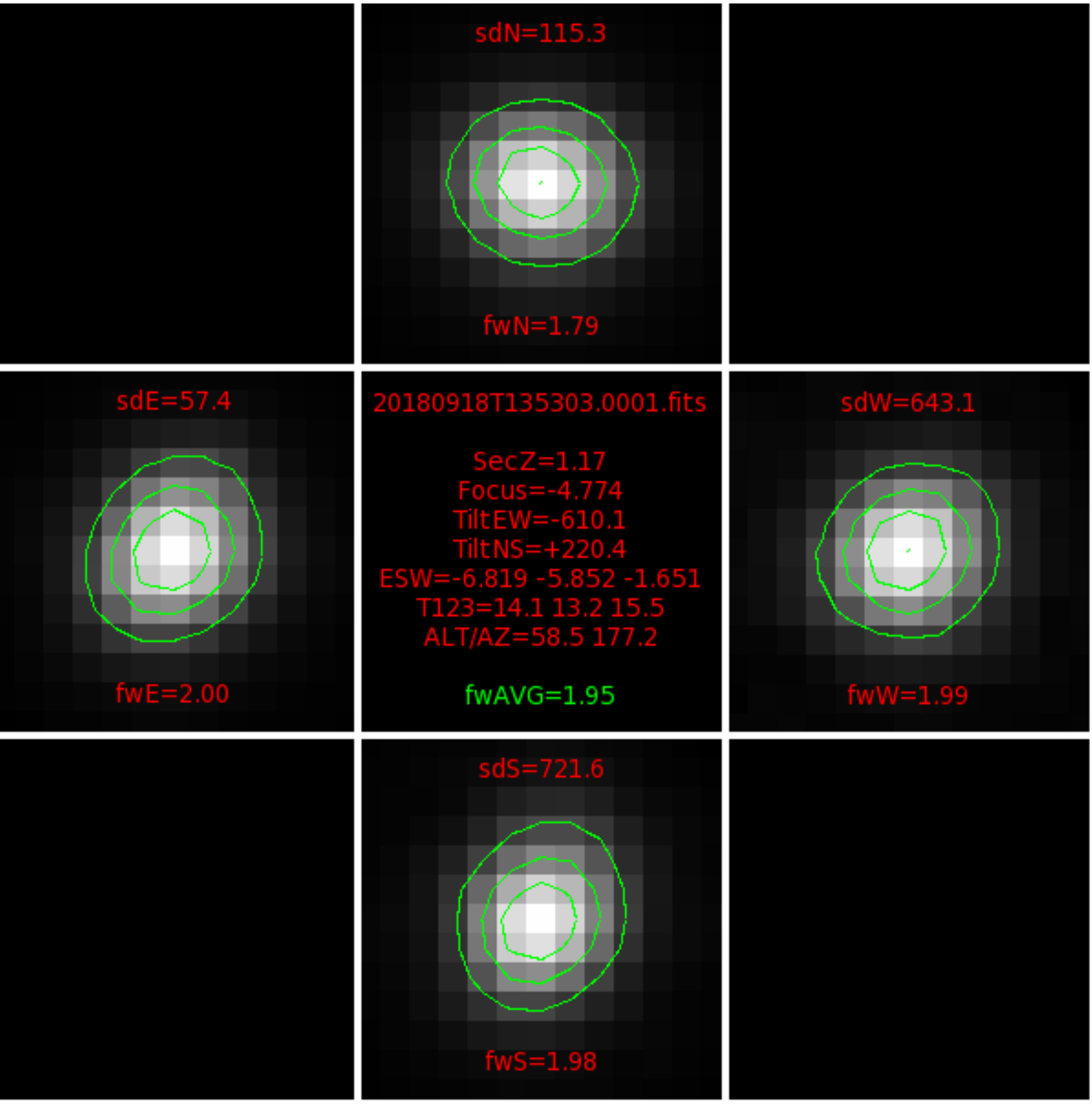
sdN=115.3
fwN=1.79
sdE=57.4
fwE=2.00
20180918T135303.0001.fits
SecZ=1.17
Focus=-4.774
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.819 -5.852 -1.651
T123=14.1 13.2 15.5
ALT/AZ=58.5 177.2
fwAVG=1.95
sdW=643.1
fwW=1.99
sdS=721.6
fwS=1.98
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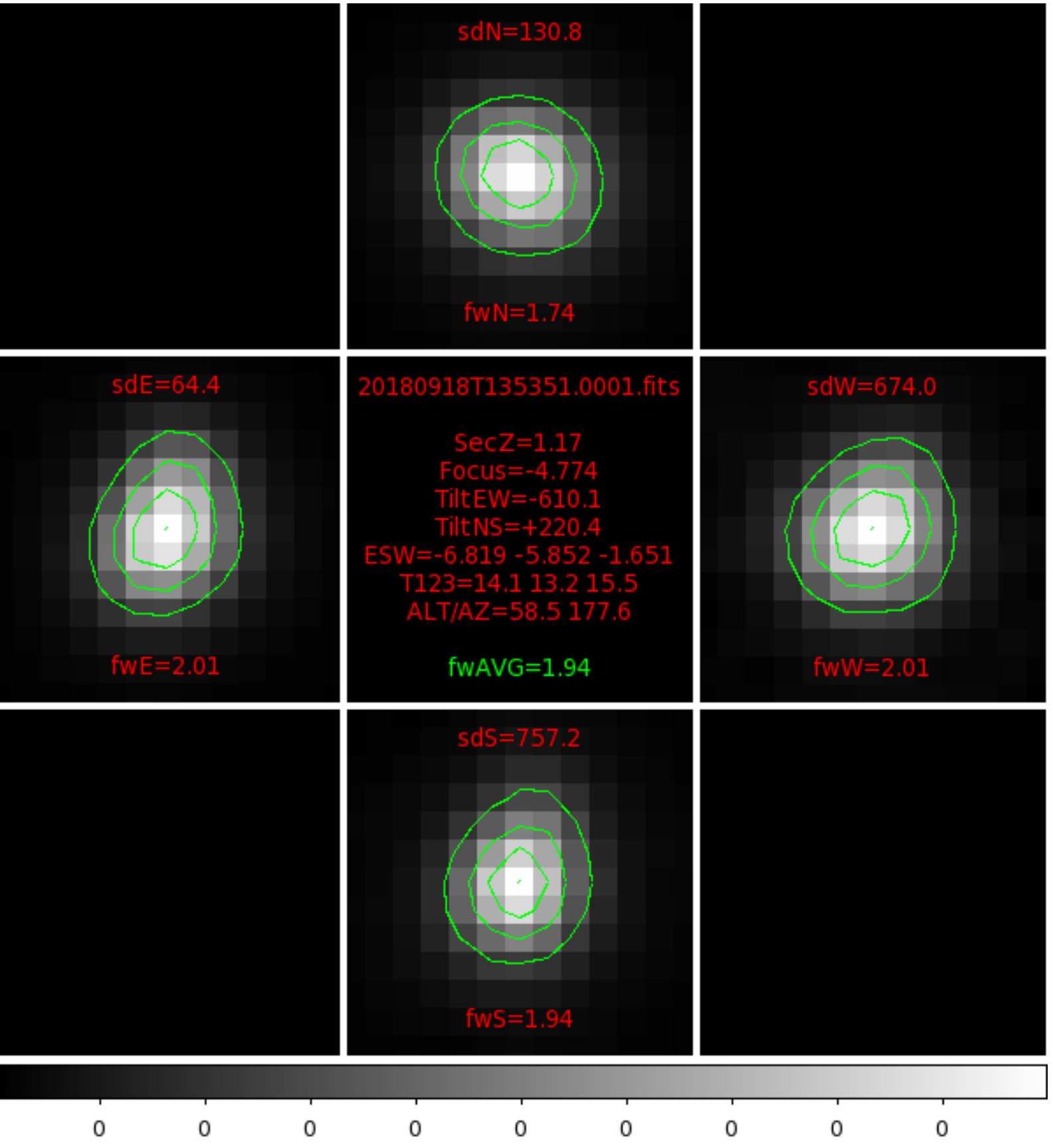
sdN=130.8
fwN=1.74
sdE=64.4
fwE=2.01
20180918T135351.0001.fits
SecZ=1.17
Focus=-4.774
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.819 -5.852 -1.651
T123=14.1 13.2 15.5
ALT/AZ=58.5 177.6
fwAVG=1.94
sdW=674.0
fwW=2.01
sdS=757.2
fwS=1.94
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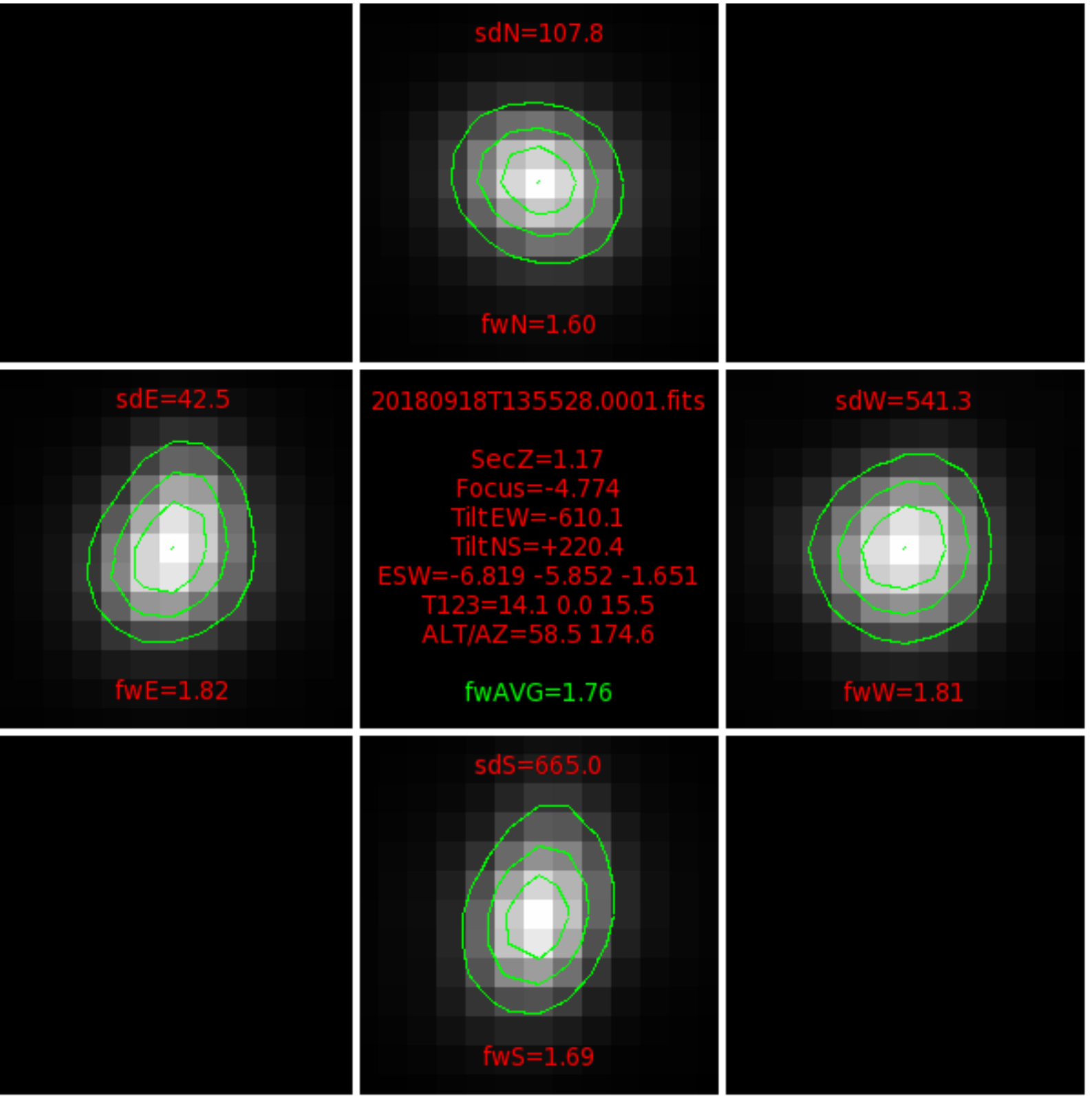
sdN=107.8
fwN=1.60
sdE=42.5
fwE=1.82
20180918T135528.0001.fits
SecZ=1.17
Focus=-4.774
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.819 -5.852 -1.651
T123=14.1 0.0 15.5
ALT/AZ=58.5 174.6
fwAVG=1.76
sdW=541.3
fwW=1.81
sdS=665.0
fwS=1.69
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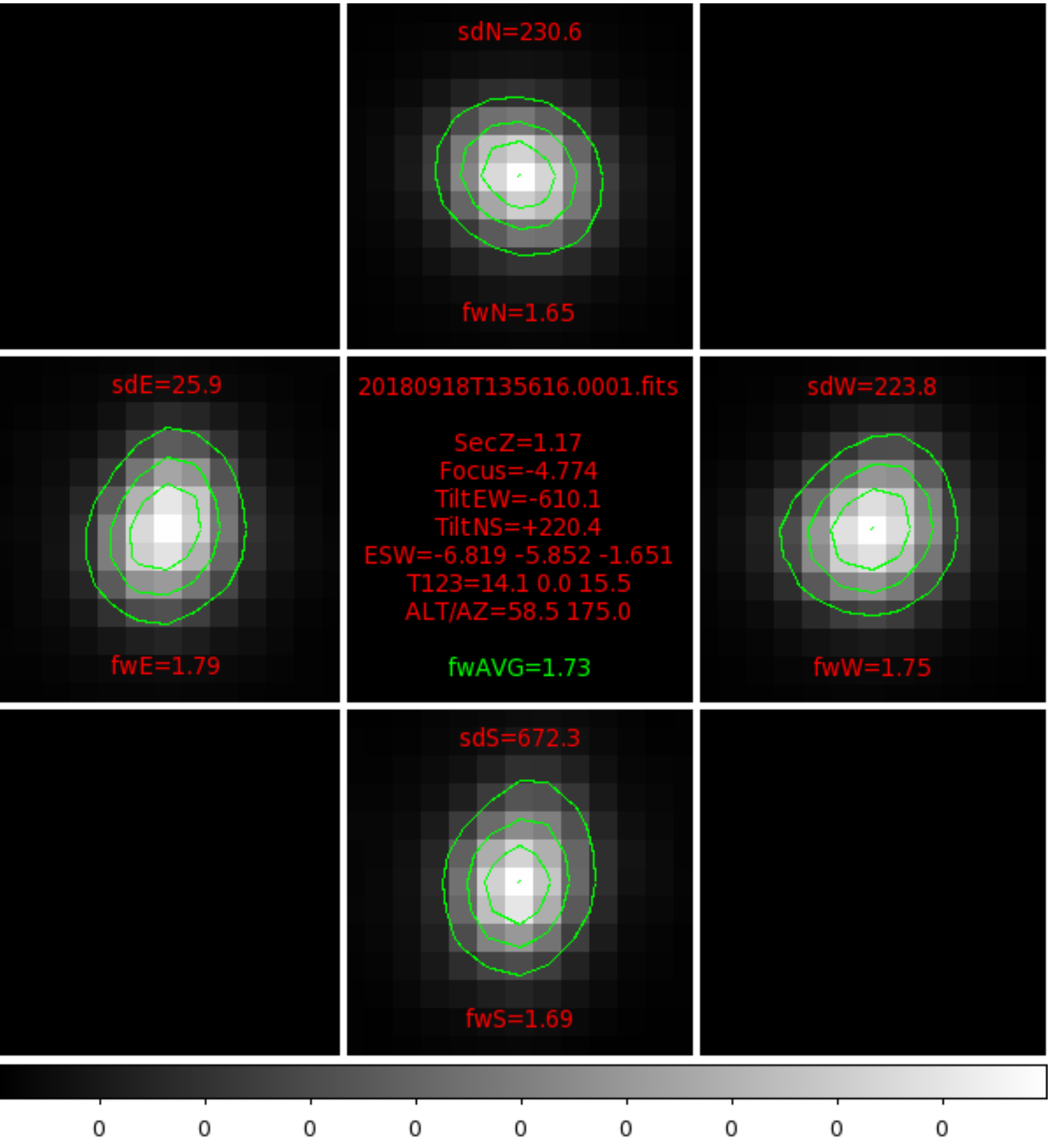
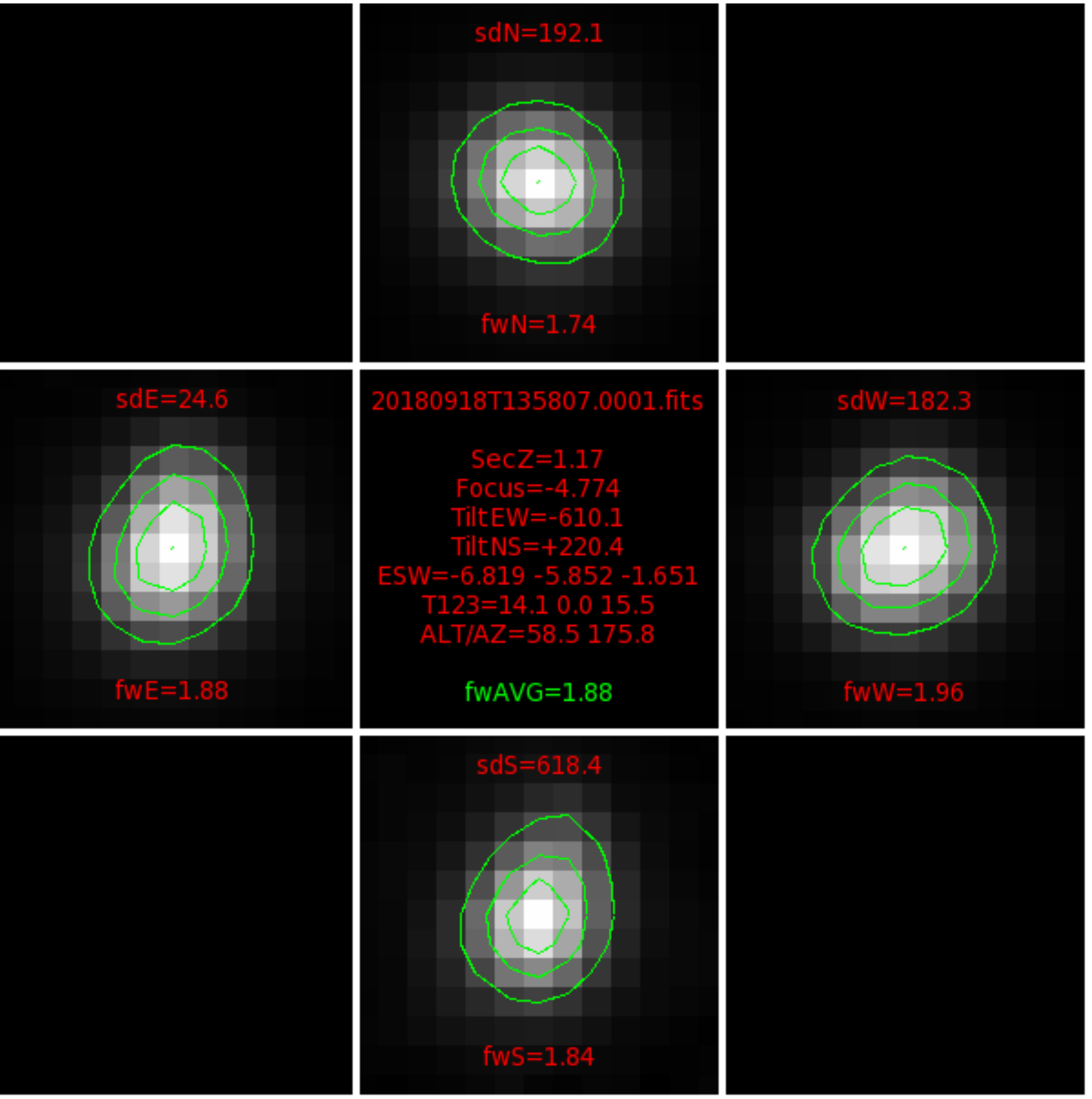
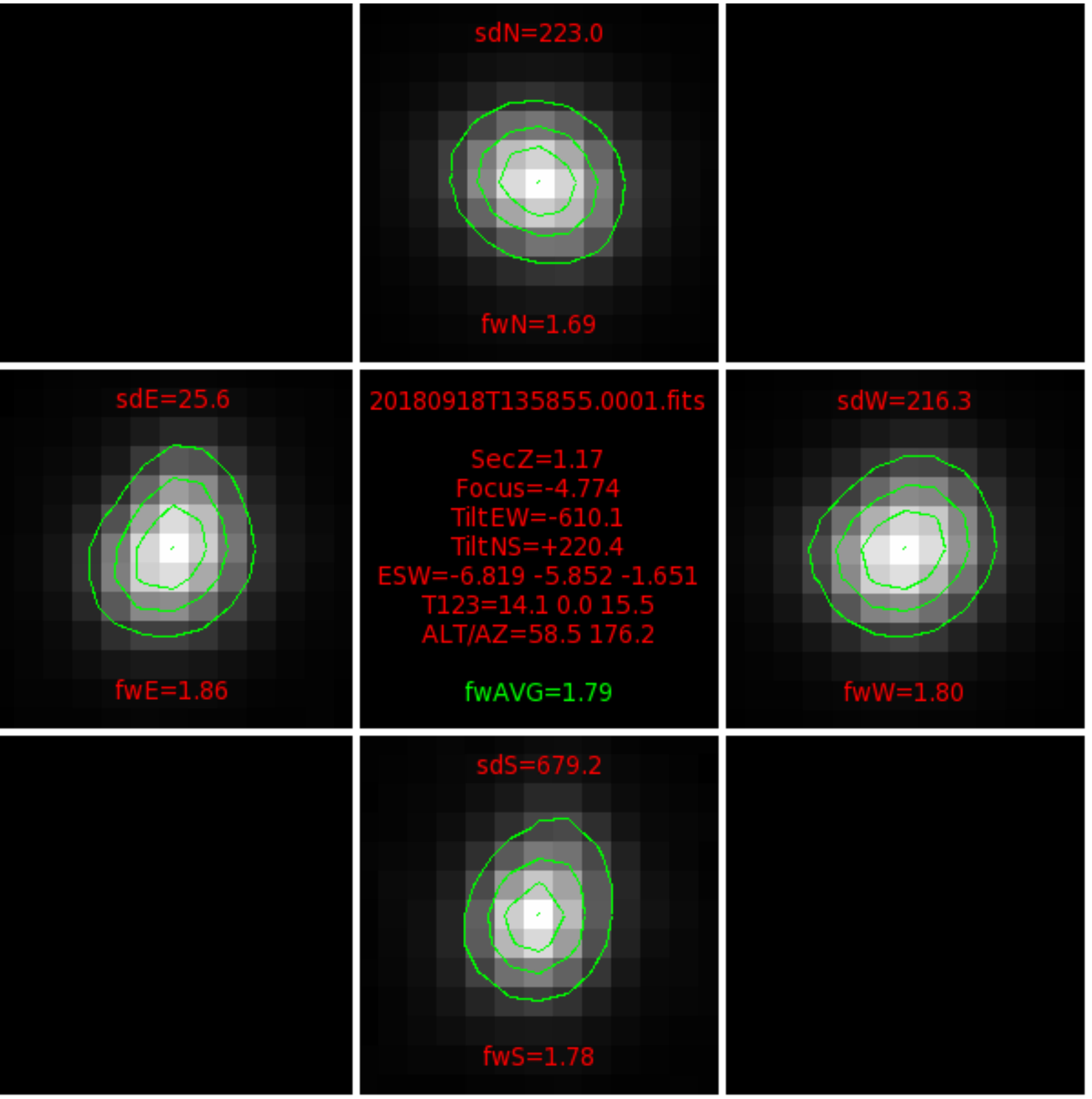
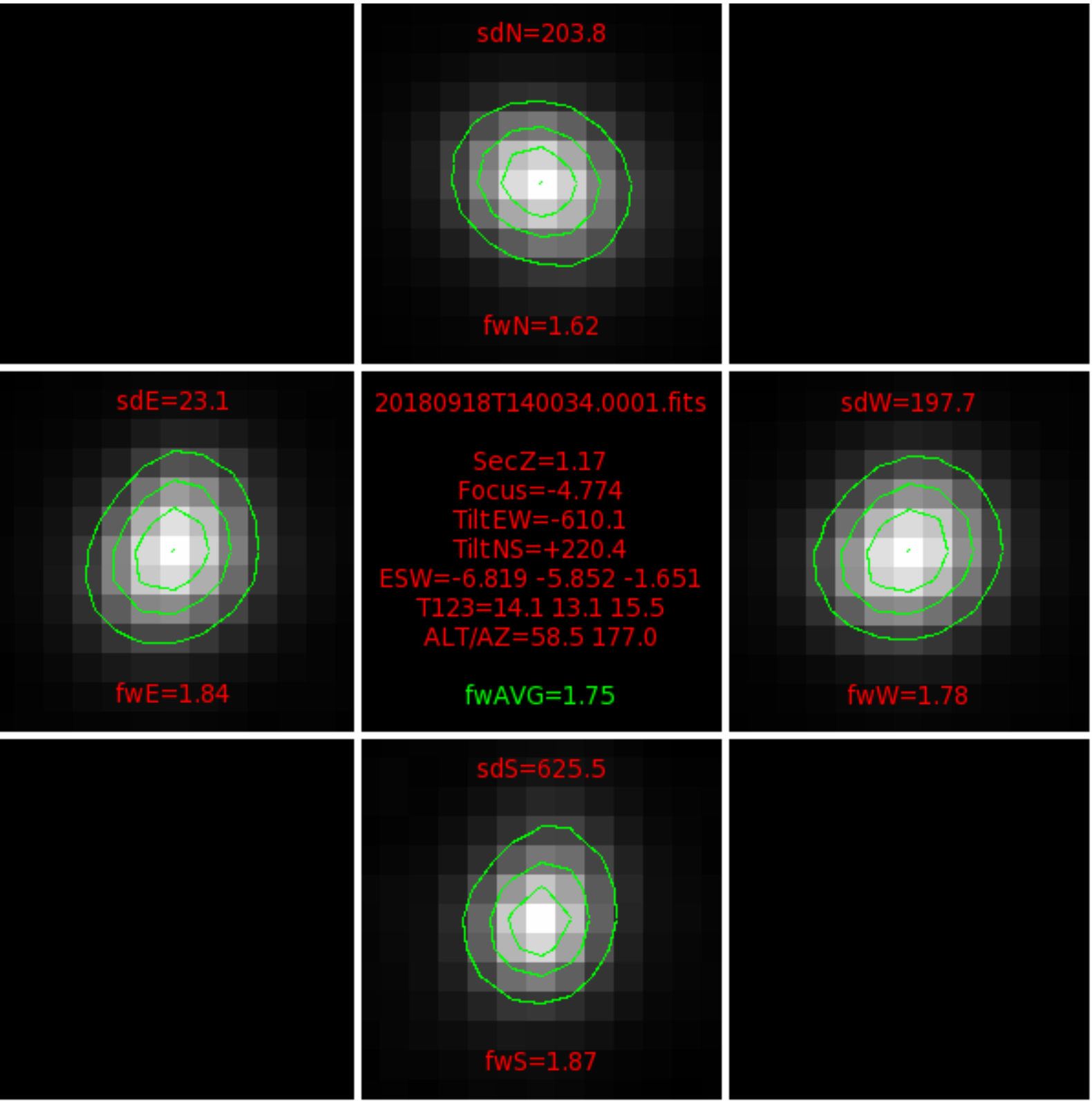

sdN=230.6
fwN=1.65
sdE=25.9
fwE=1.79
20180918T135616.0001.fits
SecZ=1.17
Focus=-4.774
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.819 -5.852 -1.651
T123=14.1 0.0 15.5
ALT/AZ=58.5 175.0
fwAVG=1.73
sdW=223.8
fwW=1.75
sdS=672.3
fwS=1.69
0 0 0 0 0 0 0 0 0


sdN=192.1
fwN=1.74
sdE=24.6
fwE=1.88
20180918T135807.0001.fits
SecZ=1.17
Focus=-4.774
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.819 -5.852 -1.651
T123=14.1 0.0 15.5
ALT/AZ=58.5 175.8
fwAVG=1.88
sdW=182.3
fwW=1.96
sdS=618.4
fwS=1.84
0 0 0 0 0 0 0 0 0


sdN=223.0
fwN=1.69
sdE=25.6
fwE=1.86
20180918T135855.0001.fits
SecZ=1.17
Focus=-4.774
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.819 -5.852 -1.651
T123=14.1 0.0 15.5
ALT/AZ=58.5 176.2
fwAVG=1.79
sdW=216.3
fwW=1.80
sdS=679.2
fwS=1.78
0 0 0 0 0 0 0 0 0


sdN=203.8
fwN=1.62
sdE=23.1
fwE=1.84
20180918T140034.0001.fits
SecZ=1.17
Focus=-4.774
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.819 -5.852 -1.651
T123=14.1 13.1 15.5
ALT/AZ=58.5 177.0
fwAVG=1.75
sdW=197.7
fwW=1.78
sdS=625.5
fwS=1.87
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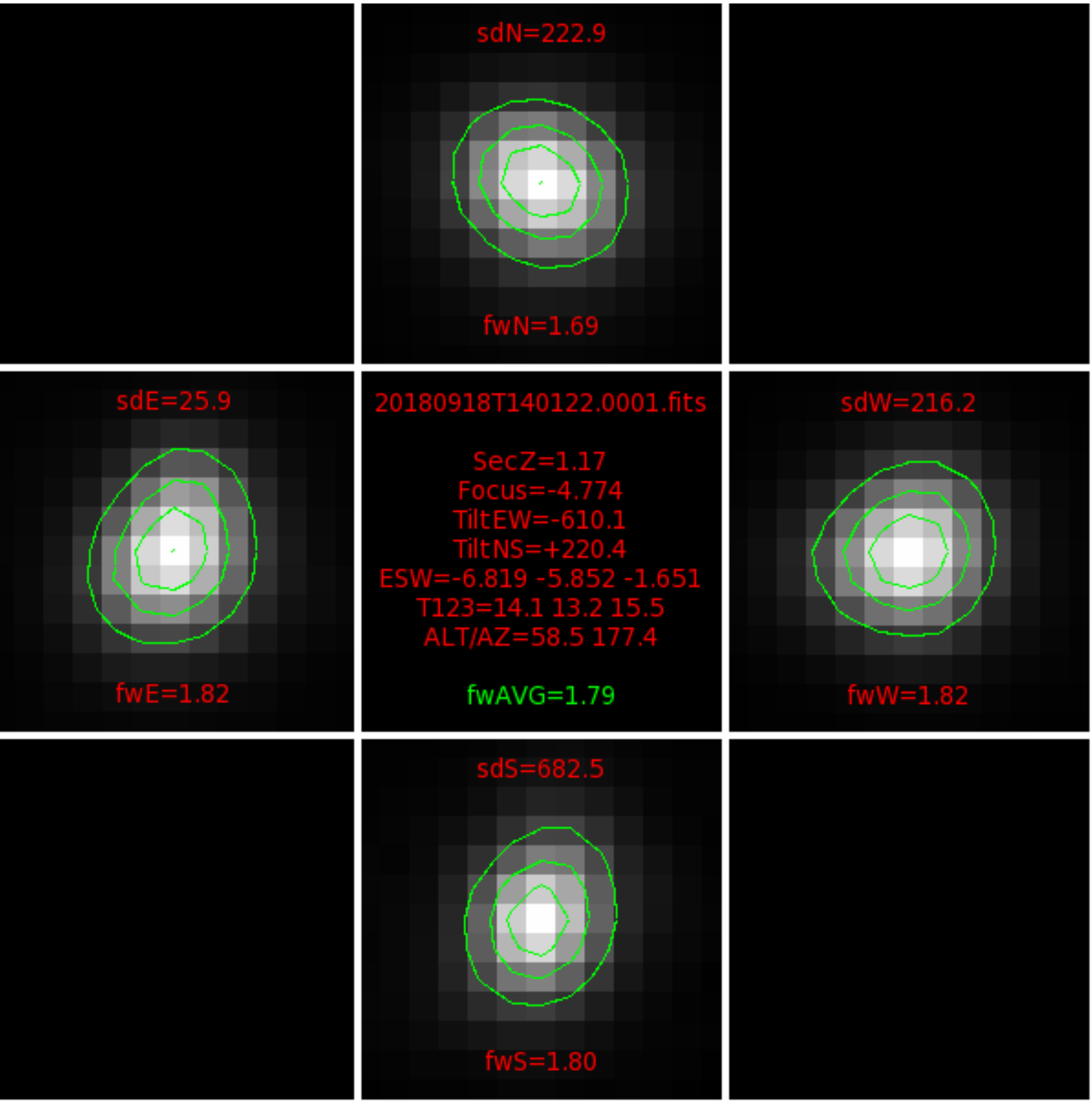
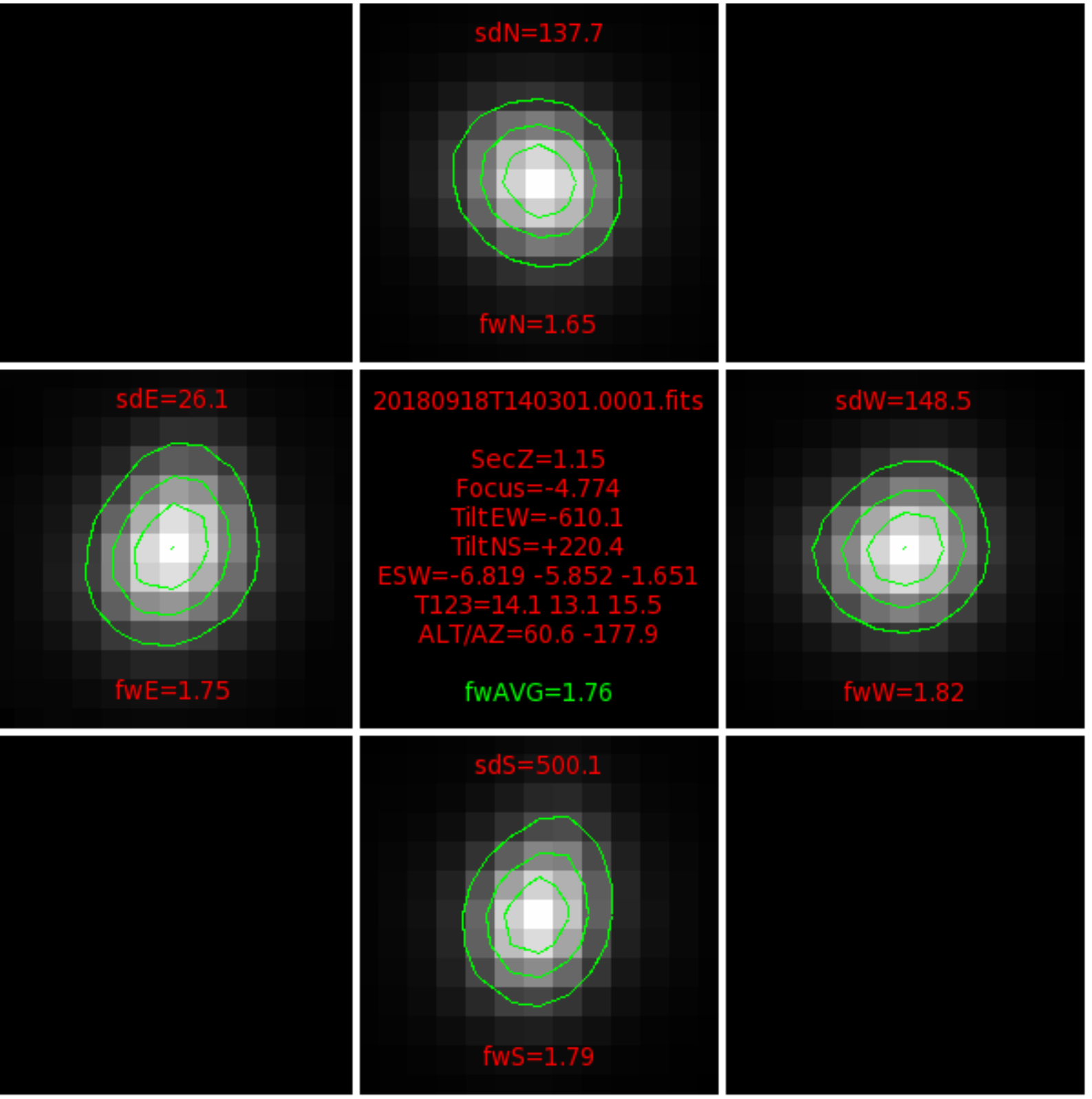

sdN=222.9
fwN=1.69
sdE=25.9
fwE=1.82
20180918T140122.0001.fits
SecZ=1.17
Focus=-4.774
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.819 -5.852 -1.651
T123=14.1 13.2 15.5
ALT/AZ=58.5 177.4
fwAVG=1.79
sdW=216.2
fwW=1.82
sdS=682.5
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=137.7
fwN=1.65
sdE=26.1
fwE=1.75
20180918T140301.0001.fits
SecZ=1.15
Focus=-4.774
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.819 -5.852 -1.651
T123=14.1 13.1 15.5
ALT/AZ=60.6 -177.9
fwAVG=1.76
sdW=148.5
fwW=1.82
sdS=500.1
fwS=1.79
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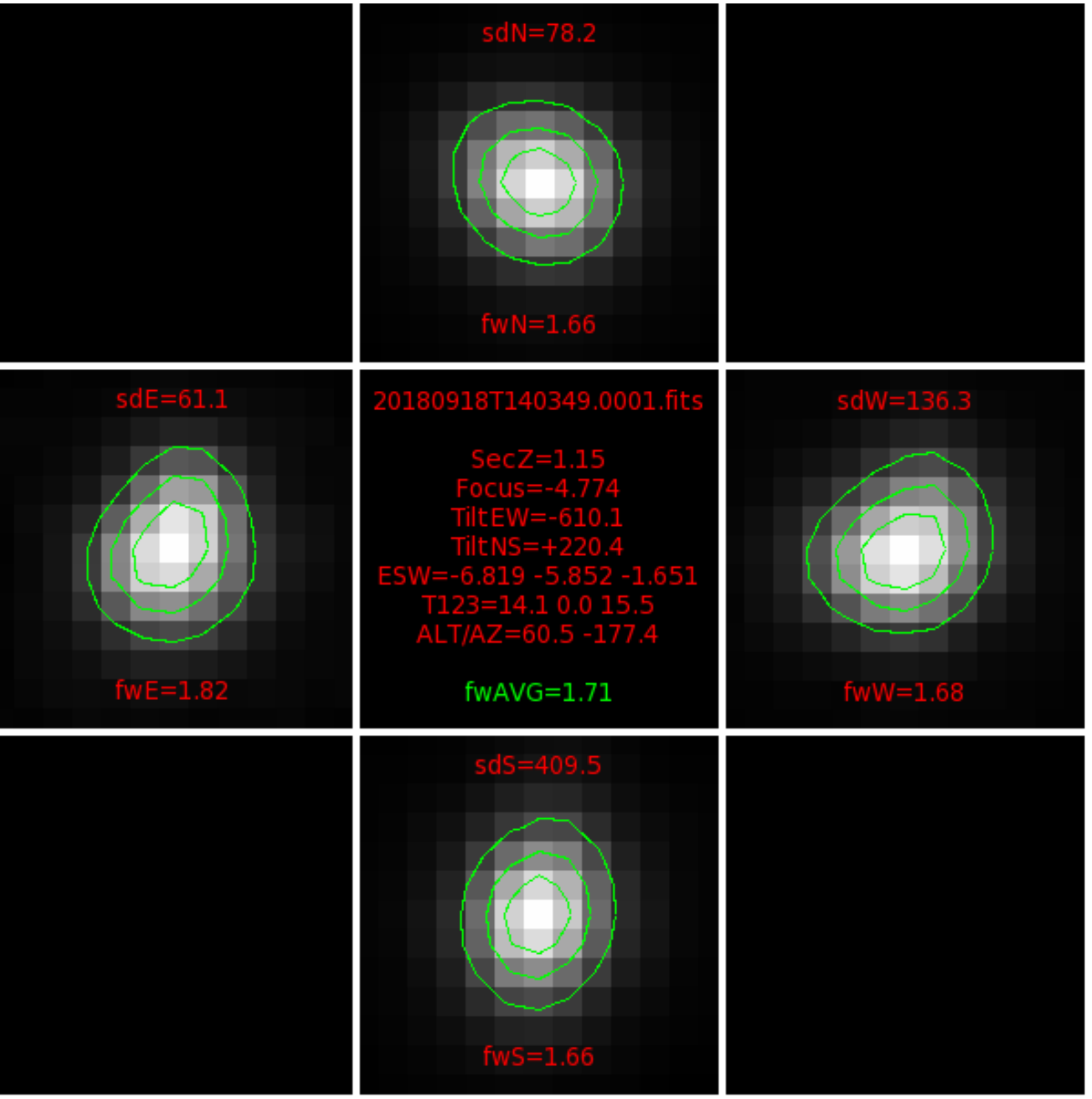
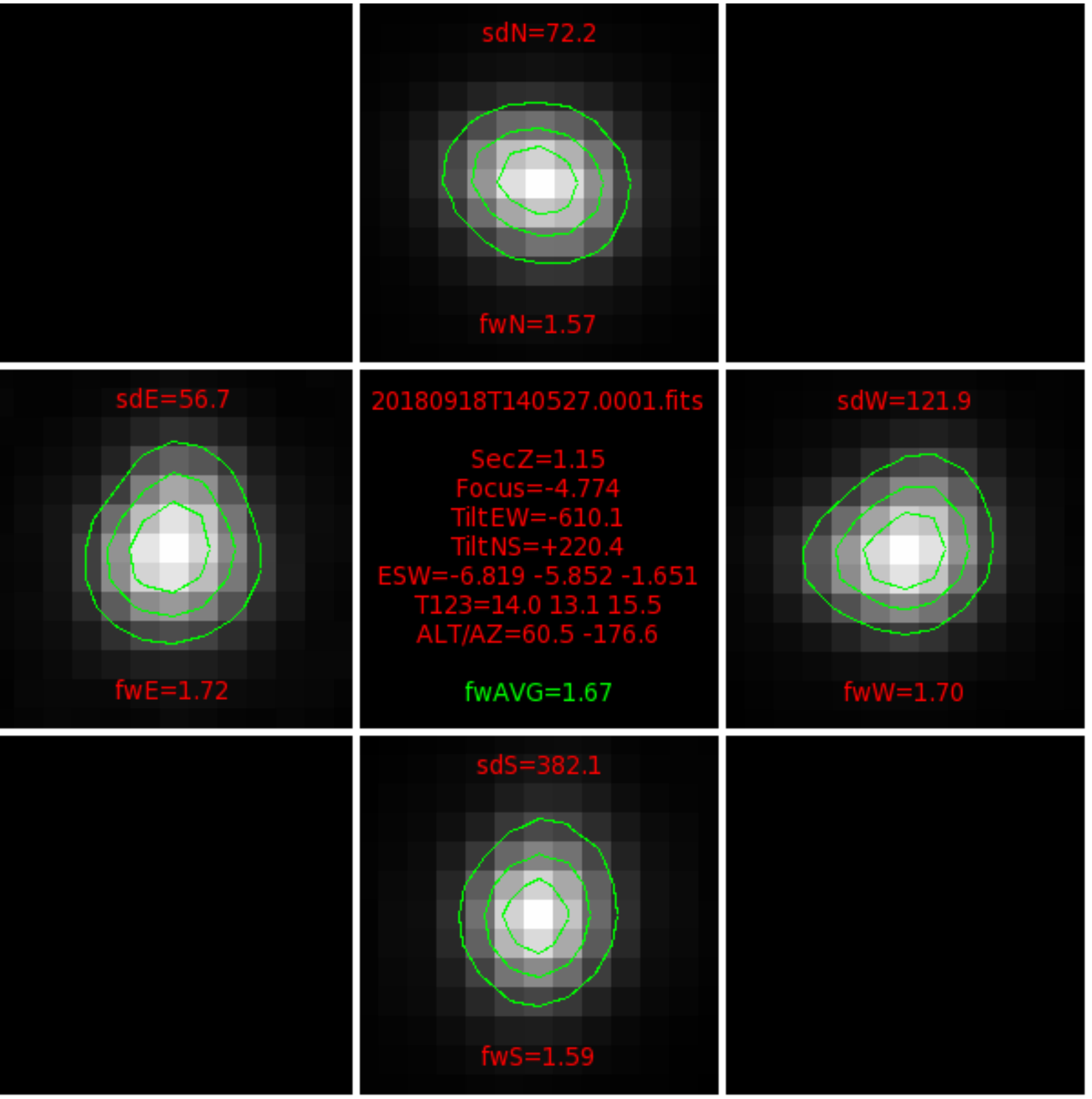

sdN=78.2
fwN=1.66
sdE=61.1
fwE=1.82
20180918T140349.0001.fits
SecZ=1.15
Focus=-4.774
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.819 -5.852 -1.651
T123=14.1 0.0 15.5
ALT/AZ=60.5 -177.4
fwAVG=1.71
sdW=136.3
fwW=1.68
sdS=409.5
fwS=1.66
0 0 0 0 0 0 0 0 0


sdN=72.2
fwN=1.57
sdE=56.7
fwE=1.72
20180918T140527.0001.fits
SecZ=1.15
Focus=-4.774
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.819 -5.852 -1.651
T123=14.0 13.1 15.5
ALT/AZ=60.5 -176.6
fwAVG=1.67
sdW=121.9
fwW=1.70
sdS=382.1
fwS=1.59
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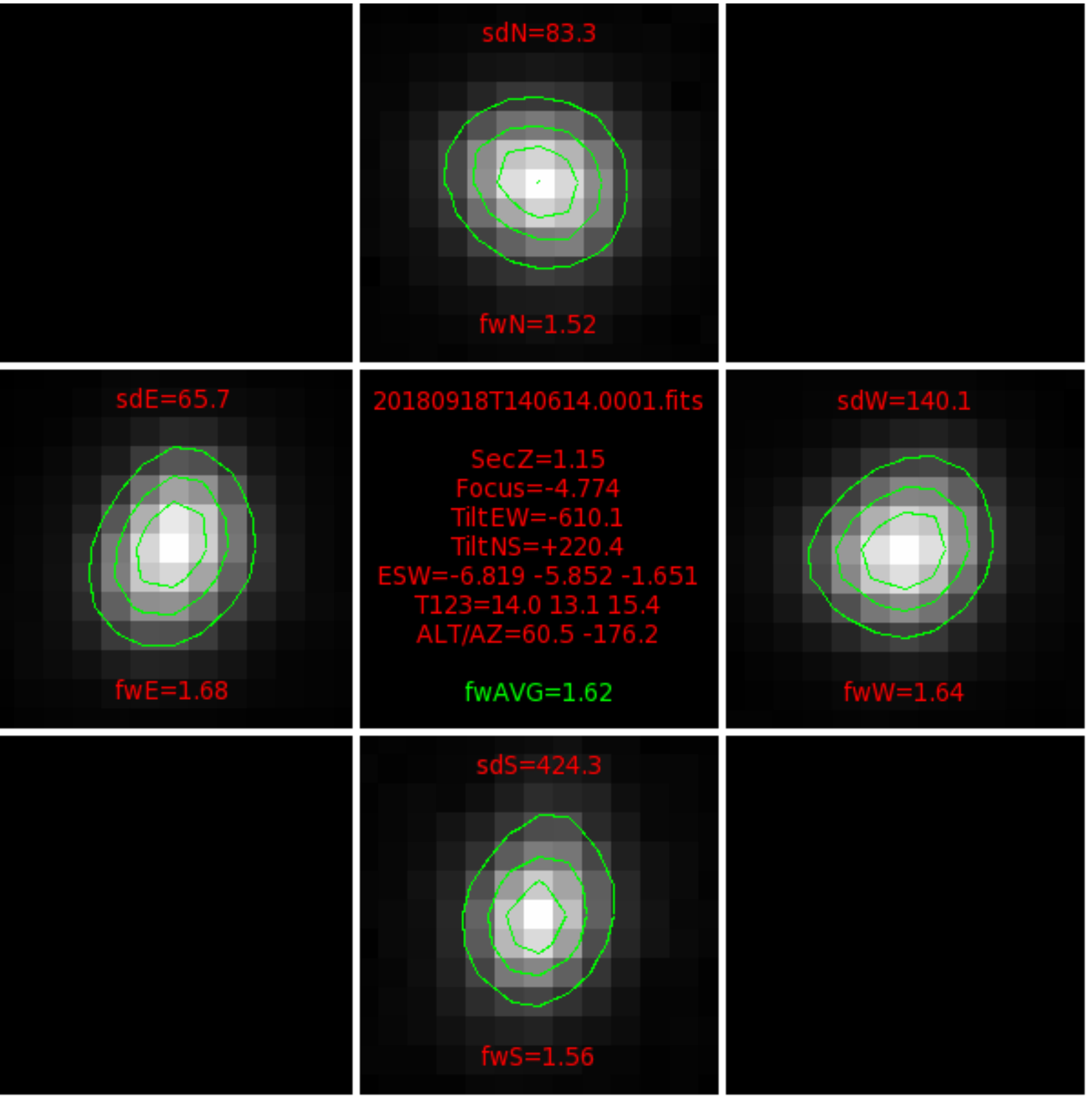
sdN=83.3
fwN=1.52
sdE=65.7
fwE=1.68
20180918T140614.0001.fits
SecZ=1.15
Focus=-4.774
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.819 -5.852 -1.651
T123=14.0 13.1 15.4
ALT/AZ=60.5 -176.2
fwAVG=1.62
sdW=140.1
fwW=1.64
sdS=424.3
fwS=1.56
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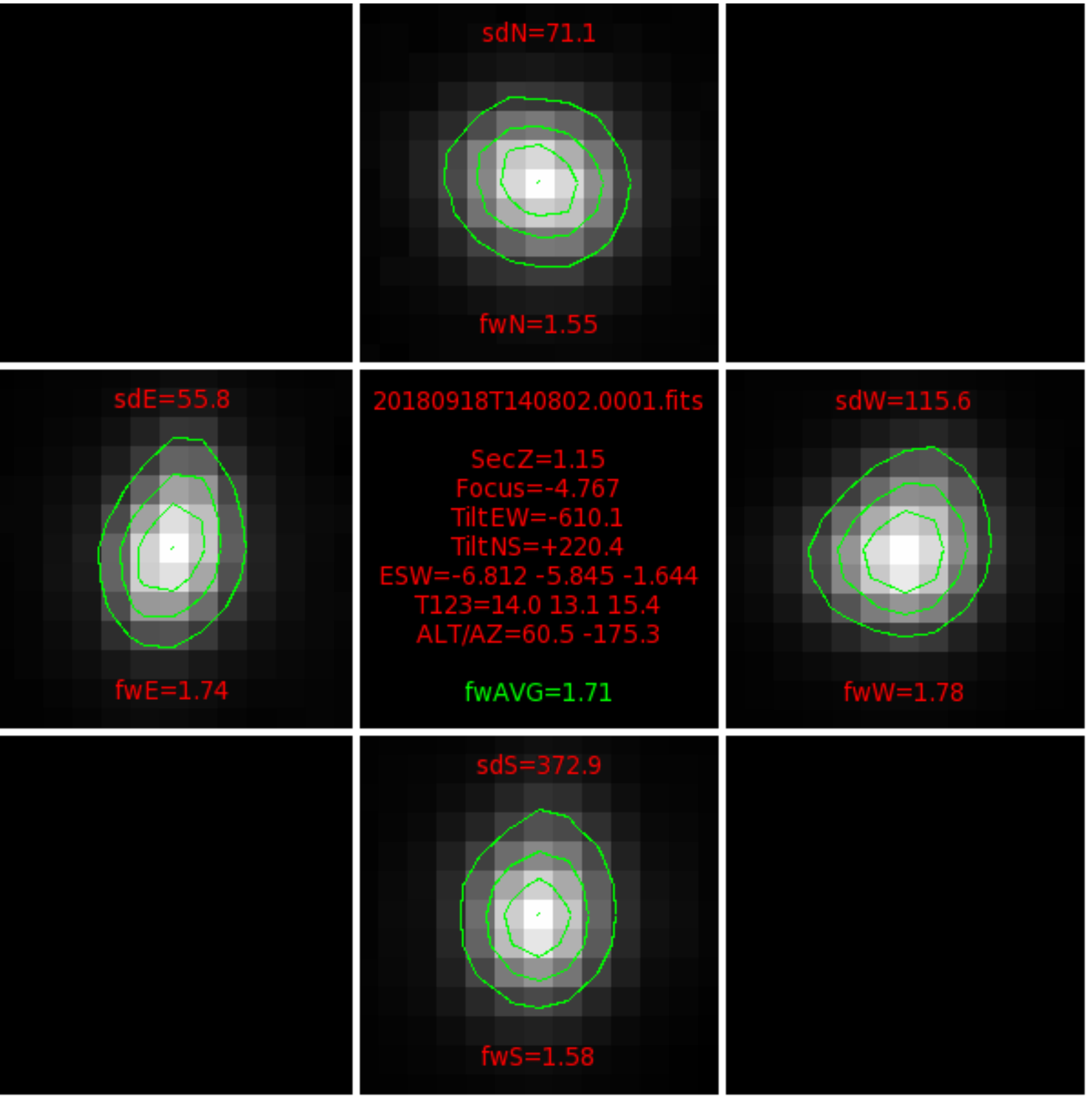
sdN=71.1
fwN=1.55
sdE=55.8
fwE=1.74
20180918T140802.0001.fits
SecZ=1.15
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=14.0 13.1 15.4
ALT/AZ=60.5 -175.3
fwAVG=1.71
sdW=115.6
fwW=1.78
sdS=372.9
fwS=1.58
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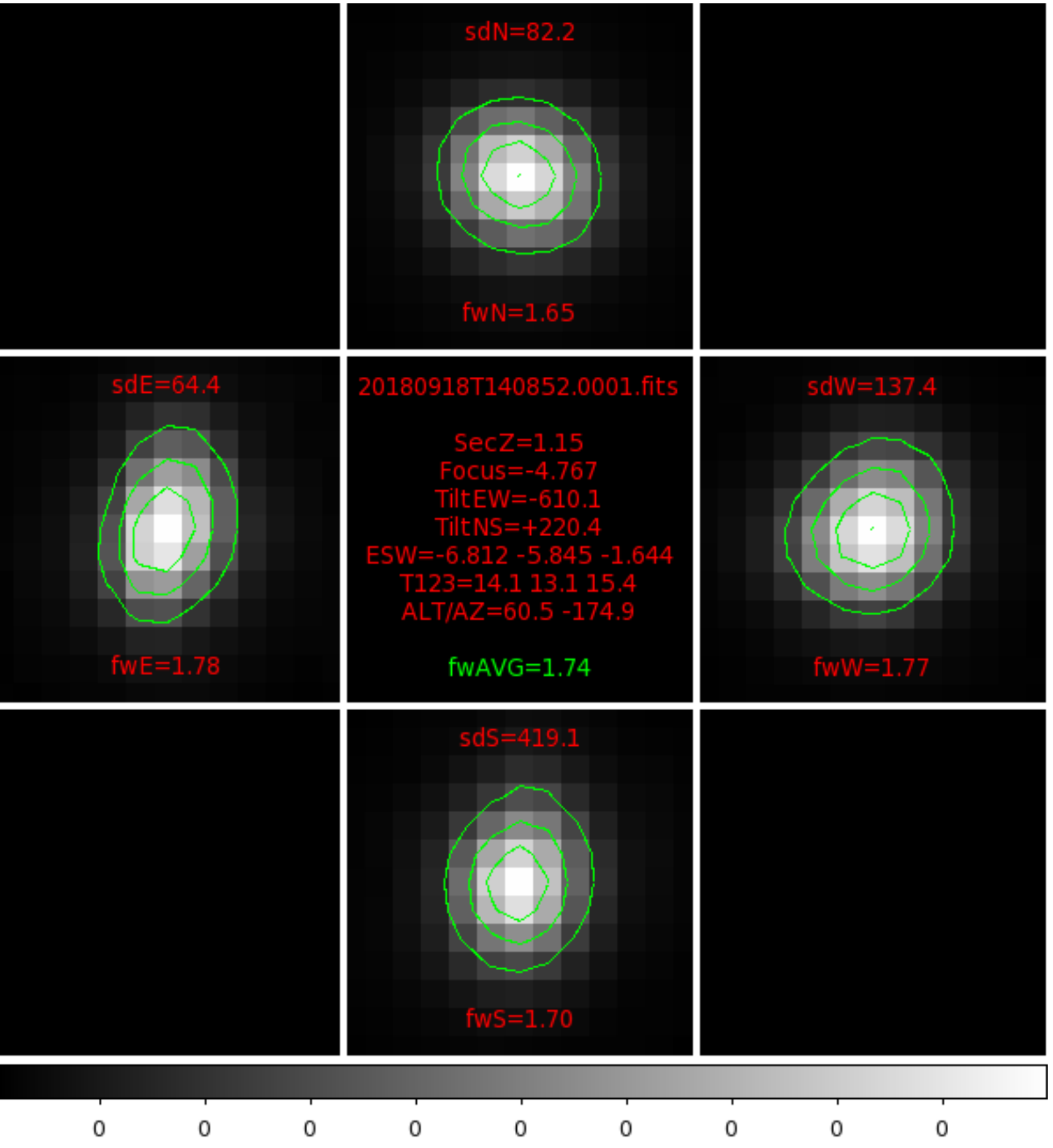
sdN=82.2
fwN=1.65
sdE=64.4
fwE=1.78
20180918T140852.0001.fits
SecZ=1.15
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=14.1 13.1 15.4
ALT/AZ=60.5 -174.9
fwAVG=1.74
sdW=137.4
fwW=1.77
sdS=419.1
fwS=1.70
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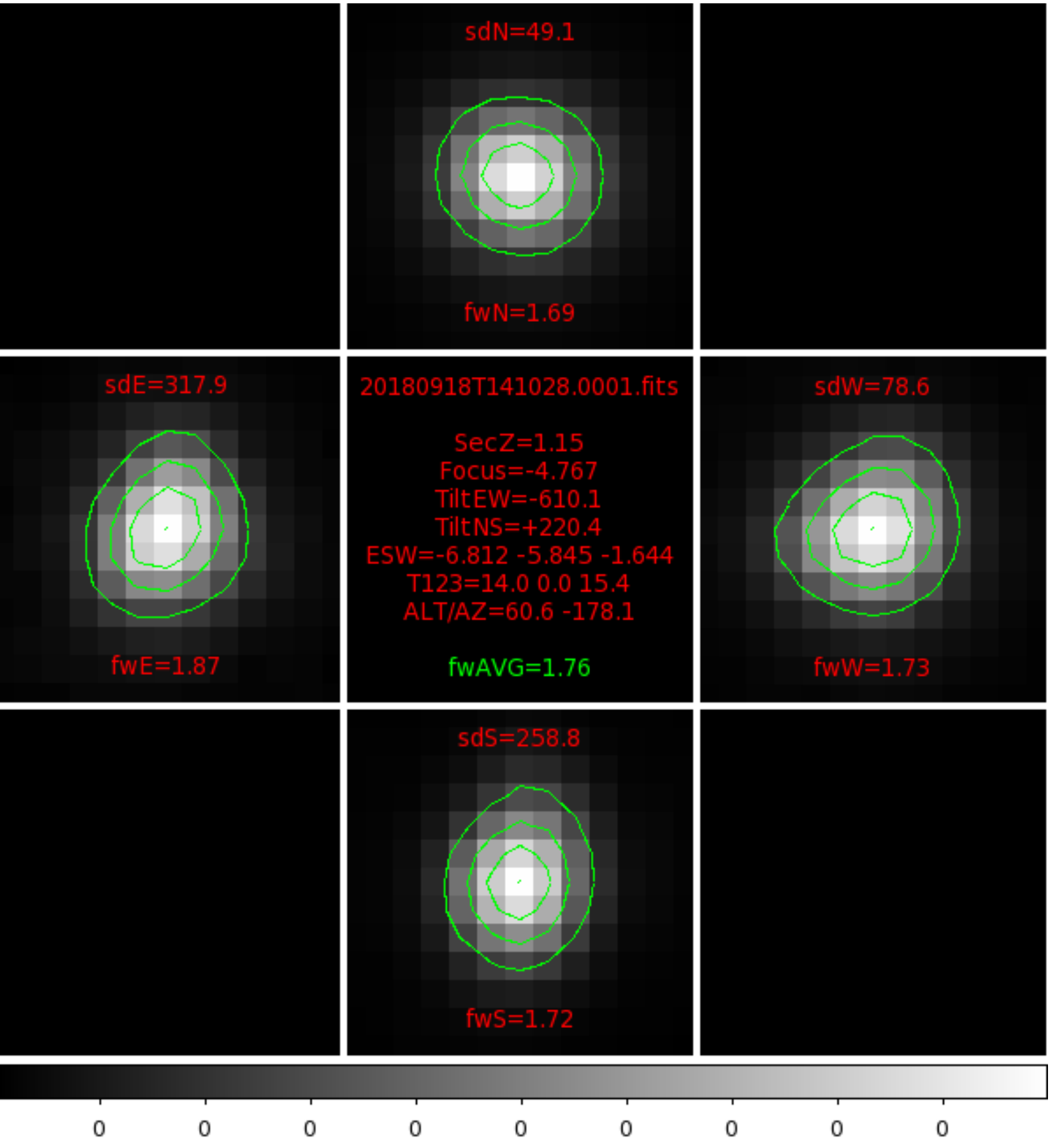
sdN=49.1
fwN=1.69
sdE=317.9
fwE=1.87
20180918T141028.0001.fits
SecZ=1.15
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=14.0 0.0 15.4
ALT/AZ=60.6 -178.1
fwAVG=1.76
sdW=78.6
fwW=1.73
sdS=258.8
fwS=1.72
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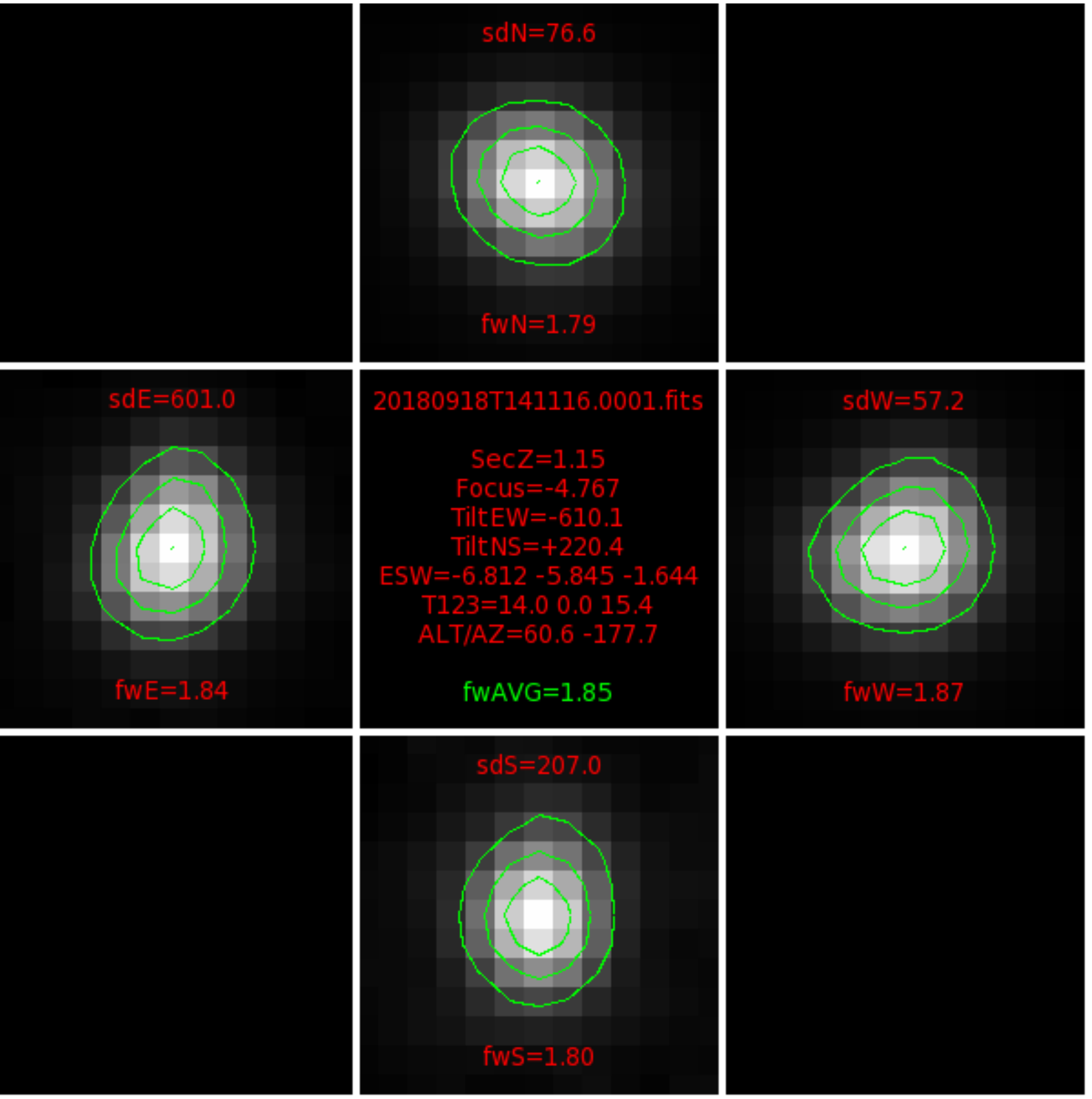
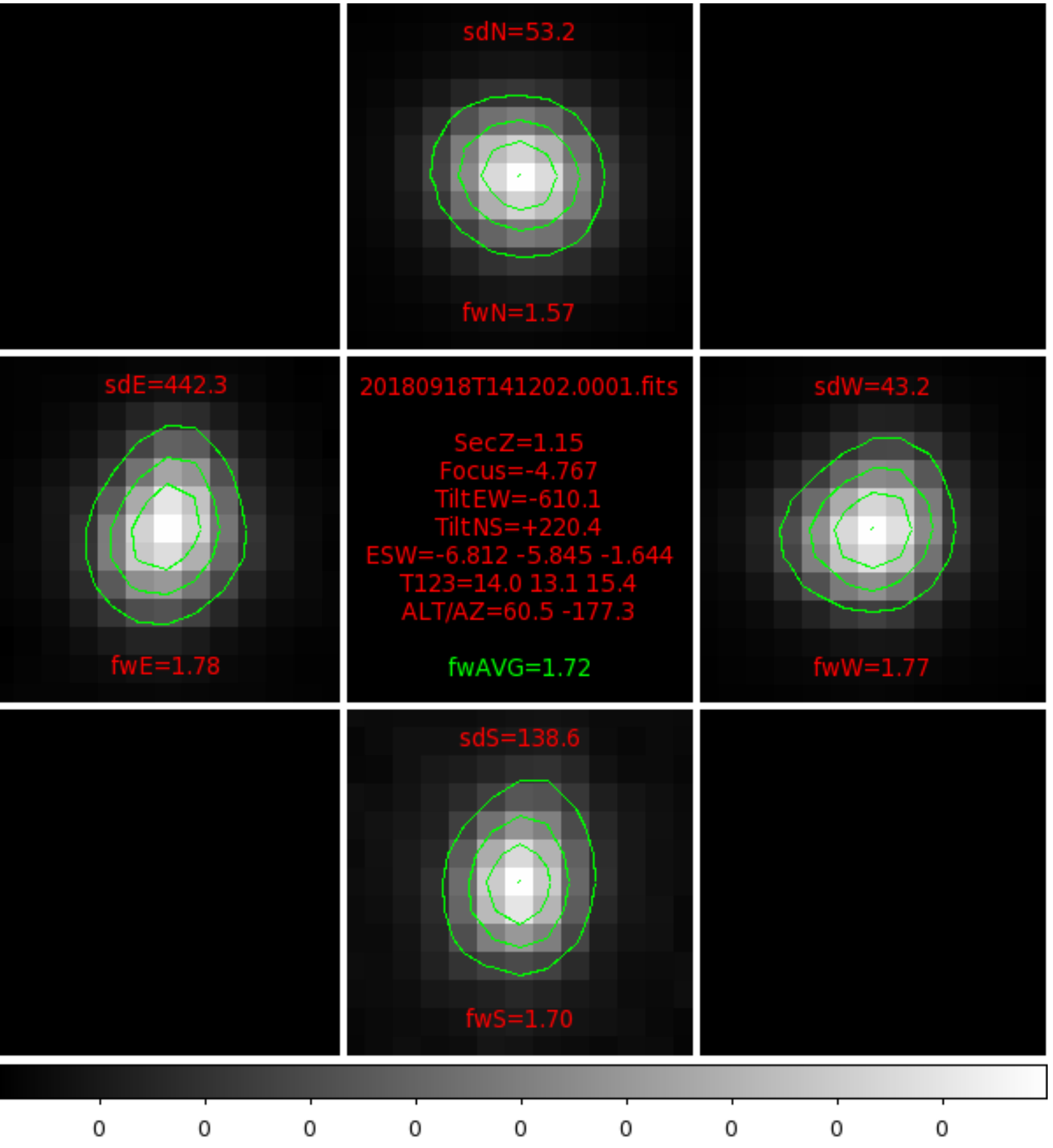
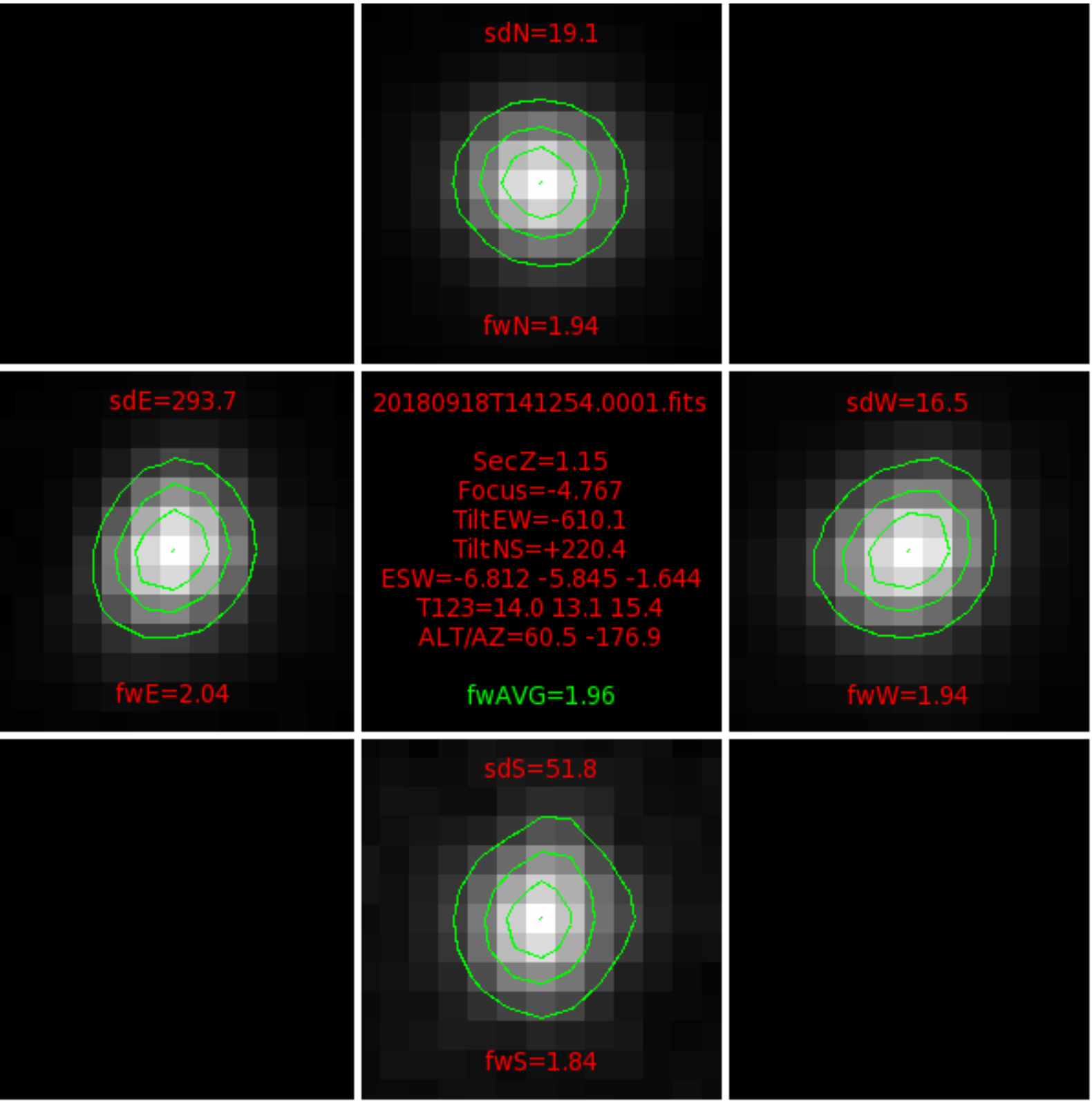

sdN=76.6
fwN=1.79
sdE=601.0
fwE=1.84
20180918T141116.0001.fits
SecZ=1.15
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=14.0 0.0 15.4
ALT/AZ=60.6 -177.7
fwAVG=1.85
sdW=57.2
fwW=1.87
sdS=207.0
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=53.2
fwN=1.57
sdE=442.3
fwE=1.78
20180918T141202.0001.fits
SecZ=1.15
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=14.0 13.1 15.4
ALT/AZ=60.5 -177.3
fwAVG=1.72
sdW=43.2
fwW=1.77
sdS=138.6
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=19.1
fwN=1.94
sdE=293.7
fwE=2.04
20180918T141254.0001.fits
SecZ=1.15
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=14.0 13.1 15.4
ALT/AZ=60.5 -176.9
fwAVG=1.96
sdW=16.5
fwW=1.94
sdS=51.8
fwS=1.84
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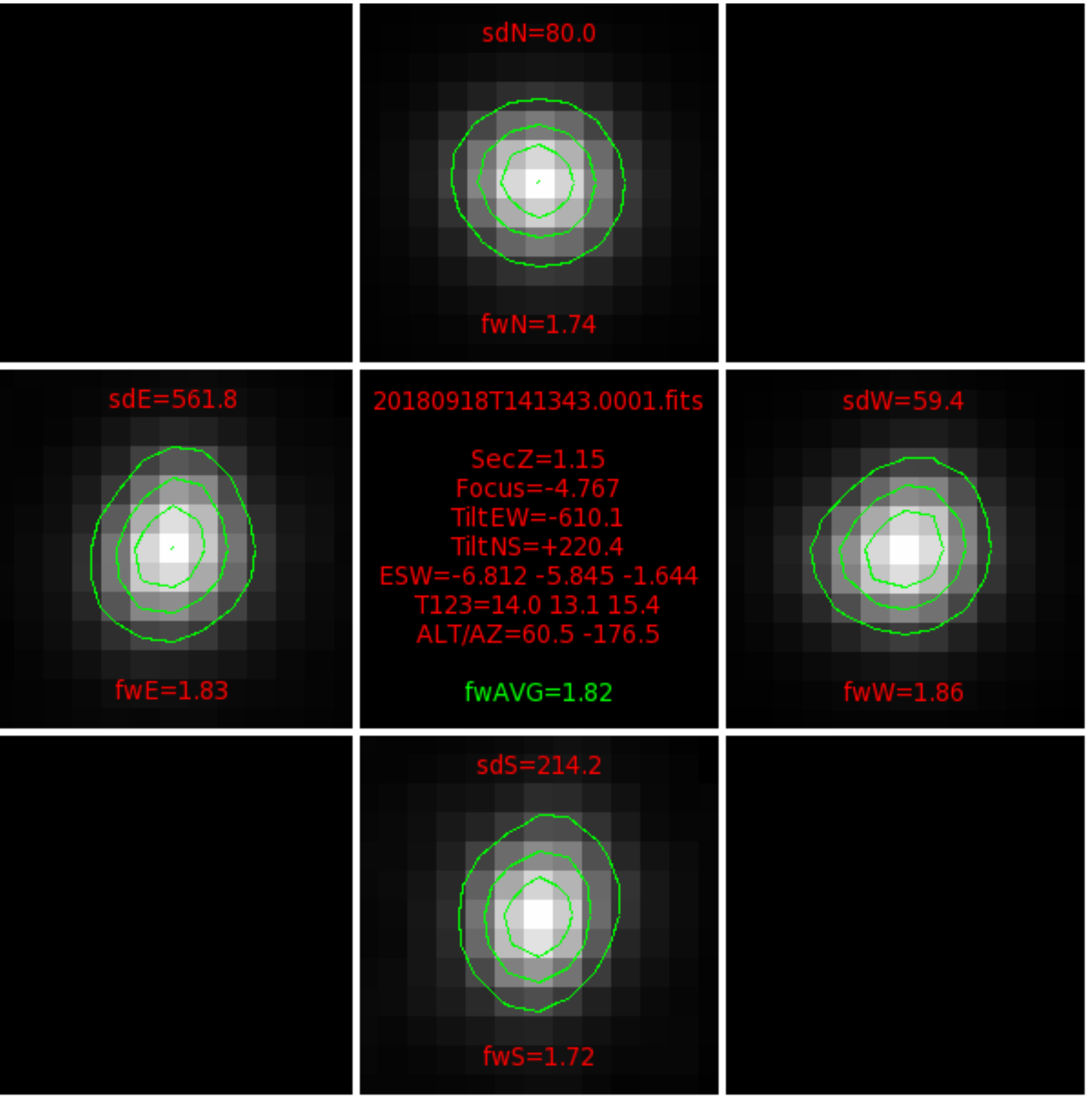
sdN=80.0
fwN=1.74
sdE=561.8
fwE=1.83
20180918T141343.0001.fits
SecZ=1.15
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=14.0 13.1 15.4
ALT/AZ=60.5 -176.5
fwAVG=1.82
sdW=59.4
fwW=1.86
sdS=214.2
fwS=1.72
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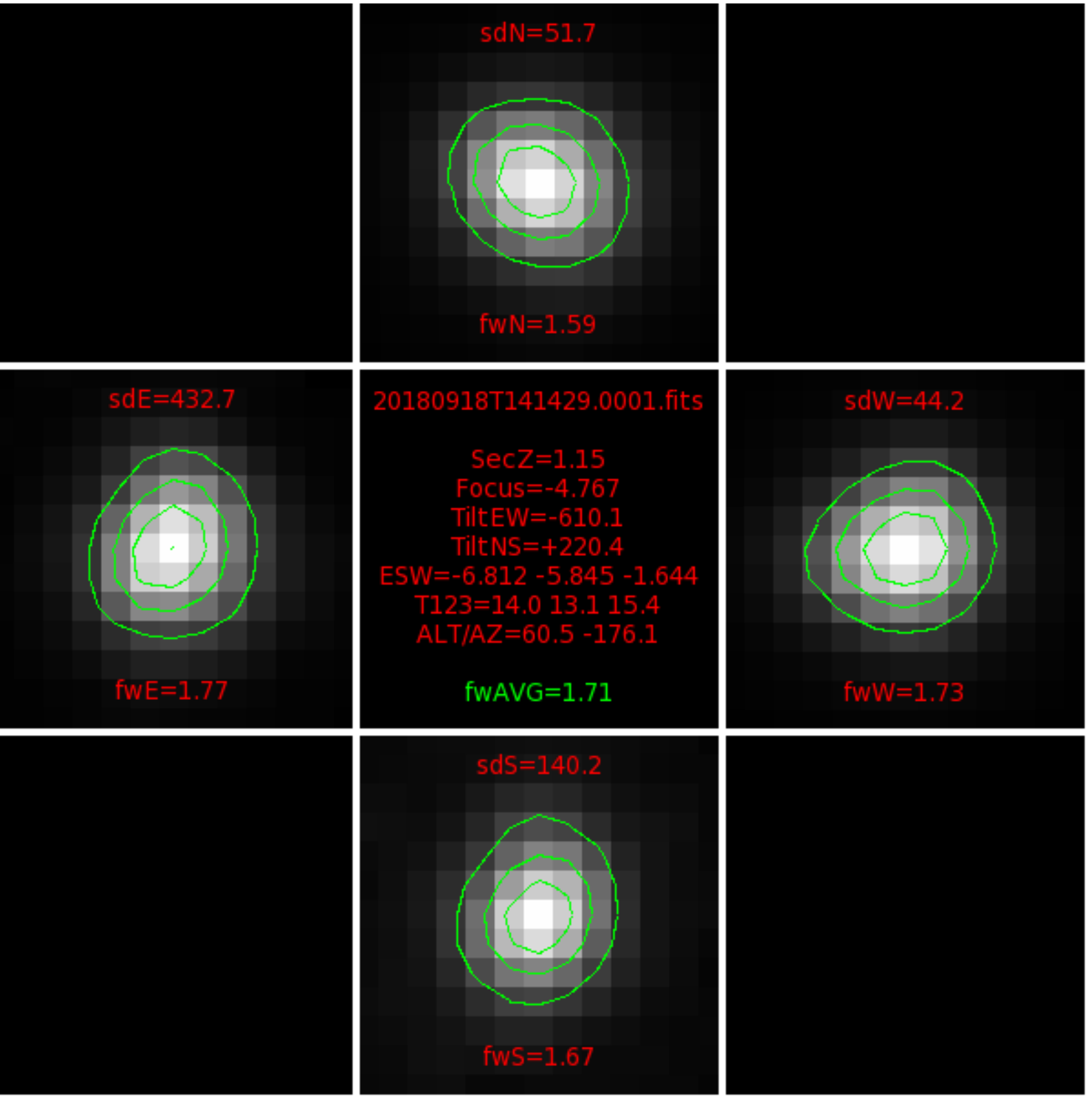
sdN=51.7
fwN=1.59
sdE=432.7
fwE=1.77
20180918T141429.0001.fits
SecZ=1.15
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=14.0 13.1 15.4
ALT/AZ=60.5 -176.1
fwAVG=1.71
sdW=44.2
fwW=1.73
sdS=140.2
fwS=1.67
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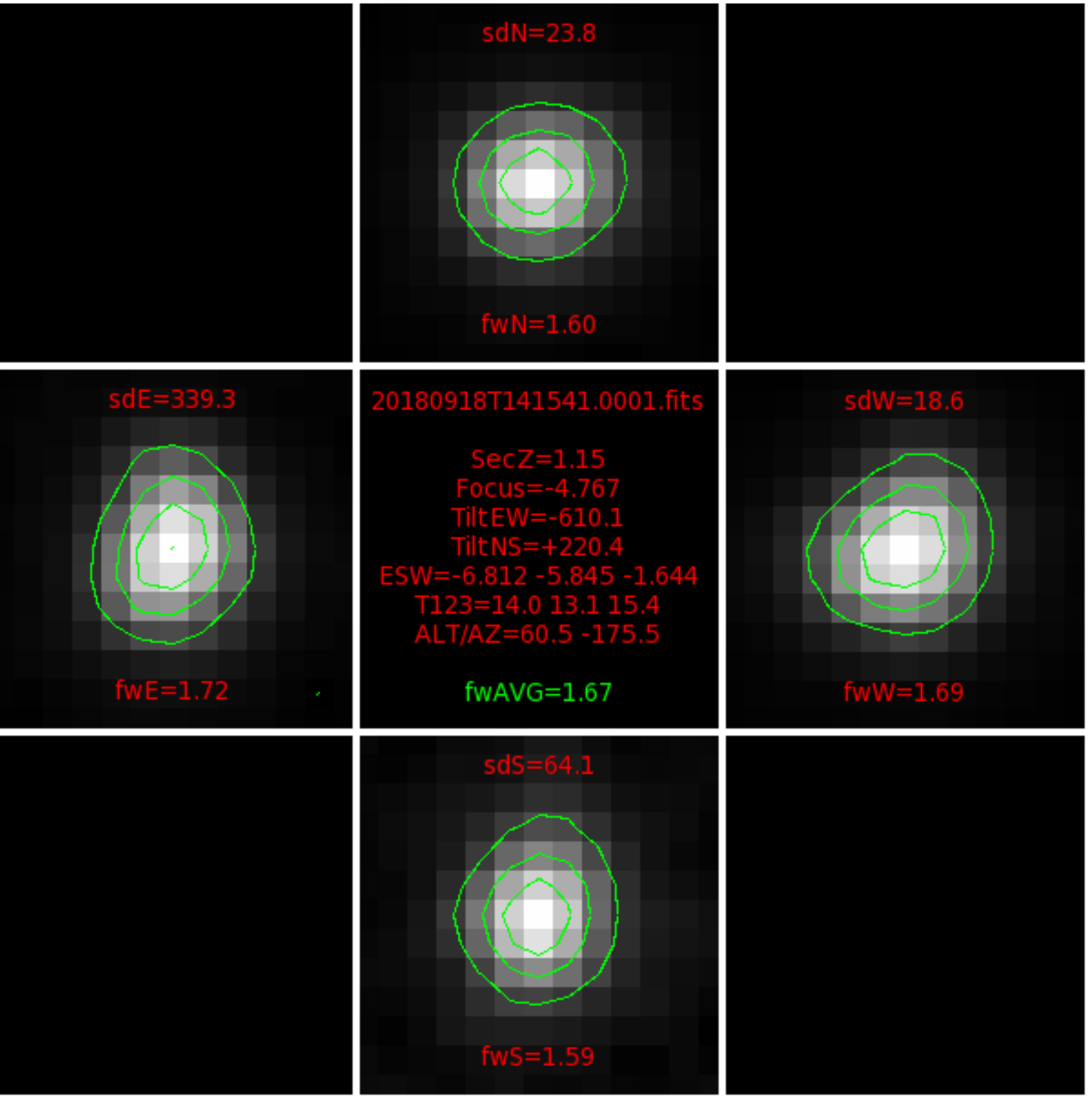
sdN=23.8
fwN=1.60
sdE=339.3
fwE=1.72
20180918T141541.0001.fits
SecZ=1.15
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=14.0 13.1 15.4
ALT/AZ=60.5 -175.5
fwAVG=1.67
sdW=18.6
fwW=1.69
sdS=64.1
fwS=1.59
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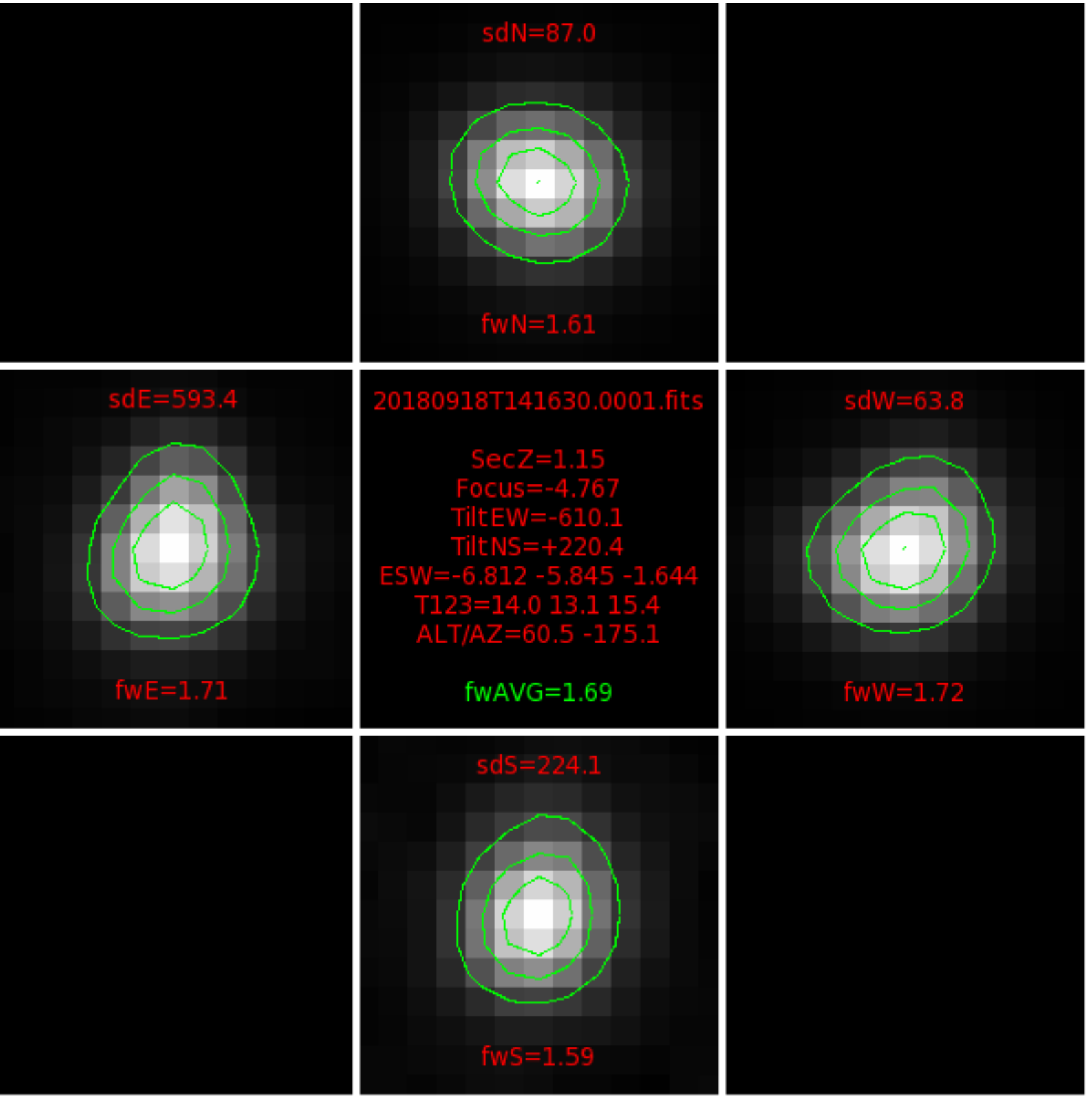
sdN=87.0
fwN=1.61
sdE=593.4
fwE=1.71
20180918T141630.0001.fits
SecZ=1.15
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=14.0 13.1 15.4
ALT/AZ=60.5 -175.1
fwAVG=1.69
sdW=63.8
fwW=1.72
sdS=224.1
fwS=1.59
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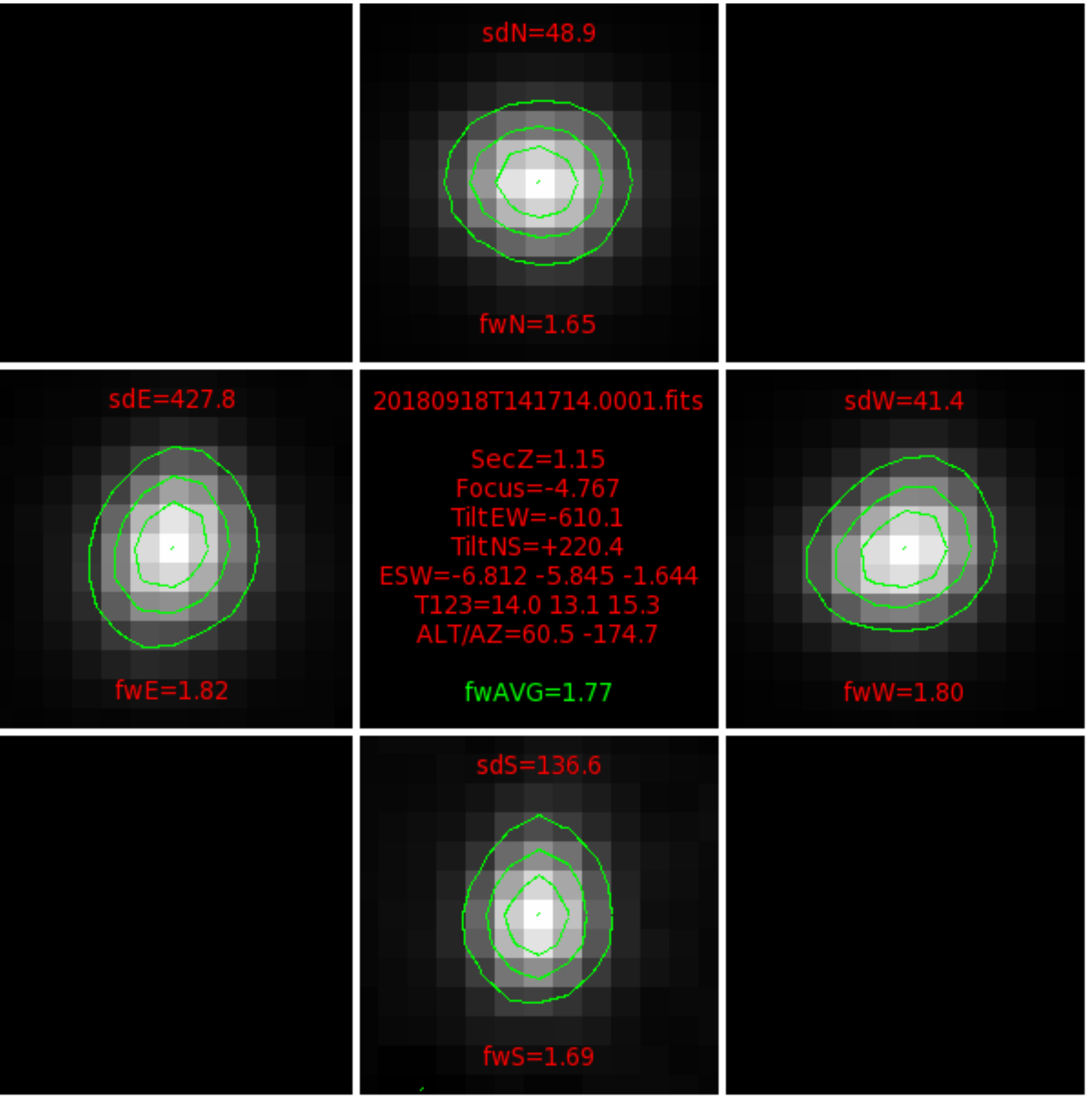
sdN=48.9
fwN=1.65
sdE=427.8
fwE=1.82
20180918T141714.0001.fits
SecZ=1.15
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=14.0 13.1 15.3
ALT/AZ=60.5 -174.7
fwAVG=1.77
sdW=41.4
fwW=1.80
sdS=136.6
fwS=1.69
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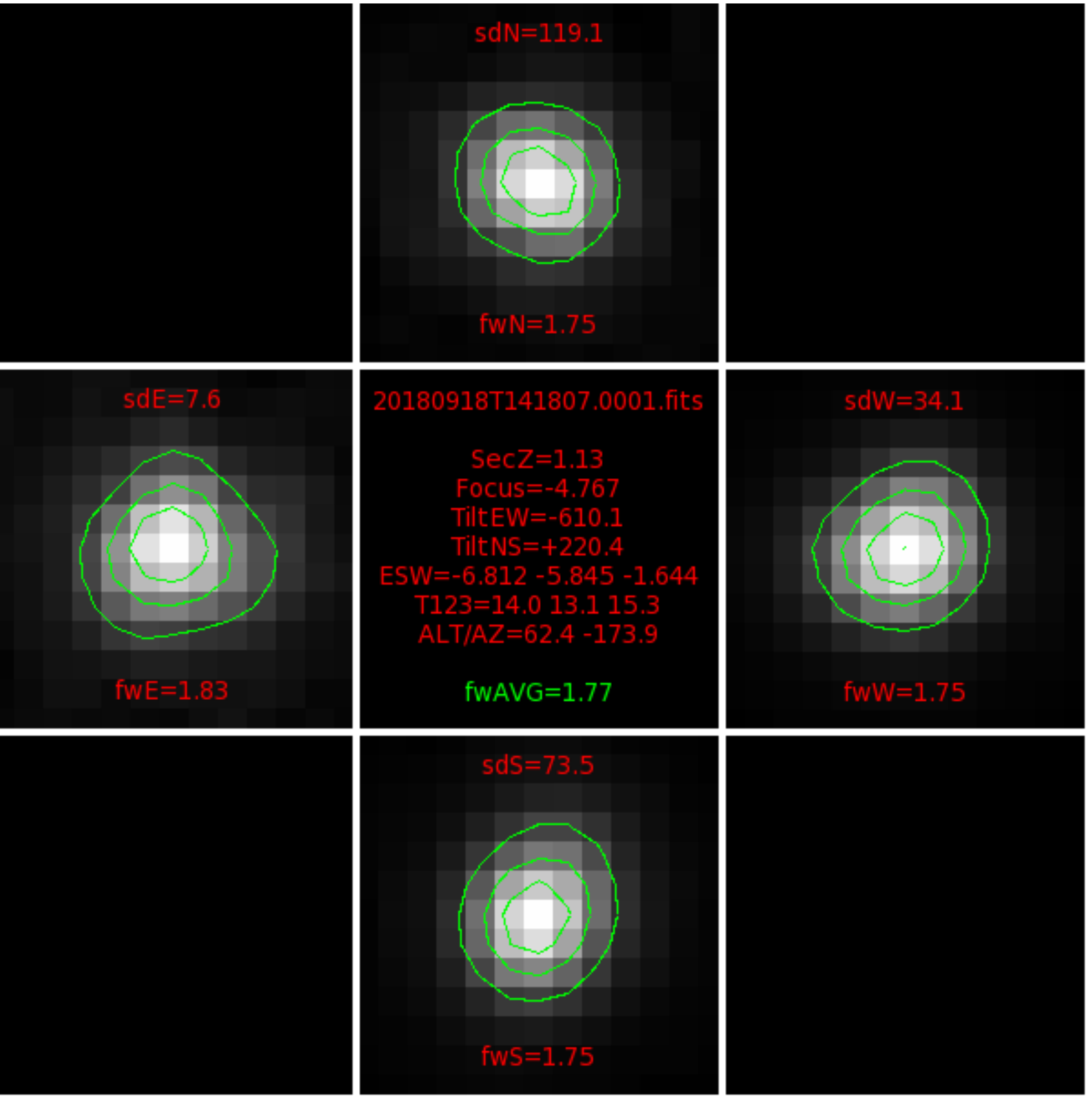
sdN=119.1
fwN=1.75
sdE=7.6
fwE=1.83
20180918T141807.0001.fits
SecZ=1.13
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=14.0 13.1 15.3
ALT/AZ=62.4 -173.9
fwAVG=1.77
sdW=34.1
fwW=1.75
sdS=73.5
fwS=1.75
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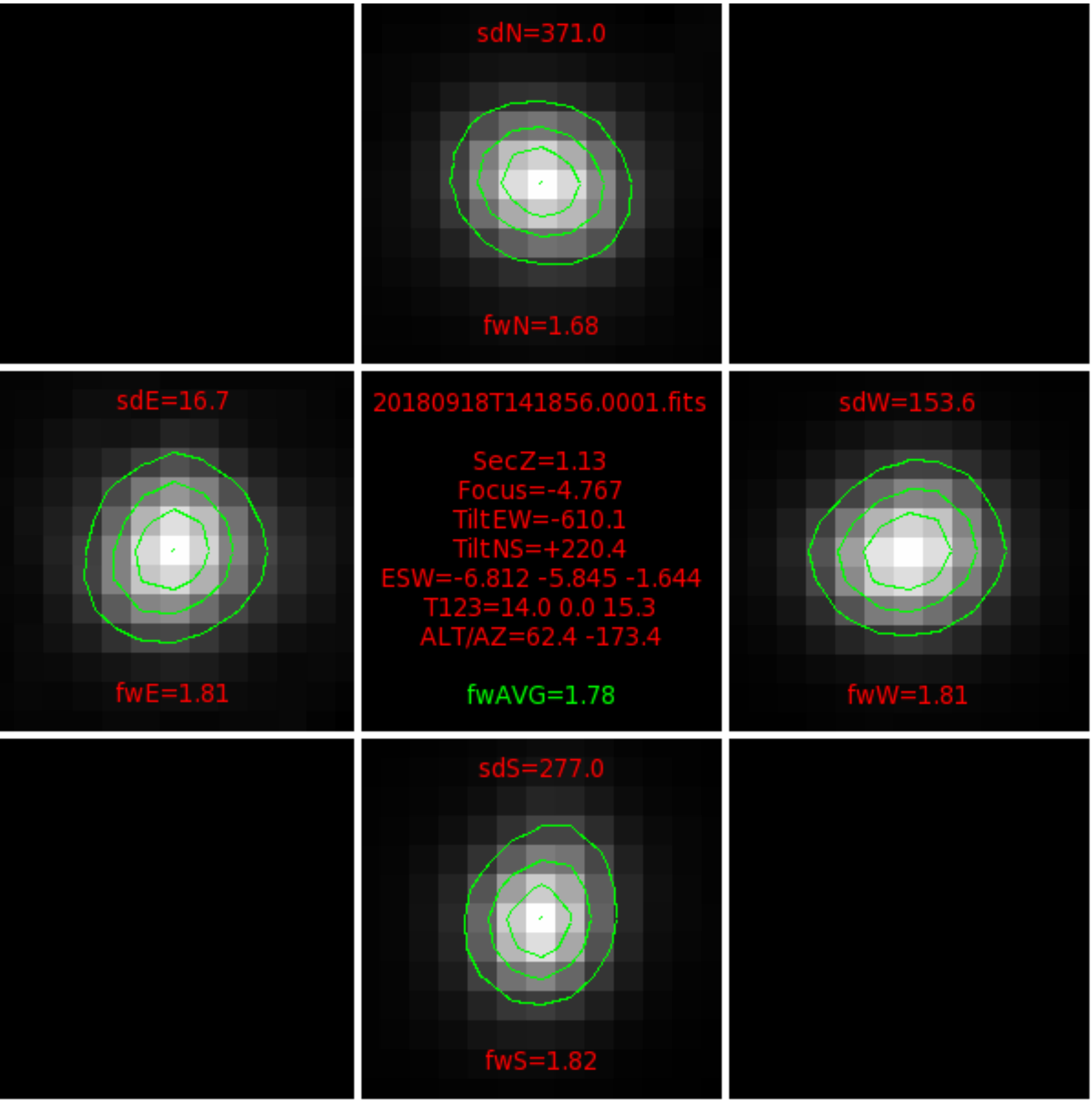
sdN=371.0
fwN=1.68
sdE=16.7
fwE=1.81
20180918T141856.0001.fits
SecZ=1.13
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=14.0 0.0 15.3
ALT/AZ=62.4 -173.4
fwAVG=1.78
sdW=153.6
fwW=1.81
sdS=277.0
fwS=1.82
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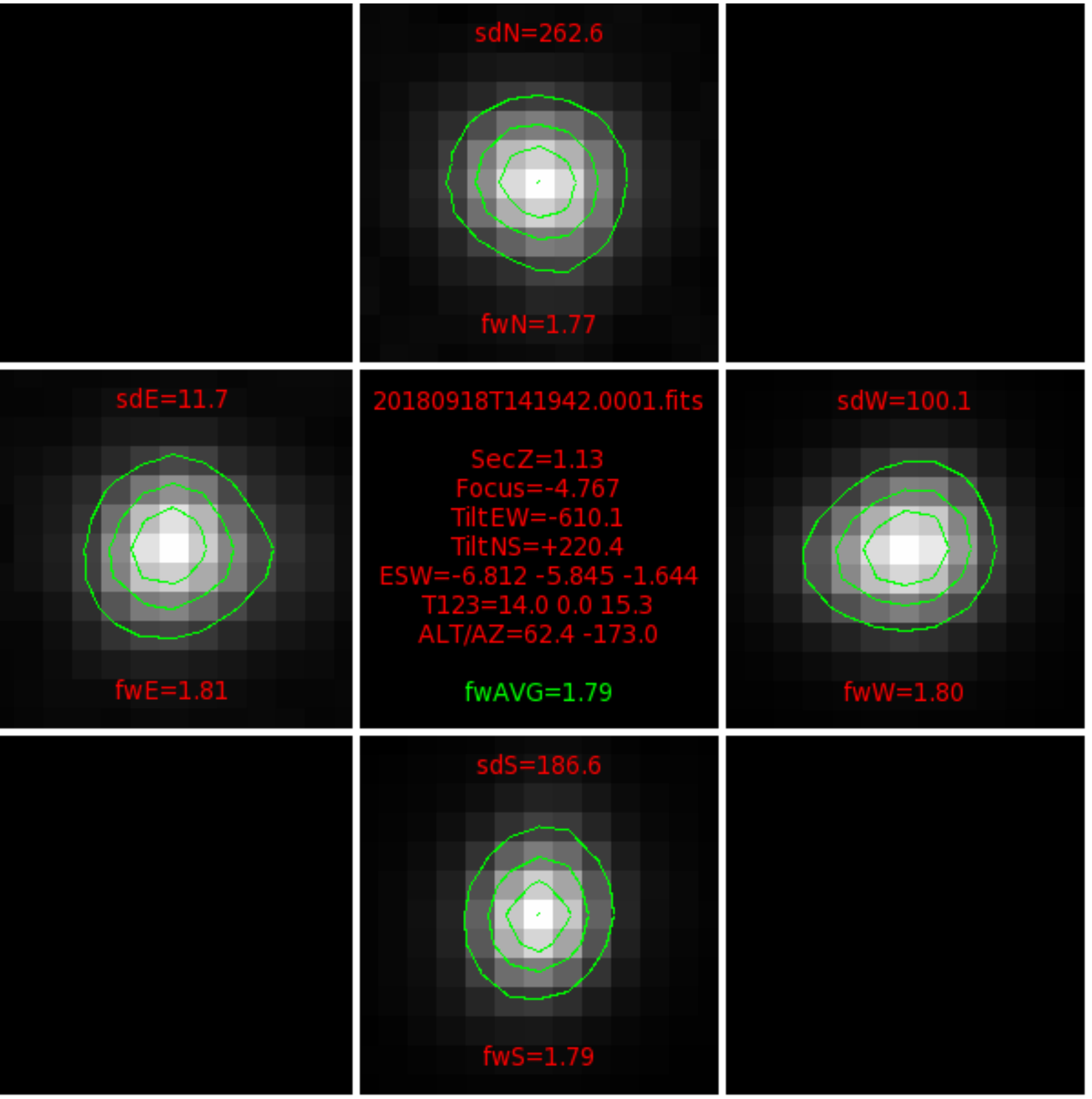
sdN=262.6
fwN=1.77
sdE=11.7
fwE=1.81
20180918T141942.0001.fits
SecZ=1.13
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=14.0 0.0 15.3
ALT/AZ=62.4 -173.0
fwAVG=1.79
sdW=100.1
fwW=1.80
sdS=186.6
fwS=1.79
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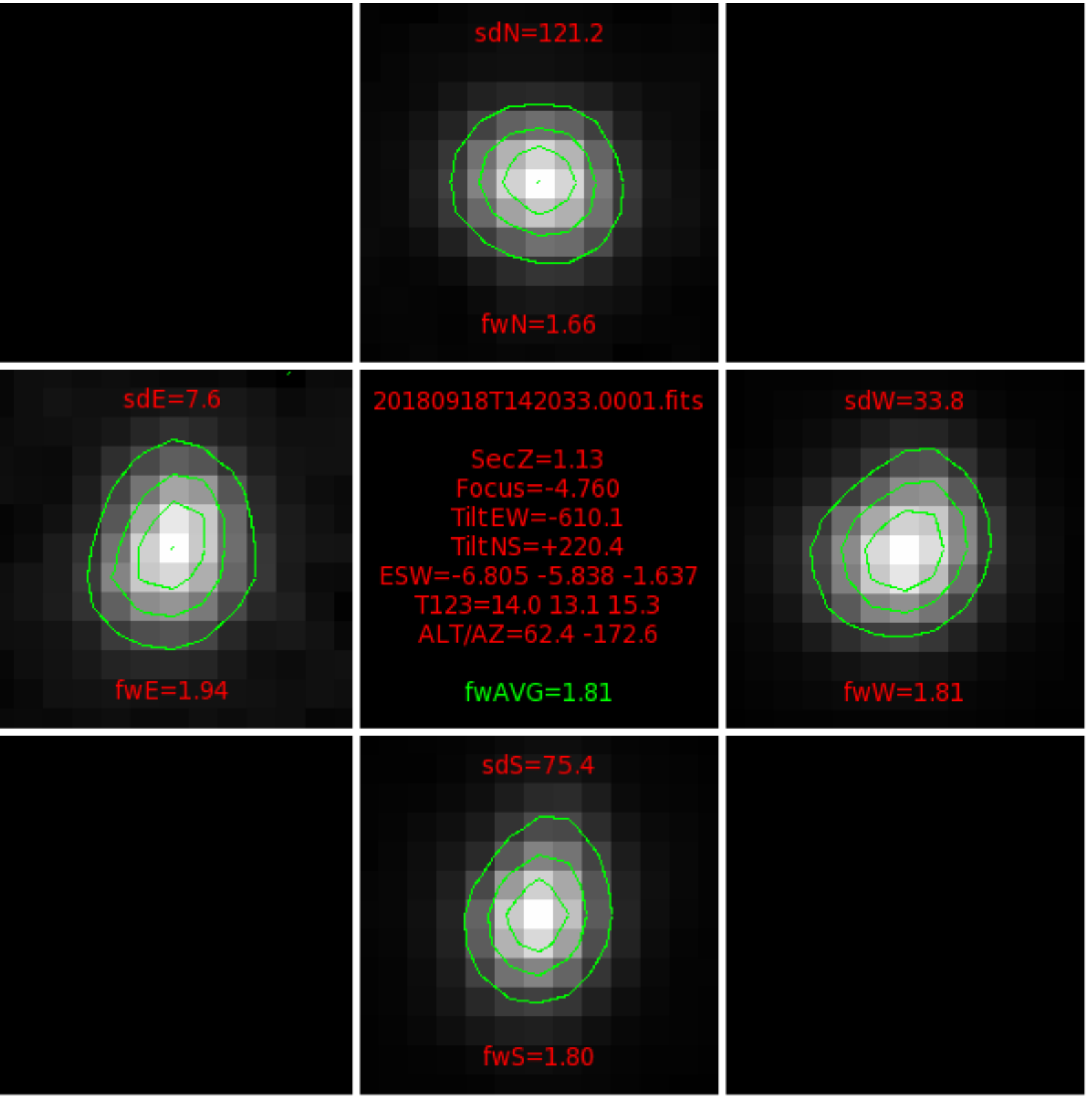
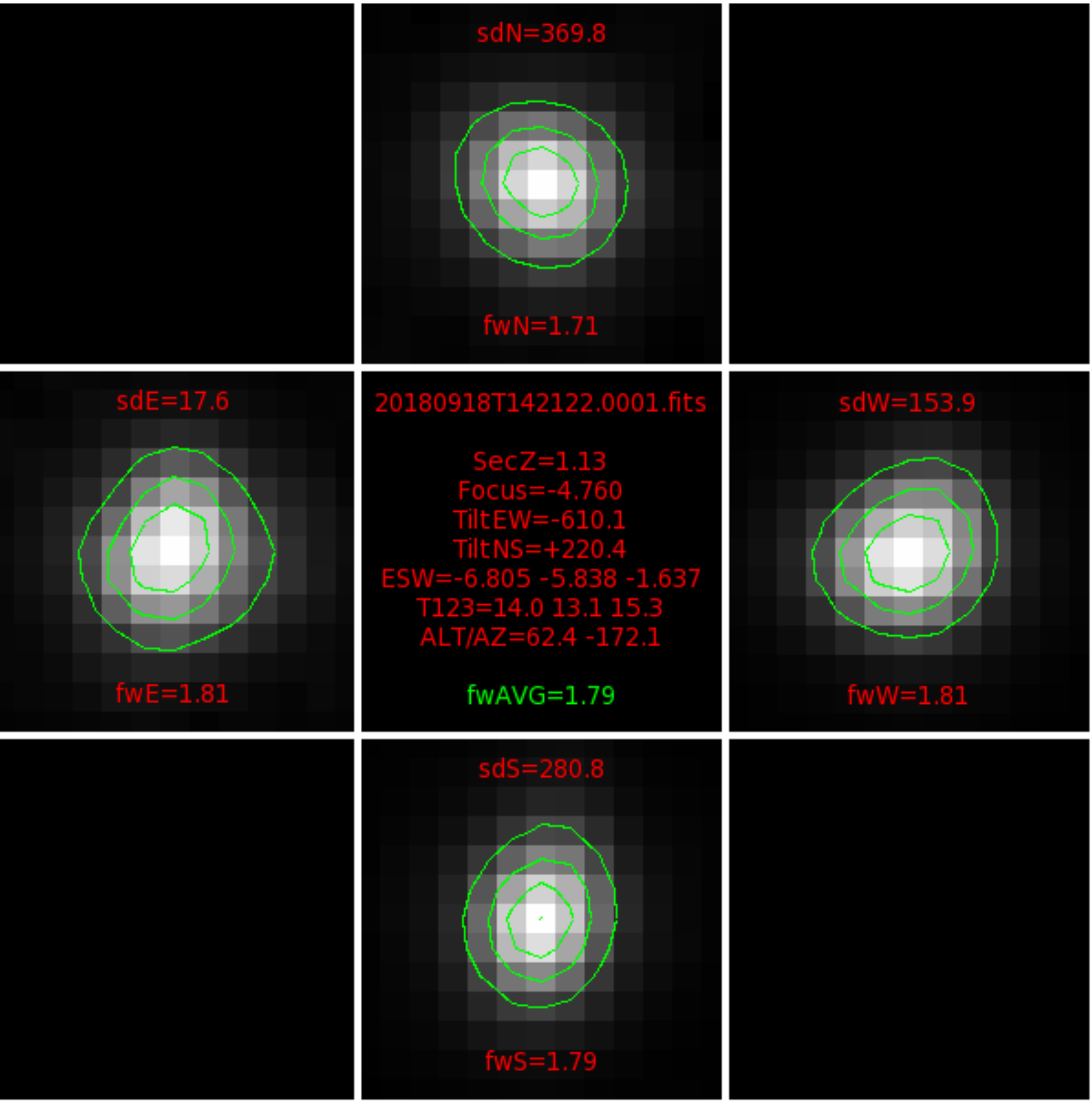
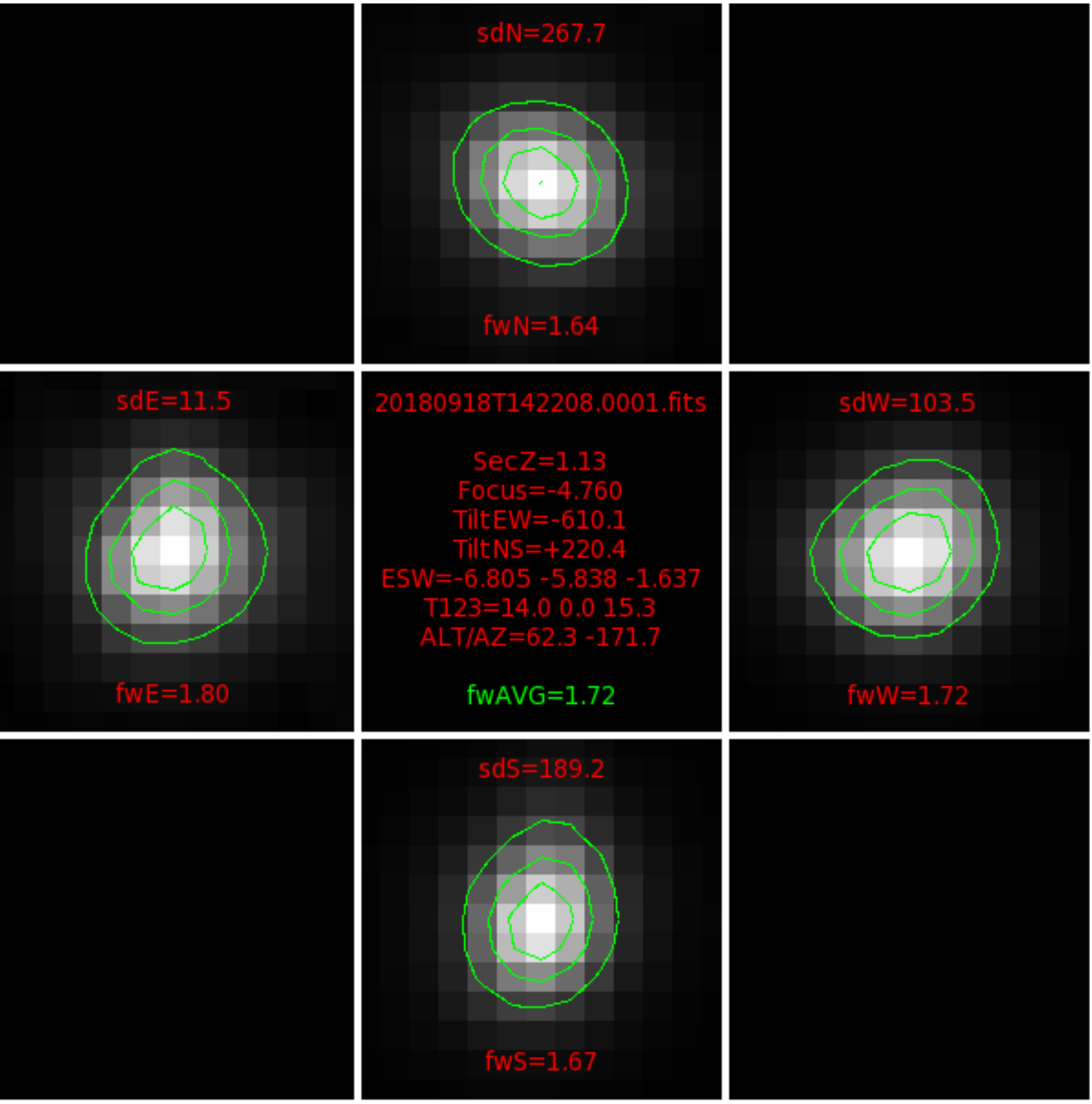

sdN=121.2
fwN=1.66
sdE=7.6
fwE=1.94
20180918T142033.0001.fits
SecZ=1.13
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.1 15.3
ALT/AZ=62.4 -172.6
fwAVG=1.81
sdW=33.8
fwW=1.81
sdS=75.4
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=369.8
fwN=1.71
sdE=17.6
fwE=1.81
20180918T142122.0001.fits
SecZ=1.13
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.1 15.3
ALT/AZ=62.4 -172.1
fwAVG=1.79
sdW=153.9
fwW=1.81
sdS=280.8
fwS=1.79
0 0 0 0 0 0 0 0 0


sdN=267.7
fwN=1.64
sdE=11.5
fwE=1.80
20180918T142208.0001.fits
SecZ=1.13
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 0.0 15.3
ALT/AZ=62.3 -171.7
fwAVG=1.72
sdW=103.5
fwW=1.72
sdS=189.2
fwS=1.67
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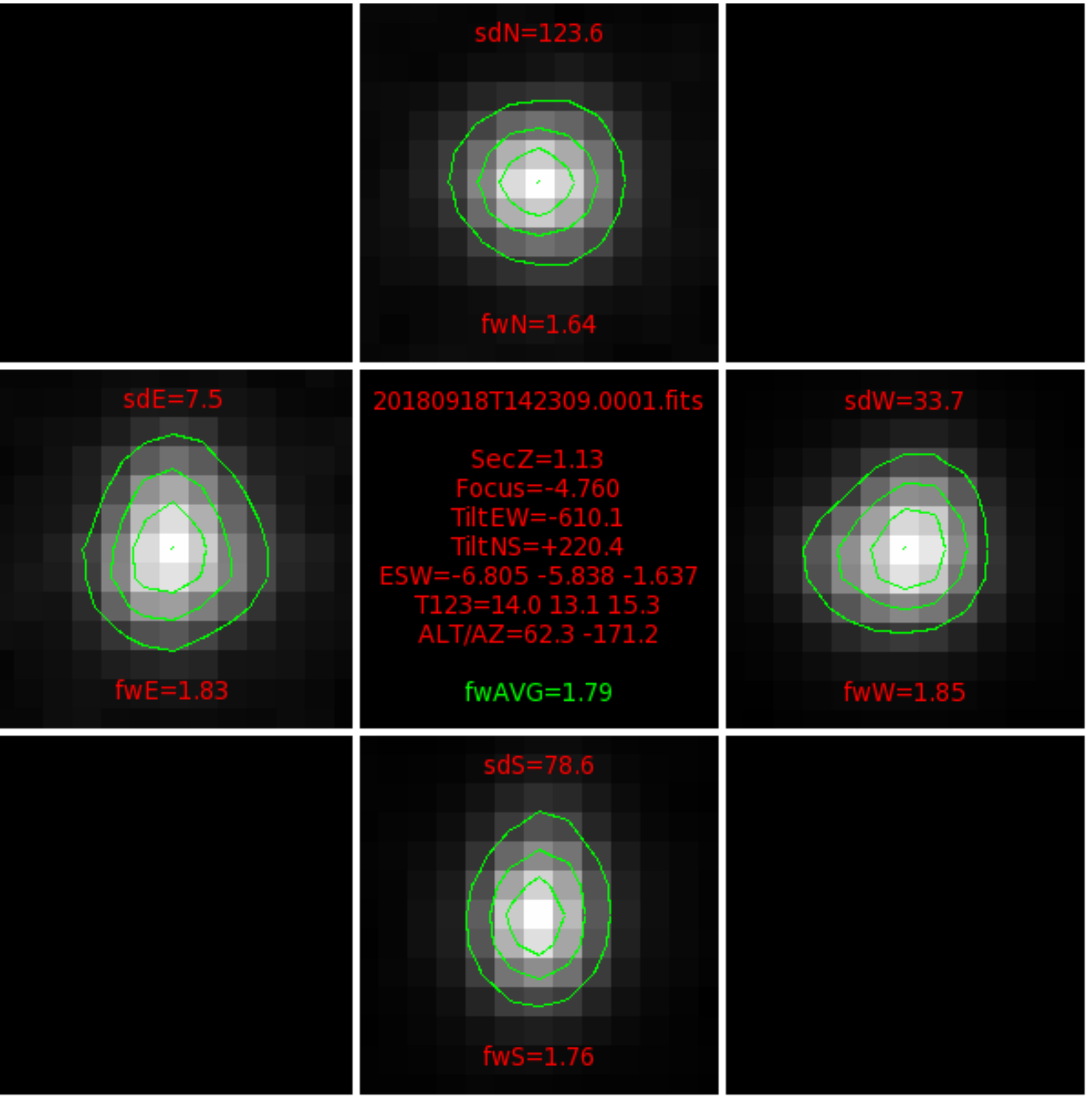
sdN=123.6
fwN=1.64
sdE=7.5
fwE=1.83
20180918T142309.0001.fits
SecZ=1.13
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.1 15.3
ALT/AZ=62.3 -171.2
fwAVG=1.79
sdW=33.7
fwW=1.85
sdS=78.6
fwS=1.76
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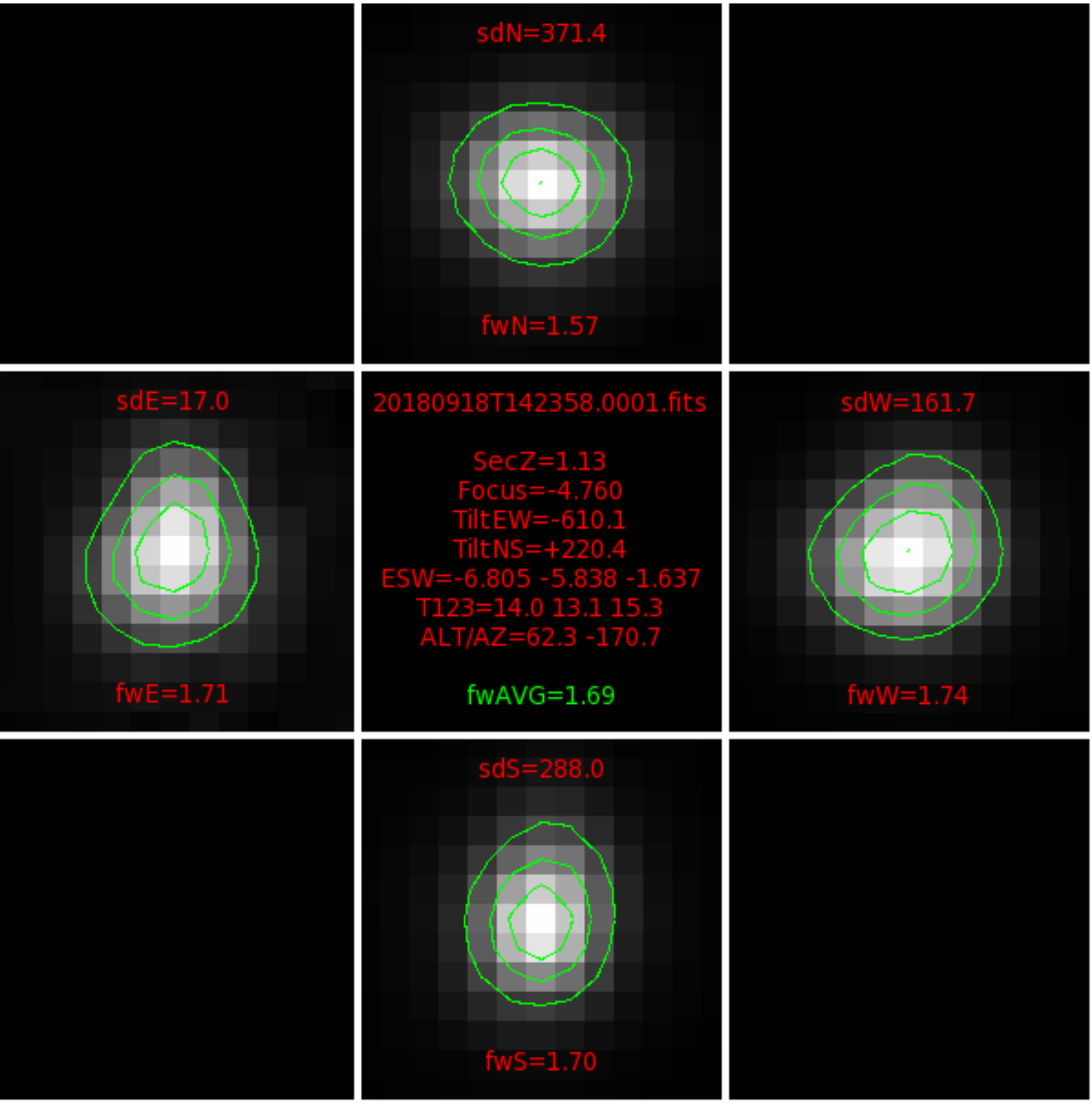
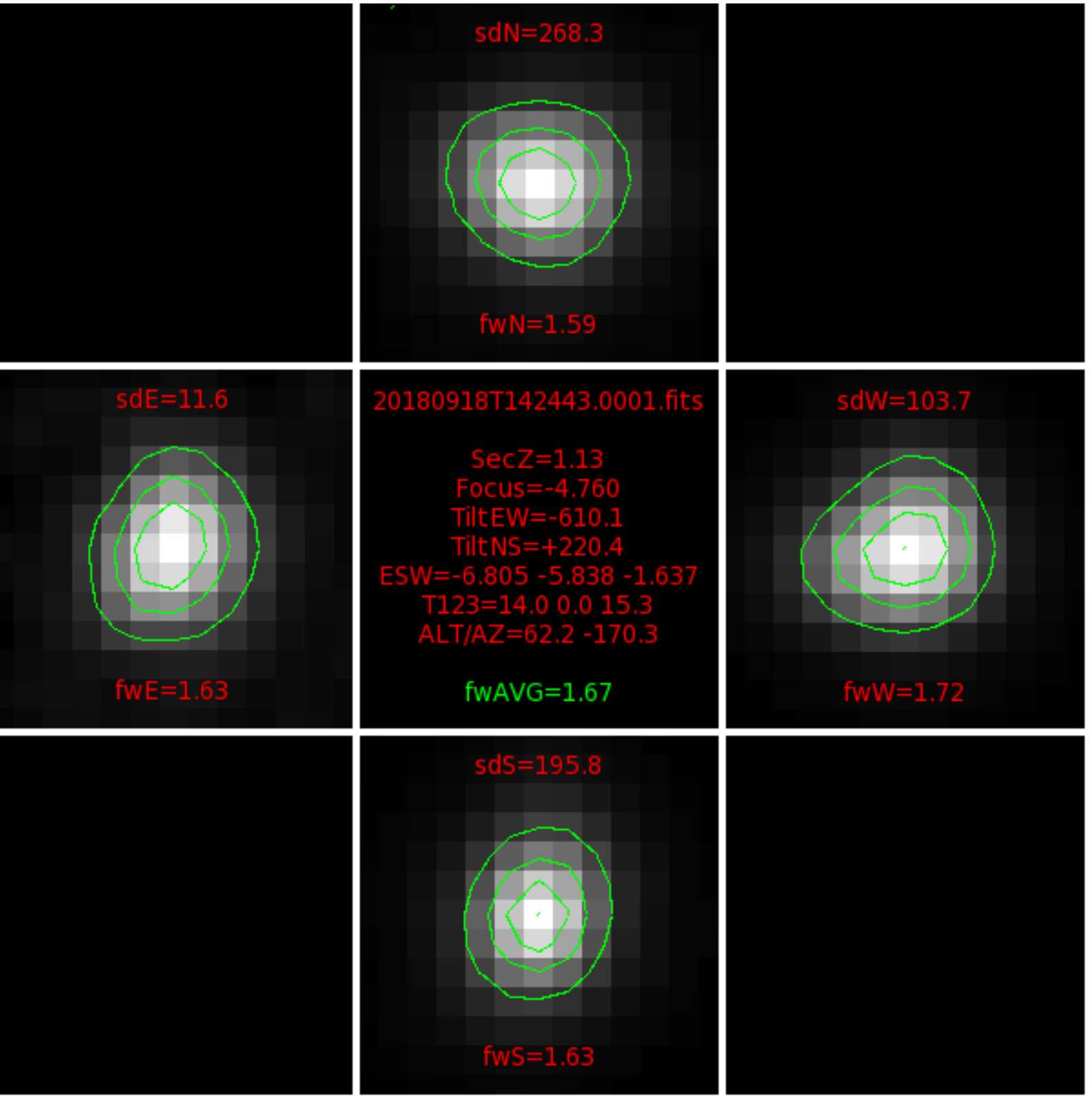

sdN=371.4
fwN=1.57
sdE=17.0
fwE=1.71
20180918T142358.0001.fits
SecZ=1.13
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.1 15.3
ALT/AZ=62.3 -170.7
fwAVG=1.69
sdW=161.7
fwW=1.74
sdS=288.0
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=268.3
fwN=1.59
sdE=11.6
fwE=1.63
20180918T142443.0001.fits
SecZ=1.13
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 0.0 15.3
ALT/AZ=62.2 -170.3
fwAVG=1.67
sdW=103.7
fwW=1.72
sdS=195.8
fwS=1.63
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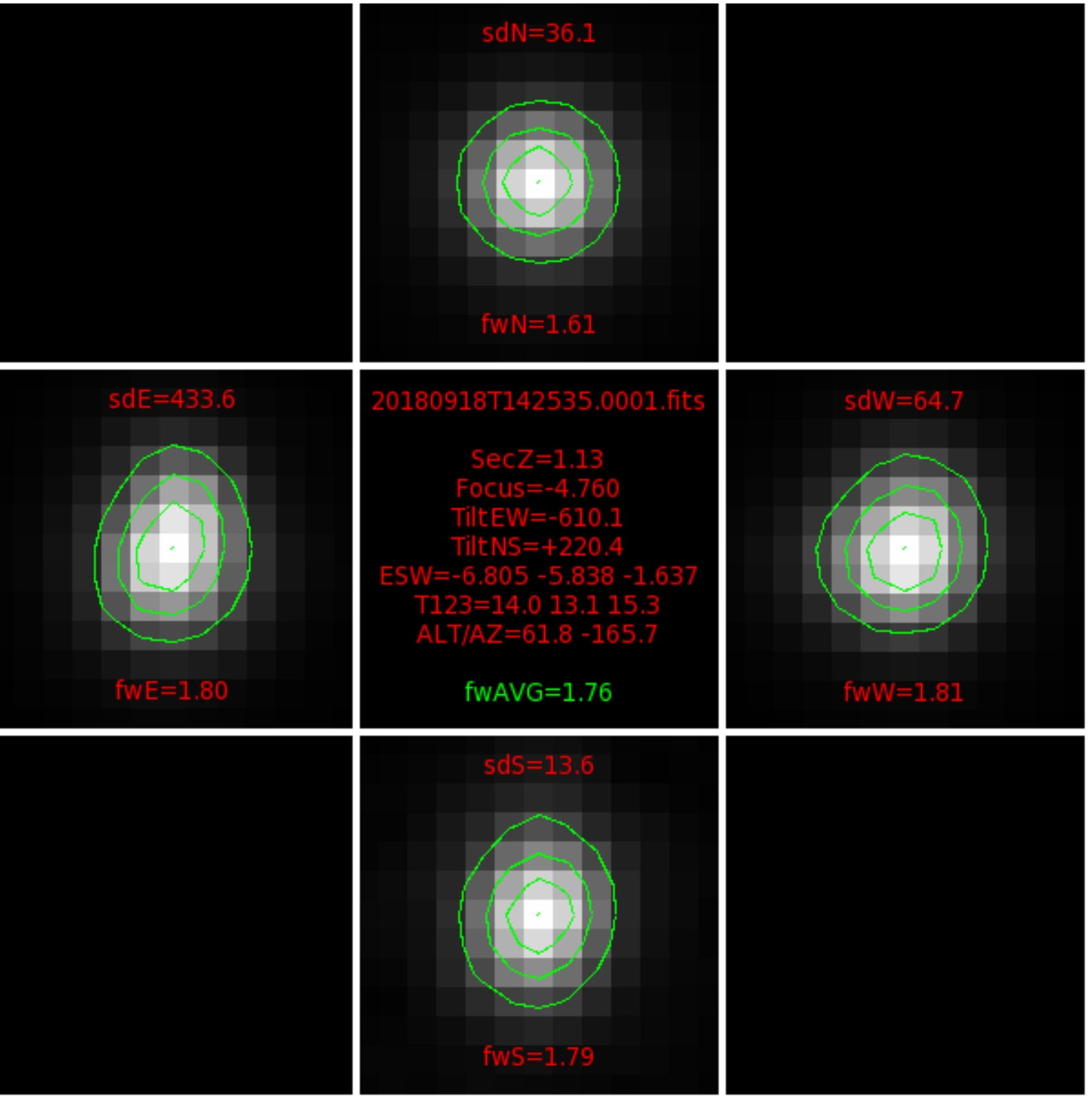
sdN=36.1
fwN=1.61
sdE=433.6
fwE=1.80
20180918T142535.0001.fits
SecZ=1.13
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.1 15.3
ALT/AZ=61.8 -165.7
fwAVG=1.76
sdW=64.7
fwW=1.81
sdS=13.6
fwS=1.79
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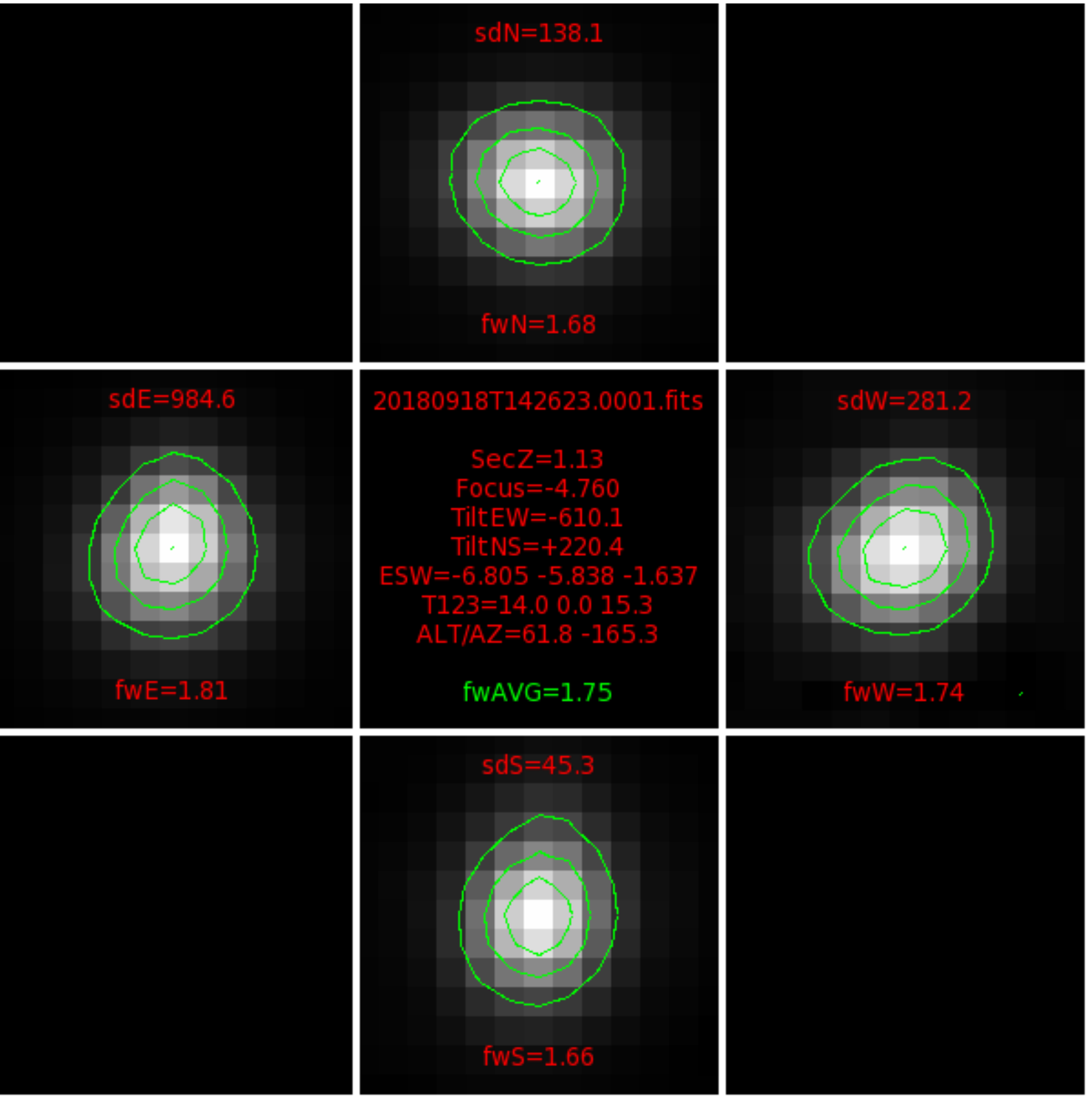
sdN=138.1
fwN=1.68
sdE=984.6
fwE=1.81
20180918T142623.0001.fits
SecZ=1.13
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 0.0 15.3
ALT/AZ=61.8 -165.3
fwAVG=1.75
sdW=281.2
fwW=1.74
sdS=45.3
fwS=1.66
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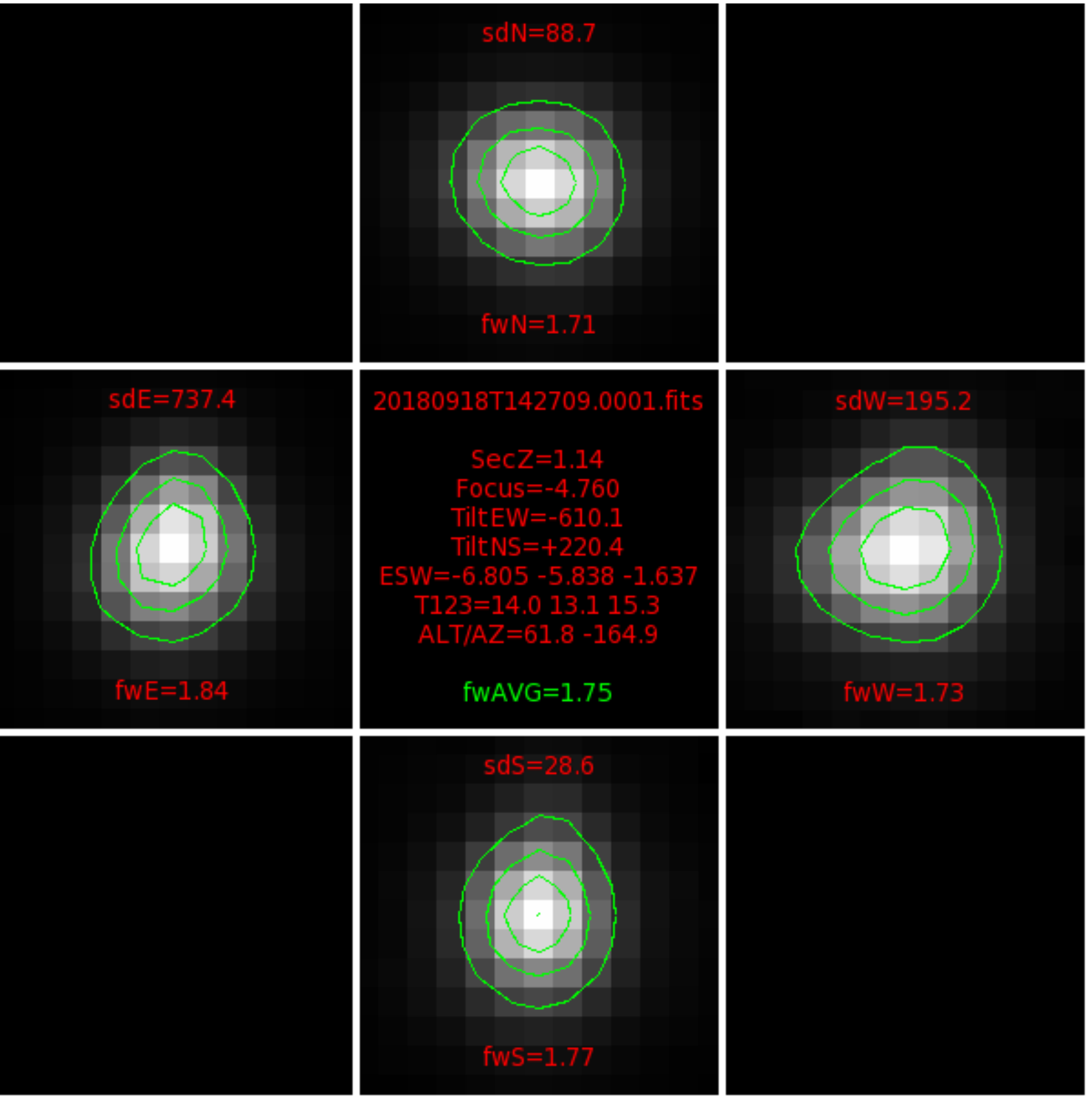
sdN=88.7
fwN=1.71
sdE=737.4
fwE=1.84
20180918T142709.0001.fits
SecZ=1.14
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.1 15.3
ALT/AZ=61.8 -164.9
fwAVG=1.75
sdW=195.2
fwW=1.73
sdS=28.6
fwS=1.77
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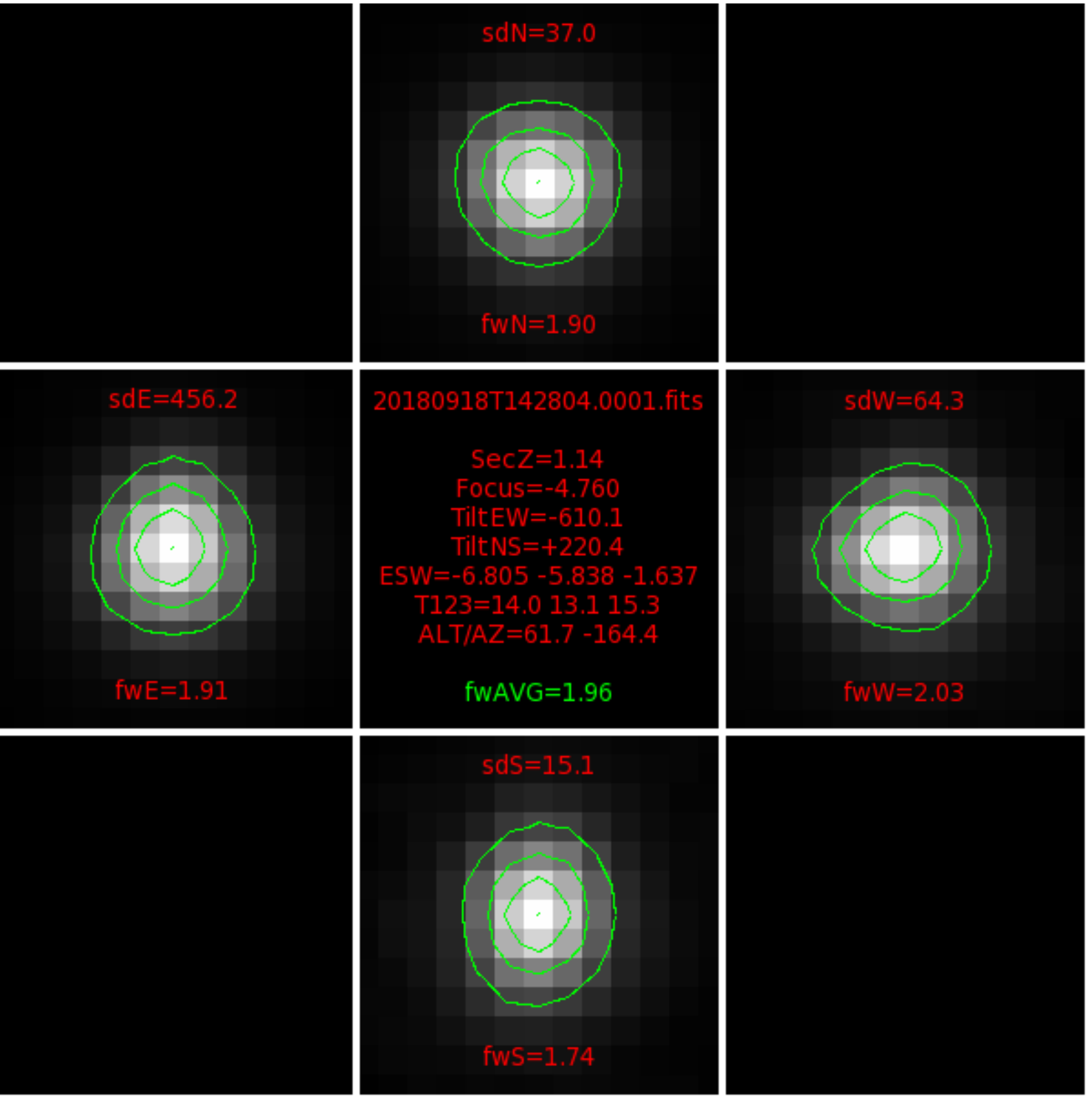
sdN=37.0
fwN=1.90
sdE=456.2
fwE=1.91
20180918T142804.0001.fits
SecZ=1.14
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.1 15.3
ALT/AZ=61.7 -164.4
fwAVG=1.96
sdW=64.3
fwW=2.03
sdS=15.1
fwS=1.74
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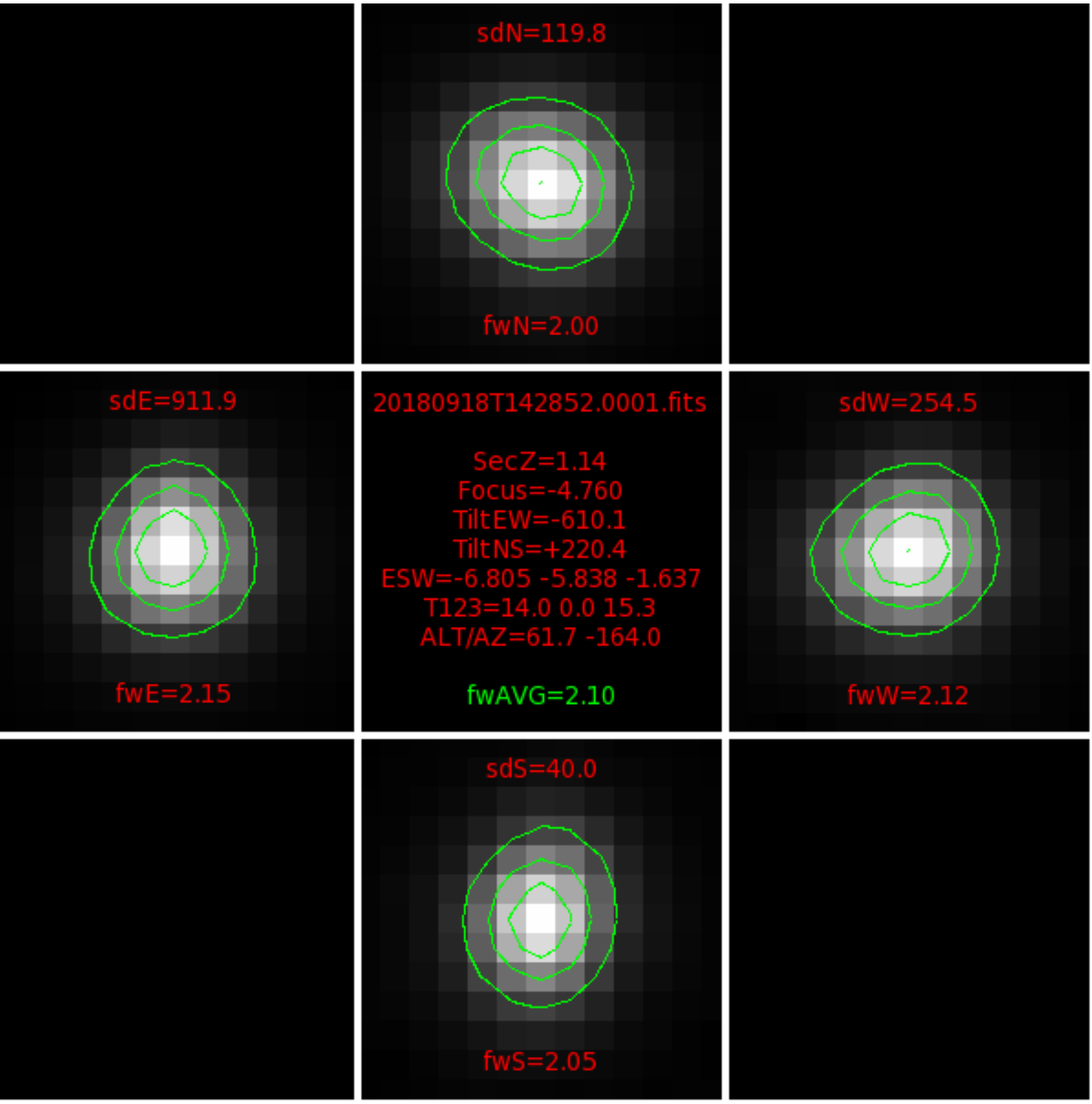
sdN=119.8
fwN=2.00
sdE=911.9
fwE=2.15
20180918T142852.0001.fits
SecZ=1.14
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 0.0 15.3
ALT/AZ=61.7 -164.0
fwAVG=2.10
sdW=254.5
fwW=2.12
sdS=40.0
fwS=2.05
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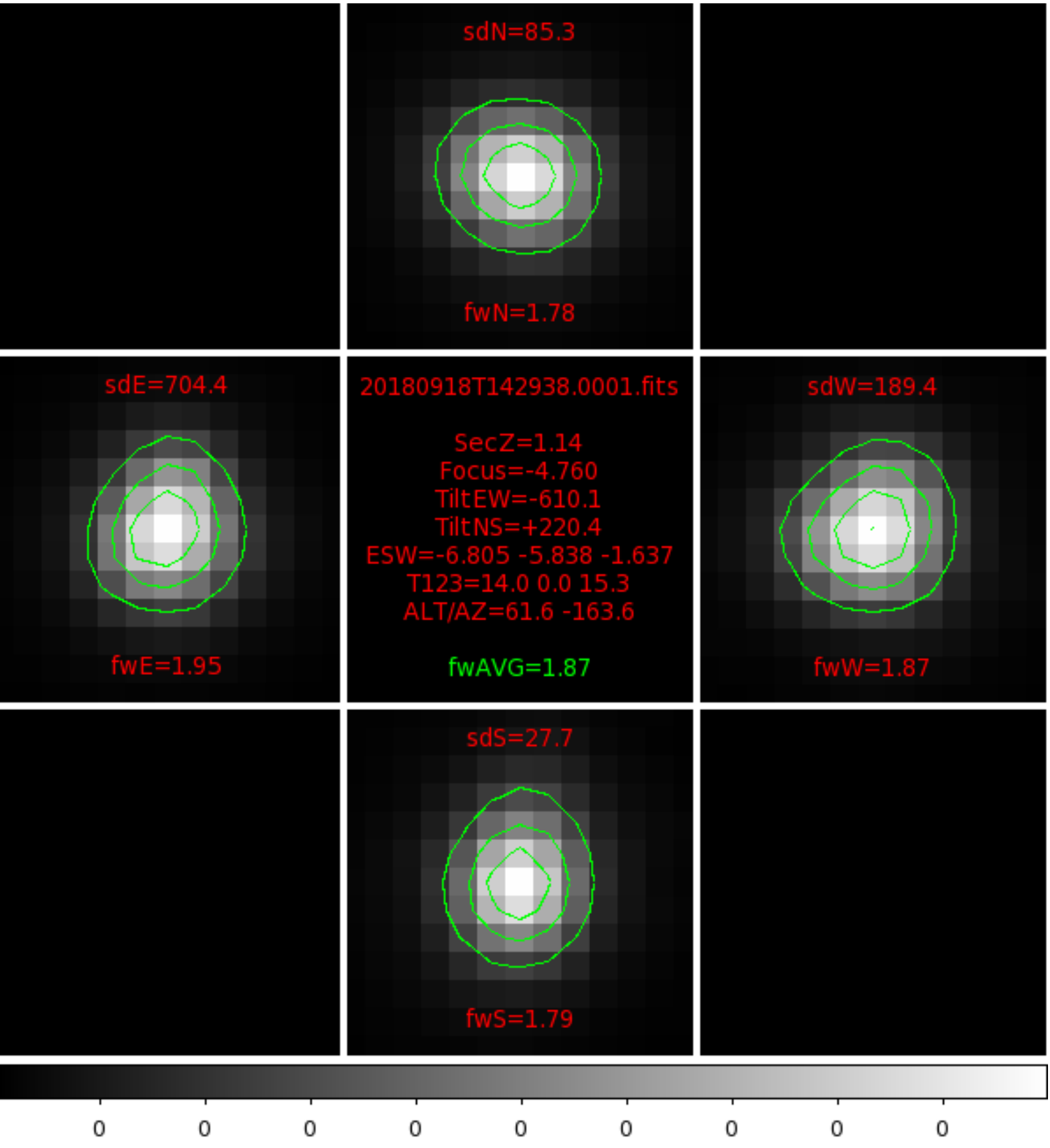
sdN=85.3
fwN=1.78
sdE=704.4
fwE=1.95
20180918T142938.0001.fits
SecZ=1.14
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 0.0 15.3
ALT/AZ=61.6 -163.6
fwAVG=1.87
sdW=189.4
fwW=1.87
sdS=27.7
fwS=1.79
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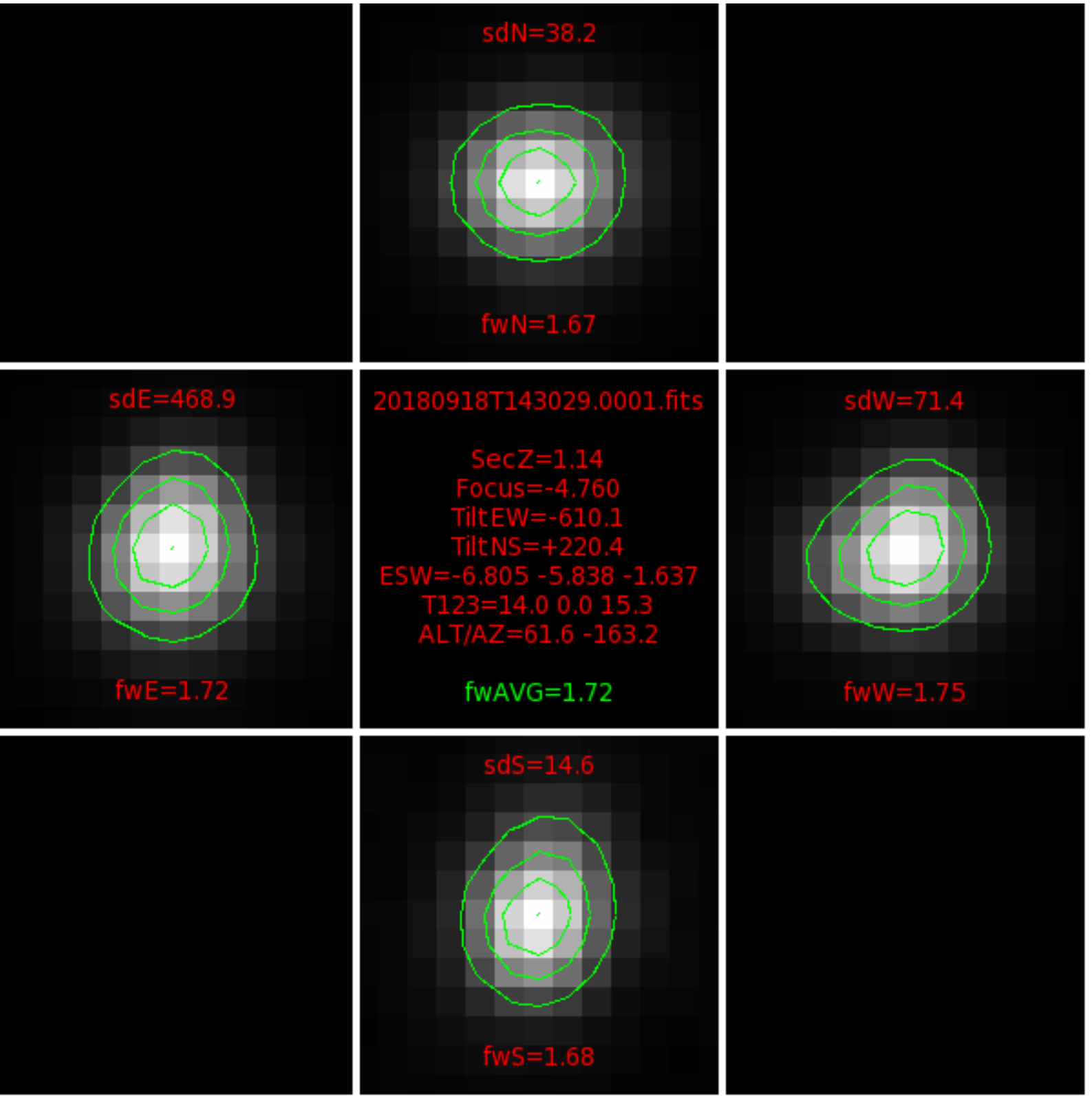
sdN=38.2
fwN=1.67
sdE=468.9
fwE=1.72
20180918T143029.0001.fits
SecZ=1.14
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 0.0 15.3
ALT/AZ=61.6 -163.2
fwAVG=1.72
sdW=71.4
fwW=1.75
sdS=14.6
fwS=1.68
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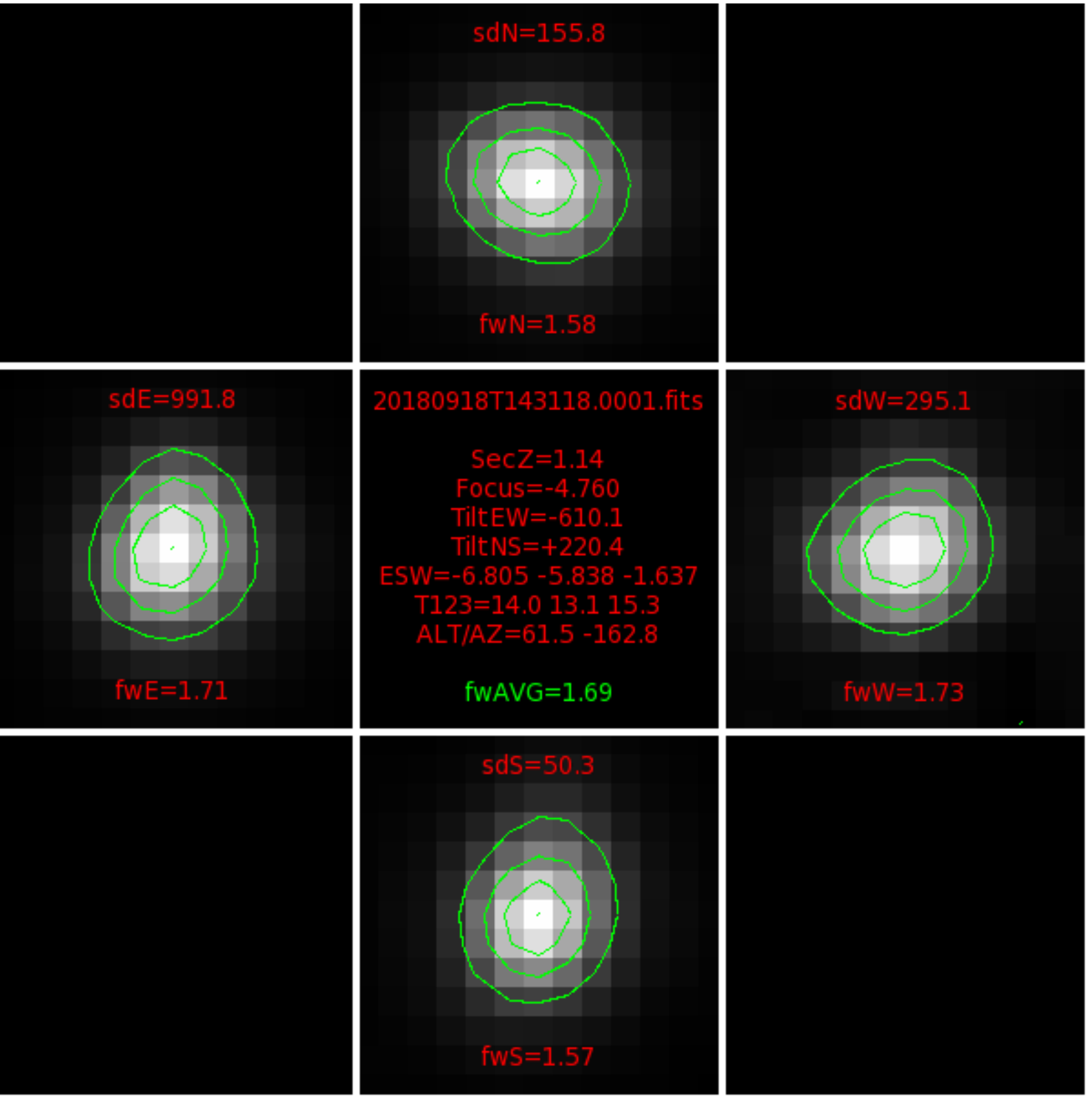
sdN=155.8
fwN=1.58
sdE=991.8
fwE=1.71
20180918T143118.0001.fits
SecZ=1.14
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.1 15.3
ALT/AZ=61.5 -162.8
fwAVG=1.69
sdW=295.1
fwW=1.73
sdS=50.3
fwS=1.57
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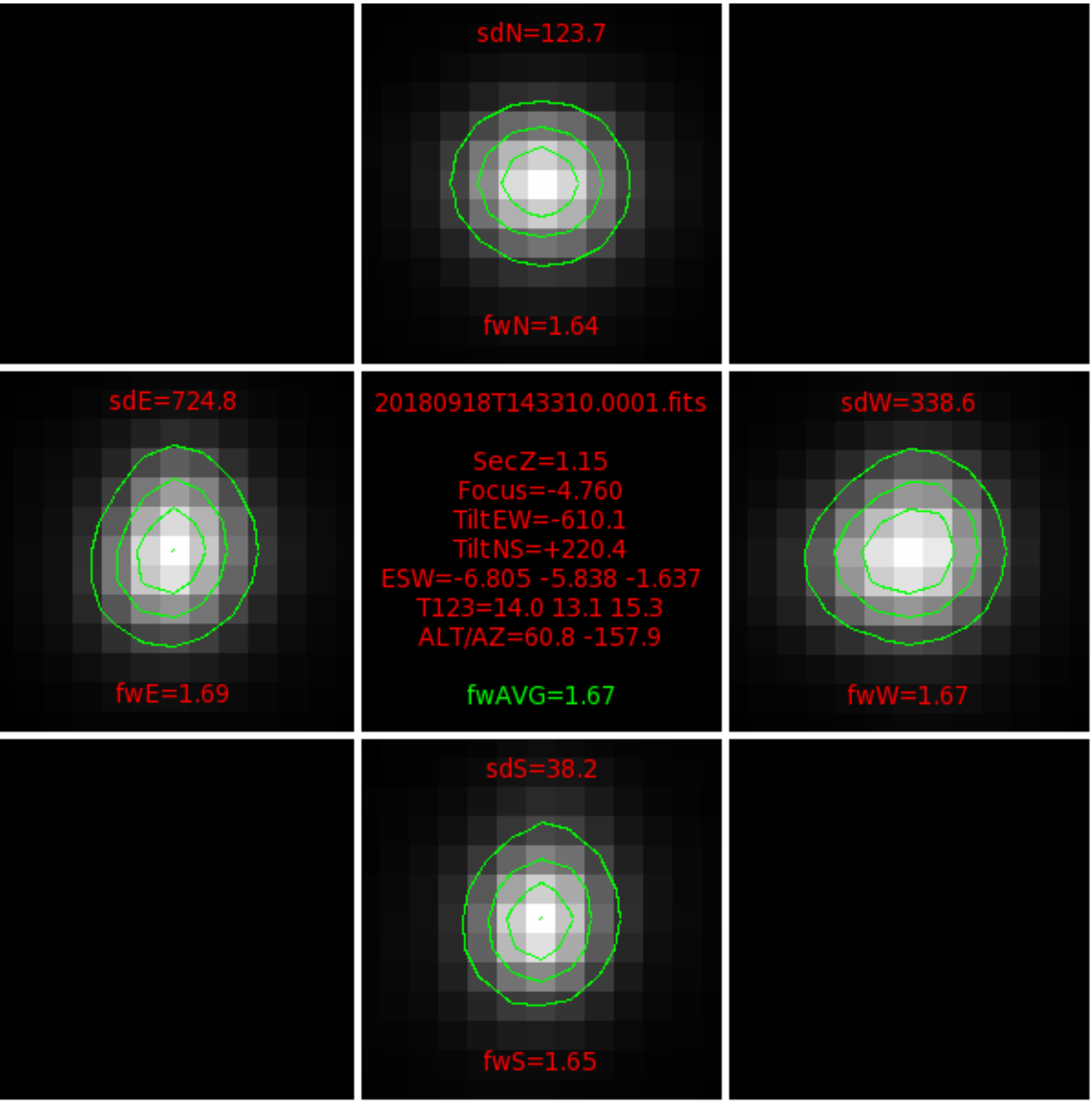
sdN=123.7
fwN=1.64
sdE=724.8
fwE=1.69
20180918T143310.0001.fits
SecZ=1.15
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.1 15.3
ALT/AZ=60.8 -157.9
fwAVG=1.67
sdW=338.6
fwW=1.67
sdS=38.2
fwS=1.65
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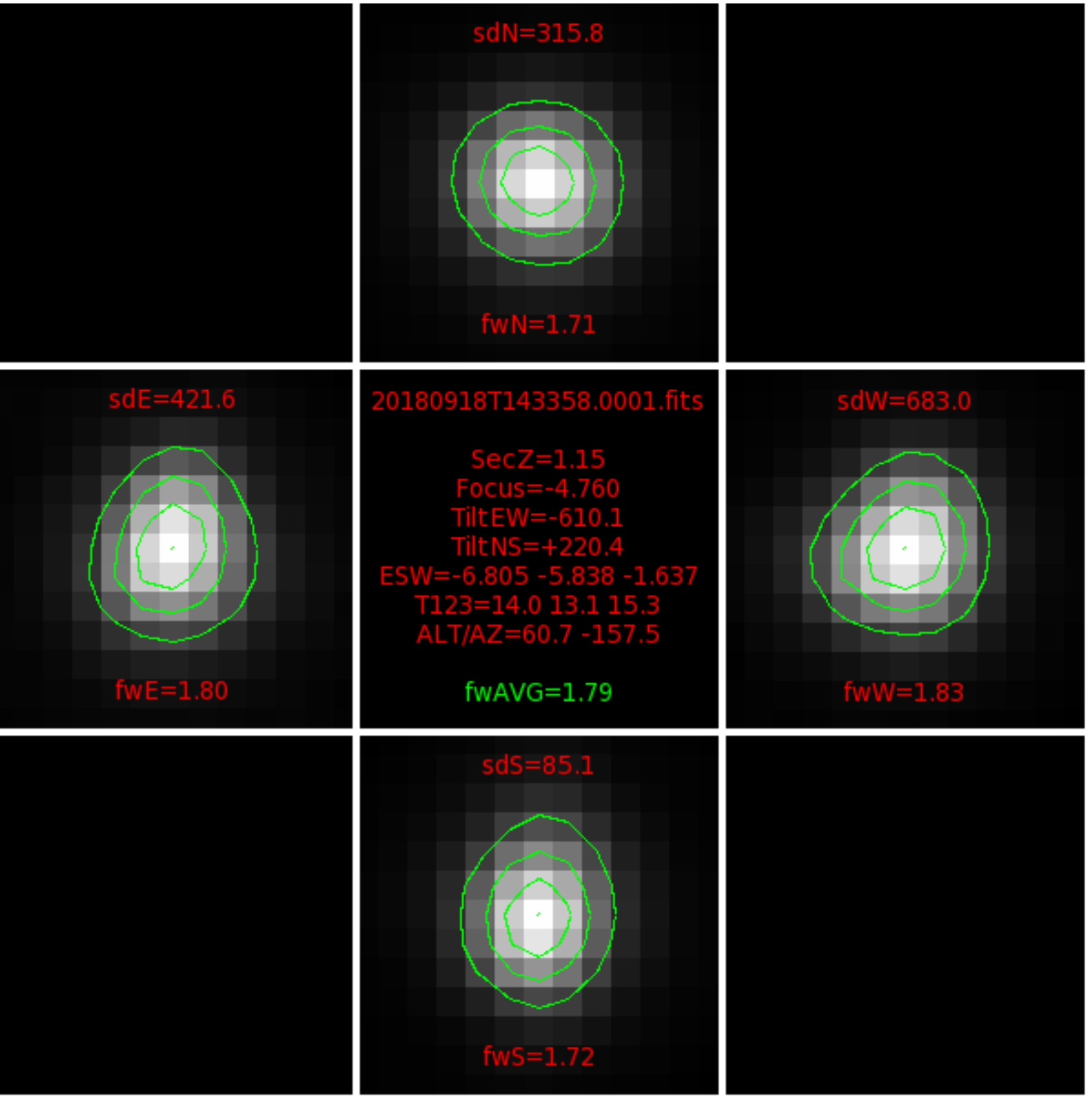
sdN=315.8
fwN=1.71
sdE=421.6
fwE=1.80
20180918T143358.0001.fits
SecZ=1.15
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.1 15.3
ALT/AZ=60.7 -157.5
fwAVG=1.79
sdW=683.0
fwW=1.83
sdS=85.1
fwS=1.72
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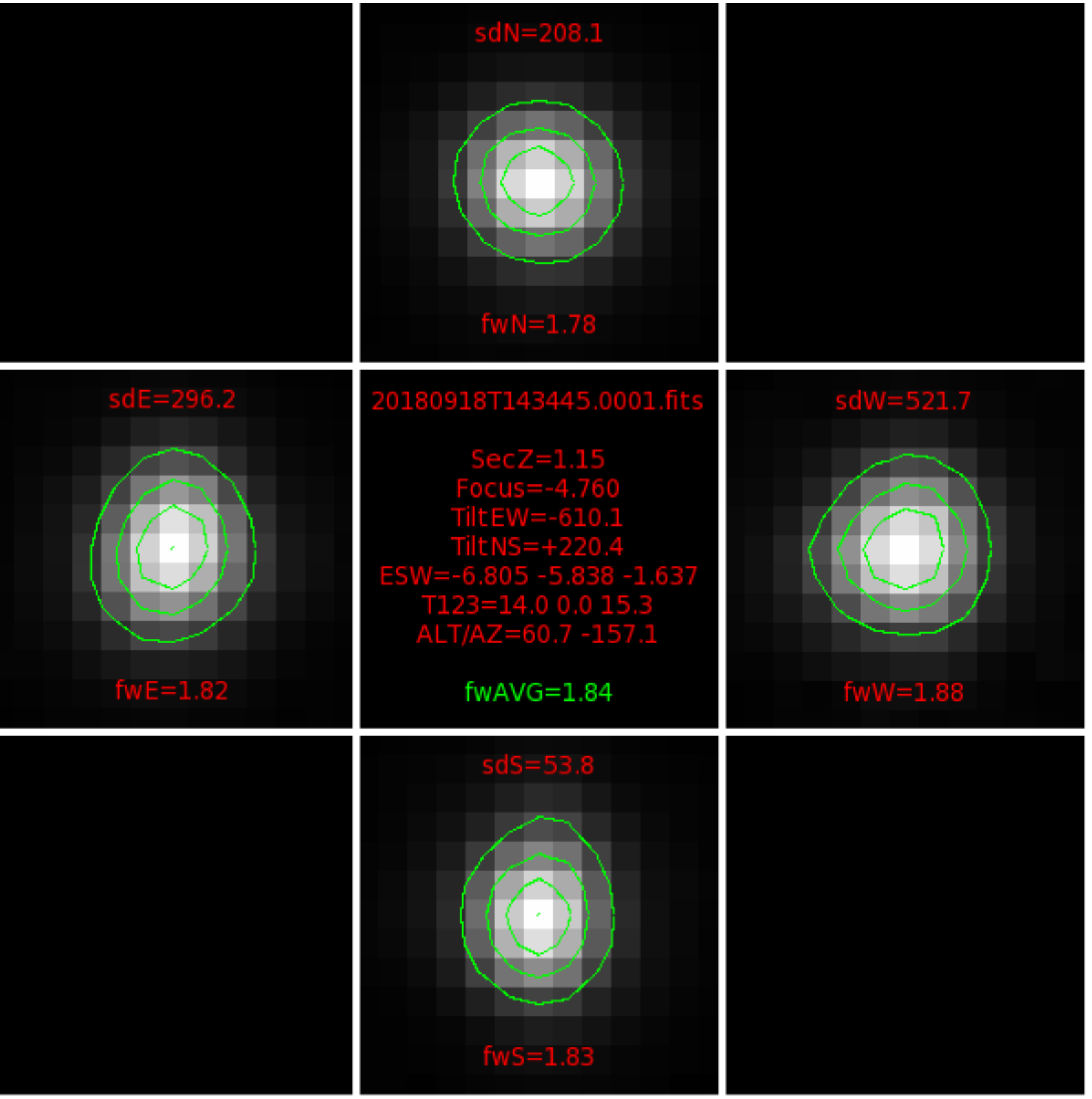
sdN=208.1
fwN=1.78
sdE=296.2
fwE=1.82
20180918T143445.0001.fits
SecZ=1.15
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 0.0 15.3
ALT/AZ=60.7 -157.1
fwAVG=1.84
sdW=521.7
fwW=1.88
sdS=53.8
fwS=1.83
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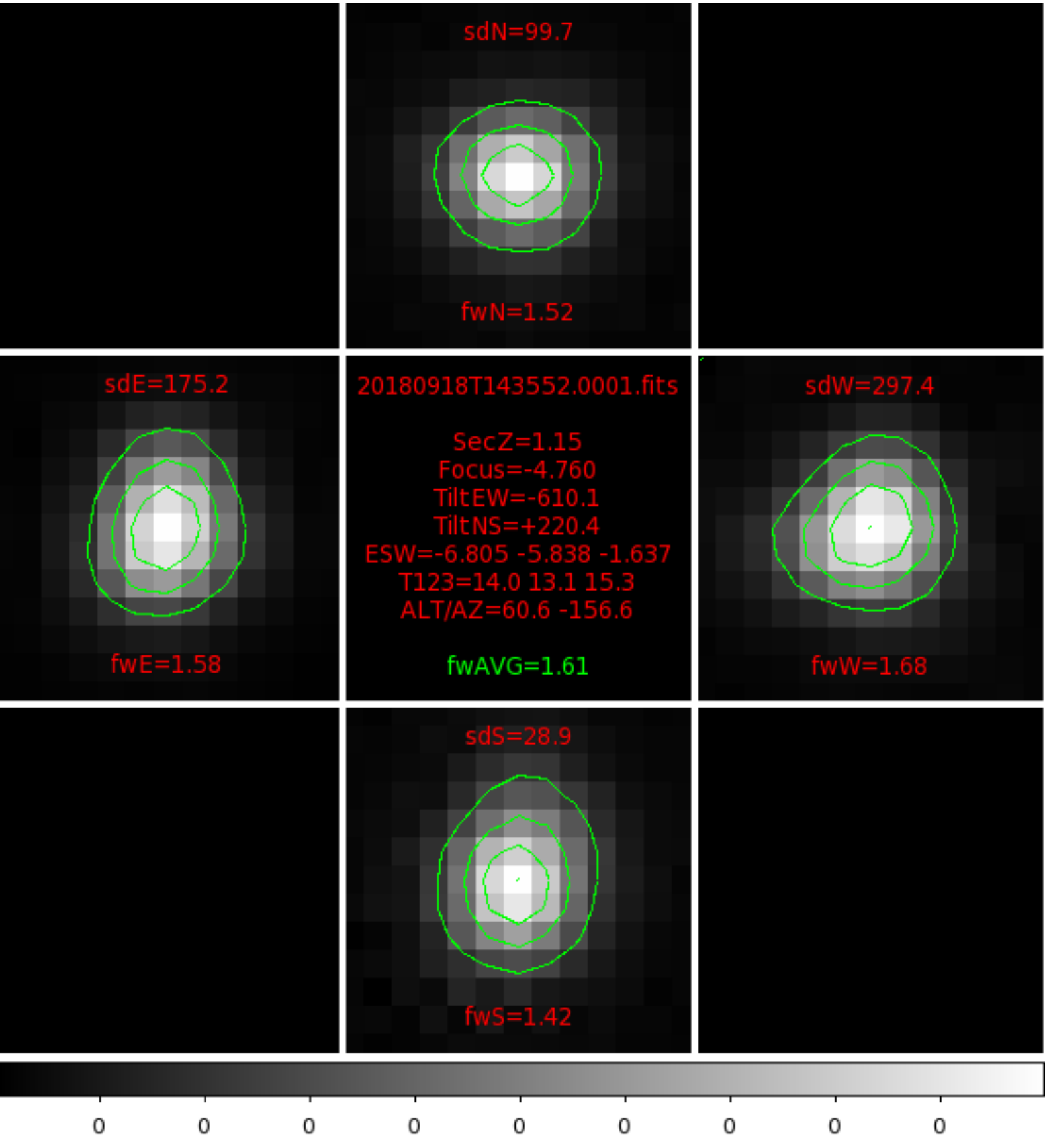
sdN=99.7
fwN=1.52
sdE=175.2
fwE=1.58
20180918T143552.0001.fits
SecZ=1.15
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.1 15.3
ALT/AZ=60.6 -156.6
fwAVG=1.61
sdW=297.4
fwW=1.68
sdS=28.9
fwS=1.42
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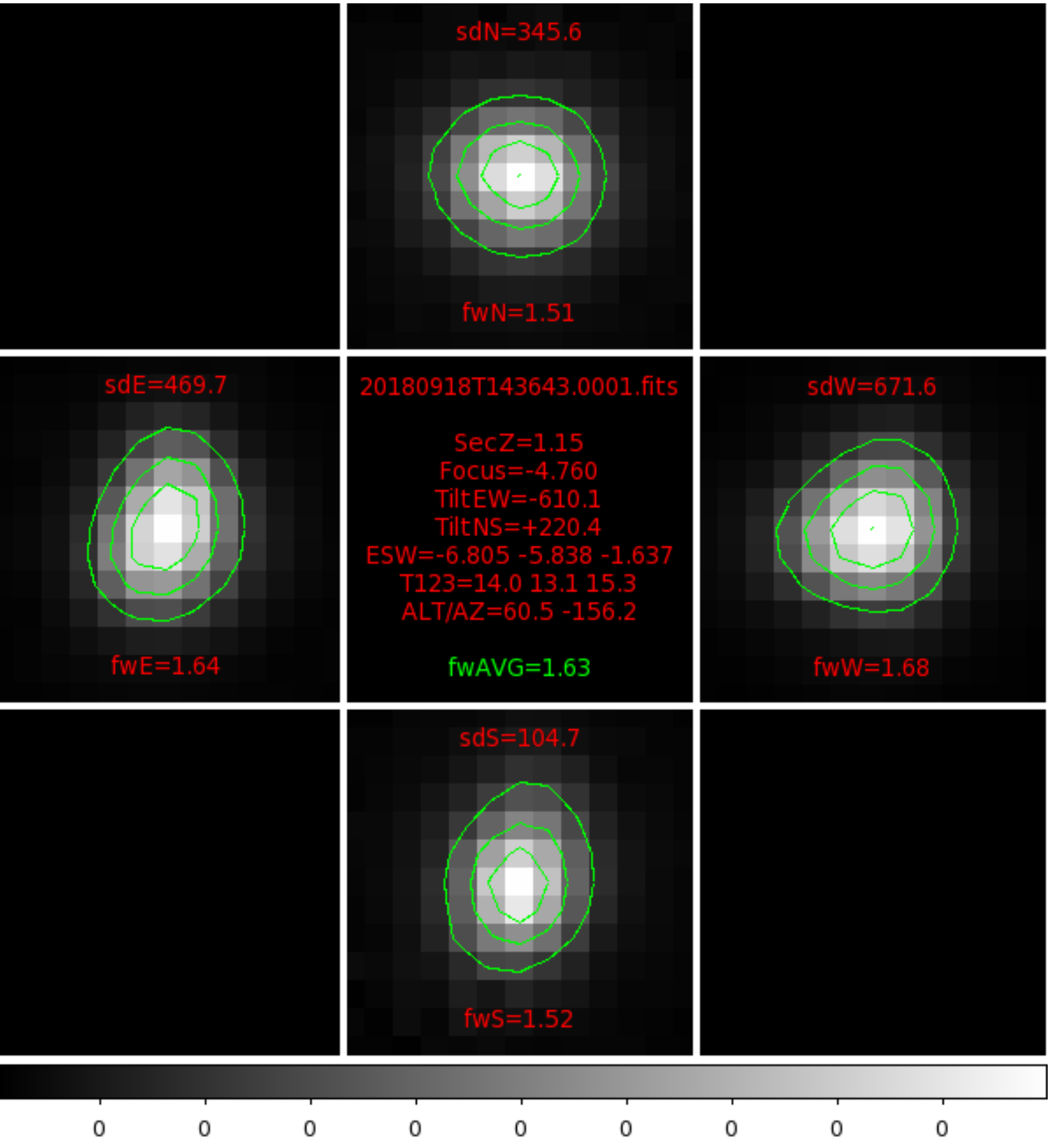
sdN=345.6
fwN=1.51
sdE=469.7
fwE=1.64
20180918T143643.0001.fits
SecZ=1.15
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.1 15.3
ALT/AZ=60.5 -156.2
fwAVG=1.63
sdW=671.6
fwW=1.68
sdS=104.7
fwS=1.52
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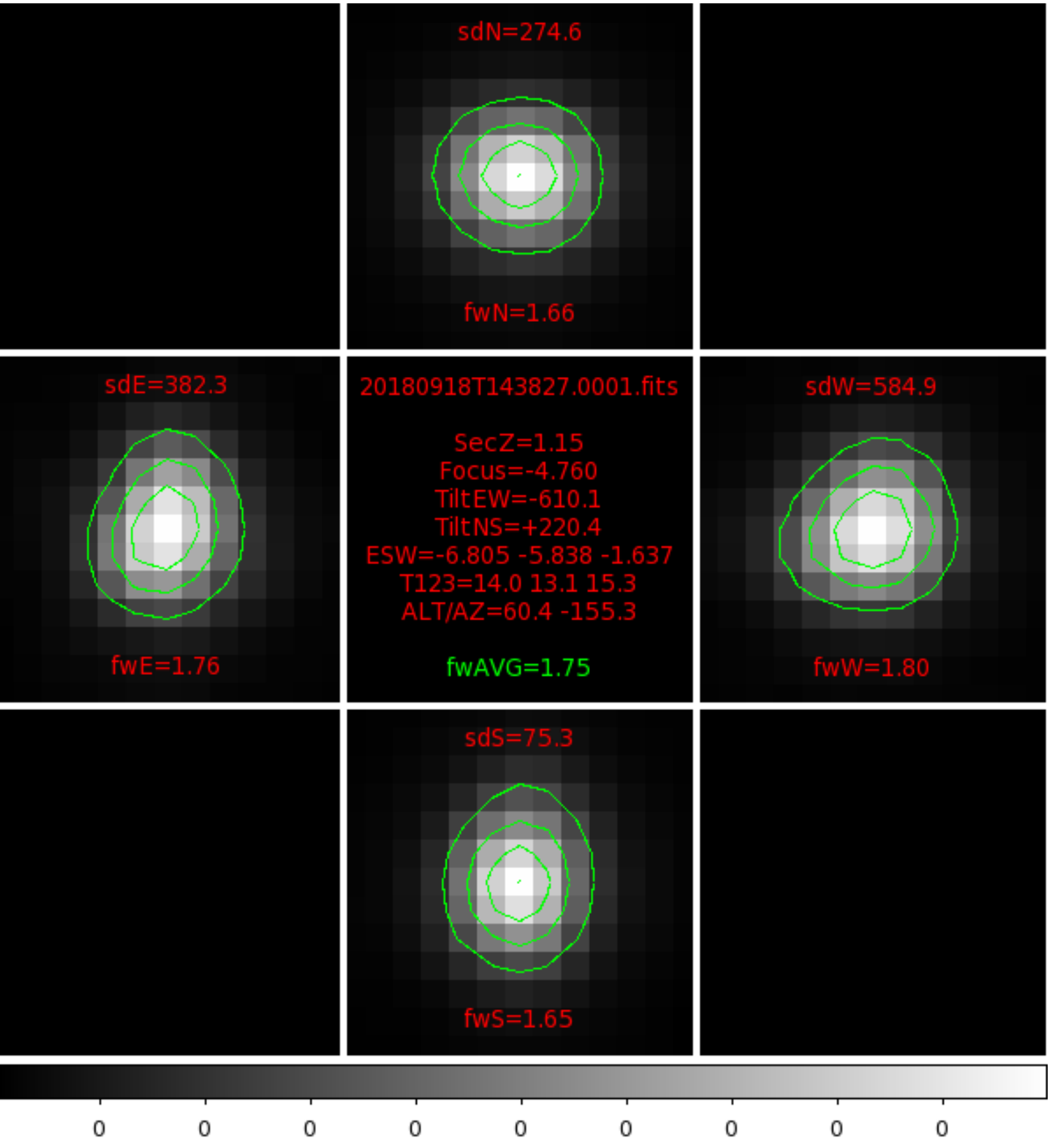
sdN=274.6
fwN=1.66
sdE=382.3
fwE=1.76
20180918T143827.0001.fits
SecZ=1.15
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.1 15.3
ALT/AZ=60.4 -155.3
fwAVG=1.75
sdW=584.9
fwW=1.80
sdS=75.3
fwS=1.65
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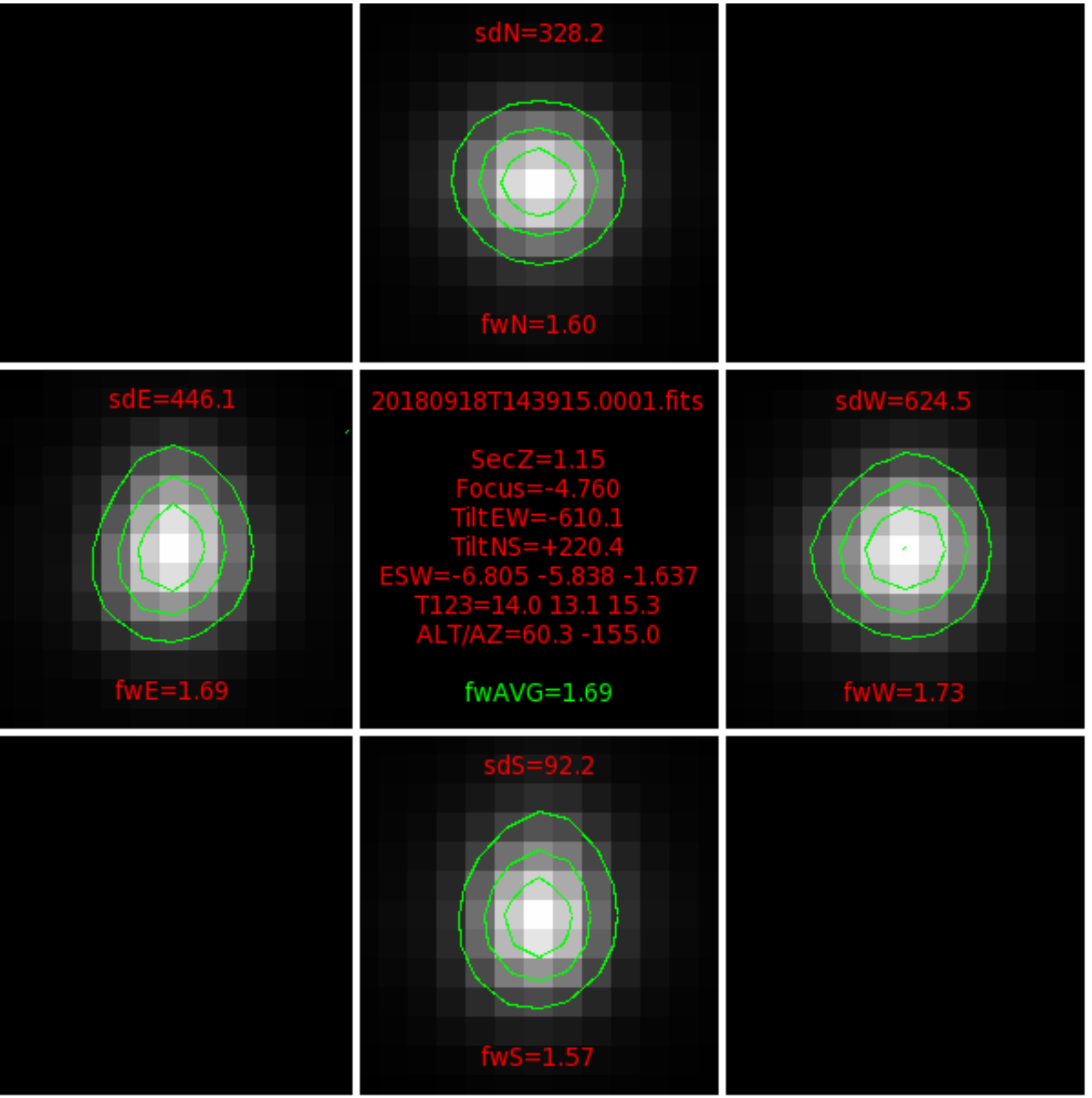
sdN=328.2
fwN=1.60
sdE=446.1
fwE=1.69
20180918T143915.0001.fits
SecZ=1.15
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.1 15.3
ALT/AZ=60.3 -155.0
fwAVG=1.69
sdW=624.5
fwW=1.73
sdS=92.2
fwS=1.57
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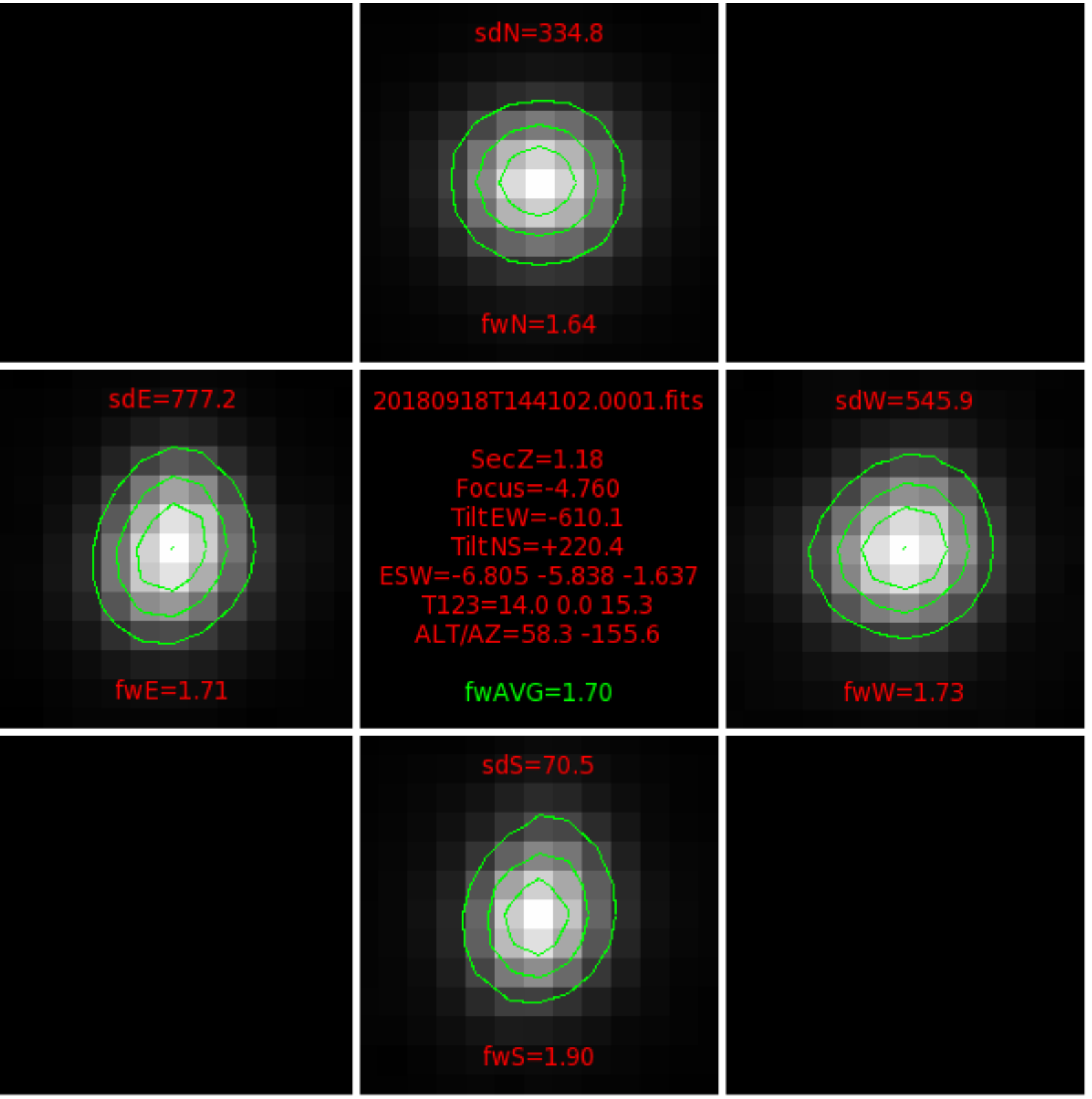
sdN=334.8
fwN=1.64
sdE=777.2
fwE=1.71
20180918T144102.0001.fits
SecZ=1.18
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 0.0 15.3
ALT/AZ=58.3 -155.6
fwAVG=1.70
sdW=545.9
fwW=1.73
sdS=70.5
fwS=1.90
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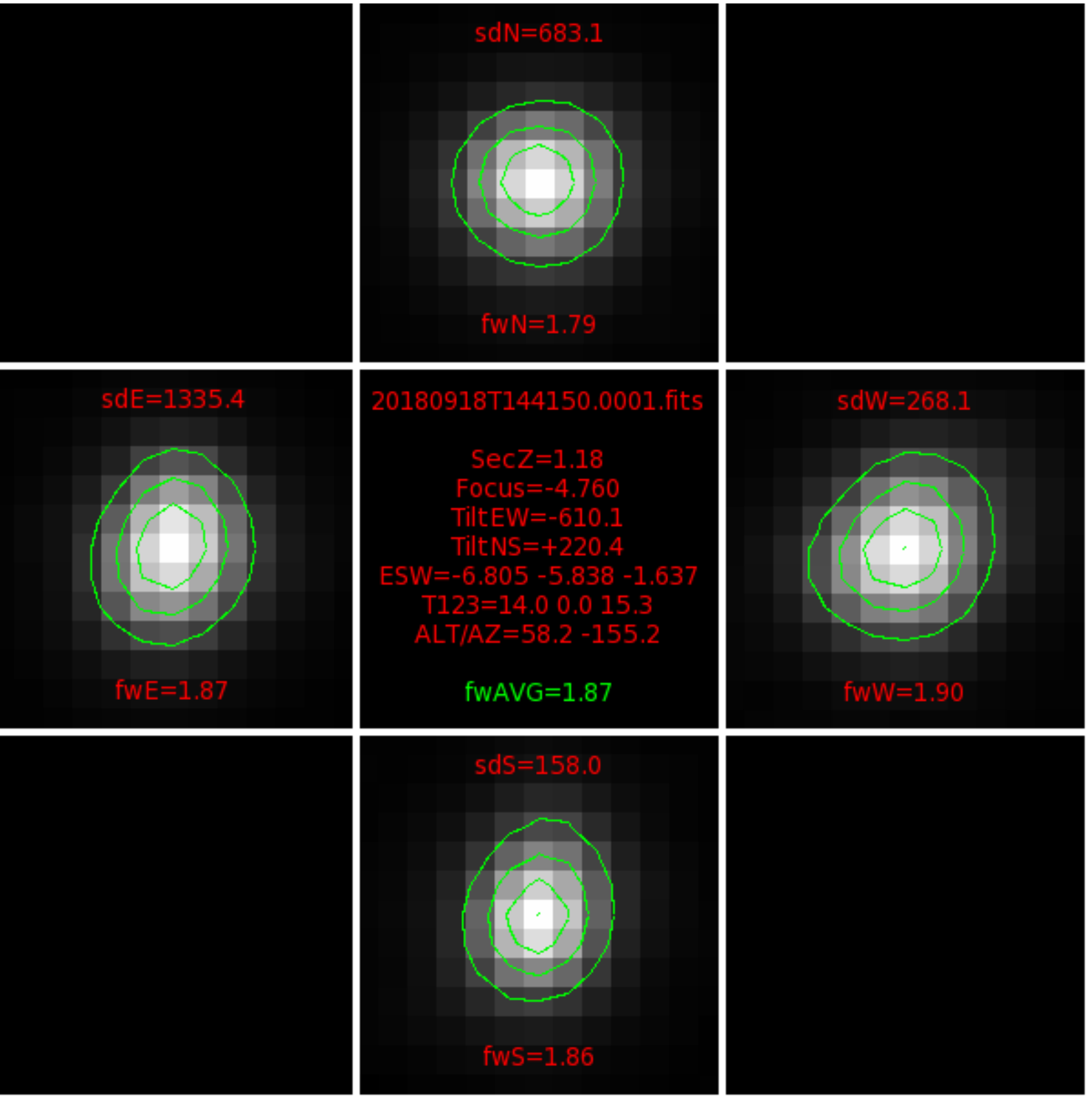
sdN=683.1
fwN=1.79
sdE=1335.4
fwE=1.87
20180918T144150.0001.fits
SecZ=1.18
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 0.0 15.3
ALT/AZ=58.2 -155.2
fwAVG=1.87
sdW=268.1
fwW=1.90
sdS=158.0
fwS=1.86
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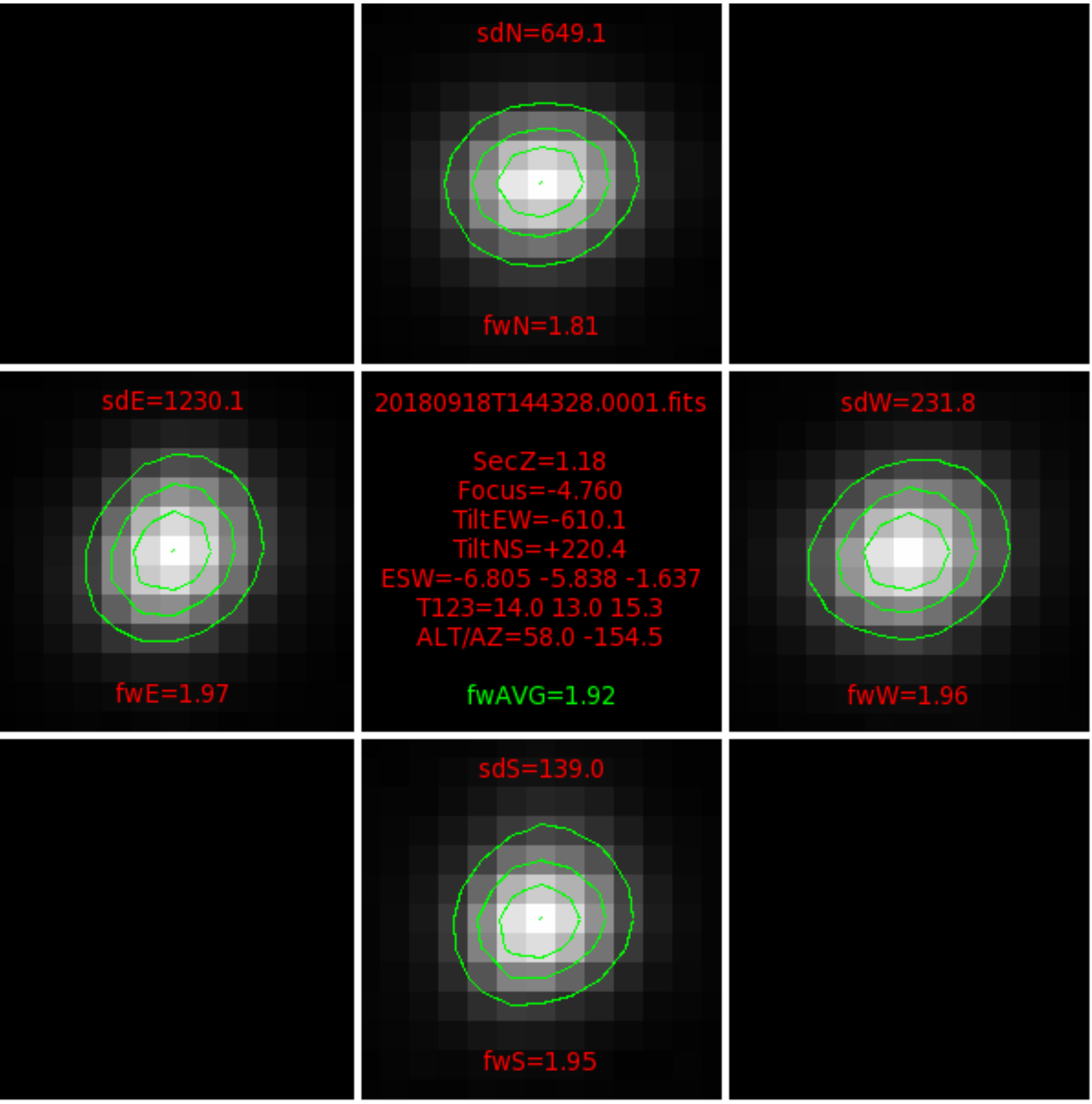
sdN=649.1
fwN=1.81
sdE=1230.1
fwE=1.97
20180918T144328.0001.fits
SecZ=1.18
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.0 15.3
ALT/AZ=58.0 -154.5
fwAVG=1.92
sdW=231.8
fwW=1.96
sdS=139.0
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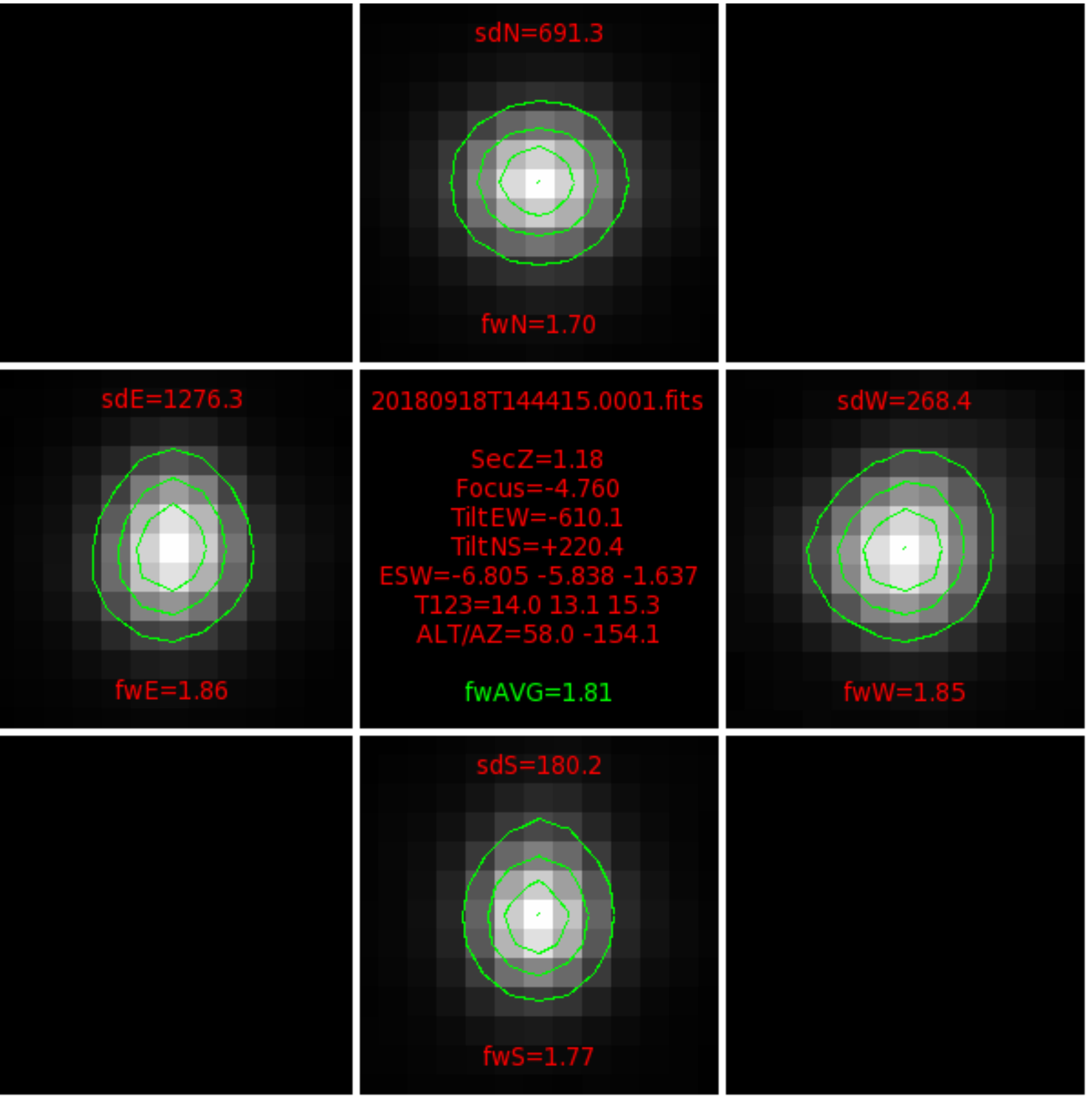
sdN=691.3
fwN=1.70
sdE=1276.3
fwE=1.86
20180918T144415.0001.fits
SecZ=1.18
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.1 15.3
ALT/AZ=58.0 -154.1
fwAVG=1.81
sdW=268.4
fwW=1.85
sdS=180.2
fwS=1.77
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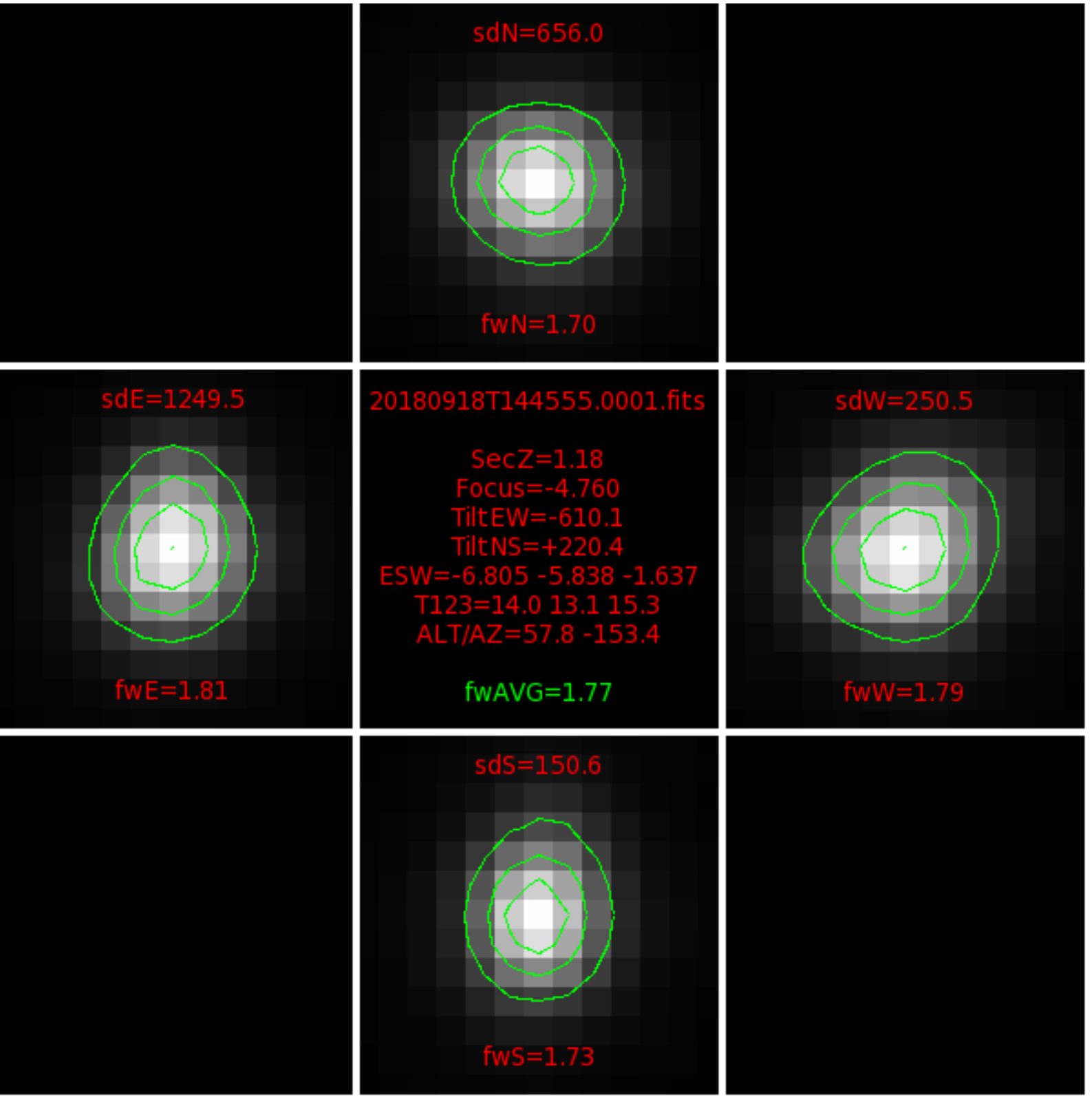
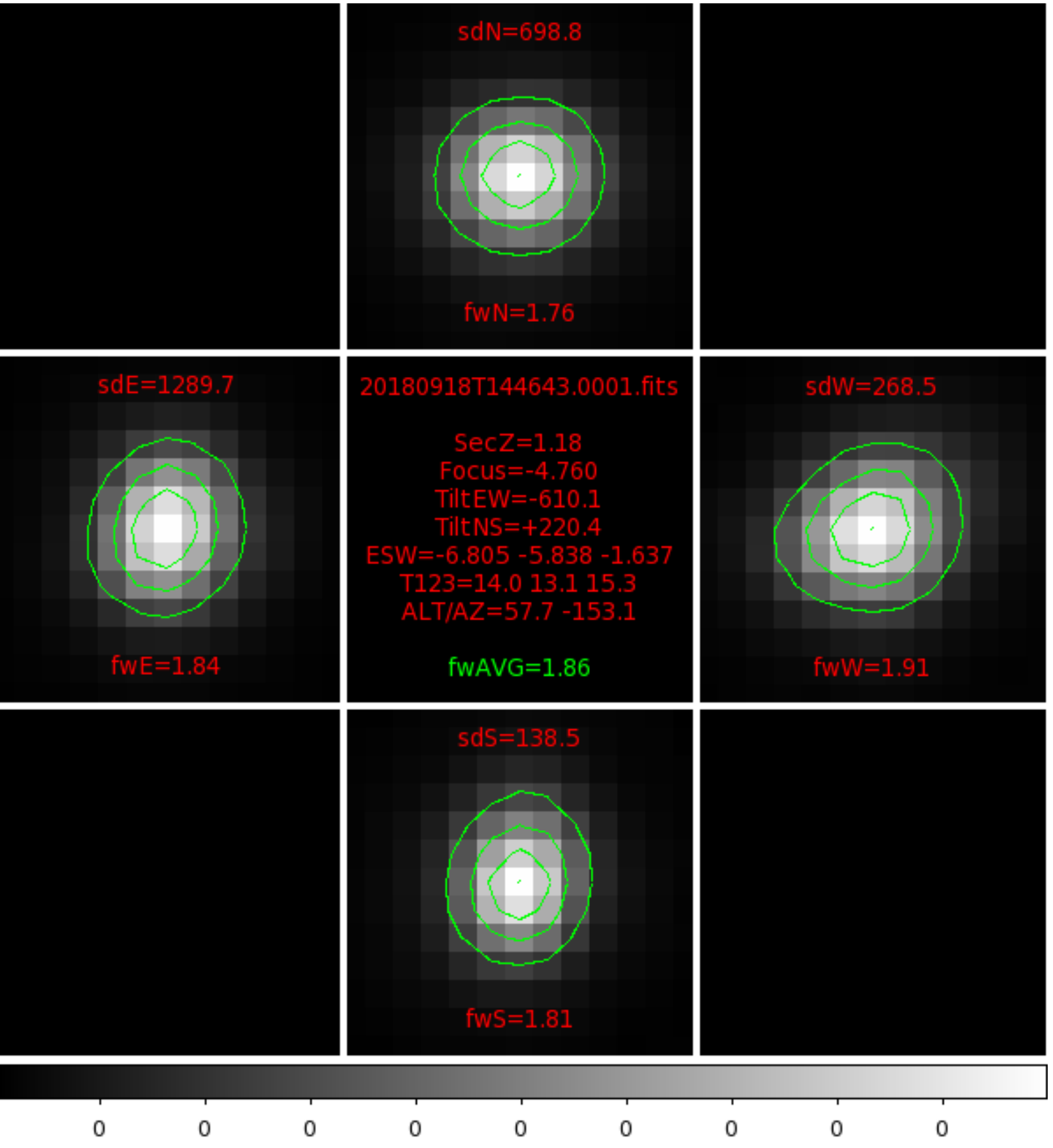

sdN=656.0
fwN=1.70
sdE=1249.5
fwE=1.81
20180918T144555.0001.fits
SecZ=1.18
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.1 15.3
ALT/AZ=57.8 -153.4
fwAVG=1.77
sdW=250.5
fwW=1.79
sdS=150.6
fwS=1.73
0 0 0 0 0 0 0 0 0


sdN=698.8
fwN=1.76
sdE=1289.7
fwE=1.84
20180918T144643.0001.fits
SecZ=1.18
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.1 15.3
ALT/AZ=57.7 -153.1
fwAVG=1.86
sdW=268.5
fwW=1.91
sdS=138.5
fwS=1.81
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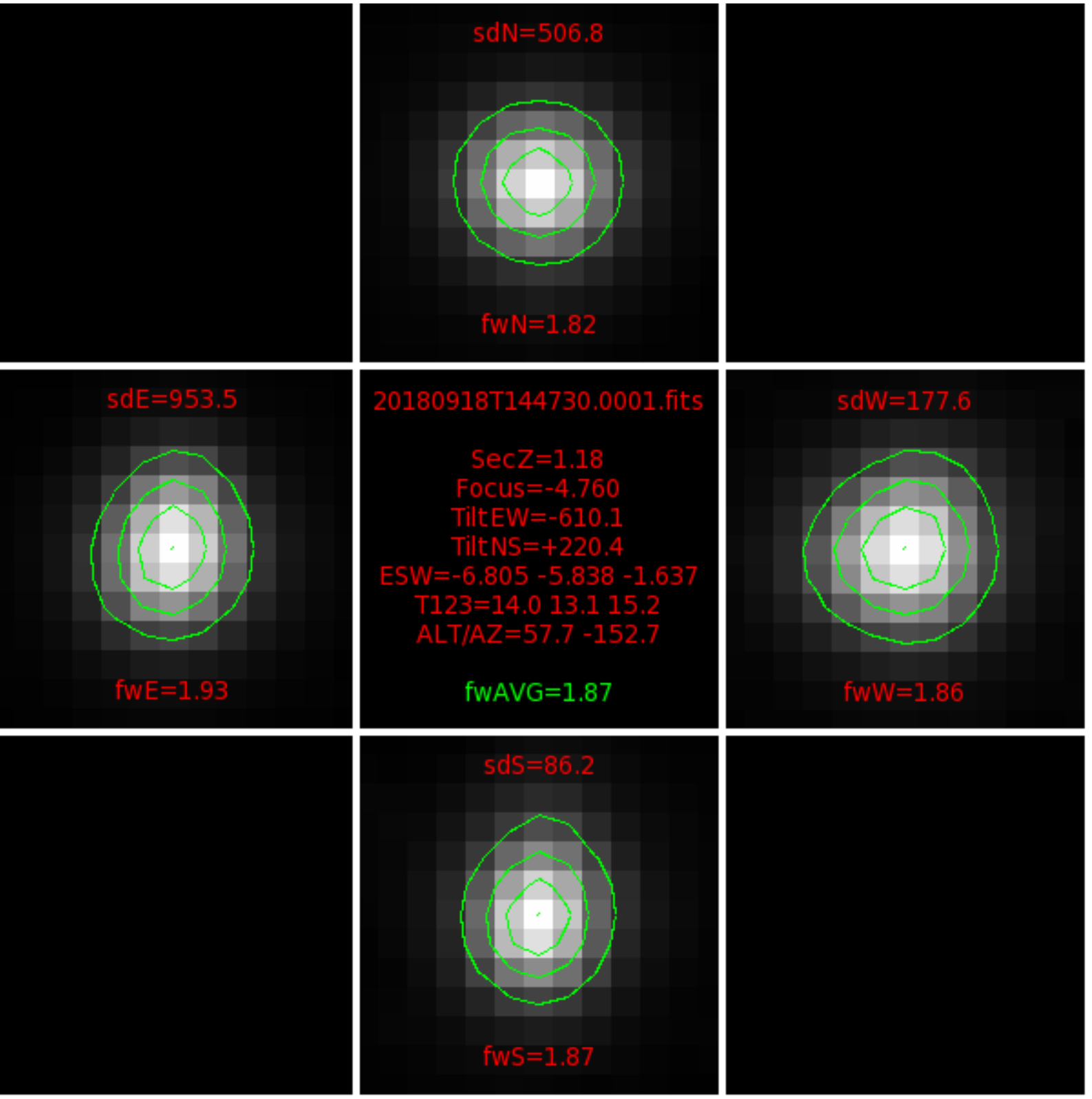
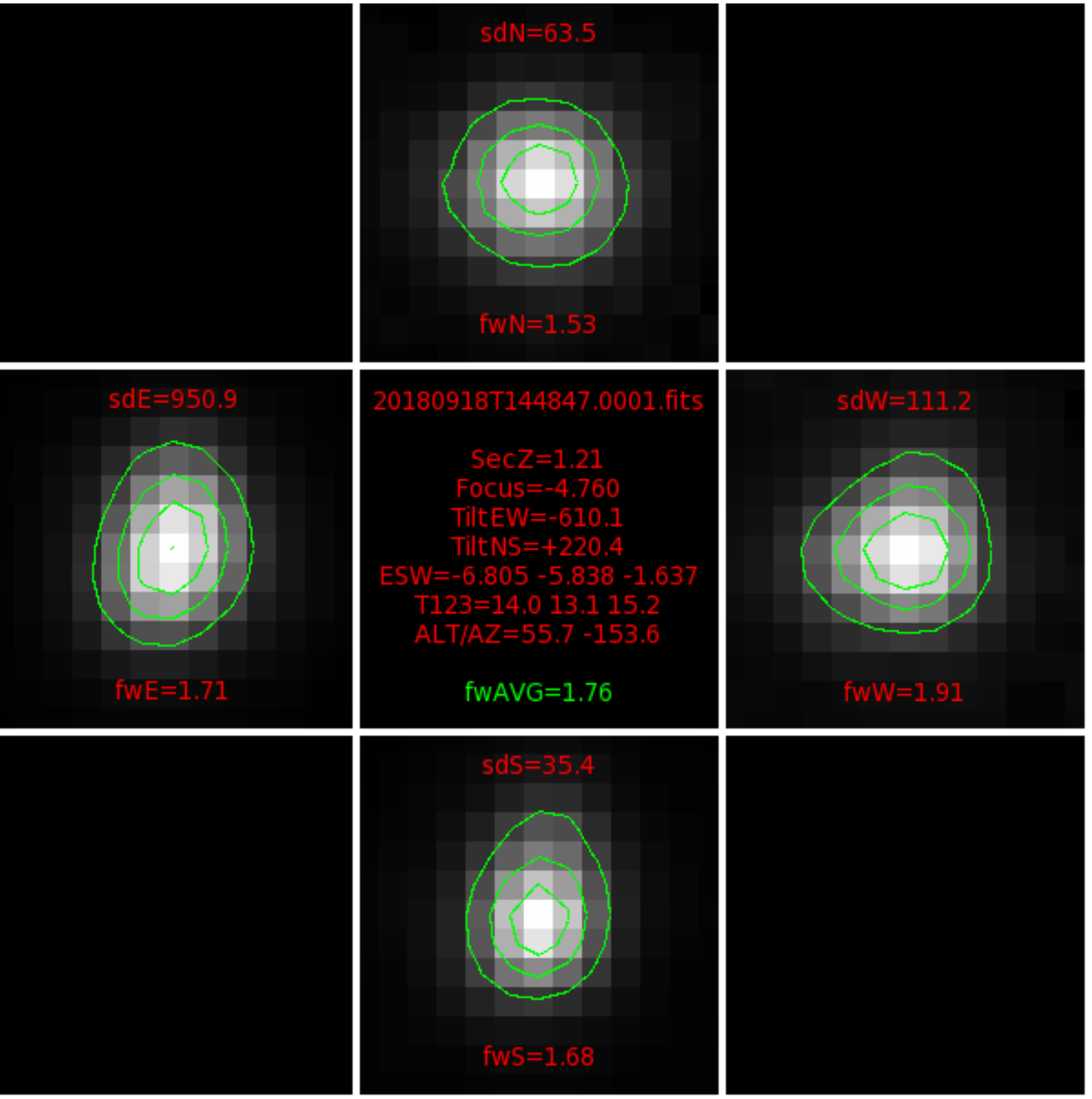

sdN=506.8
fwN=1.82
sdE=953.5
fwE=1.93
20180918T144730.0001.fits
SecZ=1.18
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.1 15.2
ALT/AZ=57.7 -152.7
fwAVG=1.87
sdW=177.6
fwW=1.86
sdS=86.2
fwS=1.87
0 0 0 0 0 0 0 0 0


sdN=63.5
fwN=1.53
sdE=950.9
fwE=1.71
20180918T144847.0001.fits
SecZ=1.21
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.0 13.1 15.2
ALT/AZ=55.7 -153.6
fwAVG=1.76
sdW=111.2
fwW=1.91
sdS=35.4
fwS=1.68
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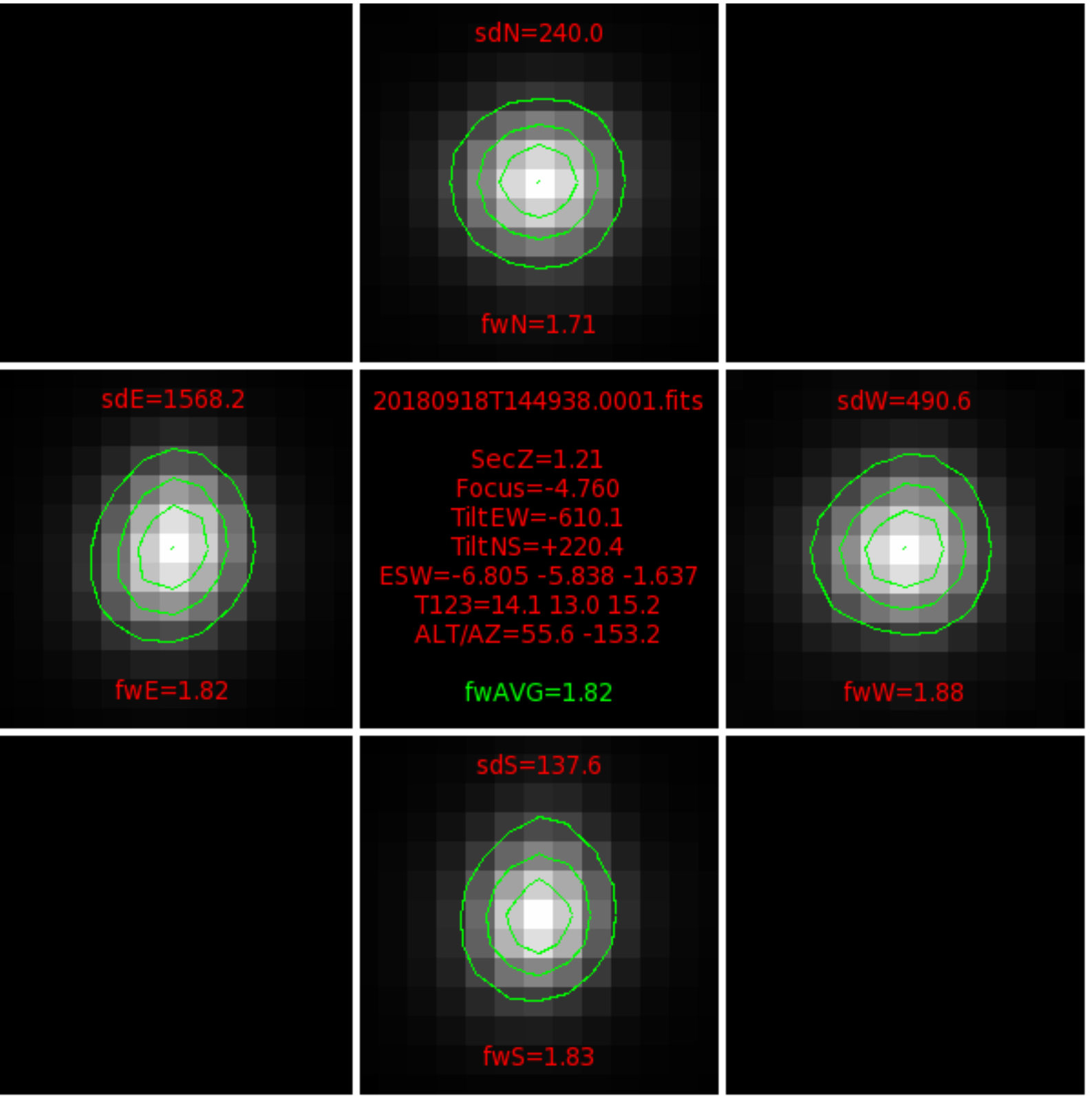
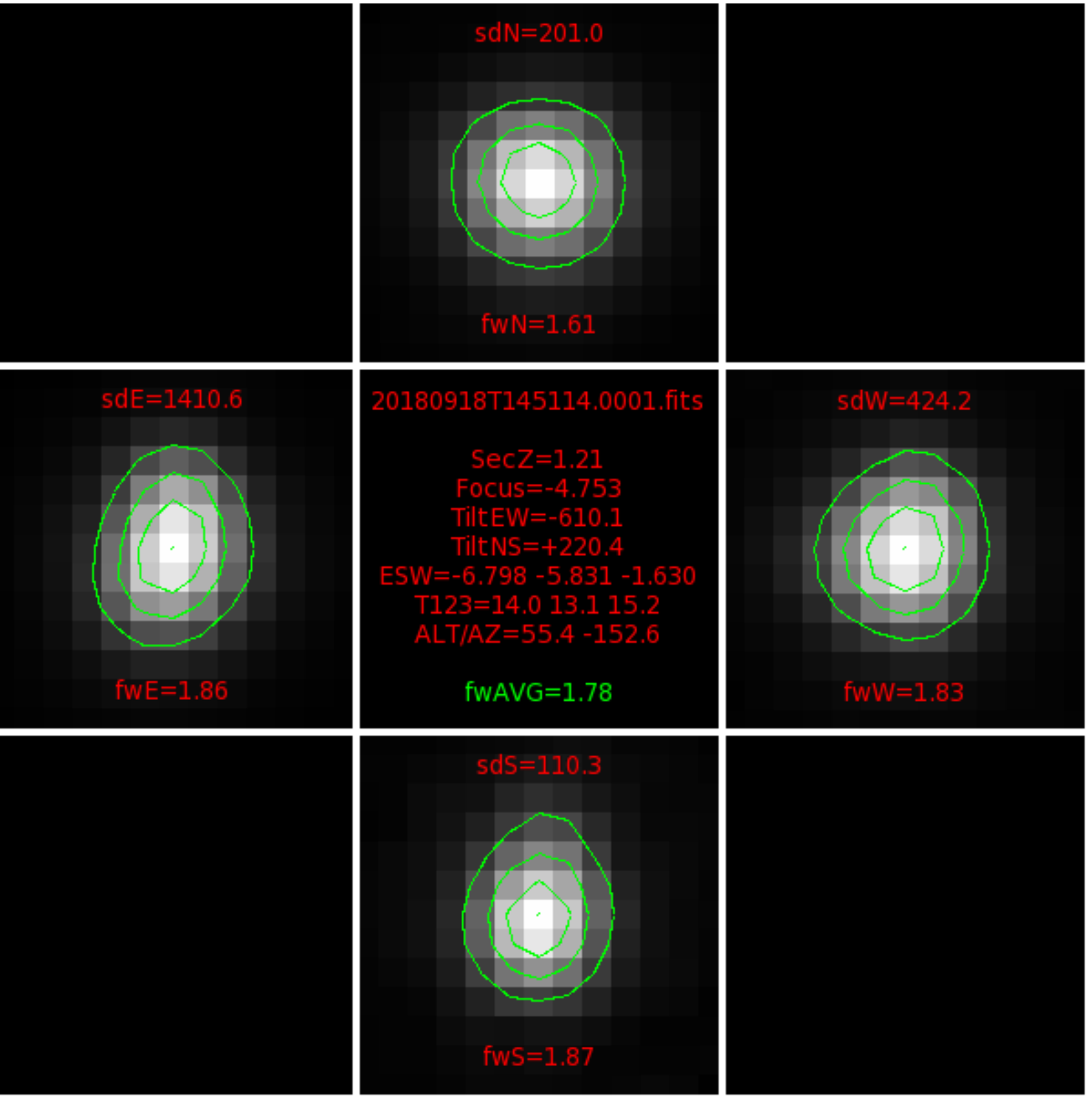

sdN=240.0
fwN=1.71
sdE=1568.2
fwE=1.82
20180918T144938.0001.fits
SecZ=1.21
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=14.1 13.0 15.2
ALT/AZ=55.6 -153.2
fwAVG=1.82
sdW=490.6
fwW=1.88
sdS=137.6
fwS=1.83
0 0 0 0 0 0 0 0 0


sdN=201.0
fwN=1.61
sdE=1410.6
fwE=1.86
20180918T145114.0001.fits
SecZ=1.21
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=14.0 13.1 15.2
ALT/AZ=55.4 -152.6
fwAVG=1.78
sdW=424.2
fwW=1.83
sdS=110.3
fwS=1.87
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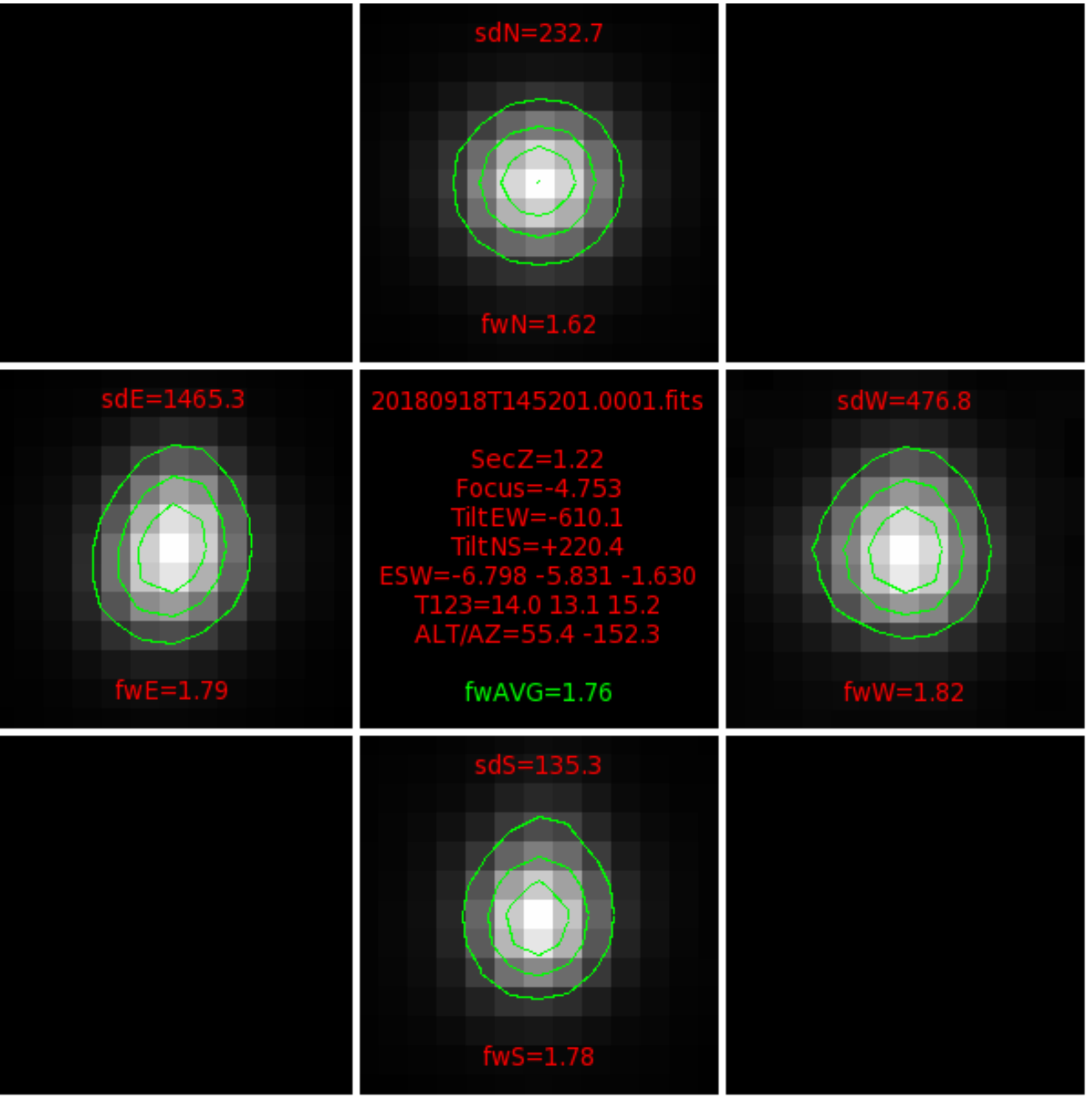
sdN=232.7
fwN=1.62
sdE=1465.3
fwE=1.79
20180918T145201.0001.fits
SecZ=1.22
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=14.0 13.1 15.2
ALT/AZ=55.4 -152.3
fwAVG=1.76
sdW=476.8
fwW=1.82
sdS=135.3
fwS=1.78
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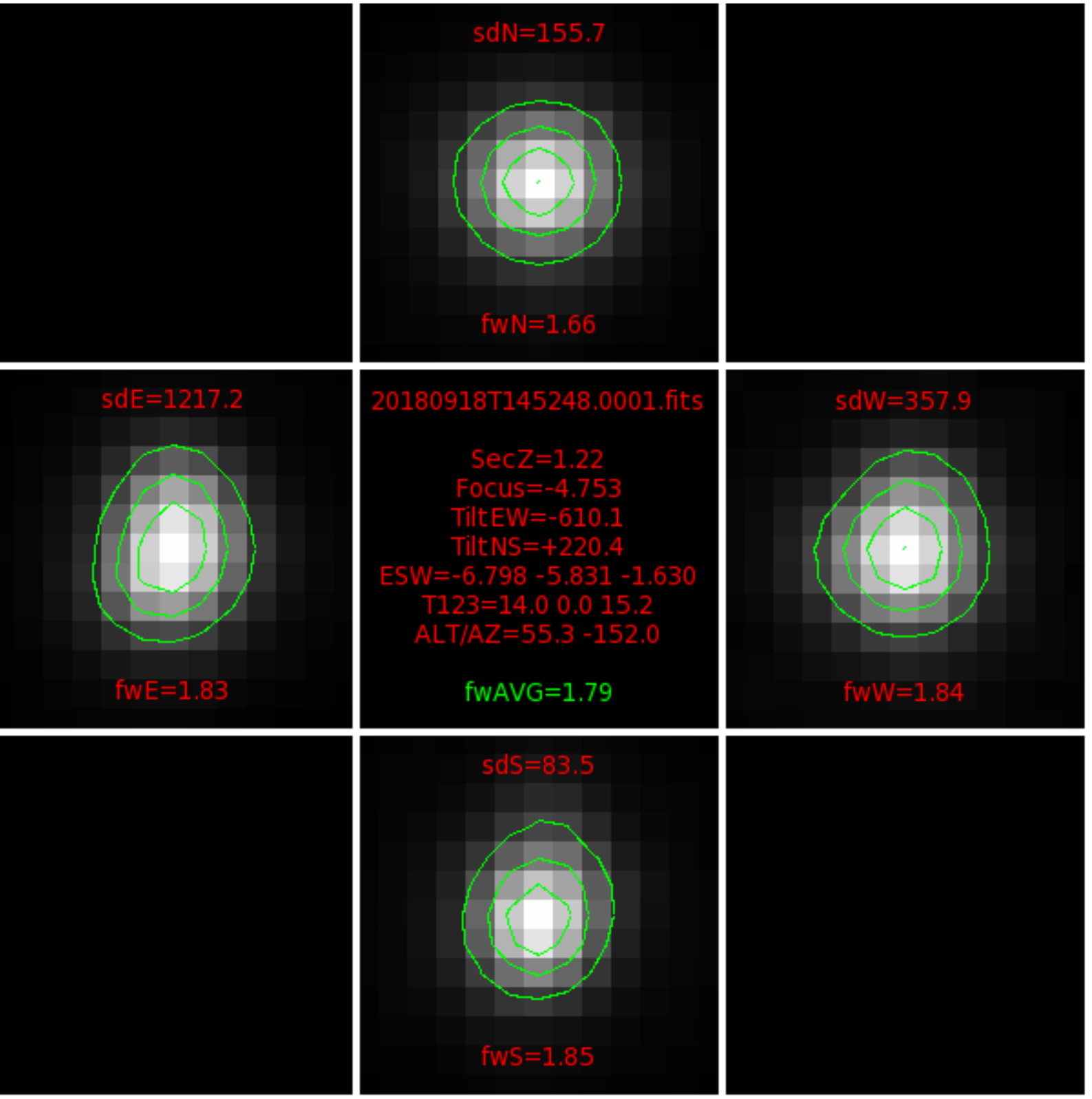
sdN=155.7
fwN=1.66
sdE=1217.2
fwE=1.83
20180918T145248.0001.fits
SecZ=1.22
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=14.0 0.0 15.2
ALT/AZ=55.3 -152.0
fwAVG=1.79
sdW=357.9
fwW=1.84
sdS=83.5
fwS=1.85
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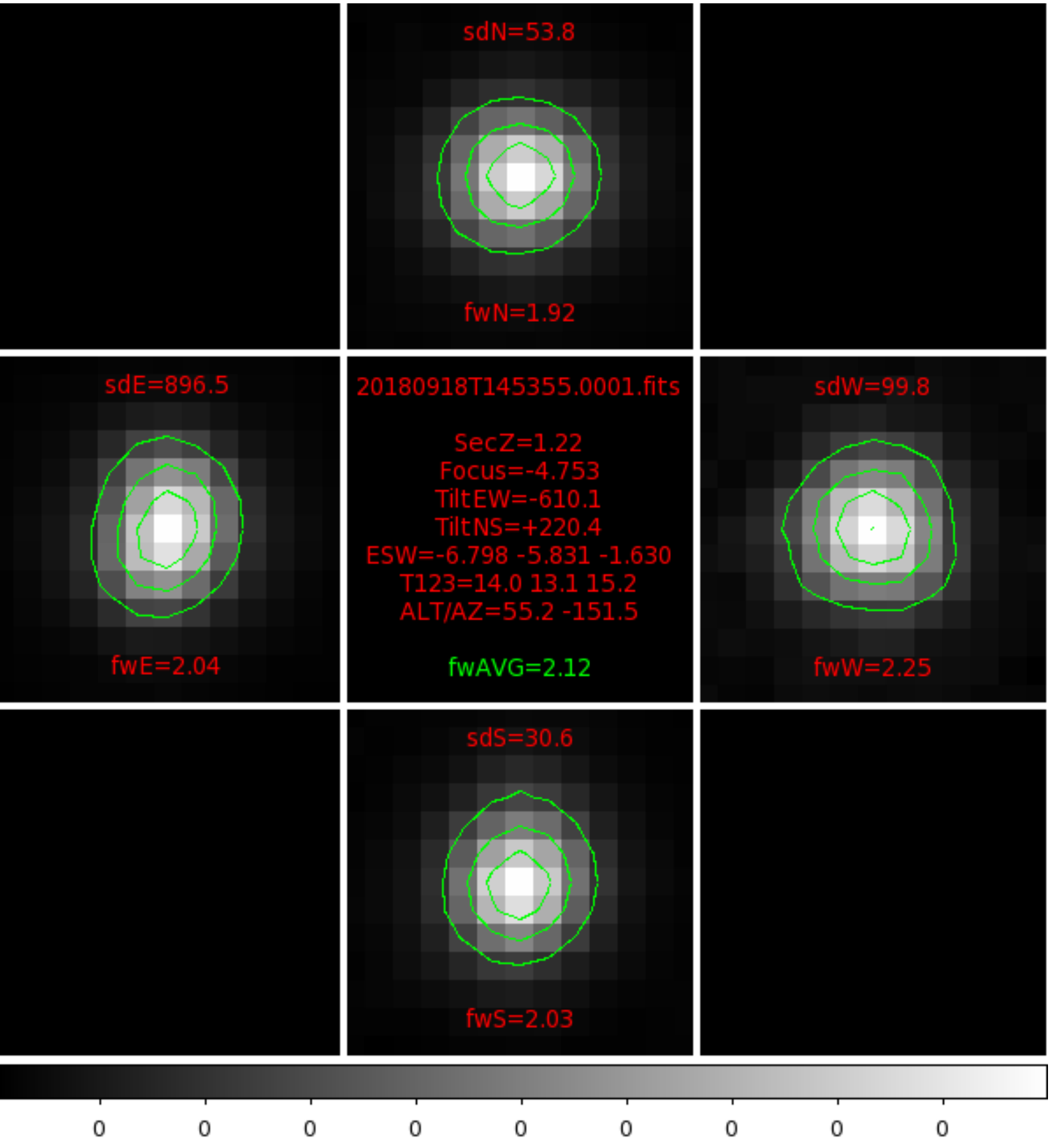
sdN=53.8
fwN=1.92
sdE=896.5
fwE=2.04
20180918T145355.0001.fits
SecZ=1.22
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=14.0 13.1 15.2
ALT/AZ=55.2 -151.5
fwAVG=2.12
sdW=99.8
fwW=2.25
sdS=30.6
fwS=2.03
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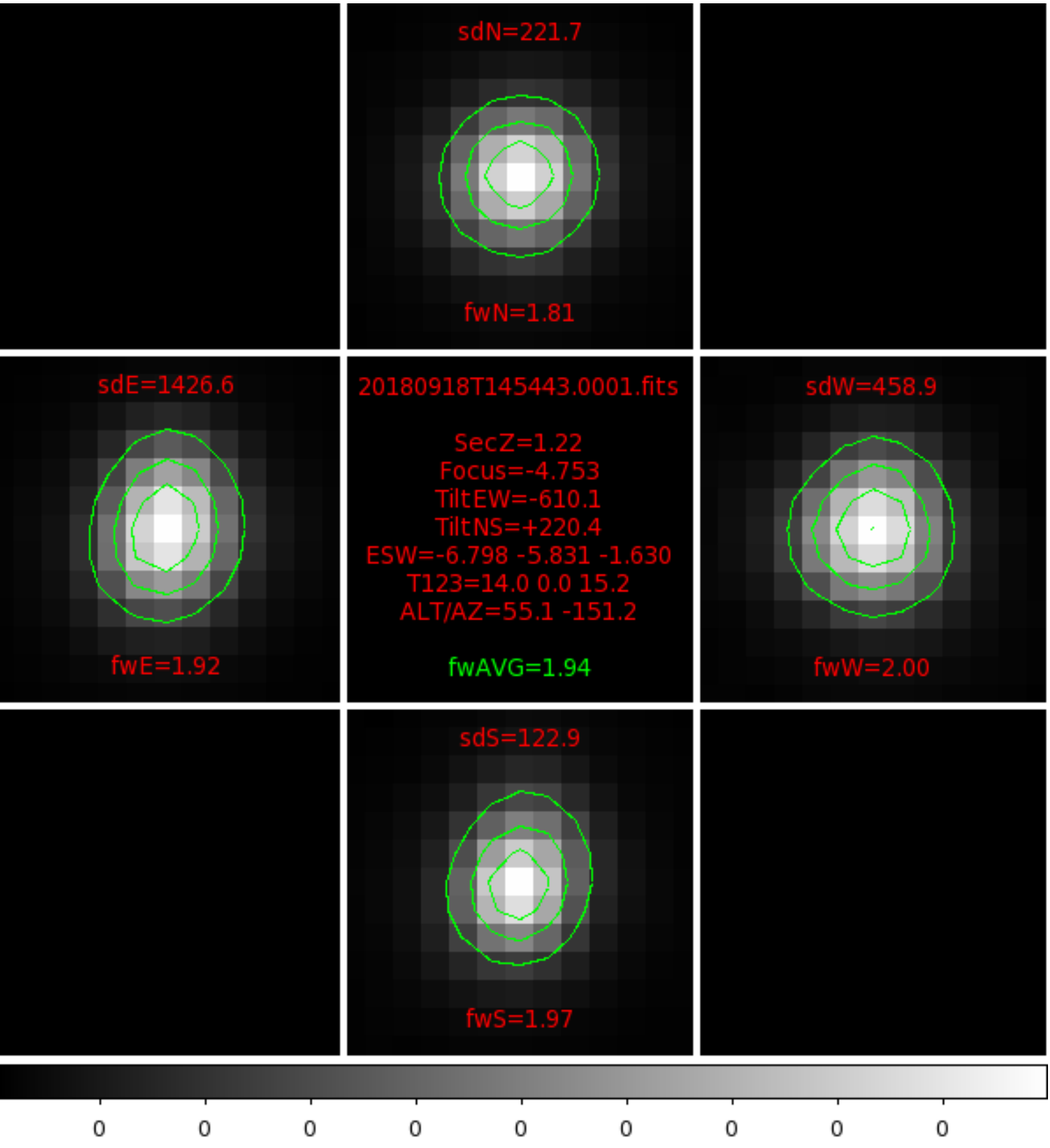
sdN=221.7
fwN=1.81
sdE=1426.6
fwE=1.92
20180918T145443.0001.fits
SecZ=1.22
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=14.0 0.0 15.2
ALT/AZ=55.1 -151.2
fwAVG=1.94
sdW=458.9
fwW=2.00
sdS=122.9
fwS=1.97
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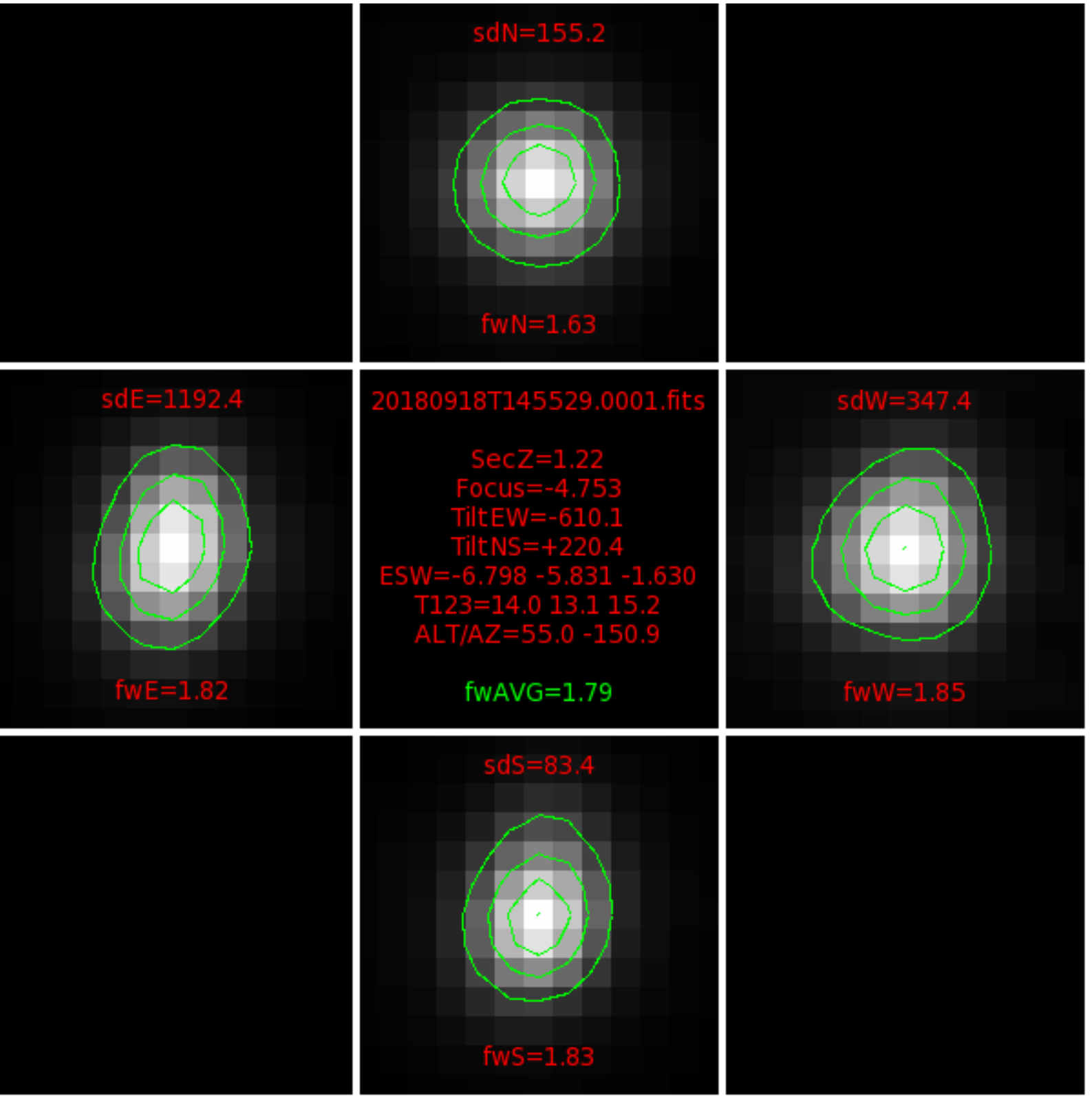
sdN=155.2
fwN=1.63
sdE=1192.4
fwE=1.82
20180918T145529.0001.fits
SecZ=1.22
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=14.0 13.1 15.2
ALT/AZ=55.0 -150.9
fwAVG=1.79
sdW=347.4
fwW=1.85
sdS=83.4
fwS=1.83
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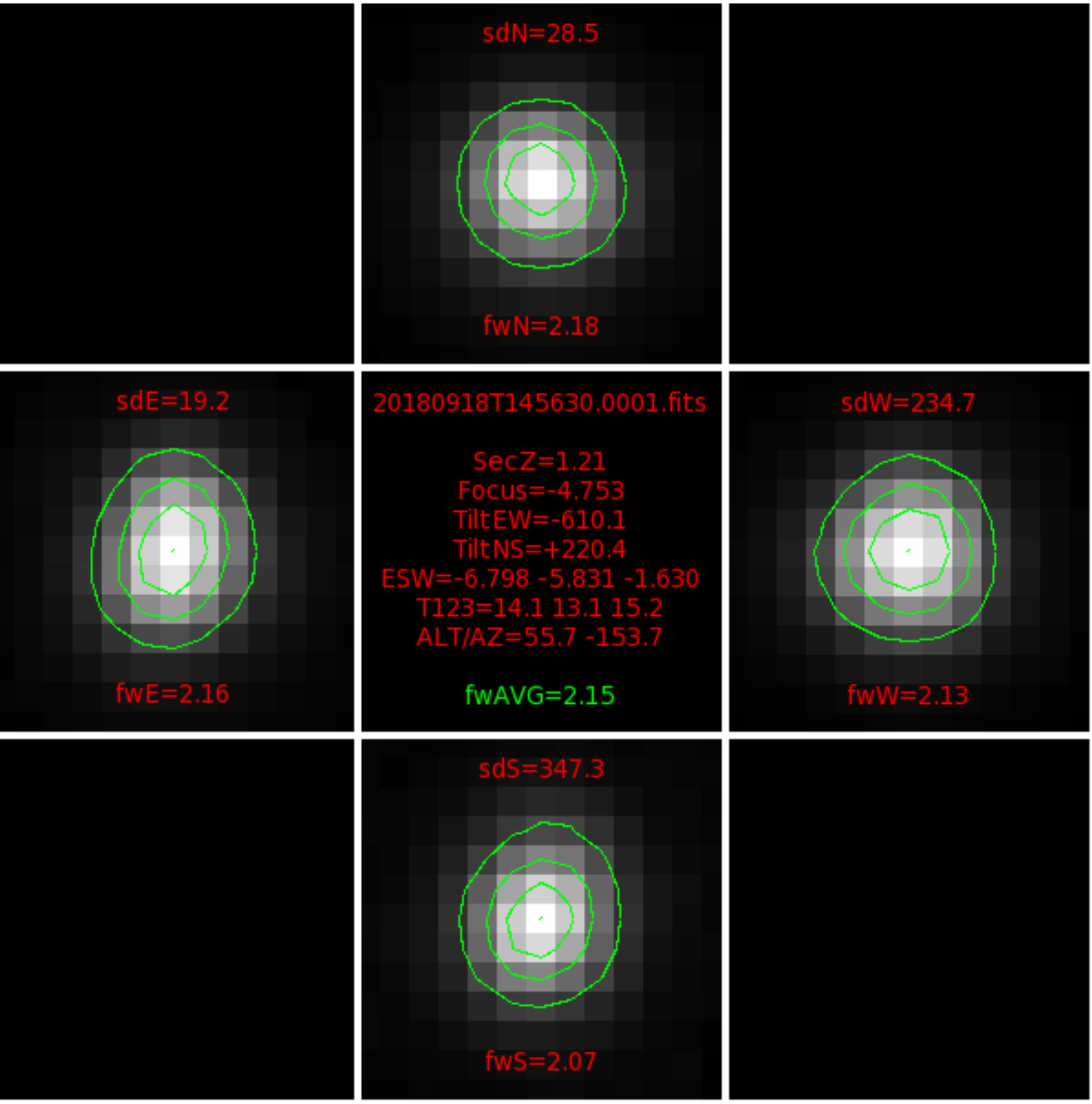
sdN=28.5
fwN=2.18
sdE=19.2
fwE=2.16
20180918T145630.0001.fits
SecZ=1.21
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=14.1 13.1 15.2
ALT/AZ=55.7 -153.7
fwAVG=2.15
sdW=234.7
fwW=2.13
sdS=347.3
fwS=2.07
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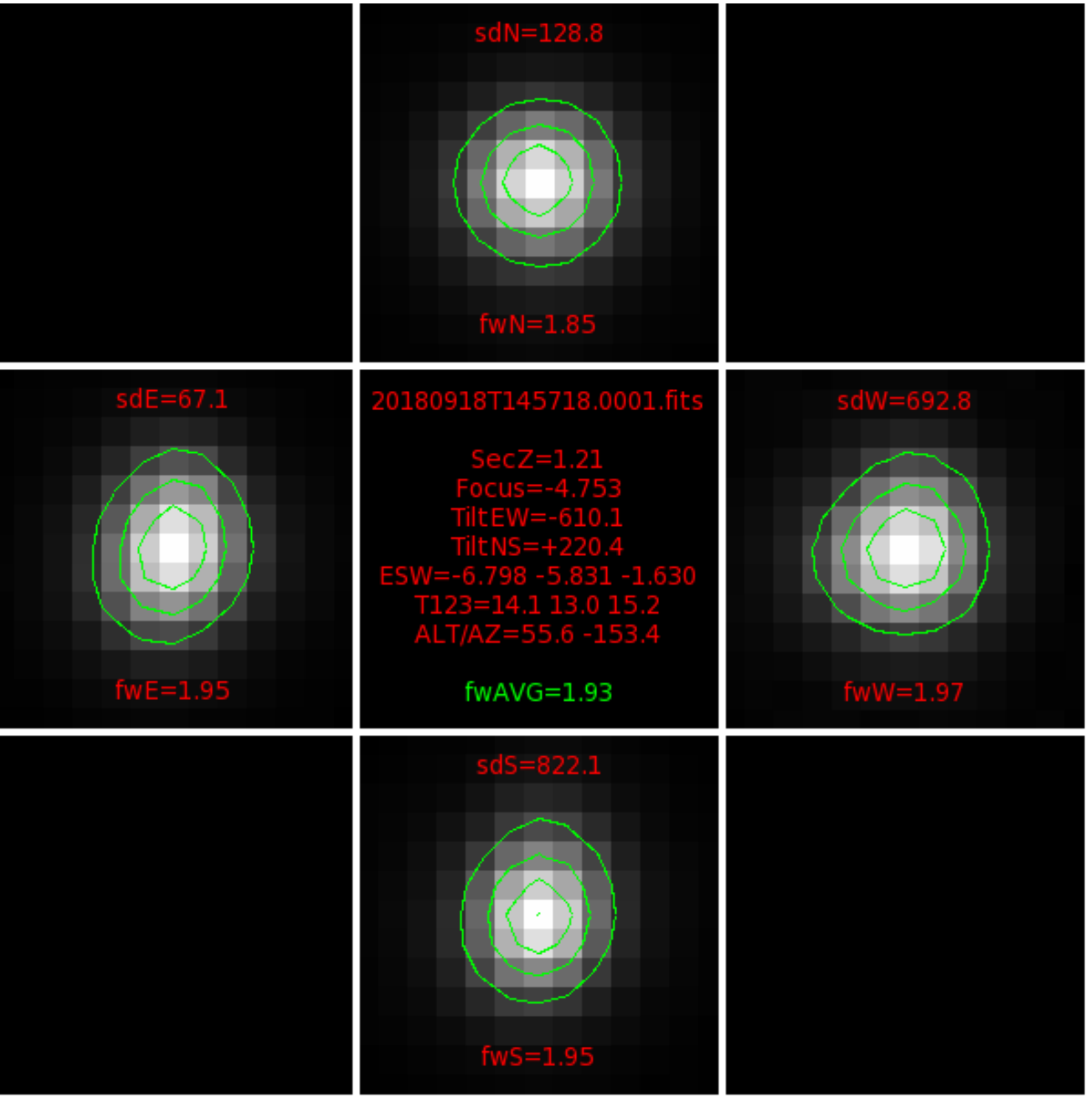
sdN=128.8
fwN=1.85
sdE=67.1
fwE=1.95
20180918T145718.0001.fits
SecZ=1.21
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=14.1 13.0 15.2
ALT/AZ=55.6 -153.4
fwAVG=1.93
sdW=692.8
fwW=1.97
sdS=822.1
fwS=1.95
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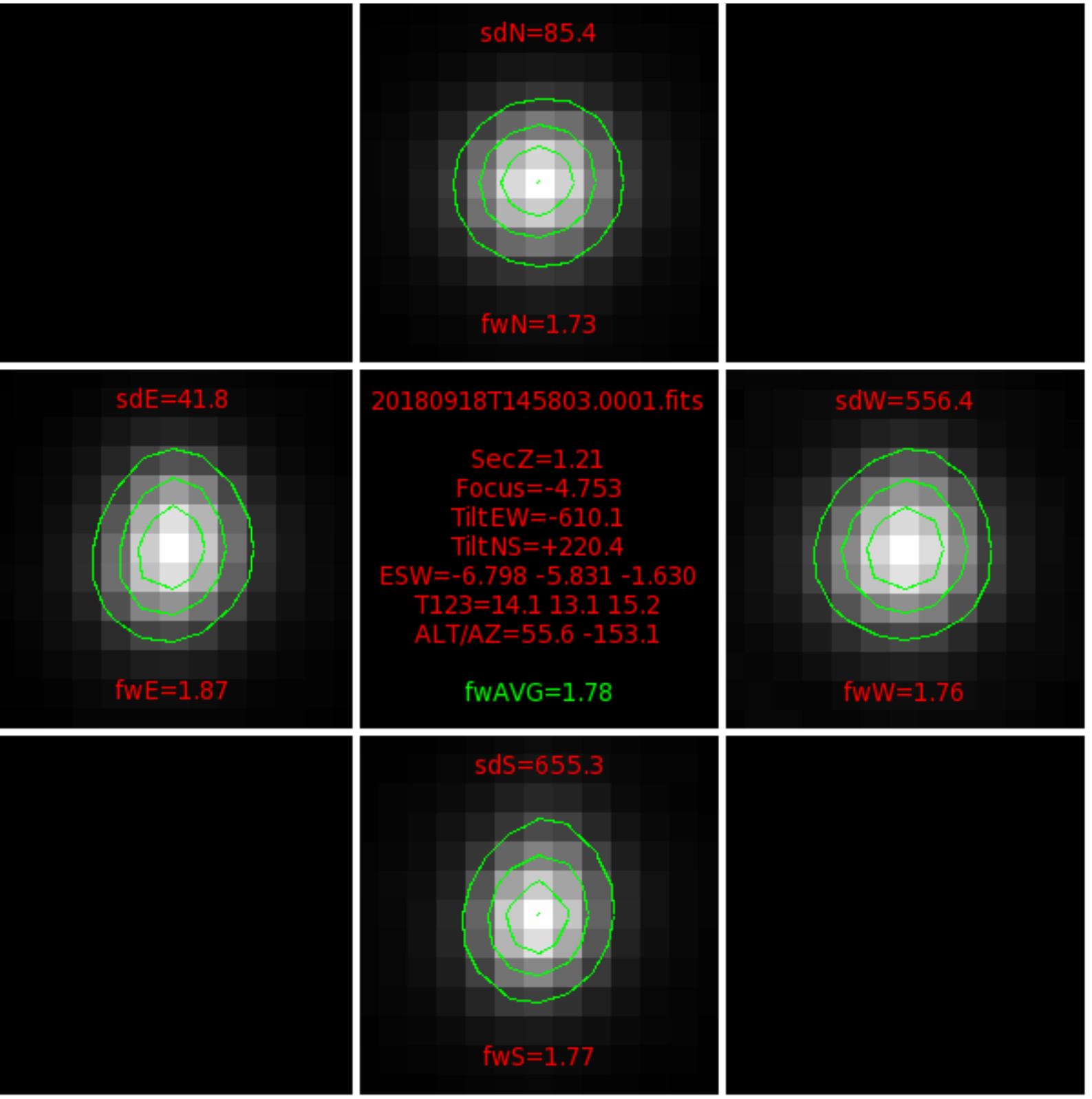
sdN=85.4
fwN=1.73
sdE=41.8
fwE=1.87
20180918T145803.0001.fits
SecZ=1.21
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=14.1 13.1 15.2
ALT/AZ=55.6 -153.1
fwAVG=1.78
sdW=556.4
fwW=1.76
sdS=655.3
fwS=1.77
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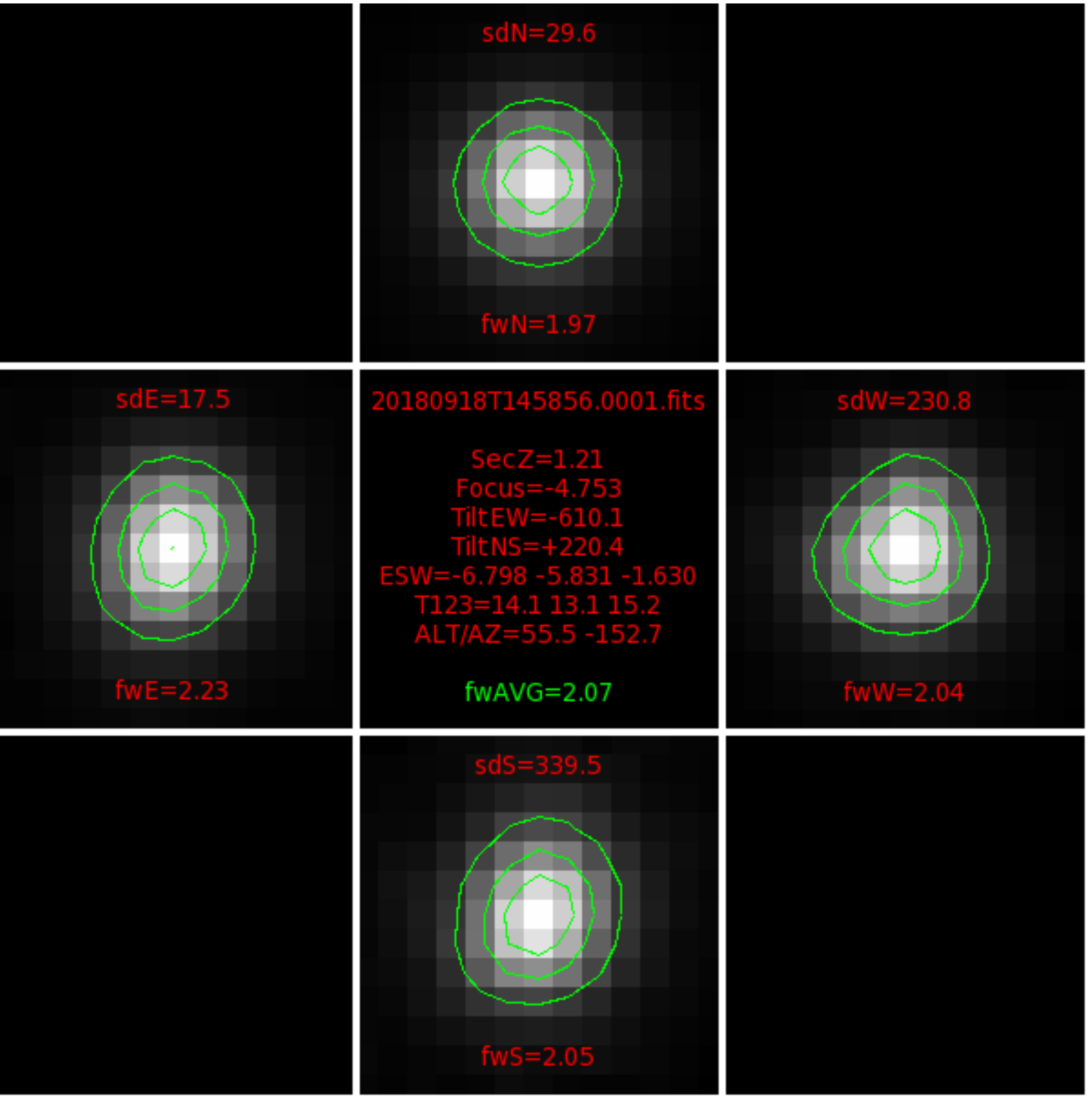
sdN=29.6
fwN=1.97
sdE=17.5
fwE=2.23
20180918T145856.0001.fits
SecZ=1.21
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=14.1 13.1 15.2
ALT/AZ=55.5 -152.7
fwAVG=2.07
sdW=230.8
fwW=2.04
sdS=339.5
fwS=2.05
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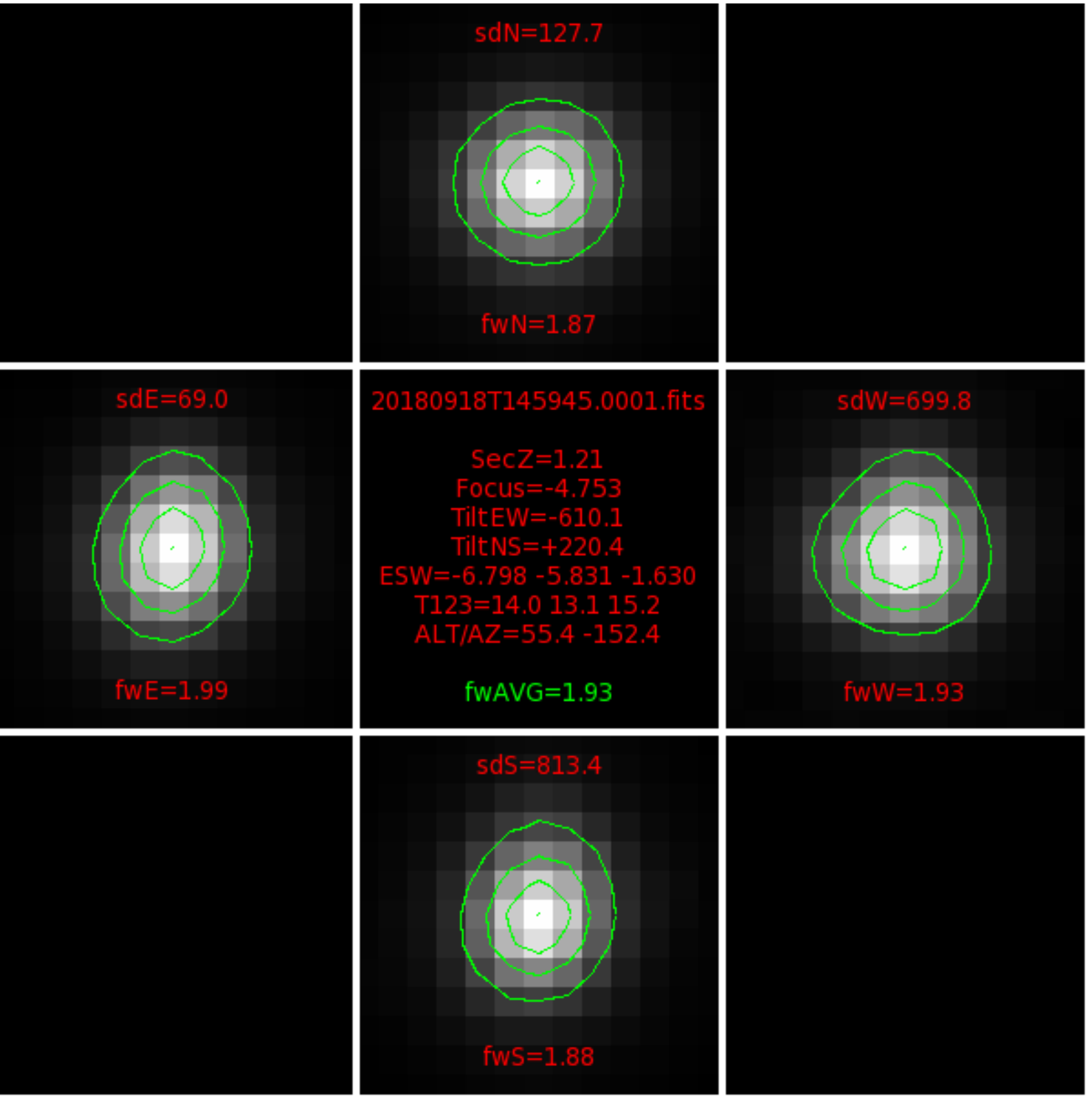
sdN=127.7
fwN=1.87
sdE=69.0
fwE=1.99
20180918T145945.0001.fits
SecZ=1.21
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=14.0 13.1 15.2
ALT/AZ=55.4 -152.4
fwAVG=1.93
sdW=699.8
fwW=1.93
sdS=813.4
fwS=1.88
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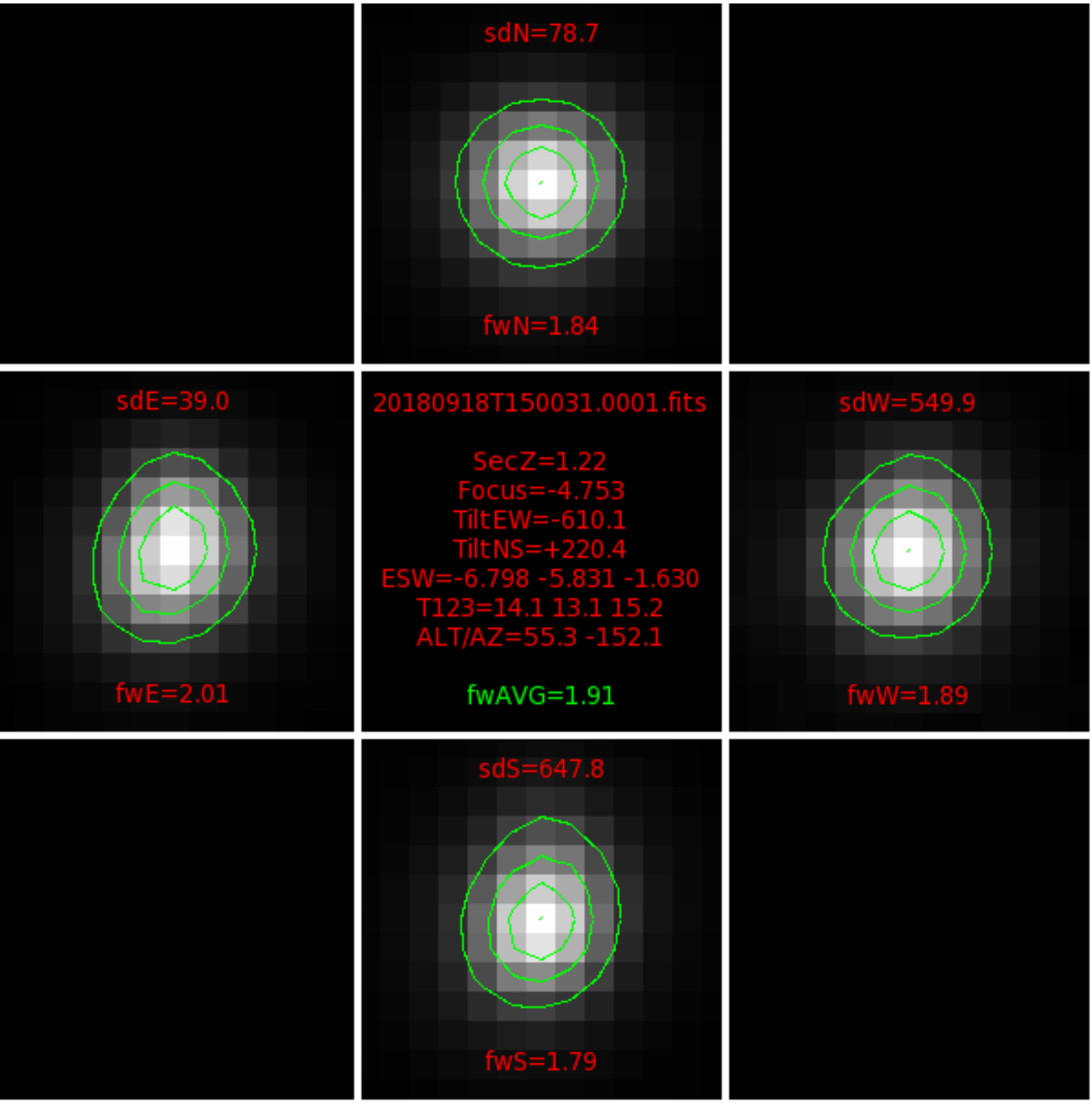
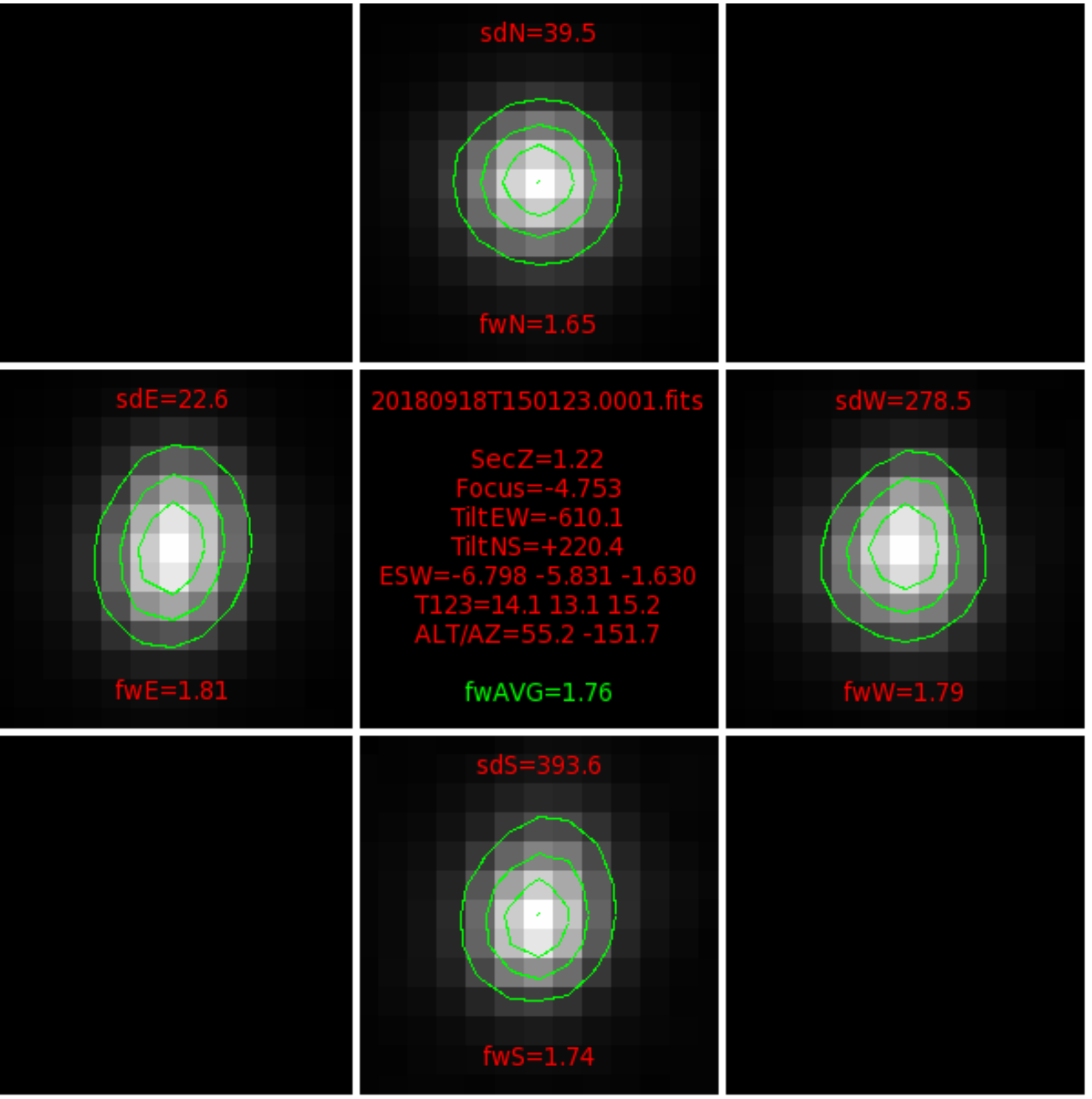

sdN=78.7
fwN=1.84
sdE=39.0
fwE=2.01
20180918T150031.0001.fits
SecZ=1.22
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=14.1 13.1 15.2
ALT/AZ=55.3 -152.1
fwAVG=1.91
sdW=549.9
fwW=1.89
sdS=647.8
fwS=1.79
0 0 0 0 0 0 0 0 0


sdN=39.5
fwN=1.65
sdE=22.6
fwE=1.81
20180918T150123.0001.fits
SecZ=1.22
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=14.1 13.1 15.2
ALT/AZ=55.2 -151.7
fwAVG=1.76
sdW=278.5
fwW=1.79
sdS=393.6
fwS=1.74
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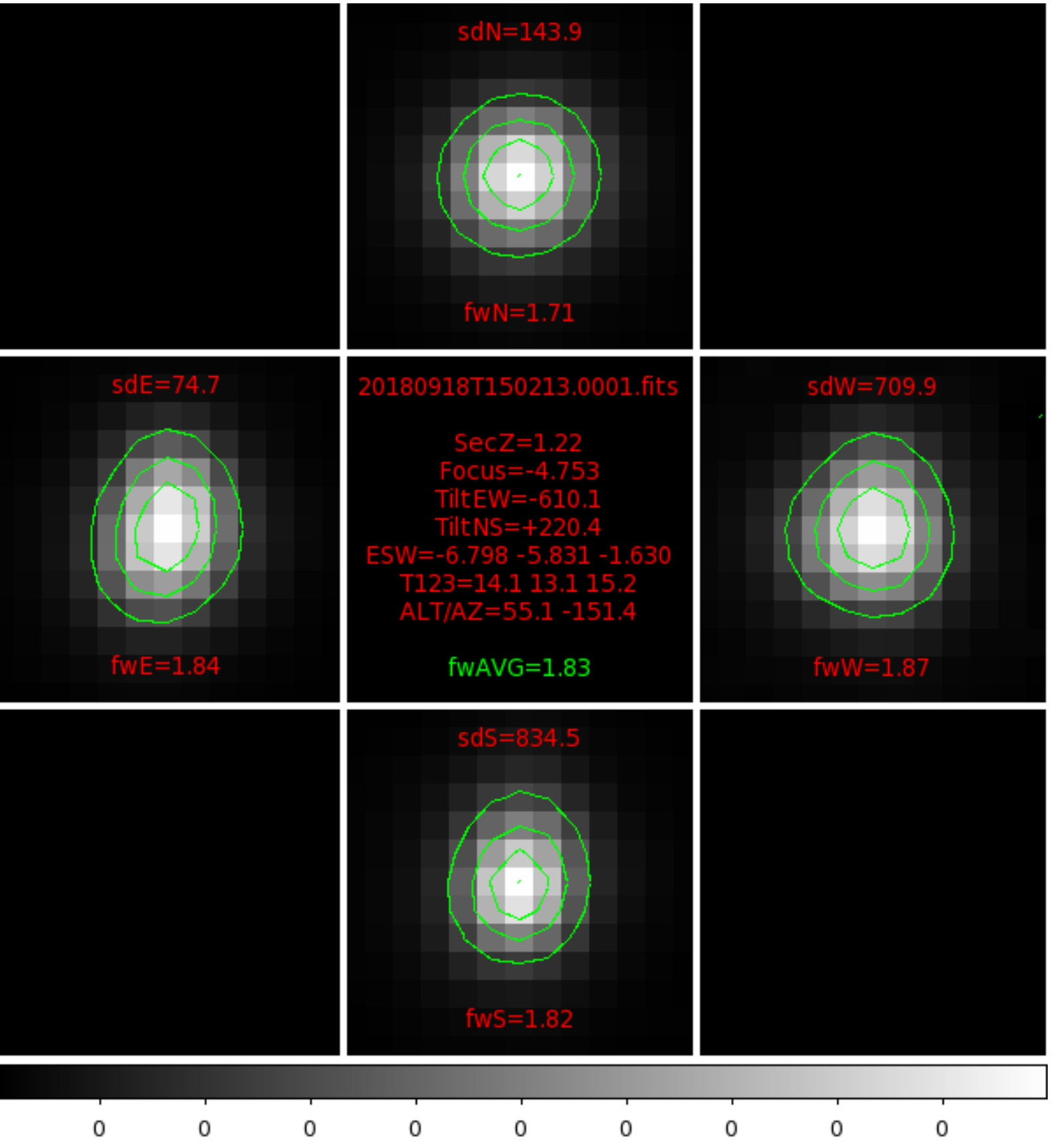
sdN=143.9
fwN=1.71
sdE=74.7
fwE=1.84
20180918T150213.0001.fits
SecZ=1.22
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=14.1 13.1 15.2
ALT/AZ=55.1 -151.4
fwAVG=1.83
sdW=709.9
fwW=1.87
sdS=834.5
fwS=1.82
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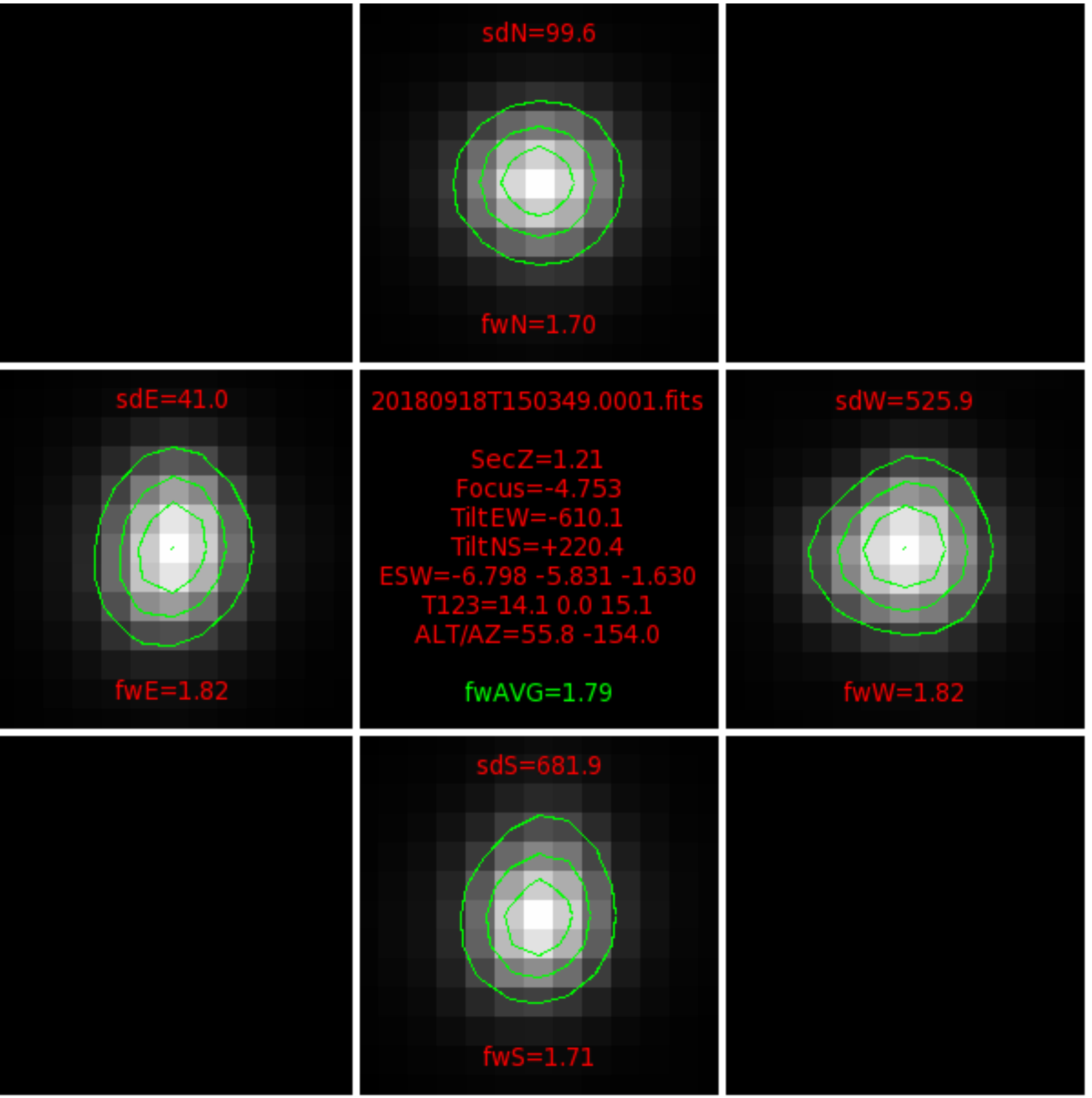
sdN=99.6
fwN=1.70
sdE=41.0
fwE=1.82
20180918T150349.0001.fits
SecZ=1.21
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=14.1 0.0 15.1
ALT/AZ=55.8 -154.0
fwAVG=1.79
sdW=525.9
fwW=1.82
sdS=681.9
fwS=1.71
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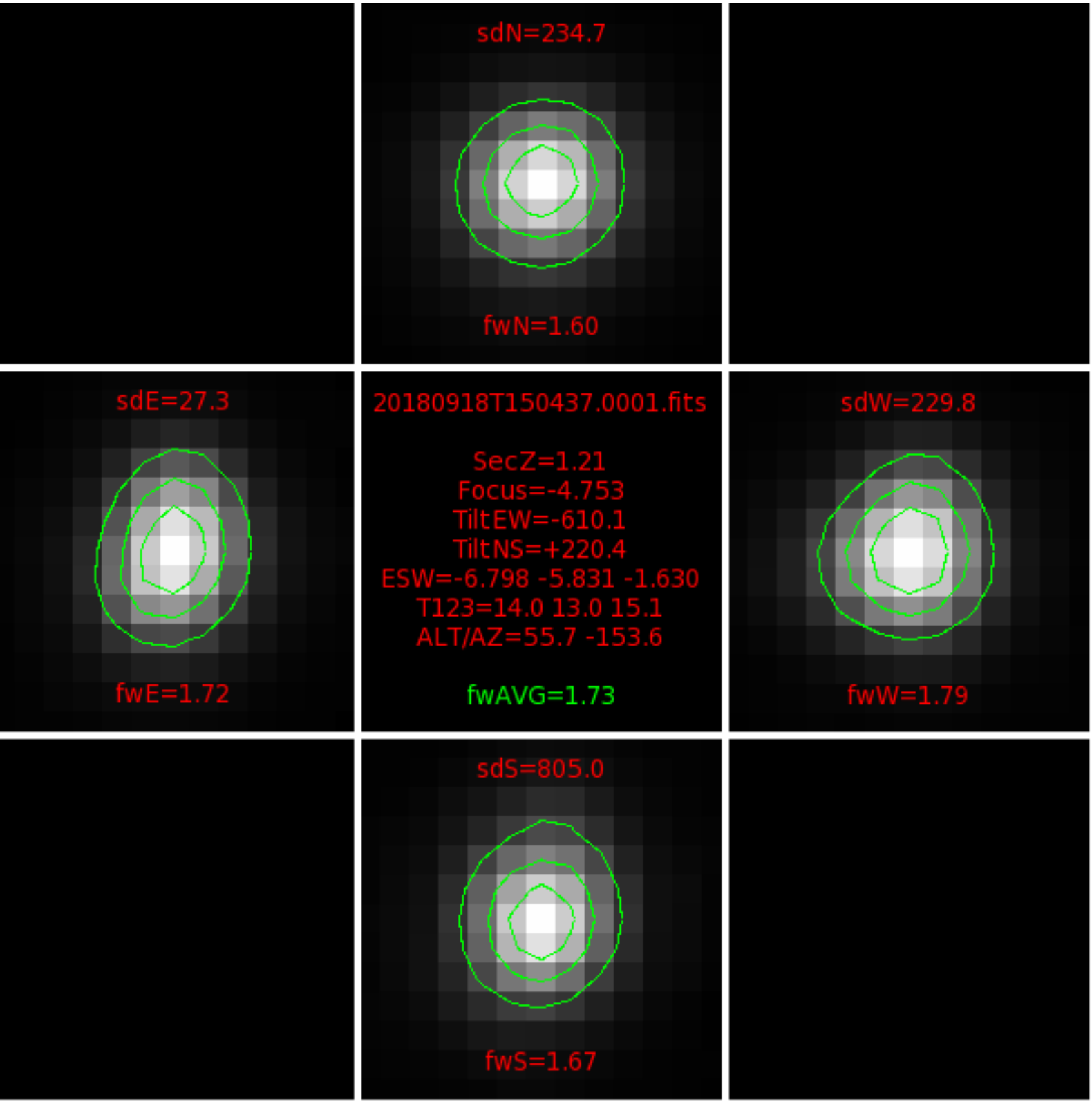
sdN=234.7
fwN=1.60
sdE=27.3
fwE=1.72
20180918T150437.0001.fits
SecZ=1.21
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=14.0 13.0 15.1
ALT/AZ=55.7 -153.6
fwAVG=1.73
sdW=229.8
fwW=1.79
sdS=805.0
fwS=1.67
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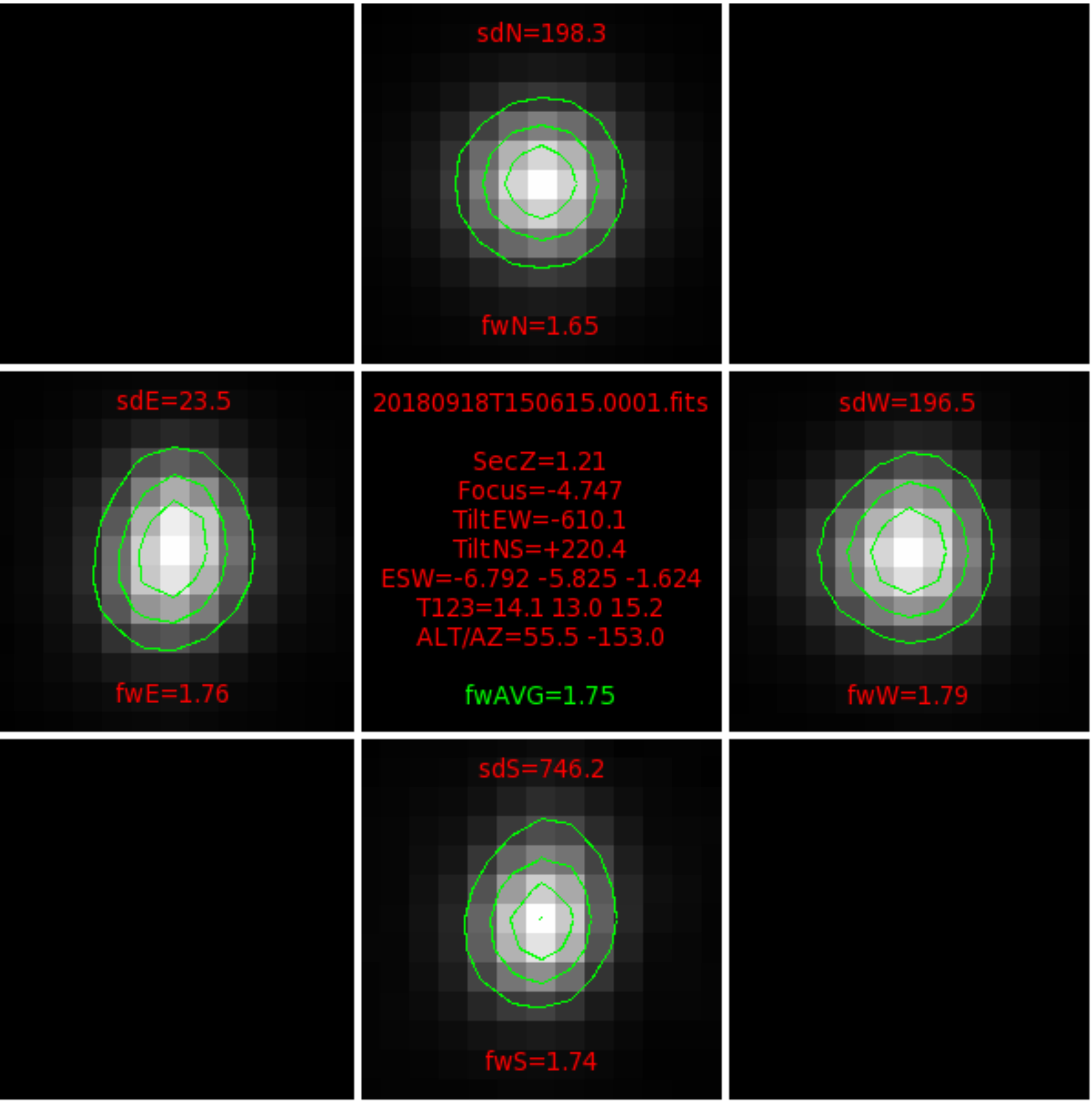
sdN=198.3
fwN=1.65
sdE=23.5
fwE=1.76
20180918T150615.0001.fits
SecZ=1.21
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.0 15.2
ALT/AZ=55.5 -153.0
fwAVG=1.75
sdW=196.5
fwW=1.79
sdS=746.2
fwS=1.74
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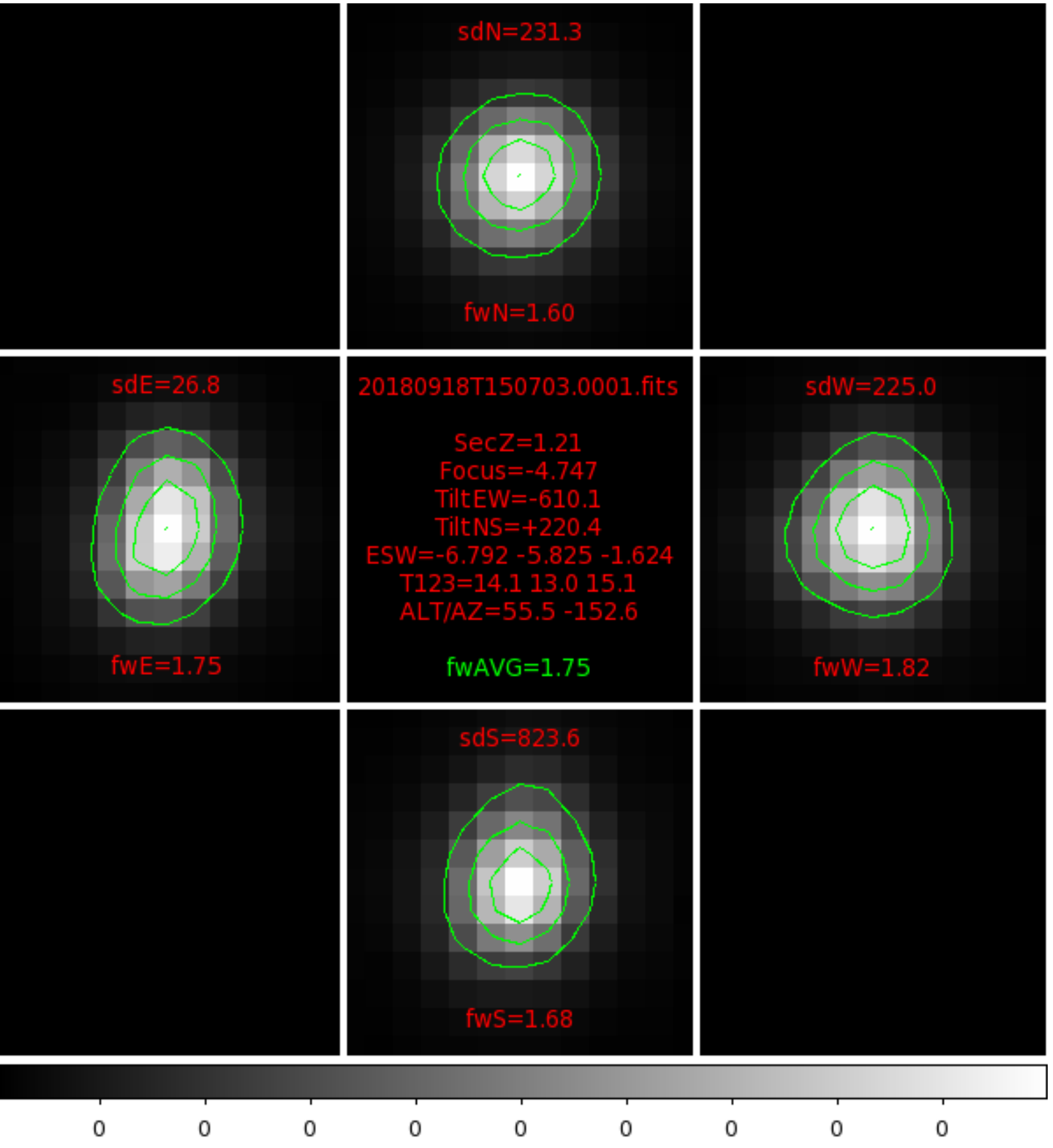
sdN=231.3
fwN=1.60
sdE=26.8
fwE=1.75
20180918T150703.0001.fits
SecZ=1.21
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.0 15.1
ALT/AZ=55.5 -152.6
fwAVG=1.75
sdW=225.0
fwW=1.82
sdS=823.6
fwS=1.68
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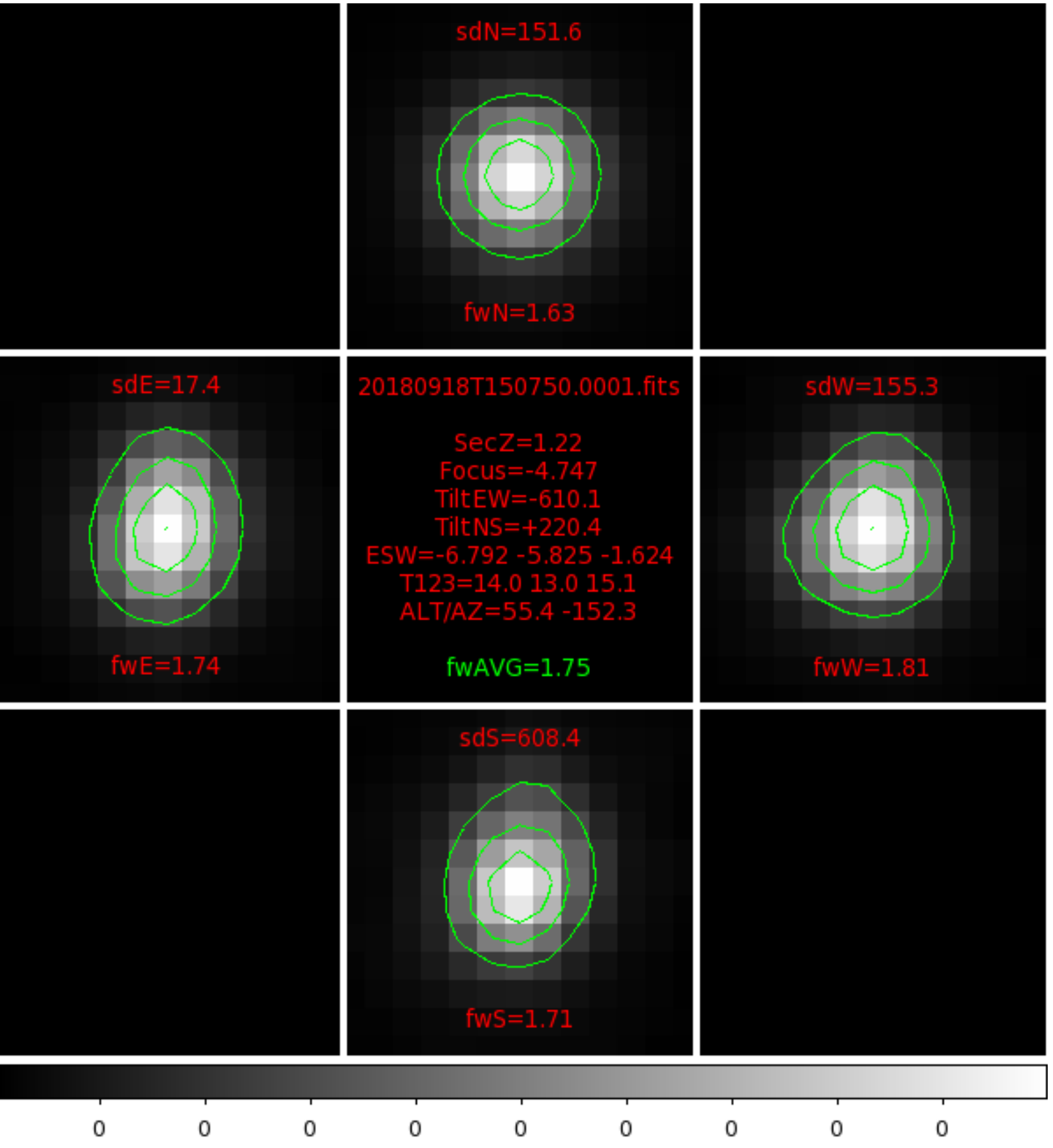
sdN=151.6
fwN=1.63
sdE=17.4
fwE=1.74
20180918T150750.0001.fits
SecZ=1.22
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.0 13.0 15.1
ALT/AZ=55.4 -152.3
fwAVG=1.75
sdW=155.3
fwW=1.81
sdS=608.4
fwS=1.71
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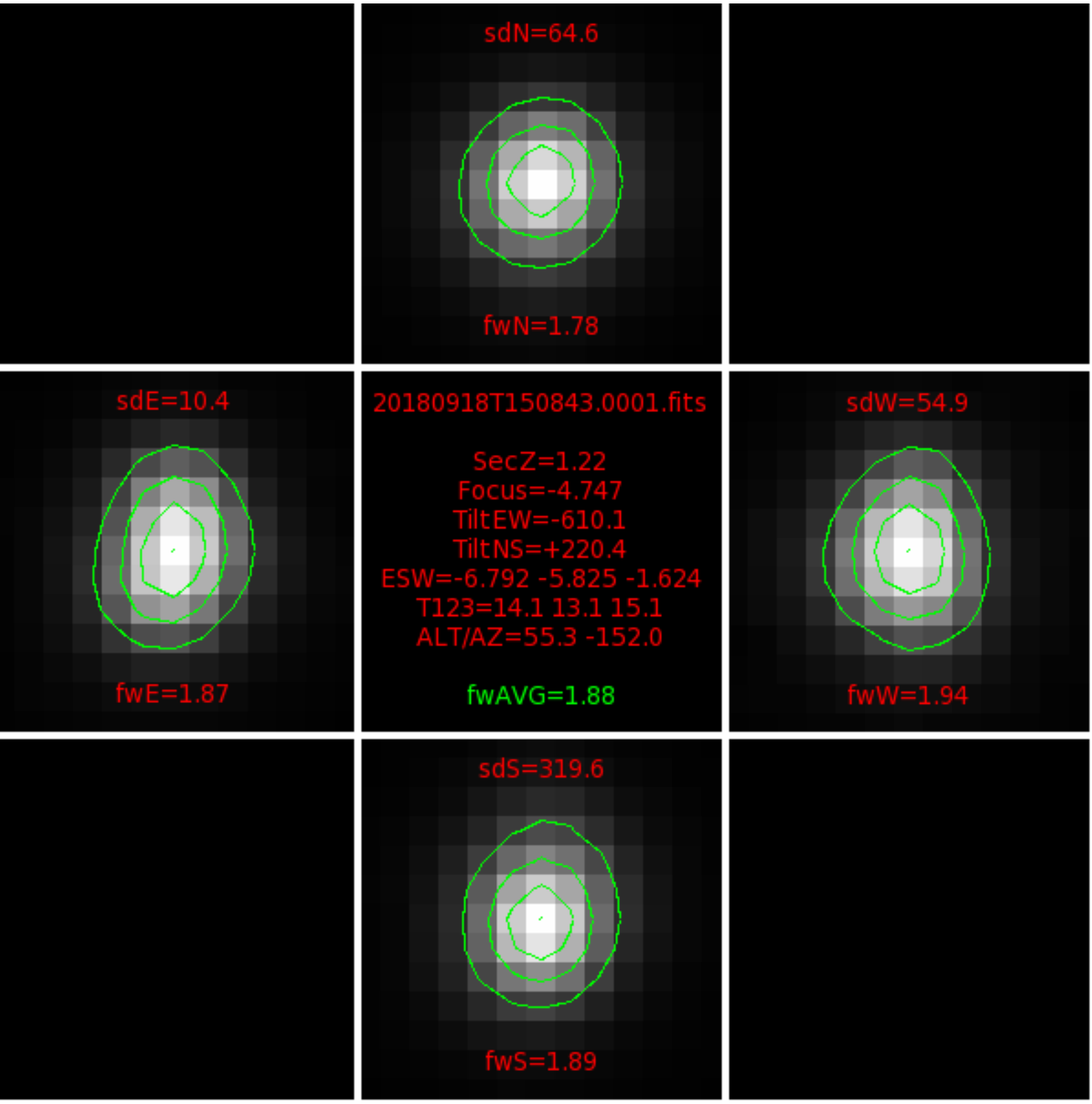
sdN=64.6
fwN=1.78
sdE=10.4
fwE=1.87
20180918T150843.0001.fits
SecZ=1.22
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=55.3 -152.0
fwAVG=1.88
sdW=54.9
fwW=1.94
sdS=319.6
fwS=1.89
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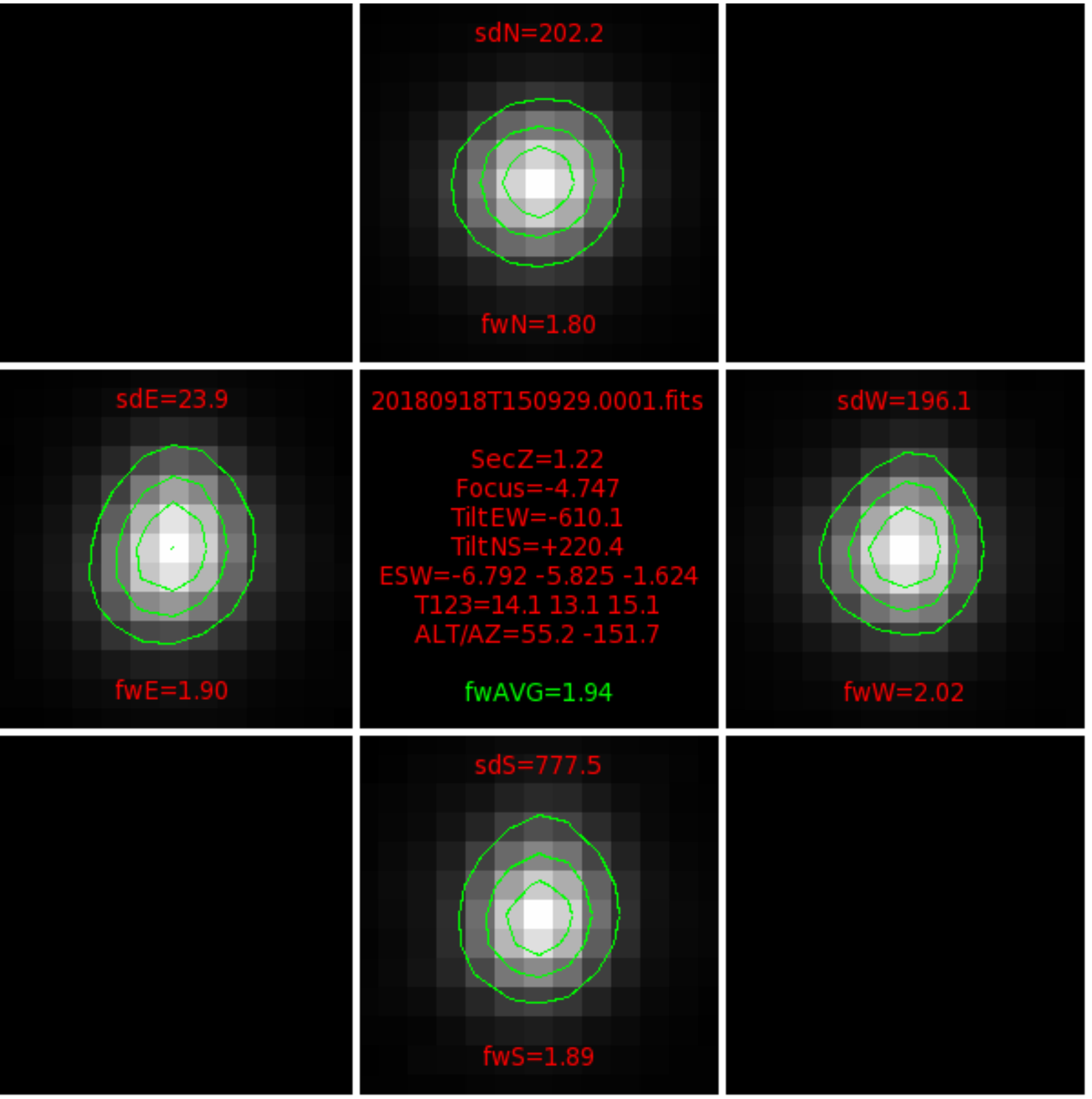
sdN=202.2
fwN=1.80
sdE=23.9
fwE=1.90
20180918T150929.0001.fits
SecZ=1.22
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=55.2 -151.7
fwAVG=1.94
sdW=196.1
fwW=2.02
sdS=777.5
fwS=1.89
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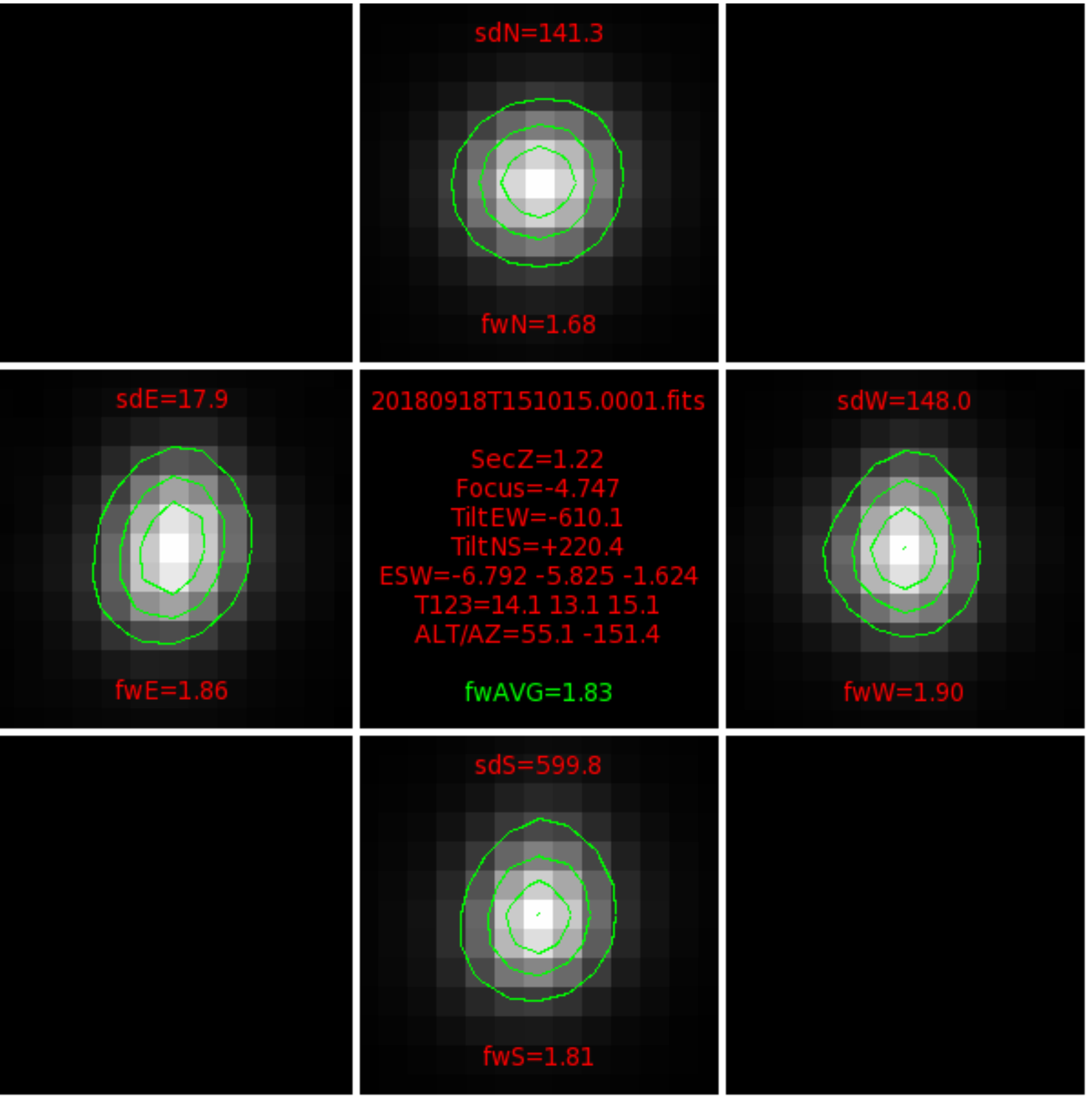
sdN=141.3
fwN=1.68
sdE=17.9
fwE=1.86
20180918T151015.0001.fits
SecZ=1.22
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=55.1 -151.4
fwAVG=1.83
sdW=148.0
fwW=1.90
sdS=599.8
fwS=1.81
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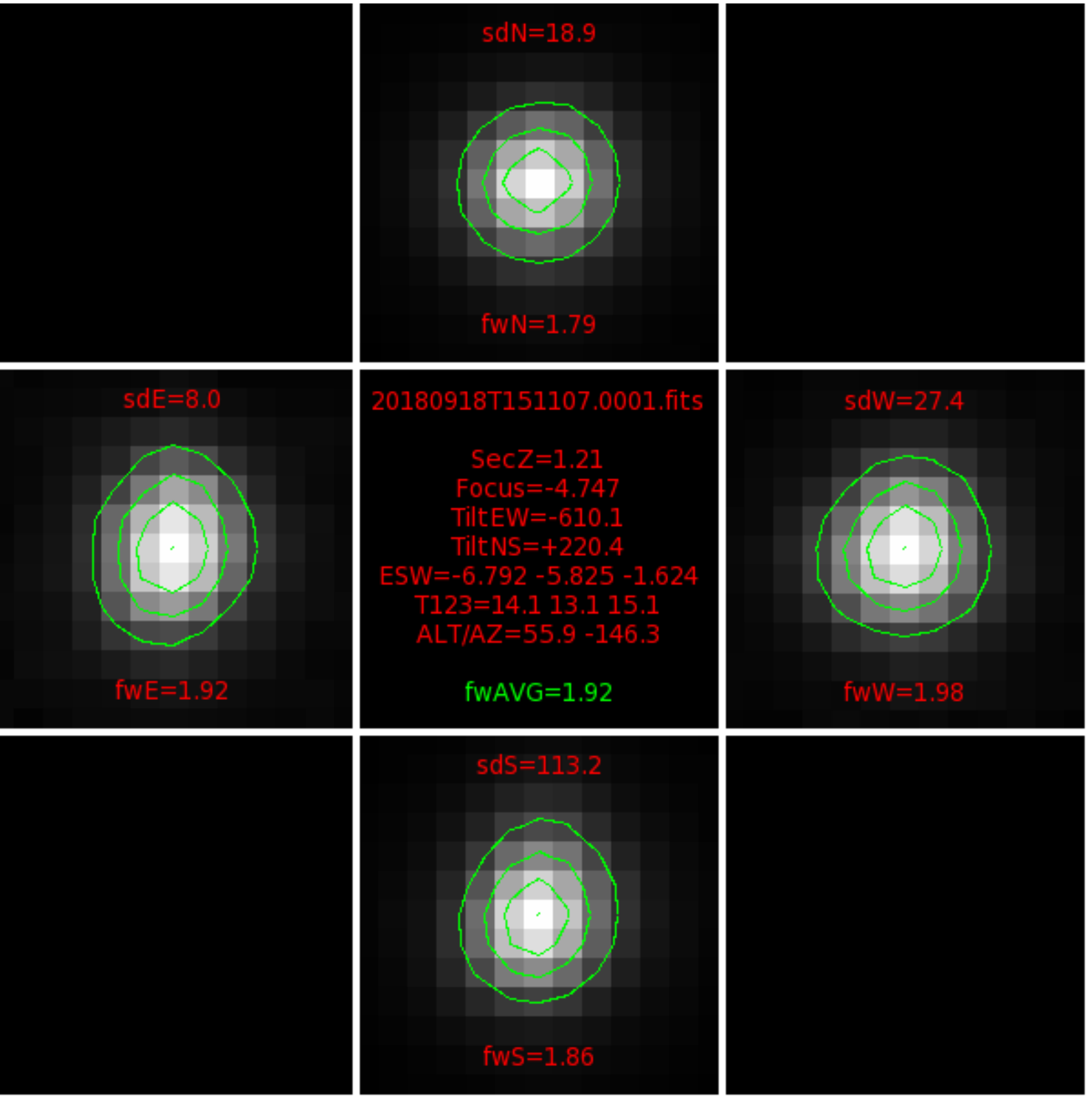
sdN=18.9
fwN=1.79
sdE=8.0
fwE=1.92
20180918T151107.0001.fits
SecZ=1.21
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=55.9 -146.3
fwAVG=1.92
sdW=27.4
fwW=1.98
sdS=113.2
fwS=1.86
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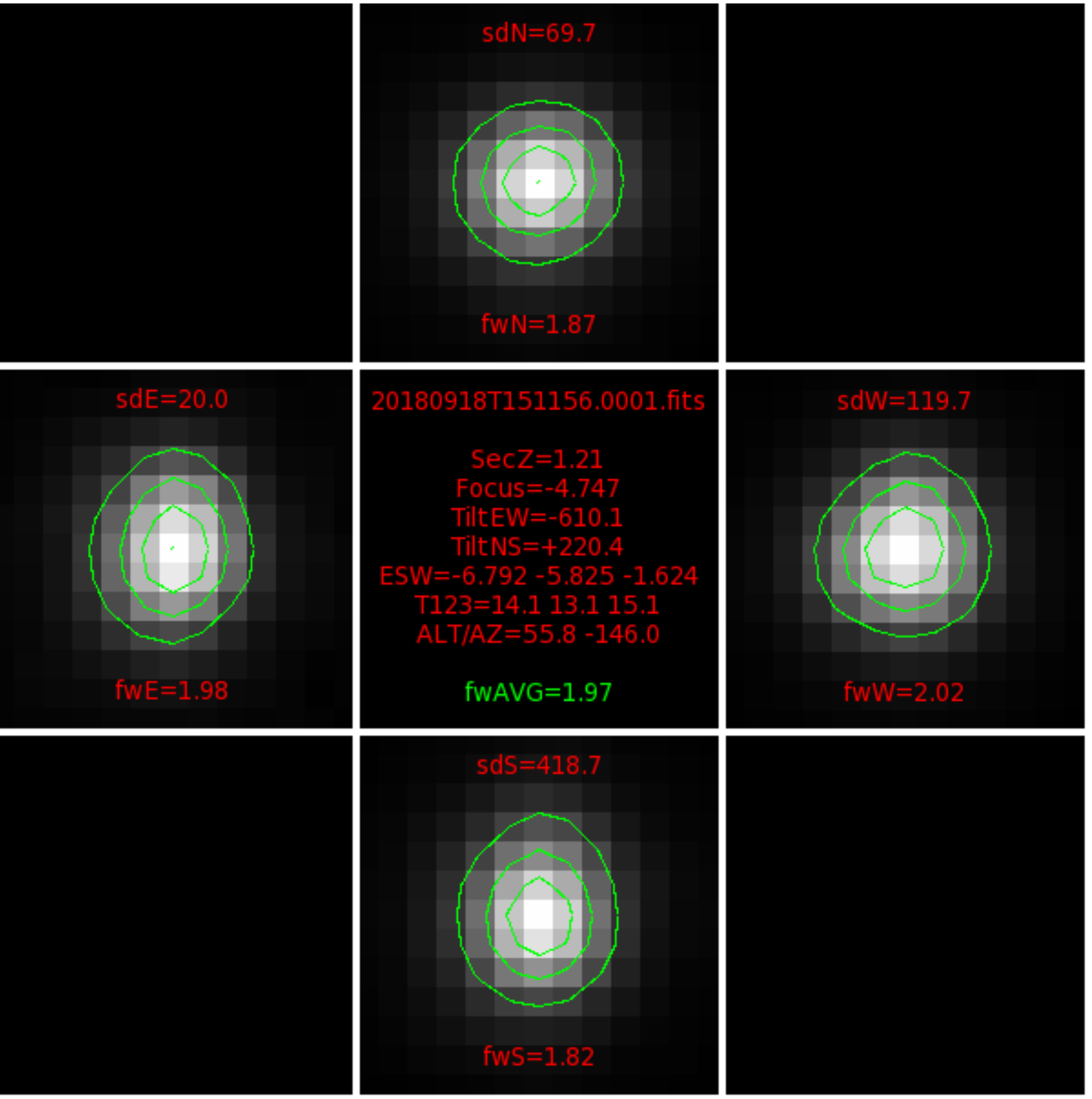
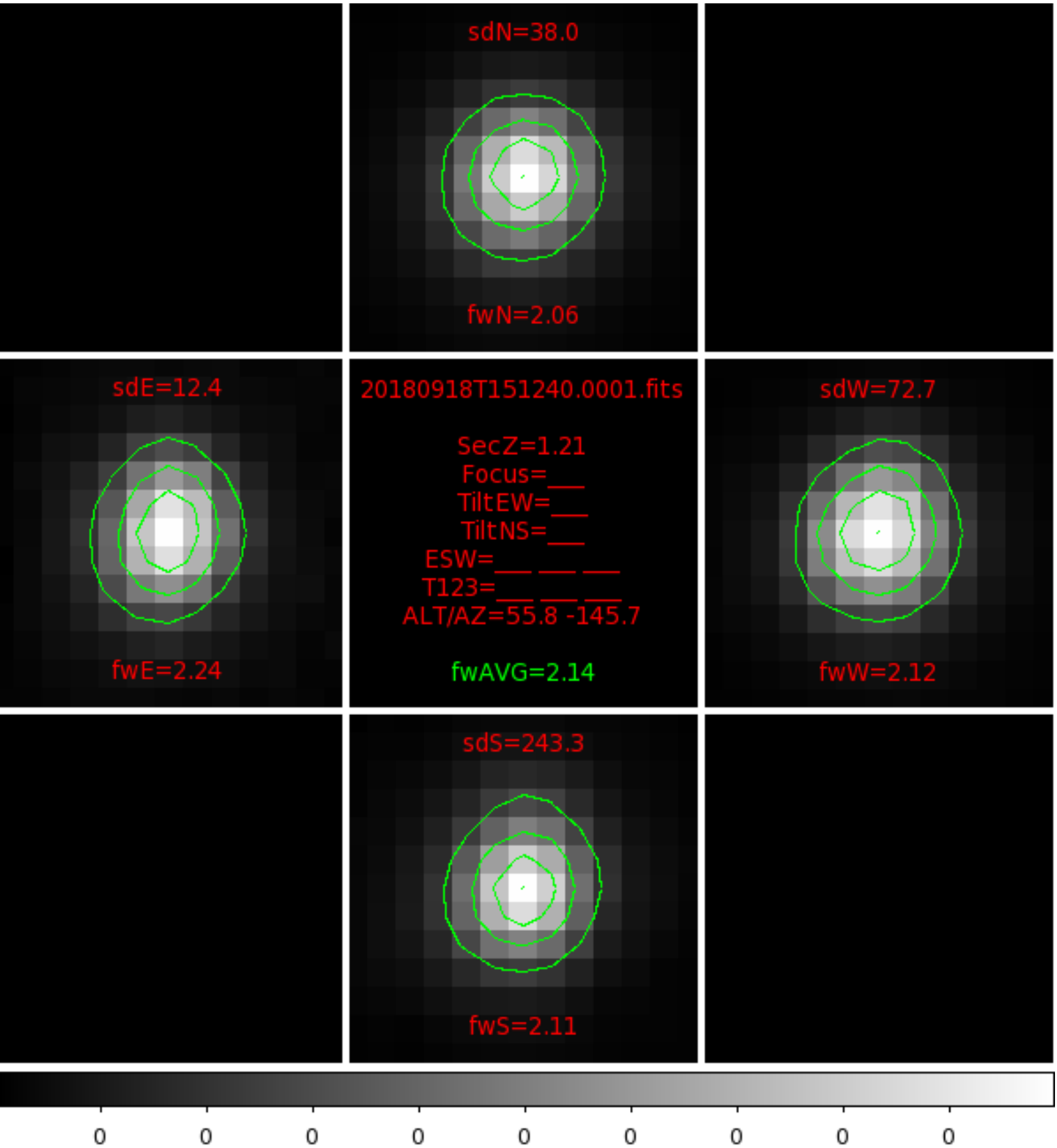
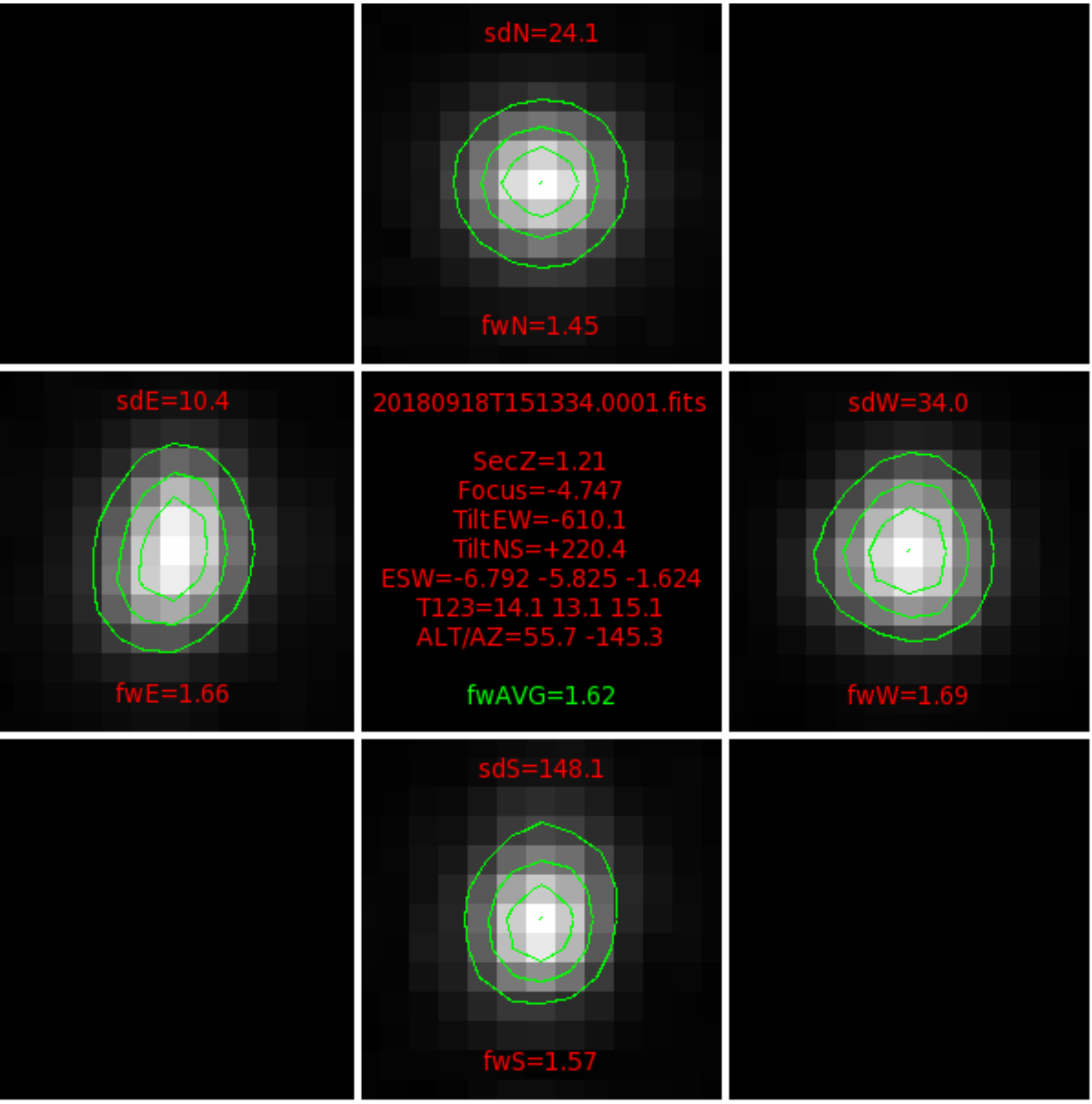
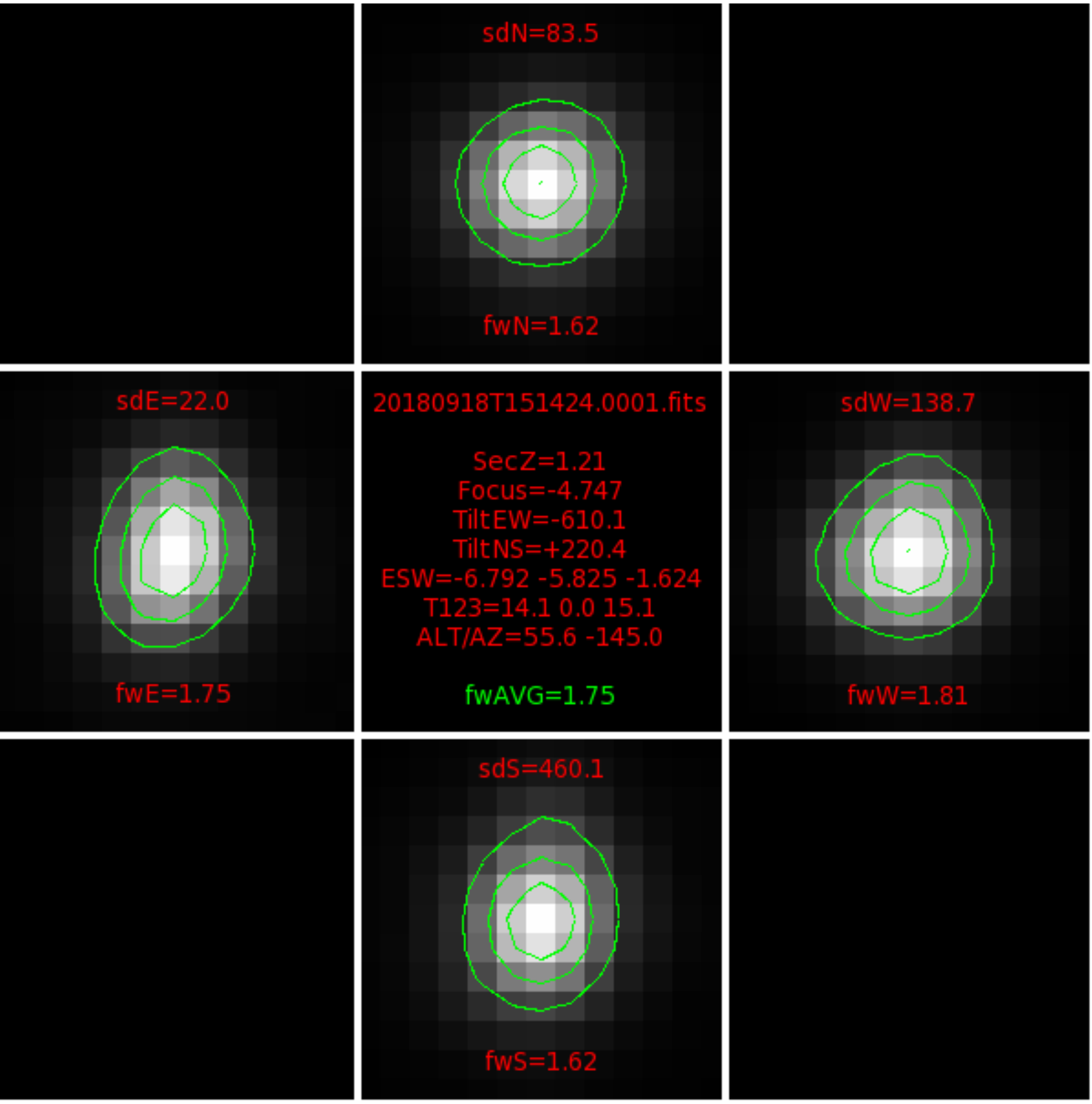
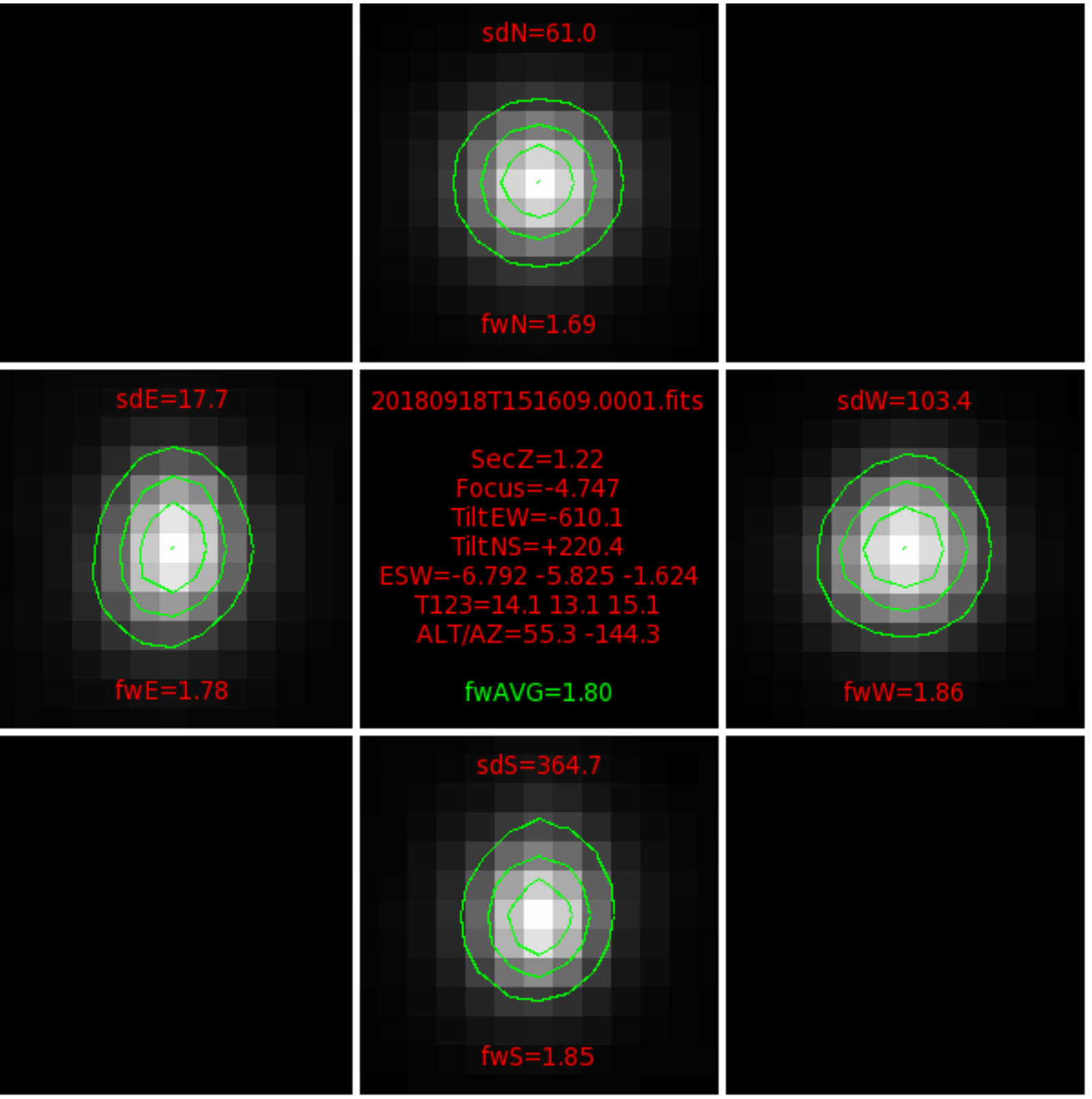

sdN=69.7
fwN=1.87
sdE=20.0
fwE=1.98
20180918T151156.0001.fits
SecZ=1.21
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=55.8 -146.0
fwAVG=1.97
sdW=119.7
fwW=2.02
sdS=418.7
fwS=1.82
0 0 0 0 0 0 0 0 0


sdN=38.0
fwN=2.06
sdE=12.4
fwE=2.24
20180918T151240.0001.fits
SecZ=1.21
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=55.8 -145.7
fwAVG=2.14
sdW=72.7
fwW=2.12
sdS=243.3
fwS=2.11
0 0 0 0 0 0 0 0 0


sdN=24.1
fwN=1.45
sdE=10.4
fwE=1.66
20180918T151334.0001.fits
SecZ=1.21
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=55.7 -145.3
fwAVG=1.62
sdW=34.0
fwW=1.69
sdS=148.1
fwS=1.57
0 0 0 0 0 0 0 0 0


sdN=83.5
fwN=1.62
sdE=22.0
fwE=1.75
20180918T151424.0001.fits
SecZ=1.21
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 0.0 15.1
ALT/AZ=55.6 -145.0
fwAVG=1.75
sdW=138.7
fwW=1.81
sdS=460.1
fwS=1.62
0 0 0 0 0 0 0 0 0


sdN=61.0
fwN=1.69
sdE=17.7
fwE=1.78
20180918T151609.0001.fits
SecZ=1.22
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=55.3 -144.3
fwAVG=1.80
sdW=103.4
fwW=1.86
sdS=364.7
fwS=1.85
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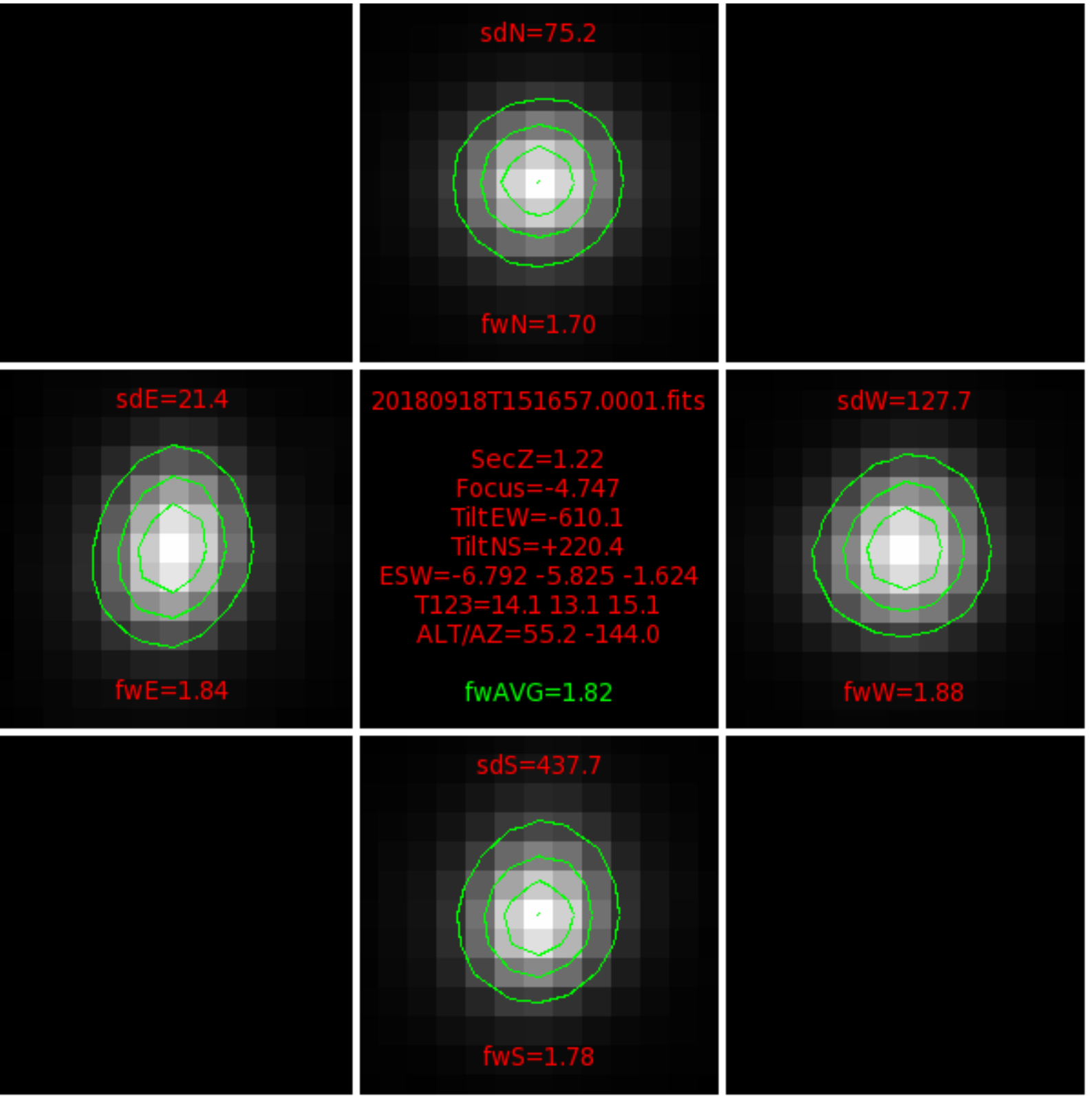
sdN=75.2
fwN=1.70
sdE=21.4
fwE=1.84
20180918T151657.0001.fits
SecZ=1.22
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=55.2 -144.0
fwAVG=1.82
sdW=127.7
fwW=1.88
sdS=437.7
fwS=1.78
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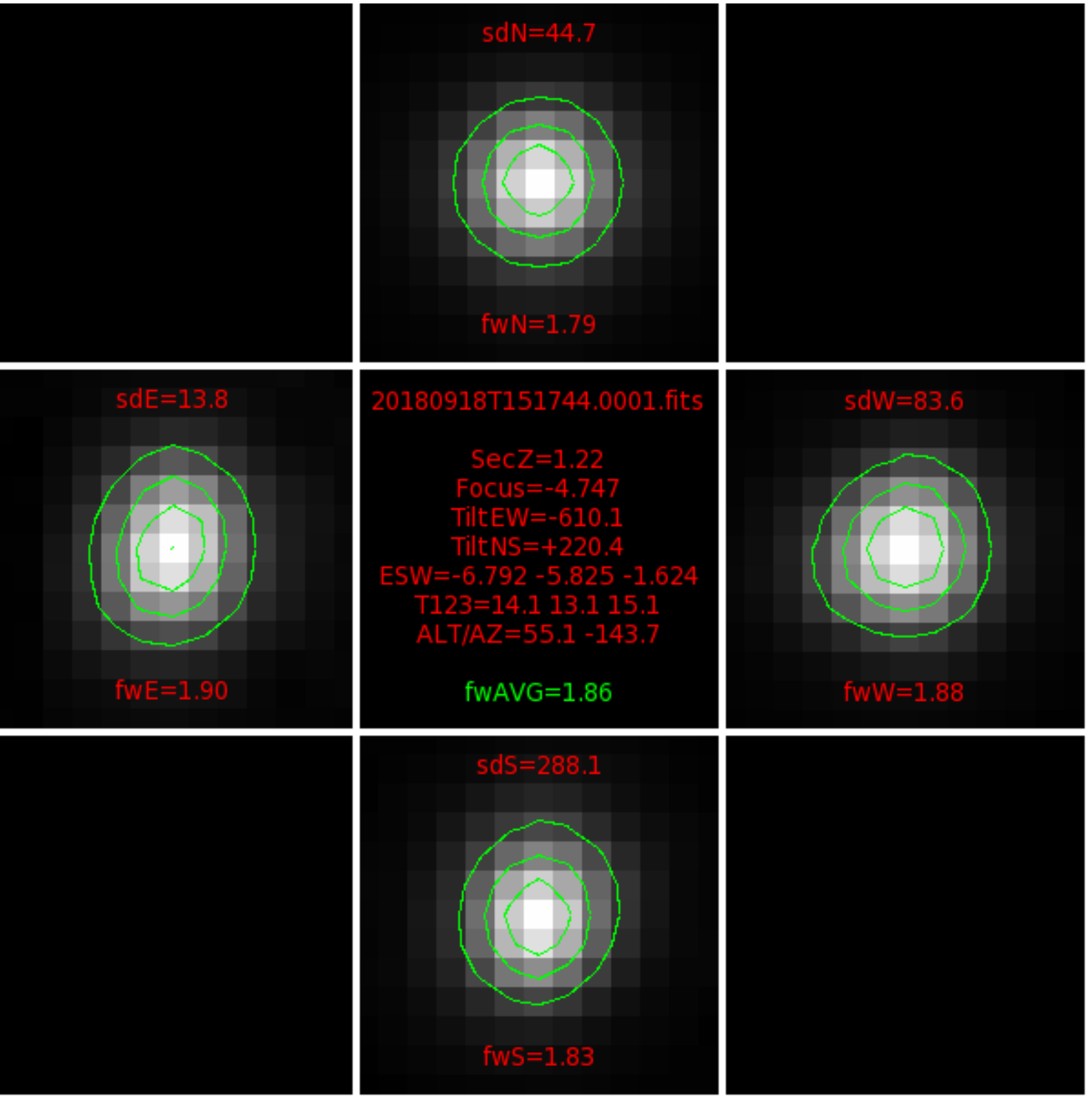
sdN=44.7
fwN=1.79
sdE=13.8
fwE=1.90
20180918T151744.0001.fits
SecZ=1.22
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=55.1 -143.7
fwAVG=1.86
sdW=83.6
fwW=1.88
sdS=288.1
fwS=1.83
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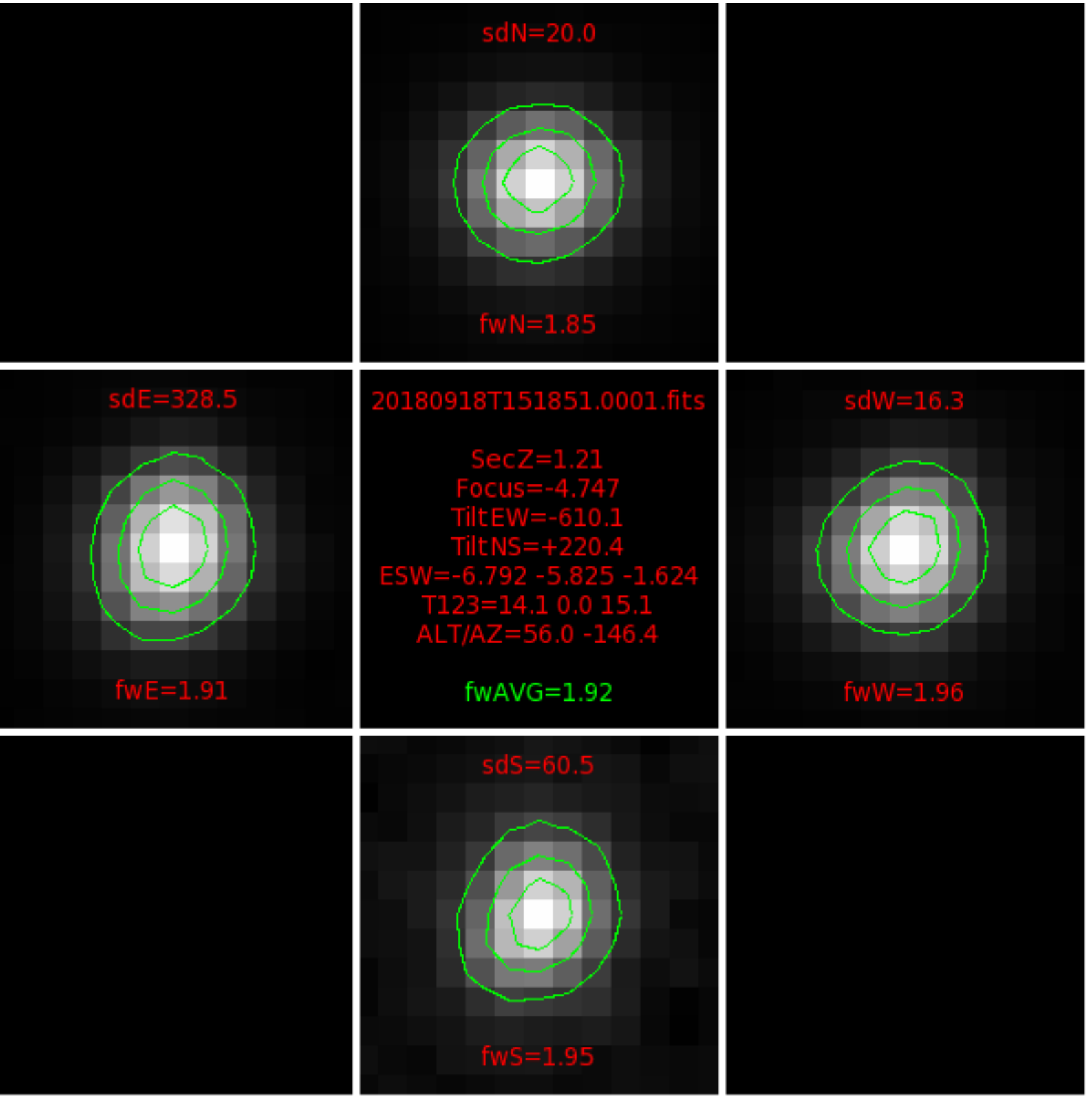
sdN=20.0
fwN=1.85
sdE=328.5
fwE=1.91
20180918T151851.0001.fits
SecZ=1.21
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 0.0 15.1
ALT/AZ=56.0 -146.4
fwAVG=1.92
sdW=16.3
fwW=1.96
sdS=60.5
fwS=1.95
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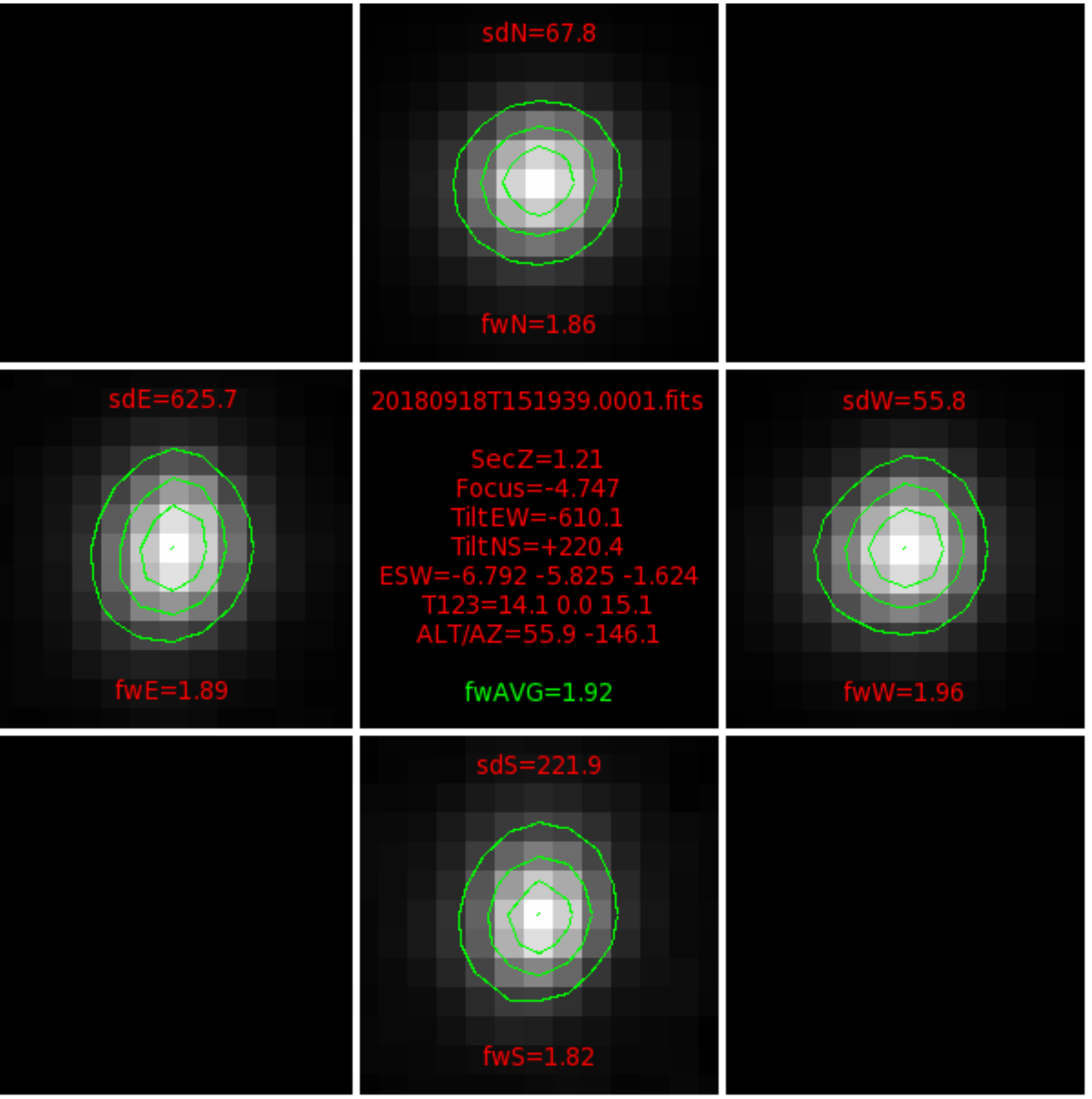
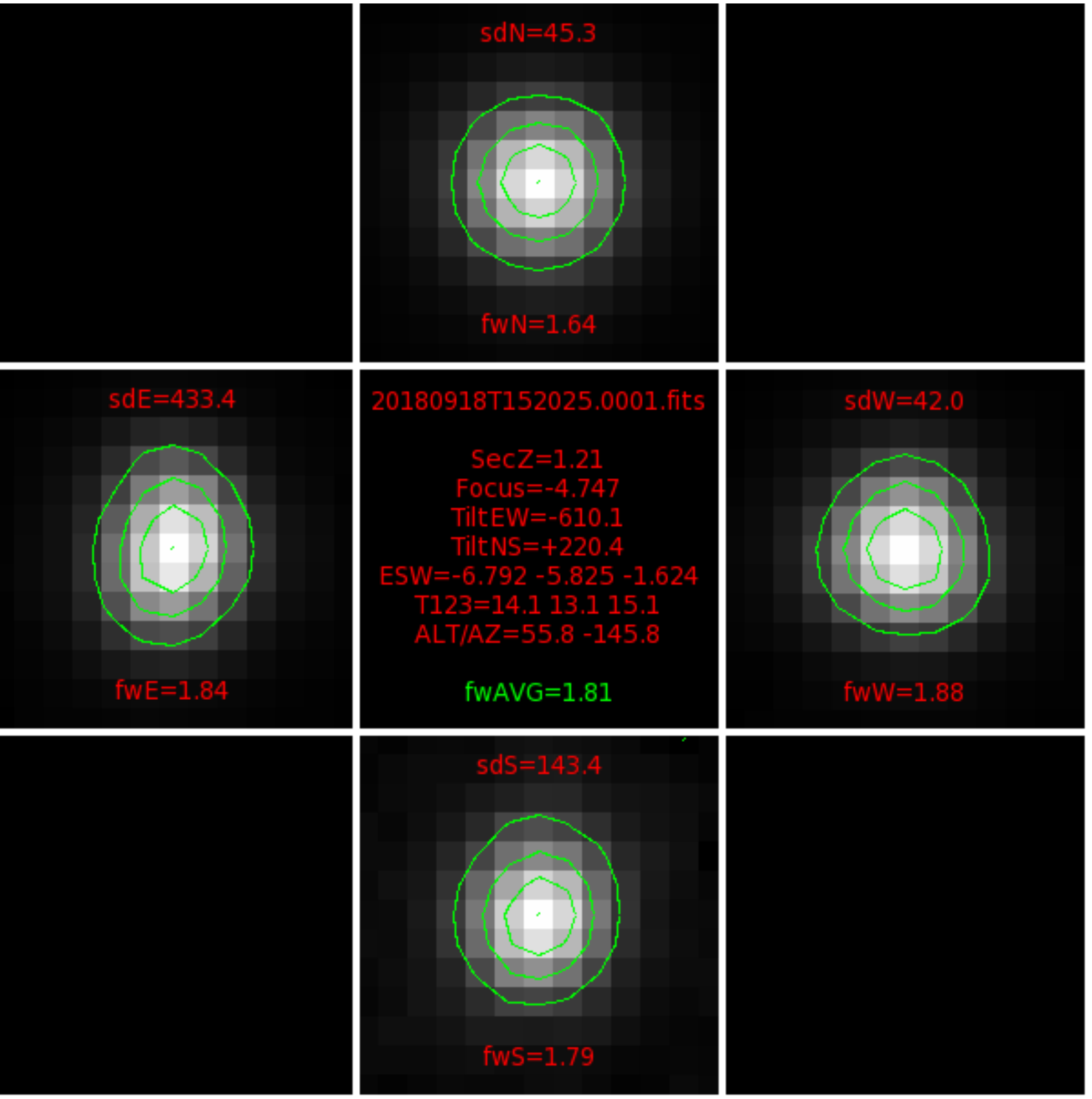

sdN=67.8
fwN=1.86
sdE=625.7
fwE=1.89
20180918T151939.0001.fits
SecZ=1.21
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 0.0 15.1
ALT/AZ=55.9 -146.1
fwAVG=1.92
sdW=55.8
fwW=1.96
sdS=221.9
fwS=1.82
0 0 0 0 0 0 0 0 0


sdN=45.3
fwN=1.64
sdE=433.4
fwE=1.84
20180918T152025.0001.fits
SecZ=1.21
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=55.8 -145.8
fwAVG=1.81
sdW=42.0
fwW=1.88
sdS=143.4
fwS=1.79
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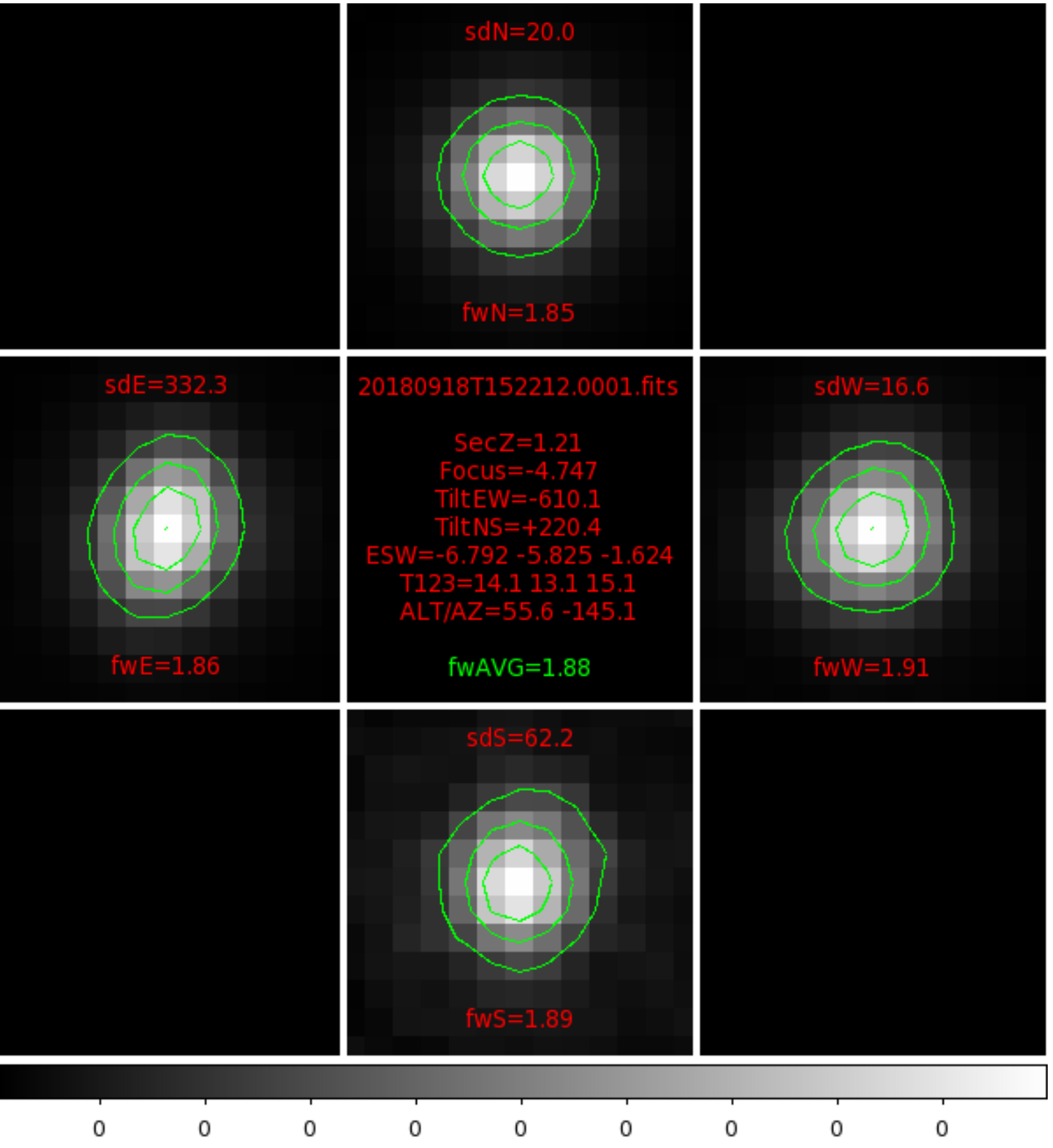
sdN=20.0
fwN=1.85
sdE=332.3
fwE=1.86
20180918T152212.0001.fits
SecZ=1.21
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=55.6 -145.1
fwAVG=1.88
sdW=16.6
fwW=1.91
sdS=62.2
fwS=1.89
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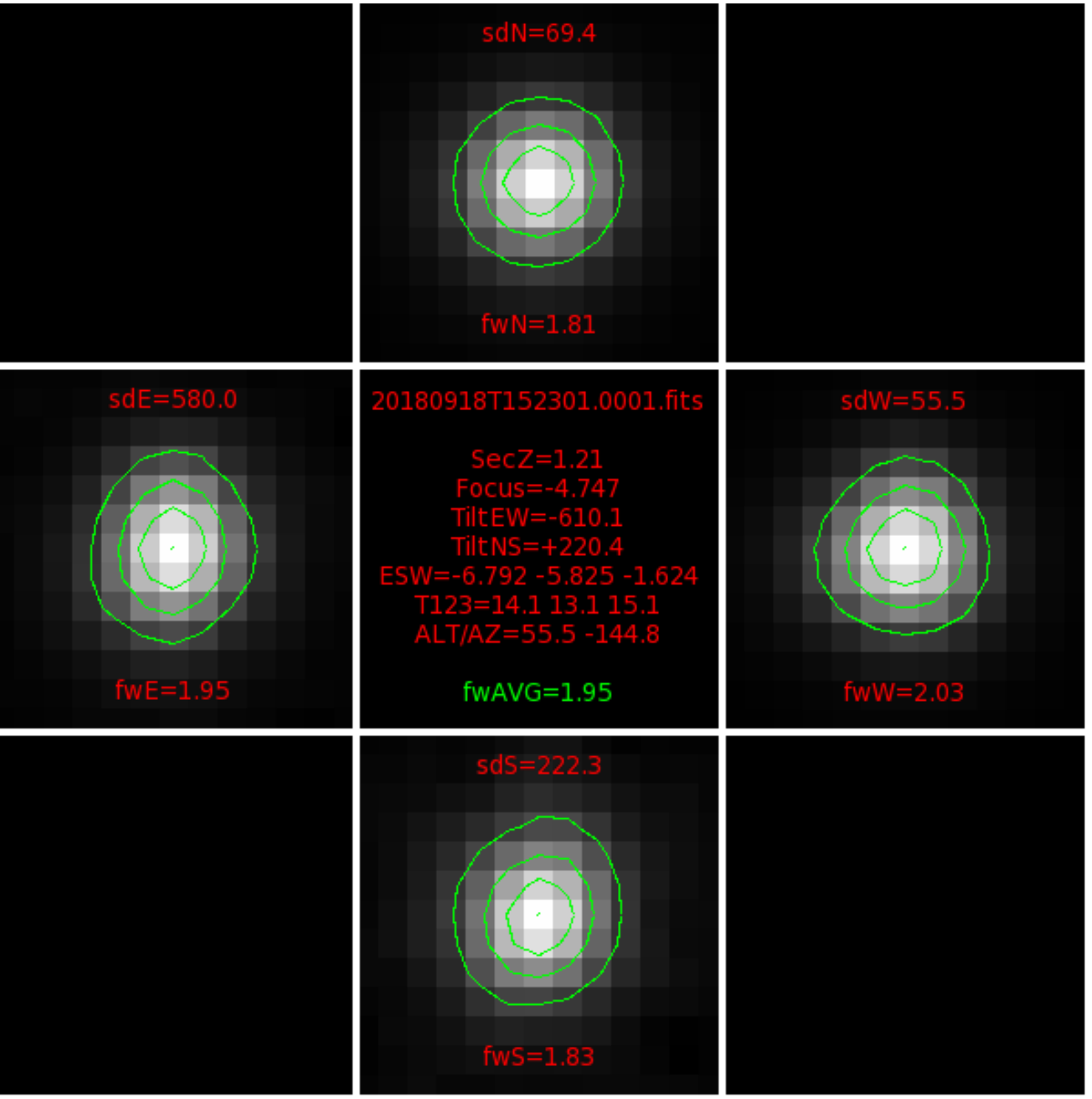
sdN=69.4
fwN=1.81
sdE=580.0
fwE=1.95
20180918T152301.0001.fits
SecZ=1.21
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=55.5 -144.8
fwAVG=1.95
sdW=55.5
fwW=2.03
sdS=222.3
fwS=1.83
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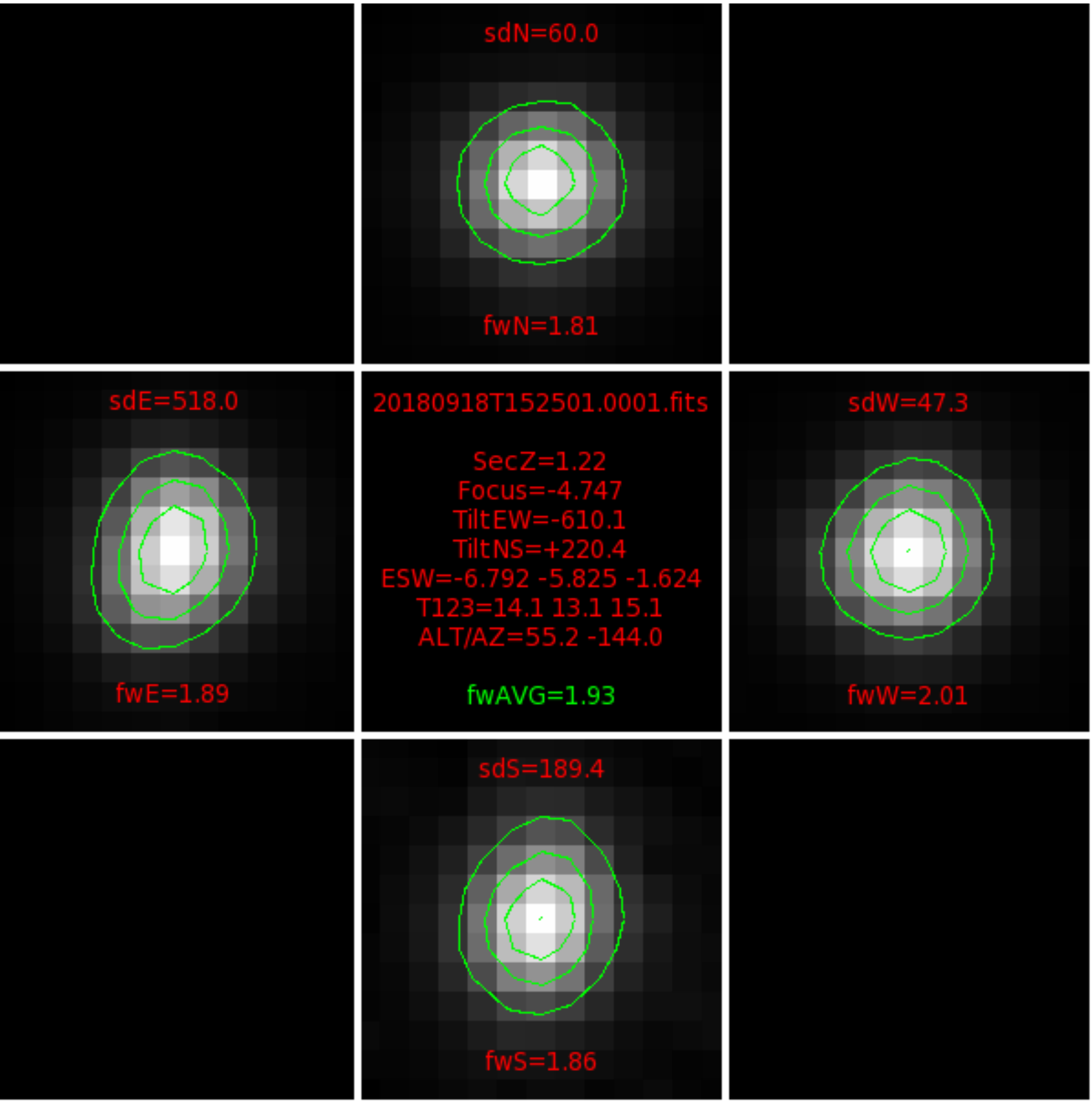
sdN=60.0
fwN=1.81
sdE=518.0
fwE=1.89
20180918T152501.0001.fits
SecZ=1.22
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=55.2 -144.0
fwAVG=1.93
sdW=47.3
fwW=2.01
sdS=189.4
fwS=1.86
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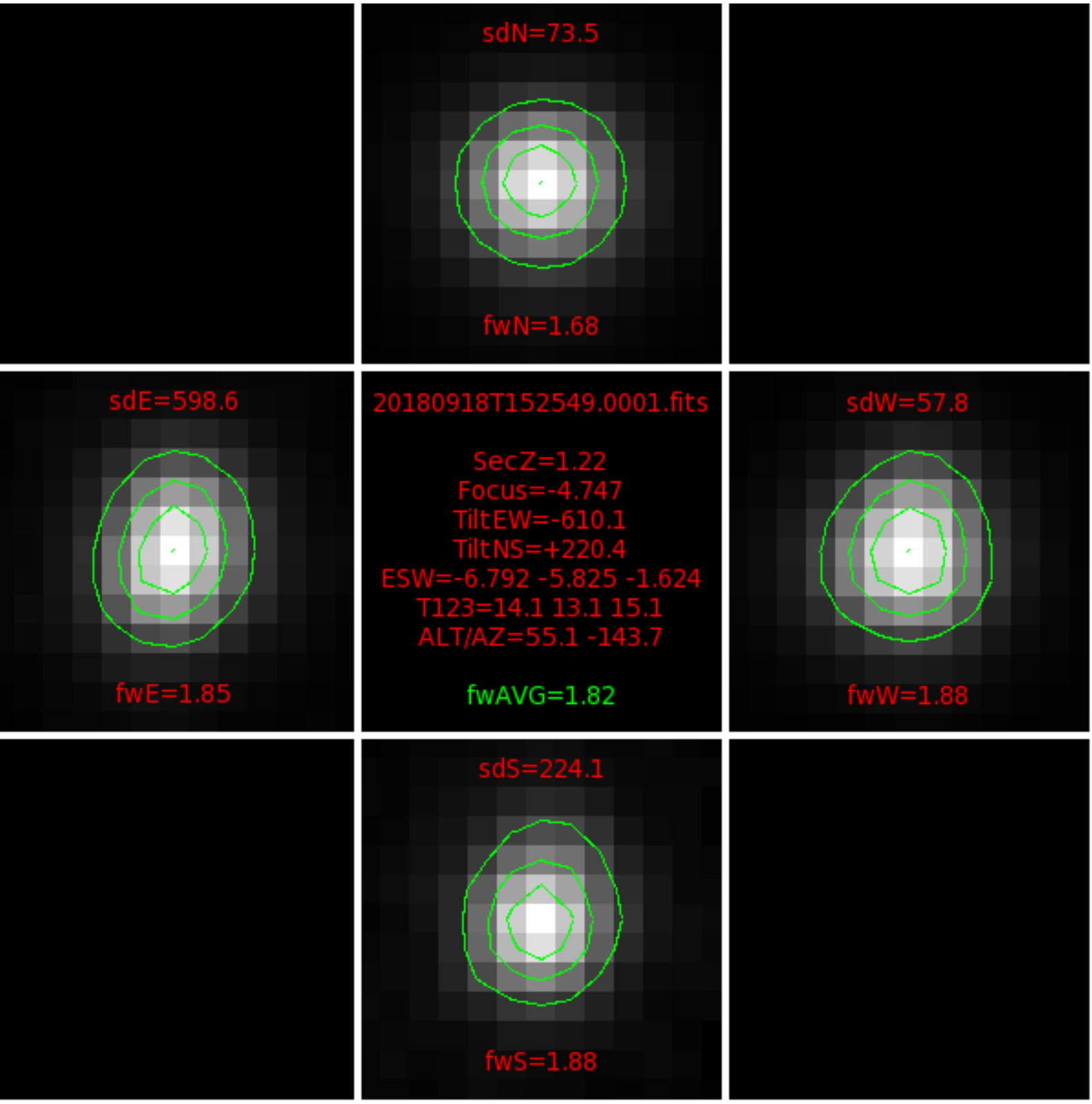
sdN=73.5
fwN=1.68
sdE=598.6
fwE=1.85
20180918T152549.0001.fits
SecZ=1.22
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=55.1 -143.7
fwAVG=1.82
sdW=57.8
fwW=1.88
sdS=224.1
fwS=1.88
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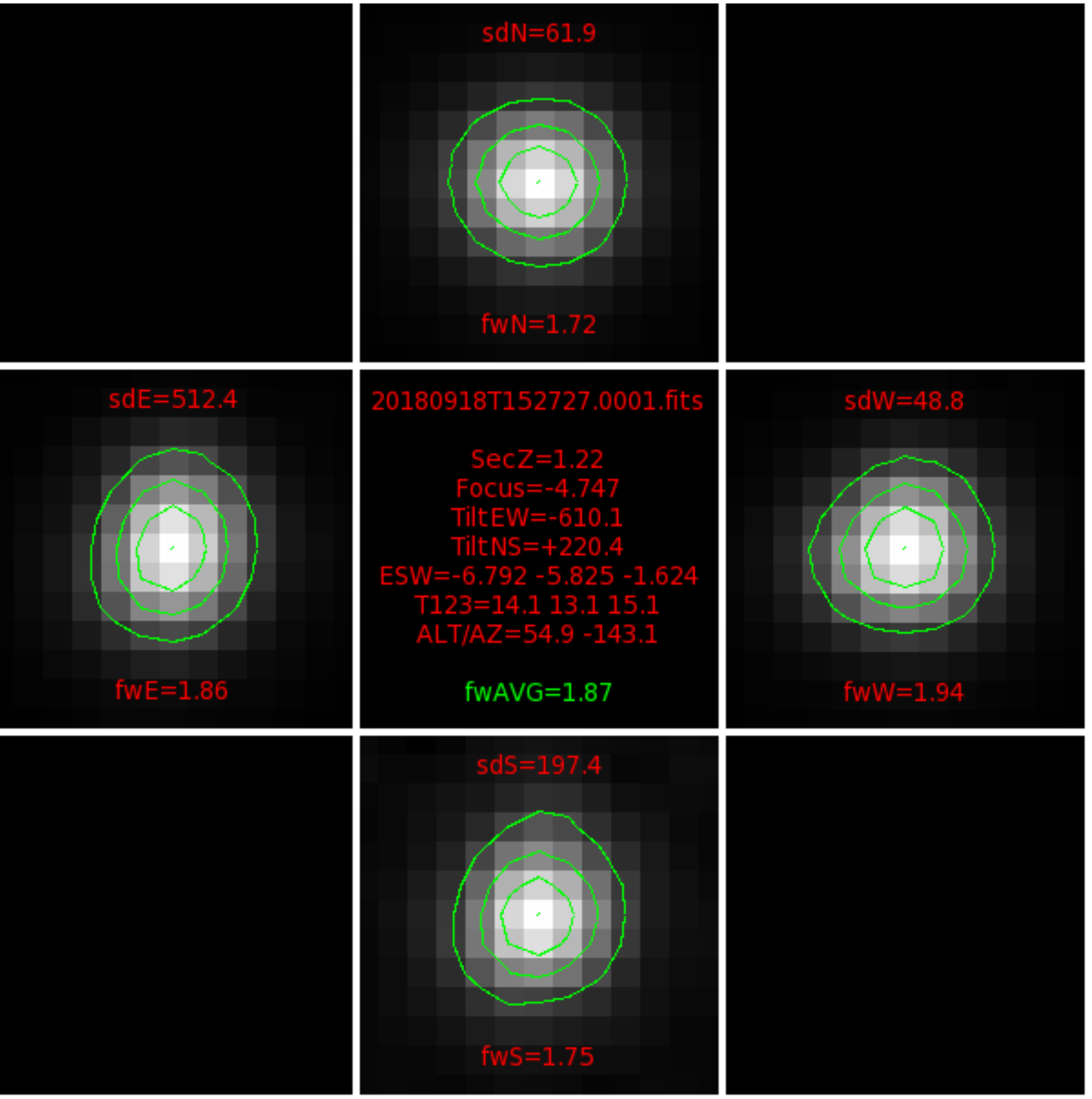
sdN=61.9
fwN=1.72
sdE=512.4
fwE=1.86
20180918T152727.0001.fits
SecZ=1.22
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=54.9 -143.1
fwAVG=1.87
sdW=48.8
fwW=1.94
sdS=197.4
fwS=1.75
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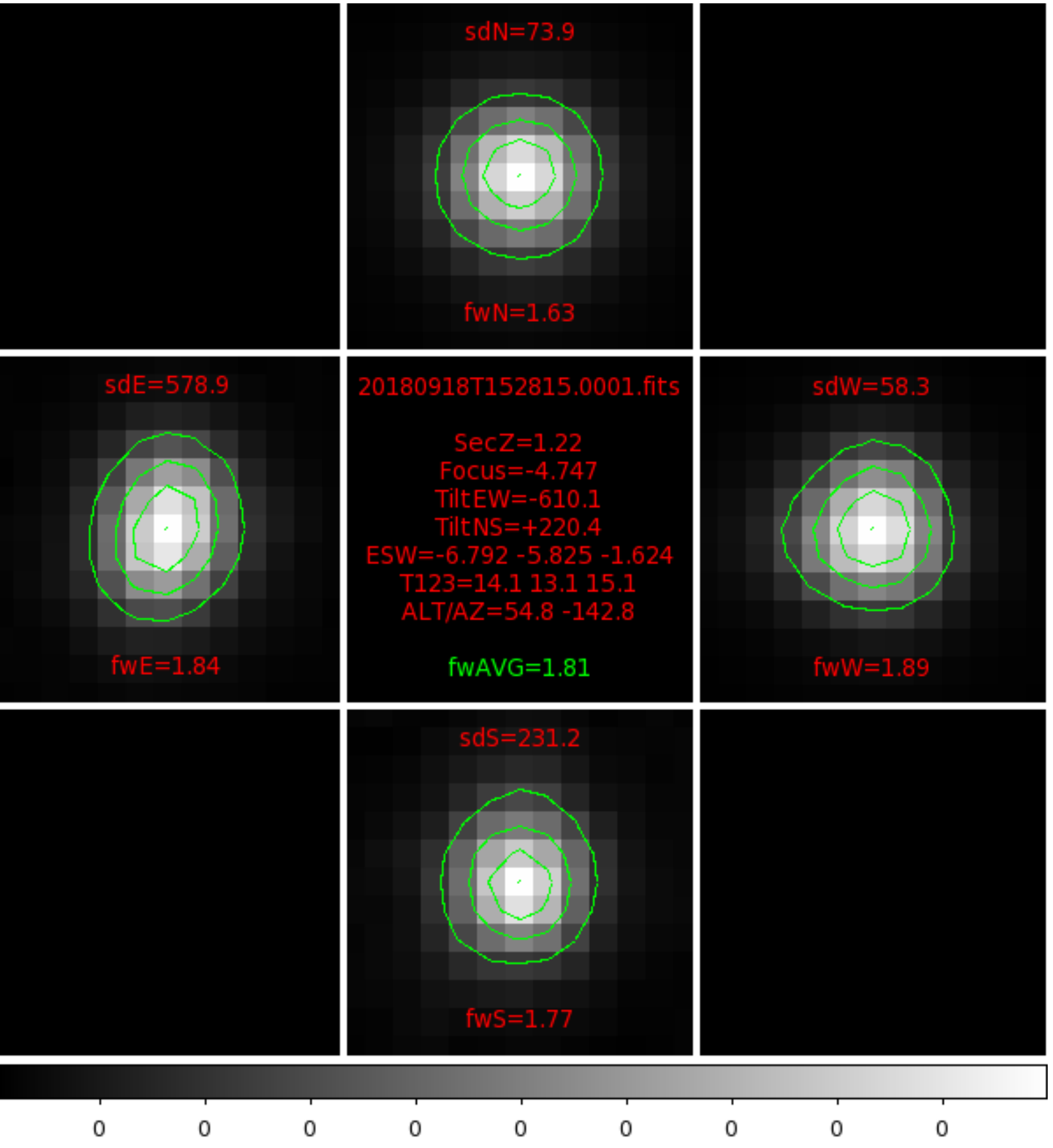
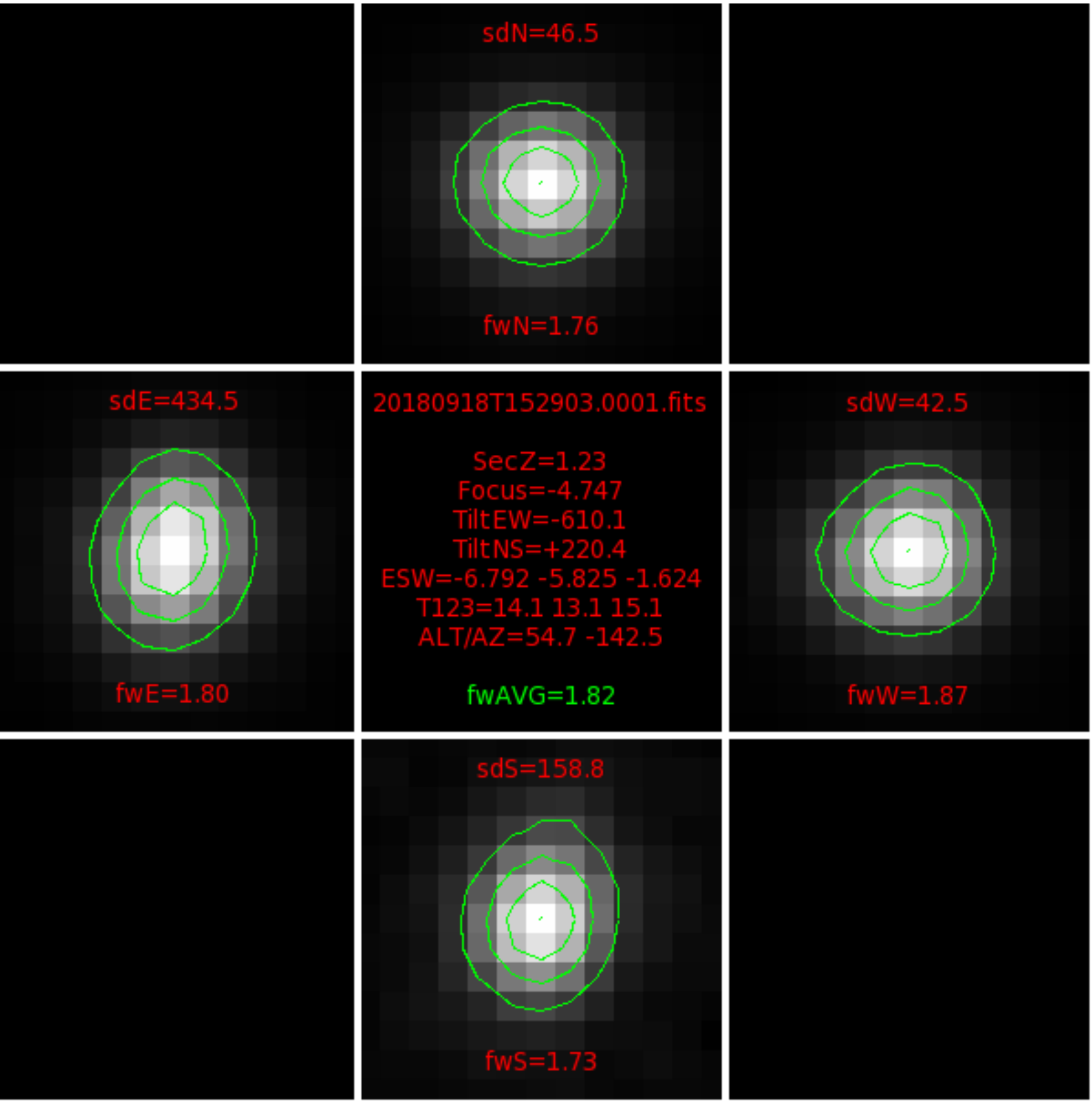

sdN=73.9
fwN=1.63
sdE=578.9
fwE=1.84
20180918T152815.0001.fits
SecZ=1.22
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=54.8 -142.8
fwAVG=1.81
sdW=58.3
fwW=1.89
sdS=231.2
fwS=1.77
0 0 0 0 0 0 0 0 0


sdN=46.5
fwN=1.76
sdE=434.5
fwE=1.80
20180918T152903.0001.fits
SecZ=1.23
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=54.7 -142.5
fwAVG=1.82
sdW=42.5
fwW=1.87
sdS=158.8
fwS=1.73
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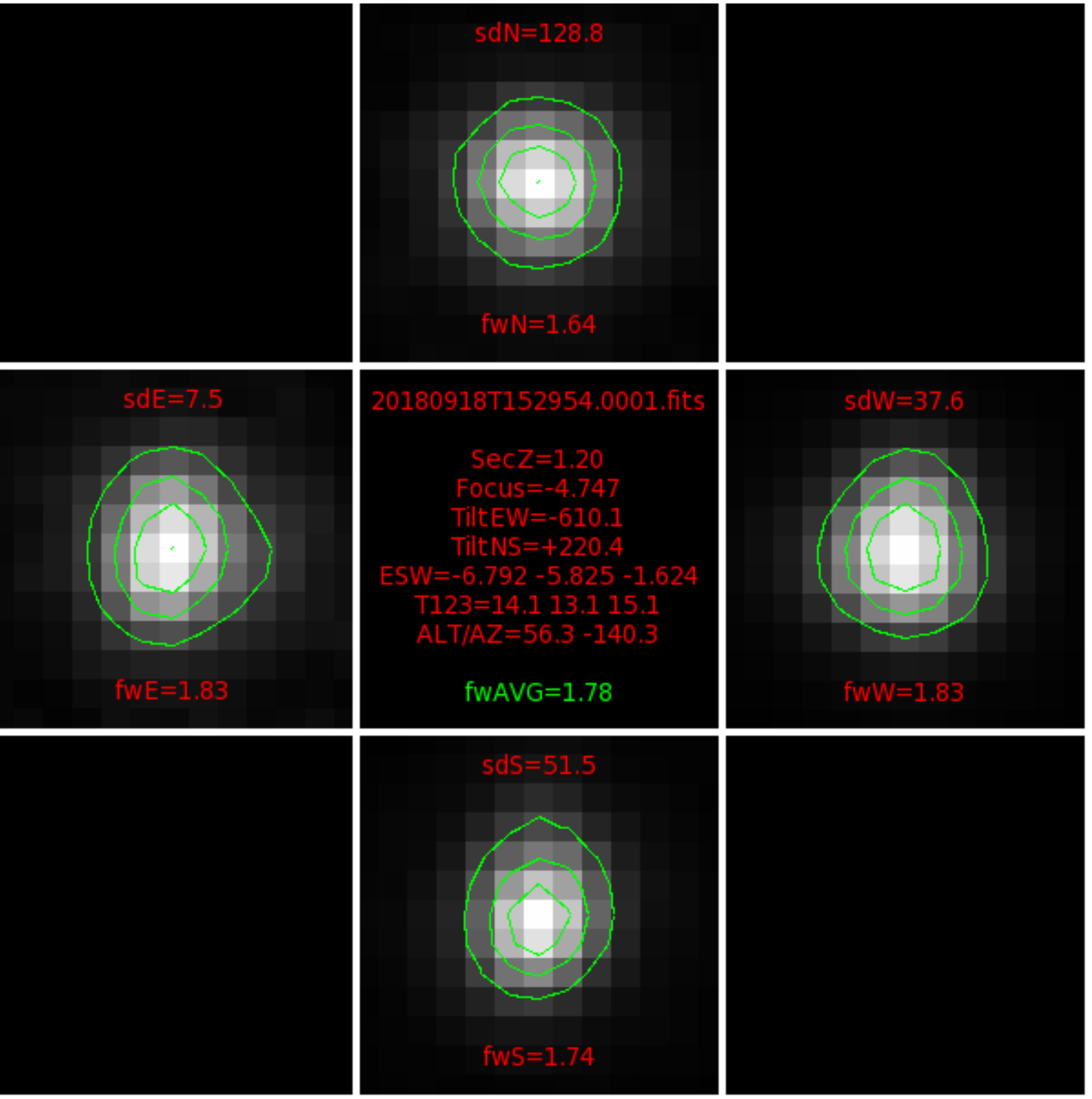
sdN=128.8
fwN=1.64
sdE=7.5
fwE=1.83
20180918T152954.0001.fits
SecZ=1.20
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=56.3 -140.3
fwAVG=1.78
sdW=37.6
fwW=1.83
sdS=51.5
fwS=1.74
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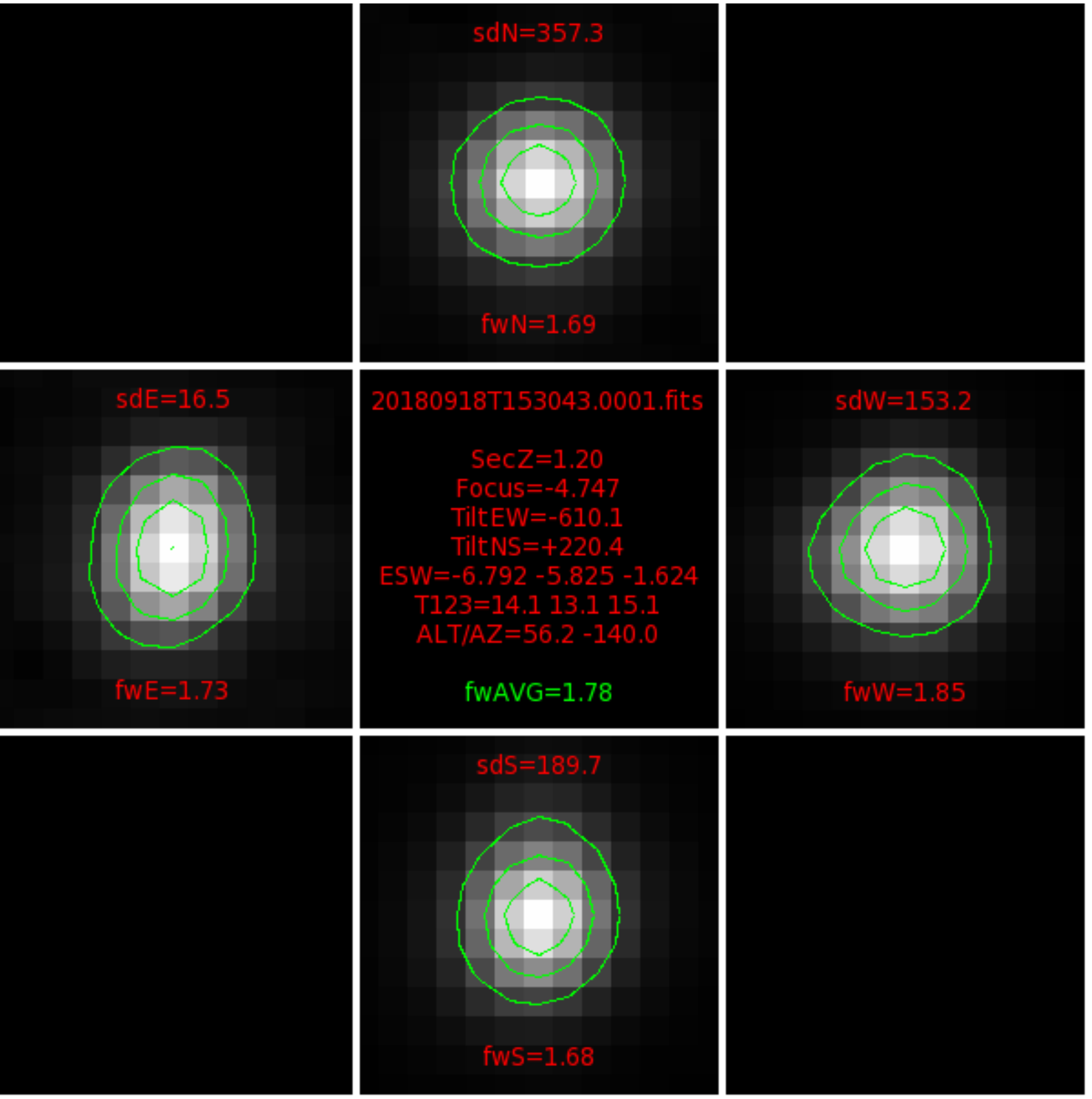
sdN=357.3
fwN=1.69
sdE=16.5
fwE=1.73
20180918T153043.0001.fits
SecZ=1.20
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=56.2 -140.0
fwAVG=1.78
sdW=153.2
fwW=1.85
sdS=189.7
fwS=1.68
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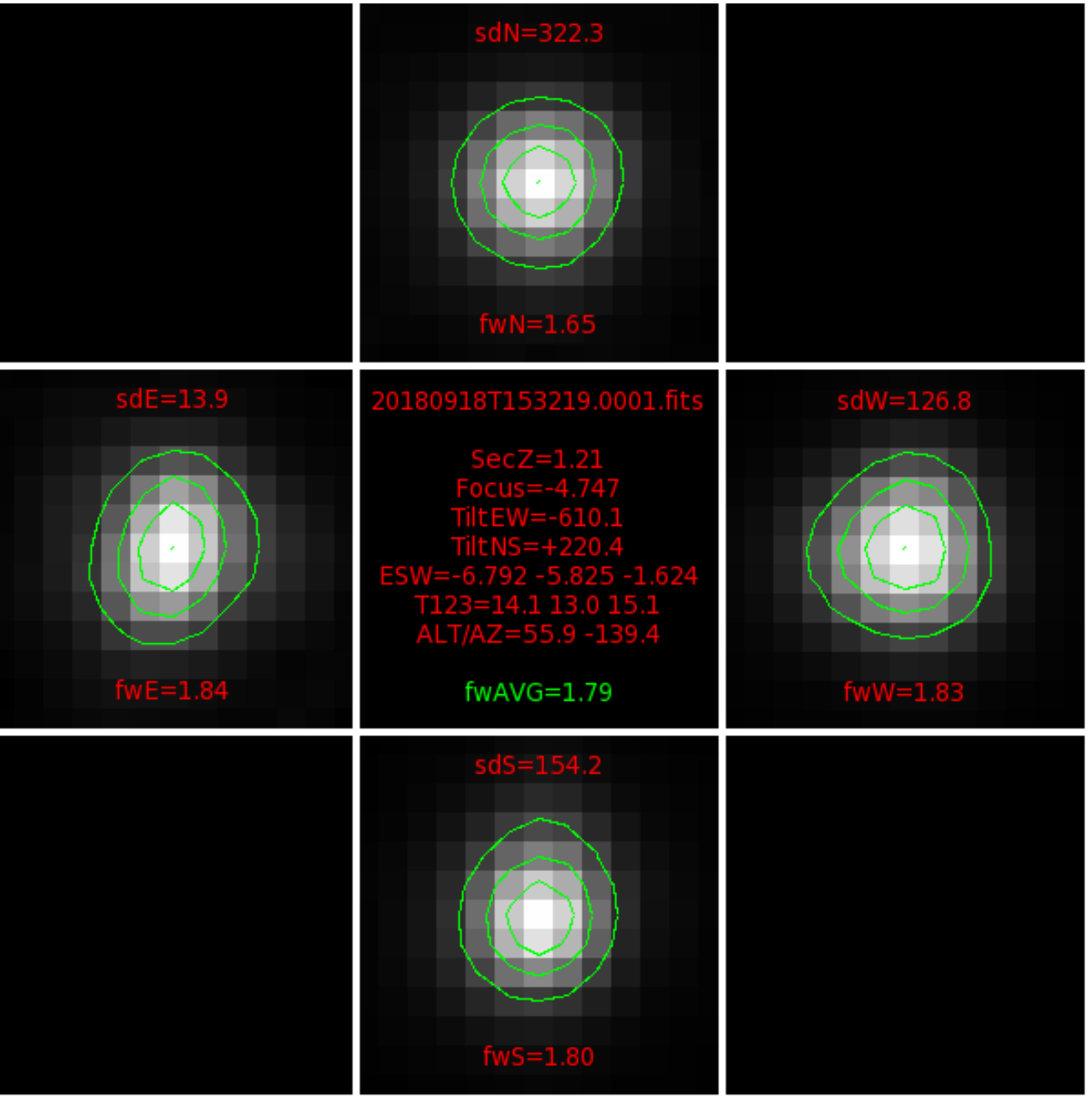
sdN=322.3
fwN=1.65
sdE=13.9
fwE=1.84
20180918T153219.0001.fits
SecZ=1.21
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.0 15.1
ALT/AZ=55.9 -139.4
fwAVG=1.79
sdW=126.8
fwW=1.83
sdS=154.2
fwS=1.80
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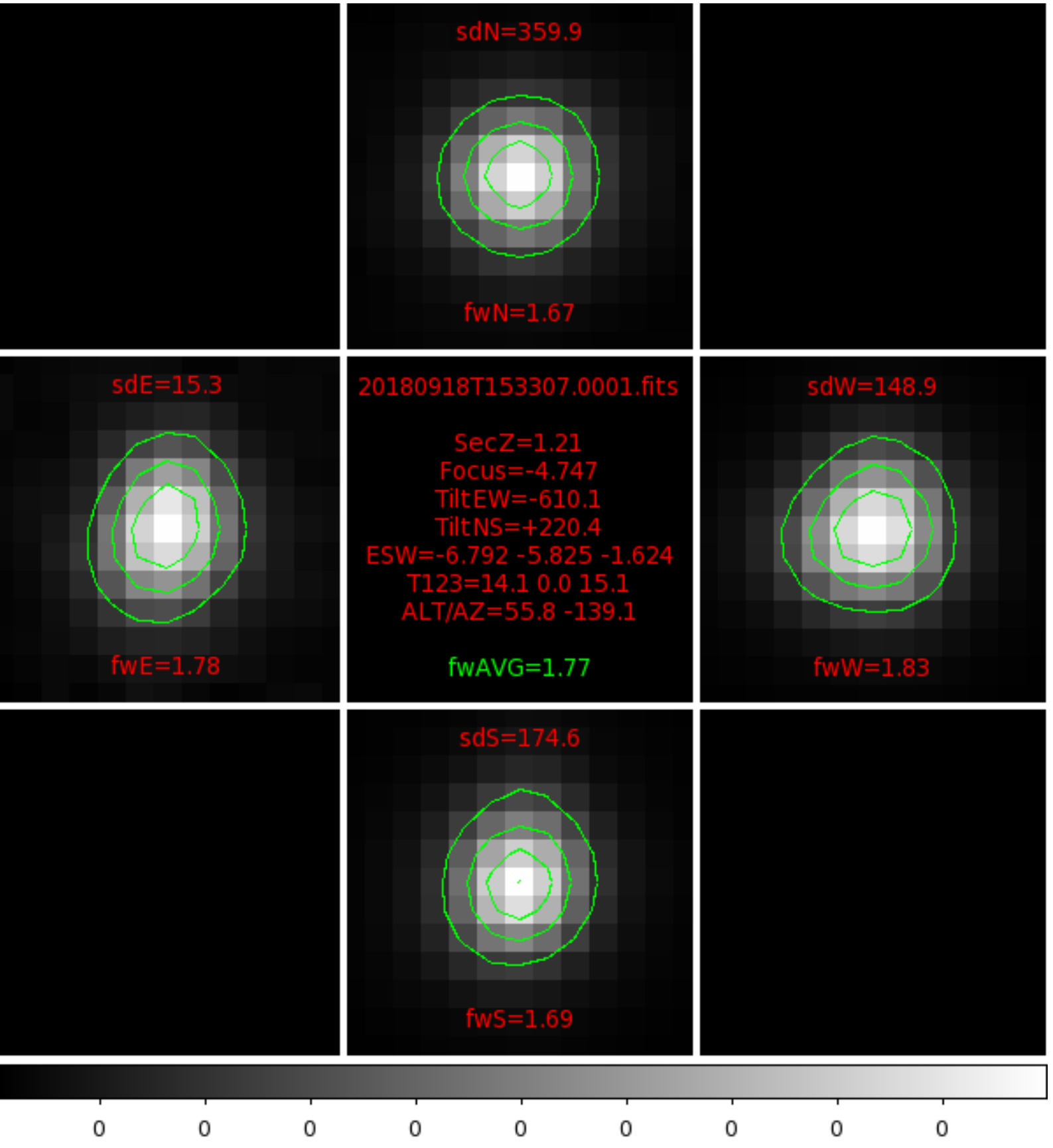
sdN=359.9
fwN=1.67
sdE=15.3
fwE=1.78
20180918T153307.0001.fits
SecZ=1.21
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 0.0 15.1
ALT/AZ=55.8 -139.1
fwAVG=1.77
sdW=148.9
fwW=1.83
sdS=174.6
fwS=1.69
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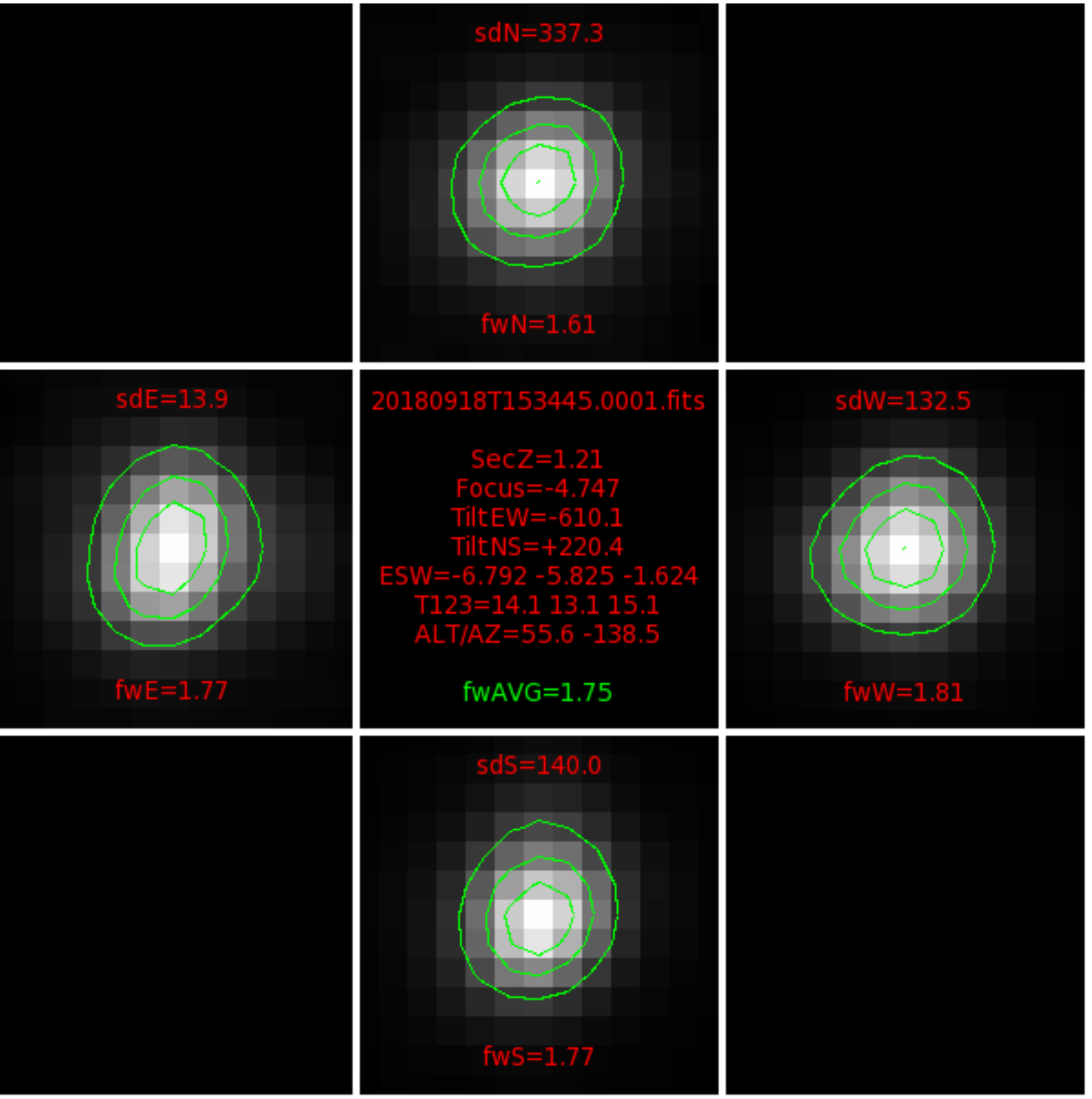
sdN=337.3
fwN=1.61
sdE=13.9
fwE=1.77
20180918T153445.0001.fits
SecZ=1.21
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=55.6 -138.5
fwAVG=1.75
sdW=132.5
fwW=1.81
sdS=140.0
fwS=1.77
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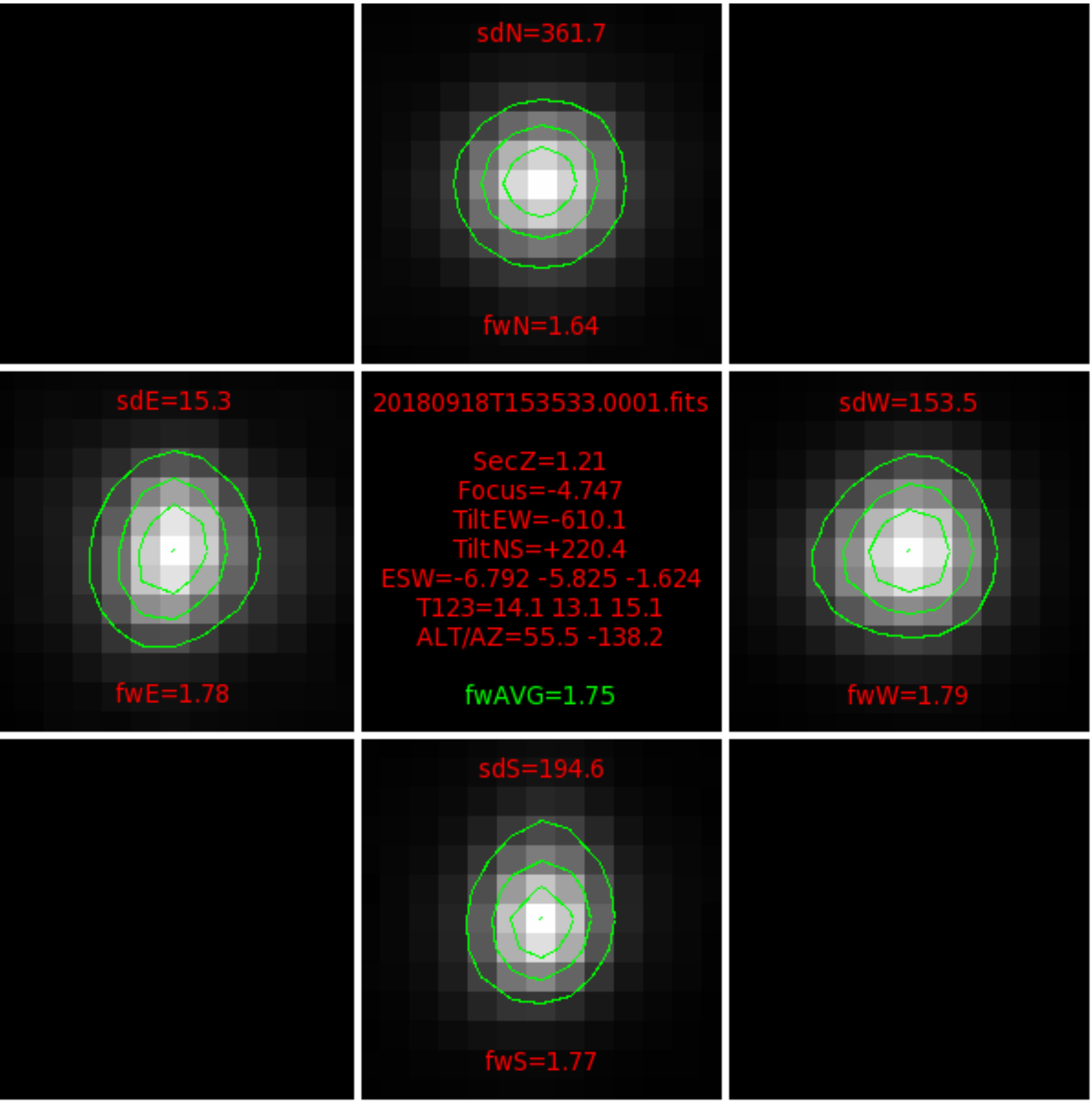
sdN=361.7
fwN=1.64
sdE=15.3
fwE=1.78
20180918T153533.0001.fits
SecZ=1.21
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=55.5 -138.2
fwAVG=1.75
sdW=153.5
fwW=1.79
sdS=194.6
fwS=1.77
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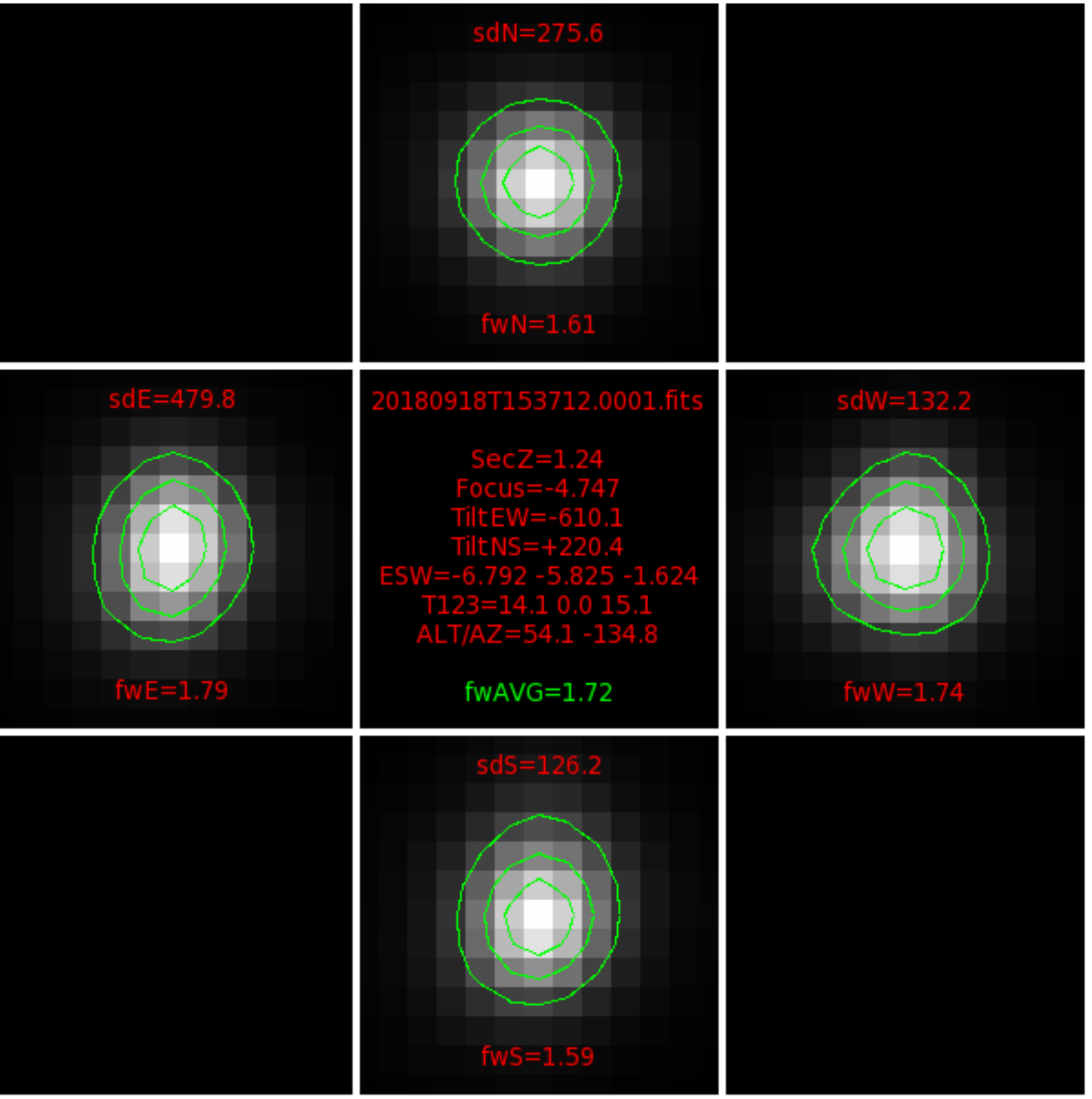
sdN=275.6
fwN=1.61
sdE=479.8
fwE=1.79
20180918T153712.0001.fits
SecZ=1.24
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 0.0 15.1
ALT/AZ=54.1 -134.8
fwAVG=1.72
sdW=132.2
fwW=1.74
sdS=126.2
fwS=1.59
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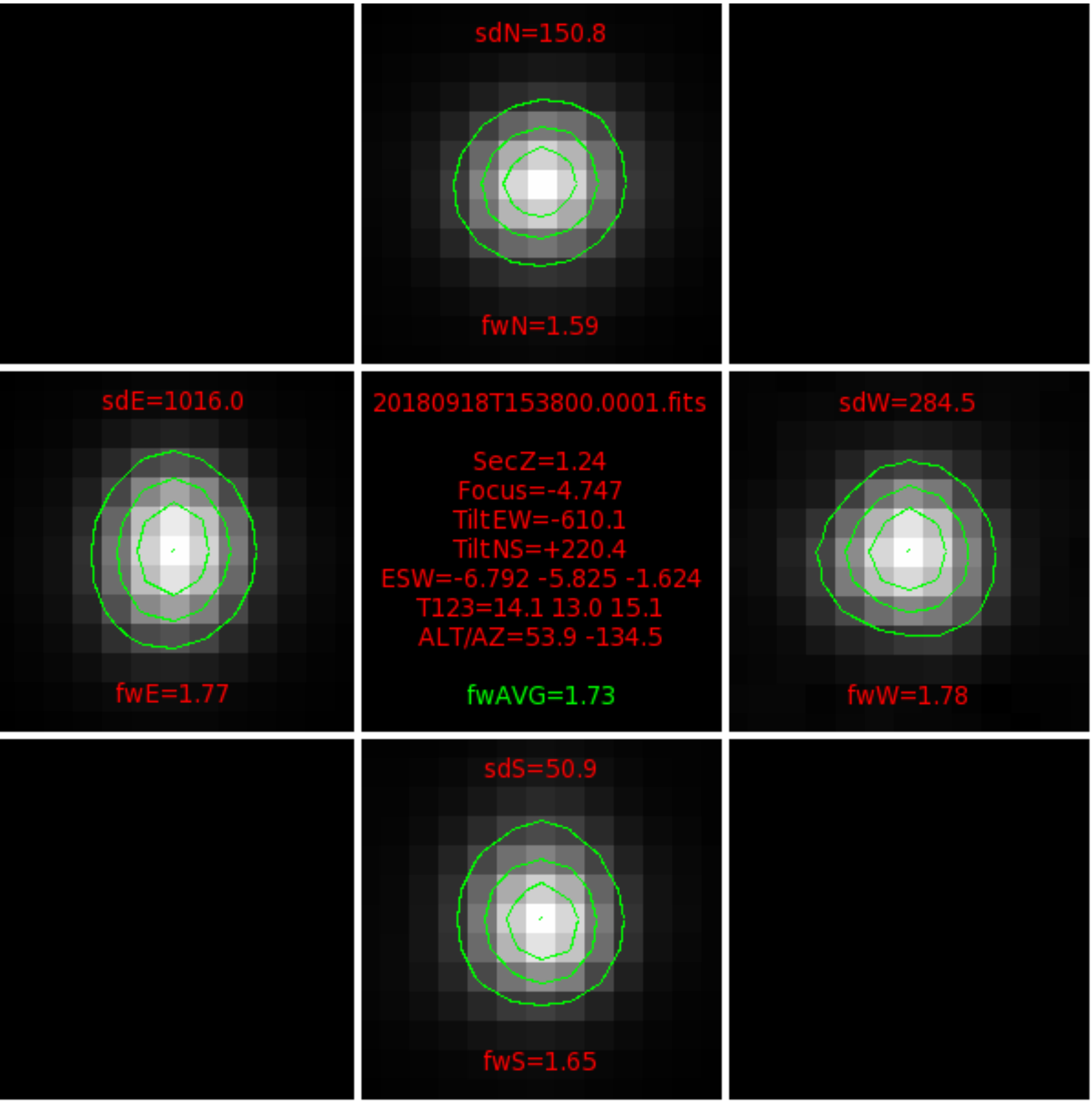
sdN=150.8
fwN=1.59
sdE=1016.0
fwE=1.77
20180918T153800.0001.fits
SecZ=1.24
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.0 15.1
ALT/AZ=53.9 -134.5
fwAVG=1.73
sdW=284.5
fwW=1.78
sdS=50.9
fwS=1.65
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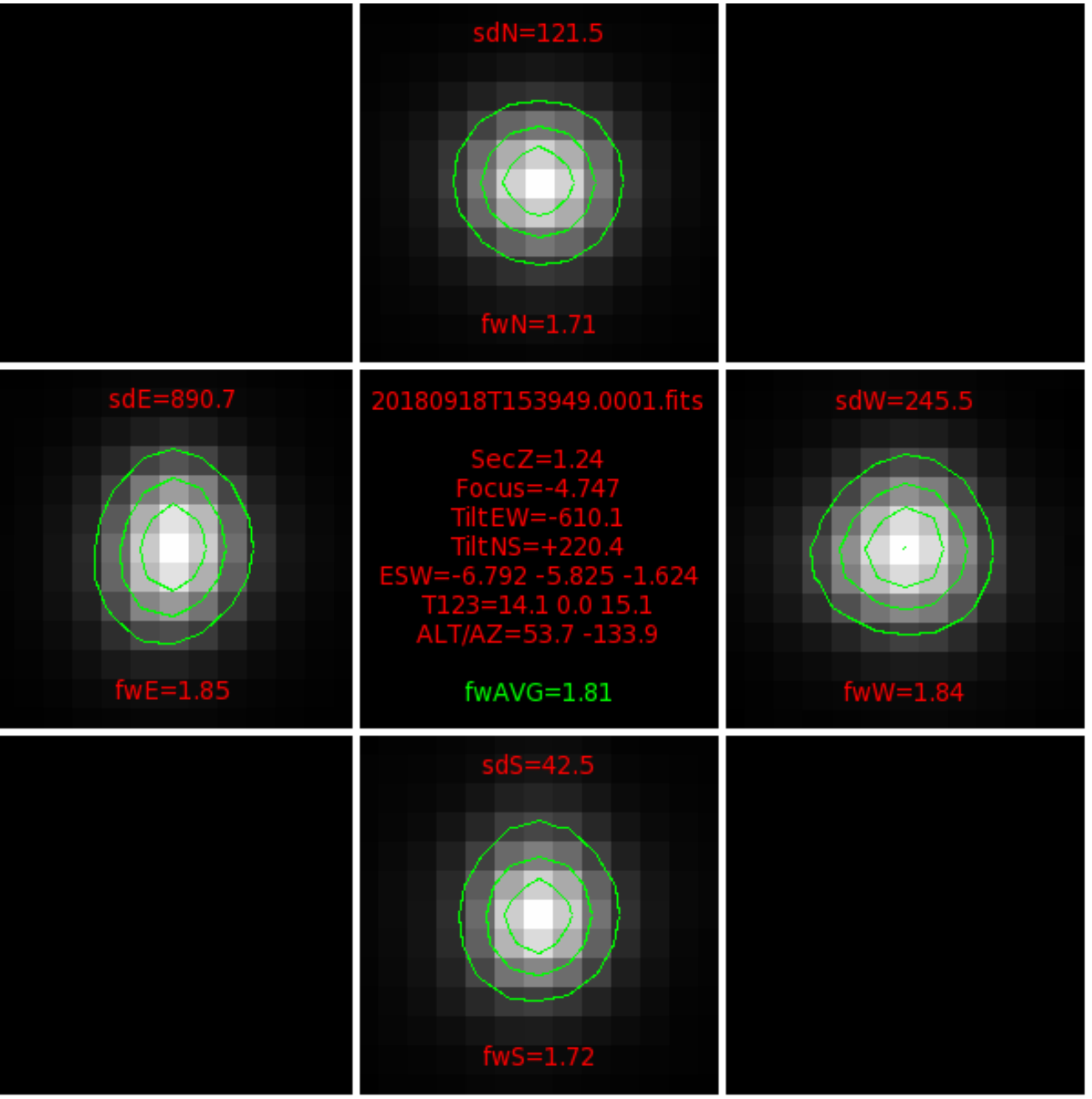
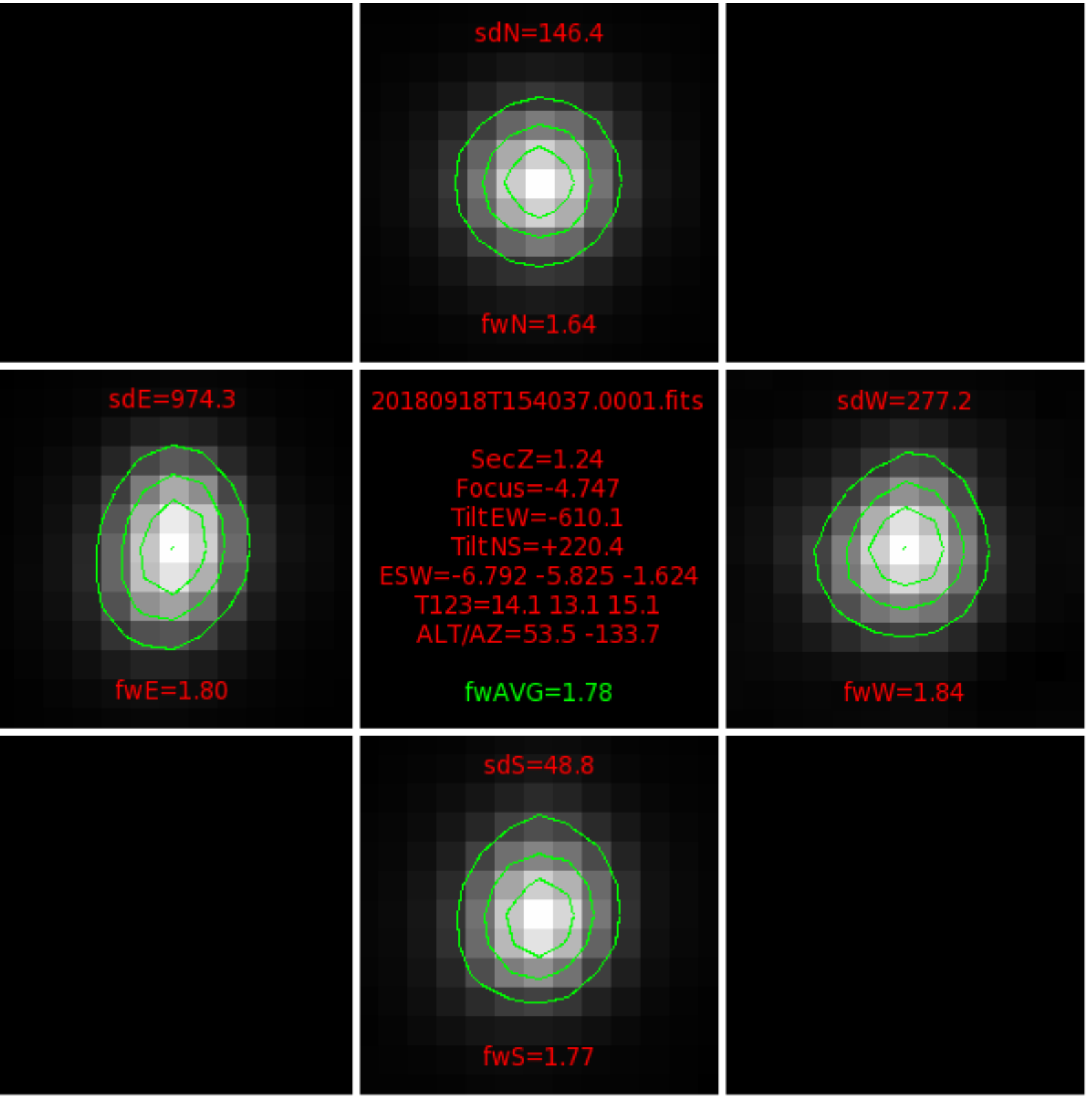
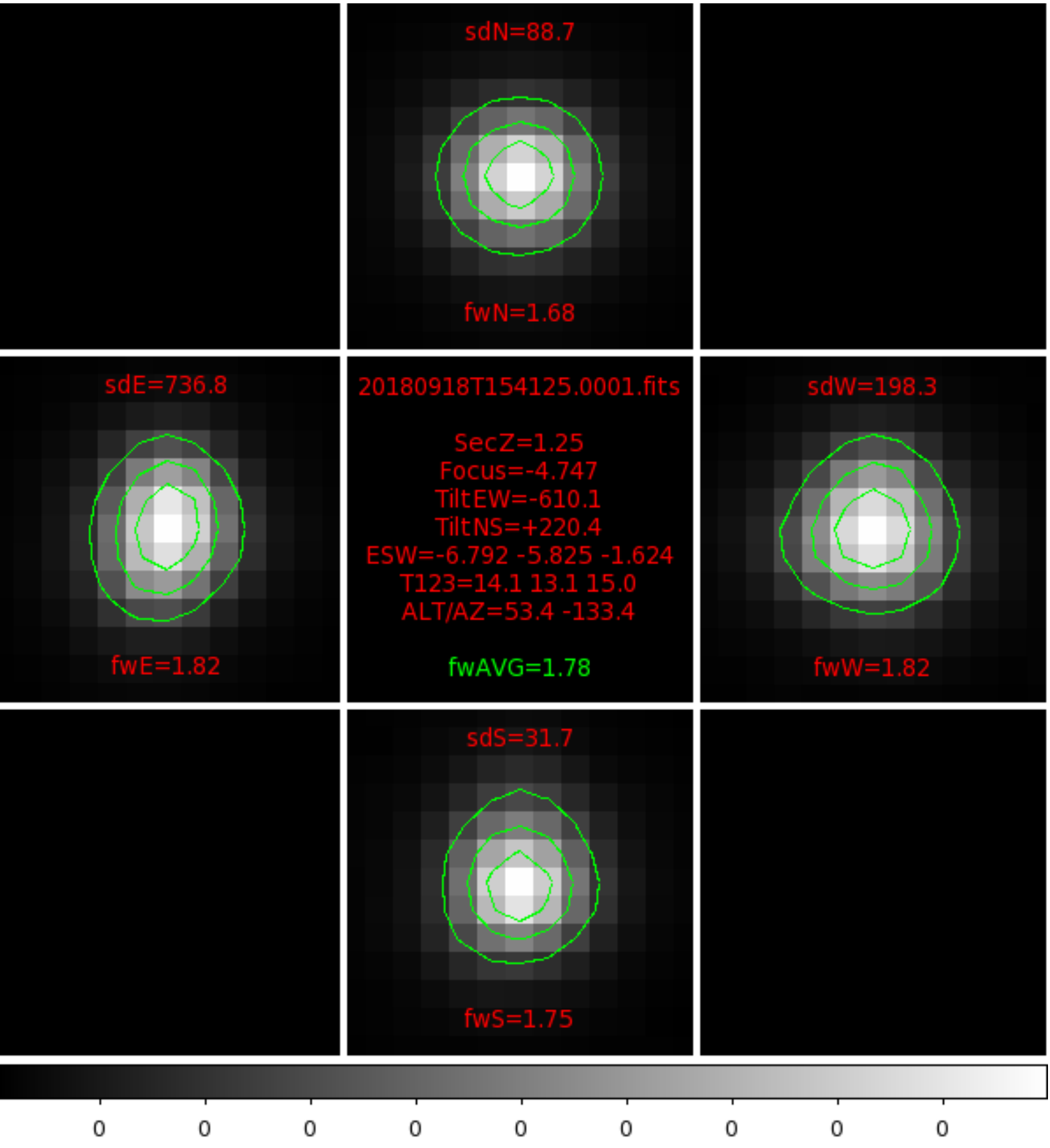

sdN=121.5
fwN=1.71
sdE=890.7
fwE=1.85
20180918T153949.0001.fits
SecZ=1.24
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 0.0 15.1
ALT/AZ=53.7 -133.9
fwAVG=1.81
sdW=245.5
fwW=1.84
sdS=42.5
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=146.4
fwN=1.64
sdE=974.3
fwE=1.80
20180918T154037.0001.fits
SecZ=1.24
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.1
ALT/AZ=53.5 -133.7
fwAVG=1.78
sdW=277.2
fwW=1.84
sdS=48.8
fwS=1.77
0 0 0 0 0 0 0 0 0


sdN=88.7
fwN=1.68
sdE=736.8
fwE=1.82
20180918T154125.0001.fits
SecZ=1.25
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.1 15.0
ALT/AZ=53.4 -133.4
fwAVG=1.78
sdW=198.3
fwW=1.82
sdS=31.7
fwS=1.75
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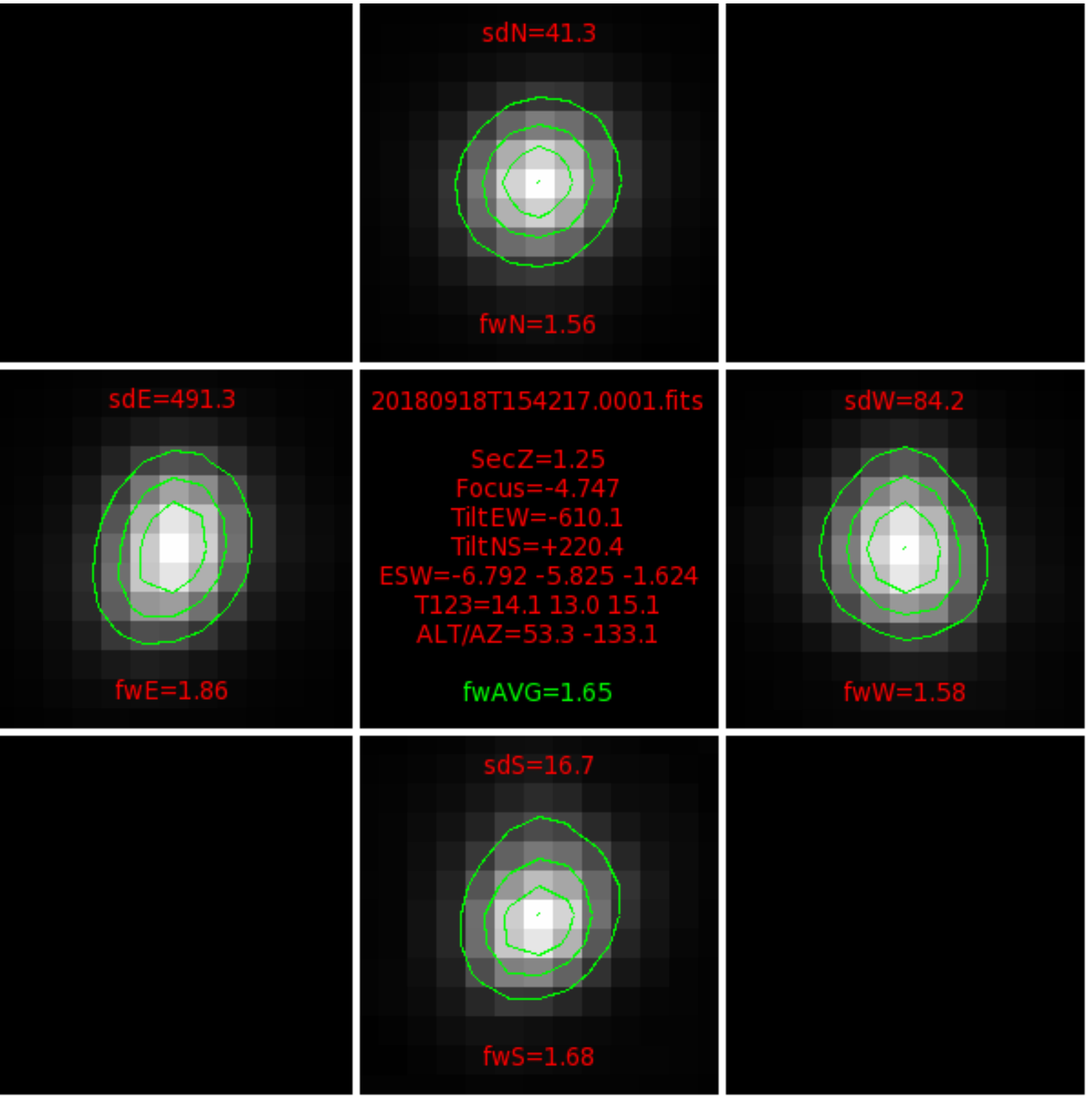
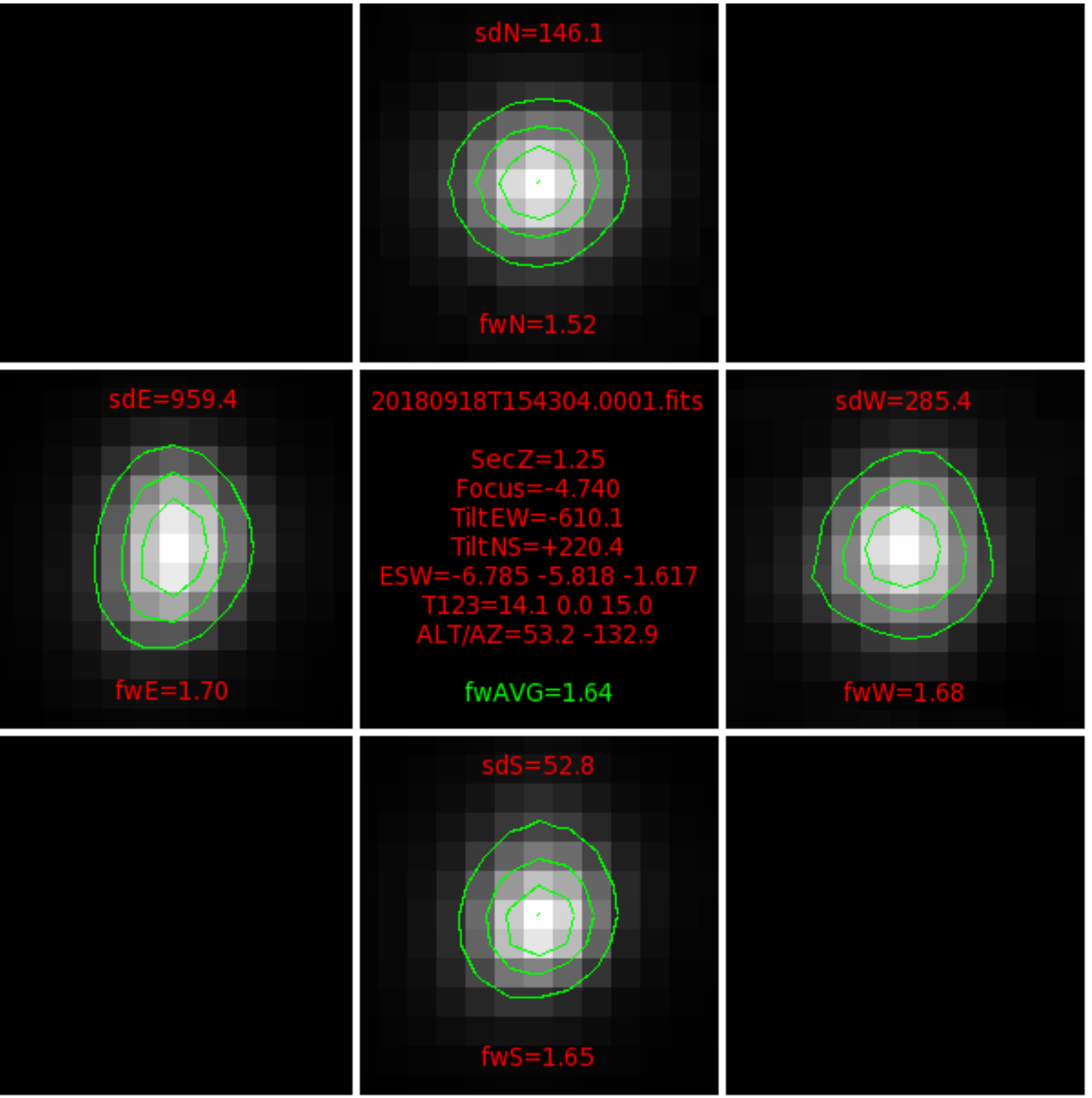
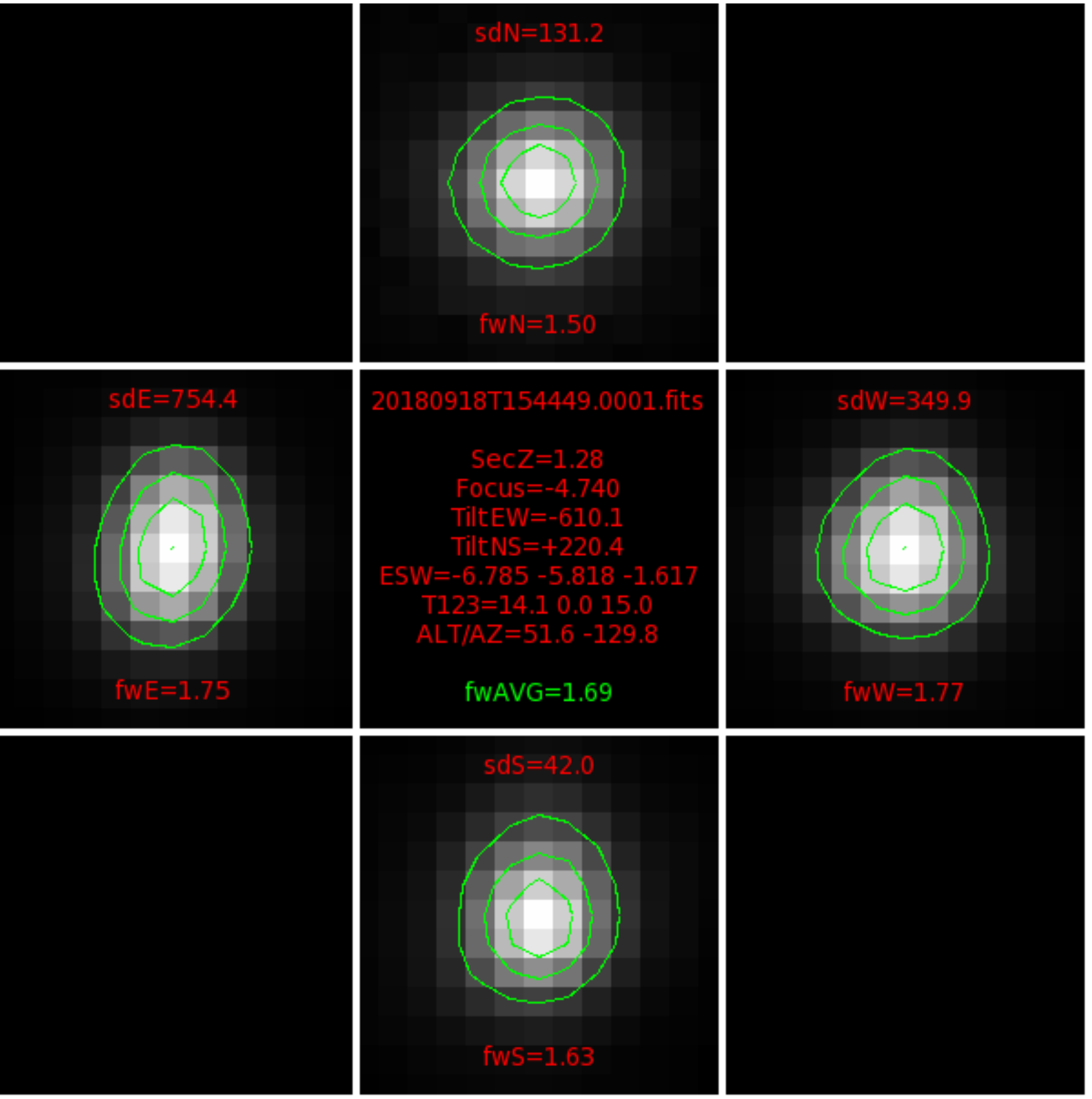

sdN=41.3
fwN=1.56
sdE=491.3
fwE=1.86
20180918T154217.0001.fits
SecZ=1.25
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=14.1 13.0 15.1
ALT/AZ=53.3 -133.1
fwAVG=1.65
sdW=84.2
fwW=1.58
sdS=16.7
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=146.1
fwN=1.52
sdE=959.4
fwE=1.70
20180918T154304.0001.fits
SecZ=1.25
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.1 0.0 15.0
ALT/AZ=53.2 -132.9
fwAVG=1.64
sdW=285.4
fwW=1.68
sdS=52.8
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=131.2
fwN=1.50
sdE=754.4
fwE=1.75
20180918T154449.0001.fits
SecZ=1.28
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.1 0.0 15.0
ALT/AZ=51.6 -129.8
fwAVG=1.69
sdW=349.9
fwW=1.77
sdS=42.0
fwS=1.63
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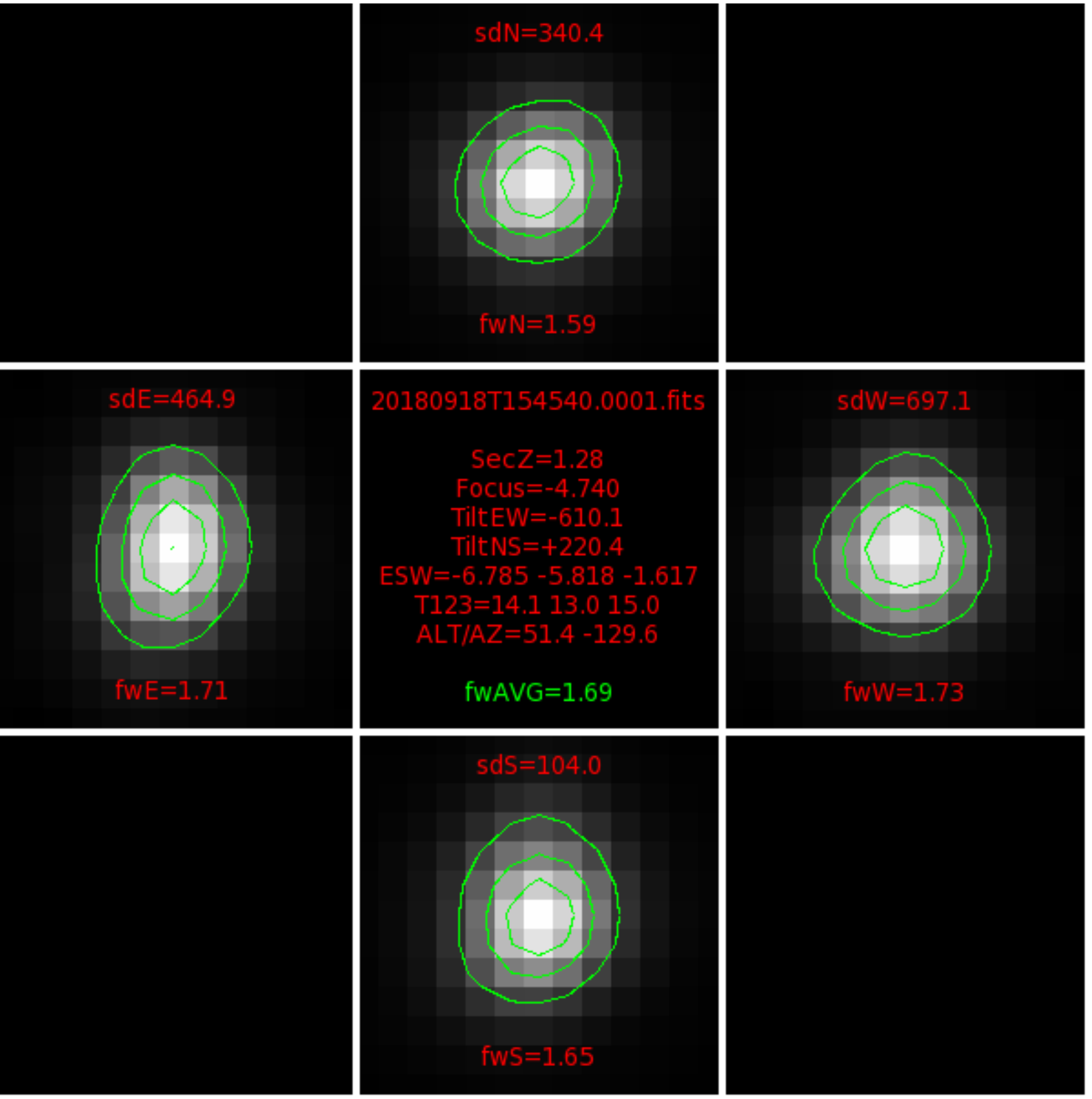
sdN=340.4
fwN=1.59
sdE=464.9
fwE=1.71
20180918T154540.0001.fits
SecZ=1.28
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.1 13.0 15.0
ALT/AZ=51.4 -129.6
fwAVG=1.69
sdW=697.1
fwW=1.73
sdS=104.0
fwS=1.65
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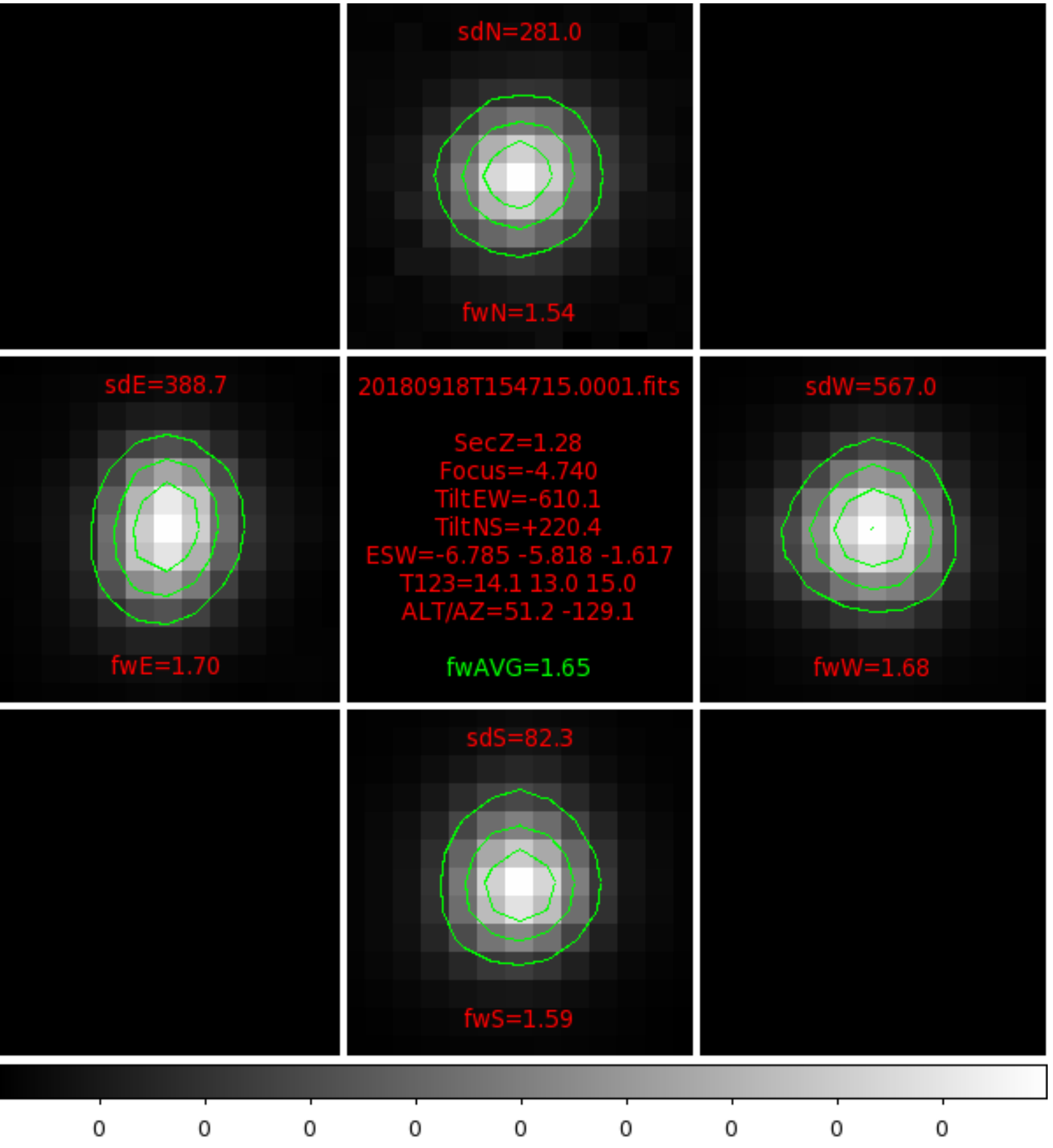
sdN=281.0
fwN=1.54
sdE=388.7
fwE=1.70
20180918T154715.0001.fits
SecZ=1.28
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.1 13.0 15.0
ALT/AZ=51.2 -129.1
fwAVG=1.65
sdW=567.0
fwW=1.68
sdS=82.3
fwS=1.59
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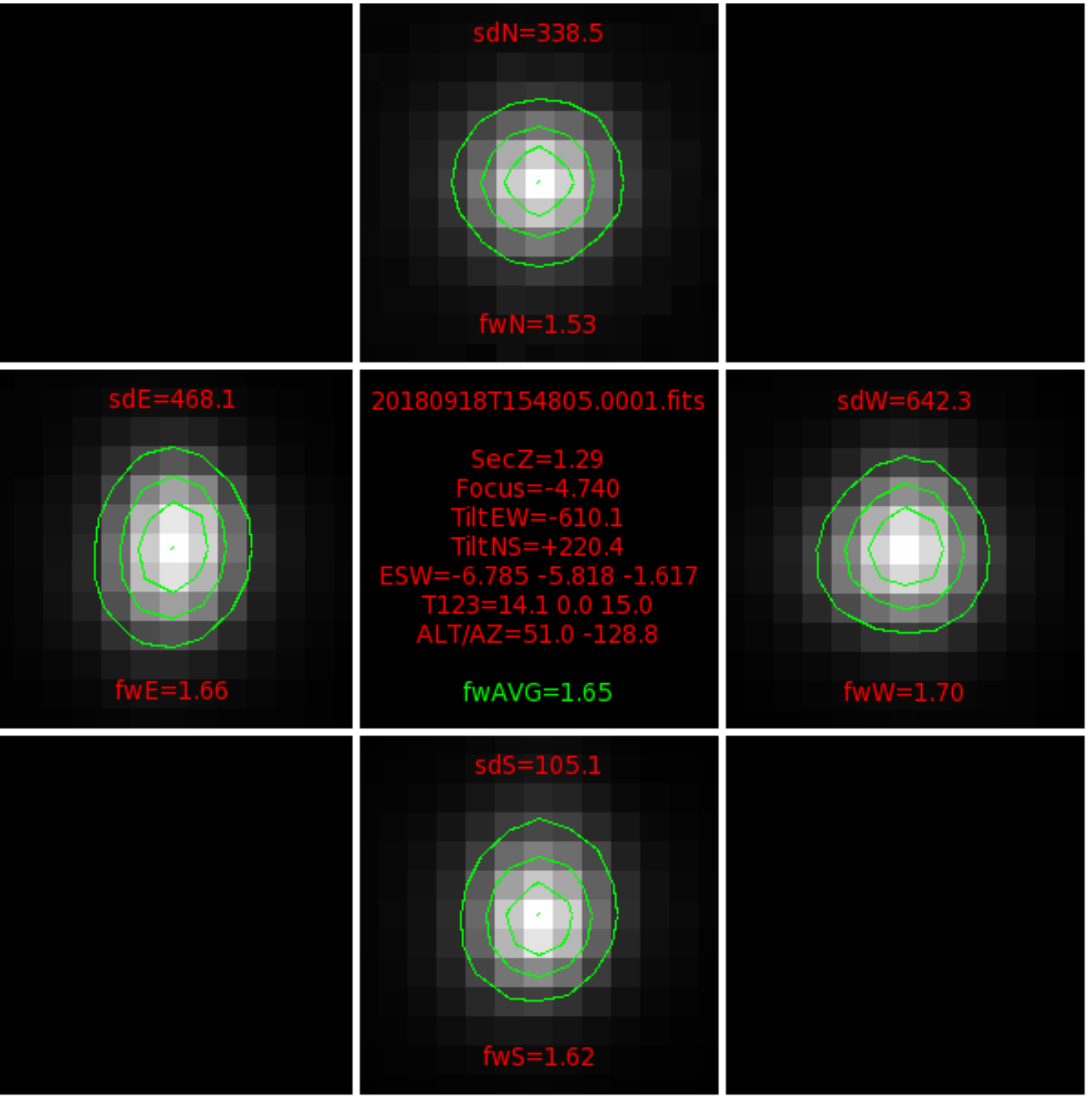
sdN=338.5
fwN=1.53
sdE=468.1
fwE=1.66
20180918T154805.0001.fits
SecZ=1.29
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.1 0.0 15.0
ALT/AZ=51.0 -128.8
fwAVG=1.65
sdW=642.3
fwW=1.70
sdS=105.1
fwS=1.62
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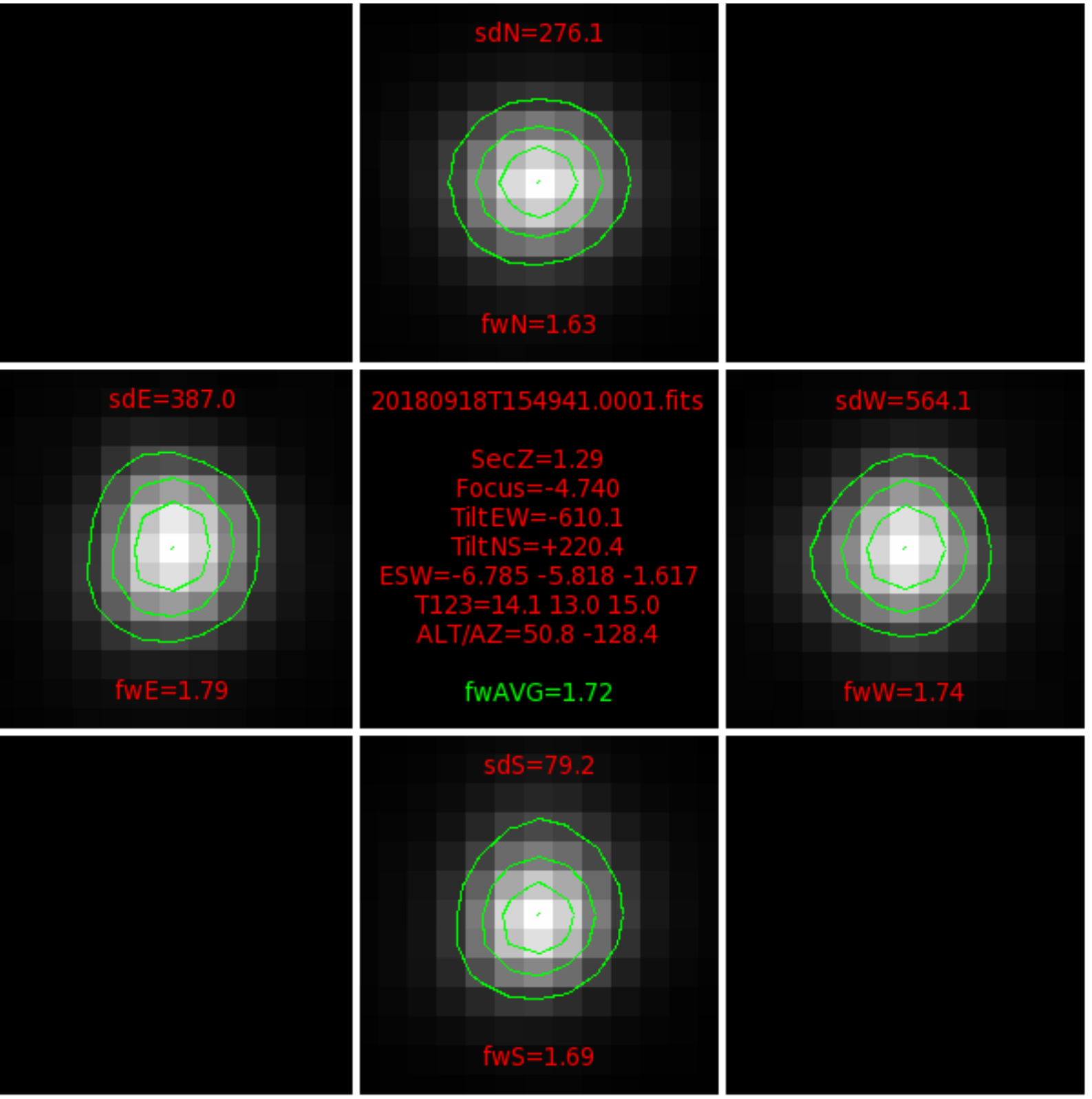
sdN=276.1
fwN=1.63
sdE=387.0
fwE=1.79
20180918T154941.0001.fits
SecZ=1.29
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.1 13.0 15.0
ALT/AZ=50.8 -128.4
fwAVG=1.72
sdW=564.1
fwW=1.74
sdS=79.2
fwS=1.69
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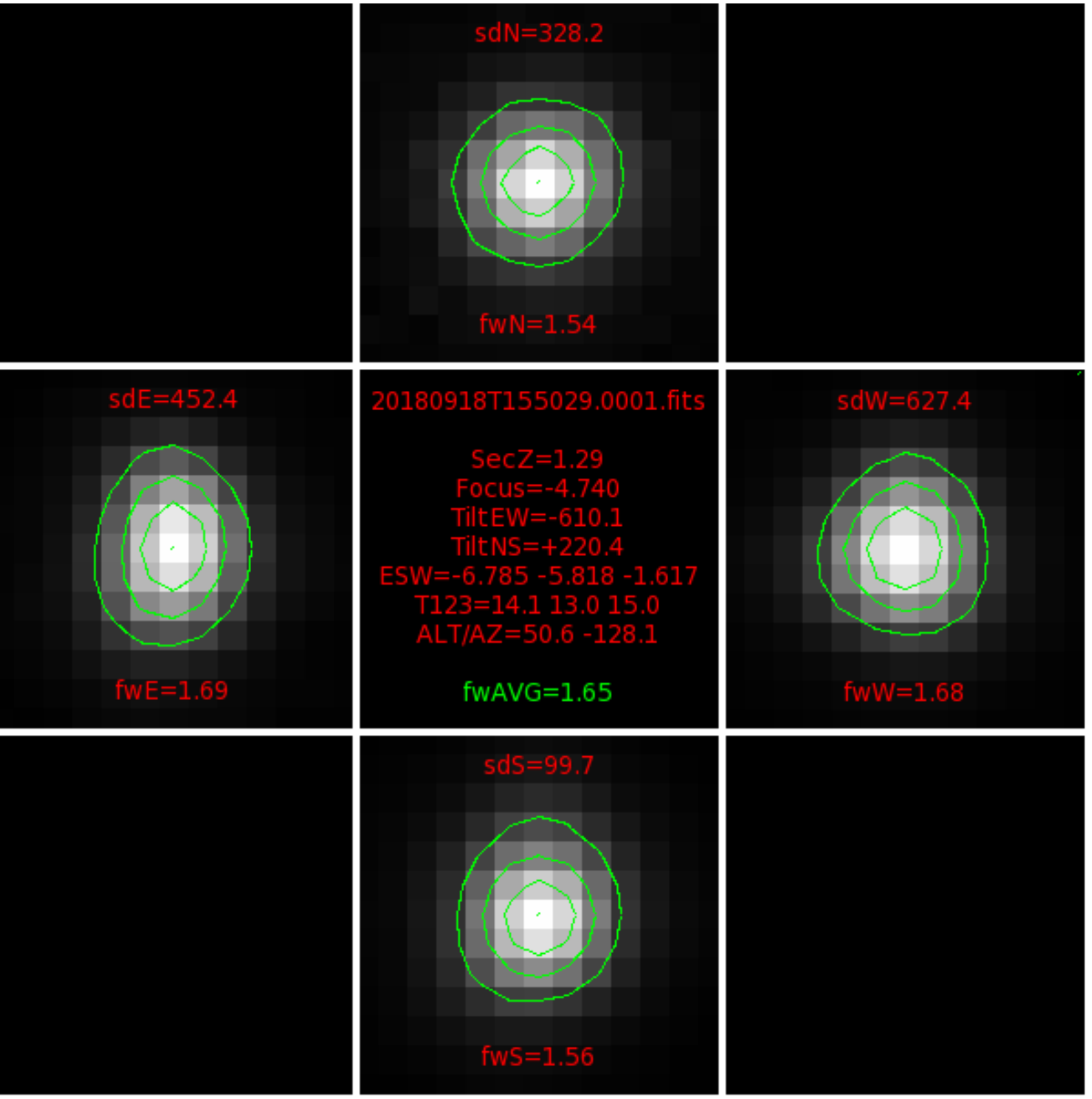
sdN=328.2
fwN=1.54
sdE=452.4
fwE=1.69
20180918T155029.0001.fits
SecZ=1.29
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.1 13.0 15.0
ALT/AZ=50.6 -128.1
fwAVG=1.65
sdW=627.4
fwW=1.68
sdS=99.7
fwS=1.56
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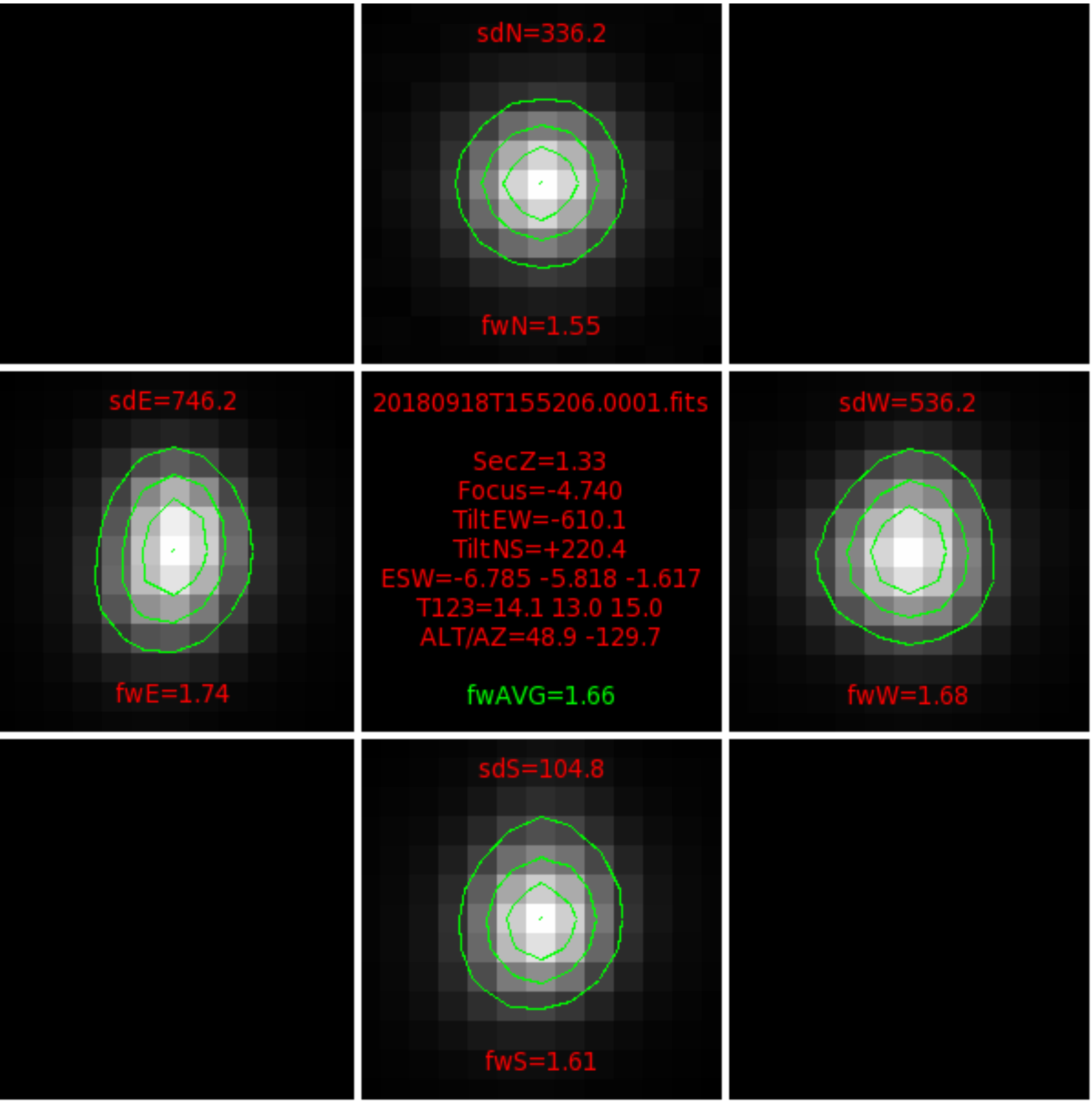
sdN=336.2
fwN=1.55
sdE=746.2
fwE=1.74
20180918T155206.0001.fits
SecZ=1.33
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.1 13.0 15.0
ALT/AZ=48.9 -129.7
fwAVG=1.66
sdW=536.2
fwW=1.68
sdS=104.8
fwS=1.61
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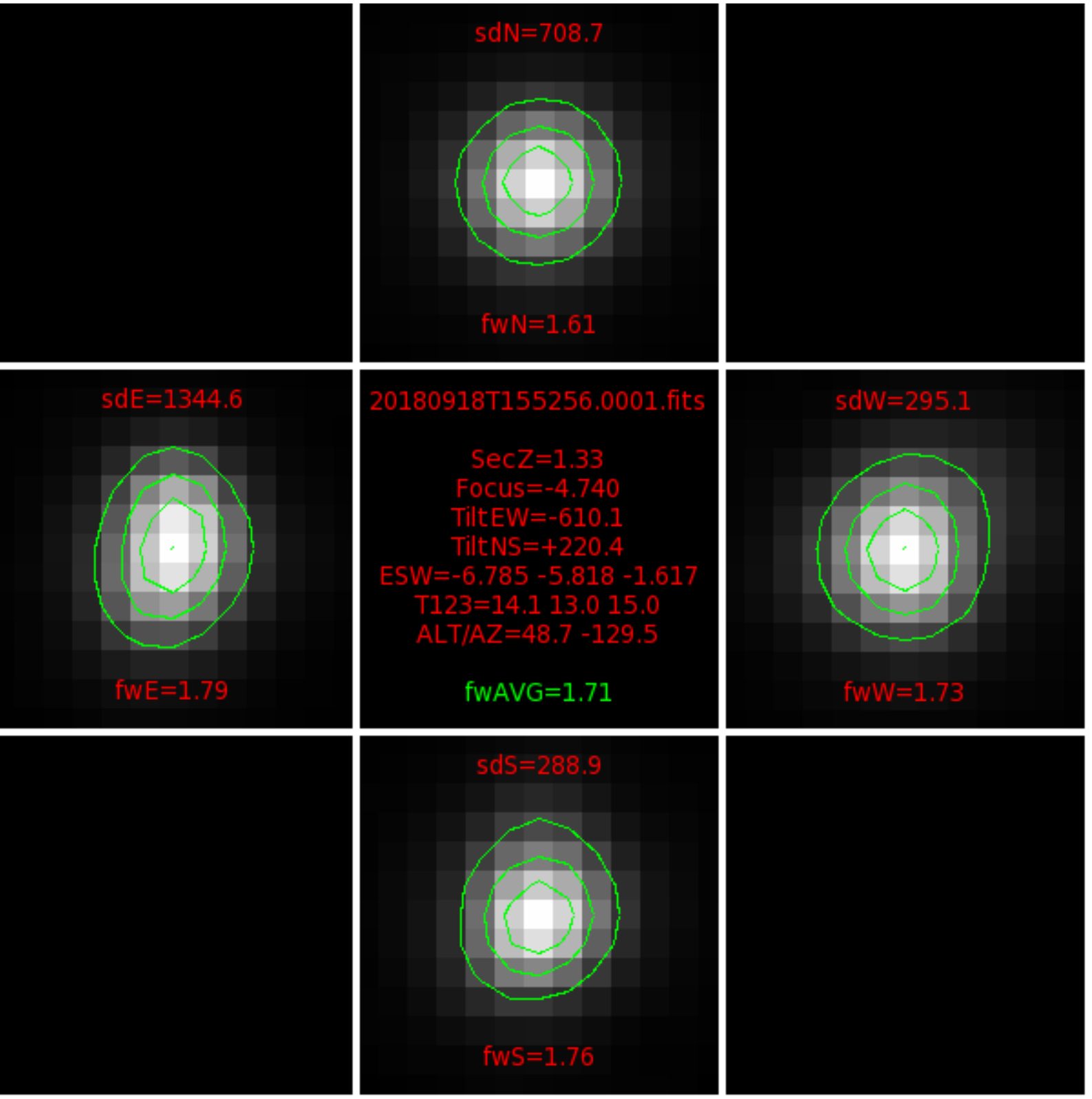
sdN=708.7
fwN=1.61
sdE=1344.6
fwE=1.79
20180918T155256.0001.fits
SecZ=1.33
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.1 13.0 15.0
ALT/AZ=48.7 -129.5
fwAVG=1.71
sdW=295.1
fwW=1.73
sdS=288.9
fwS=1.76
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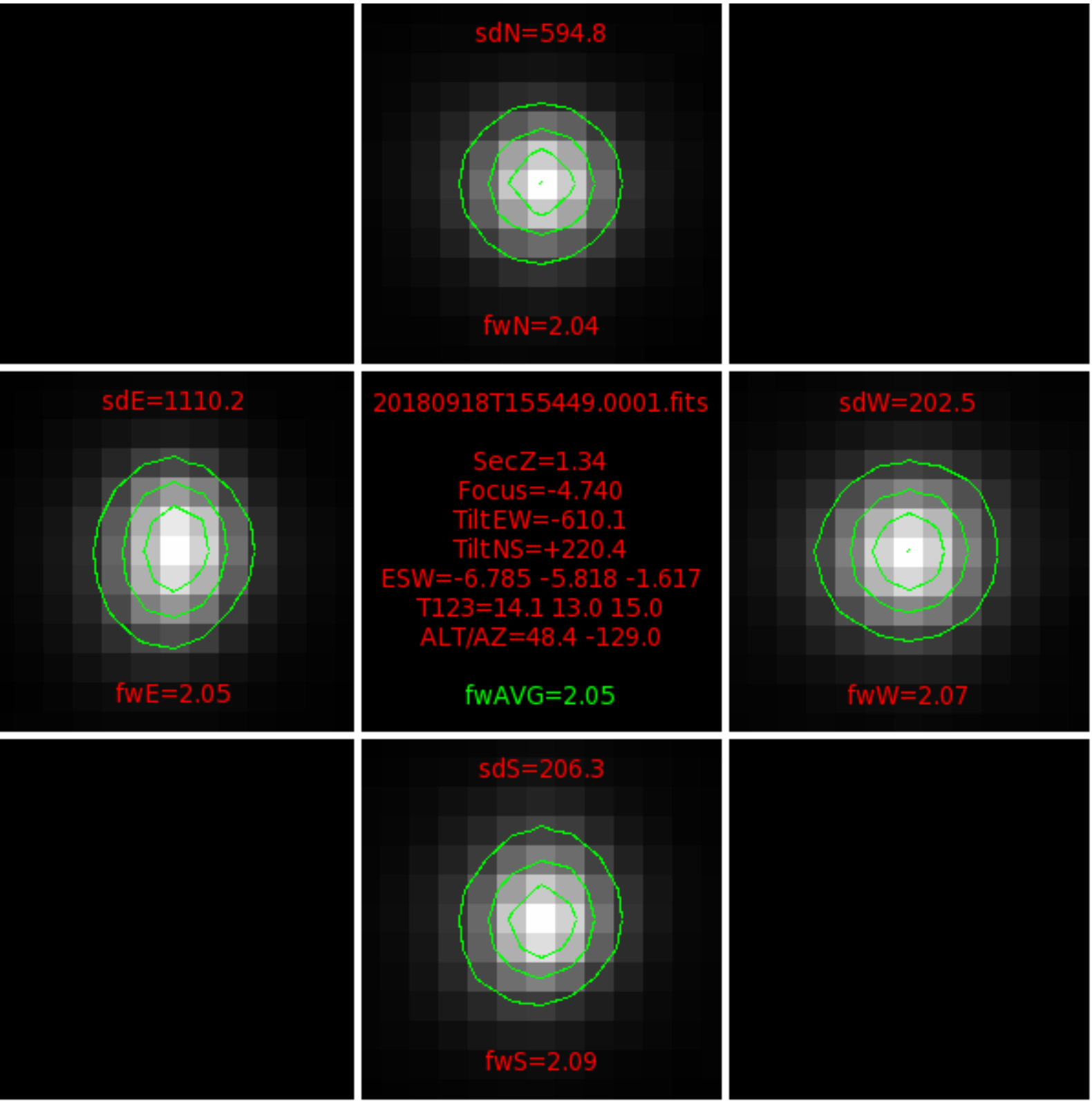
sdN=594.8
fwN=2.04
sdE=1110.2
fwE=2.05
20180918T155449.0001.fits
SecZ=1.34
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.1 13.0 15.0
ALT/AZ=48.4 -129.0
fwAVG=2.05
sdW=202.5
fwW=2.07
sdS=206.3
fwS=2.09
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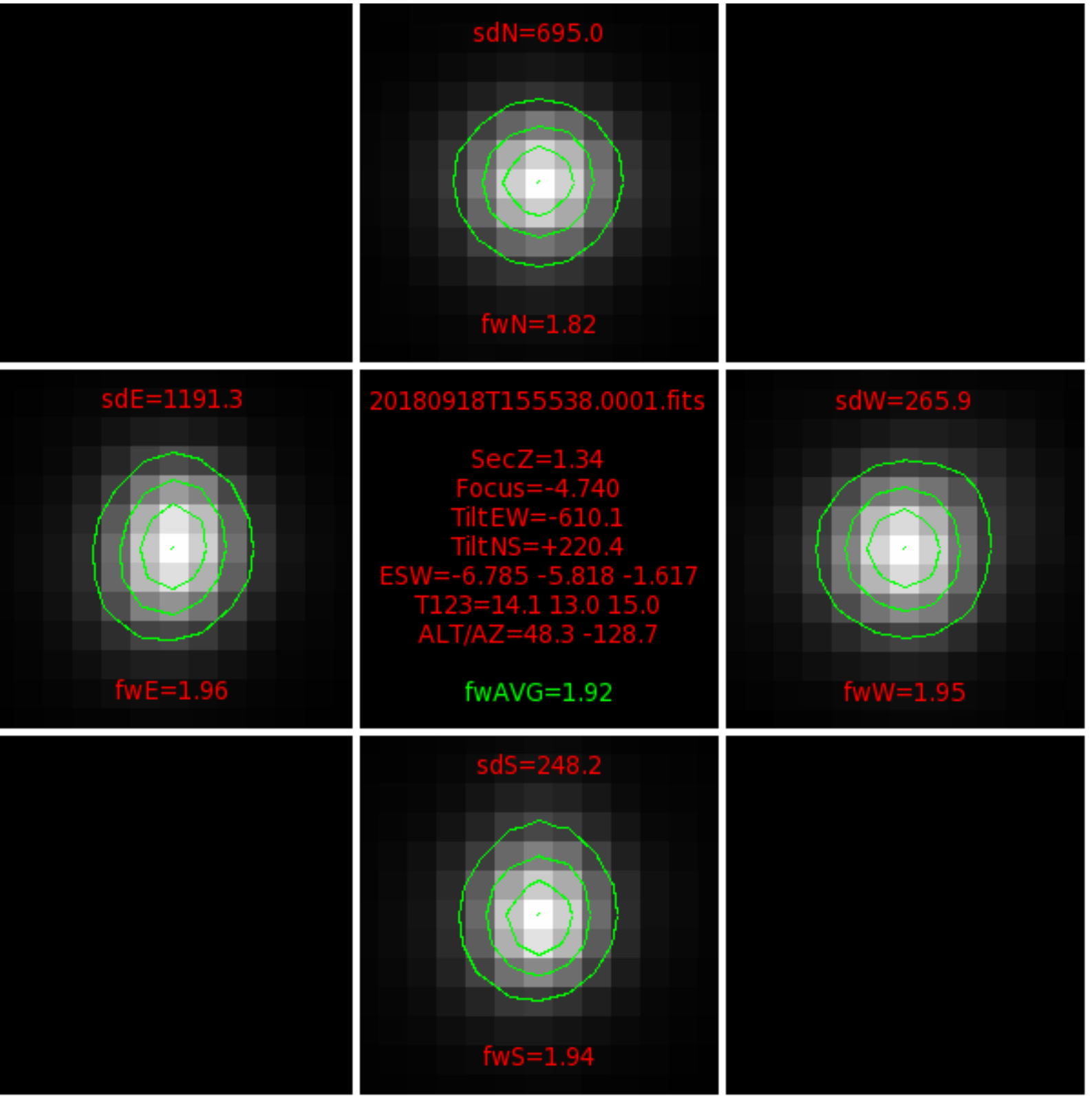
sdN=695.0
fwN=1.82
sdE=1191.3
fwE=1.96
20180918T155538.0001.fits
SecZ=1.34
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.1 13.0 15.0
ALT/AZ=48.3 -128.7
fwAVG=1.92
sdW=265.9
fwW=1.95
sdS=248.2
fwS=1.94
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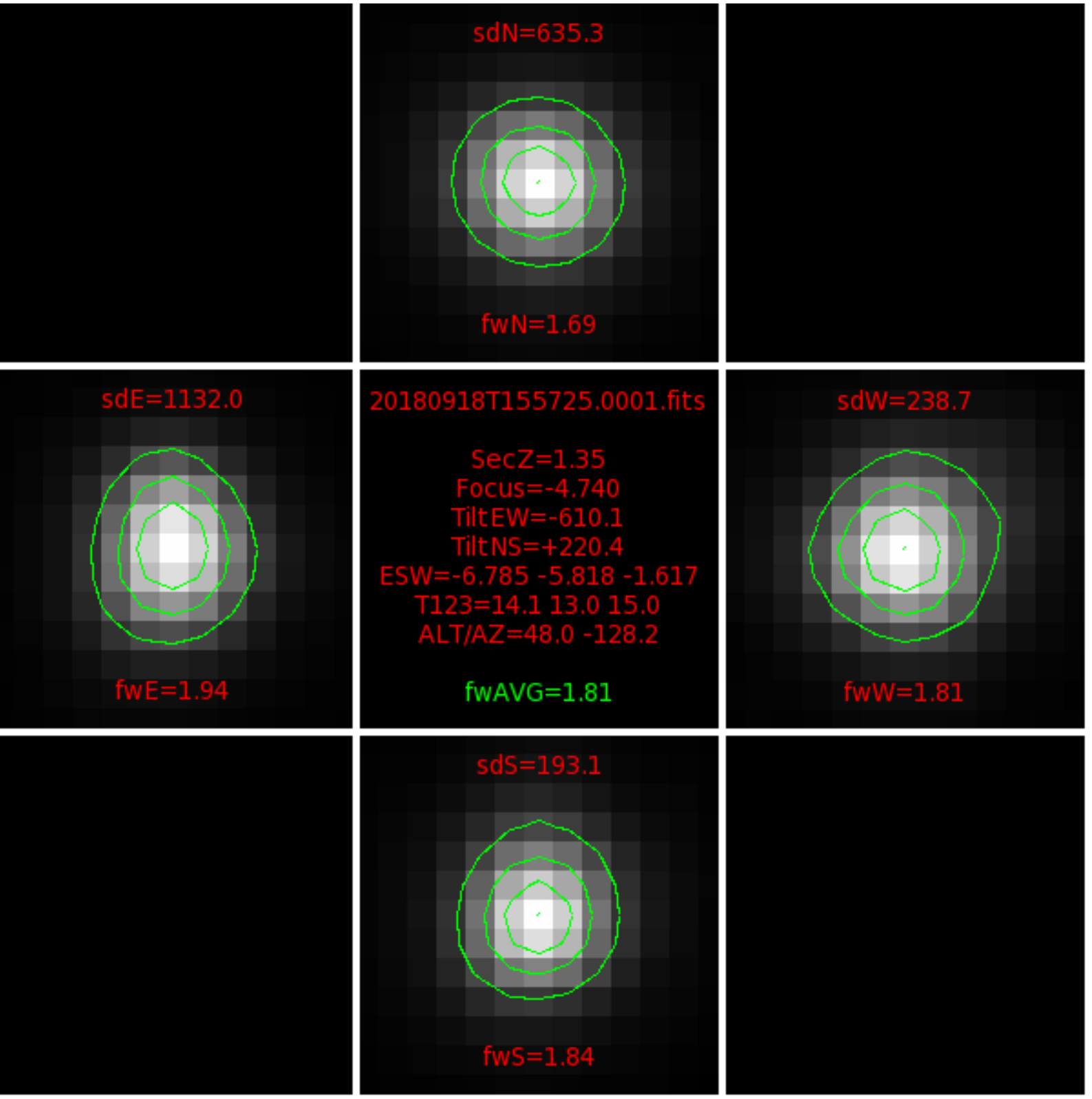
sdN=635.3
fwN=1.69
sdE=1132.0
fwE=1.94
20180918T155725.0001.fits
SecZ=1.35
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.1 13.0 15.0
ALT/AZ=48.0 -128.2
fwAVG=1.81
sdW=238.7
fwW=1.81
sdS=193.1
fwS=1.84
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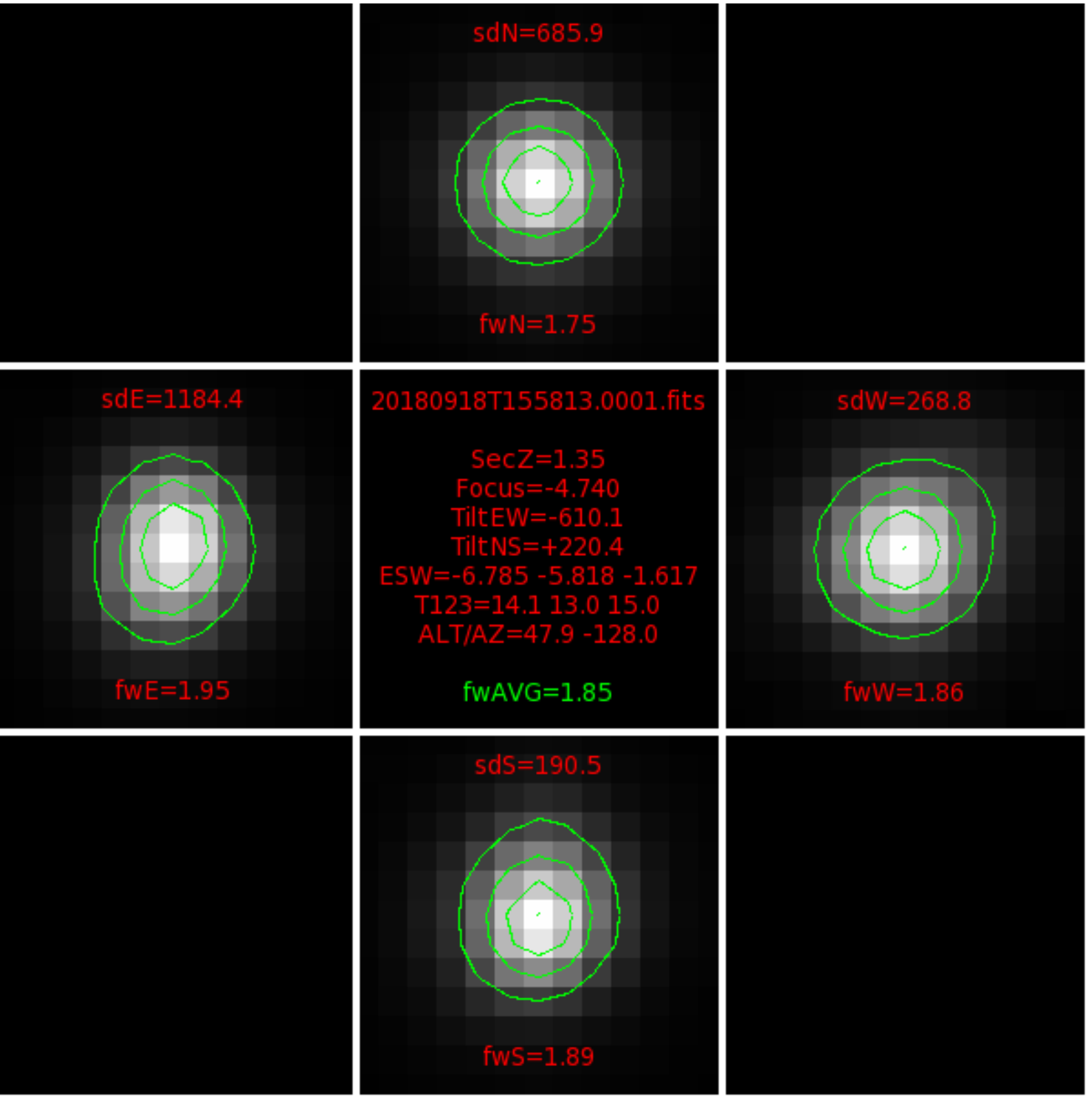
sdN=685.9
fwN=1.75
sdE=1184.4
fwE=1.95
20180918T155813.0001.fits
SecZ=1.35
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.1 13.0 15.0
ALT/AZ=47.9 -128.0
fwAVG=1.85
sdW=268.8
fwW=1.86
sdS=190.5
fwS=1.89
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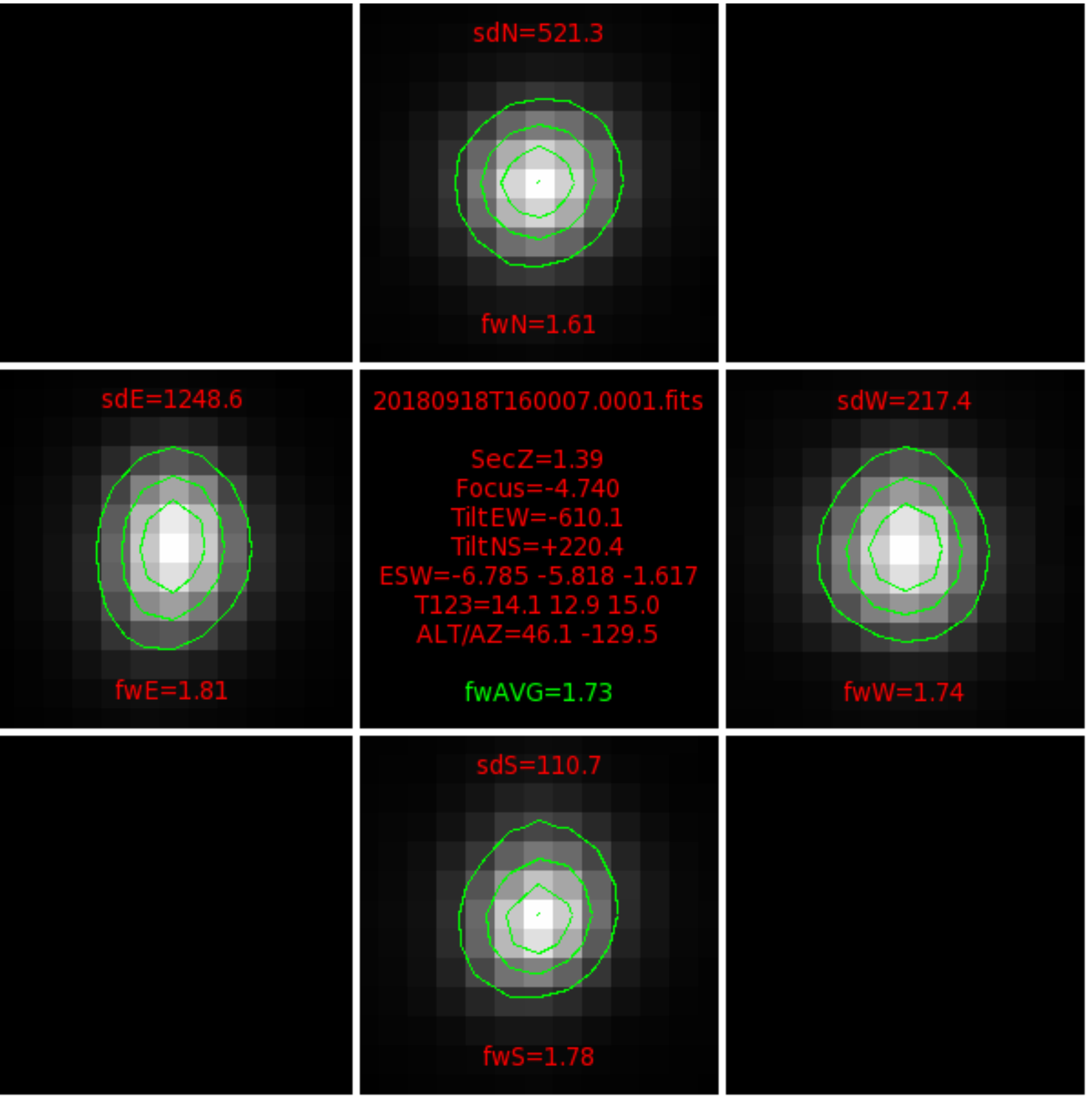
sdN=521.3
fwN=1.61
sdE=1248.6
fwE=1.81
20180918T160007.0001.fits
SecZ=1.39
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.1 12.9 15.0
ALT/AZ=46.1 -129.5
fwAVG=1.73
sdW=217.4
fwW=1.74
sdS=110.7
fwS=1.78
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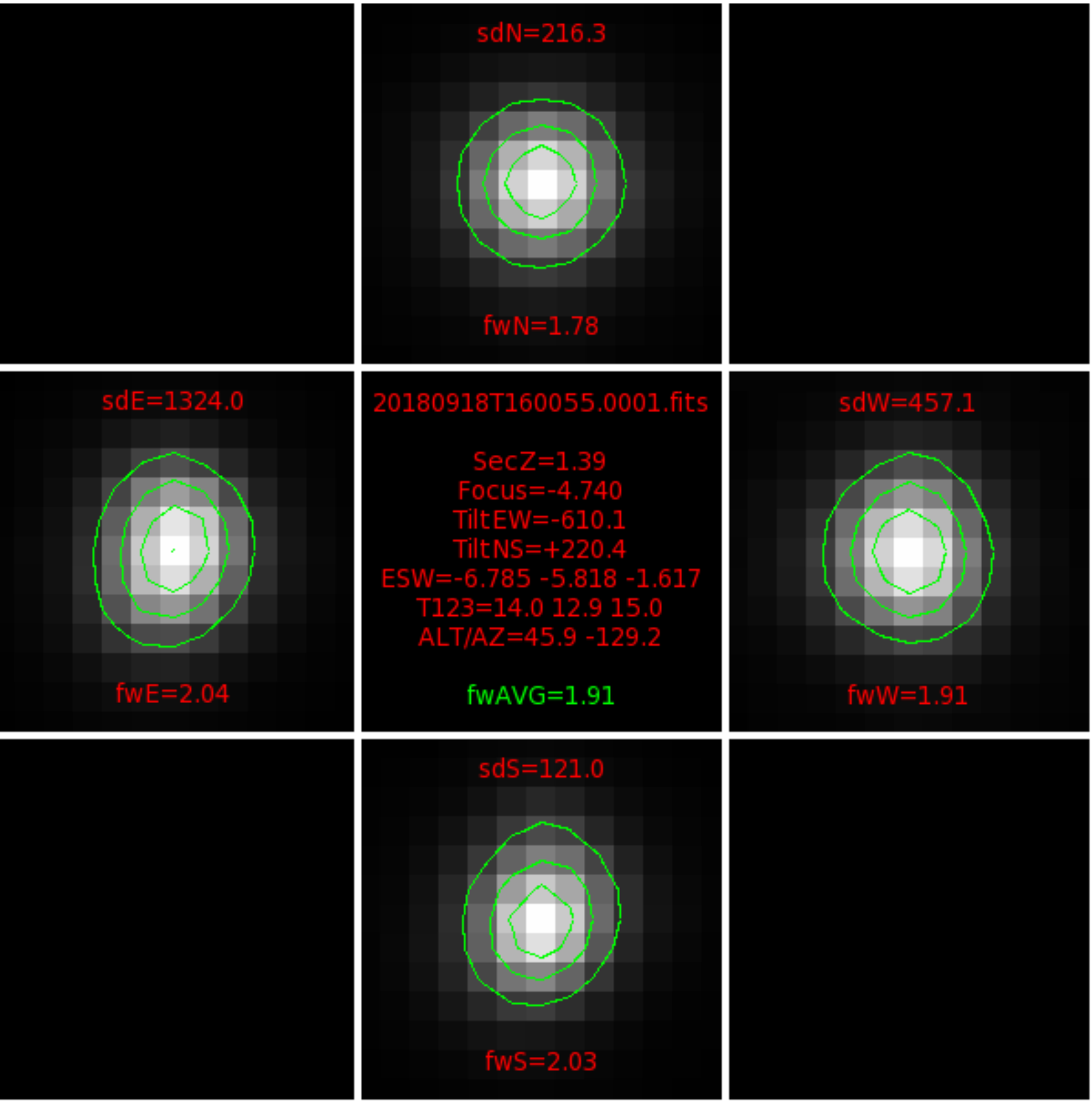
sdN=216.3
fwN=1.78
sdE=1324.0
fwE=2.04
20180918T160055.0001.fits
SecZ=1.39
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.0 12.9 15.0
ALT/AZ=45.9 -129.2
fwAVG=1.91
sdW=457.1
fwW=1.91
sdS=121.0
fwS=2.03
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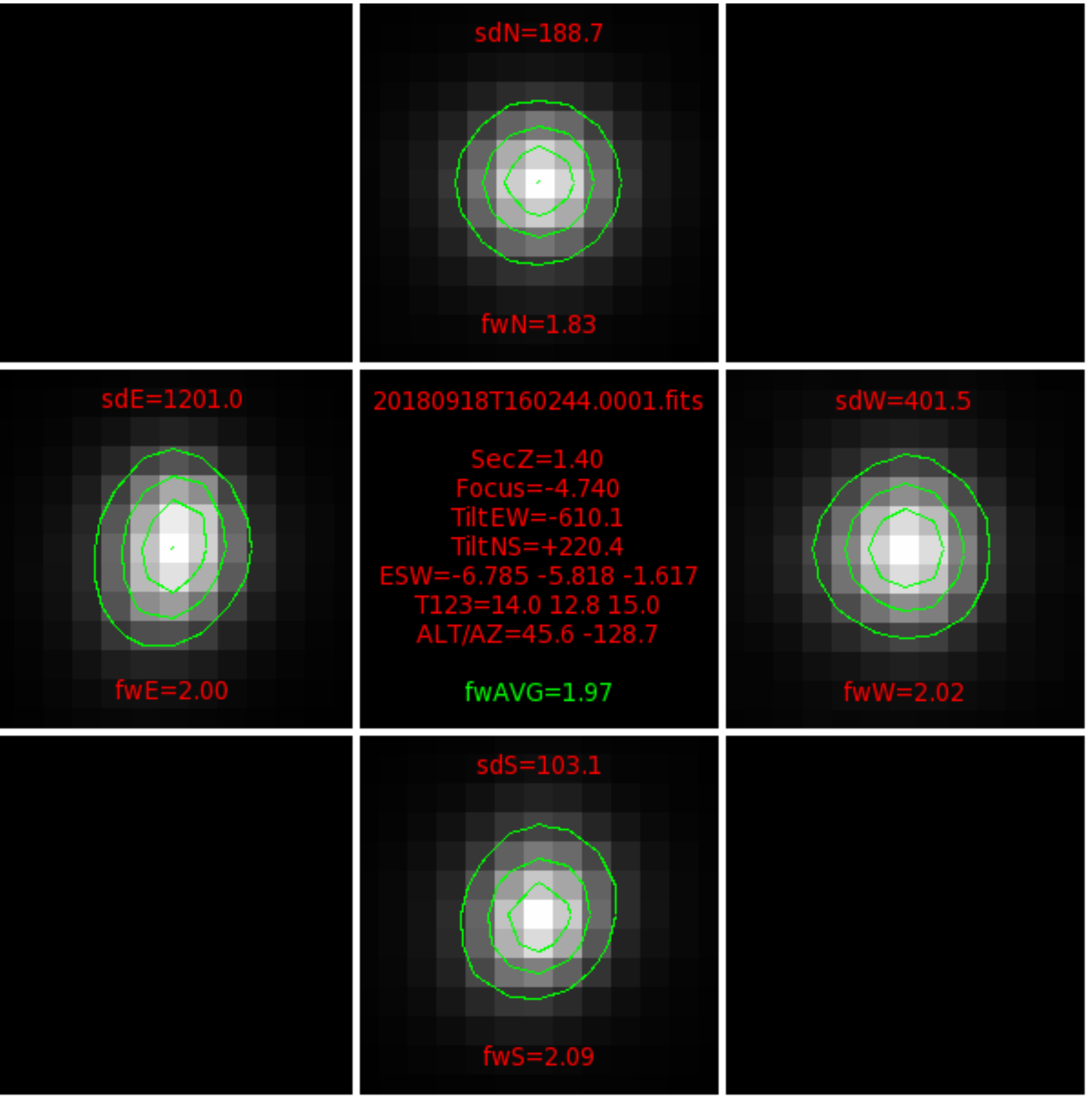
sdN=188.7
fwN=1.83
sdE=1201.0
fwE=2.00
20180918T160244.0001.fits
SecZ=1.40
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.0 12.8 15.0
ALT/AZ=45.6 -128.7
fwAVG=1.97
sdW=401.5
fwW=2.02
sdS=103.1
fwS=2.09
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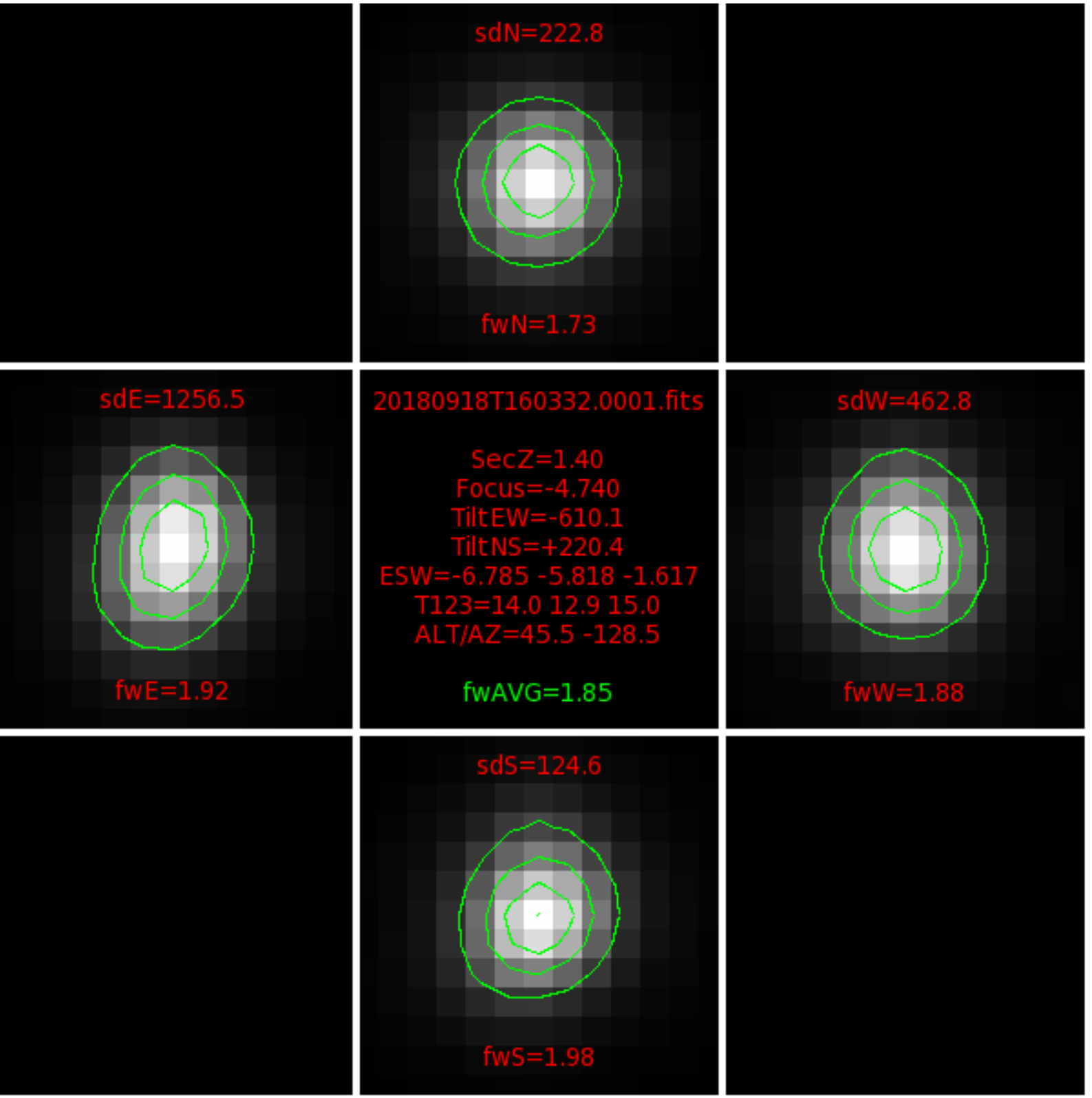
sdN=222.8
fwN=1.73
sdE=1256.5
fwE=1.92
20180918T160332.0001.fits
SecZ=1.40
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.0 12.9 15.0
ALT/AZ=45.5 -128.5
fwAVG=1.85
sdW=462.8
fwW=1.88
sdS=124.6
fwS=1.98
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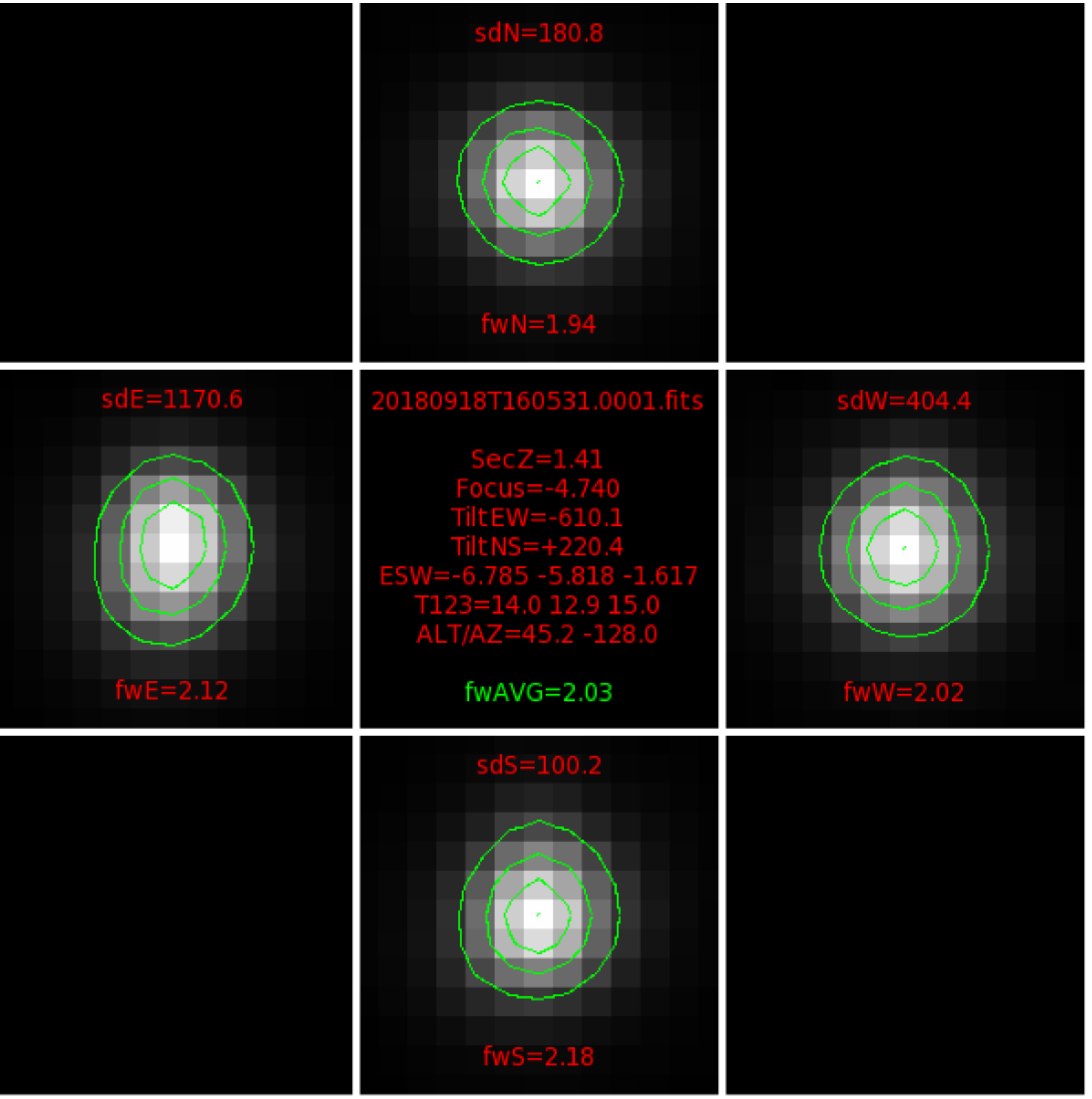
sdN=180.8
fwN=1.94
sdE=1170.6
fwE=2.12
20180918T160531.0001.fits
SecZ=1.41
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.0 12.9 15.0
ALT/AZ=45.2 -128.0
fwAVG=2.03
sdW=404.4
fwW=2.02
sdS=100.2
fwS=2.18
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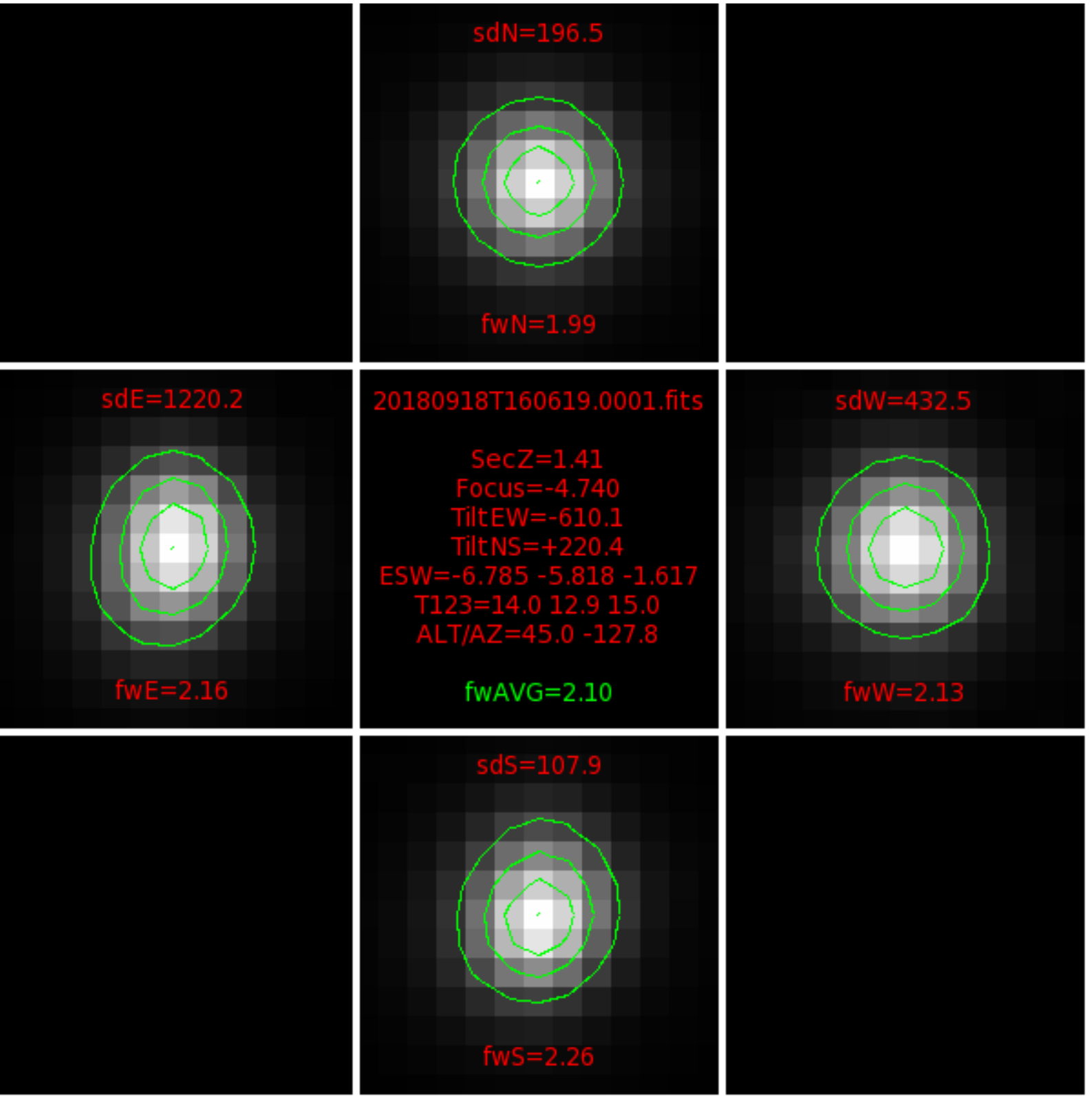
sdN=196.5
fwN=1.99
sdE=1220.2
fwE=2.16
20180918T160619.0001.fits
SecZ=1.41
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.0 12.9 15.0
ALT/AZ=45.0 -127.8
fwAVG=2.10
sdW=432.5
fwW=2.13
sdS=107.9
fwS=2.26
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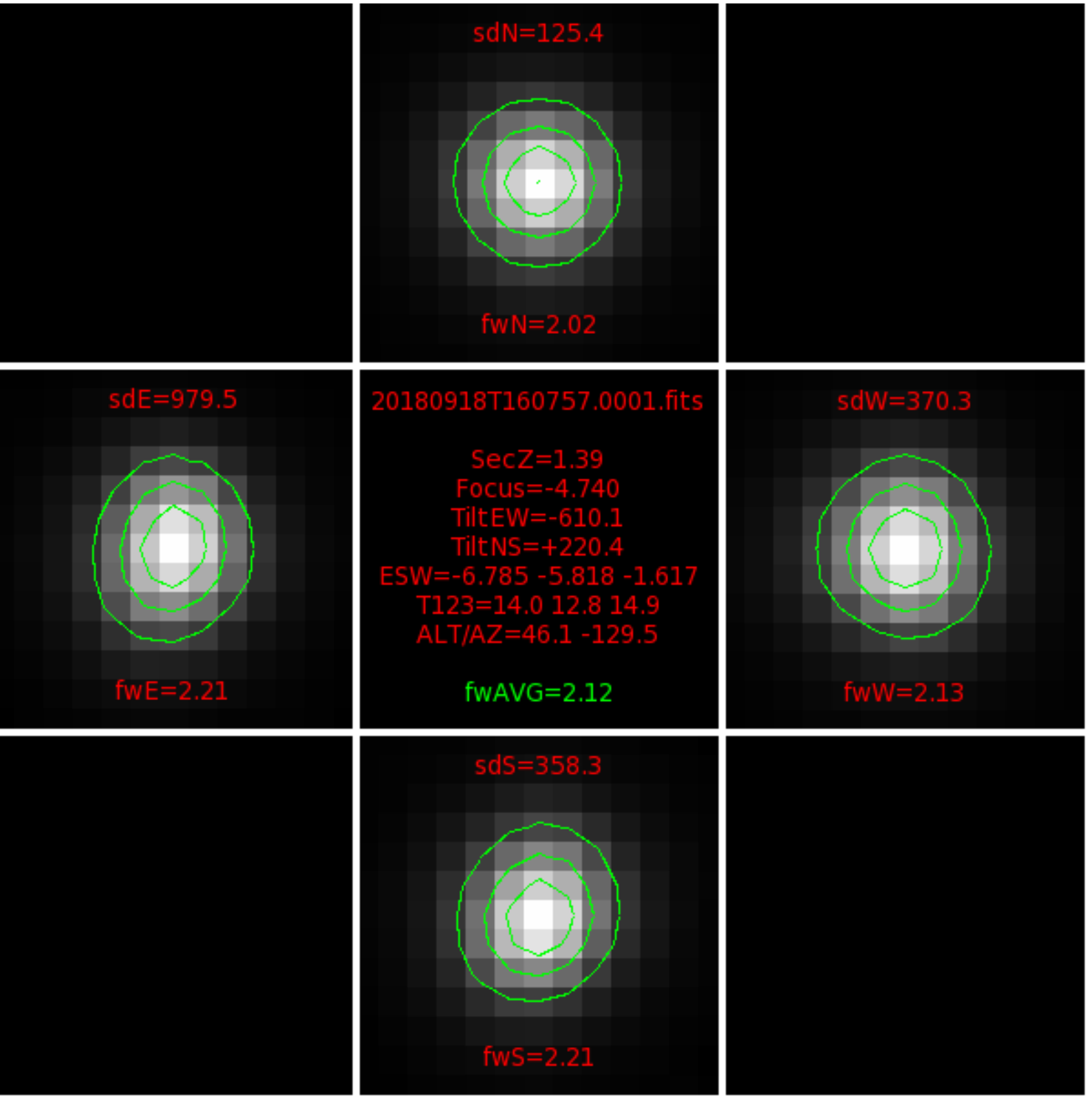
sdN=125.4
fwN=2.02
sdE=979.5
fwE=2.21
20180918T160757.0001.fits
SecZ=1.39
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.0 12.8 14.9
ALT/AZ=46.1 -129.5
fwAVG=2.12
sdW=370.3
fwW=2.13
sdS=358.3
fwS=2.21
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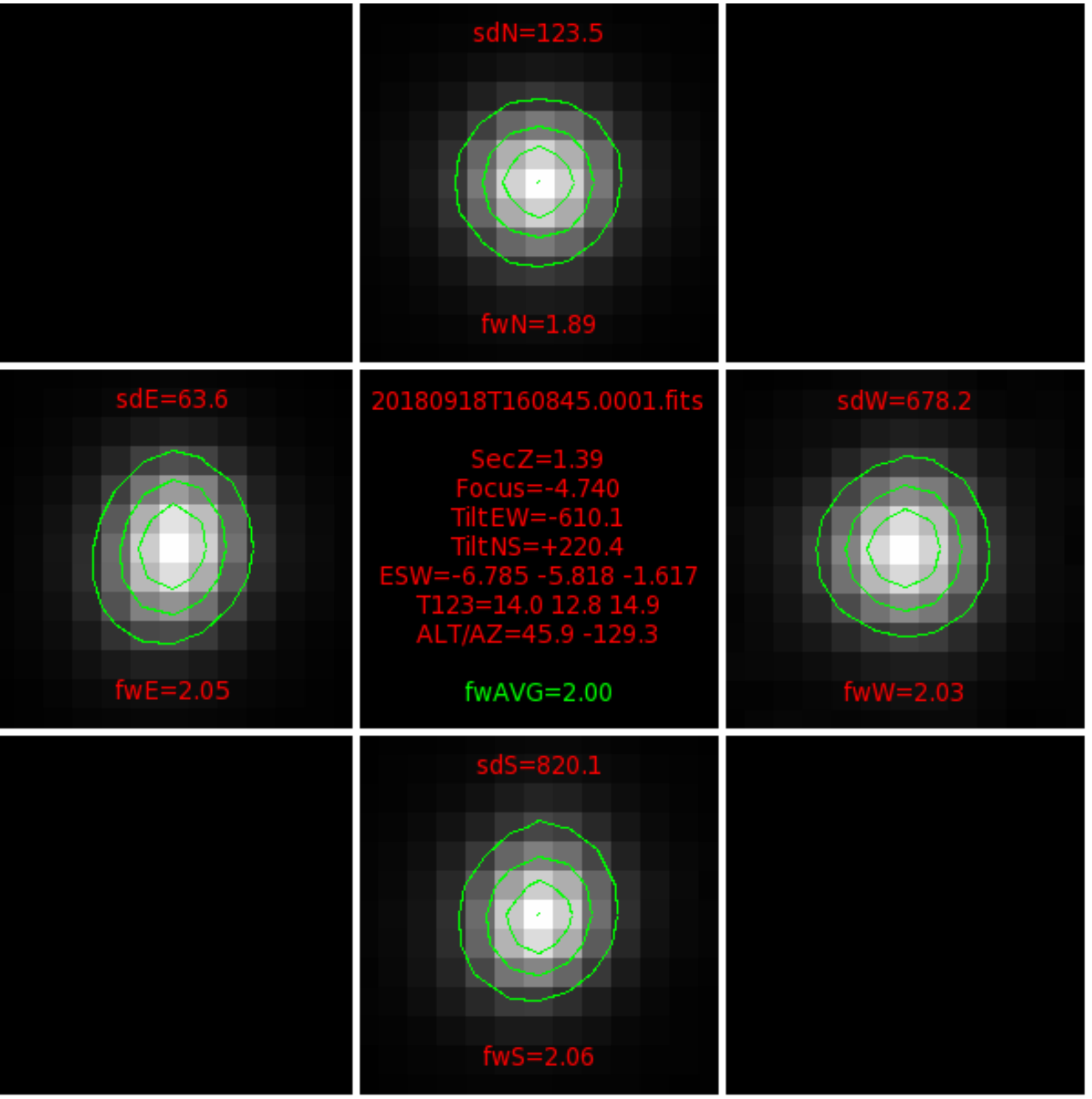
sdN=123.5
fwN=1.89
sdE=63.6
fwE=2.05
20180918T160845.0001.fits
SecZ=1.39
Focus=-4.740
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.785 -5.818 -1.617
T123=14.0 12.8 14.9
ALT/AZ=45.9 -129.3
fwAVG=2.00
sdW=678.2
fwW=2.03
sdS=820.1
fwS=2.06
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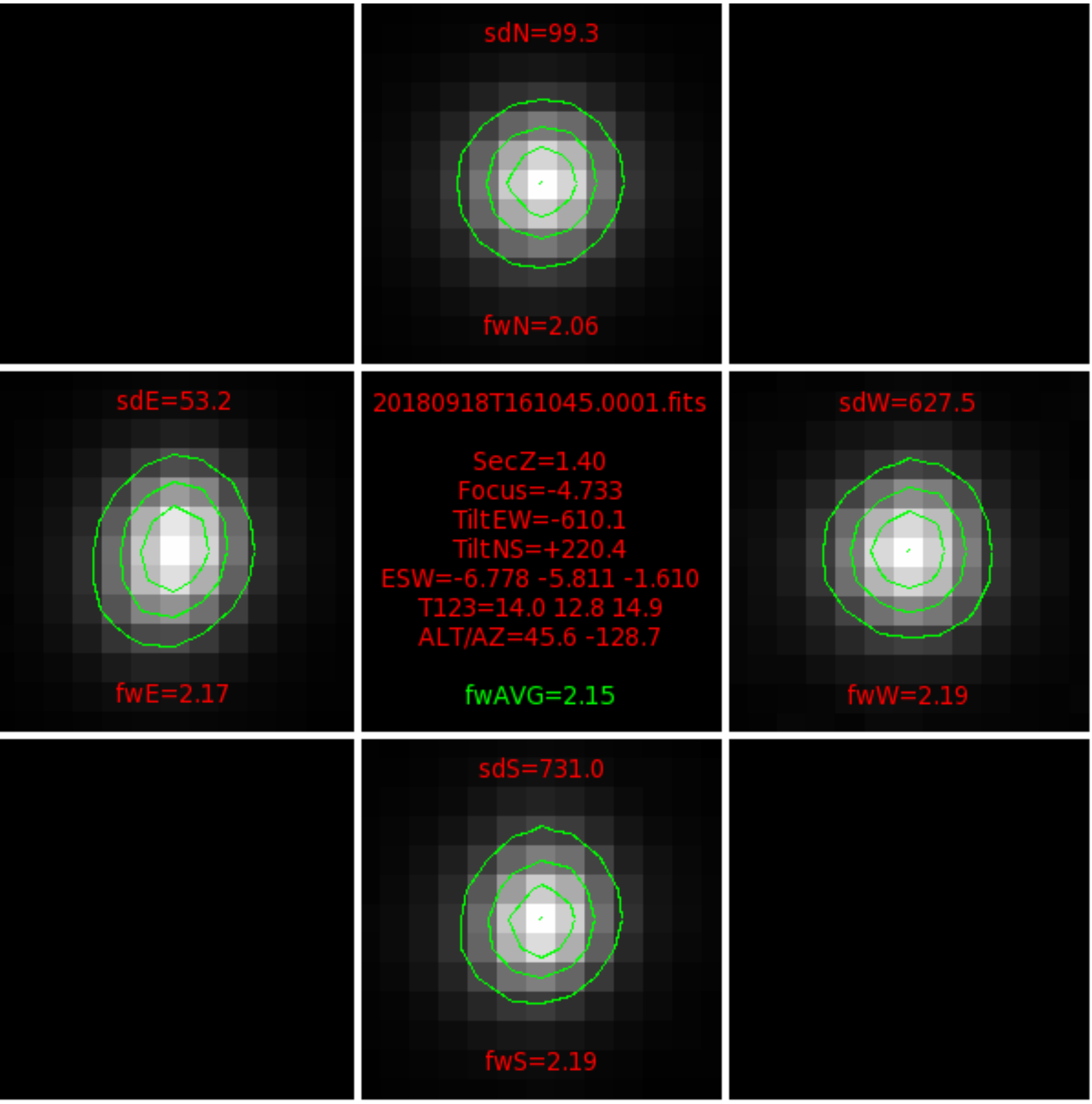
sdN=99.3
fwN=2.06
sdE=53.2
fwE=2.17
20180918T161045.0001.fits
SecZ=1.40
Focus=-4.733
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.778 -5.811 -1.610
T123=14.0 12.8 14.9
ALT/AZ=45.6 -128.7
fwAVG=2.15
sdW=627.5
fwW=2.19
sdS=731.0
fwS=2.19
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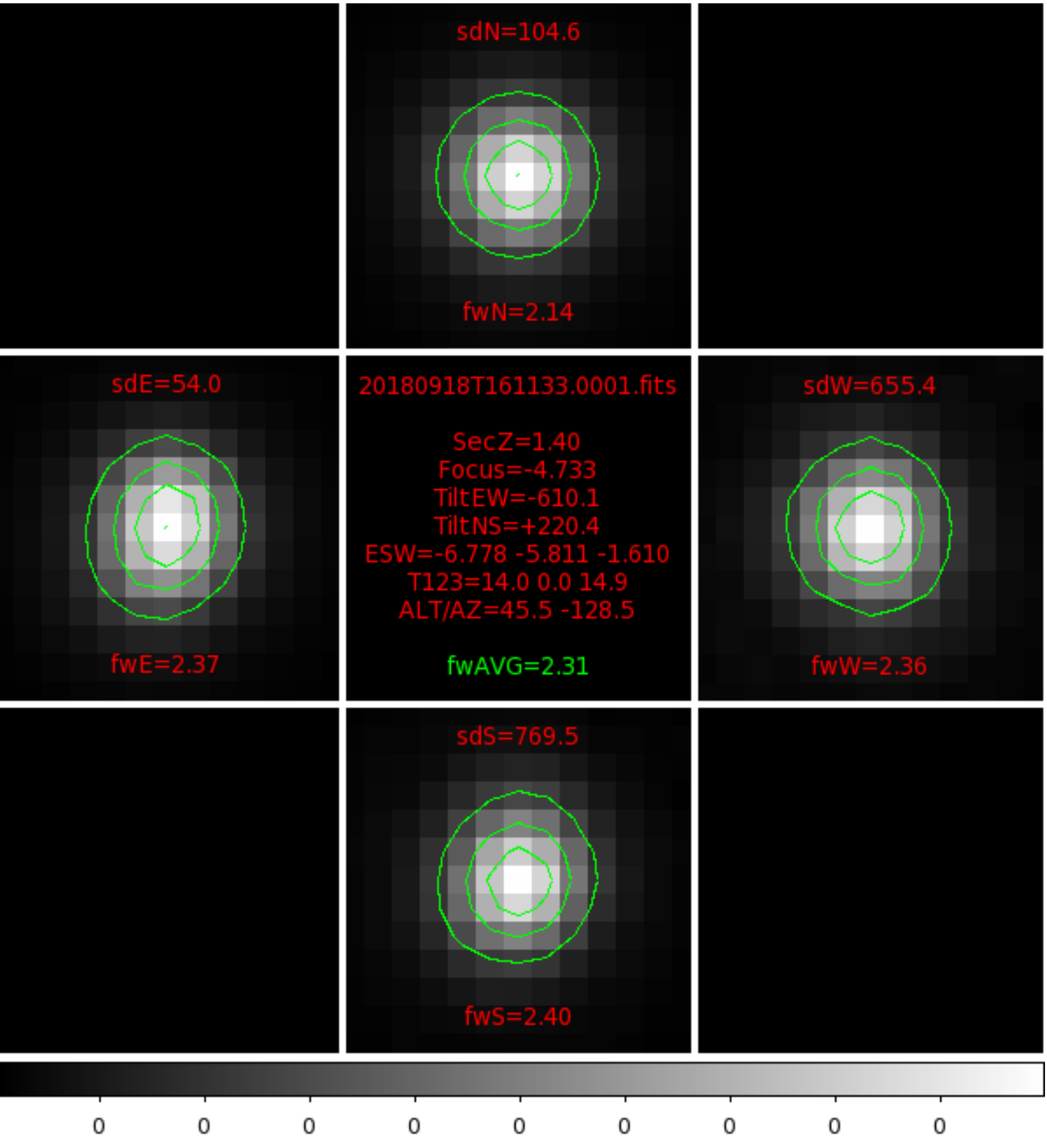
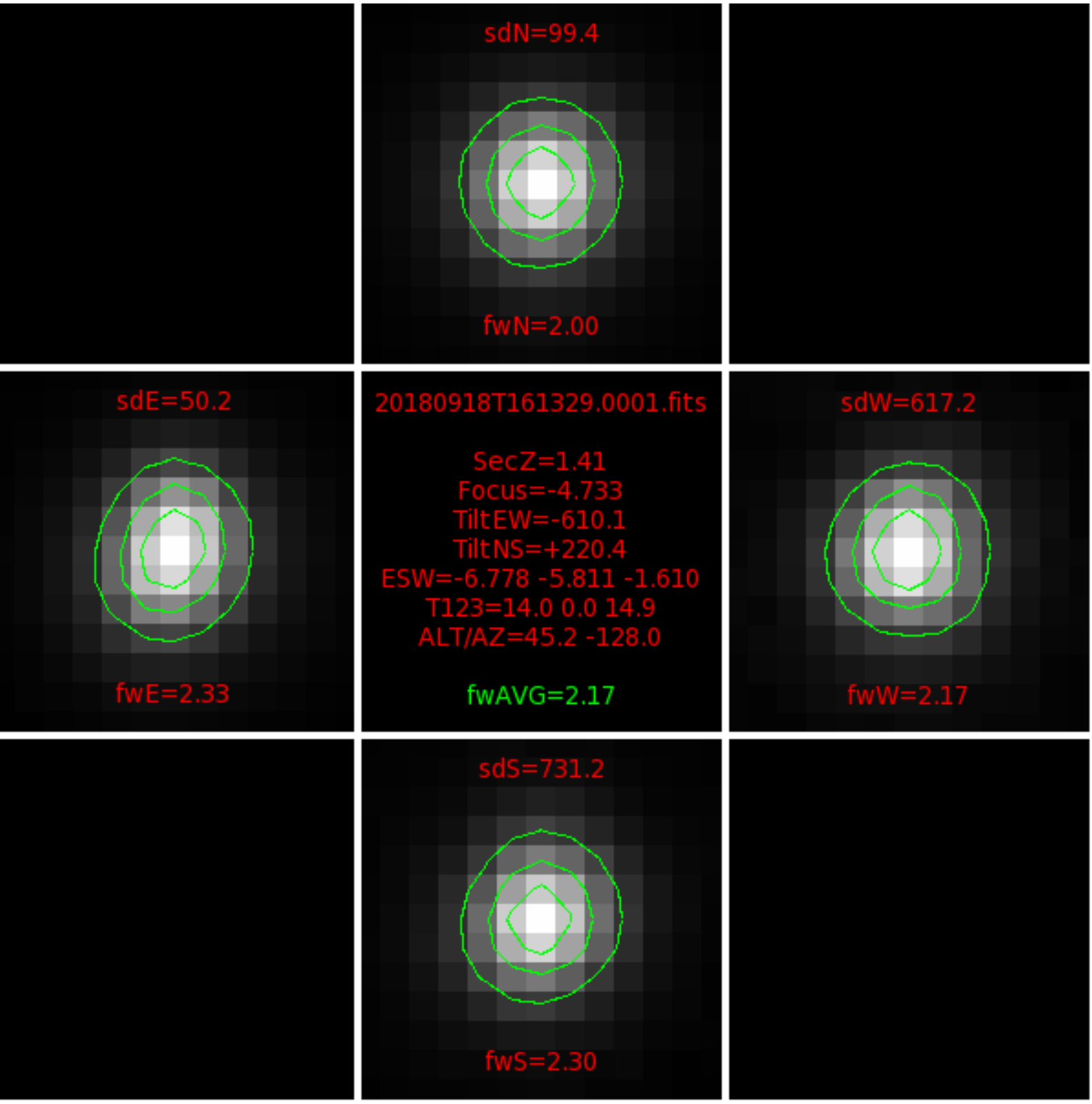
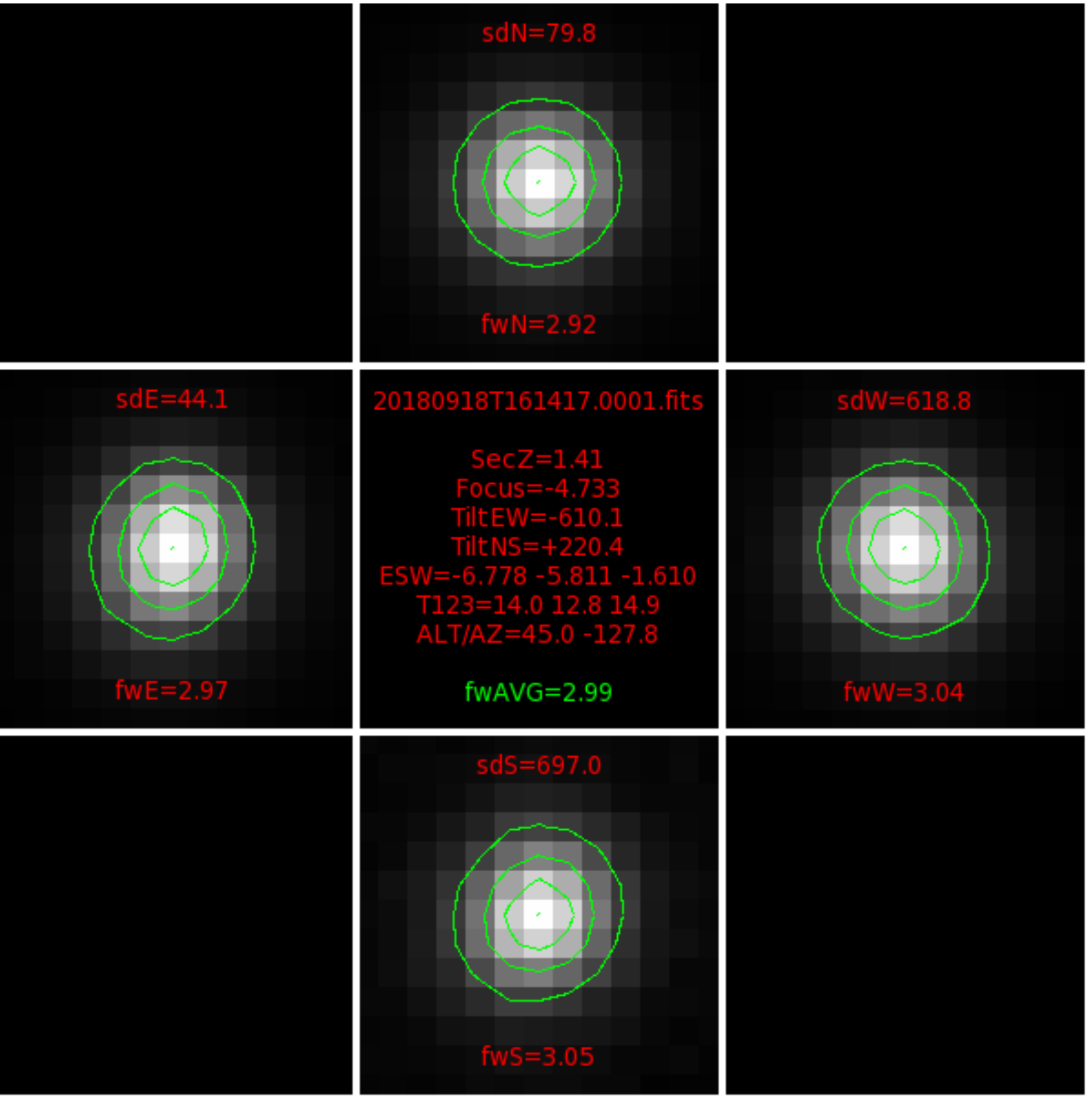

sdN=104.6
fwN=2.14
sdE=54.0
fwE=2.37
20180918T161133.0001.fits
SecZ=1.40
Focus=-4.733
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.778 -5.811 -1.610
T123=14.0 0.0 14.9
ALT/AZ=45.5 -128.5
fwAVG=2.31
sdW=655.4
fwW=2.36
sdS=769.5
fwS=2.40
0 0 0 0 0 0 0 0 0


sdN=99.4
fwN=2.00
sdE=50.2
fwE=2.33
20180918T161329.0001.fits
SecZ=1.41
Focus=-4.733
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.778 -5.811 -1.610
T123=14.0 0.0 14.9
ALT/AZ=45.2 -128.0
fwAVG=2.17
sdW=617.2
fwW=2.17
sdS=731.2
fwS=2.30
0 0 0 0 0 0 0 0 0


sdN=79.8
fwN=2.92
sdE=44.1
fwE=2.97
20180918T161417.0001.fits
SecZ=1.41
Focus=-4.733
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.778 -5.811 -1.610
T123=14.0 12.8 14.9
ALT/AZ=45.0 -127.8
fwAVG=2.99
sdW=618.8
fwW=3.04
sdS=697.0
fwS=3.05
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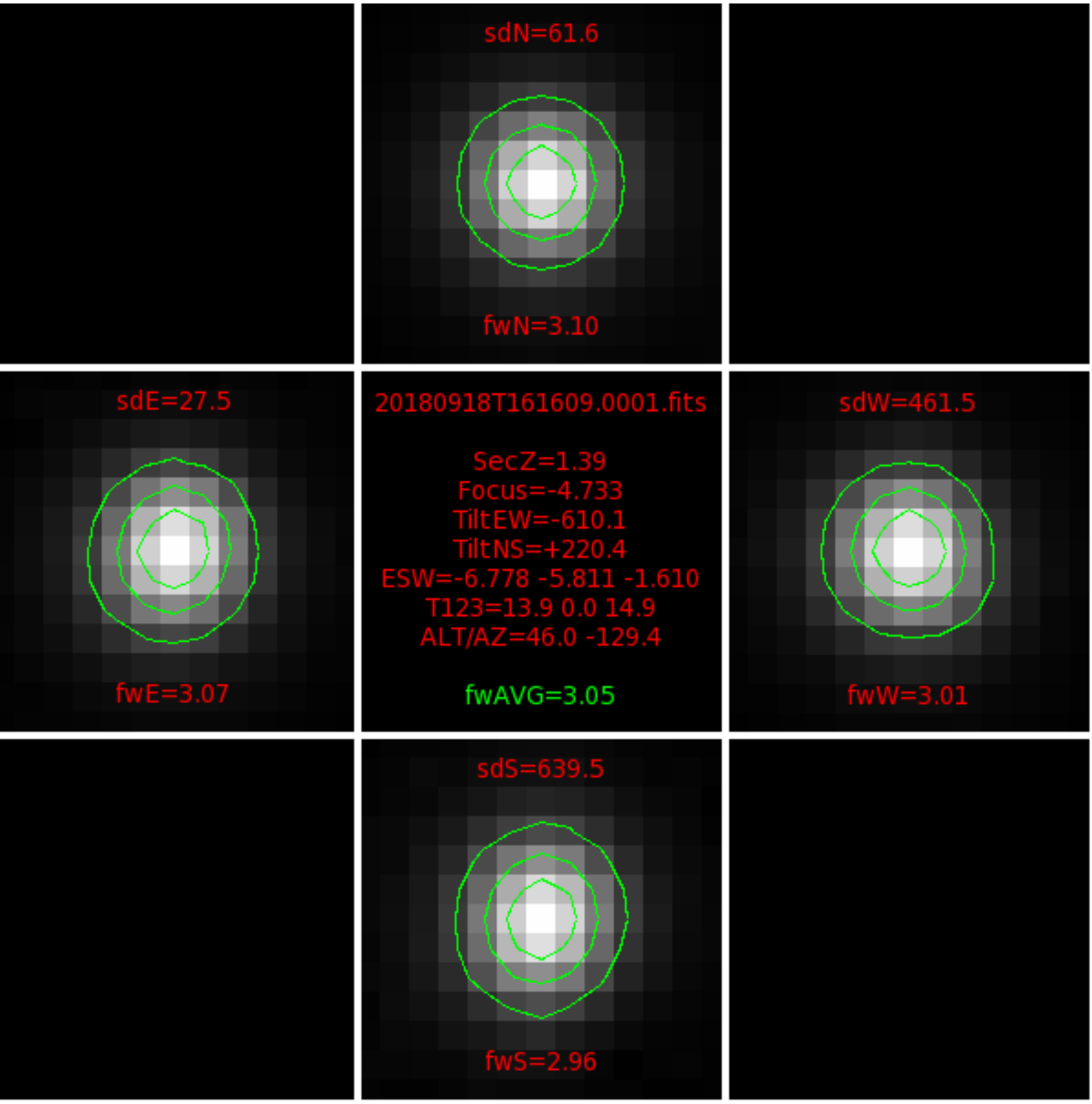
sdN=61.6
fwN=3.10
sdE=27.5
fwE=3.07
20180918T161609.0001.fits
SecZ=1.39
Focus=-4.733
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.778 -5.811 -1.610
T123=13.9 0.0 14.9
ALT/AZ=46.0 -129.4
fwAVG=3.05
sdW=461.5
fwW=3.01
sdS=639.5
fwS=2.96
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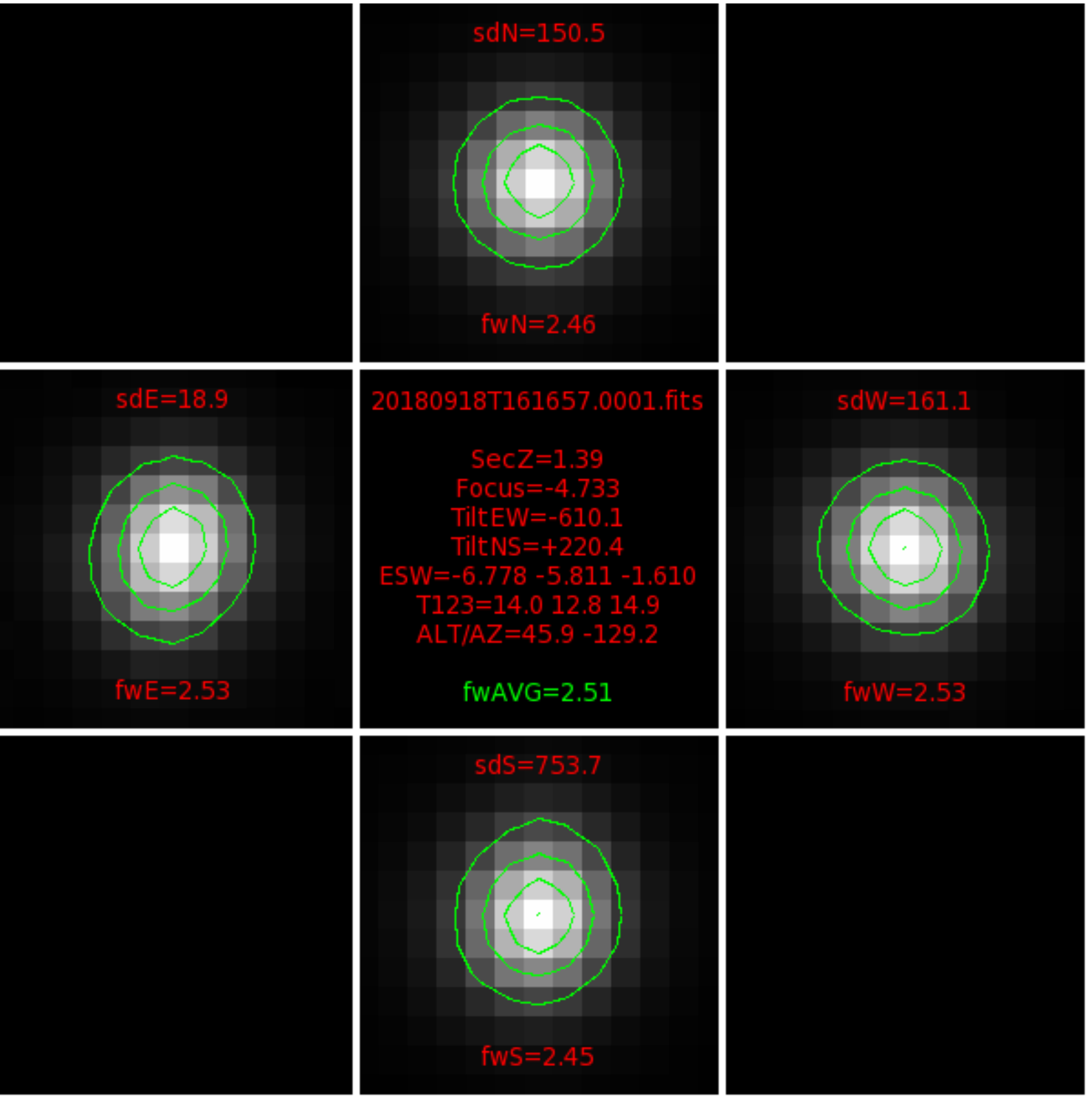
sdN=150.5
fwN=2.46
sdE=18.9
fwE=2.53
20180918T161657.0001.fits
SecZ=1.39
Focus=-4.733
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.778 -5.811 -1.610
T123=14.0 12.8 14.9
ALT/AZ=45.9 -129.2
fwAVG=2.51
sdW=161.1
fwW=2.53
sdS=753.7
fwS=2.45
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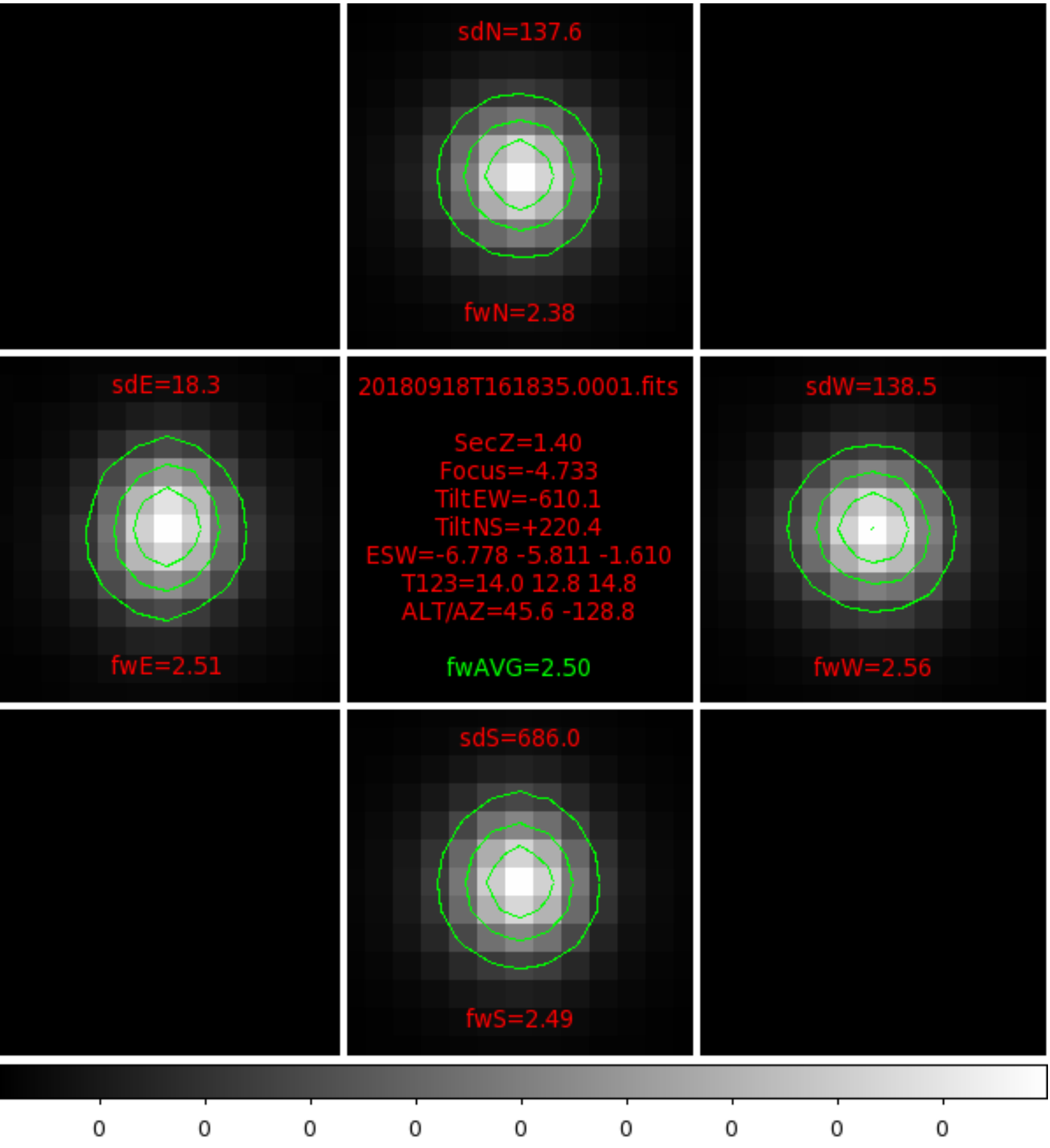
sdN=137.6
fwN=2.38
sdE=18.3
fwE=2.51
20180918T161835.0001.fits
SecZ=1.40
Focus=-4.733
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.778 -5.811 -1.610
T123=14.0 12.8 14.8
ALT/AZ=45.6 -128.8
fwAVG=2.50
sdW=138.5
fwW=2.56
sdS=686.0
fwS=2.49
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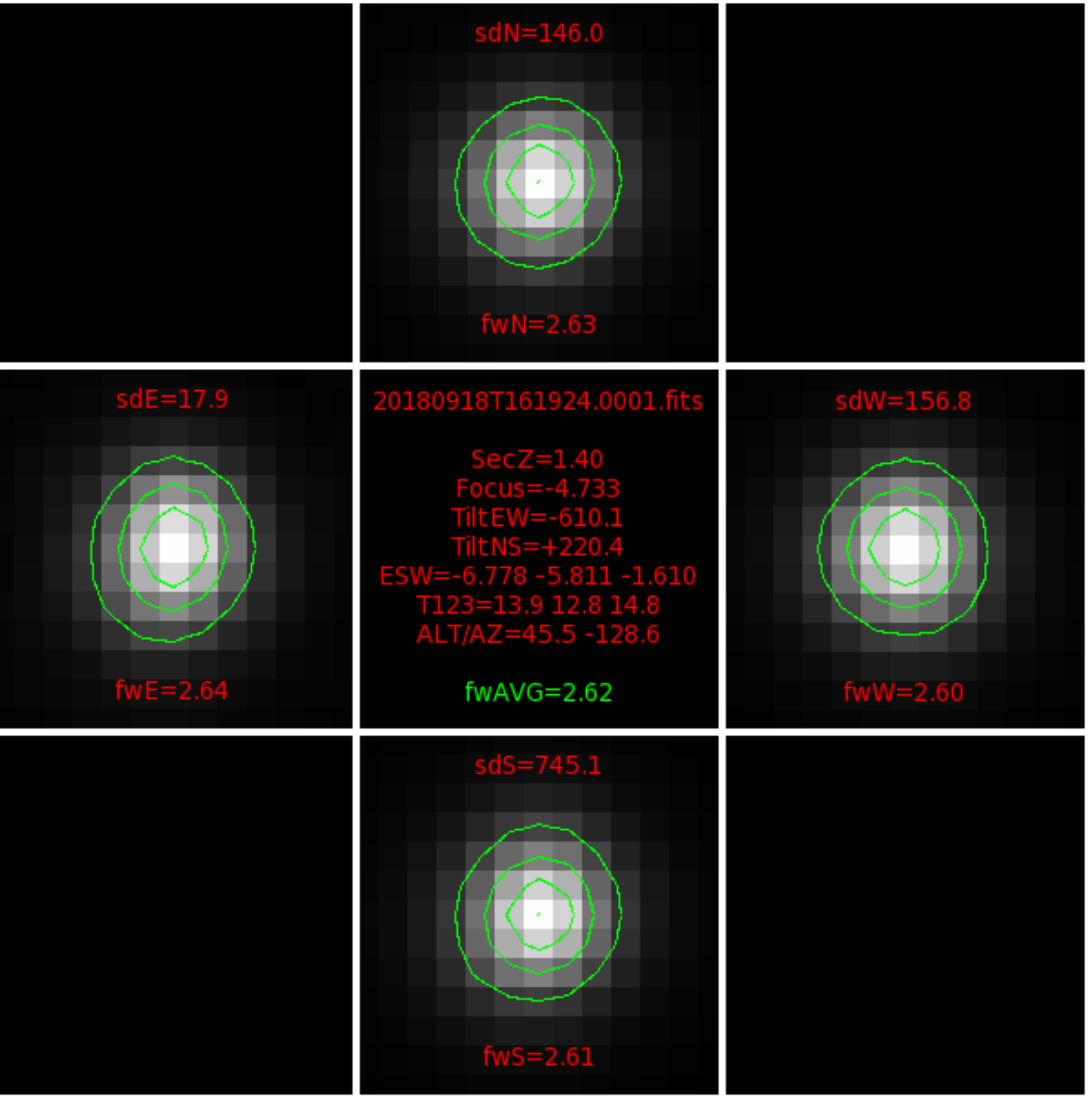
sdN=146.0
fwN=2.63
sdE=17.9
fwE=2.64
20180918T161924.0001.fits
SecZ=1.40
Focus=-4.733
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.778 -5.811 -1.610
T123=13.9 12.8 14.8
ALT/AZ=45.5 -128.6
fwAVG=2.62
sdW=156.8
fwW=2.60
sdS=745.1
fwS=2.61
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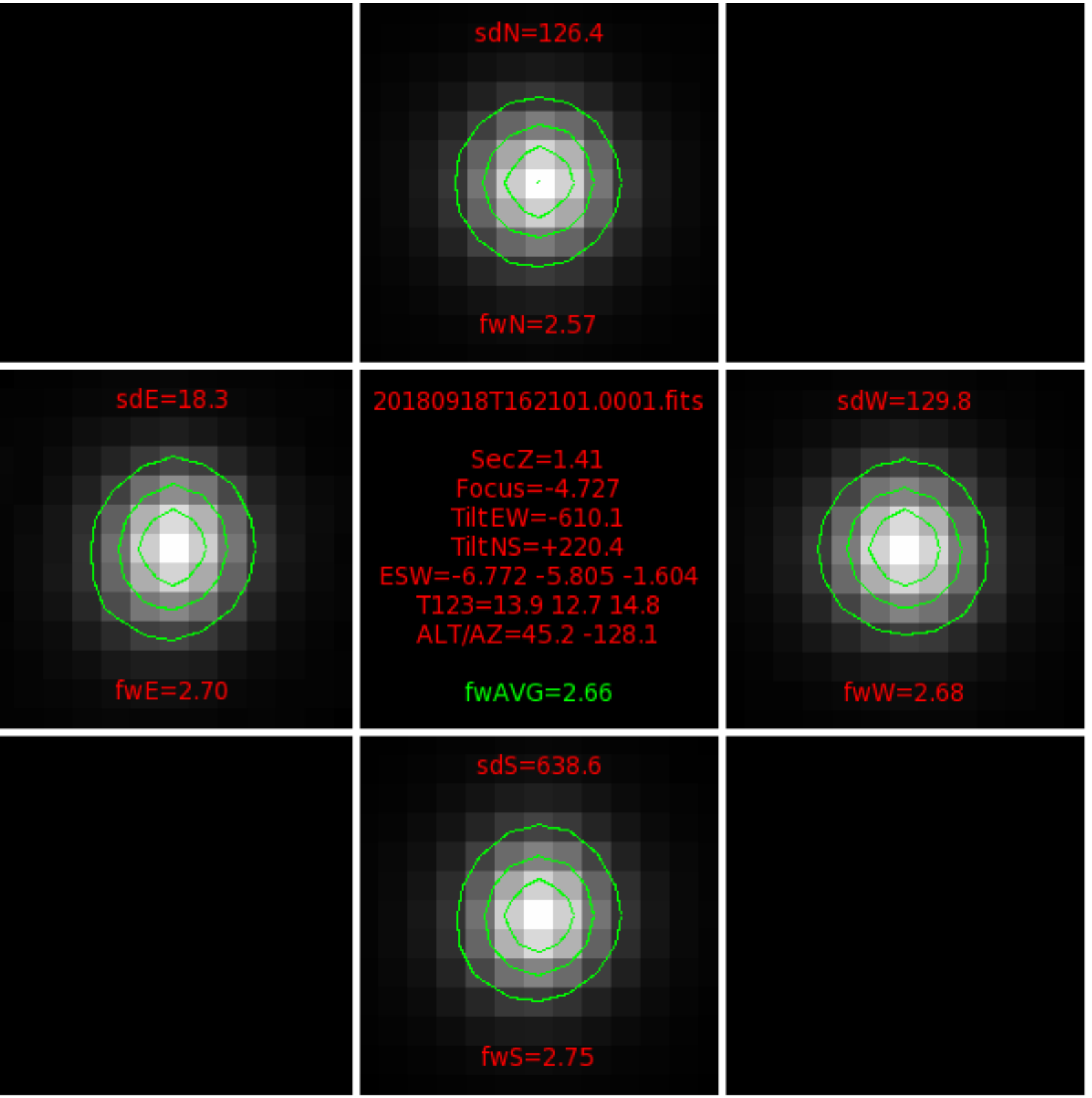
sdN=126.4
fwN=2.57
sdE=18.3
fwE=2.70
20180918T162101.0001.fits
SecZ=1.41
Focus=-4.727
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.772 -5.805 -1.604
T123=13.9 12.7 14.8
ALT/AZ=45.2 -128.1
fwAVG=2.66
sdW=129.8
fwW=2.68
sdS=638.6
fwS=2.75
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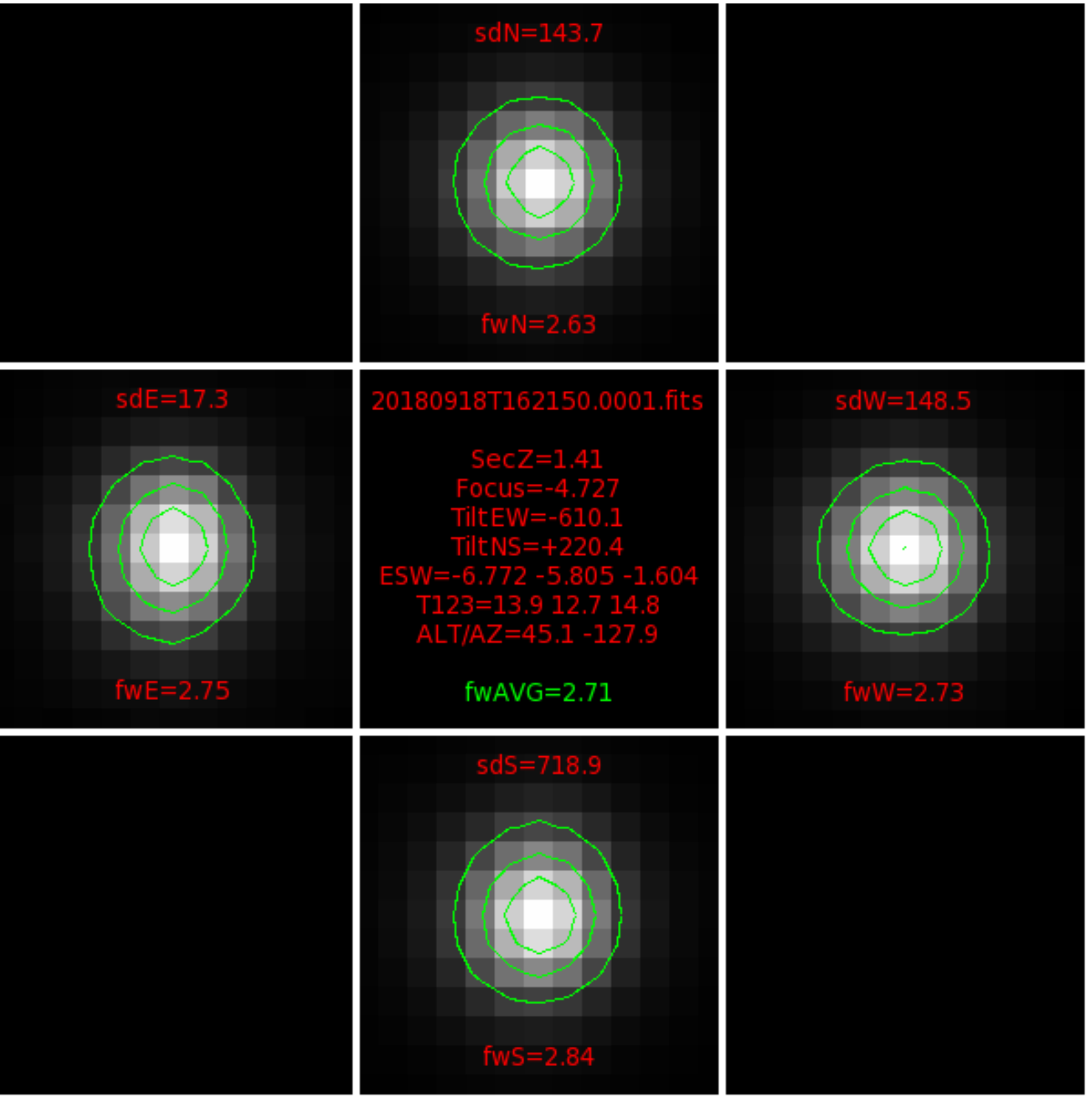
sdN=143.7
fwN=2.63
sdE=17.3
fwE=2.75
20180918T162150.0001.fits
SecZ=1.41
Focus=-4.727
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.772 -5.805 -1.604
T123=13.9 12.7 14.8
ALT/AZ=45.1 -127.9
fwAVG=2.71
sdW=148.5
fwW=2.73
sdS=718.9
fwS=2.84
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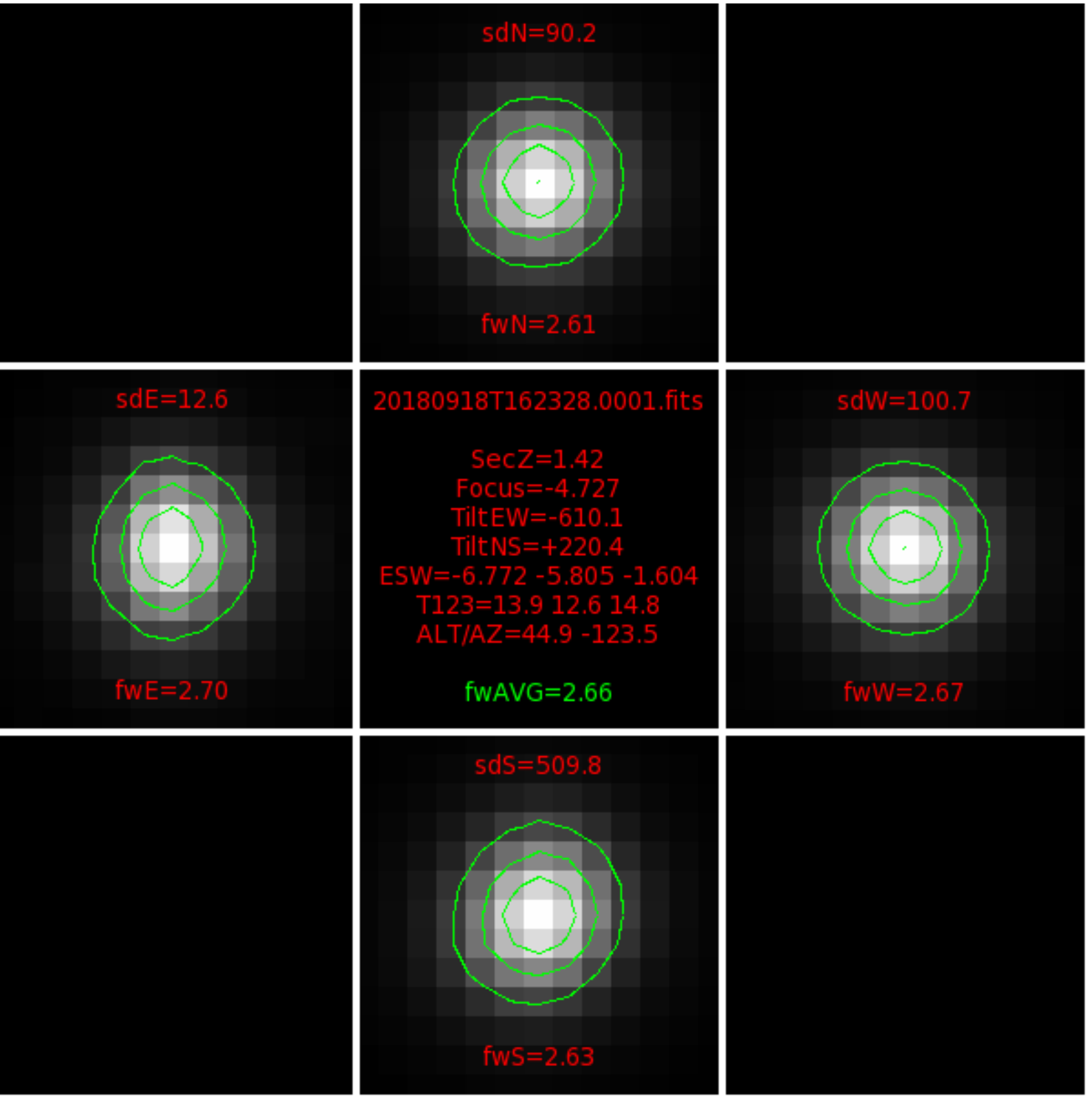
sdN=90.2
fwN=2.61
sdE=12.6
fwE=2.70
20180918T162328.0001.fits
SecZ=1.42
Focus=-4.727
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.772 -5.805 -1.604
T123=13.9 12.6 14.8
ALT/AZ=44.9 -123.5
fwAVG=2.66
sdW=100.7
fwW=2.67
sdS=509.8
fwS=2.63
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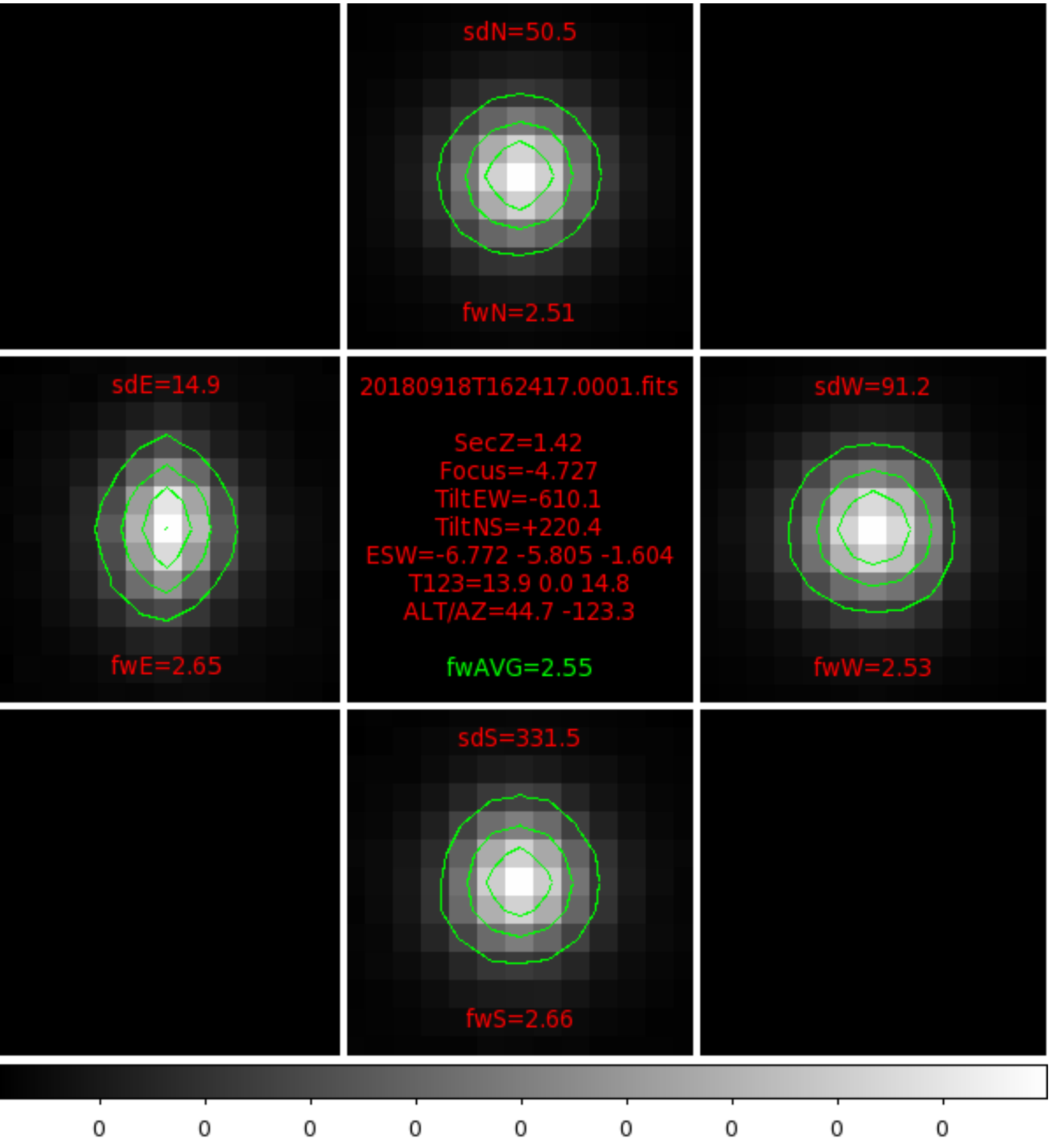
sdN=50.5
fwN=2.51
sdE=14.9
fwE=2.65
20180918T162417.0001.fits
SecZ=1.42
Focus=-4.727
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.772 -5.805 -1.604
T123=13.9 0.0 14.8
ALT/AZ=44.7 -123.3
fwAVG=2.55
sdW=91.2
fwW=2.53
sdS=331.5
fwS=2.66
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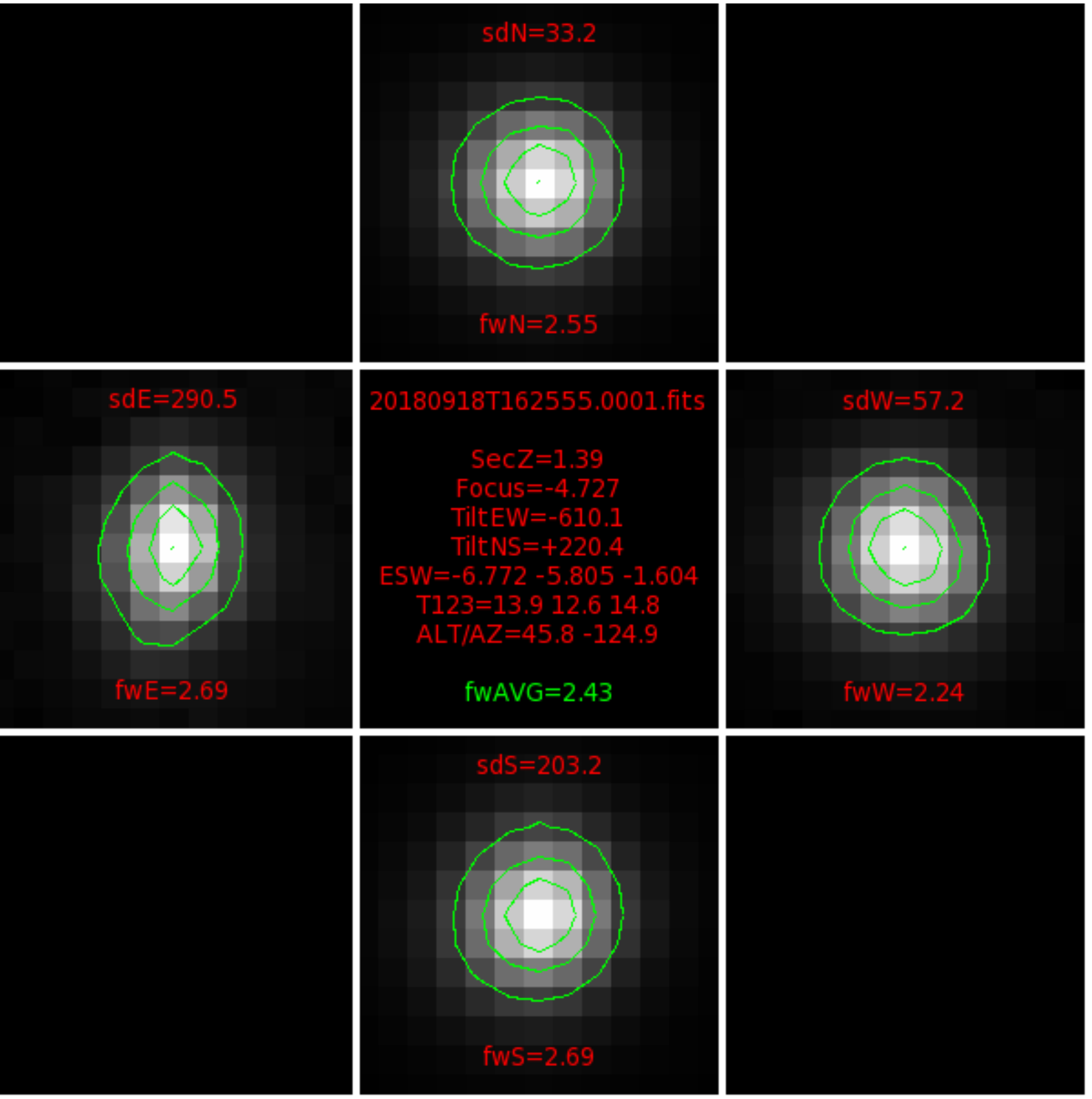
sdN=33.2
fwN=2.55
sdE=290.5
fwE=2.69
20180918T162555.0001.fits
SecZ=1.39
Focus=-4.727
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.772 -5.805 -1.604
T123=13.9 12.6 14.8
ALT/AZ=45.8 -124.9
fwAVG=2.43
sdW=57.2
fwW=2.24
sdS=203.2
fwS=2.69
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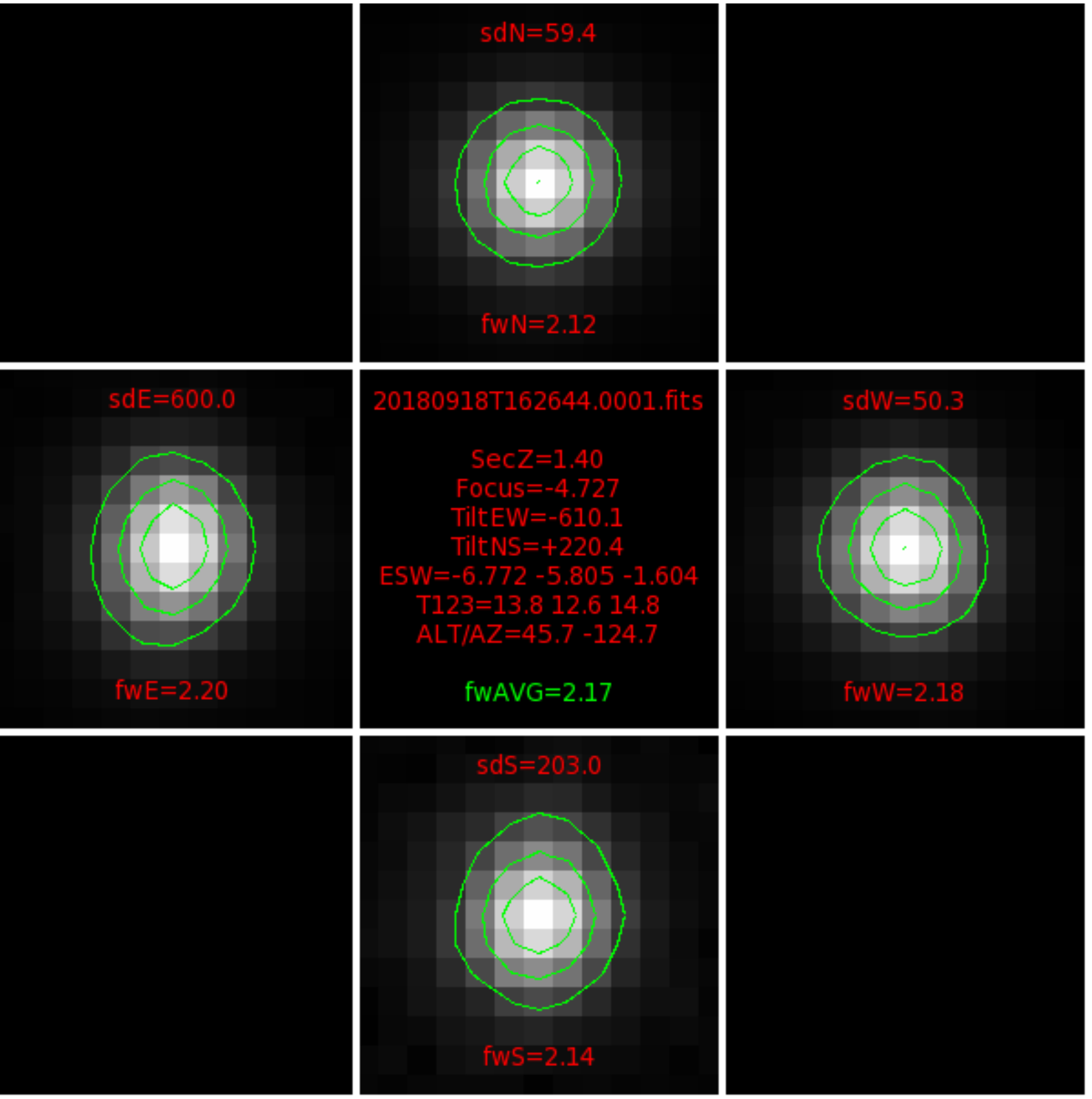
sdN=59.4
fwN=2.12
sdE=600.0
fwE=2.20
20180918T162644.0001.fits
SecZ=1.40
Focus=-4.727
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.772 -5.805 -1.604
T123=13.8 12.6 14.8
ALT/AZ=45.7 -124.7
fwAVG=2.17
sdW=50.3
fwW=2.18
sdS=203.0
fwS=2.14
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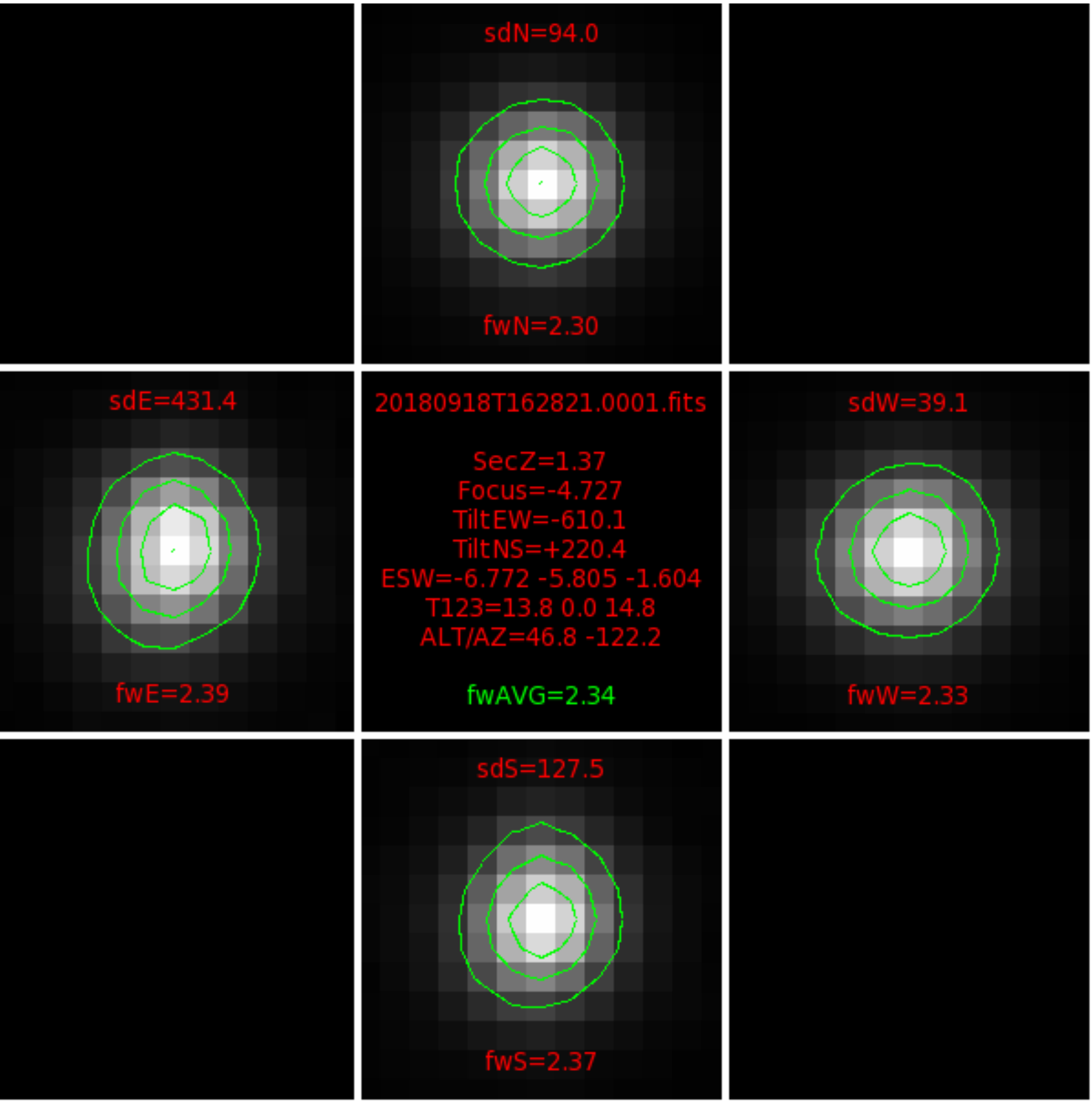
sdN=94.0
fwN=2.30
sdE=431.4
fwE=2.39
20180918T162821.0001.fits
SecZ=1.37
Focus=-4.727
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.772 -5.805 -1.604
T123=13.8 0.0 14.8
ALT/AZ=46.8 -122.2
fwAVG=2.34
sdW=39.1
fwW=2.33
sdS=127.5
fwS=2.37
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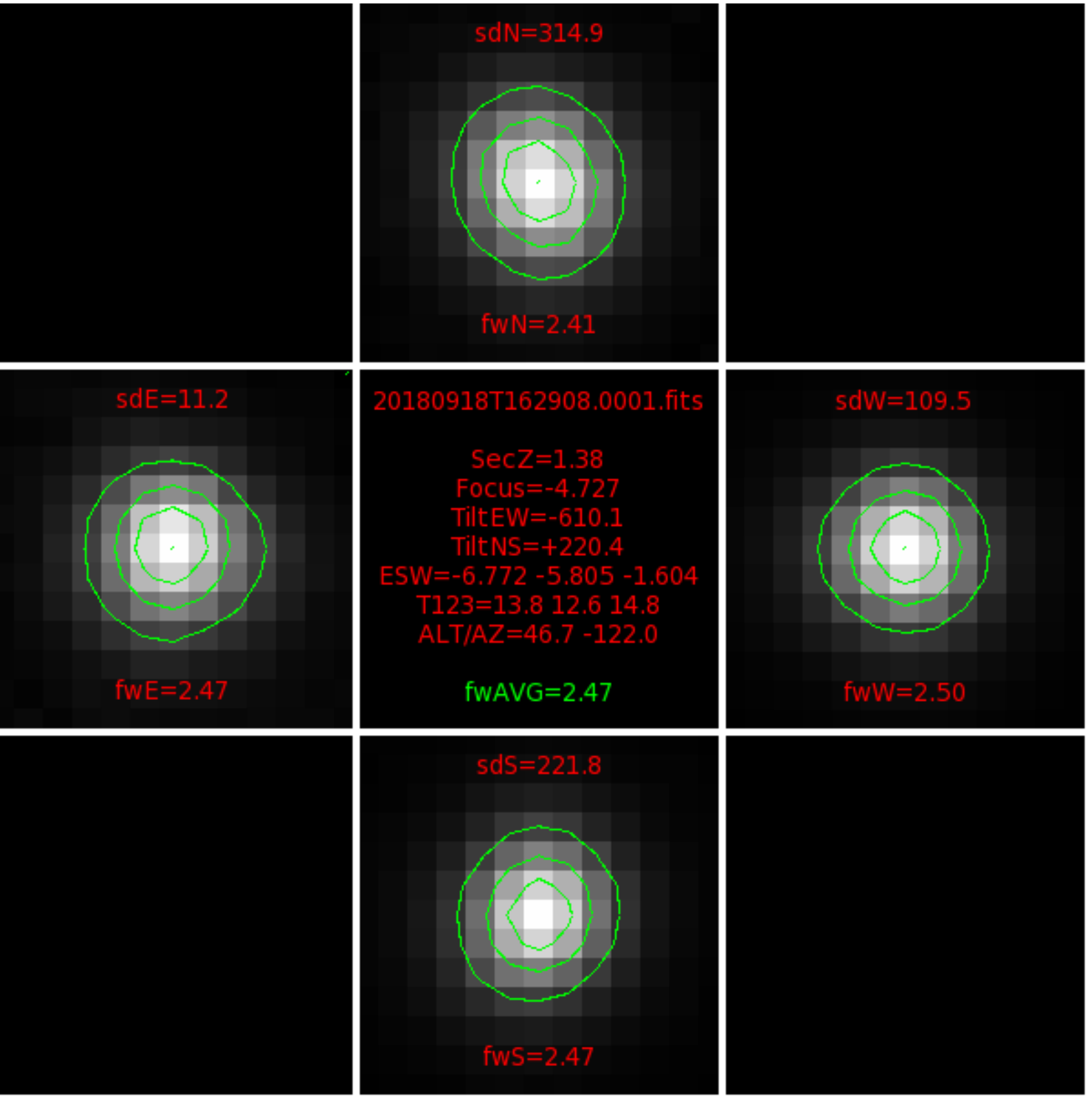
sdN=314.9
fwN=2.41
sdE=11.2
fwE=2.47
20180918T162908.0001.fits
SecZ=1.38
Focus=-4.727
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.772 -5.805 -1.604
T123=13.8 12.6 14.8
ALT/AZ=46.7 -122.0
fwAVG=2.47
sdW=109.5
fwW=2.50
sdS=221.8
fwS=2.47
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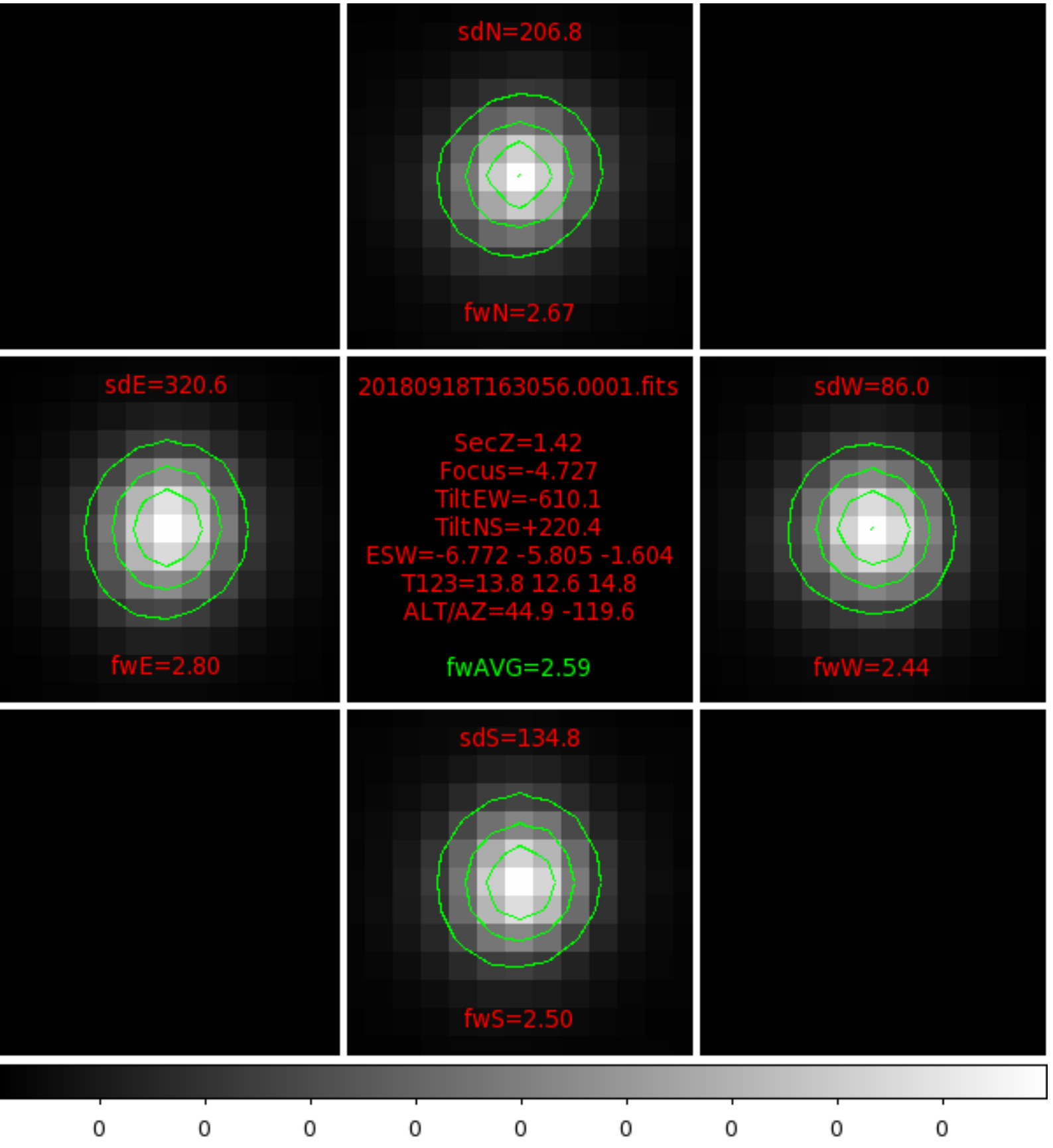
sdN=206.8
fwN=2.67
sdE=320.6
fwE=2.80
20180918T163056.0001.fits
SecZ=1.42
Focus=-4.727
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.772 -5.805 -1.604
T123=13.8 12.6 14.8
ALT/AZ=44.9 -119.6
fwAVG=2.59
sdW=86.0
fwW=2.44
sdS=134.8
fwS=2.50
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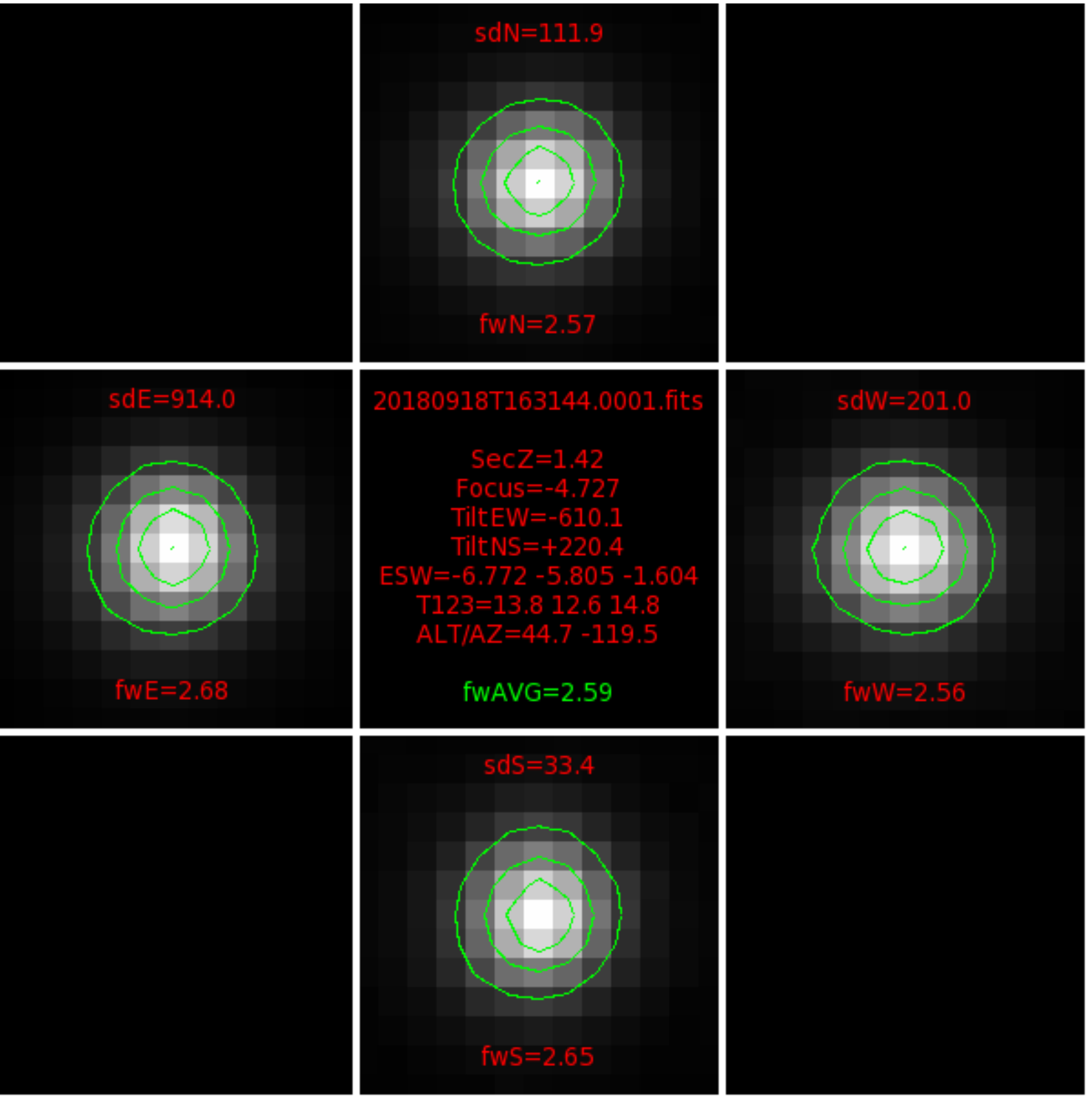
sdN=111.9
fwN=2.57
sdE=914.0
fwE=2.68
20180918T163144.0001.fits
SecZ=1.42
Focus=-4.727
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.772 -5.805 -1.604
T123=13.8 12.6 14.8
ALT/AZ=44.7 -119.5
fwAVG=2.59
sdW=201.0
fwW=2.56
sdS=33.4
fwS=2.65
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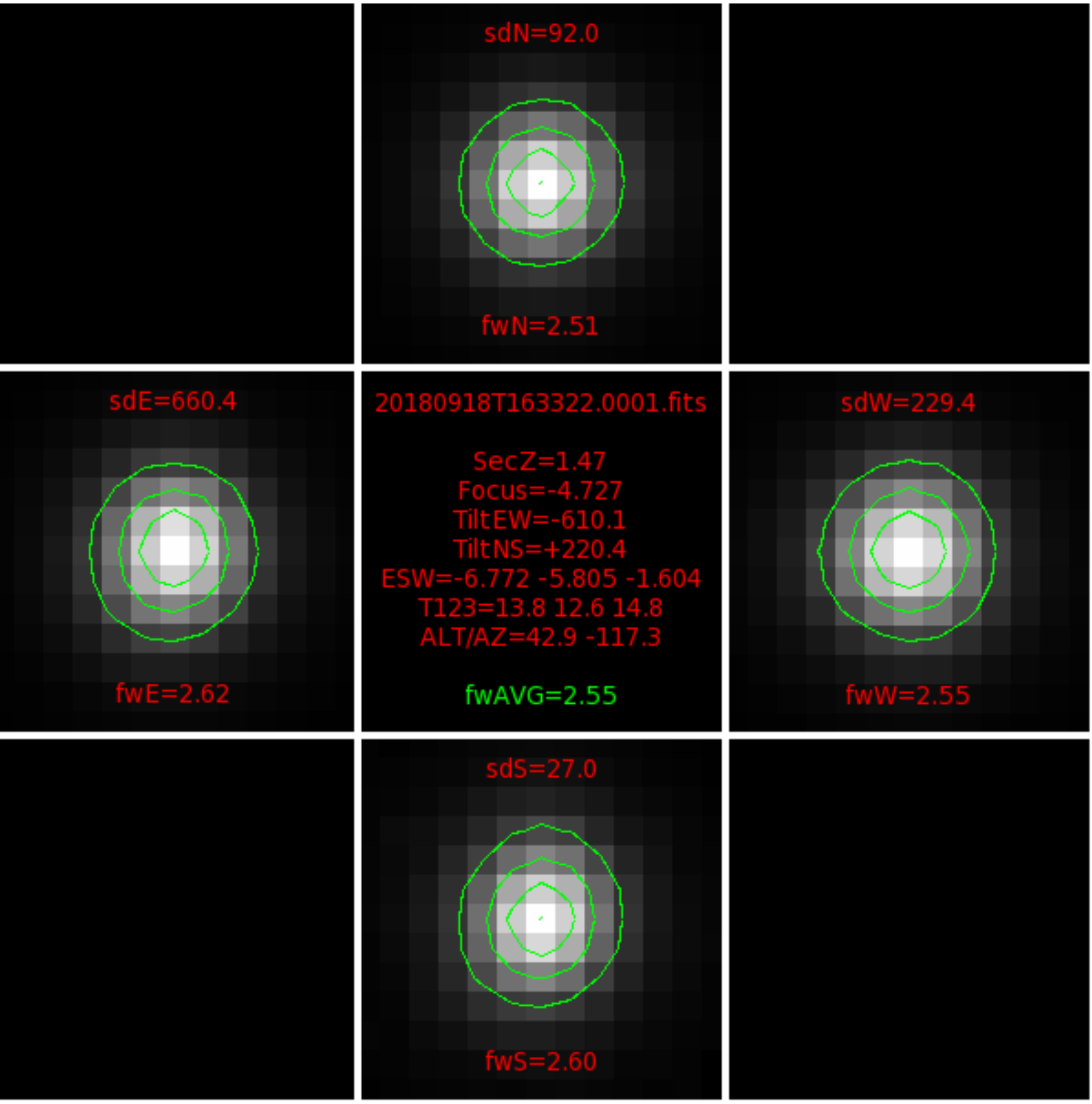
sdN=92.0
fwN=2.51
sdE=660.4
fwE=2.62
20180918T163322.0001.fits
SecZ=1.47
Focus=-4.727
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.772 -5.805 -1.604
T123=13.8 12.6 14.8
ALT/AZ=42.9 -117.3
fwAVG=2.55
sdW=229.4
fwW=2.55
sdS=27.0
fwS=2.60
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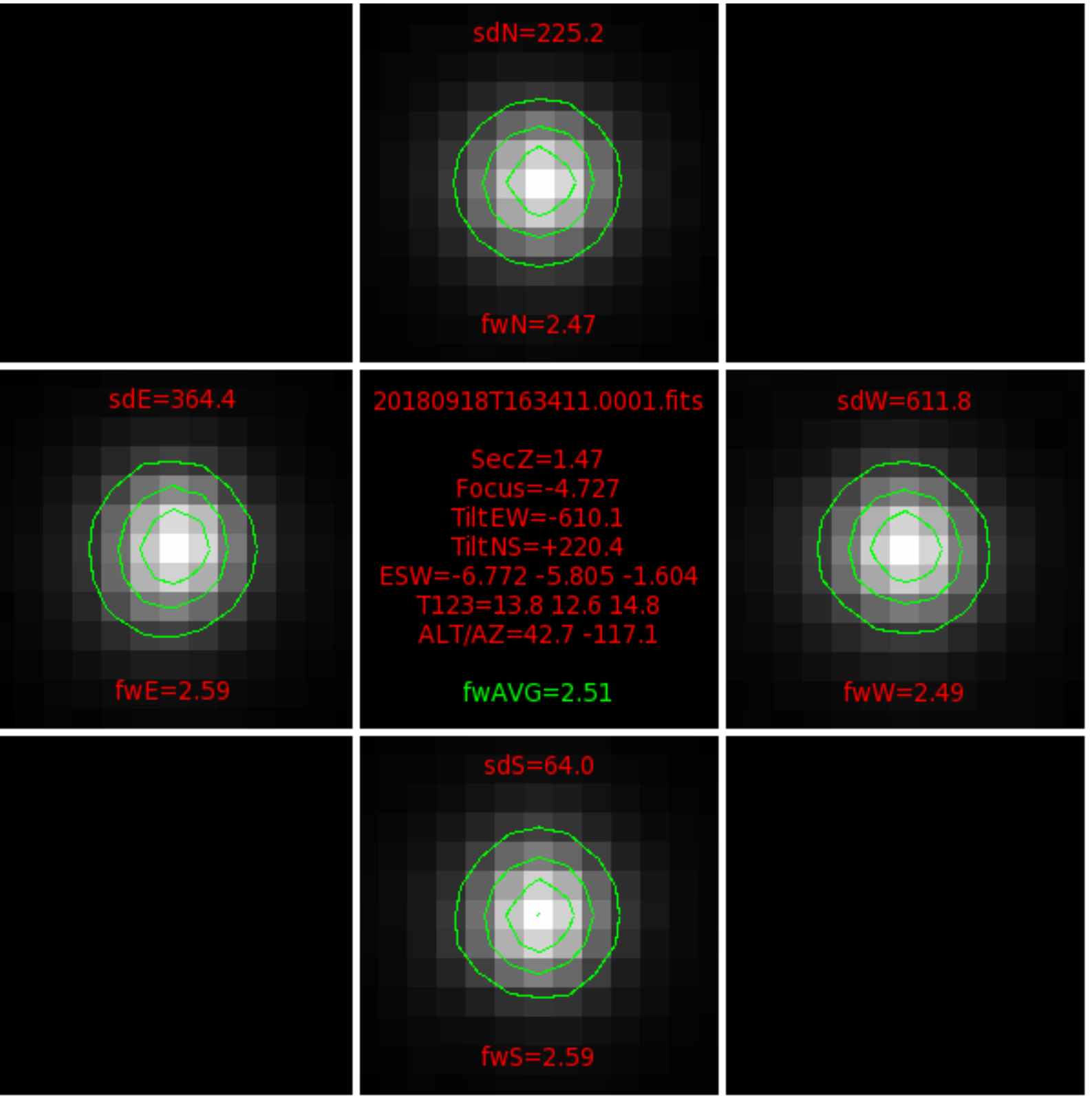
sdN=225.2
fwN=2.47
sdE=364.4
fwE=2.59
20180918T163411.0001.fits
SecZ=1.47
Focus=-4.727
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.772 -5.805 -1.604
T123=13.8 12.6 14.8
ALT/AZ=42.7 -117.1
fwAVG=2.51
sdW=611.8
fwW=2.49
sdS=64.0
fwS=2.59
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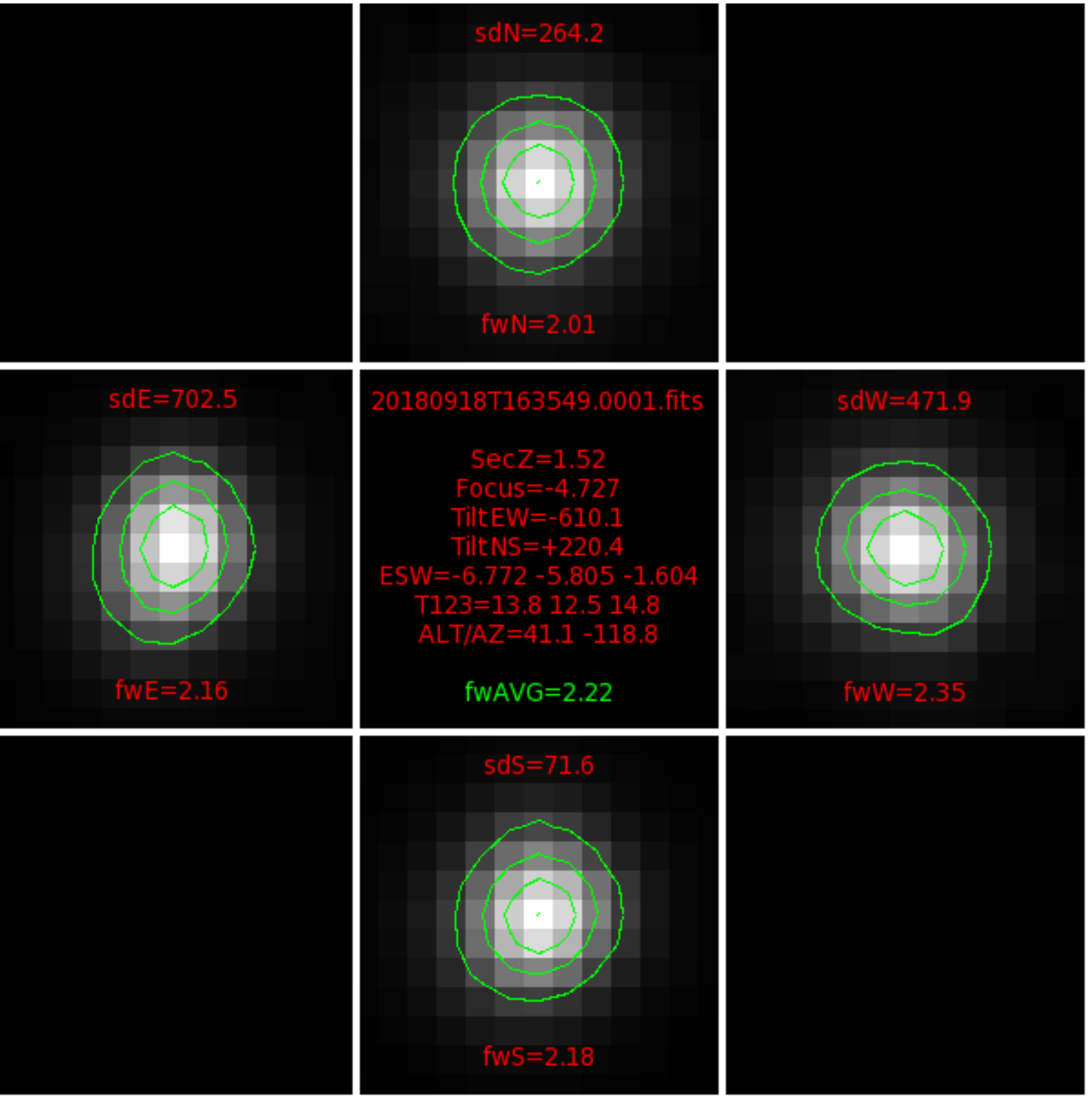
sdN=264.2
fwN=2.01
sdE=702.5
fwE=2.16
20180918T163549.0001.fits
SecZ=1.52
Focus=-4.727
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.772 -5.805 -1.604
T123=13.8 12.5 14.8
ALT/AZ=41.1 -118.8
fwAVG=2.22
sdW=471.9
fwW=2.35
sdS=71.6
fwS=2.18
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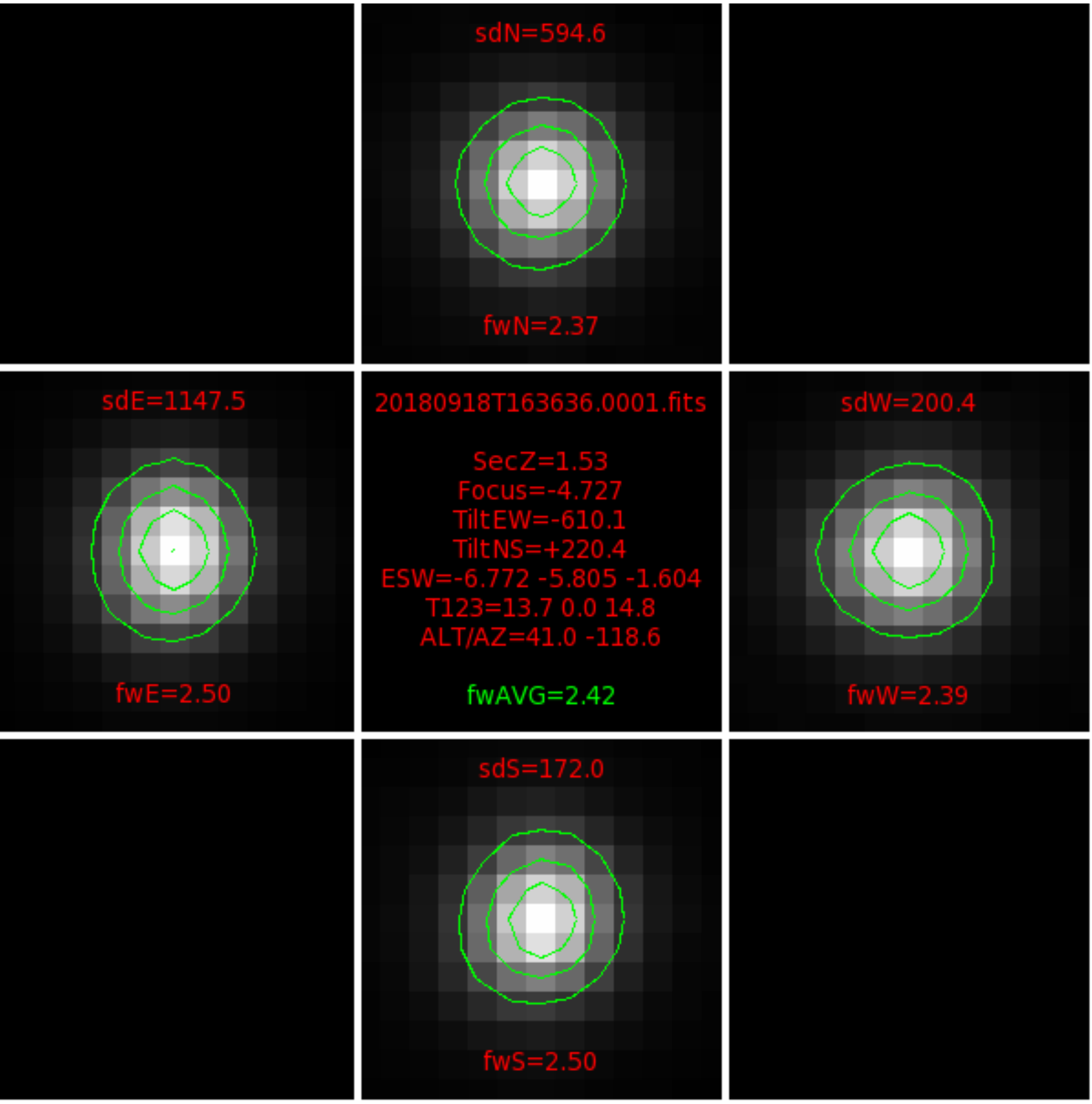
sdN=594.6
fwN=2.37
sdE=1147.5
fwE=2.50
20180918T163636.0001.fits
SecZ=1.53
Focus=-4.727
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.772 -5.805 -1.604
T123=13.7 0.0 14.8
ALT/AZ=41.0 -118.6
fwAVG=2.42
sdW=200.4
fwW=2.39
sdS=172.0
fwS=2.50
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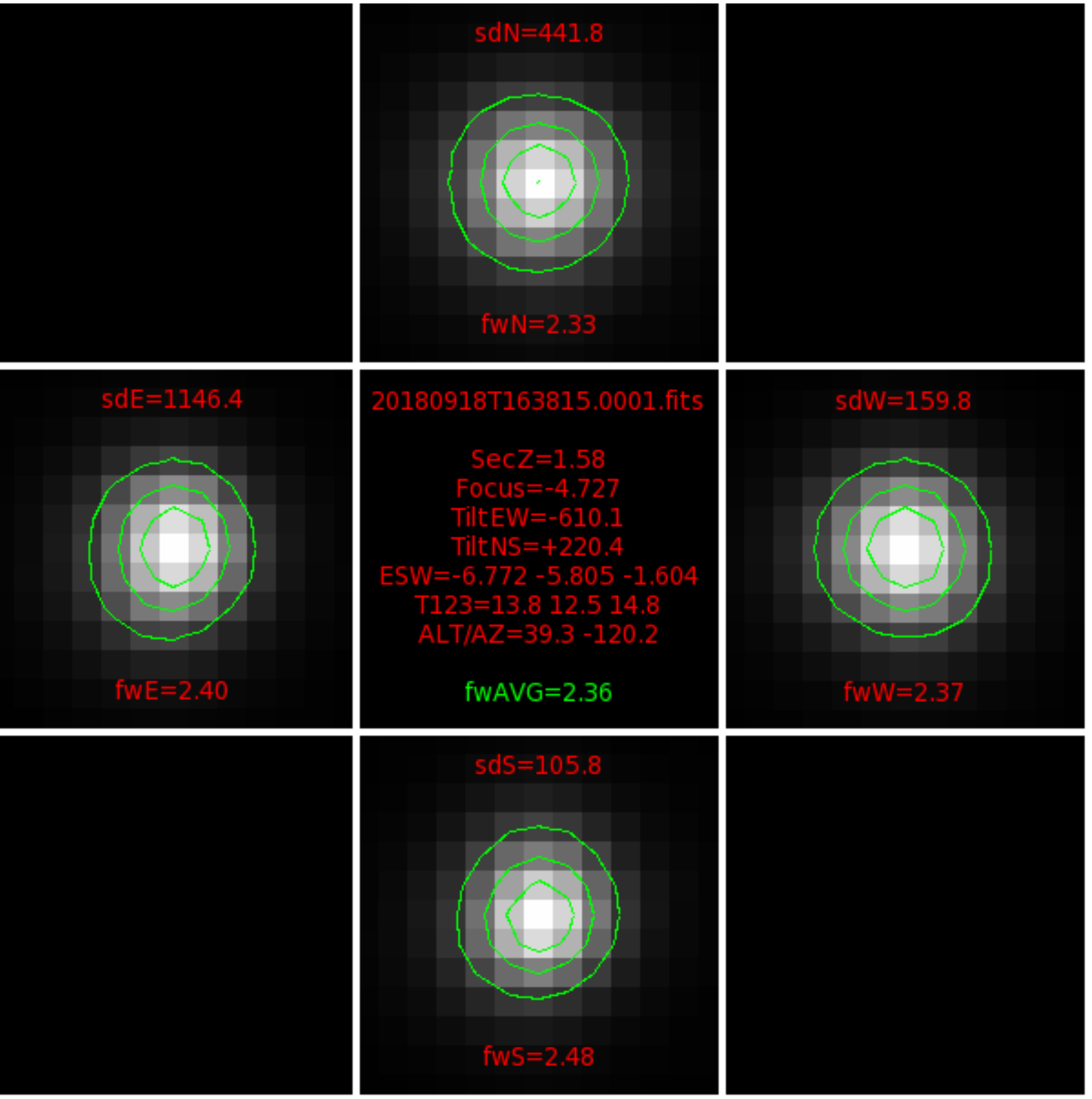
sdN=441.8
fwN=2.33
sdE=1146.4
fwE=2.40
20180918T163815.0001.fits
SecZ=1.58
Focus=-4.727
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.772 -5.805 -1.604
T123=13.8 12.5 14.8
ALT/AZ=39.3 -120.2
fwAVG=2.36
sdW=159.8
fwW=2.37
sdS=105.8
fwS=2.48
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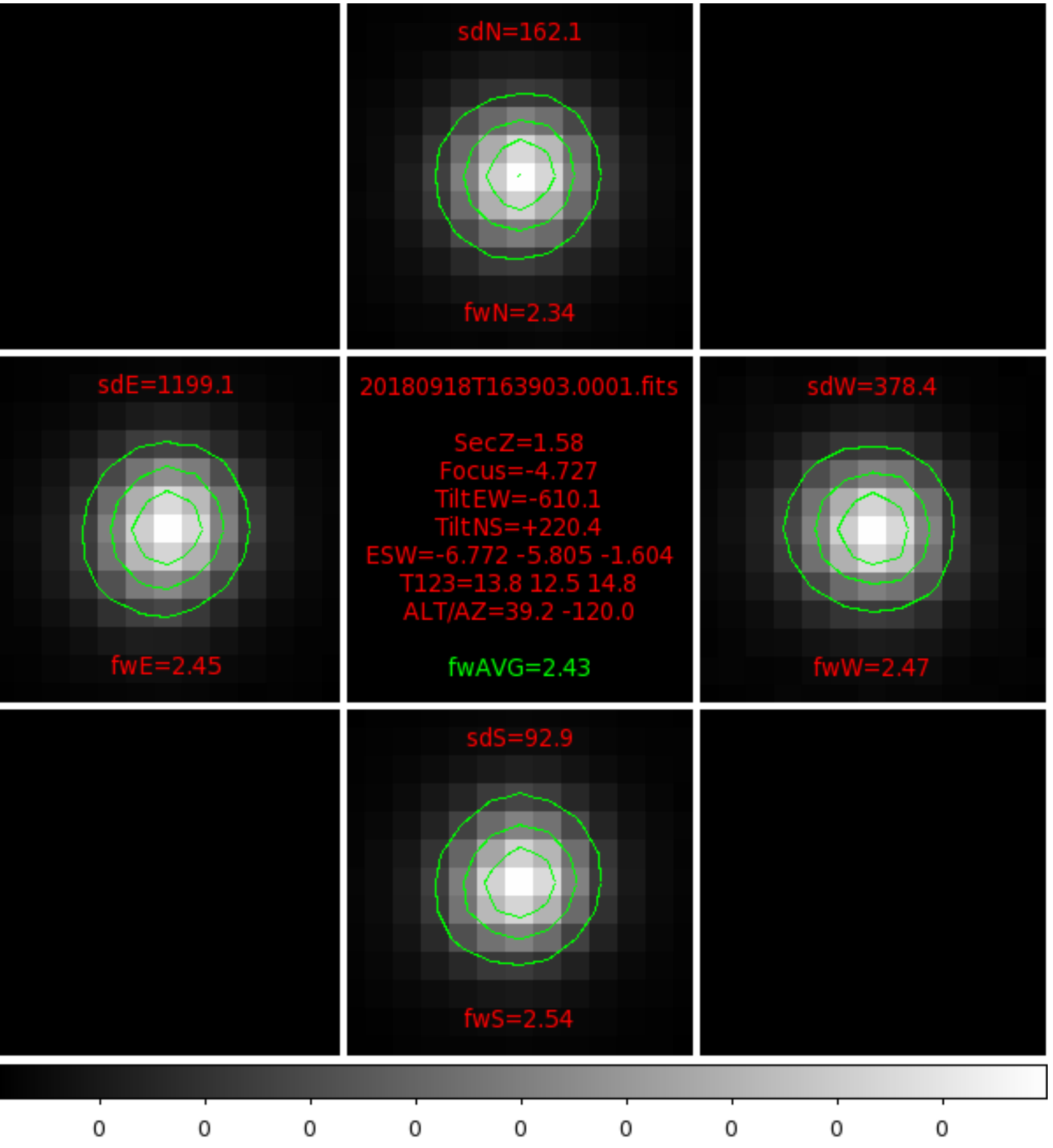
sdN=162.1
fwN=2.34
sdE=1199.1
fwE=2.45
20180918T163903.0001.fits
SecZ=1.58
Focus=-4.727
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.772 -5.805 -1.604
T123=13.8 12.5 14.8
ALT/AZ=39.2 -120.0
fwAVG=2.43
sdW=378.4
fwW=2.47
sdS=92.9
fwS=2.54
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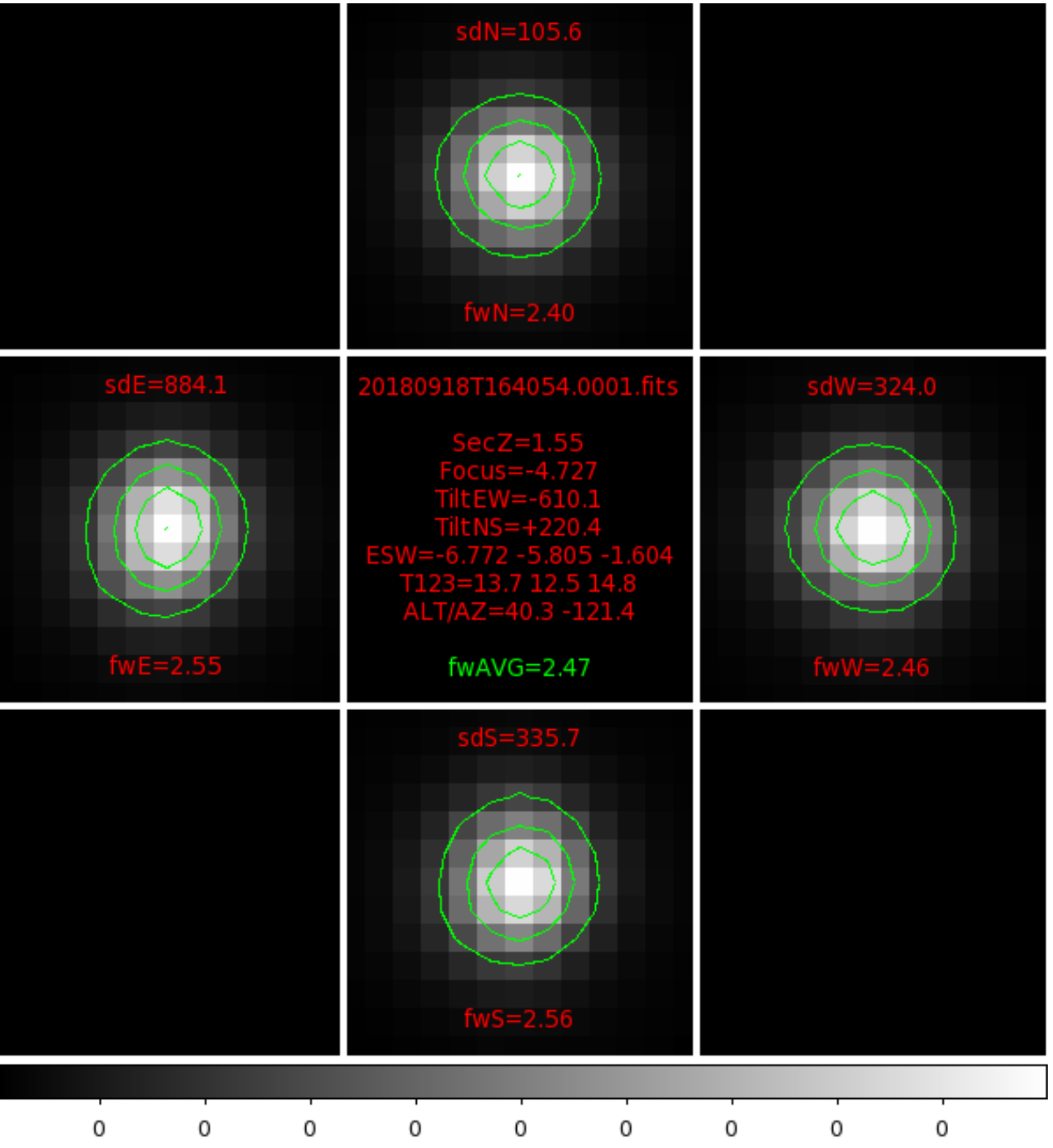
sdN=105.6
fwN=2.40
sdE=884.1
fwE=2.55
20180918T164054.0001.fits
SecZ=1.55
Focus=-4.727
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.772 -5.805 -1.604
T123=13.7 12.5 14.8
ALT/AZ=40.3 -121.4
fwAVG=2.47
sdW=324.0
fwW=2.46
sdS=335.7
fwS=2.56
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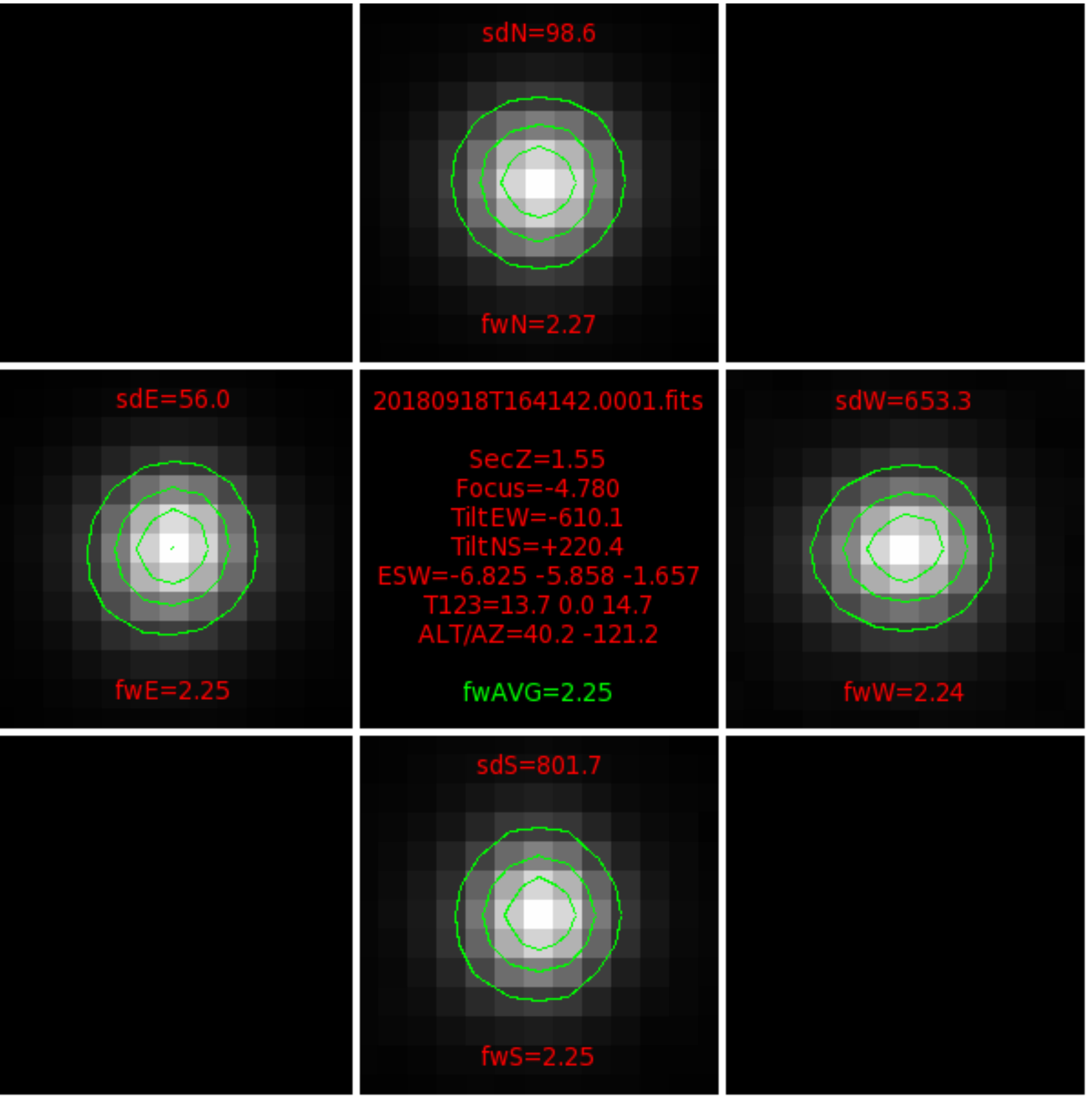
sdN=98.6
fwN=2.27
sdE=56.0
fwE=2.25
20180918T164142.0001.fits
SecZ=1.55
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=13.7 0.0 14.7
ALT/AZ=40.2 -121.2
fwAVG=2.25
sdW=653.3
fwW=2.24
sdS=801.7
fwS=2.25
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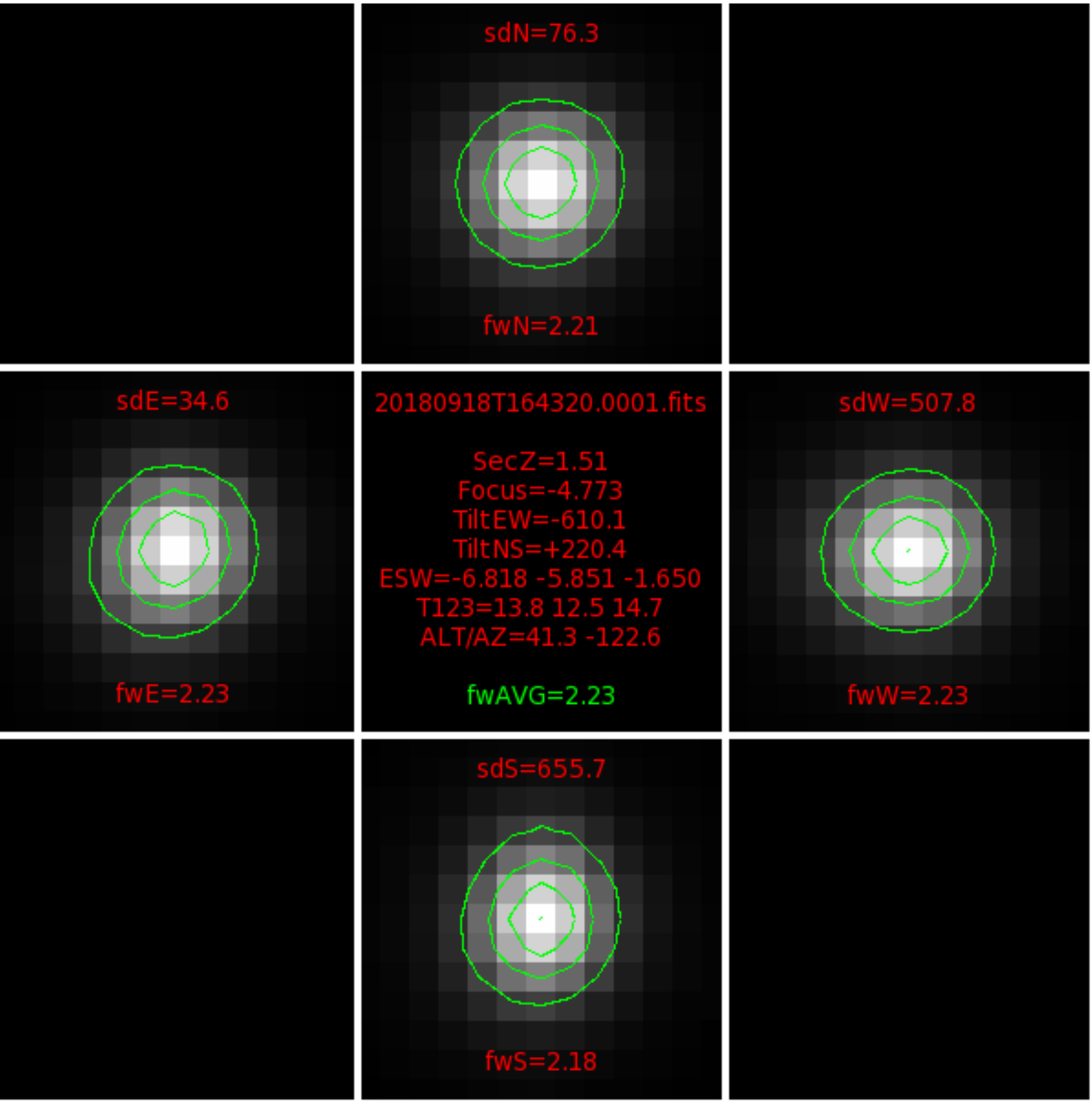
sdN=76.3
fwN=2.21
sdE=34.6
fwE=2.23
20180918T164320.0001.fits
SecZ=1.51
Focus=-4.773
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.818 -5.851 -1.650
T123=13.8 12.5 14.7
ALT/AZ=41.3 -122.6
fwAVG=2.23
sdW=507.8
fwW=2.23
sdS=655.7
fwS=2.18
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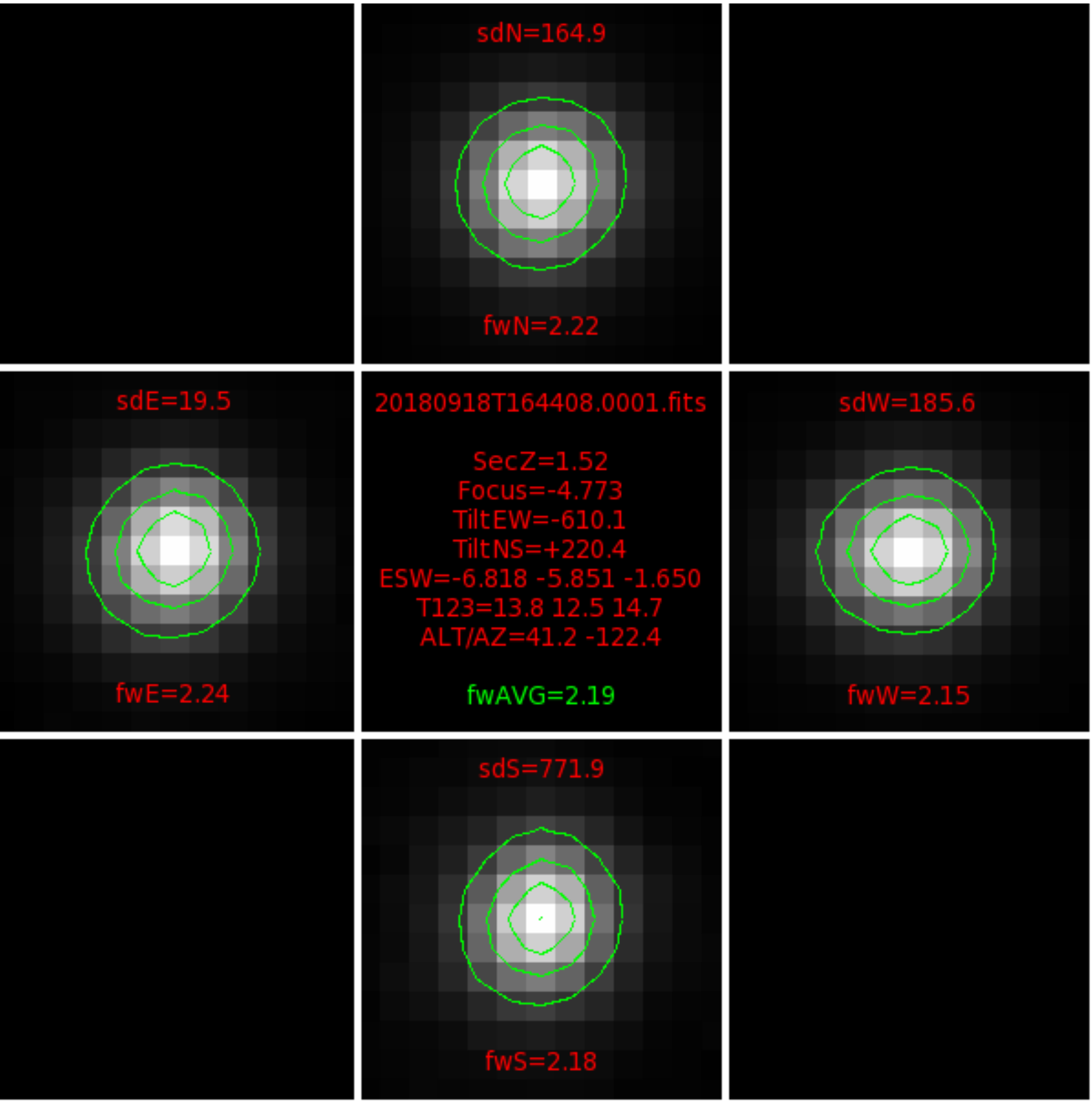
sdN=164.9
fwN=2.22
sdE=19.5
fwE=2.24
20180918T164408.0001.fits
SecZ=1.52
Focus=-4.773
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.818 -5.851 -1.650
T123=13.8 12.5 14.7
ALT/AZ=41.2 -122.4
fwAVG=2.19
sdW=185.6
fwW=2.15
sdS=771.9
fwS=2.18
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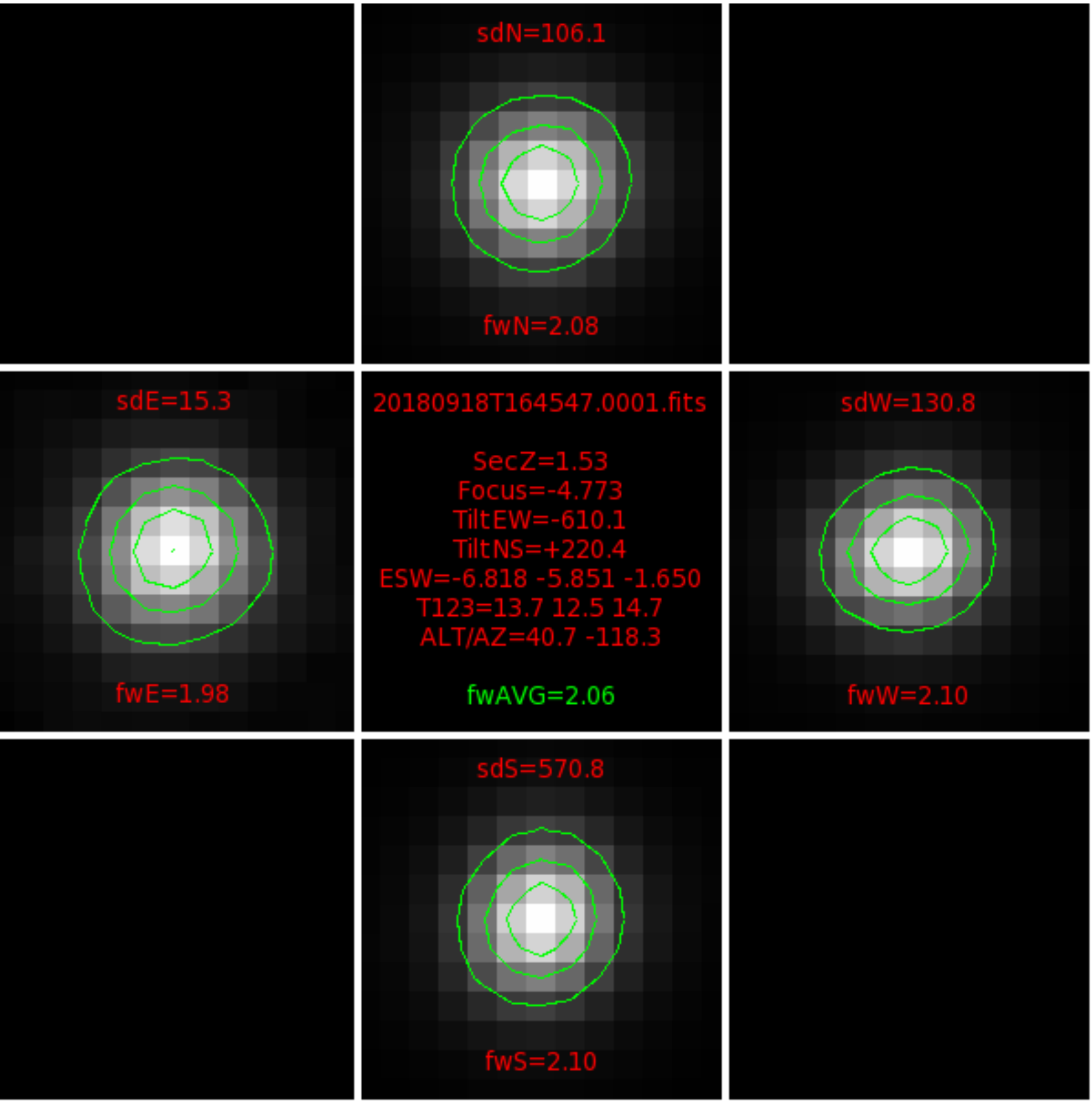
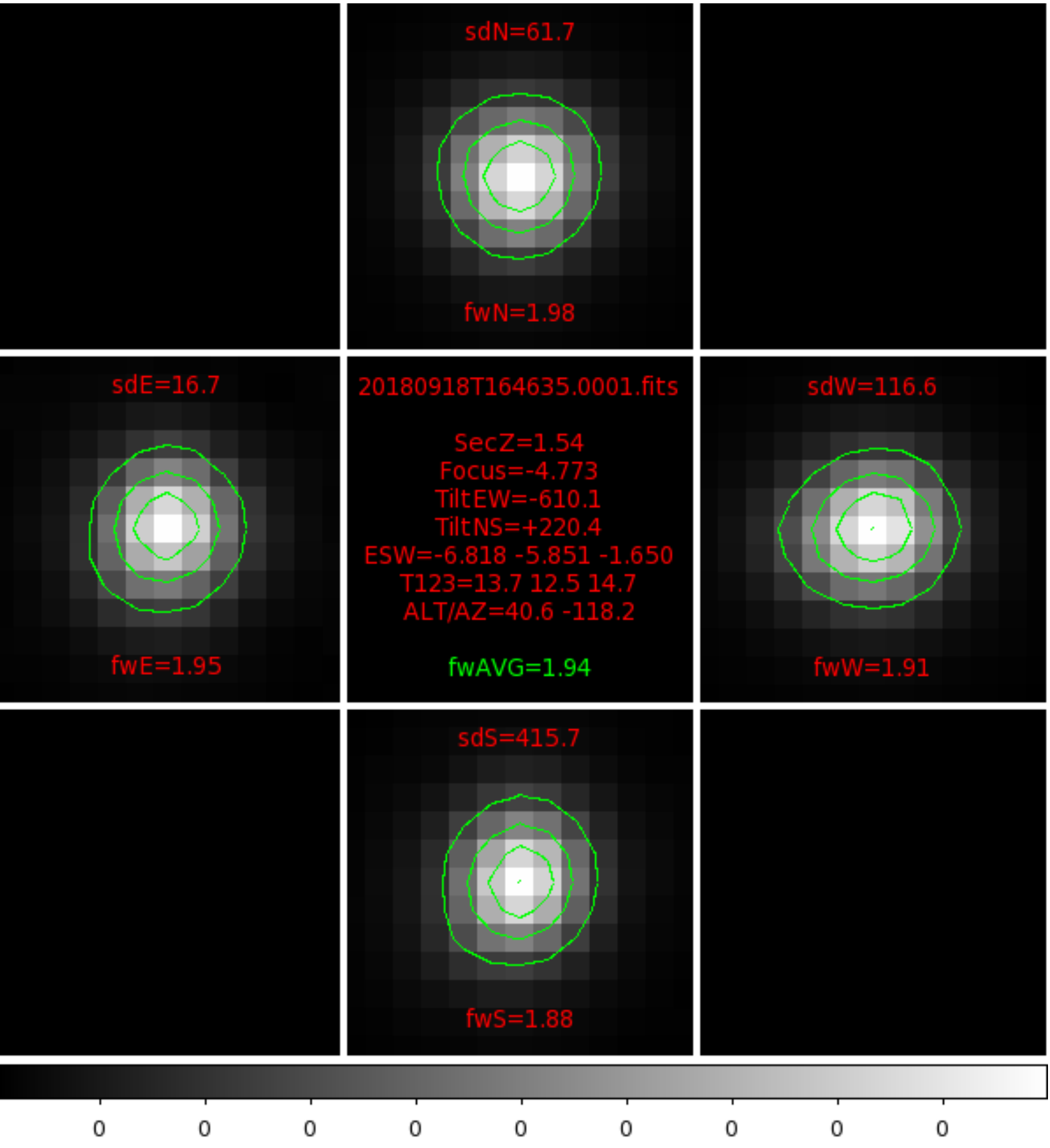

sdN=106.1
fwN=2.08
sdE=15.3
fwE=1.98
20180918T164547.0001.fits
SecZ=1.53
Focus=-4.773
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.818 -5.851 -1.650
T123=13.7 12.5 14.7
ALT/AZ=40.7 -118.3
fwAVG=2.06
sdW=130.8
fwW=2.10
sdS=570.8
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=61.7
fwN=1.98
sdE=16.7
fwE=1.95
20180918T164635.0001.fits
SecZ=1.54
Focus=-4.773
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.818 -5.851 -1.650
T123=13.7 12.5 14.7
ALT/AZ=40.6 -118.2
fwAVG=1.94
sdW=116.6
fwW=1.91
sdS=415.7
fwS=1.88
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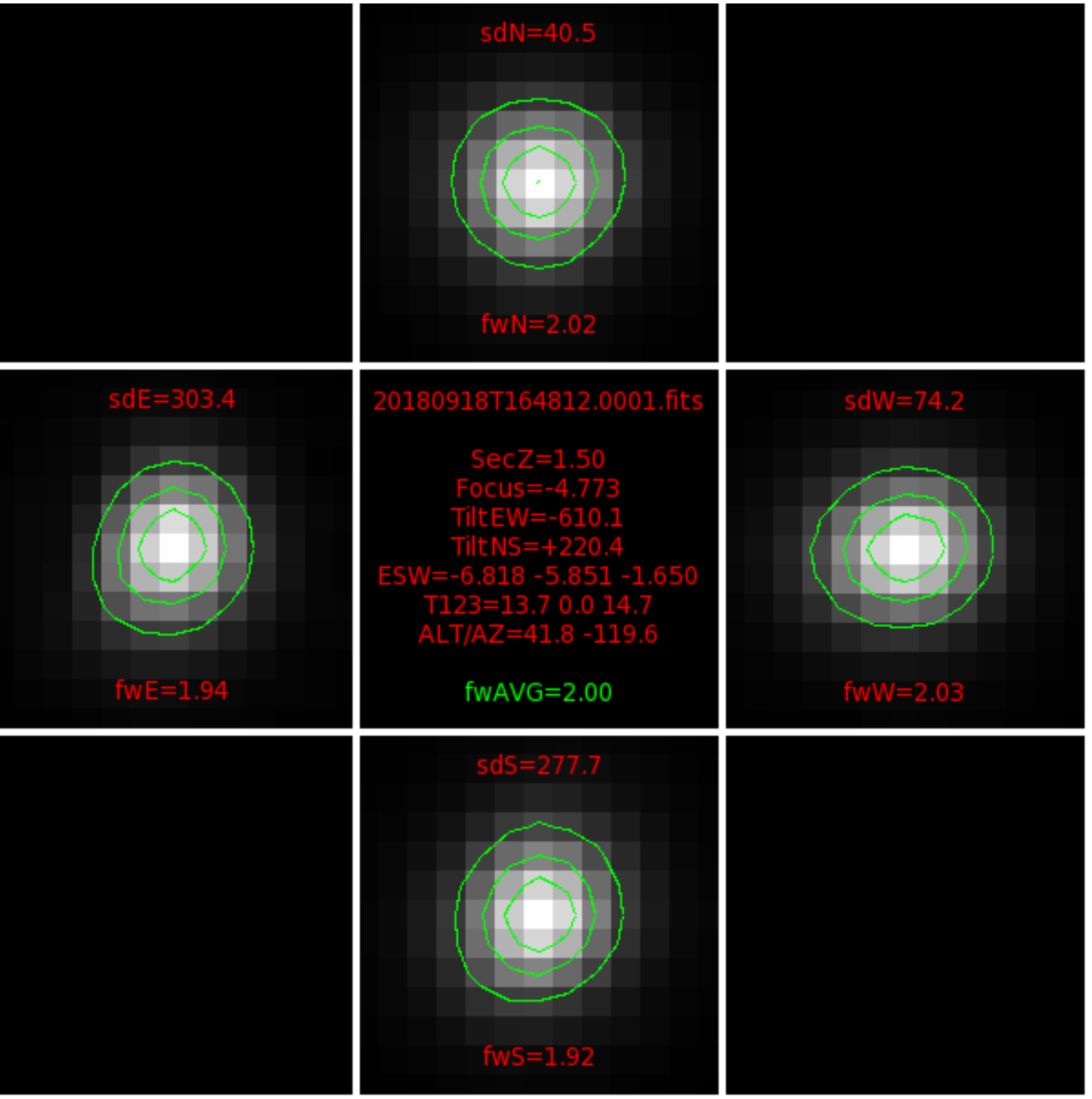
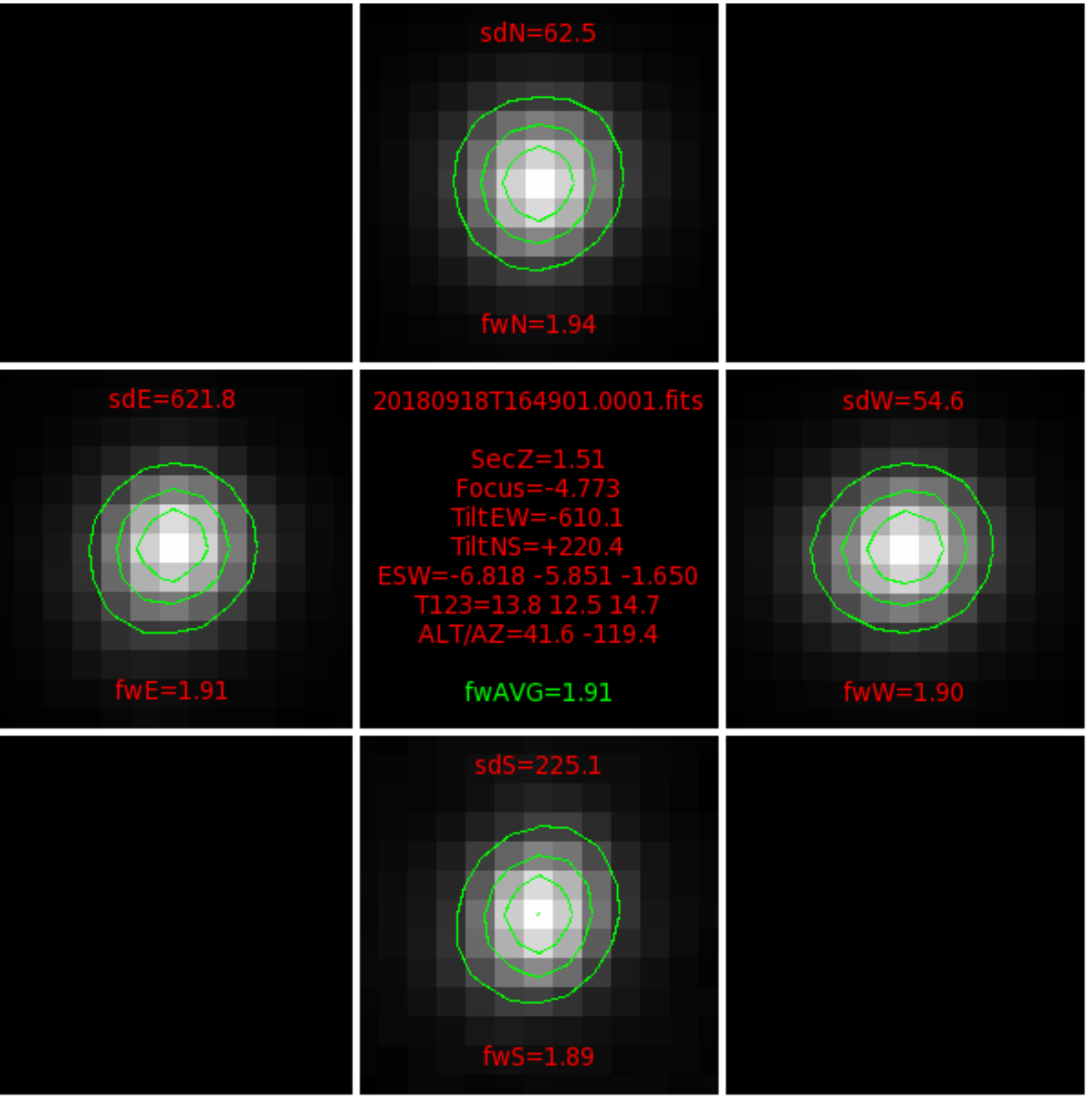
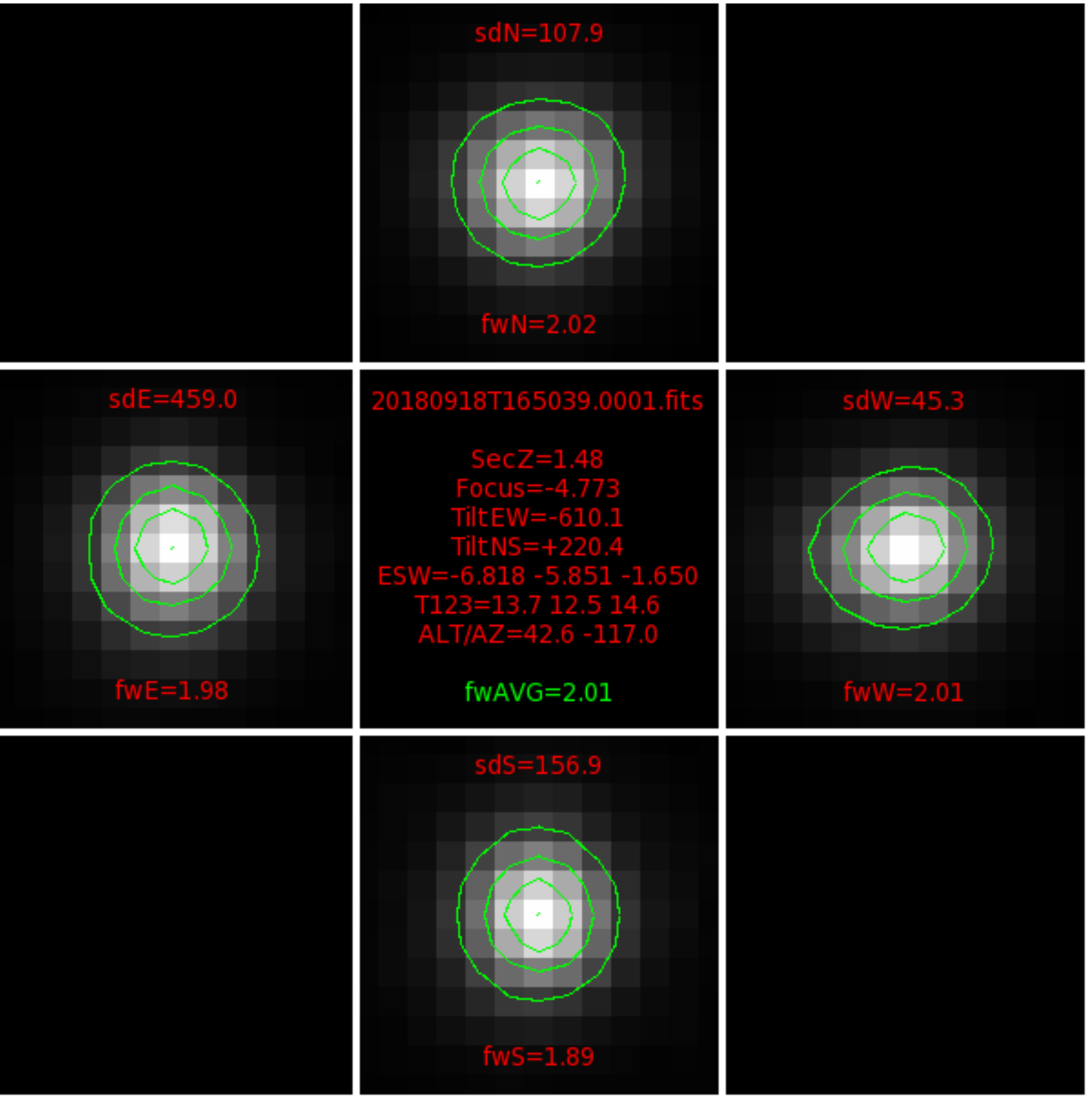

sdN=40.5
fwN=2.02
sdE=303.4
fwE=1.94
20180918T164812.0001.fits
SecZ=1.50
Focus=-4.773
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.818 -5.851 -1.650
T123=13.7 0.0 14.7
ALT/AZ=41.8 -119.6
fwAVG=2.00
sdW=74.2
fwW=2.03
sdS=277.7
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=62.5
fwN=1.94
sdE=621.8
fwE=1.91
20180918T164901.0001.fits
SecZ=1.51
Focus=-4.773
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.818 -5.851 -1.650
T123=13.8 12.5 14.7
ALT/AZ=41.6 -119.4
fwAVG=1.91
sdW=54.6
fwW=1.90
sdS=225.1
fwS=1.89
0 0 0 0 0 0 0 0 0


sdN=107.9
fwN=2.02
sdE=459.0
fwE=1.98
20180918T165039.0001.fits
SecZ=1.48
Focus=-4.773
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.818 -5.851 -1.650
T123=13.7 12.5 14.6
ALT/AZ=42.6 -117.0
fwAVG=2.01
sdW=45.3
fwW=2.01
sdS=156.9
fwS=1.89
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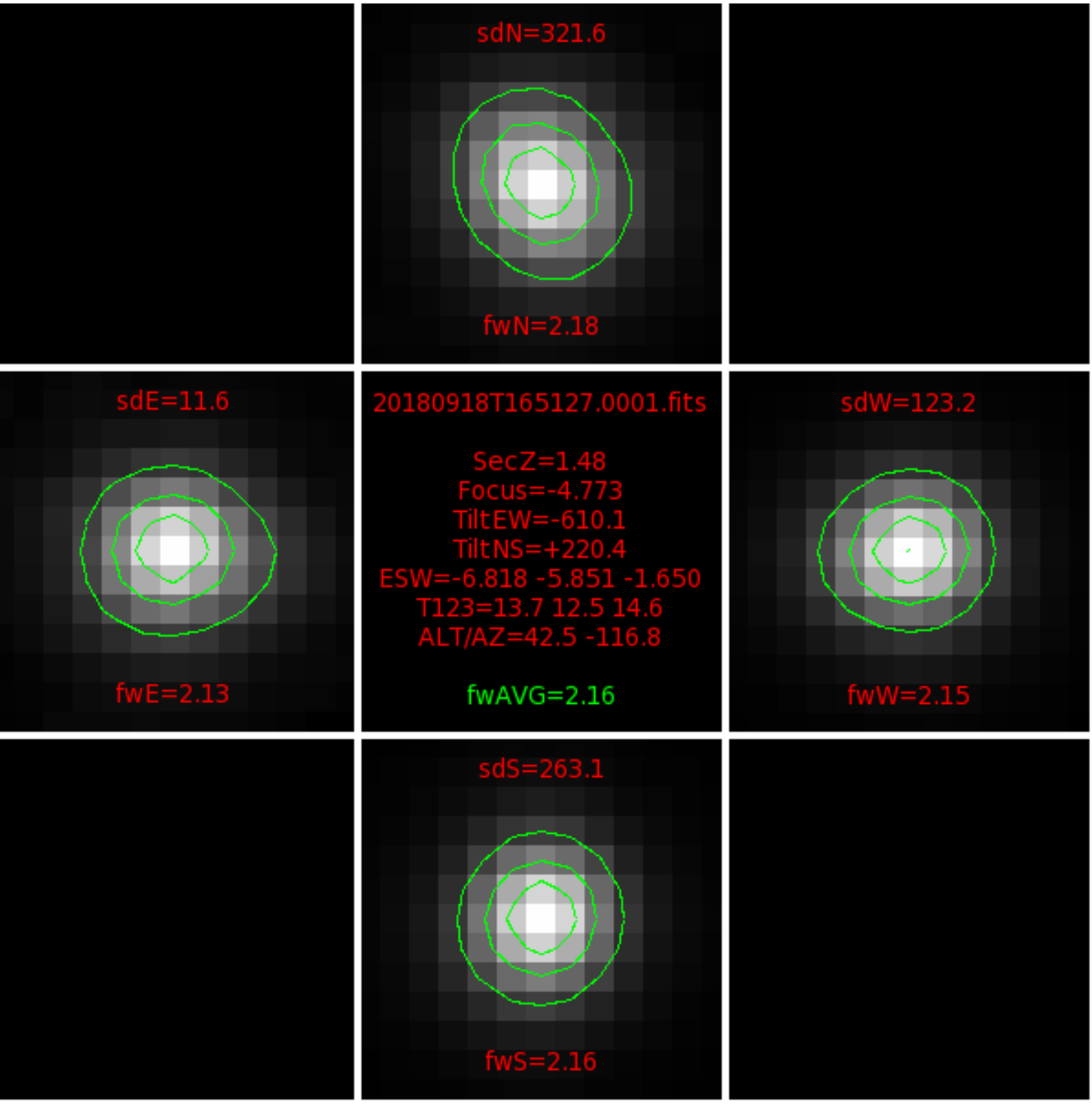
sdN=321.6
fwN=2.18
sdE=11.6
fwE=2.13
20180918T165127.0001.fits
SecZ=1.48
Focus=-4.773
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.818 -5.851 -1.650
T123=13.7 12.5 14.6
ALT/AZ=42.5 -116.8
fwAVG=2.16
sdW=123.2
fwW=2.15
sdS=263.1
fwS=2.16
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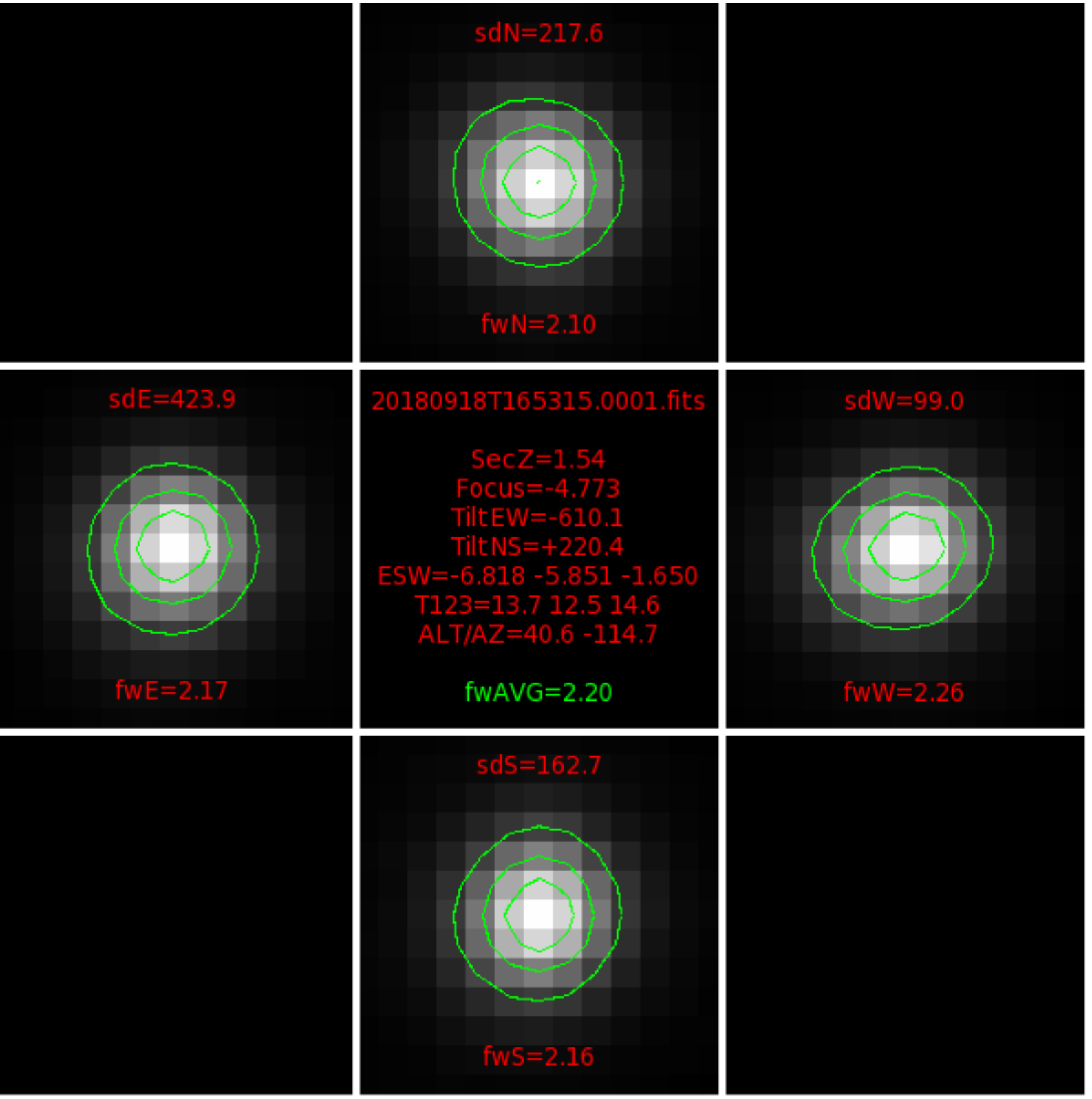
sdN=217.6
fwN=2.10
sdE=423.9
fwE=2.17
20180918T165315.0001.fits
SecZ=1.54
Focus=-4.773
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.818 -5.851 -1.650
T123=13.7 12.5 14.6
ALT/AZ=40.6 -114.7
fwAVG=2.20
sdW=99.0
fwW=2.26
sdS=162.7
fwS=2.16
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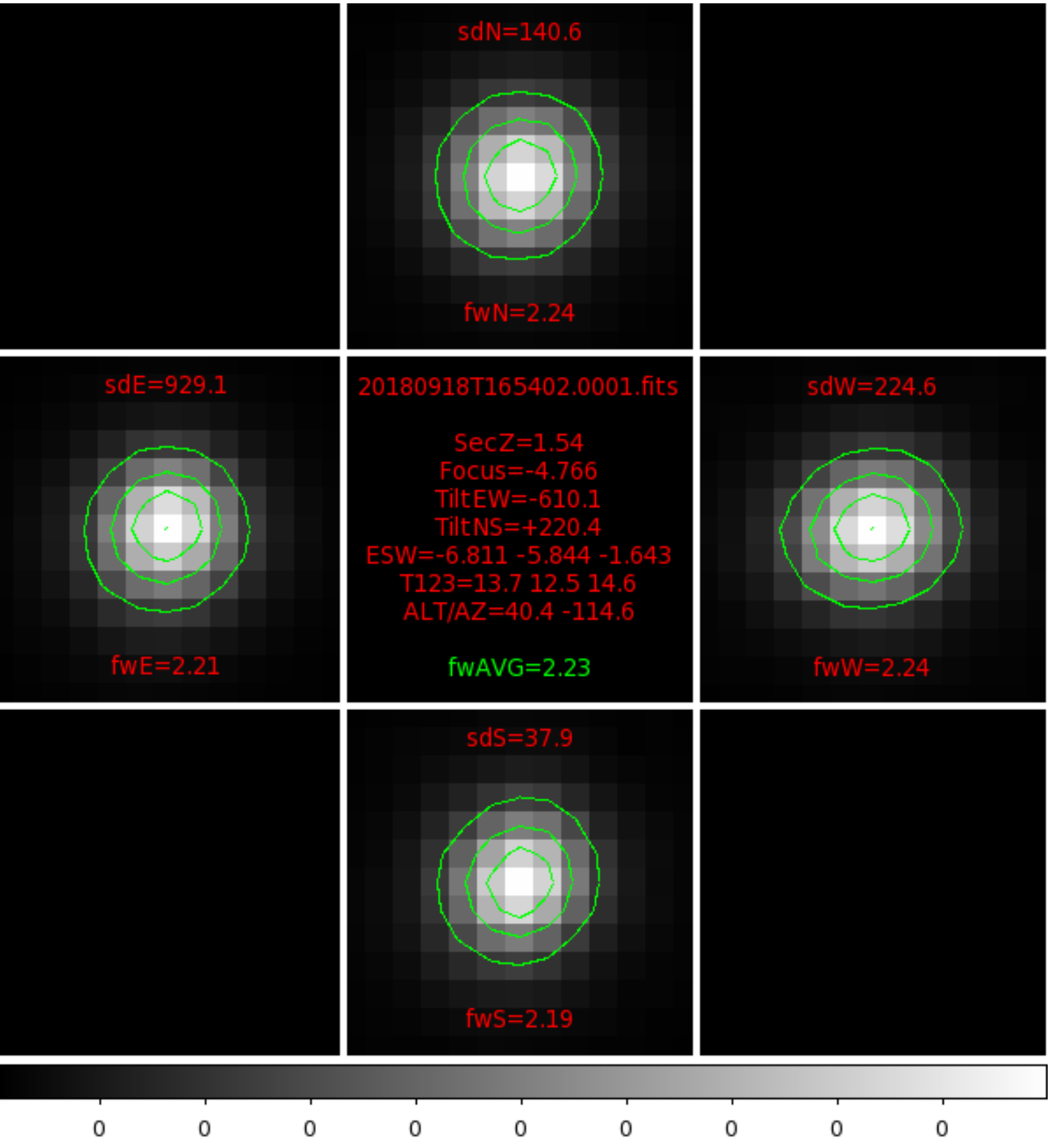
sdN=140.6
fwN=2.24
sdE=929.1
fwE=2.21
20180918T165402.0001.fits
SecZ=1.54
Focus=-4.766
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.811 -5.844 -1.643
T123=13.7 12.5 14.6
ALT/AZ=40.4 -114.6
fwAVG=2.23
sdW=224.6
fwW=2.24
sdS=37.9
fwS=2.19
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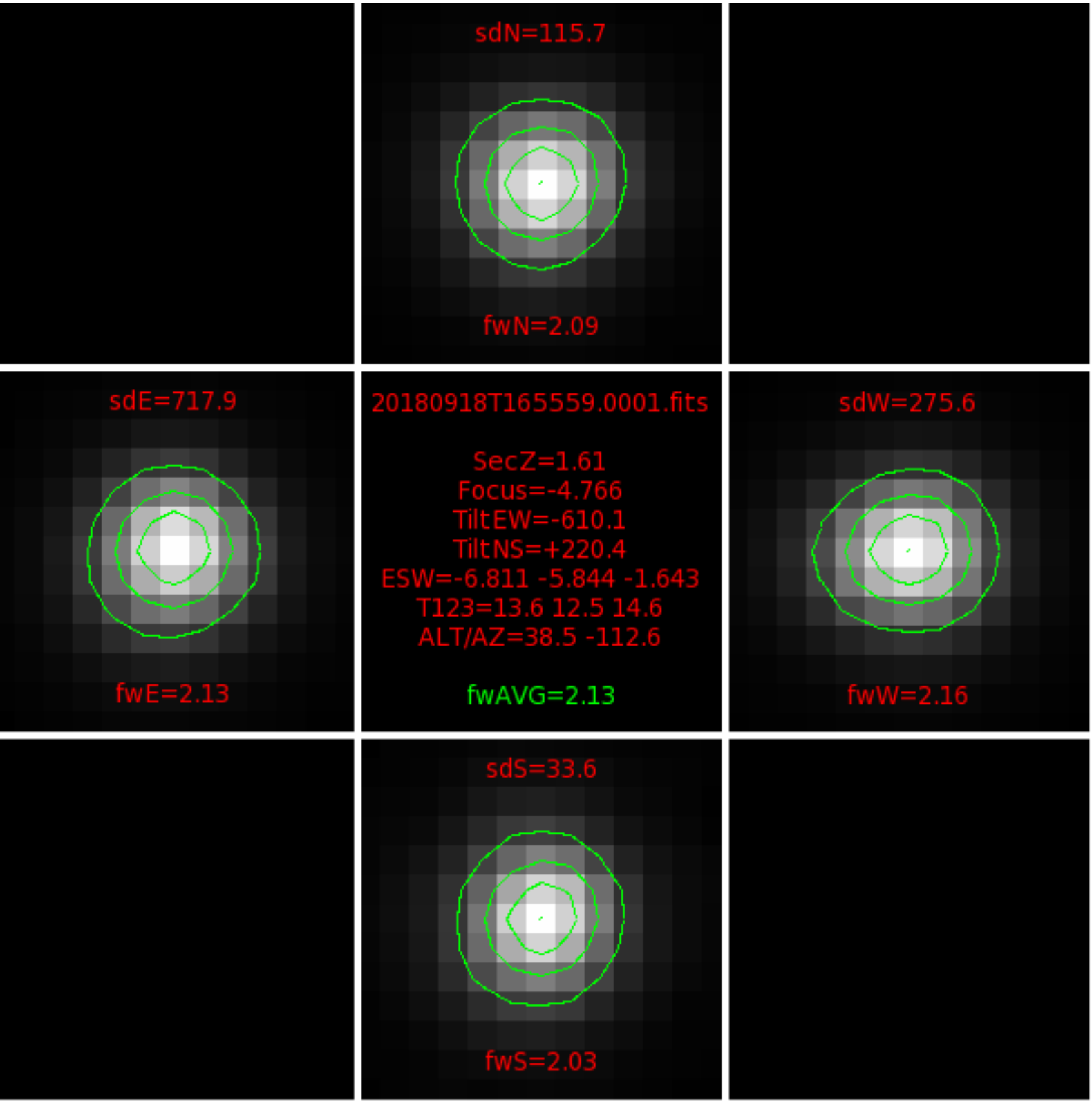
sdN=115.7
fwN=2.09
sdE=717.9
fwE=2.13
20180918T165559.0001.fits
SecZ=1.61
Focus=-4.766
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.811 -5.844 -1.643
T123=13.6 12.5 14.6
ALT/AZ=38.5 -112.6
fwAVG=2.13
sdW=275.6
fwW=2.16
sdS=33.6
fwS=2.03
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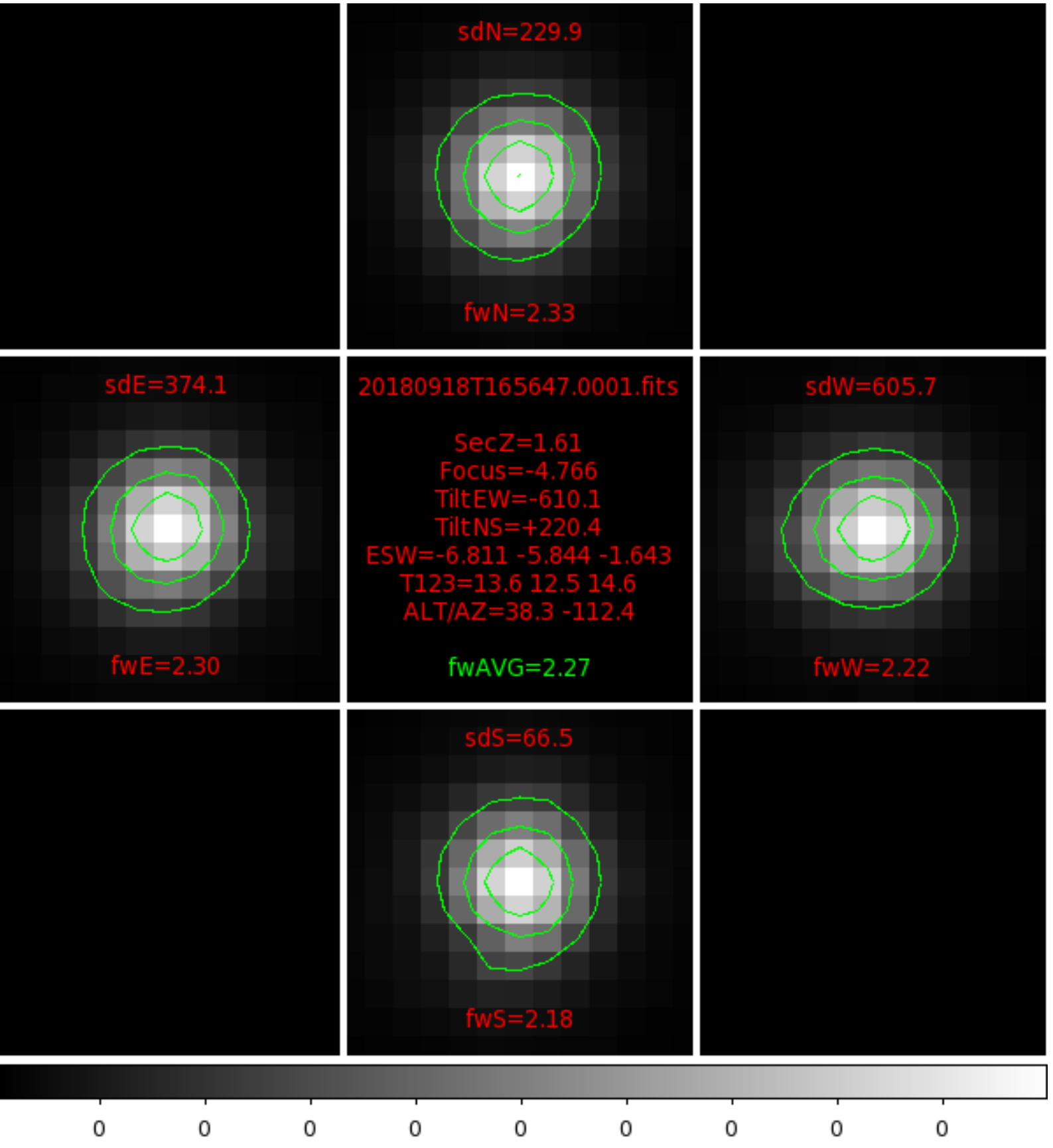
sdN=229.9
fwN=2.33
sdE=374.1
fwE=2.30
20180918T165647.0001.fits
SecZ=1.61
Focus=-4.766
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.811 -5.844 -1.643
T123=13.6 12.5 14.6
ALT/AZ=38.3 -112.4
fwAVG=2.27
sdW=605.7
fwW=2.22
sdS=66.5
fwS=2.18
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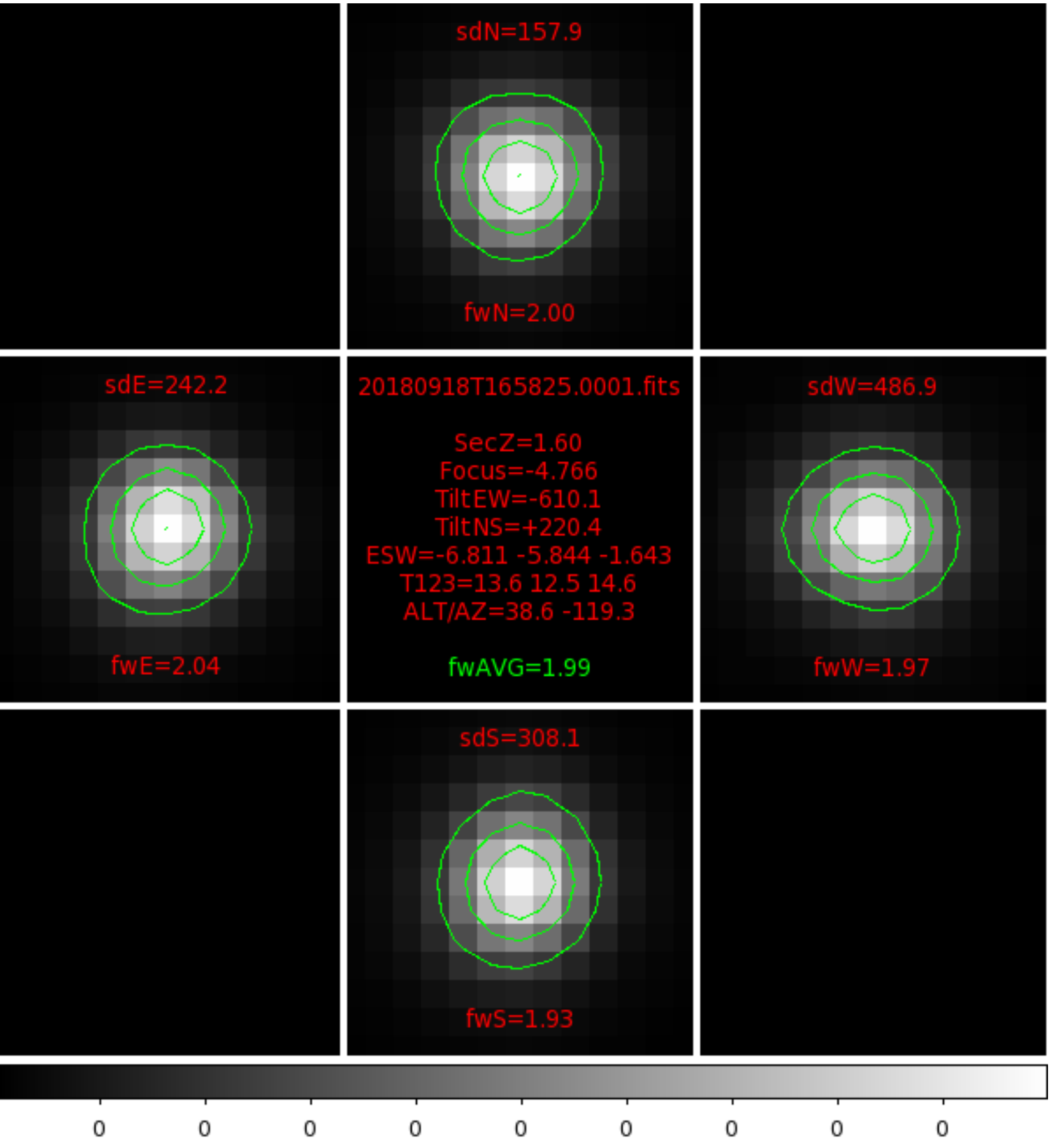
sdN=157.9
fwN=2.00
sdE=242.2
fwE=2.04
20180918T165825.0001.fits
SecZ=1.60
Focus=-4.766
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.811 -5.844 -1.643
T123=13.6 12.5 14.6
ALT/AZ=38.6 -119.3
fwAVG=1.99
sdW=486.9
fwW=1.97
sdS=308.1
fwS=1.93
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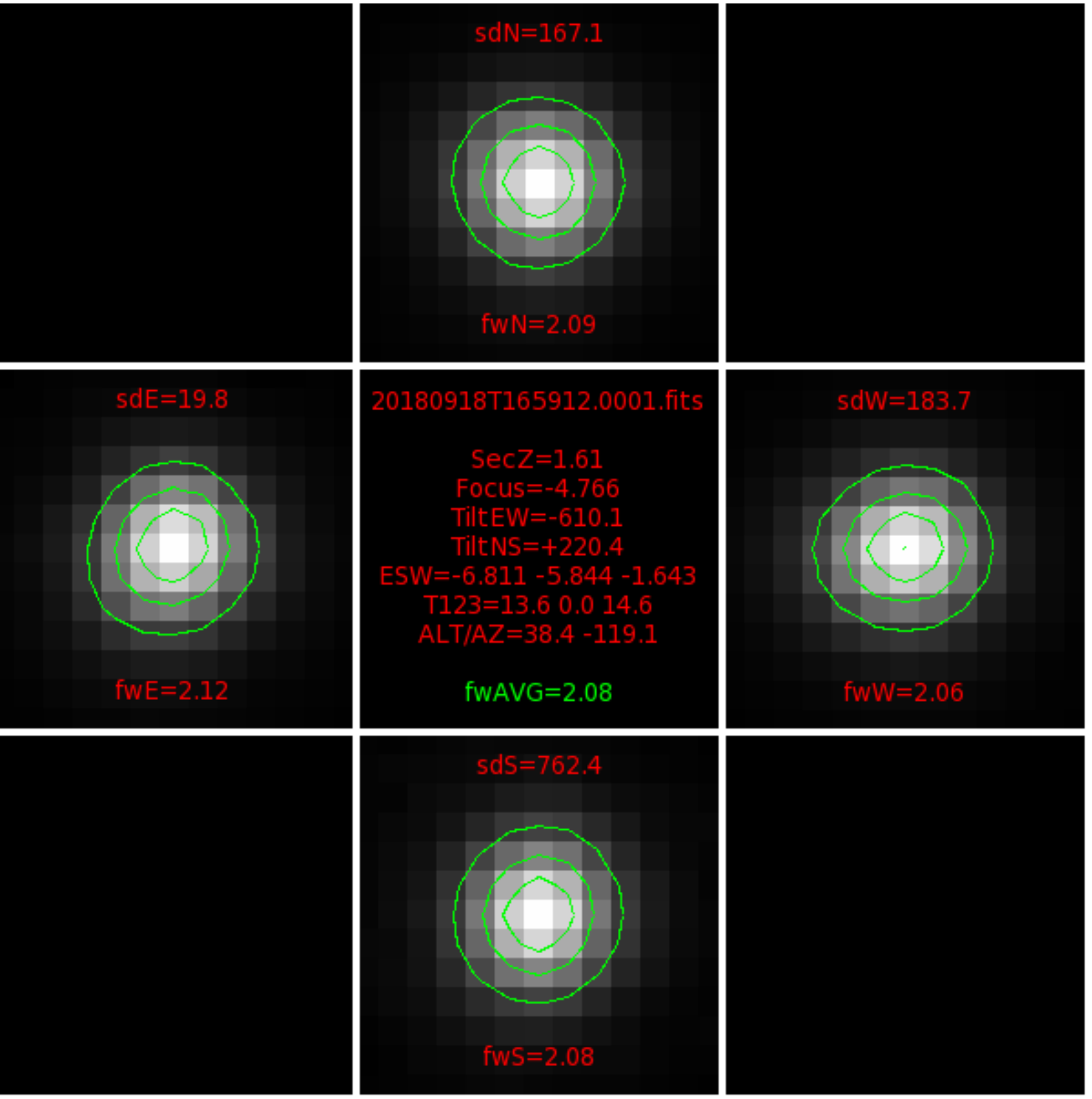
sdN=167.1
fwN=2.09
sdE=19.8
fwE=2.12
20180918T165912.0001.fits
SecZ=1.61
Focus=-4.766
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.811 -5.844 -1.643
T123=13.6 0.0 14.6
ALT/AZ=38.4 -119.1
fwAVG=2.08
sdW=183.7
fwW=2.06
sdS=762.4
fwS=2.08
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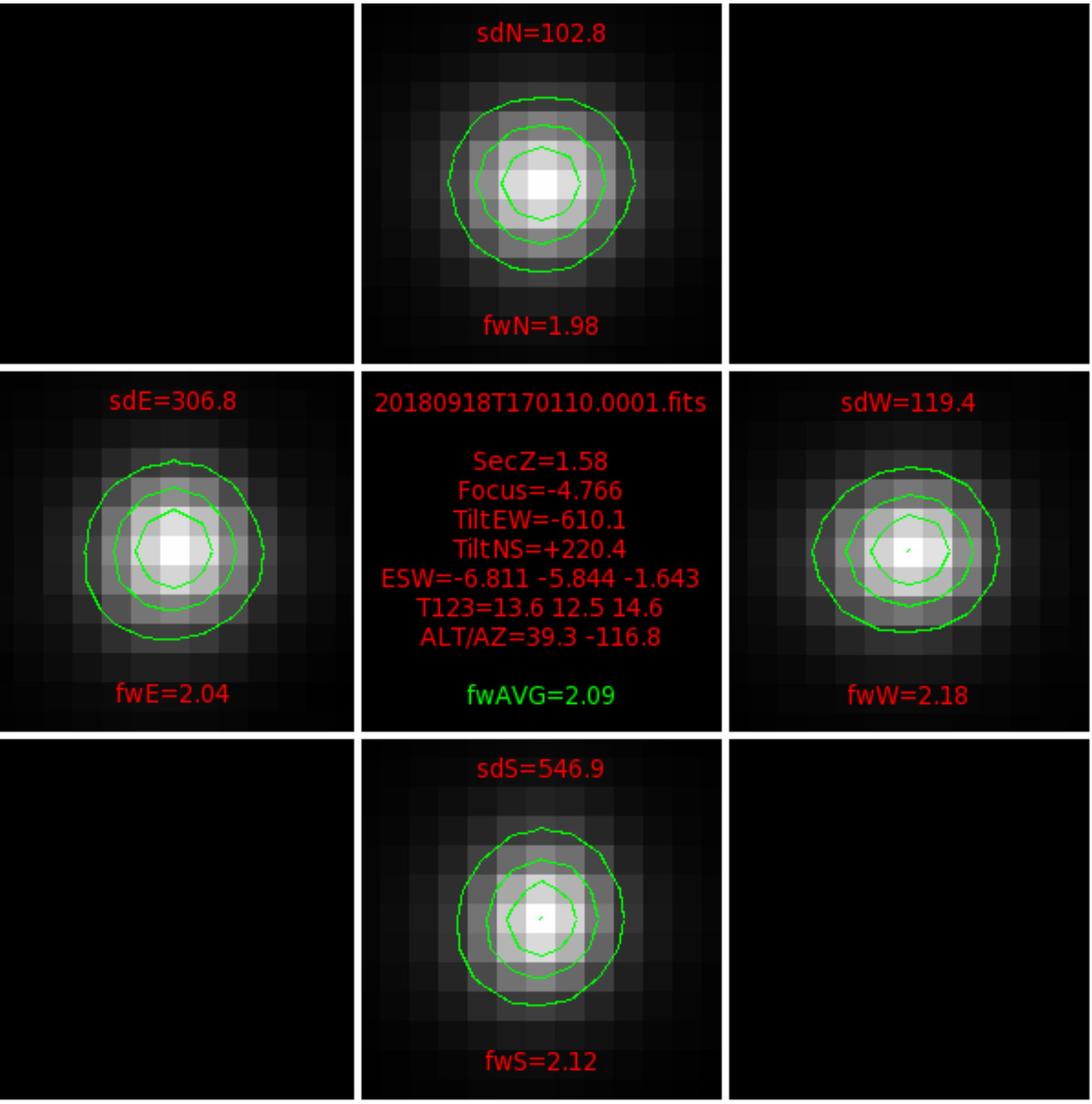
sdN=102.8
fwN=1.98
sdE=306.8
fwE=2.04
20180918T170110.0001.fits
SecZ=1.58
Focus=-4.766
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.811 -5.844 -1.643
T123=13.6 12.5 14.6
ALT/AZ=39.3 -116.8
fwAVG=2.09
sdW=119.4
fwW=2.18
sdS=546.9
fwS=2.12
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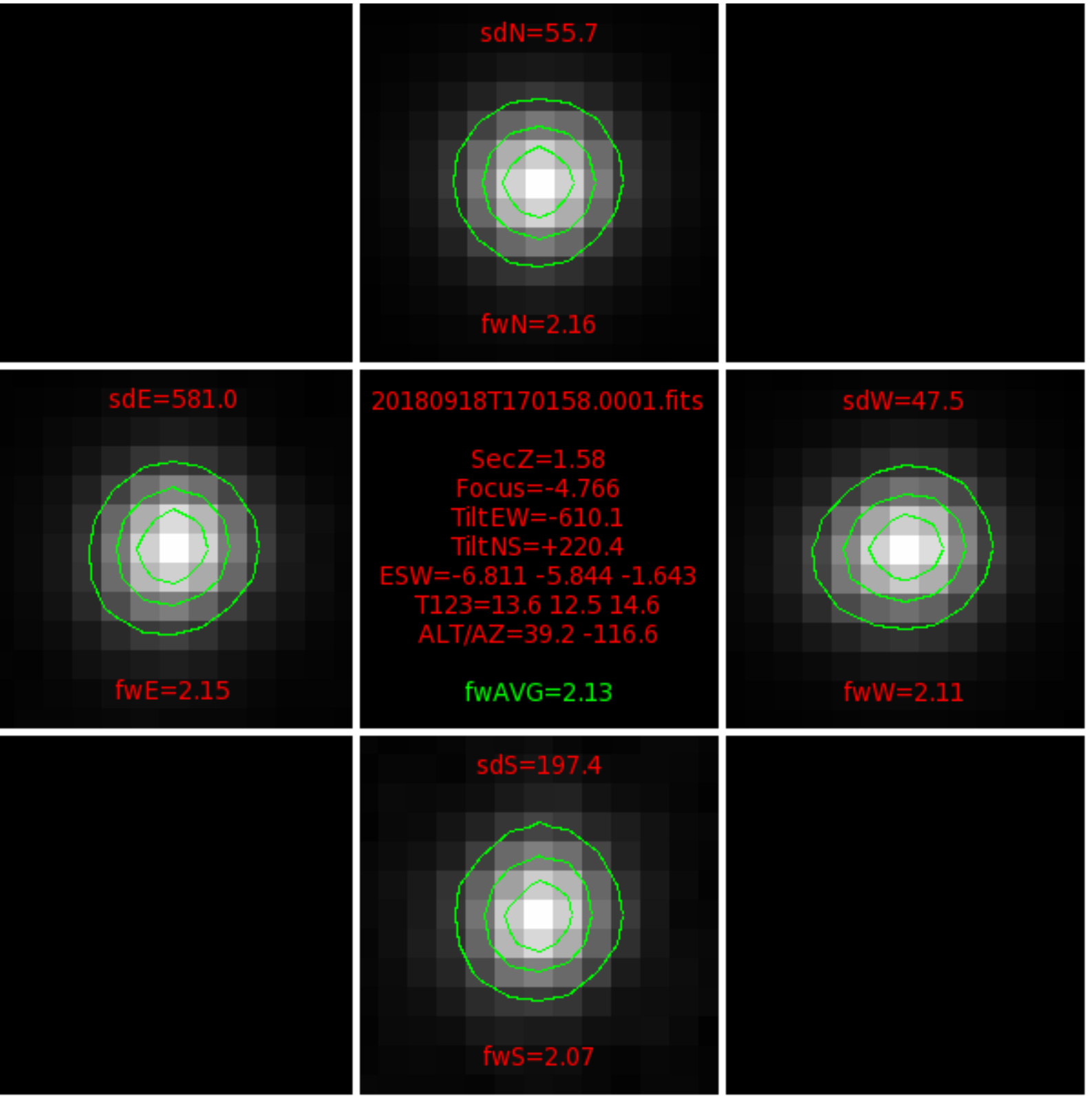
sdN=55.7
fwN=2.16
sdE=581.0
fwE=2.15
20180918T170158.0001.fits
SecZ=1.58
Focus=-4.766
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.811 -5.844 -1.643
T123=13.6 12.5 14.6
ALT/AZ=39.2 -116.6
fwAVG=2.13
sdW=47.5
fwW=2.11
sdS=197.4
fwS=2.07
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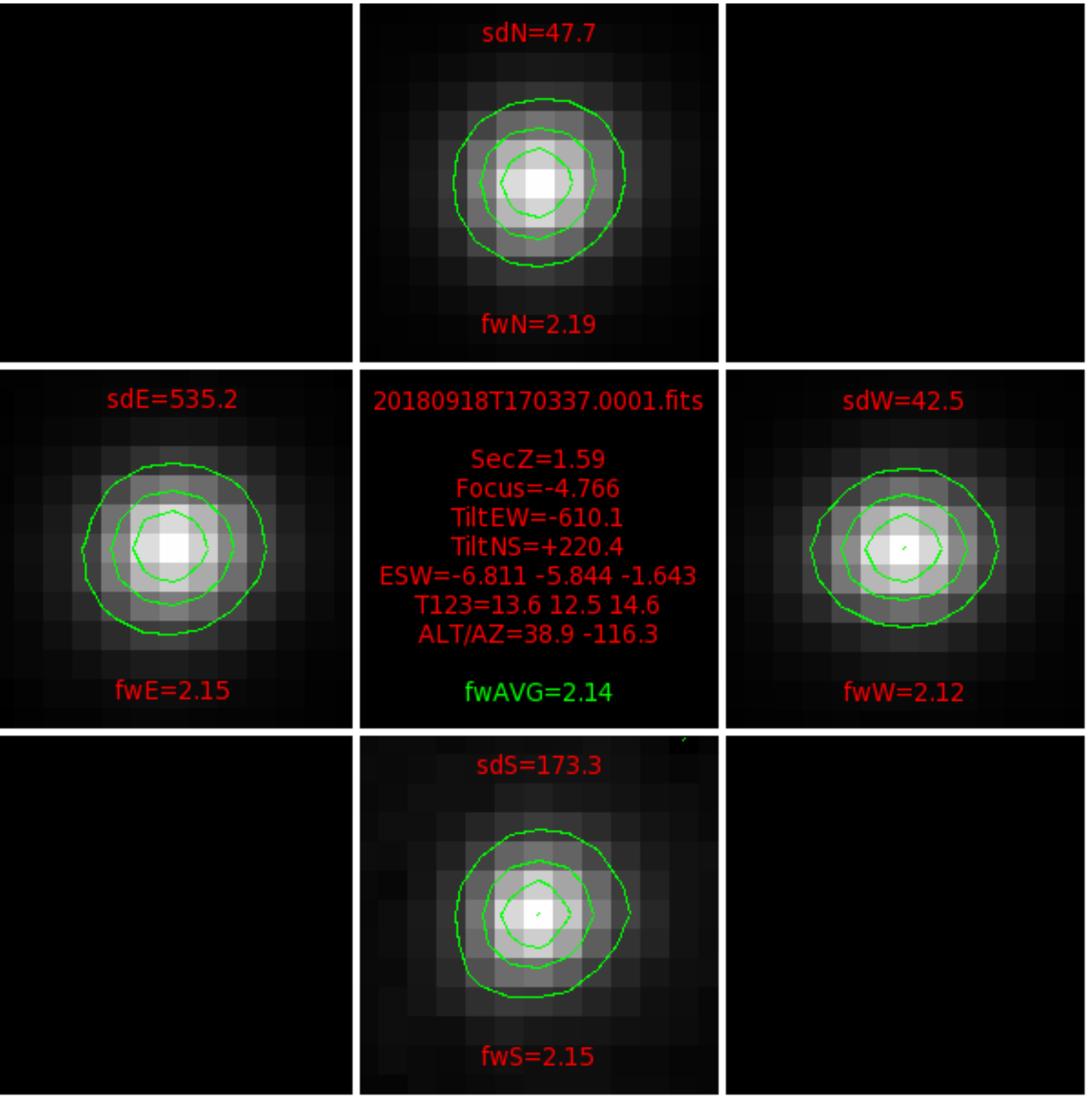
sdN=47.7
fwN=2.19
sdE=535.2
fwE=2.15
20180918T170337.0001.fits
SecZ=1.59
Focus=-4.766
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.811 -5.844 -1.643
T123=13.6 12.5 14.6
ALT/AZ=38.9 -116.3
fwAVG=2.14
sdW=42.5
fwW=2.12
sdS=173.3
fwS=2.15
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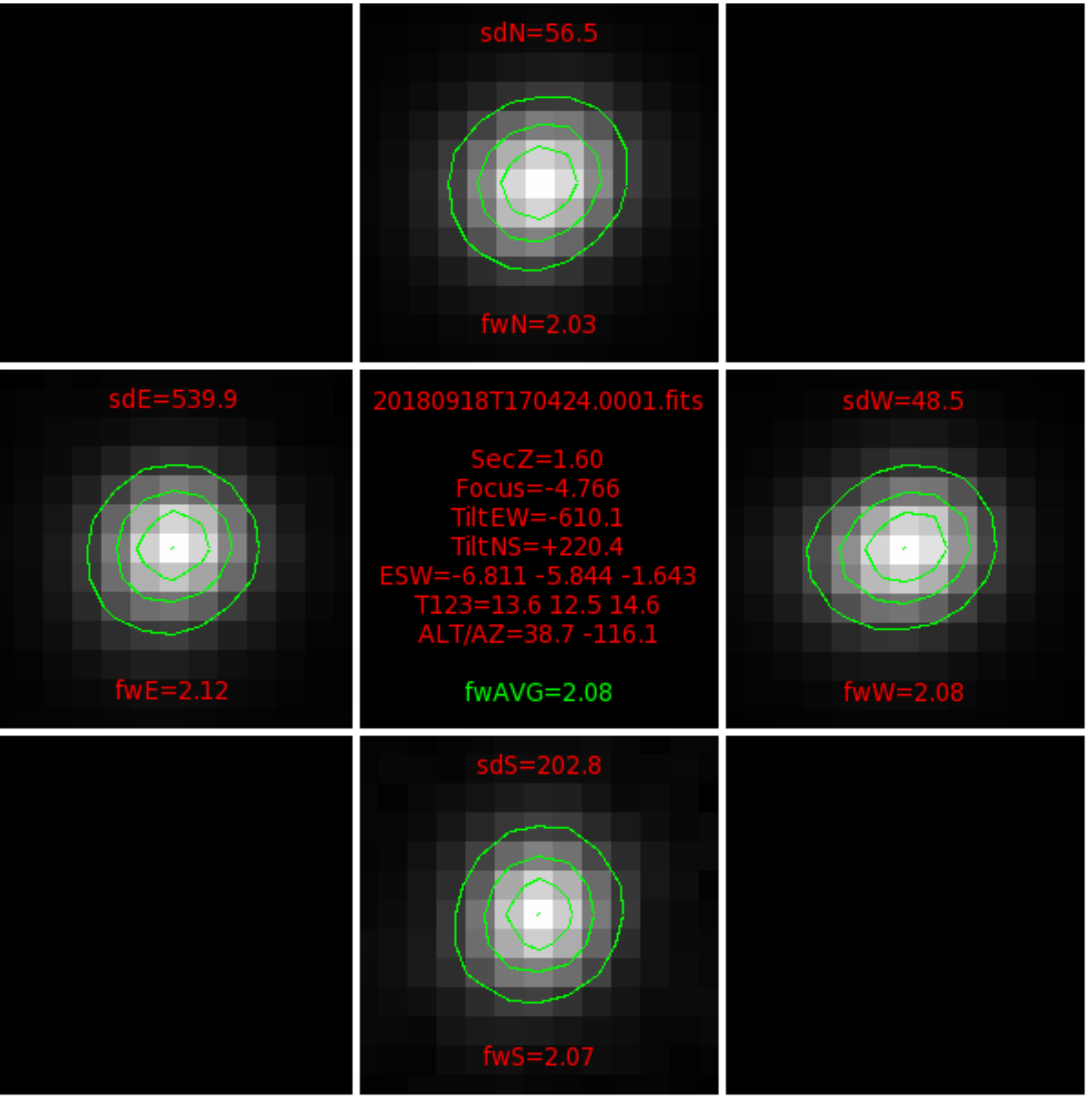
sdN=56.5
fwN=2.03
sdE=539.9
fwE=2.12
20180918T170424.0001.fits
SecZ=1.60
Focus=-4.766
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.811 -5.844 -1.643
T123=13.6 12.5 14.6
ALT/AZ=38.7 -116.1
fwAVG=2.08
sdW=48.5
fwW=2.08
sdS=202.8
fwS=2.07
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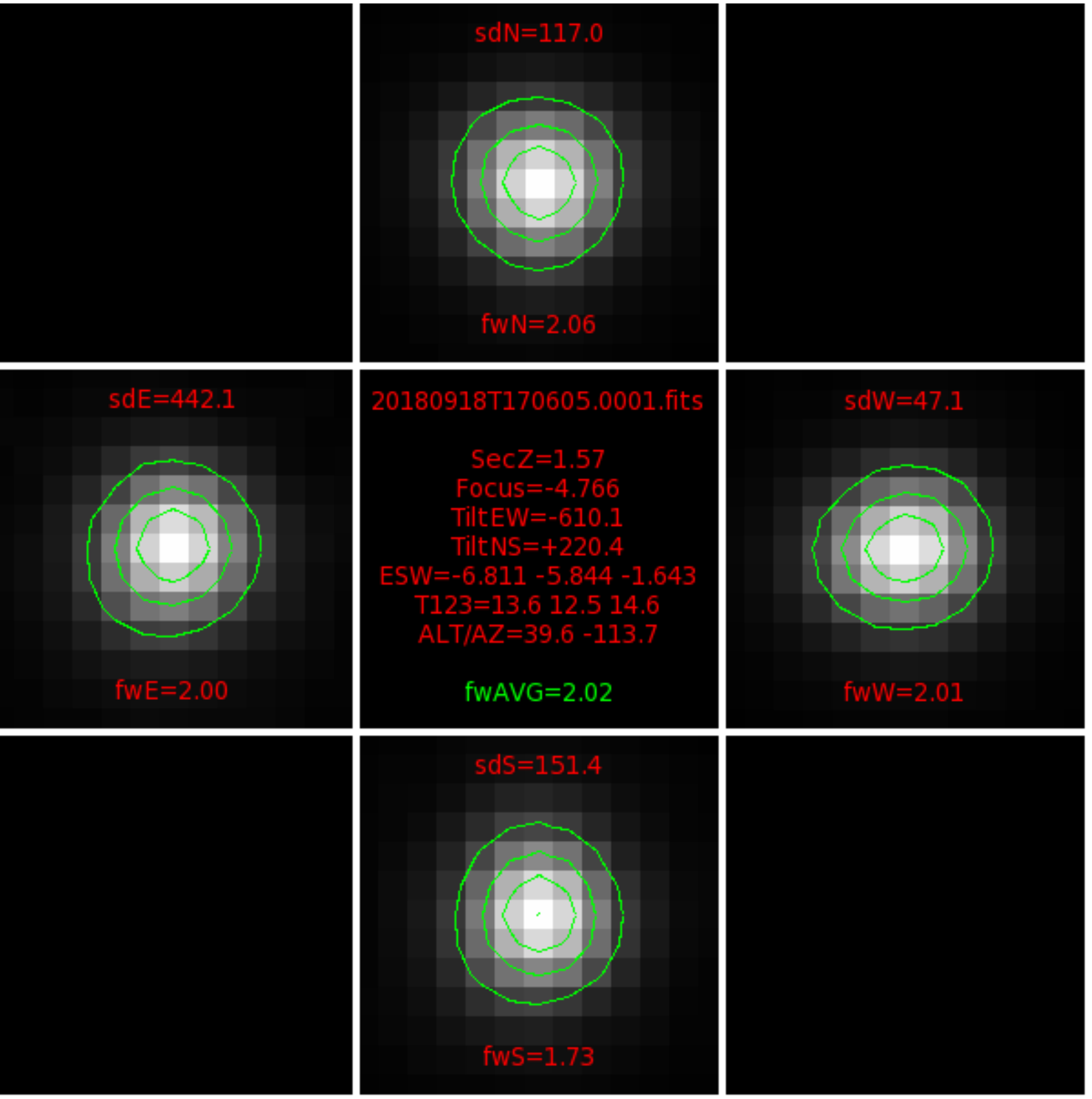
sdN=117.0
fwN=2.06
sdE=442.1
fwE=2.00
20180918T170605.0001.fits
SecZ=1.57
Focus=-4.766
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.811 -5.844 -1.643
T123=13.6 12.5 14.6
ALT/AZ=39.6 -113.7
fwAVG=2.02
sdW=47.1
fwW=2.01
sdS=151.4
fwS=1.73
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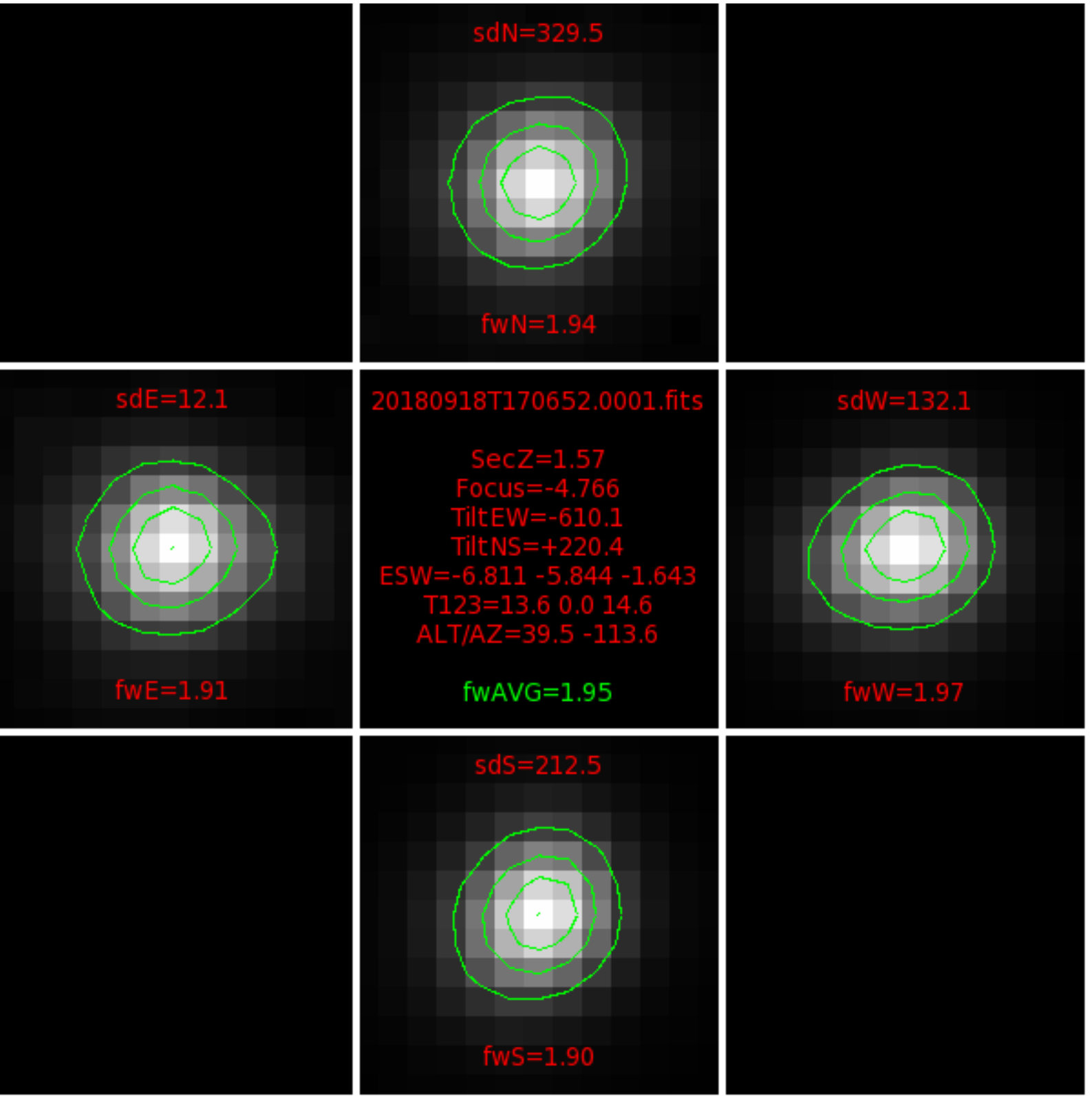
sdN=329.5
fwN=1.94
sdE=12.1
fwE=1.91
20180918T170652.0001.fits
SecZ=1.57
Focus=-4.766
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.811 -5.844 -1.643
T123=13.6 0.0 14.6
ALT/AZ=39.5 -113.6
fwAVG=1.95
sdW=132.1
fwW=1.97
sdS=212.5
fwS=1.90
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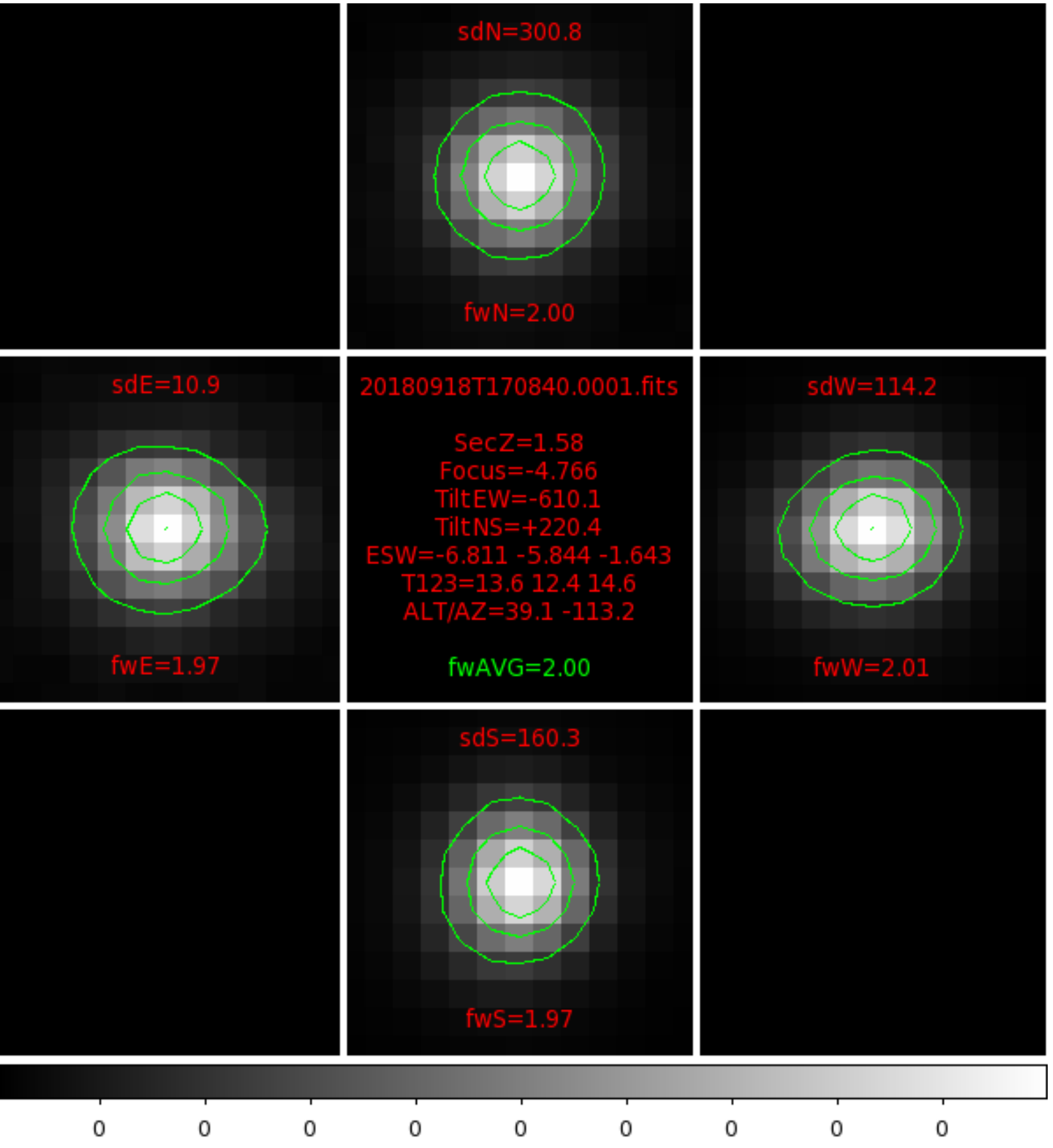
sdN=300.8
fwN=2.00
sdE=10.9
fwE=1.97
20180918T170840.0001.fits
SecZ=1.58
Focus=-4.766
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.811 -5.844 -1.643
T123=13.6 12.4 14.6
ALT/AZ=39.1 -113.2
fwAVG=2.00
sdW=114.2
fwW=2.01
sdS=160.3
fwS=1.97
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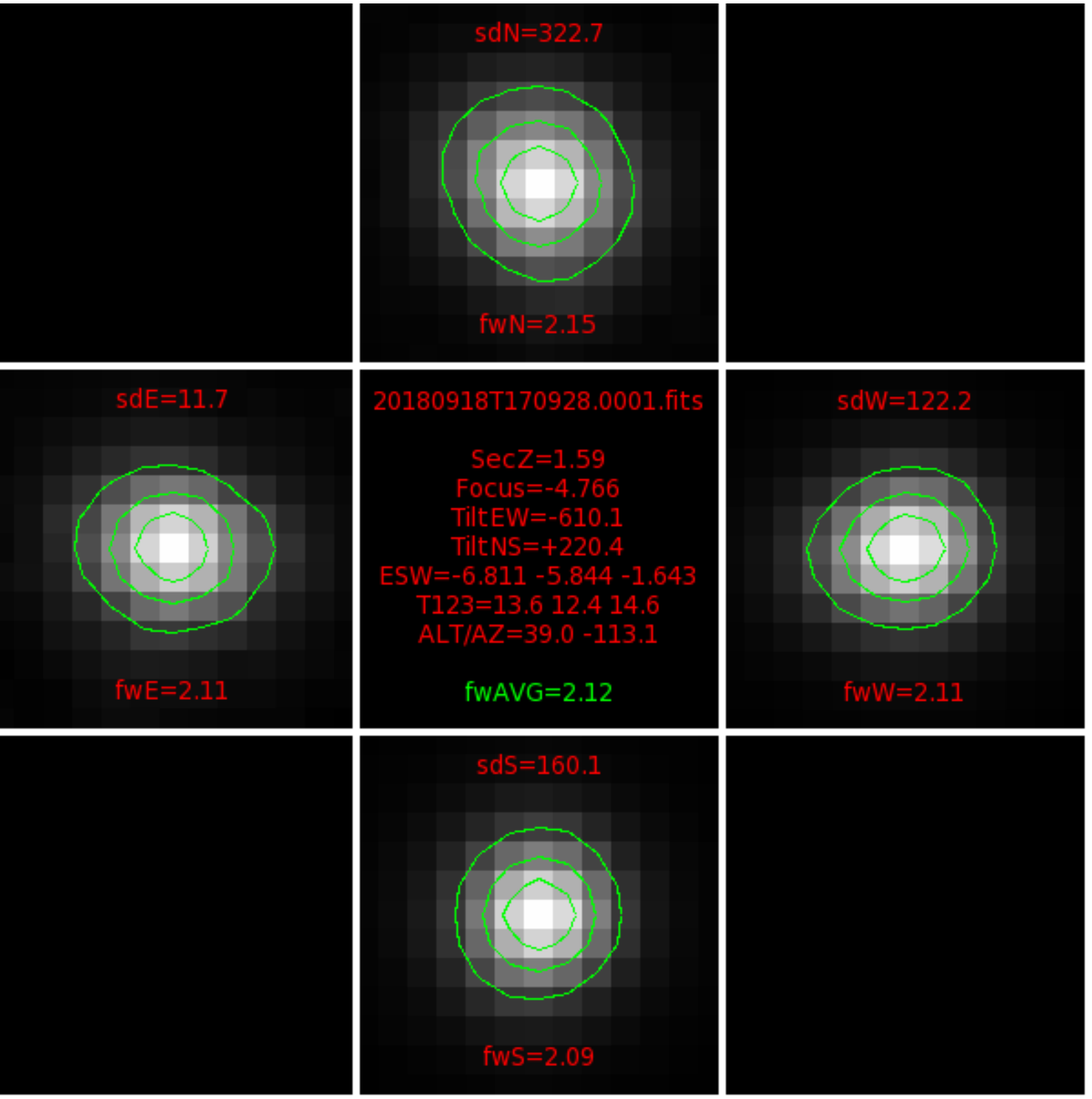
sdN=322.7
fwN=2.15
sdE=11.7
fwE=2.11
20180918T170928.0001.fits
SecZ=1.59
Focus=-4.766
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.811 -5.844 -1.643
T123=13.6 12.4 14.6
ALT/AZ=39.0 -113.1
fwAVG=2.12
sdW=122.2
fwW=2.11
sdS=160.1
fwS=2.09
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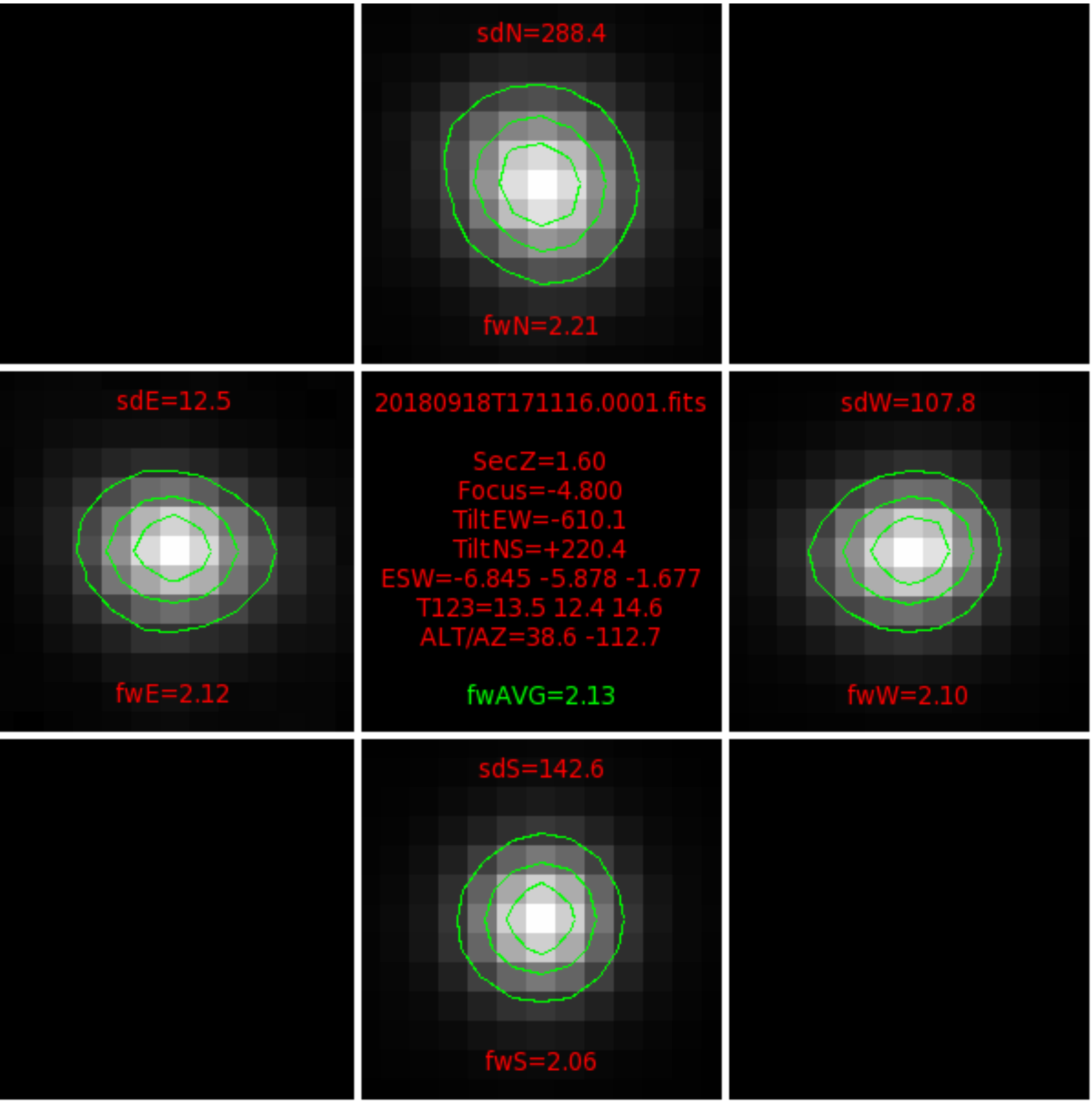
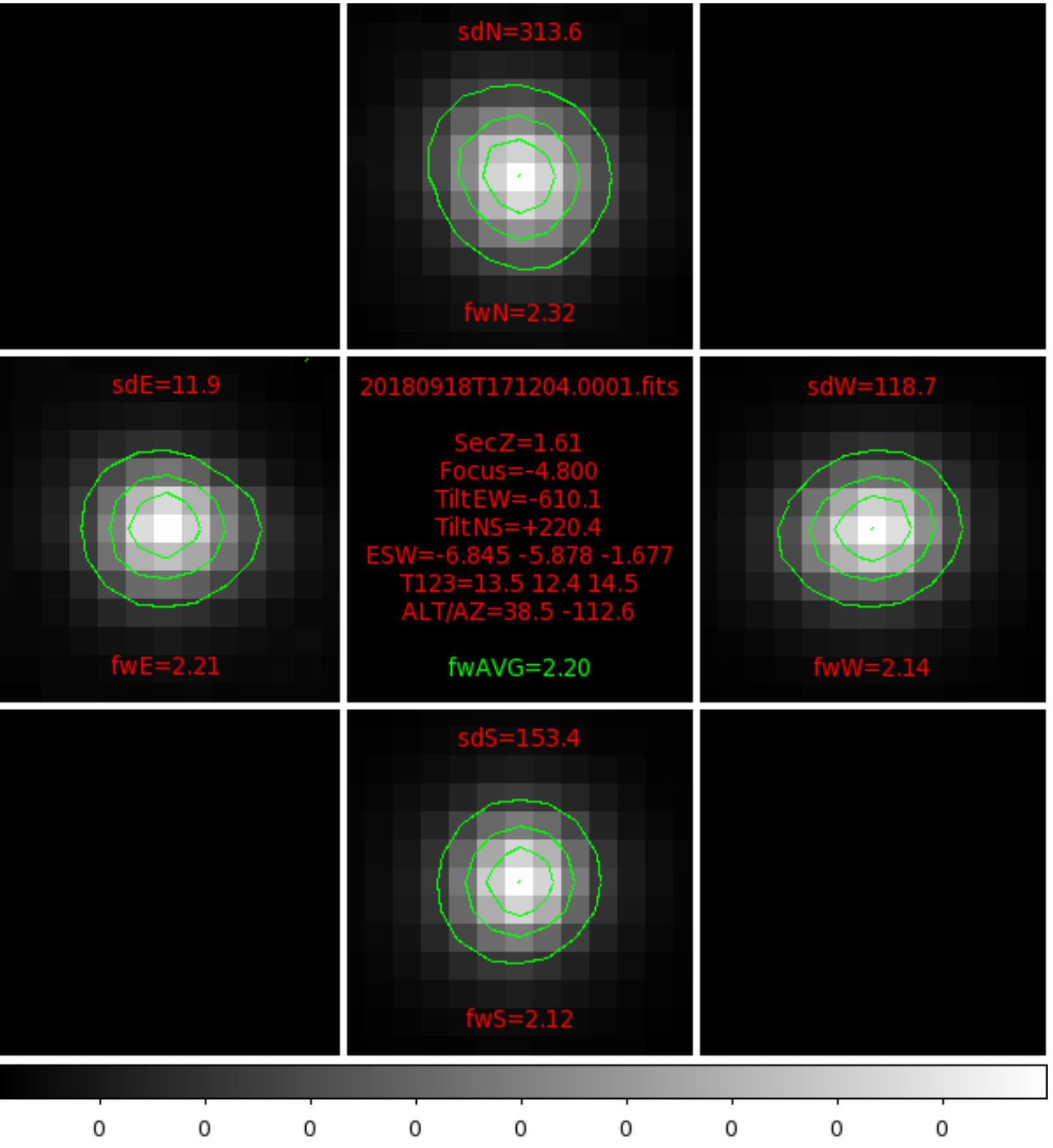

sdN=288.4
fwN=2.21
sdE=12.5
fwE=2.12
20180918T171116.0001.fits
SecZ=1.60
Focus=-4.800
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.845 -5.878 -1.677
T123=13.5 12.4 14.6
ALT/AZ=38.6 -112.7
fwAVG=2.13
sdW=107.8
fwW=2.10
sdS=142.6
fwS=2.06
0 0 0 0 0 0 0 0 0


sdN=313.6
fwN=2.32
sdE=11.9
fwE=2.21
20180918T171204.0001.fits
SecZ=1.61
Focus=-4.800
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.845 -5.878 -1.677
T123=13.5 12.4 14.5
ALT/AZ=38.5 -112.6
fwAVG=2.20
sdW=118.7
fwW=2.14
sdS=153.4
fwS=2.12
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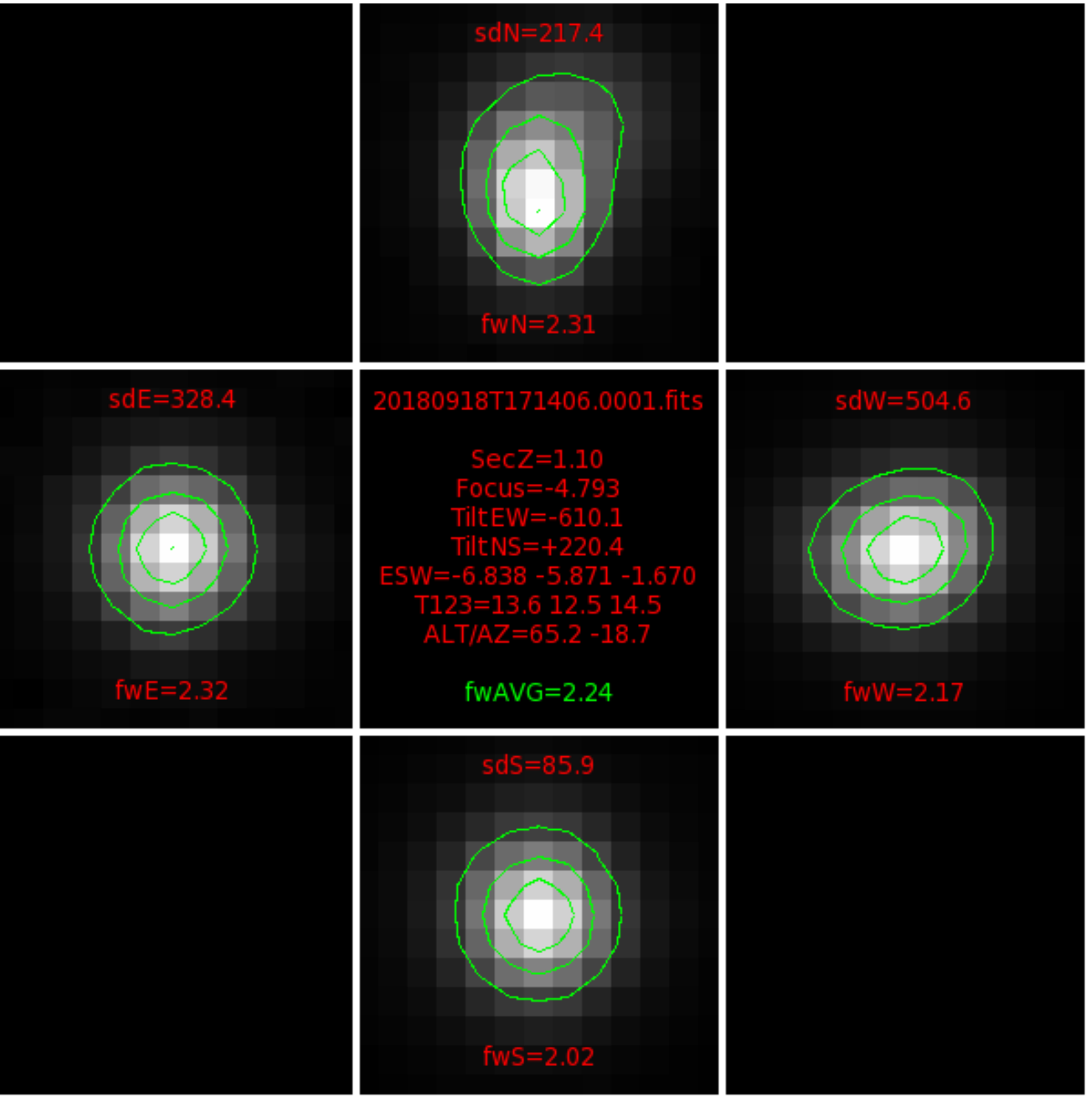
sdN=217.4
fwN=2.31
sdE=328.4
fwE=2.32
20180918T171406.0001.fits
SecZ=1.10
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=13.6 12.5 14.5
ALT/AZ=65.2 -18.7
fwAVG=2.24
sdW=504.6
fwW=2.17
sdS=85.9
fwS=2.02
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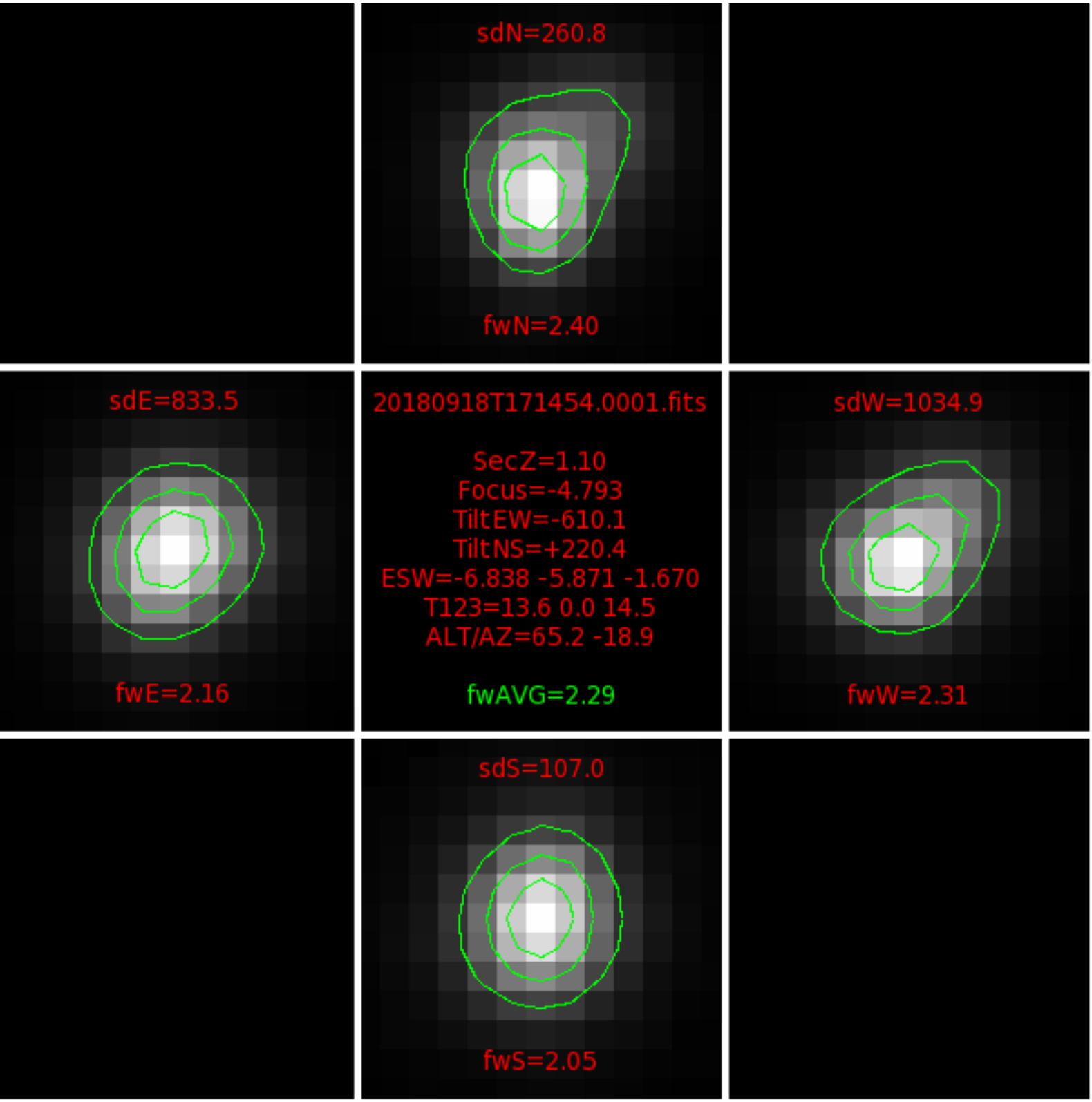
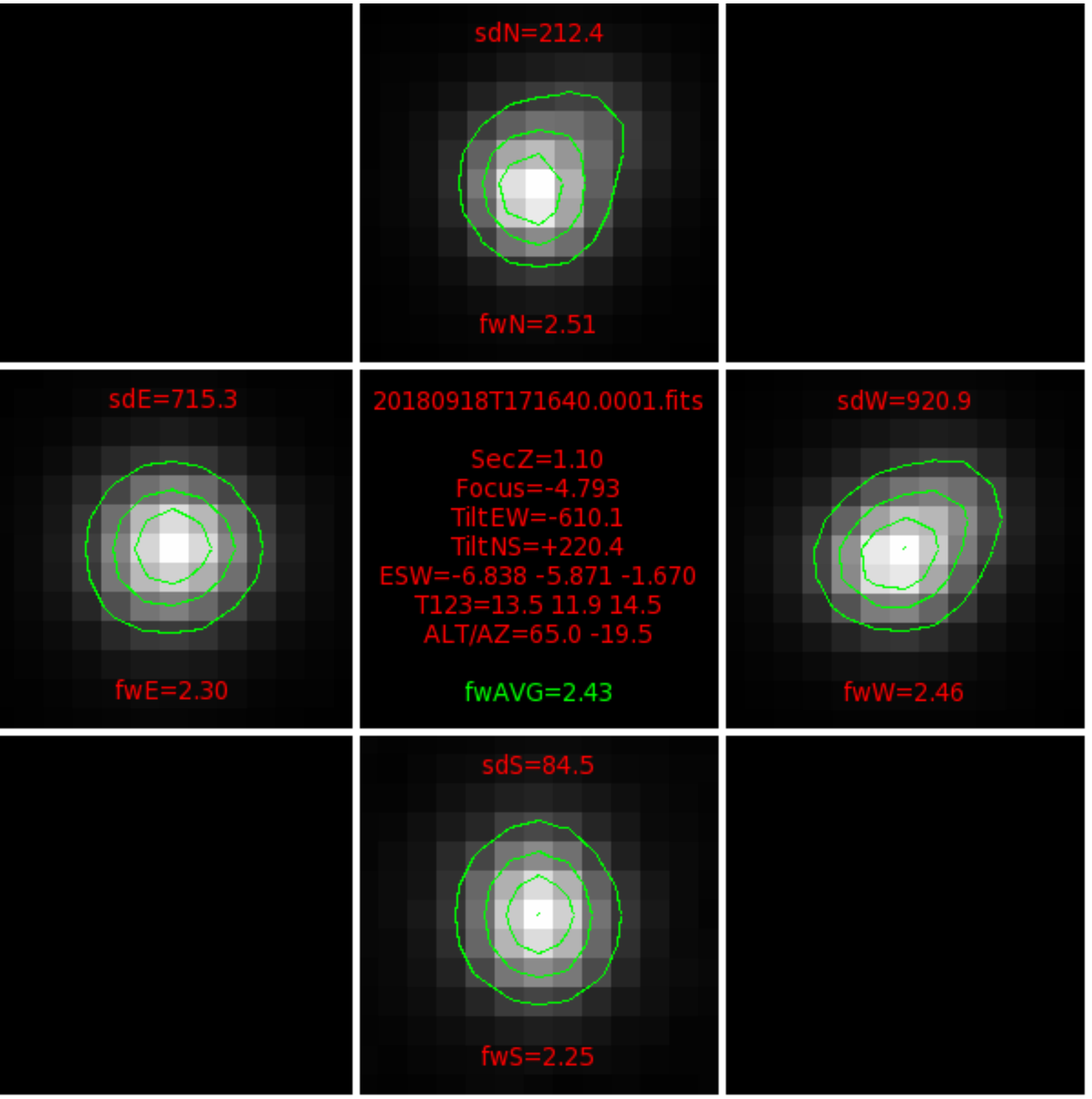

sdN=260.8
fwN=2.40
sdE=833.5
fwE=2.16
20180918T171454.0001.fits
SecZ=1.10
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=13.6 0.0 14.5
ALT/AZ=65.2 -18.9
fwAVG=2.29
sdW=1034.9
fwW=2.31
sdS=107.0
fwS=2.05
0 0 0 0 0 0 0 0 0


sdN=212.4
fwN=2.51
sdE=715.3
fwE=2.30
20180918T171640.0001.fits
SecZ=1.10
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=13.5 11.9 14.5
ALT/AZ=65.0 -19.5
fwAVG=2.43
sdW=920.9
fwW=2.46
sdS=84.5
fwS=2.25
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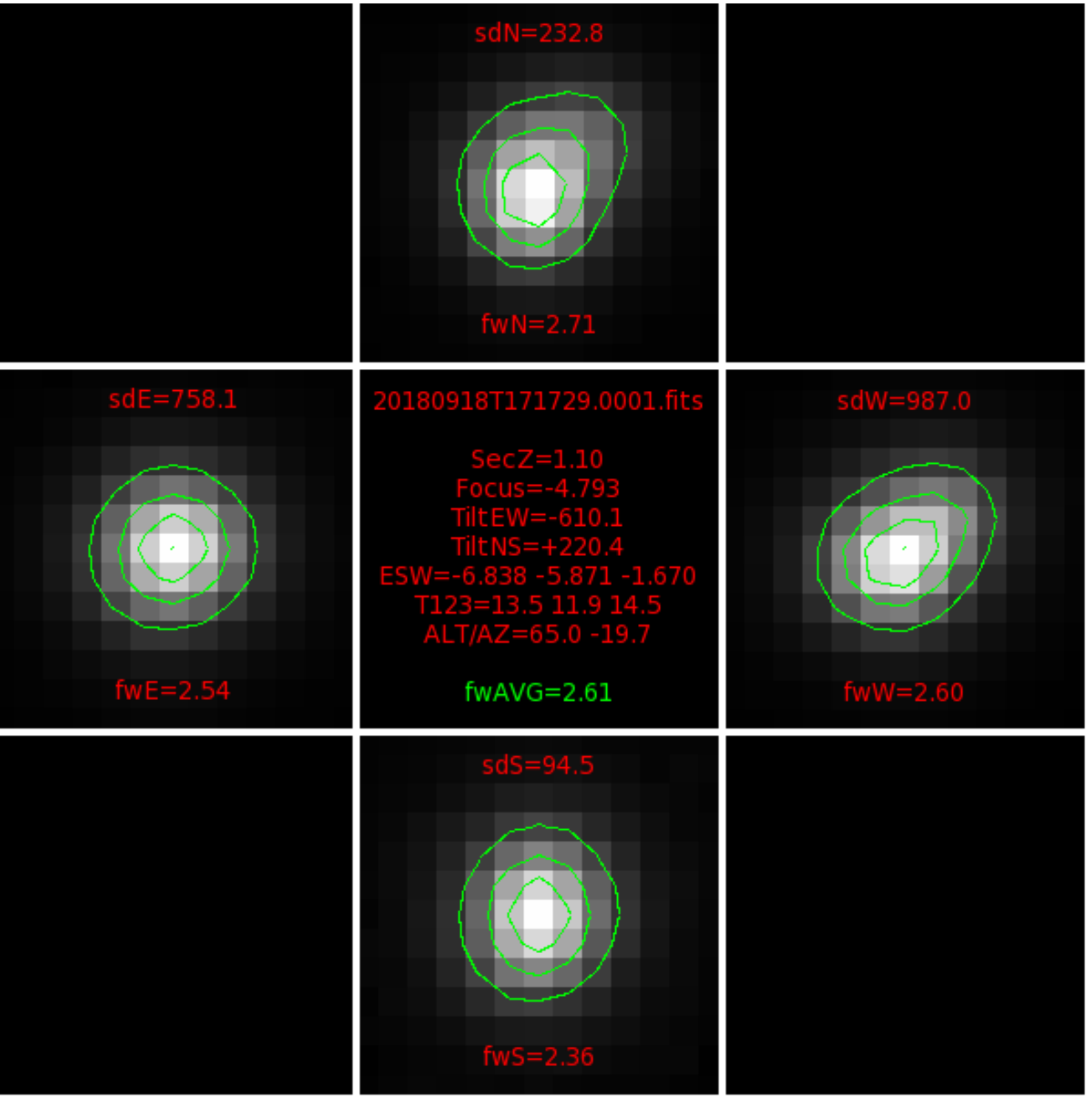
sdN=232.8
fwN=2.71
sdE=758.1
fwE=2.54
20180918T171729.0001.fits
SecZ=1.10
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=13.5 11.9 14.5
ALT/AZ=65.0 -19.7
fwAVG=2.61
sdW=987.0
fwW=2.60
sdS=94.5
fwS=2.36
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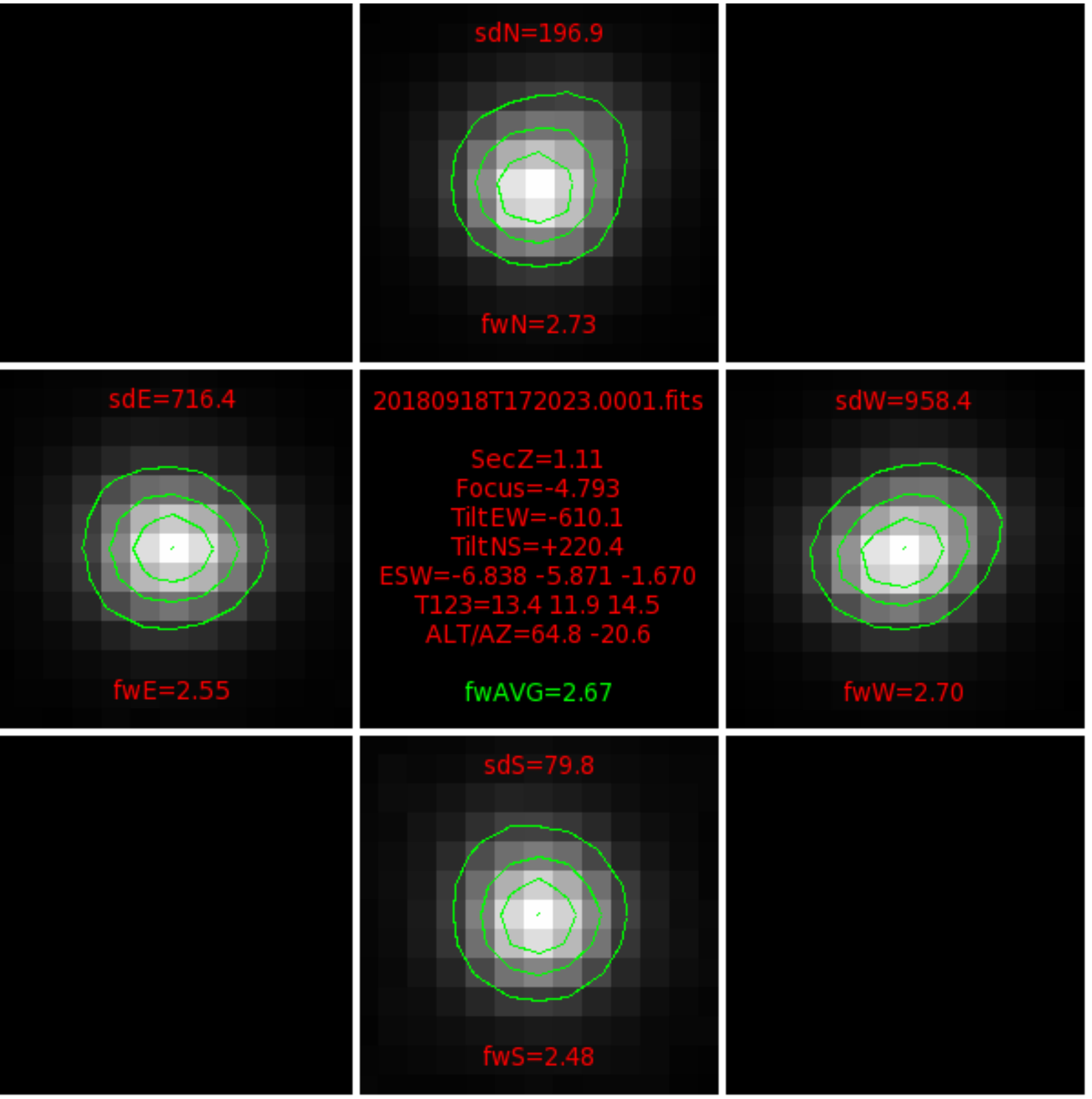
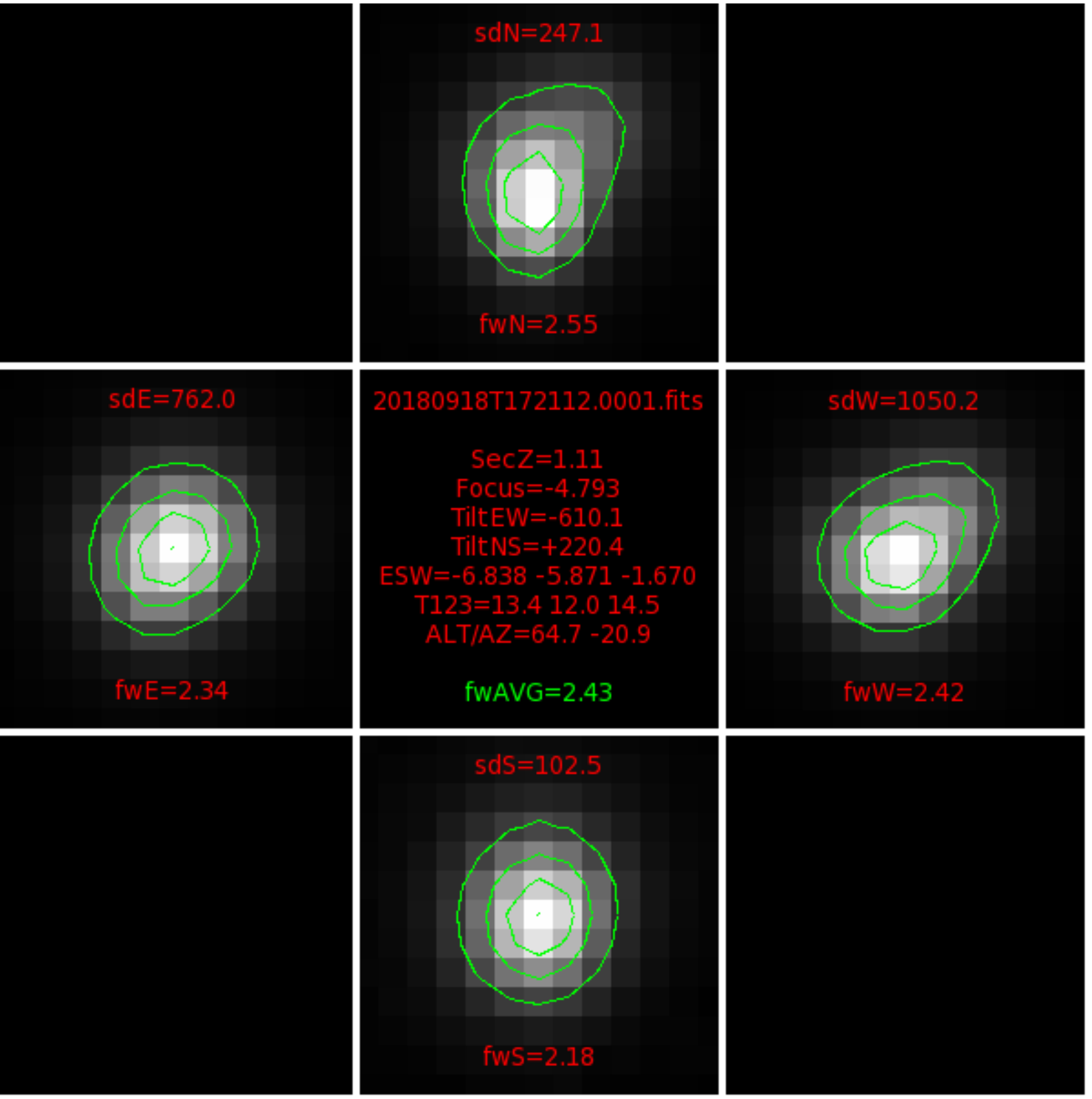

sdN=196.9
fwN=2.73
sdE=716.4
fwE=2.55
20180918T172023.0001.fits
SecZ=1.11
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=13.4 11.9 14.5
ALT/AZ=64.8 -20.6
fwAVG=2.67
sdW=958.4
fwW=2.70
sdS=79.8
fwS=2.48
0 0 0 0 0 0 0 0 0


sdN=247.1
fwN=2.55
sdE=762.0
fwE=2.34
20180918T172112.0001.fits
SecZ=1.11
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=13.4 12.0 14.5
ALT/AZ=64.7 -20.9
fwAVG=2.43
sdW=1050.2
fwW=2.42
sdS=102.5
fwS=2.18
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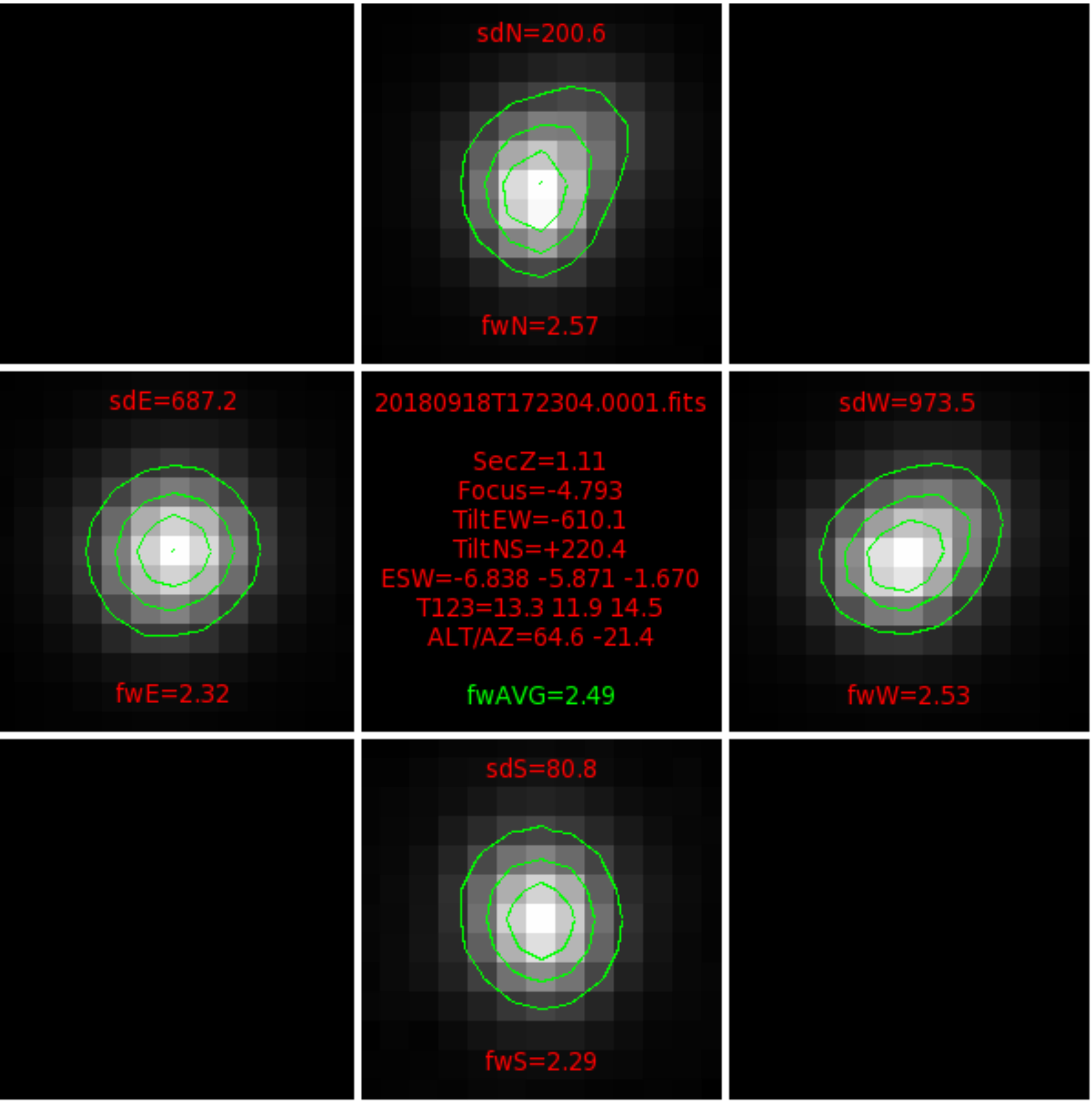
sdN=200.6
fwN=2.57
sdE=687.2
fwE=2.32
20180918T172304.0001.fits
SecZ=1.11
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=13.3 11.9 14.5
ALT/AZ=64.6 -21.4
fwAVG=2.49
sdW=973.5
fwW=2.53
sdS=80.8
fwS=2.29
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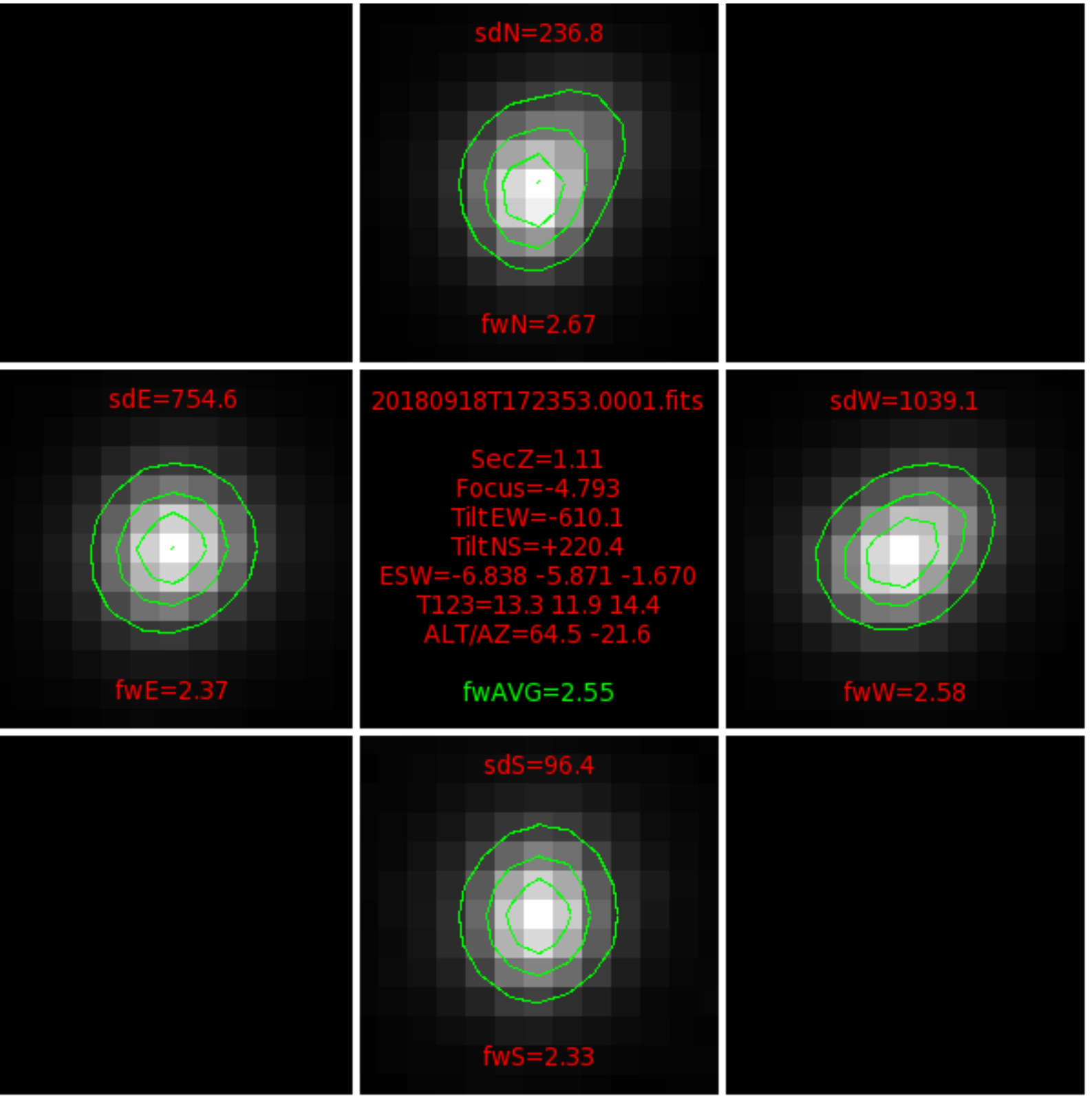
sdN=236.8
fwN=2.67
sdE=754.6
fwE=2.37
20180918T172353.0001.fits
SecZ=1.11
Focus=-4.793
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.838 -5.871 -1.670
T123=13.3 11.9 14.4
ALT/AZ=64.5 -21.6
fwAVG=2.55
sdW=1039.1
fwW=2.58
sdS=96.4
fwS=2.33
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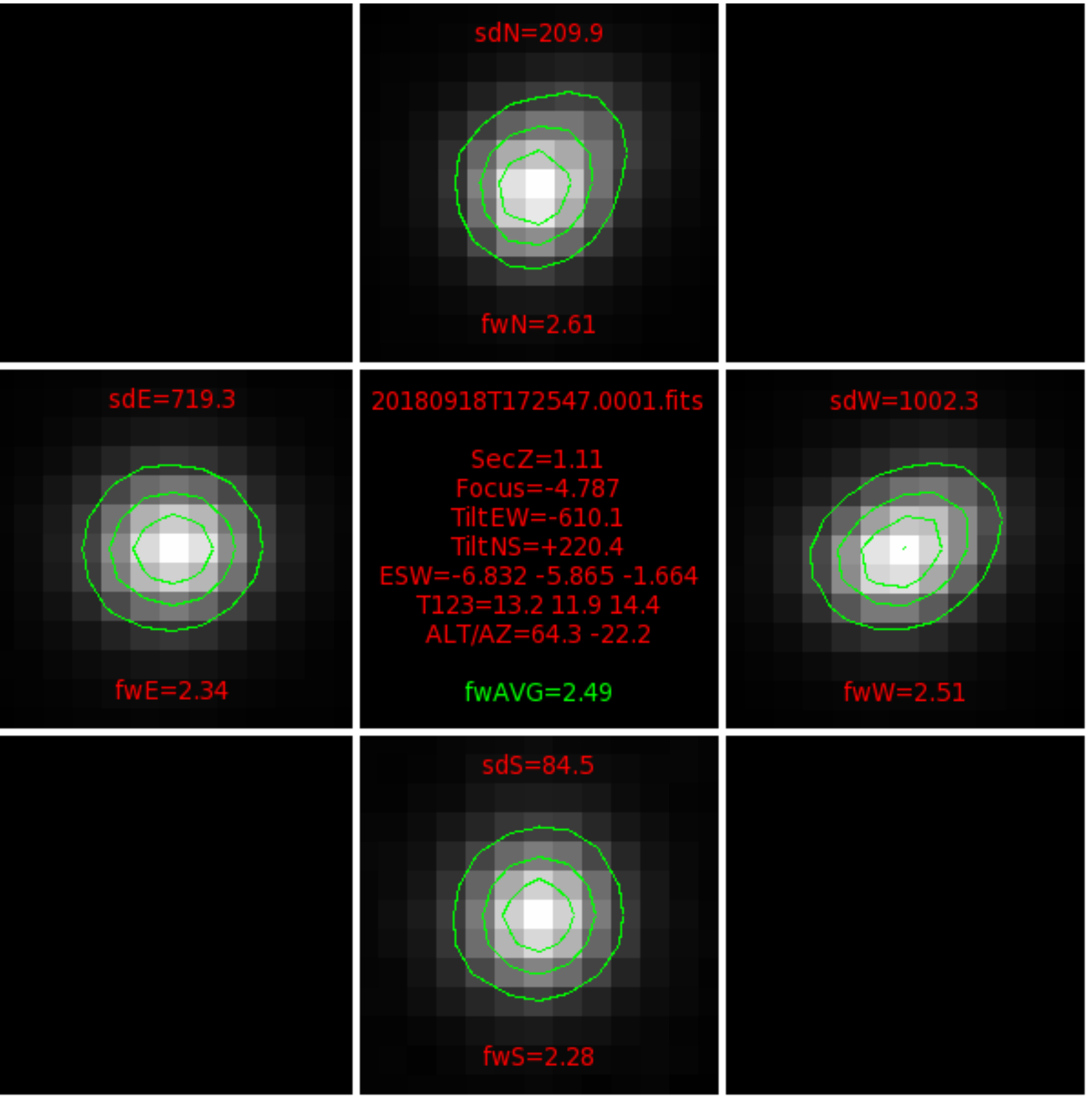
sdN=209.9
fwN=2.61
sdE=719.3
fwE=2.34
20180918T172547.0001.fits
SecZ=1.11
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=13.2 11.9 14.4
ALT/AZ=64.3 -22.2
fwAVG=2.49
sdW=1002.3
fwW=2.51
sdS=84.5
fwS=2.28
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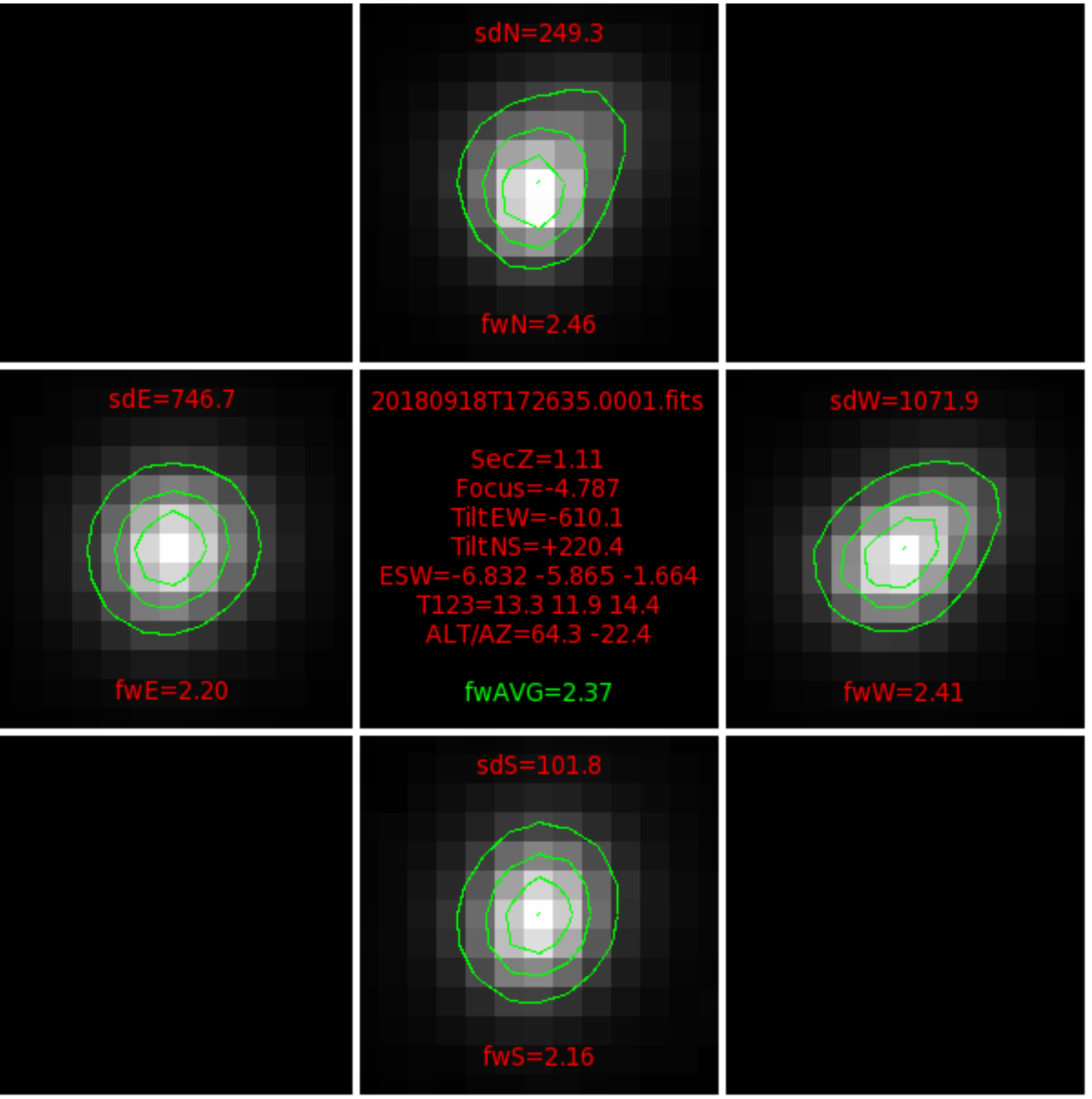
sdN=249.3
fwN=2.46
sdE=746.7
fwE=2.20
20180918T172635.0001.fits
SecZ=1.11
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=13.3 11.9 14.4
ALT/AZ=64.3 -22.4
fwAVG=2.37
sdW=1071.9
fwW=2.41
sdS=101.8
fwS=2.16
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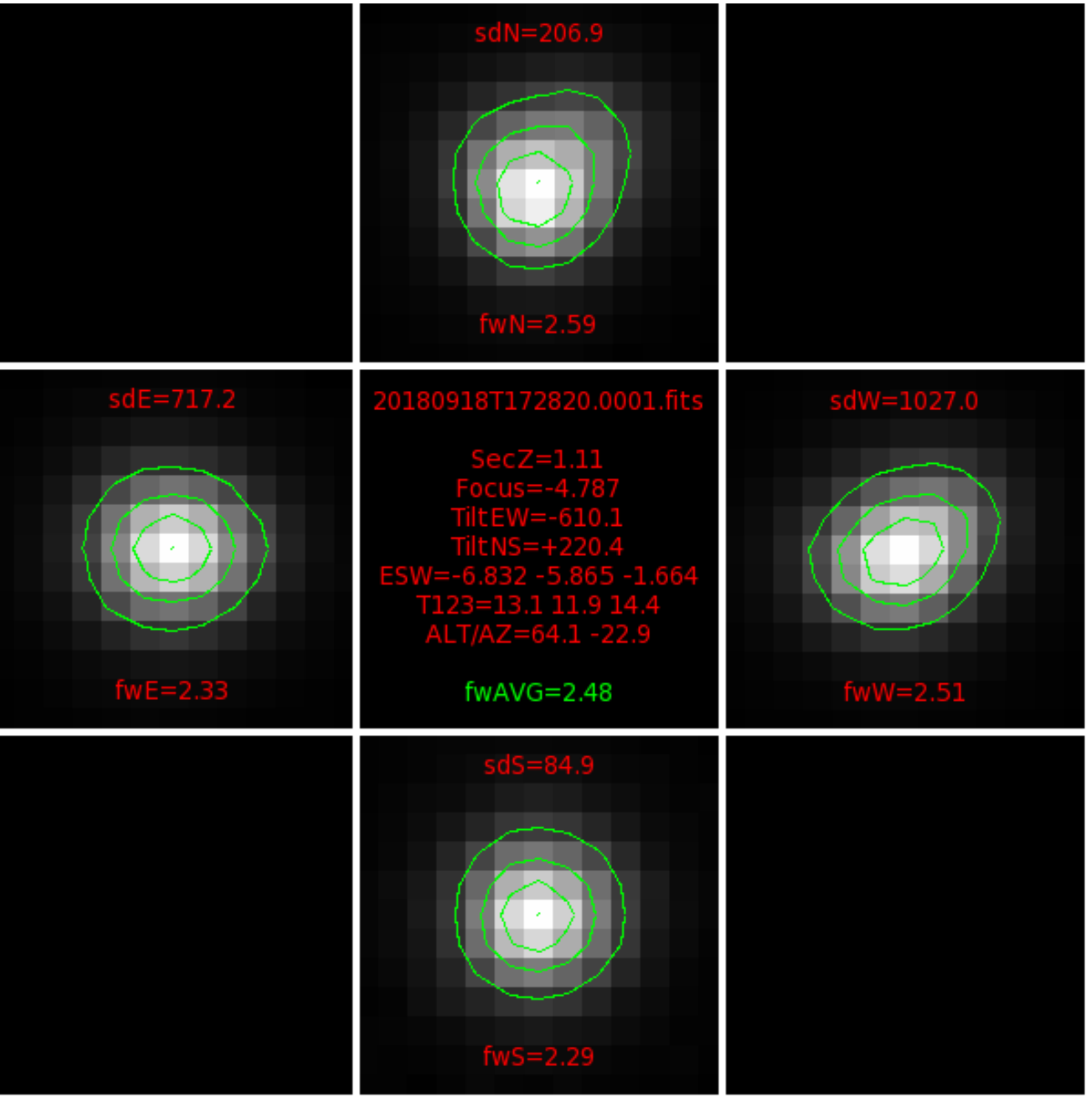
sdN=206.9
fwN=2.59
sdE=717.2
fwE=2.33
20180918T172820.0001.fits
SecZ=1.11
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=13.1 11.9 14.4
ALT/AZ=64.1 -22.9
fwAVG=2.48
sdW=1027.0
fwW=2.51
sdS=84.9
fwS=2.29
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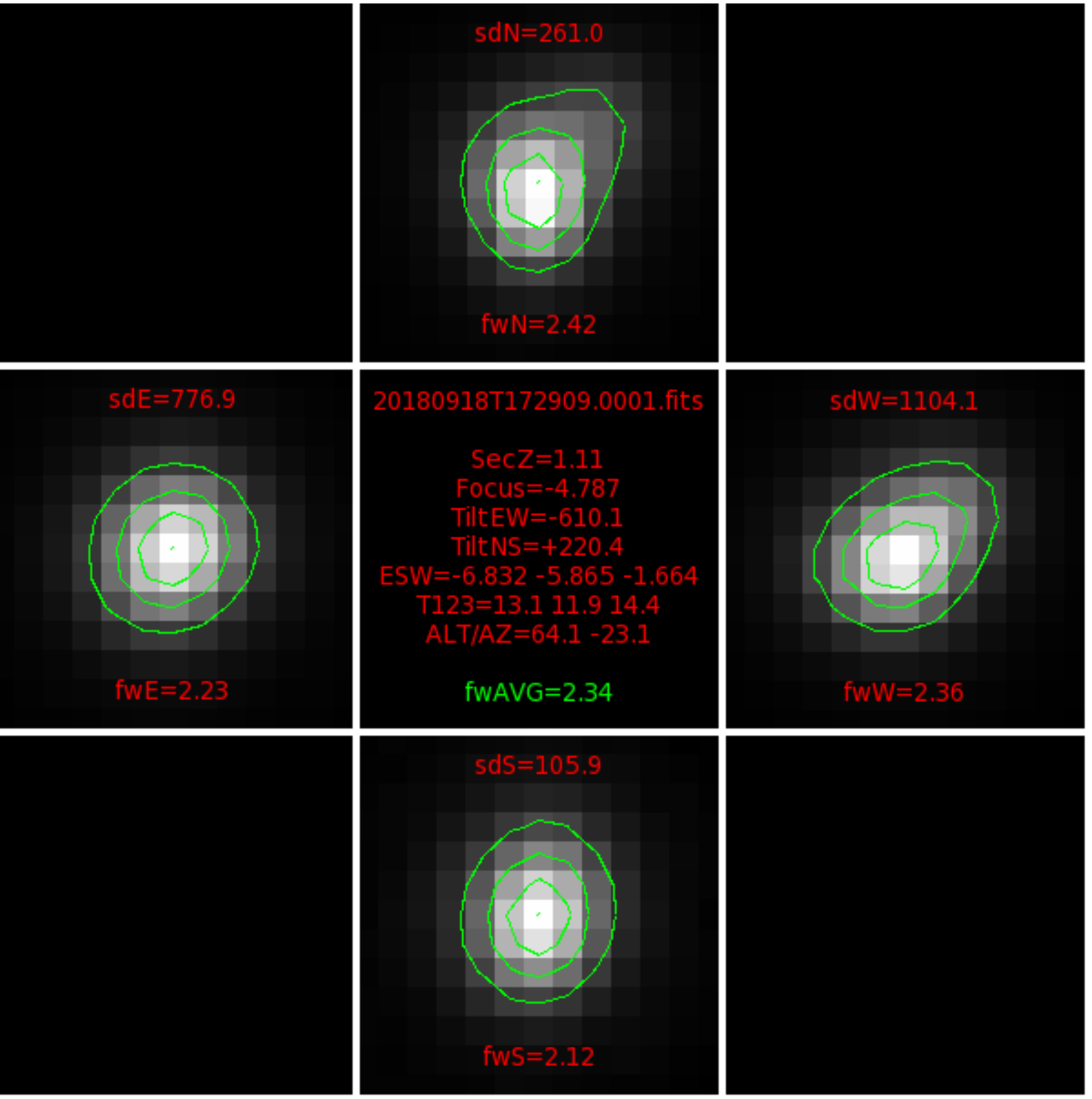
sdN=261.0
fwN=2.42
sdE=776.9
fwE=2.23
20180918T172909.0001.fits
SecZ=1.11
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=13.1 11.9 14.4
ALT/AZ=64.1 -23.1
fwAVG=2.34
sdW=1104.1
fwW=2.36
sdS=105.9
fwS=2.12
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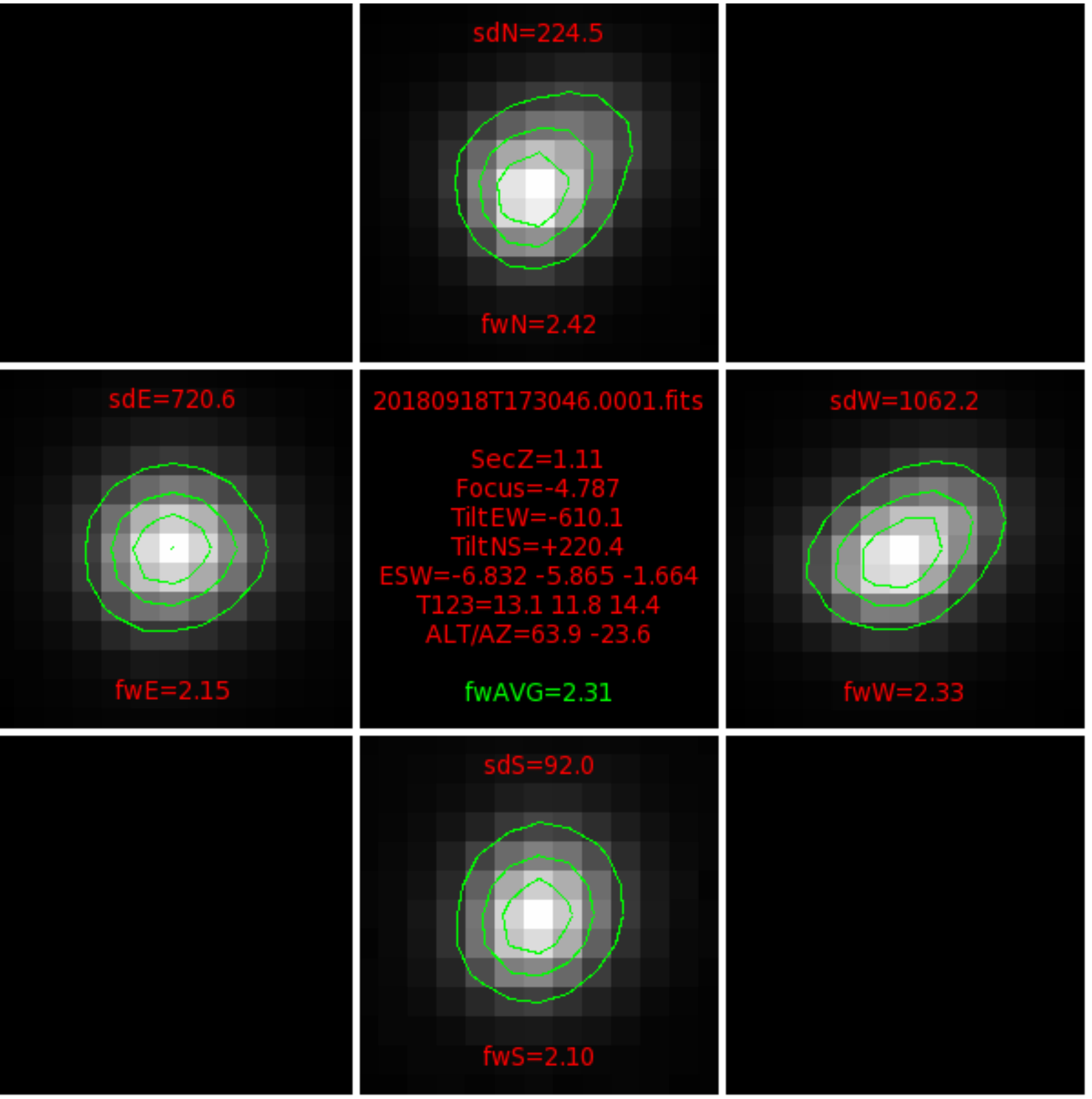
sdN=224.5
fwN=2.42
sdE=720.6
fwE=2.15
20180918T173046.0001.fits
SecZ=1.11
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=13.1 11.8 14.4
ALT/AZ=63.9 -23.6
fwAVG=2.31
sdW=1062.2
fwW=2.33
sdS=92.0
fwS=2.10
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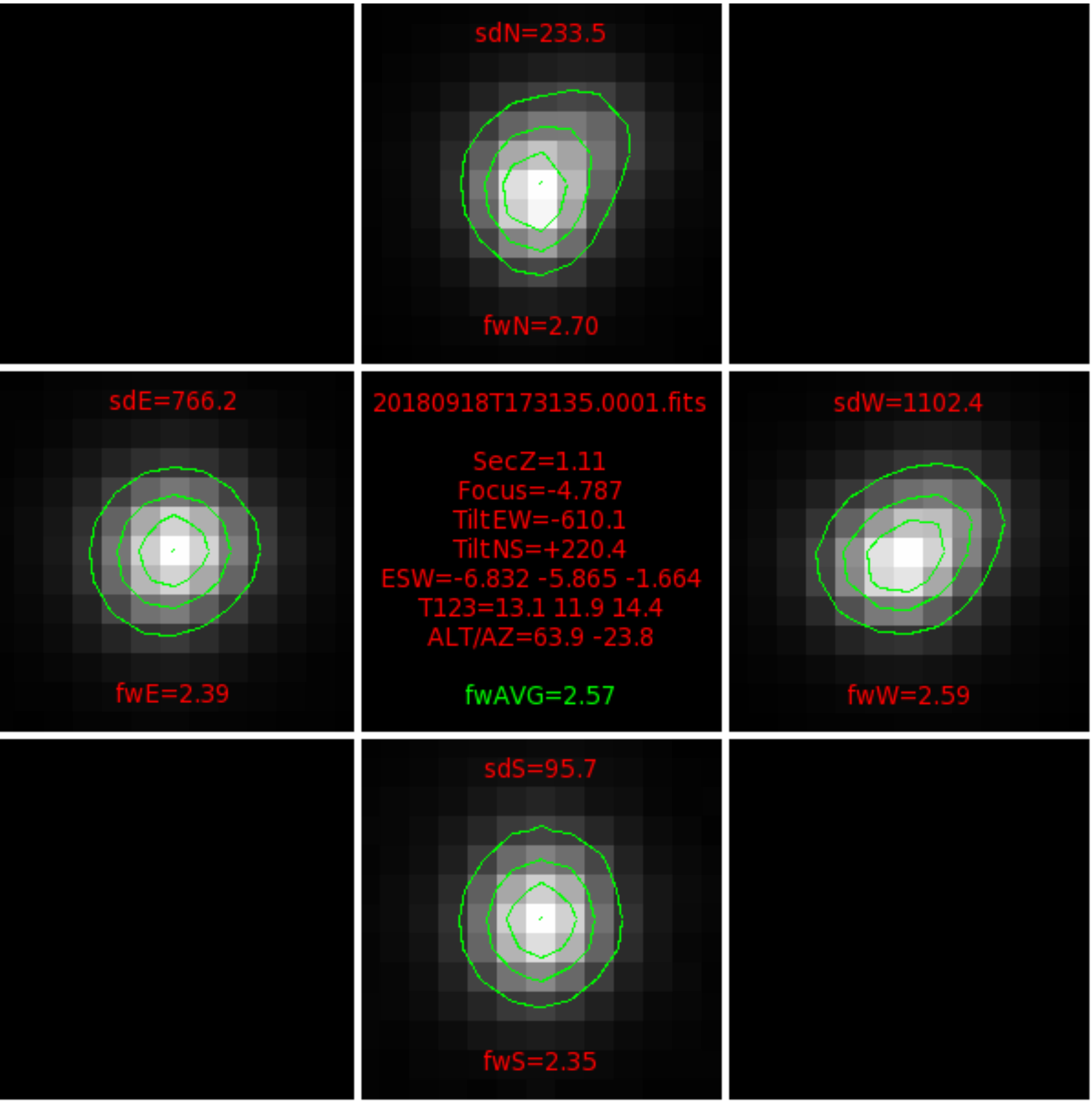
sdN=233.5
fwN=2.70
sdE=766.2
fwE=2.39
20180918T173135.0001.fits
SecZ=1.11
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=13.1 11.9 14.4
ALT/AZ=63.9 -23.8
fwAVG=2.57
sdW=1102.4
fwW=2.59
sdS=95.7
fwS=2.35
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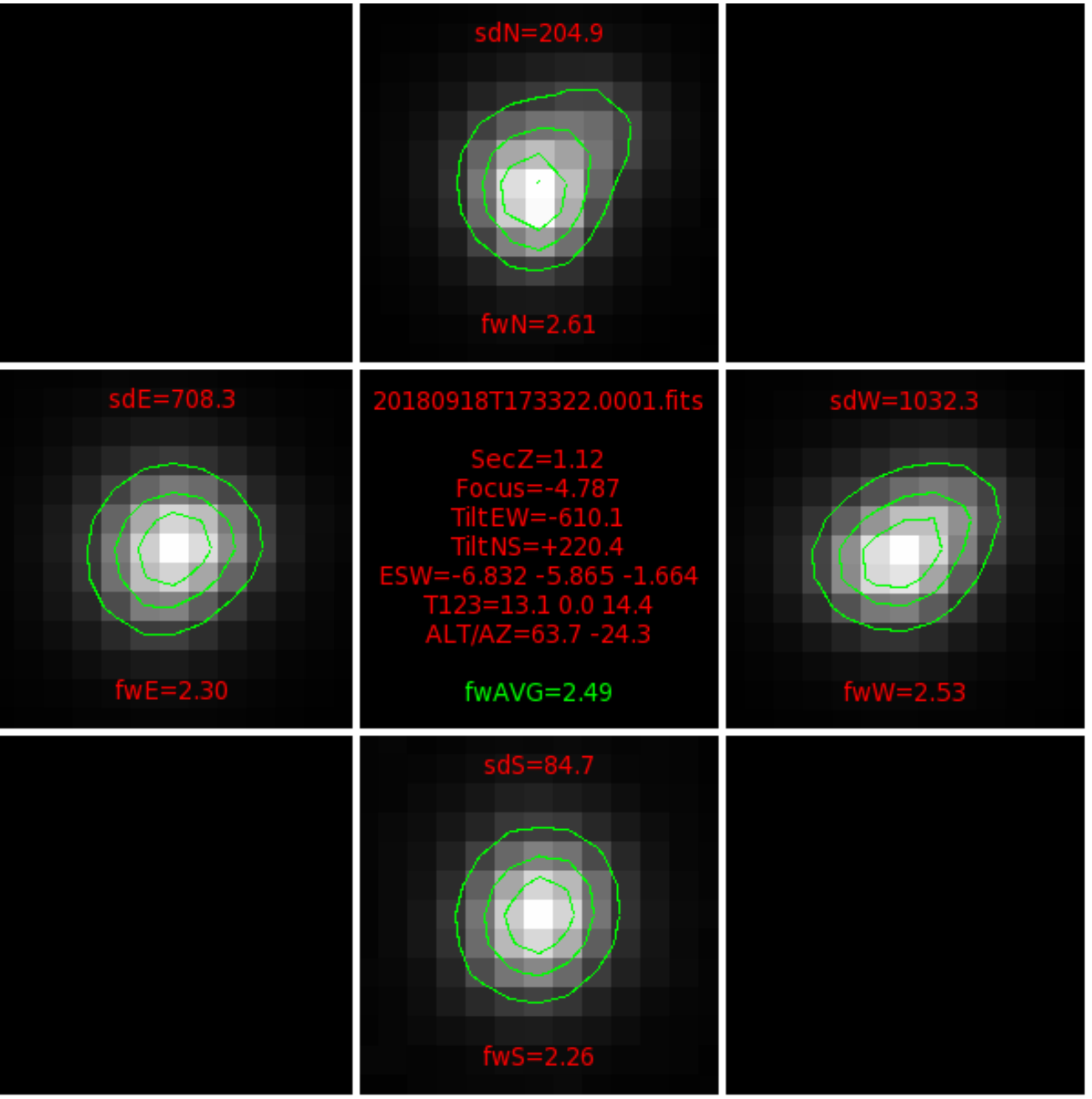
sdN=204.9
fwN=2.61
sdE=708.3
fwE=2.30
20180918T173322.0001.fits
SecZ=1.12
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=13.1 0.0 14.4
ALT/AZ=63.7 -24.3
fwAVG=2.49
sdW=1032.3
fwW=2.53
sdS=84.7
fwS=2.26
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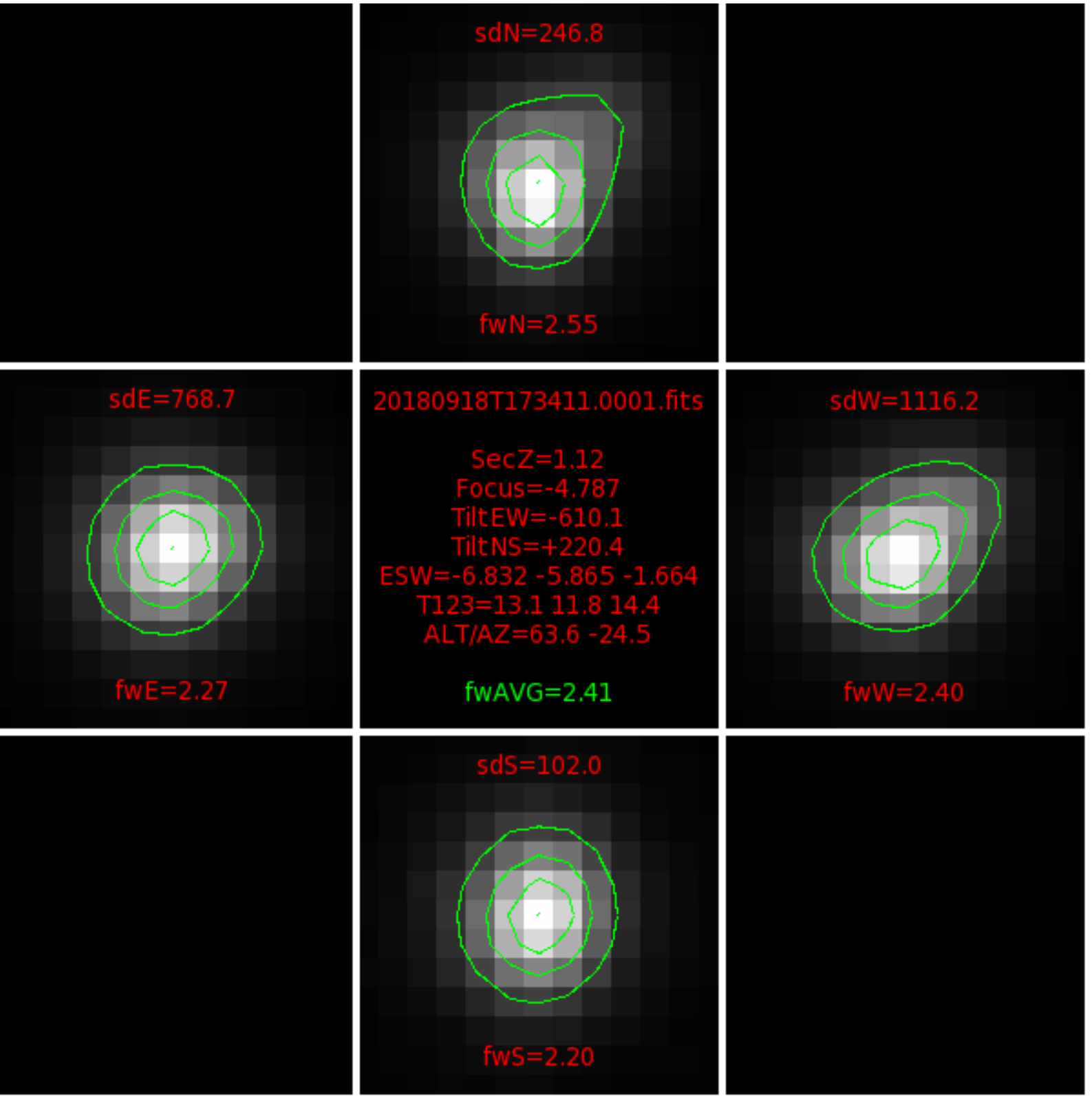
sdN=246.8
fwN=2.55
sdE=768.7
fwE=2.27
20180918T173411.0001.fits
SecZ=1.12
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=13.1 11.8 14.4
ALT/AZ=63.6 -24.5
fwAVG=2.41
sdW=1116.2
fwW=2.40
sdS=102.0
fwS=2.20
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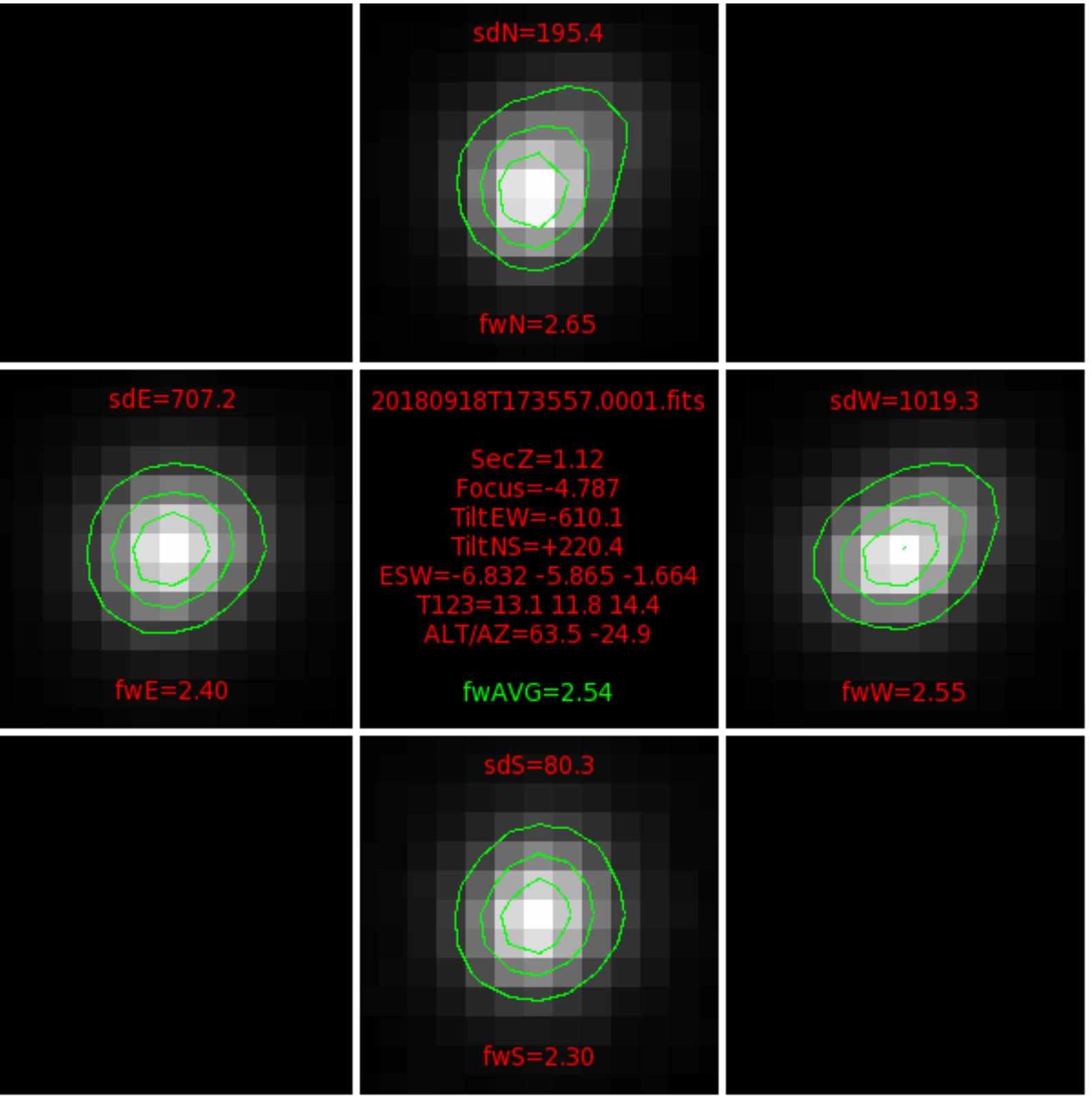
sdN=195.4
fwN=2.65
sdE=707.2
fwE=2.40
20180918T173557.0001.fits
SecZ=1.12
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=13.1 11.8 14.4
ALT/AZ=63.5 -24.9
fwAVG=2.54
sdW=1019.3
fwW=2.55
sdS=80.3
fwS=2.30
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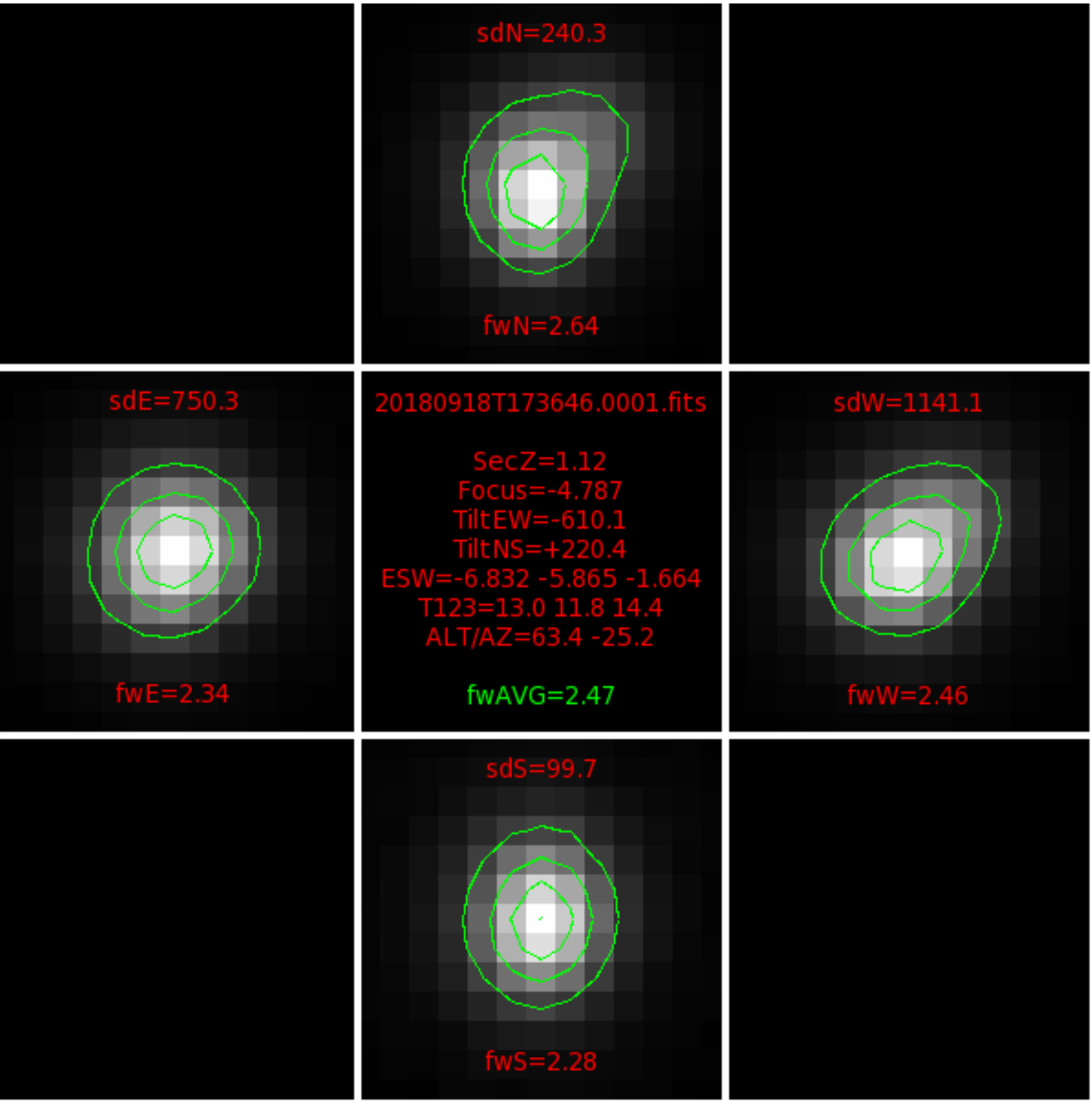
sdN=240.3
fwN=2.64
sdE=750.3
fwE=2.34
20180918T173646.0001.fits
SecZ=1.12
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=13.0 11.8 14.4
ALT/AZ=63.4 -25.2
fwAVG=2.47
sdW=1141.1
fwW=2.46
sdS=99.7
fwS=2.28
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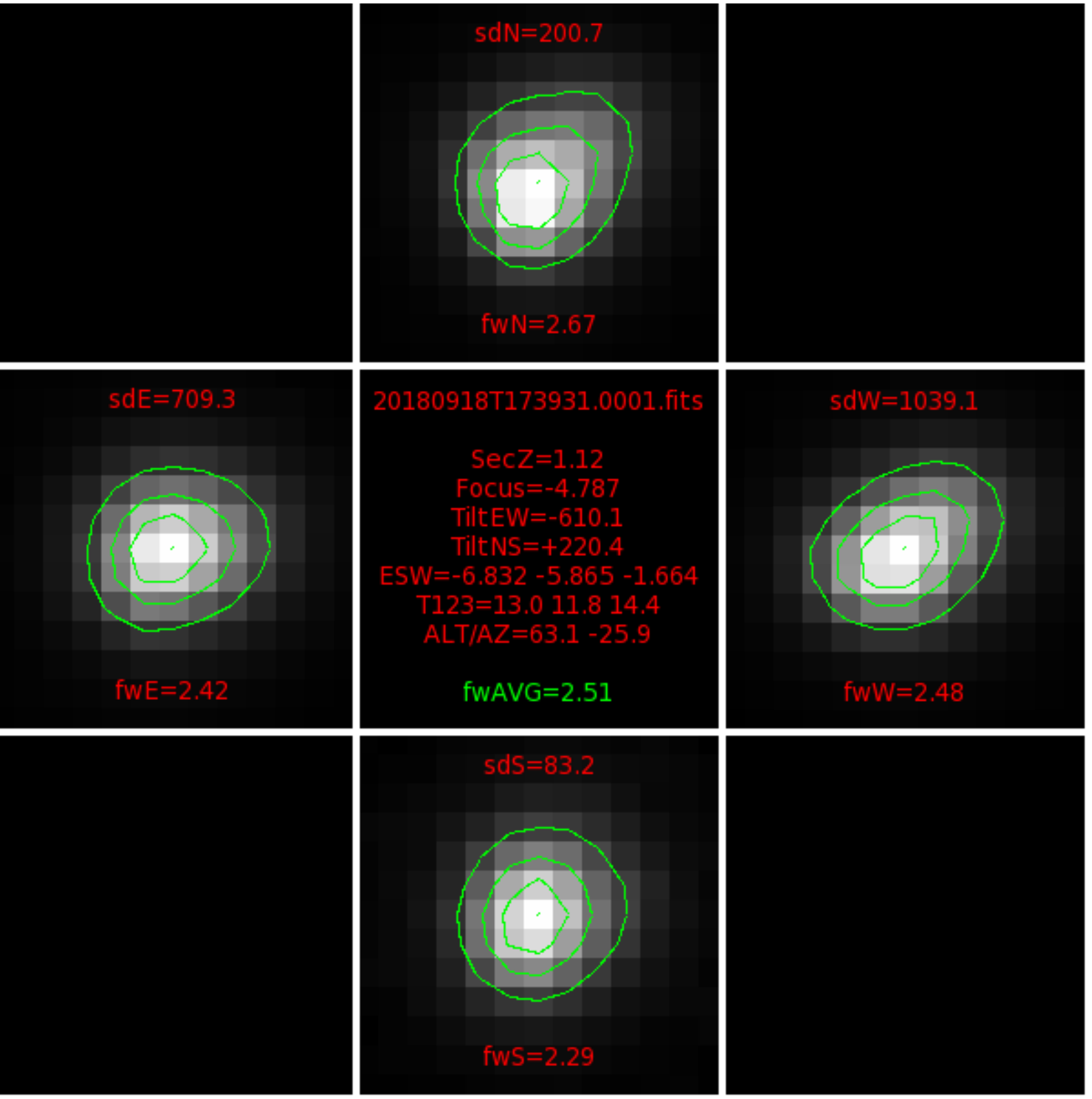
sdN=200.7
fwN=2.67
sdE=709.3
fwE=2.42
20180918T173931.0001.fits
SecZ=1.12
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=13.0 11.8 14.4
ALT/AZ=63.1 -25.9
fwAVG=2.51
sdW=1039.1
fwW=2.48
sdS=83.2
fwS=2.29
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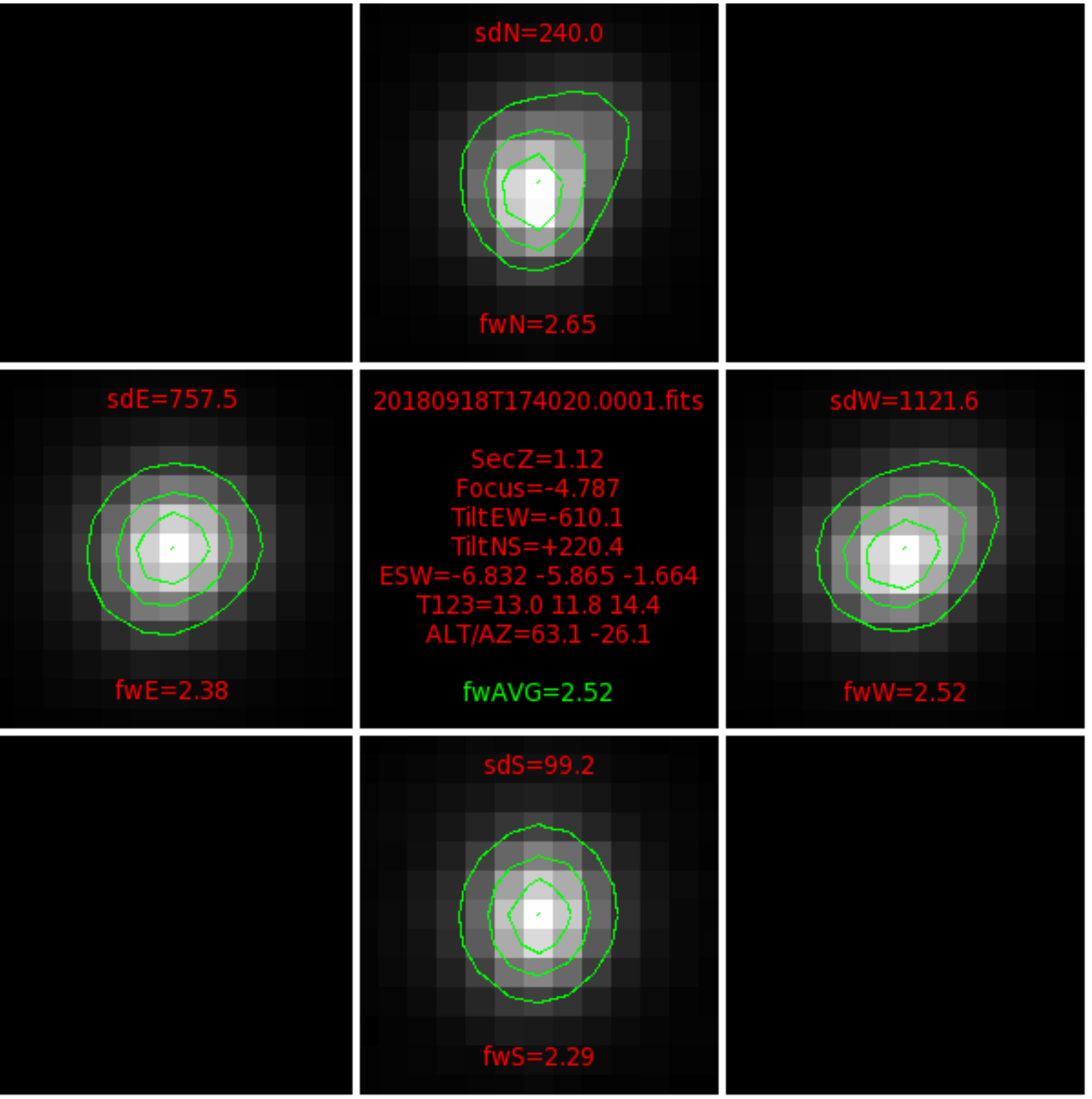
sdN=240.0
fwN=2.65
sdE=757.5
fwE=2.38
20180918T174020.0001.fits
SecZ=1.12
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=13.0 11.8 14.4
ALT/AZ=63.1 -26.1
fwAVG=2.52
sdW=1121.6
fwW=2.52
sdS=99.2
fwS=2.29
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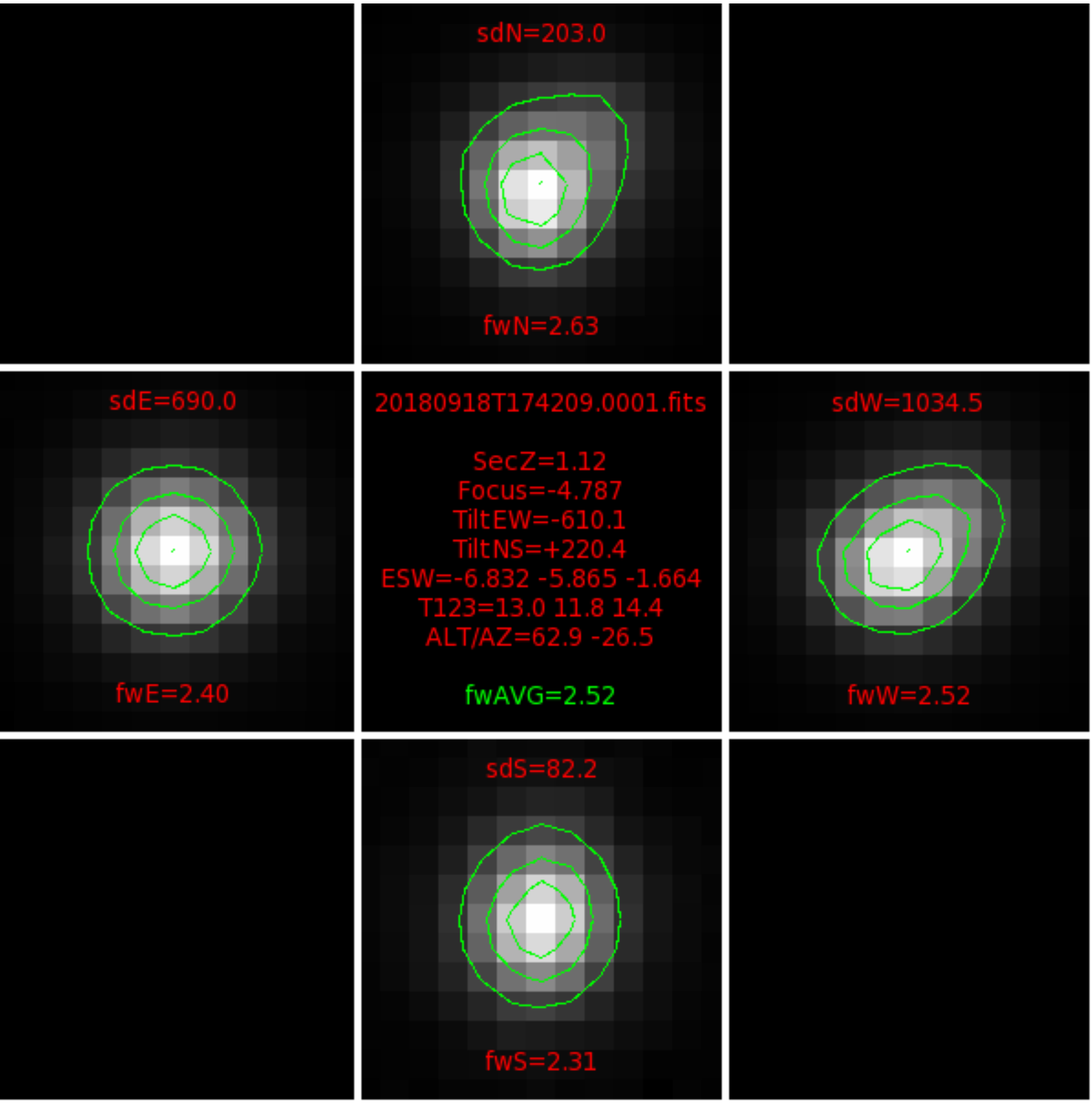
sdN=203.0
fwN=2.63
sdE=690.0
fwE=2.40
20180918T174209.0001.fits
SecZ=1.12
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=13.0 11.8 14.4
ALT/AZ=62.9 -26.5
fwAVG=2.52
sdW=1034.5
fwW=2.52
sdS=82.2
fwS=2.31
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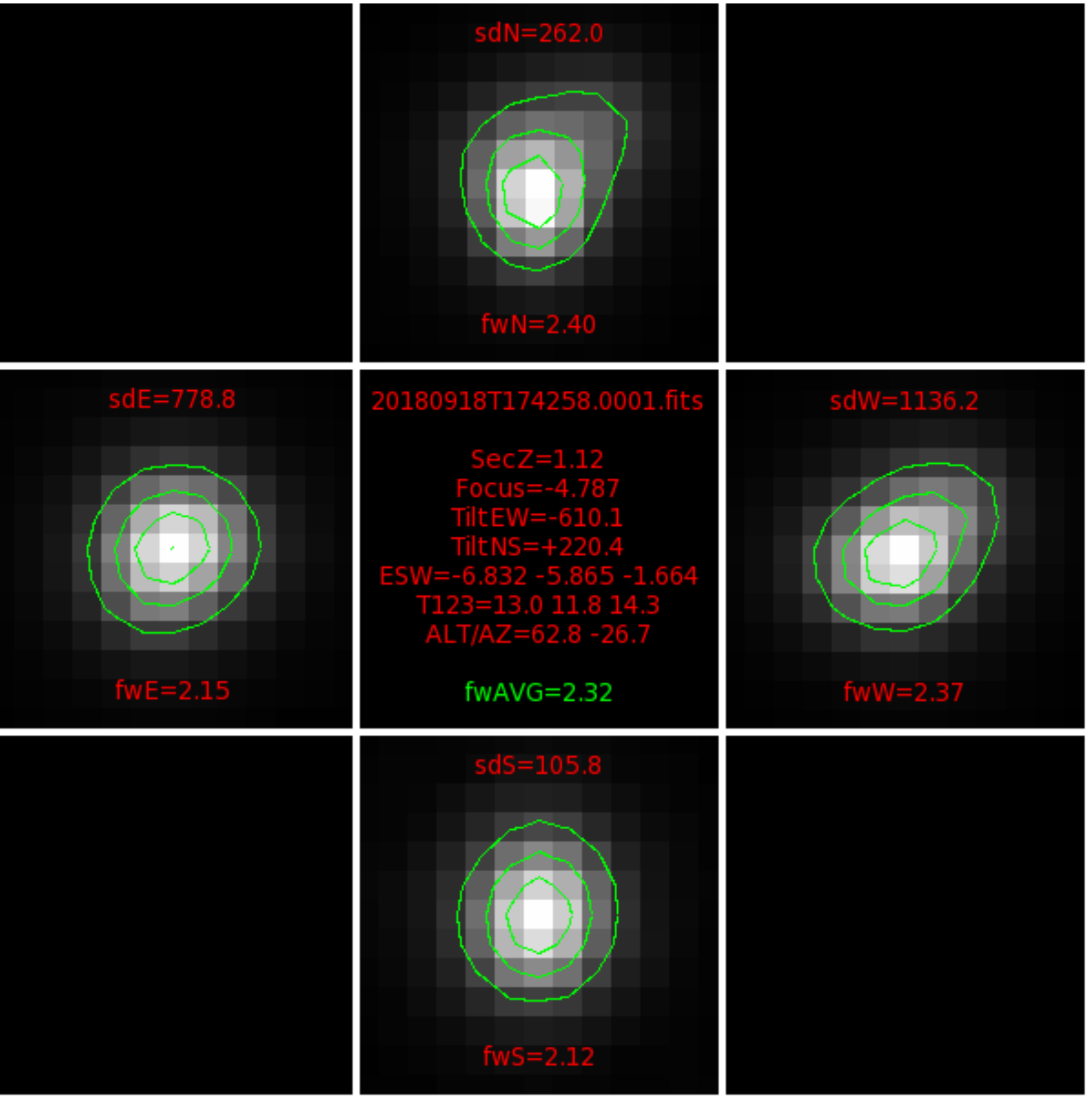
sdN=262.0
fwN=2.40
sdE=778.8
fwE=2.15
20180918T174258.0001.fits
SecZ=1.12
Focus=-4.787
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.832 -5.865 -1.664
T123=13.0 11.8 14.3
ALT/AZ=62.8 -26.7
fwAVG=2.32
sdW=1136.2
fwW=2.37
sdS=105.8
fwS=2.12
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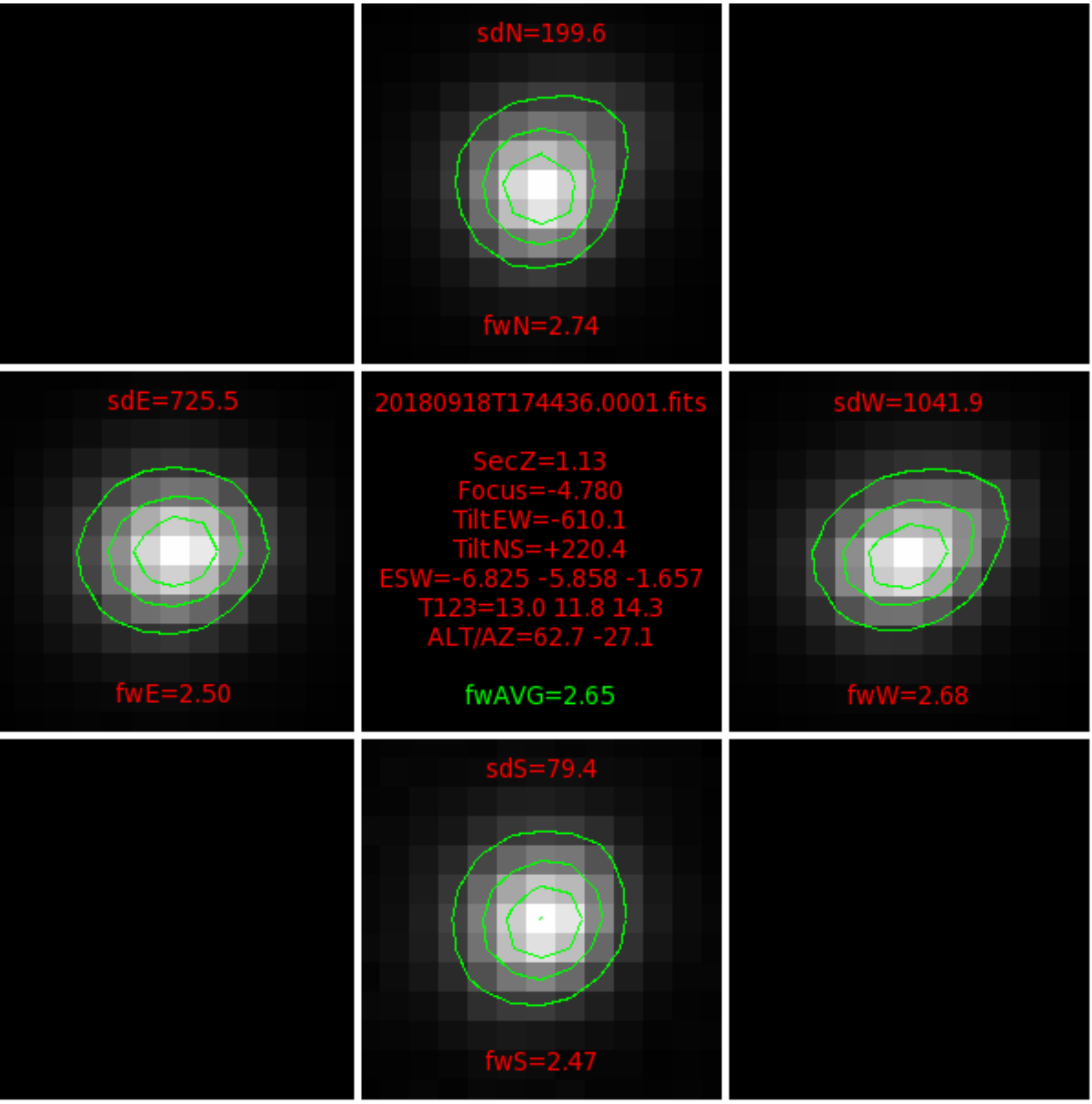
sdN=199.6
fwN=2.74
sdE=725.5
fwE=2.50
20180918T174436.0001.fits
SecZ=1.13
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=13.0 11.8 14.3
ALT/AZ=62.7 -27.1
fwAVG=2.65
sdW=1041.9
fwW=2.68
sdS=79.4
fwS=2.47
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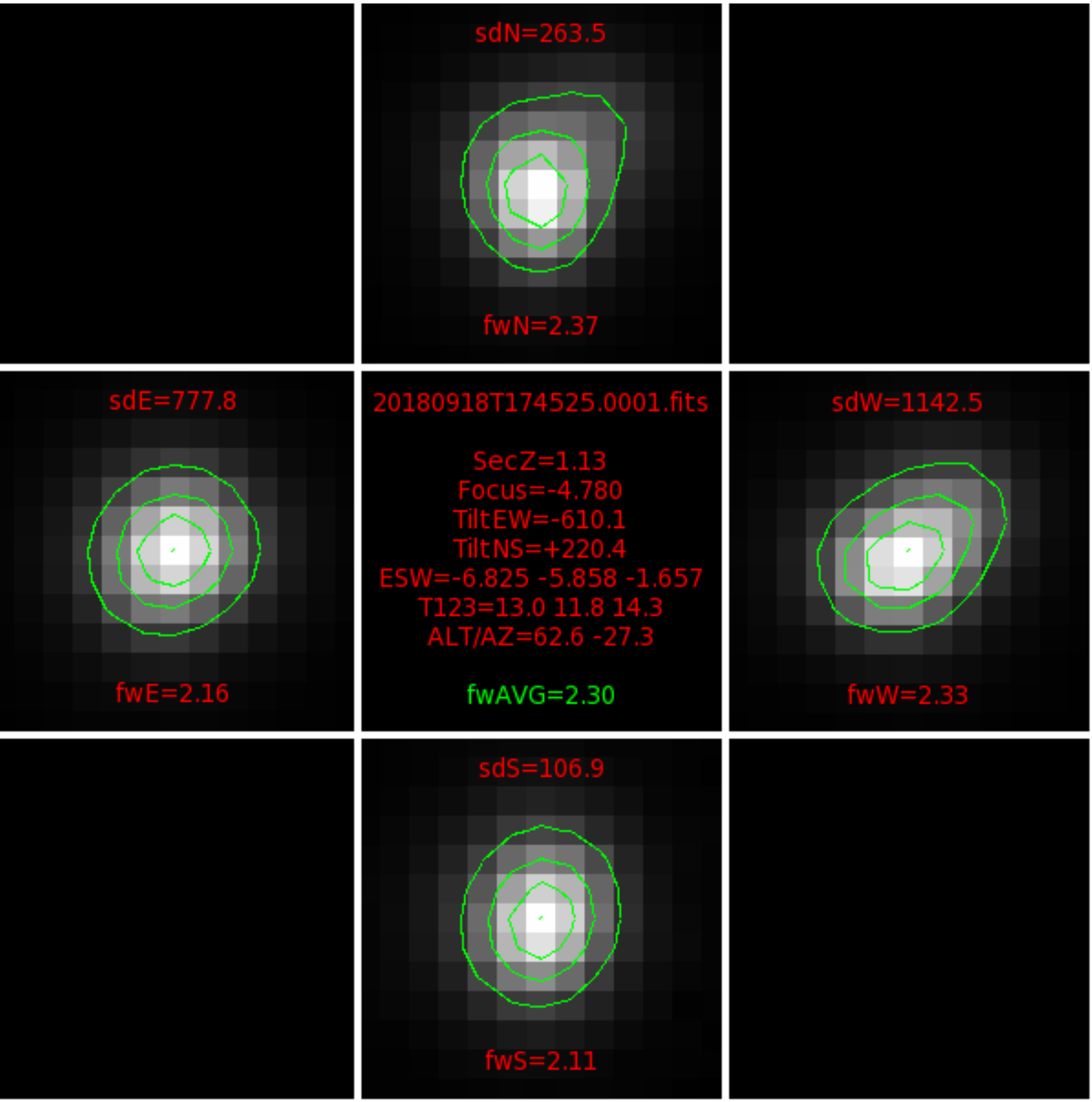
sdN=263.5
fwN=2.37
sdE=777.8
fwE=2.16
20180918T174525.0001.fits
SecZ=1.13
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=13.0 11.8 14.3
ALT/AZ=62.6 -27.3
fwAVG=2.30
sdW=1142.5
fwW=2.33
sdS=106.9
fwS=2.11
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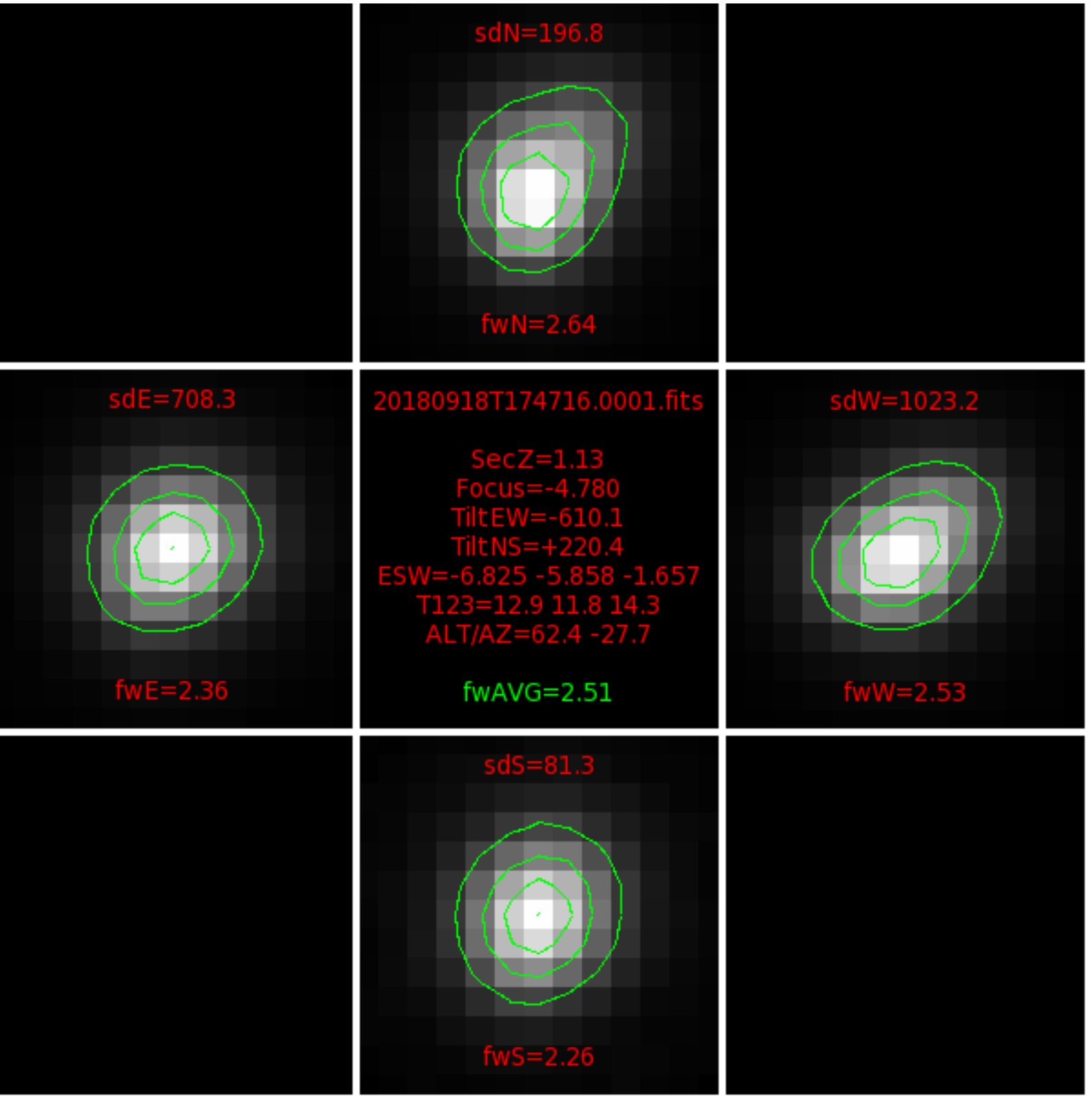
sdN=196.8
fwN=2.64
sdE=708.3
fwE=2.36
20180918T174716.0001.fits
SecZ=1.13
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=12.9 11.8 14.3
ALT/AZ=62.4 -27.7
fwAVG=2.51
sdW=1023.2
fwW=2.53
sdS=81.3
fwS=2.26
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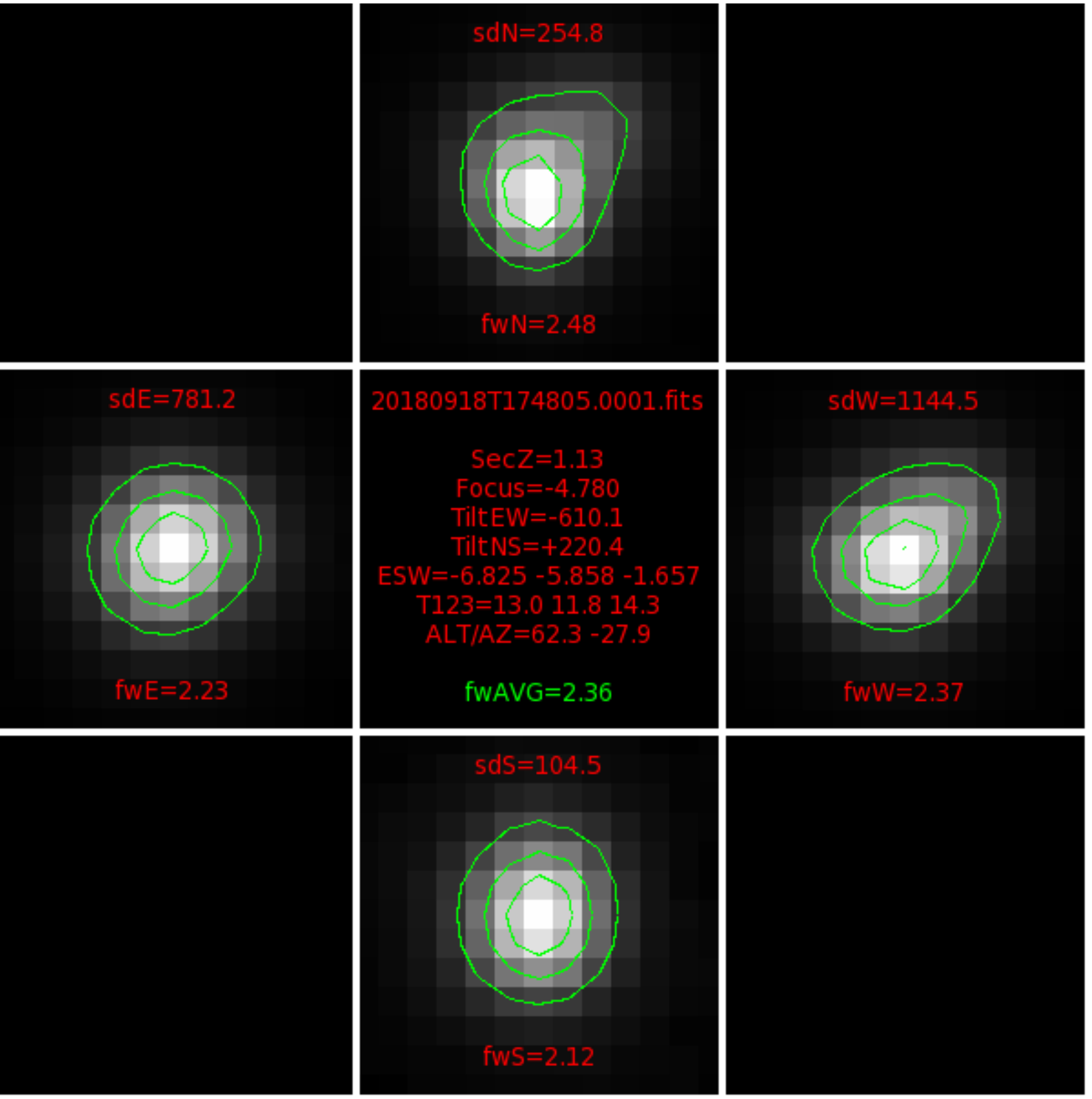
sdN=254.8
fwN=2.48
sdE=781.2
fwE=2.23
20180918T174805.0001.fits
SecZ=1.13
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=13.0 11.8 14.3
ALT/AZ=62.3 -27.9
fwAVG=2.36
sdW=1144.5
fwW=2.37
sdS=104.5
fwS=2.12
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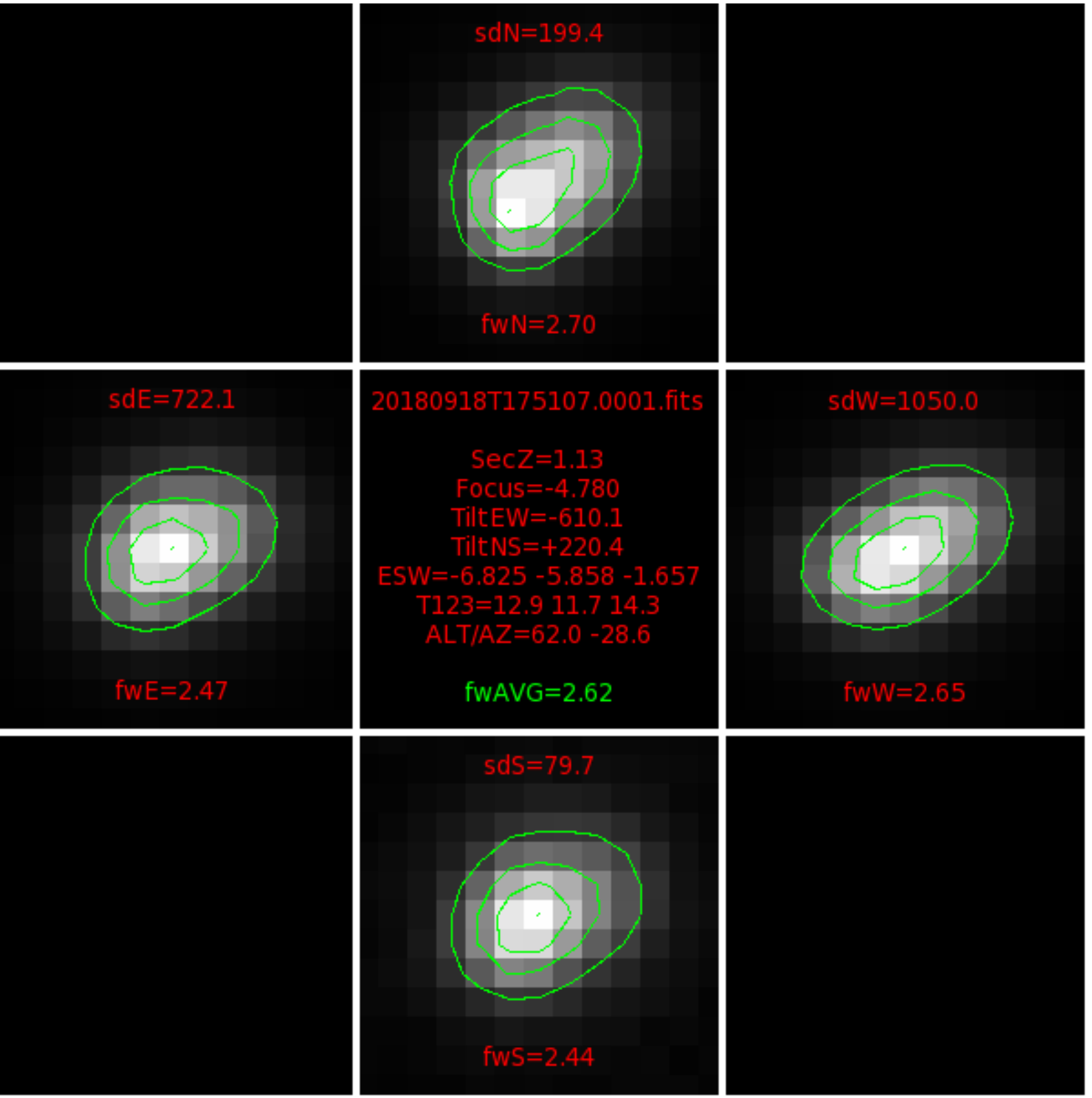
sdN=199.4
fwN=2.70
sdE=722.1
fwE=2.47
20180918T175107.0001.fits
SecZ=1.13
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=12.9 11.7 14.3
ALT/AZ=62.0 -28.6
fwAVG=2.62
sdW=1050.0
fwW=2.65
sdS=79.7
fwS=2.44
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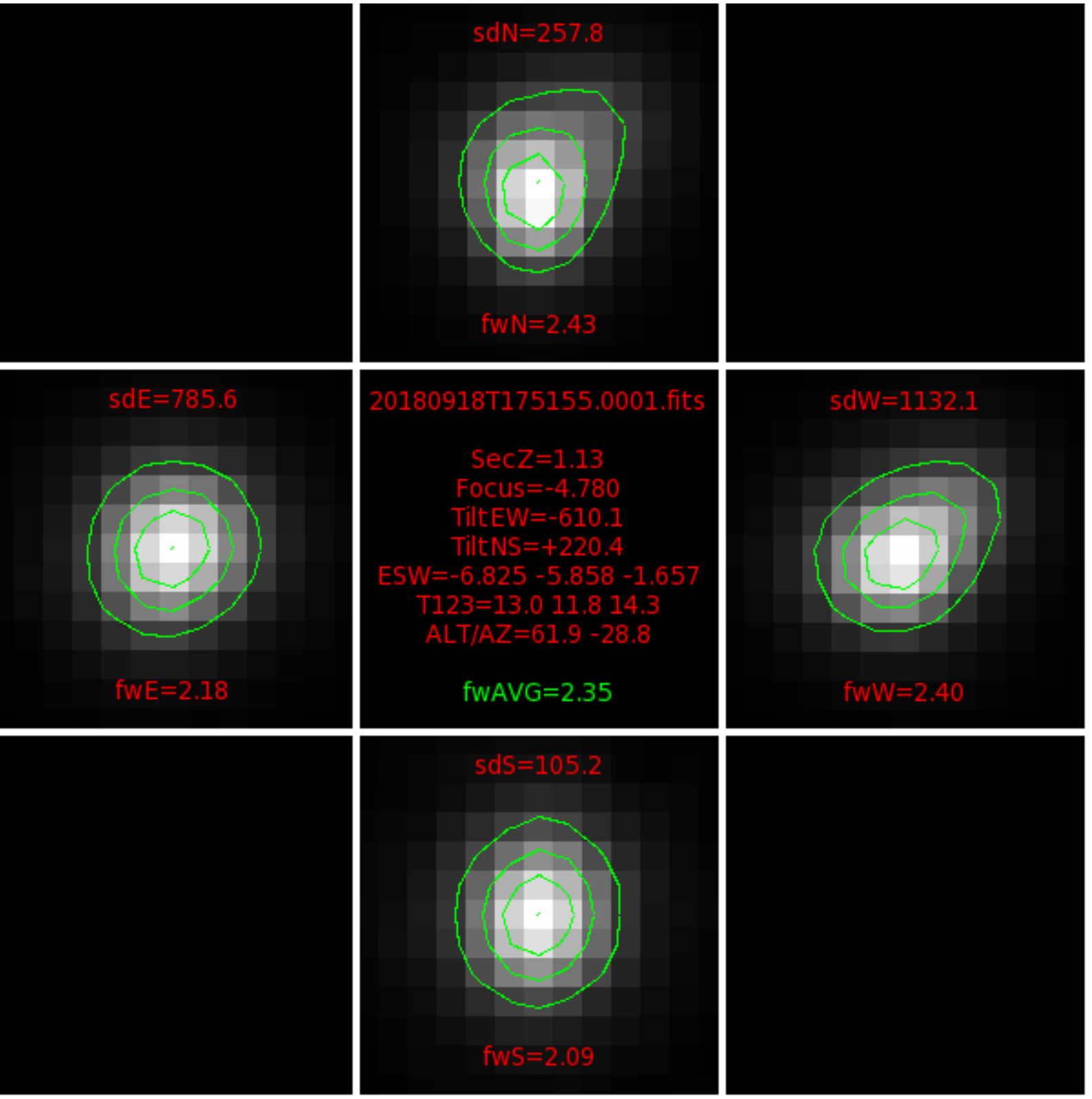
sdN=257.8
fwN=2.43
sdE=785.6
fwE=2.18
20180918T175155.0001.fits
SecZ=1.13
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=13.0 11.8 14.3
ALT/AZ=61.9 -28.8
fwAVG=2.35
sdW=1132.1
fwW=2.40
sdS=105.2
fwS=2.09
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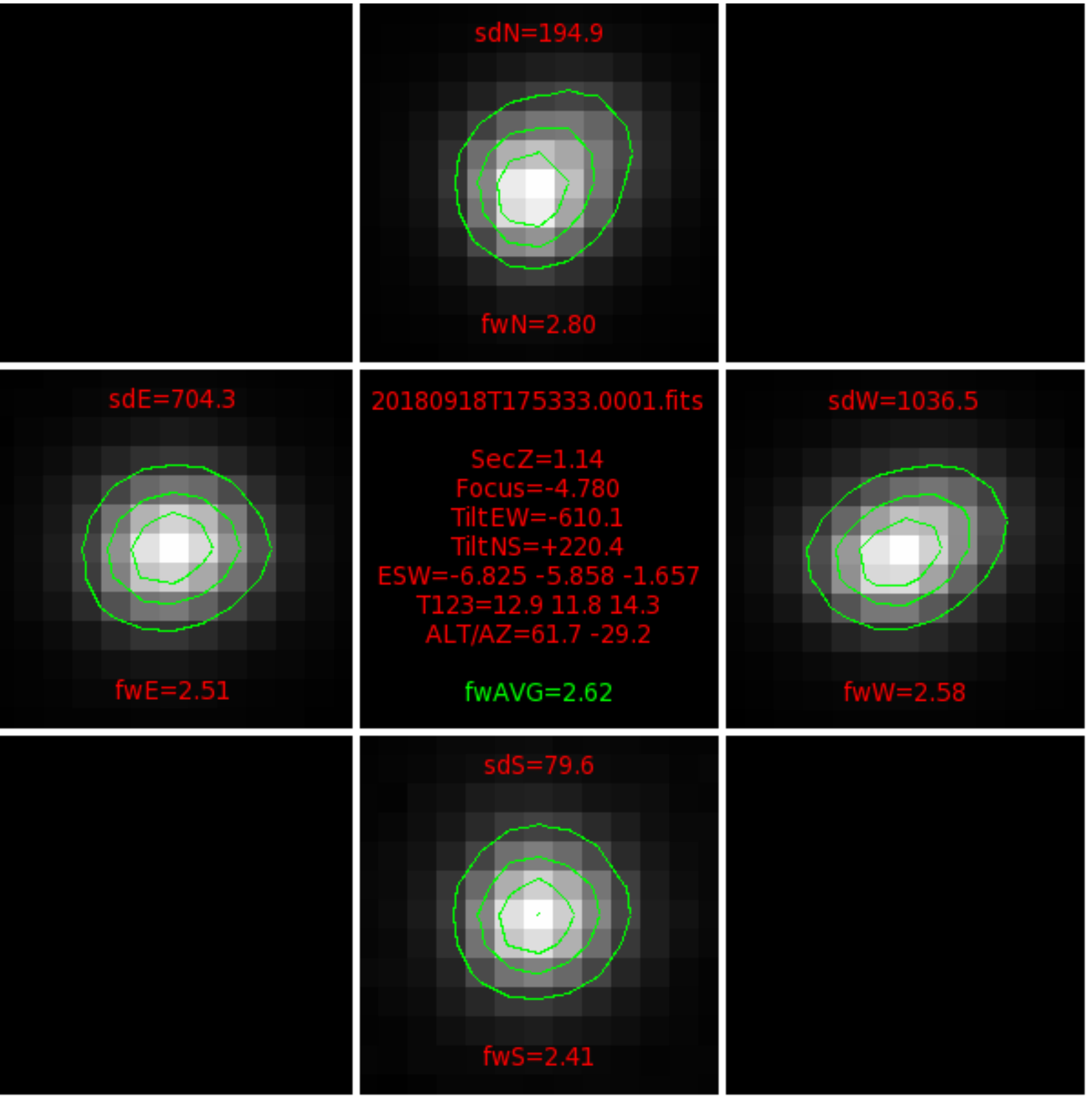
sdN=194.9
fwN=2.80
sdE=704.3
fwE=2.51
20180918T175333.0001.fits
SecZ=1.14
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=12.9 11.8 14.3
ALT/AZ=61.7 -29.2
fwAVG=2.62
sdW=1036.5
fwW=2.58
sdS=79.6
fwS=2.41
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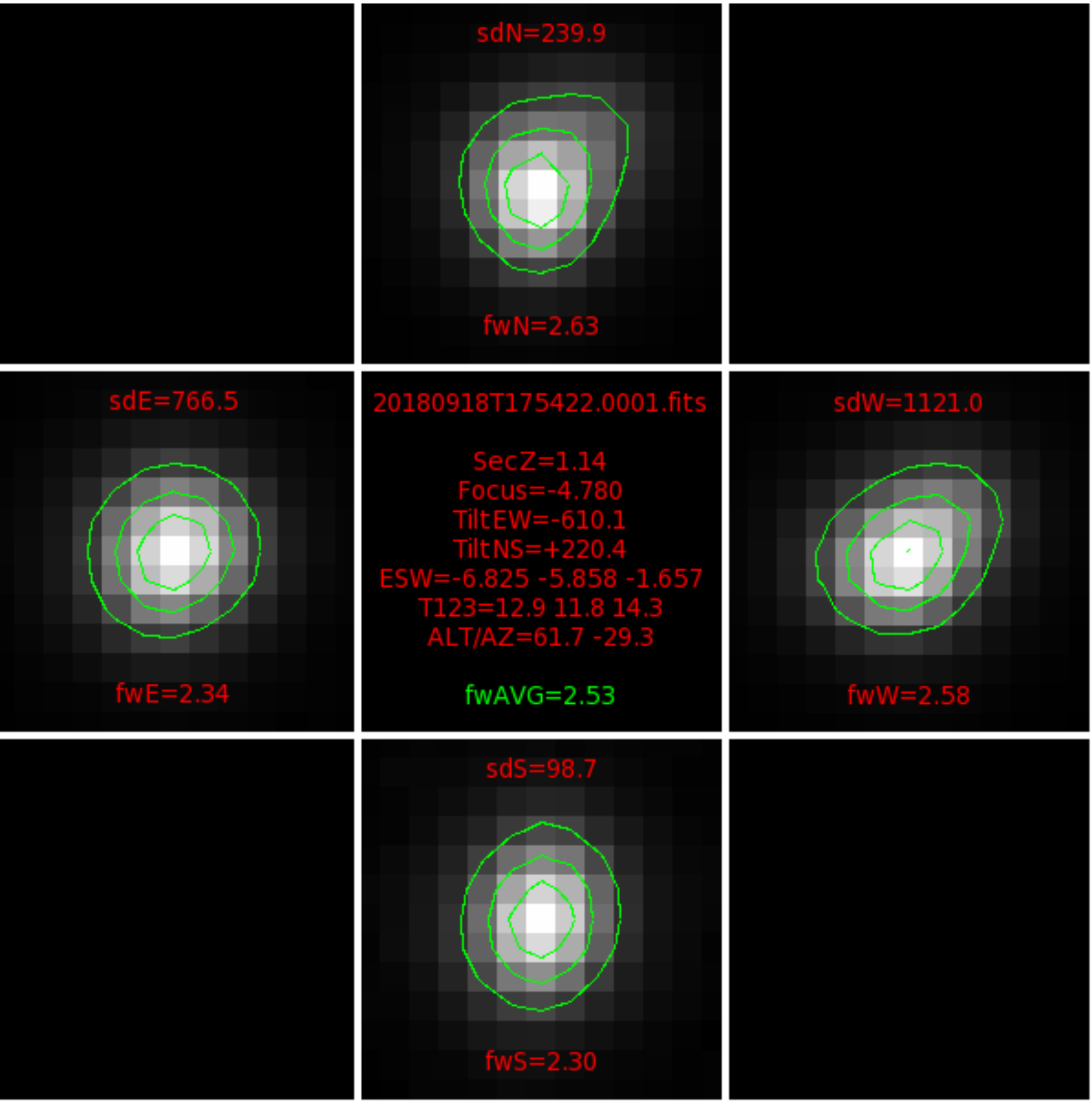
sdN=239.9
fwN=2.63
sdE=766.5
fwE=2.34
20180918T175422.0001.fits
SecZ=1.14
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=12.9 11.8 14.3
ALT/AZ=61.7 -29.3
fwAVG=2.53
sdW=1121.0
fwW=2.58
sdS=98.7
fwS=2.30
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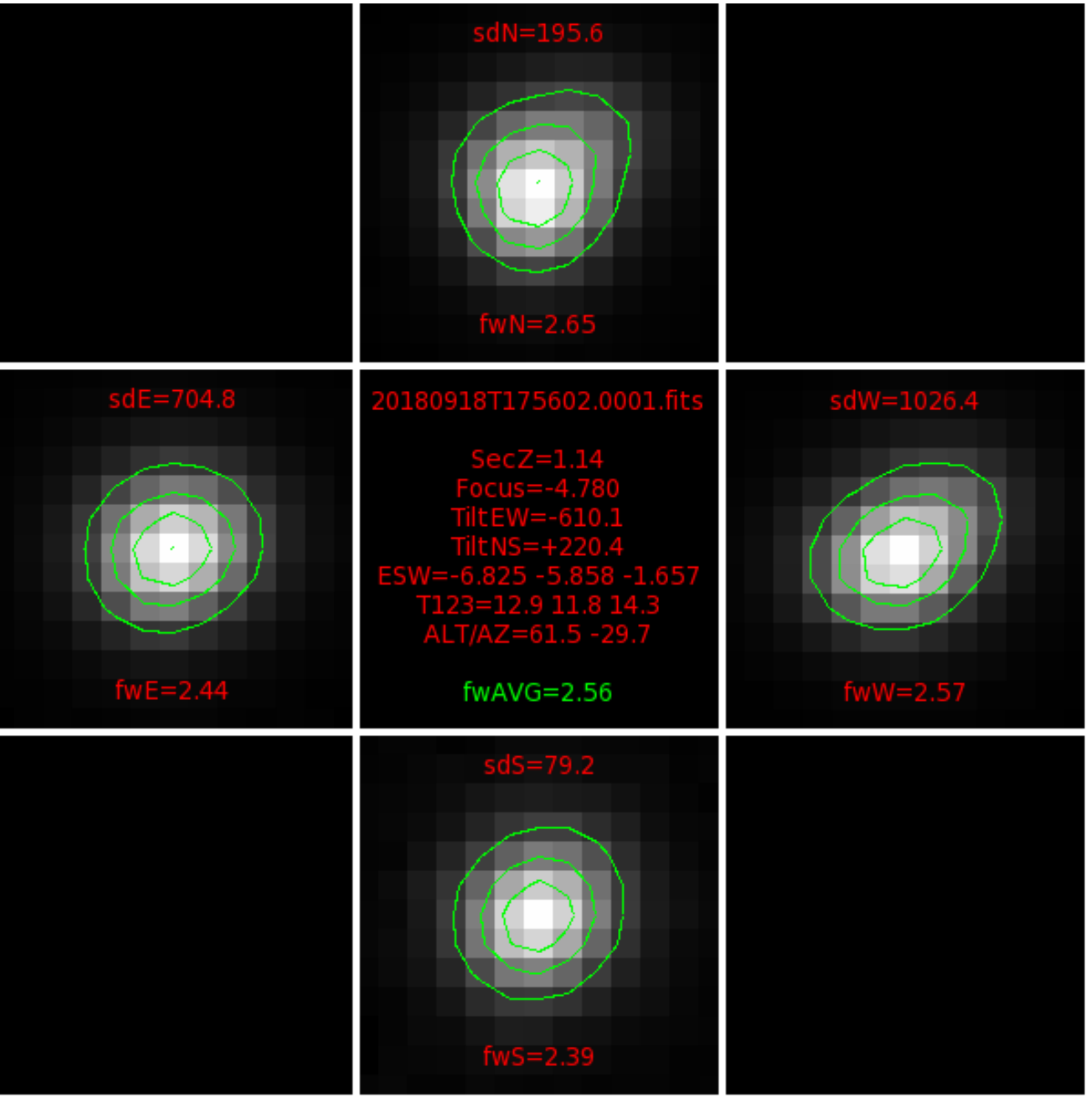
sdN=195.6
fwN=2.65
sdE=704.8
fwE=2.44
20180918T175602.0001.fits
SecZ=1.14
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=12.9 11.8 14.3
ALT/AZ=61.5 -29.7
fwAVG=2.56
sdW=1026.4
fwW=2.57
sdS=79.2
fwS=2.39
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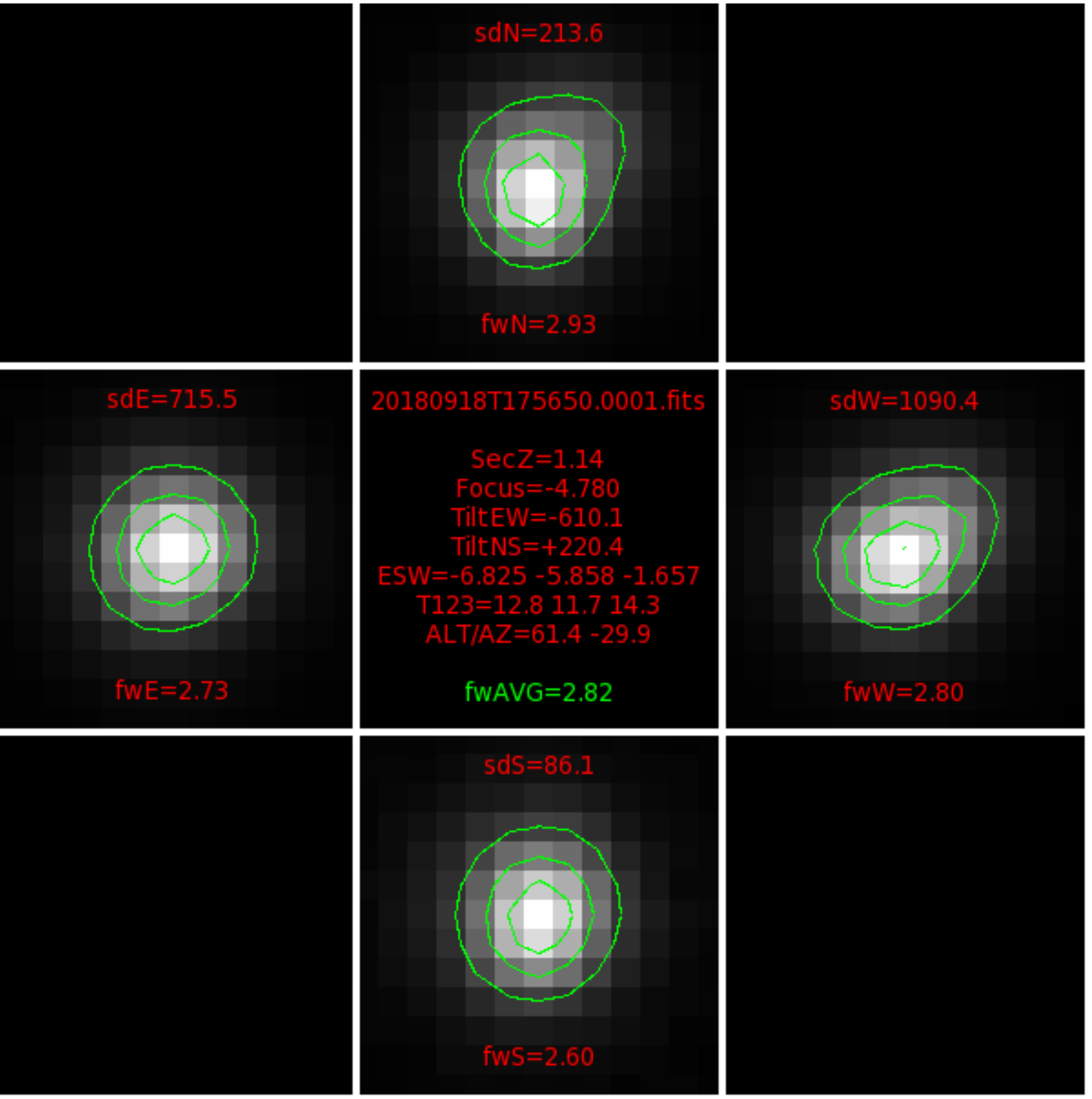
sdN=213.6
fwN=2.93
sdE=715.5
fwE=2.73
20180918T175650.0001.fits
SecZ=1.14
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=12.8 11.7 14.3
ALT/AZ=61.4 -29.9
fwAVG=2.82
sdW=1090.4
fwW=2.80
sdS=86.1
fwS=2.60
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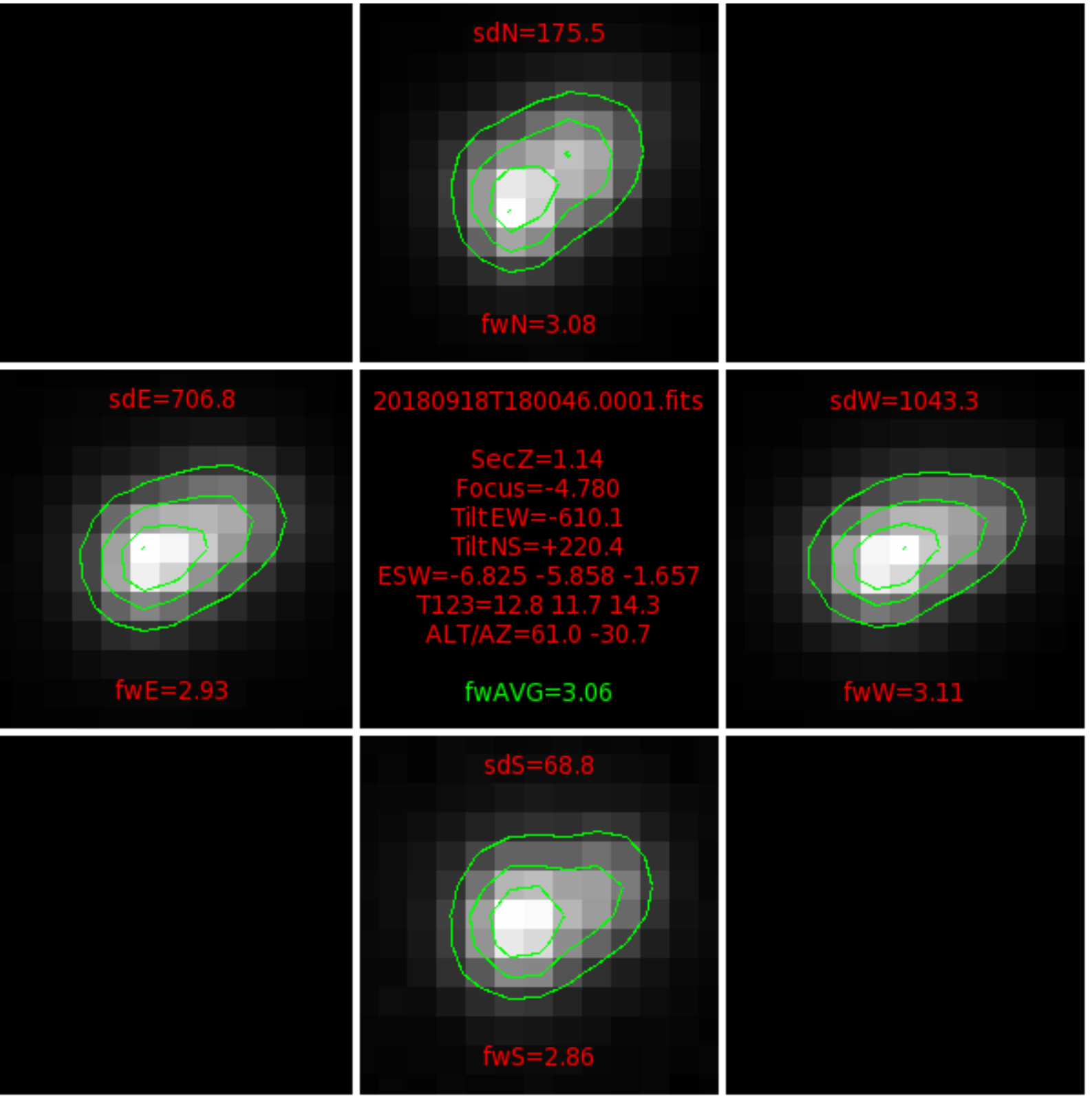
sdN=175.5
fwN=3.08
sdE=706.8
fwE=2.93
20180918T180046.0001.fits
SecZ=1.14
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=12.8 11.7 14.3
ALT/AZ=61.0 -30.7
fwAVG=3.06
sdW=1043.3
fwW=3.11
sdS=68.8
fwS=2.86
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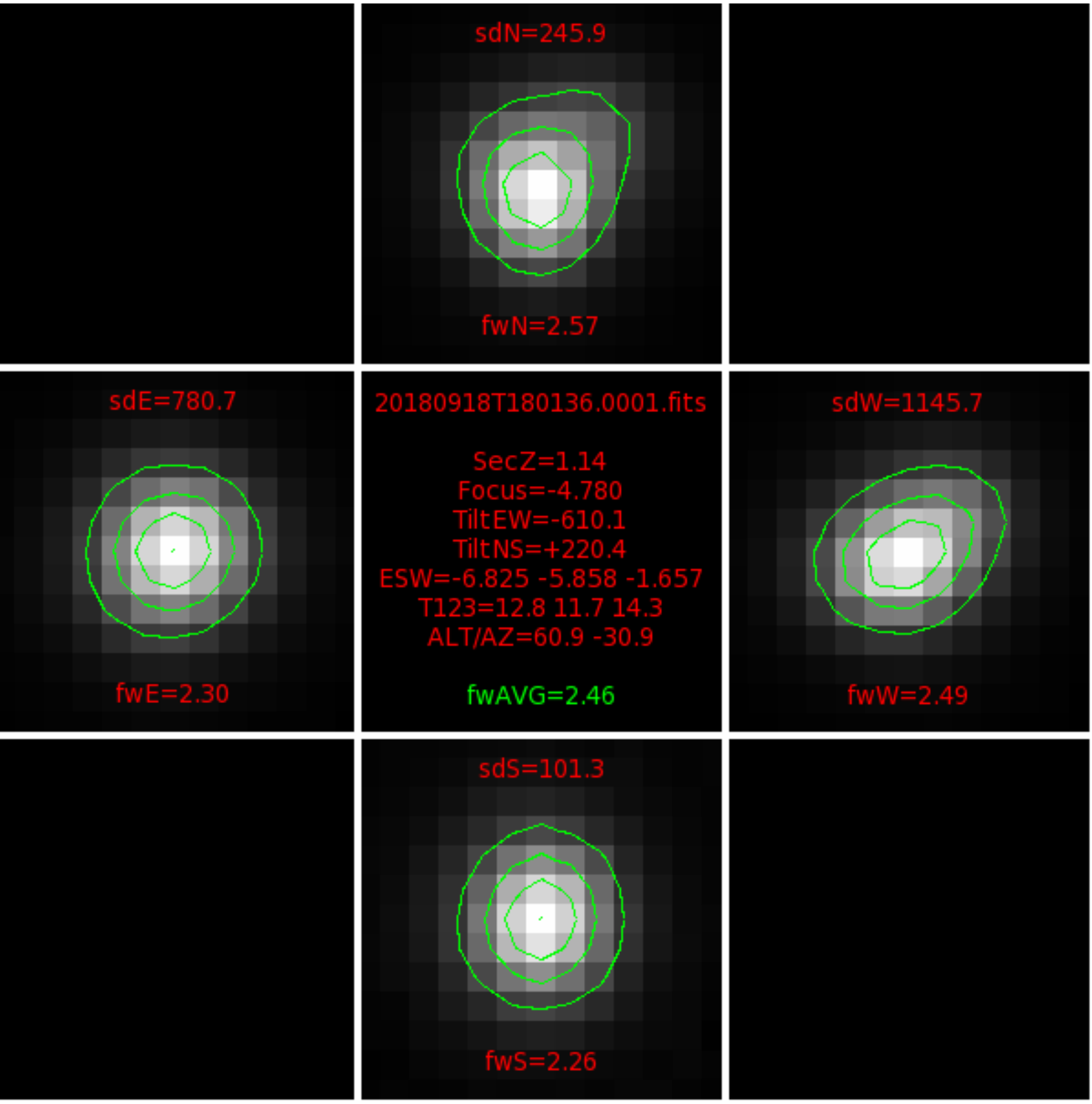
sdN=245.9
fwN=2.57
sdE=780.7
fwE=2.30
20180918T180136.0001.fits
SecZ=1.14
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=12.8 11.7 14.3
ALT/AZ=60.9 -30.9
fwAVG=2.46
sdW=1145.7
fwW=2.49
sdS=101.3
fwS=2.26
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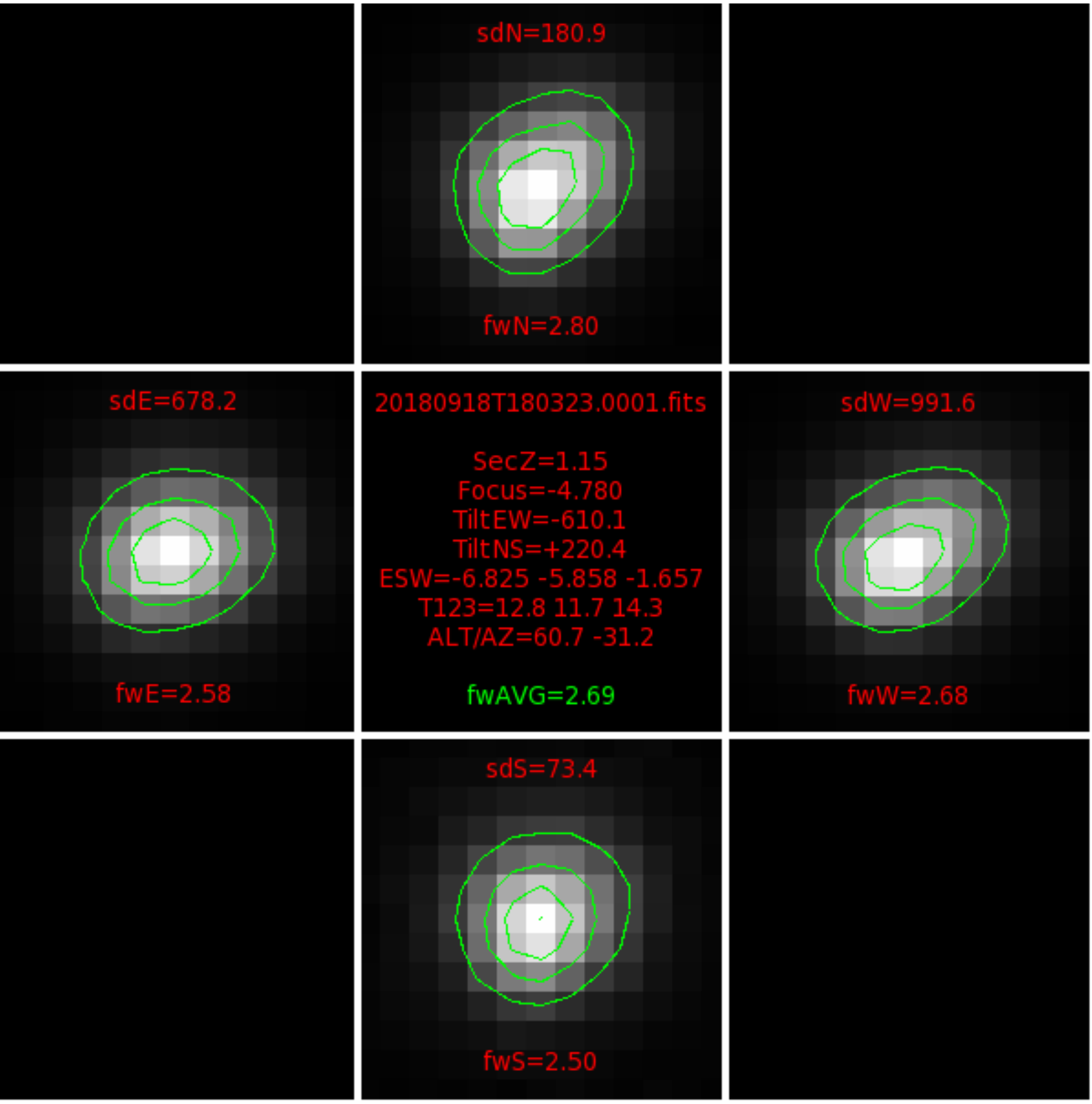
sdN=180.9
fwN=2.80
sdE=678.2
fwE=2.58
20180918T180323.0001.fits
SecZ=1.15
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=12.8 11.7 14.3
ALT/AZ=60.7 -31.2
fwAVG=2.69
sdW=991.6
fwW=2.68
sdS=73.4
fwS=2.50
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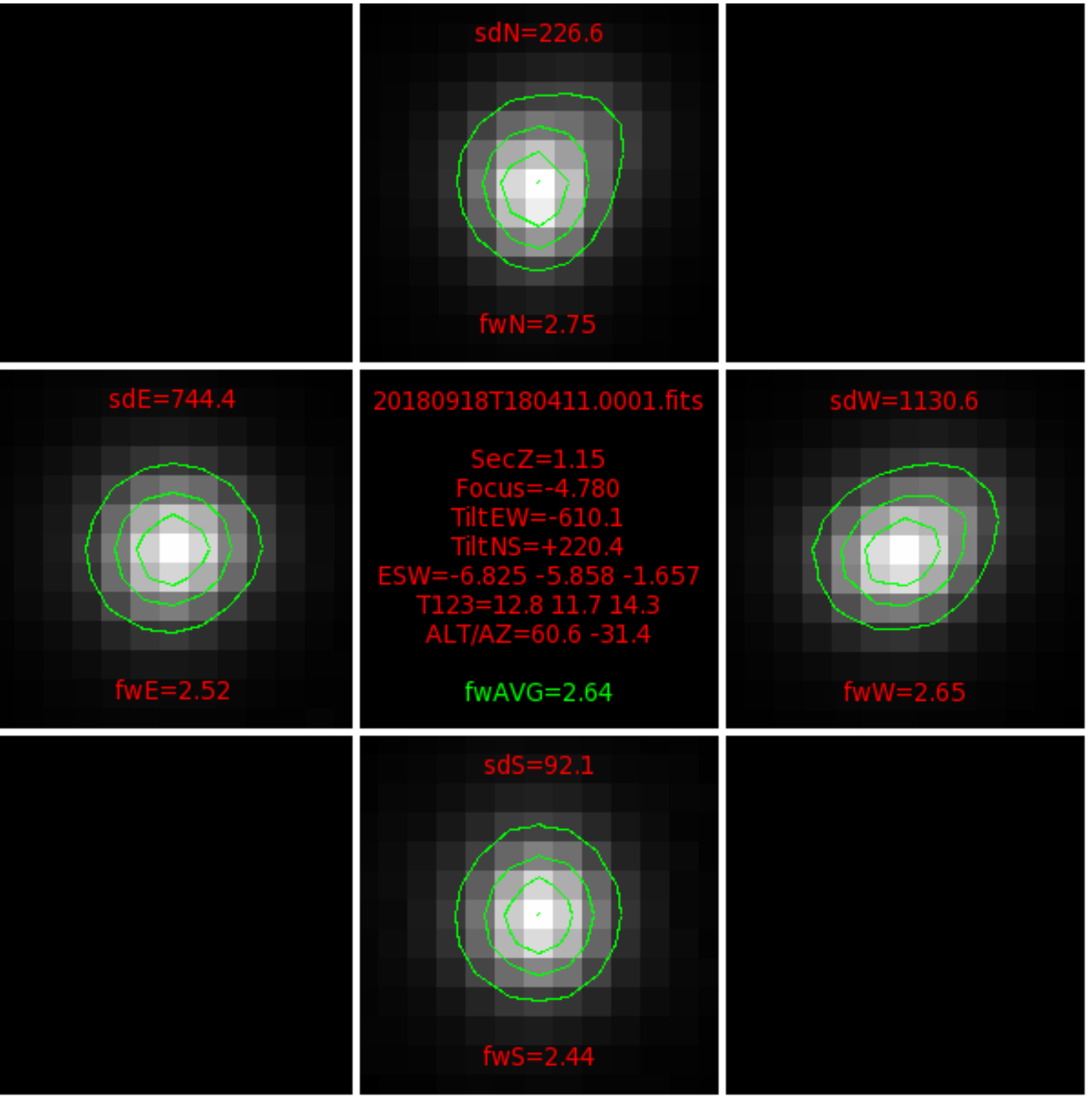
sdN=226.6
fwN=2.75
sdE=744.4
fwE=2.52
20180918T180411.0001.fits
SecZ=1.15
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=12.8 11.7 14.3
ALT/AZ=60.6 -31.4
fwAVG=2.64
sdW=1130.6
fwW=2.65
sdS=92.1
fwS=2.44
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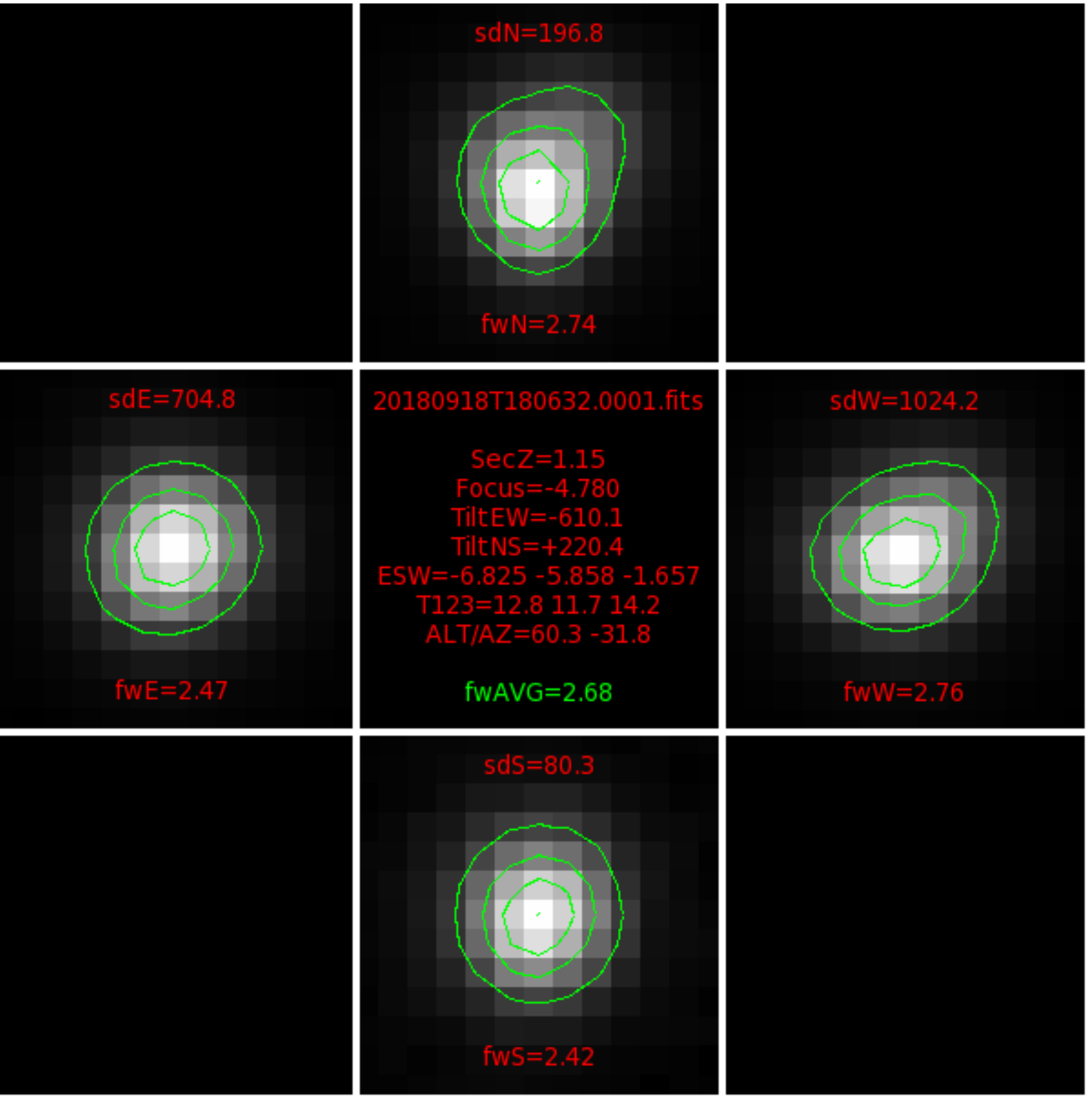
sdN=196.8
fwN=2.74
sdE=704.8
fwE=2.47
20180918T180632.0001.fits
SecZ=1.15
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=12.8 11.7 14.2
ALT/AZ=60.3 -31.8
fwAVG=2.68
sdW=1024.2
fwW=2.76
sdS=80.3
fwS=2.42
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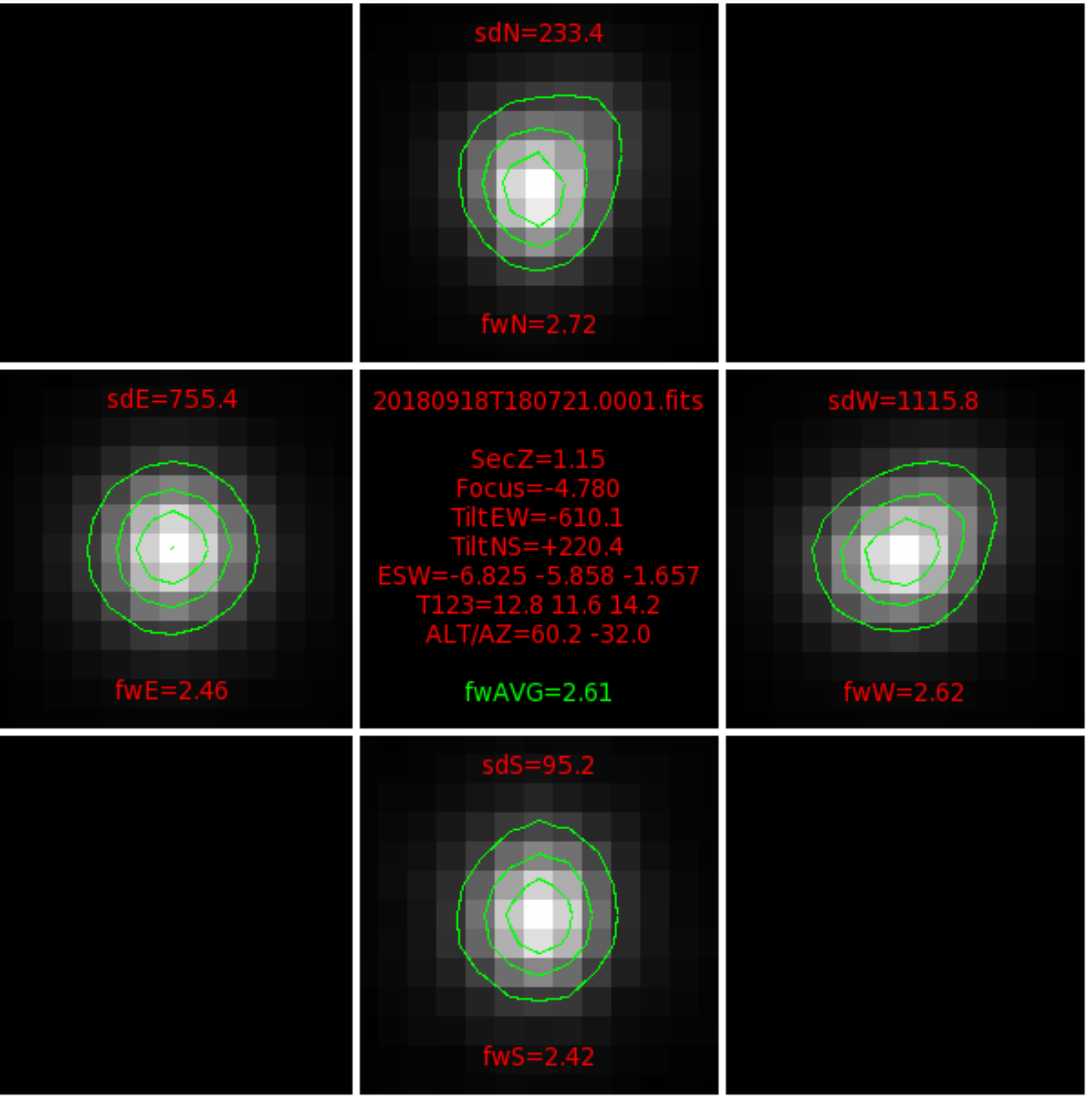
sdN=233.4
fwN=2.72
sdE=755.4
fwE=2.46
20180918T180721.0001.fits
SecZ=1.15
Focus=-4.780
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.825 -5.858 -1.657
T123=12.8 11.6 14.2
ALT/AZ=60.2 -32.0
fwAVG=2.61
sdW=1115.8
fwW=2.62
sdS=95.2
fwS=2.42
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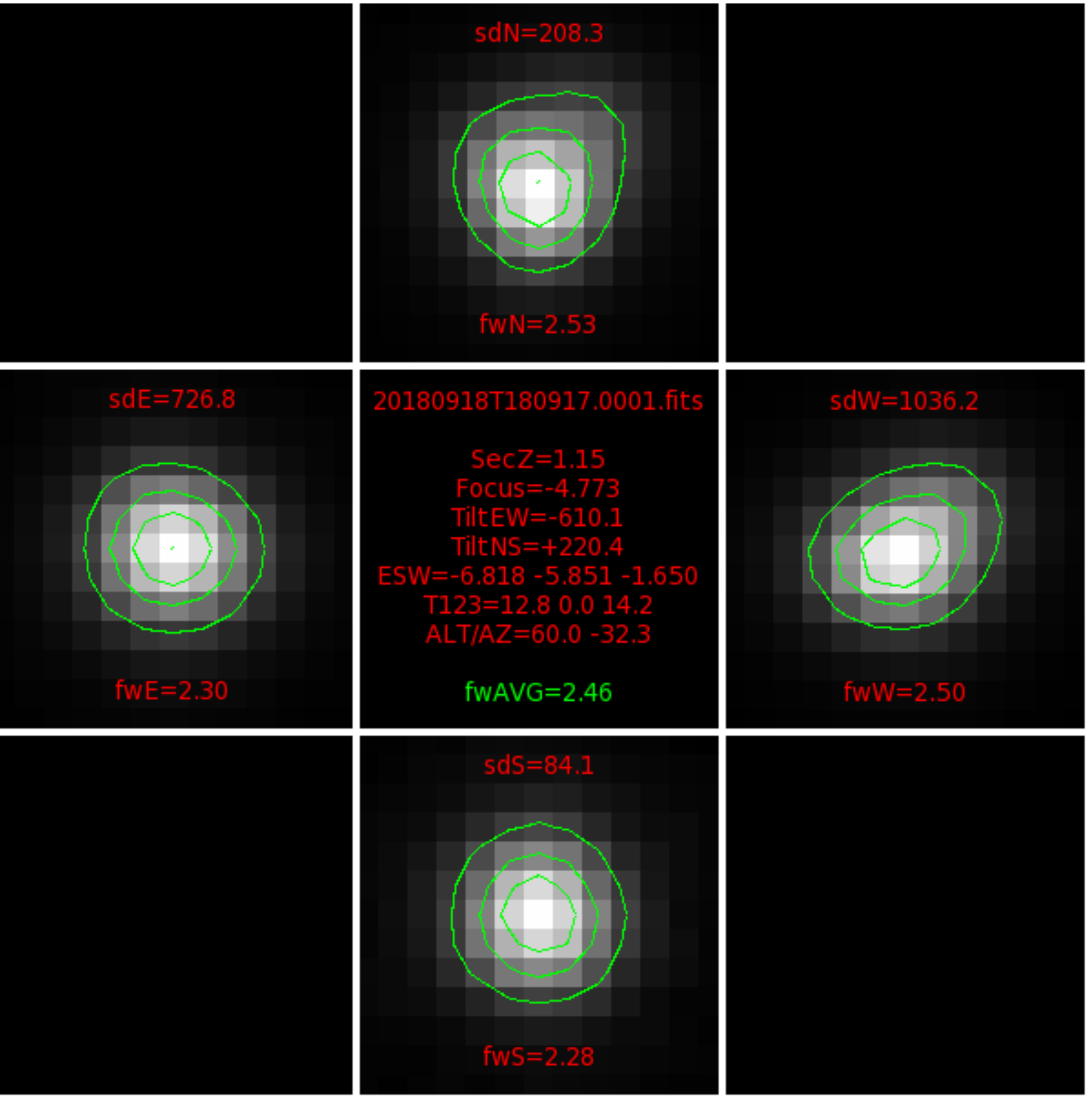
sdN=208.3
fwN=2.53
sdE=726.8
fwE=2.30
20180918T180917.0001.fits
SecZ=1.15
Focus=-4.773
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.818 -5.851 -1.650
T123=12.8 0.0 14.2
ALT/AZ=60.0 -32.3
fwAVG=2.46
sdW=1036.2
fwW=2.50
sdS=84.1
fwS=2.28
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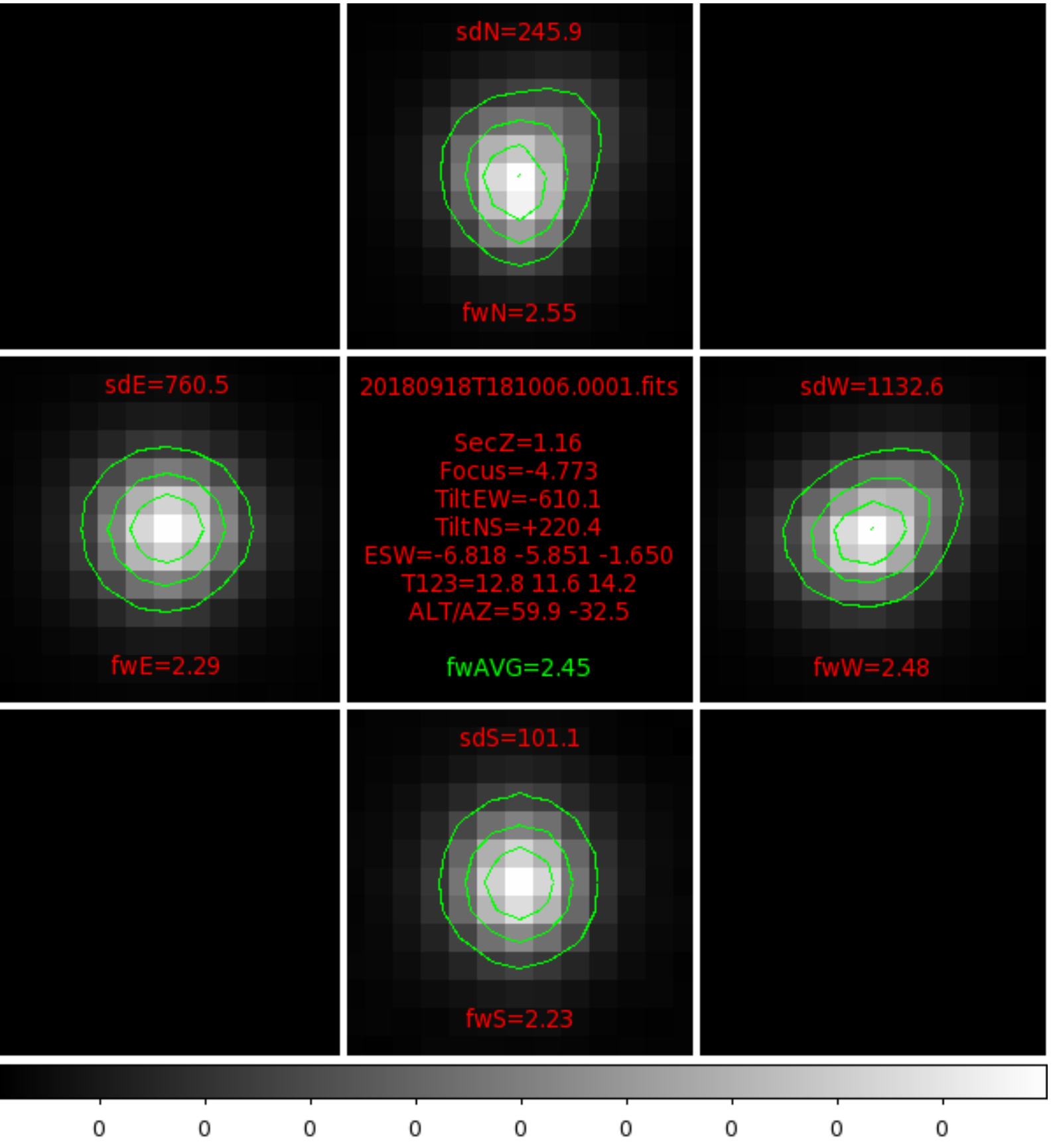
sdN=245.9
fwN=2.55
sdE=760.5
fwE=2.29
20180918T181006.0001.fits
SecZ=1.16
Focus=-4.773
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.818 -5.851 -1.650
T123=12.8 11.6 14.2
ALT/AZ=59.9 -32.5
fwAVG=2.45
sdW=1132.6
fwW=2.48
sdS=101.1
fwS=2.23
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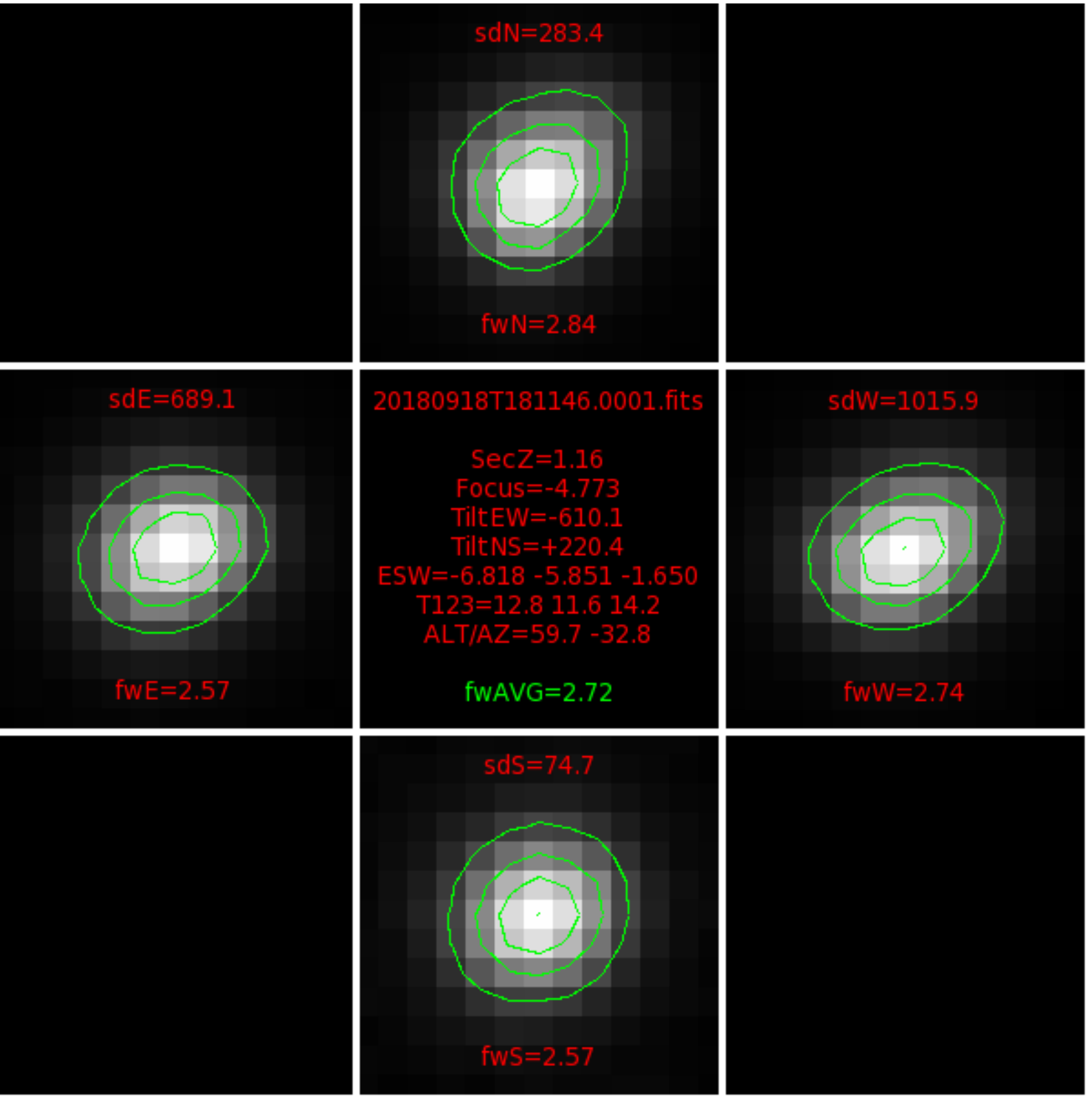
sdN=283.4
fwN=2.84
sdE=689.1
fwE=2.57
20180918T181146.0001.fits
SecZ=1.16
Focus=-4.773
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.818 -5.851 -1.650
T123=12.8 11.6 14.2
ALT/AZ=59.7 -32.8
fwAVG=2.72
sdW=1015.9
fwW=2.74
sdS=74.7
fwS=2.57
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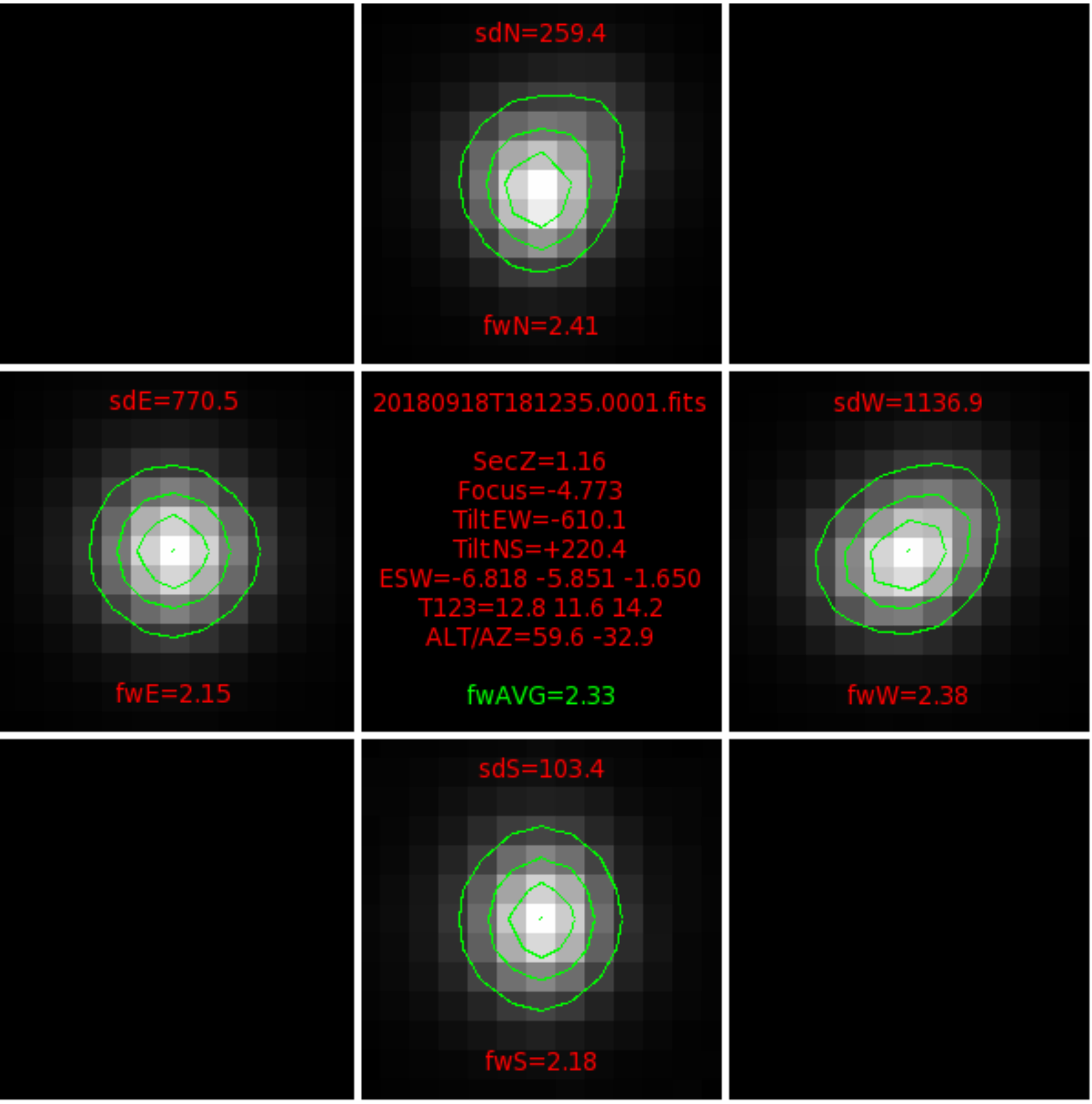
sdN=259.4
fwN=2.41
sdE=770.5
fwE=2.15
20180918T181235.0001.fits
SecZ=1.16
Focus=-4.773
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.818 -5.851 -1.650
T123=12.8 11.6 14.2
ALT/AZ=59.6 -32.9
fwAVG=2.33
sdW=1136.9
fwW=2.38
sdS=103.4
fwS=2.18
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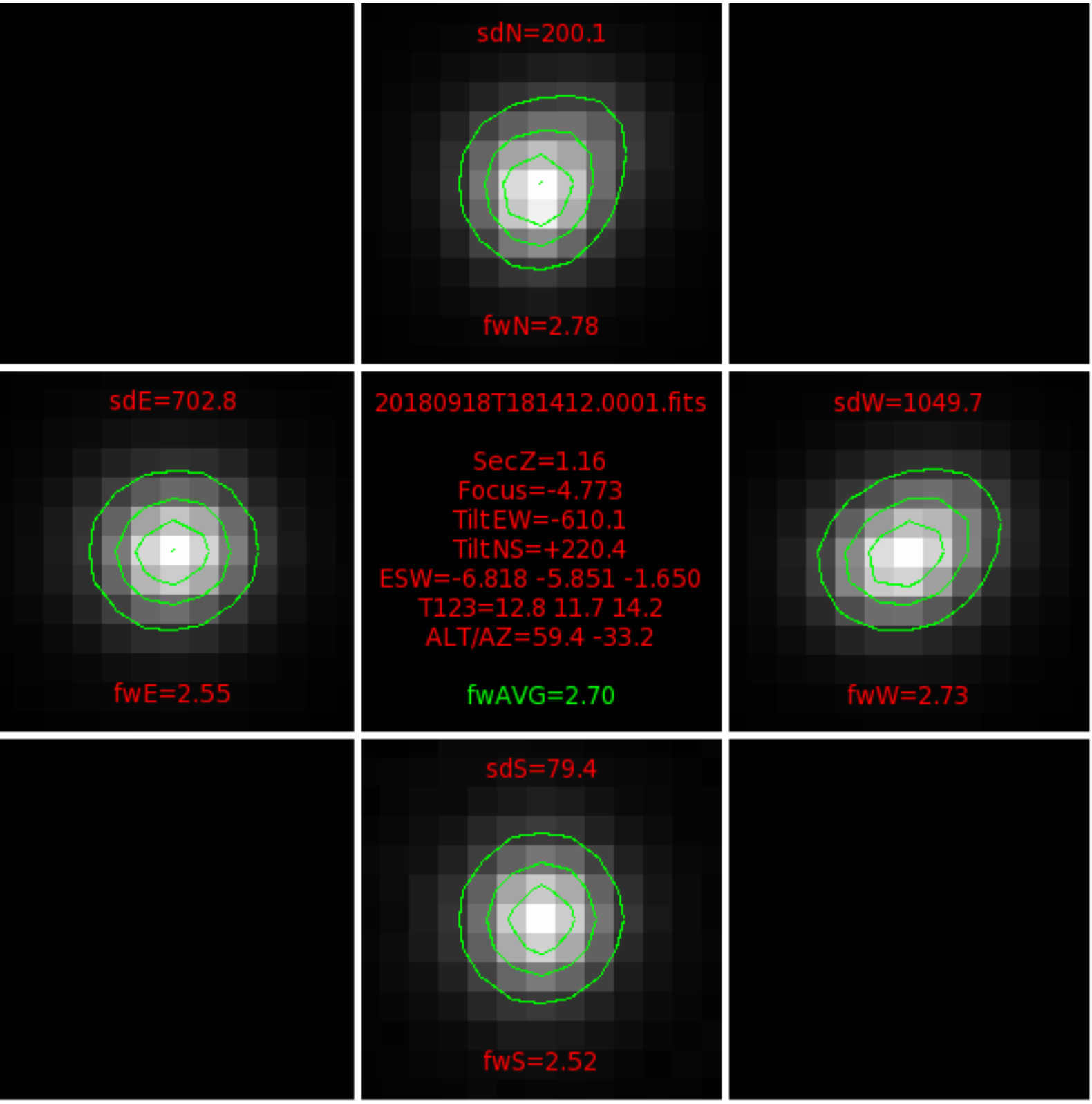
sdN=200.1
fwN=2.78
sdE=702.8
fwE=2.55
20180918T181412.0001.fits
SecZ=1.16
Focus=-4.773
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.818 -5.851 -1.650
T123=12.8 11.7 14.2
ALT/AZ=59.4 -33.2
fwAVG=2.70
sdW=1049.7
fwW=2.73
sdS=79.4
fwS=2.52
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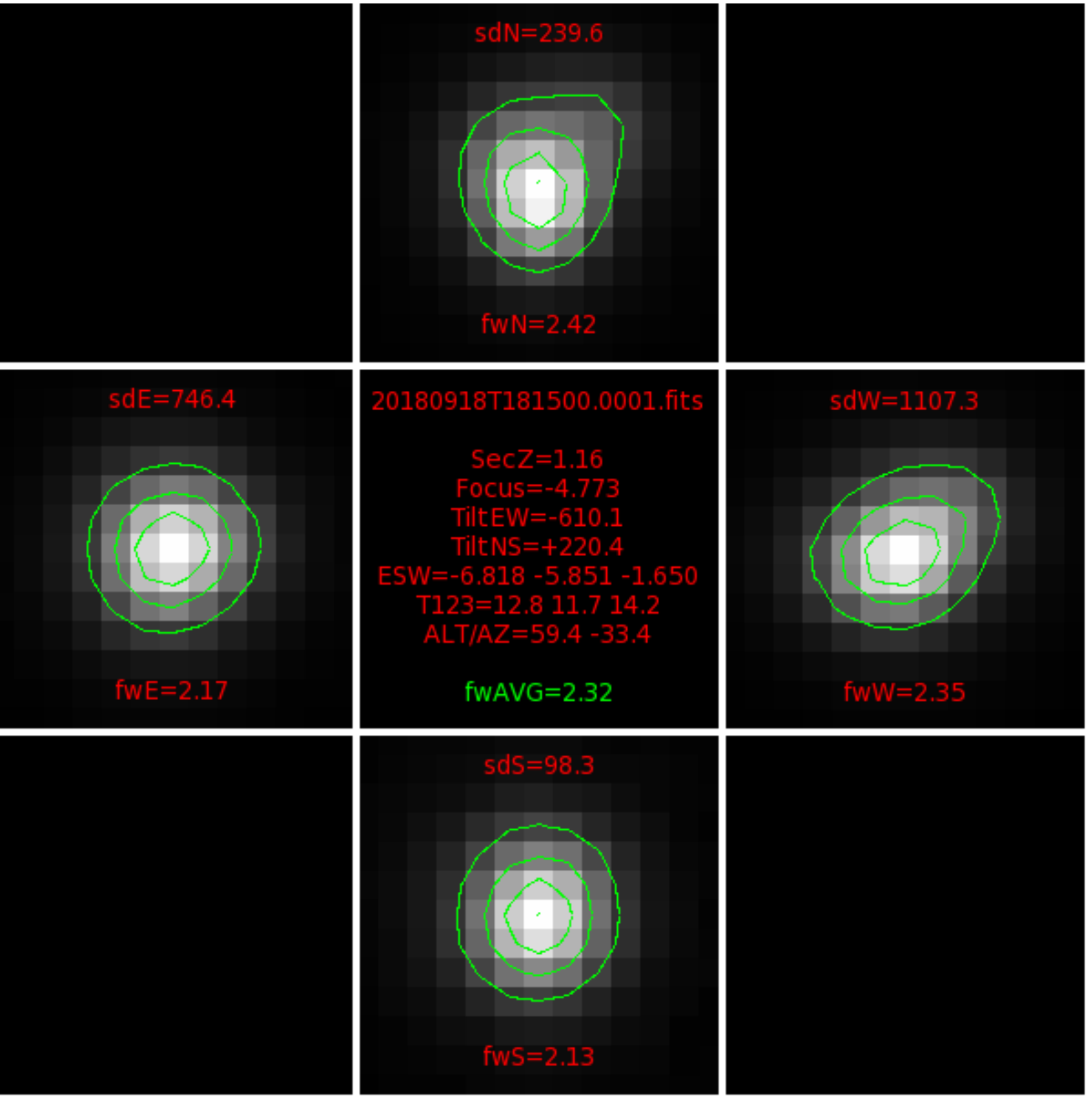
sdN=239.6
fwN=2.42
sdE=746.4
fwE=2.17
20180918T181500.0001.fits
SecZ=1.16
Focus=-4.773
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.818 -5.851 -1.650
T123=12.8 11.7 14.2
ALT/AZ=59.4 -33.4
fwAVG=2.32
sdW=1107.3
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sdS=98.3
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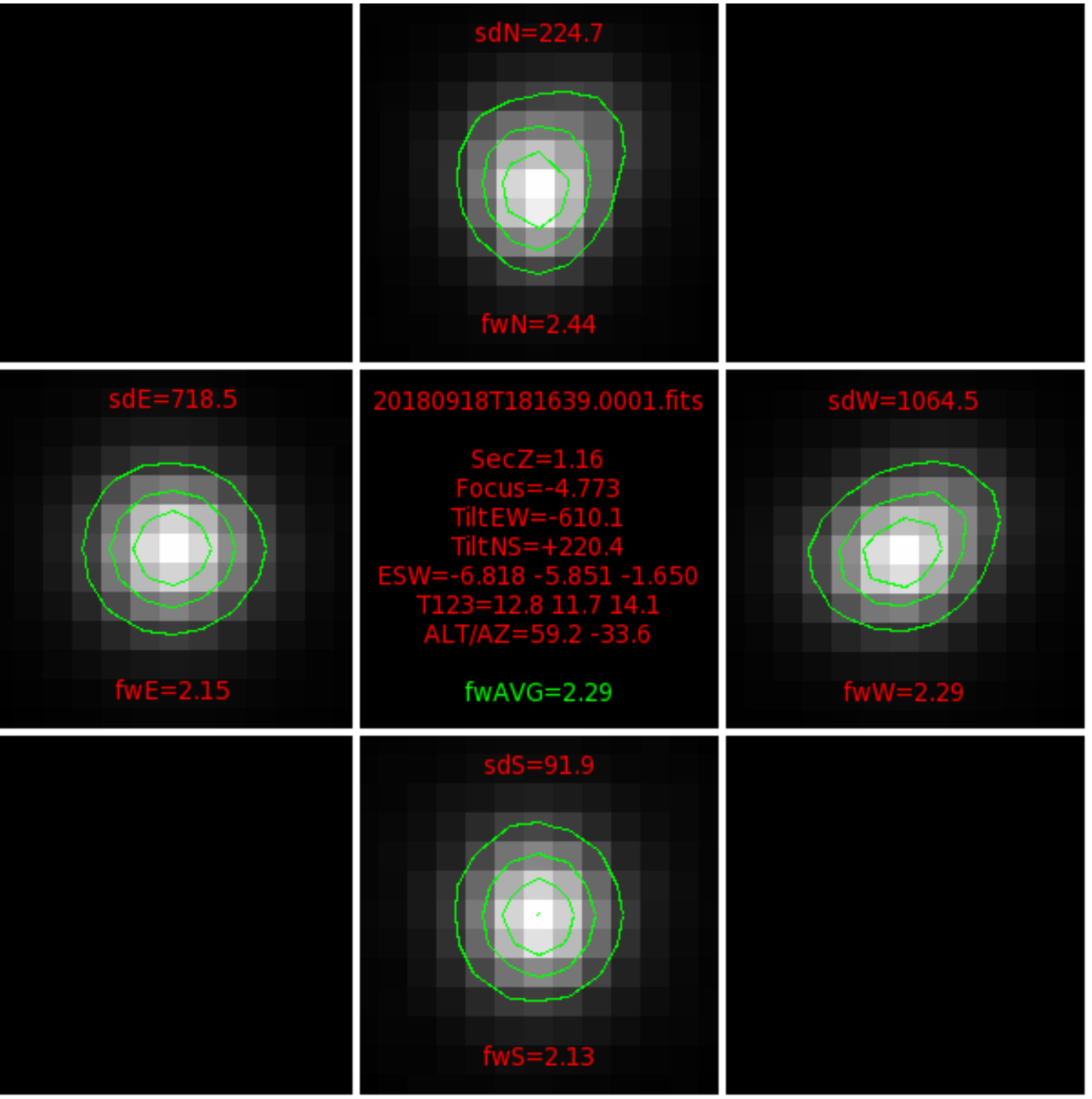
sdN=224.7
fwN=2.44
sdE=718.5
fwE=2.15
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SecZ=1.16
Focus=-4.773
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.818 -5.851 -1.650
T123=12.8 11.7 14.1
ALT/AZ=59.2 -33.6
fwAVG=2.29
sdW=1064.5
fwW=2.29
sdS=91.9
fwS=2.13
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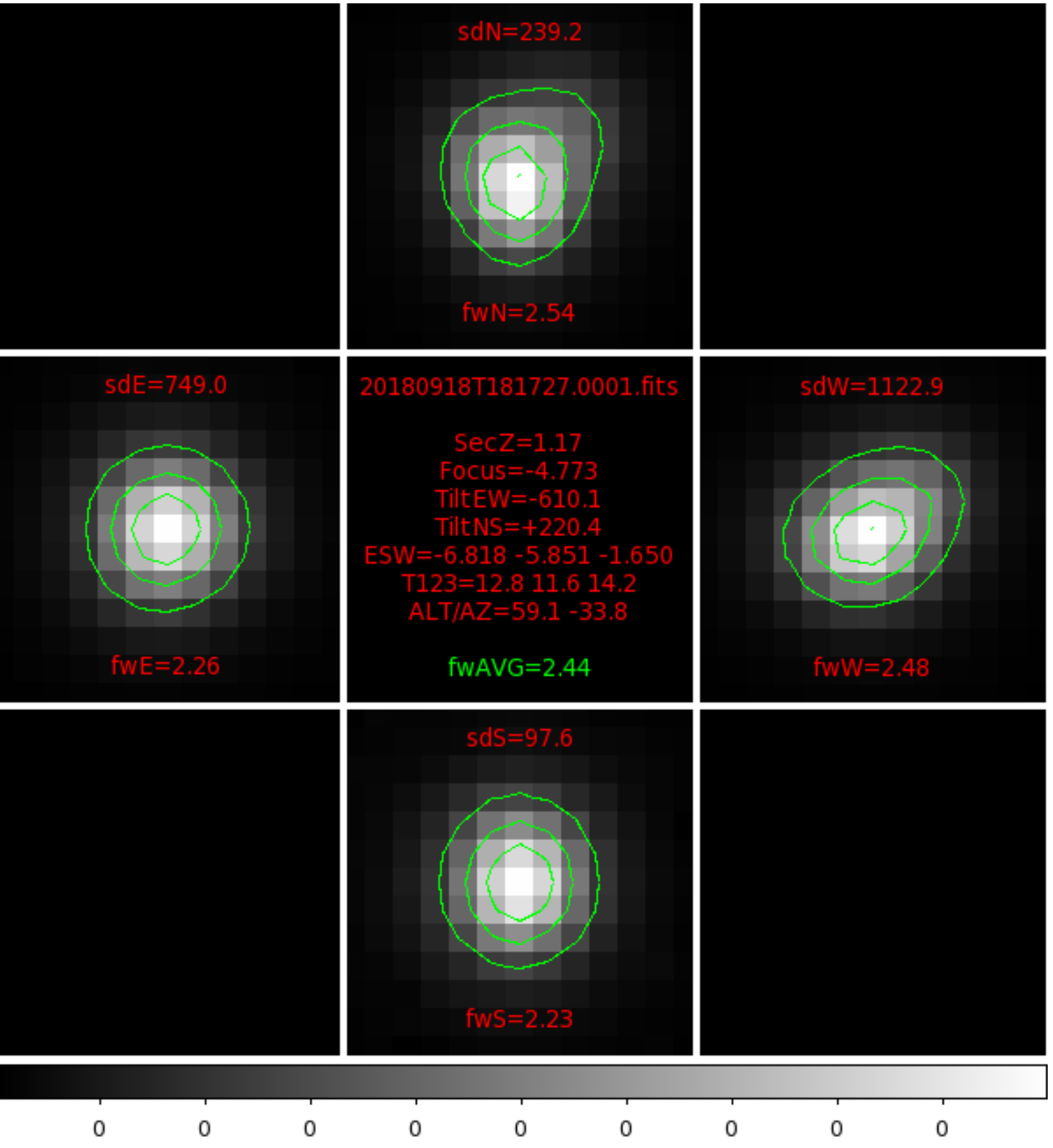
sdN=239.2
fwN=2.54
sdE=749.0
fwE=2.26
20180918T181727.0001.fits
SecZ=1.17
Focus=-4.773
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.818 -5.851 -1.650
T123=12.8 11.6 14.2
ALT/AZ=59.1 -33.8
fwAVG=2.44
sdW=1122.9
fwW=2.48
sdS=97.6
fwS=2.23
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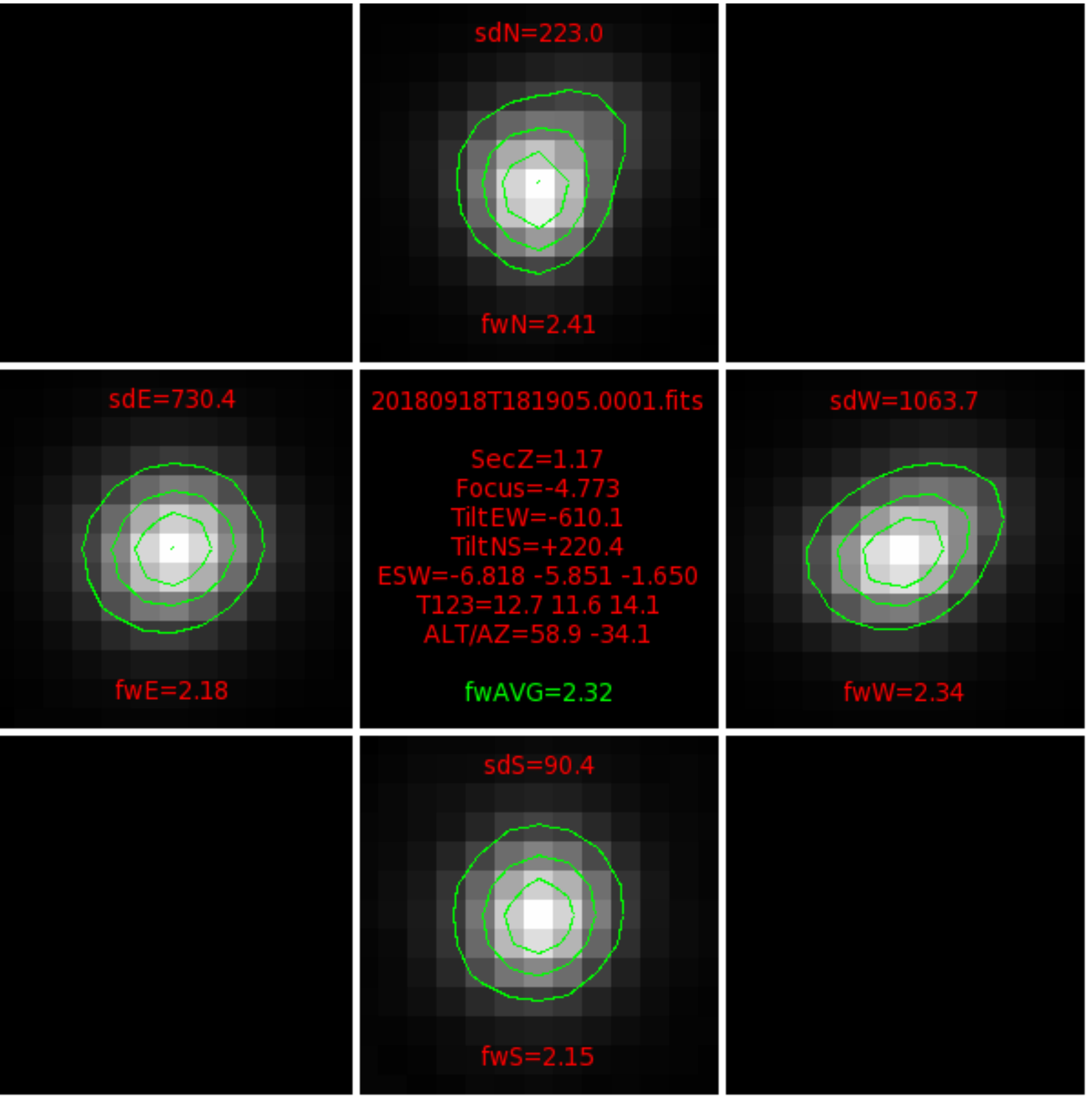
sdN=223.0
fwN=2.41
sdE=730.4
fwE=2.18
20180918T181905.0001.fits
SecZ=1.17
Focus=-4.773
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.818 -5.851 -1.650
T123=12.7 11.6 14.1
ALT/AZ=58.9 -34.1
fwAVG=2.32
sdW=1063.7
fwW=2.34
sdS=90.4
fwS=2.15
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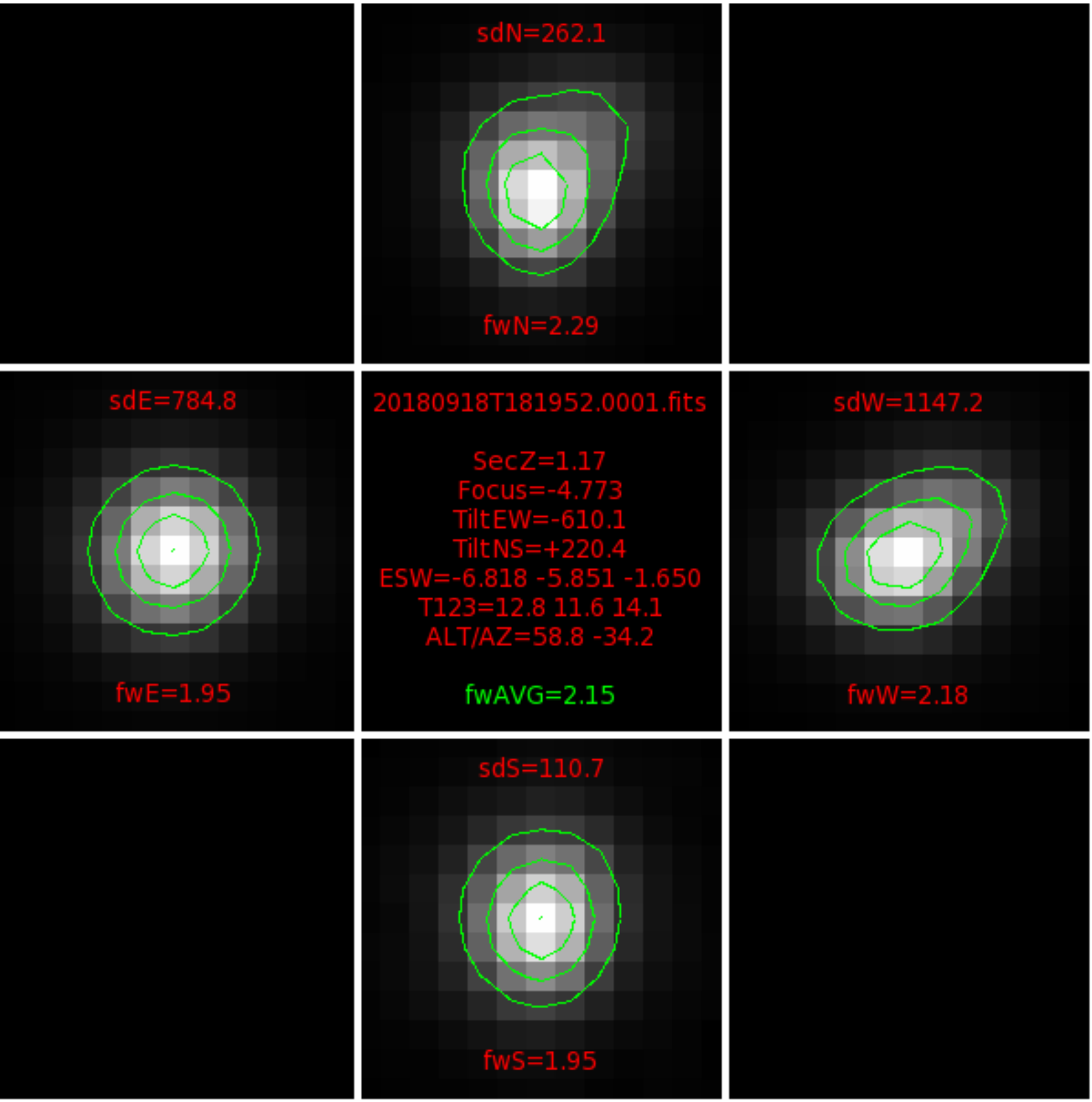
sdN=262.1
fwN=2.29
sdE=784.8
fwE=1.95
20180918T181952.0001.fits
SecZ=1.17
Focus=-4.773
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.818 -5.851 -1.650
T123=12.8 11.6 14.1
ALT/AZ=58.8 -34.2
fwAVG=2.15
sdW=1147.2
fwW=2.18
sdS=110.7
fwS=1.95
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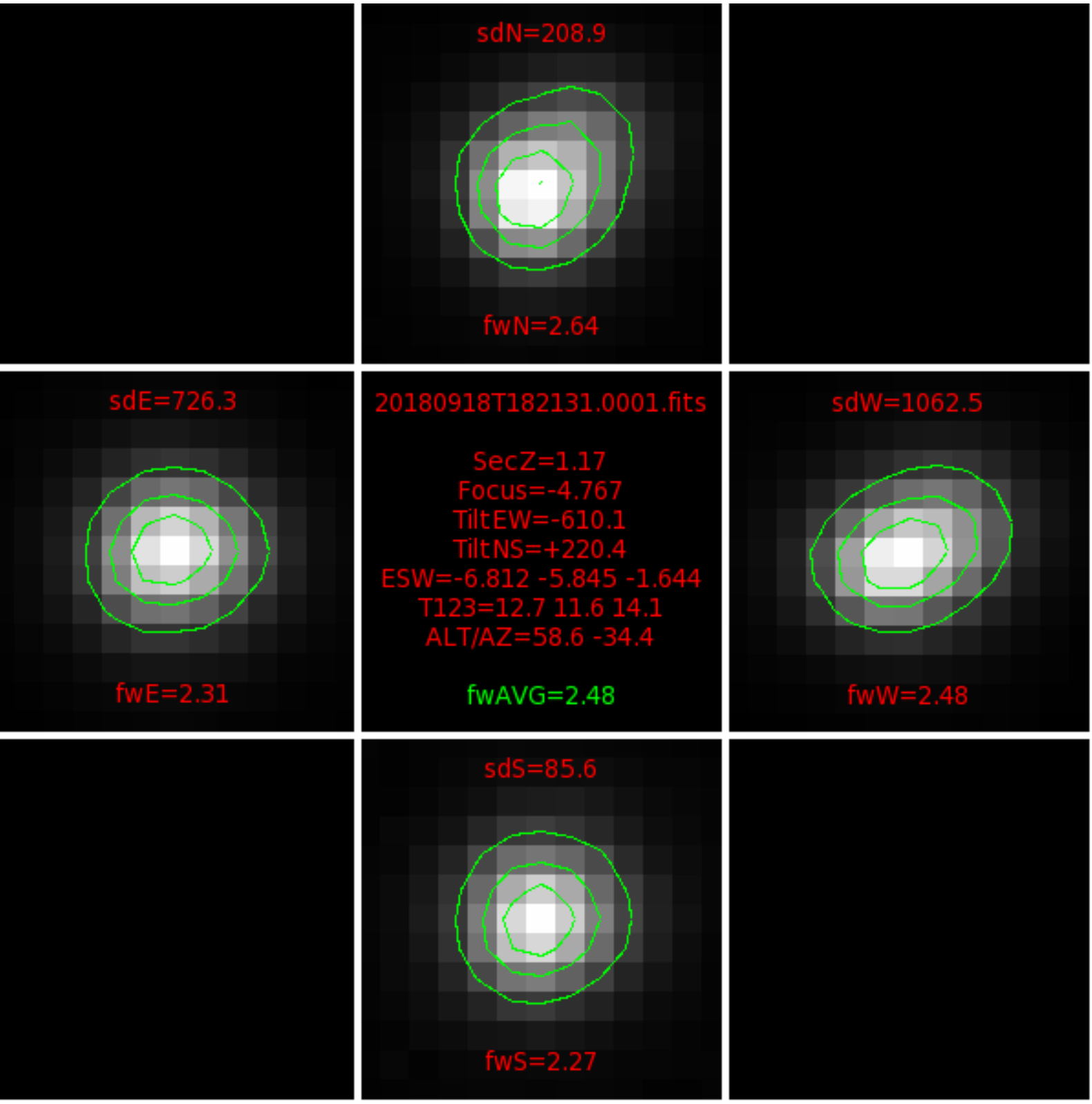
sdN=208.9
fwN=2.64
sdE=726.3
fwE=2.31
20180918T182131.0001.fits
SecZ=1.17
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=12.7 11.6 14.1
ALT/AZ=58.6 -34.4
fwAVG=2.48
sdW=1062.5
fwW=2.48
sdS=85.6
fwS=2.27
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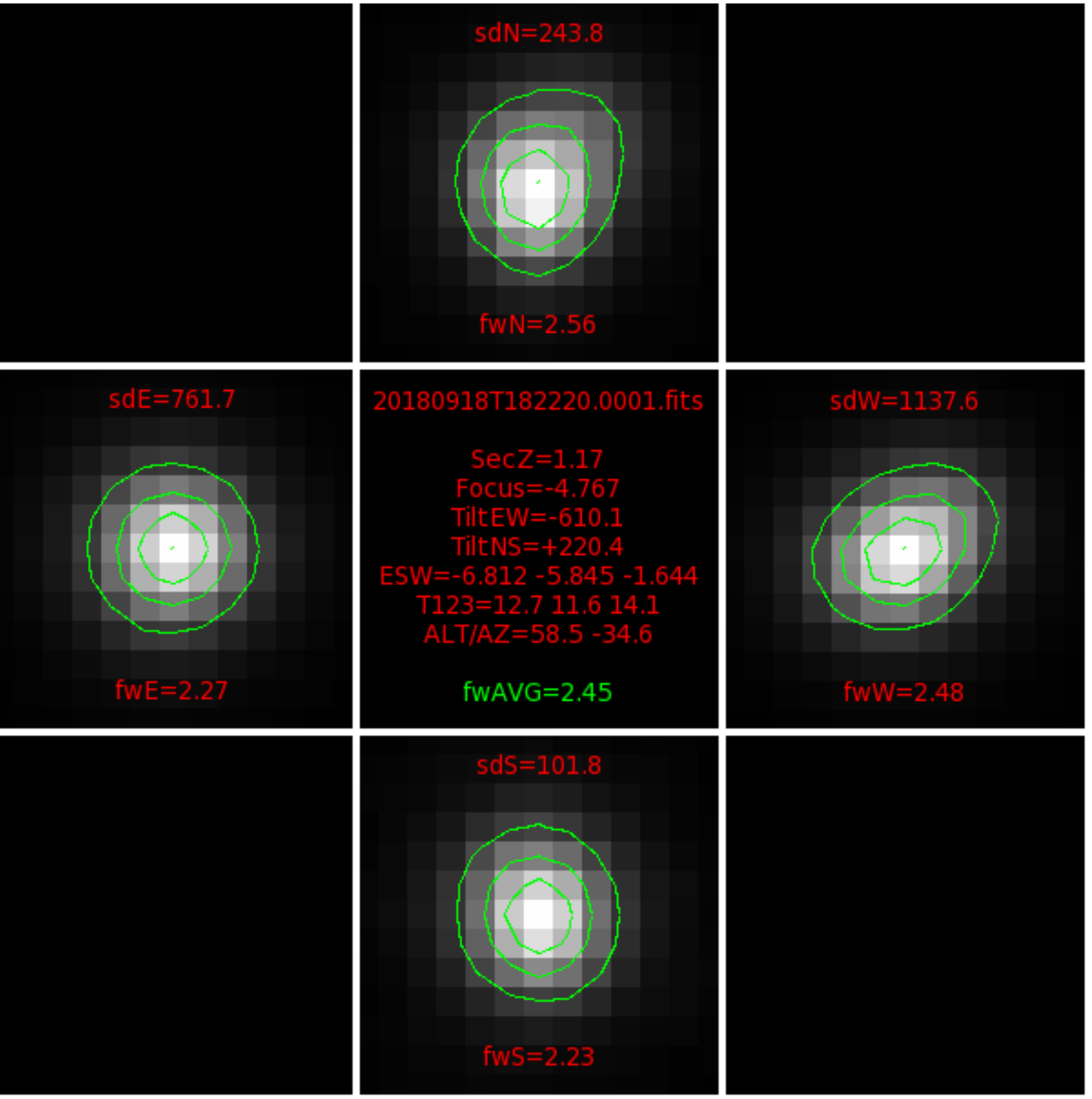
sdN=243.8
fwN=2.56
sdE=761.7
fwE=2.27
20180918T182220.0001.fits
SecZ=1.17
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=12.7 11.6 14.1
ALT/AZ=58.5 -34.6
fwAVG=2.45
sdW=1137.6
fwW=2.48
sdS=101.8
fwS=2.23
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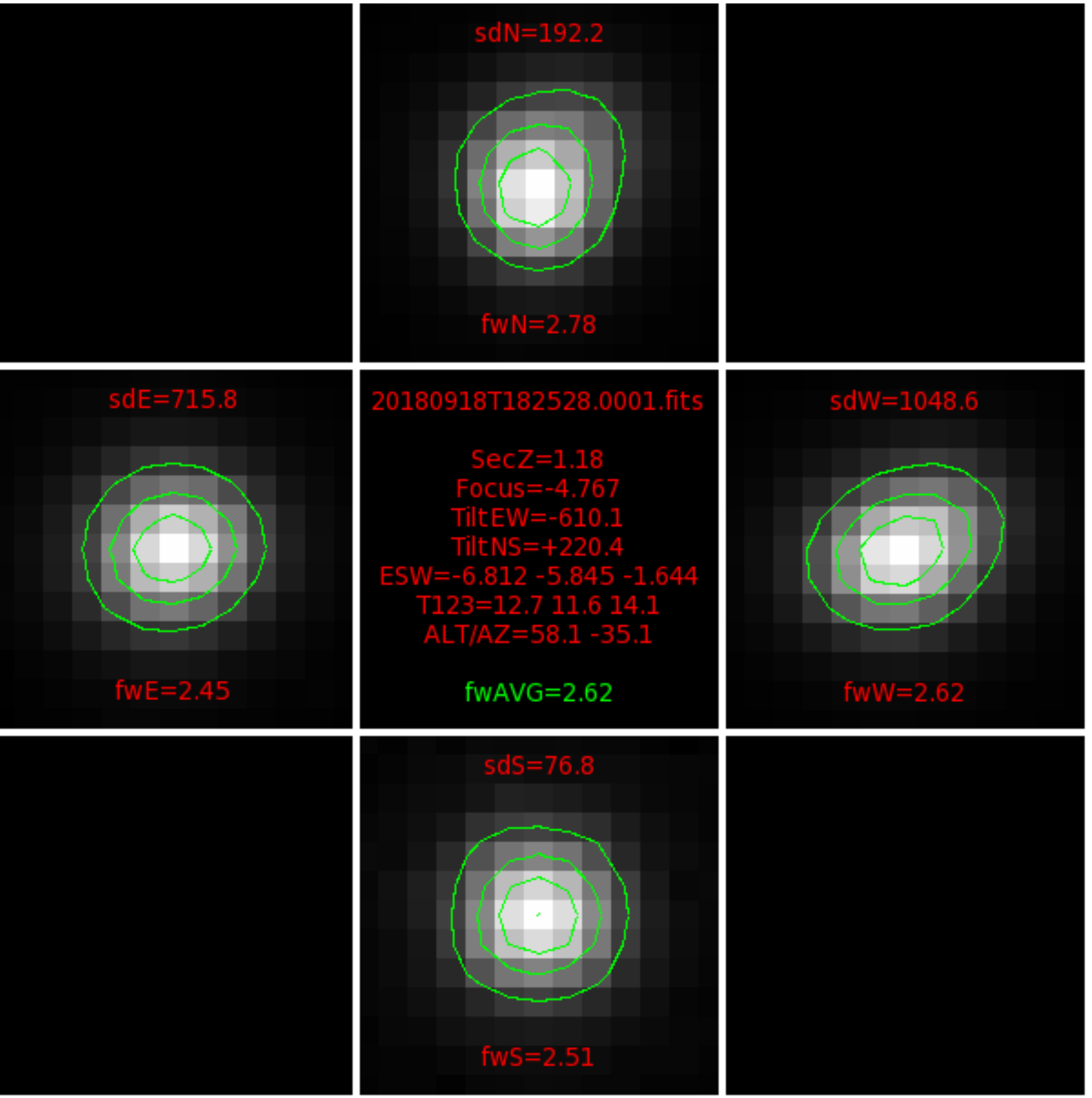
sdN=192.2
fwN=2.78
sdE=715.8
fwE=2.45
20180918T182528.0001.fits
SecZ=1.18
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=12.7 11.6 14.1
ALT/AZ=58.1 -35.1
fwAVG=2.62
sdW=1048.6
fwW=2.62
sdS=76.8
fwS=2.51
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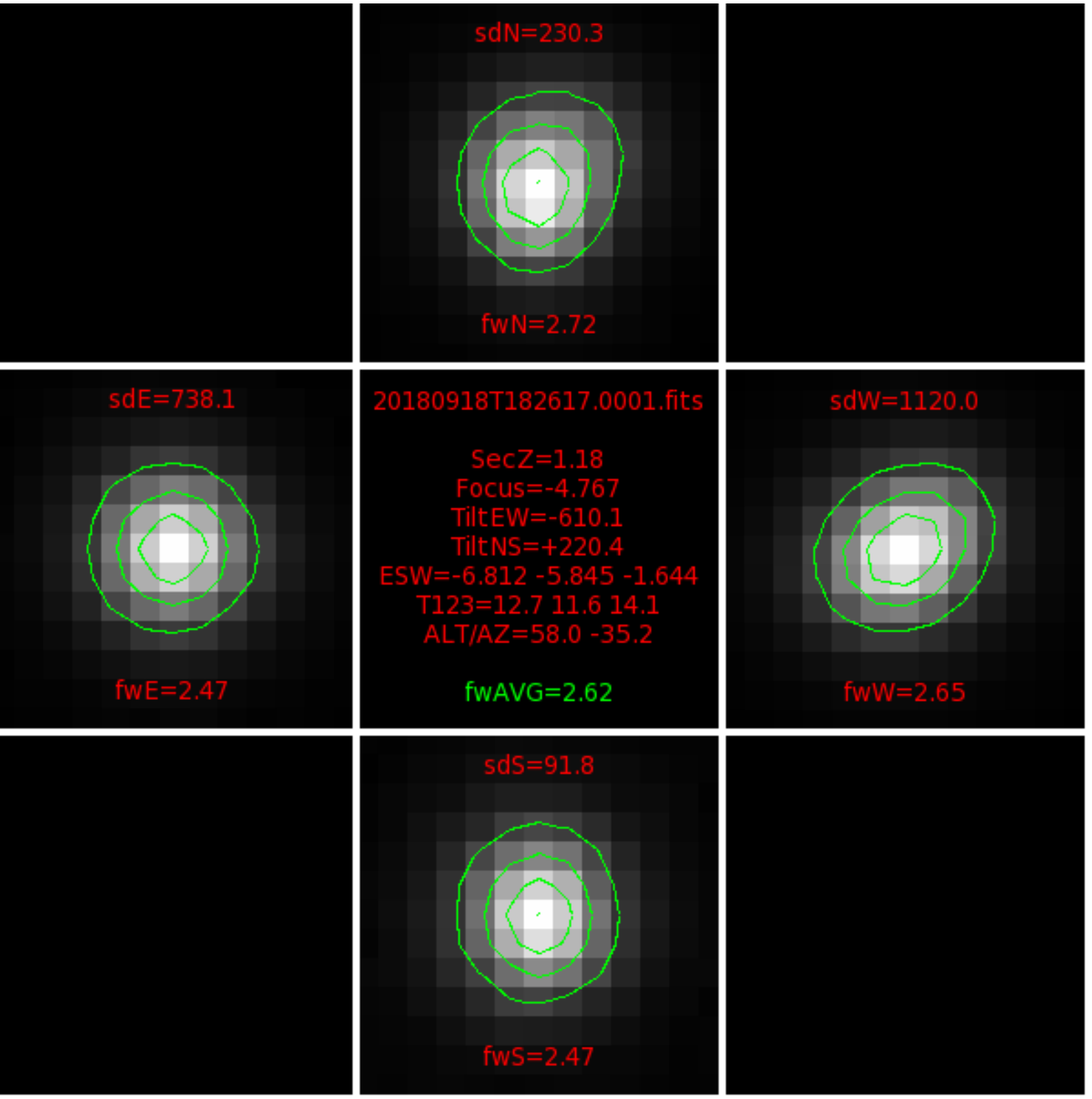
sdN=230.3
fwN=2.72
sdE=738.1
fwE=2.47
20180918T182617.0001.fits
SecZ=1.18
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=12.7 11.6 14.1
ALT/AZ=58.0 -35.2
fwAVG=2.62
sdW=1120.0
fwW=2.65
sdS=91.8
fwS=2.47
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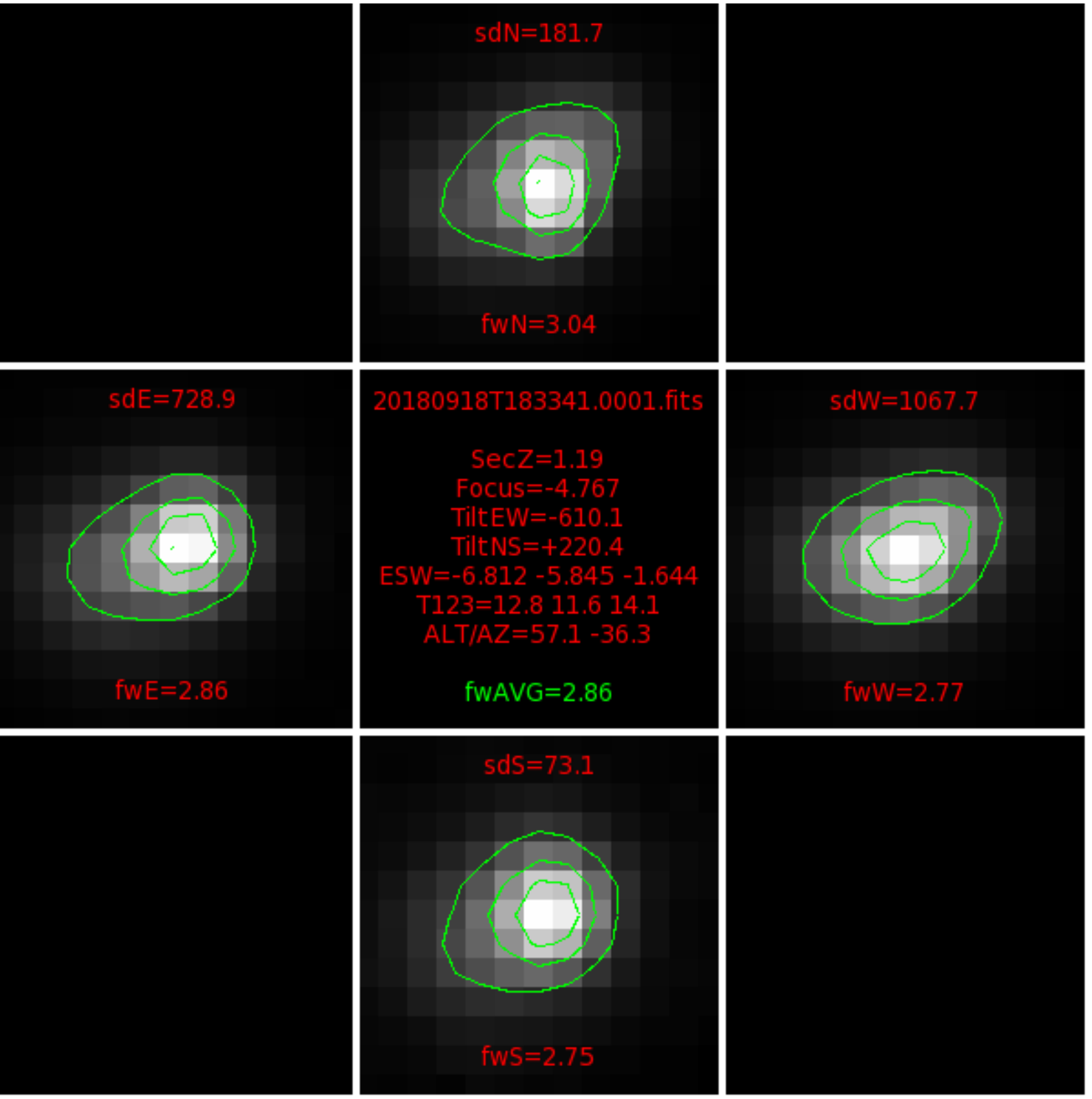
sdN=181.7
fwN=3.04
sdE=728.9
fwE=2.86
20180918T183341.0001.fits
SecZ=1.19
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=12.8 11.6 14.1
ALT/AZ=57.1 -36.3
fwAVG=2.86
sdW=1067.7
fwW=2.77
sdS=73.1
fwS=2.75
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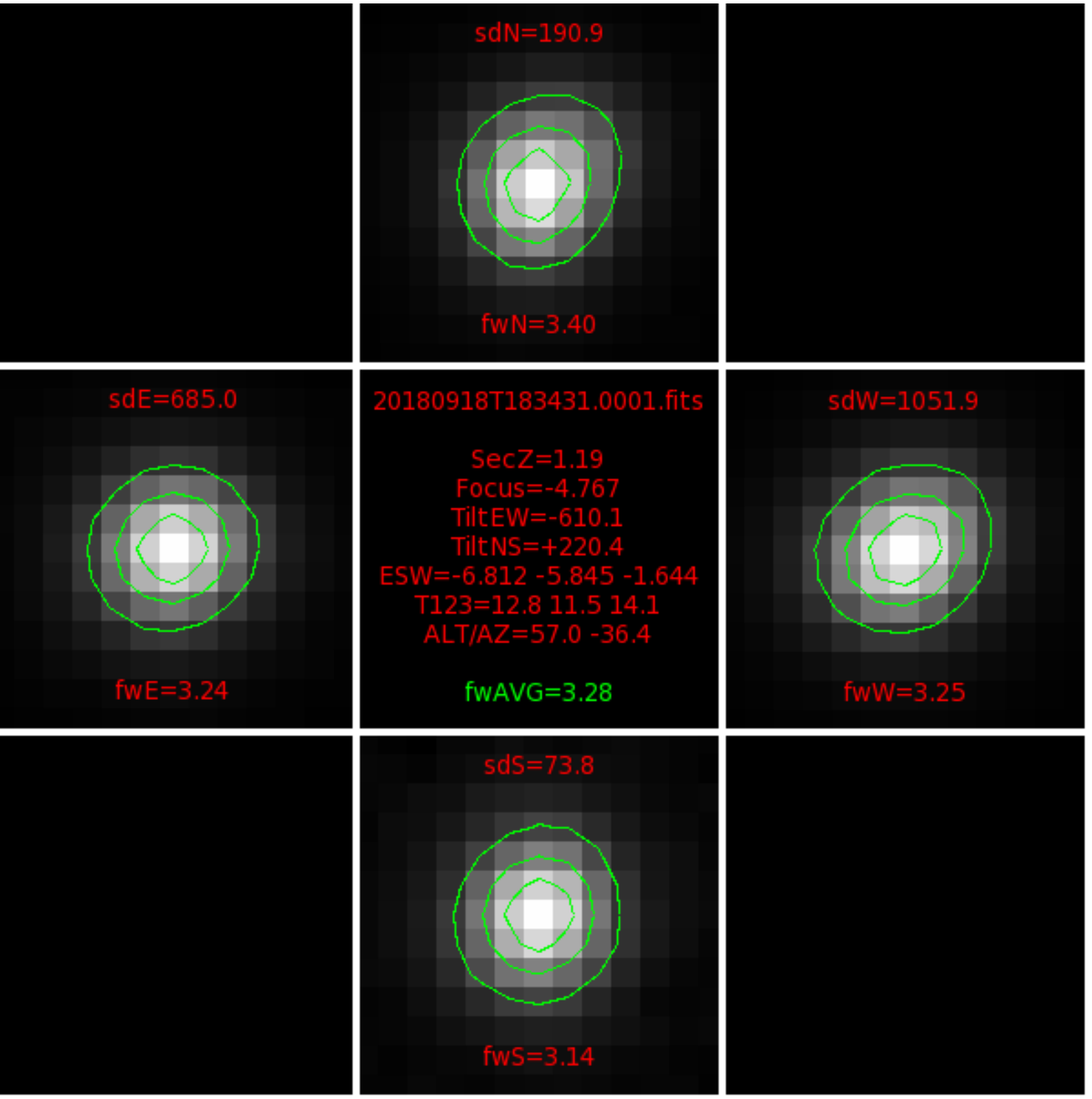
sdN=190.9
fwN=3.40
sdE=685.0
fwE=3.24
20180918T183431.0001.fits
SecZ=1.19
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=12.8 11.5 14.1
ALT/AZ=57.0 -36.4
fwAVG=3.28
sdW=1051.9
fwW=3.25
sdS=73.8
fwS=3.14
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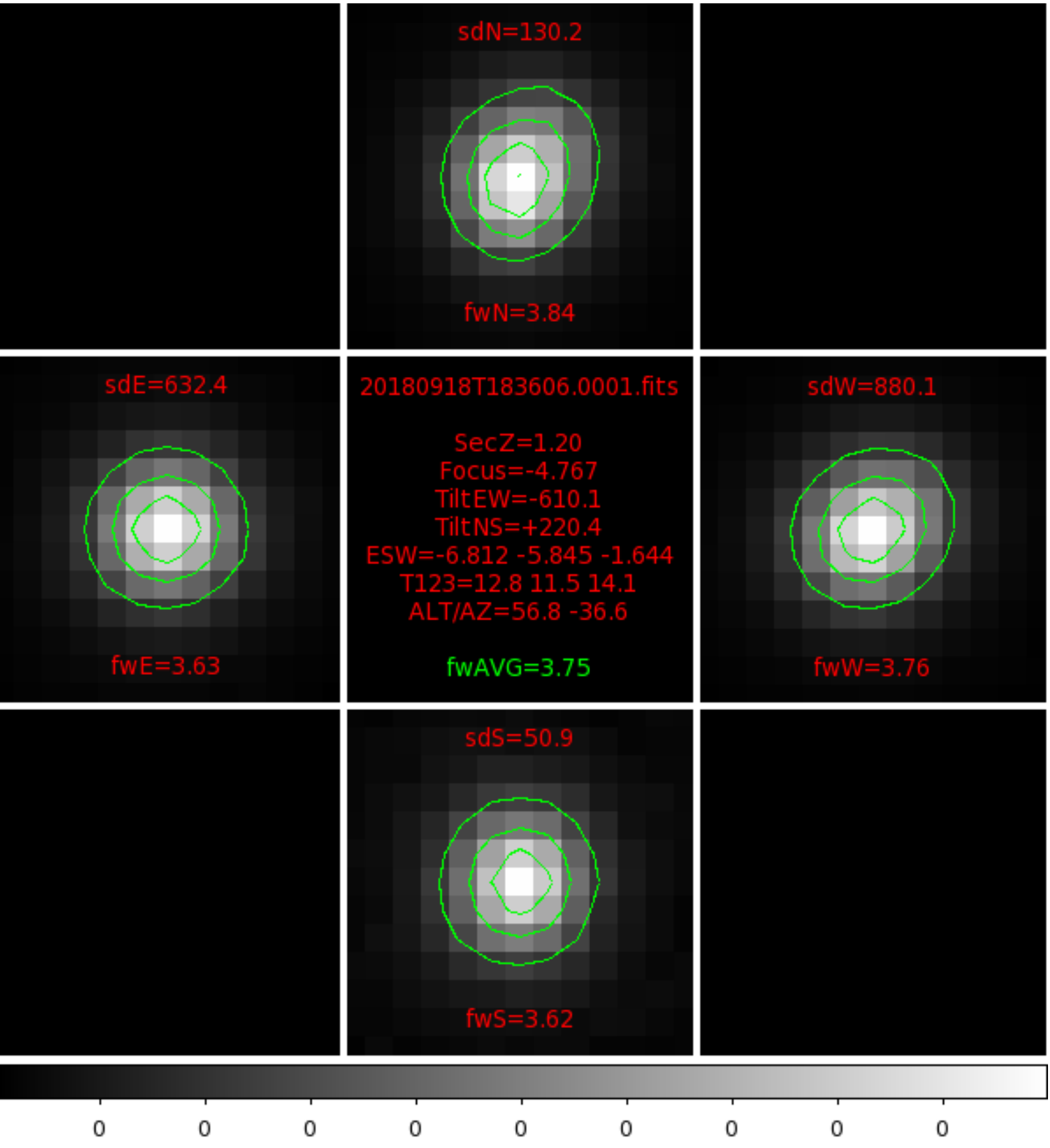
sdN=130.2
fwN=3.84
sdE=632.4
fwE=3.63
20180918T183606.0001.fits
SecZ=1.20
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=12.8 11.5 14.1
ALT/AZ=56.8 -36.6
fwAVG=3.75
sdW=880.1
fwW=3.76
sdS=50.9
fwS=3.62
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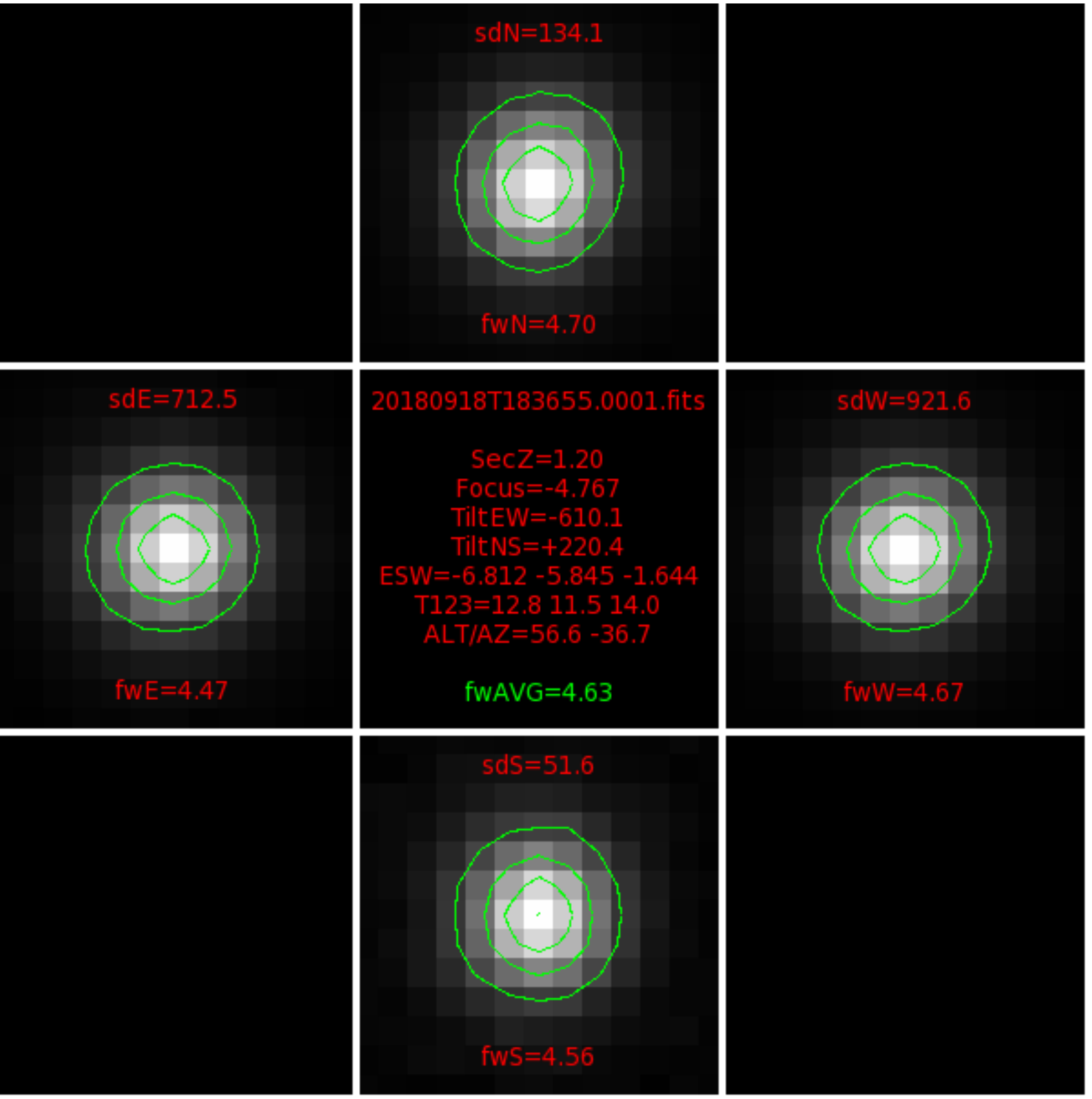
sdN=134.1
fwN=4.70
sdE=712.5
fwE=4.47
20180918T183655.0001.fits
SecZ=1.20
Focus=-4.767
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.812 -5.845 -1.644
T123=12.8 11.5 14.0
ALT/AZ=56.6 -36.7
fwAVG=4.63
sdW=921.6
fwW=4.67
sdS=51.6
fwS=4.56
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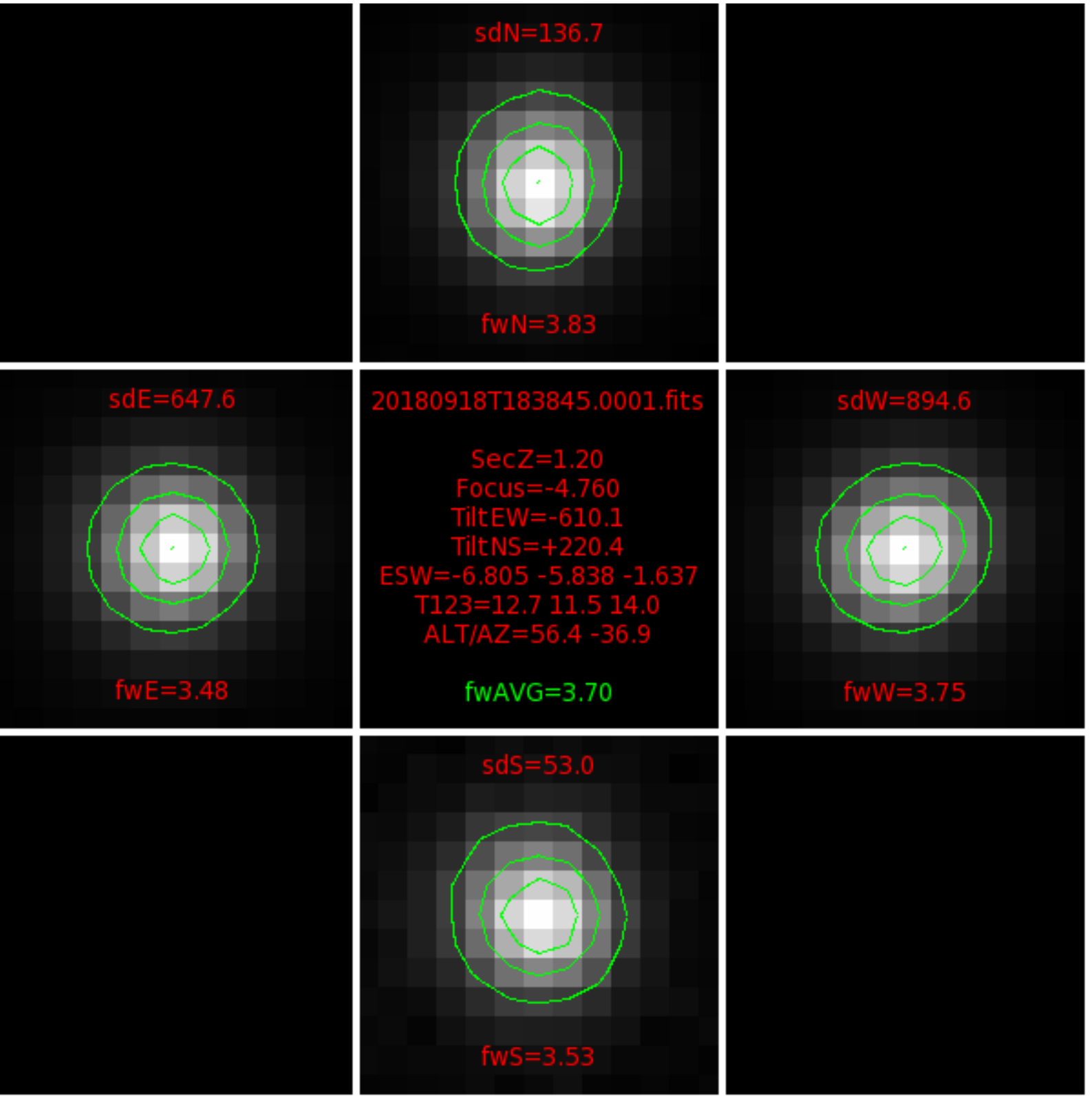
sdN=136.7
fwN=3.83
sdE=647.6
fwE=3.48
20180918T183845.0001.fits
SecZ=1.20
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=12.7 11.5 14.0
ALT/AZ=56.4 -36.9
fwAVG=3.70
sdW=894.6
fwW=3.75
sdS=53.0
fwS=3.53
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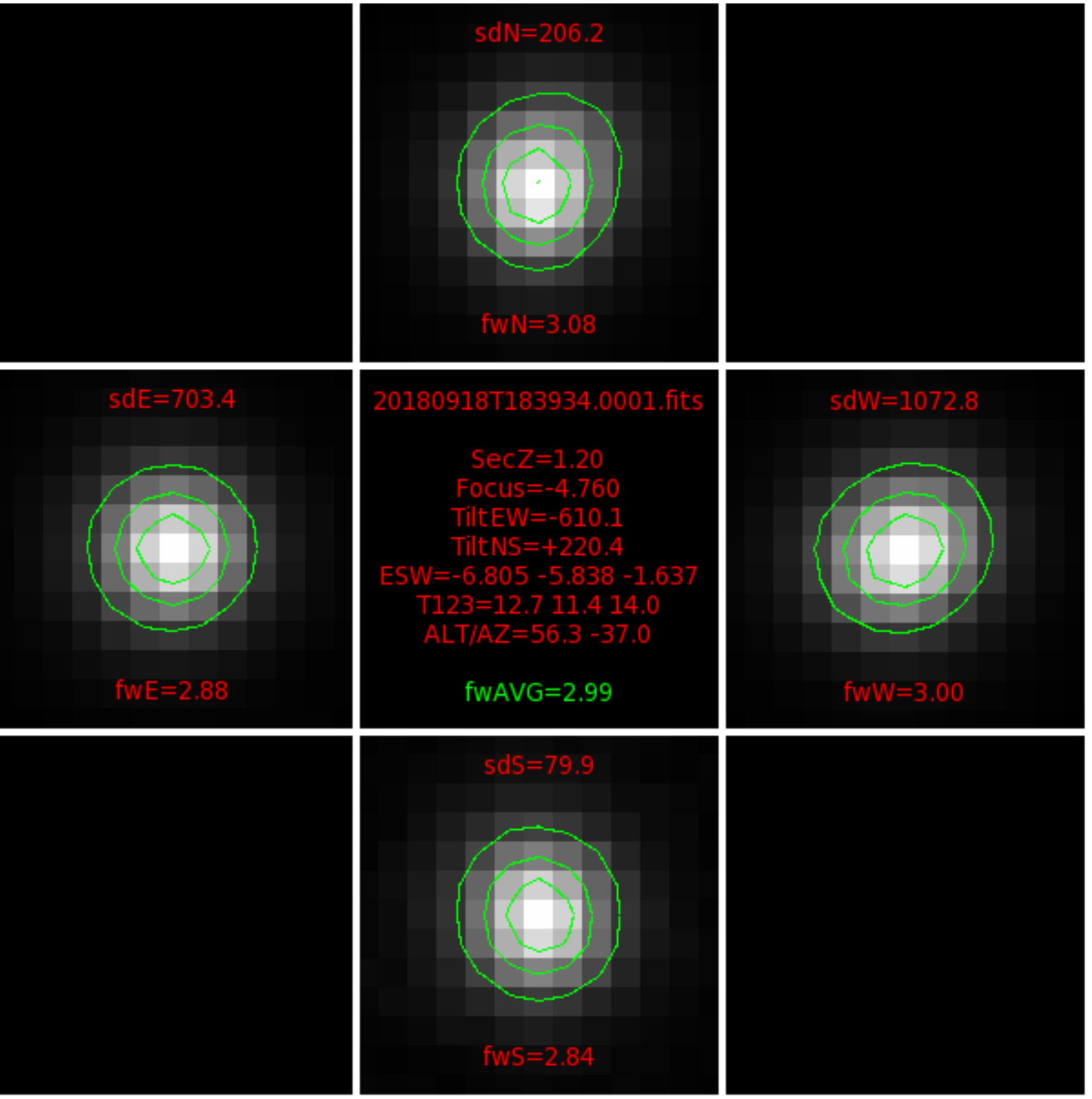
sdN=206.2
fwN=3.08
sdE=703.4
fwE=2.88
20180918T183934.0001.fits
SecZ=1.20
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=12.7 11.4 14.0
ALT/AZ=56.3 -37.0
fwAVG=2.99
sdW=1072.8
fwW=3.00
sdS=79.9
fwS=2.84
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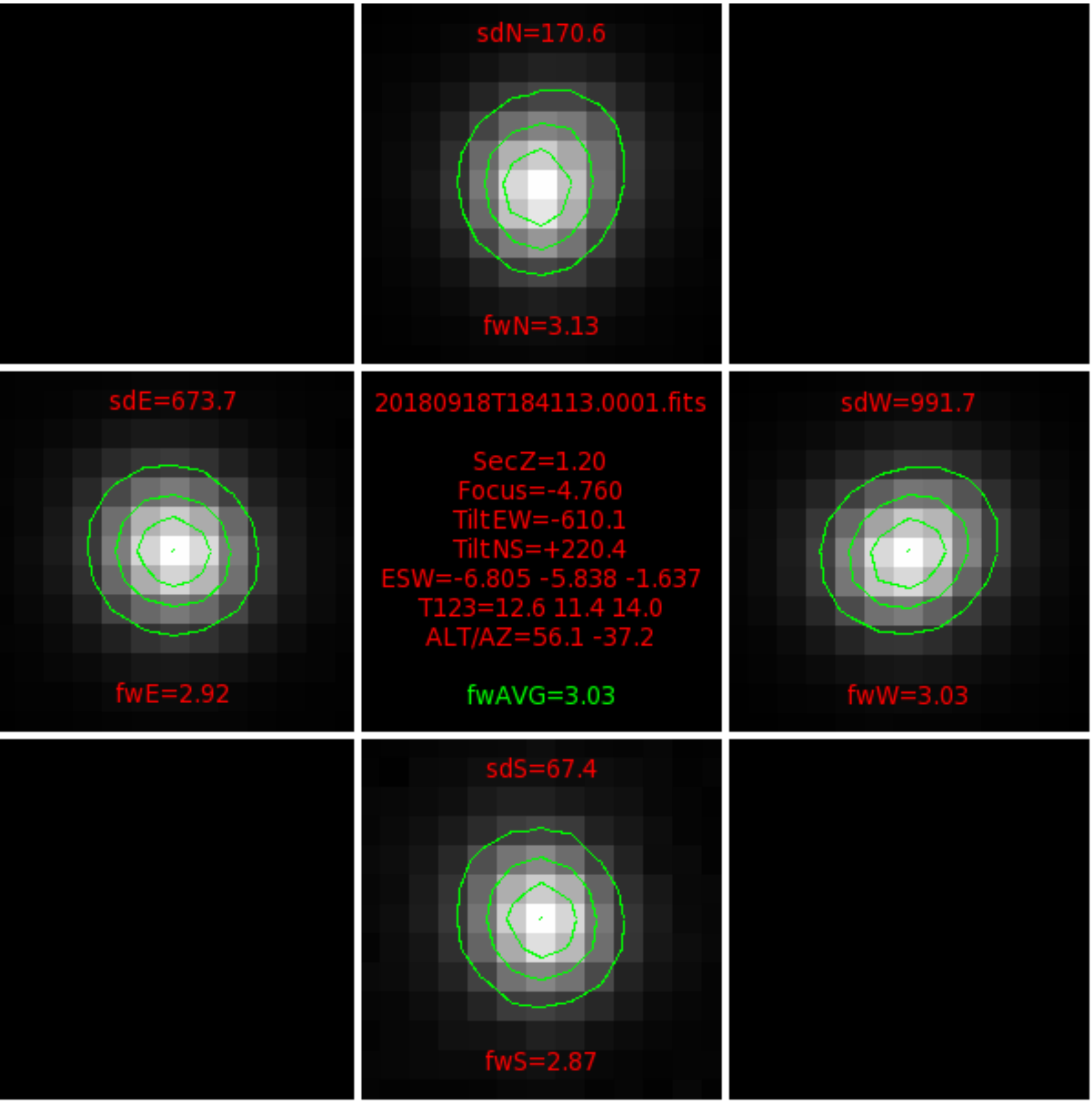
sdN=170.6
fwN=3.13
sdE=673.7
fwE=2.92
20180918T184113.0001.fits
SecZ=1.20
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=12.6 11.4 14.0
ALT/AZ=56.1 -37.2
fwAVG=3.03
sdW=991.7
fwW=3.03
sdS=67.4
fwS=2.87
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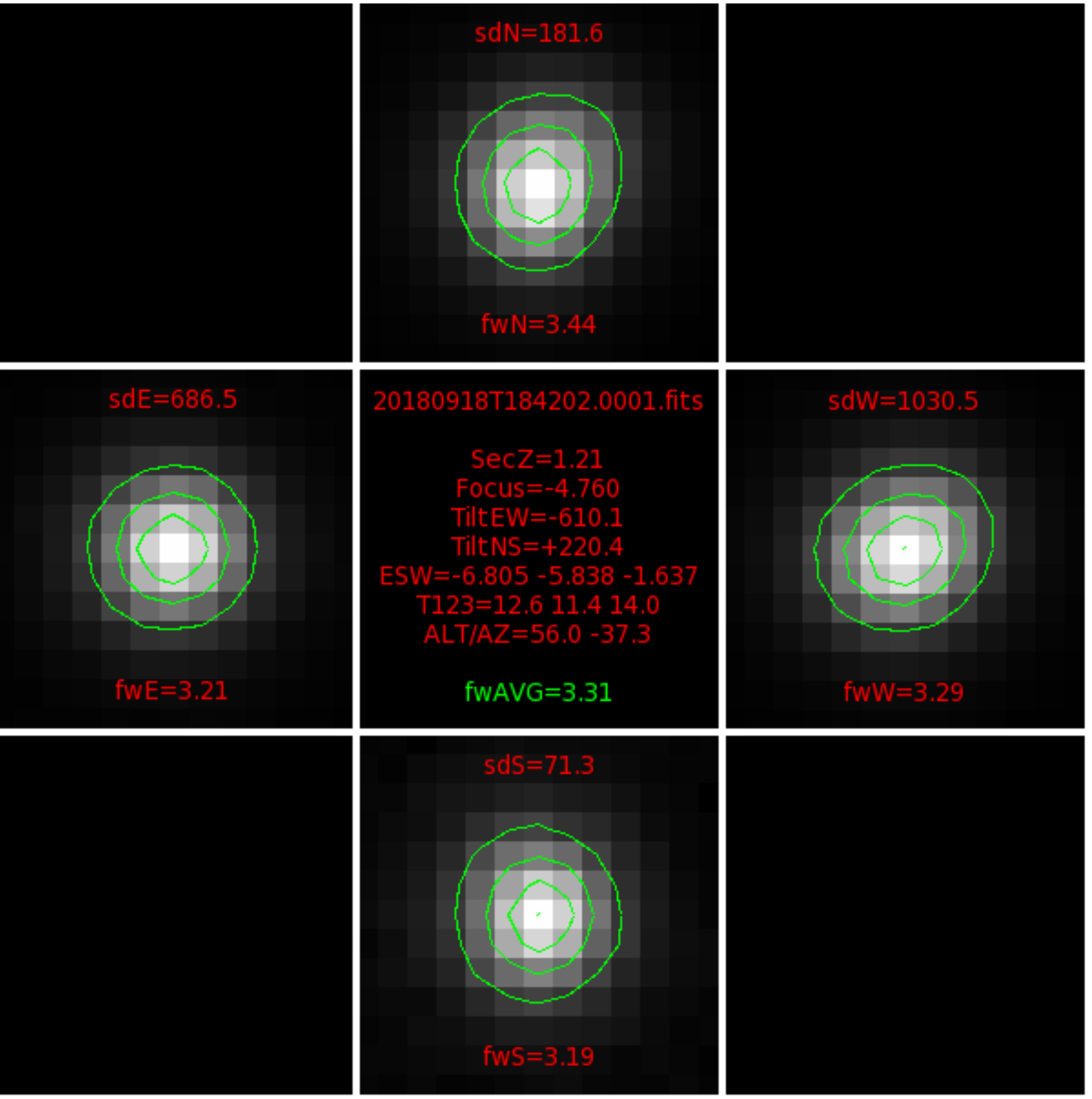
sdN=181.6
fwN=3.44
sdE=686.5
fwE=3.21
20180918T184202.0001.fits
SecZ=1.21
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=12.6 11.4 14.0
ALT/AZ=56.0 -37.3
fwAVG=3.31
sdW=1030.5
fwW=3.29
sdS=71.3
fwS=3.19
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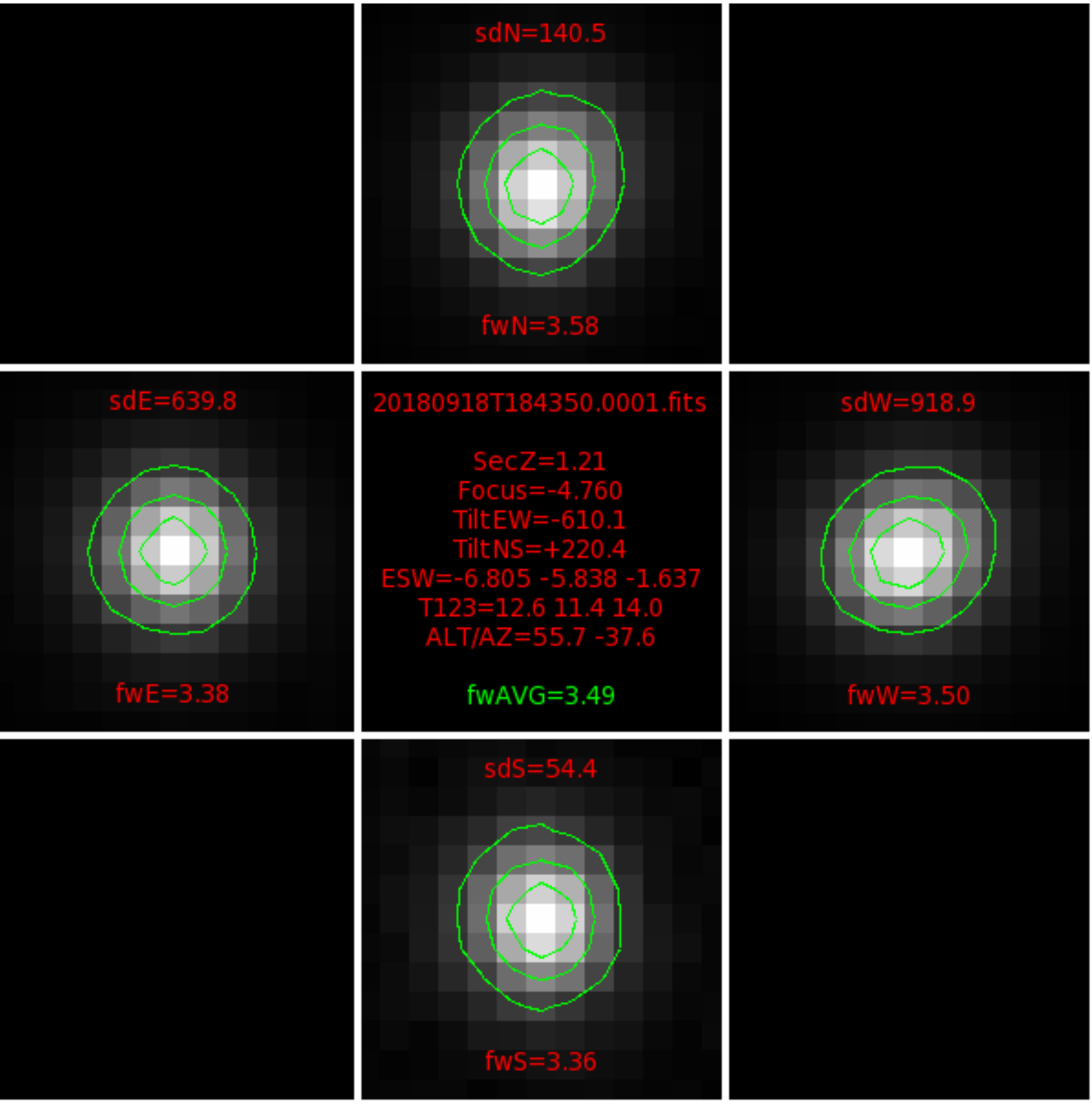
sdN=140.5
fwN=3.58
sdE=639.8
fwE=3.38
20180918T184350.0001.fits
SecZ=1.21
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=12.6 11.4 14.0
ALT/AZ=55.7 -37.6
fwAVG=3.49
sdW=918.9
fwW=3.50
sdS=54.4
fwS=3.36
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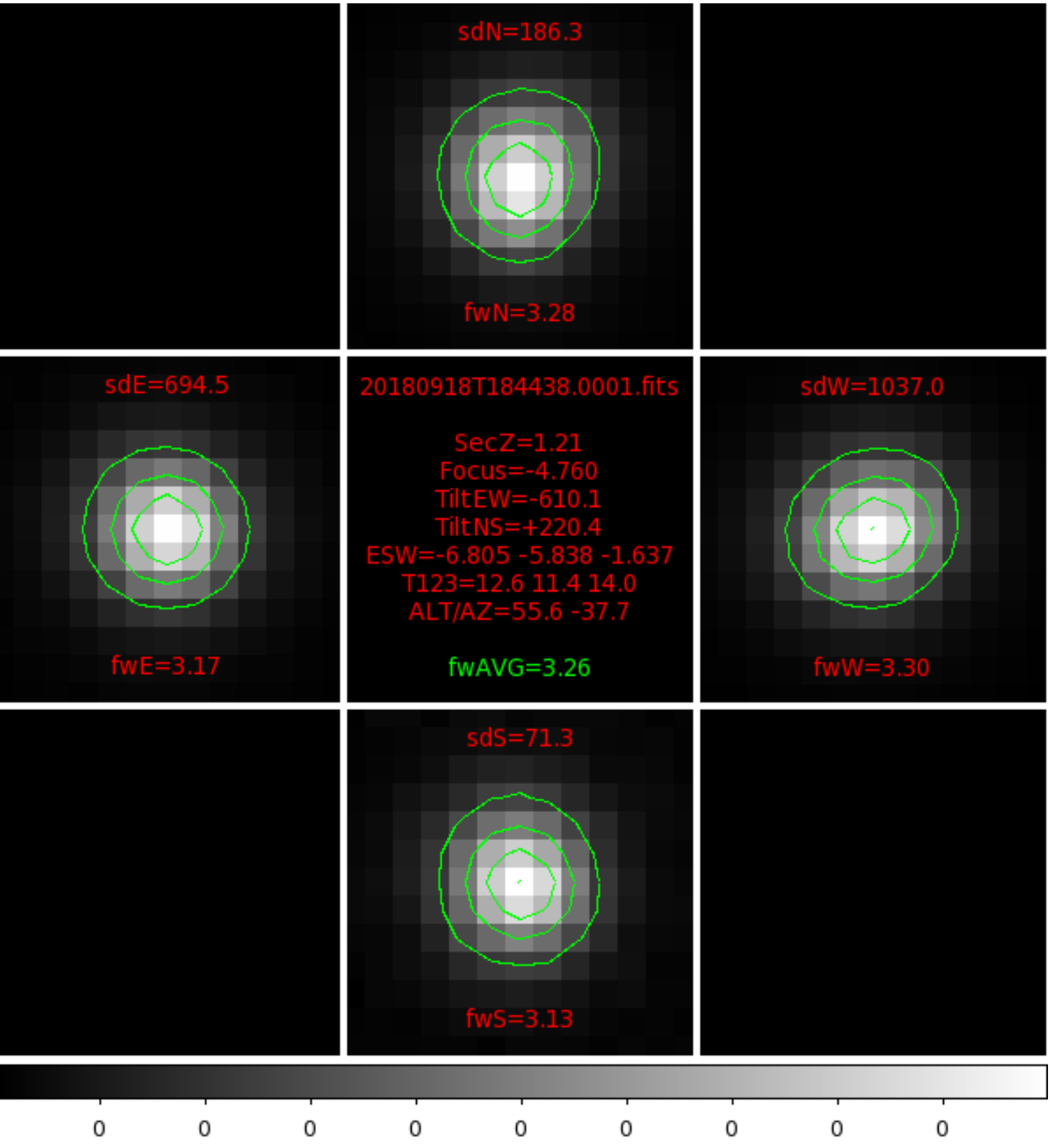
sdN=186.3
fwN=3.28
sdE=694.5
fwE=3.17
20180918T184438.0001.fits
SecZ=1.21
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=12.6 11.4 14.0
ALT/AZ=55.6 -37.7
fwAVG=3.26
sdW=1037.0
fwW=3.30
sdS=71.3
fwS=3.13
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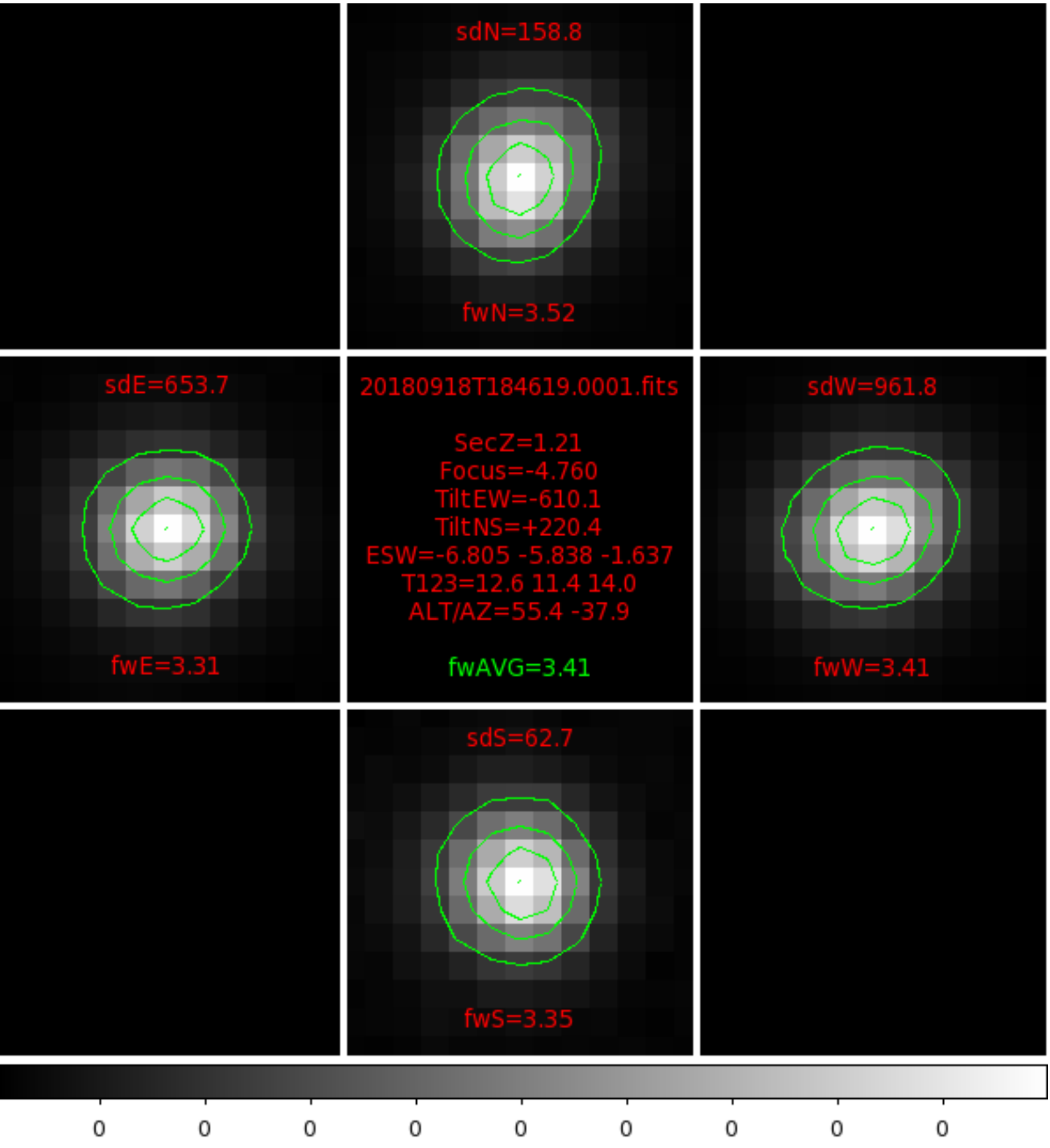
sdN=158.8
fwN=3.52
sdE=653.7
fwE=3.31
20180918T184619.0001.fits
SecZ=1.21
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=12.6 11.4 14.0
ALT/AZ=55.4 -37.9
fwAVG=3.41
sdW=961.8
fwW=3.41
sdS=62.7
fwS=3.35
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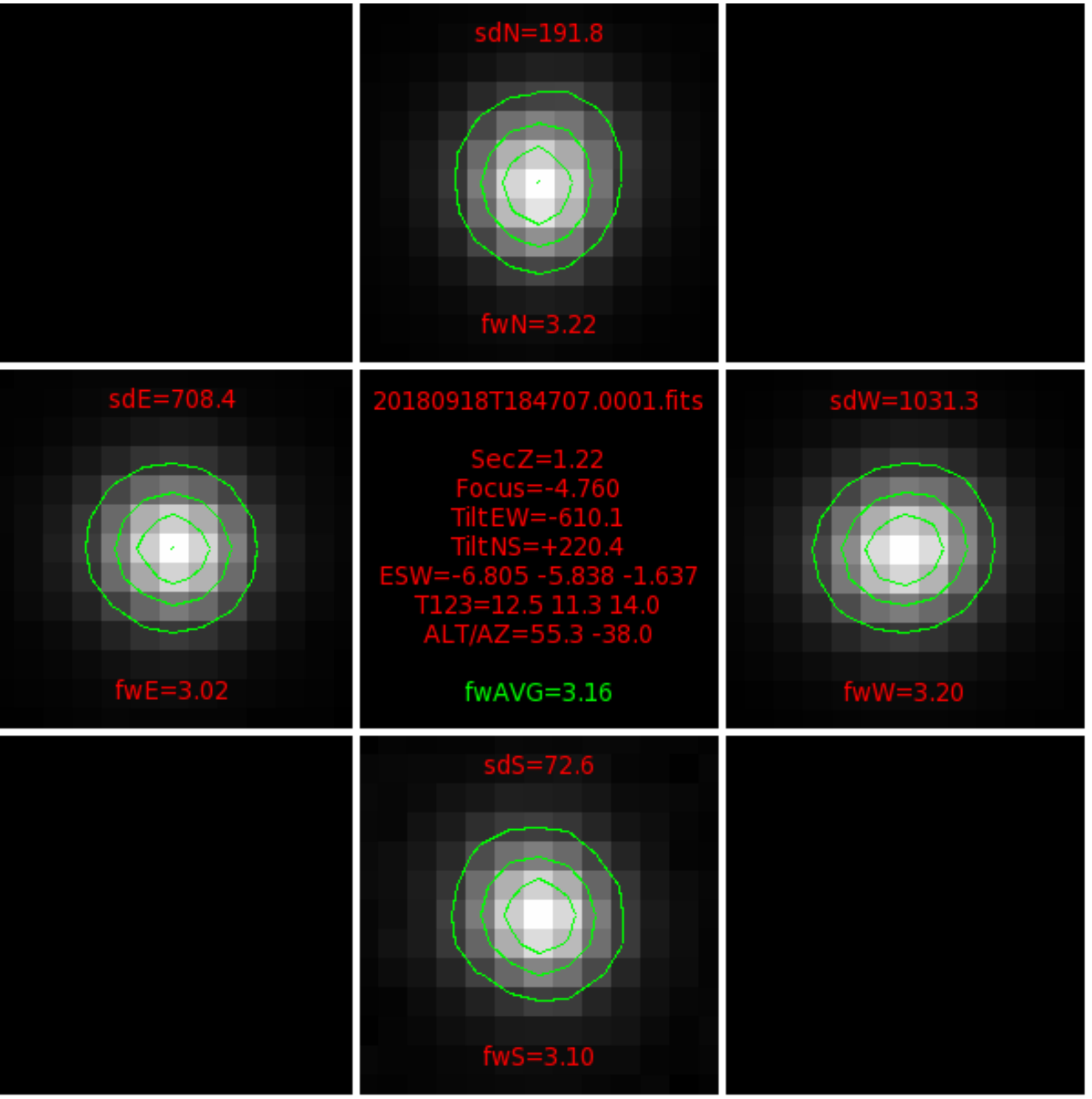
sdN=191.8
fwN=3.22
sdE=708.4
fwE=3.02
20180918T184707.0001.fits
SecZ=1.22
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=12.5 11.3 14.0
ALT/AZ=55.3 -38.0
fwAVG=3.16
sdW=1031.3
fwW=3.20
sdS=72.6
fwS=3.10
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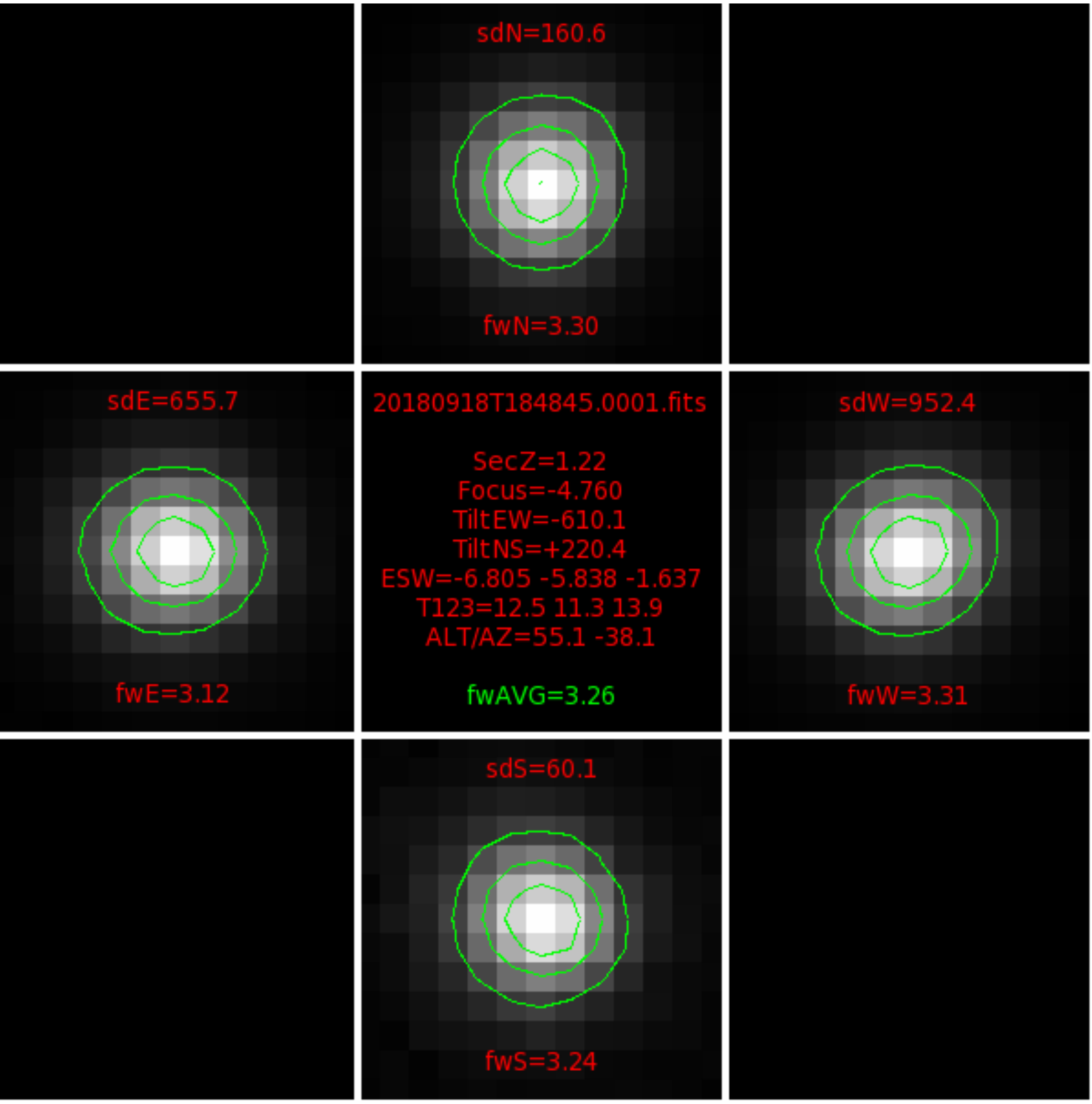
sdN=160.6
fwN=3.30
sdE=655.7
fwE=3.12
20180918T184845.0001.fits
SecZ=1.22
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=12.5 11.3 13.9
ALT/AZ=55.1 -38.1
fwAVG=3.26
sdW=952.4
fwW=3.31
sdS=60.1
fwS=3.24
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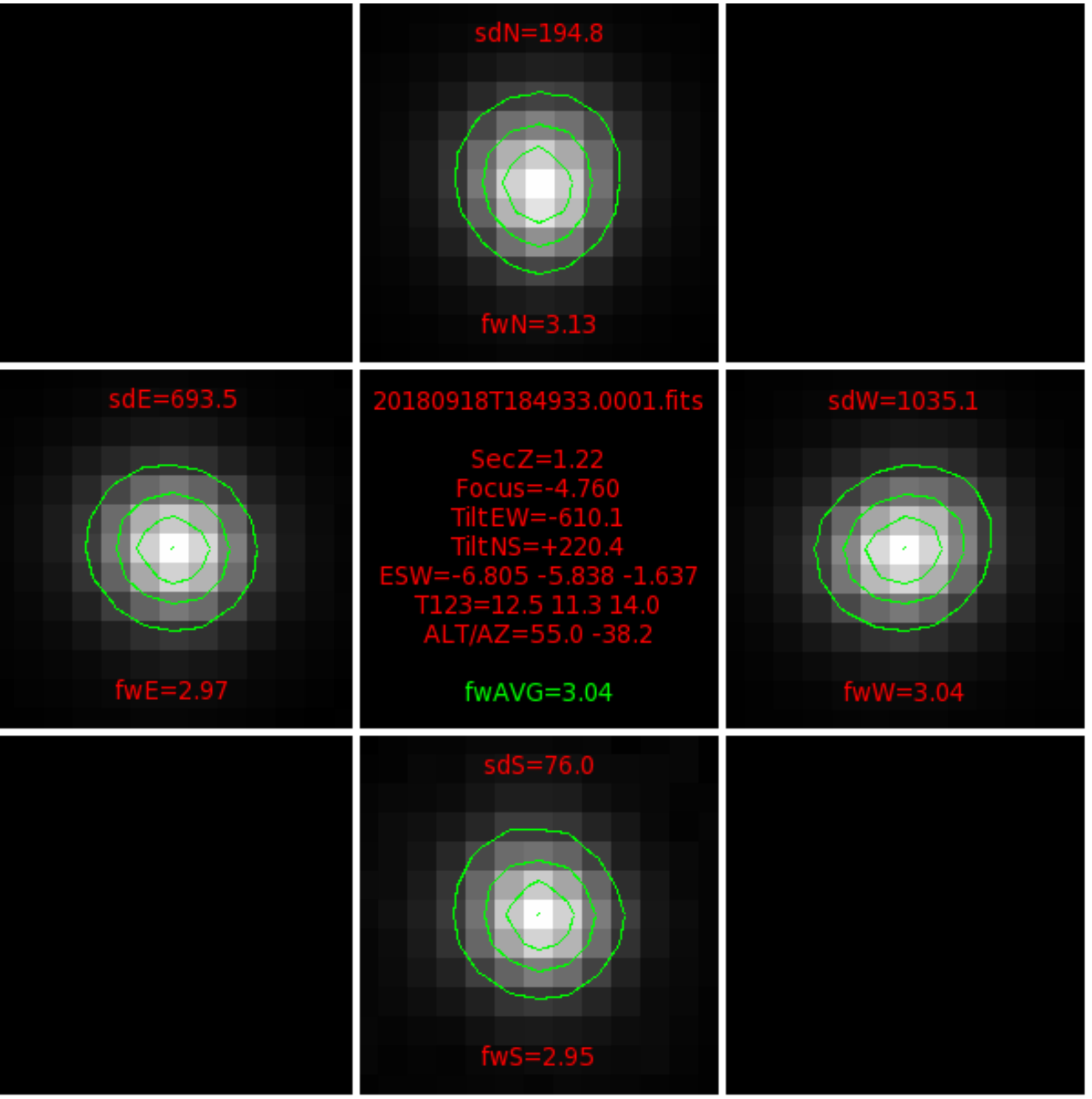
sdN=194.8
fwN=3.13
sdE=693.5
fwE=2.97
20180918T184933.0001.fits
SecZ=1.22
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=12.5 11.3 14.0
ALT/AZ=55.0 -38.2
fwAVG=3.04
sdW=1035.1
fwW=3.04
sdS=76.0
fwS=2.95
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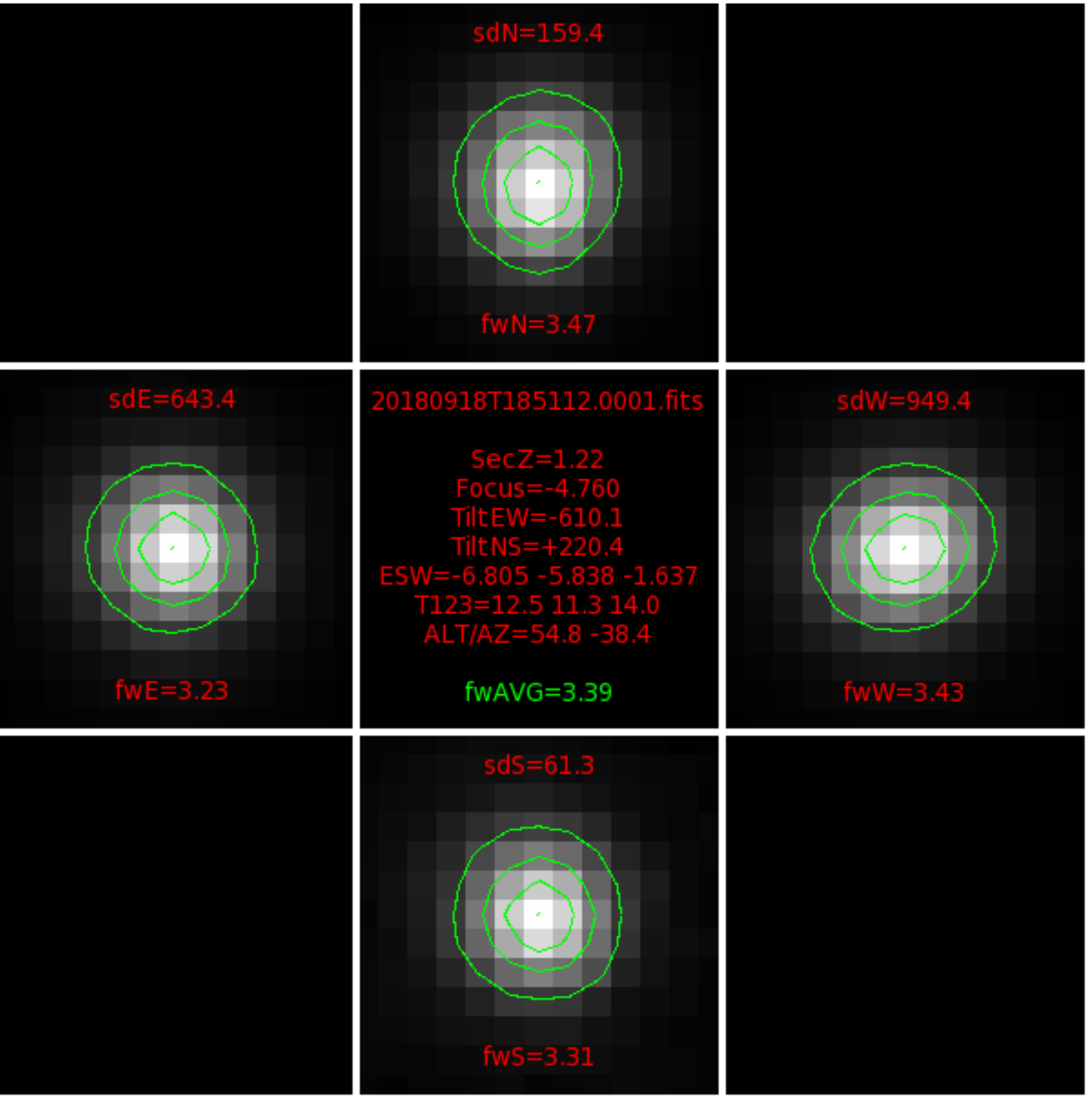
sdN=159.4
fwN=3.47
sdE=643.4
fwE=3.23
20180918T185112.0001.fits
SecZ=1.22
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=12.5 11.3 14.0
ALT/AZ=54.8 -38.4
fwAVG=3.39
sdW=949.4
fwW=3.43
sdS=61.3
fwS=3.31
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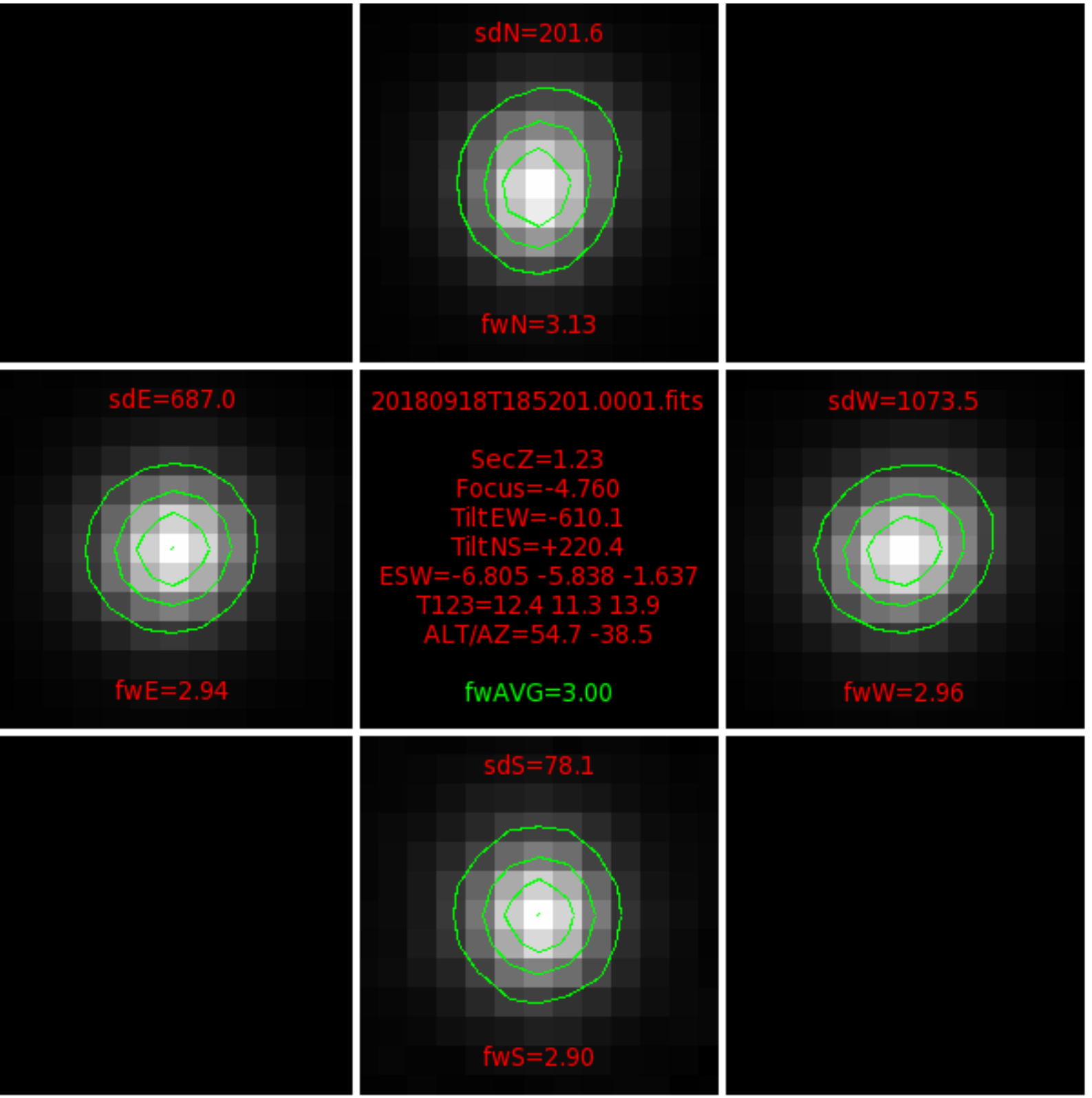
sdN=201.6
fwN=3.13
sdE=687.0
fwE=2.94
20180918T185201.0001.fits
SecZ=1.23
Focus=-4.760
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.805 -5.838 -1.637
T123=12.4 11.3 13.9
ALT/AZ=54.7 -38.5
fwAVG=3.00
sdW=1073.5
fwW=2.96
sdS=78.1
fwS=2.90
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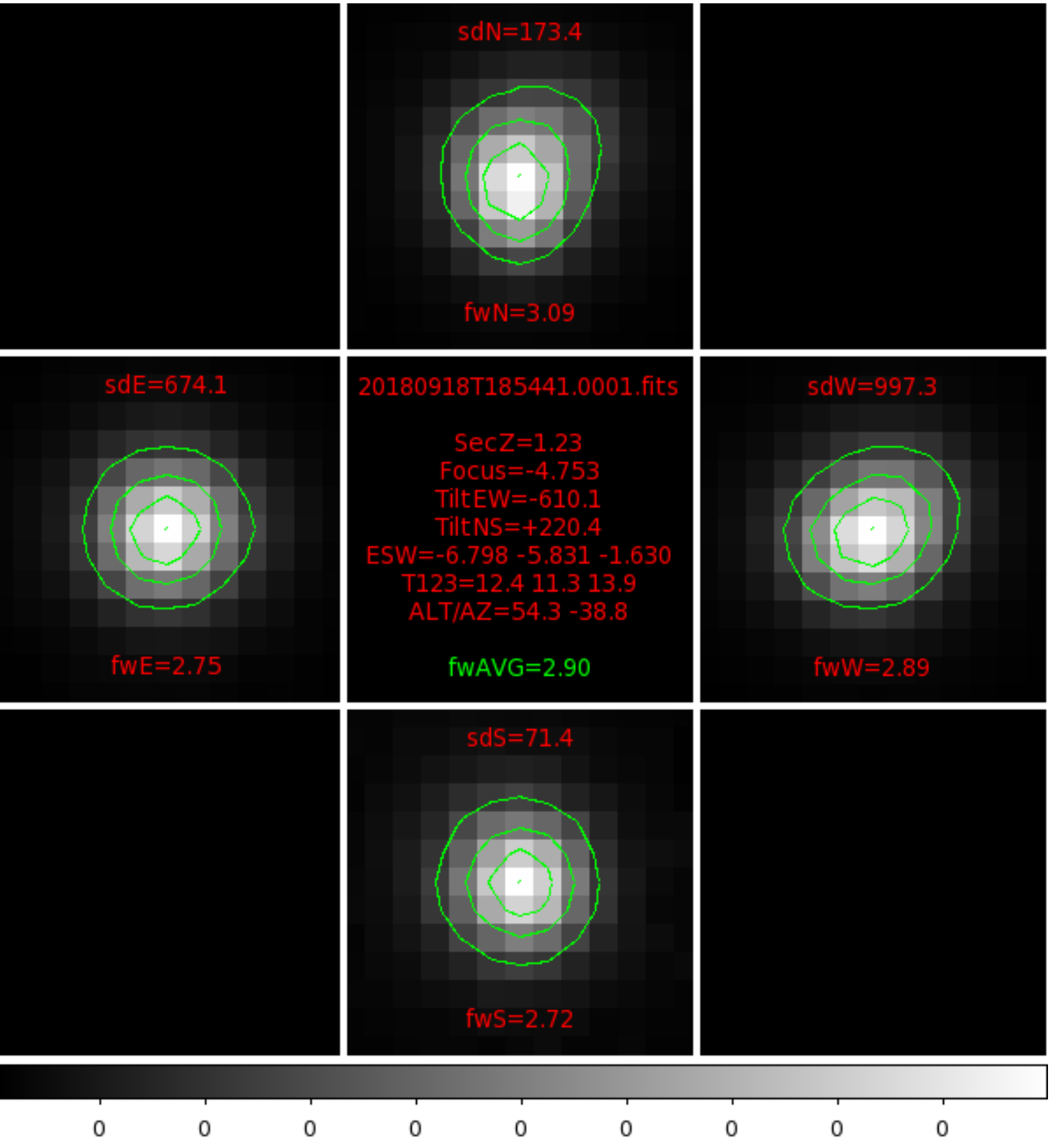
sdN=173.4
fwN=3.09
sdE=674.1
fwE=2.75
20180918T185441.0001.fits
SecZ=1.23
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=12.4 11.3 13.9
ALT/AZ=54.3 -38.8
fwAVG=2.90
sdW=997.3
fwW=2.89
sdS=71.4
fwS=2.72
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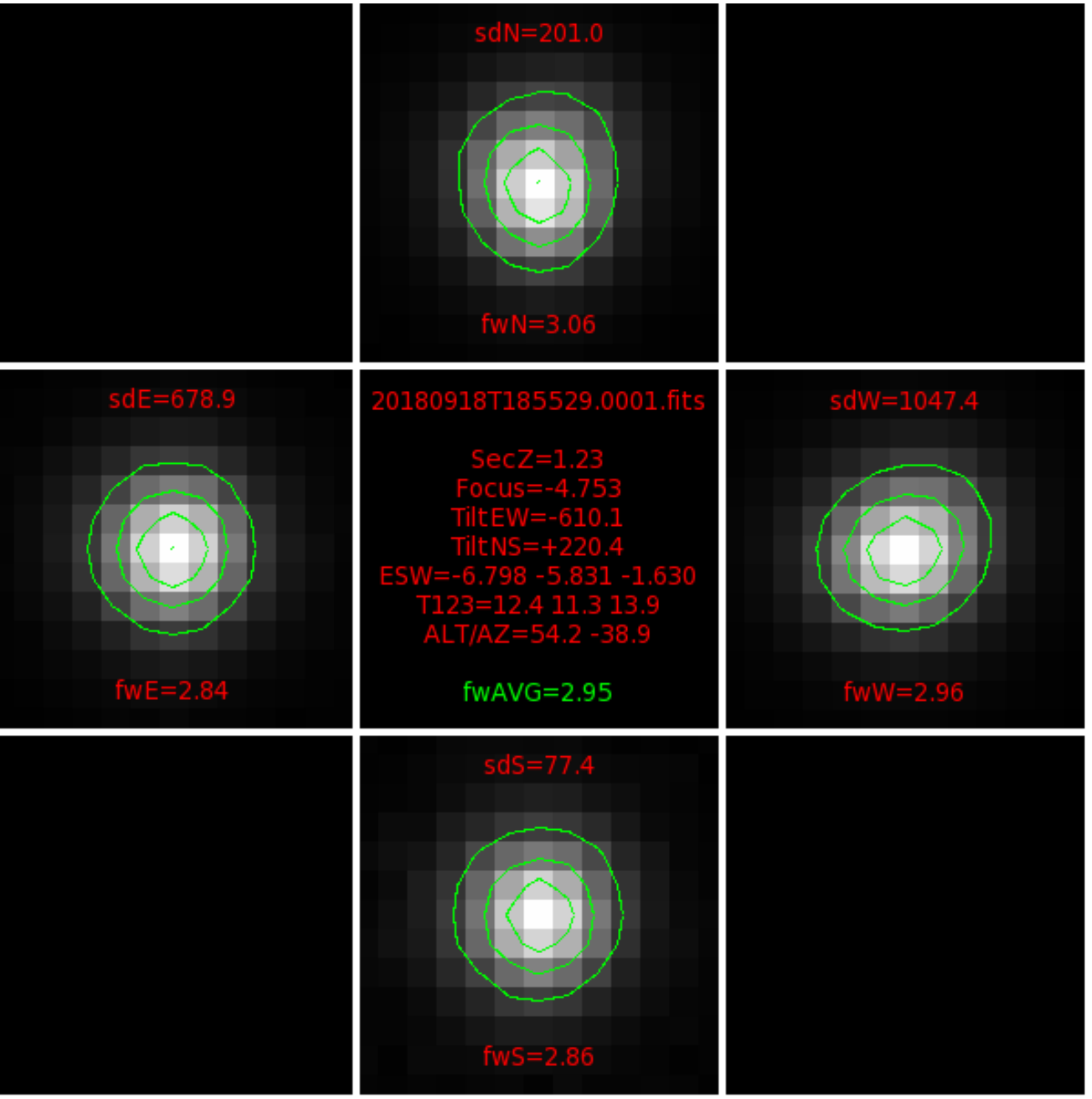
sdN=201.0
fwN=3.06
sdE=678.9
fwE=2.84
20180918T185529.0001.fits
SecZ=1.23
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=12.4 11.3 13.9
ALT/AZ=54.2 -38.9
fwAVG=2.95
sdW=1047.4
fwW=2.96
sdS=77.4
fwS=2.86
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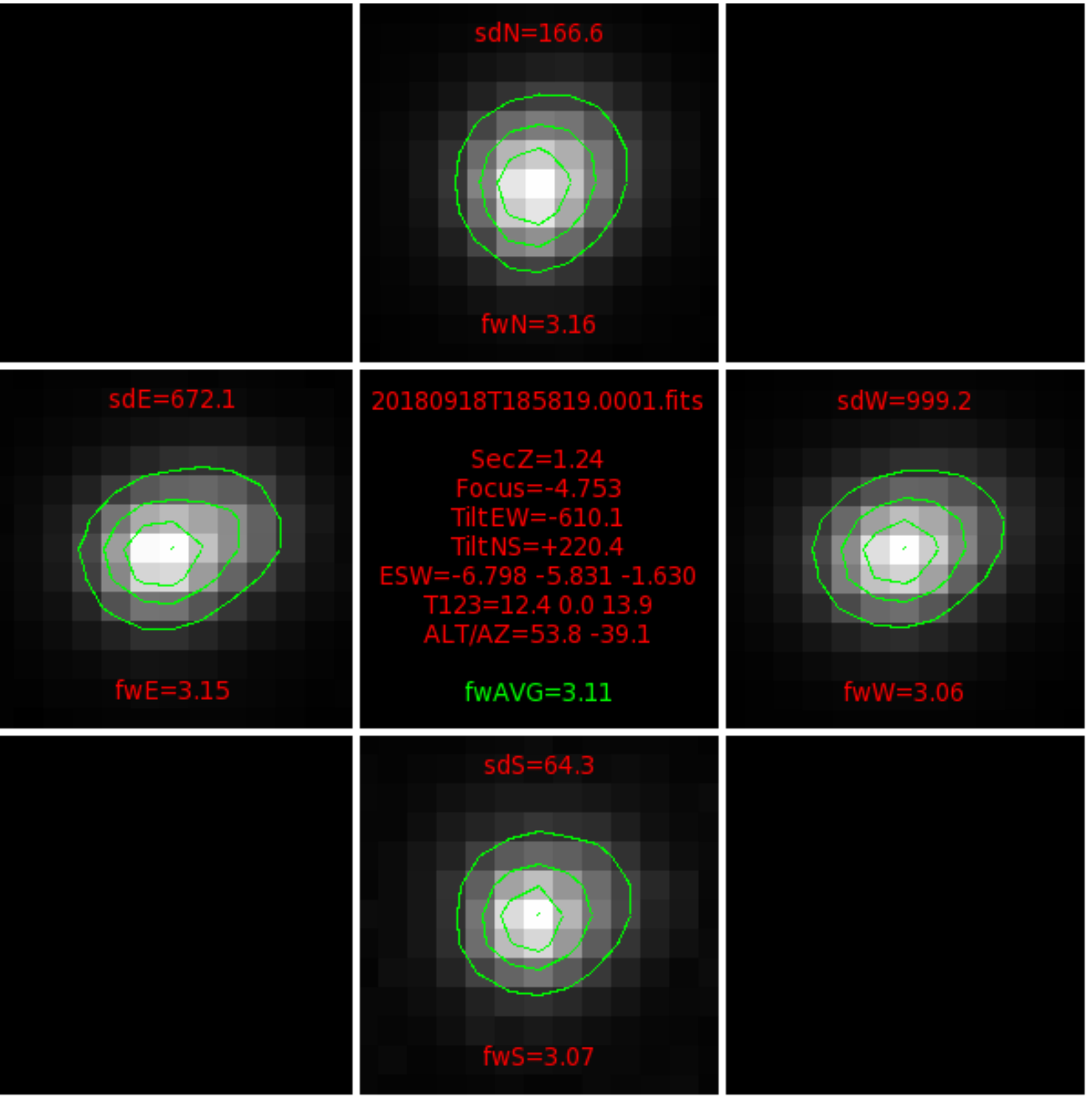
sdN=166.6
fwN=3.16
sdE=672.1
fwE=3.15
20180918T185819.0001.fits
SecZ=1.24
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=12.4 0.0 13.9
ALT/AZ=53.8 -39.1
fwAVG=3.11
sdW=999.2
fwW=3.06
sdS=64.3
fwS=3.07
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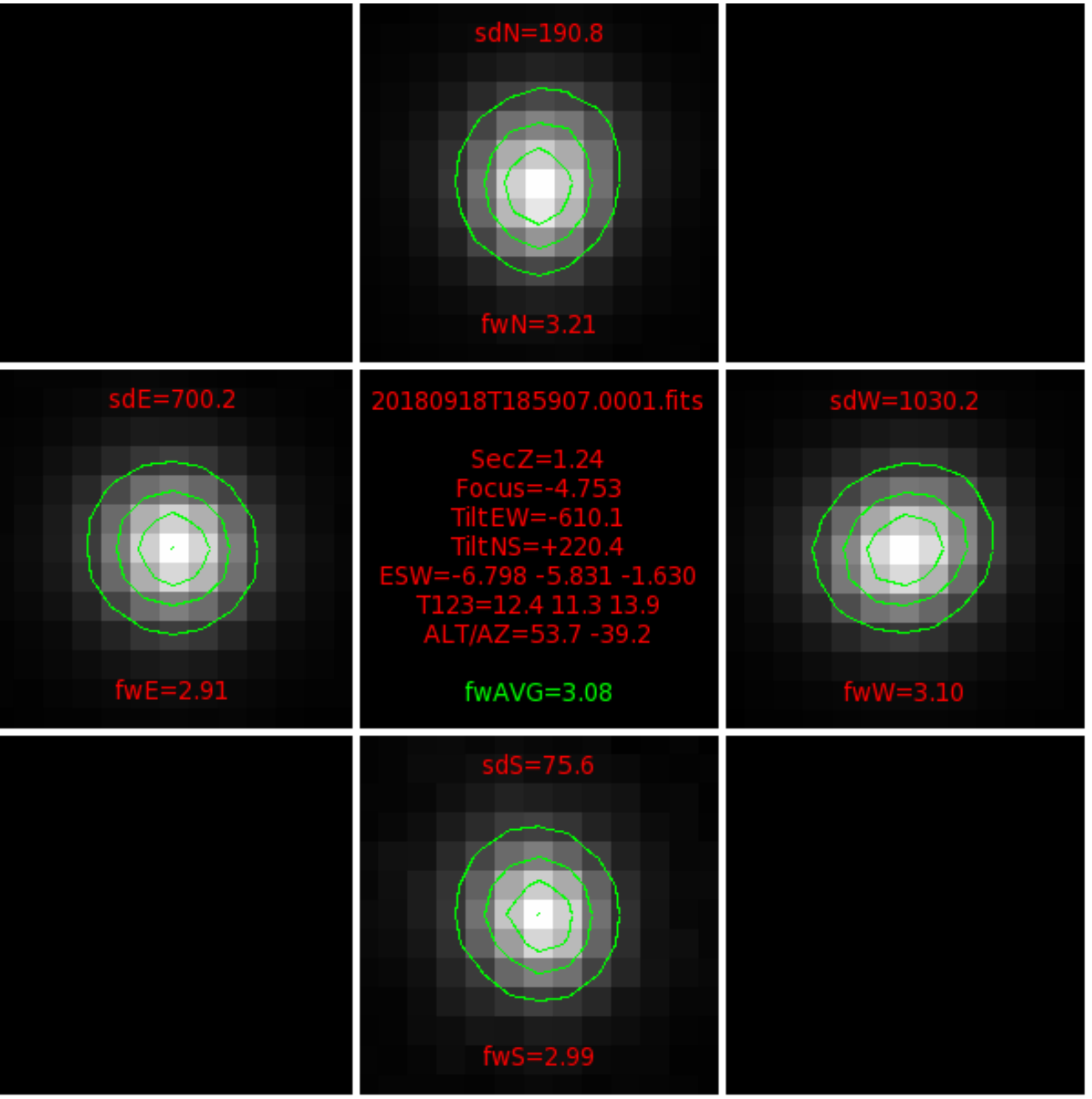
sdN=190.8
fwN=3.21
sdE=700.2
fwE=2.91
20180918T185907.0001.fits
SecZ=1.24
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=12.4 11.3 13.9
ALT/AZ=53.7 -39.2
fwAVG=3.08
sdW=1030.2
fwW=3.10
sdS=75.6
fwS=2.99
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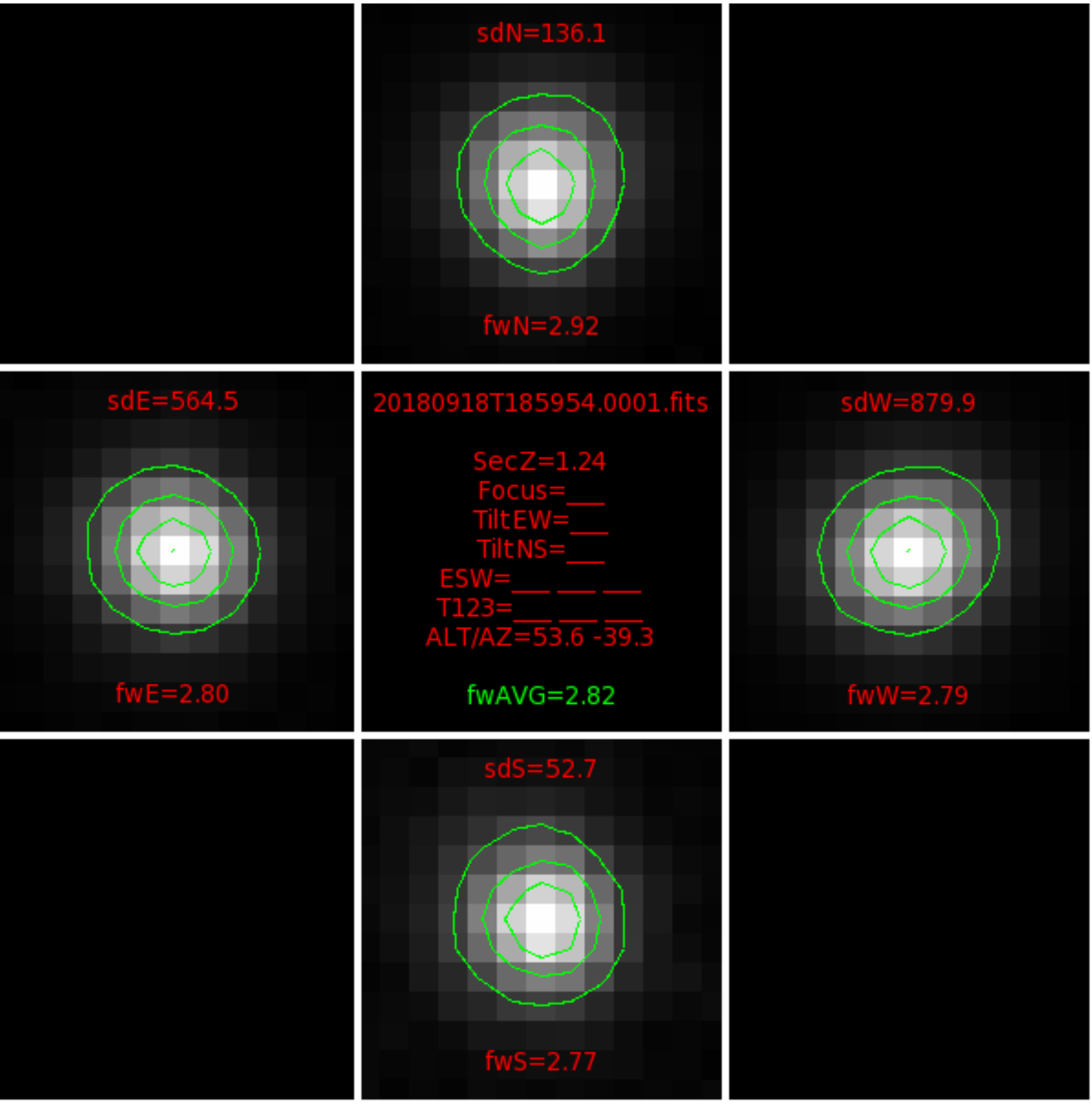
sdN=136.1
fwN=2.92
sdE=564.5
fwE=2.80
20180918T185954.0001.fits
SecZ=1.24
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=53.6 -39.3
fwAVG=2.82
sdW=879.9
fwW=2.79
sdS=52.7
fwS=2.77
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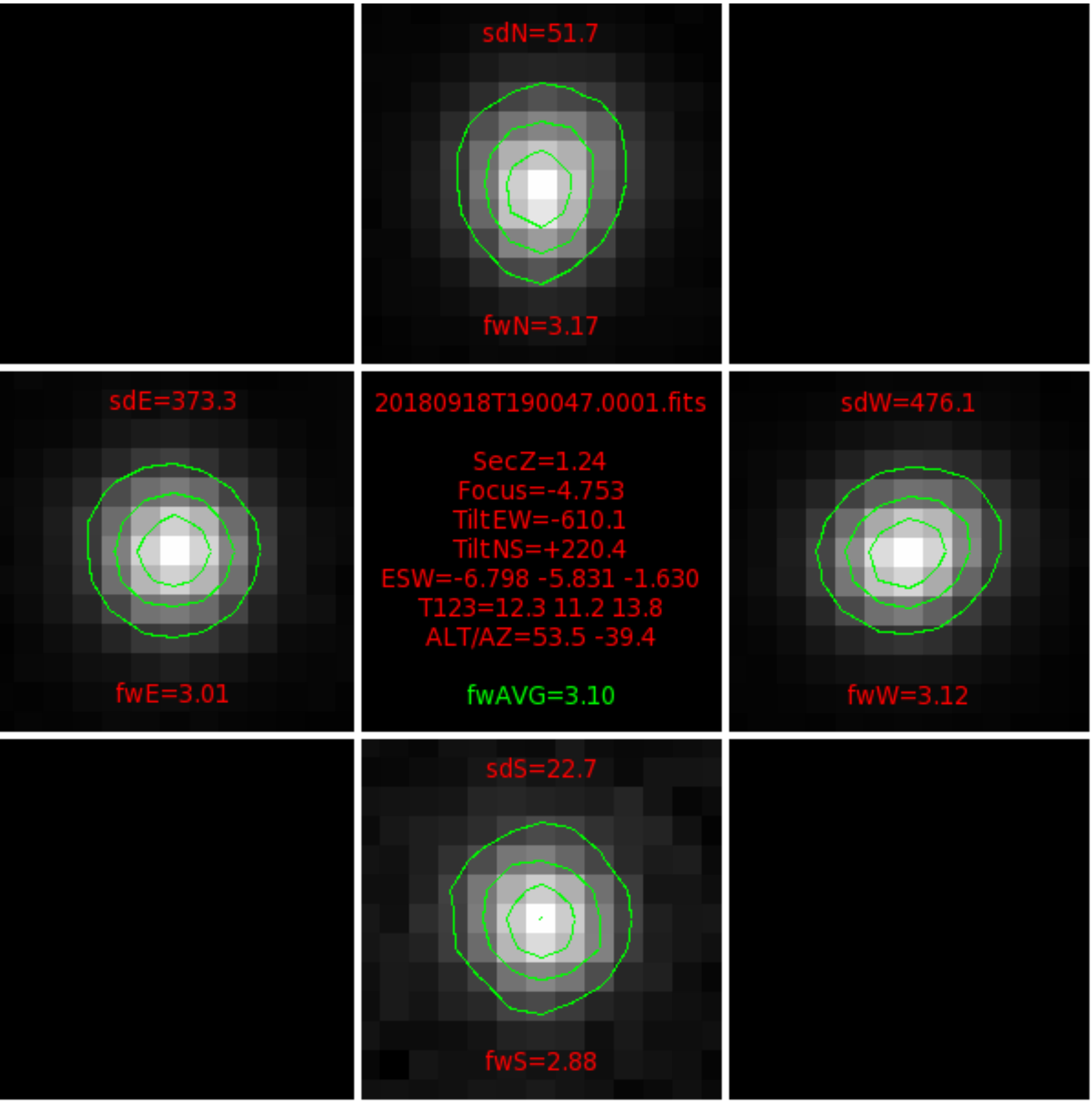
sdN=51.7
fwN=3.17
sdE=373.3
fwE=3.01
20180918T190047.0001.fits
SecZ=1.24
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=12.3 11.2 13.8
ALT/AZ=53.5 -39.4
fwAVG=3.10
sdW=476.1
fwW=3.12
sdS=22.7
fwS=2.88
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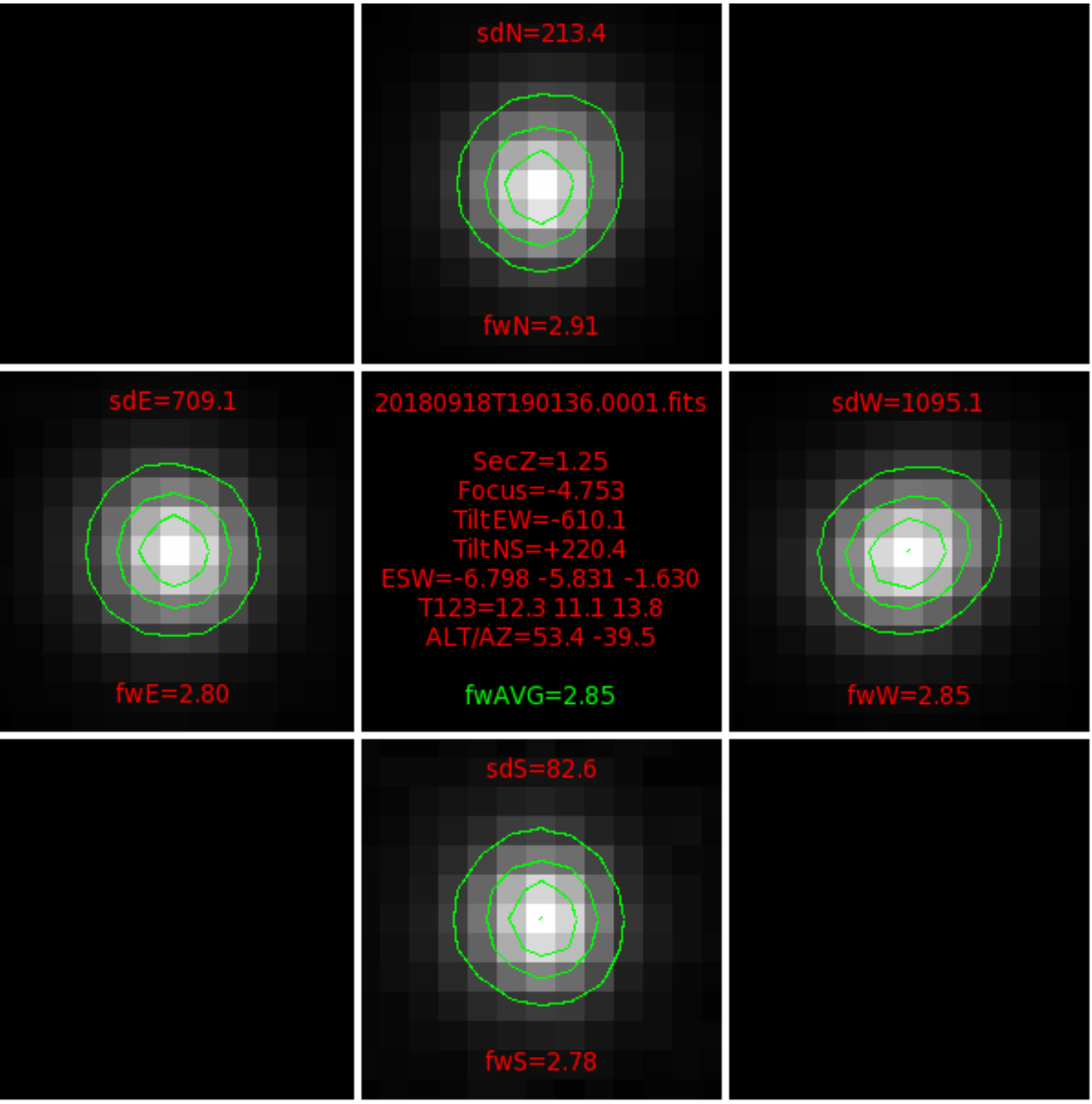
sdN=213.4
fwN=2.91
sdE=709.1
fwE=2.80
20180918T190136.0001.fits
SecZ=1.25
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=12.3 11.1 13.8
ALT/AZ=53.4 -39.5
fwAVG=2.85
sdW=1095.1
fwW=2.85
sdS=82.6
fwS=2.78
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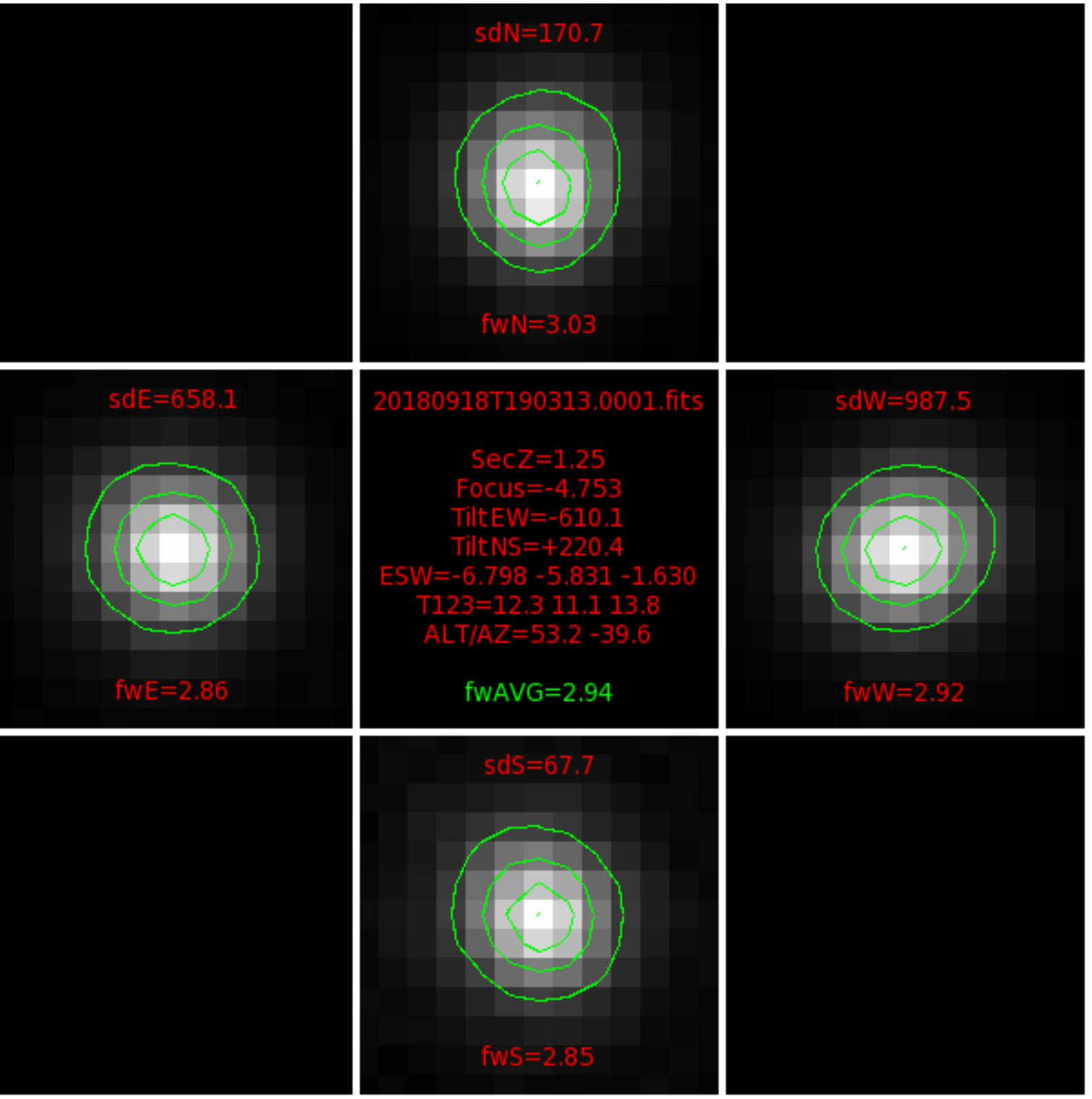
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sdE=658.1
fwE=2.86
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SecZ=1.25
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=12.3 11.1 13.8
ALT/AZ=53.2 -39.6
fwAVG=2.94
sdW=987.5
fwW=2.92
sdS=67.7
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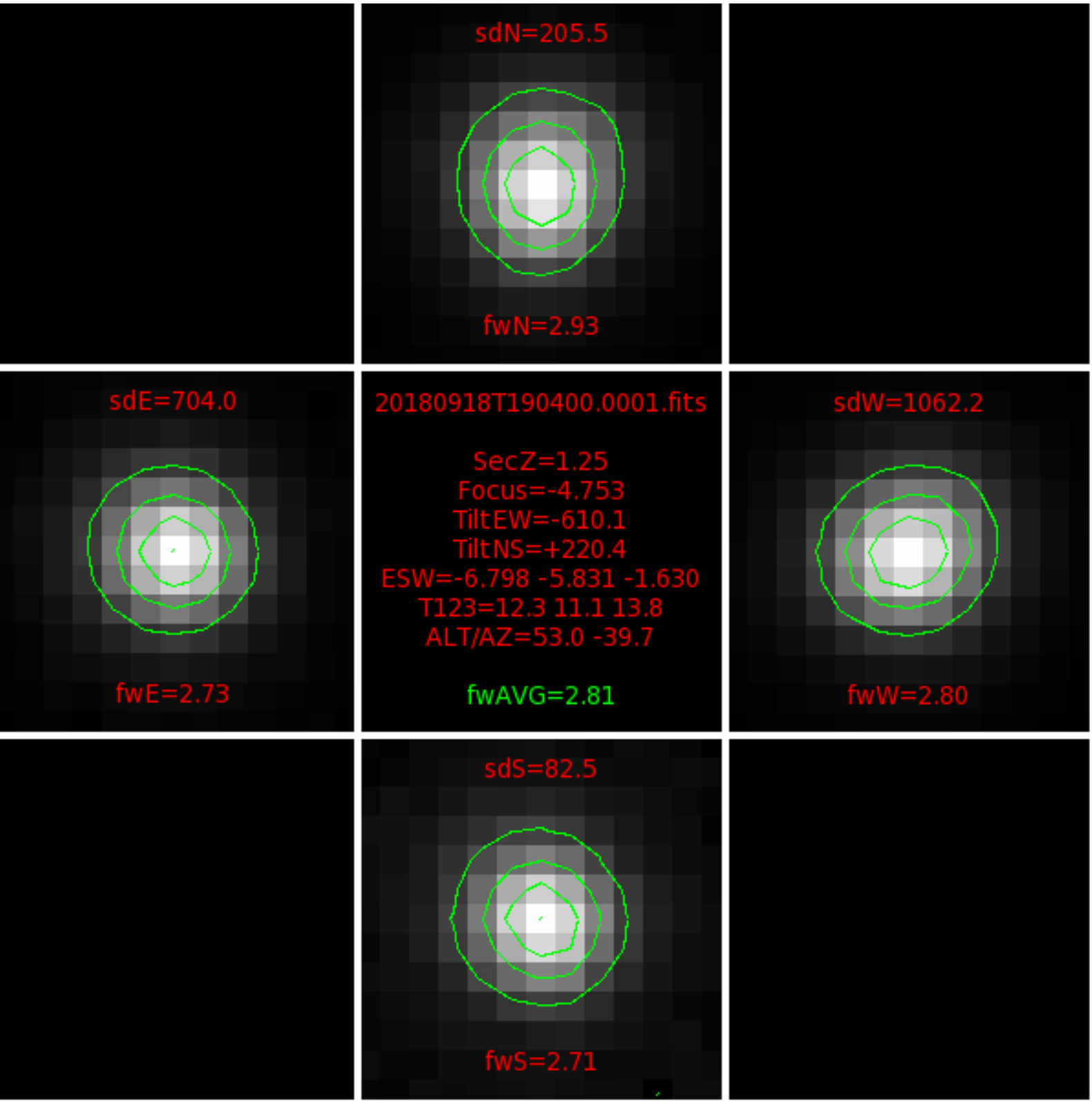
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sdE=704.0
fwE=2.73
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SecZ=1.25
Focus=-4.753
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.798 -5.831 -1.630
T123=12.3 11.1 13.8
ALT/AZ=53.0 -39.7
fwAVG=2.81
sdW=1062.2
fwW=2.80
sdS=82.5
fwS=2.71
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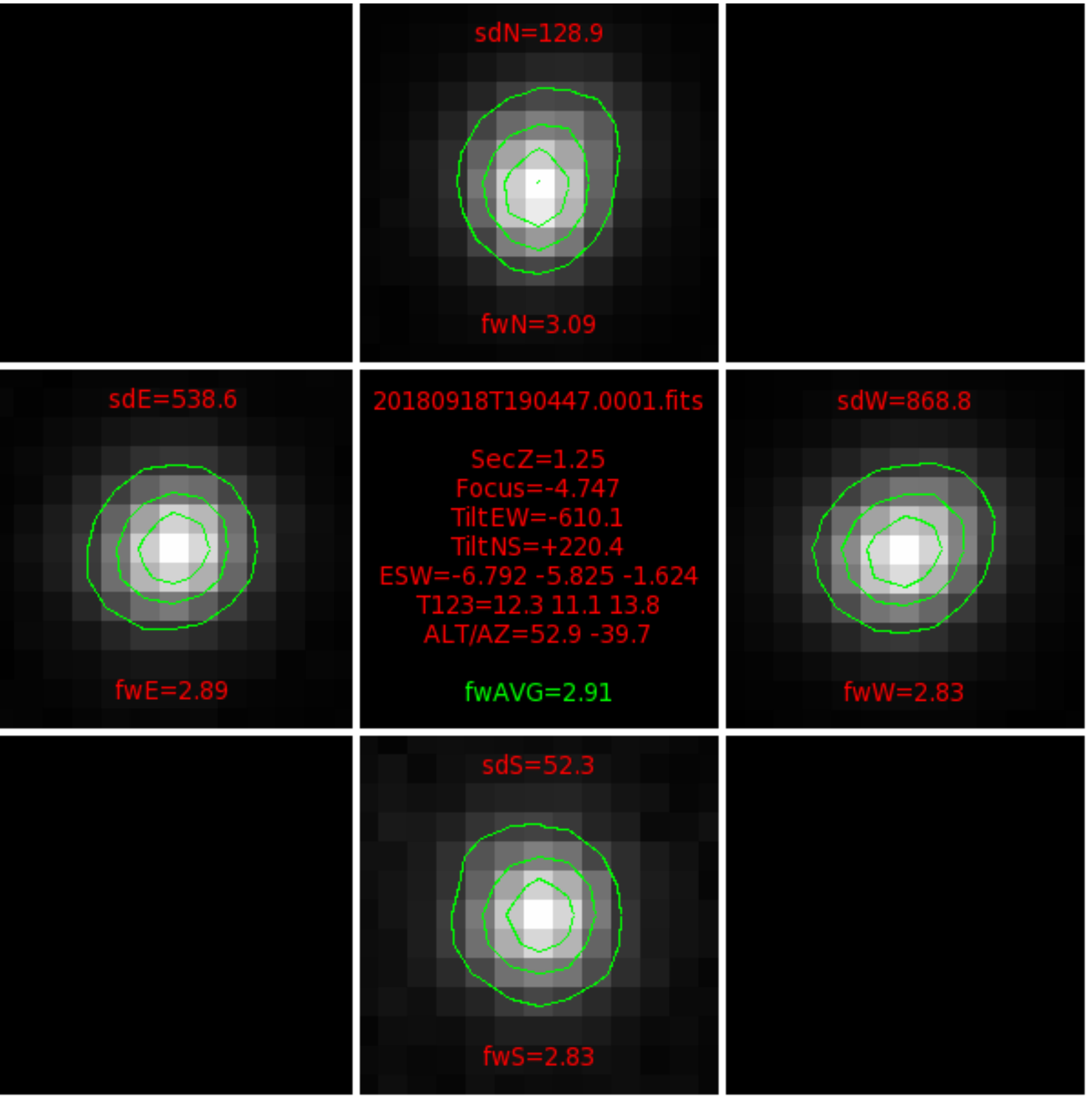
sdN=128.9
fwN=3.09
sdE=538.6
fwE=2.89
20180918T190447.0001.fits
SecZ=1.25
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=12.3 11.1 13.8
ALT/AZ=52.9 -39.7
fwAVG=2.91
sdW=868.8
fwW=2.83
sdS=52.3
fwS=2.83
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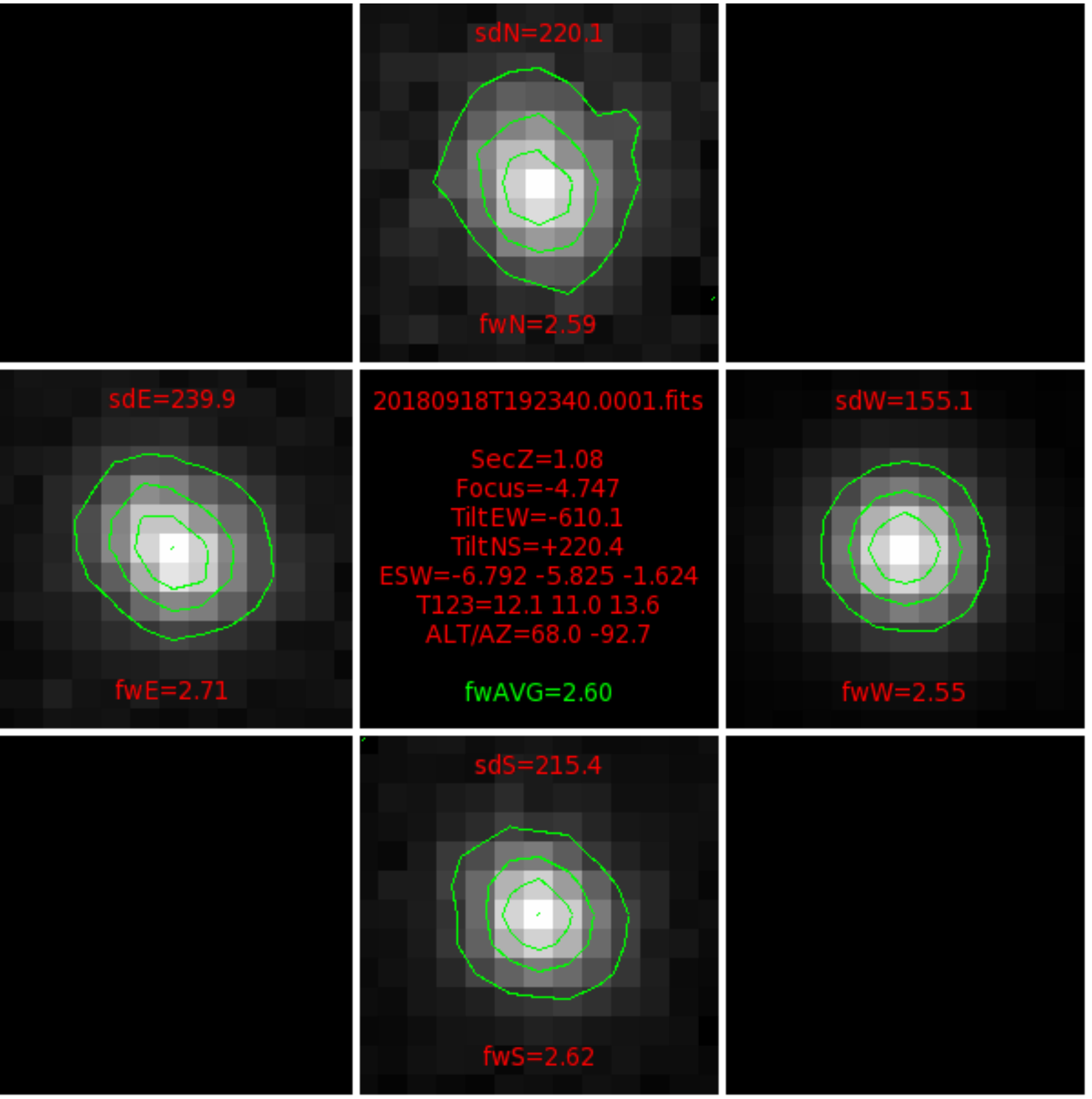
sdN=220.1
fwN=2.59
sdE=239.9
fwE=2.71
20180918T192340.0001.fits
SecZ=1.08
Focus=-4.747
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.792 -5.825 -1.624
T123=12.1 11.0 13.6
ALT/AZ=68.0 -92.7
fwAVG=2.60
sdW=155.1
fwW=2.55
sdS=215.4
fwS=2.62
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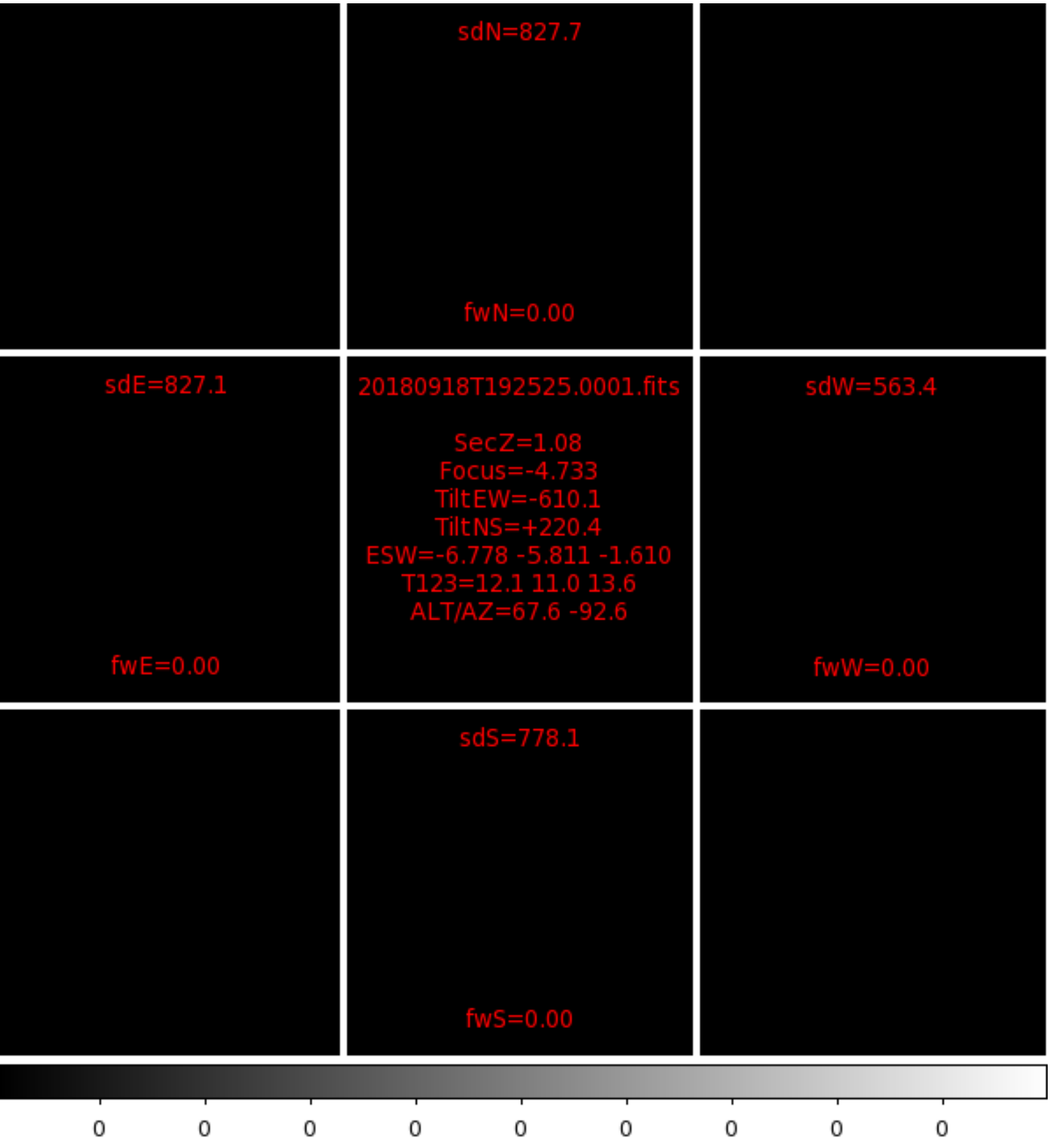
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fwN=0.00
sdE=827.1
fwE=0.00
20180918T192525.0001.fits
SecZ=1.08
Focus=-4.733
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.778 -5.811 -1.610
T123=12.1 11.0 13.6
ALT/AZ=67.6 -92.6
sdW=563.4
fwW=0.00
sdS=778.1
fwS=0.00
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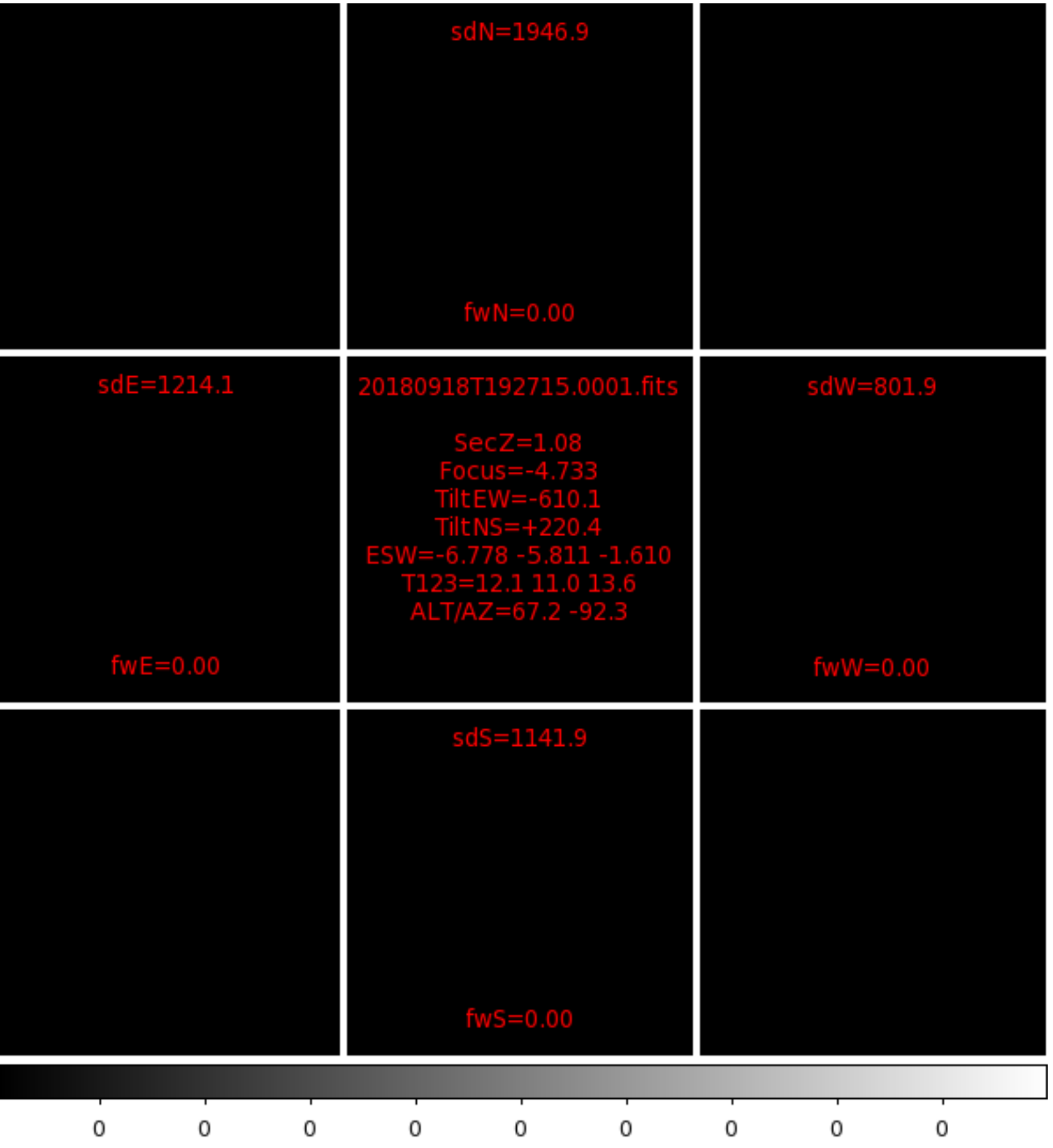
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fwN=0.00
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20180918T192715.0001.fits
SecZ=1.08
Focus=-4.733
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.778 -5.811 -1.610
T123=12.1 11.0 13.6
ALT/AZ=67.2 -92.3
sdW=801.9
fwW=0.00
sdS=1141.9
fwS=0.00
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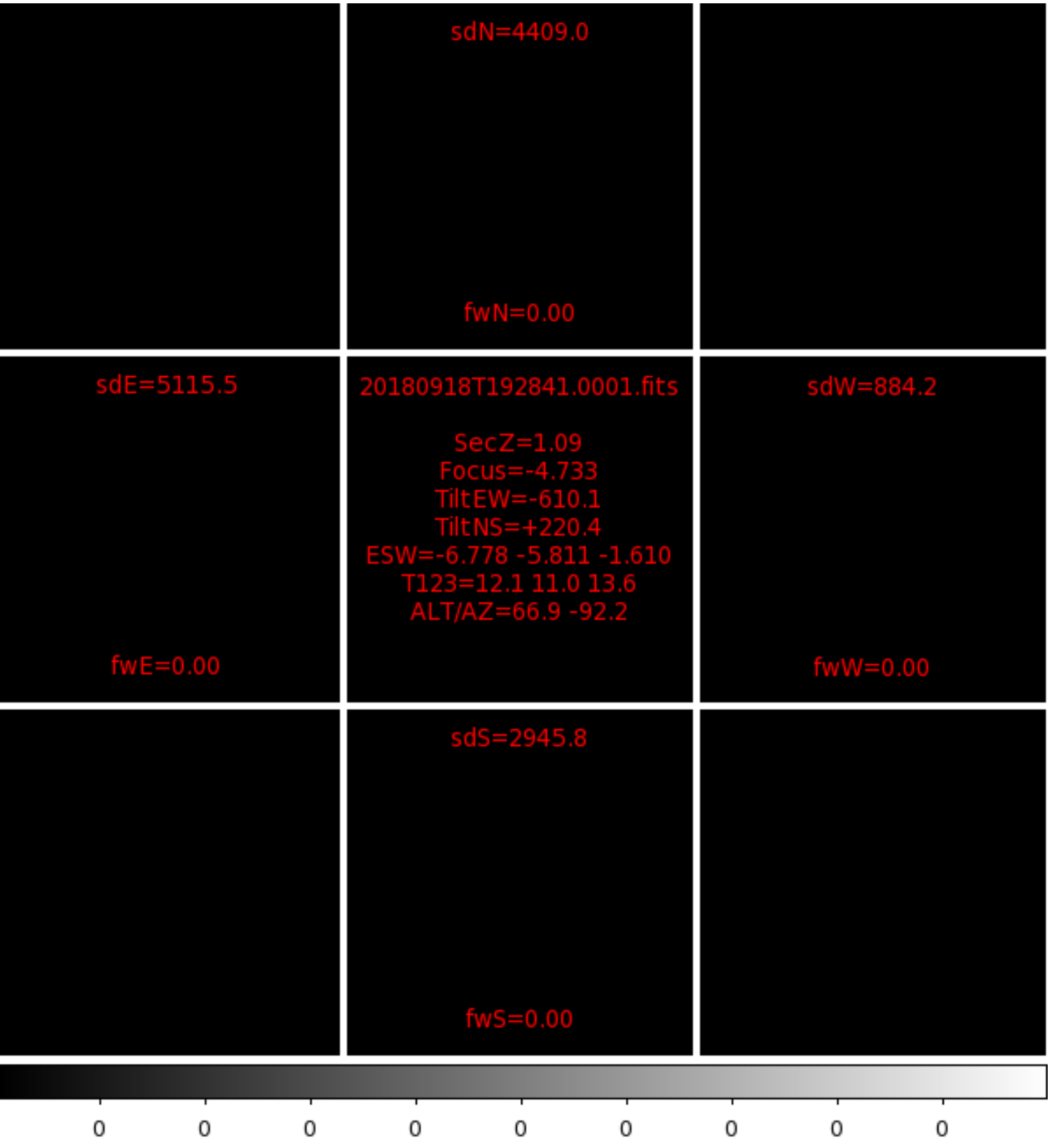
sdN=4409.0
fwN=0.00
sdE=5115.5
fwE=0.00
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SecZ=1.09
Focus=-4.733
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.778 -5.811 -1.610
T123=12.1 11.0 13.6
ALT/AZ=66.9 -92.2
sdW=884.2
fwW=0.00
sdS=2945.8
fwS=0.00
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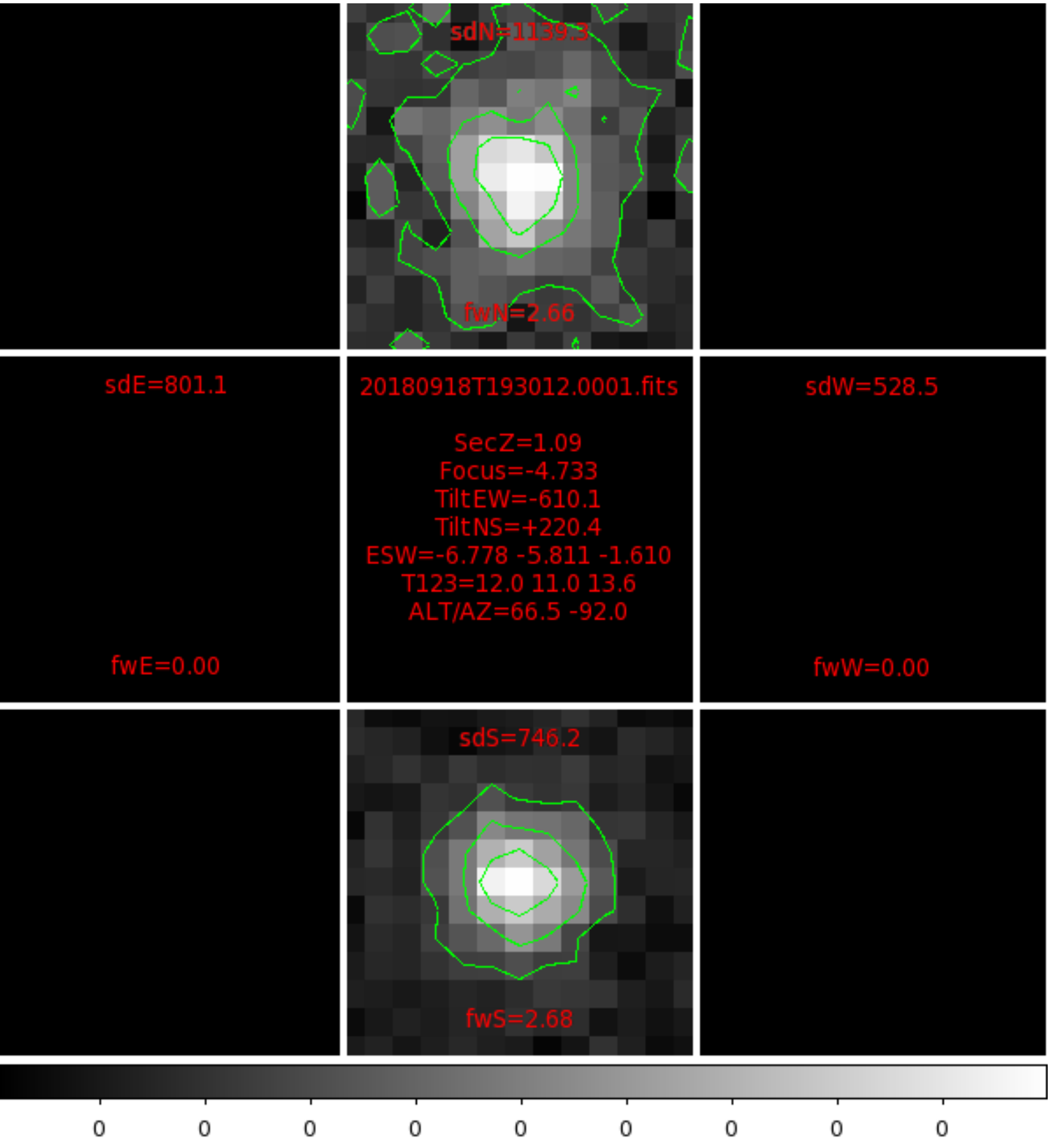
sdN=1139.3
fwN=2.66
sdE=801.1
20180918T193012.0001.fits
SecZ=1.09
Focus=-4.733
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.778 -5.811 -1.610
T123=12.0 11.0 13.6
ALT/AZ=66.5 -92.0
sdW=528.5
fwE=0.00
fwW=0.00
sdS=746.2
fwS=2.68
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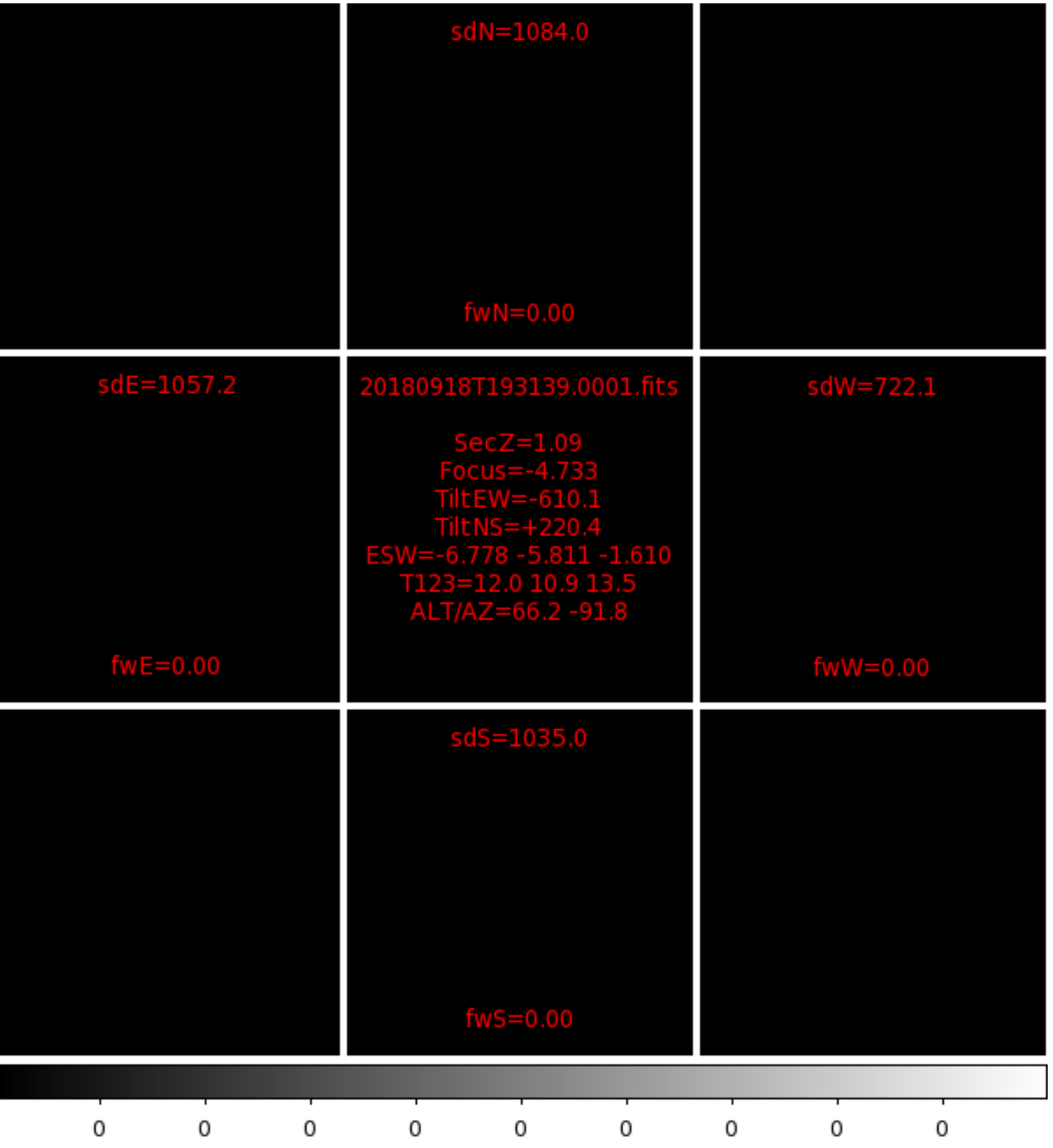
sdN=1084.0
fwN=0.00
sdE=1057.2
fwE=0.00
20180918T193139.0001.fits
SecZ=1.09
Focus=-4.733
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.778 -5.811 -1.610
T123=12.0 10.9 13.5
ALT/AZ=66.2 -91.8
sdW=722.1
fwW=0.00
sdS=1035.0
fwS=0.00
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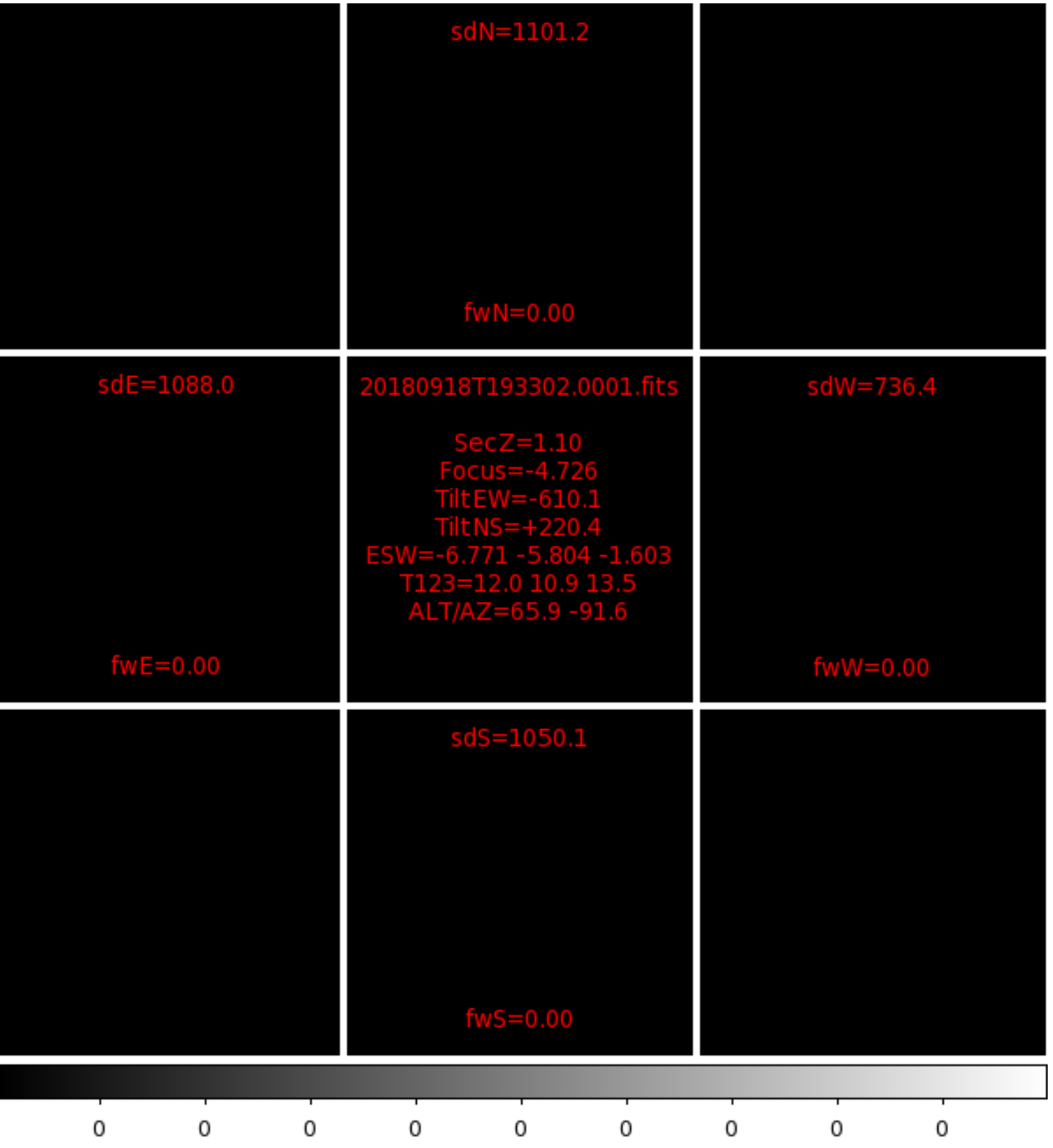
sdN=1101.2
fwN=0.00
sdE=1088.0
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SecZ=1.10
Focus=-4.726
TiltEW=-610.1
TiltNS=+220.4
ESW=-6.771 -5.804 -1.603
T123=12.0 10.9 13.5
ALT/AZ=65.9 -91.6
sdW=736.4
fwE=0.00
fwW=0.00
sdS=1050.1
fwS=0.00
0 0 0 0 0 0 0 0 0