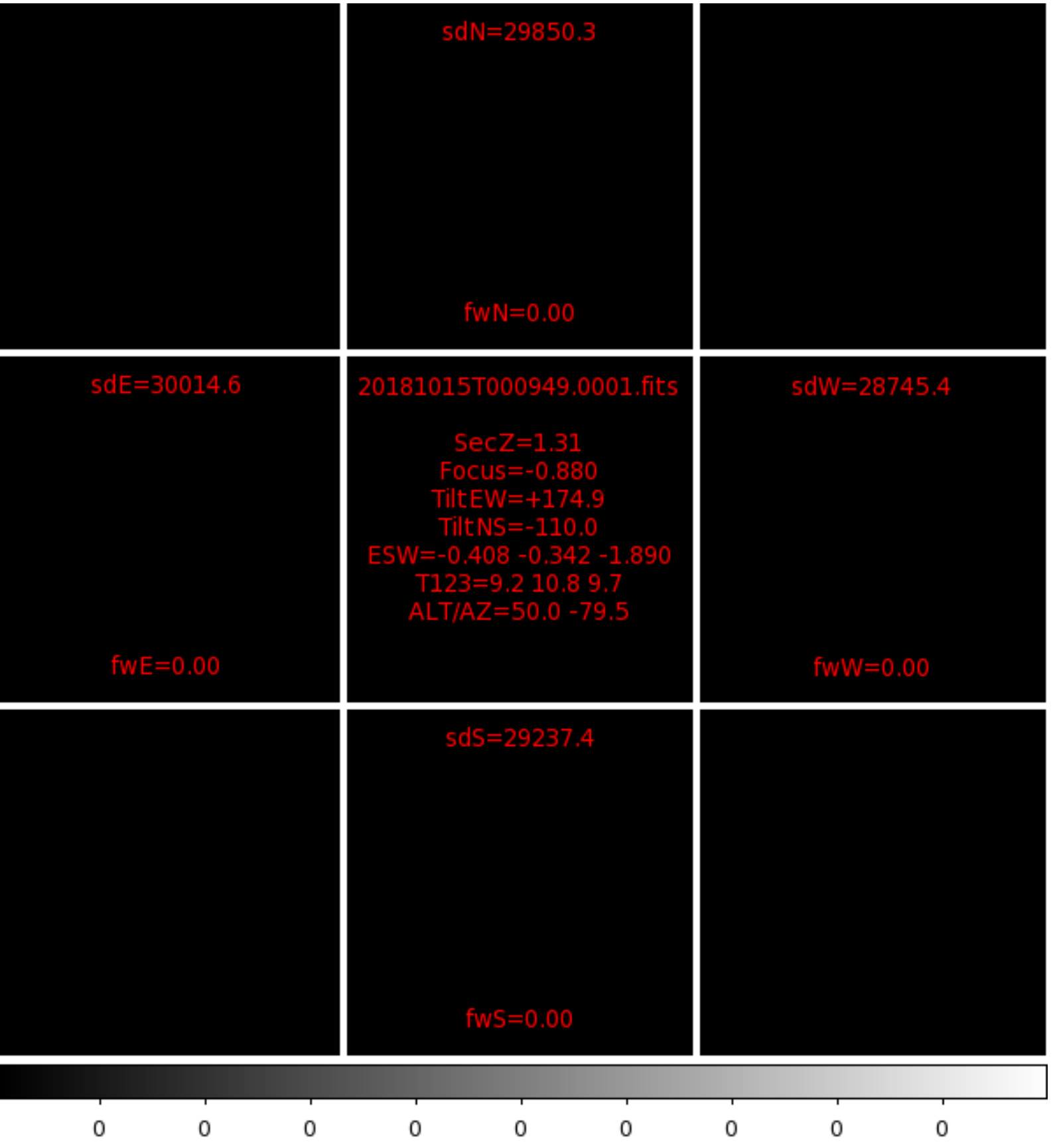
sdN=29850.3
fwN=0.00
sdE=30014.6
fwE=0.00
20181015T000949.0001.fits
SecZ=1.31
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.2 10.8 9.7
ALT/AZ=50.0 -79.5
sdW=28745.4
fwW=0.00
sdS=29237.4
fwS=0.00
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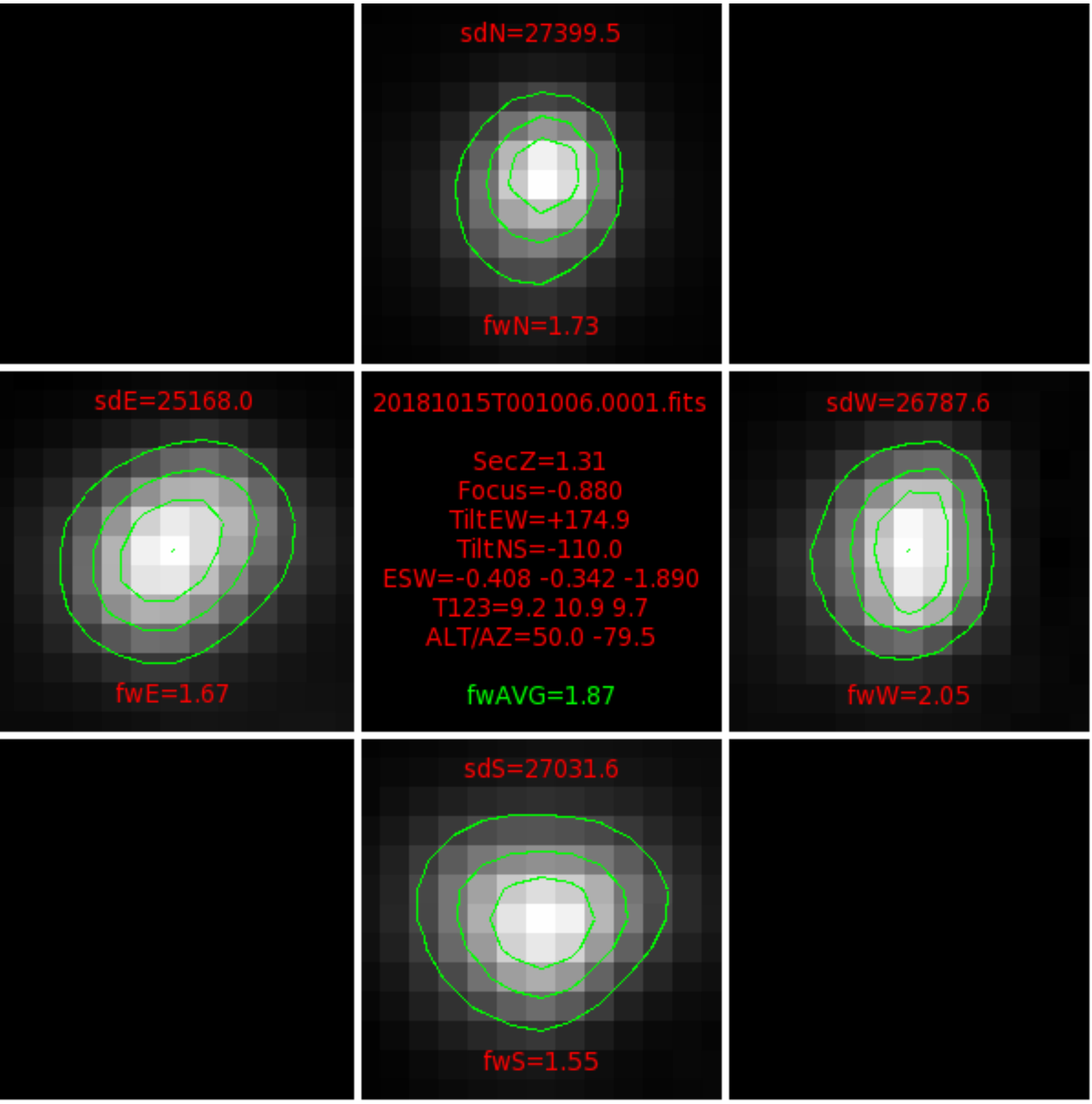
sdN=27399.5
fwN=1.73
sdE=25168.0
fwE=1.67
20181015T001006.0001.fits
SecZ=1.31
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.2 10.9 9.7
ALT/AZ=50.0 -79.5
fwAVG=1.87
sdW=26787.6
fwW=2.05
sdS=27031.6
fwS=1.55
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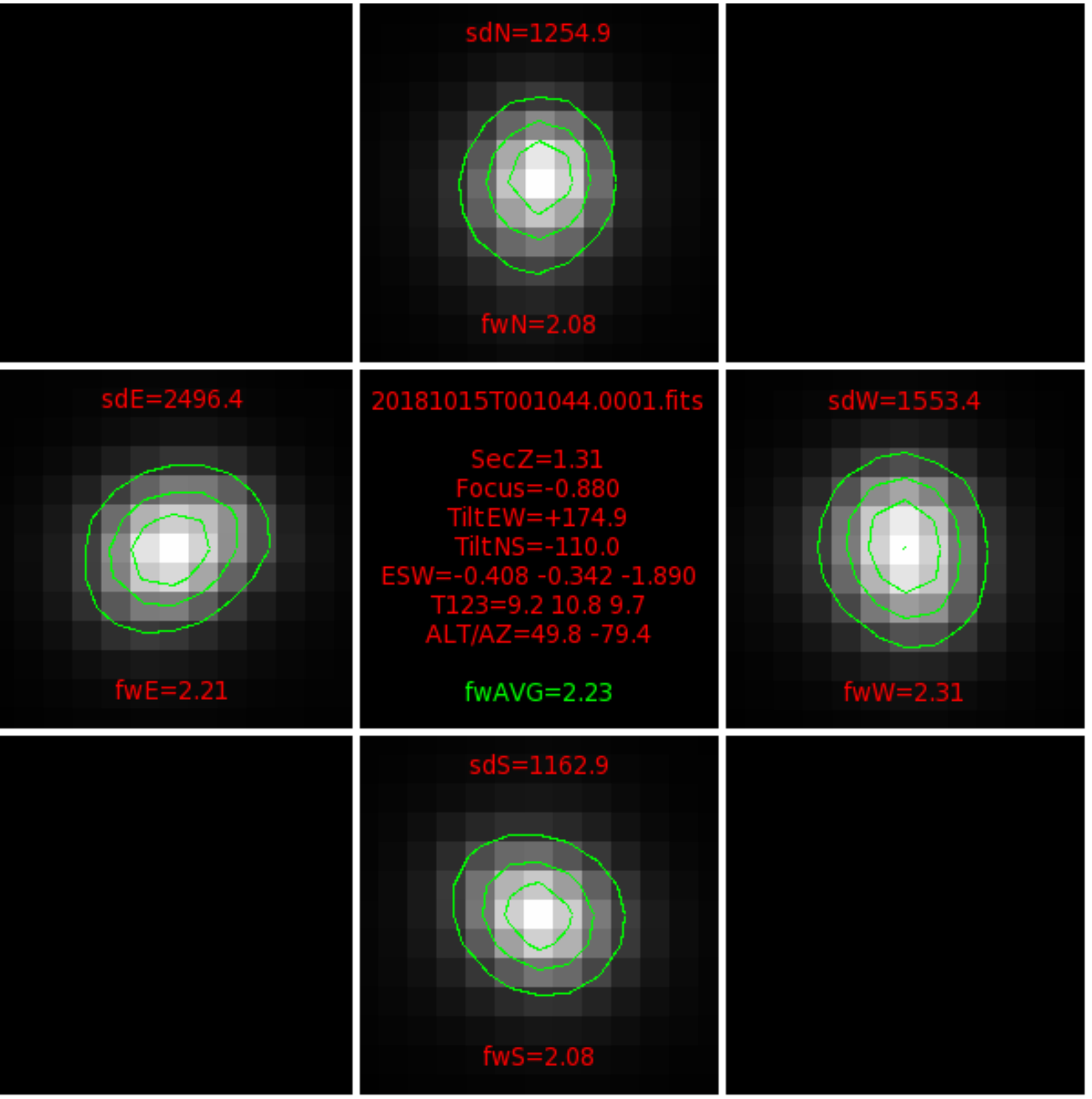
sdN=1254.9
fwN=2.08
sdE=2496.4
fwE=2.21
20181015T001044.0001.fits
SecZ=1.31
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.2 10.8 9.7
ALT/AZ=49.8 -79.4
fwAVG=2.23
sdW=1553.4
fwW=2.31
sdS=1162.9
fwS=2.08
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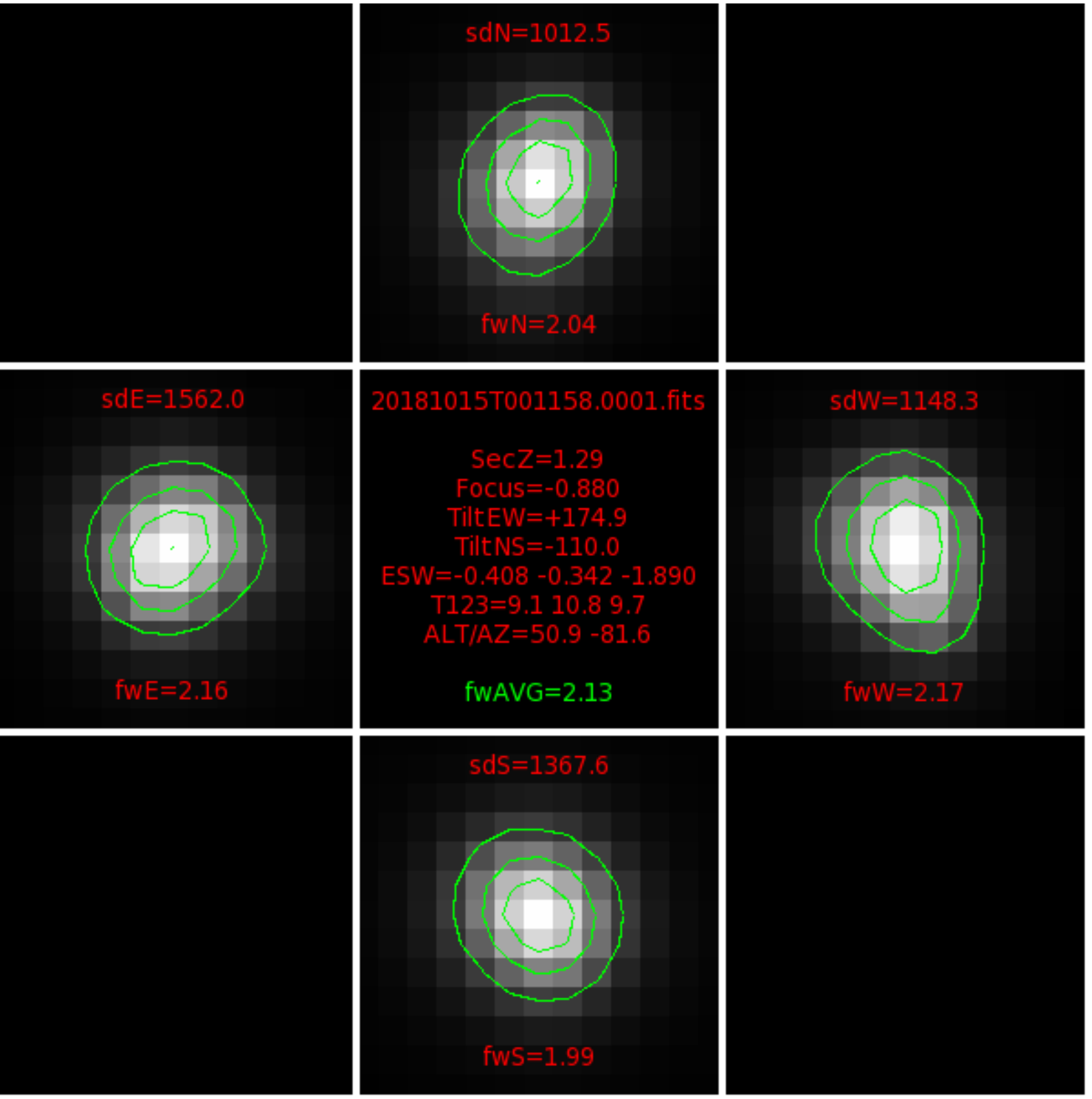
sdN=1012.5
fwN=2.04
sdE=1562.0
fwE=2.16
20181015T001158.0001.fits
SecZ=1.29
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.1 10.8 9.7
ALT/AZ=50.9 -81.6
fwAVG=2.13
sdW=1148.3
fwW=2.17
sdS=1367.6
fwS=1.99
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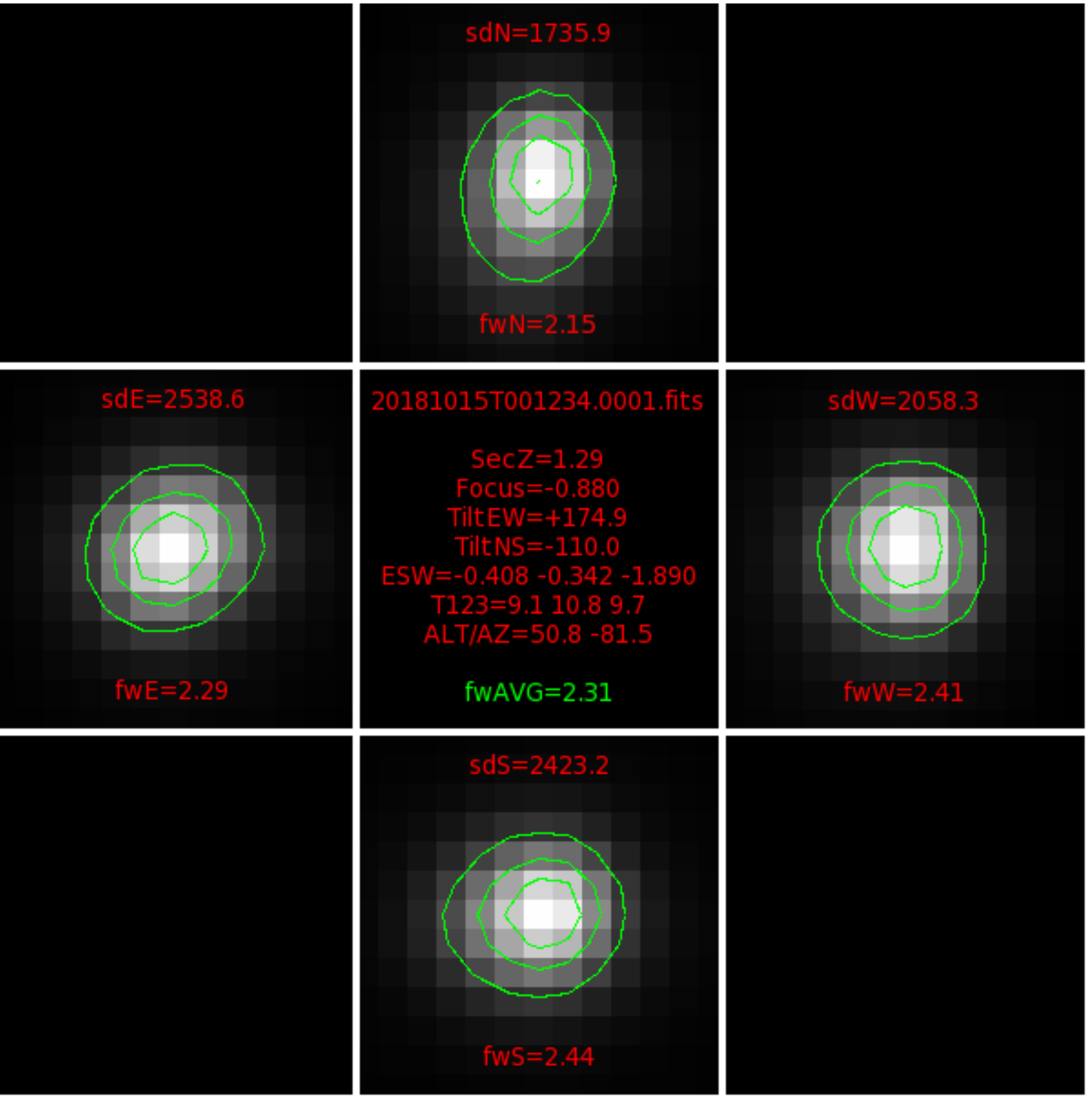
sdN=1735.9
fwN=2.15
sdE=2538.6
fwE=2.29
20181015T001234.0001.fits
SecZ=1.29
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.1 10.8 9.7
ALT/AZ=50.8 -81.5
fwAVG=2.31
sdW=2058.3
fwW=2.41
sdS=2423.2
fwS=2.44
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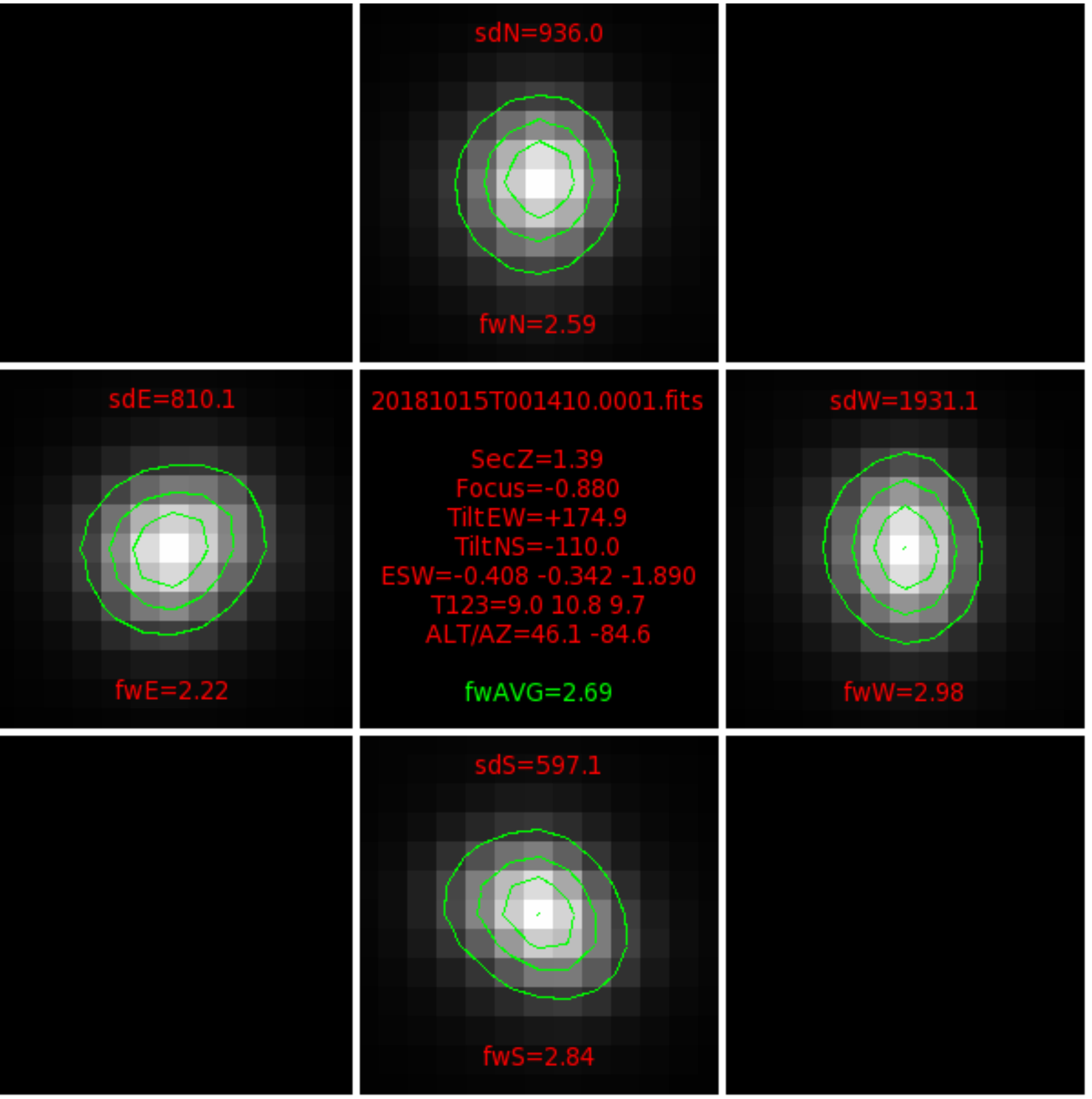
sdN=936.0
fwN=2.59
sdE=810.1
fwE=2.22
20181015T001410.0001.fits
SecZ=1.39
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.0 10.8 9.7
ALT/AZ=46.1 -84.6
fwAVG=2.69
sdW=1931.1
fwW=2.98
sdS=597.1
fwS=2.84
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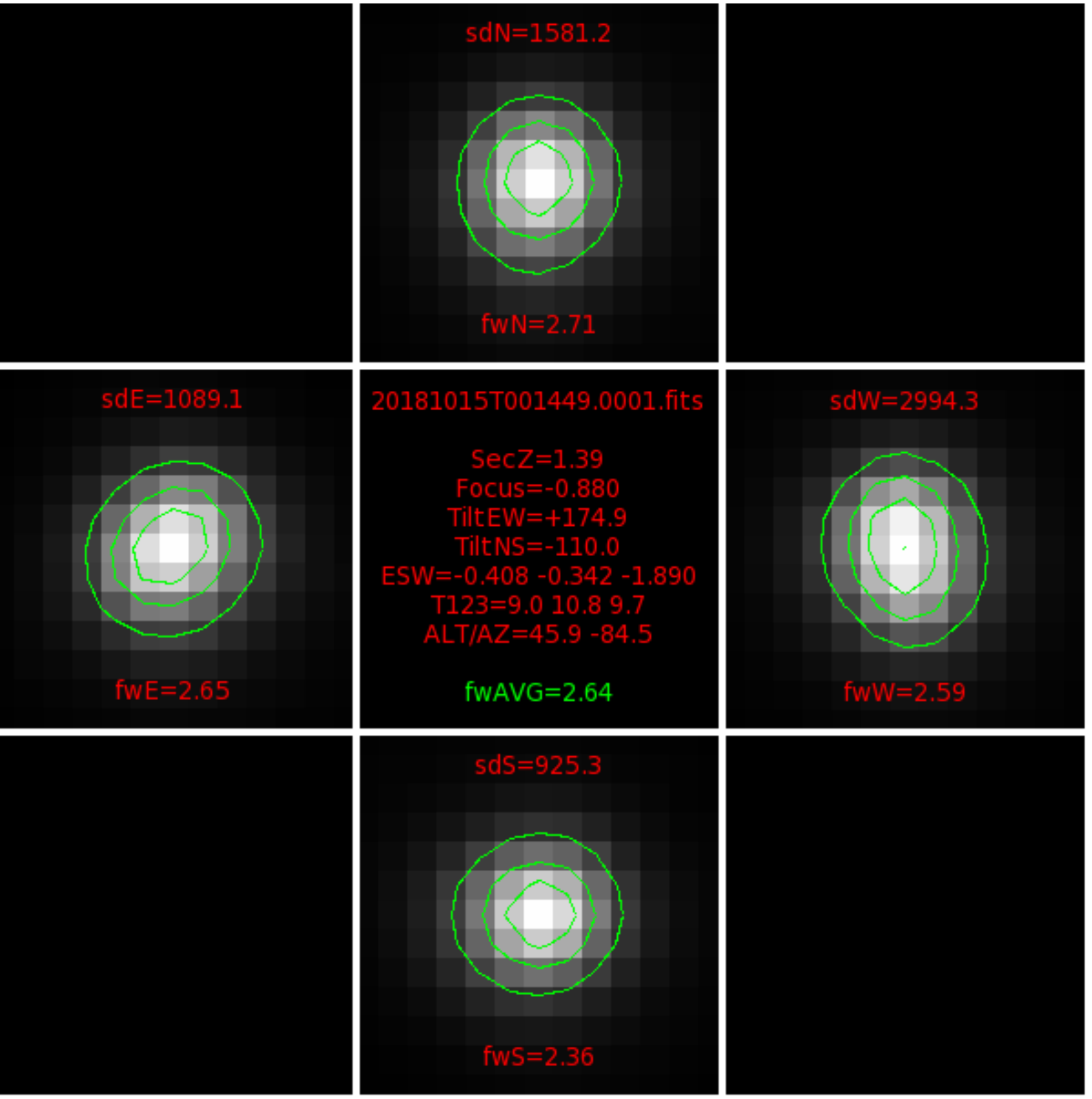
sdN=1581.2
fwN=2.71
sdE=1089.1
fwE=2.65
20181015T001449.0001.fits
SecZ=1.39
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.0 10.8 9.7
ALT/AZ=45.9 -84.5
fwAVG=2.64
sdW=2994.3
fwW=2.59
sdS=925.3
fwS=2.36
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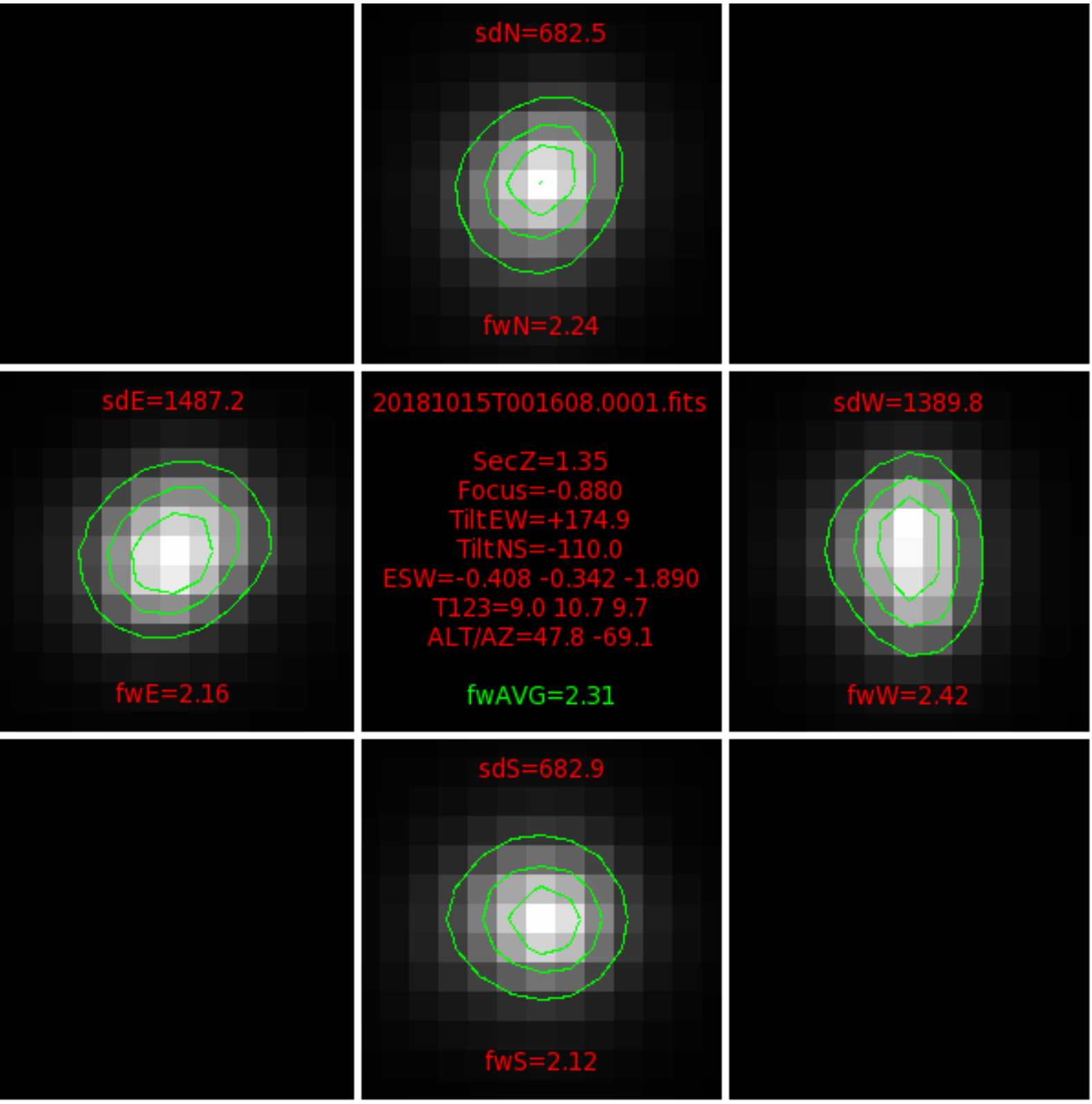
sdN=682.5
fwN=2.24
sdE=1487.2
fwE=2.16
20181015T001608.0001.fits
SecZ=1.35
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.0 10.7 9.7
ALT/AZ=47.8 -69.1
fwAVG=2.31
sdW=1389.8
fwW=2.42
sdS=682.9
fwS=2.12
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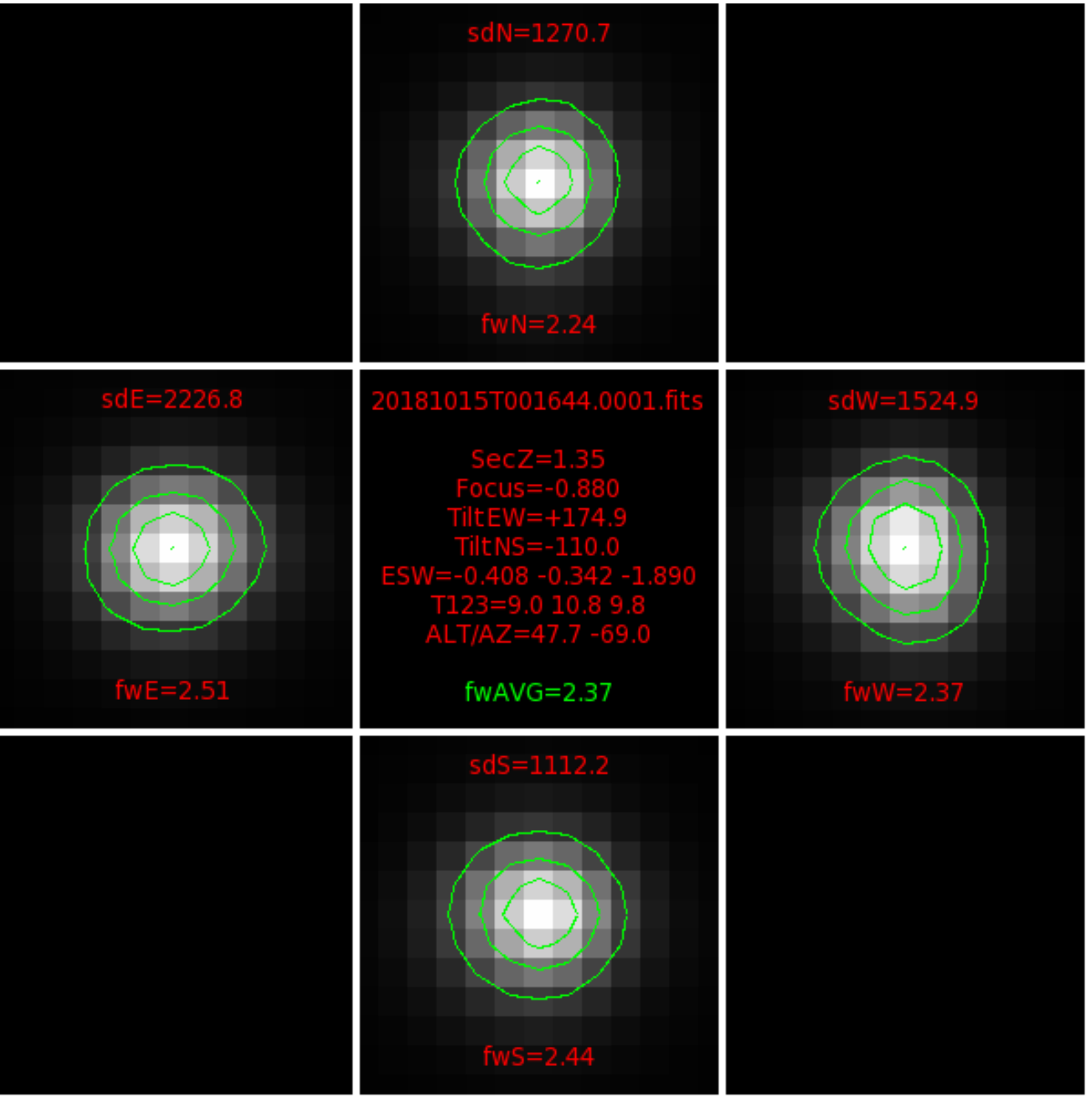
sdN=1270.7
fwN=2.24
sdE=2226.8
fwE=2.51
20181015T001644.0001.fits
SecZ=1.35
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.0 10.8 9.8
ALT/AZ=47.7 -69.0
fwAVG=2.37
sdW=1524.9
fwW=2.37
sdS=1112.2
fwS=2.44
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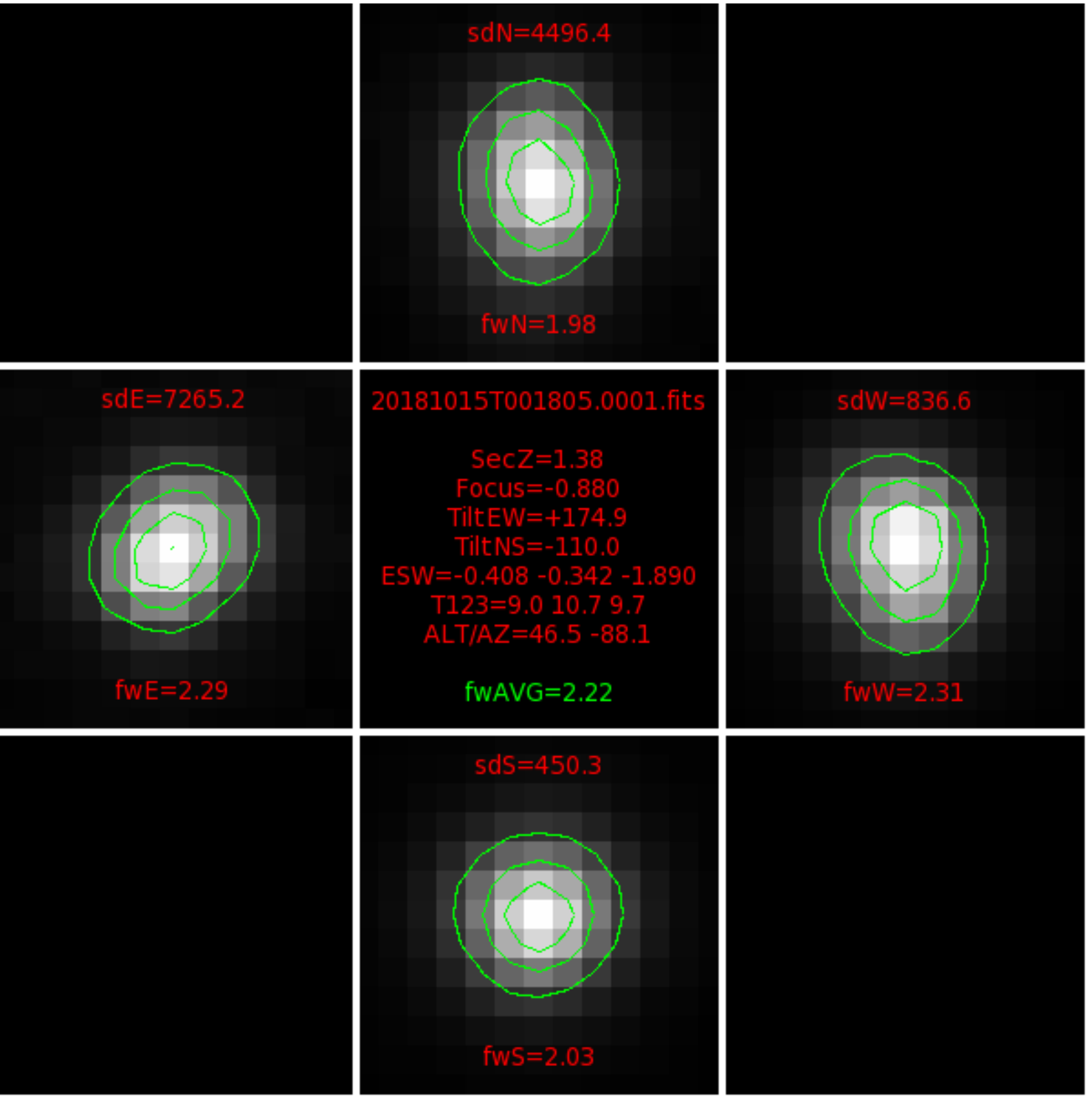
sdN=4496.4
fwN=1.98
sdE=7265.2
fwE=2.29
20181015T001805.0001.fits
SecZ=1.38
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.0 10.7 9.7
ALT/AZ=46.5 -88.1
fwAVG=2.22
sdW=836.6
fwW=2.31
sdS=450.3
fwS=2.03
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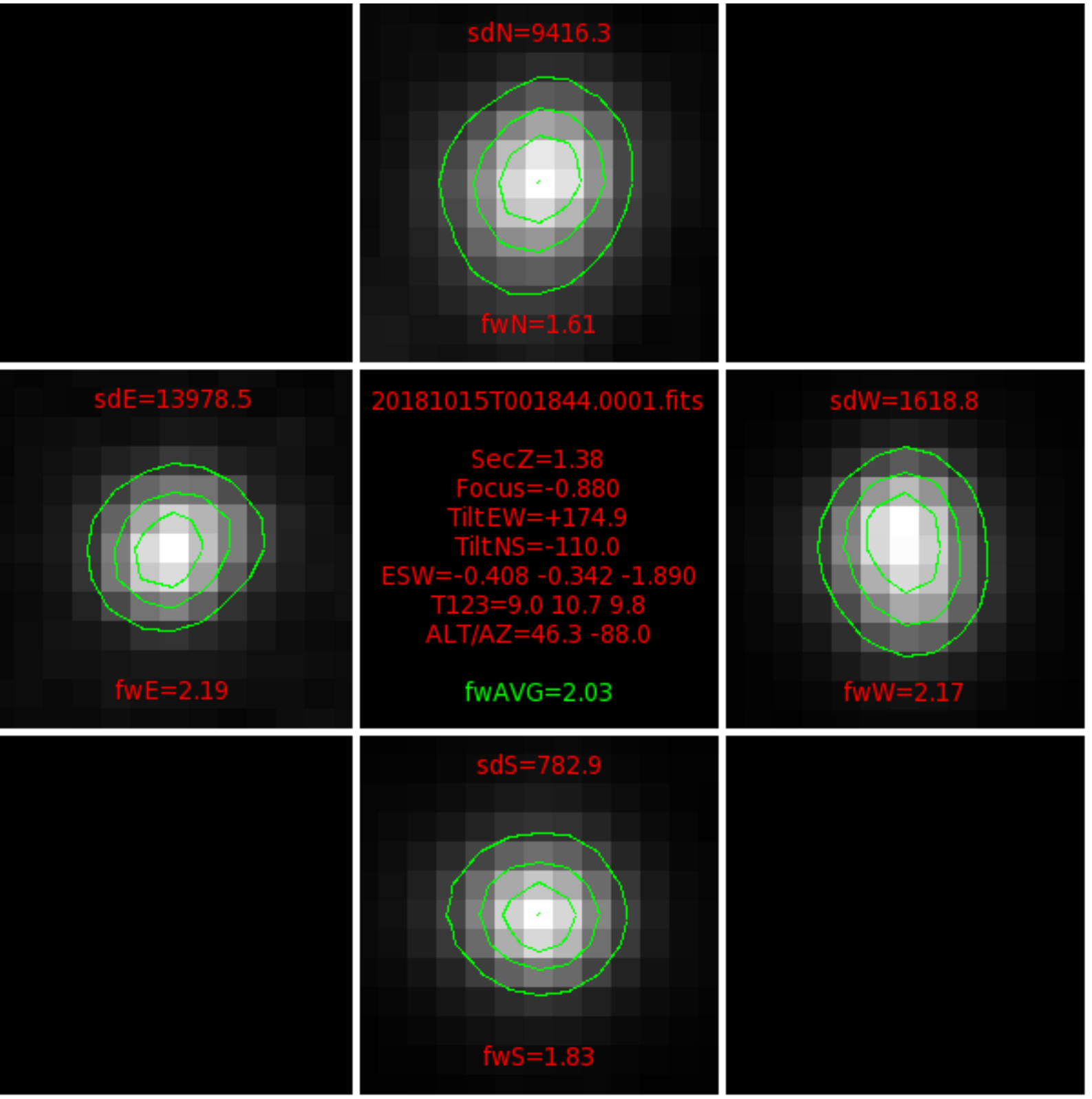
sdN=9416.3
fwN=1.61
sdE=13978.5
fwE=2.19
20181015T001844.0001.fits
SecZ=1.38
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.0 10.7 9.8
ALT/AZ=46.3 -88.0
fwAVG=2.03
sdW=1618.8
fwW=2.17
sdS=782.9
fwS=1.83
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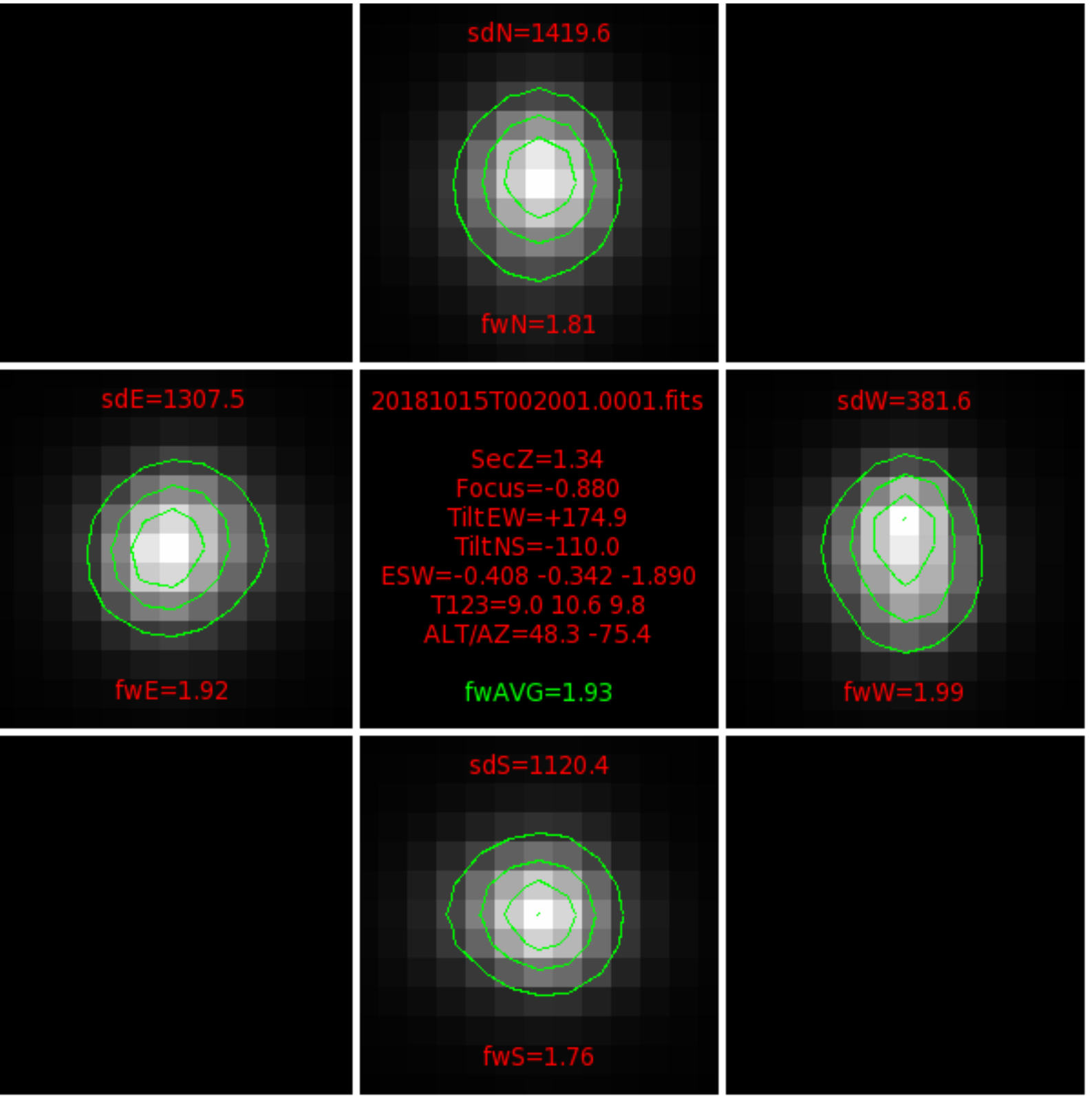
sdN=1419.6
fwN=1.81
sdE=1307.5
fwE=1.92
20181015T002001.0001.fits
SecZ=1.34
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.0 10.6 9.8
ALT/AZ=48.3 -75.4
fwAVG=1.93
sdW=381.6
fwW=1.99
sdS=1120.4
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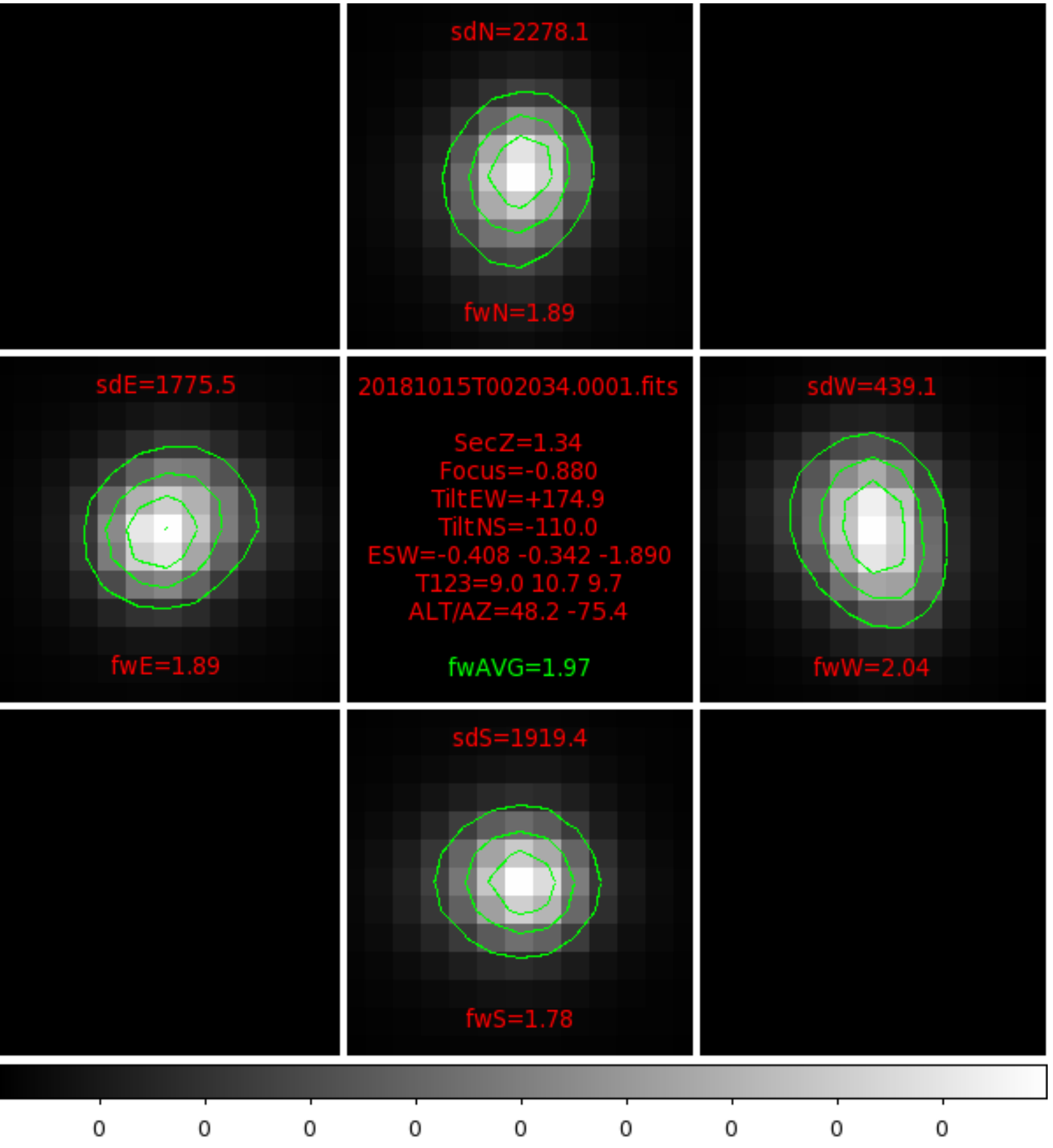
sdN=2278.1
fwN=1.89
sdE=1775.5
fwE=1.89
20181015T002034.0001.fits
SecZ=1.34
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.0 10.7 9.7
ALT/AZ=48.2 -75.4
fwAVG=1.97
sdW=439.1
fwW=2.04
sdS=1919.4
fwS=1.78
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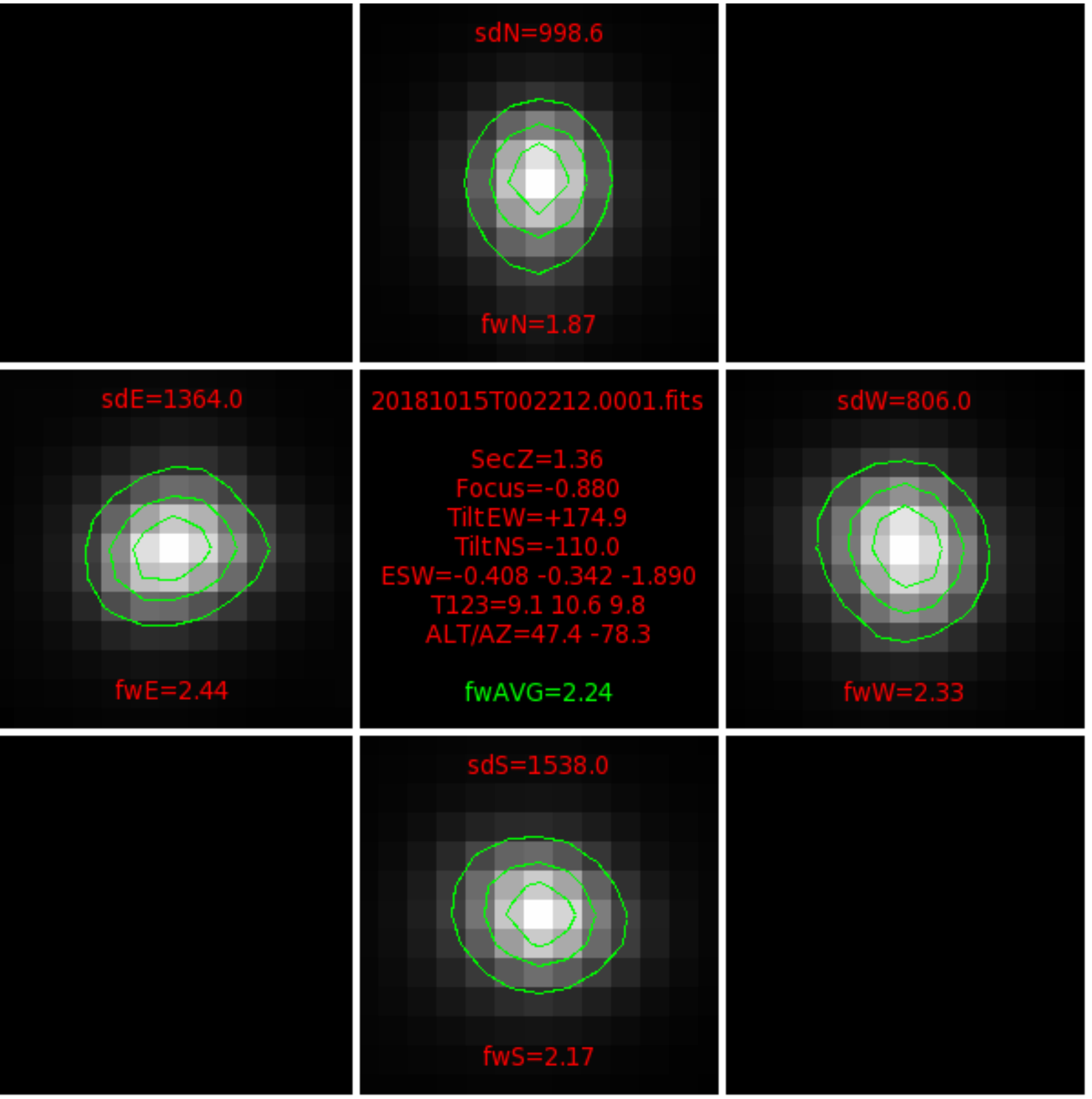
sdN=998.6
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sdE=1364.0
fwE=2.44
20181015T002212.0001.fits
SecZ=1.36
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.1 10.6 9.8
ALT/AZ=47.4 -78.3
fwAVG=2.24
sdW=806.0
fwW=2.33
sdS=1538.0
fwS=2.17
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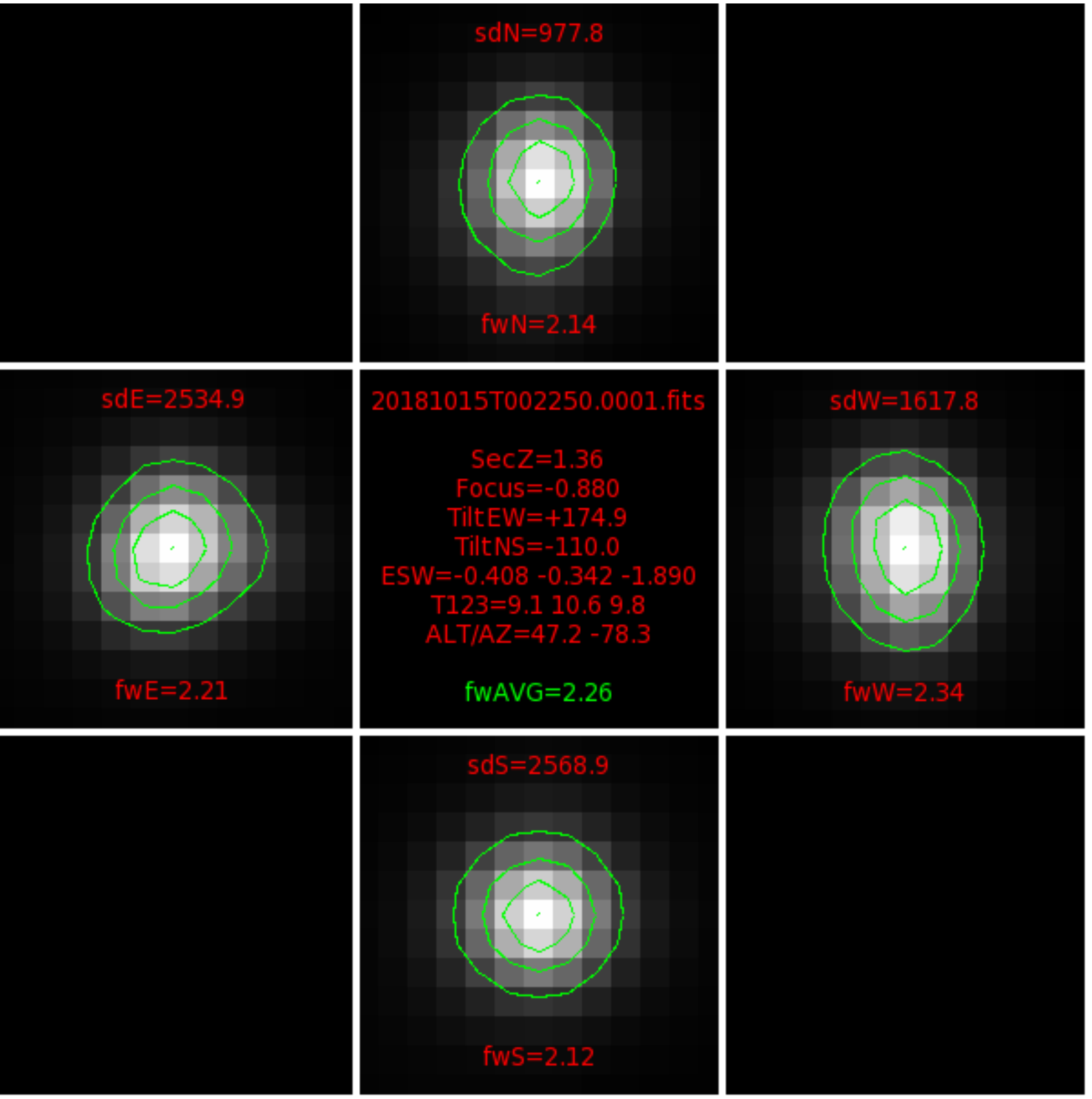
sdN=977.8
fwN=2.14
sdE=2534.9
fwE=2.21
20181015T002250.0001.fits
SecZ=1.36
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.1 10.6 9.8
ALT/AZ=47.2 -78.3
fwAVG=2.26
sdW=1617.8
fwW=2.34
sdS=2568.9
fwS=2.12
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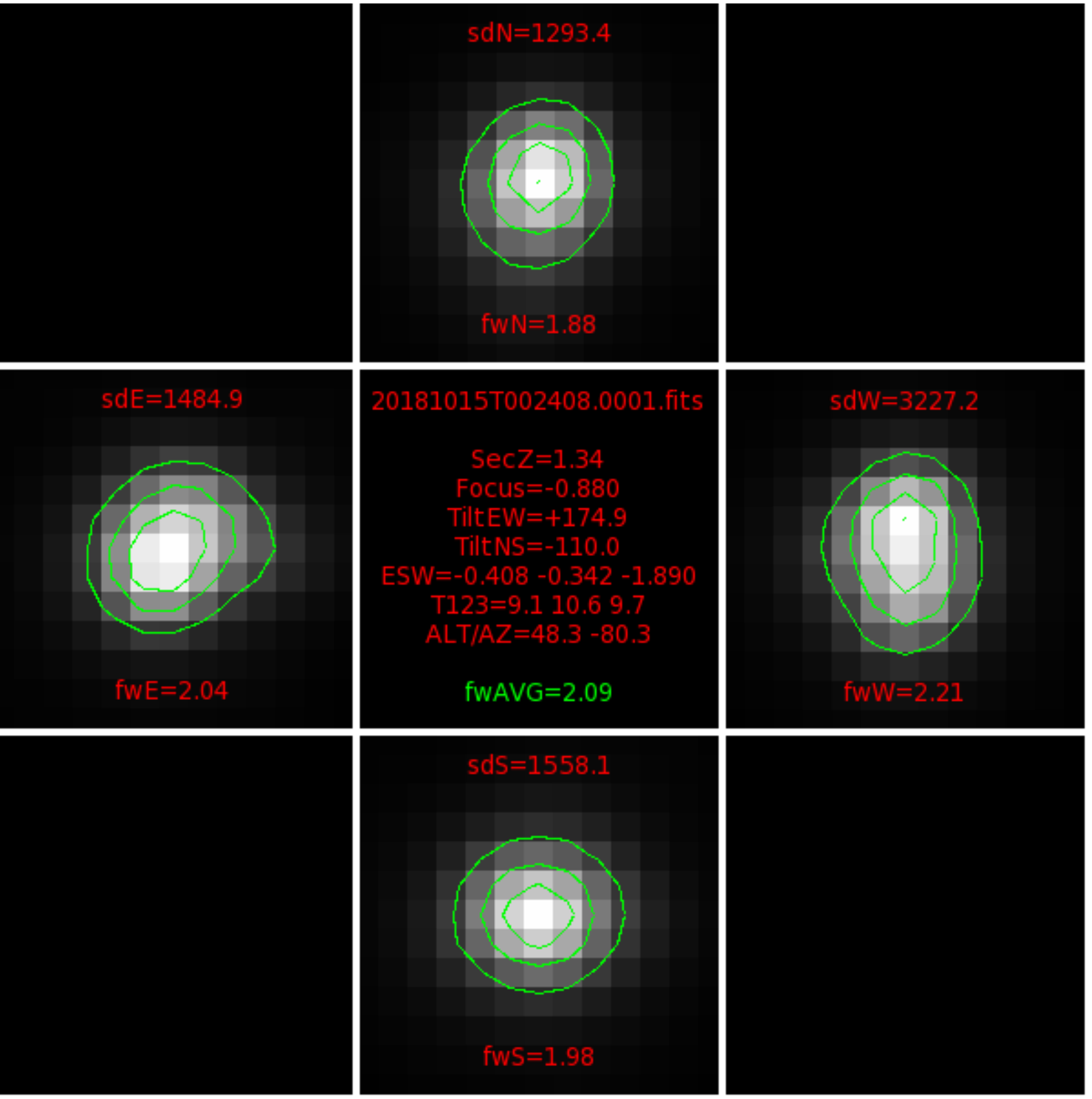
sdN=1293.4
fwN=1.88
sdE=1484.9
fwE=2.04
20181015T002408.0001.fits
SecZ=1.34
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.1 10.6 9.7
ALT/AZ=48.3 -80.3
fwAVG=2.09
sdW=3227.2
fwW=2.21
sdS=1558.1
fwS=1.98
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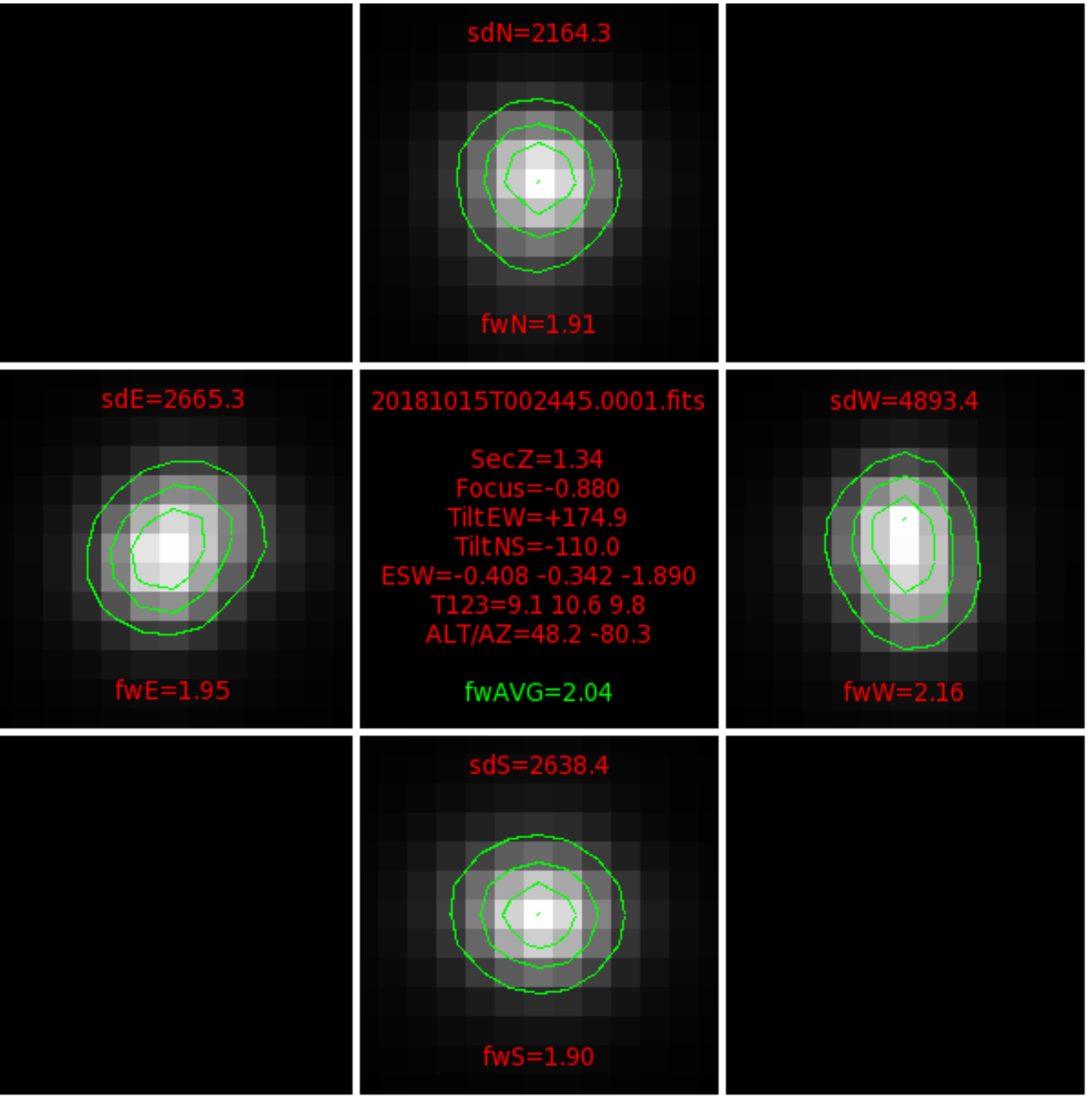
sdN=2164.3
fwN=1.91
sdE=2665.3
fwE=1.95
20181015T002445.0001.fits
SecZ=1.34
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.1 10.6 9.8
ALT/AZ=48.2 -80.3
fwAVG=2.04
sdW=4893.4
fwW=2.16
sdS=2638.4
fwS=1.90
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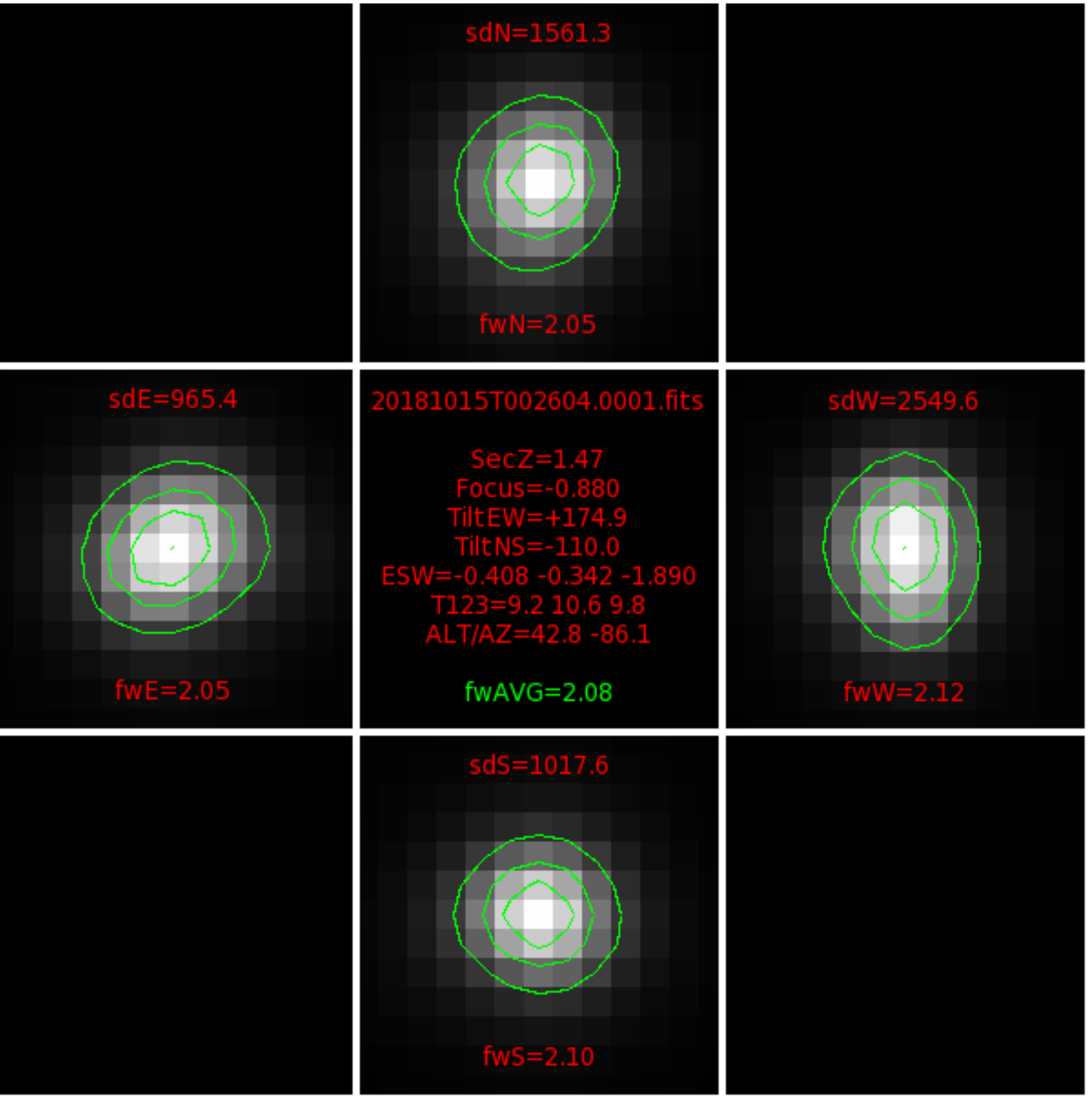
sdN=1561.3
fwN=2.05
sdE=965.4
fwE=2.05
20181015T002604.0001.fits
SecZ=1.47
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.2 10.6 9.8
ALT/AZ=42.8 -86.1
fwAVG=2.08
sdW=2549.6
fwW=2.12
sdS=1017.6
fwS=2.10
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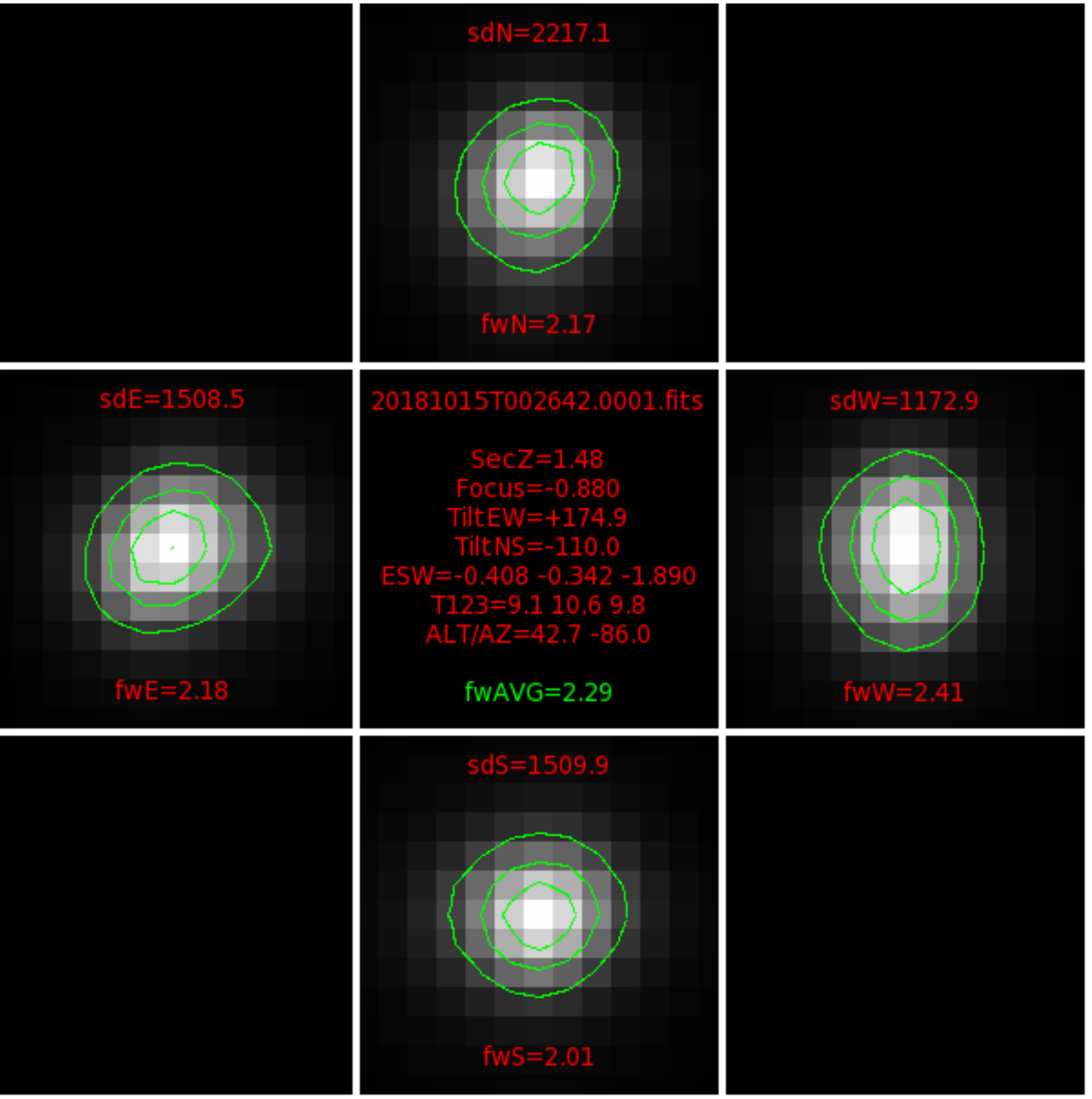
sdN=2217.1
fwN=2.17
sdE=1508.5
fwE=2.18
20181015T002642.0001.fits
SecZ=1.48
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.1 10.6 9.8
ALT/AZ=42.7 -86.0
fwAVG=2.29
sdW=1172.9
fwW=2.41
sdS=1509.9
fwS=2.01
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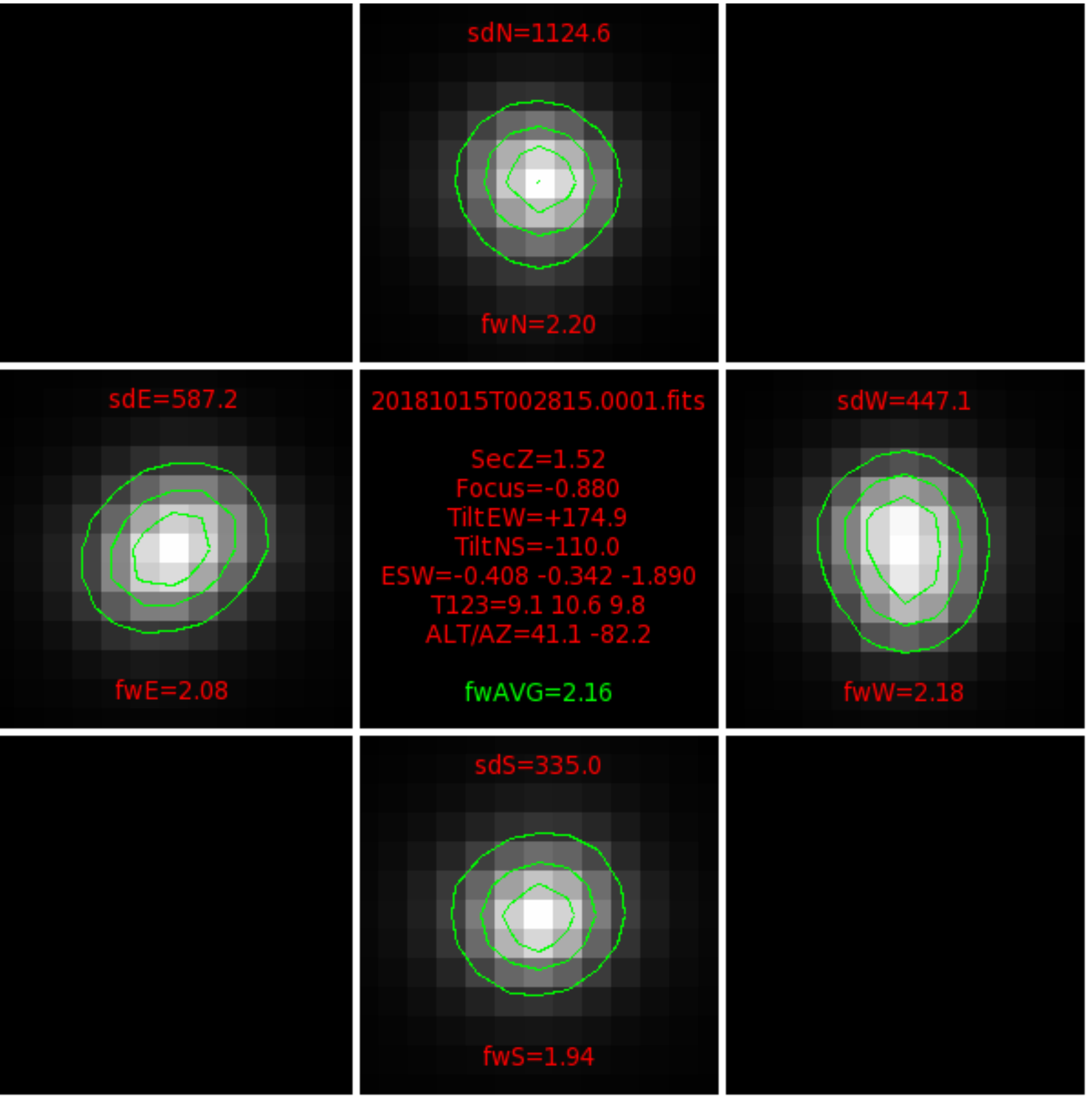
sdN=1124.6
fwN=2.20
sdE=587.2
fwE=2.08
20181015T002815.0001.fits
SecZ=1.52
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.1 10.6 9.8
ALT/AZ=41.1 -82.2
fwAVG=2.16
sdW=447.1
fwW=2.18
sdS=335.0
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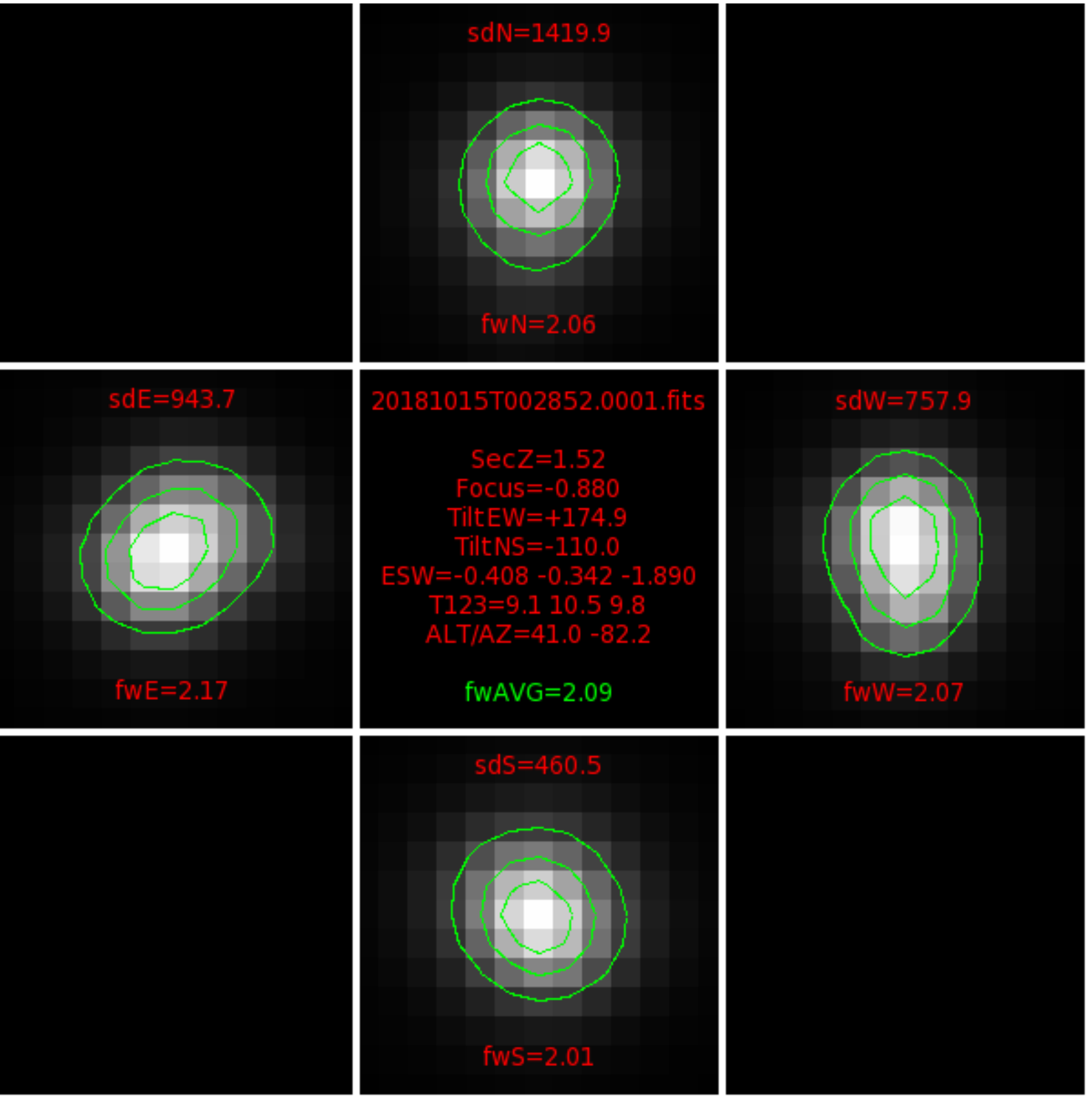
sdN=1419.9
fwN=2.06
sdE=943.7
fwE=2.17
20181015T002852.0001.fits
SecZ=1.52
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.1 10.5 9.8
ALT/AZ=41.0 -82.2
fwAVG=2.09
sdW=757.9
fwW=2.07
sdS=460.5
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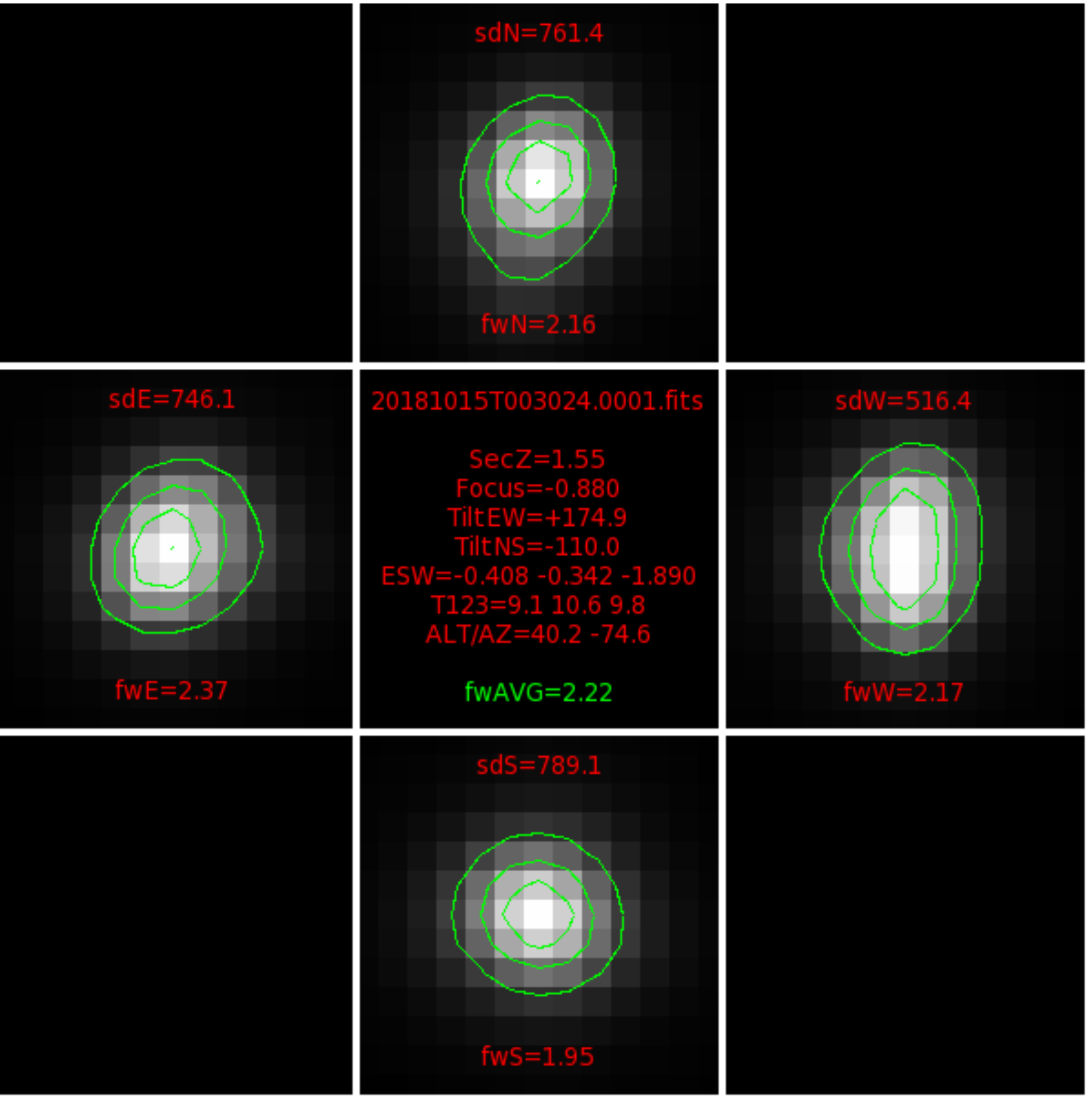
sdN=761.4
fwN=2.16
sdE=746.1
fwE=2.37
20181015T003024.0001.fits
SecZ=1.55
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.1 10.6 9.8
ALT/AZ=40.2 -74.6
fwAVG=2.22
sdW=516.4
fwW=2.17
sdS=789.1
fwS=1.95
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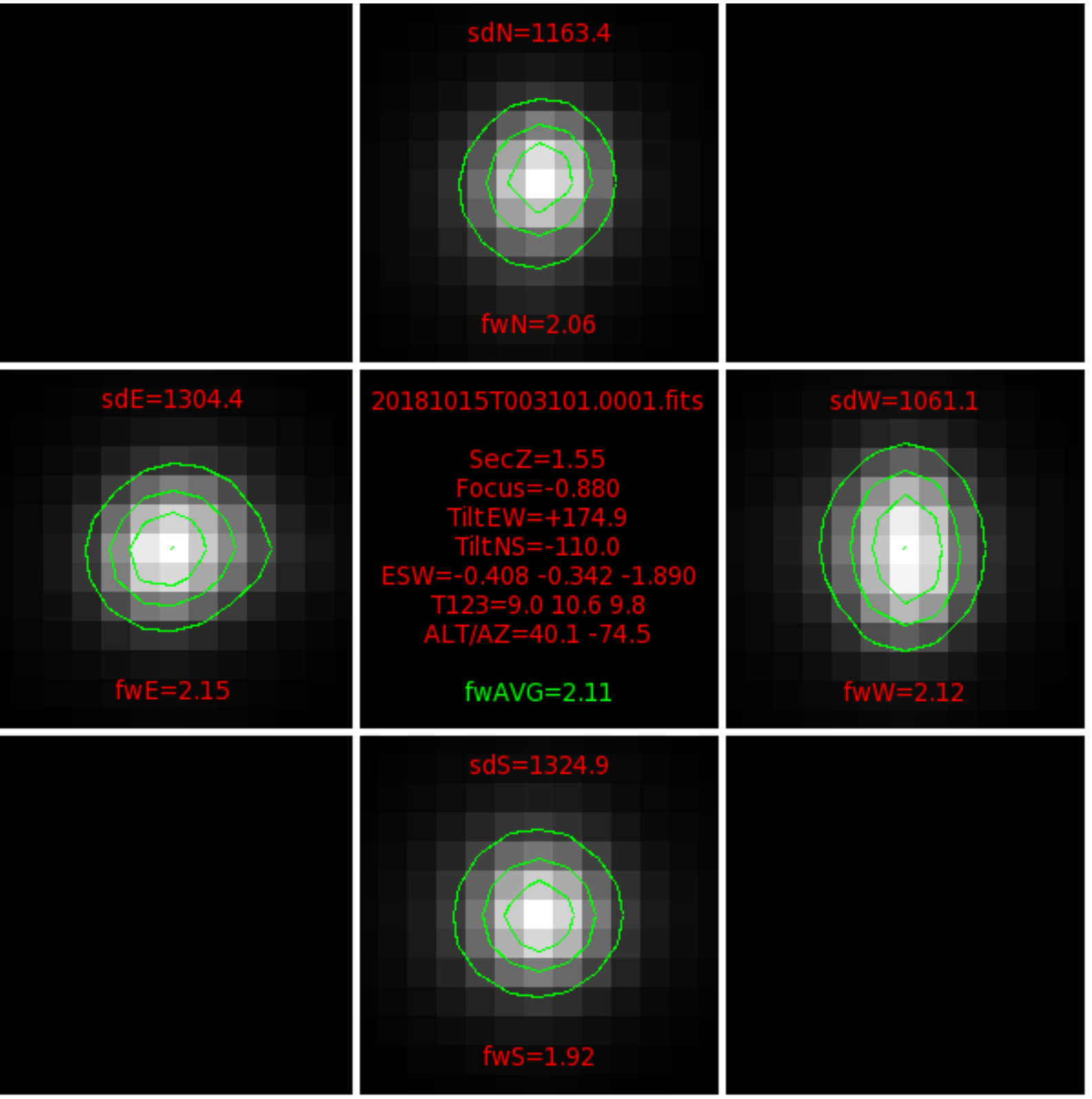
sdN=1163.4
fwN=2.06
sdE=1304.4
fwE=2.15
20181015T003101.0001.fits
SecZ=1.55
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.0 10.6 9.8
ALT/AZ=40.1 -74.5
fwAVG=2.11
sdW=1061.1
fwW=2.12
sdS=1324.9
fwS=1.92
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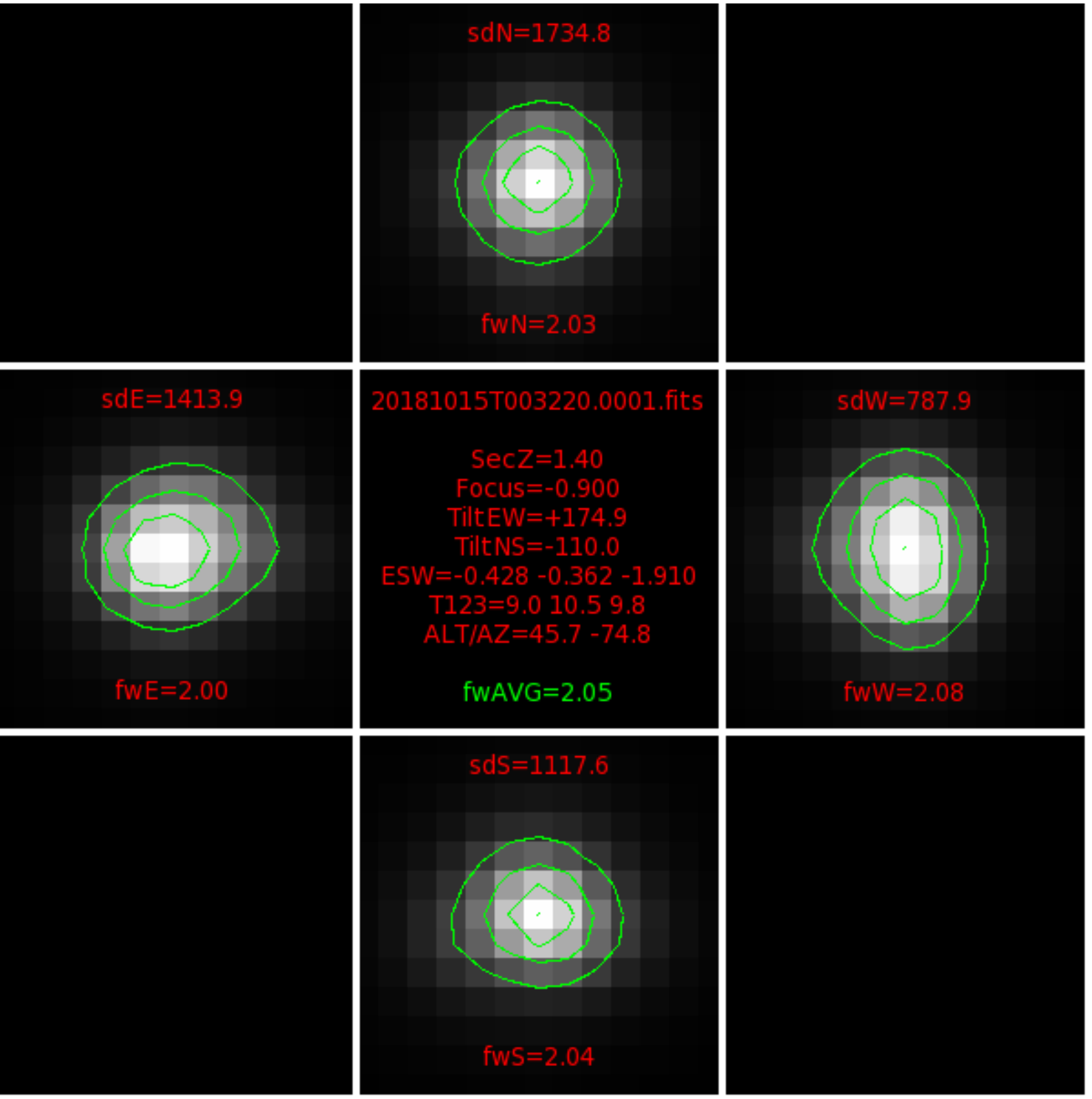
sdN=1734.8
fwN=2.03
sdE=1413.9
fwE=2.00
20181015T003220.0001.fits
SecZ=1.40
Focus=-0.900
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.428 -0.362 -1.910
T123=9.0 10.5 9.8
ALT/AZ=45.7 -74.8
fwAVG=2.05
sdW=787.9
fwW=2.08
sdS=1117.6
fwS=2.04
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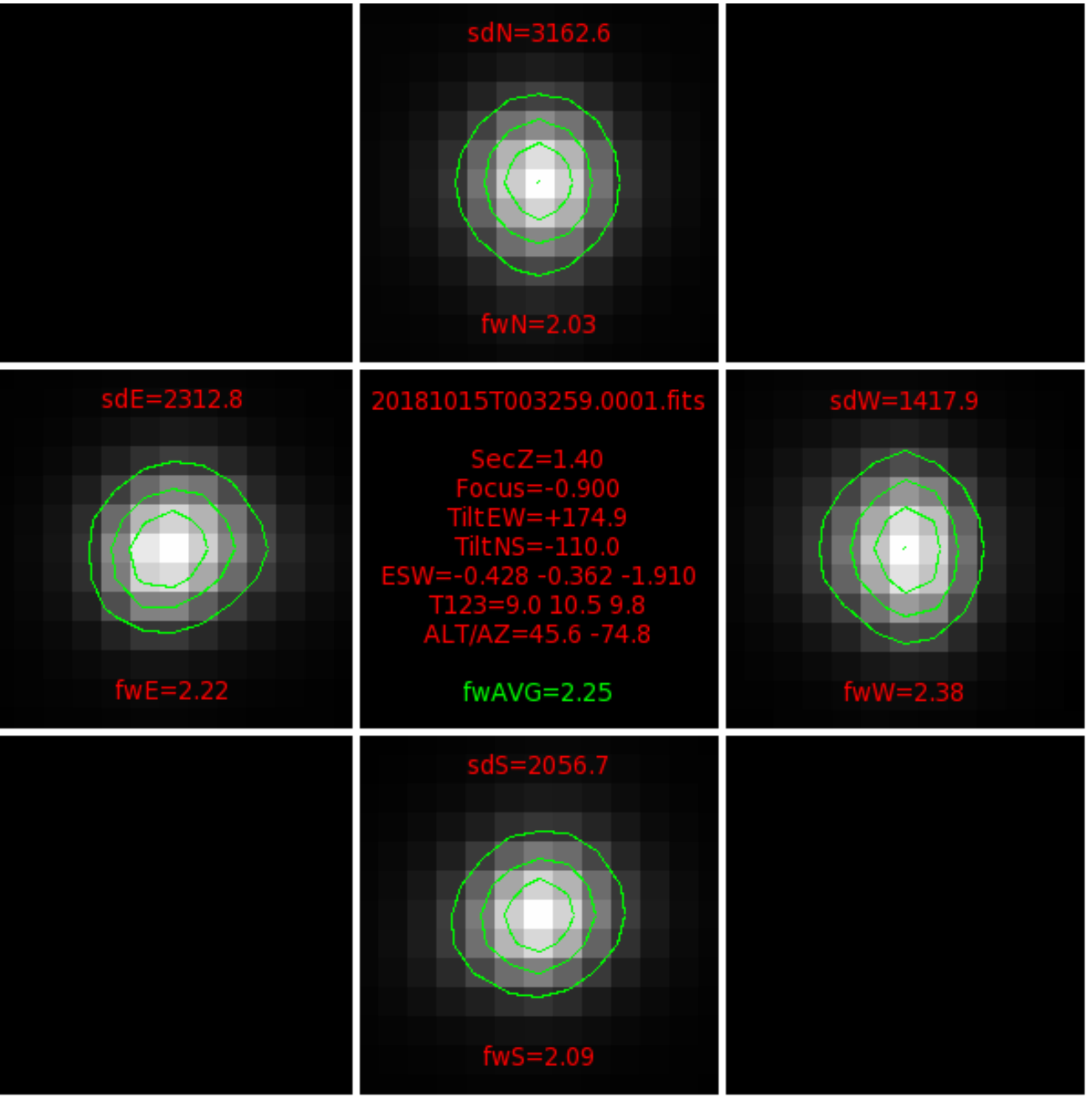
sdN=3162.6
fwN=2.03
sdE=2312.8
fwE=2.22
20181015T003259.0001.fits
SecZ=1.40
Focus=-0.900
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.428 -0.362 -1.910
T123=9.0 10.5 9.8
ALT/AZ=45.6 -74.8
fwAVG=2.25
sdW=1417.9
fwW=2.38
sdS=2056.7
fwS=2.09
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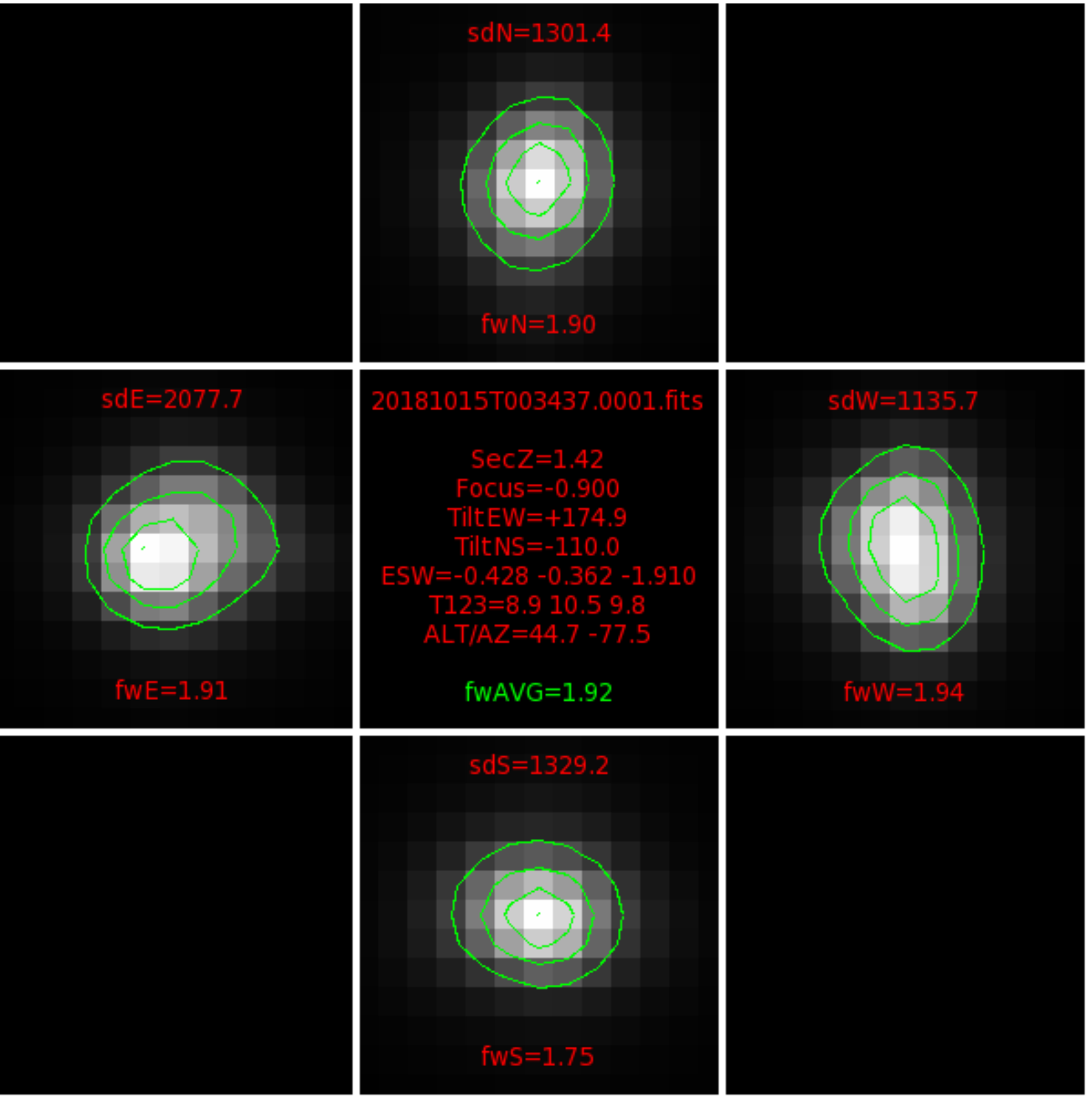
sdN=1301.4
fwN=1.90
sdE=2077.7
fwE=1.91
20181015T003437.0001.fits
SecZ=1.42
Focus=-0.900
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.428 -0.362 -1.910
T123=8.9 10.5 9.8
ALT/AZ=44.7 -77.5
fwAVG=1.92
sdW=1135.7
fwW=1.94
sdS=1329.2
fwS=1.75
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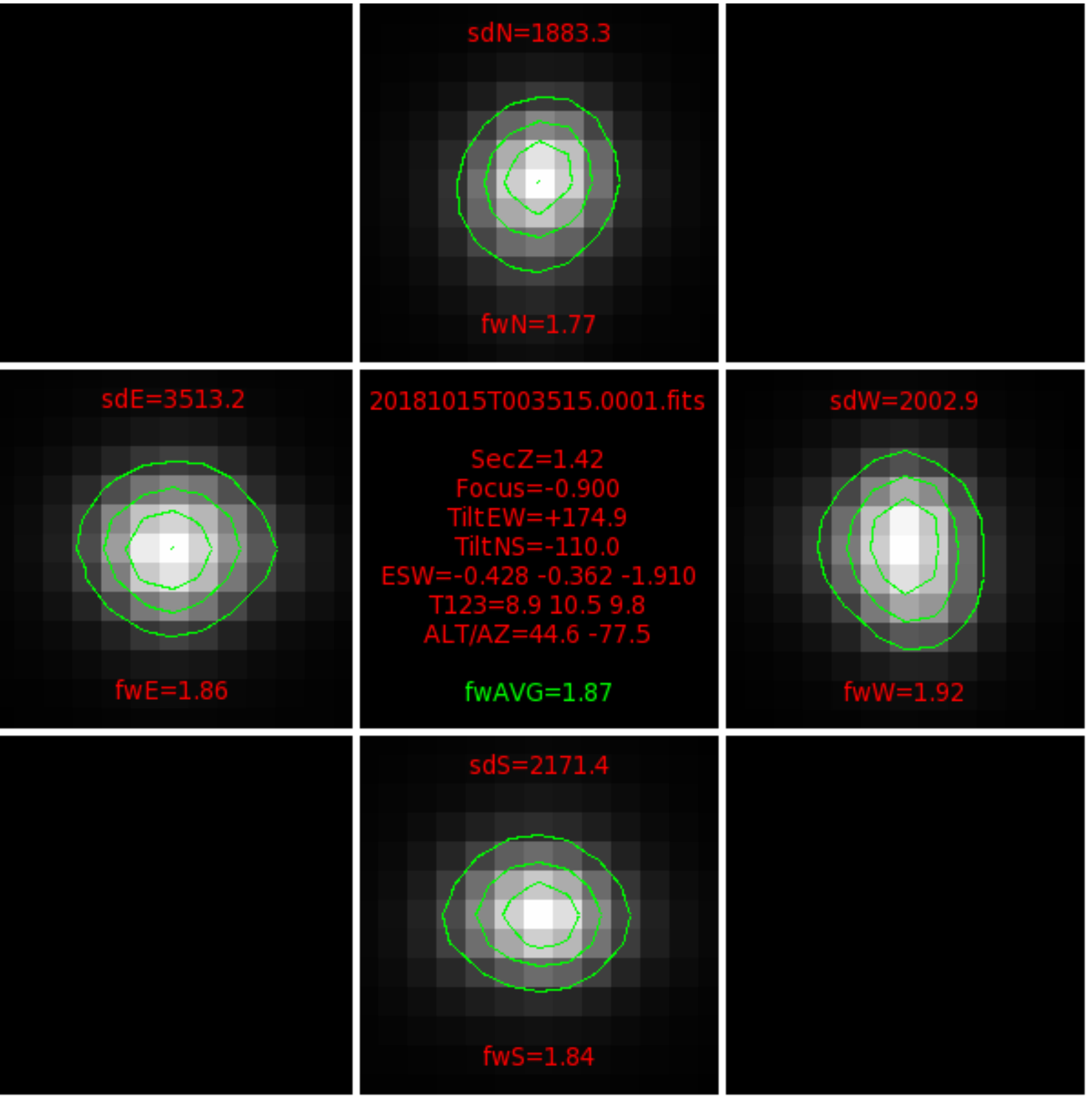
sdN=1883.3
fwN=1.77
sdE=3513.2
fwE=1.86
20181015T003515.0001.fits
SecZ=1.42
Focus=-0.900
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.428 -0.362 -1.910
T123=8.9 10.5 9.8
ALT/AZ=44.6 -77.5
fwAVG=1.87
sdW=2002.9
fwW=1.92
sdS=2171.4
fwS=1.84
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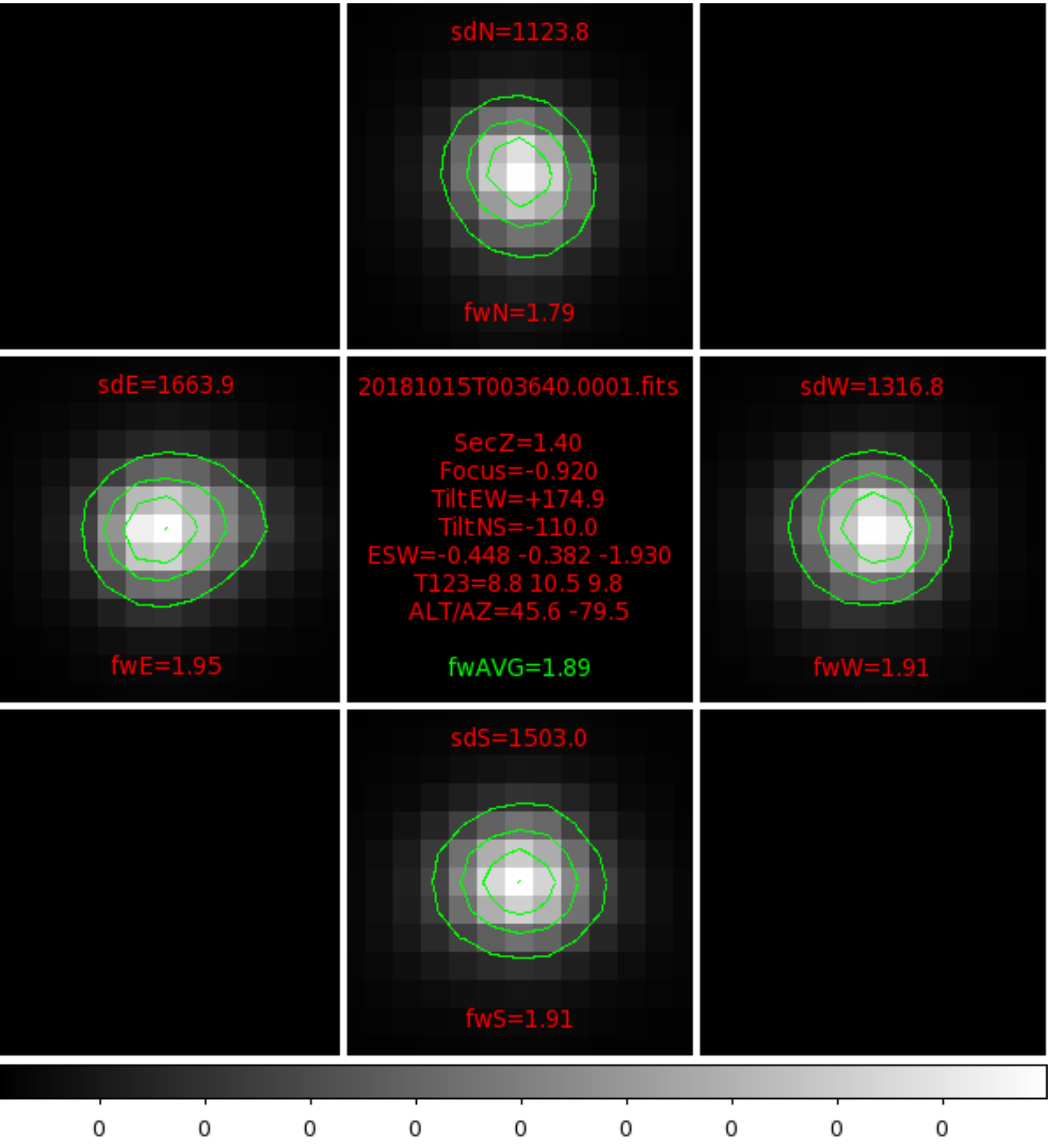
sdN=1123.8
fwN=1.79
sdE=1663.9
fwE=1.95
20181015T003640.0001.fits
SecZ=1.40
Focus=-0.920
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.448 -0.382 -1.930
T123=8.8 10.5 9.8
ALT/AZ=45.6 -79.5
fwAVG=1.89
sdW=1316.8
fwW=1.91
sdS=1503.0
fwS=1.91
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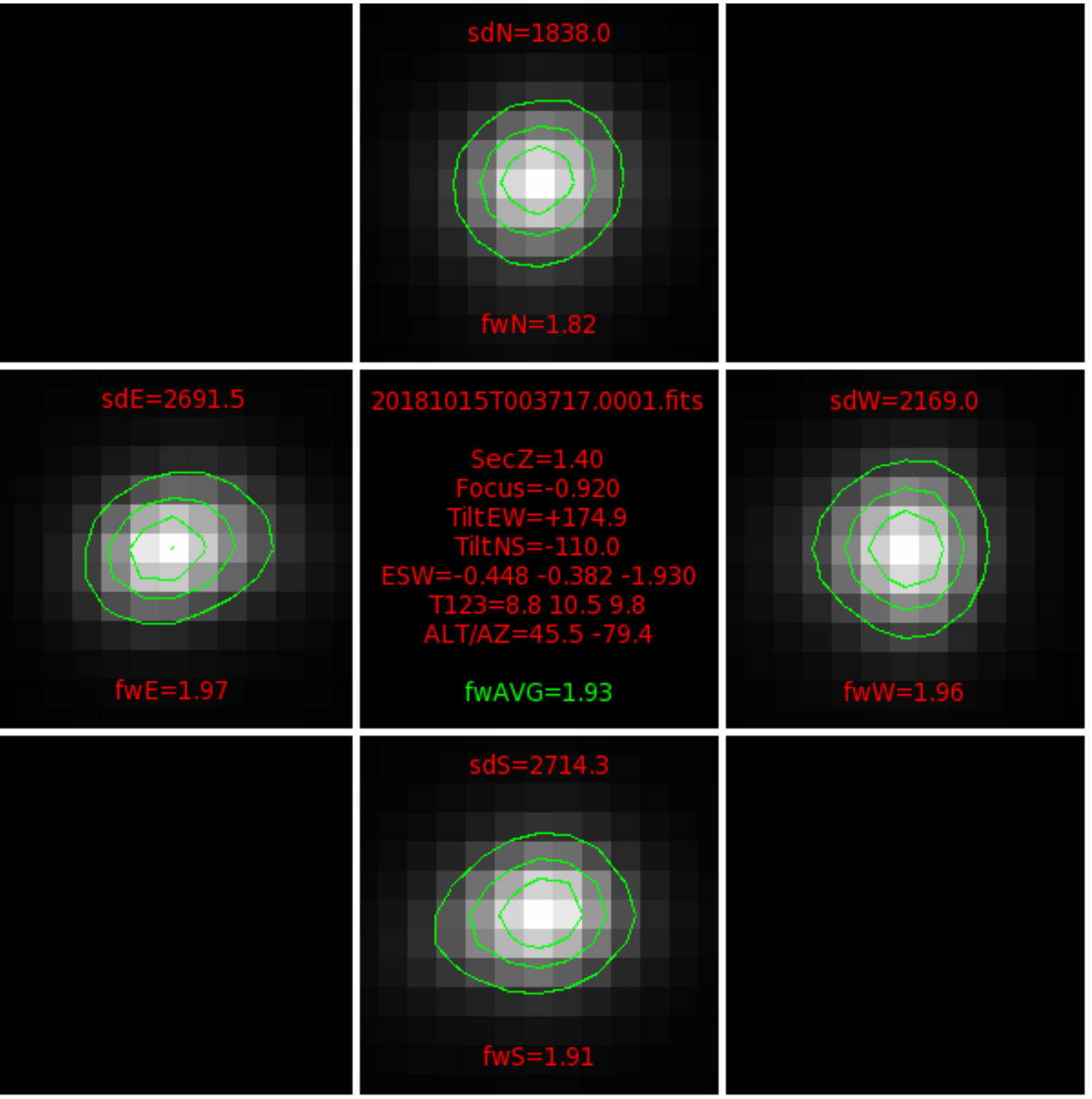
sdN=1838.0
fwN=1.82
sdE=2691.5
fwE=1.97
20181015T003717.0001.fits
SecZ=1.40
Focus=-0.920
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.448 -0.382 -1.930
T123=8.8 10.5 9.8
ALT/AZ=45.5 -79.4
fwAVG=1.93
sdW=2169.0
fwW=1.96
sdS=2714.3
fwS=1.91
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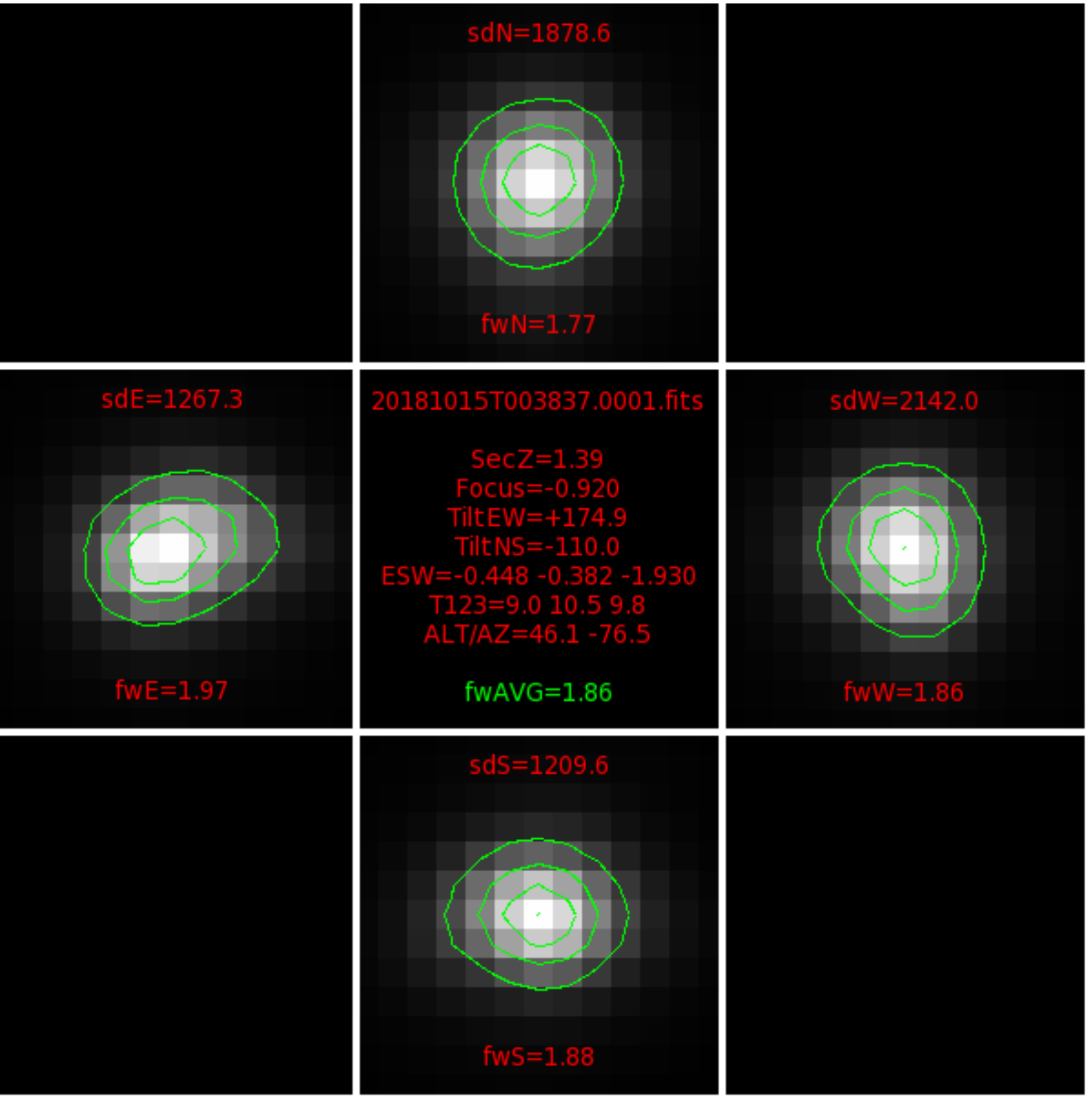
sdN=1878.6
fwN=1.77
sdE=1267.3
fwE=1.97
20181015T003837.0001.fits
SecZ=1.39
Focus=-0.920
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.448 -0.382 -1.930
T123=9.0 10.5 9.8
ALT/AZ=46.1 -76.5
fwAVG=1.86
sdW=2142.0
fwW=1.86
sdS=1209.6
fwS=1.88
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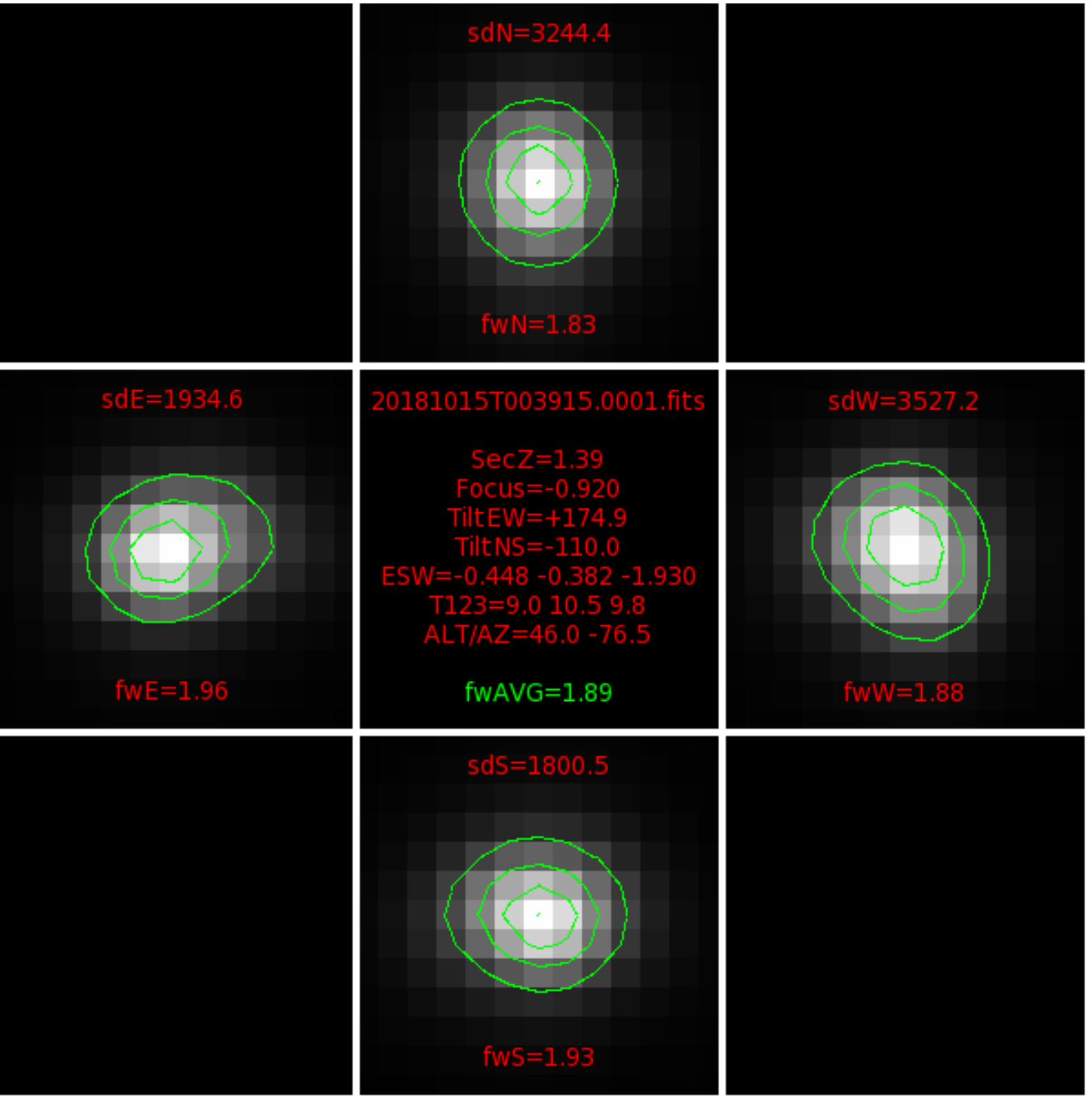
sdN=3244.4
fwN=1.83
sdE=1934.6
fwE=1.96
20181015T003915.0001.fits
SecZ=1.39
Focus=-0.920
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.448 -0.382 -1.930
T123=9.0 10.5 9.8
ALT/AZ=46.0 -76.5
fwAVG=1.89
sdW=3527.2
fwW=1.88
sdS=1800.5
fwS=1.93
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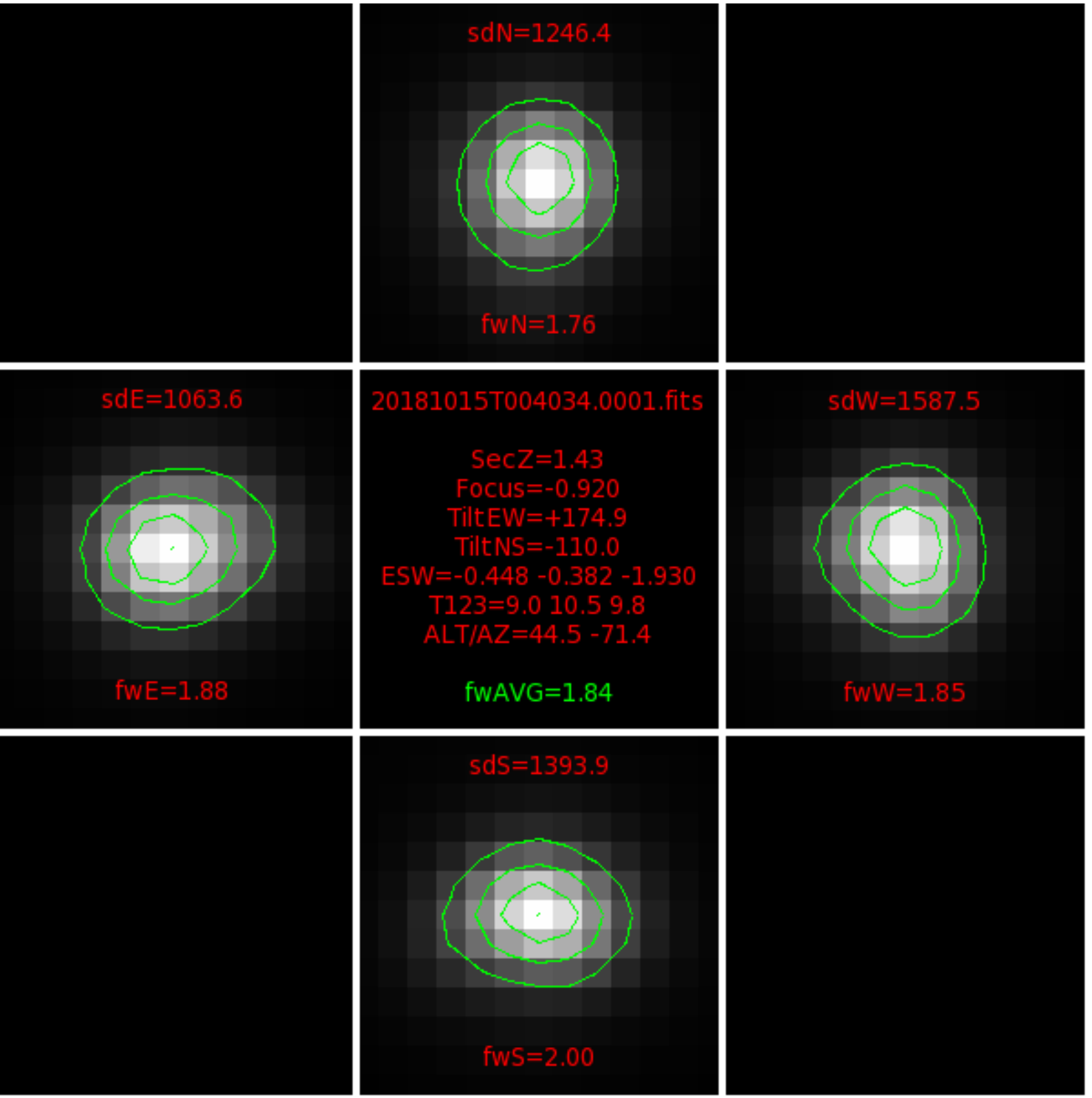
sdN=1246.4
fwN=1.76
sdE=1063.6
fwE=1.88
20181015T004034.0001.fits
SecZ=1.43
Focus=-0.920
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.448 -0.382 -1.930
T123=9.0 10.5 9.8
ALT/AZ=44.5 -71.4
fwAVG=1.84
sdW=1587.5
fwW=1.85
sdS=1393.9
fwS=2.00
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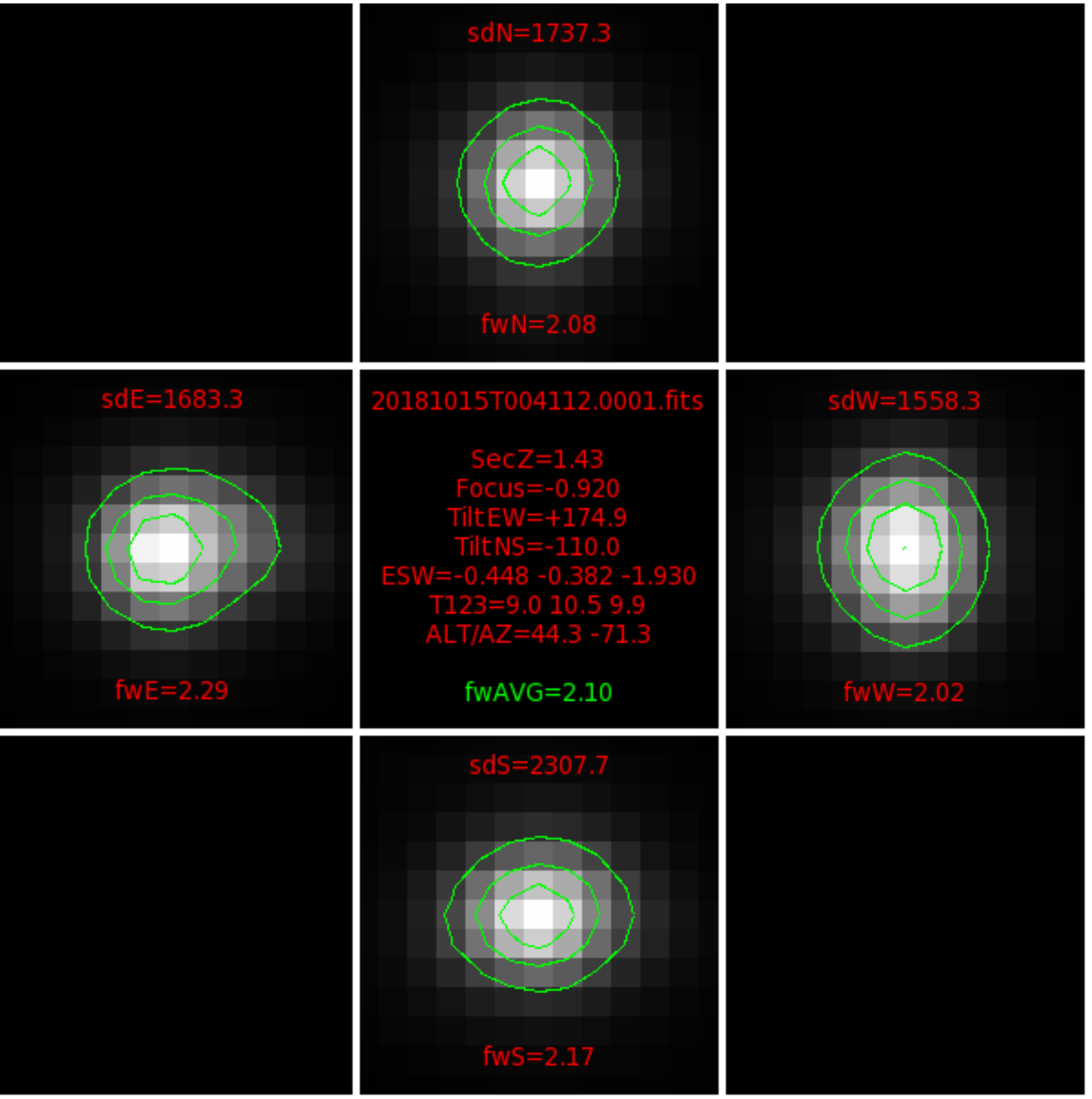
sdN=1737.3
fwN=2.08
sdE=1683.3
fwE=2.29
20181015T004112.0001.fits
SecZ=1.43
Focus=-0.920
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.448 -0.382 -1.930
T123=9.0 10.5 9.9
ALT/AZ=44.3 -71.3
fwAVG=2.10
sdW=1558.3
fwW=2.02
sdS=2307.7
fwS=2.17
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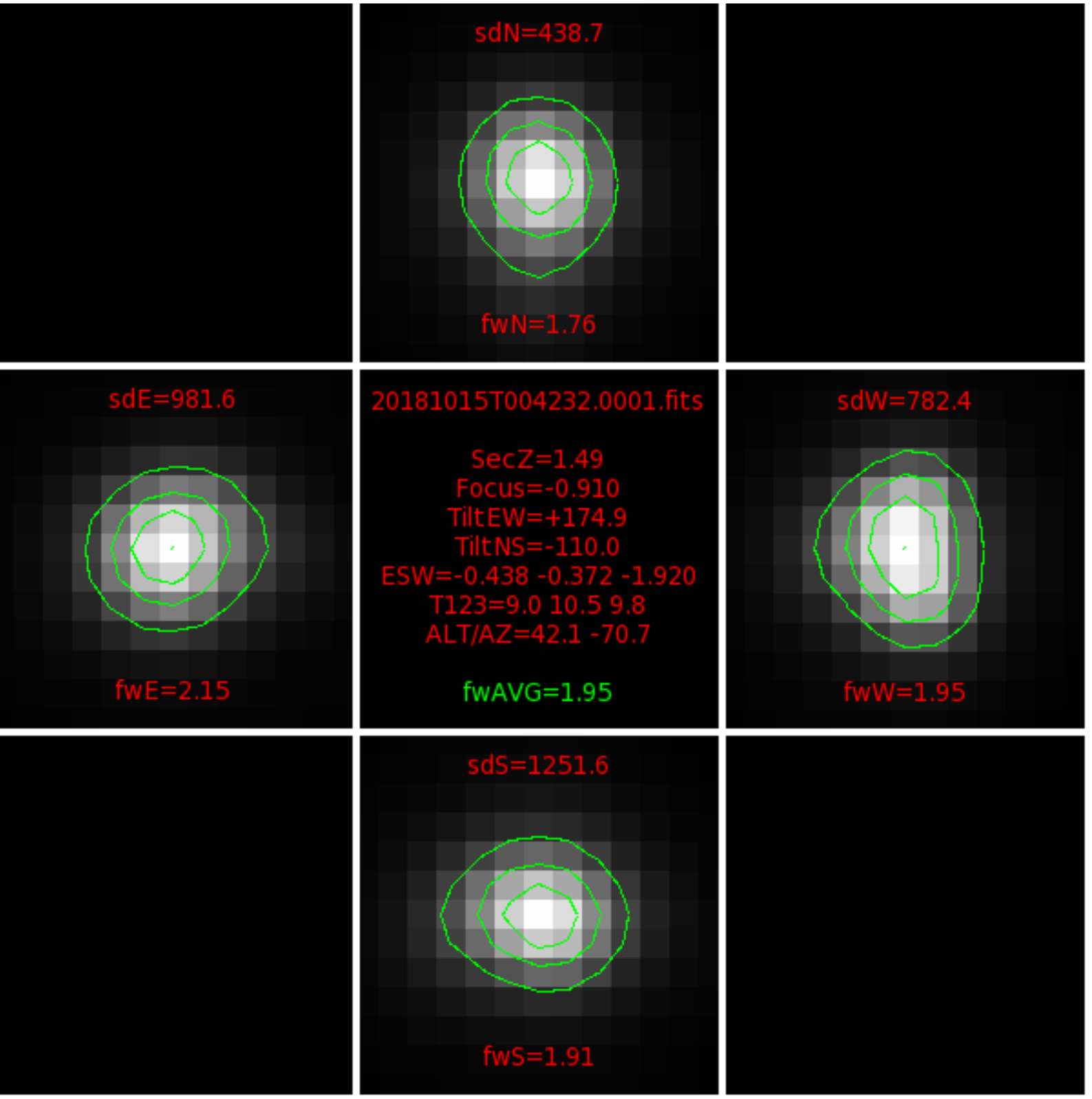
sdN=438.7
fwN=1.76
sdE=981.6
fwE=2.15
20181015T004232.0001.fits
SecZ=1.49
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.0 10.5 9.8
ALT/AZ=42.1 -70.7
fwAVG=1.95
sdW=782.4
fwW=1.95
sdS=1251.6
fwS=1.91
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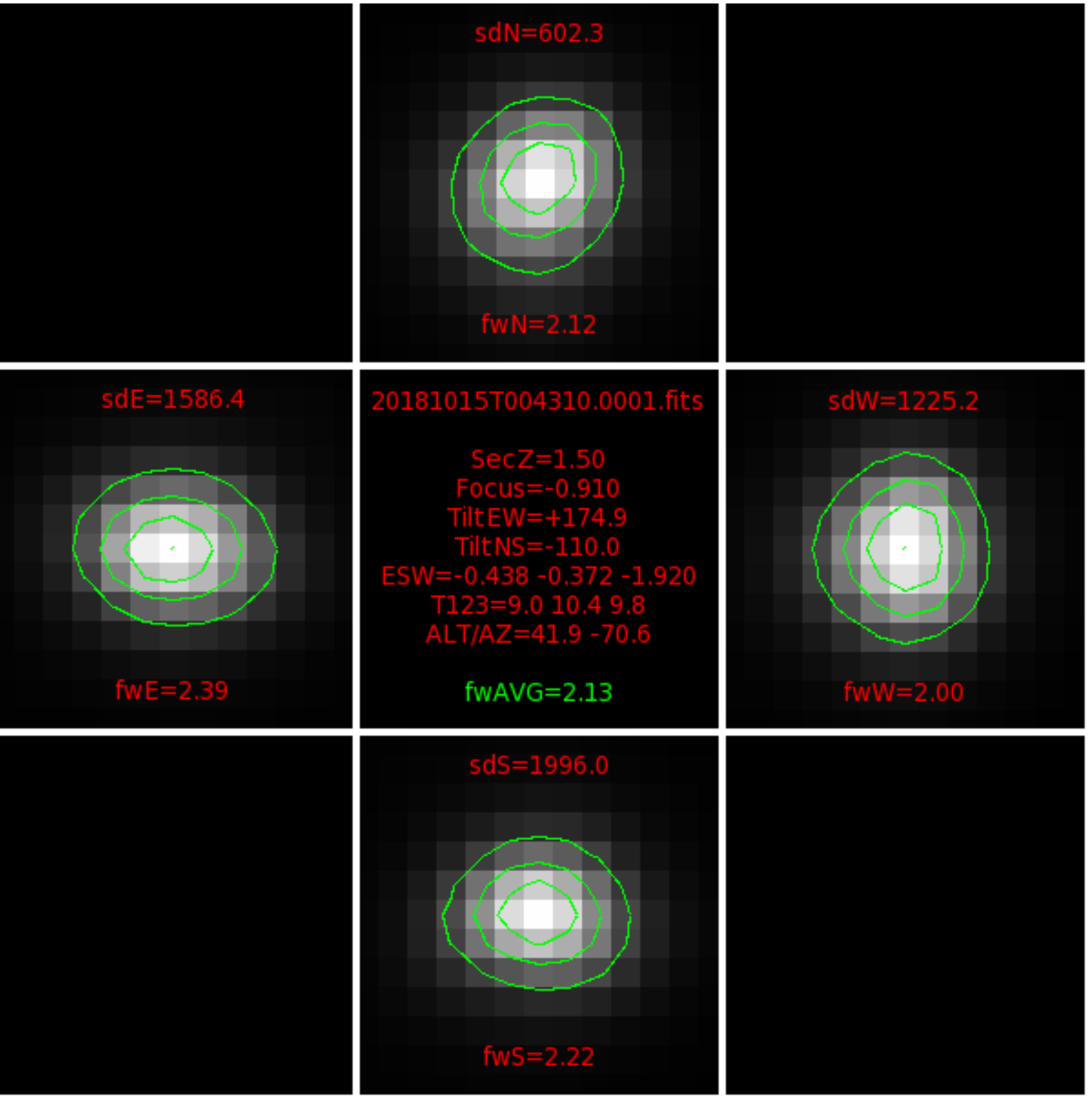
sdN=602.3
fwN=2.12
sdE=1586.4
fwE=2.39
20181015T004310.0001.fits
SecZ=1.50
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.0 10.4 9.8
ALT/AZ=41.9 -70.6
fwAVG=2.13
sdW=1225.2
fwW=2.00
sdS=1996.0
fwS=2.22
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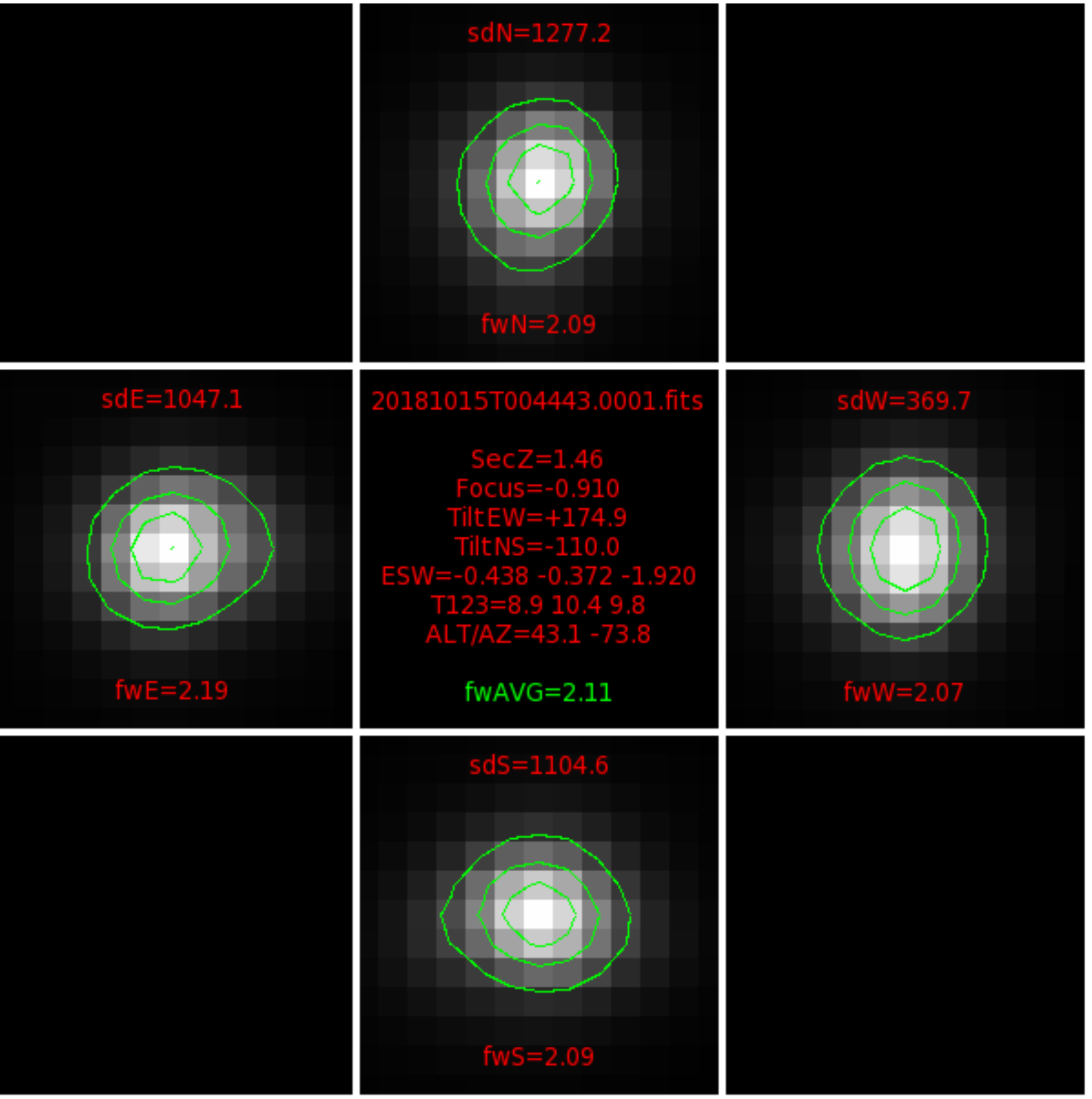
sdN=1277.2
fwN=2.09
sdE=1047.1
fwE=2.19
20181015T004443.0001.fits
SecZ=1.46
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=8.9 10.4 9.8
ALT/AZ=43.1 -73.8
fwAVG=2.11
sdW=369.7
fwW=2.07
sdS=1104.6
fwS=2.09
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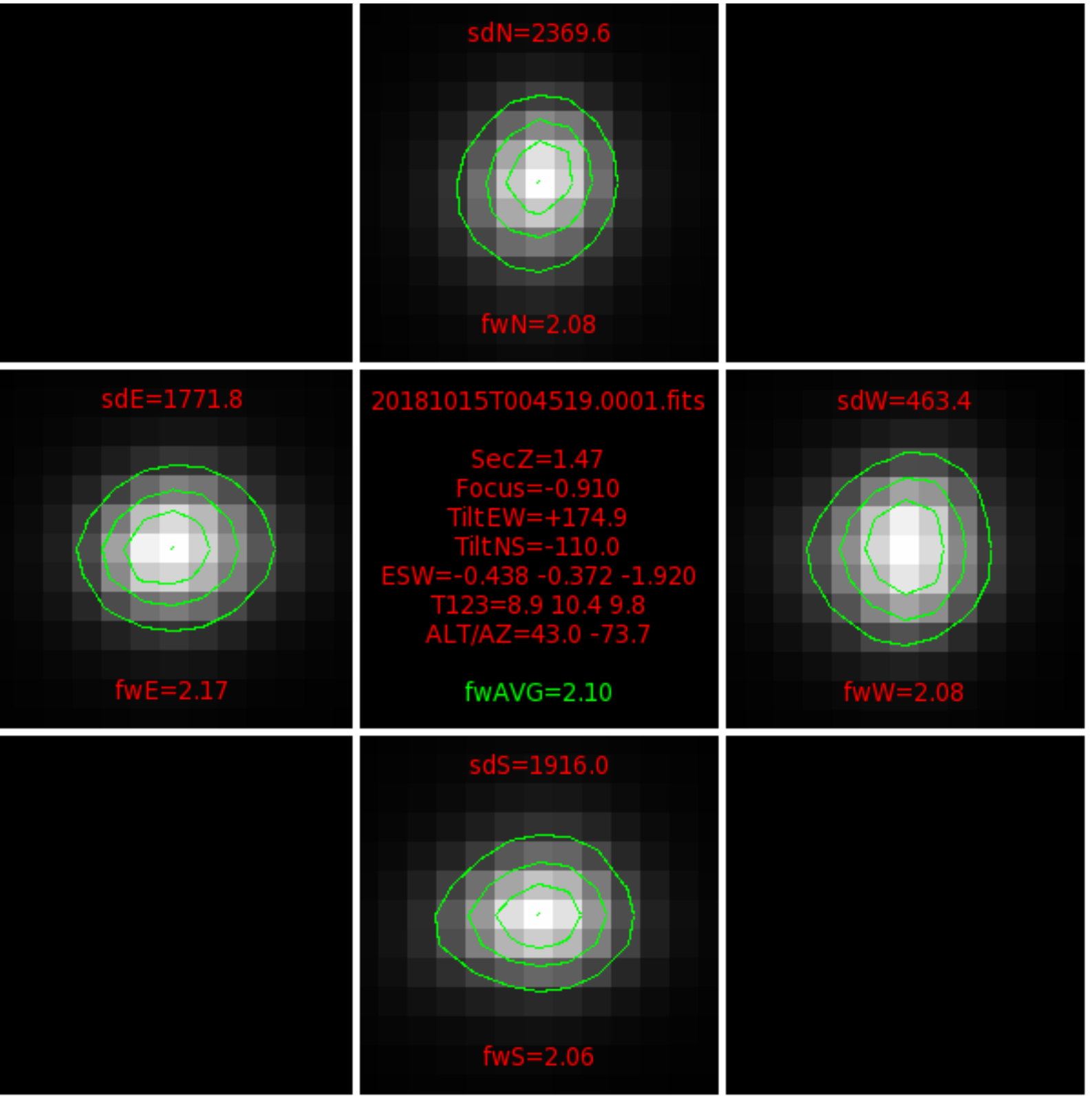
sdN=2369.6
fwN=2.08
sdE=1771.8
fwE=2.17
20181015T004519.0001.fits
SecZ=1.47
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=8.9 10.4 9.8
ALT/AZ=43.0 -73.7
fwAVG=2.10
sdW=463.4
fwW=2.08
sdS=1916.0
fwS=2.06
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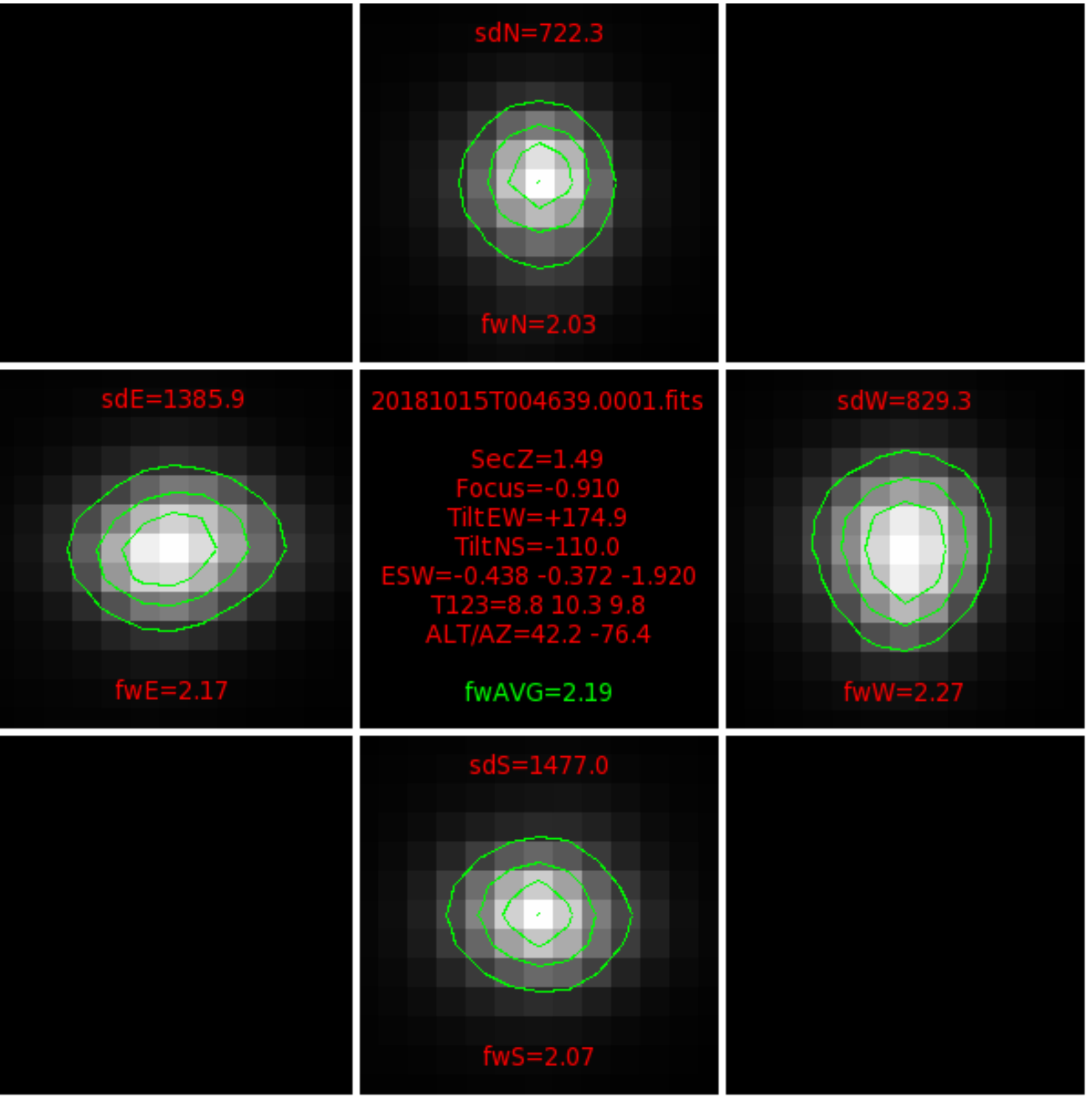
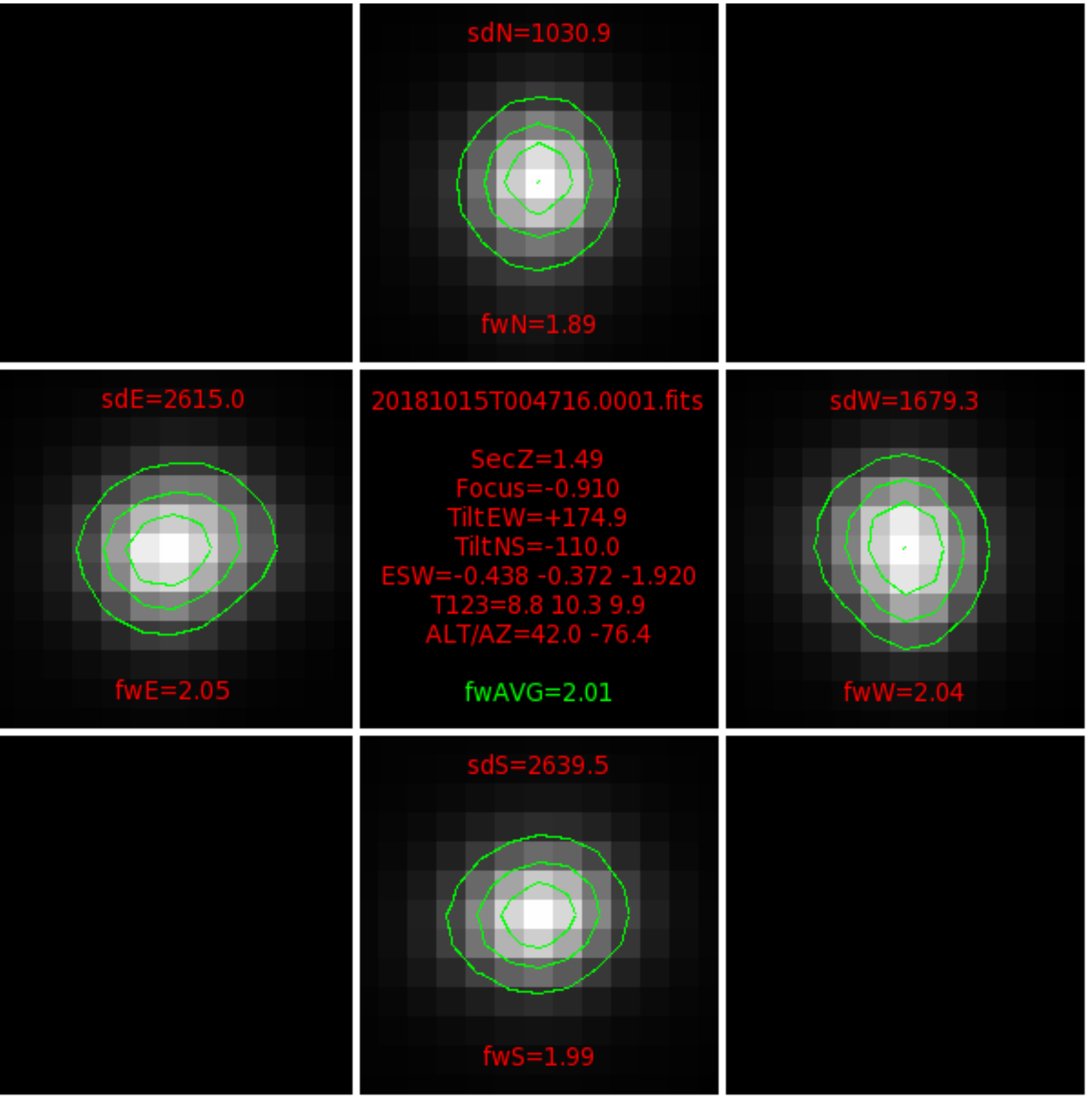

sdN=722.3
fwN=2.03
sdE=1385.9
fwE=2.17
20181015T004639.0001.fits
SecZ=1.49
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=8.8 10.3 9.8
ALT/AZ=42.2 -76.4
fwAVG=2.19
sdW=829.3
fwW=2.27
sdS=1477.0
fwS=2.07
0 0 0 0 0 0 0 0 0


sdN=1030.9
fwN=1.89
sdE=2615.0
fwE=2.05
20181015T004716.0001.fits
SecZ=1.49
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=8.8 10.3 9.9
ALT/AZ=42.0 -76.4
fwAVG=2.01
sdW=1679.3
fwW=2.04
sdS=2639.5
fwS=1.99
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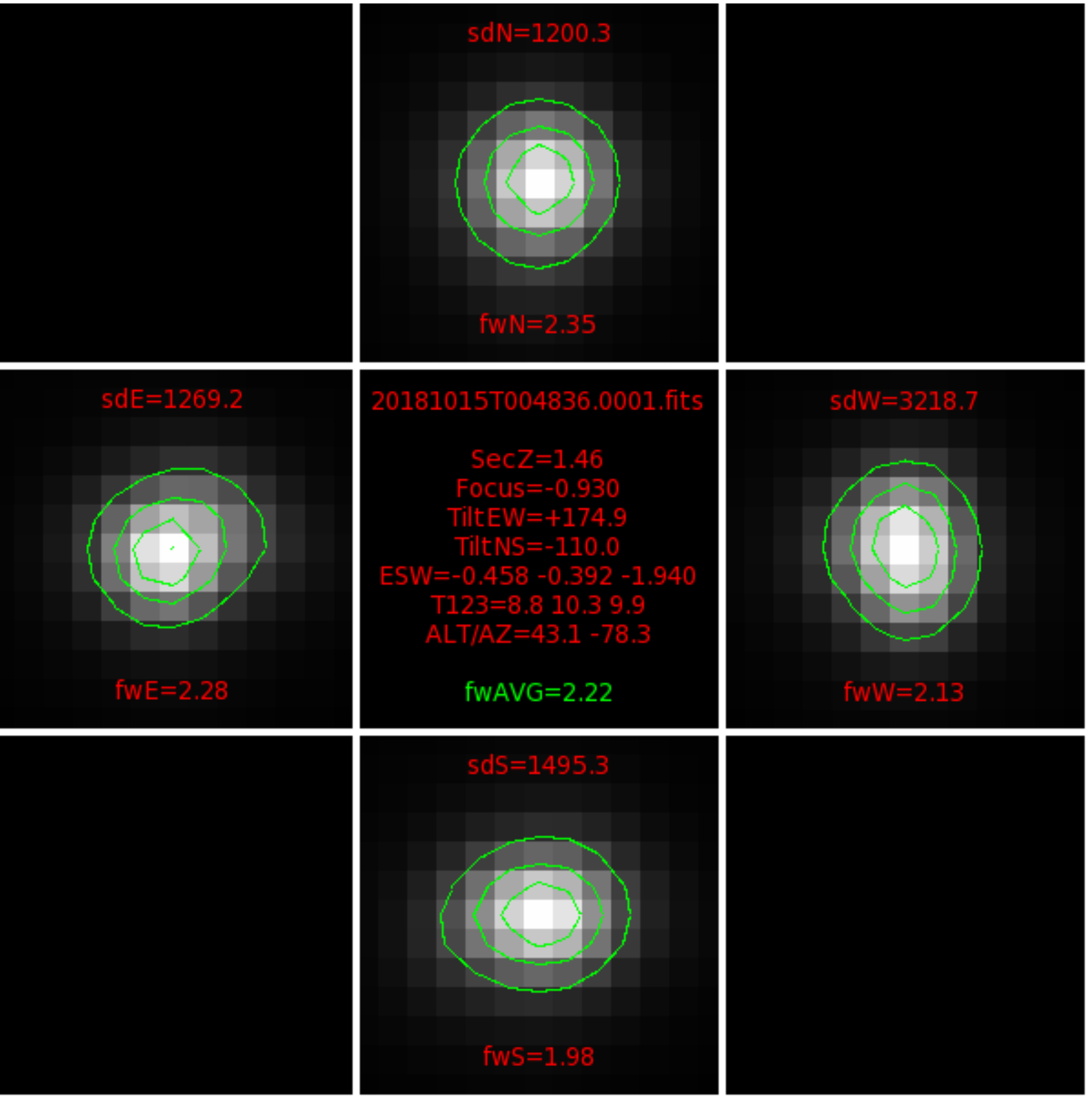
sdN=1200.3
fwN=2.35
sdE=1269.2
fwE=2.28
20181015T004836.0001.fits
SecZ=1.46
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=8.8 10.3 9.9
ALT/AZ=43.1 -78.3
fwAVG=2.22
sdW=3218.7
fwW=2.13
sdS=1495.3
fwS=1.98
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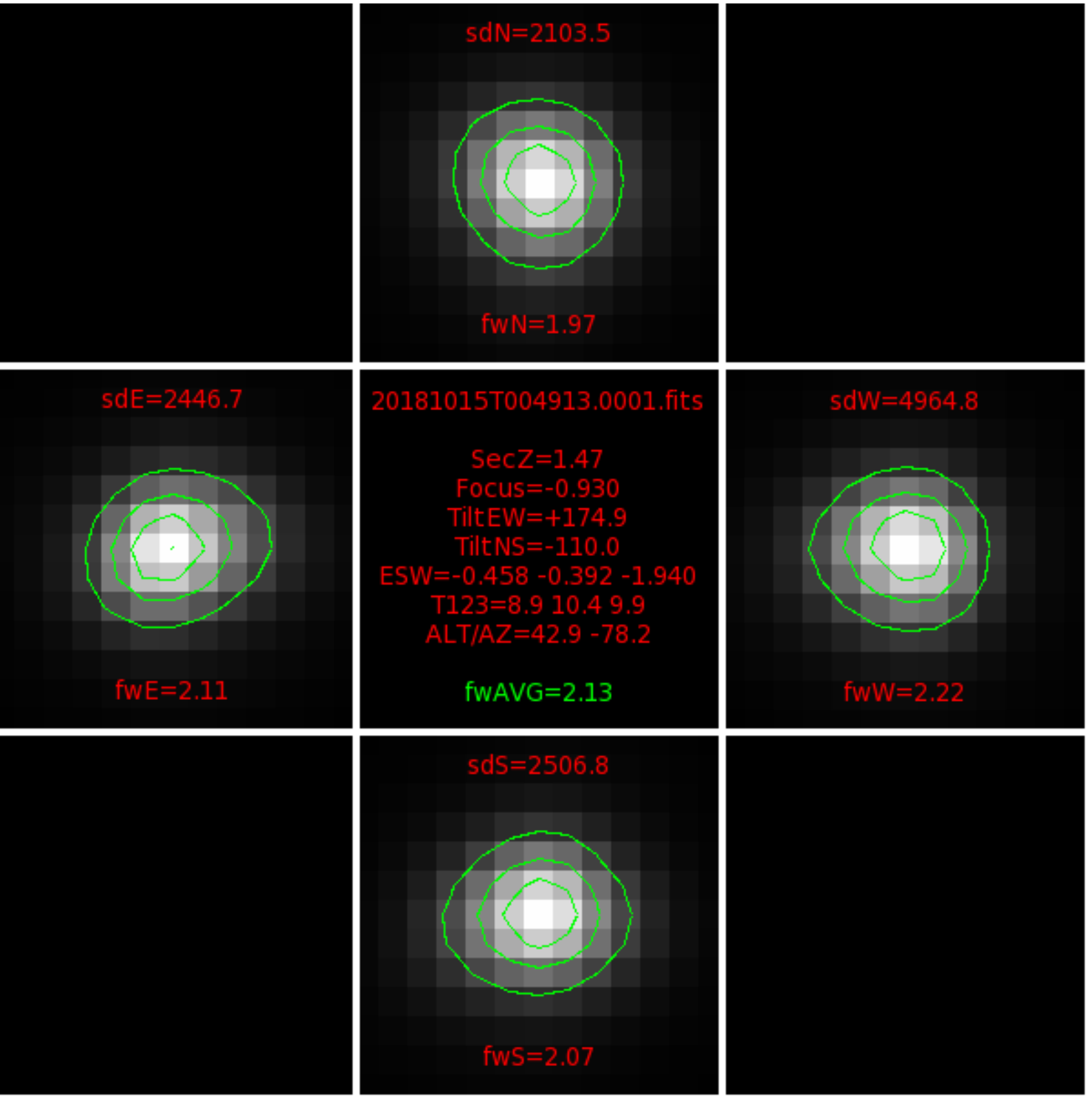
sdN=2103.5
fwN=1.97
sdE=2446.7
fwE=2.11
20181015T004913.0001.fits
SecZ=1.47
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=8.9 10.4 9.9
ALT/AZ=42.9 -78.2
fwAVG=2.13
sdW=4964.8
fwW=2.22
sdS=2506.8
fwS=2.07
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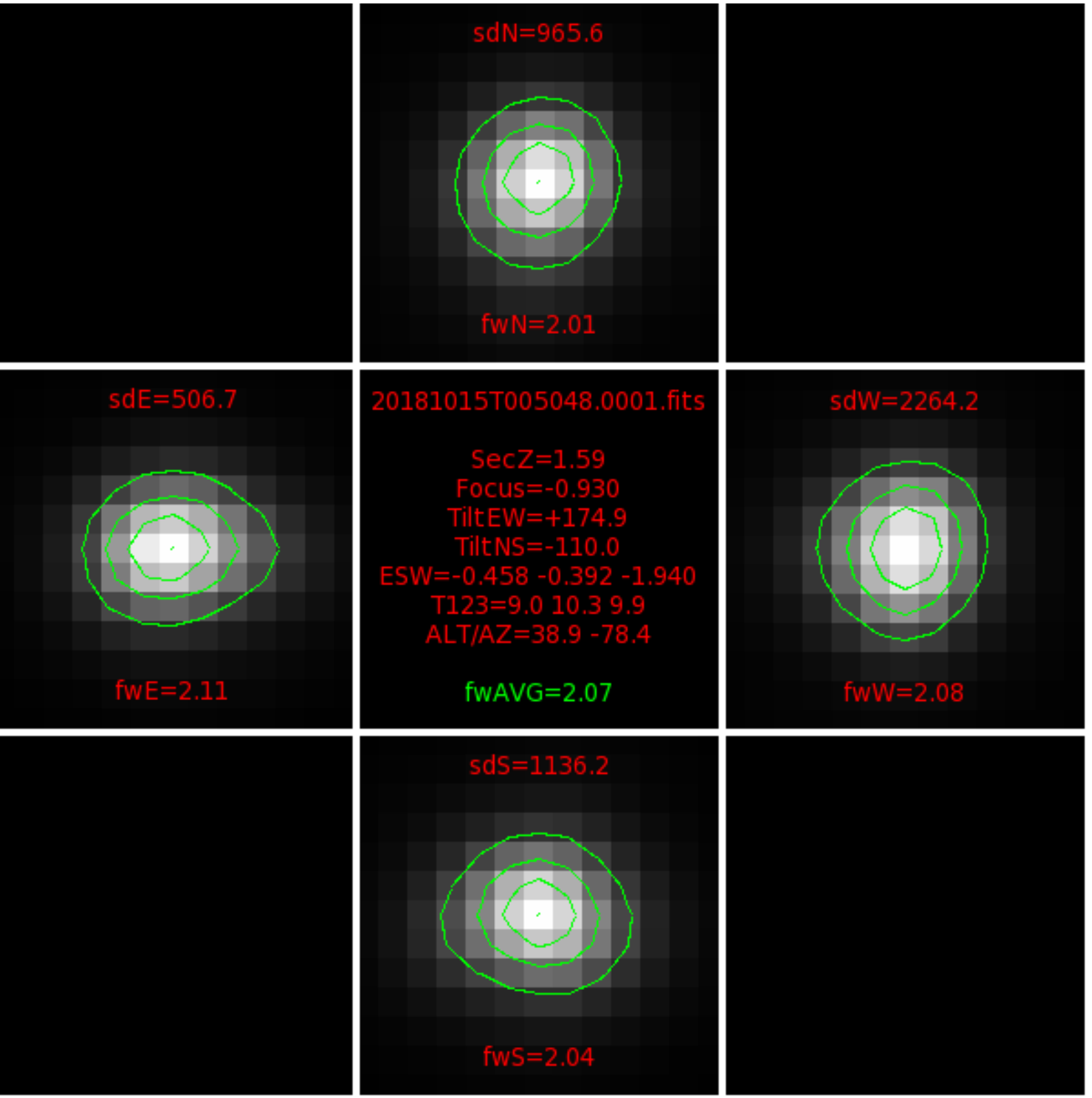
sdN=965.6
fwN=2.01
sdE=506.7
fwE=2.11
20181015T005048.0001.fits
SecZ=1.59
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.0 10.3 9.9
ALT/AZ=38.9 -78.4
fwAVG=2.07
sdW=2264.2
fwW=2.08
sdS=1136.2
fwS=2.04
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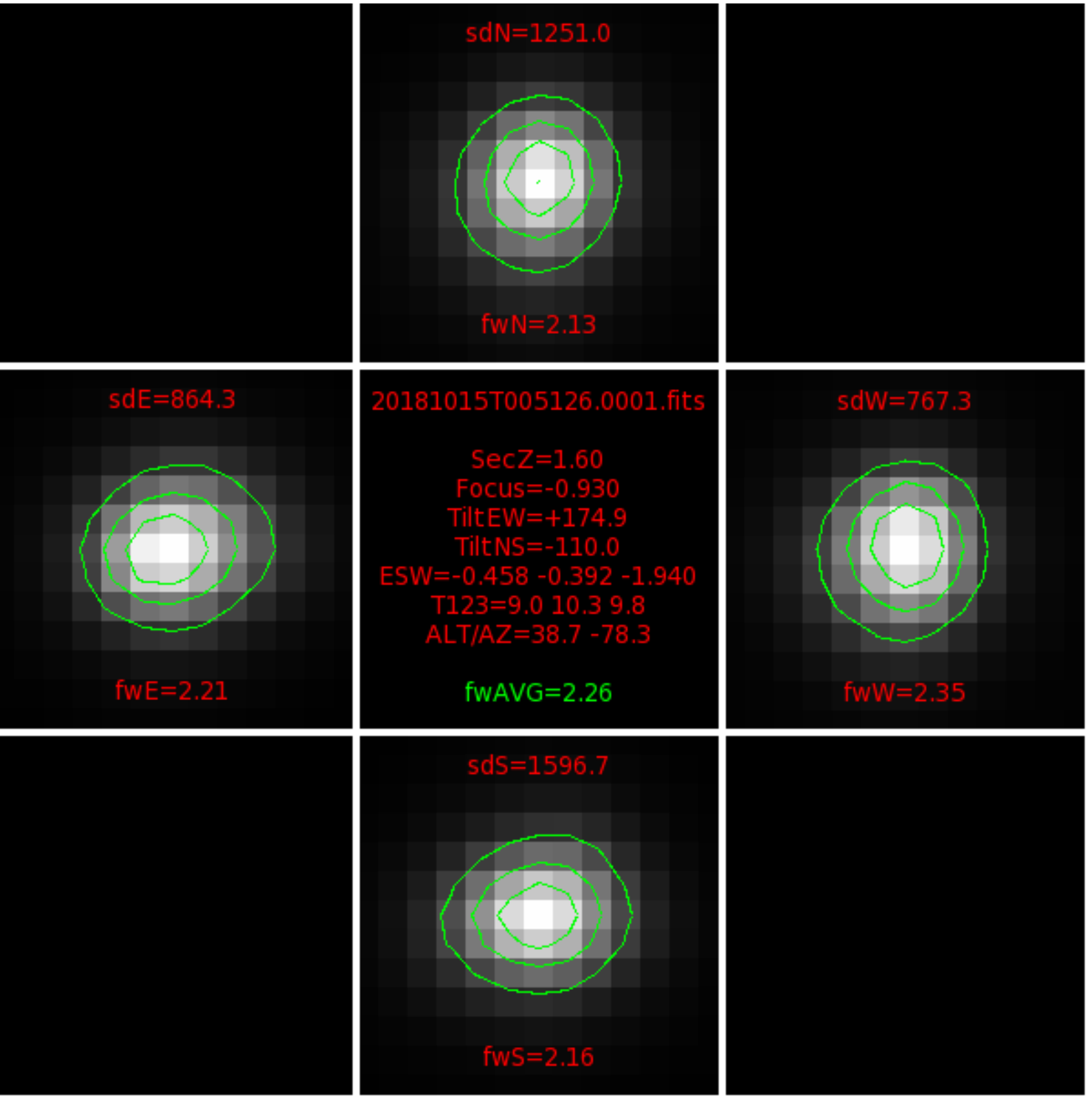
sdN=1251.0
fwN=2.13
sdE=864.3
fwE=2.21
20181015T005126.0001.fits
SecZ=1.60
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.0 10.3 9.8
ALT/AZ=38.7 -78.3
fwAVG=2.26
sdW=767.3
fwW=2.35
sdS=1596.7
fwS=2.16
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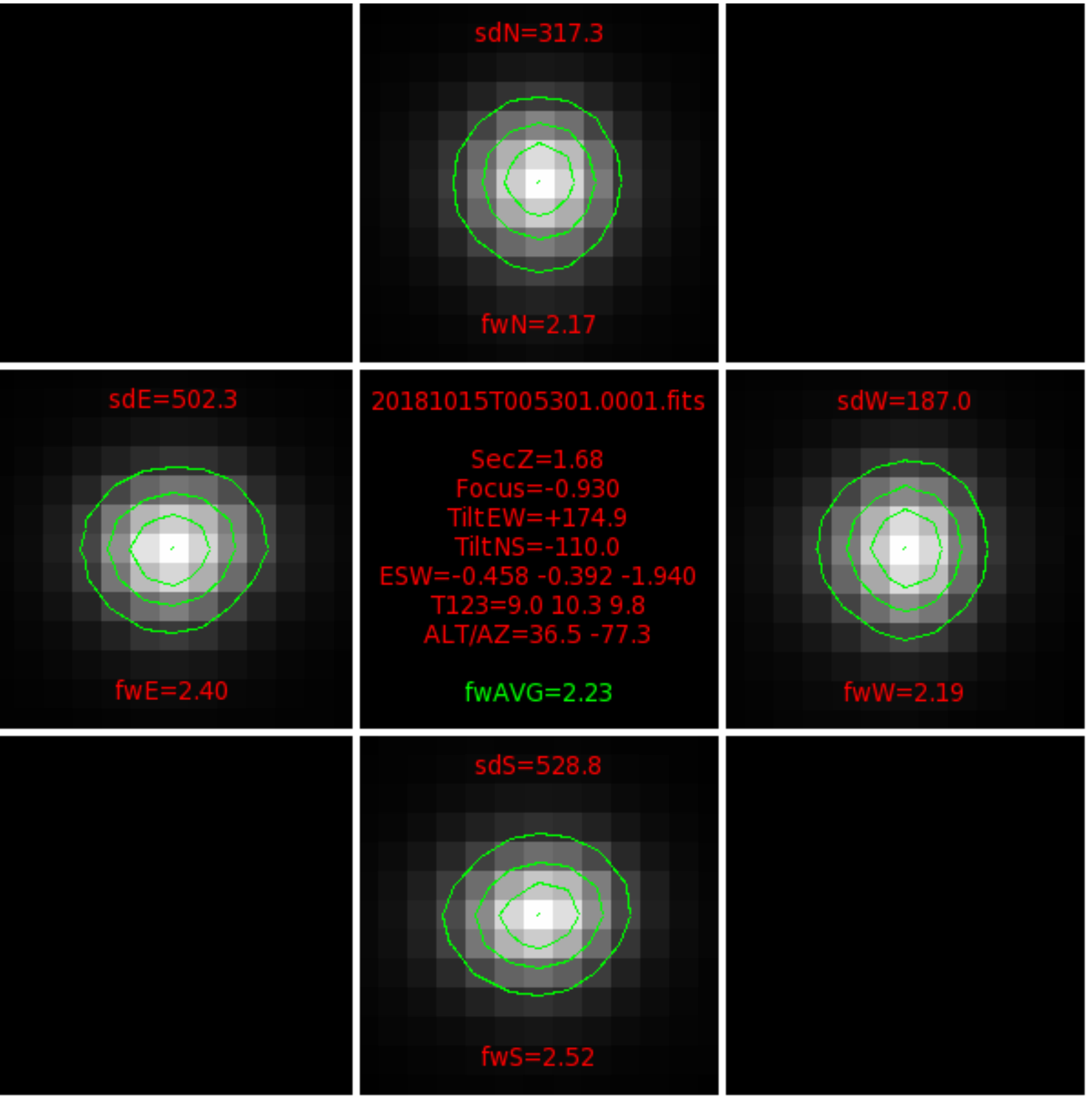
sdN=317.3
fwN=2.17
sdE=502.3
fwE=2.40
20181015T005301.0001.fits
SecZ=1.68
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.0 10.3 9.8
ALT/AZ=36.5 -77.3
fwAVG=2.23
sdW=187.0
fwW=2.19
sdS=528.8
fwS=2.52
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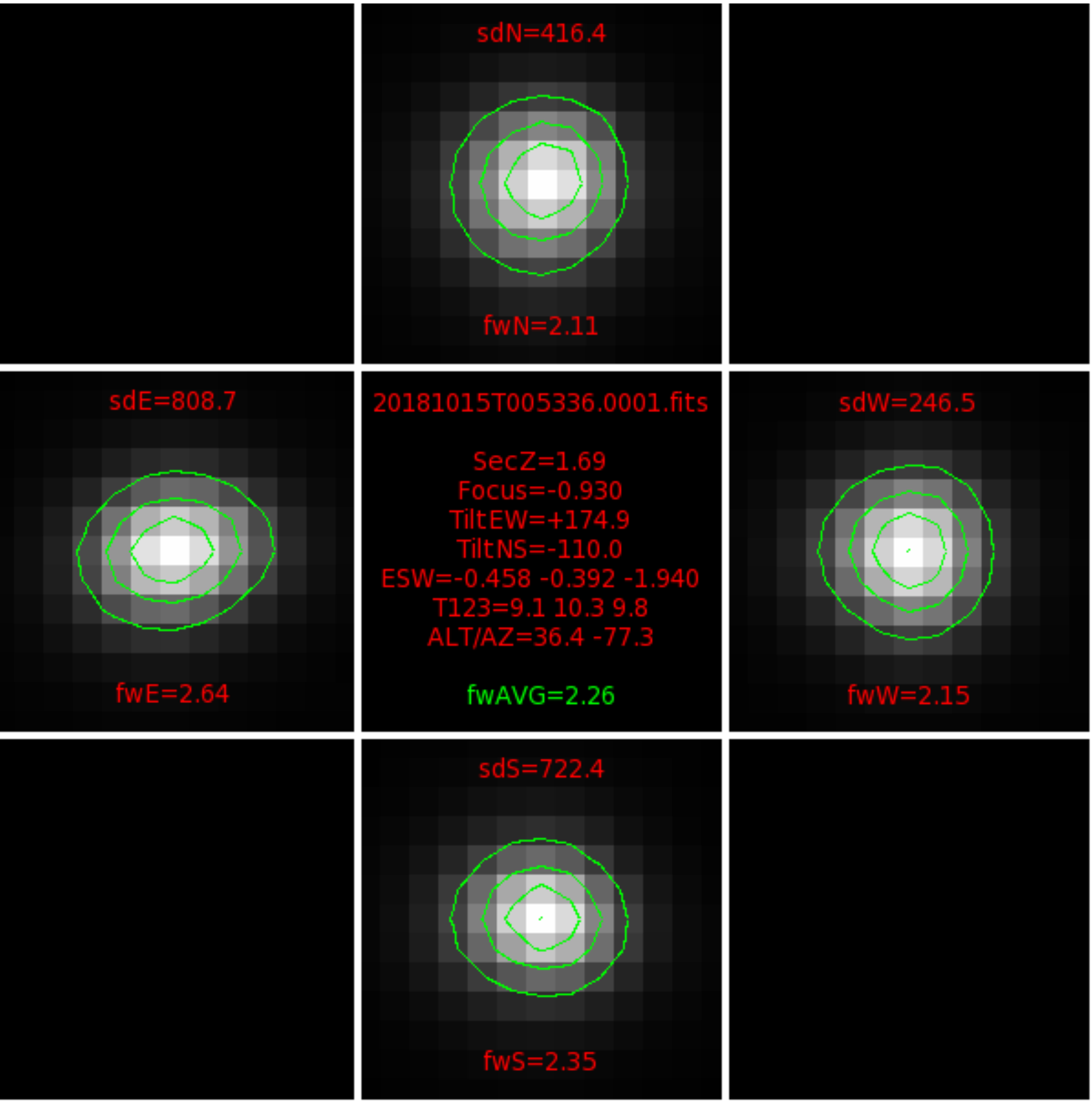
sdN=416.4
fwN=2.11
sdE=808.7
fwE=2.64
20181015T005336.0001.fits
SecZ=1.69
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.1 10.3 9.8
ALT/AZ=36.4 -77.3
fwAVG=2.26
sdW=246.5
fwW=2.15
sdS=722.4
fwS=2.35
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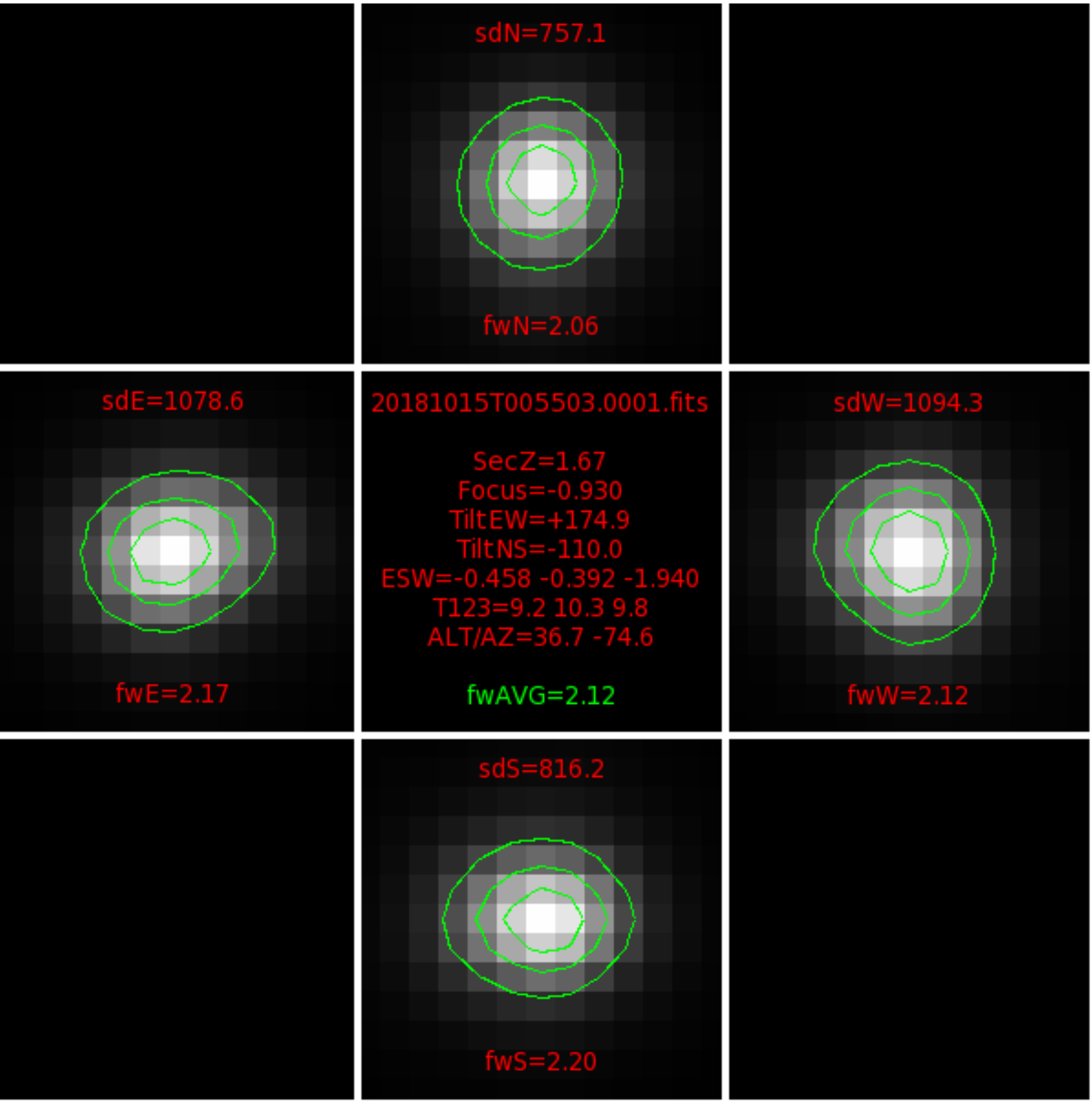
sdN=757.1
fwN=2.06
sdE=1078.6
fwE=2.17
20181015T005503.0001.fits
SecZ=1.67
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.2 10.3 9.8
ALT/AZ=36.7 -74.6
fwAVG=2.12
sdW=1094.3
fwW=2.12
sdS=816.2
fwS=2.20
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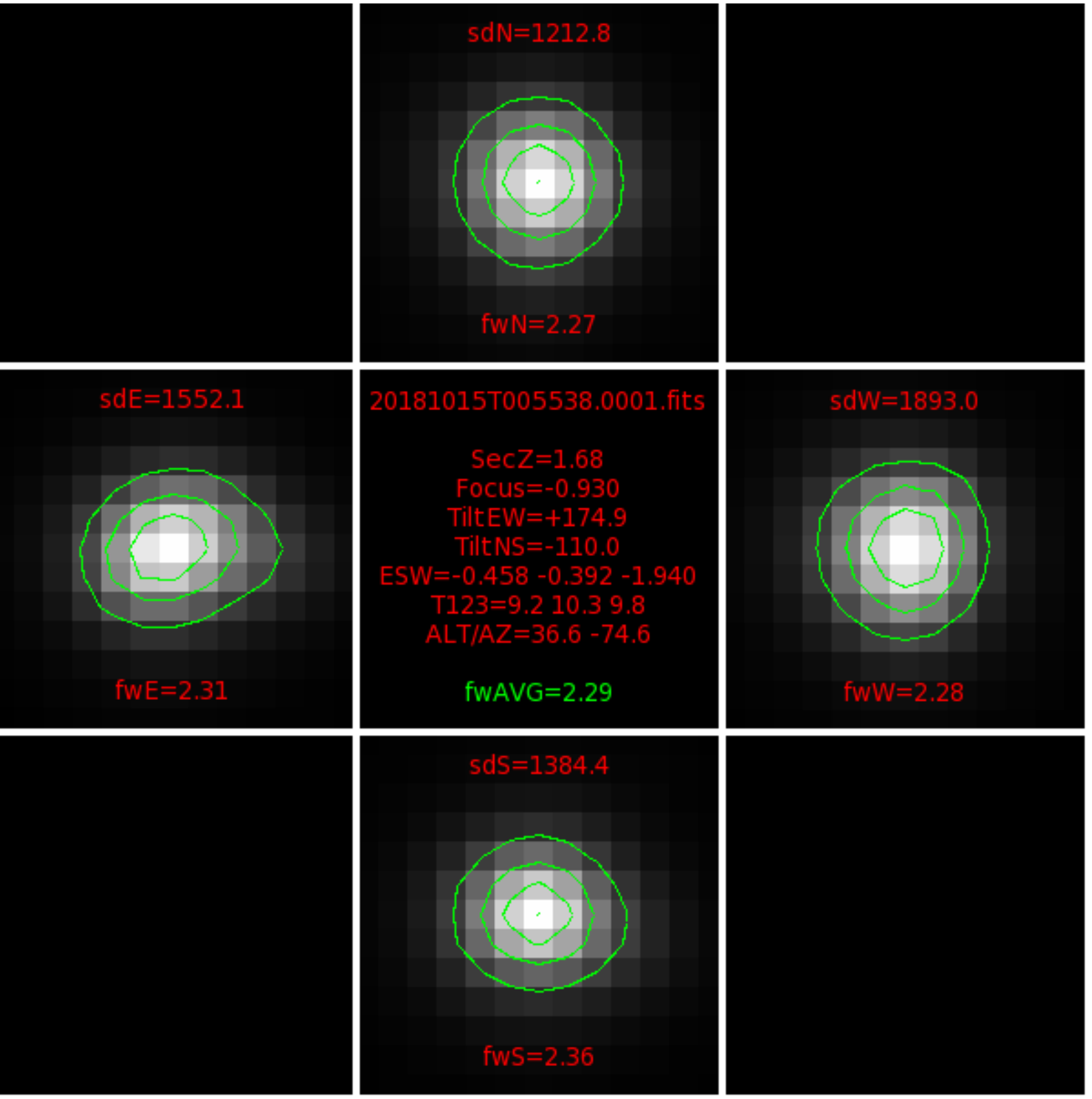
sdN=1212.8
fwN=2.27
sdE=1552.1
fwE=2.31
20181015T005538.0001.fits
SecZ=1.68
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.2 10.3 9.8
ALT/AZ=36.6 -74.6
fwAVG=2.29
sdW=1893.0
fwW=2.28
sdS=1384.4
fwS=2.36
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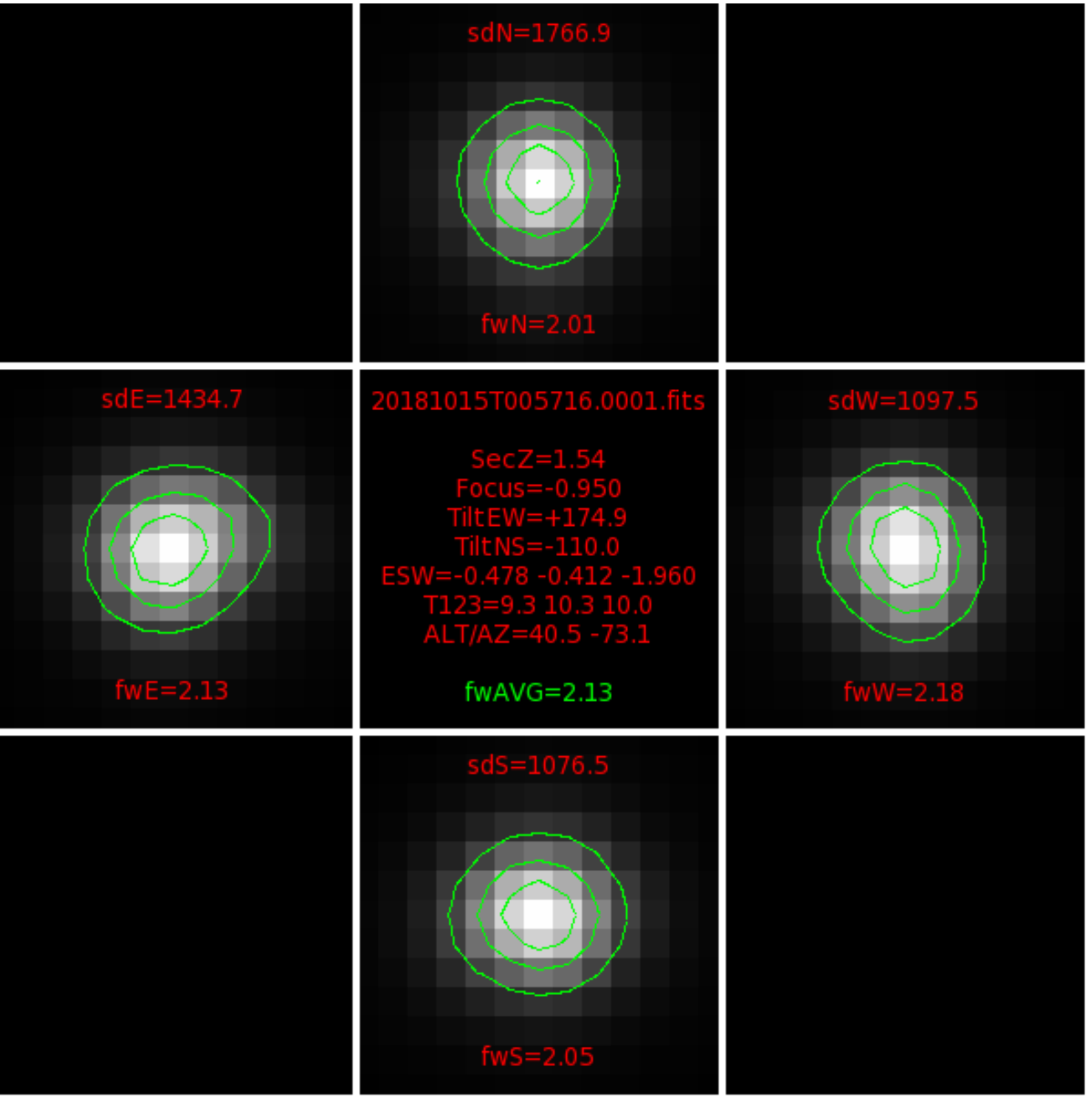
sdN=1766.9
fwN=2.01
sdE=1434.7
fwE=2.13
20181015T005716.0001.fits
SecZ=1.54
Focus=-0.950
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.478 -0.412 -1.960
T123=9.3 10.3 10.0
ALT/AZ=40.5 -73.1
fwAVG=2.13
sdW=1097.5
fwW=2.18
sdS=1076.5
fwS=2.05
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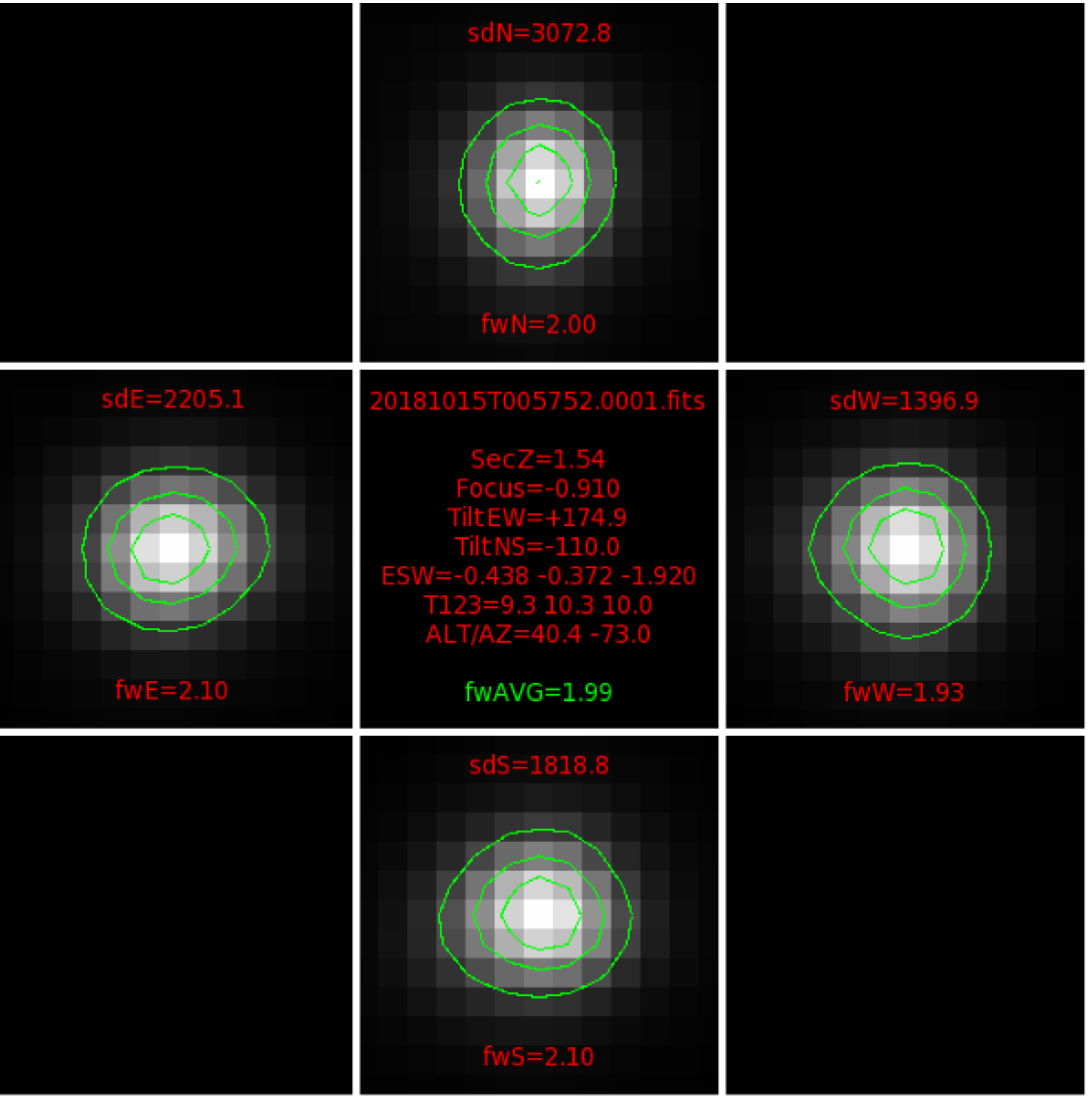
sdN=3072.8
fwN=2.00
sdE=2205.1
fwE=2.10
20181015T005752.0001.fits
SecZ=1.54
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.3 10.3 10.0
ALT/AZ=40.4 -73.0
fwAVG=1.99
sdW=1396.9
fwW=1.93
sdS=1818.8
fwS=2.10
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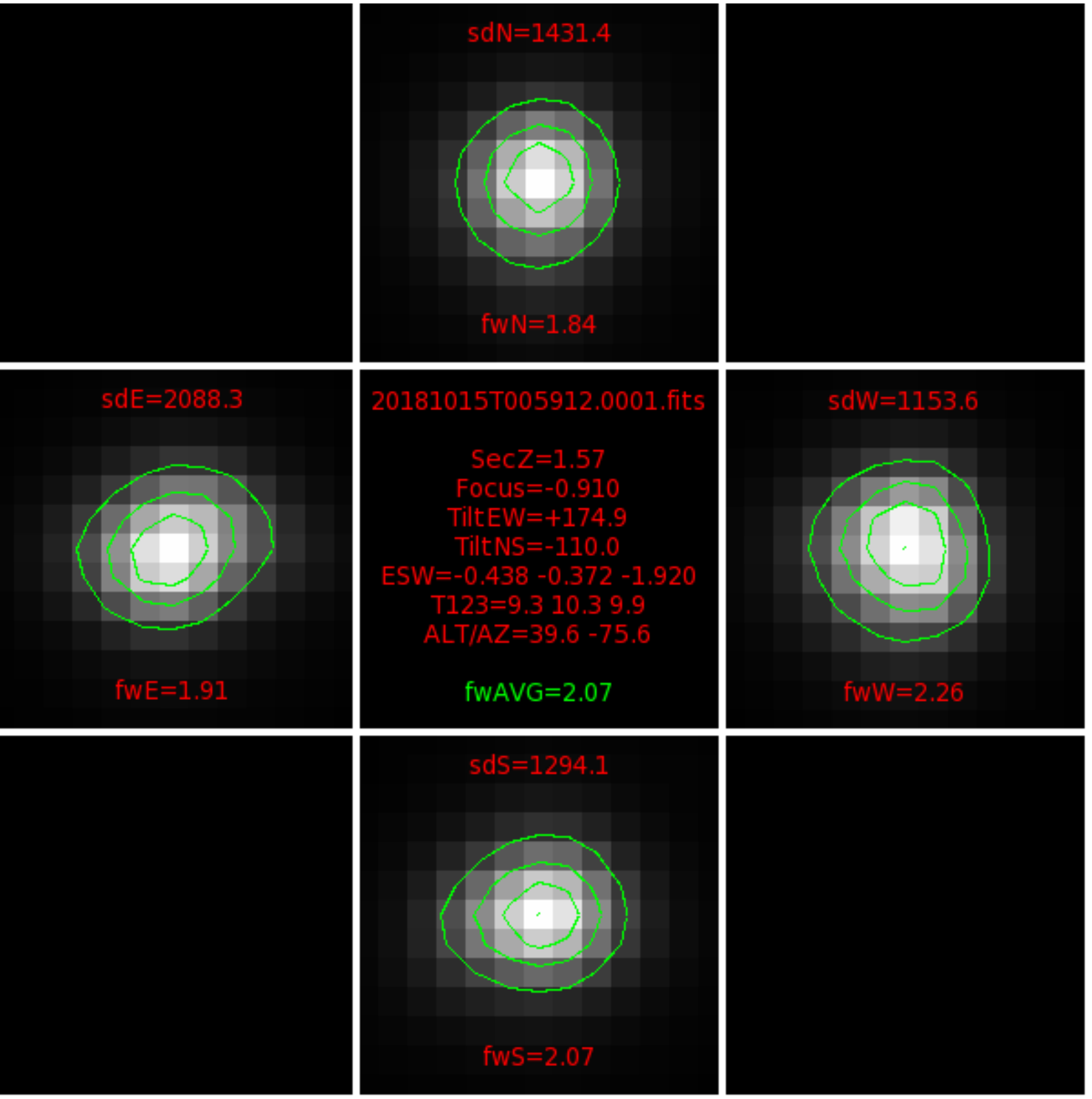
sdN=1431.4
fwN=1.84
sdE=2088.3
fwE=1.91
20181015T005912.0001.fits
SecZ=1.57
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.3 10.3 9.9
ALT/AZ=39.6 -75.6
fwAVG=2.07
sdW=1153.6
fwW=2.26
sdS=1294.1
fwS=2.07
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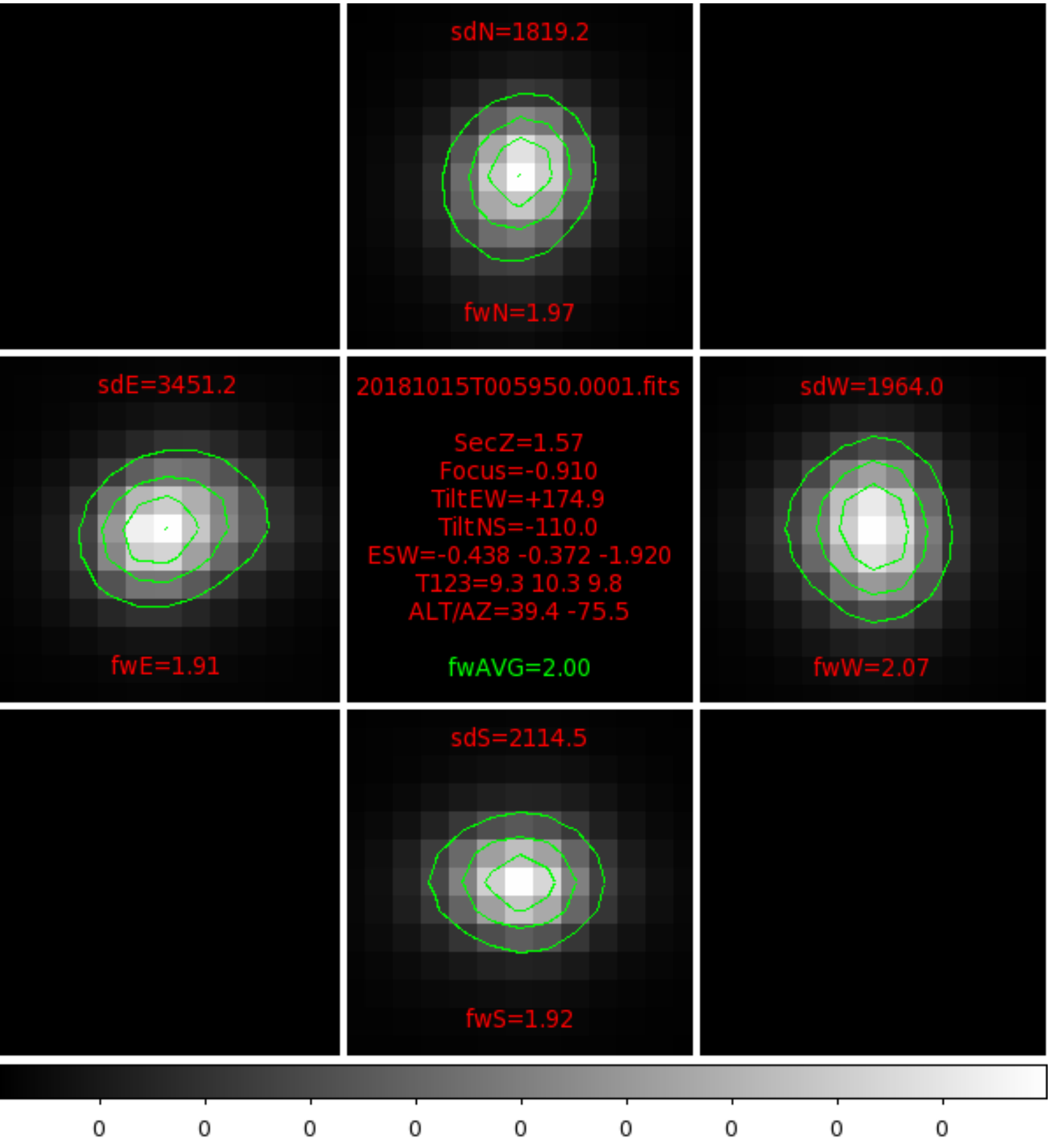
sdN=1819.2
fwN=1.97
sdE=3451.2
fwE=1.91
20181015T005950.0001.fits
SecZ=1.57
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.3 10.3 9.8
ALT/AZ=39.4 -75.5
fwAVG=2.00
sdW=1964.0
fwW=2.07
sdS=2114.5
fwS=1.92
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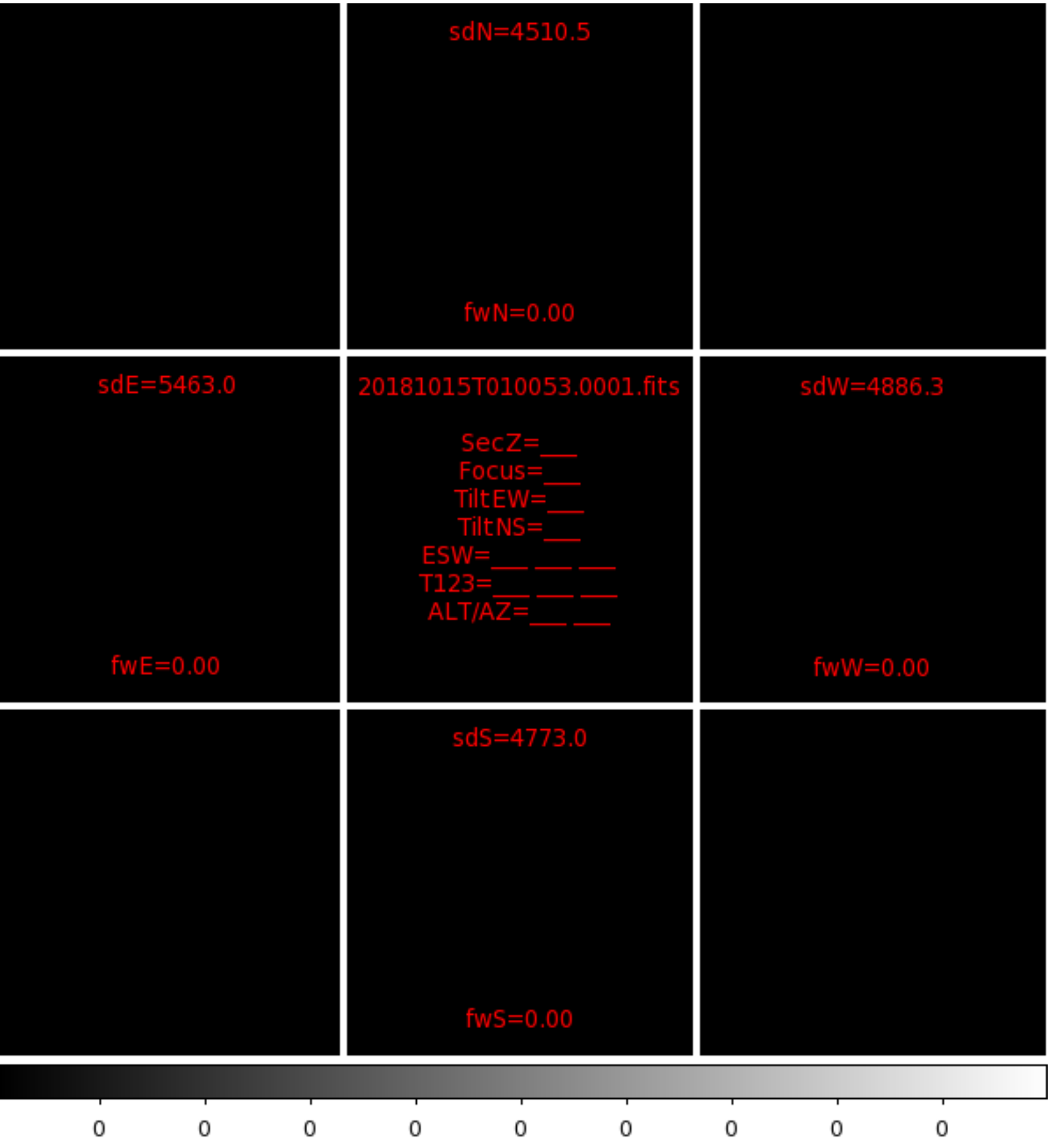
sdN=4510.5
fwN=0.00
sdE=5463.0
fwE=0.00
20181015T010053.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=4886.3
fwW=0.00
sdS=4773.0
fwS=0.00
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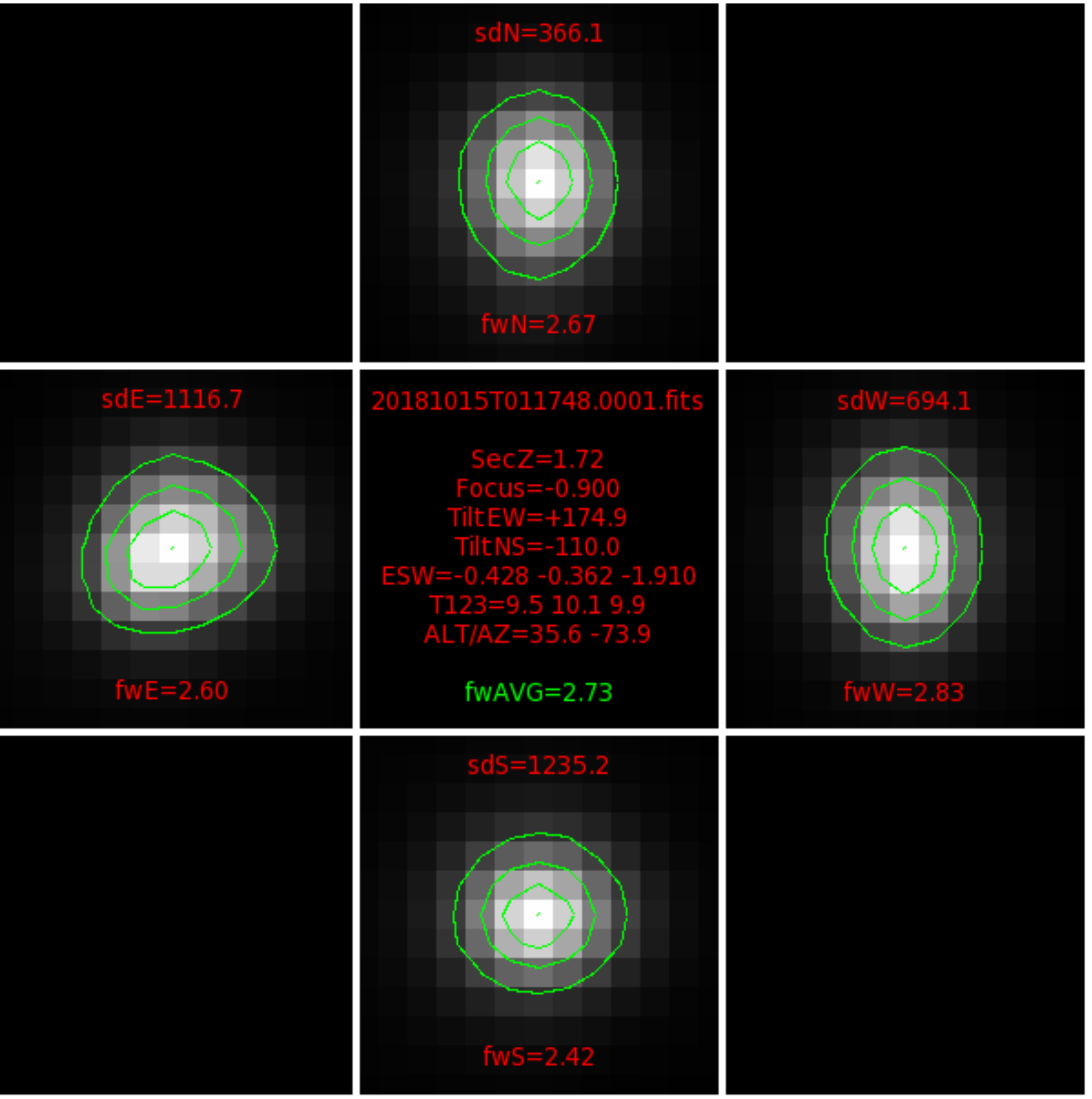
sdN=366.1
fwN=2.67
sdE=1116.7
fwE=2.60
20181015T011748.0001.fits
SecZ=1.72
Focus=-0.900
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.428 -0.362 -1.910
T123=9.5 10.1 9.9
ALT/AZ=35.6 -73.9
fwAVG=2.73
sdW=694.1
fwW=2.83
sdS=1235.2
fwS=2.42
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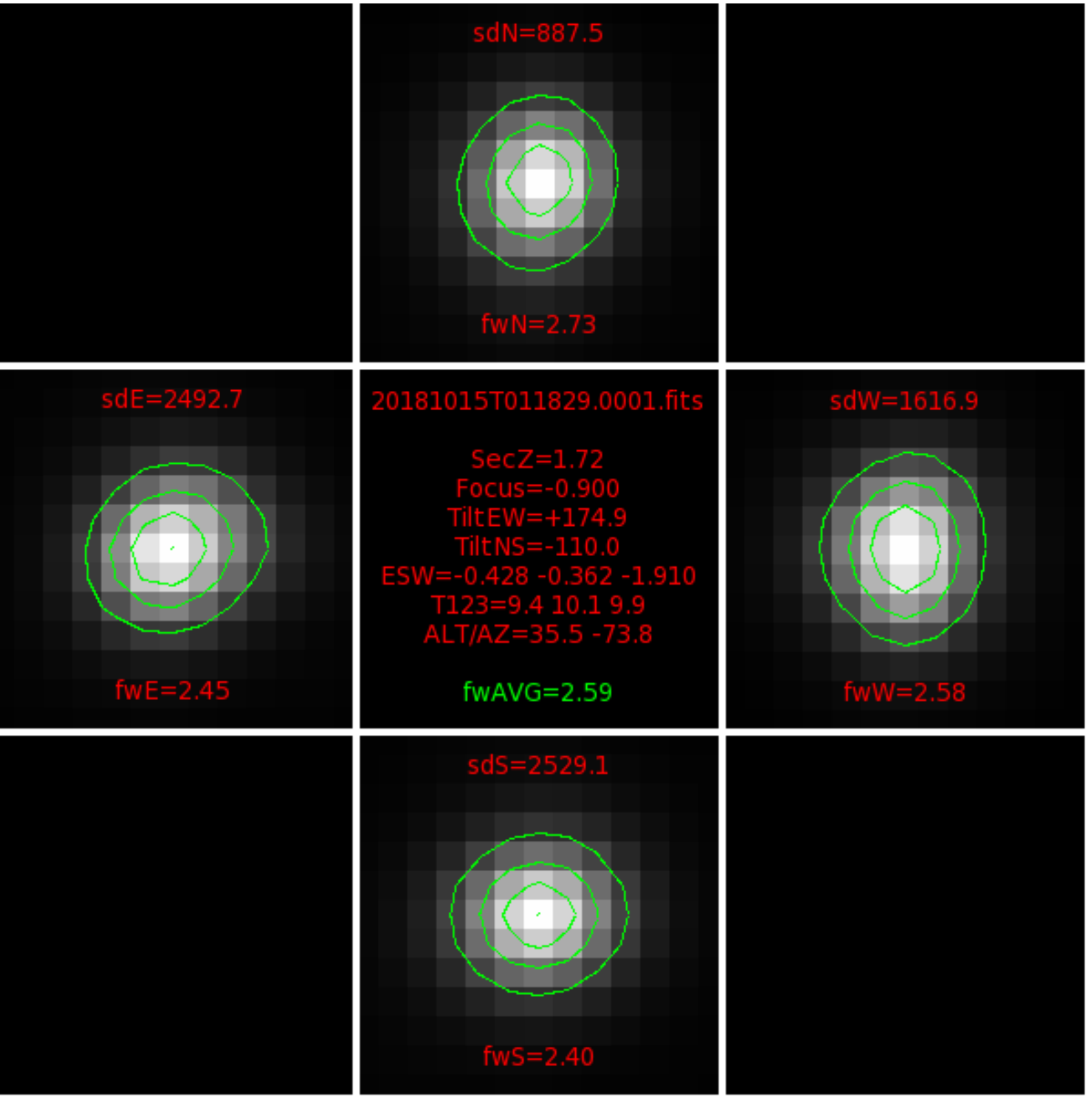
sdN=887.5
fwN=2.73
sdE=2492.7
fwE=2.45
20181015T011829.0001.fits
SecZ=1.72
Focus=-0.900
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.428 -0.362 -1.910
T123=9.4 10.1 9.9
ALT/AZ=35.5 -73.8
fwAVG=2.59
sdW=1616.9
fwW=2.58
sdS=2529.1
fwS=2.40
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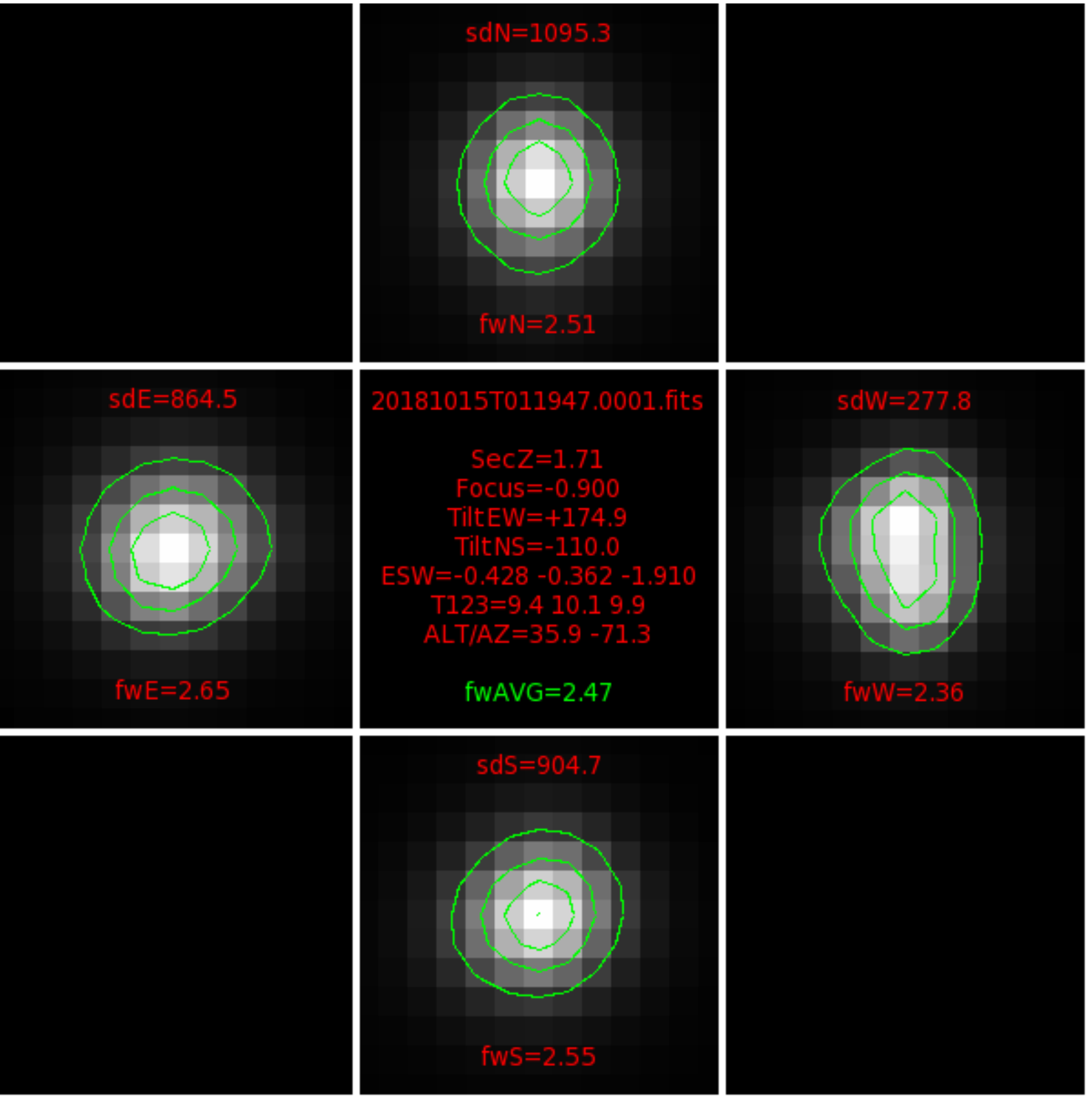
sdN=1095.3
fwN=2.51
sdE=864.5
fwE=2.65
20181015T011947.0001.fits
SecZ=1.71
Focus=-0.900
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.428 -0.362 -1.910
T123=9.4 10.1 9.9
ALT/AZ=35.9 -71.3
fwAVG=2.47
sdW=277.8
fwW=2.36
sdS=904.7
fwS=2.55
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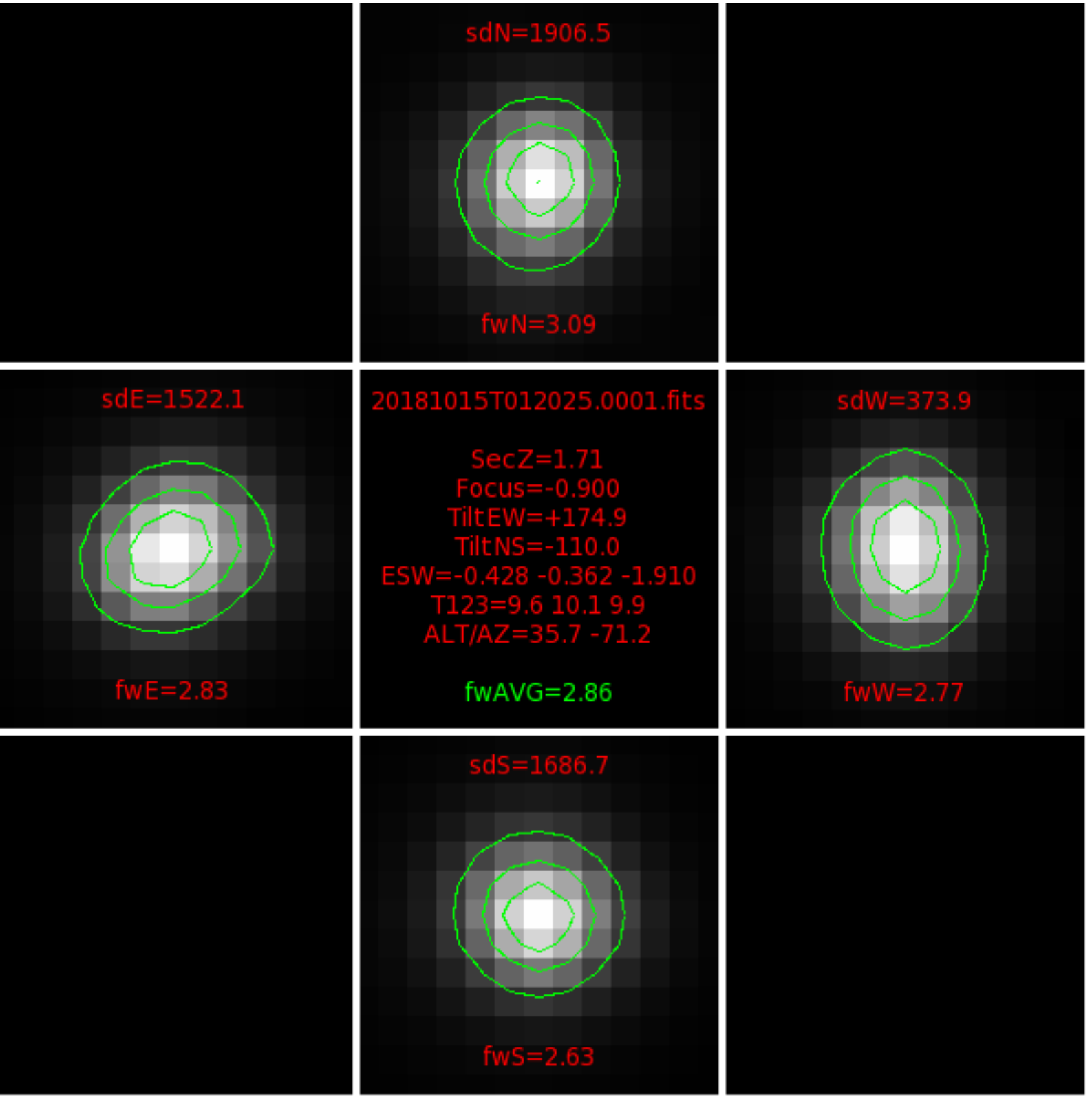
sdN=1906.5
fwN=3.09
sdE=1522.1
fwE=2.83
20181015T012025.0001.fits
SecZ=1.71
Focus=-0.900
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.428 -0.362 -1.910
T123=9.6 10.1 9.9
ALT/AZ=35.7 -71.2
fwAVG=2.86
sdW=373.9
fwW=2.77
sdS=1686.7
fwS=2.63
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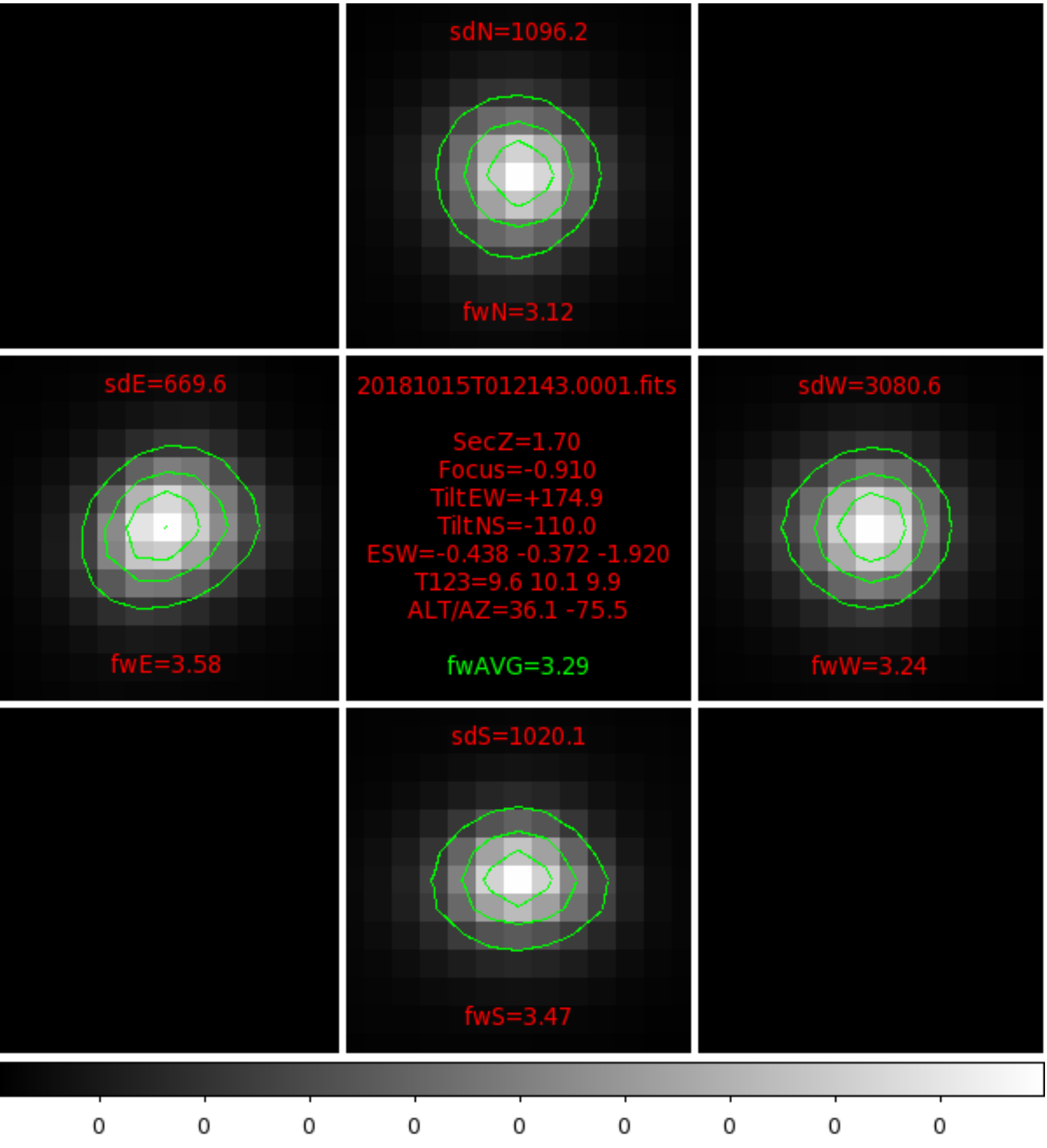
sdN=1096.2
fwN=3.12
sdE=669.6
fwE=3.58
20181015T012143.0001.fits
SecZ=1.70
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.6 10.1 9.9
ALT/AZ=36.1 -75.5
fwAVG=3.29
sdW=3080.6
fwW=3.24
sdS=1020.1
fwS=3.47
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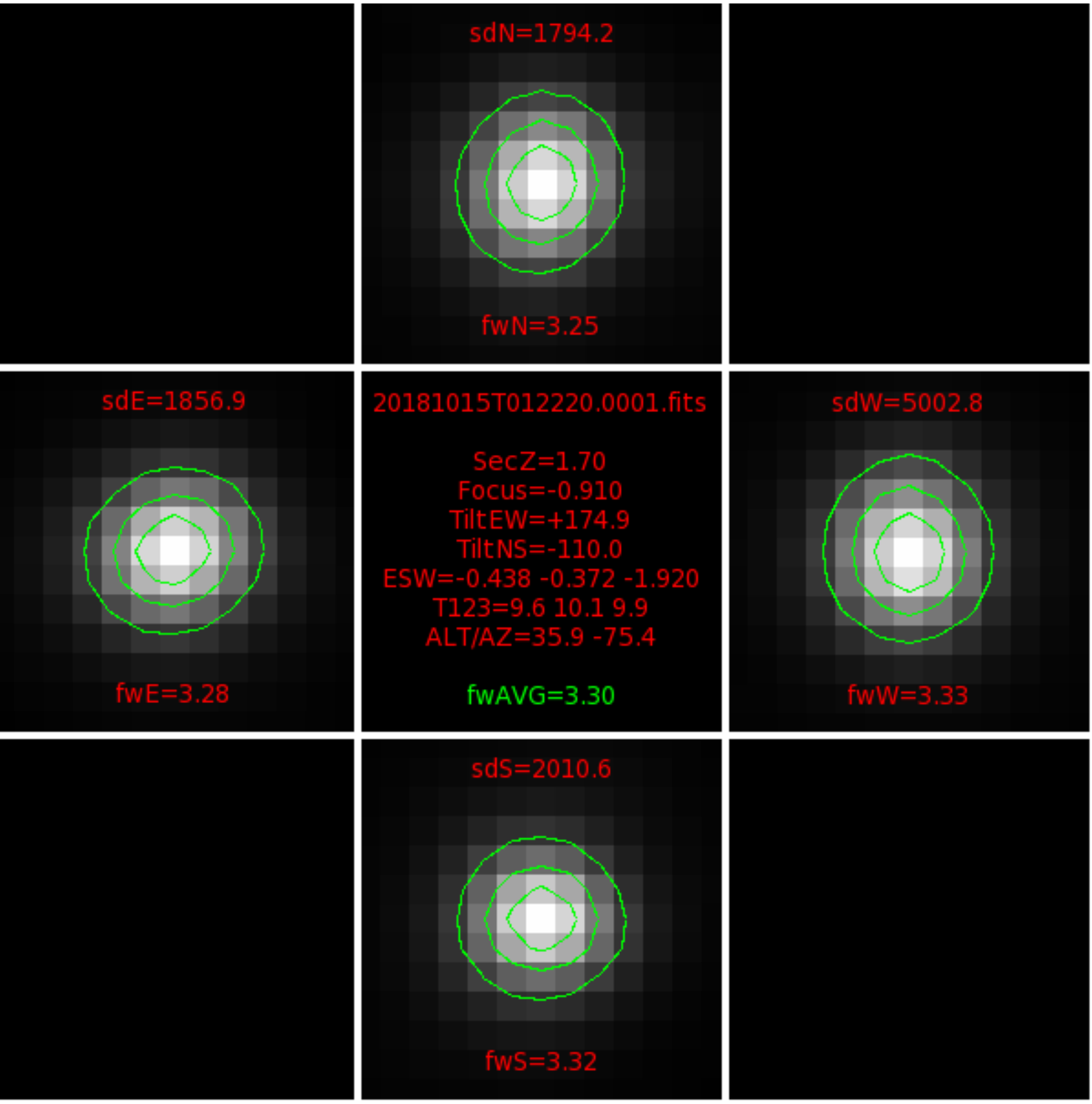
sdN=1794.2
fwN=3.25
sdE=1856.9
fwE=3.28
20181015T012220.0001.fits
SecZ=1.70
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.6 10.1 9.9
ALT/AZ=35.9 -75.4
fwAVG=3.30
sdW=5002.8
fwW=3.33
sdS=2010.6
fwS=3.32
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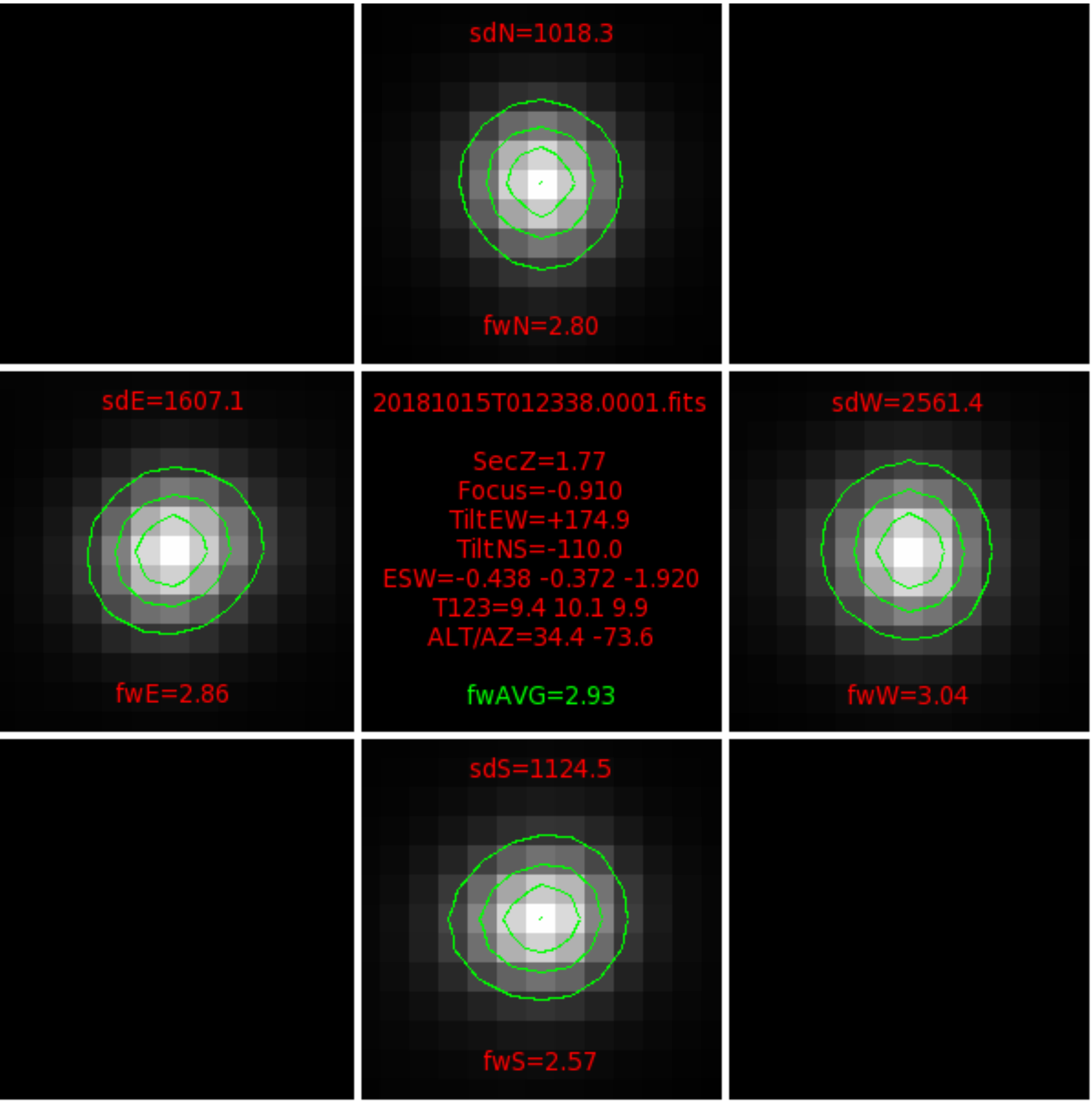
sdN=1018.3
fwN=2.80
sdE=1607.1
fwE=2.86
20181015T012338.0001.fits
SecZ=1.77
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.4 10.1 9.9
ALT/AZ=34.4 -73.6
fwAVG=2.93
sdW=2561.4
fwW=3.04
sdS=1124.5
fwS=2.57
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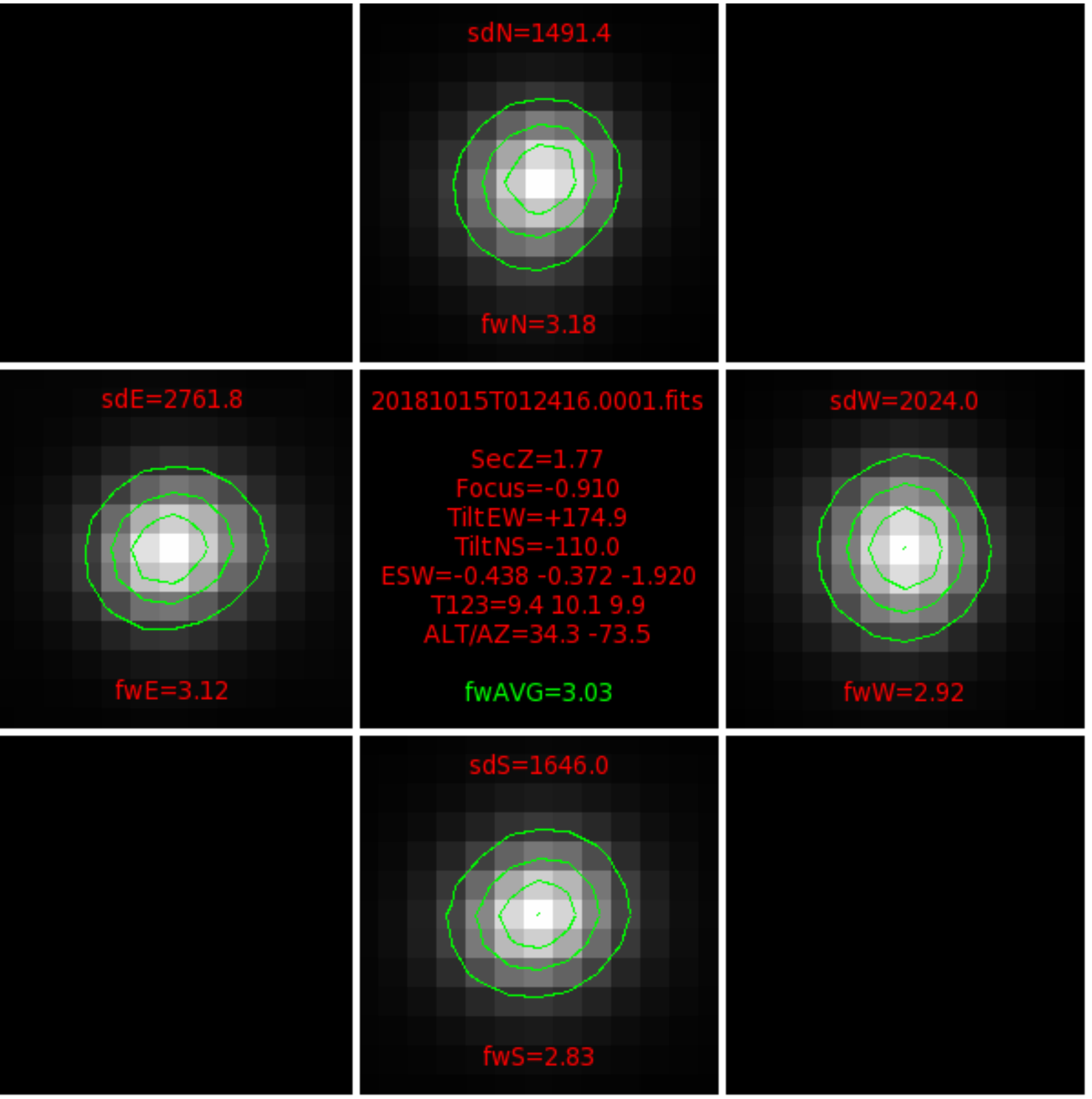
sdN=1491.4
fwN=3.18
sdE=2761.8
fwE=3.12
20181015T012416.0001.fits
SecZ=1.77
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.4 10.1 9.9
ALT/AZ=34.3 -73.5
fwAVG=3.03
sdW=2024.0
fwW=2.92
sdS=1646.0
fwS=2.83
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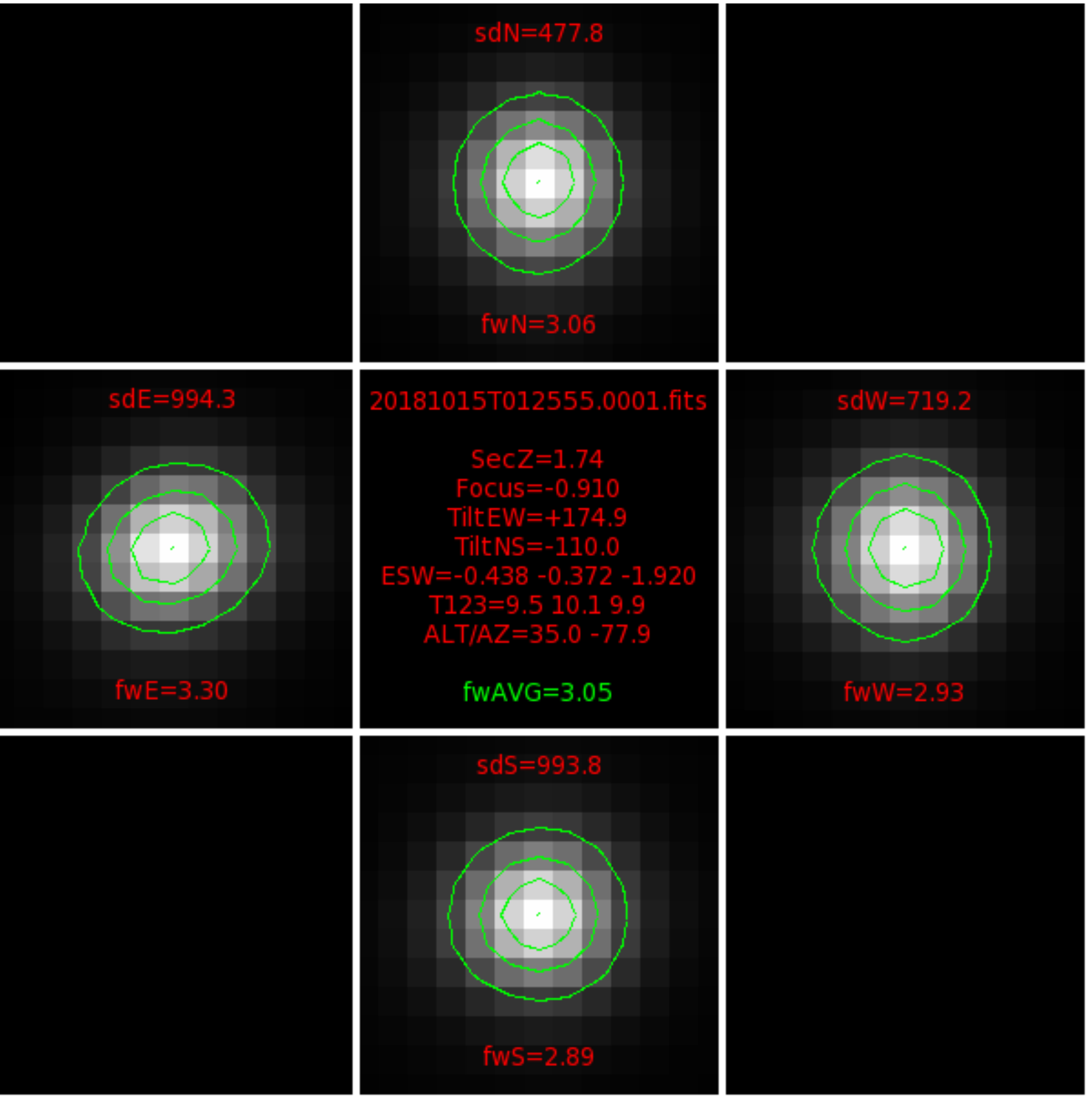
sdN=477.8
fwN=3.06
sdE=994.3
fwE=3.30
20181015T012555.0001.fits
SecZ=1.74
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.5 10.1 9.9
ALT/AZ=35.0 -77.9
fwAVG=3.05
sdW=719.2
fwW=2.93
sdS=993.8
fwS=2.89
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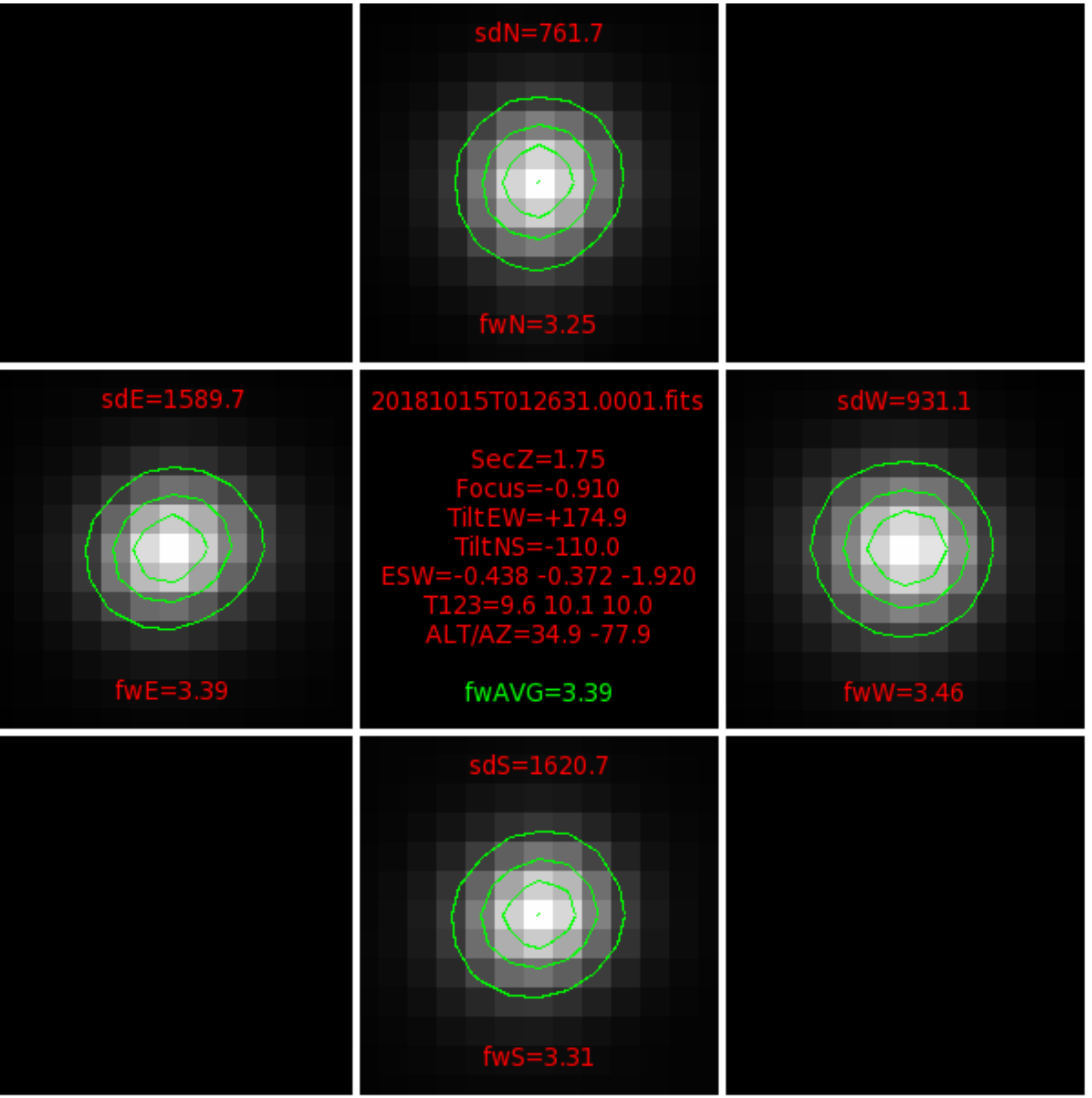
sdN=761.7
fwN=3.25
sdE=1589.7
fwE=3.39
20181015T012631.0001.fits
SecZ=1.75
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.6 10.1 10.0
ALT/AZ=34.9 -77.9
fwAVG=3.39
sdW=931.1
fwW=3.46
sdS=1620.7
fwS=3.31
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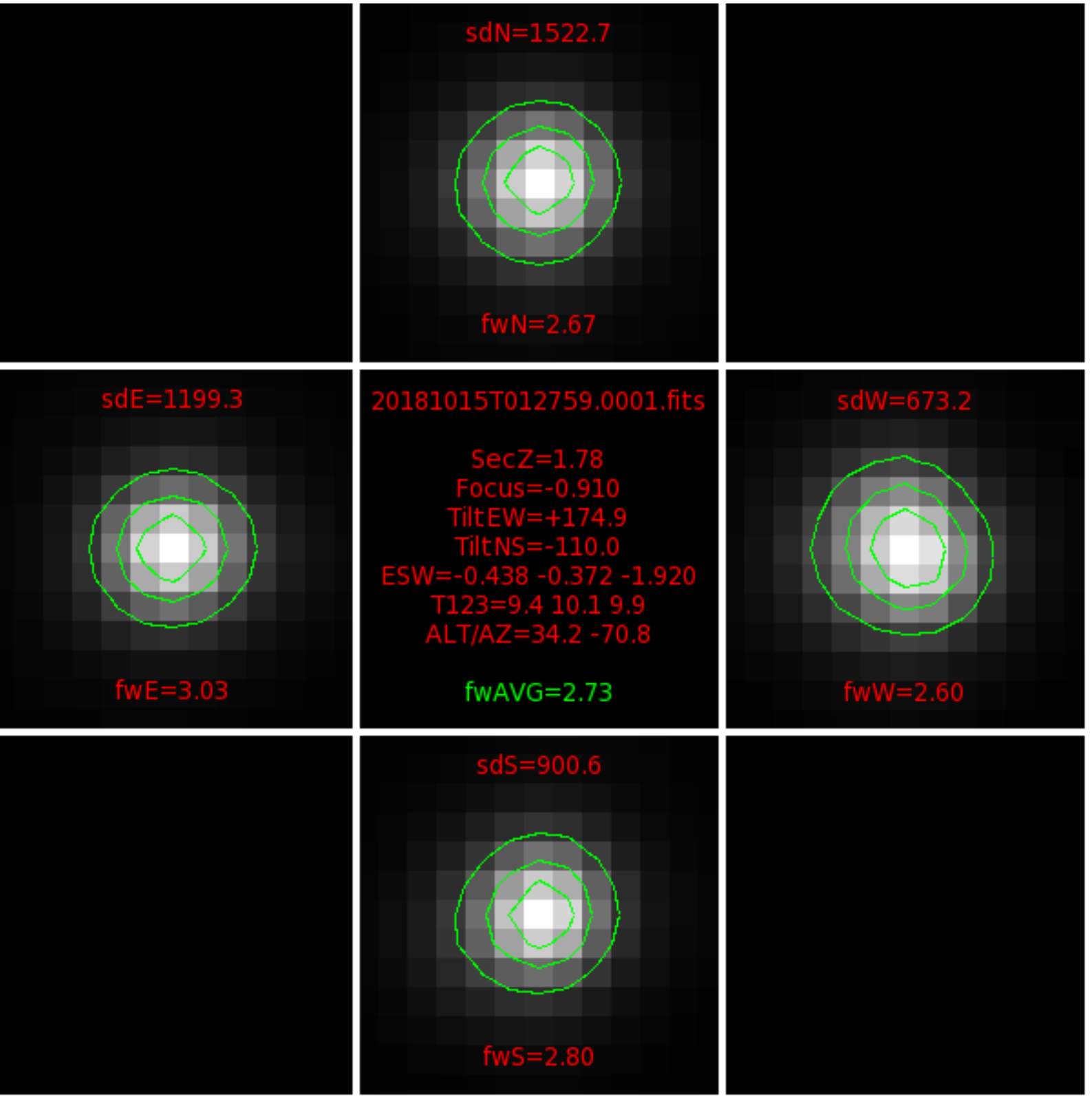
sdN=1522.7
fwN=2.67
sdE=1199.3
fwE=3.03
20181015T012759.0001.fits
SecZ=1.78
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.4 10.1 9.9
ALT/AZ=34.2 -70.8
fwAVG=2.73
sdW=673.2
fwW=2.60
sdS=900.6
fwS=2.80
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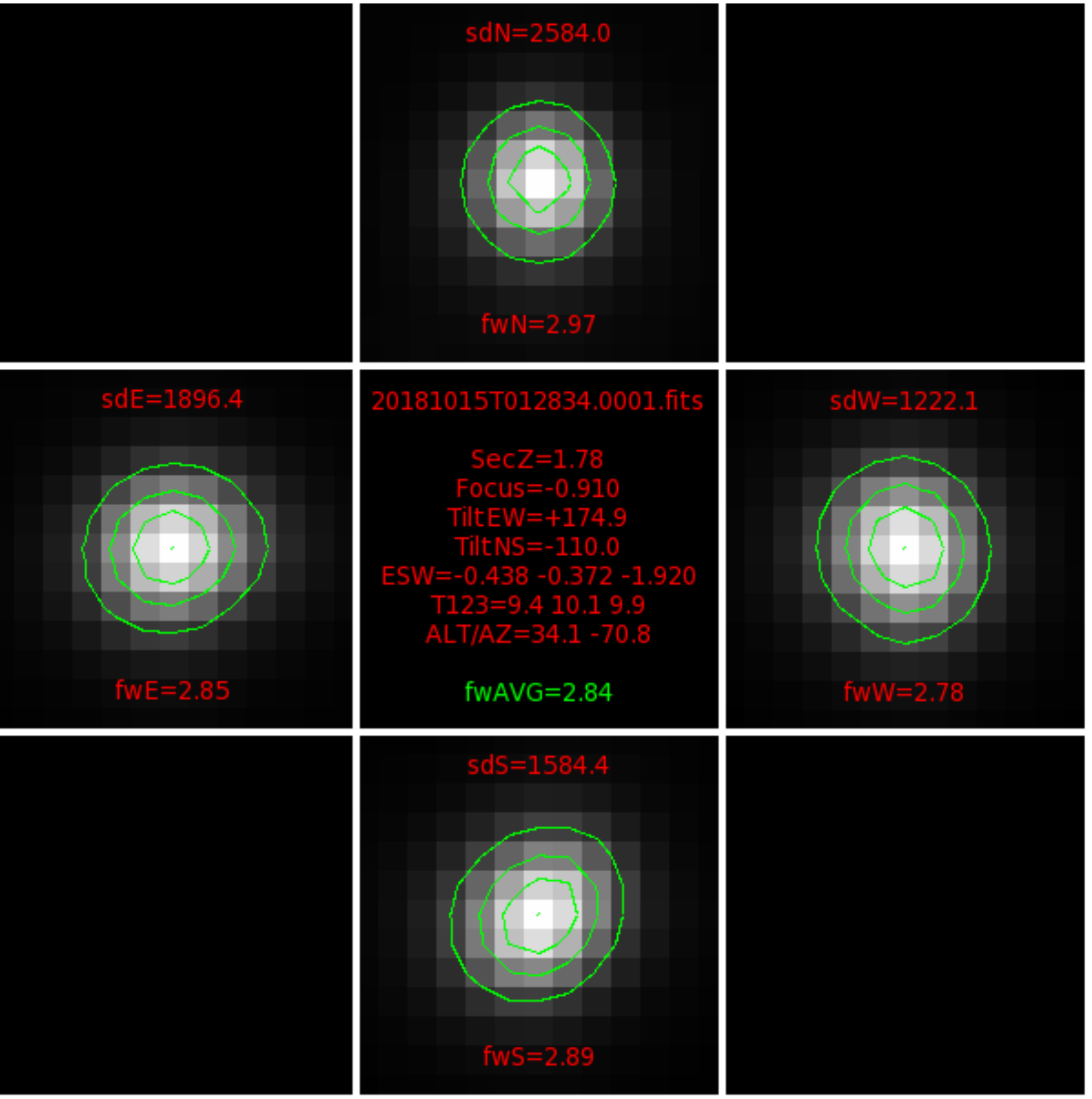
sdN=2584.0
fwN=2.97
sdE=1896.4
fwE=2.85
20181015T012834.0001.fits
SecZ=1.78
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.4 10.1 9.9
ALT/AZ=34.1 -70.8
fwAVG=2.84
sdW=1222.1
fwW=2.78
sdS=1584.4
fwS=2.89
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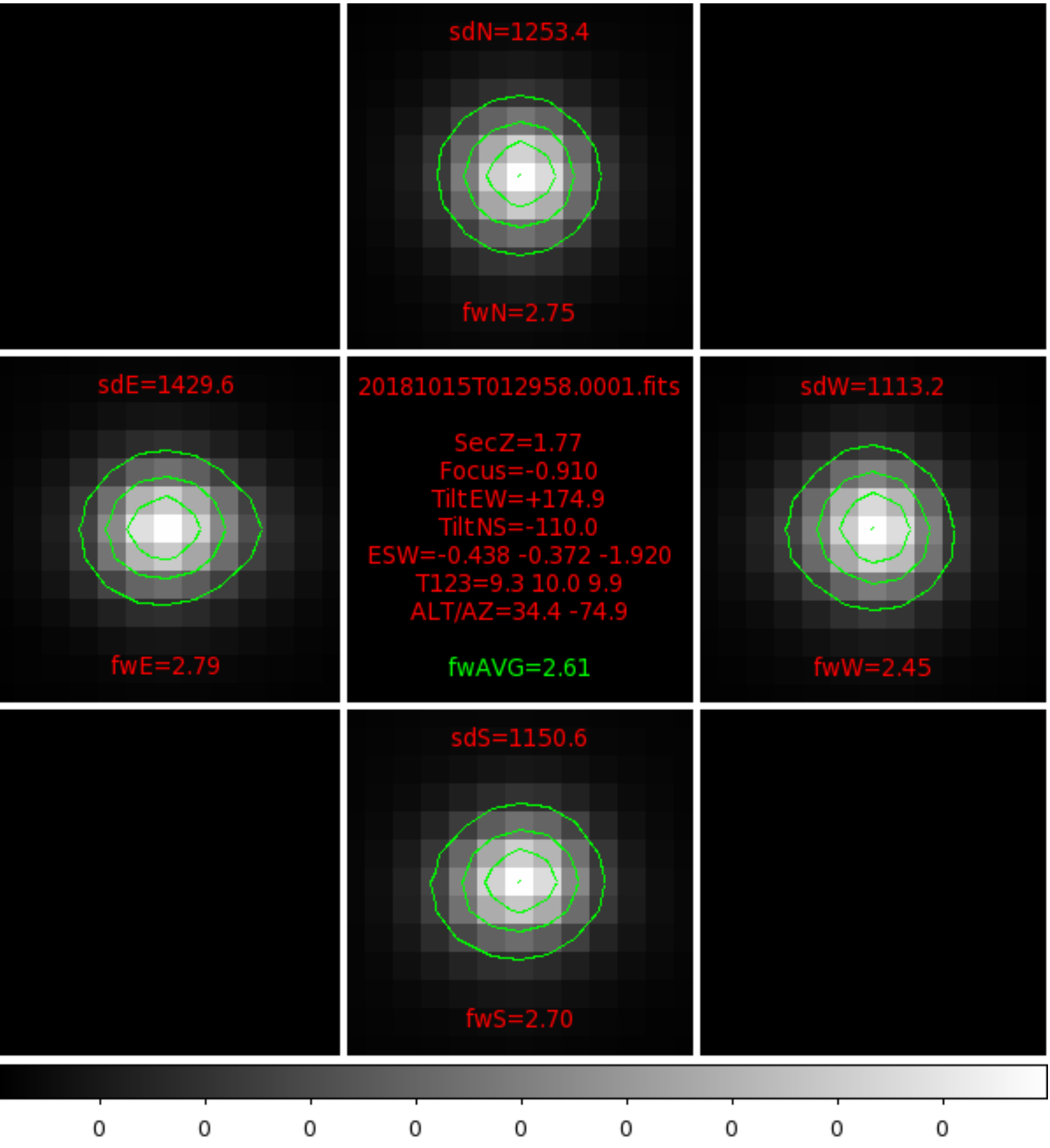
sdN=1253.4
fwN=2.75
sdE=1429.6
fwE=2.79
20181015T012958.0001.fits
SecZ=1.77
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.3 10.0 9.9
ALT/AZ=34.4 -74.9
fwAVG=2.61
sdW=1113.2
fwW=2.45
sdS=1150.6
fwS=2.70
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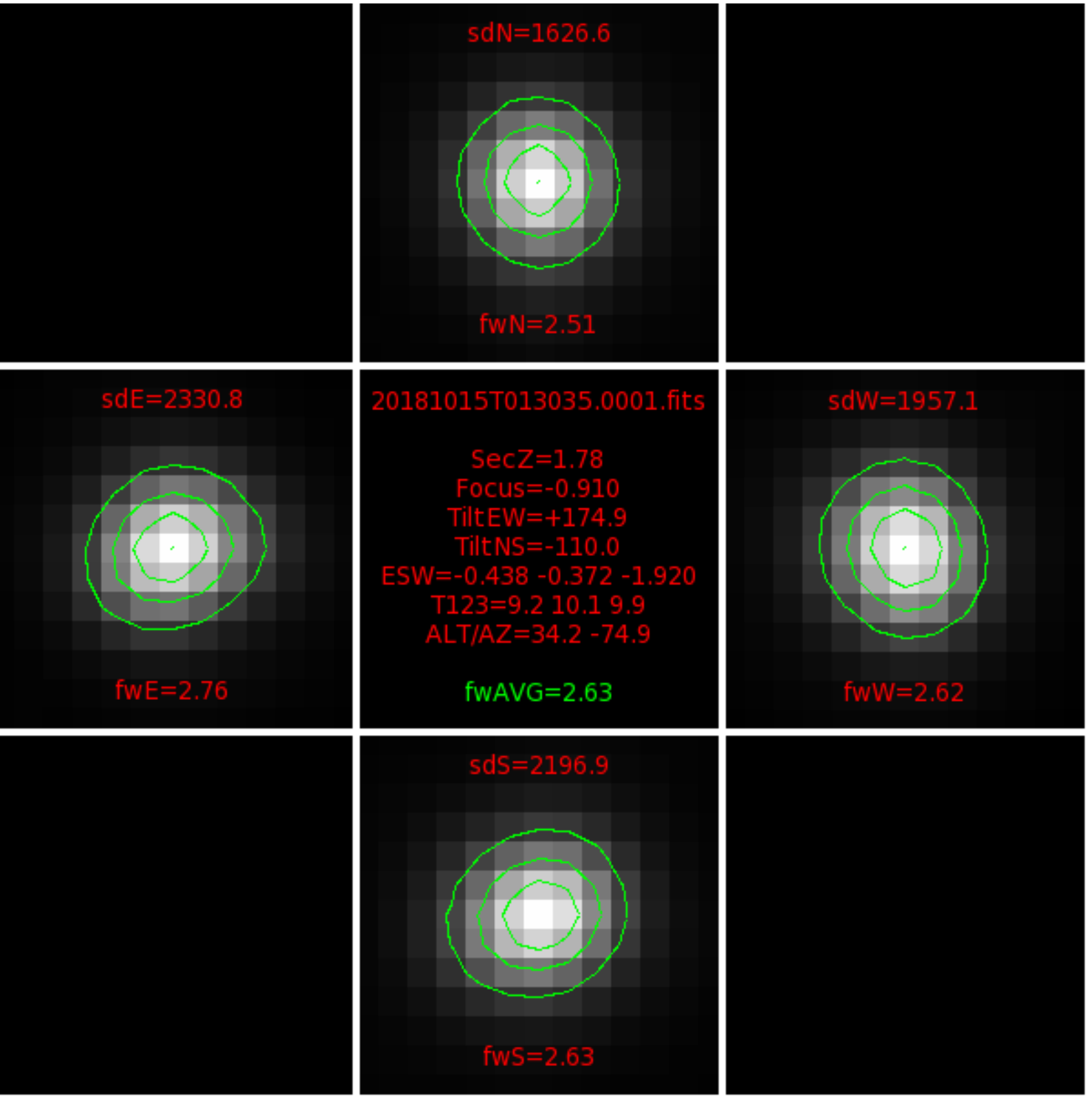
sdN=1626.6
fwN=2.51
sdE=2330.8
fwE=2.76
20181015T013035.0001.fits
SecZ=1.78
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.2 10.1 9.9
ALT/AZ=34.2 -74.9
fwAVG=2.63
sdW=1957.1
fwW=2.62
sdS=2196.9
fwS=2.63
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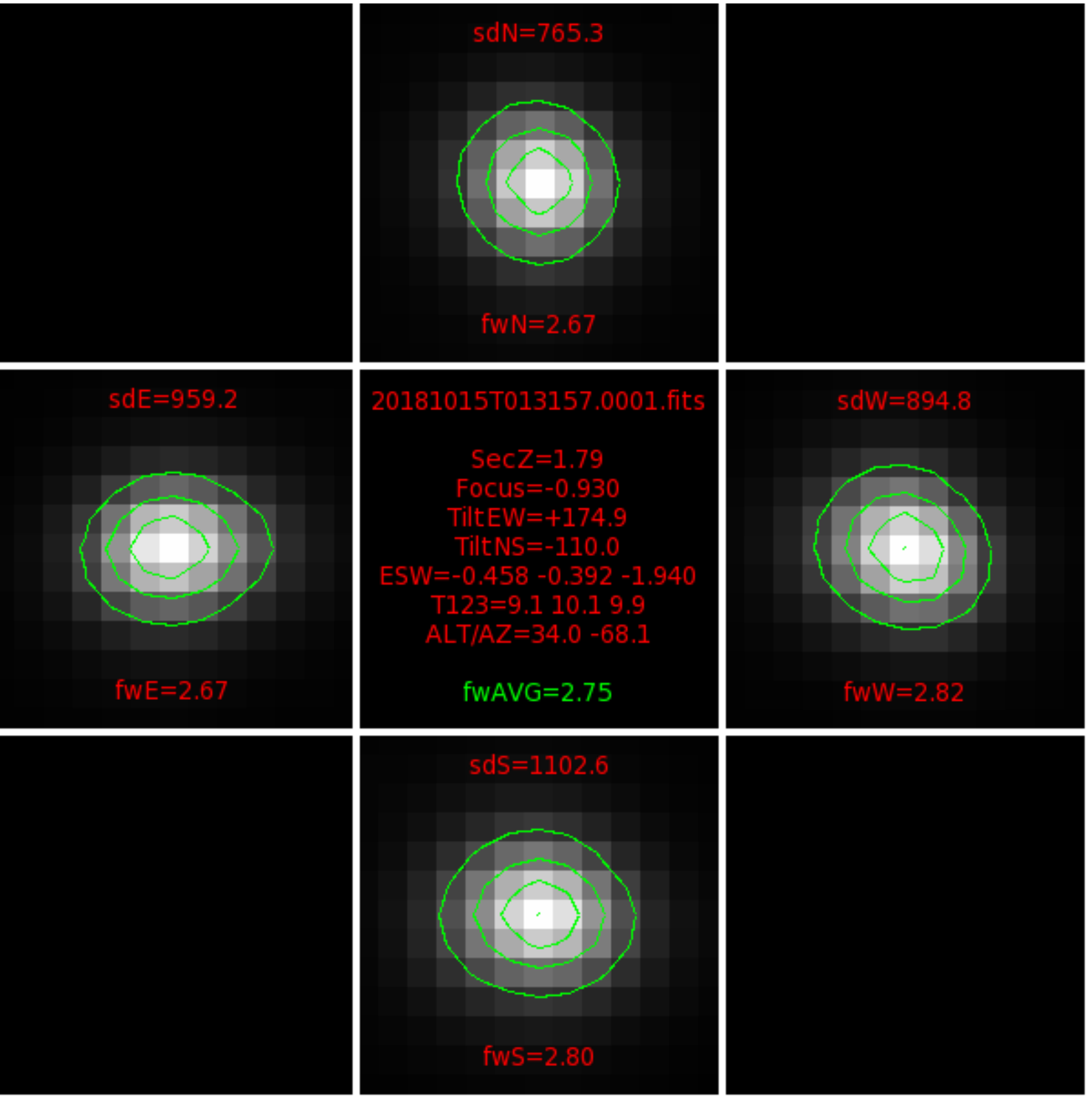
sdN=765.3
fwN=2.67
sdE=959.2
fwE=2.67
20181015T013157.0001.fits
SecZ=1.79
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.1 10.1 9.9
ALT/AZ=34.0 -68.1
fwAVG=2.75
sdW=894.8
fwW=2.82
sdS=1102.6
fwS=2.80
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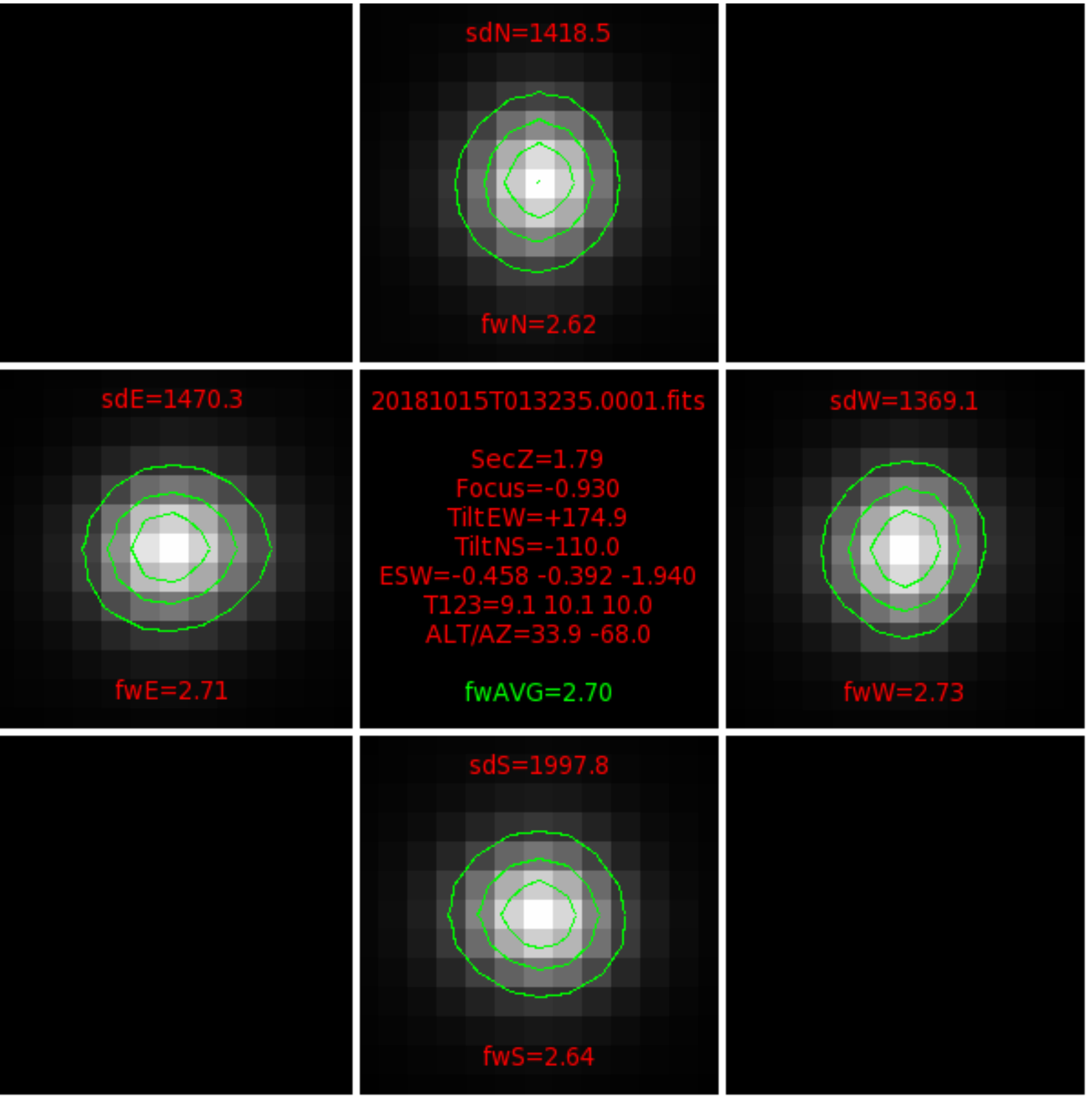
sdN=1418.5
fwN=2.62
sdE=1470.3
fwE=2.71
20181015T013235.0001.fits
SecZ=1.79
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.1 10.1 10.0
ALT/AZ=33.9 -68.0
fwAVG=2.70
sdW=1369.1
fwW=2.73
sdS=1997.8
fwS=2.64
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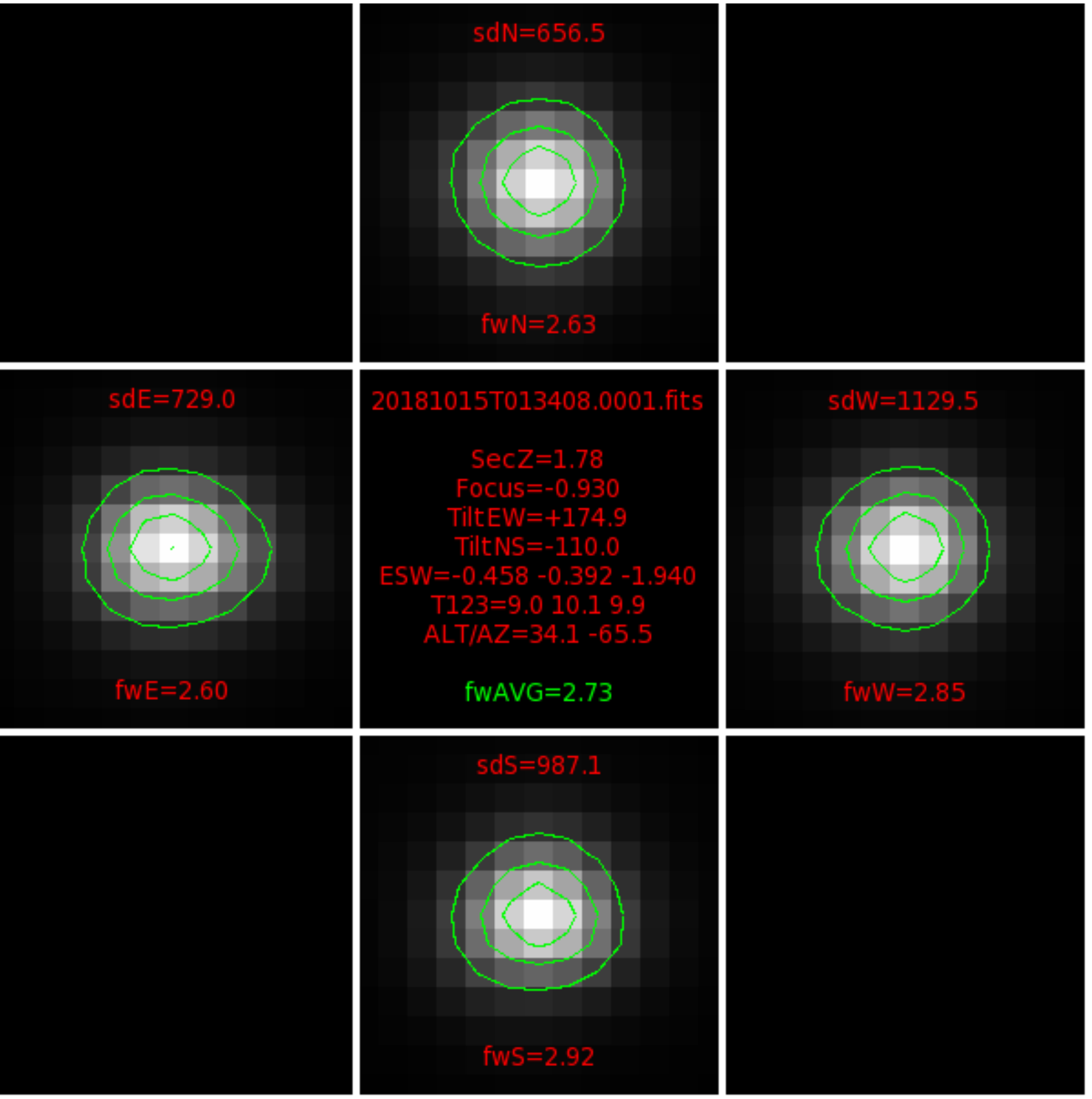
sdN=656.5
fwN=2.63
sdE=729.0
fwE=2.60
20181015T013408.0001.fits
SecZ=1.78
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.0 10.1 9.9
ALT/AZ=34.1 -65.5
fwAVG=2.73
sdW=1129.5
fwW=2.85
sdS=987.1
fwS=2.92
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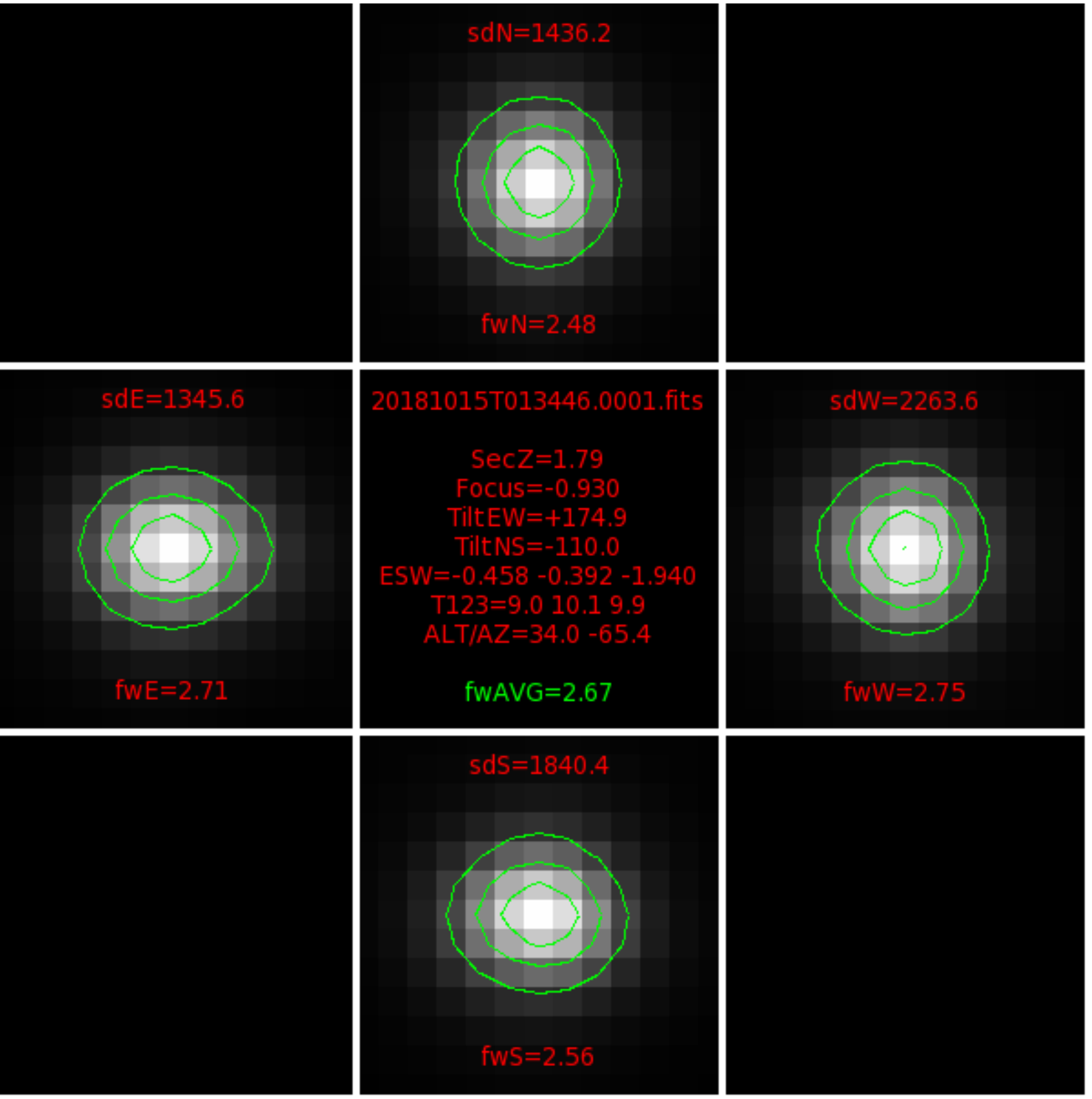
sdN=1436.2
fwN=2.48
sdE=1345.6
fwE=2.71
20181015T013446.0001.fits
SecZ=1.79
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.0 10.1 9.9
ALT/AZ=34.0 -65.4
fwAVG=2.67
sdW=2263.6
fwW=2.75
sdS=1840.4
fwS=2.56
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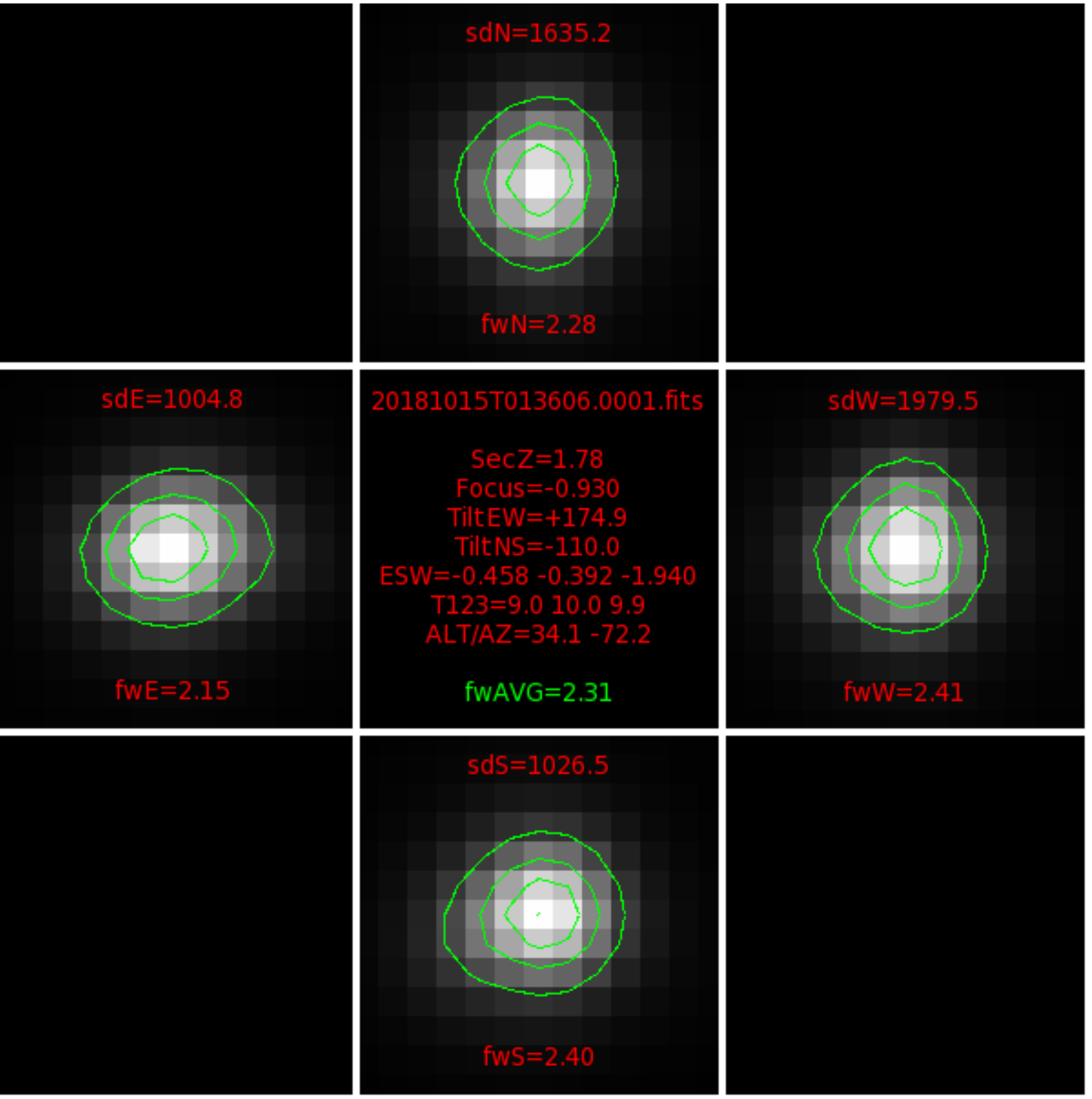
sdN=1635.2
fwN=2.28
sdE=1004.8
fwE=2.15
20181015T013606.0001.fits
SecZ=1.78
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.0 10.0 9.9
ALT/AZ=34.1 -72.2
fwAVG=2.31
sdW=1979.5
fwW=2.41
sdS=1026.5
fwS=2.40
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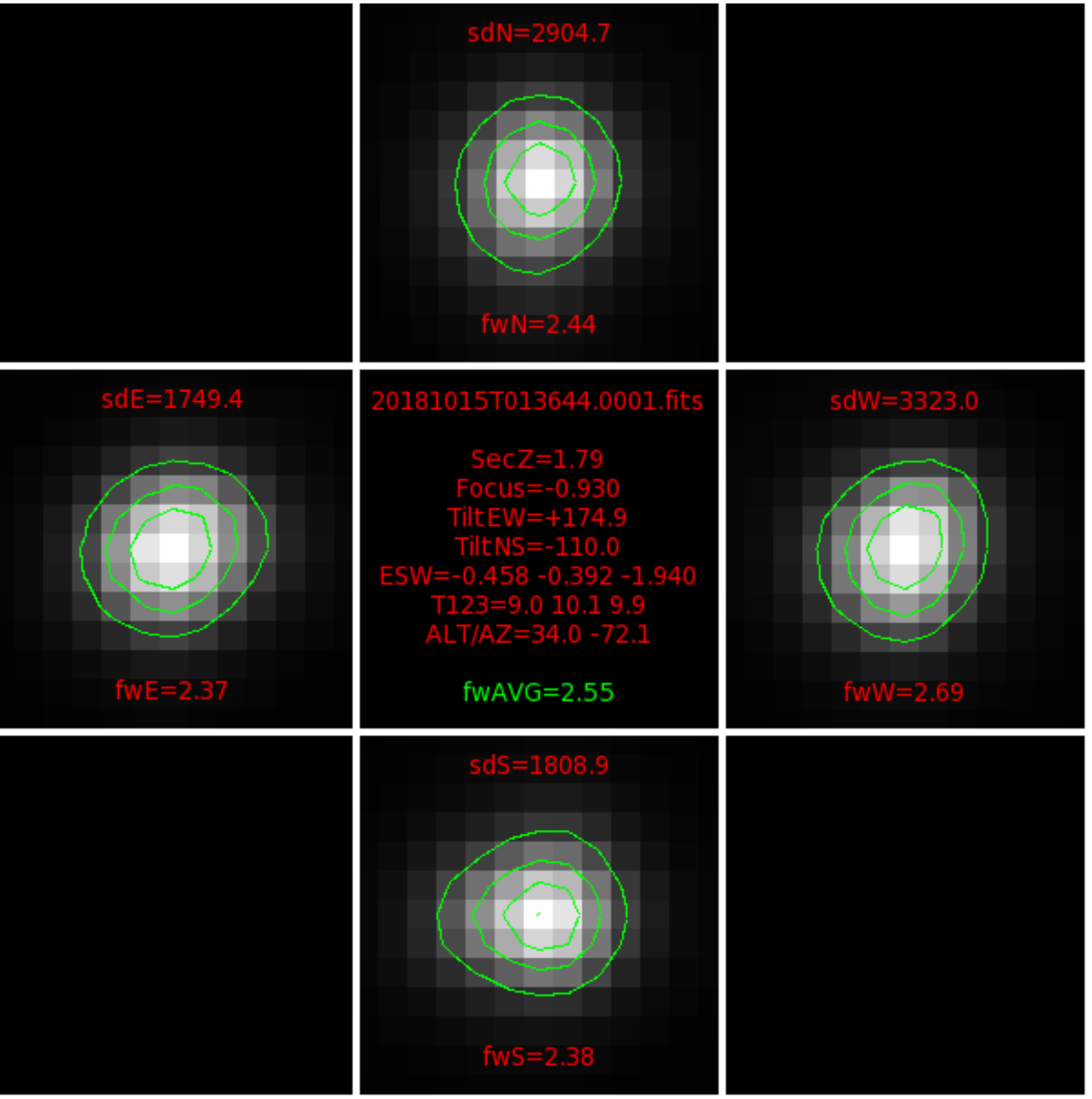
sdN=2904.7
fwN=2.44
sdE=1749.4
fwE=2.37
20181015T013644.0001.fits
SecZ=1.79
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.0 10.1 9.9
ALT/AZ=34.0 -72.1
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sdW=3323.0
fwW=2.69
sdS=1808.9
fwS=2.38
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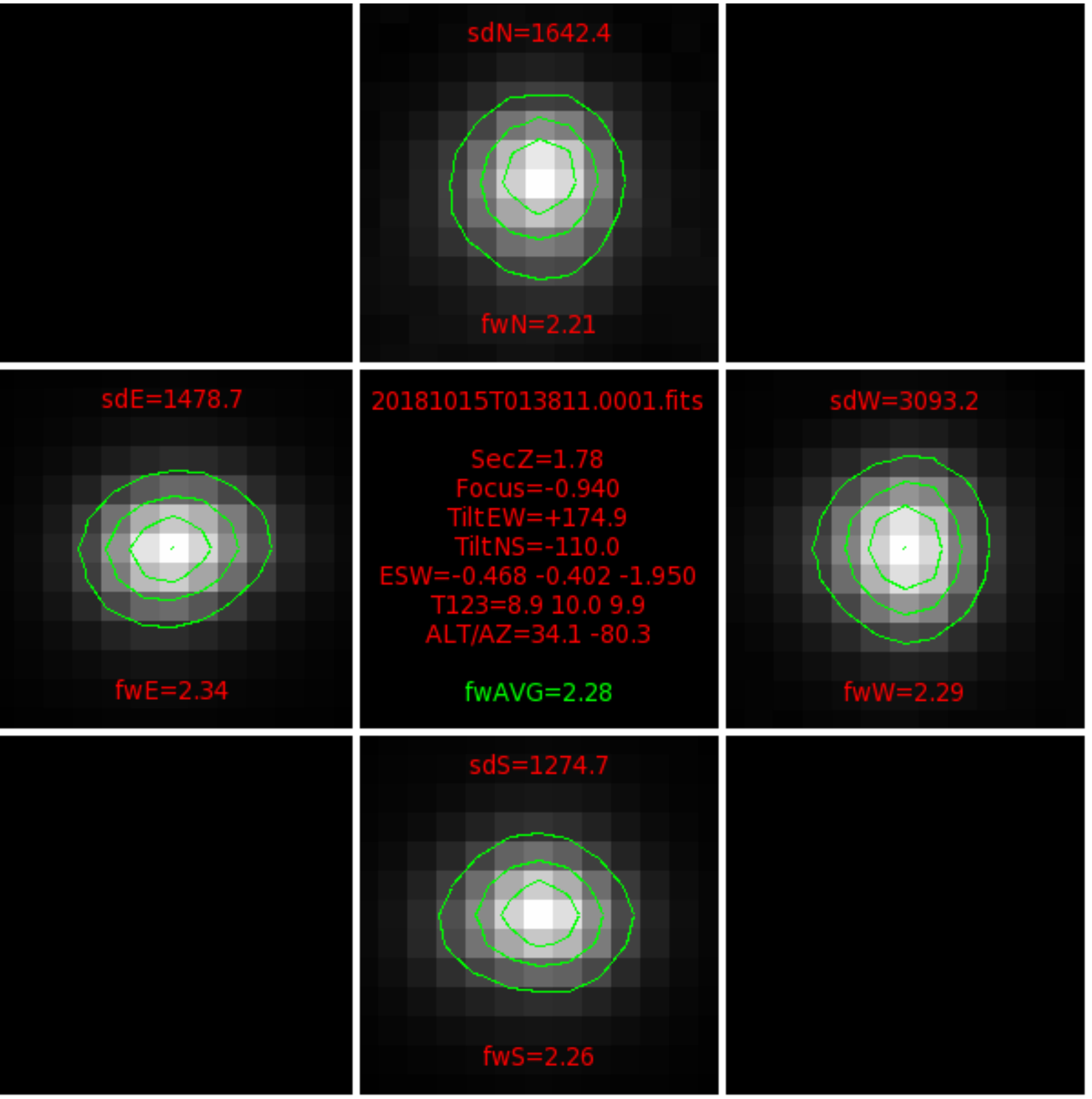
sdN=1642.4
fwN=2.21
sdE=1478.7
fwE=2.34
20181015T013811.0001.fits
SecZ=1.78
Focus=-0.940
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.468 -0.402 -1.950
T123=8.9 10.0 9.9
ALT/AZ=34.1 -80.3
fwAVG=2.28
sdW=3093.2
fwW=2.29
sdS=1274.7
fwS=2.26
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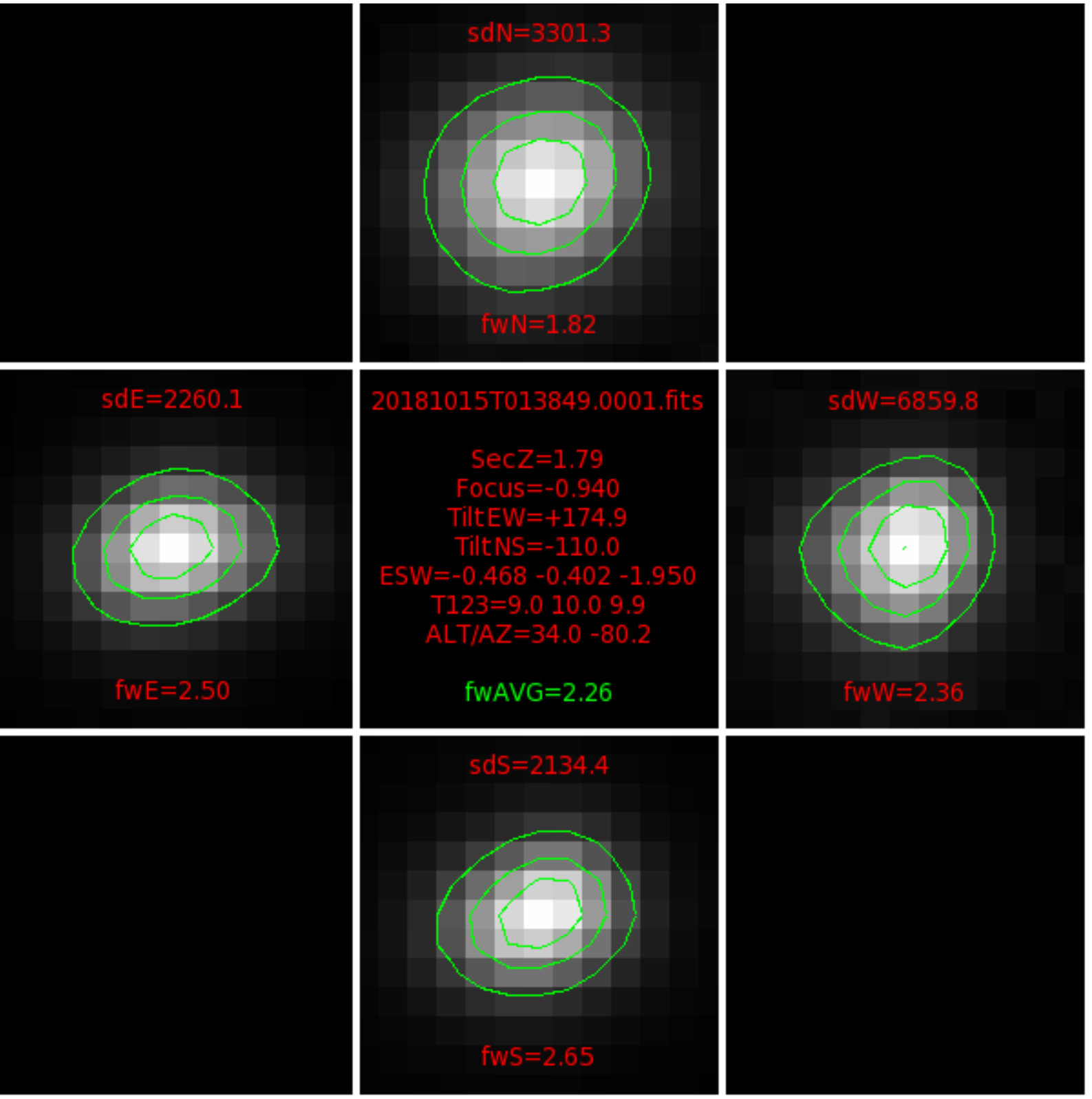
sdN=3301.3
fwN=1.82
sdE=2260.1
fwE=2.50
20181015T013849.0001.fits
SecZ=1.79
Focus=-0.940
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.468 -0.402 -1.950
T123=9.0 10.0 9.9
ALT/AZ=34.0 -80.2
fwAVG=2.26
sdW=6859.8
fwW=2.36
sdS=2134.4
fwS=2.65
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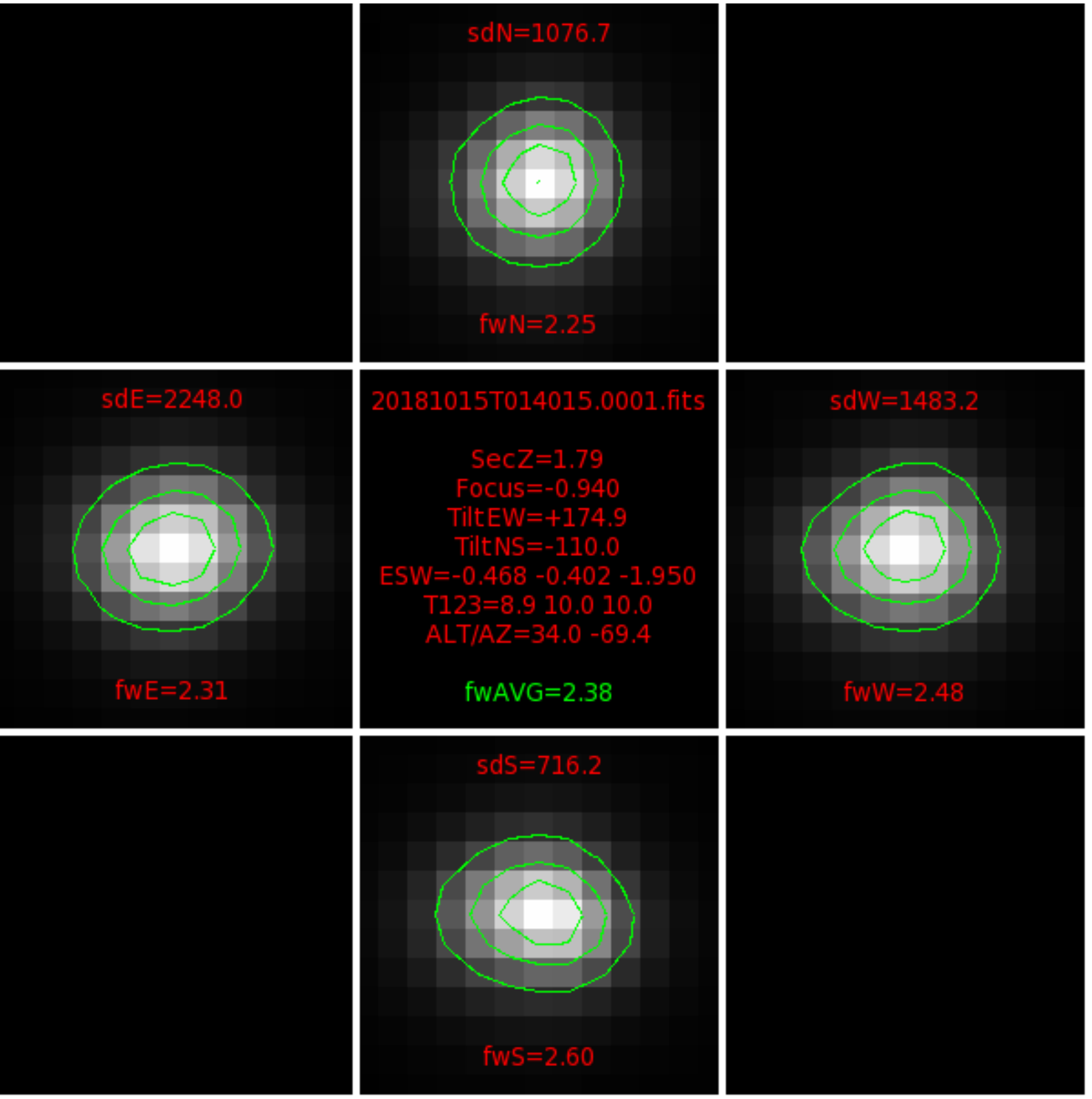
sdN=1076.7
fwN=2.25
sdE=2248.0
fwE=2.31
20181015T014015.0001.fits
SecZ=1.79
Focus=-0.940
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.468 -0.402 -1.950
T123=8.9 10.0 10.0
ALT/AZ=34.0 -69.4
fwAVG=2.38
sdW=1483.2
fwW=2.48
sdS=716.2
fwS=2.60
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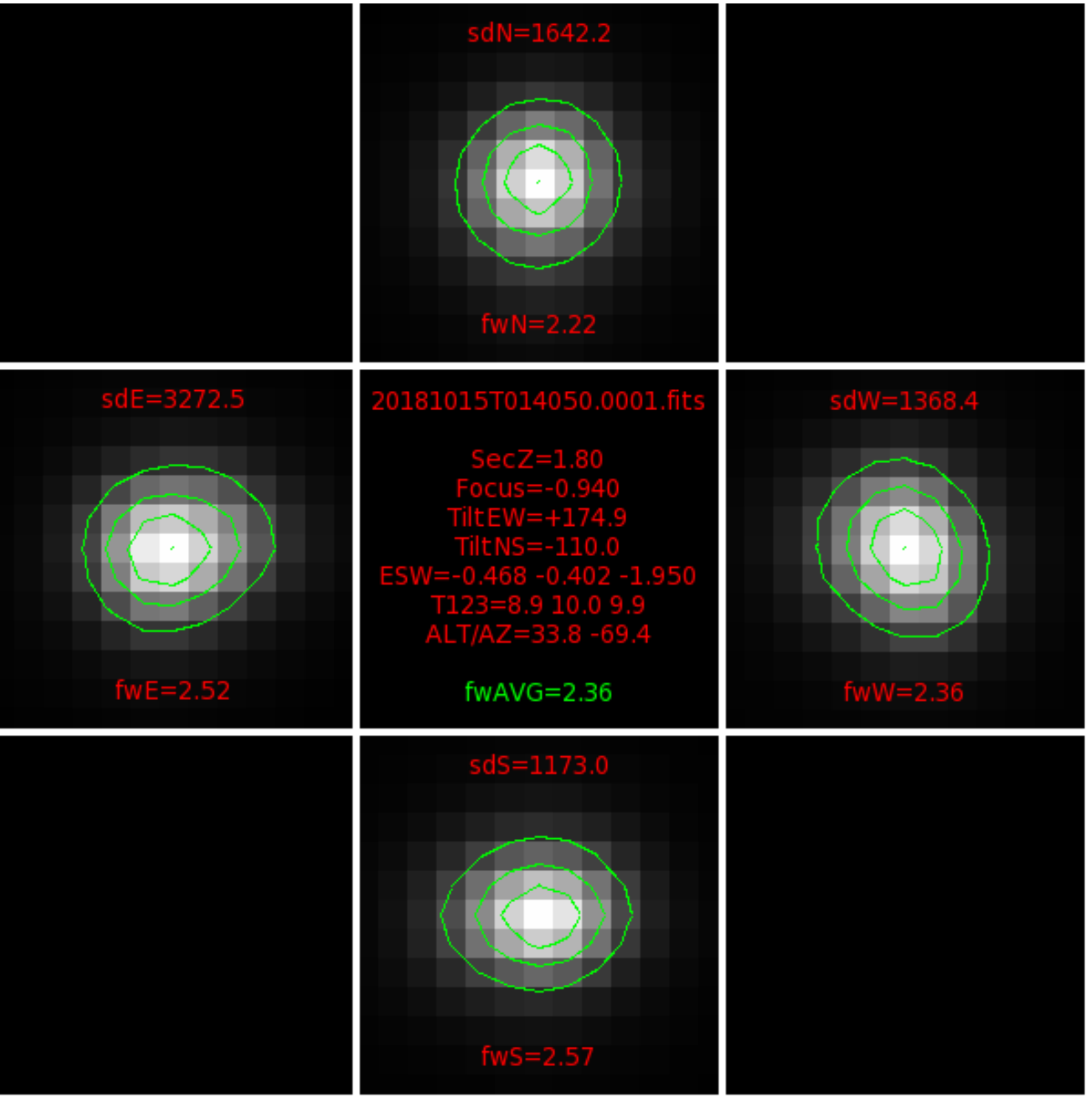
sdN=1642.2
fwN=2.22
sdE=3272.5
fwE=2.52
20181015T014050.0001.fits
SecZ=1.80
Focus=-0.940
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.468 -0.402 -1.950
T123=8.9 10.0 9.9
ALT/AZ=33.8 -69.4
fwAVG=2.36
sdW=1368.4
fwW=2.36
sdS=1173.0
fwS=2.57
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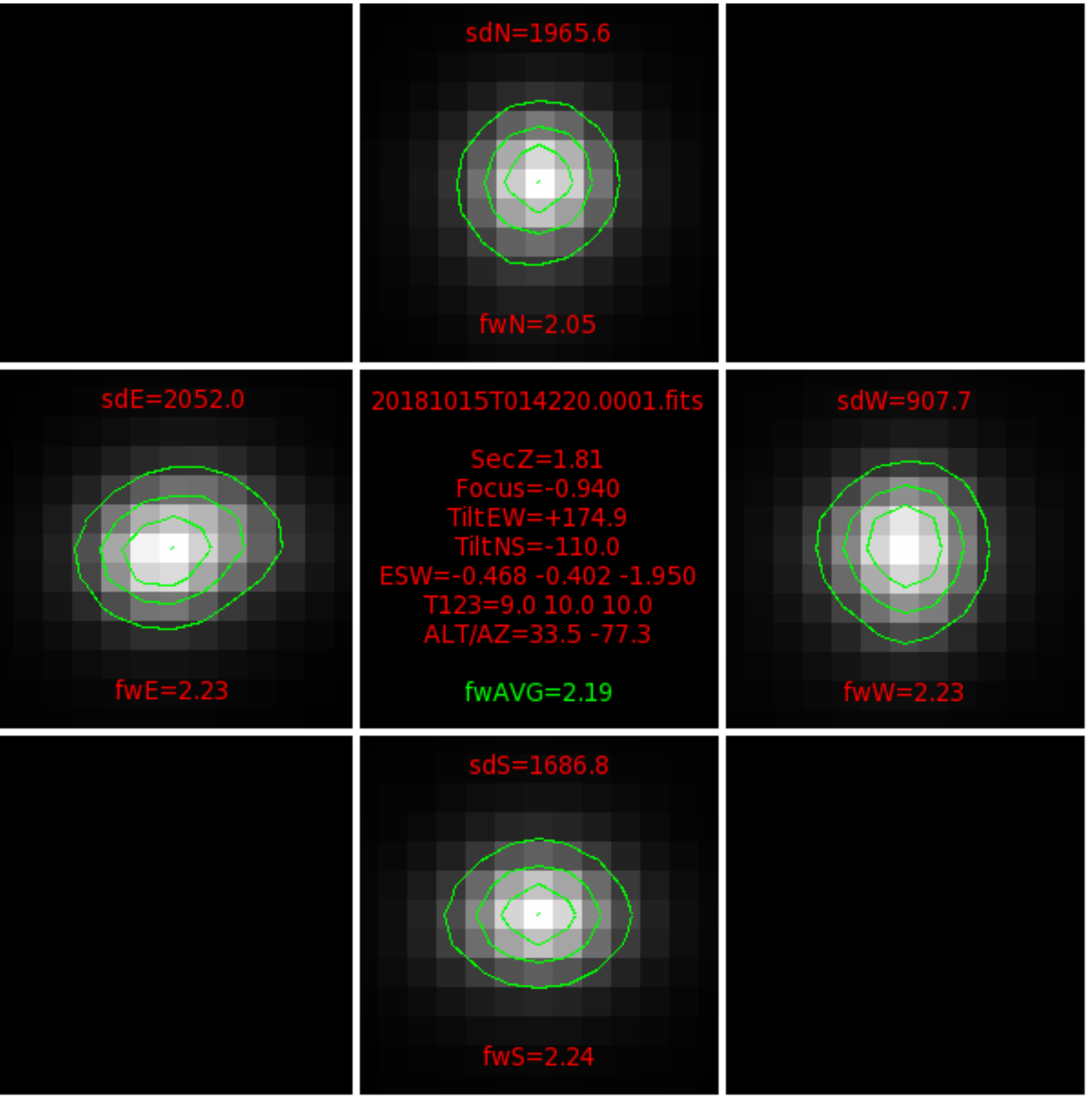
sdN=1965.6
fwN=2.05
sdE=2052.0
fwE=2.23
20181015T014220.0001.fits
SecZ=1.81
Focus=-0.940
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.468 -0.402 -1.950
T123=9.0 10.0 10.0
ALT/AZ=33.5 -77.3
fwAVG=2.19
sdW=907.7
fwW=2.23
sdS=1686.8
fwS=2.24
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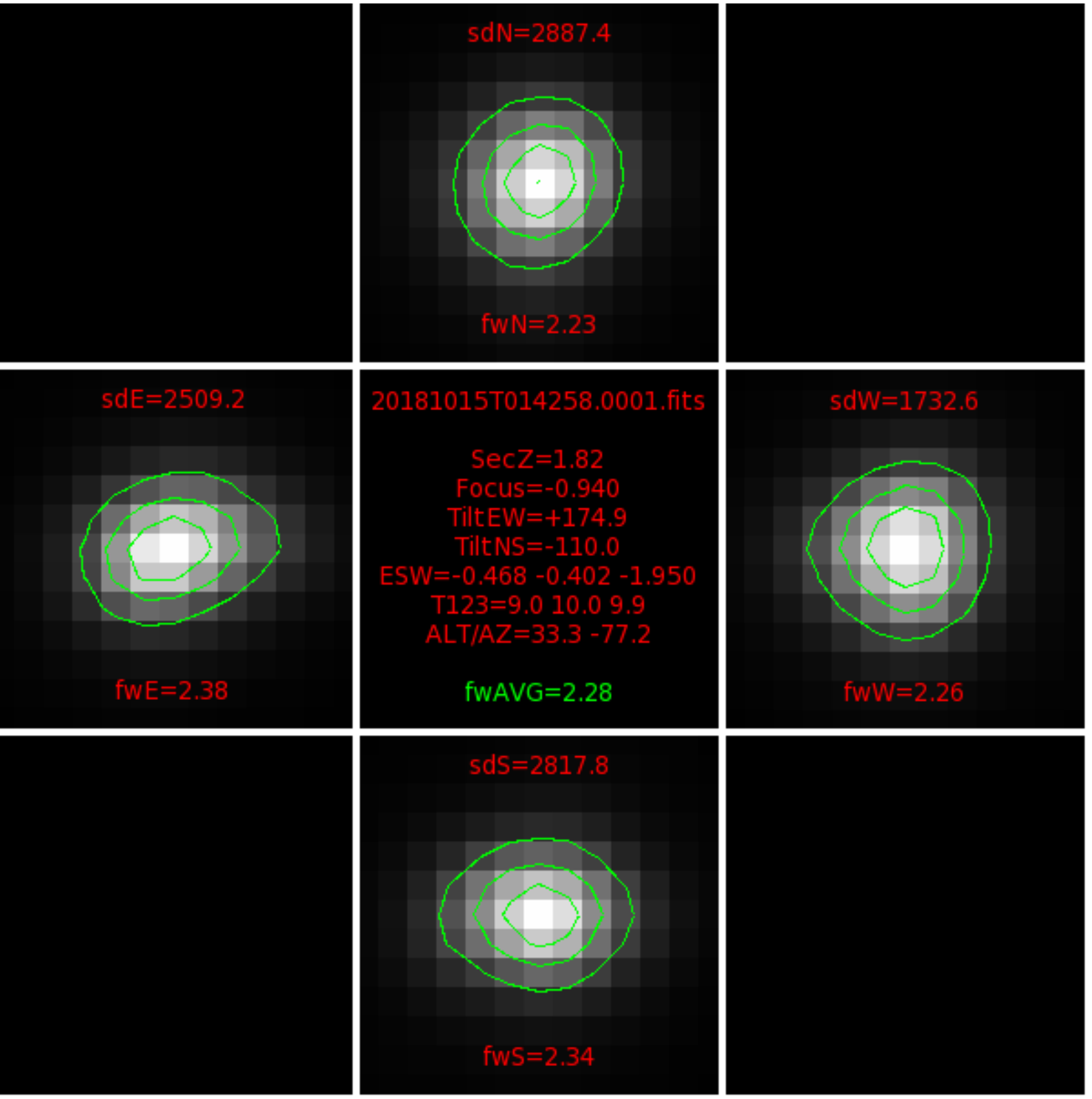
sdN=2887.4
fwN=2.23
sdE=2509.2
fwE=2.38
20181015T014258.0001.fits
SecZ=1.82
Focus=-0.940
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.468 -0.402 -1.950
T123=9.0 10.0 9.9
ALT/AZ=33.3 -77.2
fwAVG=2.28
sdW=1732.6
fwW=2.26
sdS=2817.8
fwS=2.34
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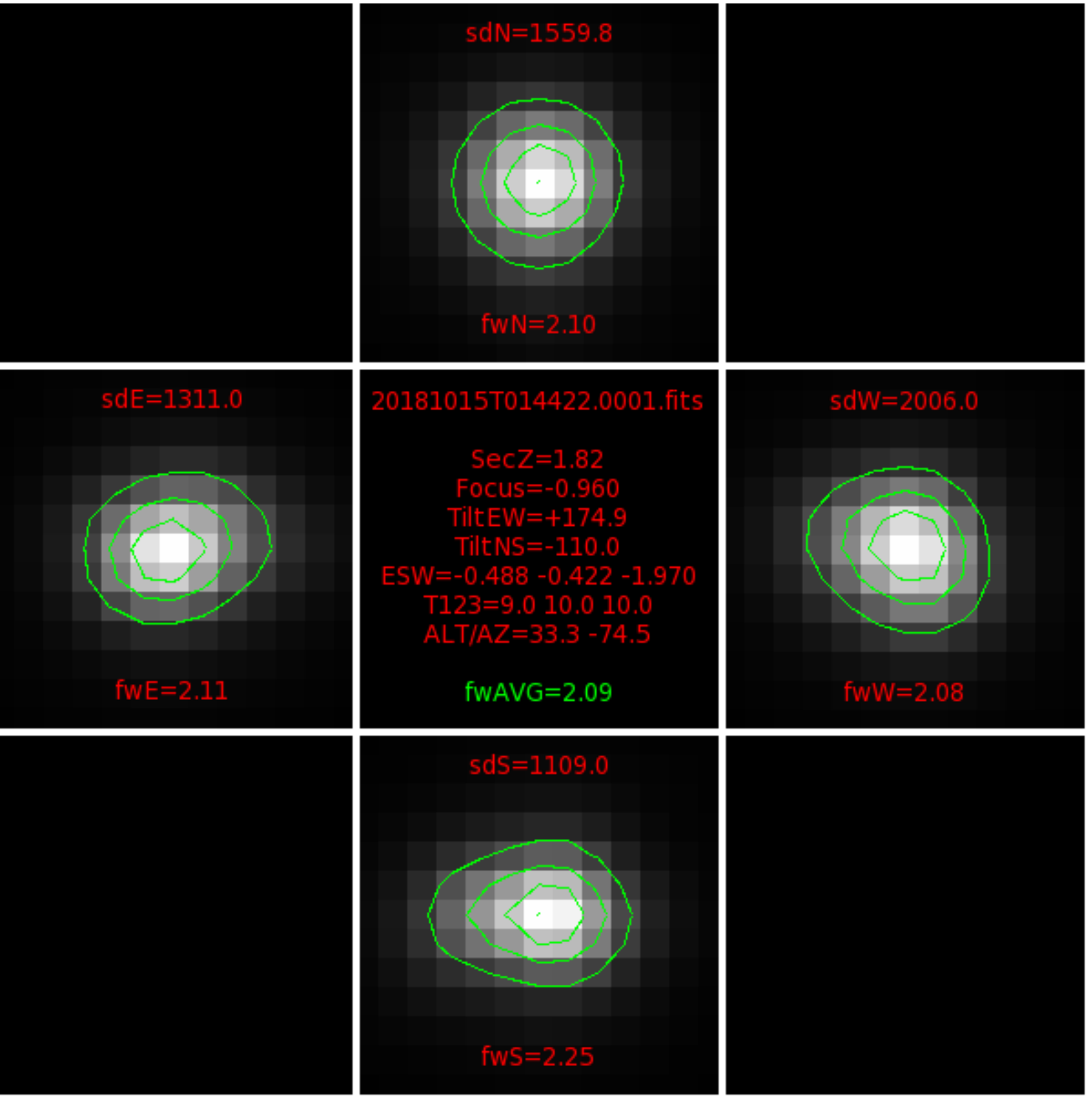
sdN=1559.8
fwN=2.10
sdE=1311.0
fwE=2.11
20181015T014422.0001.fits
SecZ=1.82
Focus=-0.960
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.488 -0.422 -1.970
T123=9.0 10.0 10.0
ALT/AZ=33.3 -74.5
fwAVG=2.09
sdW=2006.0
fwW=2.08
sdS=1109.0
fwS=2.25
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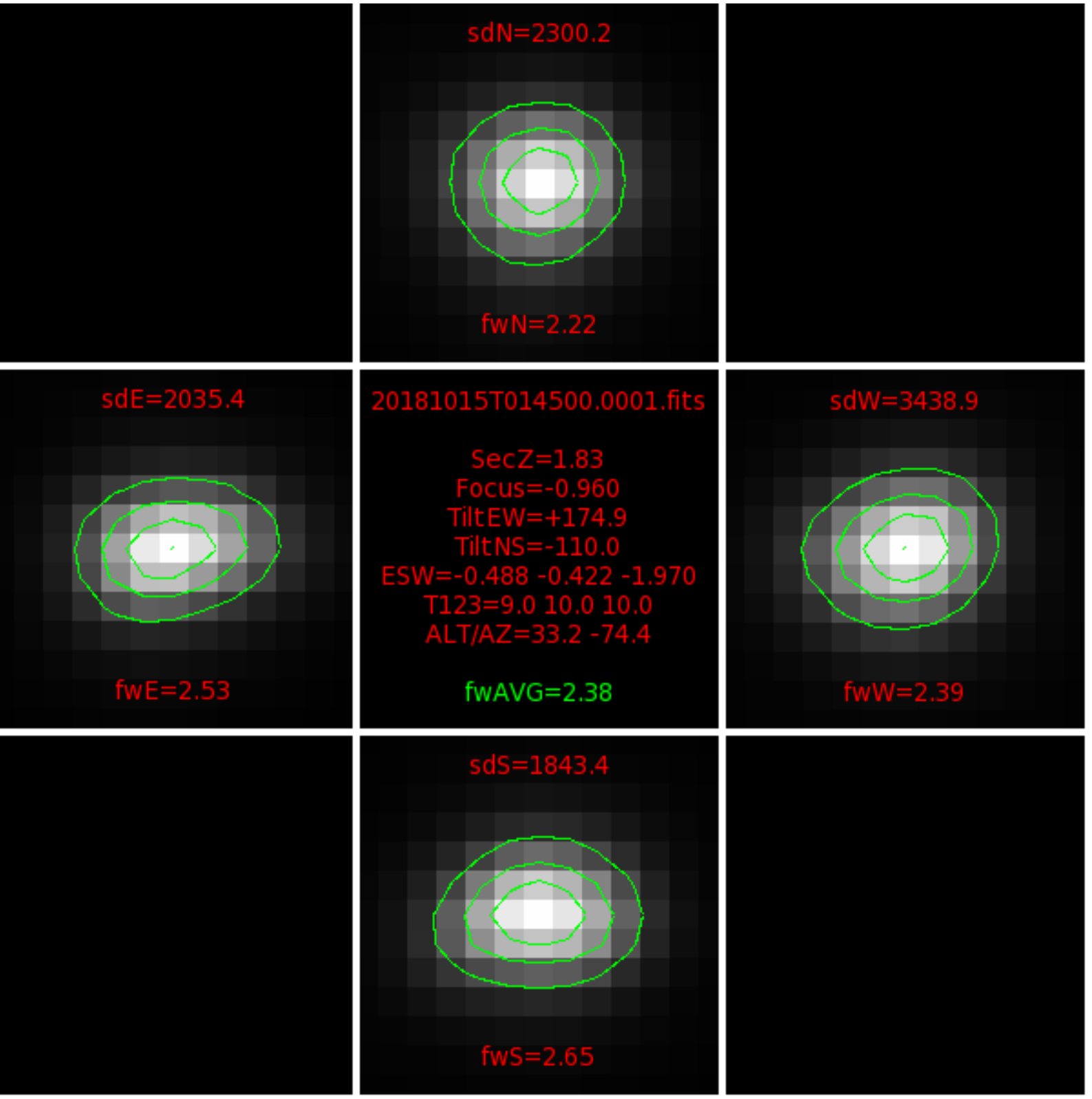
sdN=2300.2
fwN=2.22
sdE=2035.4
fwE=2.53
20181015T014500.0001.fits
SecZ=1.83
Focus=-0.960
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.488 -0.422 -1.970
T123=9.0 10.0 10.0
ALT/AZ=33.2 -74.4
fwAVG=2.38
sdW=3438.9
fwW=2.39
sdS=1843.4
fwS=2.65
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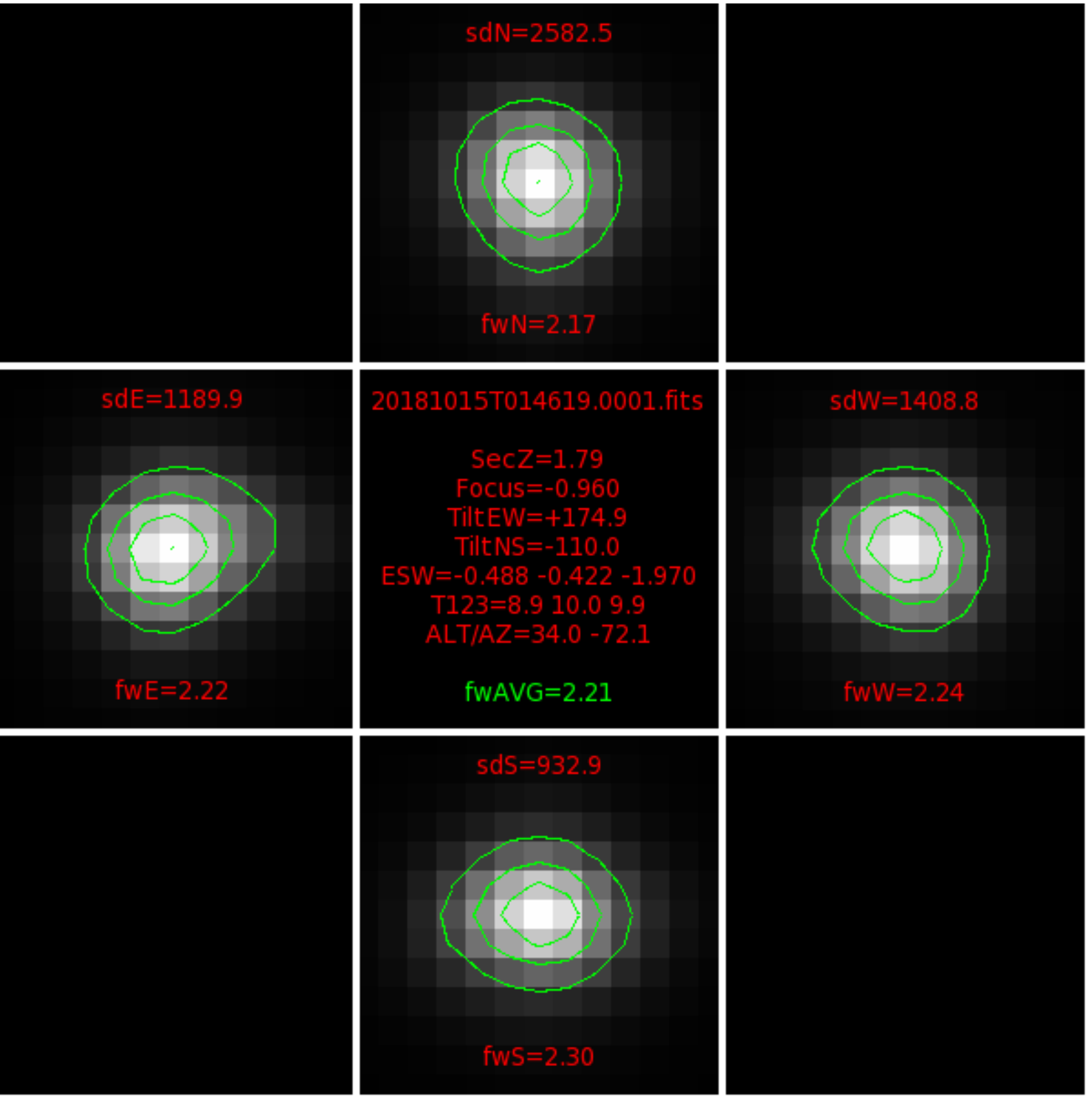
sdN=2582.5
fwN=2.17
sdE=1189.9
fwE=2.22
20181015T014619.0001.fits
SecZ=1.79
Focus=-0.960
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.488 -0.422 -1.970
T123=8.9 10.0 9.9
ALT/AZ=34.0 -72.1
fwAVG=2.21
sdW=1408.8
fwW=2.24
sdS=932.9
fwS=2.30
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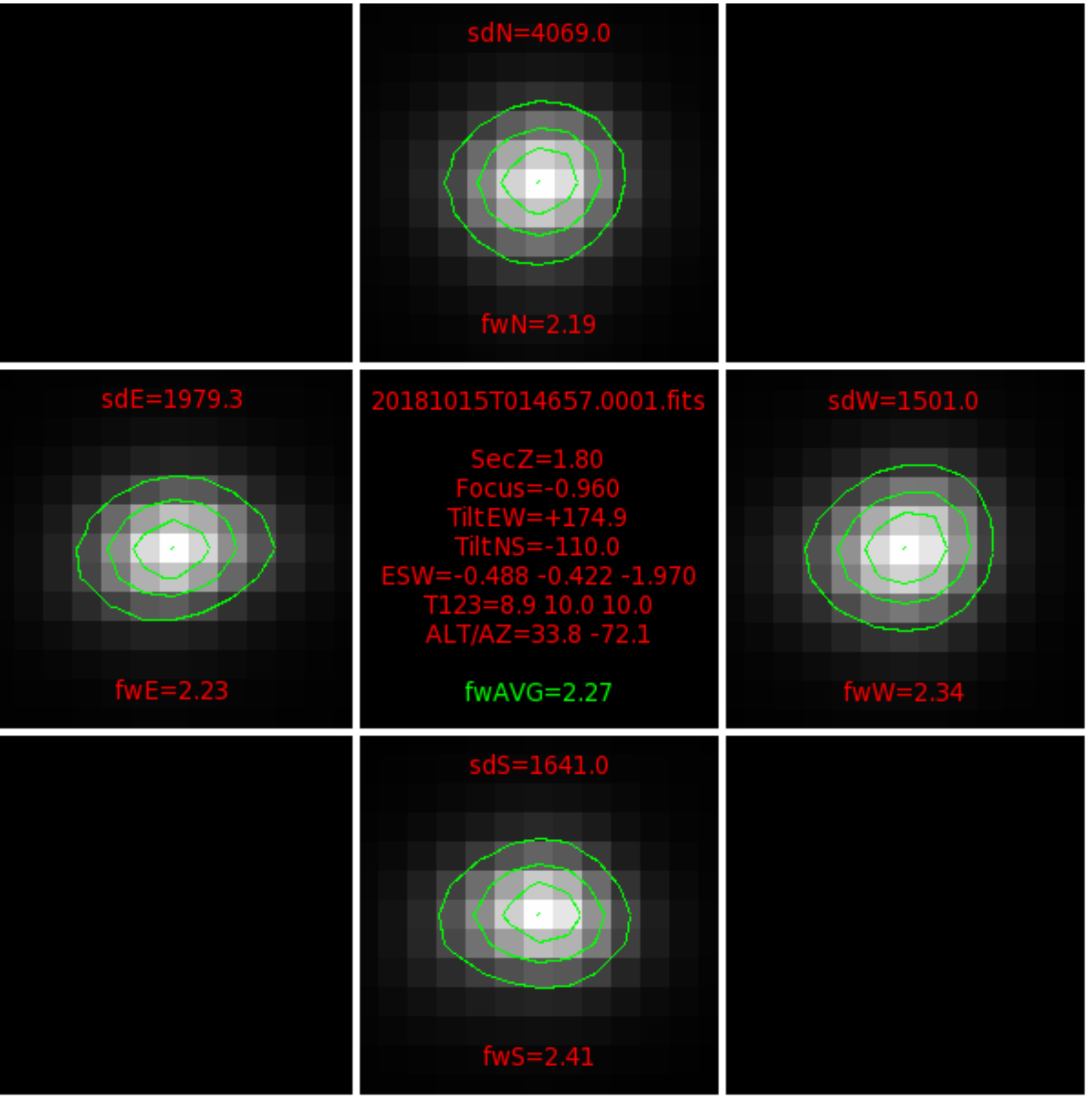
sdN=4069.0
fwN=2.19
sdE=1979.3
fwE=2.23
20181015T014657.0001.fits
SecZ=1.80
Focus=-0.960
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.488 -0.422 -1.970
T123=8.9 10.0 10.0
ALT/AZ=33.8 -72.1
fwAVG=2.27
sdW=1501.0
fwW=2.34
sdS=1641.0
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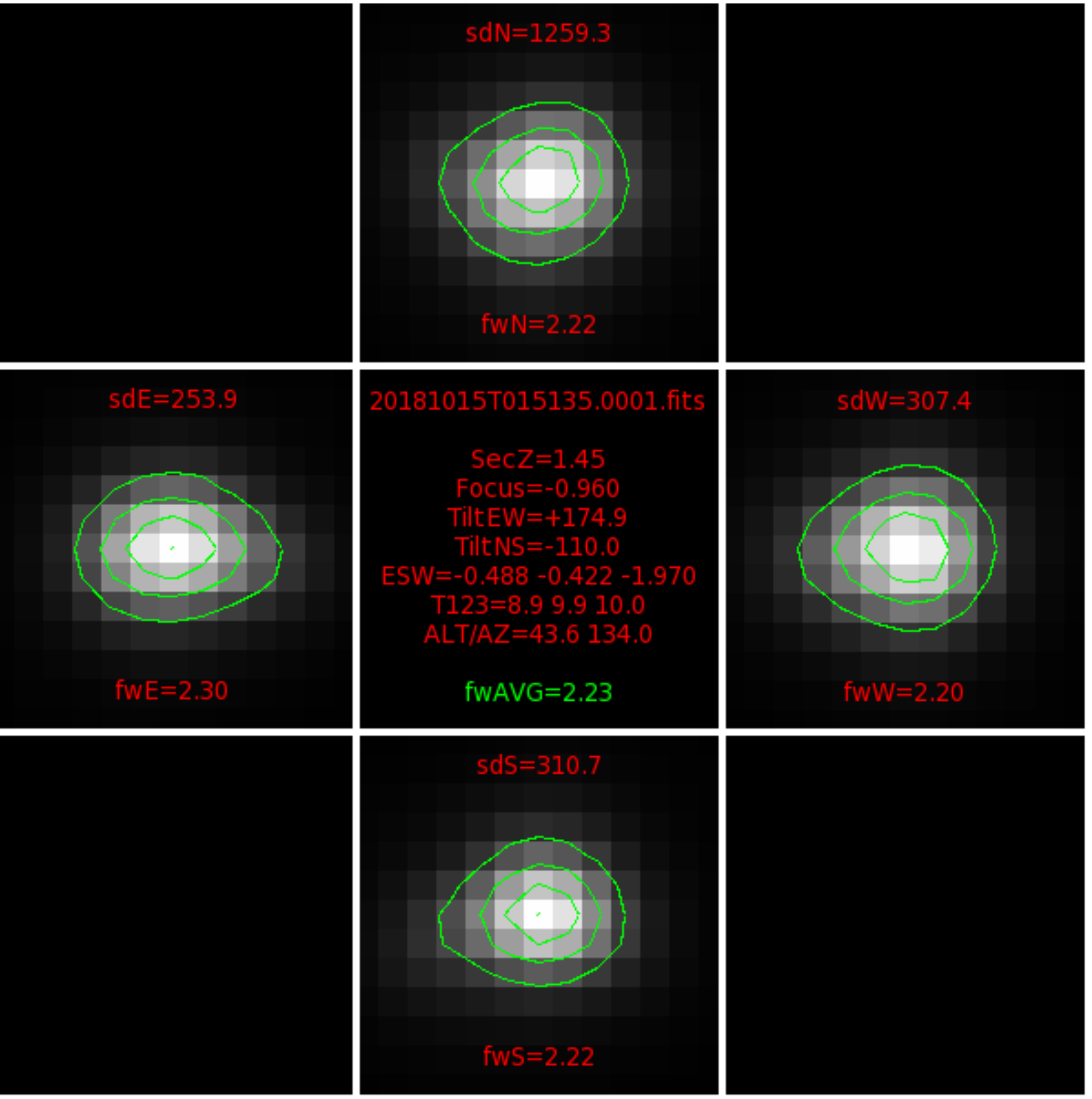
sdN=1259.3
fwN=2.22
sdE=253.9
fwE=2.30
20181015T015135.0001.fits
SecZ=1.45
Focus=-0.960
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.488 -0.422 -1.970
T123=8.9 9.9 10.0
ALT/AZ=43.6 134.0
fwAVG=2.23
sdW=307.4
fwW=2.20
sdS=310.7
fwS=2.22
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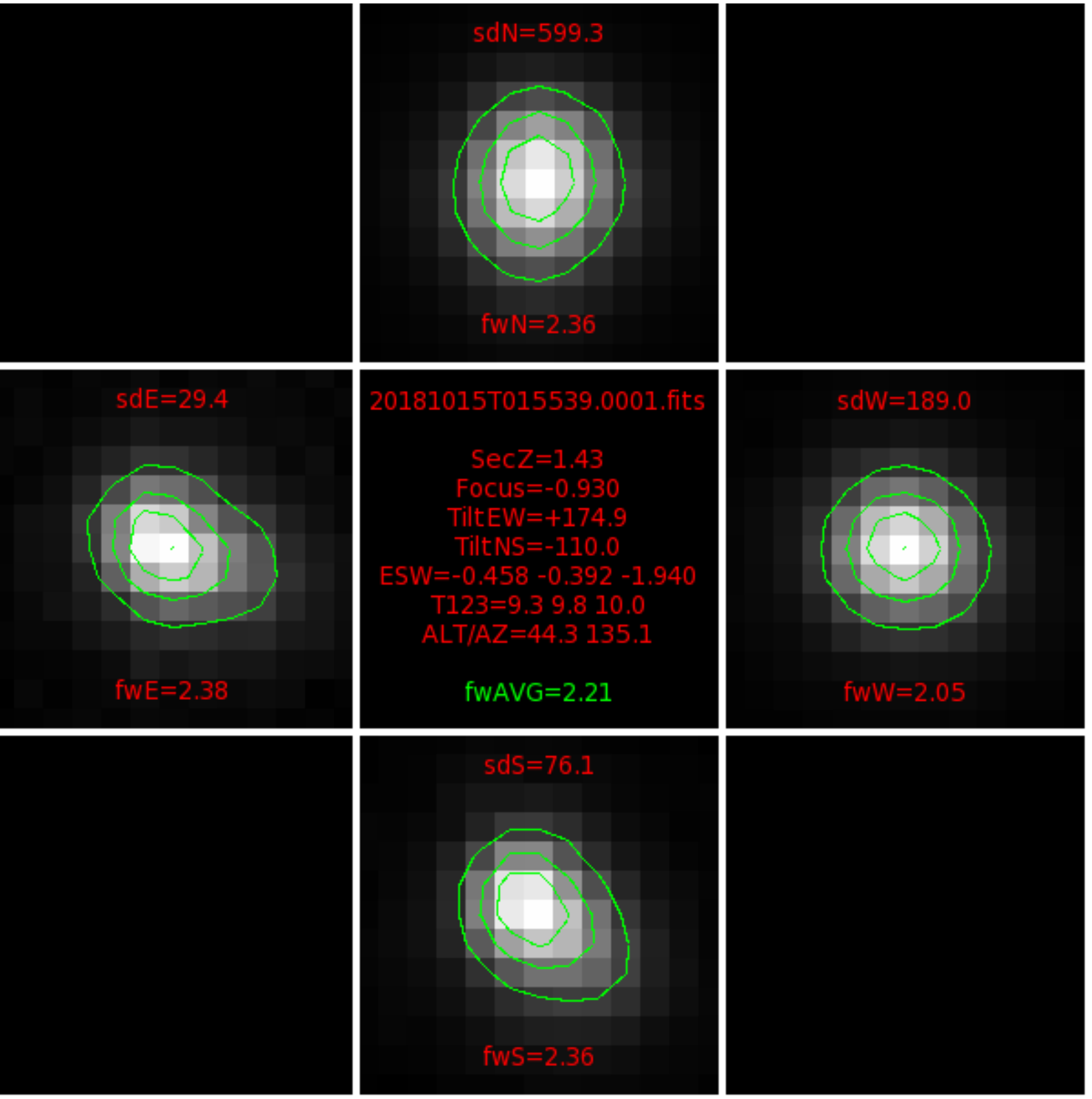
sdN=599.3
fwN=2.36
sdE=29.4
fwE=2.38
20181015T015539.0001.fits
SecZ=1.43
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.3 9.8 10.0
ALT/AZ=44.3 135.1
fwAVG=2.21
sdW=189.0
fwW=2.05
sdS=76.1
fwS=2.36
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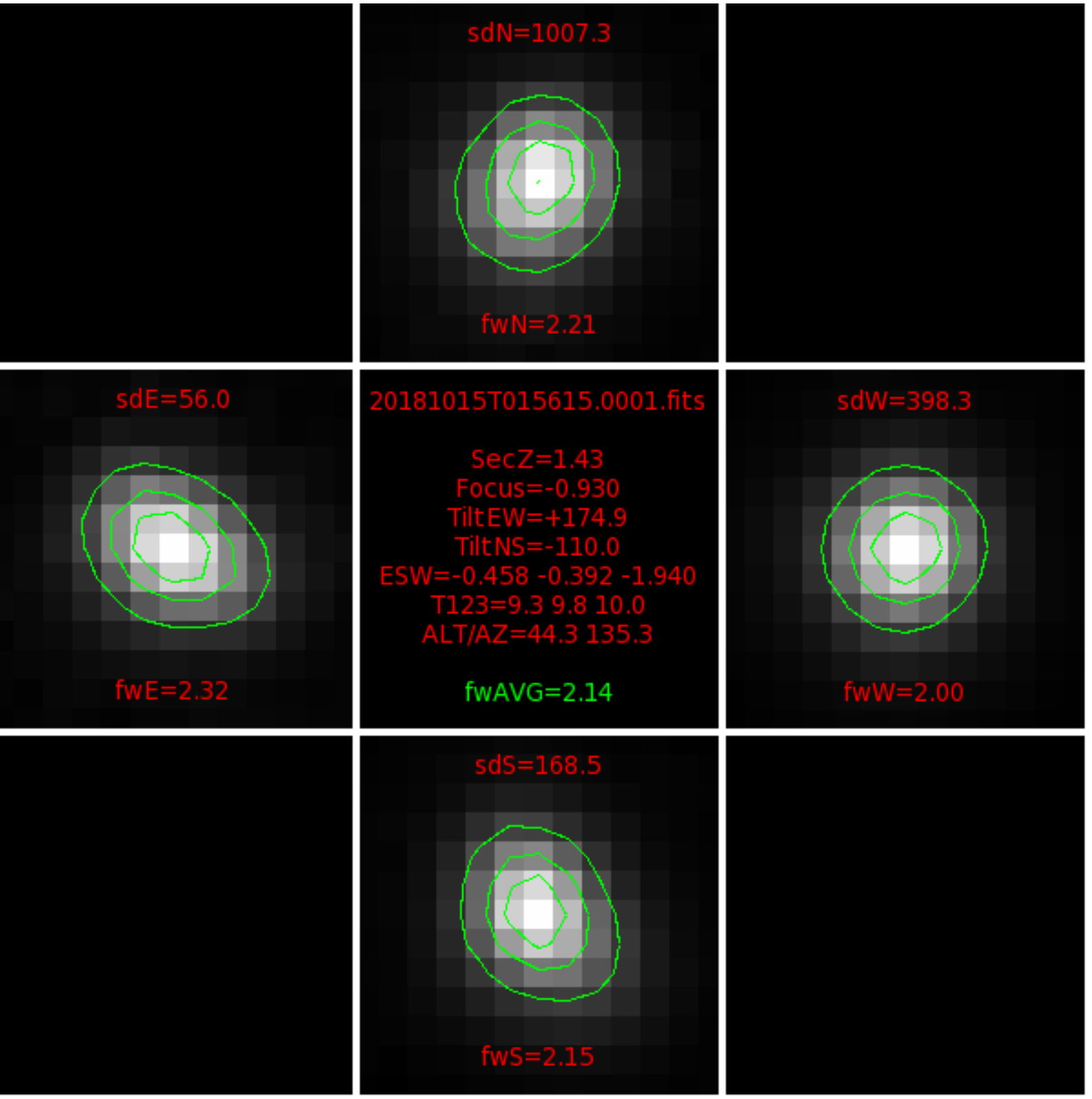
sdN=1007.3
fwN=2.21
sdE=56.0
fwE=2.32
20181015T015615.0001.fits
SecZ=1.43
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.3 9.8 10.0
ALT/AZ=44.3 135.3
fwAVG=2.14
sdW=398.3
fwW=2.00
sdS=168.5
fwS=2.15
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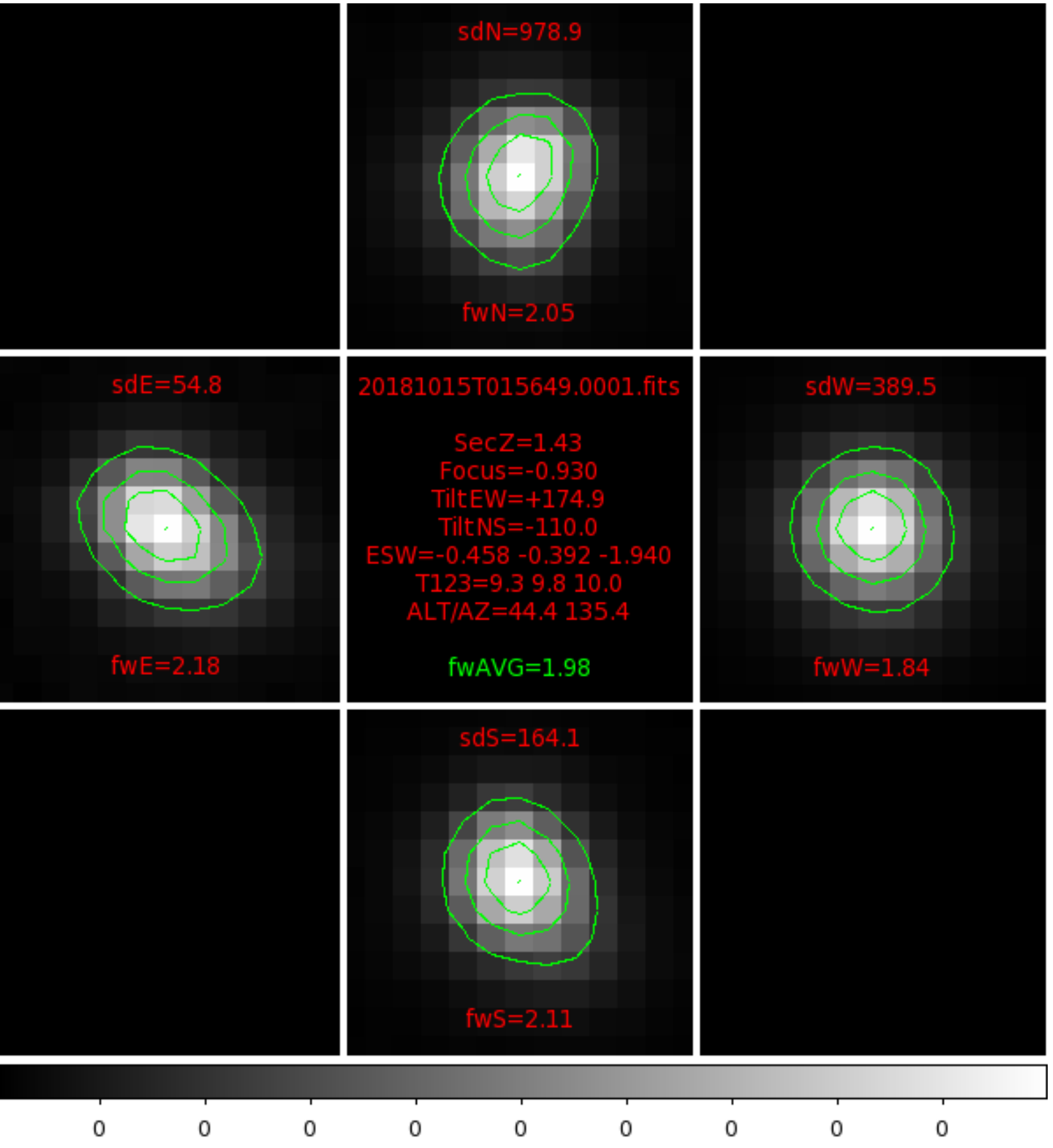
sdN=978.9
fwN=2.05
sdE=54.8
fwE=2.18
20181015T015649.0001.fits
SecZ=1.43
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.3 9.8 10.0
ALT/AZ=44.4 135.4
fwAVG=1.98
sdW=389.5
fwW=1.84
sdS=164.1
fwS=2.11
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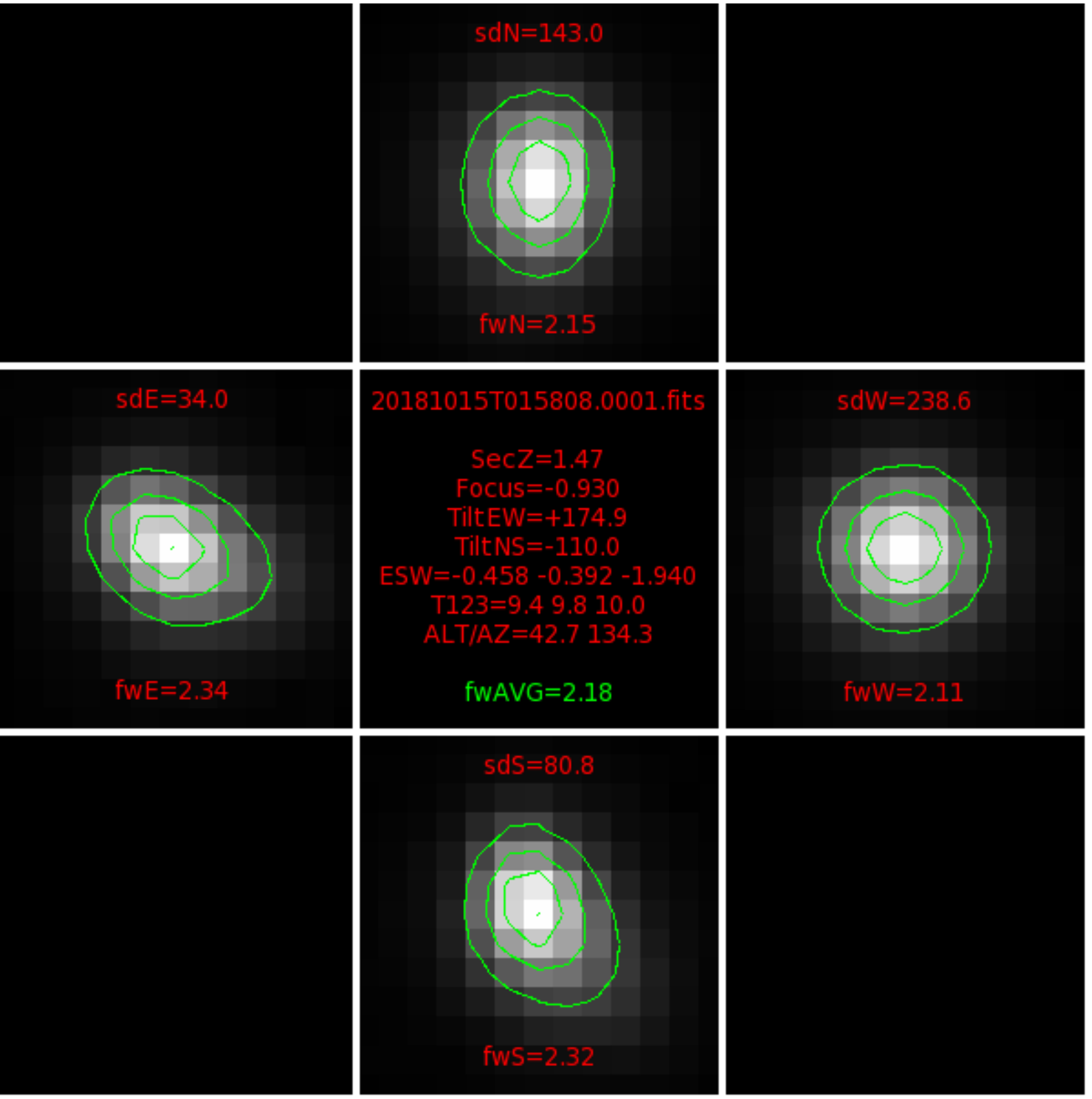
sdN=143.0
fwN=2.15
sdE=34.0
fwE=2.34
20181015T015808.0001.fits
SecZ=1.47
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.4 9.8 10.0
ALT/AZ=42.7 134.3
fwAVG=2.18
sdW=238.6
fwW=2.11
sdS=80.8
fwS=2.32
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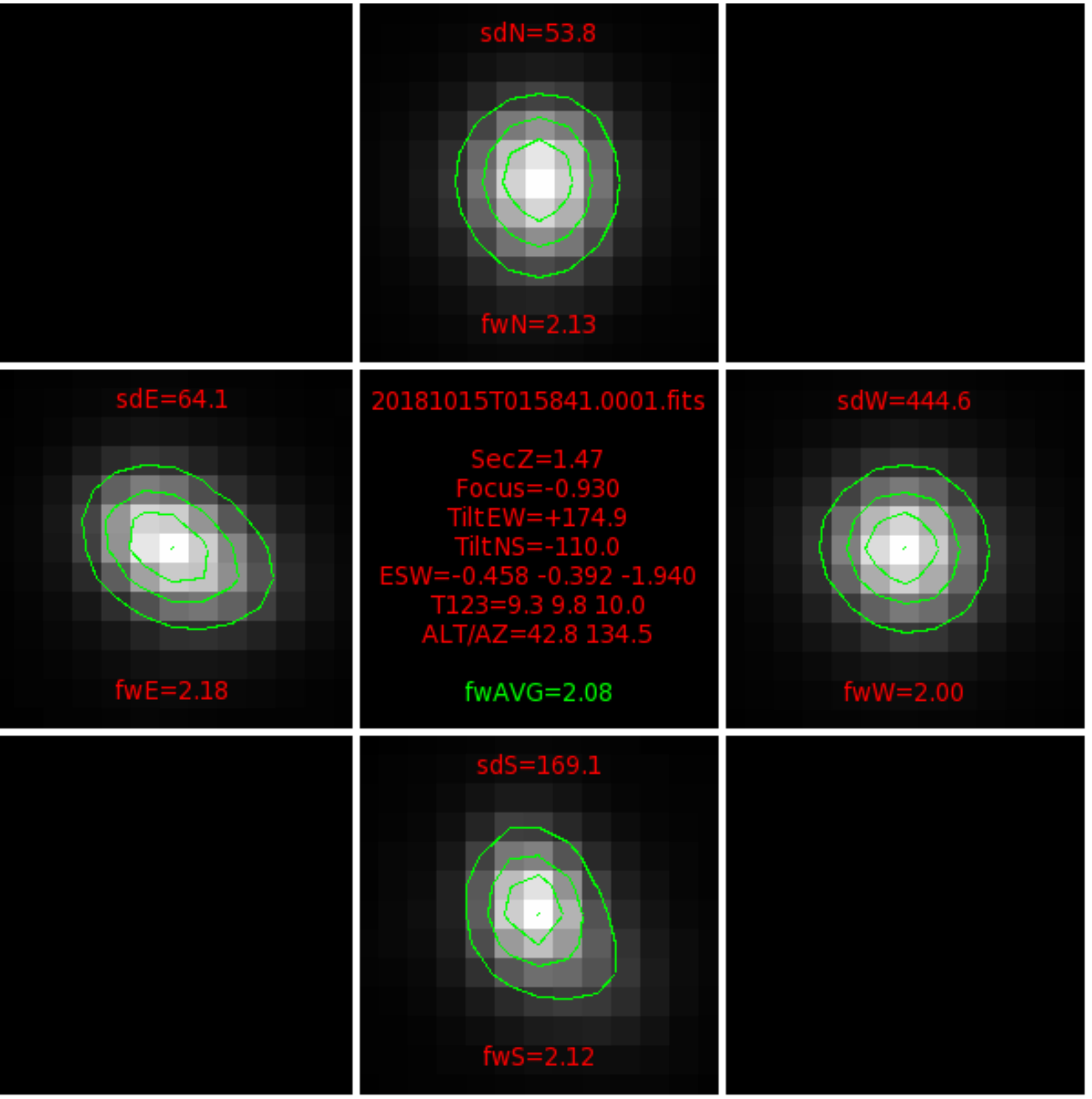
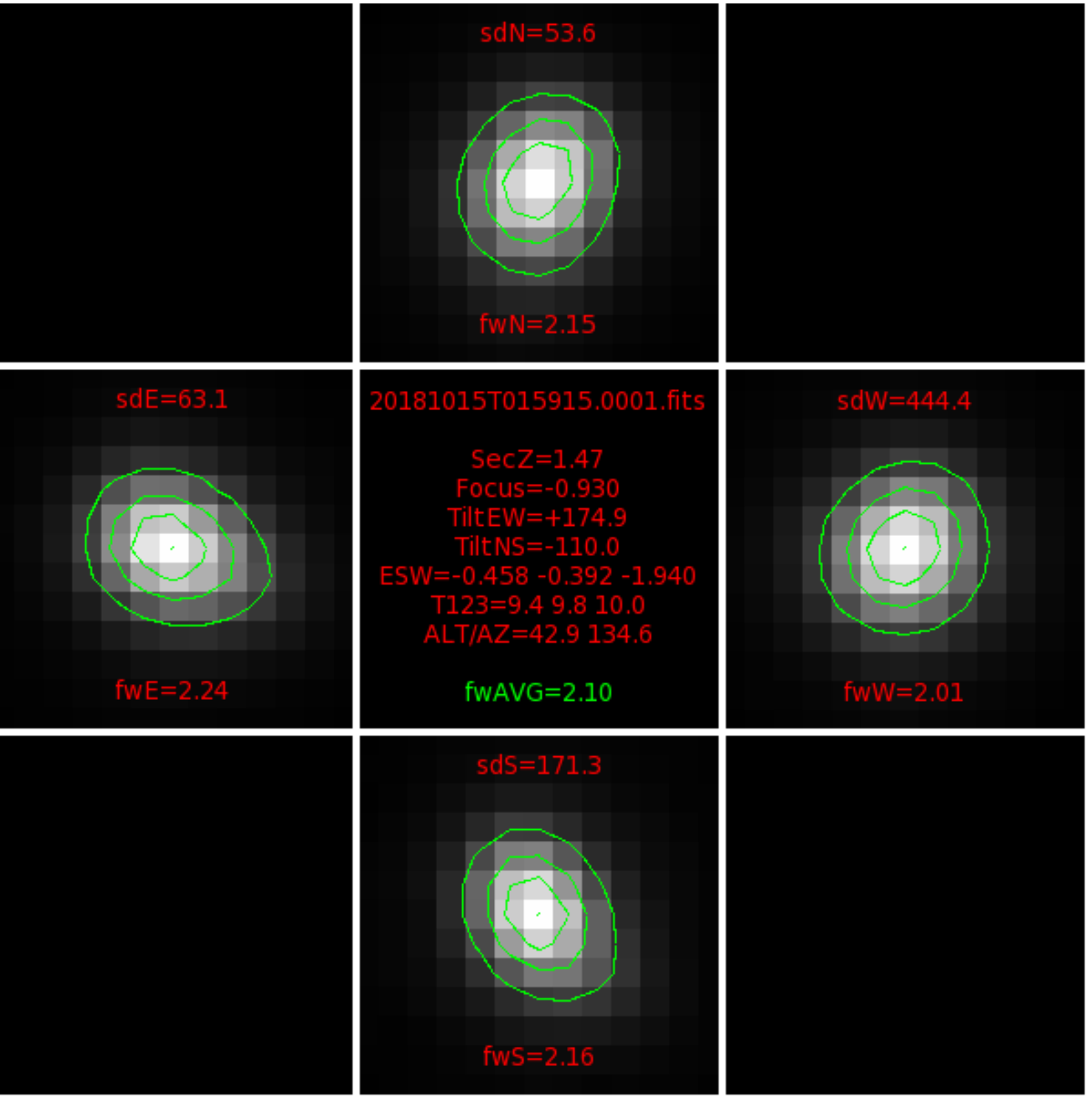

sdN=53.8
fwN=2.13
sdE=64.1
fwE=2.18
20181015T015841.0001.fits
SecZ=1.47
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.3 9.8 10.0
ALT/AZ=42.8 134.5
fwAVG=2.08
sdW=444.6
fwW=2.00
sdS=169.1
fwS=2.12
0 0 0 0 0 0 0 0 0


sdN=53.6
fwN=2.15
sdE=63.1
fwE=2.24
20181015T015915.0001.fits
SecZ=1.47
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.4 9.8 10.0
ALT/AZ=42.9 134.6
fwAVG=2.10
sdW=444.4
fwW=2.01
sdS=171.3
fwS=2.16
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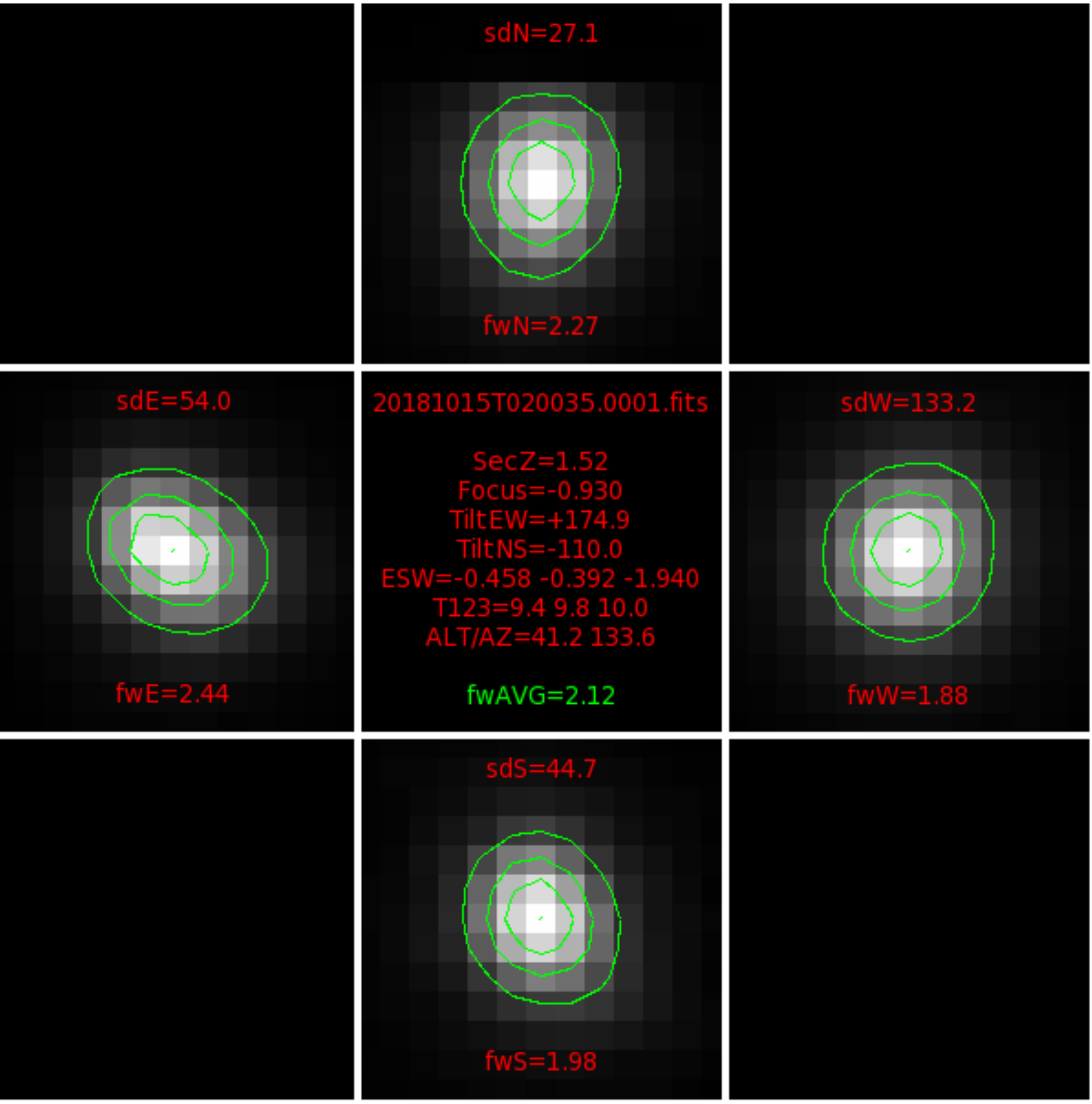
sdN=27.1
fwN=2.27
sdE=54.0
fwE=2.44
20181015T020035.0001.fits
SecZ=1.52
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.4 9.8 10.0
ALT/AZ=41.2 133.6
fwAVG=2.12
sdW=133.2
fwW=1.88
sdS=44.7
fwS=1.98
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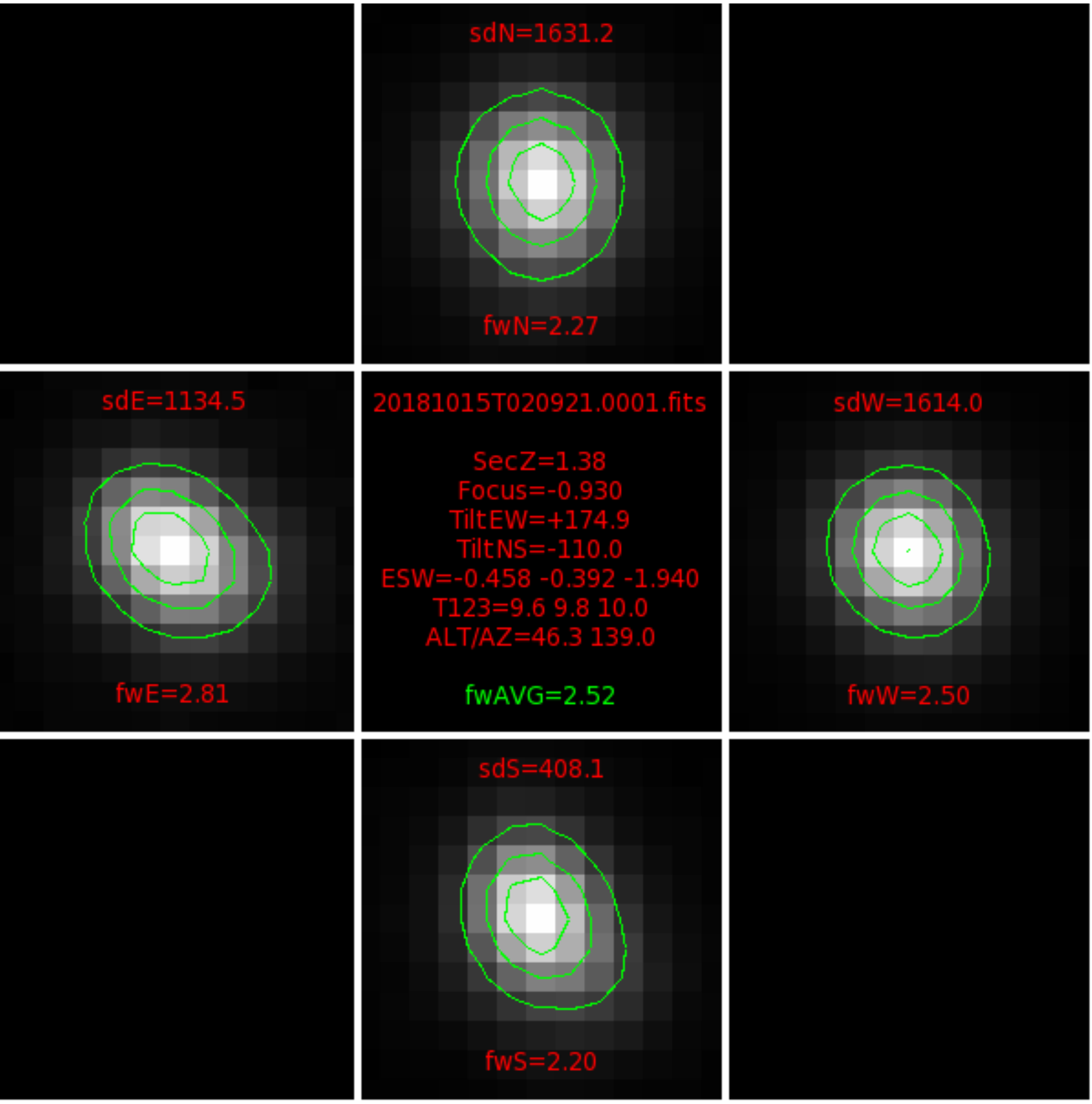
sdN=1631.2
fwN=2.27
sdE=1134.5
fwE=2.81
20181015T020921.0001.fits
SecZ=1.38
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.6 9.8 10.0
ALT/AZ=46.3 139.0
fwAVG=2.52
sdW=1614.0
fwW=2.50
sdS=408.1
fwS=2.20
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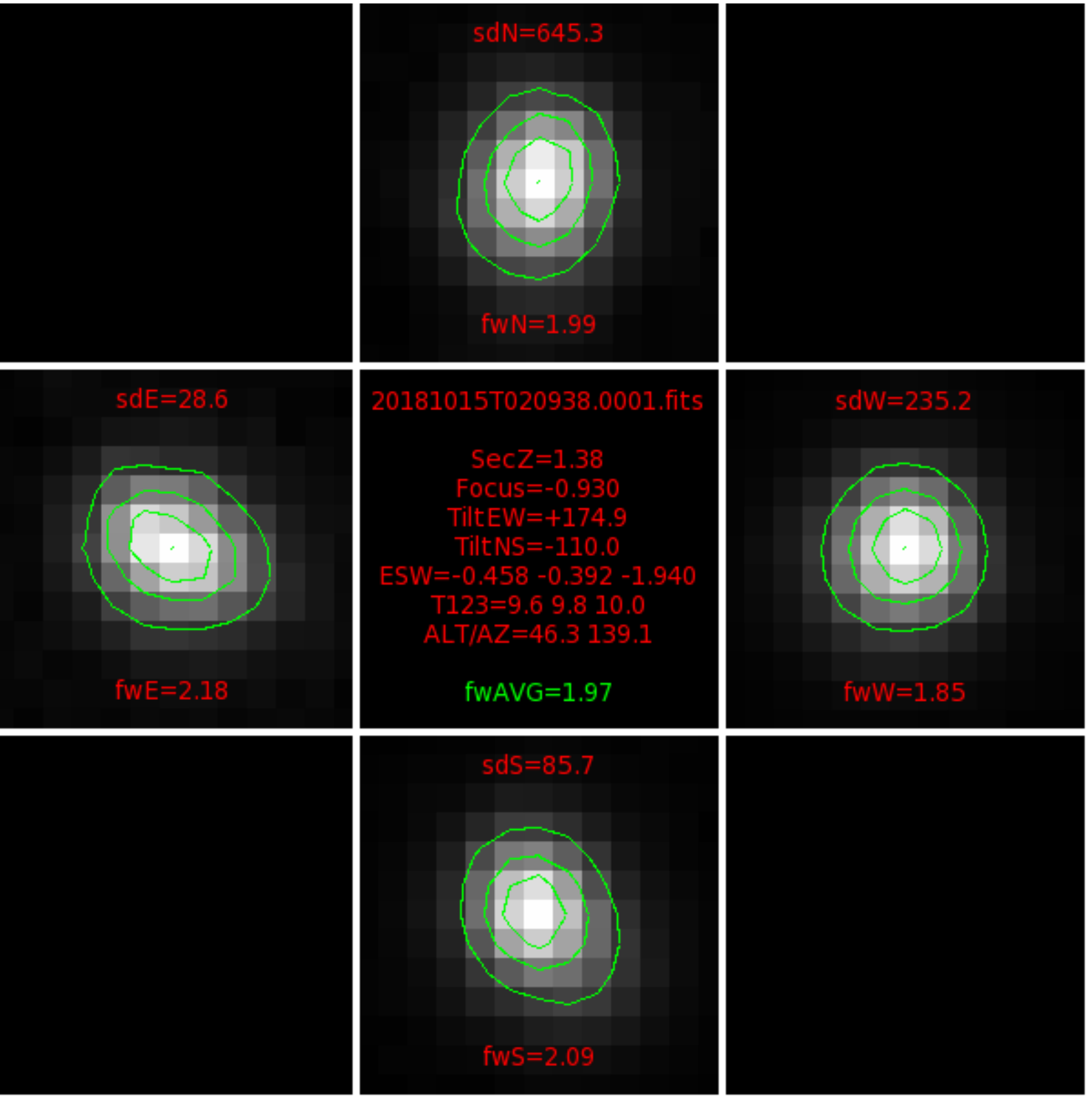
sdN=645.3
fwN=1.99
sdE=28.6
fwE=2.18
20181015T020938.0001.fits
SecZ=1.38
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.6 9.8 10.0
ALT/AZ=46.3 139.1
fwAVG=1.97
sdW=235.2
fwW=1.85
sdS=85.7
fwS=2.09
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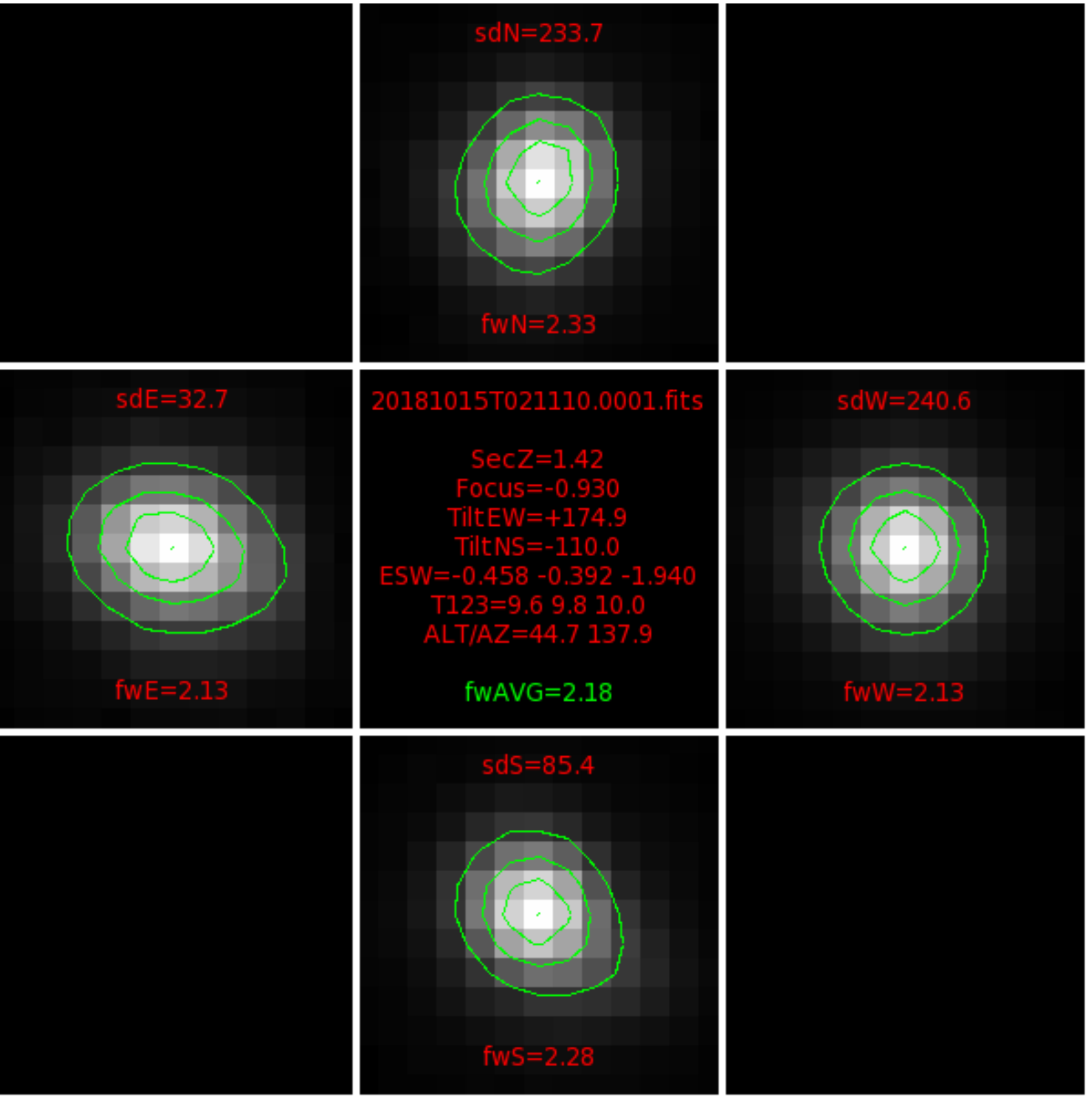
sdN=233.7
fwN=2.33
sdE=32.7
fwE=2.13
20181015T021110.0001.fits
SecZ=1.42
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.6 9.8 10.0
ALT/AZ=44.7 137.9
fwAVG=2.18
sdW=240.6
fwW=2.13
sdS=85.4
fwS=2.28
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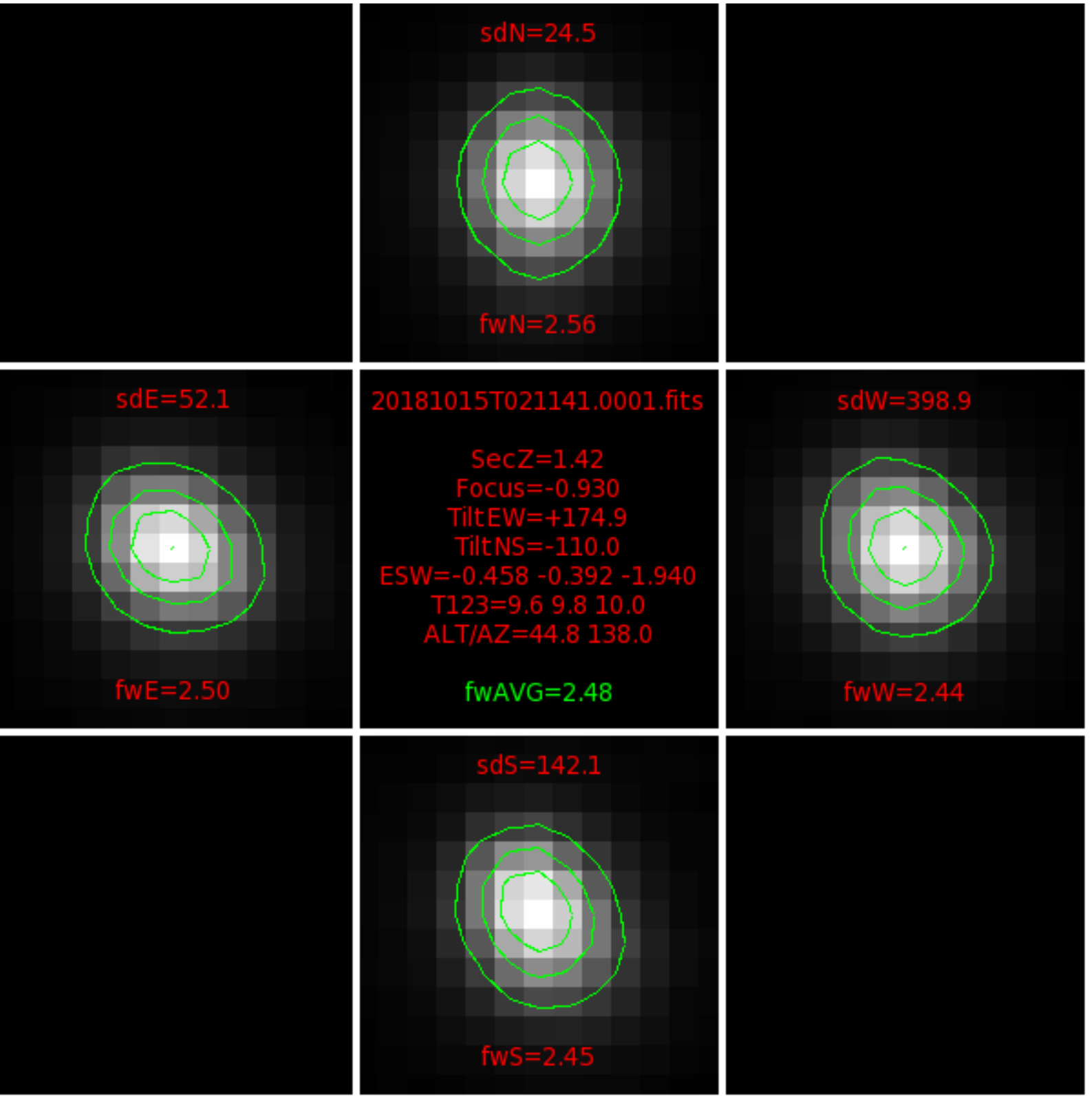
sdN=24.5
fwN=2.56
sdE=52.1
fwE=2.50
20181015T021141.0001.fits
SecZ=1.42
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.6 9.8 10.0
ALT/AZ=44.8 138.0
fwAVG=2.48
sdW=398.9
fwW=2.44
sdS=142.1
fwS=2.45
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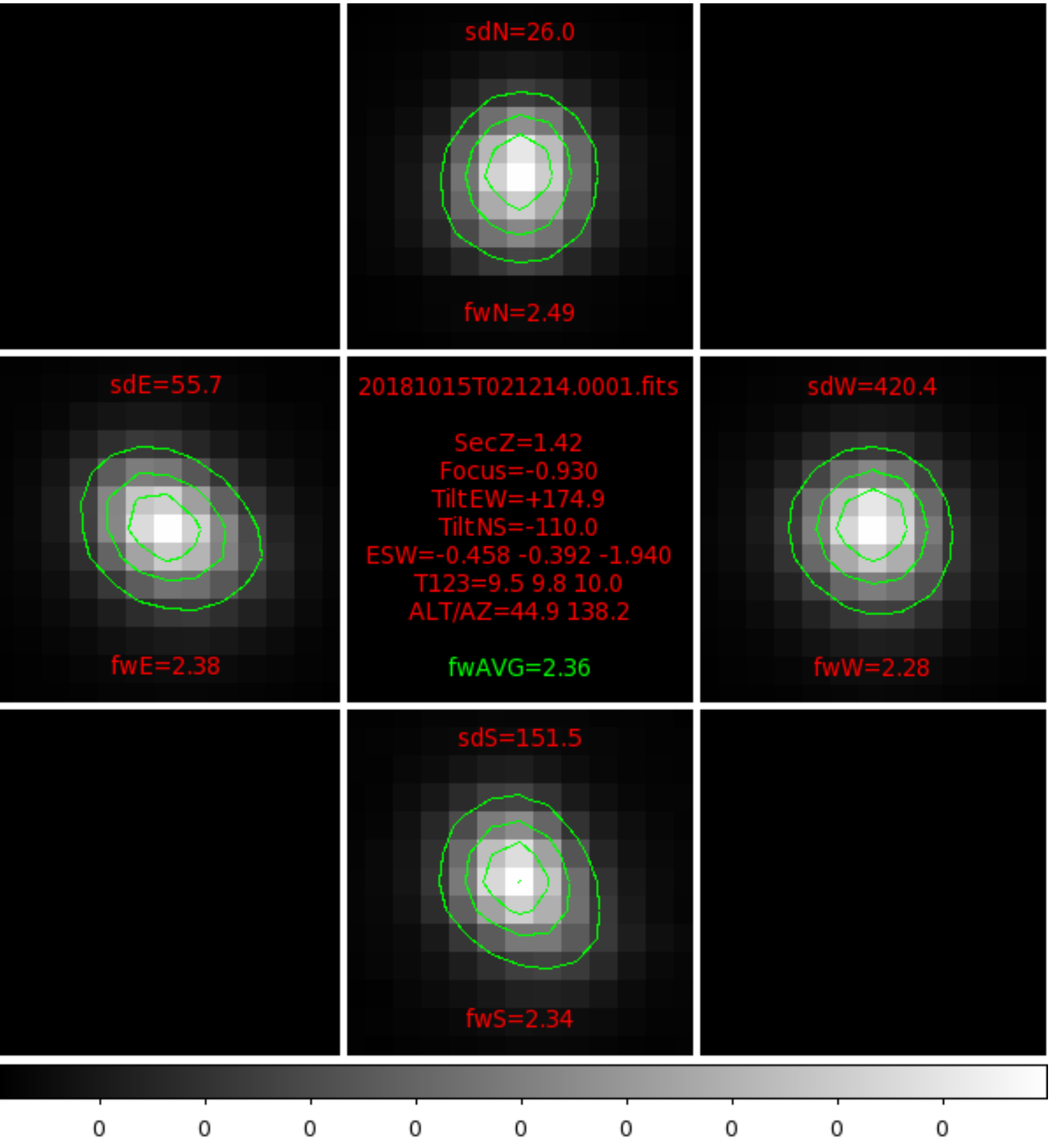
sdN=26.0
fwN=2.49
sdE=55.7
fwE=2.38
20181015T021214.0001.fits
SecZ=1.42
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.5 9.8 10.0
ALT/AZ=44.9 138.2
fwAVG=2.36
sdW=420.4
fwW=2.28
sdS=151.5
fwS=2.34
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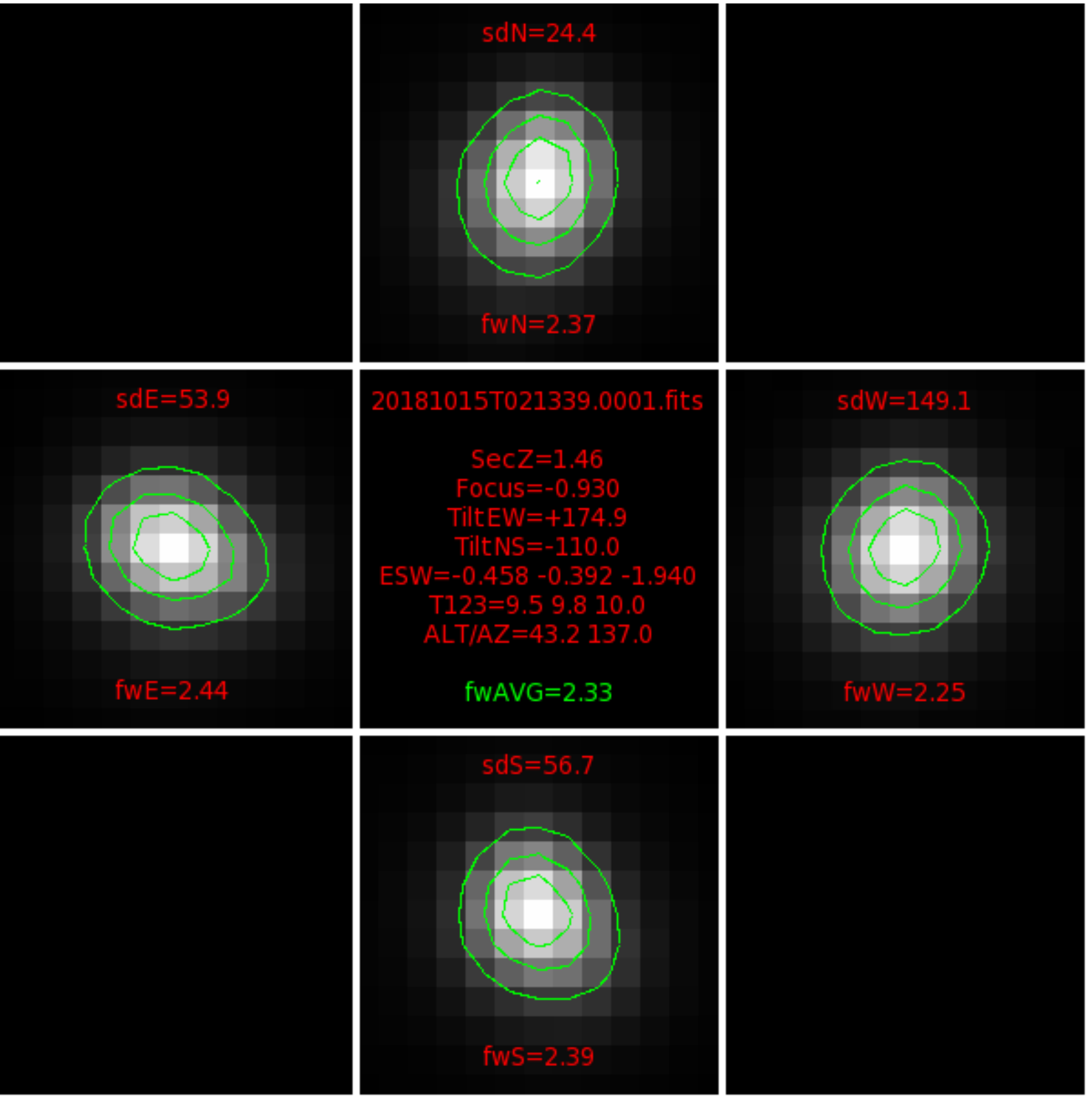
sdN=24.4
fwN=2.37
sdE=53.9
fwE=2.44
20181015T021339.0001.fits
SecZ=1.46
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.5 9.8 10.0
ALT/AZ=43.2 137.0
fwAVG=2.33
sdW=149.1
fwW=2.25
sdS=56.7
fwS=2.39
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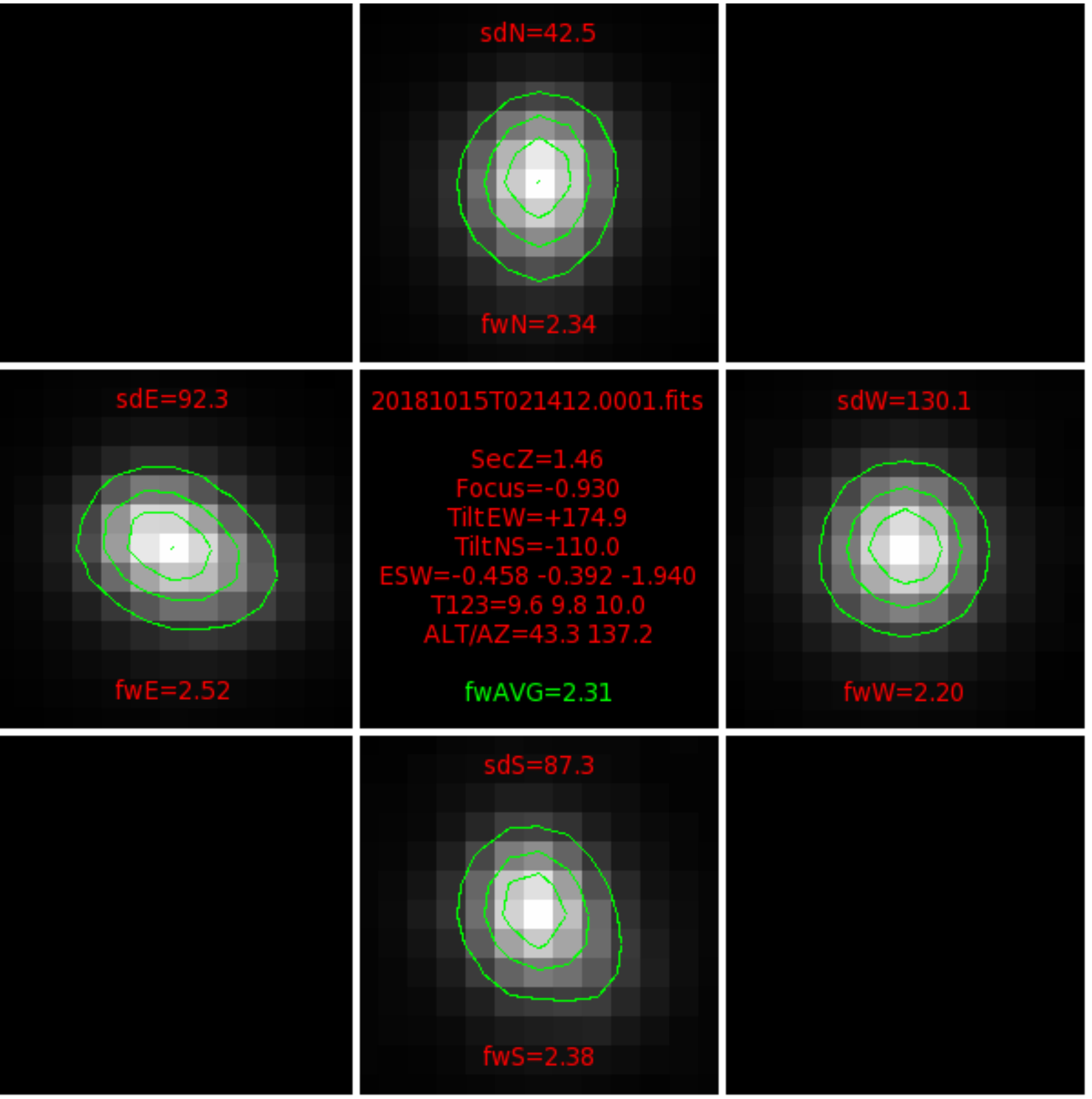
sdN=42.5
fwN=2.34
sdE=92.3
fwE=2.52
20181015T021412.0001.fits
SecZ=1.46
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.6 9.8 10.0
ALT/AZ=43.3 137.2
fwAVG=2.31
sdW=130.1
fwW=2.20
sdS=87.3
fwS=2.38
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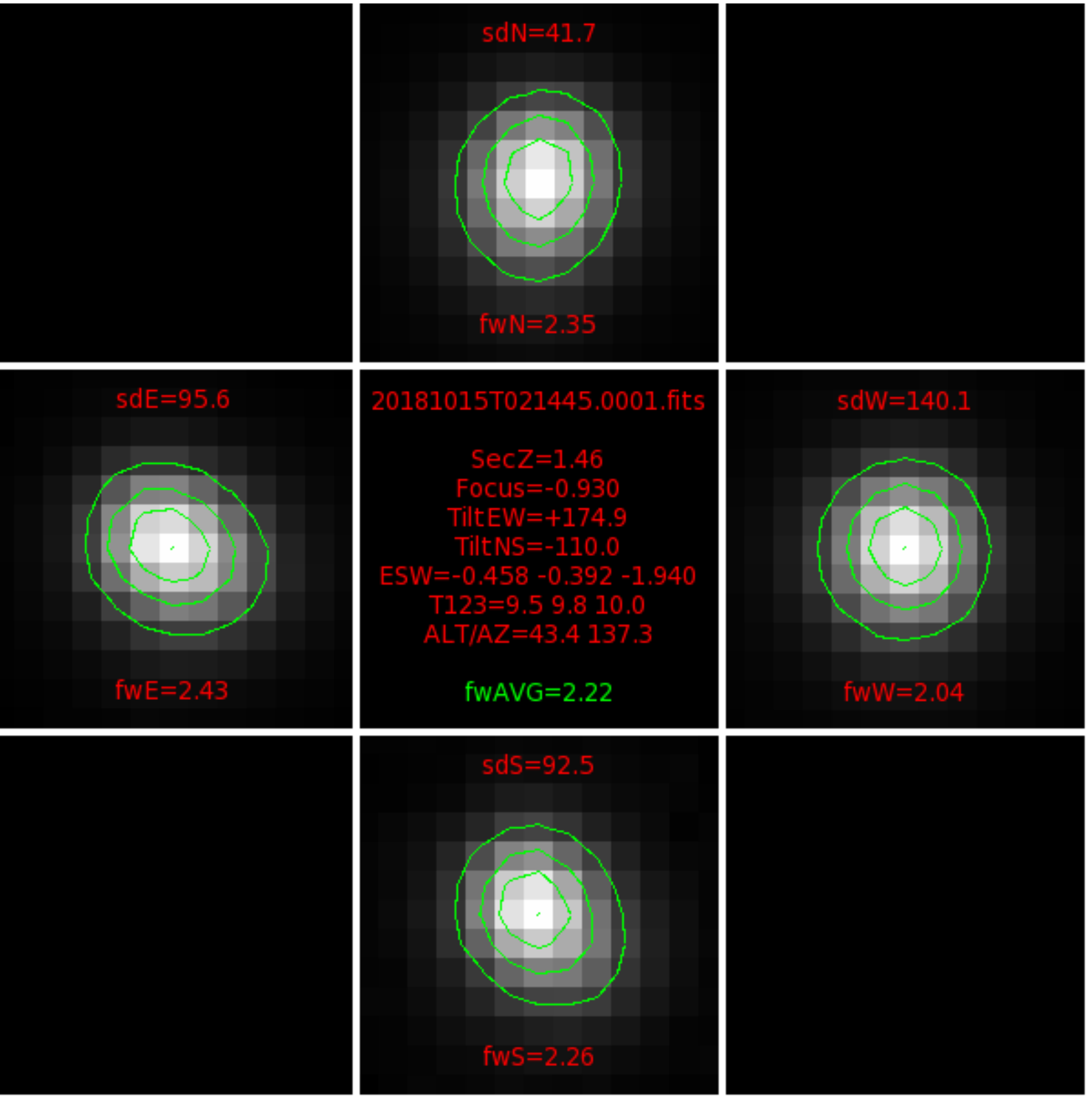
sdN=41.7
fwN=2.35
sdE=95.6
fwE=2.43
20181015T021445.0001.fits
SecZ=1.46
Focus=-0.930
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.458 -0.392 -1.940
T123=9.5 9.8 10.0
ALT/AZ=43.4 137.3
fwAVG=2.22
sdW=140.1
fwW=2.04
sdS=92.5
fwS=2.26
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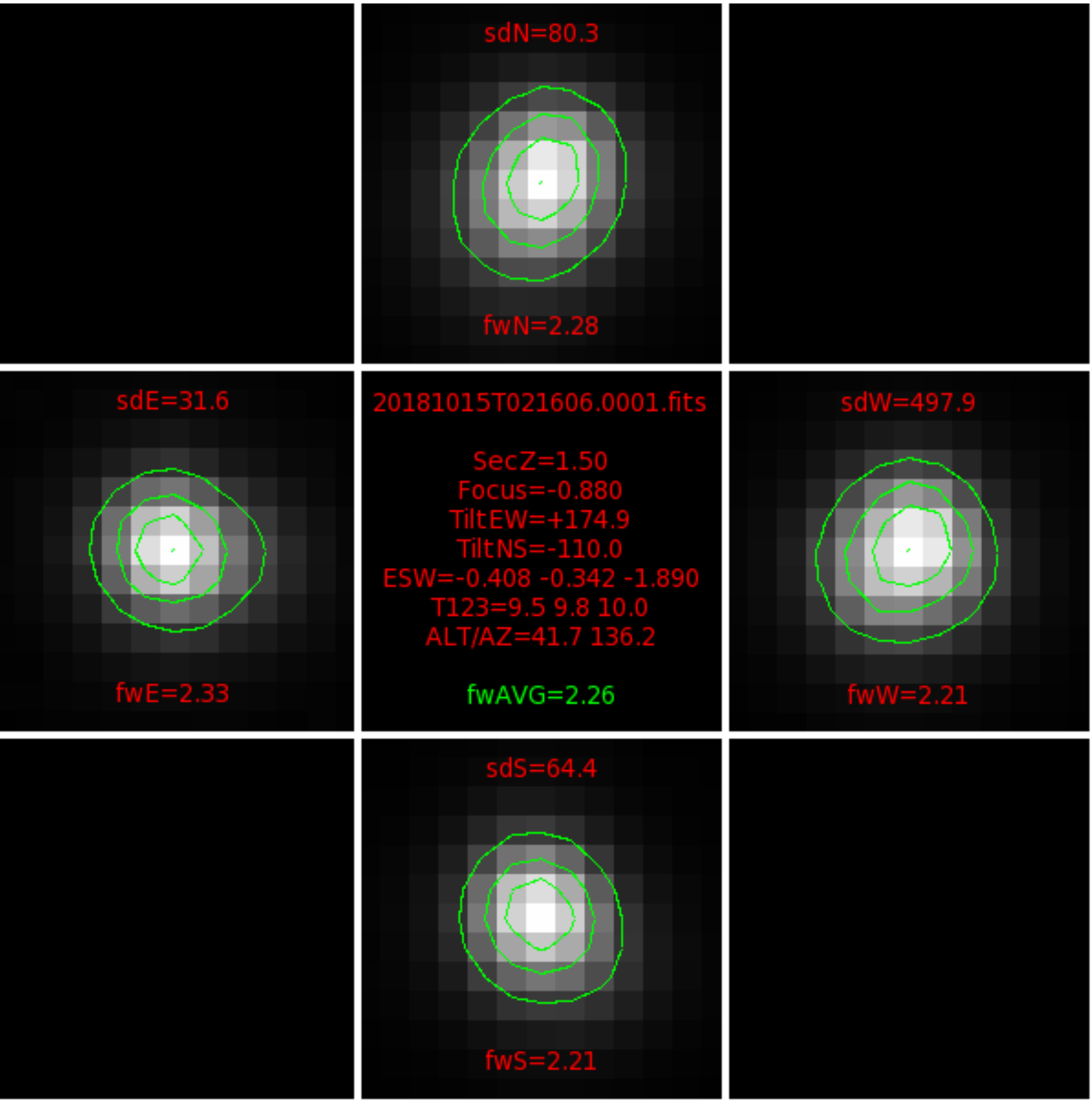
sdN=80.3
fwN=2.28
sdE=31.6
fwE=2.33
20181015T021606.0001.fits
SecZ=1.50
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.5 9.8 10.0
ALT/AZ=41.7 136.2
fwAVG=2.26
sdW=497.9
fwW=2.21
sdS=64.4
fwS=2.21
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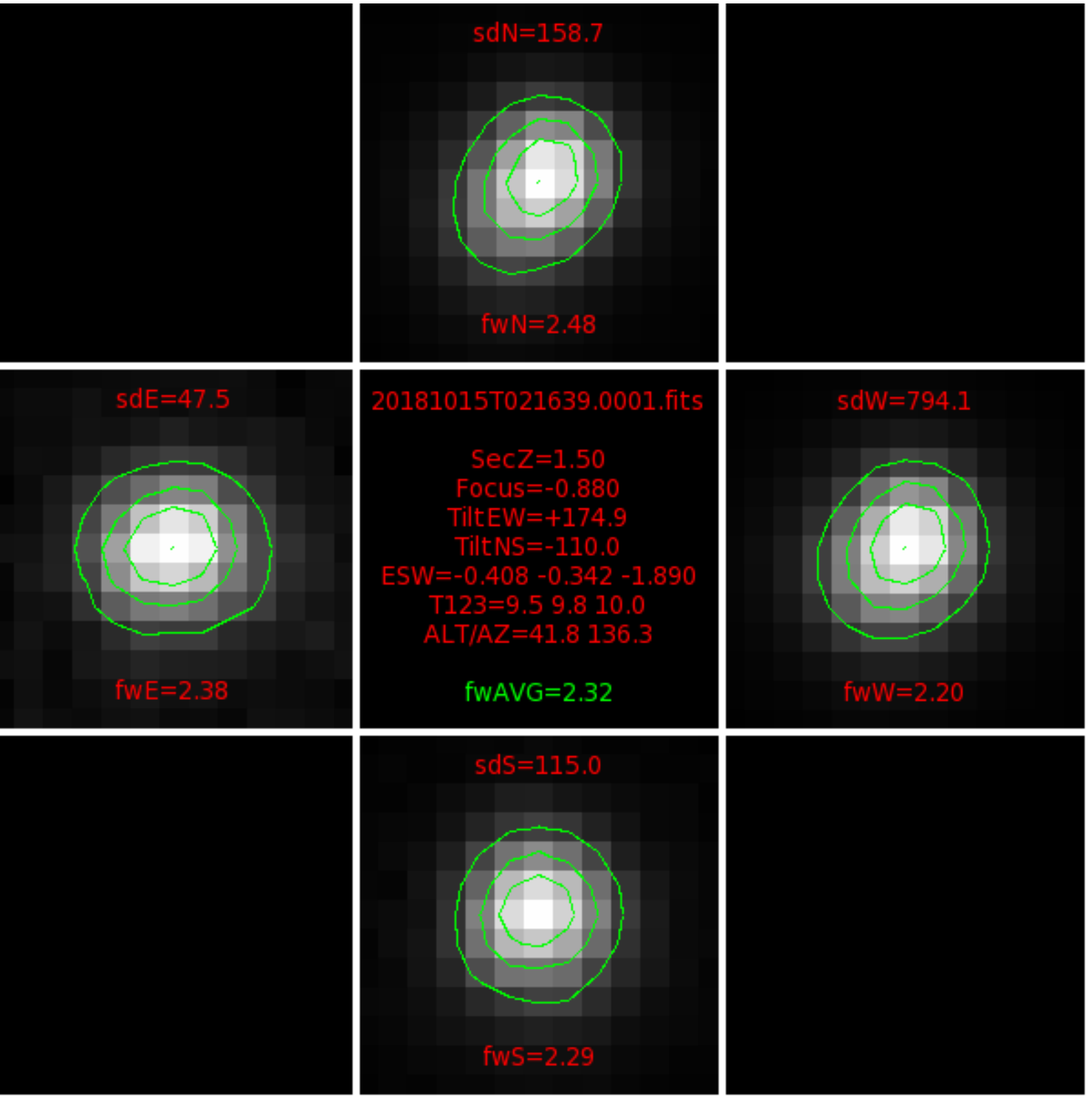
sdN=158.7
fwN=2.48
sdE=47.5
fwE=2.38
20181015T021639.0001.fits
SecZ=1.50
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.5 9.8 10.0
ALT/AZ=41.8 136.3
fwAVG=2.32
sdW=794.1
fwW=2.20
sdS=115.0
fwS=2.29
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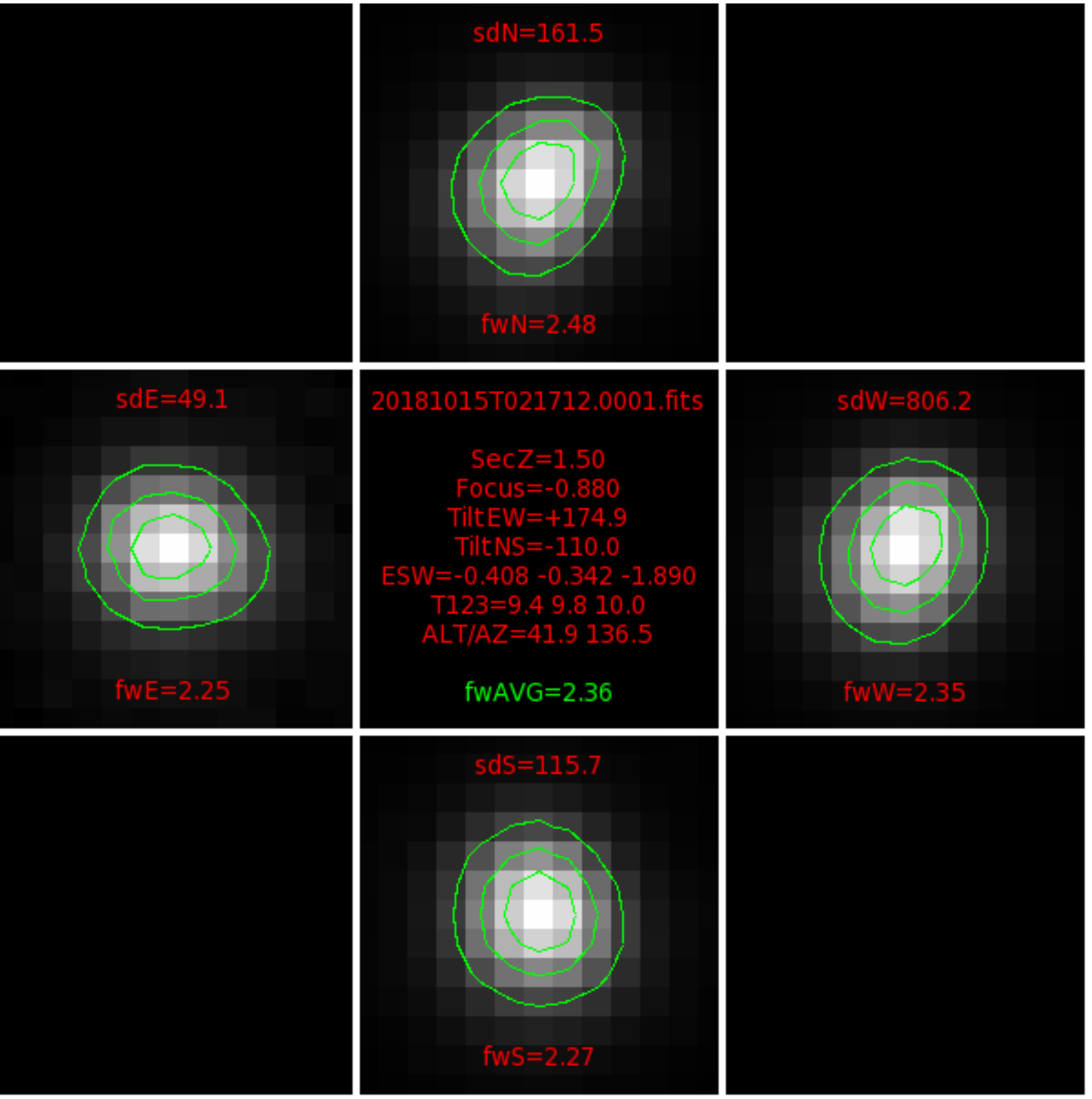
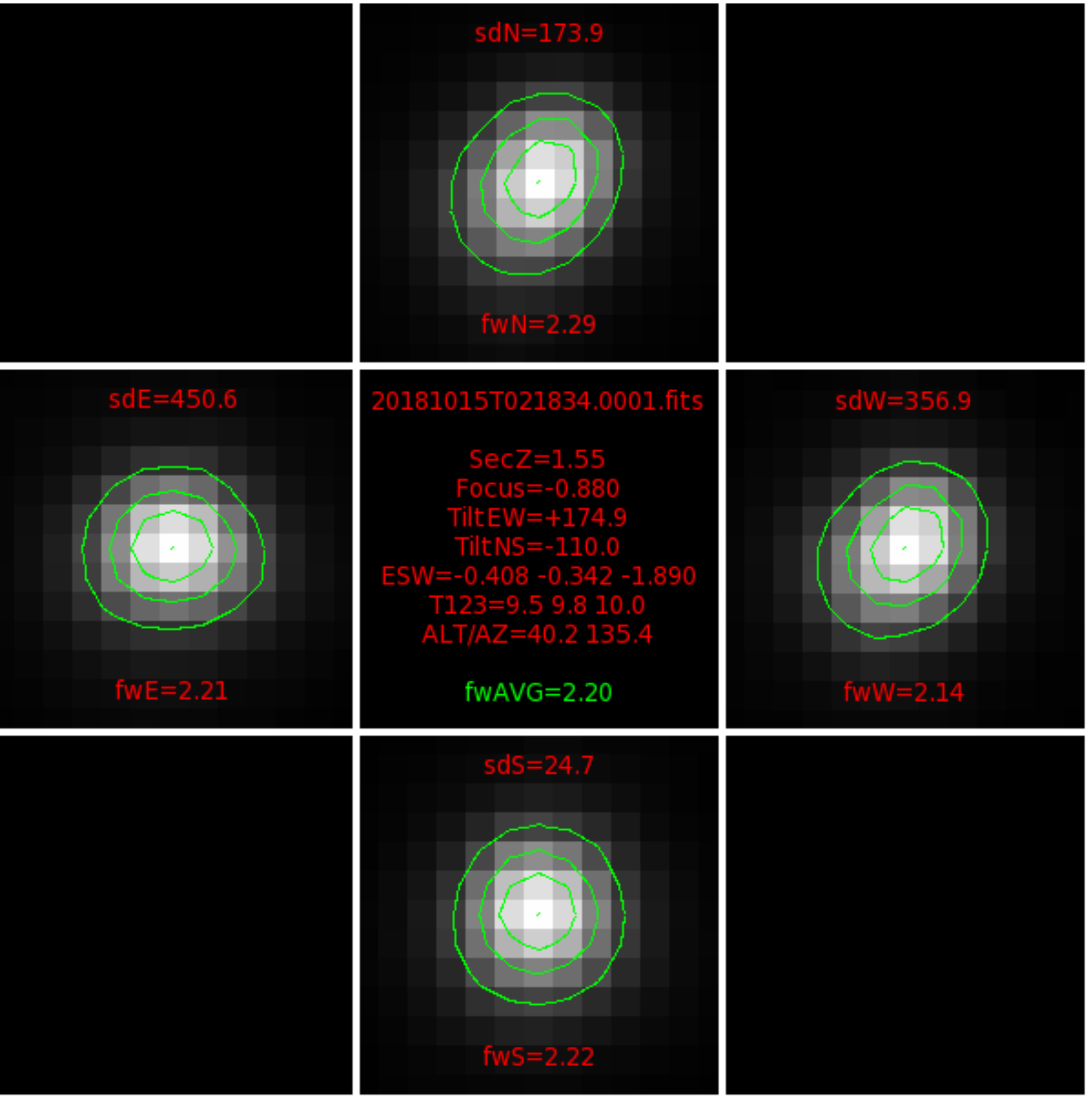

sdN=161.5
fwN=2.48
sdE=49.1
fwE=2.25
20181015T021712.0001.fits
SecZ=1.50
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.8 10.0
ALT/AZ=41.9 136.5
fwAVG=2.36
sdW=806.2
fwW=2.35
sdS=115.7
fwS=2.27
0 0 0 0 0 0 0 0 0


sdN=173.9
fwN=2.29
sdE=450.6
fwE=2.21
20181015T021834.0001.fits
SecZ=1.55
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.5 9.8 10.0
ALT/AZ=40.2 135.4
fwAVG=2.20
sdW=356.9
fwW=2.14
sdS=24.7
fwS=2.22
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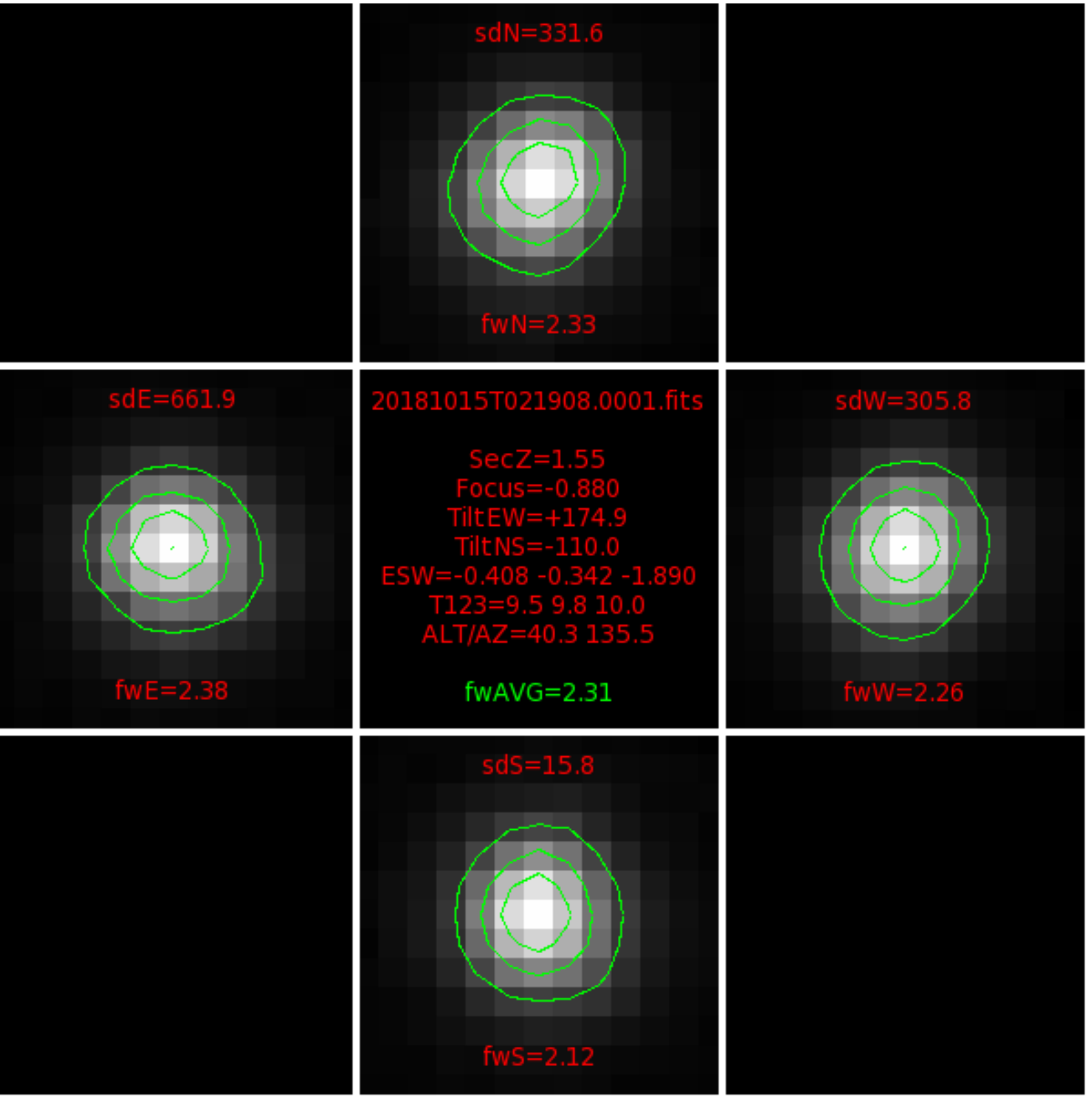
sdN=331.6
fwN=2.33
sdE=661.9
fwE=2.38
20181015T021908.0001.fits
SecZ=1.55
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.5 9.8 10.0
ALT/AZ=40.3 135.5
fwAVG=2.31
sdW=305.8
fwW=2.26
sdS=15.8
fwS=2.12
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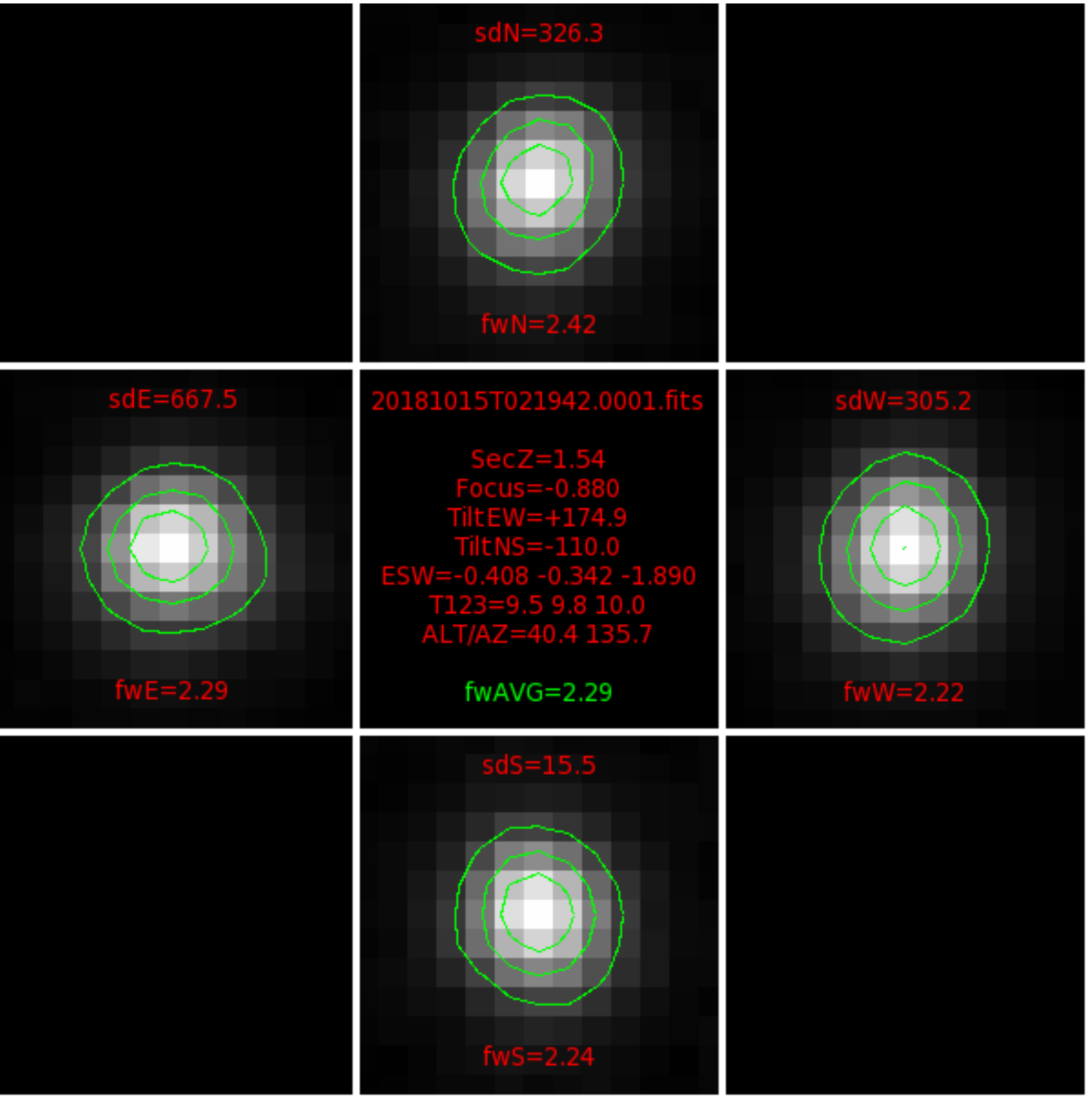
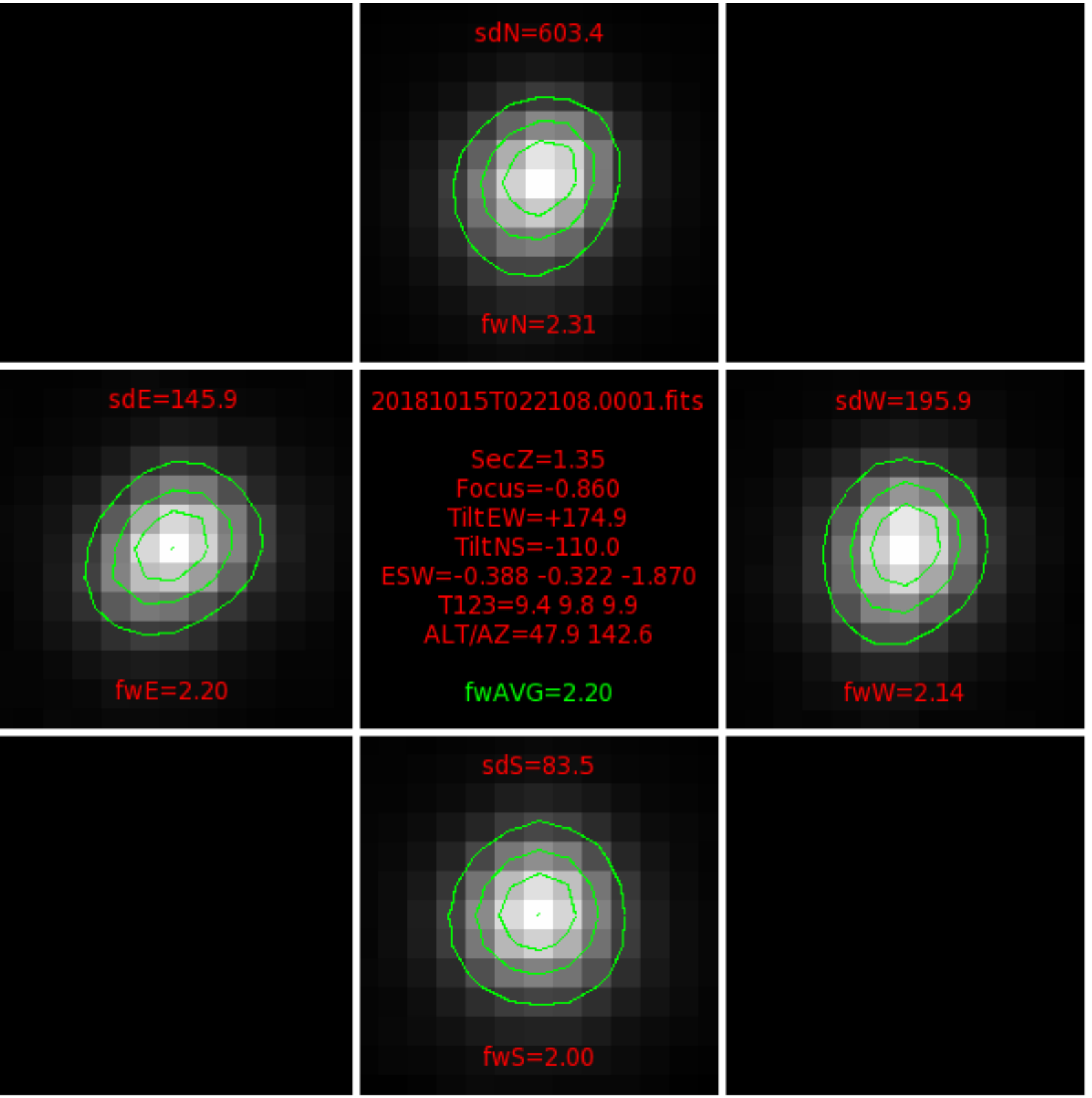

sdN=326.3
fwN=2.42
sdE=667.5
fwE=2.29
20181015T021942.0001.fits
SecZ=1.54
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.5 9.8 10.0
ALT/AZ=40.4 135.7
fwAVG=2.29
sdW=305.2
fwW=2.22
sdS=15.5
fwS=2.24
0 0 0 0 0 0 0 0 0


sdN=603.4
fwN=2.31
sdE=145.9
fwE=2.20
20181015T022108.0001.fits
SecZ=1.35
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.4 9.8 9.9
ALT/AZ=47.9 142.6
fwAVG=2.20
sdW=195.9
fwW=2.14
sdS=83.5
fwS=2.00
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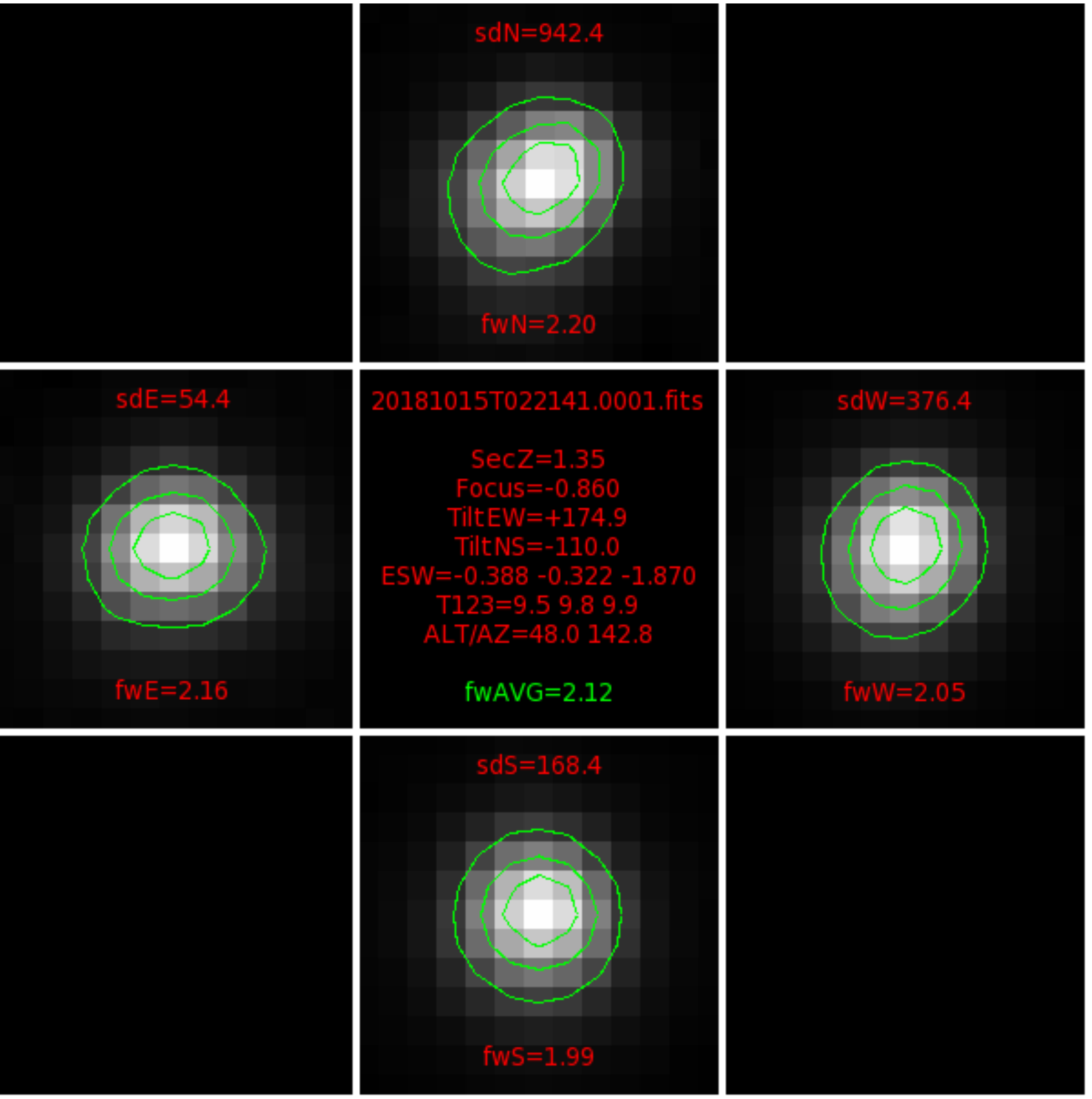
sdN=942.4
fwN=2.20
sdE=54.4
fwE=2.16
20181015T022141.0001.fits
SecZ=1.35
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.5 9.8 9.9
ALT/AZ=48.0 142.8
fwAVG=2.12
sdW=376.4
fwW=2.05
sdS=168.4
fwS=1.99
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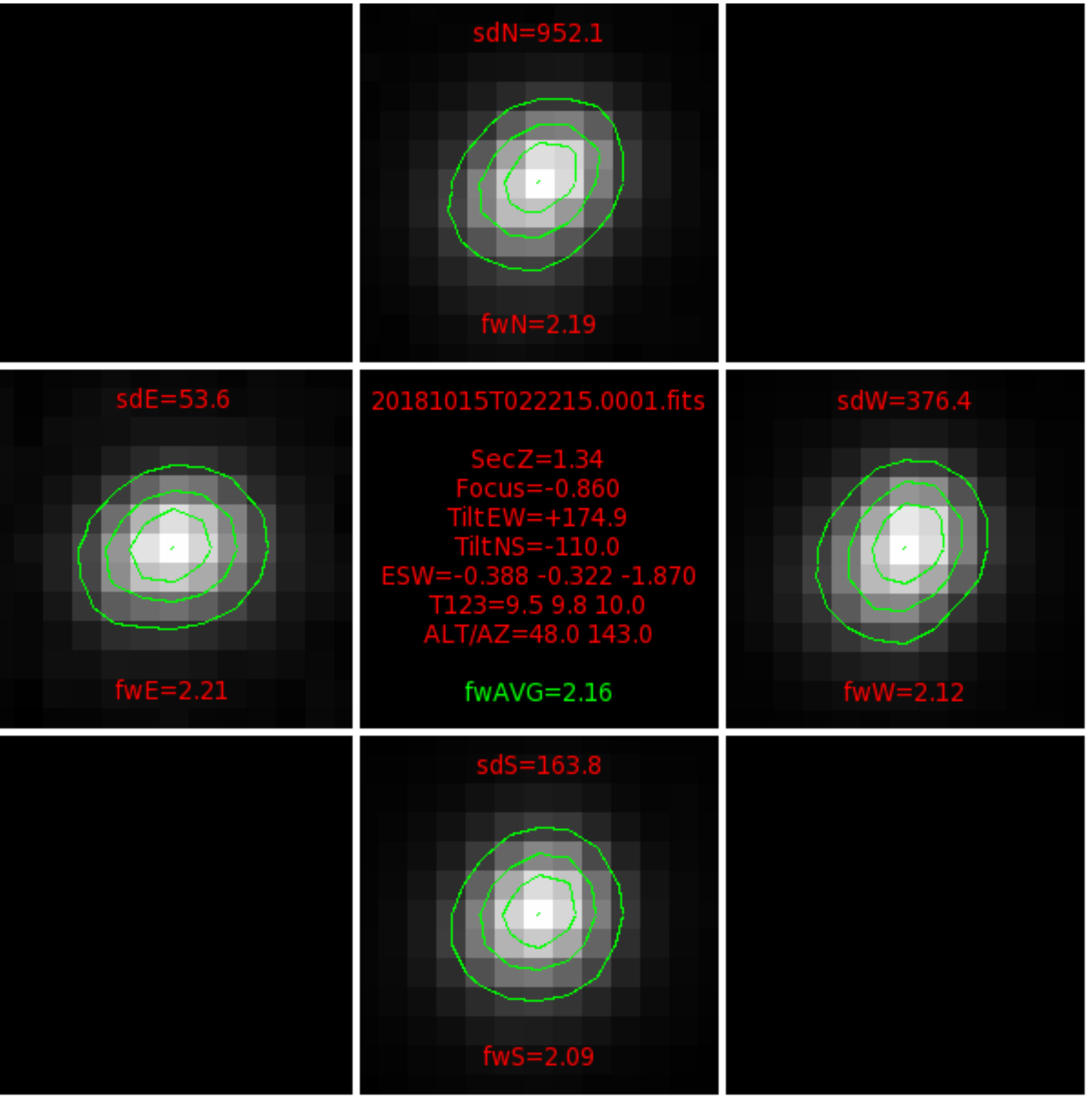
sdN=952.1
fwN=2.19
sdE=53.6
fwE=2.21
20181015T022215.0001.fits
SecZ=1.34
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.5 9.8 10.0
ALT/AZ=48.0 143.0
fwAVG=2.16
sdW=376.4
fwW=2.12
sdS=163.8
fwS=2.09
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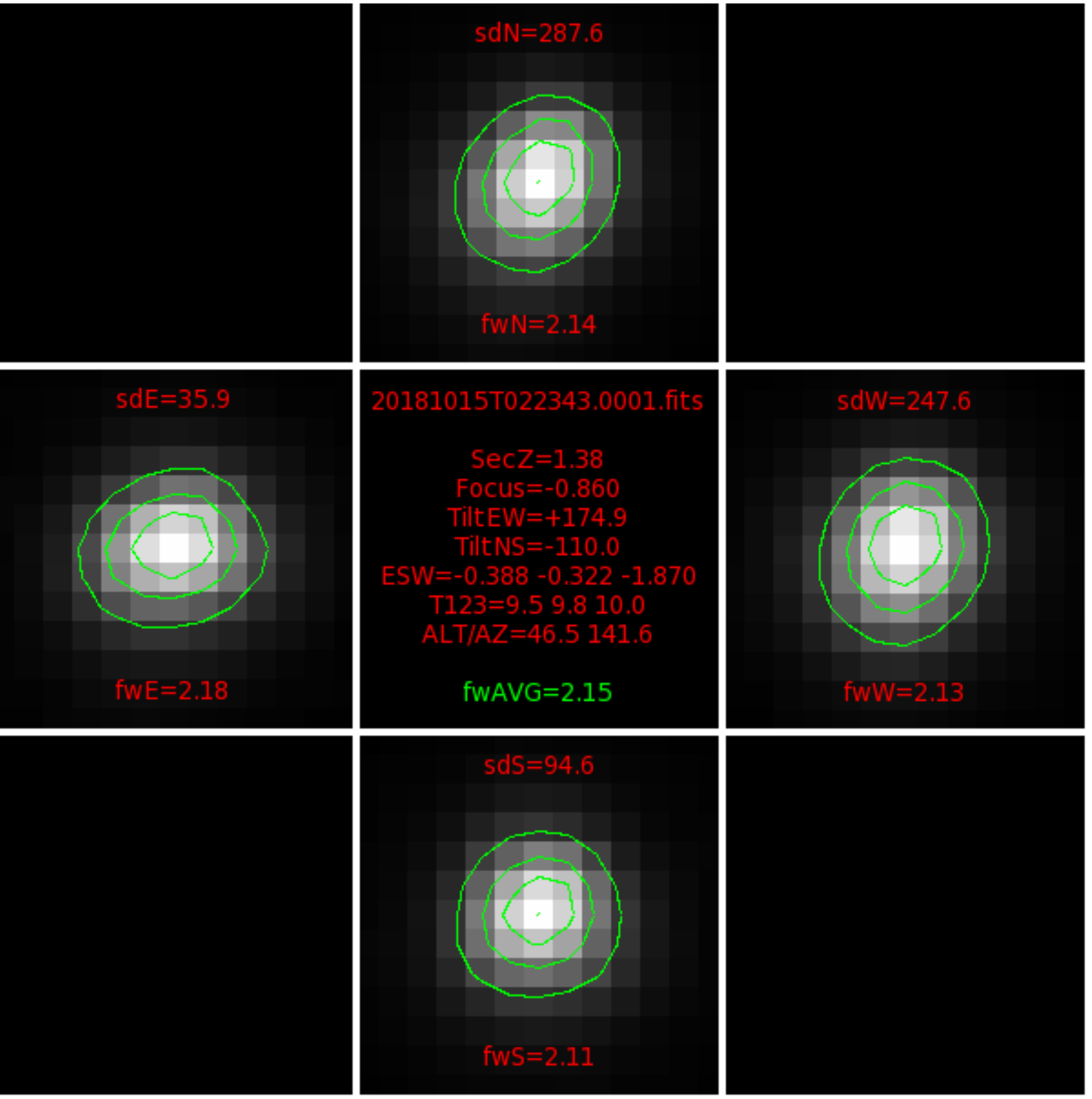
sdN=287.6
fwN=2.14
sdE=35.9
fwE=2.18
20181015T022343.0001.fits
SecZ=1.38
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.5 9.8 10.0
ALT/AZ=46.5 141.6
fwAVG=2.15
sdW=247.6
fwW=2.13
sdS=94.6
fwS=2.11
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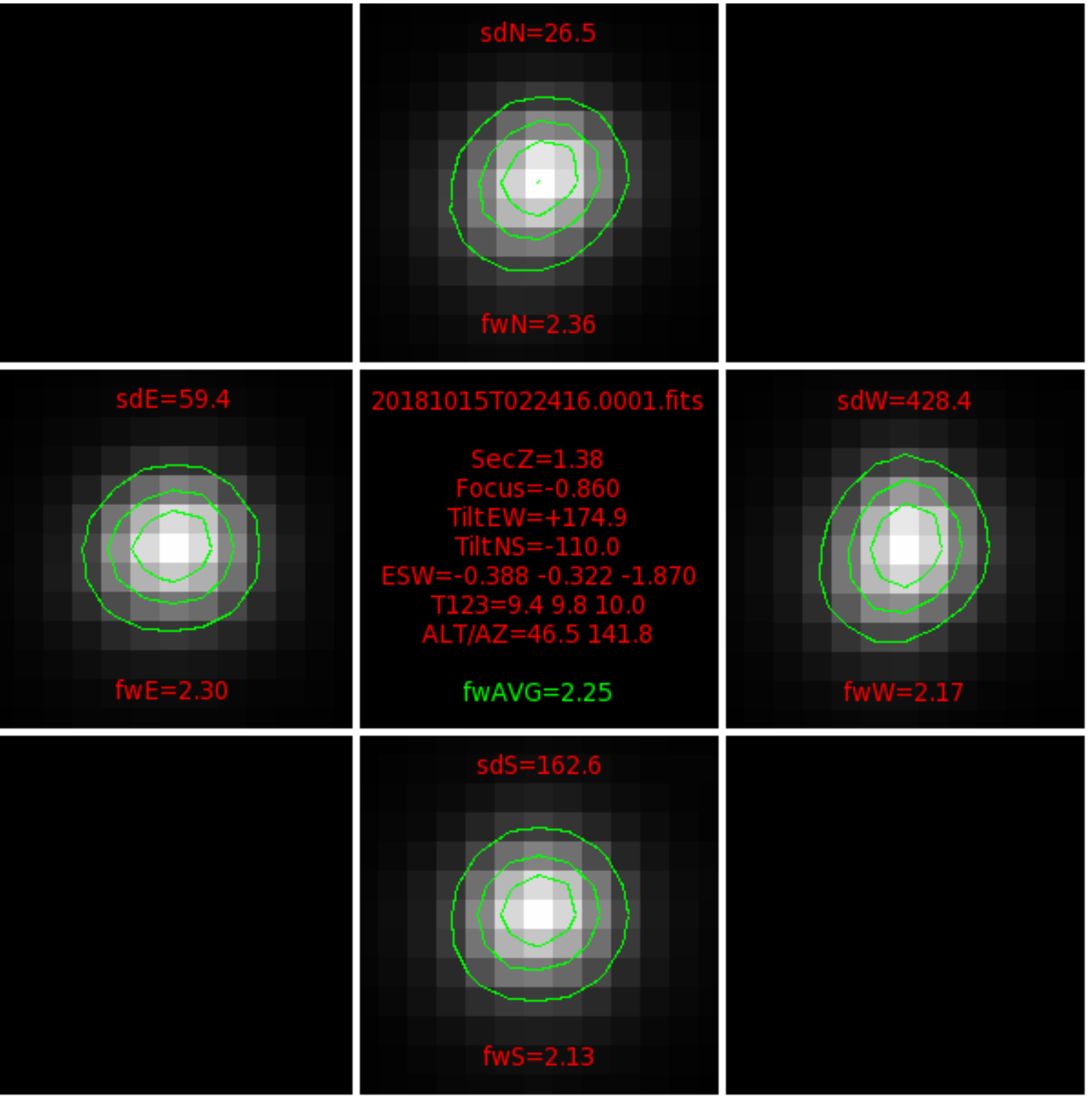
sdN=26.5
fwN=2.36
sdE=59.4
fwE=2.30
20181015T022416.0001.fits
SecZ=1.38
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.4 9.8 10.0
ALT/AZ=46.5 141.8
fwAVG=2.25
sdW=428.4
fwW=2.17
sdS=162.6
fwS=2.13
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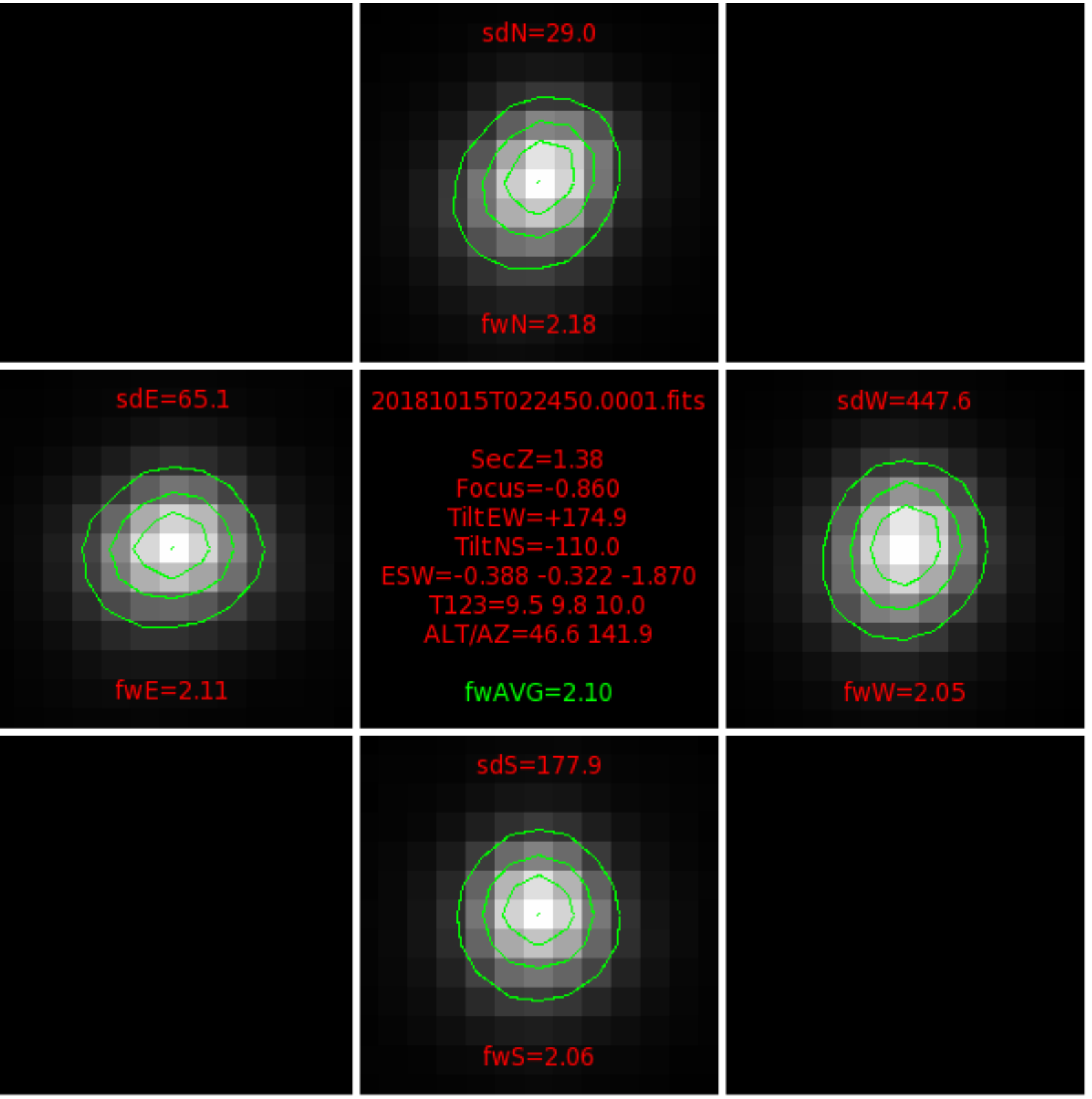
sdN=29.0
fwN=2.18
sdE=65.1
fwE=2.11
20181015T022450.0001.fits
SecZ=1.38
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.5 9.8 10.0
ALT/AZ=46.6 141.9
fwAVG=2.10
sdW=447.6
fwW=2.05
sdS=177.9
fwS=2.06
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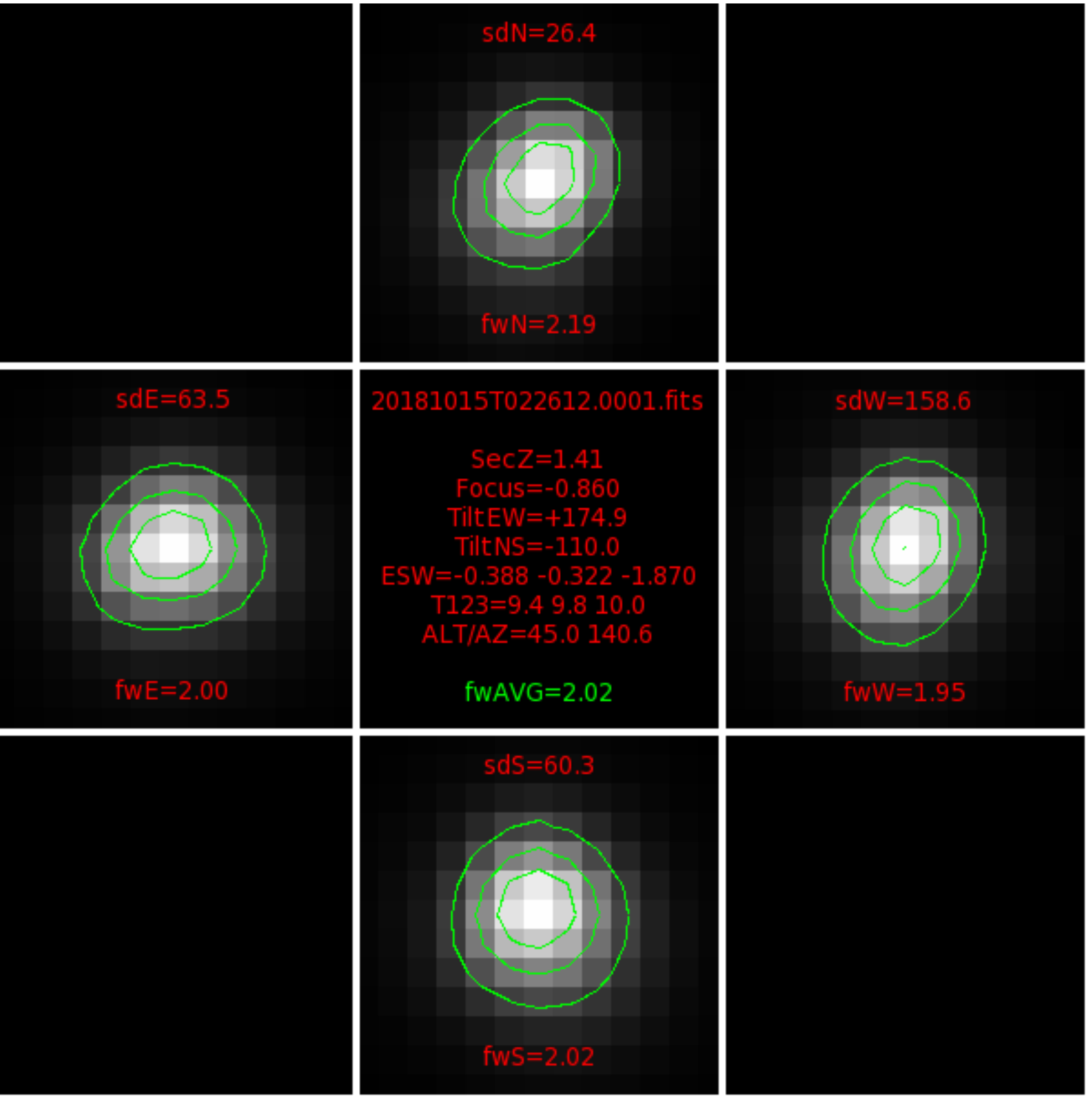
sdN=26.4
fwN=2.19
sdE=63.5
fwE=2.00
20181015T022612.0001.fits
SecZ=1.41
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.4 9.8 10.0
ALT/AZ=45.0 140.6
fwAVG=2.02
sdW=158.6
fwW=1.95
sdS=60.3
fwS=2.02
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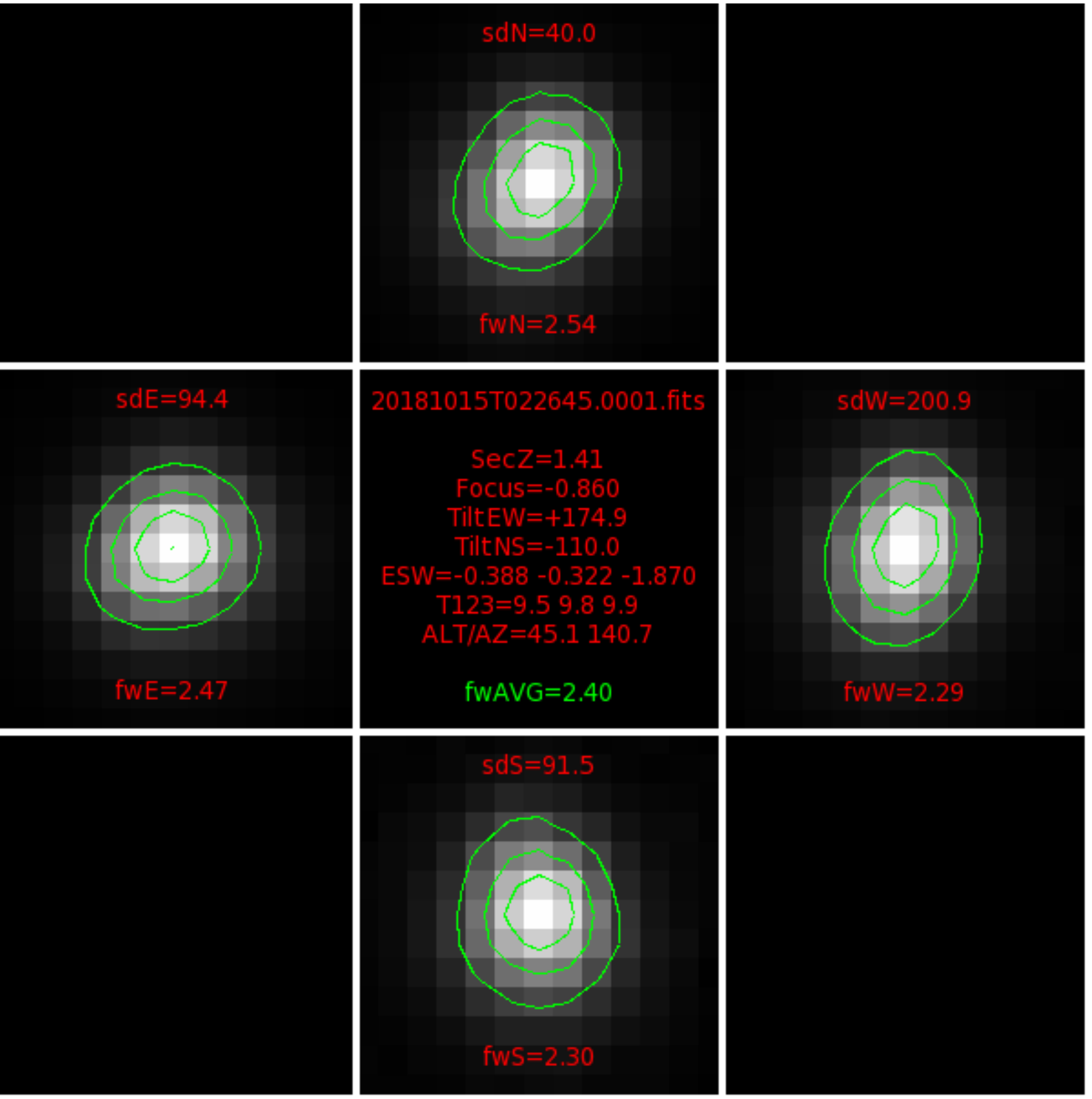
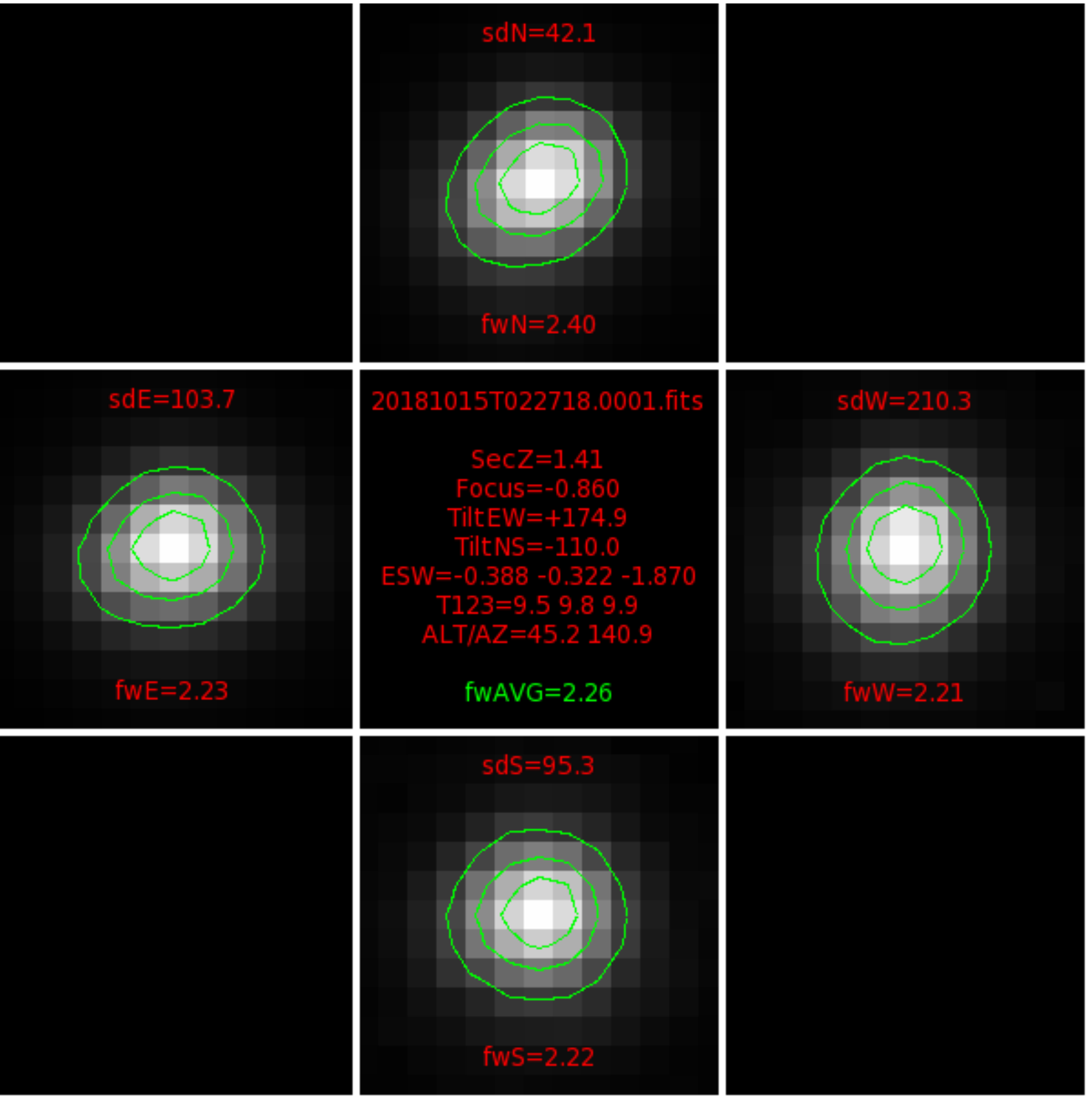

sdN=40.0
fwN=2.54
sdE=94.4
fwE=2.47
20181015T022645.0001.fits
SecZ=1.41
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.5 9.8 9.9
ALT/AZ=45.1 140.7
fwAVG=2.40
sdW=200.9
fwW=2.29
sdS=91.5
fwS=2.30
0 0 0 0 0 0 0 0 0


sdN=42.1
fwN=2.40
sdE=103.7
fwE=2.23
20181015T022718.0001.fits
SecZ=1.41
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.5 9.8 9.9
ALT/AZ=45.2 140.9
fwAVG=2.26
sdW=210.3
fwW=2.21
sdS=95.3
fwS=2.22
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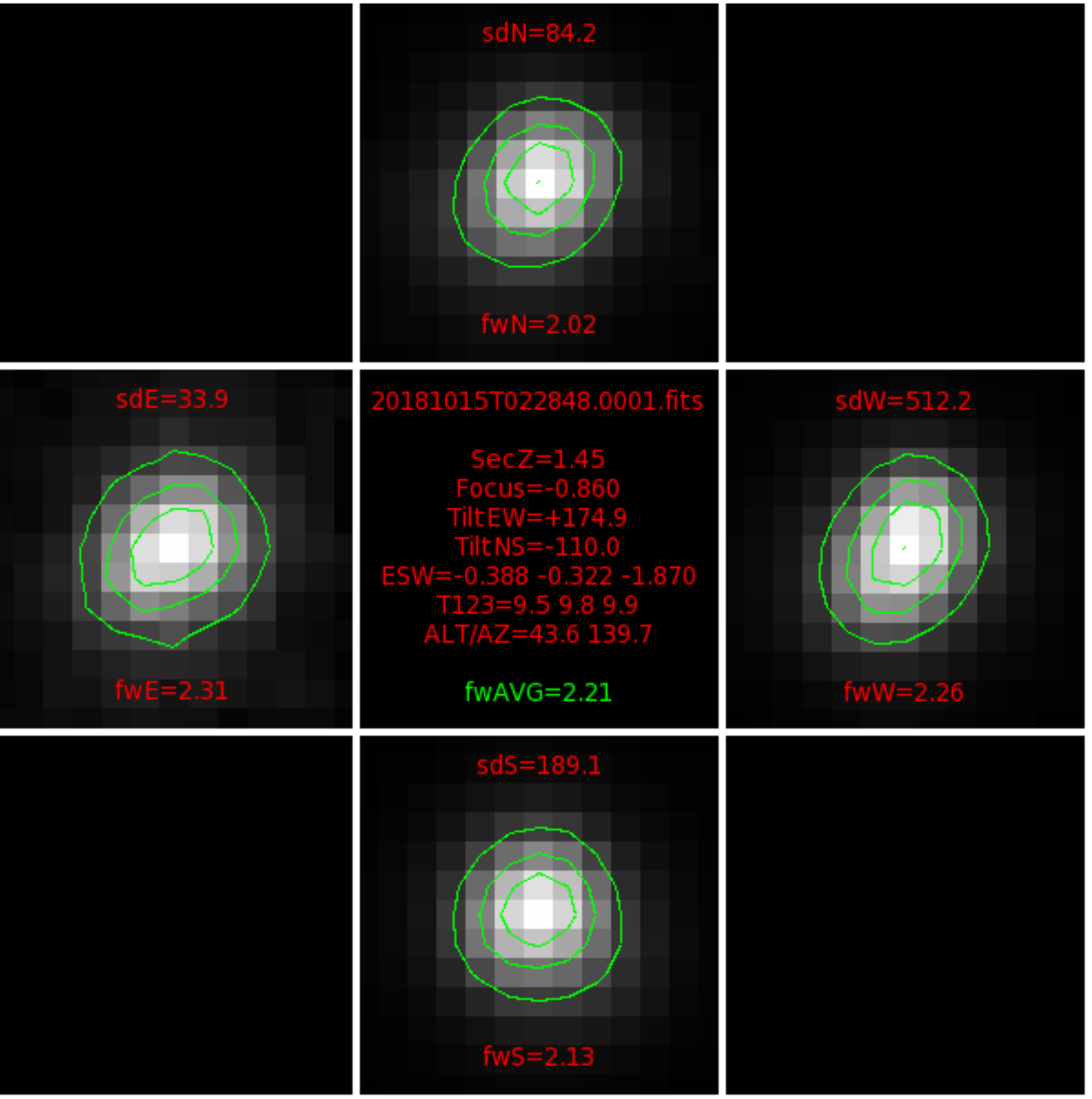
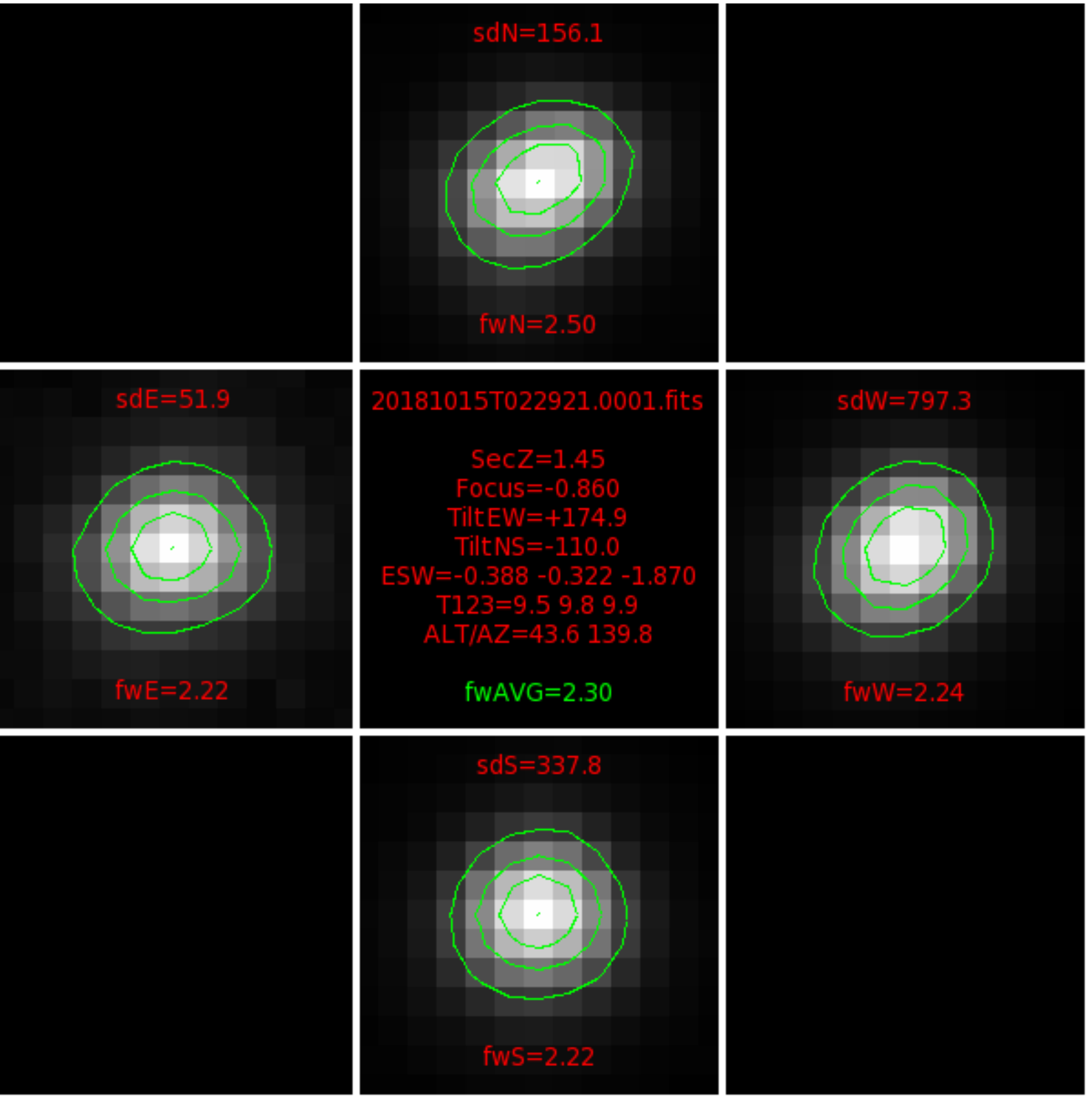
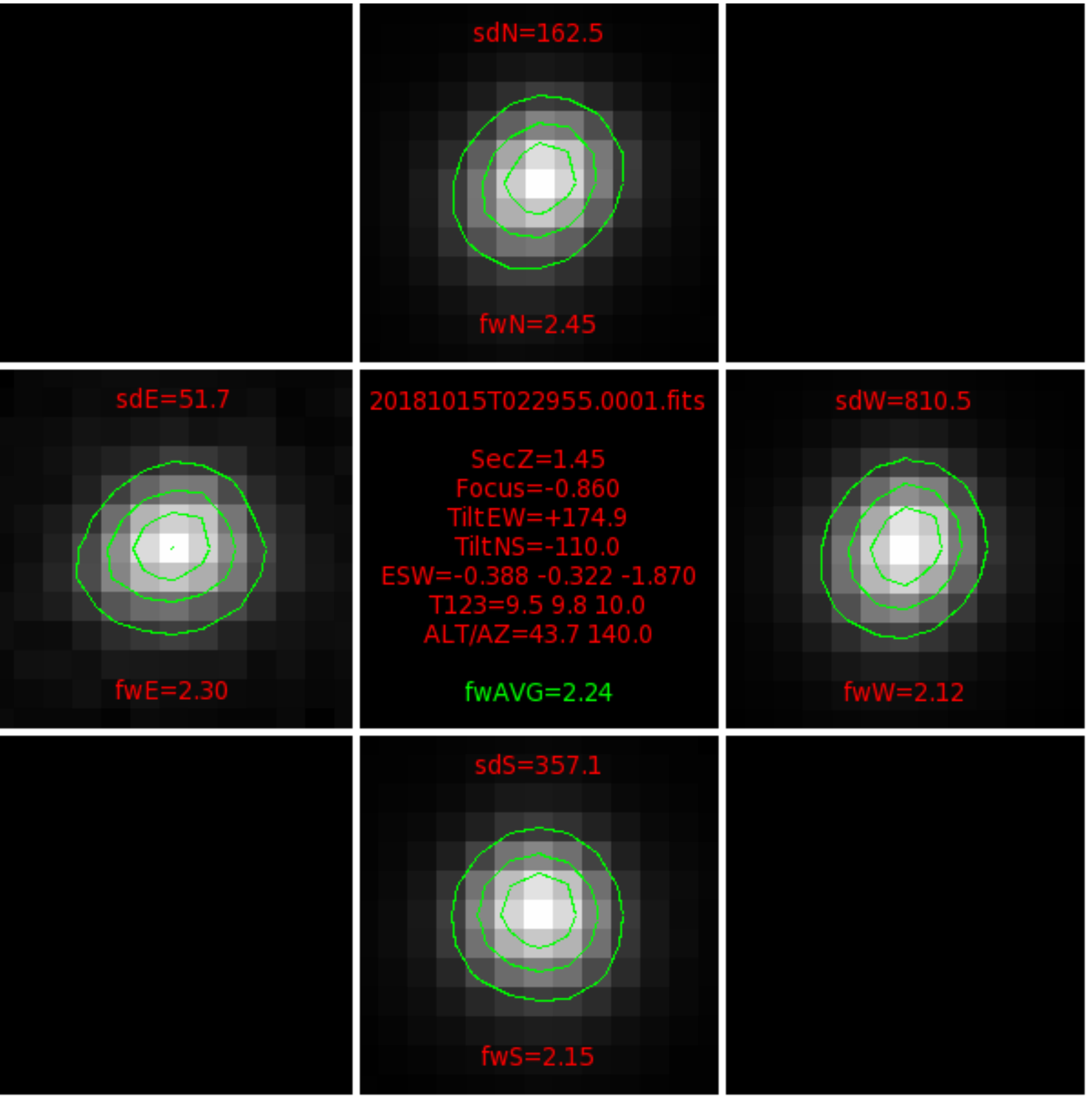
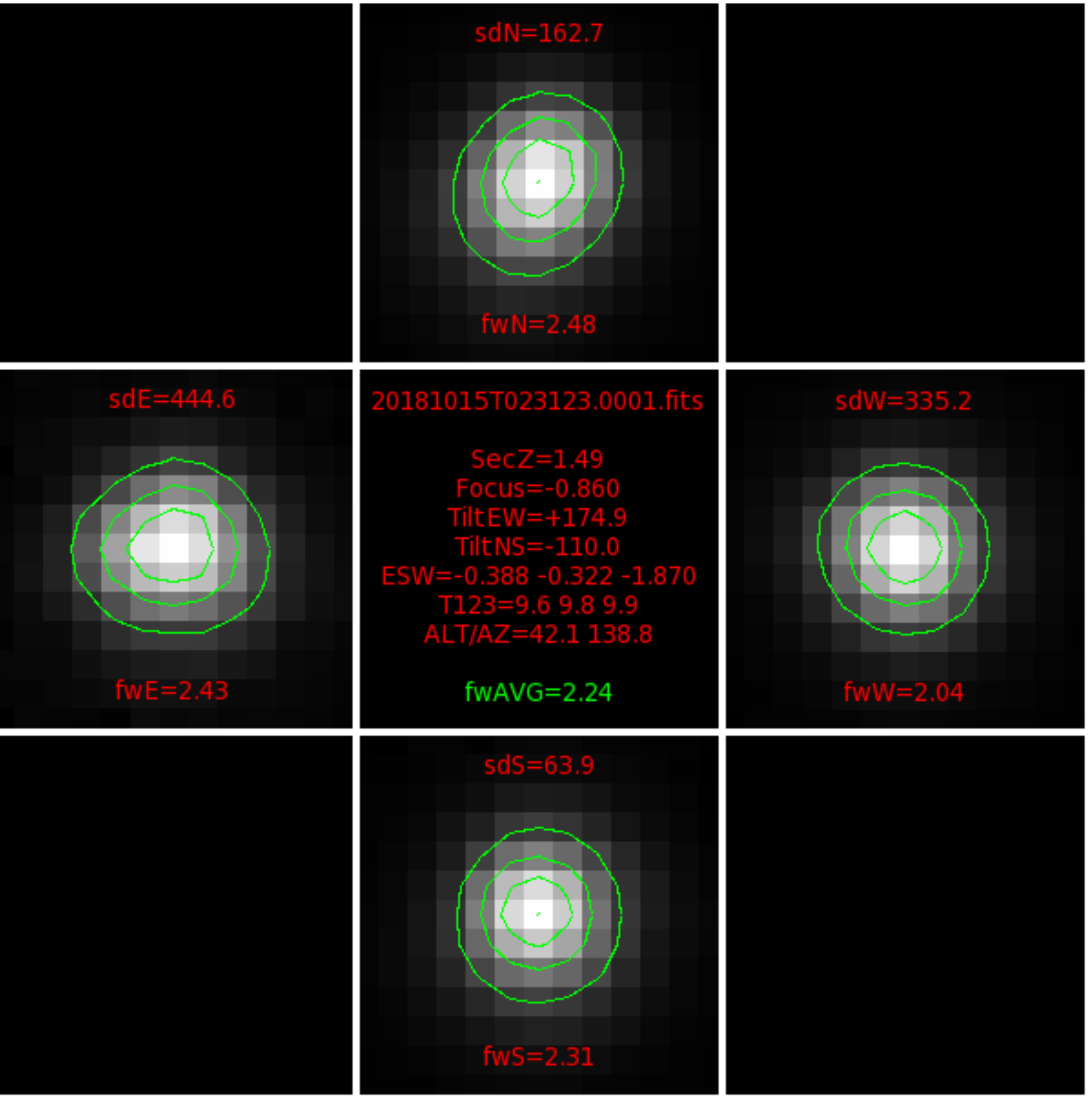
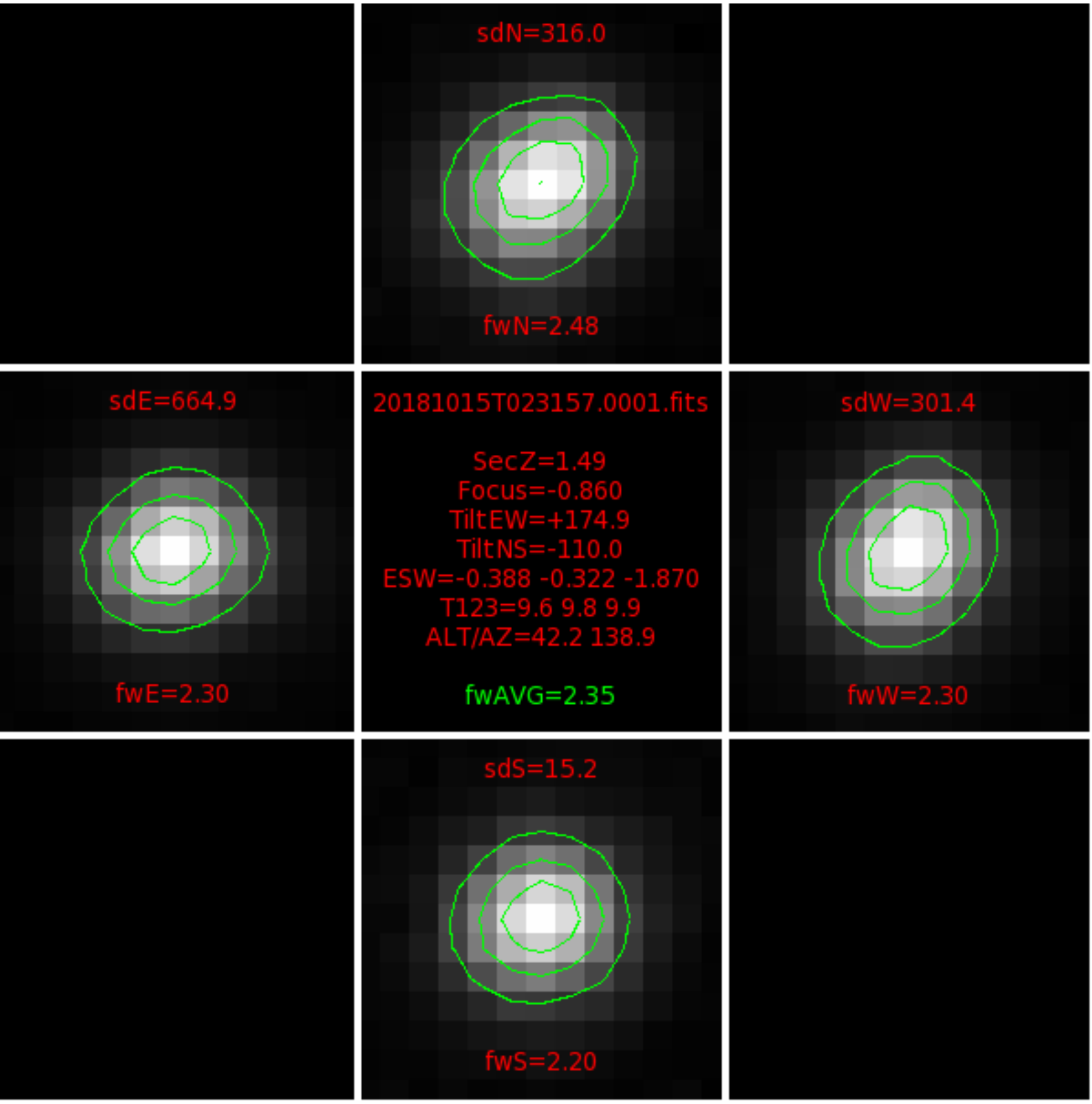
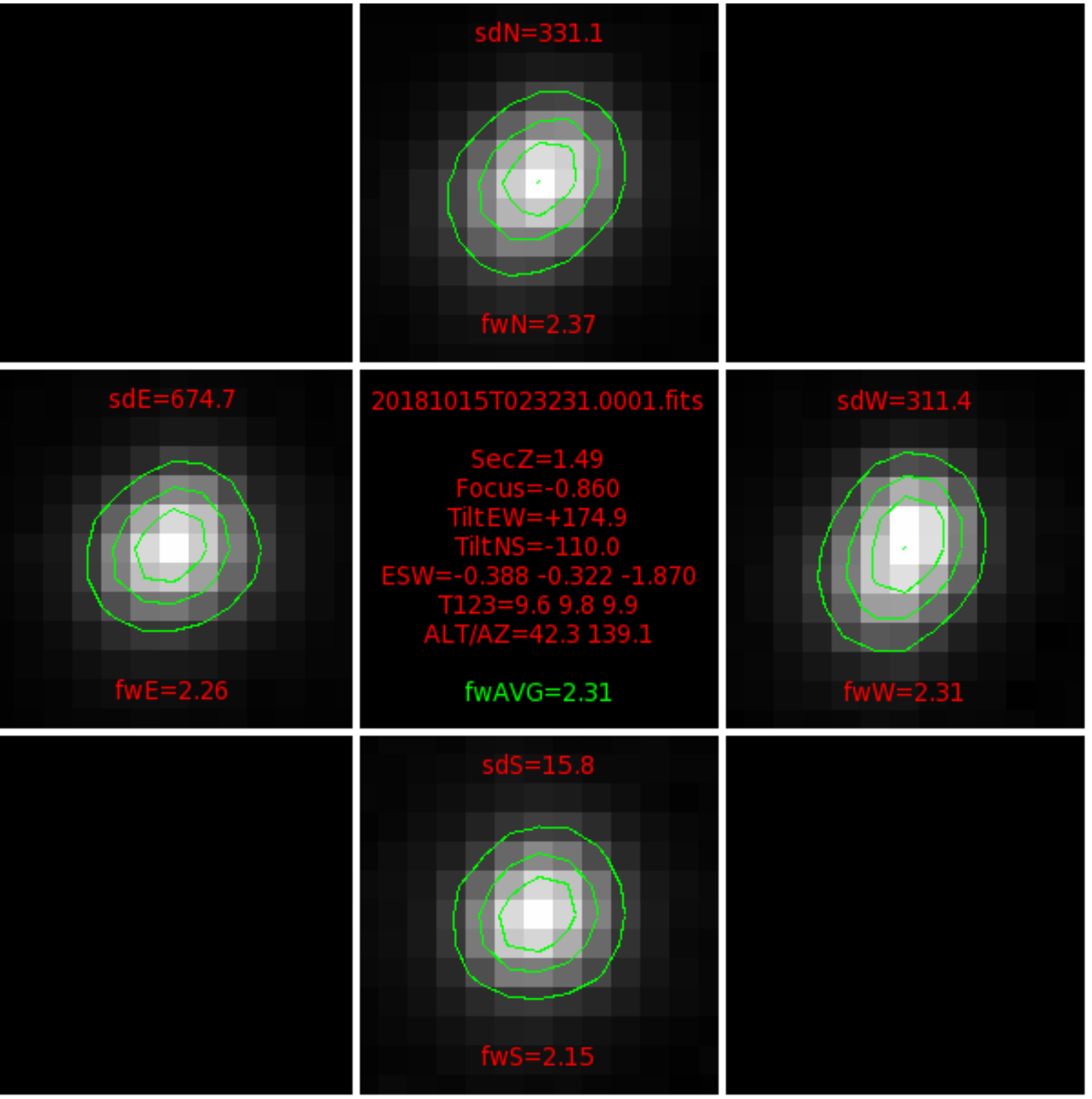

sdN=84.2
fwN=2.02
sdE=33.9
fwE=2.31
20181015T022848.0001.fits
SecZ=1.45
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.5 9.8 9.9
ALT/AZ=43.6 139.7
fwAVG=2.21
sdW=512.2
fwW=2.26
sdS=189.1
fwS=2.13
0 0 0 0 0 0 0 0 0

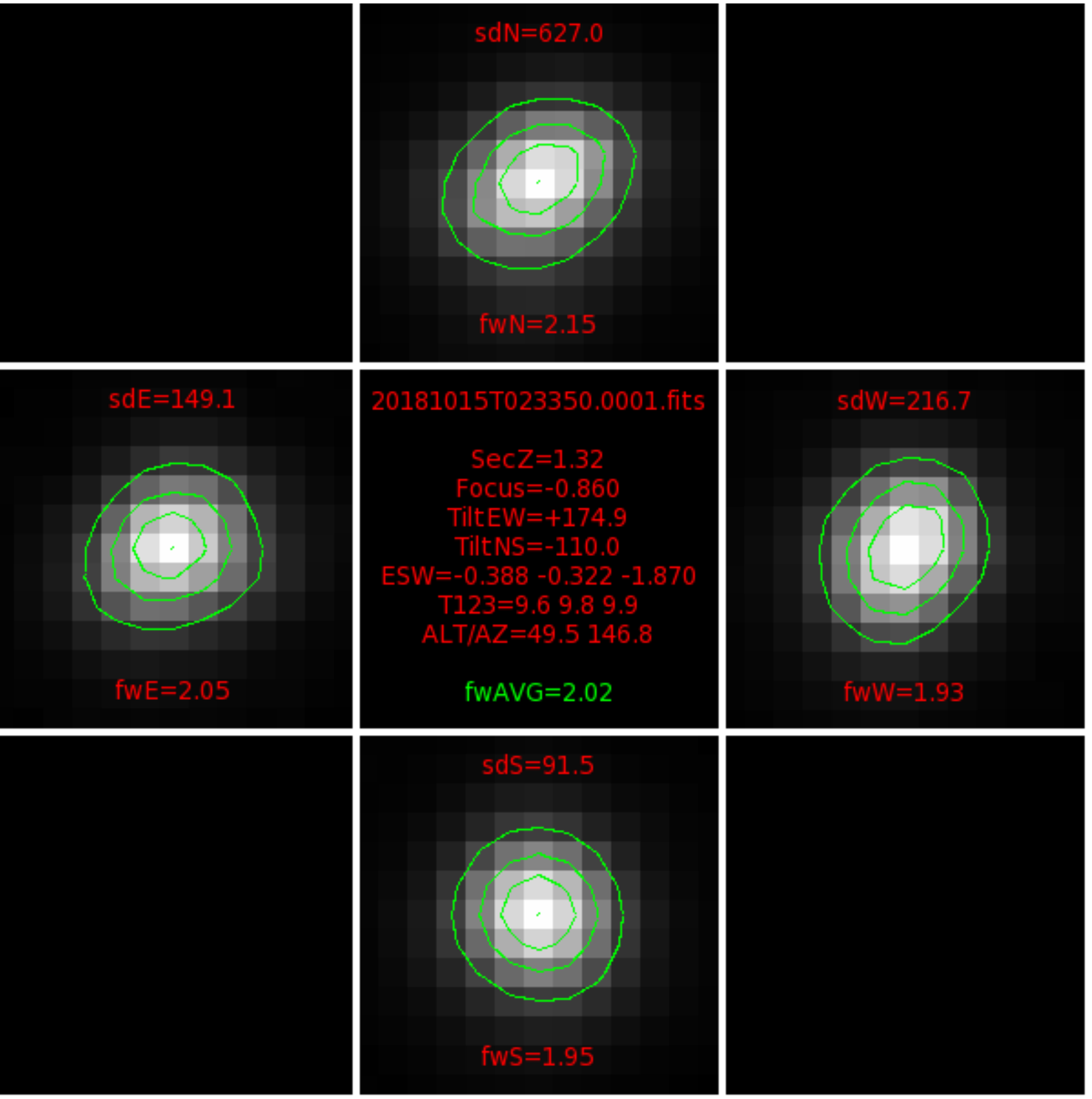

sdN=156.1
fwN=2.50
sdE=51.9
fwE=2.22
20181015T022921.0001.fits
SecZ=1.45
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.5 9.8 9.9
ALT/AZ=43.6 139.8
fwAVG=2.30
sdW=797.3
fwW=2.24
sdS=337.8
fwS=2.22
0 0 0 0 0 0 0 0 0


sdN=162.5
fwN=2.45
sdE=51.7
fwE=2.30
20181015T022955.0001.fits
SecZ=1.45
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.5 9.8 10.0
ALT/AZ=43.7 140.0
fwAVG=2.24
sdW=810.5
fwW=2.12
sdS=357.1
fwS=2.15
0 0 0 0 0 0 0 0 0


sdN=162.7
fwN=2.48
sdE=444.6
fwE=2.43
20181015T023123.0001.fits
SecZ=1.49
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.6 9.8 9.9
ALT/AZ=42.1 138.8
fwAVG=2.24
sdW=335.2
fwW=2.04
sdS=63.9
fwS=2.31
0 0 0 0 0 0 0 0 0


sdN=316.0
fwN=2.48
sdE=664.9
fwE=2.30
20181015T023157.0001.fits
SecZ=1.49
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.6 9.8 9.9
ALT/AZ=42.2 138.9
fwAVG=2.35
sdW=301.4
fwW=2.30
sdS=15.2
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=331.1
fwN=2.37
sdE=674.7
fwE=2.26
20181015T023231.0001.fits
SecZ=1.49
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.6 9.8 9.9
ALT/AZ=42.3 139.1
fwAVG=2.31
sdW=311.4
fwW=2.31
sdS=15.8
fwS=2.15
0 0 0 0 0 0 0 0 0


sdN=627.0
fwN=2.15
sdE=149.1
fwE=2.05
20181015T023350.0001.fits
SecZ=1.32
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.6 9.8 9.9
ALT/AZ=49.5 146.8
fwAVG=2.02
sdW=216.7
fwW=1.93
sdS=91.5
fwS=1.95
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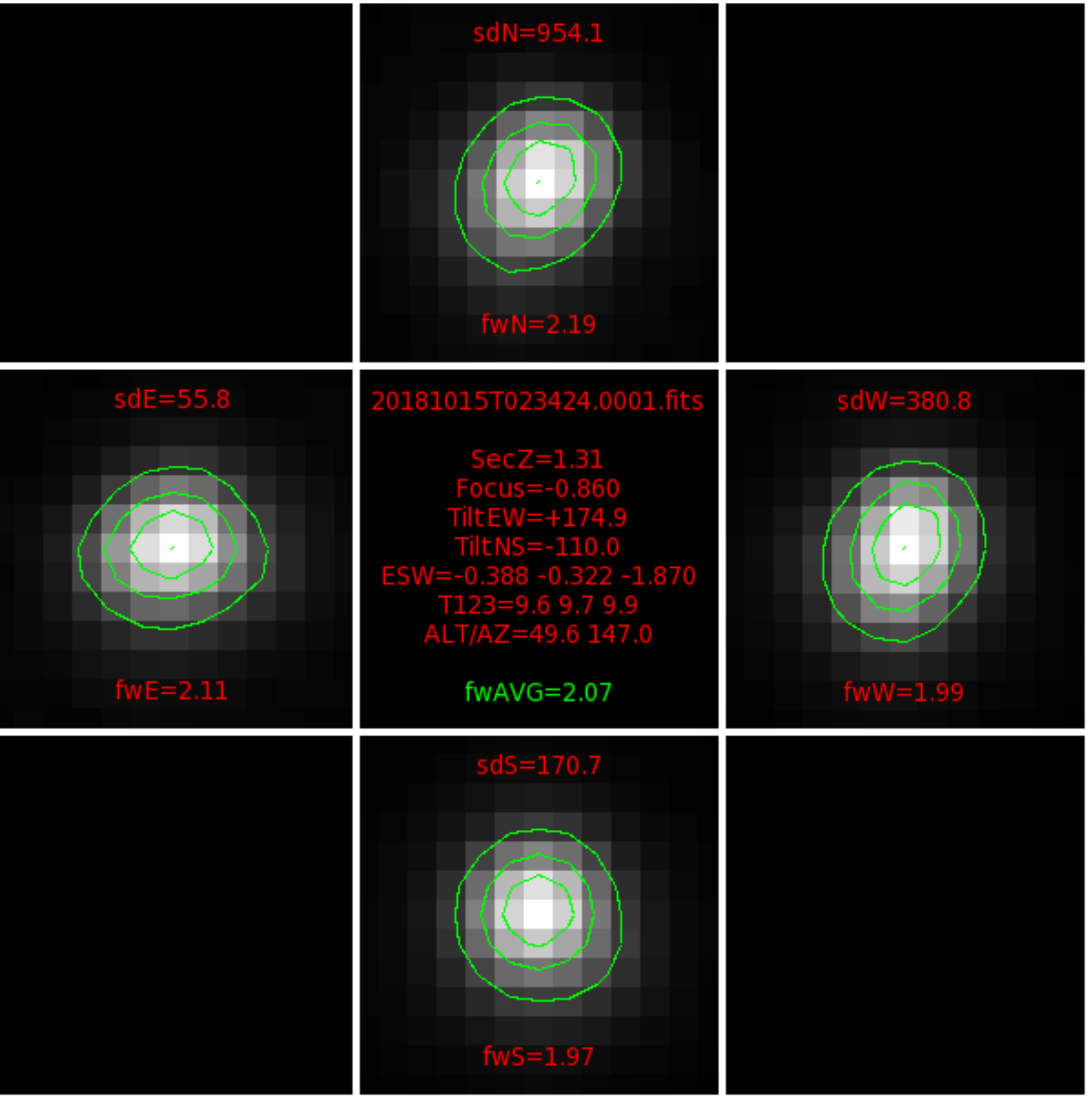
sdN=954.1
fwN=2.19
sdE=55.8
fwE=2.11
20181015T023424.0001.fits
SecZ=1.31
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.6 9.7 9.9
ALT/AZ=49.6 147.0
fwAVG=2.07
sdW=380.8
fwW=1.99
sdS=170.7
fwS=1.97
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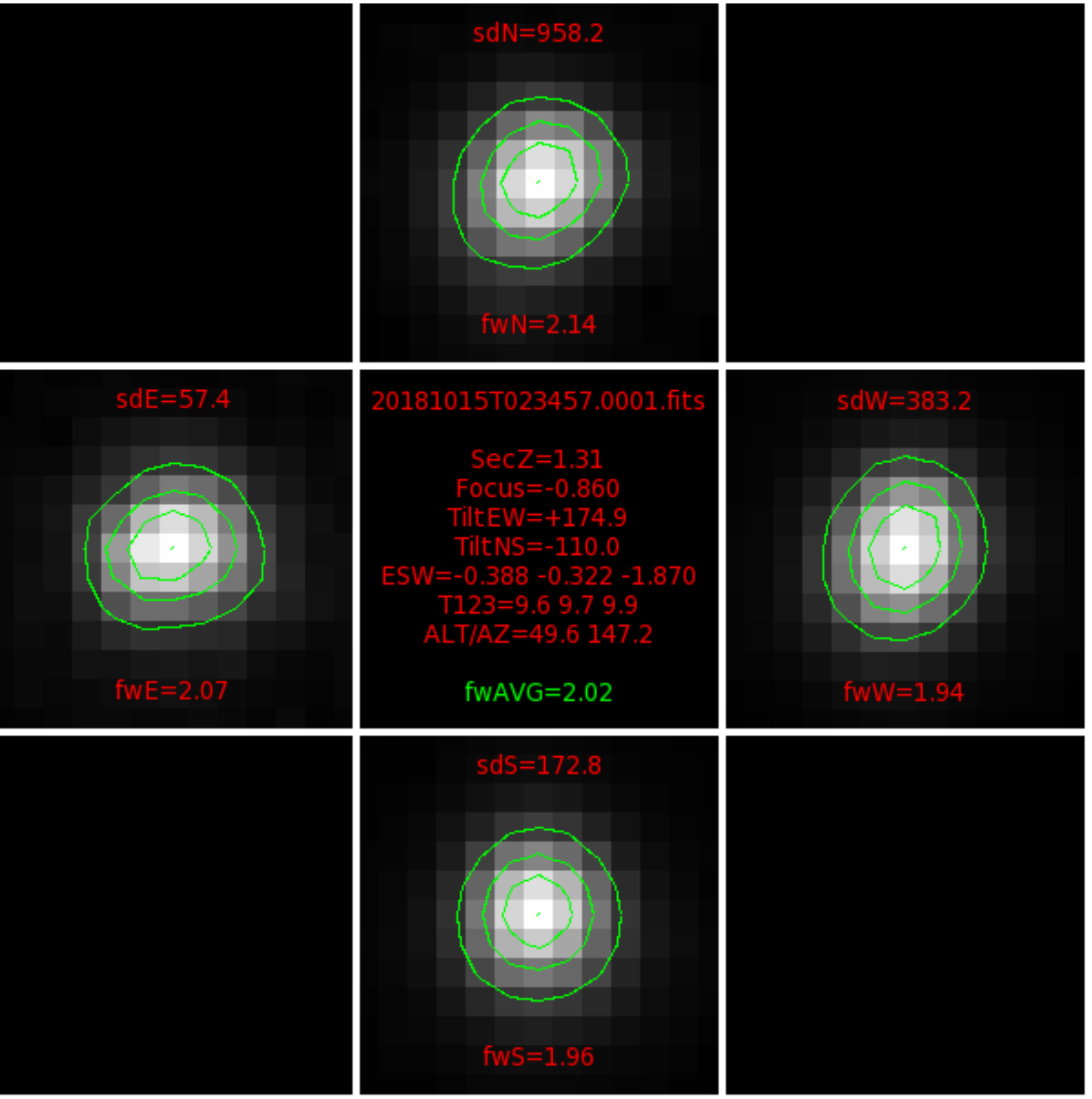
sdN=958.2
fwN=2.14
sdE=57.4
fwE=2.07
20181015T023457.0001.fits
SecZ=1.31
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.6 9.7 9.9
ALT/AZ=49.6 147.2
fwAVG=2.02
sdW=383.2
fwW=1.94
sdS=172.8
fwS=1.96
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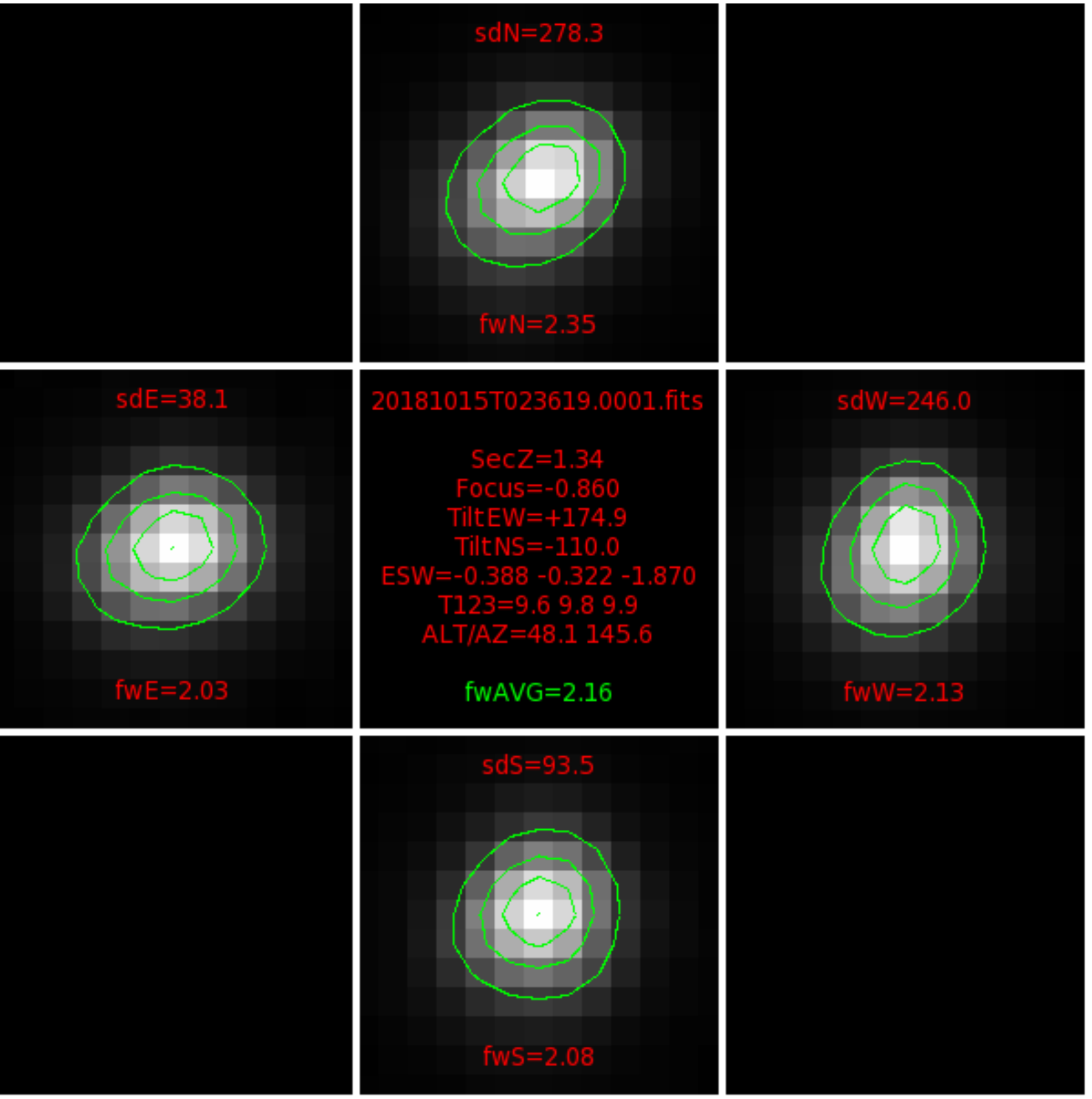
sdN=278.3
fwN=2.35
sdE=38.1
fwE=2.03
20181015T023619.0001.fits
SecZ=1.34
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.6 9.8 9.9
ALT/AZ=48.1 145.6
fwAVG=2.16
sdW=246.0
fwW=2.13
sdS=93.5
fwS=2.08
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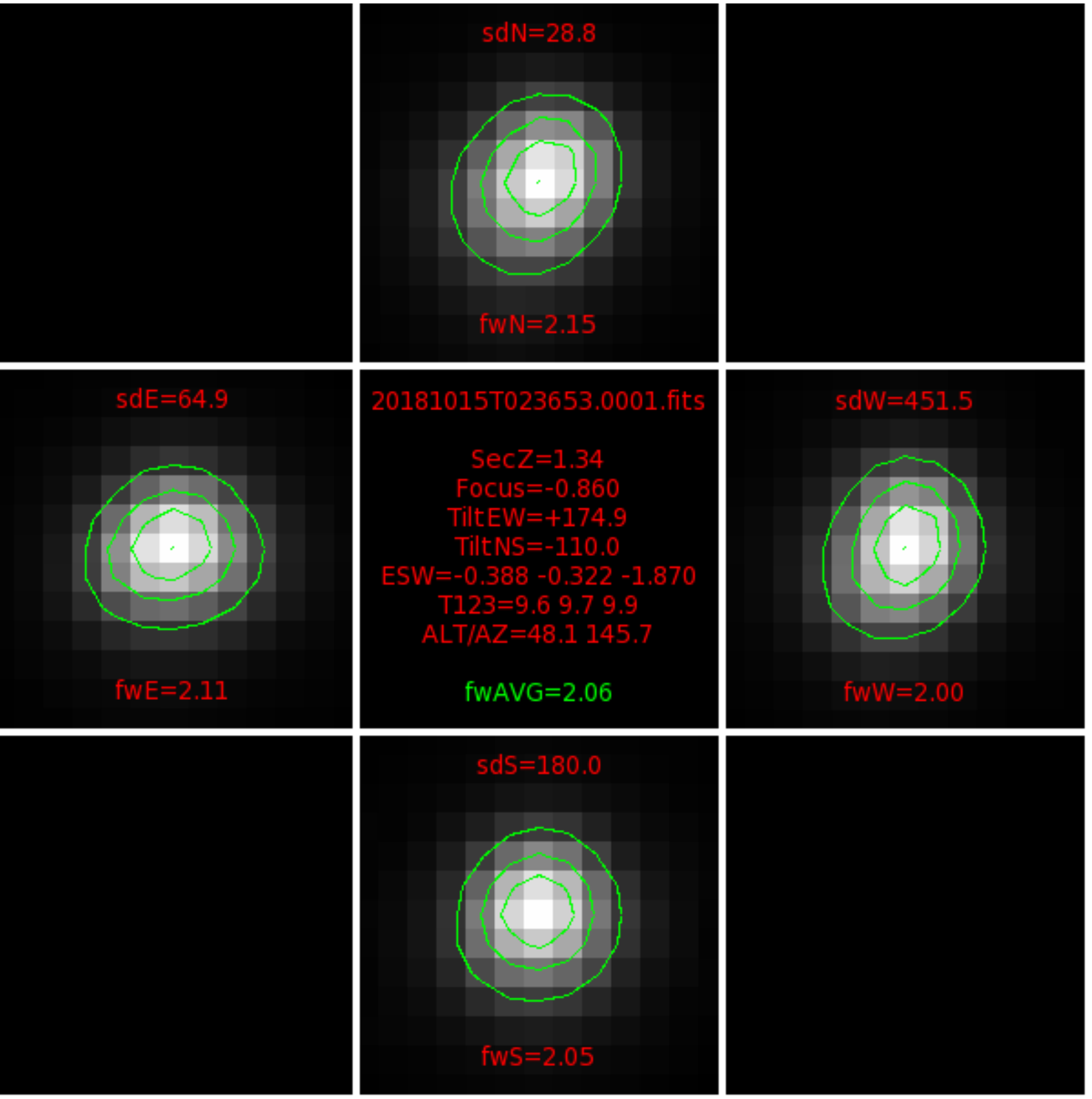
sdN=28.8
fwN=2.15
sdE=64.9
fwE=2.11
20181015T023653.0001.fits
SecZ=1.34
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.6 9.7 9.9
ALT/AZ=48.1 145.7
fwAVG=2.06
sdW=451.5
fwW=2.00
sdS=180.0
fwS=2.05
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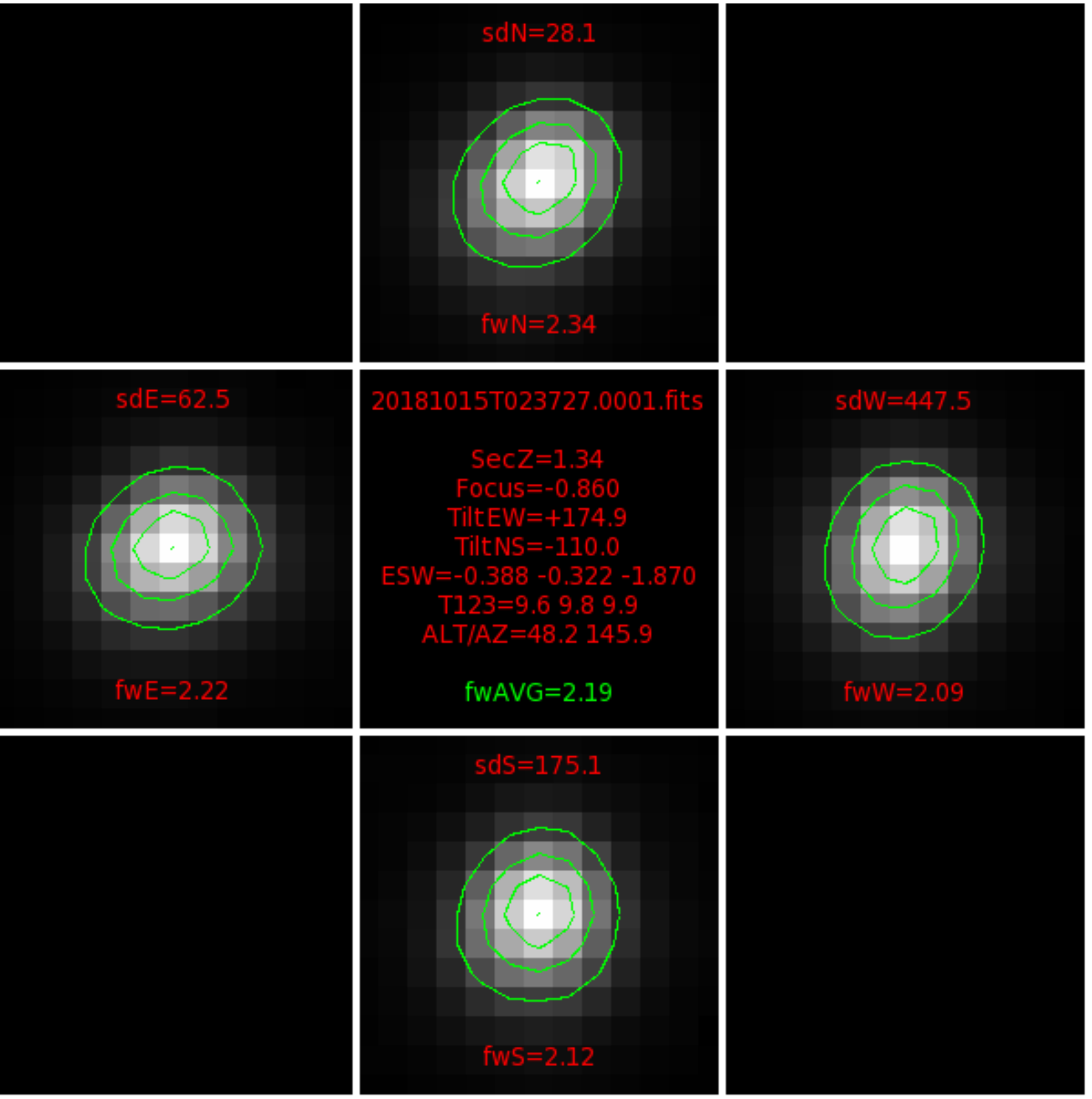
sdN=28.1
fwN=2.34
sdE=62.5
fwE=2.22
20181015T023727.0001.fits
SecZ=1.34
Focus=-0.860
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.388 -0.322 -1.870
T123=9.6 9.8 9.9
ALT/AZ=48.2 145.9
fwAVG=2.19
sdW=447.5
fwW=2.09
sdS=175.1
fwS=2.12
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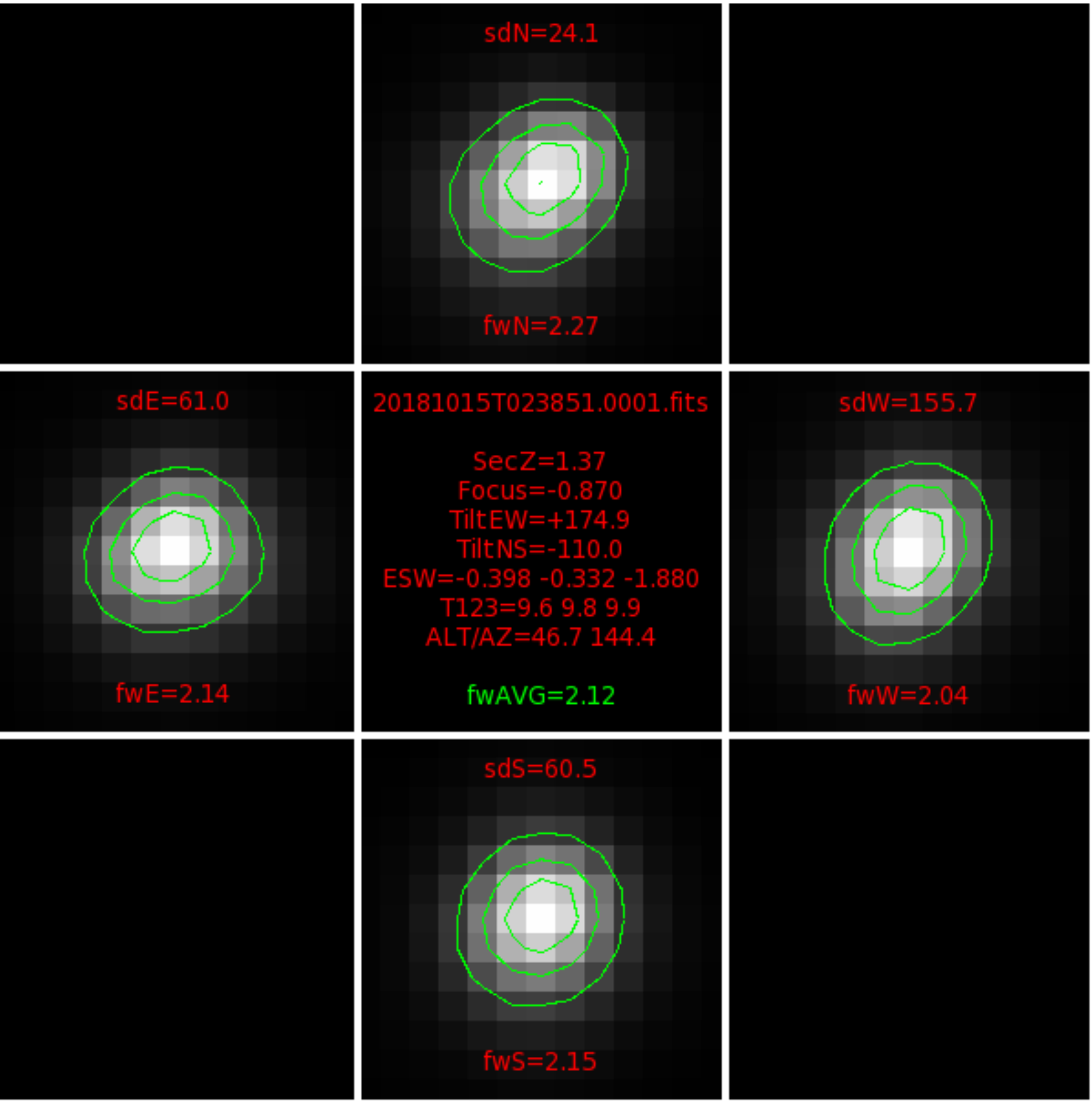
sdN=24.1
fwN=2.27
sdE=61.0
fwE=2.14
20181015T023851.0001.fits
SecZ=1.37
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.8 9.9
ALT/AZ=46.7 144.4
fwAVG=2.12
sdW=155.7
fwW=2.04
sdS=60.5
fwS=2.15
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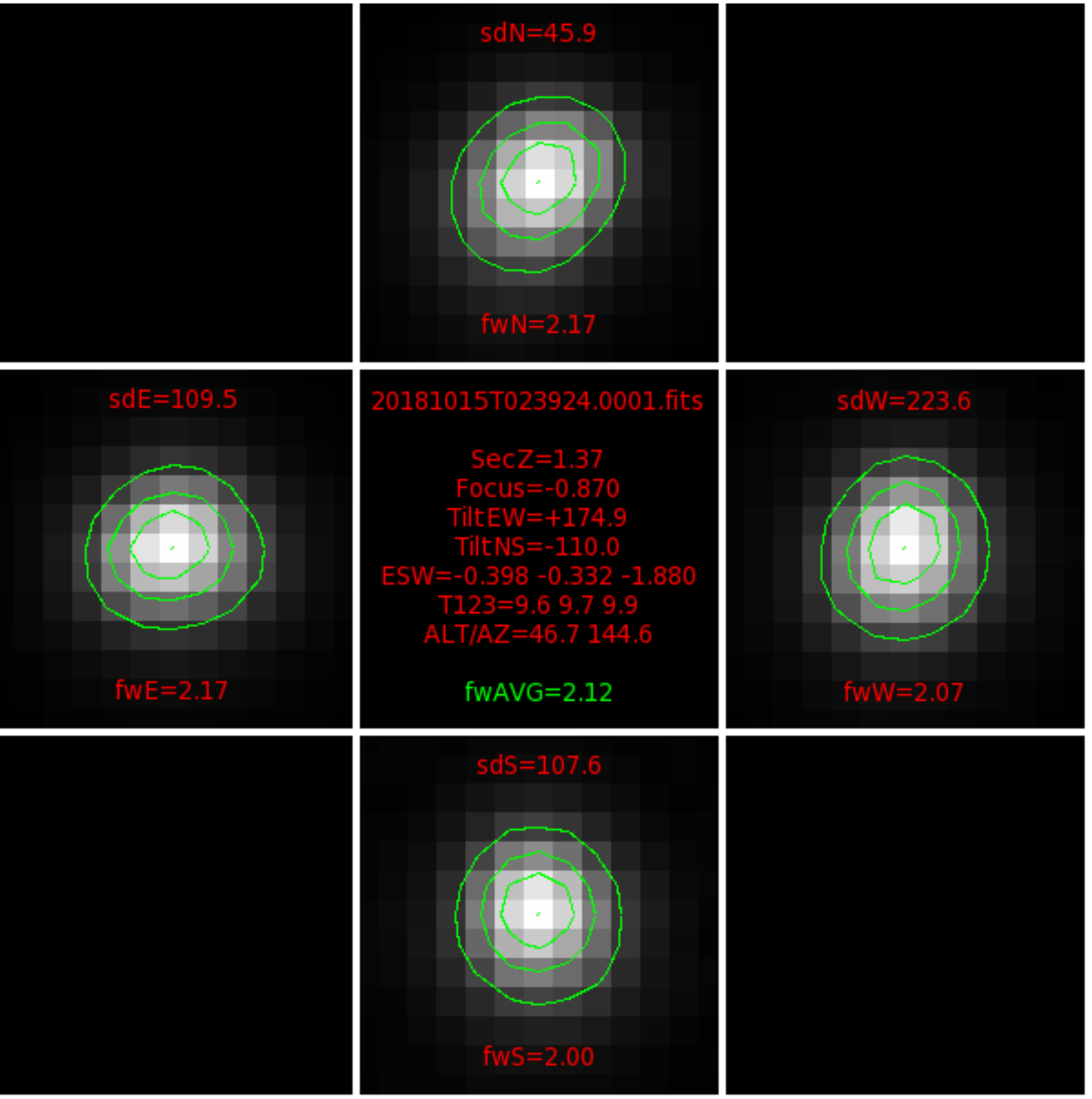
sdN=45.9
fwN=2.17
sdE=109.5
fwE=2.17
20181015T023924.0001.fits
SecZ=1.37
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.7 9.9
ALT/AZ=46.7 144.6
fwAVG=2.12
sdW=223.6
fwW=2.07
sdS=107.6
fwS=2.00
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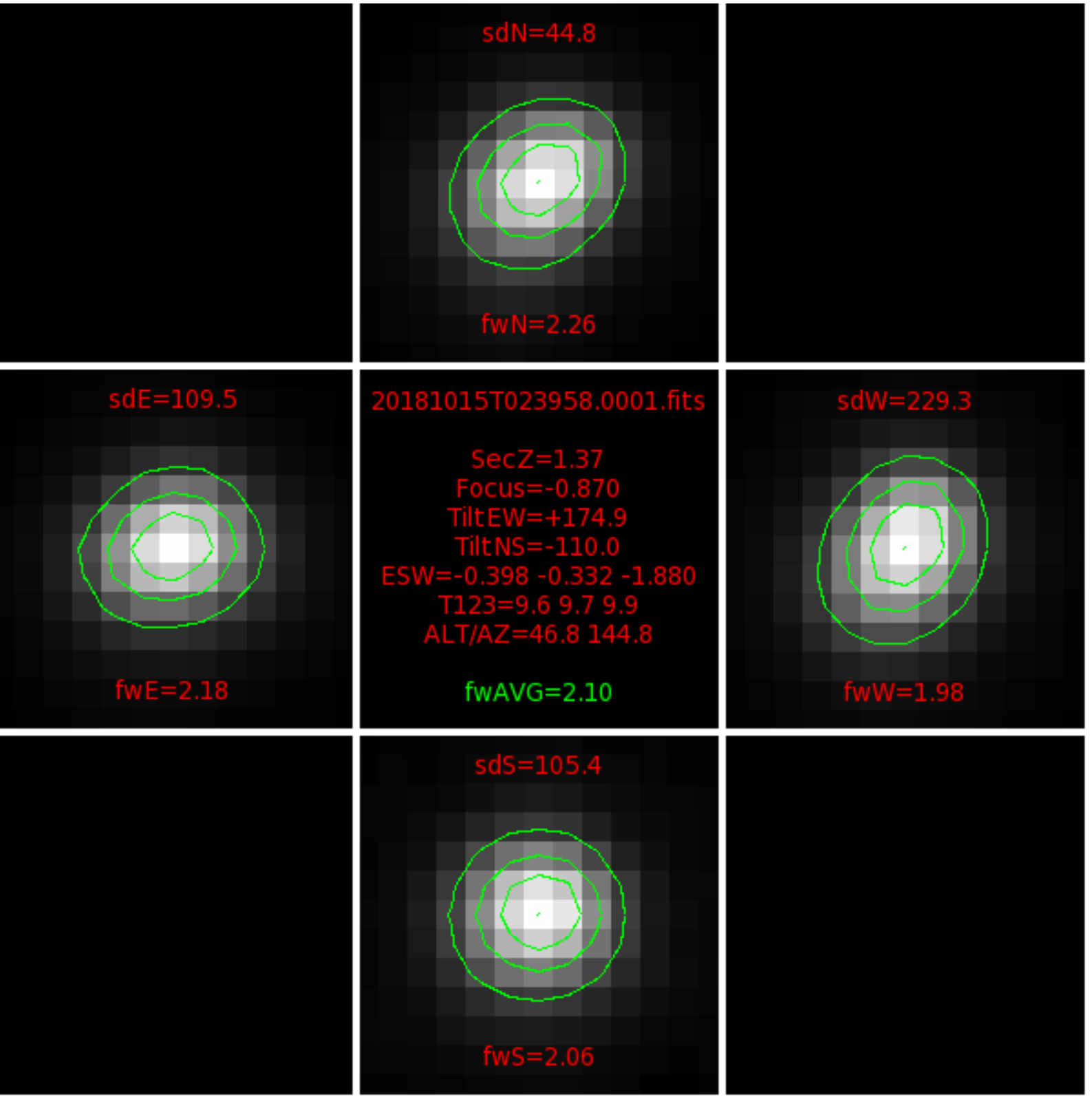
sdN=44.8
fwN=2.26
sdE=109.5
fwE=2.18
20181015T023958.0001.fits
SecZ=1.37
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.7 9.9
ALT/AZ=46.8 144.8
fwAVG=2.10
sdW=229.3
fwW=1.98
sdS=105.4
fwS=2.06
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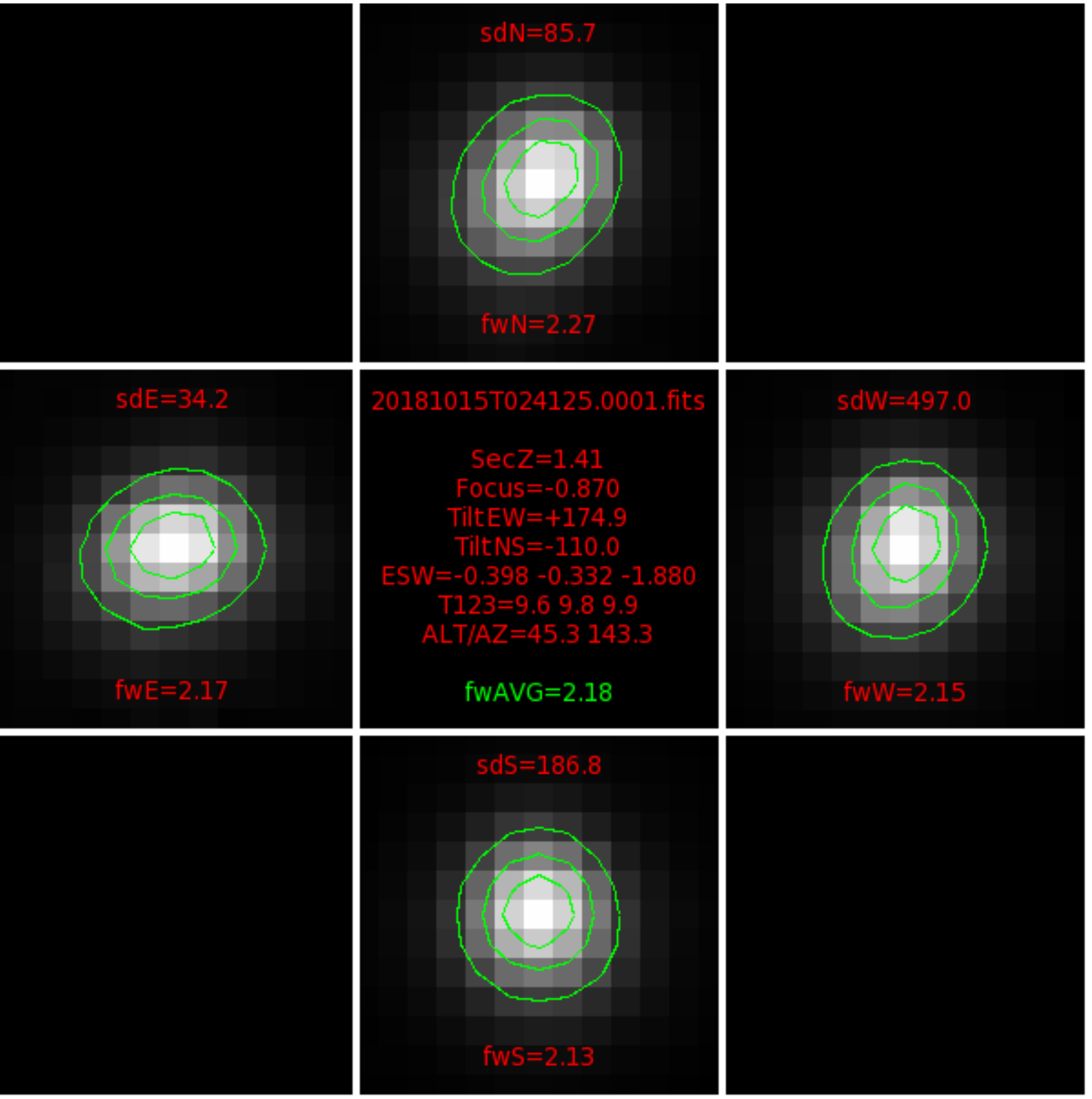
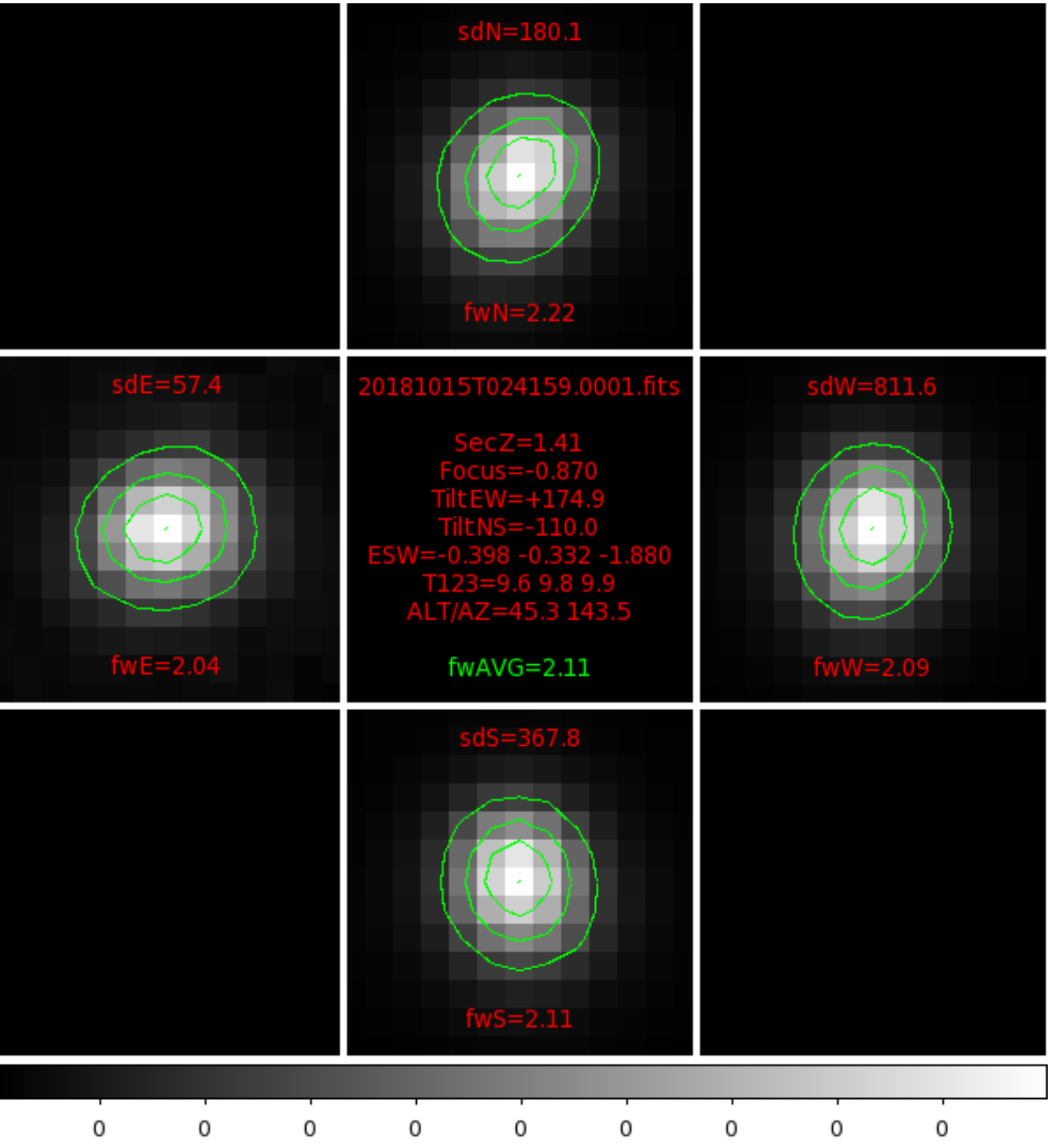
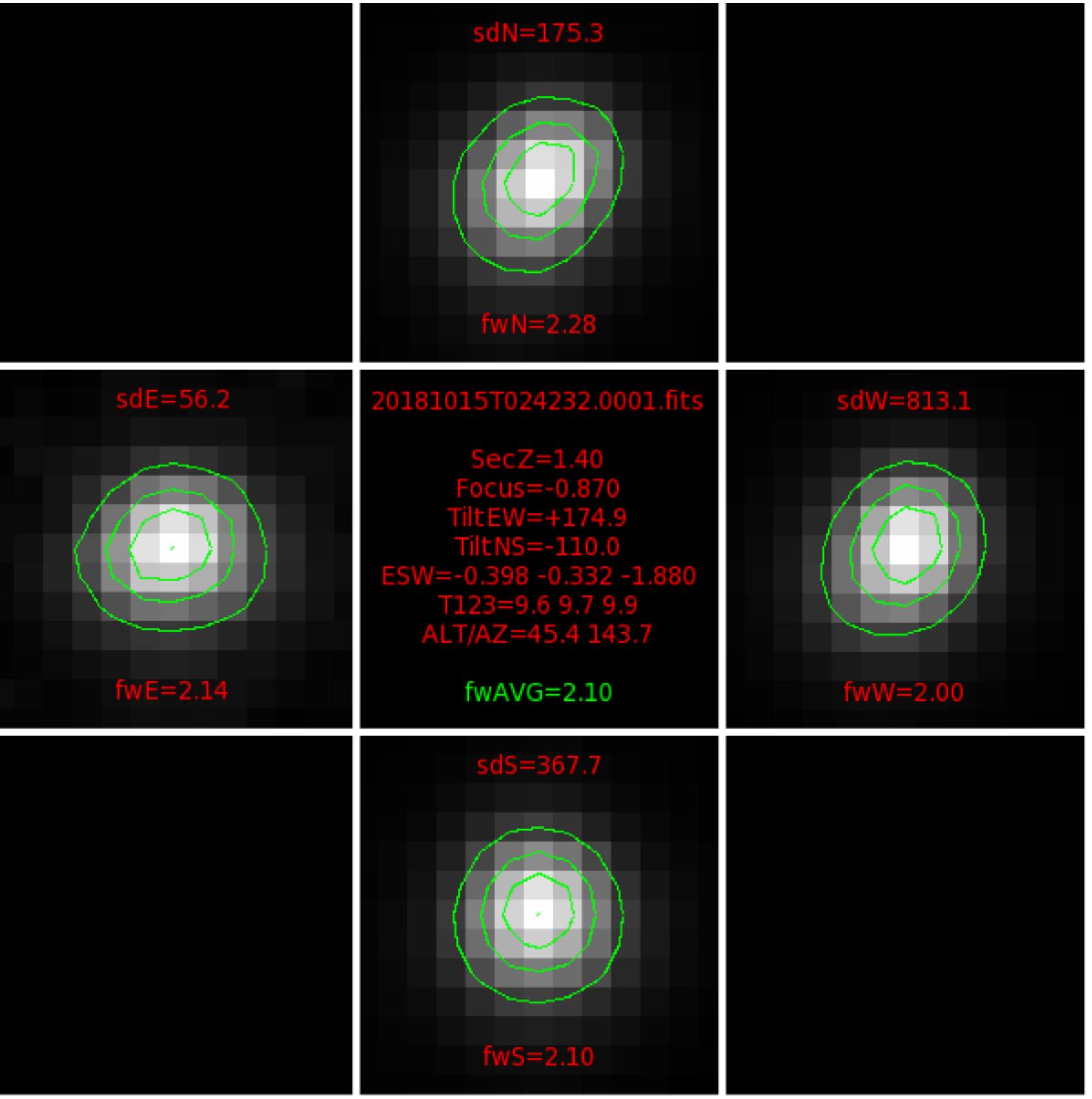

sdN=85.7
fwN=2.27
sdE=34.2
fwE=2.17
20181015T024125.0001.fits
SecZ=1.41
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.8 9.9
ALT/AZ=45.3 143.3
fwAVG=2.18
sdW=497.0
fwW=2.15
sdS=186.8
fwS=2.13
0 0 0 0 0 0 0 0 0


sdN=180.1
fwN=2.22
sdE=57.4
fwE=2.04
20181015T024159.0001.fits
SecZ=1.41
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.8 9.9
ALT/AZ=45.3 143.5
fwAVG=2.11
sdW=811.6
fwW=2.09
sdS=367.8
fwS=2.11
0 0 0 0 0 0 0 0 0


sdN=175.3
fwN=2.28
sdE=56.2
fwE=2.14
20181015T024232.0001.fits
SecZ=1.40
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.7 9.9
ALT/AZ=45.4 143.7
fwAVG=2.10
sdW=813.1
fwW=2.00
sdS=367.7
fwS=2.10
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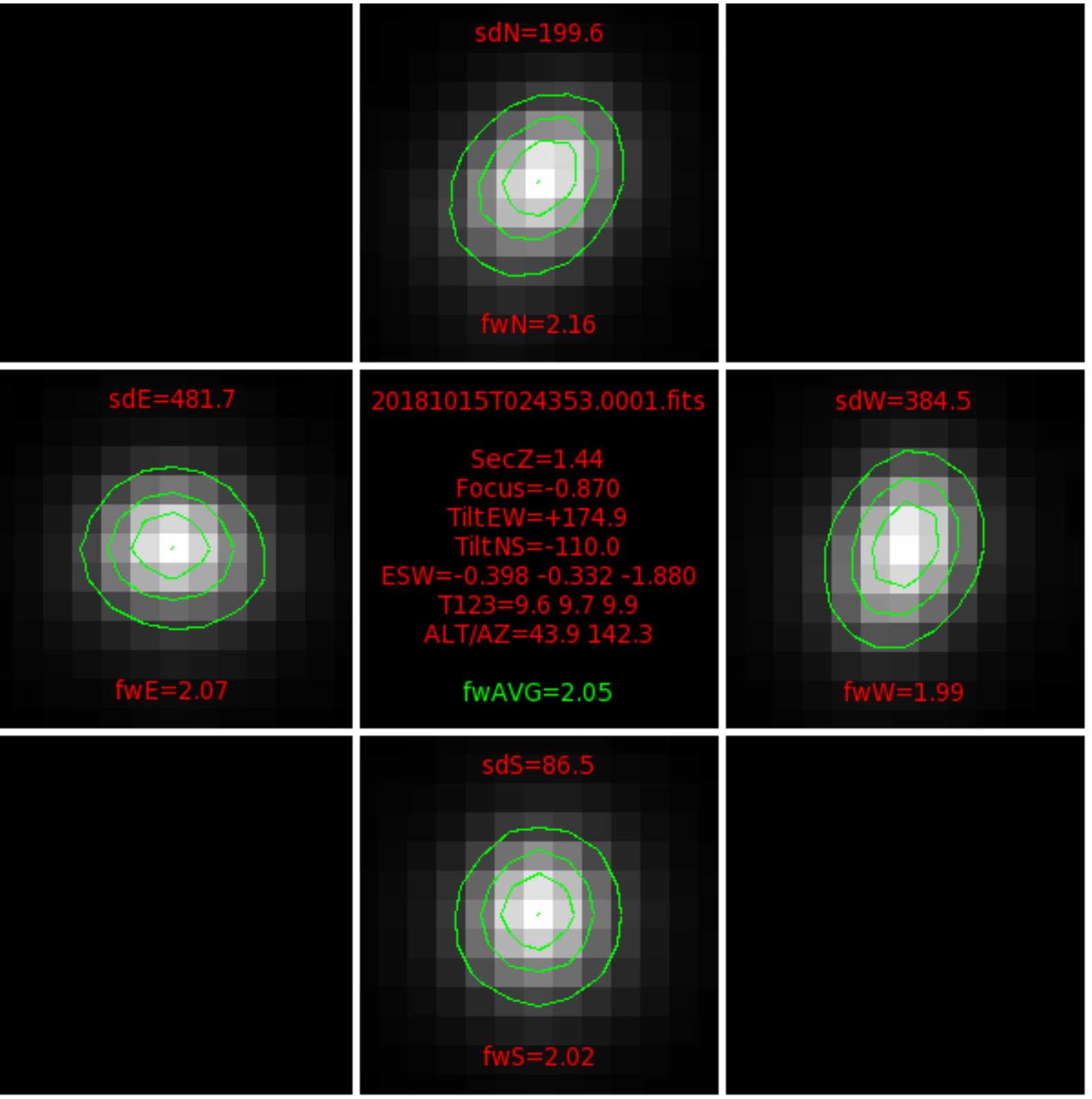
sdN=199.6
fwN=2.16
sdE=481.7
fwE=2.07
20181015T024353.0001.fits
SecZ=1.44
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.7 9.9
ALT/AZ=43.9 142.3
fwAVG=2.05
sdW=384.5
fwW=1.99
sdS=86.5
fwS=2.02
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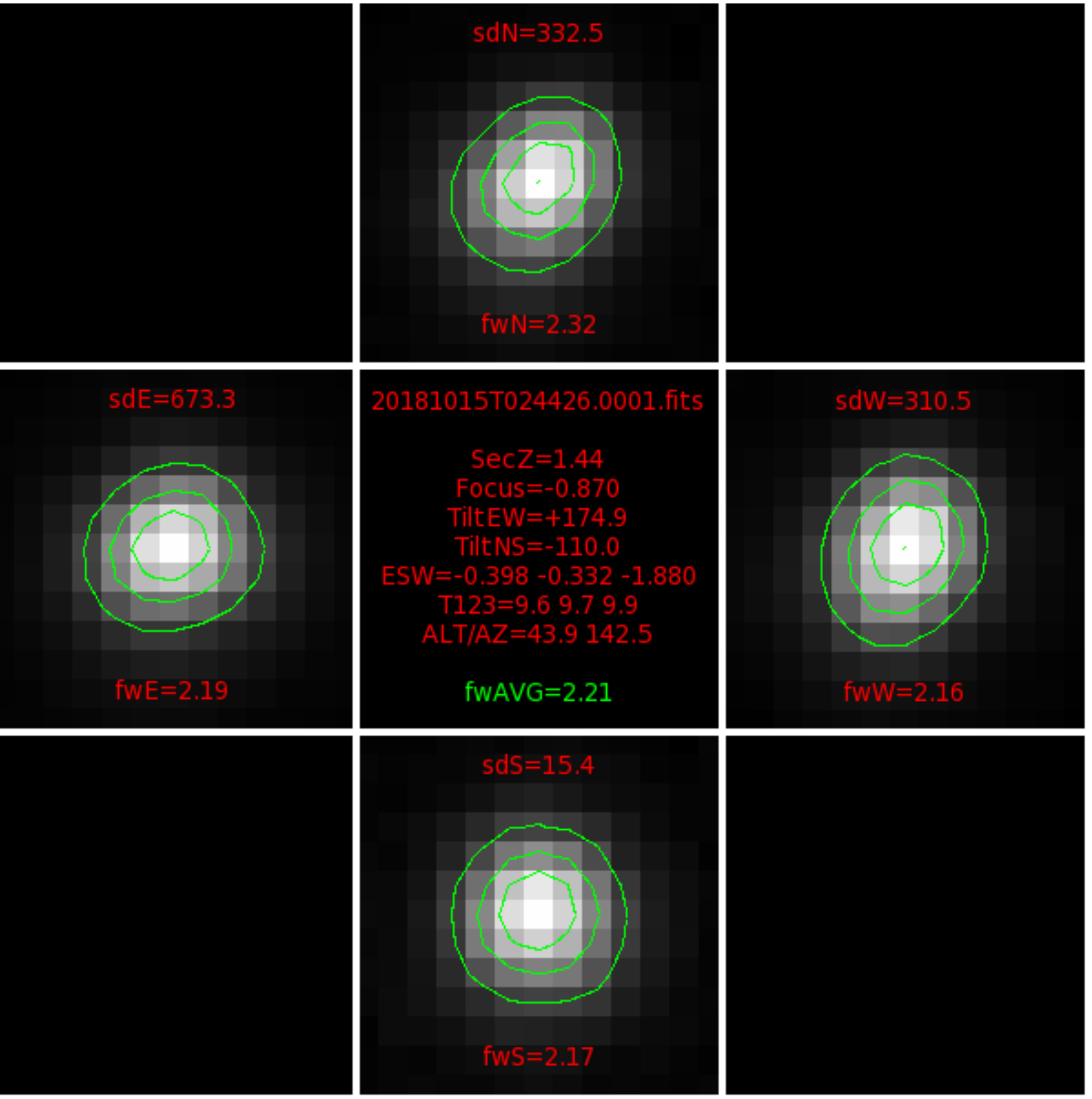
sdN=332.5
fwN=2.32
sdE=673.3
fwE=2.19
20181015T024426.0001.fits
SecZ=1.44
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.7 9.9
ALT/AZ=43.9 142.5
fwAVG=2.21
sdW=310.5
fwW=2.16
sdS=15.4
fwS=2.17
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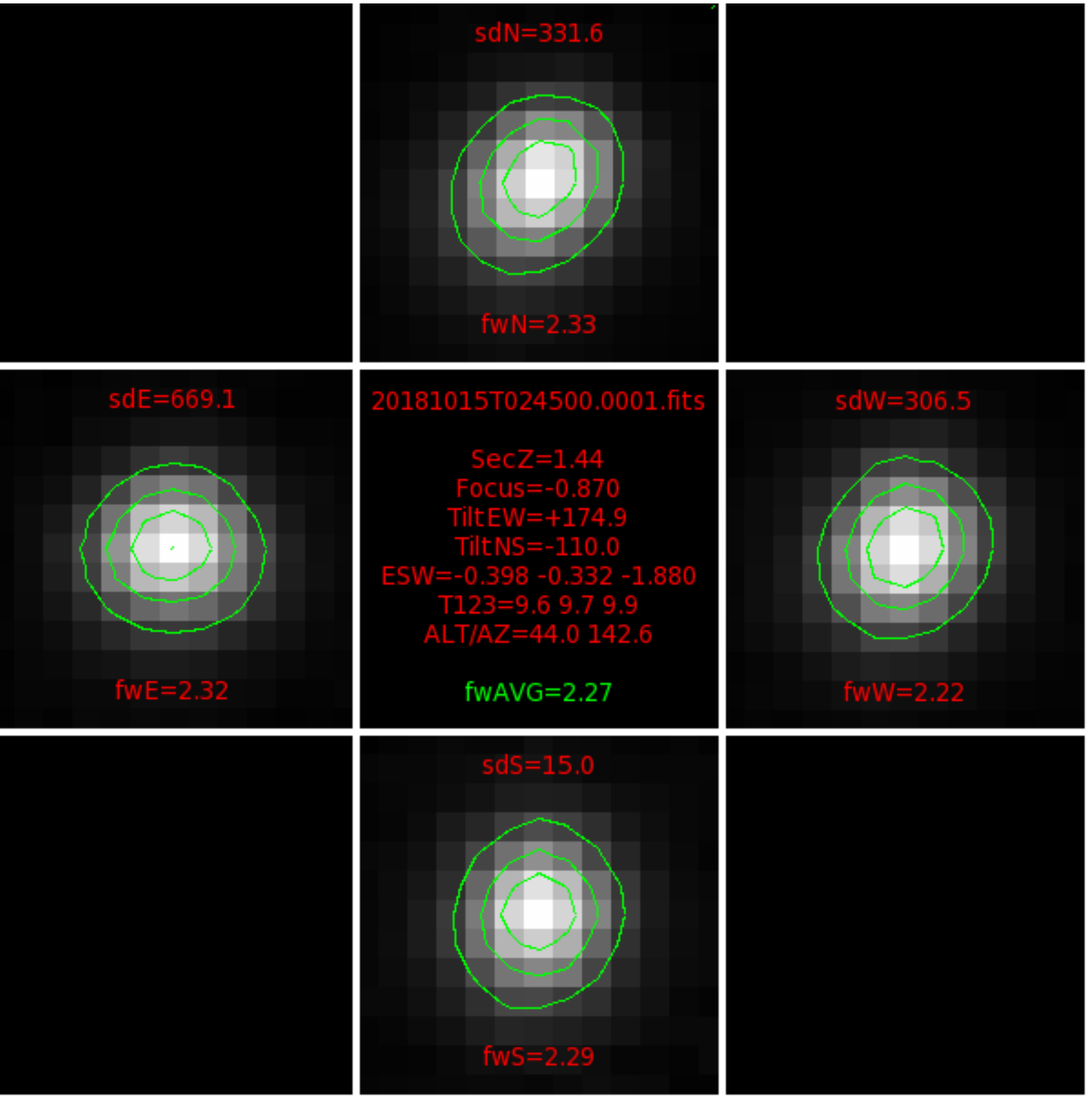
sdN=331.6
fwN=2.33
sdE=669.1
fwE=2.32
20181015T024500.0001.fits
SecZ=1.44
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.7 9.9
ALT/AZ=44.0 142.6
fwAVG=2.27
sdW=306.5
fwW=2.22
sdS=15.0
fwS=2.29
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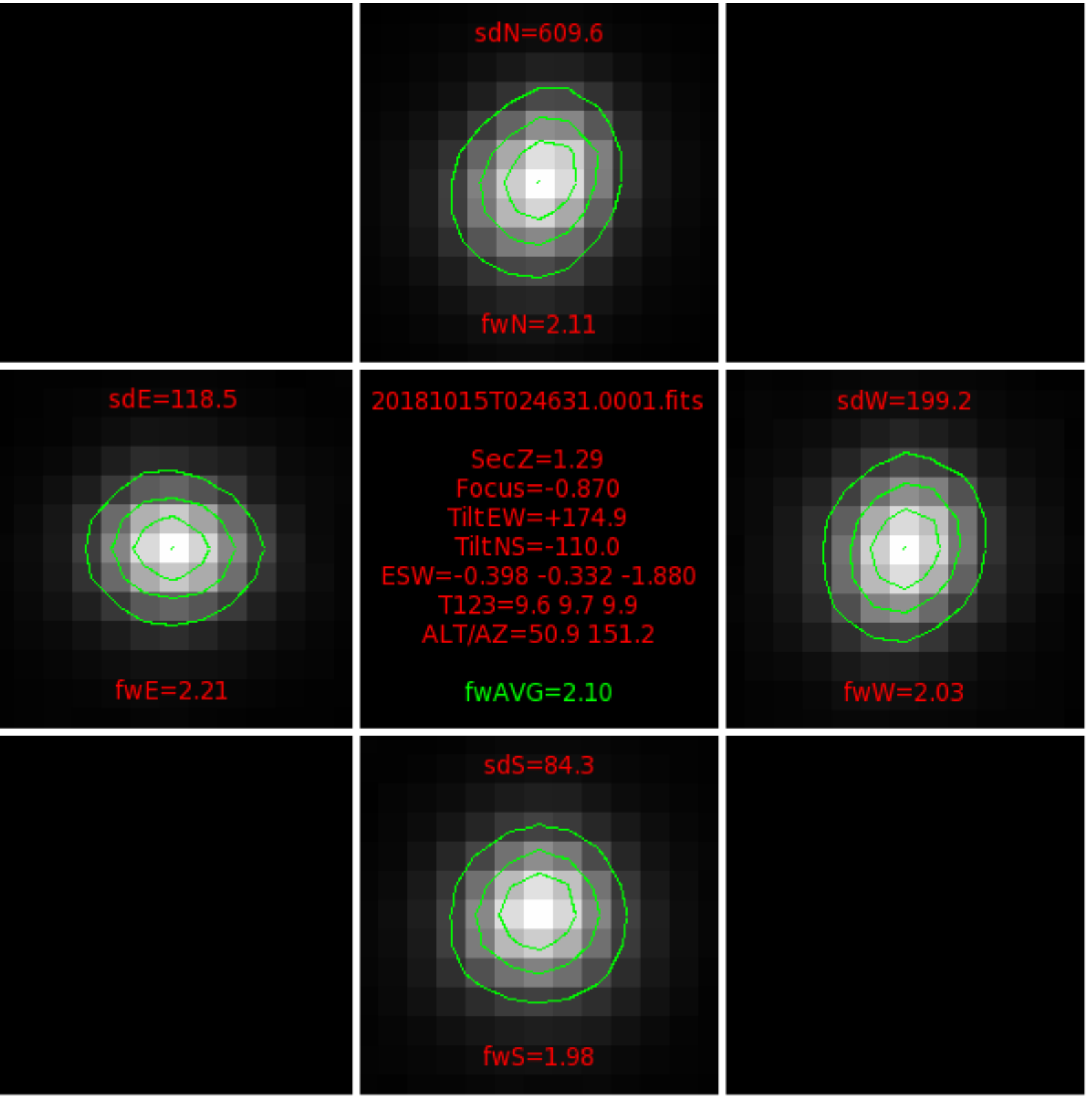
sdN=609.6
fwN=2.11
sdE=118.5
fwE=2.21
20181015T024631.0001.fits
SecZ=1.29
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.7 9.9
ALT/AZ=50.9 151.2
fwAVG=2.10
sdW=199.2
fwW=2.03
sdS=84.3
fwS=1.98
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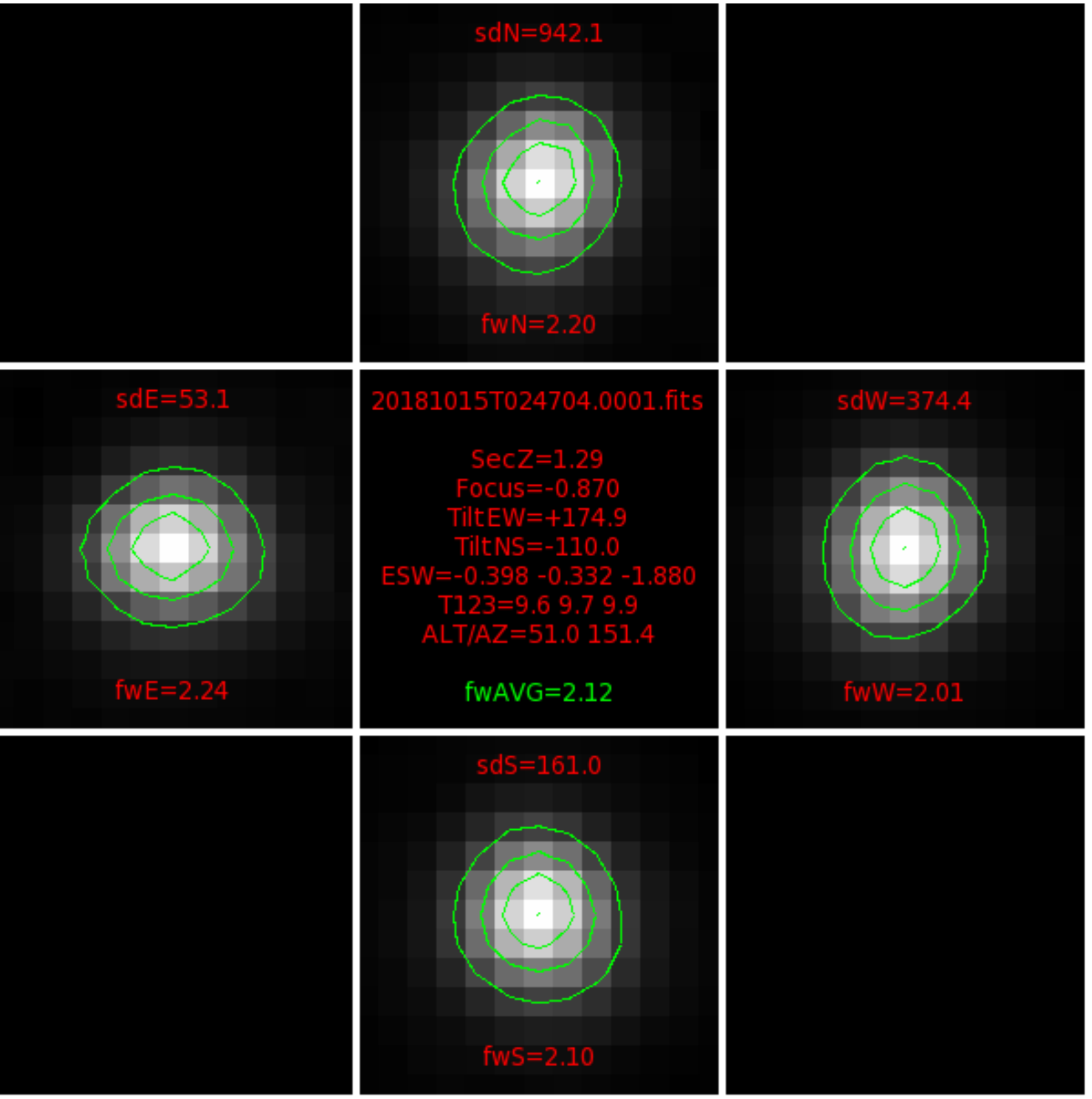
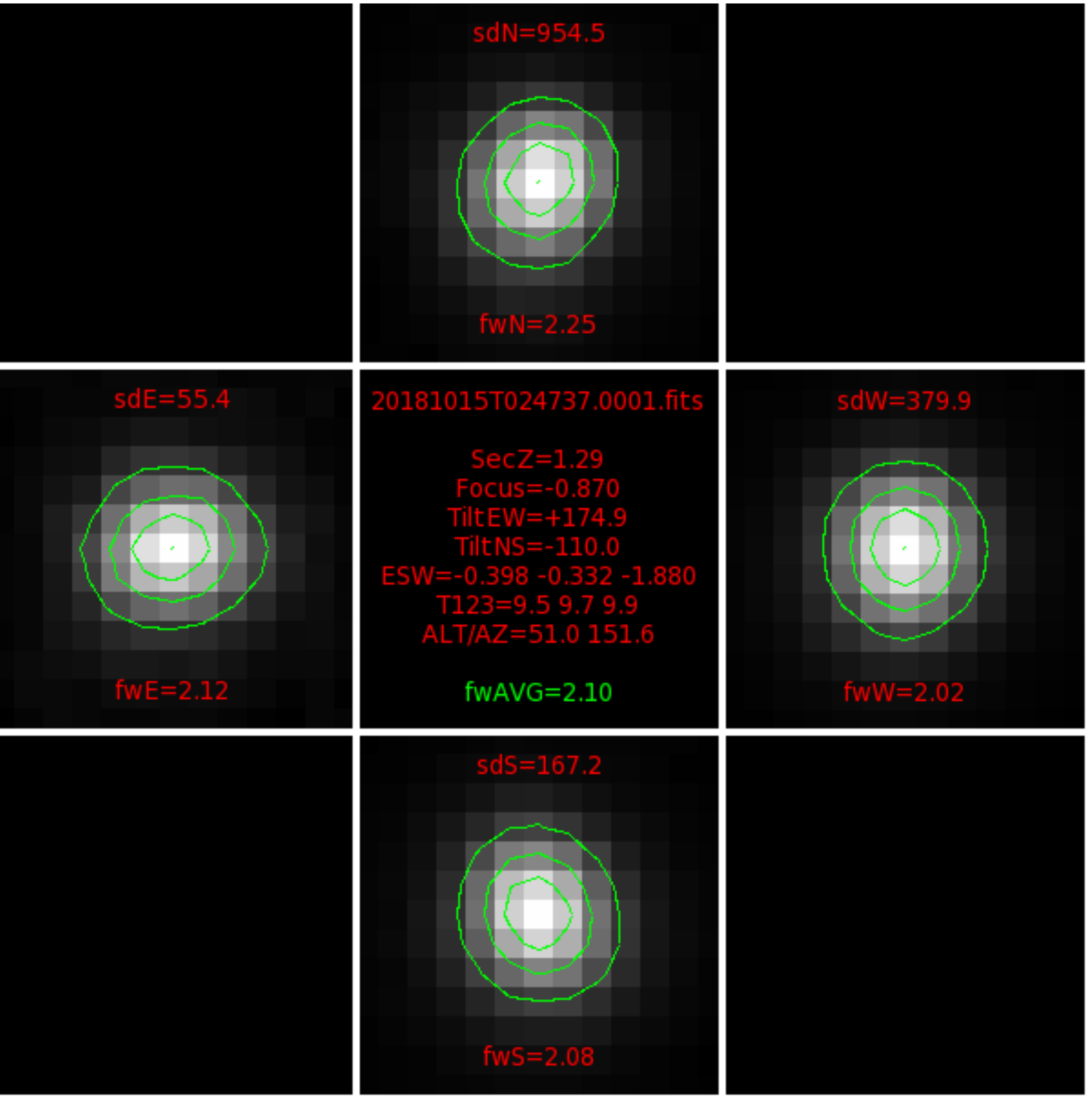

sdN=942.1
fwN=2.20
sdE=53.1
fwE=2.24
20181015T024704.0001.fits
SecZ=1.29
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.7 9.9
ALT/AZ=51.0 151.4
fwAVG=2.12
sdW=374.4
fwW=2.01
sdS=161.0
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=954.5
fwN=2.25
sdE=55.4
fwE=2.12
20181015T024737.0001.fits
SecZ=1.29
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.7 9.9
ALT/AZ=51.0 151.6
fwAVG=2.10
sdW=379.9
fwW=2.02
sdS=167.2
fwS=2.08
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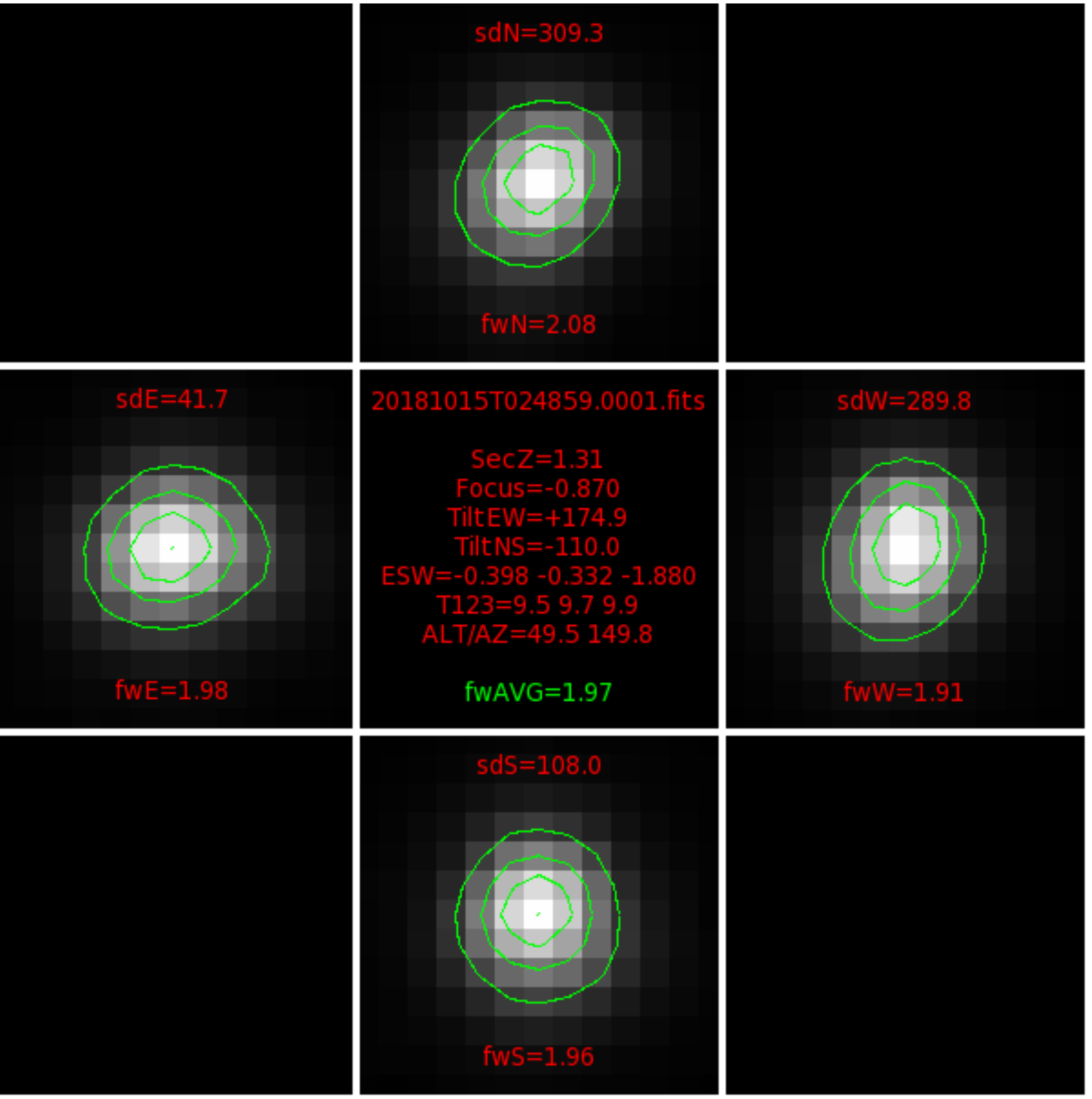
sdN=309.3
fwN=2.08
sdE=41.7
fwE=1.98
20181015T024859.0001.fits
SecZ=1.31
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.7 9.9
ALT/AZ=49.5 149.8
fwAVG=1.97
sdW=289.8
fwW=1.91
sdS=108.0
fwS=1.96
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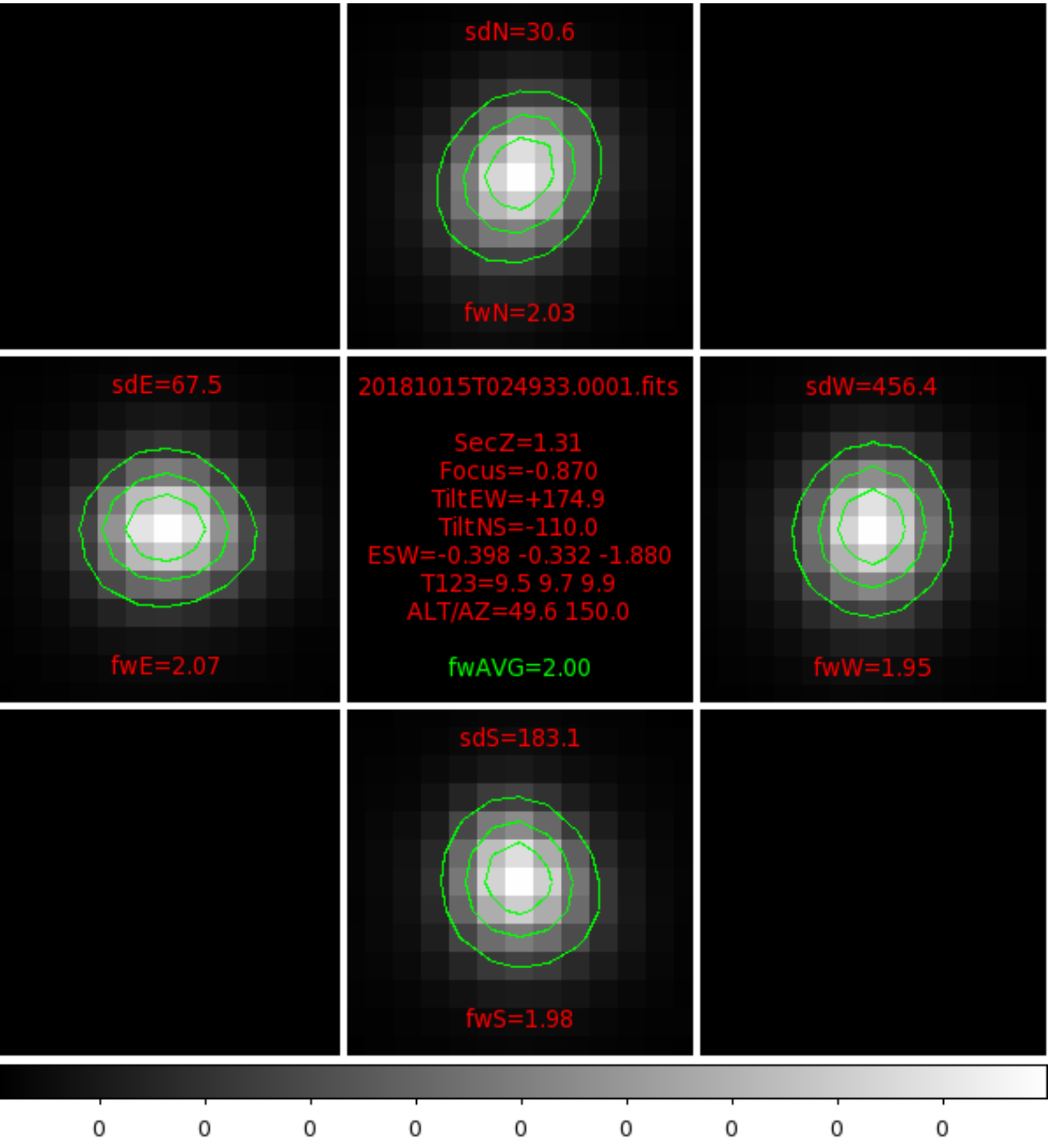
sdN=30.6
fwN=2.03
sdE=67.5
fwE=2.07
20181015T024933.0001.fits
SecZ=1.31
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.7 9.9
ALT/AZ=49.6 150.0
fwAVG=2.00
sdW=456.4
fwW=1.95
sdS=183.1
fwS=1.98
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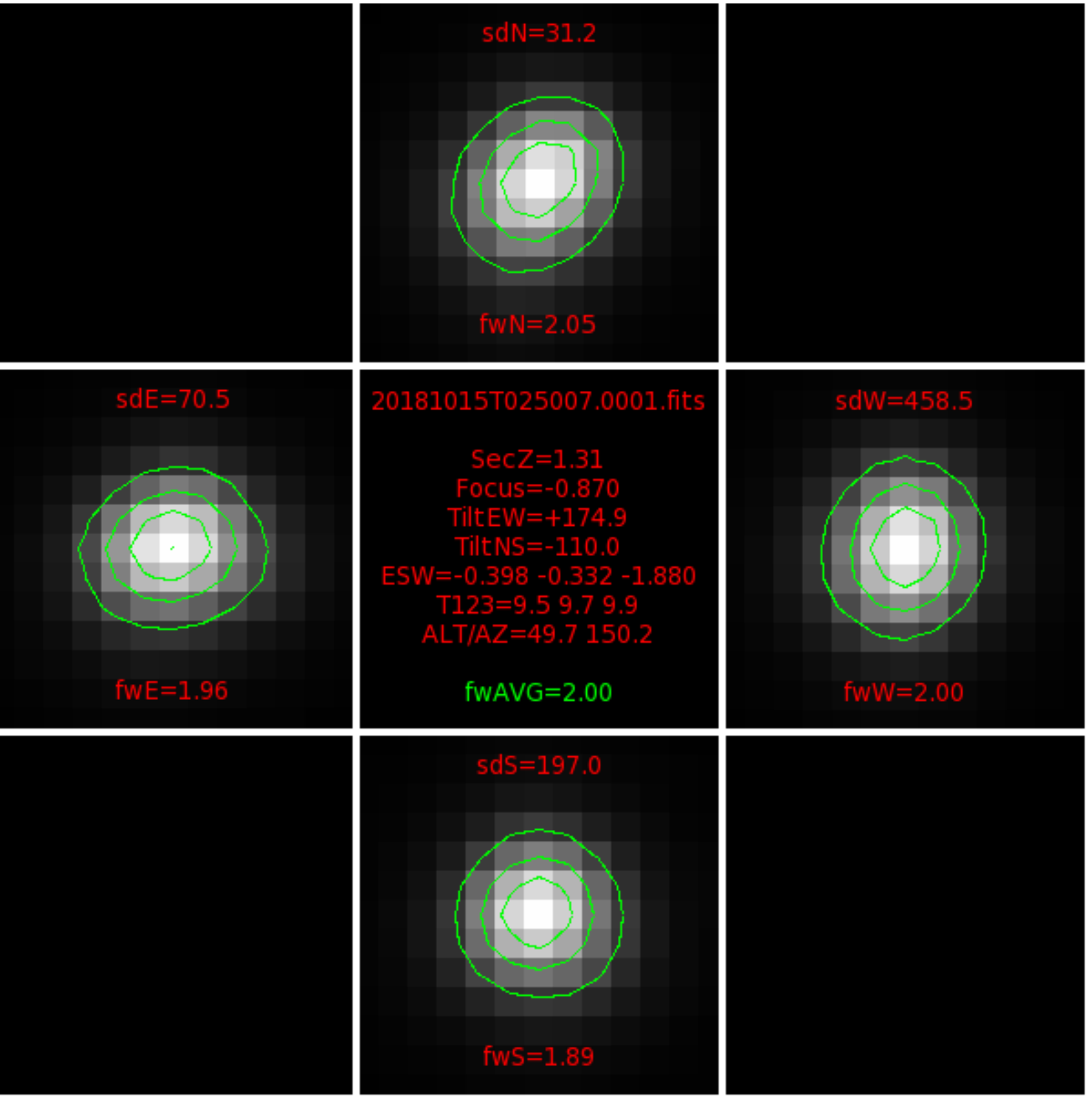
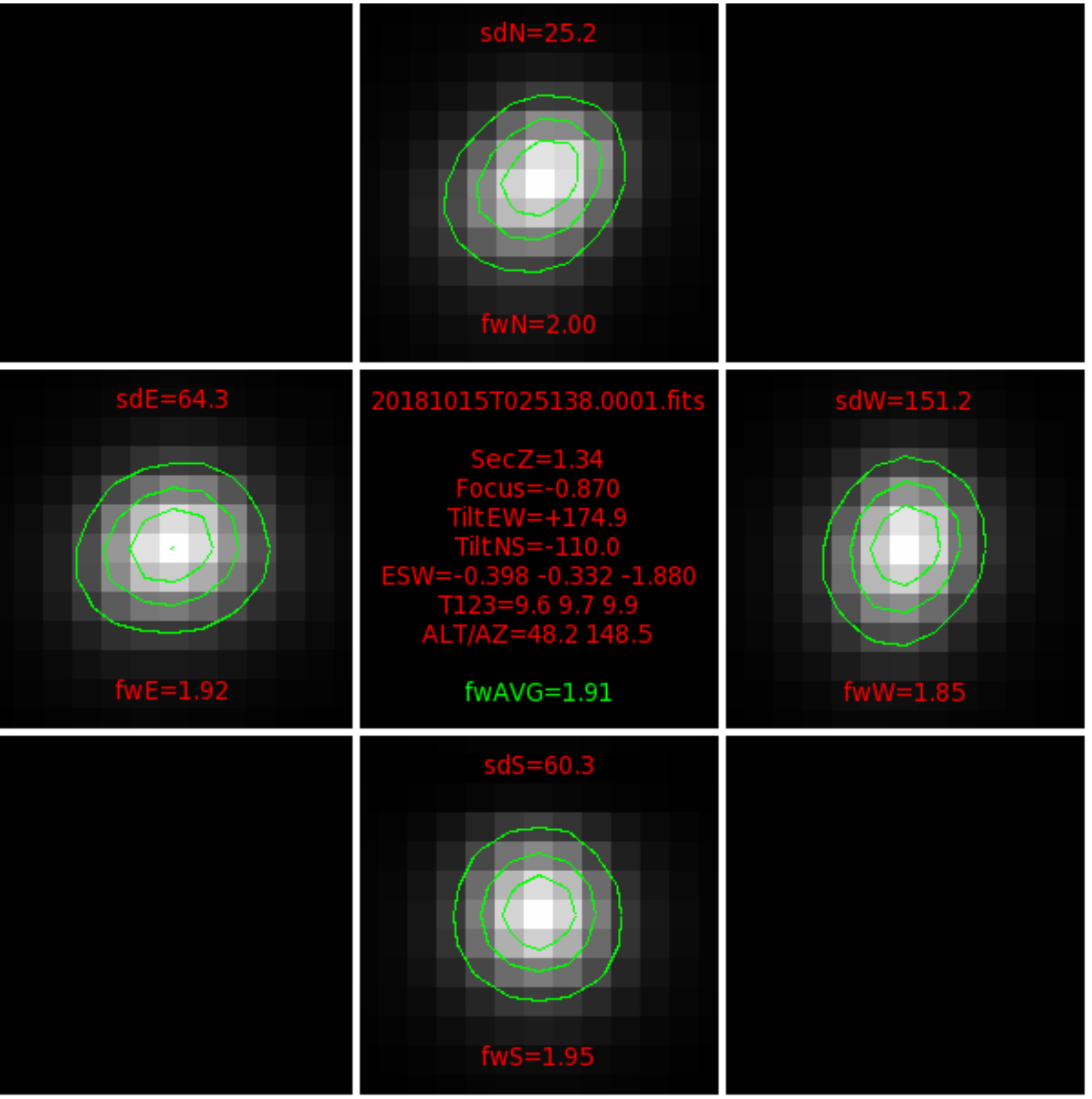
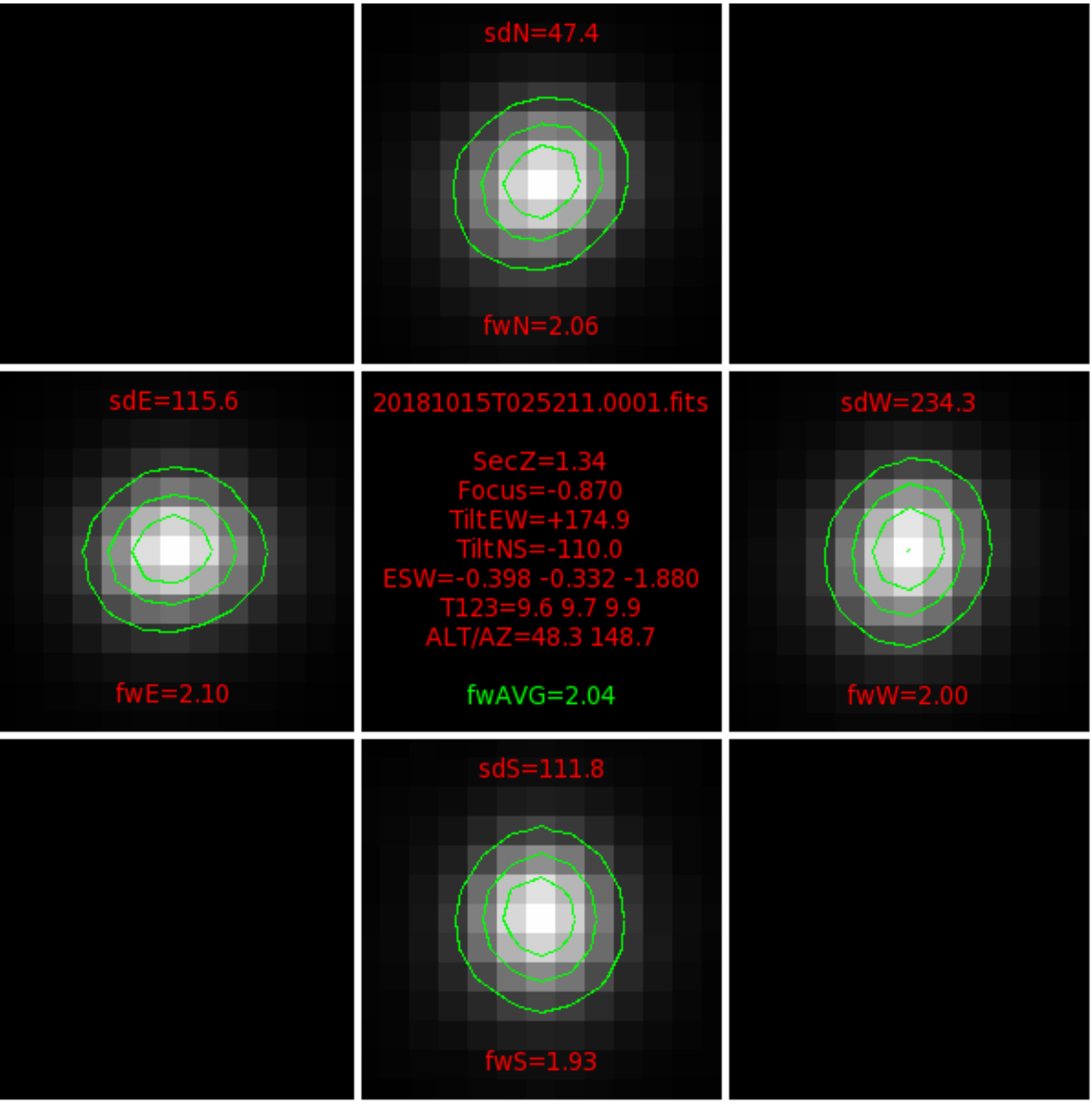
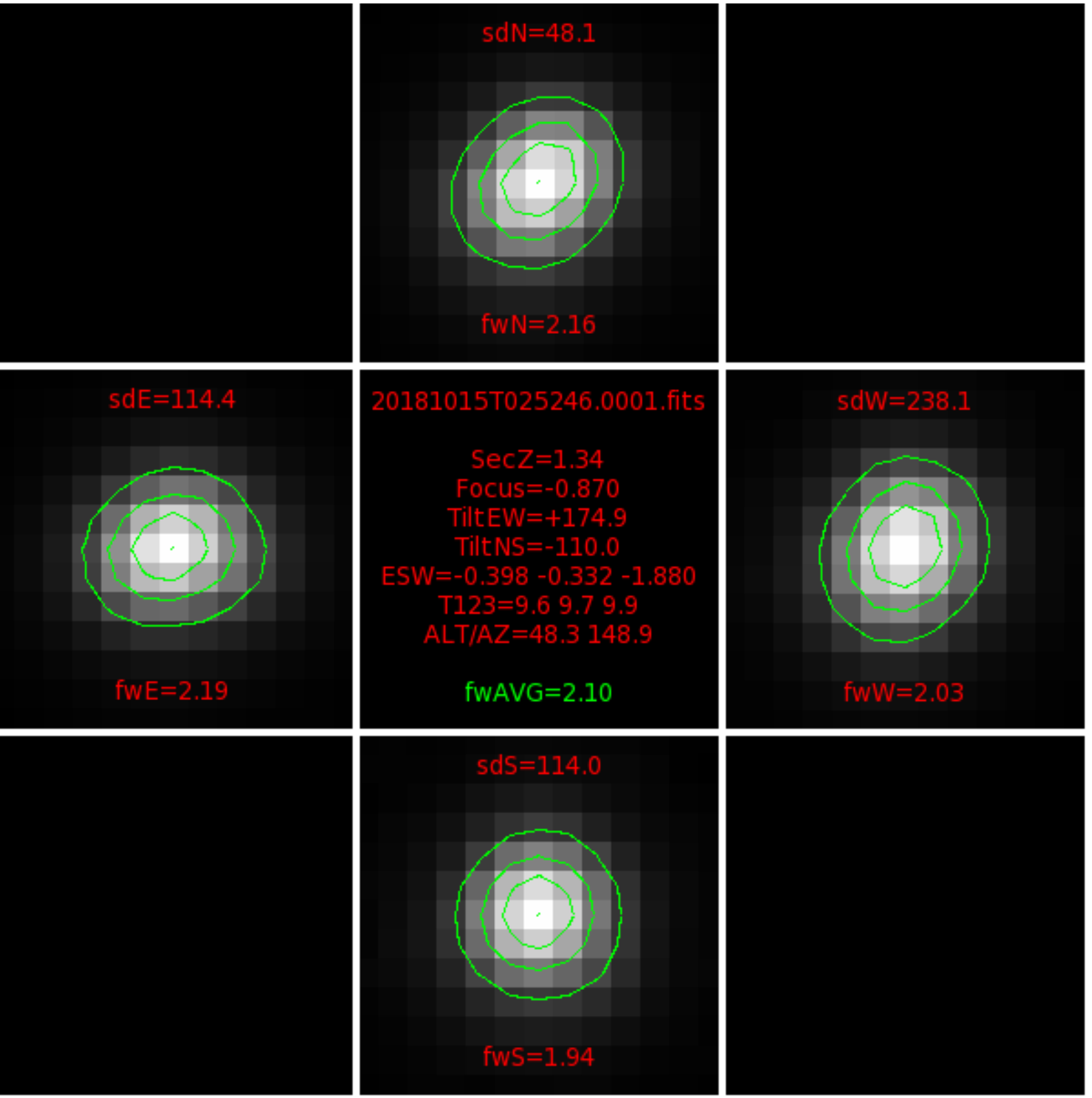
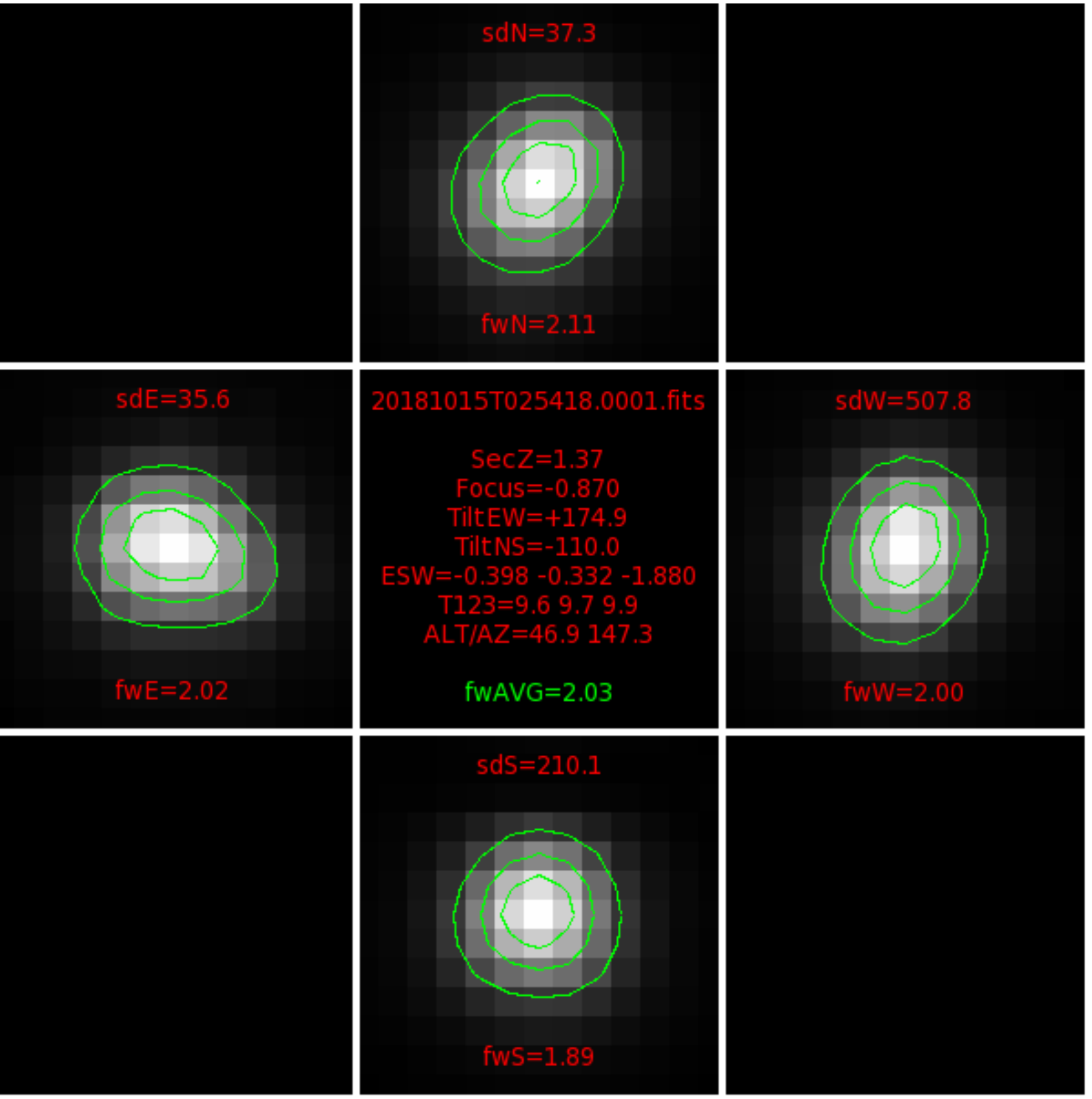

sdN=31.2
fwN=2.05
sdE=70.5
fwE=1.96
20181015T025007.0001.fits
SecZ=1.31
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.7 9.9
ALT/AZ=49.7 150.2
fwAVG=2.00
sdW=458.5
fwW=2.00
sdS=197.0
fwS=1.89
0 0 0 0 0 0 0 0 0


sdN=25.2
fwN=2.00
sdE=64.3
fwE=1.92
20181015T025138.0001.fits
SecZ=1.34
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.7 9.9
ALT/AZ=48.2 148.5
fwAVG=1.91
sdW=151.2
fwW=1.85
sdS=60.3
fwS=1.95
0 0 0 0 0 0 0 0 0


sdN=47.4
fwN=2.06
sdE=115.6
fwE=2.10
20181015T025211.0001.fits
SecZ=1.34
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.7 9.9
ALT/AZ=48.3 148.7
fwAVG=2.04
sdW=234.3
fwW=2.00
sdS=111.8
fwS=1.93
0 0 0 0 0 0 0 0 0


sdN=48.1
fwN=2.16
sdE=114.4
fwE=2.19
20181015T025246.0001.fits
SecZ=1.34
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.7 9.9
ALT/AZ=48.3 148.9
fwAVG=2.10
sdW=238.1
fwW=2.03
sdS=114.0
fwS=1.94
0 0 0 0 0 0 0 0 0


sdN=37.3
fwN=2.11
sdE=35.6
fwE=2.02
20181015T025418.0001.fits
SecZ=1.37
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.7 9.9
ALT/AZ=46.9 147.3
fwAVG=2.03
sdW=507.8
fwW=2.00
sdS=210.1
fwS=1.89
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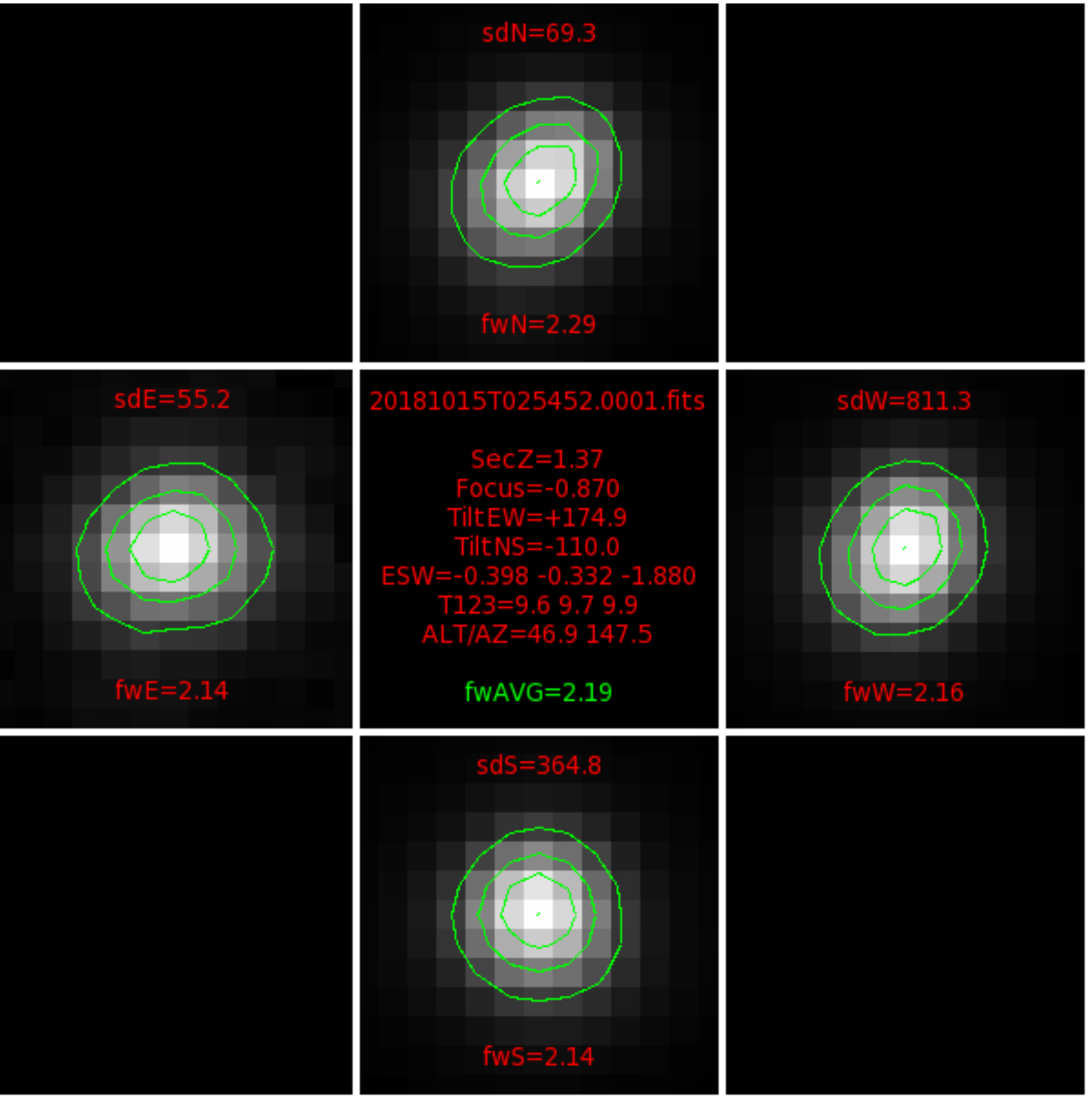
sdN=69.3
fwN=2.29
sdE=55.2
fwE=2.14
20181015T025452.0001.fits
SecZ=1.37
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.7 9.9
ALT/AZ=46.9 147.5
fwAVG=2.19
sdW=811.3
fwW=2.16
sdS=364.8
fwS=2.14
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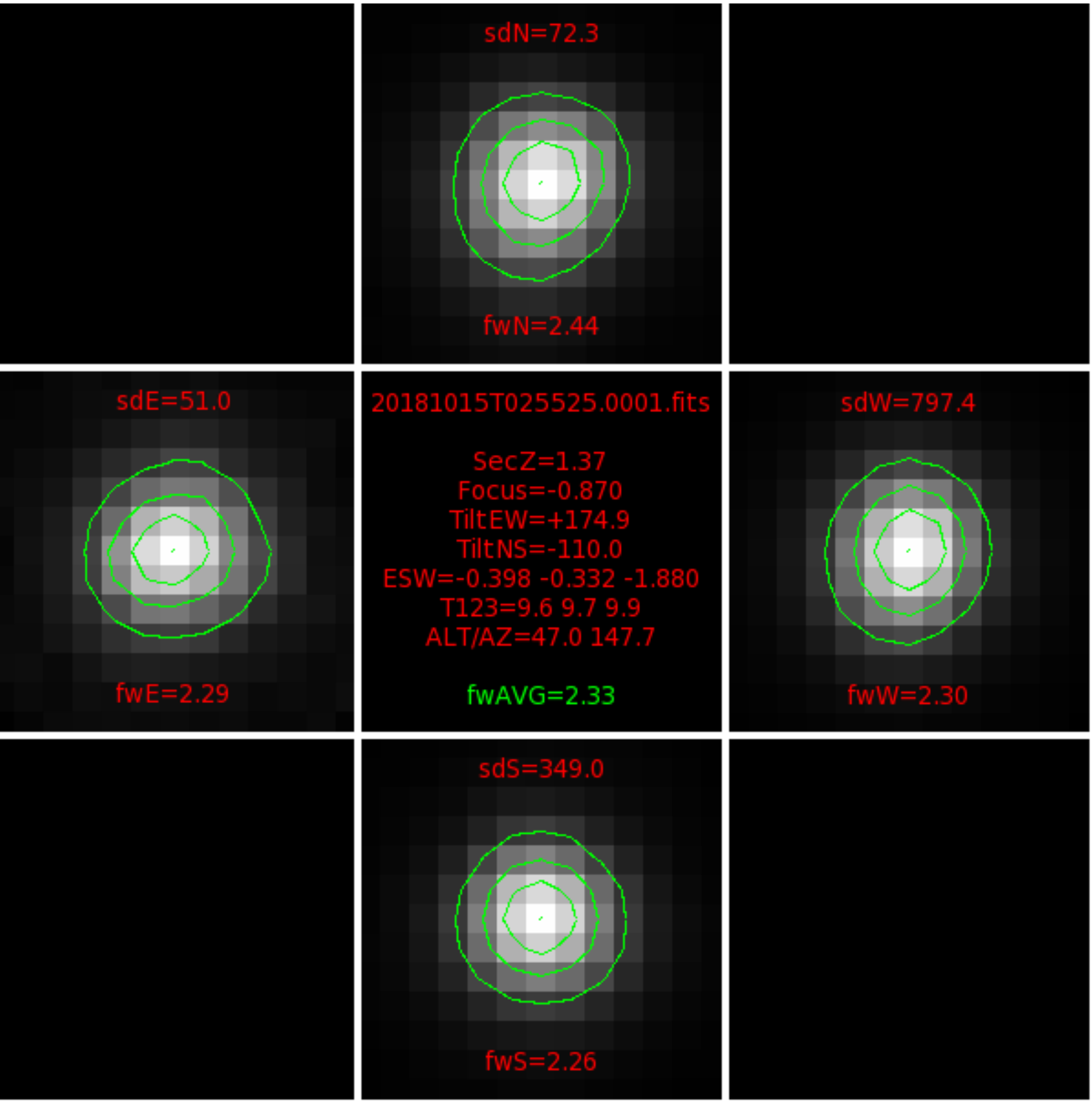
sdN=72.3
fwN=2.44
sdE=51.0
fwE=2.29
20181015T025525.0001.fits
SecZ=1.37
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.7 9.9
ALT/AZ=47.0 147.7
fwAVG=2.33
sdW=797.4
fwW=2.30
sdS=349.0
fwS=2.26
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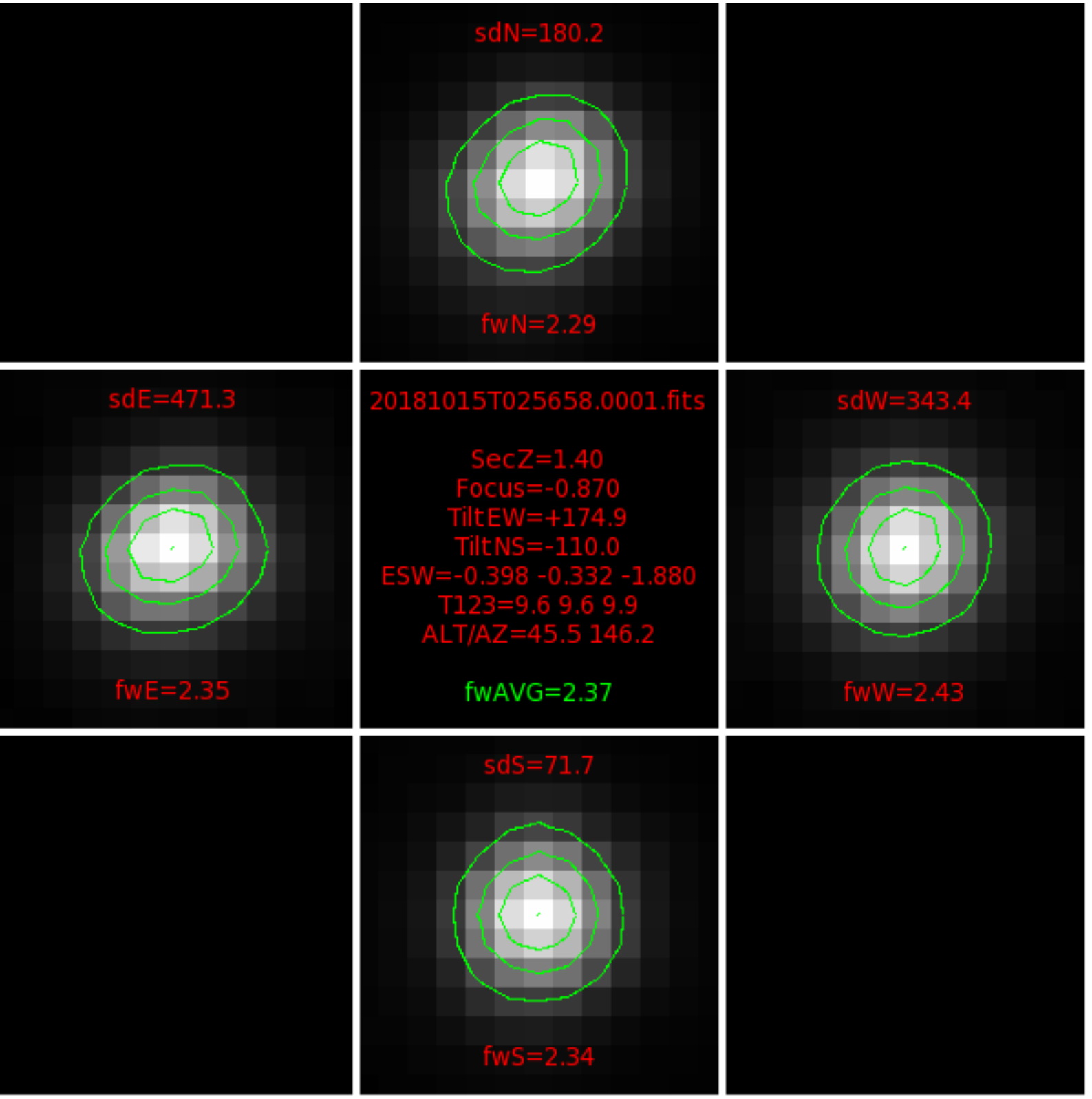
sdN=180.2
fwN=2.29
sdE=471.3
fwE=2.35
20181015T025658.0001.fits
SecZ=1.40
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.9
ALT/AZ=45.5 146.2
fwAVG=2.37
sdW=343.4
fwW=2.43
sdS=71.7
fwS=2.34
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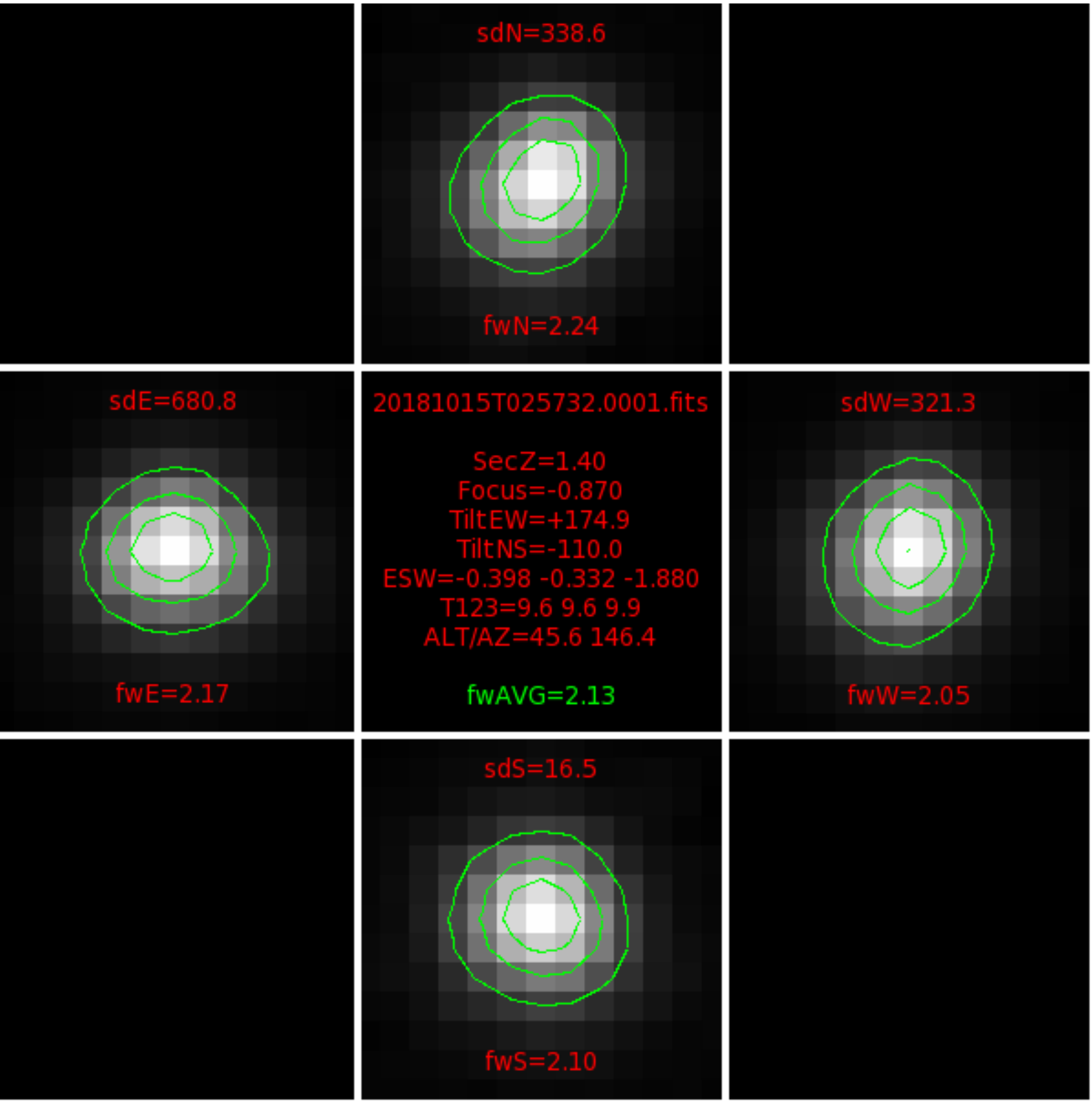
sdN=338.6
fwN=2.24
sdE=680.8
fwE=2.17
20181015T025732.0001.fits
SecZ=1.40
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.9
ALT/AZ=45.6 146.4
fwAVG=2.13
sdW=321.3
fwW=2.05
sdS=16.5
fwS=2.10
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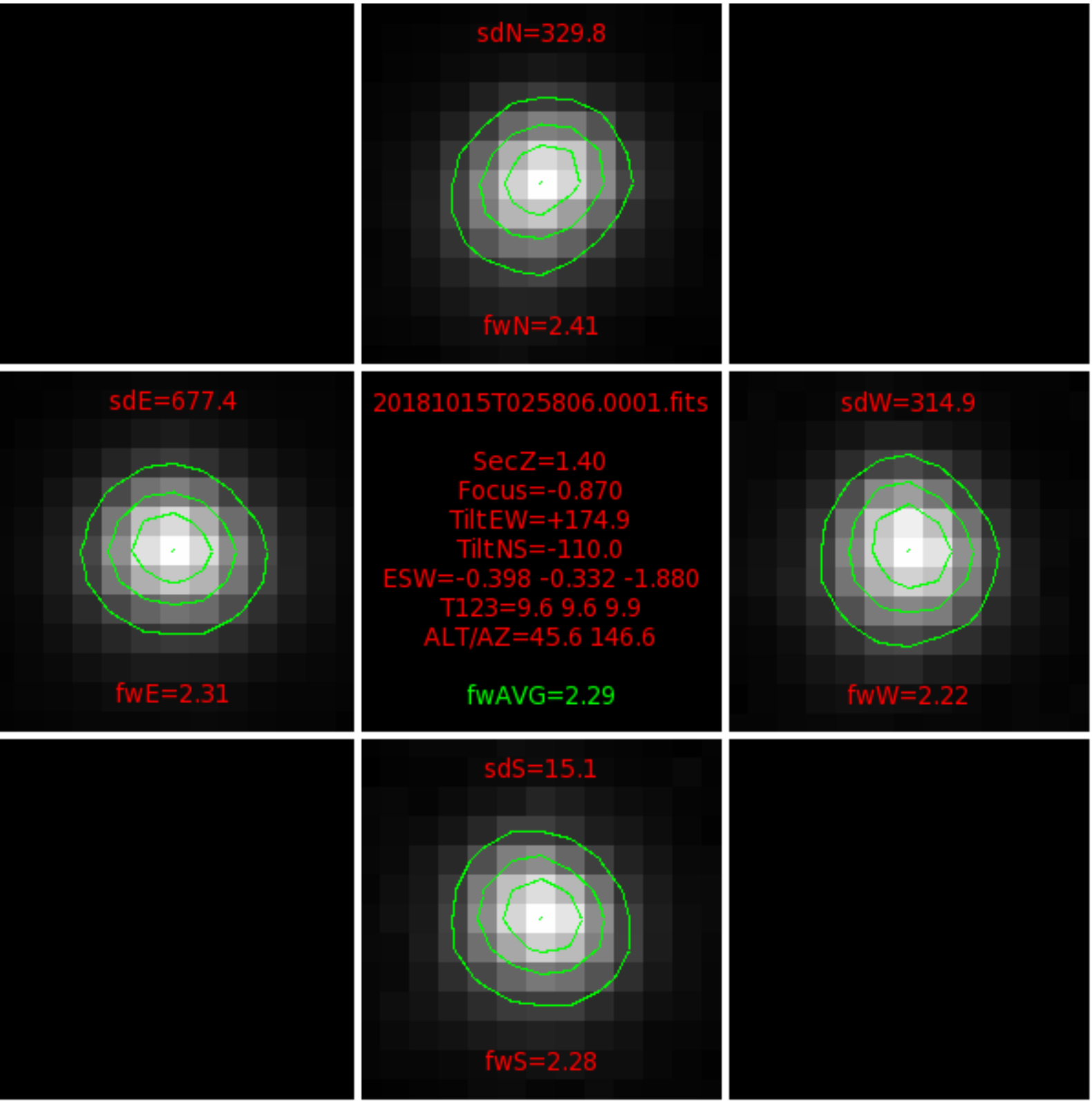
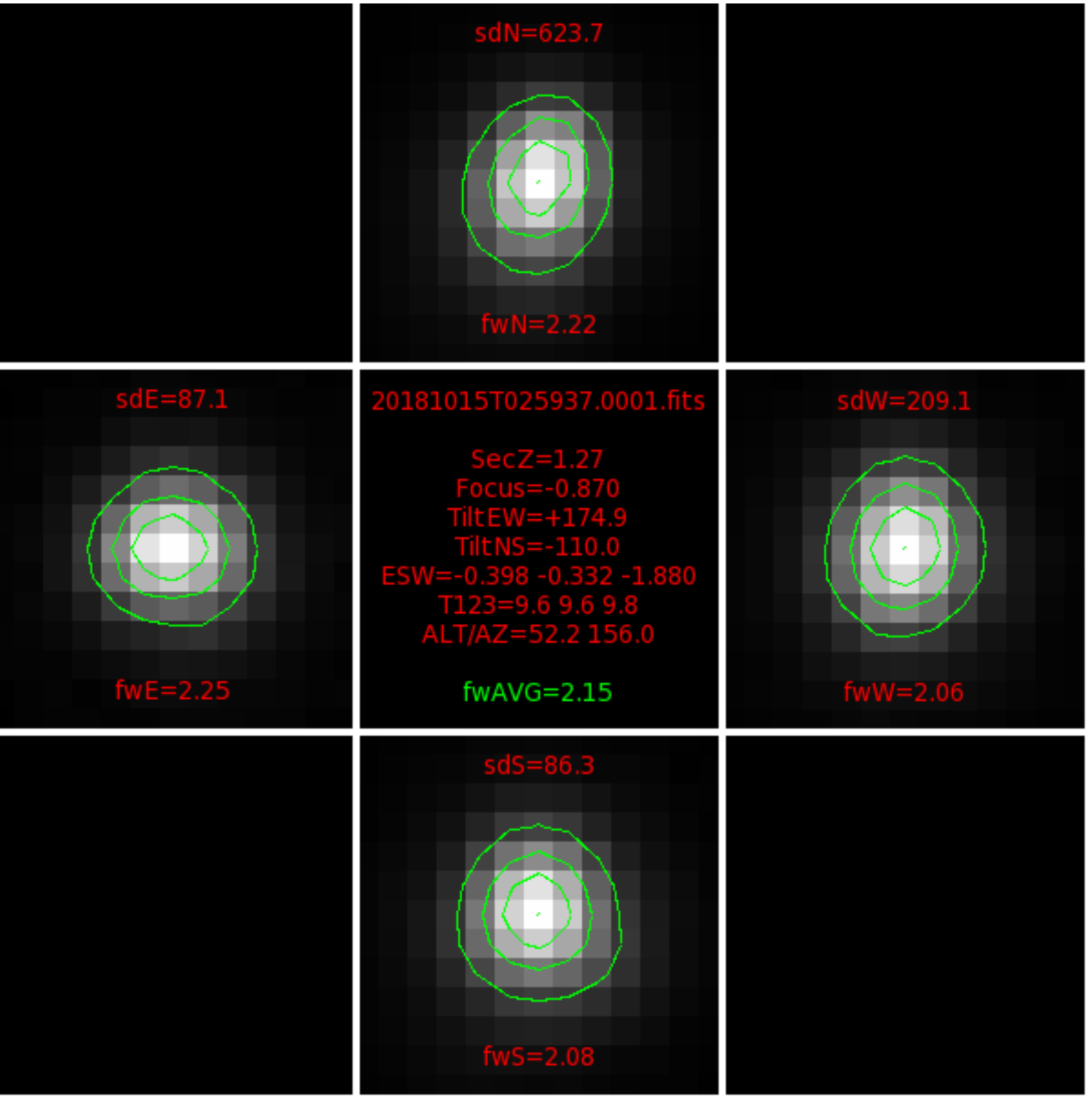

sdN=329.8
fwN=2.41
sdE=677.4
fwE=2.31
20181015T025806.0001.fits
SecZ=1.40
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.9
ALT/AZ=45.6 146.6
fwAVG=2.29
sdW=314.9
fwW=2.22
sdS=15.1
fwS=2.28
0 0 0 0 0 0 0 0 0


sdN=623.7
fwN=2.22
sdE=87.1
fwE=2.25
20181015T025937.0001.fits
SecZ=1.27
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.8
ALT/AZ=52.2 156.0
fwAVG=2.15
sdW=209.1
fwW=2.06
sdS=86.3
fwS=2.08
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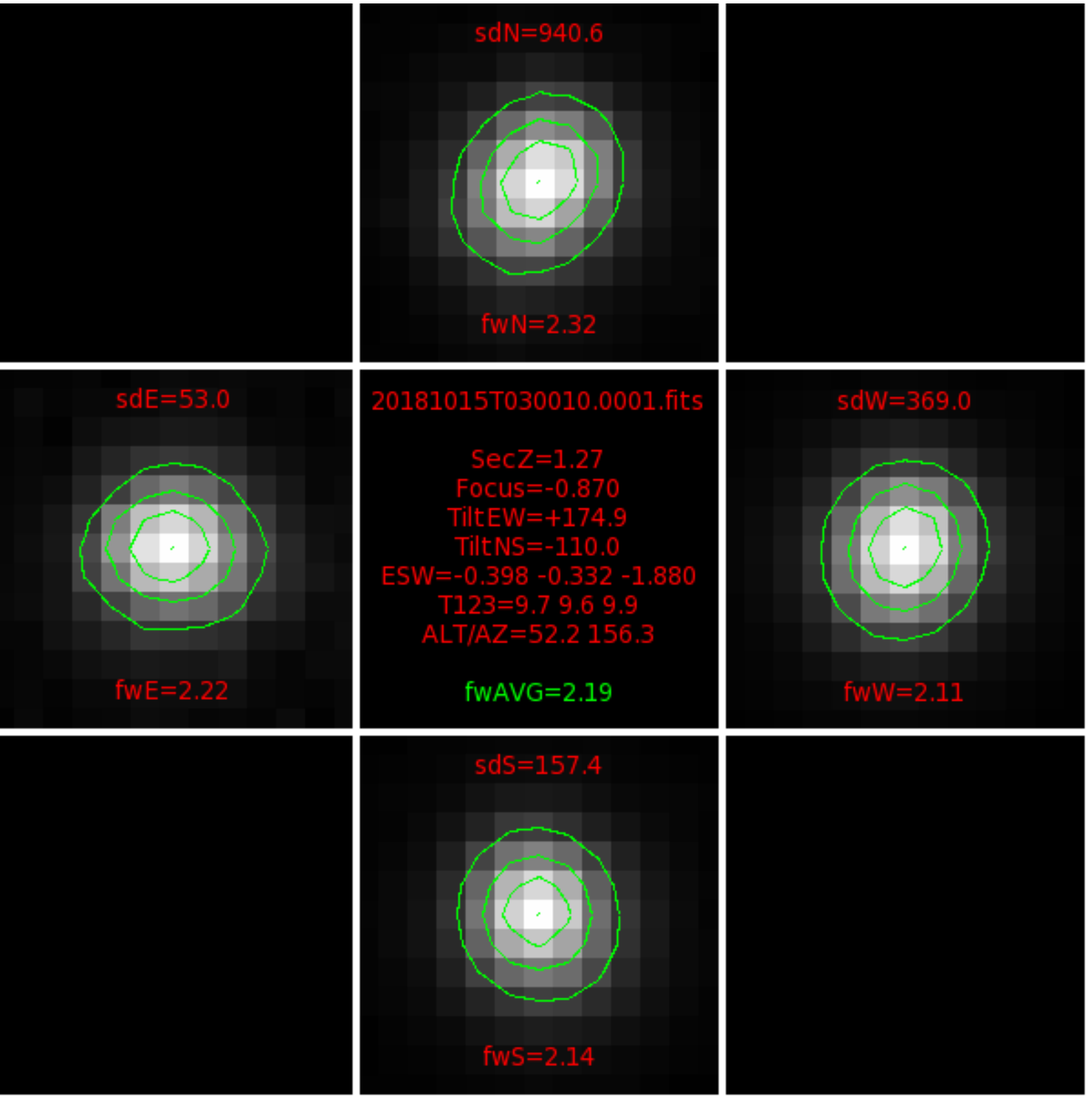
sdN=940.6
fwN=2.32
sdE=53.0
fwE=2.22
20181015T030010.0001.fits
SecZ=1.27
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.7 9.6 9.9
ALT/AZ=52.2 156.3
fwAVG=2.19
sdW=369.0
fwW=2.11
sdS=157.4
fwS=2.14
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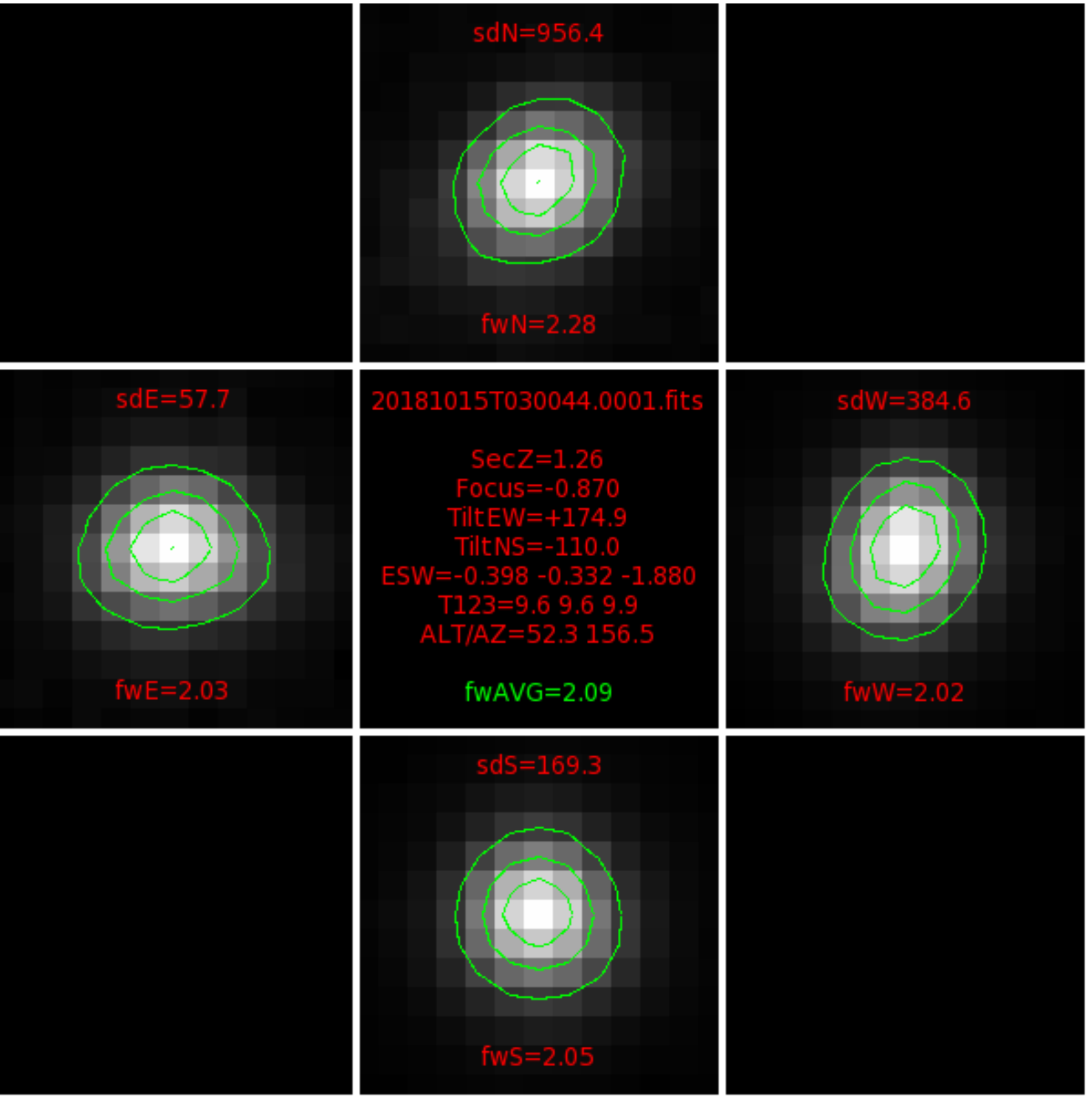
sdN=956.4
fwN=2.28
sdE=57.7
fwE=2.03
20181015T030044.0001.fits
SecZ=1.26
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.9
ALT/AZ=52.3 156.5
fwAVG=2.09
sdW=384.6
fwW=2.02
sdS=169.3
fwS=2.05
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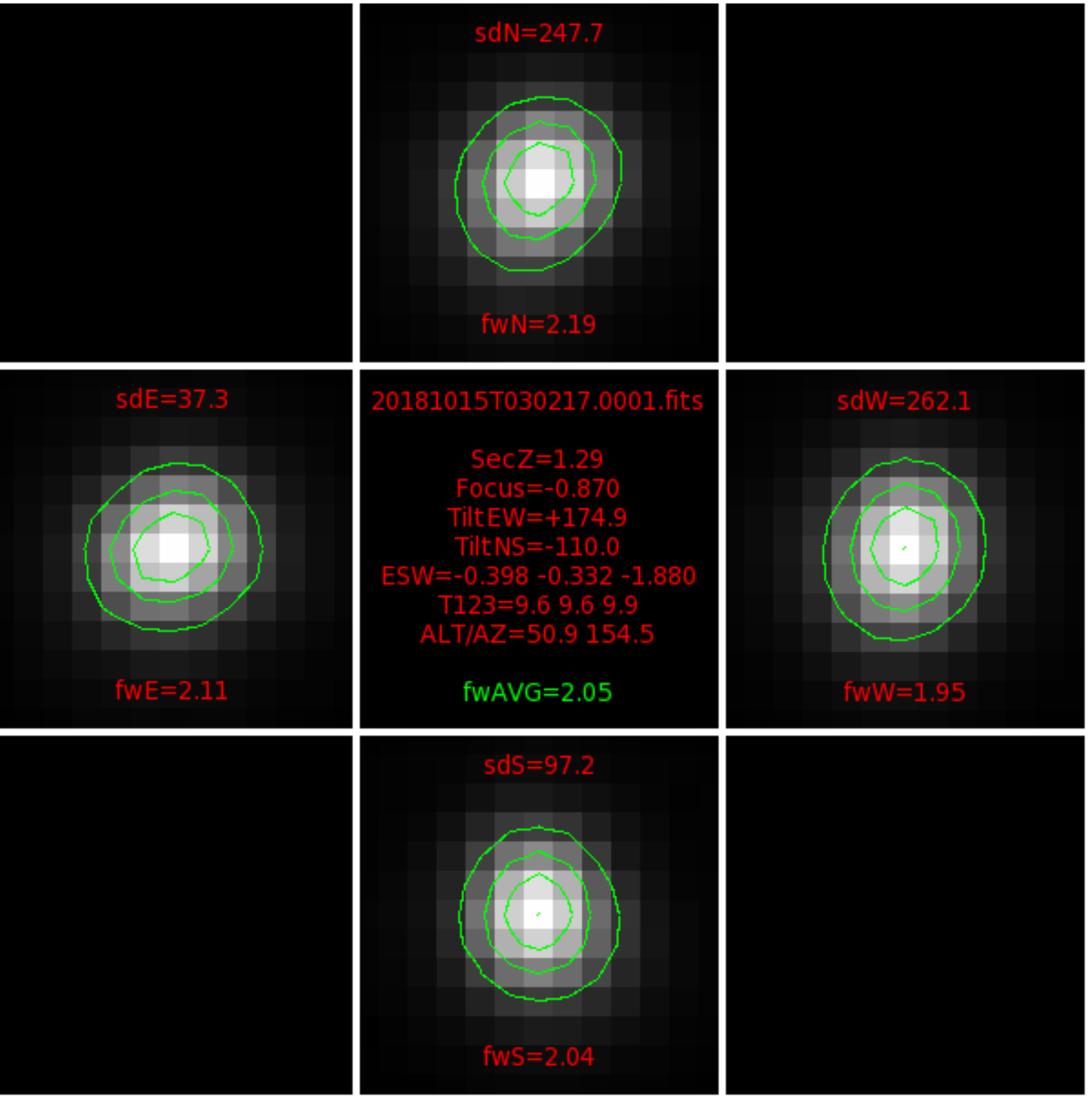
sdN=247.7
fwN=2.19
sdE=37.3
fwE=2.11
20181015T030217.0001.fits
SecZ=1.29
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.9
ALT/AZ=50.9 154.5
fwAVG=2.05
sdW=262.1
fwW=1.95
sdS=97.2
fwS=2.04
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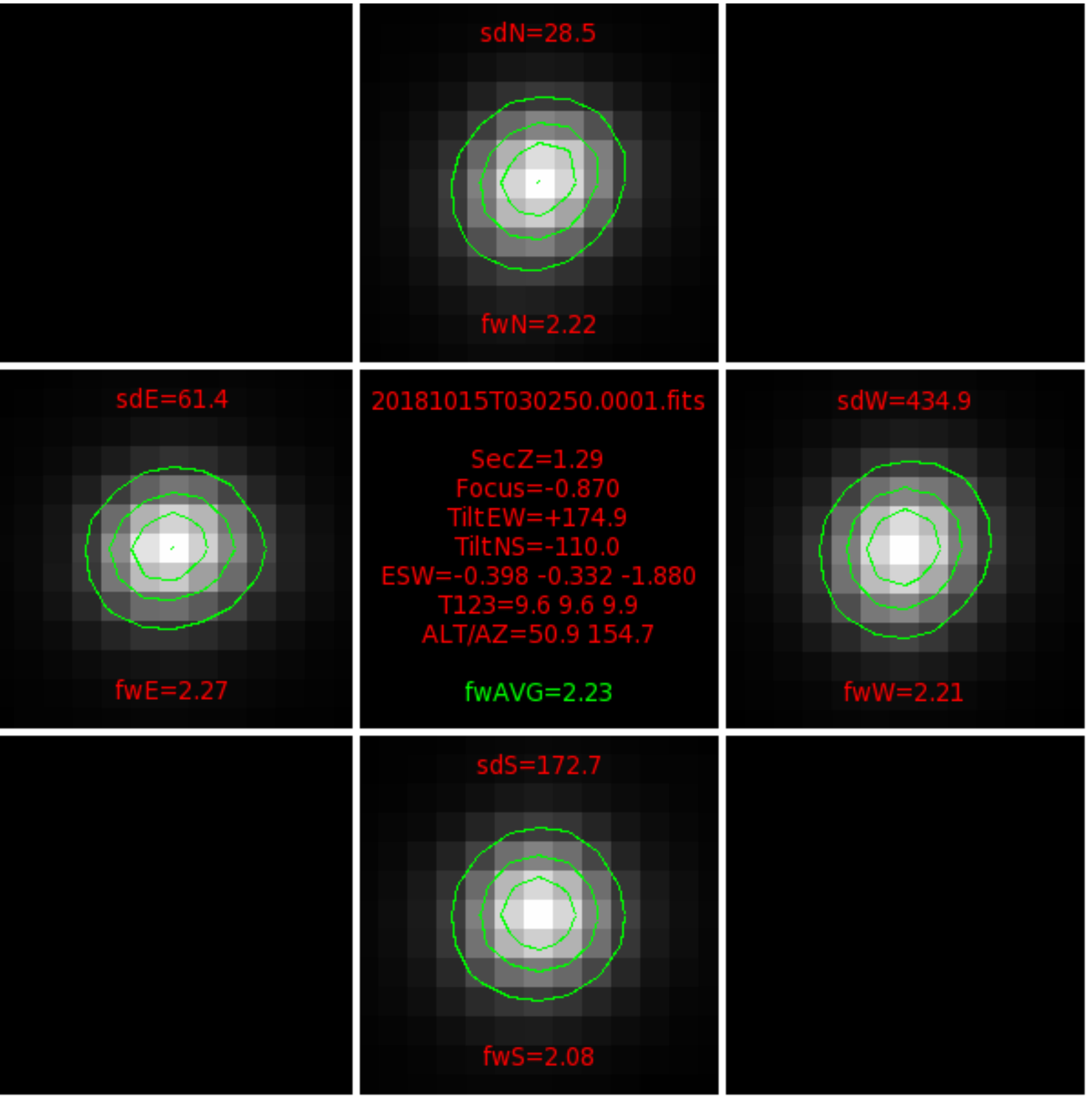
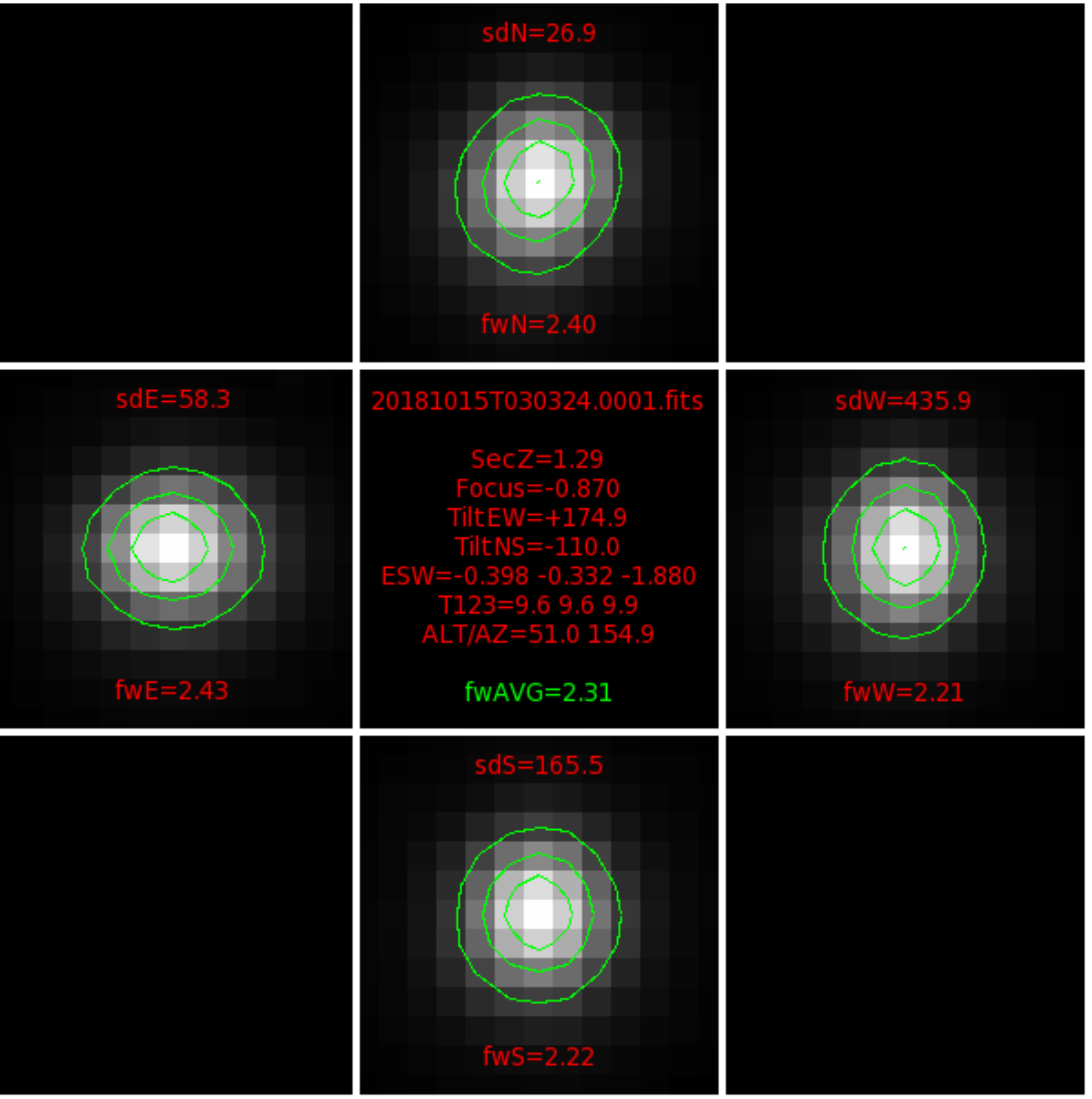

sdN=28.5
fwN=2.22
sdE=61.4
fwE=2.27
20181015T030250.0001.fits
SecZ=1.29
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.9
ALT/AZ=50.9 154.7
fwAVG=2.23
sdW=434.9
fwW=2.21
sdS=172.7
fwS=2.08
0 0 0 0 0 0 0 0 0


sdN=26.9
fwN=2.40
sdE=58.3
fwE=2.43
20181015T030324.0001.fits
SecZ=1.29
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.9
ALT/AZ=51.0 154.9
fwAVG=2.31
sdW=435.9
fwW=2.21
sdS=165.5
fwS=2.22
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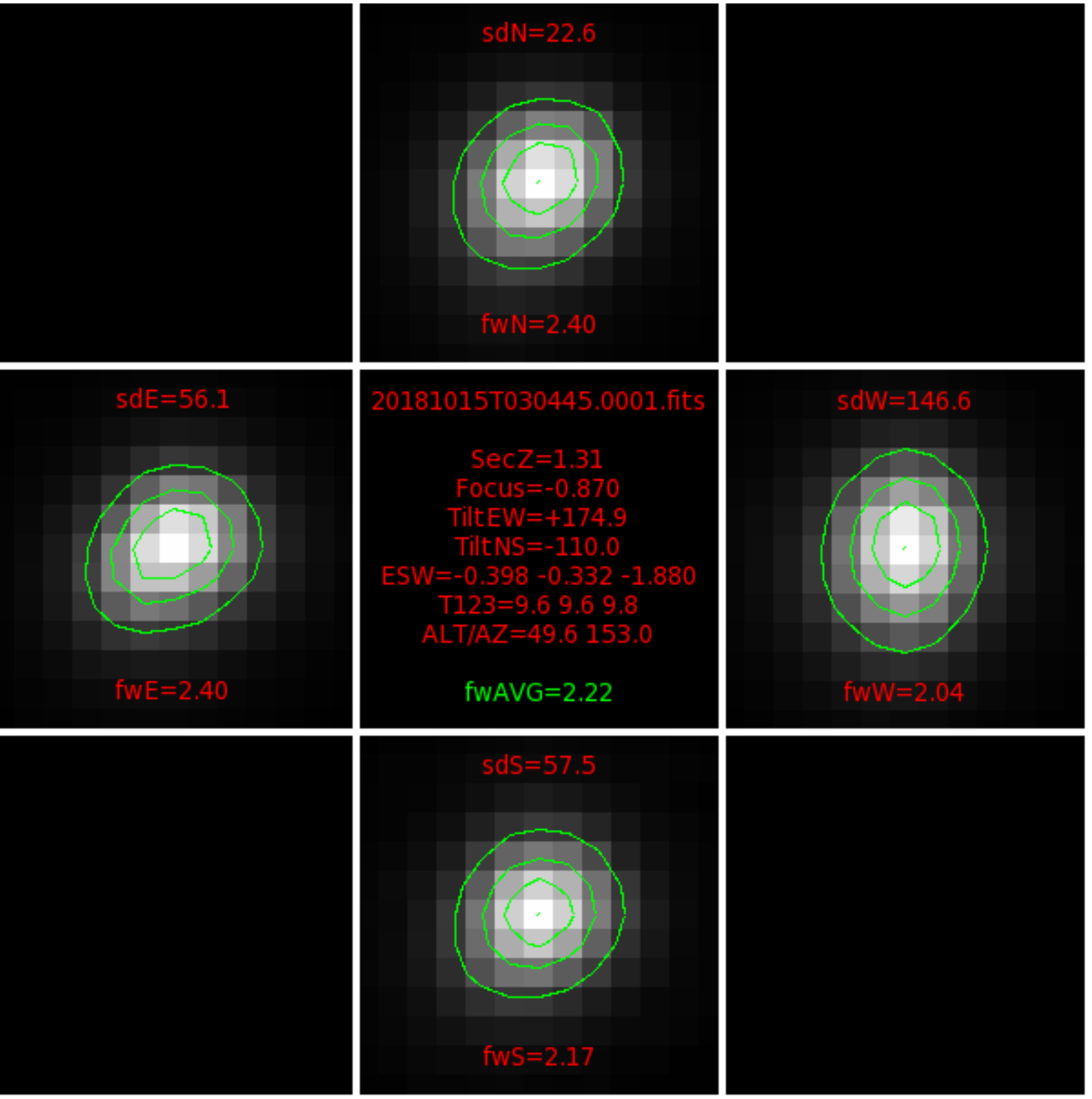
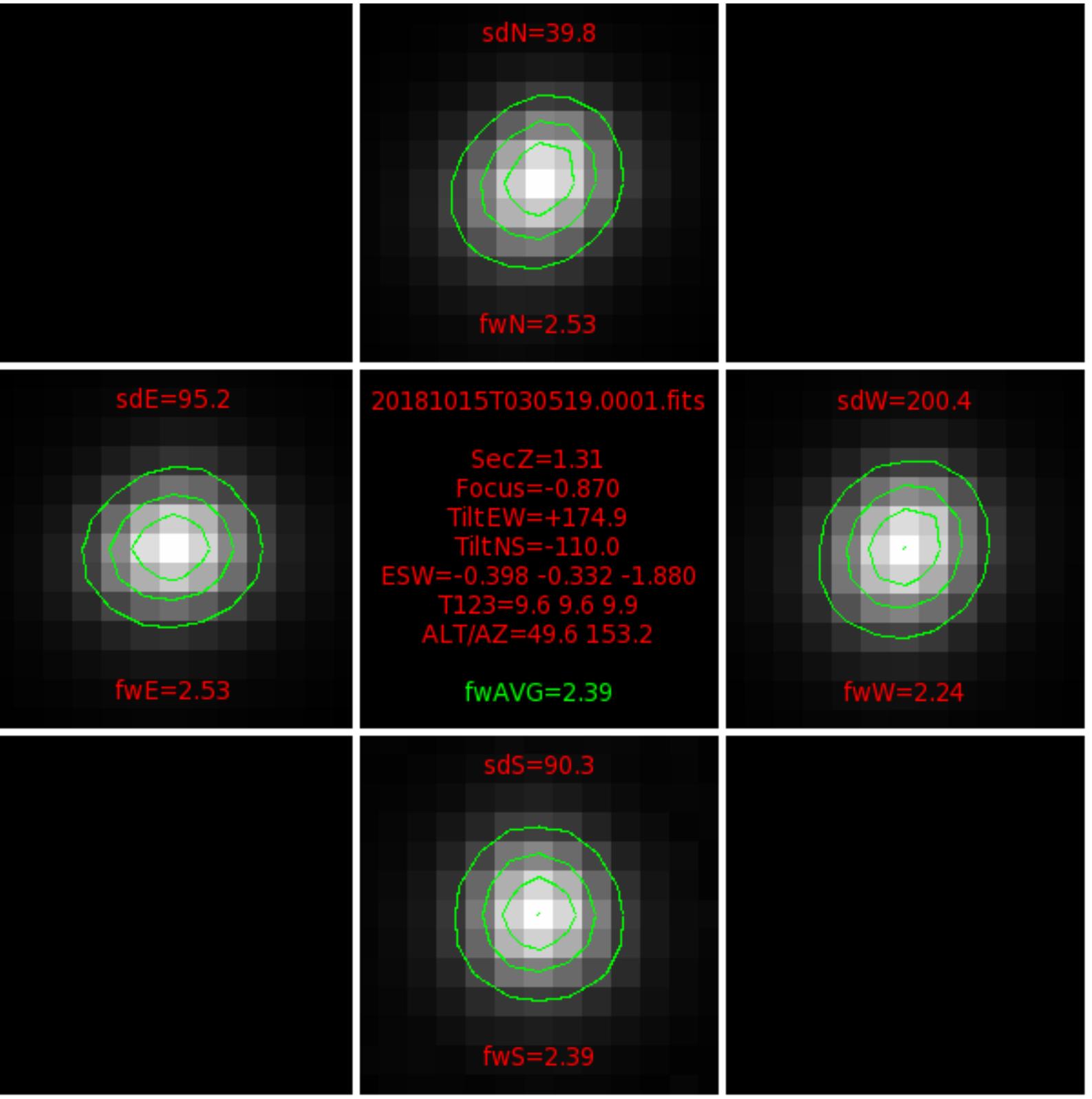

sdN=22.6
fwN=2.40
sdE=56.1
fwE=2.40
20181015T030445.0001.fits
SecZ=1.31
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.8
ALT/AZ=49.6 153.0
fwAVG=2.22
sdW=146.6
fwW=2.04
sdS=57.5
fwS=2.17
0 0 0 0 0 0 0 0 0


sdN=39.8
fwN=2.53
sdE=95.2
fwE=2.53
20181015T030519.0001.fits
SecZ=1.31
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.9
ALT/AZ=49.6 153.2
fwAVG=2.39
sdW=200.4
fwW=2.24
sdS=90.3
fwS=2.39
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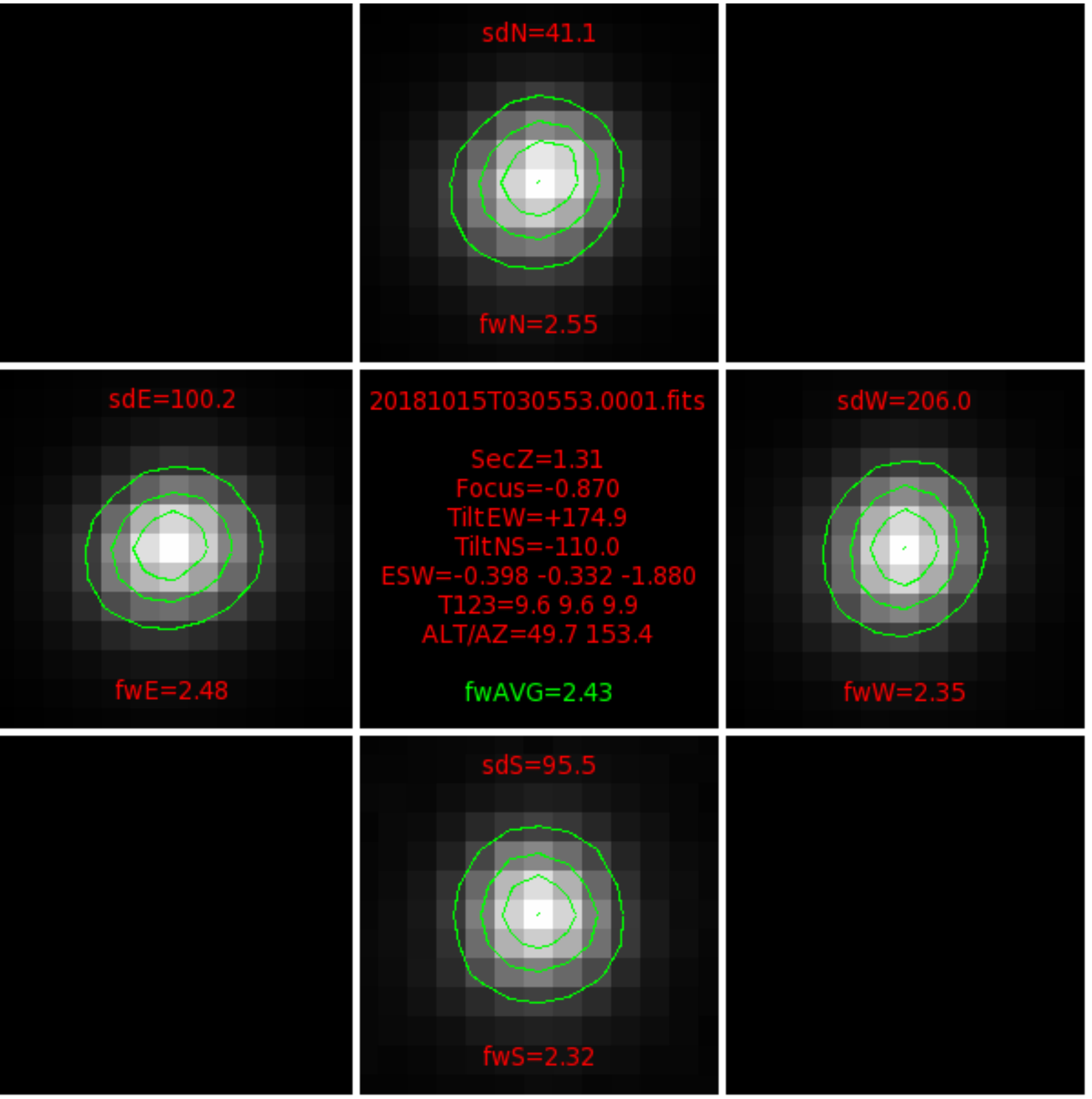
sdN=41.1
fwN=2.55
sdE=100.2
fwE=2.48
20181015T030553.0001.fits
SecZ=1.31
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.9
ALT/AZ=49.7 153.4
fwAVG=2.43
sdW=206.0
fwW=2.35
sdS=95.5
fwS=2.32
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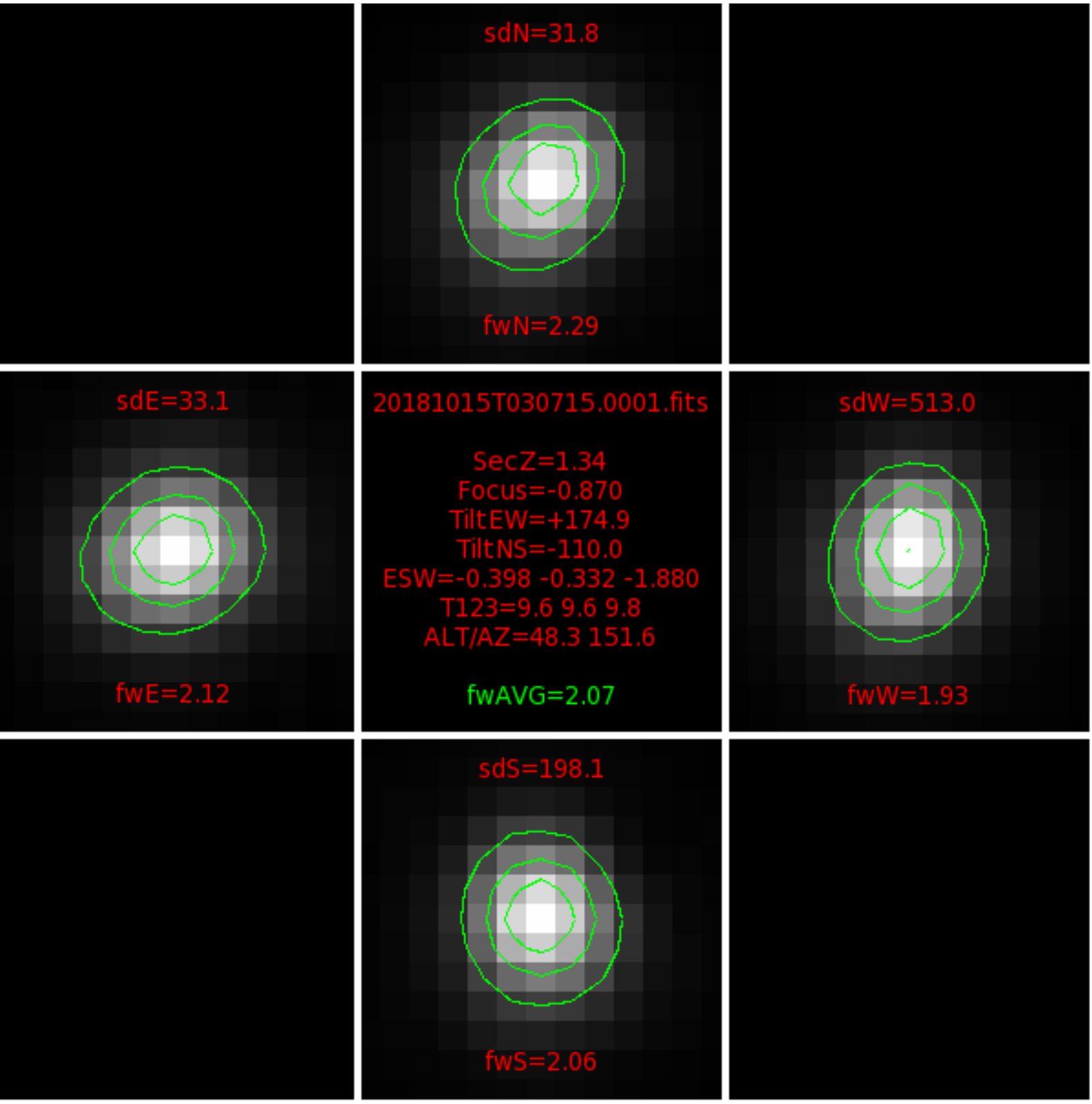
sdN=31.8
fwN=2.29
sdE=33.1
fwE=2.12
20181015T030715.0001.fits
SecZ=1.34
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.8
ALT/AZ=48.3 151.6
fwAVG=2.07
sdW=513.0
fwW=1.93
sdS=198.1
fwS=2.06
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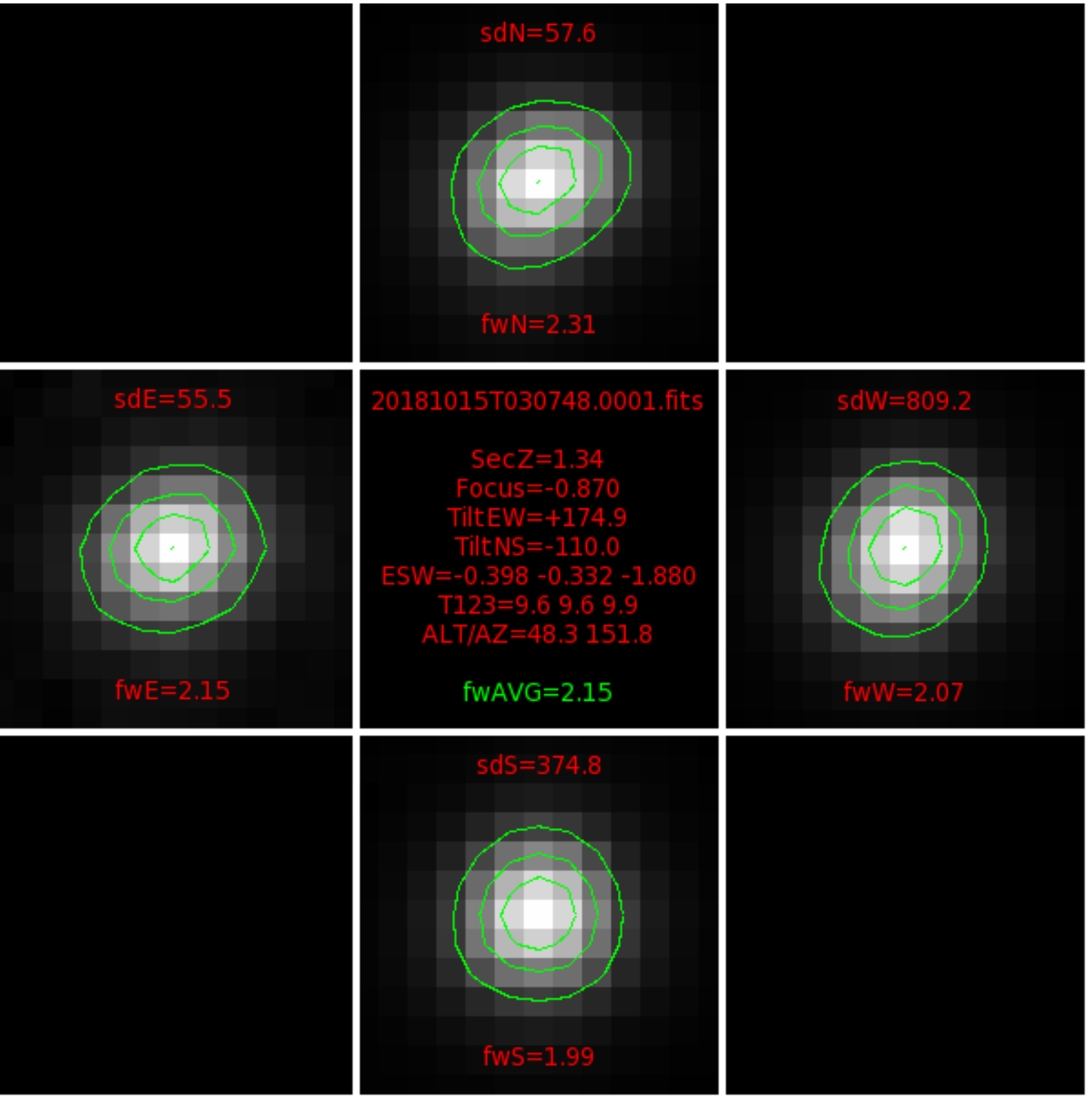
sdN=57.6
fwN=2.31
sdE=55.5
fwE=2.15
20181015T030748.0001.fits
SecZ=1.34
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.9
ALT/AZ=48.3 151.8
fwAVG=2.15
sdW=809.2
fwW=2.07
sdS=374.8
fwS=1.99
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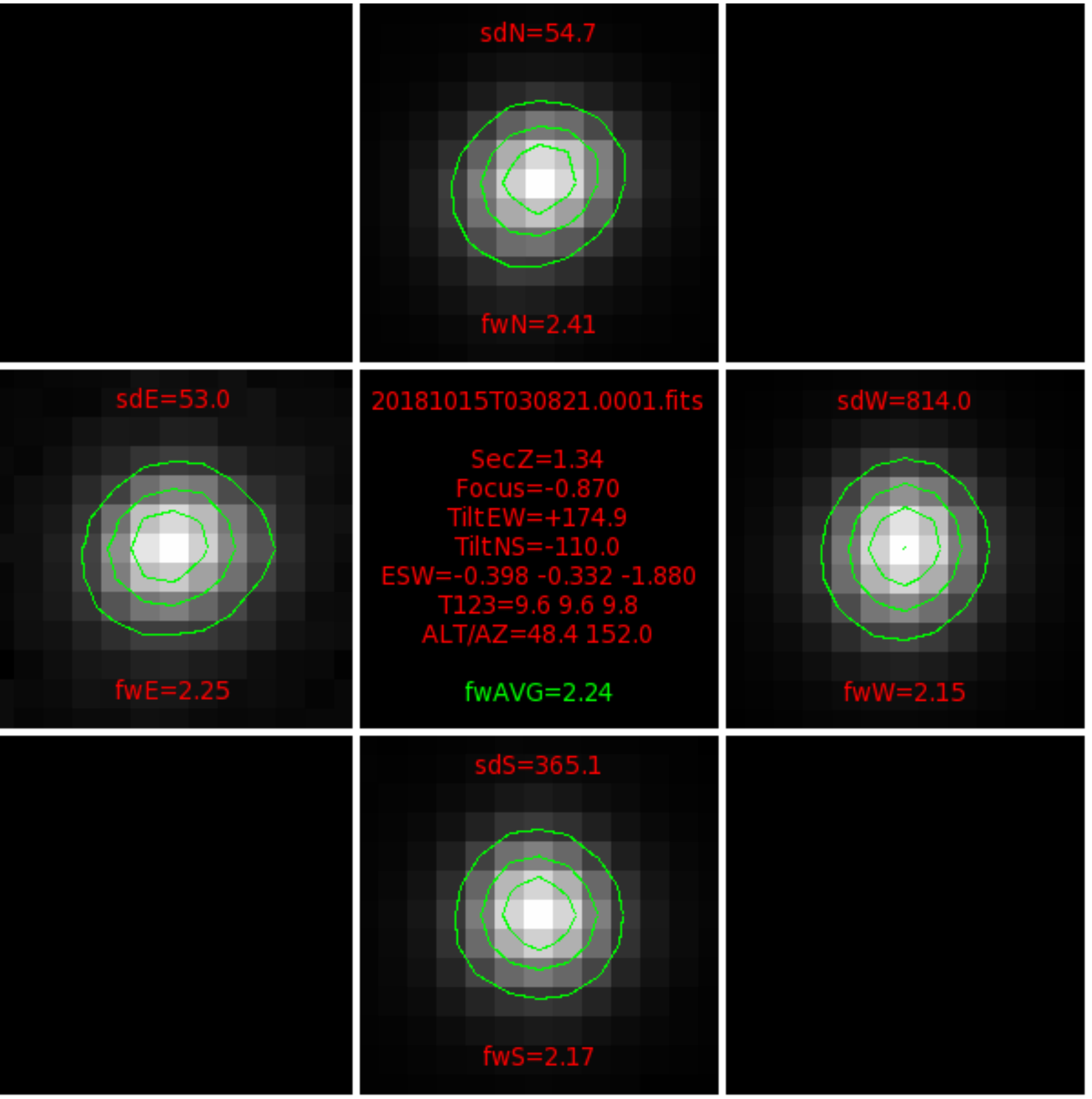
sdN=54.7
fwN=2.41
sdE=53.0
fwE=2.25
20181015T030821.0001.fits
SecZ=1.34
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.8
ALT/AZ=48.4 152.0
fwAVG=2.24
sdW=814.0
fwW=2.15
sdS=365.1
fwS=2.17
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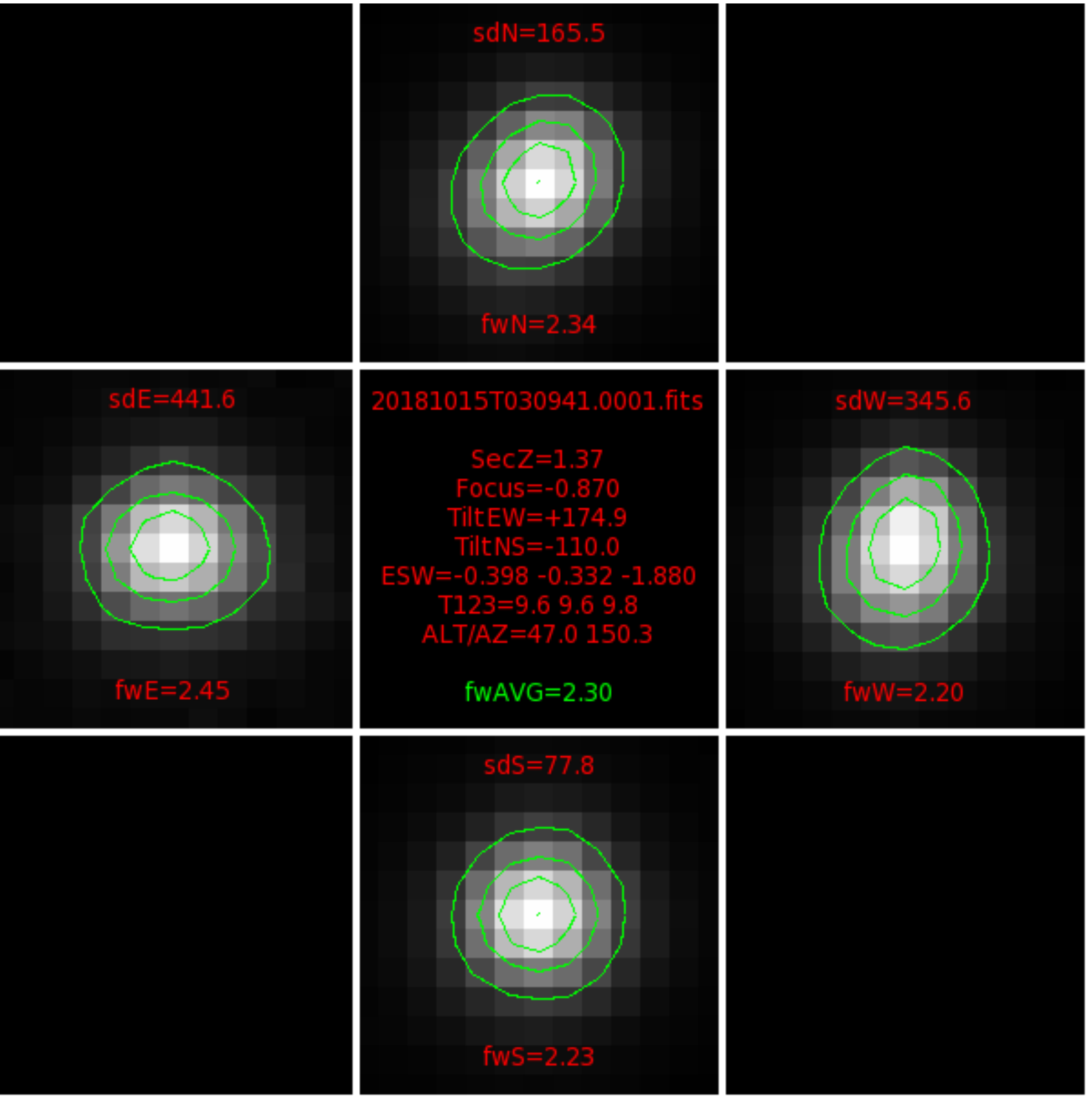
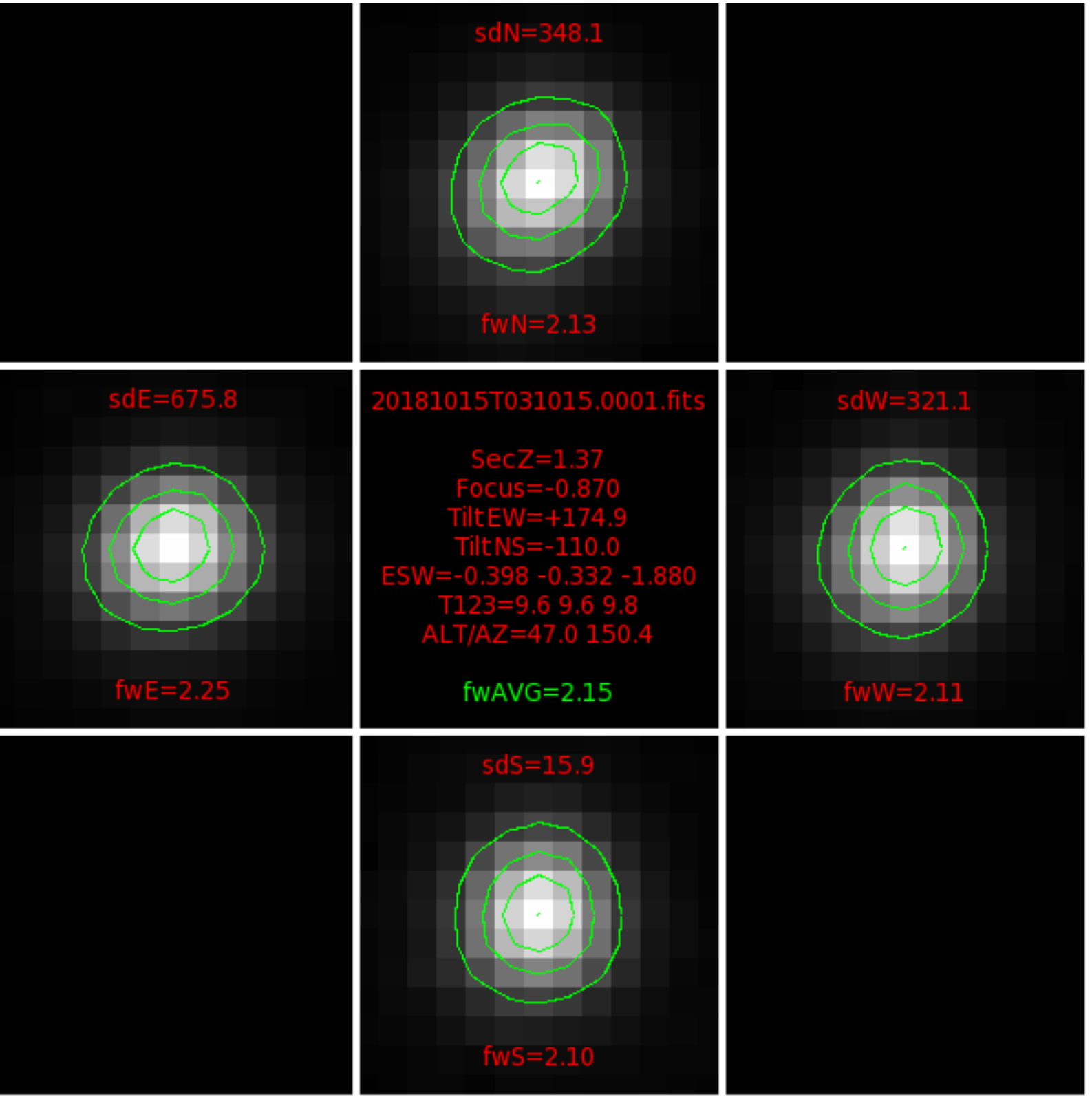
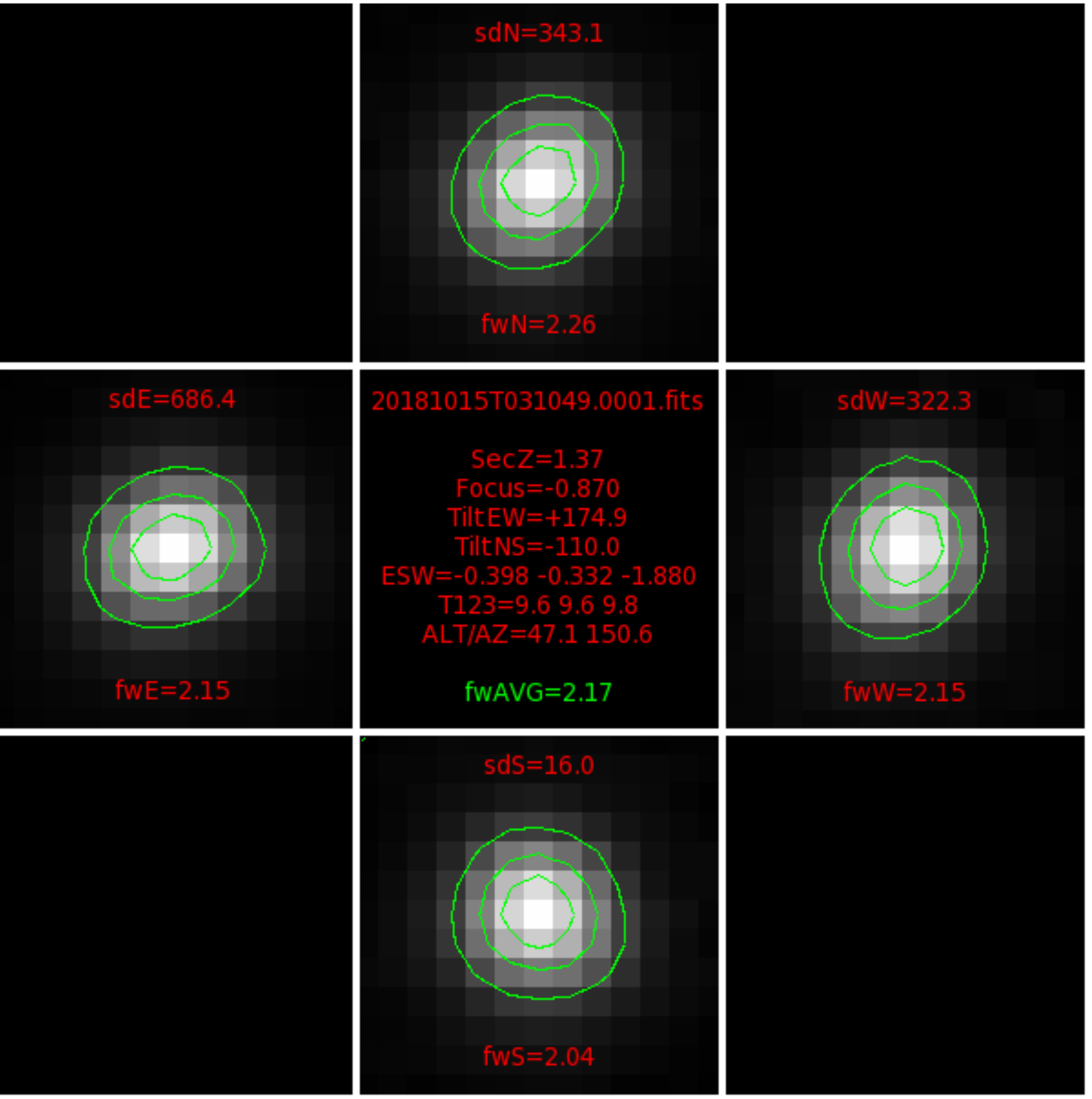
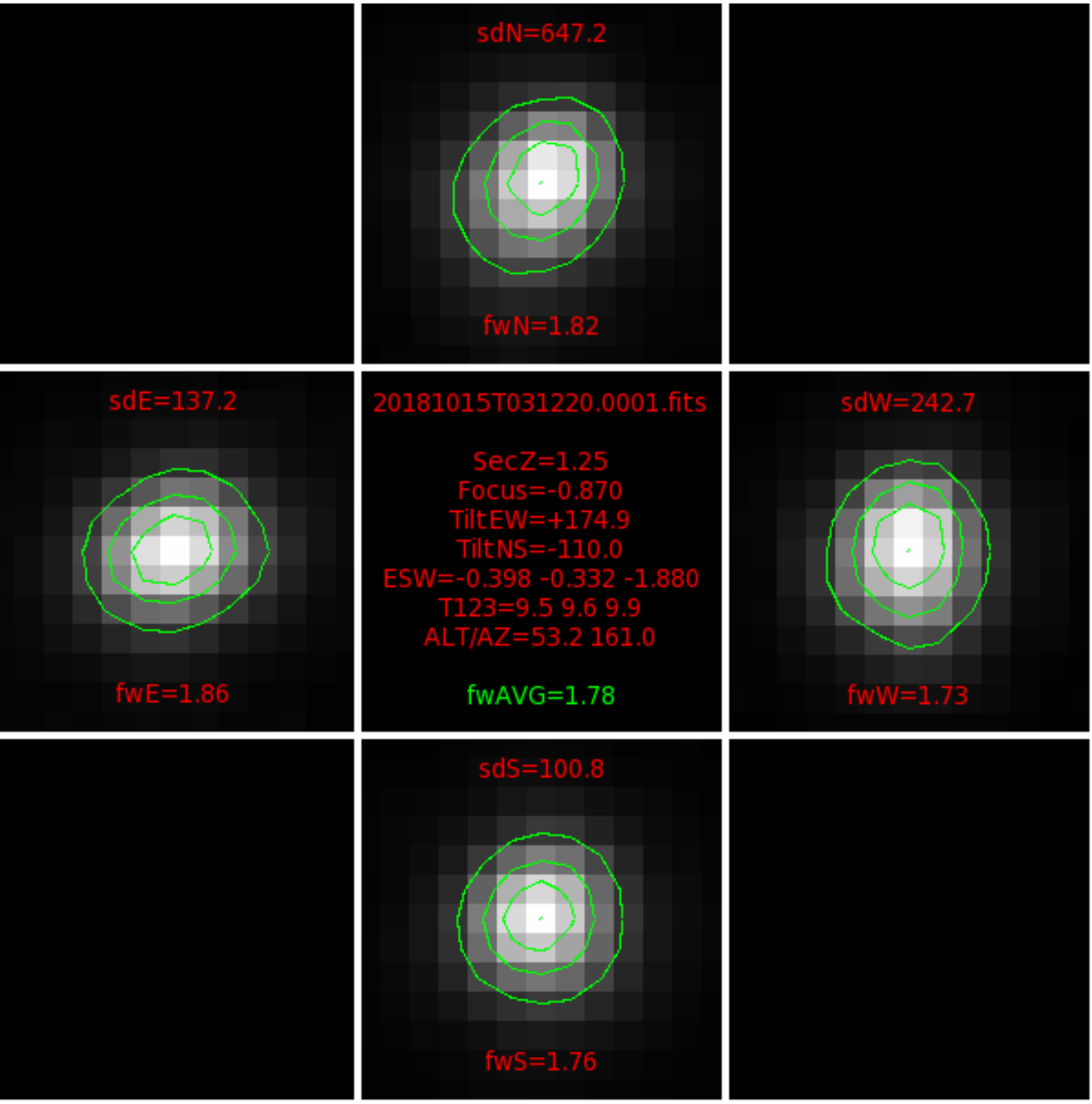

sdN=165.5
fwN=2.34
sdE=441.6
fwE=2.45
20181015T030941.0001.fits
SecZ=1.37
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.8
ALT/AZ=47.0 150.3
fwAVG=2.30
sdW=345.6
fwW=2.20
sdS=77.8
fwS=2.23
0 0 0 0 0 0 0 0 0


sdN=348.1
fwN=2.13
sdE=675.8
fwE=2.25
20181015T031015.0001.fits
SecZ=1.37
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.8
ALT/AZ=47.0 150.4
fwAVG=2.15
sdW=321.1
fwW=2.11
sdS=15.9
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=343.1
fwN=2.26
sdE=686.4
fwE=2.15
20181015T031049.0001.fits
SecZ=1.37
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.8
ALT/AZ=47.1 150.6
fwAVG=2.17
sdW=322.3
fwW=2.15
sdS=16.0
fwS=2.04
0 0 0 0 0 0 0 0 0


sdN=647.2
fwN=1.82
sdE=137.2
fwE=1.86
20181015T031220.0001.fits
SecZ=1.25
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.6 9.9
ALT/AZ=53.2 161.0
fwAVG=1.78
sdW=242.7
fwW=1.73
sdS=100.8
fwS=1.76
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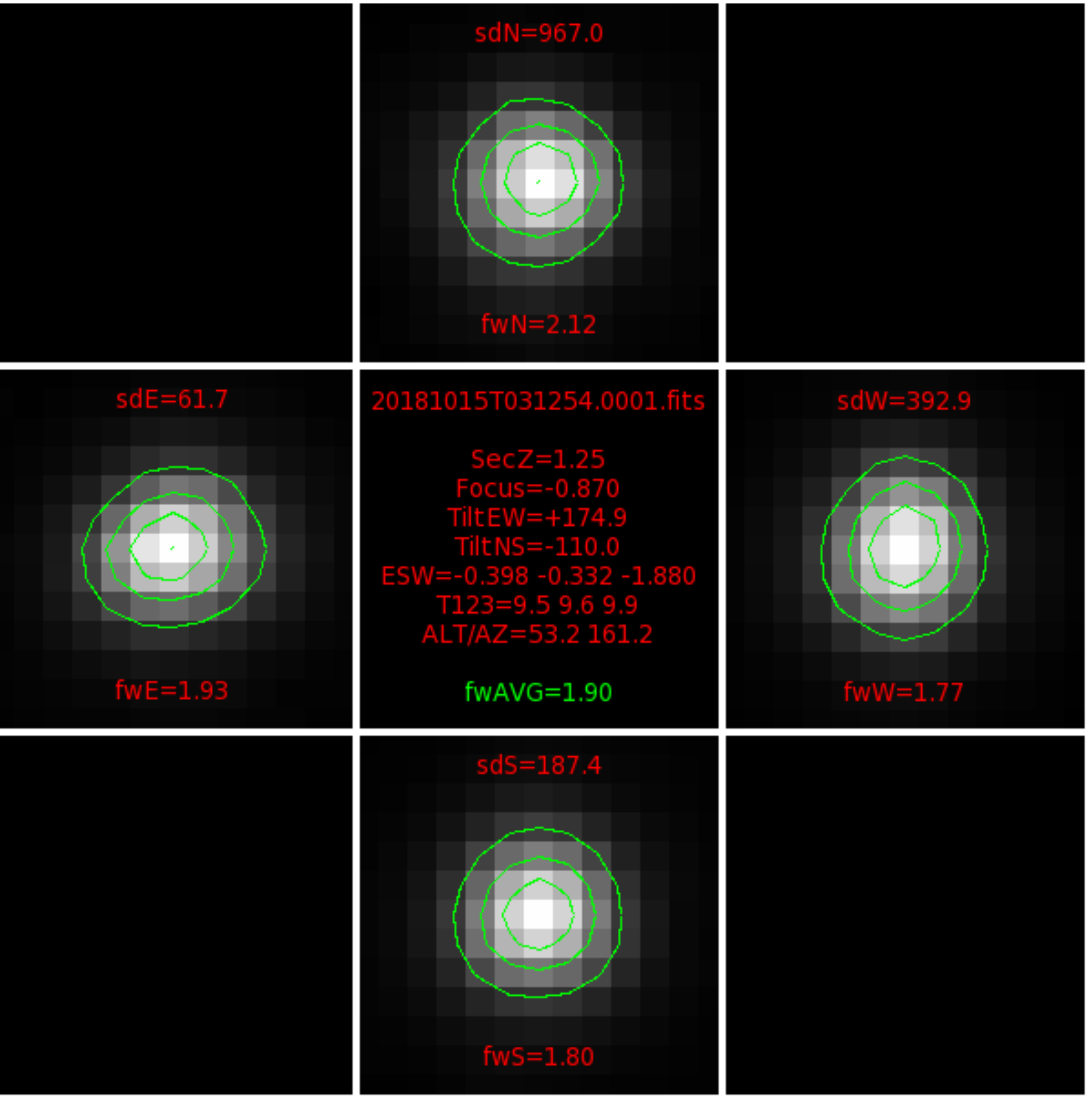
sdN=967.0
fwN=2.12
sdE=61.7
fwE=1.93
20181015T031254.0001.fits
SecZ=1.25
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.6 9.9
ALT/AZ=53.2 161.2
fwAVG=1.90
sdW=392.9
fwW=1.77
sdS=187.4
fwS=1.80
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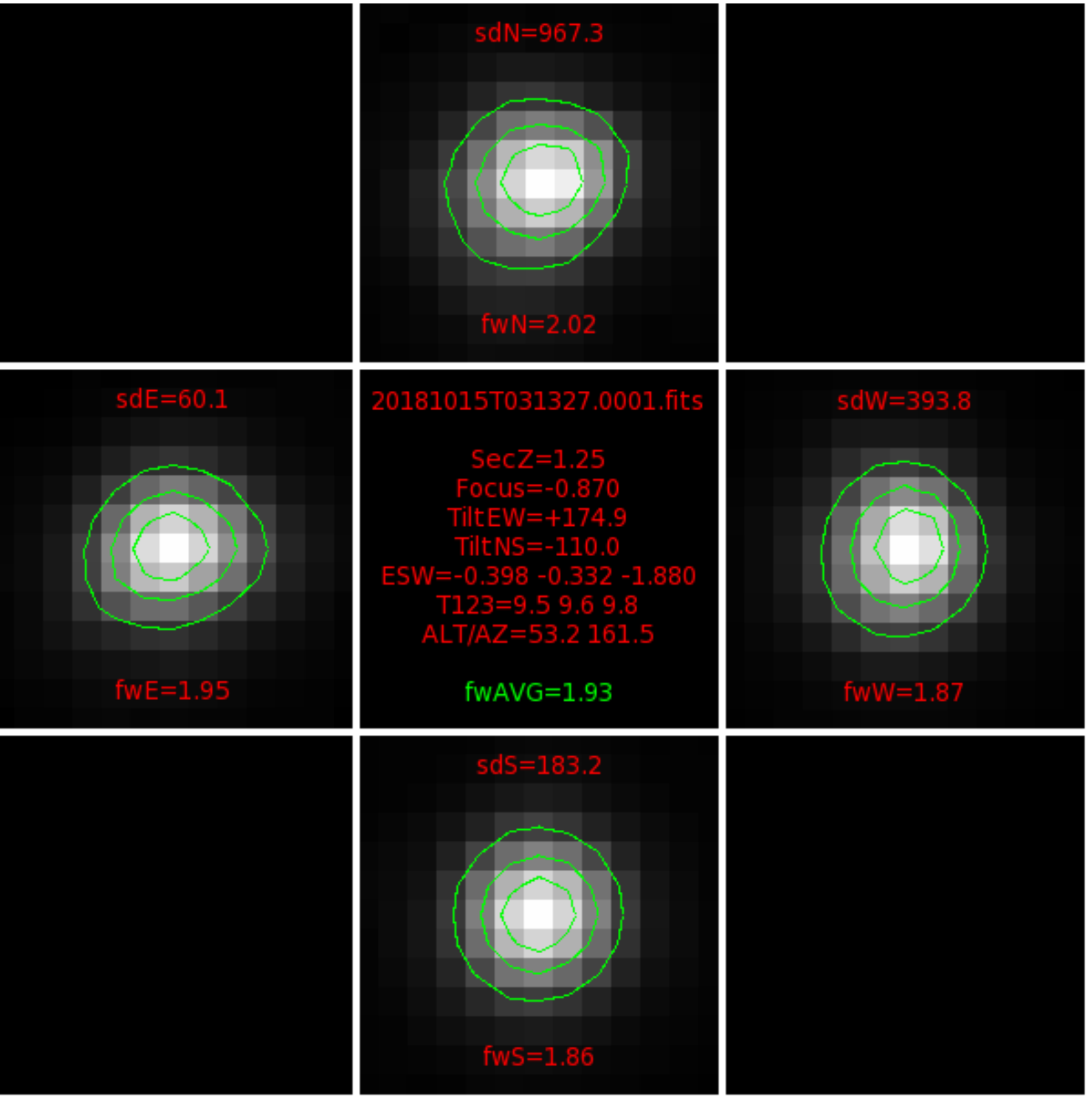
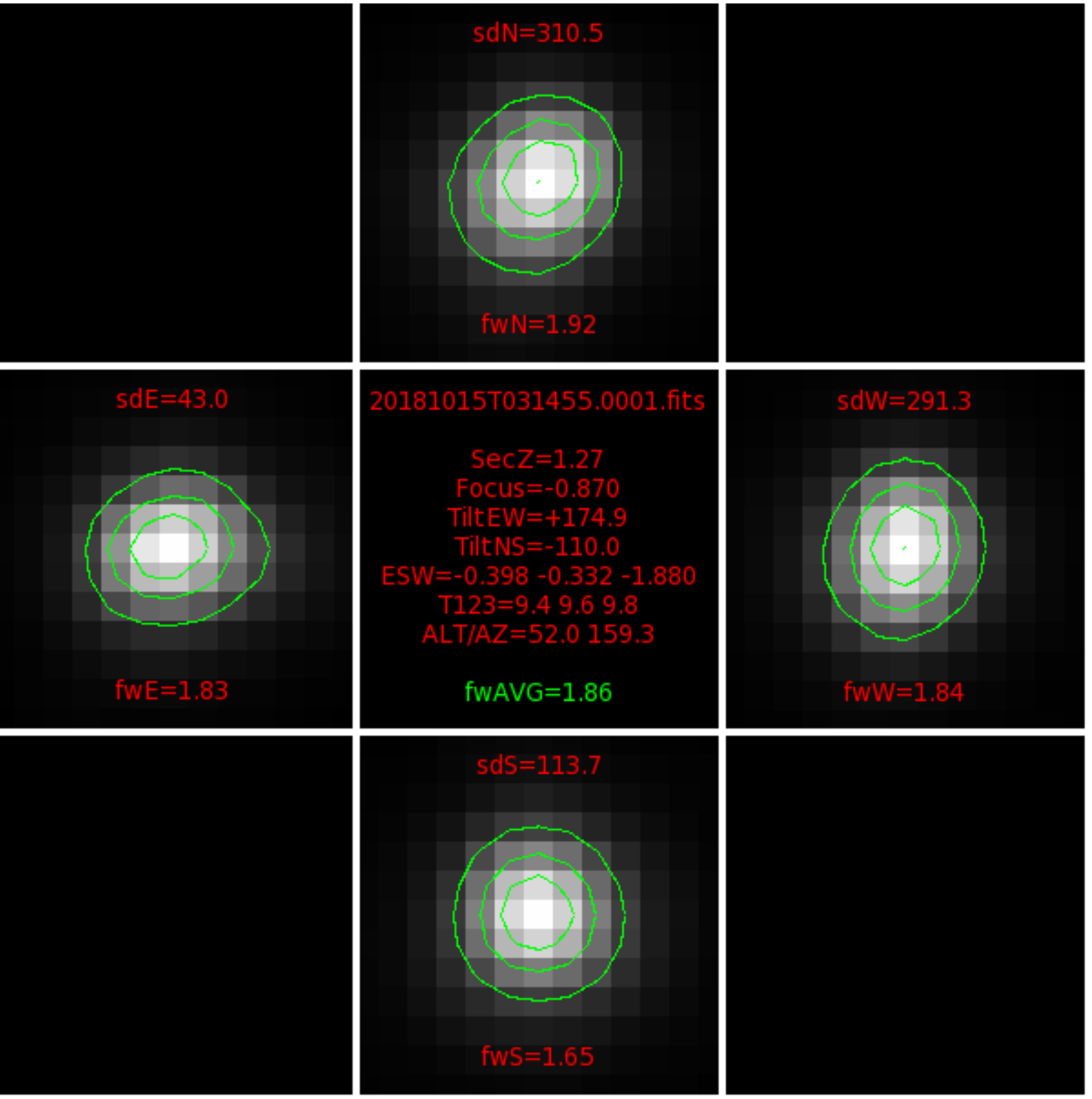
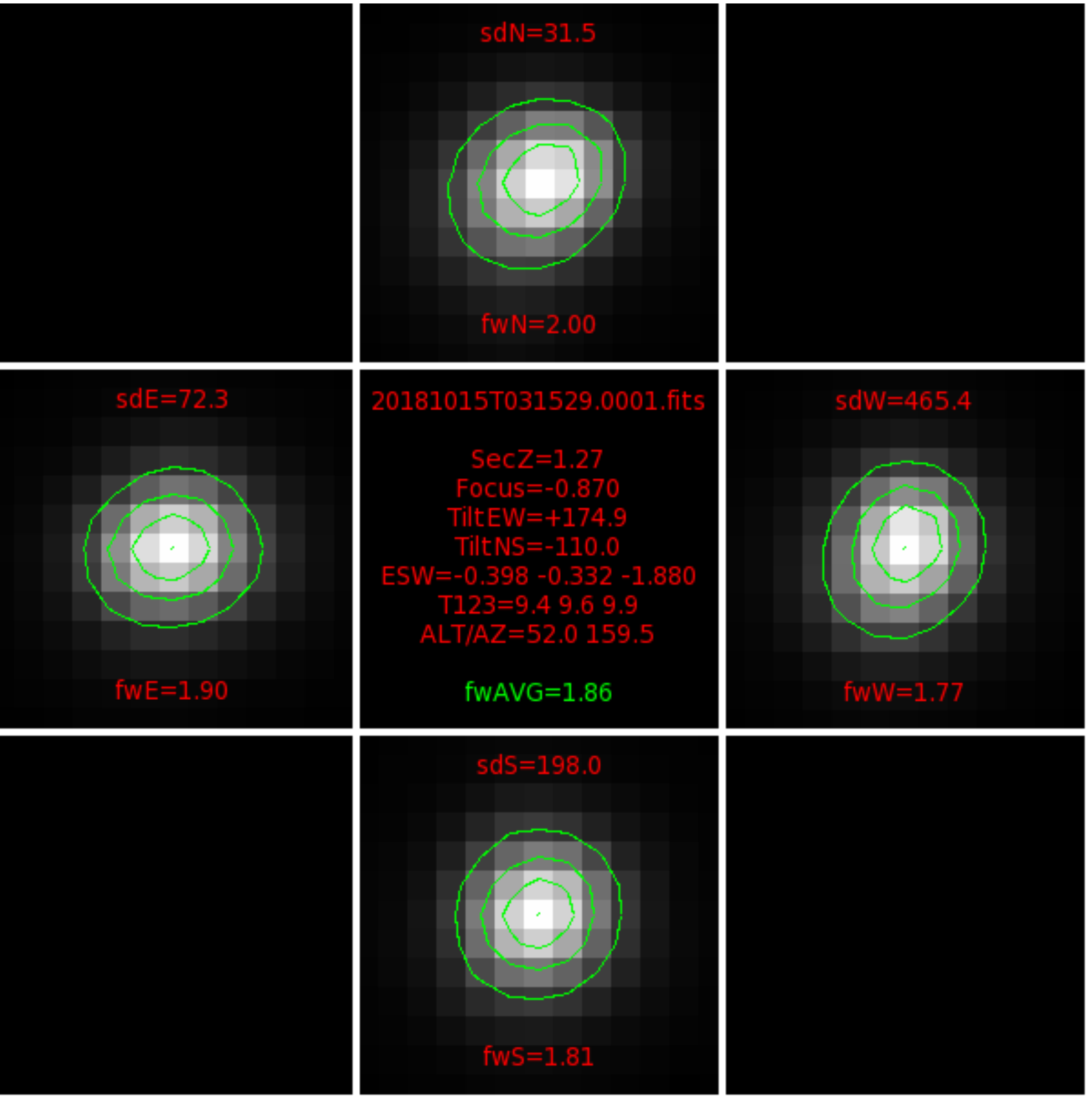

sdN=967.3
fwN=2.02
sdE=60.1
fwE=1.95
20181015T031327.0001.fits
SecZ=1.25
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.6 9.8
ALT/AZ=53.2 161.5
fwAVG=1.93
sdW=393.8
fwW=1.87
sdS=183.2
fwS=1.86
0 0 0 0 0 0 0 0 0


sdN=310.5
fwN=1.92
sdE=43.0
fwE=1.83
20181015T031455.0001.fits
SecZ=1.27
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.4 9.6 9.8
ALT/AZ=52.0 159.3
fwAVG=1.86
sdW=291.3
fwW=1.84
sdS=113.7
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=31.5
fwN=2.00
sdE=72.3
fwE=1.90
20181015T031529.0001.fits
SecZ=1.27
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.4 9.6 9.9
ALT/AZ=52.0 159.5
fwAVG=1.86
sdW=465.4
fwW=1.77
sdS=198.0
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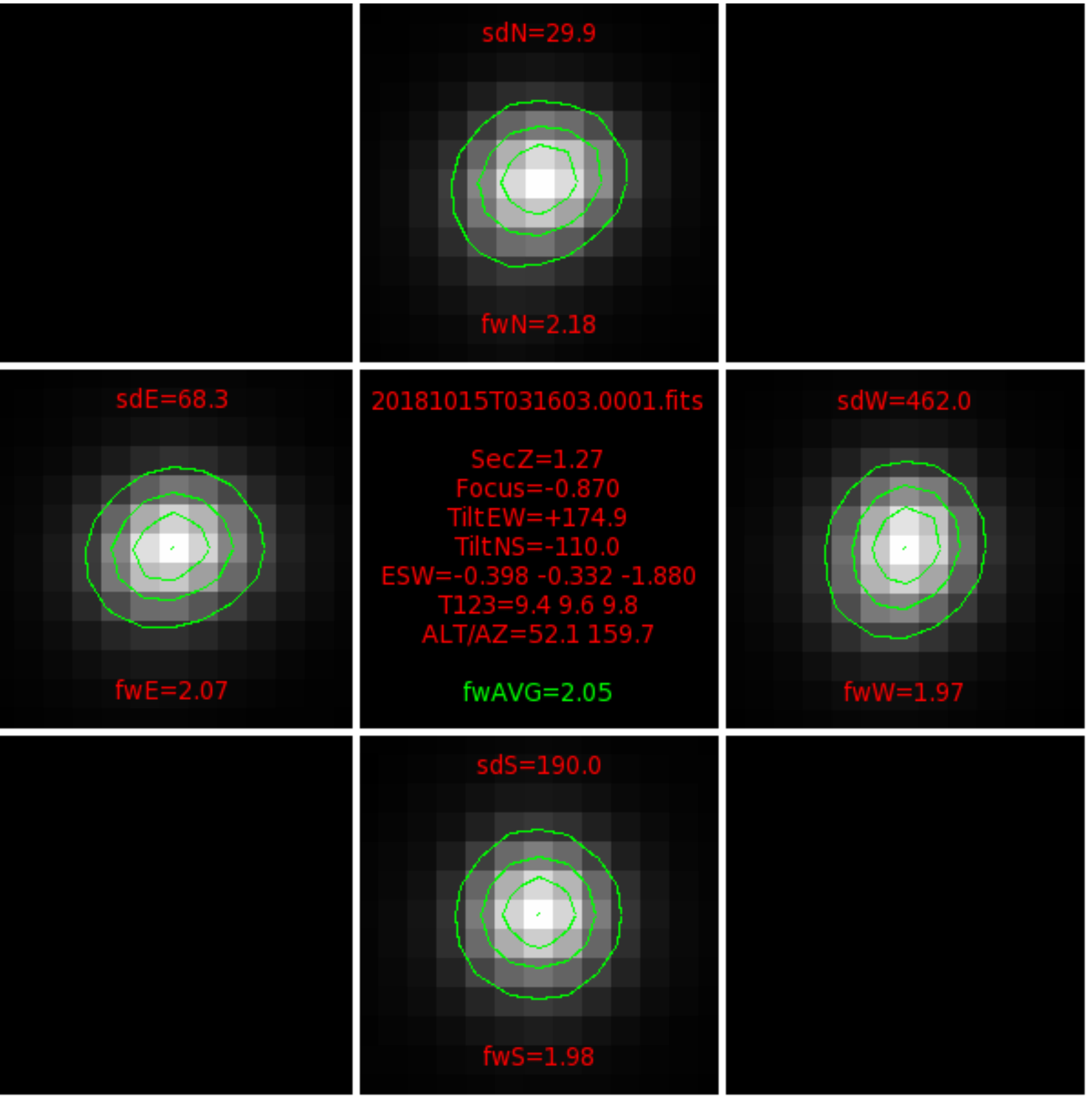
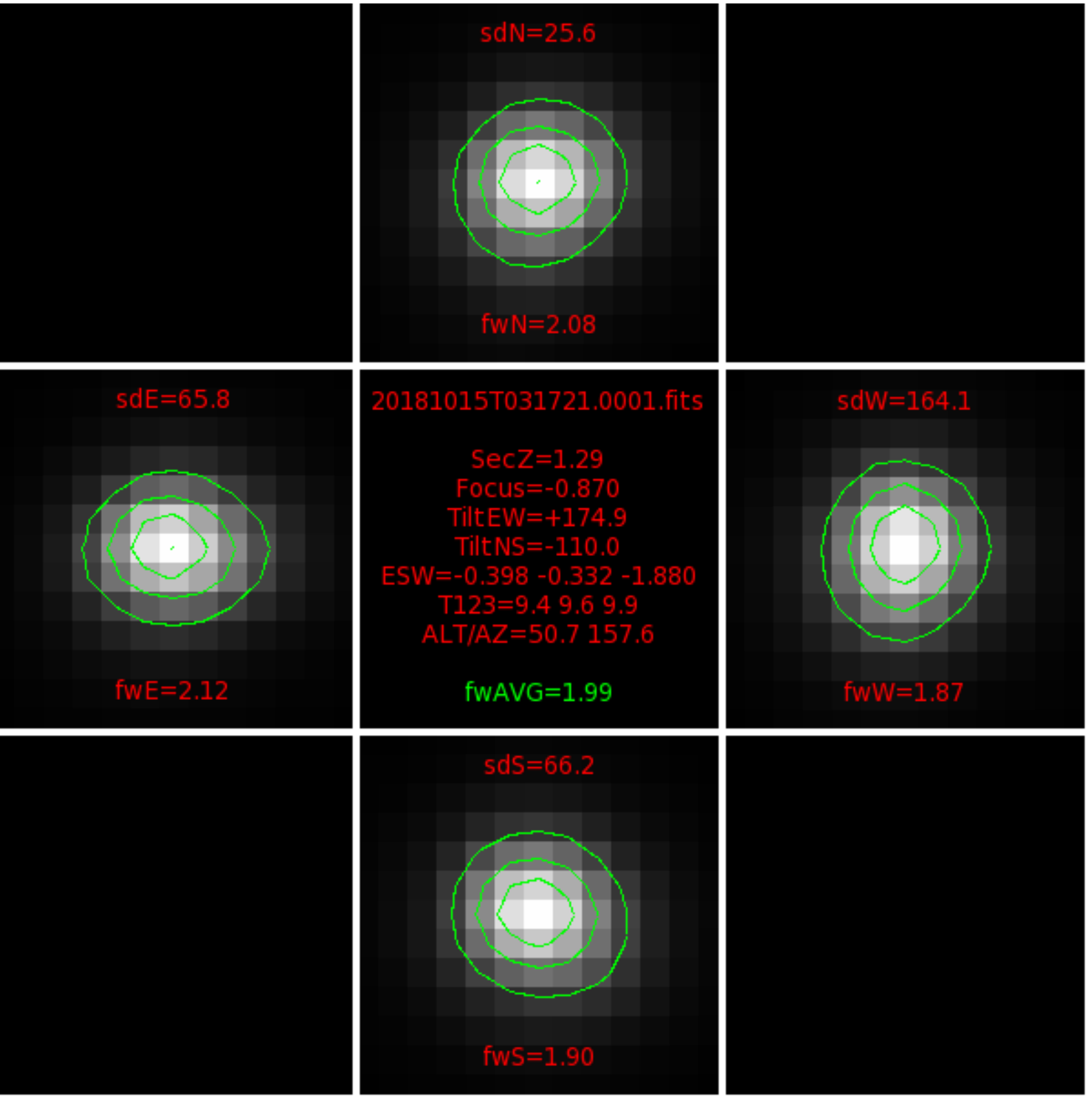

sdN=29.9
fwN=2.18
sdE=68.3
fwE=2.07
20181015T031603.0001.fits
SecZ=1.27
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.4 9.6 9.8
ALT/AZ=52.1 159.7
fwAVG=2.05
sdW=462.0
fwW=1.97
sdS=190.0
fwS=1.98
0 0 0 0 0 0 0 0 0


sdN=25.6
fwN=2.08
sdE=65.8
fwE=2.12
20181015T031721.0001.fits
SecZ=1.29
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.4 9.6 9.9
ALT/AZ=50.7 157.6
fwAVG=1.99
sdW=164.1
fwW=1.87
sdS=66.2
fwS=1.90
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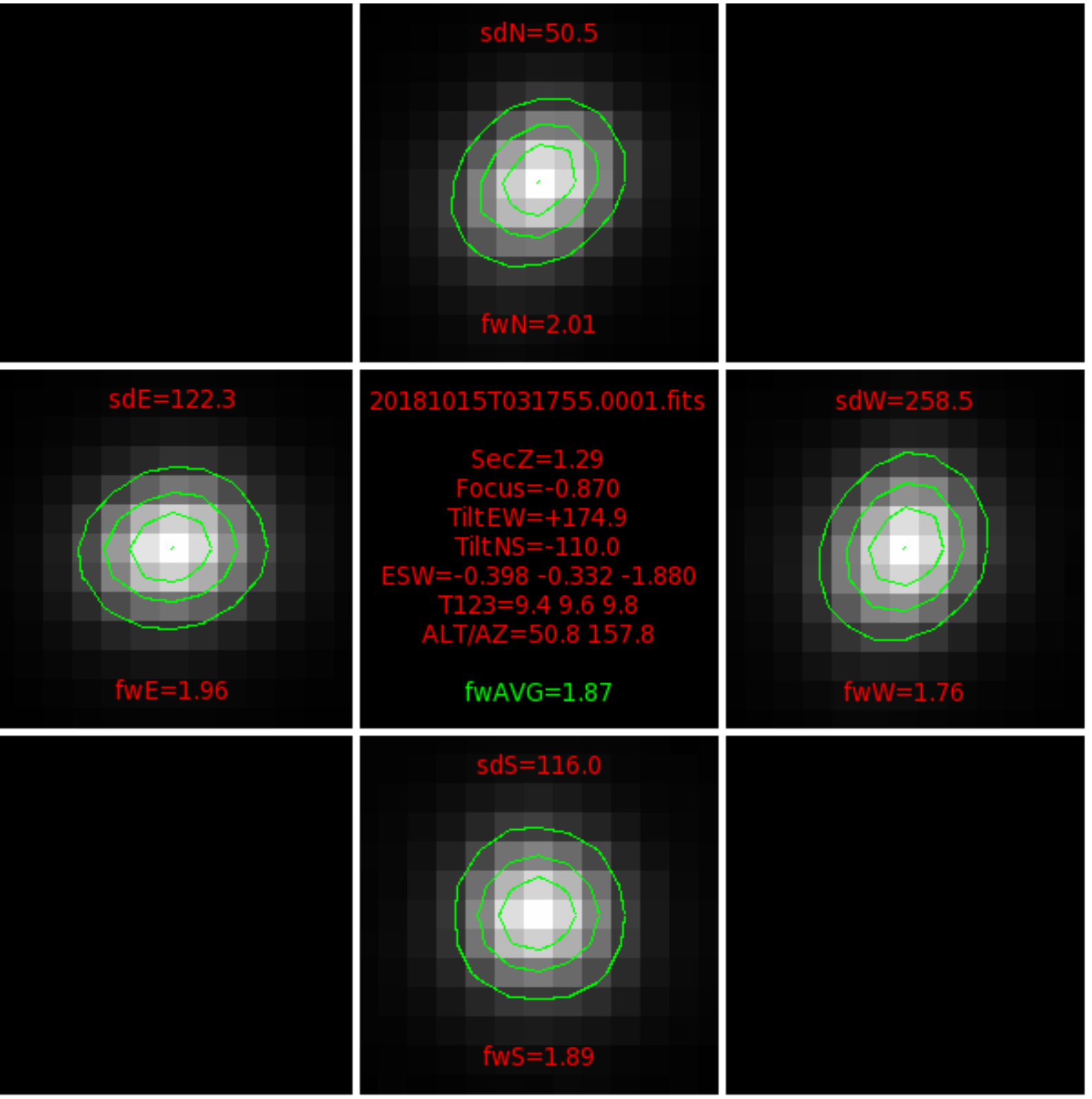
sdN=50.5
fwN=2.01
sdE=122.3
fwE=1.96
20181015T031755.0001.fits
SecZ=1.29
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.4 9.6 9.8
ALT/AZ=50.8 157.8
fwAVG=1.87
sdW=258.5
fwW=1.76
sdS=116.0
fwS=1.89
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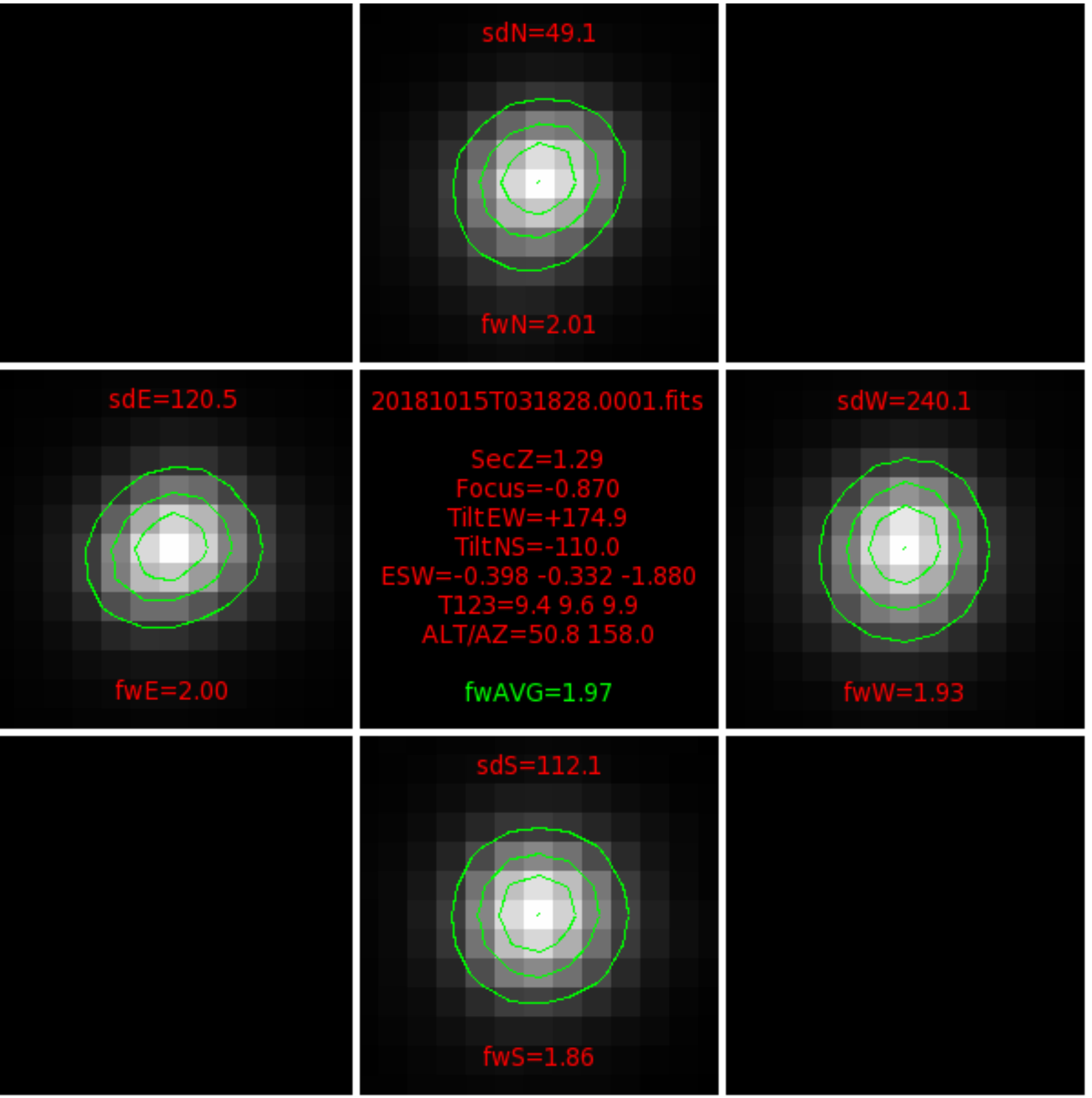
sdN=49.1
fwN=2.01
sdE=120.5
fwE=2.00
20181015T031828.0001.fits
SecZ=1.29
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.4 9.6 9.9
ALT/AZ=50.8 158.0
fwAVG=1.97
sdW=240.1
fwW=1.93
sdS=112.1
fwS=1.86
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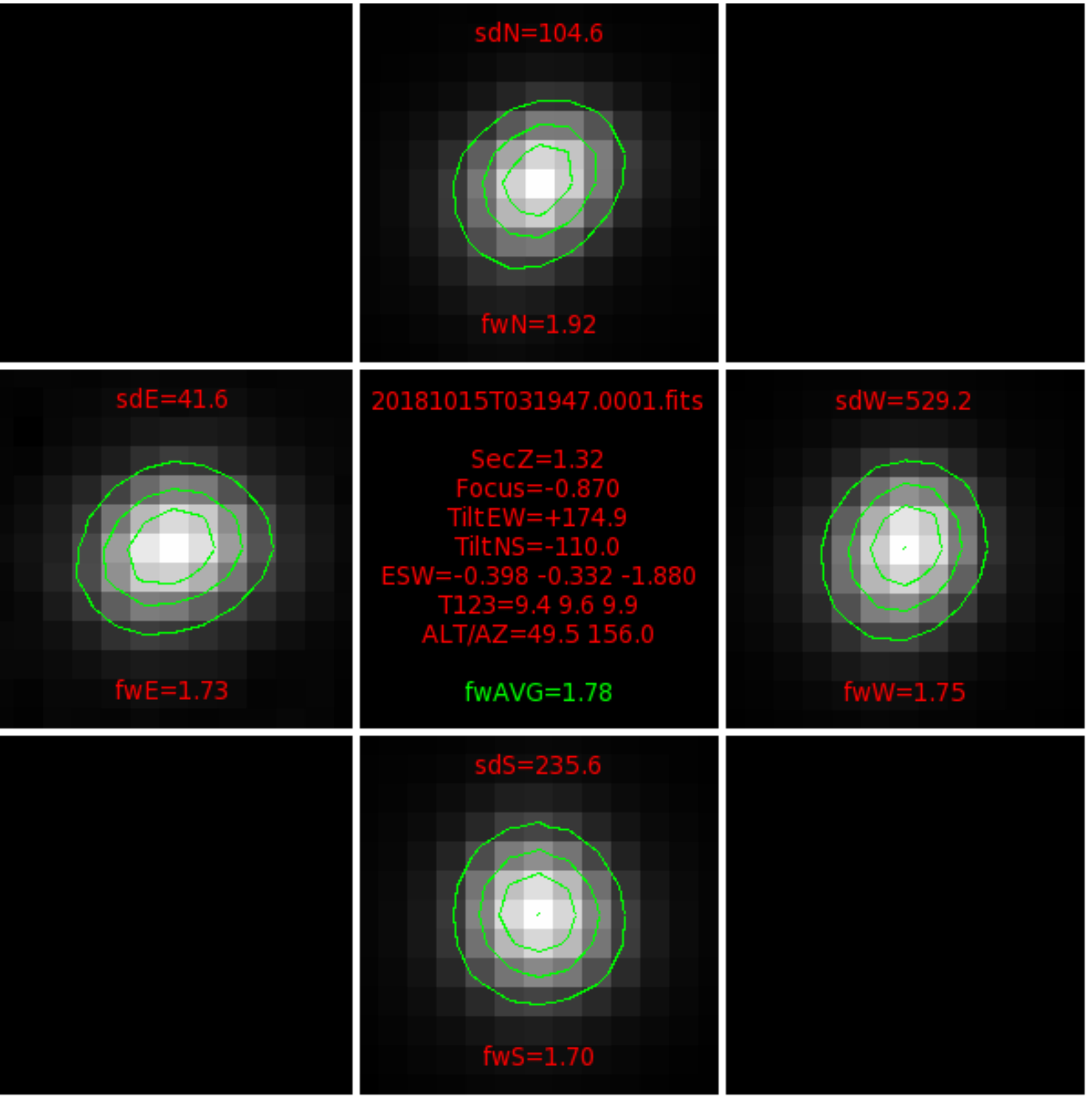
sdN=104.6
fwN=1.92
sdE=41.6
fwE=1.73
20181015T031947.0001.fits
SecZ=1.32
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.4 9.6 9.9
ALT/AZ=49.5 156.0
fwAVG=1.78
sdW=529.2
fwW=1.75
sdS=235.6
fwS=1.70
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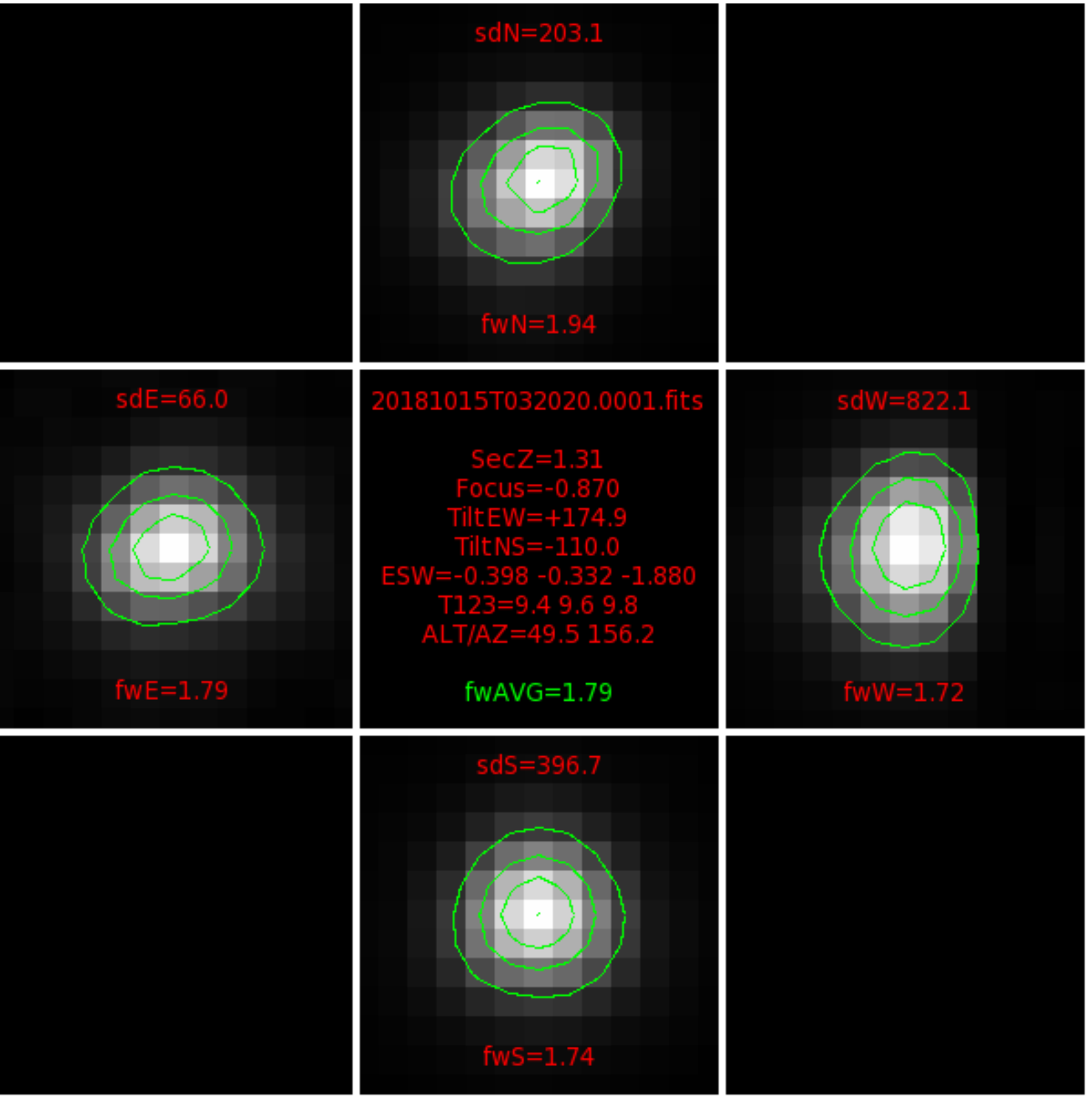
sdN=203.1
fwN=1.94
sdE=66.0
fwE=1.79
20181015T032020.0001.fits
SecZ=1.31
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.4 9.6 9.8
ALT/AZ=49.5 156.2
fwAVG=1.79
sdW=822.1
fwW=1.72
sdS=396.7
fwS=1.74
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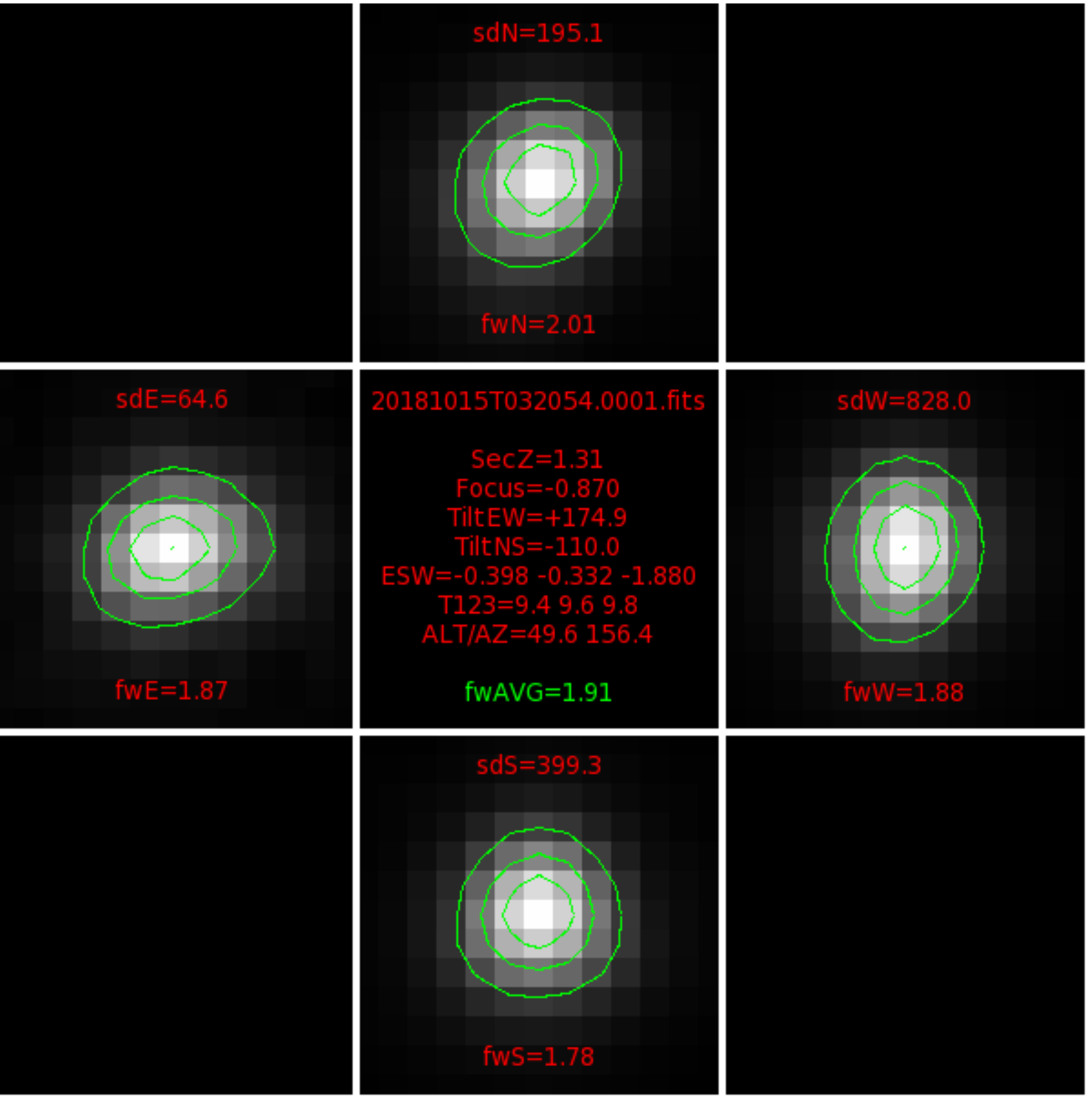
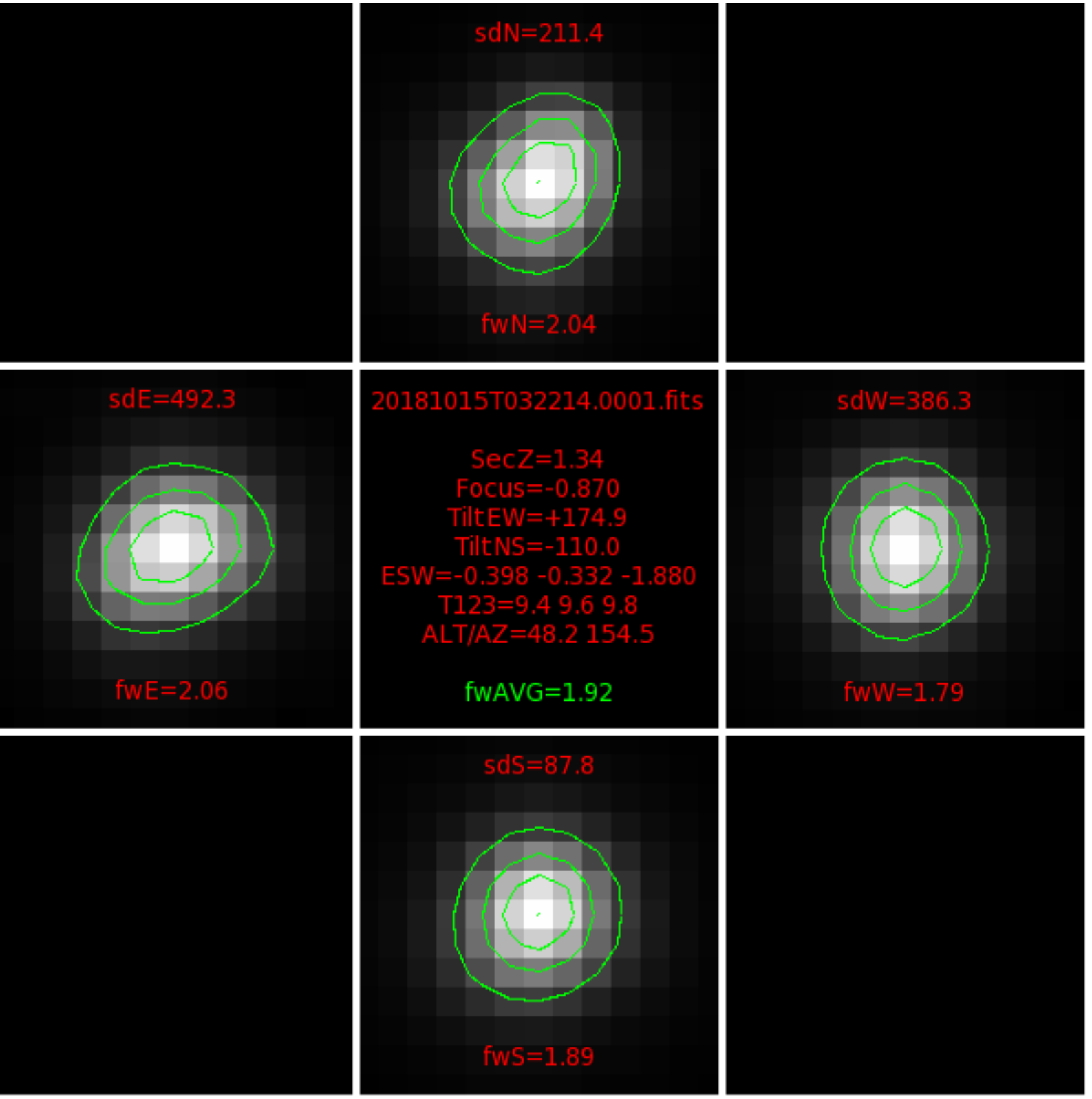

sdN=195.1
fwN=2.01
sdE=64.6
fwE=1.87
20181015T032054.0001.fits
SecZ=1.31
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.4 9.6 9.8
ALT/AZ=49.6 156.4
fwAVG=1.91
sdW=828.0
fwW=1.88
sdS=399.3
fwS=1.78
0 0 0 0 0 0 0 0 0


sdN=211.4
fwN=2.04
sdE=492.3
fwE=2.06
20181015T032214.0001.fits
SecZ=1.34
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.4 9.6 9.8
ALT/AZ=48.2 154.5
fwAVG=1.92
sdW=386.3
fwW=1.79
sdS=87.8
fwS=1.89
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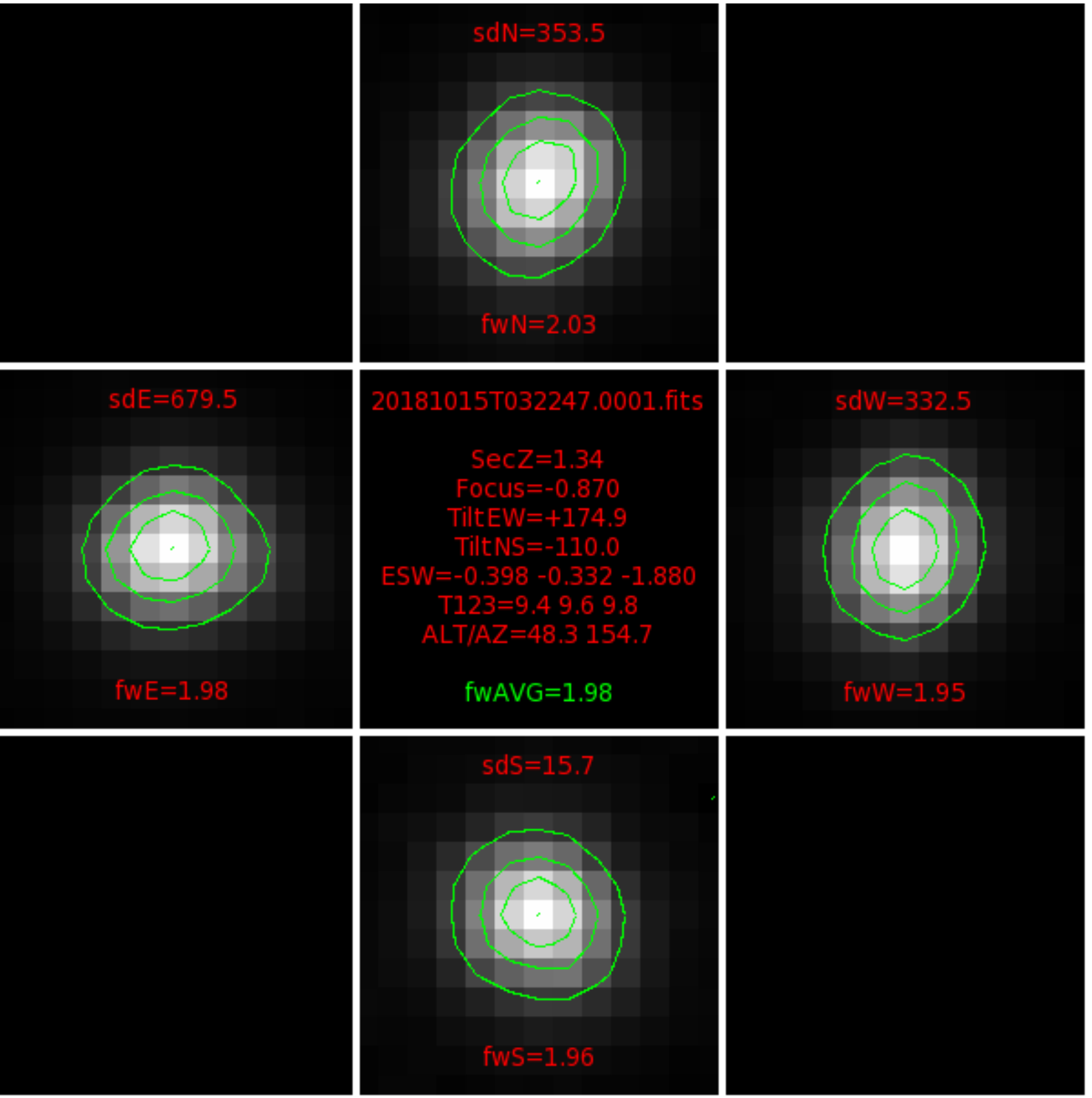
sdN=353.5
fwN=2.03
sdE=679.5
fwE=1.98
20181015T032247.0001.fits
SecZ=1.34
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.4 9.6 9.8
ALT/AZ=48.3 154.7
fwAVG=1.98
sdW=332.5
fwW=1.95
sdS=15.7
fwS=1.96
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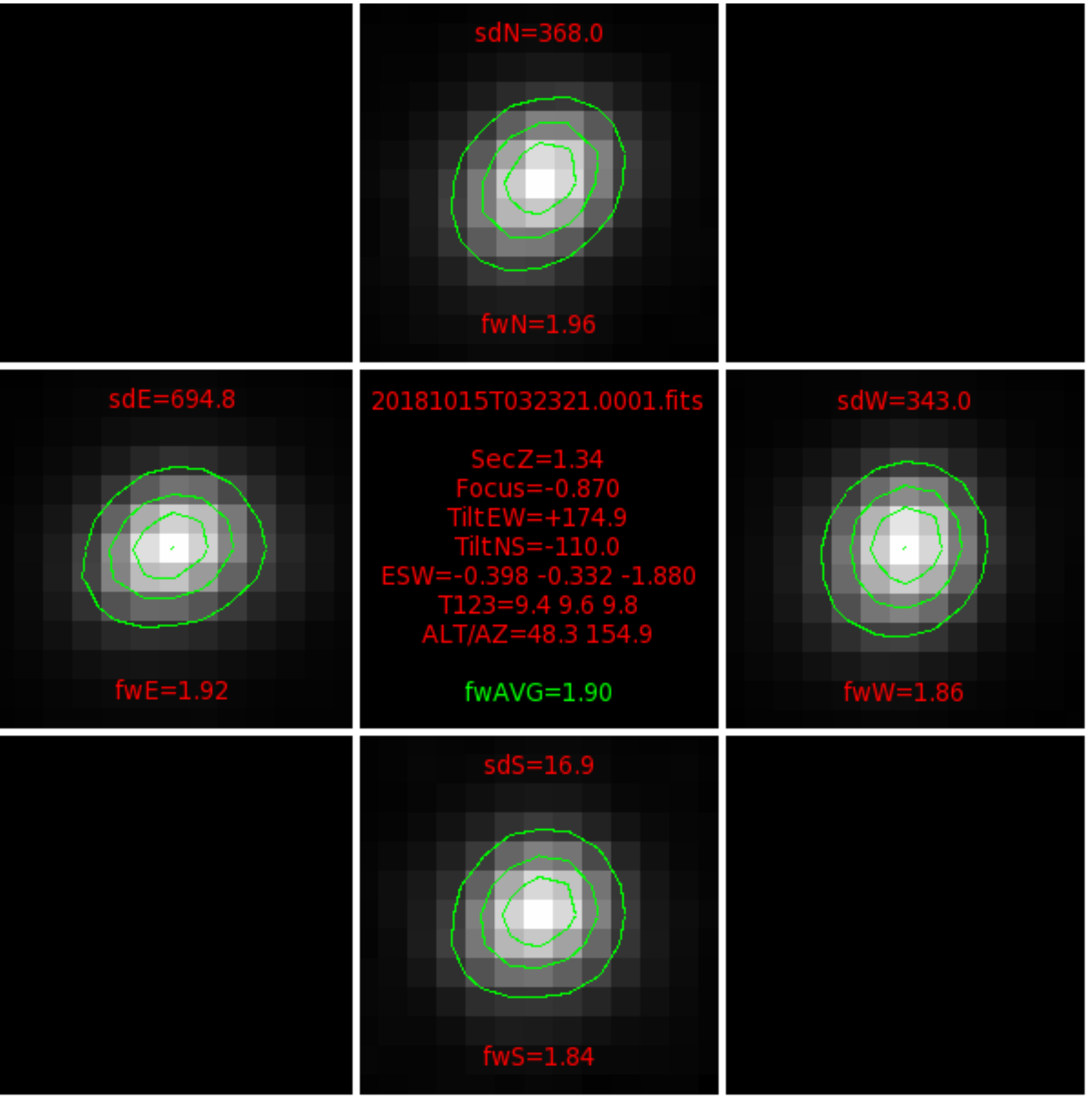
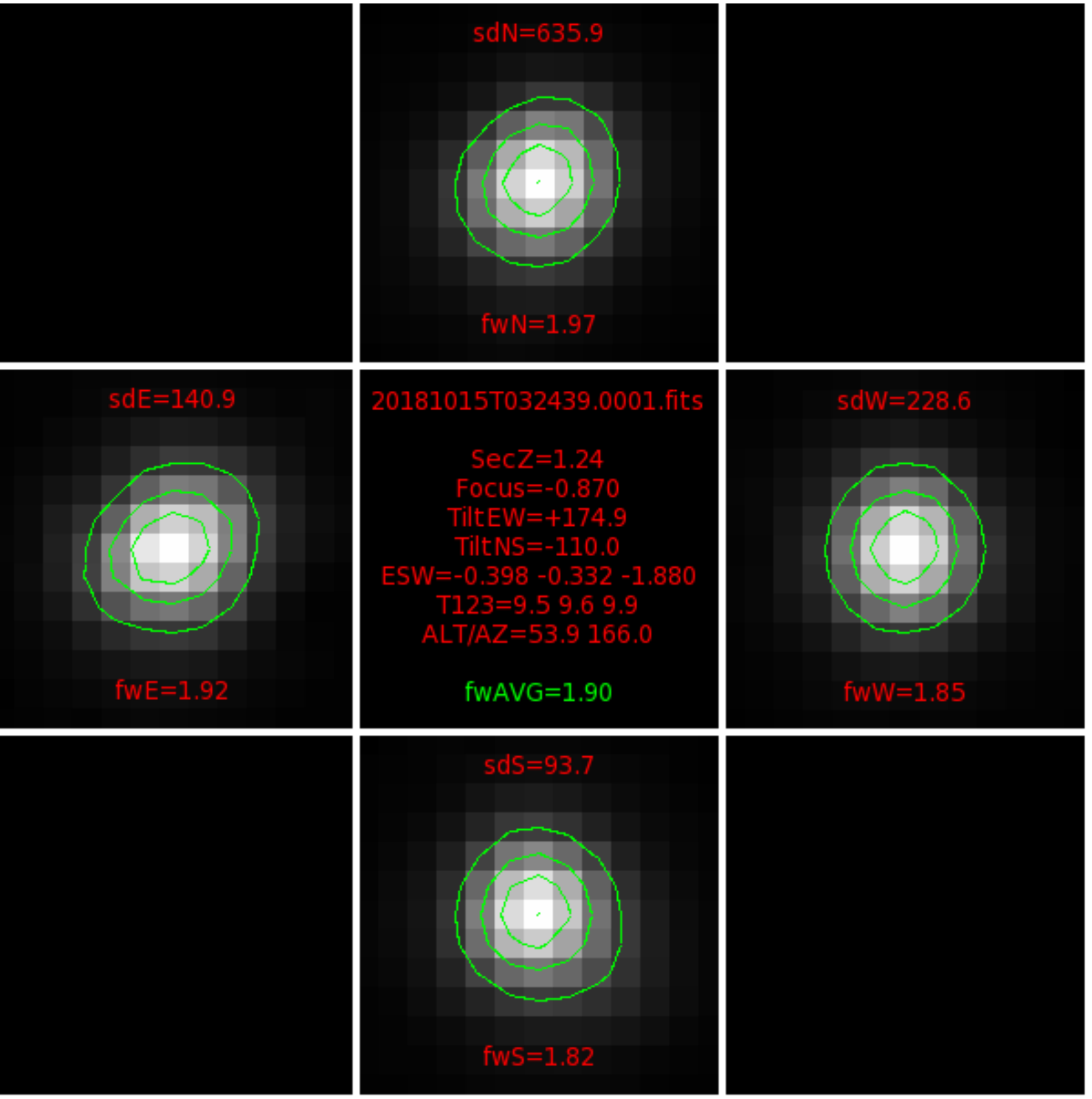

sdN=368.0
fwN=1.96
sdE=694.8
fwE=1.92
20181015T032321.0001.fits
SecZ=1.34
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.4 9.6 9.8
ALT/AZ=48.3 154.9
fwAVG=1.90
sdW=343.0
fwW=1.86
sdS=16.9
fwS=1.84
0 0 0 0 0 0 0 0 0


sdN=635.9
fwN=1.97
sdE=140.9
fwE=1.92
20181015T032439.0001.fits
SecZ=1.24
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.6 9.9
ALT/AZ=53.9 166.0
fwAVG=1.90
sdW=228.6
fwW=1.85
sdS=93.7
fwS=1.82
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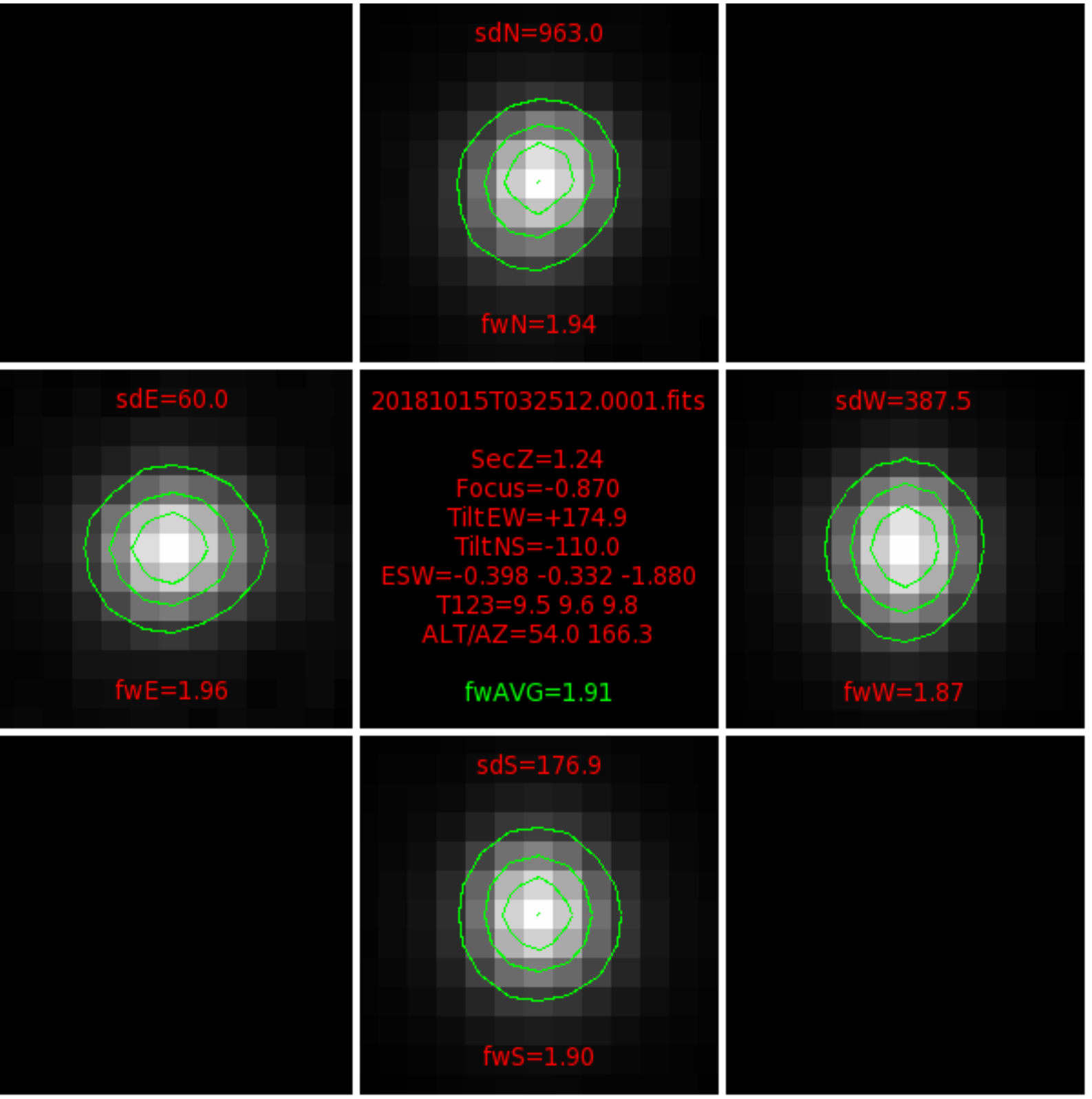
sdN=963.0
fwN=1.94
sdE=60.0
fwE=1.96
20181015T032512.0001.fits
SecZ=1.24
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.6 9.8
ALT/AZ=54.0 166.3
fwAVG=1.91
sdW=387.5
fwW=1.87
sdS=176.9
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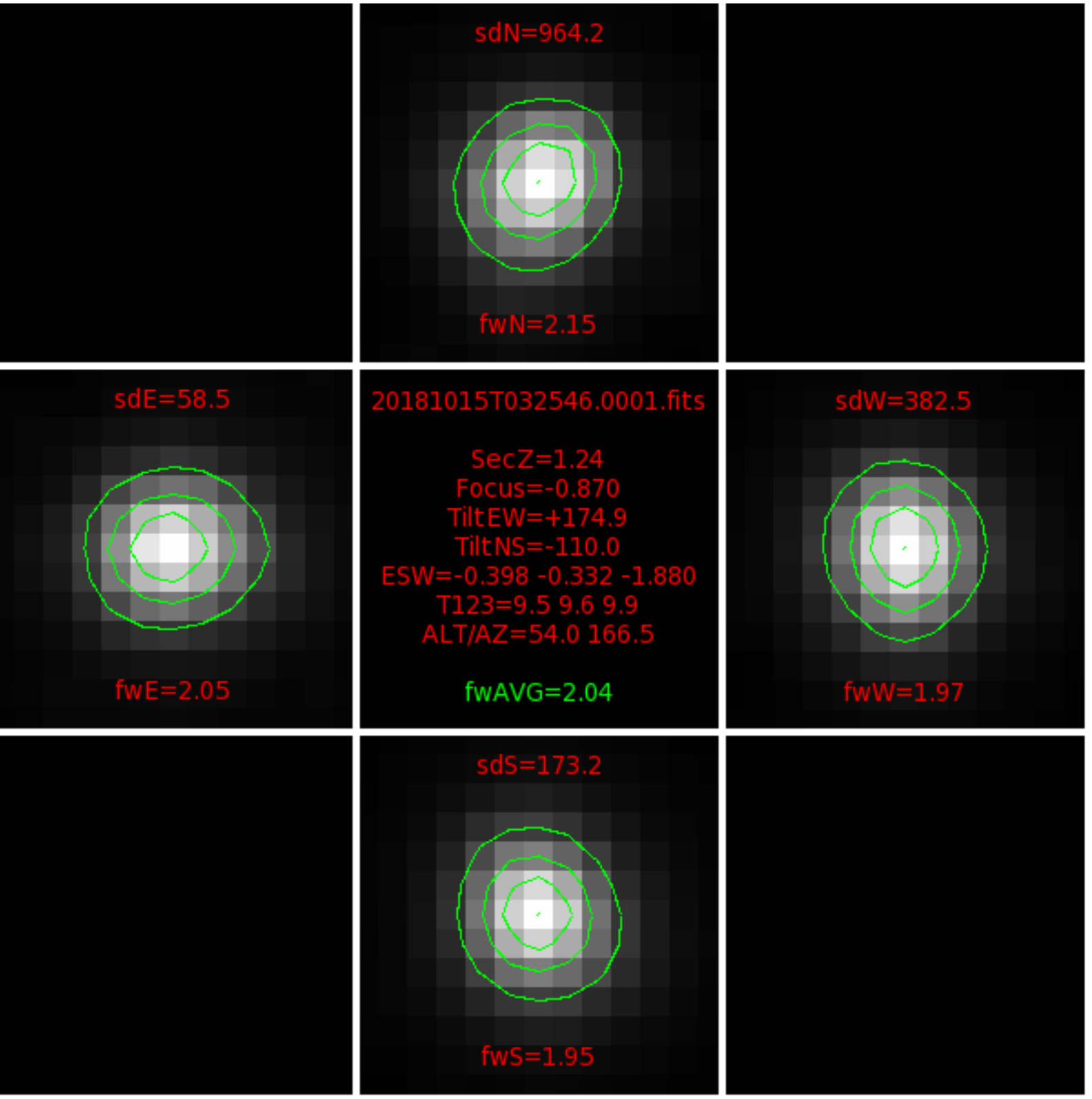
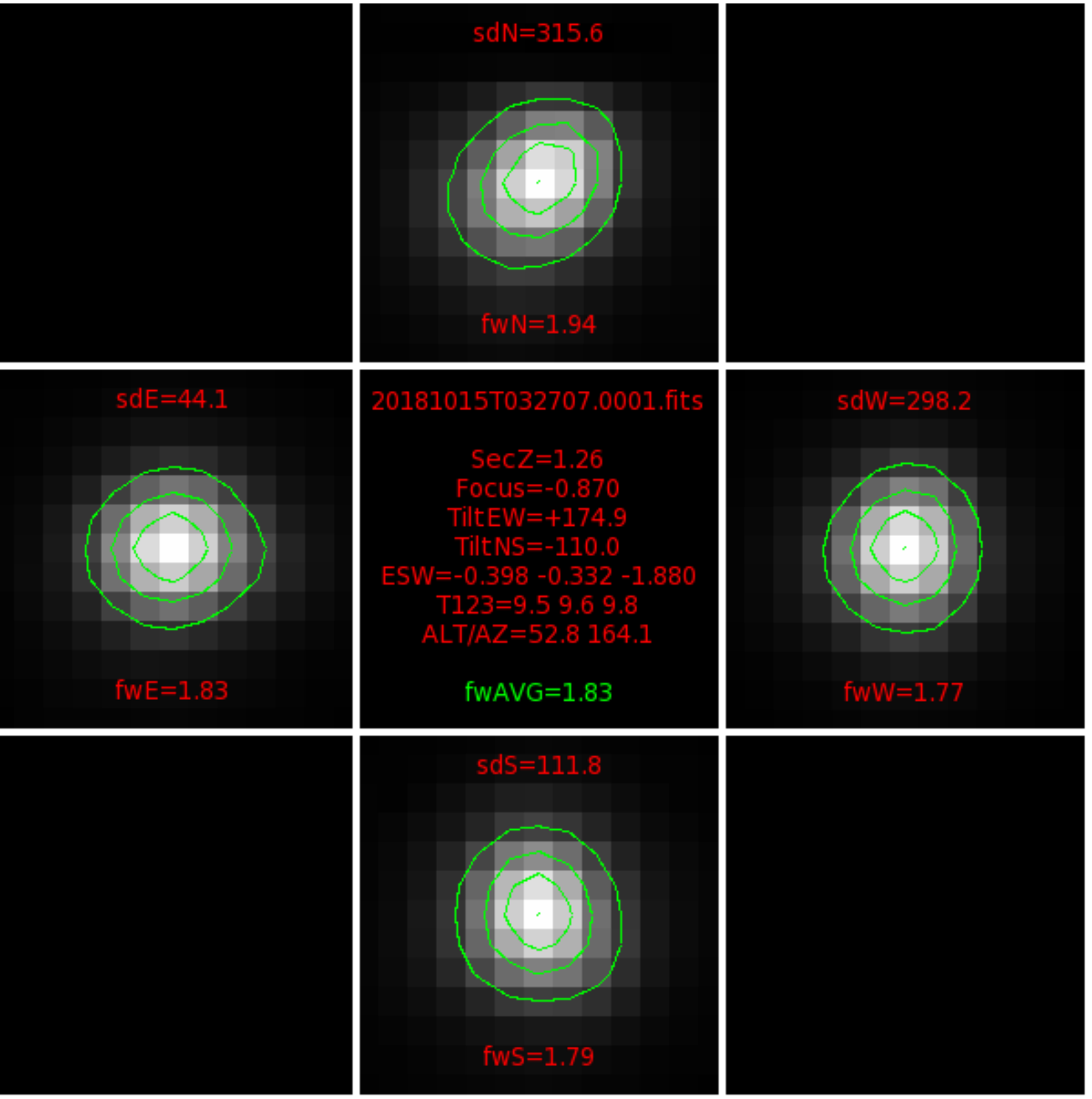

sdN=964.2
fwN=2.15
sdE=58.5
fwE=2.05
20181015T032546.0001.fits
SecZ=1.24
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.6 9.9
ALT/AZ=54.0 166.5
fwAVG=2.04
sdW=382.5
fwW=1.97
sdS=173.2
fwS=1.95
0 0 0 0 0 0 0 0 0


sdN=315.6
fwN=1.94
sdE=44.1
fwE=1.83
20181015T032707.0001.fits
SecZ=1.26
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.6 9.8
ALT/AZ=52.8 164.1
fwAVG=1.83
sdW=298.2
fwW=1.77
sdS=111.8
fwS=1.79
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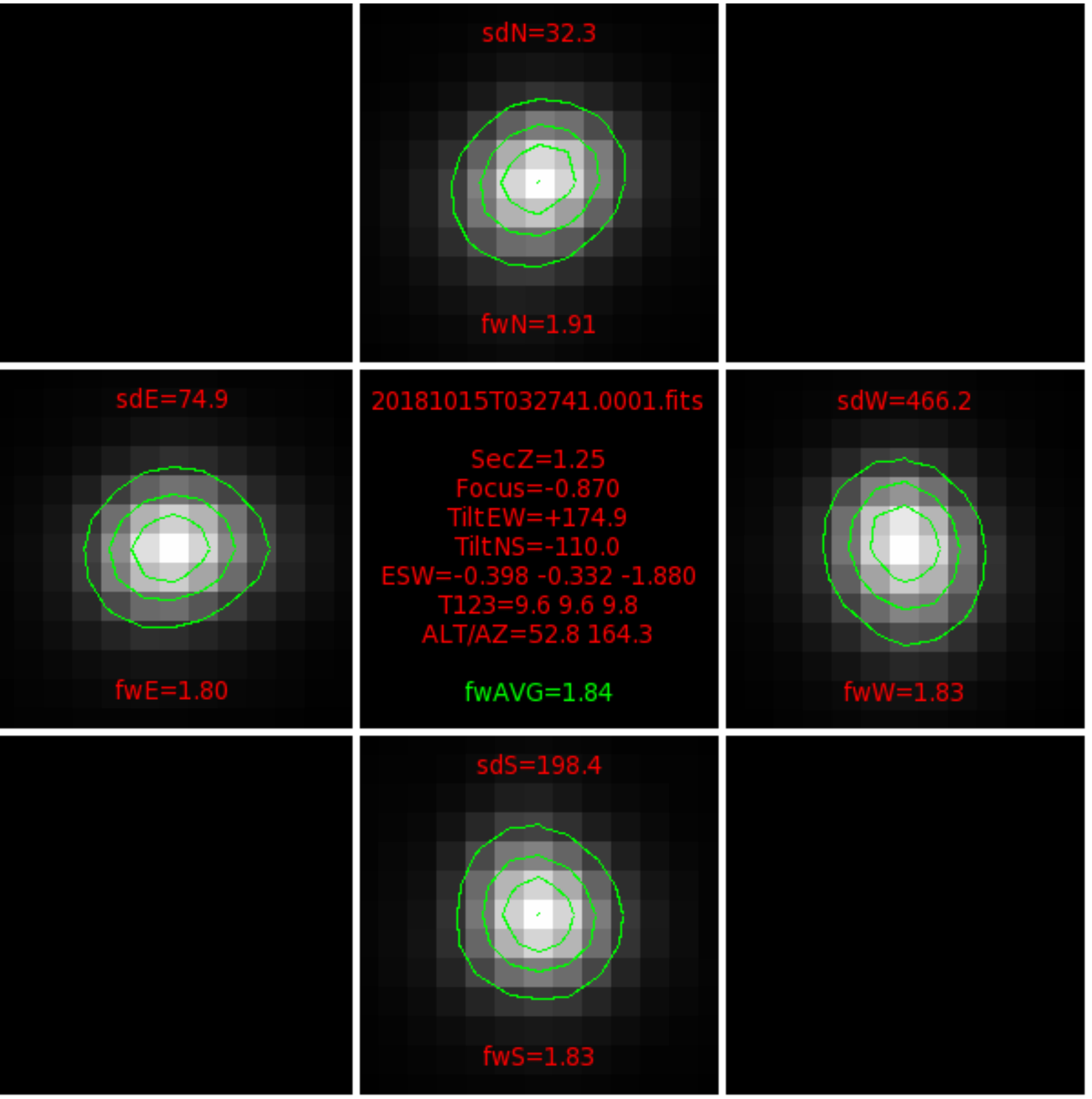
sdN=32.3
fwN=1.91
sdE=74.9
fwE=1.80
20181015T032741.0001.fits
SecZ=1.25
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.8
ALT/AZ=52.8 164.3
fwAVG=1.84
sdW=466.2
fwW=1.83
sdS=198.4
fwS=1.83
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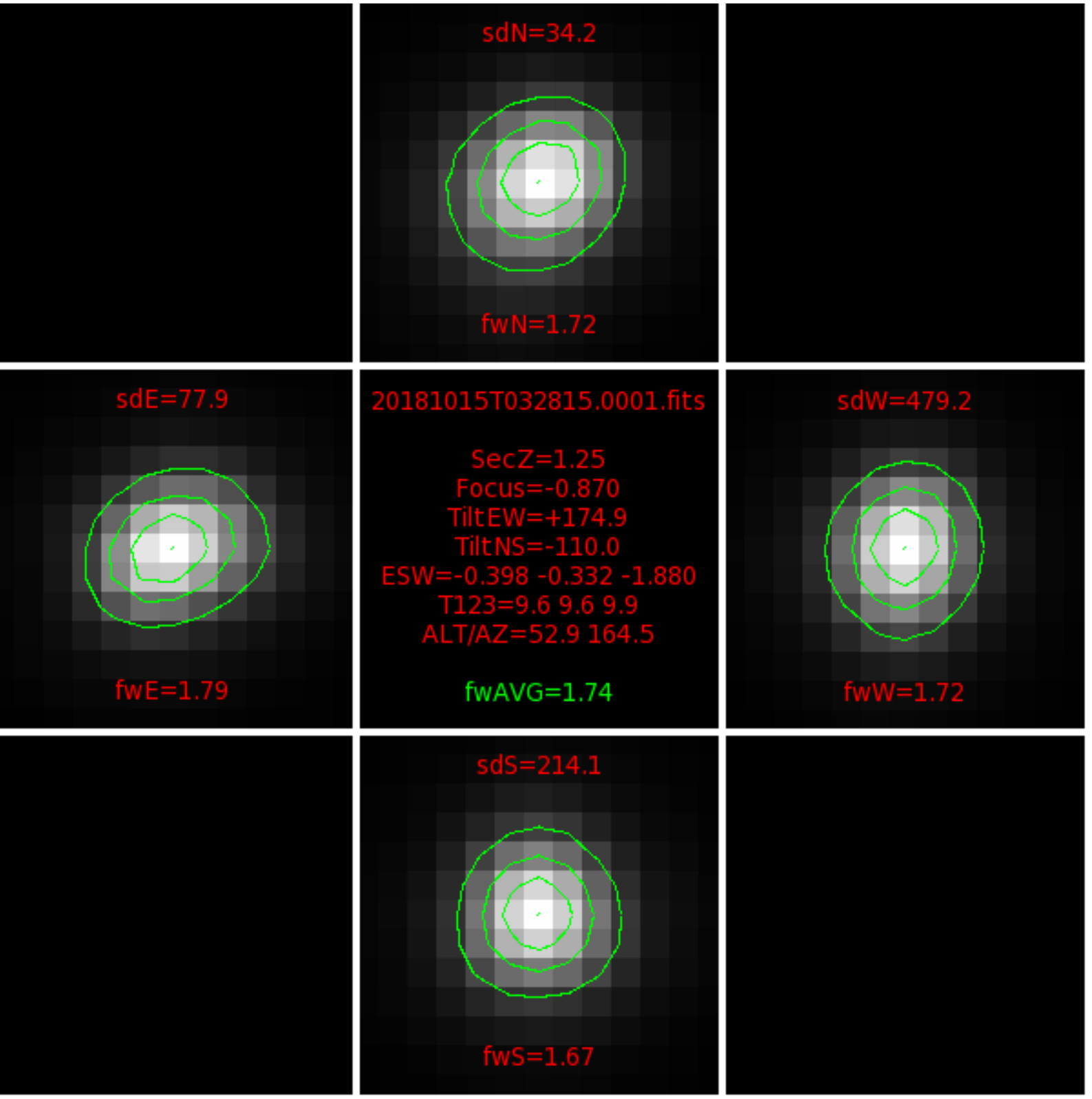
sdN=34.2
fwN=1.72
sdE=77.9
fwE=1.79
20181015T032815.0001.fits
SecZ=1.25
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.9
ALT/AZ=52.9 164.5
fwAVG=1.74
sdW=479.2
fwW=1.72
sdS=214.1
fwS=1.67
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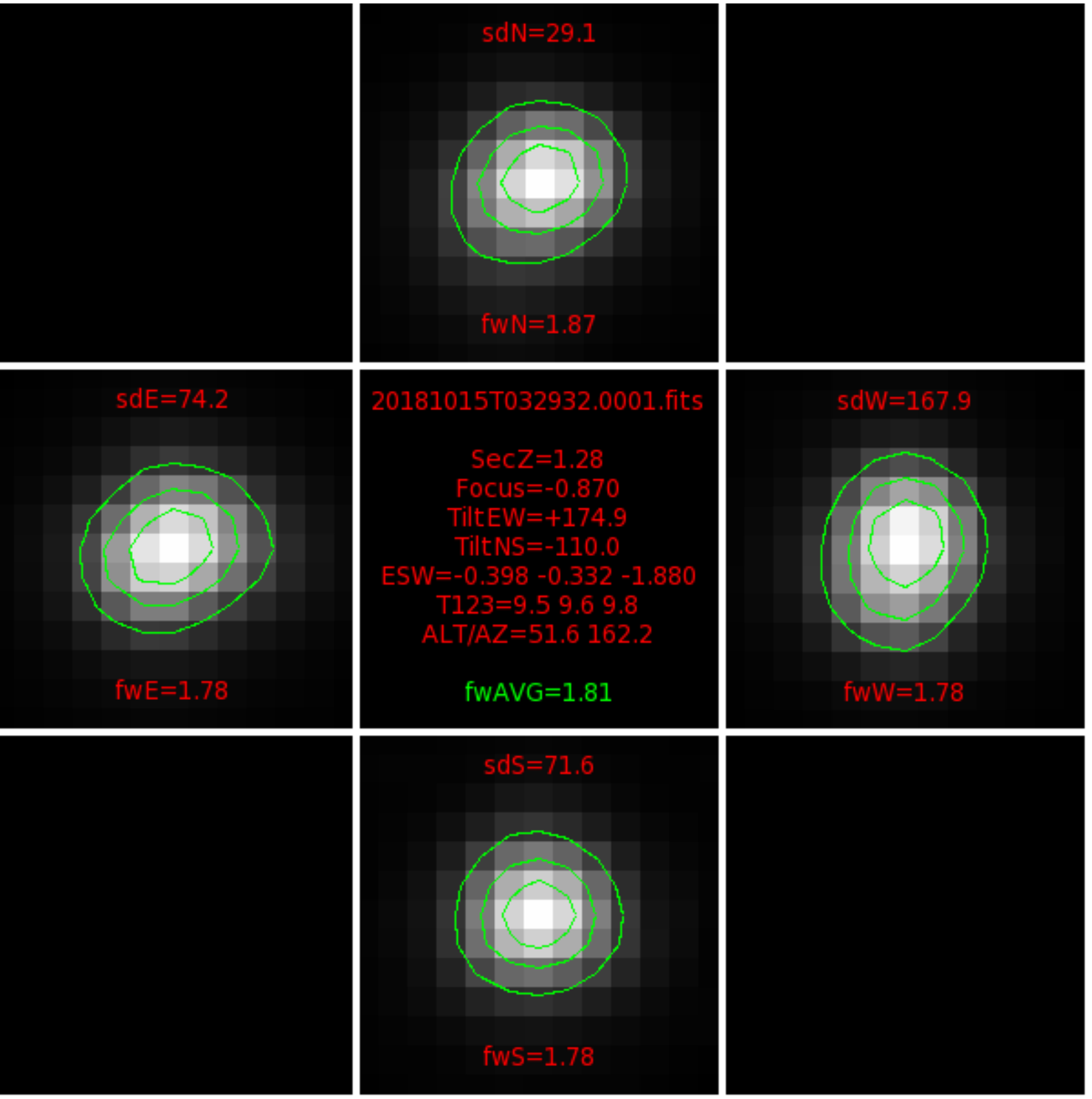
sdN=29.1
fwN=1.87
sdE=74.2
fwE=1.78
20181015T032932.0001.fits
SecZ=1.28
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.6 9.8
ALT/AZ=51.6 162.2
fwAVG=1.81
sdW=167.9
fwW=1.78
sdS=71.6
fwS=1.78
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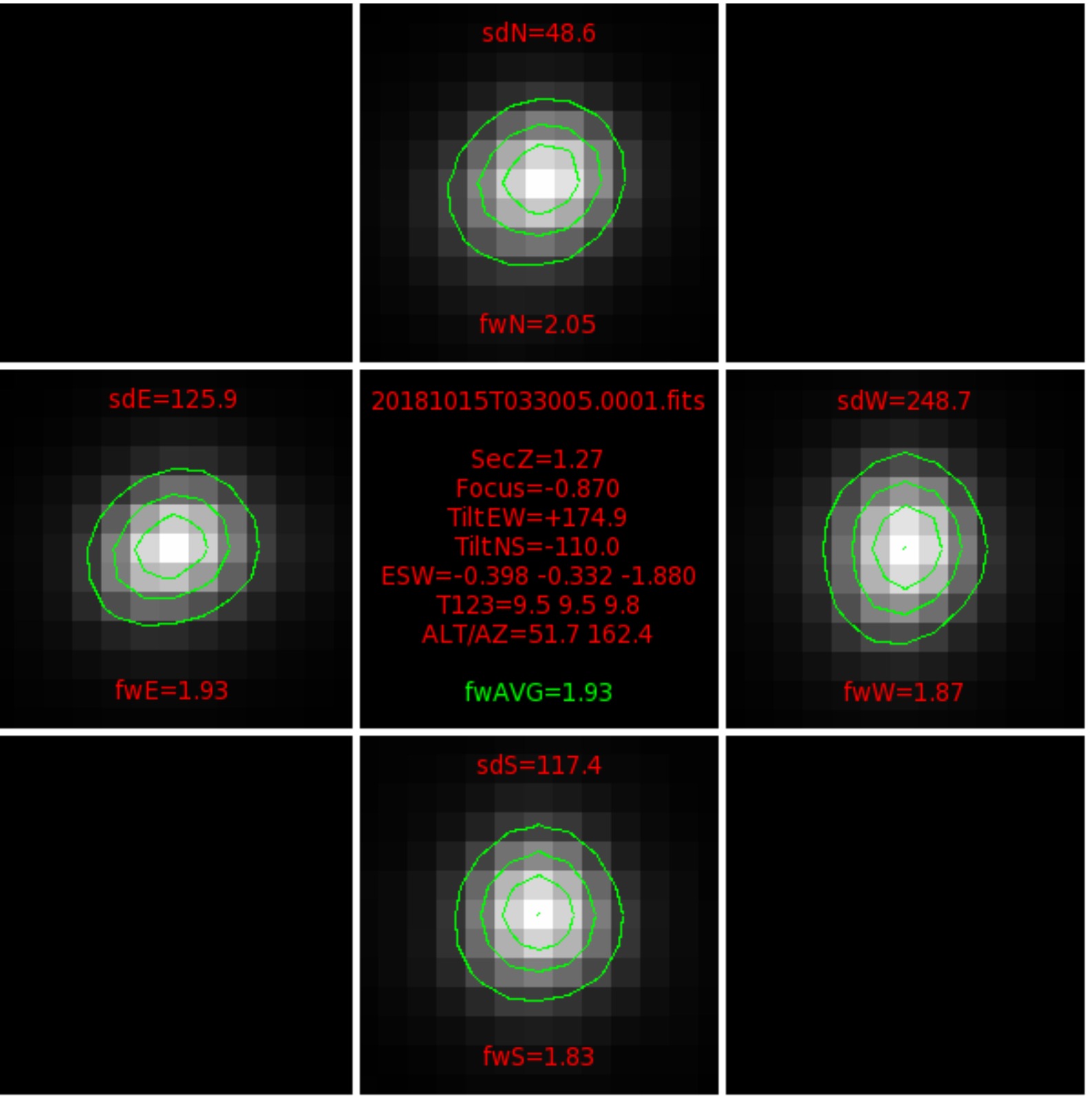
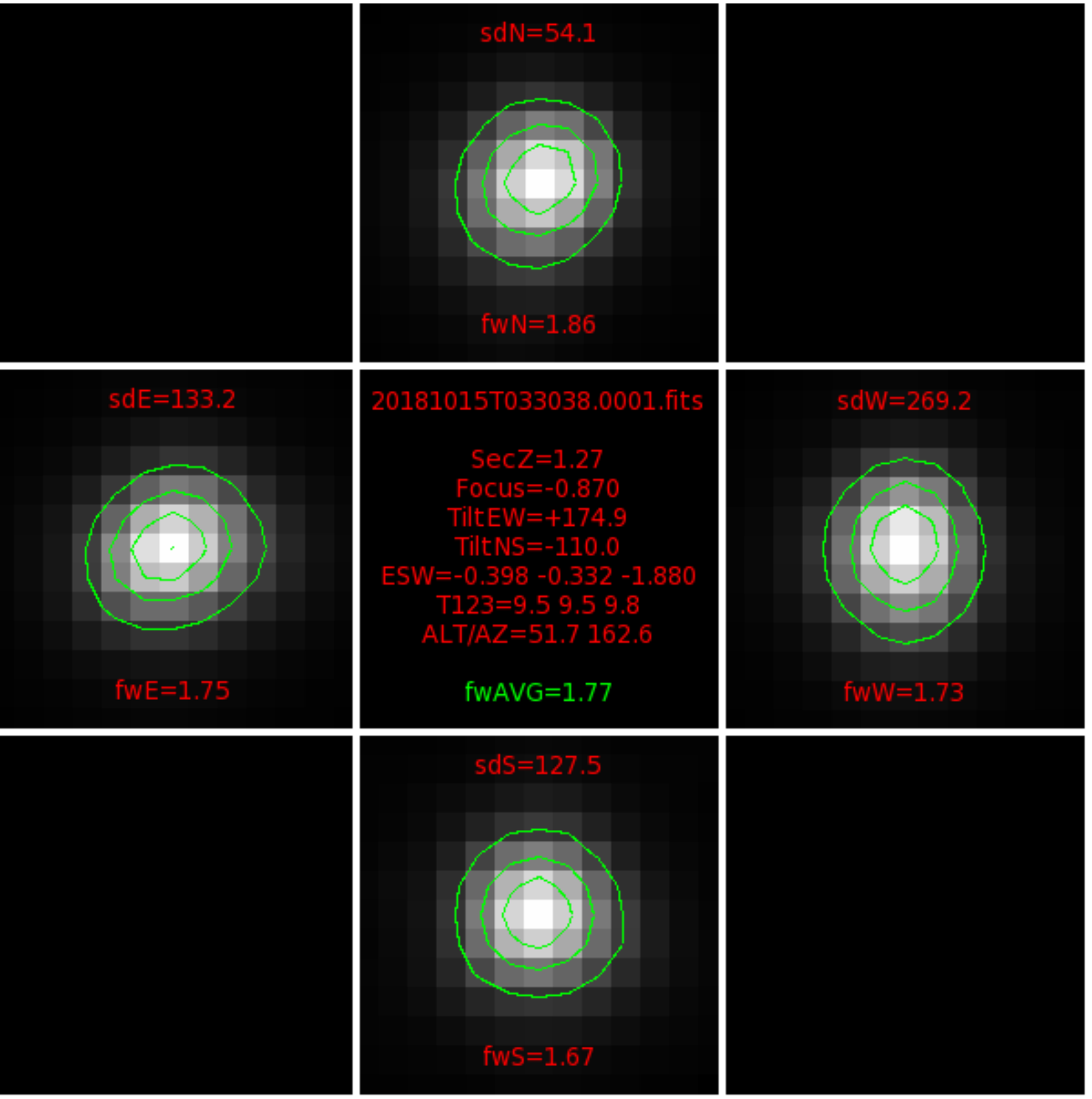
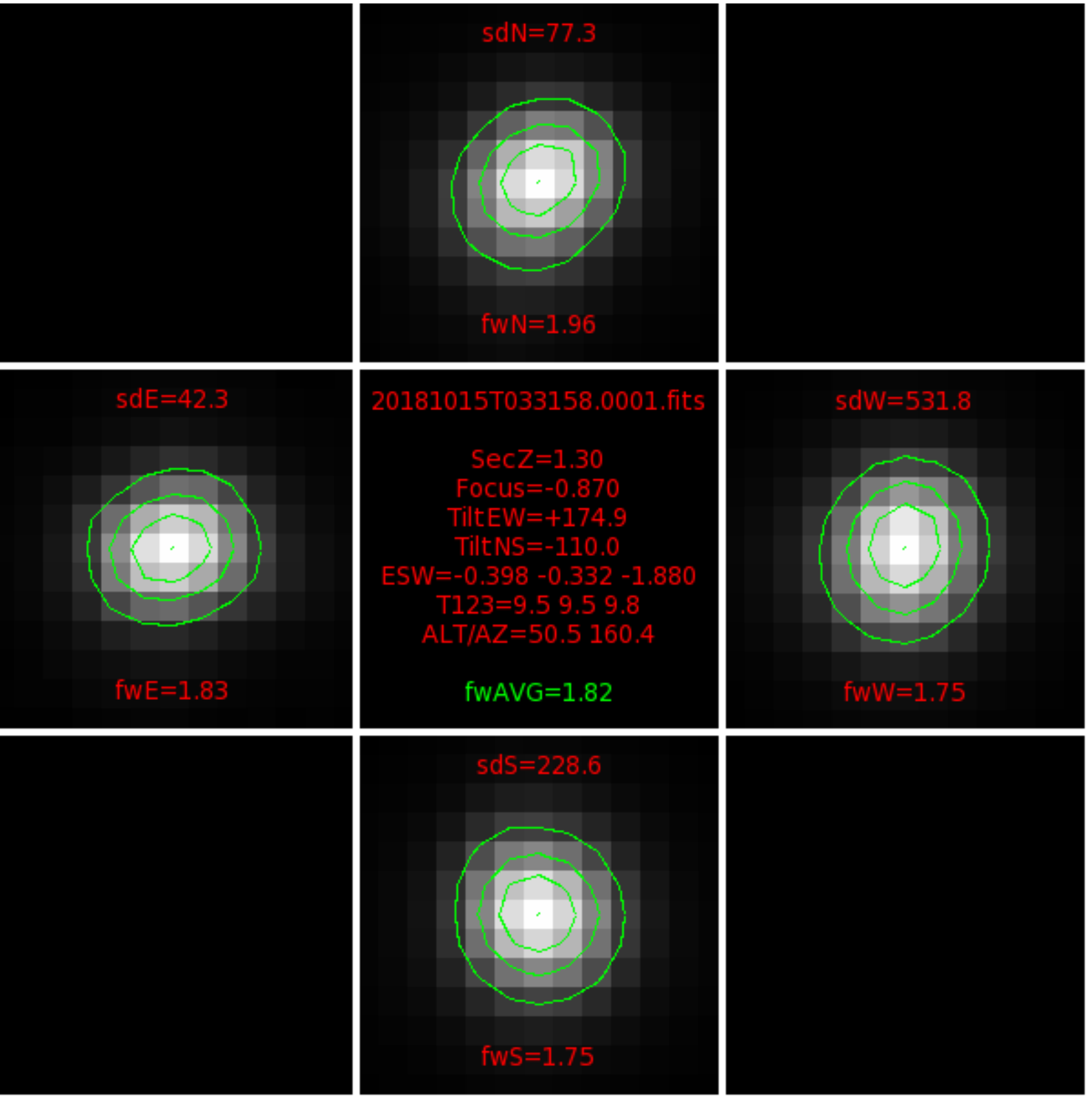

sdN=48.6
fwN=2.05
sdE=125.9
fwE=1.93
20181015T033005.0001.fits
SecZ=1.27
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.5 9.8
ALT/AZ=51.7 162.4
fwAVG=1.93
sdW=248.7
fwW=1.87
sdS=117.4
fwS=1.83
0 0 0 0 0 0 0 0 0


sdN=54.1
fwN=1.86
sdE=133.2
fwE=1.75
20181015T033038.0001.fits
SecZ=1.27
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.5 9.8
ALT/AZ=51.7 162.6
fwAVG=1.77
sdW=269.2
fwW=1.73
sdS=127.5
fwS=1.67
0 0 0 0 0 0 0 0 0


sdN=77.3
fwN=1.96
sdE=42.3
fwE=1.83
20181015T033158.0001.fits
SecZ=1.30
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.5 9.8
ALT/AZ=50.5 160.4
fwAVG=1.82
sdW=531.8
fwW=1.75
sdS=228.6
fwS=1.75
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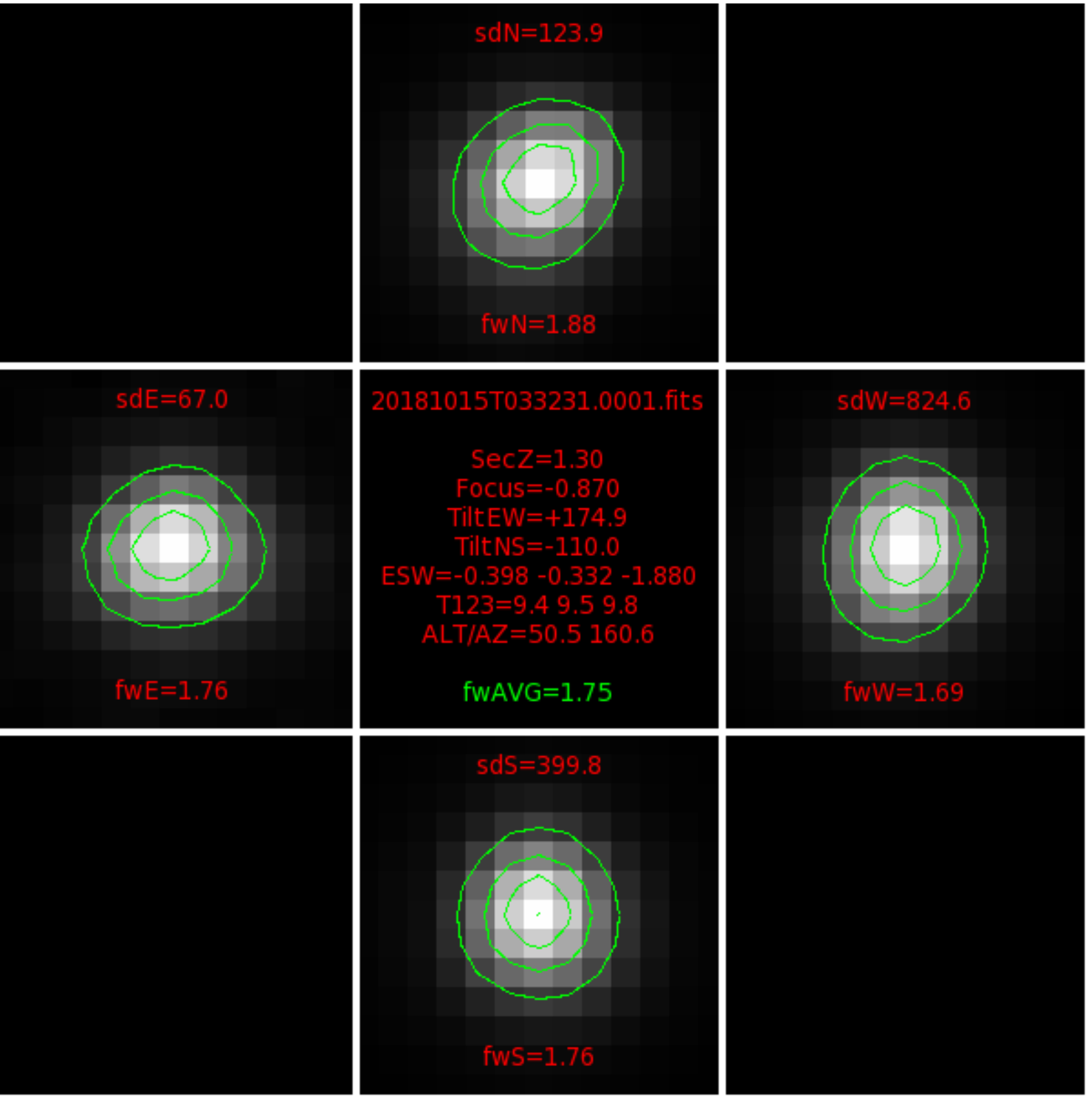
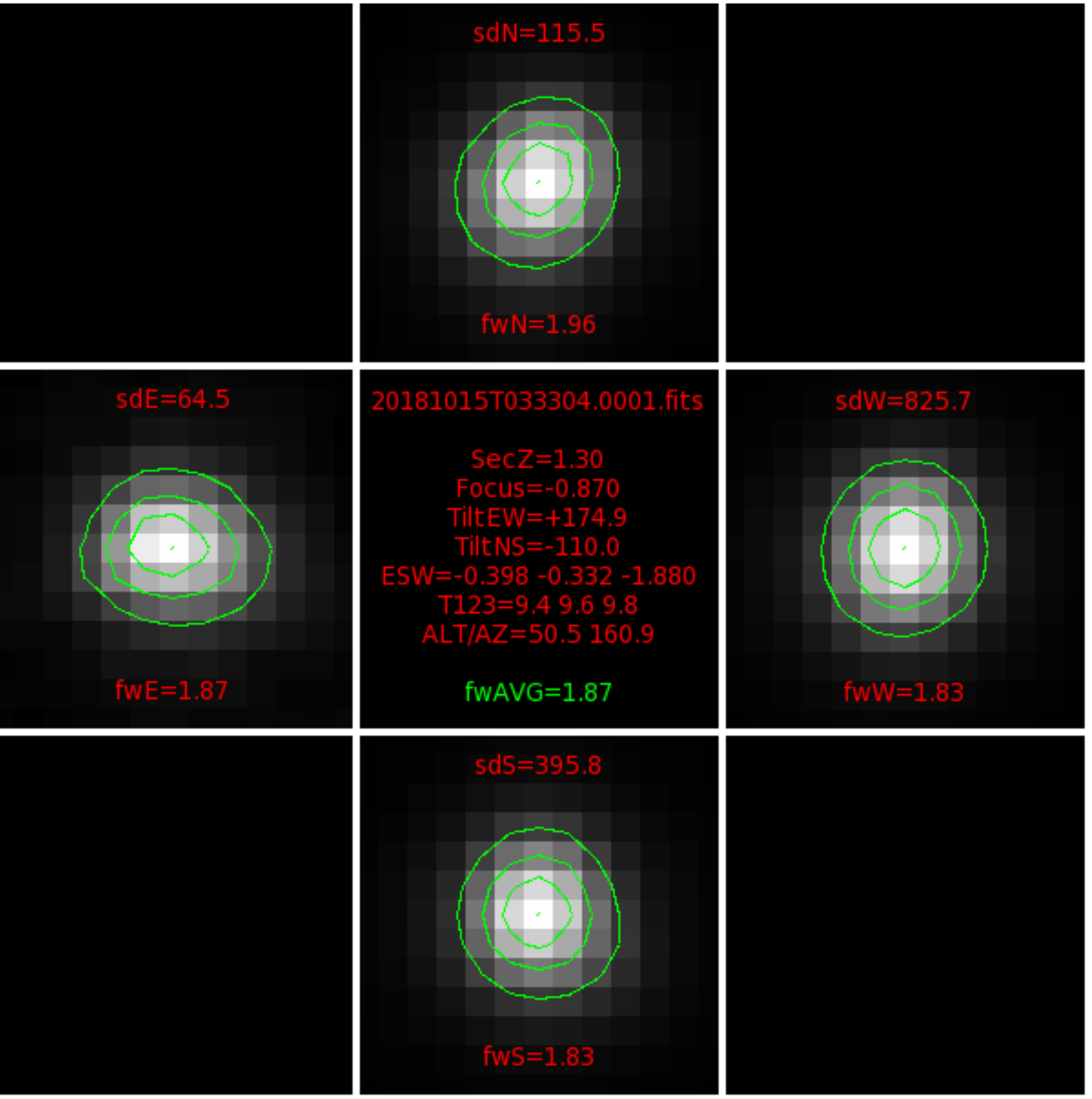

sdN=123.9
fwN=1.88
sdE=67.0
fwE=1.76
20181015T033231.0001.fits
SecZ=1.30
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.4 9.5 9.8
ALT/AZ=50.5 160.6
fwAVG=1.75
sdW=824.6
fwW=1.69
sdS=399.8
fwS=1.76
0 0 0 0 0 0 0 0 0


sdN=115.5
fwN=1.96
sdE=64.5
fwE=1.87
20181015T033304.0001.fits
SecZ=1.30
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.4 9.6 9.8
ALT/AZ=50.5 160.9
fwAVG=1.87
sdW=825.7
fwW=1.83
sdS=395.8
fwS=1.83
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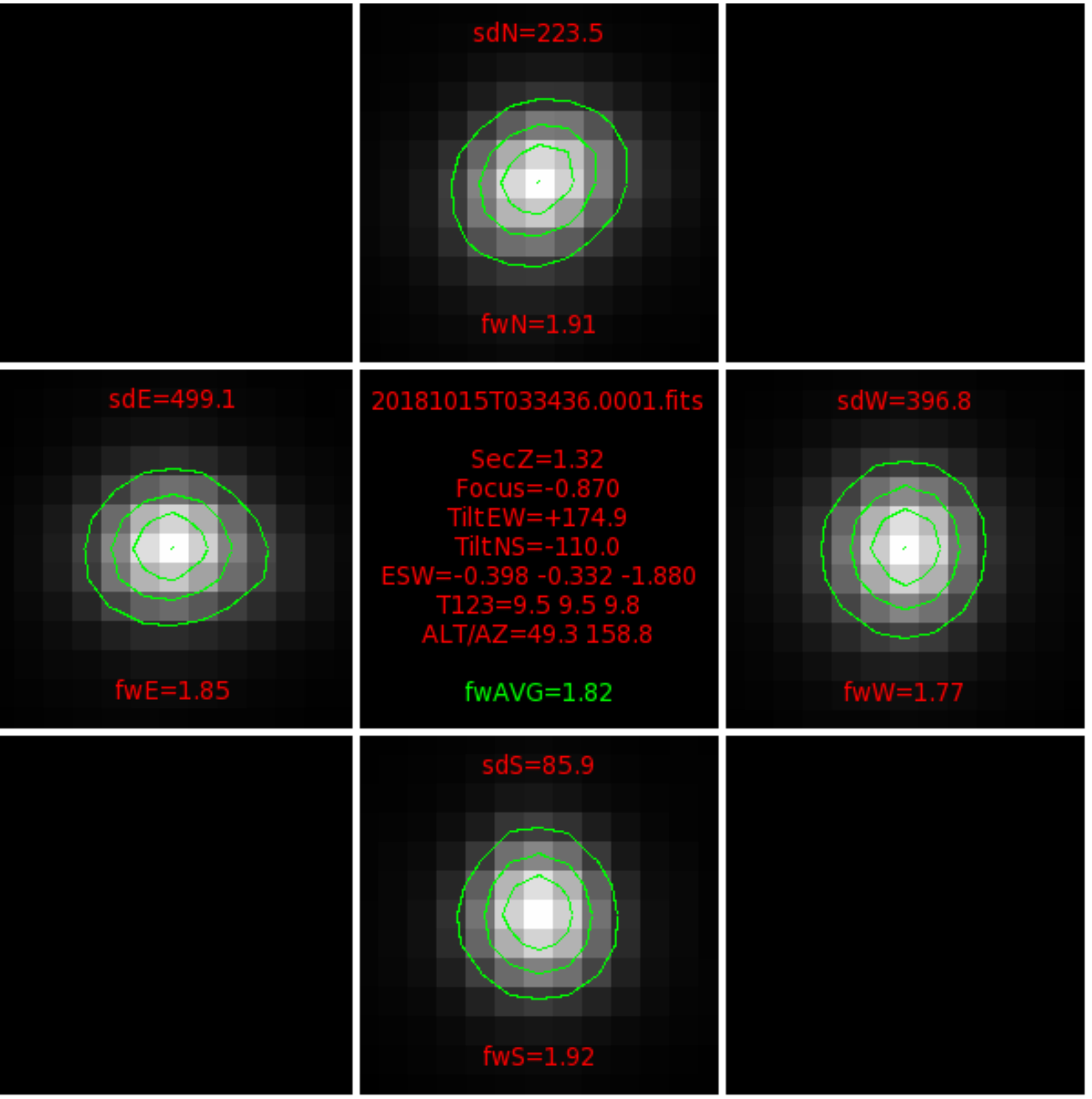
sdN=223.5
fwN=1.91
sdE=499.1
fwE=1.85
20181015T033436.0001.fits
SecZ=1.32
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.5 9.8
ALT/AZ=49.3 158.8
fwAVG=1.82
sdW=396.8
fwW=1.77
sdS=85.9
fwS=1.92
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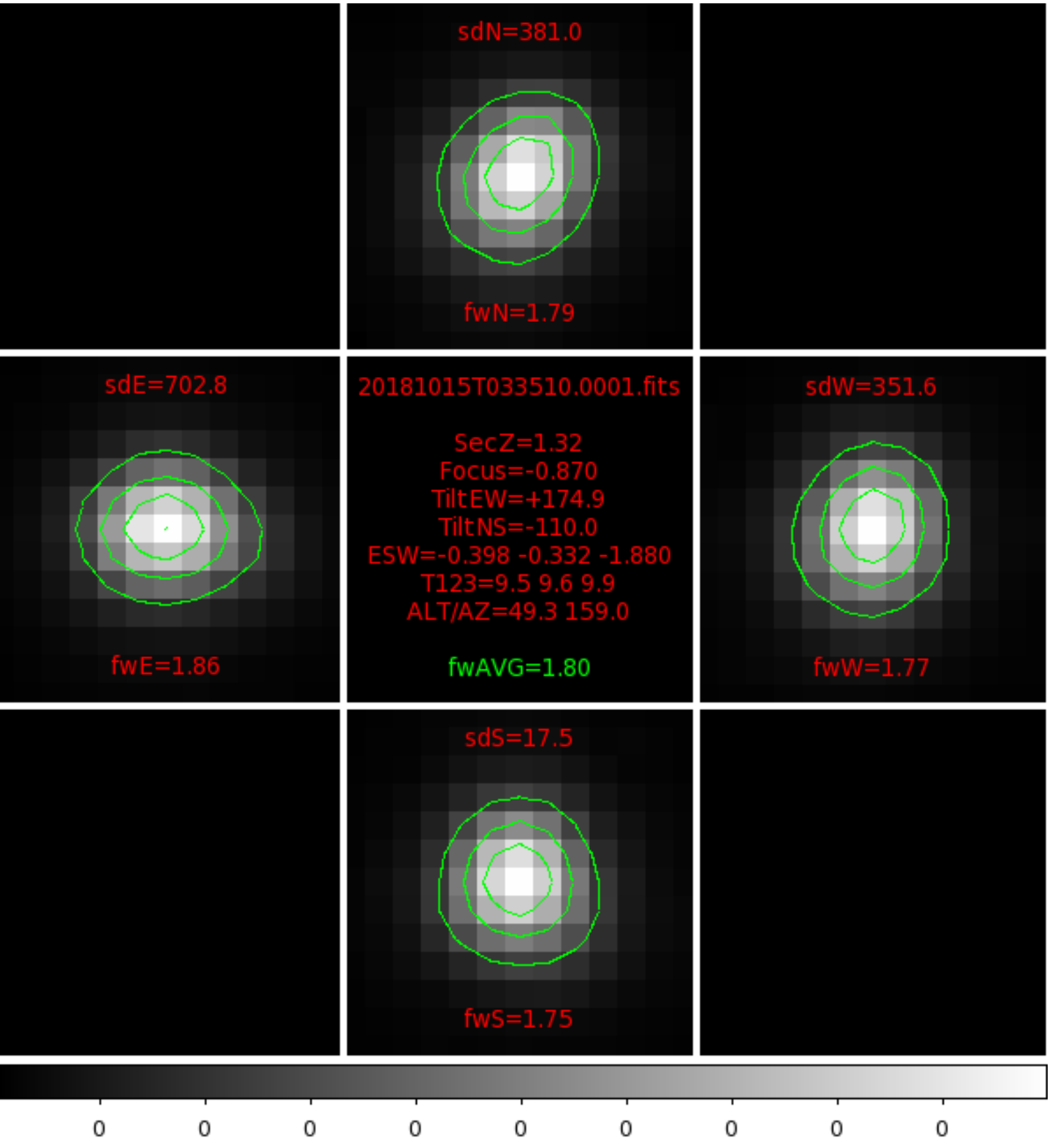
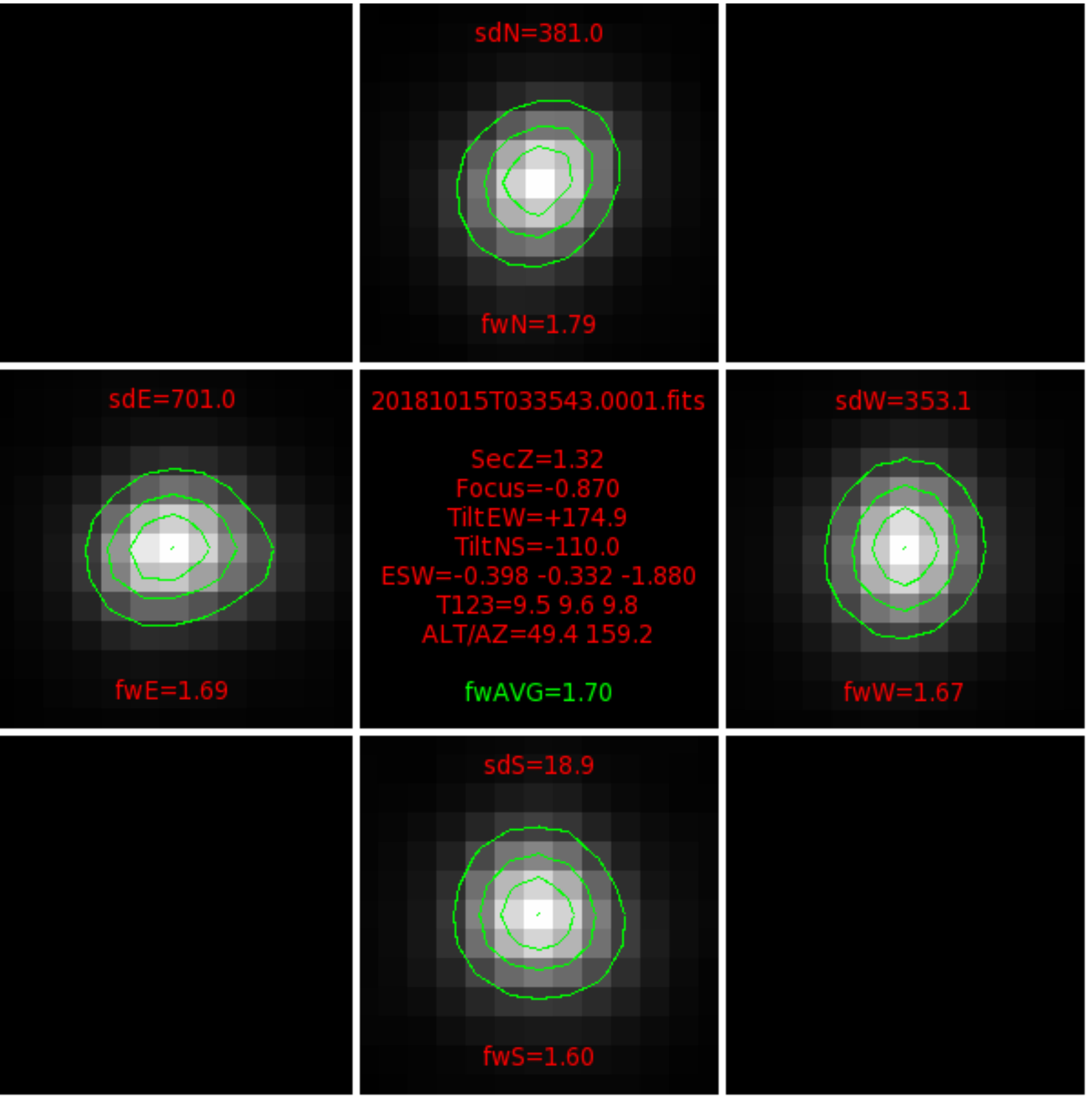
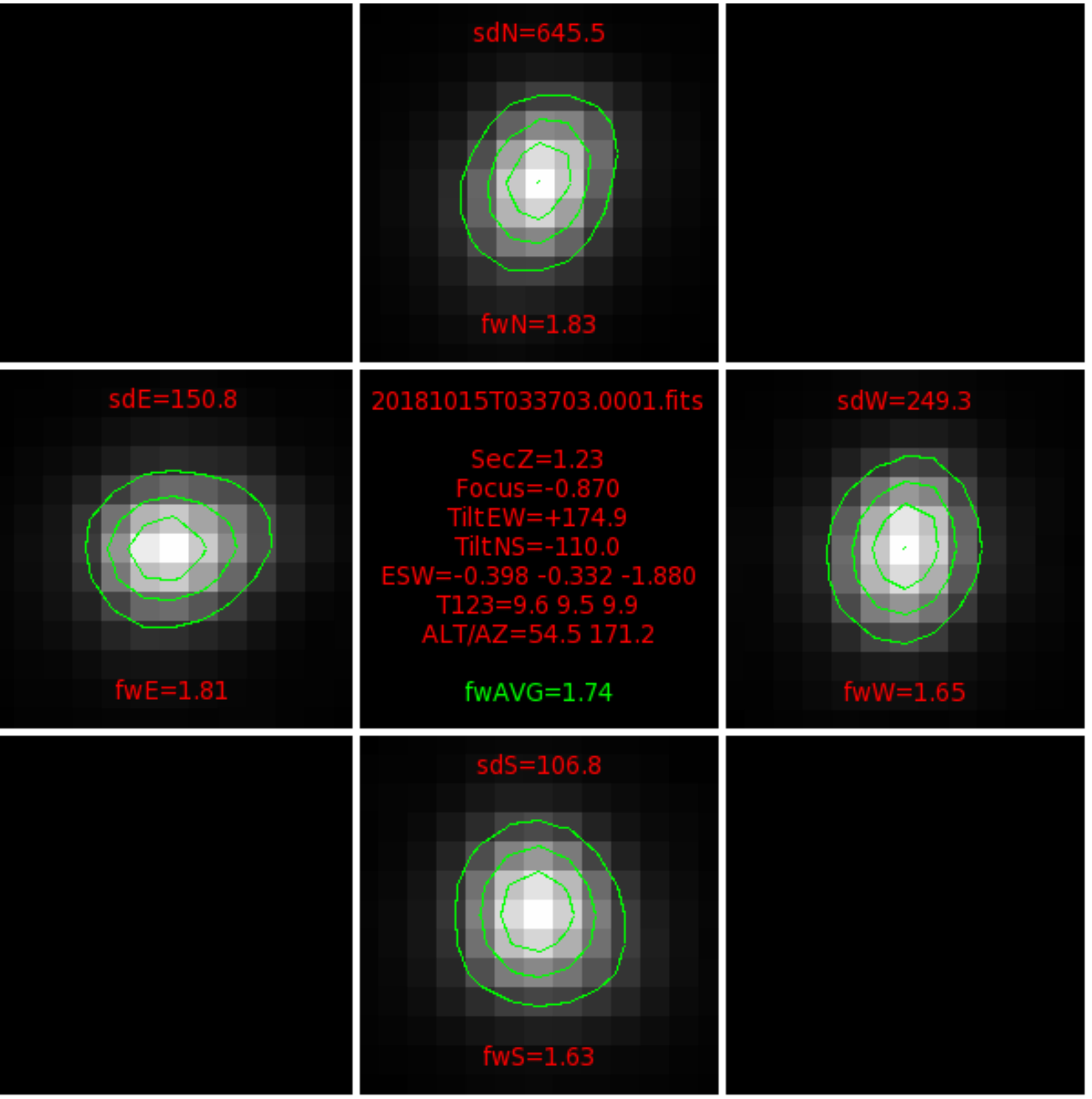
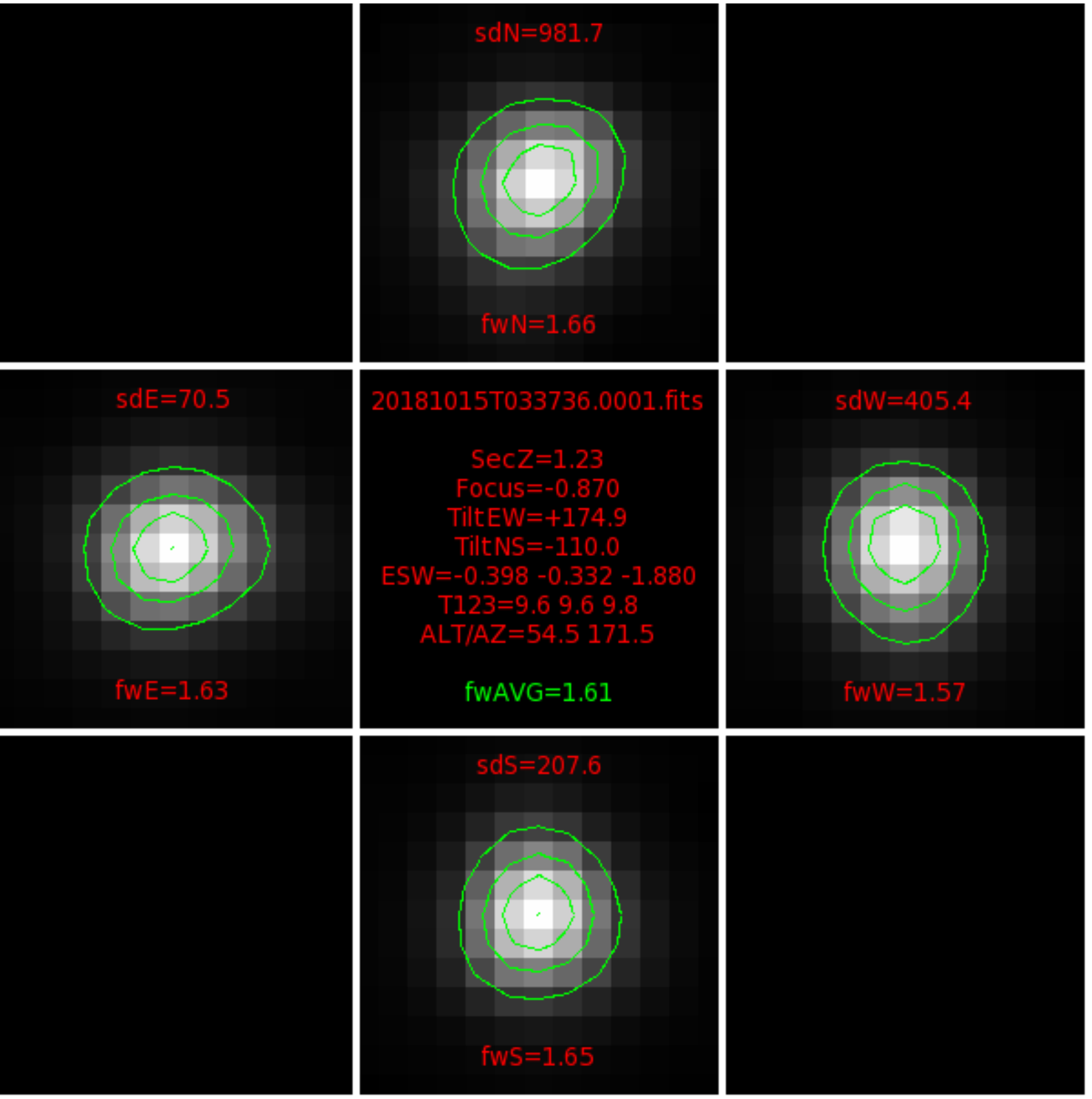
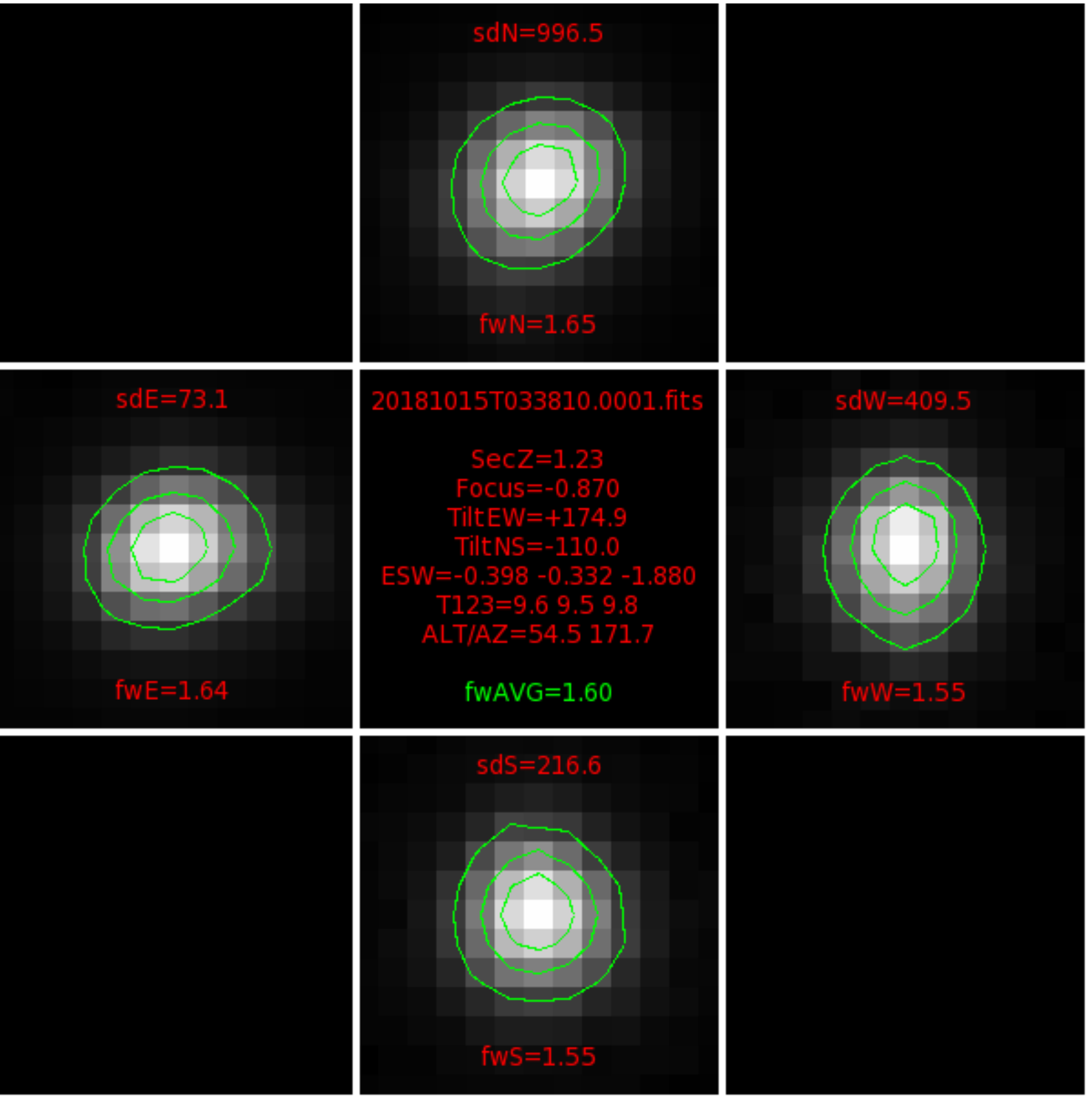
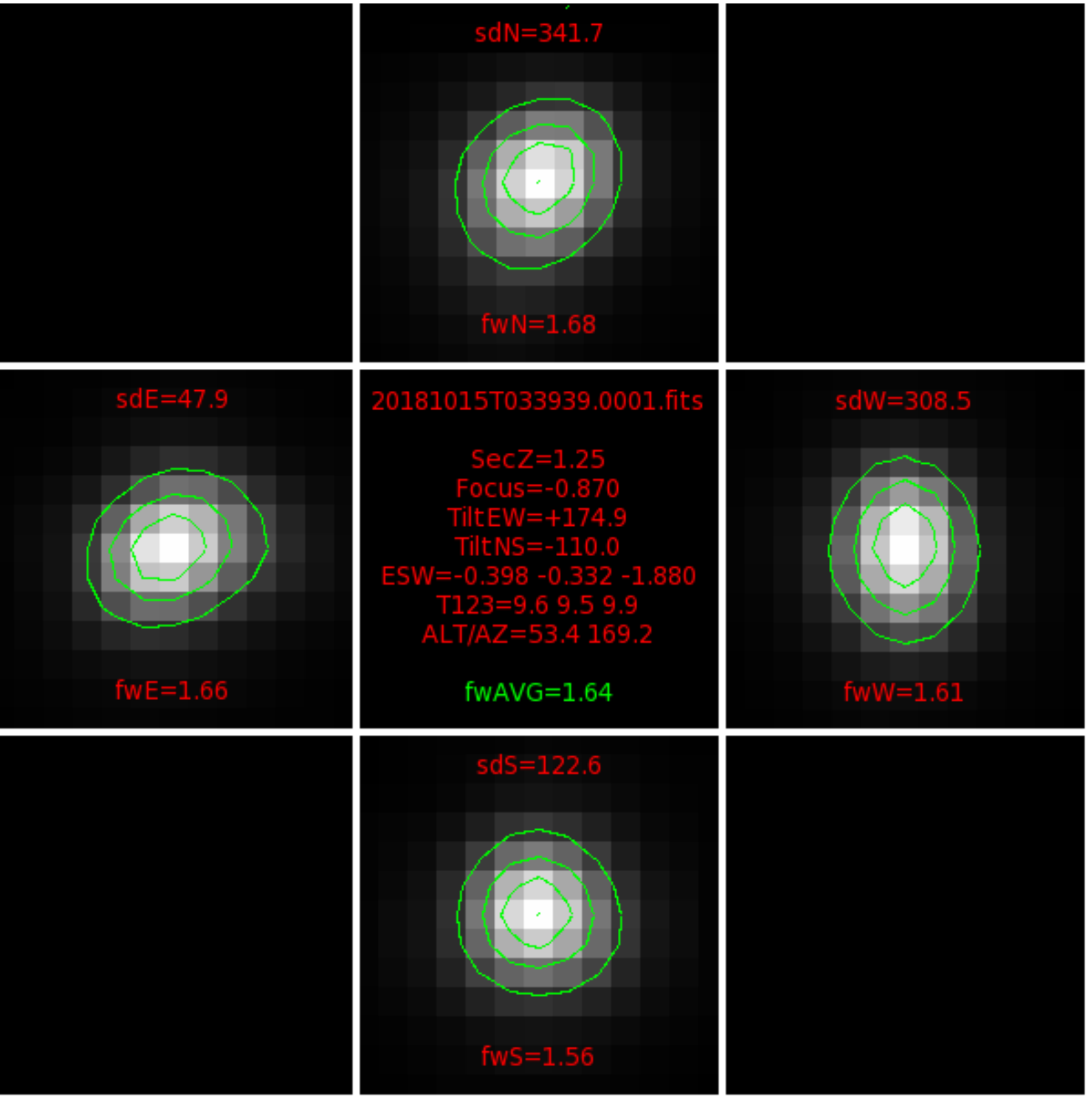

sdN=381.0
fwN=1.79
sdE=702.8
fwE=1.86
20181015T033510.0001.fits
SecZ=1.32
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.6 9.9
ALT/AZ=49.3 159.0
fwAVG=1.80
sdW=351.6
fwW=1.77
sdS=17.5
fwS=1.75
0 0 0 0 0 0 0 0 0


sdN=381.0
fwN=1.79
sdE=701.0
fwE=1.69
20181015T033543.0001.fits
SecZ=1.32
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.6 9.8
ALT/AZ=49.4 159.2
fwAVG=1.70
sdW=353.1
fwW=1.67
sdS=18.9
fwS=1.60
0 0 0 0 0 0 0 0 0


sdN=645.5
fwN=1.83
sdE=150.8
fwE=1.81
20181015T033703.0001.fits
SecZ=1.23
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.5 9.9
ALT/AZ=54.5 171.2
fwAVG=1.74
sdW=249.3
fwW=1.65
sdS=106.8
fwS=1.63
0 0 0 0 0 0 0 0 0


sdN=981.7
fwN=1.66
sdE=70.5
fwE=1.63
20181015T033736.0001.fits
SecZ=1.23
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.8
ALT/AZ=54.5 171.5
fwAVG=1.61
sdW=405.4
fwW=1.57
sdS=207.6
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=996.5
fwN=1.65
sdE=73.1
fwE=1.64
20181015T033810.0001.fits
SecZ=1.23
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.5 9.8
ALT/AZ=54.5 171.7
fwAVG=1.60
sdW=409.5
fwW=1.55
sdS=216.6
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=341.7
fwN=1.68
sdE=47.9
fwE=1.66
20181015T033939.0001.fits
SecZ=1.25
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.5 9.9
ALT/AZ=53.4 169.2
fwAVG=1.64
sdW=308.5
fwW=1.61
sdS=122.6
fwS=1.56
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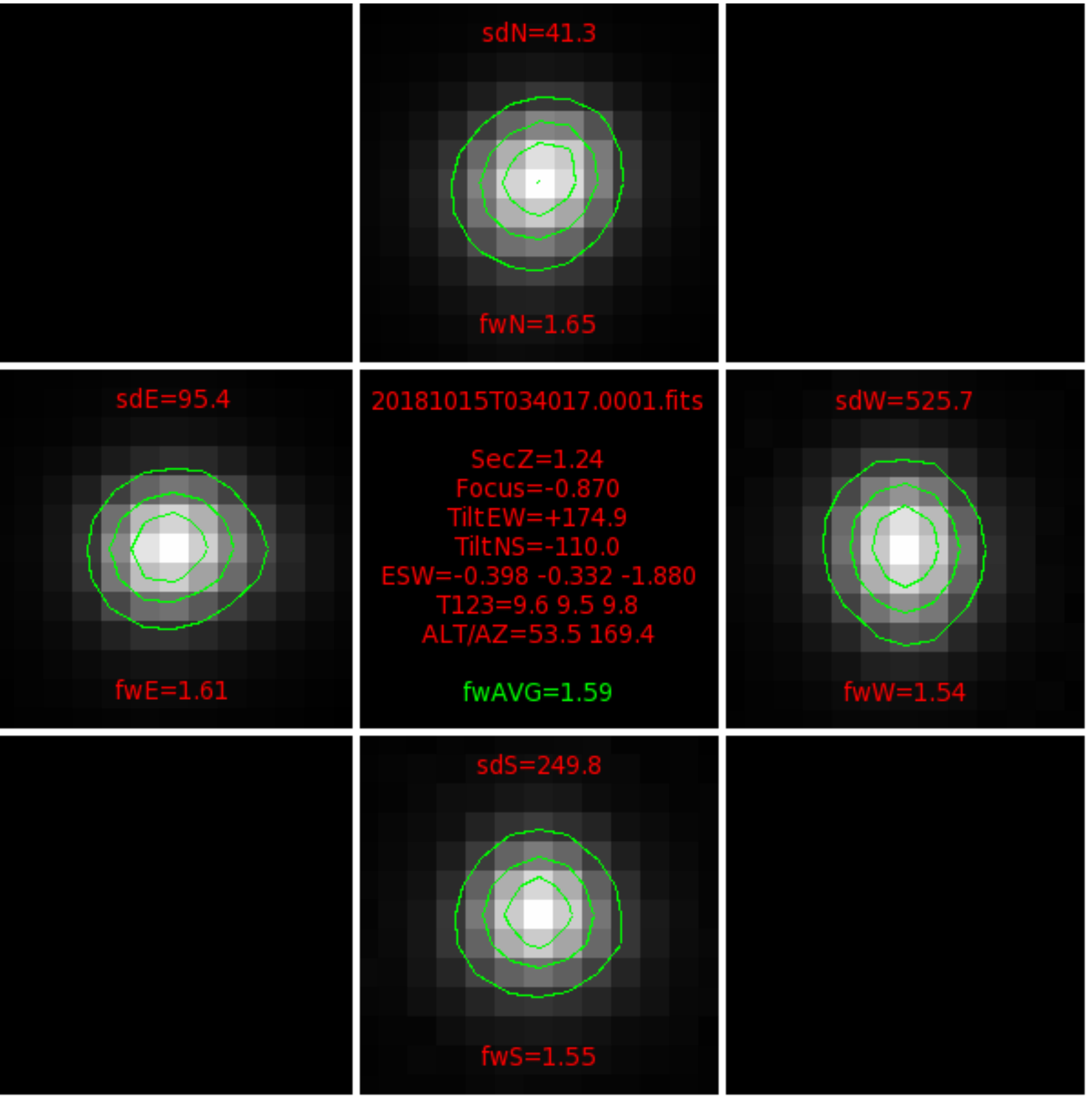
sdN=41.3
fwN=1.65
sdE=95.4
fwE=1.61
20181015T034017.0001.fits
SecZ=1.24
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.5 9.8
ALT/AZ=53.5 169.4
fwAVG=1.59
sdW=525.7
fwW=1.54
sdS=249.8
fwS=1.55
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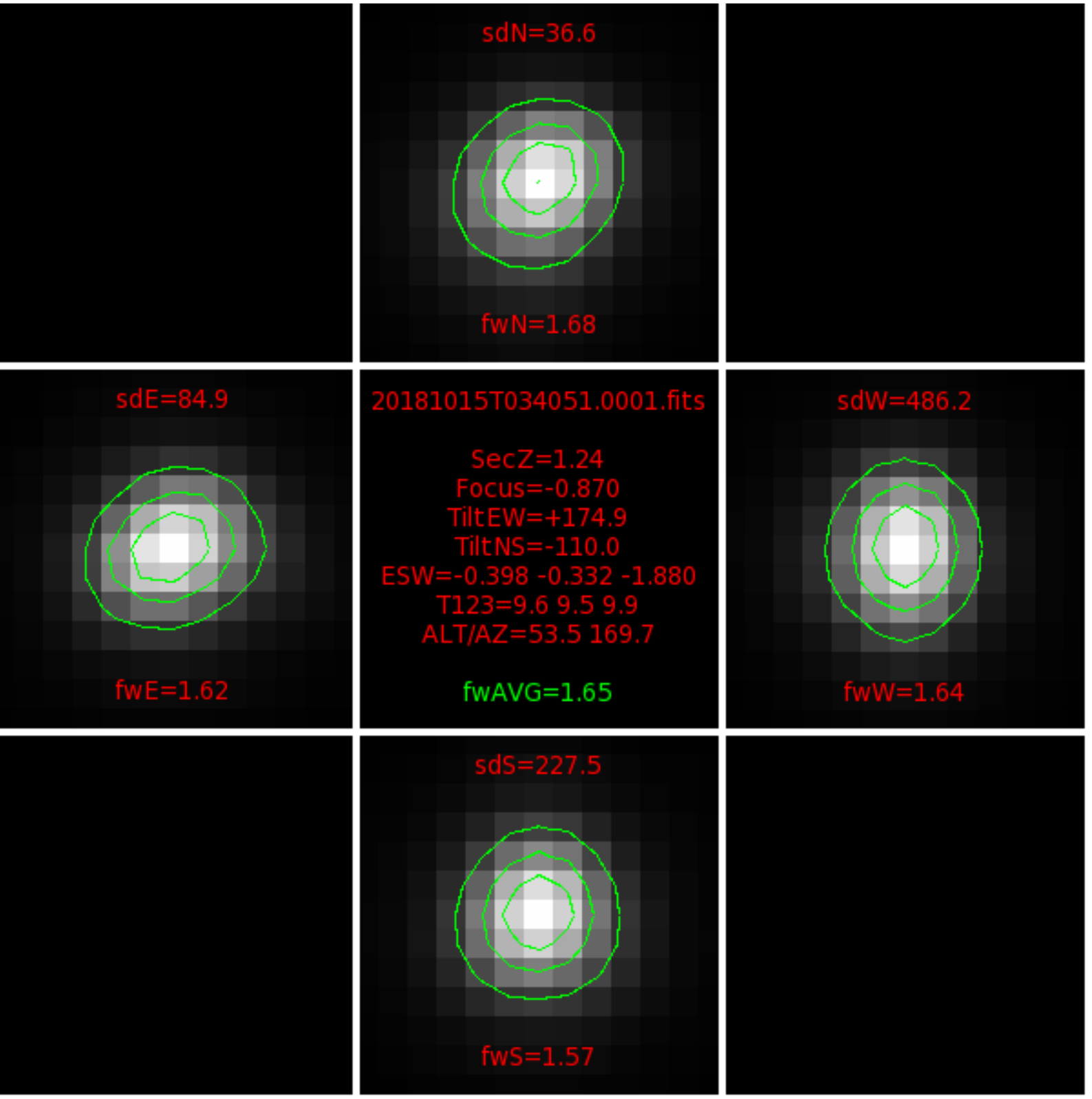
sdN=36.6
fwN=1.68
sdE=84.9
fwE=1.62
20181015T034051.0001.fits
SecZ=1.24
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.5 9.9
ALT/AZ=53.5 169.7
fwAVG=1.65
sdW=486.2
fwW=1.64
sdS=227.5
fwS=1.57
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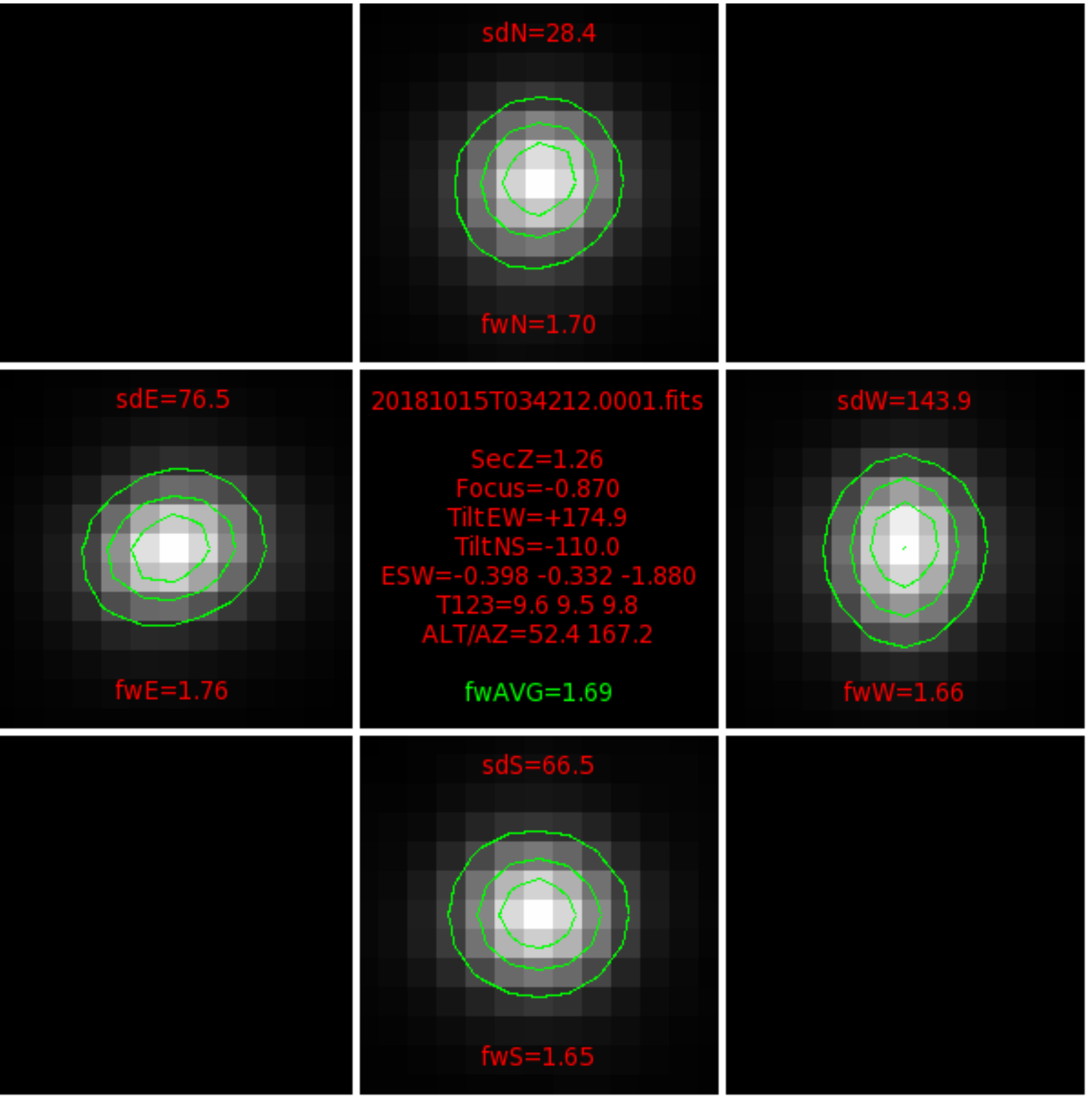
sdN=28.4
fwN=1.70
sdE=76.5
fwE=1.76
20181015T034212.0001.fits
SecZ=1.26
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.5 9.8
ALT/AZ=52.4 167.2
fwAVG=1.69
sdW=143.9
fwW=1.66
sdS=66.5
fwS=1.65
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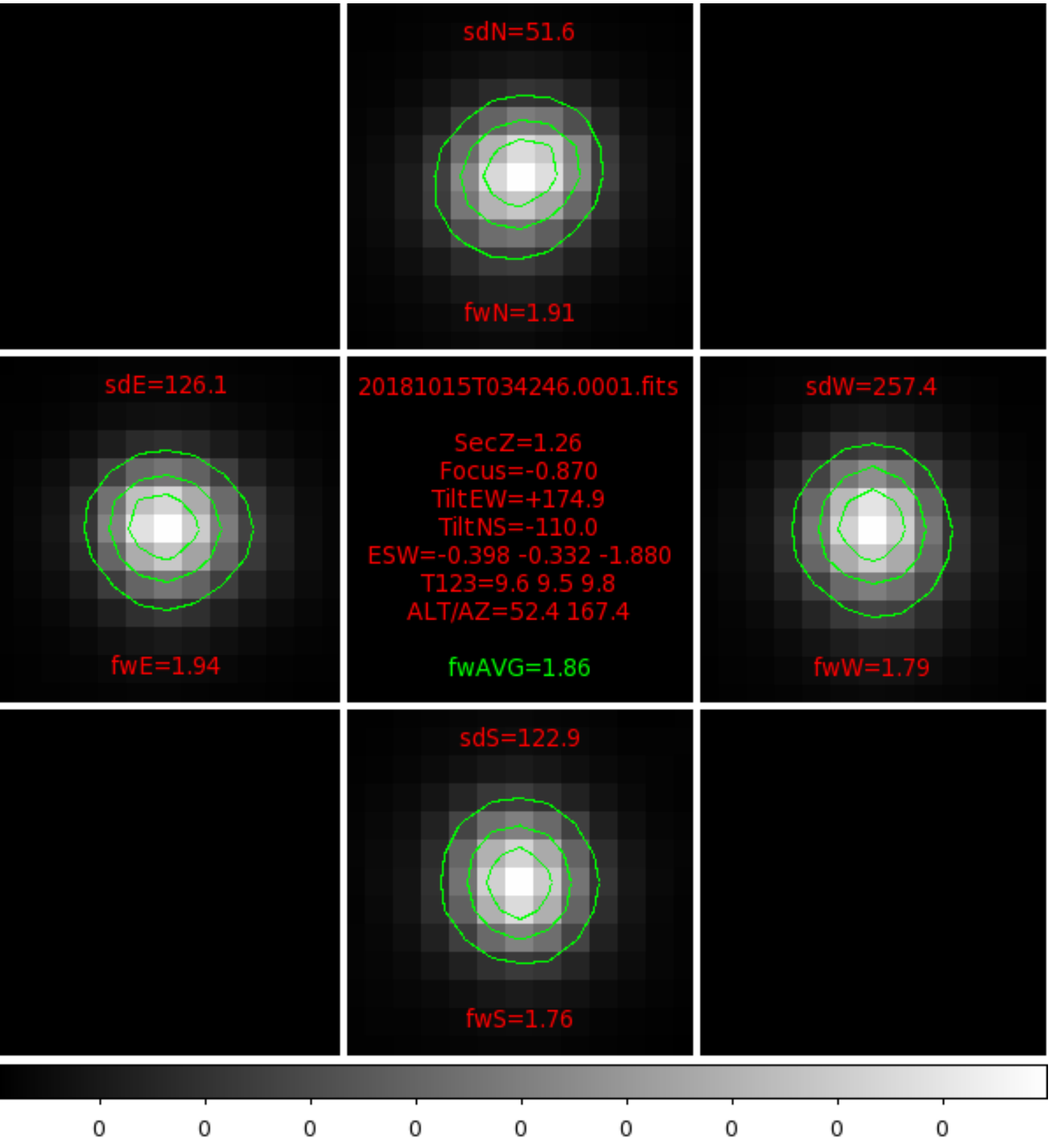
sdN=51.6
fwN=1.91
sdE=126.1
fwE=1.94
20181015T034246.0001.fits
SecZ=1.26
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.5 9.8
ALT/AZ=52.4 167.4
fwAVG=1.86
sdW=257.4
fwW=1.79
sdS=122.9
fwS=1.76
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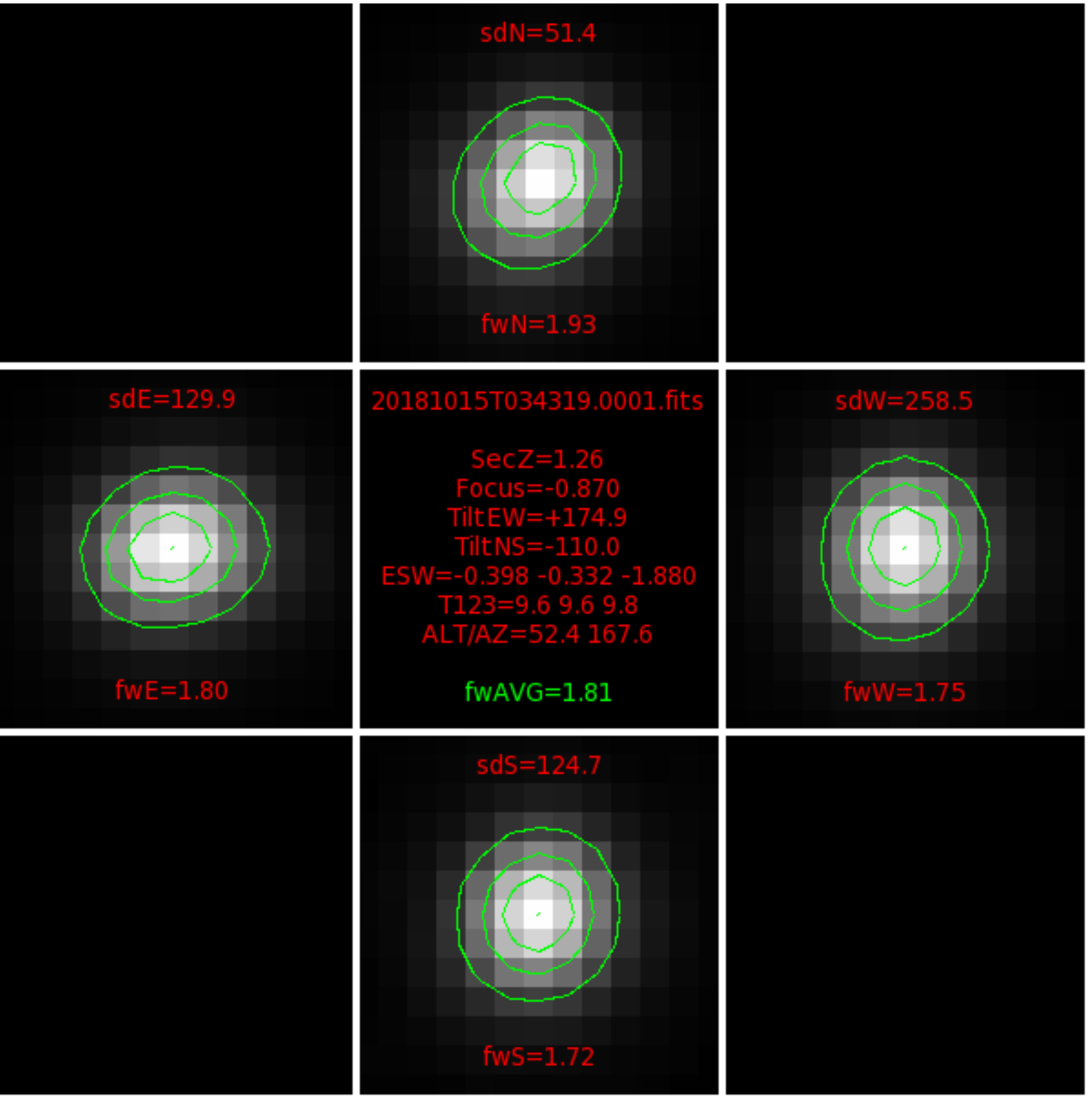
sdN=51.4
fwN=1.93
sdE=129.9
fwE=1.80
20181015T034319.0001.fits
SecZ=1.26
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.8
ALT/AZ=52.4 167.6
fwAVG=1.81
sdW=258.5
fwW=1.75
sdS=124.7
fwS=1.72
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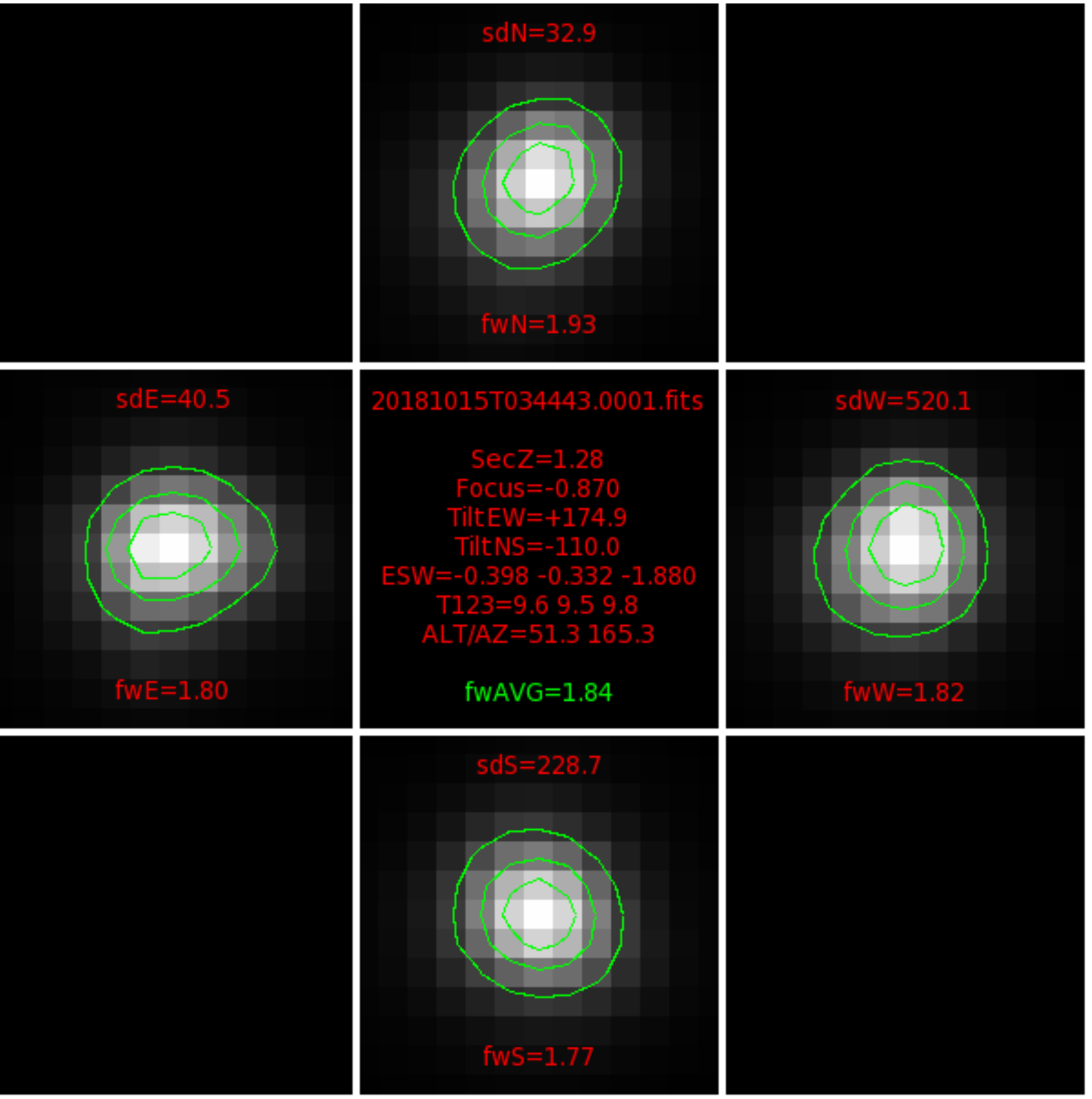
sdN=32.9
fwN=1.93
sdE=40.5
fwE=1.80
20181015T034443.0001.fits
SecZ=1.28
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.5 9.8
ALT/AZ=51.3 165.3
fwAVG=1.84
sdW=520.1
fwW=1.82
sdS=228.7
fwS=1.77
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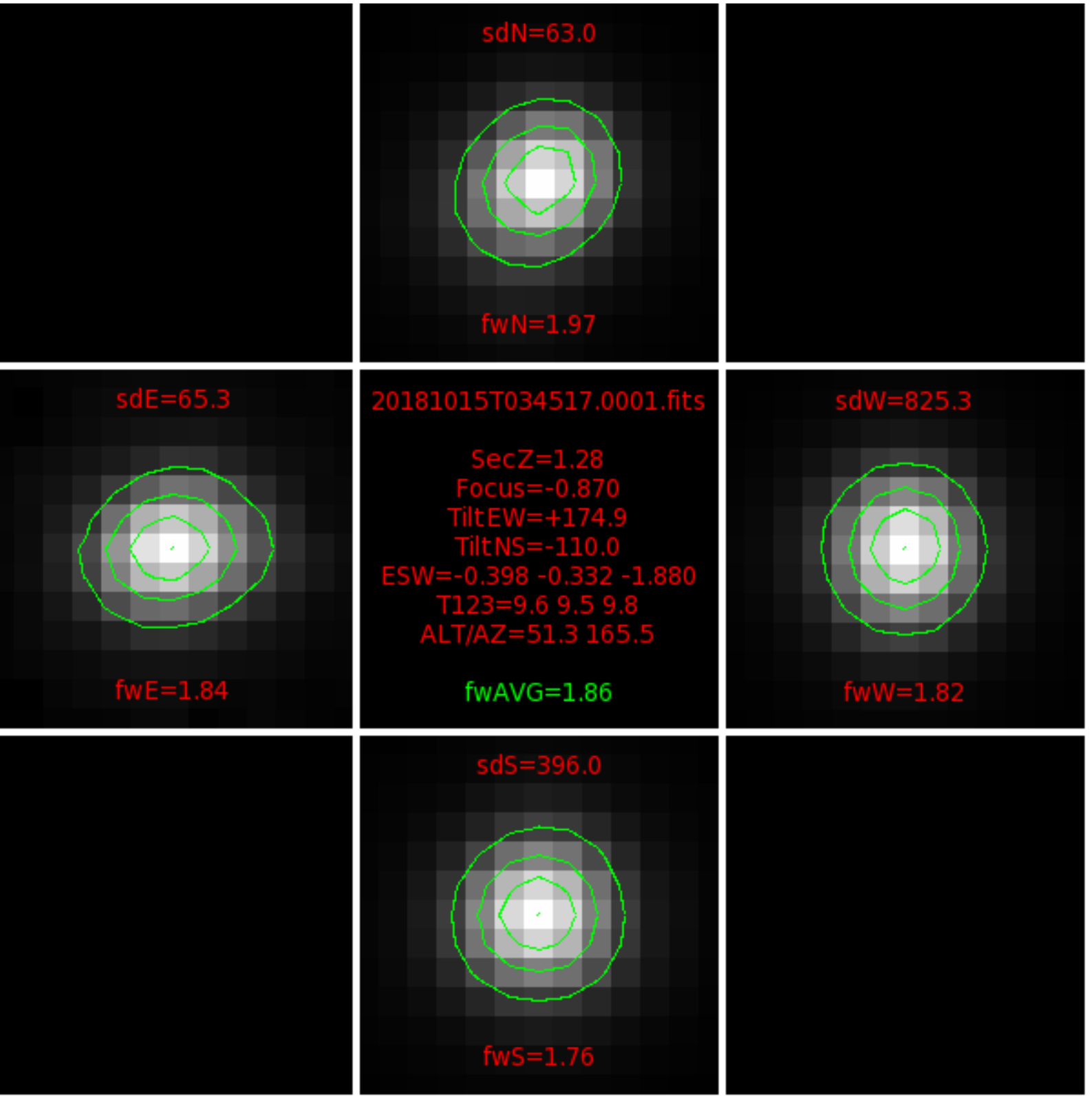
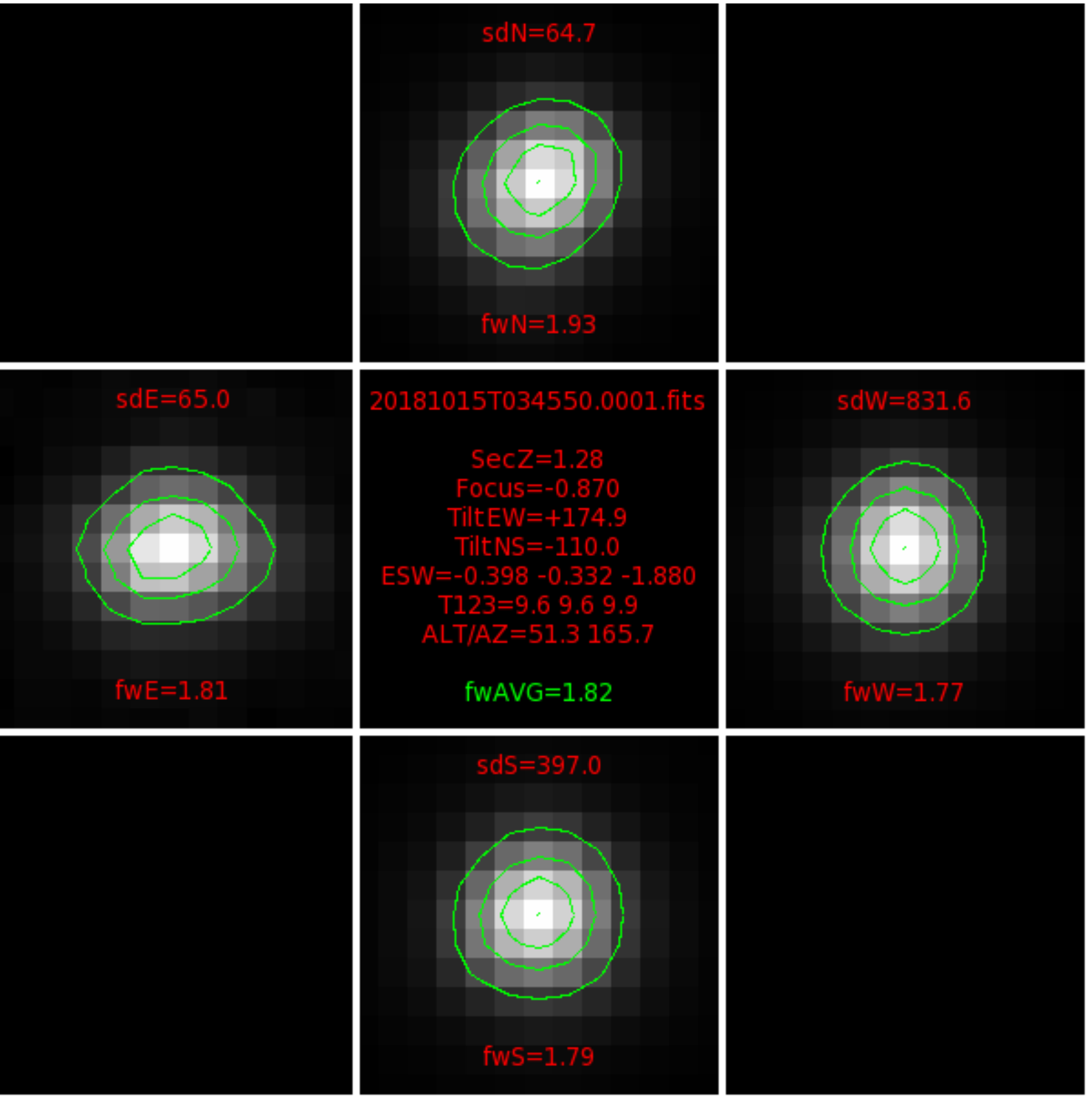
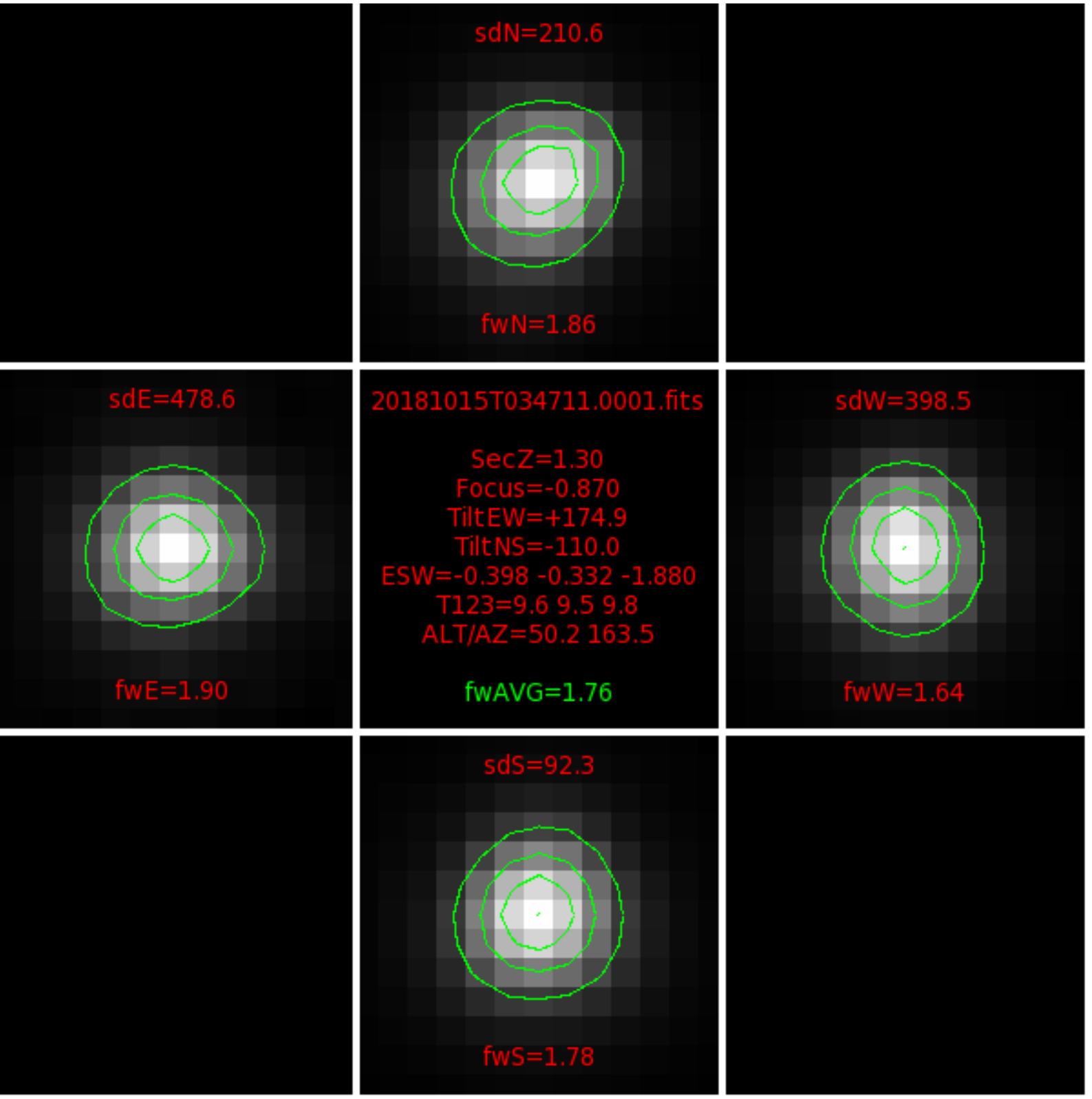

sdN=63.0
fwN=1.97
sdE=65.3
fwE=1.84
20181015T034517.0001.fits
SecZ=1.28
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.5 9.8
ALT/AZ=51.3 165.5
fwAVG=1.86
sdW=825.3
fwW=1.82
sdS=396.0
fwS=1.76
0 0 0 0 0 0 0 0 0


sdN=64.7
fwN=1.93
sdE=65.0
fwE=1.81
20181015T034550.0001.fits
SecZ=1.28
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.6 9.9
ALT/AZ=51.3 165.7
fwAVG=1.82
sdW=831.6
fwW=1.77
sdS=397.0
fwS=1.79
0 0 0 0 0 0 0 0 0


sdN=210.6
fwN=1.86
sdE=478.6
fwE=1.90
20181015T034711.0001.fits
SecZ=1.30
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.5 9.8
ALT/AZ=50.2 163.5
fwAVG=1.76
sdW=398.5
fwW=1.64
sdS=92.3
fwS=1.78
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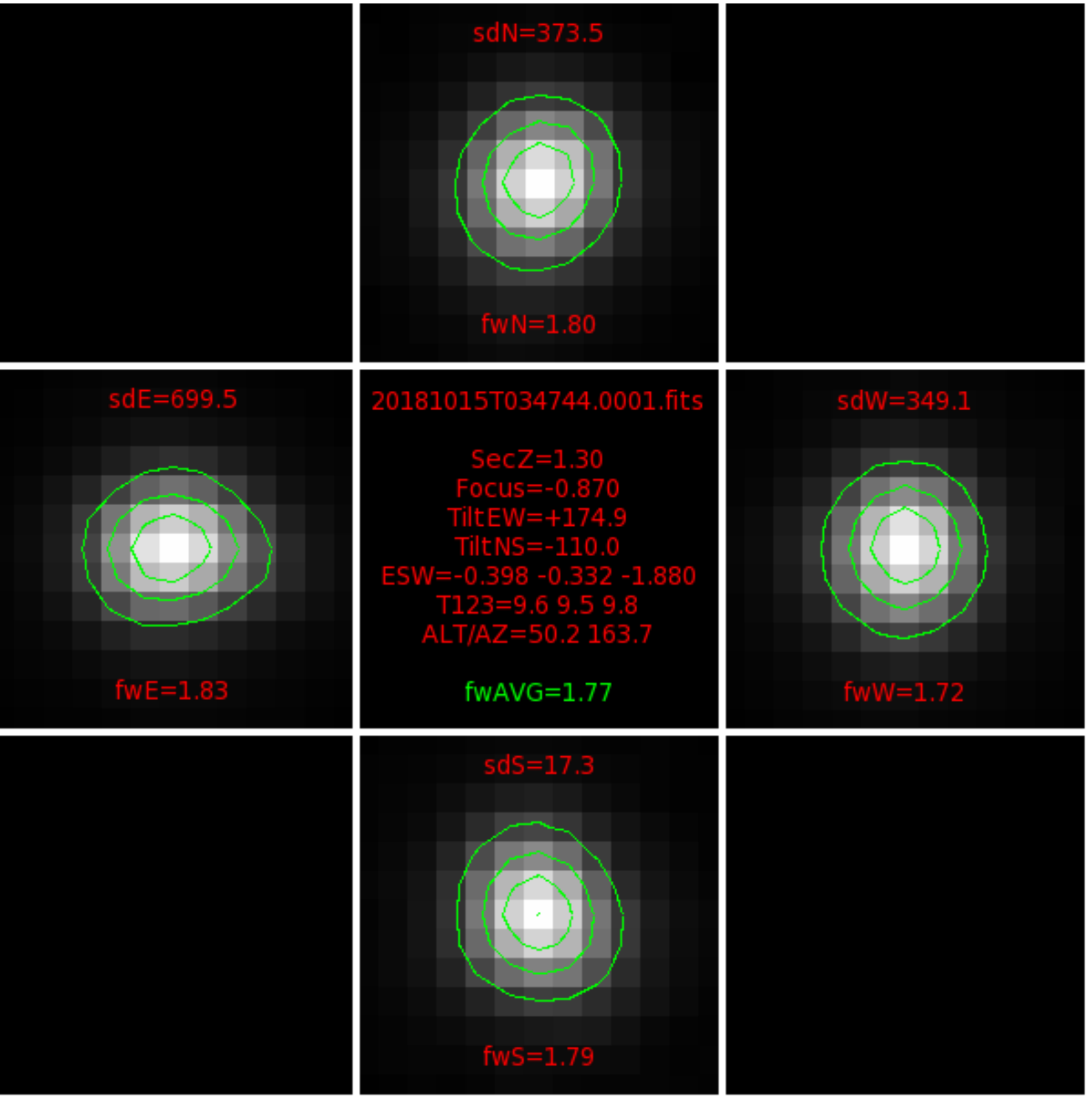
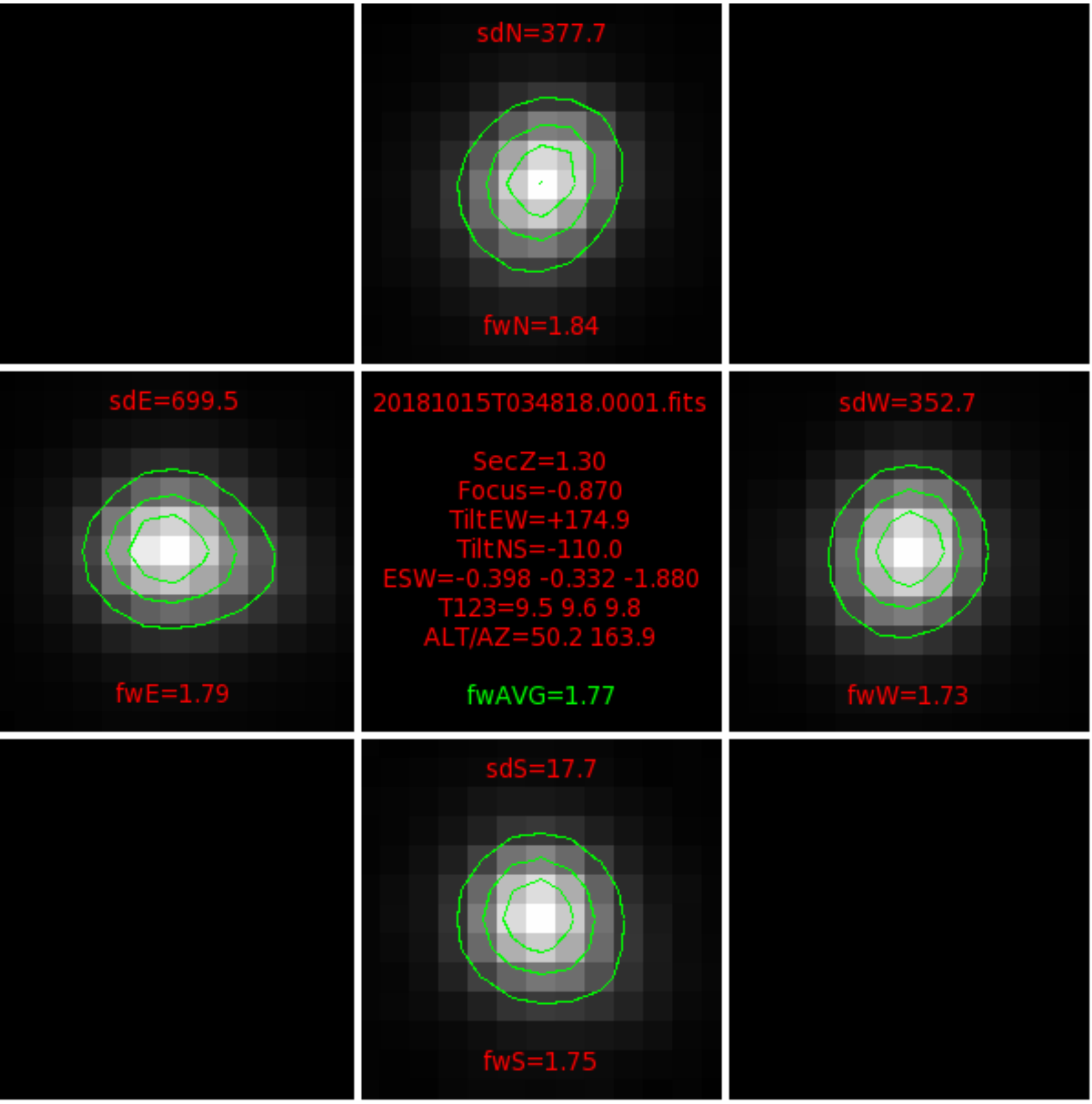

sdN=373.5
fwN=1.80
sdE=699.5
fwE=1.83
20181015T034744.0001.fits
SecZ=1.30
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.5 9.8
ALT/AZ=50.2 163.7
fwAVG=1.77
sdW=349.1
fwW=1.72
sdS=17.3
fwS=1.79
0 0 0 0 0 0 0 0 0


sdN=377.7
fwN=1.84
sdE=699.5
fwE=1.79
20181015T034818.0001.fits
SecZ=1.30
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.6 9.8
ALT/AZ=50.2 163.9
fwAVG=1.77
sdW=352.7
fwW=1.73
sdS=17.7
fwS=1.75
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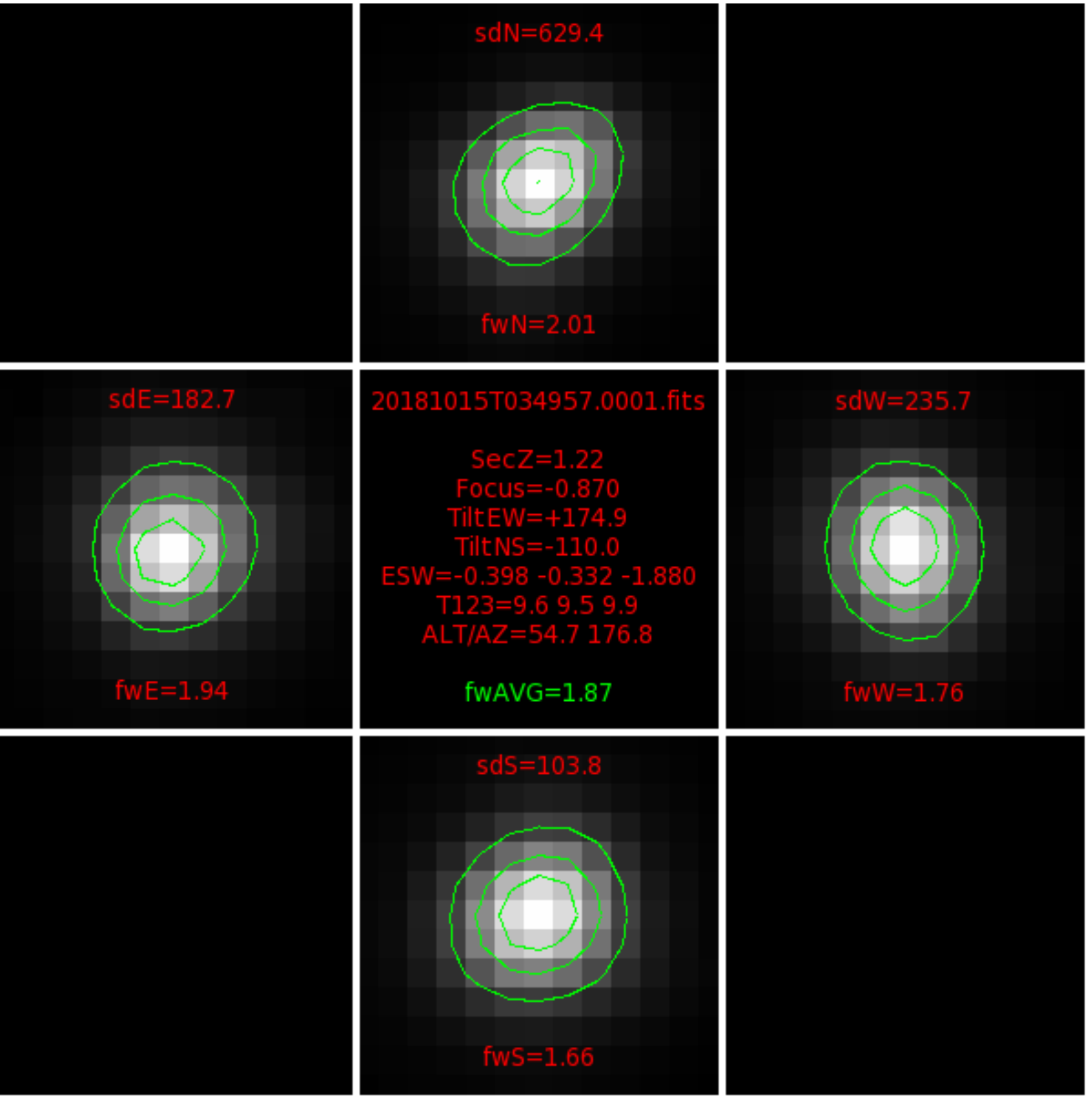
sdN=629.4
fwN=2.01
sdE=182.7
fwE=1.94
20181015T034957.0001.fits
SecZ=1.22
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.5 9.9
ALT/AZ=54.7 176.8
fwAVG=1.87
sdW=235.7
fwW=1.76
sdS=103.8
fwS=1.66
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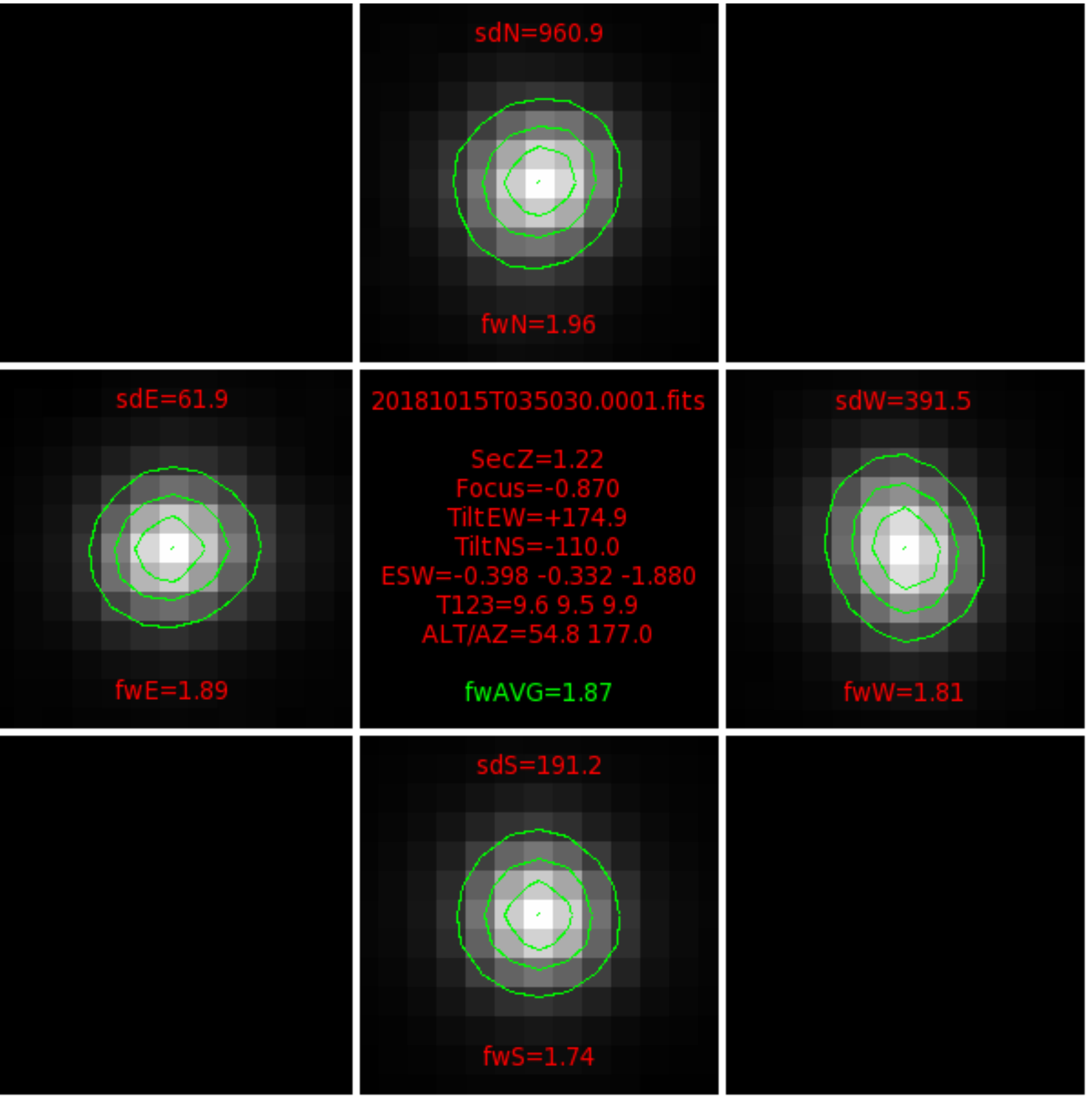
sdN=960.9
fwN=1.96
sdE=61.9
fwE=1.89
20181015T035030.0001.fits
SecZ=1.22
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.5 9.9
ALT/AZ=54.8 177.0
fwAVG=1.87
sdW=391.5
fwW=1.81
sdS=191.2
fwS=1.74
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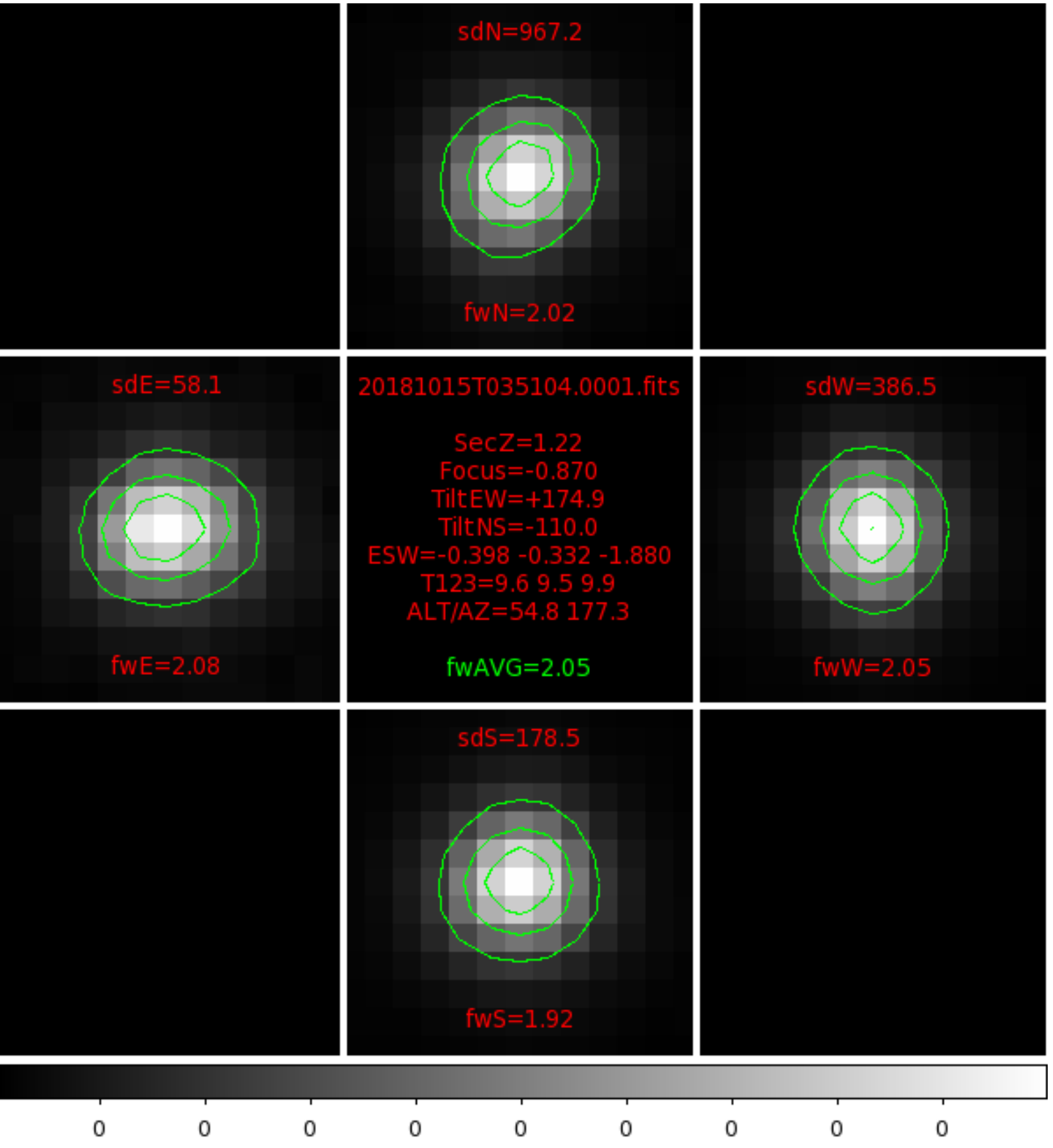
sdN=967.2
fwN=2.02
sdE=58.1
fwE=2.08
20181015T035104.0001.fits
SecZ=1.22
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.5 9.9
ALT/AZ=54.8 177.3
fwAVG=2.05
sdW=386.5
fwW=2.05
sdS=178.5
fwS=1.92
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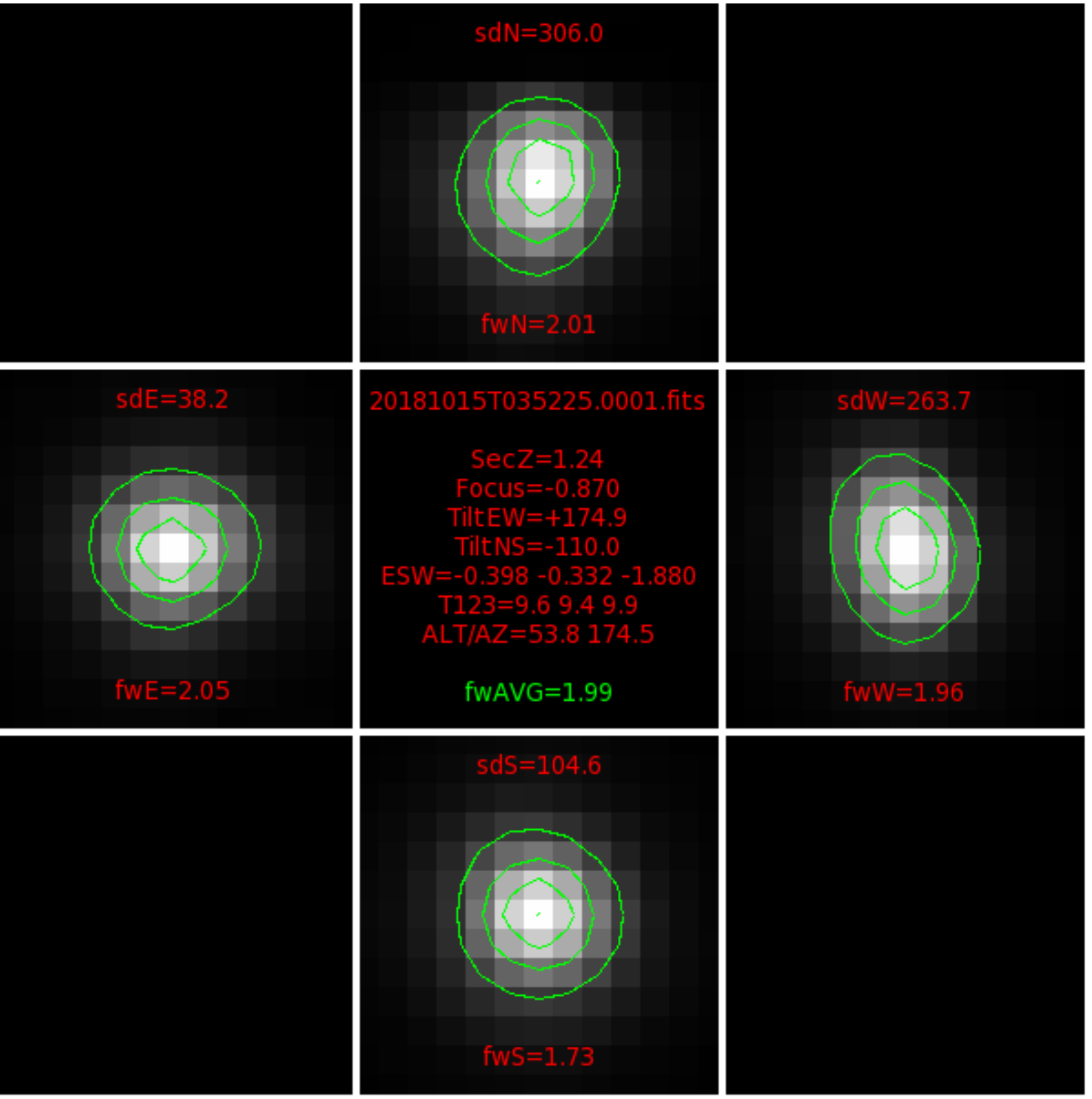
sdN=306.0
fwN=2.01
sdE=38.2
fwE=2.05
20181015T035225.0001.fits
SecZ=1.24
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.4 9.9
ALT/AZ=53.8 174.5
fwAVG=1.99
sdW=263.7
fwW=1.96
sdS=104.6
fwS=1.73
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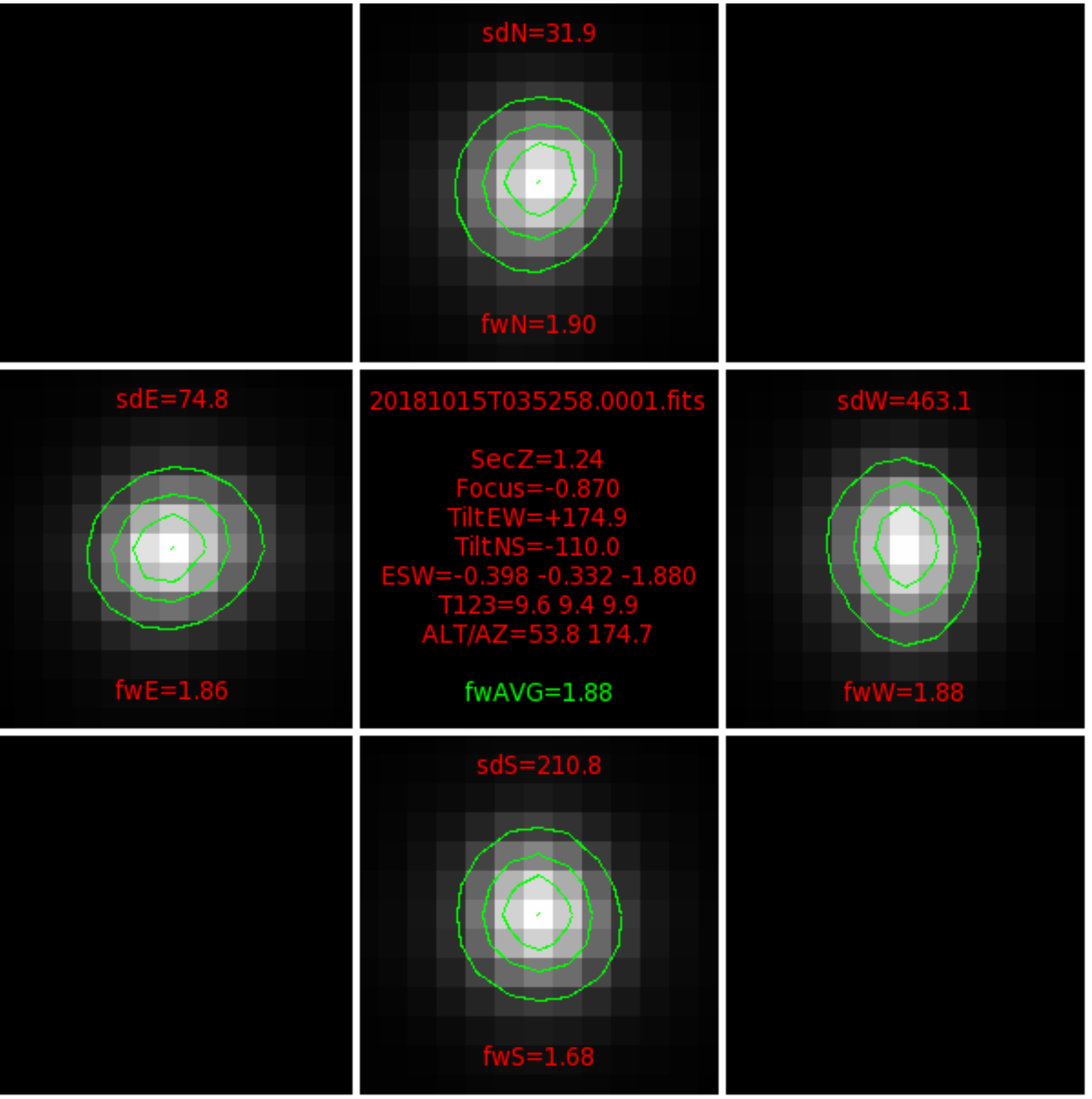
sdN=31.9
fwN=1.90
sdE=74.8
fwE=1.86
20181015T035258.0001.fits
SecZ=1.24
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.4 9.9
ALT/AZ=53.8 174.7
fwAVG=1.88
sdW=463.1
fwW=1.88
sdS=210.8
fwS=1.68
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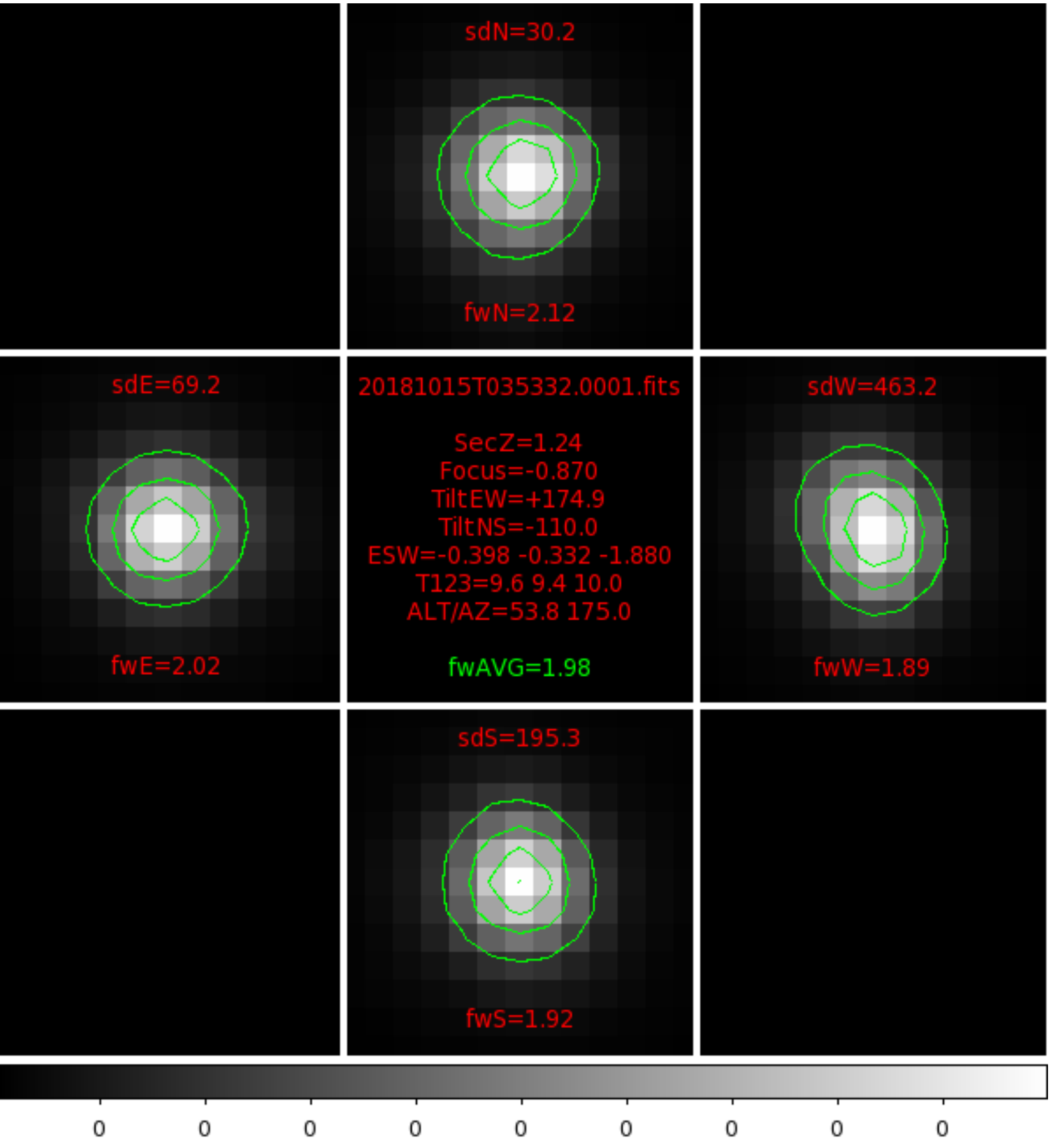
sdN=30.2
fwN=2.12
sdE=69.2
fwE=2.02
20181015T035332.0001.fits
SecZ=1.24
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.4 10.0
ALT/AZ=53.8 175.0
fwAVG=1.98
sdW=463.2
fwW=1.89
sdS=195.3
fwS=1.92
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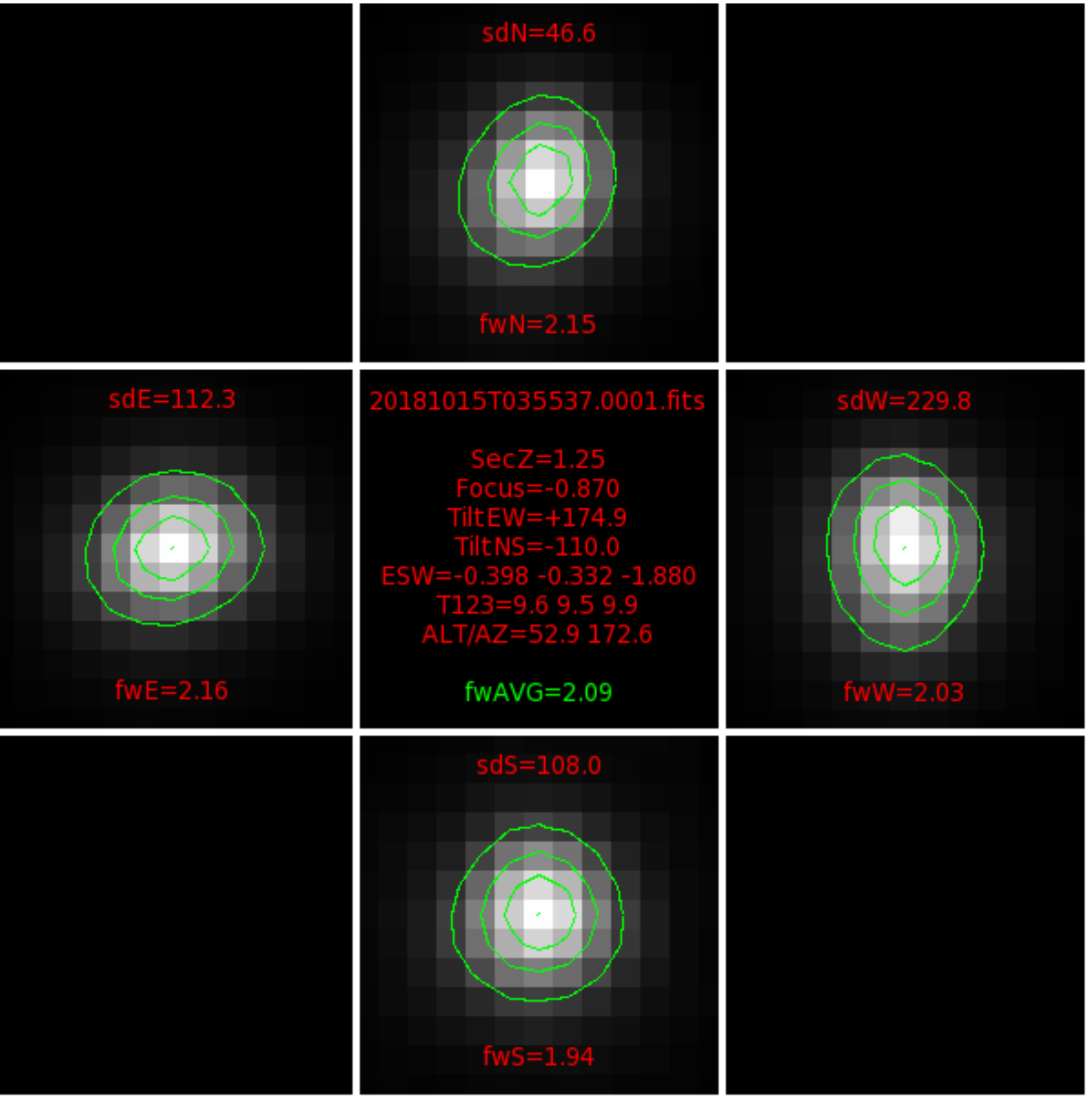
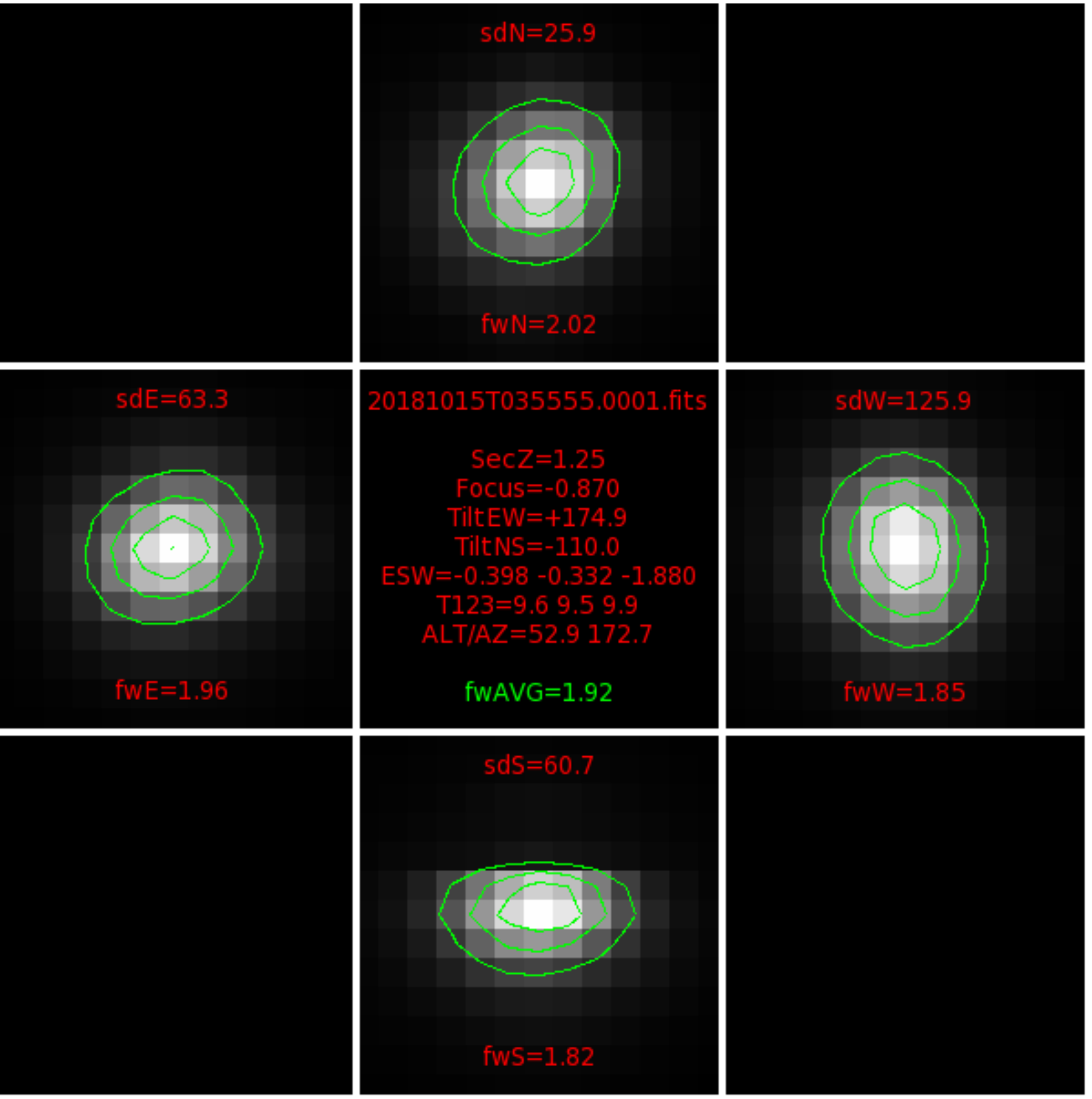

sdN=46.6
fwN=2.15
sdE=112.3
fwE=2.16
20181015T035537.0001.fits
SecZ=1.25
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.5 9.9
ALT/AZ=52.9 172.6
fwAVG=2.09
sdW=229.8
fwW=2.03
sdS=108.0
fwS=1.94
0 0 0 0 0 0 0 0 0


sdN=25.9
fwN=2.02
sdE=63.3
fwE=1.96
20181015T035555.0001.fits
SecZ=1.25
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.5 9.9
ALT/AZ=52.9 172.7
fwAVG=1.92
sdW=125.9
fwW=1.85
sdS=60.7
fwS=1.82
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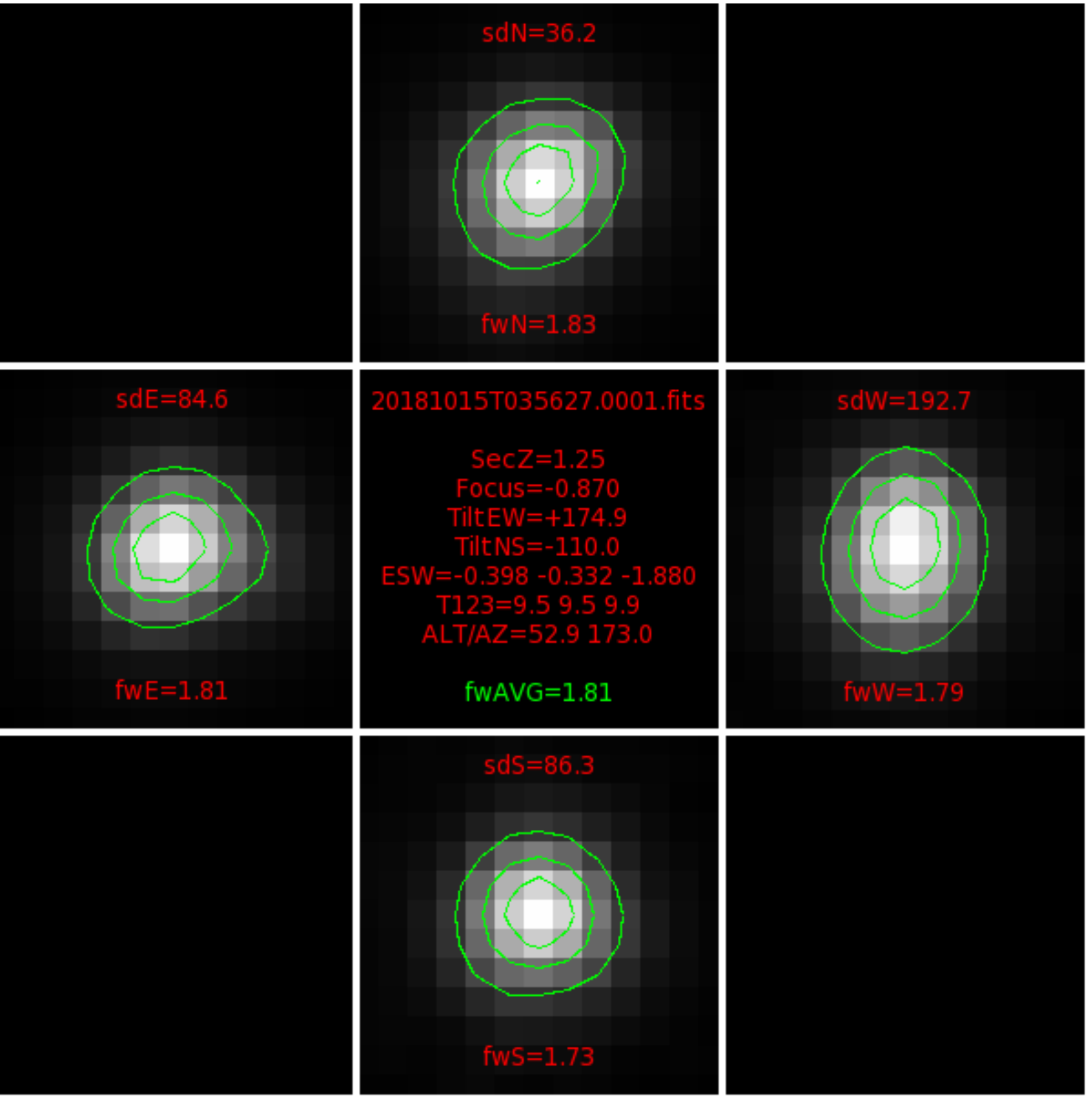
sdN=36.2
fwN=1.83
sdE=84.6
fwE=1.81
20181015T035627.0001.fits
SecZ=1.25
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.5 9.5 9.9
ALT/AZ=52.9 173.0
fwAVG=1.81
sdW=192.7
fwW=1.79
sdS=86.3
fwS=1.73
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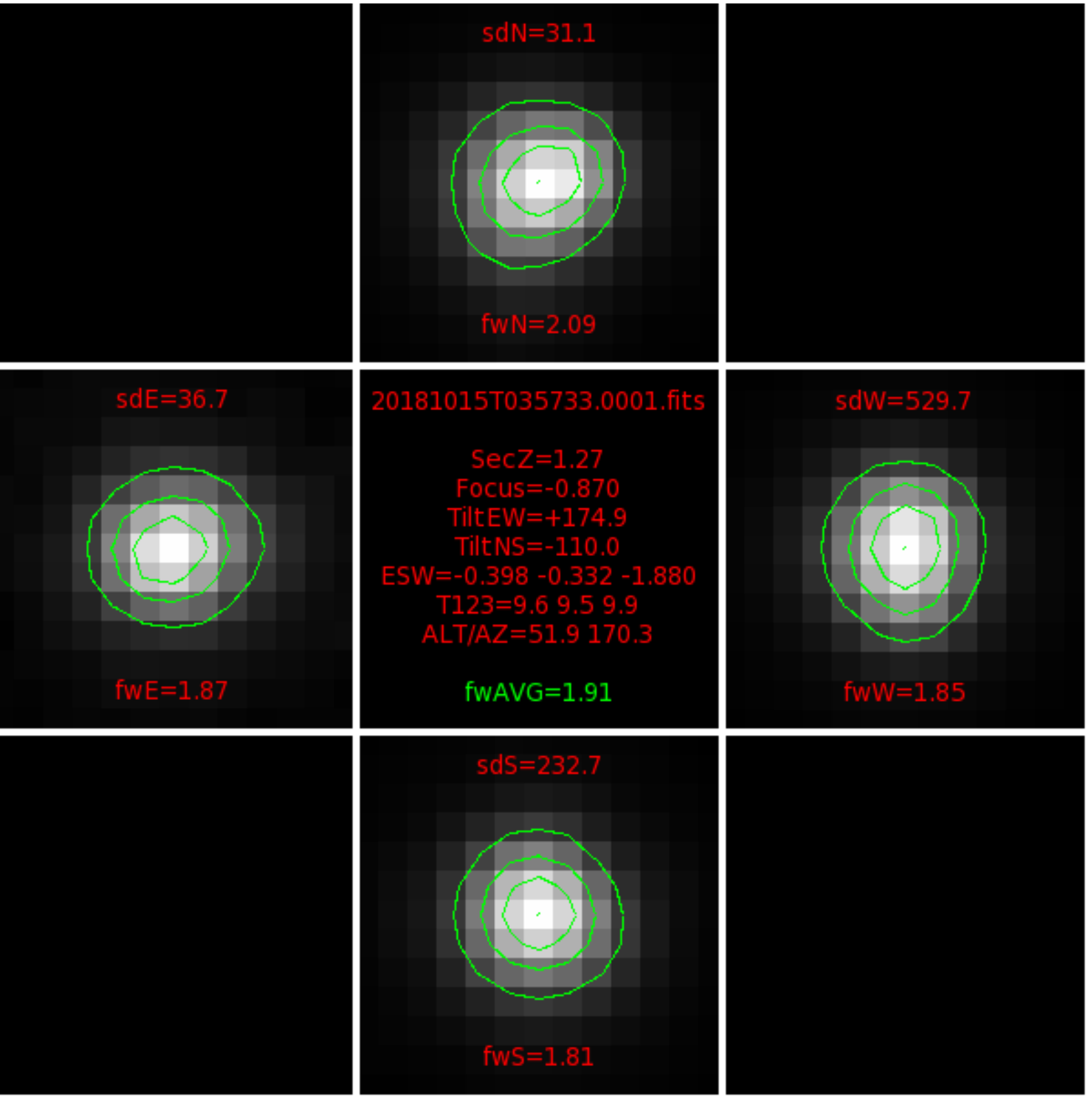
sdN=31.1
fwN=2.09
sdE=36.7
fwE=1.87
20181015T035733.0001.fits
SecZ=1.27
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.5 9.9
ALT/AZ=51.9 170.3
fwAVG=1.91
sdW=529.7
fwW=1.85
sdS=232.7
fwS=1.81
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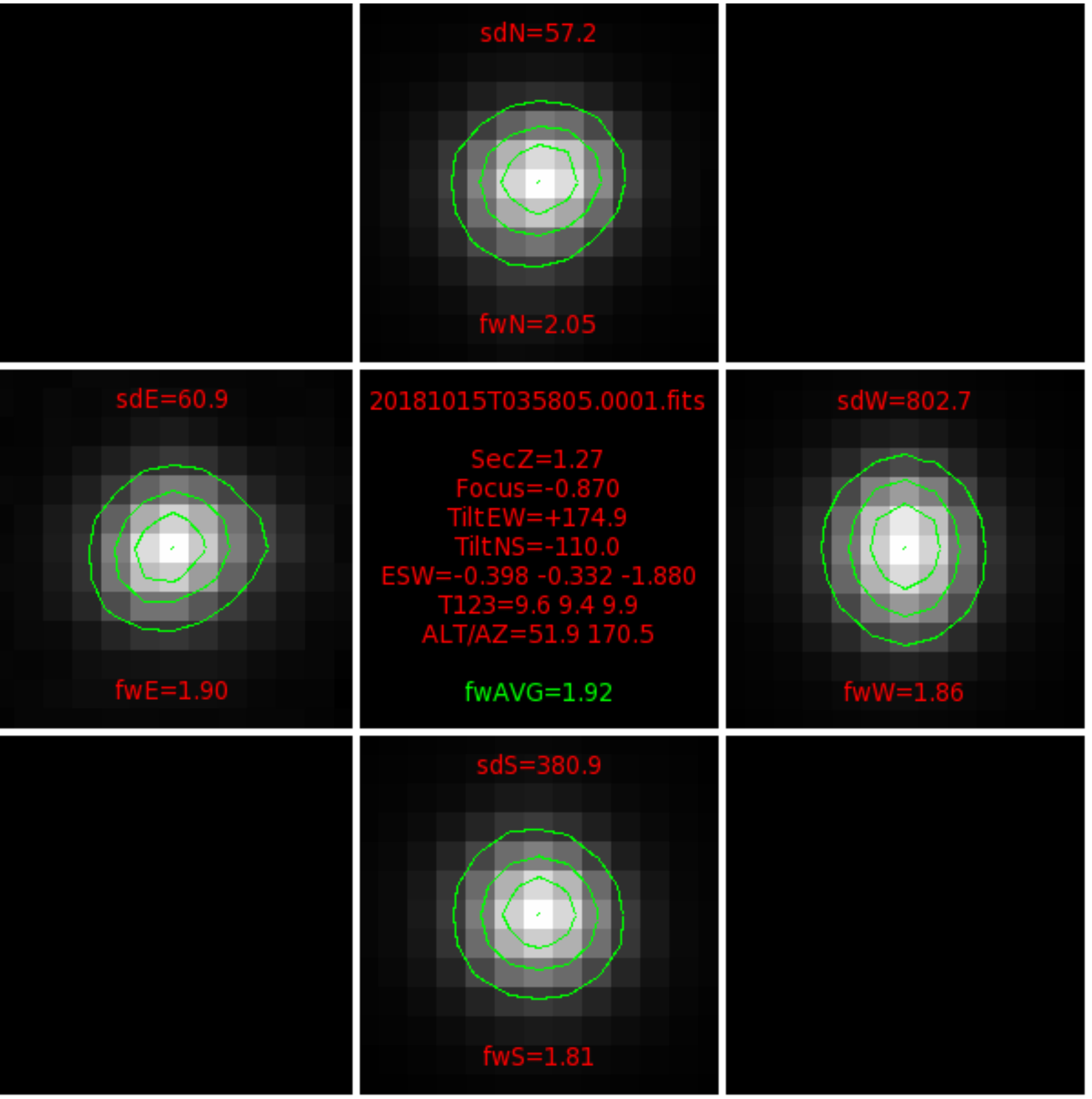
sdN=57.2
fwN=2.05
sdE=60.9
fwE=1.90
20181015T035805.0001.fits
SecZ=1.27
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.4 9.9
ALT/AZ=51.9 170.5
fwAVG=1.92
sdW=802.7
fwW=1.86
sdS=380.9
fwS=1.81
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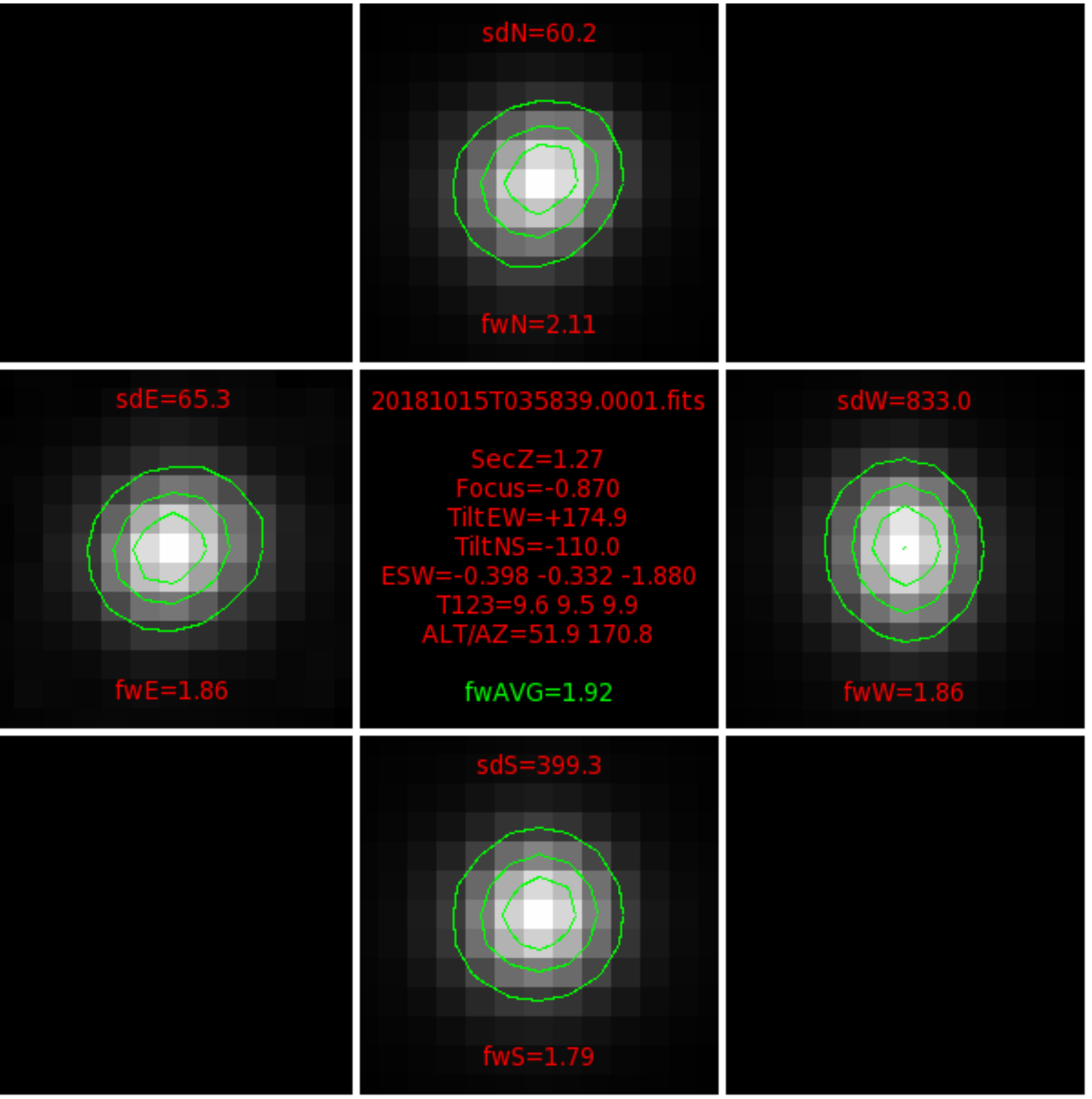
sdN=60.2
fwN=2.11
sdE=65.3
fwE=1.86
20181015T035839.0001.fits
SecZ=1.27
Focus=-0.870
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.398 -0.332 -1.880
T123=9.6 9.5 9.9
ALT/AZ=51.9 170.8
fwAVG=1.92
sdW=833.0
fwW=1.86
sdS=399.3
fwS=1.79
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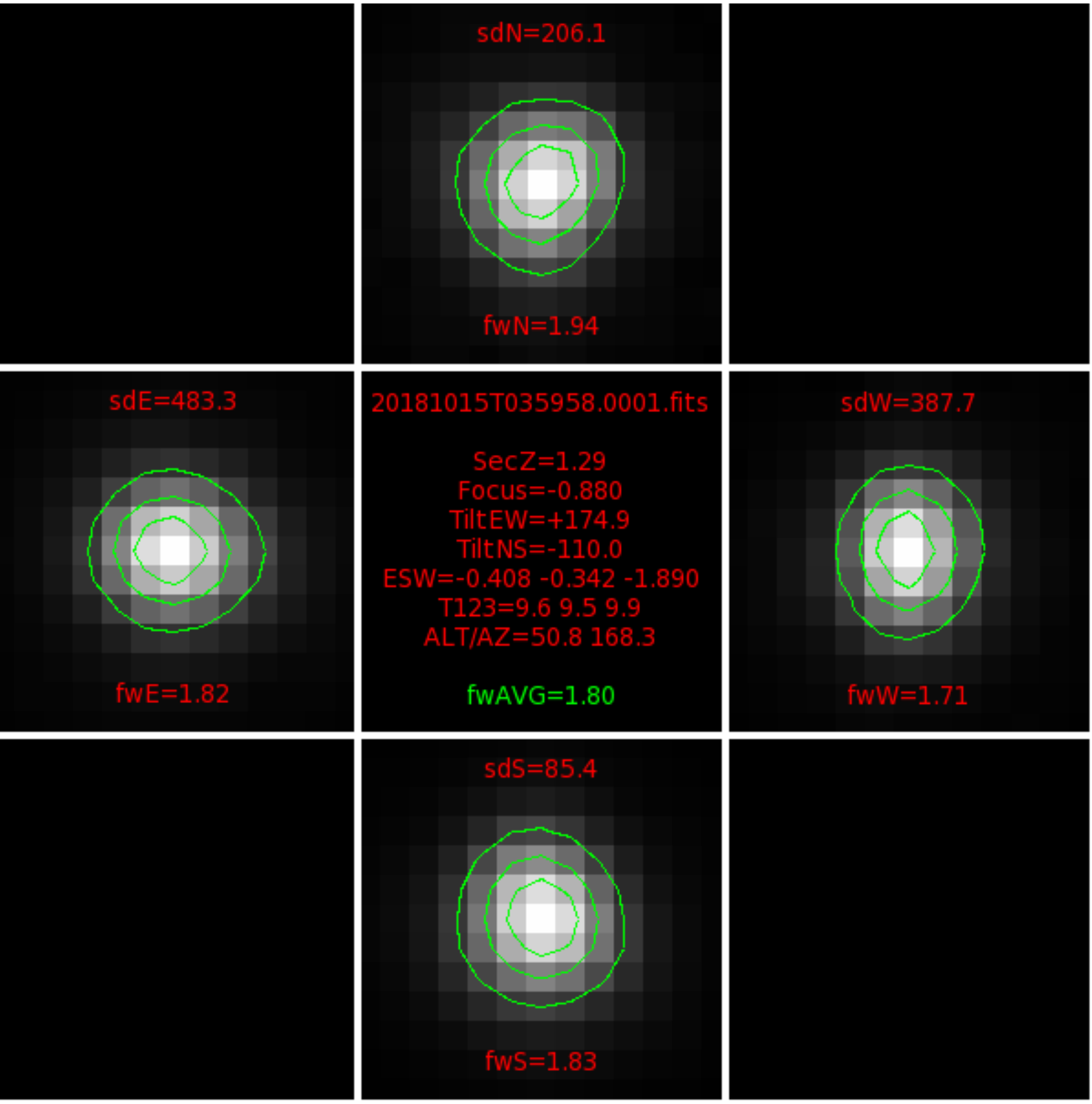
sdN=206.1
fwN=1.94
sdE=483.3
fwE=1.82
20181015T035958.0001.fits
SecZ=1.29
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.6 9.5 9.9
ALT/AZ=50.8 168.3
fwAVG=1.80
sdW=387.7
fwW=1.71
sdS=85.4
fwS=1.83
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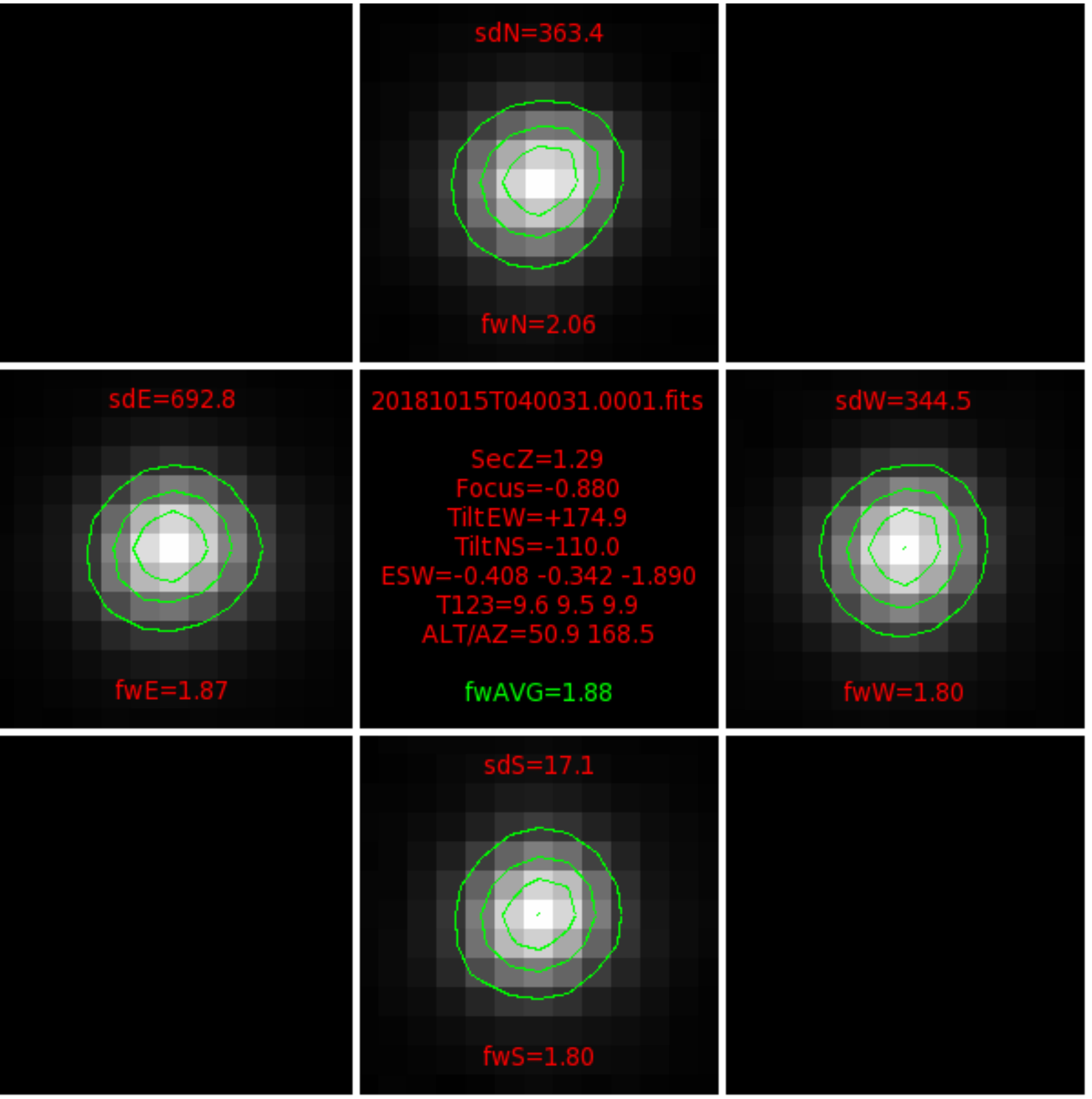
sdN=363.4
fwN=2.06
sdE=692.8
fwE=1.87
20181015T040031.0001.fits
SecZ=1.29
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.6 9.5 9.9
ALT/AZ=50.9 168.5
fwAVG=1.88
sdW=344.5
fwW=1.80
sdS=17.1
fwS=1.80
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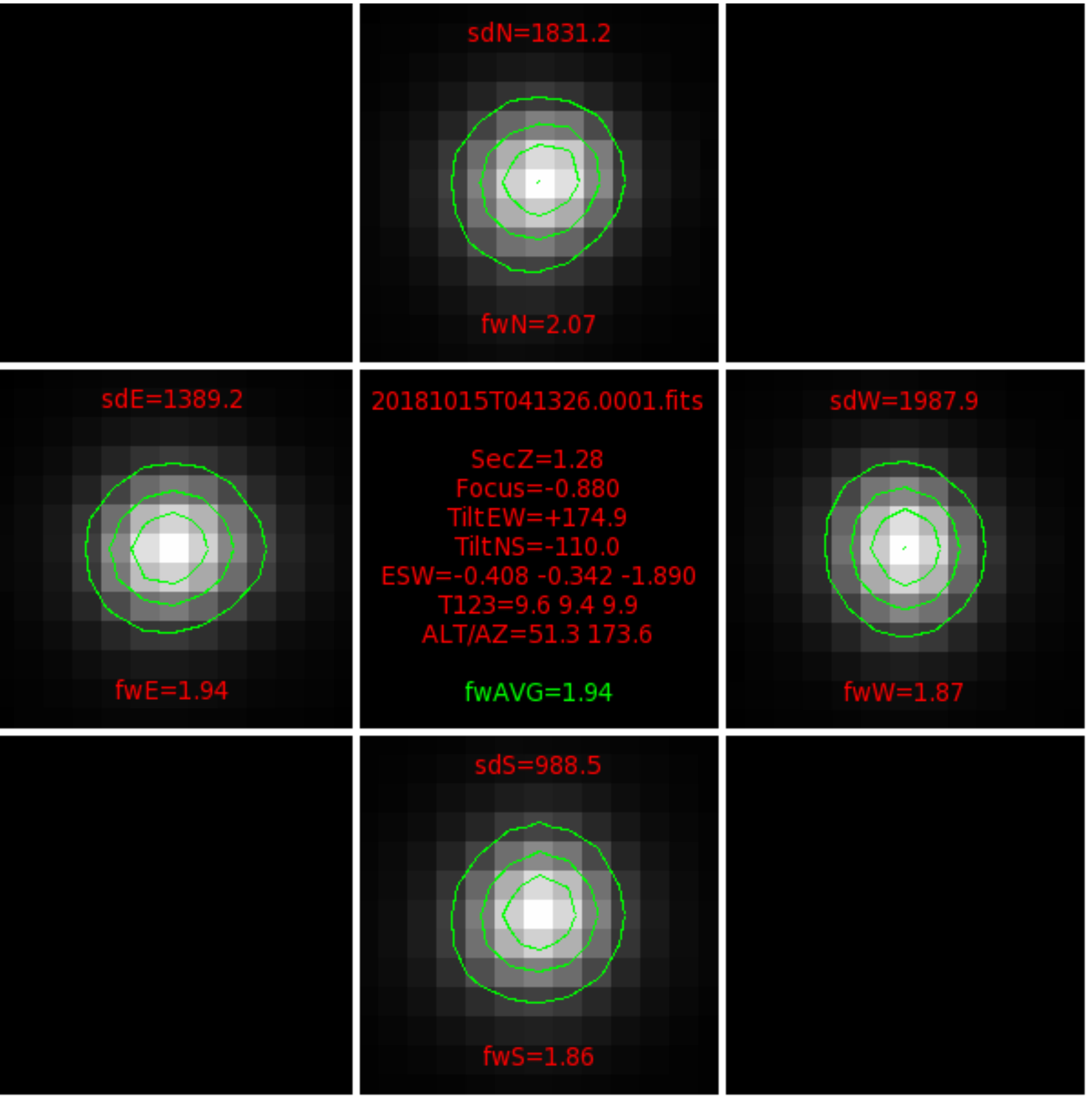
sdN=1831.2
fwN=2.07
sdE=1389.2
fwE=1.94
20181015T041326.0001.fits
SecZ=1.28
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.6 9.4 9.9
ALT/AZ=51.3 173.6
fwAVG=1.94
sdW=1987.9
fwW=1.87
sdS=988.5
fwS=1.86
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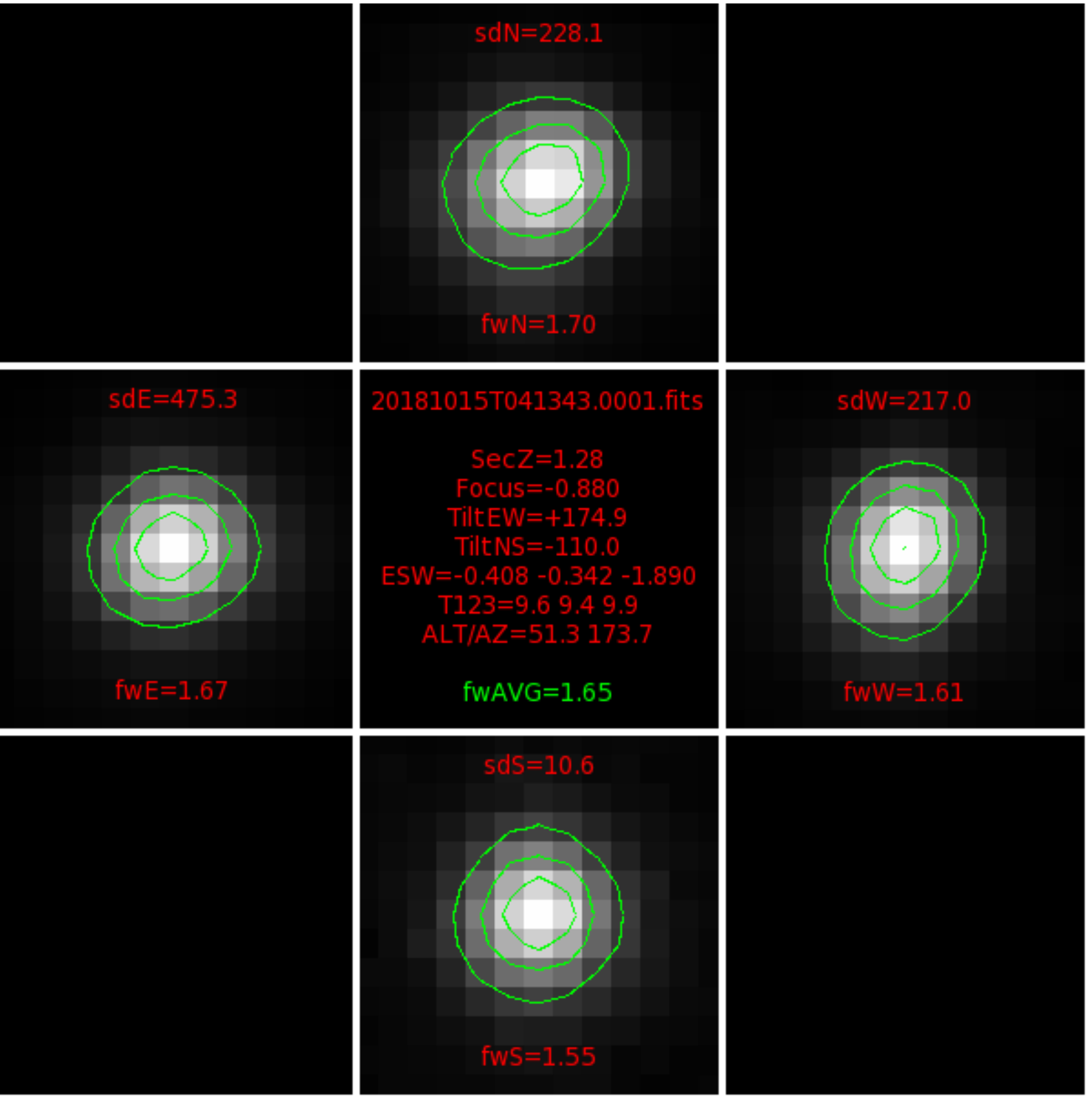
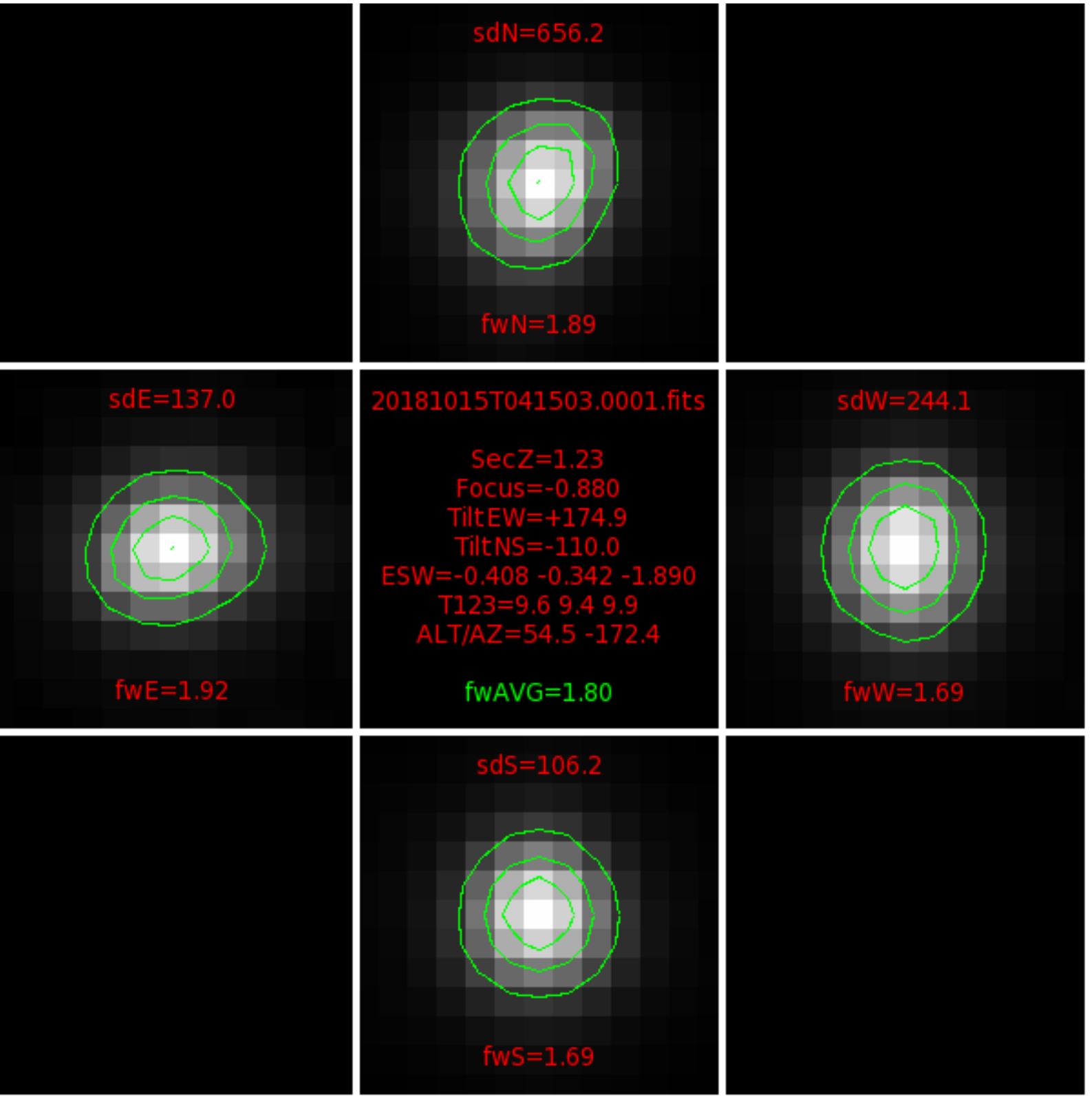

sdN=228.1
fwN=1.70
sdE=475.3
fwE=1.67
20181015T041343.0001.fits
SecZ=1.28
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.6 9.4 9.9
ALT/AZ=51.3 173.7
fwAVG=1.65
sdW=217.0
fwW=1.61
sdS=10.6
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=656.2
fwN=1.89
sdE=137.0
fwE=1.92
20181015T041503.0001.fits
SecZ=1.23
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.6 9.4 9.9
ALT/AZ=54.5 -172.4
fwAVG=1.80
sdW=244.1
fwW=1.69
sdS=106.2
fwS=1.69
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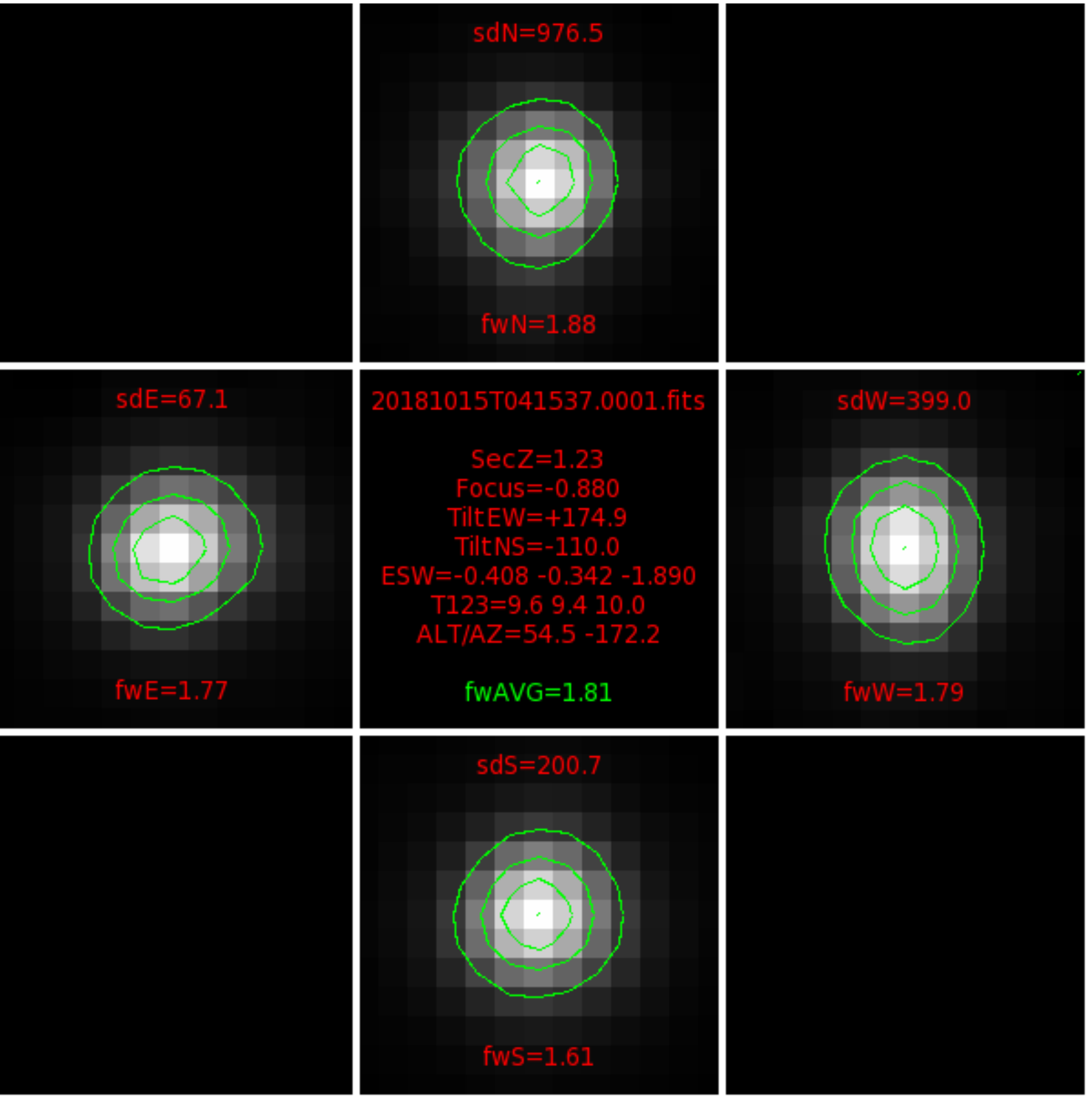
sdN=976.5
fwN=1.88
sdE=67.1
fwE=1.77
20181015T041537.0001.fits
SecZ=1.23
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.6 9.4 10.0
ALT/AZ=54.5 -172.2
fwAVG=1.81
sdW=399.0
fwW=1.79
sdS=200.7
fwS=1.61
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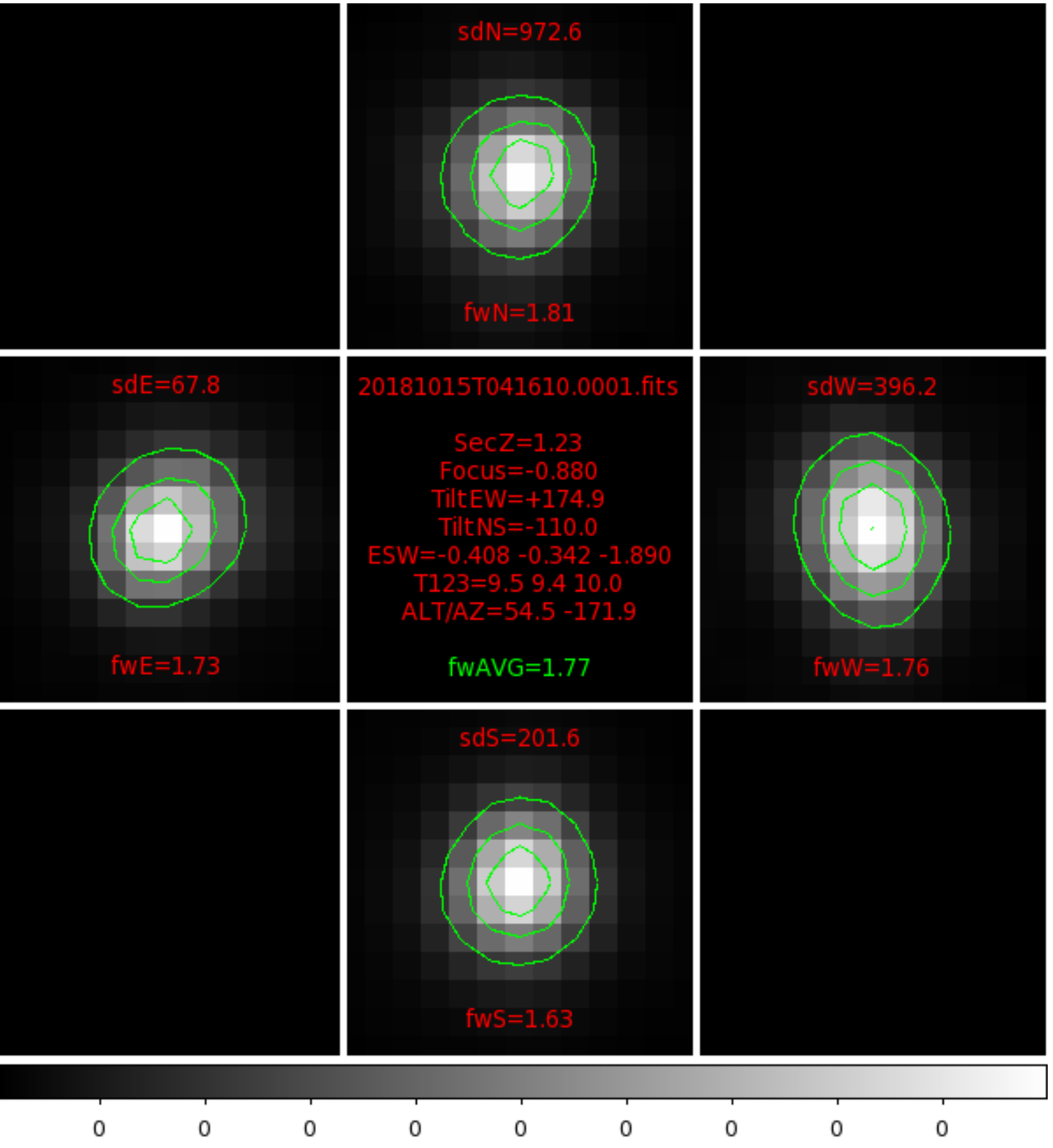
sdN=972.6
fwN=1.81
sdE=67.8
fwE=1.73
20181015T041610.0001.fits
SecZ=1.23
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.5 9.4 10.0
ALT/AZ=54.5 -171.9
fwAVG=1.77
sdW=396.2
fwW=1.76
sdS=201.6
fwS=1.63
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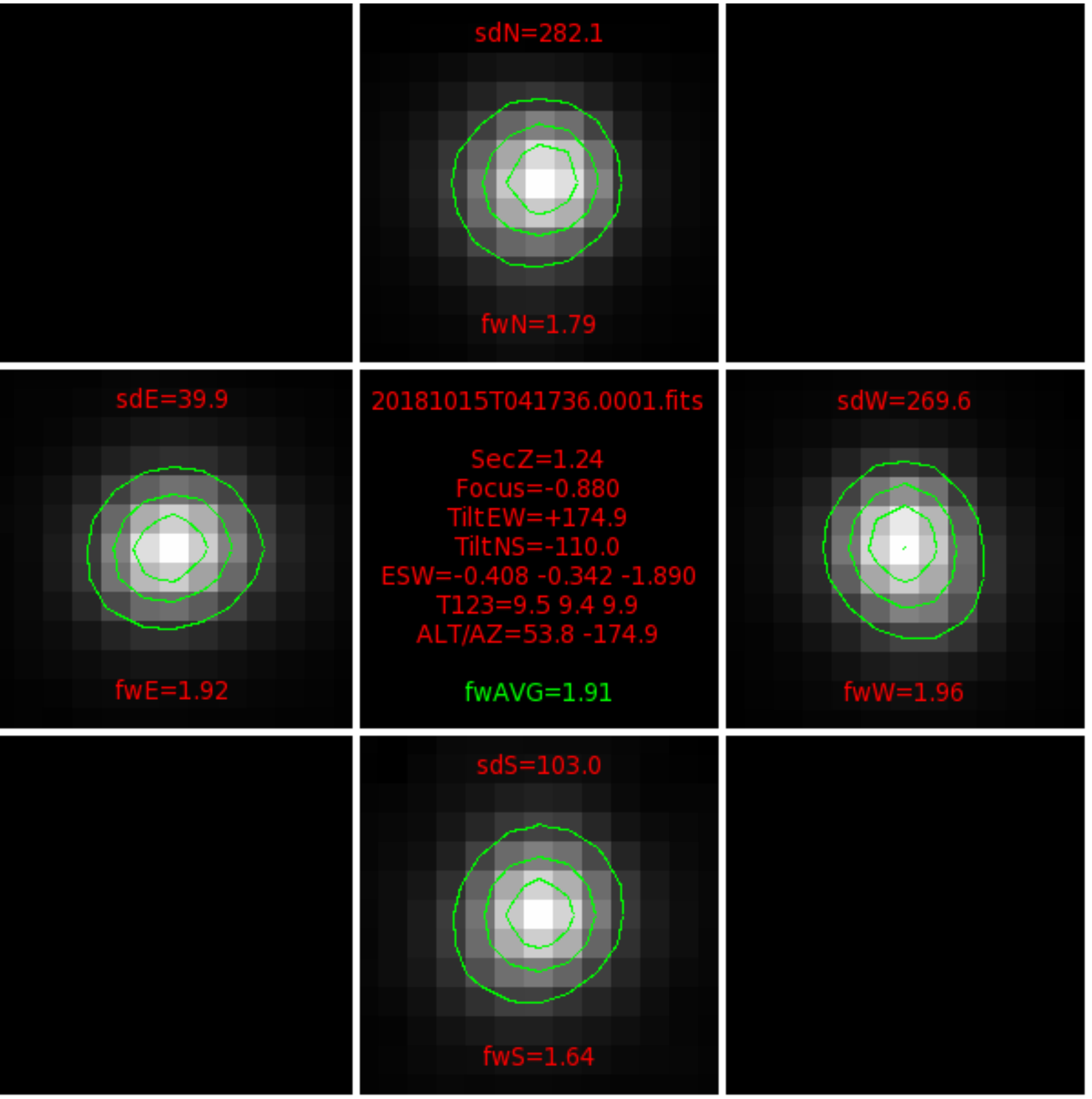
sdN=282.1
fwN=1.79
sdE=39.9
fwE=1.92
20181015T041736.0001.fits
SecZ=1.24
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.5 9.4 9.9
ALT/AZ=53.8 -174.9
fwAVG=1.91
sdW=269.6
fwW=1.96
sdS=103.0
fwS=1.64
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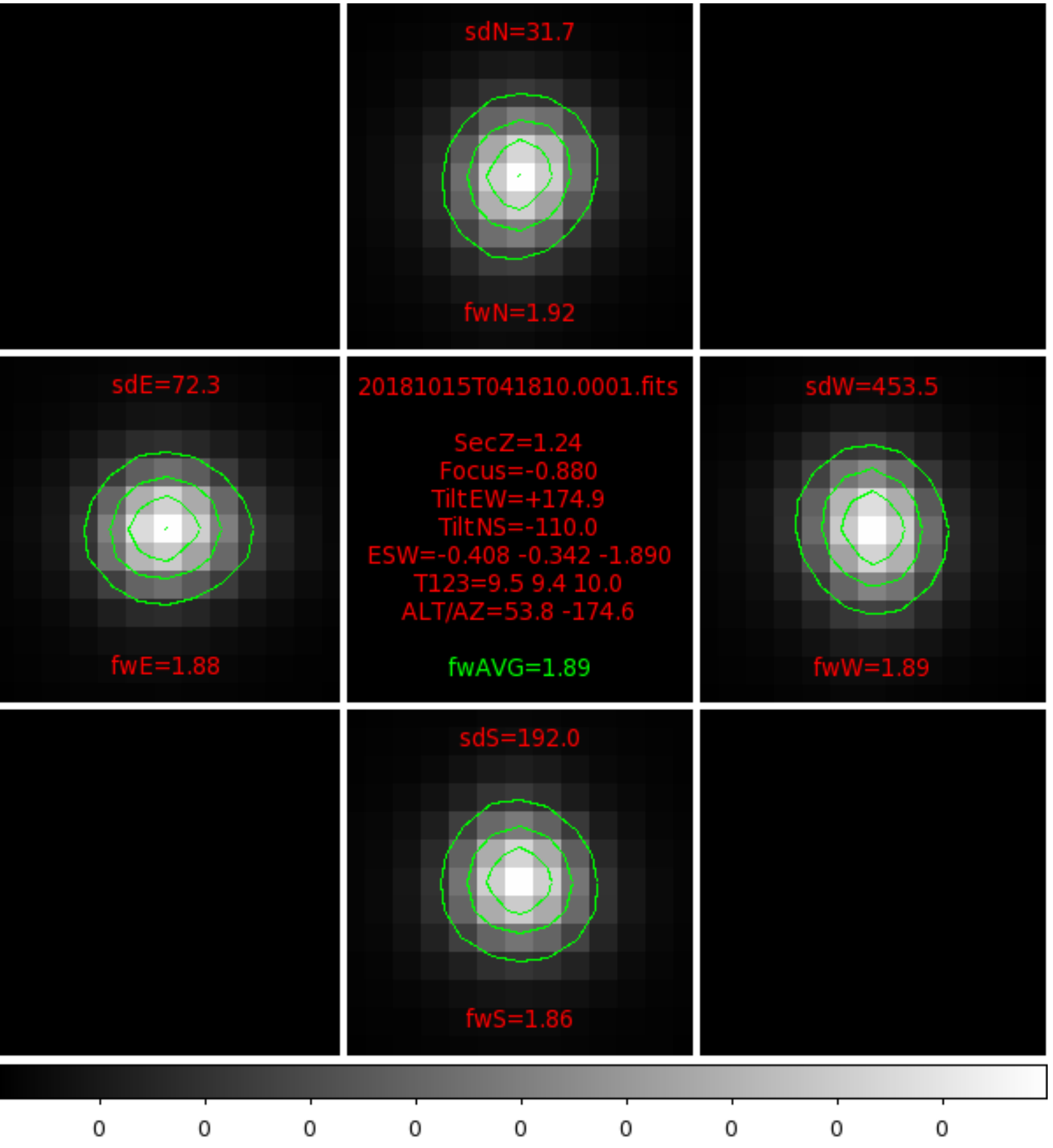
sdN=31.7
fwN=1.92
sdE=72.3
fwE=1.88
20181015T041810.0001.fits
SecZ=1.24
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.5 9.4 10.0
ALT/AZ=53.8 -174.6
fwAVG=1.89
sdW=453.5
fwW=1.89
sdS=192.0
fwS=1.86
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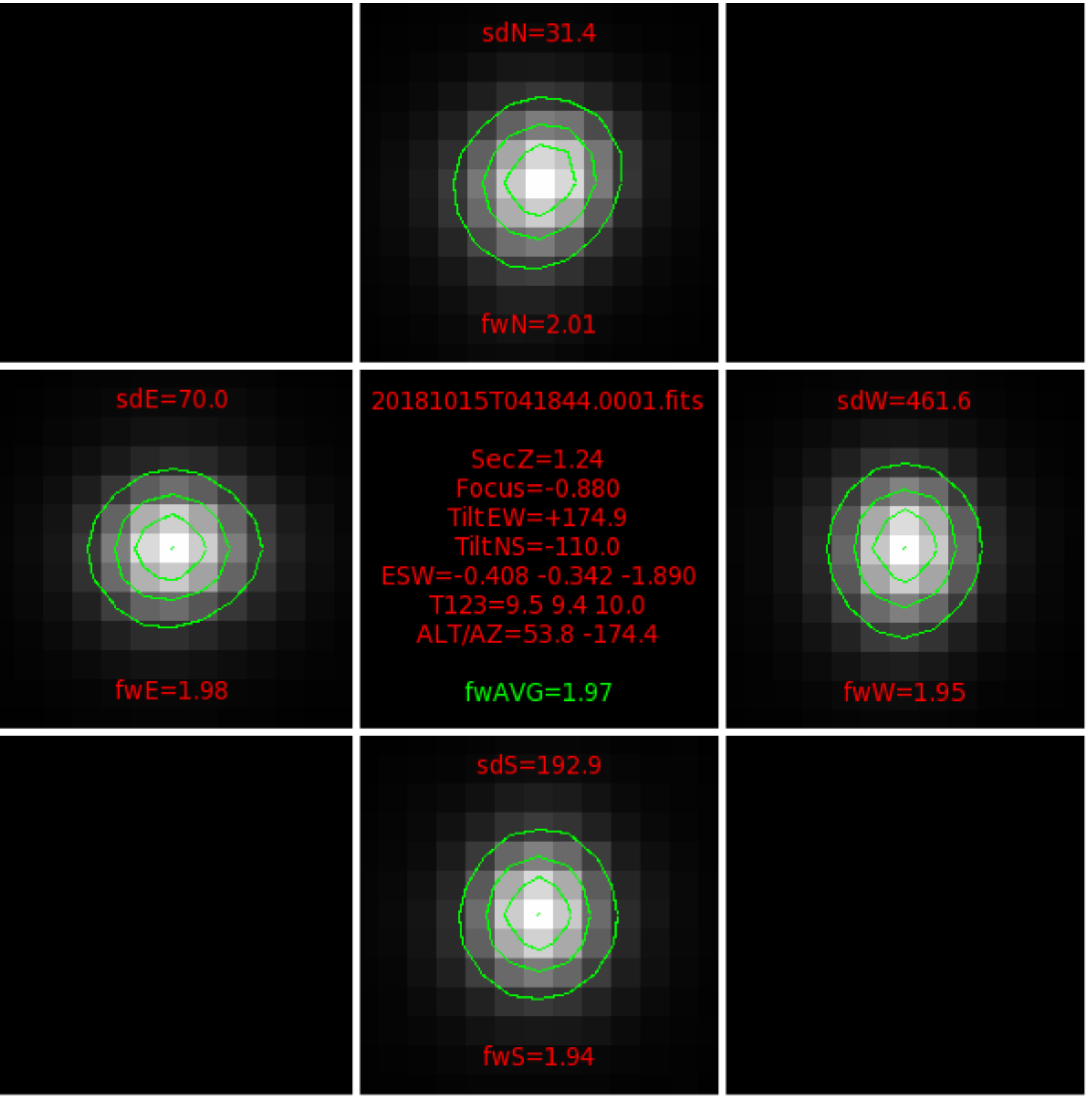
sdN=31.4
fwN=2.01
sdE=70.0
fwE=1.98
20181015T041844.0001.fits
SecZ=1.24
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.5 9.4 10.0
ALT/AZ=53.8 -174.4
fwAVG=1.97
sdW=461.6
fwW=1.95
sdS=192.9
fwS=1.94
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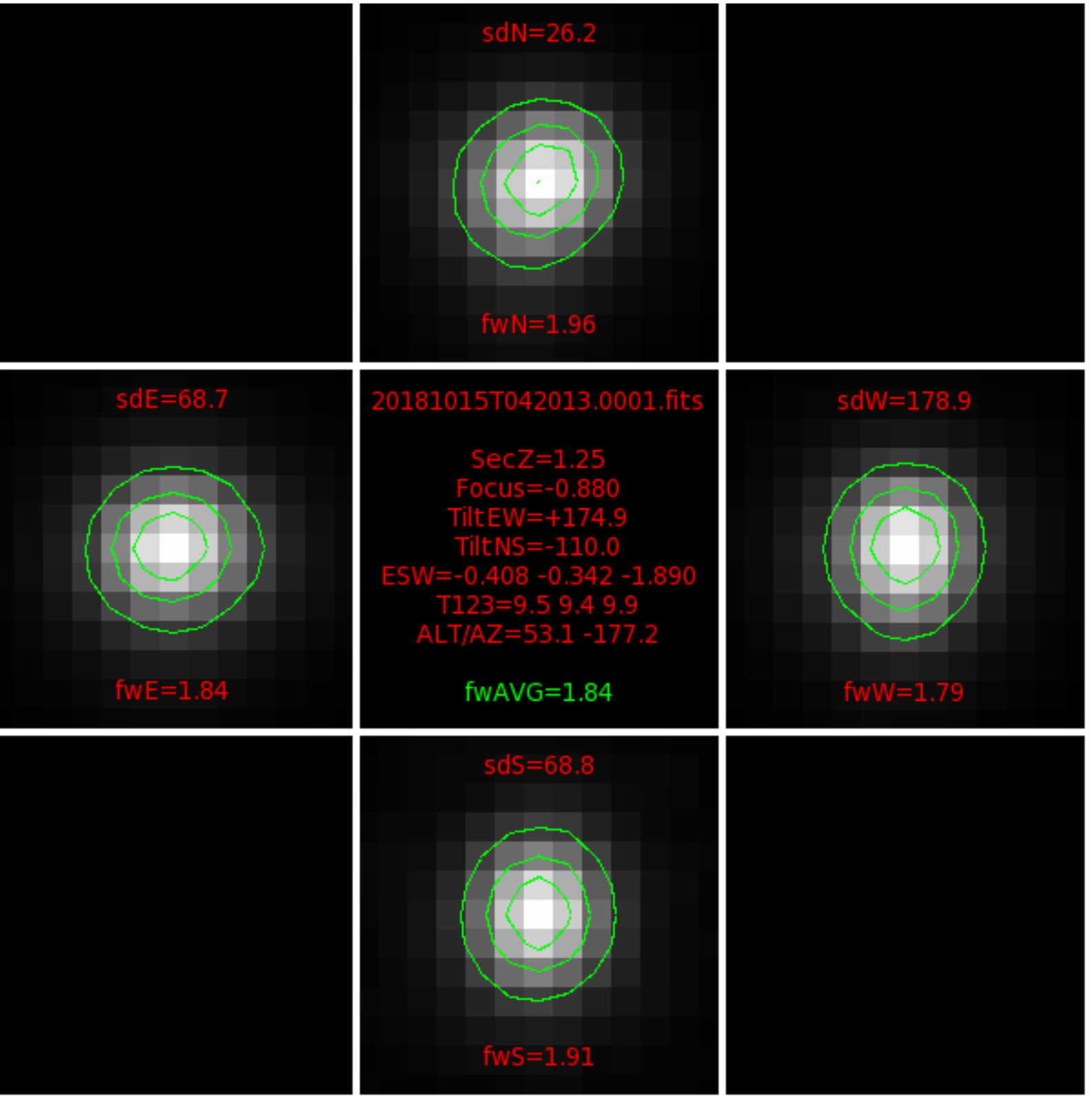
sdN=26.2
fwN=1.96
sdE=68.7
fwE=1.84
20181015T042013.0001.fits
SecZ=1.25
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.5 9.4 9.9
ALT/AZ=53.1 -177.2
fwAVG=1.84
sdW=178.9
fwW=1.79
sdS=68.8
fwS=1.91
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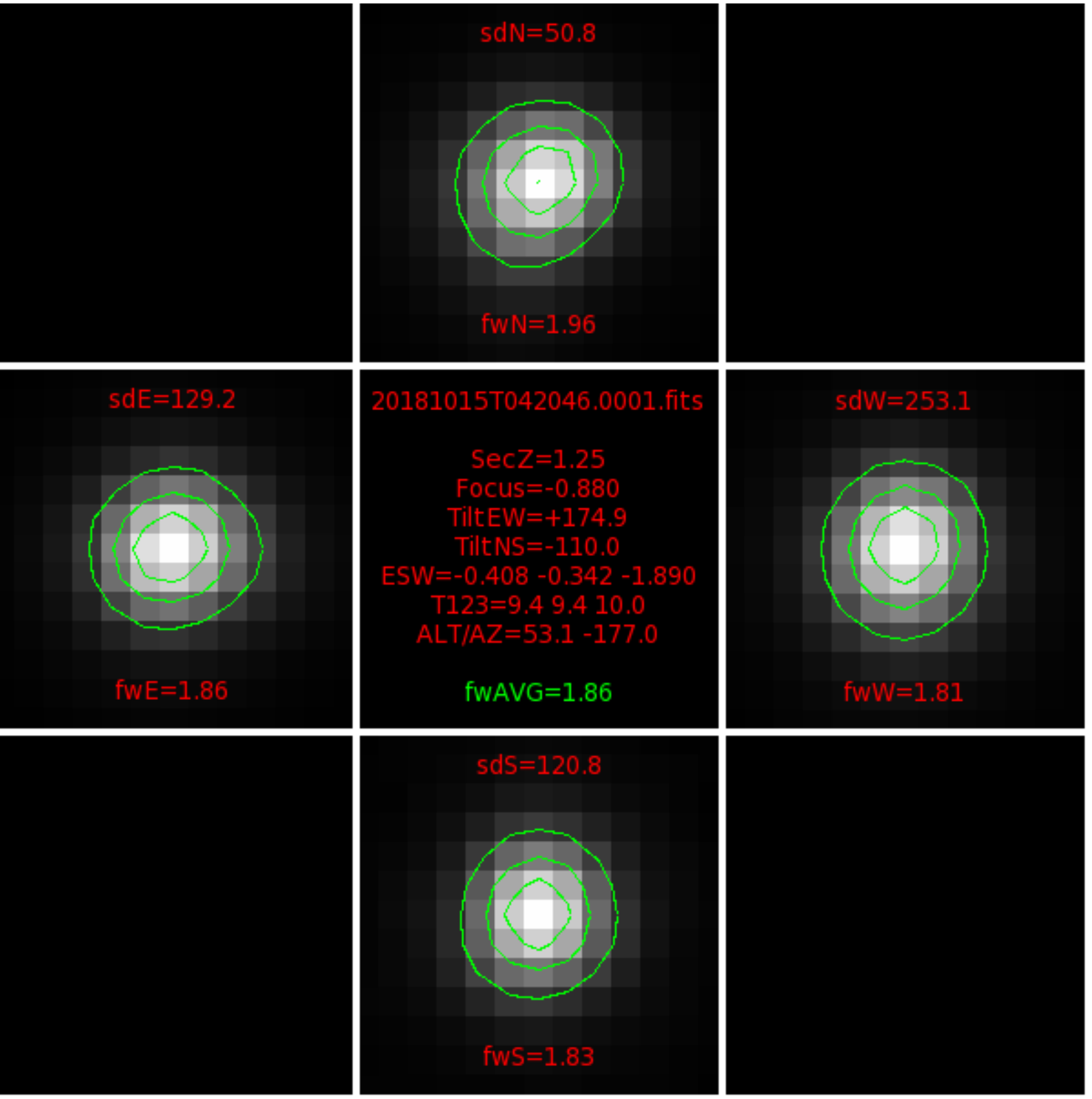
sdN=50.8
fwN=1.96
sdE=129.2
fwE=1.86
20181015T042046.0001.fits
SecZ=1.25
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.4 10.0
ALT/AZ=53.1 -177.0
fwAVG=1.86
sdW=253.1
fwW=1.81
sdS=120.8
fwS=1.83
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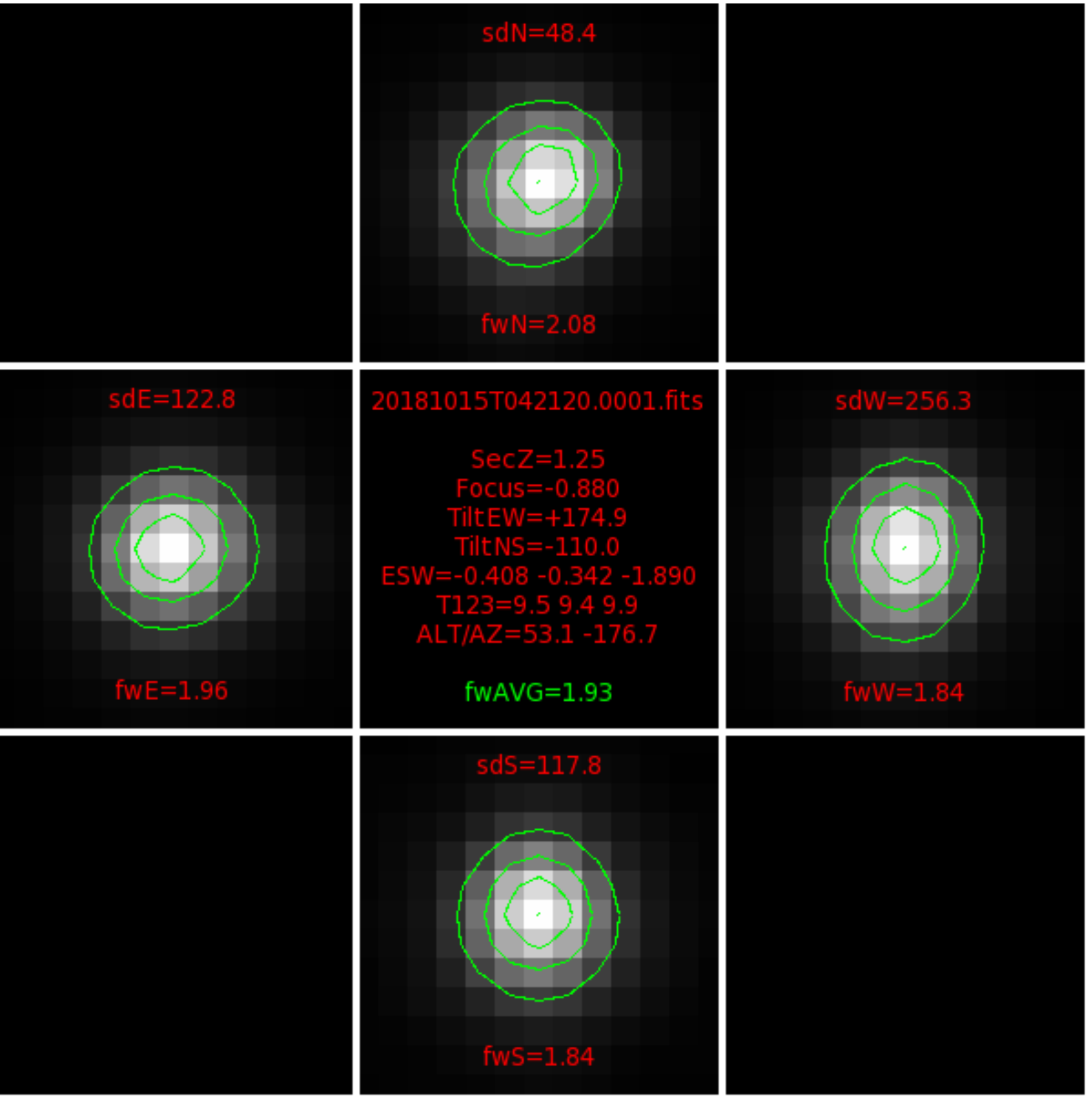
sdN=48.4
fwN=2.08
sdE=122.8
fwE=1.96
20181015T042120.0001.fits
SecZ=1.25
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.5 9.4 9.9
ALT/AZ=53.1 -176.7
fwAVG=1.93
sdW=256.3
fwW=1.84
sdS=117.8
fwS=1.84
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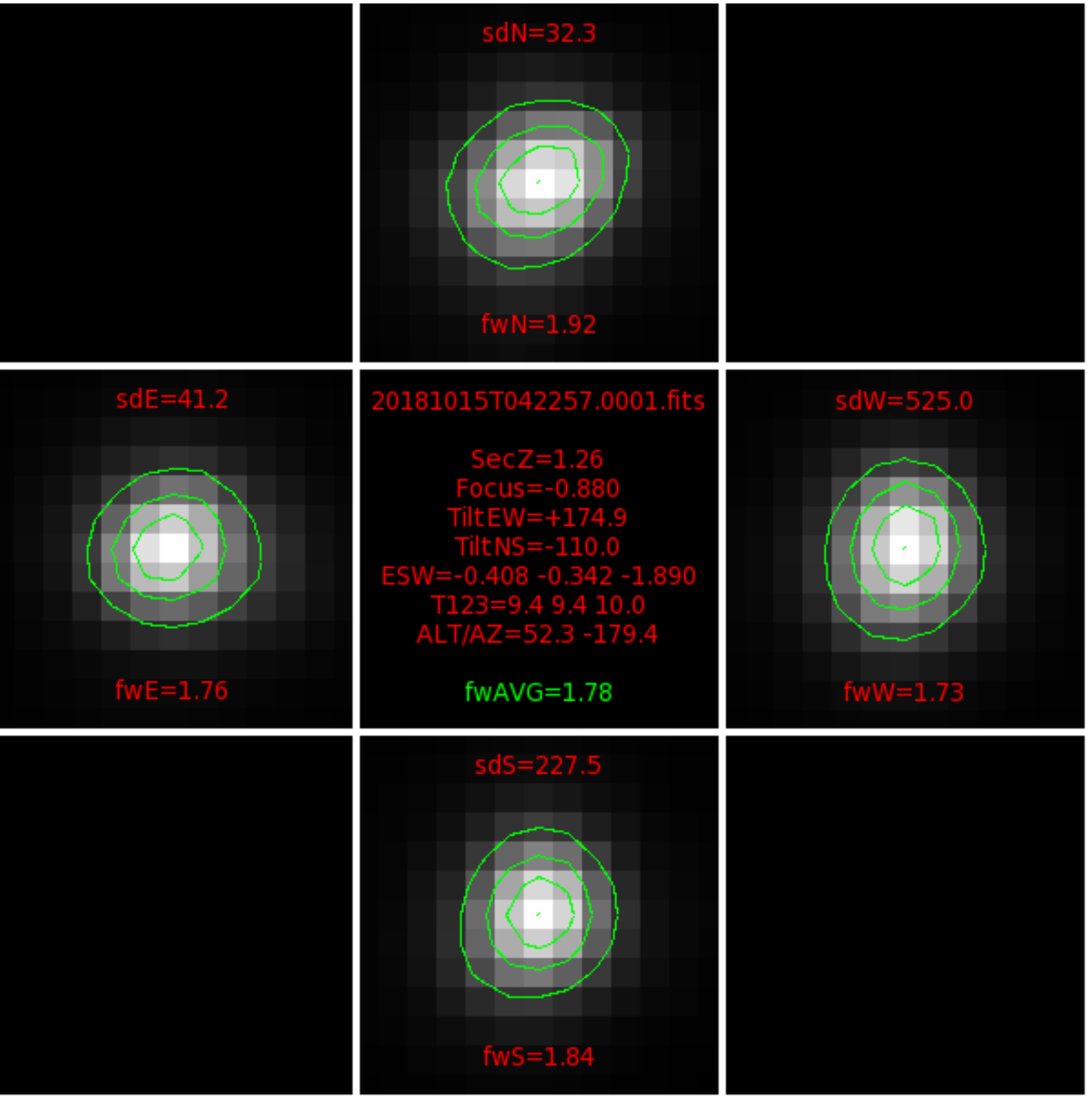
sdN=32.3
fwN=1.92
sdE=41.2
fwE=1.76
20181015T042257.0001.fits
SecZ=1.26
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.4 10.0
ALT/AZ=52.3 -179.4
fwAVG=1.78
sdW=525.0
fwW=1.73
sdS=227.5
fwS=1.84
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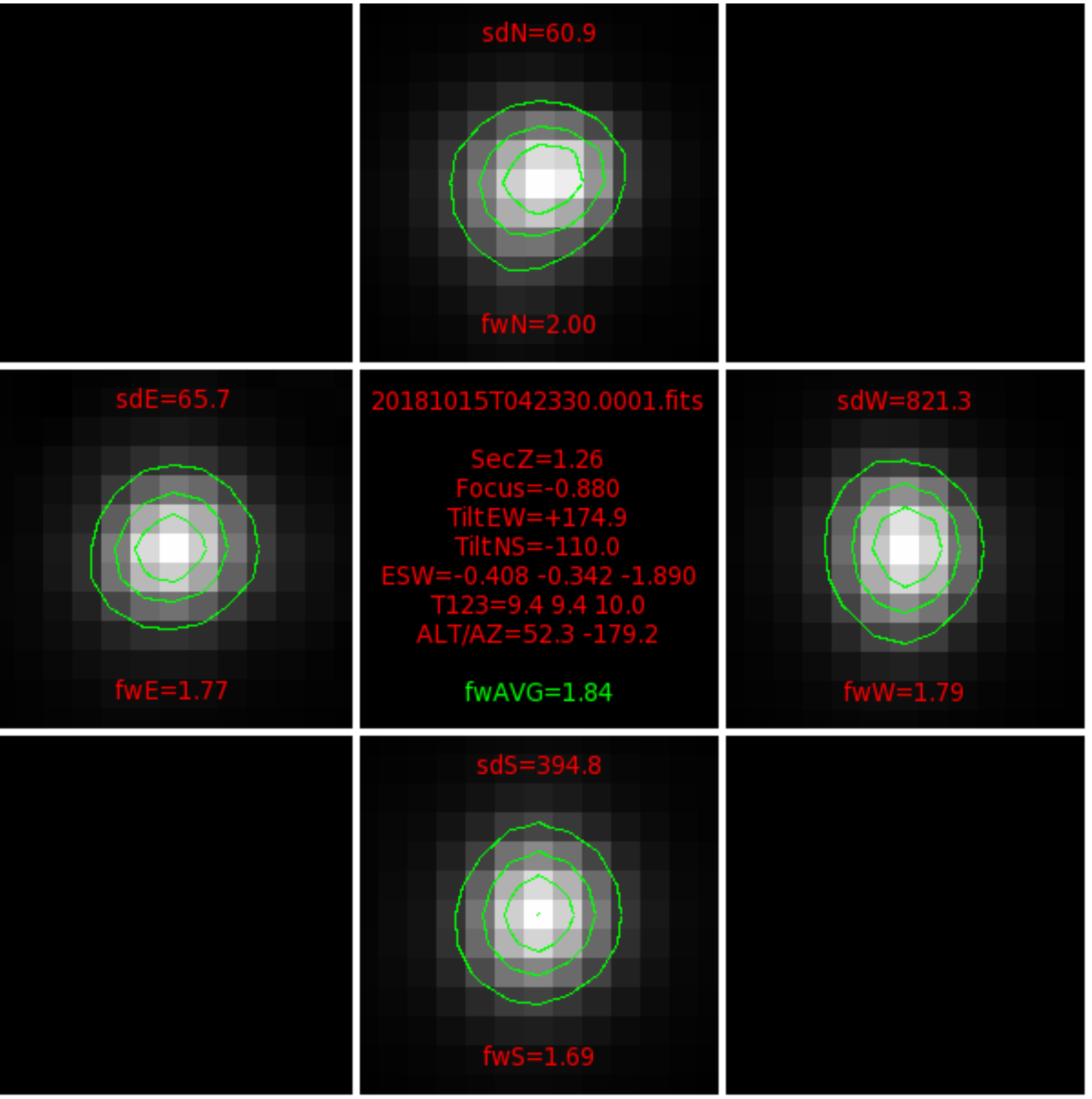
sdN=60.9
fwN=2.00
sdE=65.7
fwE=1.77
20181015T042330.0001.fits
SecZ=1.26
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.4 10.0
ALT/AZ=52.3 -179.2
fwAVG=1.84
sdW=821.3
fwW=1.79
sdS=394.8
fwS=1.69
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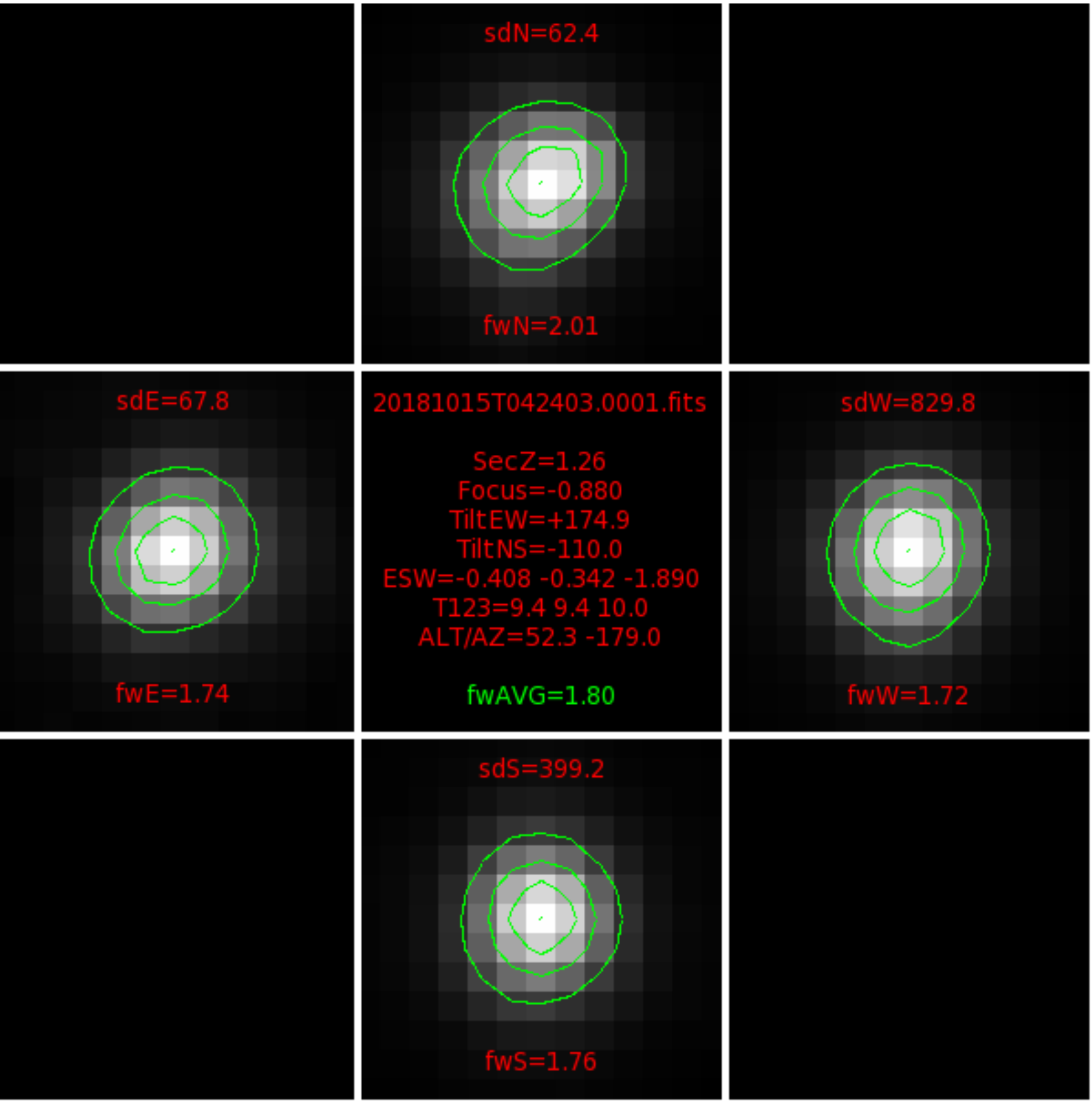
sdN=62.4
fwN=2.01
sdE=67.8
fwE=1.74
20181015T042403.0001.fits
SecZ=1.26
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.4 10.0
ALT/AZ=52.3 -179.0
fwAVG=1.80
sdW=829.8
fwW=1.72
sdS=399.2
fwS=1.76
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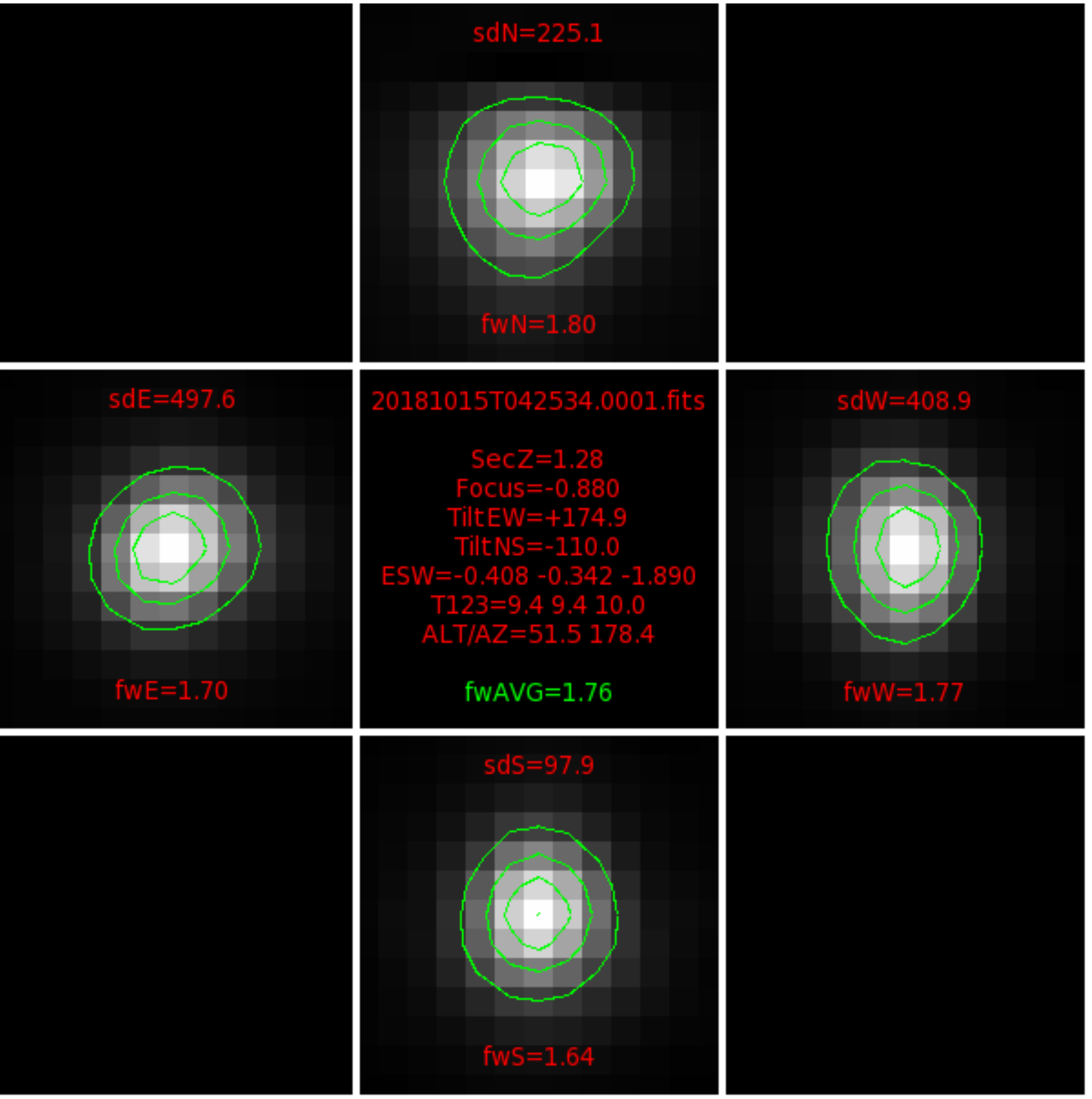
sdN=225.1
fwN=1.80
sdE=497.6
fwE=1.70
20181015T042534.0001.fits
SecZ=1.28
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.4 10.0
ALT/AZ=51.5 178.4
fwAVG=1.76
sdW=408.9
fwW=1.77
sdS=97.9
fwS=1.64
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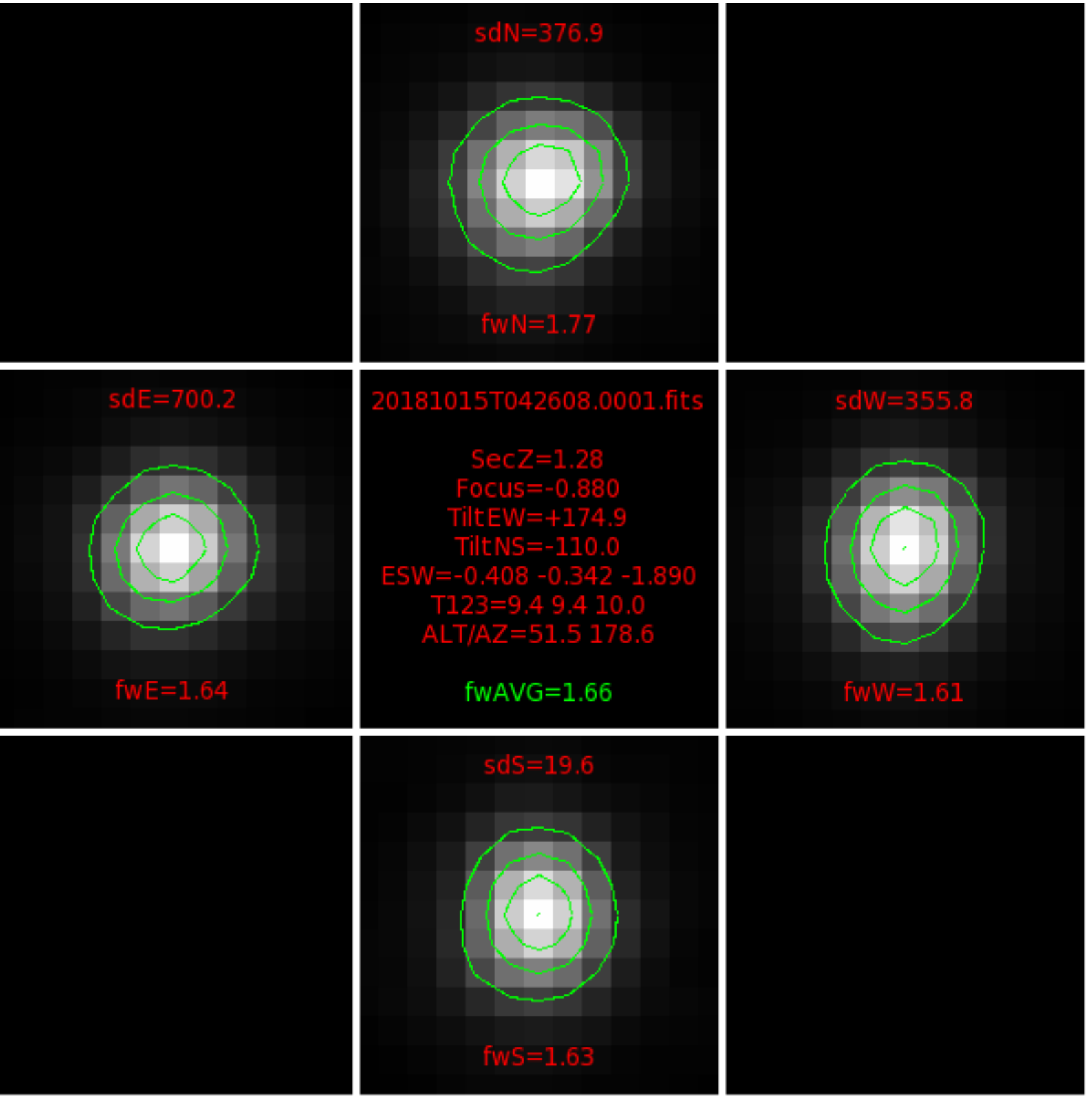
sdN=376.9
fwN=1.77
sdE=700.2
fwE=1.64
20181015T042608.0001.fits
SecZ=1.28
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.4 10.0
ALT/AZ=51.5 178.6
fwAVG=1.66
sdW=355.8
fwW=1.61
sdS=19.6
fwS=1.63
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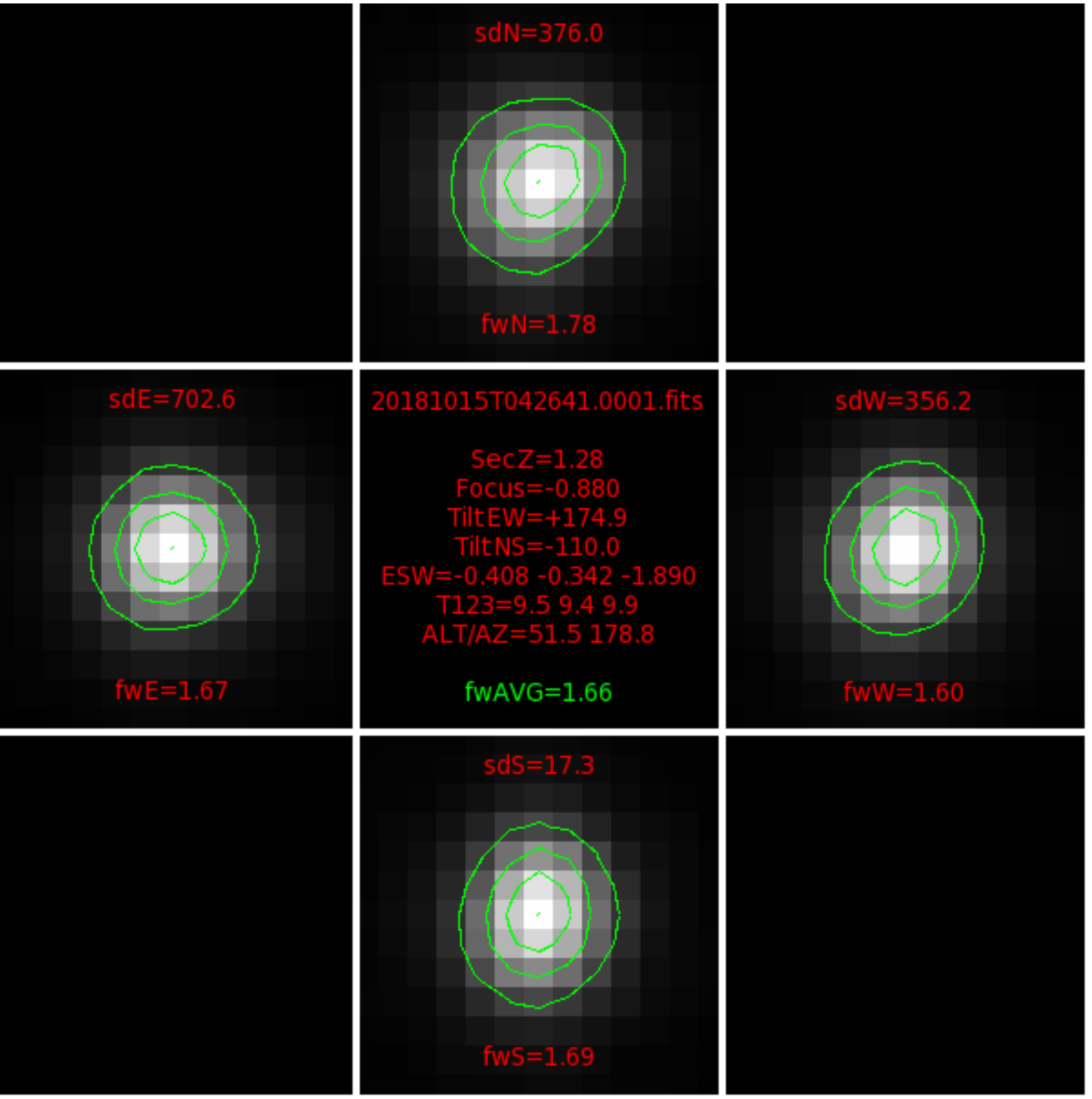
sdN=376.0
fwN=1.78
sdE=702.6
fwE=1.67
20181015T042641.0001.fits
SecZ=1.28
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.5 9.4 9.9
ALT/AZ=51.5 178.8
fwAVG=1.66
sdW=356.2
fwW=1.60
sdS=17.3
fwS=1.69
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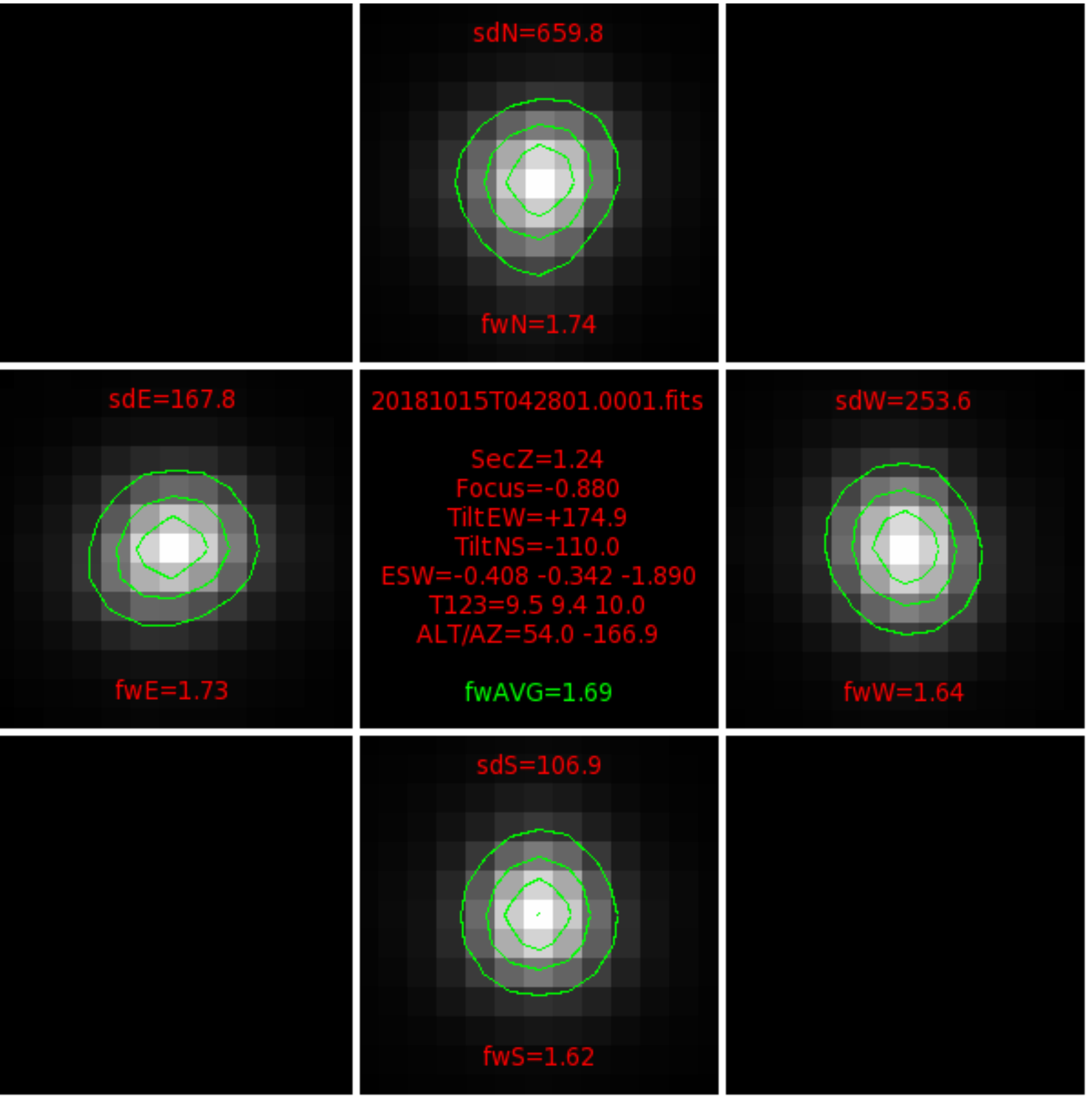
sdN=659.8
fwN=1.74
sdE=167.8
fwE=1.73
20181015T042801.0001.fits
SecZ=1.24
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.5 9.4 10.0
ALT/AZ=54.0 -166.9
fwAVG=1.69
sdW=253.6
fwW=1.64
sdS=106.9
fwS=1.62
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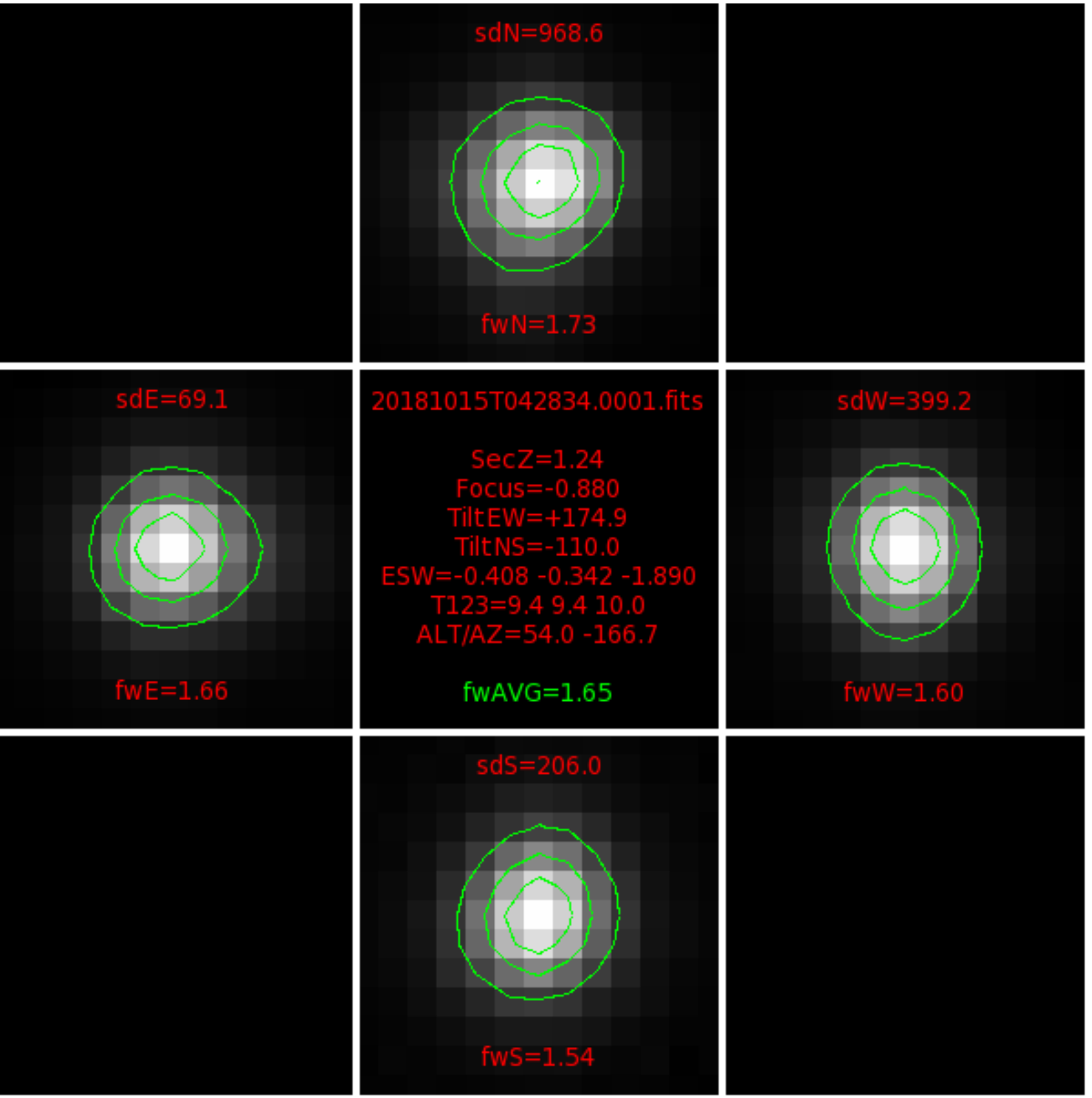
sdN=968.6
fwN=1.73
sdE=69.1
fwE=1.66
20181015T042834.0001.fits
SecZ=1.24
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.4 10.0
ALT/AZ=54.0 -166.7
fwAVG=1.65
sdW=399.2
fwW=1.60
sdS=206.0
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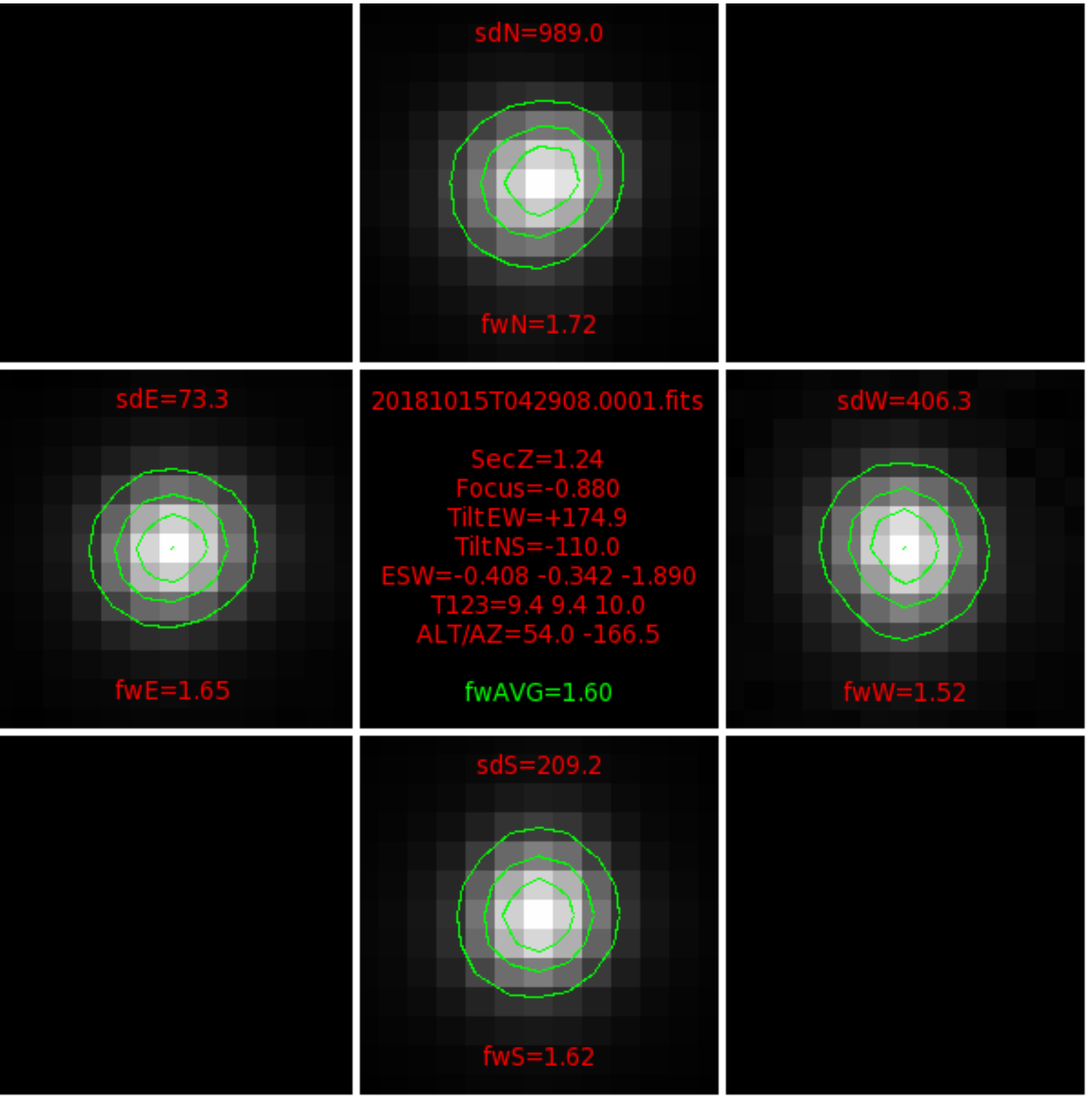
0 0 0 0 0 0 0 0 0


sdN=989.0
fwN=1.72
sdE=73.3
fwE=1.65
20181015T042908.0001.fits
SecZ=1.24
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.4 10.0
ALT/AZ=54.0 -166.5
fwAVG=1.60
sdW=406.3
fwW=1.52
sdS=209.2
fwS=1.62
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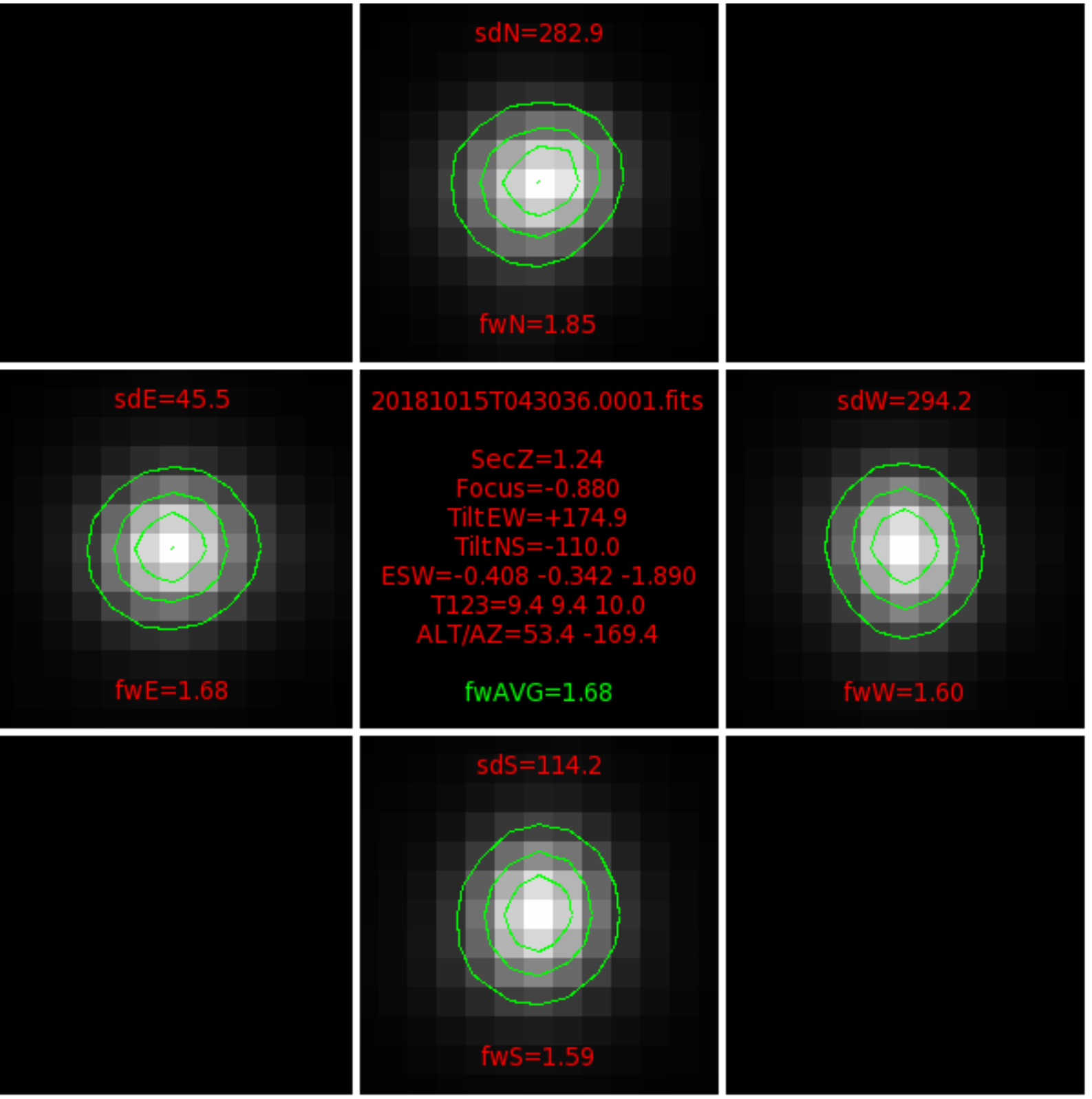
sdN=282.9
fwN=1.85
sdE=45.5
fwE=1.68
20181015T043036.0001.fits
SecZ=1.24
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.4 10.0
ALT/AZ=53.4 -169.4
fwAVG=1.68
sdW=294.2
fwW=1.60
sdS=114.2
fwS=1.59
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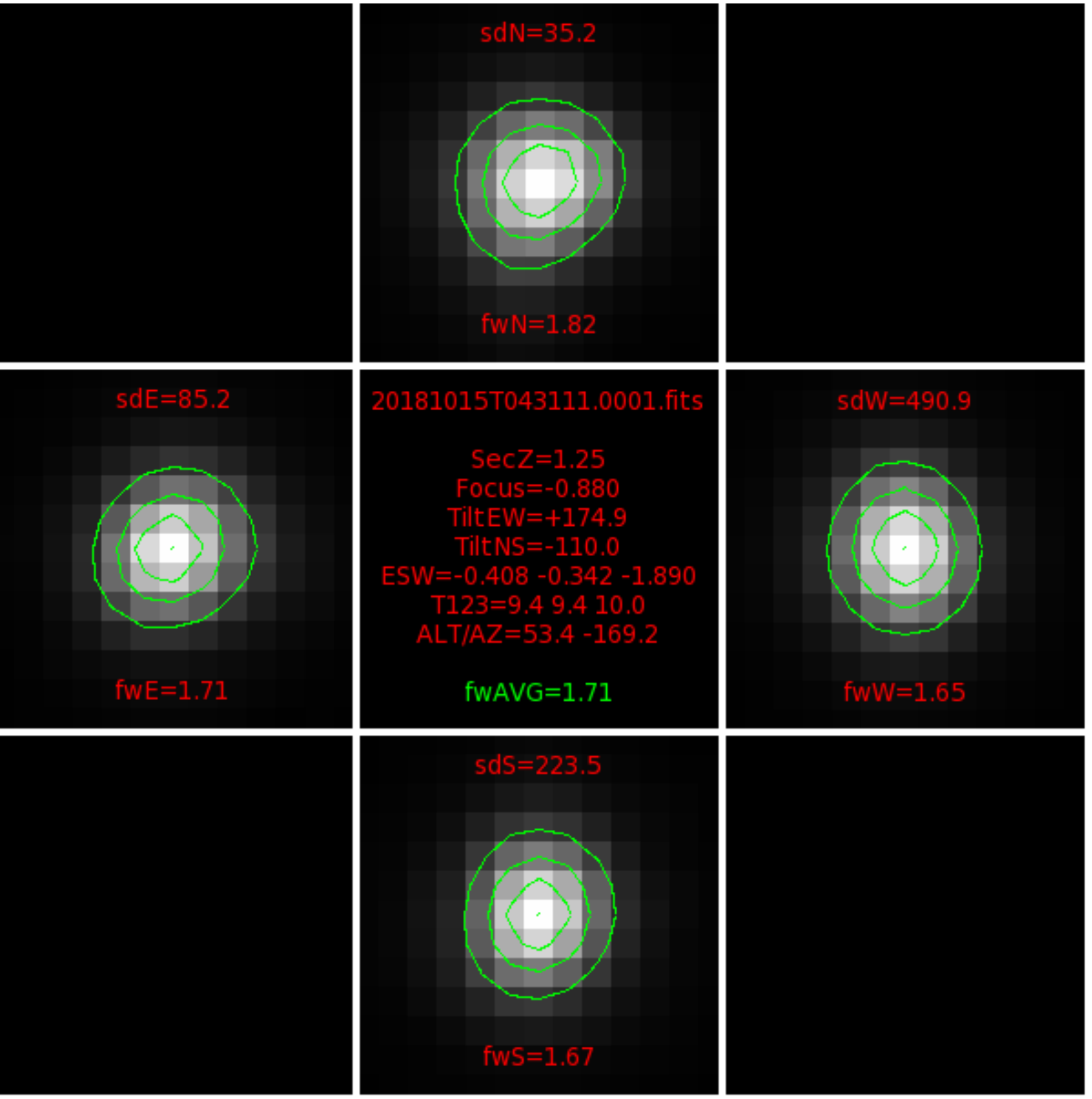
sdN=35.2
fwN=1.82
sdE=85.2
fwE=1.71
20181015T043111.0001.fits
SecZ=1.25
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.4 10.0
ALT/AZ=53.4 -169.2
fwAVG=1.71
sdW=490.9
fwW=1.65
sdS=223.5
fwS=1.67
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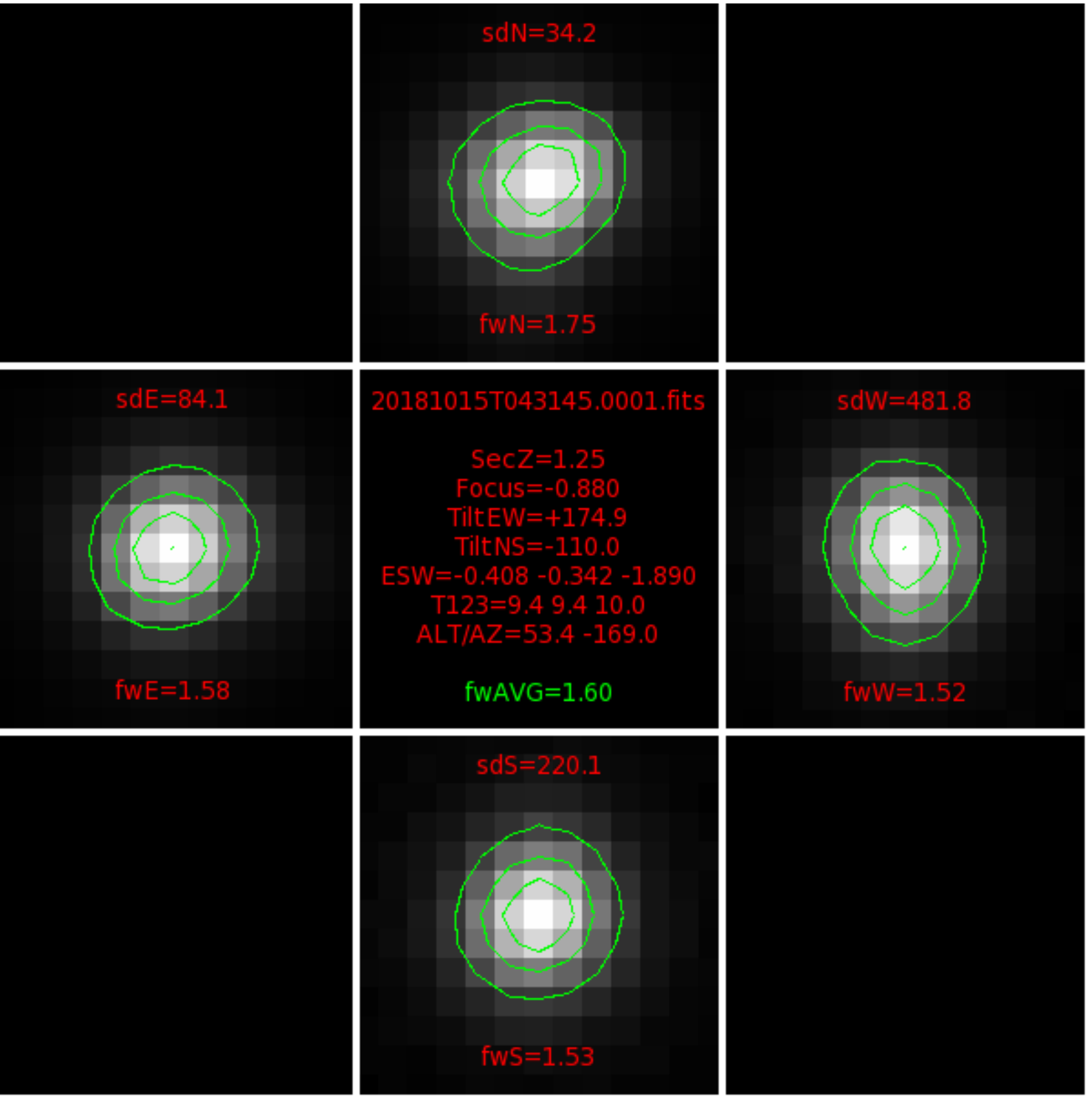
sdN=34.2
fwN=1.75
sdE=84.1
fwE=1.58
20181015T043145.0001.fits
SecZ=1.25
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.4 10.0
ALT/AZ=53.4 -169.0
fwAVG=1.60
sdW=481.8
fwW=1.52
sdS=220.1
fwS=1.53
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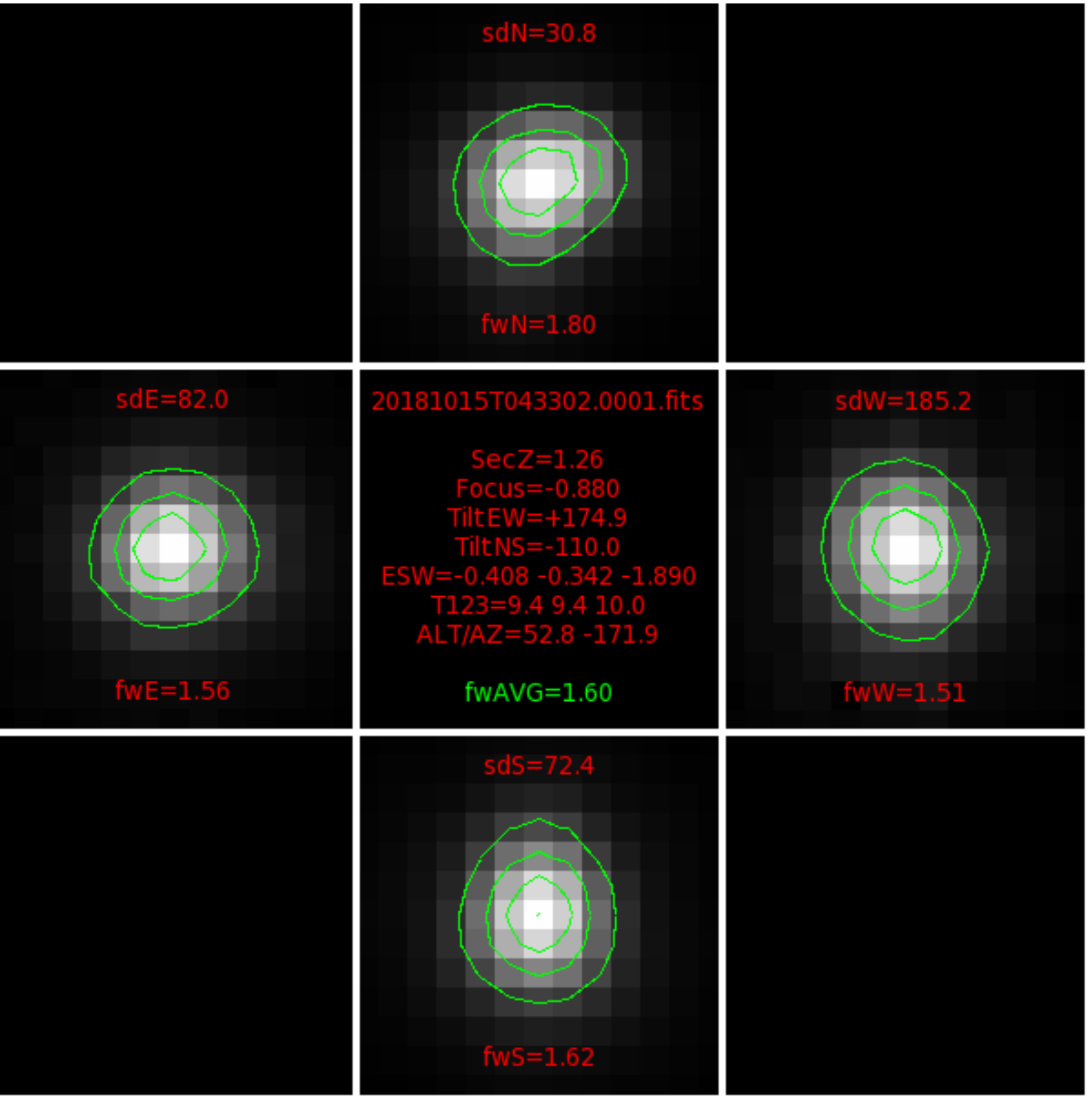
sdN=30.8
fwN=1.80
sdE=82.0
fwE=1.56
20181015T043302.0001.fits
SecZ=1.26
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.4 10.0
ALT/AZ=52.8 -171.9
fwAVG=1.60
sdW=185.2
fwW=1.51
sdS=72.4
fwS=1.62
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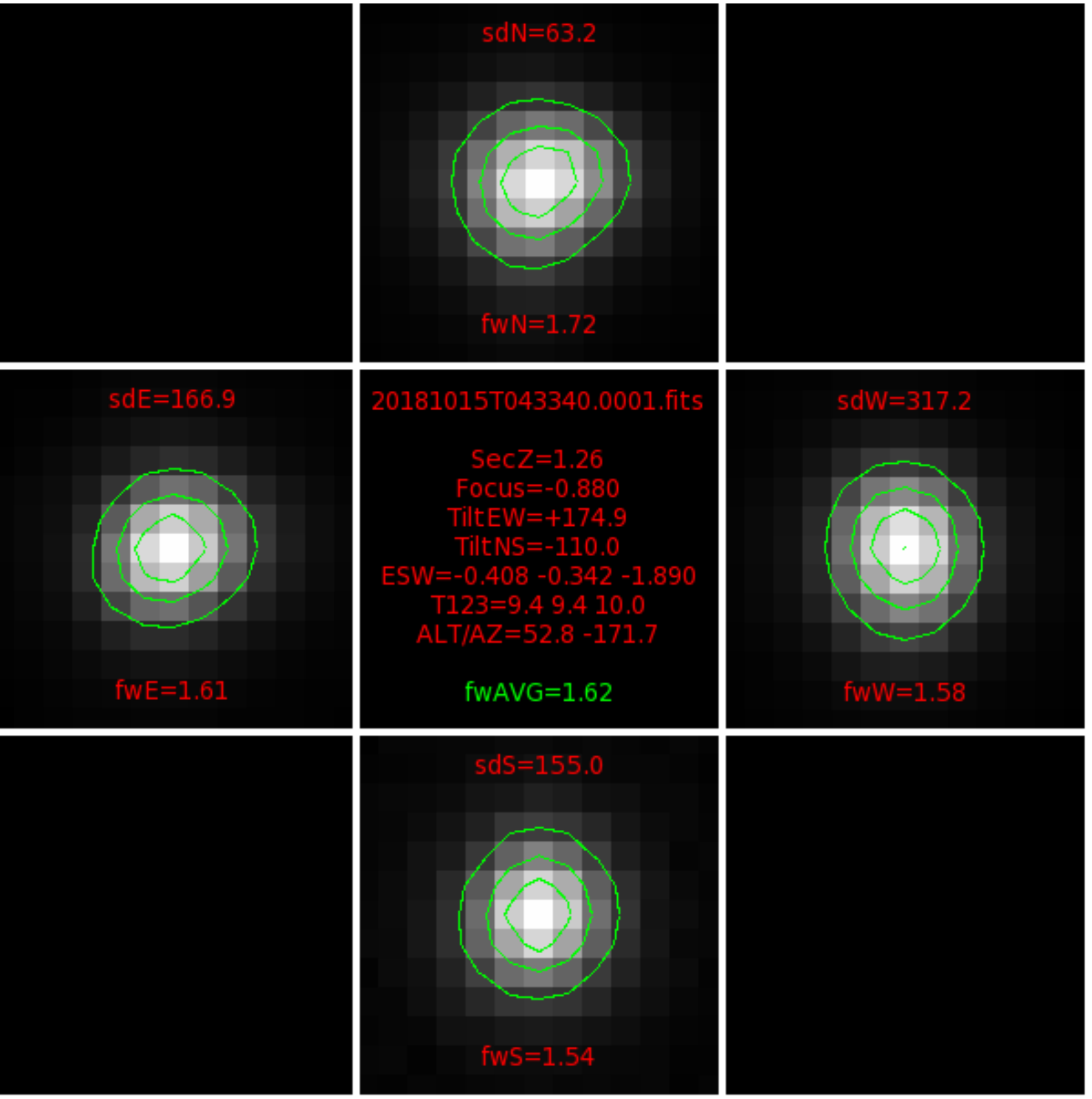
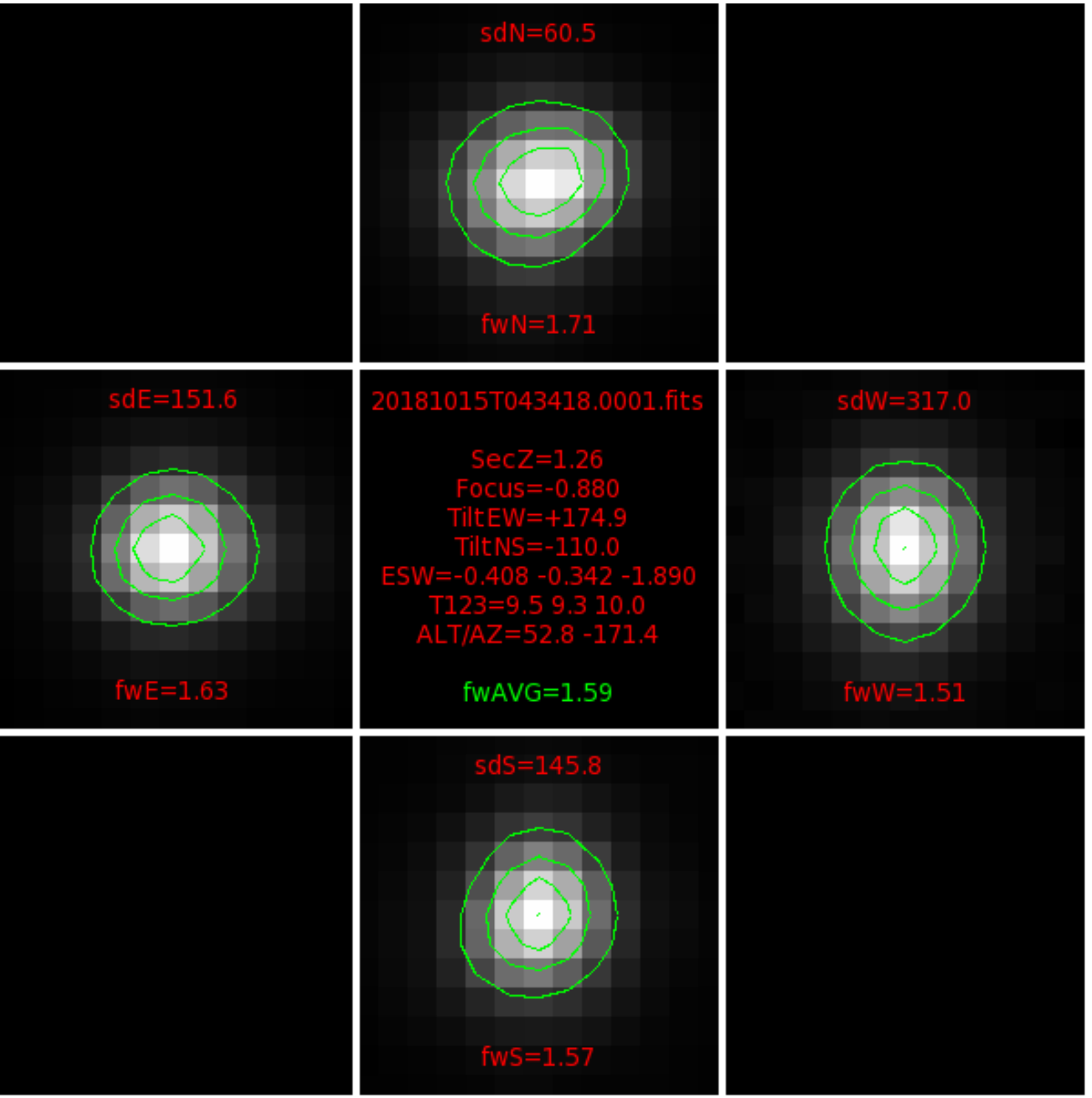

sdN=63.2
fwN=1.72
sdE=166.9
fwE=1.61
20181015T043340.0001.fits
SecZ=1.26
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.4 10.0
ALT/AZ=52.8 -171.7
fwAVG=1.62
sdW=317.2
fwW=1.58
sdS=155.0
fwS=1.54
0 0 0 0 0 0 0 0 0


sdN=60.5
fwN=1.71
sdE=151.6
fwE=1.63
20181015T043418.0001.fits
SecZ=1.26
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.5 9.3 10.0
ALT/AZ=52.8 -171.4
fwAVG=1.59
sdW=317.0
fwW=1.51
sdS=145.8
fwS=1.57
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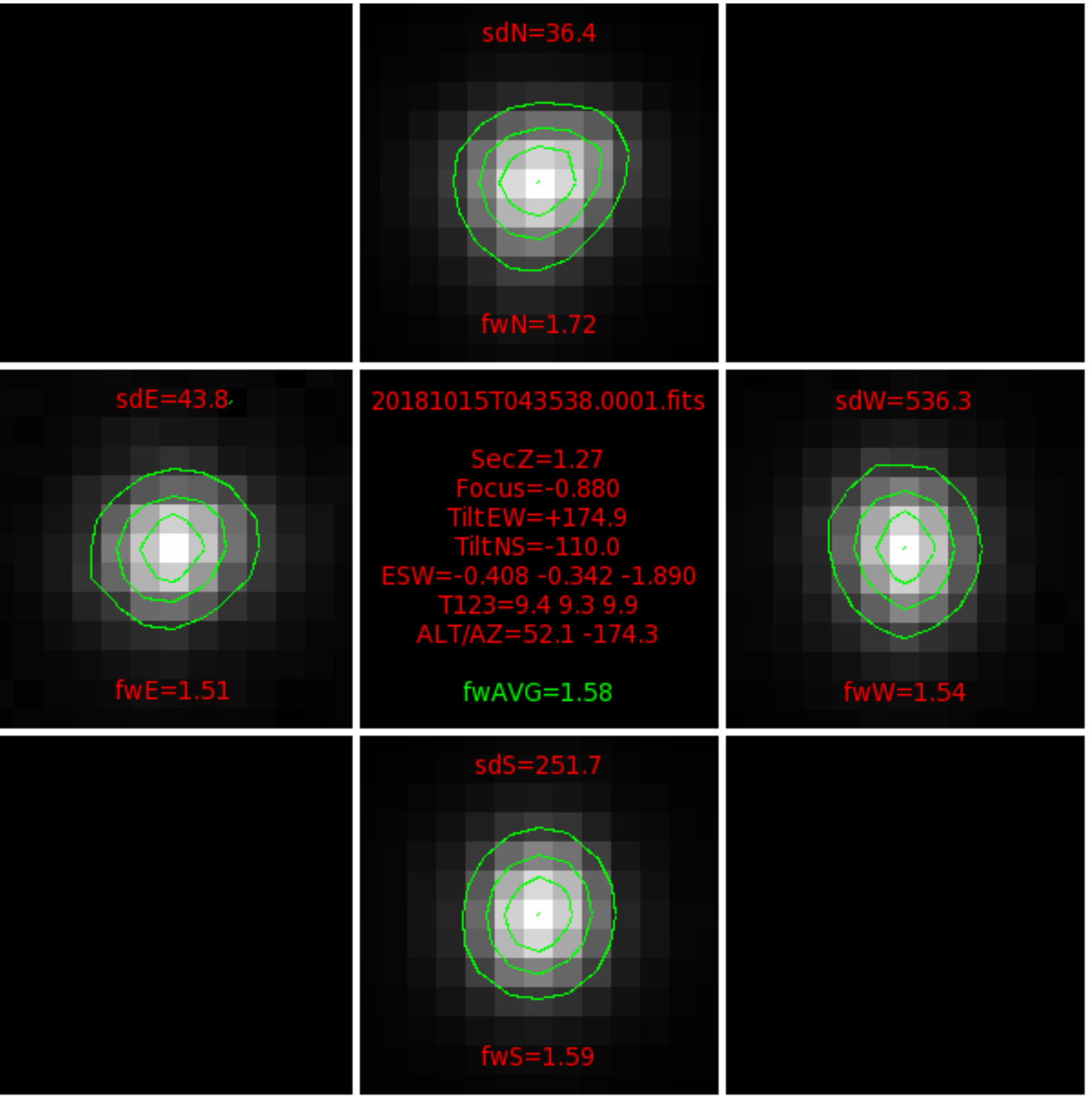
sdN=36.4
fwN=1.72
sdE=43.8
fwE=1.51
20181015T043538.0001.fits
SecZ=1.27
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.3 9.9
ALT/AZ=52.1 -174.3
fwAVG=1.58
sdW=536.3
fwW=1.54
sdS=251.7
fwS=1.59
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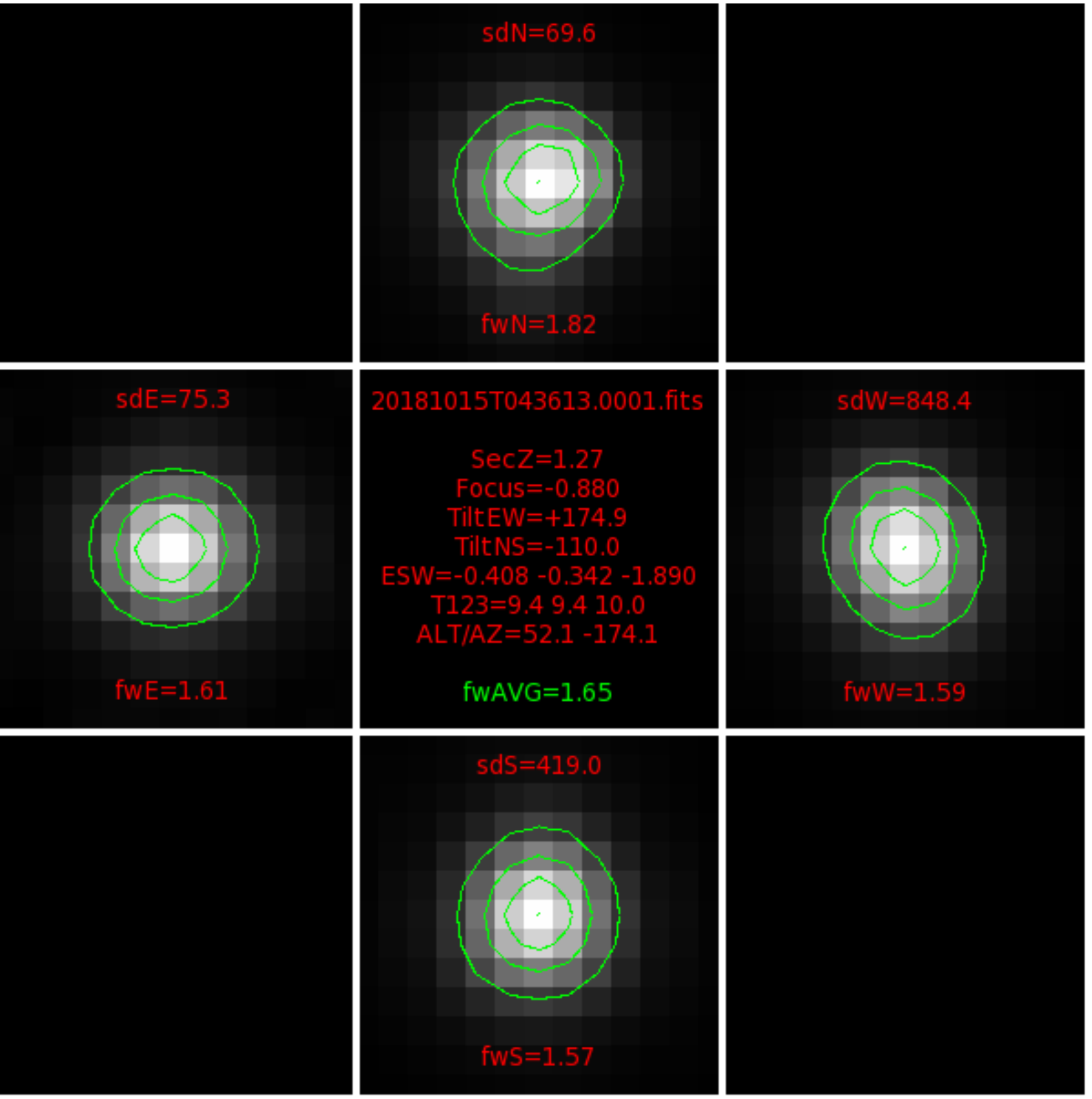
sdN=69.6
fwN=1.82
sdE=75.3
fwE=1.61
20181015T043613.0001.fits
SecZ=1.27
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.4 10.0
ALT/AZ=52.1 -174.1
fwAVG=1.65
sdW=848.4
fwW=1.59
sdS=419.0
fwS=1.57
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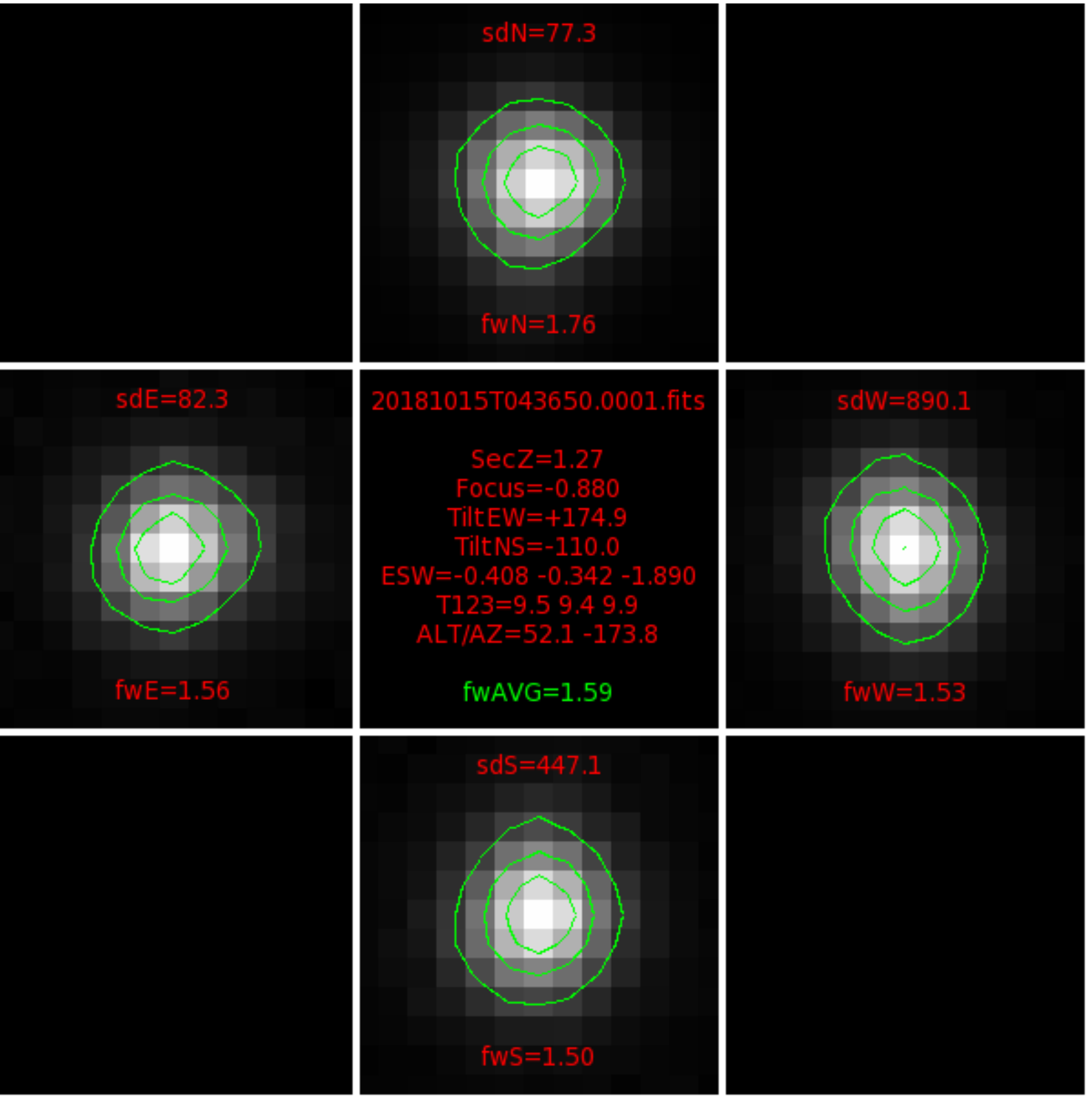
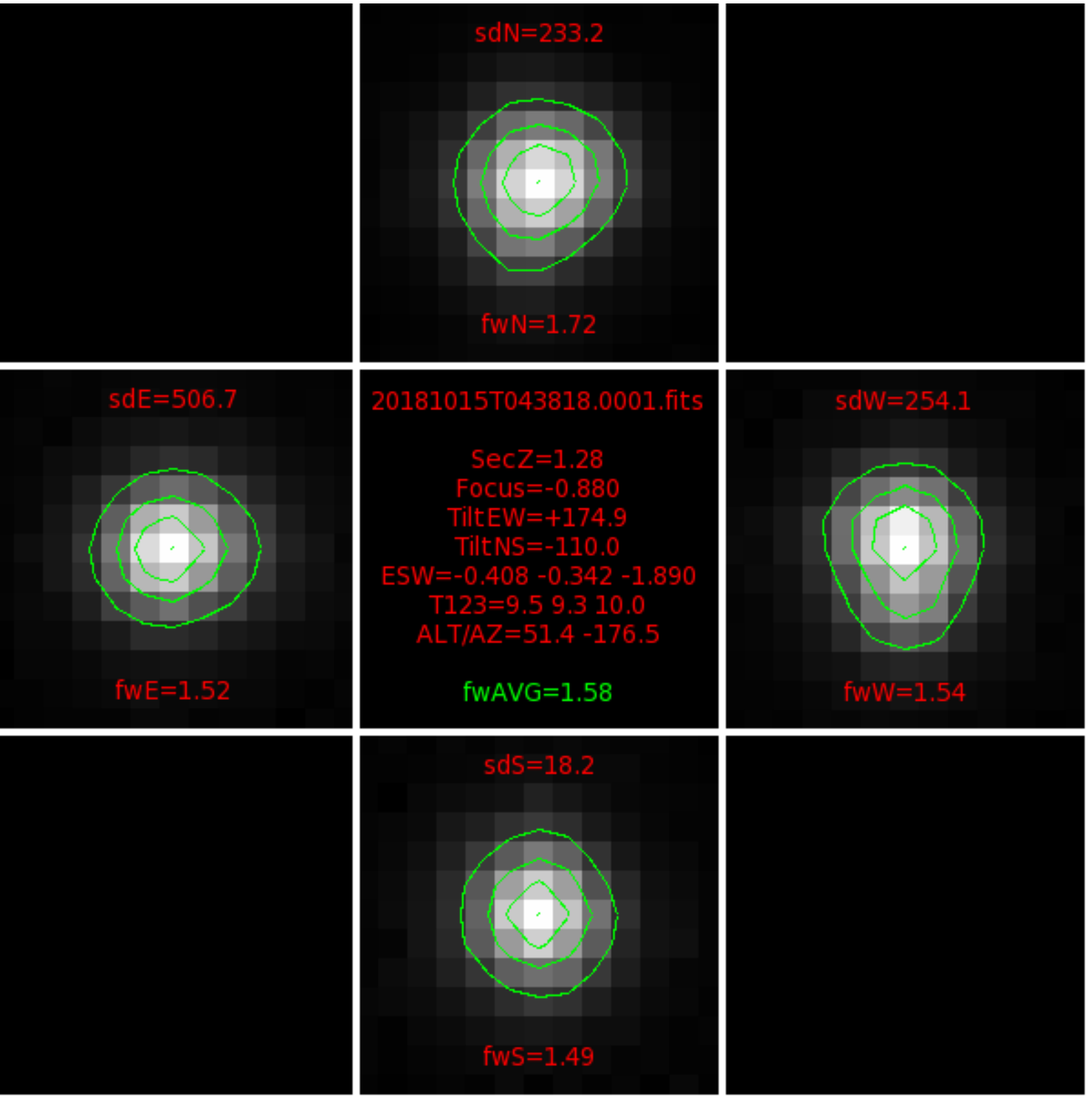

sdN=77.3
fwN=1.76
sdE=82.3
fwE=1.56
20181015T043650.0001.fits
SecZ=1.27
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.5 9.4 9.9
ALT/AZ=52.1 -173.8
fwAVG=1.59
sdW=890.1
fwW=1.53
sdS=447.1
fwS=1.50
0 0 0 0 0 0 0 0 0


sdN=233.2
fwN=1.72
sdE=506.7
fwE=1.52
20181015T043818.0001.fits
SecZ=1.28
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.5 9.3 10.0
ALT/AZ=51.4 -176.5
fwAVG=1.58
sdW=254.1
fwW=1.54
sdS=18.2
fwS=1.49
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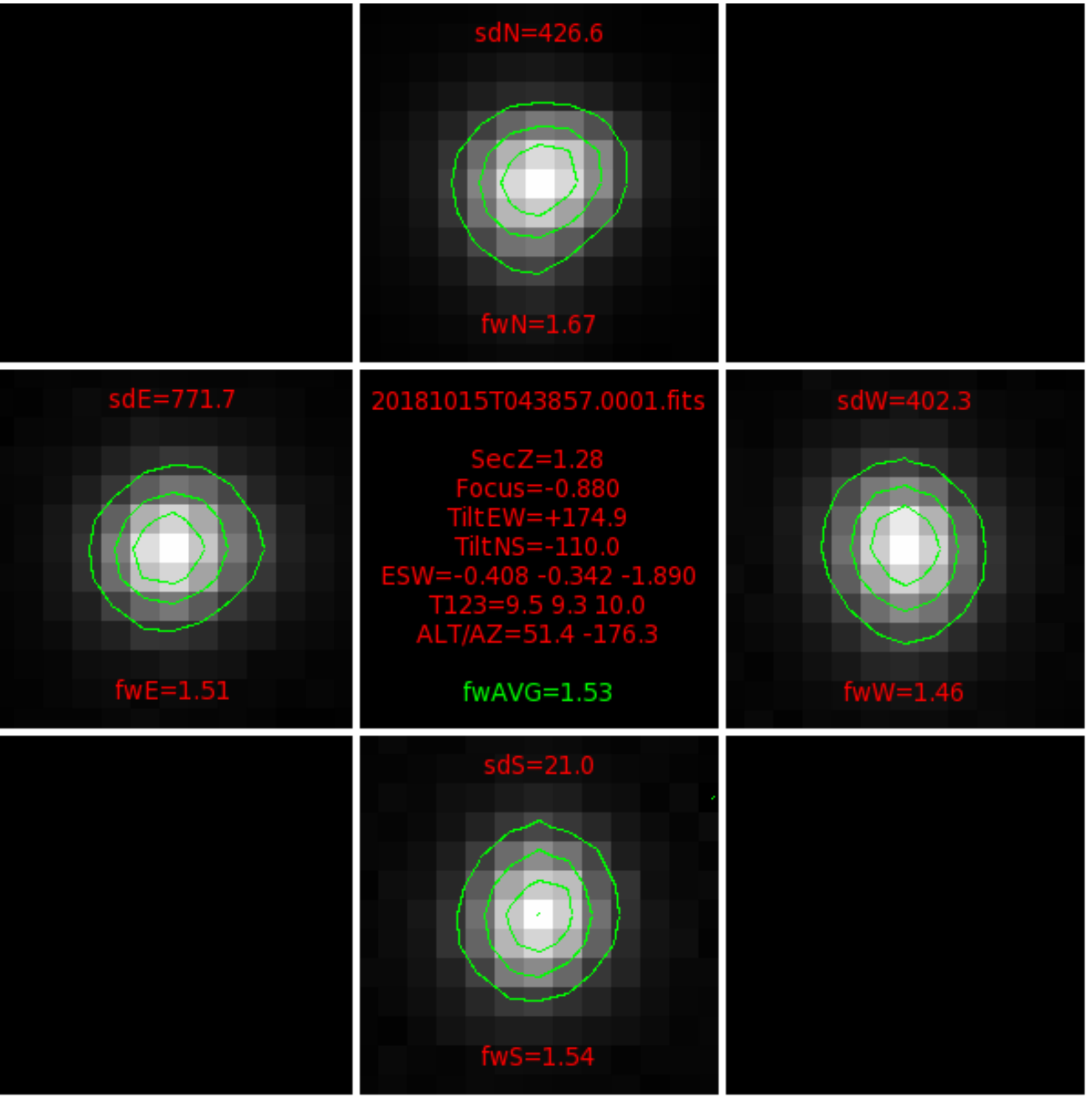
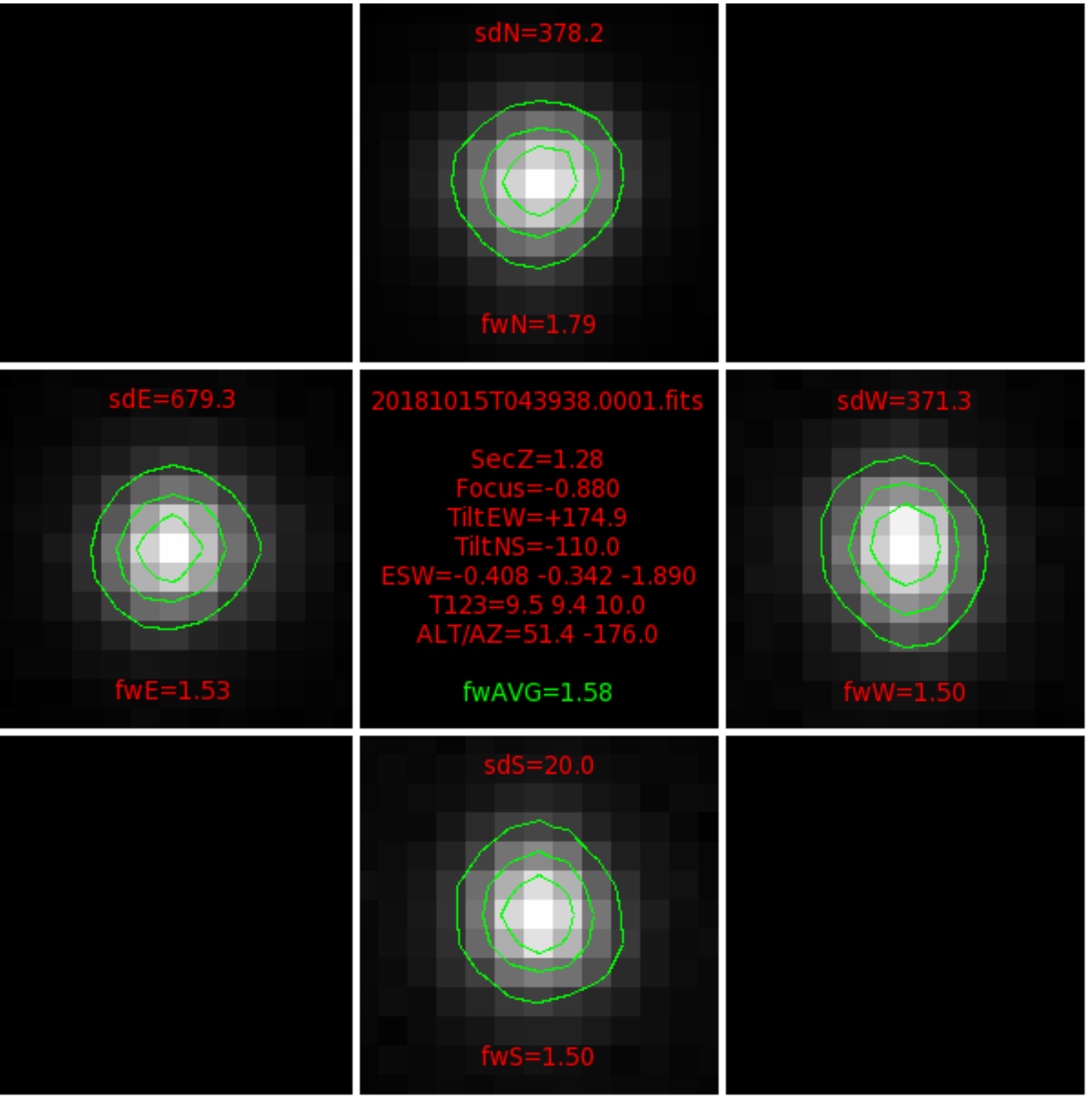

sdN=426.6
fwN=1.67
sdE=771.7
fwE=1.51
20181015T043857.0001.fits
SecZ=1.28
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.5 9.3 10.0
ALT/AZ=51.4 -176.3
fwAVG=1.53
sdW=402.3
fwW=1.46
sdS=21.0
fwS=1.54
0 0 0 0 0 0 0 0 0


sdN=378.2
fwN=1.79
sdE=679.3
fwE=1.53
20181015T043938.0001.fits
SecZ=1.28
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.5 9.4 10.0
ALT/AZ=51.4 -176.0
fwAVG=1.58
sdW=371.3
fwW=1.50
sdS=20.0
fwS=1.50
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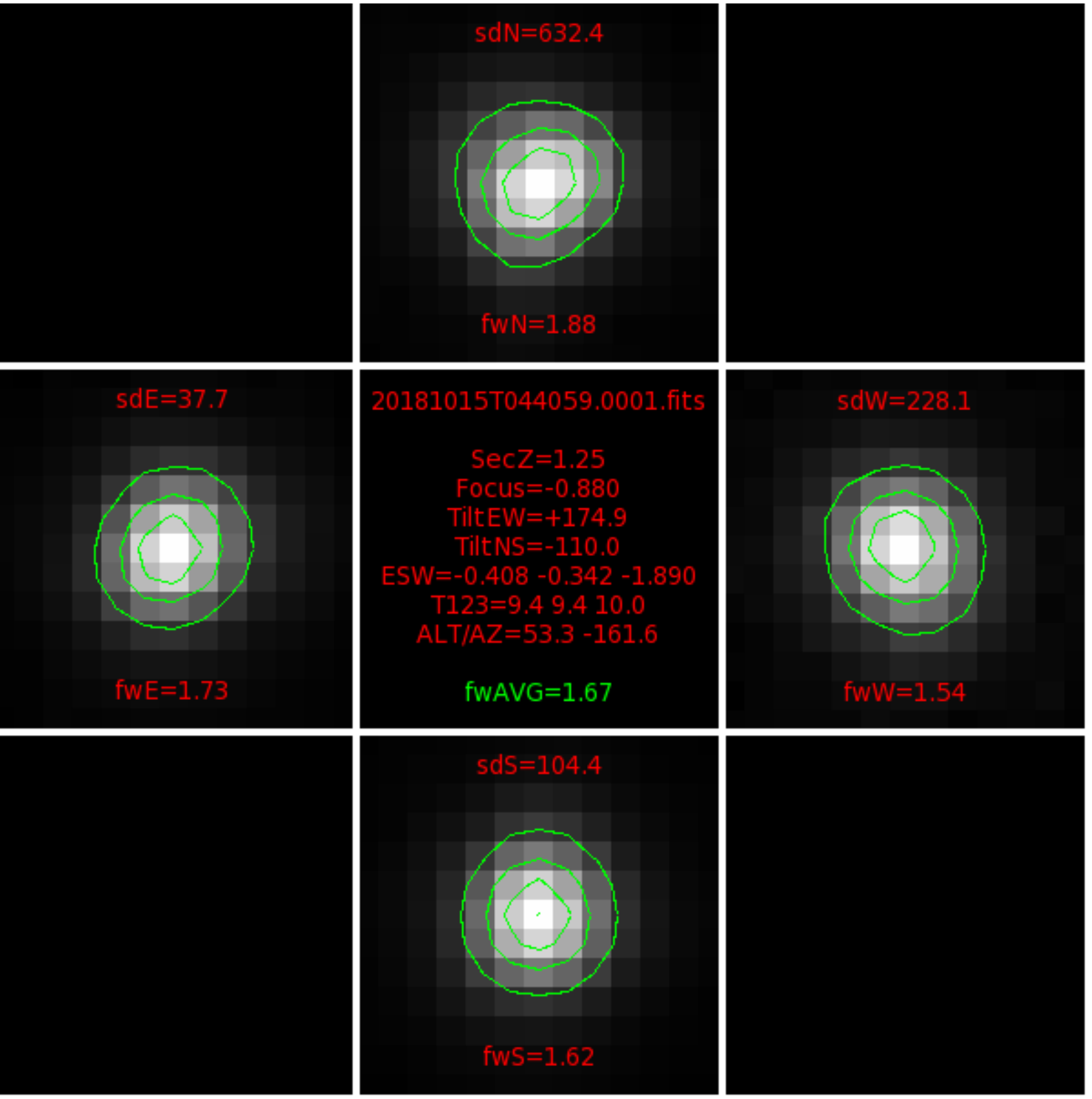
sdN=632.4
fwN=1.88
sdE=37.7
fwE=1.73
20181015T044059.0001.fits
SecZ=1.25
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.4 10.0
ALT/AZ=53.3 -161.6
fwAVG=1.67
sdW=228.1
fwW=1.54
sdS=104.4
fwS=1.62
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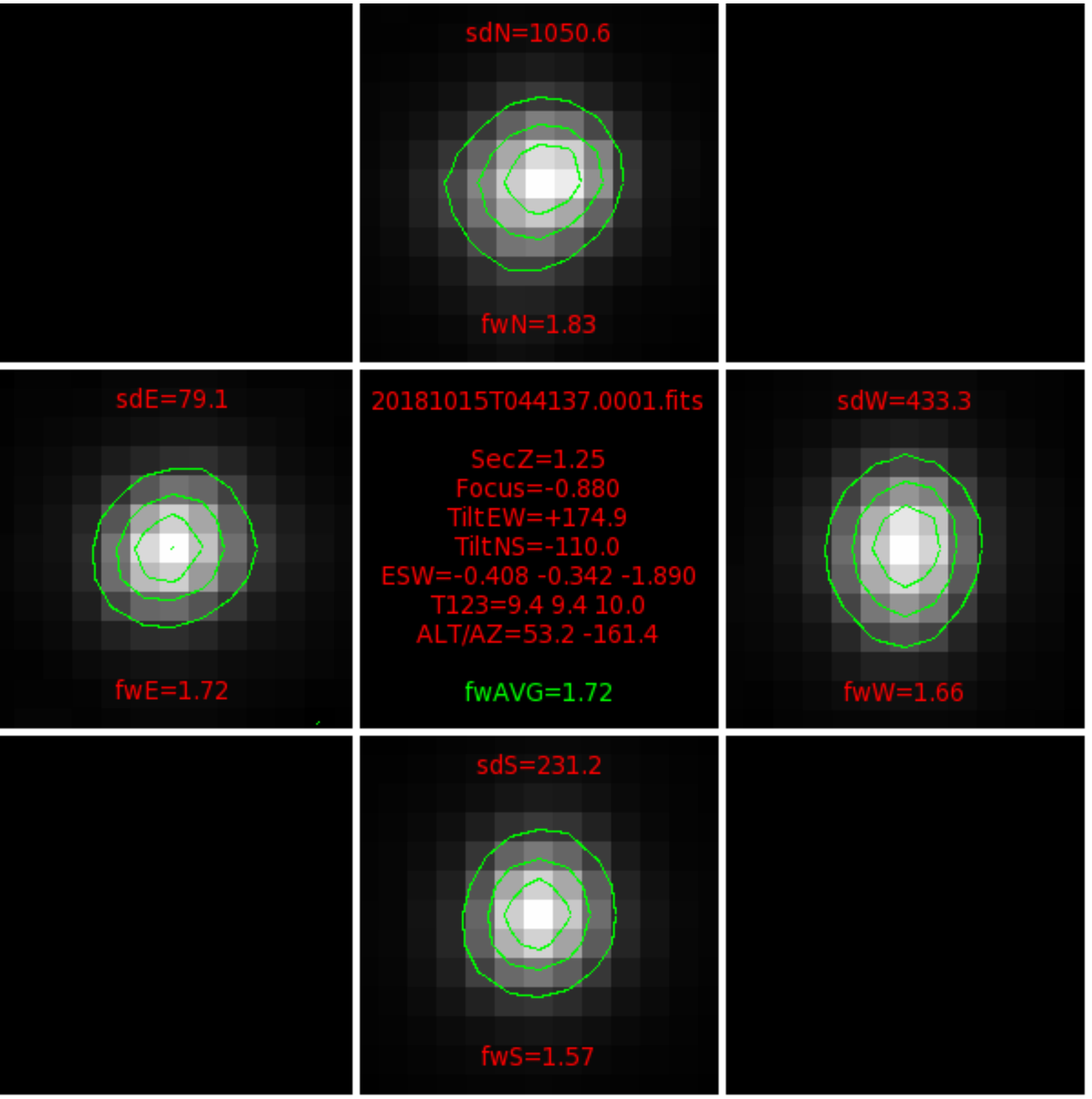
sdN=1050.6
fwN=1.83
sdE=79.1
fwE=1.72
20181015T044137.0001.fits
SecZ=1.25
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.4 10.0
ALT/AZ=53.2 -161.4
fwAVG=1.72
sdW=433.3
fwW=1.66
sdS=231.2
fwS=1.57
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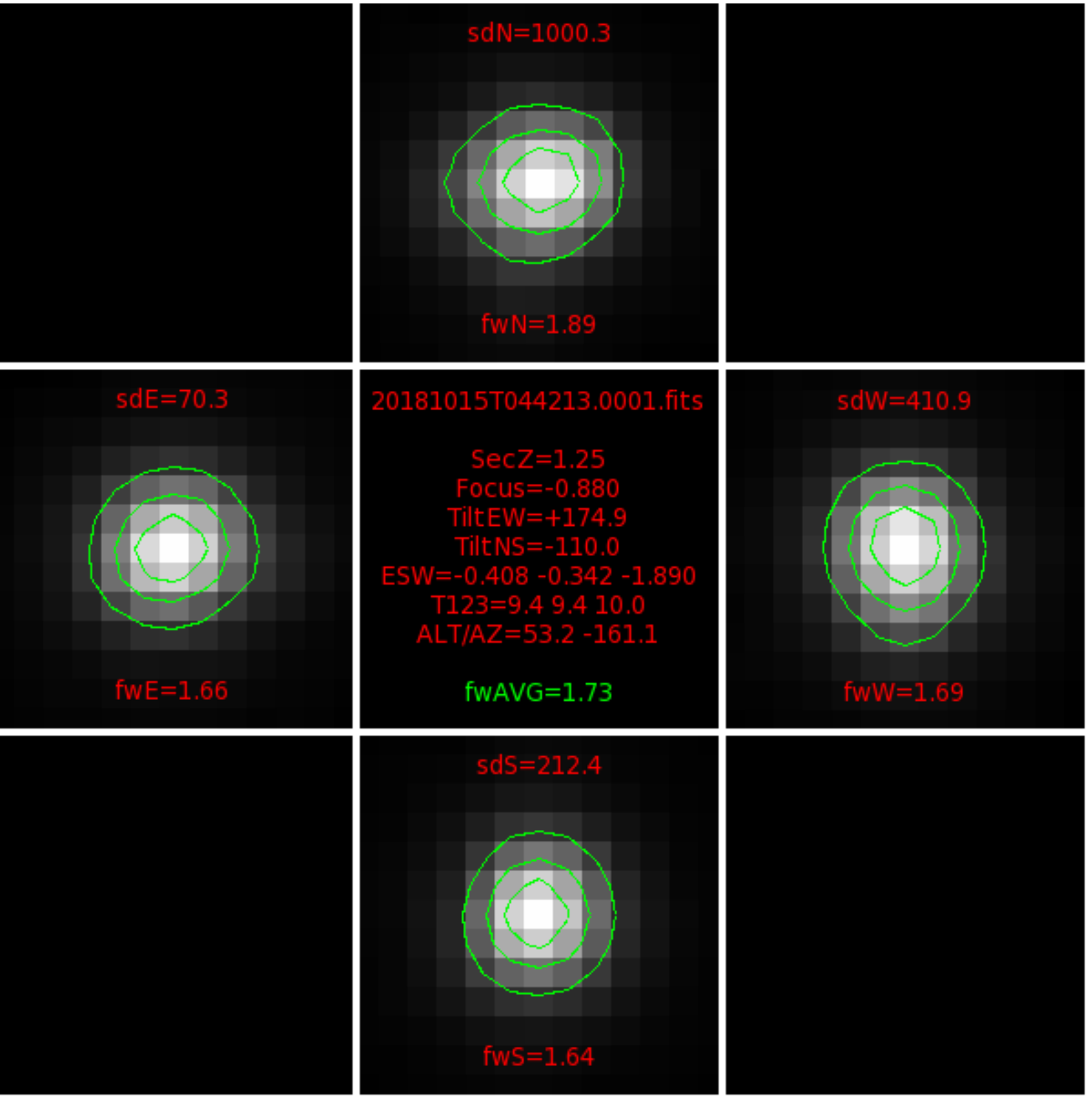
sdN=1000.3
fwN=1.89
sdE=70.3
fwE=1.66
20181015T044213.0001.fits
SecZ=1.25
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.4 10.0
ALT/AZ=53.2 -161.1
fwAVG=1.73
sdW=410.9
fwW=1.69
sdS=212.4
fwS=1.64
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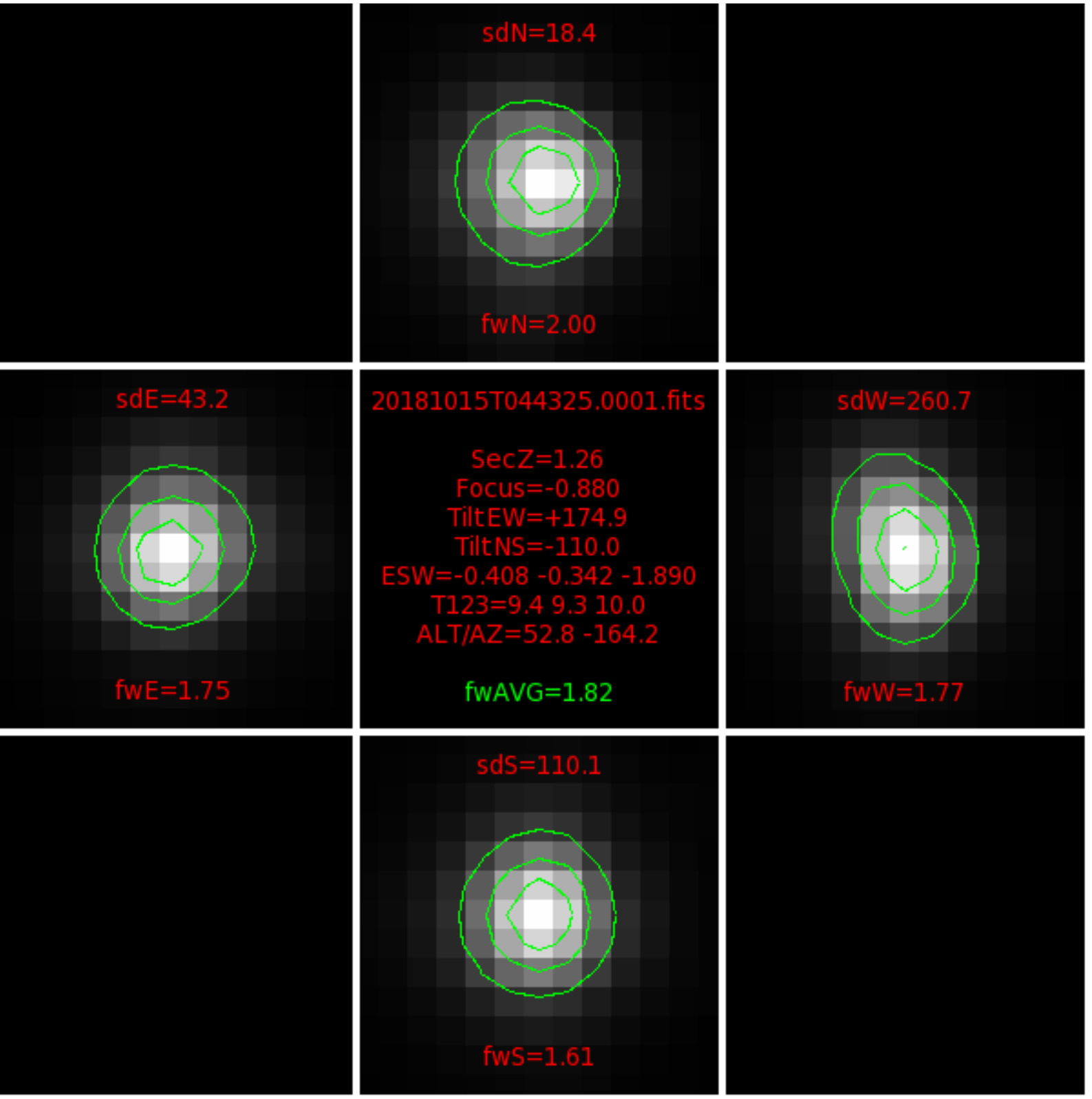
sdN=18.4
fwN=2.00
sdE=43.2
fwE=1.75
20181015T044325.0001.fits
SecZ=1.26
Focus=-0.880
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.408 -0.342 -1.890
T123=9.4 9.3 10.0
ALT/AZ=52.8 -164.2
fwAVG=1.82
sdW=260.7
fwW=1.77
sdS=110.1
fwS=1.61
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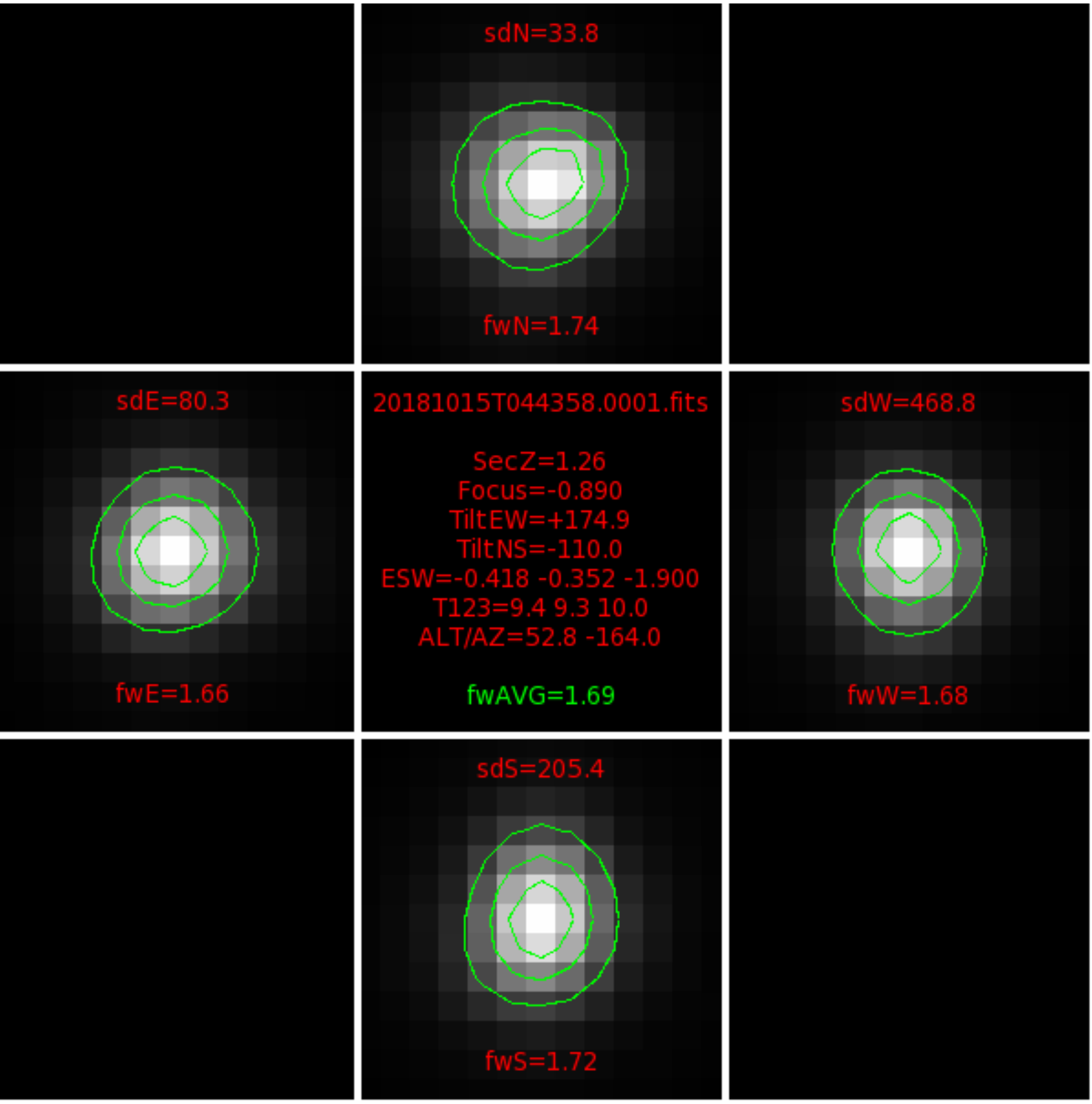
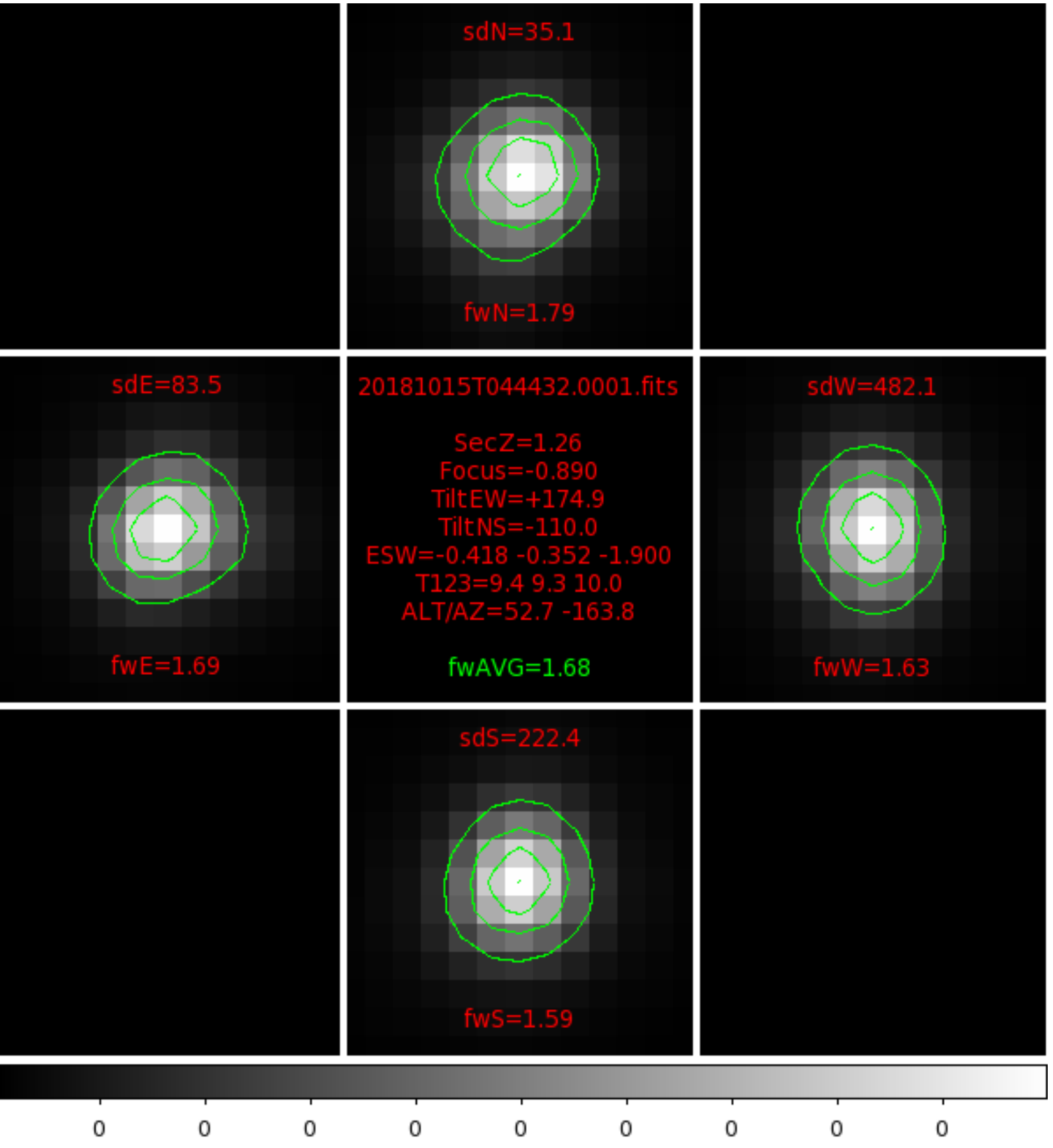

sdN=33.8
fwN=1.74
sdE=80.3
fwE=1.66
20181015T044358.0001.fits
SecZ=1.26
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.3 10.0
ALT/AZ=52.8 -164.0
fwAVG=1.69
sdW=468.8
fwW=1.68
sdS=205.4
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=35.1
fwN=1.79
sdE=83.5
fwE=1.69
20181015T044432.0001.fits
SecZ=1.26
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.3 10.0
ALT/AZ=52.7 -163.8
fwAVG=1.68
sdW=482.1
fwW=1.63
sdS=222.4
fwS=1.59
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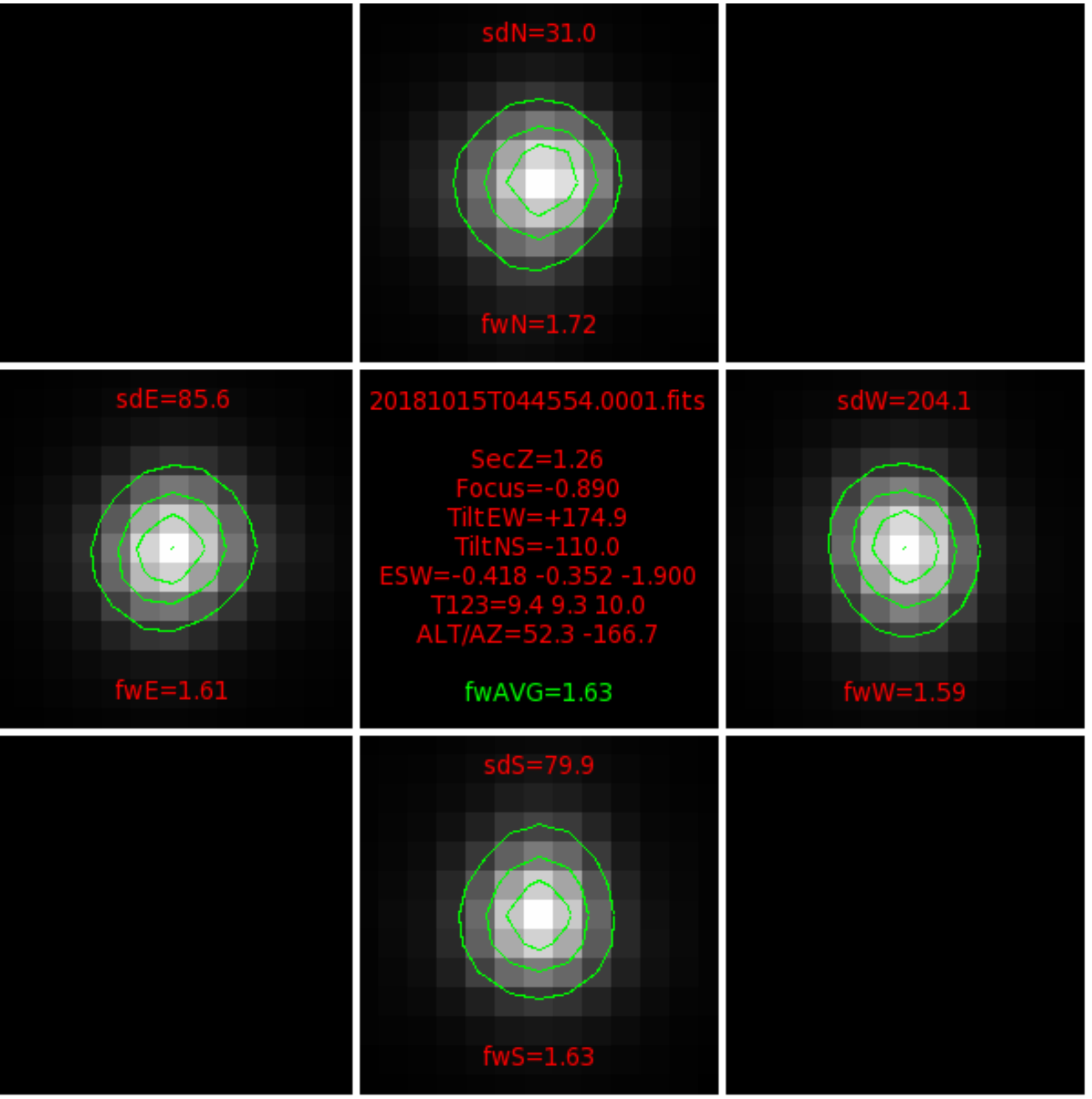
sdN=31.0
fwN=1.72
sdE=85.6
fwE=1.61
20181015T044554.0001.fits
SecZ=1.26
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.3 10.0
ALT/AZ=52.3 -166.7
fwAVG=1.63
sdW=204.1
fwW=1.59
sdS=79.9
fwS=1.63
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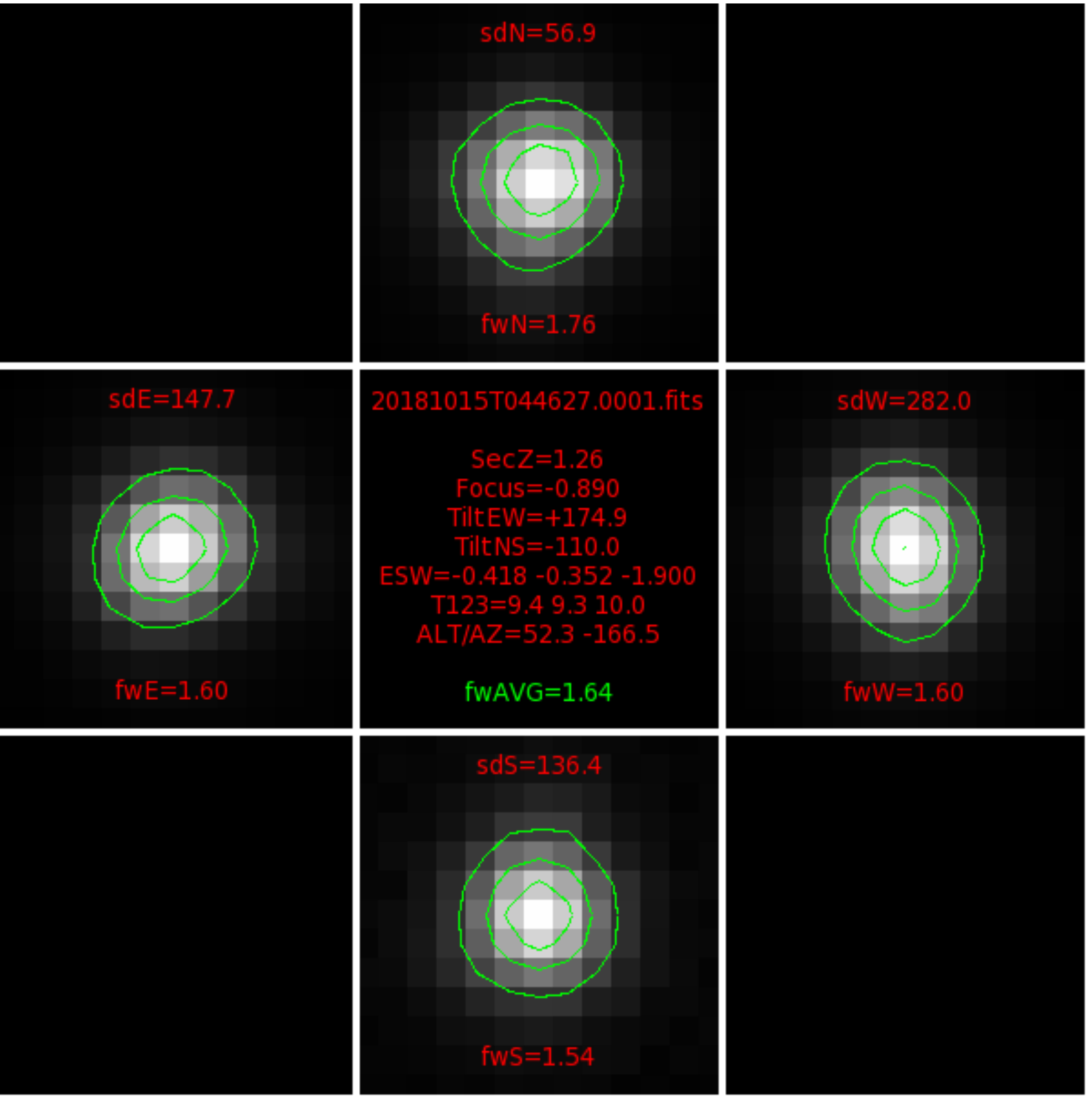
sdN=56.9
fwN=1.76
sdE=147.7
fwE=1.60
20181015T044627.0001.fits
SecZ=1.26
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.3 10.0
ALT/AZ=52.3 -166.5
fwAVG=1.64
sdW=282.0
fwW=1.60
sdS=136.4
fwS=1.54
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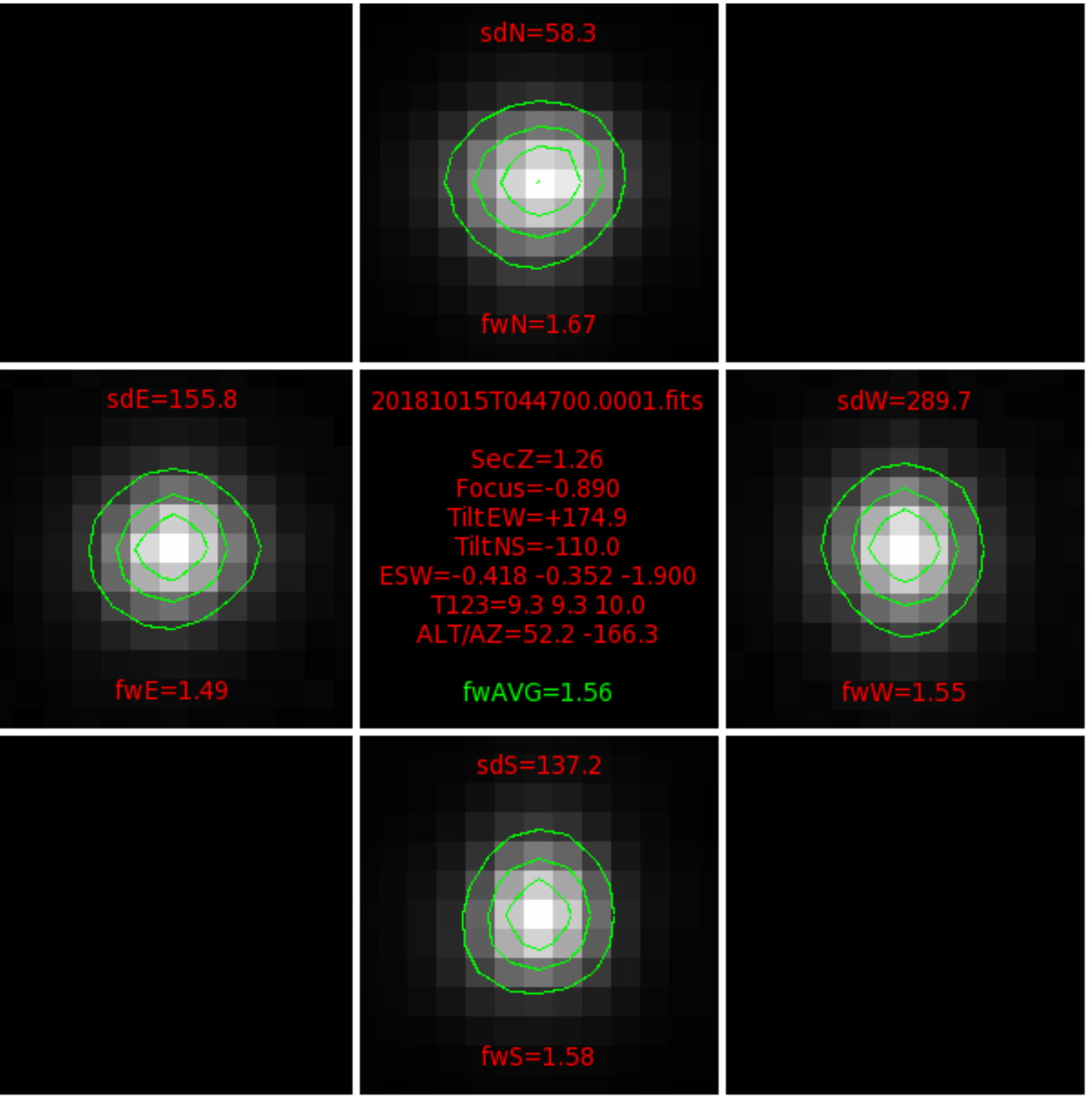
sdN=58.3
fwN=1.67
sdE=155.8
fwE=1.49
20181015T044700.0001.fits
SecZ=1.26
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.3 9.3 10.0
ALT/AZ=52.2 -166.3
fwAVG=1.56
sdW=289.7
fwW=1.55
sdS=137.2
fwS=1.58
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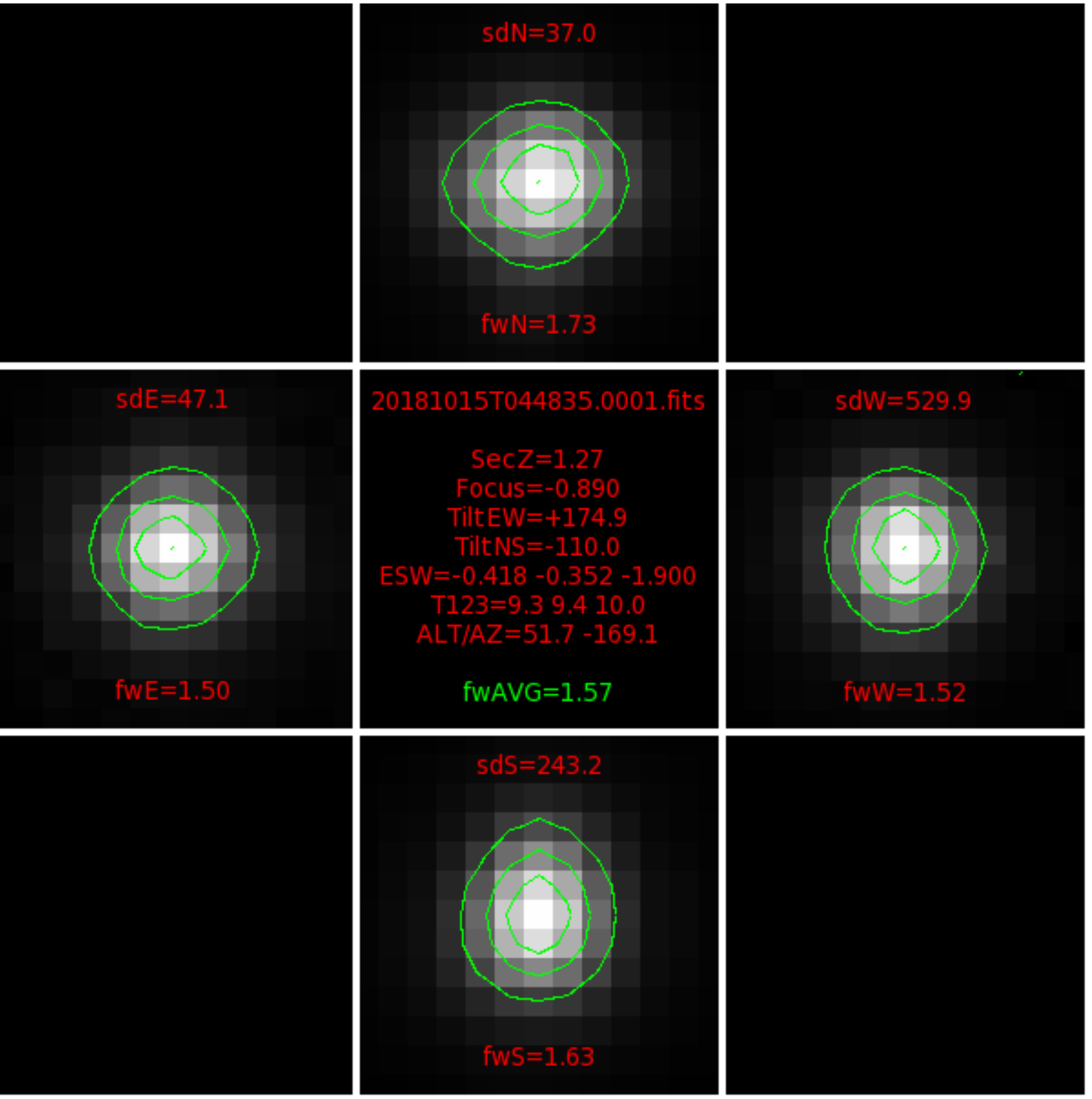
sdN=37.0
fwN=1.73
sdE=47.1
fwE=1.50
20181015T044835.0001.fits
SecZ=1.27
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.3 9.4 10.0
ALT/AZ=51.7 -169.1
fwAVG=1.57
sdW=529.9
fwW=1.52
sdS=243.2
fwS=1.63
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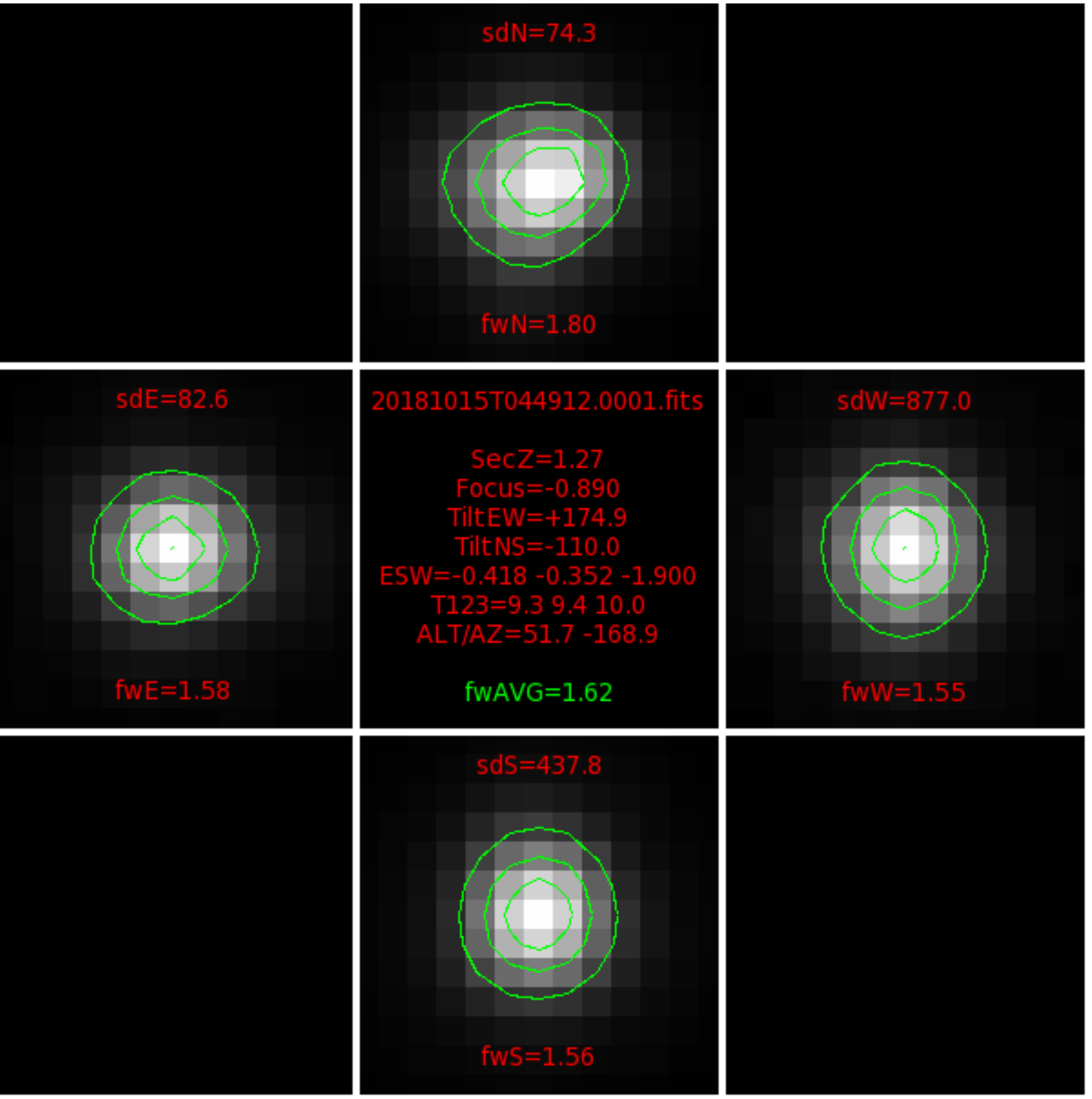
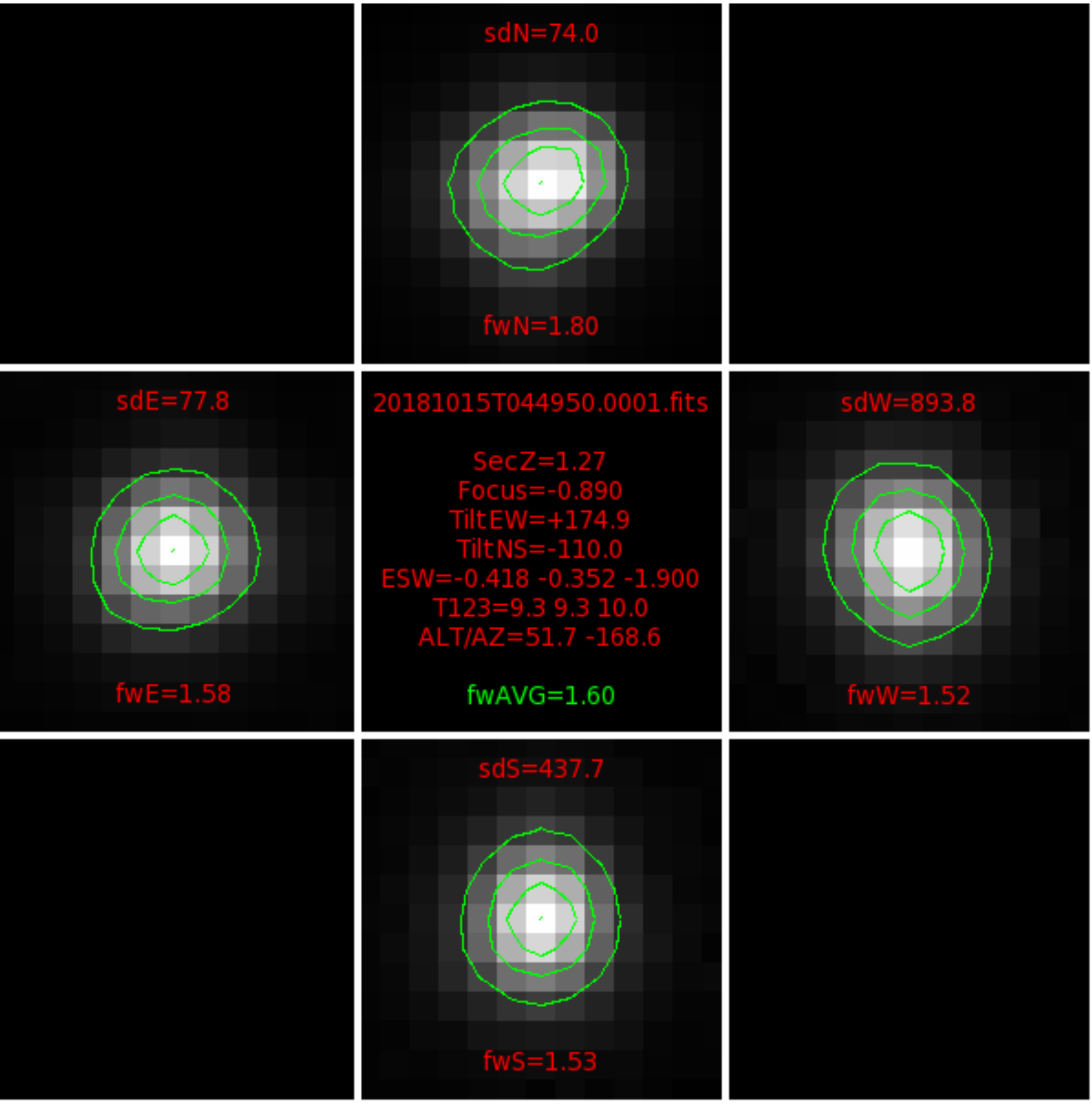
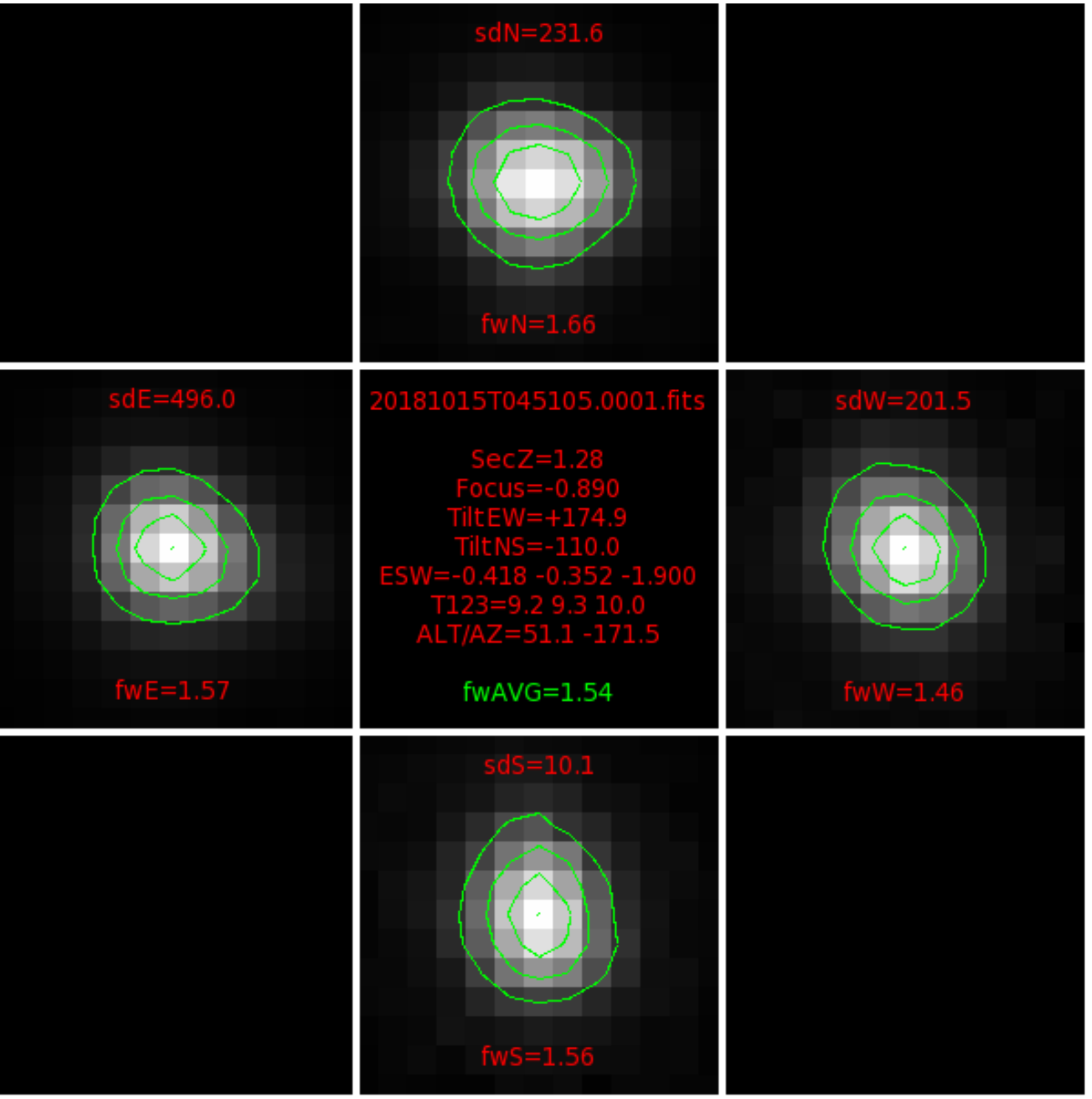
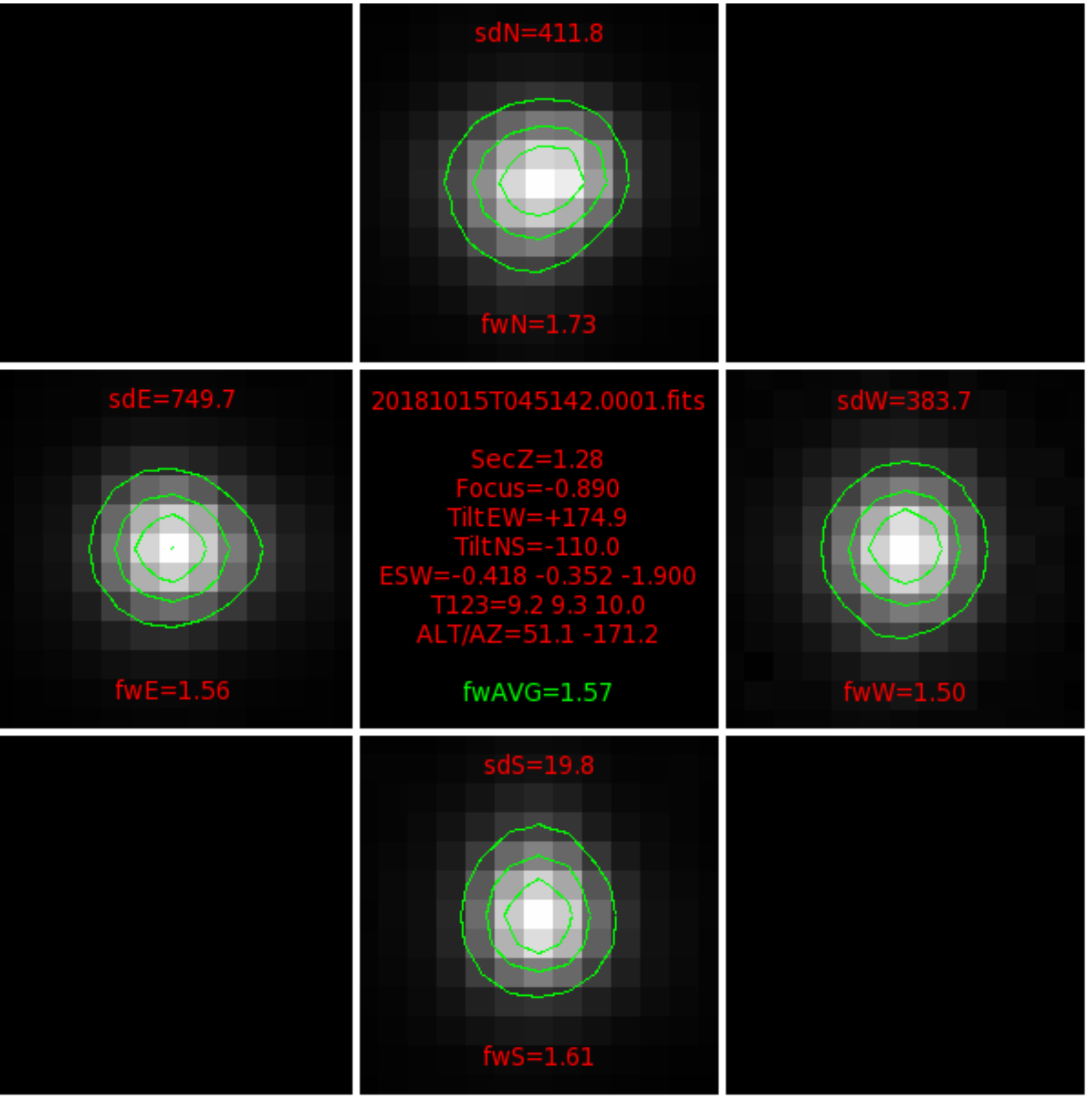
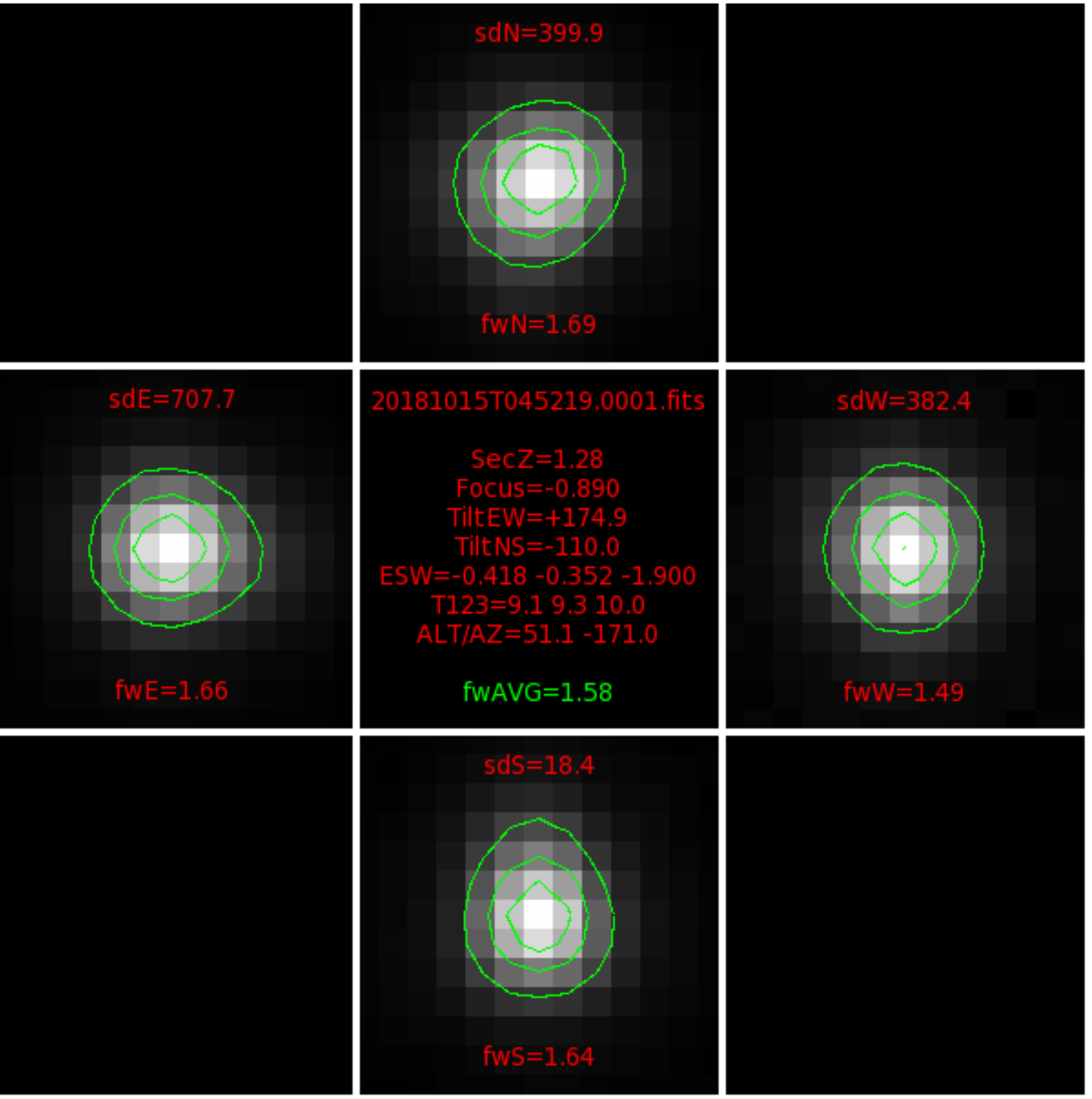

sdN=74.3
fwN=1.80
sdE=82.6
fwE=1.58
20181015T044912.0001.fits
SecZ=1.27
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.3 9.4 10.0
ALT/AZ=51.7 -168.9
fwAVG=1.62
sdW=877.0
fwW=1.55
sdS=437.8
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=74.0
fwN=1.80
sdE=77.8
fwE=1.58
20181015T044950.0001.fits
SecZ=1.27
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.3 9.3 10.0
ALT/AZ=51.7 -168.6
fwAVG=1.60
sdW=893.8
fwW=1.52
sdS=437.7
fwS=1.53
0 0 0 0 0 0 0 0 0


sdN=231.6
fwN=1.66
sdE=496.0
fwE=1.57
20181015T045105.0001.fits
SecZ=1.28
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.2 9.3 10.0
ALT/AZ=51.1 -171.5
fwAVG=1.54
sdW=201.5
fwW=1.46
sdS=10.1
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=411.8
fwN=1.73
sdE=749.7
fwE=1.56
20181015T045142.0001.fits
SecZ=1.28
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.2 9.3 10.0
ALT/AZ=51.1 -171.2
fwAVG=1.57
sdW=383.7
fwW=1.50
sdS=19.8
fwS=1.61
0 0 0 0 0 0 0 0 0


sdN=399.9
fwN=1.69
sdE=707.7
fwE=1.66
20181015T045219.0001.fits
SecZ=1.28
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.3 10.0
ALT/AZ=51.1 -171.0
fwAVG=1.58
sdW=382.4
fwW=1.49
sdS=18.4
fwS=1.64
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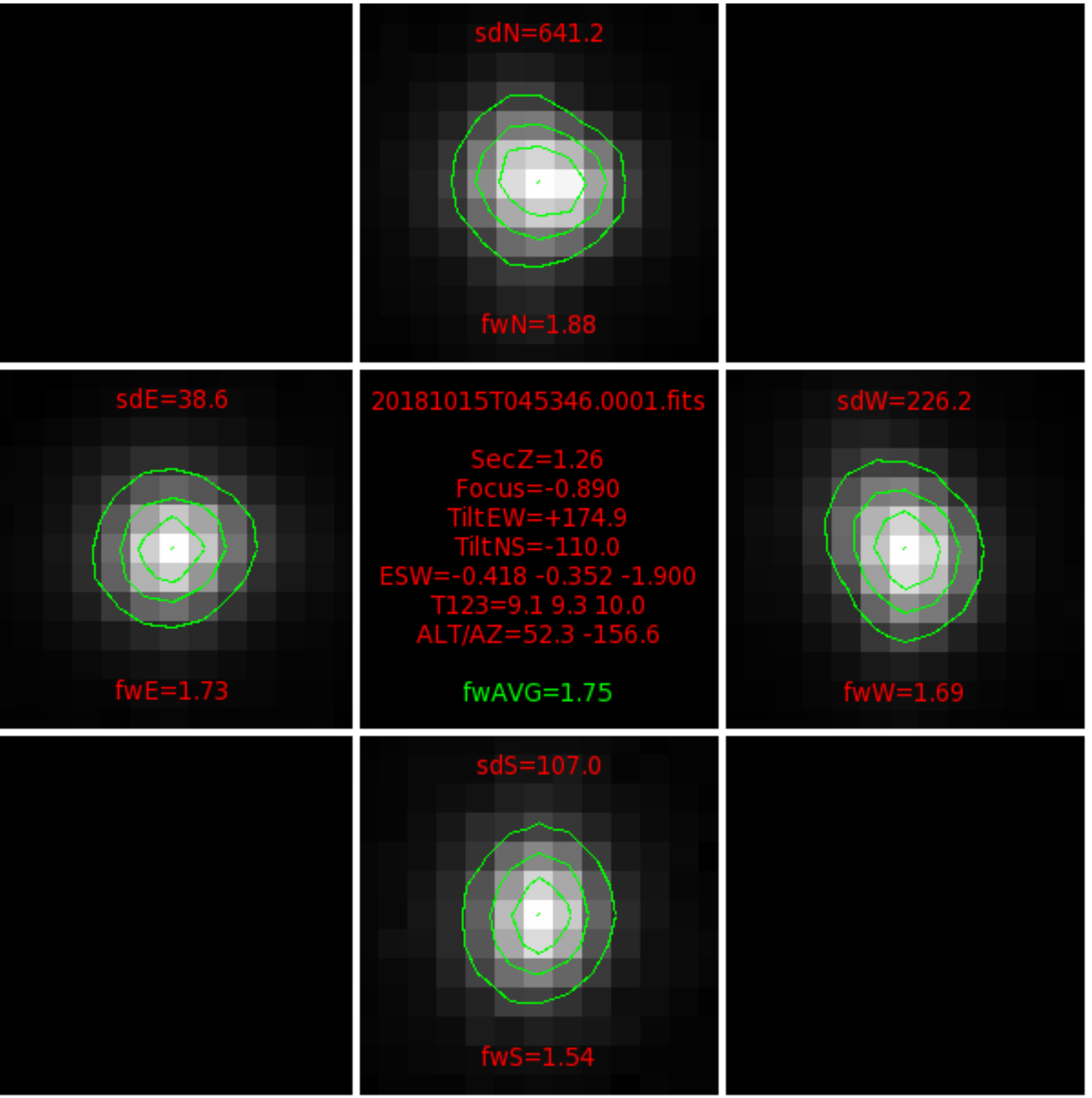
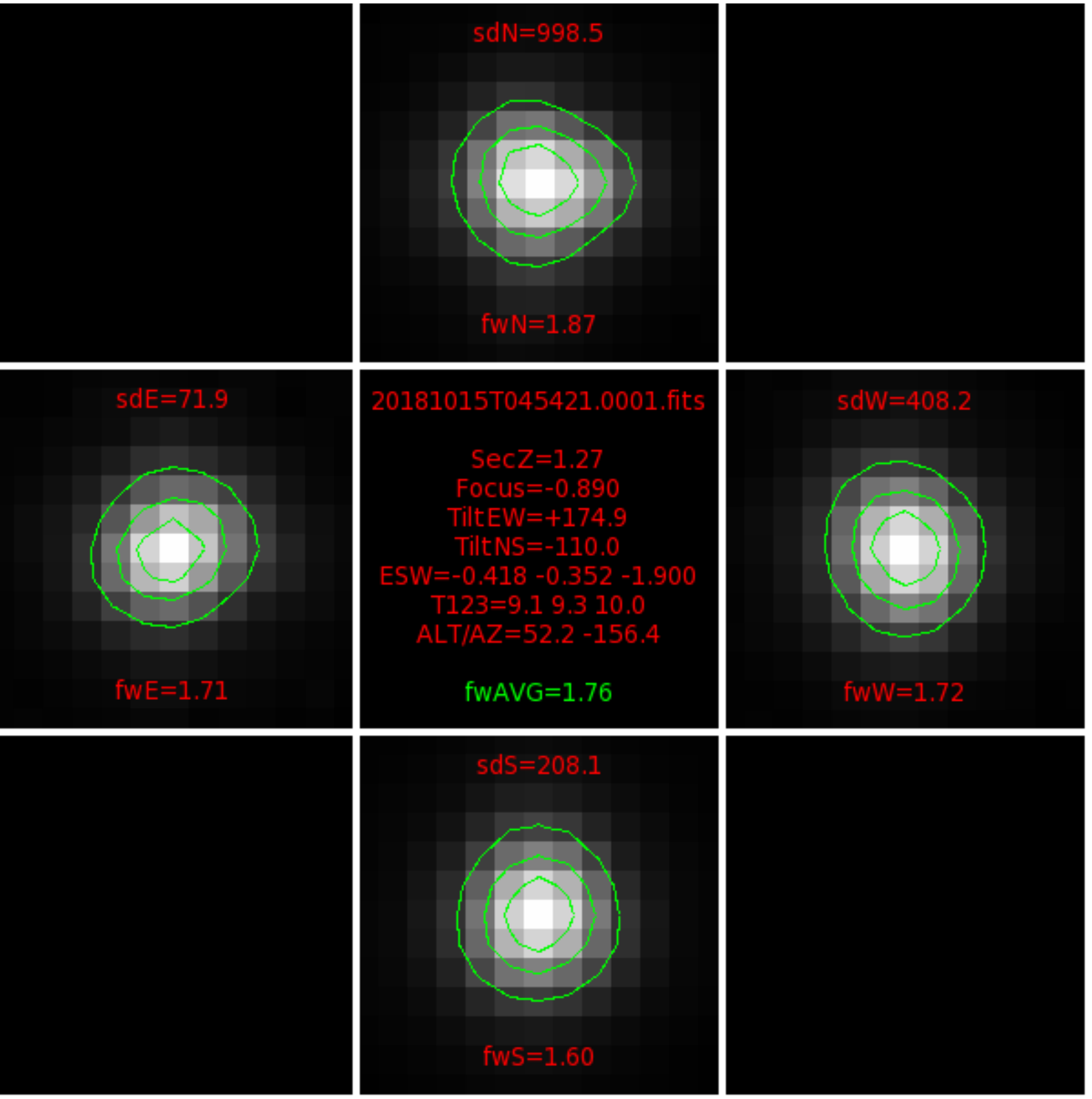

sdN=641.2
fwN=1.88
sdE=38.6
fwE=1.73
20181015T045346.0001.fits
SecZ=1.26
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.3 10.0
ALT/AZ=52.3 -156.6
fwAVG=1.75
sdW=226.2
fwW=1.69
sdS=107.0
fwS=1.54
0 0 0 0 0 0 0 0 0


sdN=998.5
fwN=1.87
sdE=71.9
fwE=1.71
20181015T045421.0001.fits
SecZ=1.27
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.3 10.0
ALT/AZ=52.2 -156.4
fwAVG=1.76
sdW=408.2
fwW=1.72
sdS=208.1
fwS=1.60
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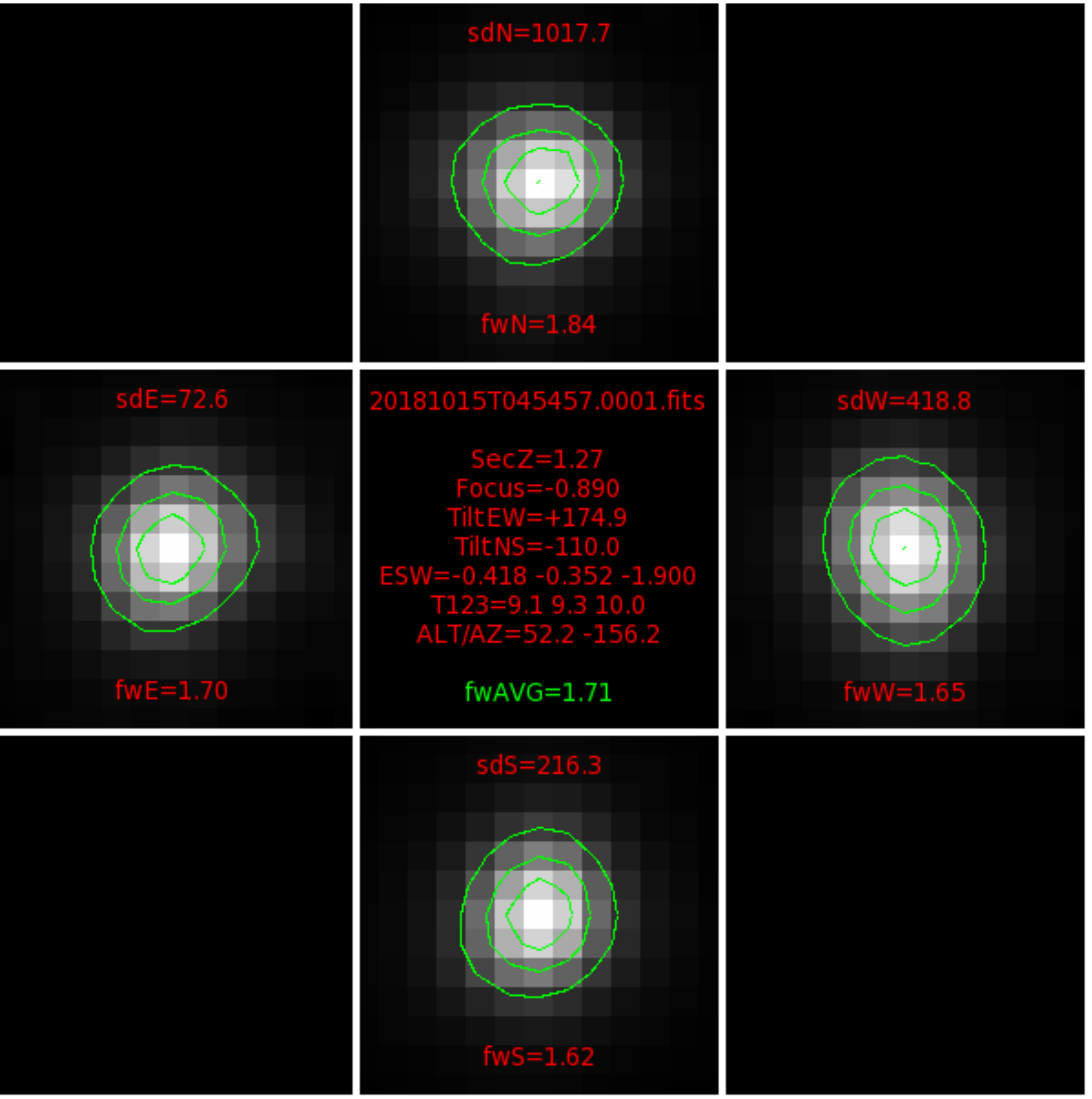
sdN=1017.7
fwN=1.84
sdE=72.6
fwE=1.70
20181015T045457.0001.fits
SecZ=1.27
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.3 10.0
ALT/AZ=52.2 -156.2
fwAVG=1.71
sdW=418.8
fwW=1.65
sdS=216.3
fwS=1.62
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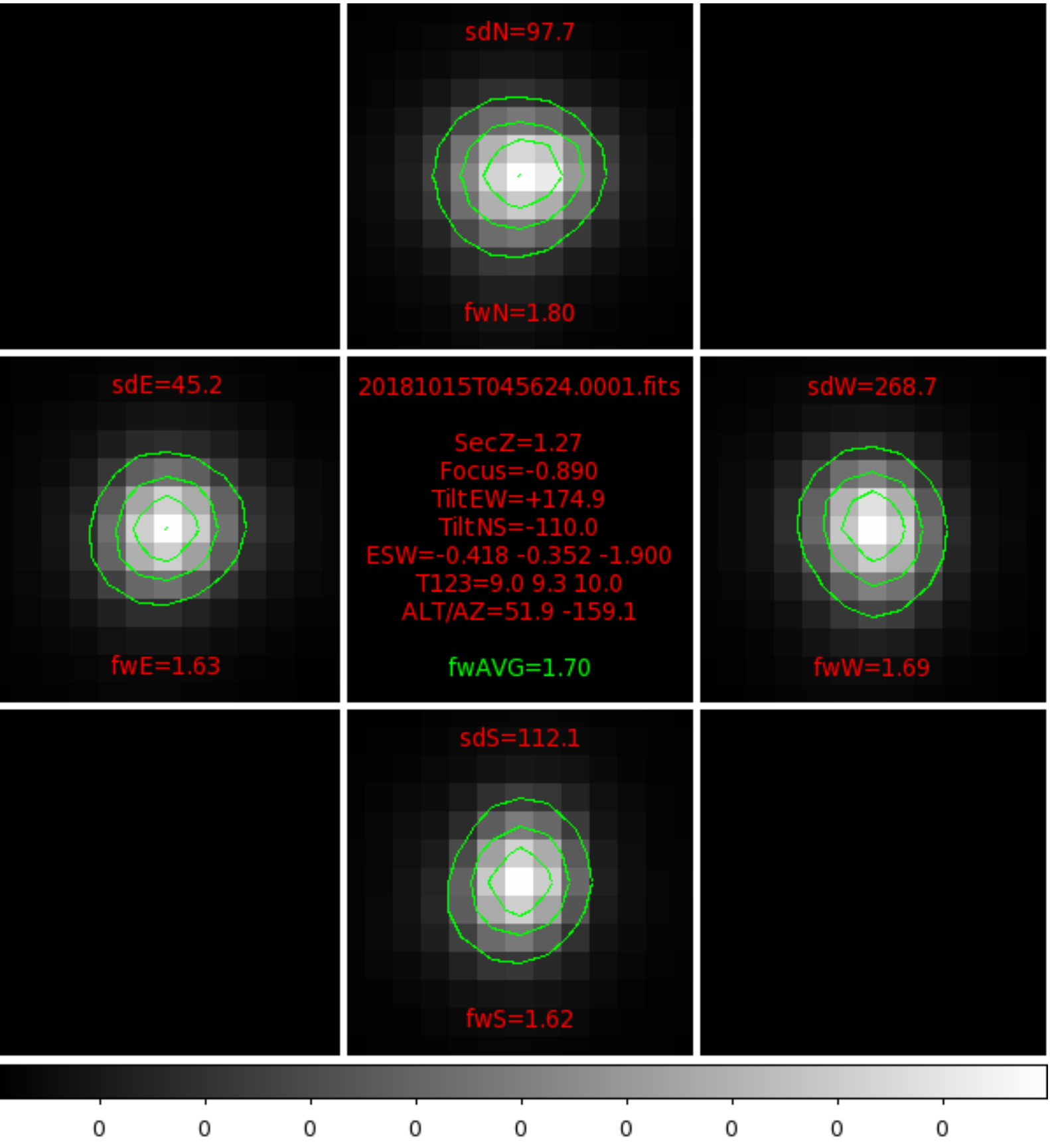
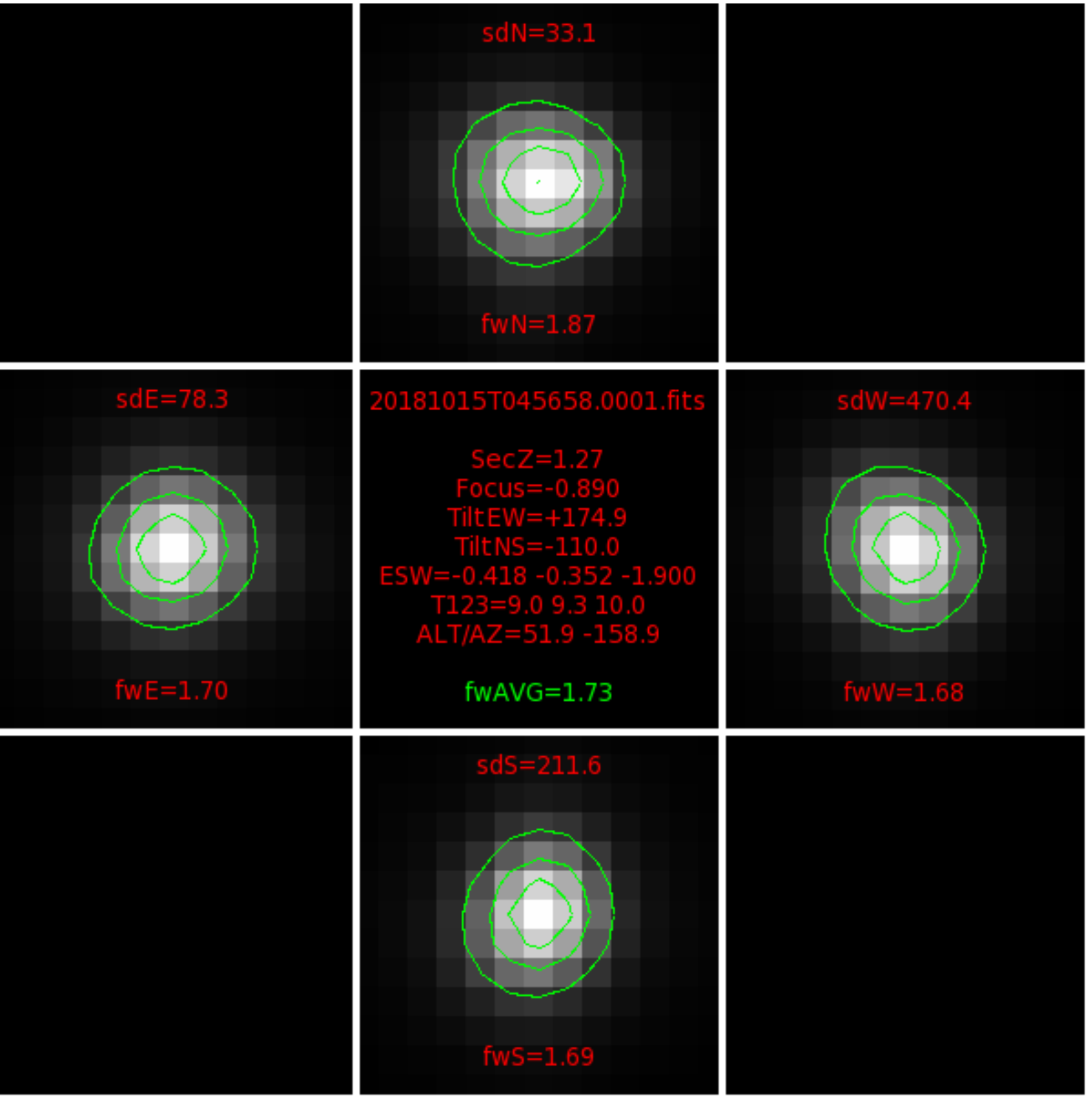
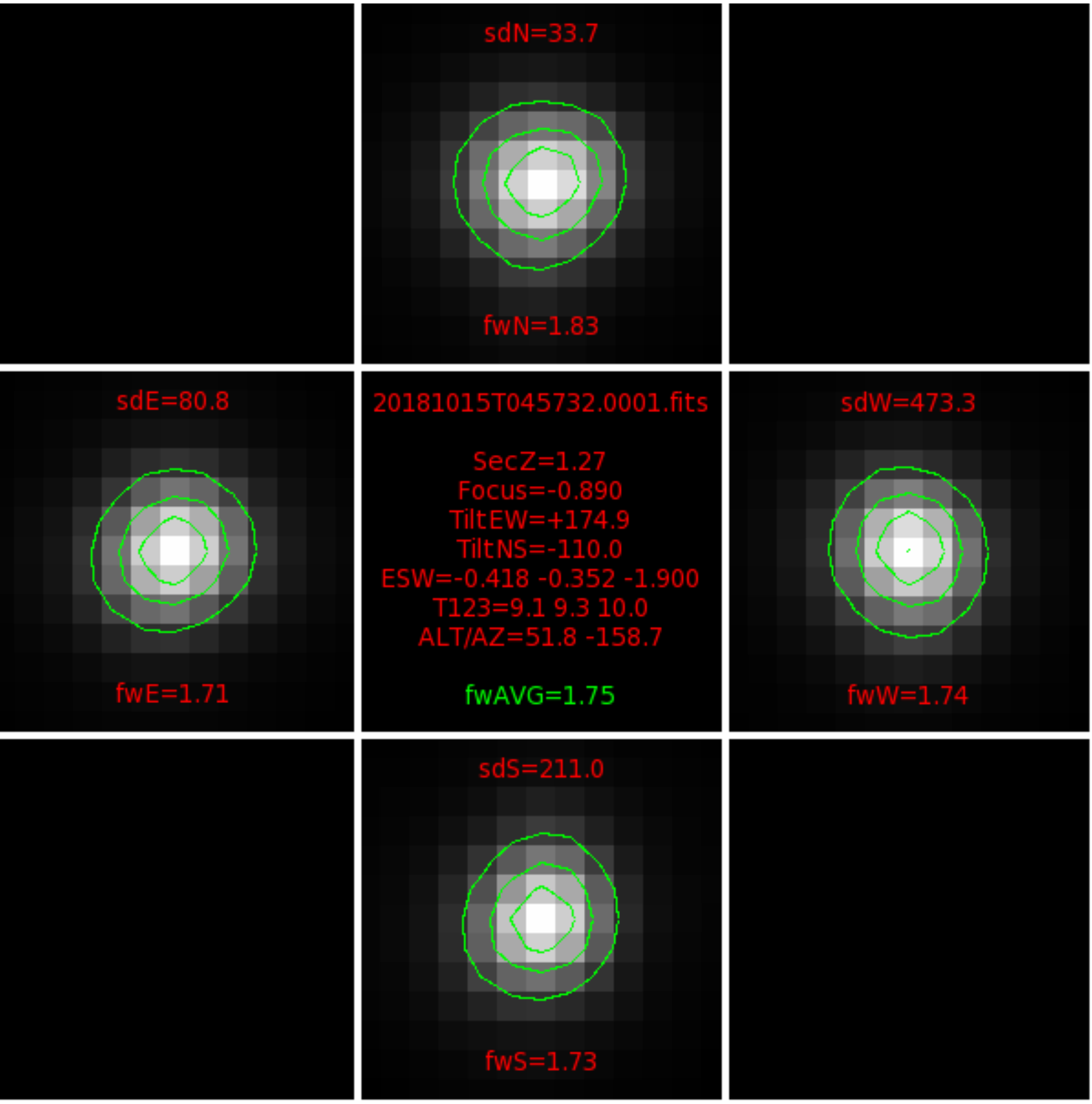
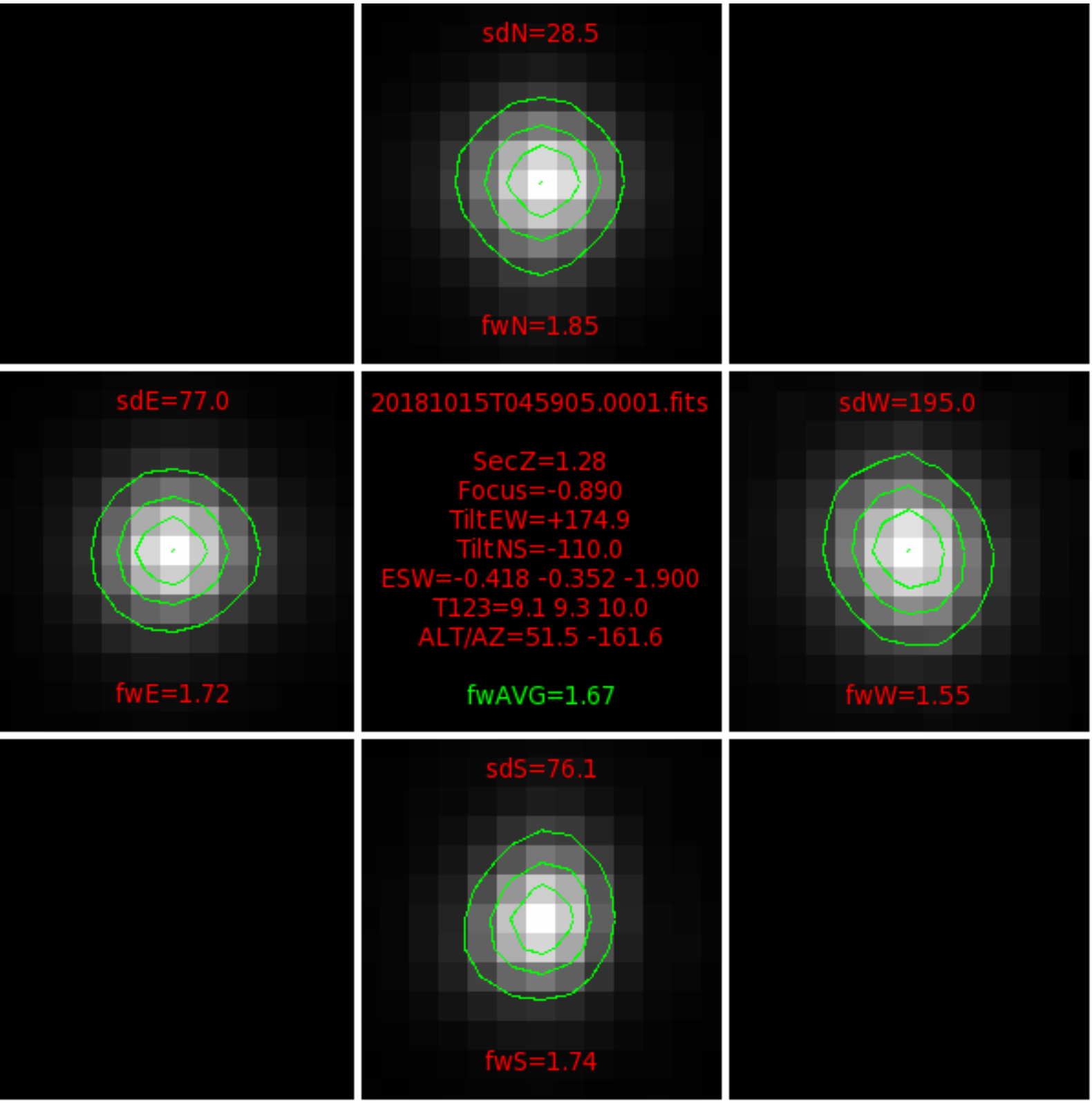

sdN=97.7
fwN=1.80
sdE=45.2
fwE=1.63
20181015T045624.0001.fits
SecZ=1.27
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.3 10.0
ALT/AZ=51.9 -159.1
fwAVG=1.70
sdW=268.7
fwW=1.69
sdS=112.1
fwS=1.62
0 0 0 0 0 0 0 0 0


sdN=33.1
fwN=1.87
sdE=78.3
fwE=1.70
20181015T045658.0001.fits
SecZ=1.27
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.3 10.0
ALT/AZ=51.9 -158.9
fwAVG=1.73
sdW=470.4
fwW=1.68
sdS=211.6
fwS=1.69
0 0 0 0 0 0 0 0 0


sdN=33.7
fwN=1.83
sdE=80.8
fwE=1.71
20181015T045732.0001.fits
SecZ=1.27
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.3 10.0
ALT/AZ=51.8 -158.7
fwAVG=1.75
sdW=473.3
fwW=1.74
sdS=211.0
fwS=1.73
0 0 0 0 0 0 0 0 0


sdN=28.5
fwN=1.85
sdE=77.0
fwE=1.72
20181015T045905.0001.fits
SecZ=1.28
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.3 10.0
ALT/AZ=51.5 -161.6
fwAVG=1.67
sdW=195.0
fwW=1.55
sdS=76.1
fwS=1.74
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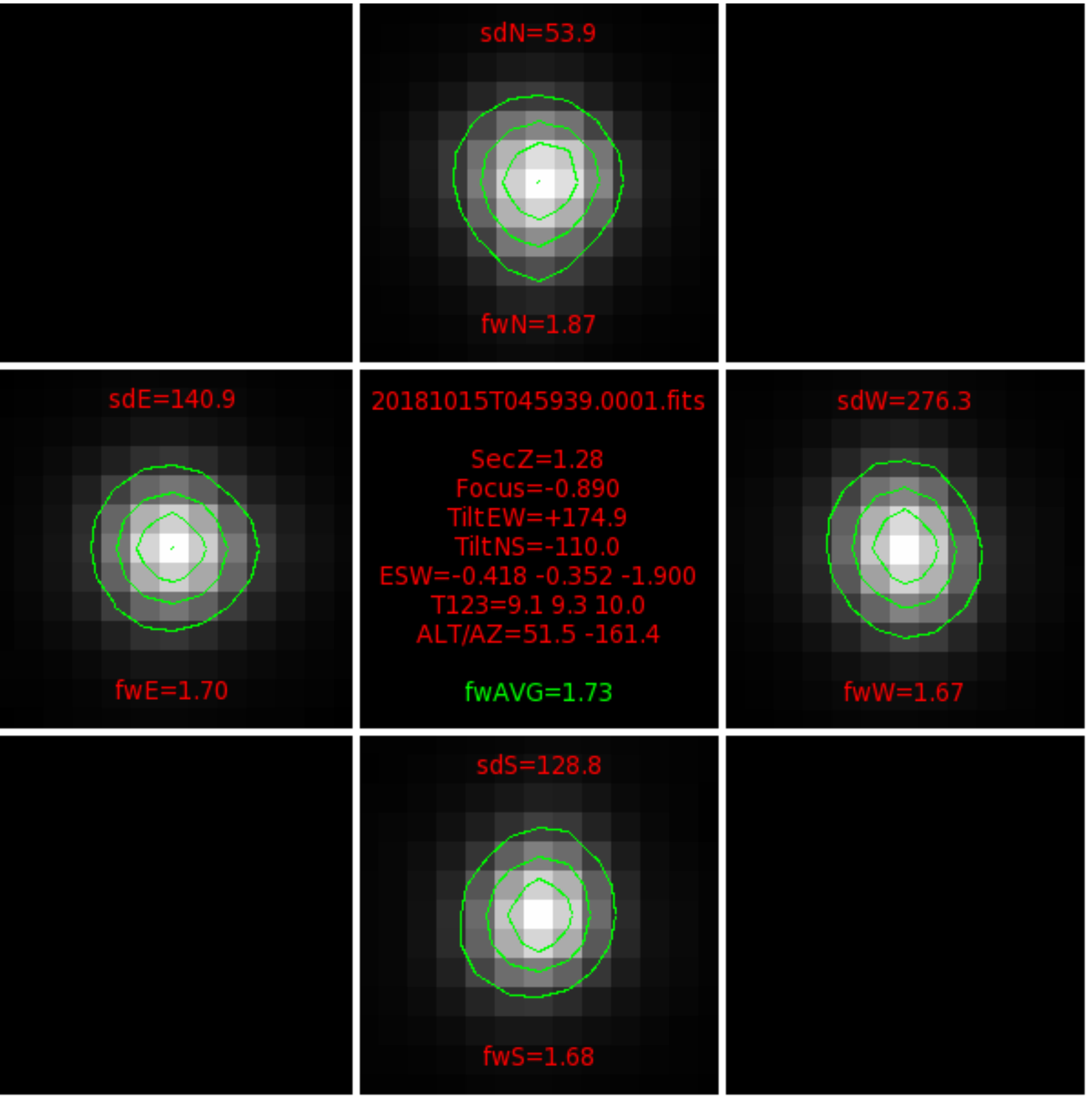
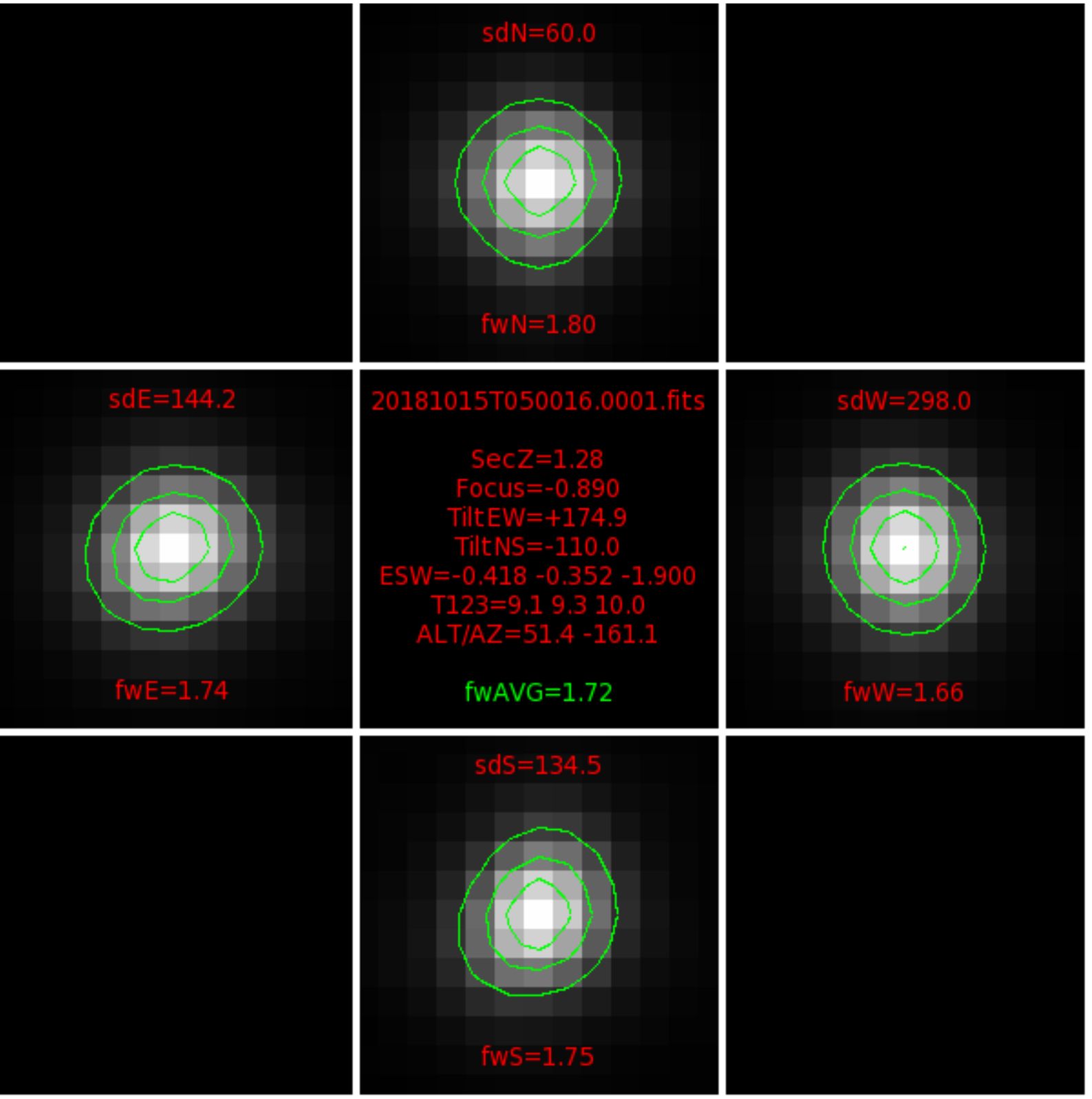
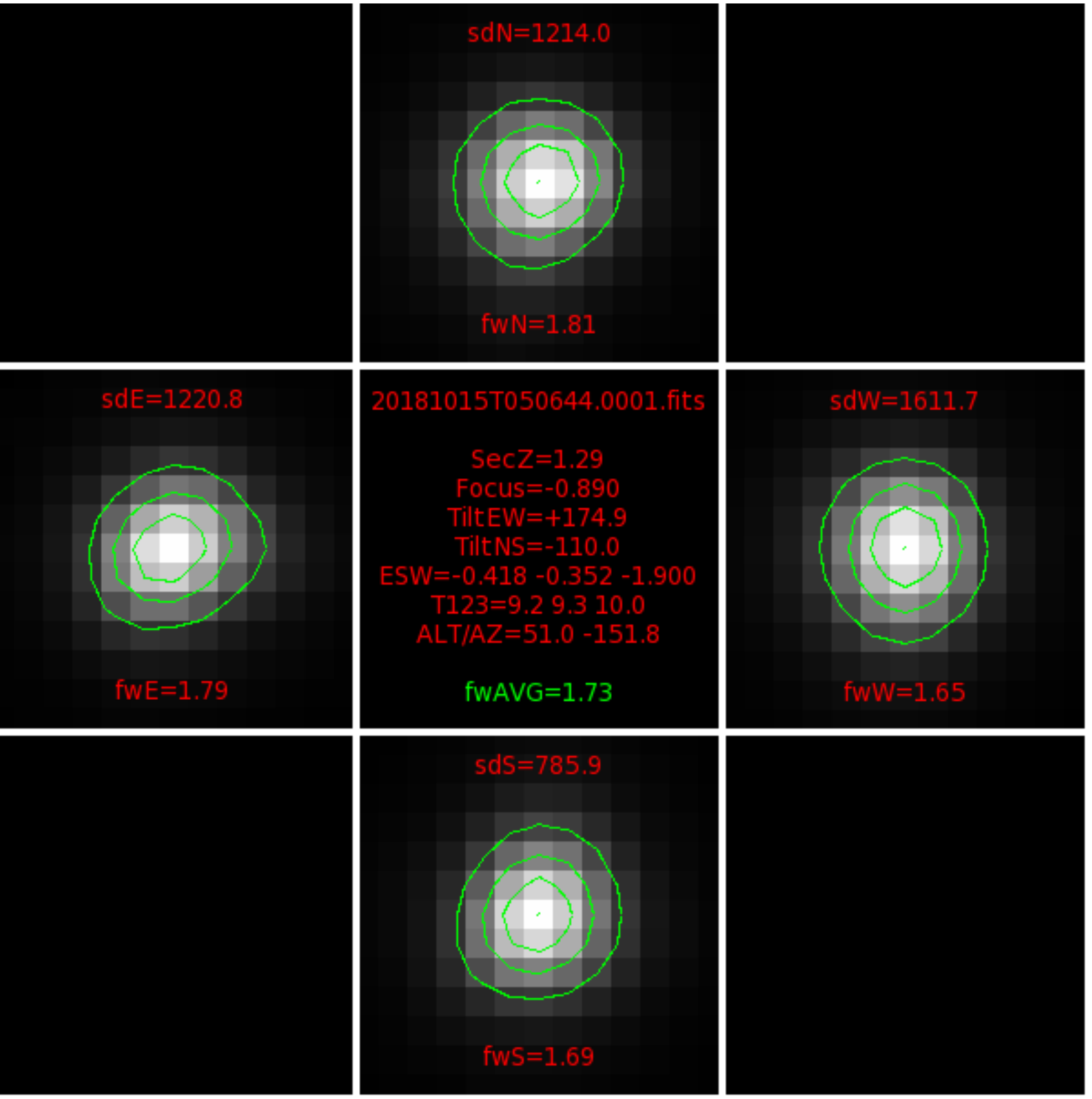
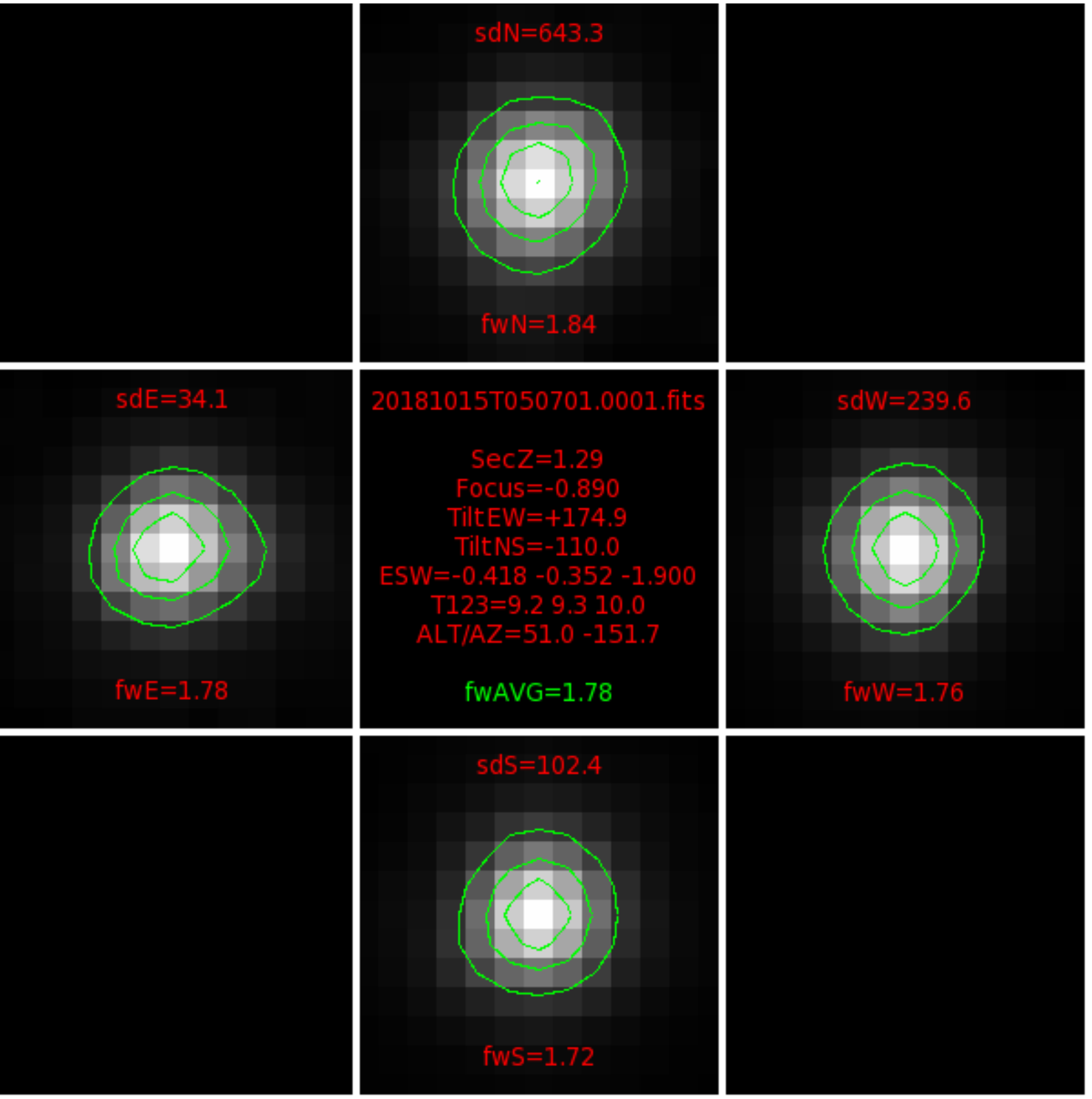

sdN=53.9
fwN=1.87
sdE=140.9
fwE=1.70
20181015T045939.0001.fits
SecZ=1.28
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.3 10.0
ALT/AZ=51.5 -161.4
fwAVG=1.73
sdW=276.3
fwW=1.67
sdS=128.8
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=60.0
fwN=1.80
sdE=144.2
fwE=1.74
20181015T050016.0001.fits
SecZ=1.28
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.3 10.0
ALT/AZ=51.4 -161.1
fwAVG=1.72
sdW=298.0
fwW=1.66
sdS=134.5
fwS=1.75
0 0 0 0 0 0 0 0 0


sdN=1214.0
fwN=1.81
sdE=1220.8
fwE=1.79
20181015T050644.0001.fits
SecZ=1.29
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.2 9.3 10.0
ALT/AZ=51.0 -151.8
fwAVG=1.73
sdW=1611.7
fwW=1.65
sdS=785.9
fwS=1.69
0 0 0 0 0 0 0 0 0


sdN=643.3
fwN=1.84
sdE=34.1
fwE=1.78
20181015T050701.0001.fits
SecZ=1.29
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.2 9.3 10.0
ALT/AZ=51.0 -151.7
fwAVG=1.78
sdW=239.6
fwW=1.76
sdS=102.4
fwS=1.72
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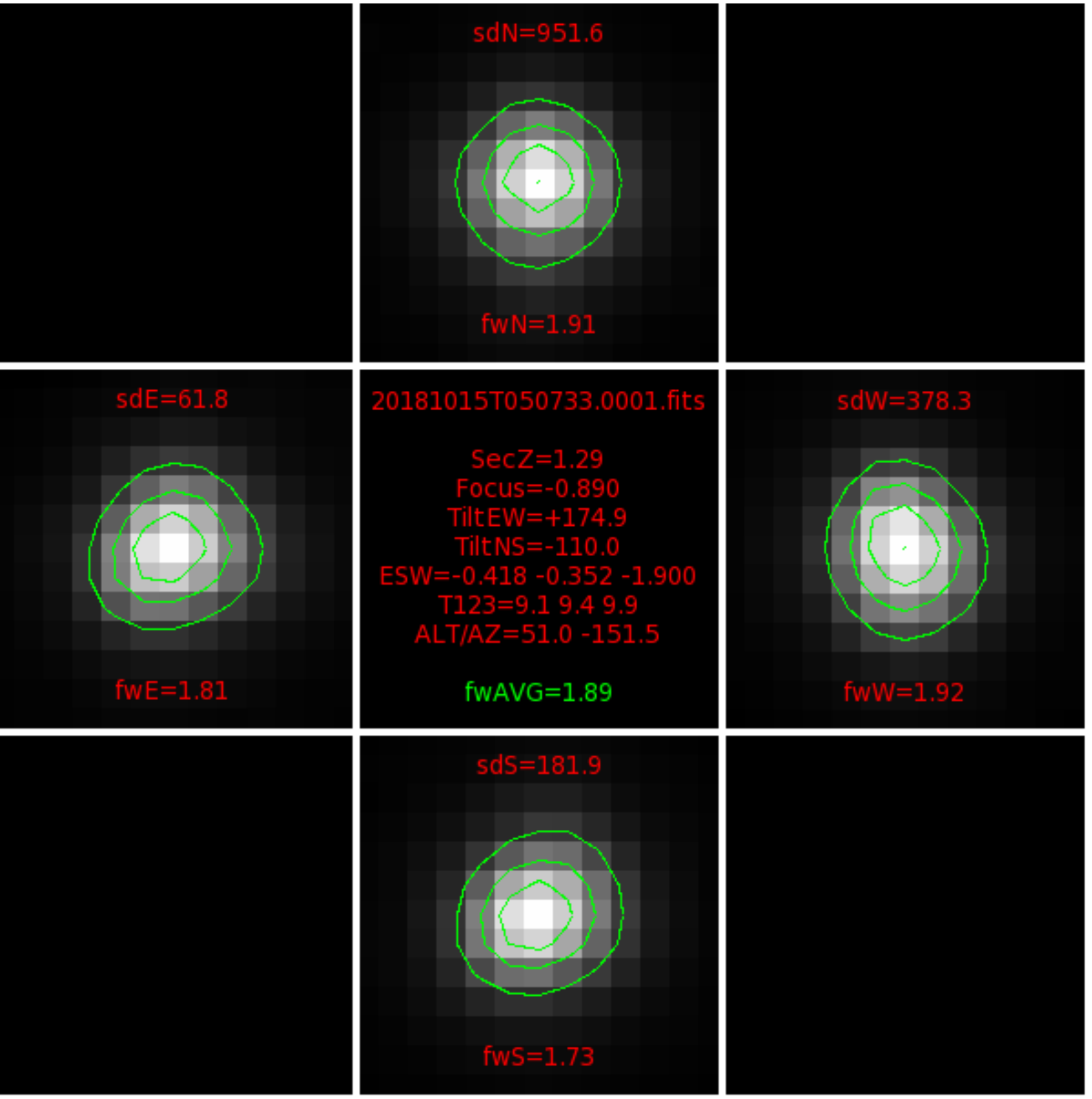
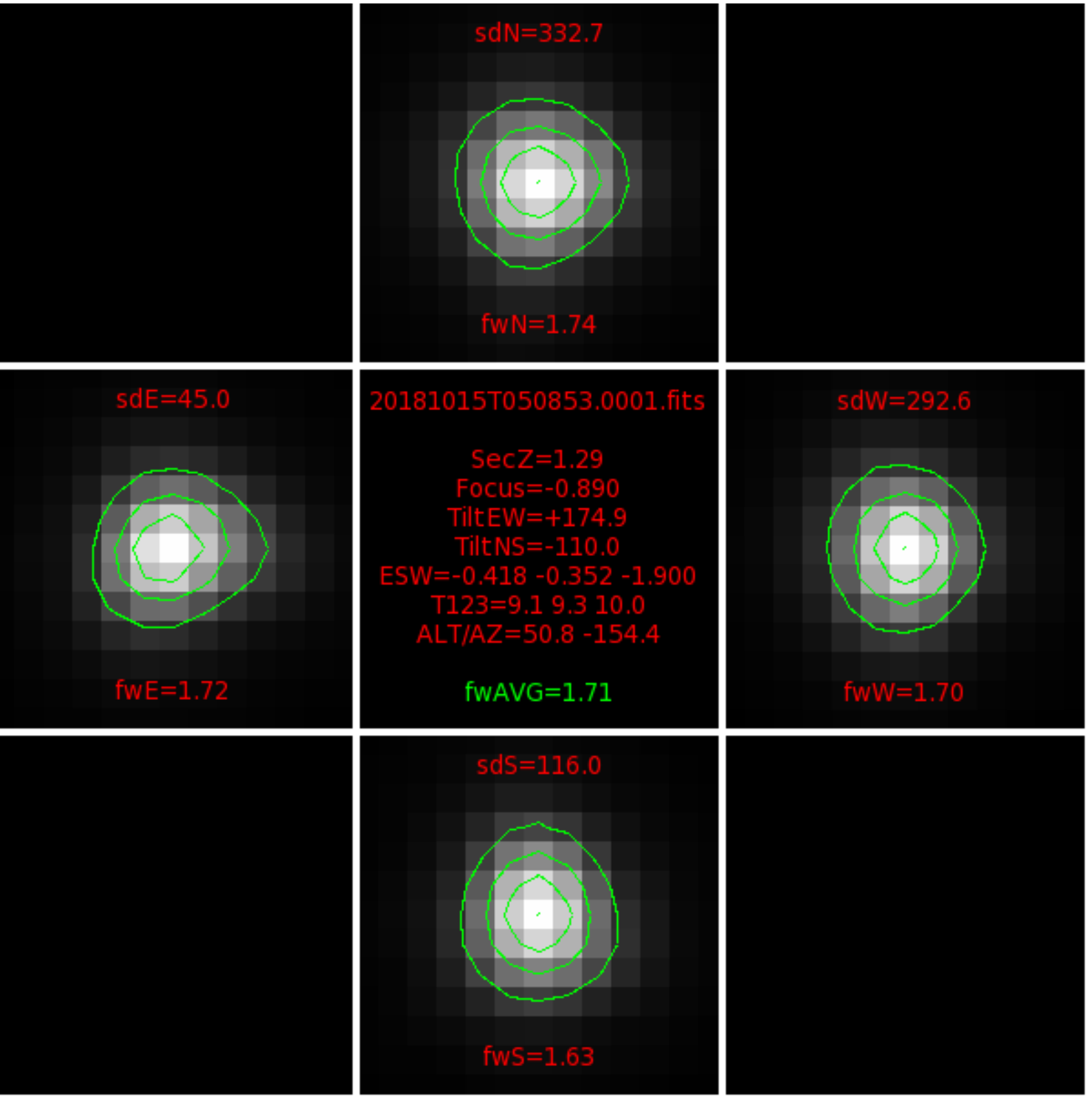

sdN=951.6
fwN=1.91
sdE=61.8
fwE=1.81
20181015T050733.0001.fits
SecZ=1.29
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.4 9.9
ALT/AZ=51.0 -151.5
fwAVG=1.89
sdW=378.3
fwW=1.92
sdS=181.9
fwS=1.73
0 0 0 0 0 0 0 0 0


sdN=332.7
fwN=1.74
sdE=45.0
fwE=1.72
20181015T050853.0001.fits
SecZ=1.29
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.3 10.0
ALT/AZ=50.8 -154.4
fwAVG=1.71
sdW=292.6
fwW=1.70
sdS=116.0
fwS=1.63
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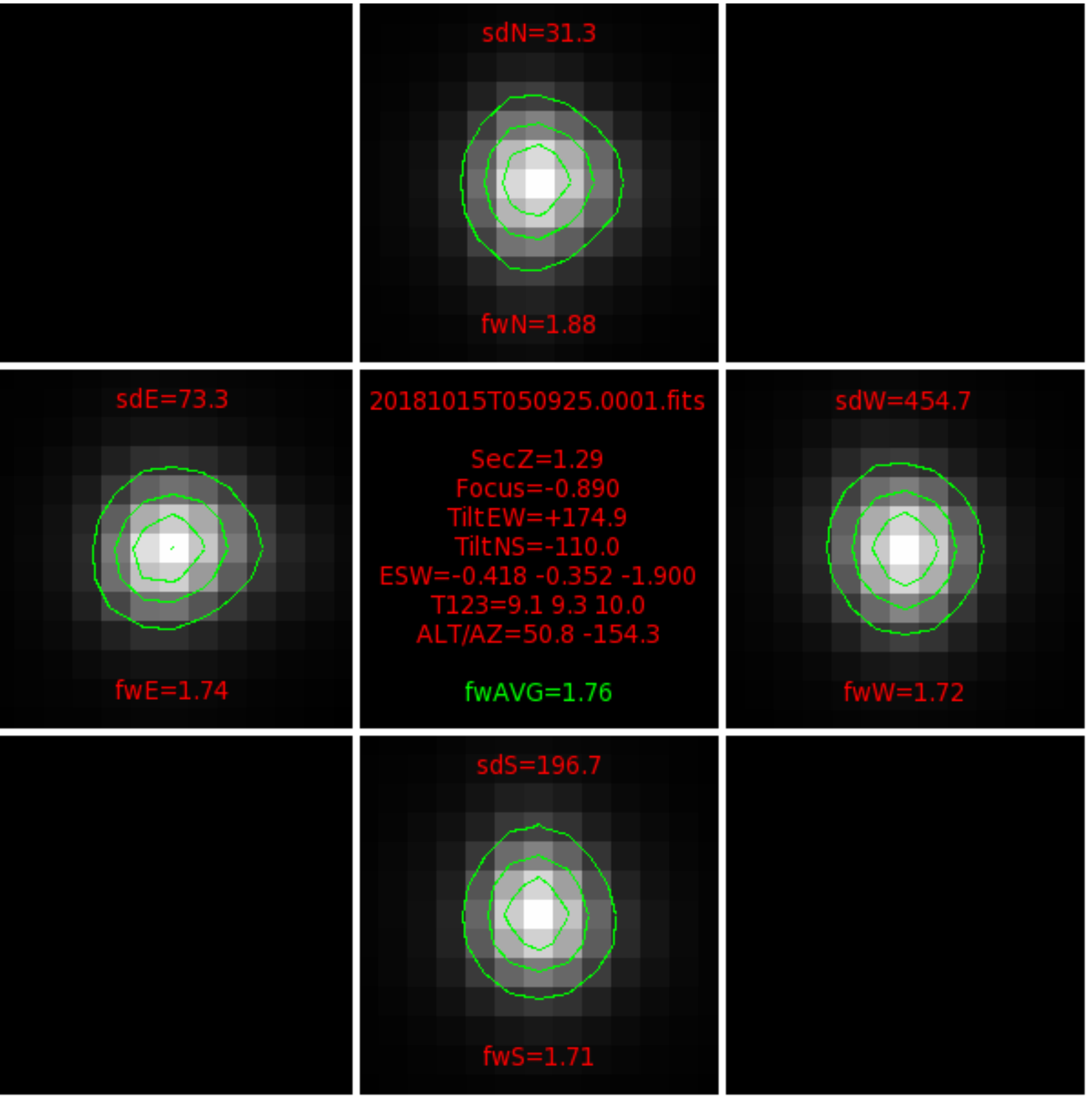
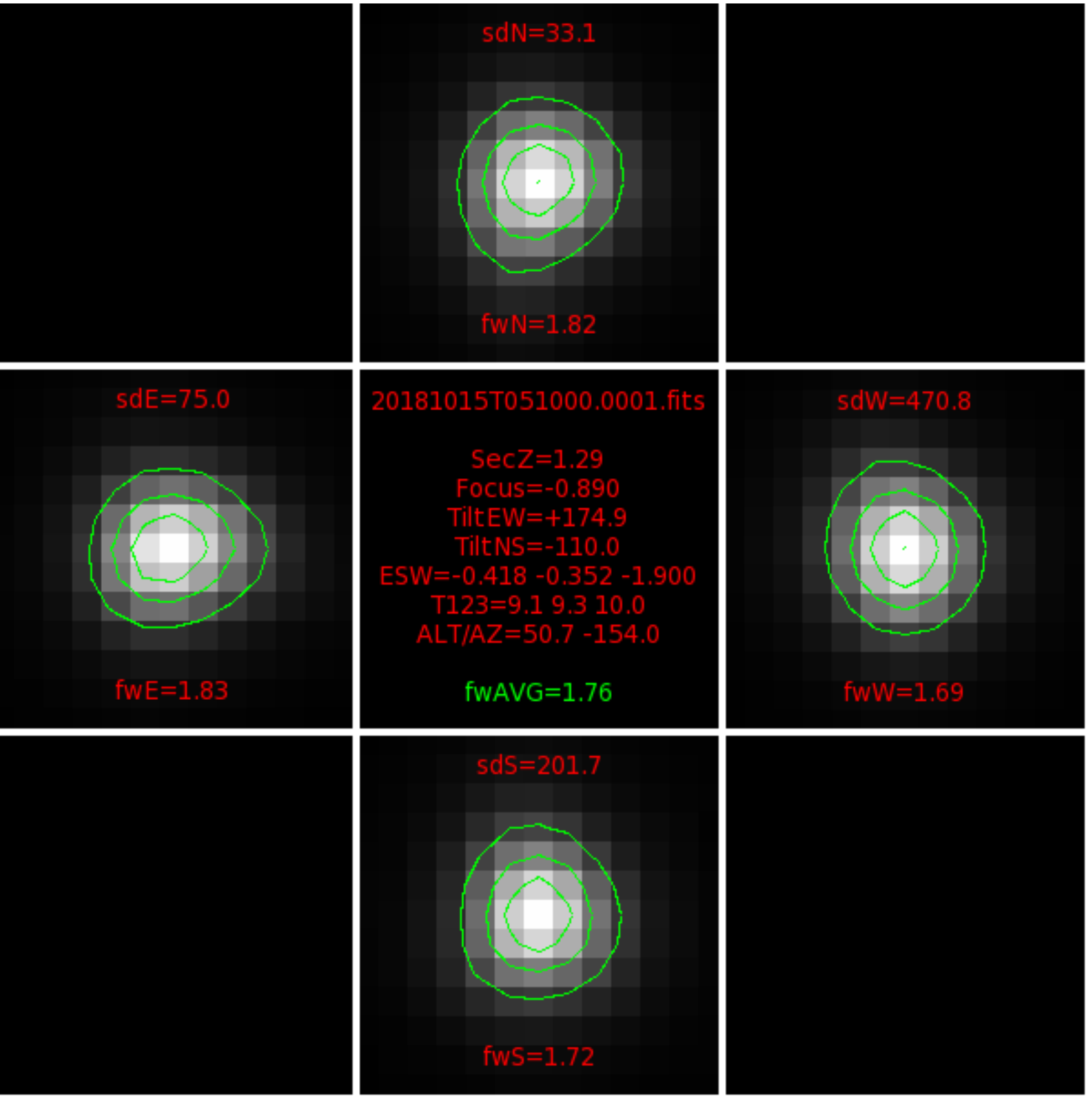
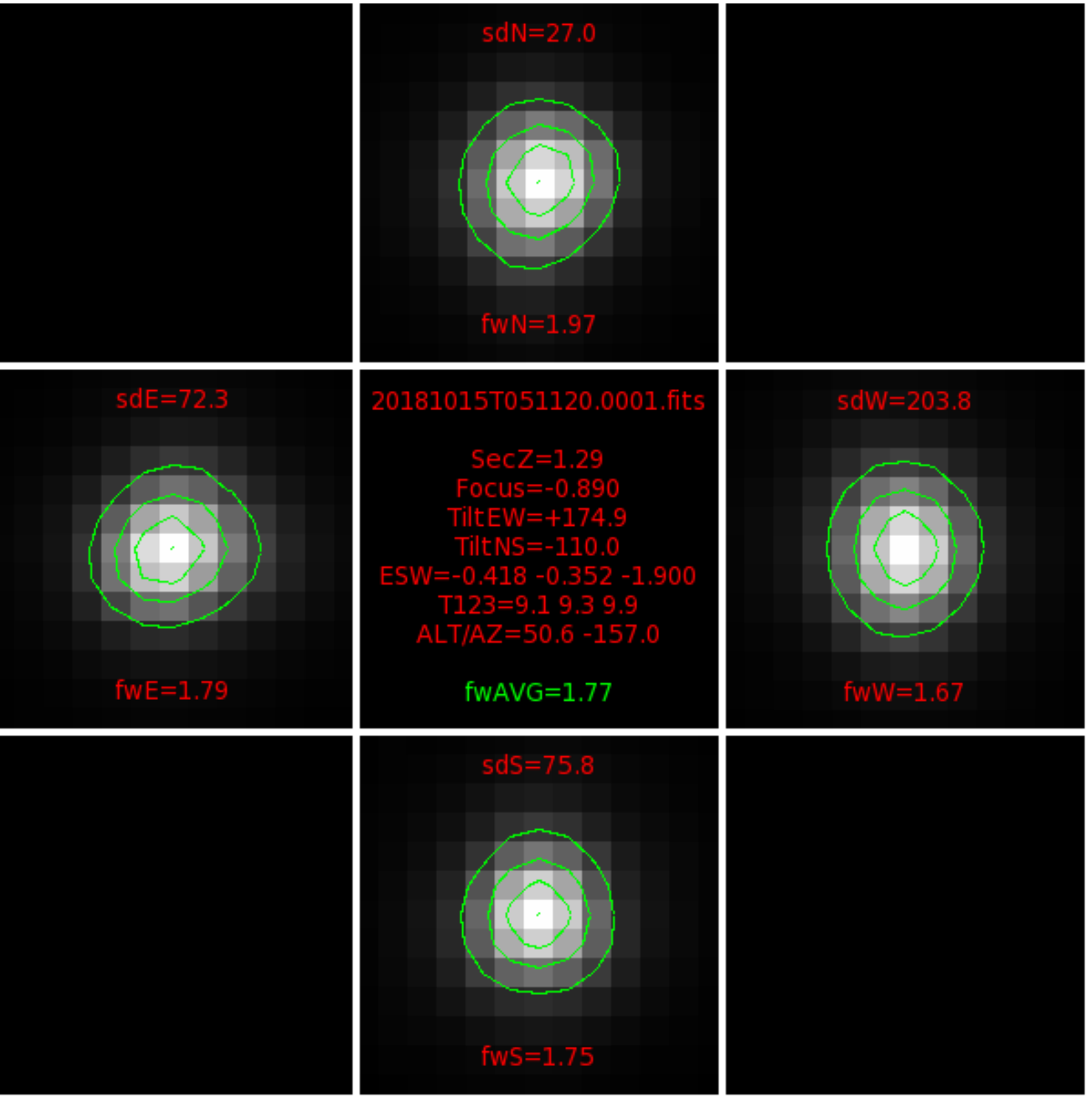
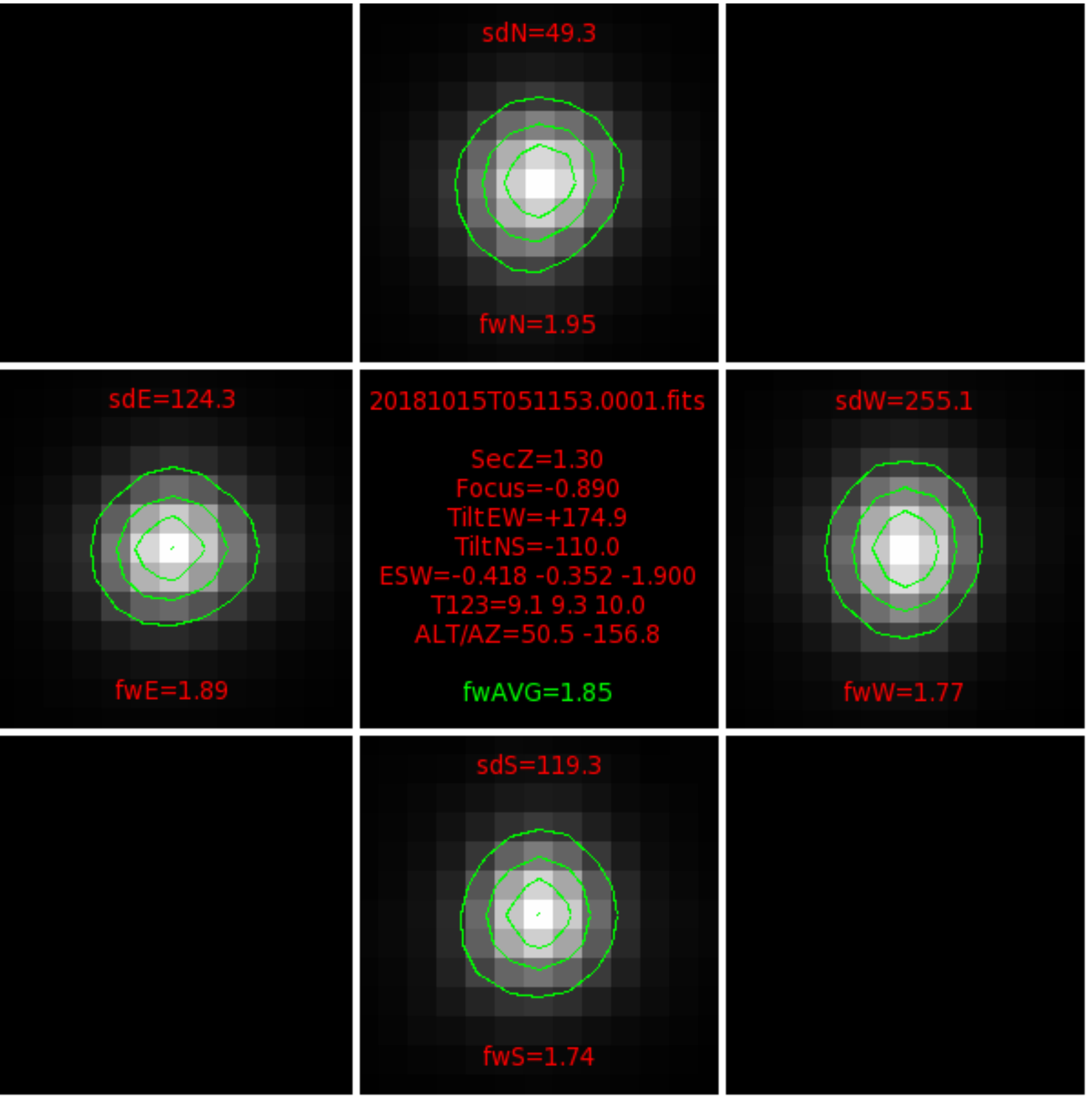

sdN=31.3
fwN=1.88
sdE=73.3
fwE=1.74
20181015T050925.0001.fits
SecZ=1.29
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.3 10.0
ALT/AZ=50.8 -154.3
fwAVG=1.76
sdW=454.7
fwW=1.72
sdS=196.7
fwS=1.71
0 0 0 0 0 0 0 0 0


sdN=33.1
fwN=1.82
sdE=75.0
fwE=1.83
20181015T051000.0001.fits
SecZ=1.29
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.3 10.0
ALT/AZ=50.7 -154.0
fwAVG=1.76
sdW=470.8
fwW=1.69
sdS=201.7
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=27.0
fwN=1.97
sdE=72.3
fwE=1.79
20181015T051120.0001.fits
SecZ=1.29
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.3 9.9
ALT/AZ=50.6 -157.0
fwAVG=1.77
sdW=203.8
fwW=1.67
sdS=75.8
fwS=1.75
0 0 0 0 0 0 0 0 0


sdN=49.3
fwN=1.95
sdE=124.3
fwE=1.89
20181015T051153.0001.fits
SecZ=1.30
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.3 10.0
ALT/AZ=50.5 -156.8
fwAVG=1.85
sdW=255.1
fwW=1.77
sdS=119.3
fwS=1.74
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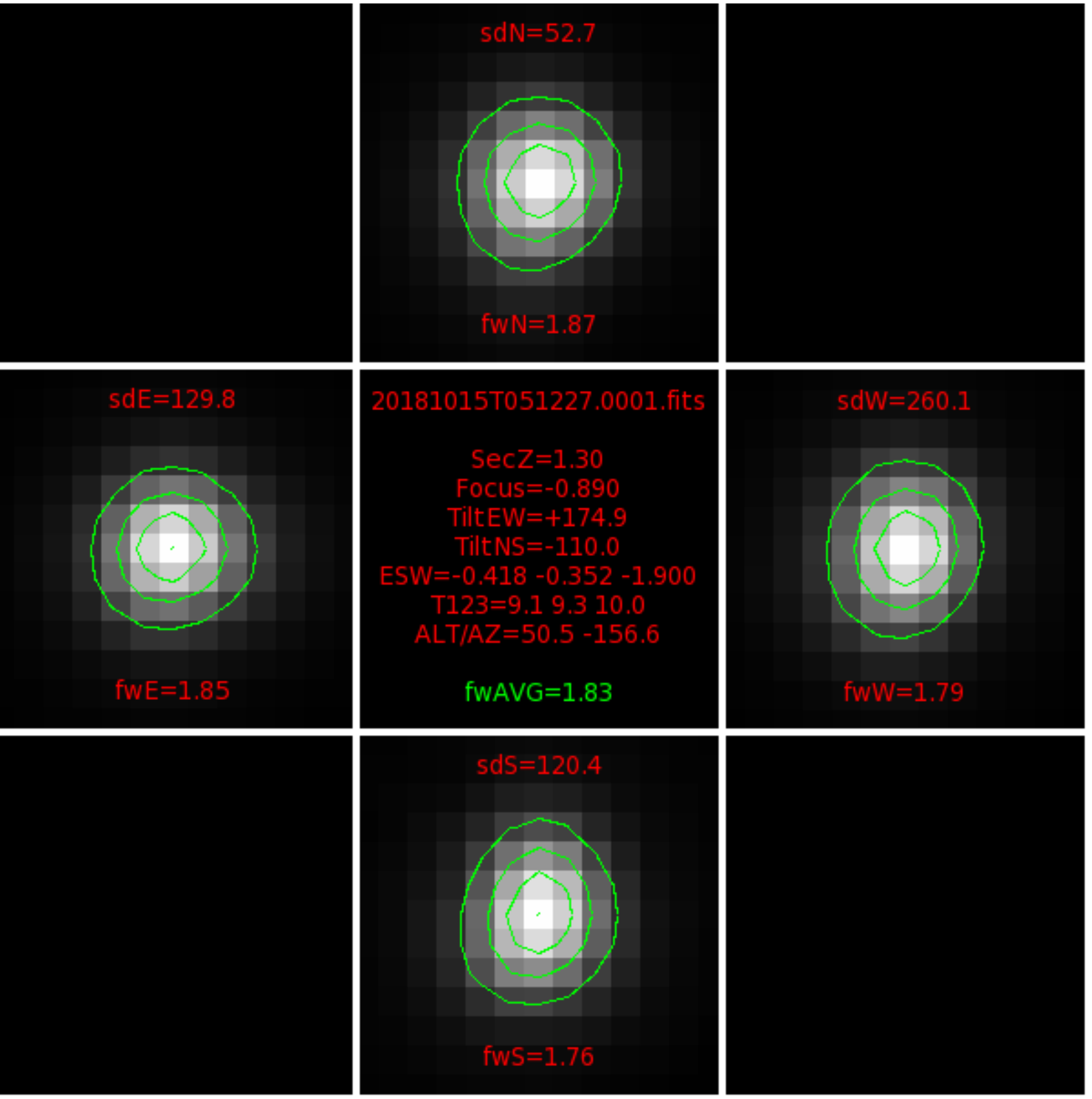
sdN=52.7
fwN=1.87
sdE=129.8
fwE=1.85
20181015T051227.0001.fits
SecZ=1.30
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.3 10.0
ALT/AZ=50.5 -156.6
fwAVG=1.83
sdW=260.1
fwW=1.79
sdS=120.4
fwS=1.76
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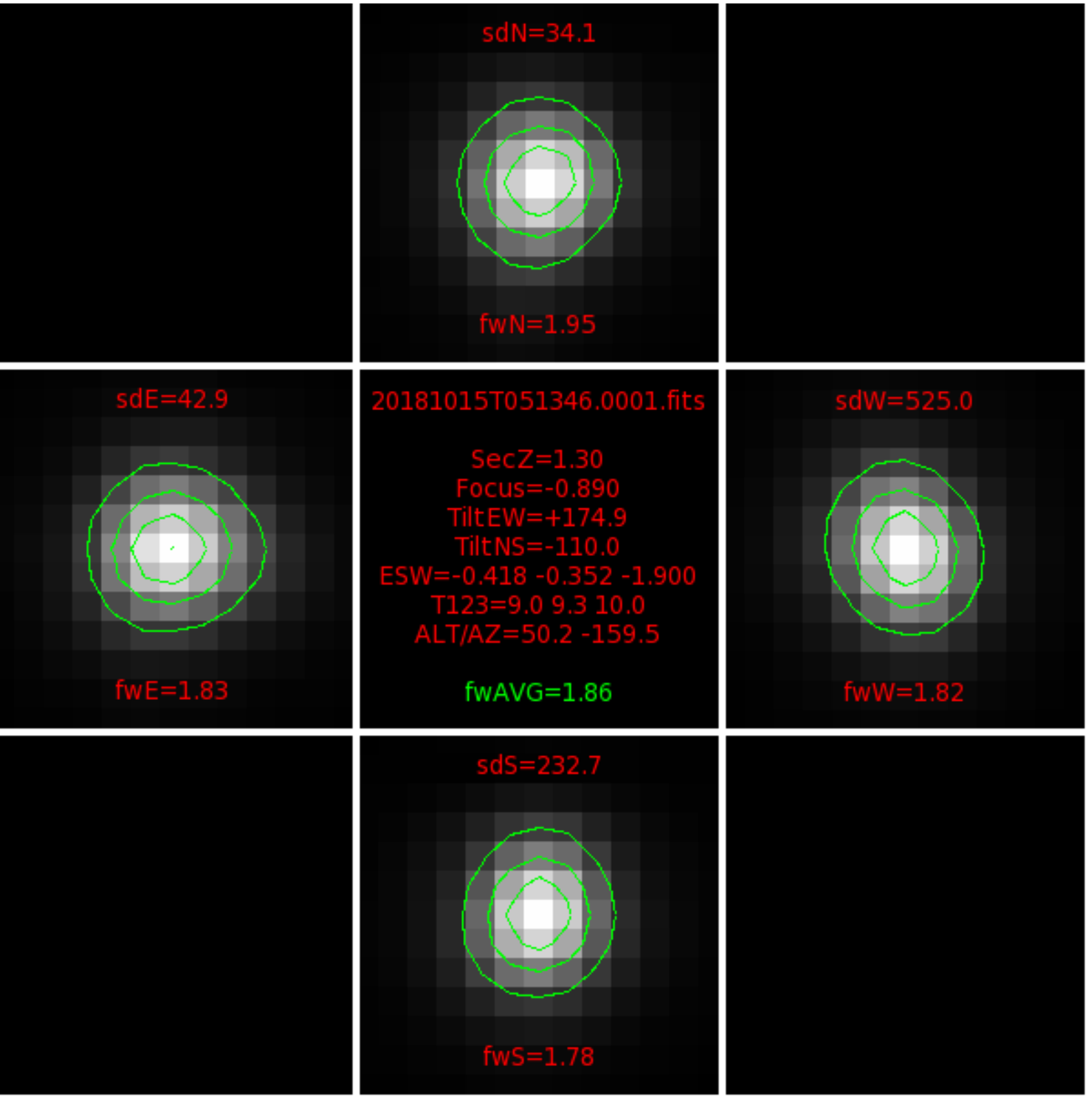
sdN=34.1
fwN=1.95
sdE=42.9
fwE=1.83
20181015T051346.0001.fits
SecZ=1.30
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.3 10.0
ALT/AZ=50.2 -159.5
fwAVG=1.86
sdW=525.0
fwW=1.82
sdS=232.7
fwS=1.78
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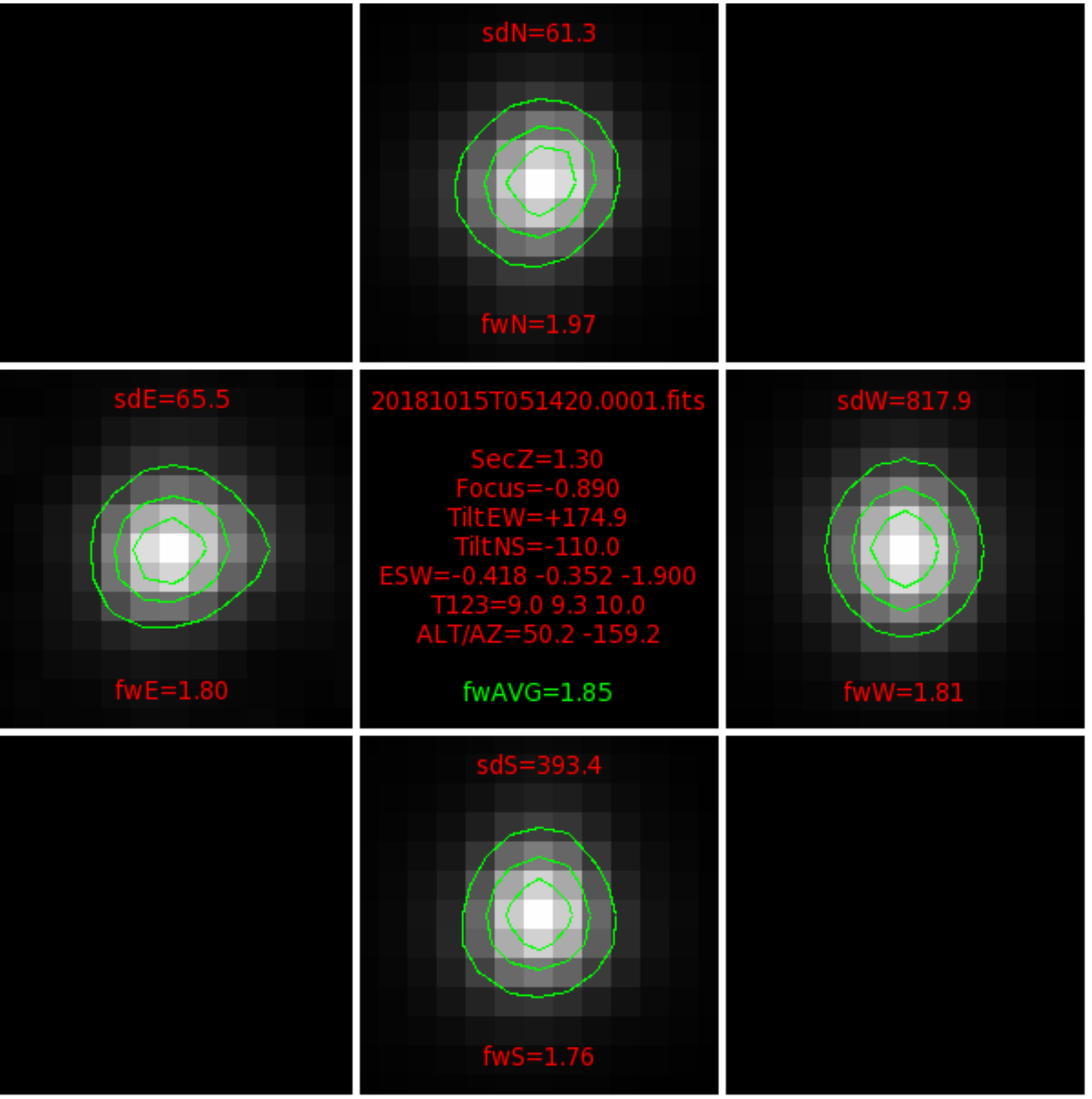
sdN=61.3
fwN=1.97
sdE=65.5
fwE=1.80
20181015T051420.0001.fits
SecZ=1.30
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.3 10.0
ALT/AZ=50.2 -159.2
fwAVG=1.85
sdW=817.9
fwW=1.81
sdS=393.4
fwS=1.76
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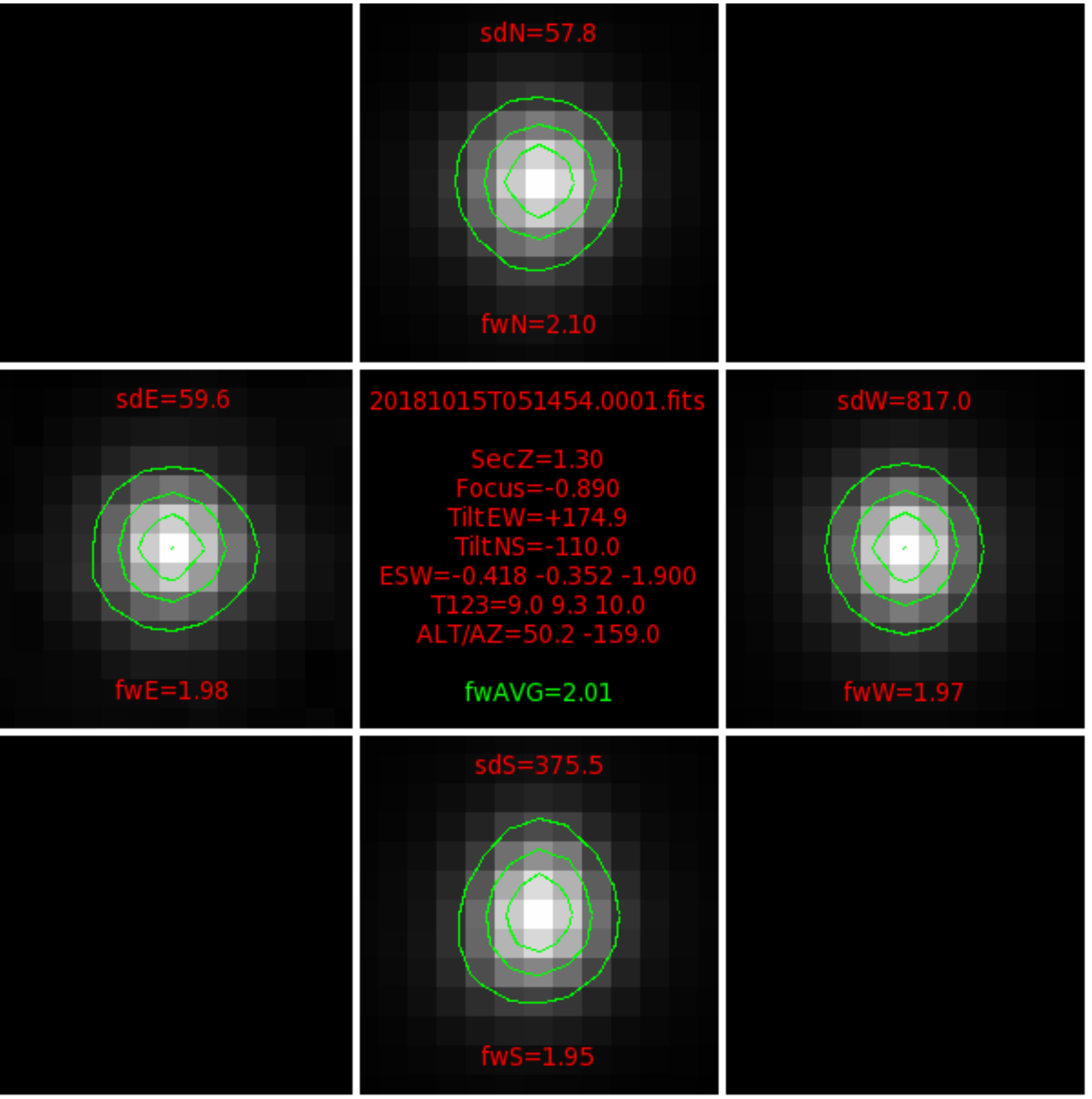
sdN=57.8
fwN=2.10
sdE=59.6
fwE=1.98
20181015T051454.0001.fits
SecZ=1.30
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.3 10.0
ALT/AZ=50.2 -159.0
fwAVG=2.01
sdW=817.0
fwW=1.97
sdS=375.5
fwS=1.95
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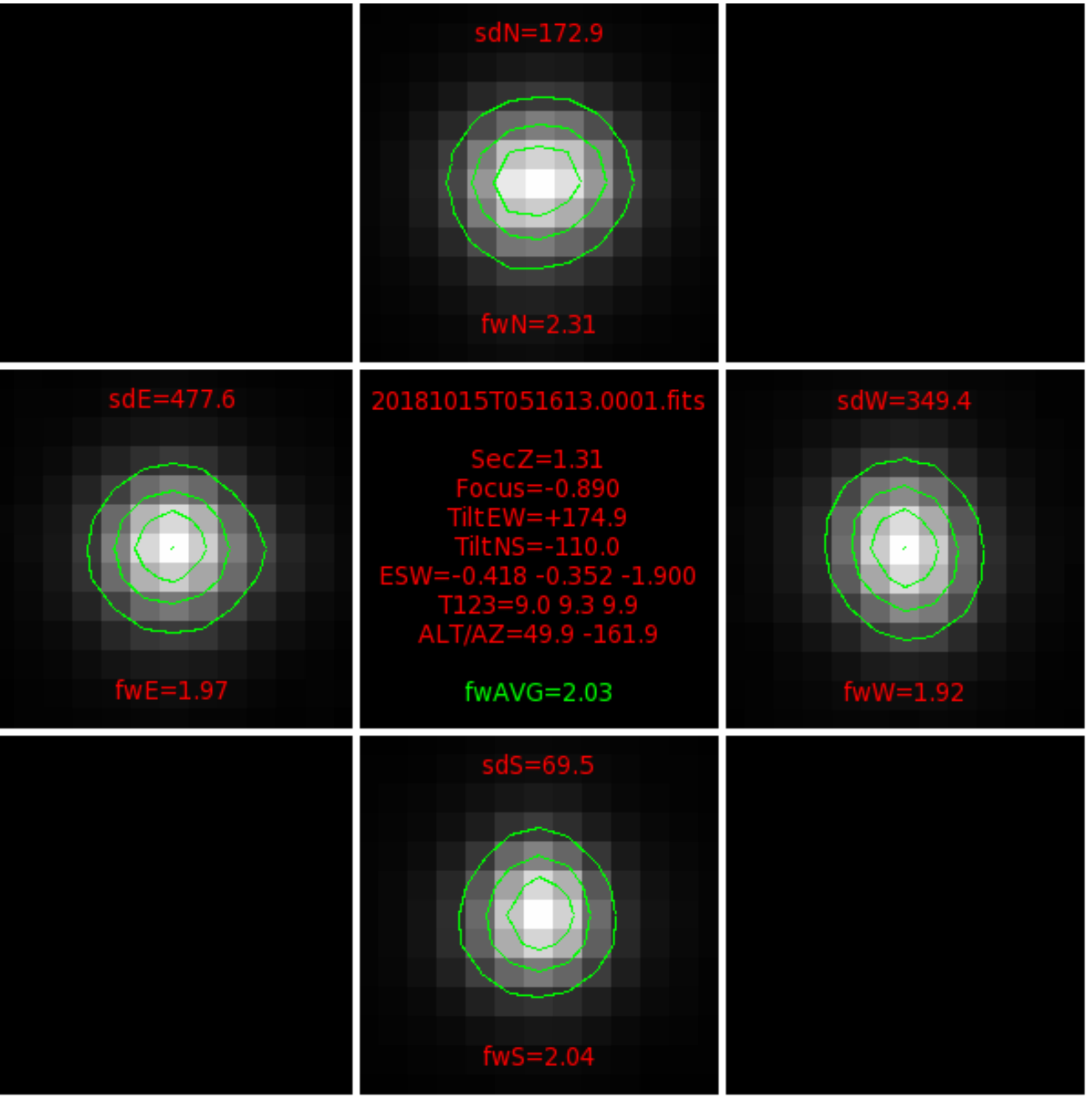
sdN=172.9
fwN=2.31
sdE=477.6
fwE=1.97
20181015T051613.0001.fits
SecZ=1.31
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.3 9.9
ALT/AZ=49.9 -161.9
fwAVG=2.03
sdW=349.4
fwW=1.92
sdS=69.5
fwS=2.04
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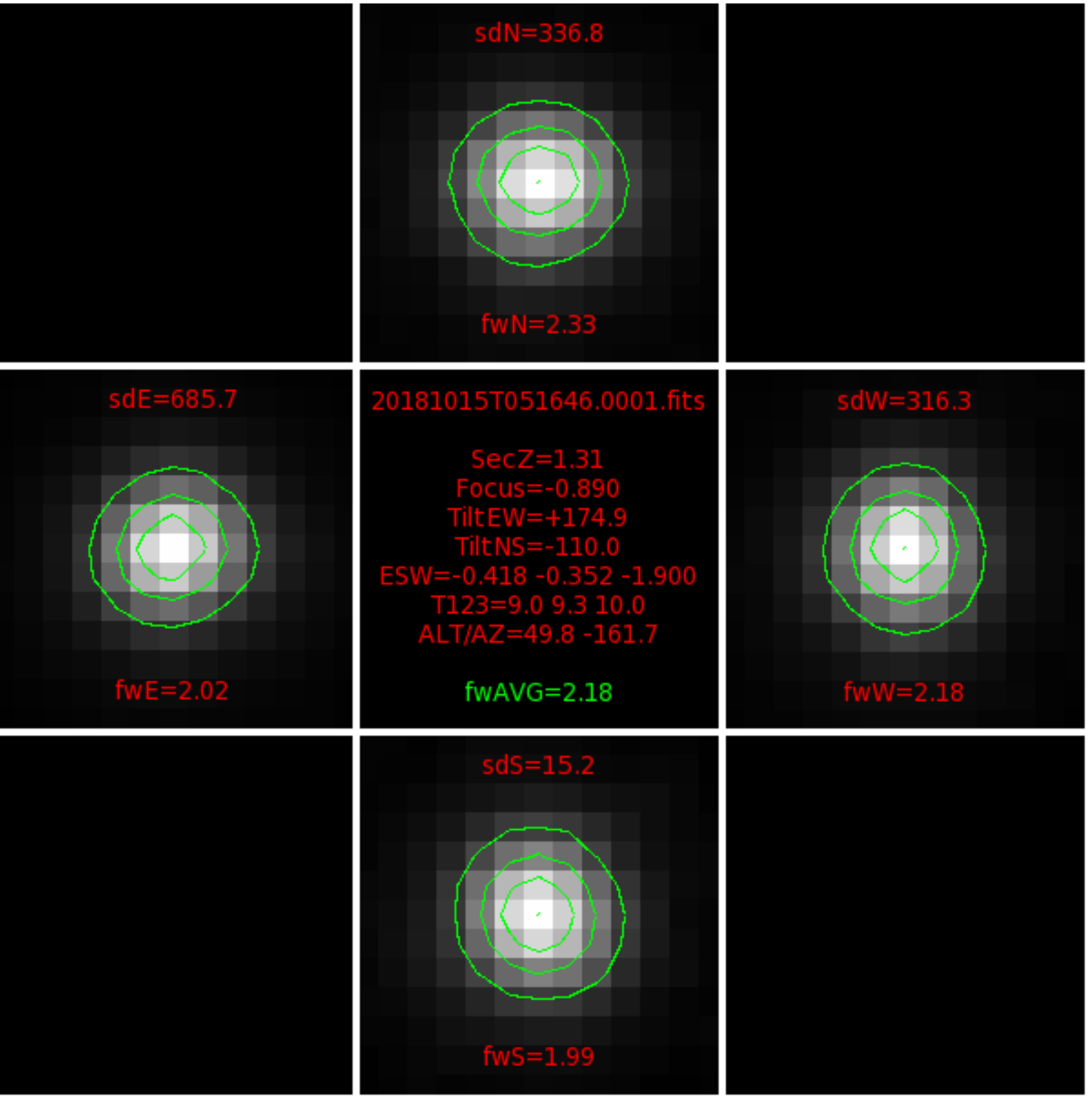
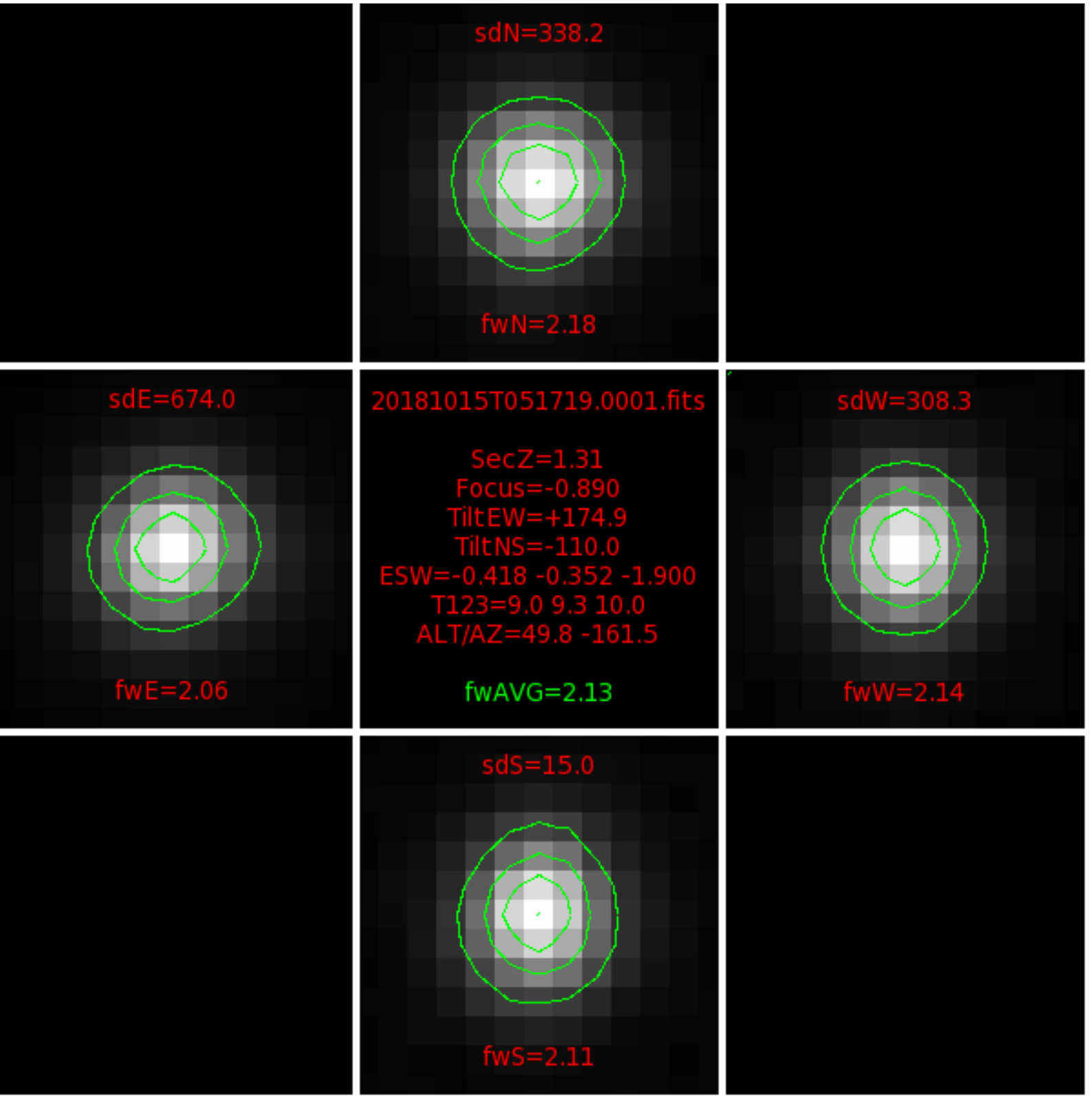
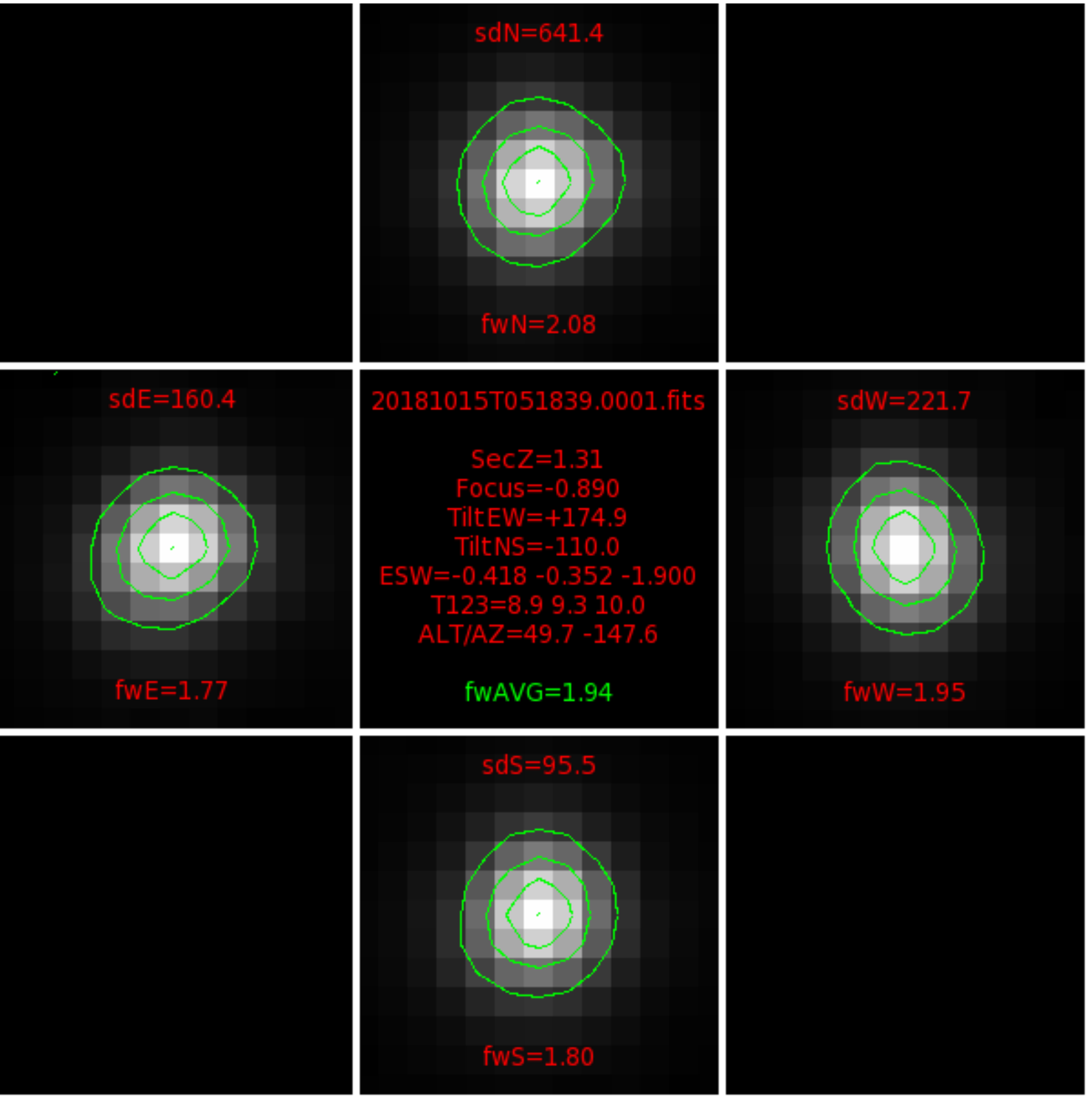

sdN=336.8
fwN=2.33
sdE=685.7
fwE=2.02
20181015T051646.0001.fits
SecZ=1.31
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.3 10.0
ALT/AZ=49.8 -161.7
fwAVG=2.18
sdW=316.3
fwW=2.18
sdS=15.2
fwS=1.99
0 0 0 0 0 0 0 0 0


sdN=338.2
fwN=2.18
sdE=674.0
fwE=2.06
20181015T051719.0001.fits
SecZ=1.31
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.3 10.0
ALT/AZ=49.8 -161.5
fwAVG=2.13
sdW=308.3
fwW=2.14
sdS=15.0
fwS=2.11
0 0 0 0 0 0 0 0 0


sdN=641.4
fwN=2.08
sdE=160.4
fwE=1.77
20181015T051839.0001.fits
SecZ=1.31
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.3 10.0
ALT/AZ=49.7 -147.6
fwAVG=1.94
sdW=221.7
fwW=1.95
sdS=95.5
fwS=1.80
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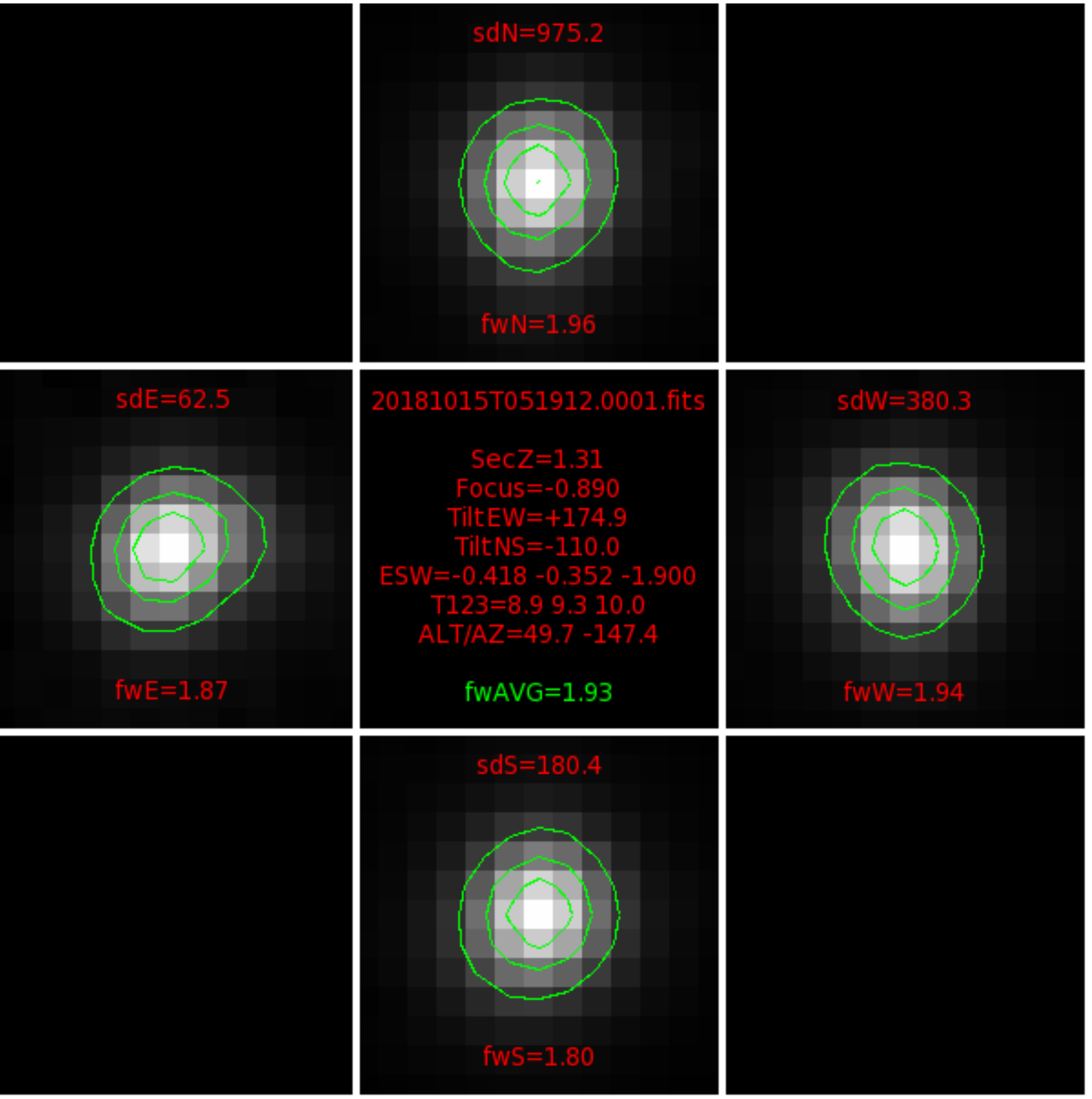
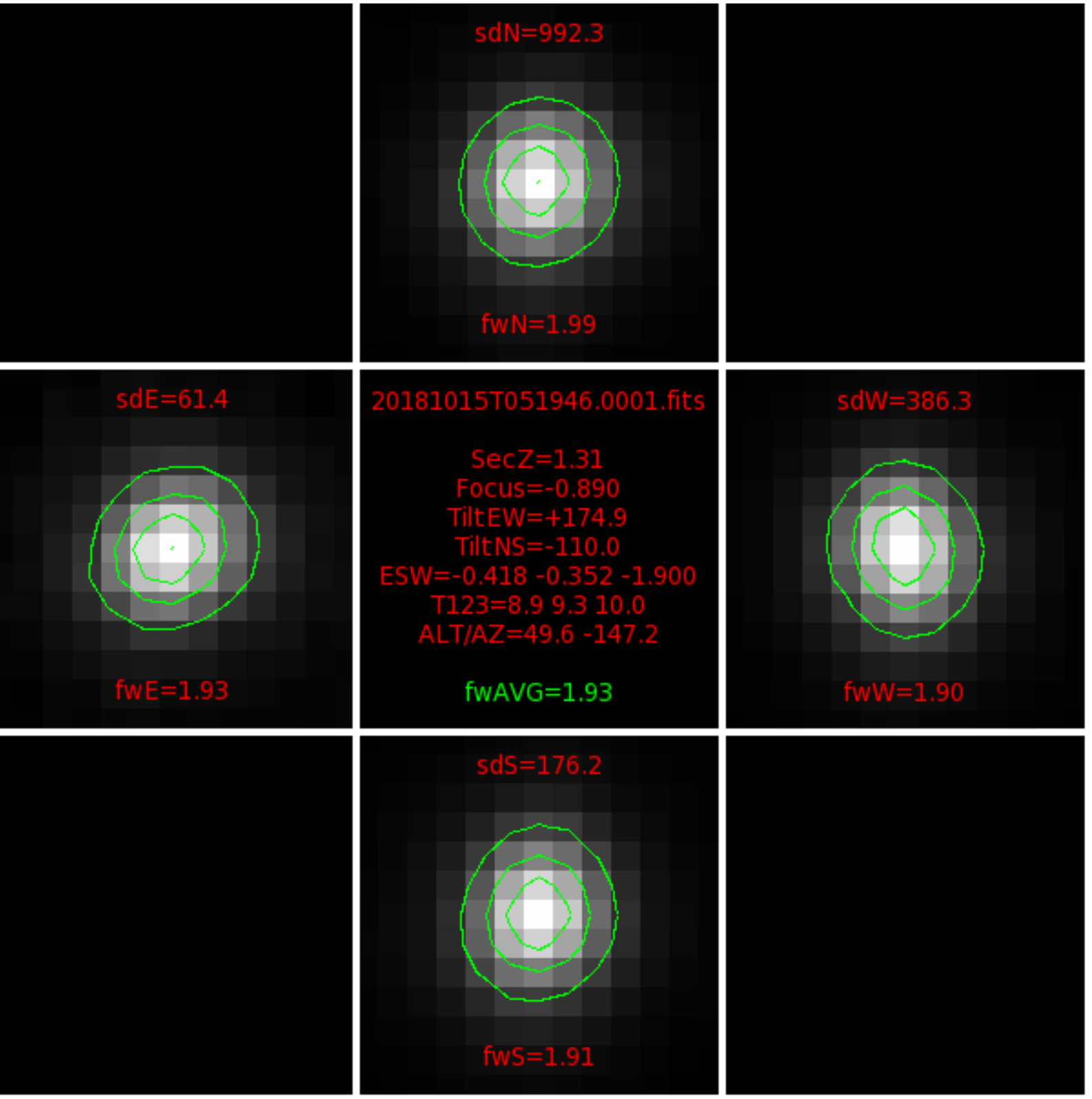

sdN=975.2
fwN=1.96
sdE=62.5
fwE=1.87
20181015T051912.0001.fits
SecZ=1.31
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.3 10.0
ALT/AZ=49.7 -147.4
fwAVG=1.93
sdW=380.3
fwW=1.94
sdS=180.4
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=992.3
fwN=1.99
sdE=61.4
fwE=1.93
20181015T051946.0001.fits
SecZ=1.31
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.3 10.0
ALT/AZ=49.6 -147.2
fwAVG=1.93
sdW=386.3
fwW=1.90
sdS=176.2
fwS=1.91
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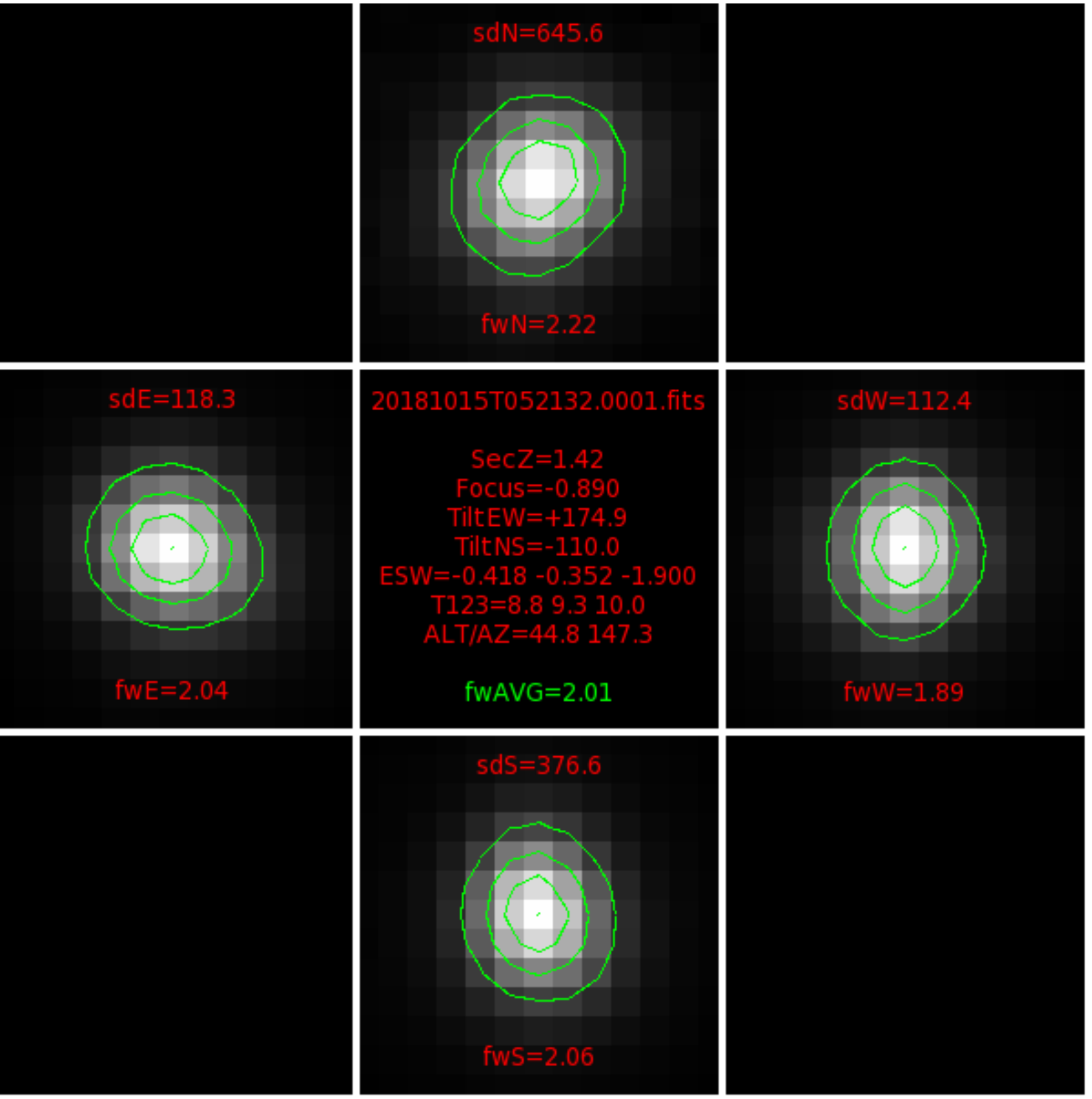
sdN=645.6
fwN=2.22
sdE=118.3
fwE=2.04
20181015T052132.0001.fits
SecZ=1.42
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.8 9.3 10.0
ALT/AZ=44.8 147.3
fwAVG=2.01
sdW=112.4
fwW=1.89
sdS=376.6
fwS=2.06
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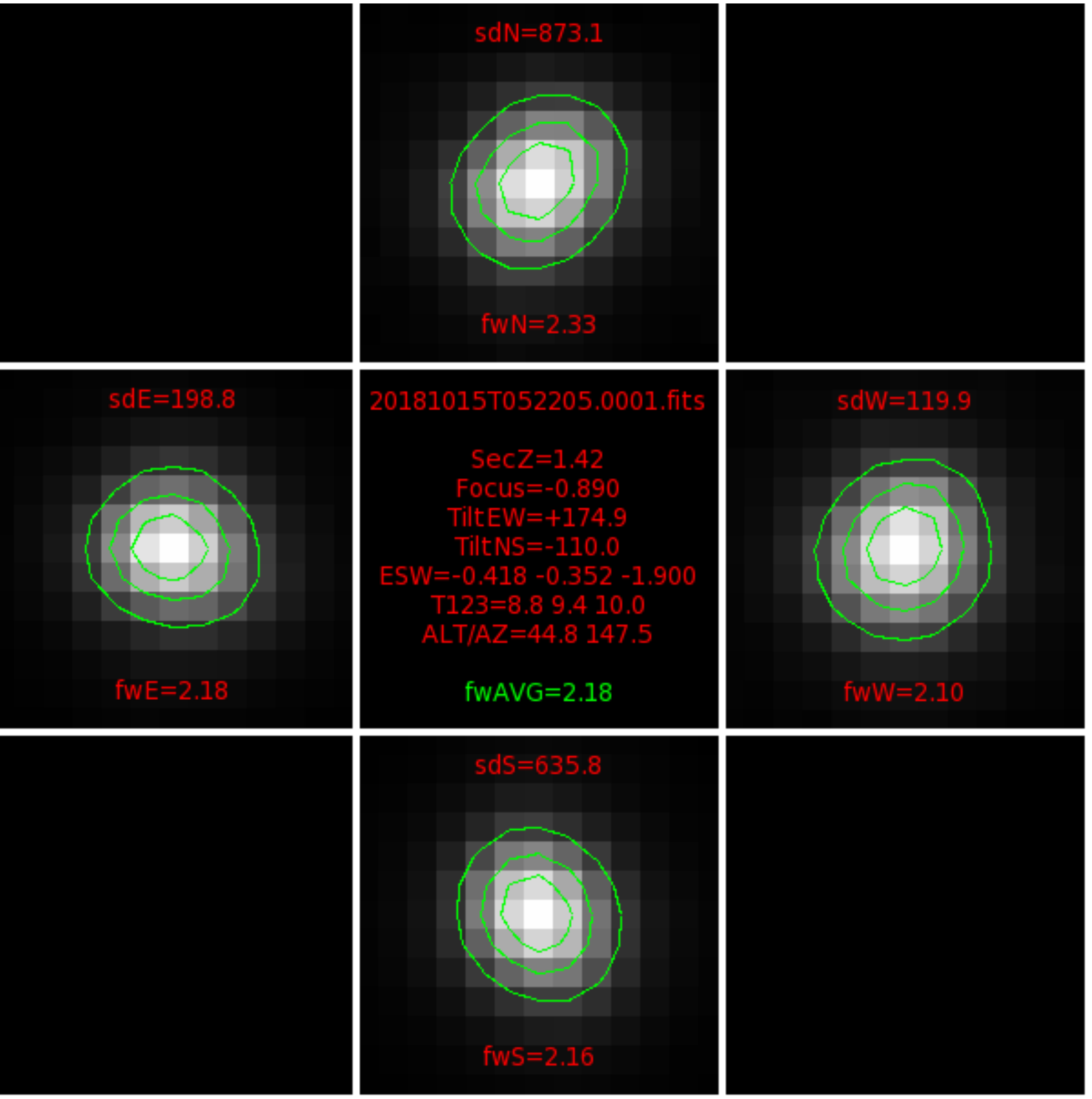
sdN=873.1
fwN=2.33
sdE=198.8
fwE=2.18
20181015T052205.0001.fits
SecZ=1.42
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.8 9.4 10.0
ALT/AZ=44.8 147.5
fwAVG=2.18
sdW=119.9
fwW=2.10
sdS=635.8
fwS=2.16
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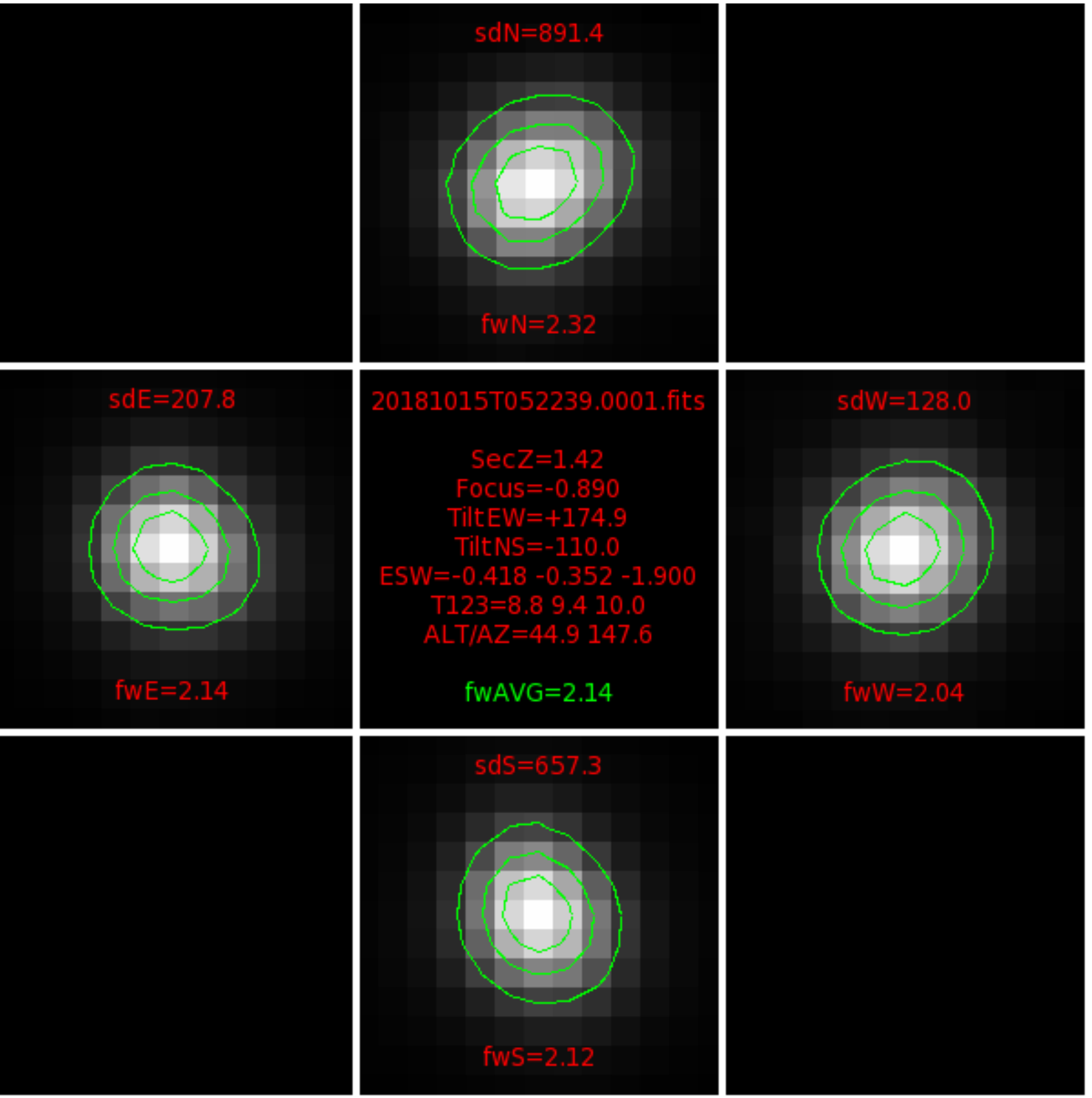
sdN=891.4
fwN=2.32
sdE=207.8
fwE=2.14
20181015T052239.0001.fits
SecZ=1.42
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.8 9.4 10.0
ALT/AZ=44.9 147.6
fwAVG=2.14
sdW=128.0
fwW=2.04
sdS=657.3
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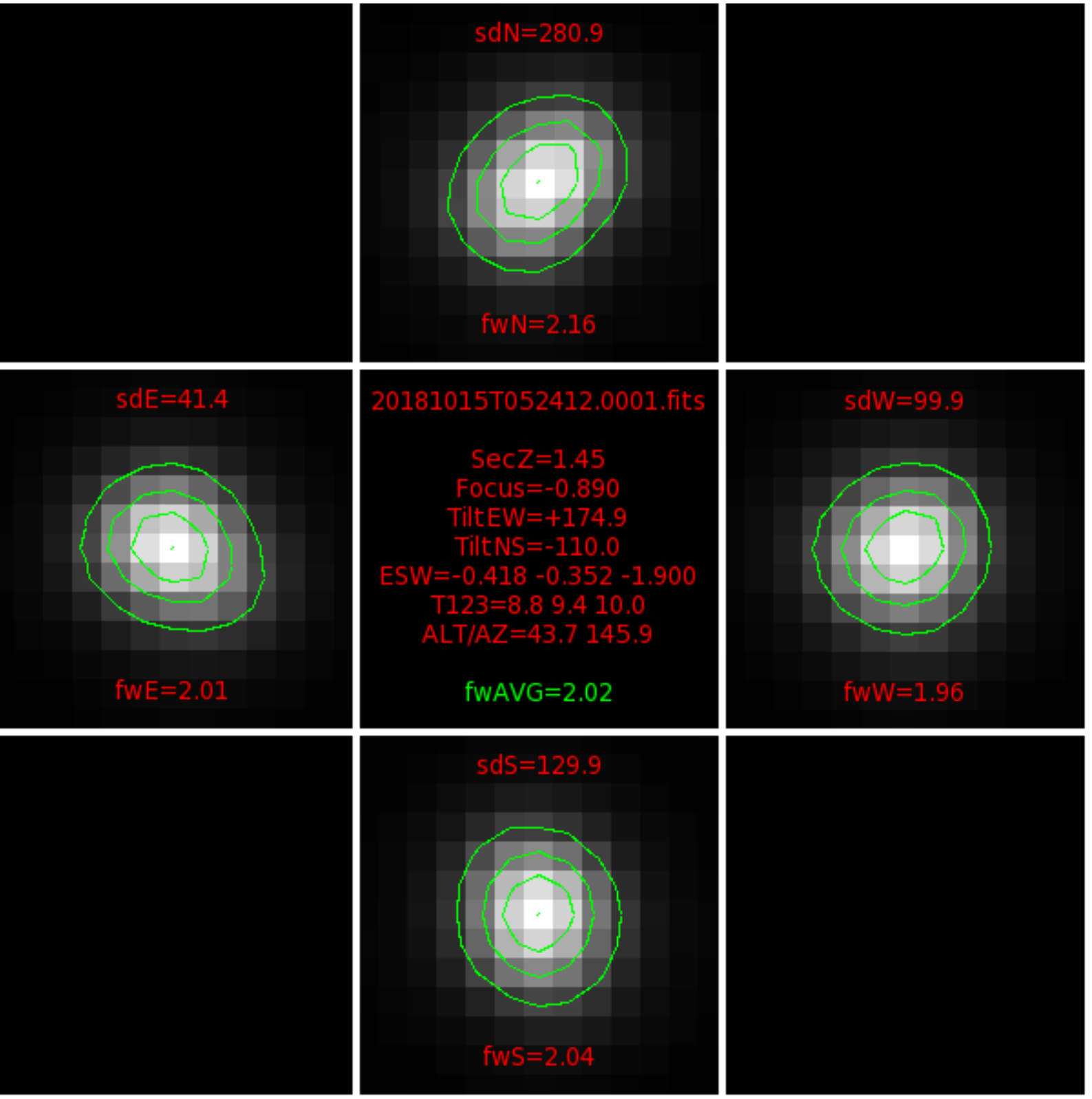
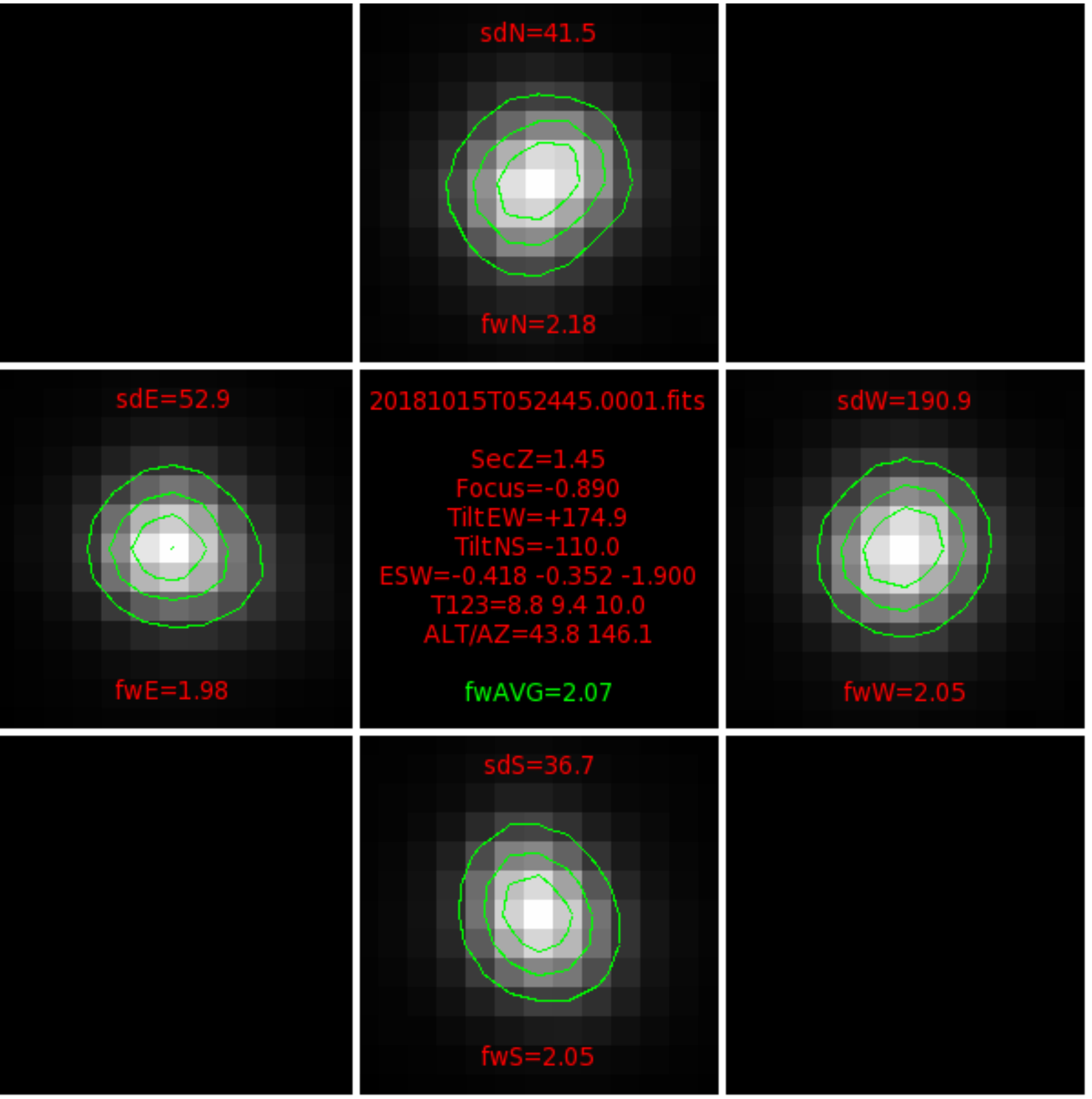
0 0 0 0 0 0 0 0 0


sdN=280.9
fwN=2.16
sdE=41.4
fwE=2.01
20181015T052412.0001.fits
SecZ=1.45
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.8 9.4 10.0
ALT/AZ=43.7 145.9
fwAVG=2.02
sdW=99.9
fwW=1.96
sdS=129.9
fwS=2.04
0 0 0 0 0 0 0 0 0


sdN=41.5
fwN=2.18
sdE=52.9
fwE=1.98
20181015T052445.0001.fits
SecZ=1.45
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.8 9.4 10.0
ALT/AZ=43.8 146.1
fwAVG=2.07
sdW=190.9
fwW=2.05
sdS=36.7
fwS=2.05
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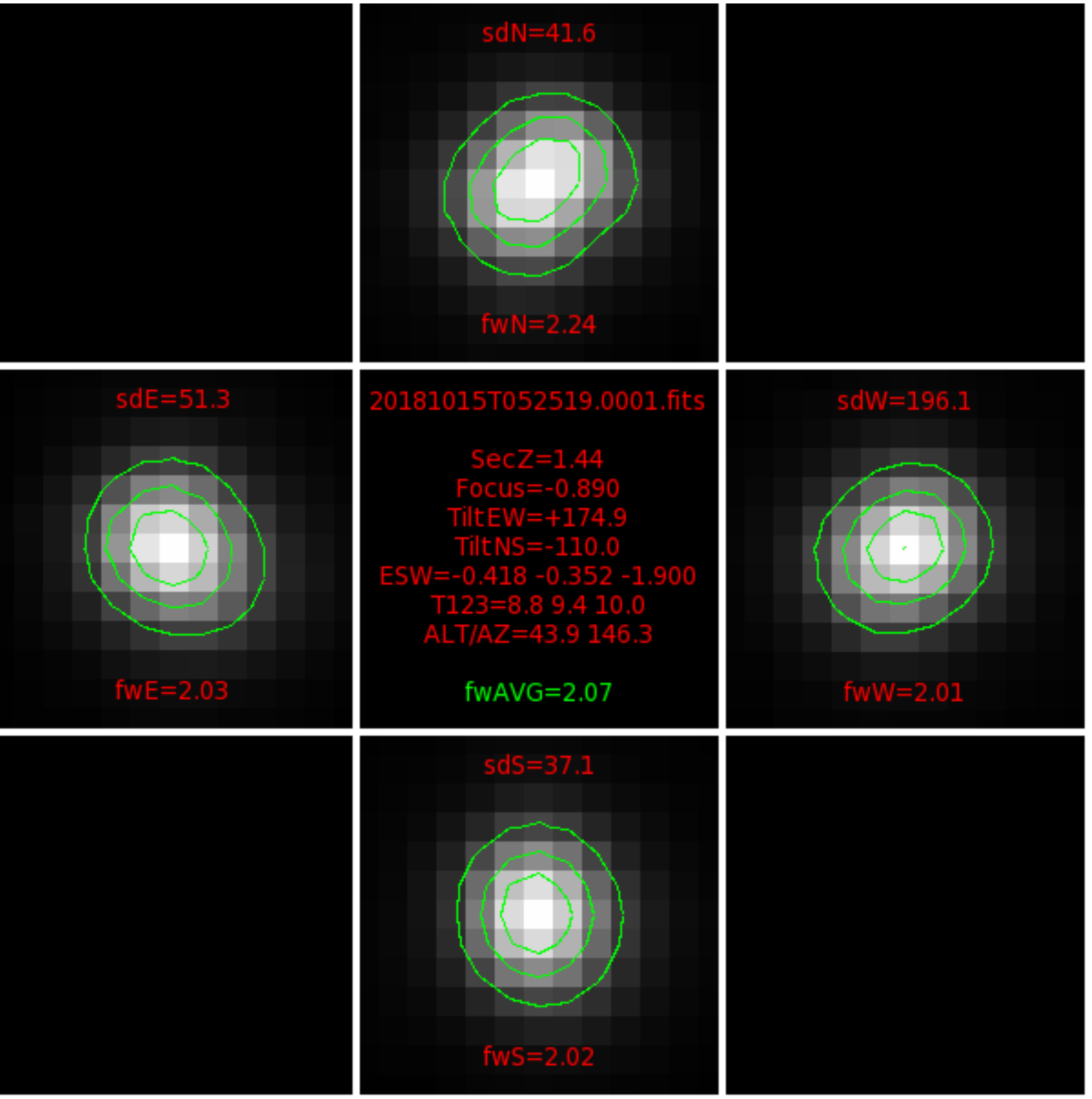
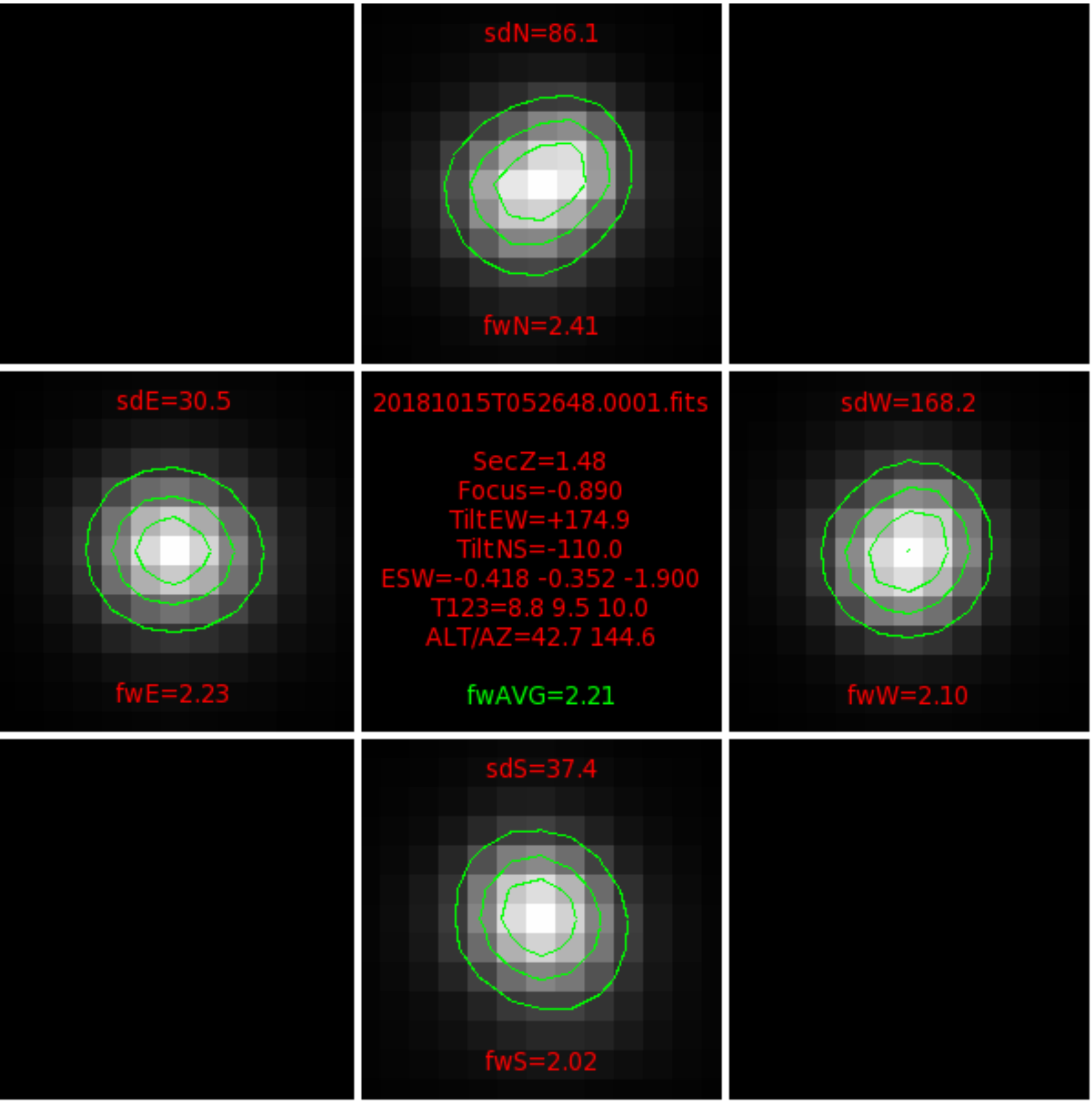

sdN=41.6
fwN=2.24
sdE=51.3
fwE=2.03
20181015T052519.0001.fits
SecZ=1.44
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.8 9.4 10.0
ALT/AZ=43.9 146.3
fwAVG=2.07
sdW=196.1
fwW=2.01
sdS=37.1
fwS=2.02
0 0 0 0 0 0 0 0 0


sdN=86.1
fwN=2.41
sdE=30.5
fwE=2.23
20181015T052648.0001.fits
SecZ=1.48
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.8 9.5 10.0
ALT/AZ=42.7 144.6
fwAVG=2.21
sdW=168.2
fwW=2.10
sdS=37.4
fwS=2.02
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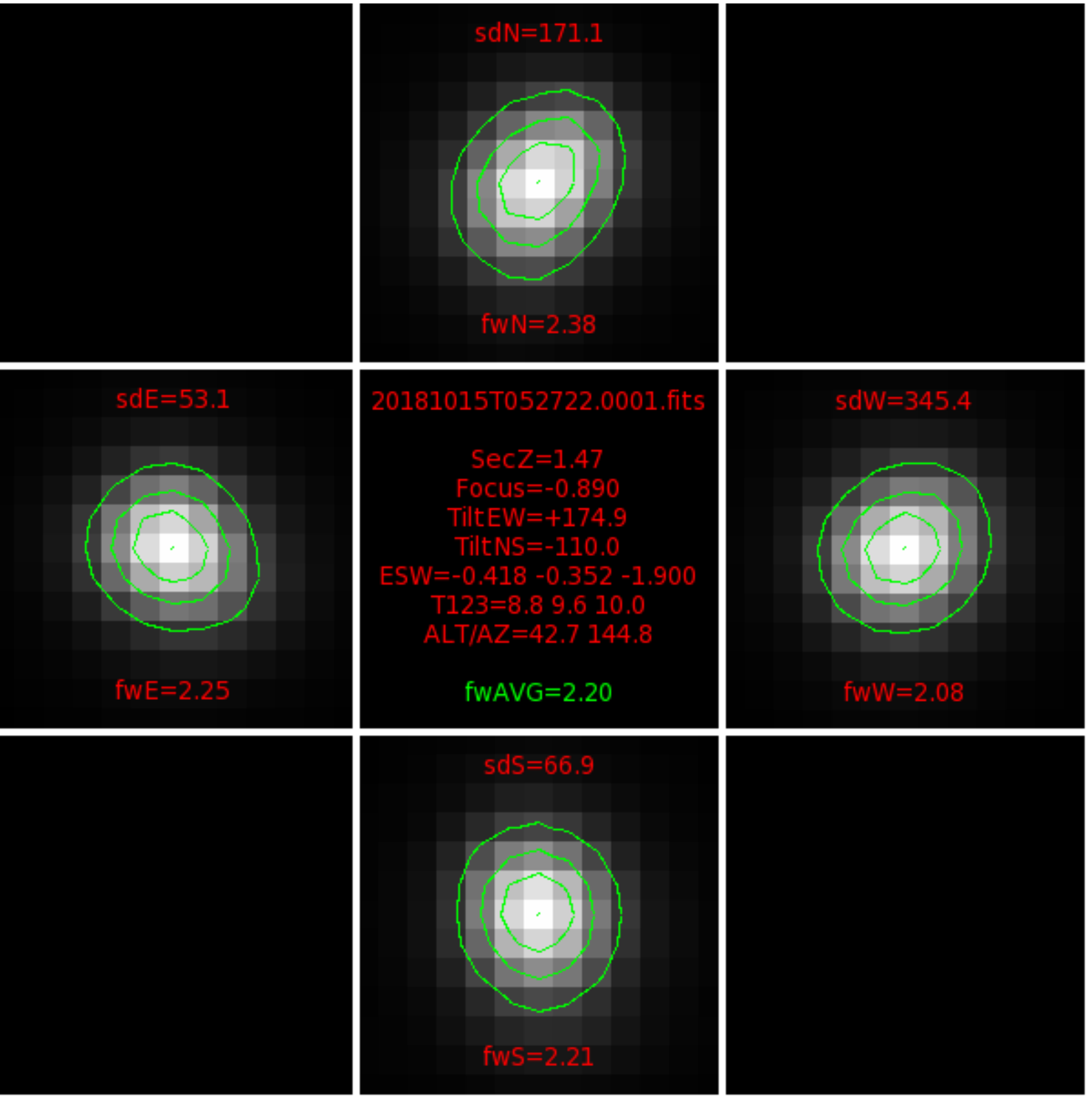
sdN=171.1
fwN=2.38
sdE=53.1
fwE=2.25
20181015T052722.0001.fits
SecZ=1.47
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.8 9.6 10.0
ALT/AZ=42.7 144.8
fwAVG=2.20
sdW=345.4
fwW=2.08
sdS=66.9
fwS=2.21
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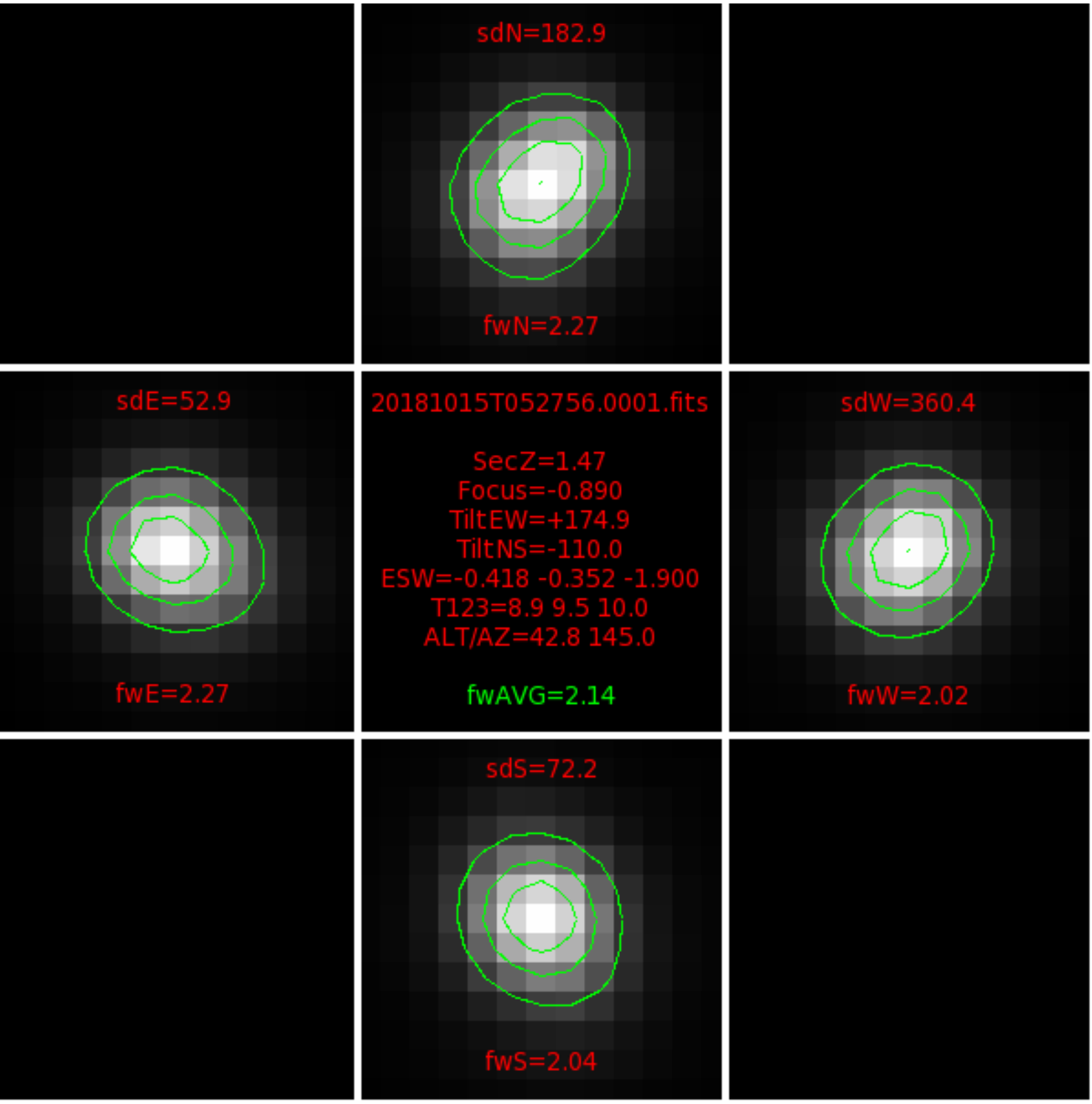
sdN=182.9
fwN=2.27
sdE=52.9
fwE=2.27
20181015T052756.0001.fits
SecZ=1.47
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.5 10.0
ALT/AZ=42.8 145.0
fwAVG=2.14
sdW=360.4
fwW=2.02
sdS=72.2
fwS=2.04
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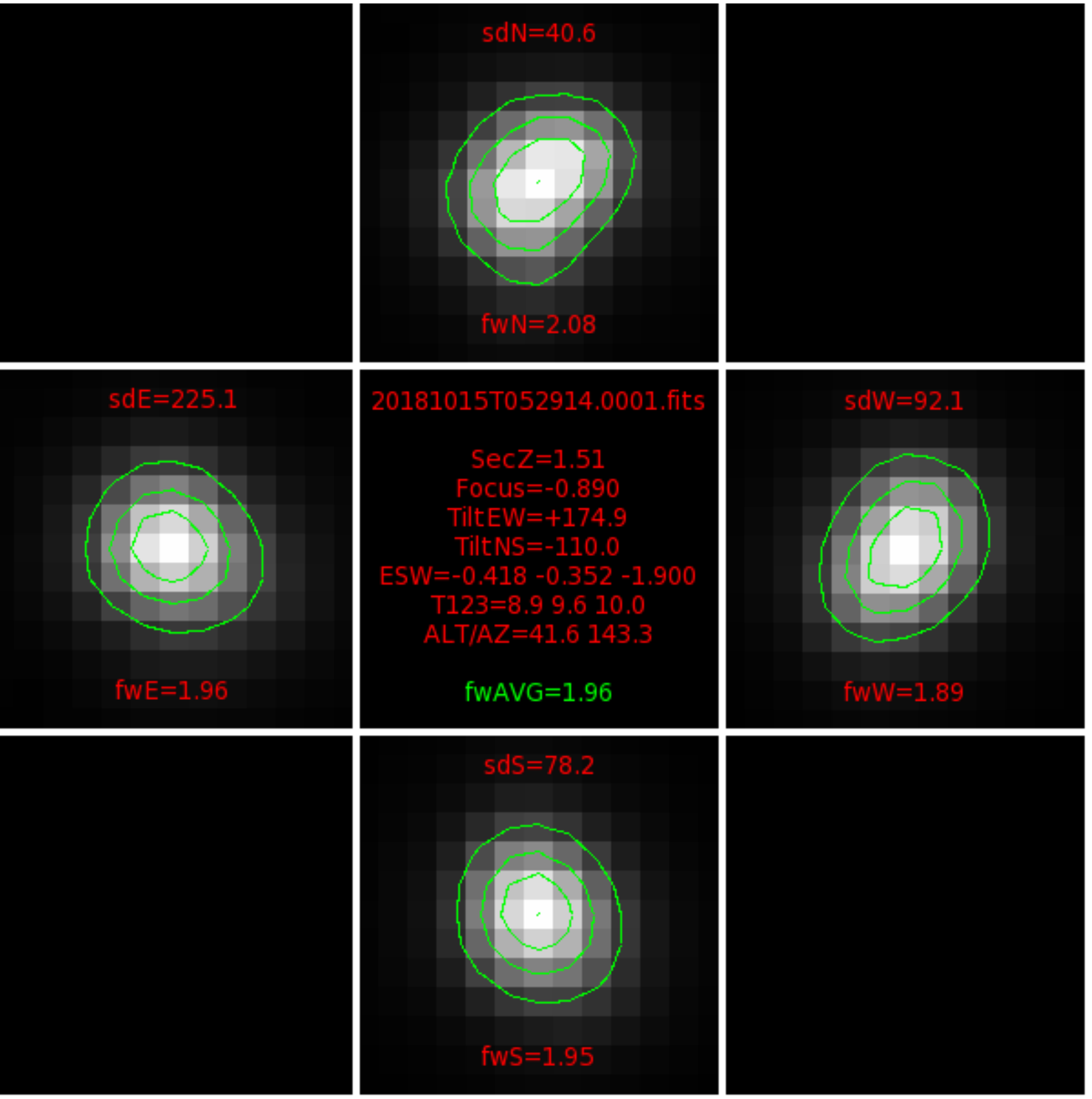
sdN=40.6
fwN=2.08
sdE=225.1
fwE=1.96
20181015T052914.0001.fits
SecZ=1.51
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.6 10.0
ALT/AZ=41.6 143.3
fwAVG=1.96
sdW=92.1
fwW=1.89
sdS=78.2
fwS=1.95
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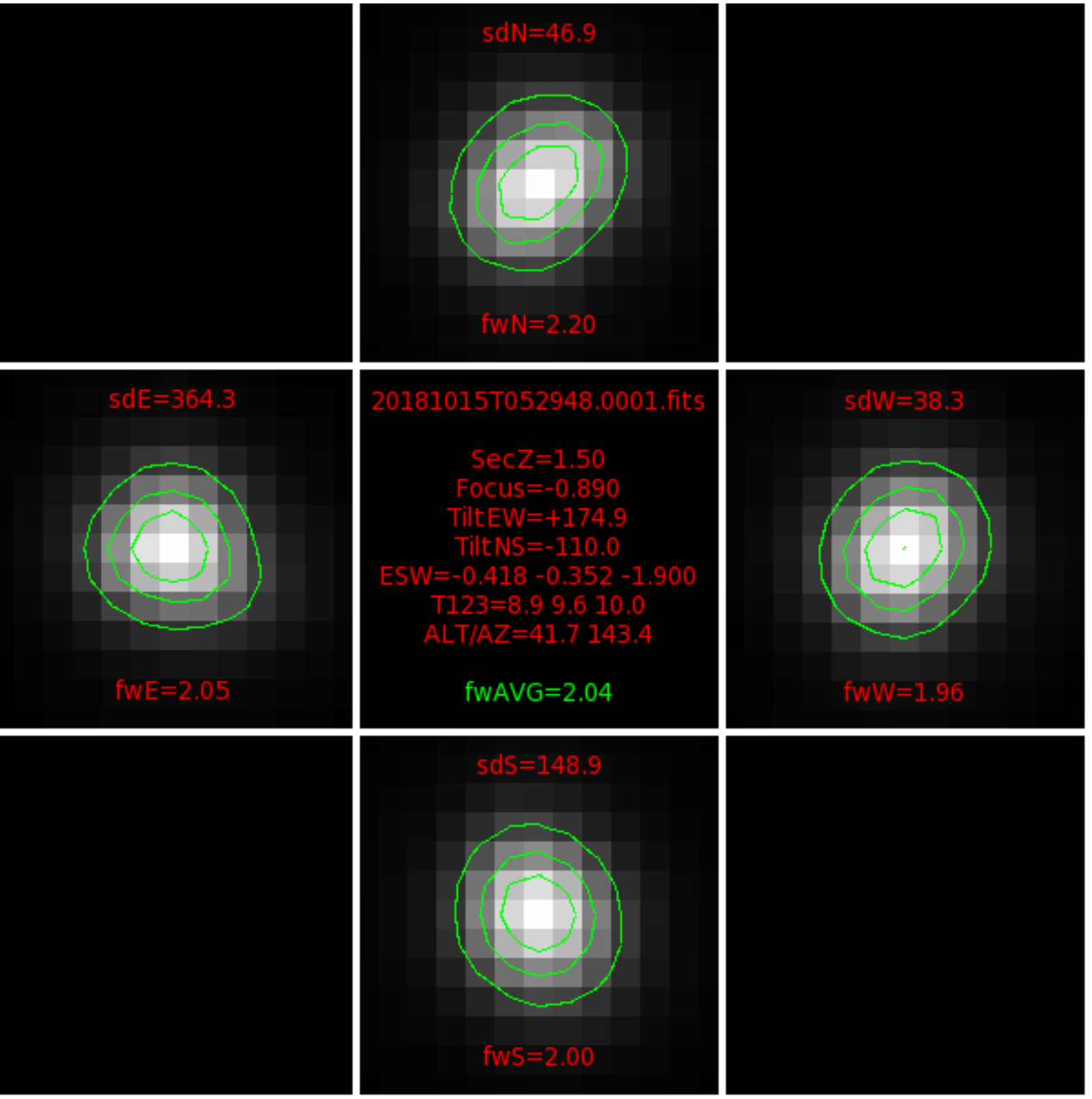
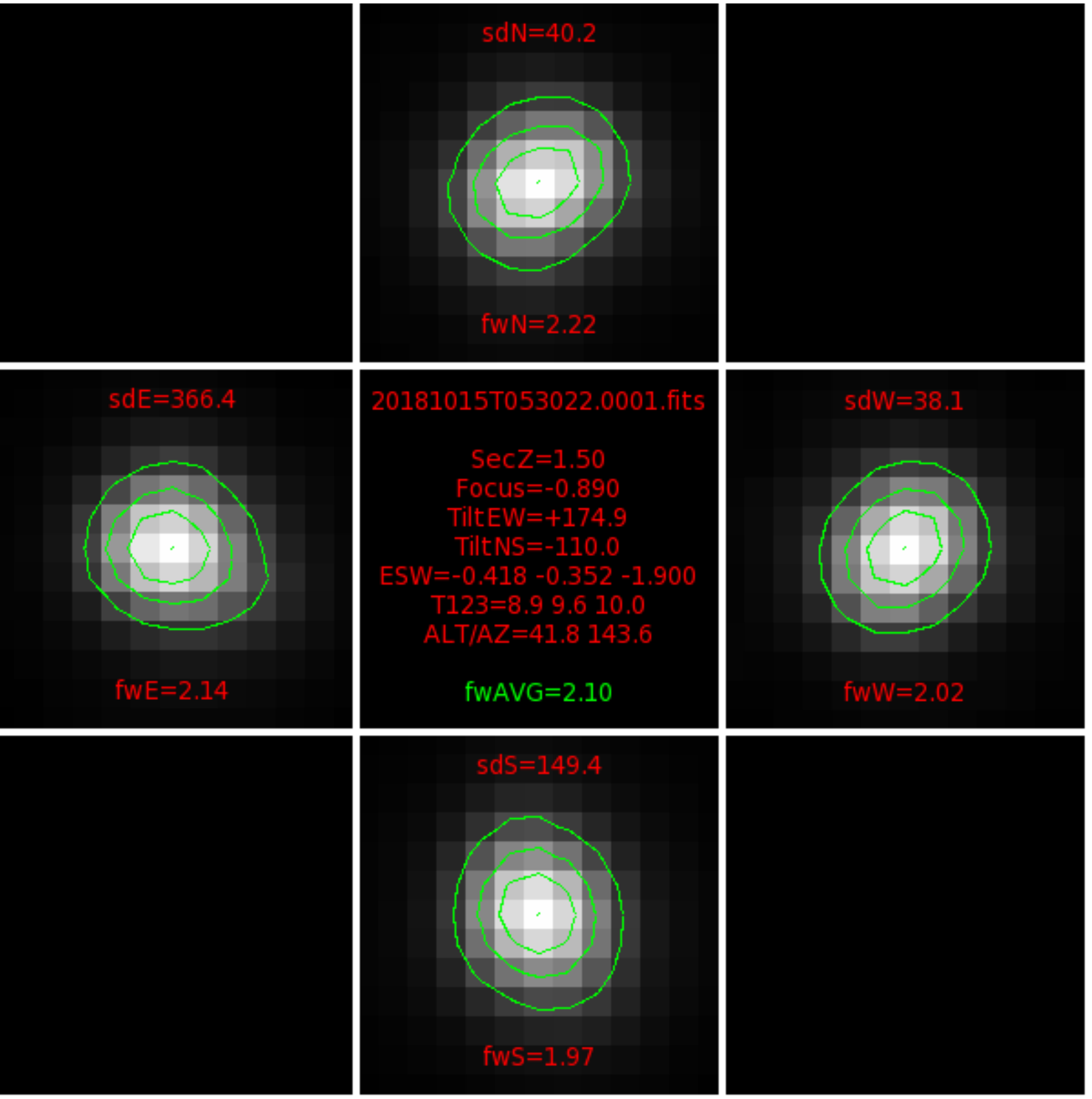
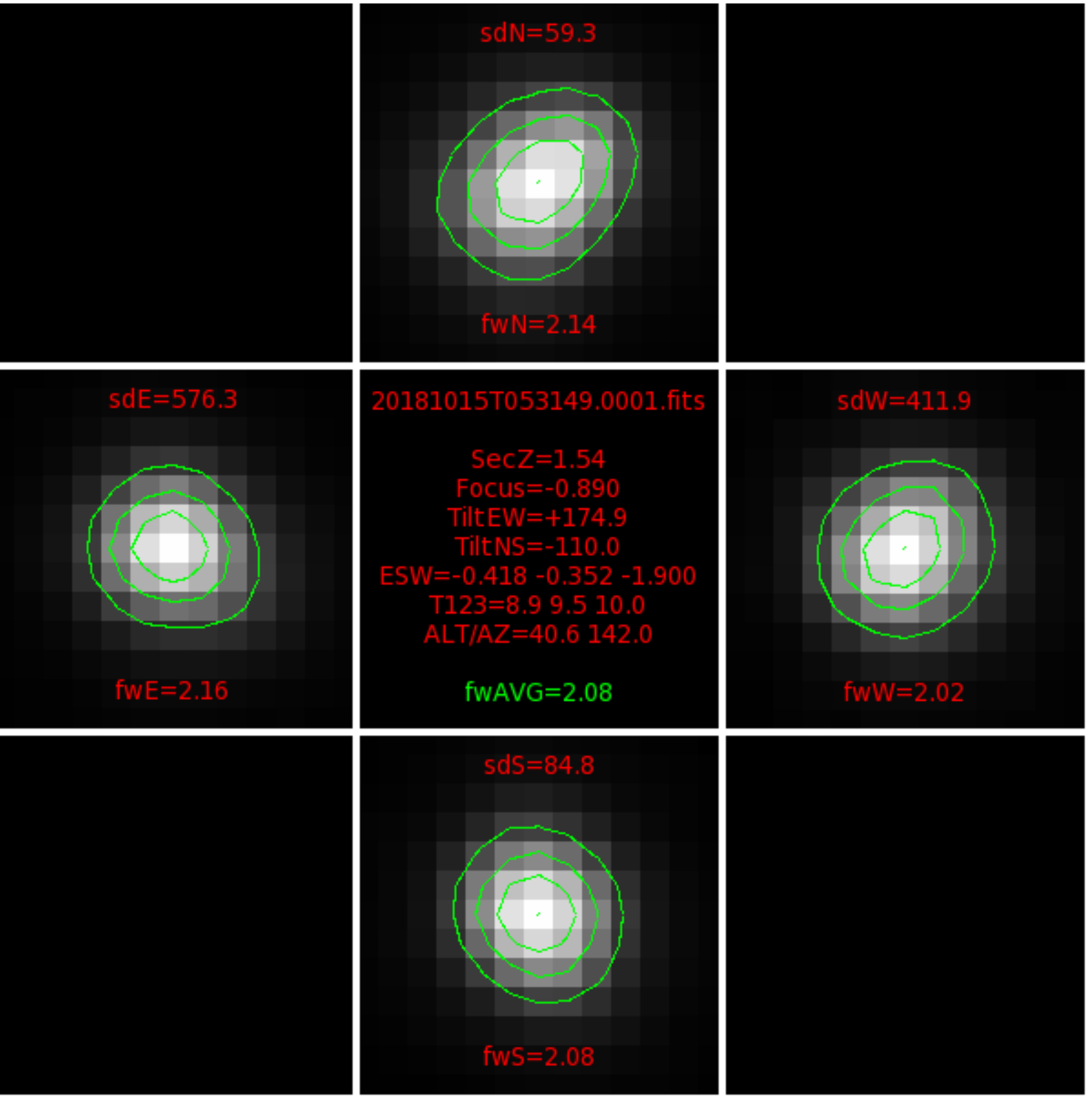

sdN=46.9
fwN=2.20
sdE=364.3
fwE=2.05
20181015T052948.0001.fits
SecZ=1.50
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.6 10.0
ALT/AZ=41.7 143.4
fwAVG=2.04
sdW=38.3
fwW=1.96
sdS=148.9
fwS=2.00
0 0 0 0 0 0 0 0 0


sdN=40.2
fwN=2.22
sdE=366.4
fwE=2.14
20181015T053022.0001.fits
SecZ=1.50
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.6 10.0
ALT/AZ=41.8 143.6
fwAVG=2.10
sdW=38.1
fwW=2.02
sdS=149.4
fwS=1.97
0 0 0 0 0 0 0 0 0


sdN=59.3
fwN=2.14
sdE=576.3
fwE=2.16
20181015T053149.0001.fits
SecZ=1.54
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.5 10.0
ALT/AZ=40.6 142.0
fwAVG=2.08
sdW=411.9
fwW=2.02
sdS=84.8
fwS=2.08
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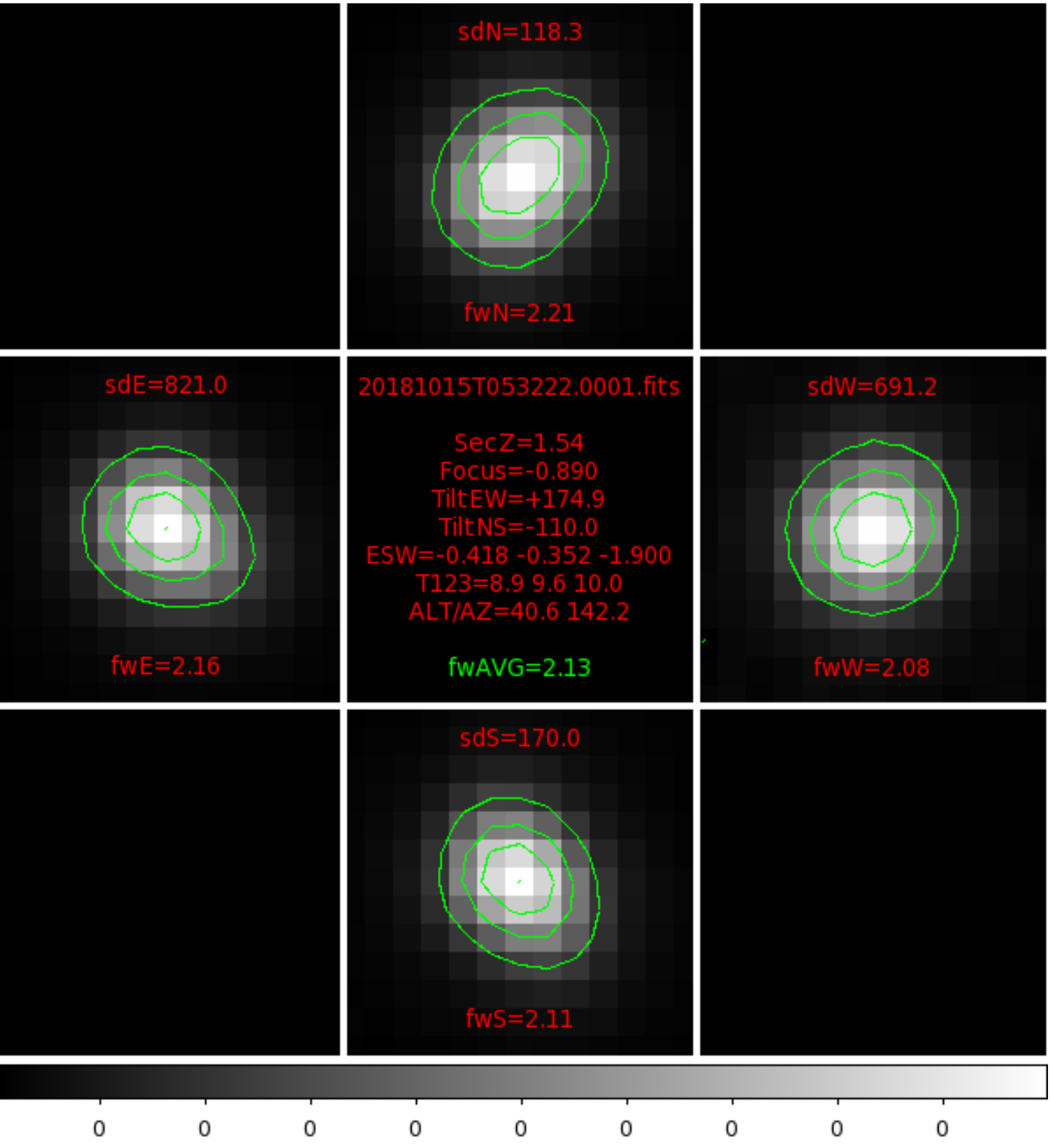
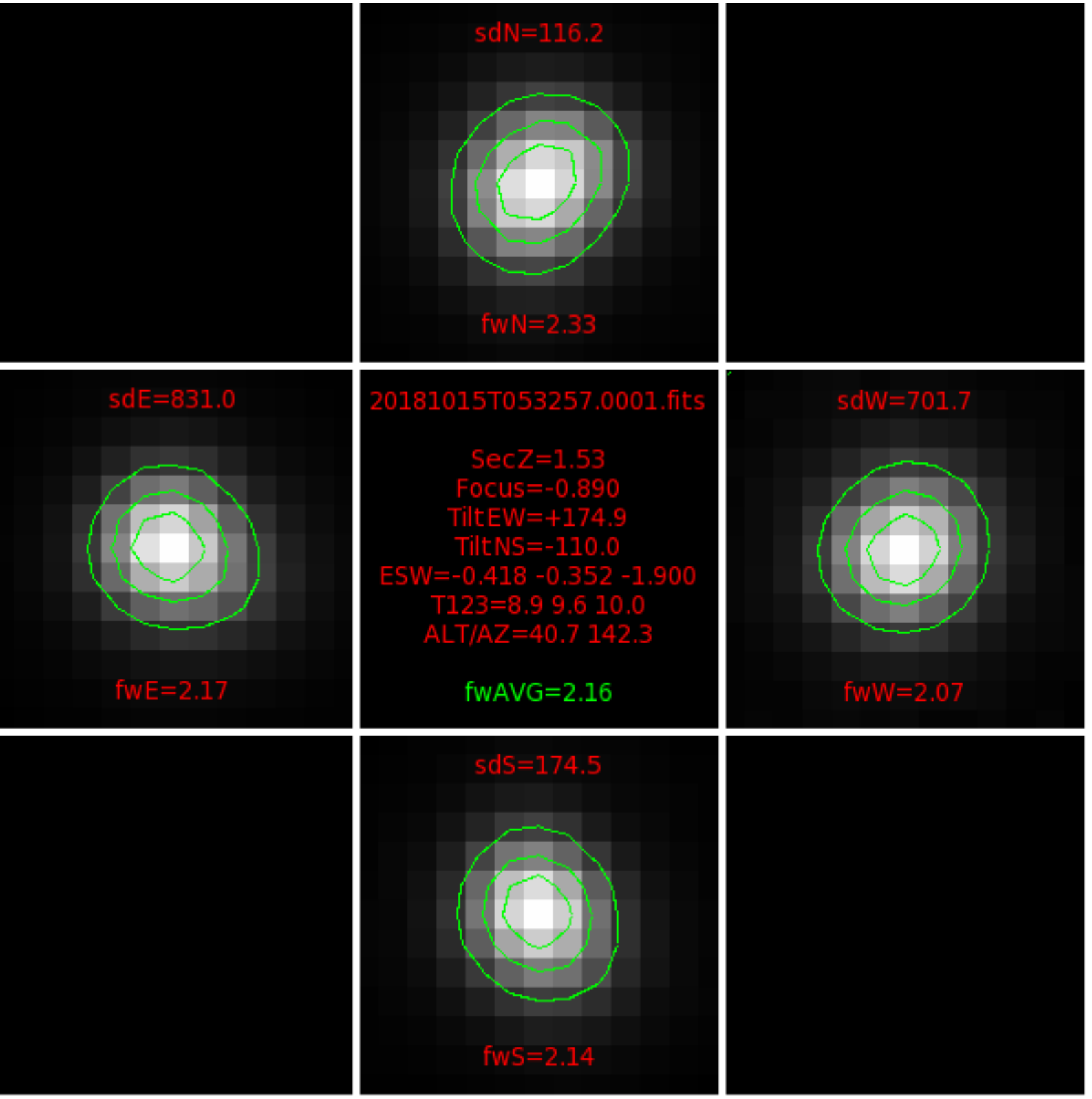
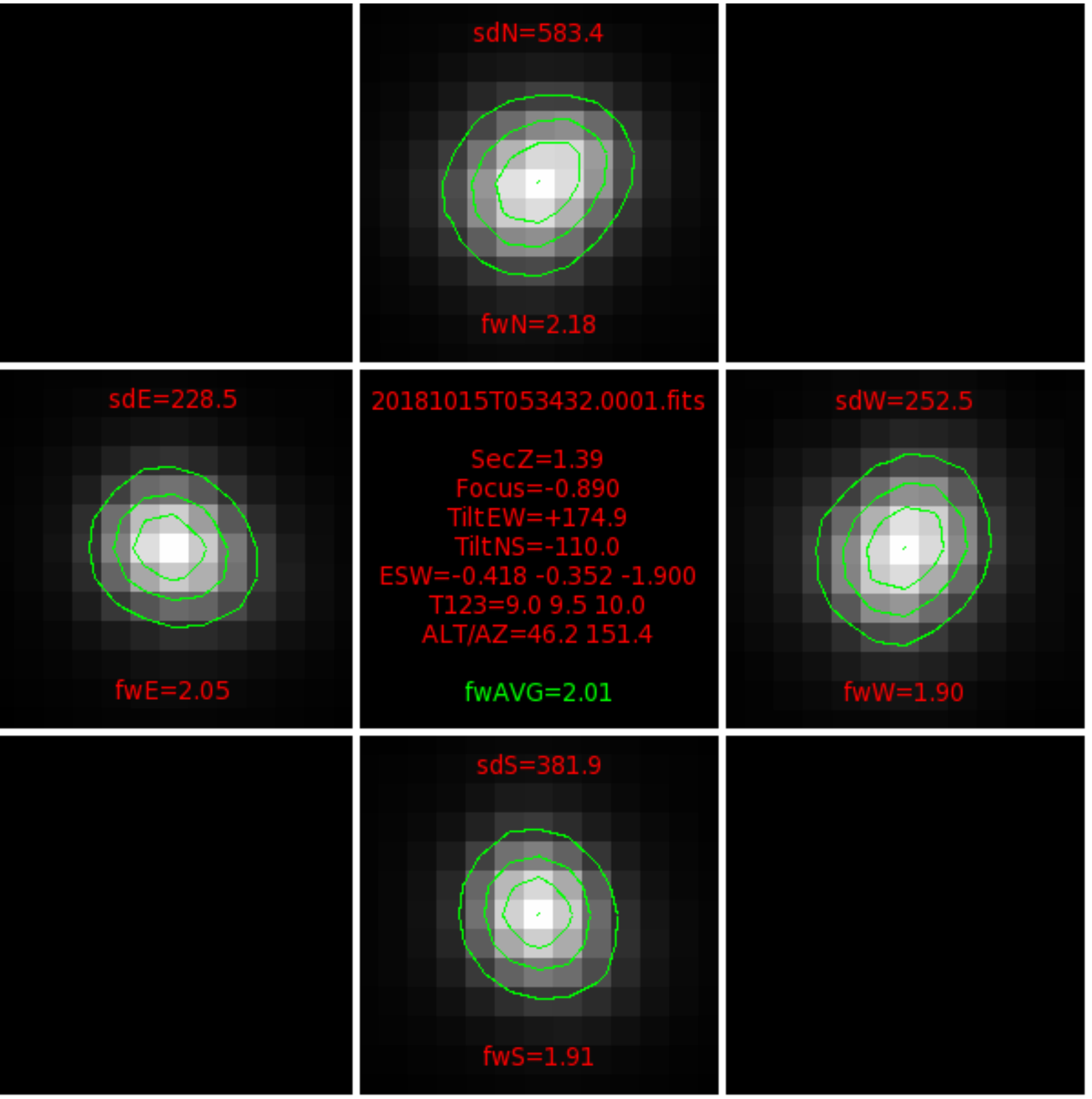

sdN=118.3
fwN=2.21
sdE=821.0
fwE=2.16
20181015T053222.0001.fits
SecZ=1.54
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.6 10.0
ALT/AZ=40.6 142.2
fwAVG=2.13
sdW=691.2
fwW=2.08
sdS=170.0
fwS=2.11
0 0 0 0 0 0 0 0 0


sdN=116.2
fwN=2.33
sdE=831.0
fwE=2.17
20181015T053257.0001.fits
SecZ=1.53
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.6 10.0
ALT/AZ=40.7 142.3
fwAVG=2.16
sdW=701.7
fwW=2.07
sdS=174.5
fwS=2.14
0 0 0 0 0 0 0 0 0


sdN=583.4
fwN=2.18
sdE=228.5
fwE=2.05
20181015T053432.0001.fits
SecZ=1.39
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.5 10.0
ALT/AZ=46.2 151.4
fwAVG=2.01
sdW=252.5
fwW=1.90
sdS=381.9
fwS=1.91
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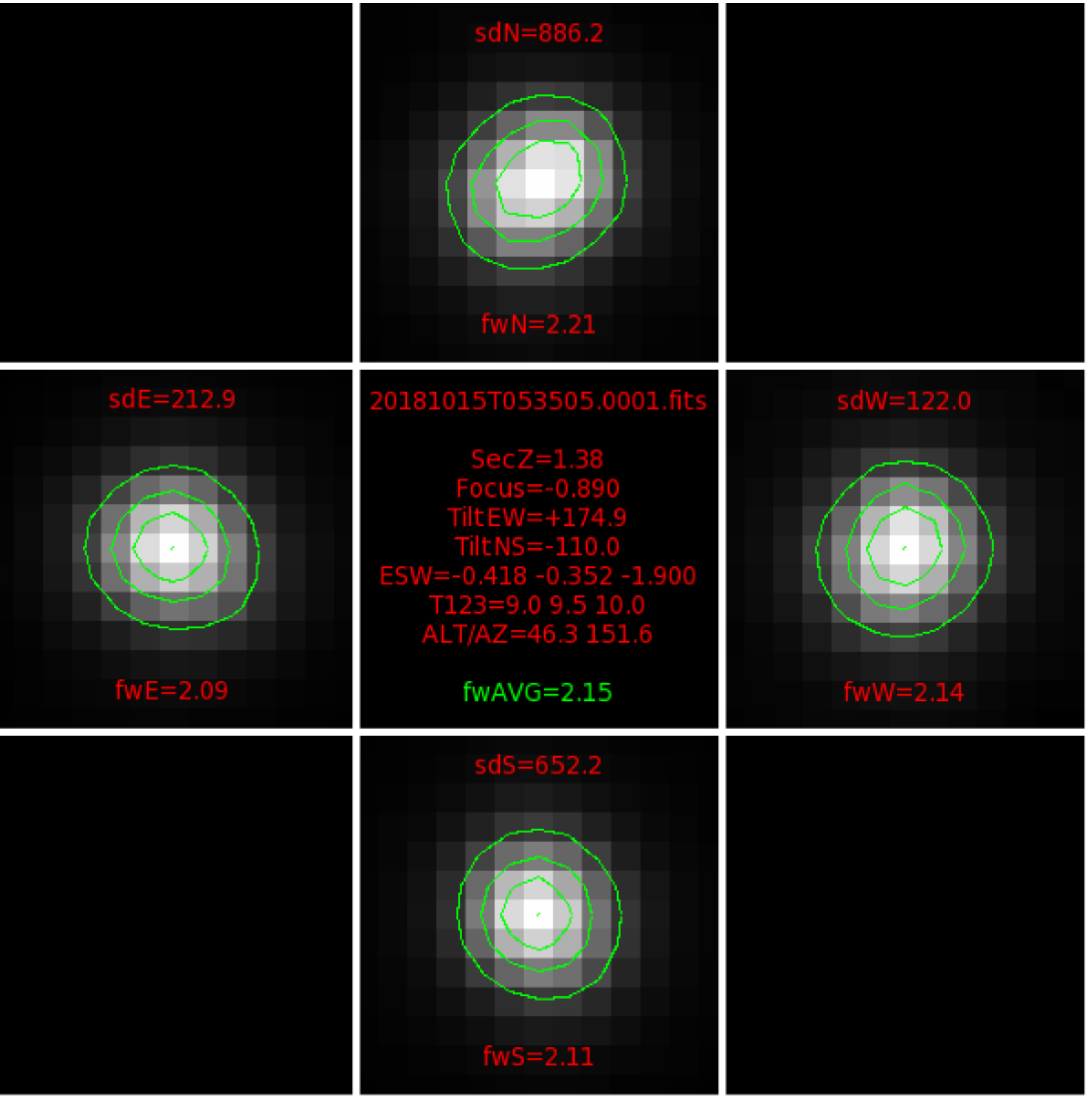
sdN=886.2
fwN=2.21
sdE=212.9
fwE=2.09
20181015T053505.0001.fits
SecZ=1.38
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.5 10.0
ALT/AZ=46.3 151.6
fwAVG=2.15
sdW=122.0
fwW=2.14
sdS=652.2
fwS=2.11
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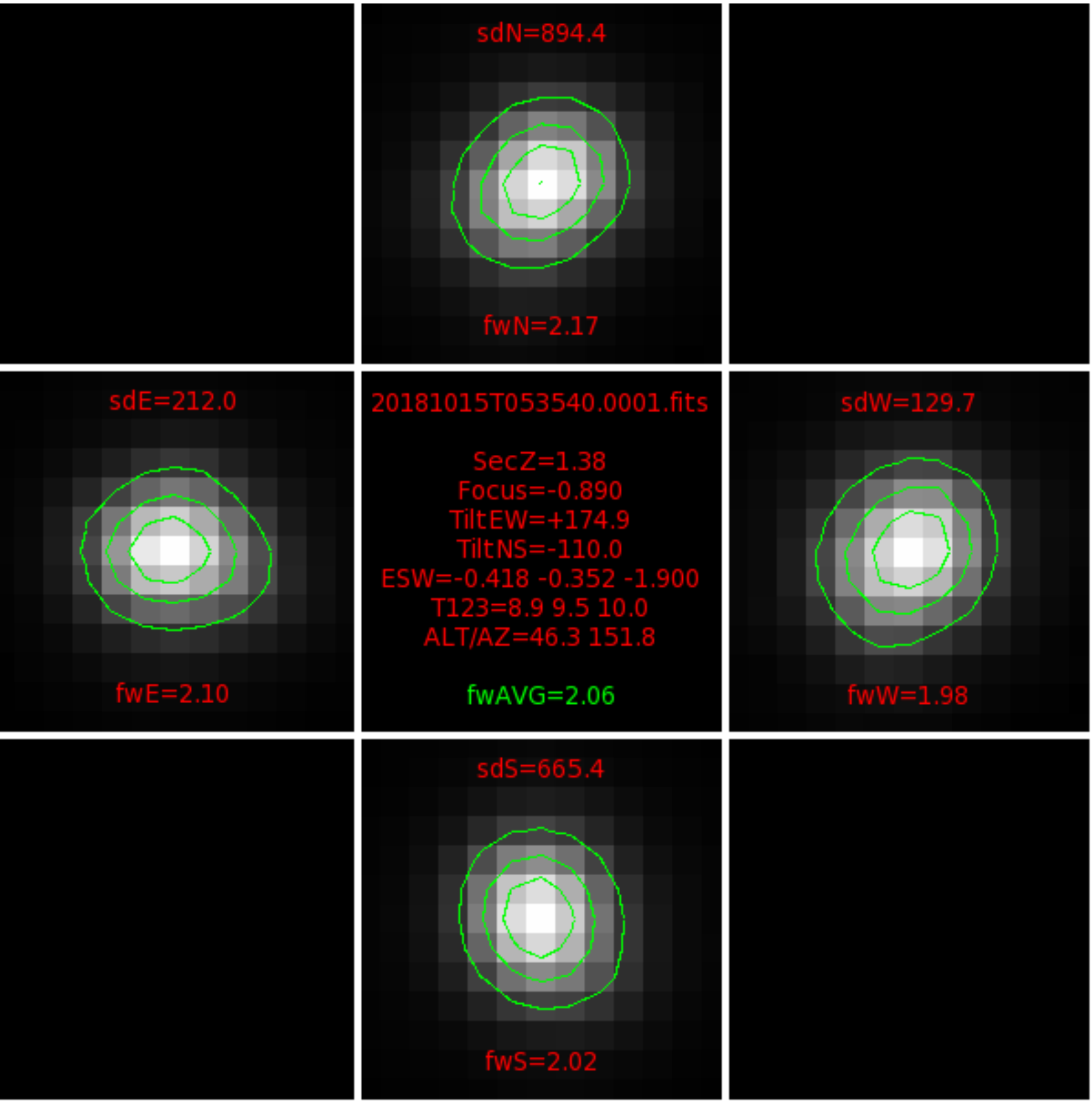
sdN=894.4
fwN=2.17
sdE=212.0
fwE=2.10
20181015T053540.0001.fits
SecZ=1.38
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.5 10.0
ALT/AZ=46.3 151.8
fwAVG=2.06
sdW=129.7
fwW=1.98
sdS=665.4
fwS=2.02
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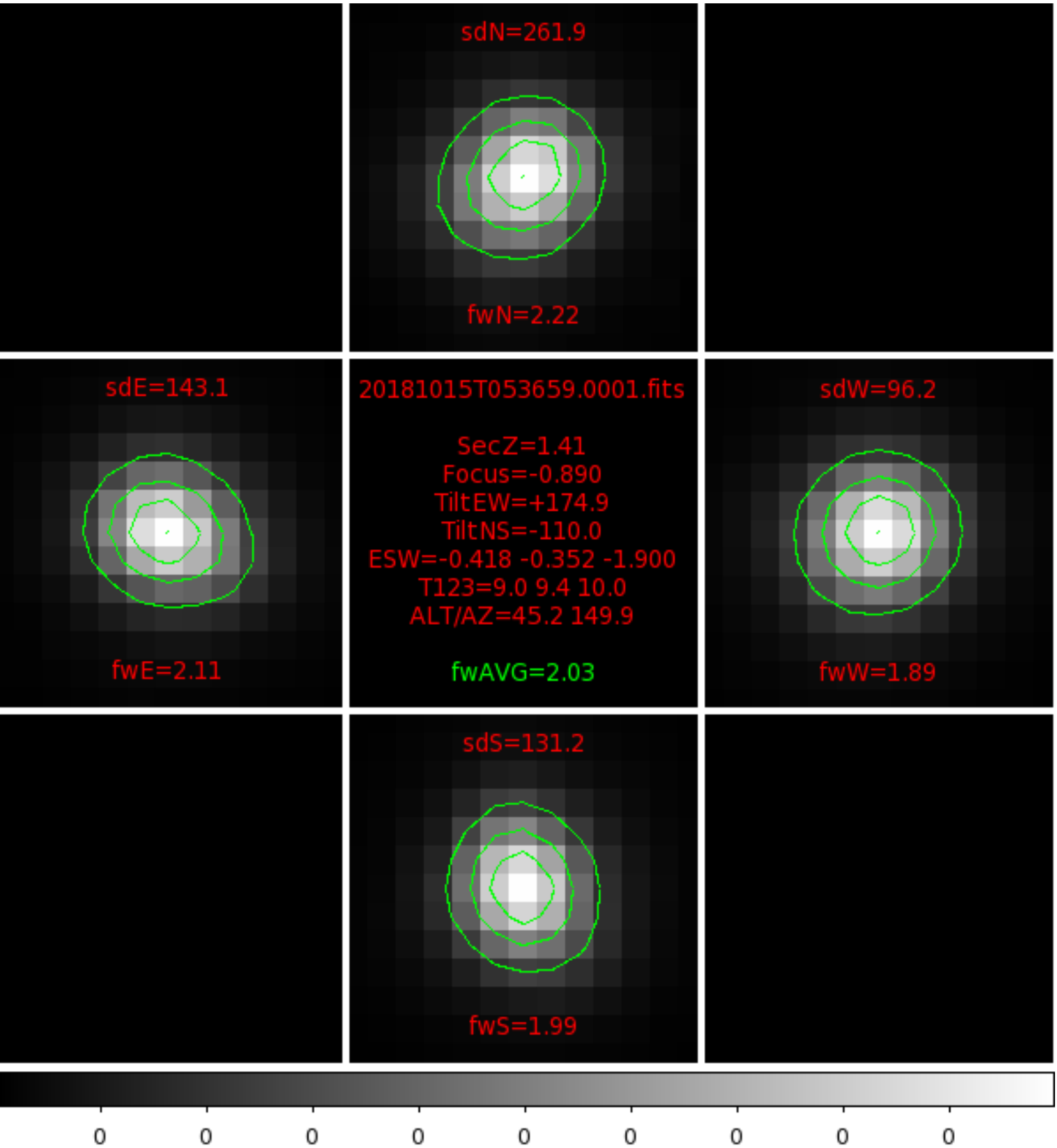
sdN=261.9
fwN=2.22
sdE=143.1
fwE=2.11
20181015T053659.0001.fits
SecZ=1.41
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.4 10.0
ALT/AZ=45.2 149.9
fwAVG=2.03
sdW=96.2
fwW=1.89
sdS=131.2
fwS=1.99
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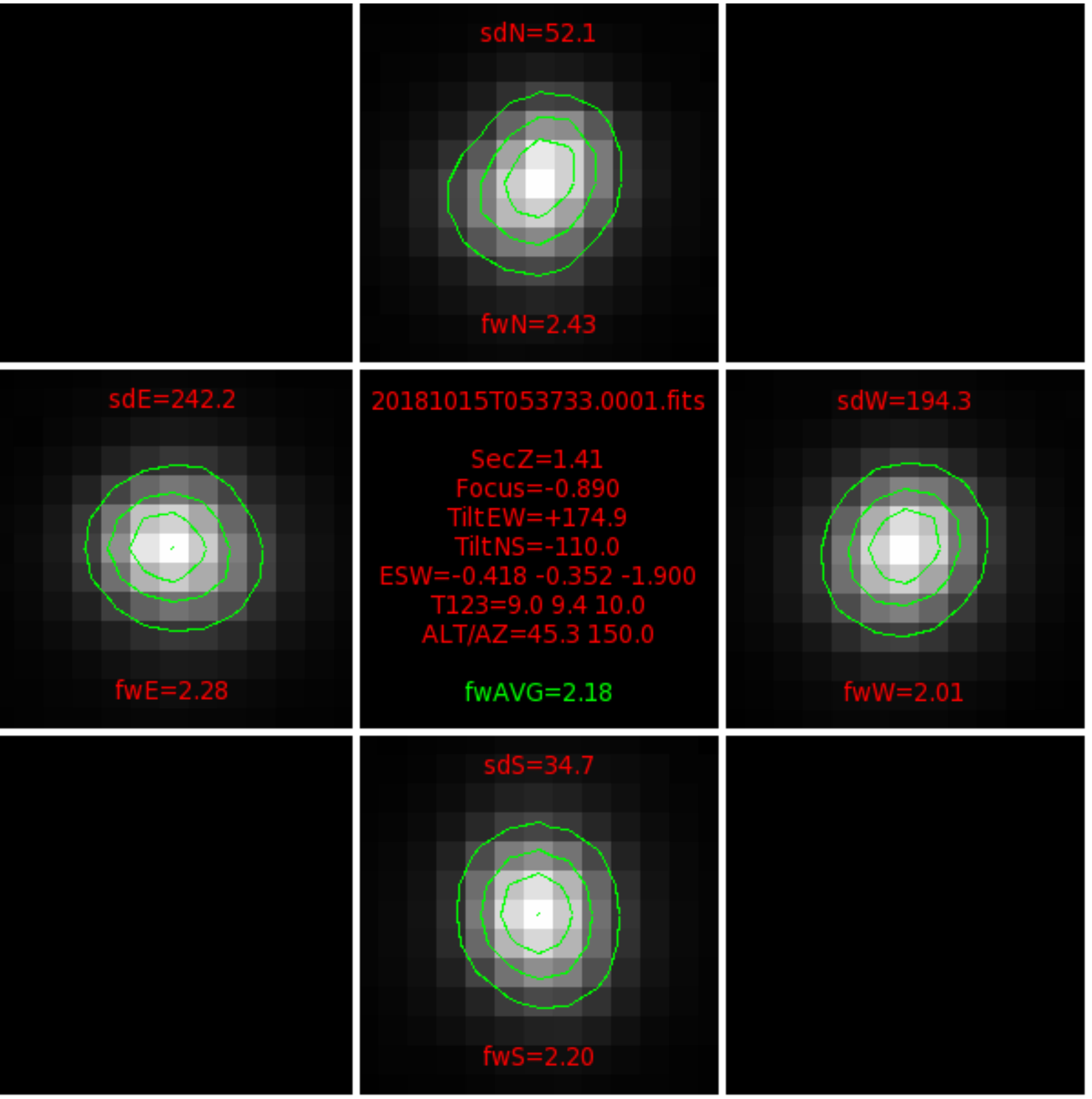
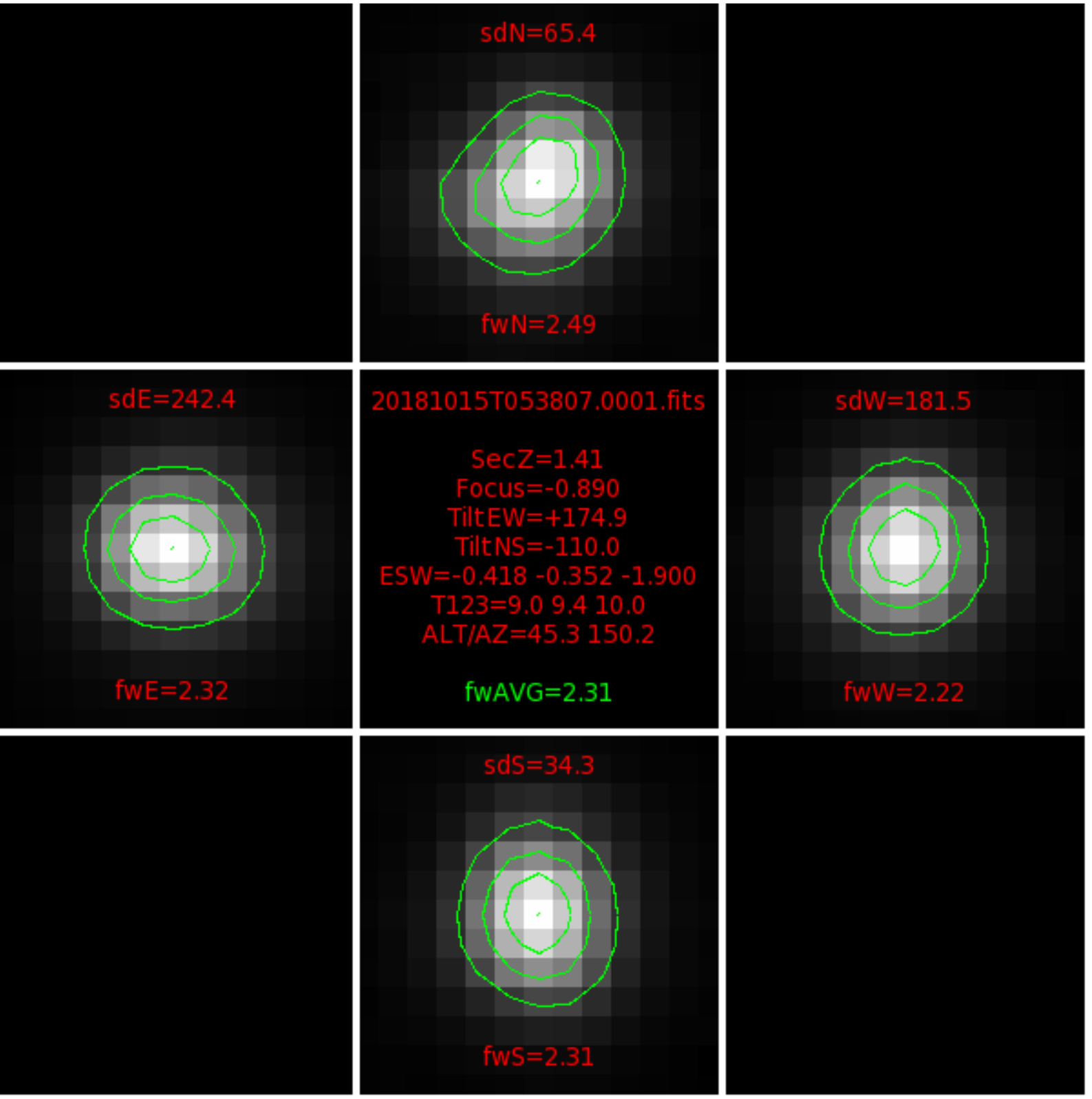

sdN=52.1
fwN=2.43
sdE=242.2
fwE=2.28
20181015T053733.0001.fits
SecZ=1.41
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.4 10.0
ALT/AZ=45.3 150.0
fwAVG=2.18
sdW=194.3
fwW=2.01
sdS=34.7
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=65.4
fwN=2.49
sdE=242.4
fwE=2.32
20181015T053807.0001.fits
SecZ=1.41
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.4 10.0
ALT/AZ=45.3 150.2
fwAVG=2.31
sdW=181.5
fwW=2.22
sdS=34.3
fwS=2.31
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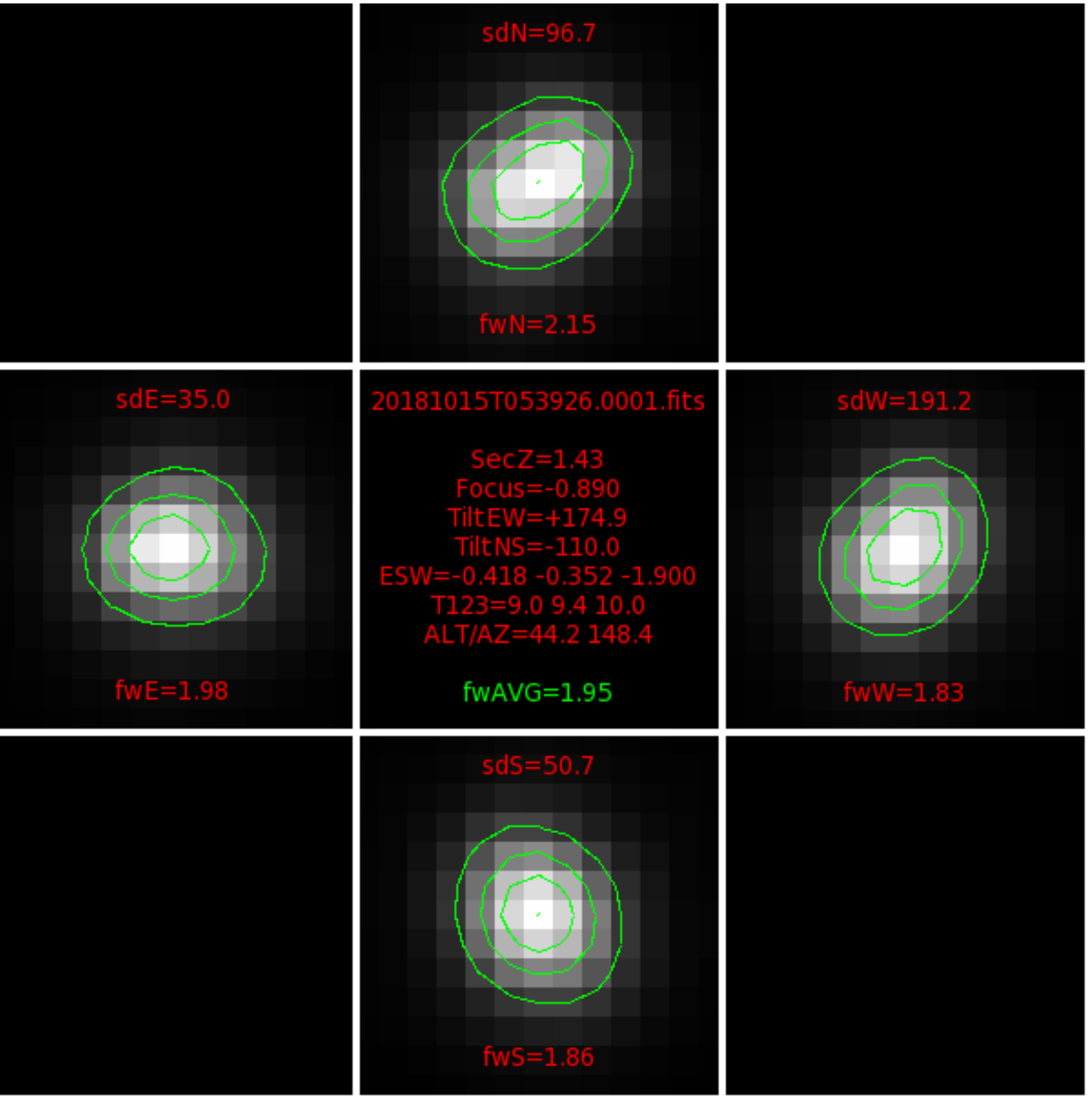
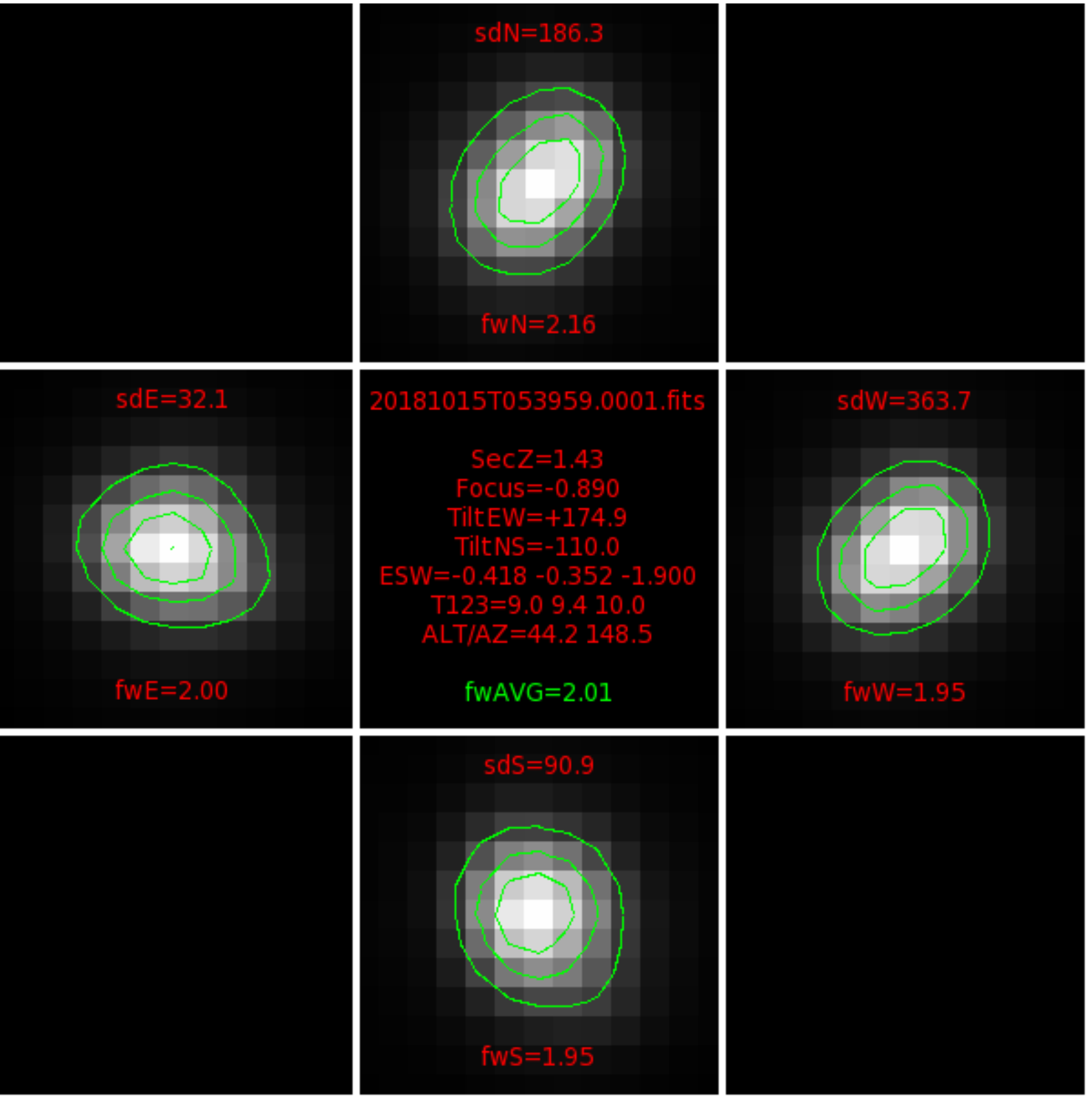
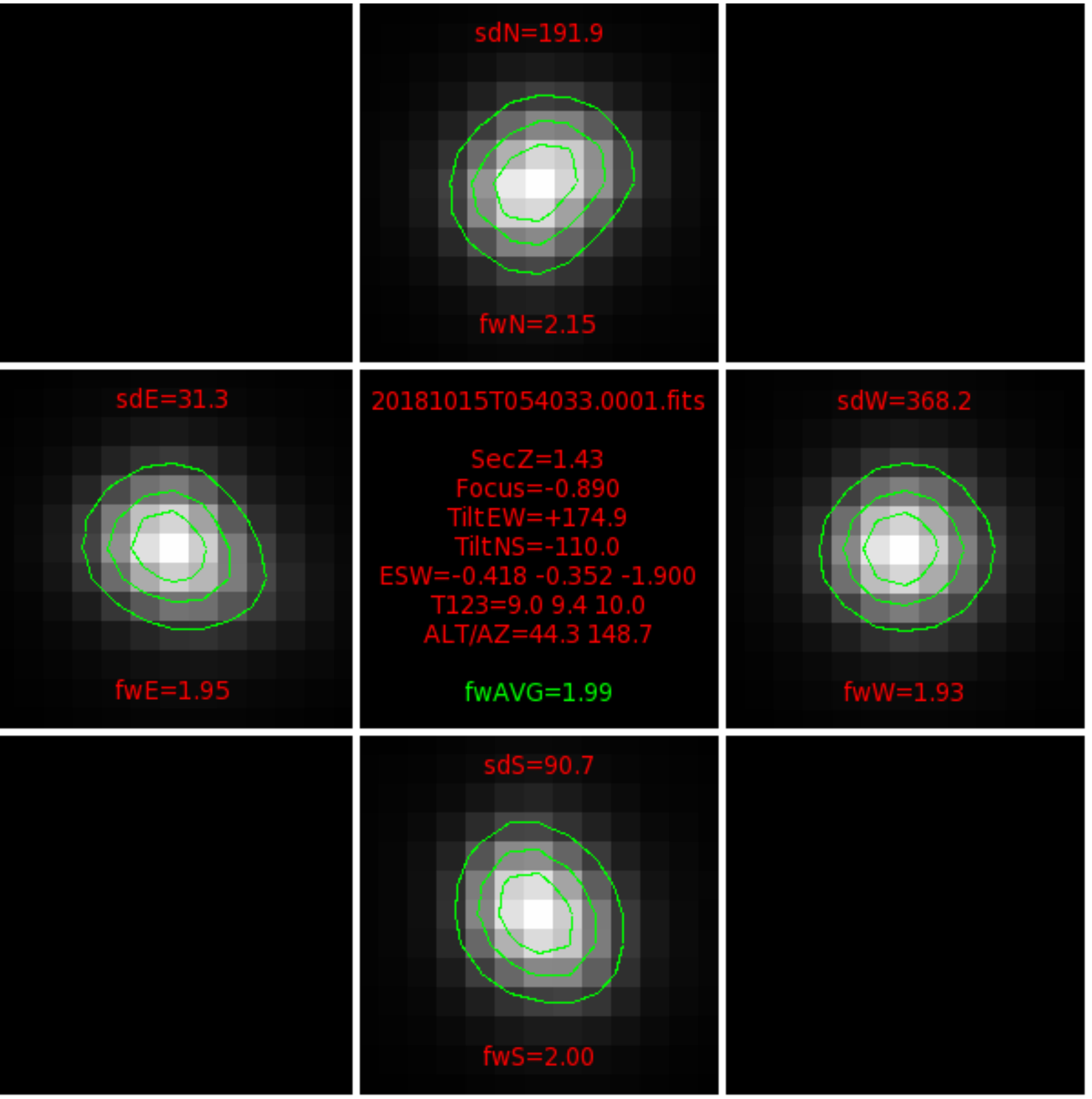

sdN=96.7
fwN=2.15
sdE=35.0
fwE=1.98
20181015T053926.0001.fits
SecZ=1.43
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.4 10.0
ALT/AZ=44.2 148.4
fwAVG=1.95
sdW=191.2
fwW=1.83
sdS=50.7
fwS=1.86
0 0 0 0 0 0 0 0 0


sdN=186.3
fwN=2.16
sdE=32.1
fwE=2.00
20181015T053959.0001.fits
SecZ=1.43
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.4 10.0
ALT/AZ=44.2 148.5
fwAVG=2.01
sdW=363.7
fwW=1.95
sdS=90.9
fwS=1.95
0 0 0 0 0 0 0 0 0


sdN=191.9
fwN=2.15
sdE=31.3
fwE=1.95
20181015T054033.0001.fits
SecZ=1.43
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.4 10.0
ALT/AZ=44.3 148.7
fwAVG=1.99
sdW=368.2
fwW=1.93
sdS=90.7
fwS=2.00
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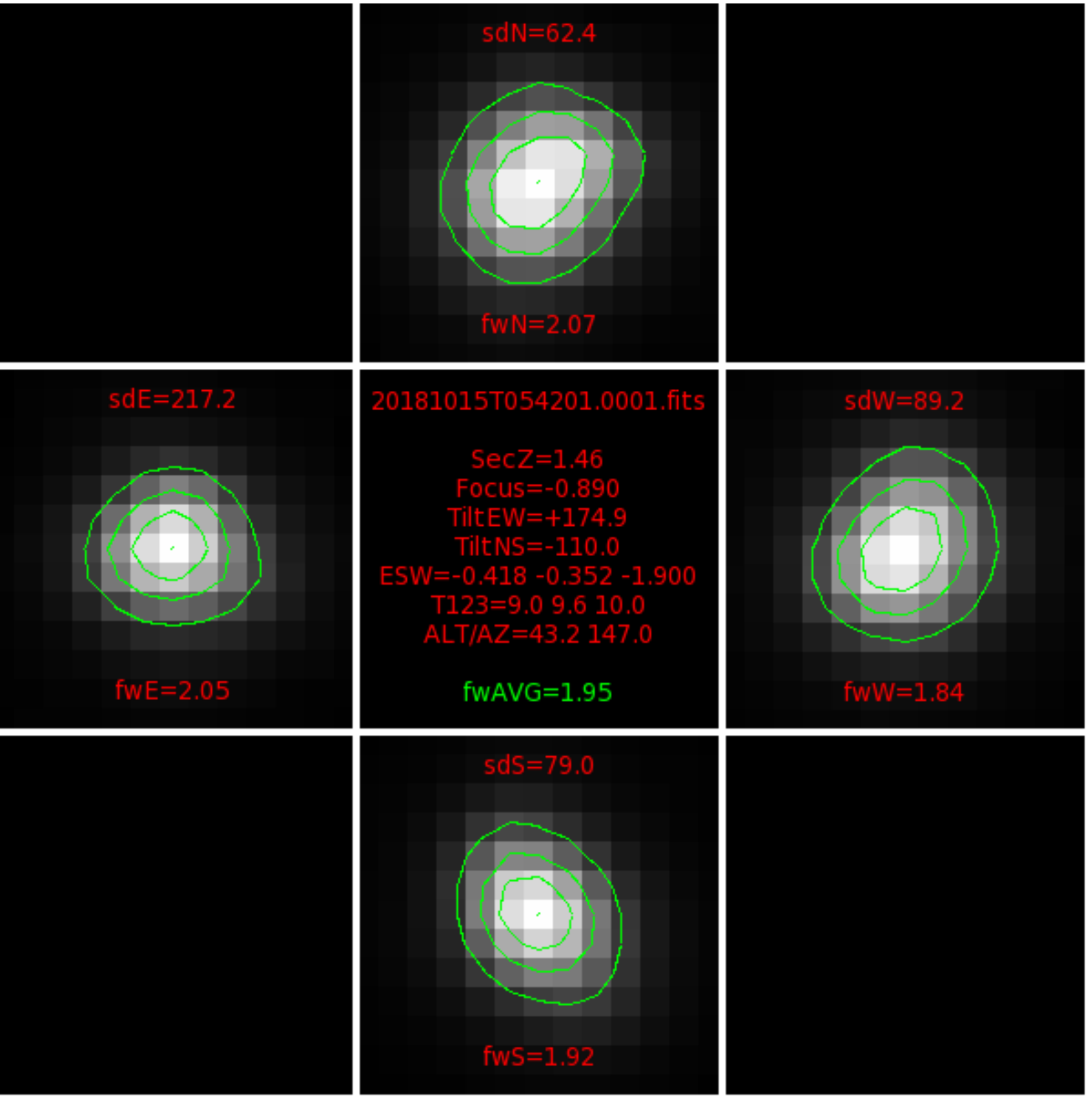
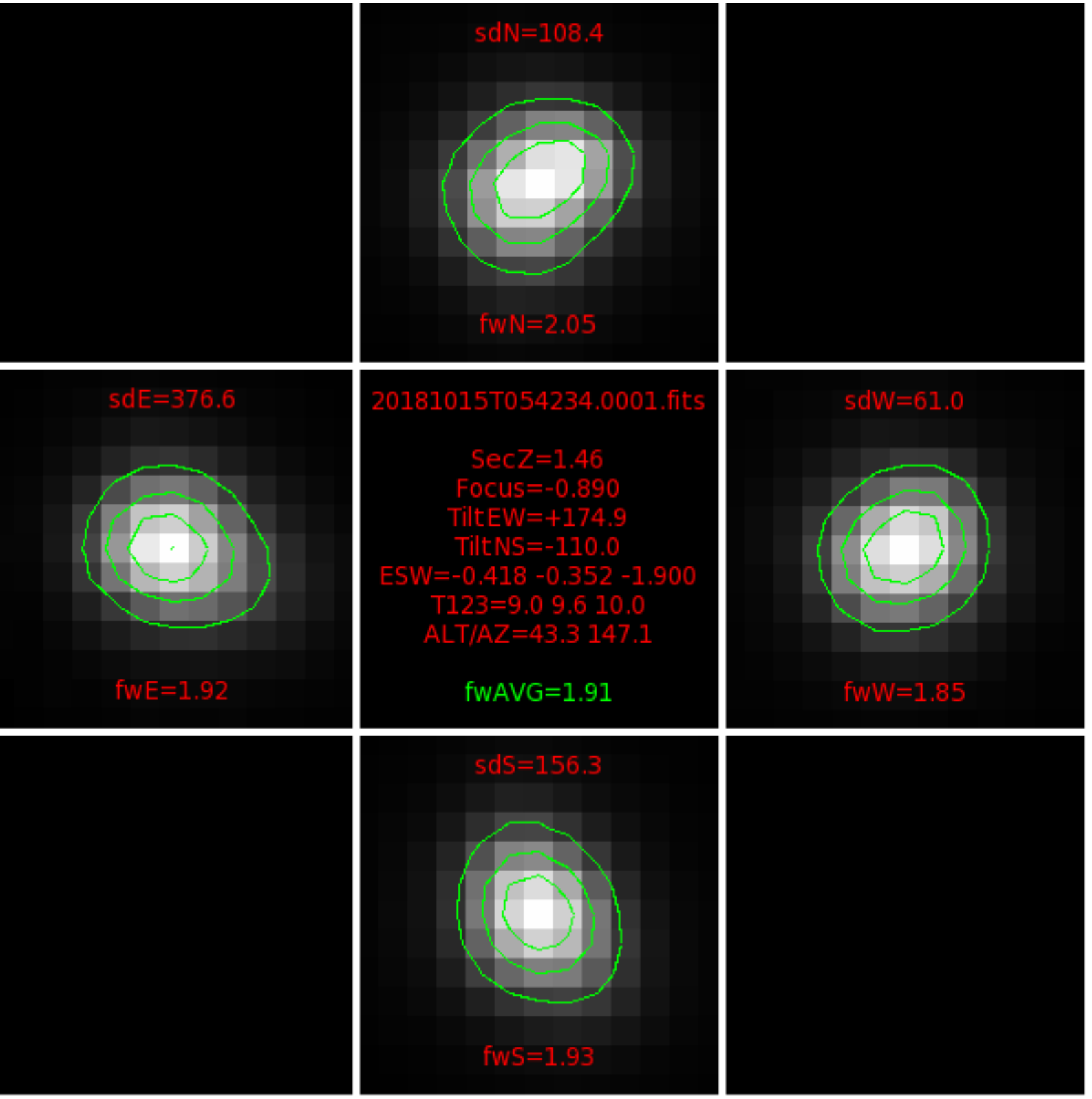
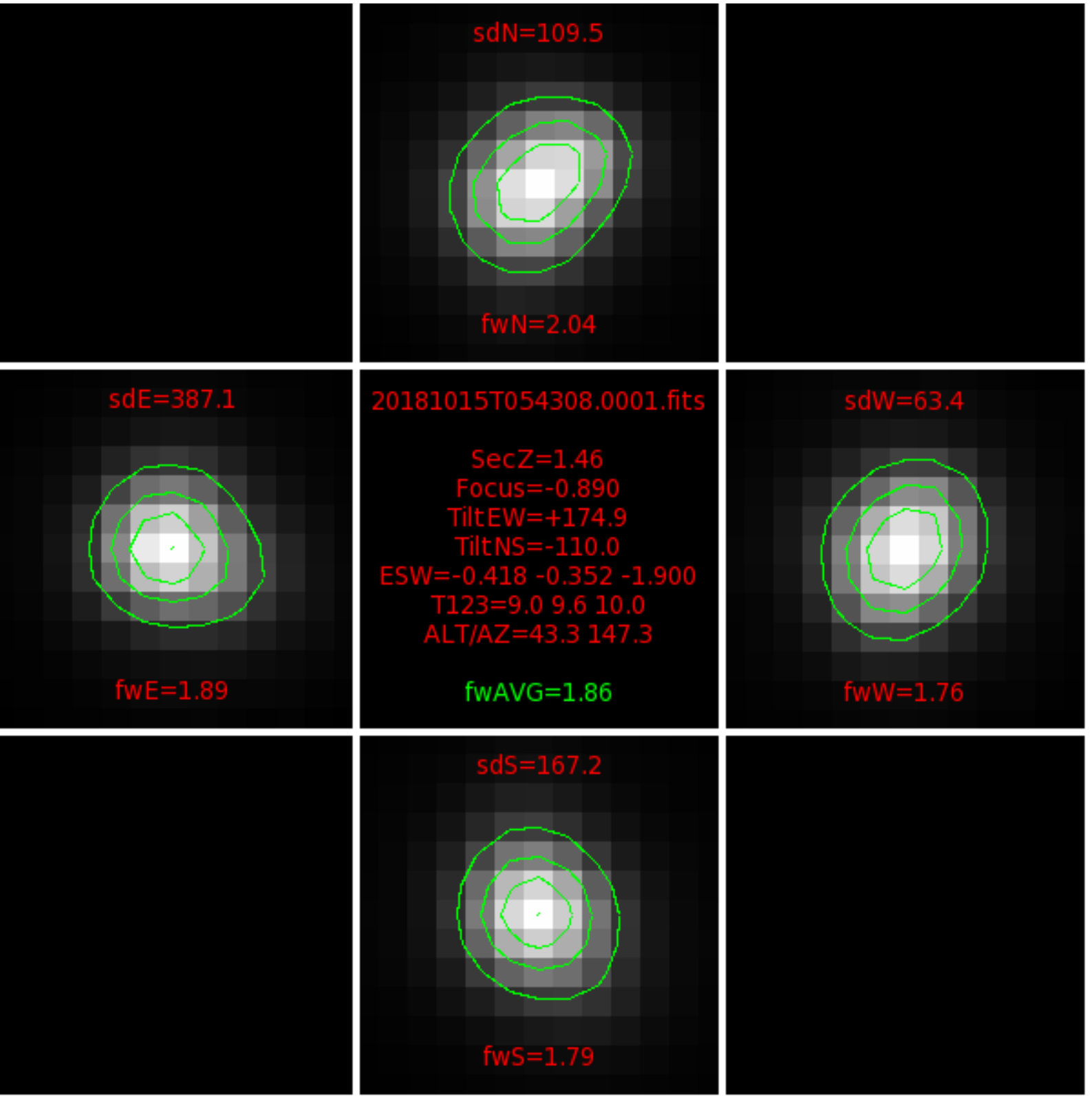

sdN=62.4
fwN=2.07
sdE=217.2
fwE=2.05
20181015T054201.0001.fits
SecZ=1.46
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.6 10.0
ALT/AZ=43.2 147.0
fwAVG=1.95
sdW=89.2
fwW=1.84
sdS=79.0
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=108.4
fwN=2.05
sdE=376.6
fwE=1.92
20181015T054234.0001.fits
SecZ=1.46
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.6 10.0
ALT/AZ=43.3 147.1
fwAVG=1.91
sdW=61.0
fwW=1.85
sdS=156.3
fwS=1.93
0 0 0 0 0 0 0 0 0


sdN=109.5
fwN=2.04
sdE=387.1
fwE=1.89
20181015T054308.0001.fits
SecZ=1.46
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.6 10.0
ALT/AZ=43.3 147.3
fwAVG=1.86
sdW=63.4
fwW=1.76
sdS=167.2
fwS=1.79
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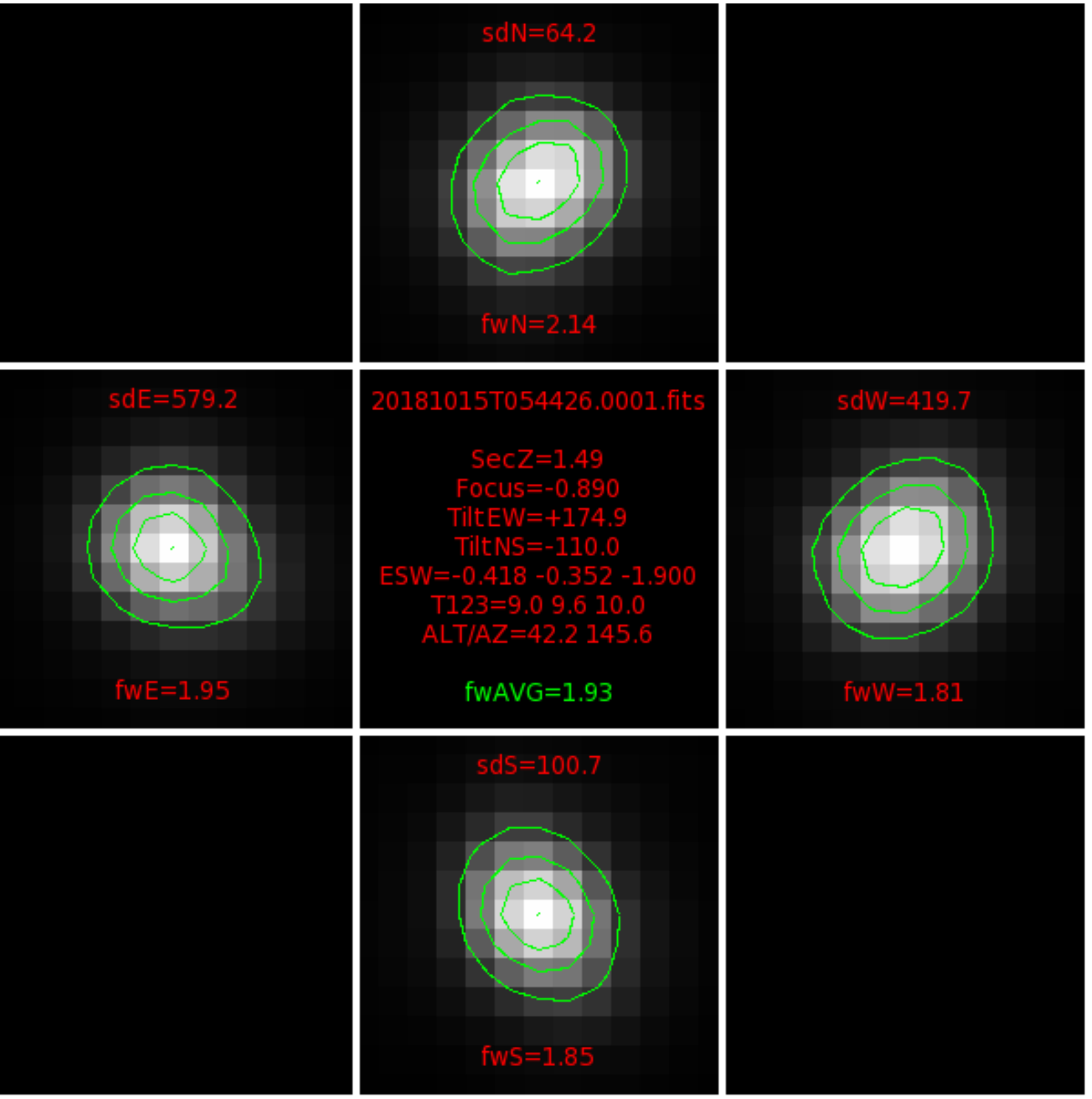
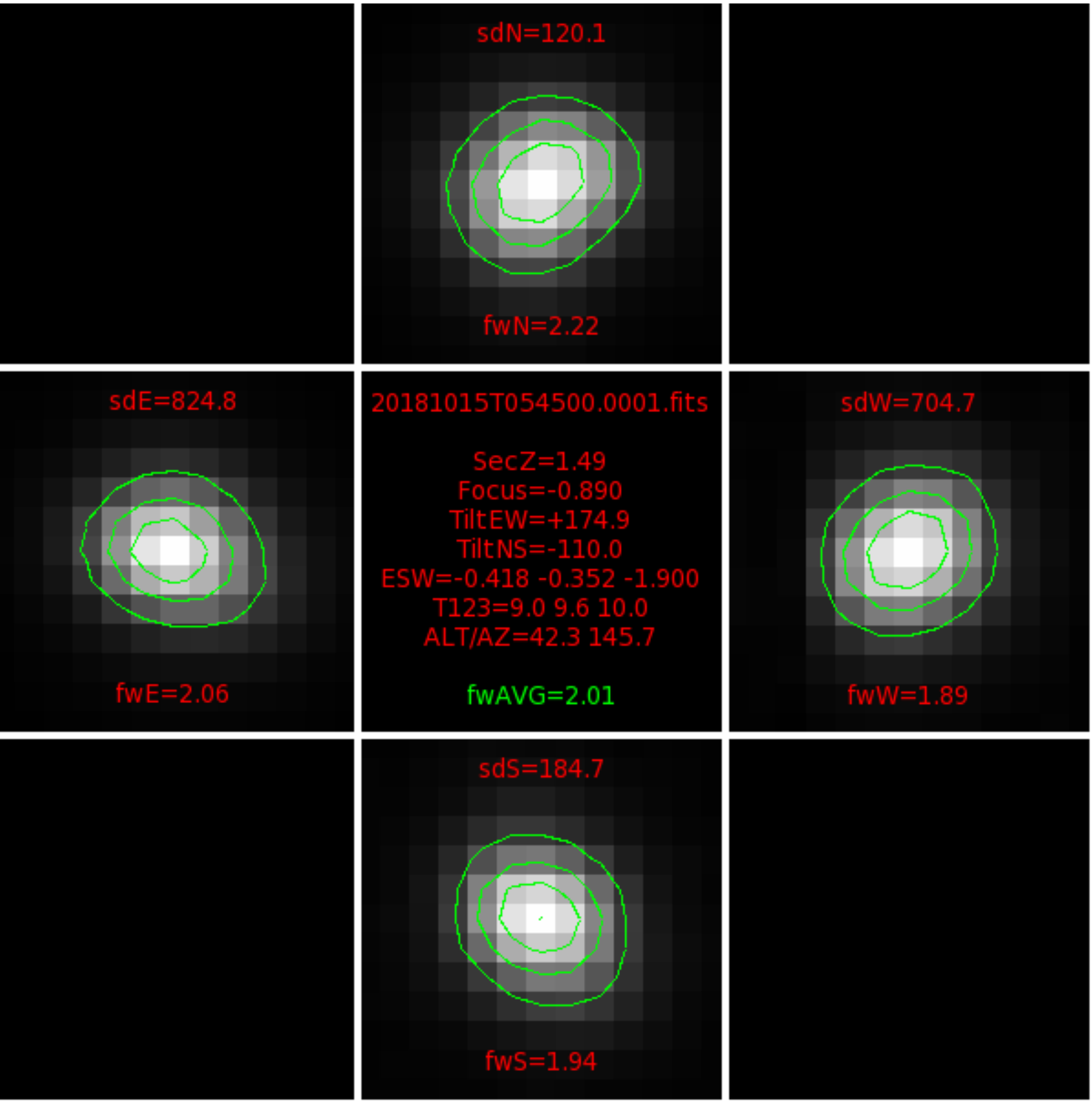

sdN=64.2
fwN=2.14
sdE=579.2
fwE=1.95
20181015T054426.0001.fits
SecZ=1.49
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.6 10.0
ALT/AZ=42.2 145.6
fwAVG=1.93
sdW=419.7
fwW=1.81
sdS=100.7
fwS=1.85
0 0 0 0 0 0 0 0 0


sdN=120.1
fwN=2.22
sdE=824.8
fwE=2.06
20181015T054500.0001.fits
SecZ=1.49
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.6 10.0
ALT/AZ=42.3 145.7
fwAVG=2.01
sdW=704.7
fwW=1.89
sdS=184.7
fwS=1.94
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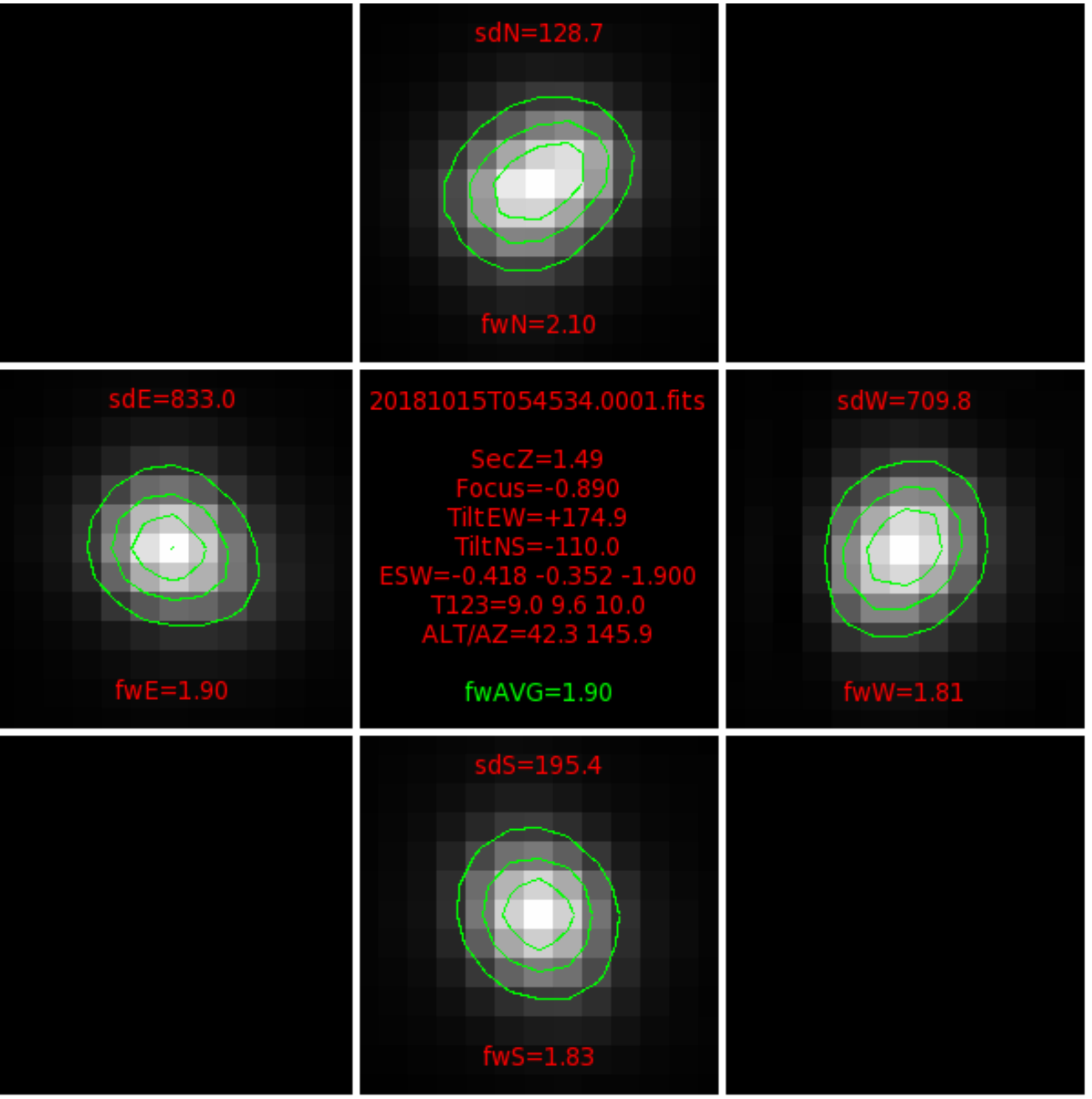
sdN=128.7
fwN=2.10
sdE=833.0
fwE=1.90
20181015T054534.0001.fits
SecZ=1.49
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.6 10.0
ALT/AZ=42.3 145.9
fwAVG=1.90
sdW=709.8
fwW=1.81
sdS=195.4
fwS=1.83
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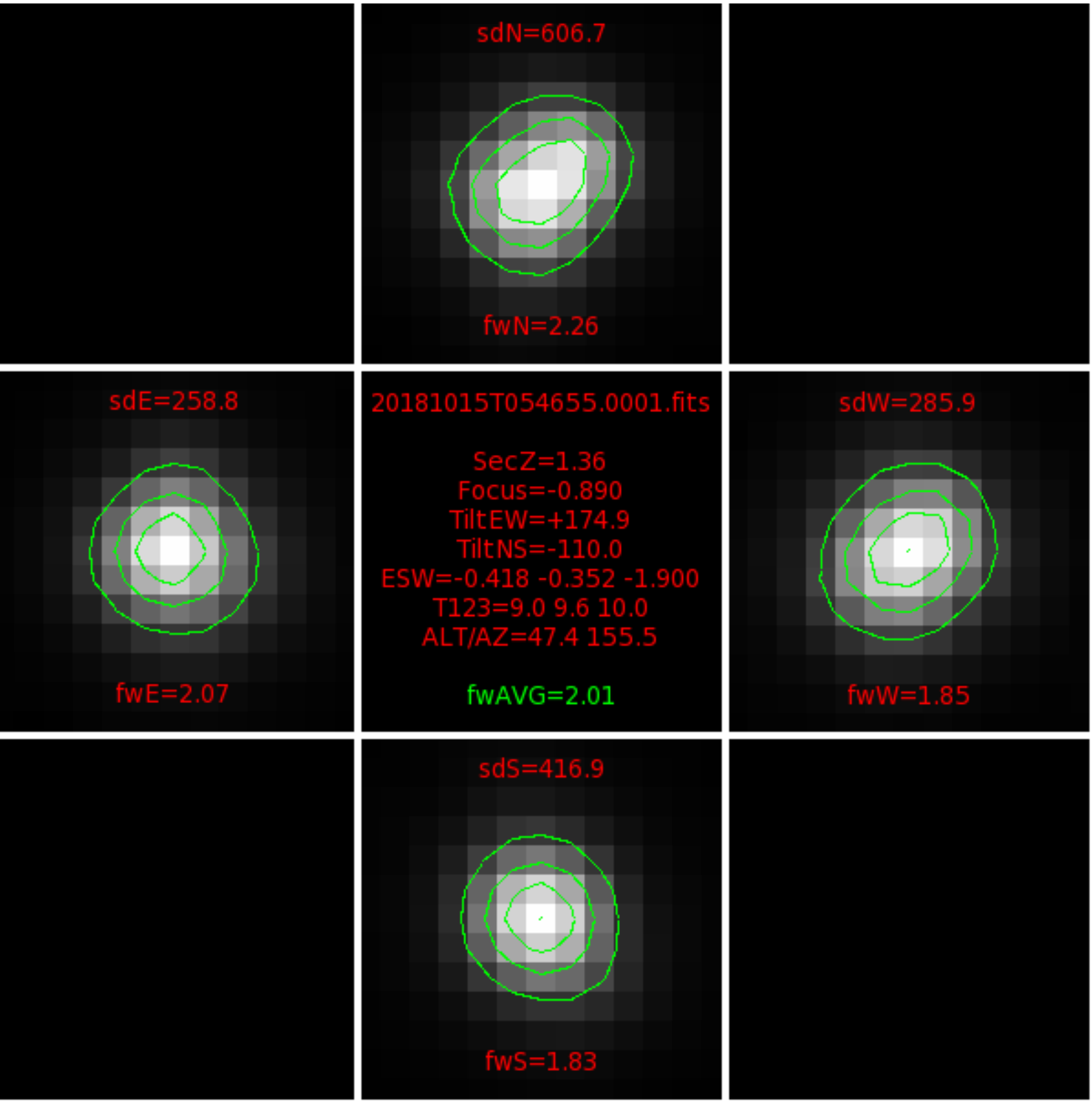
sdN=606.7
fwN=2.26
sdE=258.8
fwE=2.07
20181015T054655.0001.fits
SecZ=1.36
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.6 10.0
ALT/AZ=47.4 155.5
fwAVG=2.01
sdW=285.9
fwW=1.85
sdS=416.9
fwS=1.83
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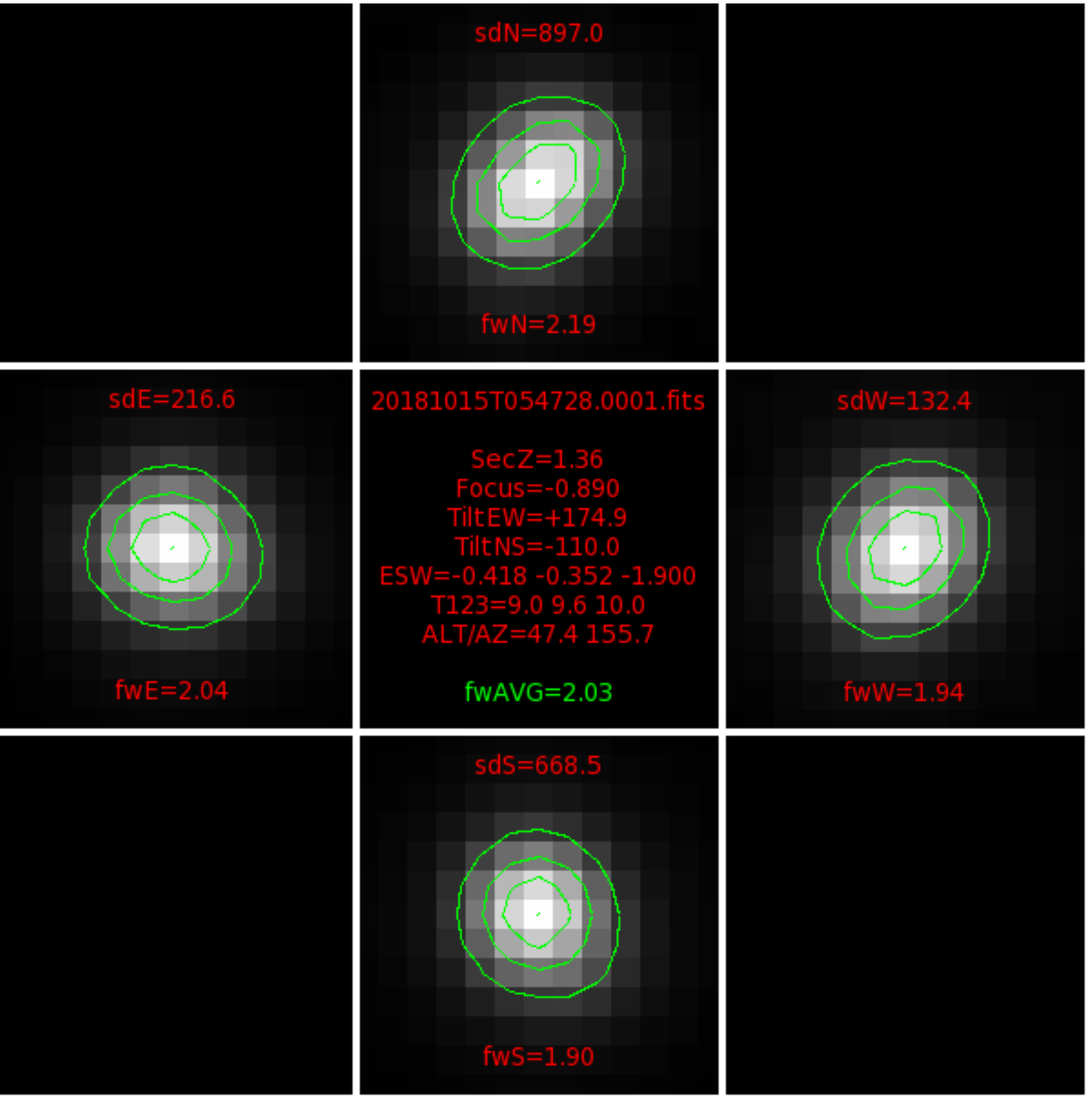
sdN=897.0
fwN=2.19
sdE=216.6
fwE=2.04
20181015T054728.0001.fits
SecZ=1.36
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.6 10.0
ALT/AZ=47.4 155.7
fwAVG=2.03
sdW=132.4
fwW=1.94
sdS=668.5
fwS=1.90
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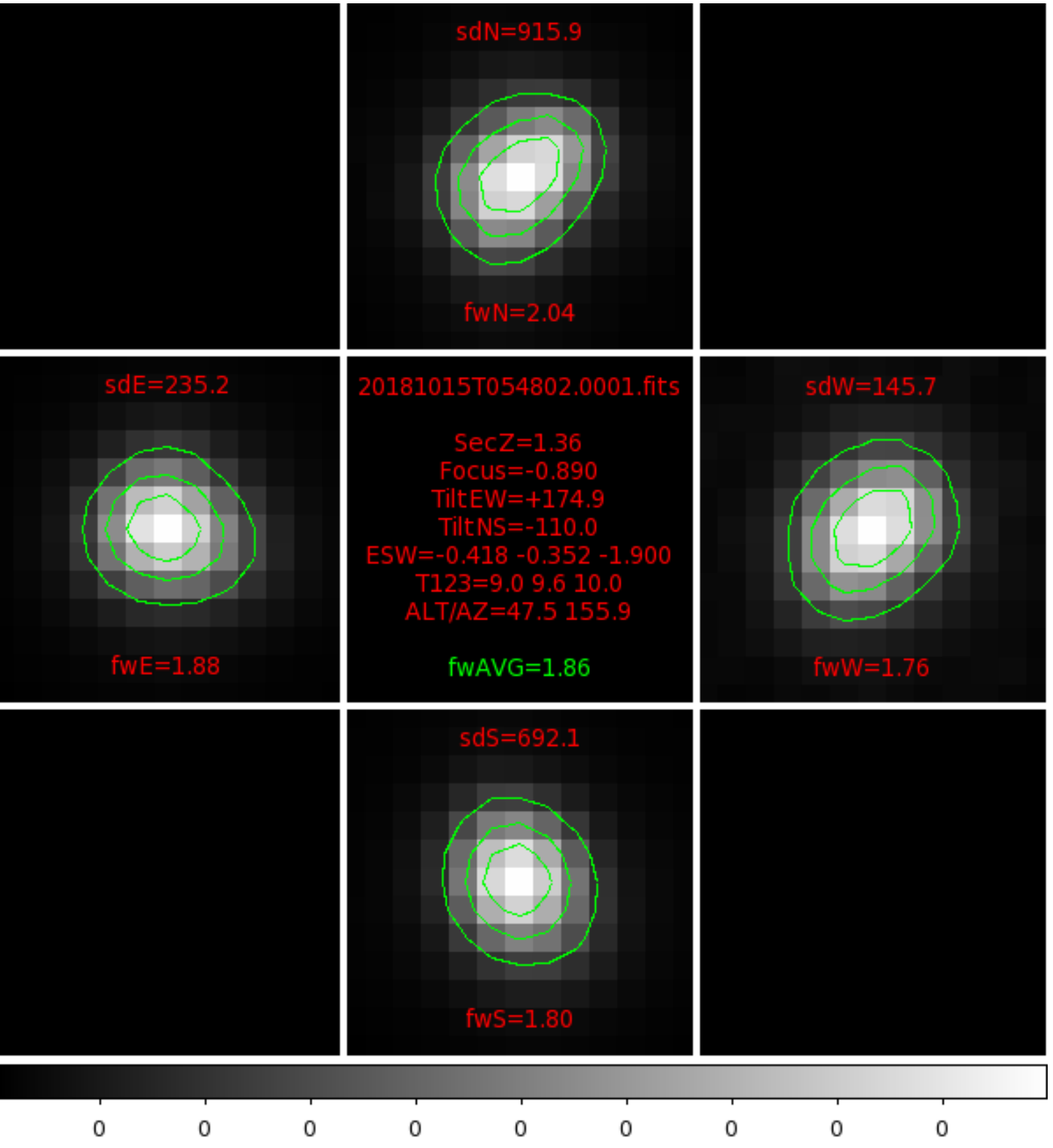
sdN=915.9
fwN=2.04
sdE=235.2
fwE=1.88
20181015T054802.0001.fits
SecZ=1.36
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.6 10.0
ALT/AZ=47.5 155.9
fwAVG=1.86
sdW=145.7
fwW=1.76
sdS=692.1
fwS=1.80
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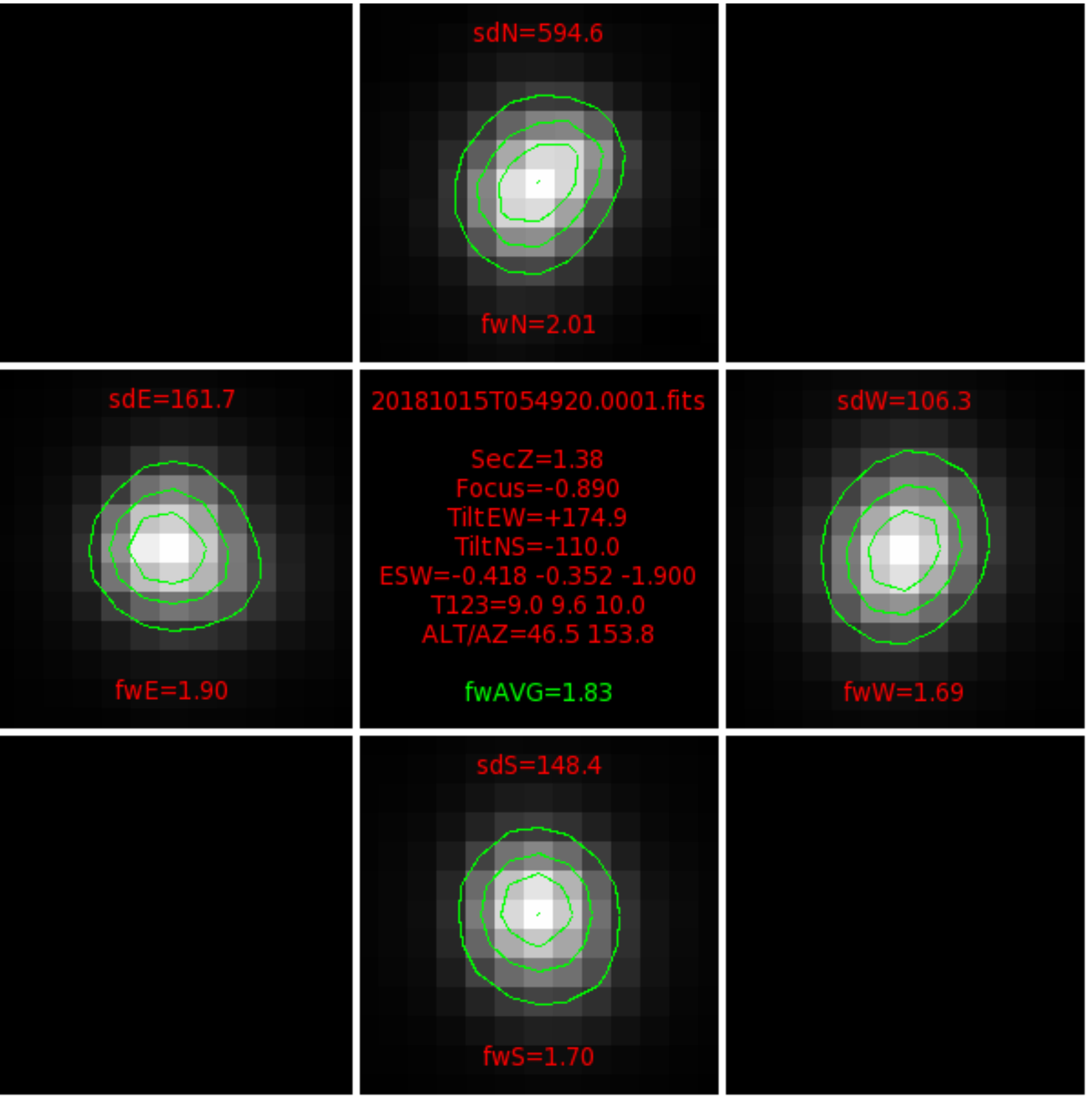
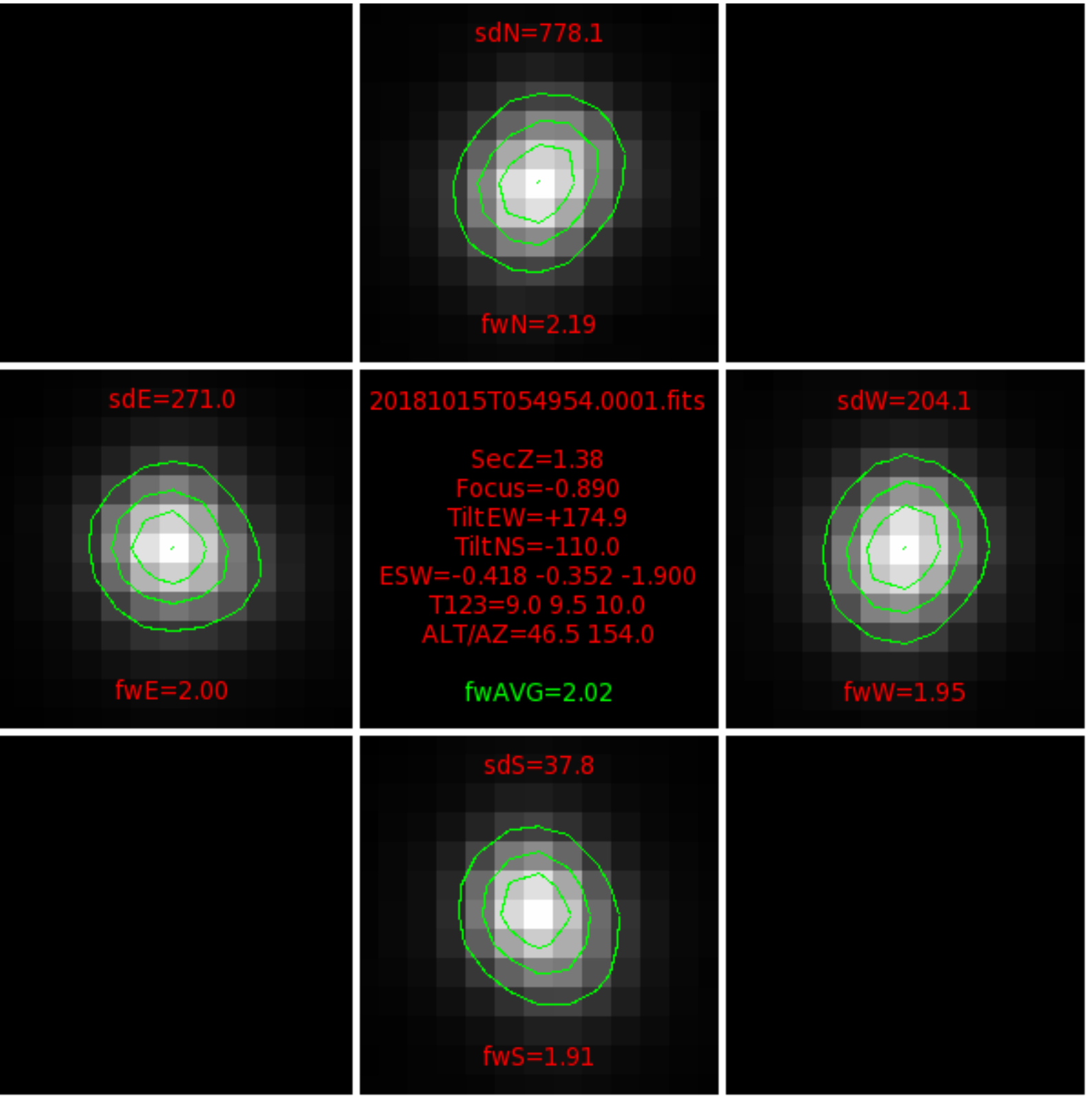

sdN=594.6
fwN=2.01
sdE=161.7
fwE=1.90
20181015T054920.0001.fits
SecZ=1.38
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.6 10.0
ALT/AZ=46.5 153.8
fwAVG=1.83
sdW=106.3
fwW=1.69
sdS=148.4
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=778.1
fwN=2.19
sdE=271.0
fwE=2.00
20181015T054954.0001.fits
SecZ=1.38
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.5 10.0
ALT/AZ=46.5 154.0
fwAVG=2.02
sdW=204.1
fwW=1.95
sdS=37.8
fwS=1.91
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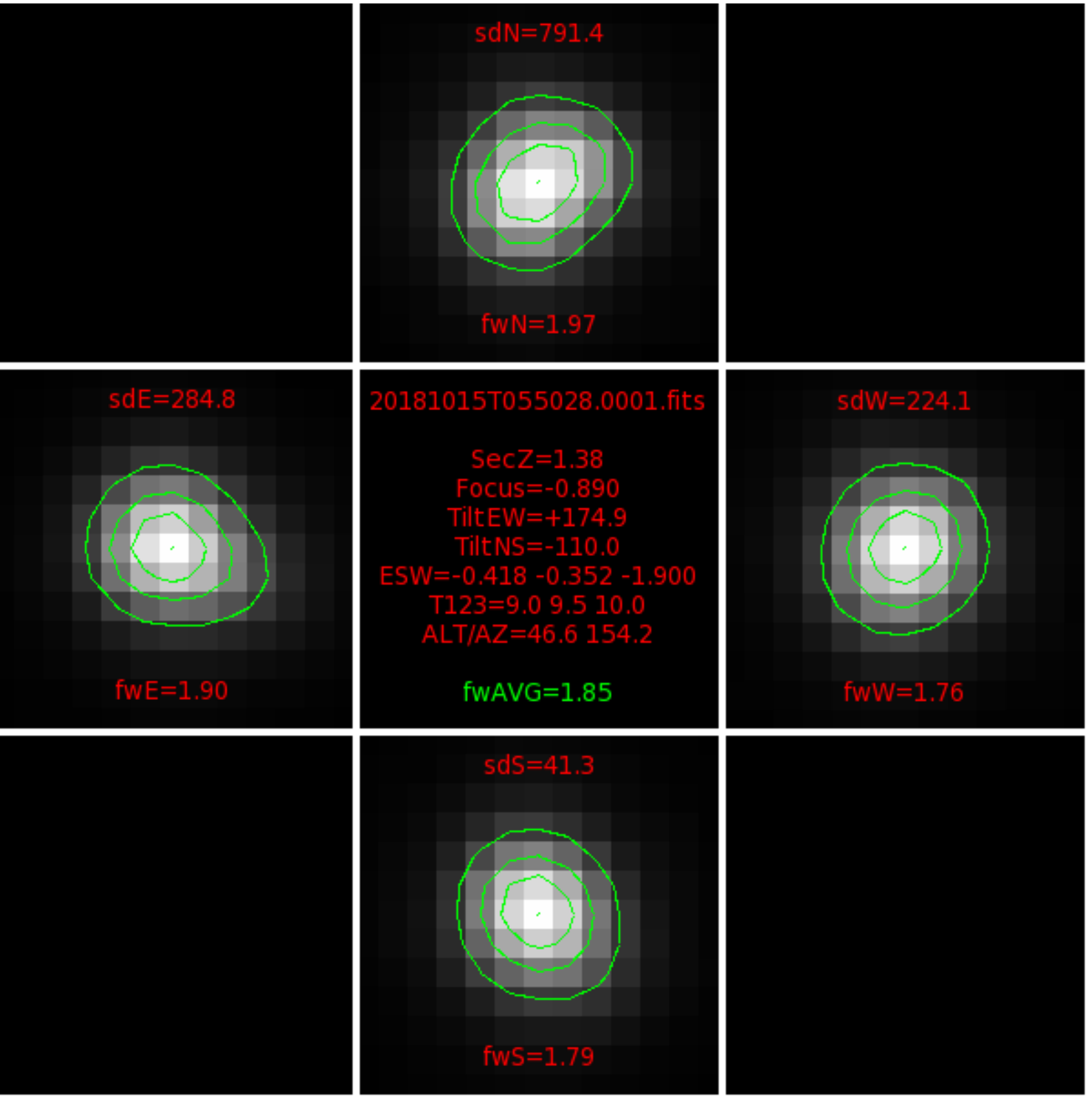
sdN=791.4
fwN=1.97
sdE=284.8
fwE=1.90
20181015T055028.0001.fits
SecZ=1.38
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.5 10.0
ALT/AZ=46.6 154.2
fwAVG=1.85
sdW=224.1
fwW=1.76
sdS=41.3
fwS=1.79
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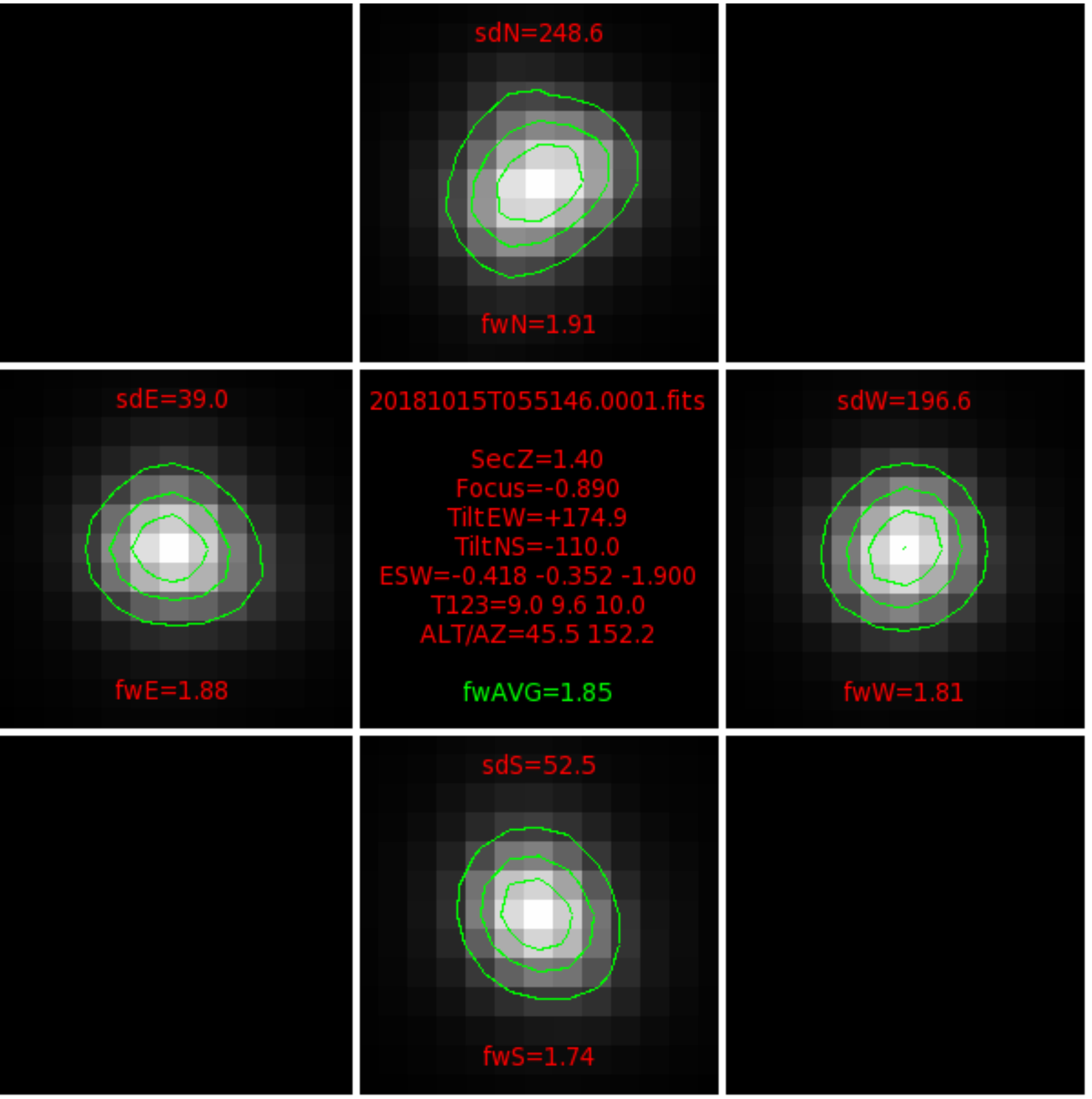
sdN=248.6
fwN=1.91
sdE=39.0
fwE=1.88
20181015T055146.0001.fits
SecZ=1.40
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.6 10.0
ALT/AZ=45.5 152.2
fwAVG=1.85
sdW=196.6
fwW=1.81
sdS=52.5
fwS=1.74
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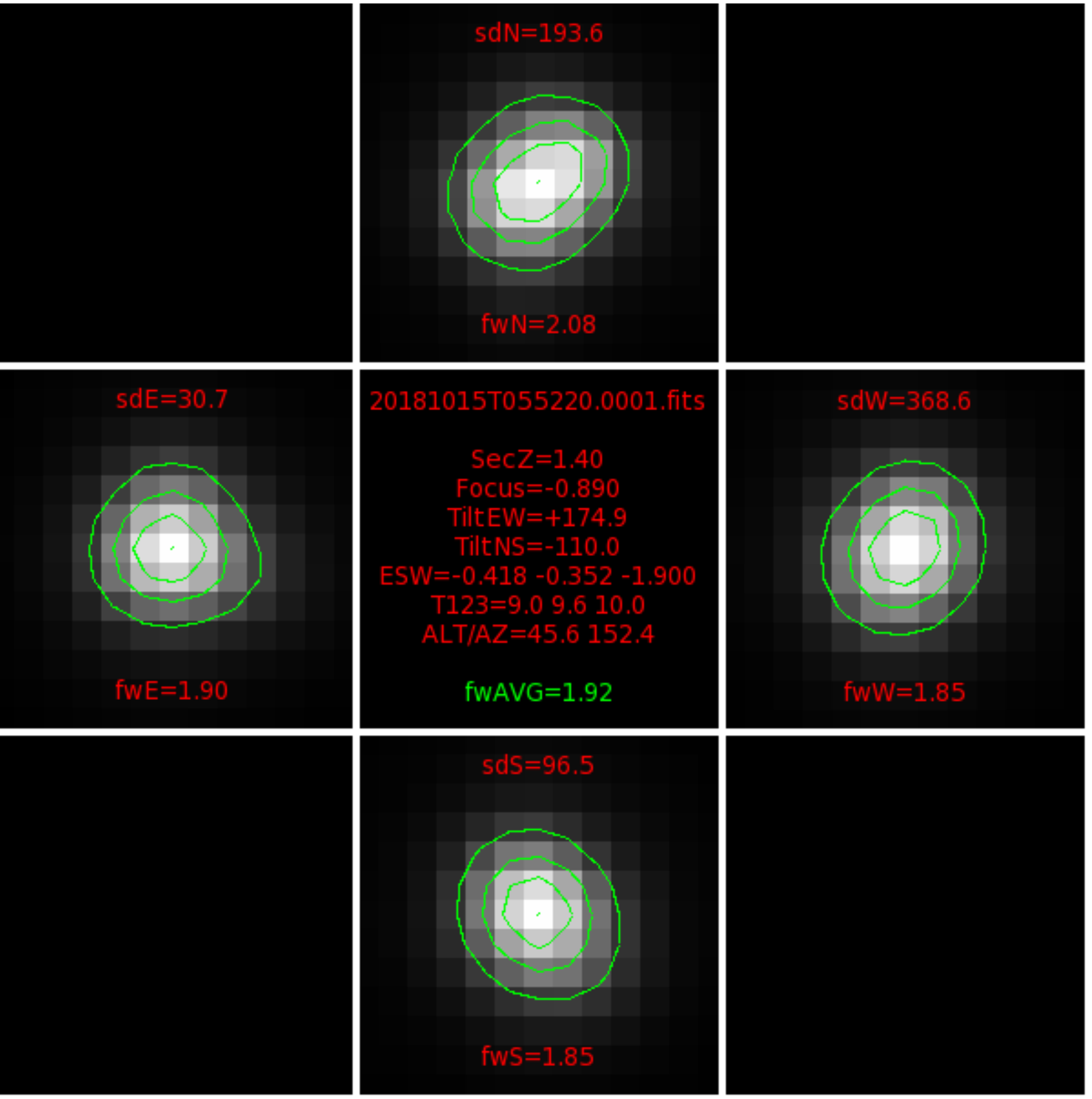
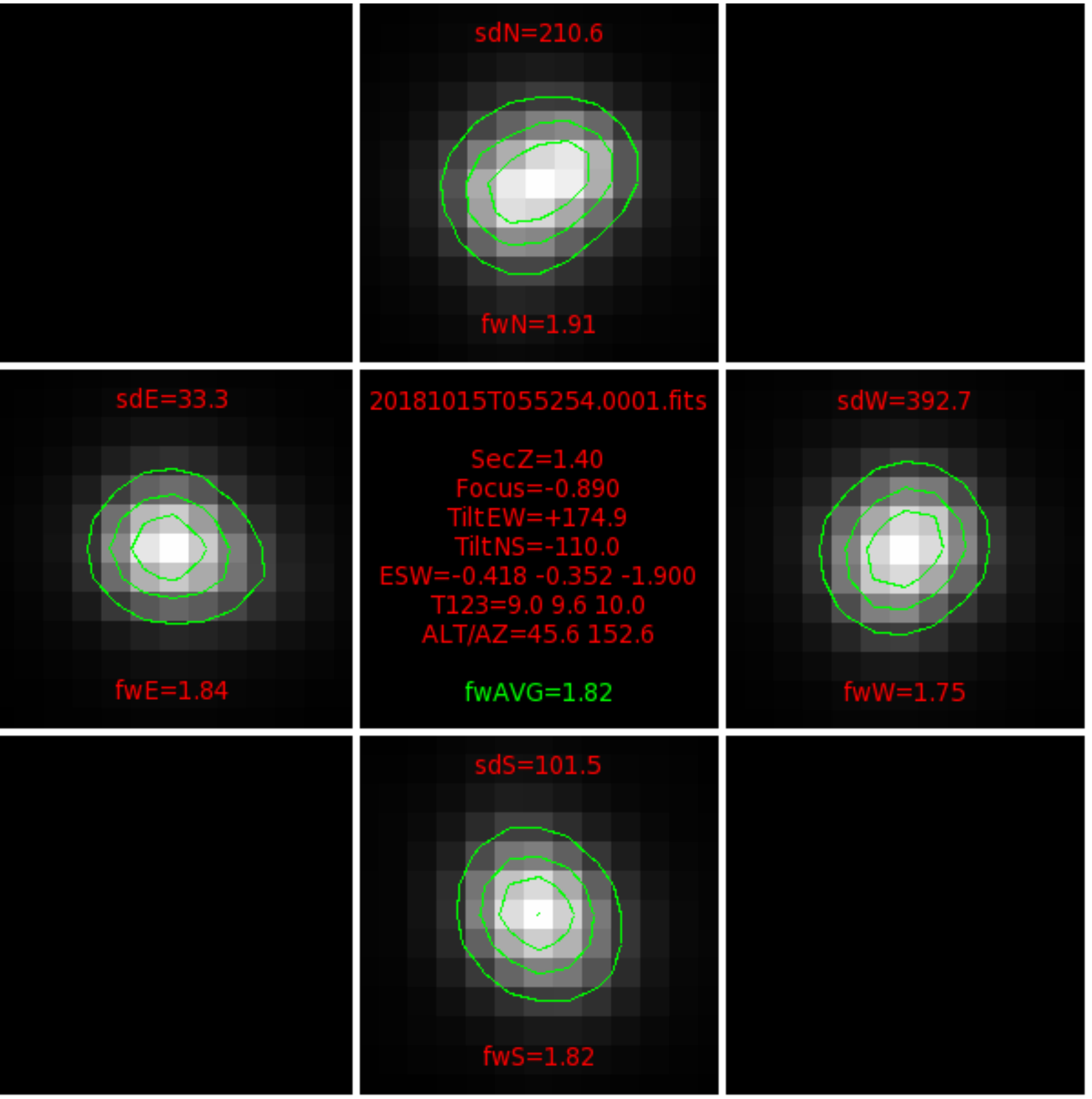

sdN=193.6
fwN=2.08
sdE=30.7
fwE=1.90
20181015T055220.0001.fits
SecZ=1.40
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.6 10.0
ALT/AZ=45.6 152.4
fwAVG=1.92
sdW=368.6
fwW=1.85
sdS=96.5
fwS=1.85
0 0 0 0 0 0 0 0 0


sdN=210.6
fwN=1.91
sdE=33.3
fwE=1.84
20181015T055254.0001.fits
SecZ=1.40
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.6 10.0
ALT/AZ=45.6 152.6
fwAVG=1.82
sdW=392.7
fwW=1.75
sdS=101.5
fwS=1.82
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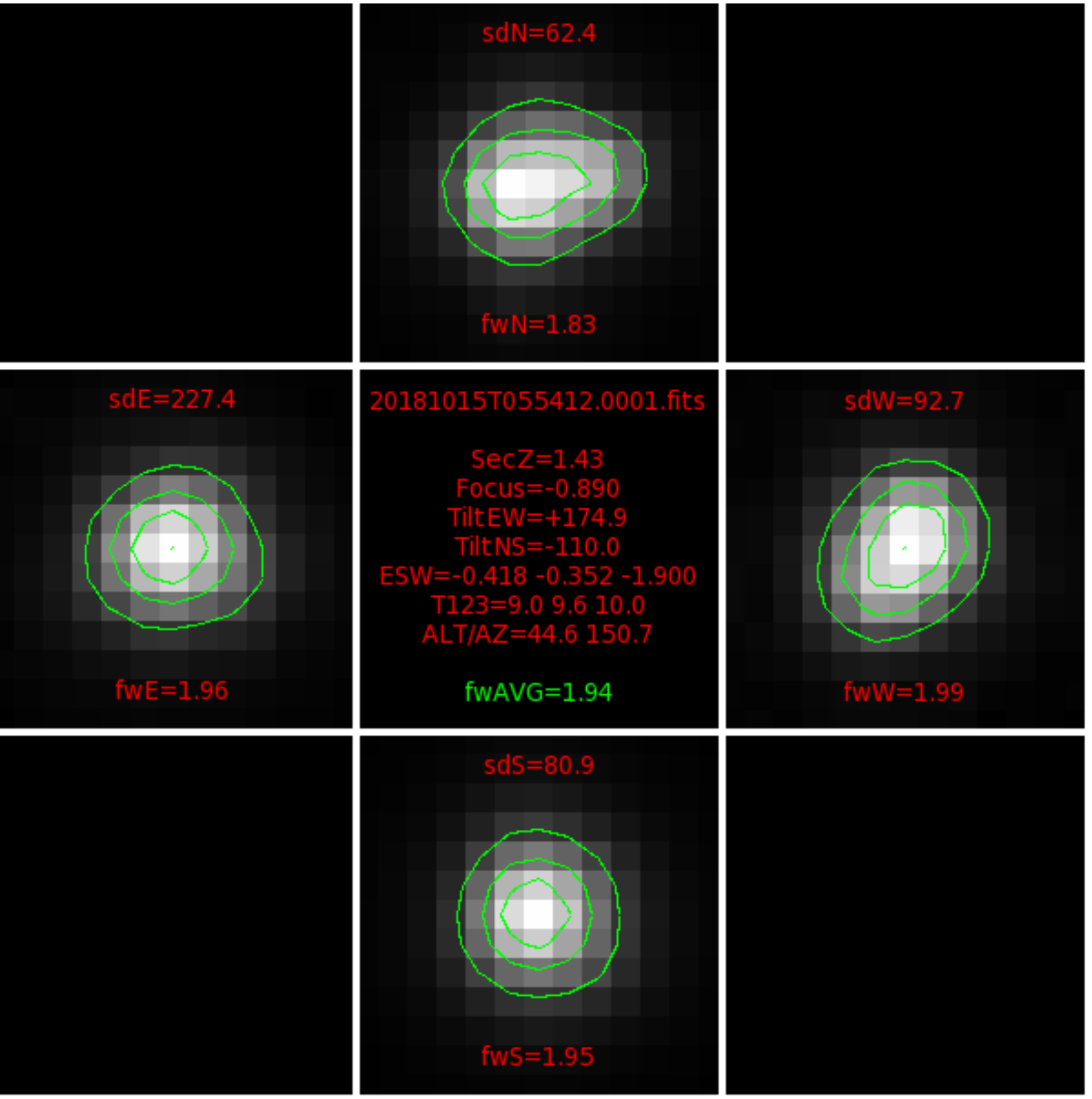
sdN=62.4
fwN=1.83
sdE=227.4
fwE=1.96
20181015T055412.0001.fits
SecZ=1.43
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.6 10.0
ALT/AZ=44.6 150.7
fwAVG=1.94
sdW=92.7
fwW=1.99
sdS=80.9
fwS=1.95
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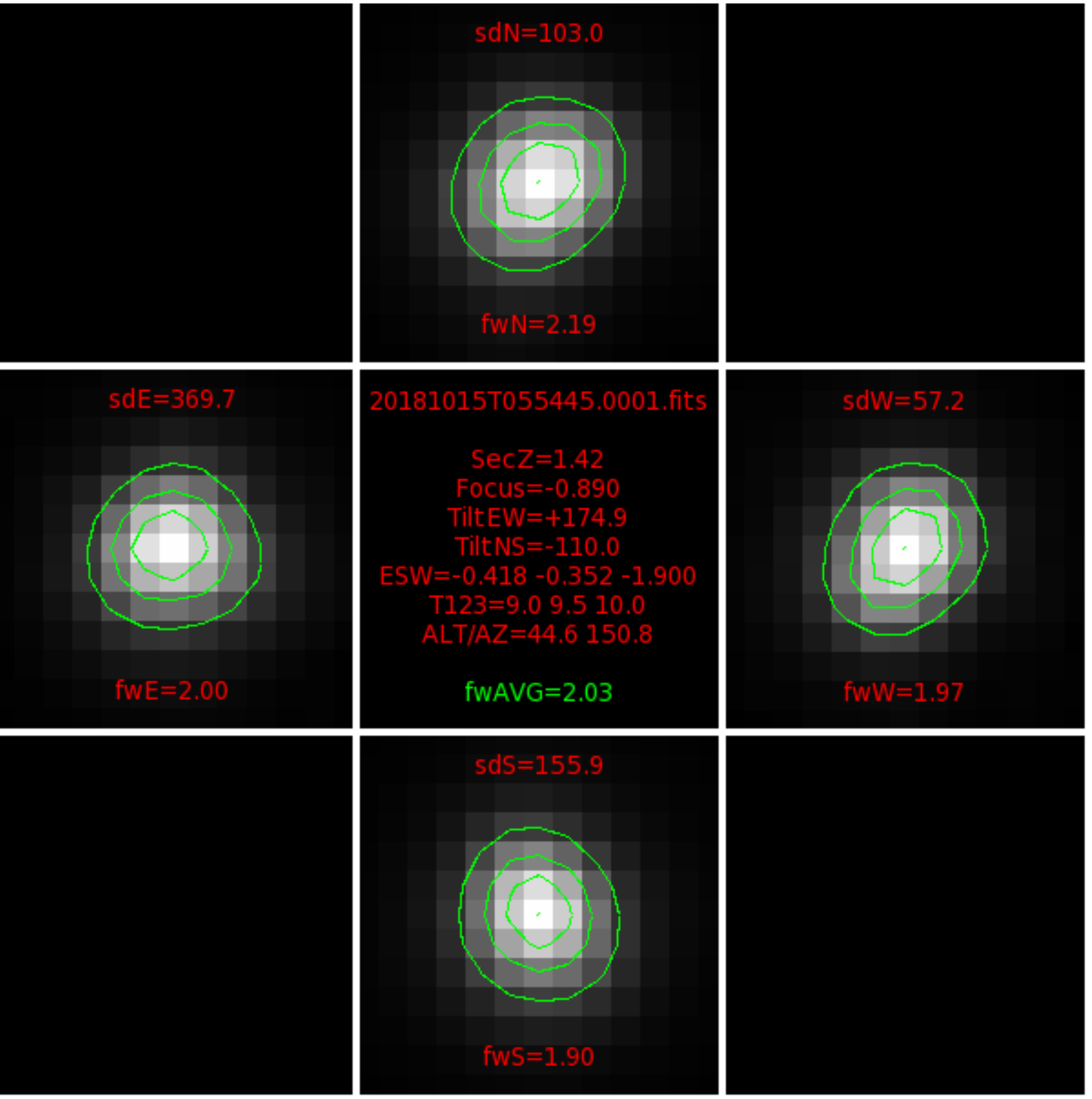
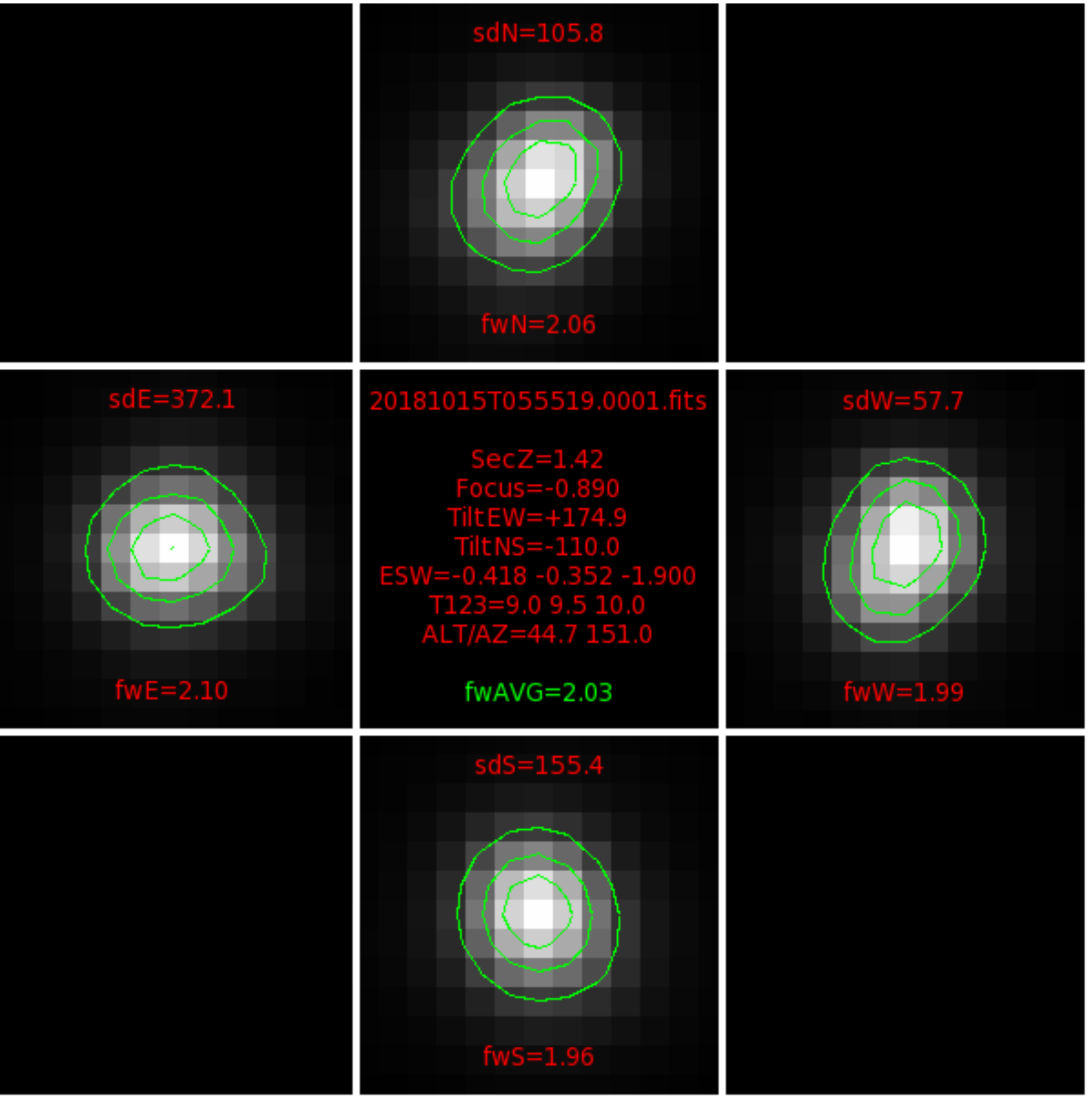

sdN=103.0
fwN=2.19
sdE=369.7
fwE=2.00
20181015T055445.0001.fits
SecZ=1.42
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.5 10.0
ALT/AZ=44.6 150.8
fwAVG=2.03
sdW=57.2
fwW=1.97
sdS=155.9
fwS=1.90
0 0 0 0 0 0 0 0 0


sdN=105.8
fwN=2.06
sdE=372.1
fwE=2.10
20181015T055519.0001.fits
SecZ=1.42
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.5 10.0
ALT/AZ=44.7 151.0
fwAVG=2.03
sdW=57.7
fwW=1.99
sdS=155.4
fwS=1.96
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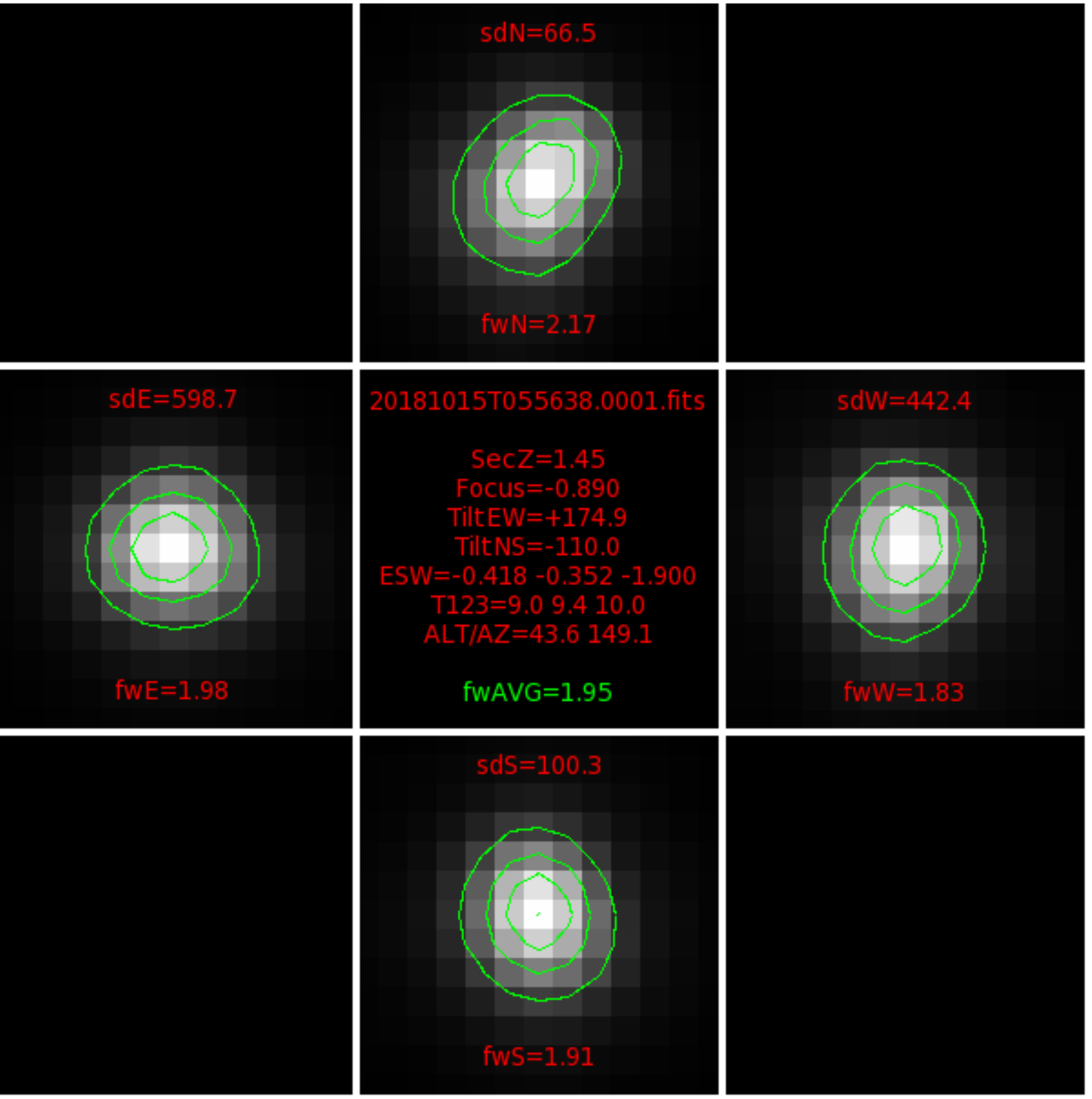
sdN=66.5
fwN=2.17
sdE=598.7
fwE=1.98
20181015T055638.0001.fits
SecZ=1.45
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.4 10.0
ALT/AZ=43.6 149.1
fwAVG=1.95
sdW=442.4
fwW=1.83
sdS=100.3
fwS=1.91
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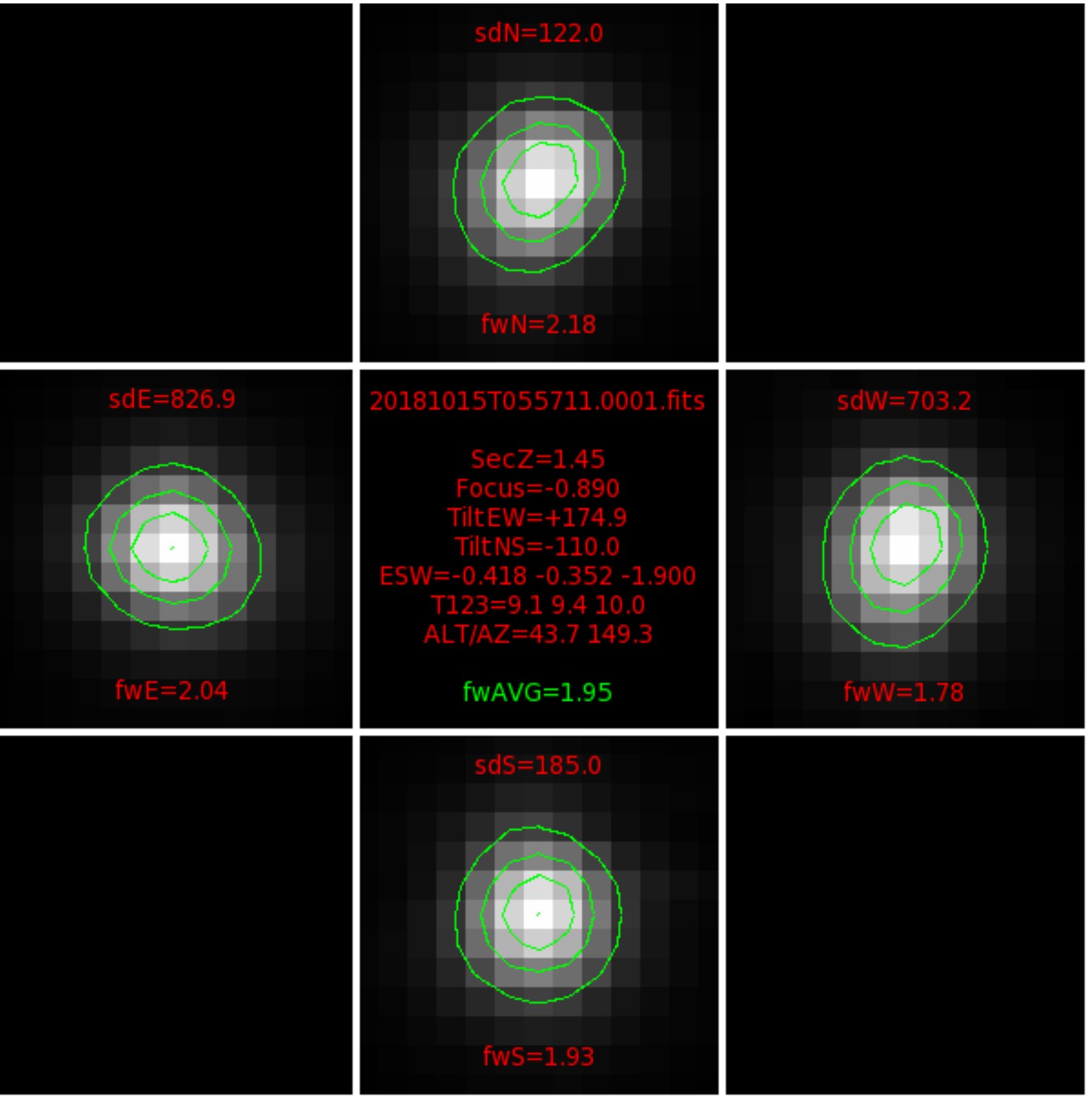
sdN=122.0
fwN=2.18
sdE=826.9
fwE=2.04
20181015T055711.0001.fits
SecZ=1.45
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.4 10.0
ALT/AZ=43.7 149.3
fwAVG=1.95
sdW=703.2
fwW=1.78
sdS=185.0
fwS=1.93
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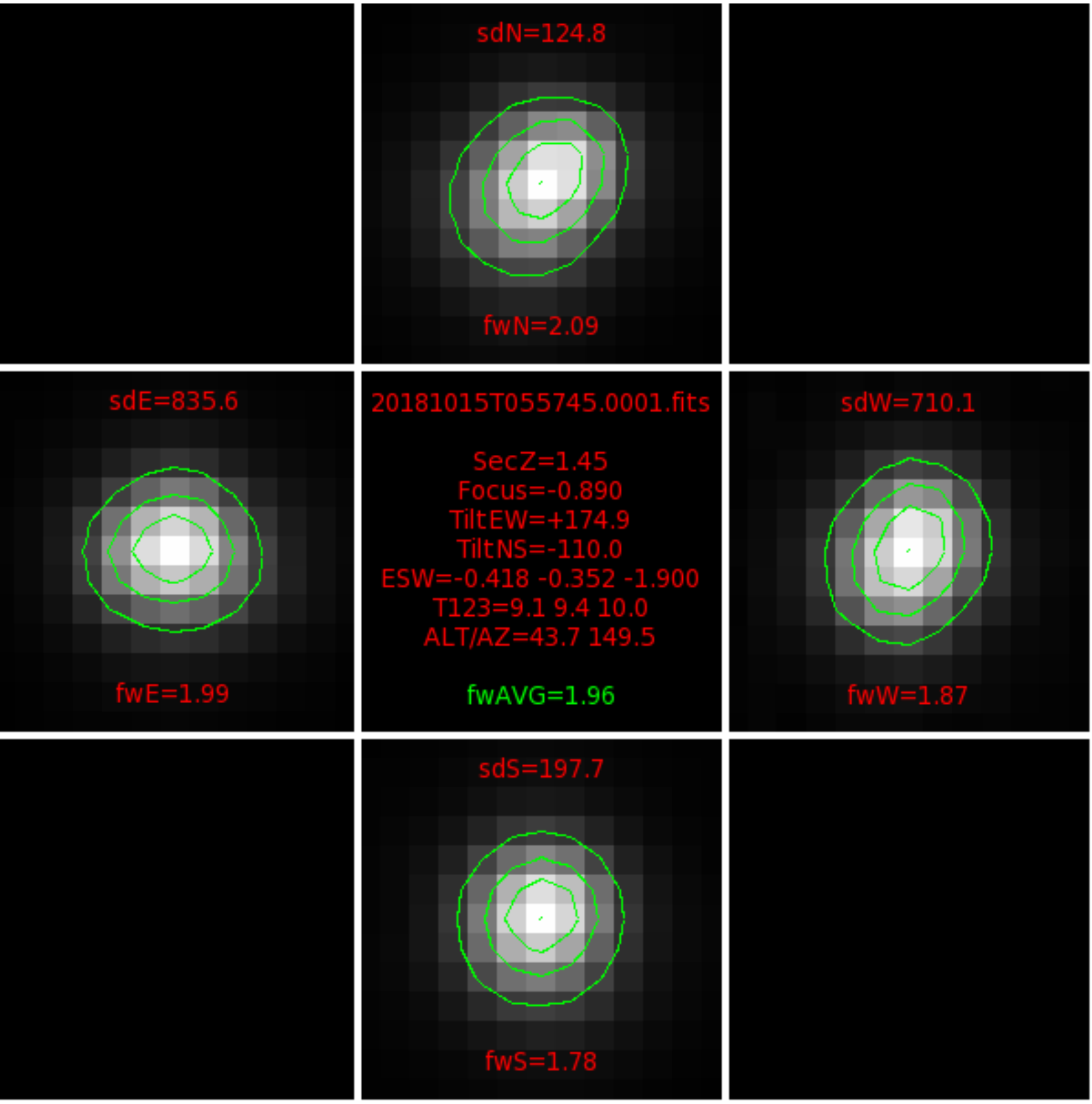
sdN=124.8
fwN=2.09
sdE=835.6
fwE=1.99
20181015T055745.0001.fits
SecZ=1.45
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.4 10.0
ALT/AZ=43.7 149.5
fwAVG=1.96
sdW=710.1
fwW=1.87
sdS=197.7
fwS=1.78
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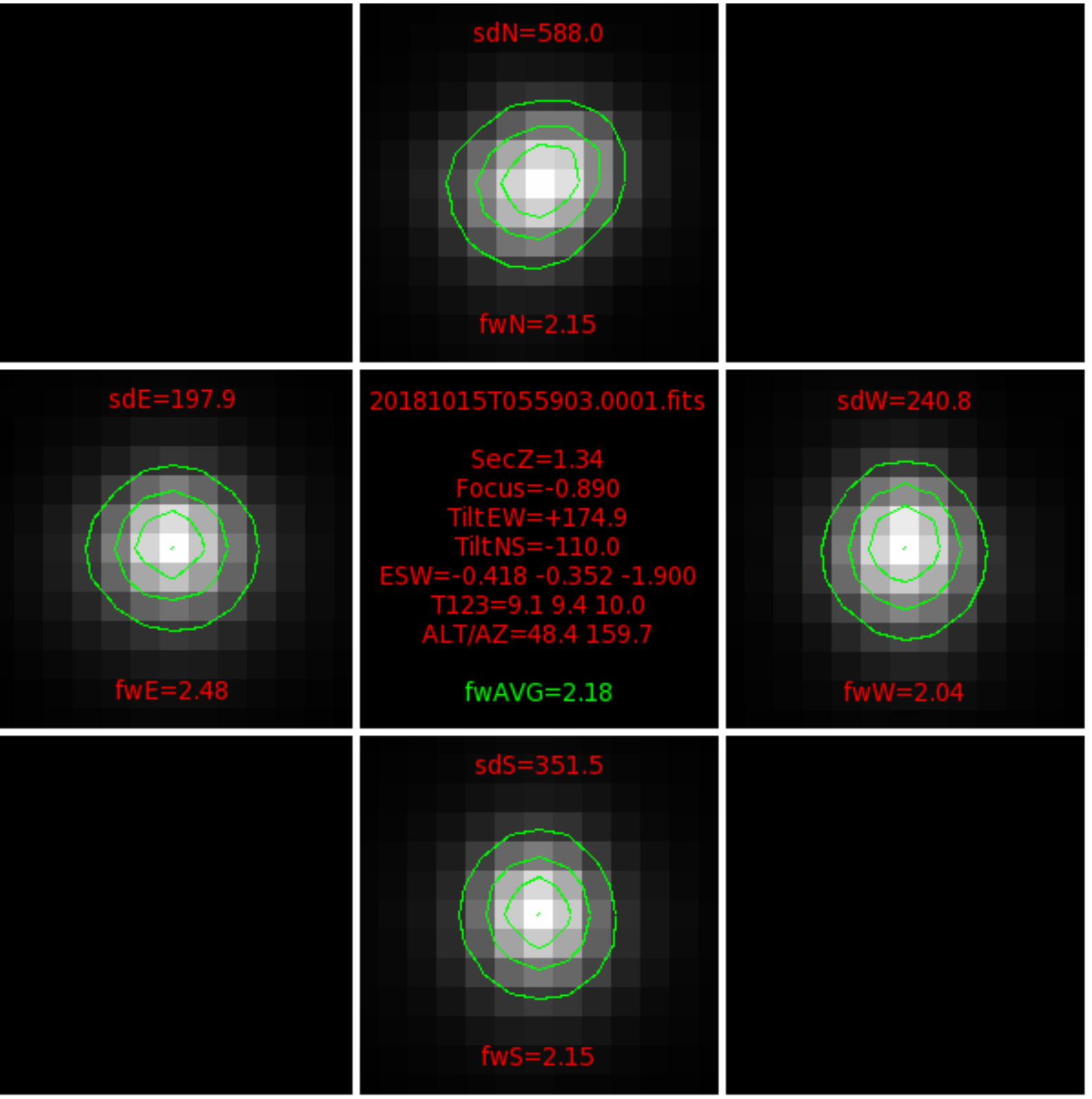
sdN=588.0
fwN=2.15
sdE=197.9
fwE=2.48
20181015T055903.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.4 10.0
ALT/AZ=48.4 159.7
fwAVG=2.18
sdW=240.8
fwW=2.04
sdS=351.5
fwS=2.15
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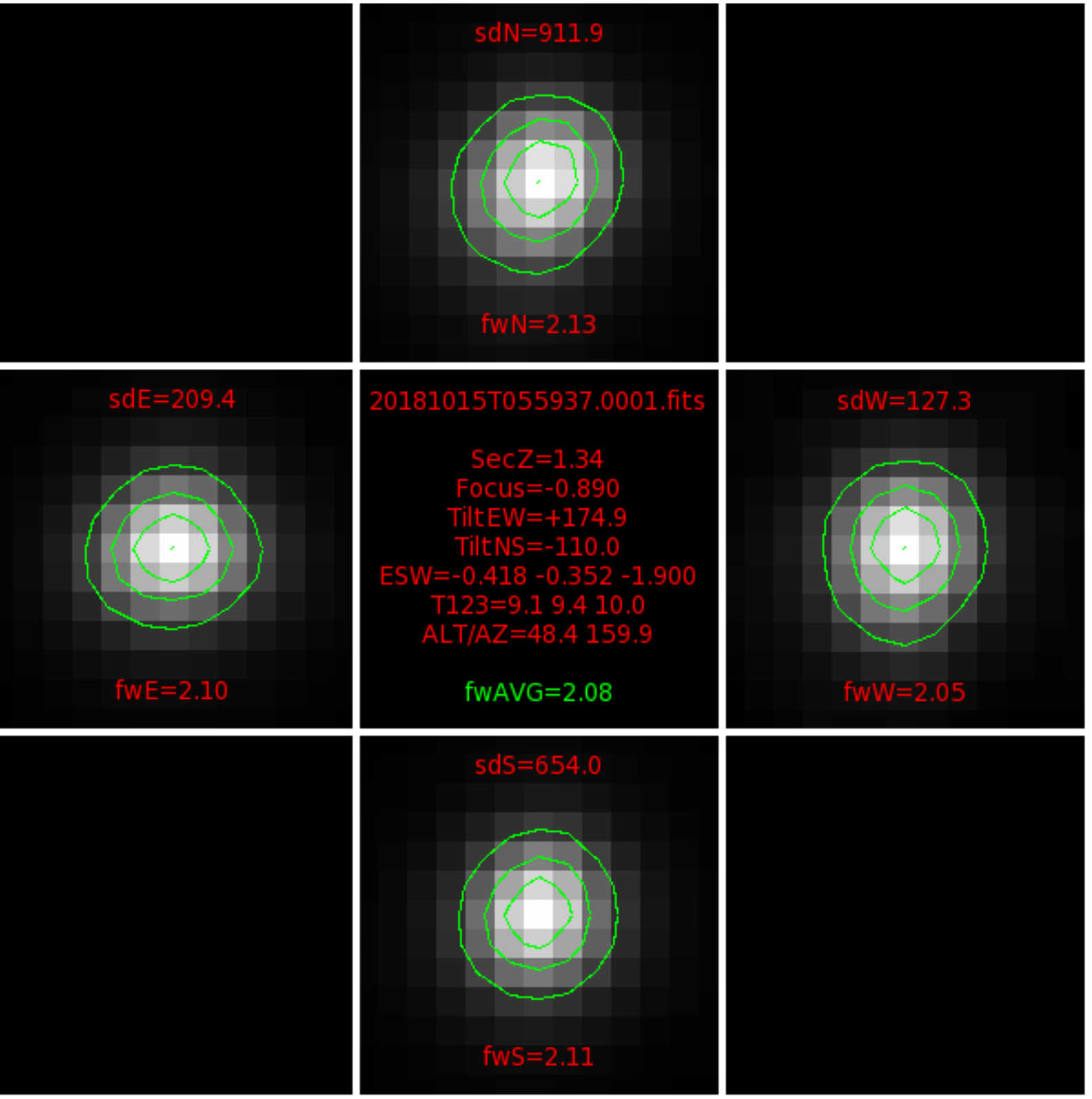
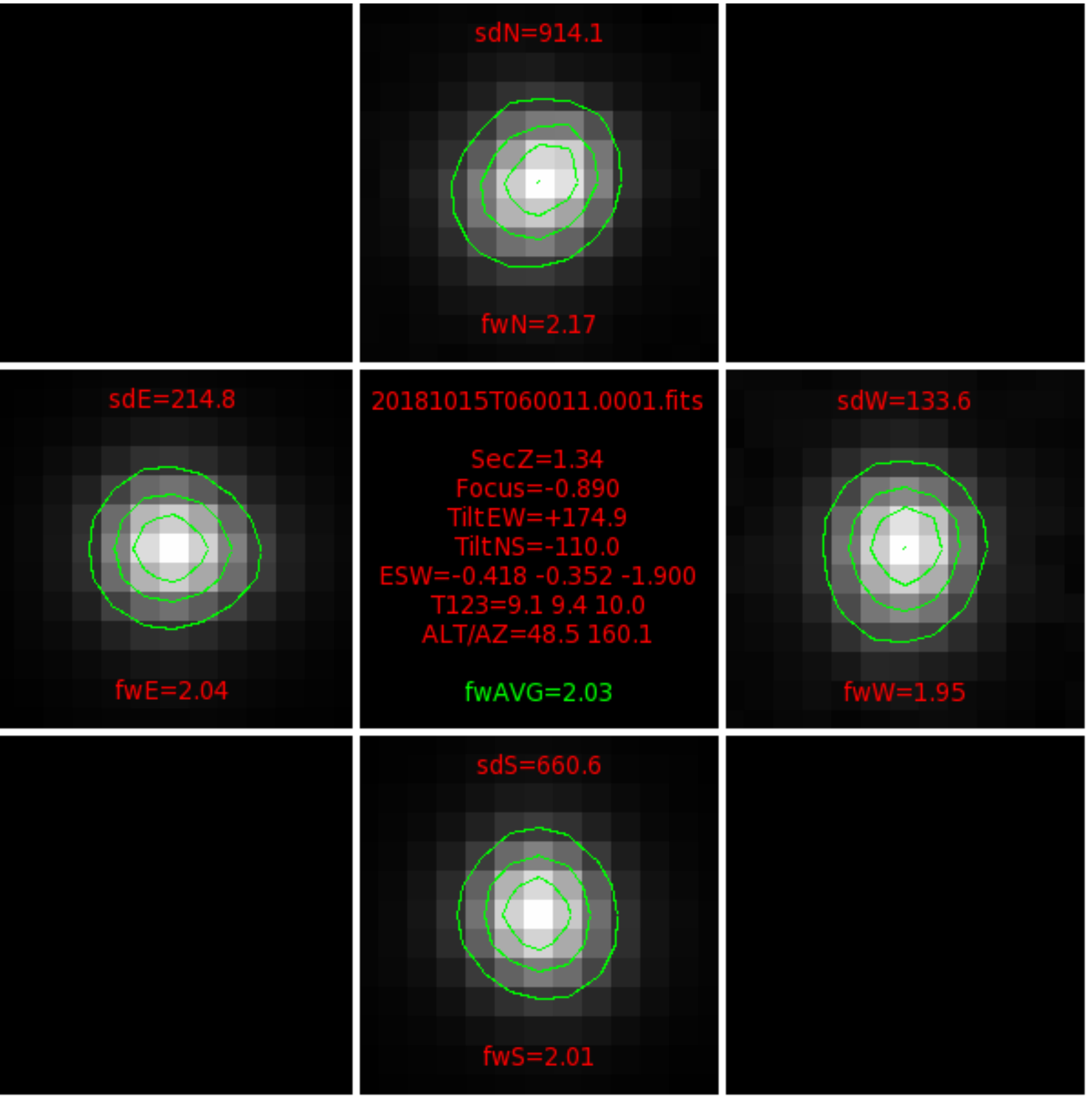
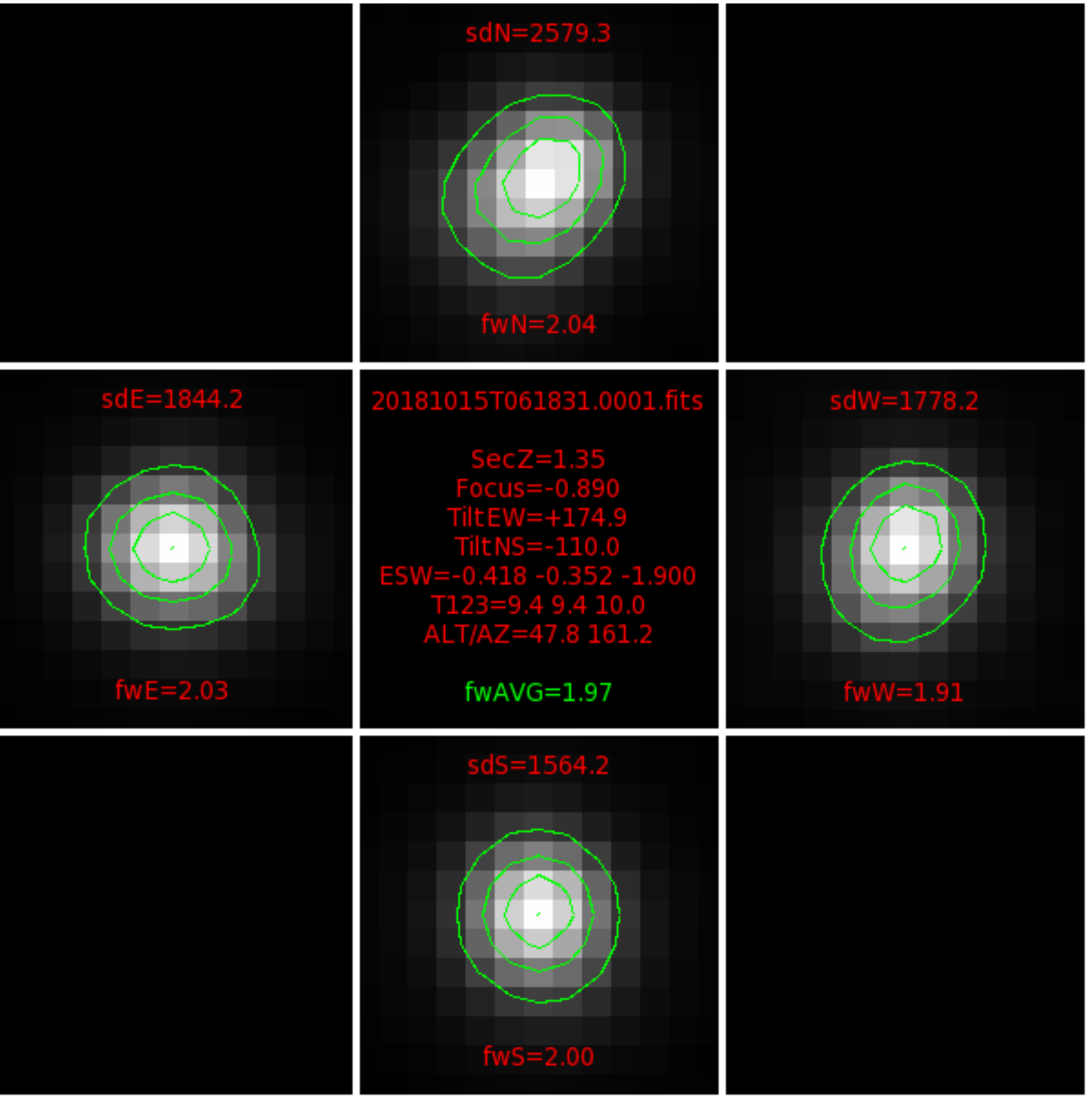
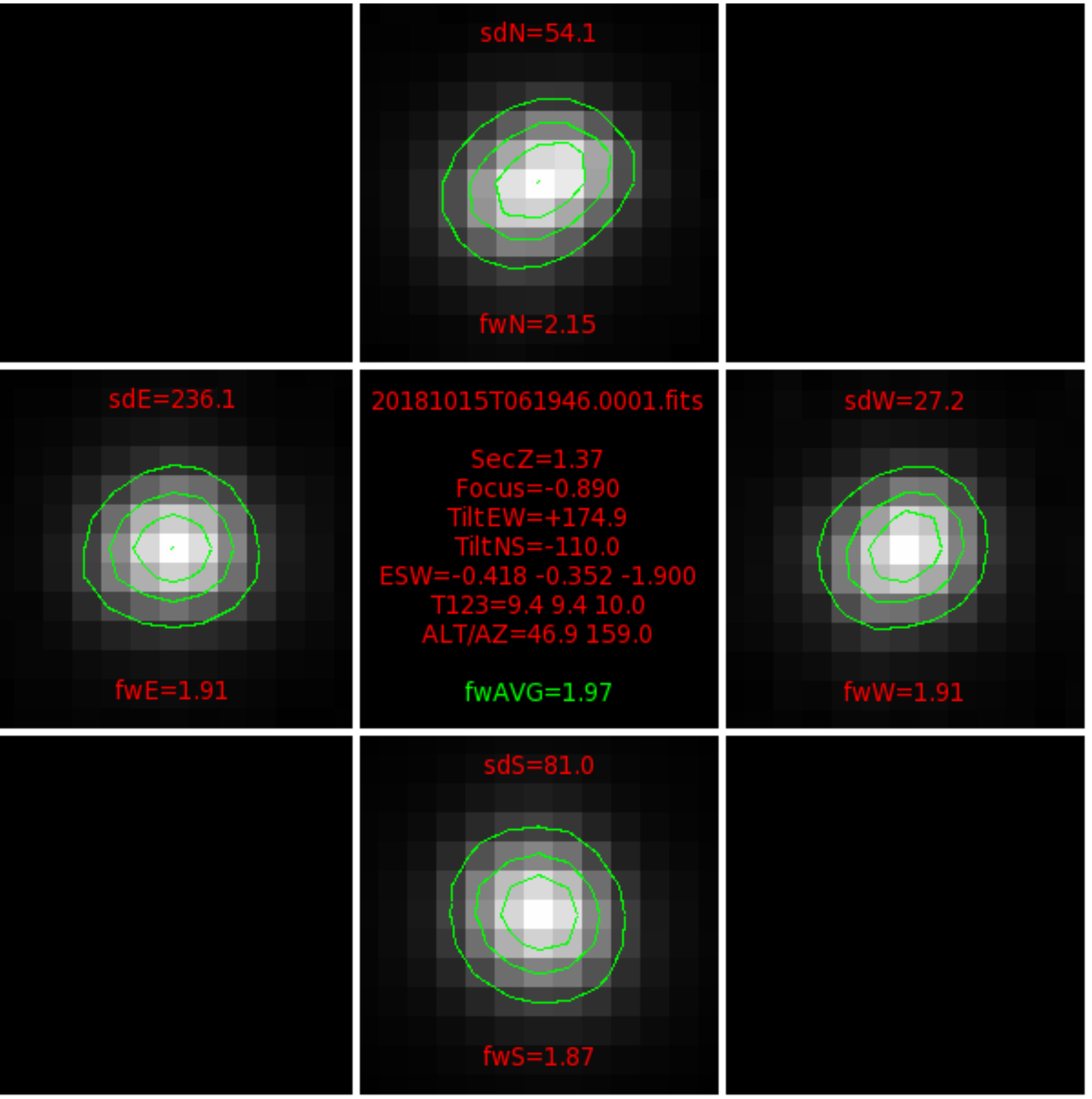
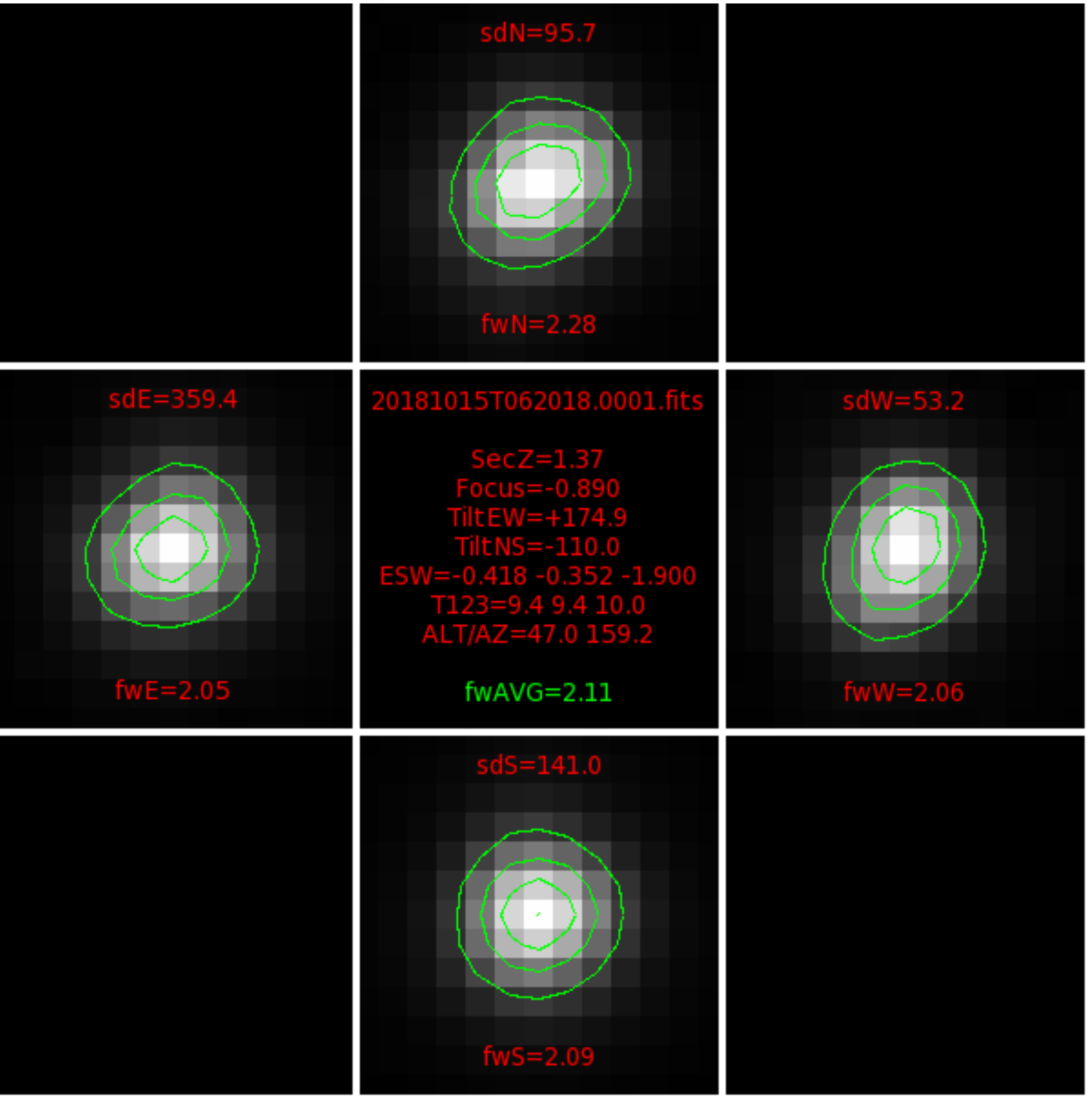
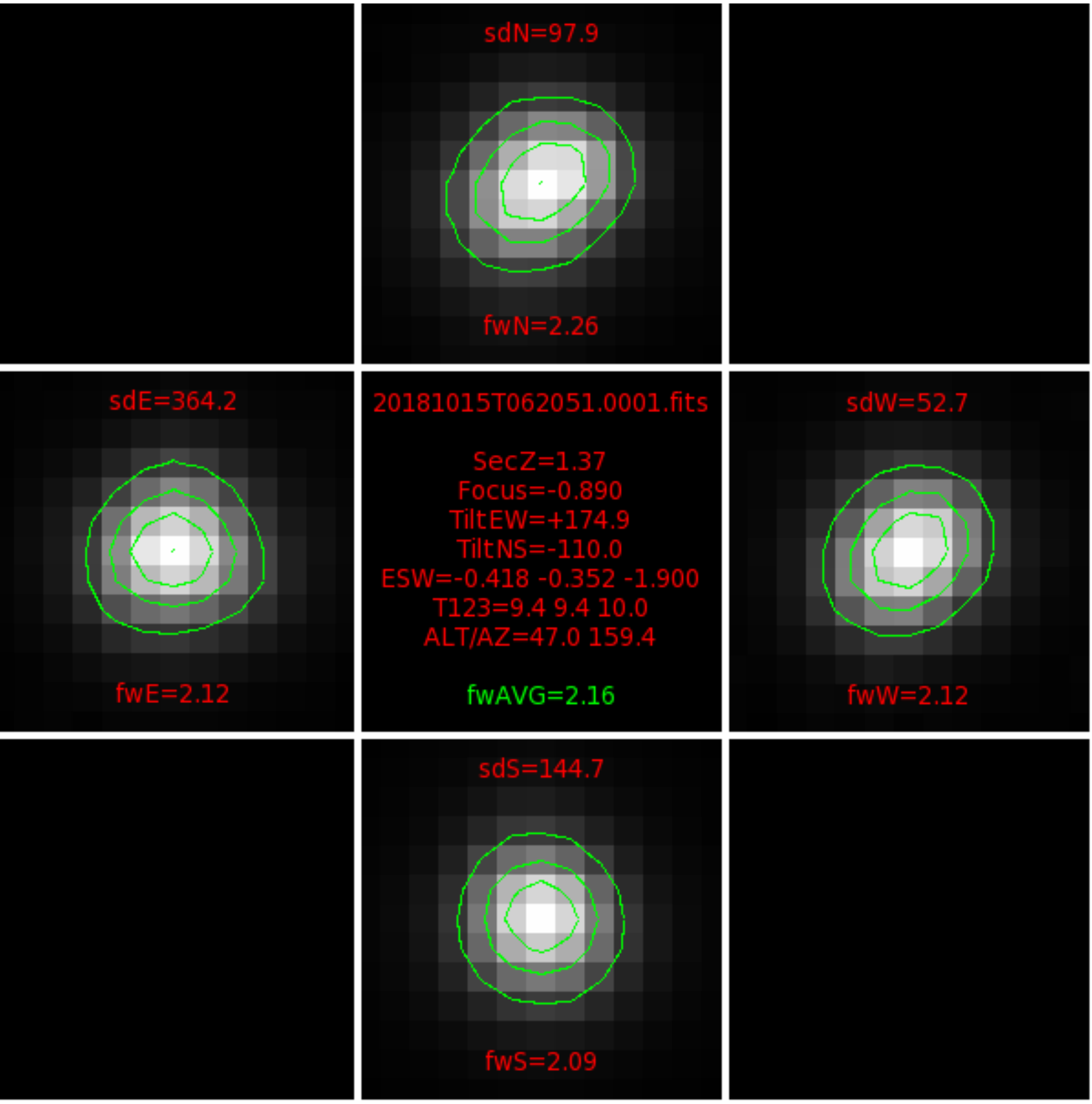

sdN=911.9
fwN=2.13
sdE=209.4
fwE=2.10
20181015T055937.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.4 10.0
ALT/AZ=48.4 159.9
fwAVG=2.08
sdW=127.3
fwW=2.05
sdS=654.0
fwS=2.11
0 0 0 0 0 0 0 0 0

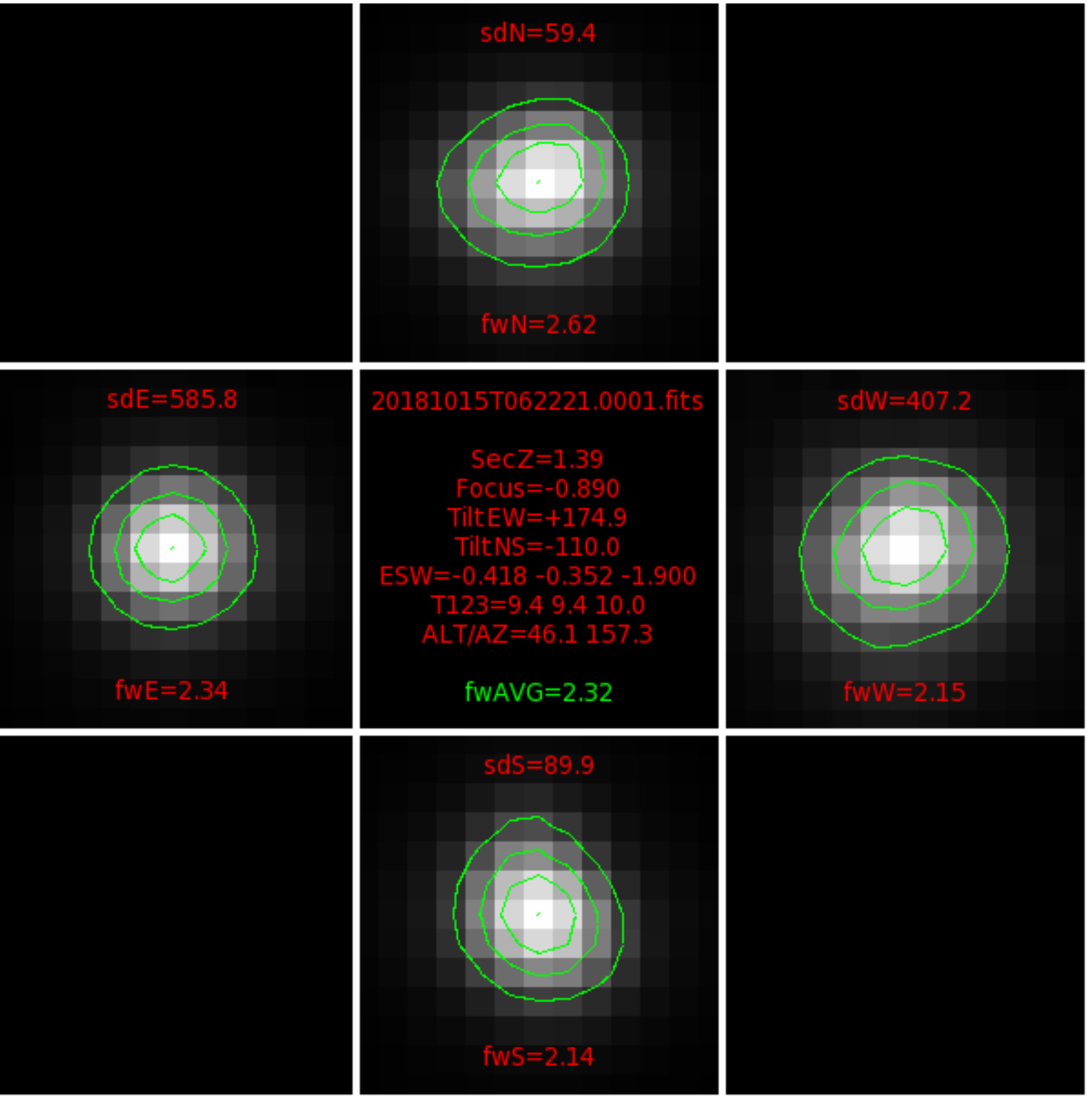

sdN=914.1
fwN=2.17
sdE=214.8
fwE=2.04
20181015T060011.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.4 10.0
ALT/AZ=48.5 160.1
fwAVG=2.03
sdW=133.6
fwW=1.95
sdS=660.6
fwS=2.01
0 0 0 0 0 0 0 0 0


sdN=2579.3
fwN=2.04
sdE=1844.2
fwE=2.03
20181015T061831.0001.fits
SecZ=1.35
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.4 10.0
ALT/AZ=47.8 161.2
fwAVG=1.97
sdW=1778.2
fwW=1.91
sdS=1564.2
fwS=2.00
0 0 0 0 0 0 0 0 0


sdN=54.1
fwN=2.15
sdE=236.1
fwE=1.91
20181015T061946.0001.fits
SecZ=1.37
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.4 10.0
ALT/AZ=46.9 159.0
fwAVG=1.97
sdW=27.2
fwW=1.91
sdS=81.0
fwS=1.87
0 0 0 0 0 0 0 0 0


sdN=95.7
fwN=2.28
sdE=359.4
fwE=2.05
20181015T062018.0001.fits
SecZ=1.37
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.4 10.0
ALT/AZ=47.0 159.2
fwAVG=2.11
sdW=53.2
fwW=2.06
sdS=141.0
fwS=2.09
0 0 0 0 0 0 0 0 0


sdN=97.9
fwN=2.26
sdE=364.2
fwE=2.12
20181015T062051.0001.fits
SecZ=1.37
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.4 10.0
ALT/AZ=47.0 159.4
fwAVG=2.16
sdW=52.7
fwW=2.12
sdS=144.7
fwS=2.09
0 0 0 0 0 0 0 0 0


sdN=59.4
fwN=2.62
sdE=585.8
fwE=2.34
20181015T062221.0001.fits
SecZ=1.39
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.4 10.0
ALT/AZ=46.1 157.3
fwAVG=2.32
sdW=407.2
fwW=2.15
sdS=89.9
fwS=2.14
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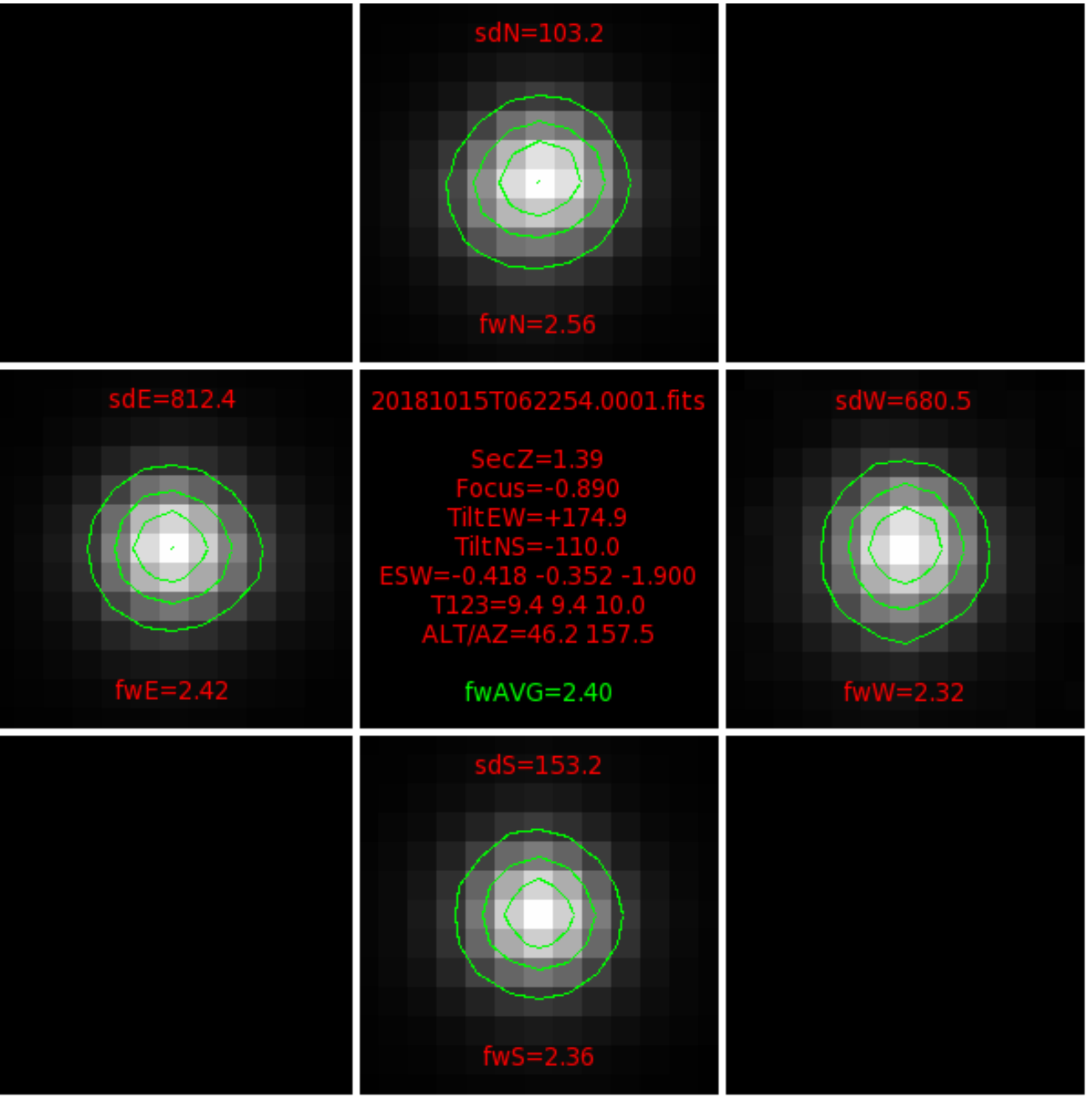
sdN=103.2
fwN=2.56
sdE=812.4
fwE=2.42
20181015T062254.0001.fits
SecZ=1.39
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.4 10.0
ALT/AZ=46.2 157.5
fwAVG=2.40
sdW=680.5
fwW=2.32
sdS=153.2
fwS=2.36
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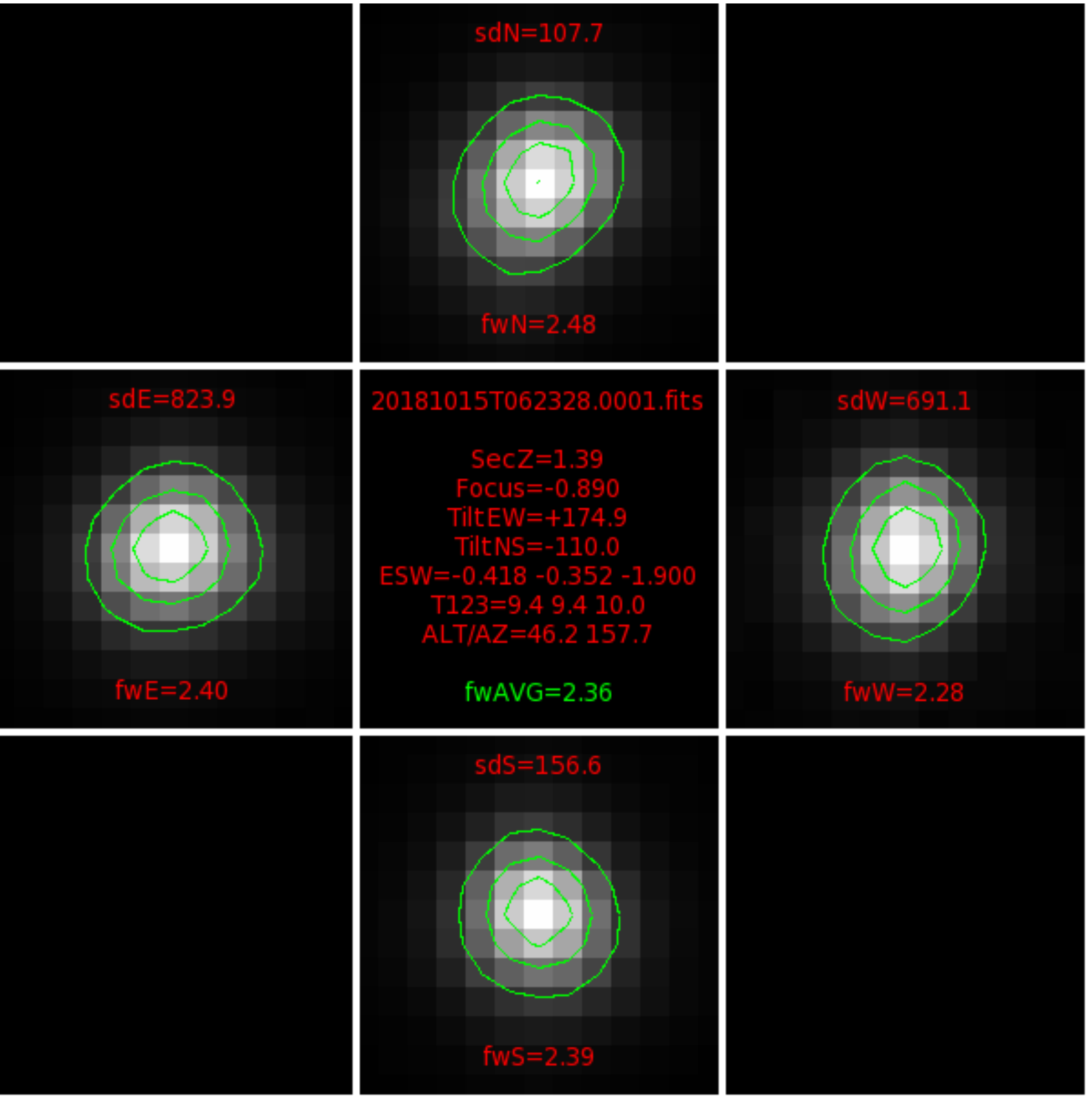
sdN=107.7
fwN=2.48
sdE=823.9
fwE=2.40
20181015T062328.0001.fits
SecZ=1.39
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.4 10.0
ALT/AZ=46.2 157.7
fwAVG=2.36
sdW=691.1
fwW=2.28
sdS=156.6
fwS=2.39
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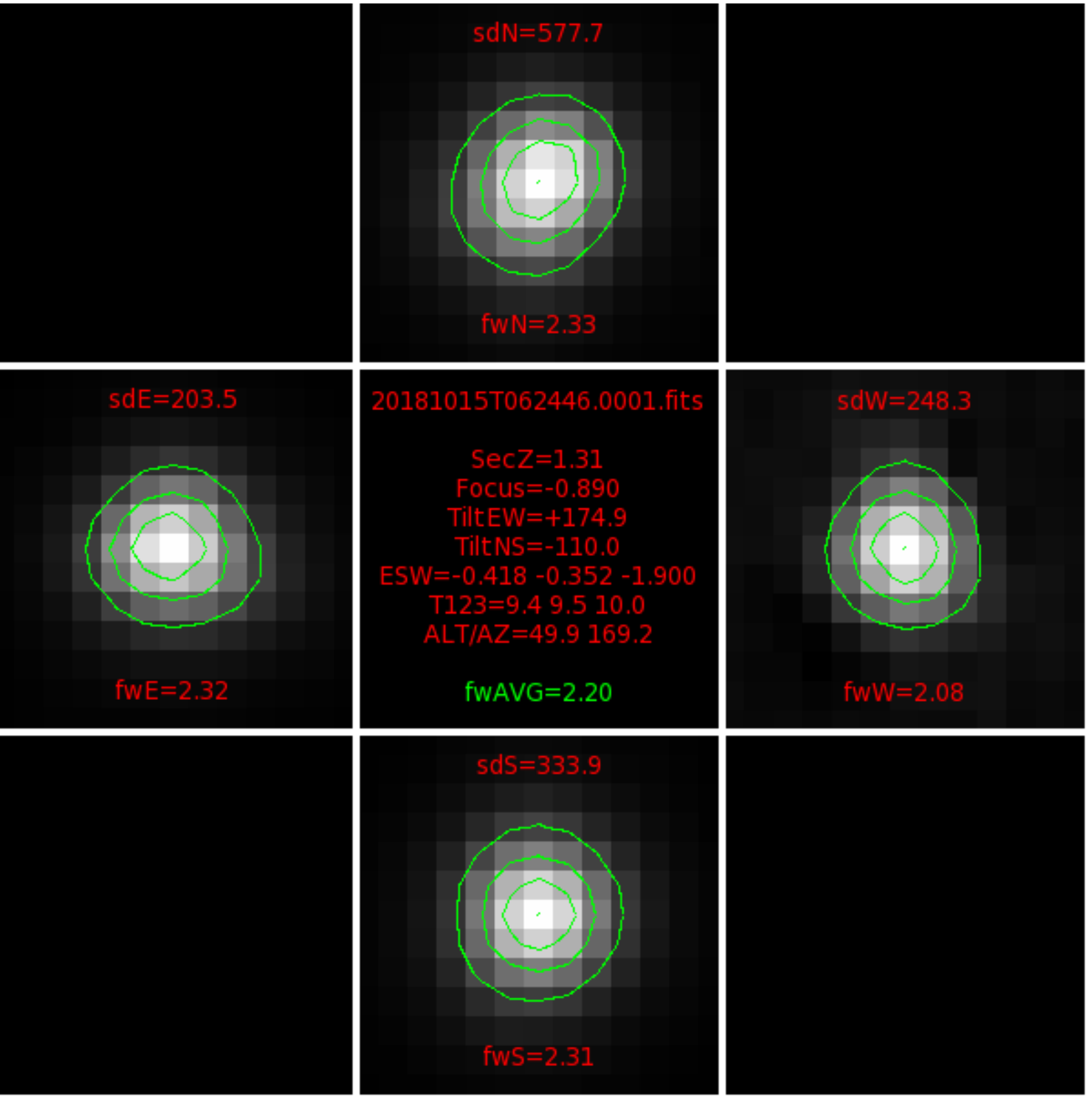
sdN=577.7
fwN=2.33
sdE=203.5
fwE=2.32
20181015T062446.0001.fits
SecZ=1.31
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.5 10.0
ALT/AZ=49.9 169.2
fwAVG=2.20
sdW=248.3
fwW=2.08
sdS=333.9
fwS=2.31
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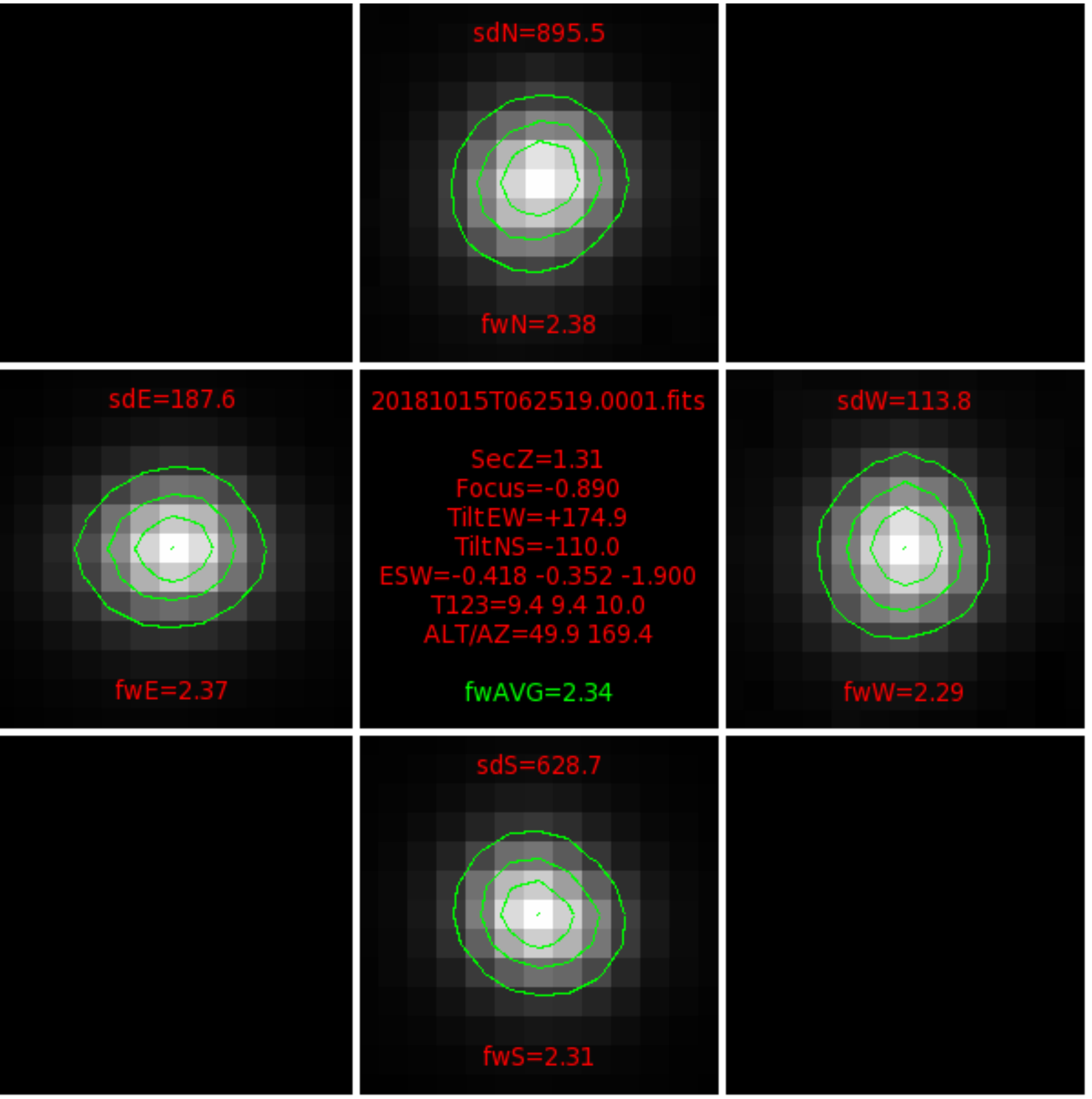
sdN=895.5
fwN=2.38
sdE=187.6
fwE=2.37
20181015T062519.0001.fits
SecZ=1.31
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.4 10.0
ALT/AZ=49.9 169.4
fwAVG=2.34
sdW=113.8
fwW=2.29
sdS=628.7
fwS=2.31
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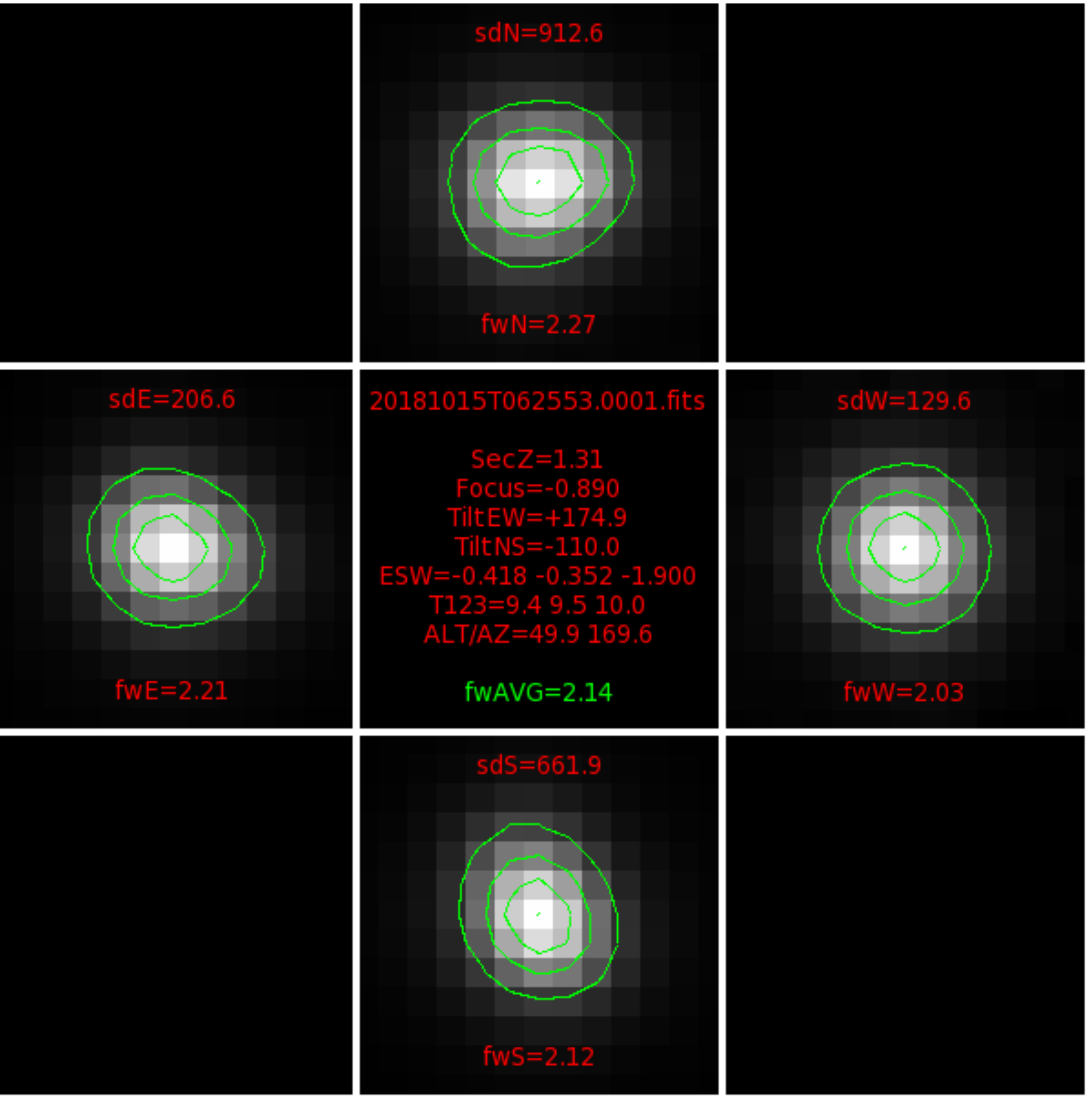
sdN=912.6
fwN=2.27
sdE=206.6
fwE=2.21
20181015T062553.0001.fits
SecZ=1.31
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.5 10.0
ALT/AZ=49.9 169.6
fwAVG=2.14
sdW=129.6
fwW=2.03
sdS=661.9
fwS=2.12
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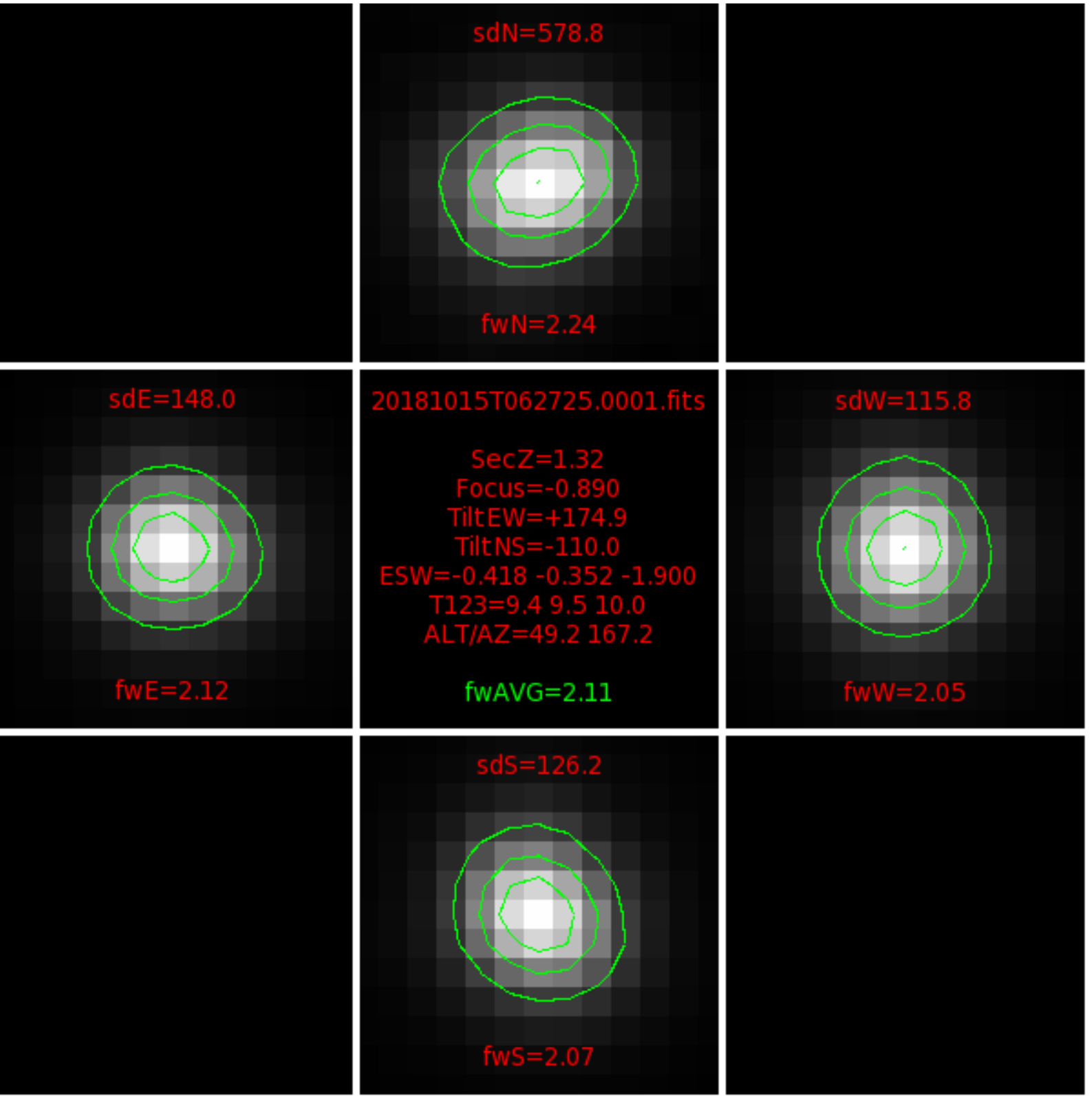
sdN=578.8
fwN=2.24
sdE=148.0
fwE=2.12
20181015T062725.0001.fits
SecZ=1.32
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.5 10.0
ALT/AZ=49.2 167.2
fwAVG=2.11
sdW=115.8
fwW=2.05
sdS=126.2
fwS=2.07
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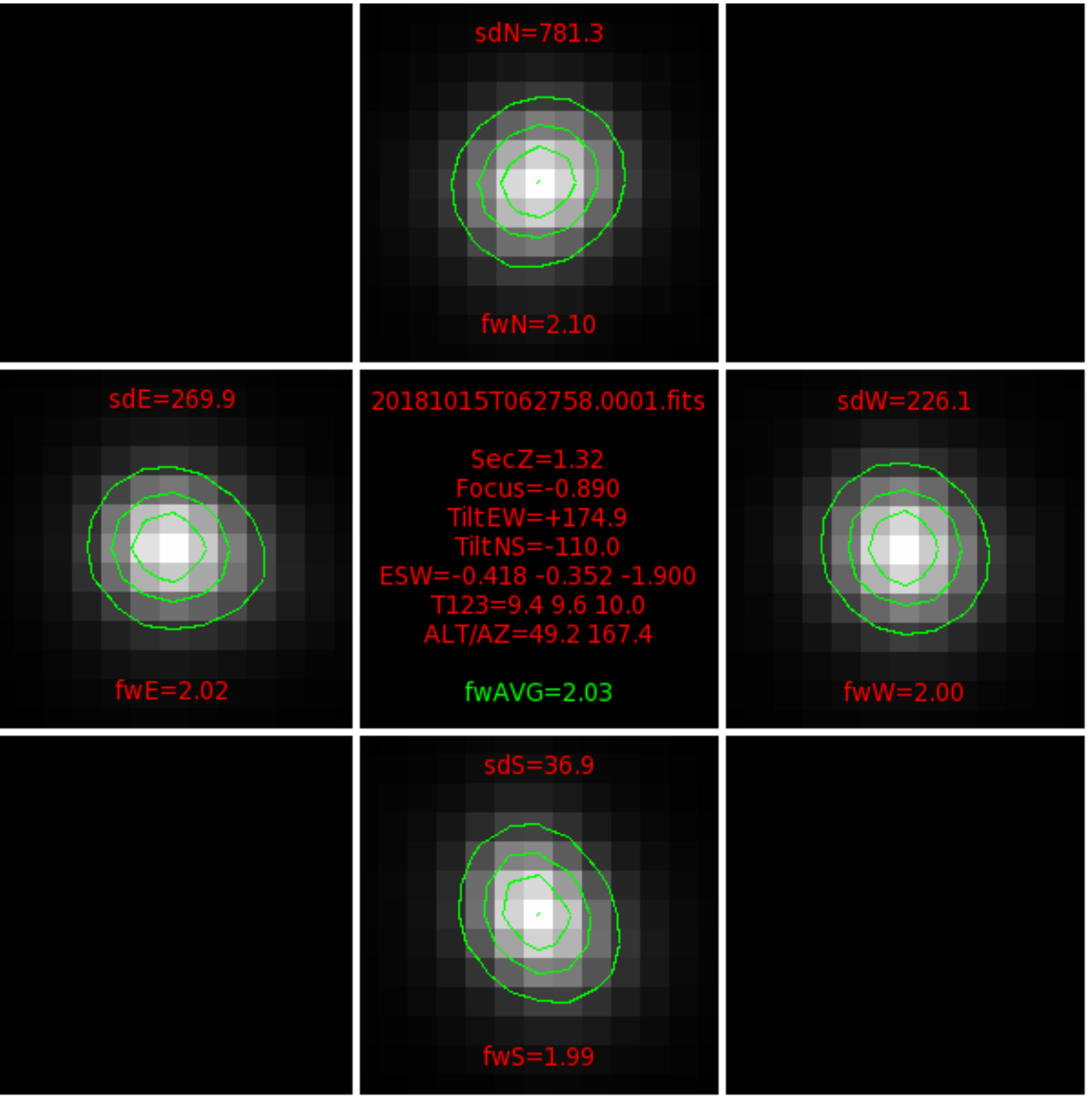
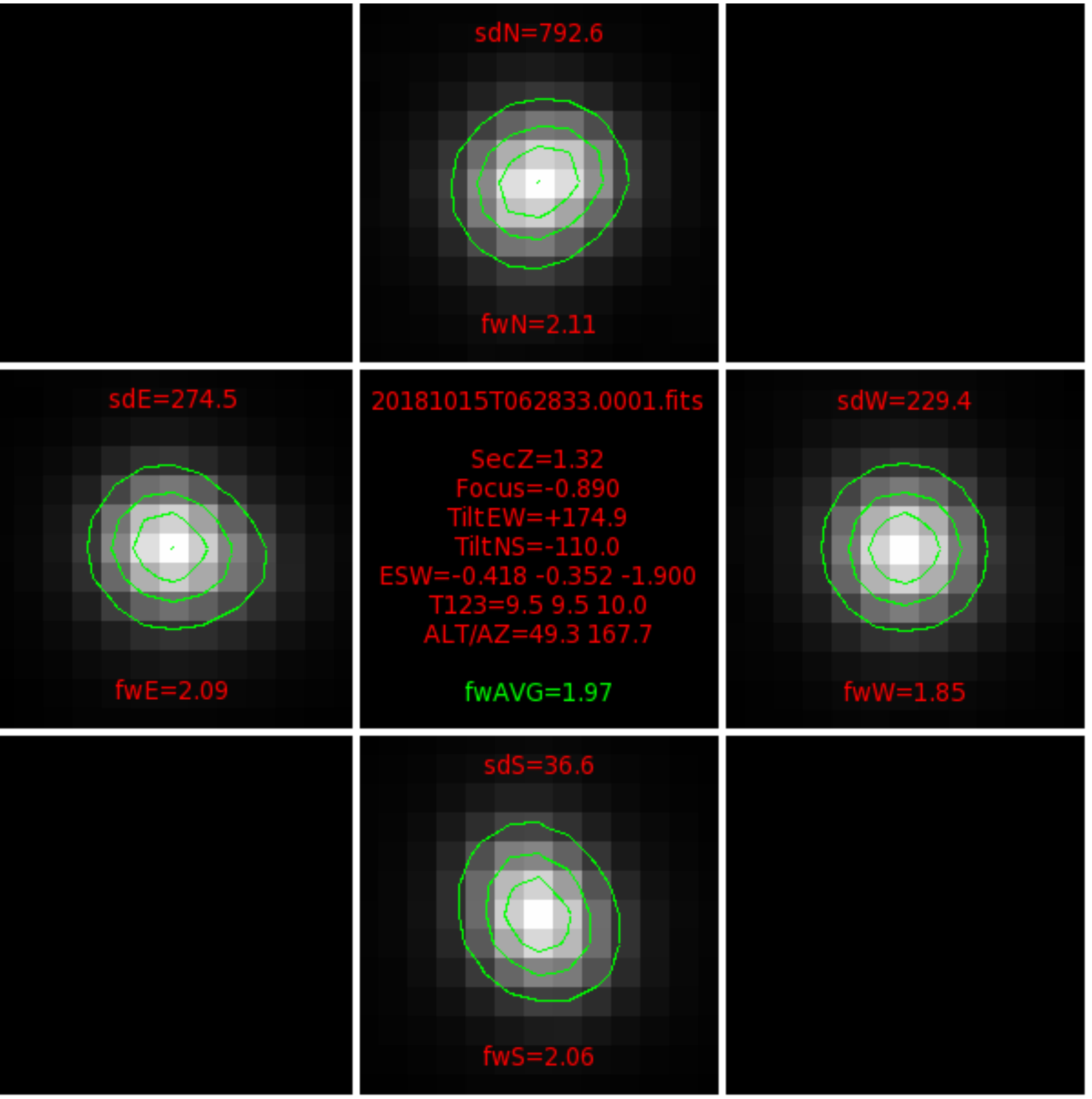

sdN=781.3
fwN=2.10
sdE=269.9
fwE=2.02
20181015T062758.0001.fits
SecZ=1.32
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.6 10.0
ALT/AZ=49.2 167.4
fwAVG=2.03
sdW=226.1
fwW=2.00
sdS=36.9
fwS=1.99
0 0 0 0 0 0 0 0 0


sdN=792.6
fwN=2.11
sdE=274.5
fwE=2.09
20181015T062833.0001.fits
SecZ=1.32
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.5 9.5 10.0
ALT/AZ=49.3 167.7
fwAVG=1.97
sdW=229.4
fwW=1.85
sdS=36.6
fwS=2.06
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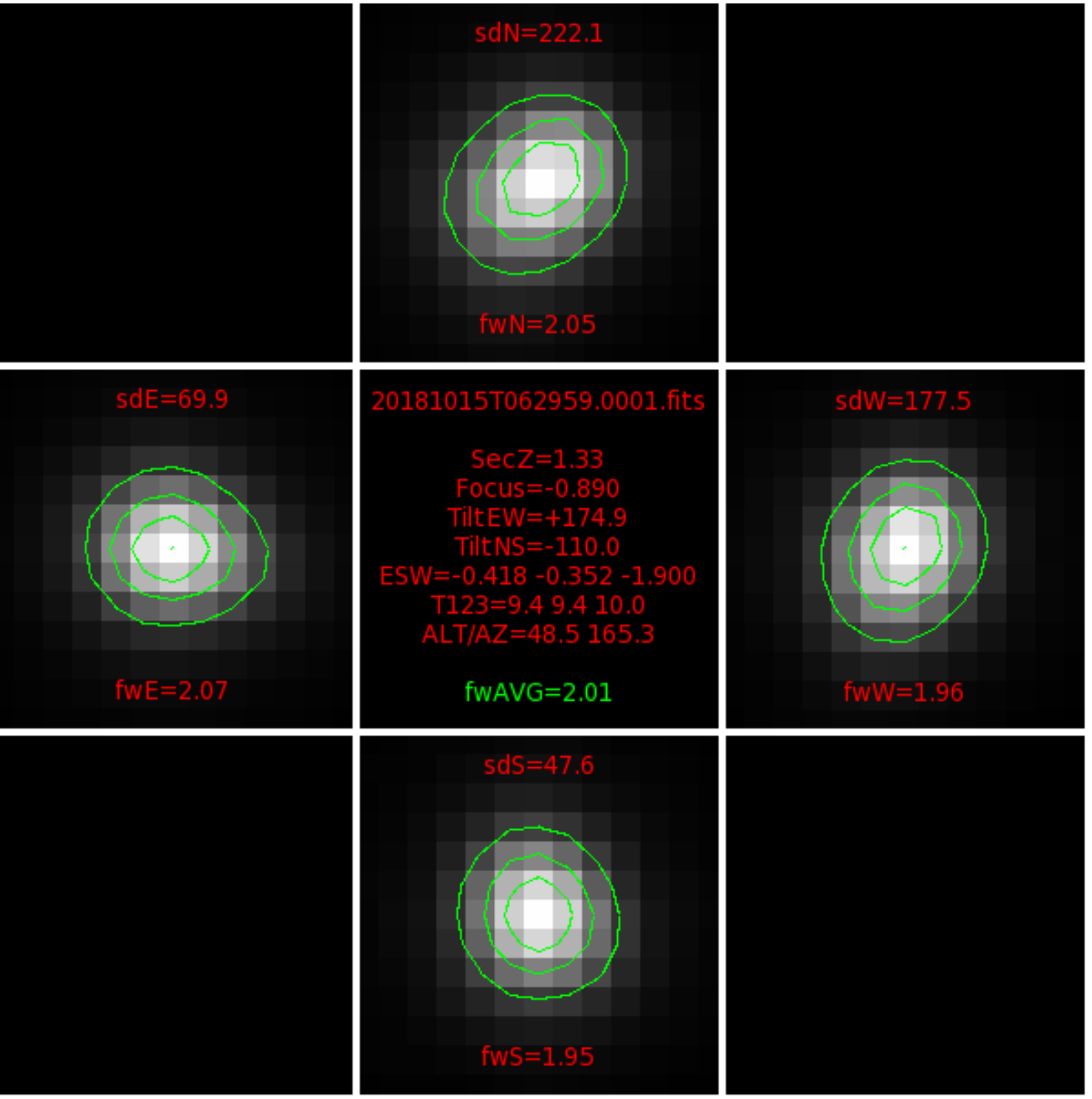
sdN=222.1
fwN=2.05
sdE=69.9
fwE=2.07
20181015T062959.0001.fits
SecZ=1.33
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.4 10.0
ALT/AZ=48.5 165.3
fwAVG=2.01
sdW=177.5
fwW=1.96
sdS=47.6
fwS=1.95
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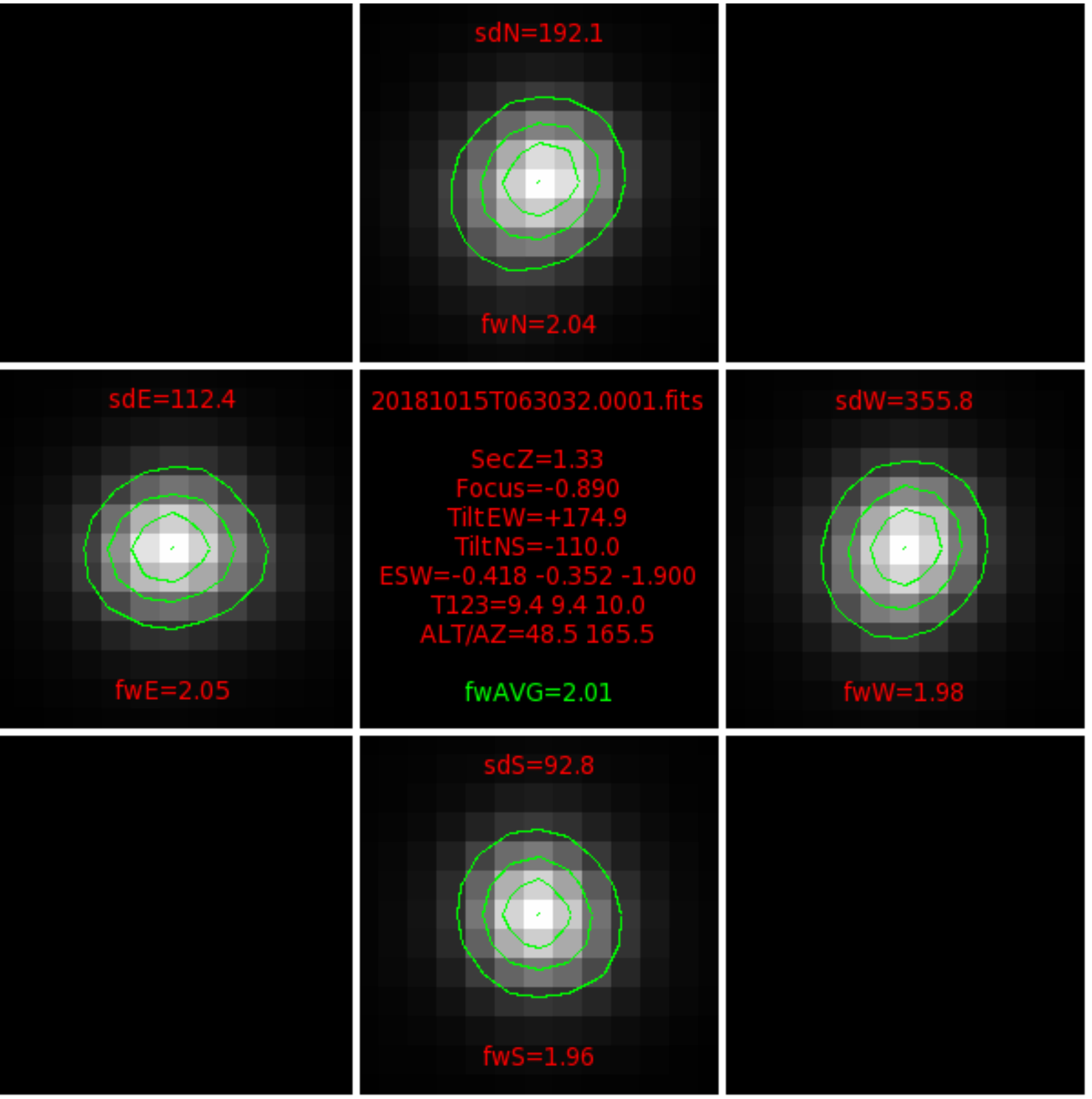
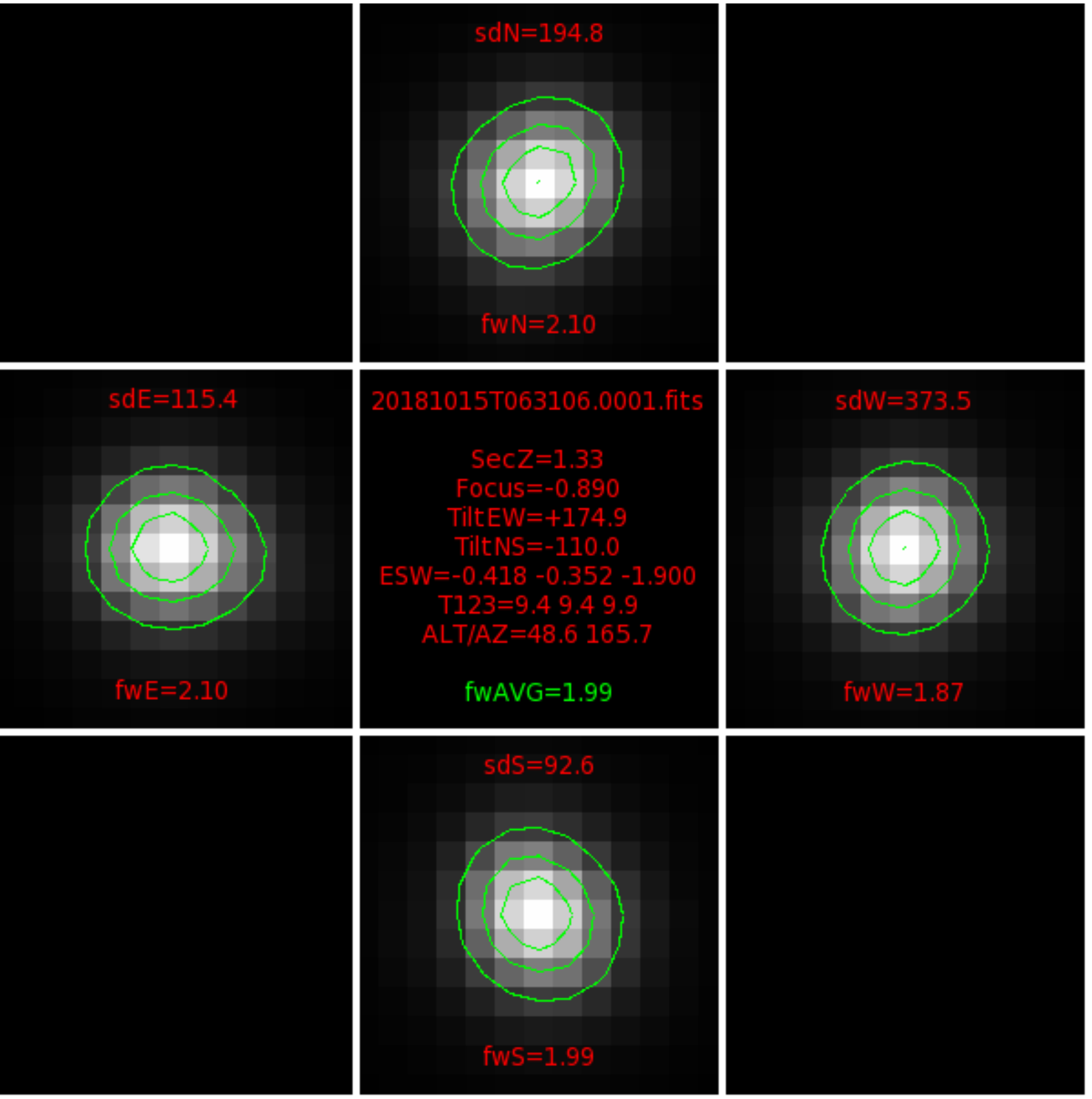

sdN=192.1
fwN=2.04
sdE=112.4
fwE=2.05
20181015T063032.0001.fits
SecZ=1.33
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.4 10.0
ALT/AZ=48.5 165.5
fwAVG=2.01
sdW=355.8
fwW=1.98
sdS=92.8
fwS=1.96
0 0 0 0 0 0 0 0 0


sdN=194.8
fwN=2.10
sdE=115.4
fwE=2.10
20181015T063106.0001.fits
SecZ=1.33
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.4 9.9
ALT/AZ=48.6 165.7
fwAVG=1.99
sdW=373.5
fwW=1.87
sdS=92.6
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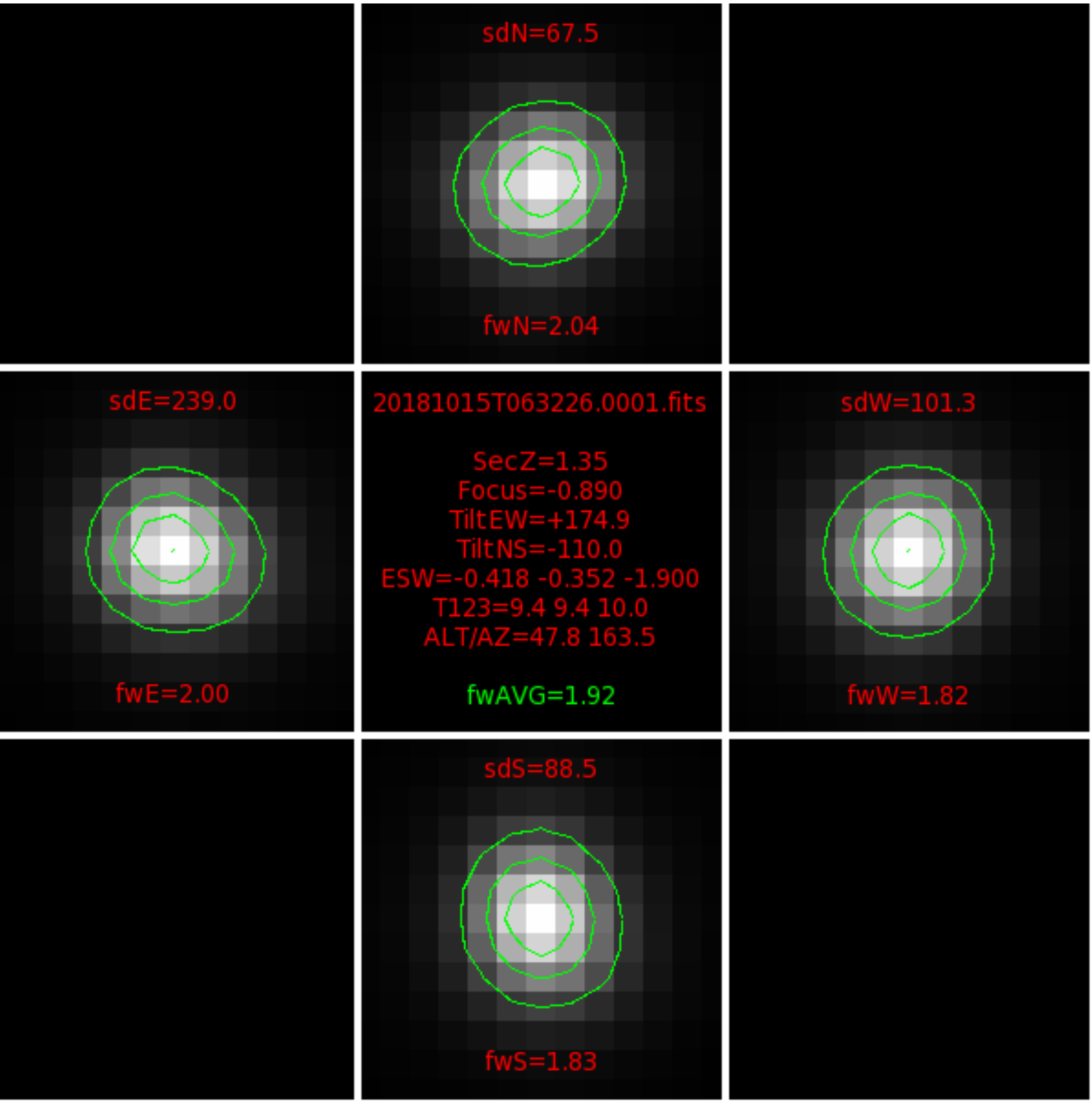
0 0 0 0 0 0 0 0 0


sdN=67.5
fwN=2.04
sdE=239.0
fwE=2.00
20181015T063226.0001.fits
SecZ=1.35
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.4 10.0
ALT/AZ=47.8 163.5
fwAVG=1.92
sdW=101.3
fwW=1.82
sdS=88.5
fwS=1.83
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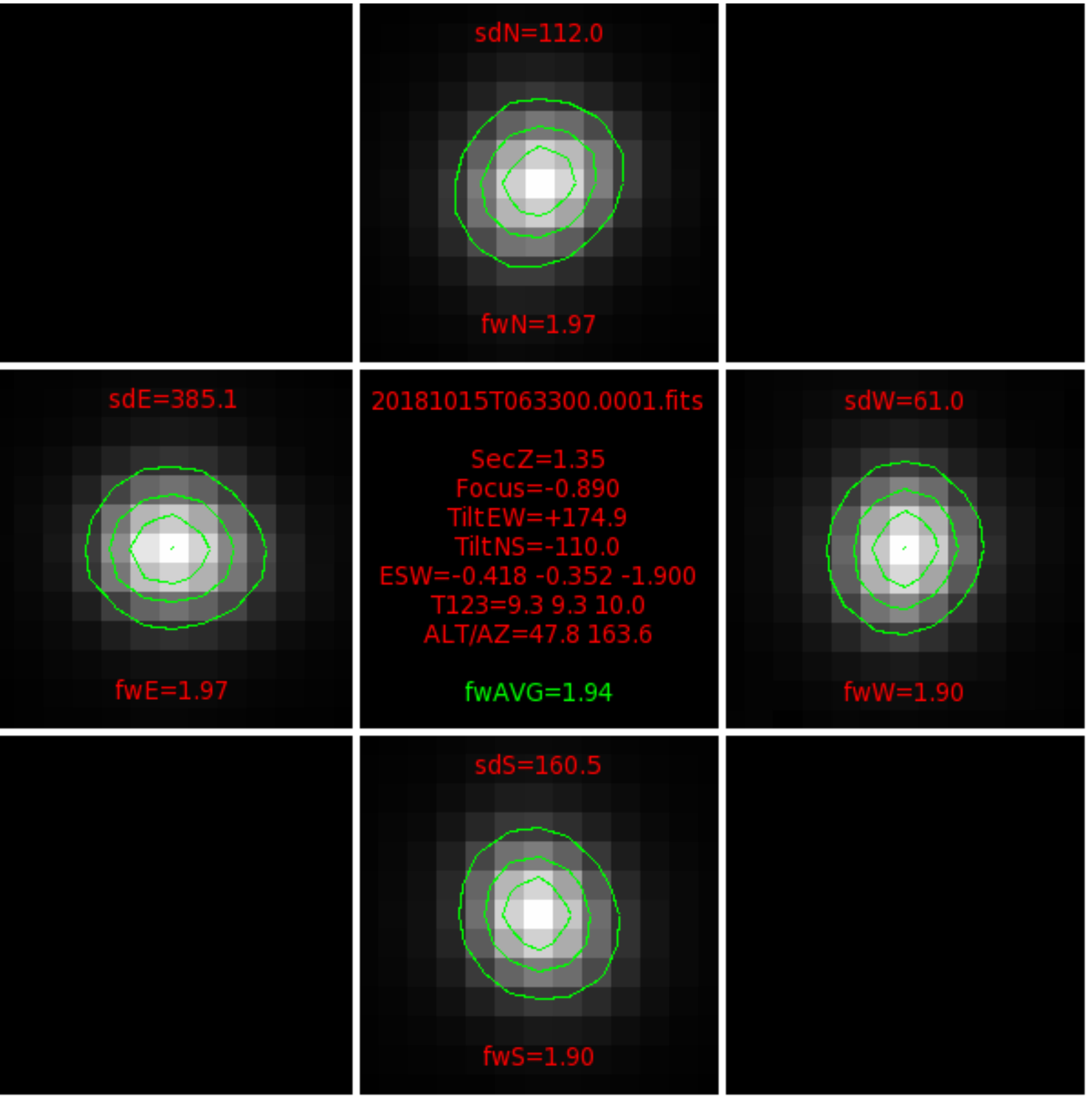
sdN=112.0
fwN=1.97
sdE=385.1
fwE=1.97
20181015T063300.0001.fits
SecZ=1.35
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.3 9.3 10.0
ALT/AZ=47.8 163.6
fwAVG=1.94
sdW=61.0
fwW=1.90
sdS=160.5
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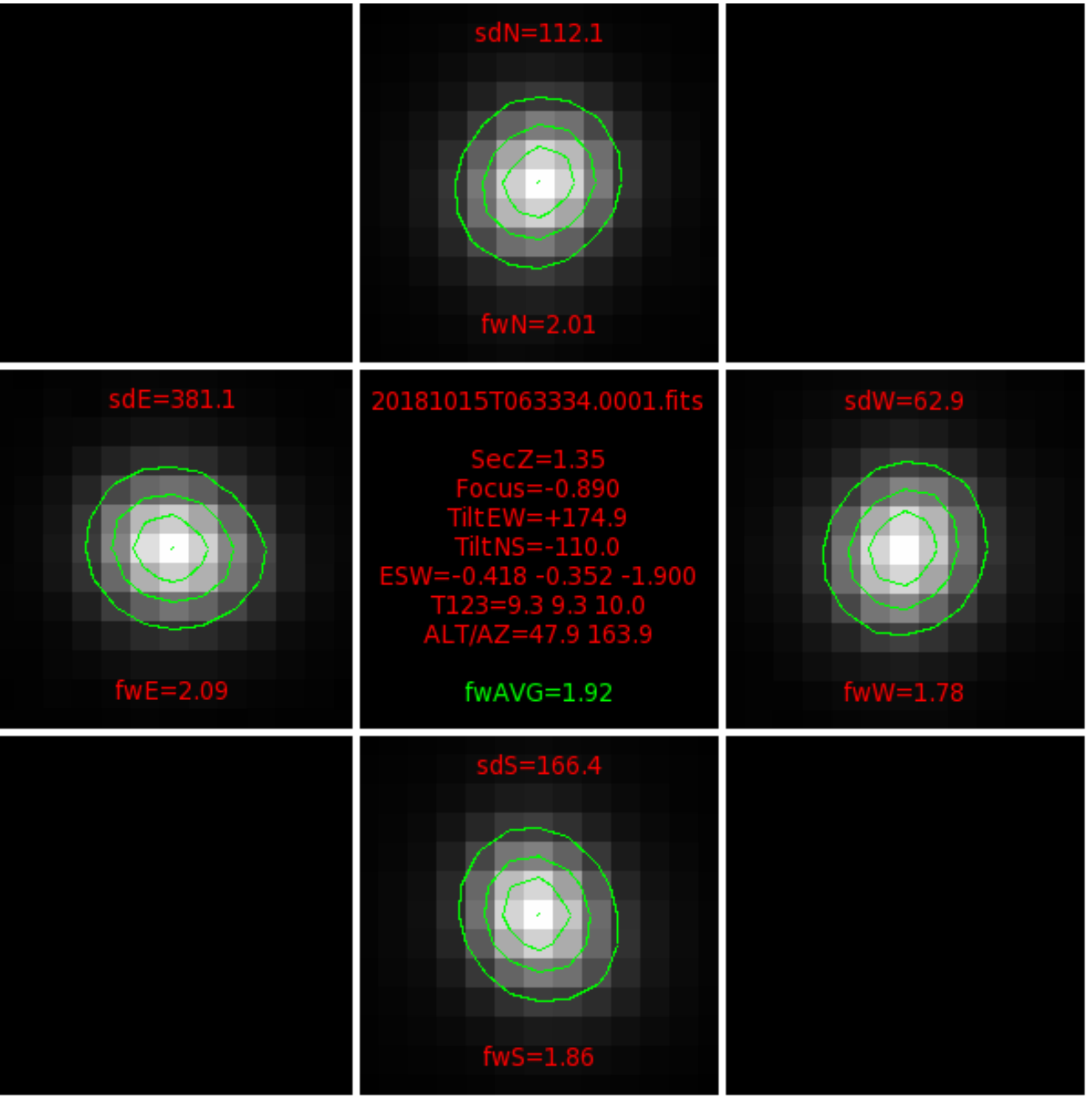
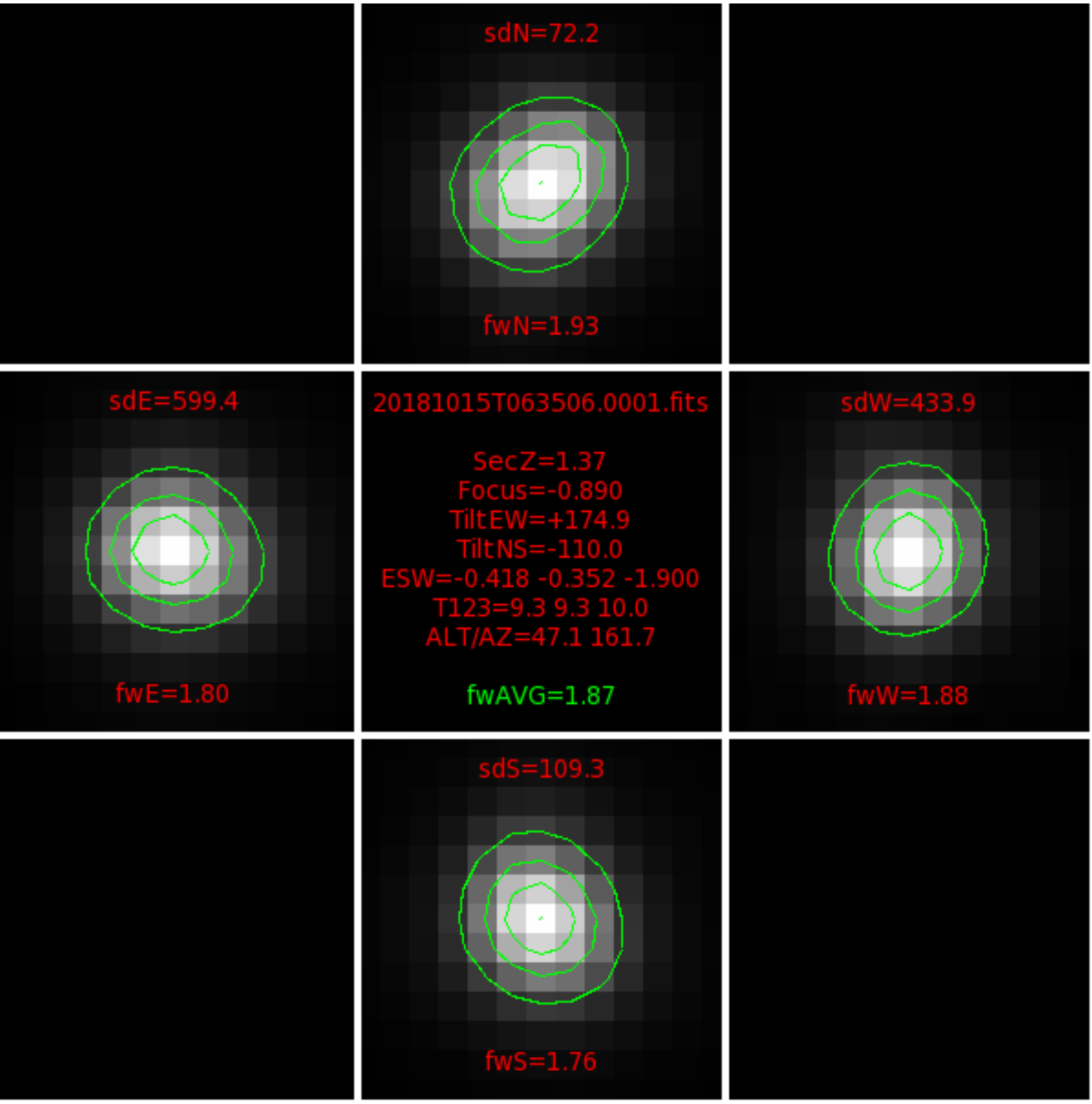

sdN=112.1
fwN=2.01
sdE=381.1
fwE=2.09
20181015T063334.0001.fits
SecZ=1.35
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.3 9.3 10.0
ALT/AZ=47.9 163.9
fwAVG=1.92
sdW=62.9
fwW=1.78
sdS=166.4
fwS=1.86
0 0 0 0 0 0 0 0 0


sdN=72.2
fwN=1.93
sdE=599.4
fwE=1.80
20181015T063506.0001.fits
SecZ=1.37
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.3 9.3 10.0
ALT/AZ=47.1 161.7
fwAVG=1.87
sdW=433.9
fwW=1.88
sdS=109.3
fwS=1.76
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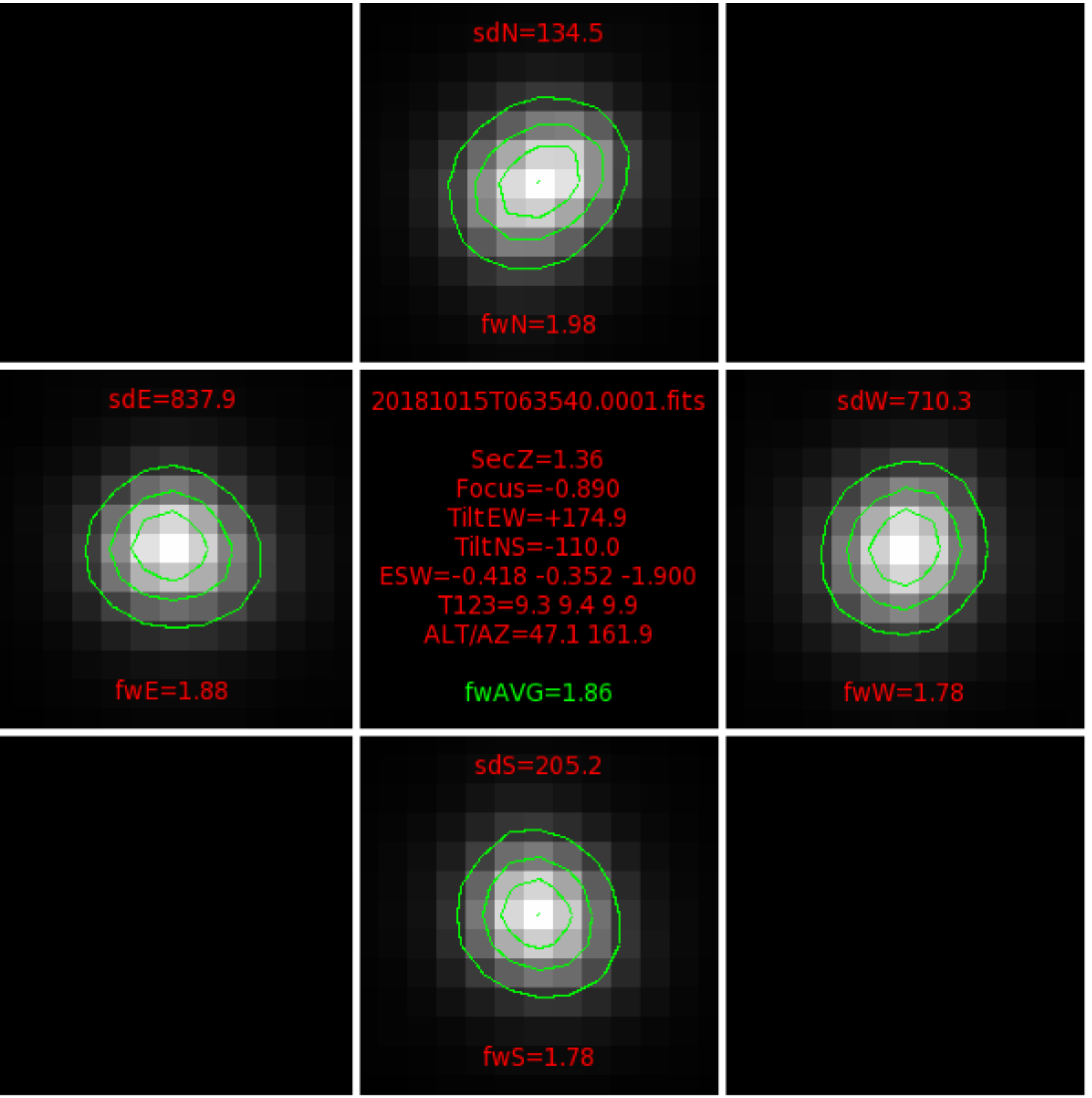
sdN=134.5
fwN=1.98
sdE=837.9
fwE=1.88
20181015T063540.0001.fits
SecZ=1.36
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.3 9.4 9.9
ALT/AZ=47.1 161.9
fwAVG=1.86
sdW=710.3
fwW=1.78
sdS=205.2
fwS=1.78
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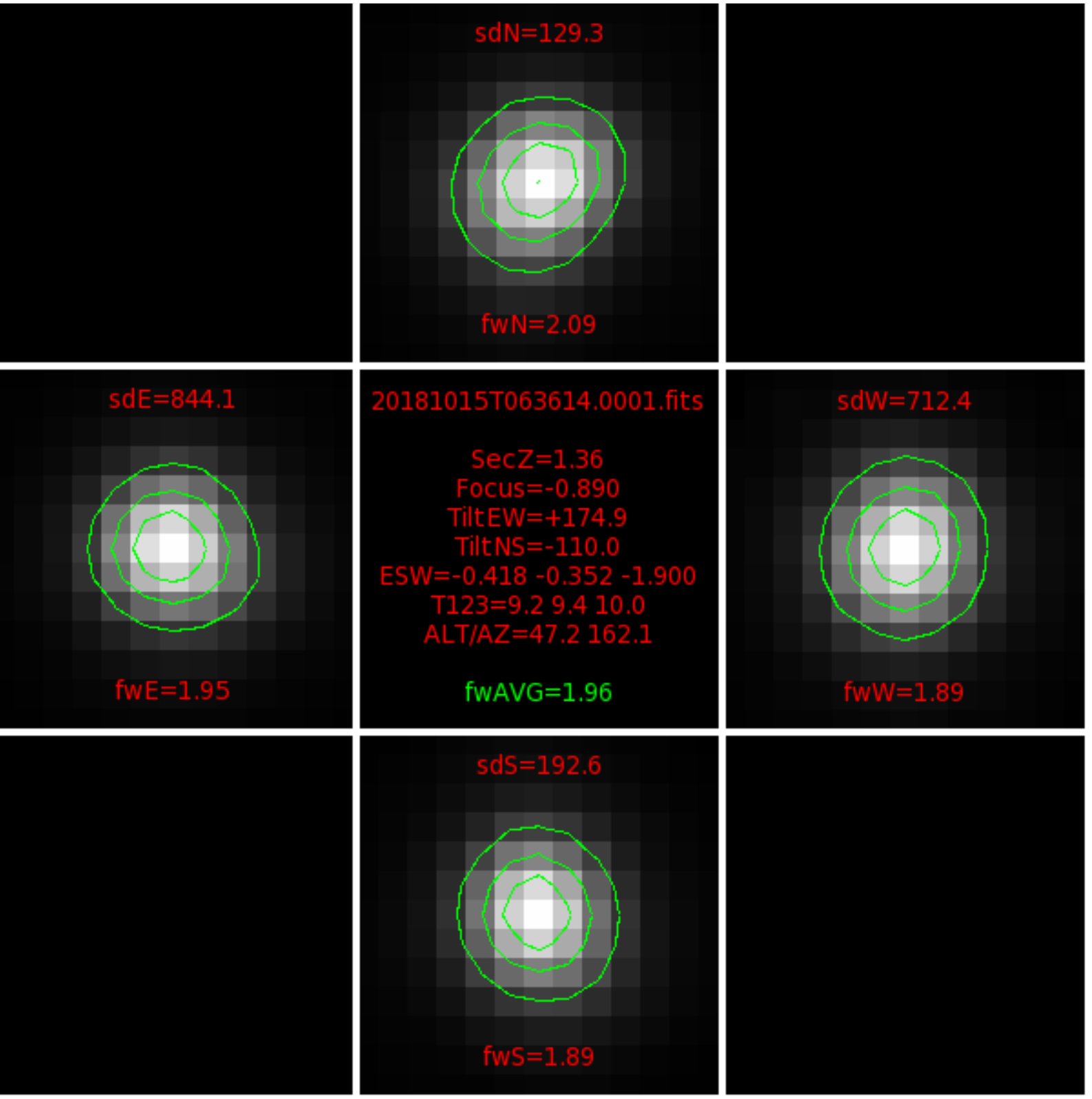
sdN=129.3
fwN=2.09
sdE=844.1
fwE=1.95
20181015T063614.0001.fits
SecZ=1.36
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.2 9.4 10.0
ALT/AZ=47.2 162.1
fwAVG=1.96
sdW=712.4
fwW=1.89
sdS=192.6
fwS=1.89
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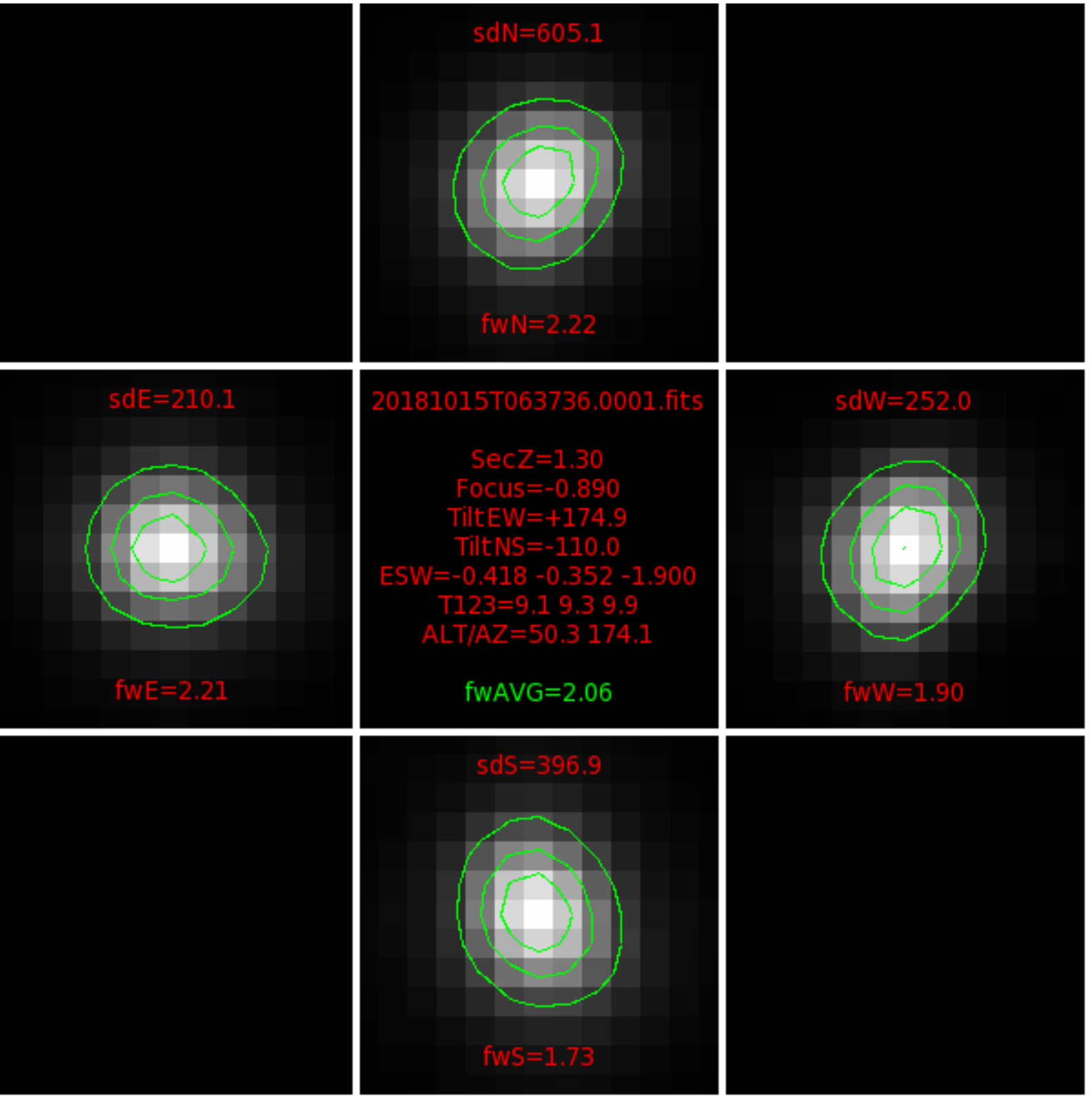
sdN=605.1
fwN=2.22
sdE=210.1
fwE=2.21
20181015T063736.0001.fits
SecZ=1.30
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.3 9.9
ALT/AZ=50.3 174.1
fwAVG=2.06
sdW=252.0
fwW=1.90
sdS=396.9
fwS=1.73
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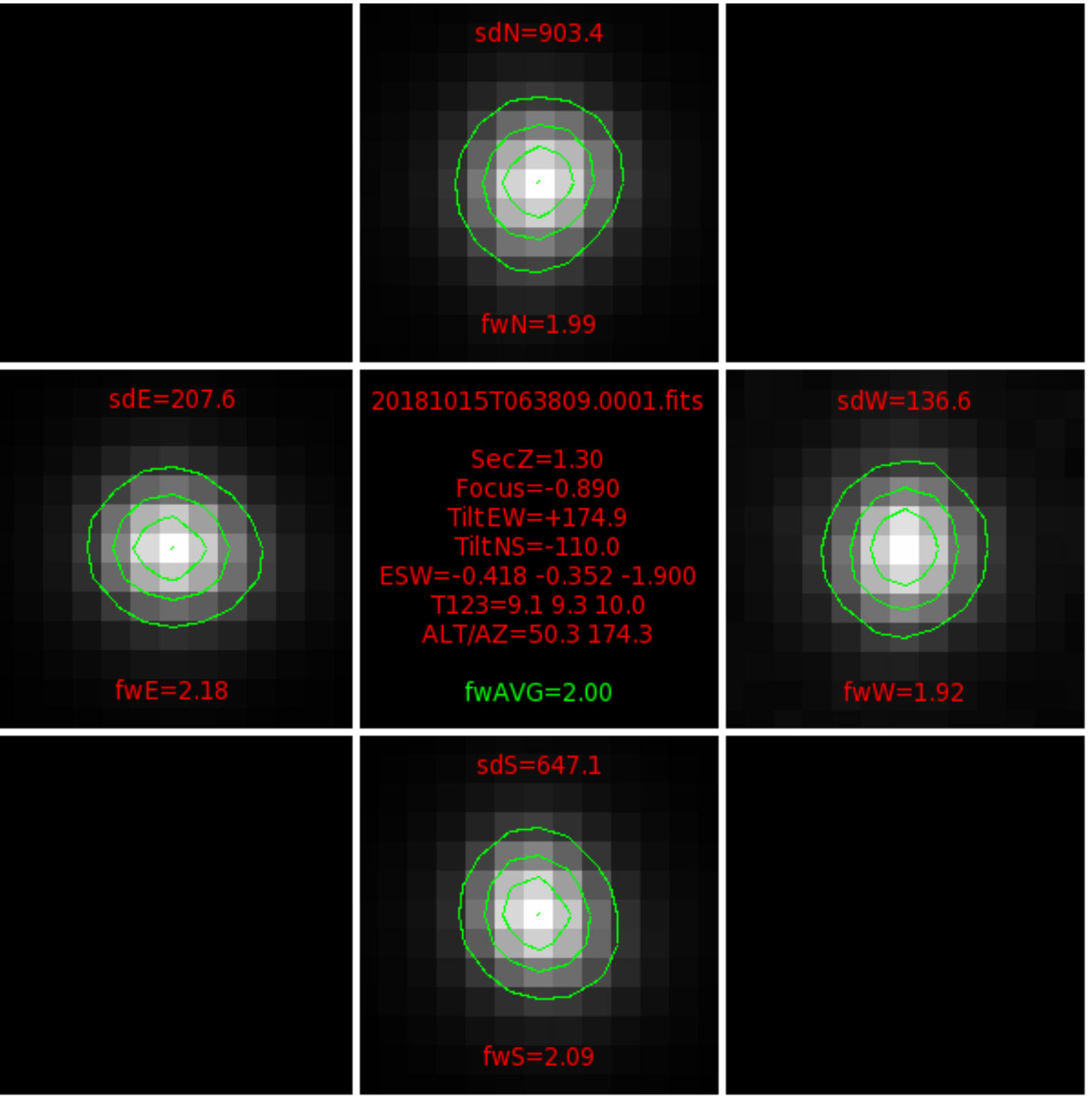
sdN=903.4
fwN=1.99
sdE=207.6
fwE=2.18
20181015T063809.0001.fits
SecZ=1.30
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.3 10.0
ALT/AZ=50.3 174.3
fwAVG=2.00
sdW=136.6
fwW=1.92
sdS=647.1
fwS=2.09
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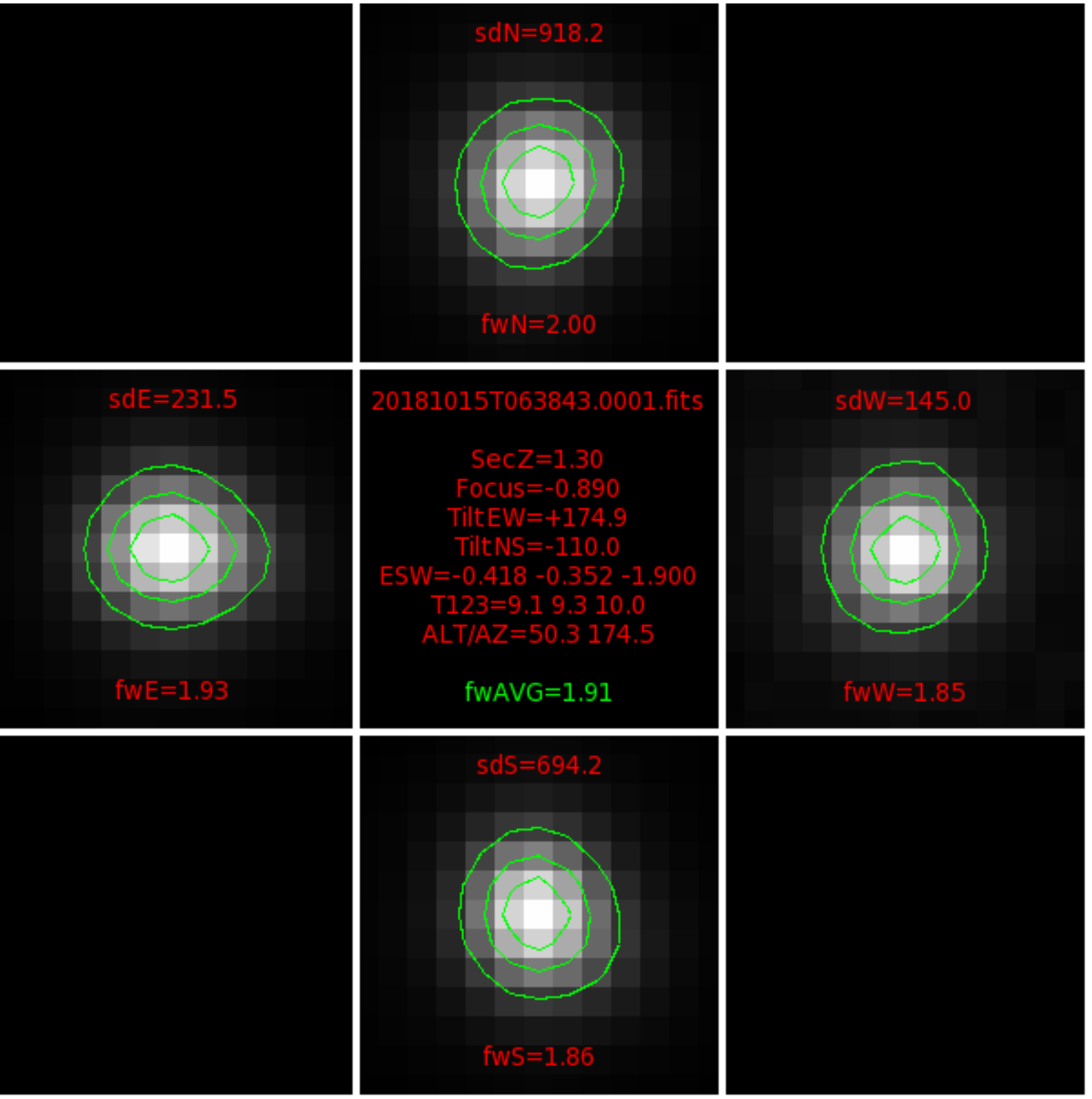
sdN=918.2
fwN=2.00
sdE=231.5
fwE=1.93
20181015T063843.0001.fits
SecZ=1.30
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.3 10.0
ALT/AZ=50.3 174.5
fwAVG=1.91
sdW=145.0
fwW=1.85
sdS=694.2
fwS=1.86
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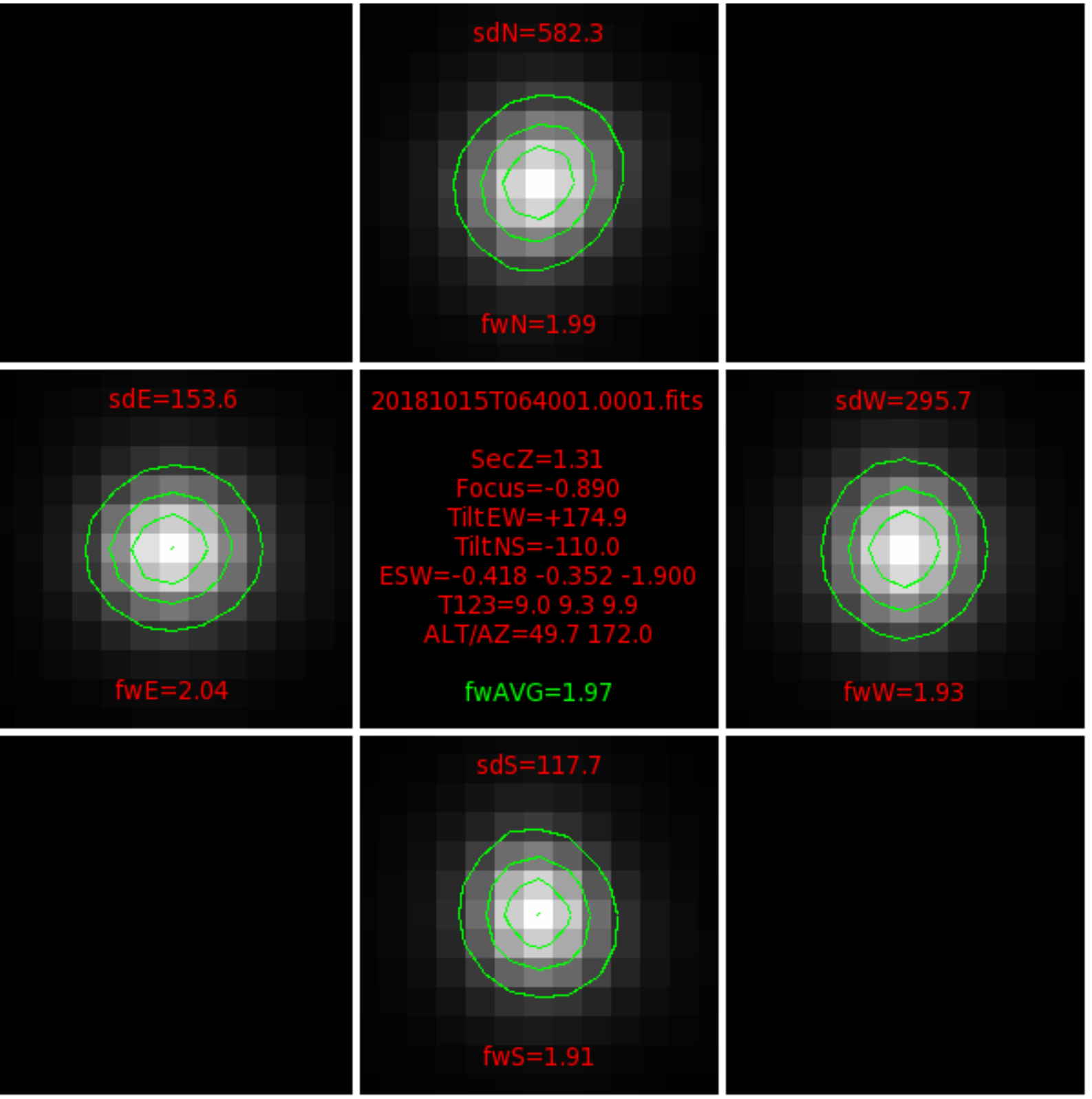
sdN=582.3
fwN=1.99
sdE=153.6
fwE=2.04
20181015T064001.0001.fits
SecZ=1.31
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.3 9.9
ALT/AZ=49.7 172.0
fwAVG=1.97
sdW=295.7
fwW=1.93
sdS=117.7
fwS=1.91
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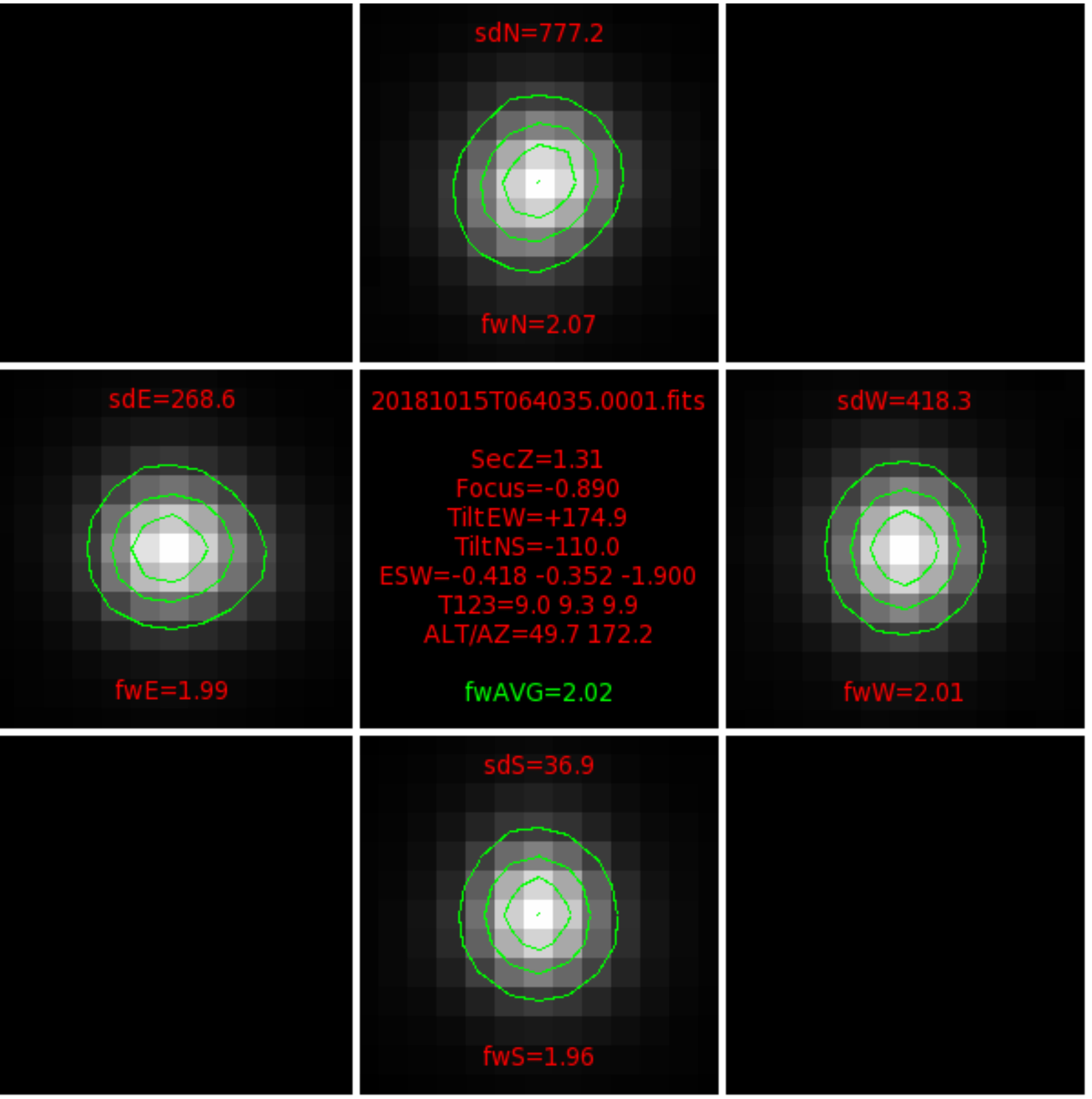
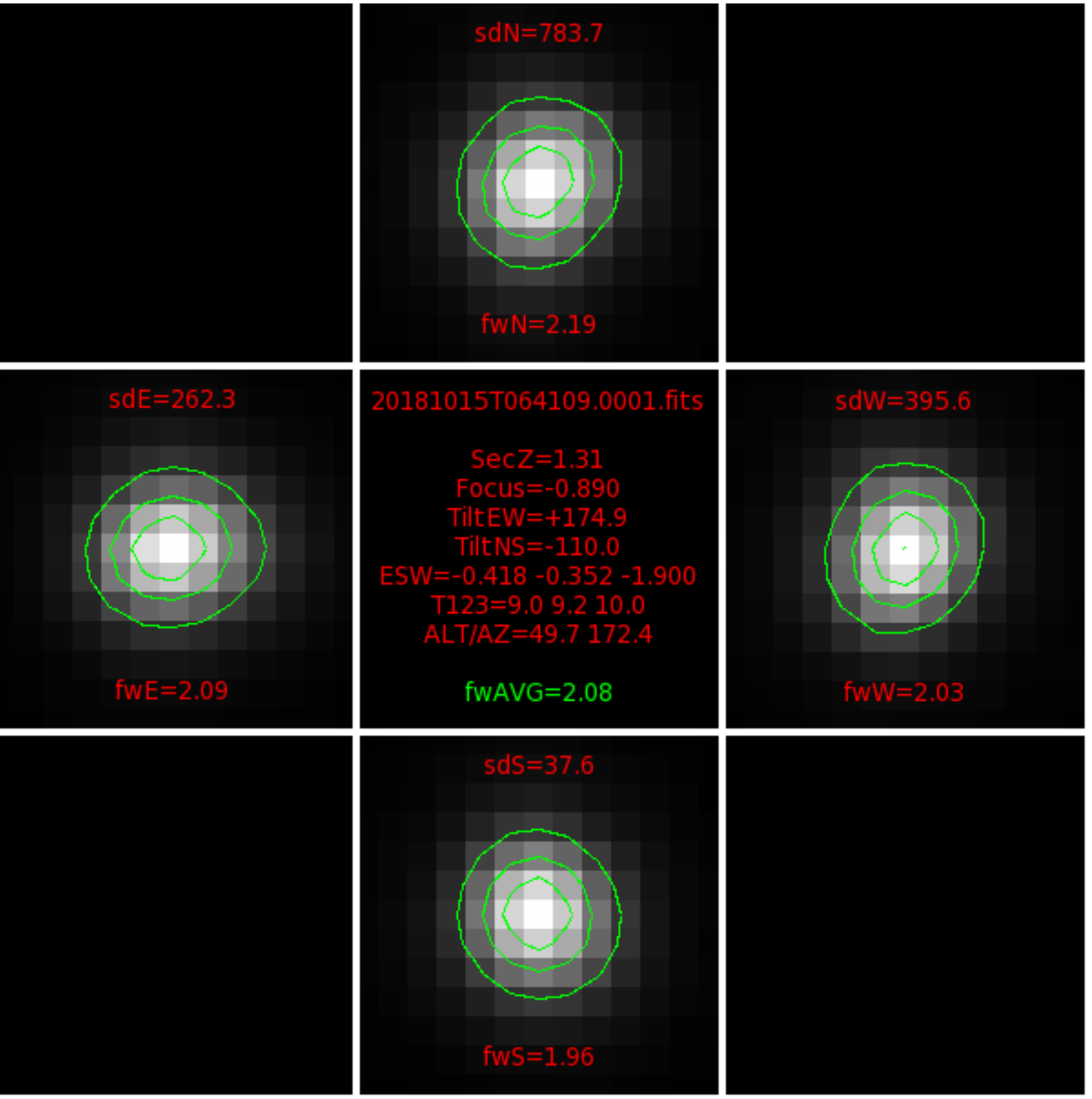

sdN=777.2
fwN=2.07
sdE=268.6
fwE=1.99
20181015T064035.0001.fits
SecZ=1.31
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.3 9.9
ALT/AZ=49.7 172.2
fwAVG=2.02
sdW=418.3
fwW=2.01
sdS=36.9
fwS=1.96
0 0 0 0 0 0 0 0 0


sdN=783.7
fwN=2.19
sdE=262.3
fwE=2.09
20181015T064109.0001.fits
SecZ=1.31
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.2 10.0
ALT/AZ=49.7 172.4
fwAVG=2.08
sdW=395.6
fwW=2.03
sdS=37.6
fwS=1.96
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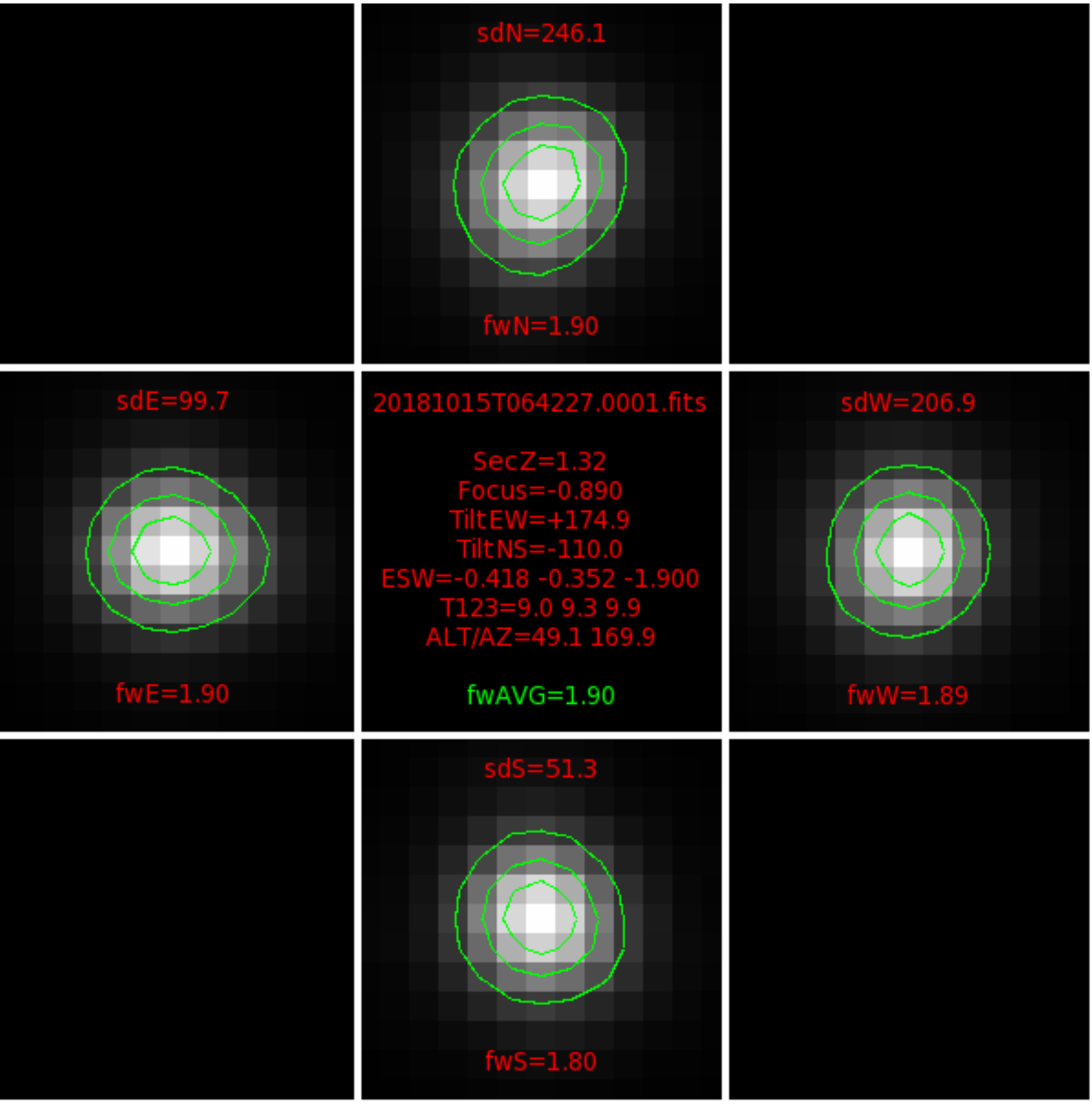
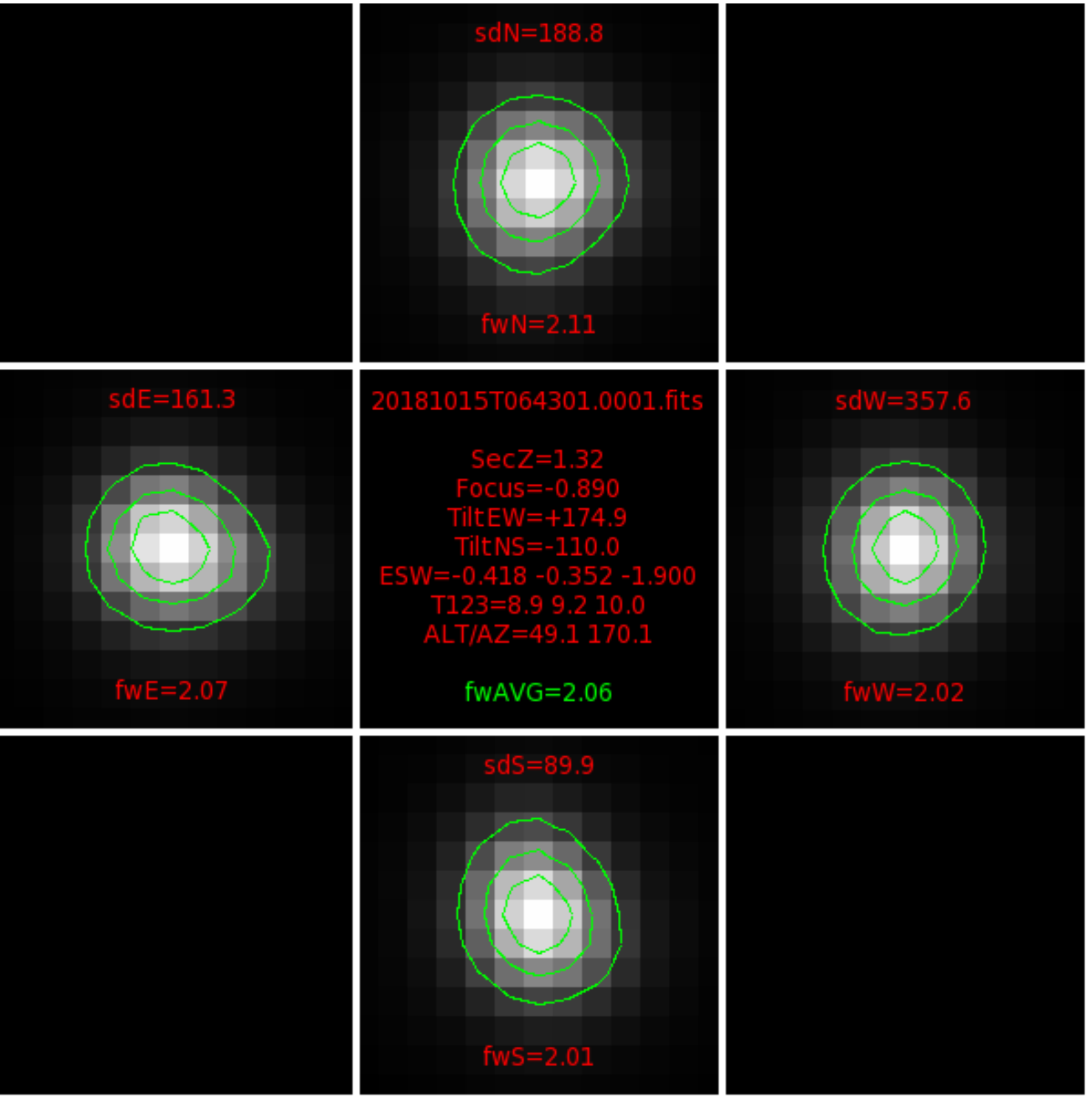

sdN=246.1
fwN=1.90
sdE=99.7
fwE=1.90
20181015T064227.0001.fits
SecZ=1.32
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.3 9.9
ALT/AZ=49.1 169.9
fwAVG=1.90
sdW=206.9
fwW=1.89
sdS=51.3
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=188.8
fwN=2.11
sdE=161.3
fwE=2.07
20181015T064301.0001.fits
SecZ=1.32
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.2 10.0
ALT/AZ=49.1 170.1
fwAVG=2.06
sdW=357.6
fwW=2.02
sdS=89.9
fwS=2.01
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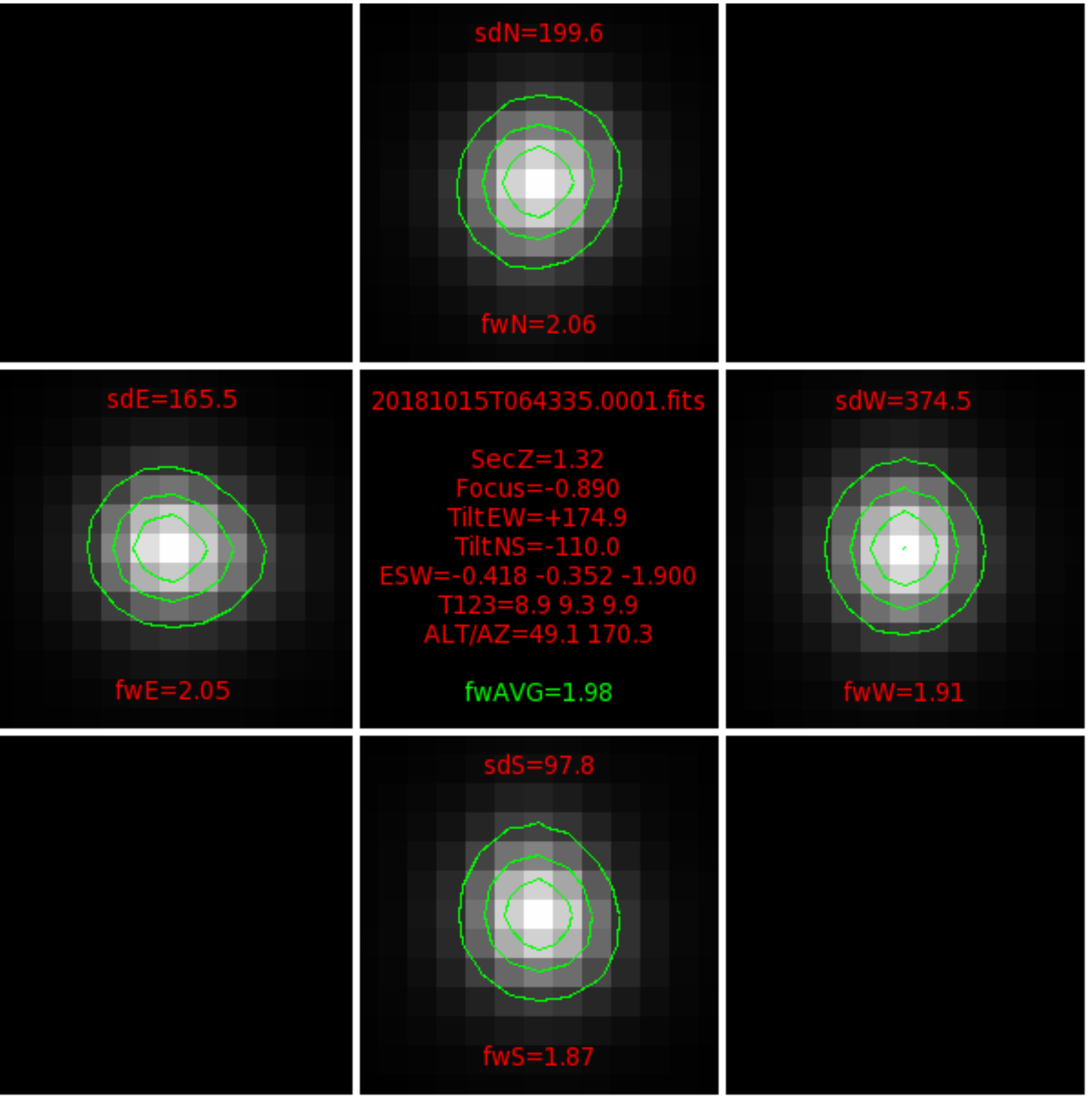
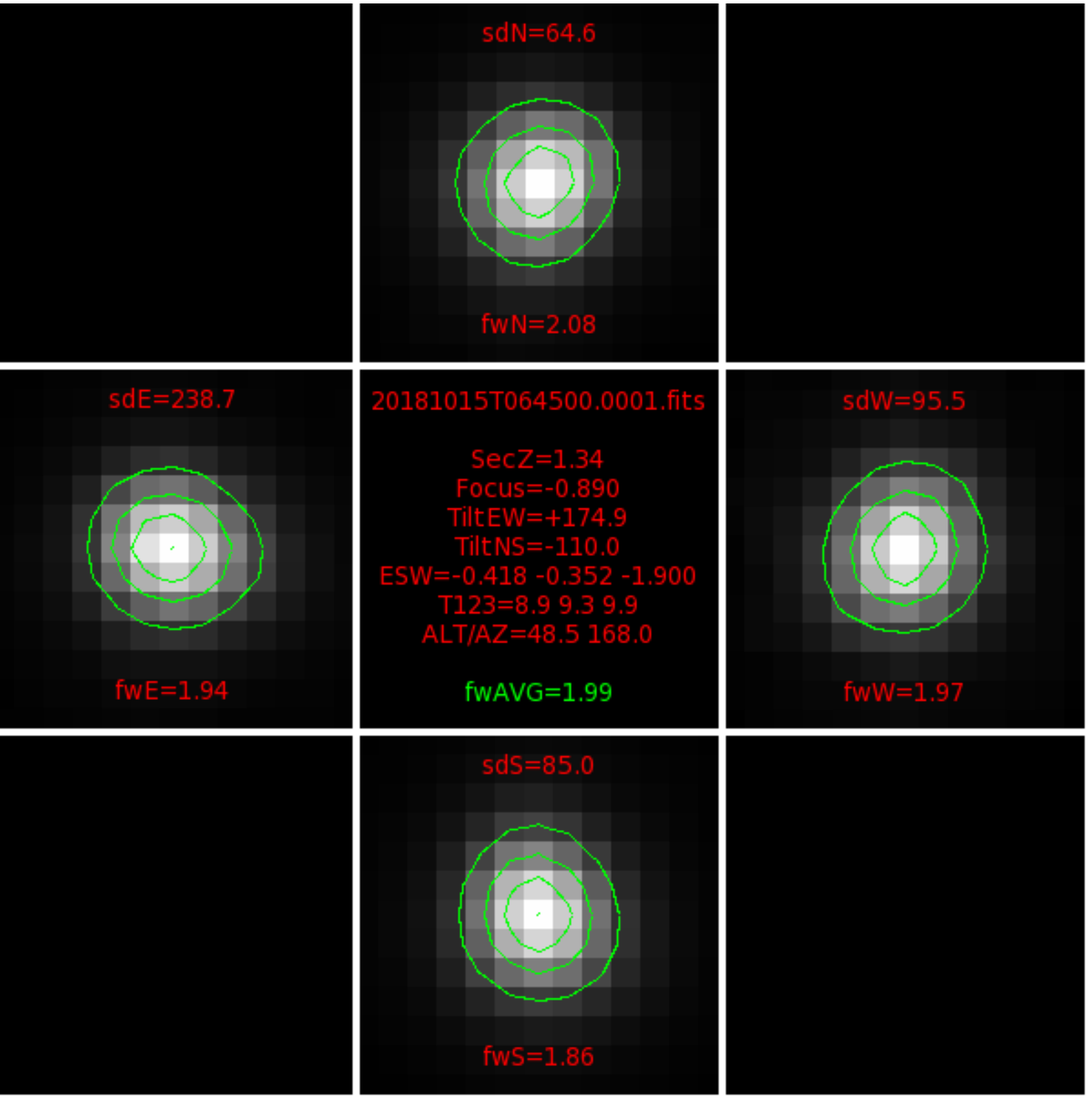
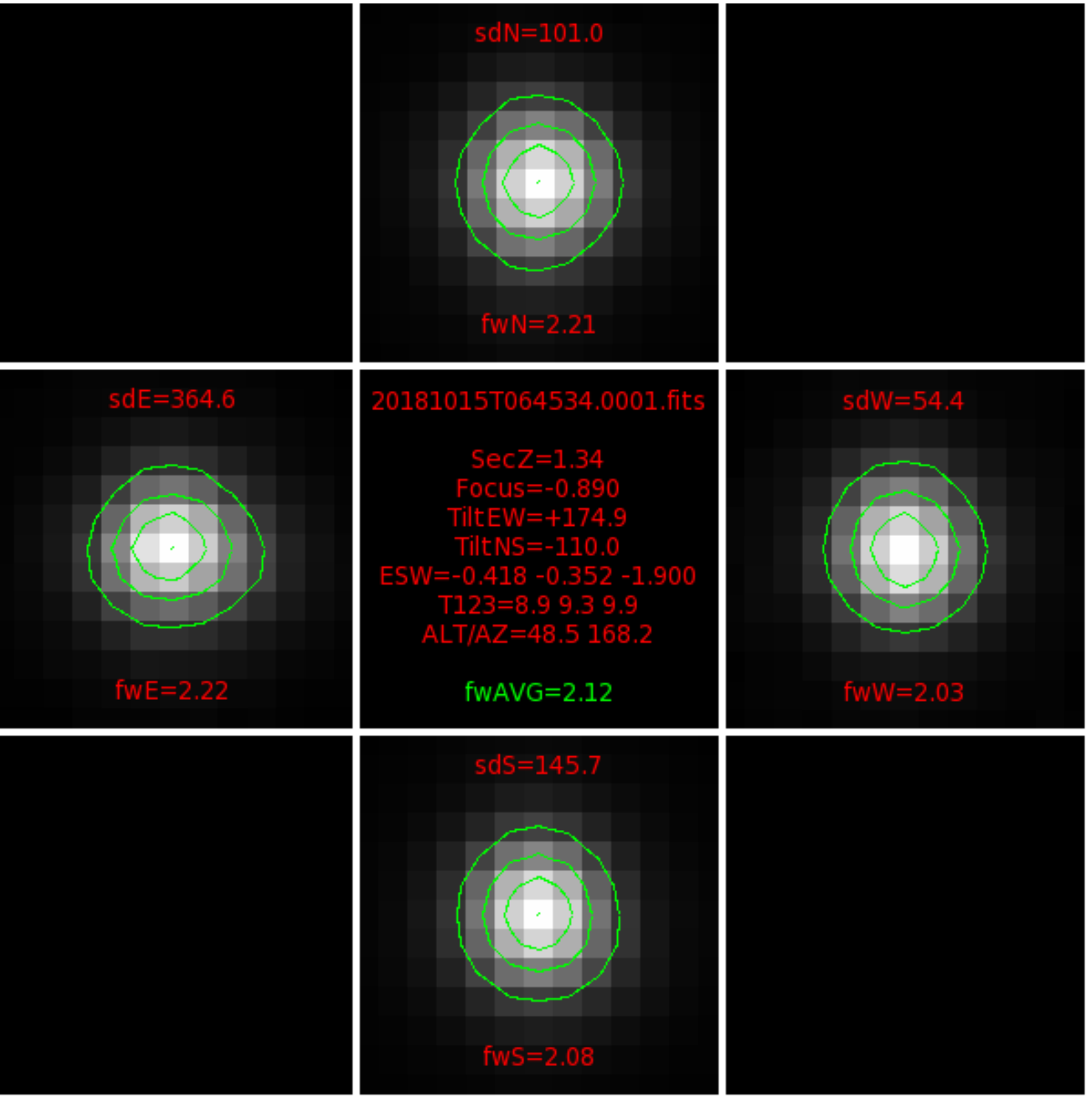

sdN=199.6
fwN=2.06
sdE=165.5
fwE=2.05
20181015T064335.0001.fits
SecZ=1.32
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.3 9.9
ALT/AZ=49.1 170.3
fwAVG=1.98
sdW=374.5
fwW=1.91
sdS=97.8
fwS=1.87
0 0 0 0 0 0 0 0 0


sdN=64.6
fwN=2.08
sdE=238.7
fwE=1.94
20181015T064500.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.3 9.9
ALT/AZ=48.5 168.0
fwAVG=1.99
sdW=95.5
fwW=1.97
sdS=85.0
fwS=1.86
0 0 0 0 0 0 0 0 0


sdN=101.0
fwN=2.21
sdE=364.6
fwE=2.22
20181015T064534.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.3 9.9
ALT/AZ=48.5 168.2
fwAVG=2.12
sdW=54.4
fwW=2.03
sdS=145.7
fwS=2.08
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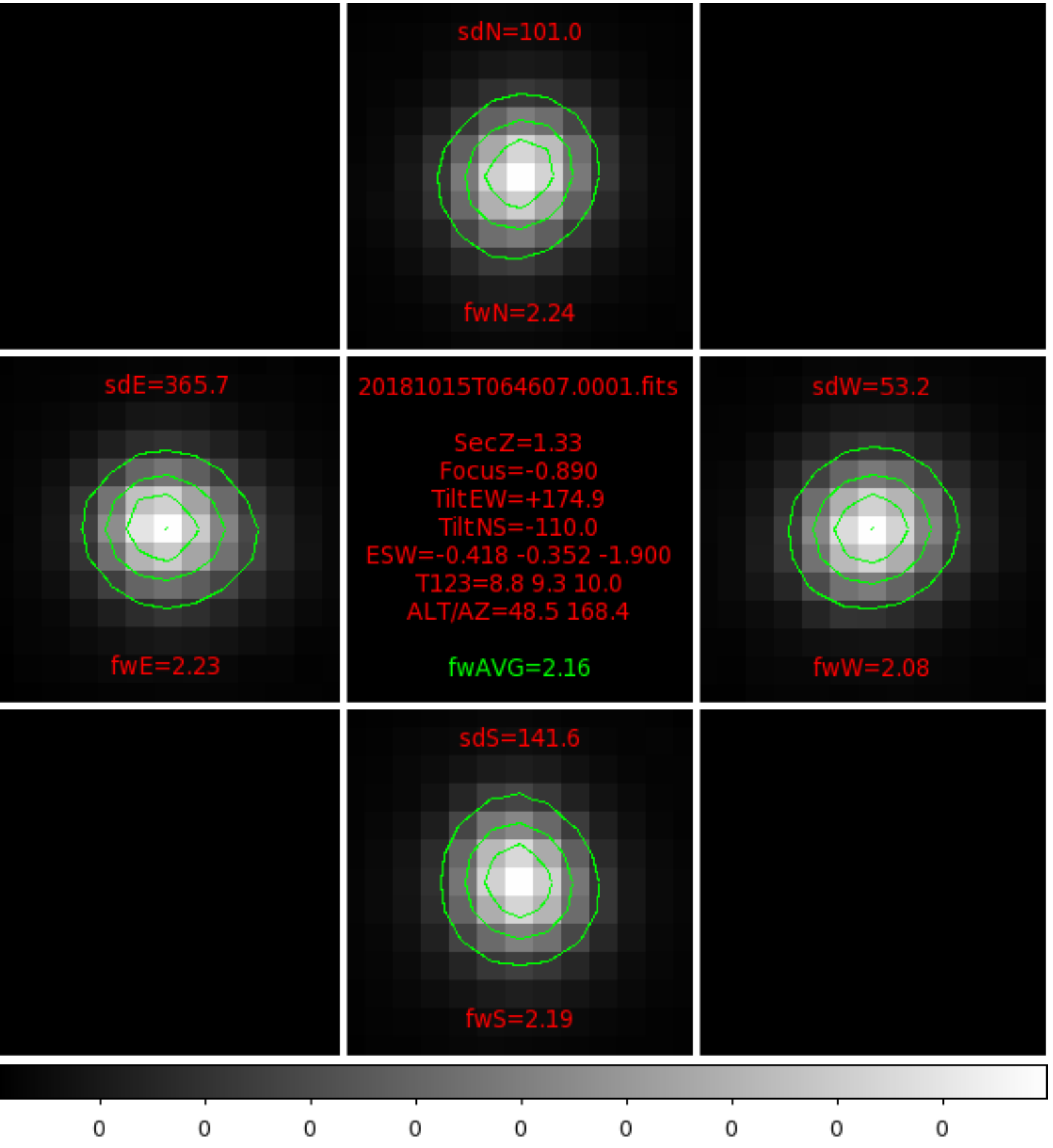
sdN=101.0
fwN=2.24
sdE=365.7
fwE=2.23
20181015T064607.0001.fits
SecZ=1.33
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.8 9.3 10.0
ALT/AZ=48.5 168.4
fwAVG=2.16
sdW=53.2
fwW=2.08
sdS=141.6
fwS=2.19
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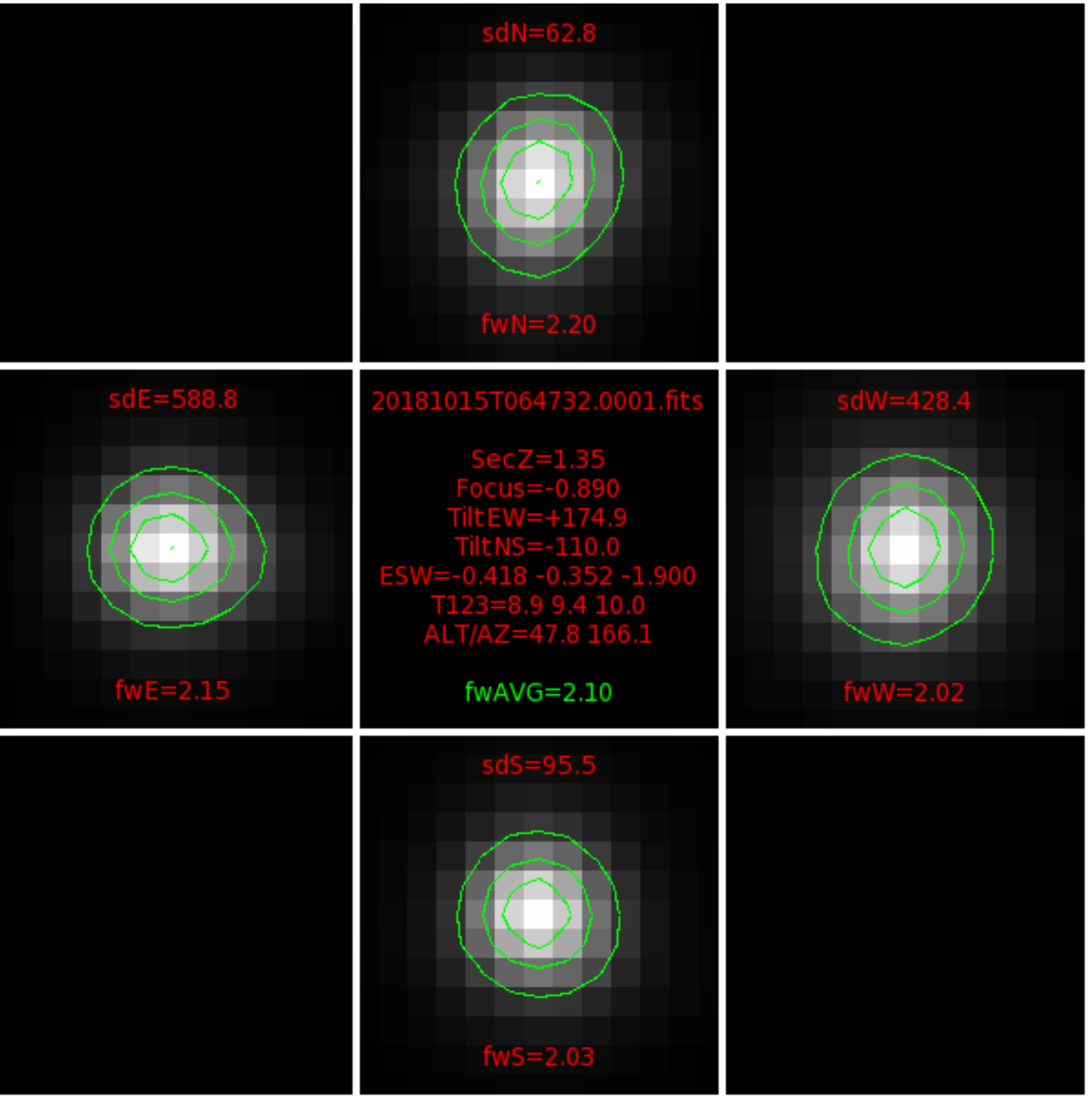
sdN=62.8
fwN=2.20
sdE=588.8
fwE=2.15
20181015T064732.0001.fits
SecZ=1.35
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.4 10.0
ALT/AZ=47.8 166.1
fwAVG=2.10
sdW=428.4
fwW=2.02
sdS=95.5
fwS=2.03
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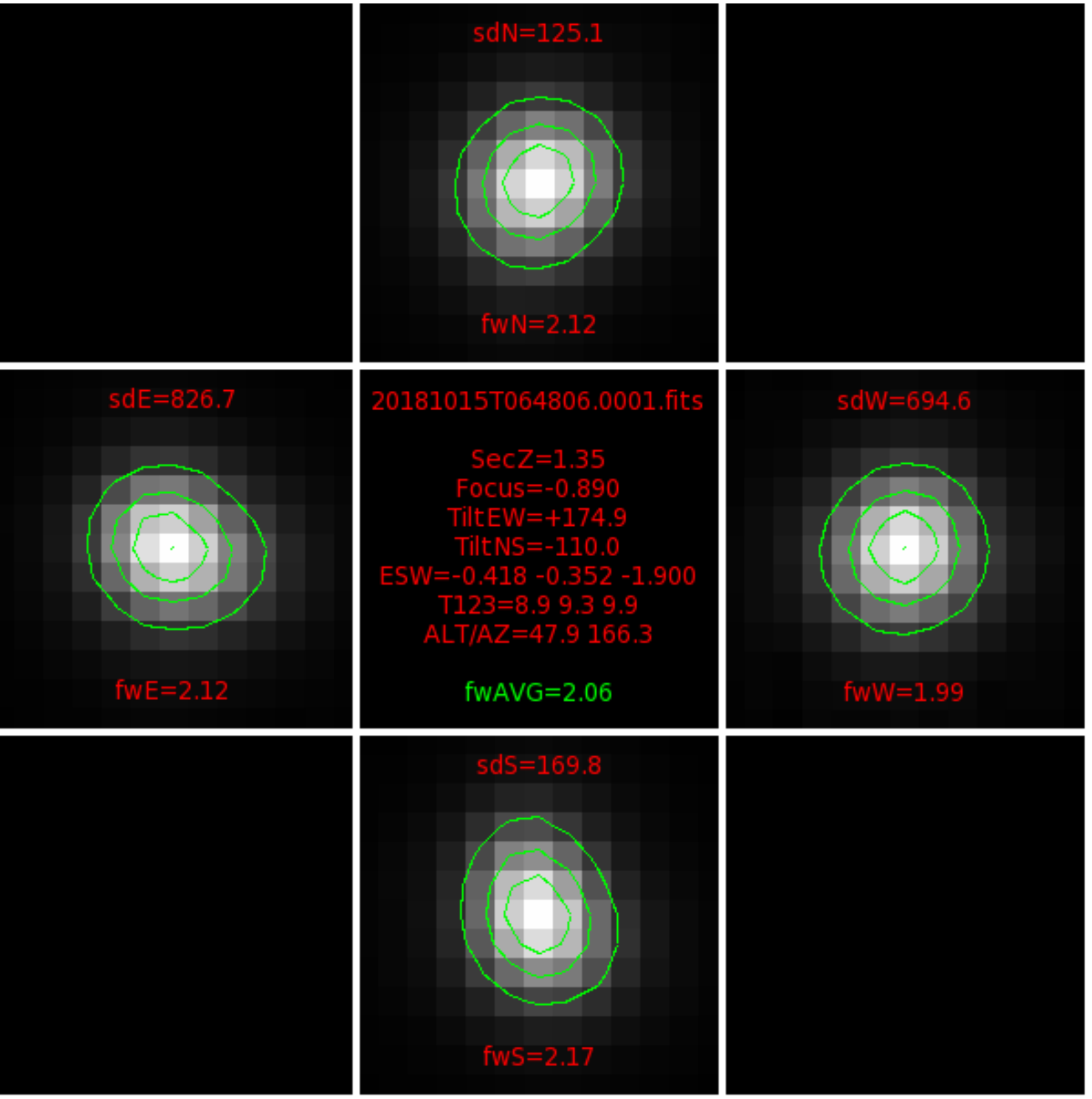
sdN=125.1
fwN=2.12
sdE=826.7
fwE=2.12
20181015T064806.0001.fits
SecZ=1.35
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.3 9.9
ALT/AZ=47.9 166.3
fwAVG=2.06
sdW=694.6
fwW=1.99
sdS=169.8
fwS=2.17
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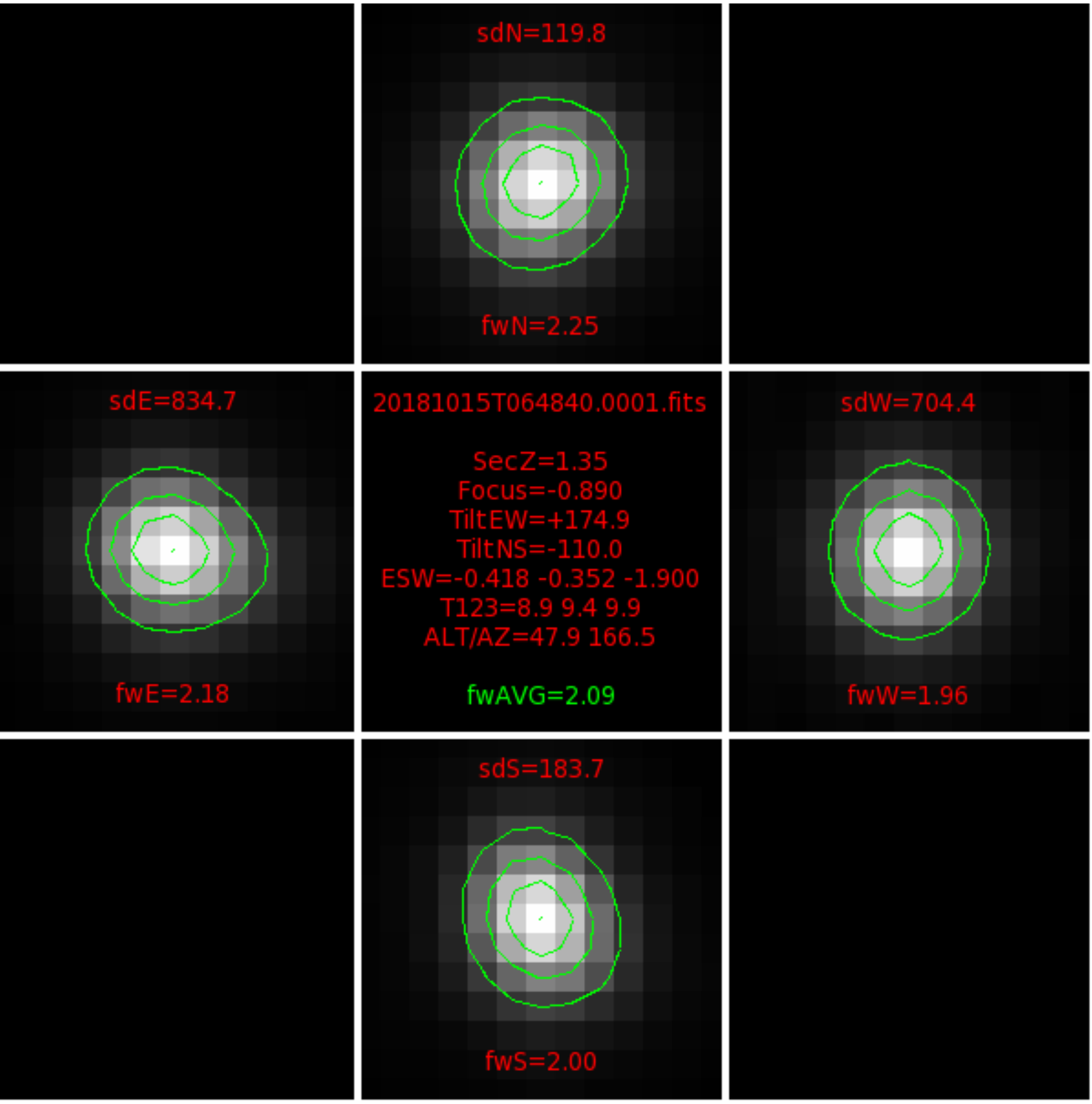
sdN=119.8
fwN=2.25
sdE=834.7
fwE=2.18
20181015T064840.0001.fits
SecZ=1.35
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.4 9.9
ALT/AZ=47.9 166.5
fwAVG=2.09
sdW=704.4
fwW=1.96
sdS=183.7
fwS=2.00
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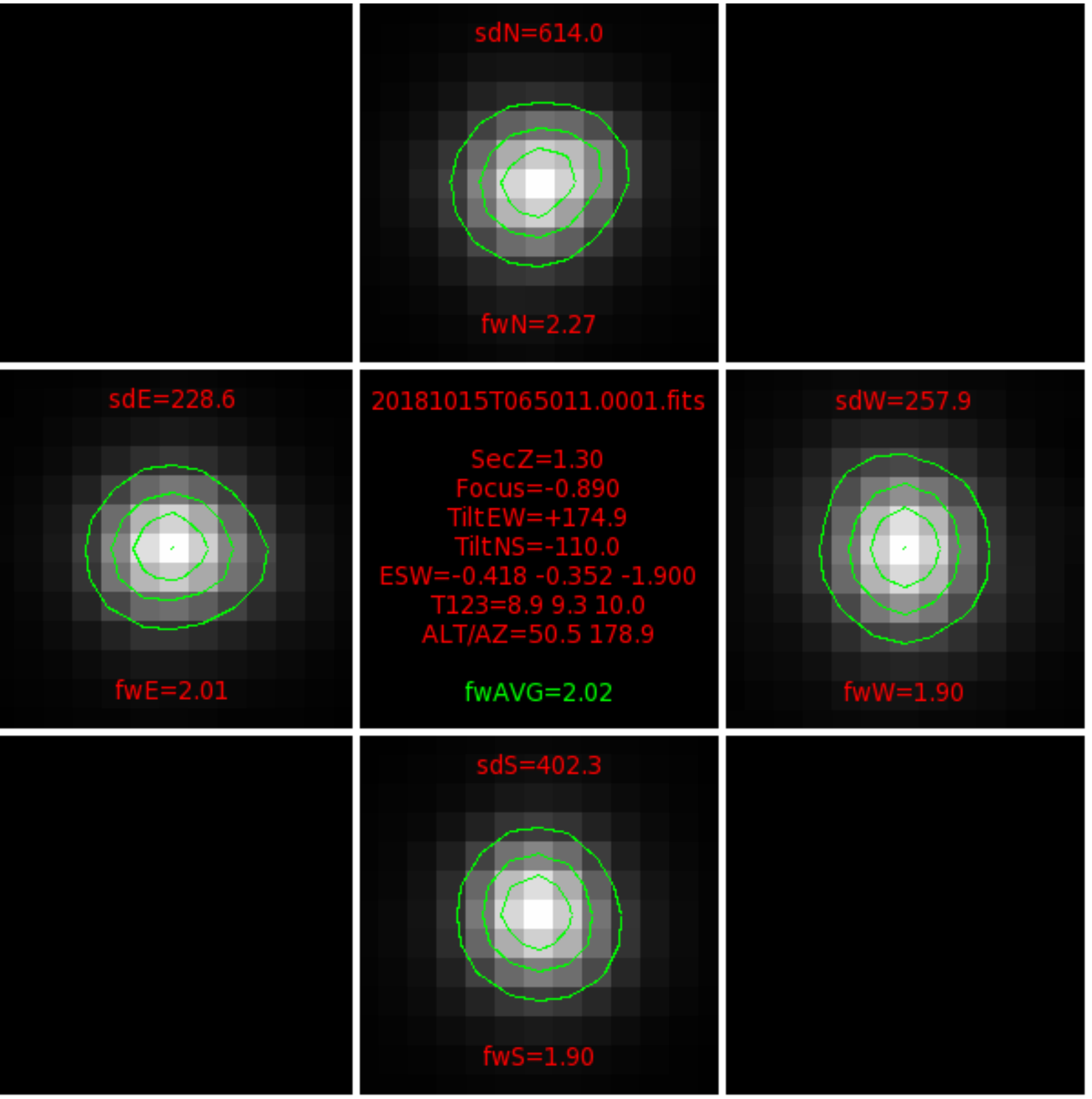
sdN=614.0
fwN=2.27
sdE=228.6
fwE=2.01
20181015T065011.0001.fits
SecZ=1.30
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.3 10.0
ALT/AZ=50.5 178.9
fwAVG=2.02
sdW=257.9
fwW=1.90
sdS=402.3
fwS=1.90
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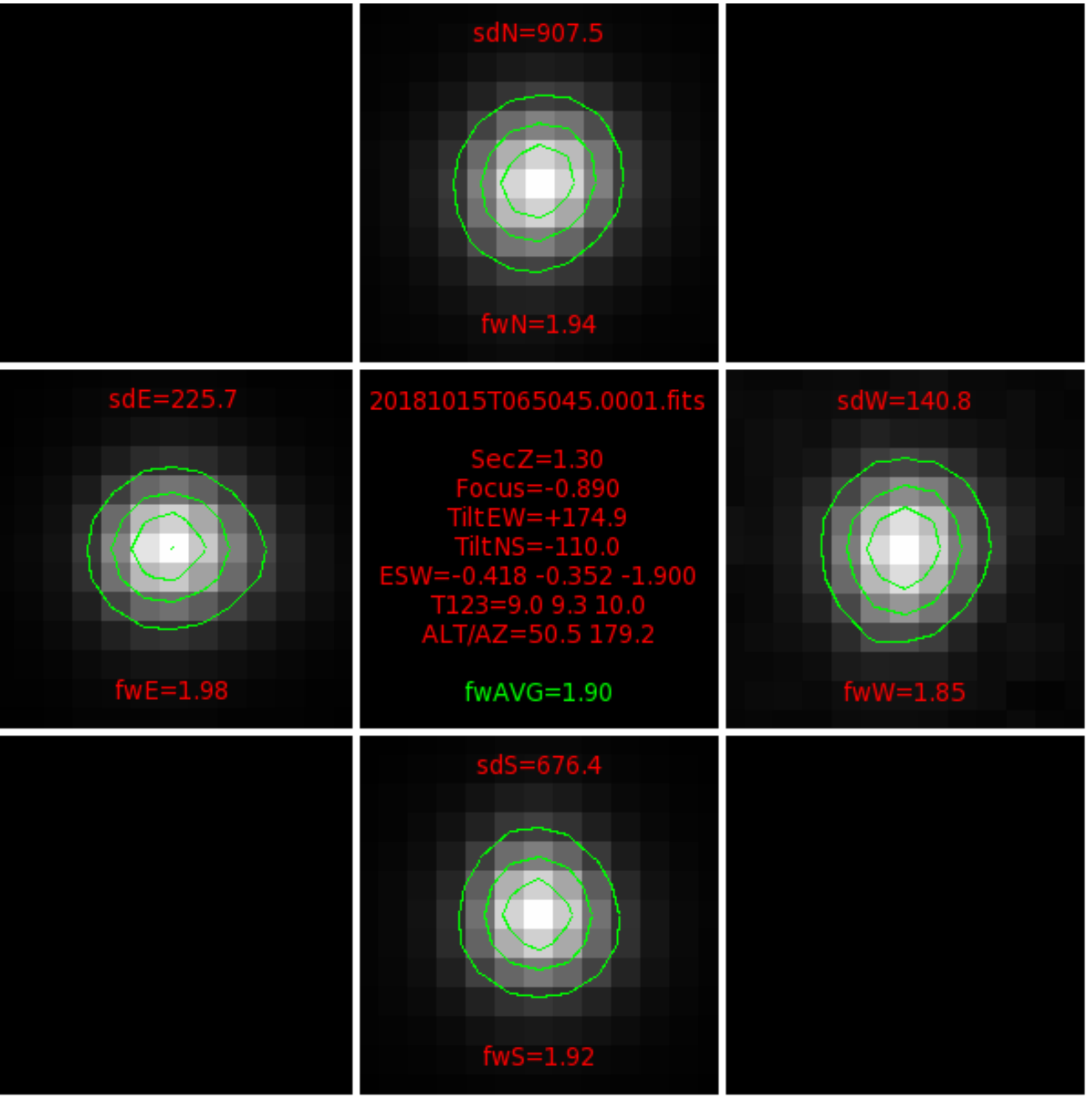
sdN=907.5
fwN=1.94
sdE=225.7
fwE=1.98
20181015T065045.0001.fits
SecZ=1.30
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.3 10.0
ALT/AZ=50.5 179.2
fwAVG=1.90
sdW=140.8
fwW=1.85
sdS=676.4
fwS=1.92
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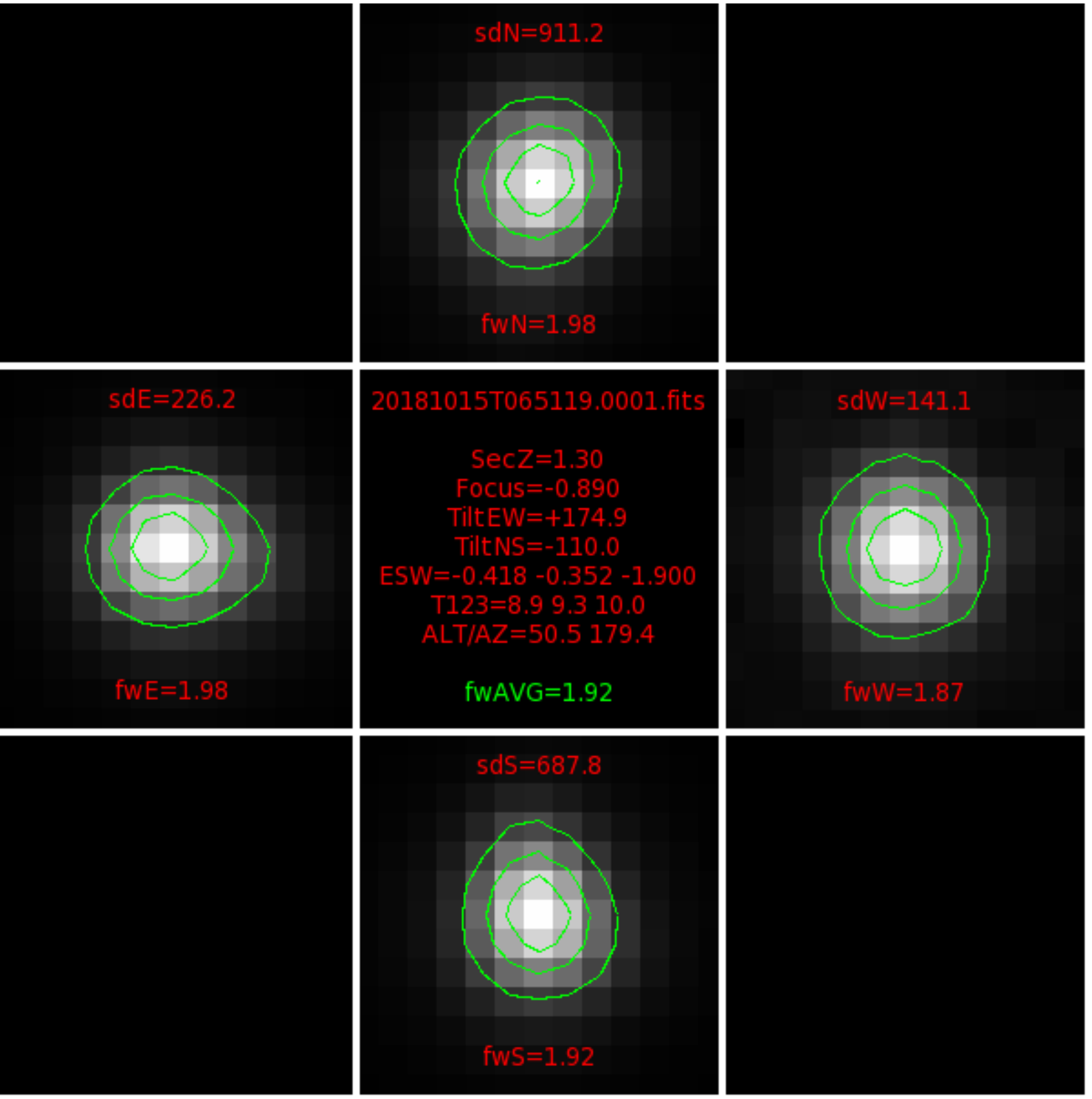
sdN=911.2
fwN=1.98
sdE=226.2
fwE=1.98
20181015T065119.0001.fits
SecZ=1.30
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.3 10.0
ALT/AZ=50.5 179.4
fwAVG=1.92
sdW=141.1
fwW=1.87
sdS=687.8
fwS=1.92
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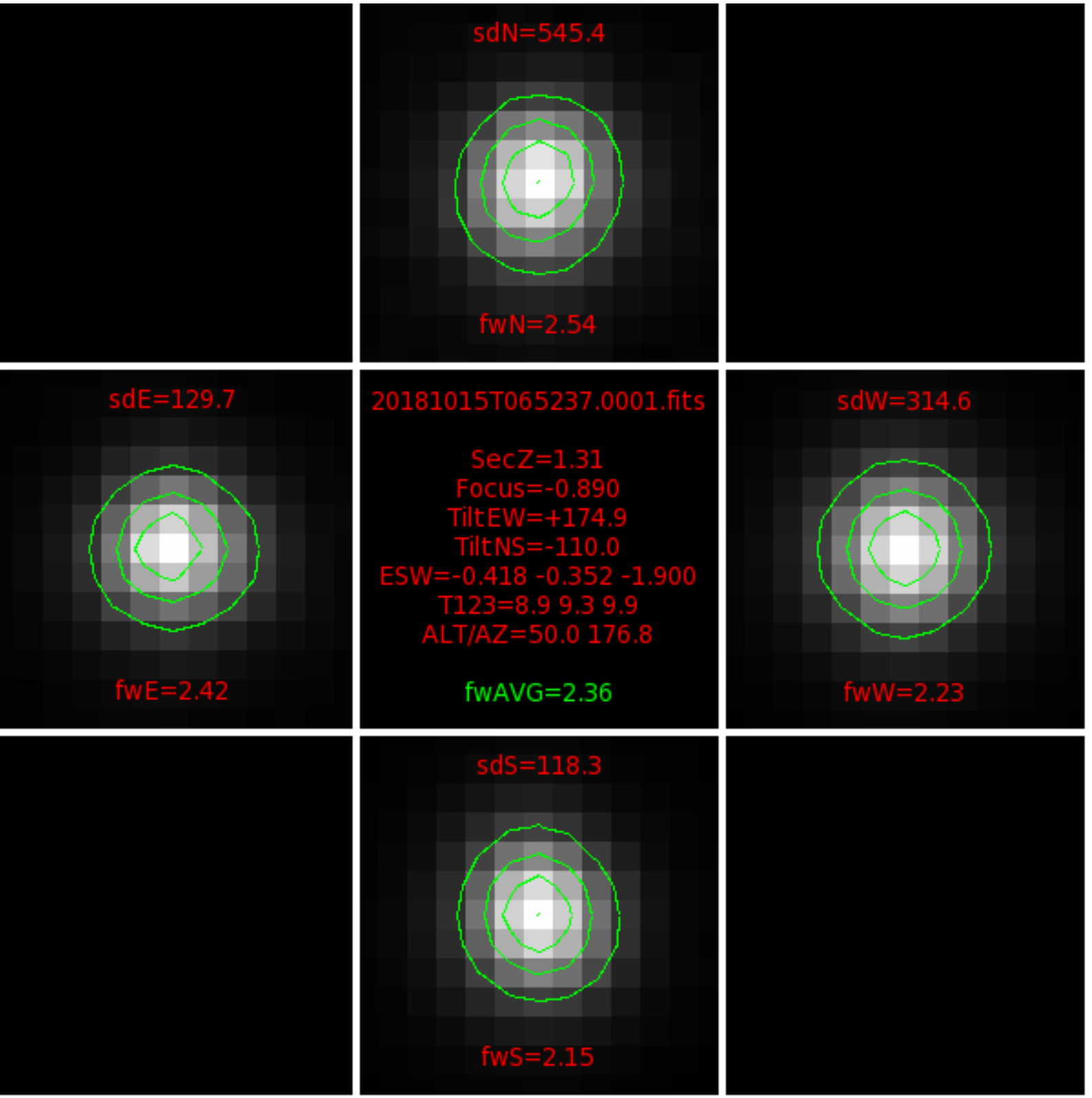
sdN=545.4
fwN=2.54
sdE=129.7
fwE=2.42
20181015T065237.0001.fits
SecZ=1.31
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.3 9.9
ALT/AZ=50.0 176.8
fwAVG=2.36
sdW=314.6
fwW=2.23
sdS=118.3
fwS=2.15
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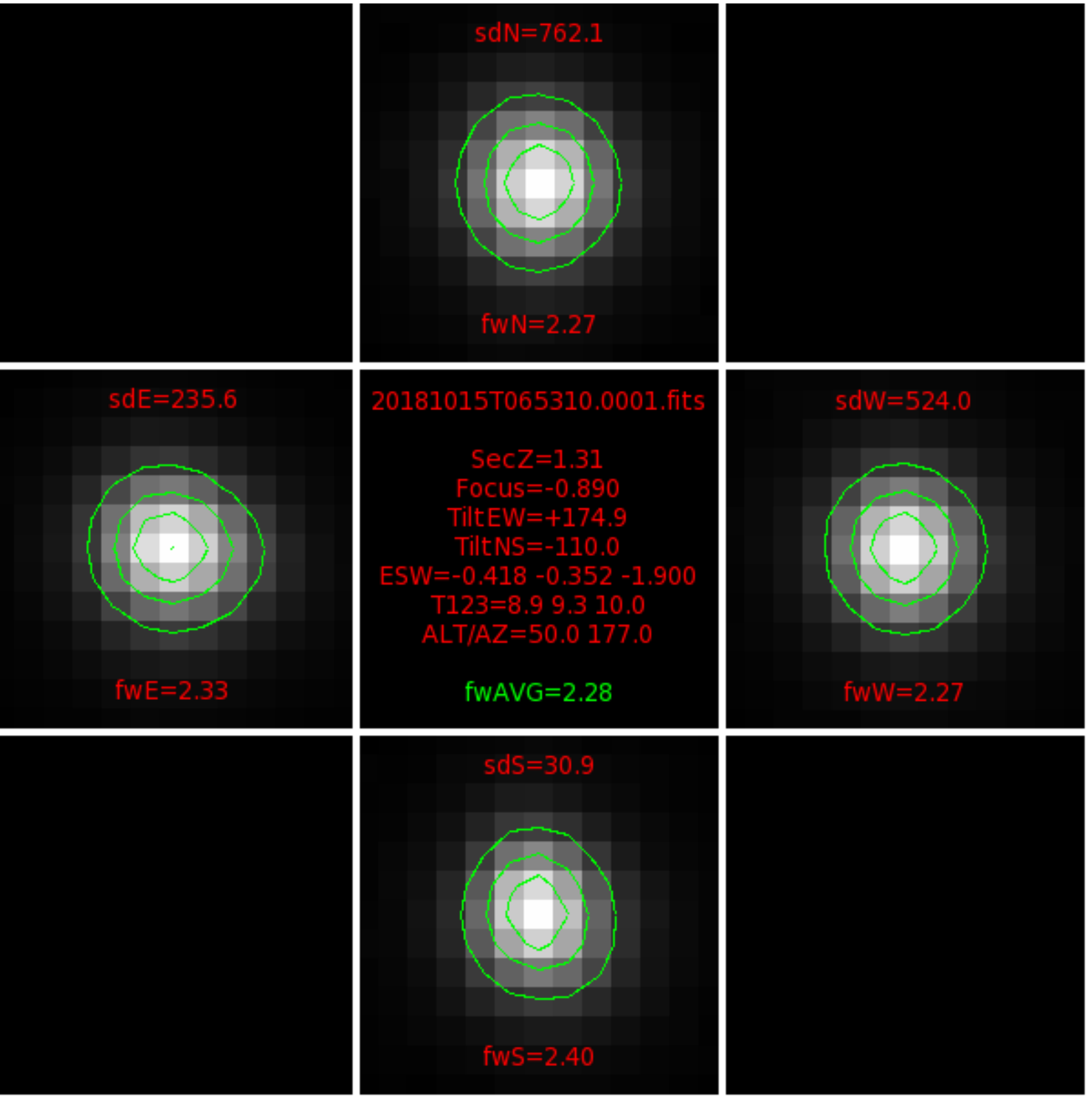
sdN=762.1
fwN=2.27
sdE=235.6
fwE=2.33
20181015T065310.0001.fits
SecZ=1.31
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.3 10.0
ALT/AZ=50.0 177.0
fwAVG=2.28
sdW=524.0
fwW=2.27
sdS=30.9
fwS=2.40
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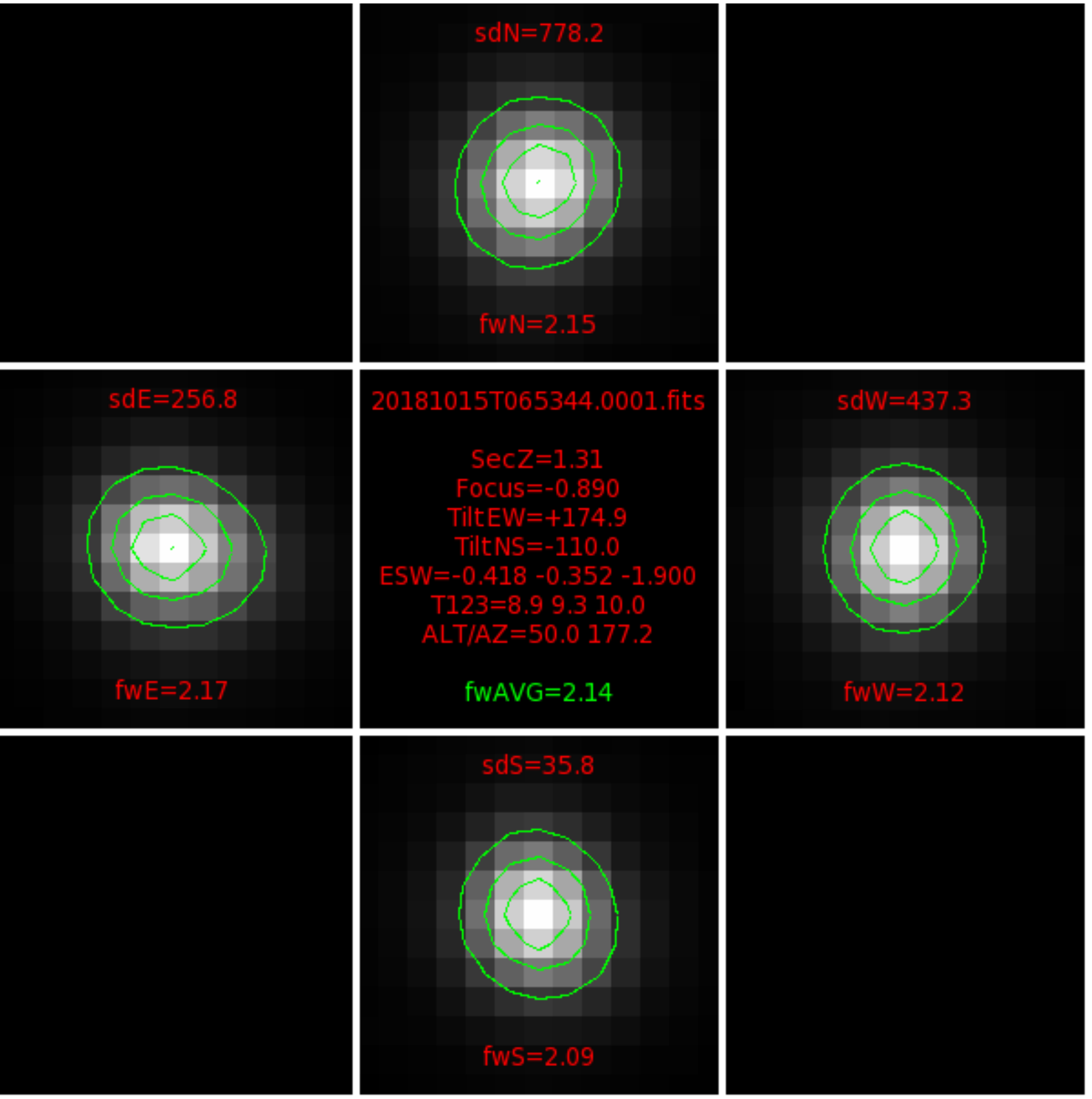
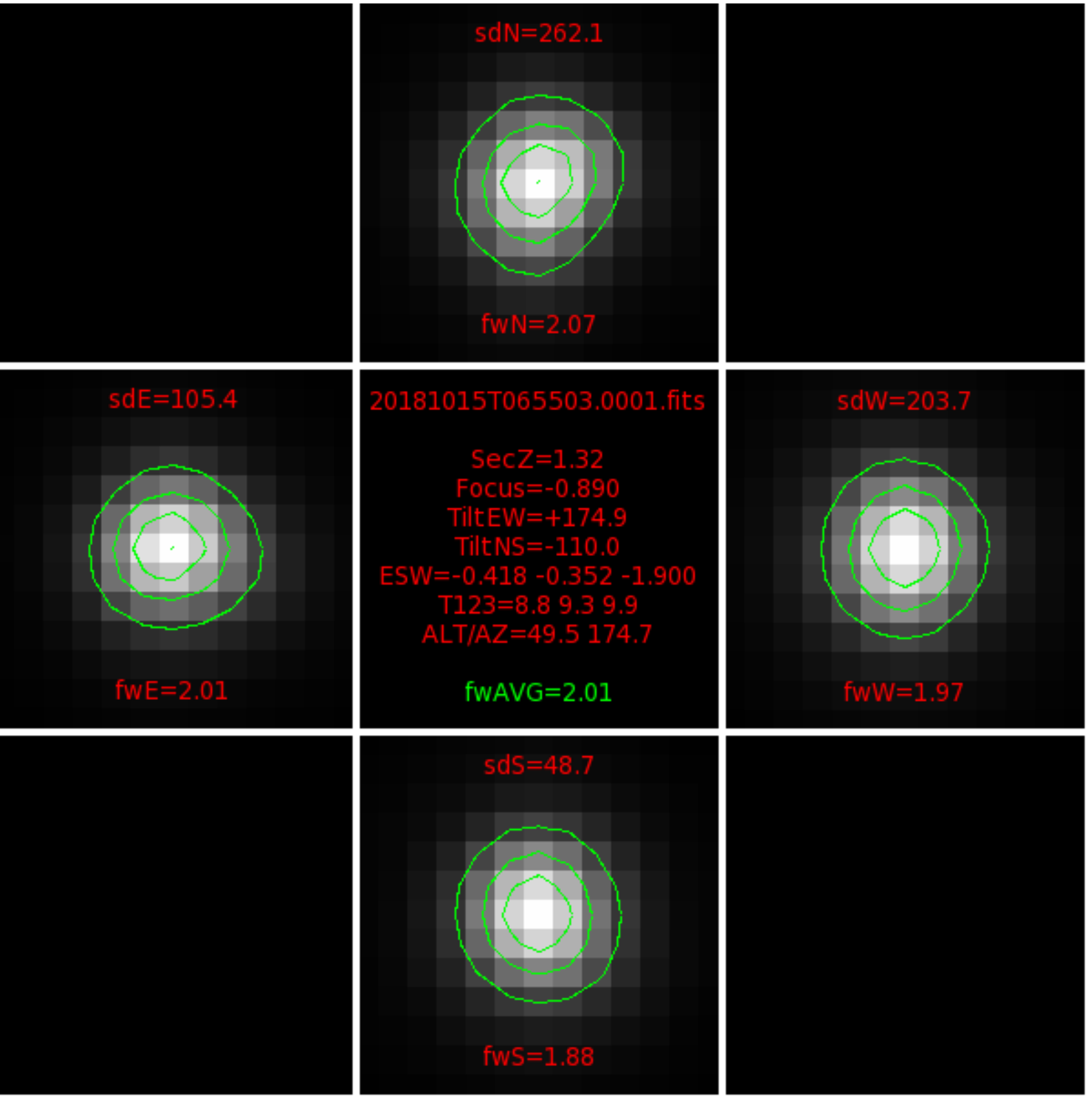
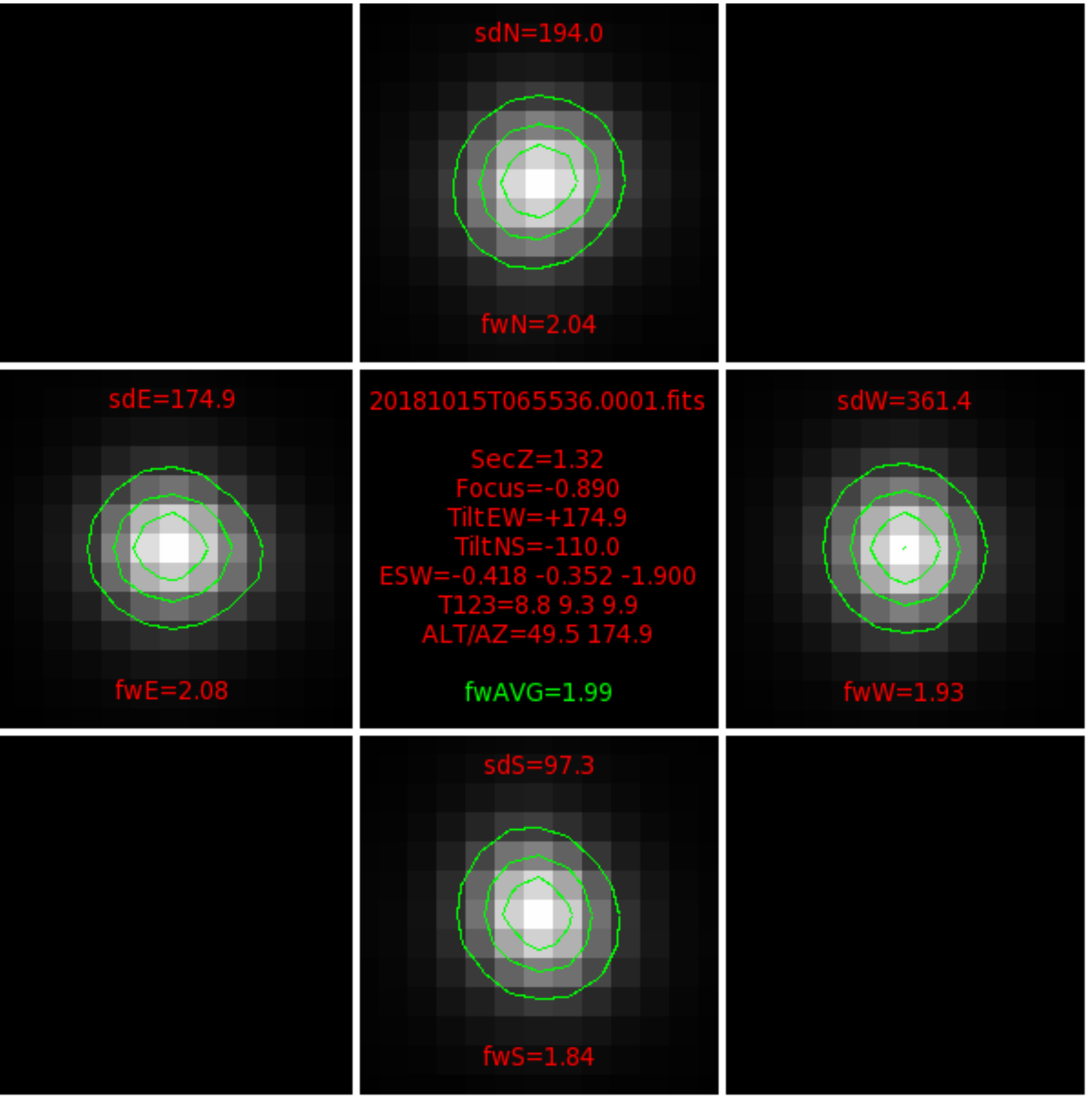
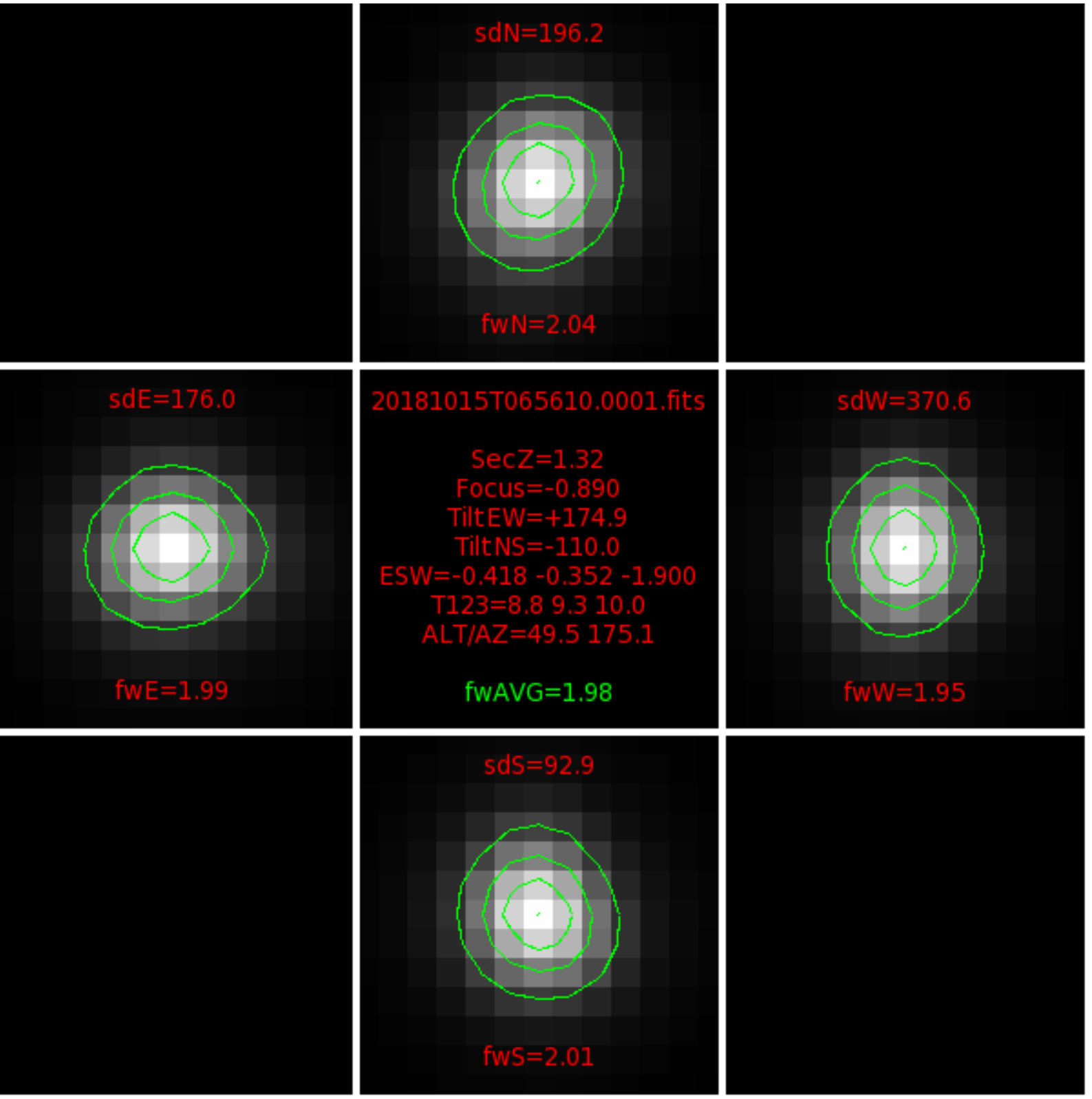

sdN=778.2
fwN=2.15
sdE=256.8
fwE=2.17
20181015T065344.0001.fits
SecZ=1.31
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.3 10.0
ALT/AZ=50.0 177.2
fwAVG=2.14
sdW=437.3
fwW=2.12
sdS=35.8
fwS=2.09
0 0 0 0 0 0 0 0 0


sdN=262.1
fwN=2.07
sdE=105.4
fwE=2.01
20181015T065503.0001.fits
SecZ=1.32
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.8 9.3 9.9
ALT/AZ=49.5 174.7
fwAVG=2.01
sdW=203.7
fwW=1.97
sdS=48.7
fwS=1.88
0 0 0 0 0 0 0 0 0


sdN=194.0
fwN=2.04
sdE=174.9
fwE=2.08
20181015T065536.0001.fits
SecZ=1.32
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.8 9.3 9.9
ALT/AZ=49.5 174.9
fwAVG=1.99
sdW=361.4
fwW=1.93
sdS=97.3
fwS=1.84
0 0 0 0 0 0 0 0 0


sdN=196.2
fwN=2.04
sdE=176.0
fwE=1.99
20181015T065610.0001.fits
SecZ=1.32
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.8 9.3 10.0
ALT/AZ=49.5 175.1
fwAVG=1.98
sdW=370.6
fwW=1.95
sdS=92.9
fwS=2.01
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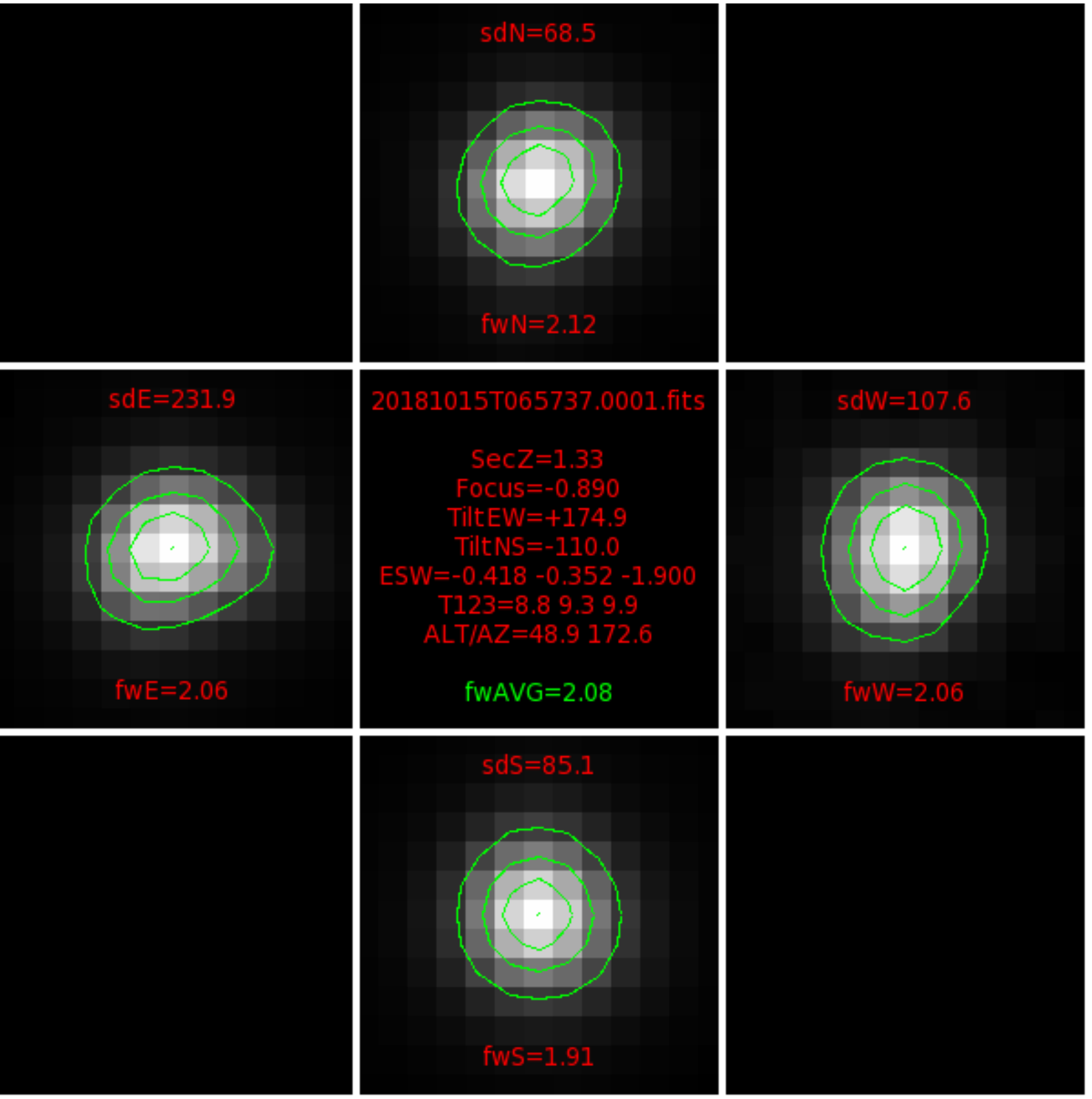
sdN=68.5
fwN=2.12
sdE=231.9
fwE=2.06
20181015T065737.0001.fits
SecZ=1.33
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.8 9.3 9.9
ALT/AZ=48.9 172.6
fwAVG=2.08
sdW=107.6
fwW=2.06
sdS=85.1
fwS=1.91
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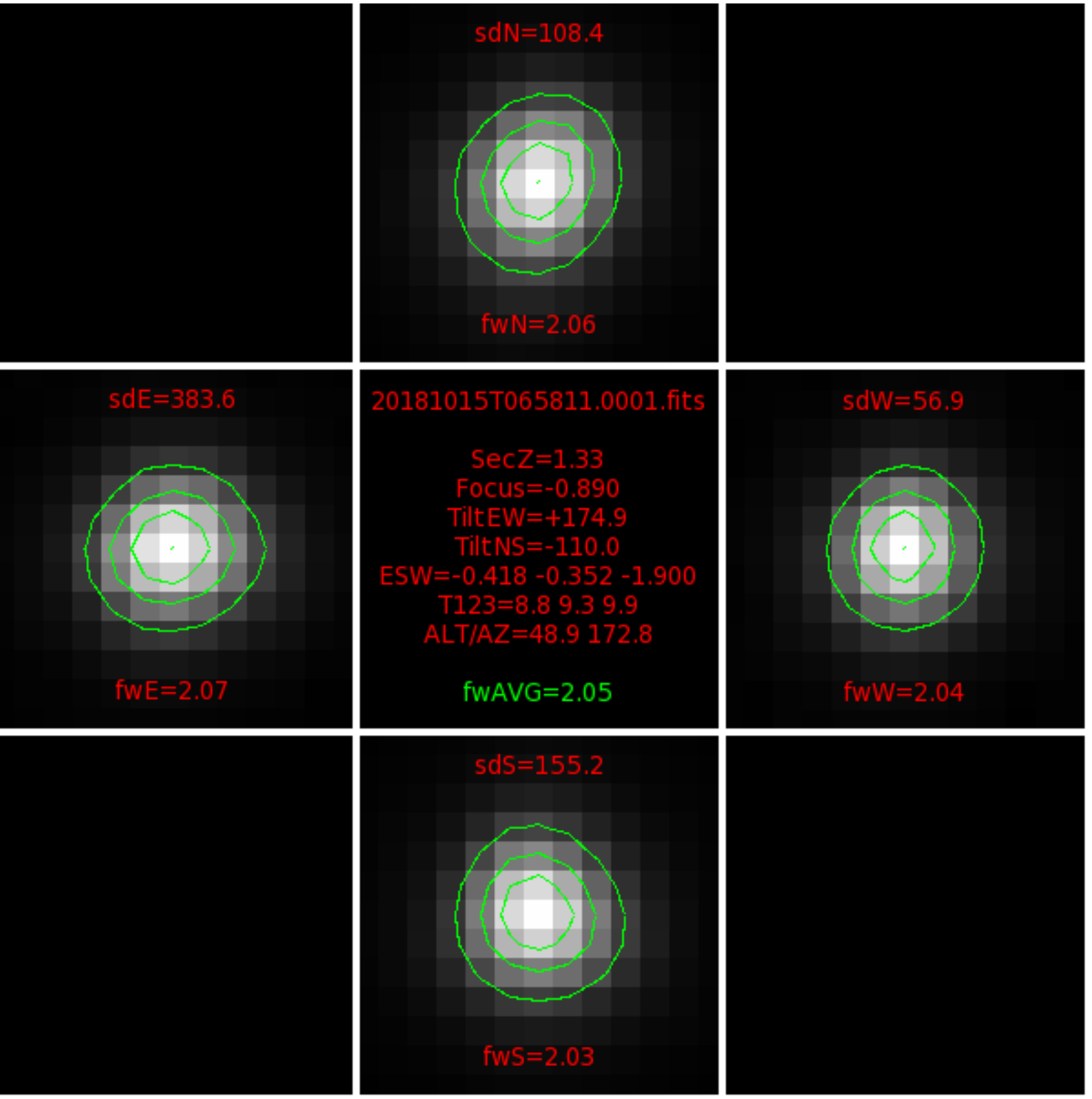
sdN=108.4
fwN=2.06
sdE=383.6
fwE=2.07
20181015T065811.0001.fits
SecZ=1.33
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.8 9.3 9.9
ALT/AZ=48.9 172.8
fwAVG=2.05
sdW=56.9
fwW=2.04
sdS=155.2
fwS=2.03
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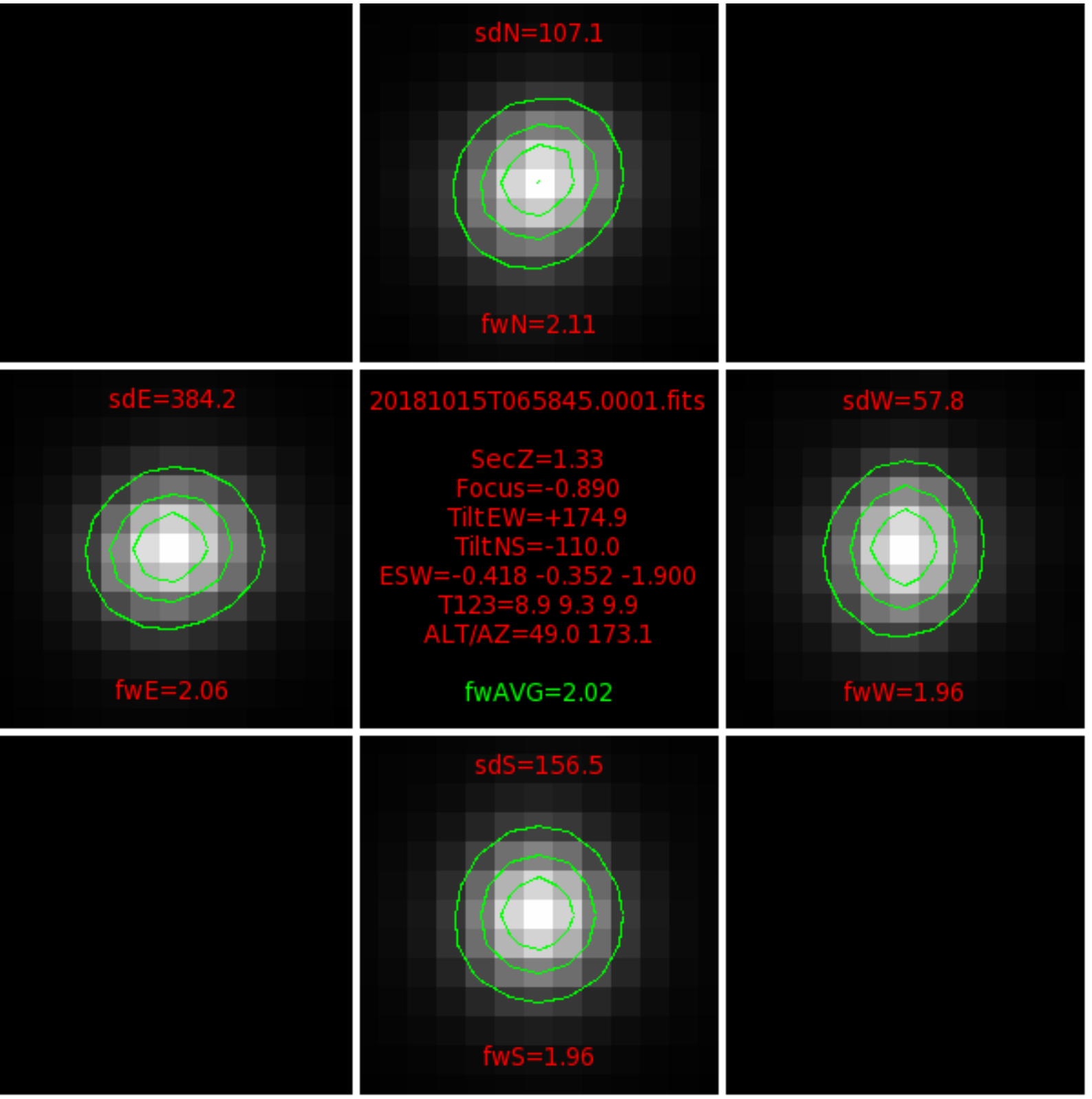
sdN=107.1
fwN=2.11
sdE=384.2
fwE=2.06
20181015T065845.0001.fits
SecZ=1.33
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=8.9 9.3 9.9
ALT/AZ=49.0 173.1
fwAVG=2.02
sdW=57.8
fwW=1.96
sdS=156.5
fwS=1.96
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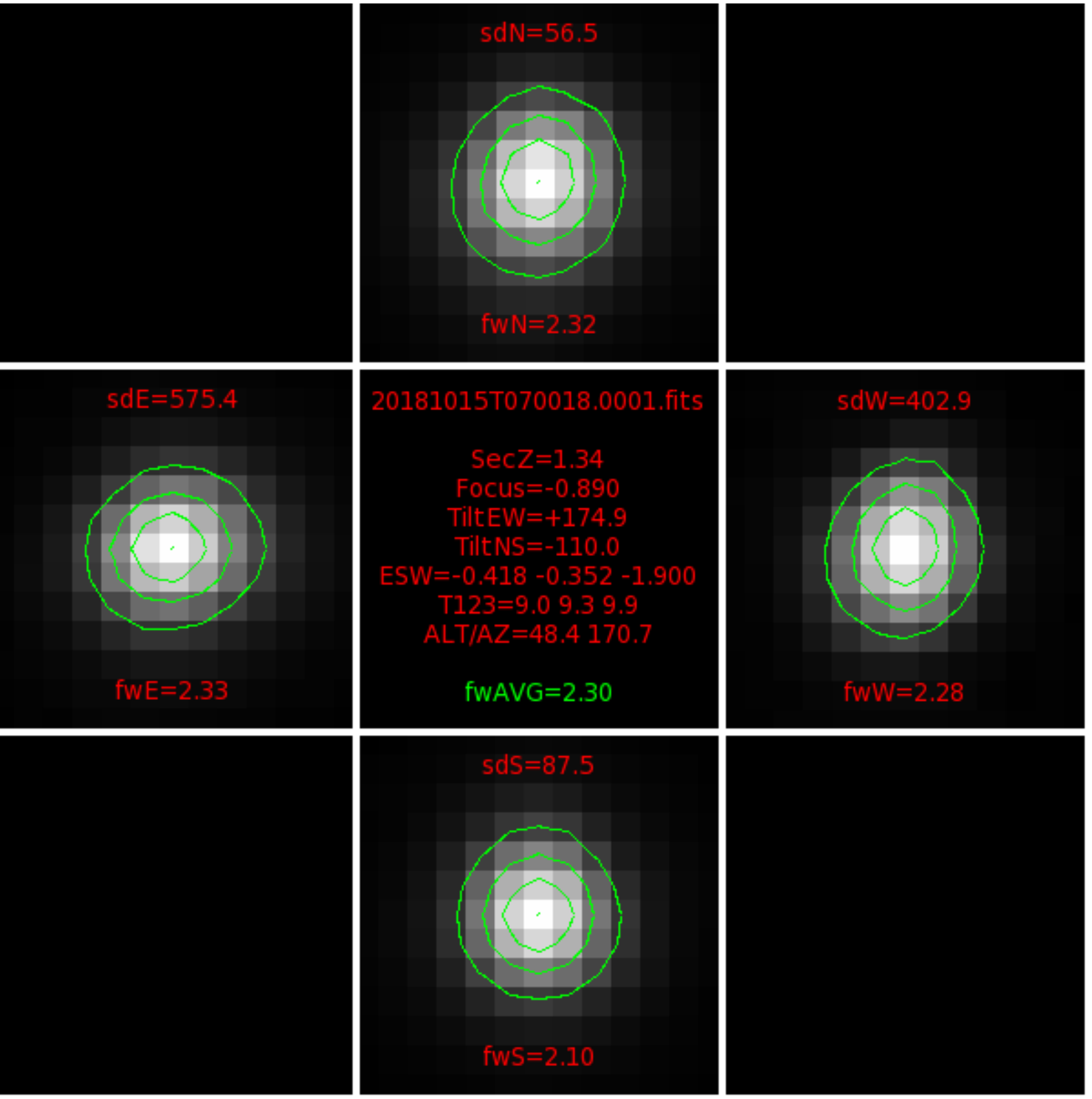
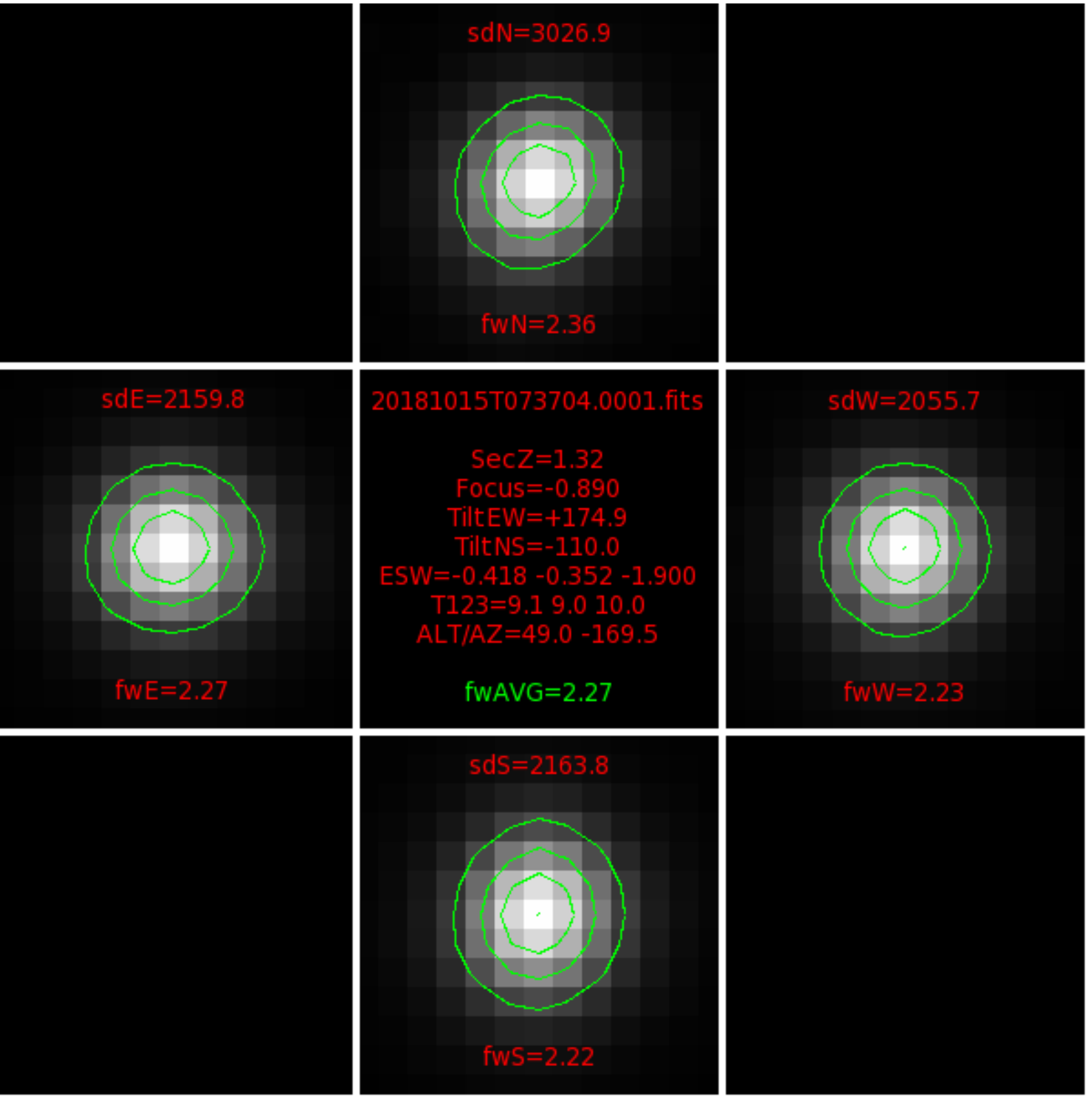

sdN=56.5
fwN=2.32
sdE=575.4
fwE=2.33
20181015T070018.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.0 9.3 9.9
ALT/AZ=48.4 170.7
fwAVG=2.30
sdW=402.9
fwW=2.28
sdS=87.5
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=3026.9
fwN=2.36
sdE=2159.8
fwE=2.27
20181015T073704.0001.fits
SecZ=1.32
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.0 10.0
ALT/AZ=49.0 -169.5
fwAVG=2.27
sdW=2055.7
fwW=2.23
sdS=2163.8
fwS=2.22
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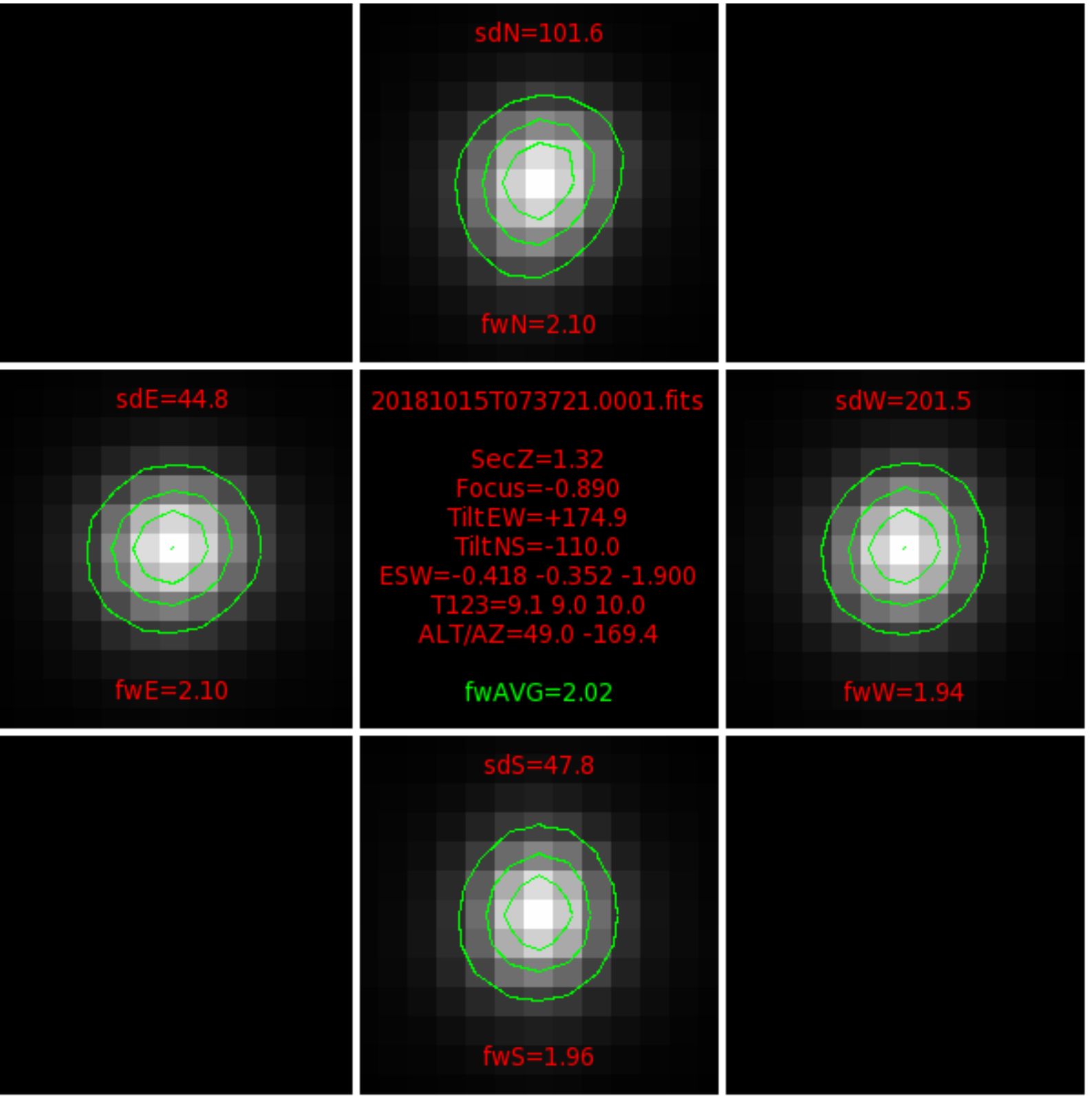
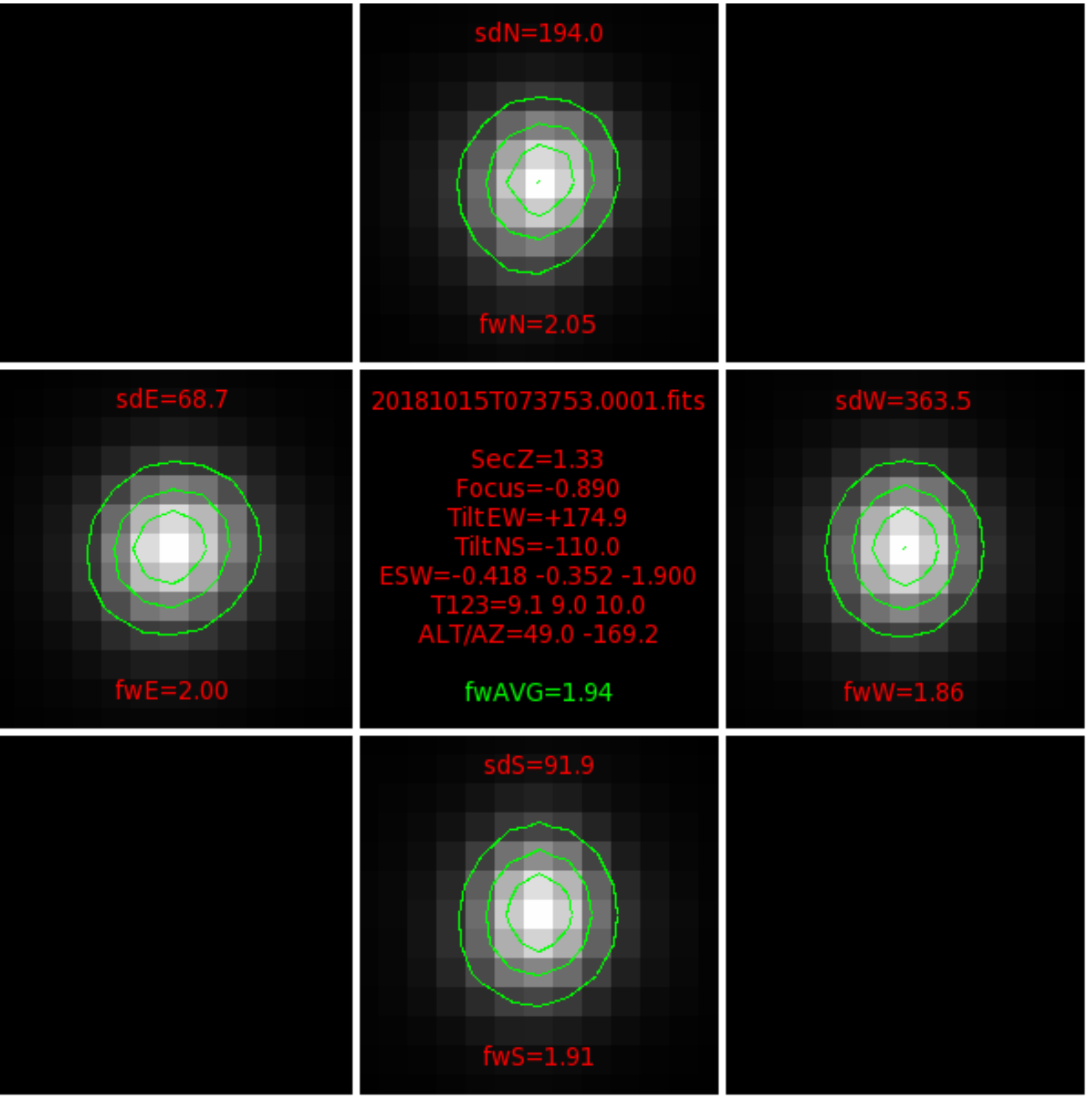
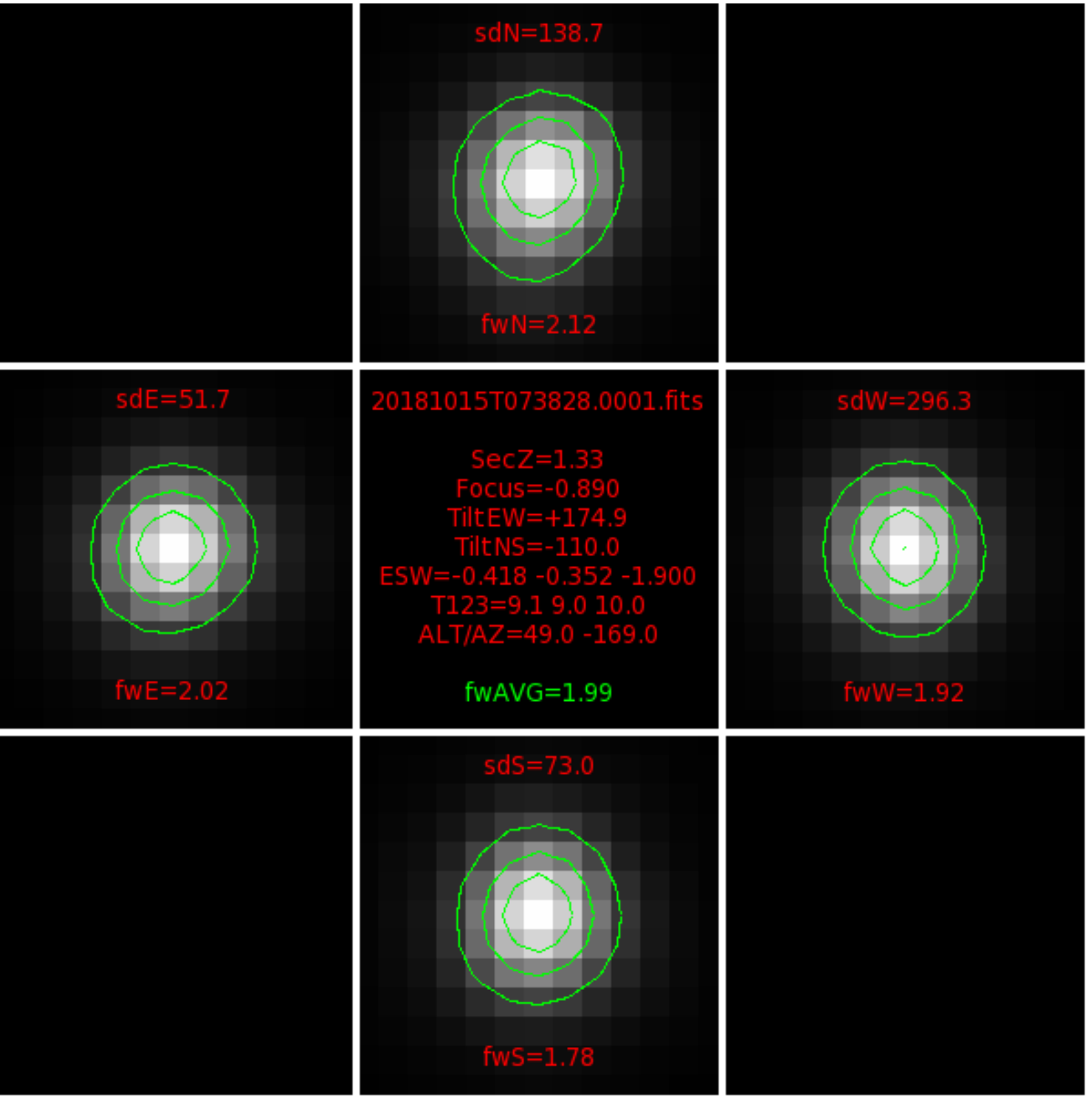
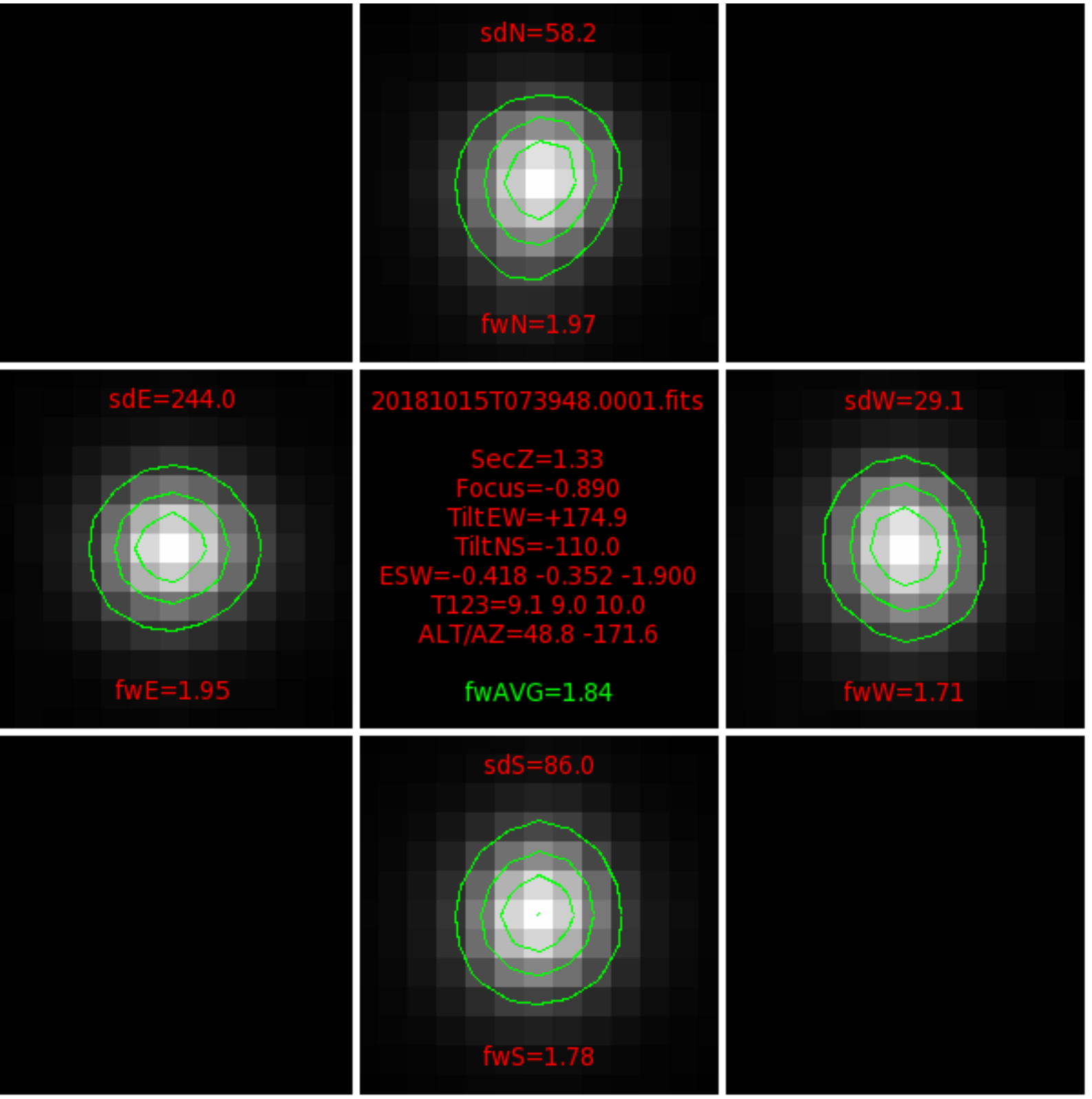
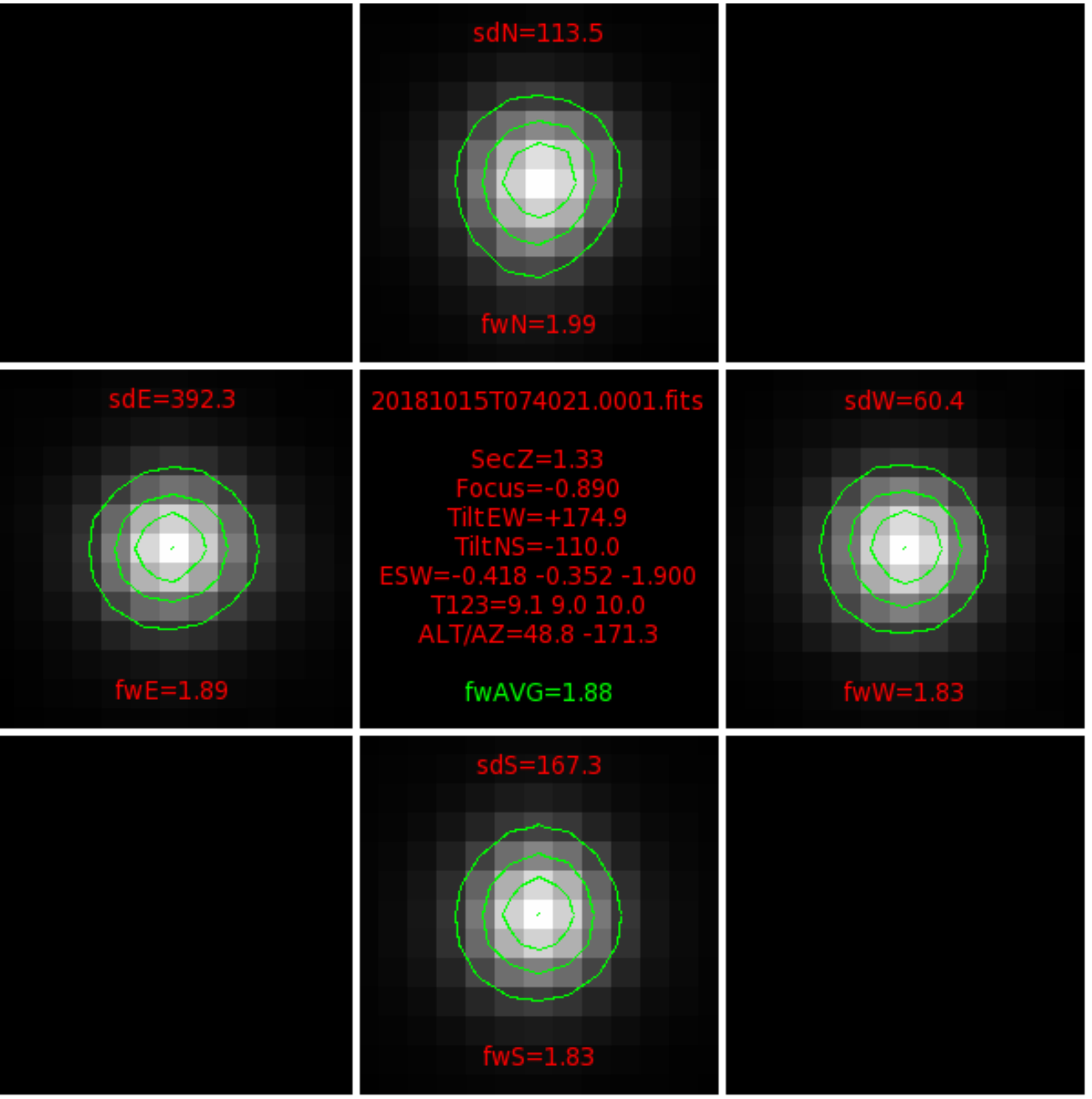

sdN=101.6
fwN=2.10
sdE=44.8
fwE=2.10
20181015T073721.0001.fits
SecZ=1.32
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.0 10.0
ALT/AZ=49.0 -169.4
fwAVG=2.02
sdW=201.5
fwW=1.94
sdS=47.8
fwS=1.96
0 0 0 0 0 0 0 0 0


sdN=194.0
fwN=2.05
sdE=68.7
fwE=2.00
20181015T073753.0001.fits
SecZ=1.33
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.0 10.0
ALT/AZ=49.0 -169.2
fwAVG=1.94
sdW=363.5
fwW=1.86
sdS=91.9
fwS=1.91
0 0 0 0 0 0 0 0 0


sdN=138.7
fwN=2.12
sdE=51.7
fwE=2.02
20181015T073828.0001.fits
SecZ=1.33
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.0 10.0
ALT/AZ=49.0 -169.0
fwAVG=1.99
sdW=296.3
fwW=1.92
sdS=73.0
fwS=1.78
0 0 0 0 0 0 0 0 0


sdN=58.2
fwN=1.97
sdE=244.0
fwE=1.95
20181015T073948.0001.fits
SecZ=1.33
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.0 10.0
ALT/AZ=48.8 -171.6
fwAVG=1.84
sdW=29.1
fwW=1.71
sdS=86.0
fwS=1.78
0 0 0 0 0 0 0 0 0


sdN=113.5
fwN=1.99
sdE=392.3
fwE=1.89
20181015T074021.0001.fits
SecZ=1.33
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.0 10.0
ALT/AZ=48.8 -171.3
fwAVG=1.88
sdW=60.4
fwW=1.83
sdS=167.3
fwS=1.83
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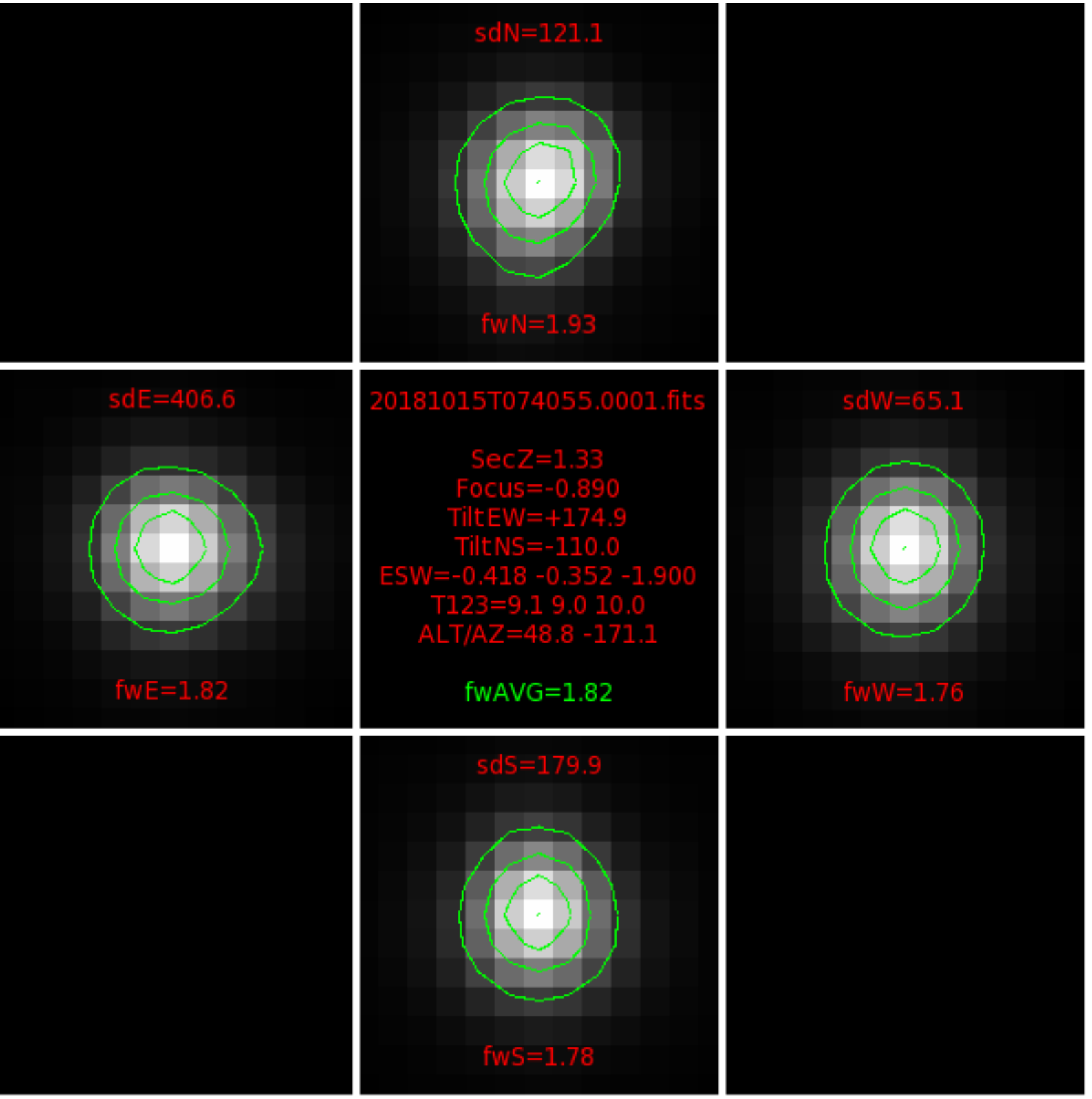
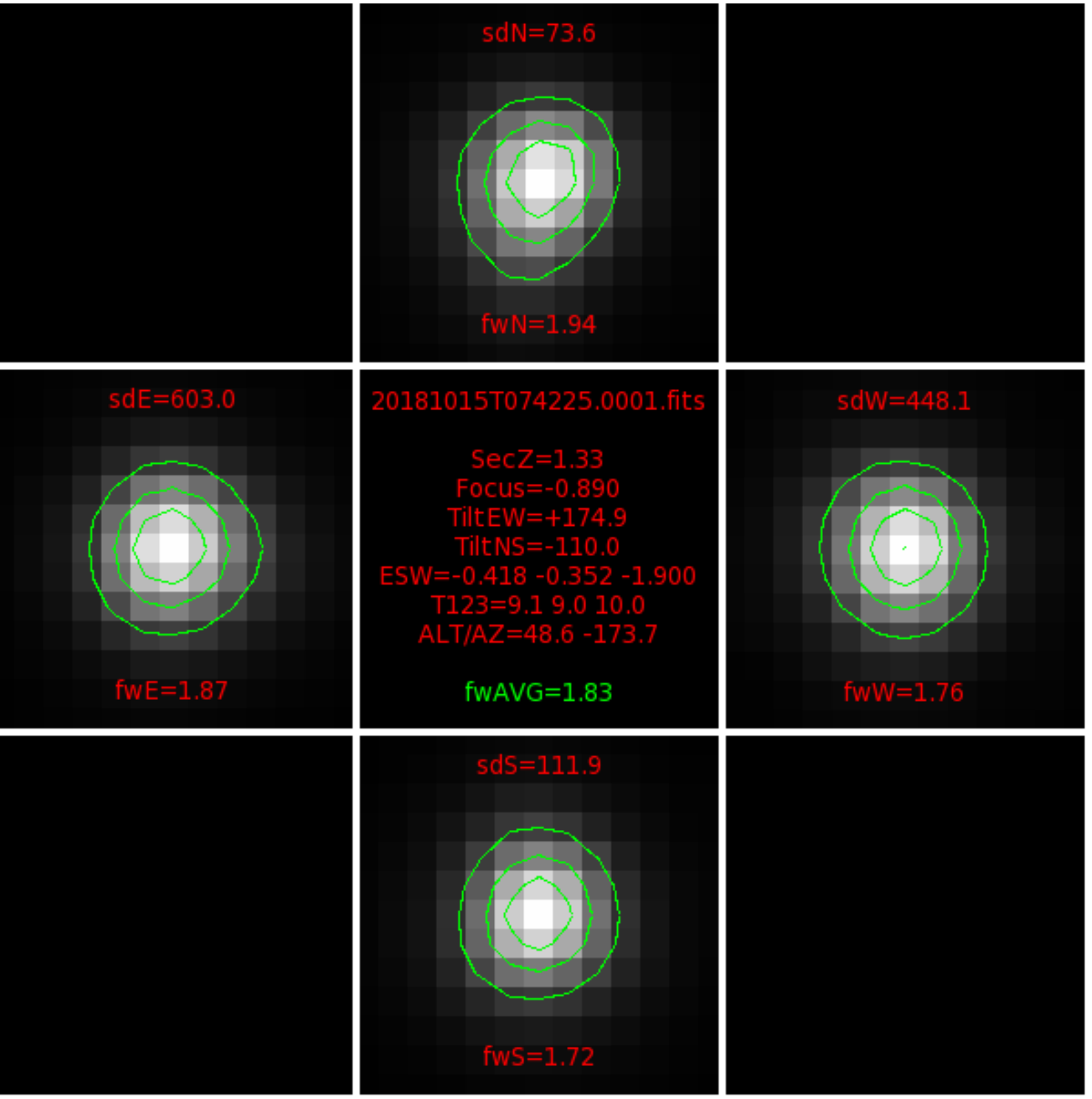

sdN=121.1
fwN=1.93
sdE=406.6
fwE=1.82
20181015T074055.0001.fits
SecZ=1.33
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.0 10.0
ALT/AZ=48.8 -171.1
fwAVG=1.82
sdW=65.1
fwW=1.76
sdS=179.9
fwS=1.78
0 0 0 0 0 0 0 0 0


sdN=73.6
fwN=1.94
sdE=603.0
fwE=1.87
20181015T074225.0001.fits
SecZ=1.33
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.0 10.0
ALT/AZ=48.6 -173.7
fwAVG=1.83
sdW=448.1
fwW=1.76
sdS=111.9
fwS=1.72
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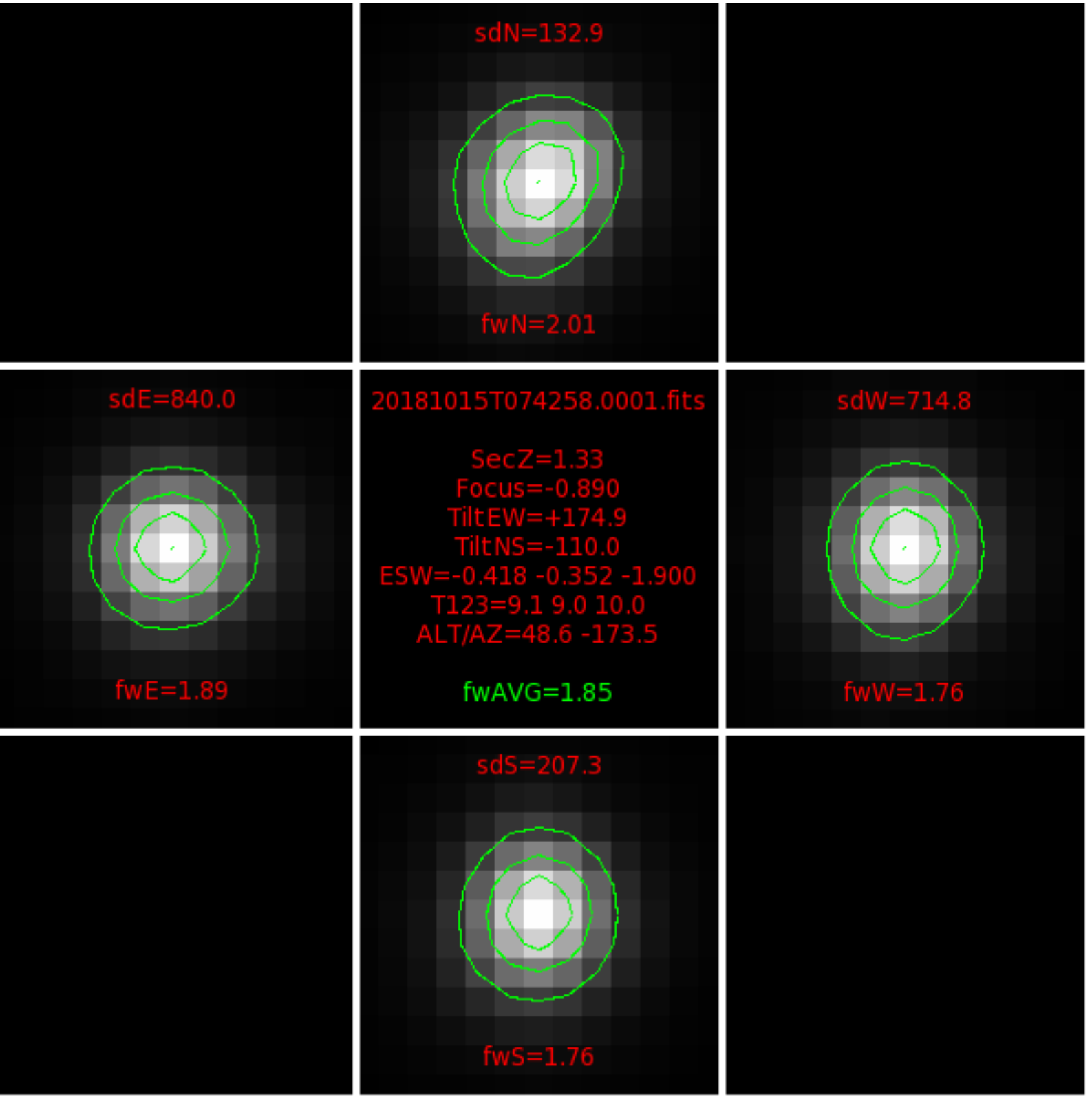
sdN=132.9
fwN=2.01
sdE=840.0
fwE=1.89
20181015T074258.0001.fits
SecZ=1.33
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.0 10.0
ALT/AZ=48.6 -173.5
fwAVG=1.85
sdW=714.8
fwW=1.76
sdS=207.3
fwS=1.76
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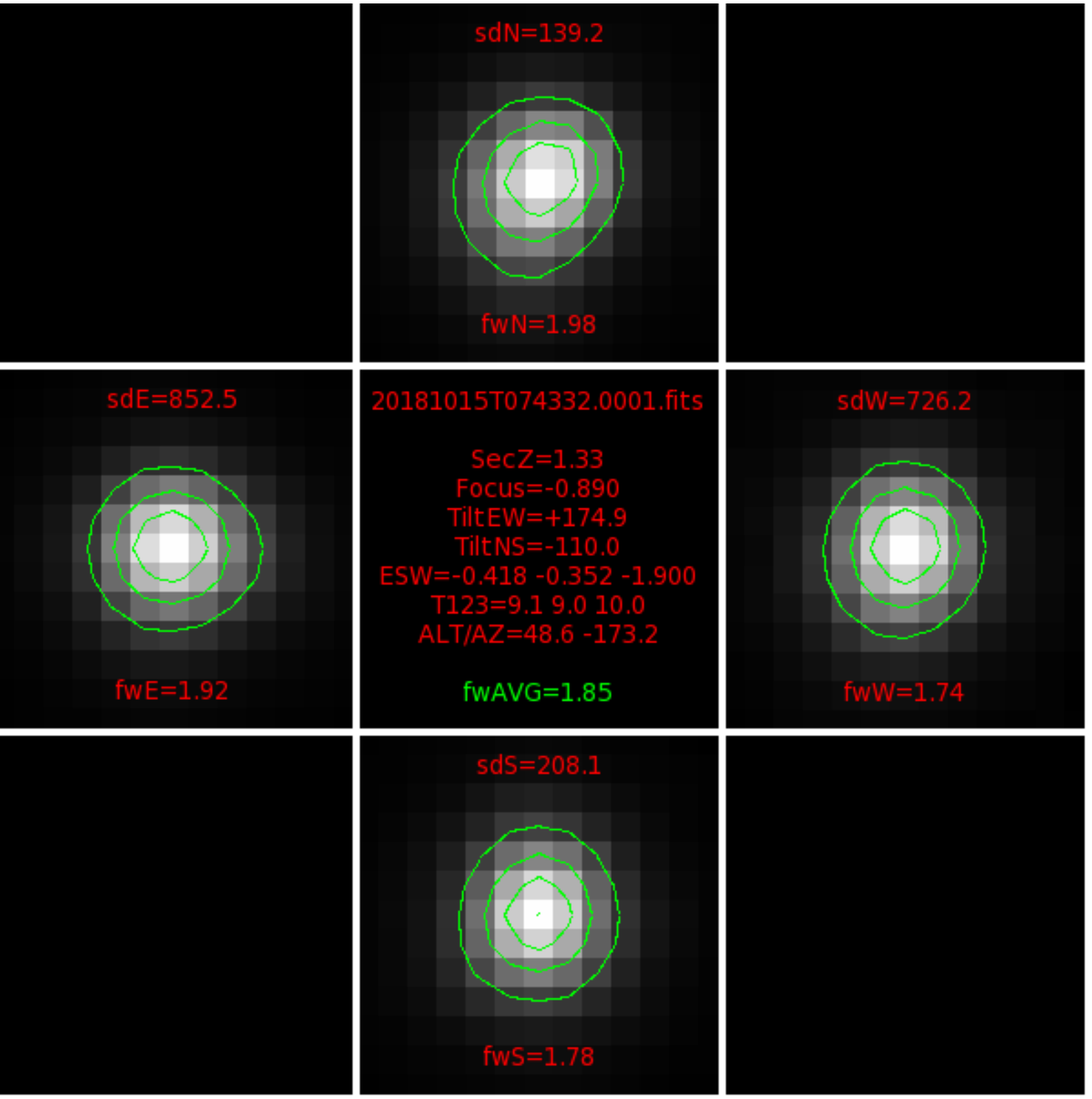
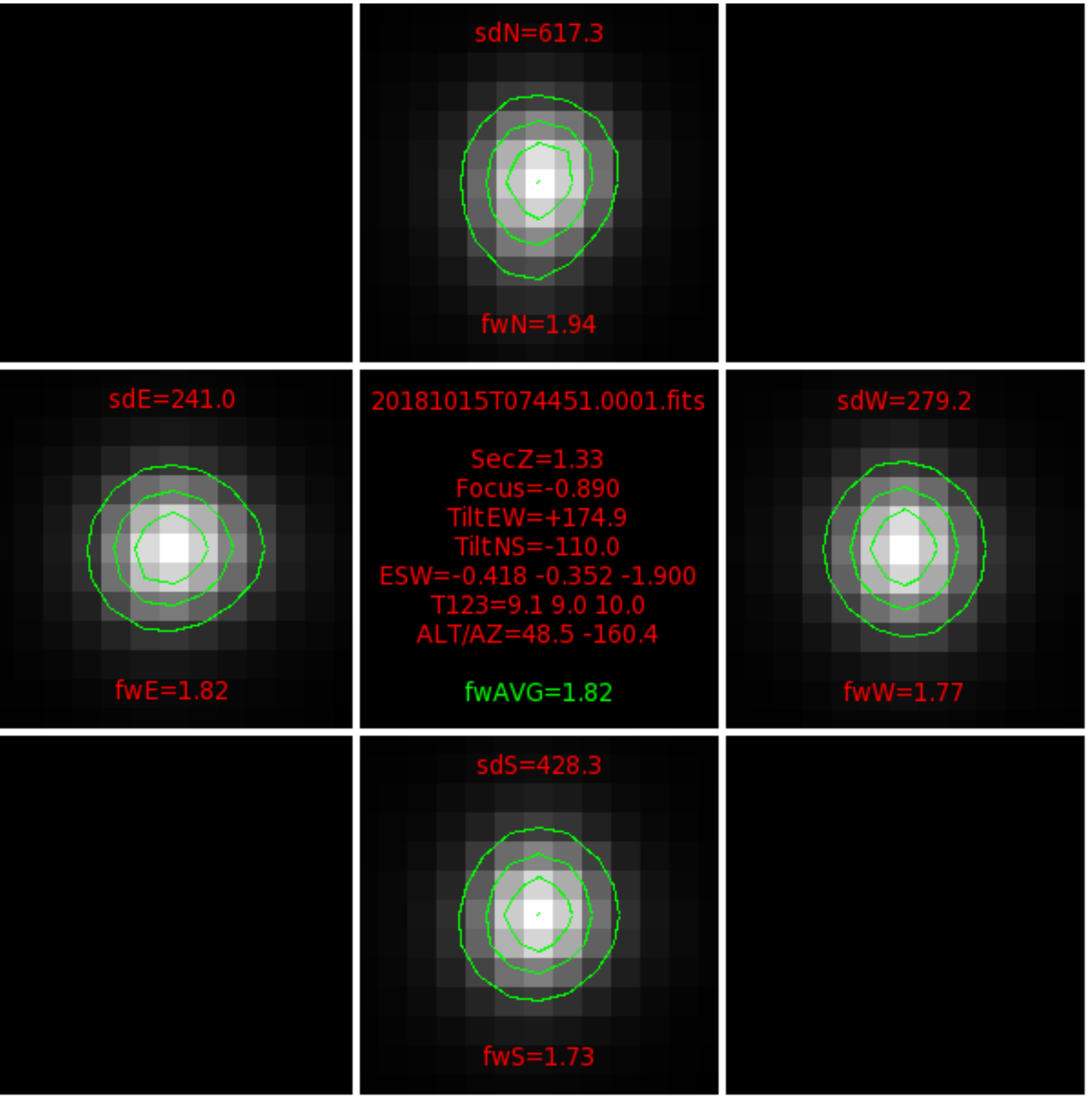
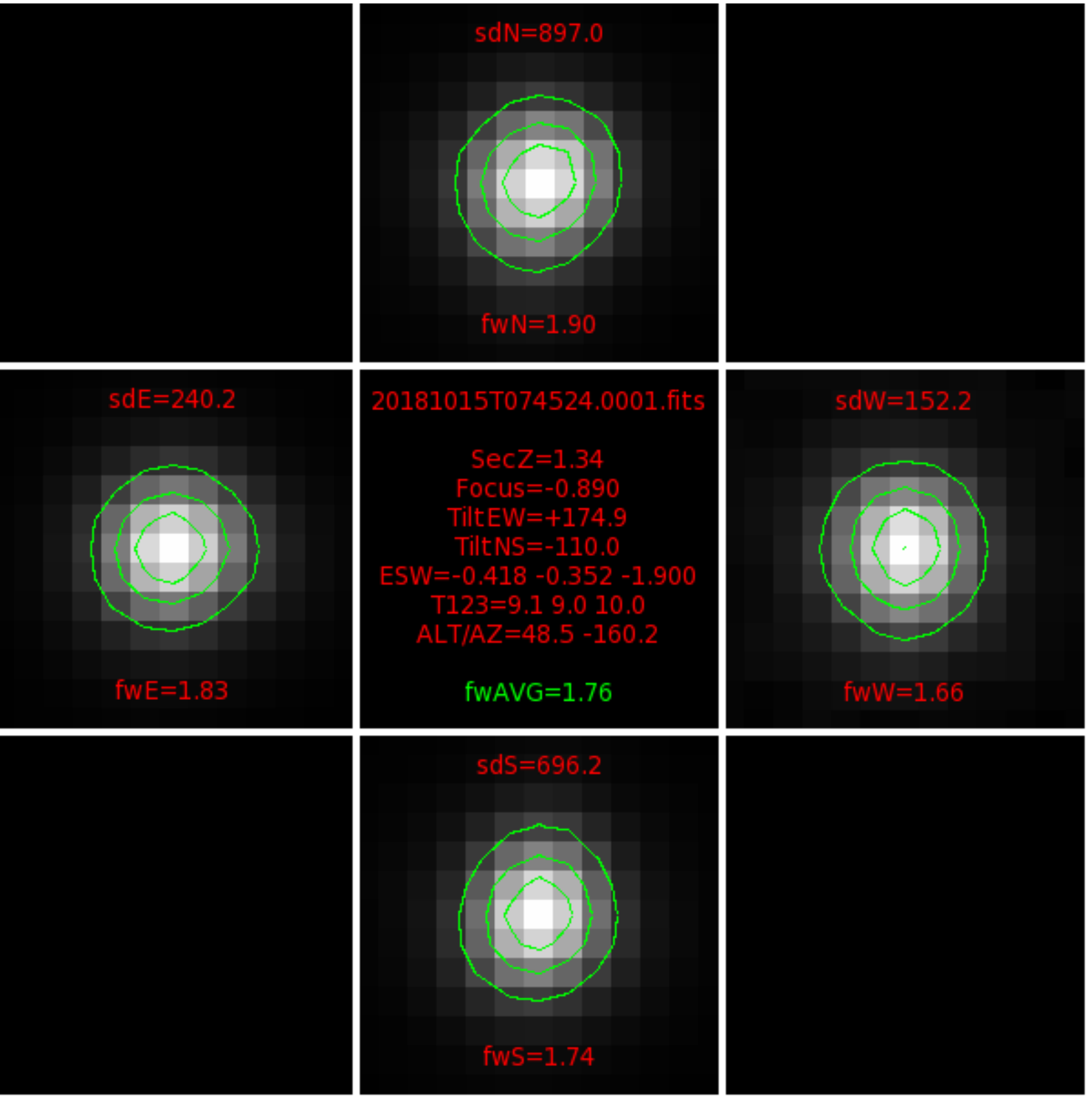

sdN=139.2
fwN=1.98
sdE=852.5
fwE=1.92
20181015T074332.0001.fits
SecZ=1.33
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.0 10.0
ALT/AZ=48.6 -173.2
fwAVG=1.85
sdW=726.2
fwW=1.74
sdS=208.1
fwS=1.78
0 0 0 0 0 0 0 0 0


sdN=617.3
fwN=1.94
sdE=241.0
fwE=1.82
20181015T074451.0001.fits
SecZ=1.33
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.0 10.0
ALT/AZ=48.5 -160.4
fwAVG=1.82
sdW=279.2
fwW=1.77
sdS=428.3
fwS=1.73
0 0 0 0 0 0 0 0 0


sdN=897.0
fwN=1.90
sdE=240.2
fwE=1.83
20181015T074524.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.0 10.0
ALT/AZ=48.5 -160.2
fwAVG=1.76
sdW=152.2
fwW=1.66
sdS=696.2
fwS=1.74
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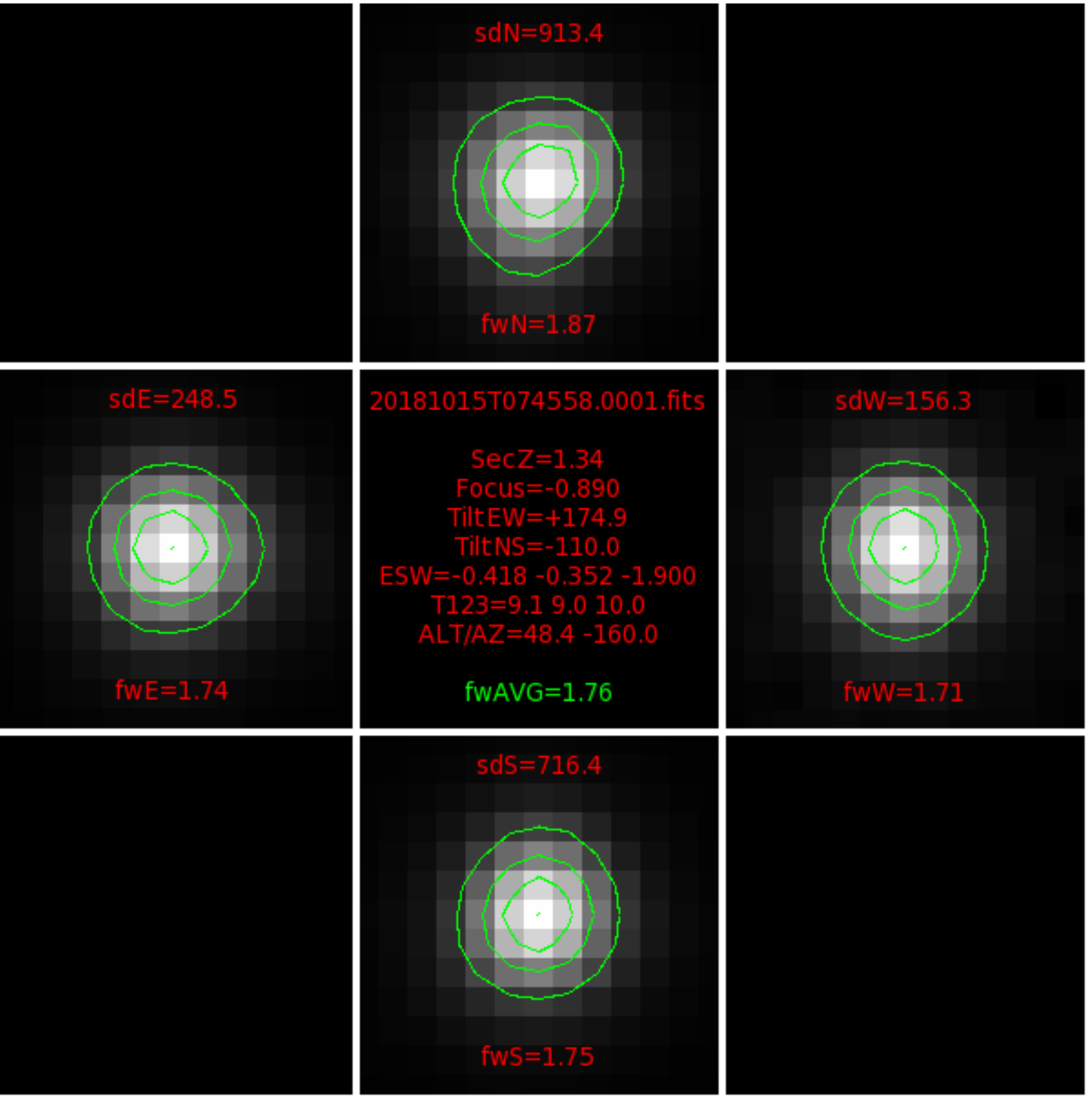
sdN=913.4
fwN=1.87
sdE=248.5
fwE=1.74
20181015T074558.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.0 10.0
ALT/AZ=48.4 -160.0
fwAVG=1.76
sdW=156.3
fwW=1.71
sdS=716.4
fwS=1.75
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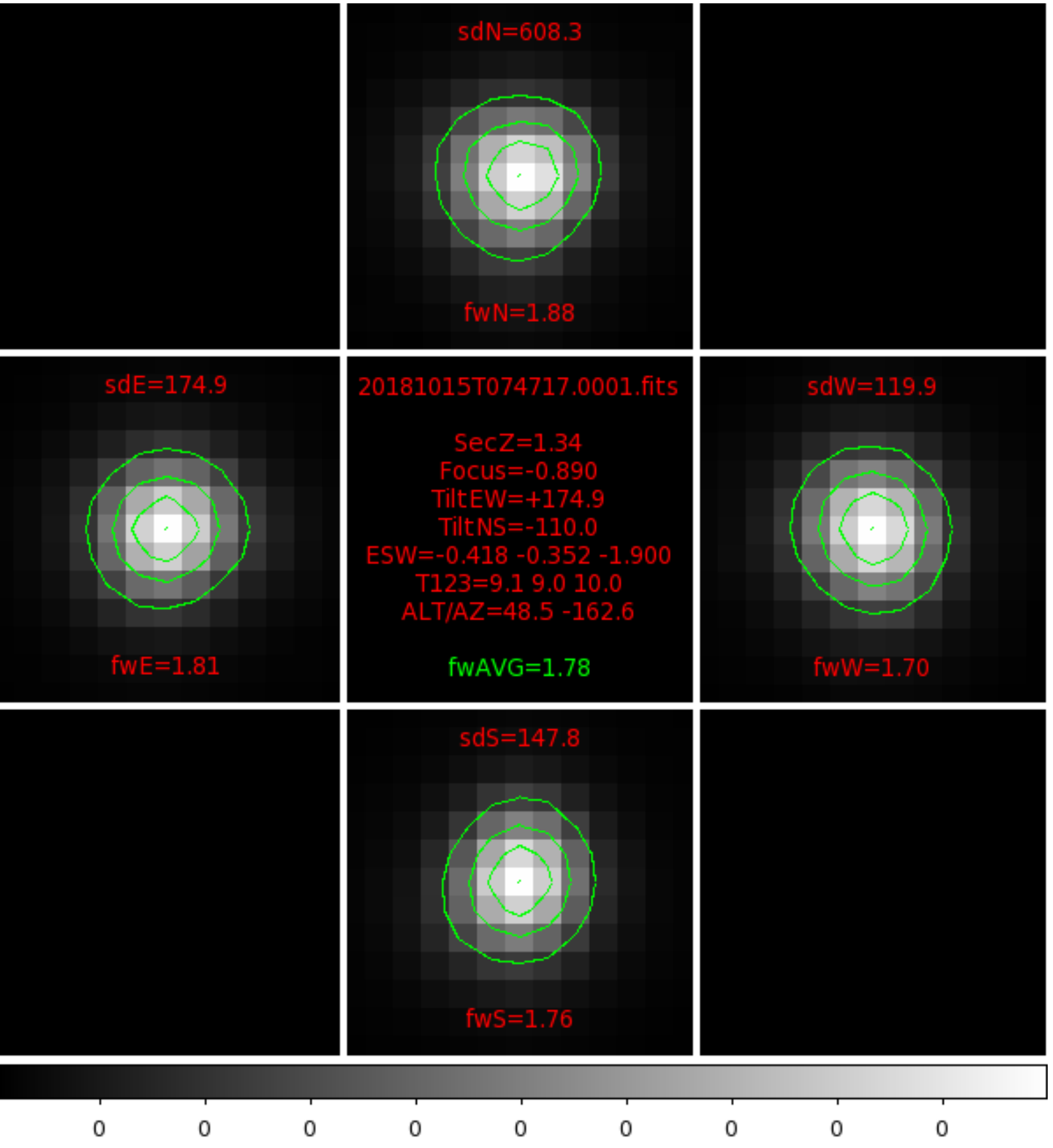
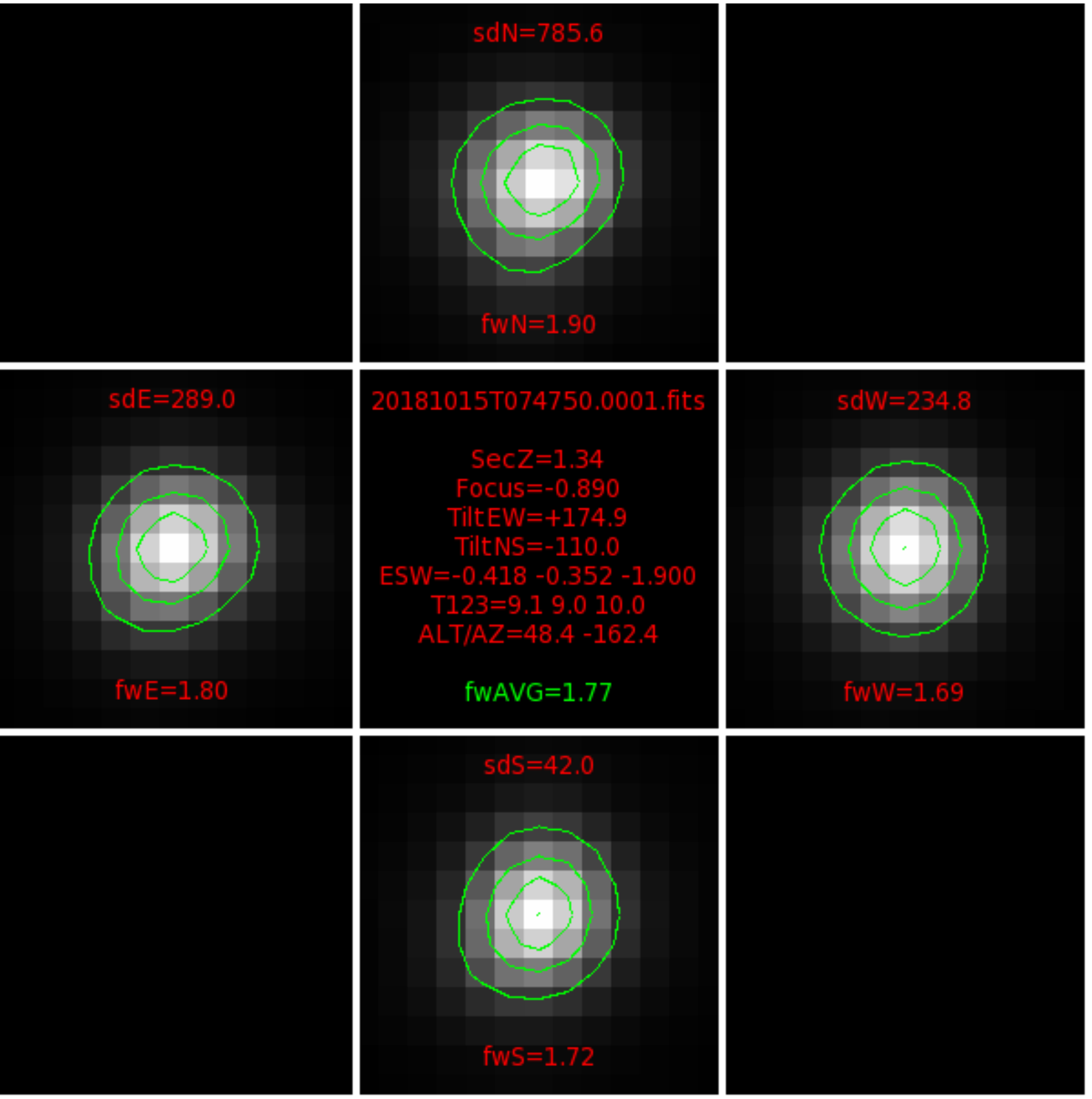
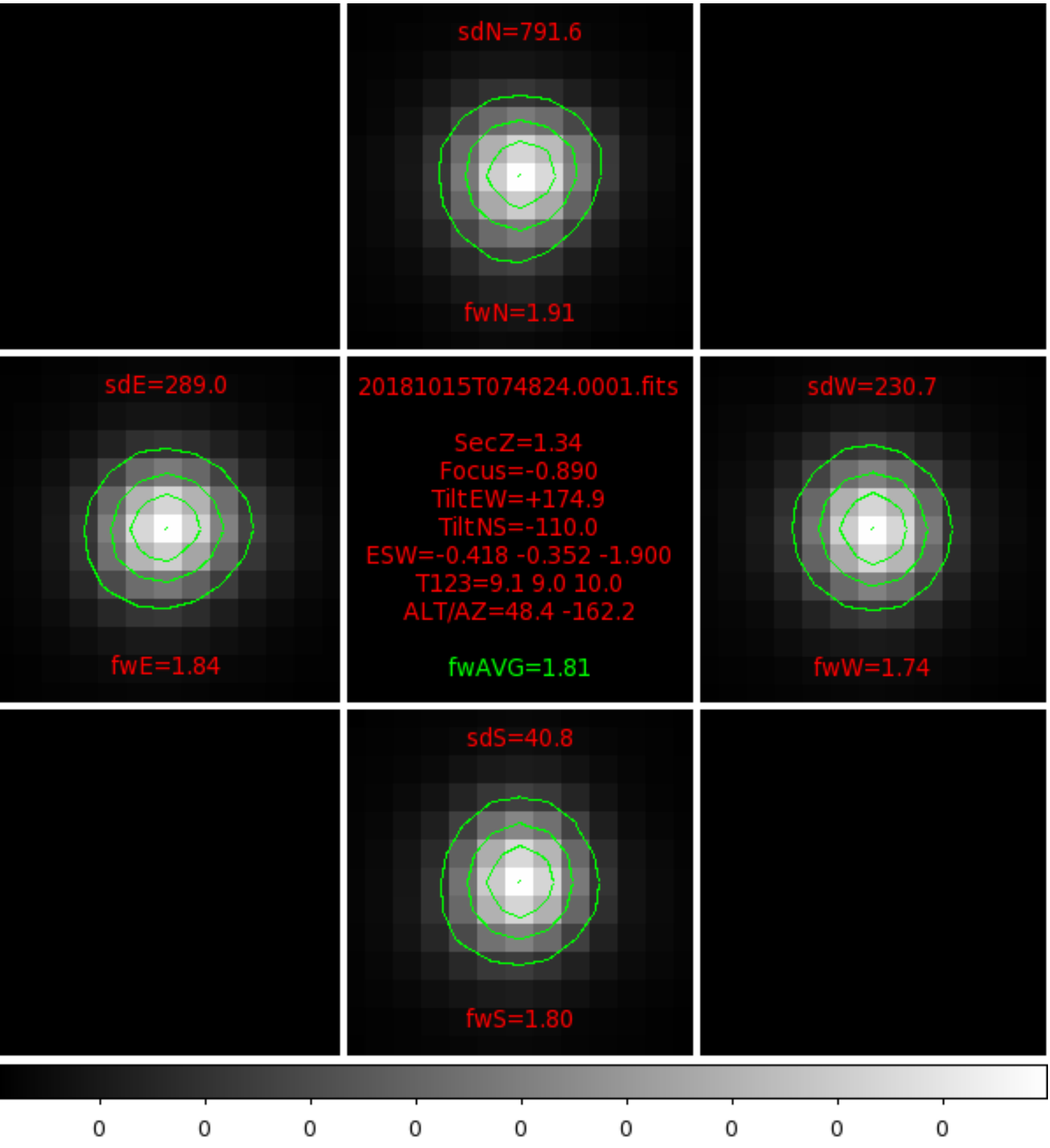

sdN=608.3
fwN=1.88
sdE=174.9
fwE=1.81
20181015T074717.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.0 10.0
ALT/AZ=48.5 -162.6
fwAVG=1.78
sdW=119.9
fwW=1.70
sdS=147.8
fwS=1.76
0 0 0 0 0 0 0 0 0


sdN=785.6
fwN=1.90
sdE=289.0
fwE=1.80
20181015T074750.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.0 10.0
ALT/AZ=48.4 -162.4
fwAVG=1.77
sdW=234.8
fwW=1.69
sdS=42.0
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=791.6
fwN=1.91
sdE=289.0
fwE=1.84
20181015T074824.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.1 9.0 10.0
ALT/AZ=48.4 -162.2
fwAVG=1.81
sdW=230.7
fwW=1.74
sdS=40.8
fwS=1.80
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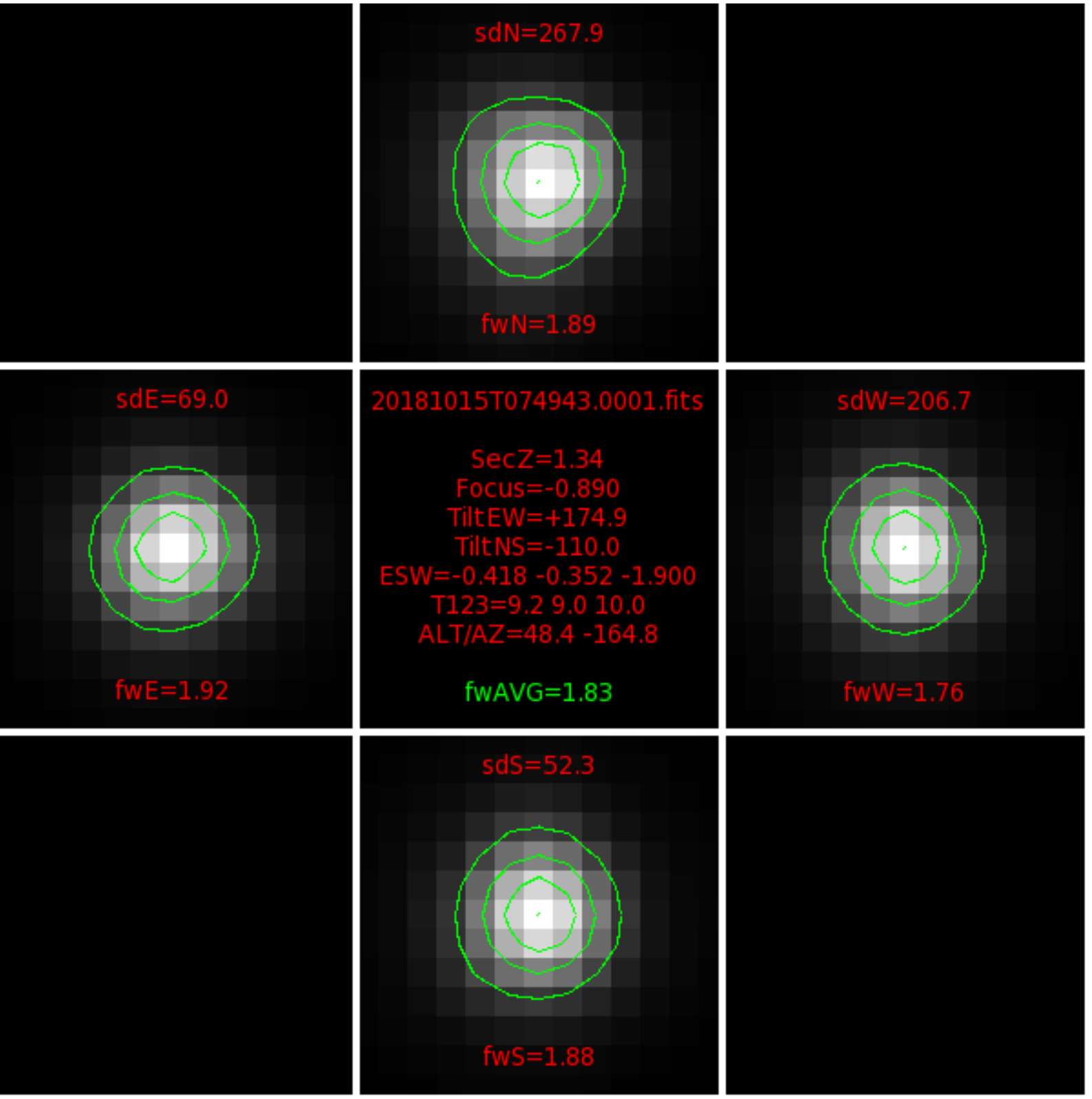
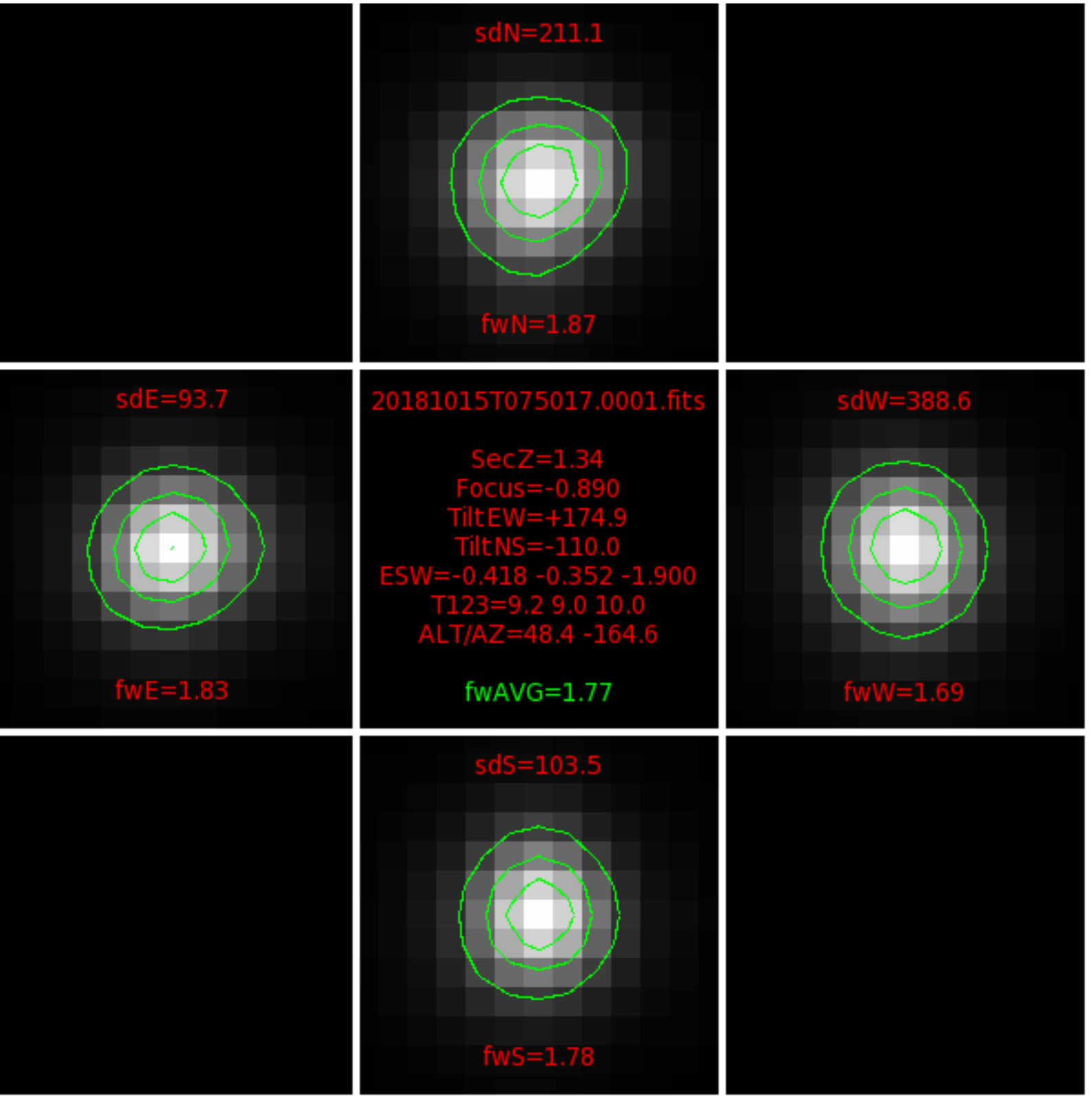
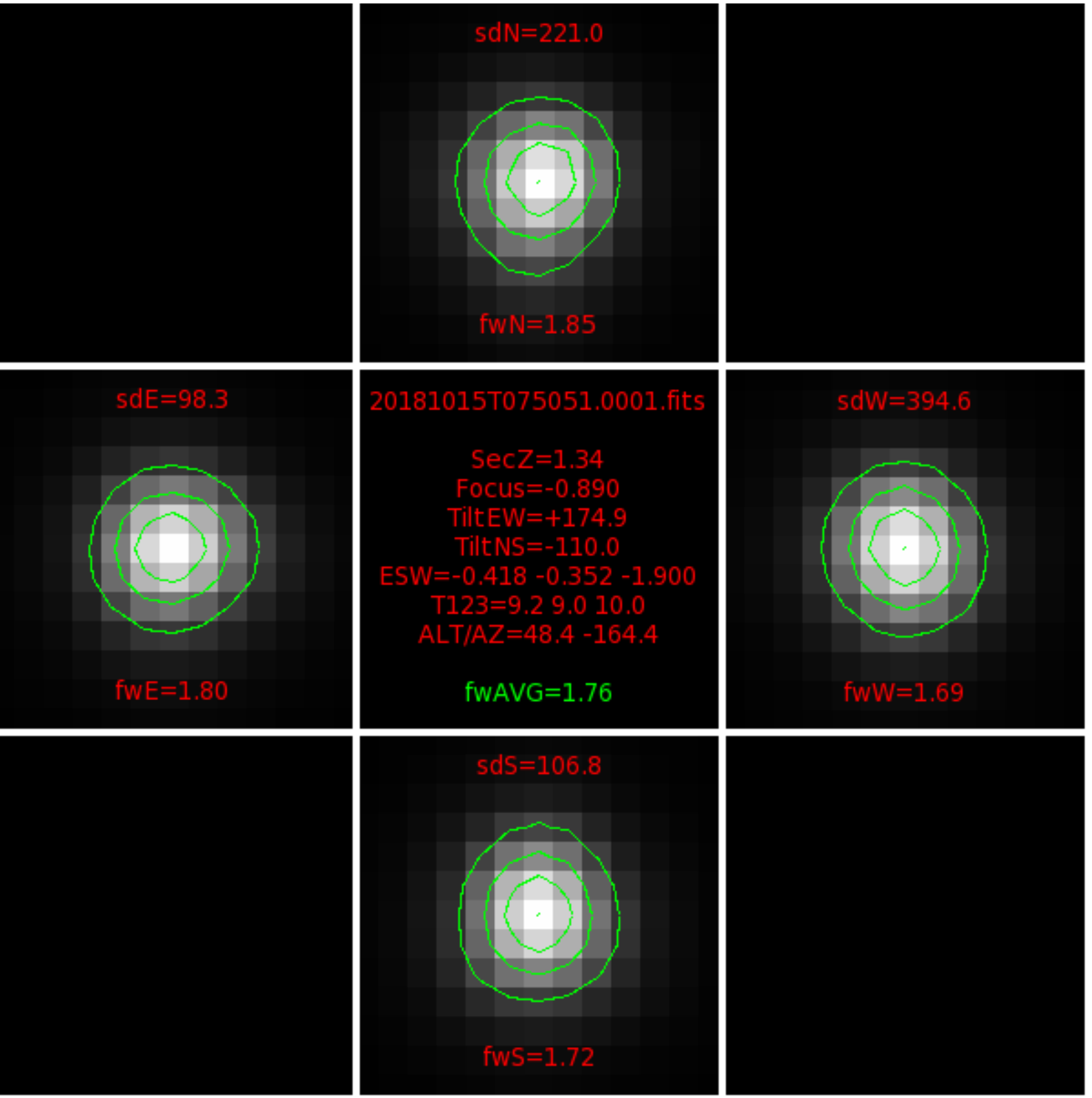
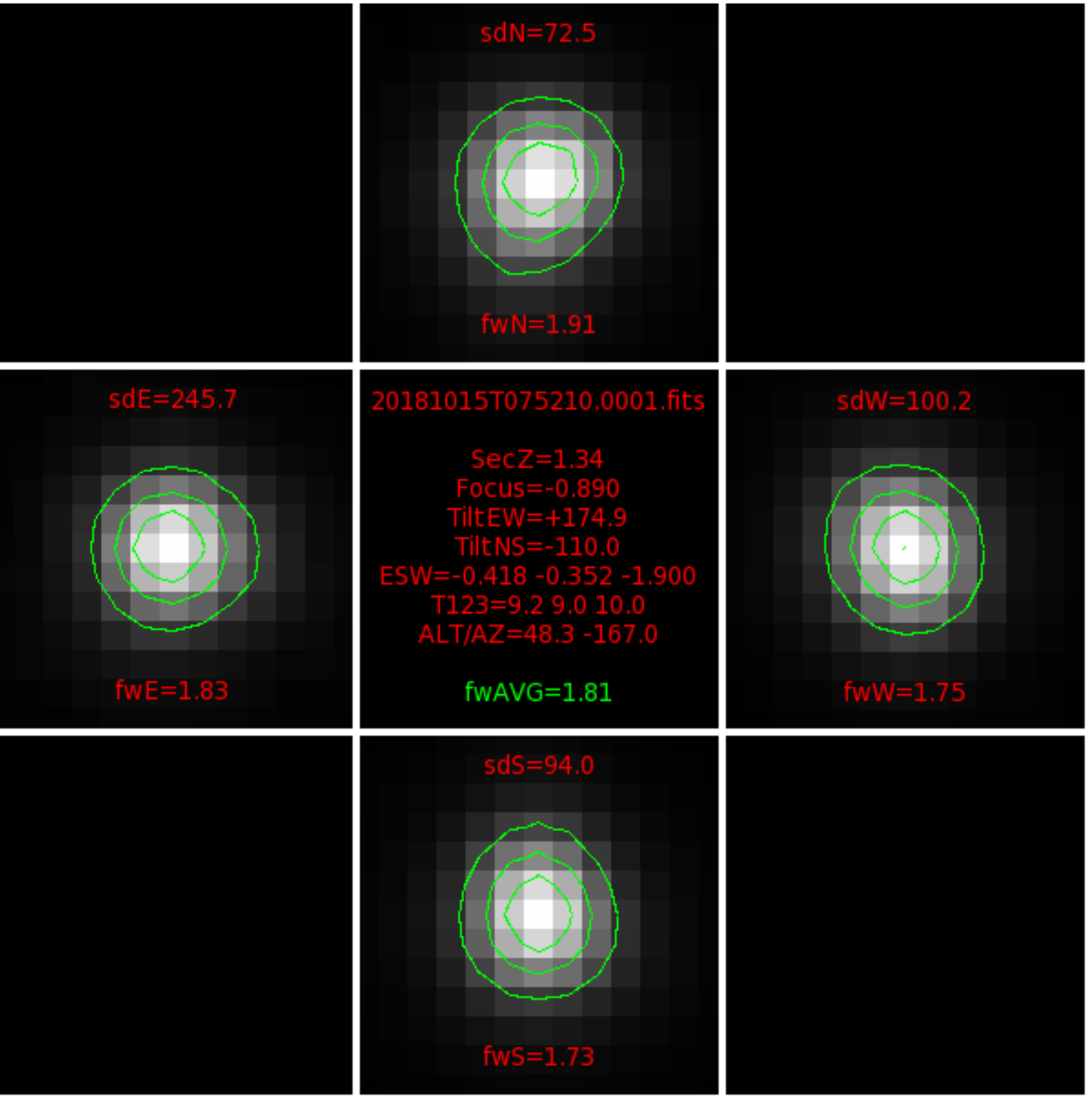

sdN=267.9
fwN=1.89
sdE=69.0
fwE=1.92
20181015T074943.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.2 9.0 10.0
ALT/AZ=48.4 -164.8
fwAVG=1.83
sdW=206.7
fwW=1.76
sdS=52.3
fwS=1.88
0 0 0 0 0 0 0 0 0


sdN=211.1
fwN=1.87
sdE=93.7
fwE=1.83
20181015T075017.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.2 9.0 10.0
ALT/AZ=48.4 -164.6
fwAVG=1.77
sdW=388.6
fwW=1.69
sdS=103.5
fwS=1.78
0 0 0 0 0 0 0 0 0


sdN=221.0
fwN=1.85
sdE=98.3
fwE=1.80
20181015T075051.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.2 9.0 10.0
ALT/AZ=48.4 -164.4
fwAVG=1.76
sdW=394.6
fwW=1.69
sdS=106.8
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=72.5
fwN=1.91
sdE=245.7
fwE=1.83
20181015T075210.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.2 9.0 10.0
ALT/AZ=48.3 -167.0
fwAVG=1.81
sdW=100.2
fwW=1.75
sdS=94.0
fwS=1.73
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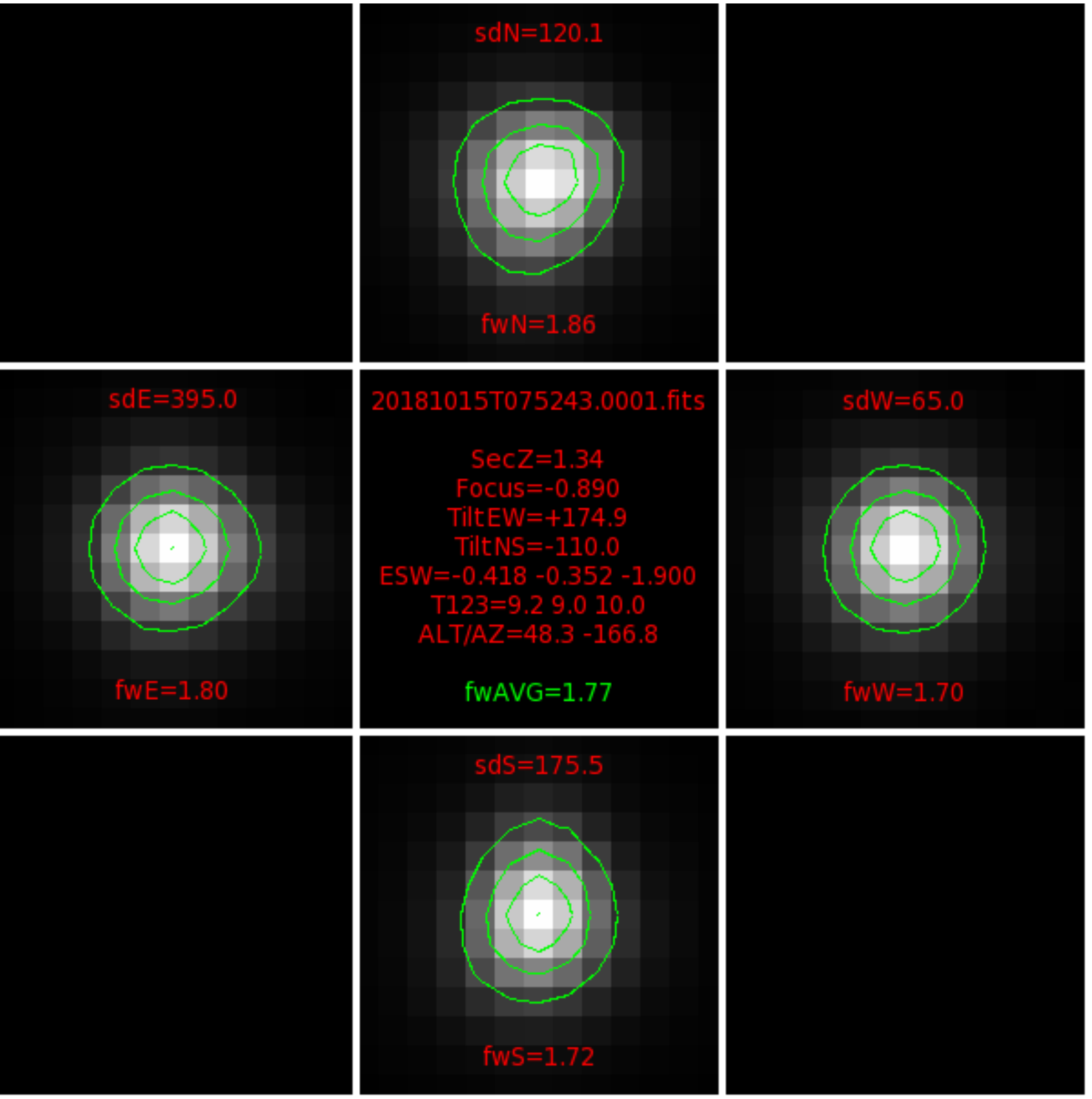
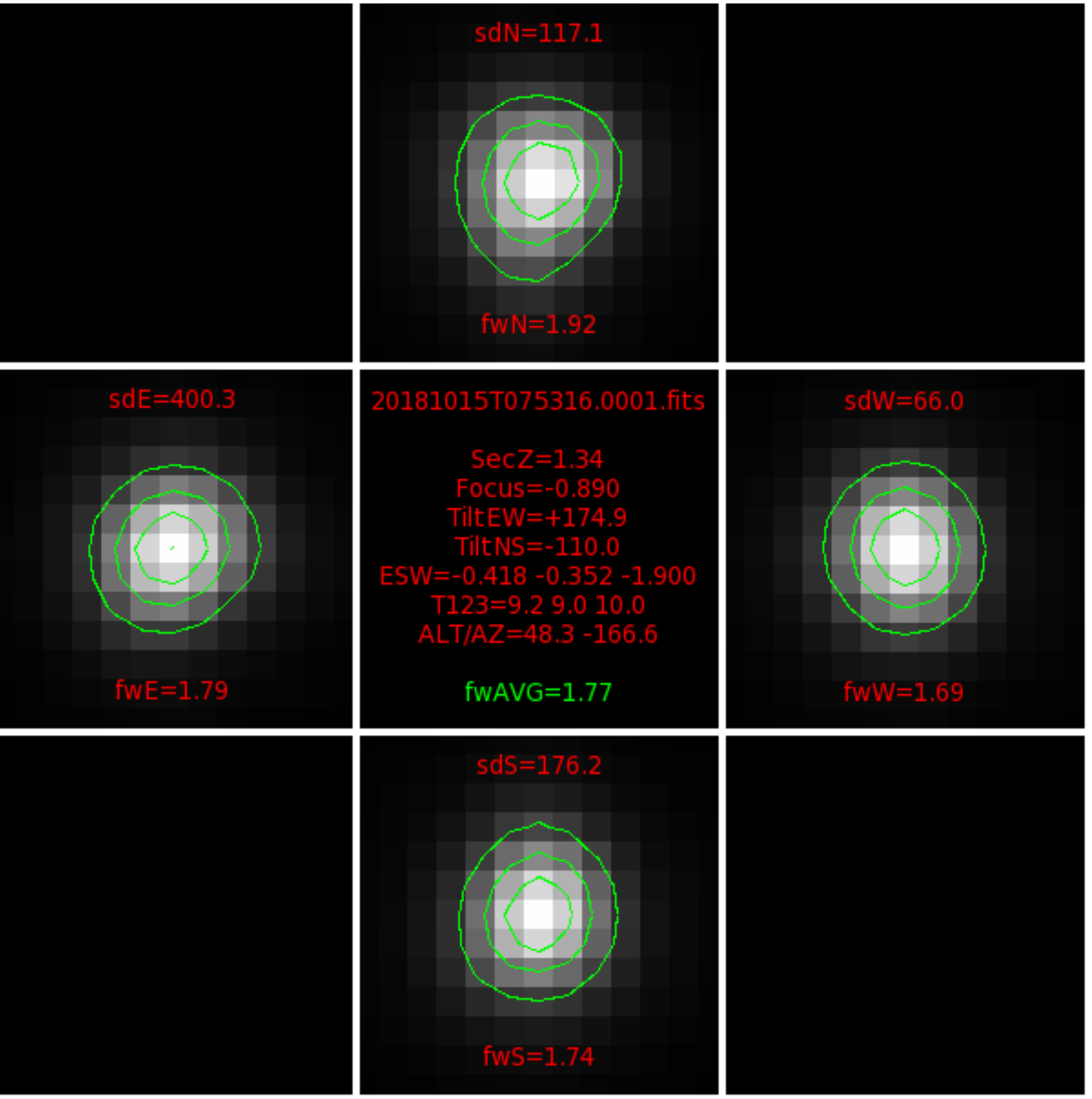

sdN=120.1
fwN=1.86
sdE=395.0
fwE=1.80
20181015T075243.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.2 9.0 10.0
ALT/AZ=48.3 -166.8
fwAVG=1.77
sdW=65.0
fwW=1.70
sdS=175.5
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=117.1
fwN=1.92
sdE=400.3
fwE=1.79
20181015T075316.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.2 9.0 10.0
ALT/AZ=48.3 -166.6
fwAVG=1.77
sdW=66.0
fwW=1.69
sdS=176.2
fwS=1.74
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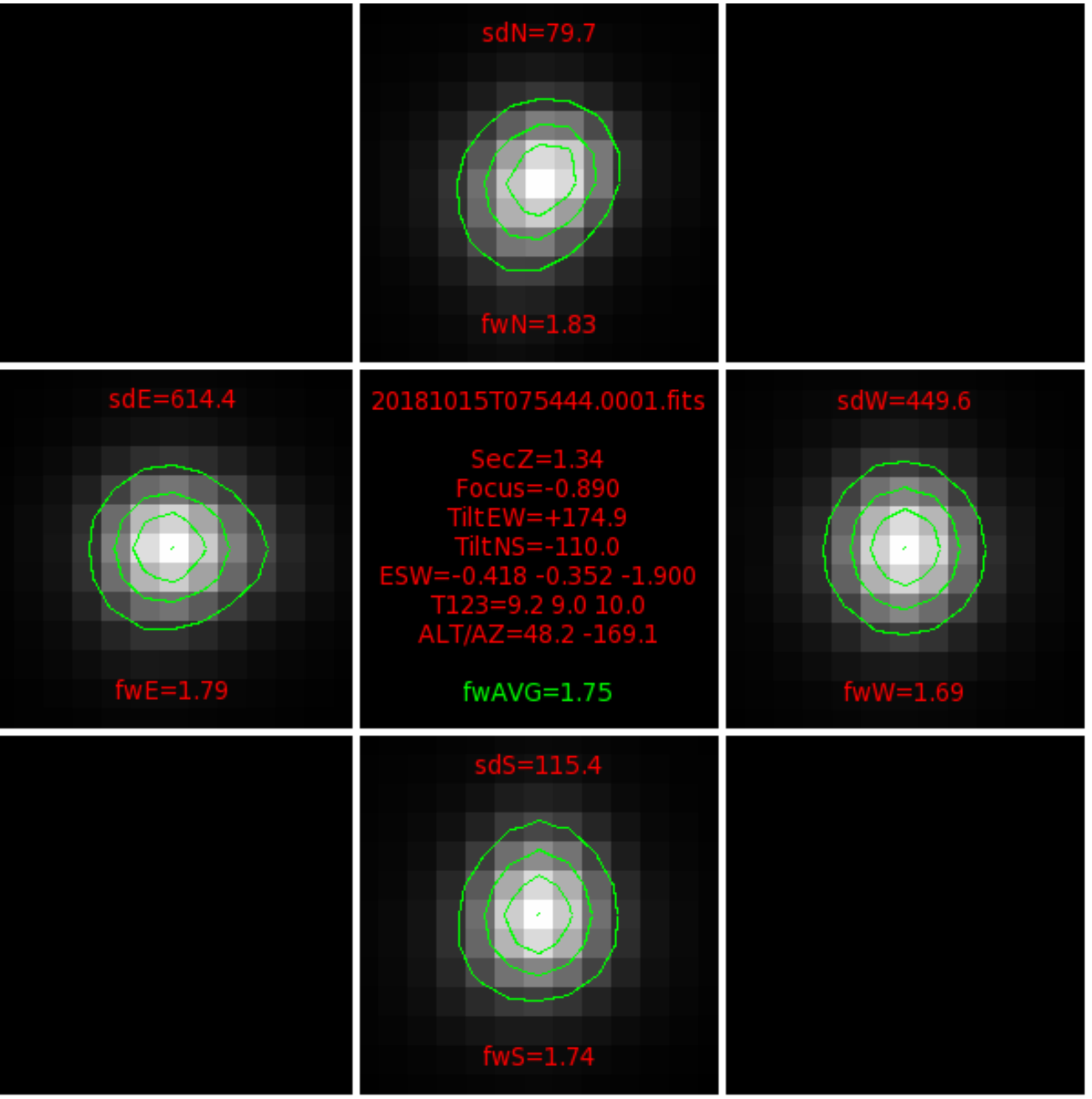
sdN=79.7
fwN=1.83
sdE=614.4
fwE=1.79
20181015T075444.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.2 9.0 10.0
ALT/AZ=48.2 -169.1
fwAVG=1.75
sdW=449.6
fwW=1.69
sdS=115.4
fwS=1.74
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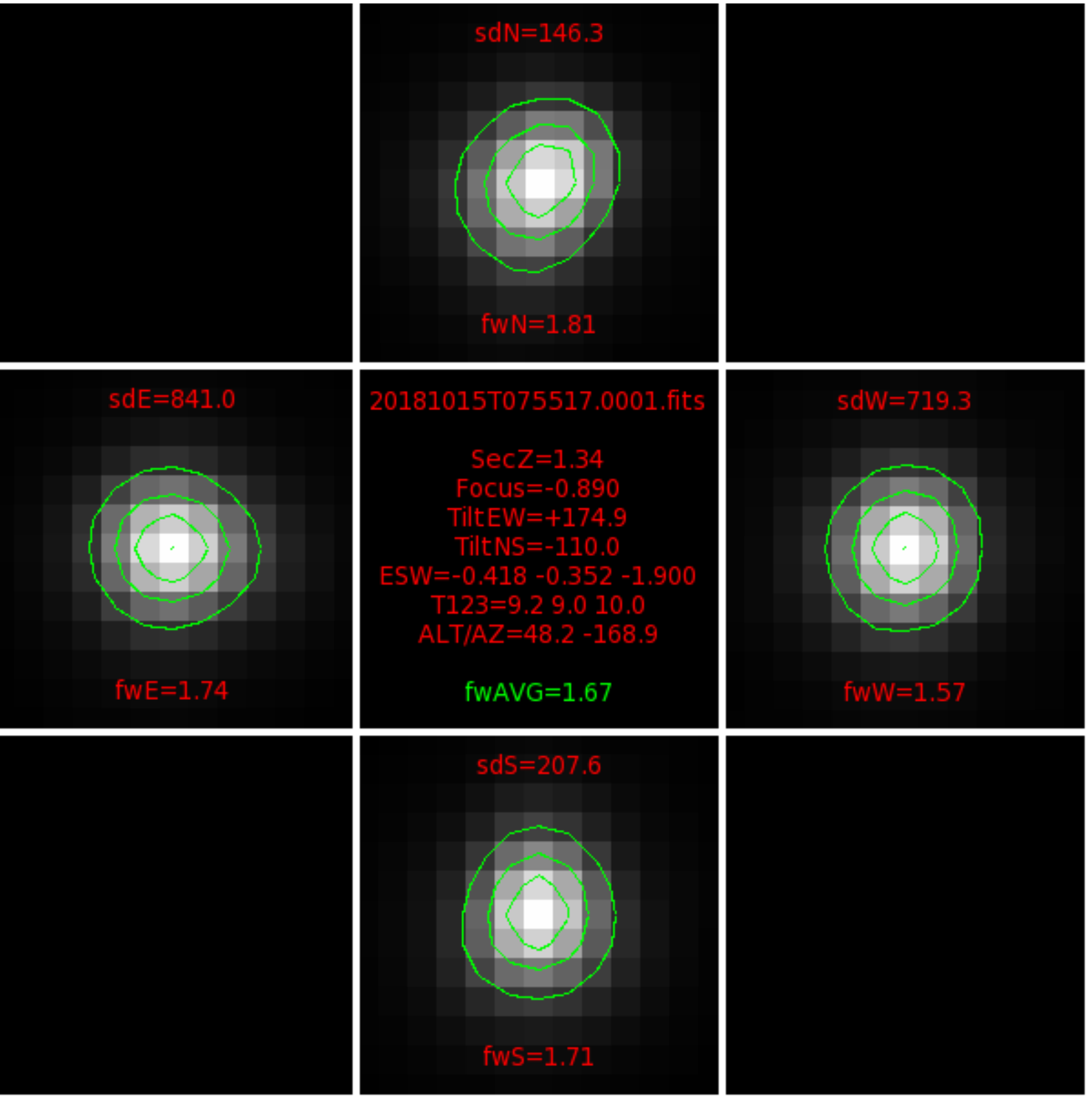
sdN=146.3
fwN=1.81
sdE=841.0
fwE=1.74
20181015T075517.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.2 9.0 10.0
ALT/AZ=48.2 -168.9
fwAVG=1.67
sdW=719.3
fwW=1.57
sdS=207.6
fwS=1.71
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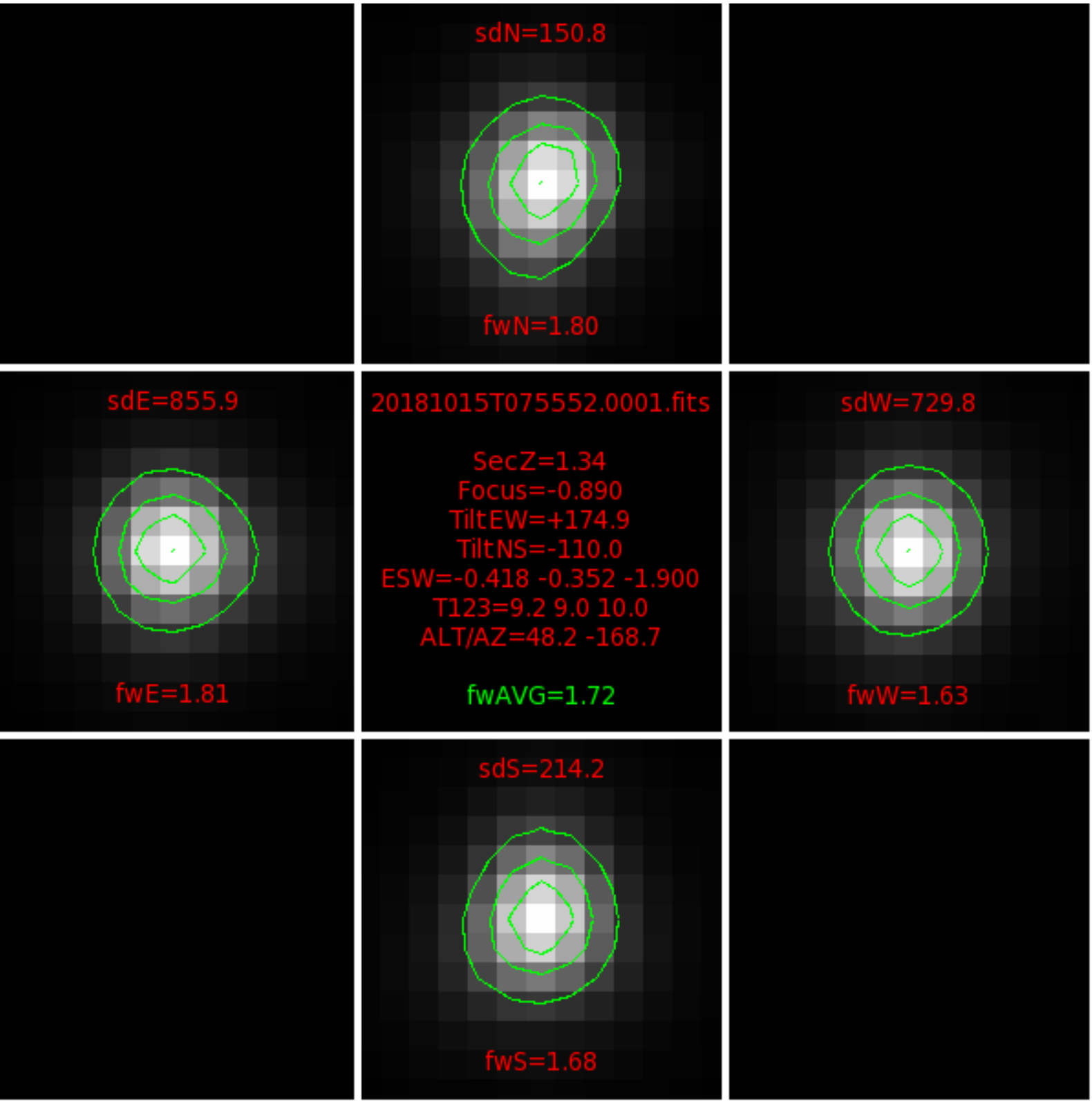
sdN=150.8
fwN=1.80
sdE=855.9
fwE=1.81
20181015T075552.0001.fits
SecZ=1.34
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.2 9.0 10.0
ALT/AZ=48.2 -168.7
fwAVG=1.72
sdW=729.8
fwW=1.63
sdS=214.2
fwS=1.68
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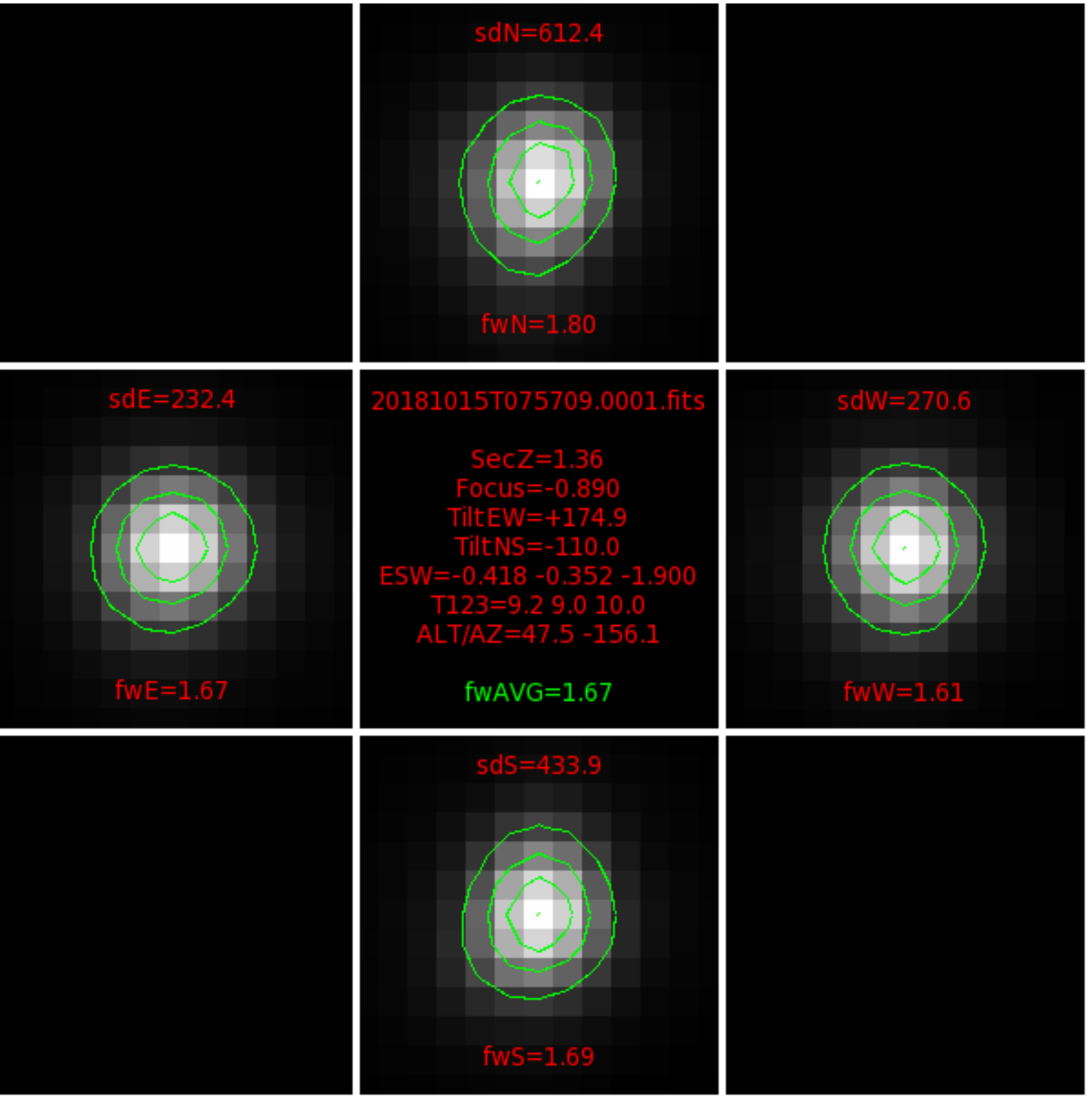
sdN=612.4
fwN=1.80
sdE=232.4
fwE=1.67
20181015T075709.0001.fits
SecZ=1.36
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.2 9.0 10.0
ALT/AZ=47.5 -156.1
fwAVG=1.67
sdW=270.6
fwW=1.61
sdS=433.9
fwS=1.69
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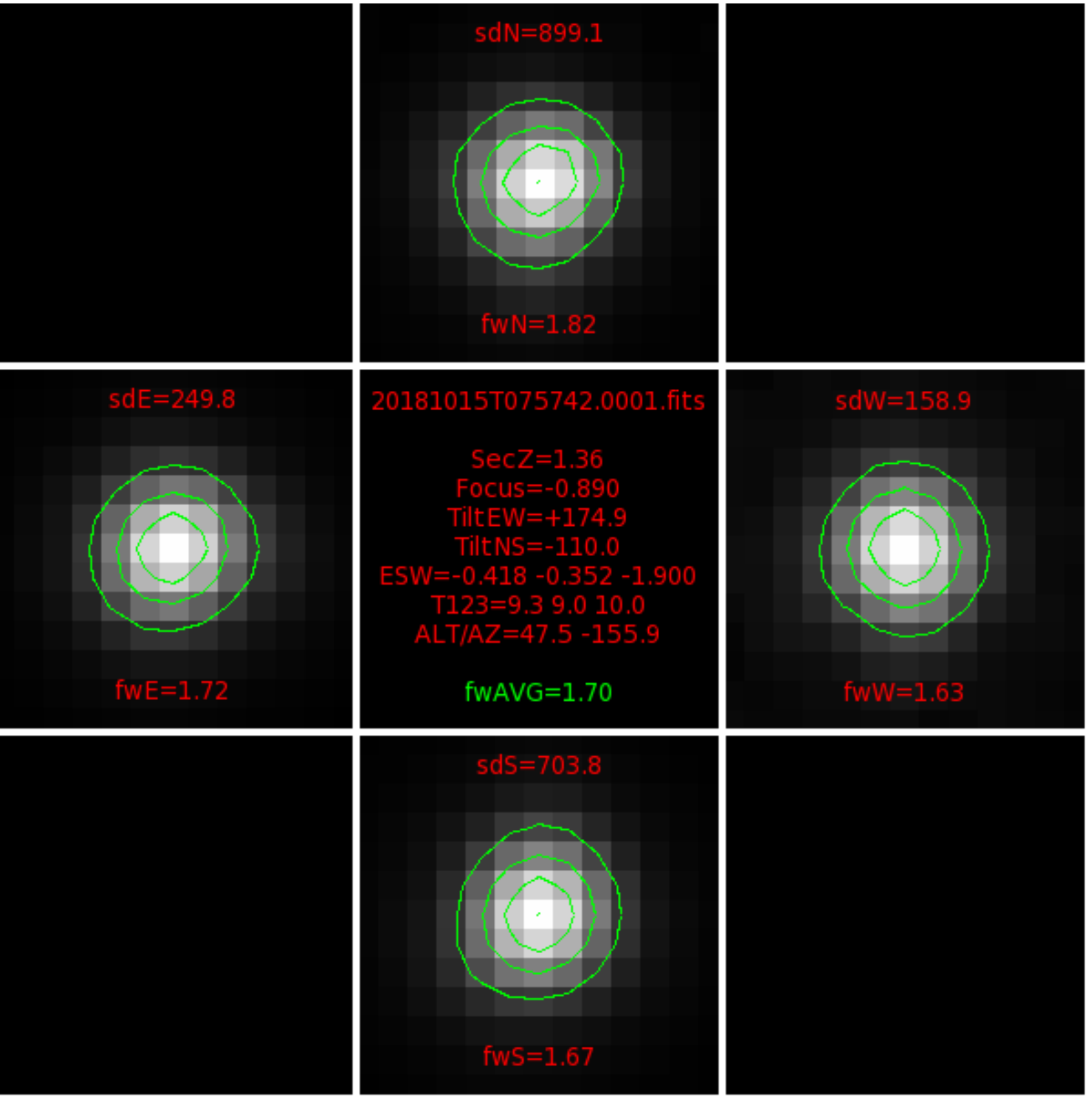
sdN=899.1
fwN=1.82
sdE=249.8
fwE=1.72
20181015T075742.0001.fits
SecZ=1.36
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.3 9.0 10.0
ALT/AZ=47.5 -155.9
fwAVG=1.70
sdW=158.9
fwW=1.63
sdS=703.8
fwS=1.67
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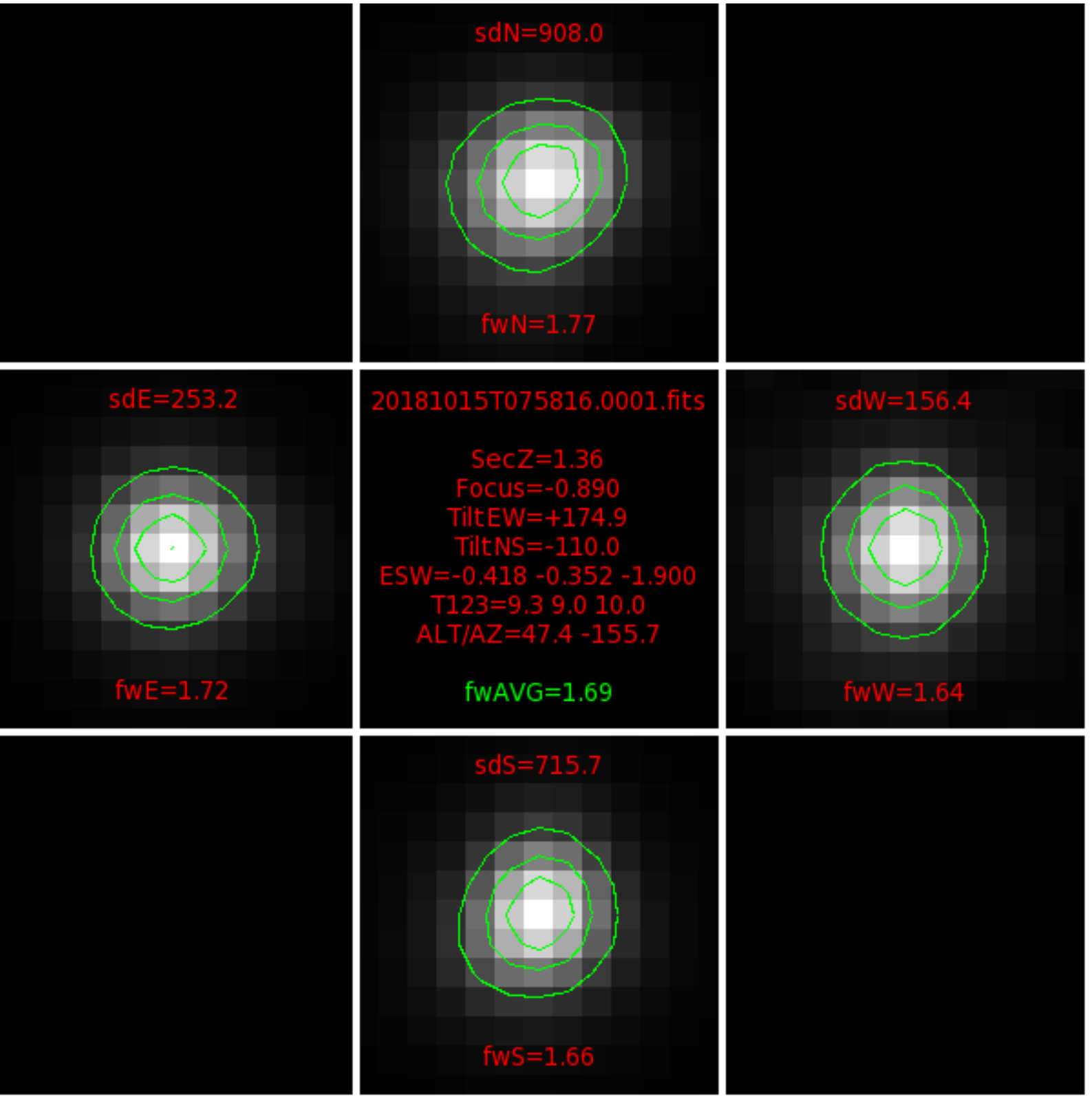
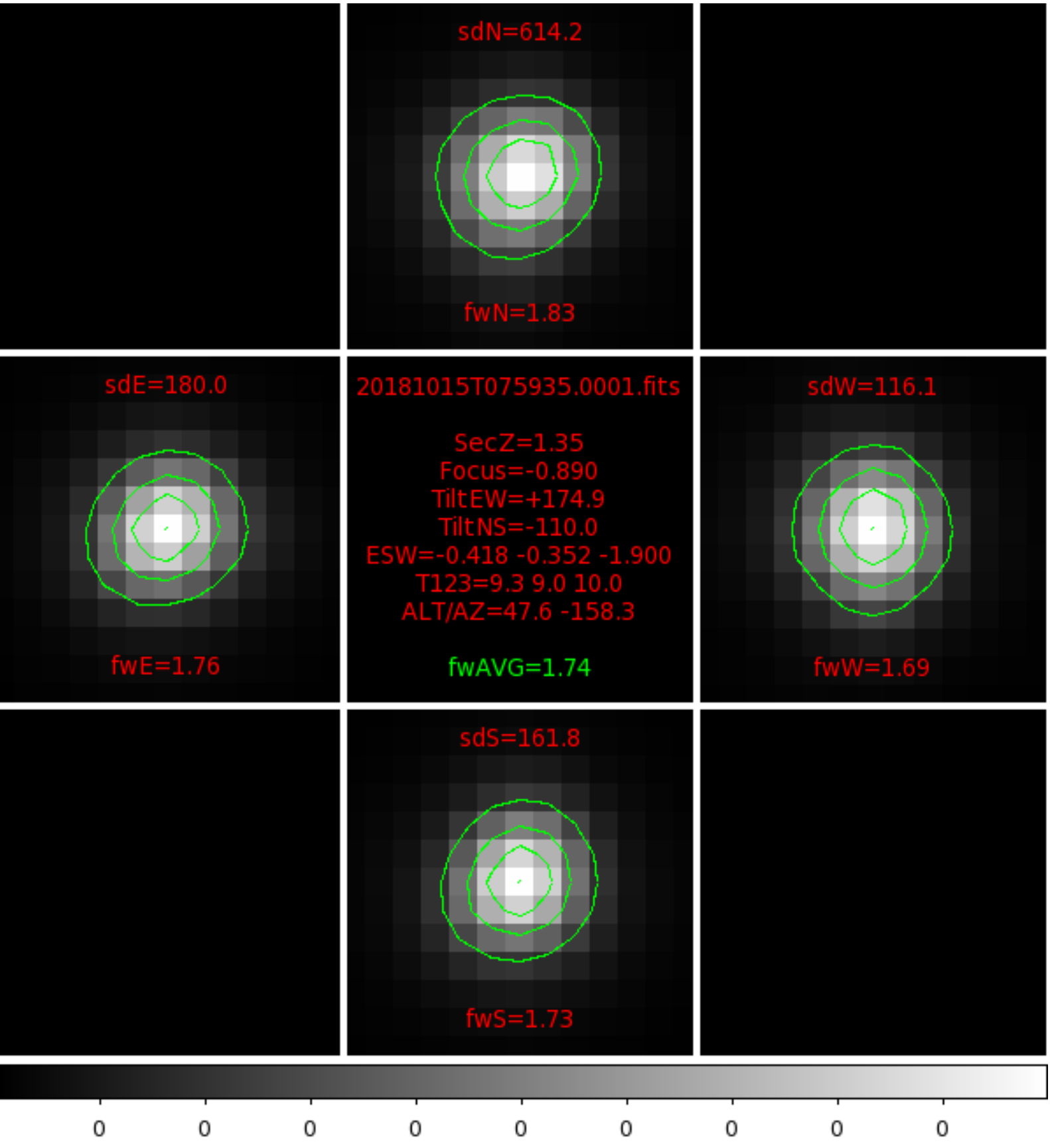

sdN=908.0
fwN=1.77
sdE=253.2
fwE=1.72
20181015T075816.0001.fits
SecZ=1.36
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.3 9.0 10.0
ALT/AZ=47.4 -155.7
fwAVG=1.69
sdW=156.4
fwW=1.64
sdS=715.7
fwS=1.66
0 0 0 0 0 0 0 0 0


sdN=614.2
fwN=1.83
sdE=180.0
fwE=1.76
20181015T075935.0001.fits
SecZ=1.35
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.3 9.0 10.0
ALT/AZ=47.6 -158.3
fwAVG=1.74
sdW=116.1
fwW=1.69
sdS=161.8
fwS=1.73
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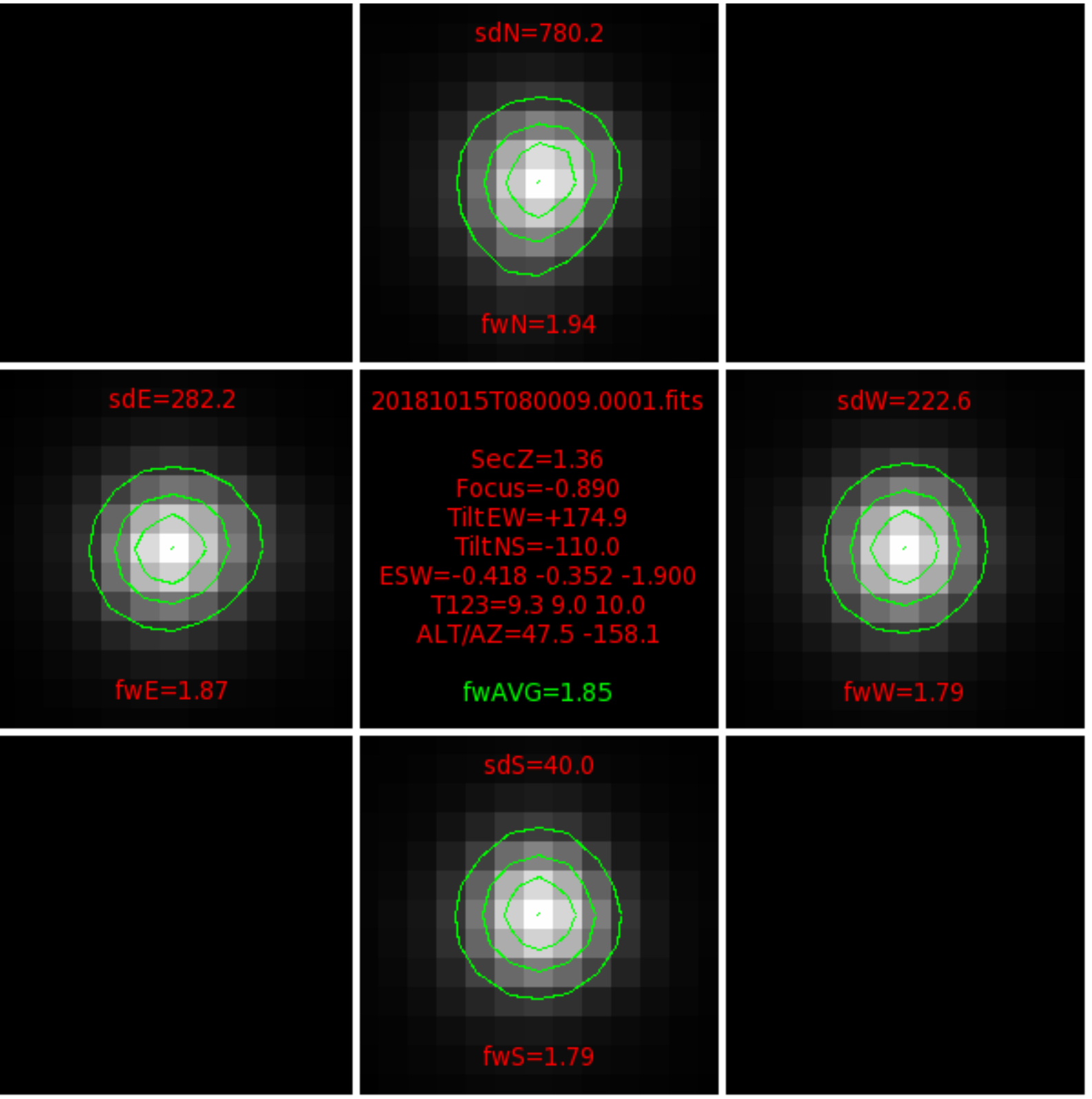
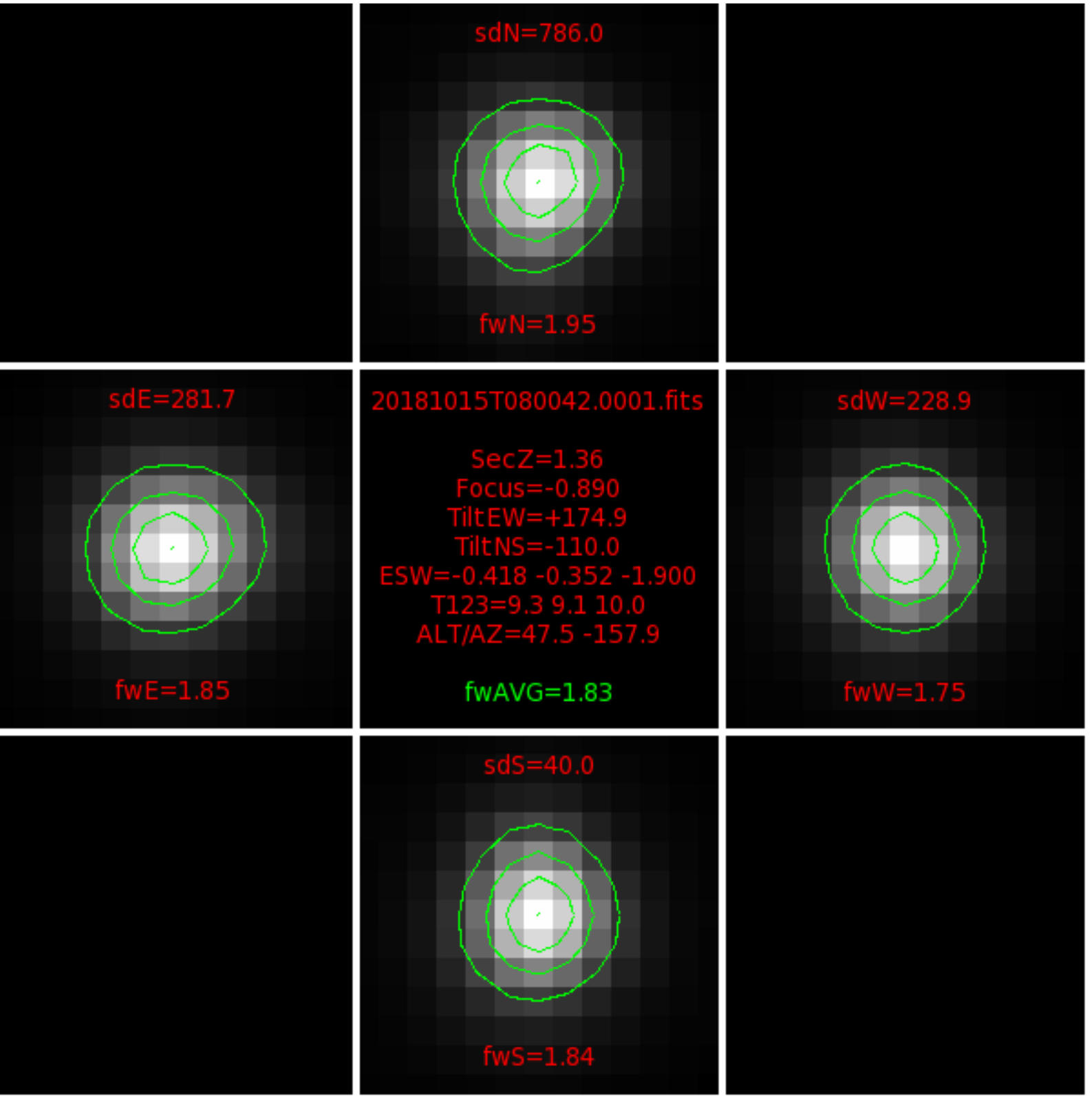
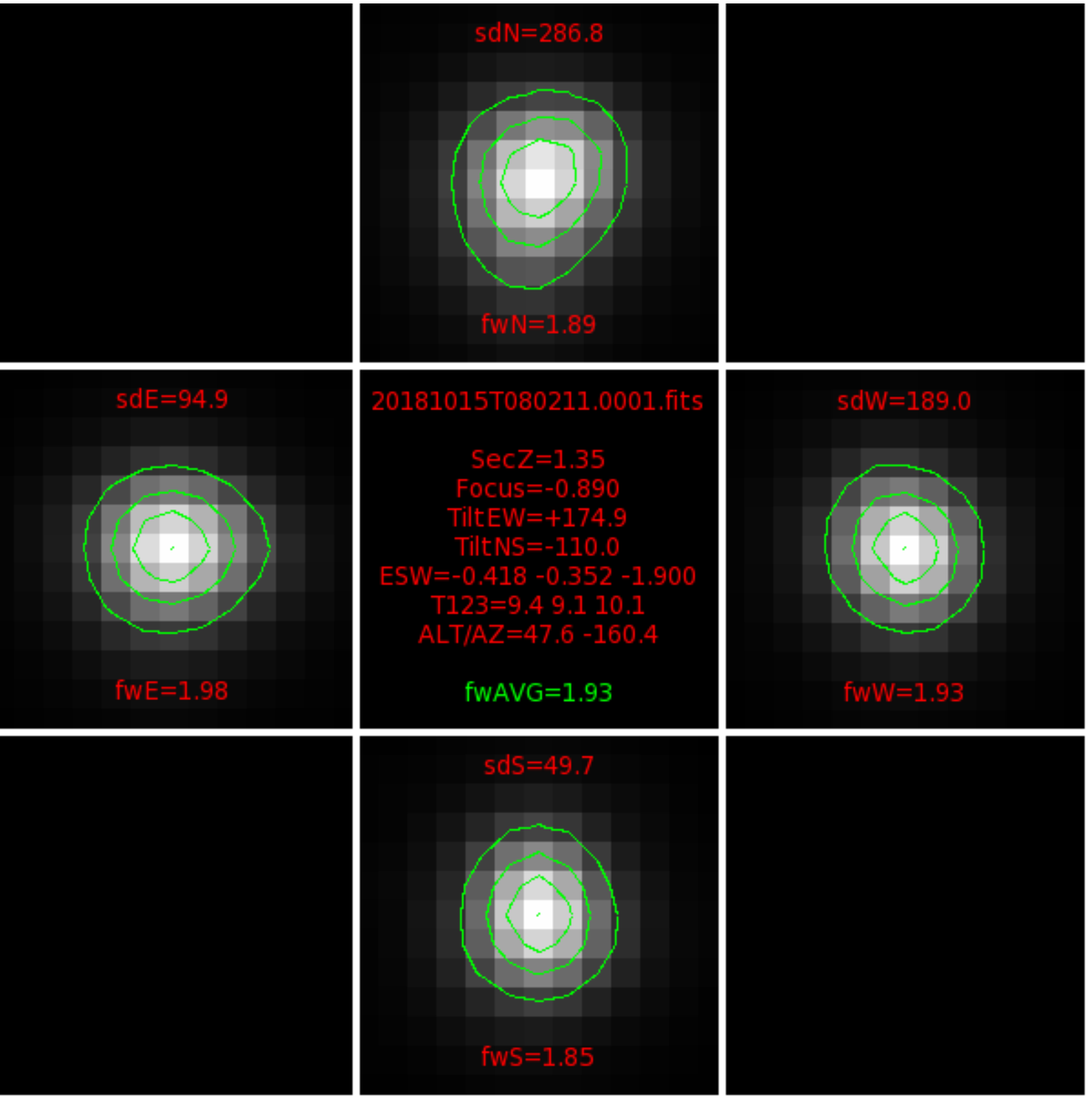
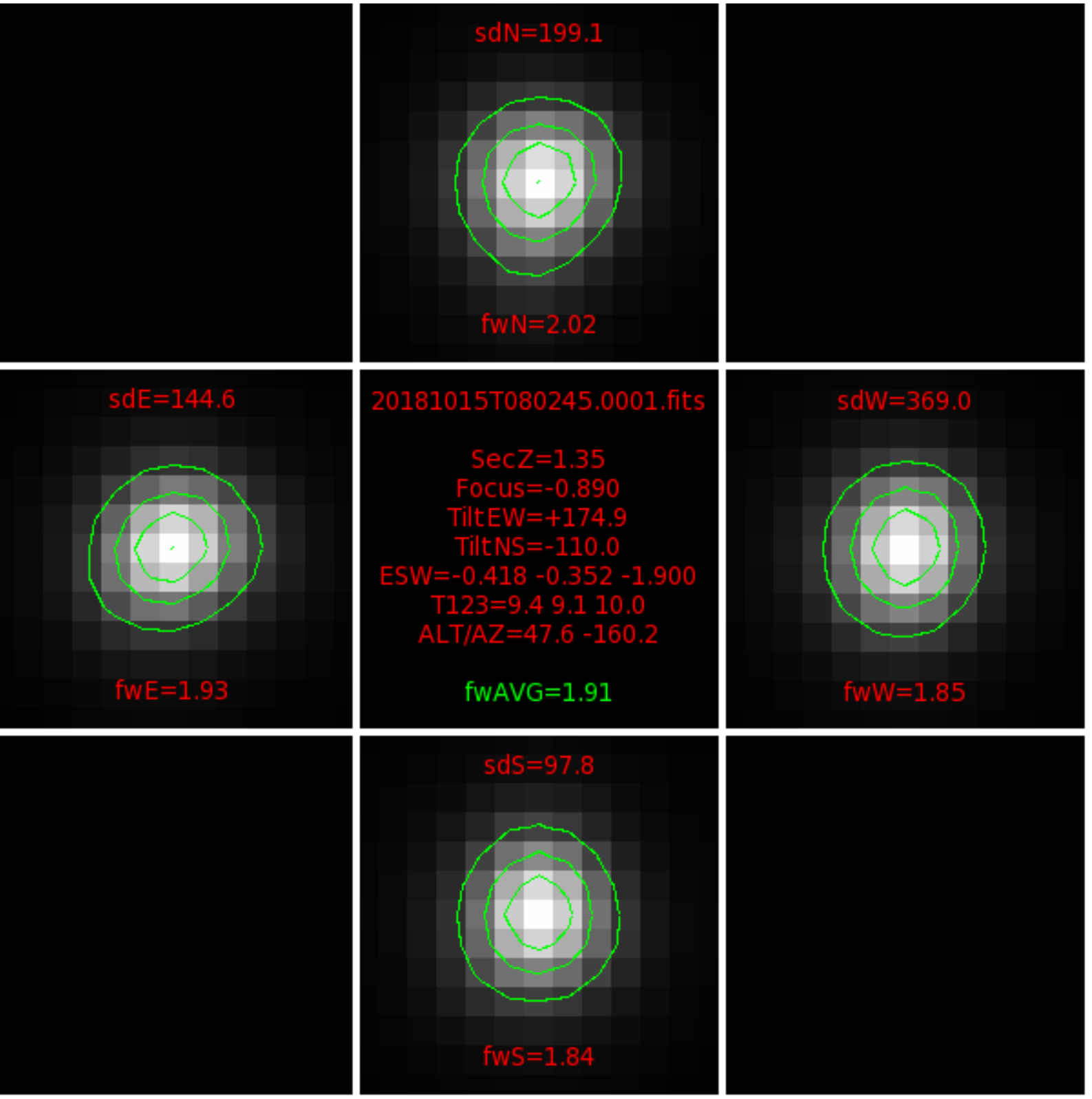
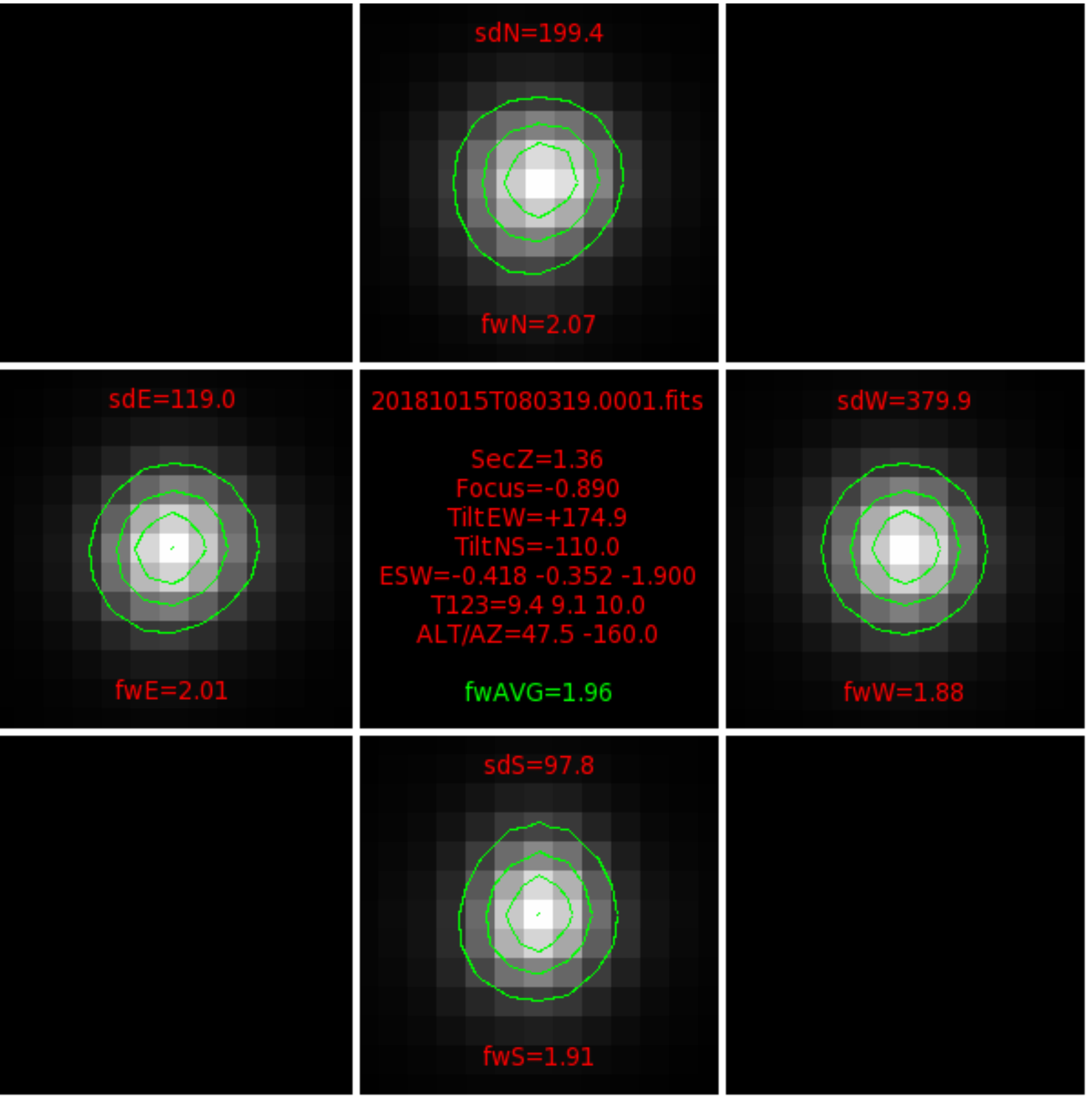

sdN=780.2
fwN=1.94
sdE=282.2
fwE=1.87
20181015T080009.0001.fits
SecZ=1.36
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.3 9.0 10.0
ALT/AZ=47.5 -158.1
fwAVG=1.85
sdW=222.6
fwW=1.79
sdS=40.0
fwS=1.79
0 0 0 0 0 0 0 0 0


sdN=786.0
fwN=1.95
sdE=281.7
fwE=1.85
20181015T080042.0001.fits
SecZ=1.36
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.3 9.1 10.0
ALT/AZ=47.5 -157.9
fwAVG=1.83
sdW=228.9
fwW=1.75
sdS=40.0
fwS=1.84
0 0 0 0 0 0 0 0 0


sdN=286.8
fwN=1.89
sdE=94.9
fwE=1.98
20181015T080211.0001.fits
SecZ=1.35
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.1 10.1
ALT/AZ=47.6 -160.4
fwAVG=1.93
sdW=189.0
fwW=1.93
sdS=49.7
fwS=1.85
0 0 0 0 0 0 0 0 0


sdN=199.1
fwN=2.02
sdE=144.6
fwE=1.93
20181015T080245.0001.fits
SecZ=1.35
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.1 10.0
ALT/AZ=47.6 -160.2
fwAVG=1.91
sdW=369.0
fwW=1.85
sdS=97.8
fwS=1.84
0 0 0 0 0 0 0 0 0


sdN=199.4
fwN=2.07
sdE=119.0
fwE=2.01
20181015T080319.0001.fits
SecZ=1.36
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.1 10.0
ALT/AZ=47.5 -160.0
fwAVG=1.96
sdW=379.9
fwW=1.88
sdS=97.8
fwS=1.91
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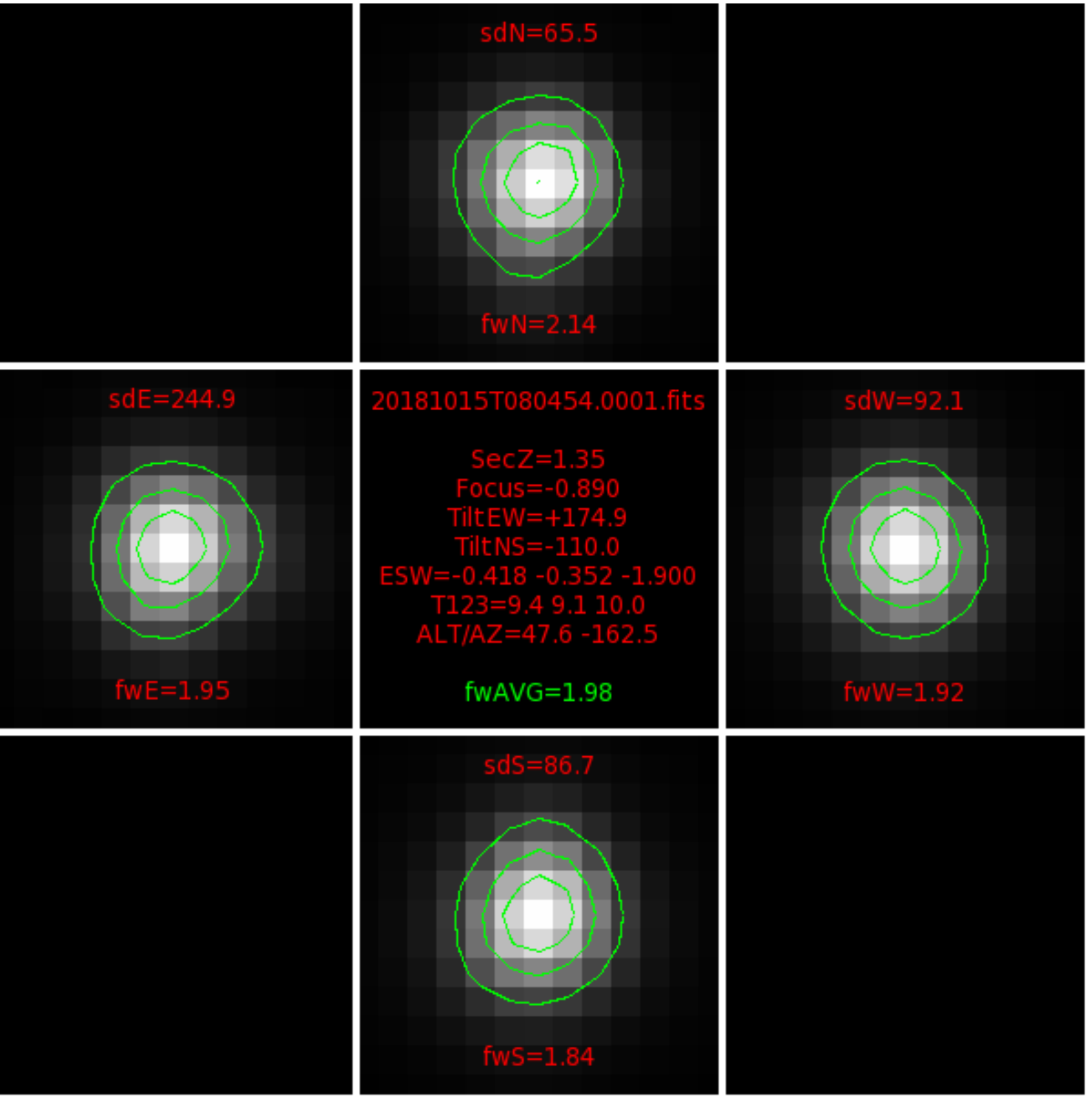
sdN=65.5
fwN=2.14
sdE=244.9
fwE=1.95
20181015T080454.0001.fits
SecZ=1.35
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.1 10.0
ALT/AZ=47.6 -162.5
fwAVG=1.98
sdW=92.1
fwW=1.92
sdS=86.7
fwS=1.84
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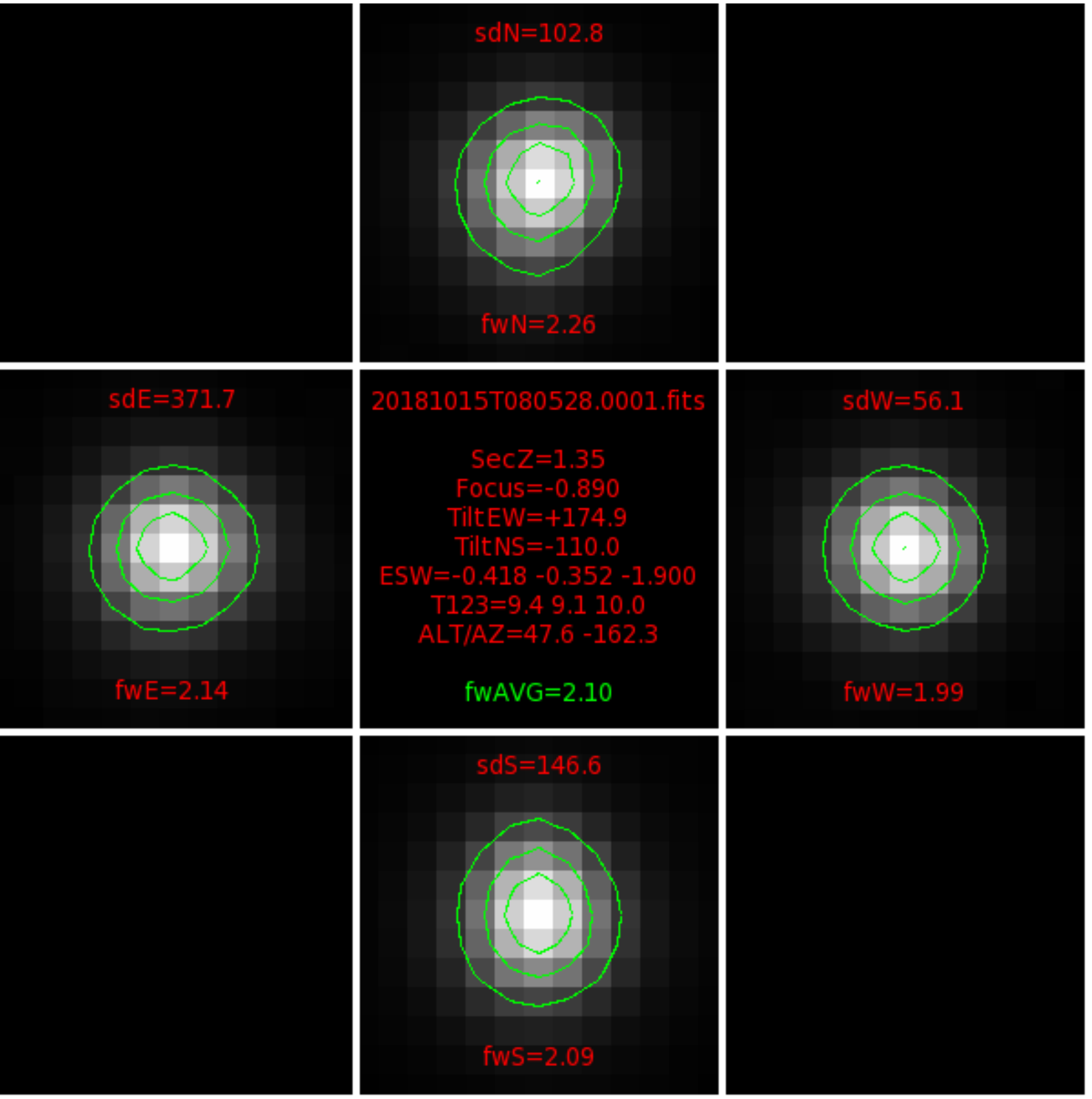
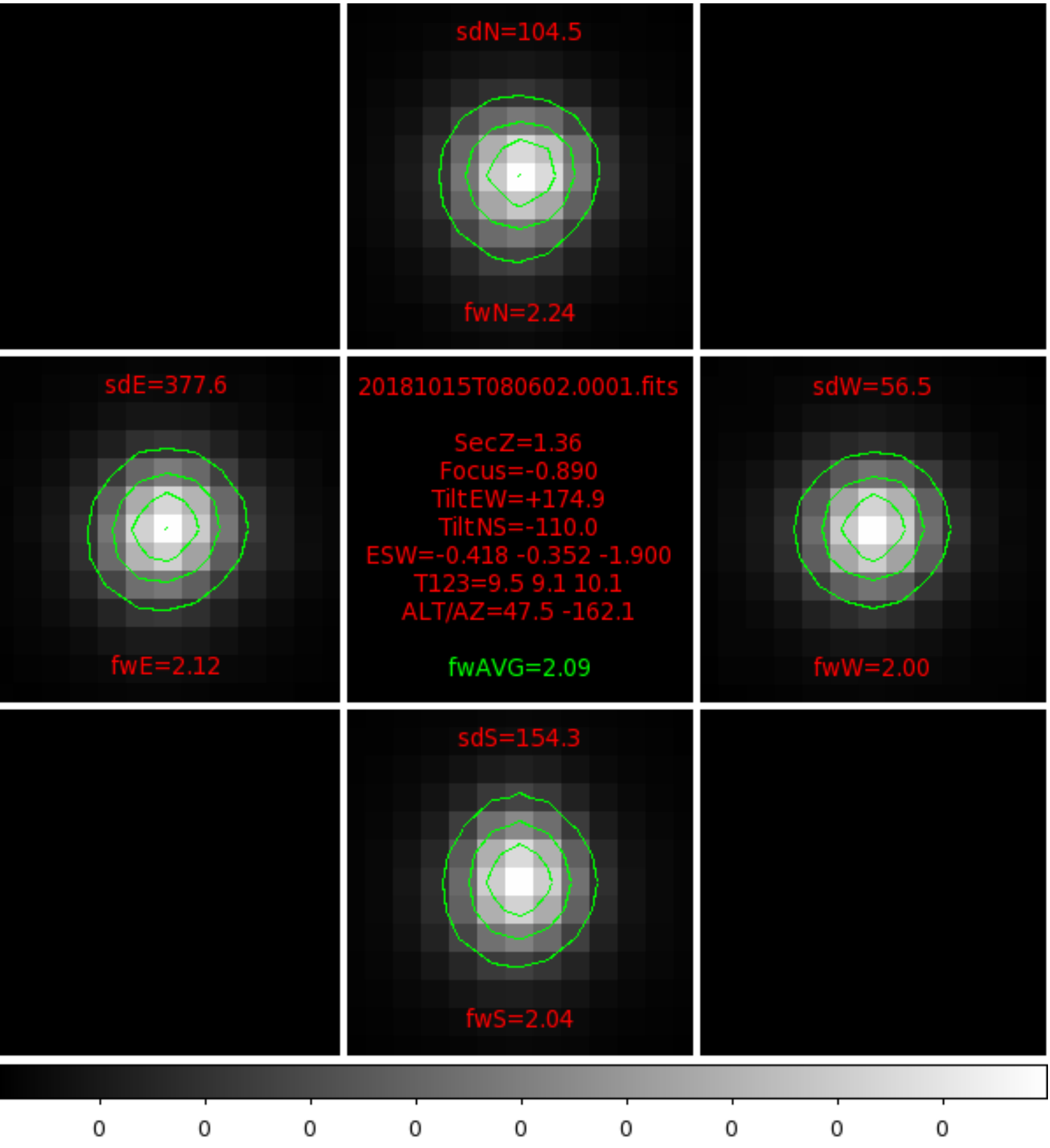

sdN=102.8
fwN=2.26
sdE=371.7
fwE=2.14
20181015T080528.0001.fits
SecZ=1.35
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.1 10.0
ALT/AZ=47.6 -162.3
fwAVG=2.10
sdW=56.1
fwW=1.99
sdS=146.6
fwS=2.09
0 0 0 0 0 0 0 0 0


sdN=104.5
fwN=2.24
sdE=377.6
fwE=2.12
20181015T080602.0001.fits
SecZ=1.36
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.5 9.1 10.1
ALT/AZ=47.5 -162.1
fwAVG=2.09
sdW=56.5
fwW=2.00
sdS=154.3
fwS=2.04
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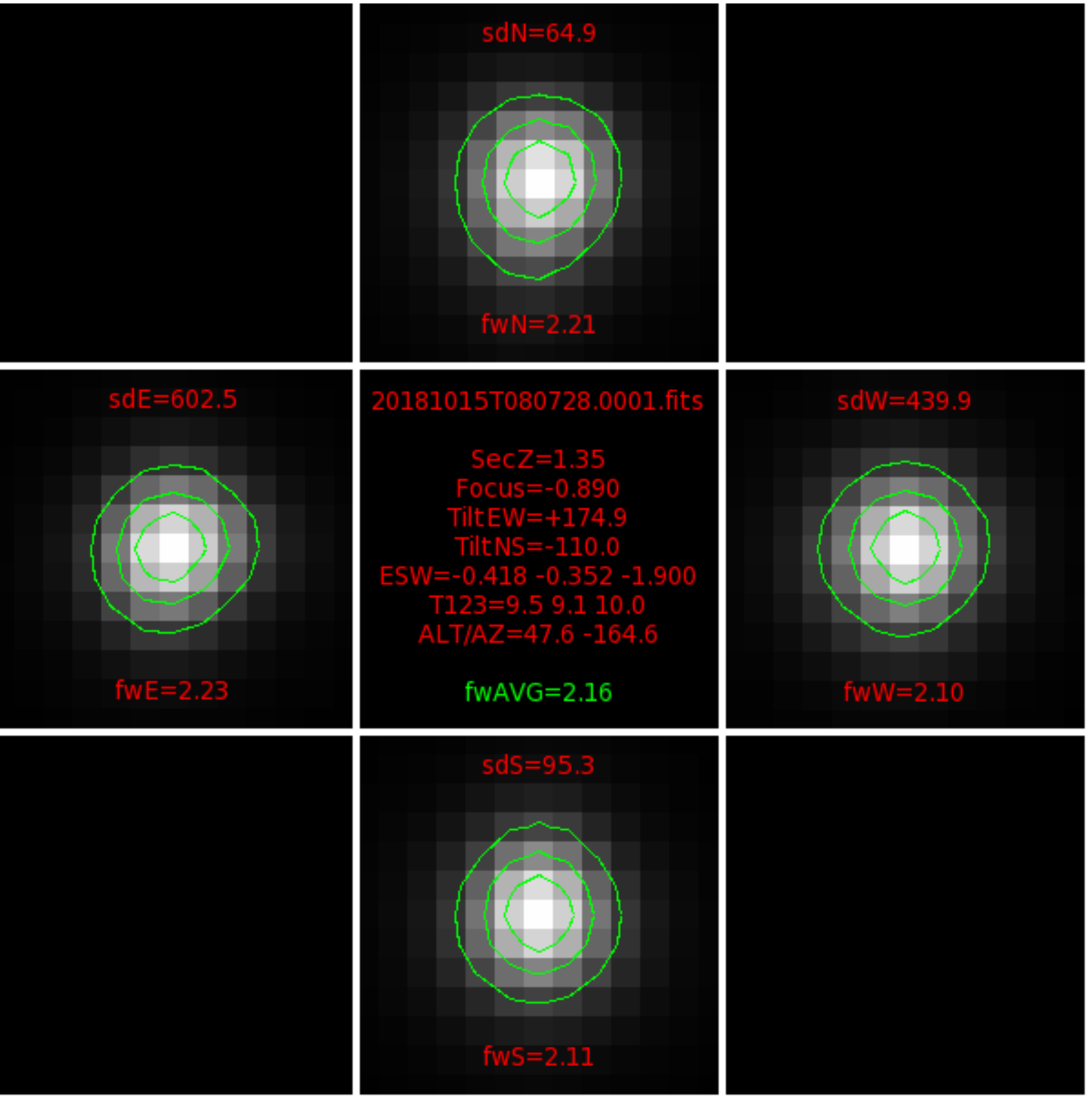
sdN=64.9
fwN=2.21
sdE=602.5
fwE=2.23
20181015T080728.0001.fits
SecZ=1.35
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.5 9.1 10.0
ALT/AZ=47.6 -164.6
fwAVG=2.16
sdW=439.9
fwW=2.10
sdS=95.3
fwS=2.11
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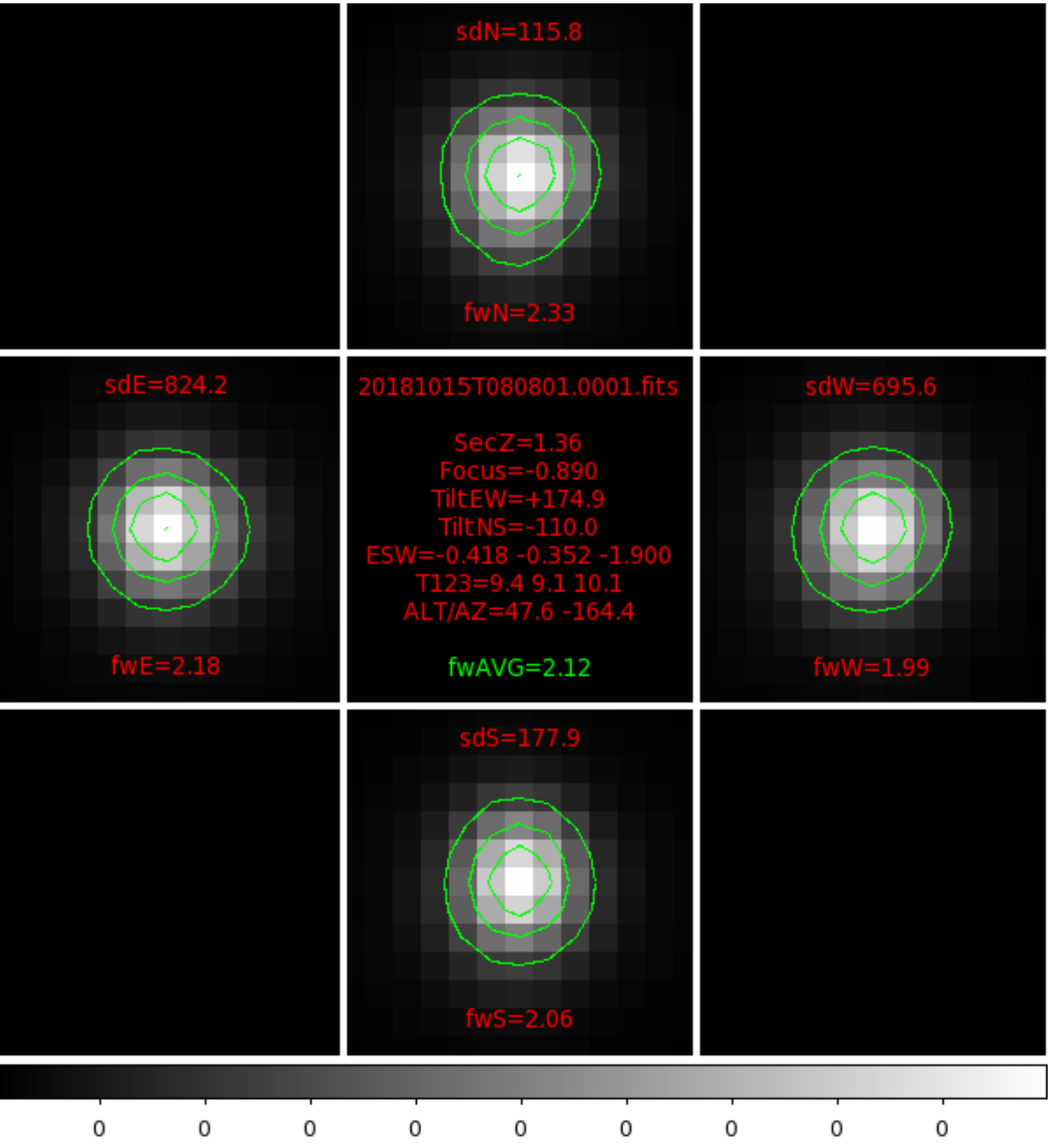
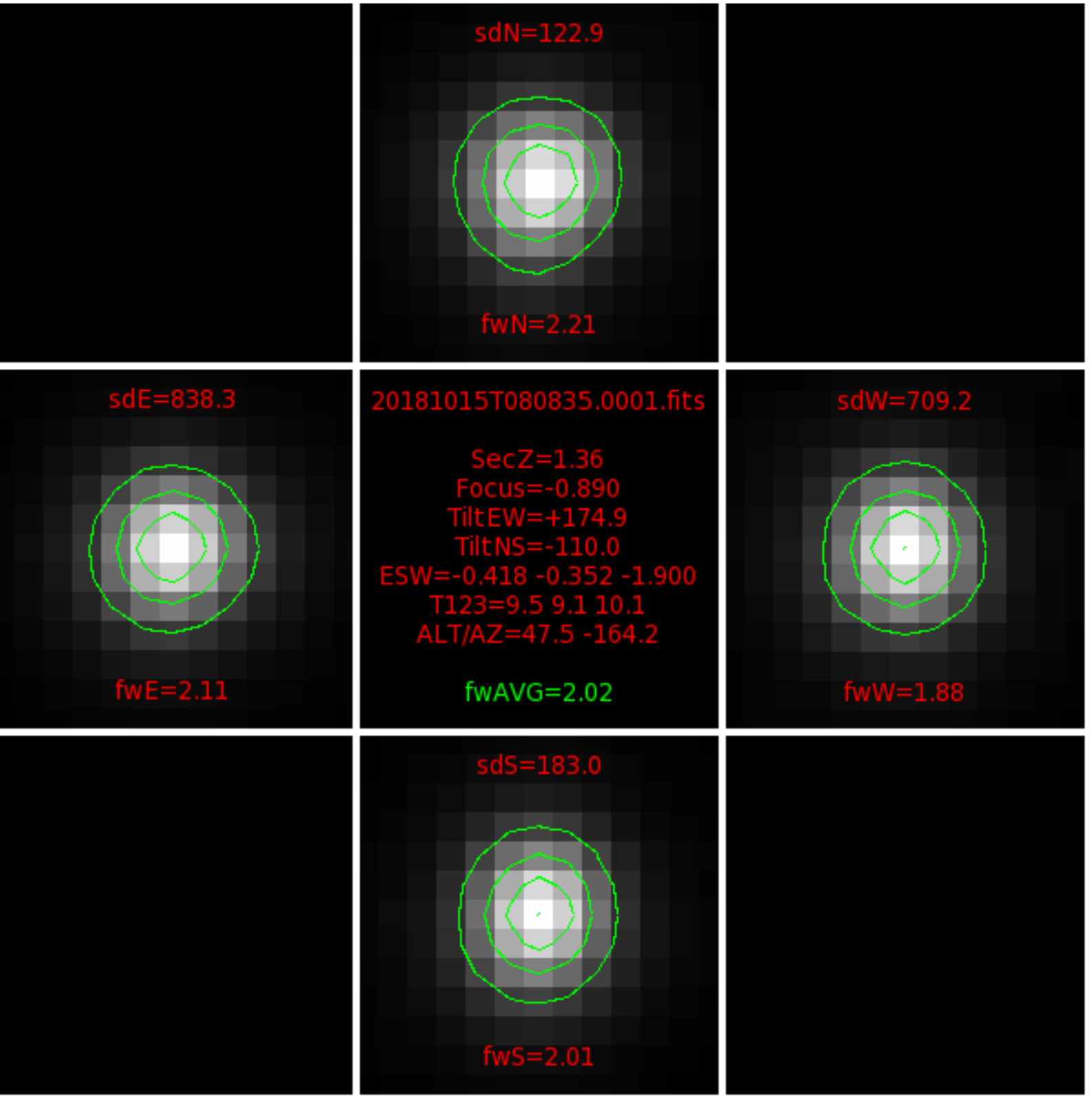
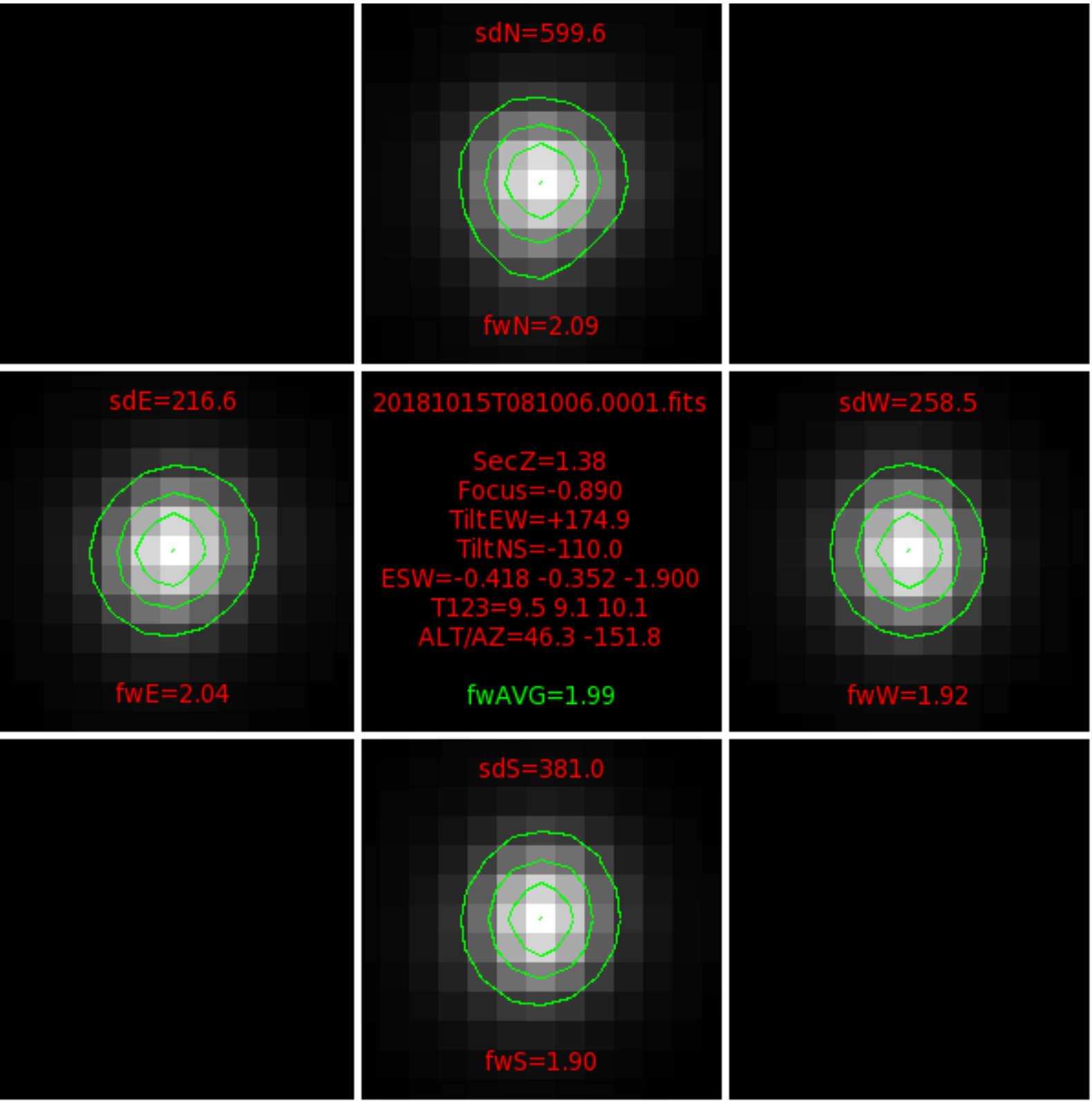
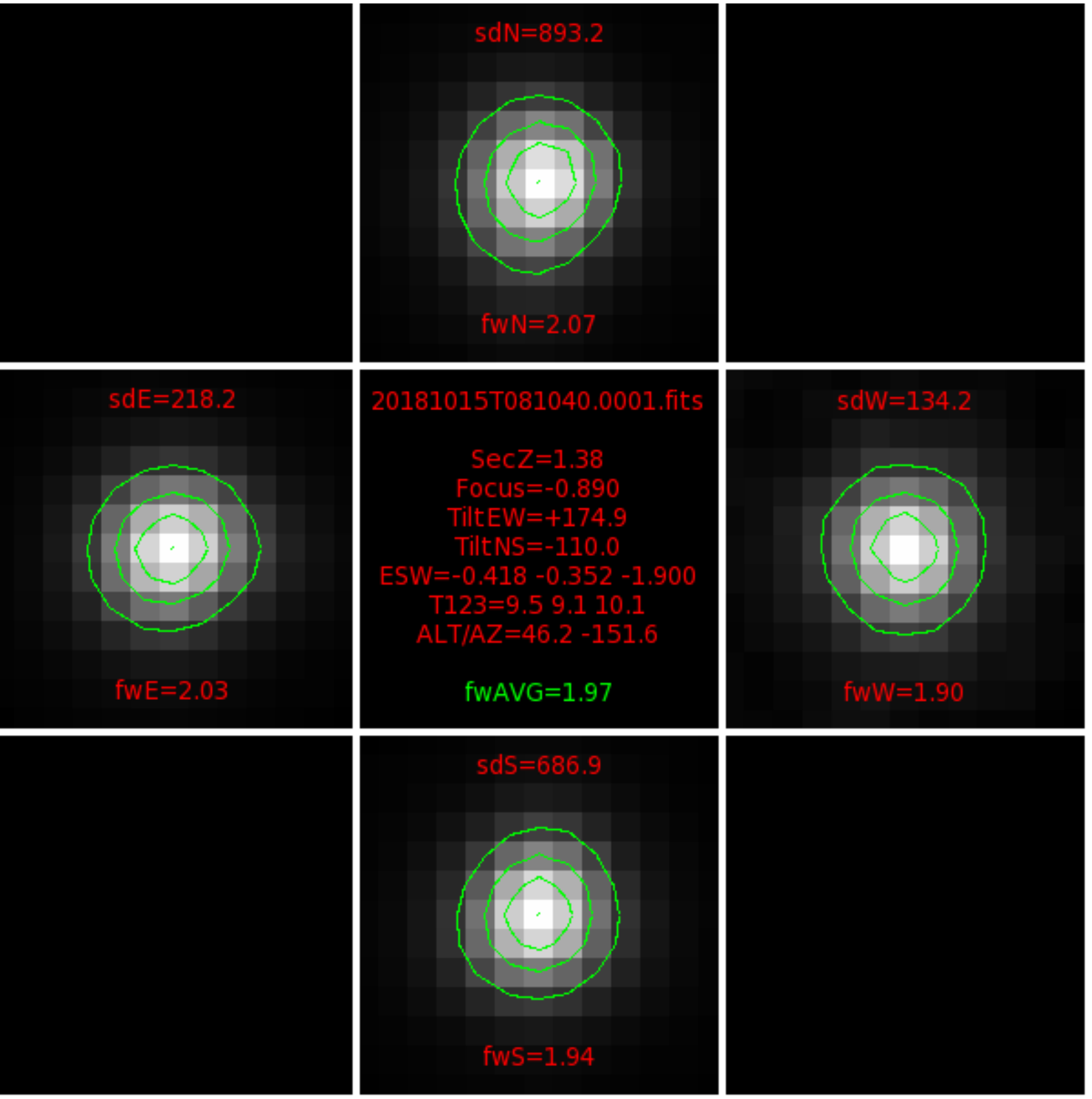

sdN=115.8
fwN=2.33
sdE=824.2
fwE=2.18
20181015T080801.0001.fits
SecZ=1.36
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.4 9.1 10.1
ALT/AZ=47.6 -164.4
fwAVG=2.12
sdW=695.6
fwW=1.99
sdS=177.9
fwS=2.06
0 0 0 0 0 0 0 0 0


sdN=122.9
fwN=2.21
sdE=838.3
fwE=2.11
20181015T080835.0001.fits
SecZ=1.36
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.5 9.1 10.1
ALT/AZ=47.5 -164.2
fwAVG=2.02
sdW=709.2
fwW=1.88
sdS=183.0
fwS=2.01
0 0 0 0 0 0 0 0 0


sdN=599.6
fwN=2.09
sdE=216.6
fwE=2.04
20181015T081006.0001.fits
SecZ=1.38
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.5 9.1 10.1
ALT/AZ=46.3 -151.8
fwAVG=1.99
sdW=258.5
fwW=1.92
sdS=381.0
fwS=1.90
0 0 0 0 0 0 0 0 0


sdN=893.2
fwN=2.07
sdE=218.2
fwE=2.03
20181015T081040.0001.fits
SecZ=1.38
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.5 9.1 10.1
ALT/AZ=46.2 -151.6
fwAVG=1.97
sdW=134.2
fwW=1.90
sdS=686.9
fwS=1.94
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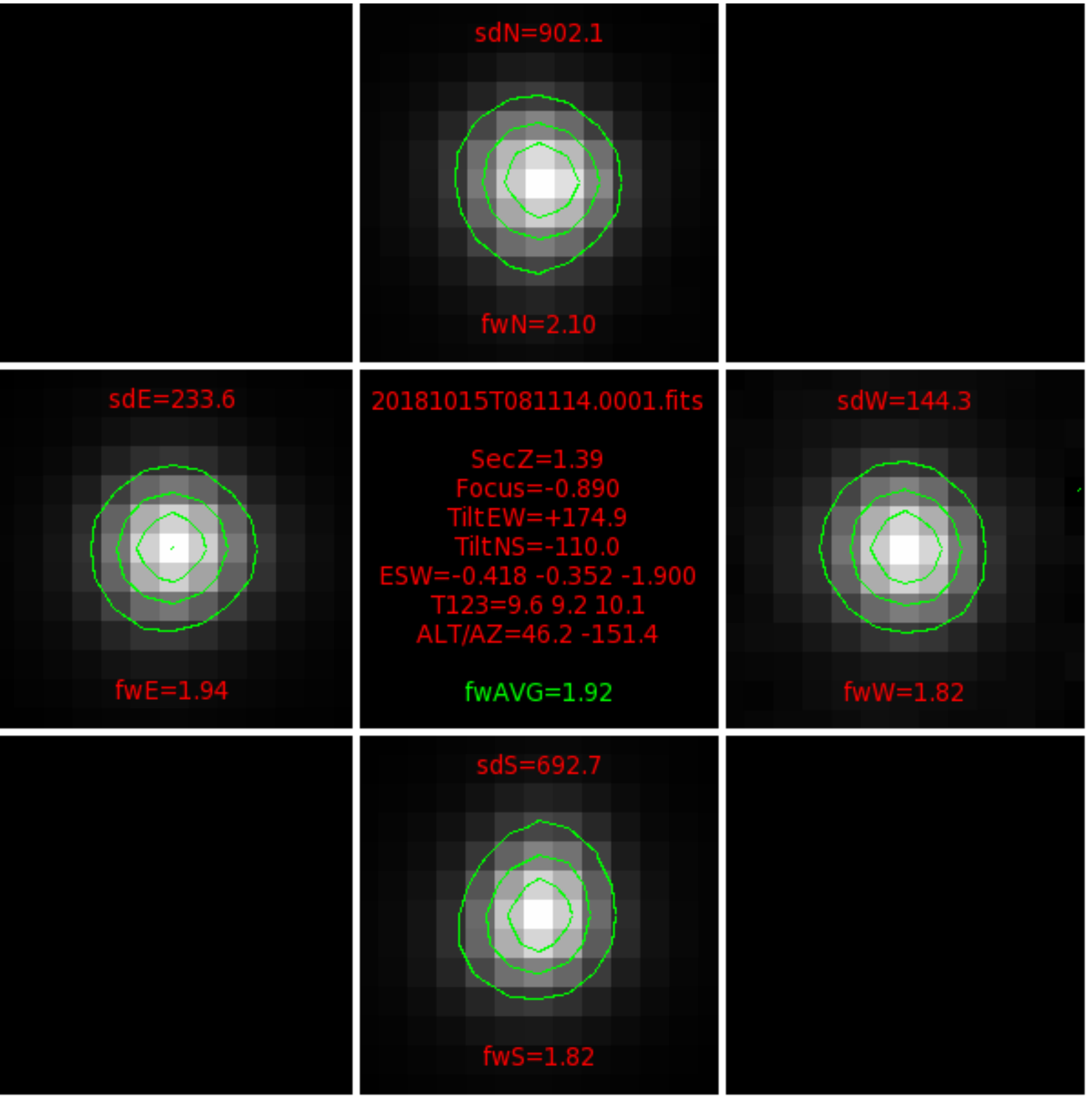
sdN=902.1
fwN=2.10
sdE=233.6
fwE=1.94
20181015T081114.0001.fits
SecZ=1.39
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.6 9.2 10.1
ALT/AZ=46.2 -151.4
fwAVG=1.92
sdW=144.3
fwW=1.82
sdS=692.7
fwS=1.82
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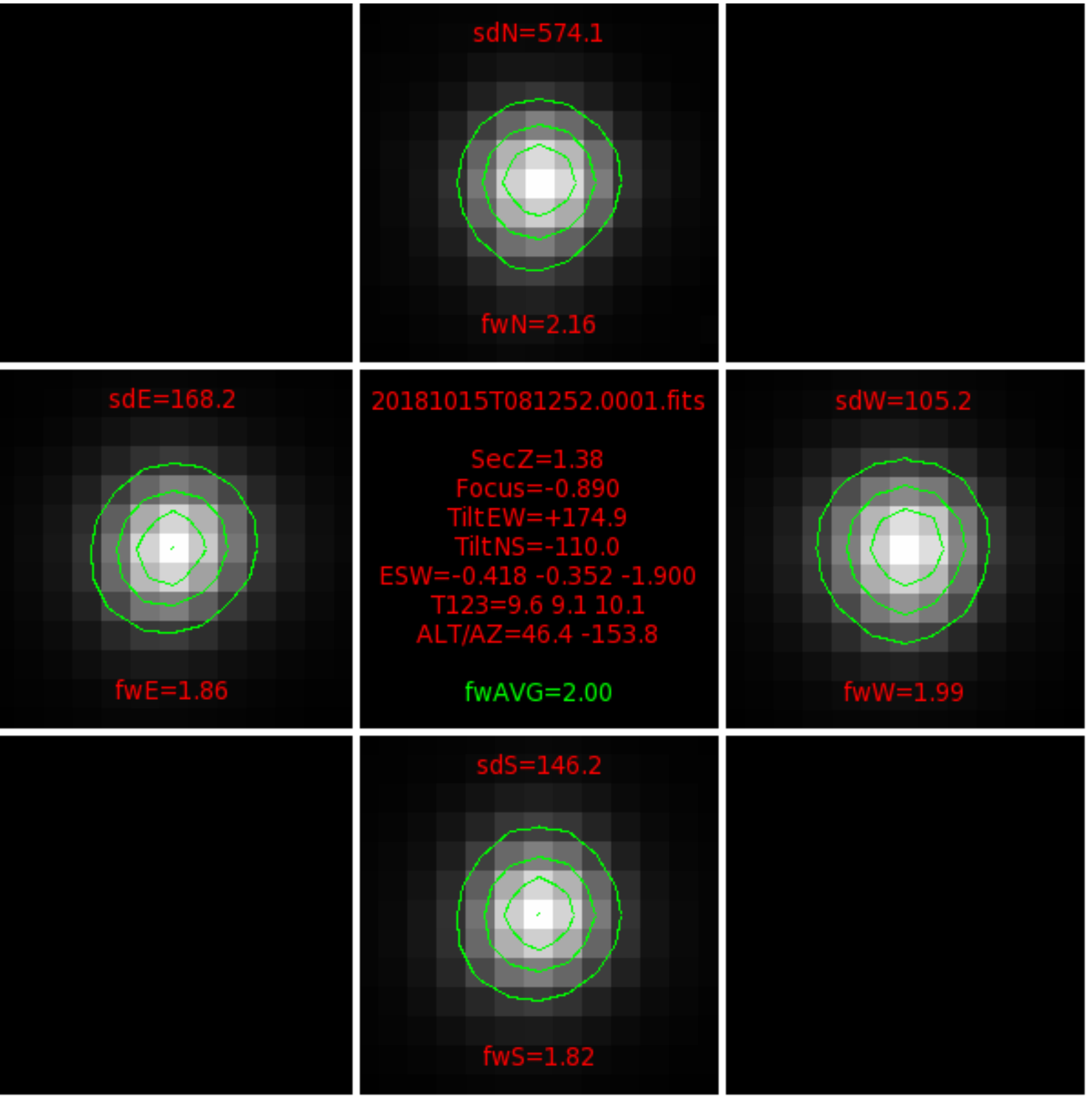
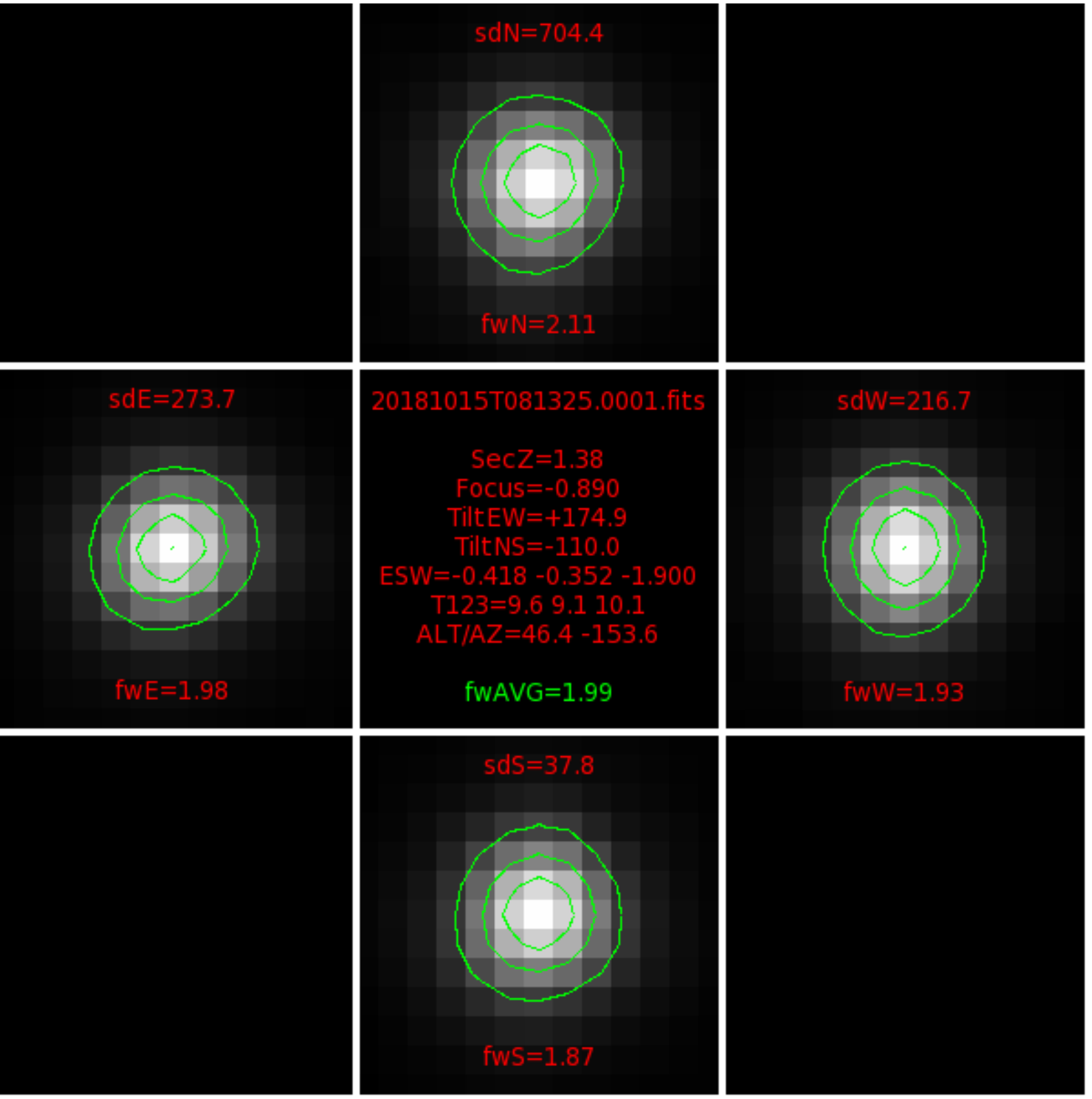
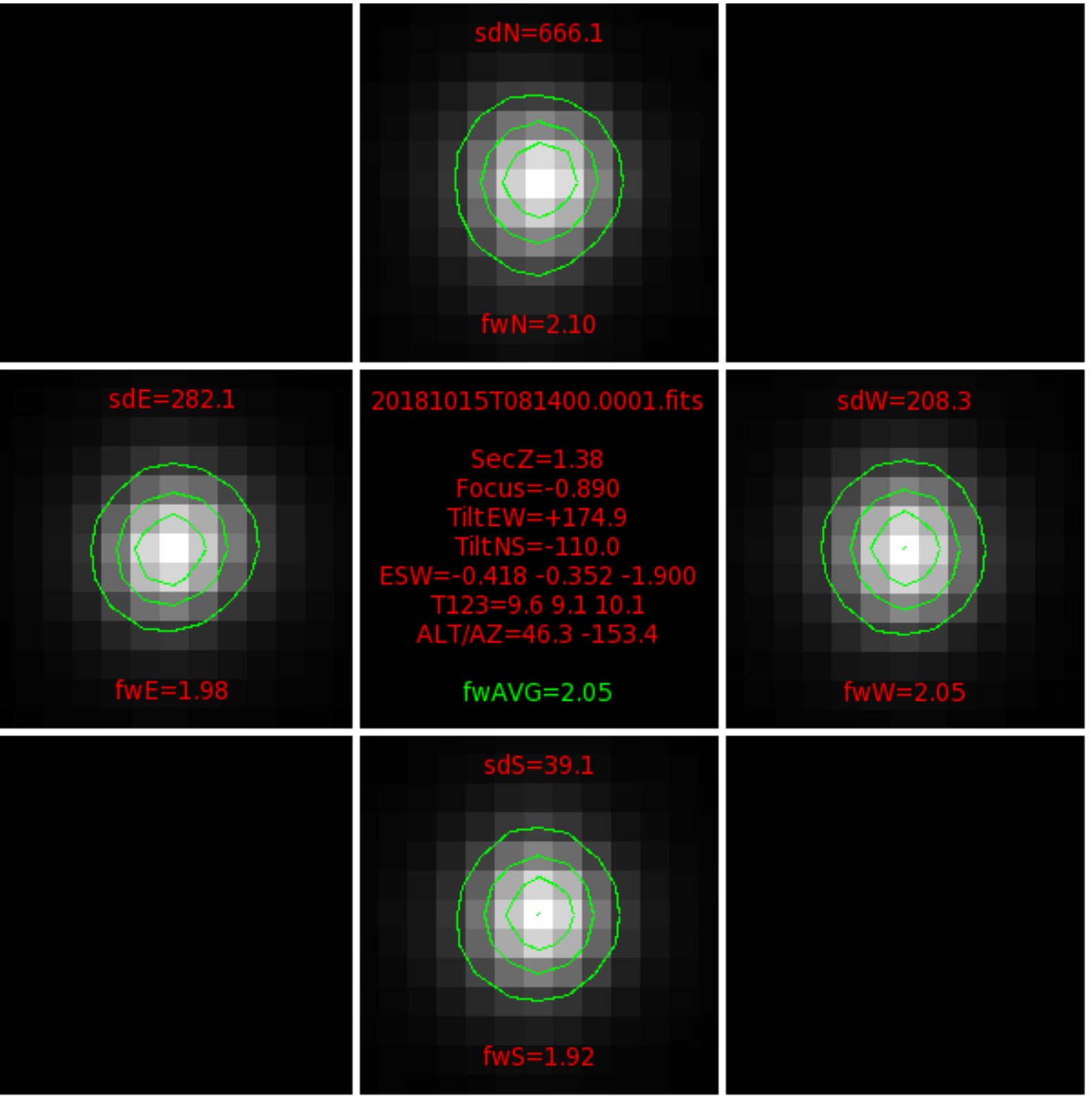

sdN=574.1
fwN=2.16
sdE=168.2
fwE=1.86
20181015T081252.0001.fits
SecZ=1.38
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.6 9.1 10.1
ALT/AZ=46.4 -153.8
fwAVG=2.00
sdW=105.2
fwW=1.99
sdS=146.2
fwS=1.82
0 0 0 0 0 0 0 0 0


sdN=704.4
fwN=2.11
sdE=273.7
fwE=1.98
20181015T081325.0001.fits
SecZ=1.38
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.6 9.1 10.1
ALT/AZ=46.4 -153.6
fwAVG=1.99
sdW=216.7
fwW=1.93
sdS=37.8
fwS=1.87
0 0 0 0 0 0 0 0 0


sdN=666.1
fwN=2.10
sdE=282.1
fwE=1.98
20181015T081400.0001.fits
SecZ=1.38
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.6 9.1 10.1
ALT/AZ=46.3 -153.4
fwAVG=2.05
sdW=208.3
fwW=2.05
sdS=39.1
fwS=1.92
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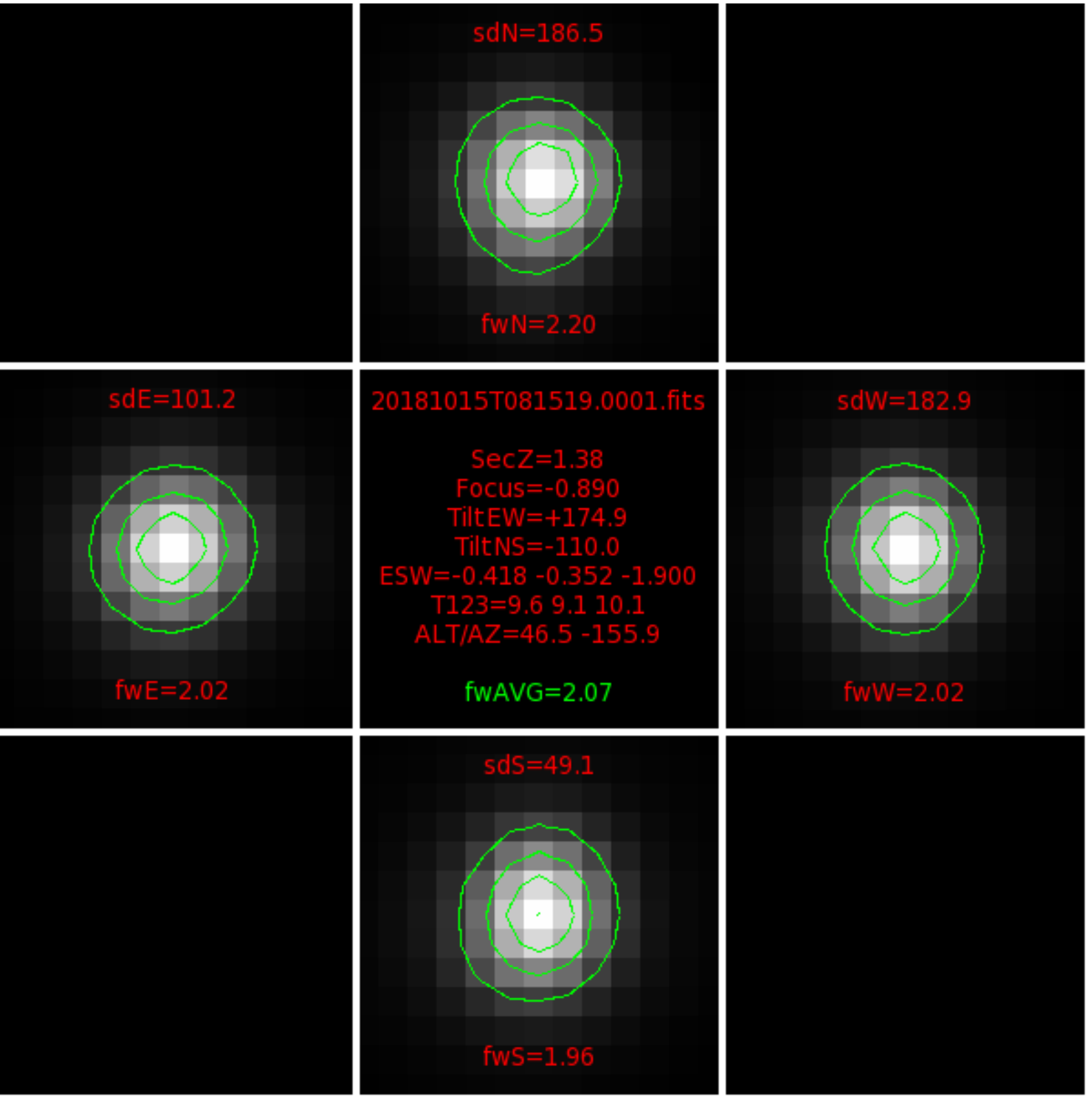
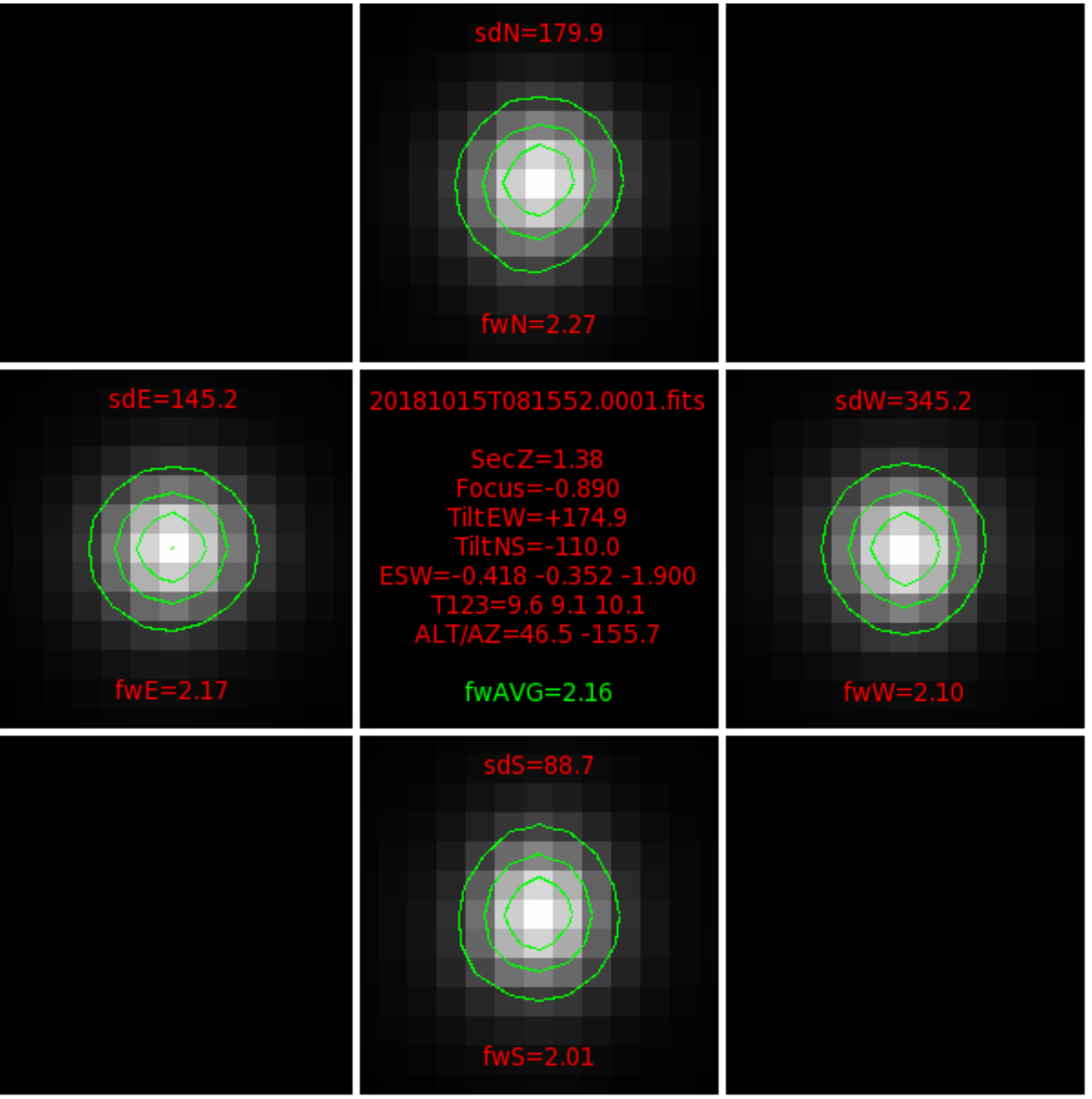

sdN=186.5
fwN=2.20
sdE=101.2
fwE=2.02
20181015T081519.0001.fits
SecZ=1.38
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.6 9.1 10.1
ALT/AZ=46.5 -155.9
fwAVG=2.07
sdW=182.9
fwW=2.02
sdS=49.1
fwS=1.96
0 0 0 0 0 0 0 0 0


sdN=179.9
fwN=2.27
sdE=145.2
fwE=2.17
20181015T081552.0001.fits
SecZ=1.38
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.6 9.1 10.1
ALT/AZ=46.5 -155.7
fwAVG=2.16
sdW=345.2
fwW=2.10
sdS=88.7
fwS=2.01
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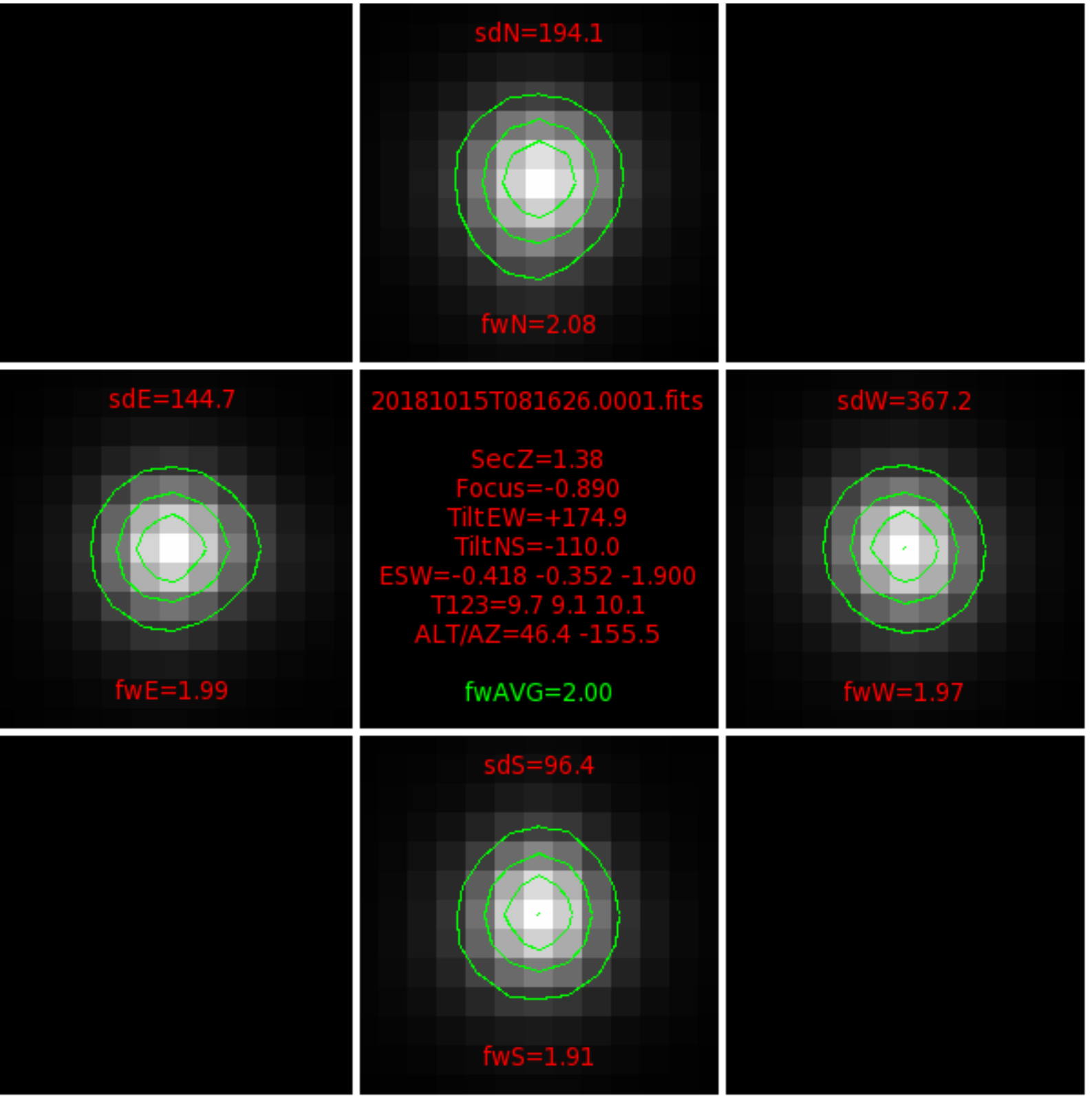
sdN=194.1
fwN=2.08
sdE=144.7
fwE=1.99
20181015T081626.0001.fits
SecZ=1.38
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.7 9.1 10.1
ALT/AZ=46.4 -155.5
fwAVG=2.00
sdW=367.2
fwW=1.97
sdS=96.4
fwS=1.91
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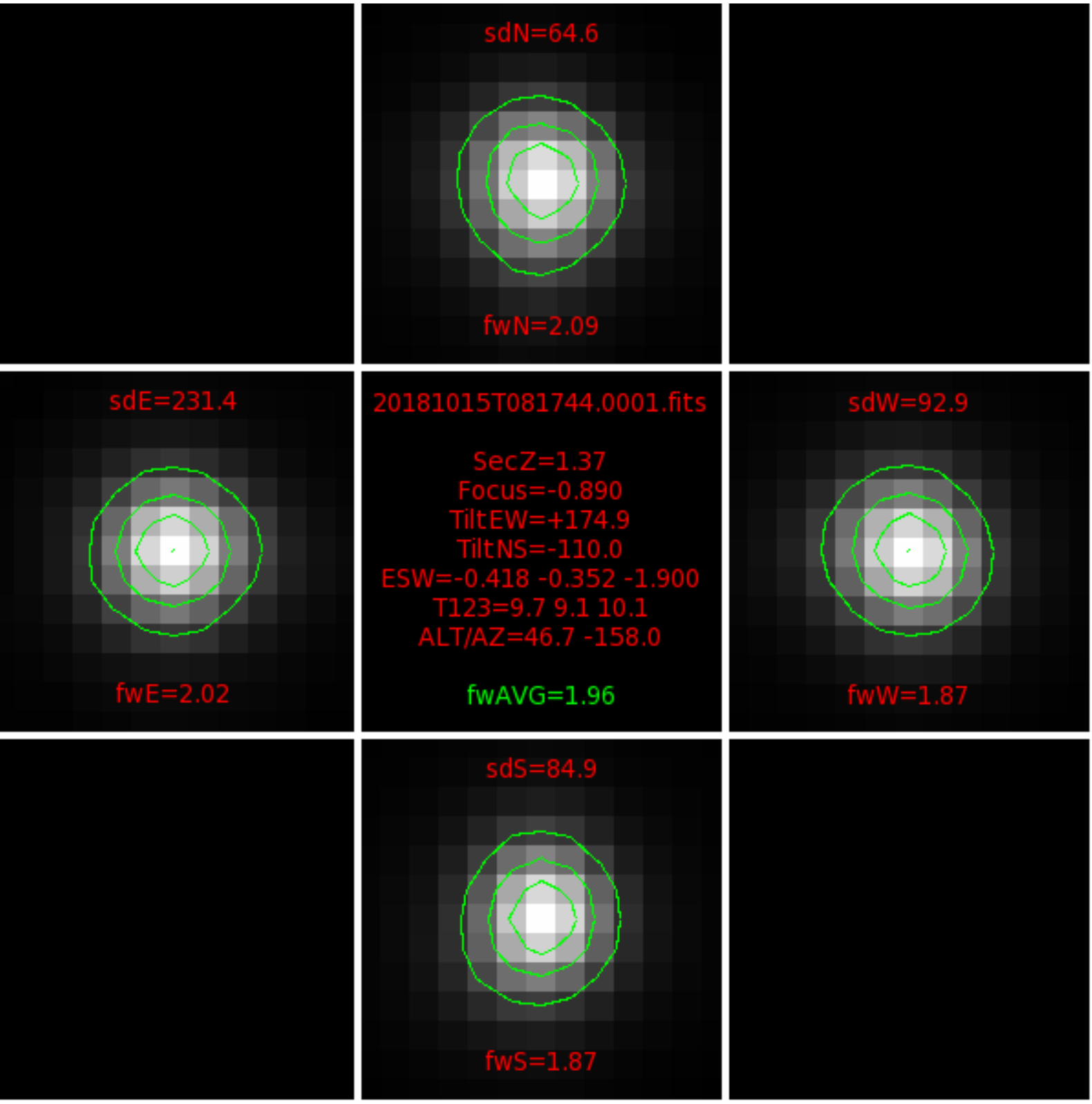
sdN=64.6
fwN=2.09
sdE=231.4
fwE=2.02
20181015T081744.0001.fits
SecZ=1.37
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.7 9.1 10.1
ALT/AZ=46.7 -158.0
fwAVG=1.96
sdW=92.9
fwW=1.87
sdS=84.9
fwS=1.87
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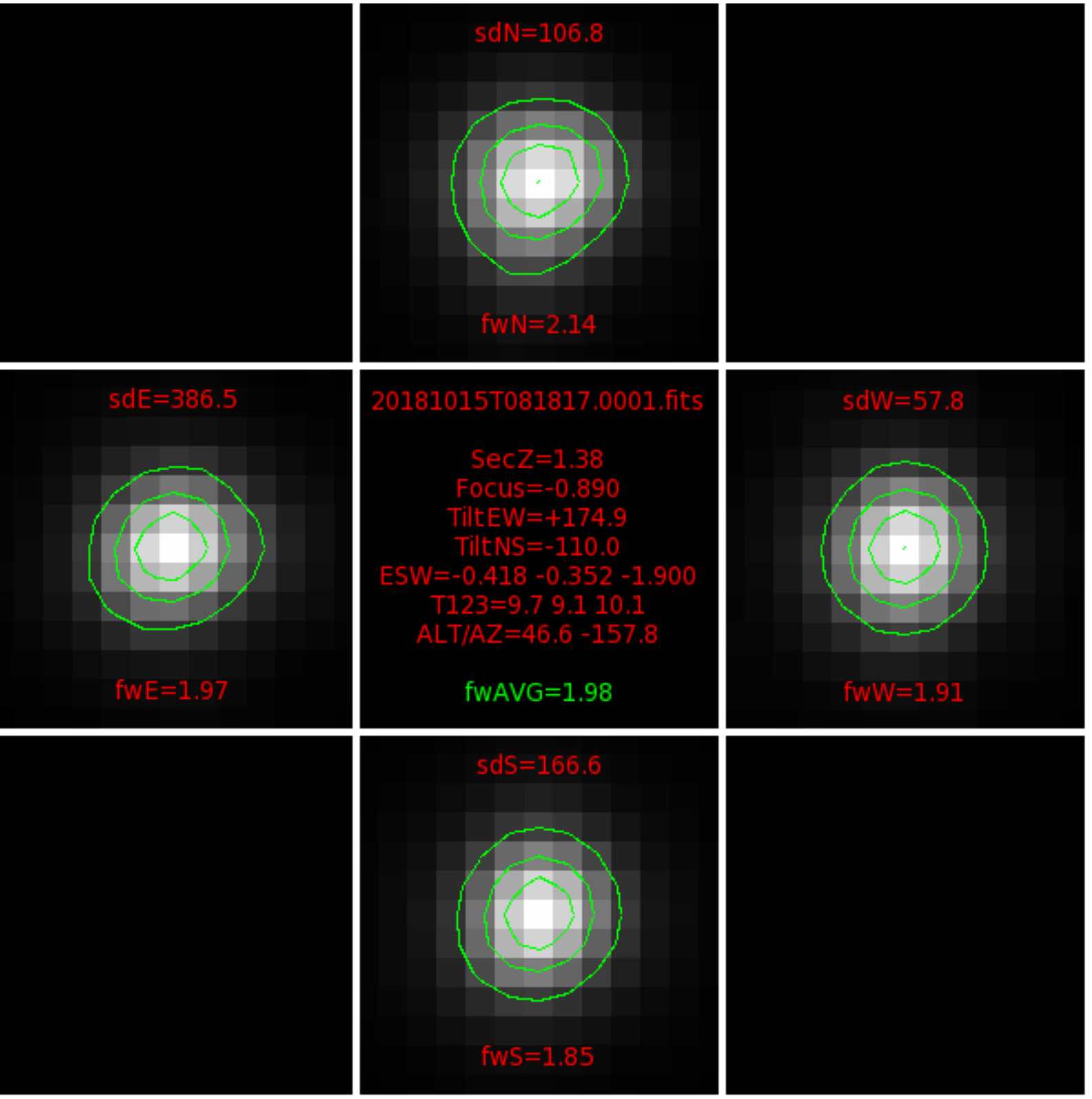
sdN=106.8
fwN=2.14
sdE=386.5
fwE=1.97
20181015T081817.0001.fits
SecZ=1.38
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.7 9.1 10.1
ALT/AZ=46.6 -157.8
fwAVG=1.98
sdW=57.8
fwW=1.91
sdS=166.6
fwS=1.85
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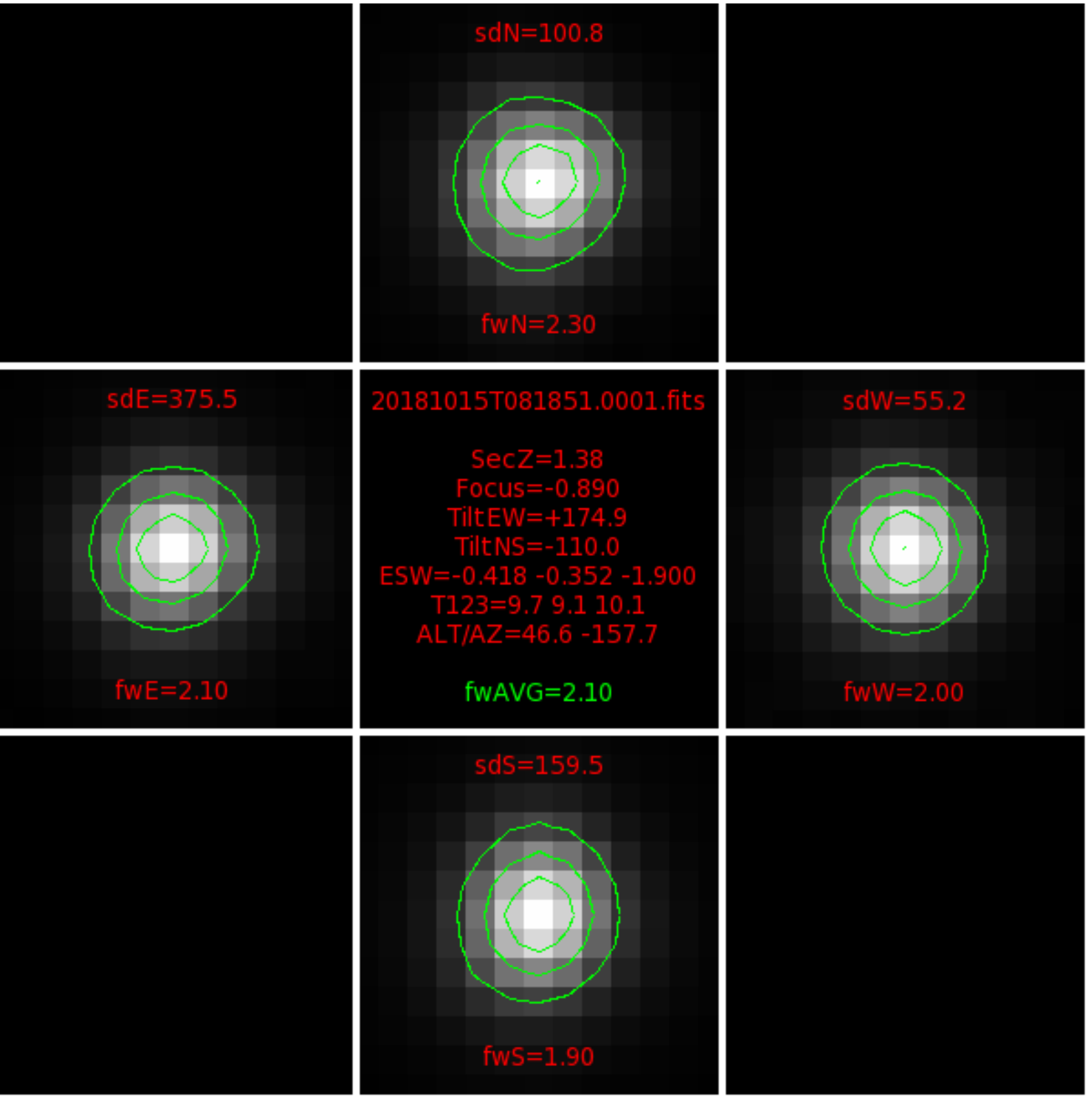
sdN=100.8
fwN=2.30
sdE=375.5
fwE=2.10
20181015T081851.0001.fits
SecZ=1.38
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.7 9.1 10.1
ALT/AZ=46.6 -157.7
fwAVG=2.10
sdW=55.2
fwW=2.00
sdS=159.5
fwS=1.90
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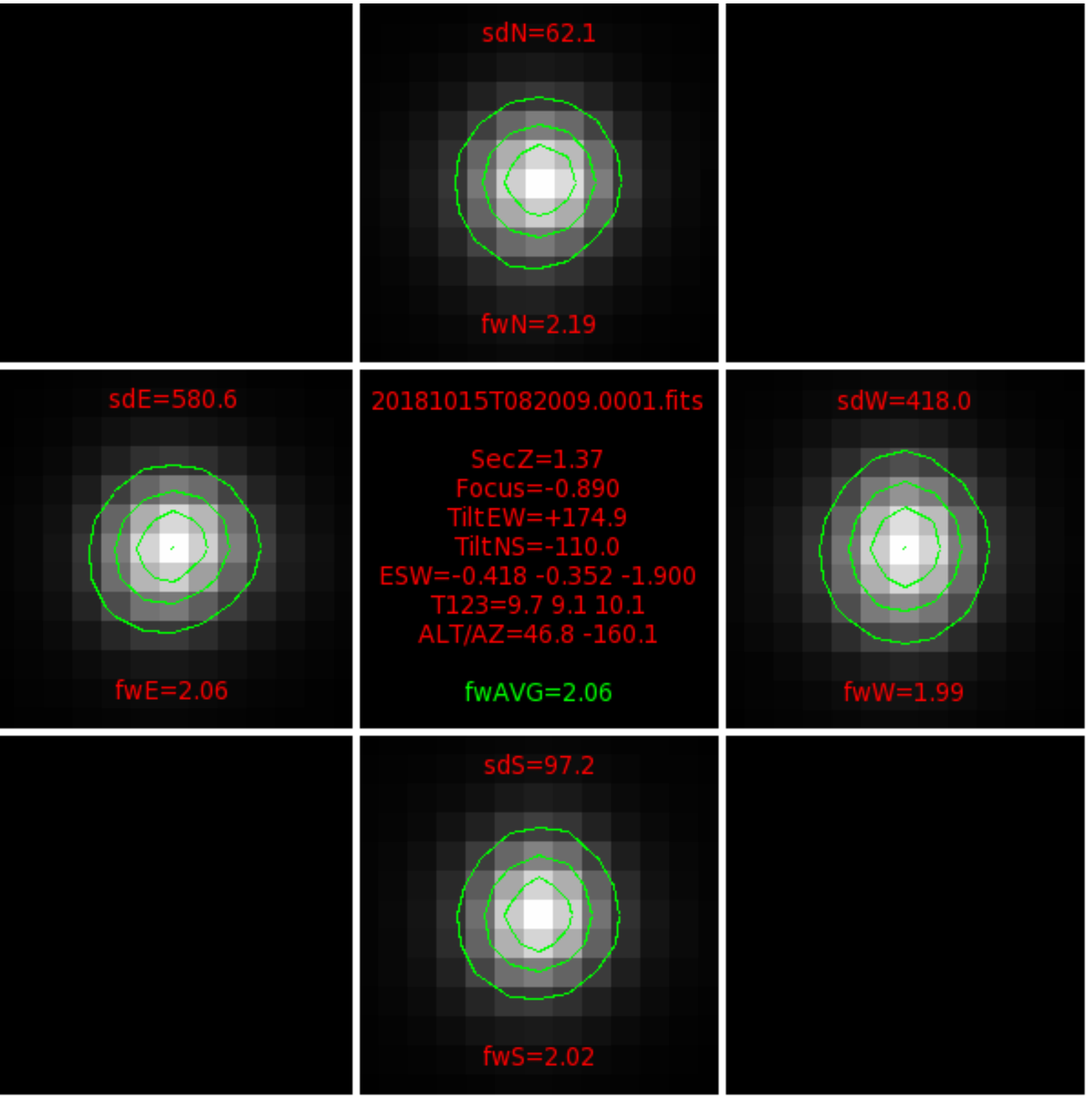
sdN=62.1
fwN=2.19
sdE=580.6
fwE=2.06
20181015T082009.0001.fits
SecZ=1.37
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.7 9.1 10.1
ALT/AZ=46.8 -160.1
fwAVG=2.06
sdW=418.0
fwW=1.99
sdS=97.2
fwS=2.02
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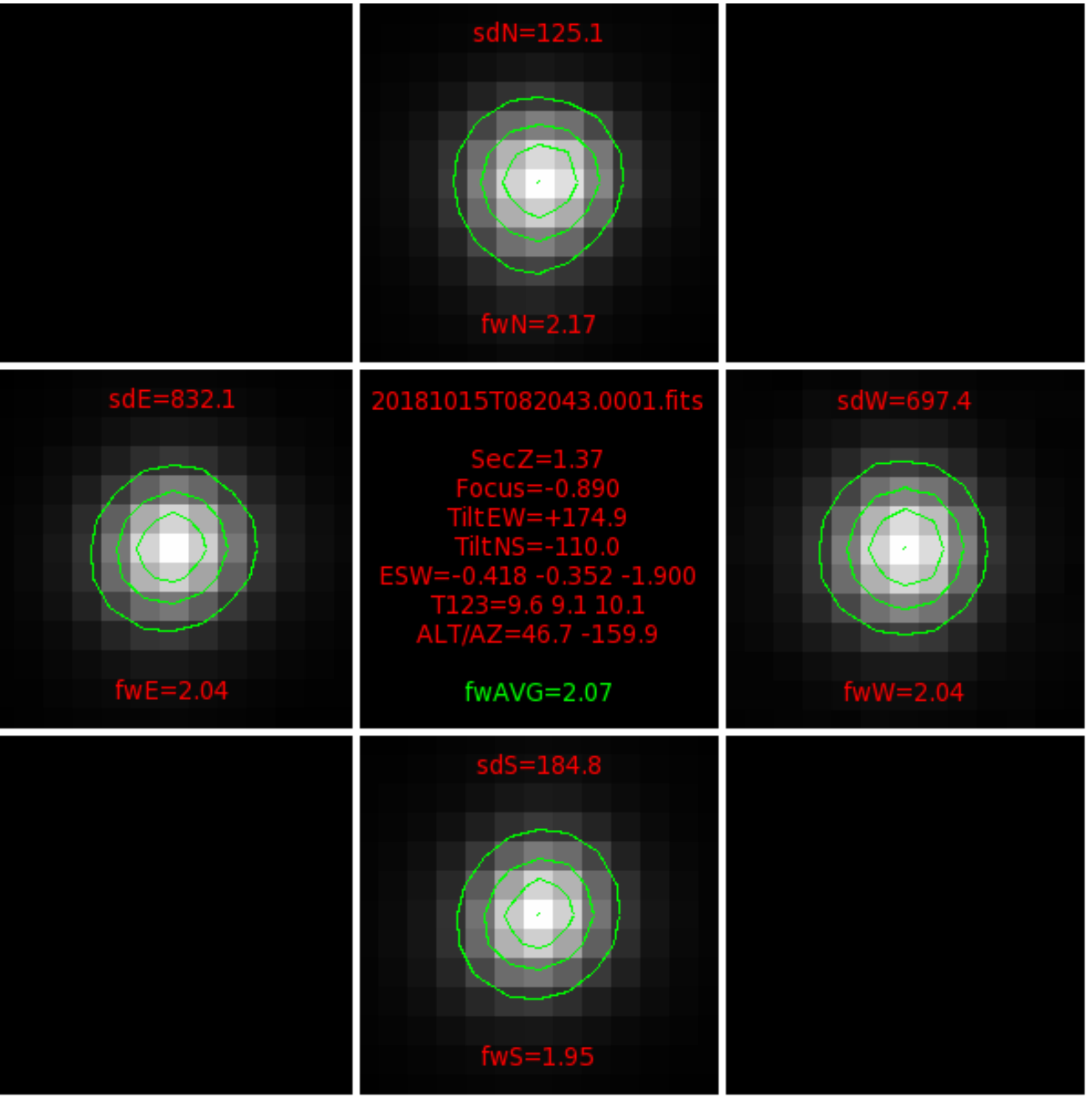
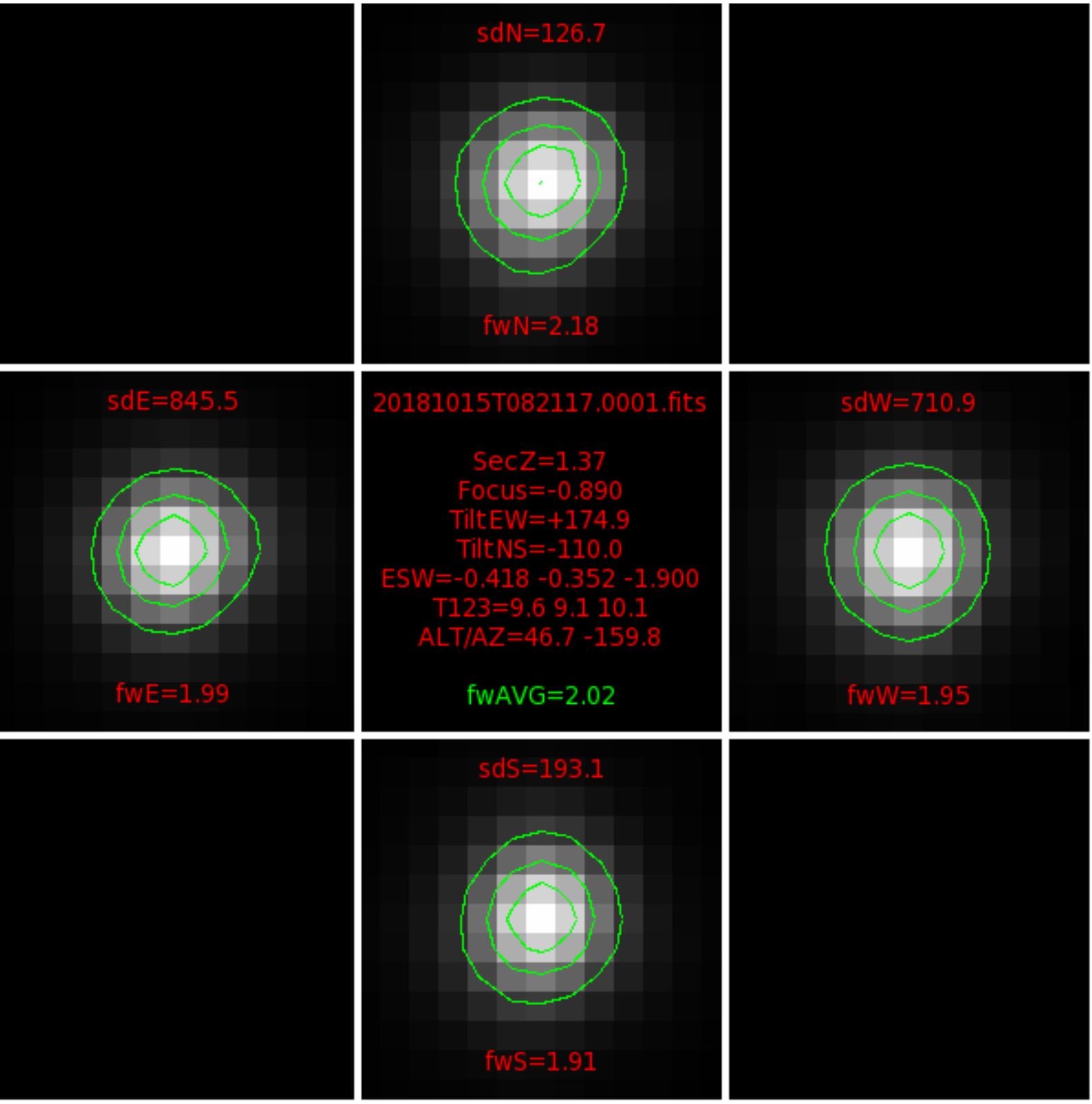
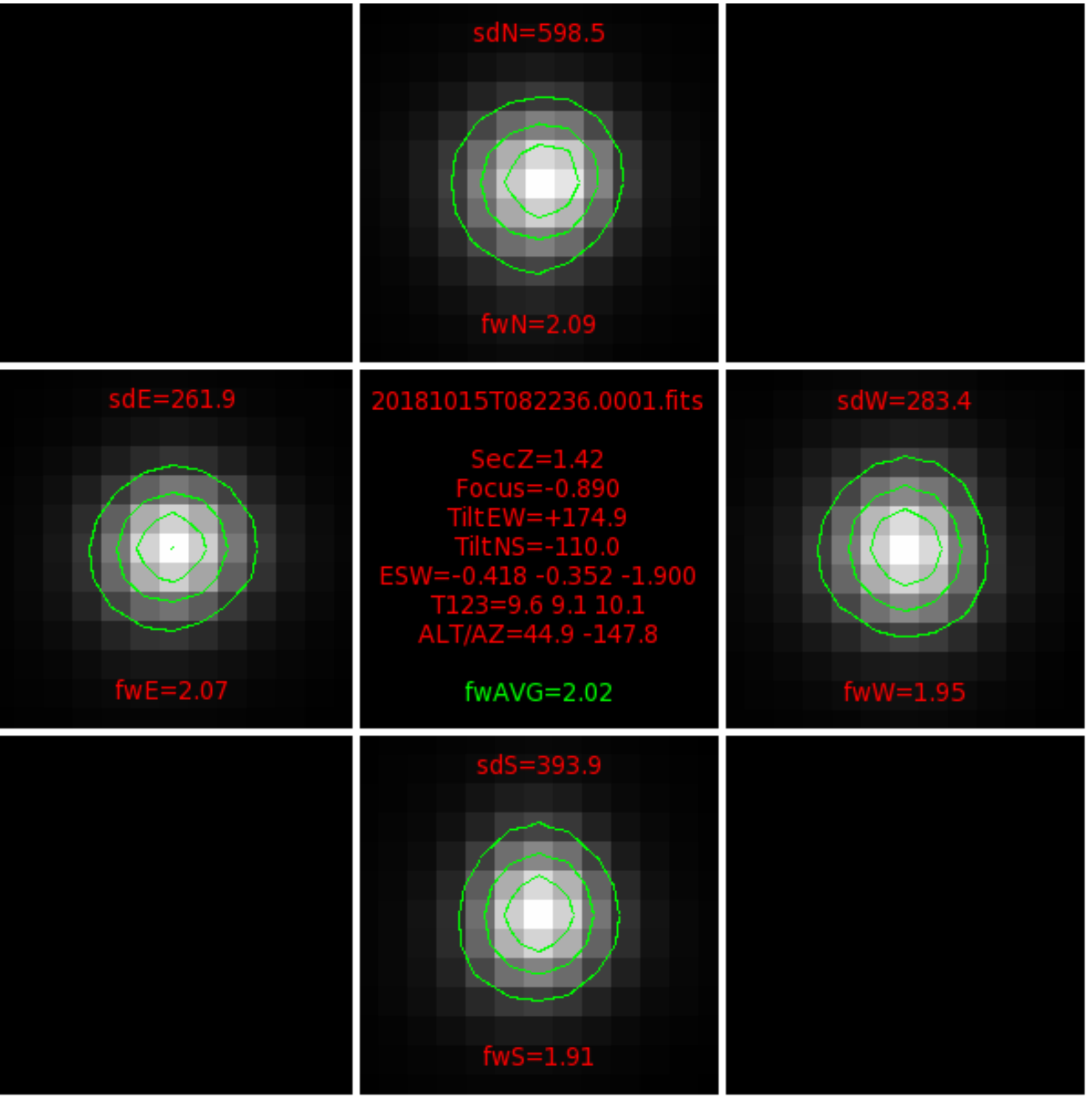

sdN=125.1
fwN=2.17
sdE=832.1
fwE=2.04
20181015T082043.0001.fits
SecZ=1.37
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.6 9.1 10.1
ALT/AZ=46.7 -159.9
fwAVG=2.07
sdW=697.4
fwW=2.04
sdS=184.8
fwS=1.95
0 0 0 0 0 0 0 0 0


sdN=126.7
fwN=2.18
sdE=845.5
fwE=1.99
20181015T082117.0001.fits
SecZ=1.37
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.6 9.1 10.1
ALT/AZ=46.7 -159.8
fwAVG=2.02
sdW=710.9
fwW=1.95
sdS=193.1
fwS=1.91
0 0 0 0 0 0 0 0 0


sdN=598.5
fwN=2.09
sdE=261.9
fwE=2.07
20181015T082236.0001.fits
SecZ=1.42
Focus=-0.890
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.418 -0.352 -1.900
T123=9.6 9.1 10.1
ALT/AZ=44.9 -147.8
fwAVG=2.02
sdW=283.4
fwW=1.95
sdS=393.9
fwS=1.91
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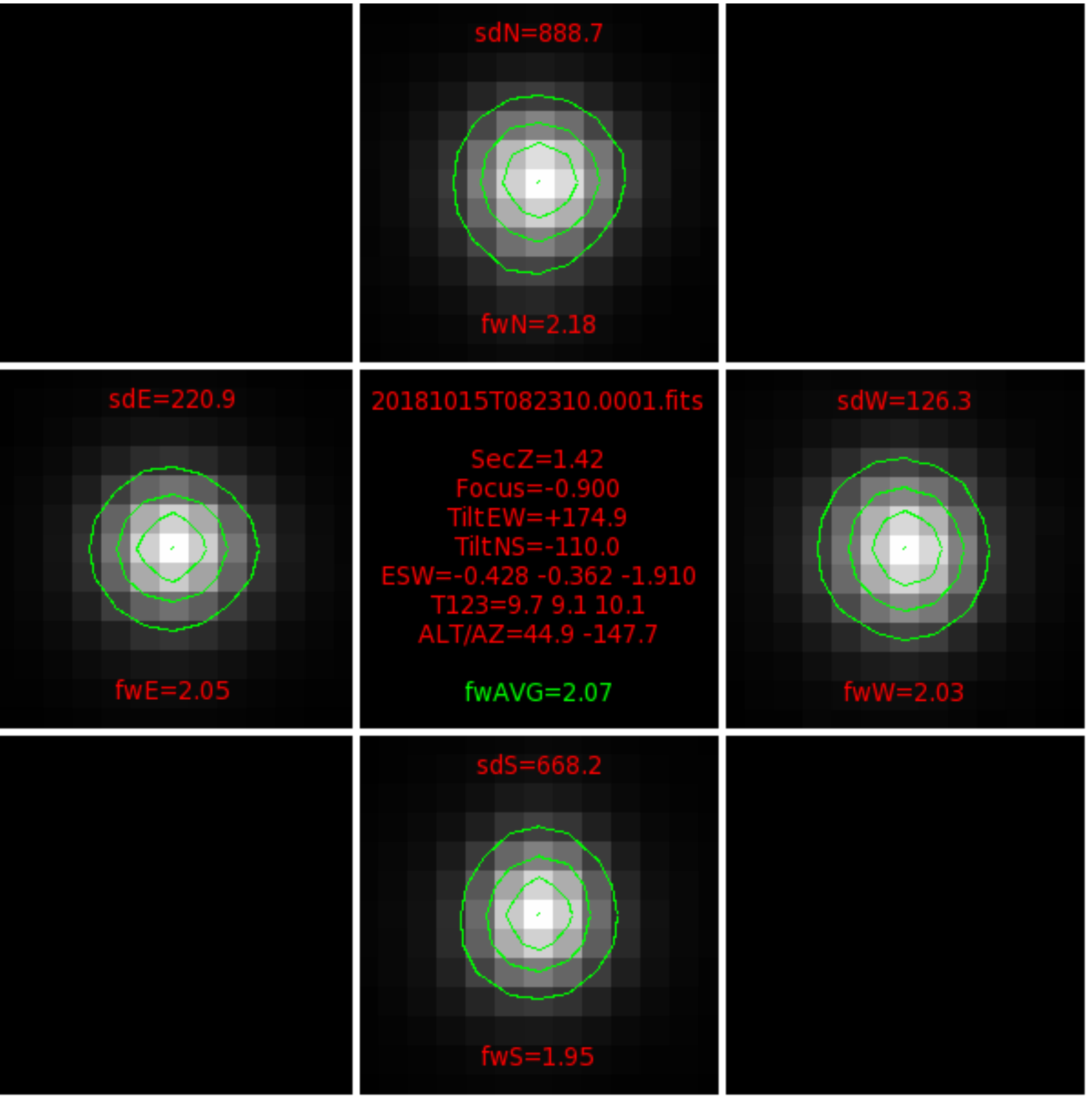
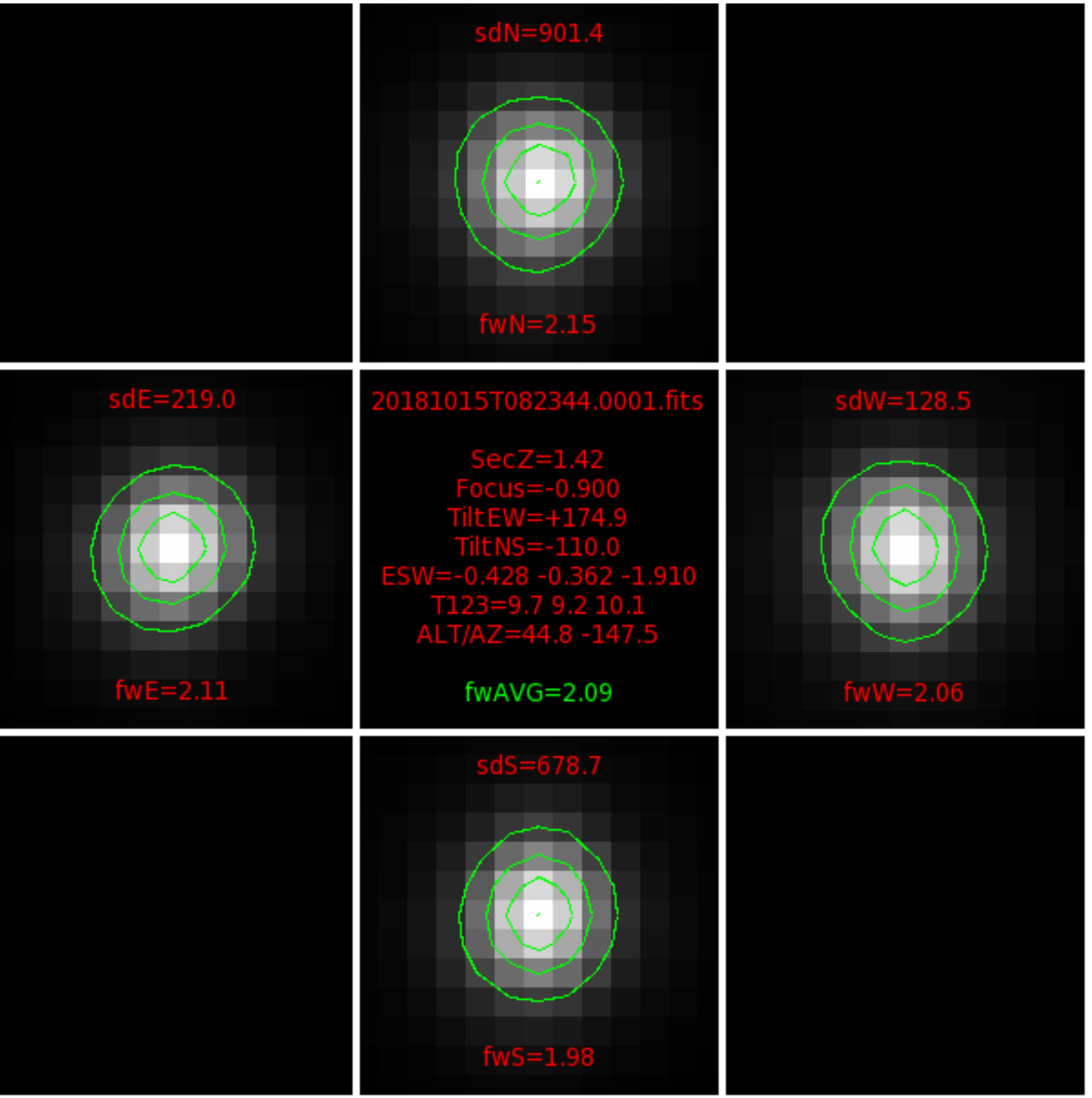

sdN=888.7
fwN=2.18
sdE=220.9
fwE=2.05
20181015T082310.0001.fits
SecZ=1.42
Focus=-0.900
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.428 -0.362 -1.910
T123=9.7 9.1 10.1
ALT/AZ=44.9 -147.7
fwAVG=2.07
sdW=126.3
fwW=2.03
sdS=668.2
fwS=1.95
0 0 0 0 0 0 0 0 0


sdN=901.4
fwN=2.15
sdE=219.0
fwE=2.11
20181015T082344.0001.fits
SecZ=1.42
Focus=-0.900
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.428 -0.362 -1.910
T123=9.7 9.2 10.1
ALT/AZ=44.8 -147.5
fwAVG=2.09
sdW=128.5
fwW=2.06
sdS=678.7
fwS=1.98
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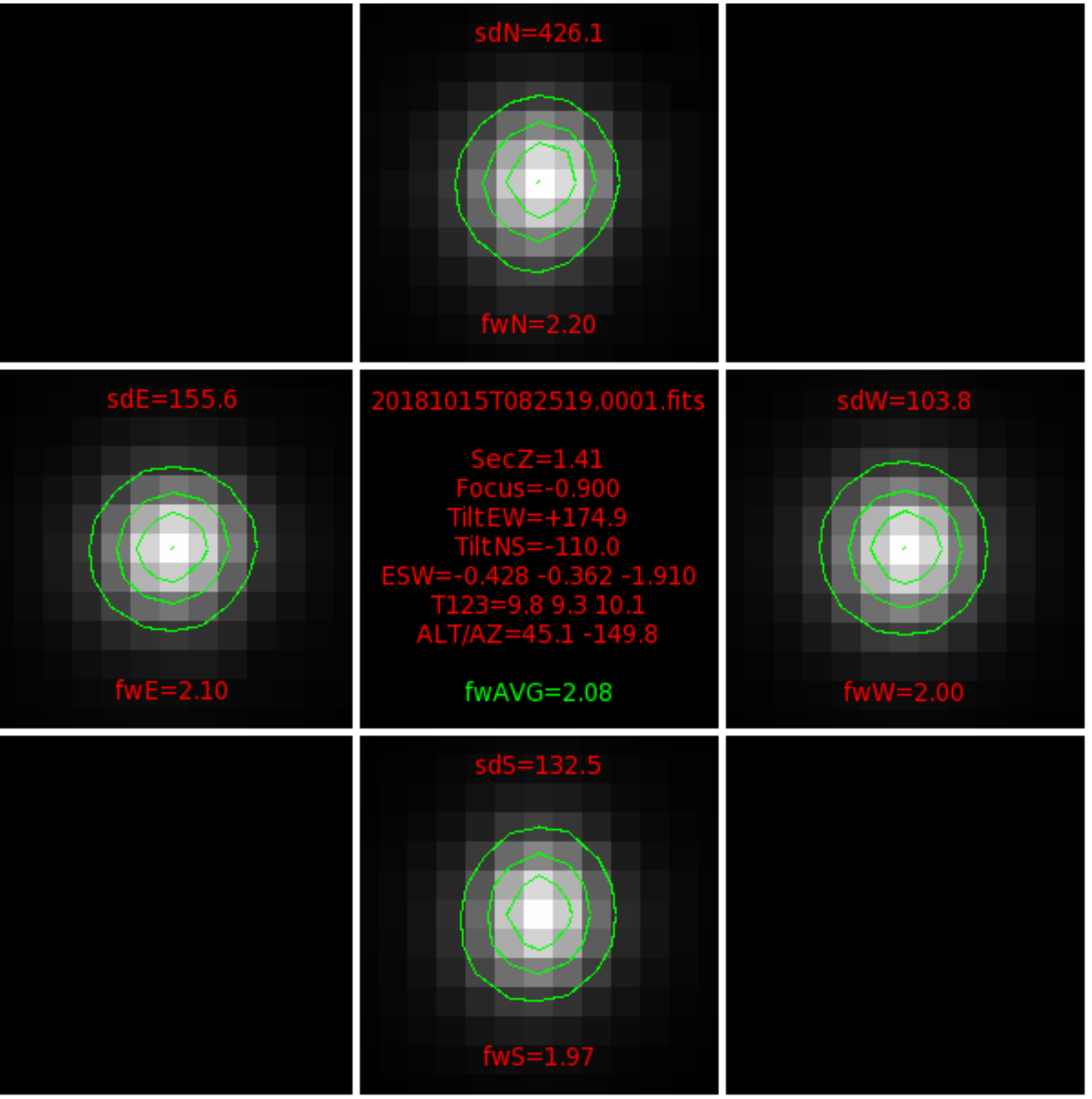
sdN=426.1
fwN=2.20
sdE=155.6
fwE=2.10
20181015T082519.0001.fits
SecZ=1.41
Focus=-0.900
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.428 -0.362 -1.910
T123=9.8 9.3 10.1
ALT/AZ=45.1 -149.8
fwAVG=2.08
sdW=103.8
fwW=2.00
sdS=132.5
fwS=1.97
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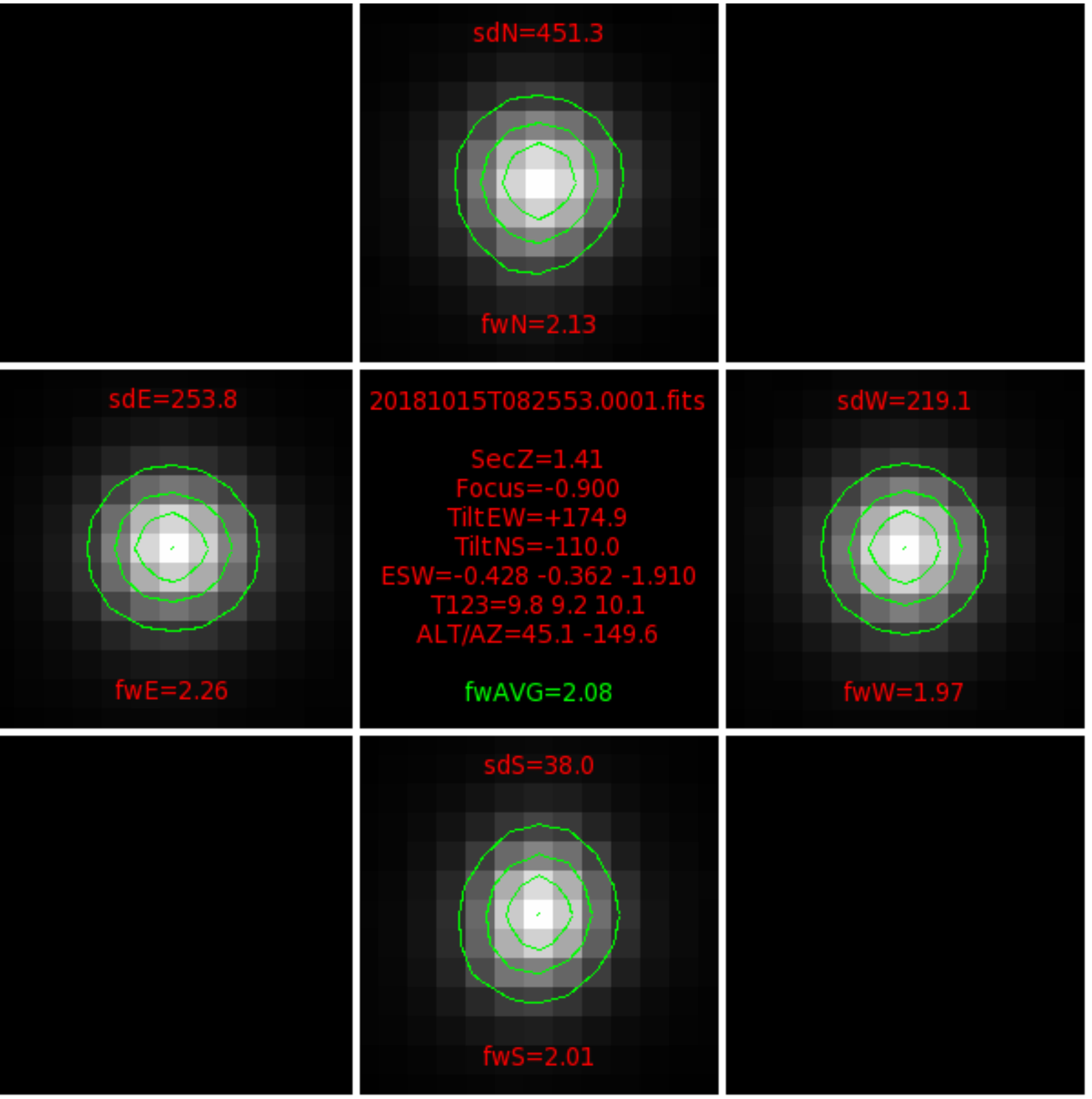
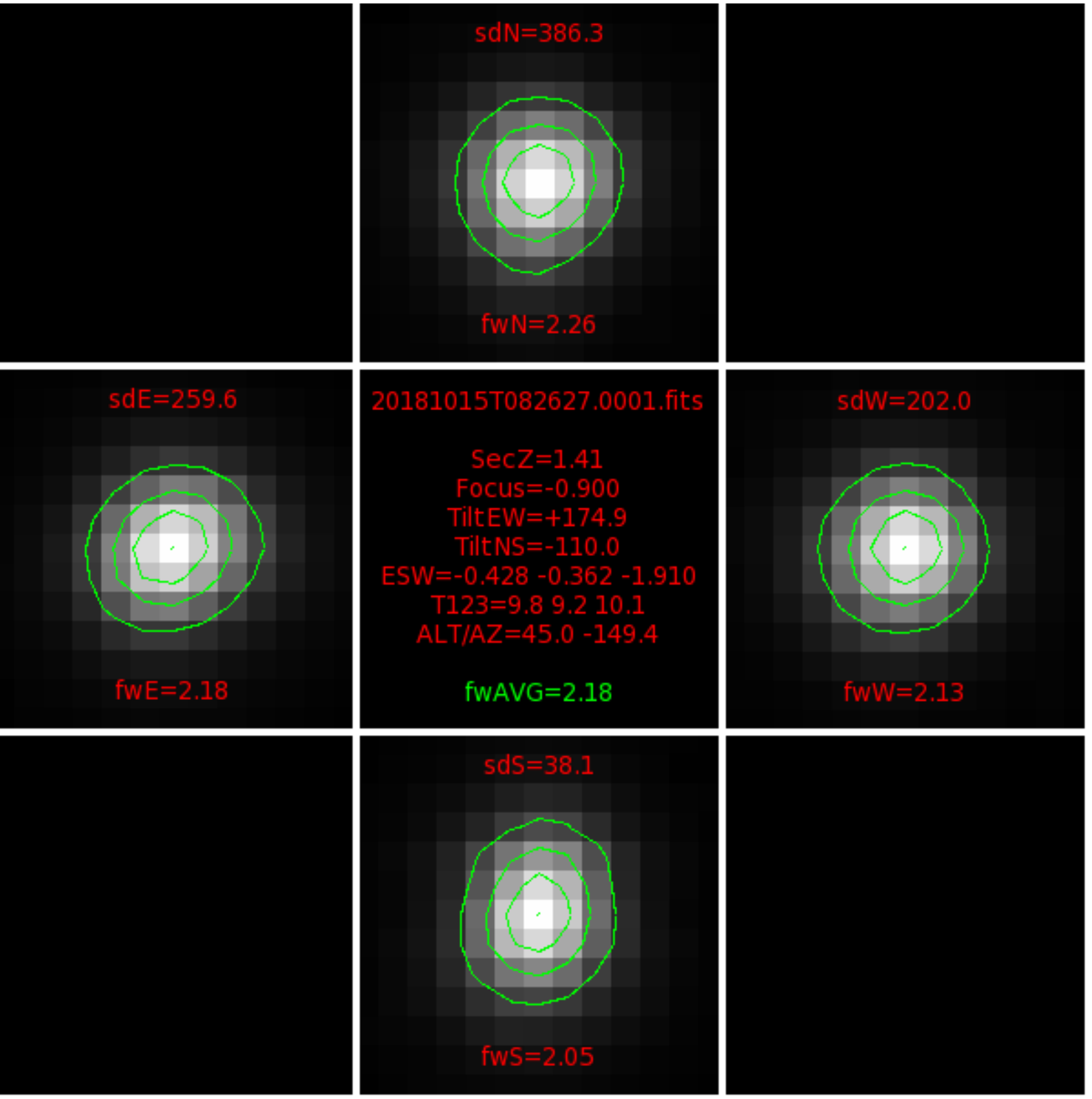

sdN=451.3
fwN=2.13
sdE=253.8
fwE=2.26
20181015T082553.0001.fits
SecZ=1.41
Focus=-0.900
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.428 -0.362 -1.910
T123=9.8 9.2 10.1
ALT/AZ=45.1 -149.6
fwAVG=2.08
sdW=219.1
fwW=1.97
sdS=38.0
fwS=2.01
0 0 0 0 0 0 0 0 0


sdN=386.3
fwN=2.26
sdE=259.6
fwE=2.18
20181015T082627.0001.fits
SecZ=1.41
Focus=-0.900
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.428 -0.362 -1.910
T123=9.8 9.2 10.1
ALT/AZ=45.0 -149.4
fwAVG=2.18
sdW=202.0
fwW=2.13
sdS=38.1
fwS=2.05
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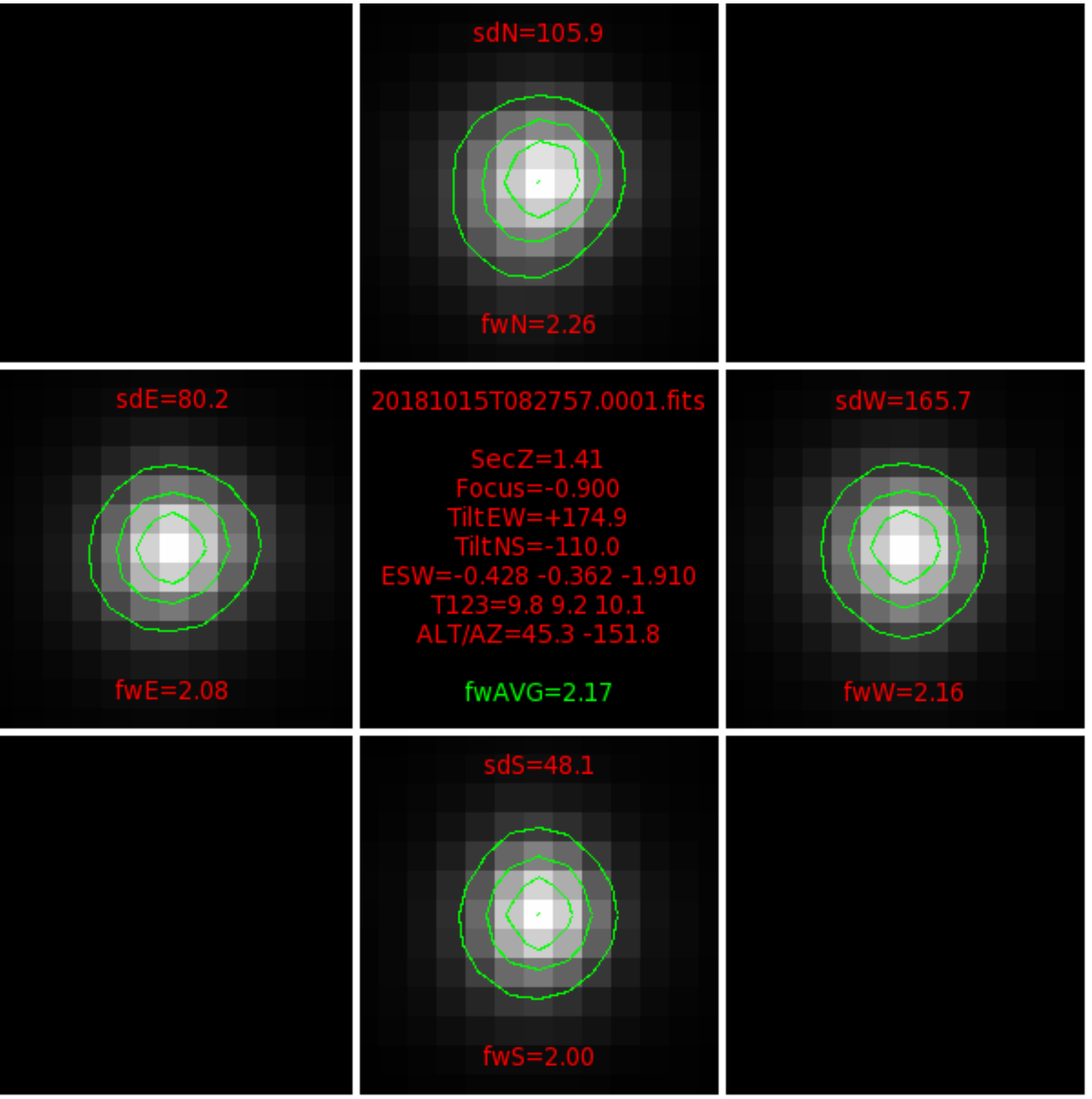
sdN=105.9
fwN=2.26
sdE=80.2
fwE=2.08
20181015T082757.0001.fits
SecZ=1.41
Focus=-0.900
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.428 -0.362 -1.910
T123=9.8 9.2 10.1
ALT/AZ=45.3 -151.8
fwAVG=2.17
sdW=165.7
fwW=2.16
sdS=48.1
fwS=2.00
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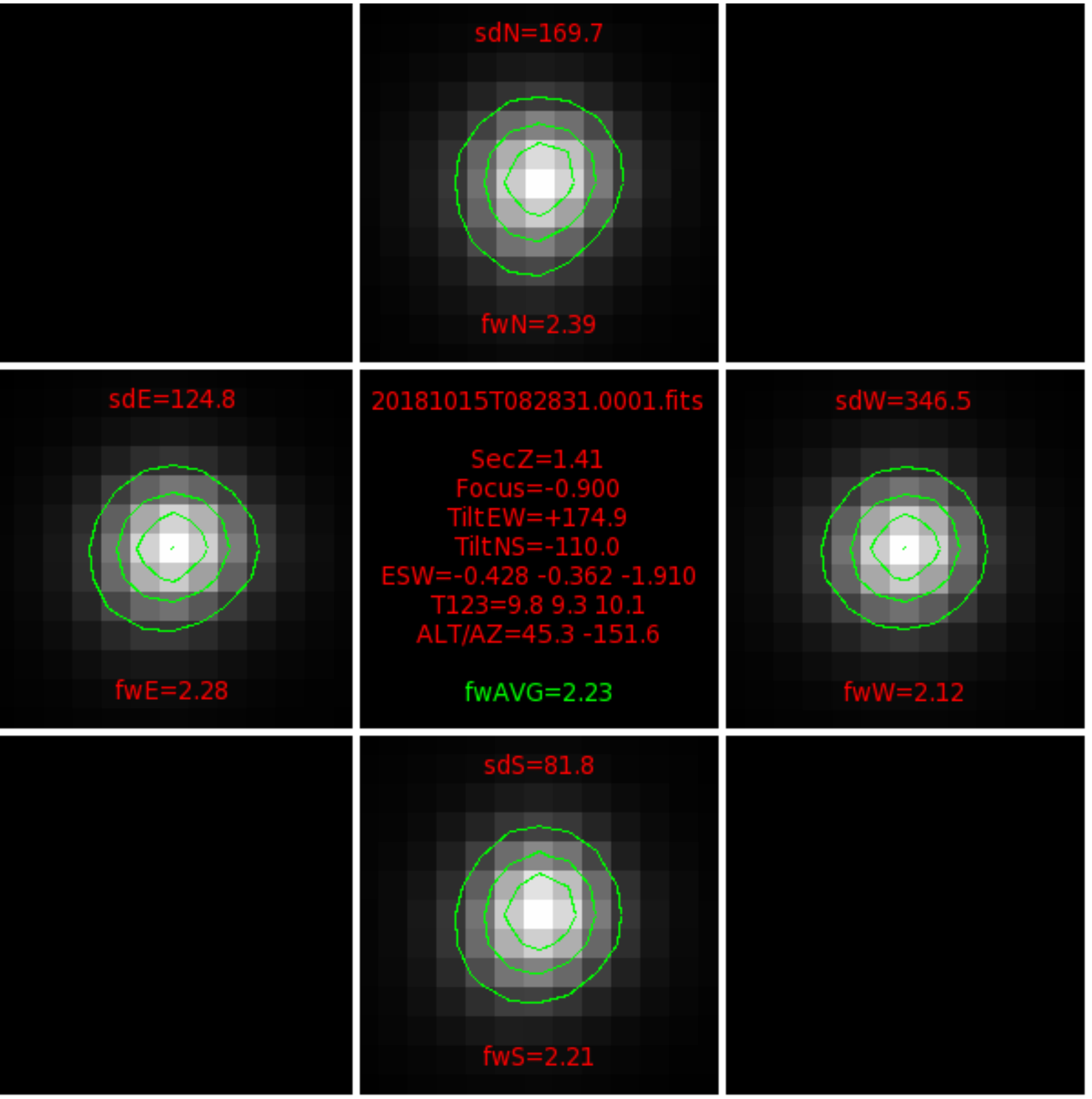
sdN=169.7
fwN=2.39
sdE=124.8
fwE=2.28
20181015T082831.0001.fits
SecZ=1.41
Focus=-0.900
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.428 -0.362 -1.910
T123=9.8 9.3 10.1
ALT/AZ=45.3 -151.6
fwAVG=2.23
sdW=346.5
fwW=2.12
sdS=81.8
fwS=2.21
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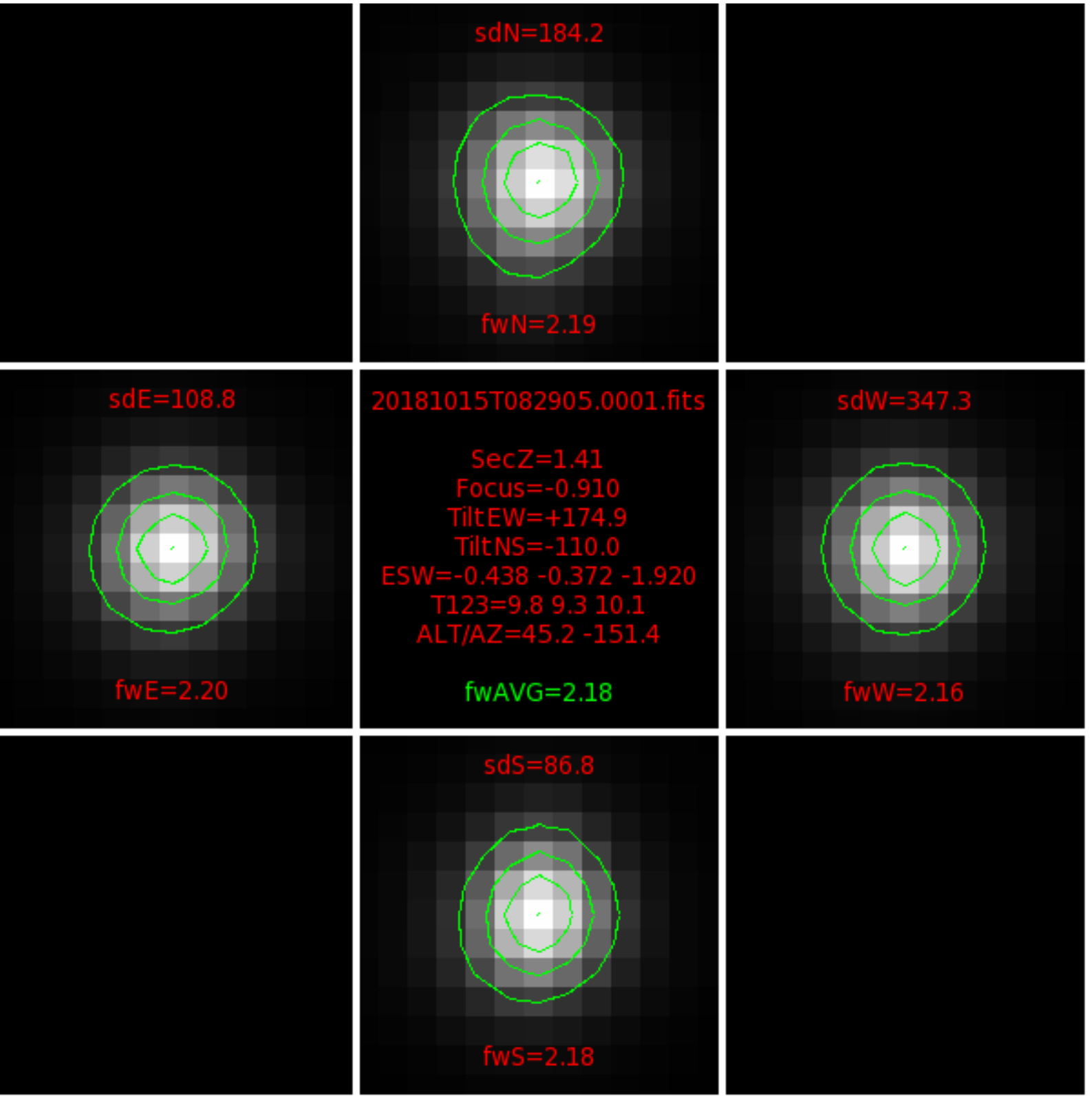
sdN=184.2
fwN=2.19
sdE=108.8
fwE=2.20
20181015T082905.0001.fits
SecZ=1.41
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.8 9.3 10.1
ALT/AZ=45.2 -151.4
fwAVG=2.18
sdW=347.3
fwW=2.16
sdS=86.8
fwS=2.18
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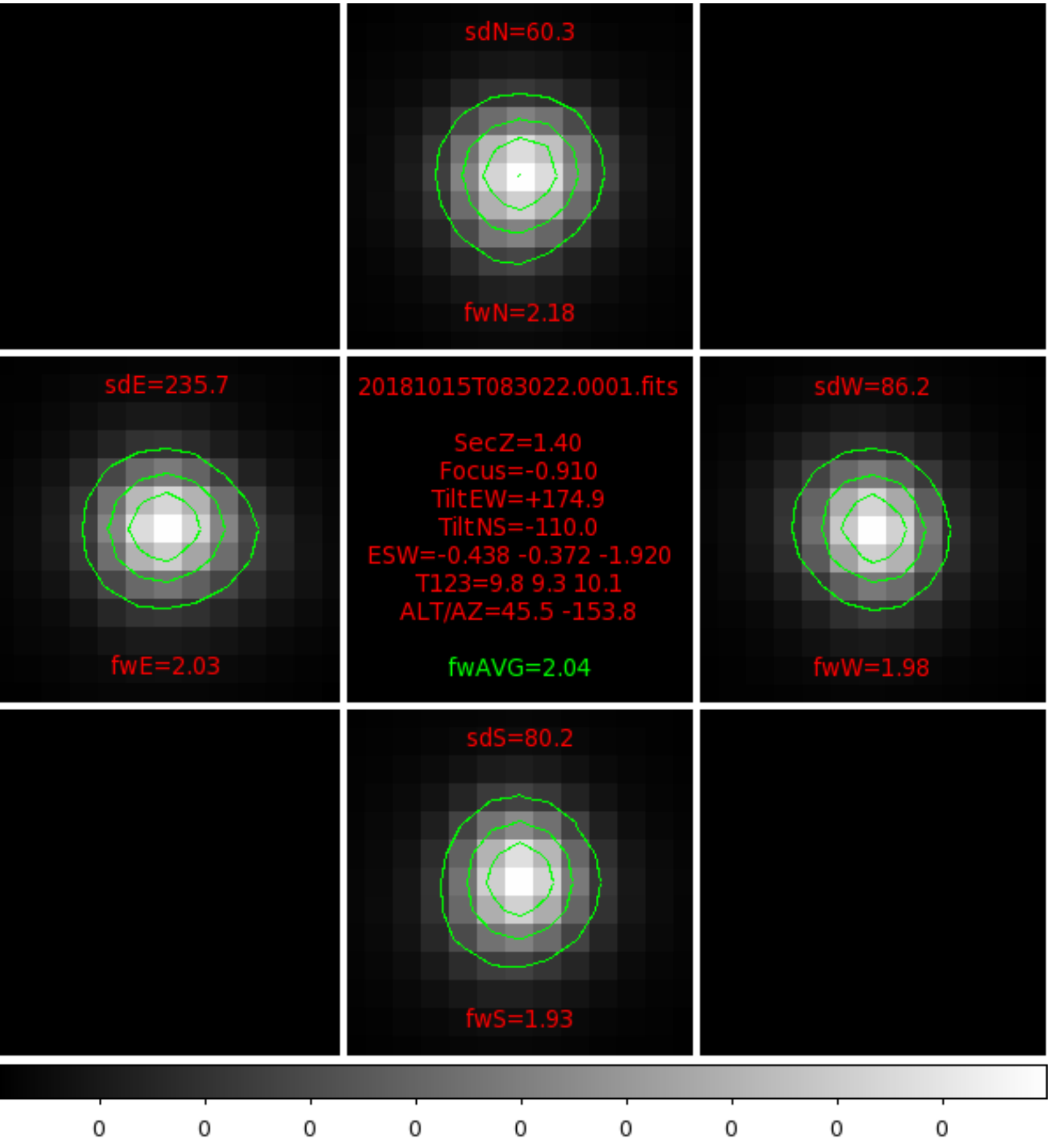
sdN=60.3
fwN=2.18
sdE=235.7
fwE=2.03
20181015T083022.0001.fits
SecZ=1.40
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.8 9.3 10.1
ALT/AZ=45.5 -153.8
fwAVG=2.04
sdW=86.2
fwW=1.98
sdS=80.2
fwS=1.93
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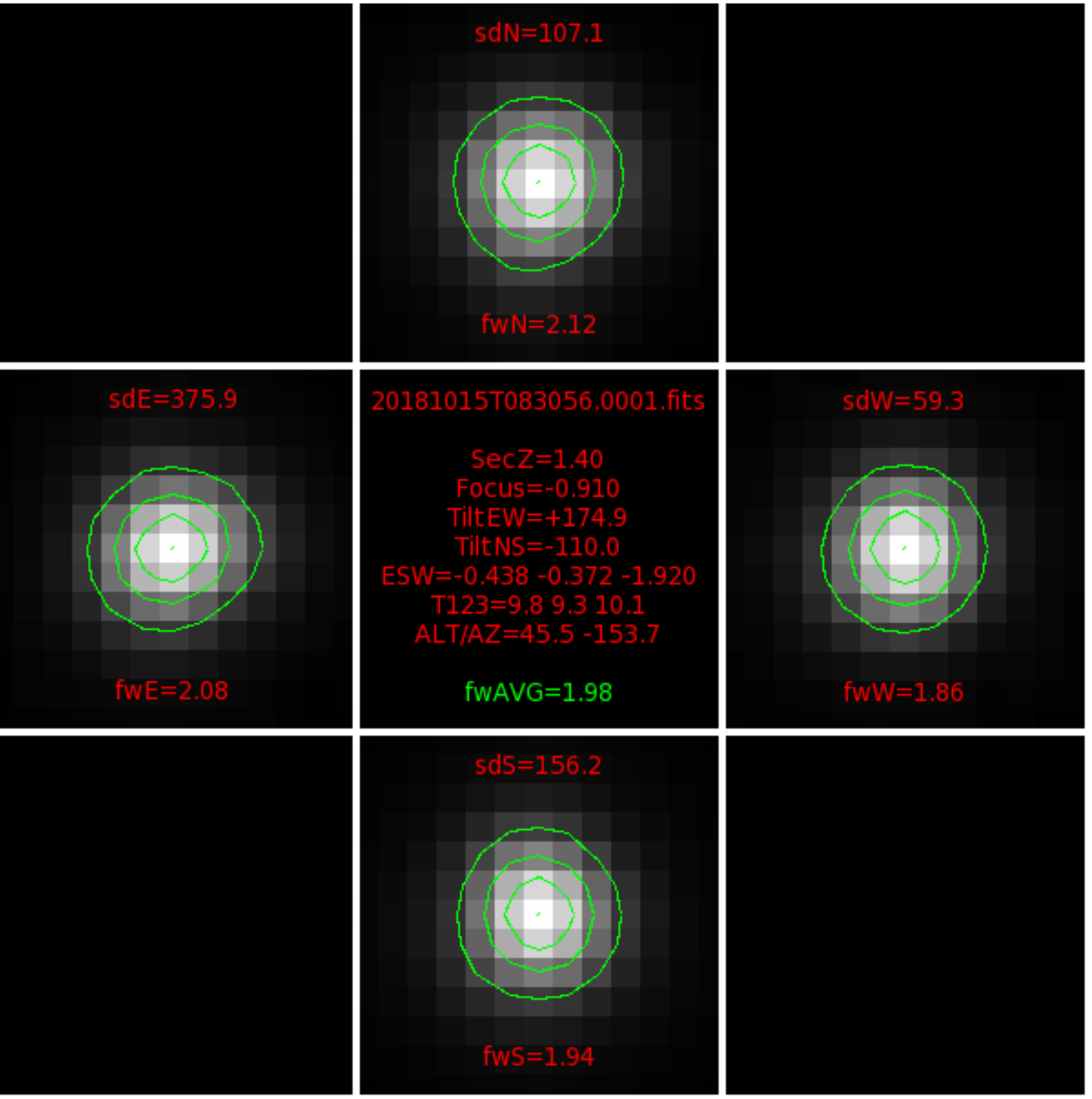
sdN=107.1
fwN=2.12
sdE=375.9
fwE=2.08
20181015T083056.0001.fits
SecZ=1.40
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.8 9.3 10.1
ALT/AZ=45.5 -153.7
fwAVG=1.98
sdW=59.3
fwW=1.86
sdS=156.2
fwS=1.94
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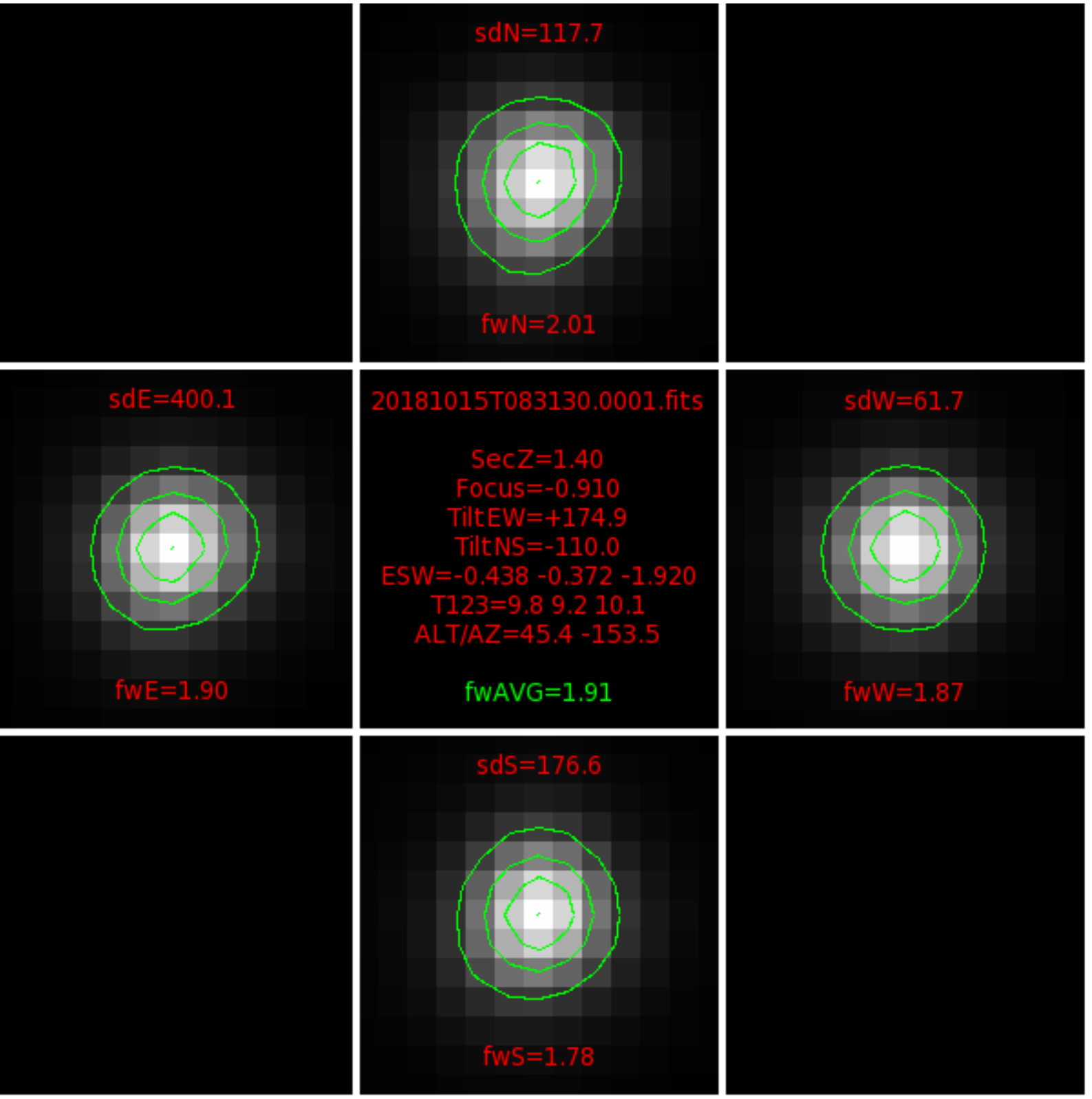
sdN=117.7
fwN=2.01
sdE=400.1
fwE=1.90
20181015T083130.0001.fits
SecZ=1.40
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.8 9.2 10.1
ALT/AZ=45.4 -153.5
fwAVG=1.91
sdW=61.7
fwW=1.87
sdS=176.6
fwS=1.78
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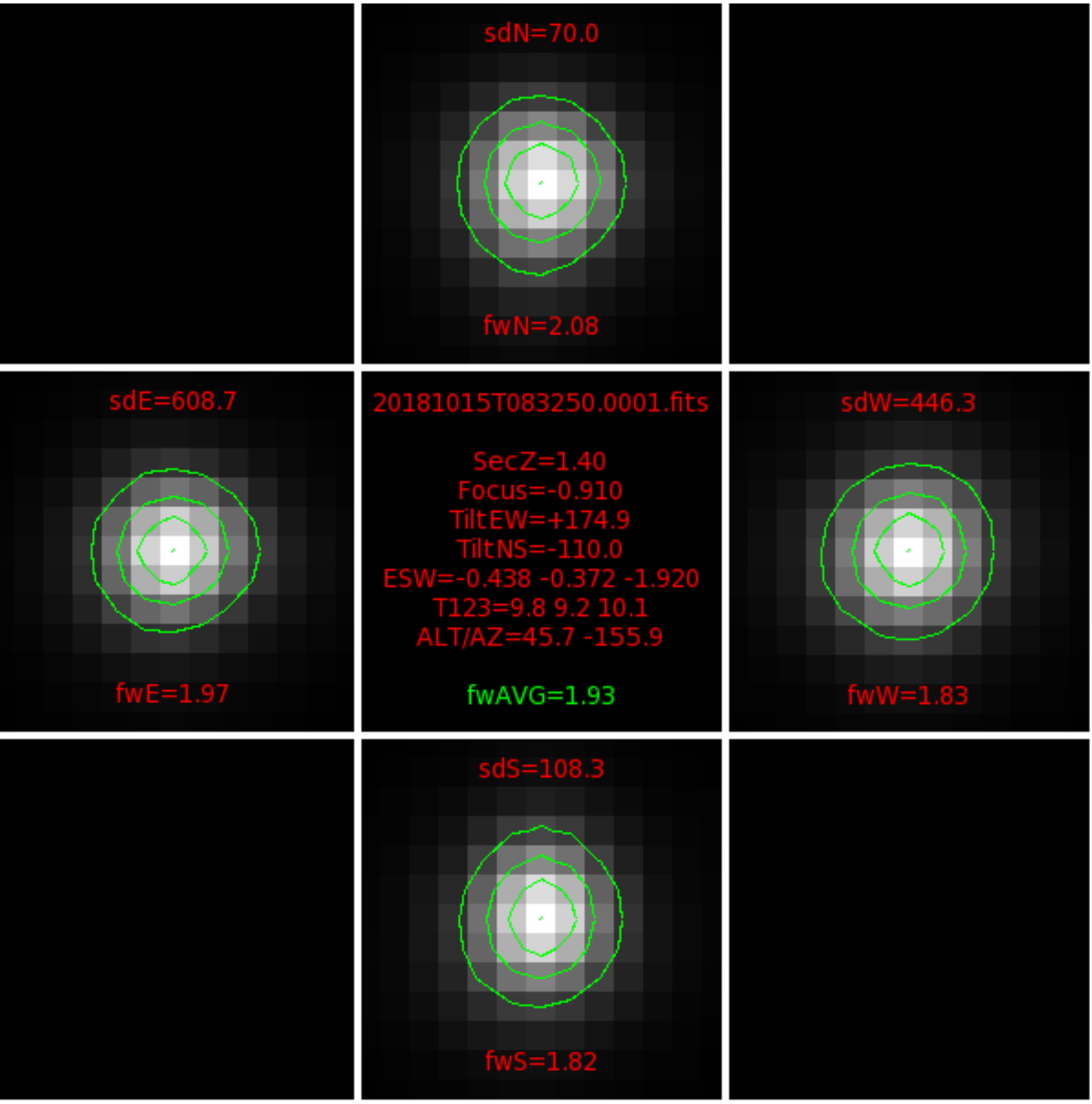
sdN=70.0
fwN=2.08
sdE=608.7
fwE=1.97
20181015T083250.0001.fits
SecZ=1.40
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.8 9.2 10.1
ALT/AZ=45.7 -155.9
fwAVG=1.93
sdW=446.3
fwW=1.83
sdS=108.3
fwS=1.82
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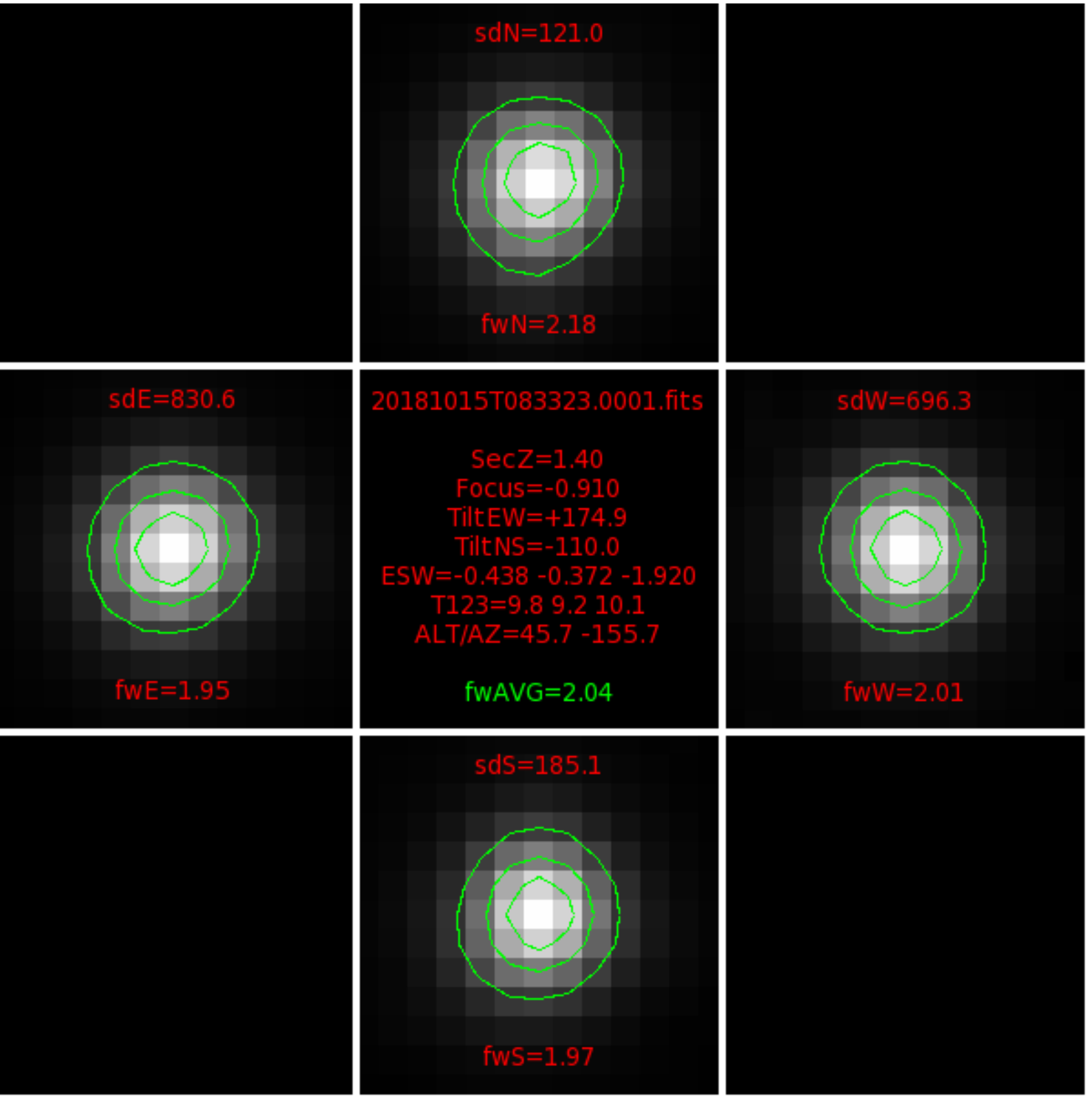
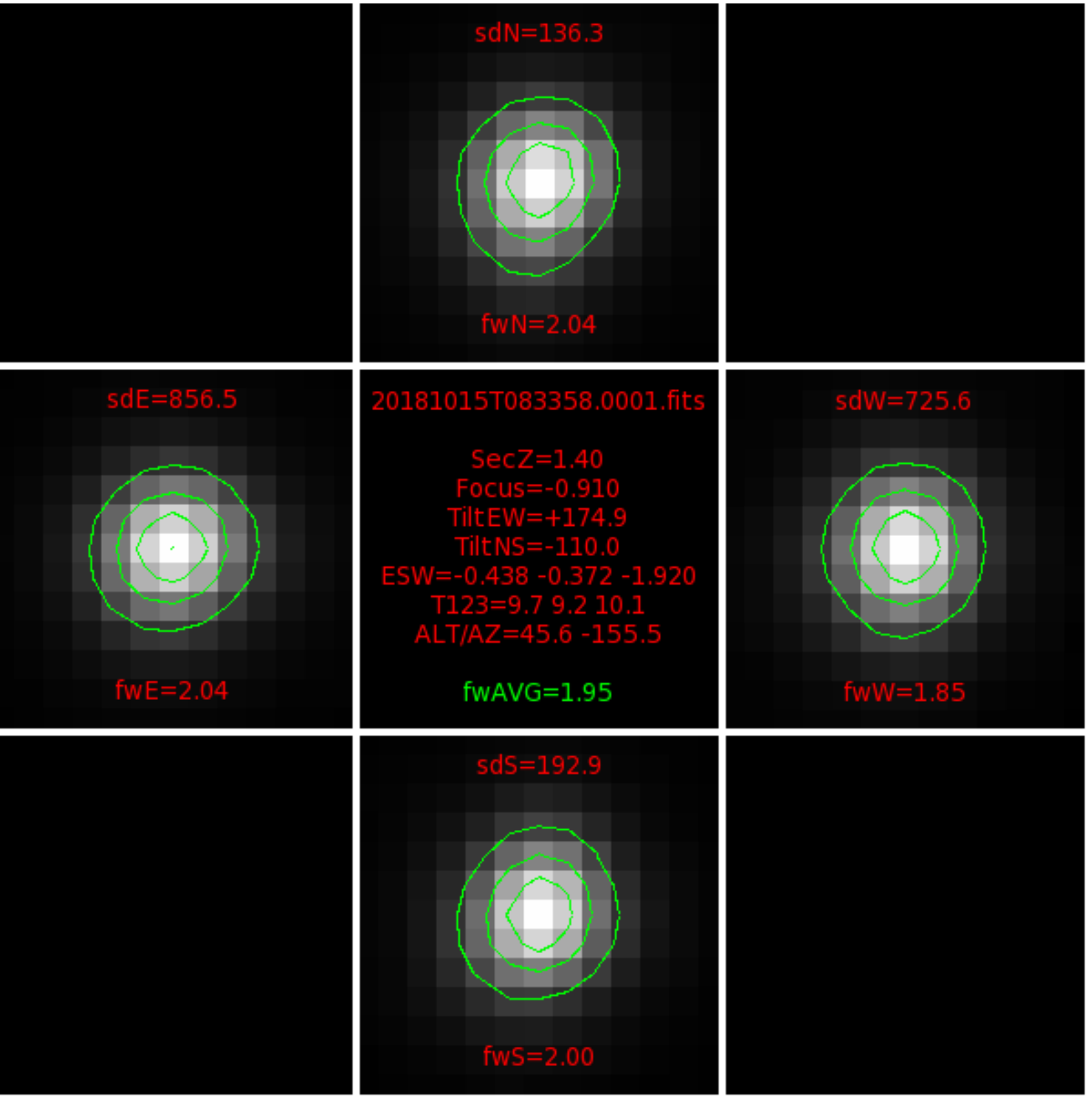

sdN=121.0
fwN=2.18
sdE=830.6
fwE=1.95
20181015T083323.0001.fits
SecZ=1.40
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.8 9.2 10.1
ALT/AZ=45.7 -155.7
fwAVG=2.04
sdW=696.3
fwW=2.01
sdS=185.1
fwS=1.97
0 0 0 0 0 0 0 0 0


sdN=136.3
fwN=2.04
sdE=856.5
fwE=2.04
20181015T083358.0001.fits
SecZ=1.40
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.7 9.2 10.1
ALT/AZ=45.6 -155.5
fwAVG=1.95
sdW=725.6
fwW=1.85
sdS=192.9
fwS=2.00
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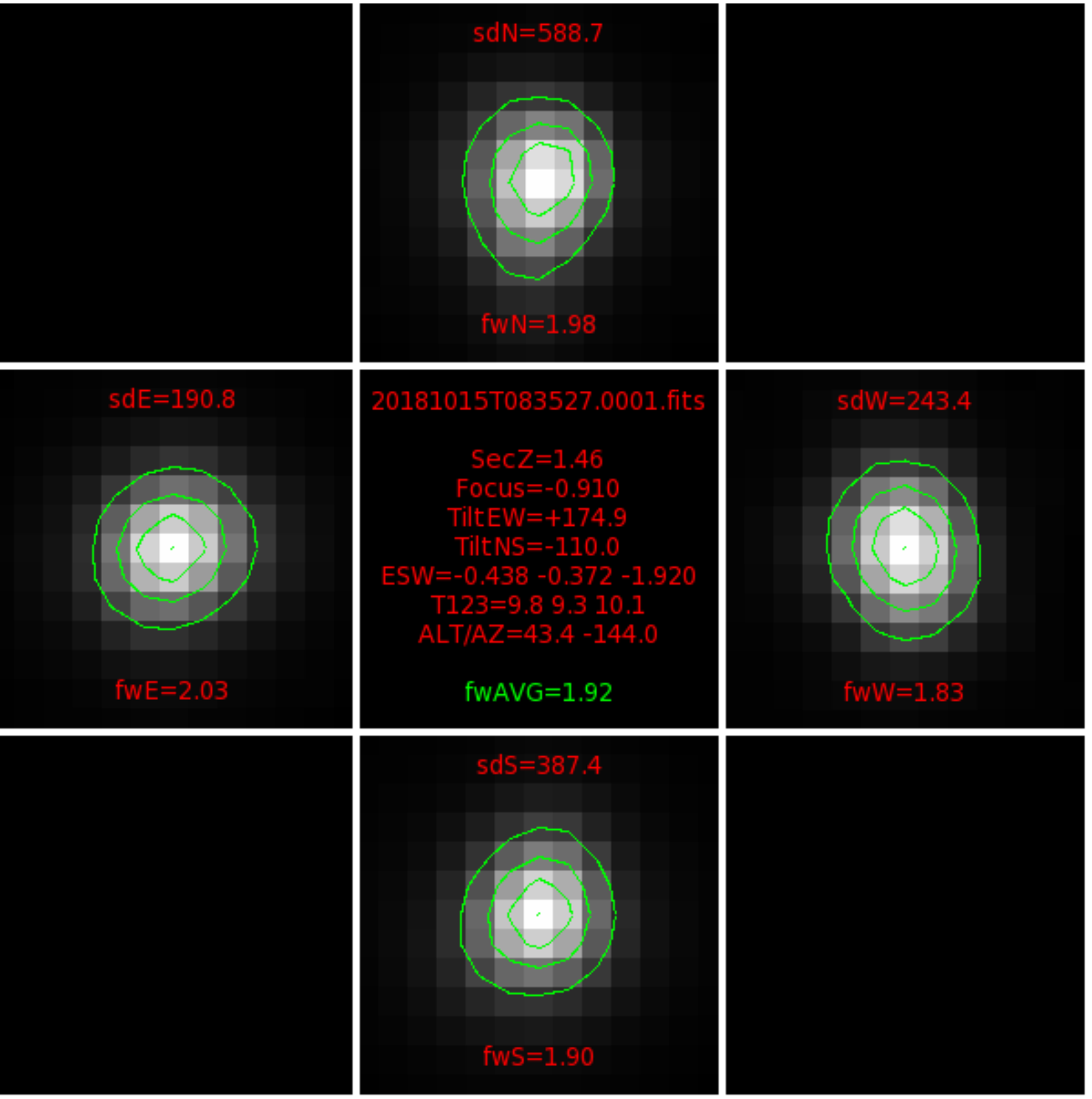
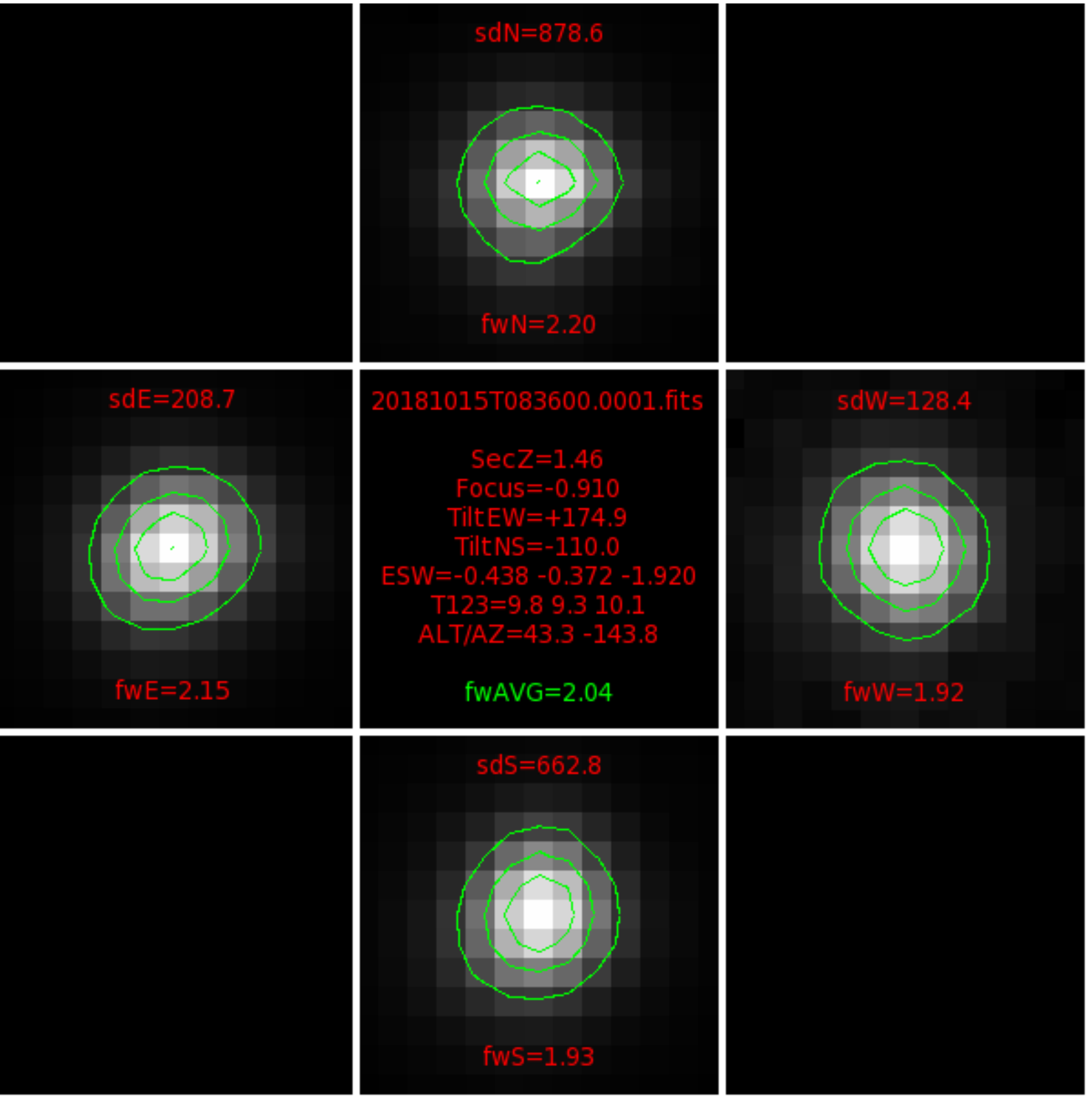

sdN=588.7
fwN=1.98
sdE=190.8
fwE=2.03
20181015T083527.0001.fits
SecZ=1.46
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.8 9.3 10.1
ALT/AZ=43.4 -144.0
fwAVG=1.92
sdW=243.4
fwW=1.83
sdS=387.4
fwS=1.90
0 0 0 0 0 0 0 0 0


sdN=878.6
fwN=2.20
sdE=208.7
fwE=2.15
20181015T083600.0001.fits
SecZ=1.46
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.8 9.3 10.1
ALT/AZ=43.3 -143.8
fwAVG=2.04
sdW=128.4
fwW=1.92
sdS=662.8
fwS=1.93
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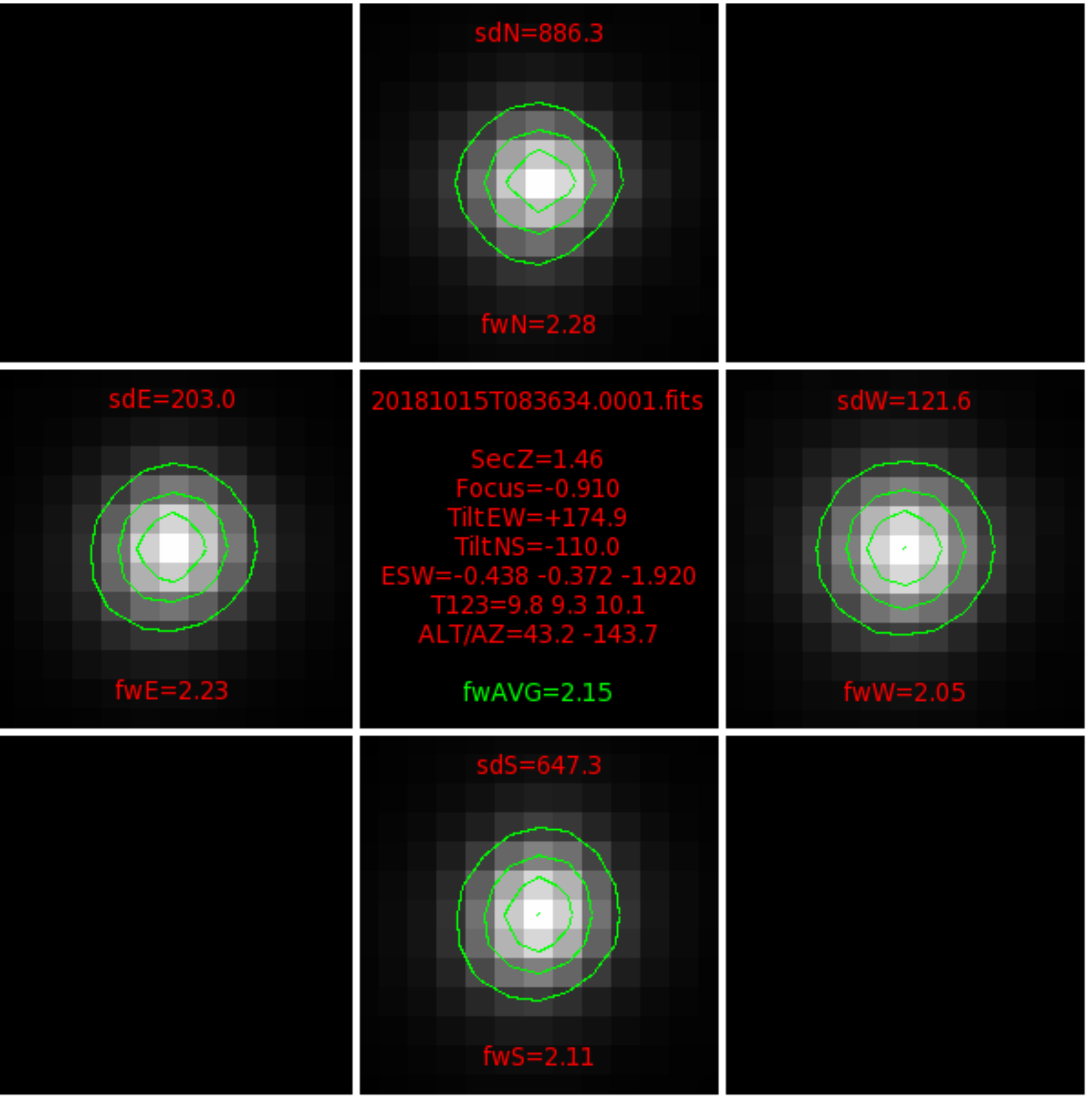
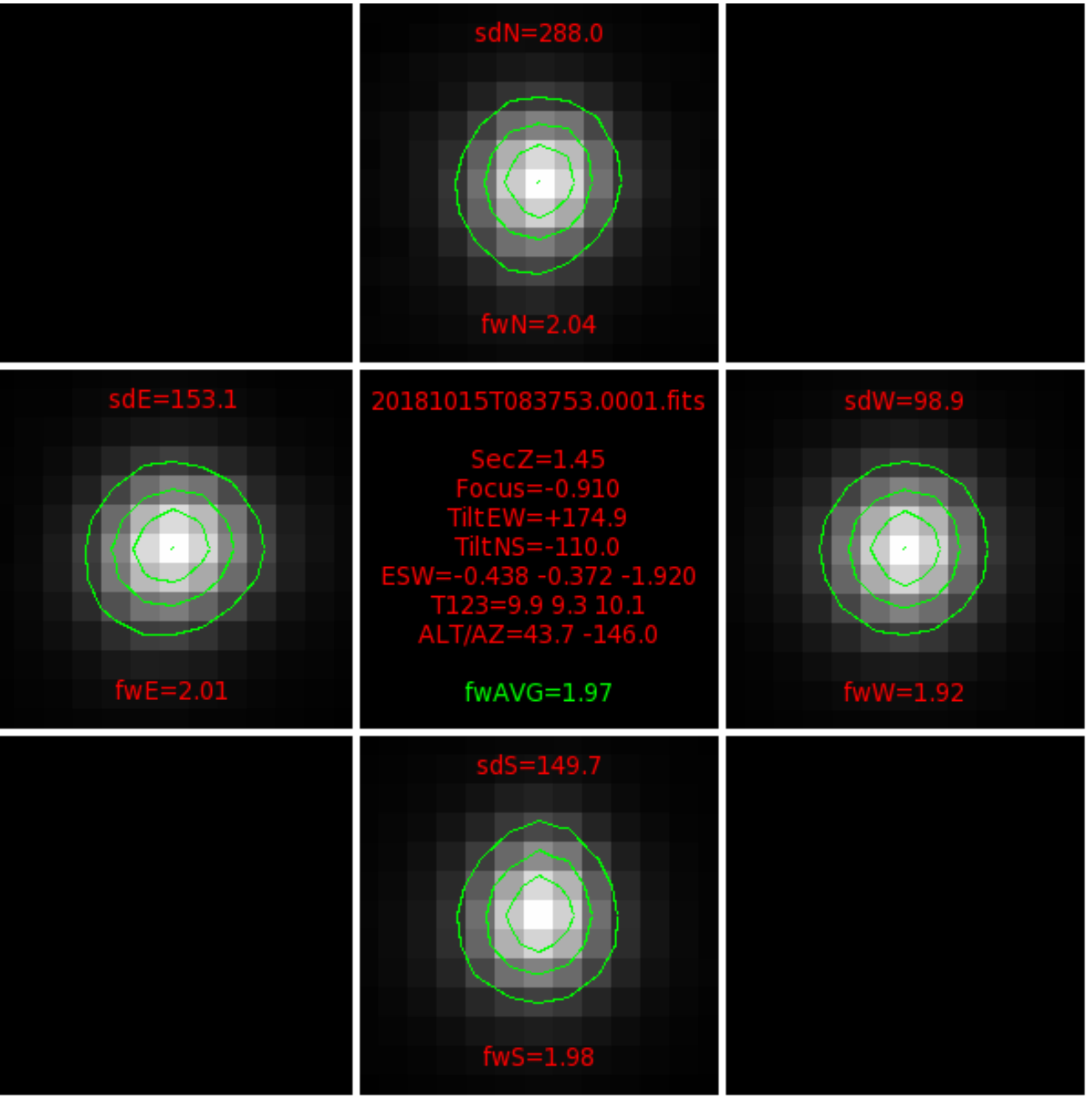

sdN=886.3
fwN=2.28
sdE=203.0
fwE=2.23
20181015T083634.0001.fits
SecZ=1.46
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.8 9.3 10.1
ALT/AZ=43.2 -143.7
fwAVG=2.15
sdW=121.6
fwW=2.05
sdS=647.3
fwS=2.11
0 0 0 0 0 0 0 0 0


sdN=288.0
fwN=2.04
sdE=153.1
fwE=2.01
20181015T083753.0001.fits
SecZ=1.45
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.9 9.3 10.1
ALT/AZ=43.7 -146.0
fwAVG=1.97
sdW=98.9
fwW=1.92
sdS=149.7
fwS=1.98
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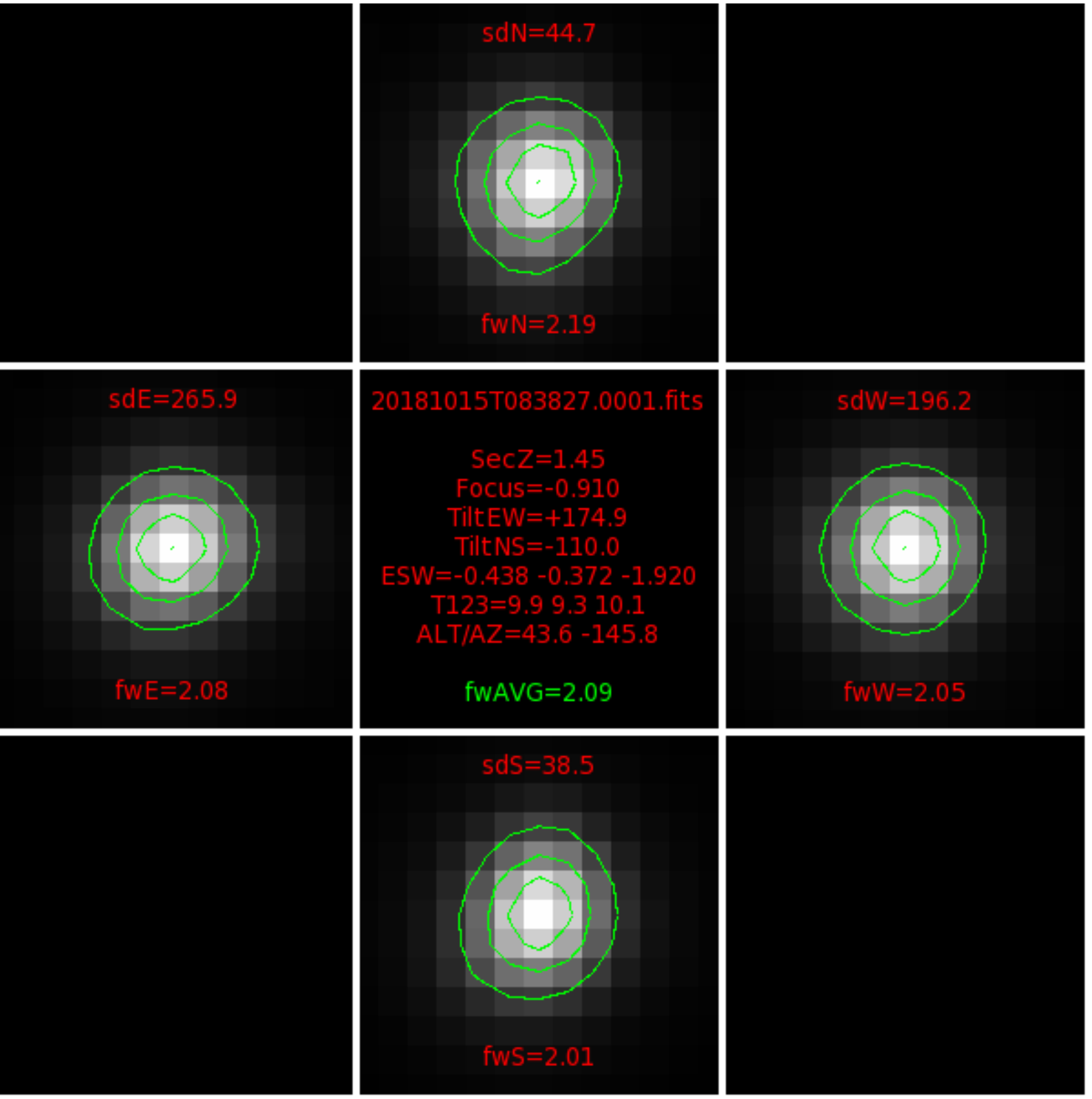
sdN=44.7
fwN=2.19
sdE=265.9
fwE=2.08
20181015T083827.0001.fits
SecZ=1.45
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.9 9.3 10.1
ALT/AZ=43.6 -145.8
fwAVG=2.09
sdW=196.2
fwW=2.05
sdS=38.5
fwS=2.01
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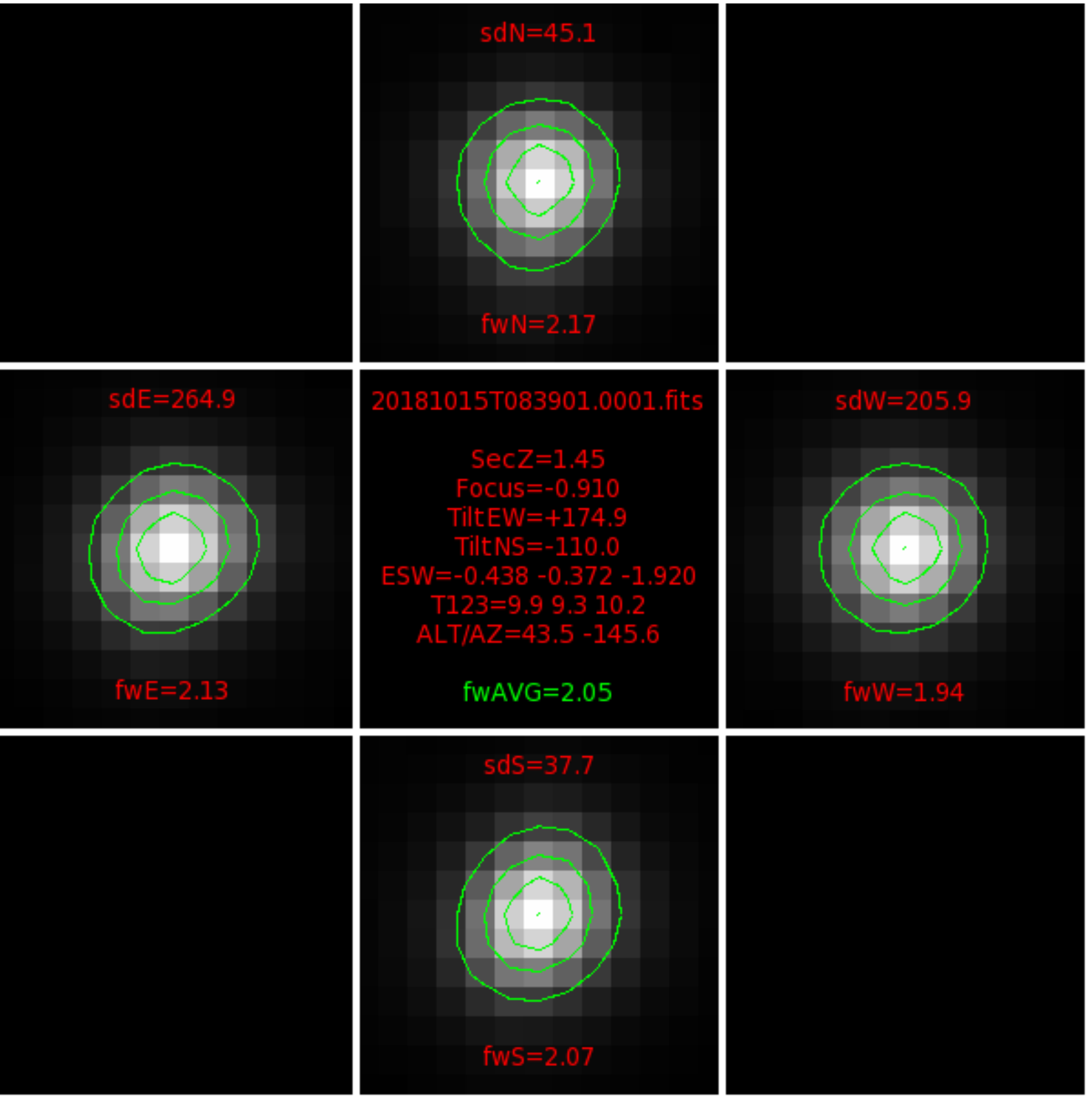
sdN=45.1
fwN=2.17
sdE=264.9
fwE=2.13
20181015T083901.0001.fits
SecZ=1.45
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.9 9.3 10.2
ALT/AZ=43.5 -145.6
fwAVG=2.05
sdW=205.9
fwW=1.94
sdS=37.7
fwS=2.07
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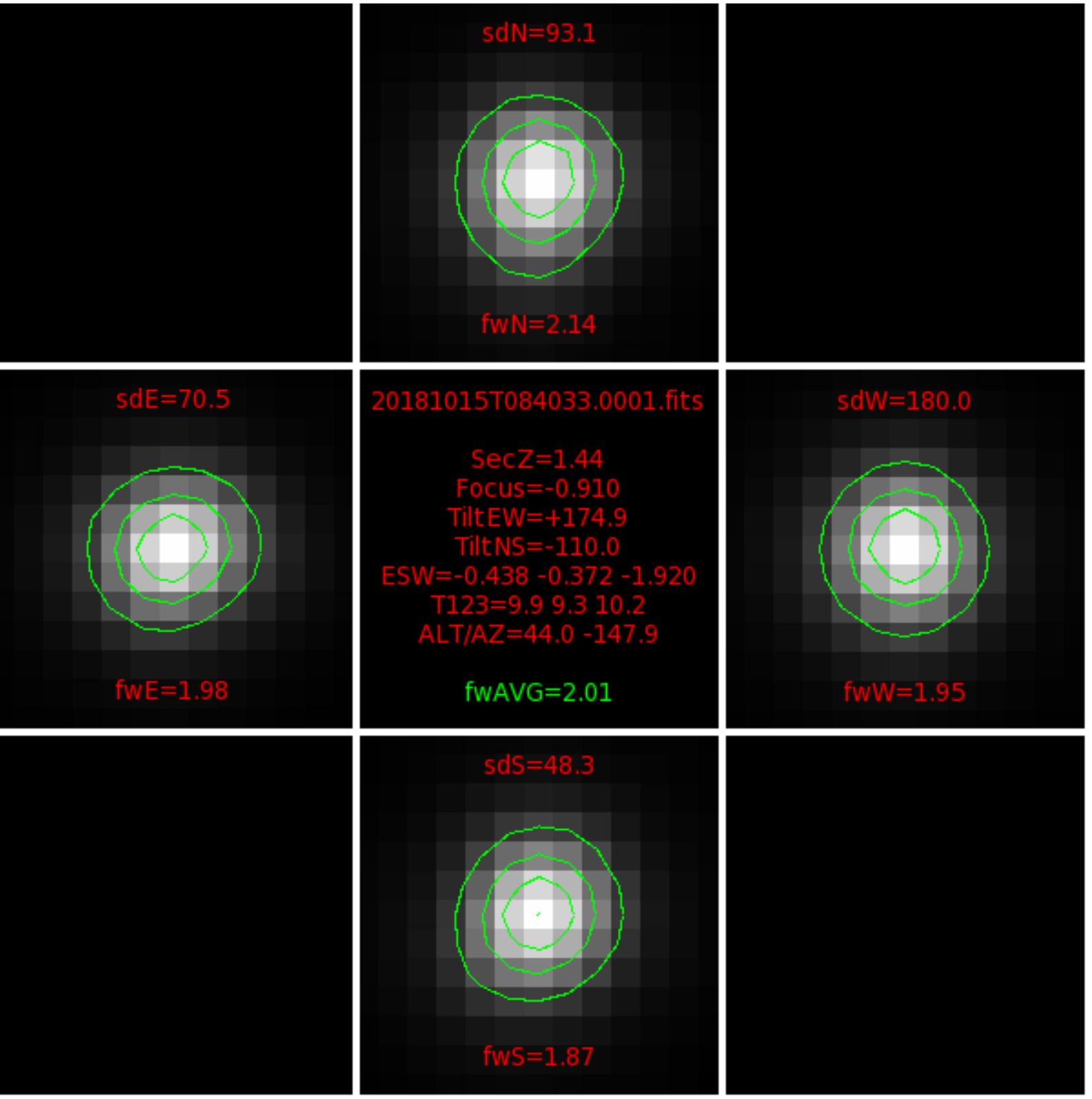
sdN=93.1
fwN=2.14
sdE=70.5
fwE=1.98
20181015T084033.0001.fits
SecZ=1.44
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.9 9.3 10.2
ALT/AZ=44.0 -147.9
fwAVG=2.01
sdW=180.0
fwW=1.95
sdS=48.3
fwS=1.87
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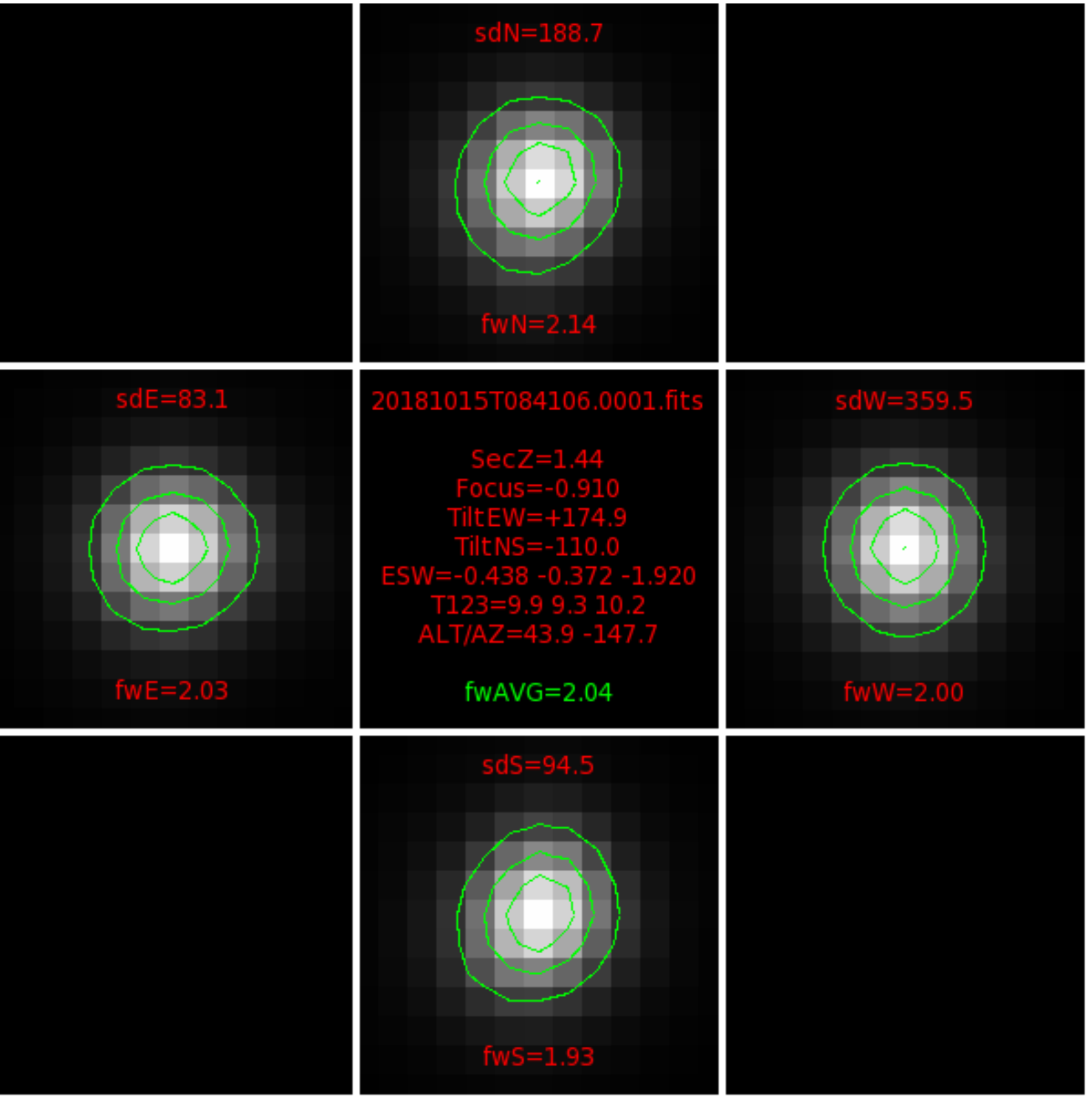
sdN=188.7
fwN=2.14
sdE=83.1
fwE=2.03
20181015T084106.0001.fits
SecZ=1.44
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.9 9.3 10.2
ALT/AZ=43.9 -147.7
fwAVG=2.04
sdW=359.5
fwW=2.00
sdS=94.5
fwS=1.93
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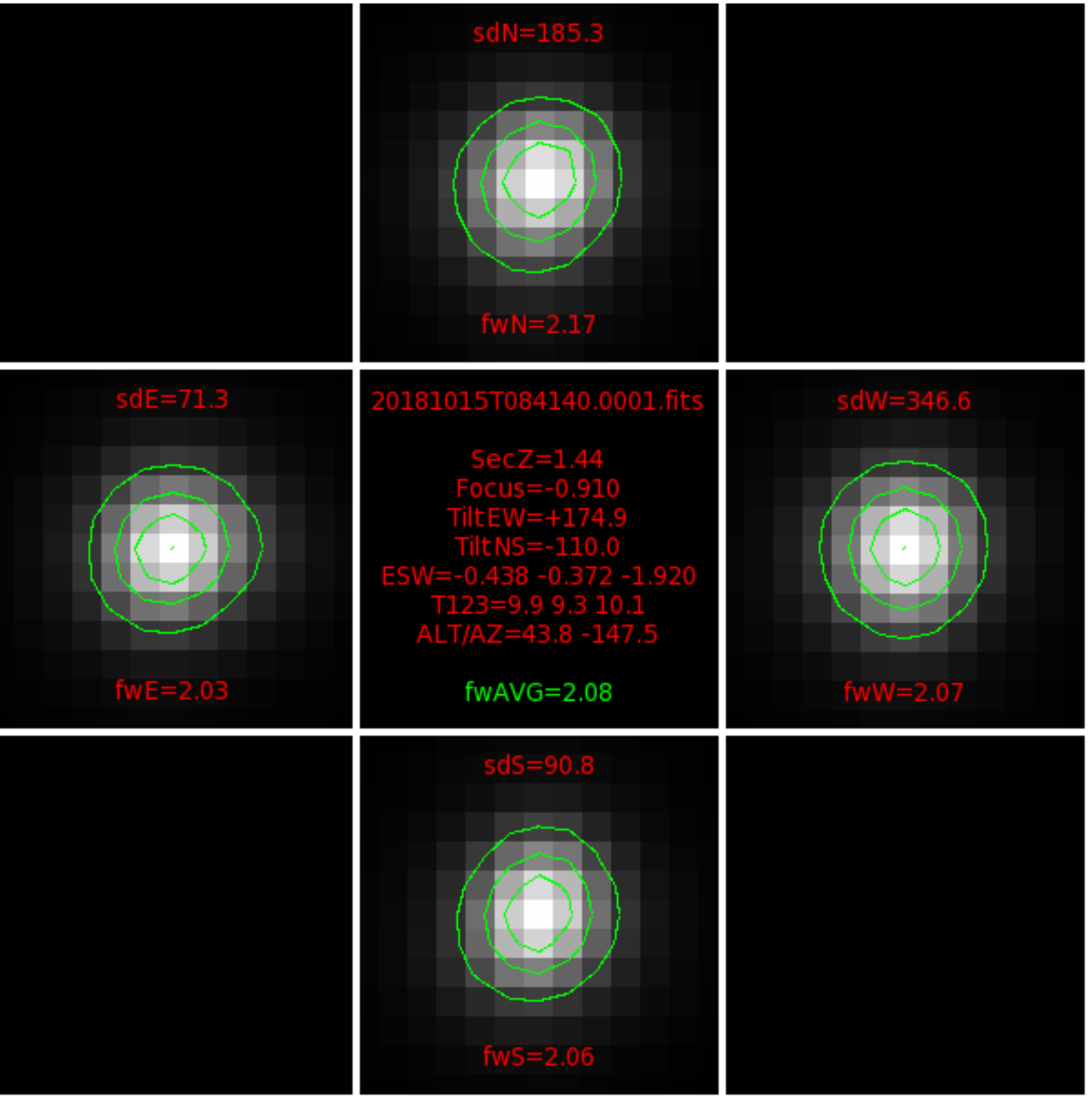
sdN=185.3
fwN=2.17
sdE=71.3
fwE=2.03
20181015T084140.0001.fits
SecZ=1.44
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.9 9.3 10.1
ALT/AZ=43.8 -147.5
fwAVG=2.08
sdW=346.6
fwW=2.07
sdS=90.8
fwS=2.06
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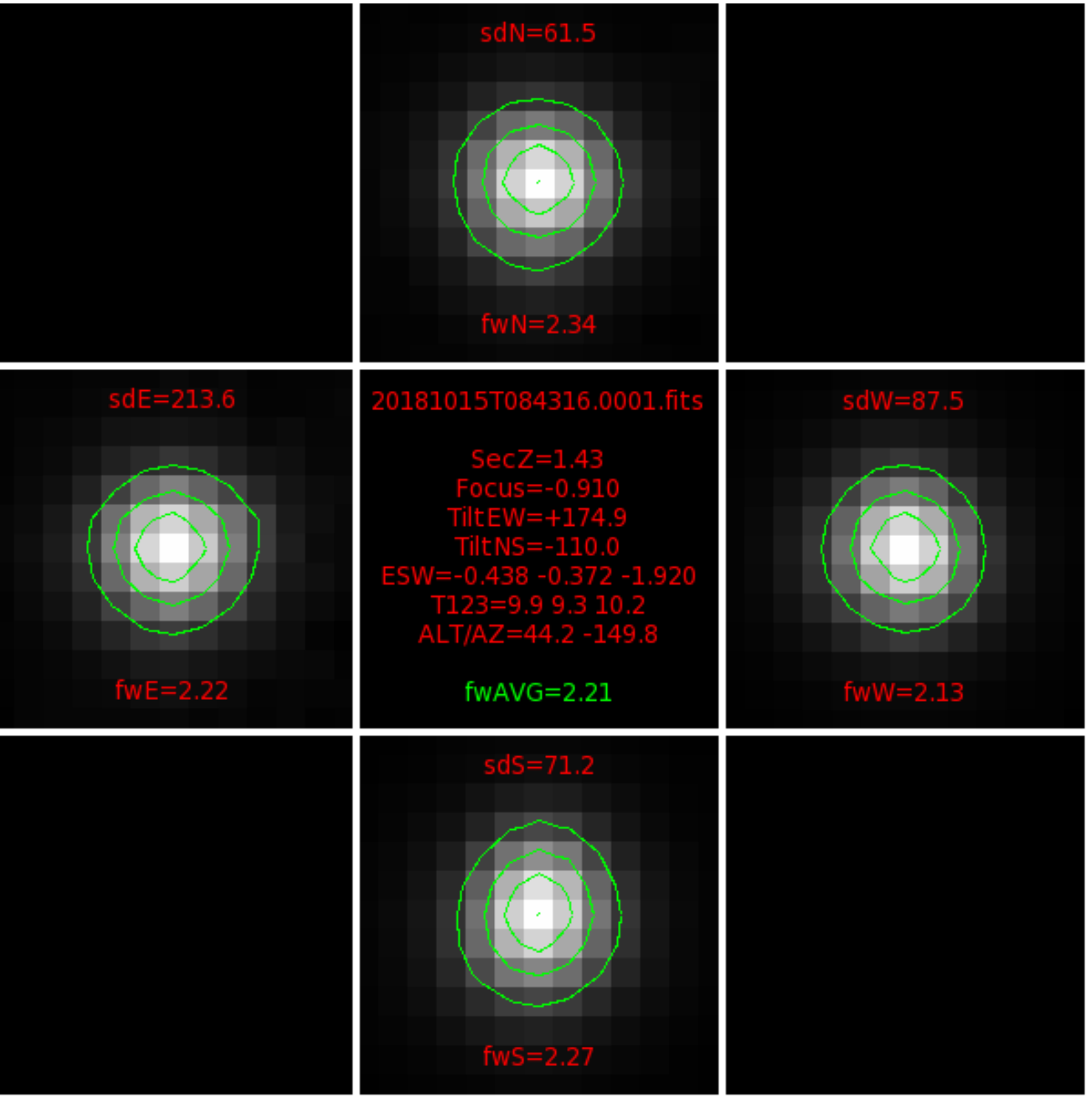
sdN=61.5
fwN=2.34
sdE=213.6
fwE=2.22
20181015T084316.0001.fits
SecZ=1.43
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.9 9.3 10.2
ALT/AZ=44.2 -149.8
fwAVG=2.21
sdW=87.5
fwW=2.13
sdS=71.2
fwS=2.27
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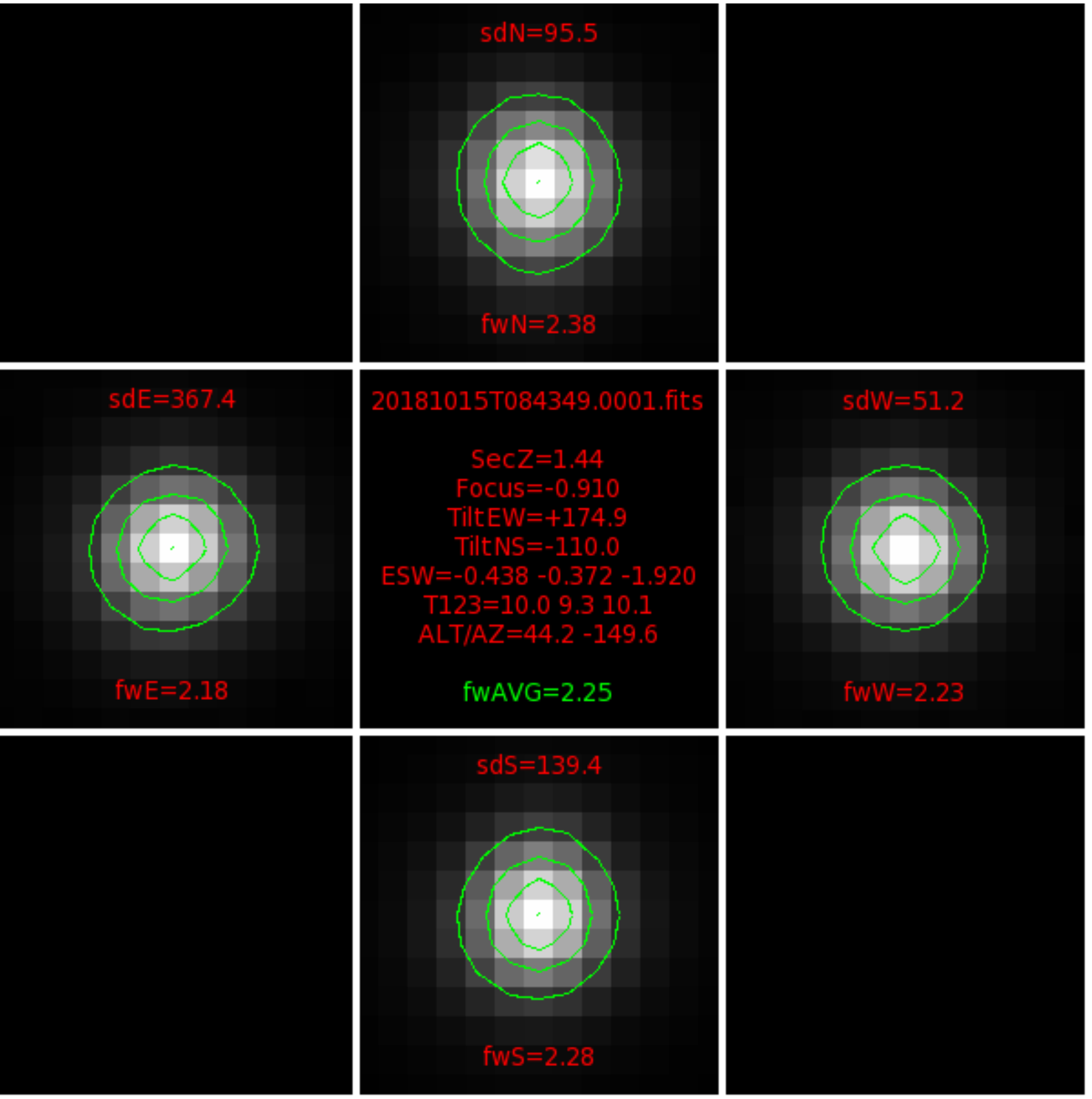
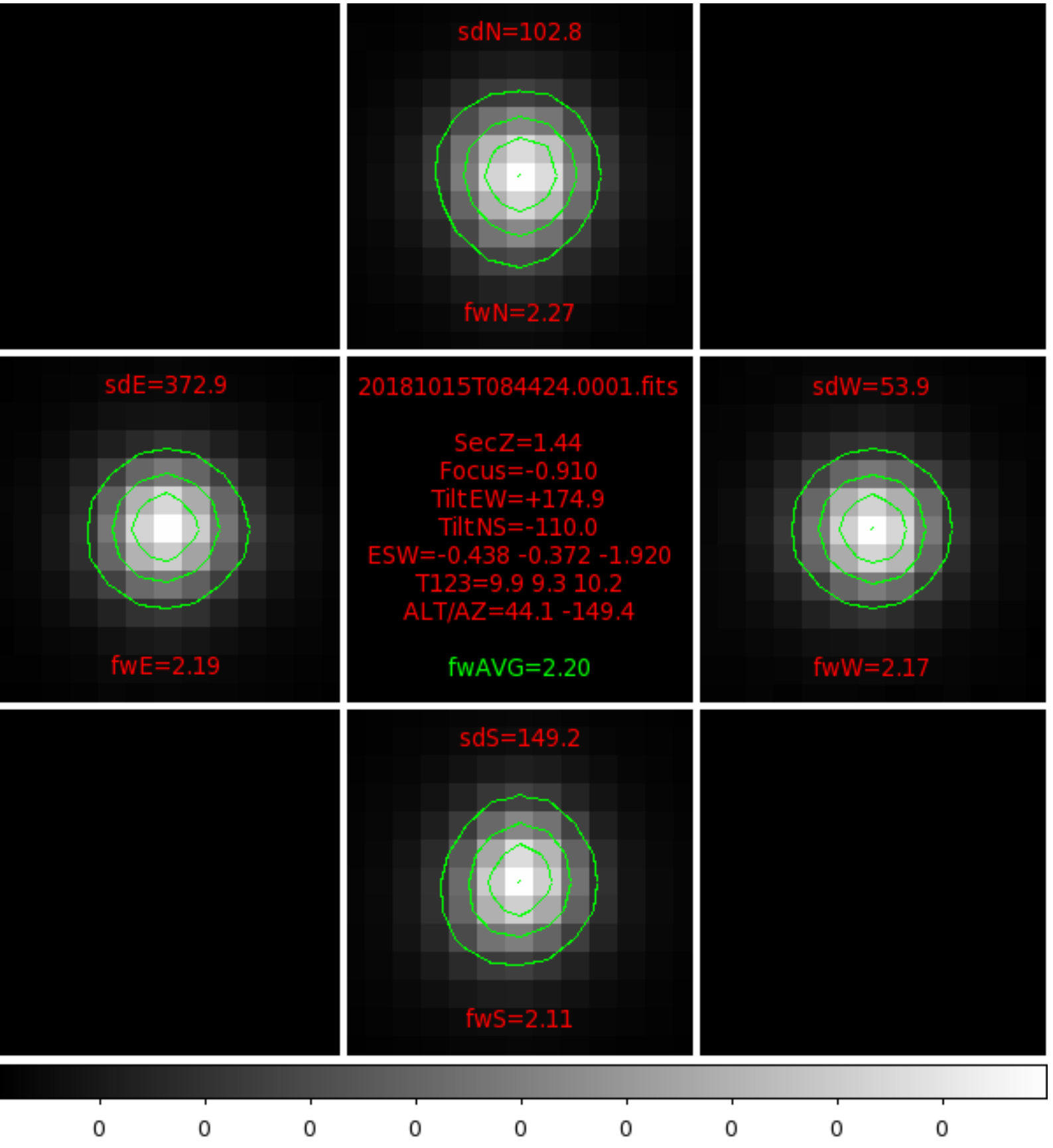
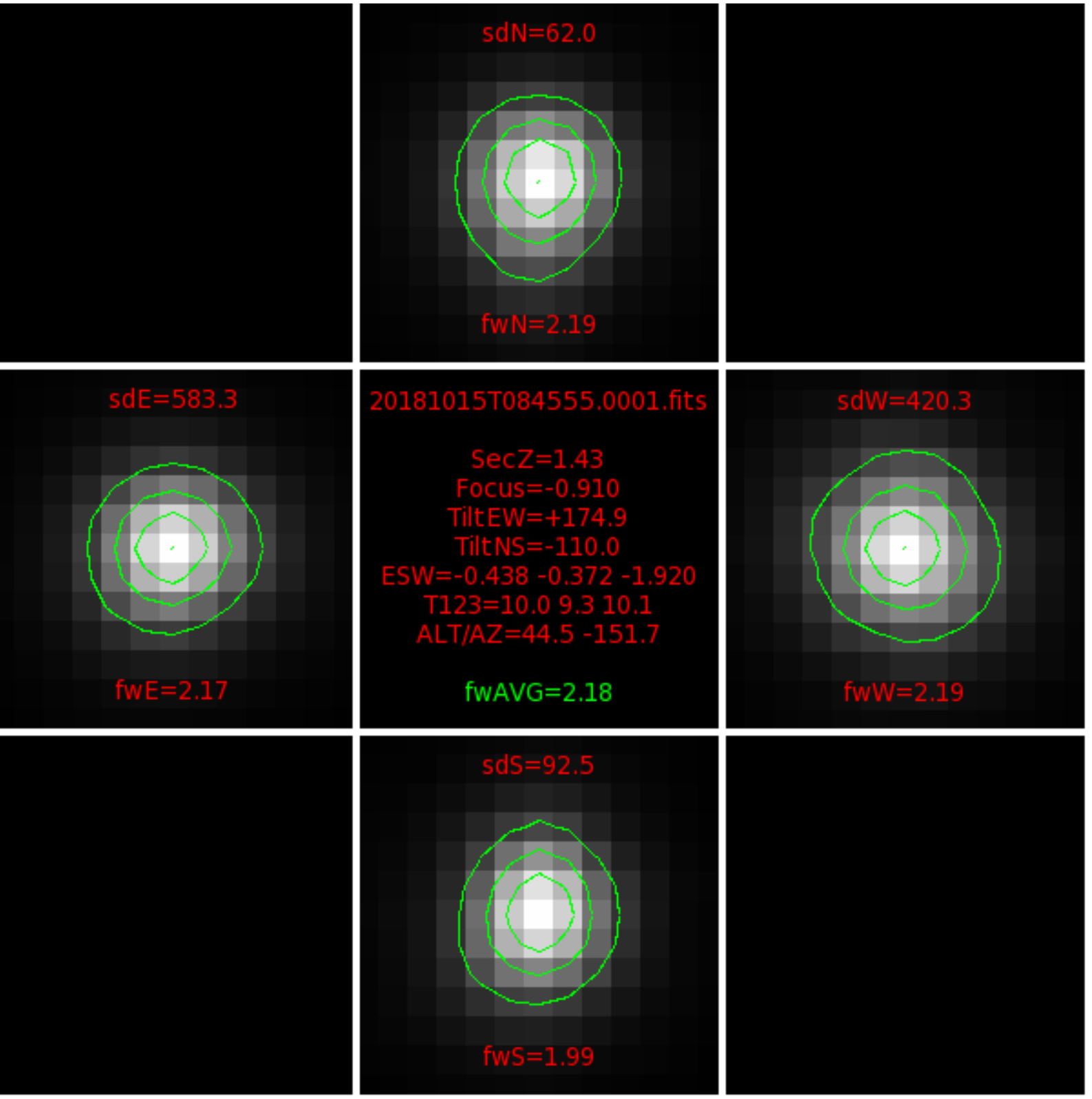
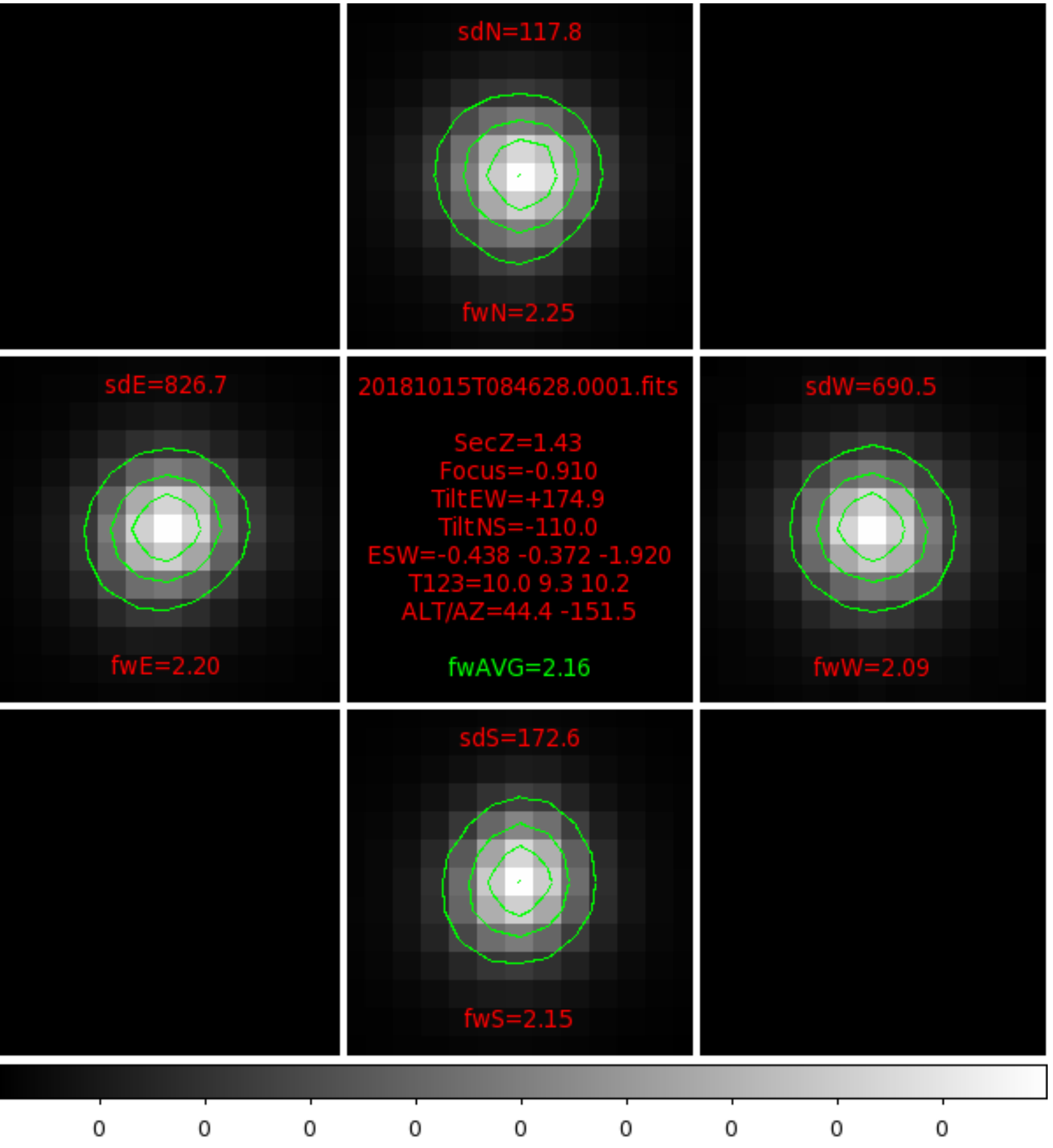
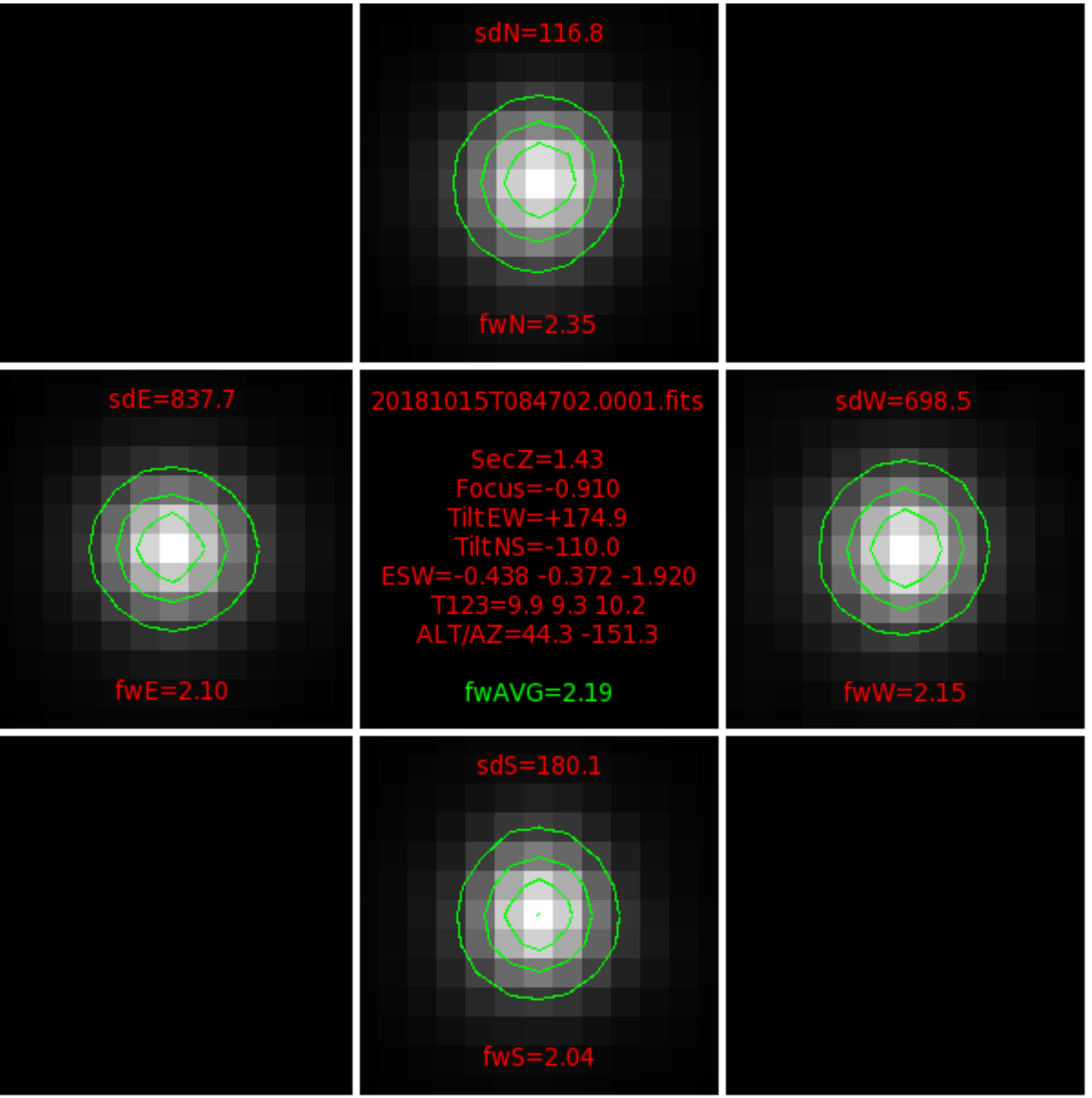
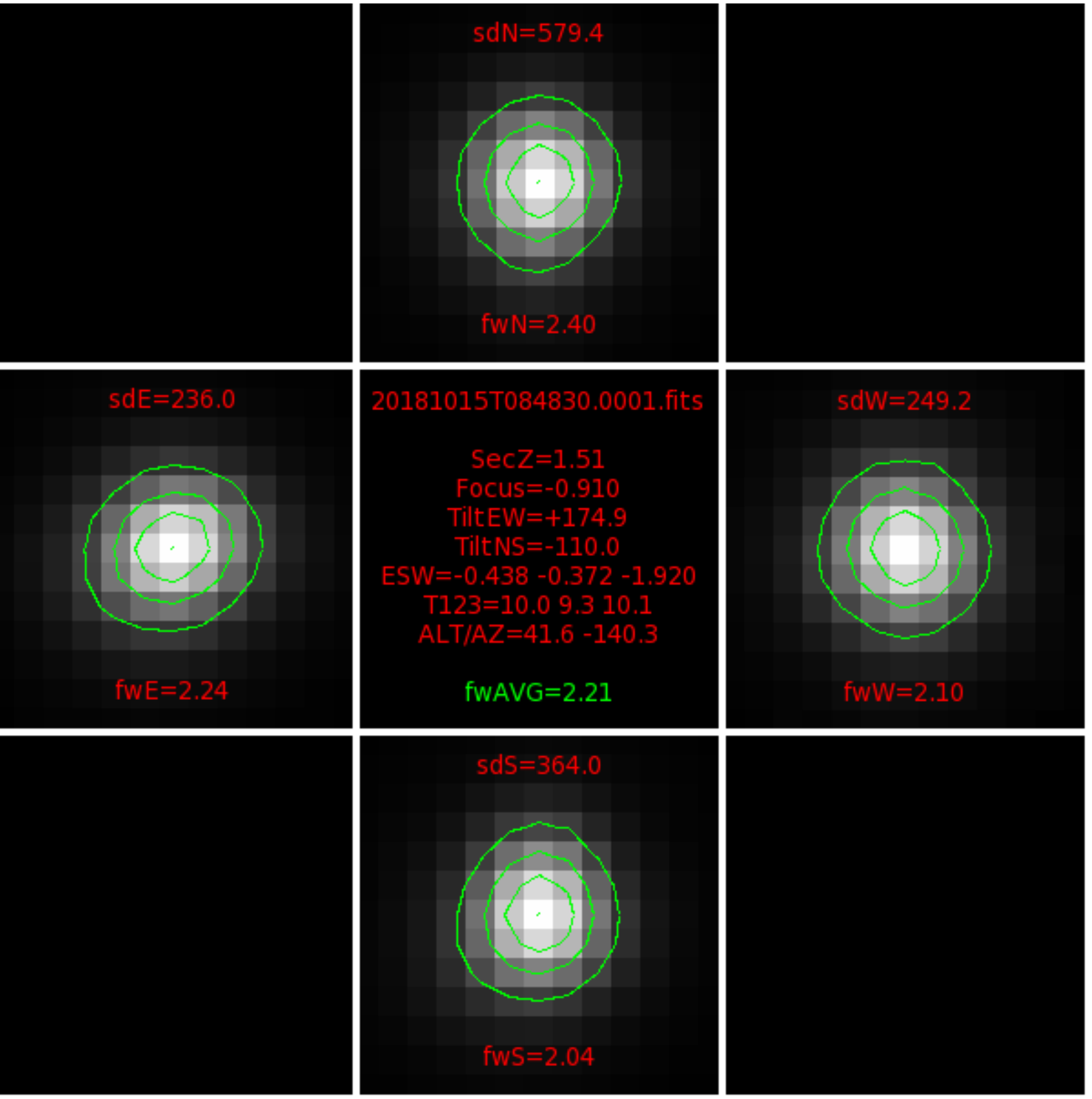

sdN=95.5
fwN=2.38
sdE=367.4
fwE=2.18
20181015T084349.0001.fits
SecZ=1.44
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=10.0 9.3 10.1
ALT/AZ=44.2 -149.6
fwAVG=2.25
sdW=51.2
fwW=2.23
sdS=139.4
fwS=2.28
0 0 0 0 0 0 0 0 0

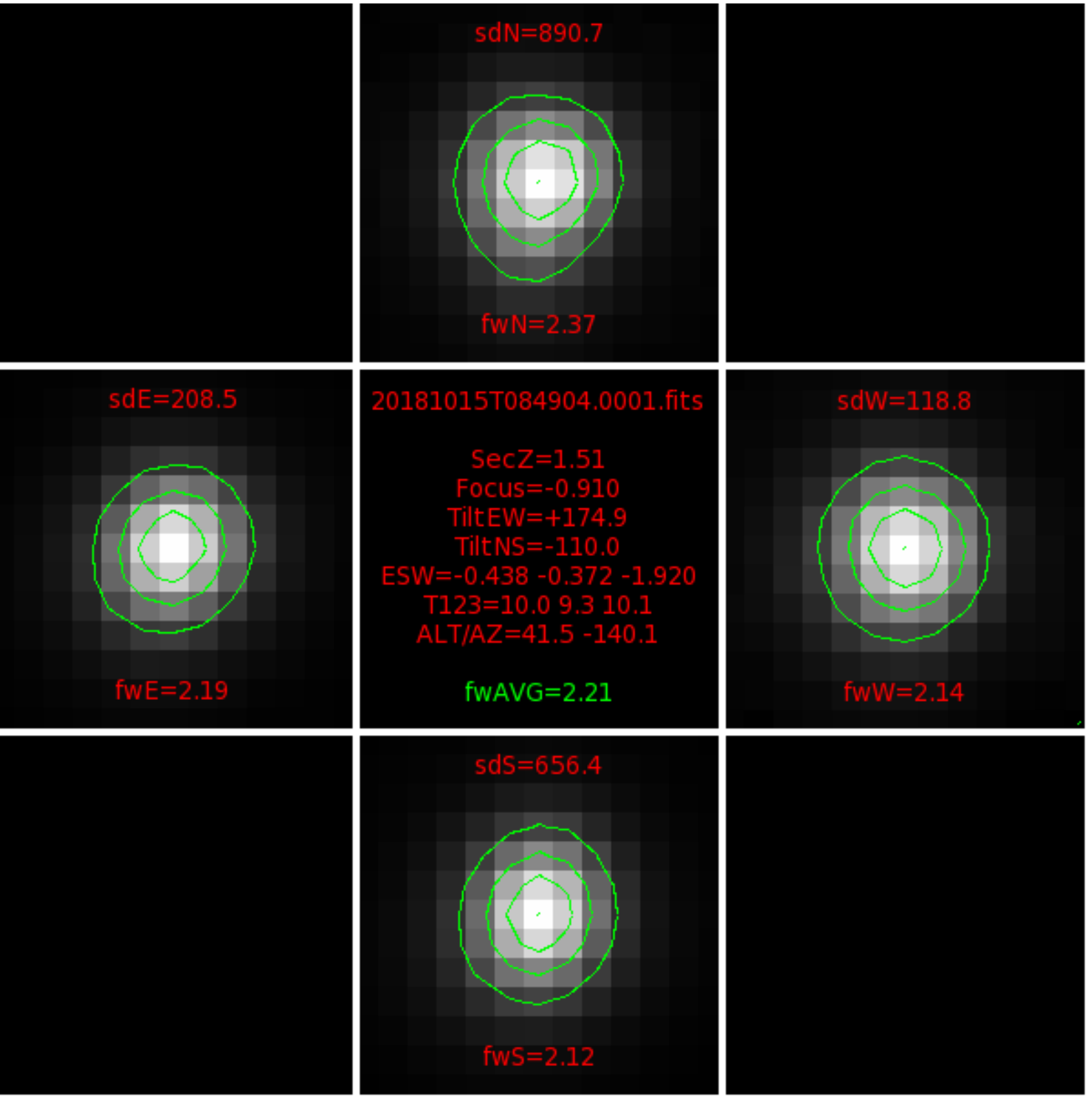

sdN=102.8
fwN=2.27
sdE=372.9
fwE=2.19
20181015T084424.0001.fits
SecZ=1.44
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.9 9.3 10.2
ALT/AZ=44.1 -149.4
fwAVG=2.20
sdW=53.9
fwW=2.17
sdS=149.2
fwS=2.11
0 0 0 0 0 0 0 0 0


sdN=62.0
fwN=2.19
sdE=583.3
fwE=2.17
20181015T084555.0001.fits
SecZ=1.43
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=10.0 9.3 10.1
ALT/AZ=44.5 -151.7
fwAVG=2.18
sdW=420.3
fwW=2.19
sdS=92.5
fwS=1.99
0 0 0 0 0 0 0 0 0


sdN=117.8
fwN=2.25
sdE=826.7
fwE=2.20
20181015T084628.0001.fits
SecZ=1.43
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=10.0 9.3 10.2
ALT/AZ=44.4 -151.5
fwAVG=2.16
sdW=690.5
fwW=2.09
sdS=172.6
fwS=2.15
0 0 0 0 0 0 0 0 0


sdN=116.8
fwN=2.35
sdE=837.7
fwE=2.10
20181015T084702.0001.fits
SecZ=1.43
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=9.9 9.3 10.2
ALT/AZ=44.3 -151.3
fwAVG=2.19
sdW=698.5
fwW=2.15
sdS=180.1
fwS=2.04
0 0 0 0 0 0 0 0 0


sdN=579.4
fwN=2.40
sdE=236.0
fwE=2.24
20181015T084830.0001.fits
SecZ=1.51
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=10.0 9.3 10.1
ALT/AZ=41.6 -140.3
fwAVG=2.21
sdW=249.2
fwW=2.10
sdS=364.0
fwS=2.04
0 0 0 0 0 0 0 0 0


sdN=890.7
fwN=2.37
sdE=208.5
fwE=2.19
20181015T084904.0001.fits
SecZ=1.51
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=10.0 9.3 10.1
ALT/AZ=41.5 -140.1
fwAVG=2.21
sdW=118.8
fwW=2.14
sdS=656.4
fwS=2.12
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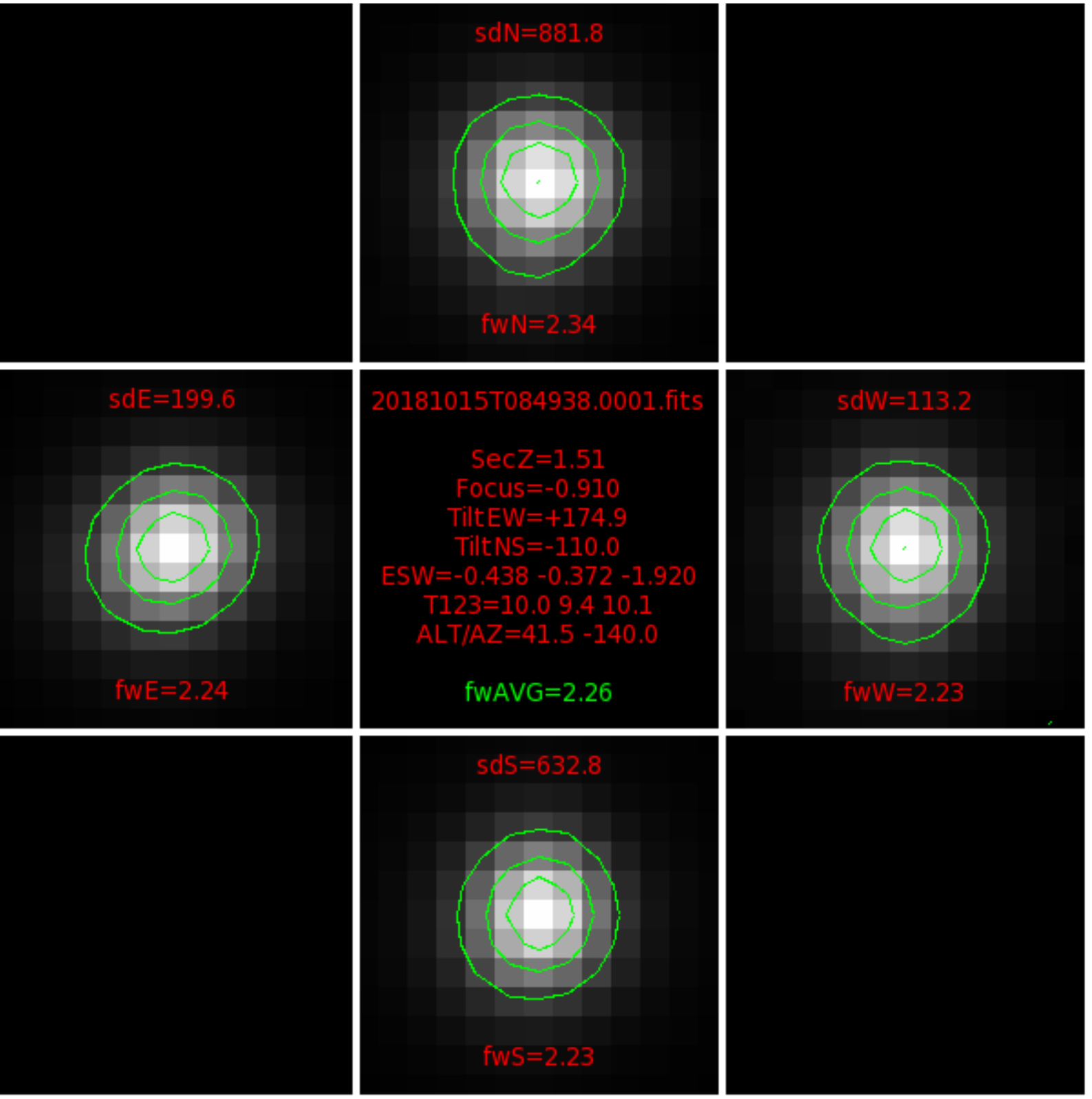
sdN=881.8
fwN=2.34
sdE=199.6
fwE=2.24
20181015T084938.0001.fits
SecZ=1.51
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=10.0 9.4 10.1
ALT/AZ=41.5 -140.0
fwAVG=2.26
sdW=113.2
fwW=2.23
sdS=632.8
fwS=2.23
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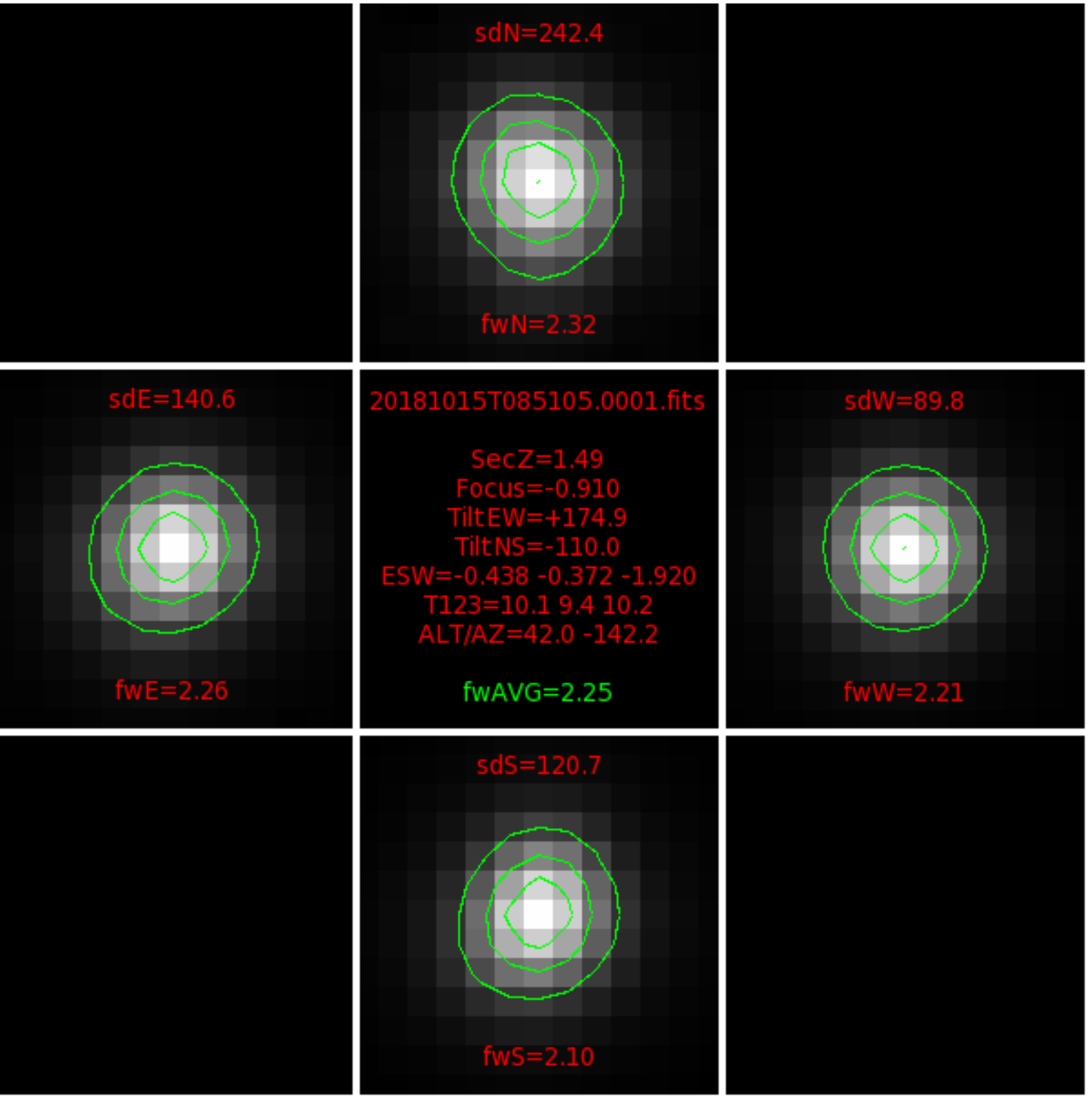
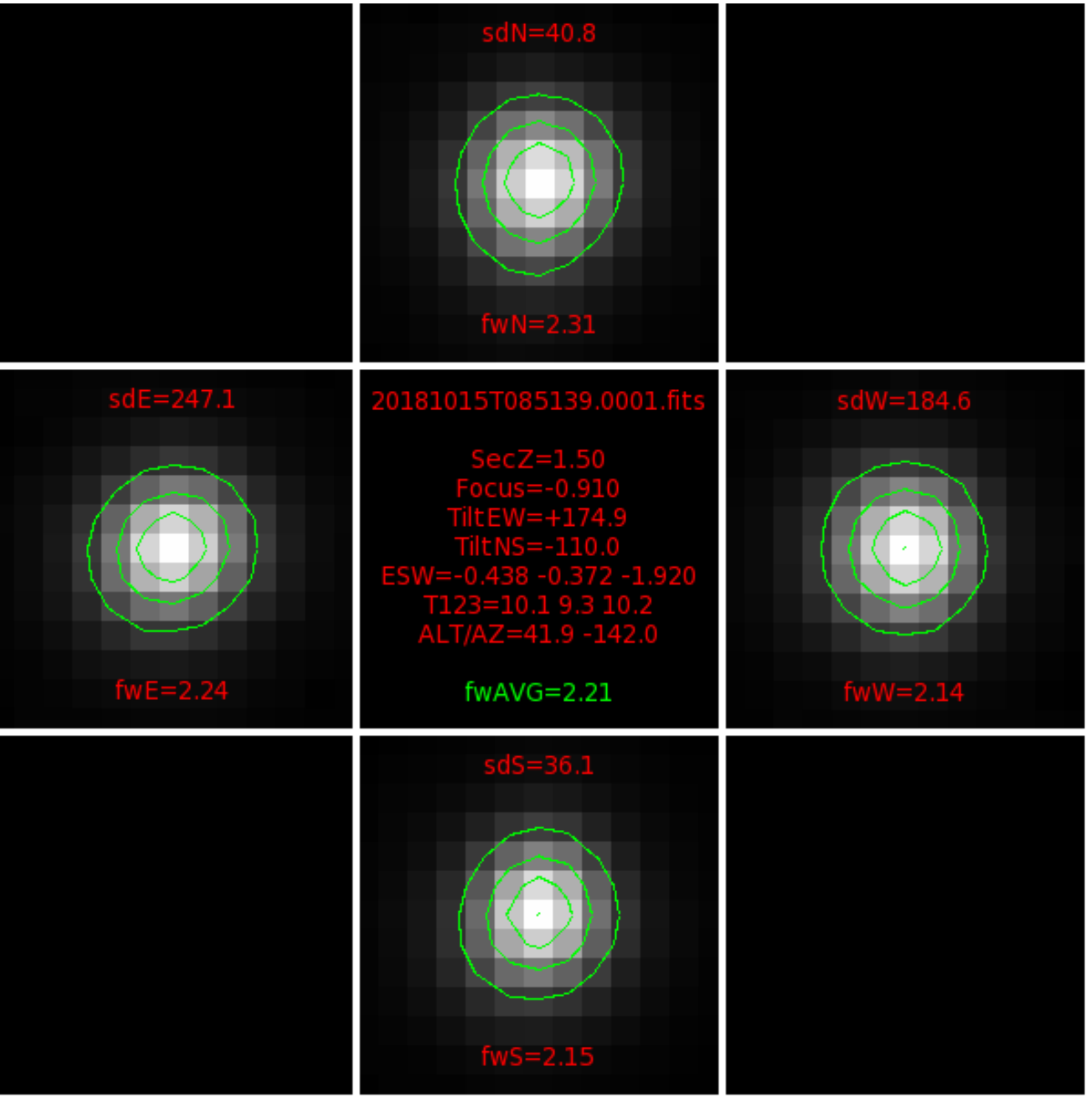

sdN=242.4
fwN=2.32
sdE=140.6
fwE=2.26
20181015T085105.0001.fits
SecZ=1.49
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=10.1 9.4 10.2
ALT/AZ=42.0 -142.2
fwAVG=2.25
sdW=89.8
fwW=2.21
sdS=120.7
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=40.8
fwN=2.31
sdE=247.1
fwE=2.24
20181015T085139.0001.fits
SecZ=1.50
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=10.1 9.3 10.2
ALT/AZ=41.9 -142.0
fwAVG=2.21
sdW=184.6
fwW=2.14
sdS=36.1
fwS=2.15
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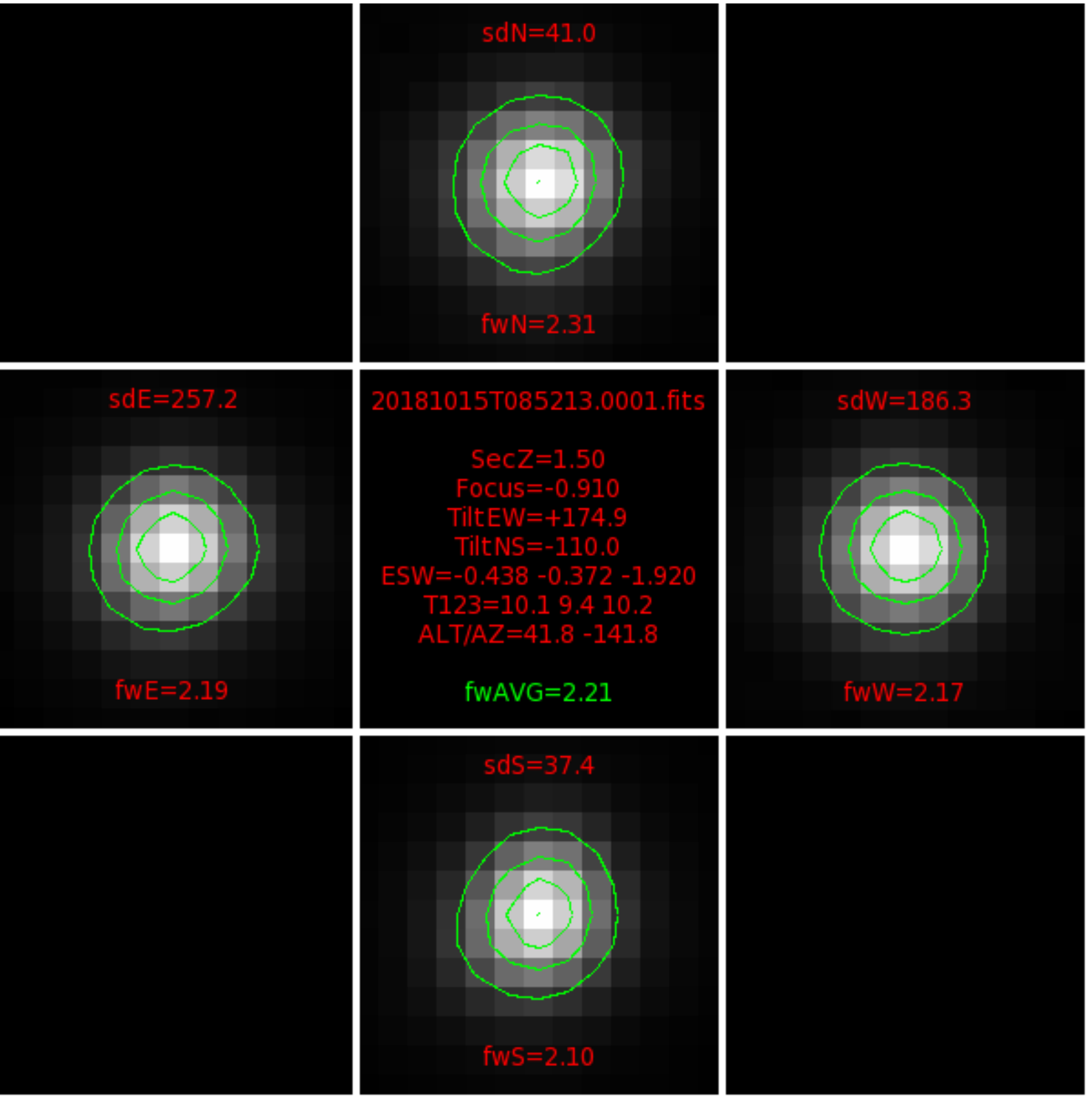
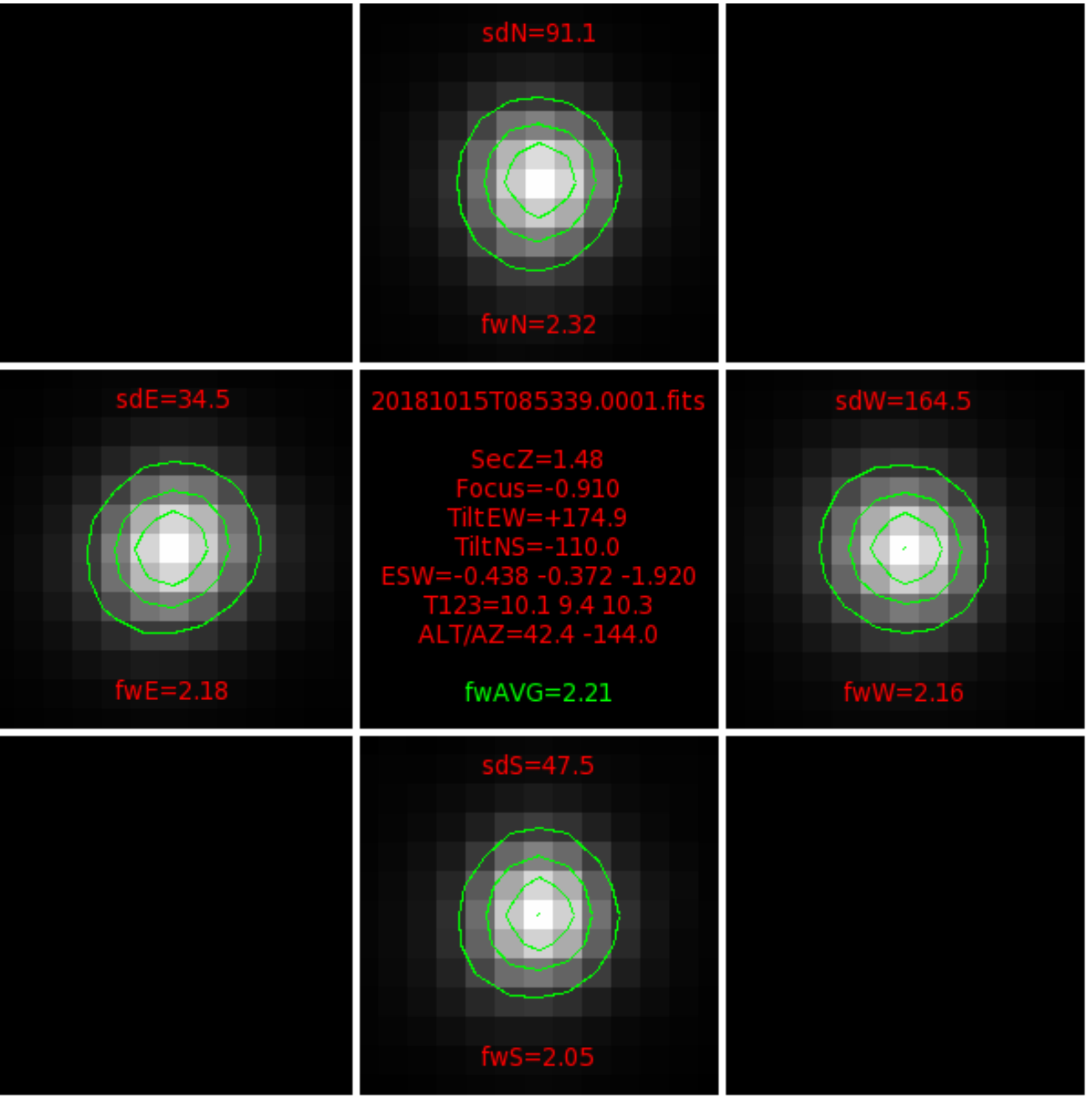
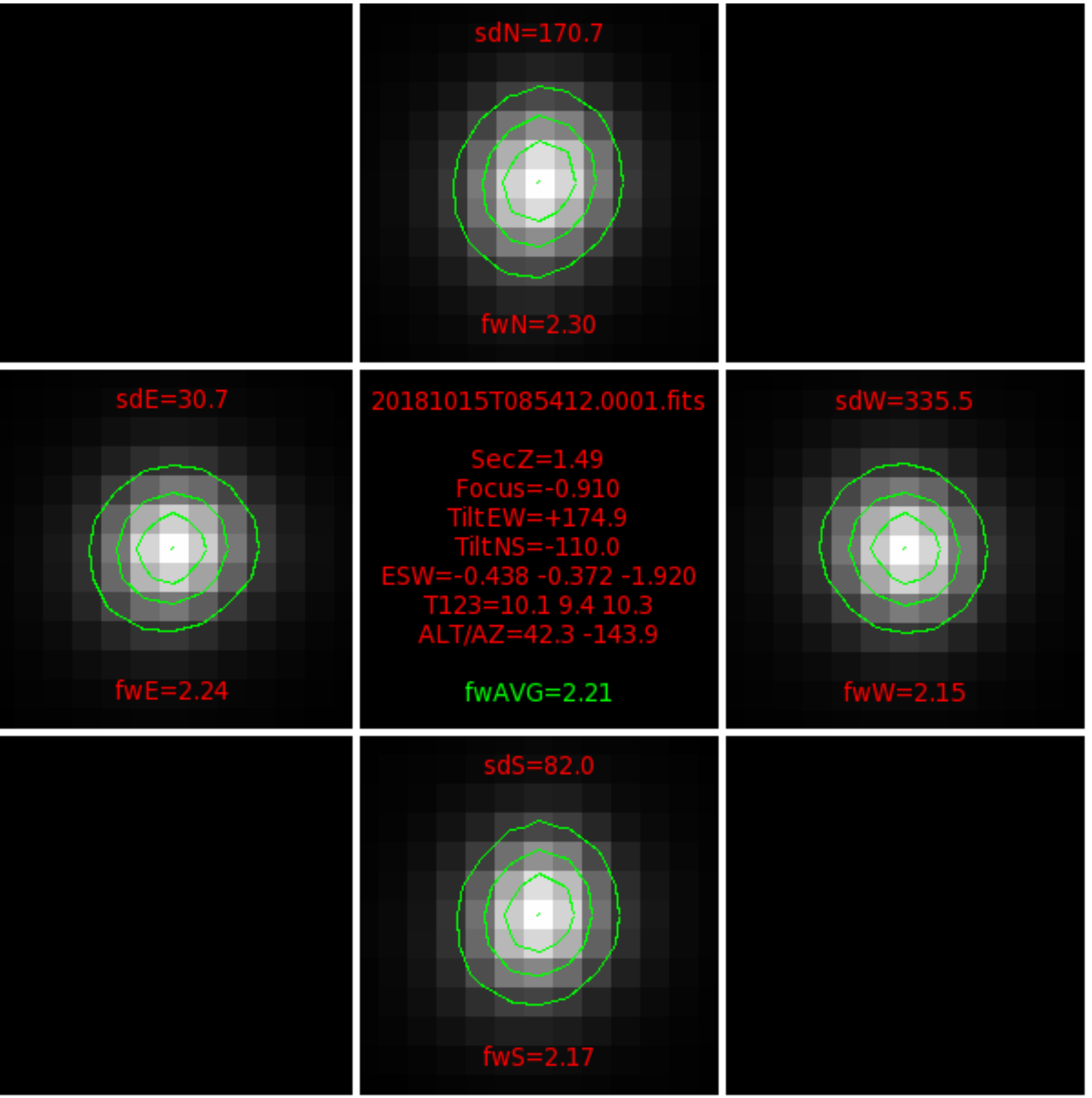
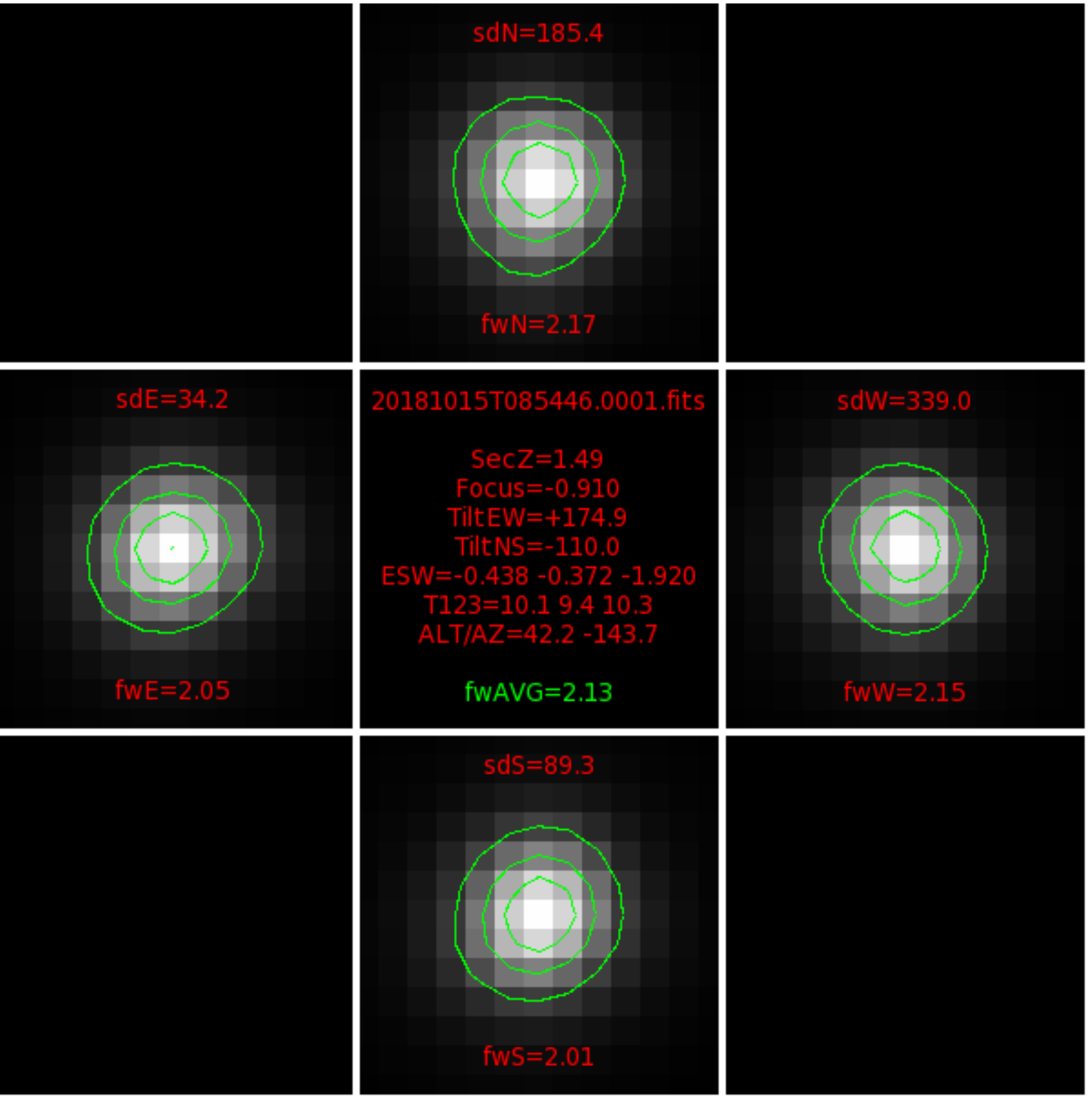

sdN=41.0
fwN=2.31
sdE=257.2
fwE=2.19
20181015T085213.0001.fits
SecZ=1.50
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=10.1 9.4 10.2
ALT/AZ=41.8 -141.8
fwAVG=2.21
sdW=186.3
fwW=2.17
sdS=37.4
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=91.1
fwN=2.32
sdE=34.5
fwE=2.18
20181015T085339.0001.fits
SecZ=1.48
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=10.1 9.4 10.3
ALT/AZ=42.4 -144.0
fwAVG=2.21
sdW=164.5
fwW=2.16
sdS=47.5
fwS=2.05
0 0 0 0 0 0 0 0 0


sdN=170.7
fwN=2.30
sdE=30.7
fwE=2.24
20181015T085412.0001.fits
SecZ=1.49
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=10.1 9.4 10.3
ALT/AZ=42.3 -143.9
fwAVG=2.21
sdW=335.5
fwW=2.15
sdS=82.0
fwS=2.17
0 0 0 0 0 0 0 0 0


sdN=185.4
fwN=2.17
sdE=34.2
fwE=2.05
20181015T085446.0001.fits
SecZ=1.49
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=10.1 9.4 10.3
ALT/AZ=42.2 -143.7
fwAVG=2.13
sdW=339.0
fwW=2.15
sdS=89.3
fwS=2.01
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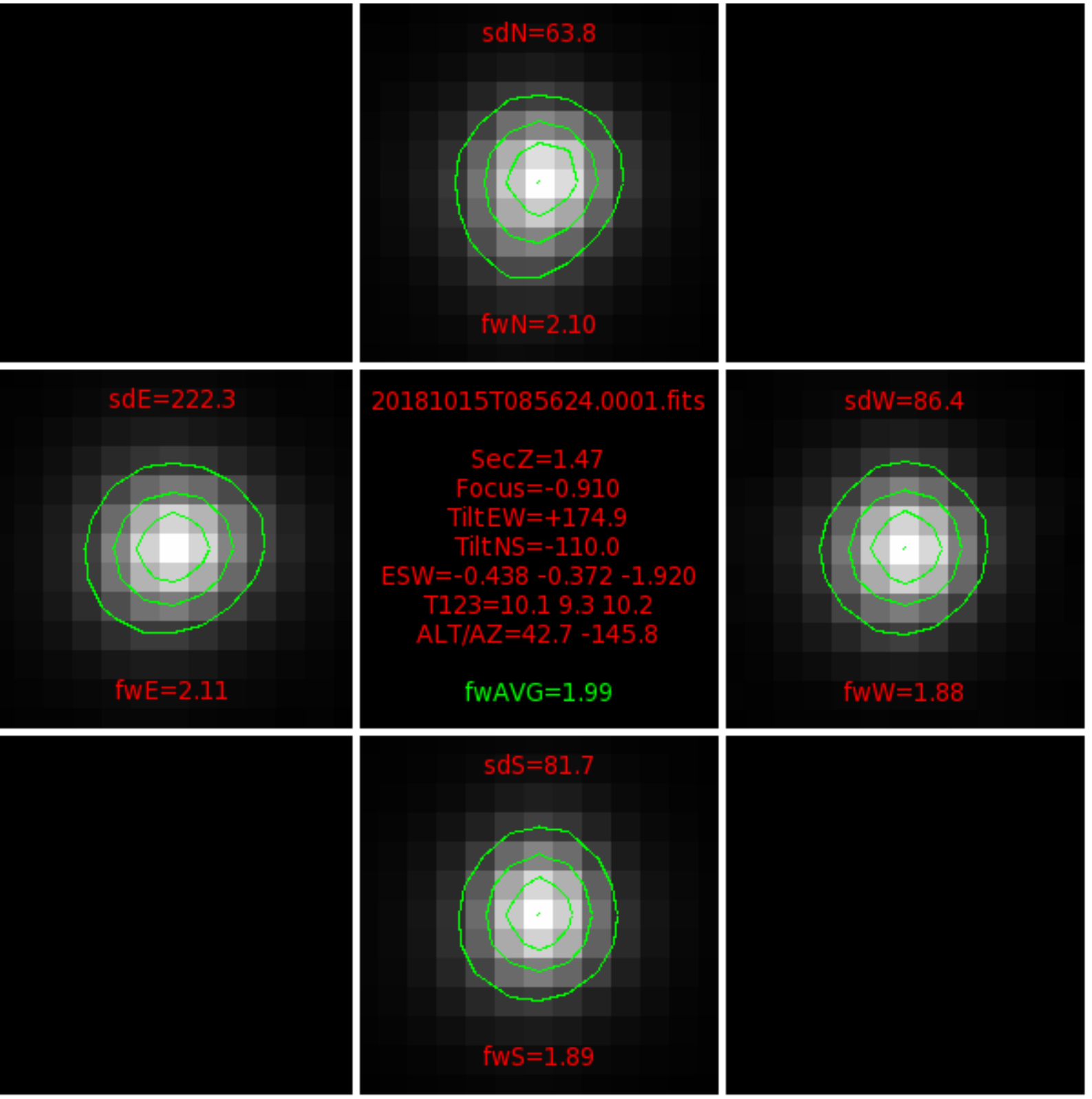
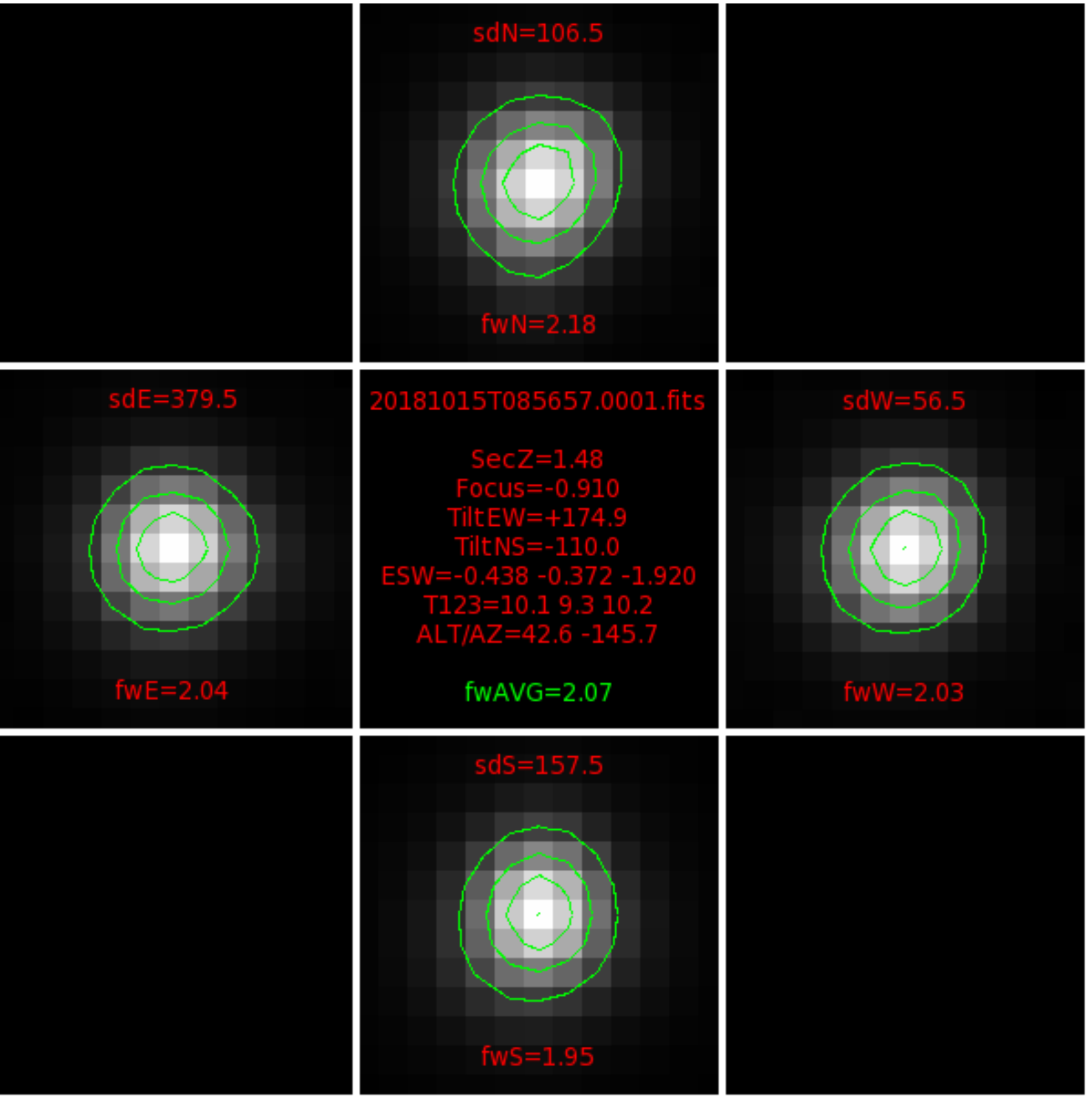
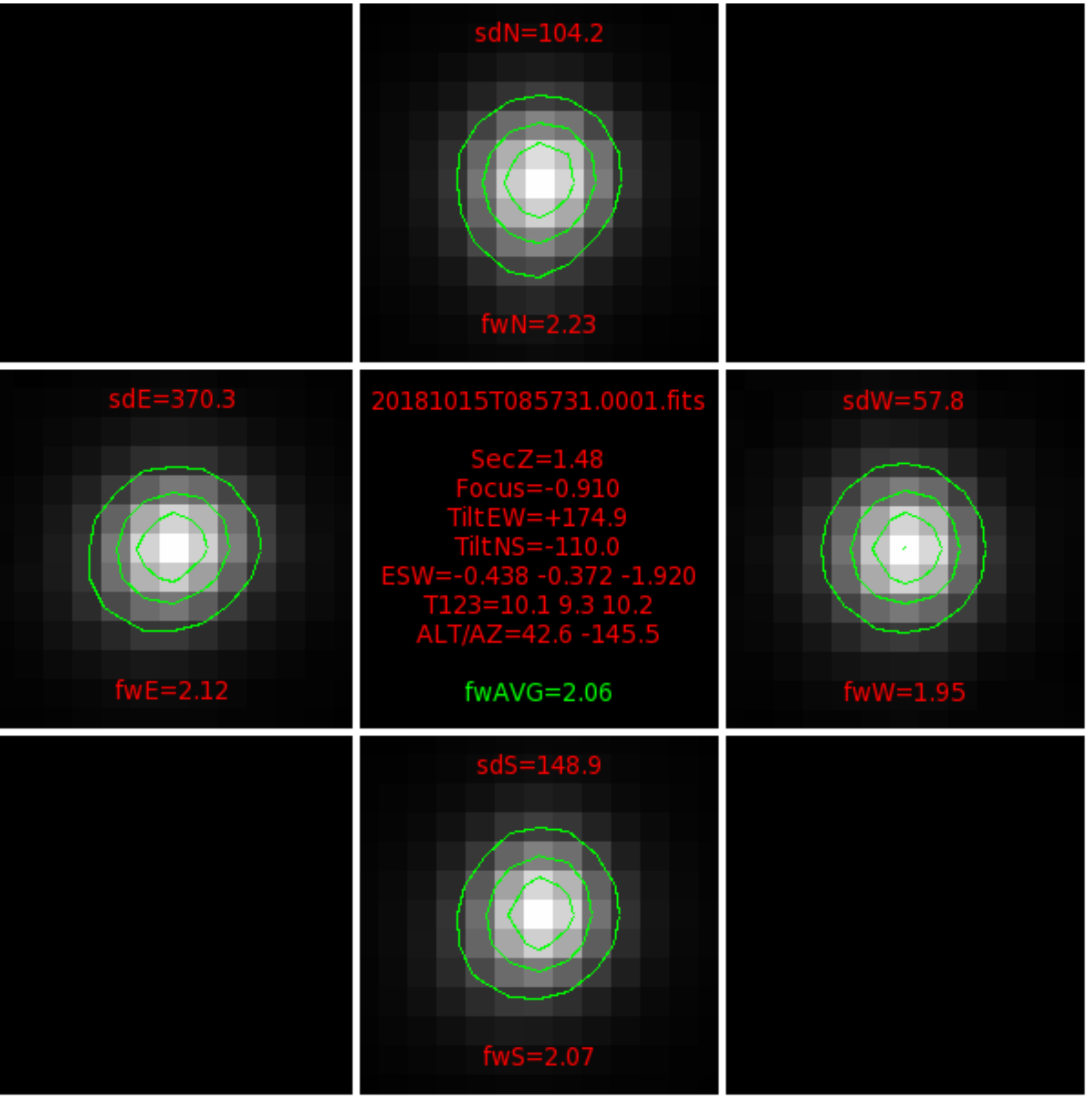
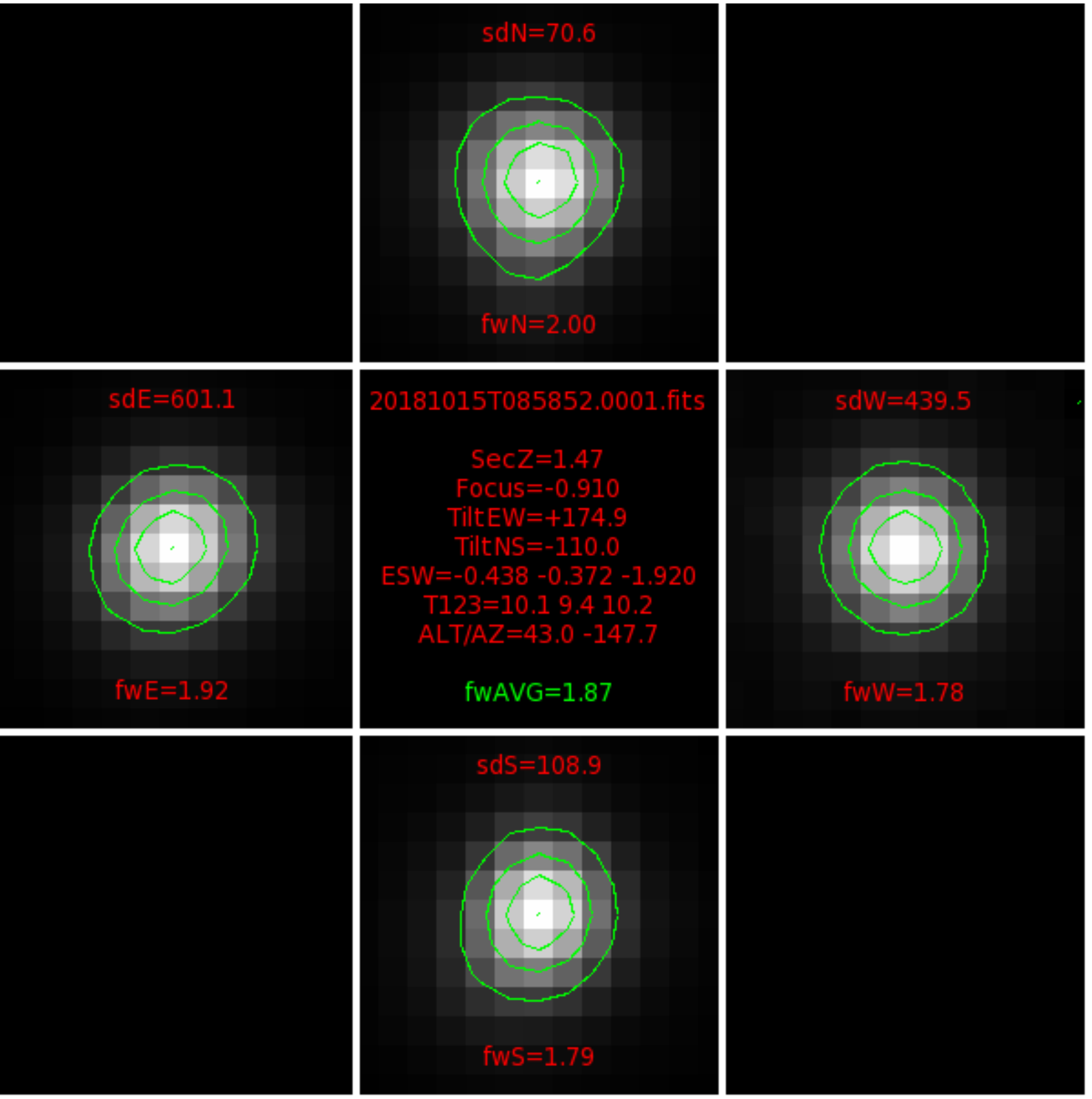
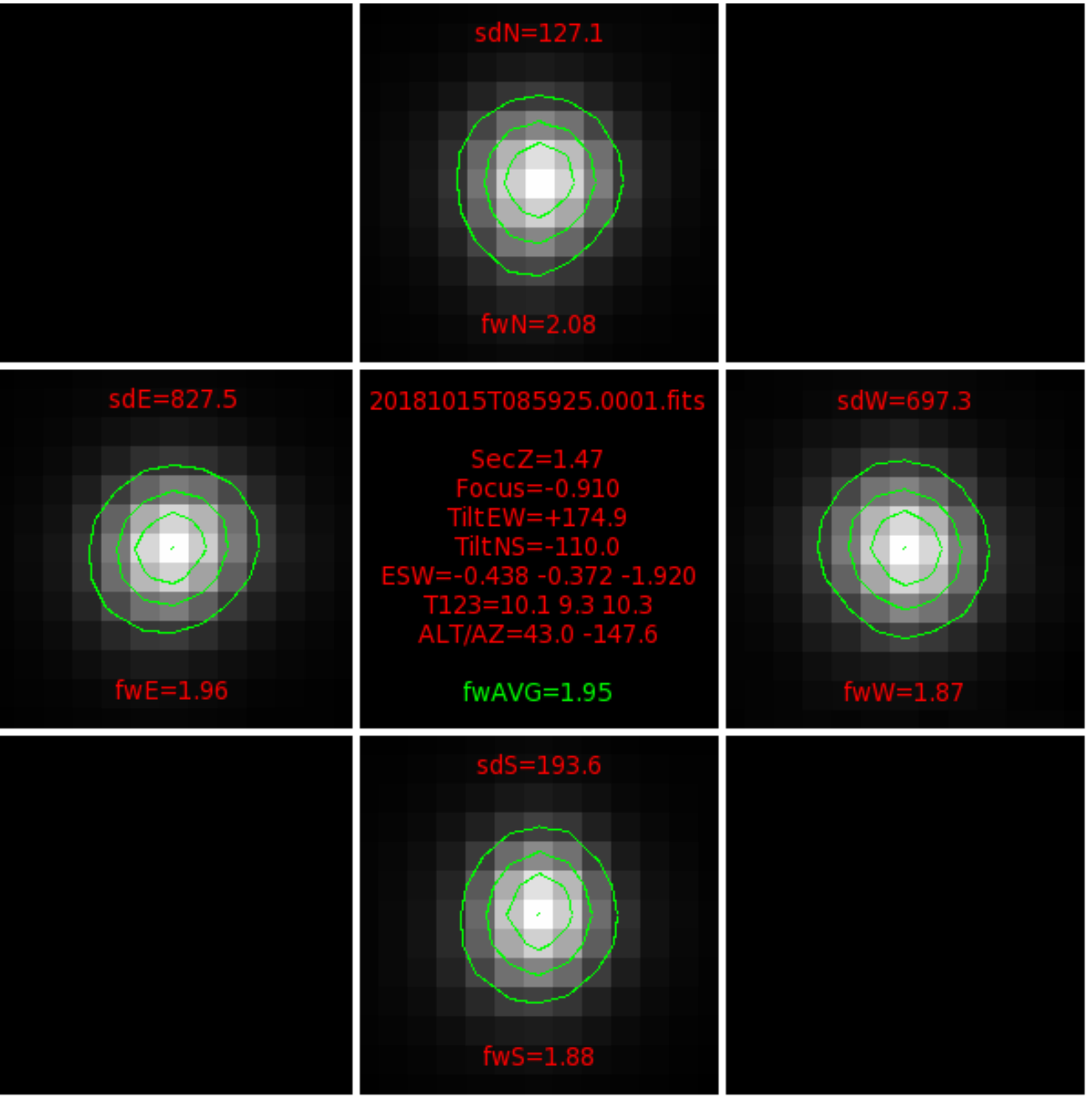
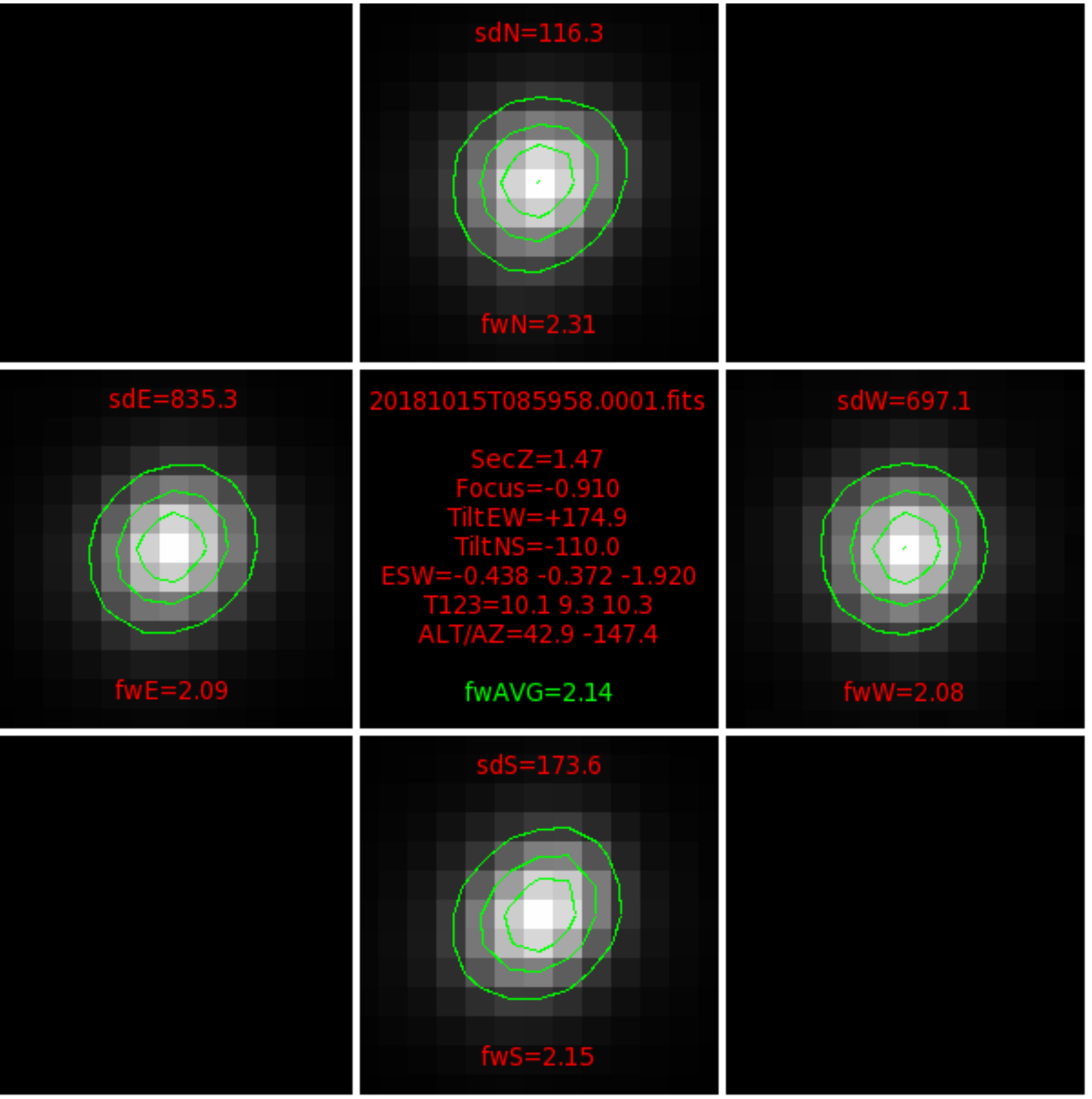

sdN=63.8
fwN=2.10
sdE=222.3
fwE=2.11
20181015T085624.0001.fits
SecZ=1.47
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=10.1 9.3 10.2
ALT/AZ=42.7 -145.8
fwAVG=1.99
sdW=86.4
fwW=1.88
sdS=81.7
fwS=1.89
0 0 0 0 0 0 0 0 0


sdN=106.5
fwN=2.18
sdE=379.5
fwE=2.04
20181015T085657.0001.fits
SecZ=1.48
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=10.1 9.3 10.2
ALT/AZ=42.6 -145.7
fwAVG=2.07
sdW=56.5
fwW=2.03
sdS=157.5
fwS=1.95
0 0 0 0 0 0 0 0 0


sdN=104.2
fwN=2.23
sdE=370.3
fwE=2.12
20181015T085731.0001.fits
SecZ=1.48
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=10.1 9.3 10.2
ALT/AZ=42.6 -145.5
fwAVG=2.06
sdW=57.8
fwW=1.95
sdS=148.9
fwS=2.07
0 0 0 0 0 0 0 0 0


sdN=70.6
fwN=2.00
sdE=601.1
fwE=1.92
20181015T085852.0001.fits
SecZ=1.47
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=10.1 9.4 10.2
ALT/AZ=43.0 -147.7
fwAVG=1.87
sdW=439.5
fwW=1.78
sdS=108.9
fwS=1.79
0 0 0 0 0 0 0 0 0


sdN=127.1
fwN=2.08
sdE=827.5
fwE=1.96
20181015T085925.0001.fits
SecZ=1.47
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=10.1 9.3 10.3
ALT/AZ=43.0 -147.6
fwAVG=1.95
sdW=697.3
fwW=1.87
sdS=193.6
fwS=1.88
0 0 0 0 0 0 0 0 0


sdN=116.3
fwN=2.31
sdE=835.3
fwE=2.09
20181015T085958.0001.fits
SecZ=1.47
Focus=-0.910
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.438 -0.372 -1.920
T123=10.1 9.3 10.3
ALT/AZ=42.9 -147.4
fwAVG=2.14
sdW=697.1
fwW=2.08
sdS=173.6
fwS=2.15
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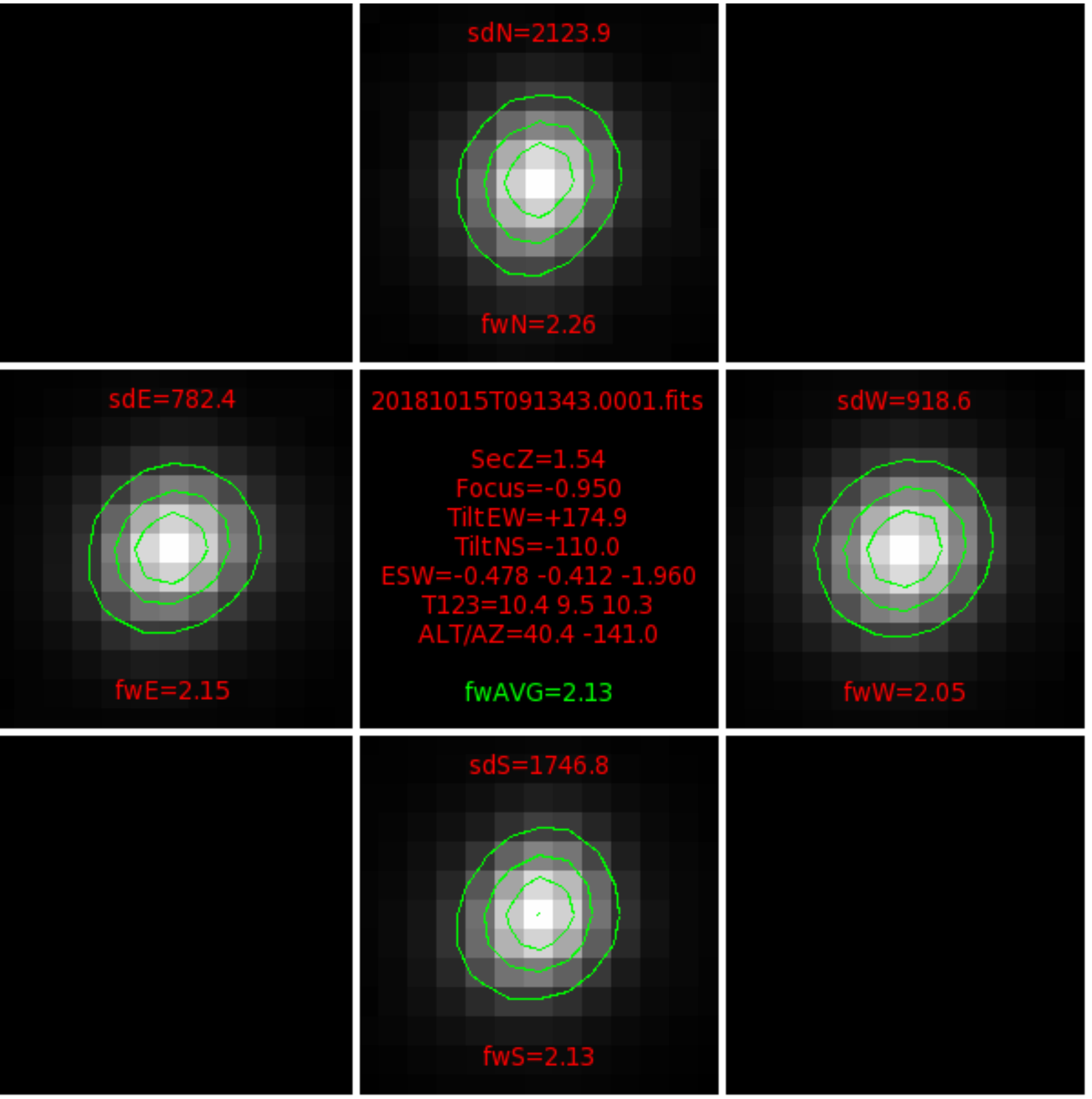
sdN=2123.9
fwN=2.26
sdE=782.4
fwE=2.15
20181015T091343.0001.fits
SecZ=1.54
Focus=-0.950
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.478 -0.412 -1.960
T123=10.4 9.5 10.3
ALT/AZ=40.4 -141.0
fwAVG=2.13
sdW=918.6
fwW=2.05
sdS=1746.8
fwS=2.13
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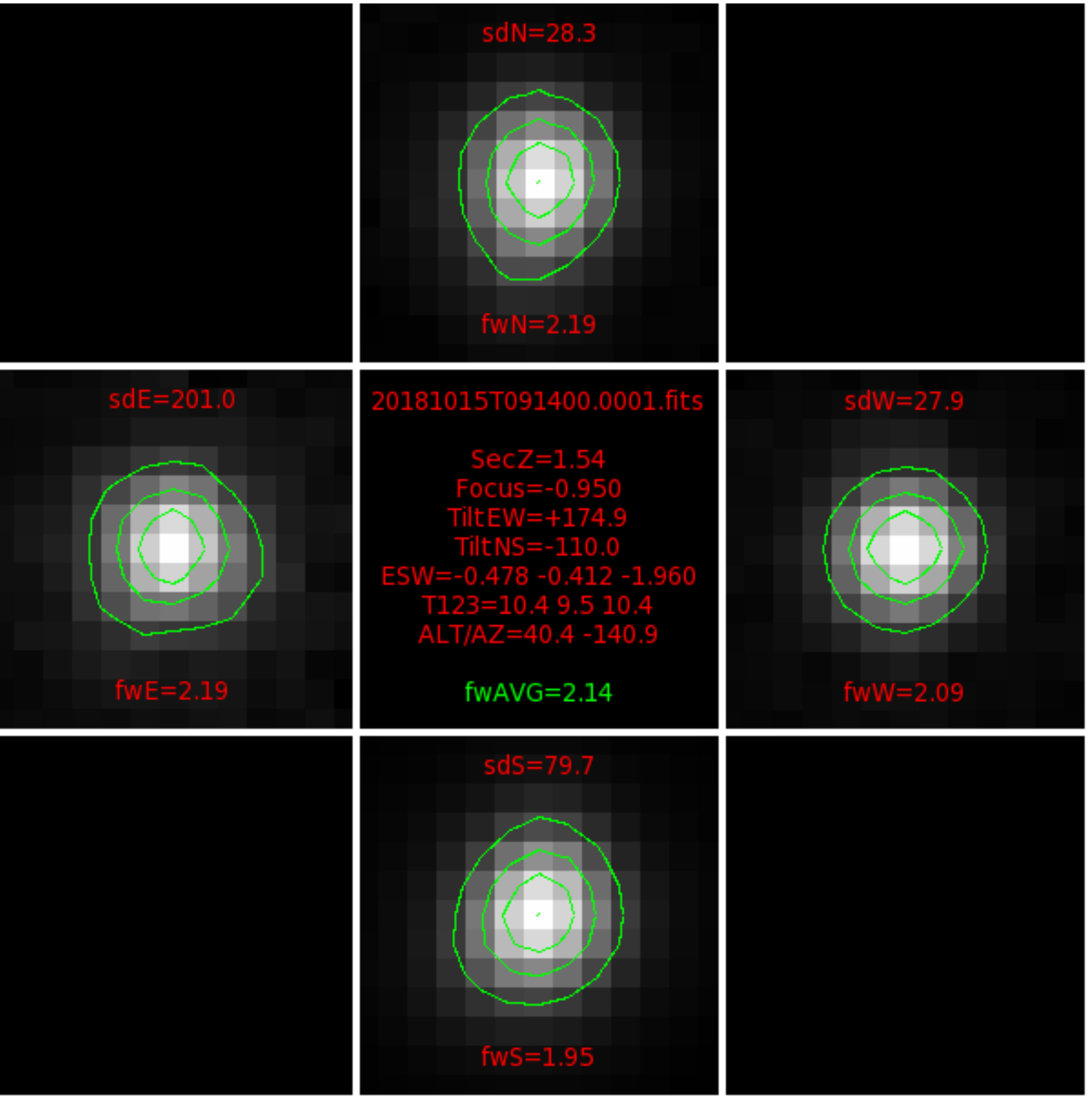
sdN=28.3
fwN=2.19
sdE=201.0
fwE=2.19
20181015T091400.0001.fits
SecZ=1.54
Focus=-0.950
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.478 -0.412 -1.960
T123=10.4 9.5 10.4
ALT/AZ=40.4 -140.9
fwAVG=2.14
sdW=27.9
fwW=2.09
sdS=79.7
fwS=1.95
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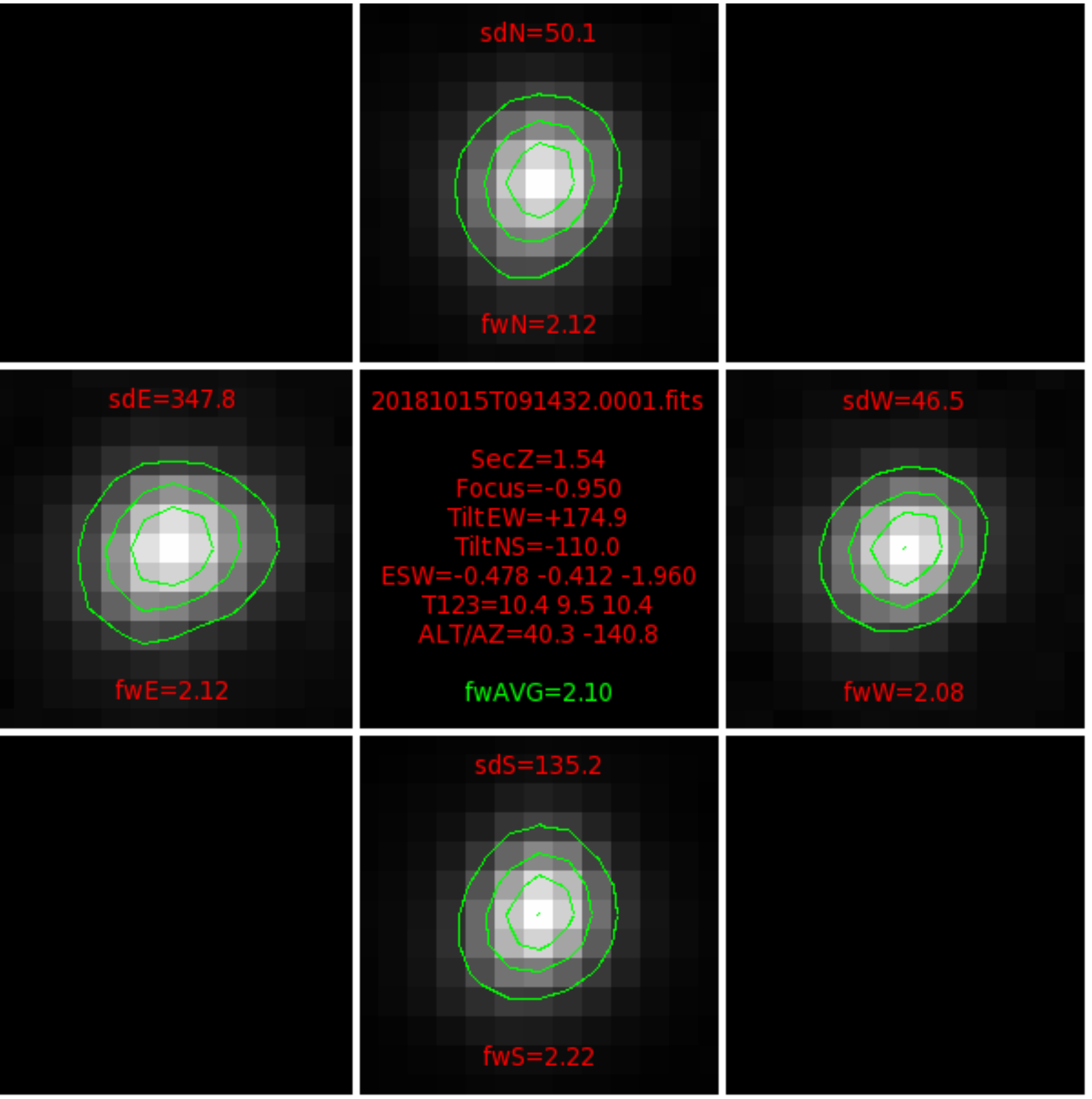
sdN=50.1
fwN=2.12
sdE=347.8
fwE=2.12
20181015T091432.0001.fits
SecZ=1.54
Focus=-0.950
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.478 -0.412 -1.960
T123=10.4 9.5 10.4
ALT/AZ=40.3 -140.8
fwAVG=2.10
sdW=46.5
fwW=2.08
sdS=135.2
fwS=2.22
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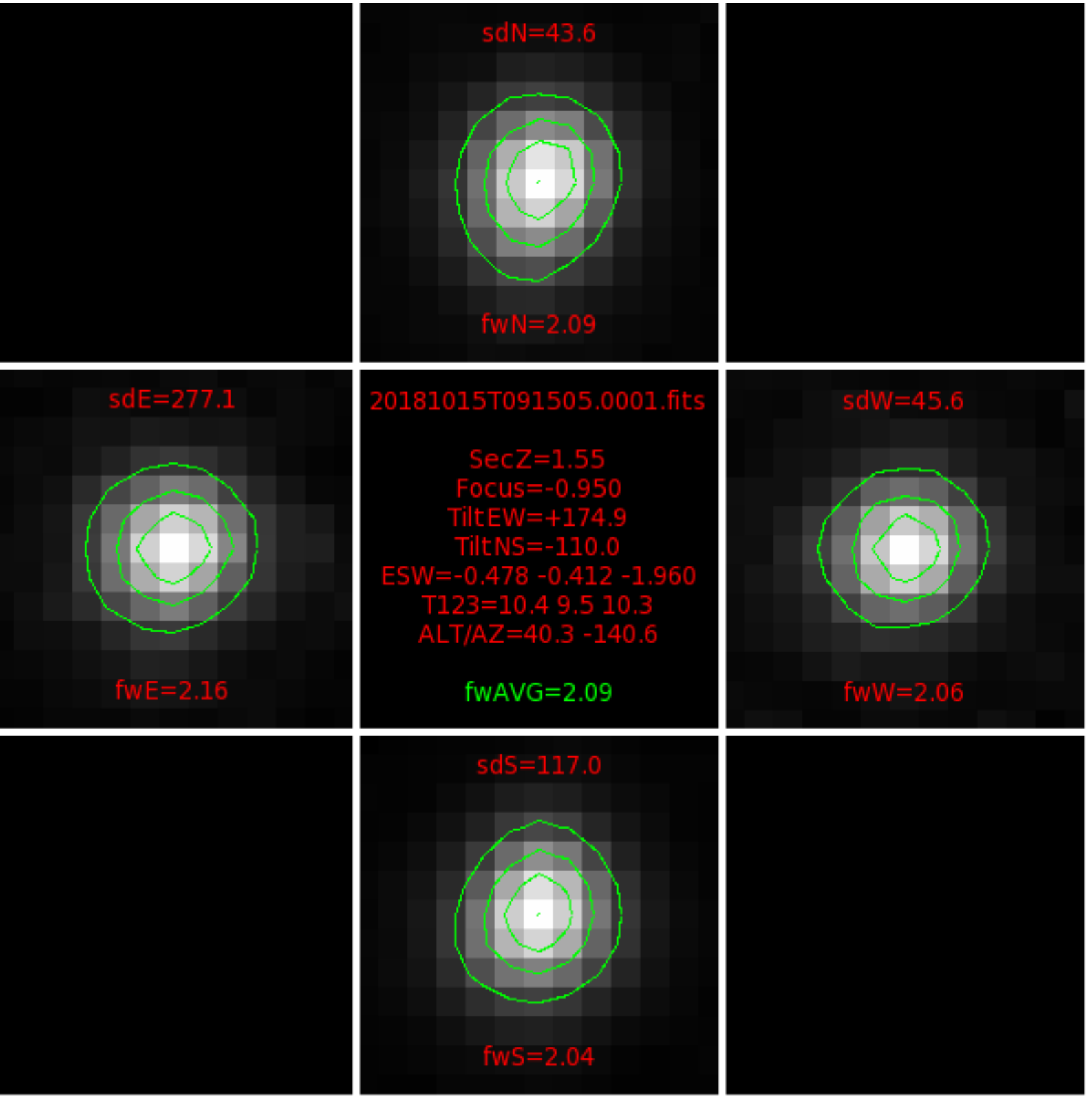
sdN=43.6
fwN=2.09
sdE=277.1
fwE=2.16
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SecZ=1.55
Focus=-0.950
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.478 -0.412 -1.960
T123=10.4 9.5 10.3
ALT/AZ=40.3 -140.6
fwAVG=2.09
sdW=45.6
fwW=2.06
sdS=117.0
fwS=2.04
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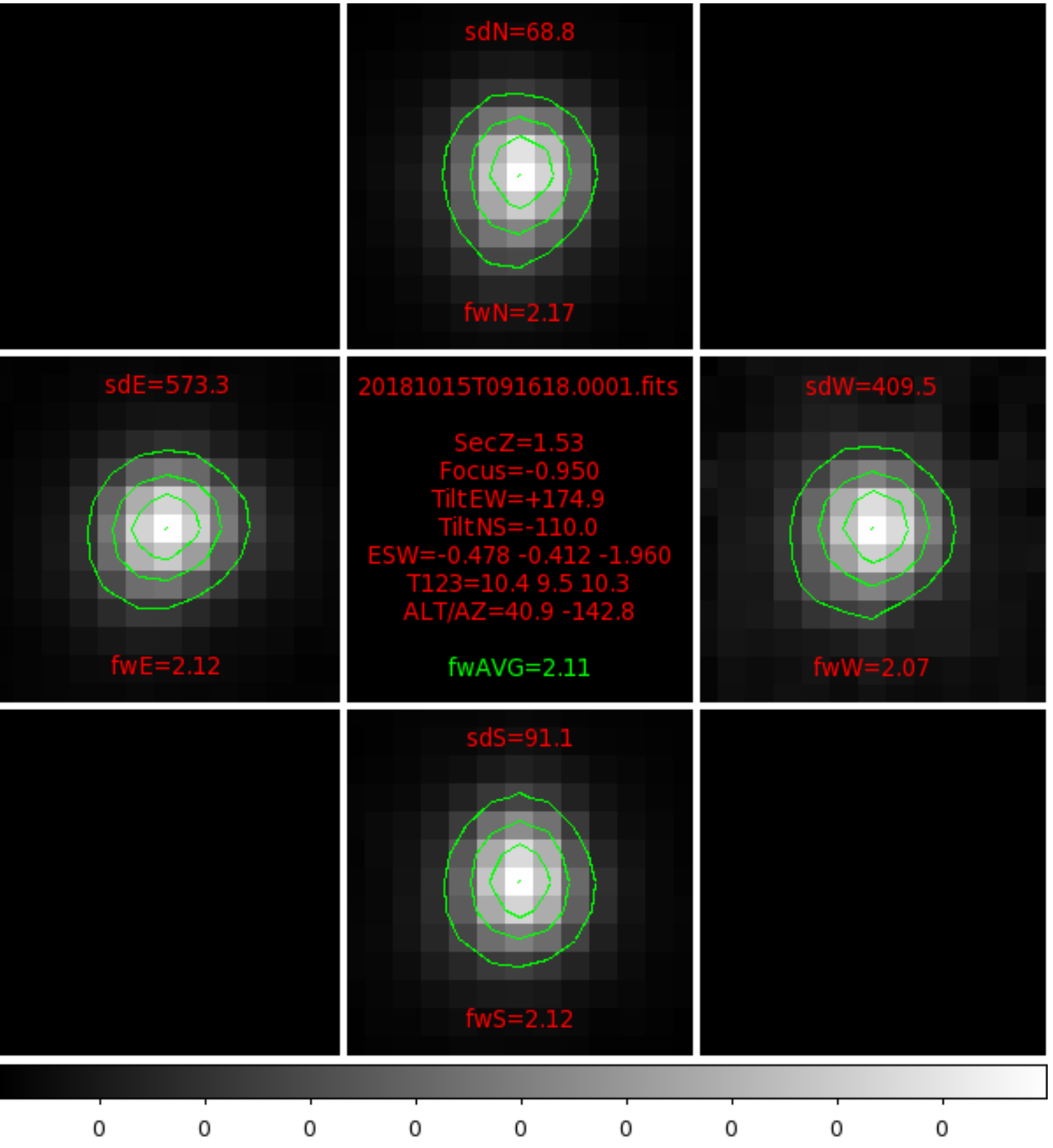
sdN=68.8
fwN=2.17
sdE=573.3
fwE=2.12
20181015T091618.0001.fits
SecZ=1.53
Focus=-0.950
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.478 -0.412 -1.960
T123=10.4 9.5 10.3
ALT/AZ=40.9 -142.8
fwAVG=2.11
sdW=409.5
fwW=2.07
sdS=91.1
fwS=2.12
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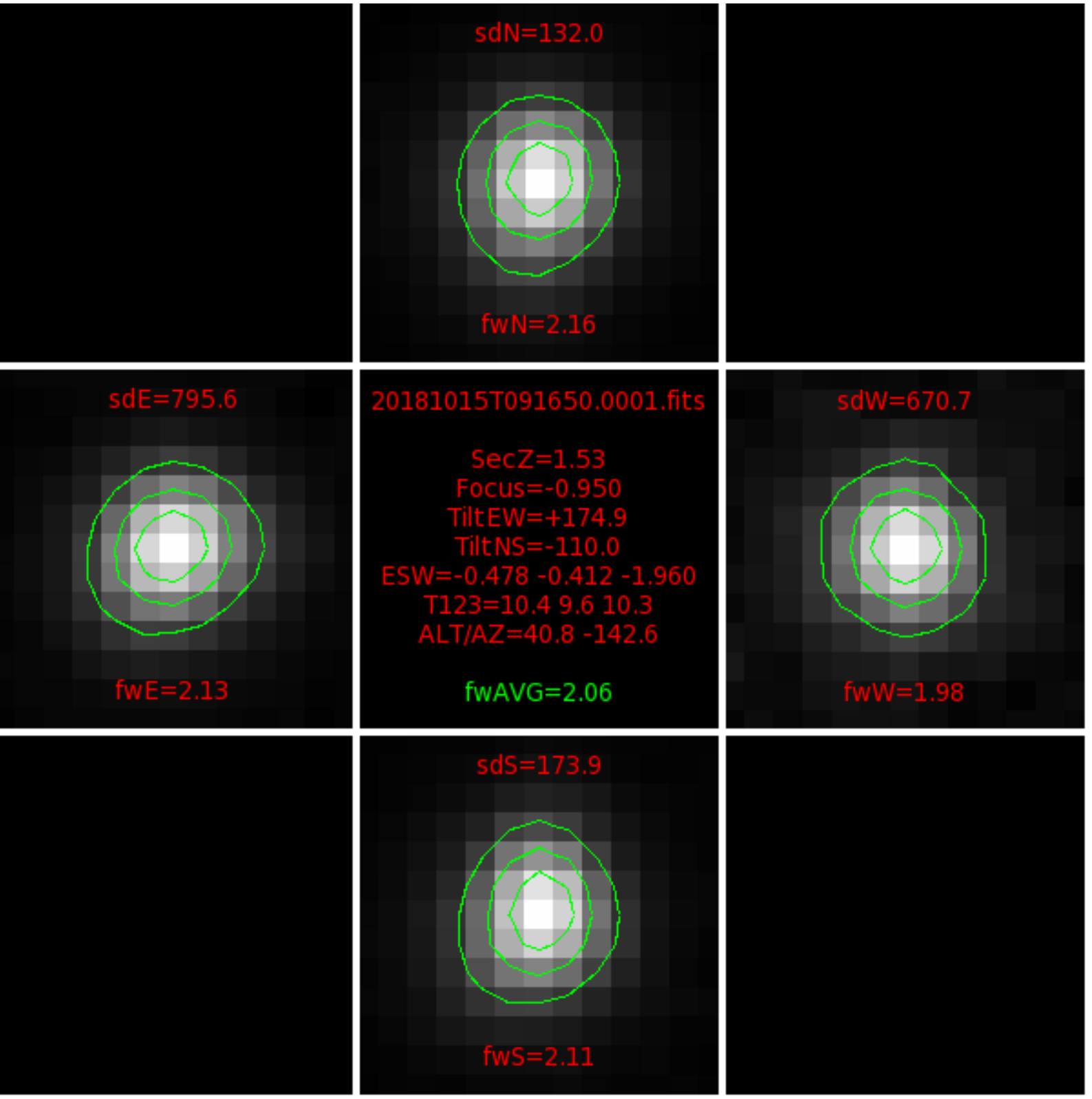
sdN=132.0
fwN=2.16
sdE=795.6
fwE=2.13
20181015T091650.0001.fits
SecZ=1.53
Focus=-0.950
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.478 -0.412 -1.960
T123=10.4 9.6 10.3
ALT/AZ=40.8 -142.6
fwAVG=2.06
sdW=670.7
fwW=1.98
sdS=173.9
fwS=2.11
0 0 0 0 0 0 0 0 0