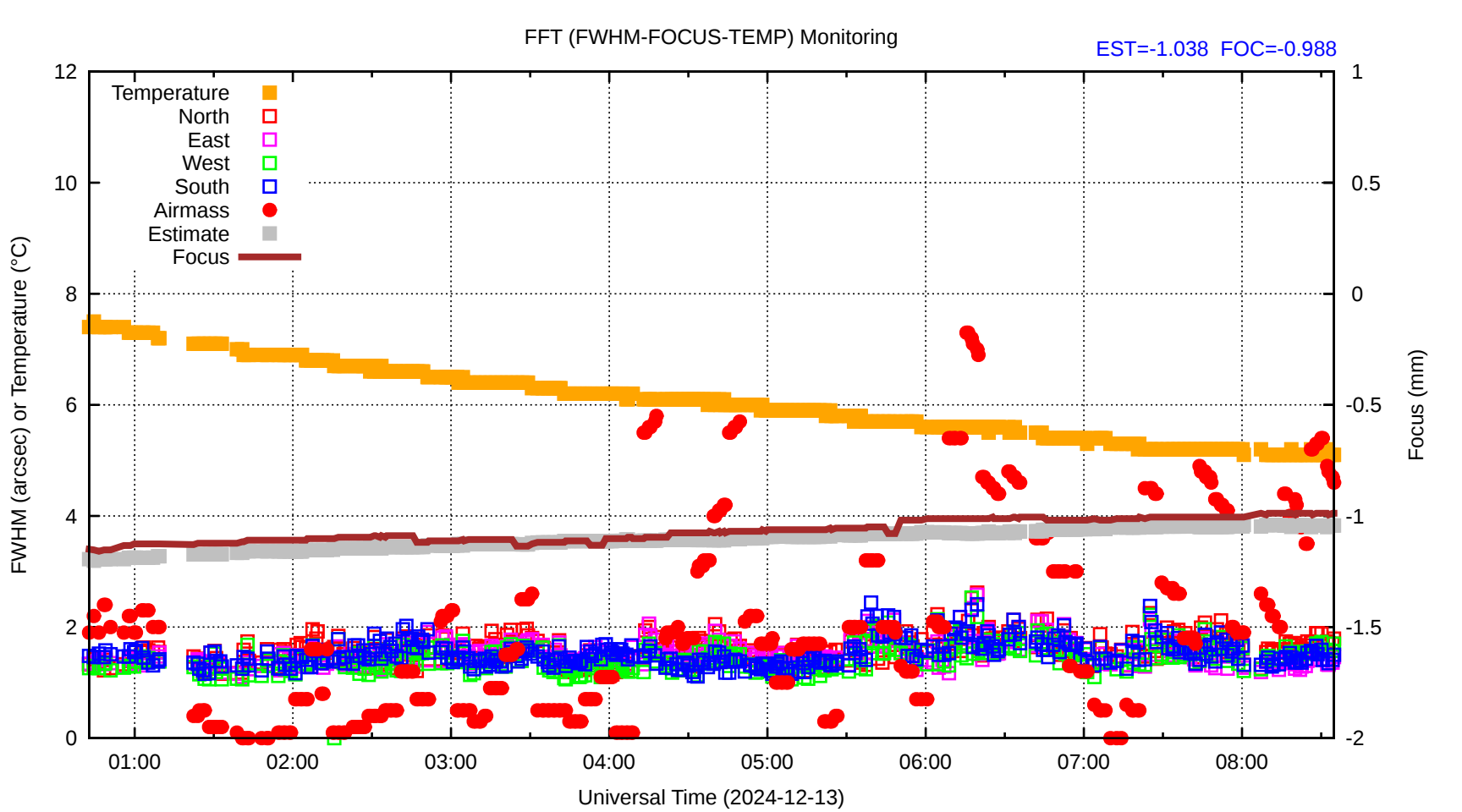
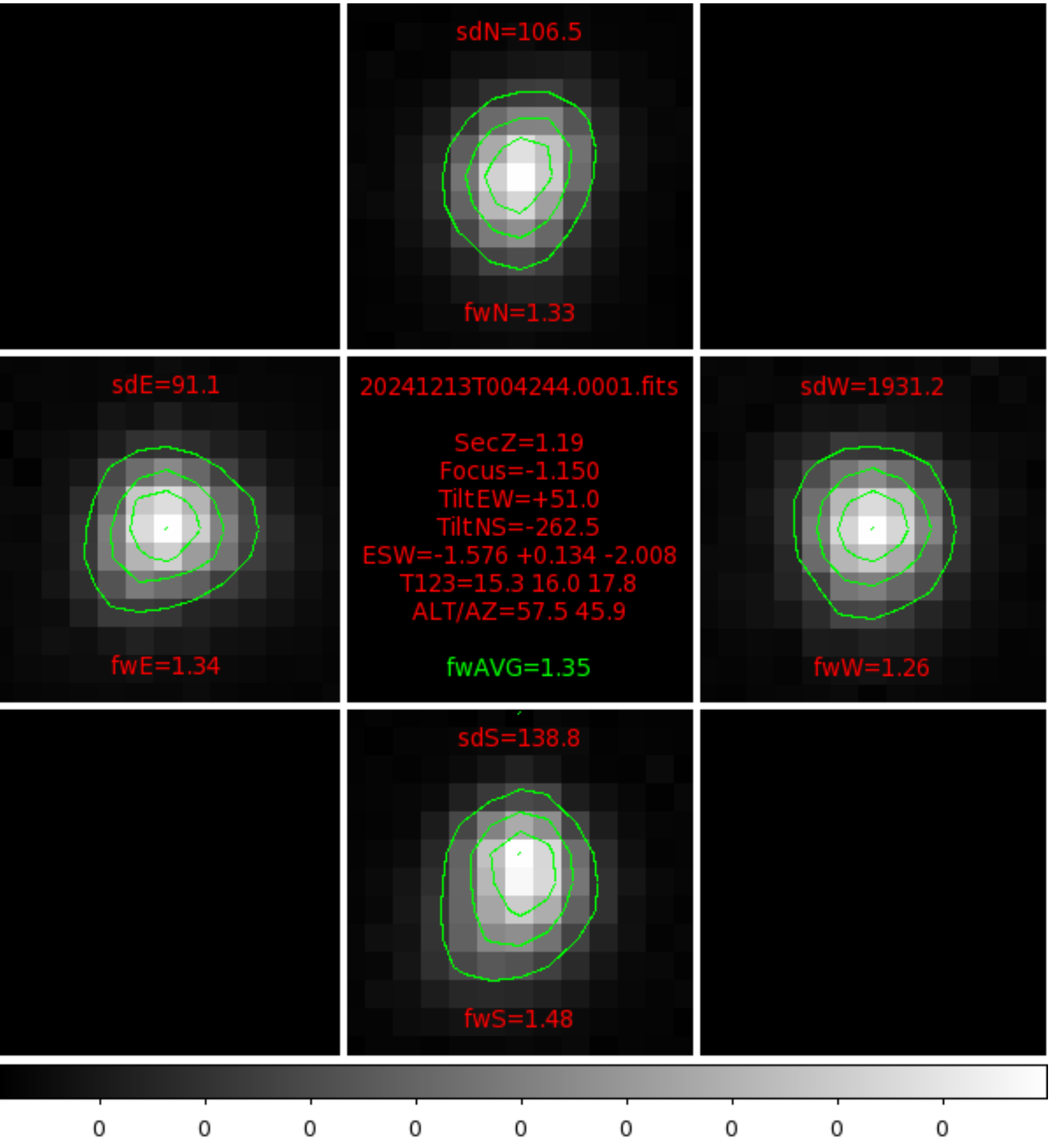

FFT (FWHM-FOCUS-TEMP) Monitoring
EST=-1.038 FOC=-0.988
Temperature
North
East
West
South
Airmass
Estimate
Focus
FWHM (arcsec) or Temperature (°C)
Focus (mm)
Universal Time (2024-12-13)
0
2
4
6
8
10
12
-2
-1.5
-1
-0.5
0
0.5
1
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00


sdN=106.5
fwN=1.33
sdE=91.1
fwE=1.34
20241213T004244.0001.fits
SecZ=1.19
Focus=-1.150
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.576 +0.134 -2.008
T123=15.3 16.0 17.8
ALT/AZ=57.5 45.9
fwAVG=1.35
sdW=1931.2
fwW=1.26
sdS=138.8
fwS=1.48
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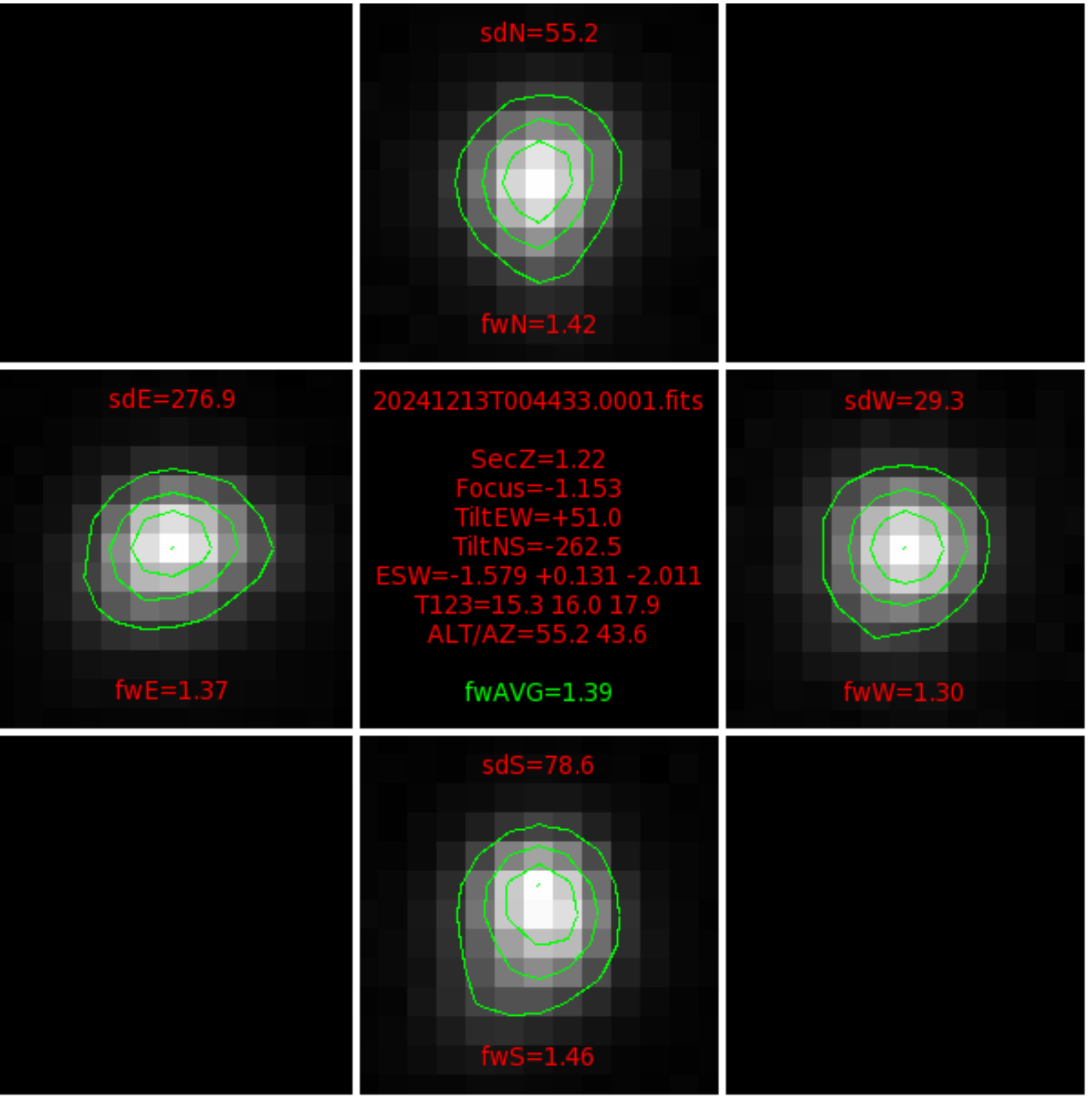
sdN=55.2
fwN=1.42
sdE=276.9
fwE=1.37
20241213T004433.0001.fits
SecZ=1.22
Focus=-1.153
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.579 +0.131 -2.011
T123=15.3 16.0 17.9
ALT/AZ=55.2 43.6
fwAVG=1.39
sdW=29.3
fwW=1.30
sdS=78.6
fwS=1.46
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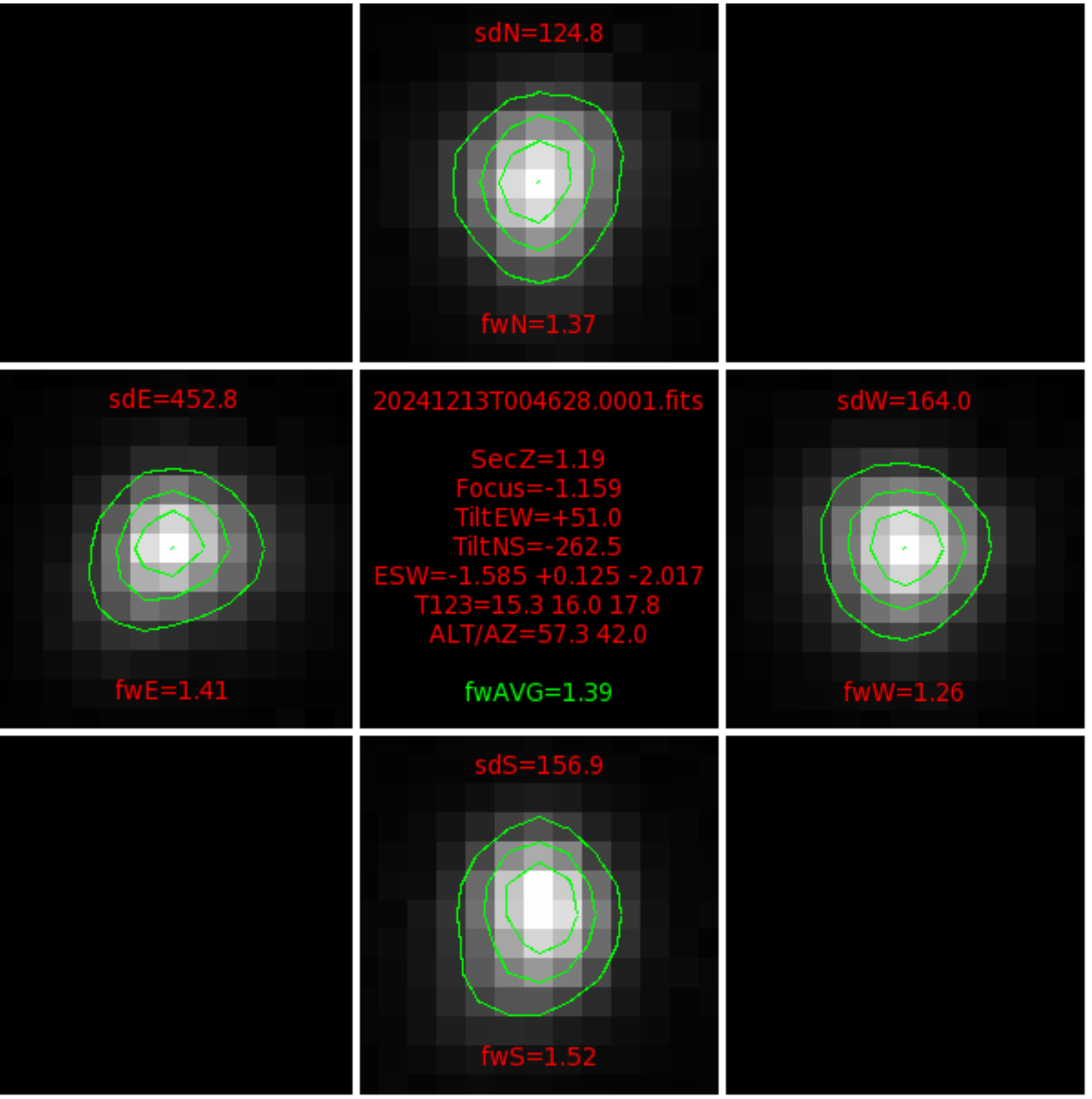
sdN=124.8
fwN=1.37
sdE=452.8
fwE=1.41
20241213T004628.0001.fits
SecZ=1.19
Focus=-1.159
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.585 +0.125 -2.017
T123=15.3 16.0 17.8
ALT/AZ=57.3 42.0
fwAVG=1.39
sdW=164.0
fwW=1.26
sdS=156.9
fwS=1.52
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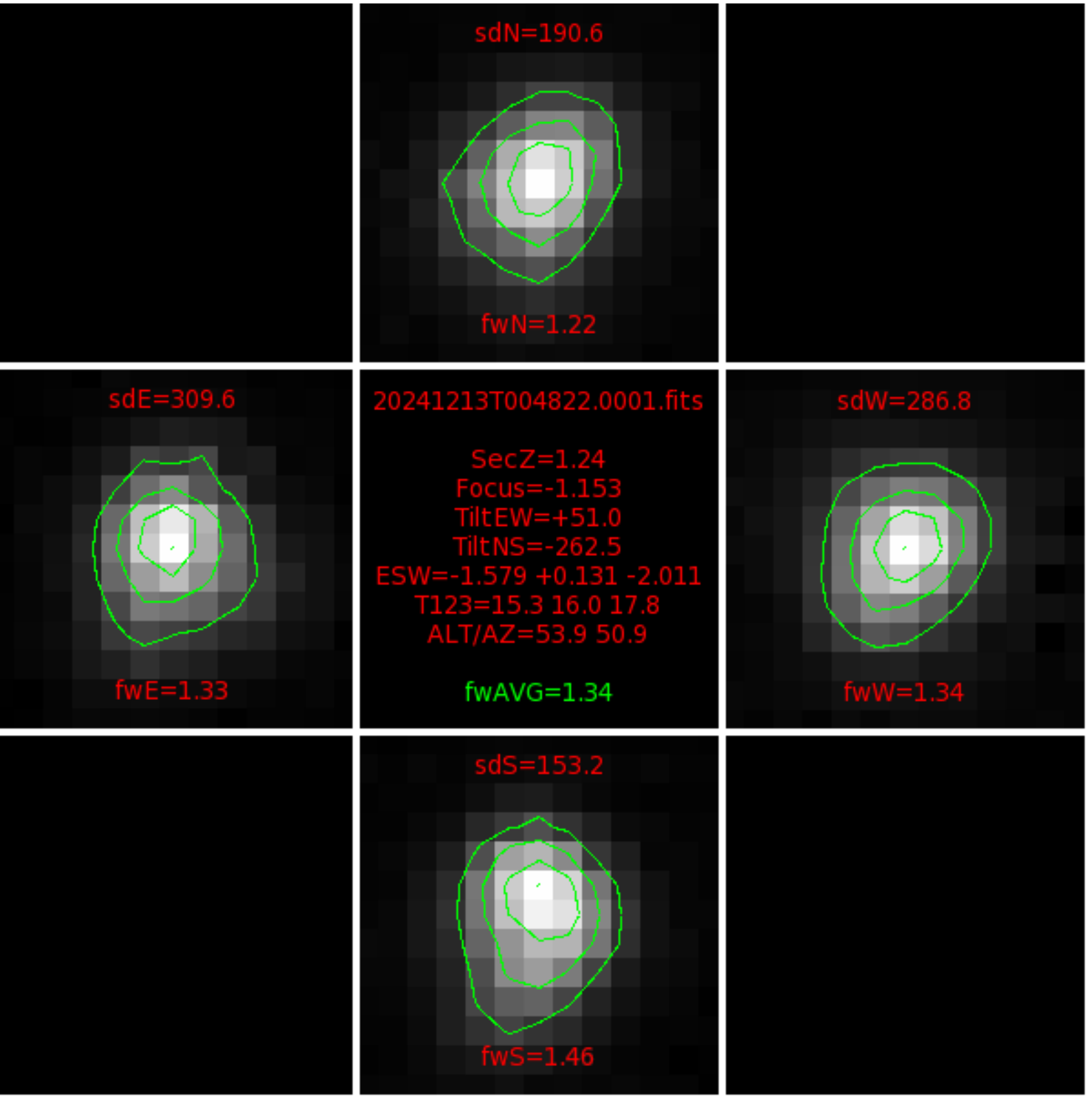
sdN=190.6
fwN=1.22
sdE=309.6
fwE=1.33
20241213T004822.0001.fits
SecZ=1.24
Focus=-1.153
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.579 +0.131 -2.011
T123=15.3 16.0 17.8
ALT/AZ=53.9 50.9
fwAVG=1.34
sdW=286.8
fwW=1.34
sdS=153.2
fwS=1.46
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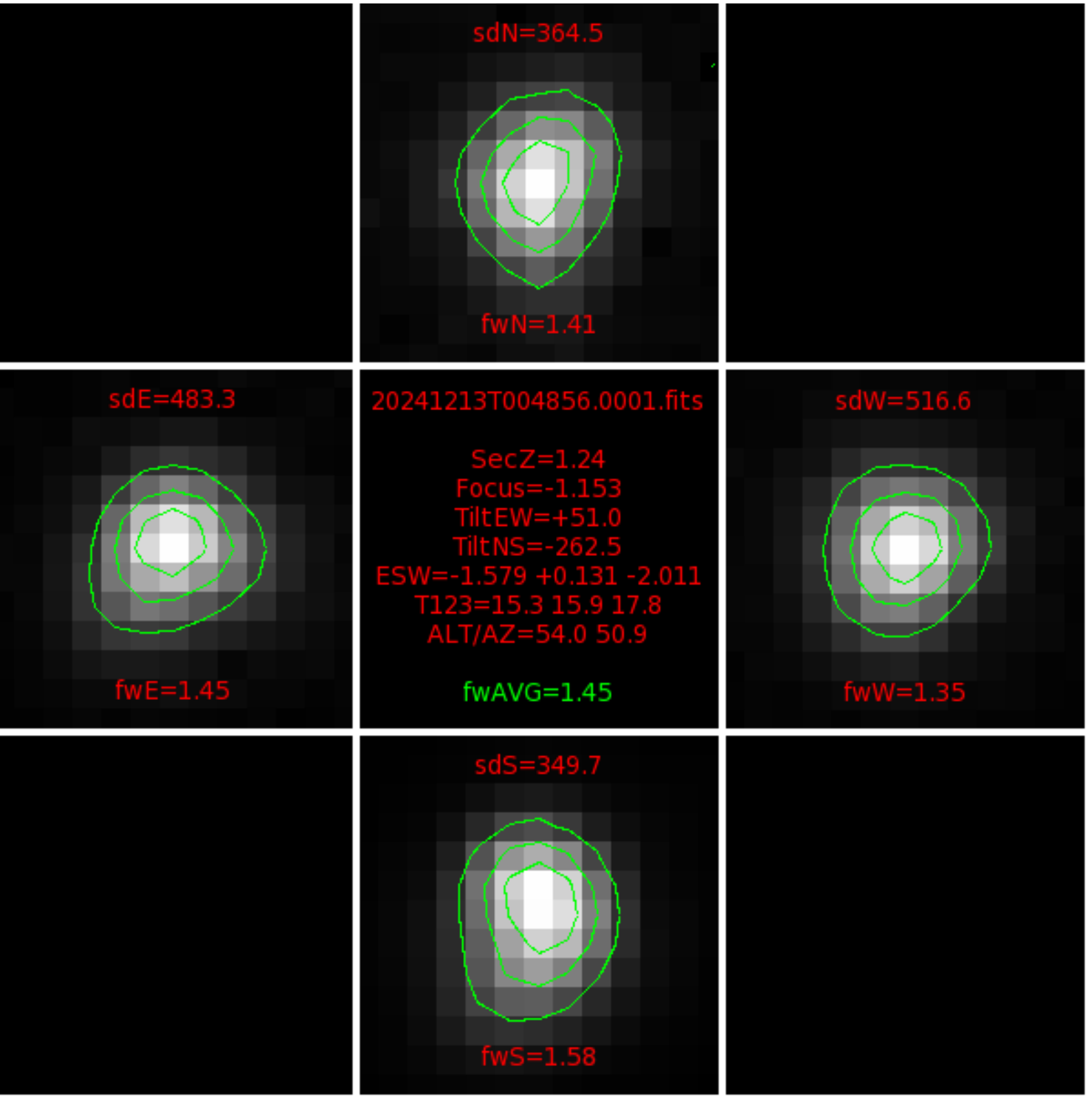
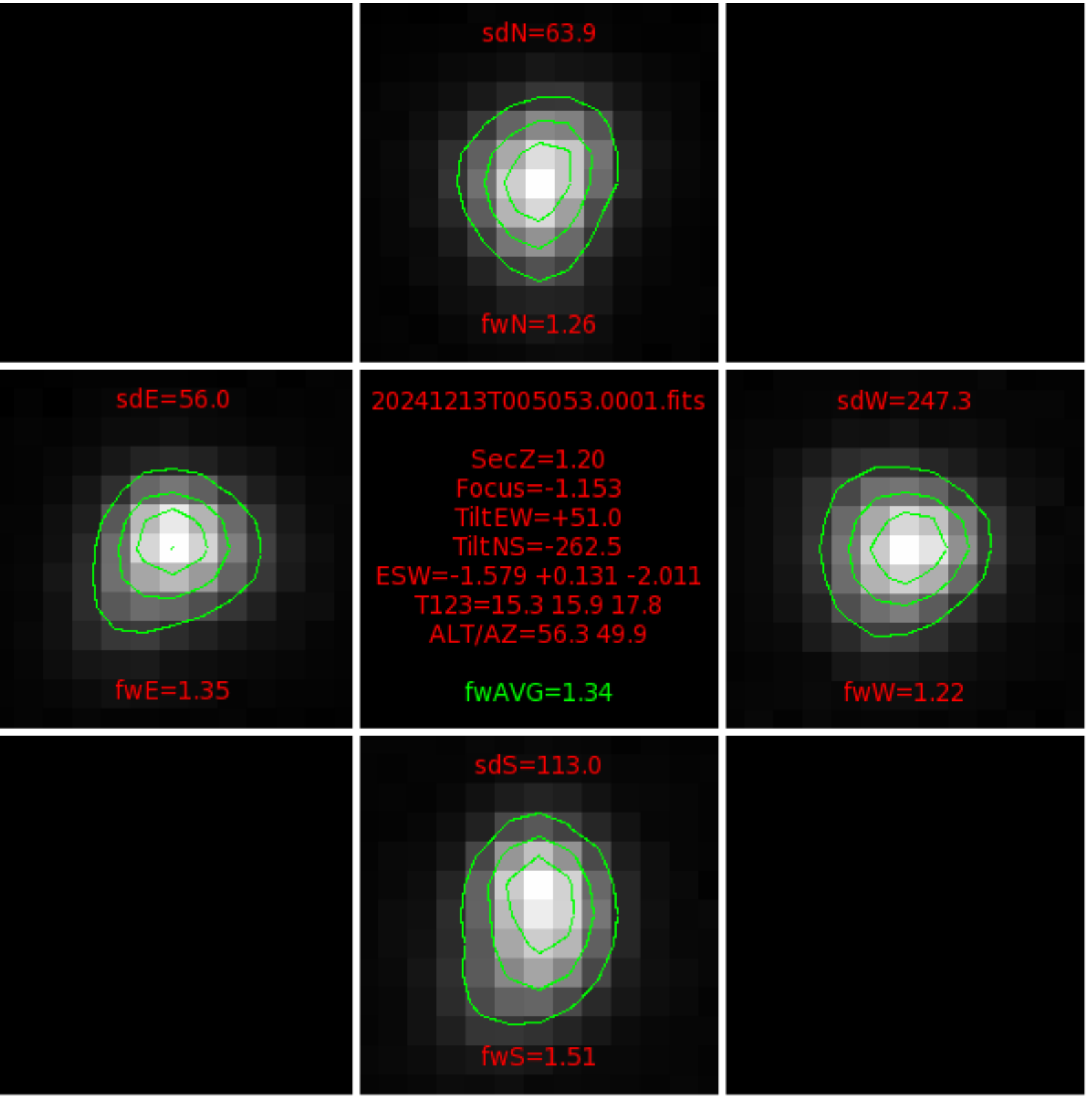

sdN=364.5
fwN=1.41
sdE=483.3
fwE=1.45
20241213T004856.0001.fits
SecZ=1.24
Focus=-1.153
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.579 +0.131 -2.011
T123=15.3 15.9 17.8
ALT/AZ=54.0 50.9
fwAVG=1.45
sdW=516.6
fwW=1.35
sdS=349.7
fwS=1.58
0 0 0 0 0 0 0 0 0


sdN=63.9
fwN=1.26
sdE=56.0
fwE=1.35
20241213T005053.0001.fits
SecZ=1.20
Focus=-1.153
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.579 +0.131 -2.011
T123=15.3 15.9 17.8
ALT/AZ=56.3 49.9
fwAVG=1.34
sdW=247.3
fwW=1.22
sdS=113.0
fwS=1.51
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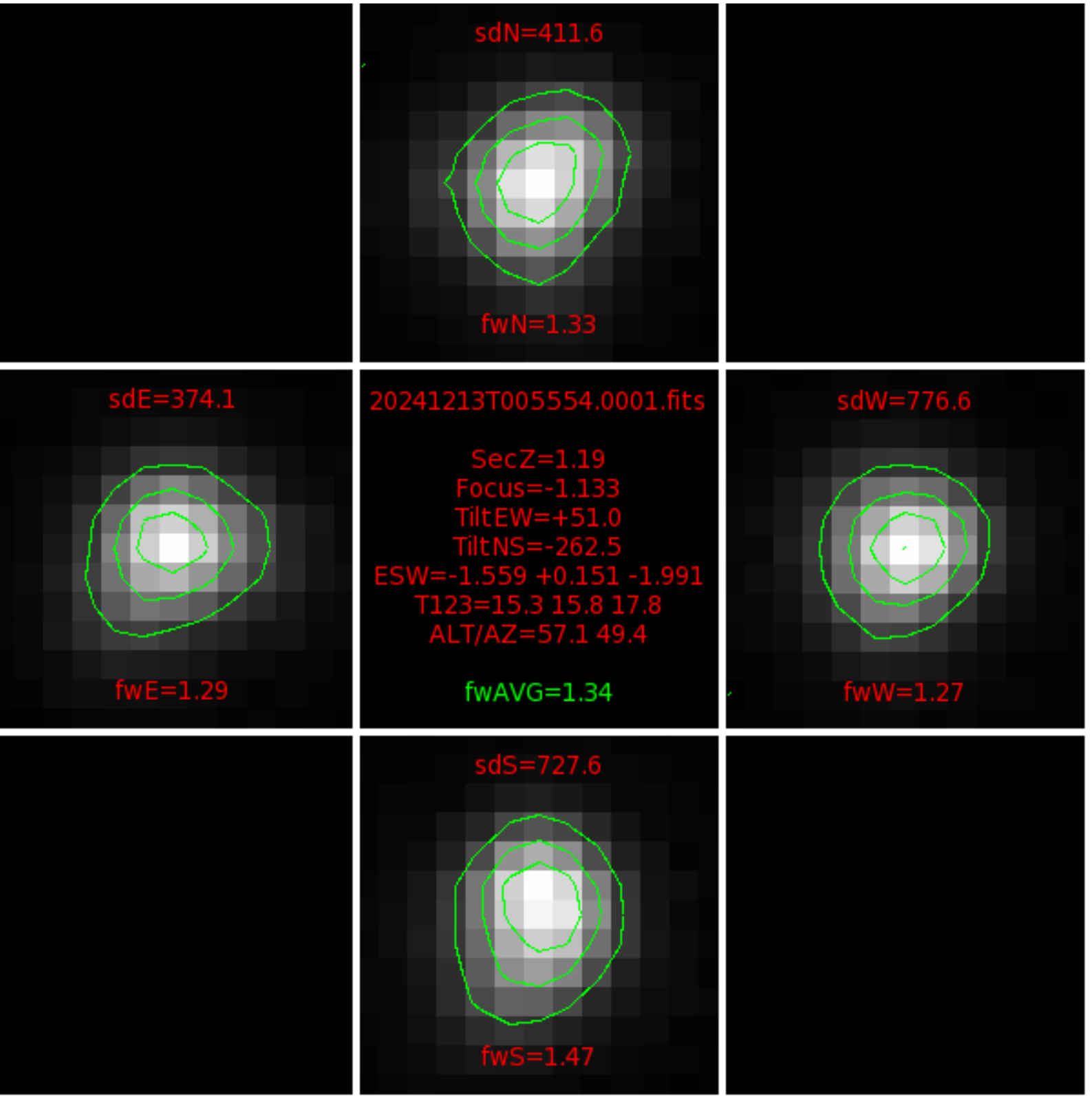
sdN=411.6
fwN=1.33
sdE=374.1
fwE=1.29
20241213T005554.0001.fits
SecZ=1.19
Focus=-1.133
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.559 +0.151 -1.991
T123=15.3 15.8 17.8
ALT/AZ=57.1 49.4
fwAVG=1.34
sdW=776.6
fwW=1.27
sdS=727.6
fwS=1.47
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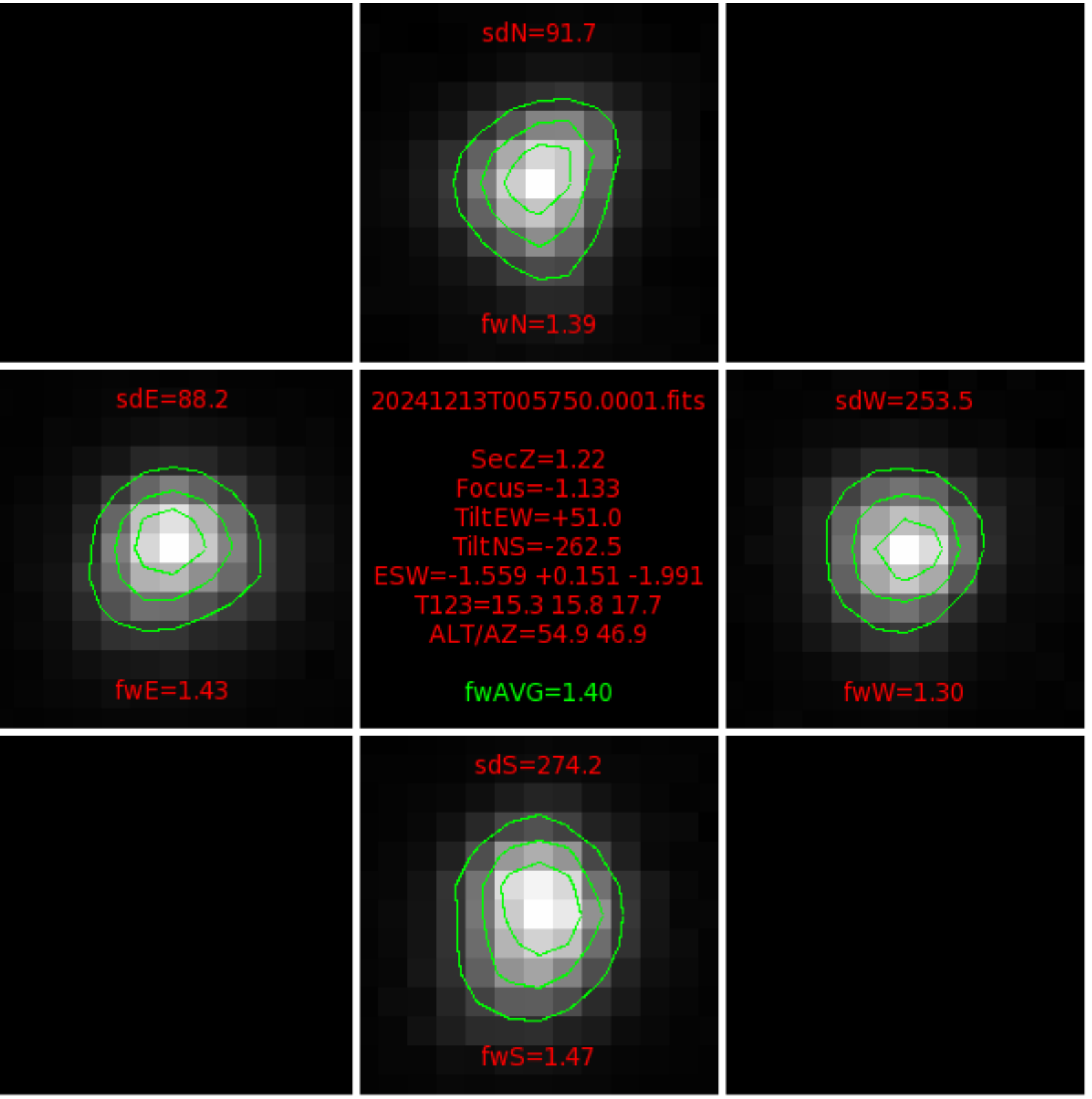
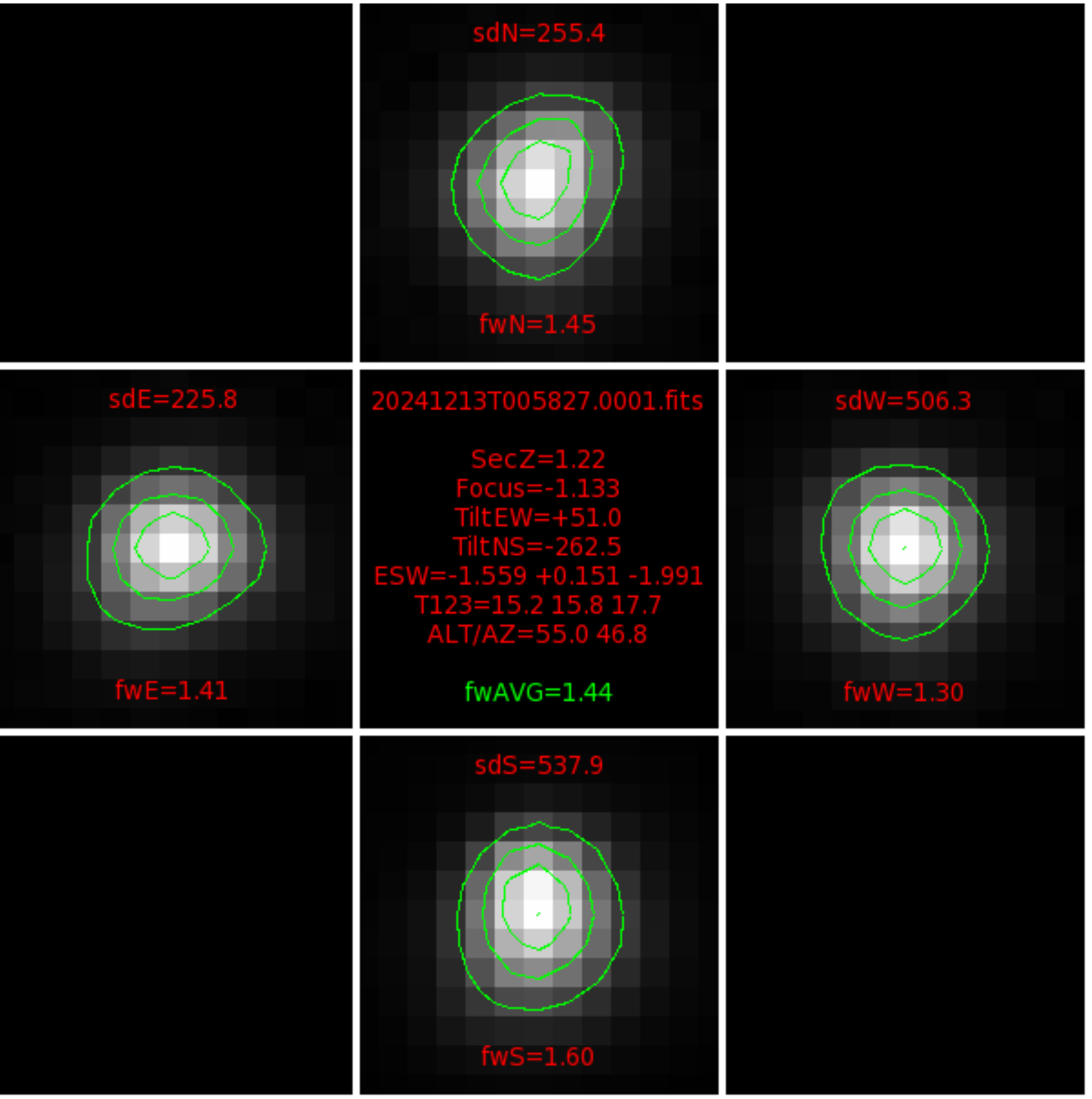

sdN=91.7
fwN=1.39
sdE=88.2
fwE=1.43
20241213T005750.0001.fits
SecZ=1.22
Focus=-1.133
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.559 +0.151 -1.991
T123=15.3 15.8 17.7
ALT/AZ=54.9 46.9
fwAVG=1.40
sdW=253.5
fwW=1.30
sdS=274.2
fwS=1.47
0 0 0 0 0 0 0 0 0


sdN=255.4
fwN=1.45
sdE=225.8
fwE=1.41
20241213T005827.0001.fits
SecZ=1.22
Focus=-1.133
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.559 +0.151 -1.991
T123=15.2 15.8 17.7
ALT/AZ=55.0 46.8
fwAVG=1.44
sdW=506.3
fwW=1.30
sdS=537.9
fwS=1.60
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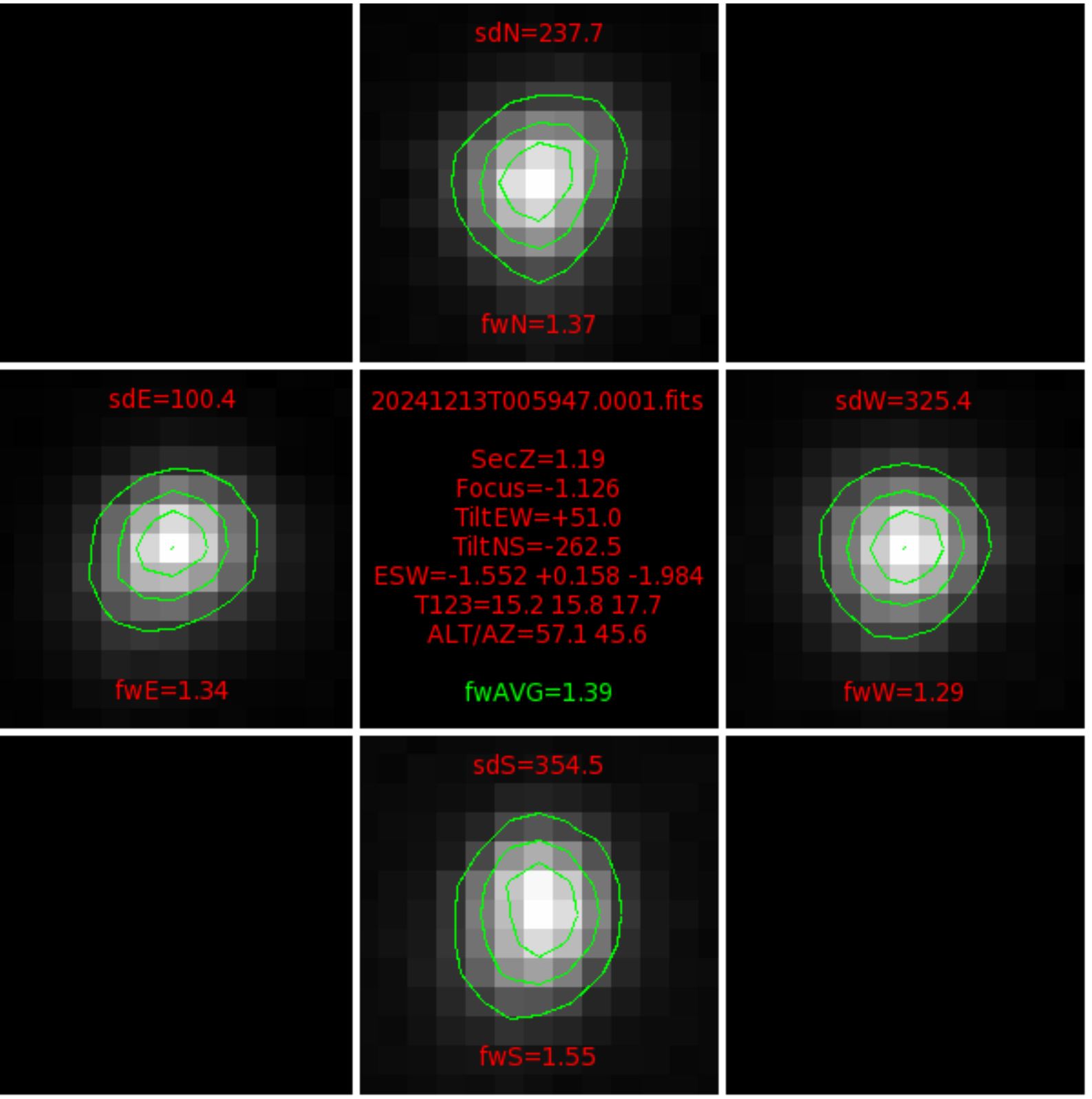
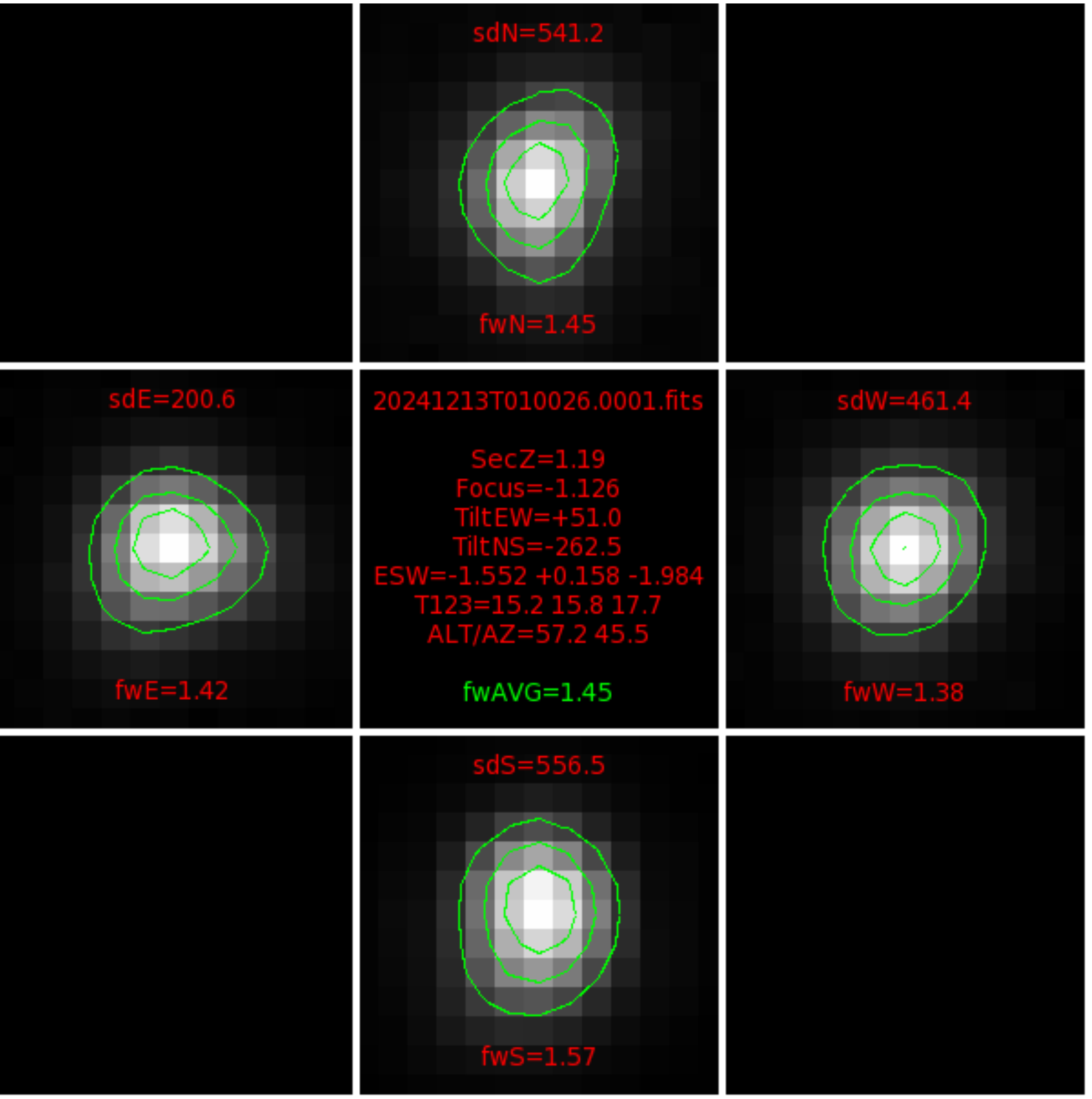

sdN=237.7
fwN=1.37
sdE=100.4
fwE=1.34
20241213T005947.0001.fits
SecZ=1.19
Focus=-1.126
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.552 +0.158 -1.984
T123=15.2 15.8 17.7
ALT/AZ=57.1 45.6
fwAVG=1.39
sdW=325.4
fwW=1.29
sdS=354.5
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=541.2
fwN=1.45
sdE=200.6
fwE=1.42
20241213T010026.0001.fits
SecZ=1.19
Focus=-1.126
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.552 +0.158 -1.984
T123=15.2 15.8 17.7
ALT/AZ=57.2 45.5
fwAVG=1.45
sdW=461.4
fwW=1.38
sdS=556.5
fwS=1.57
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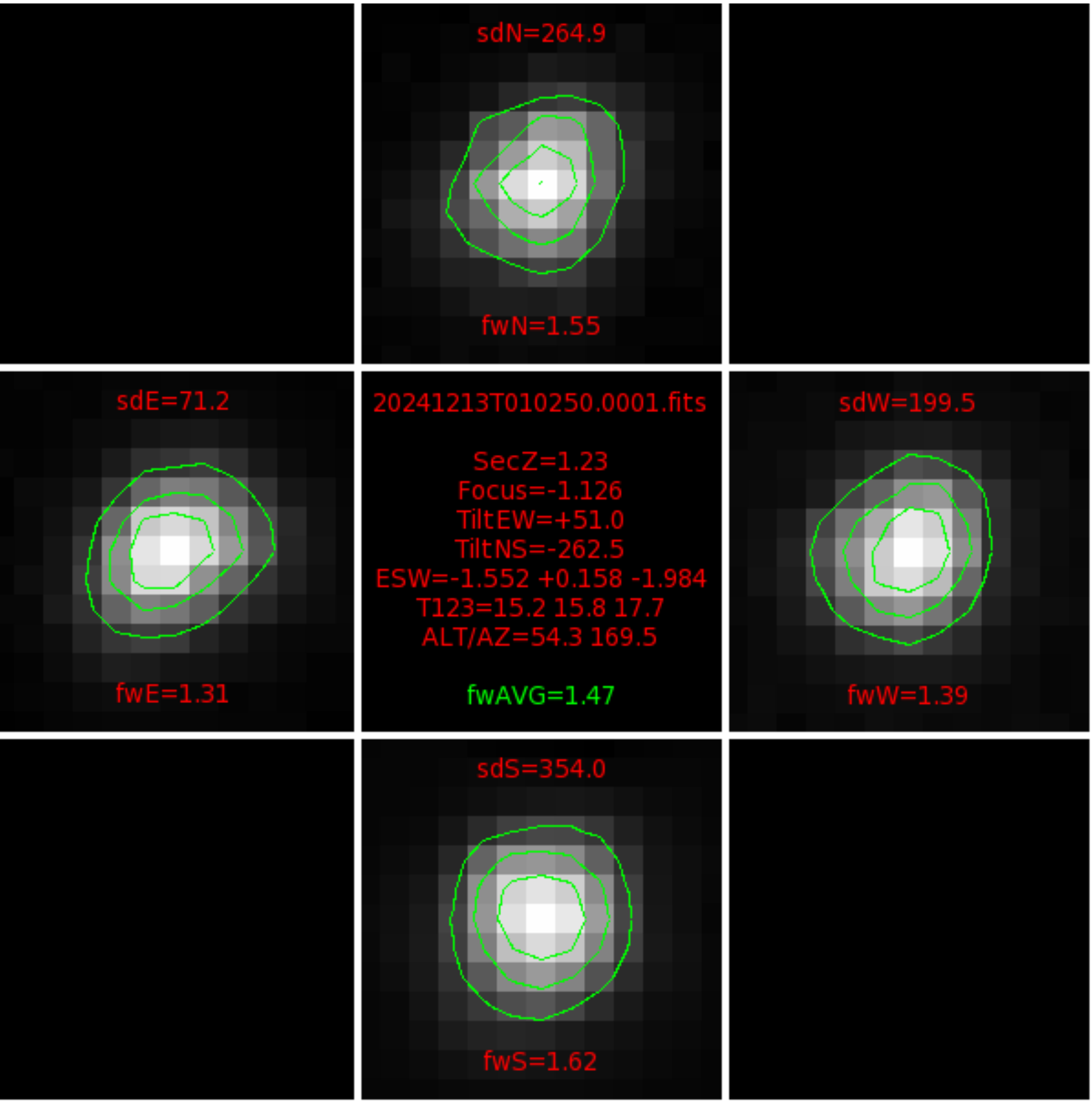
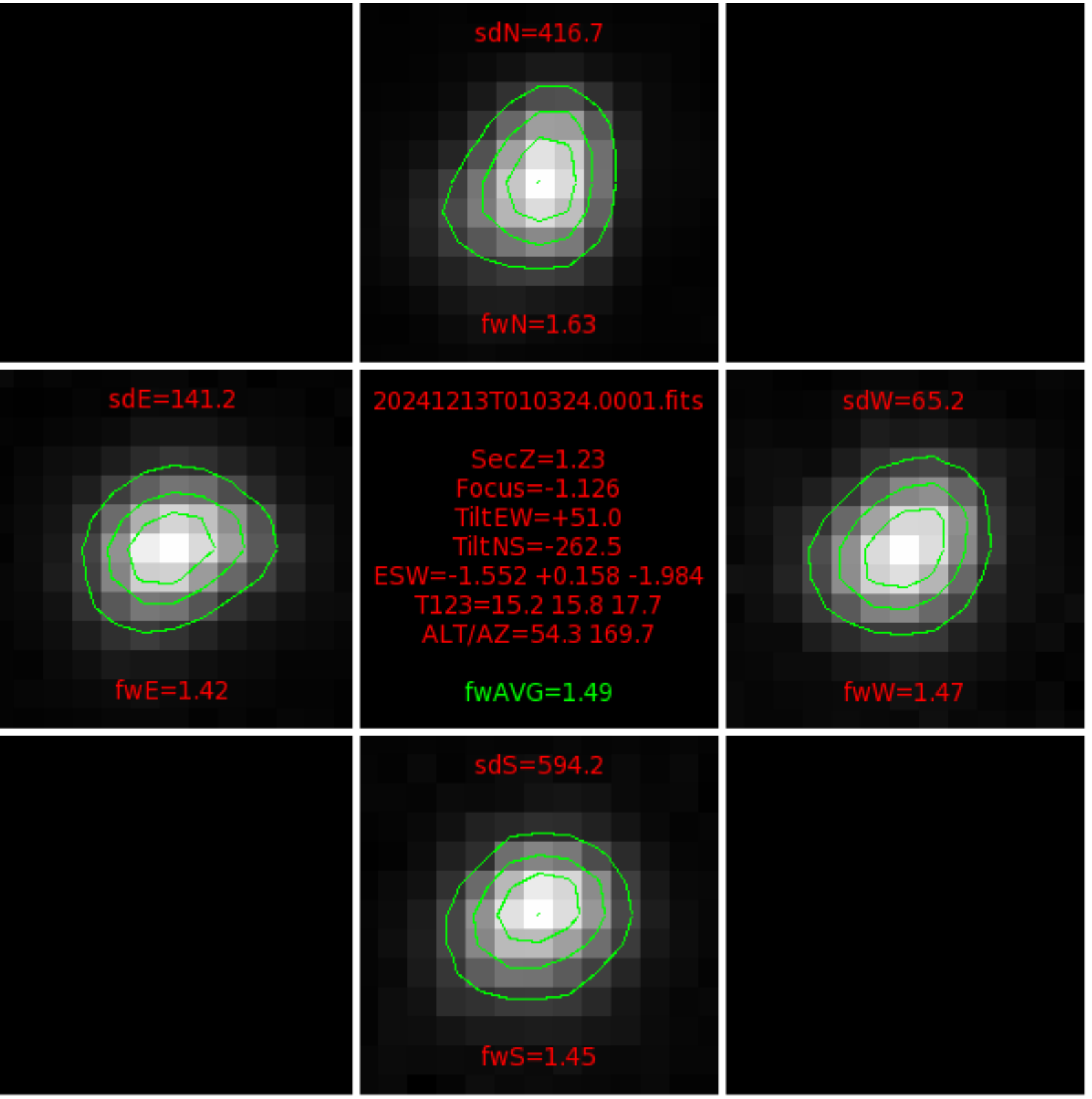
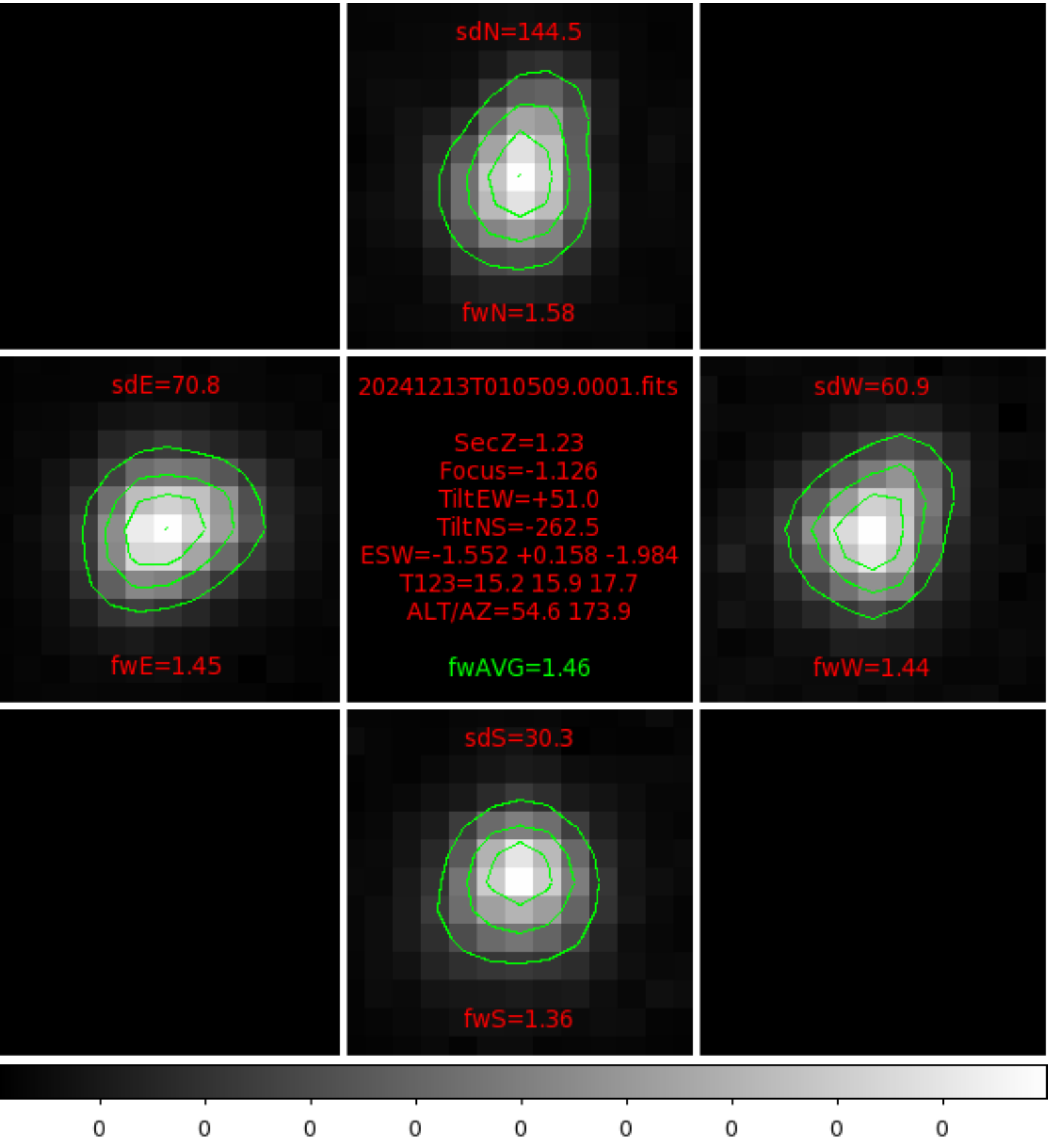
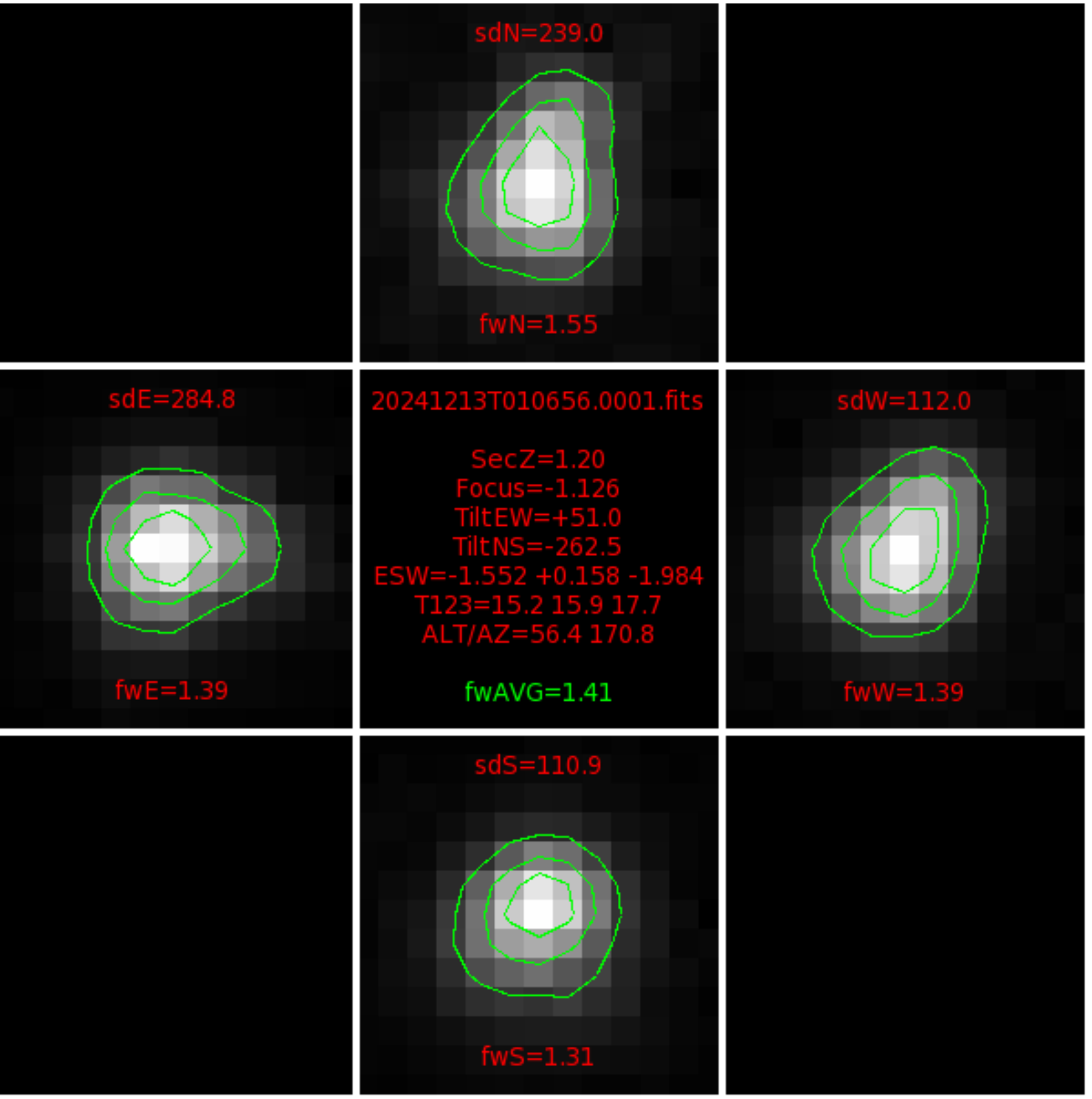

sdN=264.9
fwN=1.55
sdE=71.2
fwE=1.31
20241213T010250.0001.fits
SecZ=1.23
Focus=-1.126
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.552 +0.158 -1.984
T123=15.2 15.8 17.7
ALT/AZ=54.3 169.5
fwAVG=1.47
sdW=199.5
fwW=1.39
sdS=354.0
fwS=1.62
0 0 0 0 0 0 0 0 0


sdN=416.7
fwN=1.63
sdE=141.2
fwE=1.42
20241213T010324.0001.fits
SecZ=1.23
Focus=-1.126
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.552 +0.158 -1.984
T123=15.2 15.8 17.7
ALT/AZ=54.3 169.7
fwAVG=1.49
sdW=65.2
fwW=1.47
sdS=594.2
fwS=1.45
0 0 0 0 0 0 0 0 0


sdN=144.5
fwN=1.58
sdE=70.8
fwE=1.45
20241213T010509.0001.fits
SecZ=1.23
Focus=-1.126
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.552 +0.158 -1.984
T123=15.2 15.9 17.7
ALT/AZ=54.6 173.9
fwAVG=1.46
sdW=60.9
fwW=1.44
sdS=30.3
fwS=1.36
0 0 0 0 0 0 0 0 0


sdN=239.0
fwN=1.55
sdE=284.8
fwE=1.39
20241213T010656.0001.fits
SecZ=1.20
Focus=-1.126
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.552 +0.158 -1.984
T123=15.2 15.9 17.7
ALT/AZ=56.4 170.8
fwAVG=1.41
sdW=112.0
fwW=1.39
sdS=110.9
fwS=1.31
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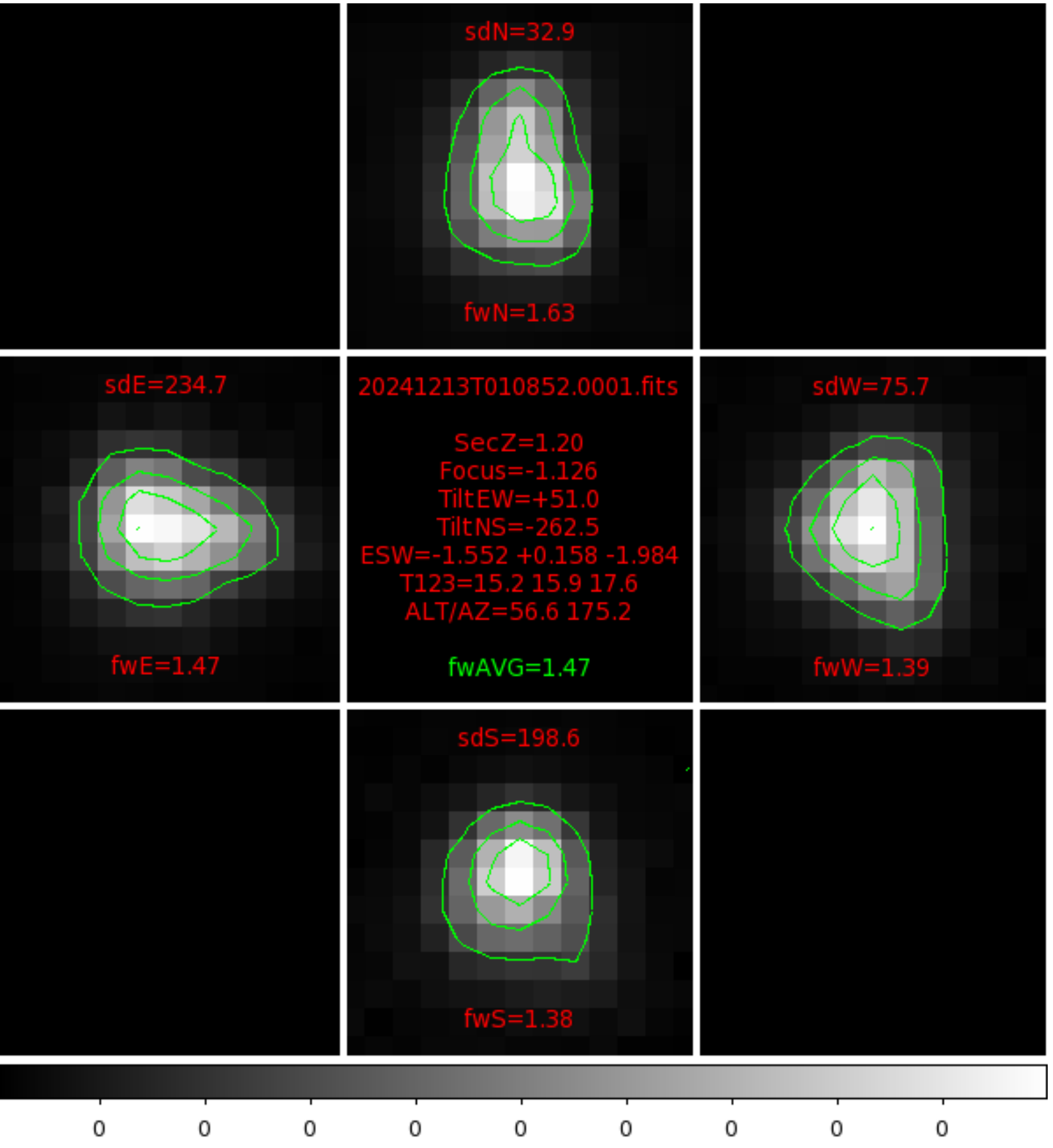
sdN=32.9
fwN=1.63
sdE=234.7
fwE=1.47
20241213T010852.0001.fits
SecZ=1.20
Focus=-1.126
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.552 +0.158 -1.984
T123=15.2 15.9 17.6
ALT/AZ=56.6 175.2
fwAVG=1.47
sdW=75.7
fwW=1.39
sdS=198.6
fwS=1.38
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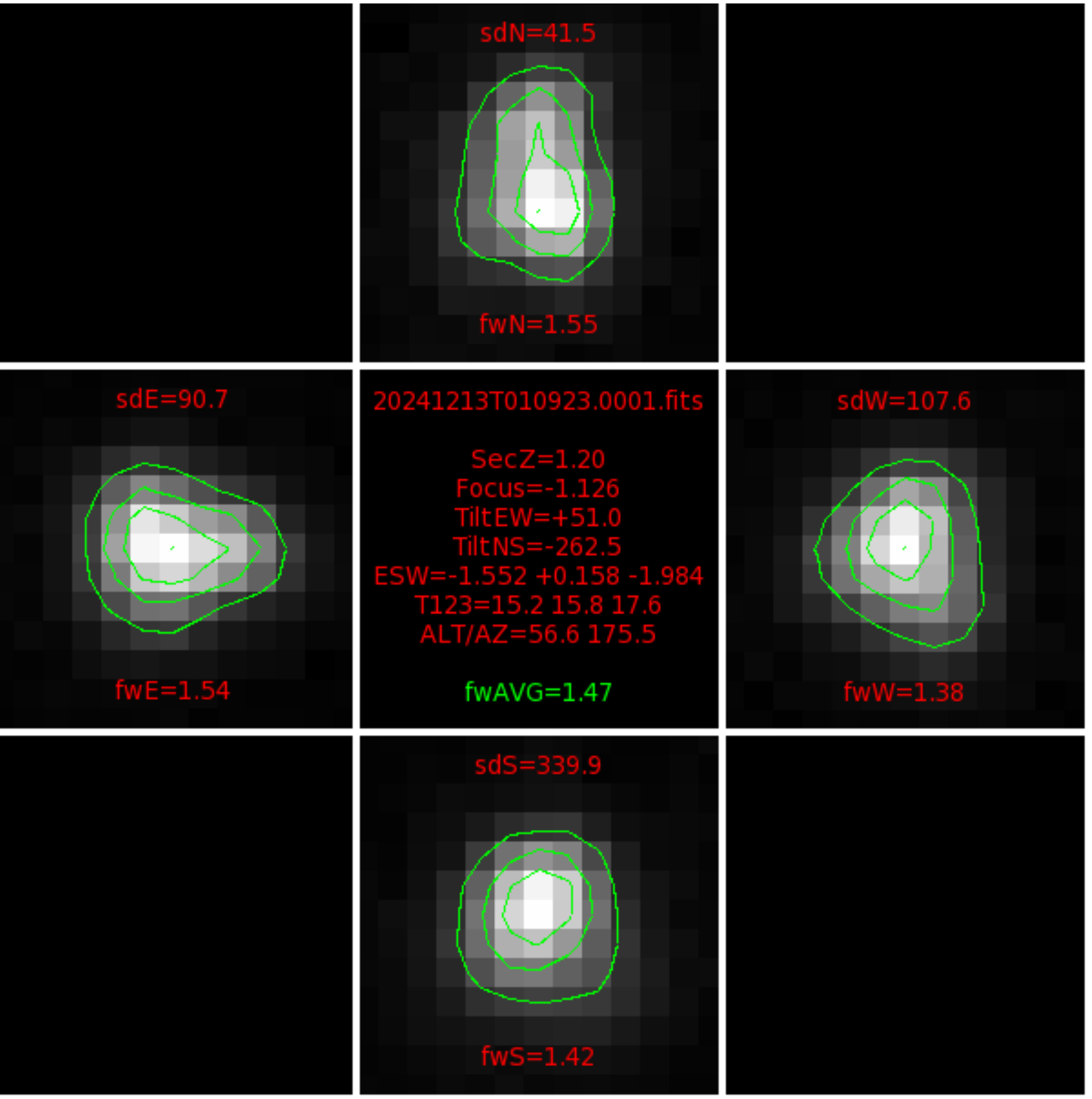
sdN=41.5
fwN=1.55
sdE=90.7
fwE=1.54
20241213T010923.0001.fits
SecZ=1.20
Focus=-1.126
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.552 +0.158 -1.984
T123=15.2 15.8 17.6
ALT/AZ=56.6 175.5
fwAVG=1.47
sdW=107.6
fwW=1.38
sdS=339.9
fwS=1.42
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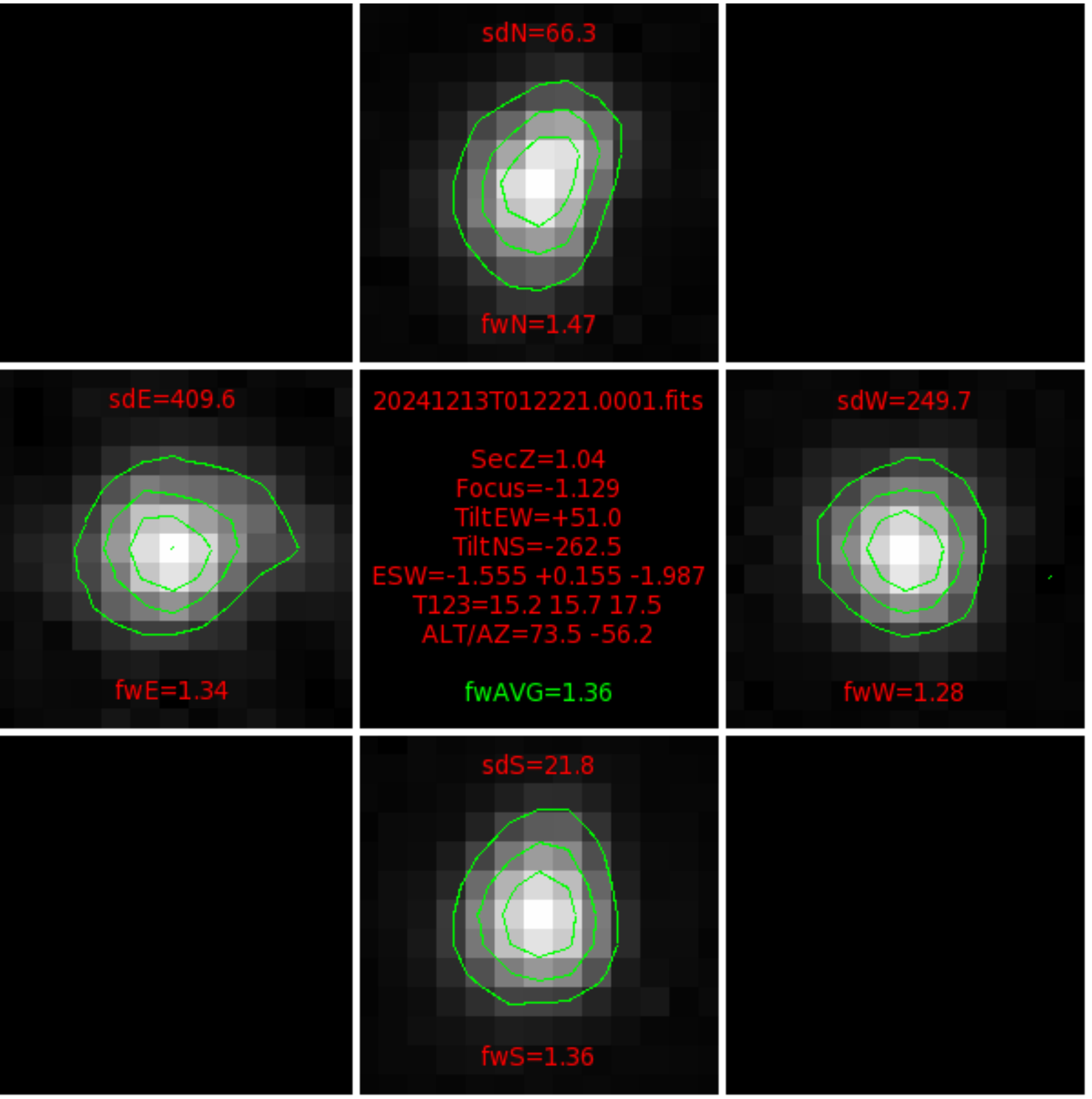
sdN=66.3
fwN=1.47
sdE=409.6
fwE=1.34
20241213T012221.0001.fits
SecZ=1.04
Focus=-1.129
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.555 +0.155 -1.987
T123=15.2 15.7 17.5
ALT/AZ=73.5 -56.2
fwAVG=1.36
sdW=249.7
fwW=1.28
sdS=21.8
fwS=1.36
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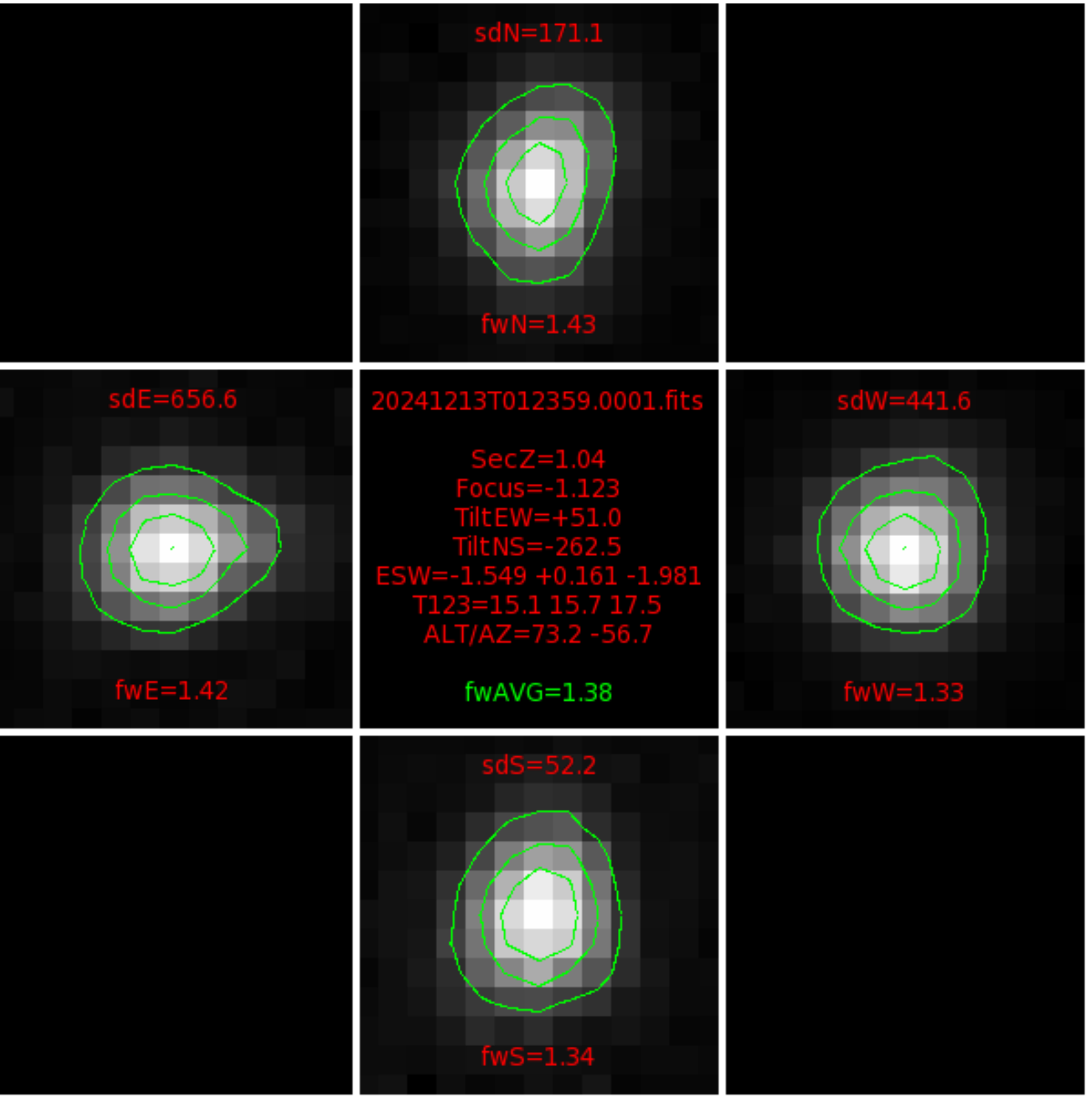
sdN=171.1
fwN=1.43
sdE=656.6
fwE=1.42
20241213T012359.0001.fits
SecZ=1.04
Focus=-1.123
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.549 +0.161 -1.981
T123=15.1 15.7 17.5
ALT/AZ=73.2 -56.7
fwAVG=1.38
sdW=441.6
fwW=1.33
sdS=52.2
fwS=1.34
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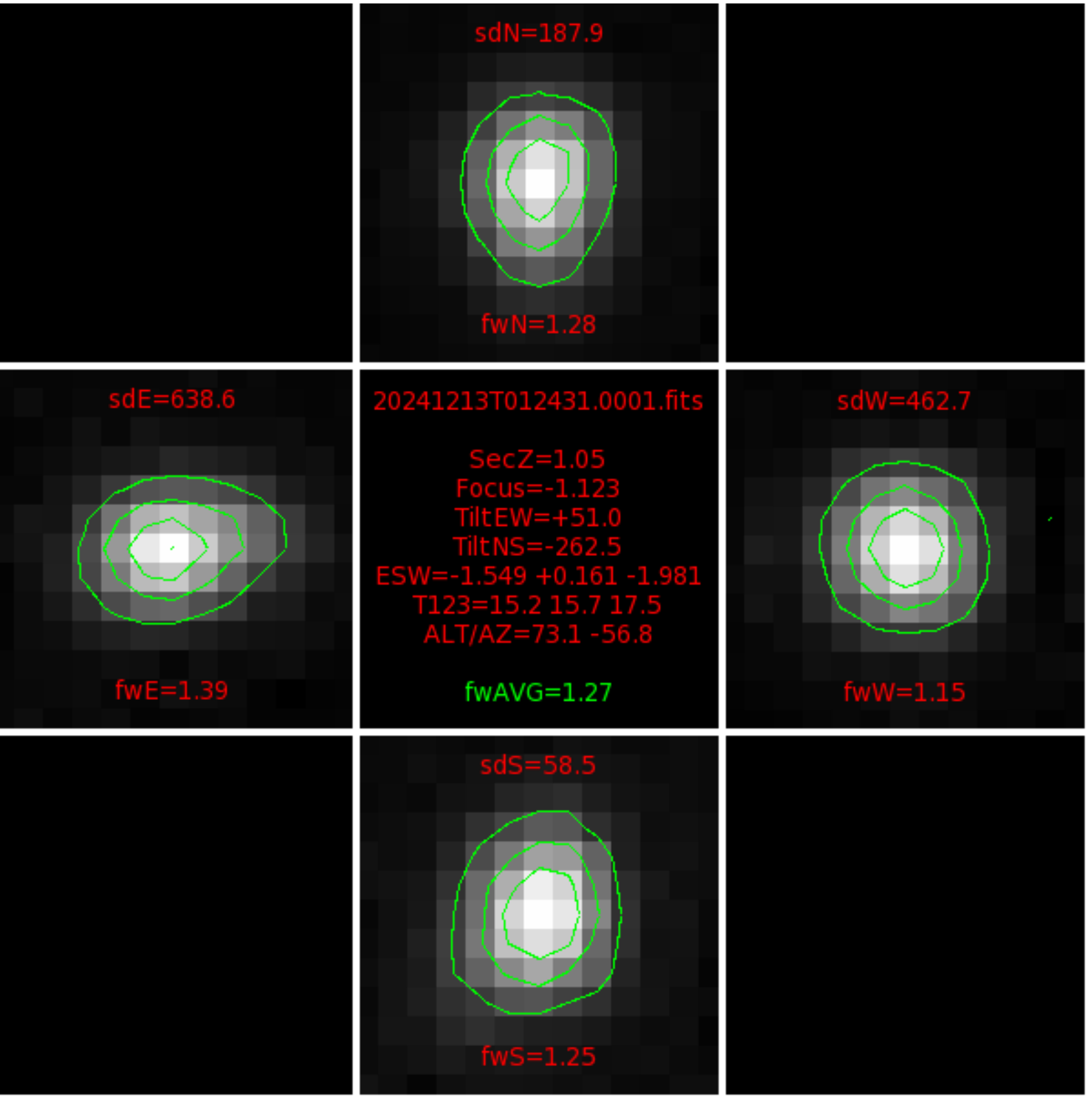
sdN=187.9
fwN=1.28
sdE=638.6
fwE=1.39
20241213T012431.0001.fits
SecZ=1.05
Focus=-1.123
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.549 +0.161 -1.981
T123=15.2 15.7 17.5
ALT/AZ=73.1 -56.8
fwAVG=1.27
sdW=462.7
fwW=1.15
sdS=58.5
fwS=1.25
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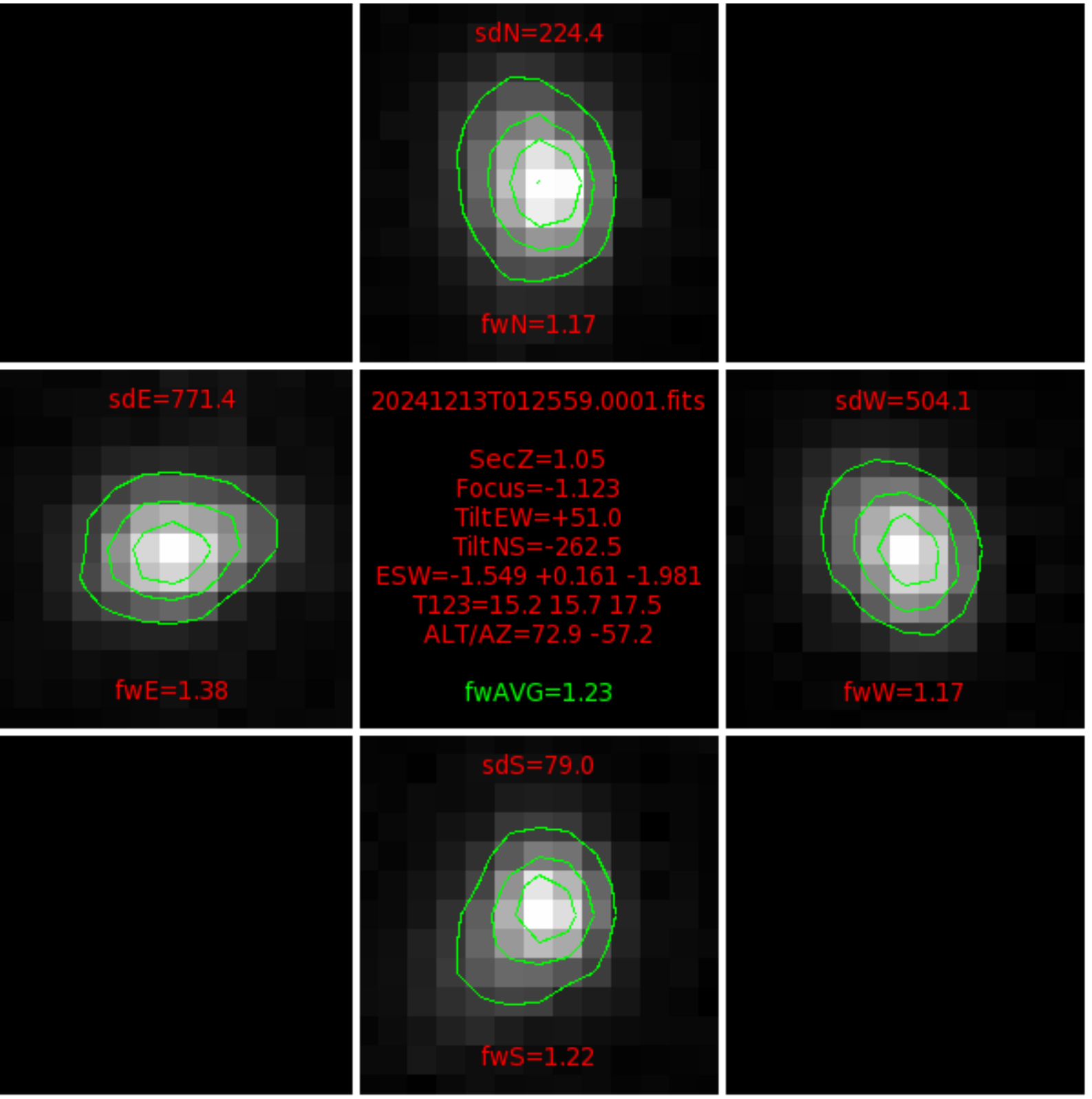
sdN=224.4
fwN=1.17
sdE=771.4
fwE=1.38
20241213T012559.0001.fits
SecZ=1.05
Focus=-1.123
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.549 +0.161 -1.981
T123=15.2 15.7 17.5
ALT/AZ=72.9 -57.2
fwAVG=1.23
sdW=504.1
fwW=1.17
sdS=79.0
fwS=1.22
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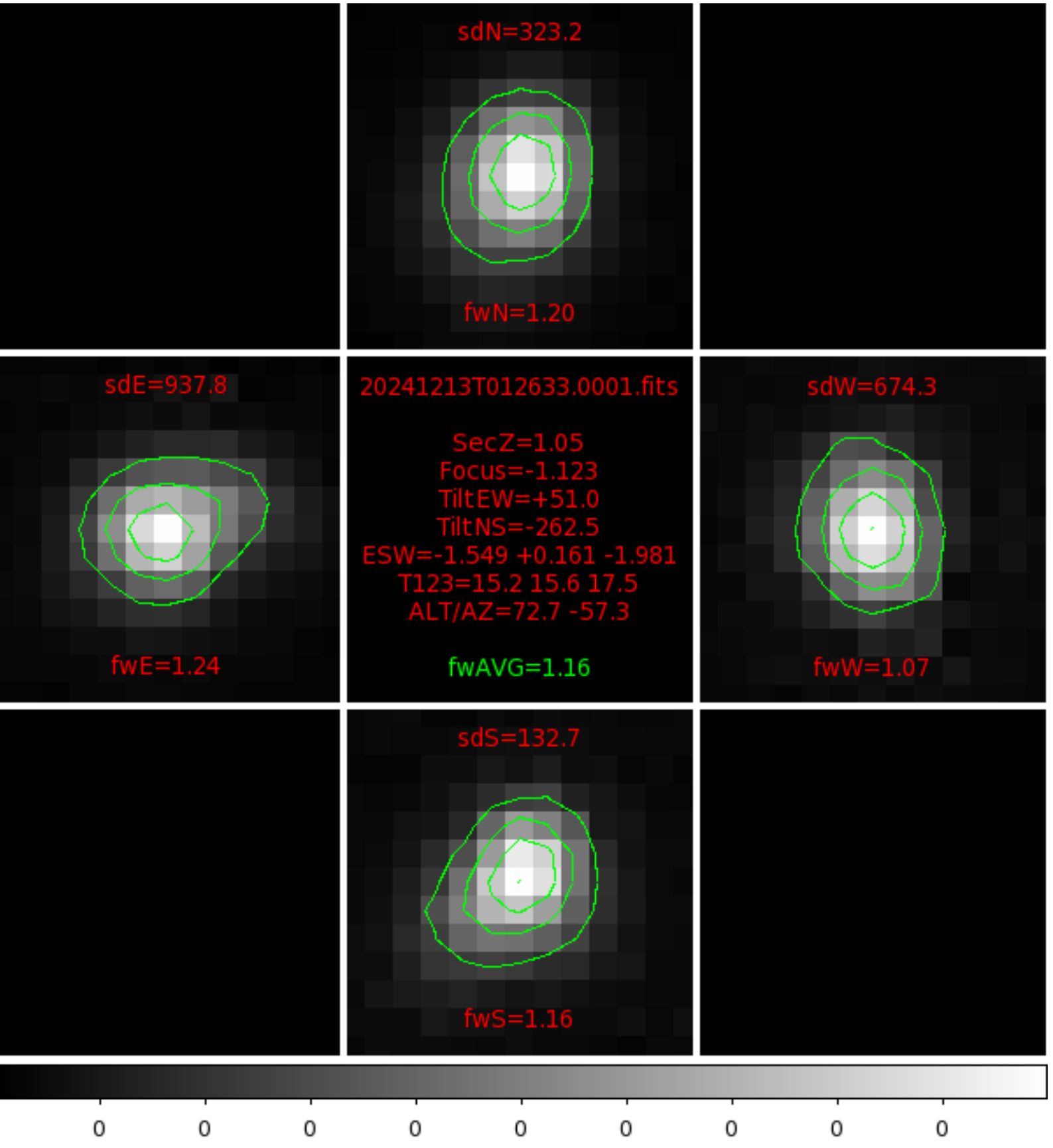
sdN=323.2
fwN=1.20
sdE=937.8
fwE=1.24
20241213T012633.0001.fits
SecZ=1.05
Focus=-1.123
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.549 +0.161 -1.981
T123=15.2 15.6 17.5
ALT/AZ=72.7 -57.3
fwAVG=1.16
sdW=674.3
fwW=1.07
sdS=132.7
fwS=1.16
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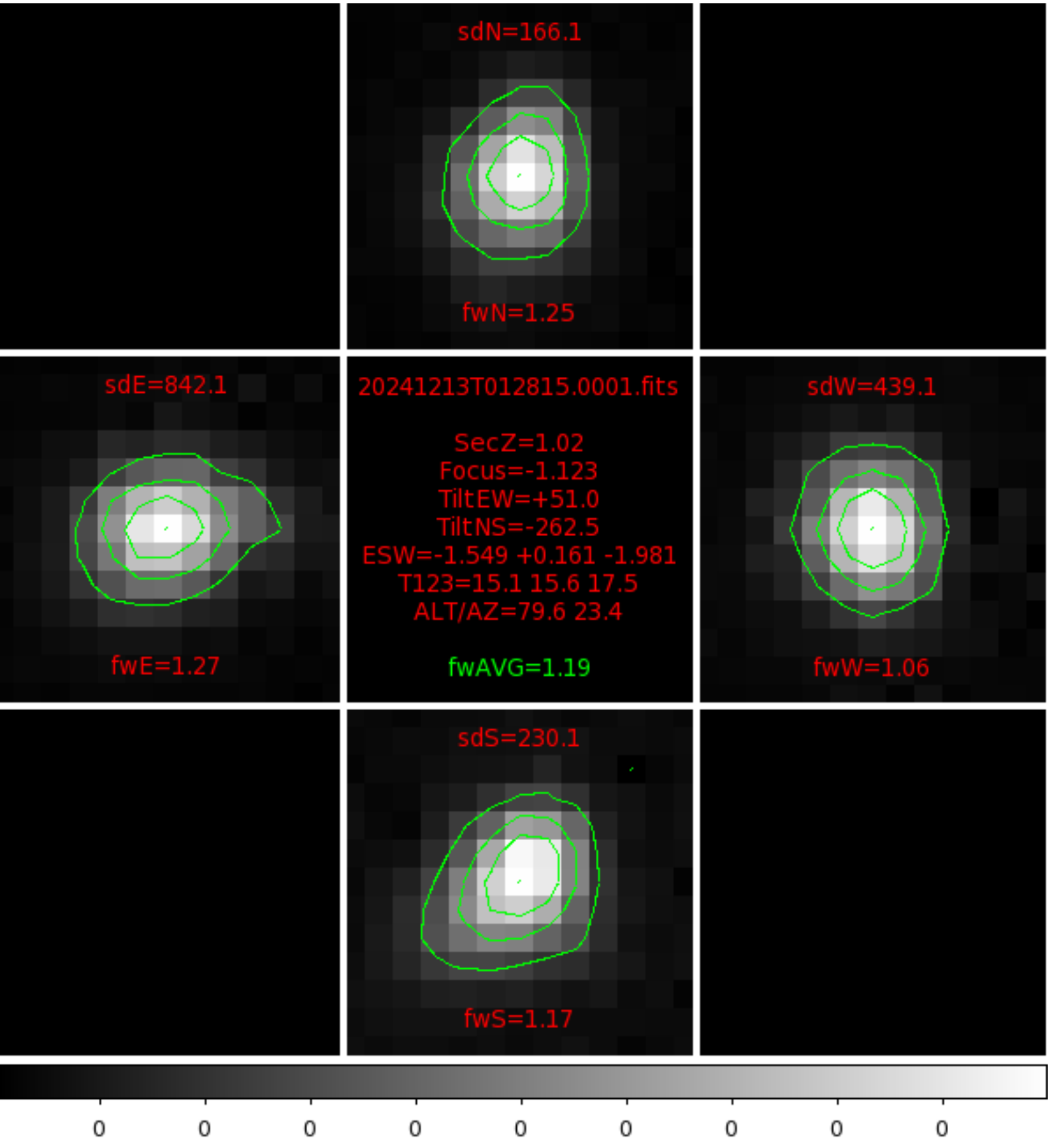
sdN=166.1
fwN=1.25
sdE=842.1
fwE=1.27
20241213T012815.0001.fits
SecZ=1.02
Focus=-1.123
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.549 +0.161 -1.981
T123=15.1 15.6 17.5
ALT/AZ=79.6 23.4
fwAVG=1.19
sdW=439.1
fwW=1.06
sdS=230.1
fwS=1.17
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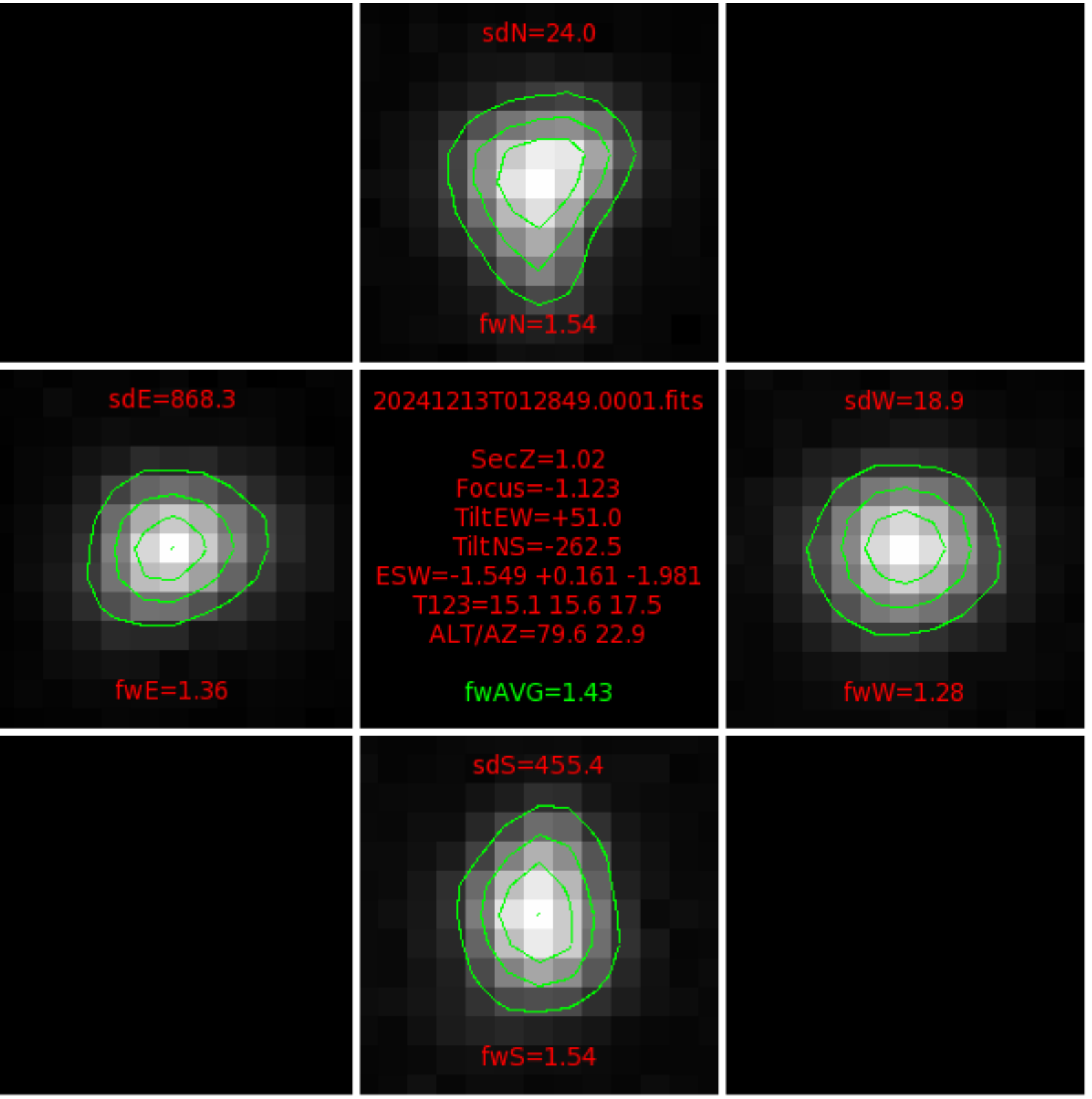
sdN=24.0
fwN=1.54
sdE=868.3
fwE=1.36
20241213T012849.0001.fits
SecZ=1.02
Focus=-1.123
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.549 +0.161 -1.981
T123=15.1 15.6 17.5
ALT/AZ=79.6 22.9
fwAVG=1.43
sdW=18.9
fwW=1.28
sdS=455.4
fwS=1.54
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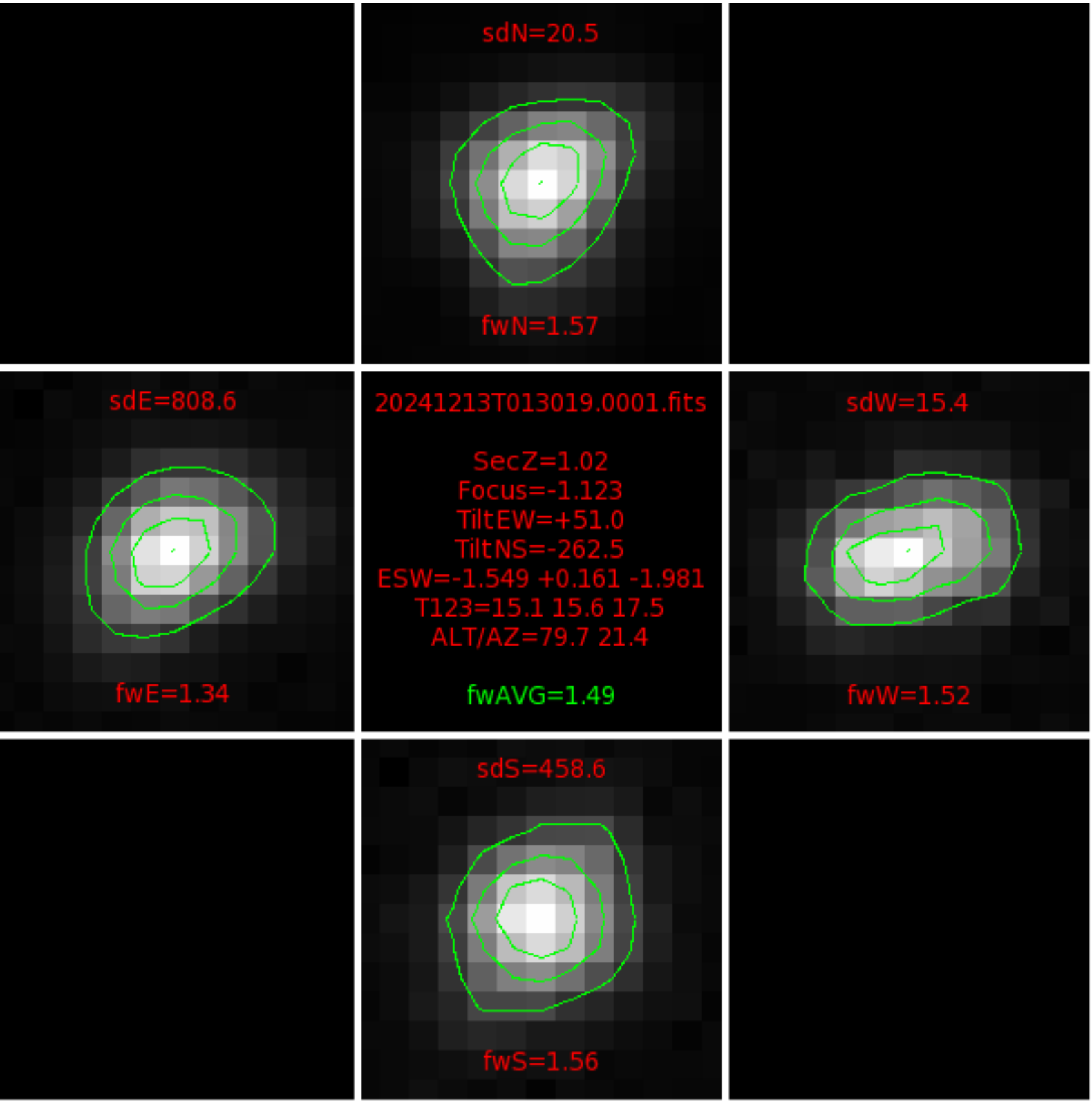
sdN=20.5
fwN=1.57
sdE=808.6
fwE=1.34
20241213T013019.0001.fits
SecZ=1.02
Focus=-1.123
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.549 +0.161 -1.981
T123=15.1 15.6 17.5
ALT/AZ=79.7 21.4
fwAVG=1.49
sdW=15.4
fwW=1.52
sdS=458.6
fwS=1.56
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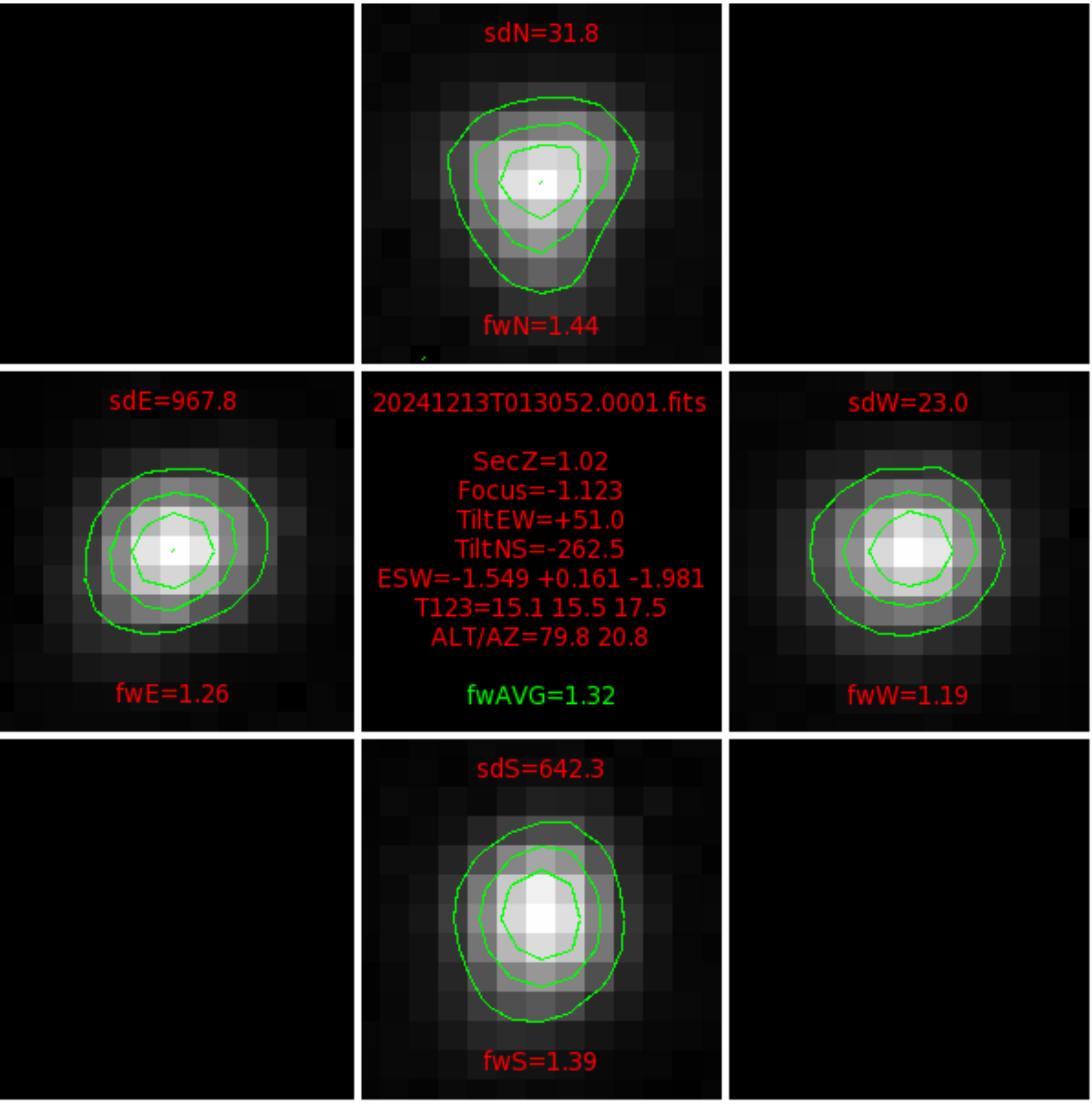
sdN=31.8
fwN=1.44
sdE=967.8
fwE=1.26
20241213T013052.0001.fits
SecZ=1.02
Focus=-1.123
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.549 +0.161 -1.981
T123=15.1 15.5 17.5
ALT/AZ=79.8 20.8
fwAVG=1.32
sdW=23.0
fwW=1.19
sdS=642.3
fwS=1.39
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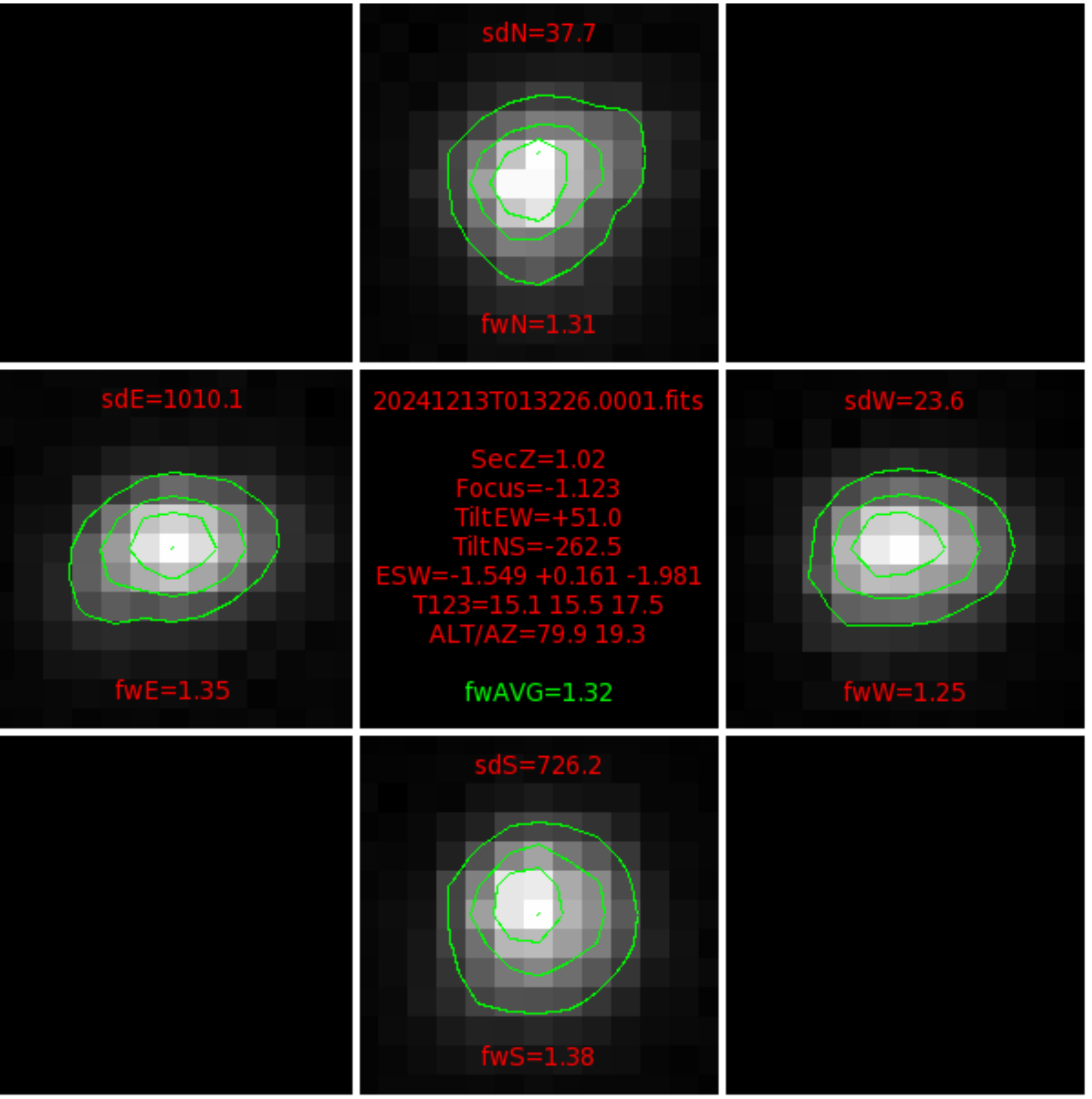
sdN=37.7
fwN=1.31
sdE=1010.1
fwE=1.35
20241213T013226.0001.fits
SecZ=1.02
Focus=-1.123
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.549 +0.161 -1.981
T123=15.1 15.5 17.5
ALT/AZ=79.9 19.3
fwAVG=1.32
sdW=23.6
fwW=1.25
sdS=726.2
fwS=1.38
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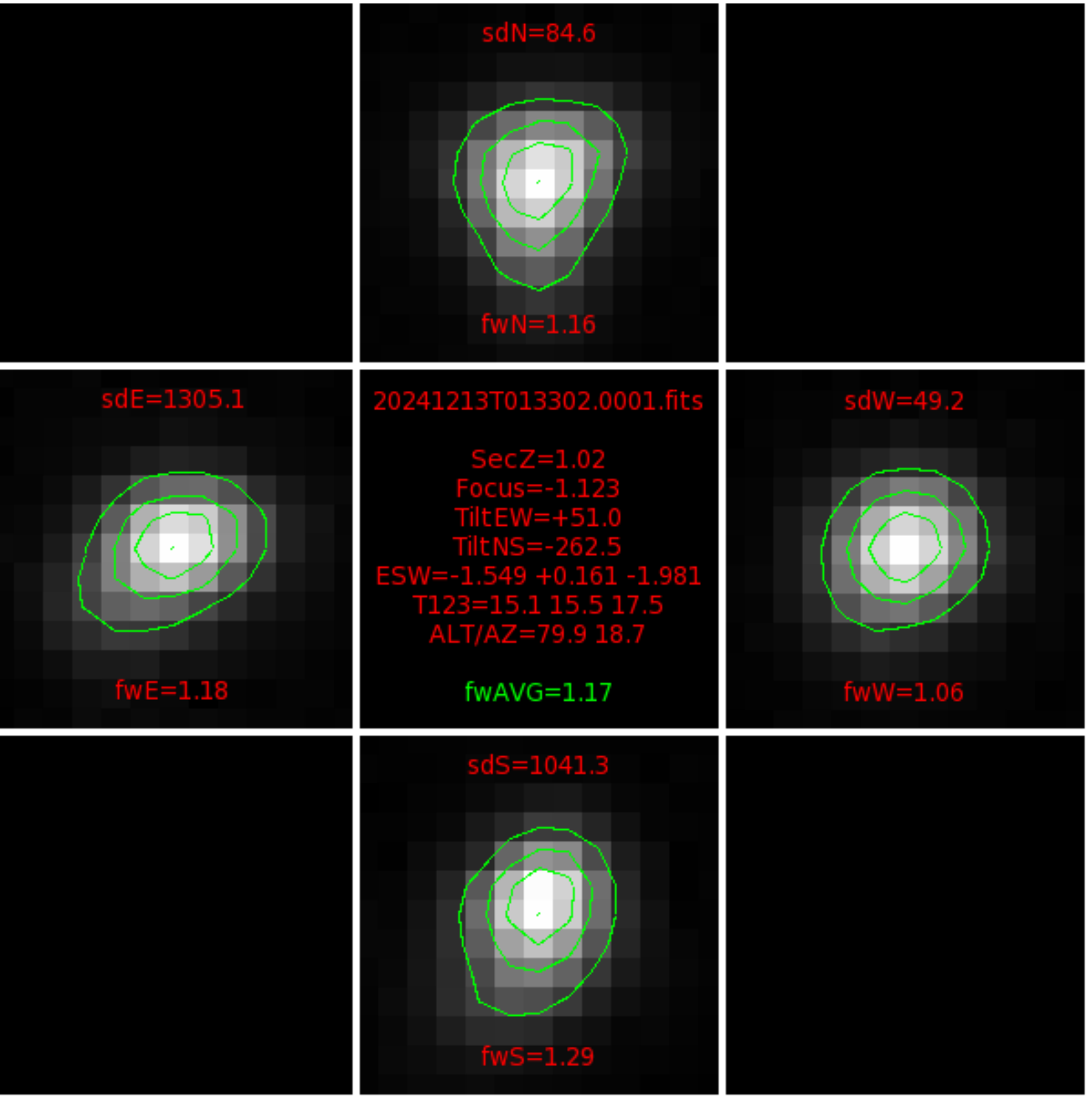
sdN=84.6
fwN=1.16
sdE=1305.1
fwE=1.18
20241213T013302.0001.fits
SecZ=1.02
Focus=-1.123
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.549 +0.161 -1.981
T123=15.1 15.5 17.5
ALT/AZ=79.9 18.7
fwAVG=1.17
sdW=49.2
fwW=1.06
sdS=1041.3
fwS=1.29
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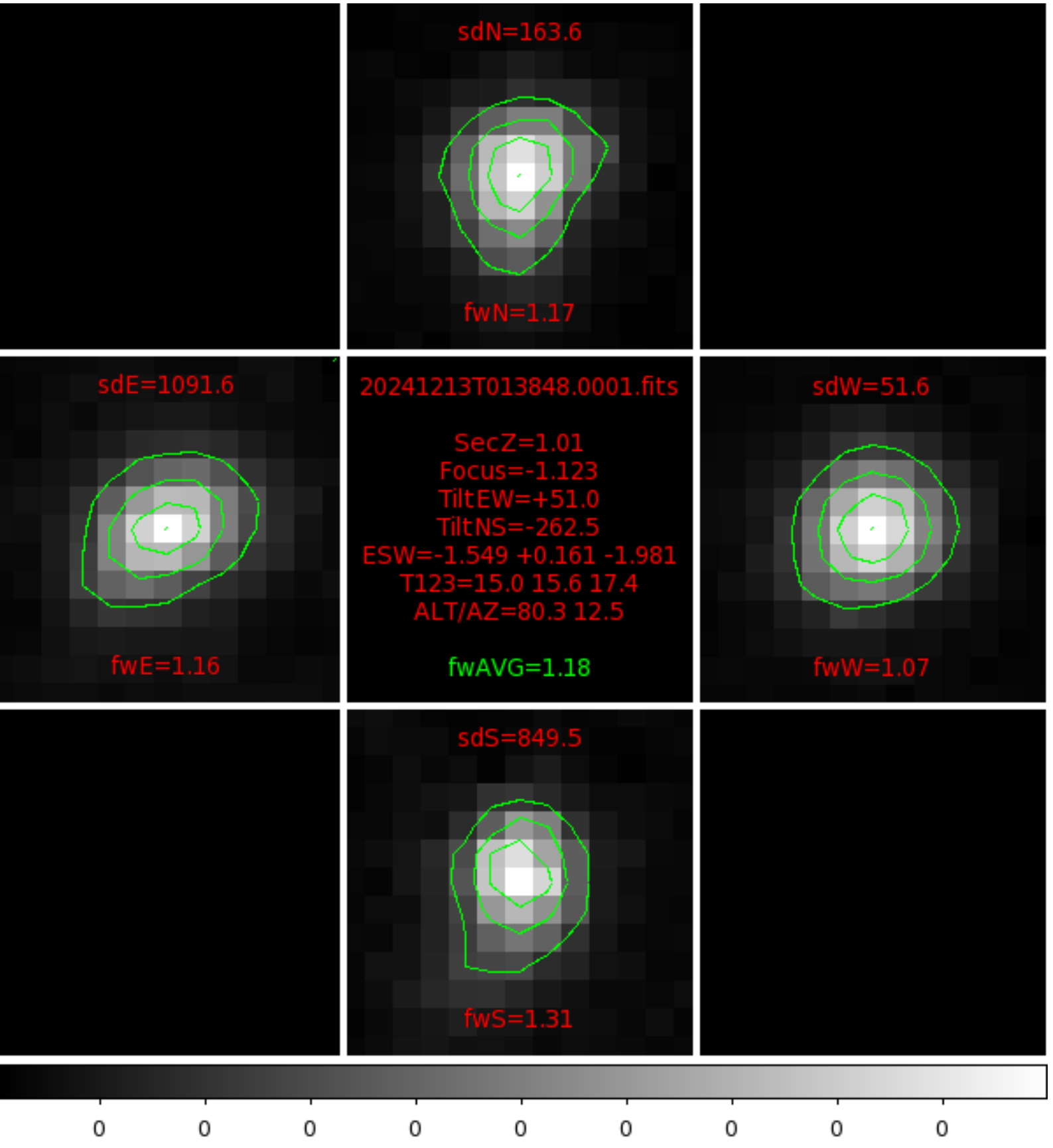
sdN=163.6
fwN=1.17
sdE=1091.6
fwE=1.16
20241213T013848.0001.fits
SecZ=1.01
Focus=-1.123
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.549 +0.161 -1.981
T123=15.0 15.6 17.4
ALT/AZ=80.3 12.5
fwAVG=1.18
sdW=51.6
fwW=1.07
sdS=849.5
fwS=1.31
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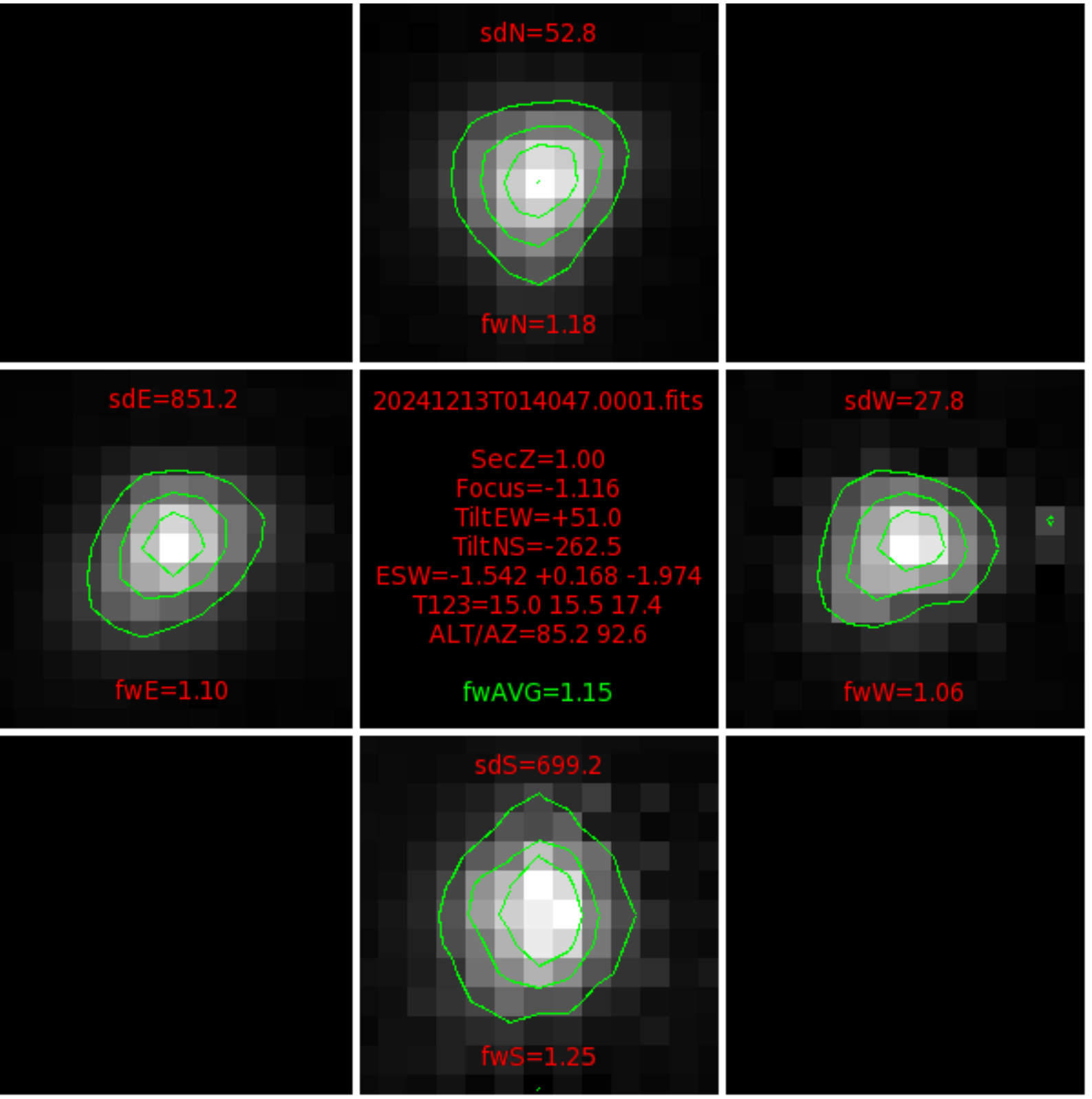
sdN=52.8
fwN=1.18
sdE=851.2
fwE=1.10
20241213T014047.0001.fits
SecZ=1.00
Focus=-1.116
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.542 +0.168 -1.974
T123=15.0 15.5 17.4
ALT/AZ=85.2 92.6
fwAVG=1.15
sdW=27.8
fwW=1.06
sdS=699.2
fwS=1.25
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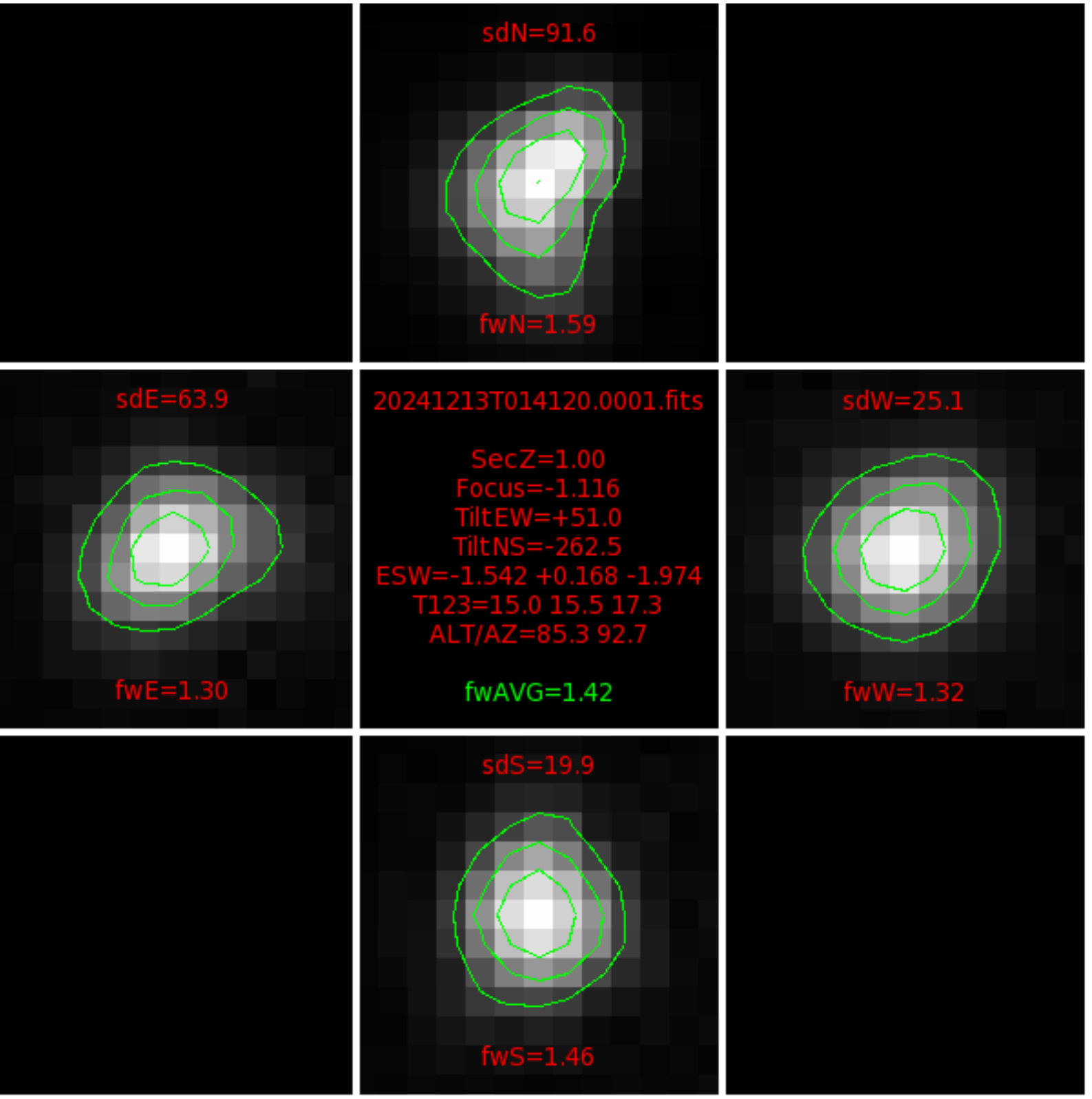
sdN=91.6
fwN=1.59
sdE=63.9
fwE=1.30
20241213T014120.0001.fits
SecZ=1.00
Focus=-1.116
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.542 +0.168 -1.974
T123=15.0 15.5 17.3
ALT/AZ=85.3 92.7
fwAVG=1.42
sdW=25.1
fwW=1.32
sdS=19.9
fwS=1.46
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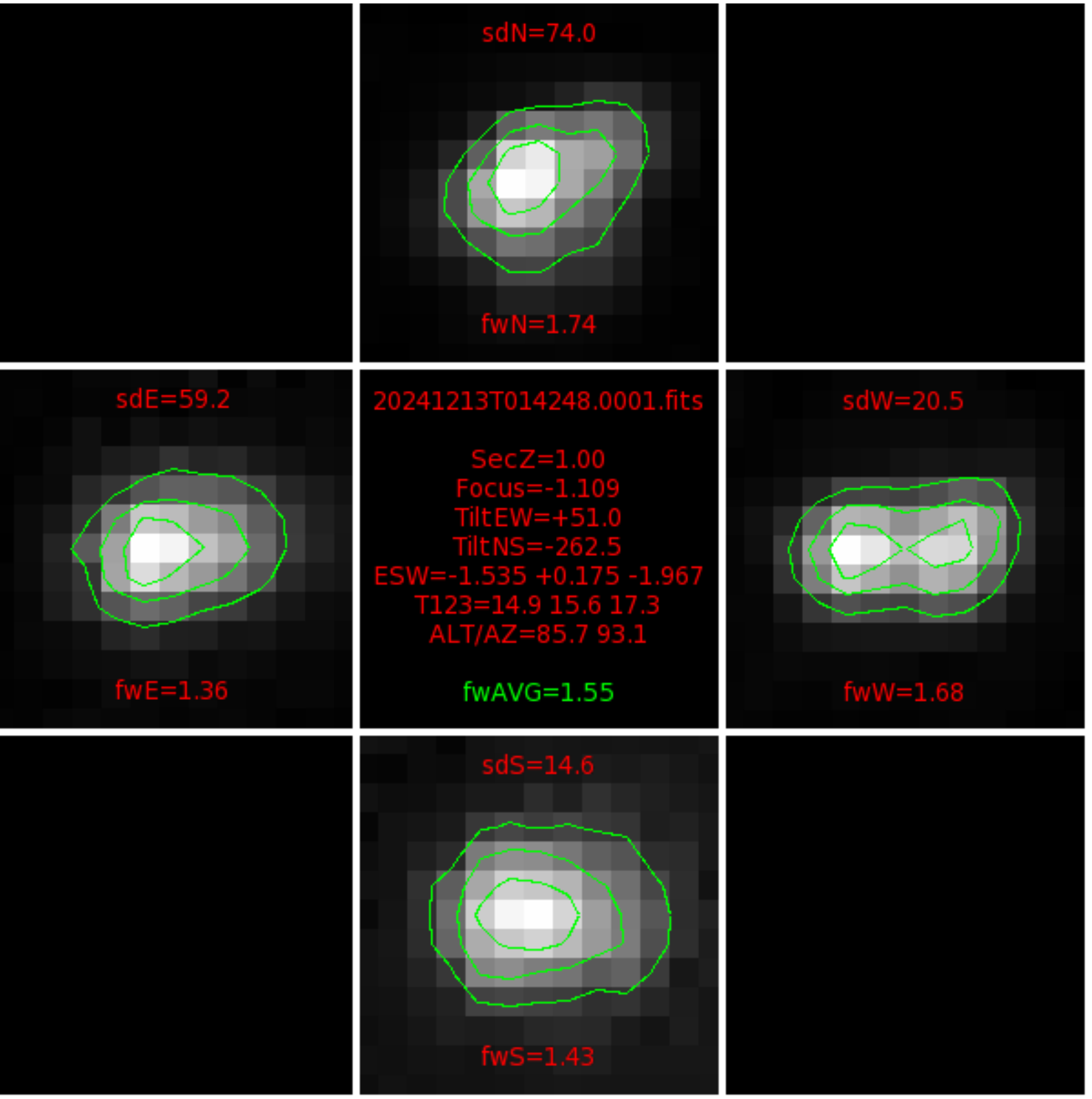
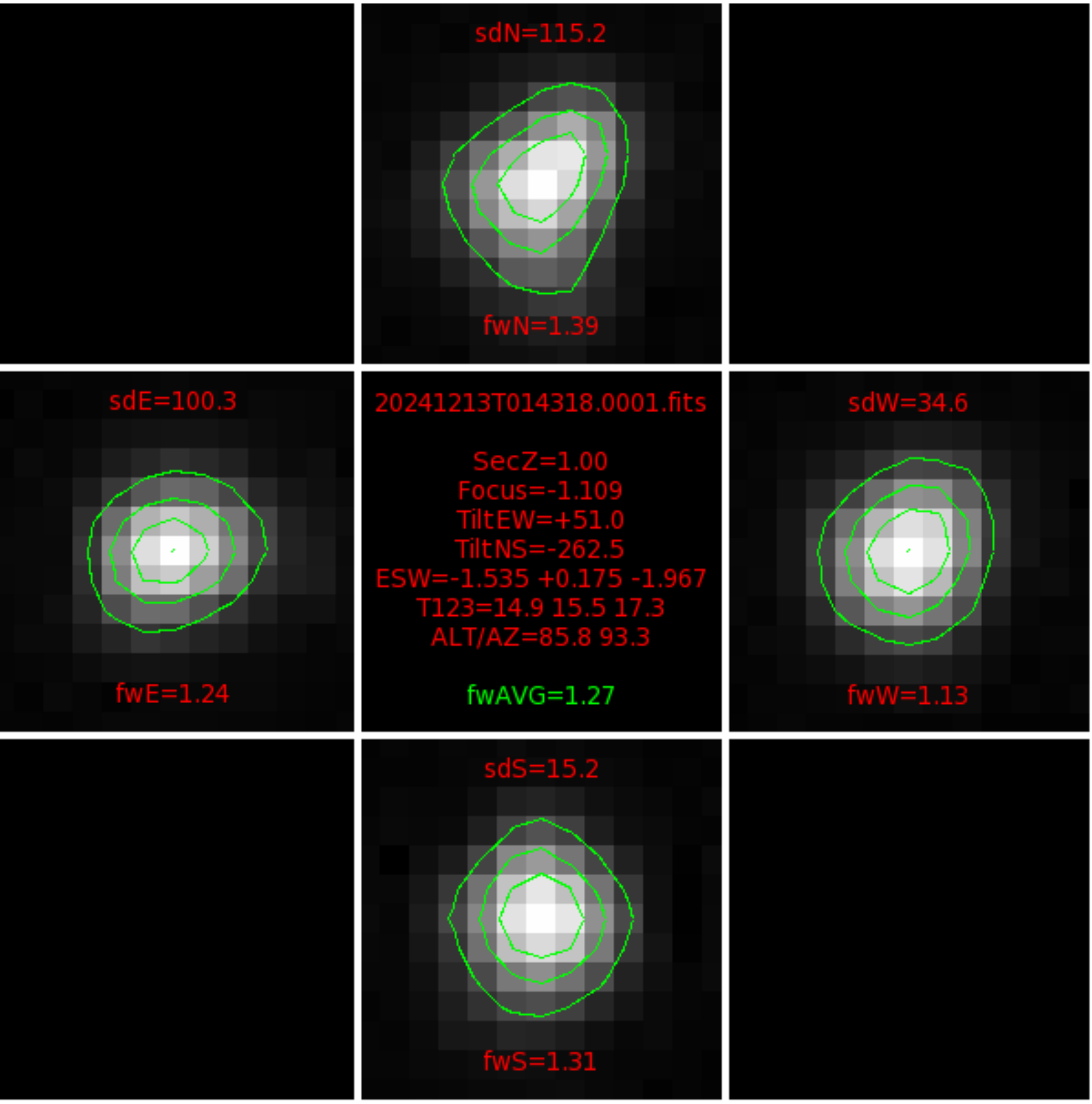
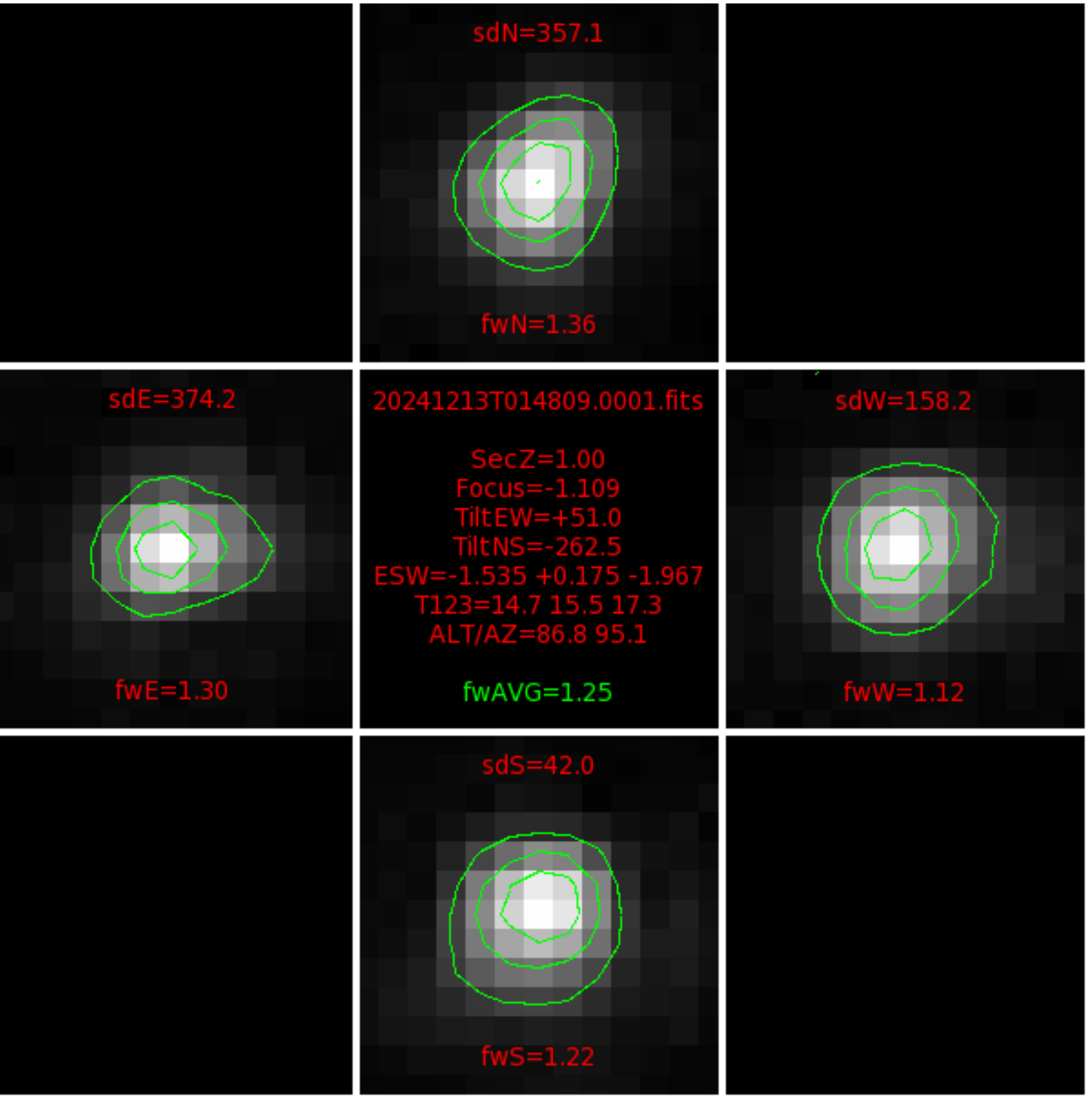

sdN=74.0
fwN=1.74
sdE=59.2
fwE=1.36
20241213T014248.0001.fits
SecZ=1.00
Focus=-1.109
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.535 +0.175 -1.967
T123=14.9 15.6 17.3
ALT/AZ=85.7 93.1
fwAVG=1.55
sdW=20.5
fwW=1.68
sdS=14.6
fwS=1.43
0 0 0 0 0 0 0 0 0


sdN=115.2
fwN=1.39
sdE=100.3
fwE=1.24
20241213T014318.0001.fits
SecZ=1.00
Focus=-1.109
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.535 +0.175 -1.967
T123=14.9 15.5 17.3
ALT/AZ=85.8 93.3
fwAVG=1.27
sdW=34.6
fwW=1.13
sdS=15.2
fwS=1.31
0 0 0 0 0 0 0 0 0


sdN=357.1
fwN=1.36
sdE=374.2
fwE=1.30
20241213T014809.0001.fits
SecZ=1.00
Focus=-1.109
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.535 +0.175 -1.967
T123=14.7 15.5 17.3
ALT/AZ=86.8 95.1
fwAVG=1.25
sdW=158.2
fwW=1.12
sdS=42.0
fwS=1.22
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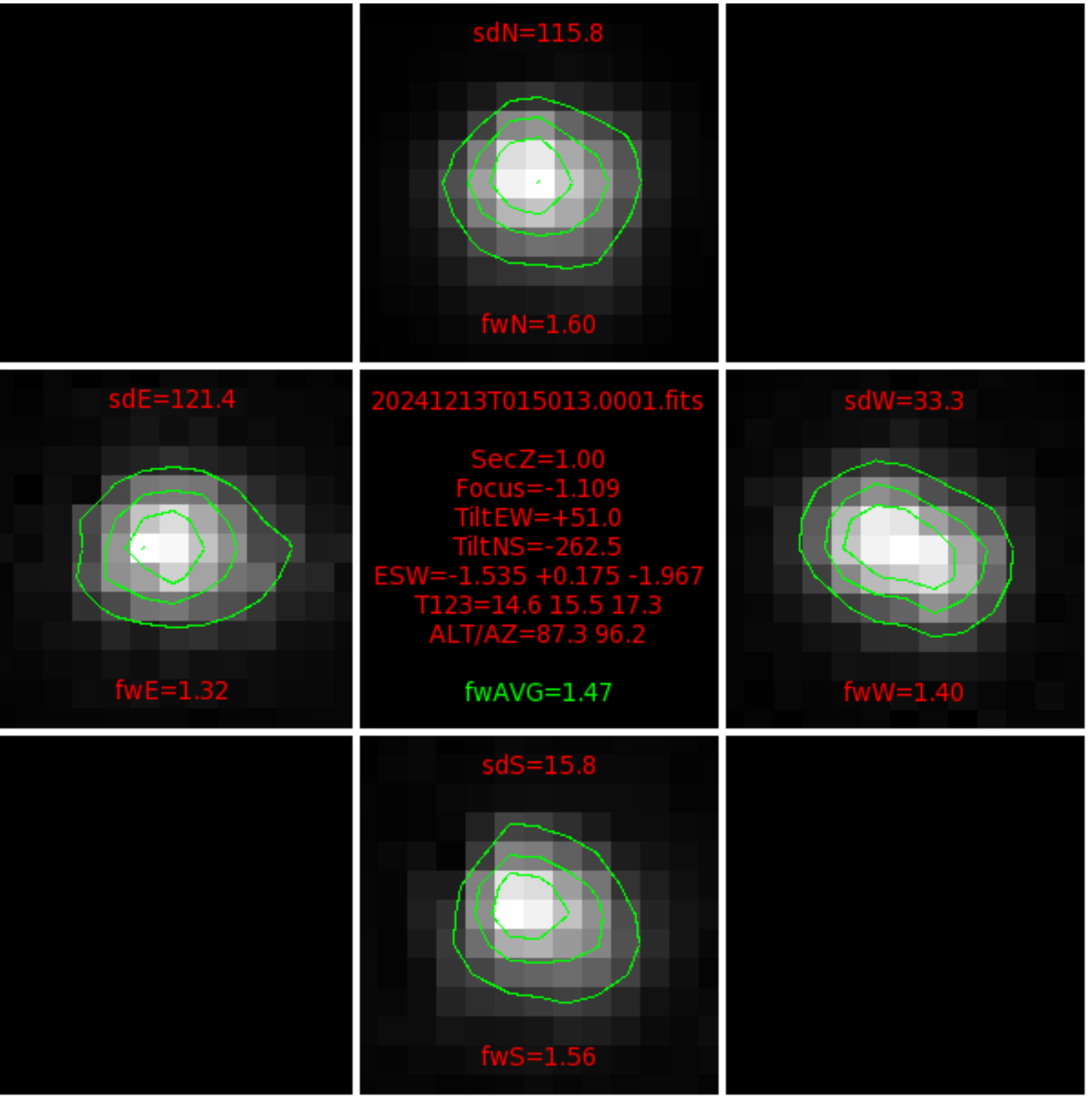
sdN=115.8
fwN=1.60
sdE=121.4
fwE=1.32
20241213T015013.0001.fits
SecZ=1.00
Focus=-1.109
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.535 +0.175 -1.967
T123=14.6 15.5 17.3
ALT/AZ=87.3 96.2
fwAVG=1.47
sdW=33.3
fwW=1.40
sdS=15.8
fwS=1.56
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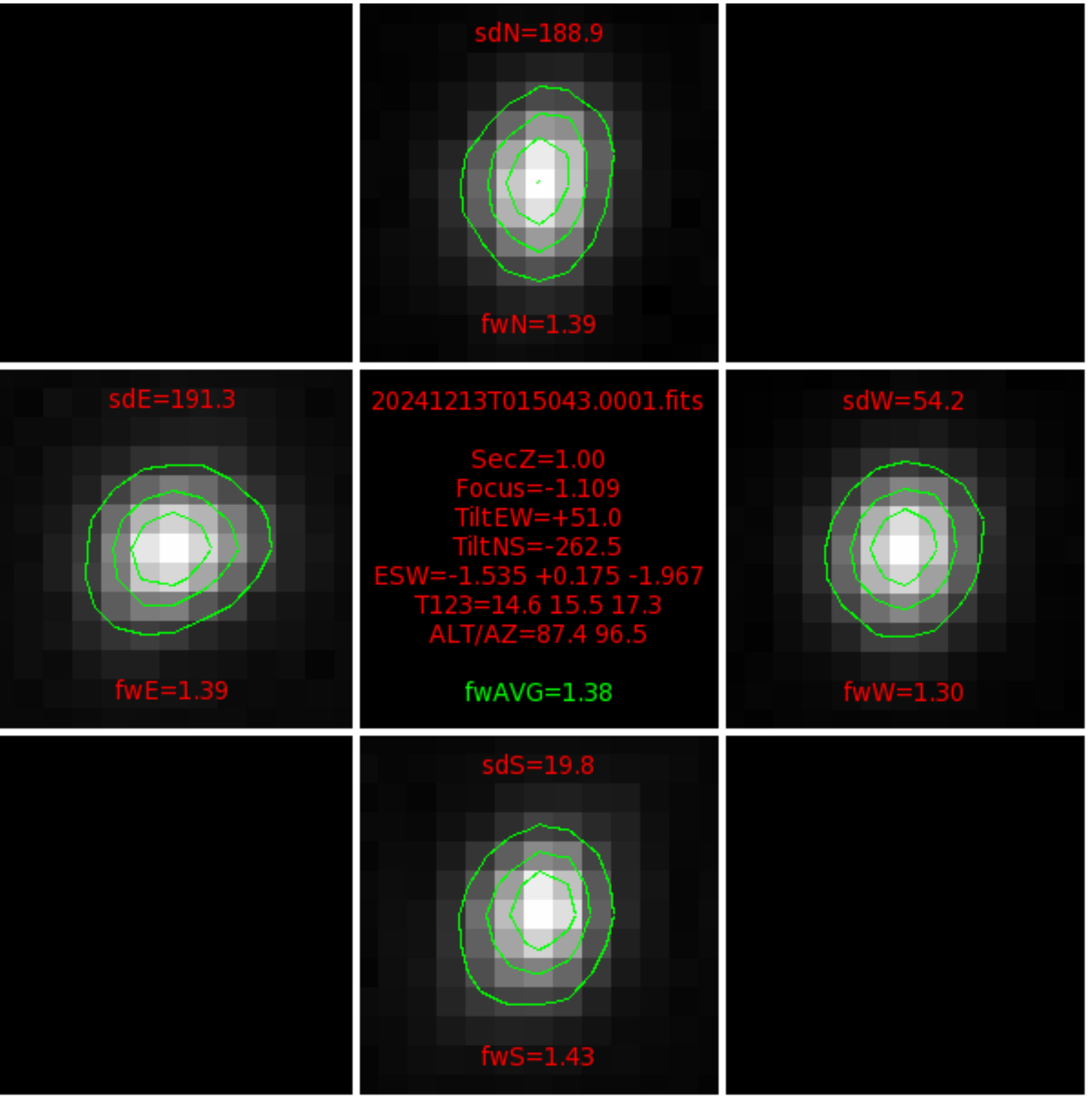
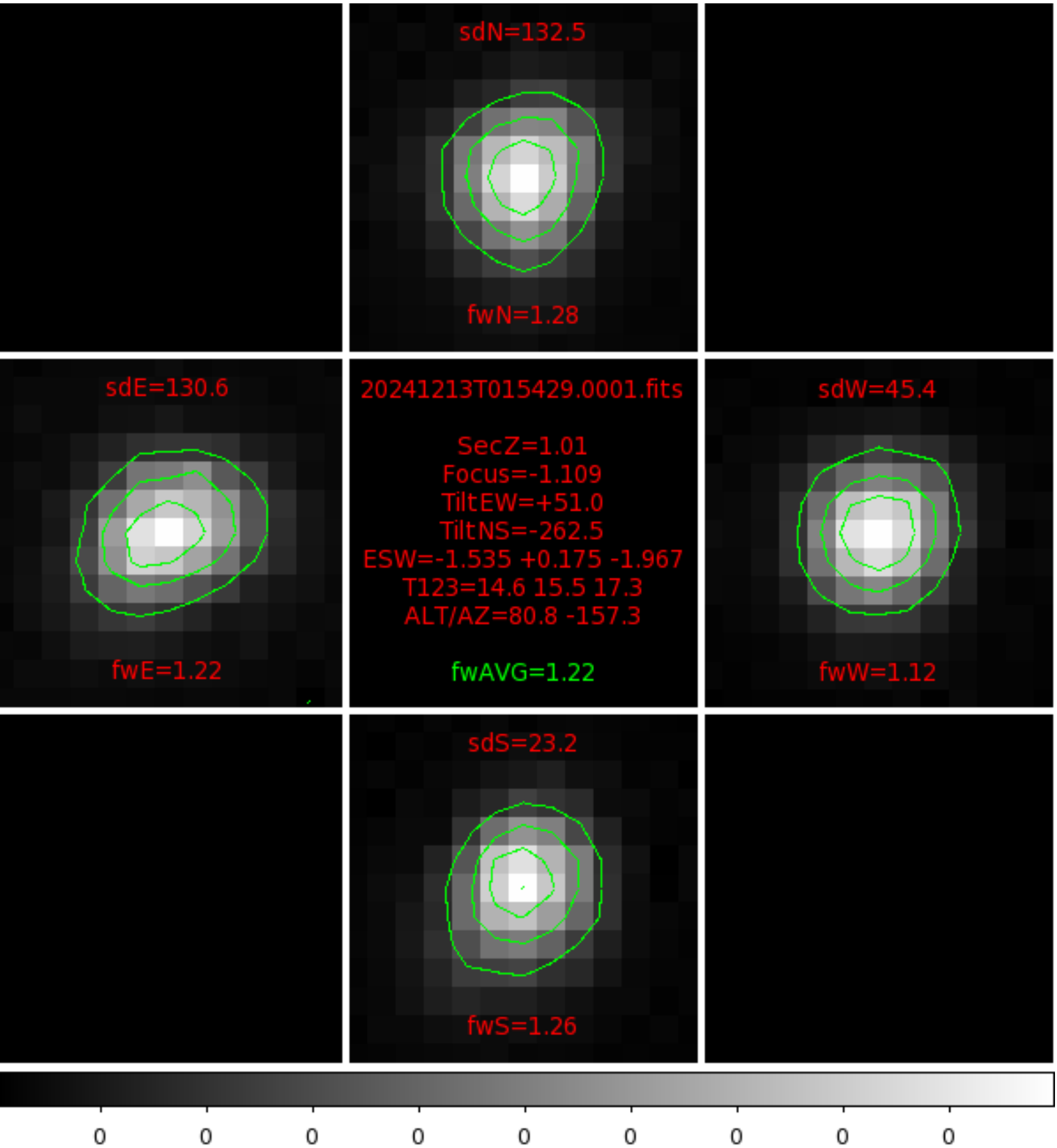

sdN=188.9
fwN=1.39
sdE=191.3
fwE=1.39
20241213T015043.0001.fits
SecZ=1.00
Focus=-1.109
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.535 +0.175 -1.967
T123=14.6 15.5 17.3
ALT/AZ=87.4 96.5
fwAVG=1.38
sdW=54.2
fwW=1.30
sdS=19.8
fwS=1.43
0 0 0 0 0 0 0 0 0


sdN=132.5
fwN=1.28
sdE=130.6
fwE=1.22
20241213T015429.0001.fits
SecZ=1.01
Focus=-1.109
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.535 +0.175 -1.967
T123=14.6 15.5 17.3
ALT/AZ=80.8 -157.3
fwAVG=1.22
sdW=45.4
fwW=1.12
sdS=23.2
fwS=1.26
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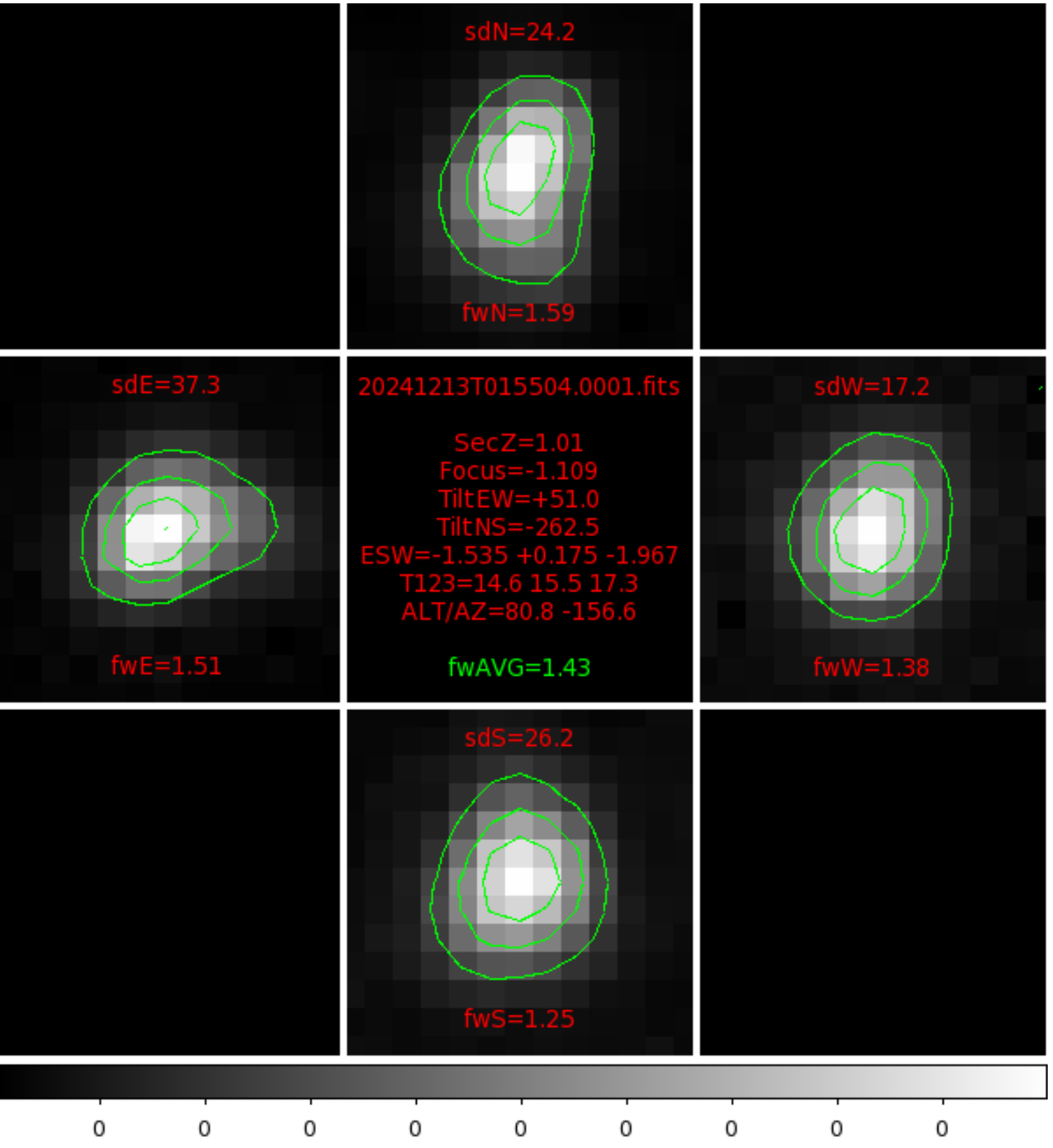
sdN=24.2
fwN=1.59
sdE=37.3
fwE=1.51
20241213T015504.0001.fits
SecZ=1.01
Focus=-1.109
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.535 +0.175 -1.967
T123=14.6 15.5 17.3
ALT/AZ=80.8 -156.6
fwAVG=1.43
sdW=17.2
fwW=1.38
sdS=26.2
fwS=1.25
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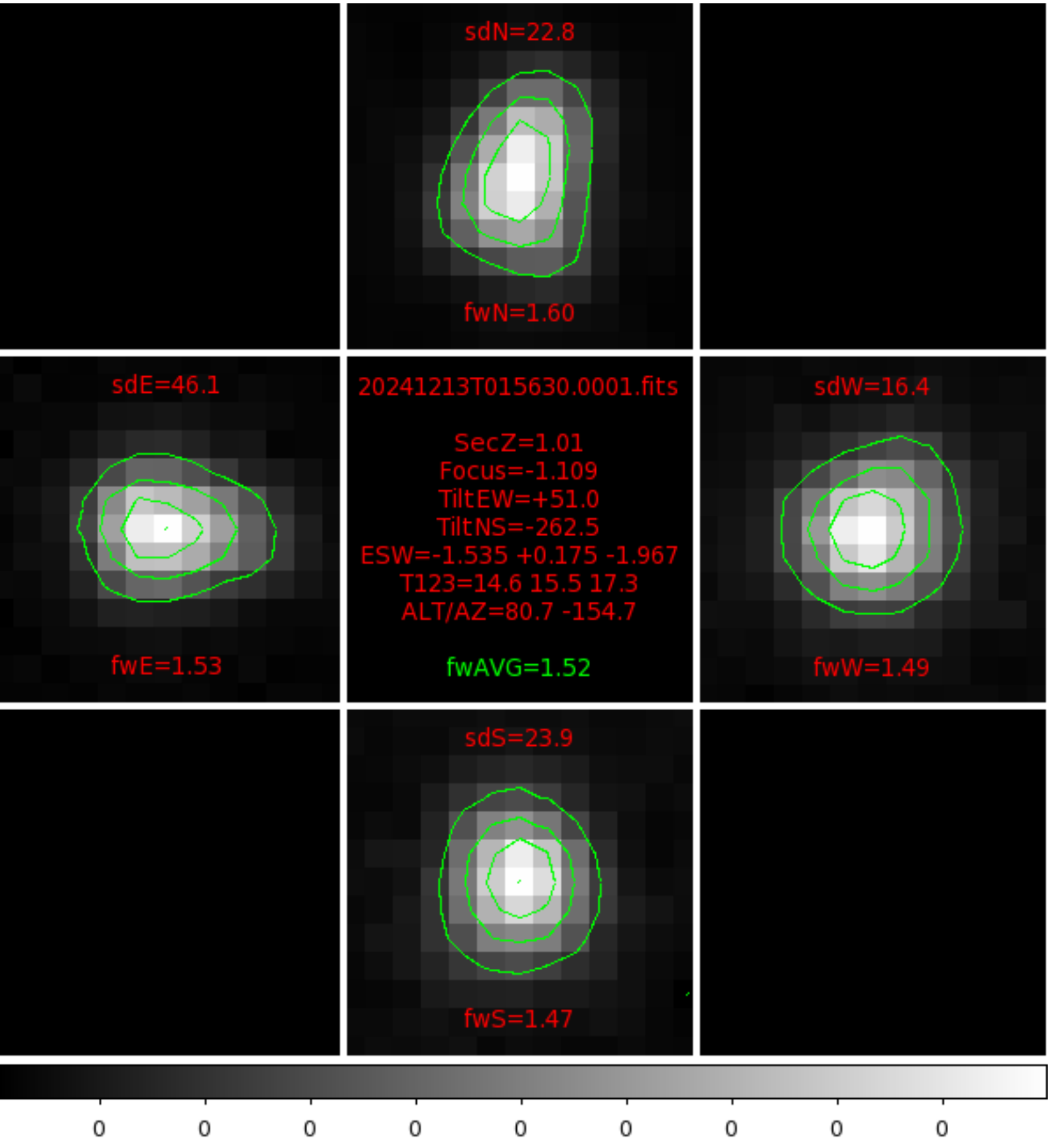
sdN=22.8
fwN=1.60
sdE=46.1
fwE=1.53
20241213T015630.0001.fits
SecZ=1.01
Focus=-1.109
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.535 +0.175 -1.967
T123=14.6 15.5 17.3
ALT/AZ=80.7 -154.7
fwAVG=1.52
sdW=16.4
fwW=1.49
sdS=23.9
fwS=1.47
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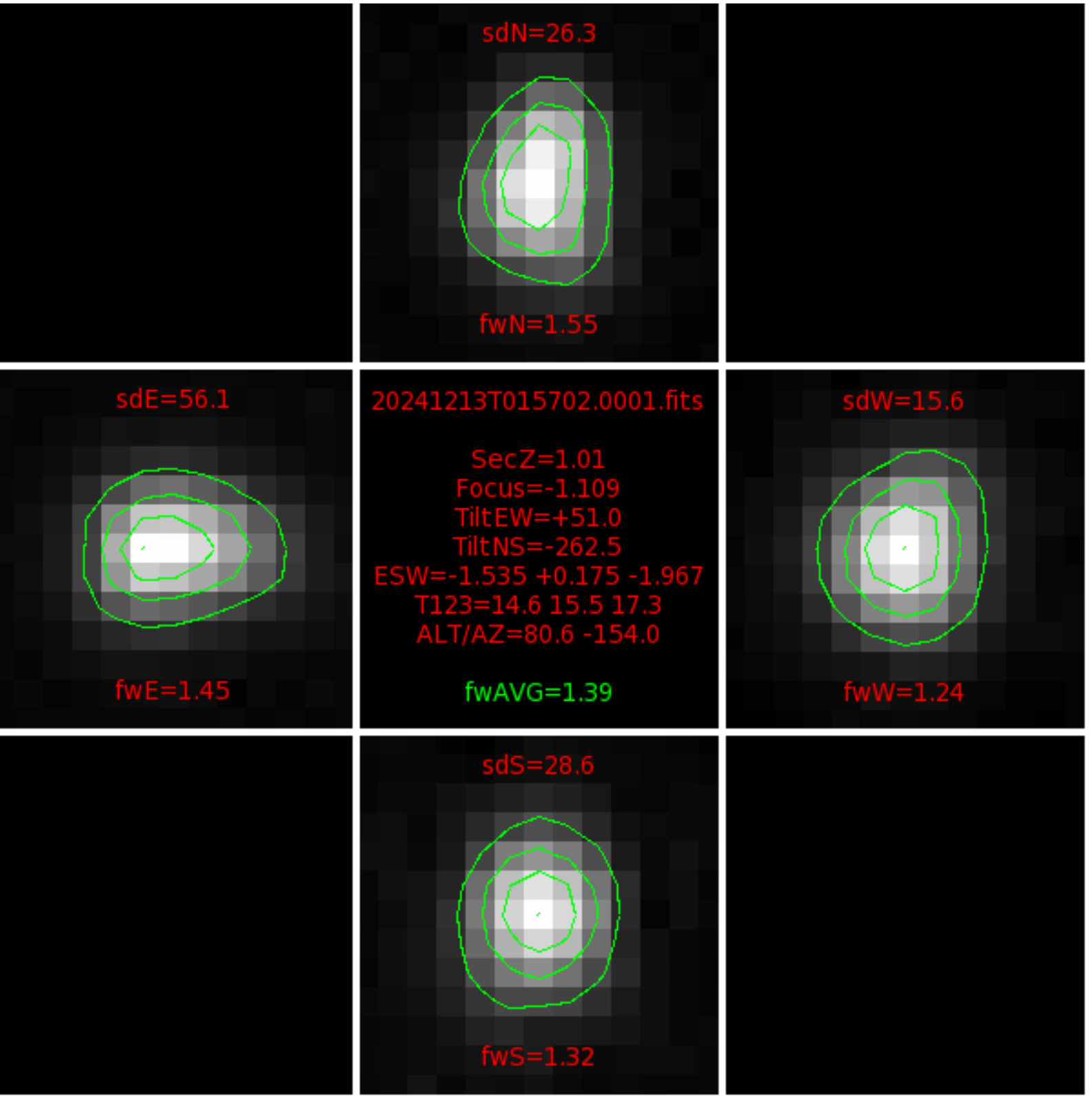
sdN=26.3
fwN=1.55
sdE=56.1
fwE=1.45
20241213T015702.0001.fits
SecZ=1.01
Focus=-1.109
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.535 +0.175 -1.967
T123=14.6 15.5 17.3
ALT/AZ=80.6 -154.0
fwAVG=1.39
sdW=15.6
fwW=1.24
sdS=28.6
fwS=1.32
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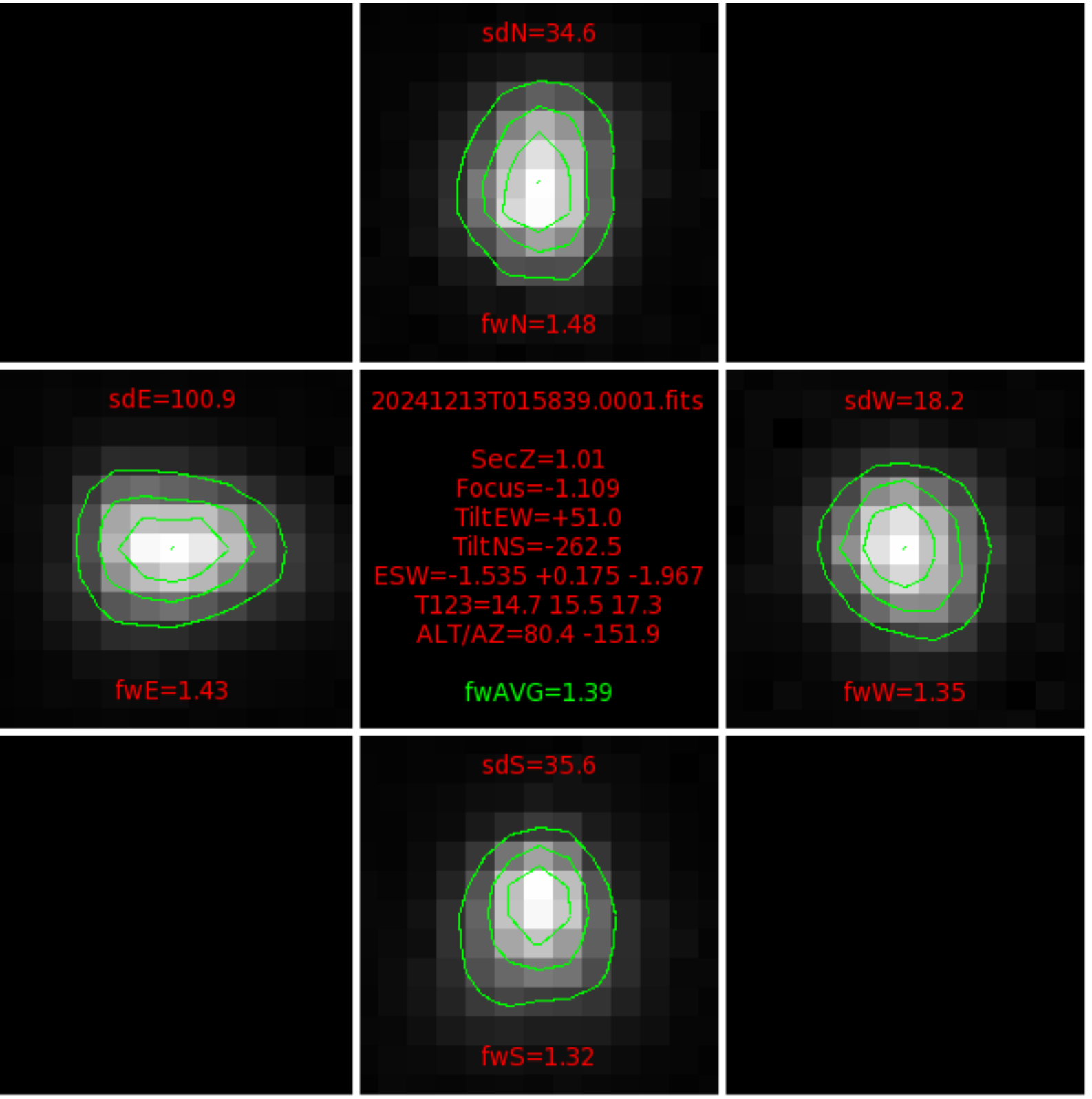
sdN=34.6
fwN=1.48
sdE=100.9
fwE=1.43
20241213T015839.0001.fits
SecZ=1.01
Focus=-1.109
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.535 +0.175 -1.967
T123=14.7 15.5 17.3
ALT/AZ=80.4 -151.9
fwAVG=1.39
sdW=18.2
fwW=1.35
sdS=35.6
fwS=1.32
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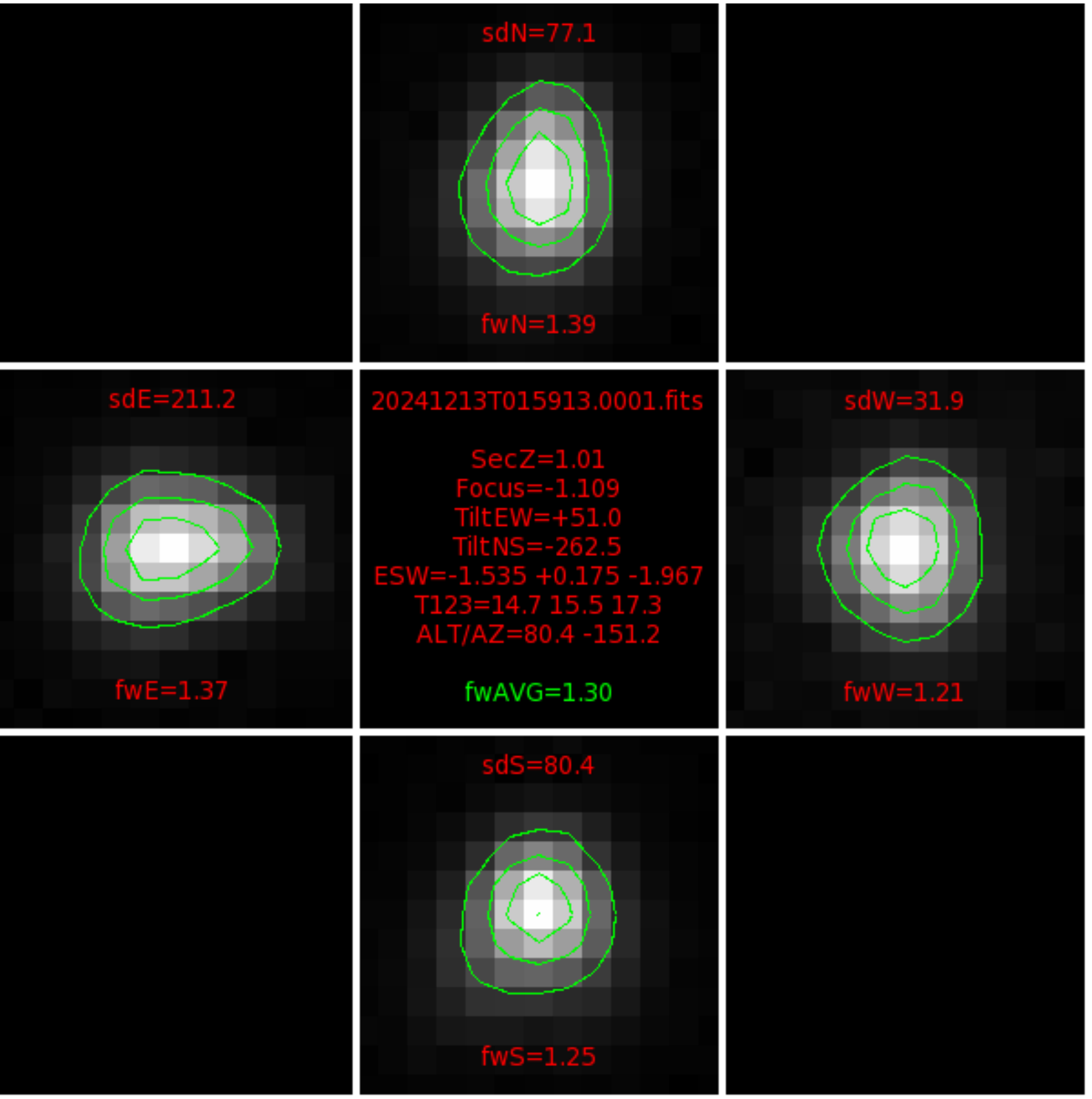
sdN=77.1
fwN=1.39
sdE=211.2
fwE=1.37
20241213T015913.0001.fits
SecZ=1.01
Focus=-1.109
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.535 +0.175 -1.967
T123=14.7 15.5 17.3
ALT/AZ=80.4 -151.2
fwAVG=1.30
sdW=31.9
fwW=1.21
sdS=80.4
fwS=1.25
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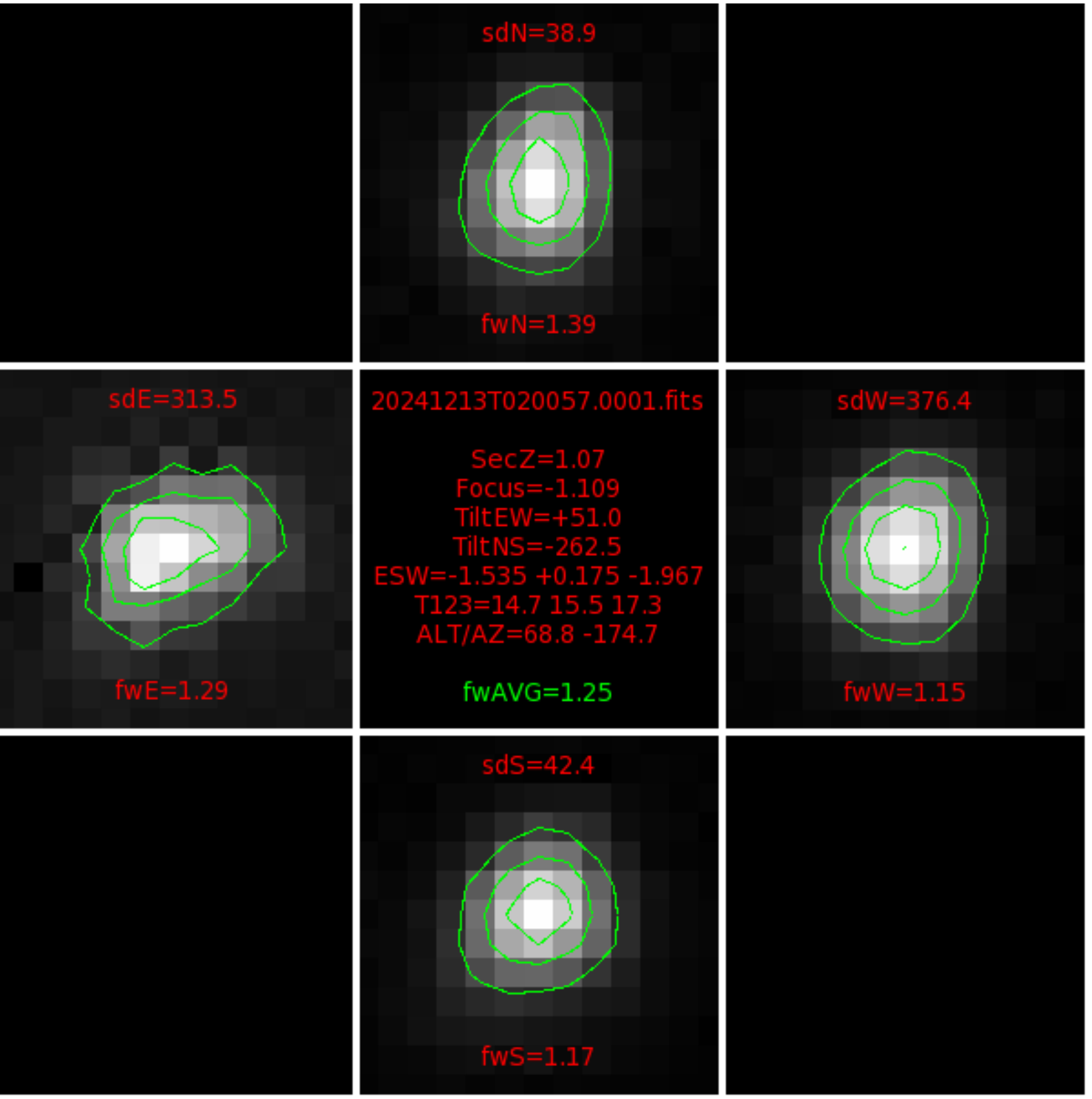
sdN=38.9
fwN=1.39
sdE=313.5
fwE=1.29
20241213T020057.0001.fits
SecZ=1.07
Focus=-1.109
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.535 +0.175 -1.967
T123=14.7 15.5 17.3
ALT/AZ=68.8 -174.7
fwAVG=1.25
sdW=376.4
fwW=1.15
sdS=42.4
fwS=1.17
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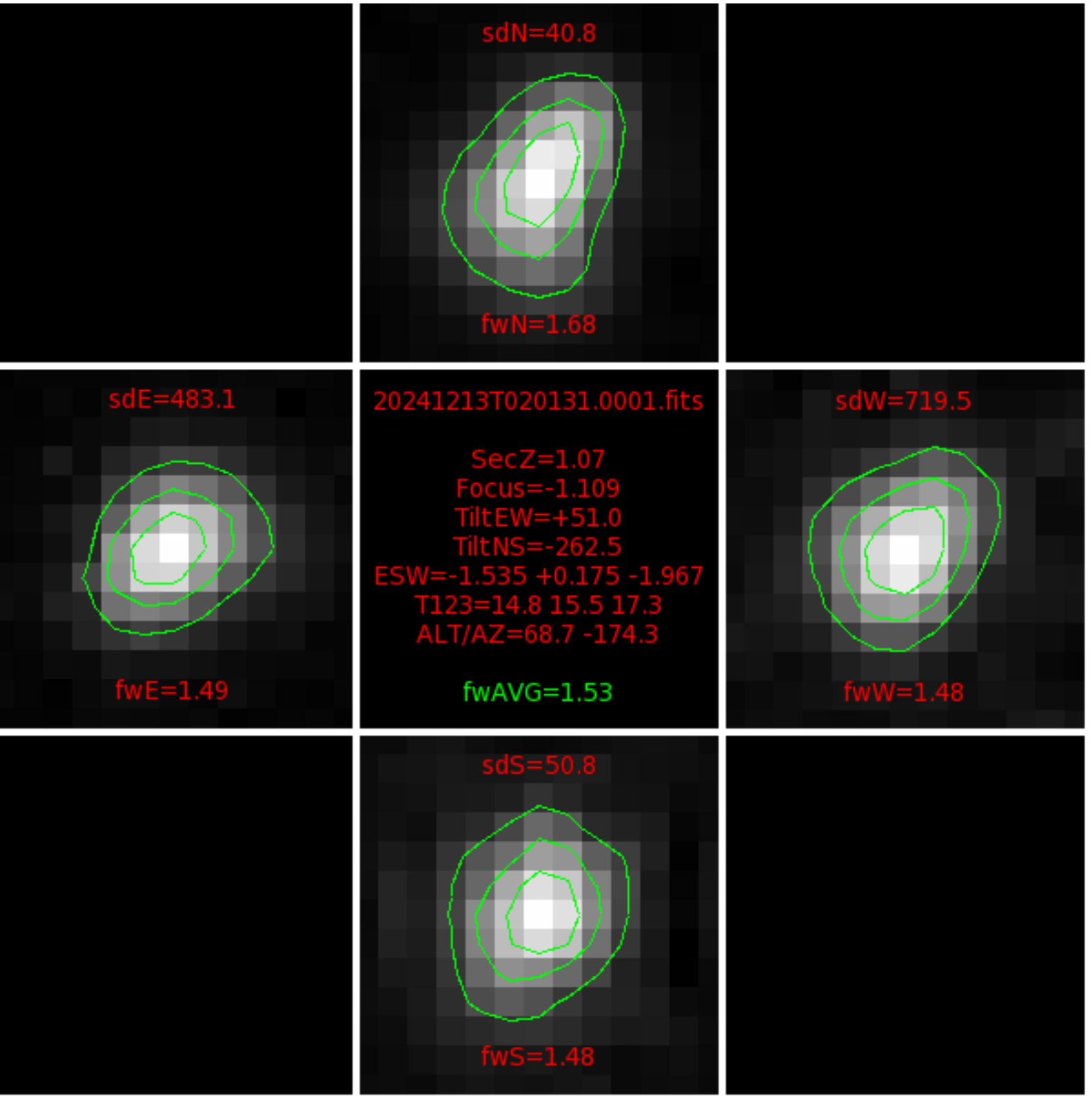
sdN=40.8
fwN=1.68
sdE=483.1
fwE=1.49
20241213T020131.0001.fits
SecZ=1.07
Focus=-1.109
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.535 +0.175 -1.967
T123=14.8 15.5 17.3
ALT/AZ=68.7 -174.3
fwAVG=1.53
sdW=719.5
fwW=1.48
sdS=50.8
fwS=1.48
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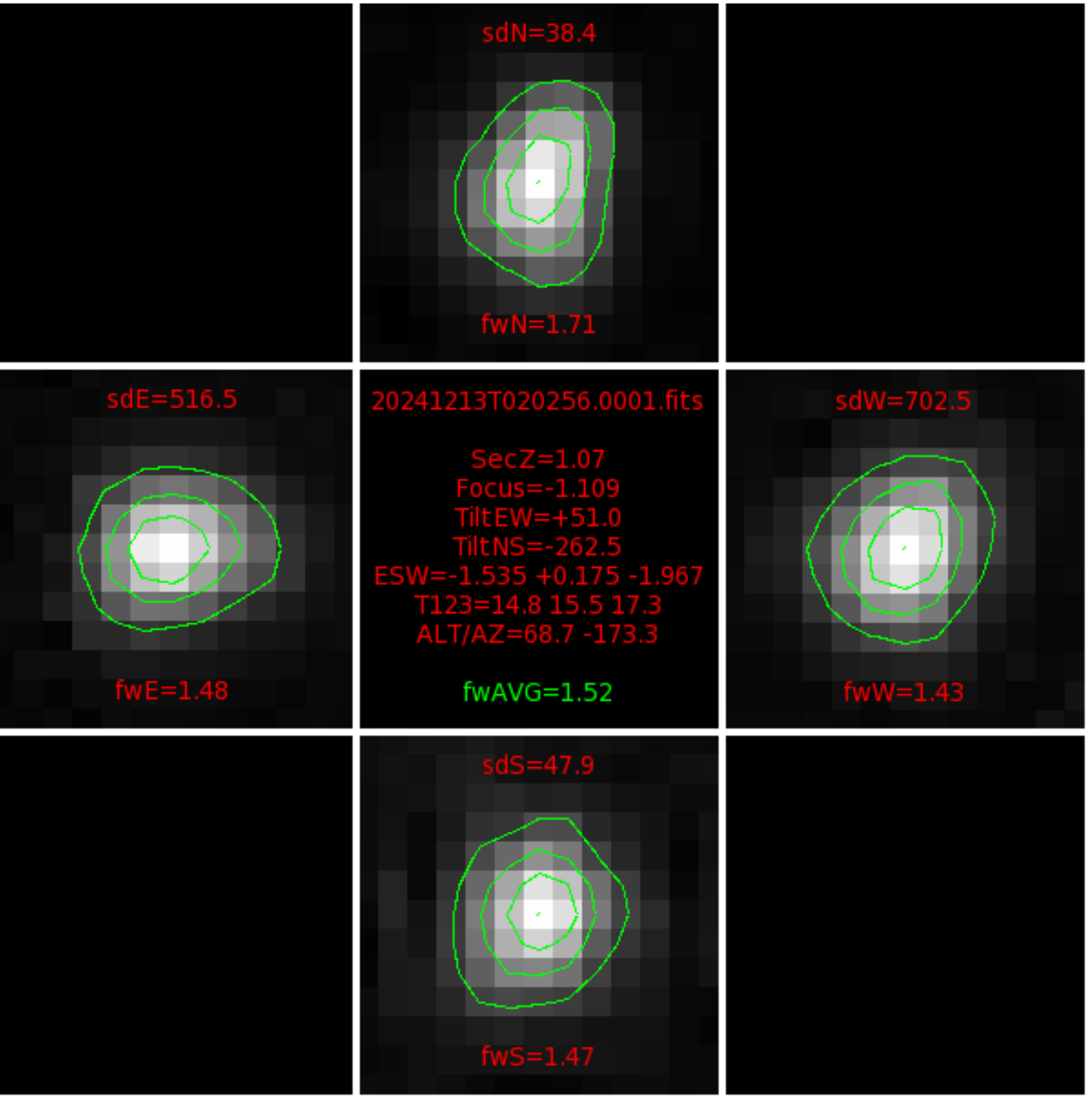
sdN=38.4
fwN=1.71
sdE=516.5
fwE=1.48
20241213T020256.0001.fits
SecZ=1.07
Focus=-1.109
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.535 +0.175 -1.967
T123=14.8 15.5 17.3
ALT/AZ=68.7 -173.3
fwAVG=1.52
sdW=702.5
fwW=1.43
sdS=47.9
fwS=1.47
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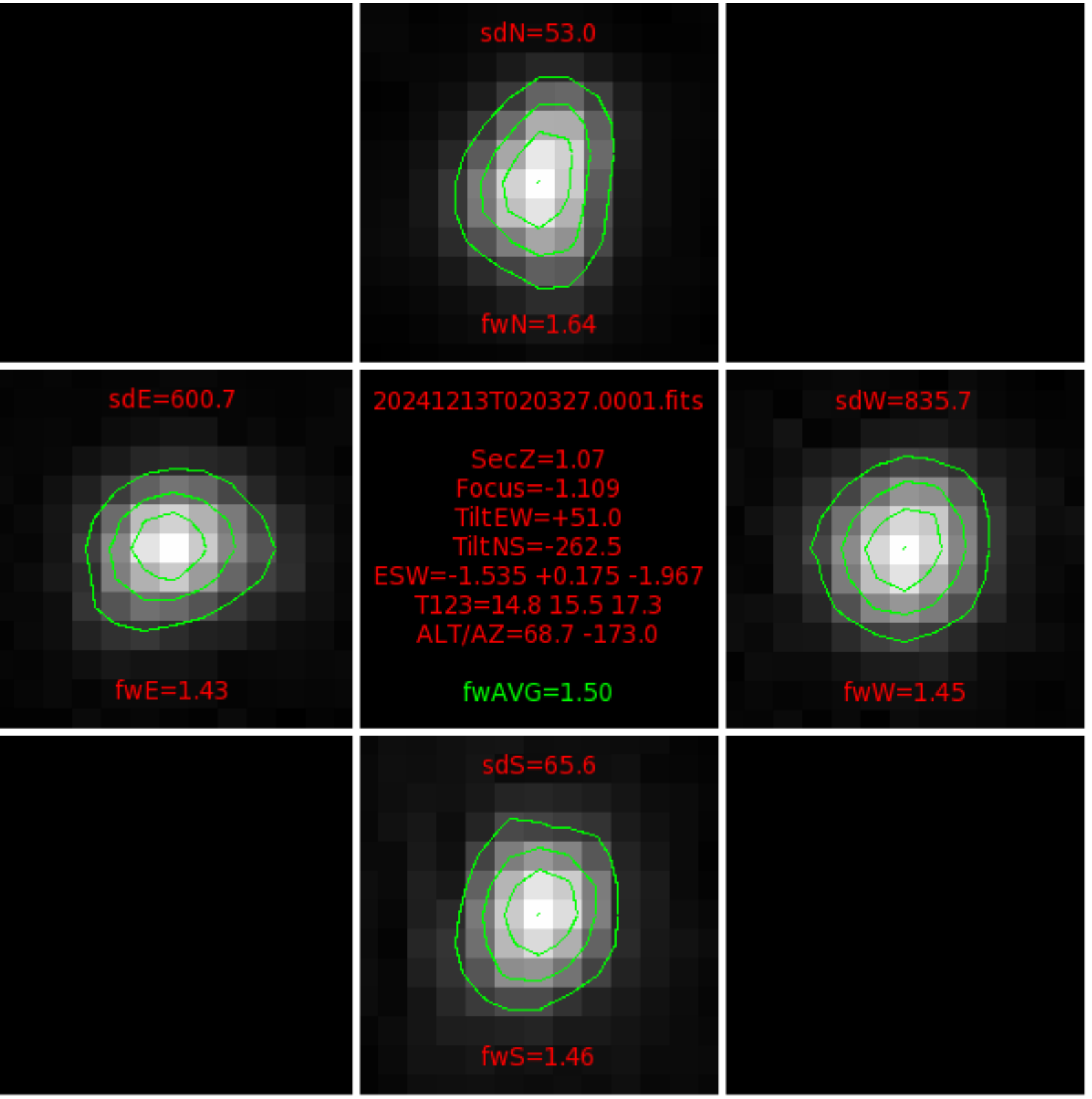
sdN=53.0
fwN=1.64
sdE=600.7
fwE=1.43
20241213T020327.0001.fits
SecZ=1.07
Focus=-1.109
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.535 +0.175 -1.967
T123=14.8 15.5 17.3
ALT/AZ=68.7 -173.0
fwAVG=1.50
sdW=835.7
fwW=1.45
sdS=65.6
fwS=1.46
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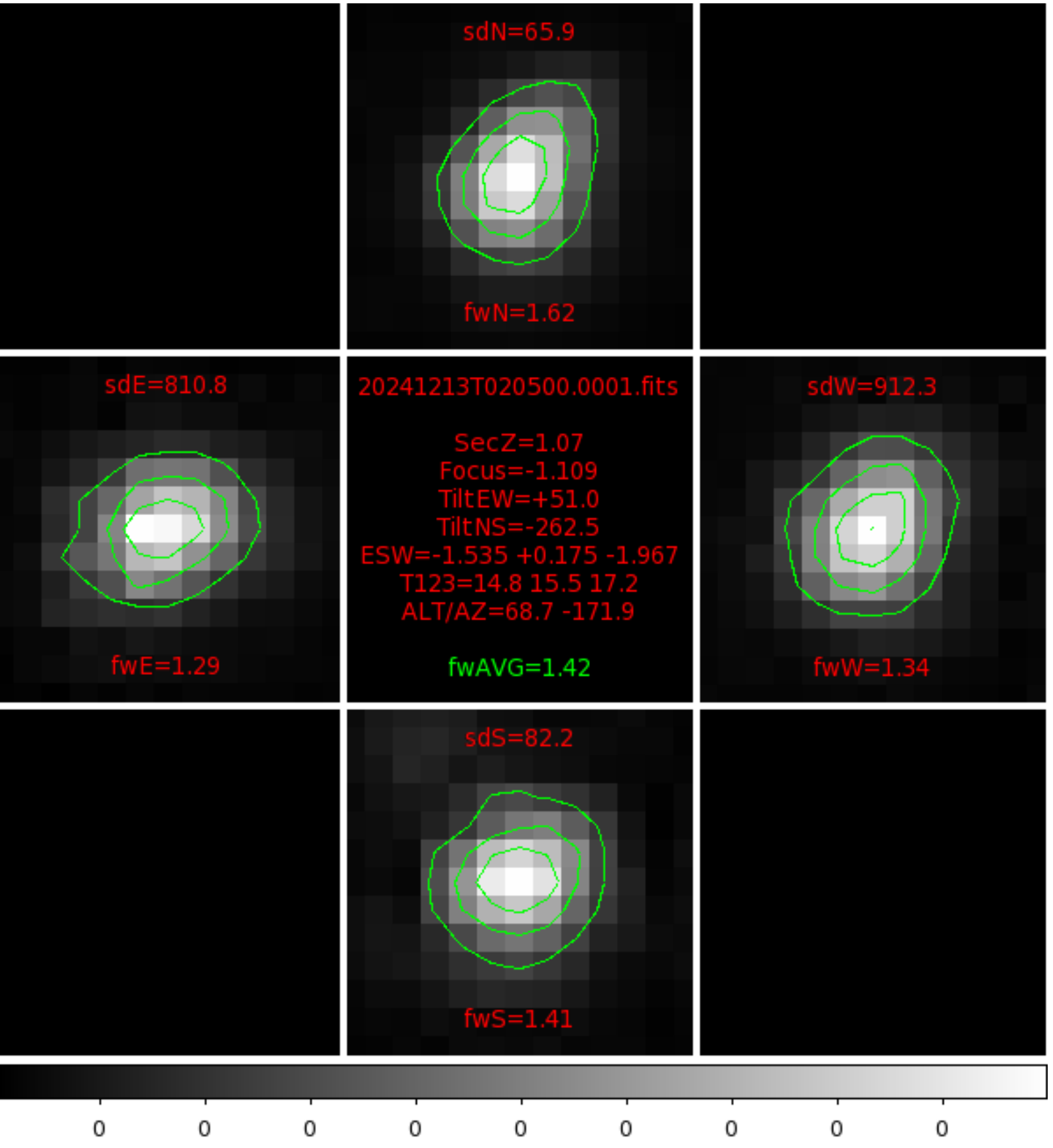
sdN=65.9
fwN=1.62
sdE=810.8
fwE=1.29
20241213T020500.0001.fits
SecZ=1.07
Focus=-1.109
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.535 +0.175 -1.967
T123=14.8 15.5 17.2
ALT/AZ=68.7 -171.9
fwAVG=1.42
sdW=912.3
fwW=1.34
sdS=82.2
fwS=1.41
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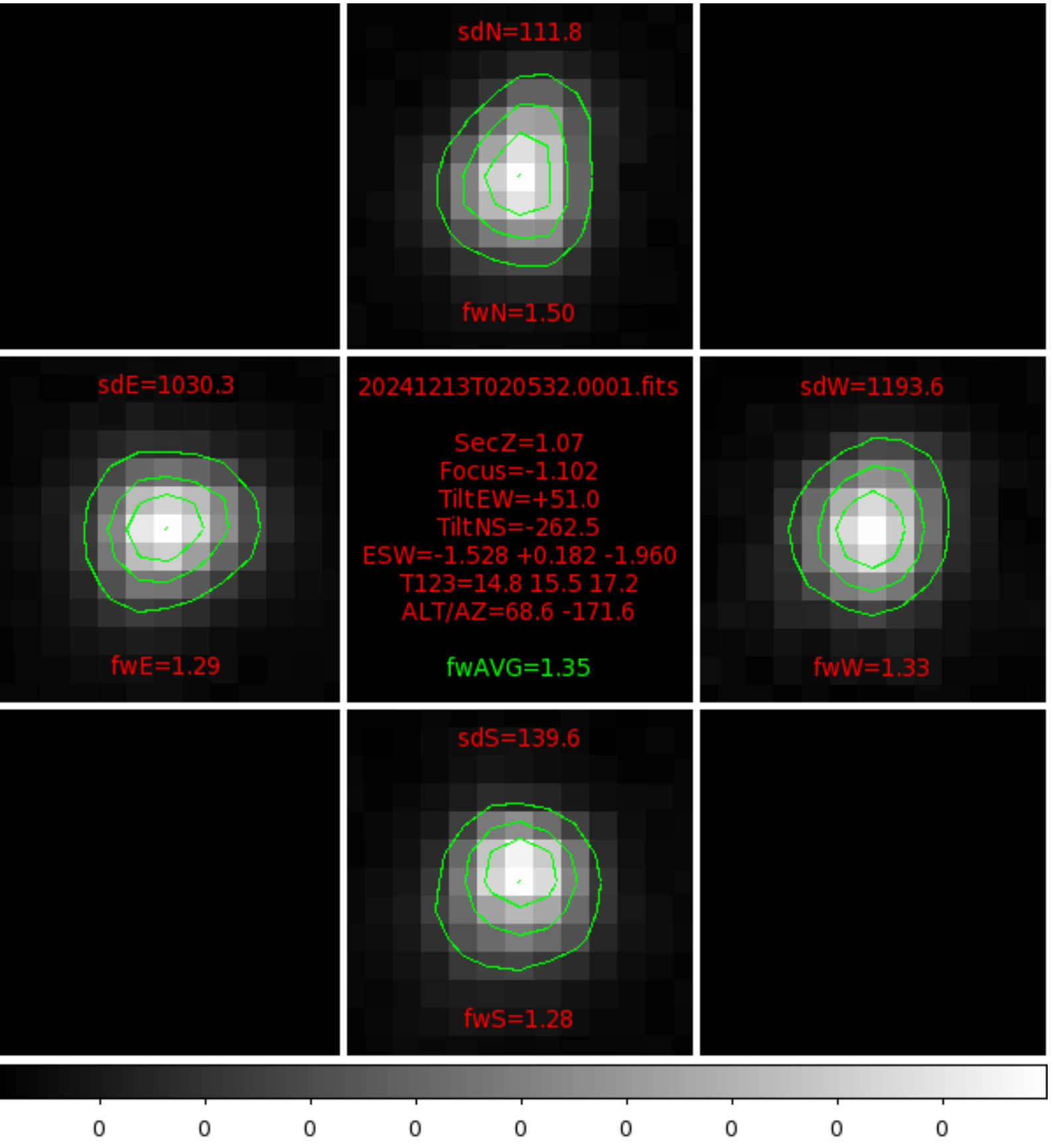
sdN=111.8
fwN=1.50
sdE=1030.3
fwE=1.29
20241213T020532.0001.fits
SecZ=1.07
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.8 15.5 17.2
ALT/AZ=68.6 -171.6
fwAVG=1.35
sdW=1193.6
fwW=1.33
sdS=139.6
fwS=1.28
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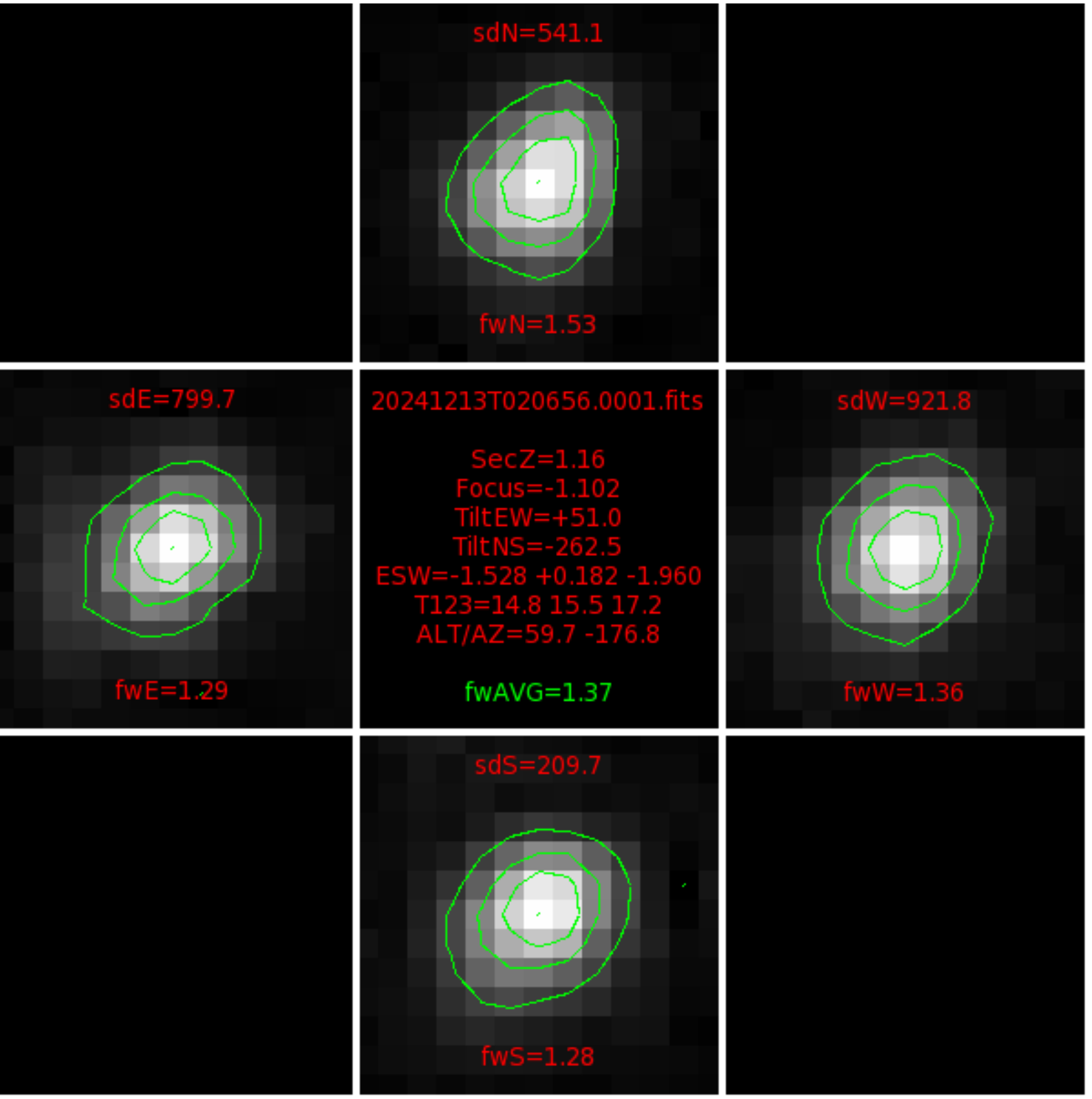
sdN=541.1
fwN=1.53
sdE=799.7
fwE=1.29
20241213T020656.0001.fits
SecZ=1.16
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.8 15.5 17.2
ALT/AZ=59.7 -176.8
fwAVG=1.37
sdW=921.8
fwW=1.36
sdS=209.7
fwS=1.28
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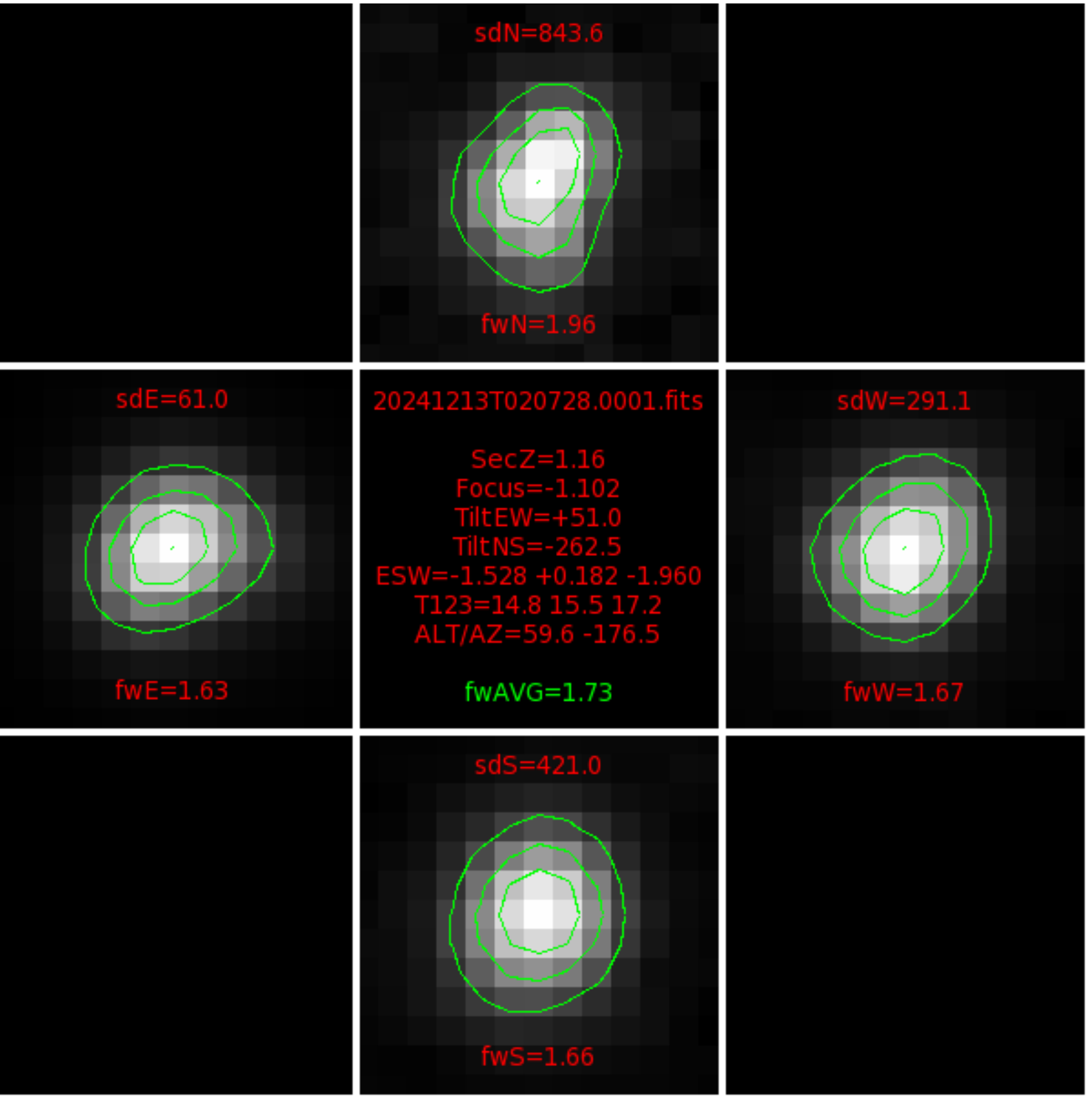
sdN=843.6
fwN=1.96
sdE=61.0
fwE=1.63
20241213T020728.0001.fits
SecZ=1.16
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.8 15.5 17.2
ALT/AZ=59.6 -176.5
fwAVG=1.73
sdW=291.1
fwW=1.67
sdS=421.0
fwS=1.66
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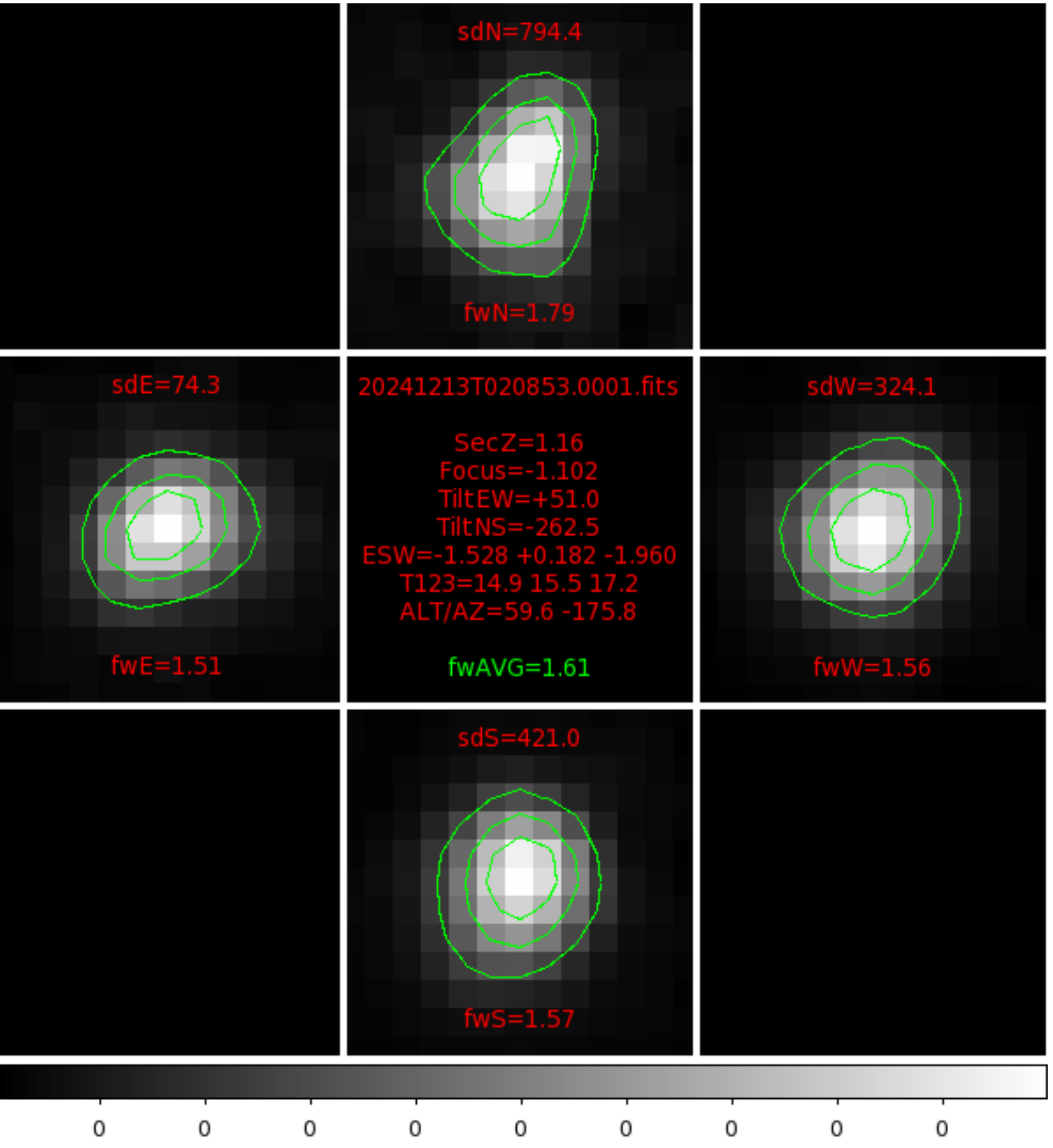
sdN=794.4
fwN=1.79
sdE=74.3
fwE=1.51
20241213T020853.0001.fits
SecZ=1.16
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.9 15.5 17.2
ALT/AZ=59.6 -175.8
fwAVG=1.61
sdW=324.1
fwW=1.56
sdS=421.0
fwS=1.57
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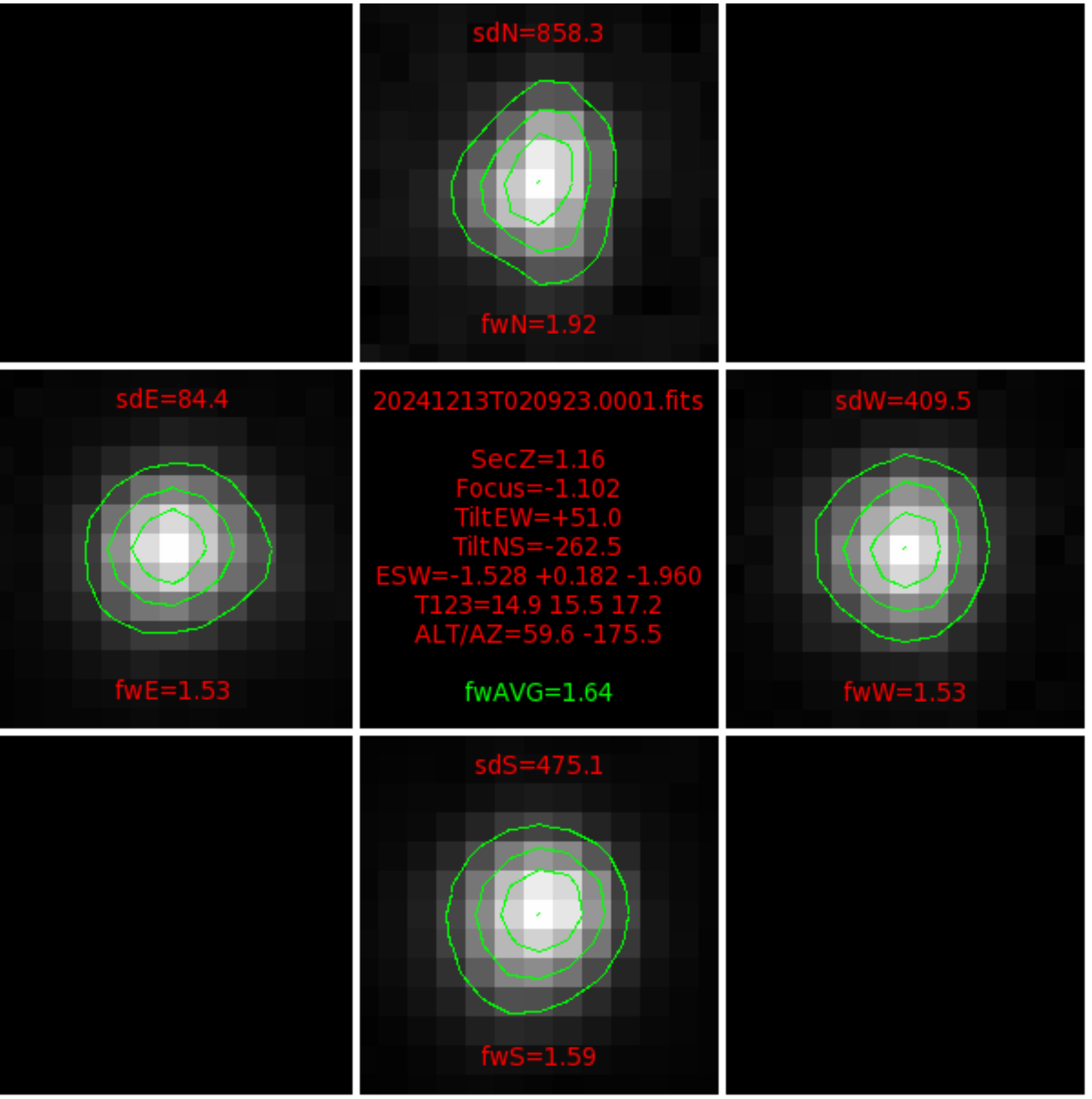
sdN=858.3
fwN=1.92
sdE=84.4
fwE=1.53
20241213T020923.0001.fits
SecZ=1.16
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.9 15.5 17.2
ALT/AZ=59.6 -175.5
fwAVG=1.64
sdW=409.5
fwW=1.53
sdS=475.1
fwS=1.59
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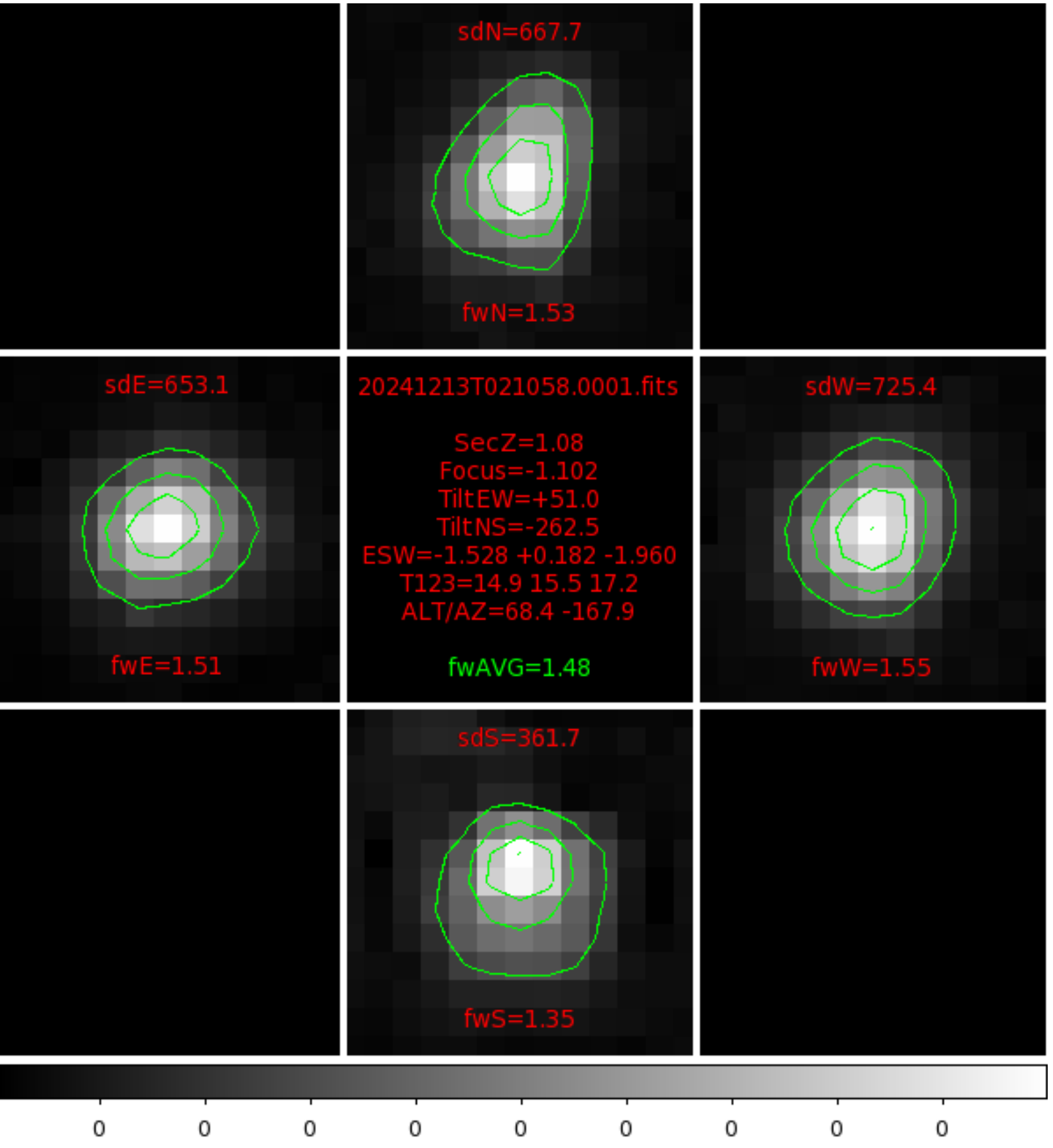
sdN=667.7
fwN=1.53
sdE=653.1
fwE=1.51
20241213T021058.0001.fits
SecZ=1.08
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.9 15.5 17.2
ALT/AZ=68.4 -167.9
fwAVG=1.48
sdW=725.4
fwW=1.55
sdS=361.7
fwS=1.35
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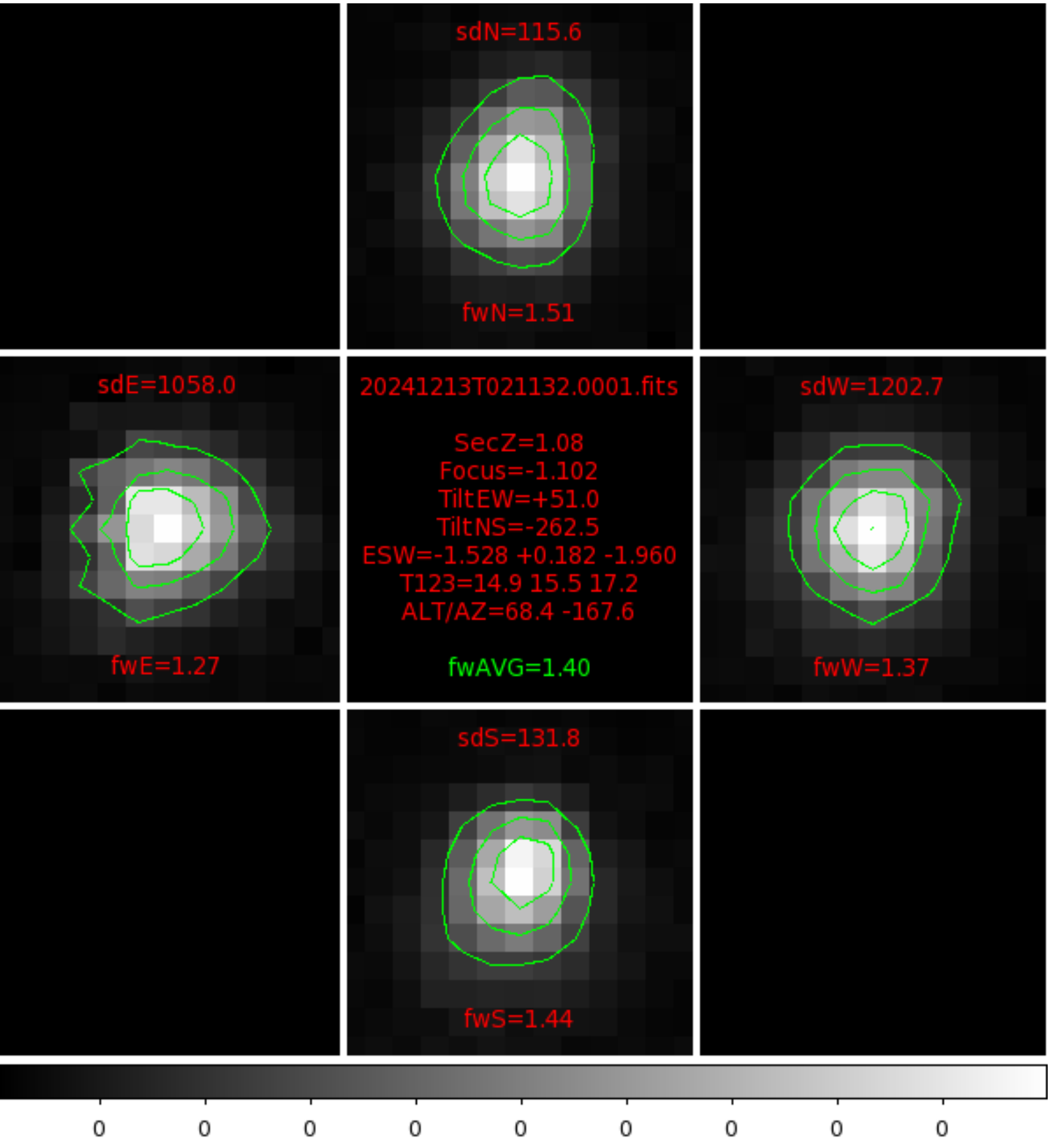
sdN=115.6
fwN=1.51
sdE=1058.0
fwE=1.27
20241213T021132.0001.fits
SecZ=1.08
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.9 15.5 17.2
ALT/AZ=68.4 -167.6
fwAVG=1.40
sdW=1202.7
fwW=1.37
sdS=131.8
fwS=1.44
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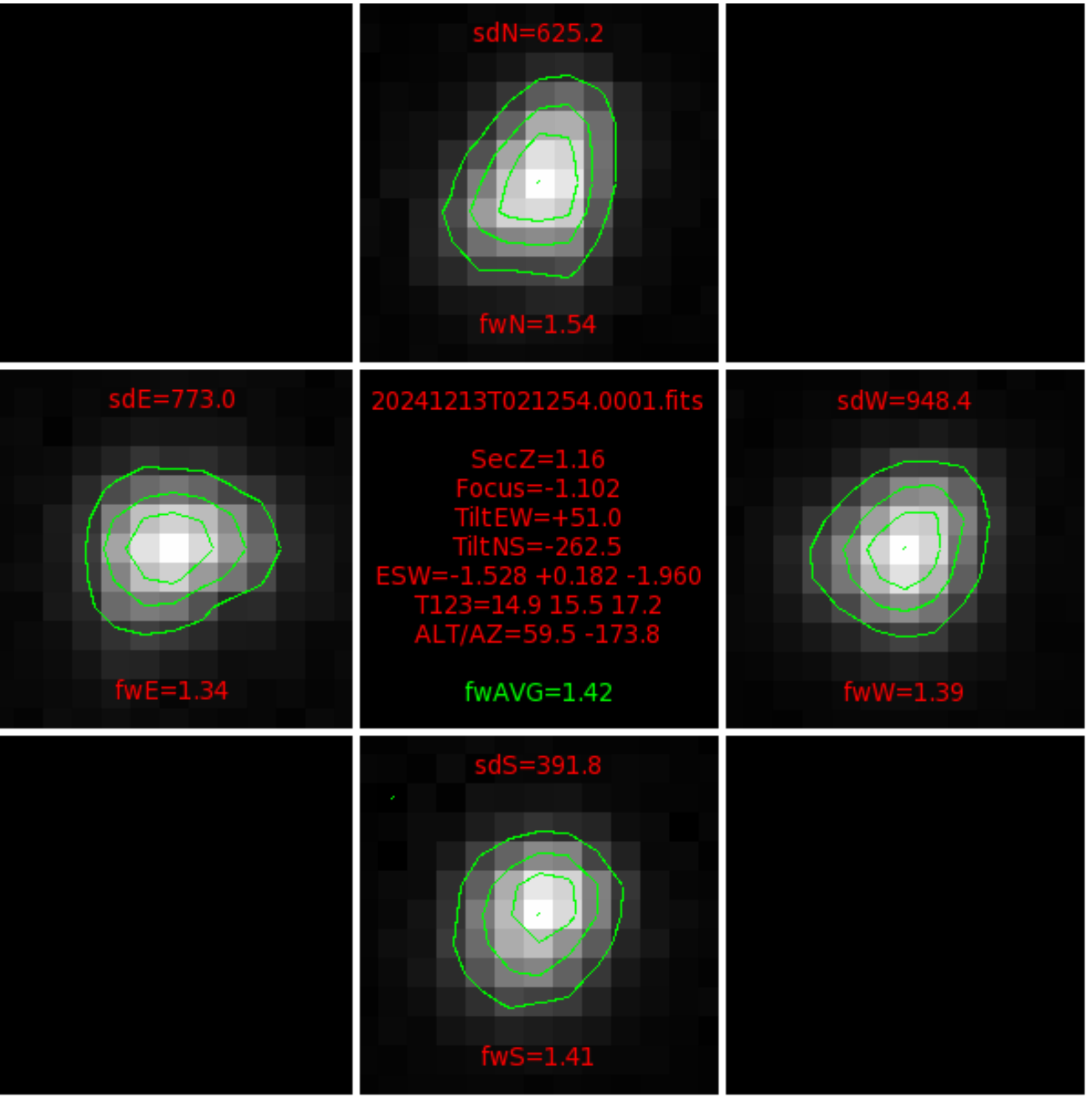
sdN=625.2
fwN=1.54
sdE=773.0
fwE=1.34
20241213T021254.0001.fits
SecZ=1.16
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.9 15.5 17.2
ALT/AZ=59.5 -173.8
fwAVG=1.42
sdW=948.4
fwW=1.39
sdS=391.8
fwS=1.41
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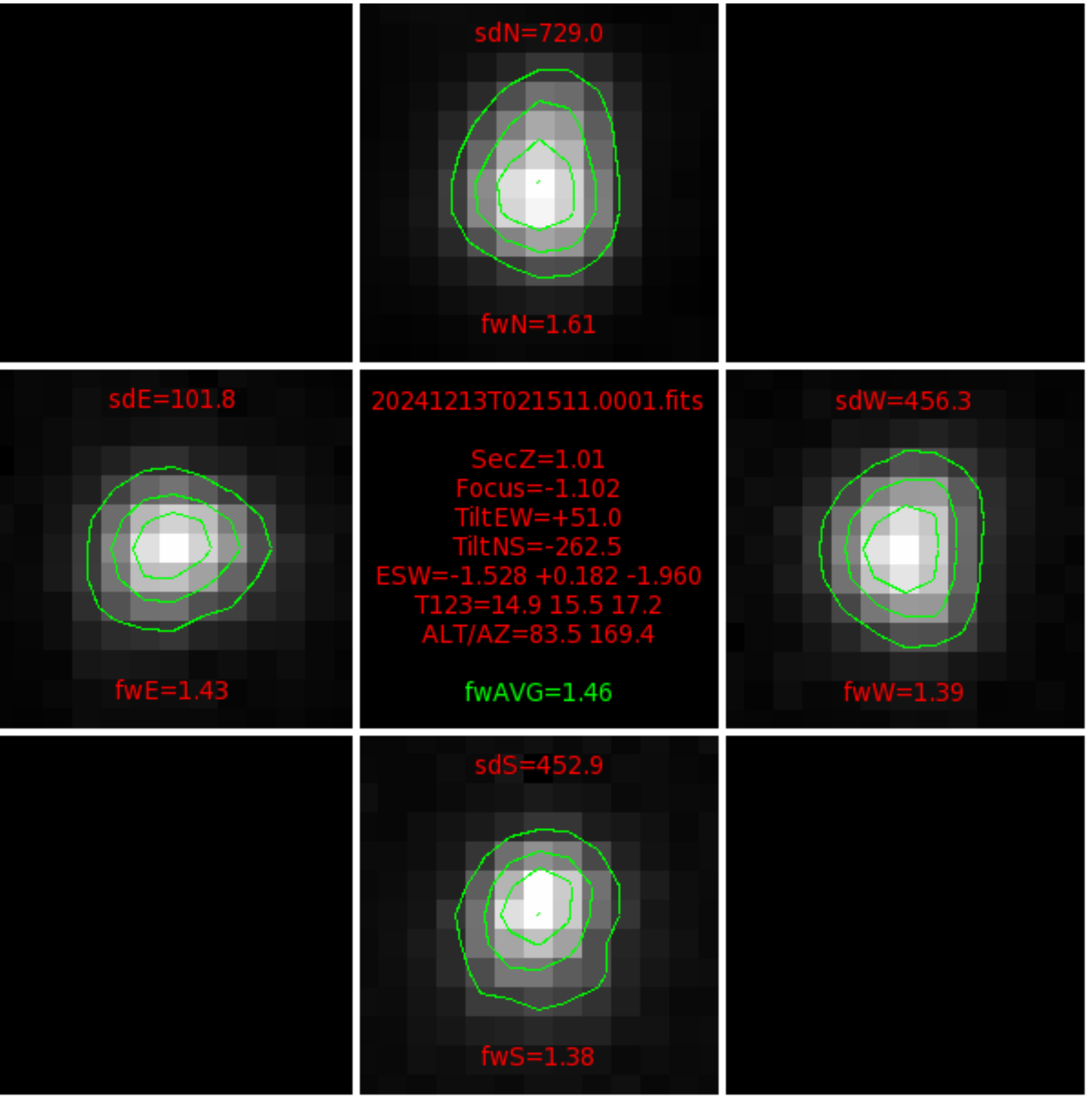
sdN=729.0
fwN=1.61
sdE=101.8
fwE=1.43
20241213T021511.0001.fits
SecZ=1.01
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.9 15.5 17.2
ALT/AZ=83.5 169.4
fwAVG=1.46
sdW=456.3
fwW=1.39
sdS=452.9
fwS=1.38
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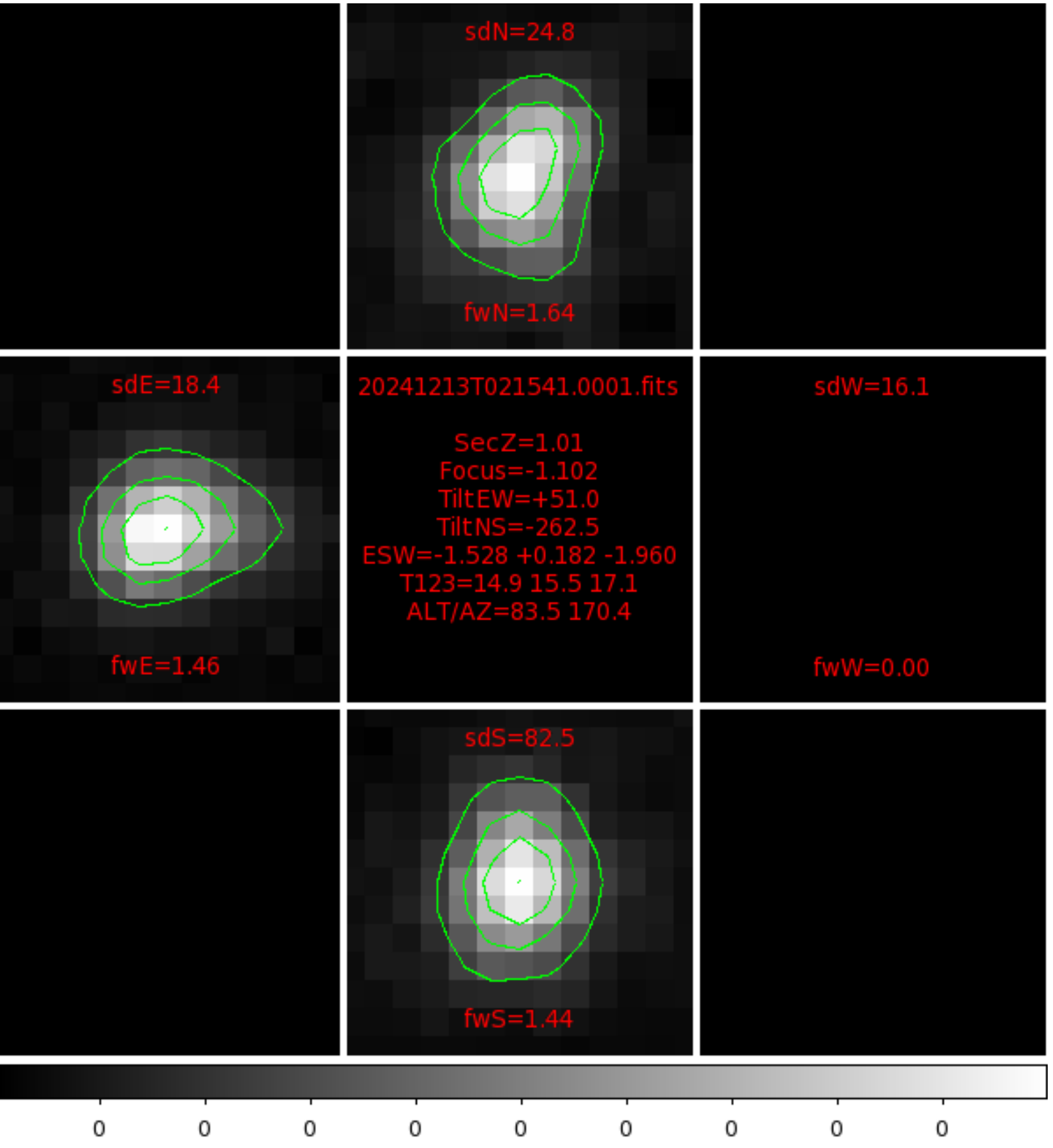
sdN=24.8
fwN=1.64
sdE=18.4
fwE=1.46
20241213T021541.0001.fits
SecZ=1.01
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.9 15.5 17.1
ALT/AZ=83.5 170.4
sdW=16.1
fwW=0.00
sdS=82.5
fwS=1.44
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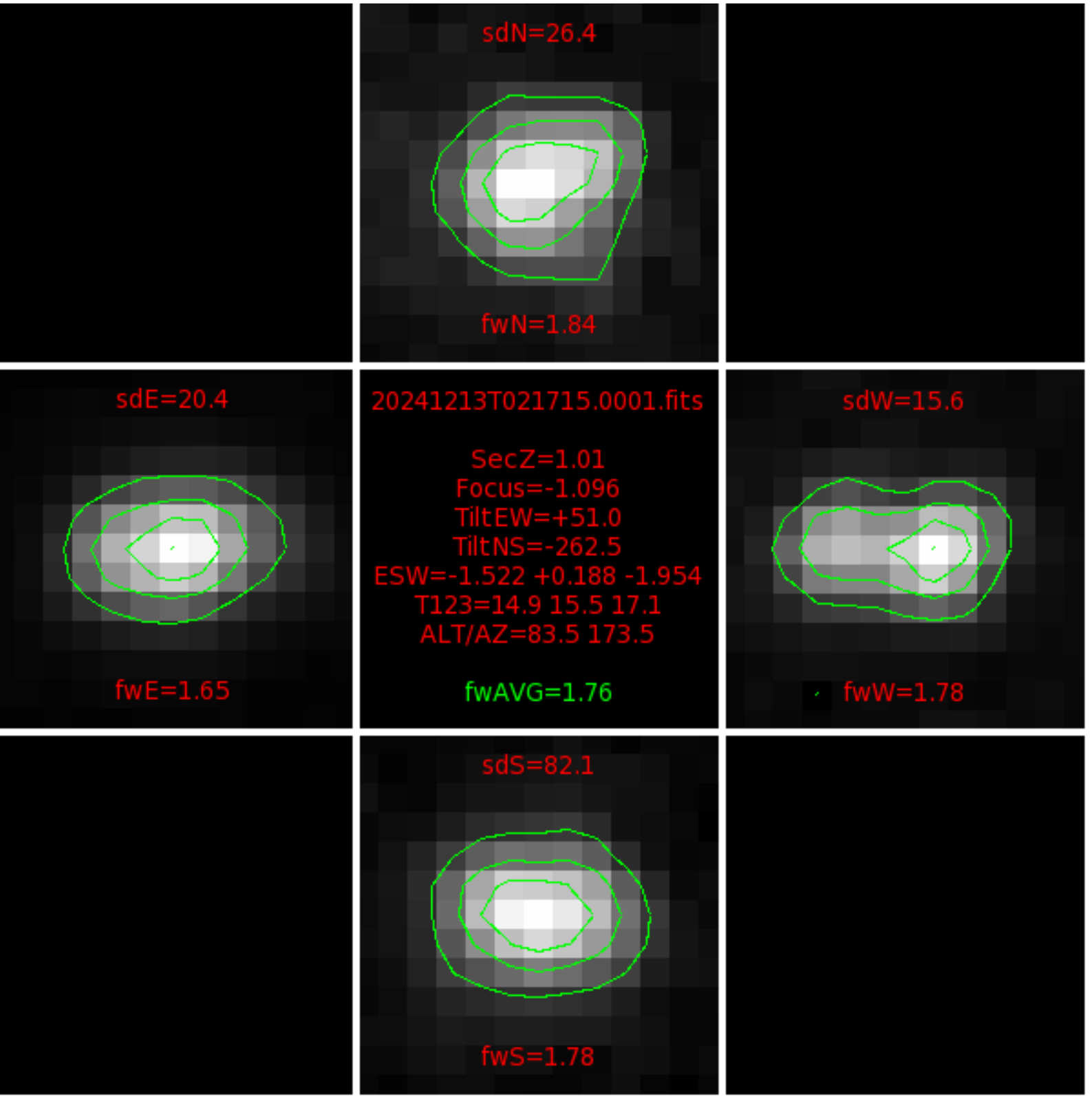
sdN=26.4
fwN=1.84
sdE=20.4
fwE=1.65
20241213T021715.0001.fits
SecZ=1.01
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.9 15.5 17.1
ALT/AZ=83.5 173.5
fwAVG=1.76
sdW=15.6
fwW=1.78
sdS=82.1
fwS=1.78
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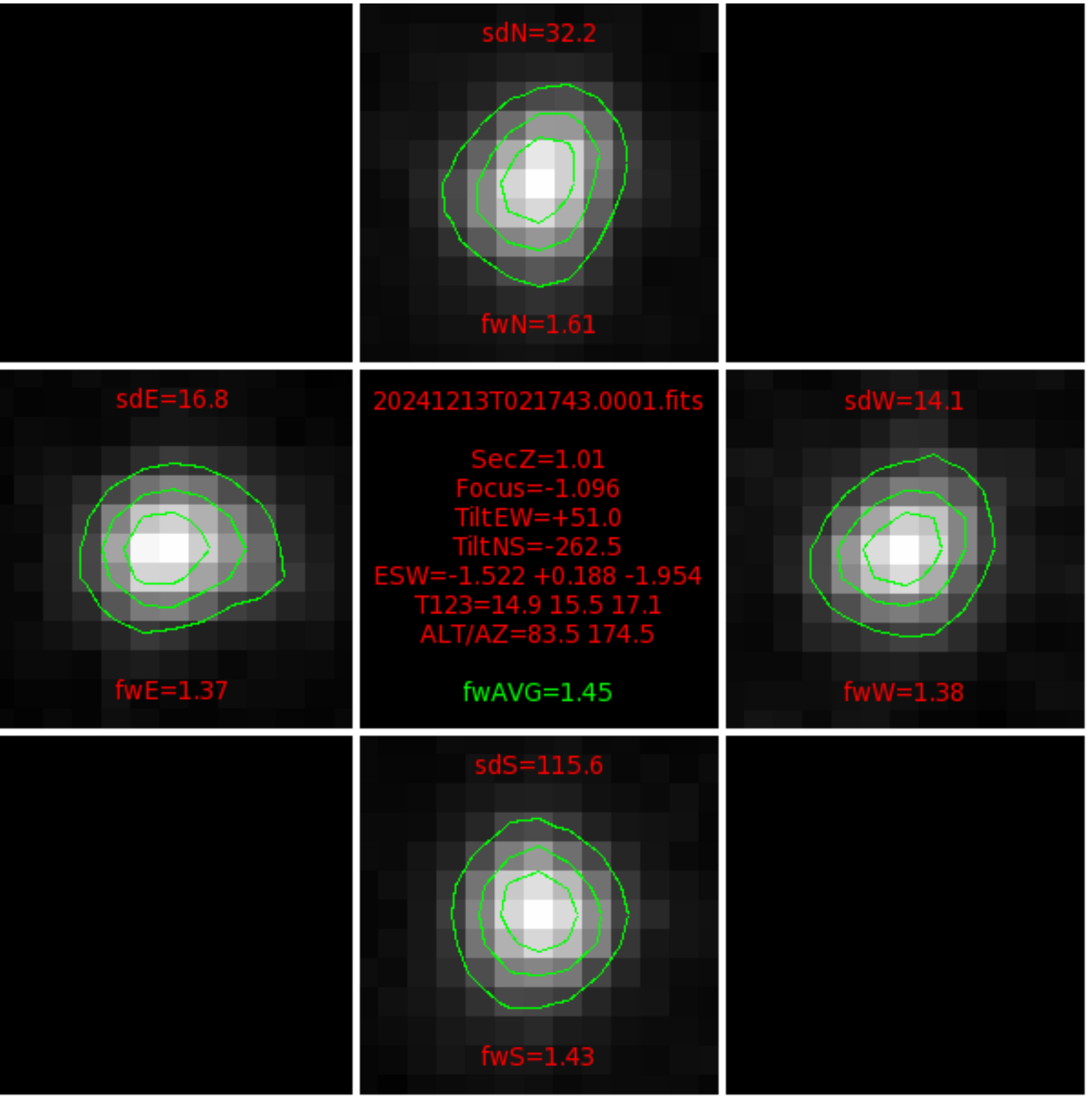
sdN=32.2
fwN=1.61
sdE=16.8
fwE=1.37
20241213T021743.0001.fits
SecZ=1.01
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.9 15.5 17.1
ALT/AZ=83.5 174.5
fwAVG=1.45
sdW=14.1
fwW=1.38
sdS=115.6
fwS=1.43
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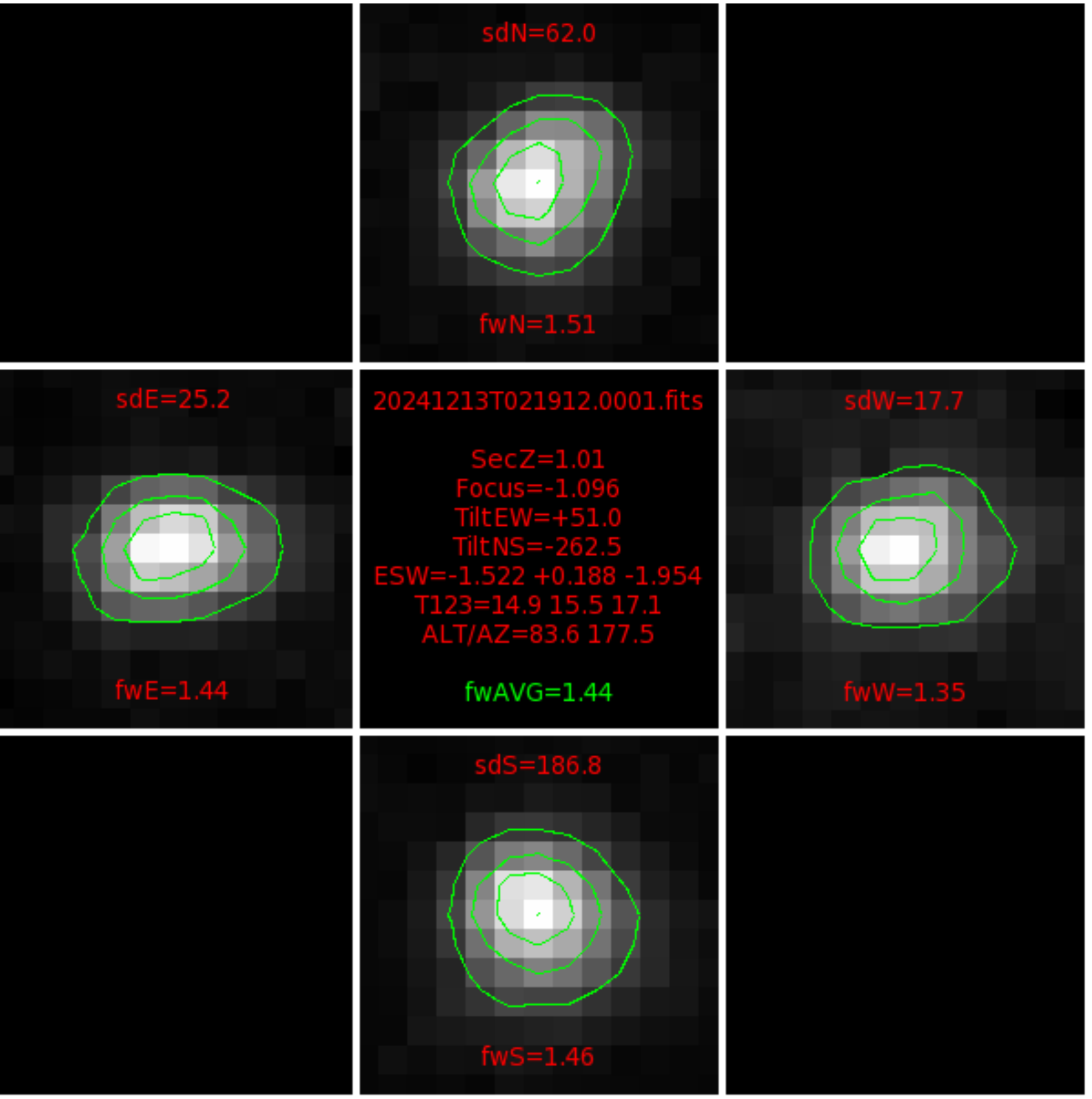
sdN=62.0
fwN=1.51
sdE=25.2
fwE=1.44
20241213T021912.0001.fits
SecZ=1.01
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.9 15.5 17.1
ALT/AZ=83.6 177.5
fwAVG=1.44
sdW=17.7
fwW=1.35
sdS=186.8
fwS=1.46
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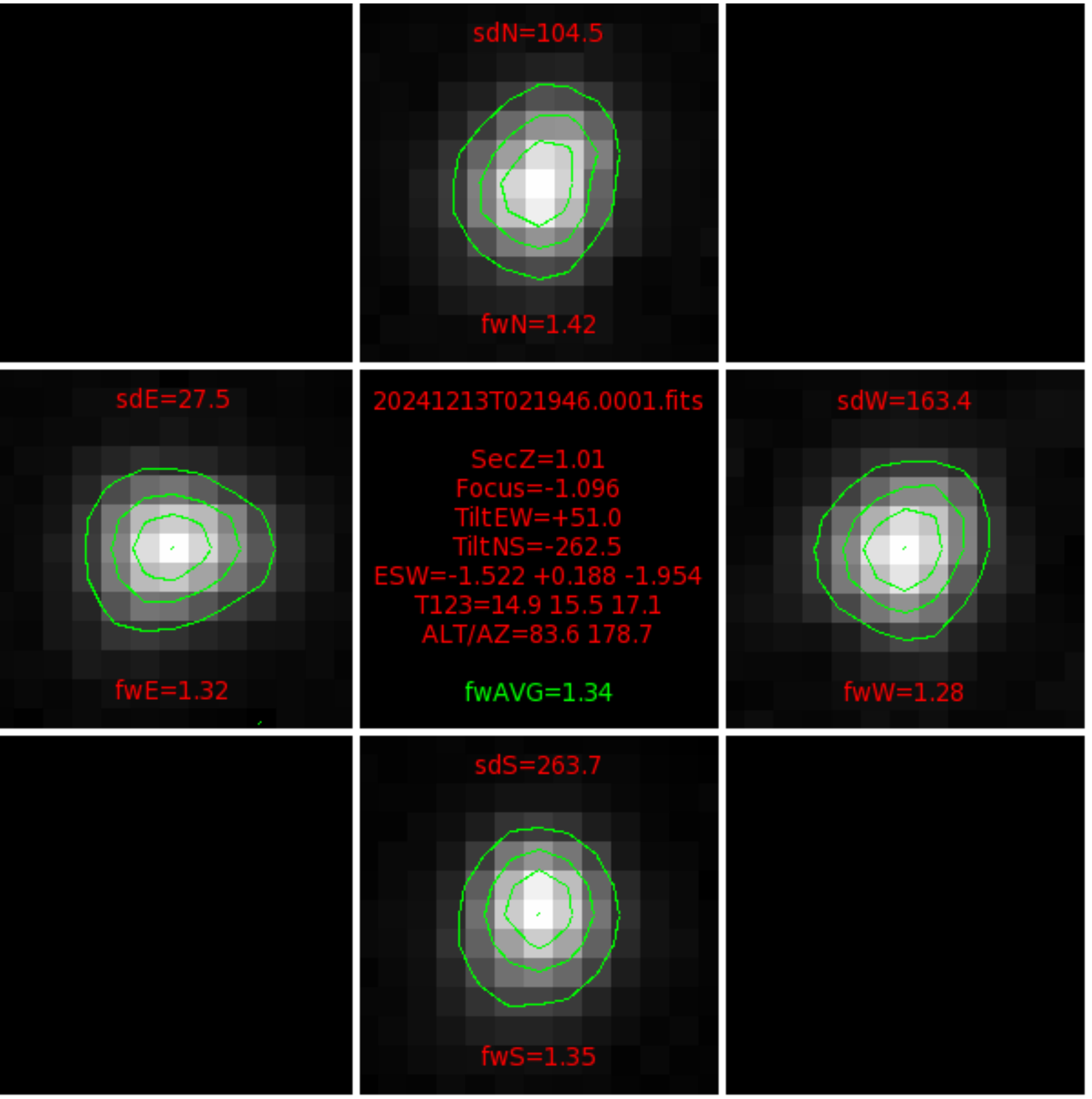
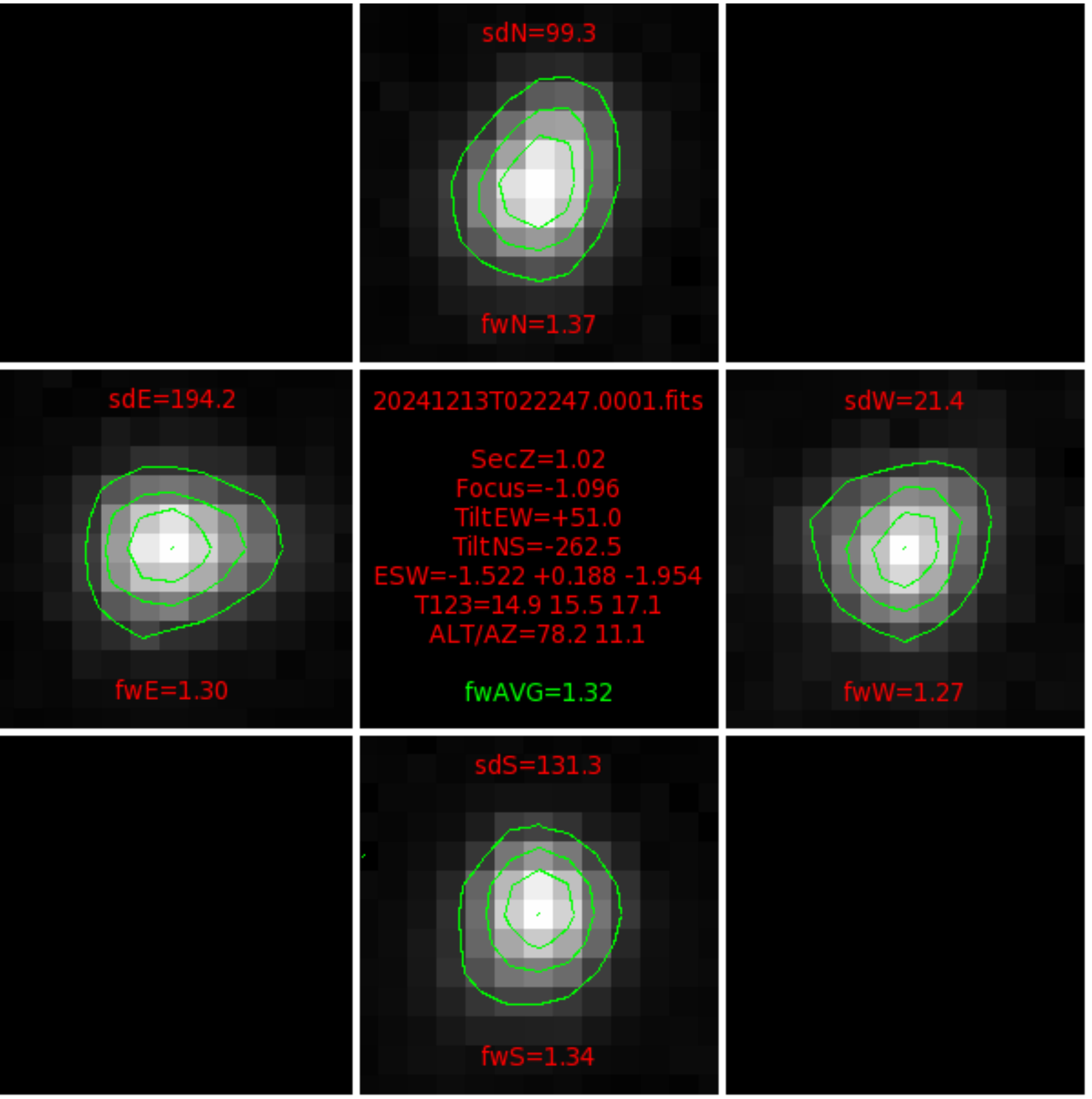
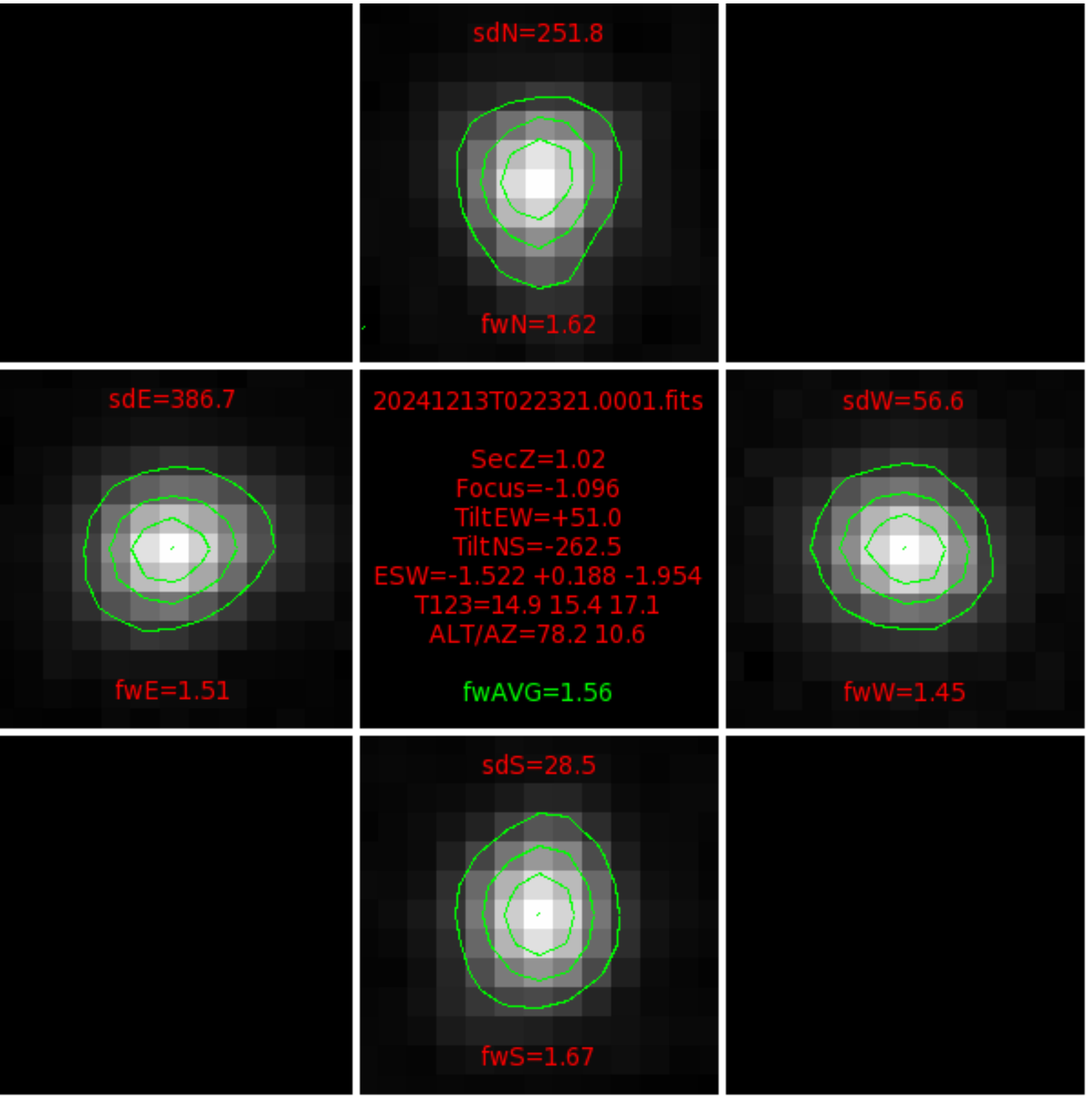
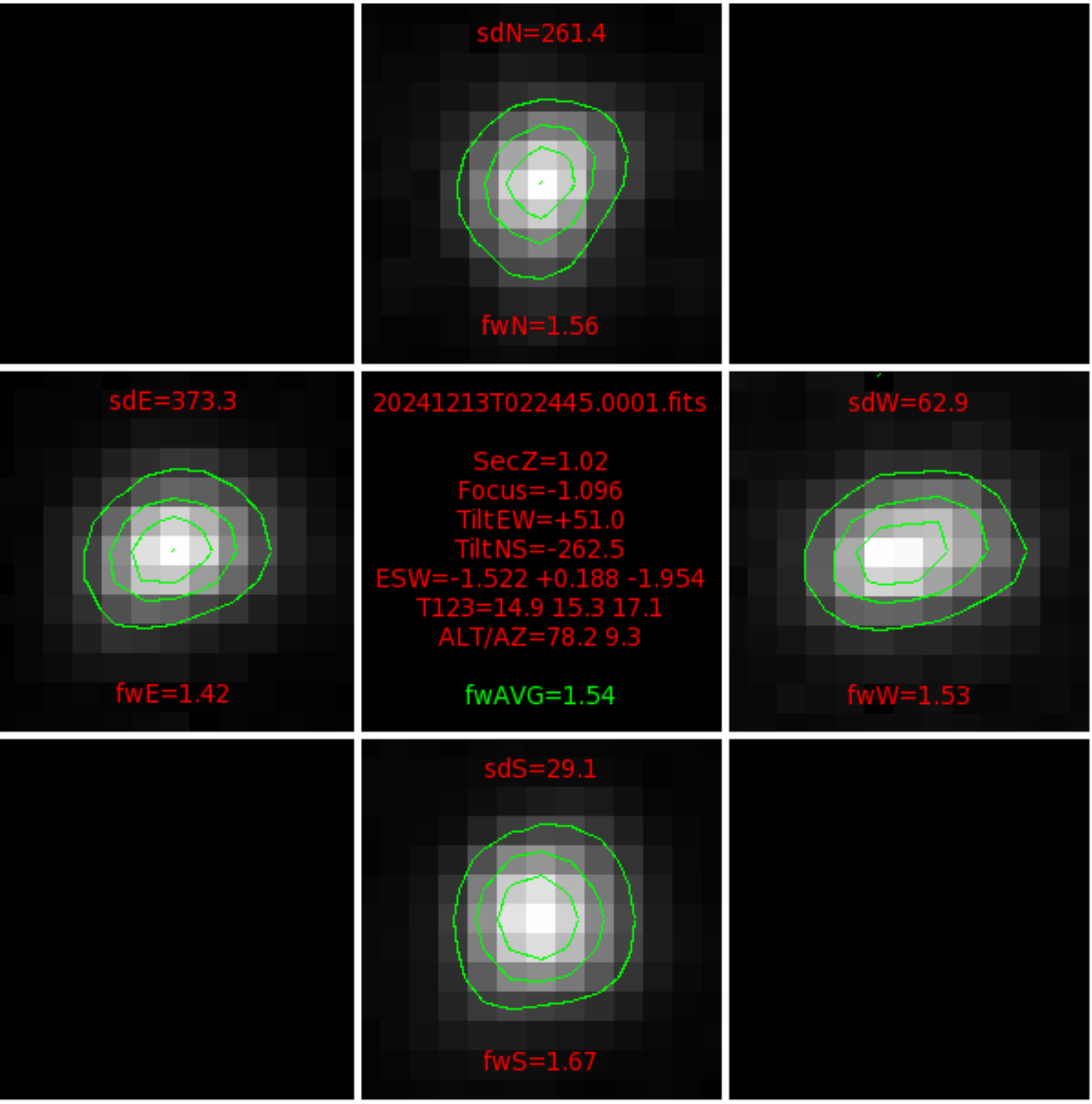

sdN=104.5
fwN=1.42
sdE=27.5
fwE=1.32
20241213T021946.0001.fits
SecZ=1.01
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.9 15.5 17.1
ALT/AZ=83.6 178.7
fwAVG=1.34
sdW=163.4
fwW=1.28
sdS=263.7
fwS=1.35
0 0 0 0 0 0 0 0 0


sdN=99.3
fwN=1.37
sdE=194.2
fwE=1.30
20241213T022247.0001.fits
SecZ=1.02
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.9 15.5 17.1
ALT/AZ=78.2 11.1
fwAVG=1.32
sdW=21.4
fwW=1.27
sdS=131.3
fwS=1.34
0 0 0 0 0 0 0 0 0


sdN=251.8
fwN=1.62
sdE=386.7
fwE=1.51
20241213T022321.0001.fits
SecZ=1.02
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.9 15.4 17.1
ALT/AZ=78.2 10.6
fwAVG=1.56
sdW=56.6
fwW=1.45
sdS=28.5
fwS=1.67
0 0 0 0 0 0 0 0 0


sdN=261.4
fwN=1.56
sdE=373.3
fwE=1.42
20241213T022445.0001.fits
SecZ=1.02
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.9 15.3 17.1
ALT/AZ=78.2 9.3
fwAVG=1.54
sdW=62.9
fwW=1.53
sdS=29.1
fwS=1.67
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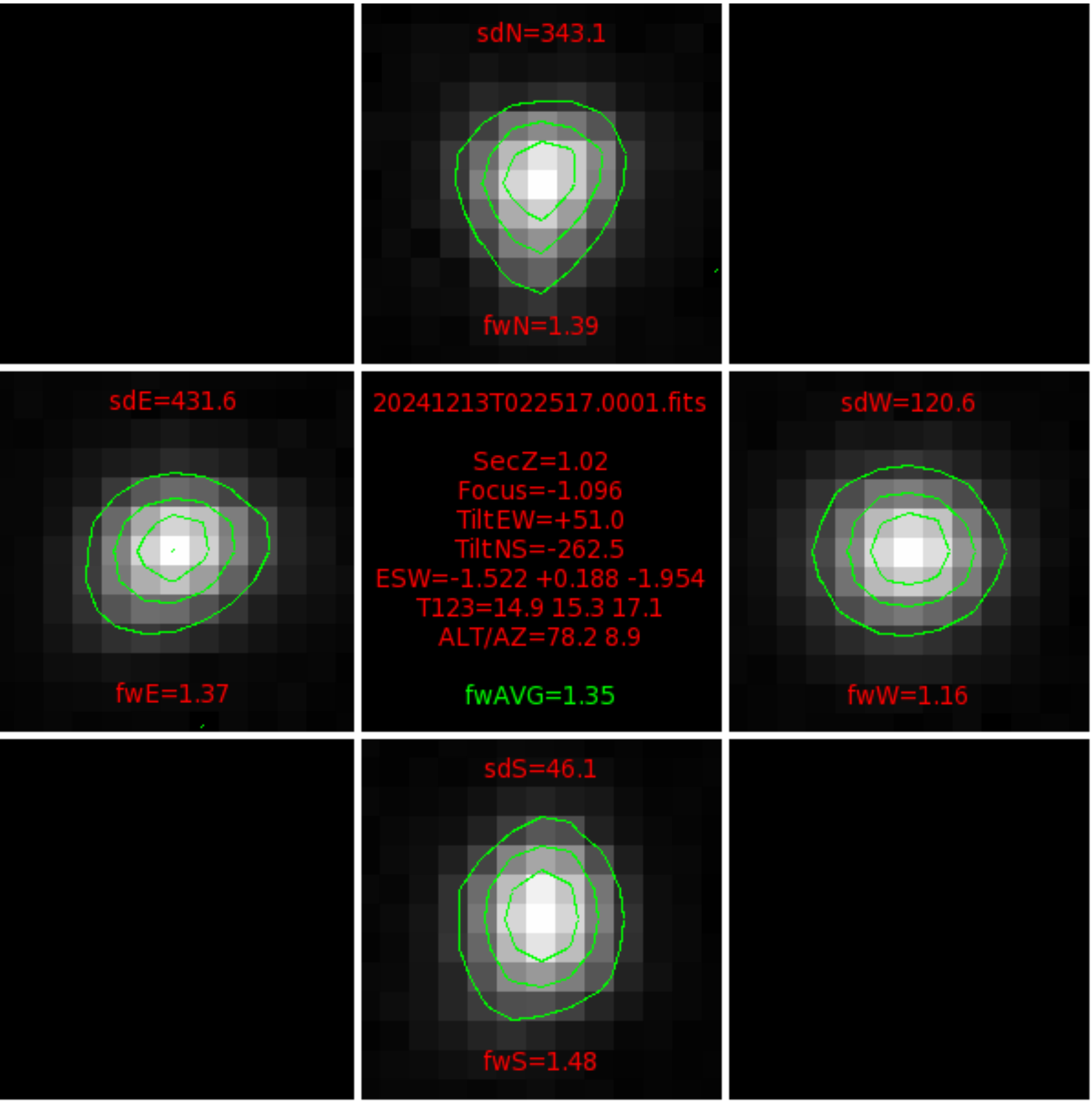
sdN=343.1
fwN=1.39
sdE=431.6
fwE=1.37
20241213T022517.0001.fits
SecZ=1.02
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.9 15.3 17.1
ALT/AZ=78.2 8.9
fwAVG=1.35
sdW=120.6
fwW=1.16
sdS=46.1
fwS=1.48
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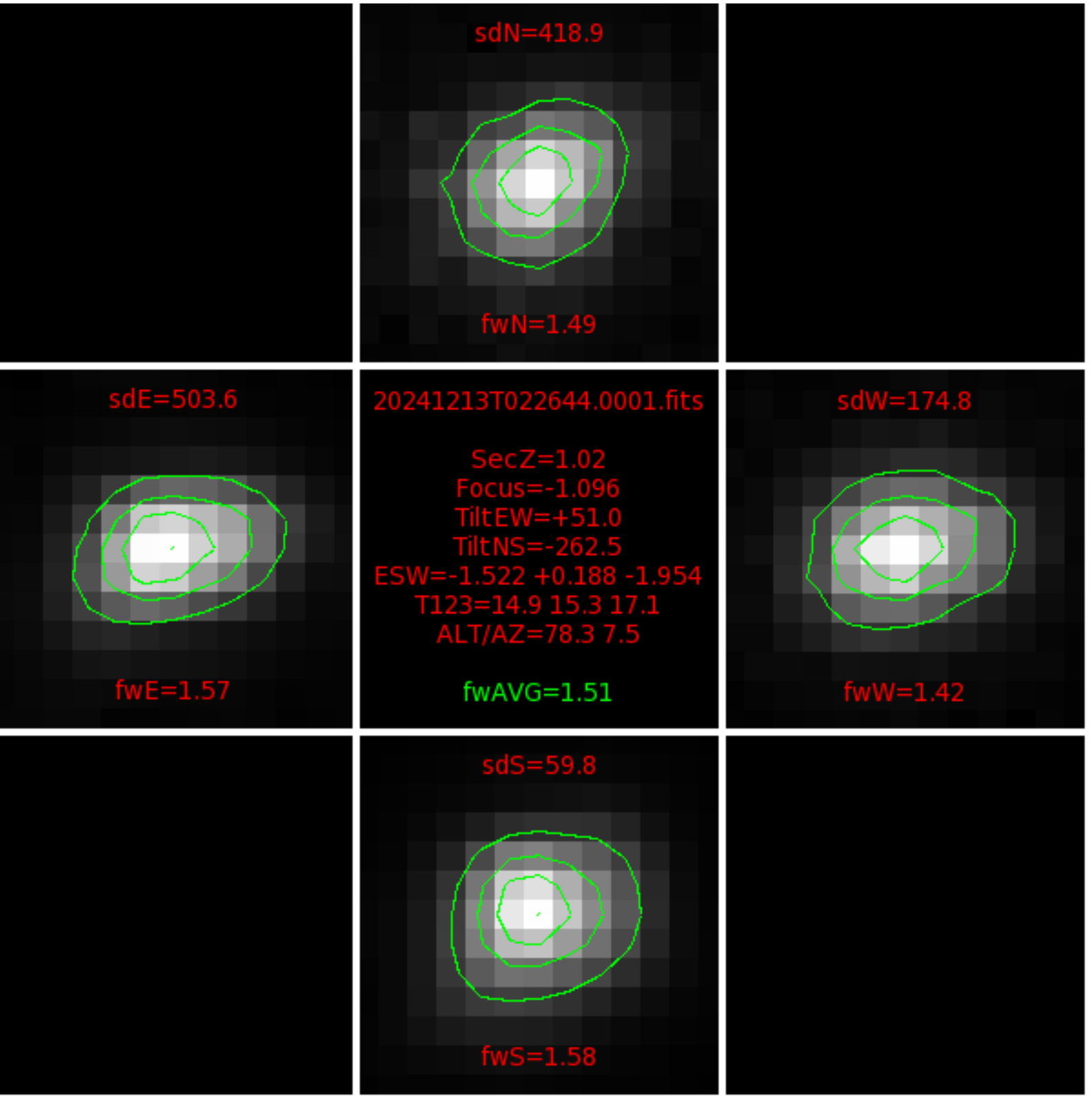
sdN=418.9
fwN=1.49
sdE=503.6
fwE=1.57
20241213T022644.0001.fits
SecZ=1.02
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.9 15.3 17.1
ALT/AZ=78.3 7.5
fwAVG=1.51
sdW=174.8
fwW=1.42
sdS=59.8
fwS=1.58
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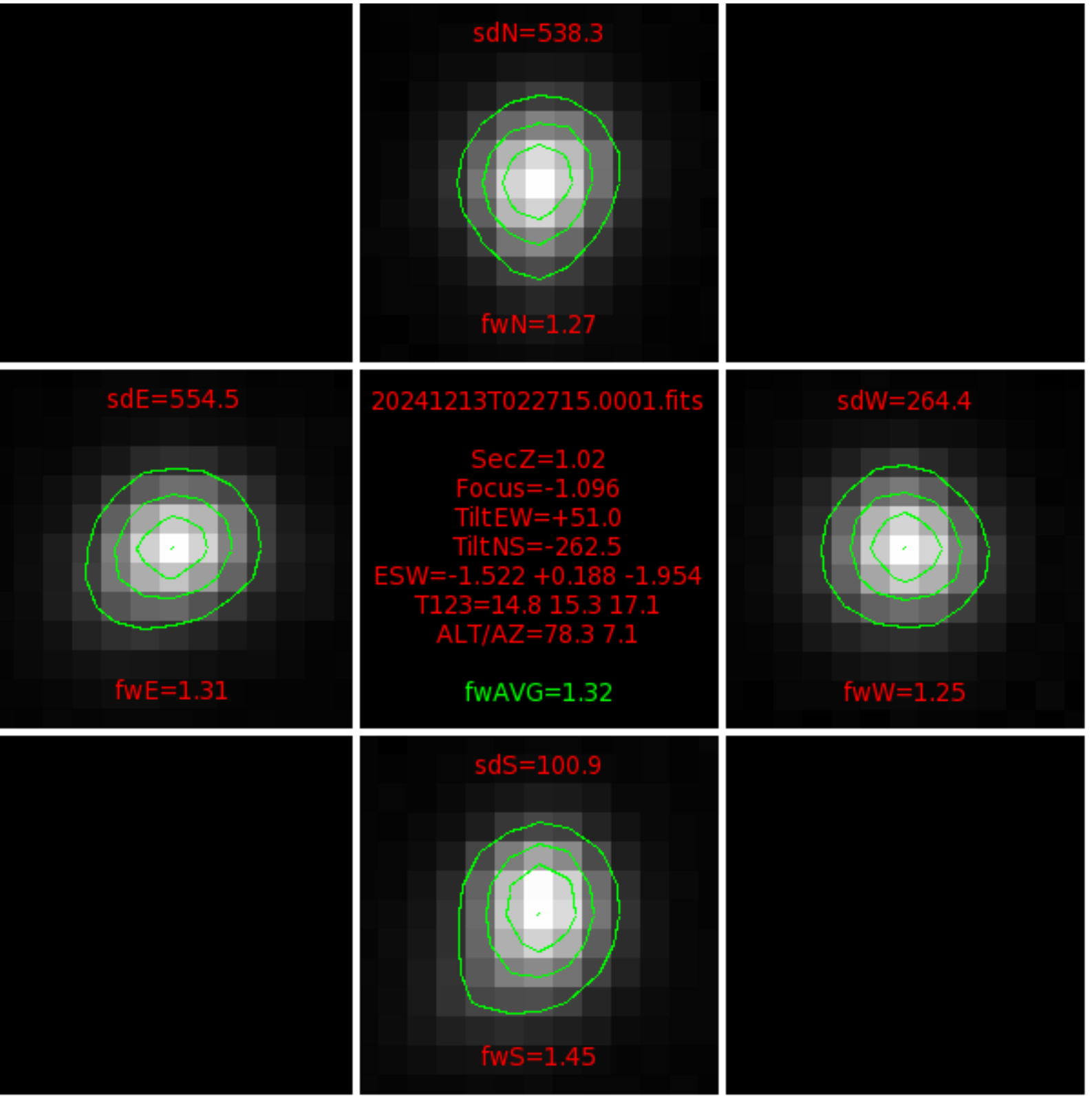
sdN=538.3
fwN=1.27
sdE=554.5
fwE=1.31
20241213T022715.0001.fits
SecZ=1.02
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.8 15.3 17.1
ALT/AZ=78.3 7.1
fwAVG=1.32
sdW=264.4
fwW=1.25
sdS=100.9
fwS=1.45
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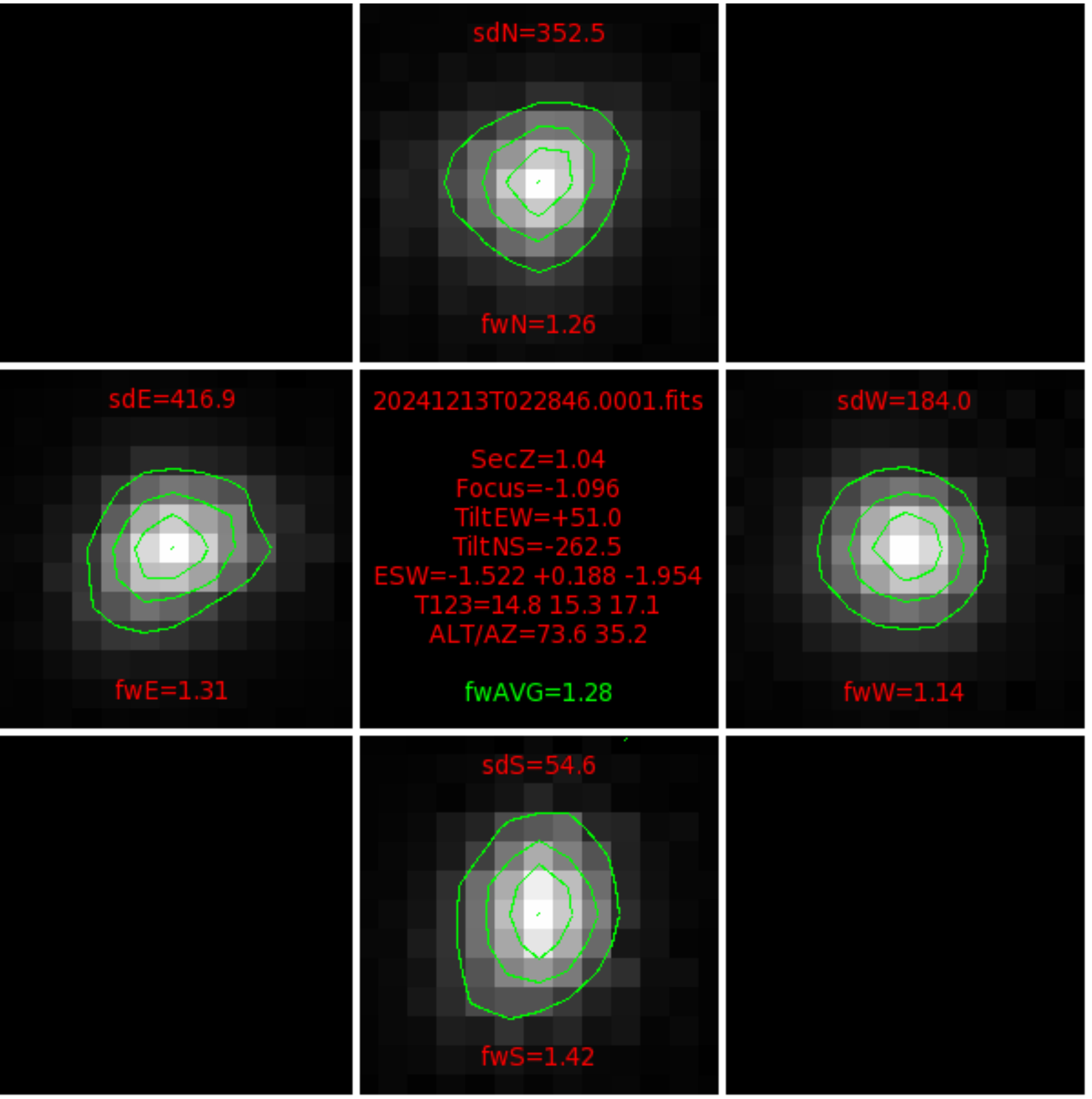
sdN=352.5
fwN=1.26
sdE=416.9
fwE=1.31
20241213T022846.0001.fits
SecZ=1.04
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.8 15.3 17.1
ALT/AZ=73.6 35.2
fwAVG=1.28
sdW=184.0
fwW=1.14
sdS=54.6
fwS=1.42
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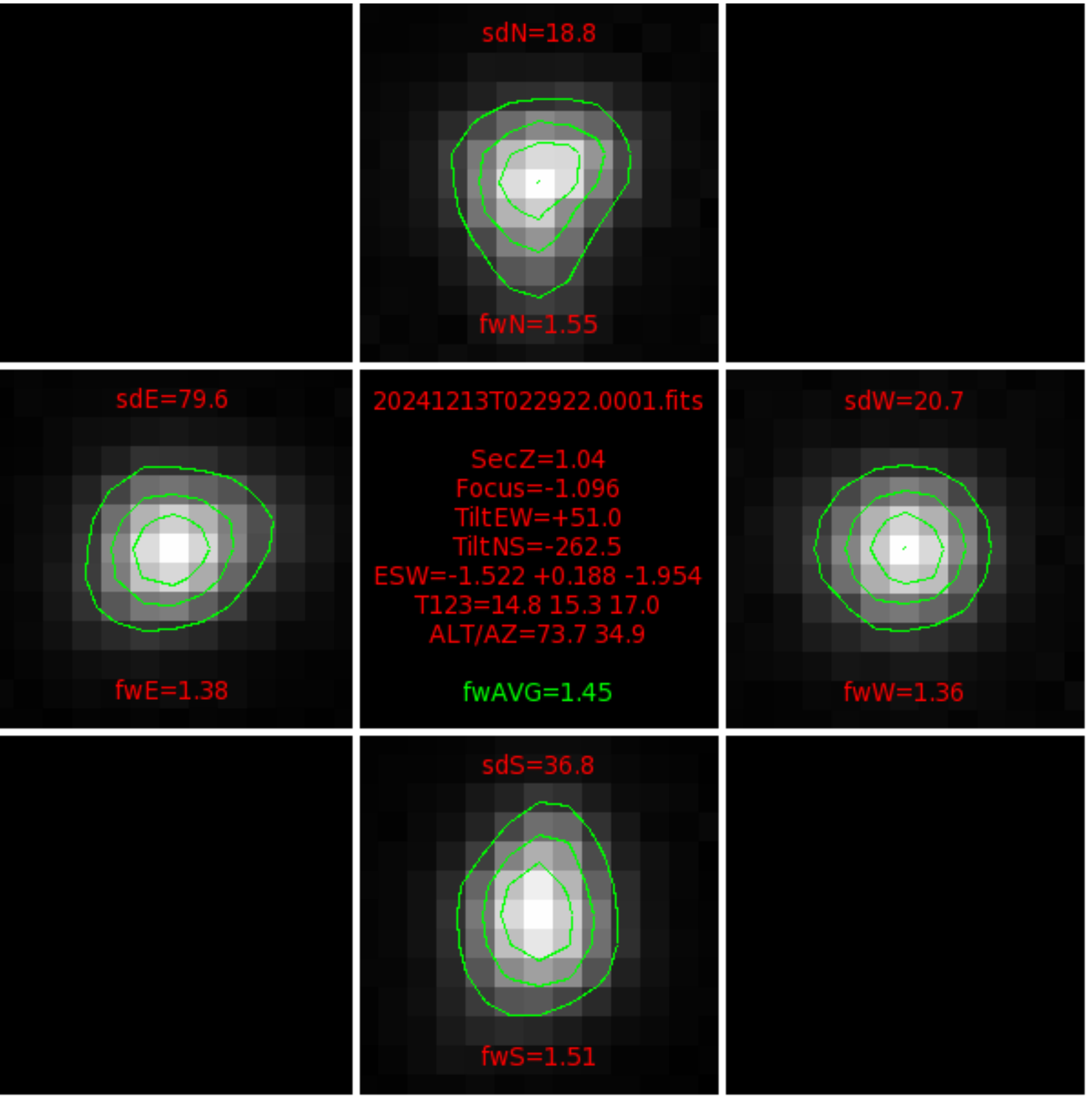
sdN=18.8
fwN=1.55
sdE=79.6
fwE=1.38
20241213T022922.0001.fits
SecZ=1.04
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.8 15.3 17.0
ALT/AZ=73.7 34.9
fwAVG=1.45
sdW=20.7
fwW=1.36
sdS=36.8
fwS=1.51
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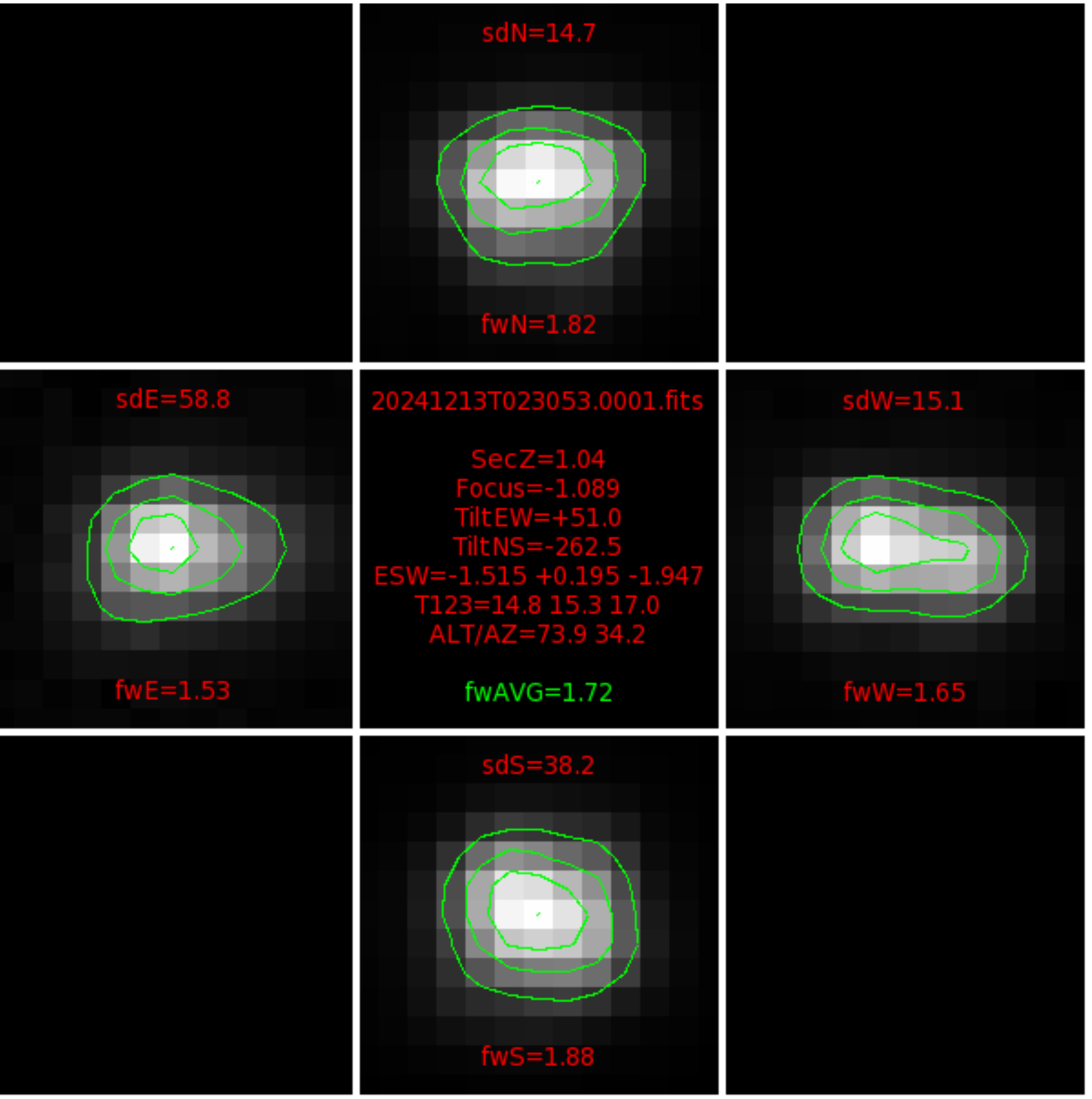
sdN=14.7
fwN=1.82
sdE=58.8
fwE=1.53
20241213T023053.0001.fits
SecZ=1.04
Focus=-1.089
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.515 +0.195 -1.947
T123=14.8 15.3 17.0
ALT/AZ=73.9 34.2
fwAVG=1.72
sdW=15.1
fwW=1.65
sdS=38.2
fwS=1.88
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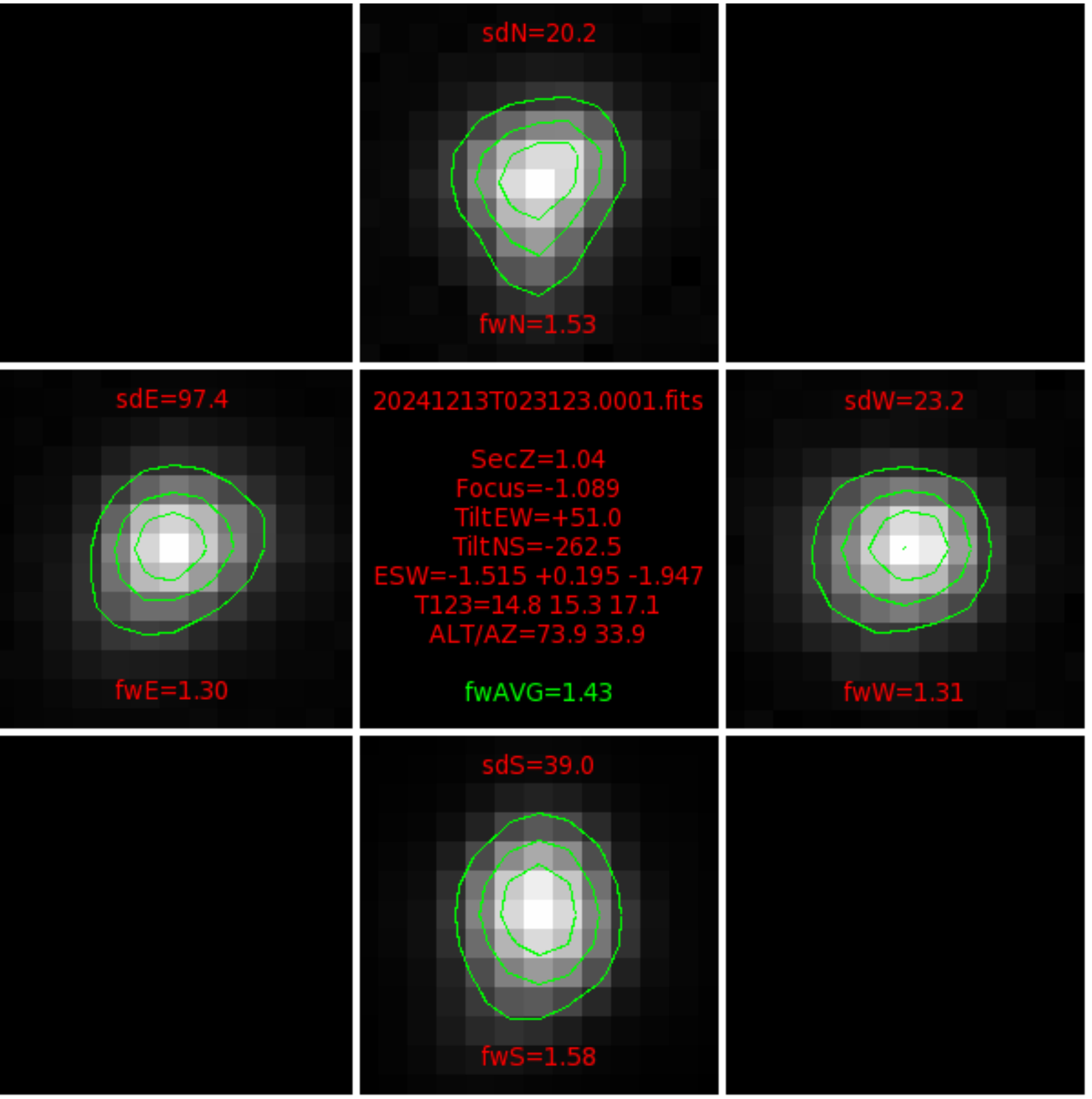
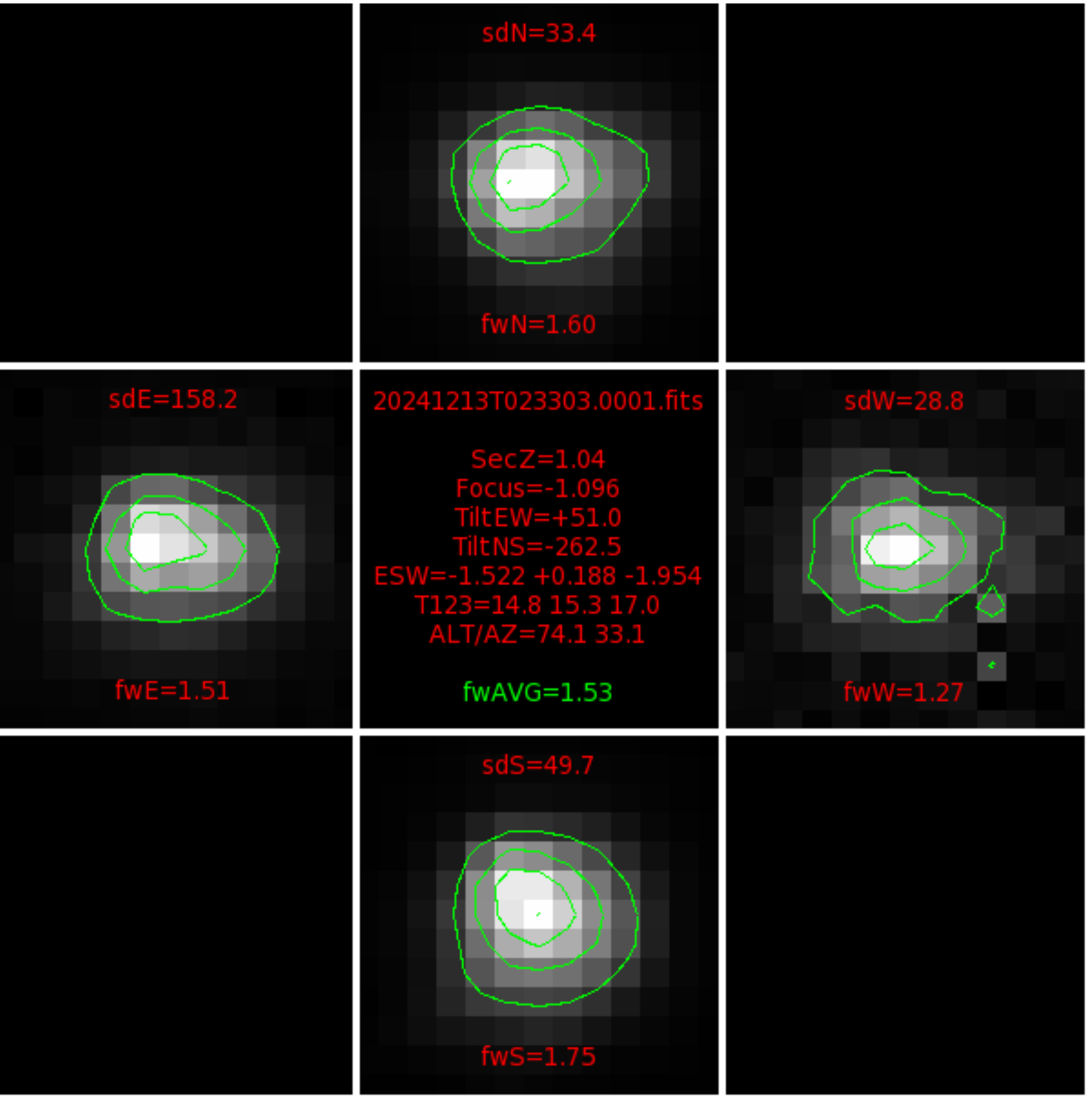

sdN=20.2
fwN=1.53
sdE=97.4
fwE=1.30
20241213T023123.0001.fits
SecZ=1.04
Focus=-1.089
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.515 +0.195 -1.947
T123=14.8 15.3 17.1
ALT/AZ=73.9 33.9
fwAVG=1.43
sdW=23.2
fwW=1.31
sdS=39.0
fwS=1.58
0 0 0 0 0 0 0 0 0


sdN=33.4
fwN=1.60
sdE=158.2
fwE=1.51
20241213T023303.0001.fits
SecZ=1.04
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.8 15.3 17.0
ALT/AZ=74.1 33.1
fwAVG=1.53
sdW=28.8
fwW=1.27
sdS=49.7
fwS=1.75
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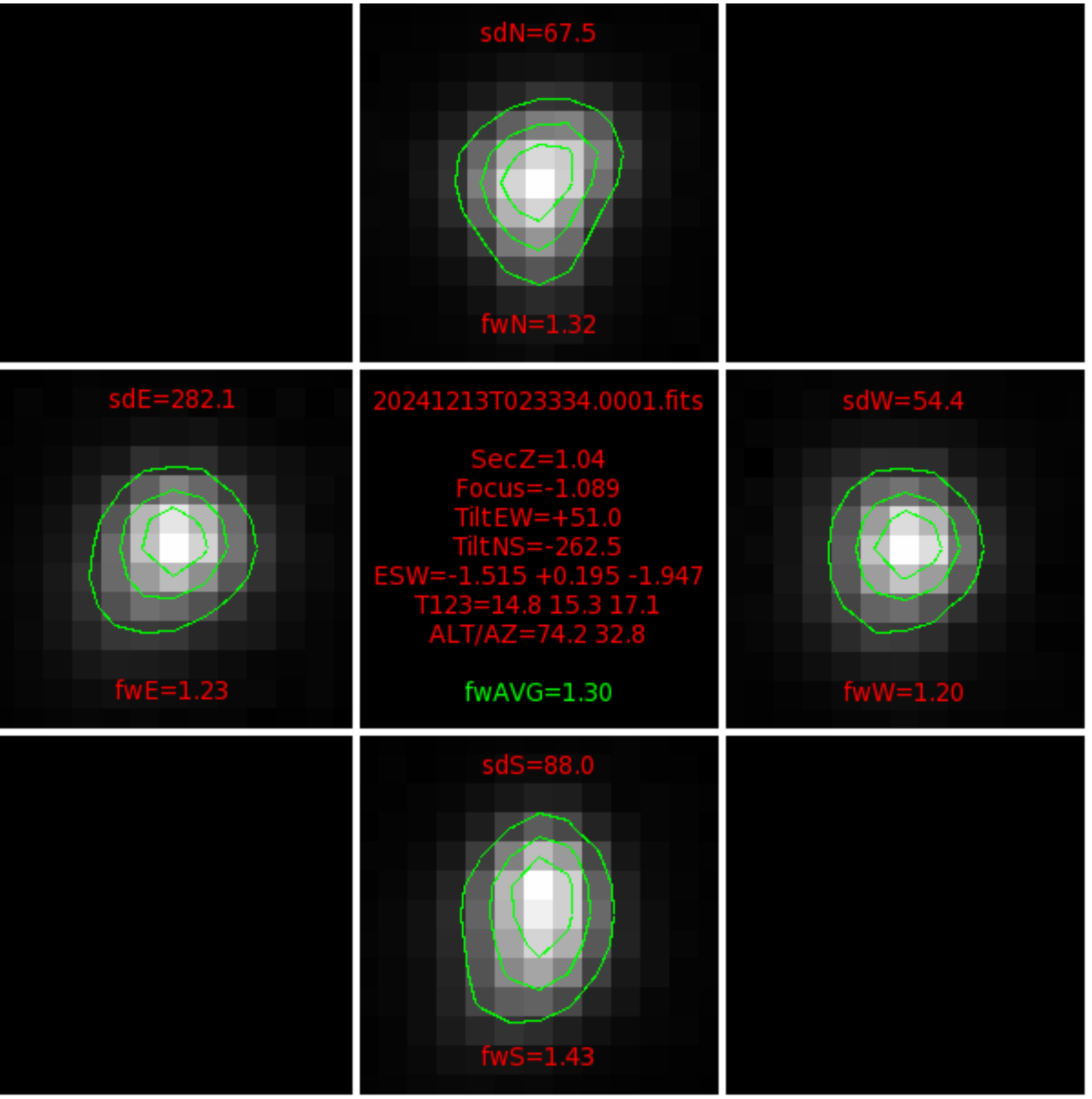
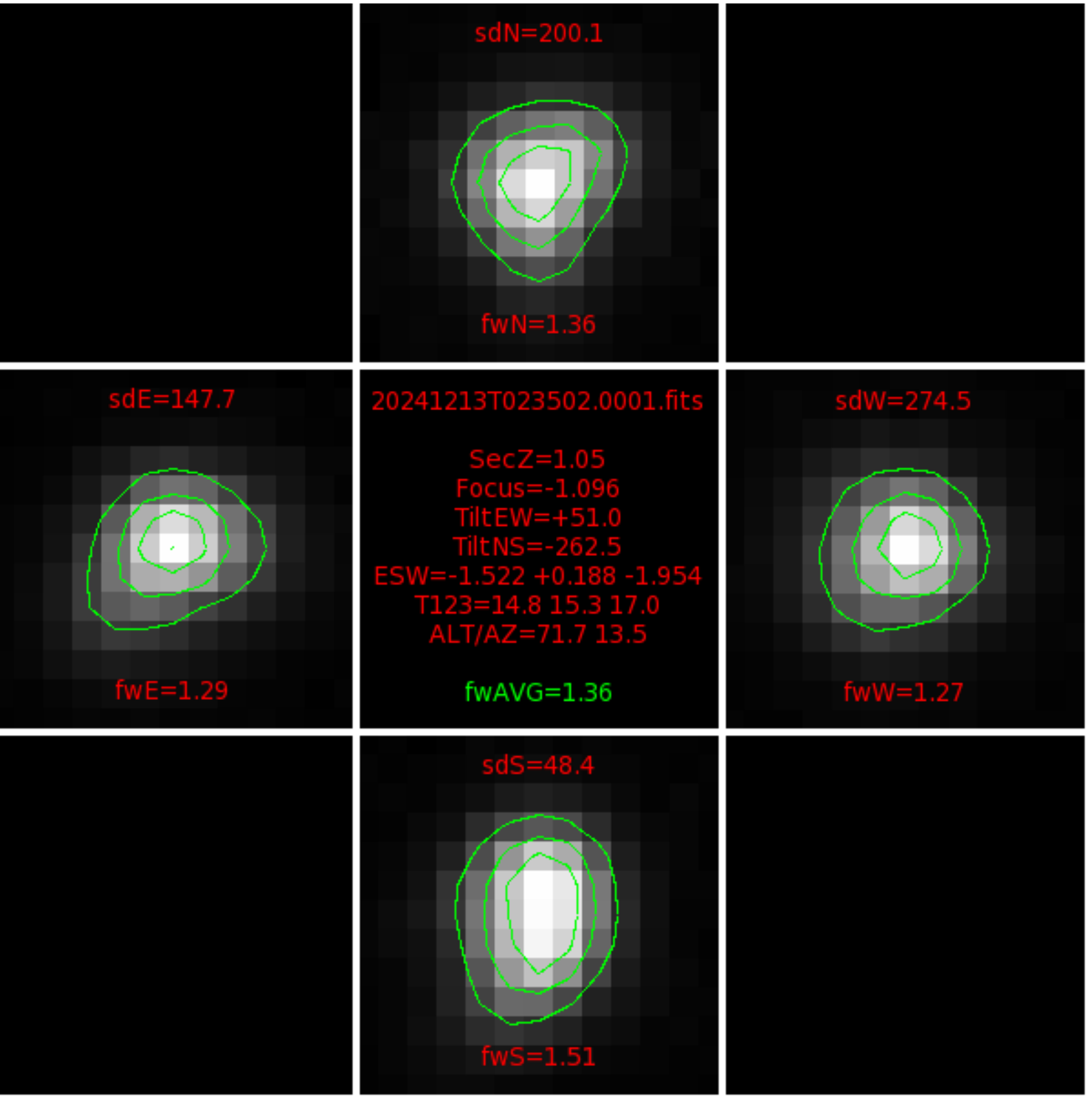

sdN=67.5
fwN=1.32
sdE=282.1
fwE=1.23
20241213T023334.0001.fits
SecZ=1.04
Focus=-1.089
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.515 +0.195 -1.947
T123=14.8 15.3 17.1
ALT/AZ=74.2 32.8
fwAVG=1.30
sdW=54.4
fwW=1.20
sdS=88.0
fwS=1.43
0 0 0 0 0 0 0 0 0


sdN=200.1
fwN=1.36
sdE=147.7
fwE=1.29
20241213T023502.0001.fits
SecZ=1.05
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.8 15.3 17.0
ALT/AZ=71.7 13.5
fwAVG=1.36
sdW=274.5
fwW=1.27
sdS=48.4
fwS=1.51
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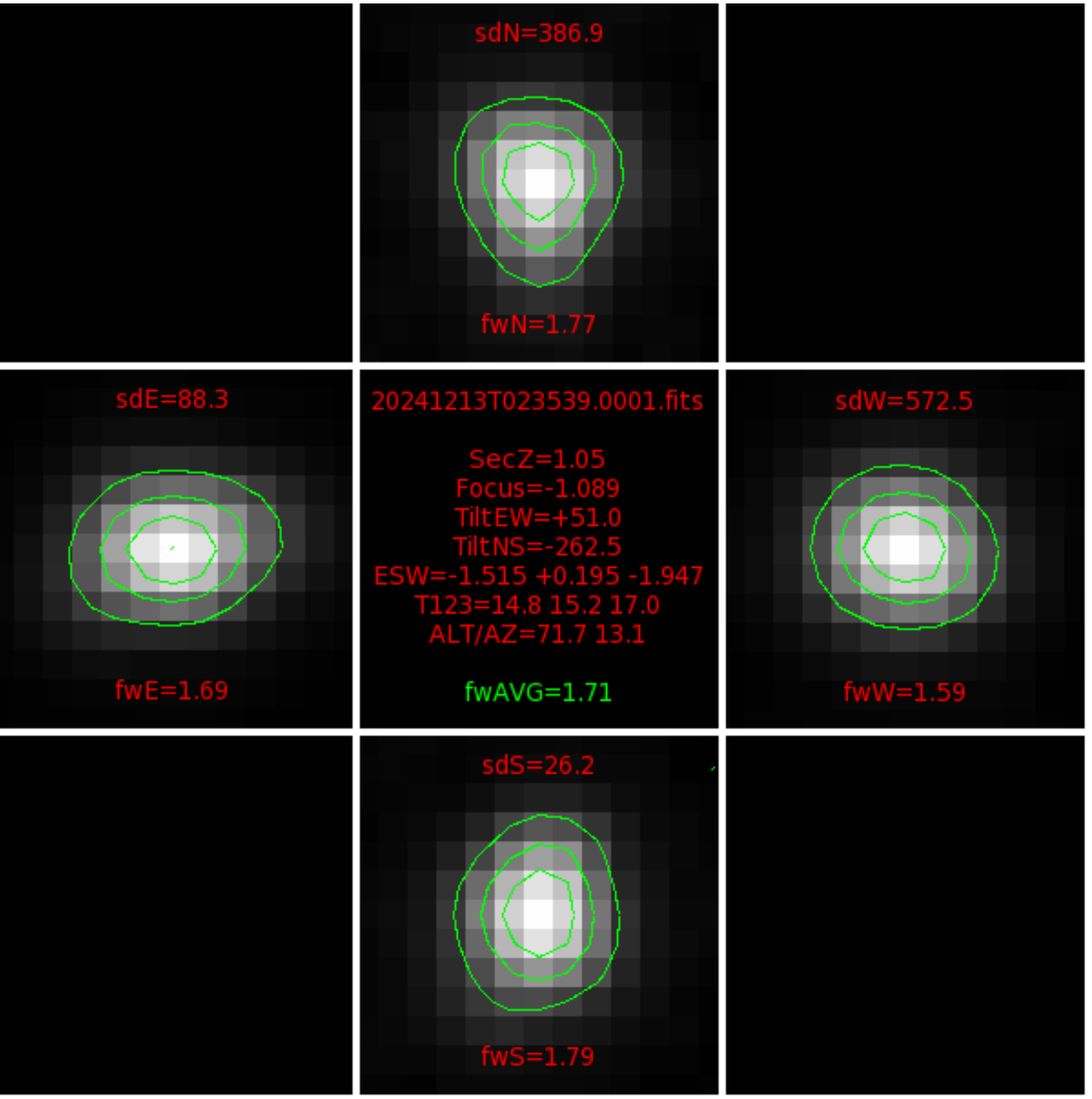
sdN=386.9
fwN=1.77
sdE=88.3
fwE=1.69
20241213T023539.0001.fits
SecZ=1.05
Focus=-1.089
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.515 +0.195 -1.947
T123=14.8 15.2 17.0
ALT/AZ=71.7 13.1
fwAVG=1.71
sdW=572.5
fwW=1.59
sdS=26.2
fwS=1.79
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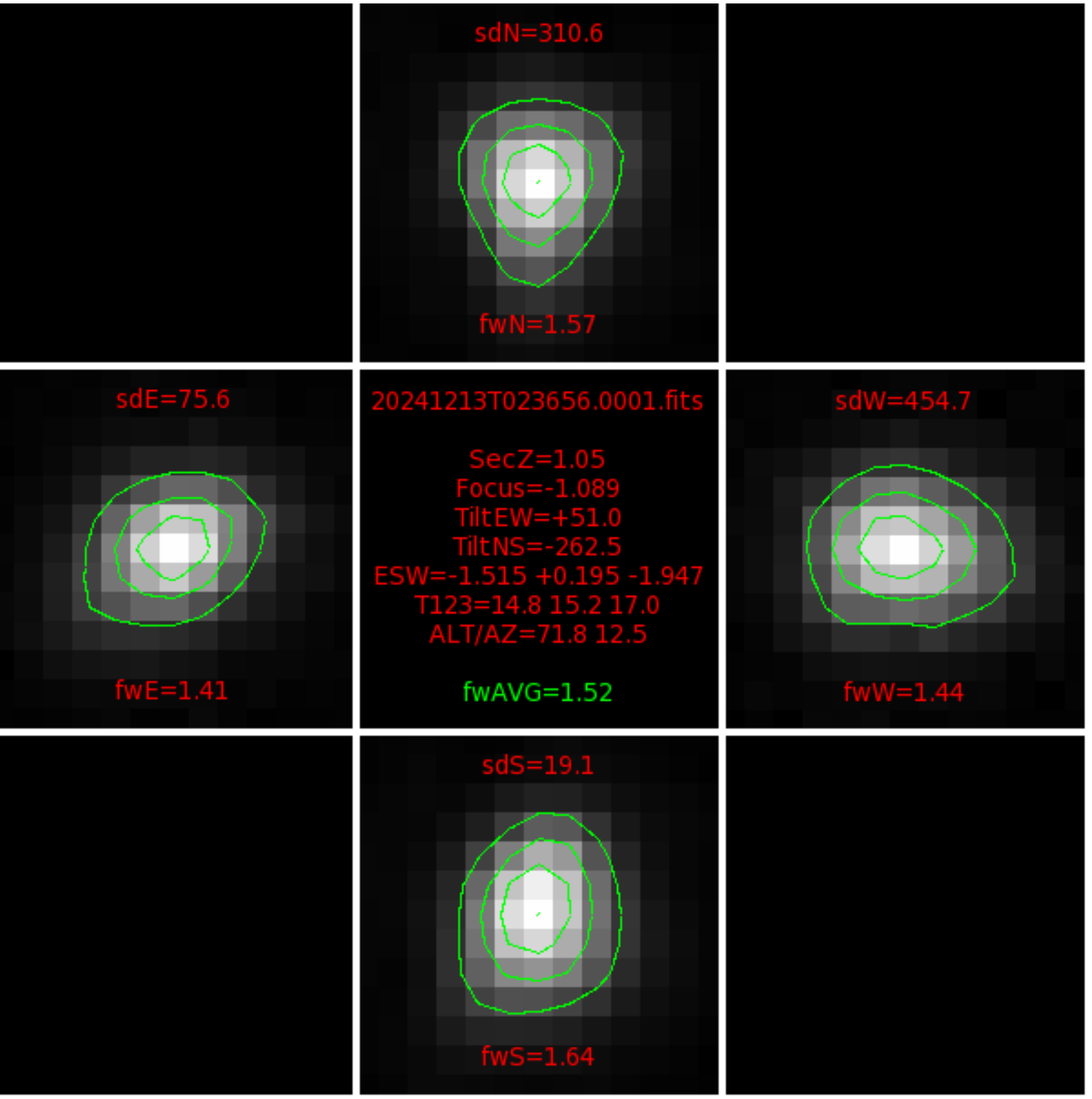
sdN=310.6
fwN=1.57
sdE=75.6
fwE=1.41
20241213T023656.0001.fits
SecZ=1.05
Focus=-1.089
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.515 +0.195 -1.947
T123=14.8 15.2 17.0
ALT/AZ=71.8 12.5
fwAVG=1.52
sdW=454.7
fwW=1.44
sdS=19.1
fwS=1.64
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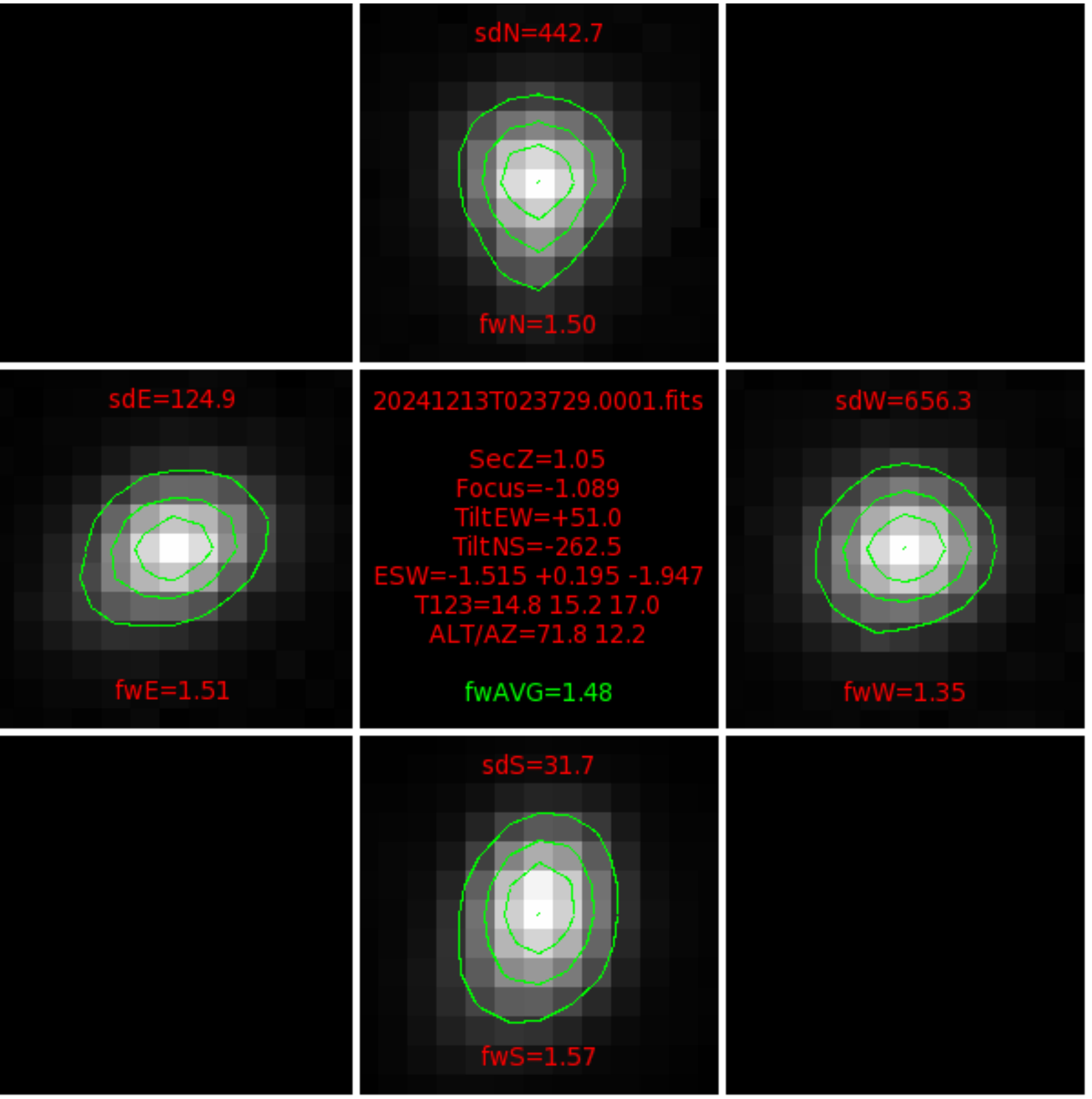
sdN=442.7
fwN=1.50
sdE=124.9
fwE=1.51
20241213T023729.0001.fits
SecZ=1.05
Focus=-1.089
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.515 +0.195 -1.947
T123=14.8 15.2 17.0
ALT/AZ=71.8 12.2
fwAVG=1.48
sdW=656.3
fwW=1.35
sdS=31.7
fwS=1.57
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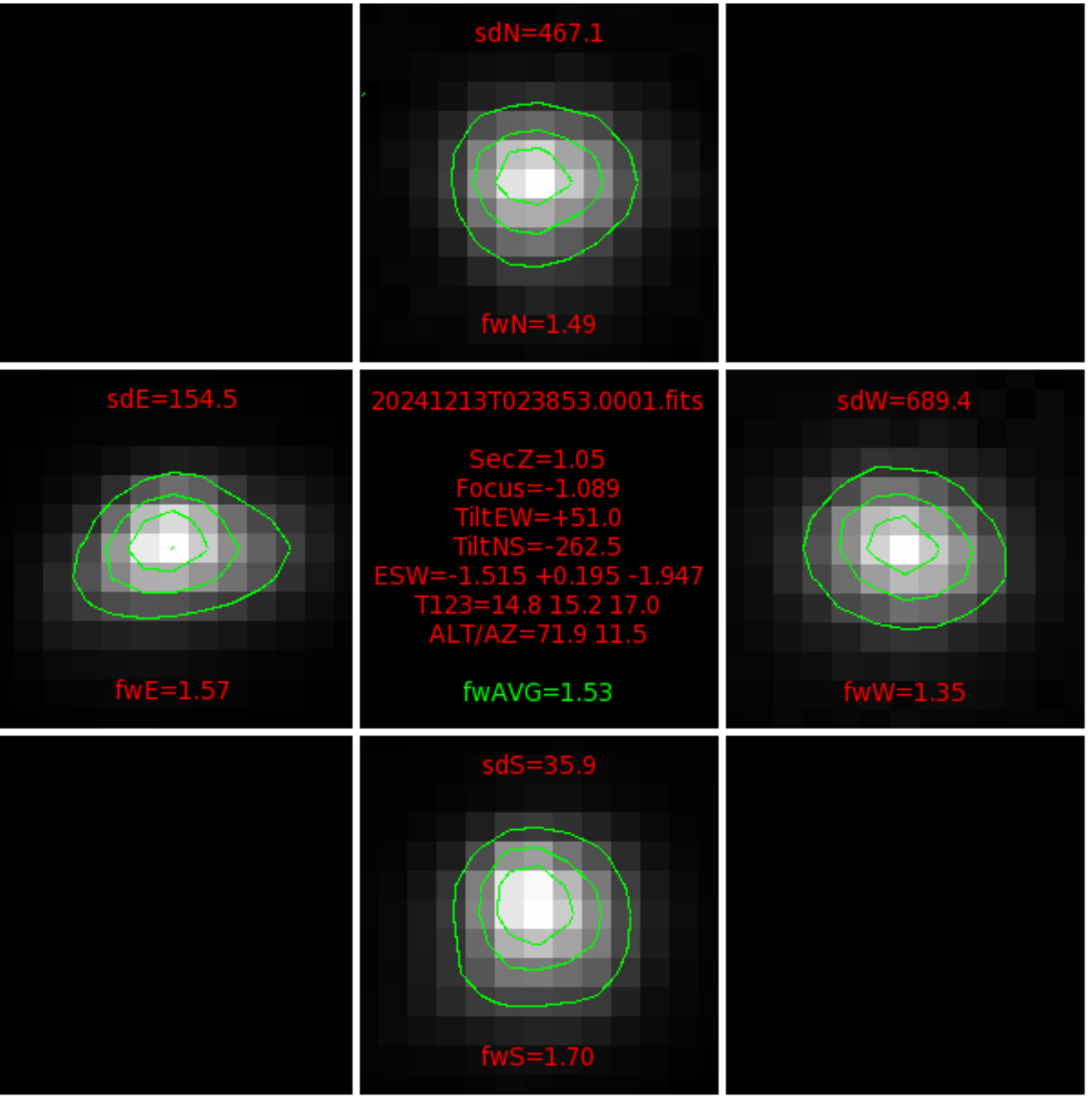
sdN=467.1
fwN=1.49
sdE=154.5
fwE=1.57
20241213T023853.0001.fits
SecZ=1.05
Focus=-1.089
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.515 +0.195 -1.947
T123=14.8 15.2 17.0
ALT/AZ=71.9 11.5
fwAVG=1.53
sdW=689.4
fwW=1.35
sdS=35.9
fwS=1.70
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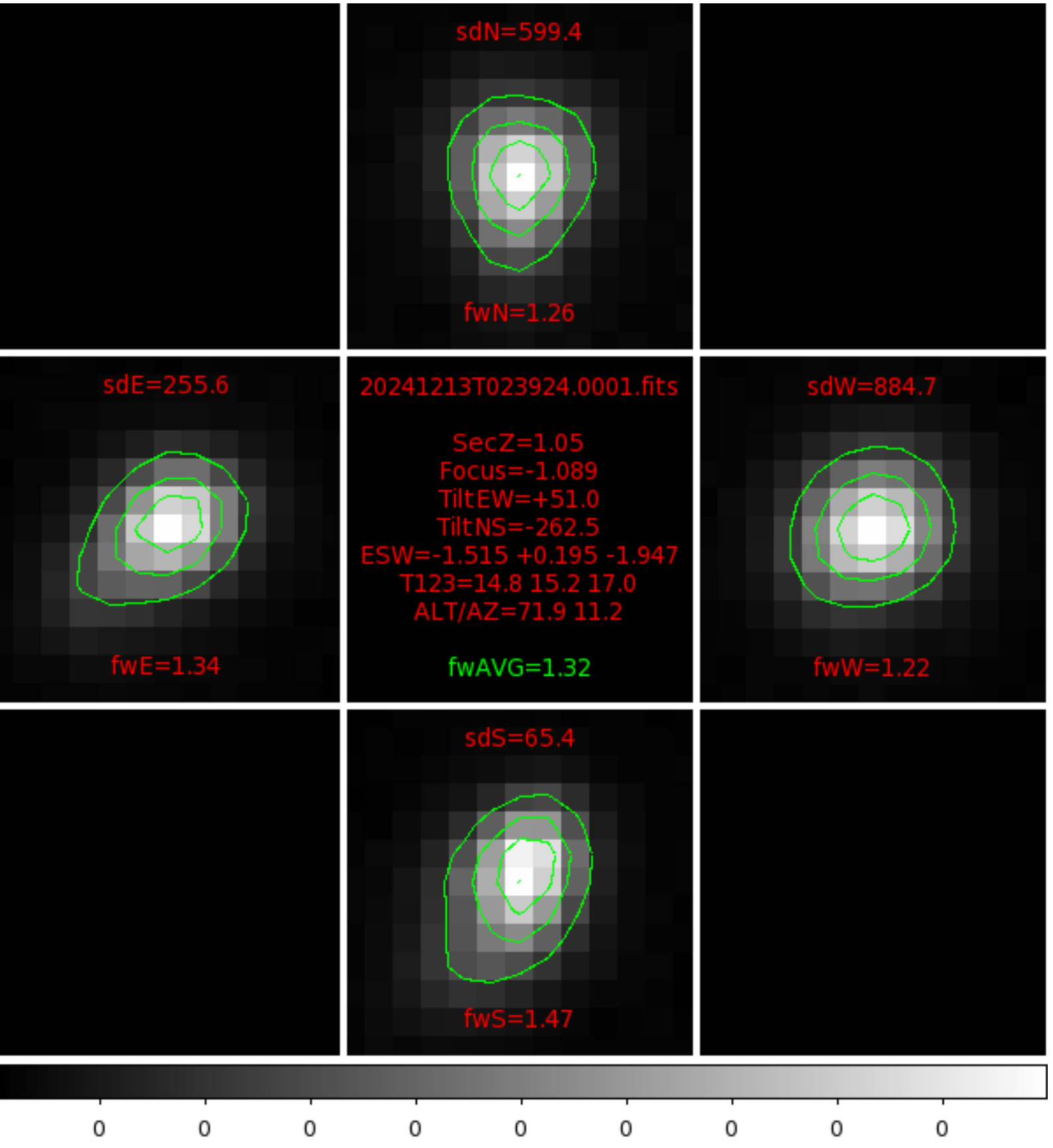
sdN=599.4
fwN=1.26
sdE=255.6
fwE=1.34
20241213T023924.0001.fits
SecZ=1.05
Focus=-1.089
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.515 +0.195 -1.947
T123=14.8 15.2 17.0
ALT/AZ=71.9 11.2
fwAVG=1.32
sdW=884.7
fwW=1.22
sdS=65.4
fwS=1.47
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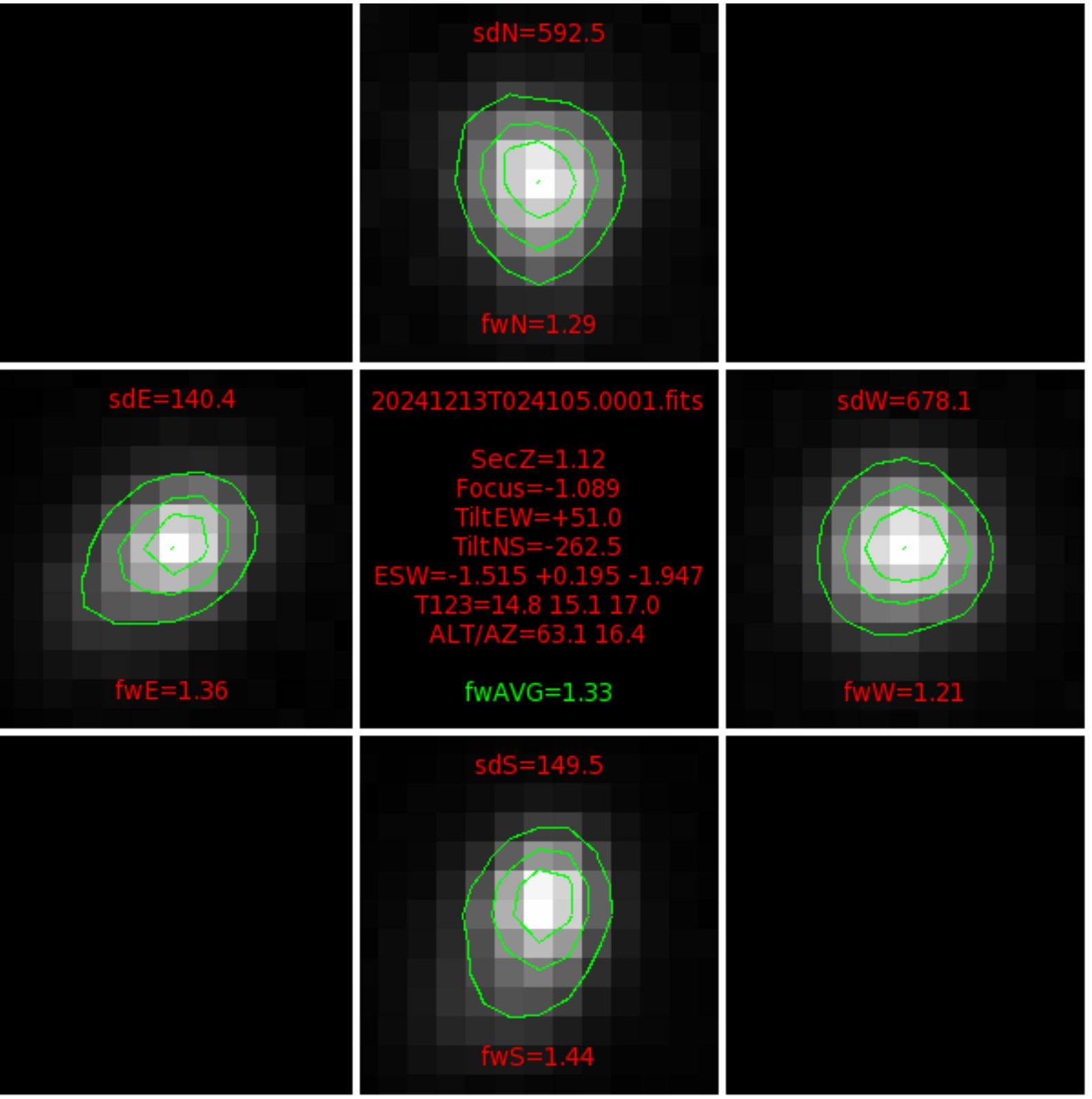
sdN=592.5
fwN=1.29
sdE=140.4
fwE=1.36
20241213T024105.0001.fits
SecZ=1.12
Focus=-1.089
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.515 +0.195 -1.947
T123=14.8 15.1 17.0
ALT/AZ=63.1 16.4
fwAVG=1.33
sdW=678.1
fwW=1.21
sdS=149.5
fwS=1.44
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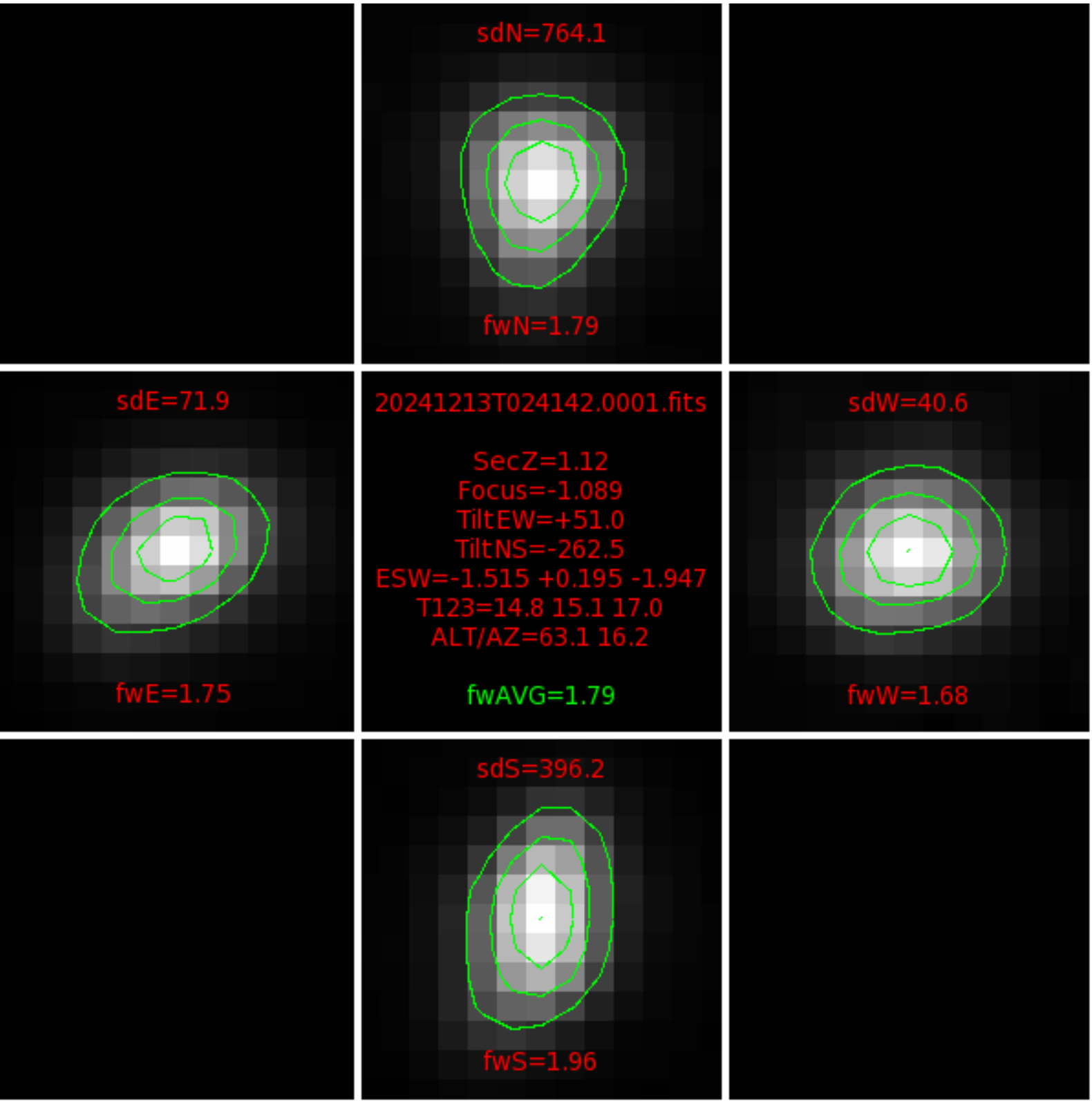
sdN=764.1
fwN=1.79
sdE=71.9
fwE=1.75
20241213T024142.0001.fits
SecZ=1.12
Focus=-1.089
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.515 +0.195 -1.947
T123=14.8 15.1 17.0
ALT/AZ=63.1 16.2
fwAVG=1.79
sdW=40.6
fwW=1.68
sdS=396.2
fwS=1.96
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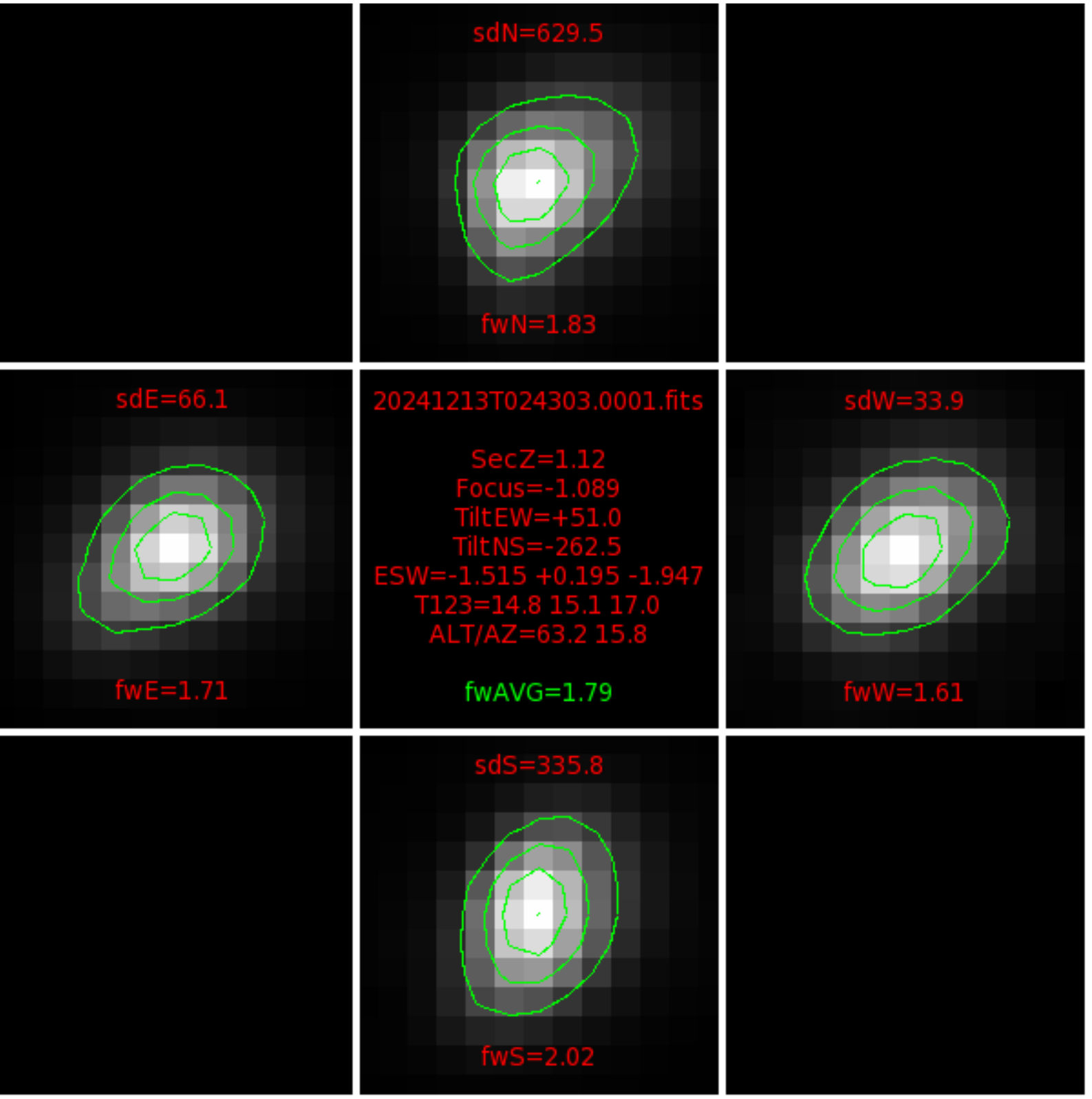
sdN=629.5
fwN=1.83
sdE=66.1
fwE=1.71
20241213T024303.0001.fits
SecZ=1.12
Focus=-1.089
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.515 +0.195 -1.947
T123=14.8 15.1 17.0
ALT/AZ=63.2 15.8
fwAVG=1.79
sdW=33.9
fwW=1.61
sdS=335.8
fwS=2.02
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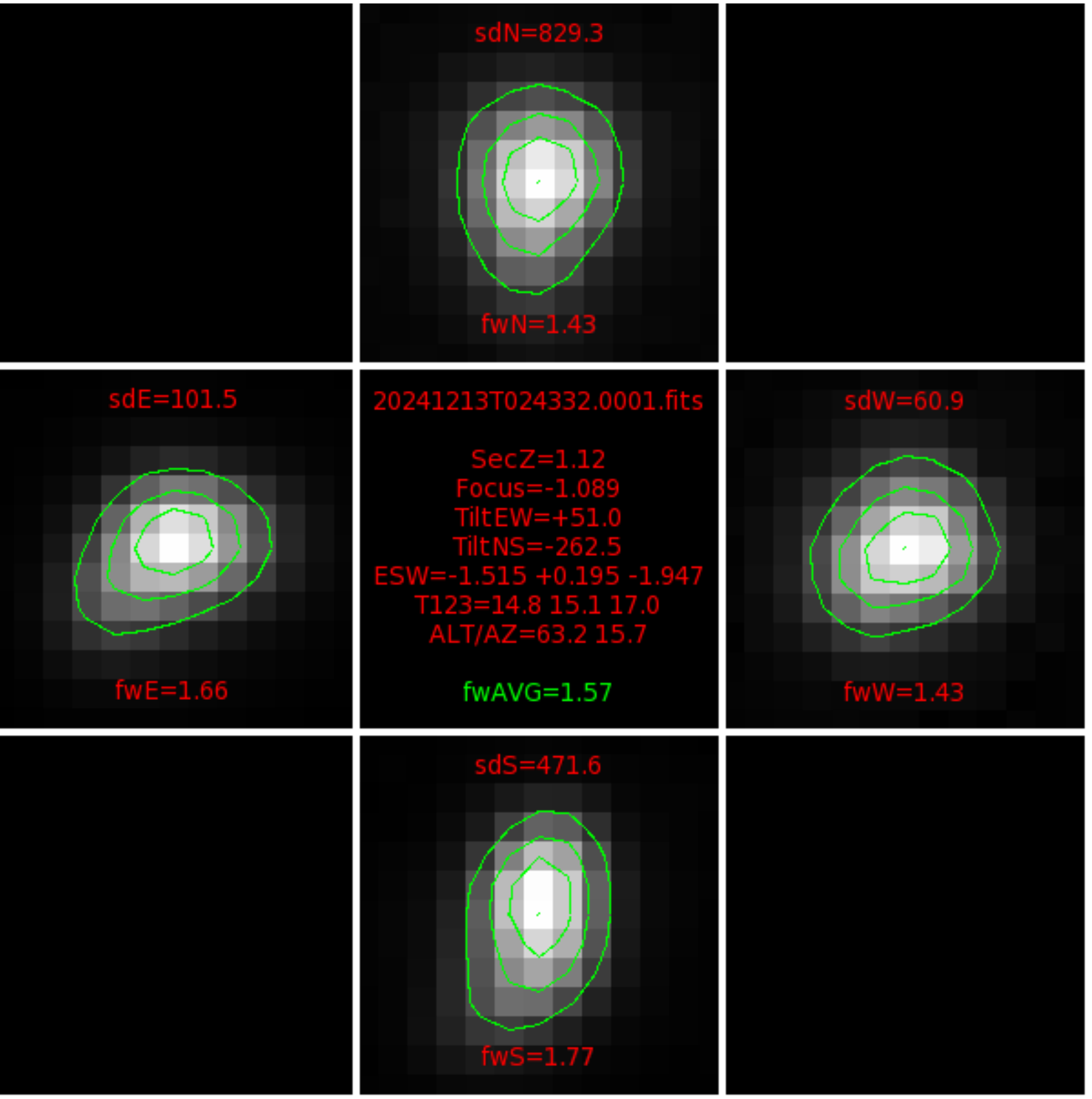
sdN=829.3
fwN=1.43
sdE=101.5
fwE=1.66
20241213T024332.0001.fits
SecZ=1.12
Focus=-1.089
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.515 +0.195 -1.947
T123=14.8 15.1 17.0
ALT/AZ=63.2 15.7
fwAVG=1.57
sdW=60.9
fwW=1.43
sdS=471.6
fwS=1.77
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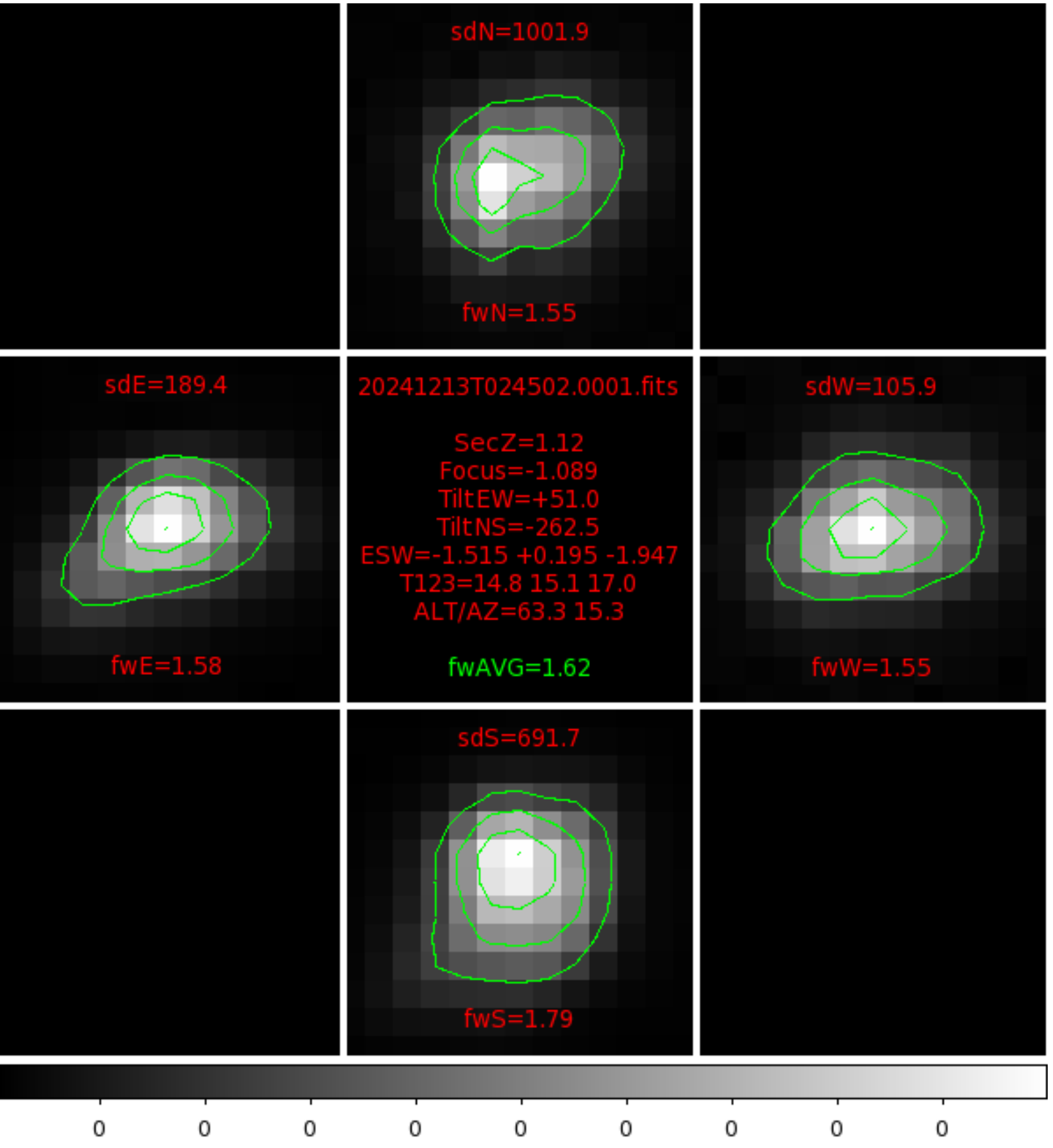
sdN=1001.9
fwN=1.55
sdE=189.4
fwE=1.58
20241213T024502.0001.fits
SecZ=1.12
Focus=-1.089
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.515 +0.195 -1.947
T123=14.8 15.1 17.0
ALT/AZ=63.3 15.3
fwAVG=1.62
sdW=105.9
fwW=1.55
sdS=691.7
fwS=1.79
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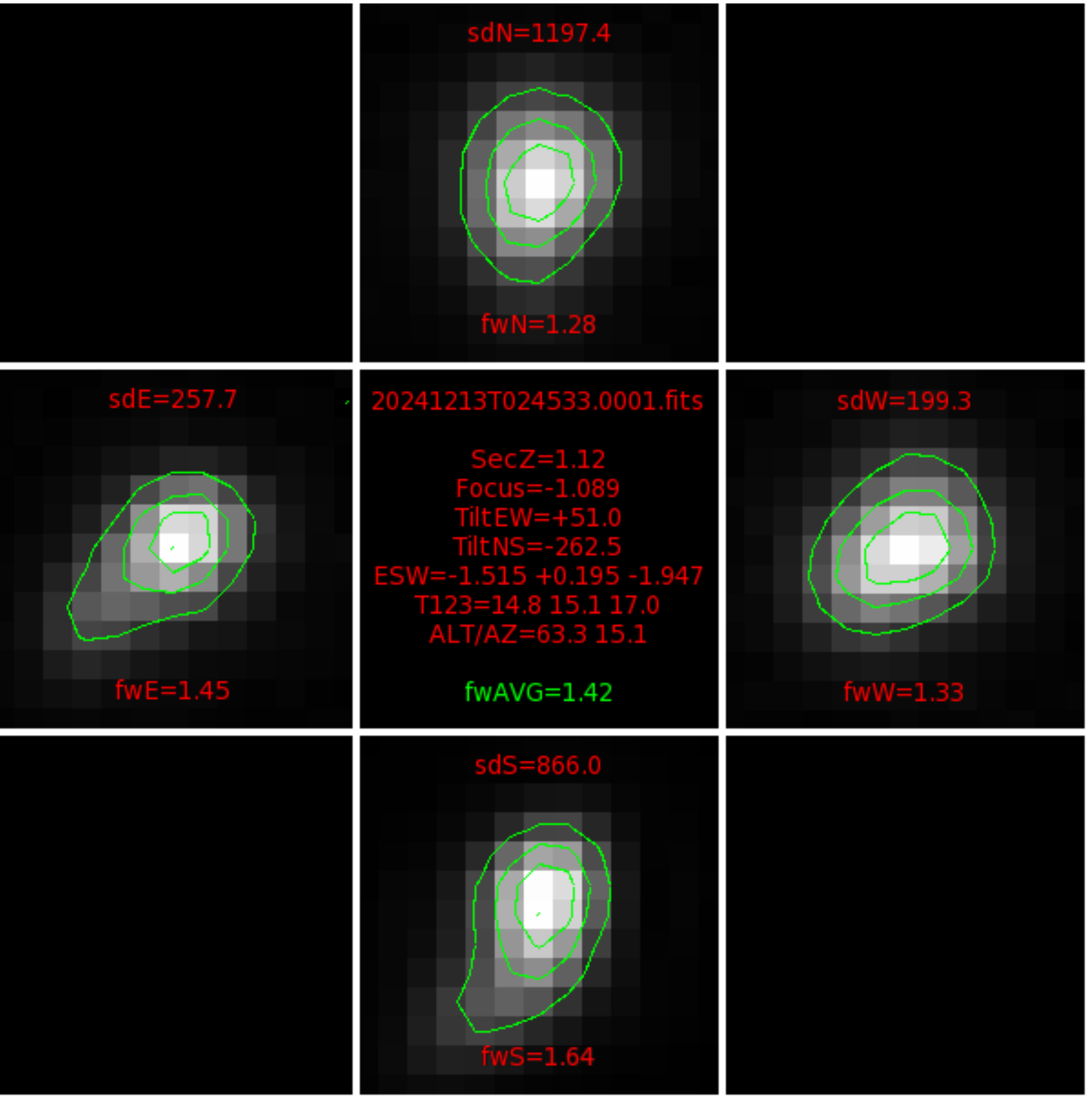
sdN=1197.4
fwN=1.28
sdE=257.7
fwE=1.45
20241213T024533.0001.fits
SecZ=1.12
Focus=-1.089
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.515 +0.195 -1.947
T123=14.8 15.1 17.0
ALT/AZ=63.3 15.1
fwAVG=1.42
sdW=199.3
fwW=1.33
sdS=866.0
fwS=1.64
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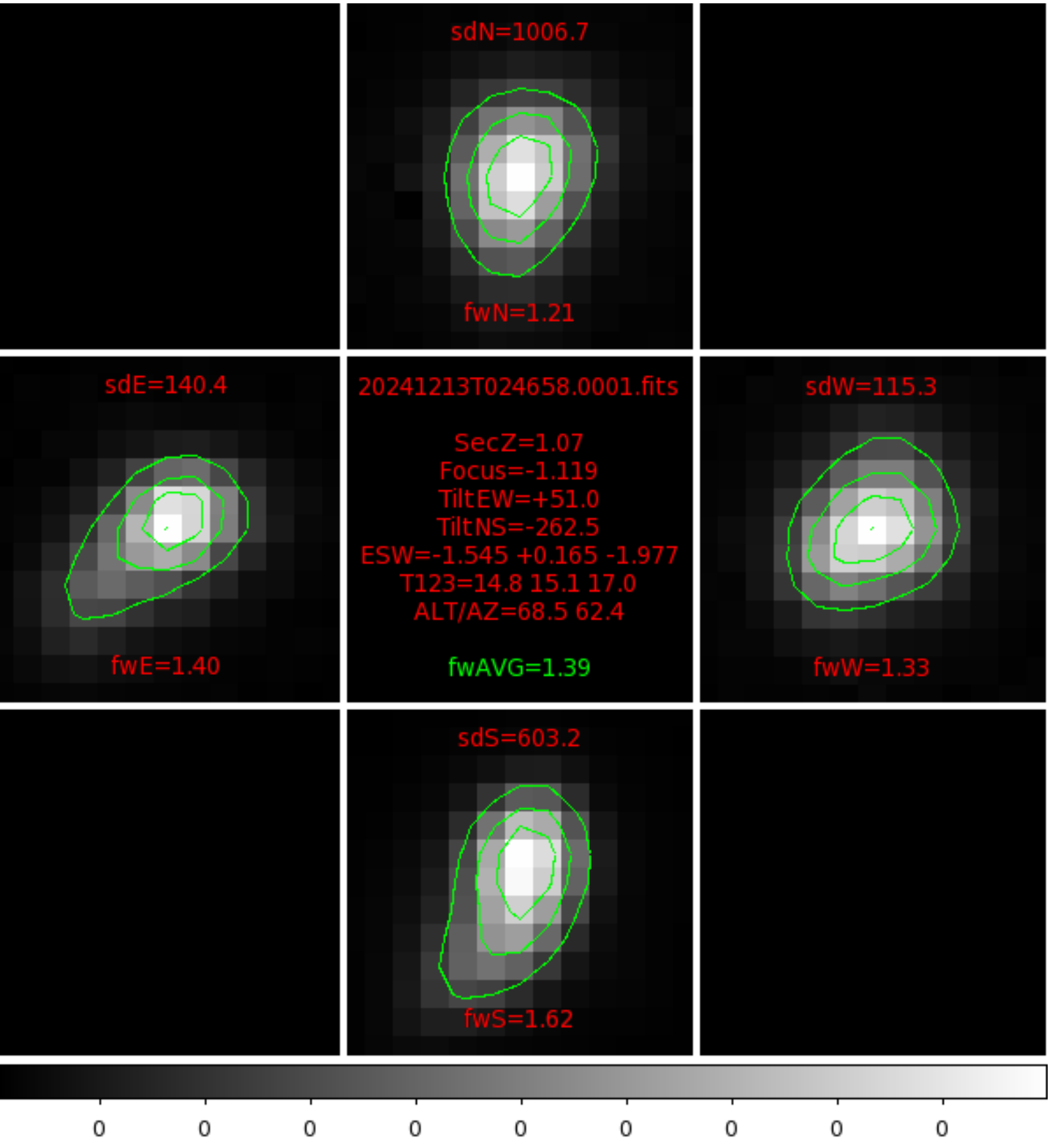
sdN=1006.7
fwN=1.21
sdE=140.4
fwE=1.40
20241213T024658.0001.fits
SecZ=1.07
Focus=-1.119
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.545 +0.165 -1.977
T123=14.8 15.1 17.0
ALT/AZ=68.5 62.4
fwAVG=1.39
sdW=115.3
fwW=1.33
sdS=603.2
fwS=1.62
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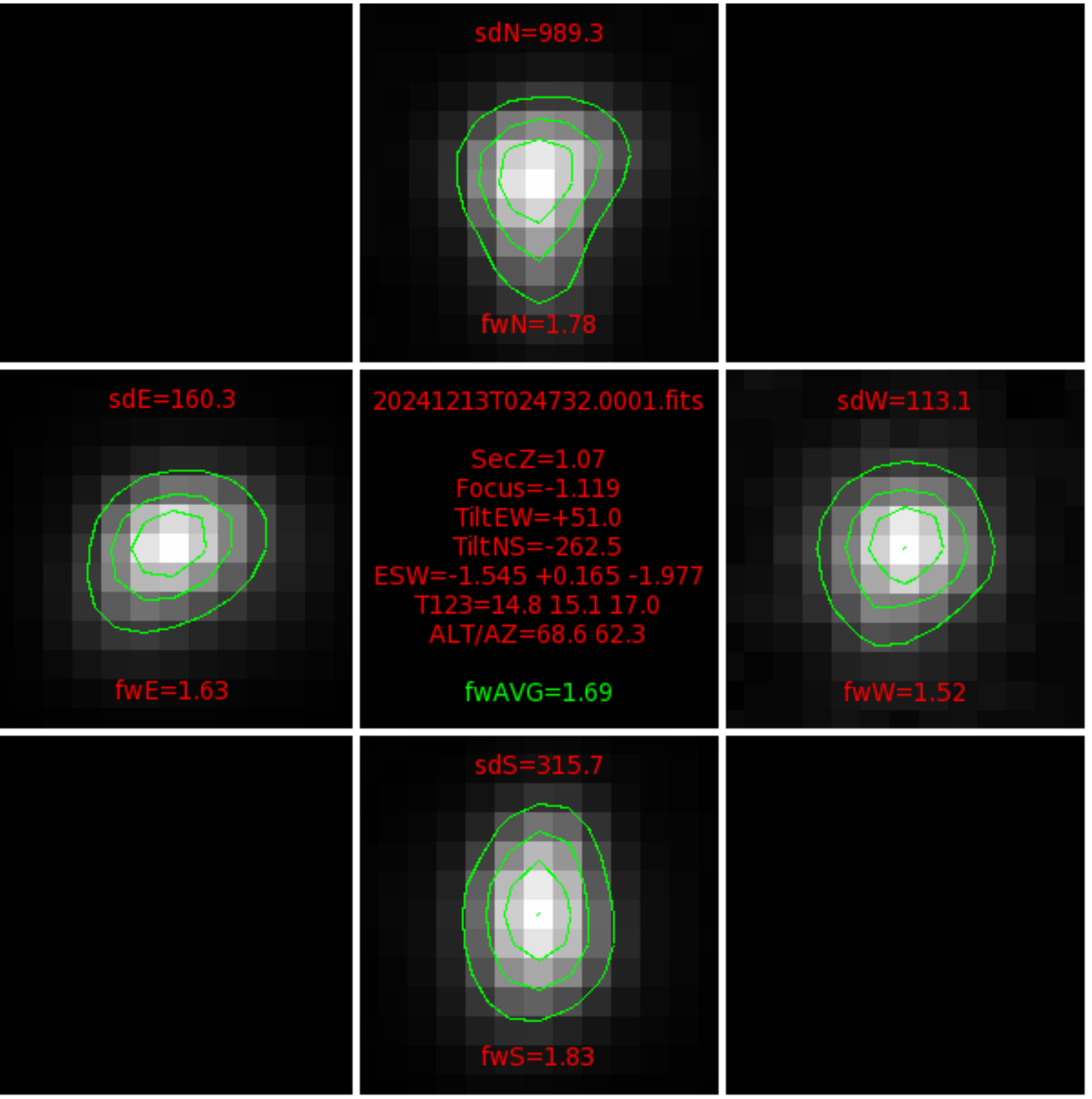
sdN=989.3
fwN=1.78
sdE=160.3
fwE=1.63
20241213T024732.0001.fits
SecZ=1.07
Focus=-1.119
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.545 +0.165 -1.977
T123=14.8 15.1 17.0
ALT/AZ=68.6 62.3
fwAVG=1.69
sdW=113.1
fwW=1.52
sdS=315.7
fwS=1.83
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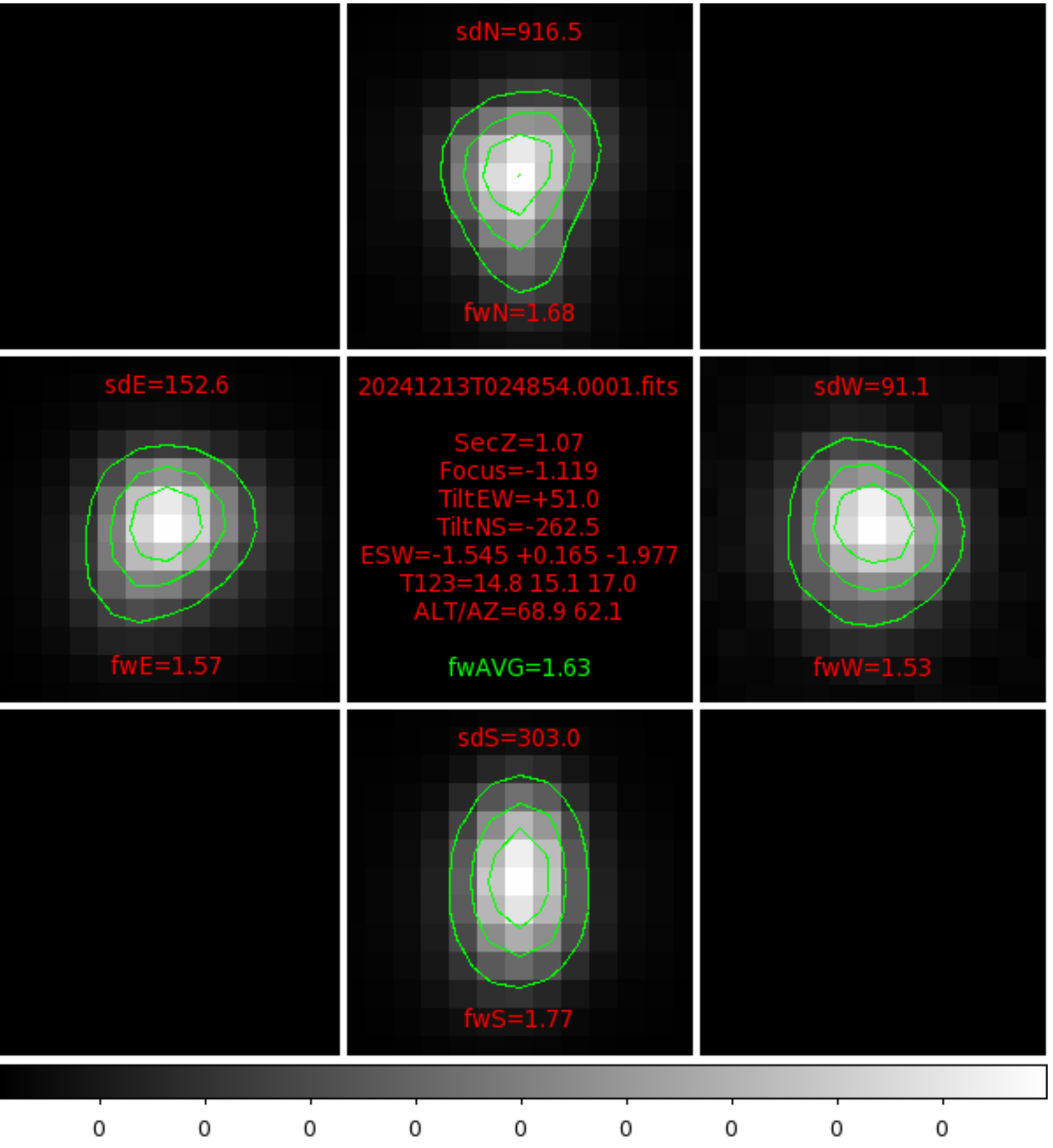
sdN=916.5
fwN=1.68
sdE=152.6
fwE=1.57
20241213T024854.0001.fits
SecZ=1.07
Focus=-1.119
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.545 +0.165 -1.977
T123=14.8 15.1 17.0
ALT/AZ=68.9 62.1
fwAVG=1.63
sdW=91.1
fwW=1.53
sdS=303.0
fwS=1.77
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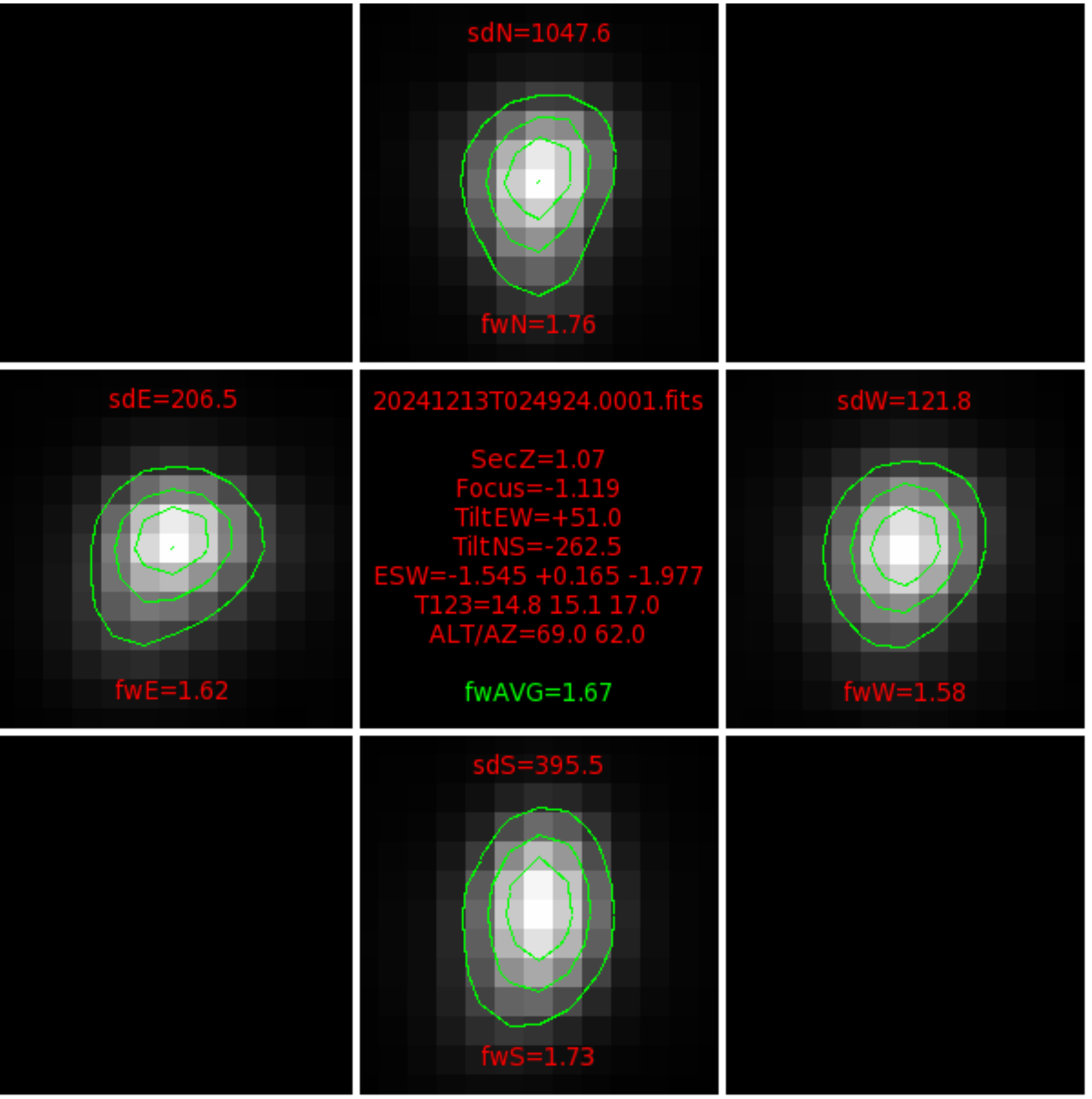
sdN=1047.6
fwN=1.76
sdE=206.5
fwE=1.62
20241213T024924.0001.fits
SecZ=1.07
Focus=-1.119
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.545 +0.165 -1.977
T123=14.8 15.1 17.0
ALT/AZ=69.0 62.0
fwAVG=1.67
sdW=121.8
fwW=1.58
sdS=395.5
fwS=1.73
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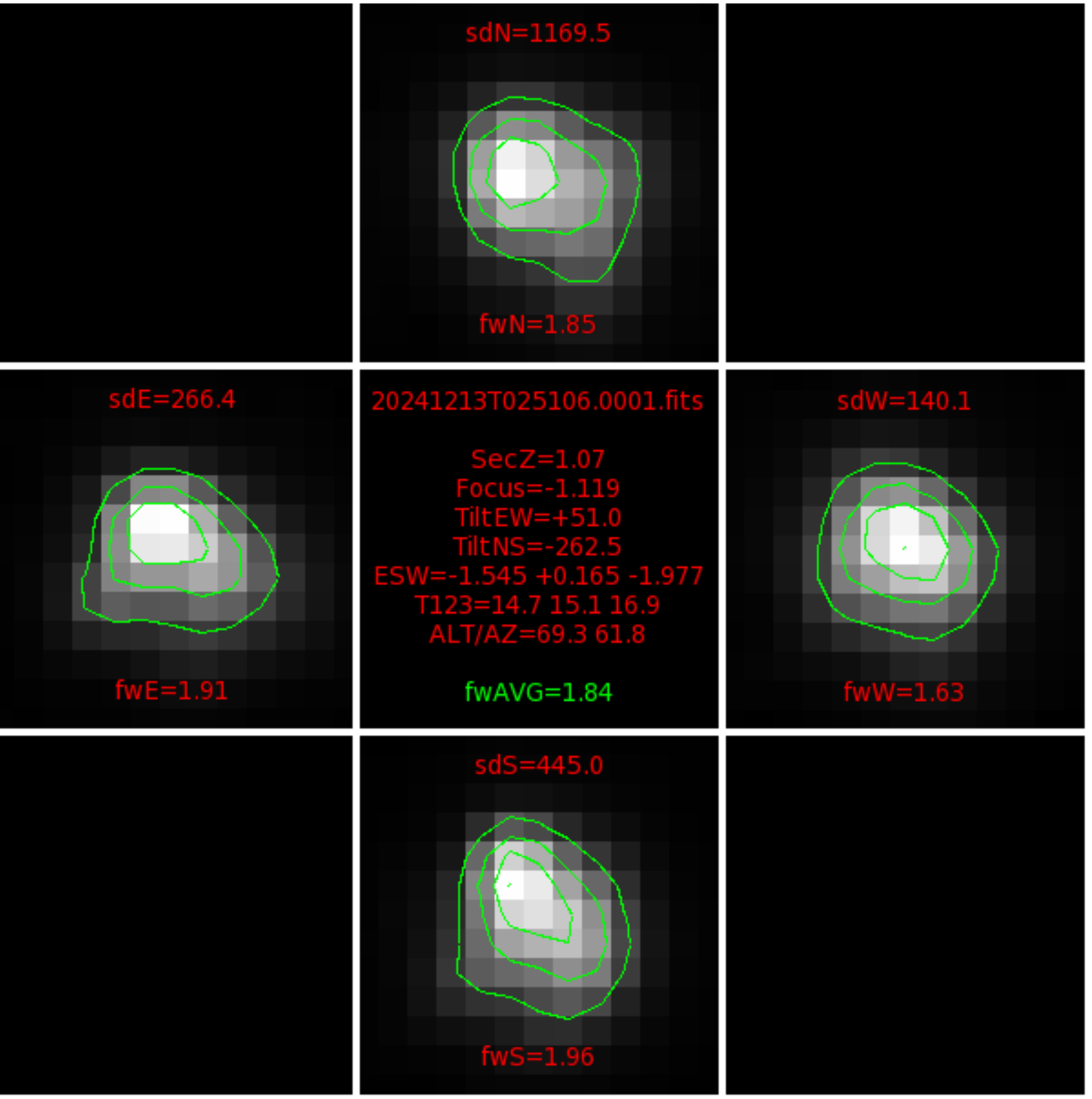
sdN=1169.5
fwN=1.85
sdE=266.4
fwE=1.91
20241213T025106.0001.fits
SecZ=1.07
Focus=-1.119
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.545 +0.165 -1.977
T123=14.7 15.1 16.9
ALT/AZ=69.3 61.8
fwAVG=1.84
sdW=140.1
fwW=1.63
sdS=445.0
fwS=1.96
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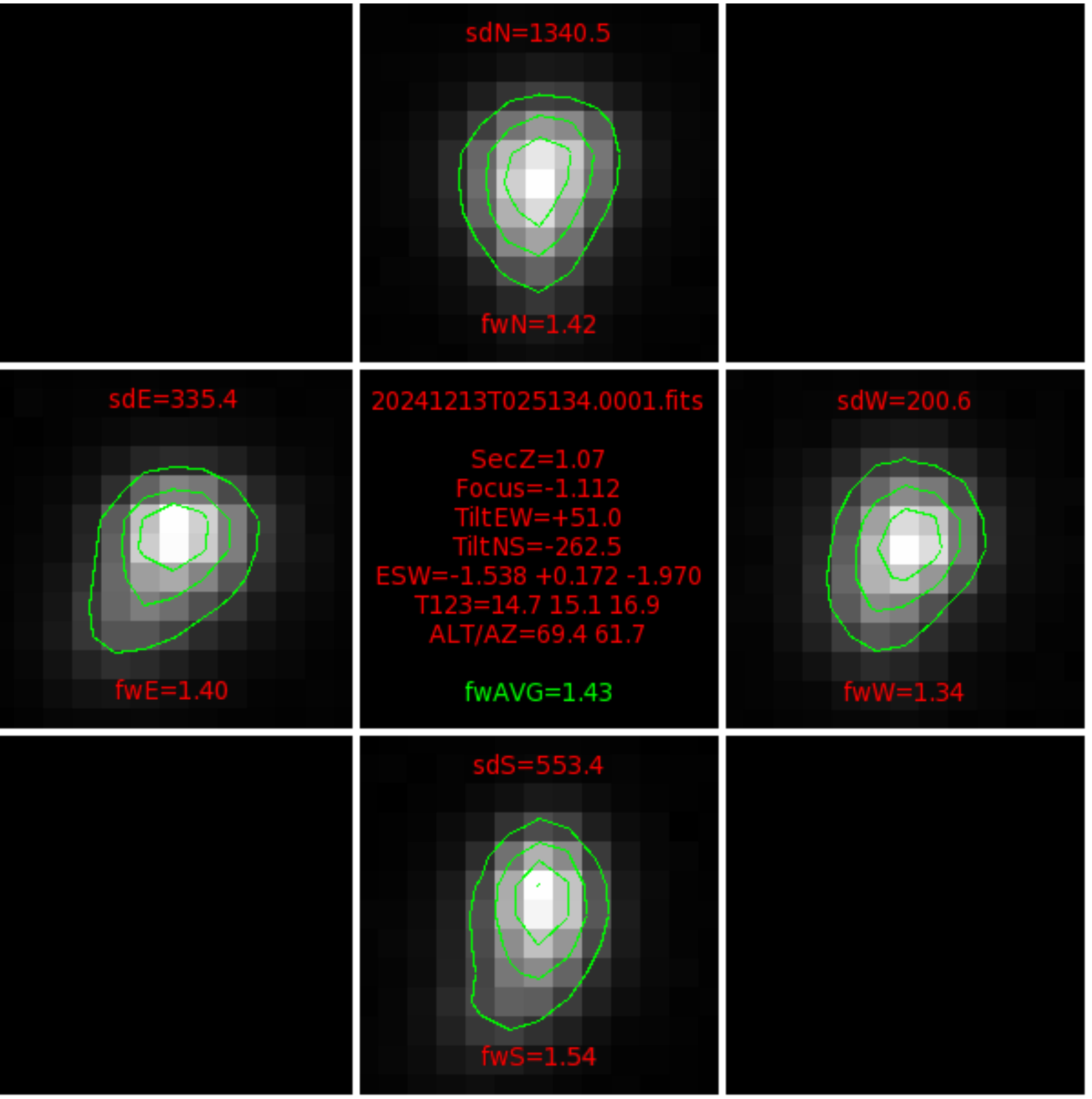
sdN=1340.5
fwN=1.42
sdE=335.4
fwE=1.40
20241213T025134.0001.fits
SecZ=1.07
Focus=-1.112
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.538 +0.172 -1.970
T123=14.7 15.1 16.9
ALT/AZ=69.4 61.7
fwAVG=1.43
sdW=200.6
fwW=1.34
sdS=553.4
fwS=1.54
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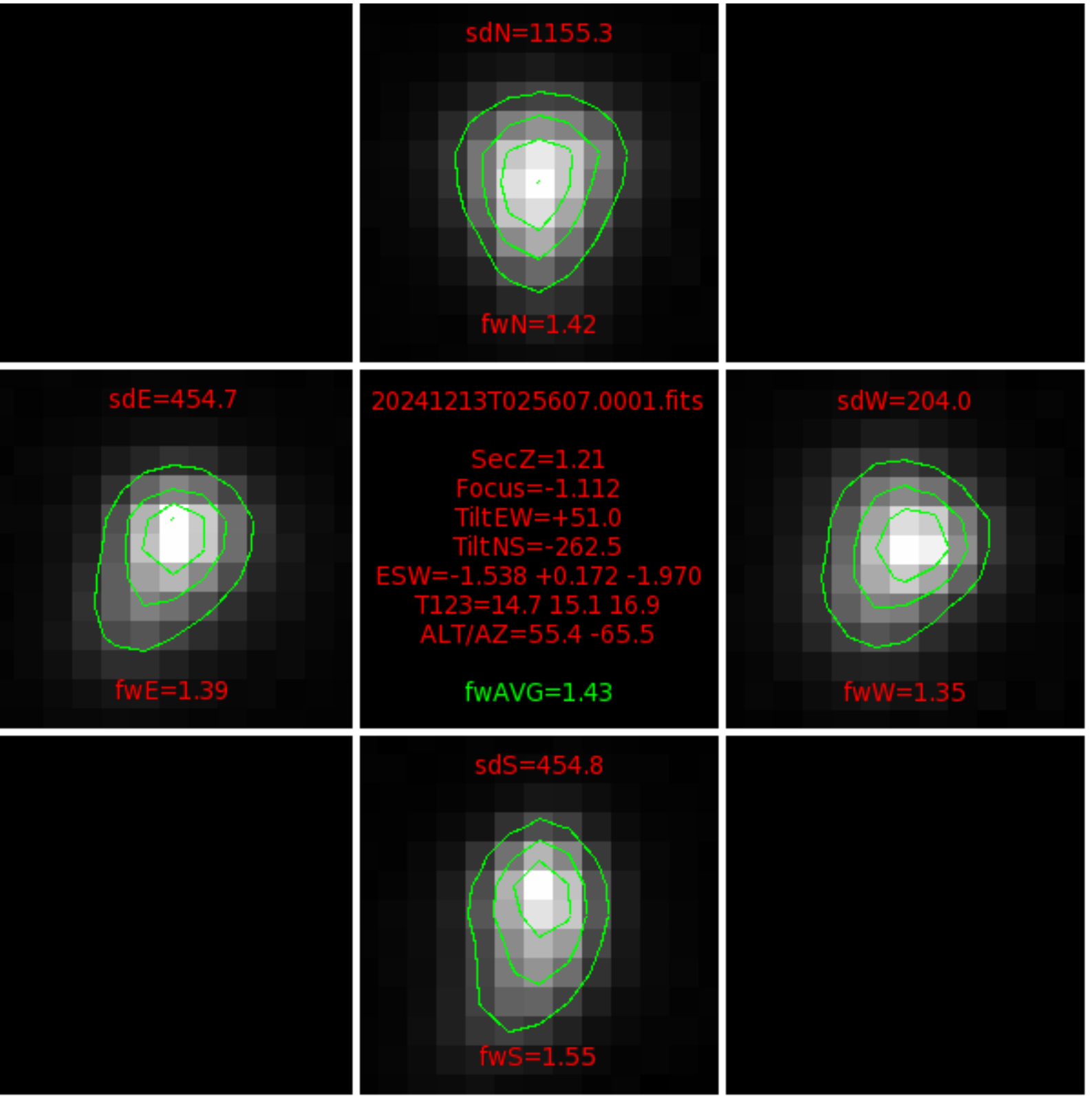
sdN=1155.3
fwN=1.42
sdE=454.7
fwE=1.39
20241213T025607.0001.fits
SecZ=1.21
Focus=-1.112
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.538 +0.172 -1.970
T123=14.7 15.1 16.9
ALT/AZ=55.4 -65.5
fwAVG=1.43
sdW=204.0
fwW=1.35
sdS=454.8
fwS=1.55
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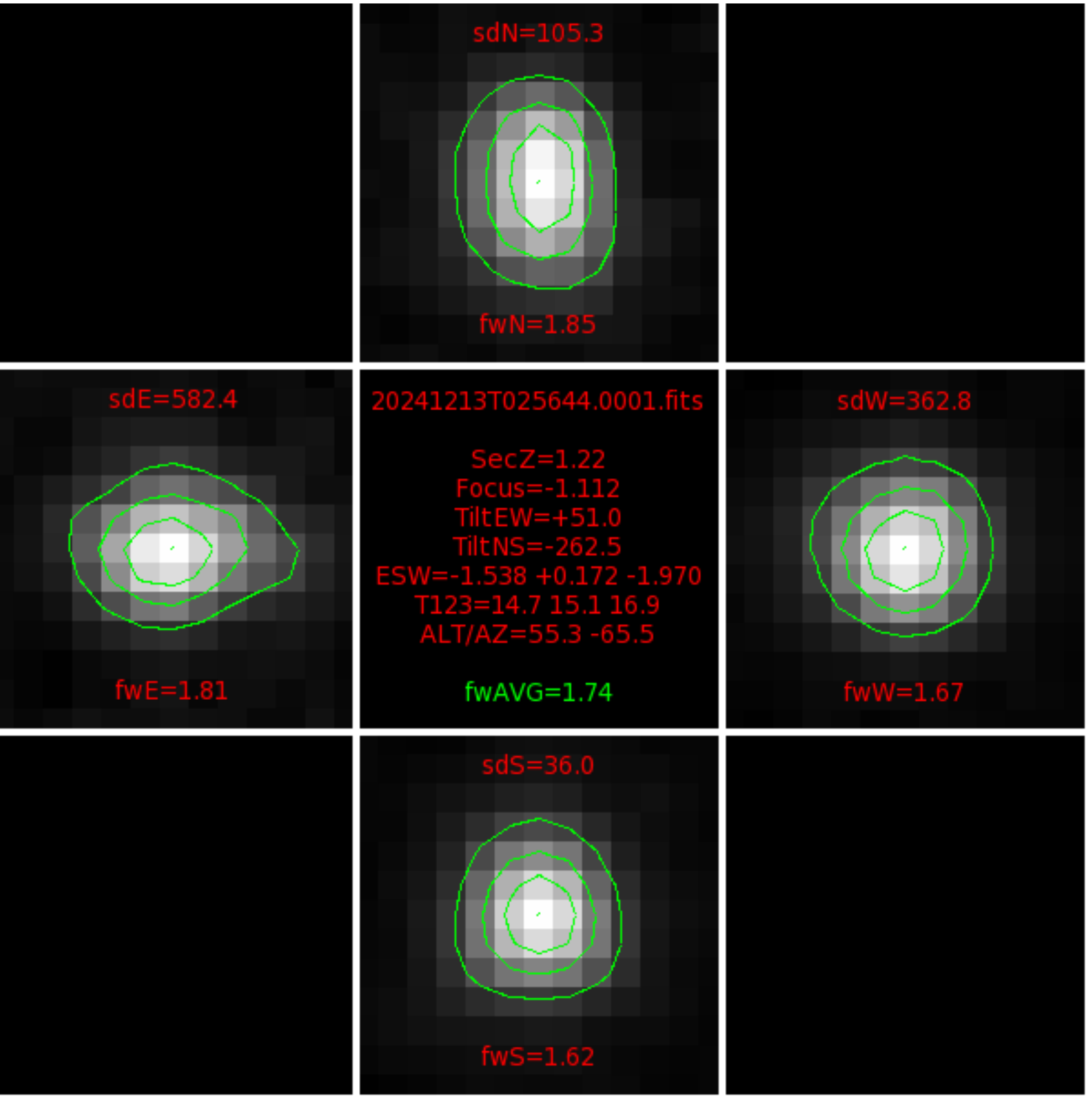
sdN=105.3
fwN=1.85
sdE=582.4
fwE=1.81
20241213T025644.0001.fits
SecZ=1.22
Focus=-1.112
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.538 +0.172 -1.970
T123=14.7 15.1 16.9
ALT/AZ=55.3 -65.5
fwAVG=1.74
sdW=362.8
fwW=1.67
sdS=36.0
fwS=1.62
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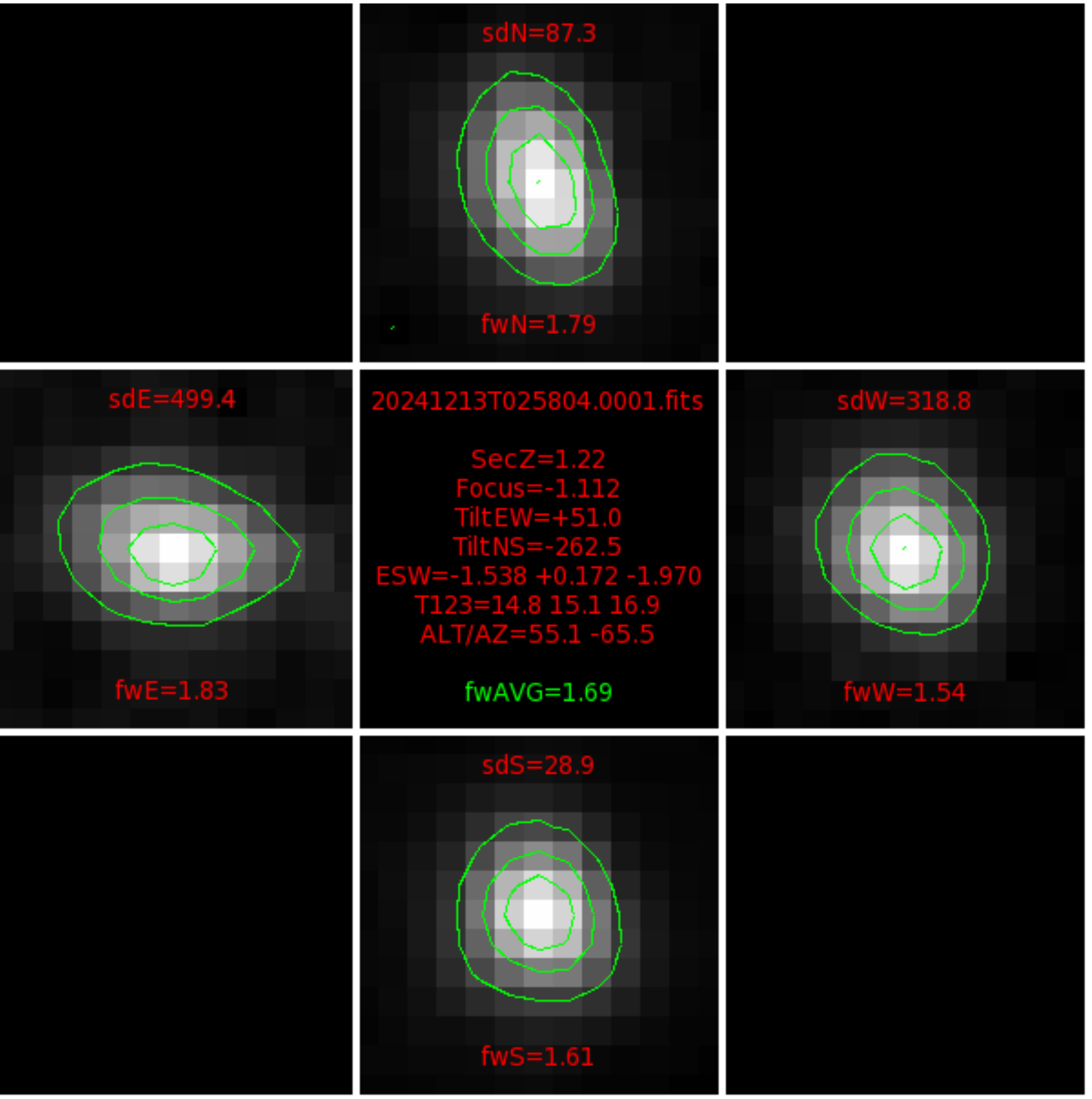
sdN=87.3
fwN=1.79
sdE=499.4
fwE=1.83
20241213T025804.0001.fits
SecZ=1.22
Focus=-1.112
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.538 +0.172 -1.970
T123=14.8 15.1 16.9
ALT/AZ=55.1 -65.5
fwAVG=1.69
sdW=318.8
fwW=1.54
sdS=28.9
fwS=1.61
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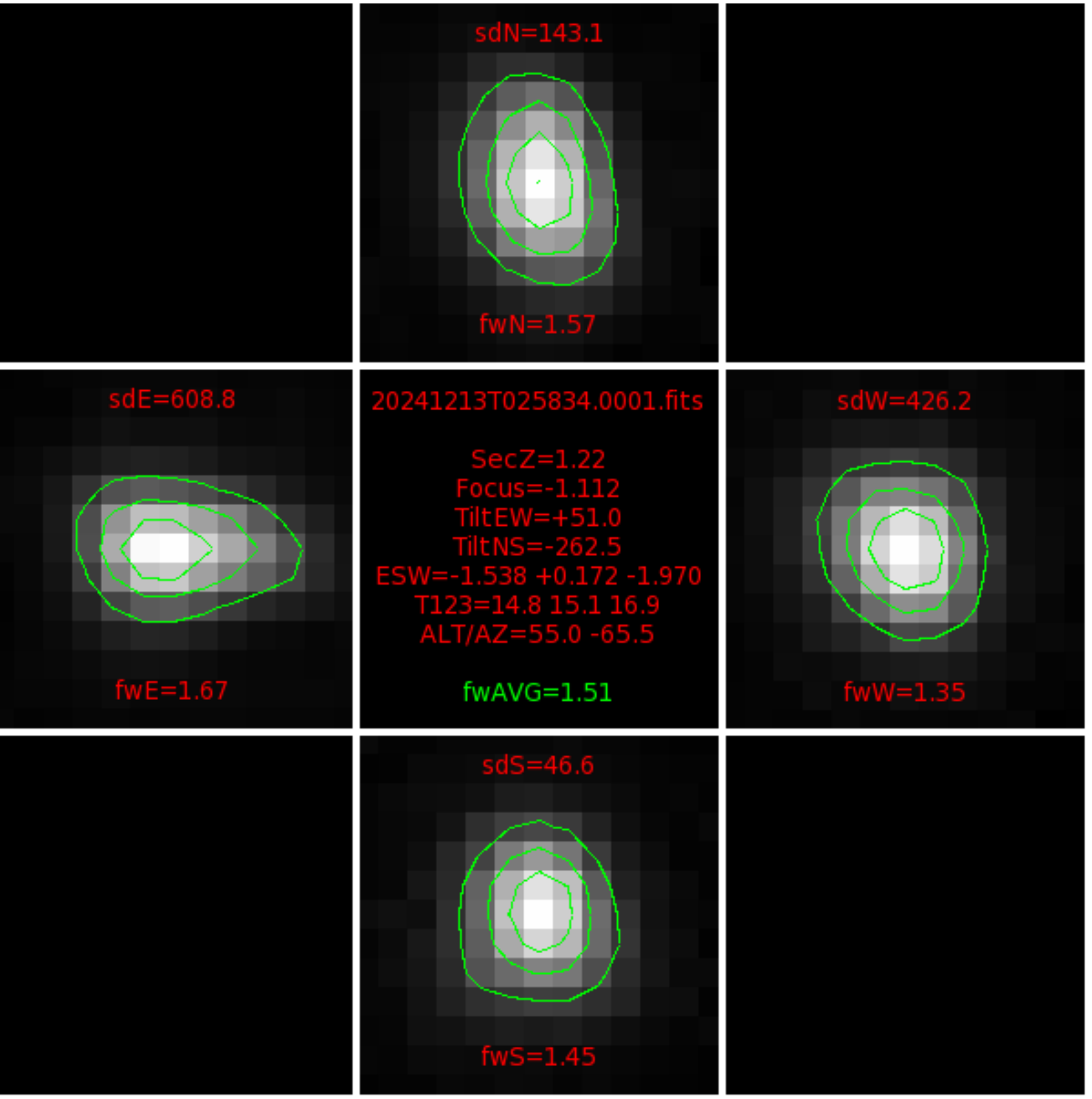
sdN=143.1
fwN=1.57
sdE=608.8
fwE=1.67
20241213T025834.0001.fits
SecZ=1.22
Focus=-1.112
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.538 +0.172 -1.970
T123=14.8 15.1 16.9
ALT/AZ=55.0 -65.5
fwAVG=1.51
sdW=426.2
fwW=1.35
sdS=46.6
fwS=1.45
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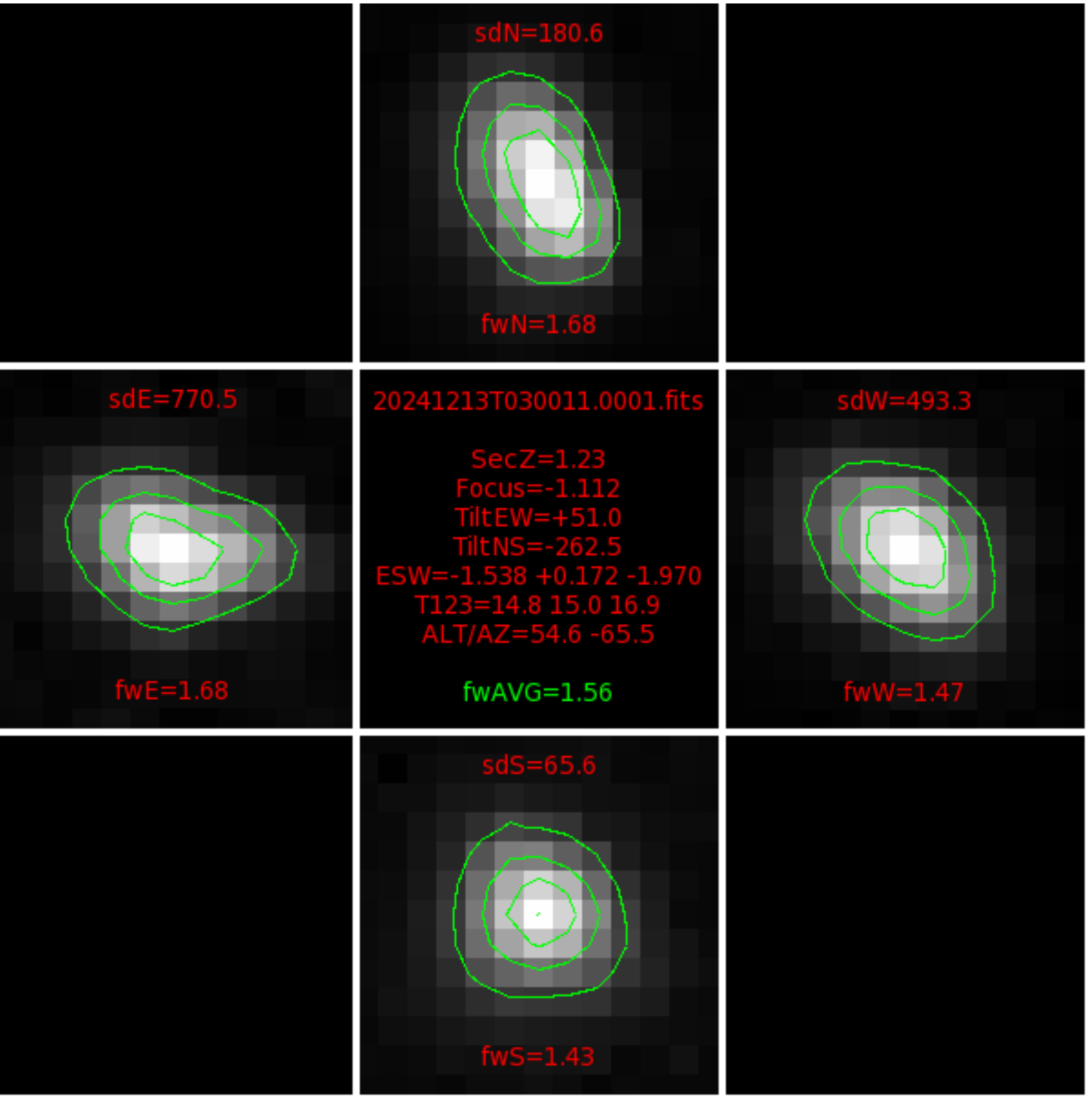
sdN=180.6
fwN=1.68
sdE=770.5
fwE=1.68
20241213T030011.0001.fits
SecZ=1.23
Focus=-1.112
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.538 +0.172 -1.970
T123=14.8 15.0 16.9
ALT/AZ=54.6 -65.5
fwAVG=1.56
sdW=493.3
fwW=1.47
sdS=65.6
fwS=1.43
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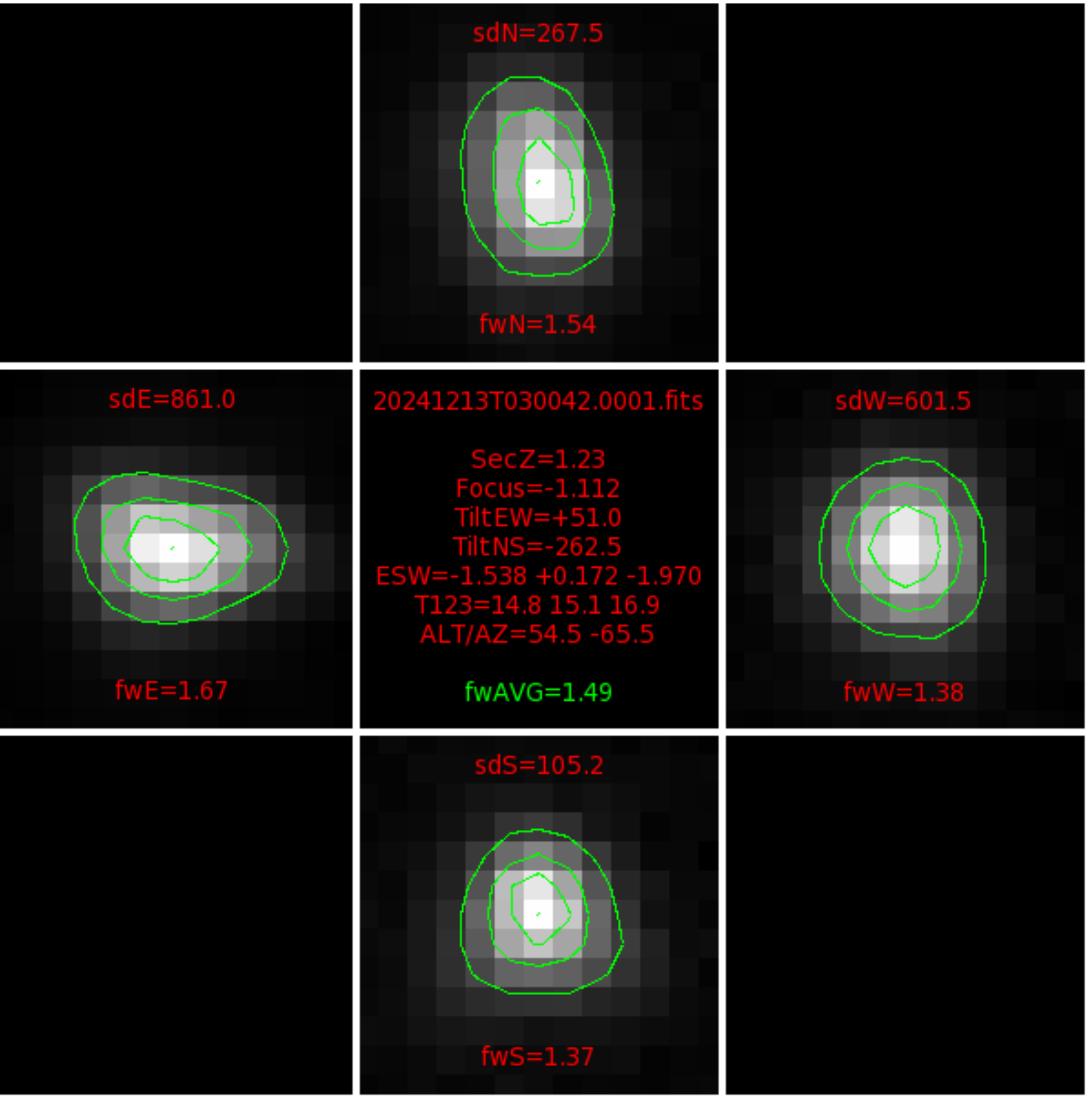
sdN=267.5
fwN=1.54
sdE=861.0
fwE=1.67
20241213T030042.0001.fits
SecZ=1.23
Focus=-1.112
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.538 +0.172 -1.970
T123=14.8 15.1 16.9
ALT/AZ=54.5 -65.5
fwAVG=1.49
sdW=601.5
fwW=1.38
sdS=105.2
fwS=1.37
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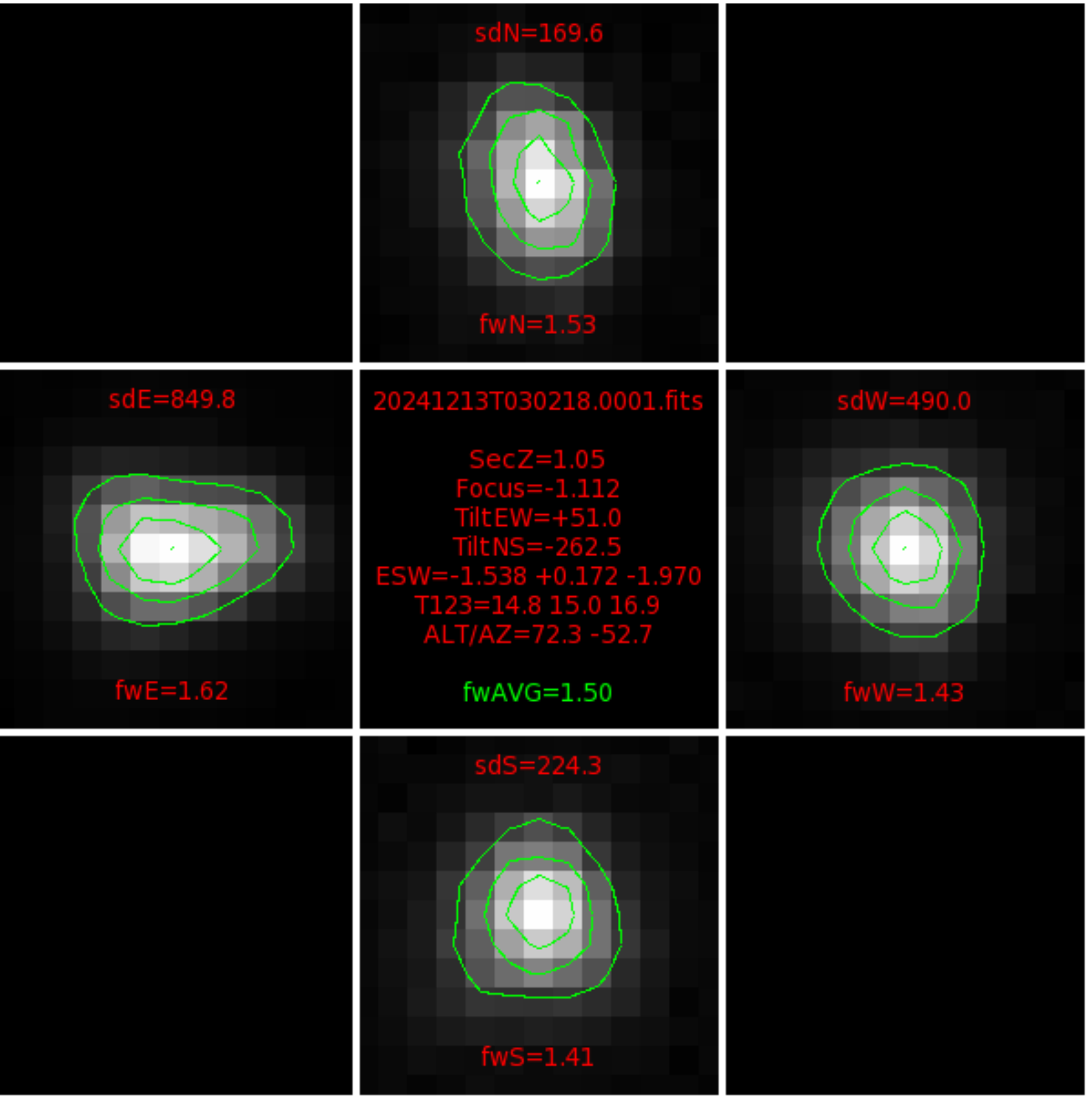
sdN=169.6
fwN=1.53
sdE=849.8
fwE=1.62
20241213T030218.0001.fits
SecZ=1.05
Focus=-1.112
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.538 +0.172 -1.970
T123=14.8 15.0 16.9
ALT/AZ=72.3 -52.7
fwAVG=1.50
sdW=490.0
fwW=1.43
sdS=224.3
fwS=1.41
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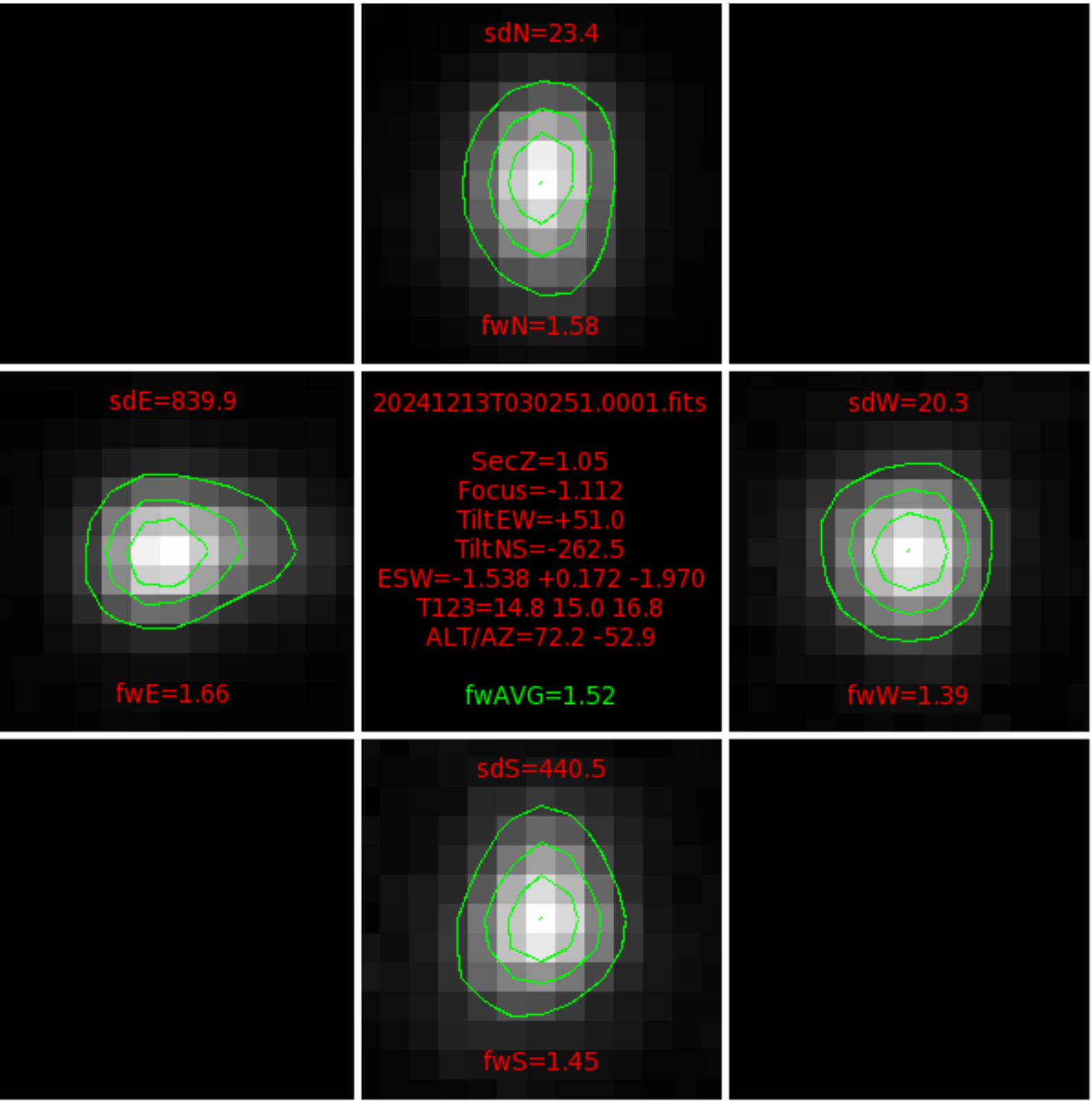
sdN=23.4
fwN=1.58
sdE=839.9
fwE=1.66
20241213T030251.0001.fits
SecZ=1.05
Focus=-1.112
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.538 +0.172 -1.970
T123=14.8 15.0 16.8
ALT/AZ=72.2 -52.9
fwAVG=1.52
sdW=20.3
fwW=1.39
sdS=440.5
fwS=1.45
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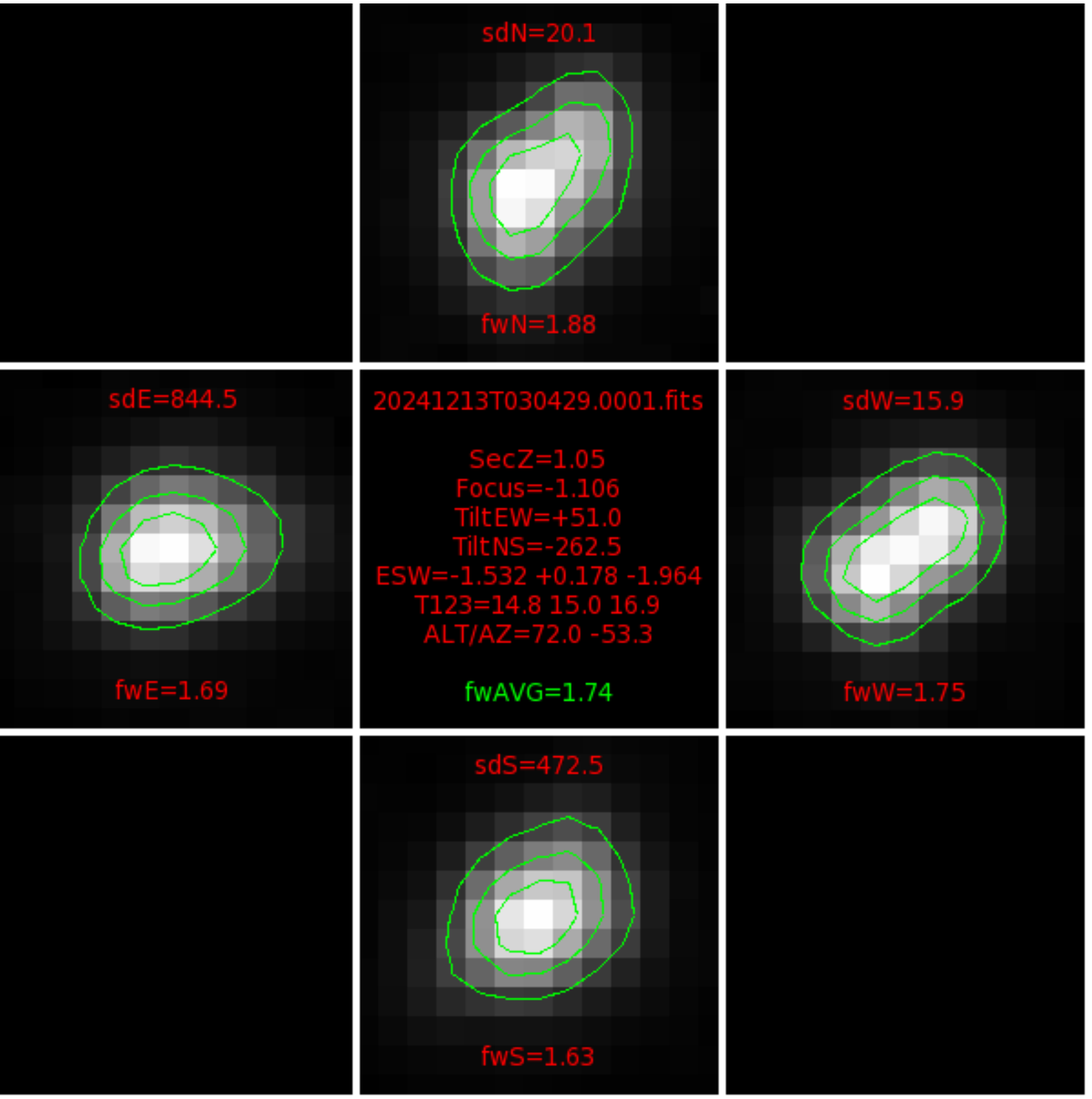
sdN=20.1
fwN=1.88
sdE=844.5
fwE=1.69
20241213T030429.0001.fits
SecZ=1.05
Focus=-1.106
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.532 +0.178 -1.964
T123=14.8 15.0 16.9
ALT/AZ=72.0 -53.3
fwAVG=1.74
sdW=15.9
fwW=1.75
sdS=472.5
fwS=1.63
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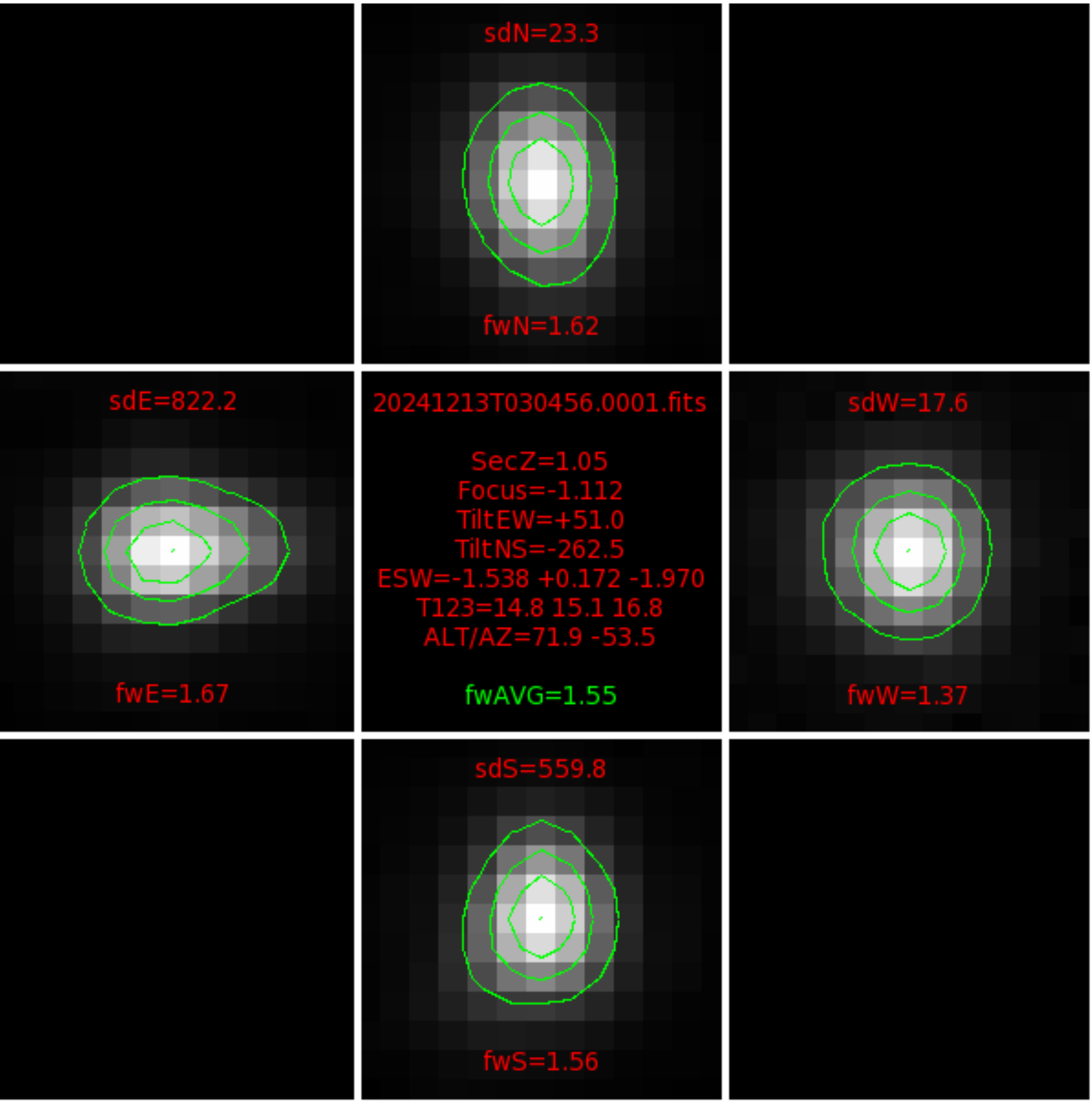
sdN=23.3
fwN=1.62
sdE=822.2
fwE=1.67
20241213T030456.0001.fits
SecZ=1.05
Focus=-1.112
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.538 +0.172 -1.970
T123=14.8 15.1 16.8
ALT/AZ=71.9 -53.5
fwAVG=1.55
sdW=17.6
fwW=1.37
sdS=559.8
fwS=1.56
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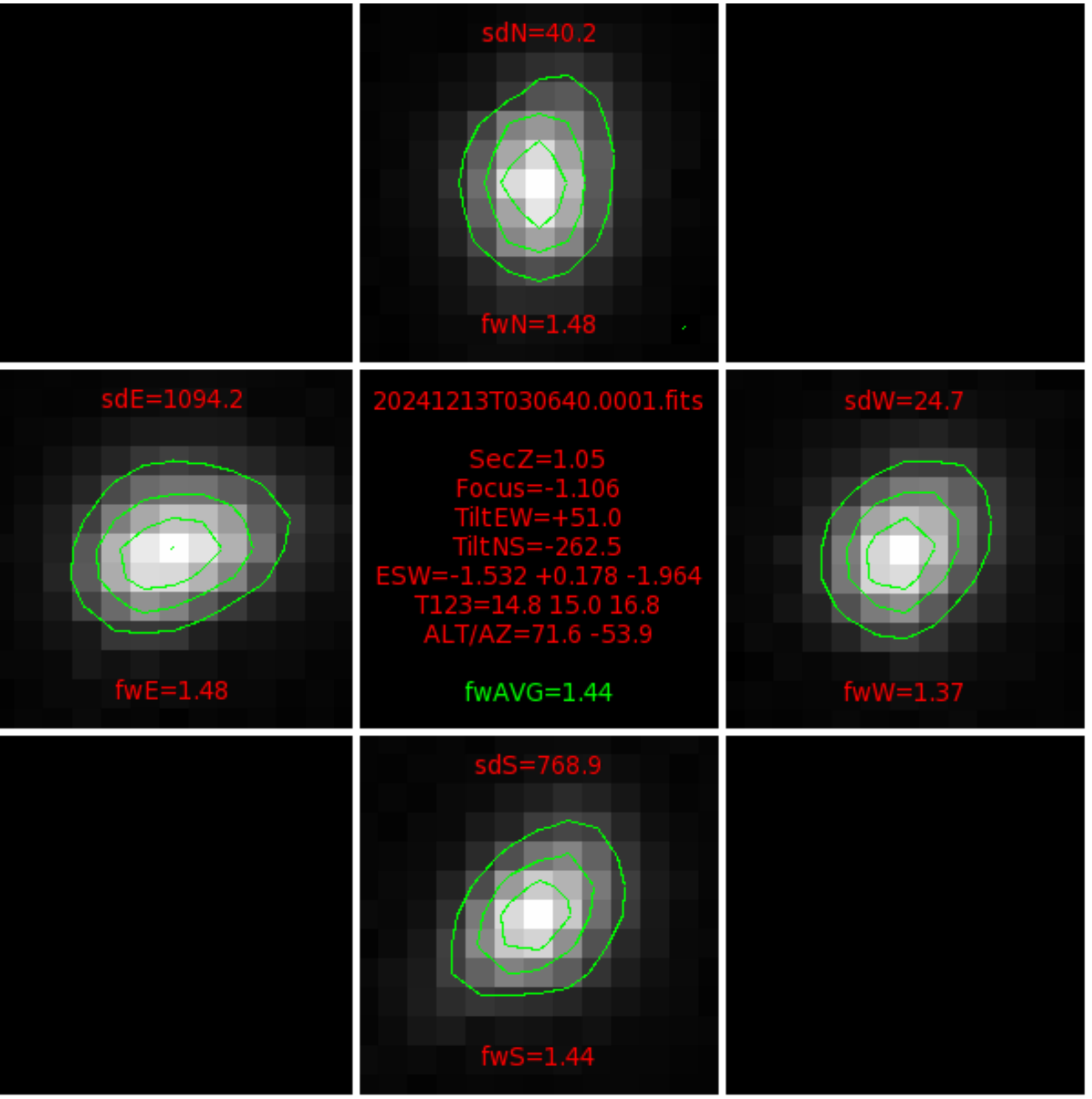
sdN=40.2
fwN=1.48
sdE=1094.2
fwE=1.48
20241213T030640.0001.fits
SecZ=1.05
Focus=-1.106
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.532 +0.178 -1.964
T123=14.8 15.0 16.8
ALT/AZ=71.6 -53.9
fwAVG=1.44
sdW=24.7
fwW=1.37
sdS=768.9
fwS=1.44
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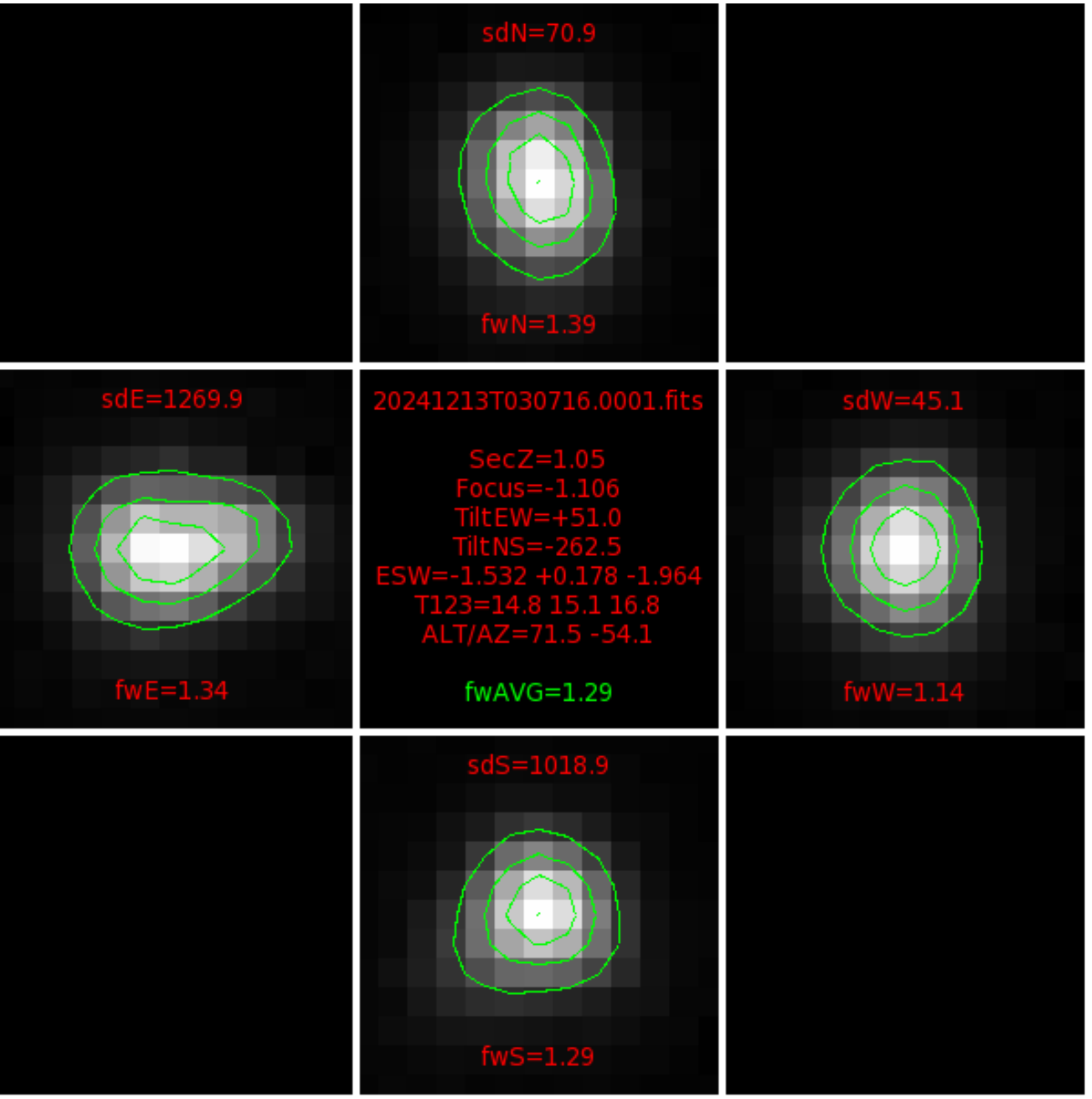
sdN=70.9
fwN=1.39
sdE=1269.9
fwE=1.34
20241213T030716.0001.fits
SecZ=1.05
Focus=-1.106
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.532 +0.178 -1.964
T123=14.8 15.1 16.8
ALT/AZ=71.5 -54.1
fwAVG=1.29
sdW=45.1
fwW=1.14
sdS=1018.9
fwS=1.29
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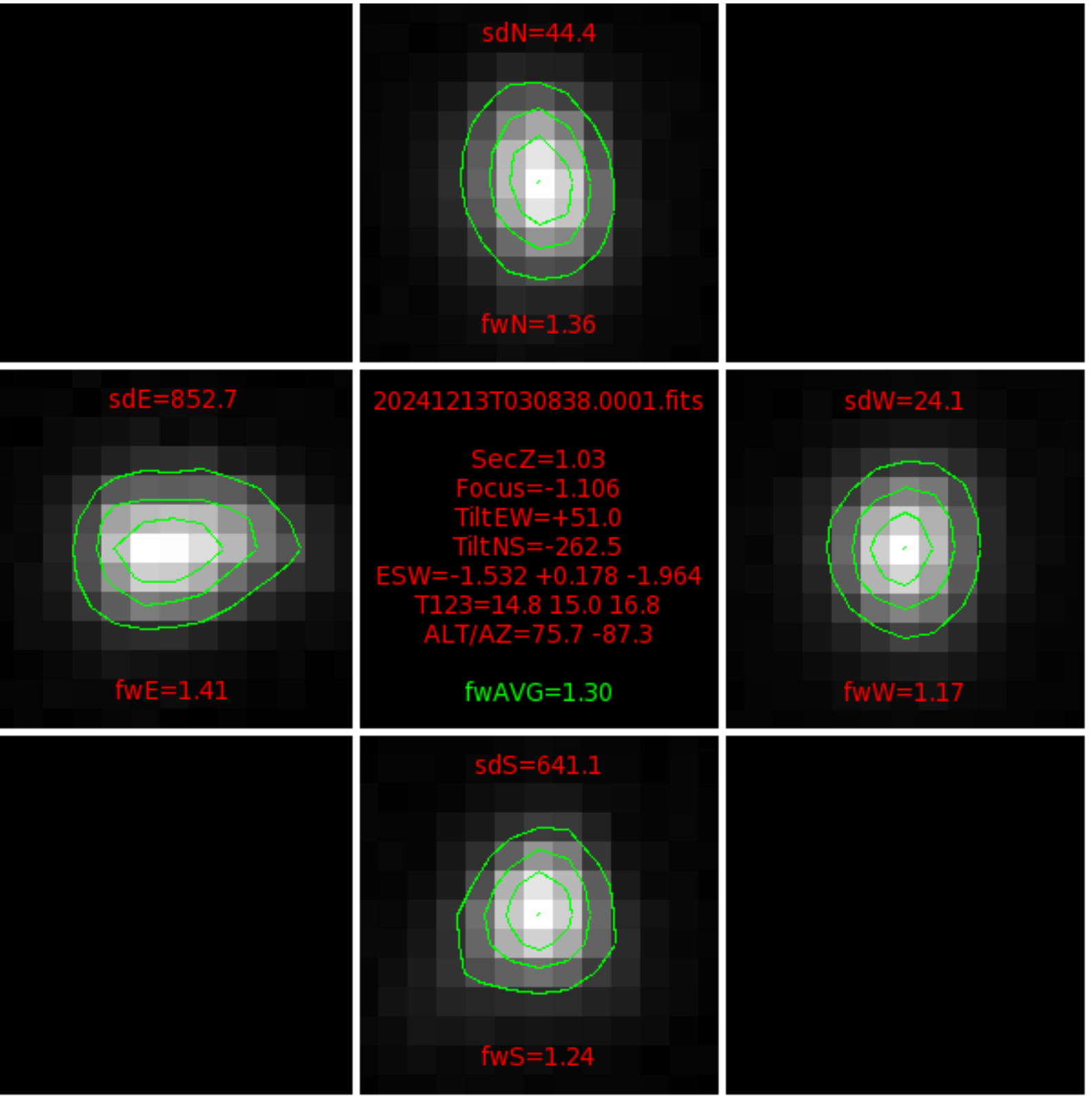
sdN=44.4
fwN=1.36
sdE=852.7
fwE=1.41
20241213T030838.0001.fits
SecZ=1.03
Focus=-1.106
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.532 +0.178 -1.964
T123=14.8 15.0 16.8
ALT/AZ=75.7 -87.3
fwAVG=1.30
sdW=24.1
fwW=1.17
sdS=641.1
fwS=1.24
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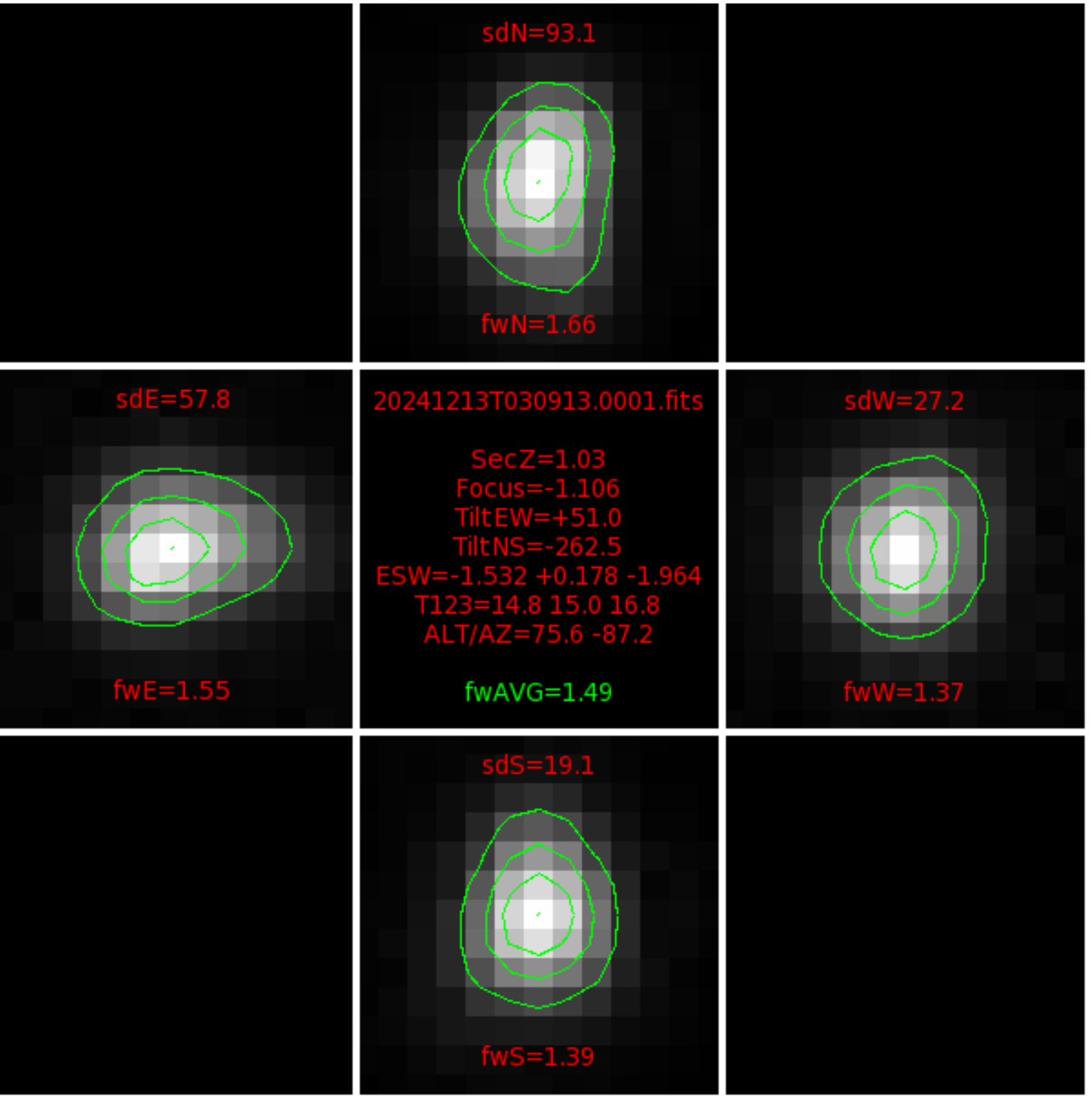
sdN=93.1
fwN=1.66
sdE=57.8
fwE=1.55
20241213T030913.0001.fits
SecZ=1.03
Focus=-1.106
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.532 +0.178 -1.964
T123=14.8 15.0 16.8
ALT/AZ=75.6 -87.2
fwAVG=1.49
sdW=27.2
fwW=1.37
sdS=19.1
fwS=1.39
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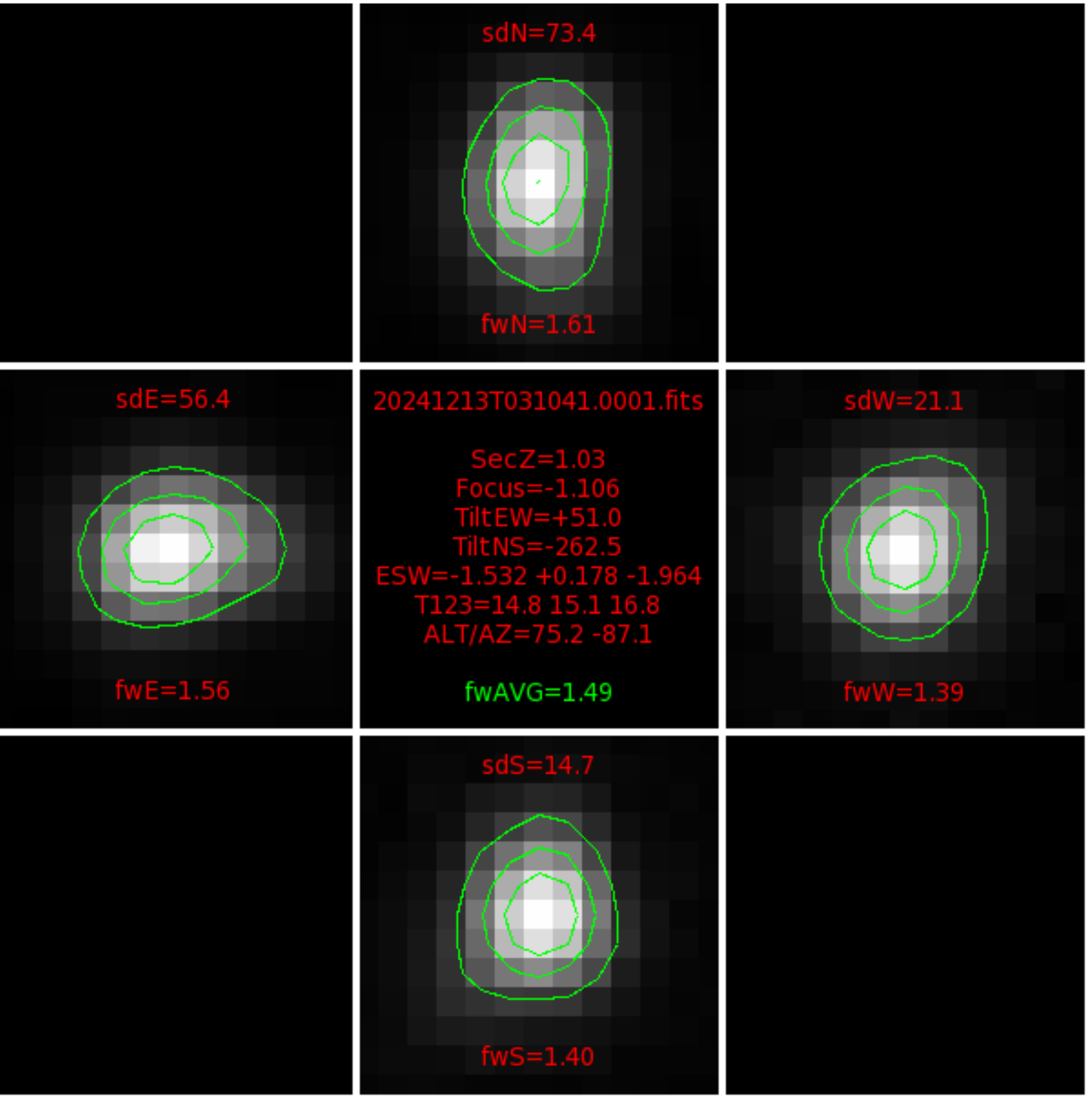
sdN=73.4
fwN=1.61
sdE=56.4
fwE=1.56
20241213T031041.0001.fits
SecZ=1.03
Focus=-1.106
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.532 +0.178 -1.964
T123=14.8 15.1 16.8
ALT/AZ=75.2 -87.1
fwAVG=1.49
sdW=21.1
fwW=1.39
sdS=14.7
fwS=1.40
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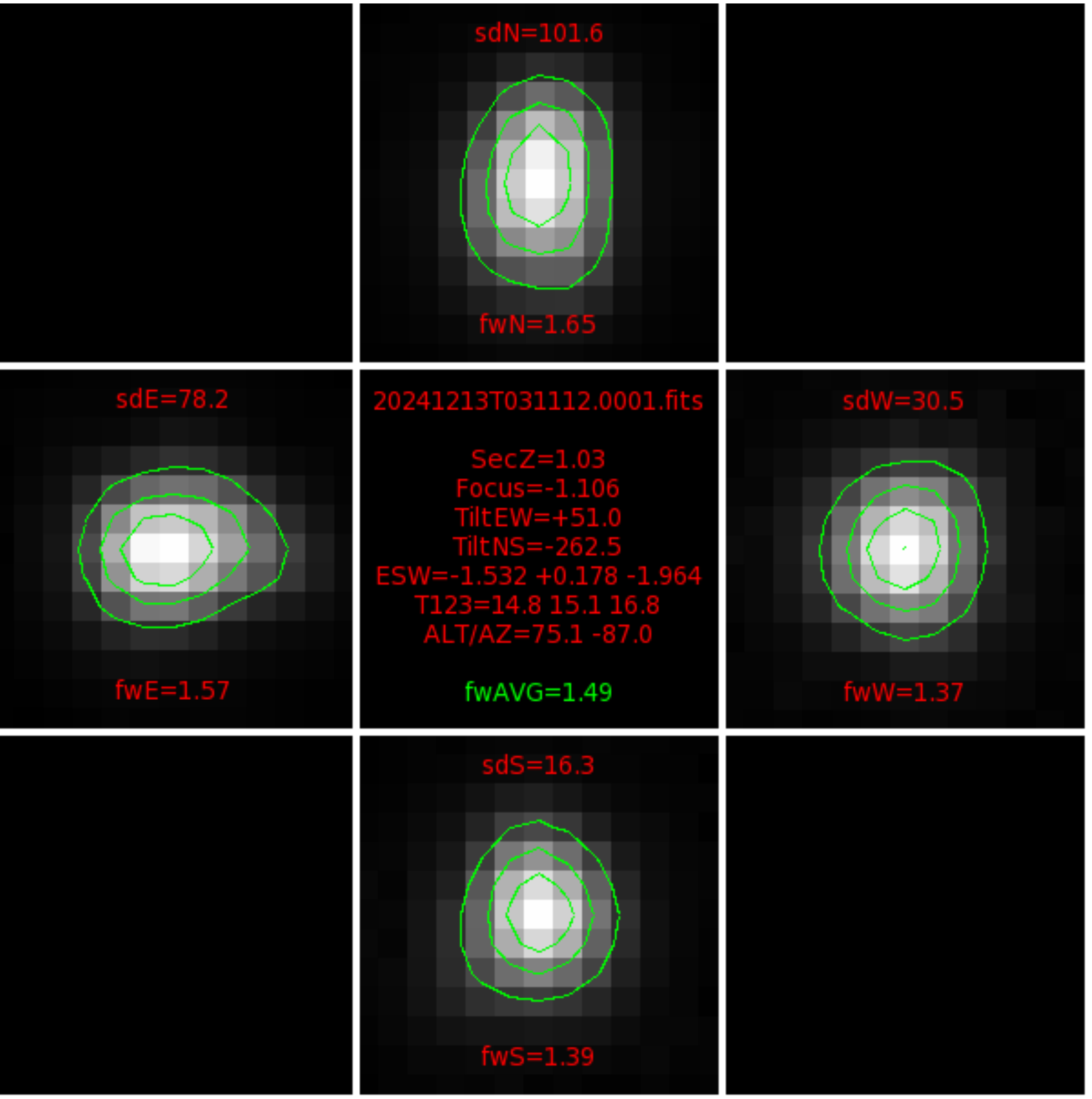
sdN=101.6
fwN=1.65
sdE=78.2
fwE=1.57
20241213T031112.0001.fits
SecZ=1.03
Focus=-1.106
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.532 +0.178 -1.964
T123=14.8 15.1 16.8
ALT/AZ=75.1 -87.0
fwAVG=1.49
sdW=30.5
fwW=1.37
sdS=16.3
fwS=1.39
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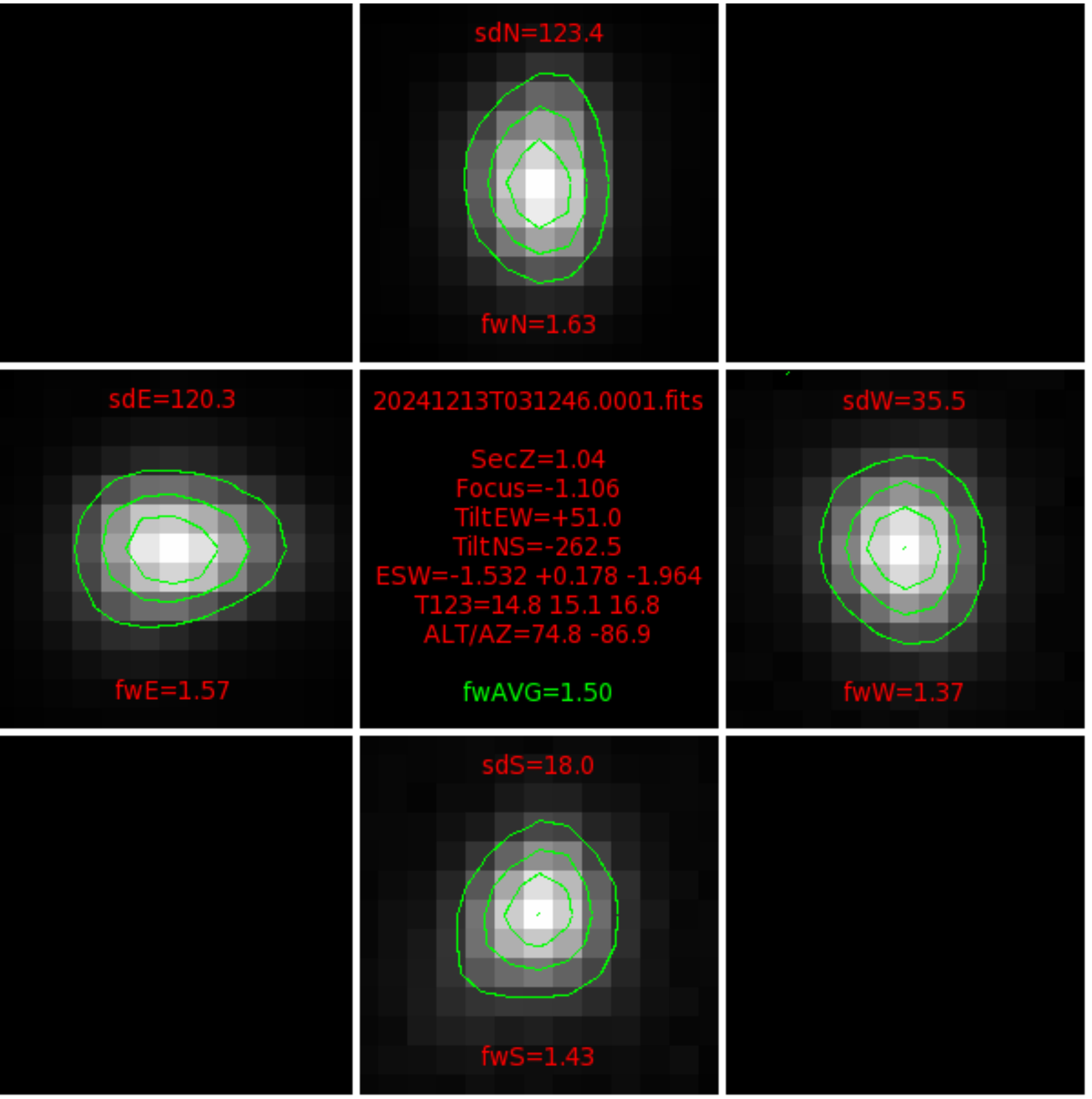
sdN=123.4
fwN=1.63
sdE=120.3
fwE=1.57
20241213T031246.0001.fits
SecZ=1.04
Focus=-1.106
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.532 +0.178 -1.964
T123=14.8 15.1 16.8
ALT/AZ=74.8 -86.9
fwAVG=1.50
sdW=35.5
fwW=1.37
sdS=18.0
fwS=1.43
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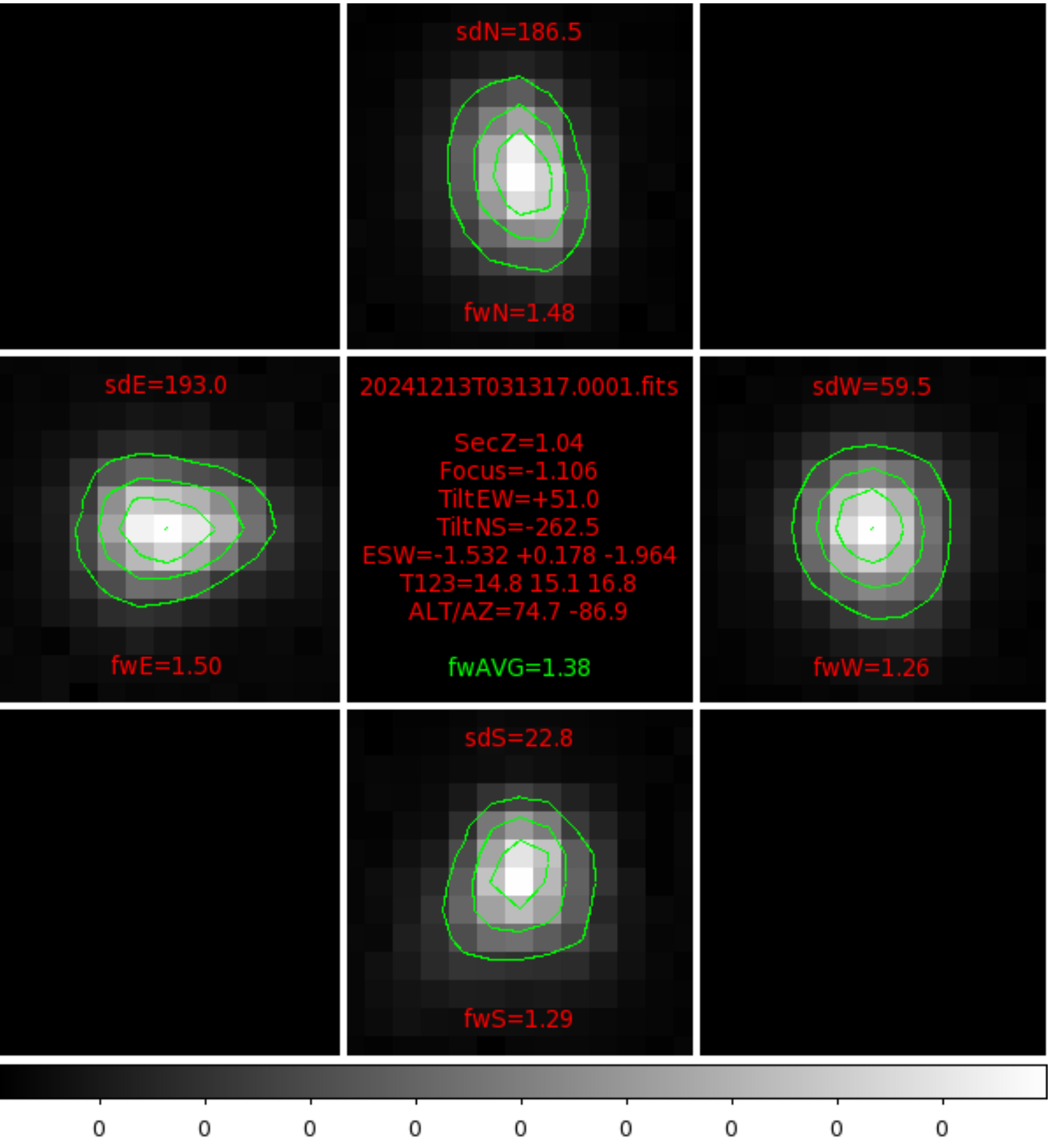
sdN=186.5
fwN=1.48
sdE=193.0
fwE=1.50
20241213T031317.0001.fits
SecZ=1.04
Focus=-1.106
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.532 +0.178 -1.964
T123=14.8 15.1 16.8
ALT/AZ=74.7 -86.9
fwAVG=1.38
sdW=59.5
fwW=1.26
sdS=22.8
fwS=1.29
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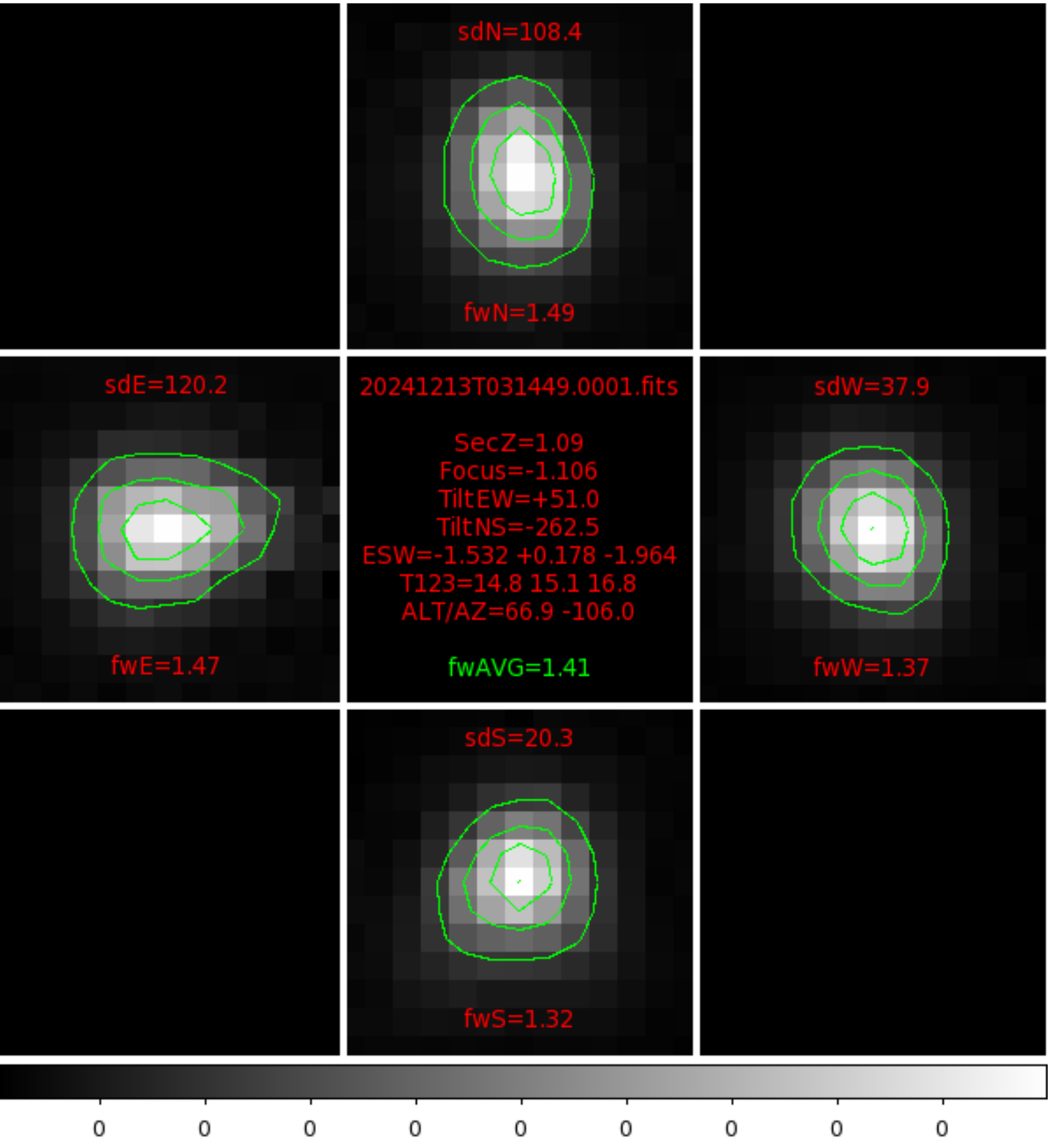
sdN=108.4
fwN=1.49
sdE=120.2
fwE=1.47
20241213T031449.0001.fits
SecZ=1.09
Focus=-1.106
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.532 +0.178 -1.964
T123=14.8 15.1 16.8
ALT/AZ=66.9 -106.0
fwAVG=1.41
sdW=37.9
fwW=1.37
sdS=20.3
fwS=1.32
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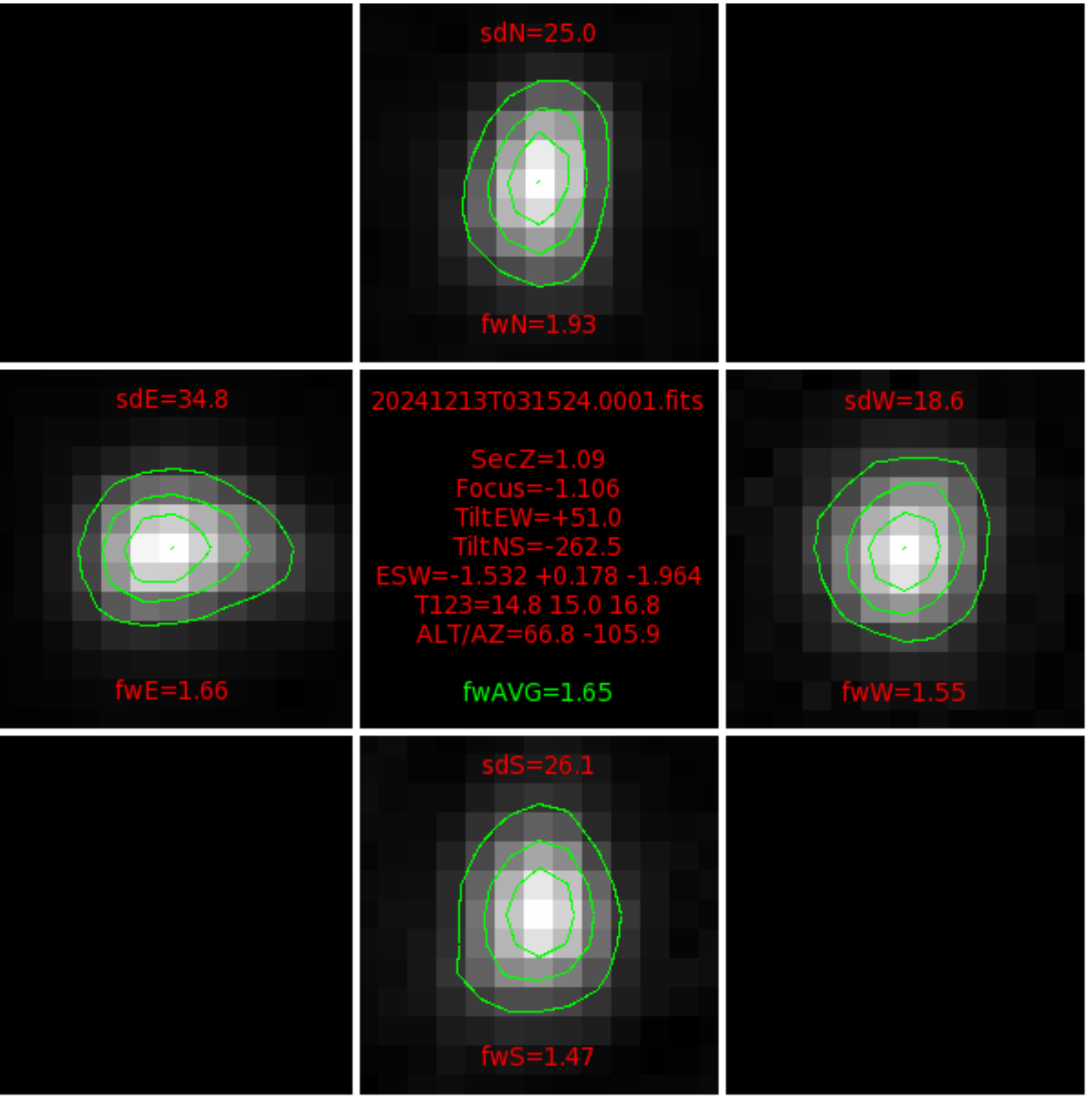
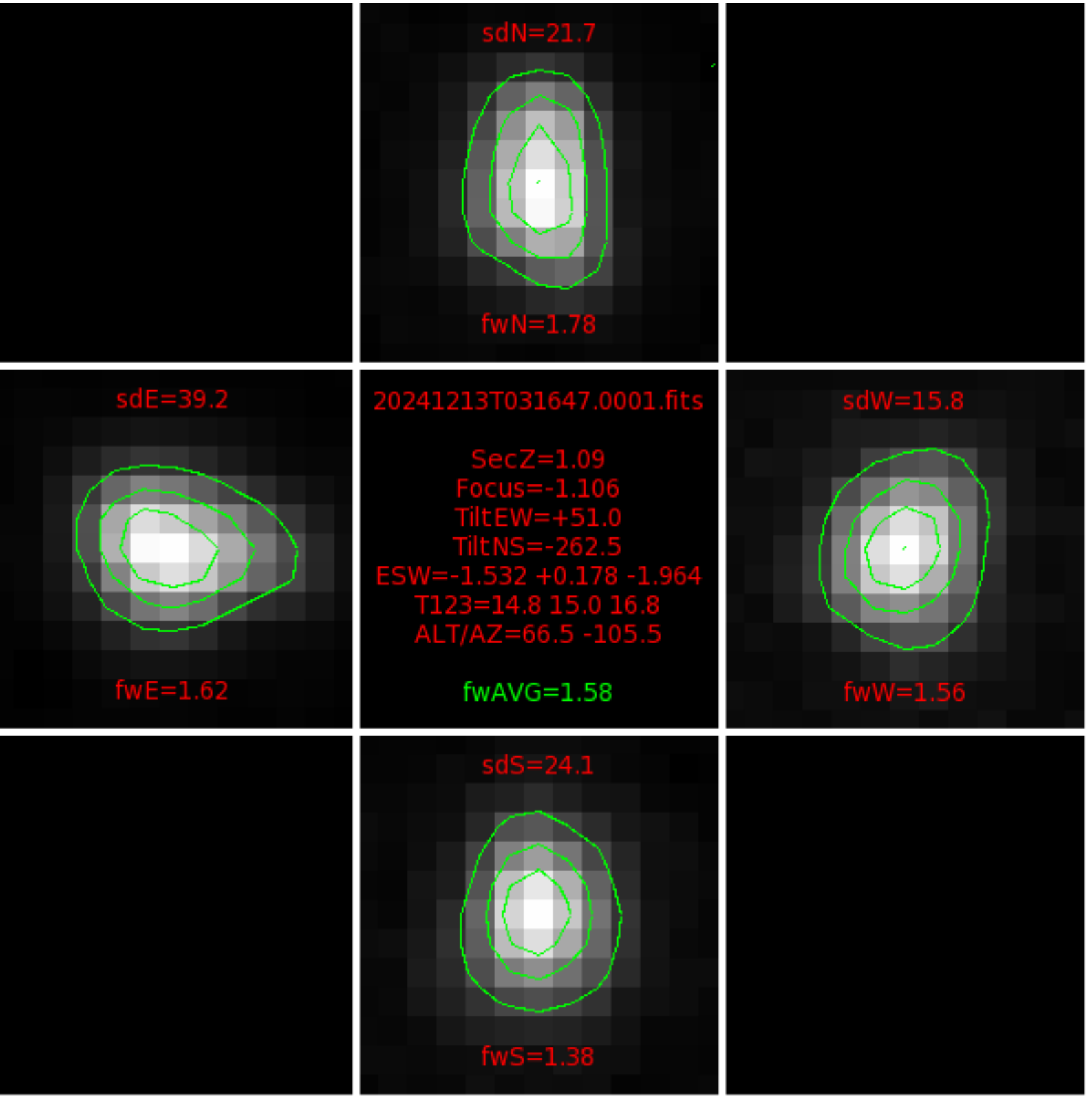

sdN=25.0
fwN=1.93
sdE=34.8
fwE=1.66
20241213T031524.0001.fits
SecZ=1.09
Focus=-1.106
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.532 +0.178 -1.964
T123=14.8 15.0 16.8
ALT/AZ=66.8 -105.9
fwAVG=1.65
sdW=18.6
fwW=1.55
sdS=26.1
fwS=1.47
0 0 0 0 0 0 0 0 0


sdN=21.7
fwN=1.78
sdE=39.2
fwE=1.62
20241213T031647.0001.fits
SecZ=1.09
Focus=-1.106
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.532 +0.178 -1.964
T123=14.8 15.0 16.8
ALT/AZ=66.5 -105.5
fwAVG=1.58
sdW=15.8
fwW=1.56
sdS=24.1
fwS=1.38
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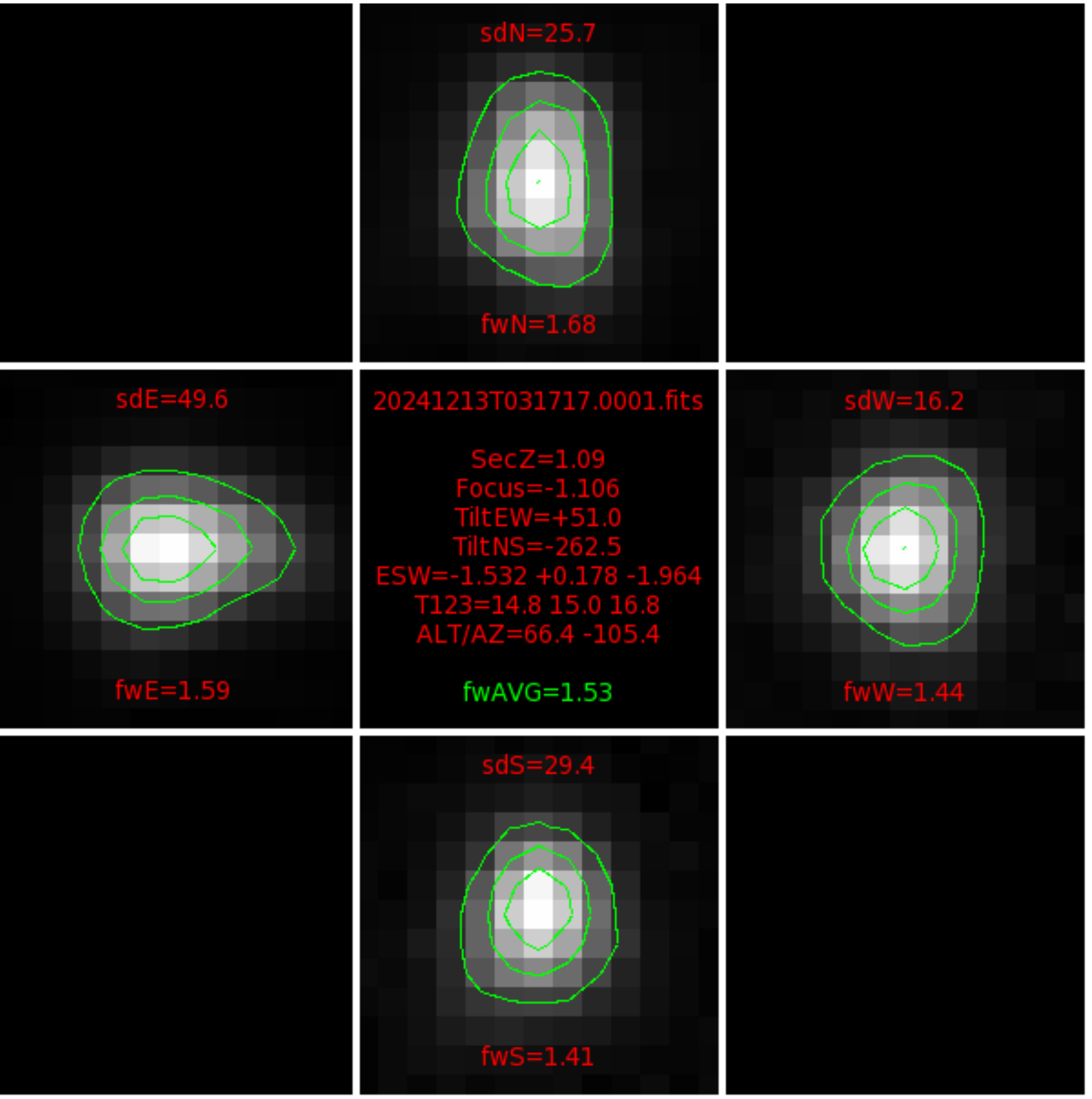
sdN=25.7
fwN=1.68
sdE=49.6
fwE=1.59
20241213T031717.0001.fits
SecZ=1.09
Focus=-1.106
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.532 +0.178 -1.964
T123=14.8 15.0 16.8
ALT/AZ=66.4 -105.4
fwAVG=1.53
sdW=16.2
fwW=1.44
sdS=29.4
fwS=1.41
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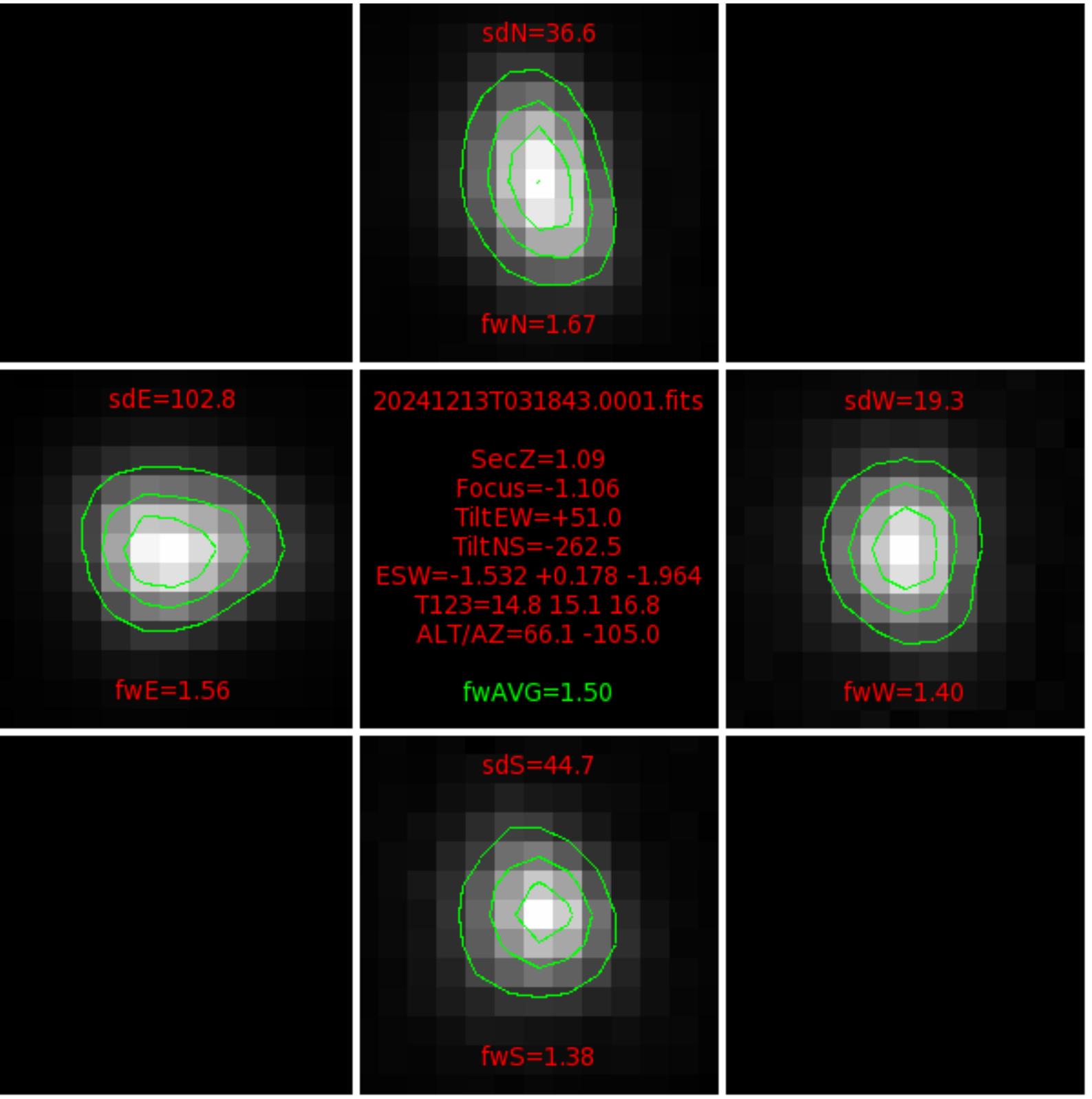
sdN=36.6
fwN=1.67
sdE=102.8
fwE=1.56
20241213T031843.0001.fits
SecZ=1.09
Focus=-1.106
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.532 +0.178 -1.964
T123=14.8 15.1 16.8
ALT/AZ=66.1 -105.0
fwAVG=1.50
sdW=19.3
fwW=1.40
sdS=44.7
fwS=1.38
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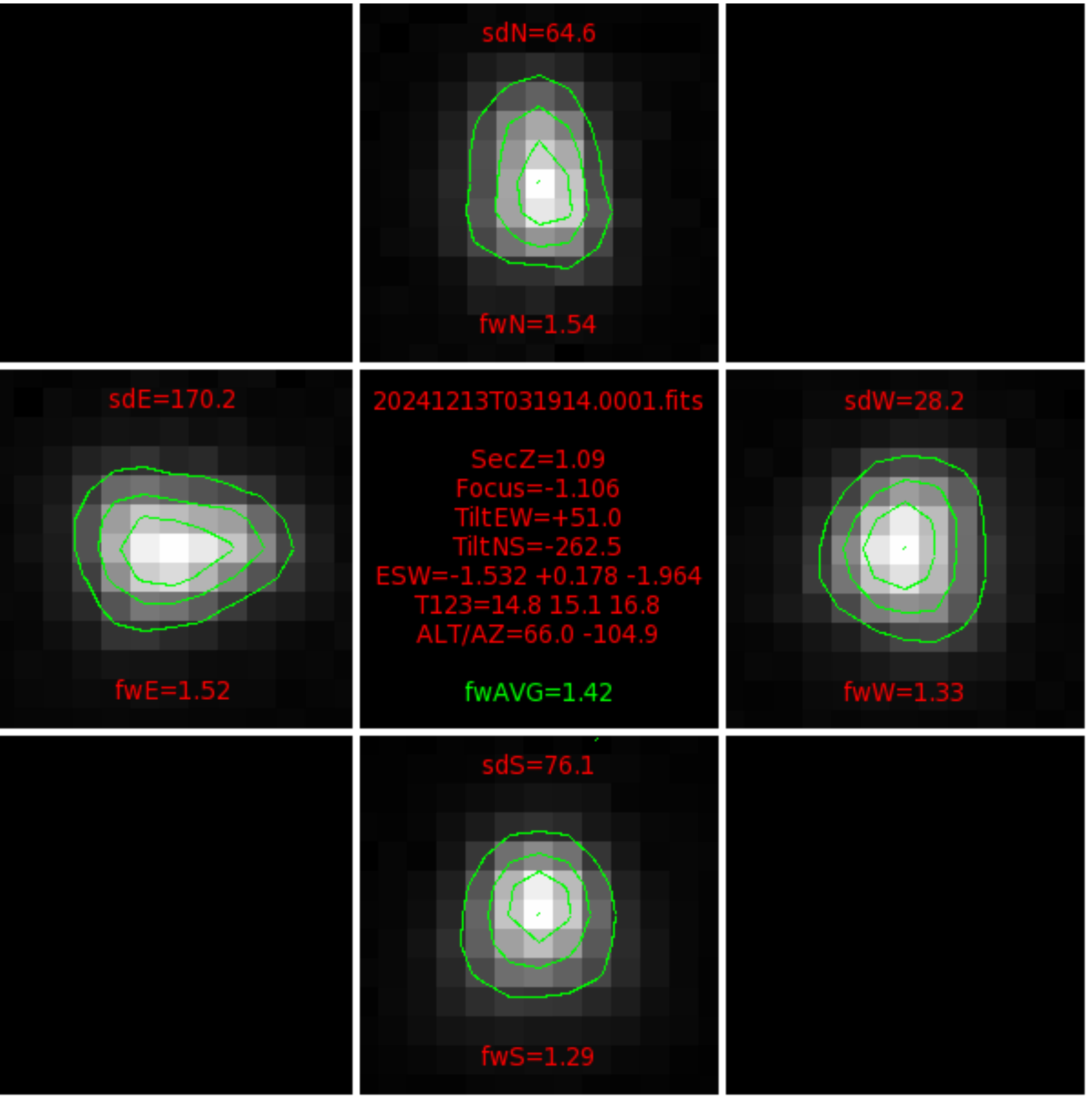
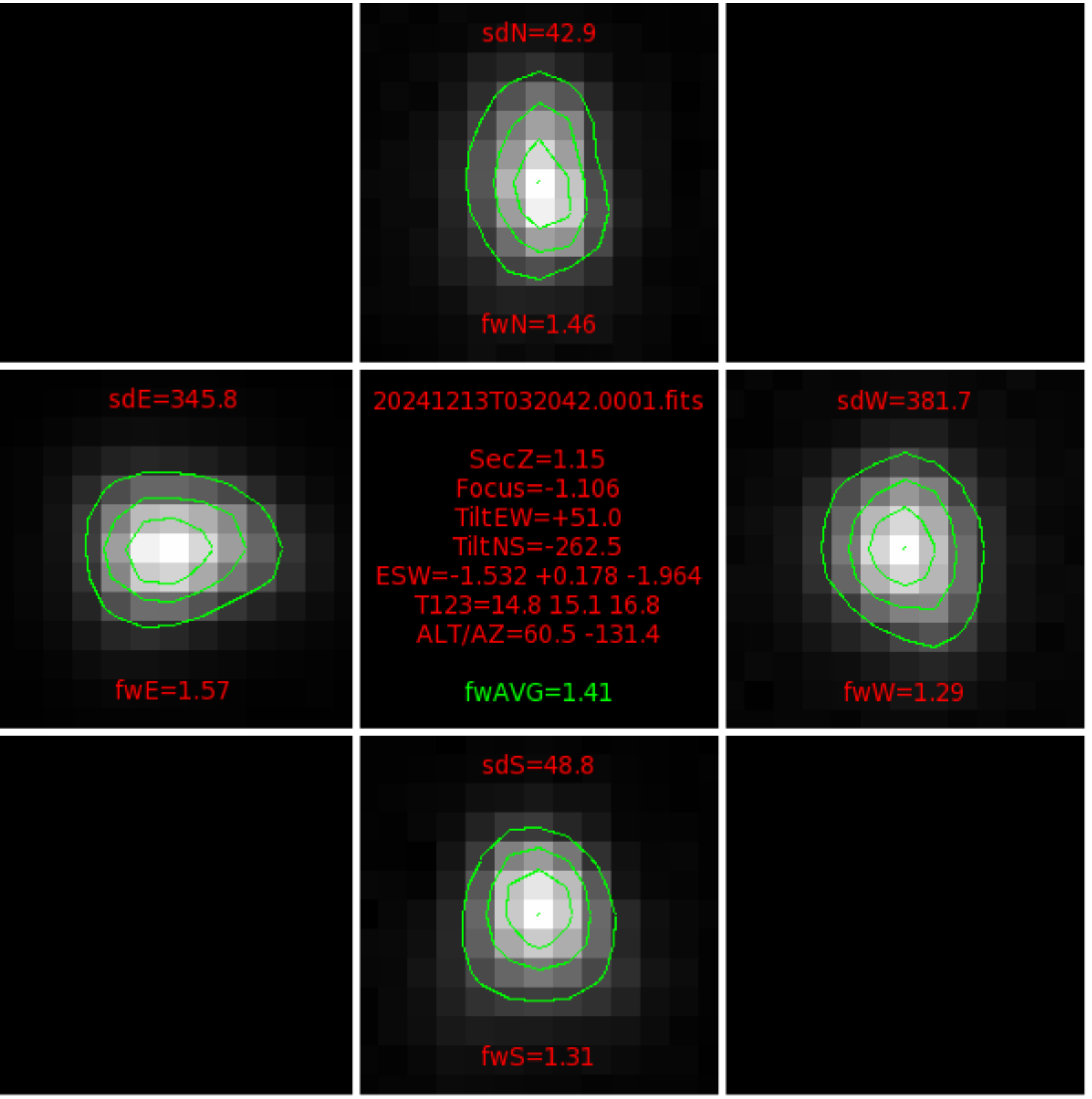
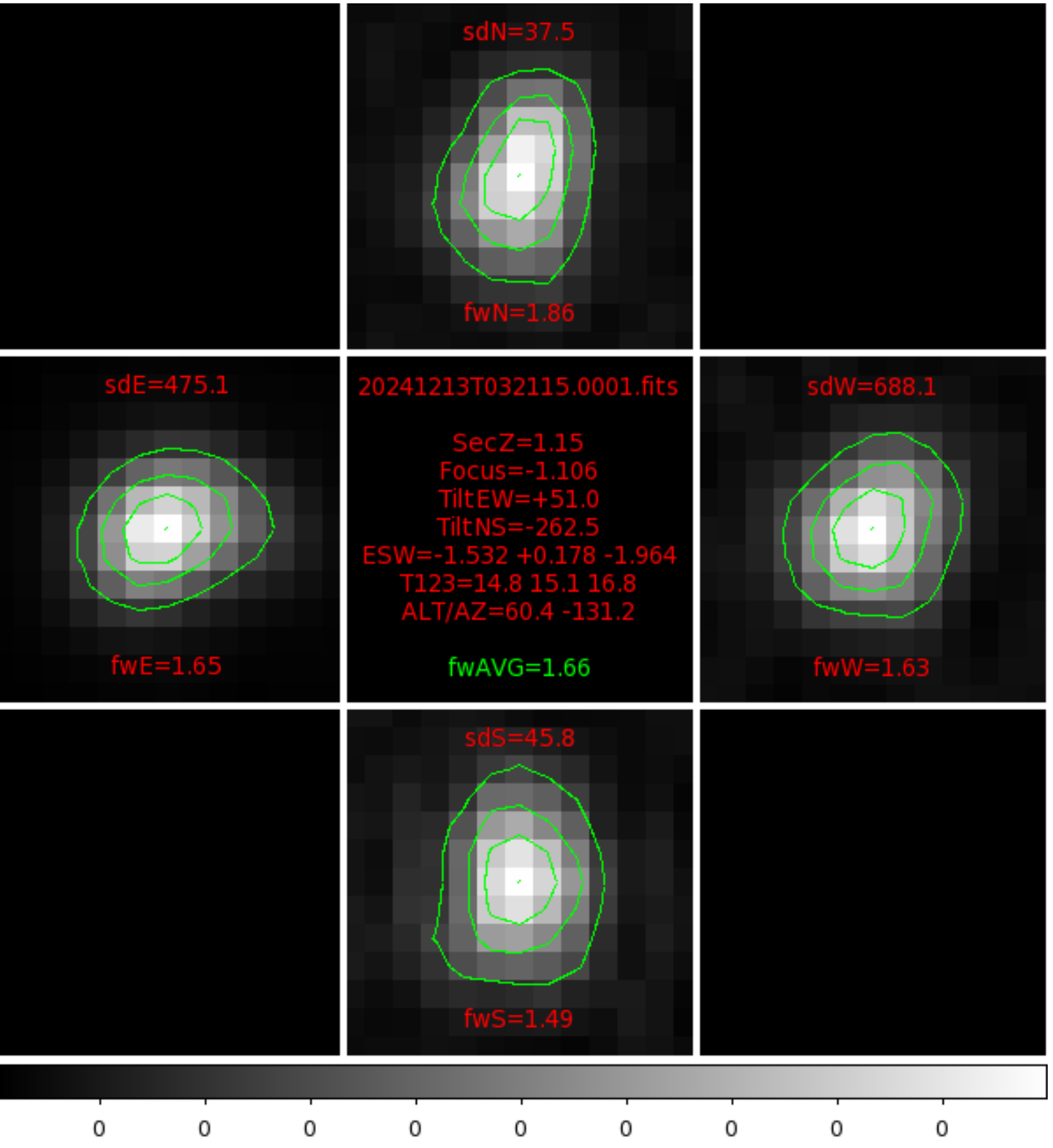

sdN=64.6
fwN=1.54
sdE=170.2
fwE=1.52
20241213T031914.0001.fits
SecZ=1.09
Focus=-1.106
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.532 +0.178 -1.964
T123=14.8 15.1 16.8
ALT/AZ=66.0 -104.9
fwAVG=1.42
sdW=28.2
fwW=1.33
sdS=76.1
fwS=1.29
0 0 0 0 0 0 0 0 0


sdN=42.9
fwN=1.46
sdE=345.8
fwE=1.57
20241213T032042.0001.fits
SecZ=1.15
Focus=-1.106
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.532 +0.178 -1.964
T123=14.8 15.1 16.8
ALT/AZ=60.5 -131.4
fwAVG=1.41
sdW=381.7
fwW=1.29
sdS=48.8
fwS=1.31
0 0 0 0 0 0 0 0 0


sdN=37.5
fwN=1.86
sdE=475.1
fwE=1.65
20241213T032115.0001.fits
SecZ=1.15
Focus=-1.106
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.532 +0.178 -1.964
T123=14.8 15.1 16.8
ALT/AZ=60.4 -131.2
fwAVG=1.66
sdW=688.1
fwW=1.63
sdS=45.8
fwS=1.49
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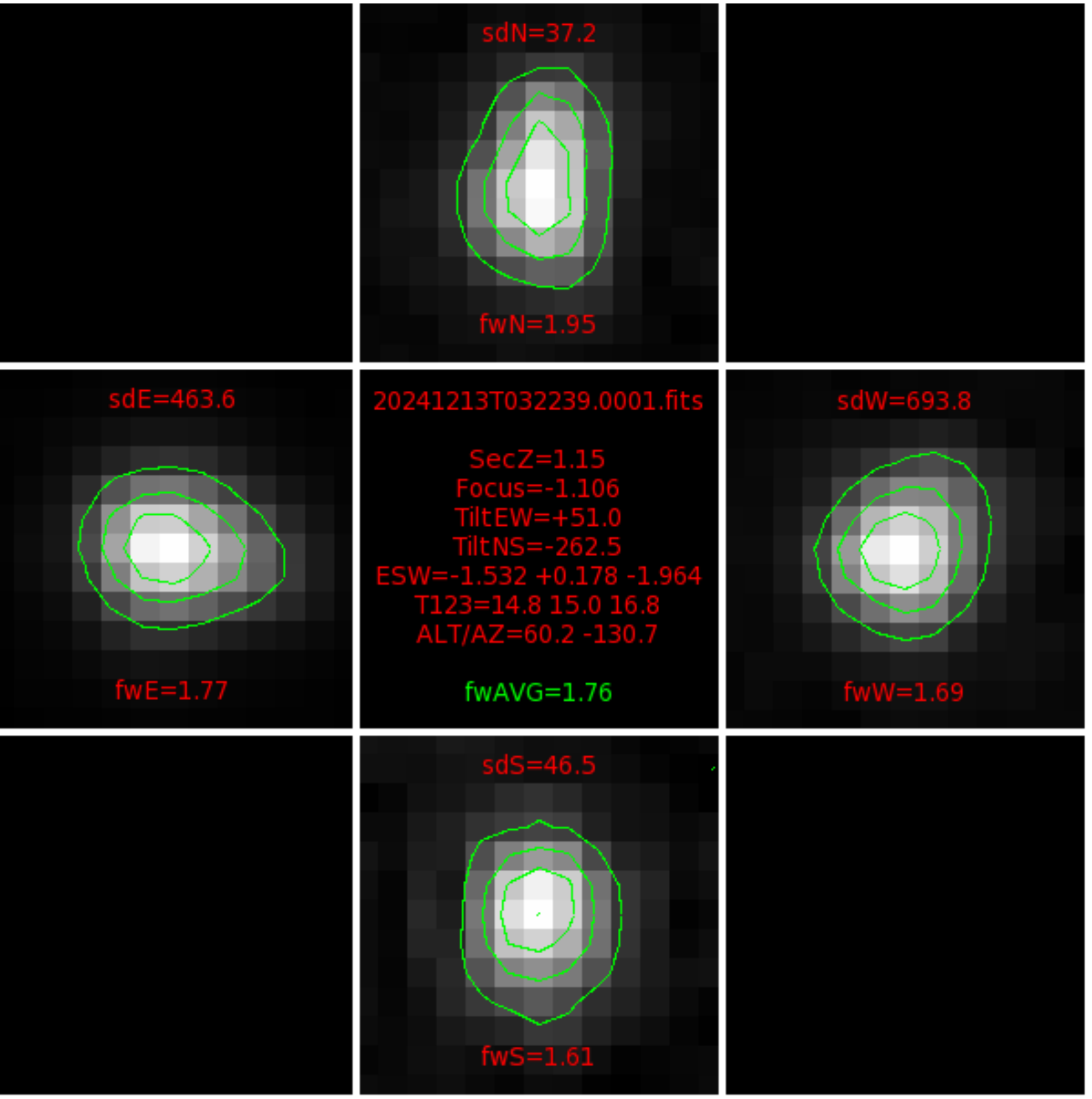
sdN=37.2
fwN=1.95
sdE=463.6
fwE=1.77
20241213T032239.0001.fits
SecZ=1.15
Focus=-1.106
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.532 +0.178 -1.964
T123=14.8 15.0 16.8
ALT/AZ=60.2 -130.7
fwAVG=1.76
sdW=693.8
fwW=1.69
sdS=46.5
fwS=1.61
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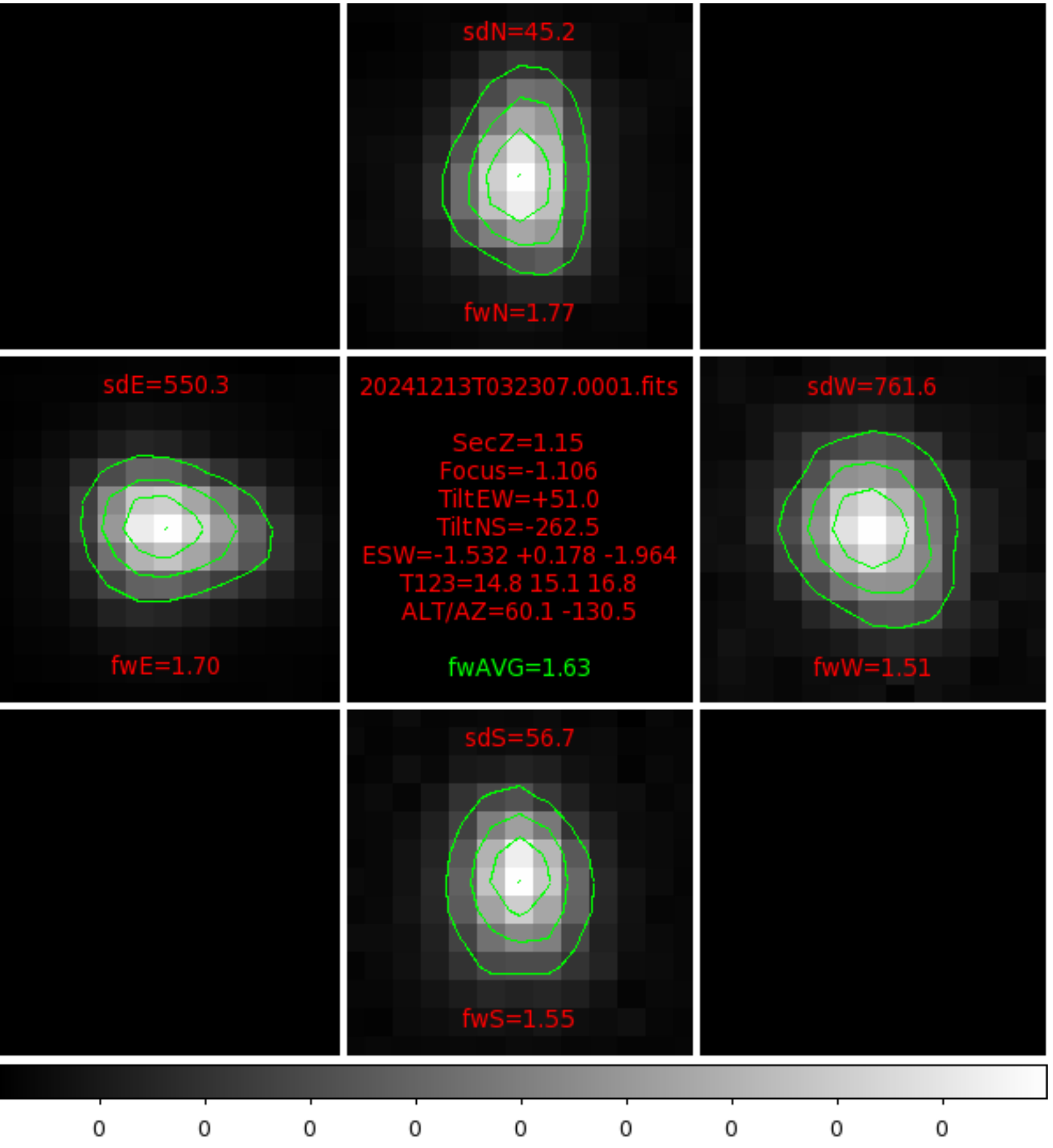
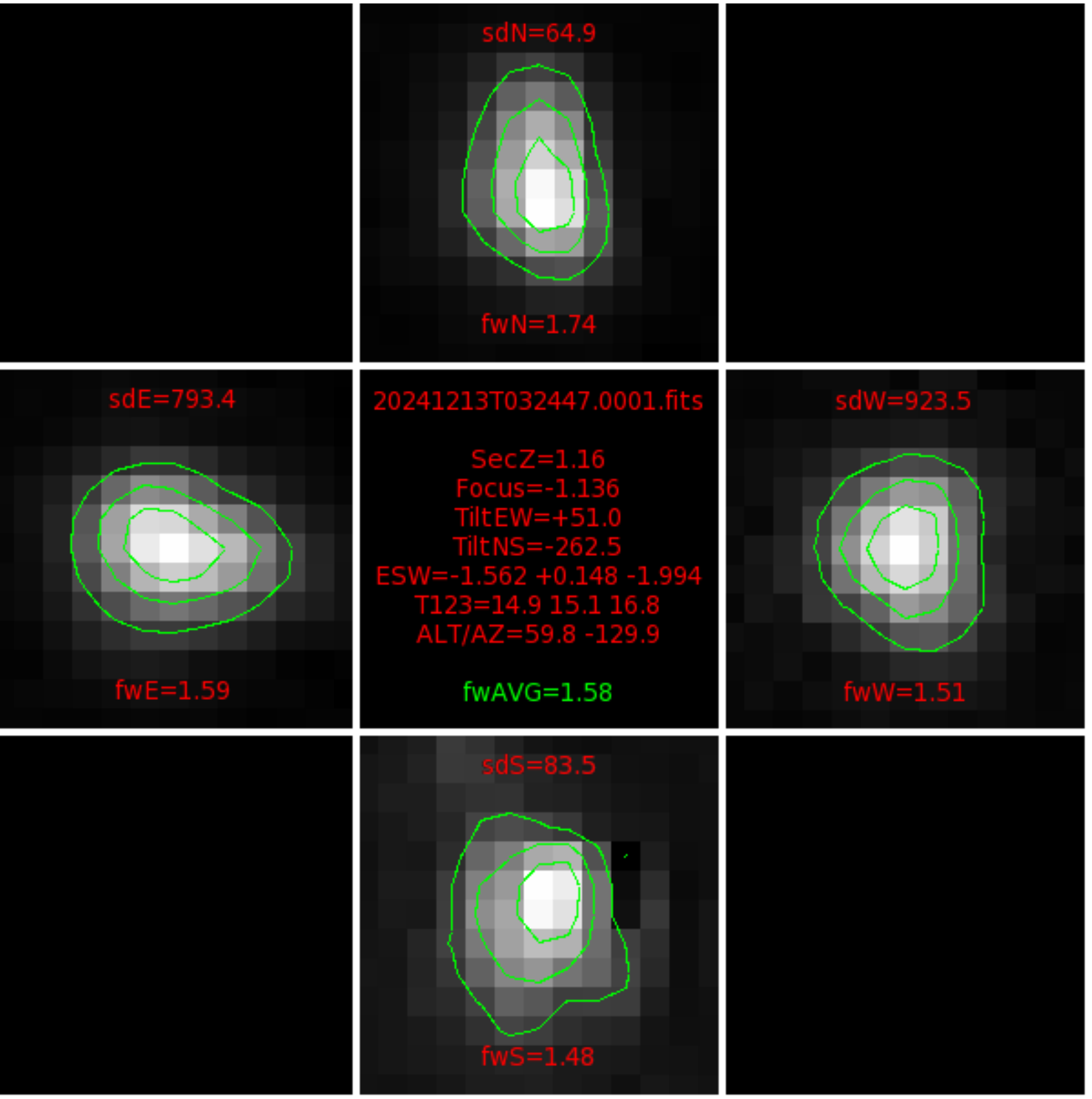

sdN=45.2
fwN=1.77
sdE=550.3
fwE=1.70
20241213T032307.0001.fits
SecZ=1.15
Focus=-1.106
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.532 +0.178 -1.964
T123=14.8 15.1 16.8
ALT/AZ=60.1 -130.5
fwAVG=1.63
sdW=761.6
fwW=1.51
sdS=56.7
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=64.9
fwN=1.74
sdE=793.4
fwE=1.59
20241213T032447.0001.fits
SecZ=1.16
Focus=-1.136
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.562 +0.148 -1.994
T123=14.9 15.1 16.8
ALT/AZ=59.8 -129.9
fwAVG=1.58
sdW=923.5
fwW=1.51
sdS=83.5
fwS=1.48
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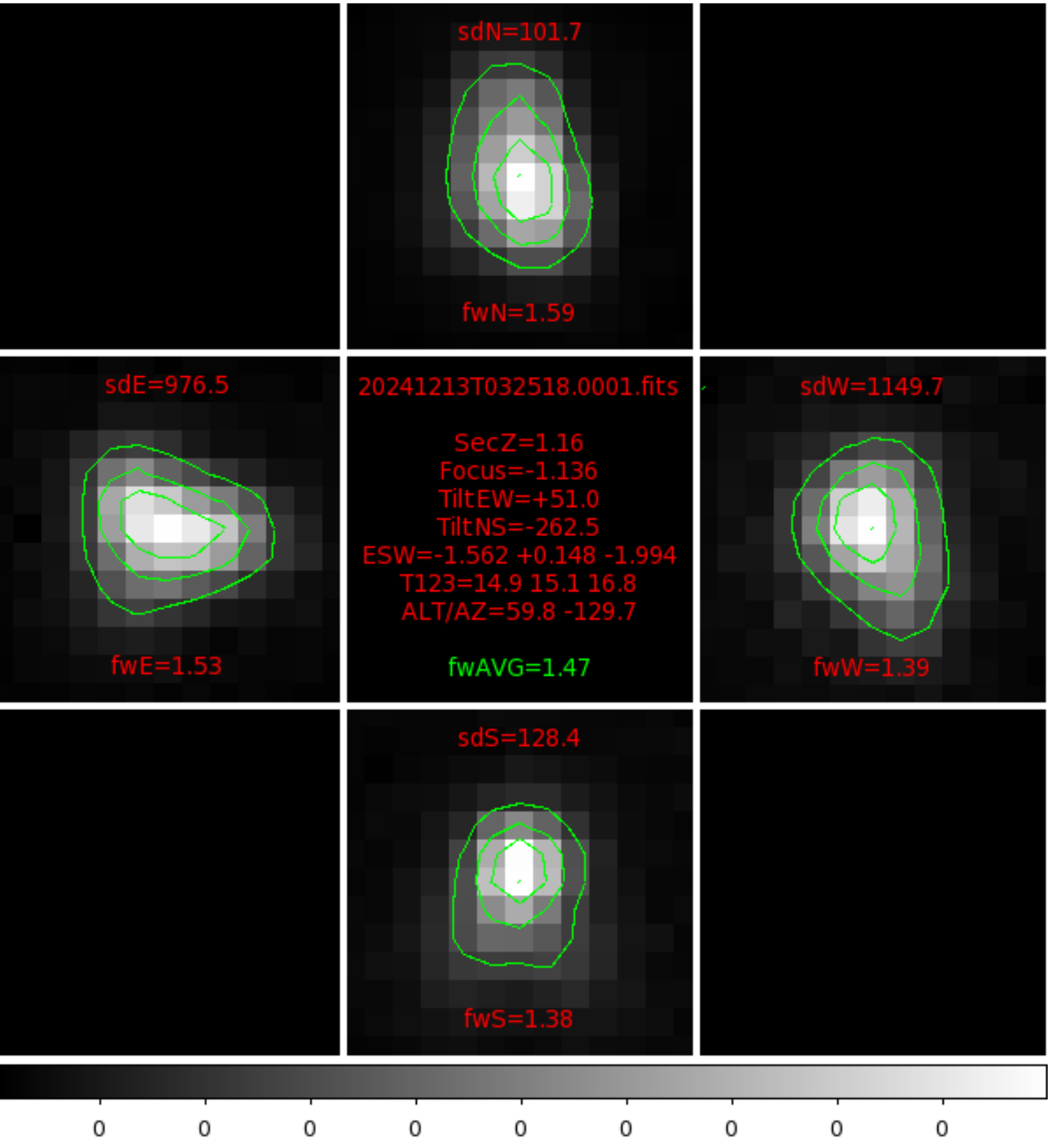
sdN=101.7
fwN=1.59
sdE=976.5
fwE=1.53
20241213T032518.0001.fits
SecZ=1.16
Focus=-1.136
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.562 +0.148 -1.994
T123=14.9 15.1 16.8
ALT/AZ=59.8 -129.7
fwAVG=1.47
sdW=1149.7
fwW=1.39
sdS=128.4
fwS=1.38
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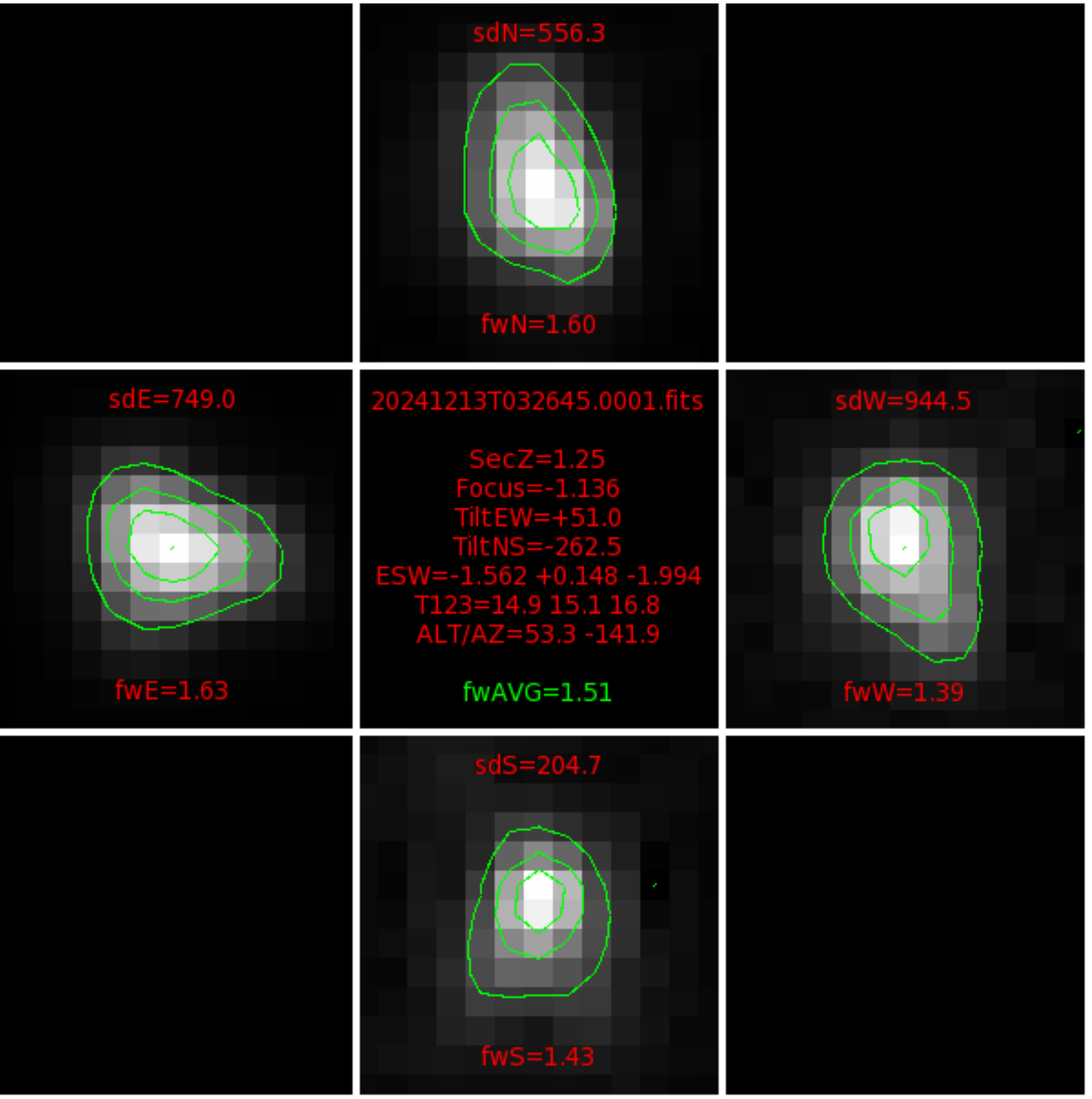
sdN=556.3
fwN=1.60
sdE=749.0
fwE=1.63
20241213T032645.0001.fits
SecZ=1.25
Focus=-1.136
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.562 +0.148 -1.994
T123=14.9 15.1 16.8
ALT/AZ=53.3 -141.9
fwAVG=1.51
sdW=944.5
fwW=1.39
sdS=204.7
fwS=1.43
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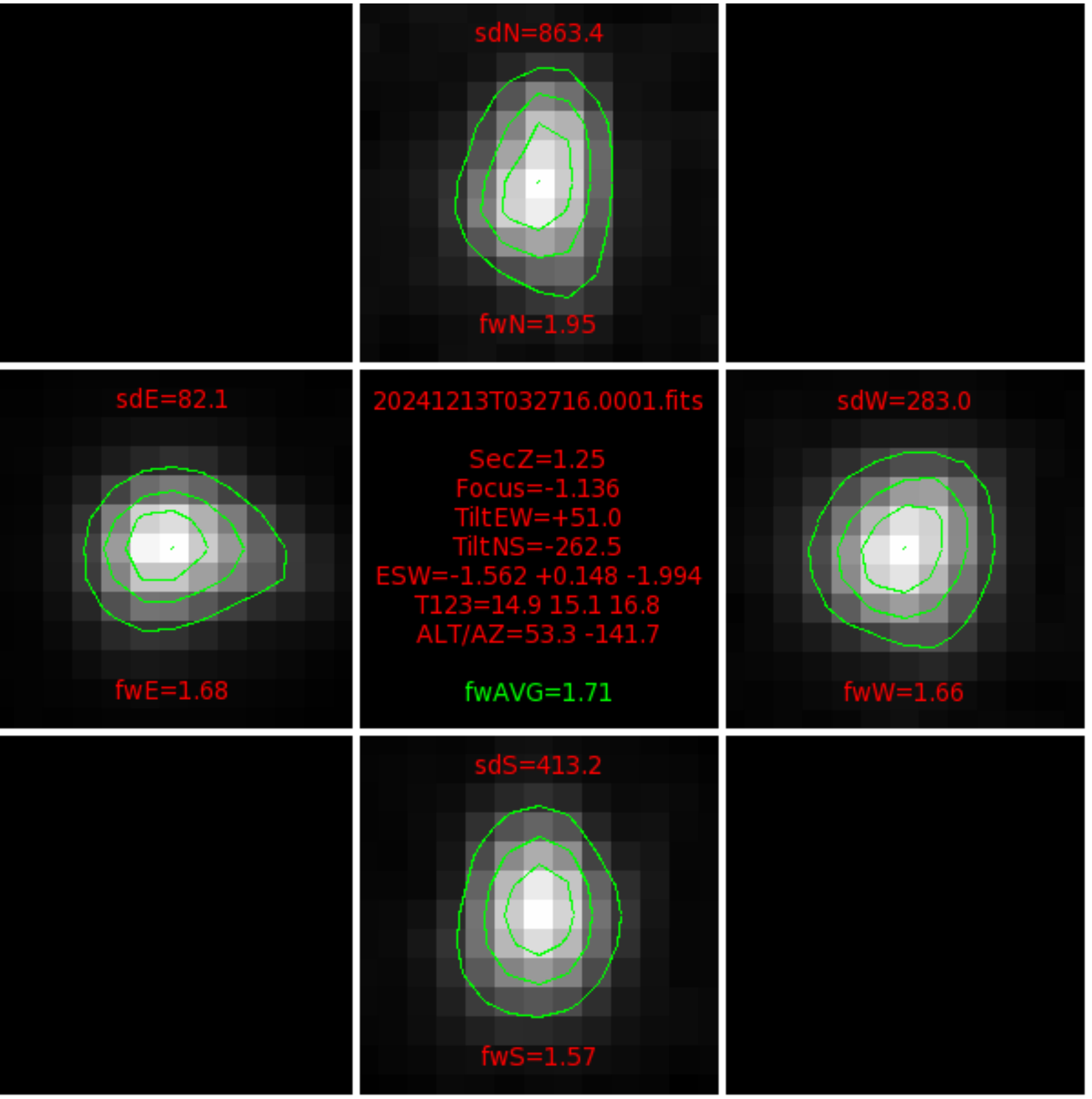
sdN=863.4
fwN=1.95
sdE=82.1
fwE=1.68
20241213T032716.0001.fits
SecZ=1.25
Focus=-1.136
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.562 +0.148 -1.994
T123=14.9 15.1 16.8
ALT/AZ=53.3 -141.7
fwAVG=1.71
sdW=283.0
fwW=1.66
sdS=413.2
fwS=1.57
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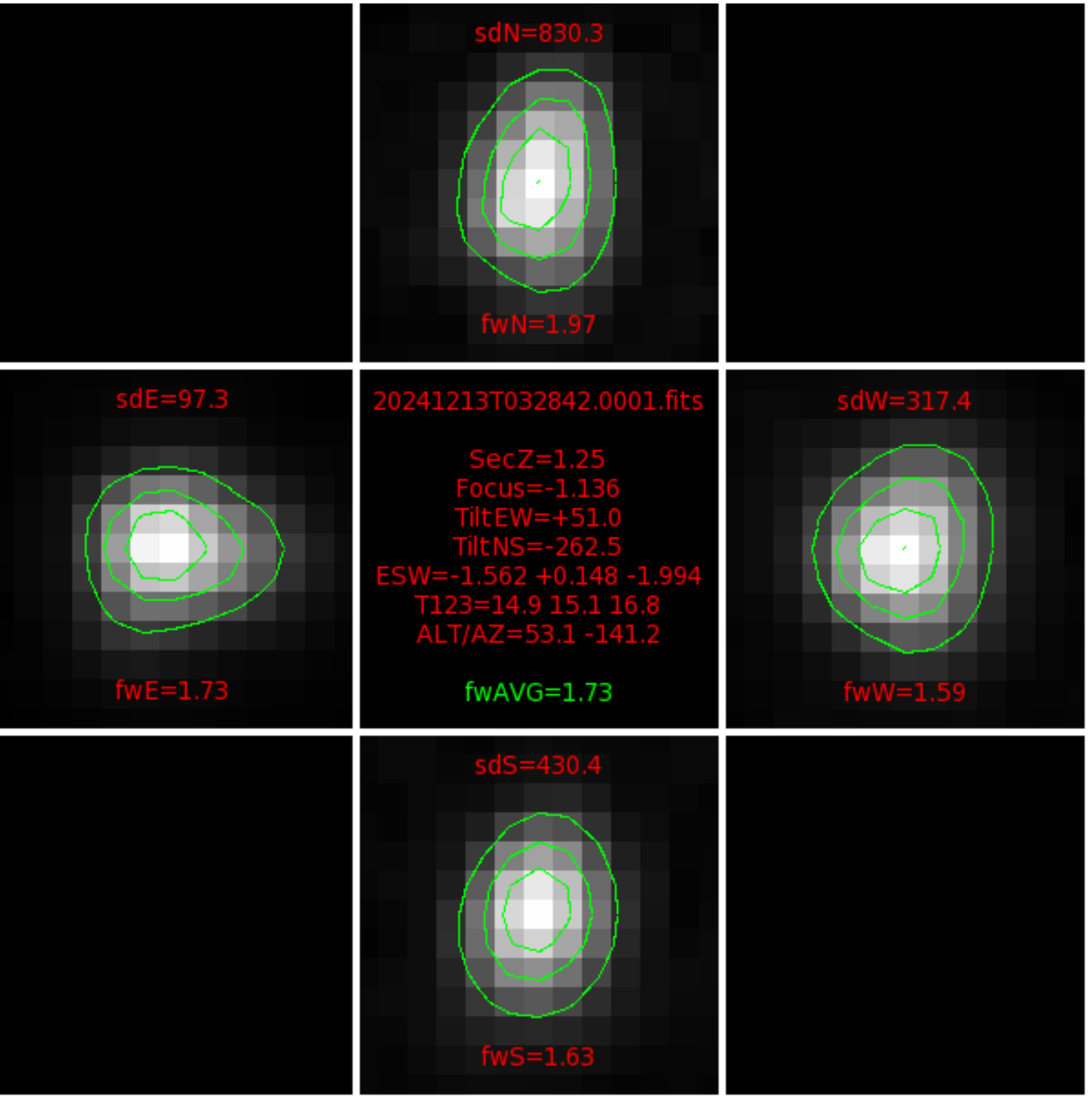
sdN=830.3
fwN=1.97
sdE=97.3
fwE=1.73
20241213T032842.0001.fits
SecZ=1.25
Focus=-1.136
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.562 +0.148 -1.994
T123=14.9 15.1 16.8
ALT/AZ=53.1 -141.2
fwAVG=1.73
sdW=317.4
fwW=1.59
sdS=430.4
fwS=1.63
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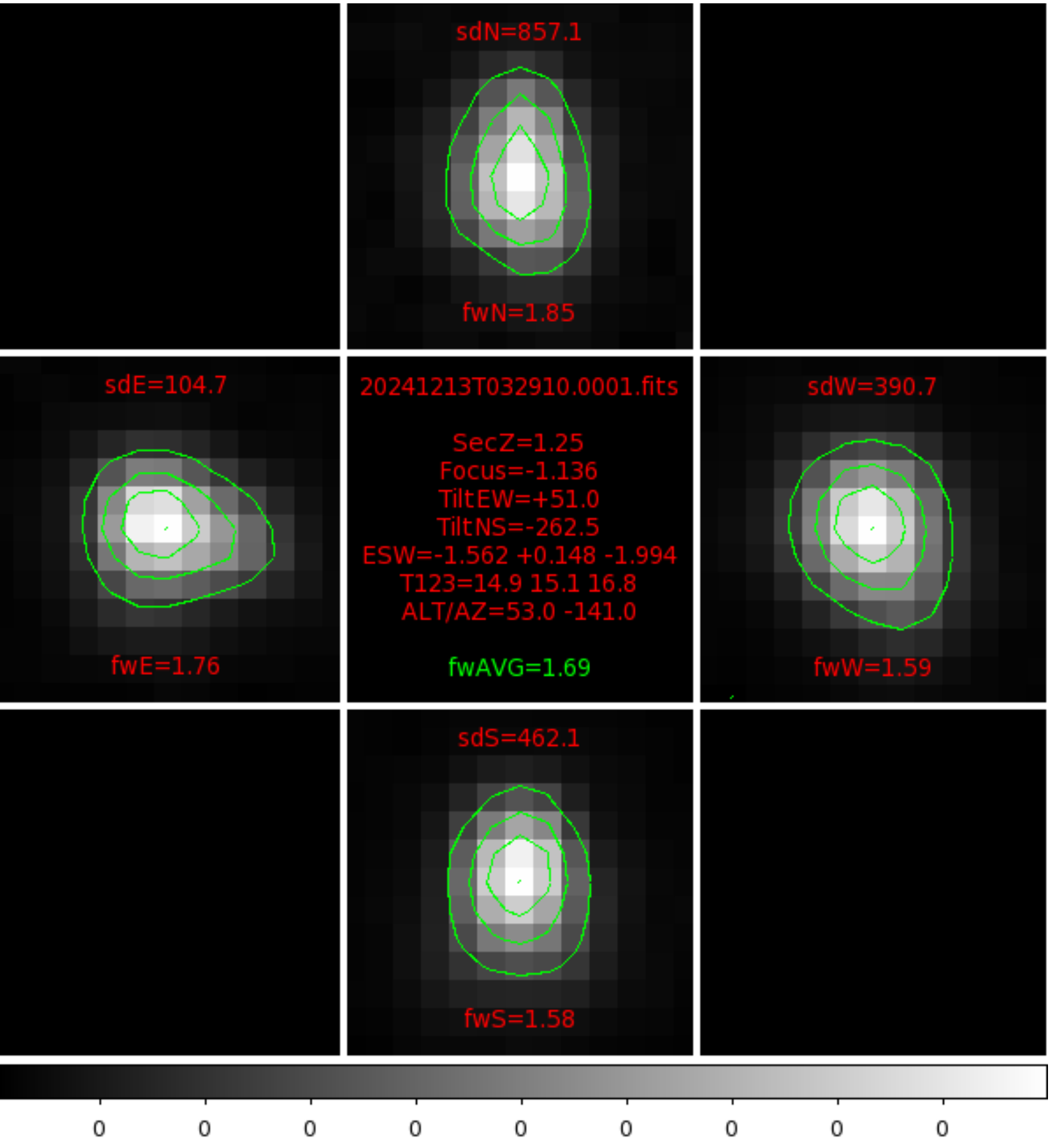
sdN=857.1
fwN=1.85
sdE=104.7
fwE=1.76
20241213T032910.0001.fits
SecZ=1.25
Focus=-1.136
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.562 +0.148 -1.994
T123=14.9 15.1 16.8
ALT/AZ=53.0 -141.0
fwAVG=1.69
sdW=390.7
fwW=1.59
sdS=462.1
fwS=1.58
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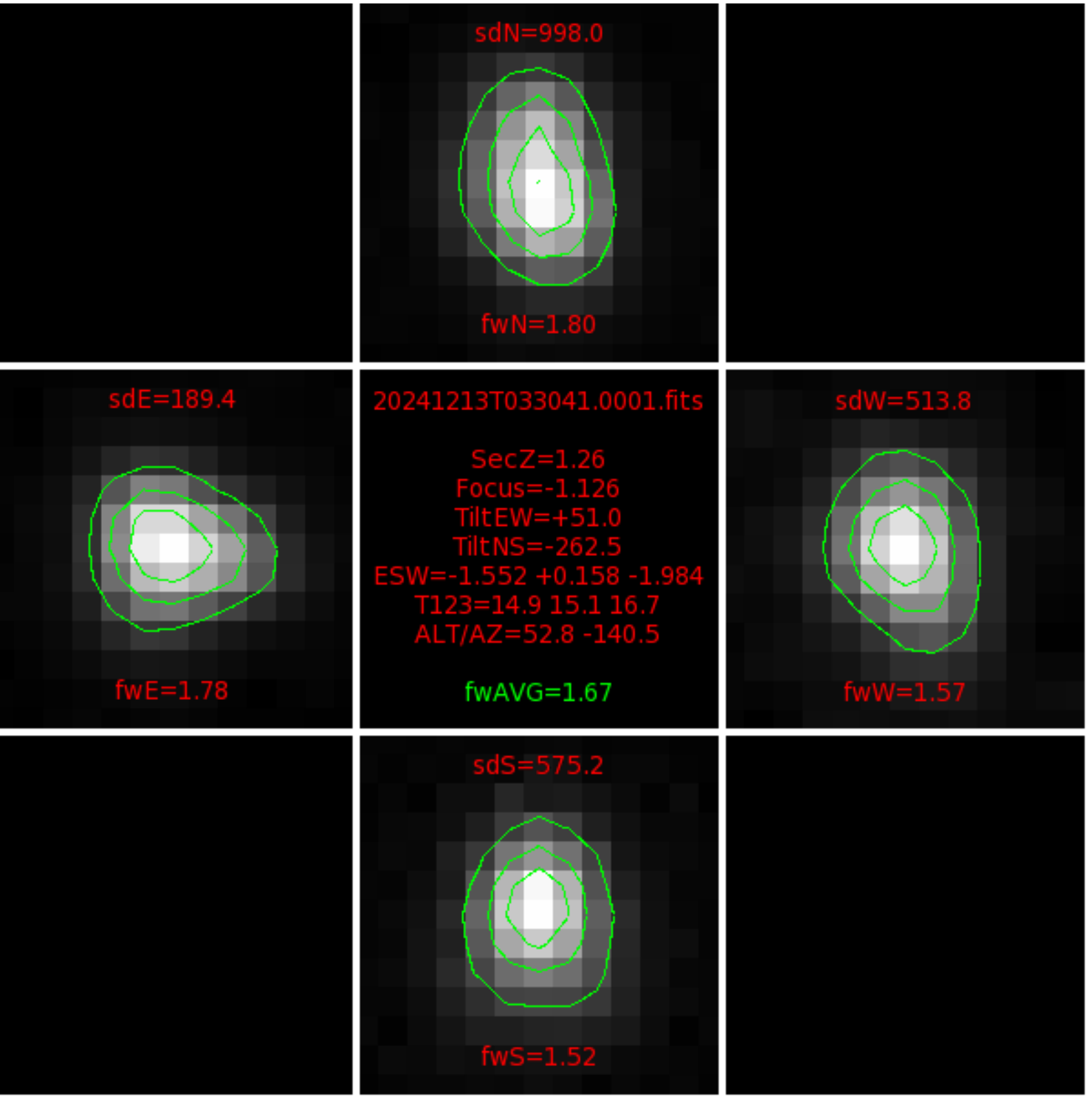
sdN=998.0
fwN=1.80
sdE=189.4
fwE=1.78
20241213T033041.0001.fits
SecZ=1.26
Focus=-1.126
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.552 +0.158 -1.984
T123=14.9 15.1 16.7
ALT/AZ=52.8 -140.5
fwAVG=1.67
sdW=513.8
fwW=1.57
sdS=575.2
fwS=1.52
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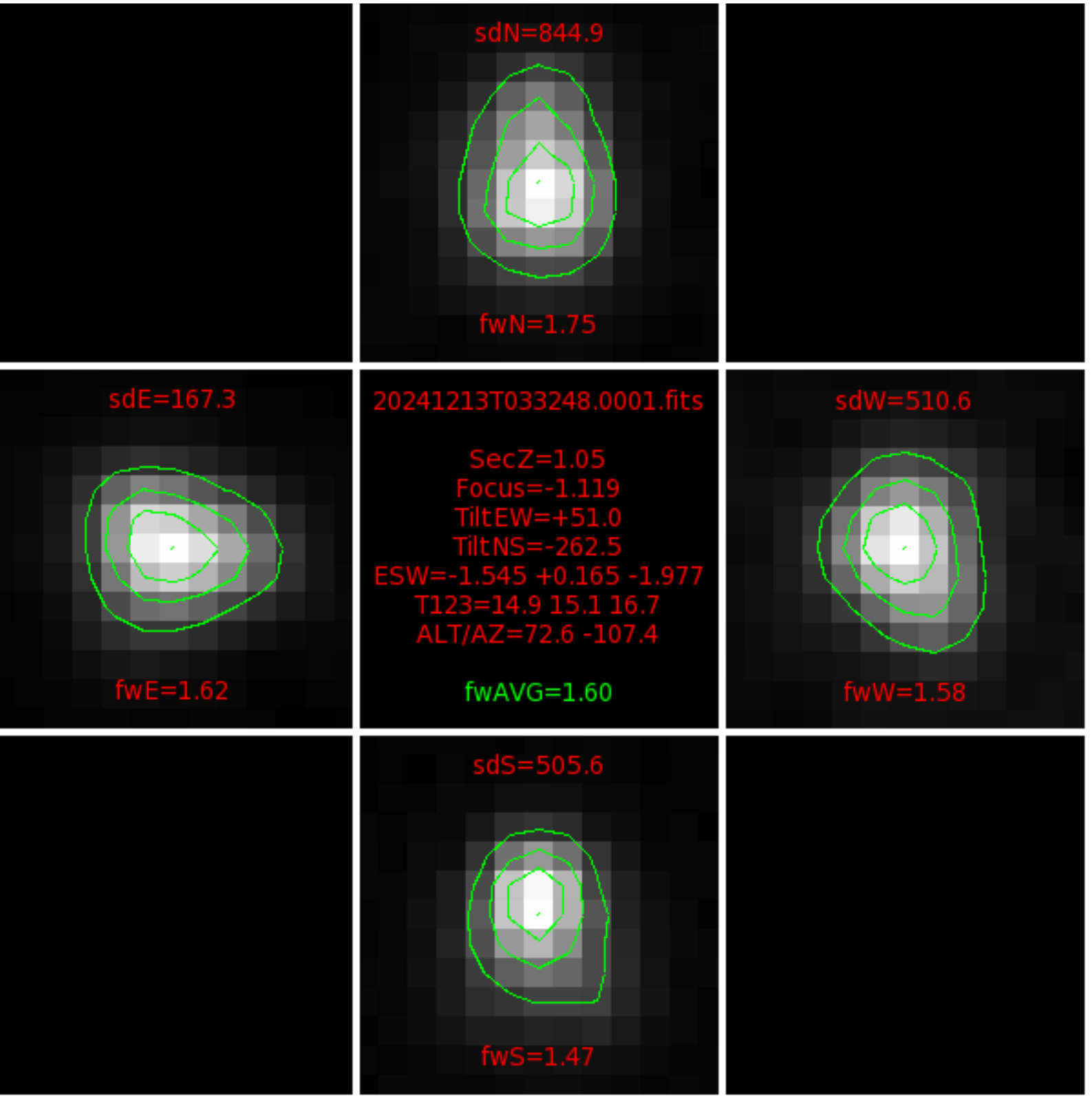
sdN=844.9
fwN=1.75
sdE=167.3
fwE=1.62
20241213T033248.0001.fits
SecZ=1.05
Focus=-1.119
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.545 +0.165 -1.977
T123=14.9 15.1 16.7
ALT/AZ=72.6 -107.4
fwAVG=1.60
sdW=510.6
fwW=1.58
sdS=505.6
fwS=1.47
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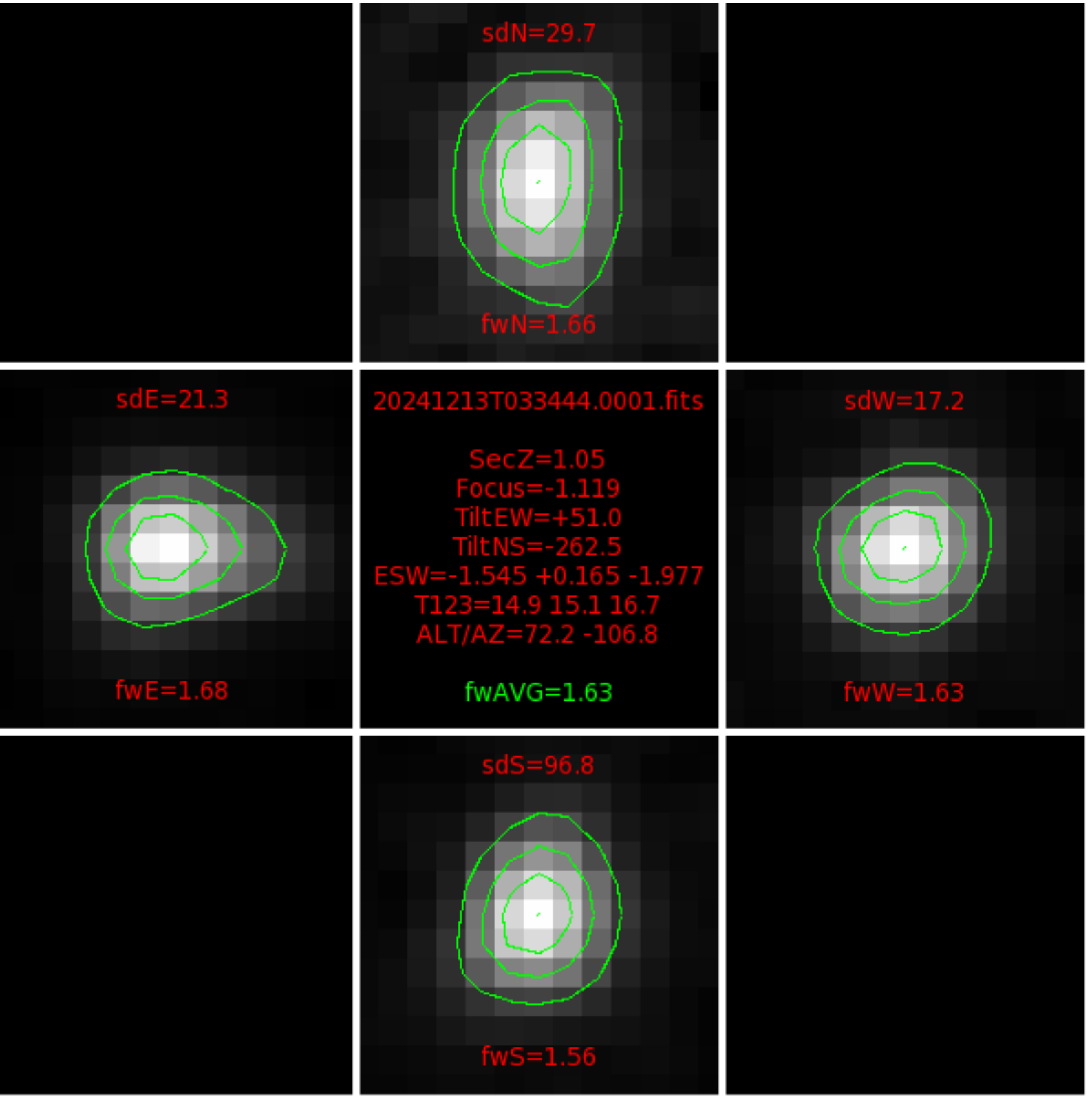
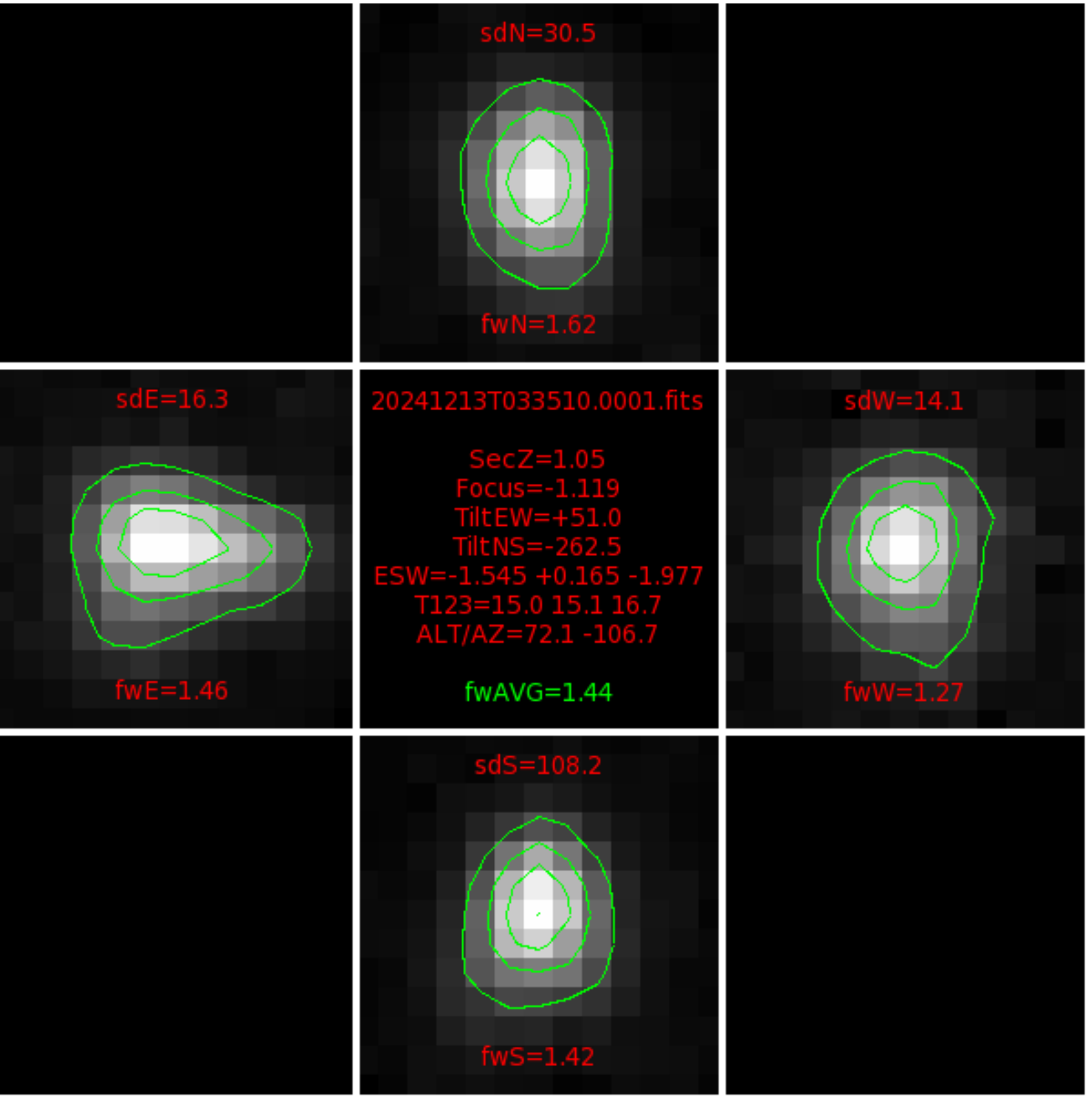

sdN=29.7
fwN=1.66
sdE=21.3
fwE=1.68
20241213T033444.0001.fits
SecZ=1.05
Focus=-1.119
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.545 +0.165 -1.977
T123=14.9 15.1 16.7
ALT/AZ=72.2 -106.8
fwAVG=1.63
sdW=17.2
fwW=1.63
sdS=96.8
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=30.5
fwN=1.62
sdE=16.3
fwE=1.46
20241213T033510.0001.fits
SecZ=1.05
Focus=-1.119
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.545 +0.165 -1.977
T123=15.0 15.1 16.7
ALT/AZ=72.1 -106.7
fwAVG=1.44
sdW=14.1
fwW=1.27
sdS=108.2
fwS=1.42
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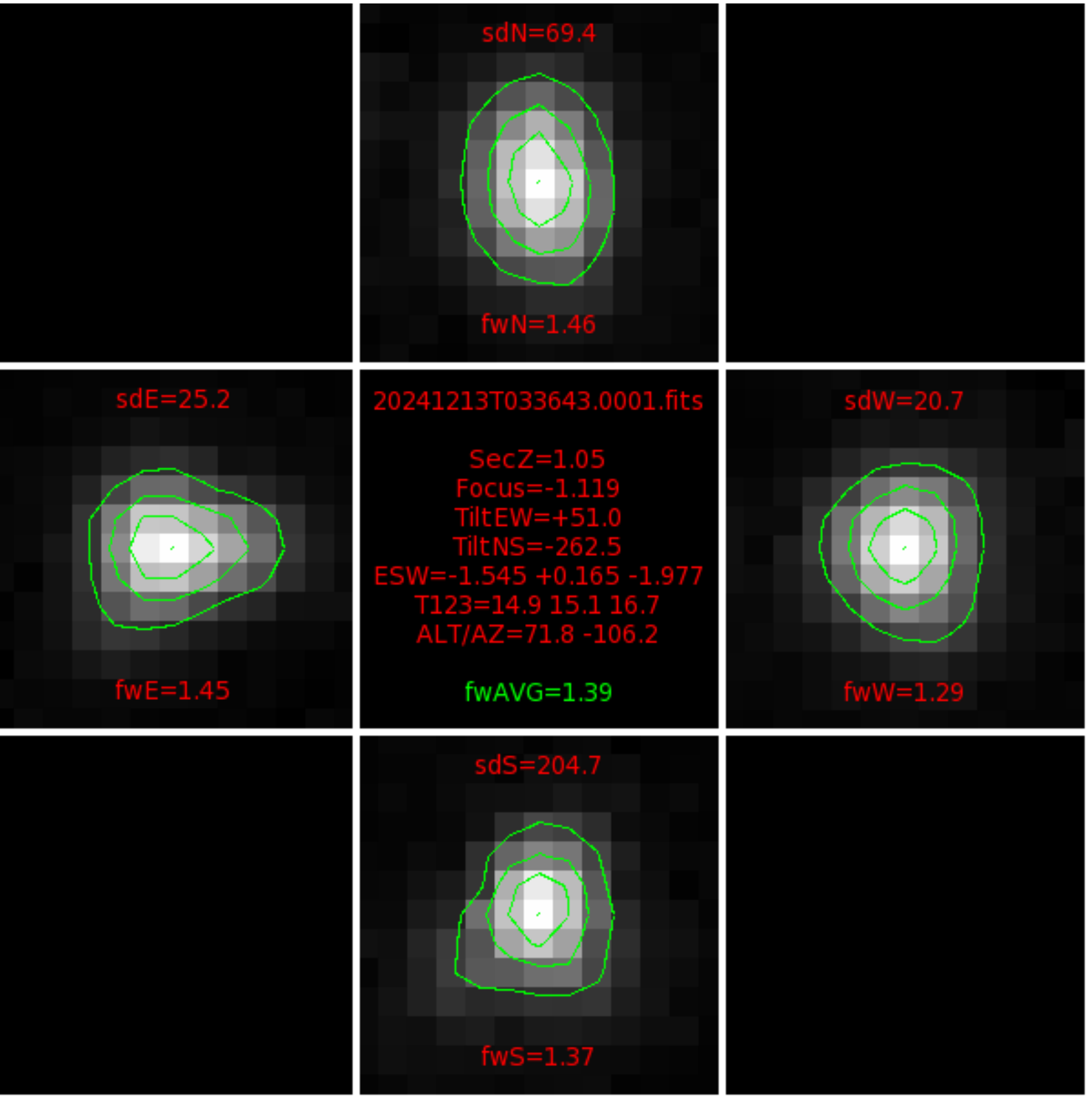
sdN=69.4
fwN=1.46
sdE=25.2
fwE=1.45
20241213T033643.0001.fits
SecZ=1.05
Focus=-1.119
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.545 +0.165 -1.977
T123=14.9 15.1 16.7
ALT/AZ=71.8 -106.2
fwAVG=1.39
sdW=20.7
fwW=1.29
sdS=204.7
fwS=1.37
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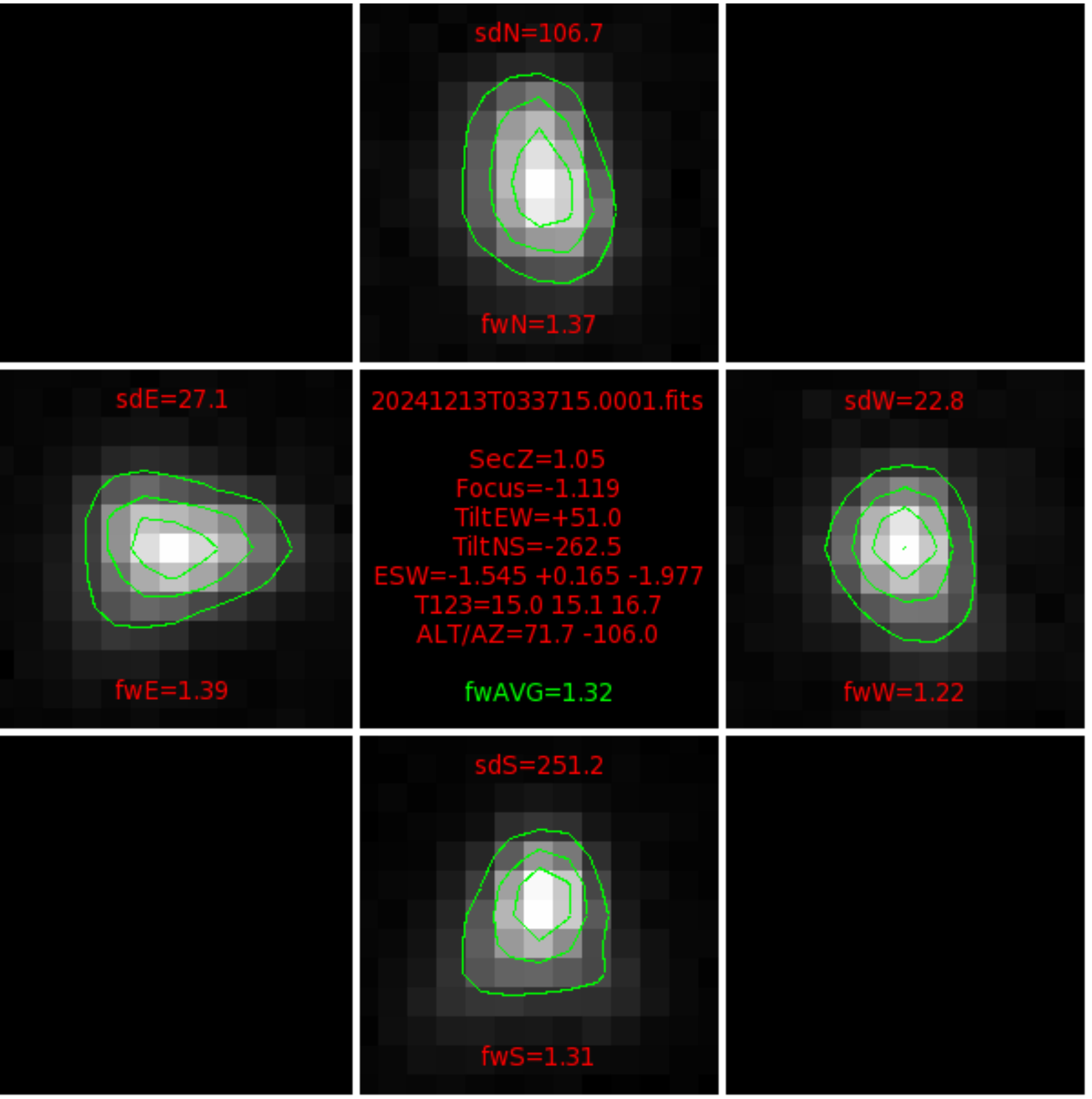
sdN=106.7
fwN=1.37
sdE=27.1
fwE=1.39
20241213T033715.0001.fits
SecZ=1.05
Focus=-1.119
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.545 +0.165 -1.977
T123=15.0 15.1 16.7
ALT/AZ=71.7 -106.0
fwAVG=1.32
sdW=22.8
fwW=1.22
sdS=251.2
fwS=1.31
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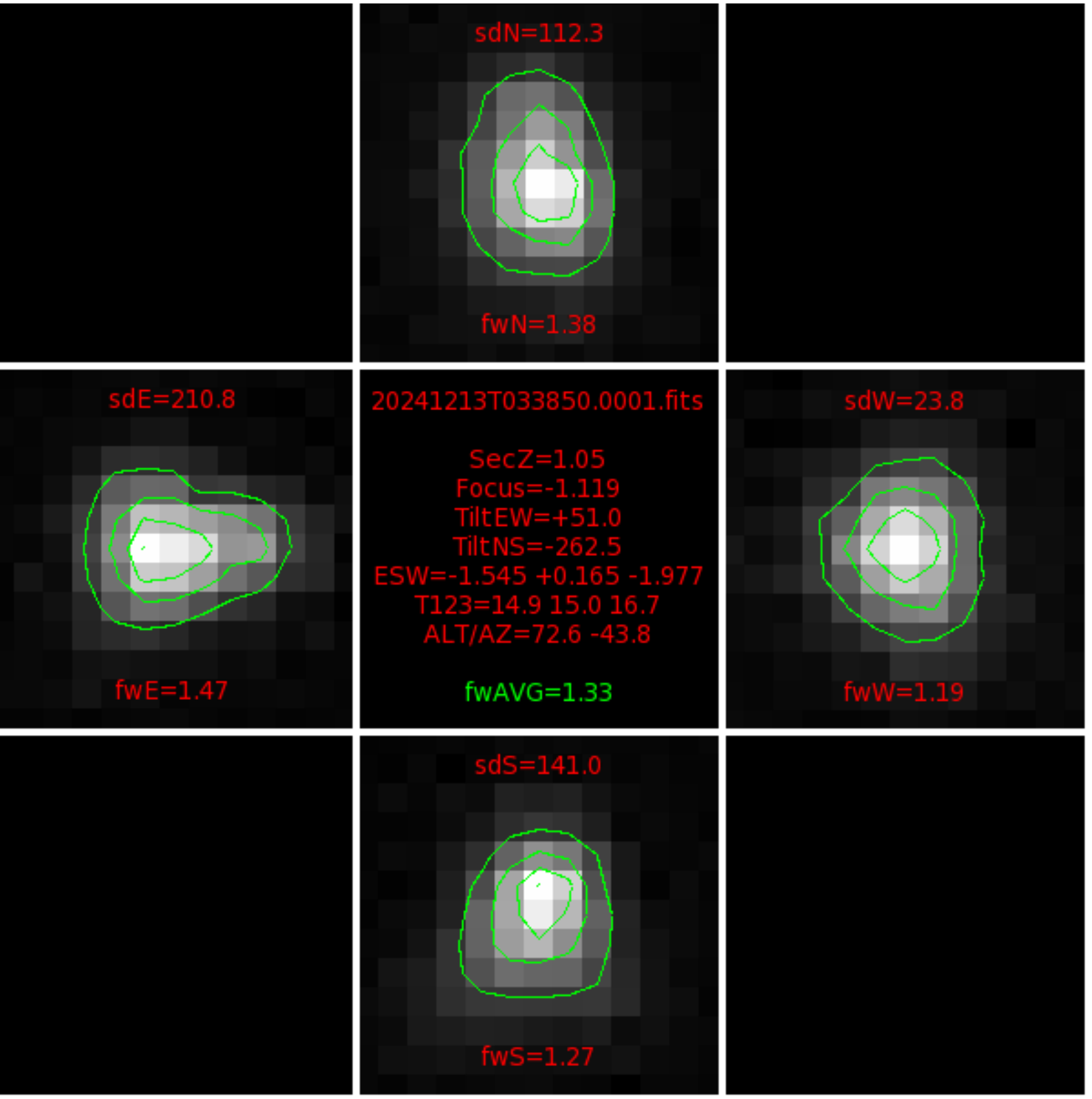
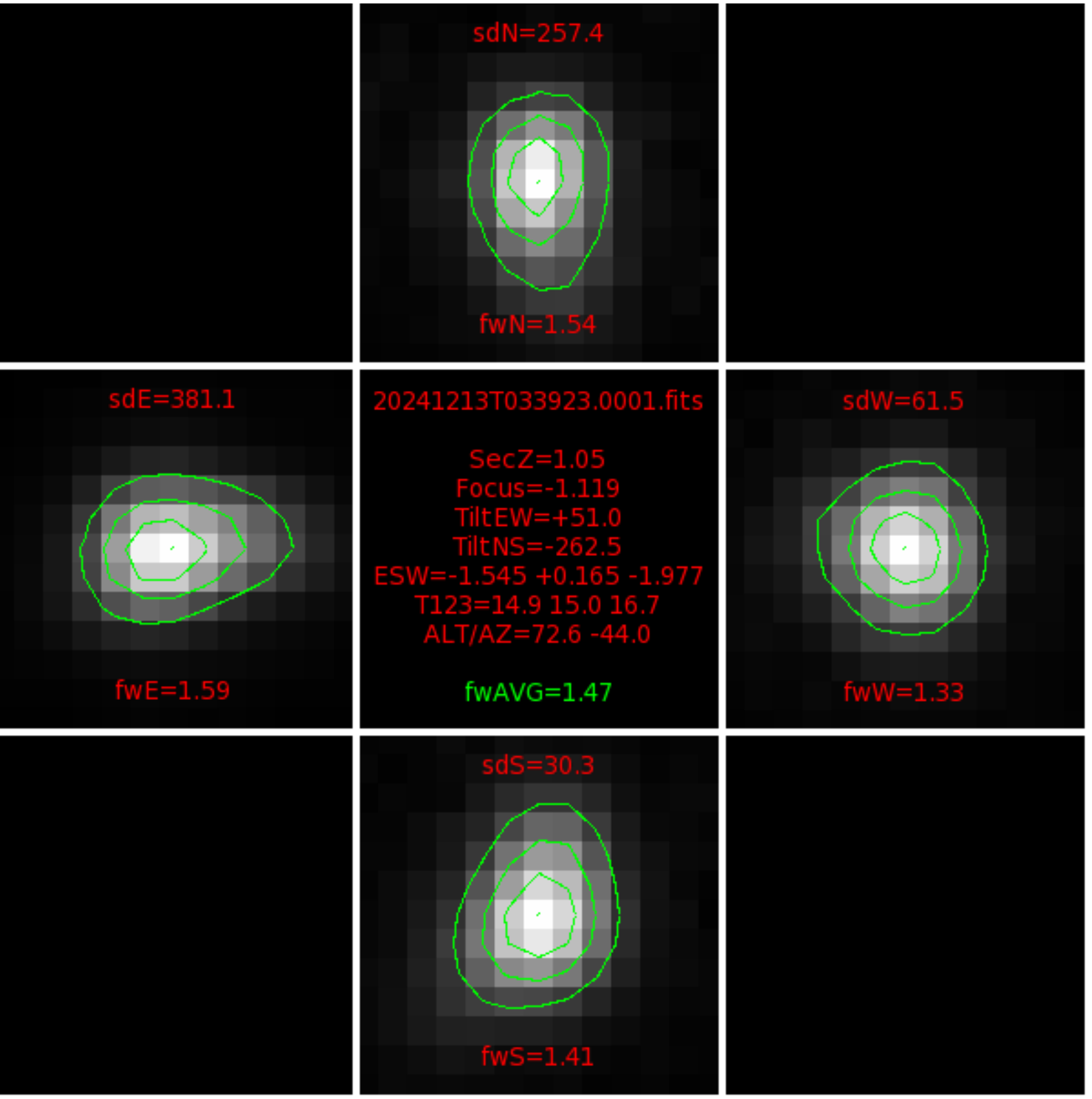

sdN=112.3
fwN=1.38
sdE=210.8
fwE=1.47
20241213T033850.0001.fits
SecZ=1.05
Focus=-1.119
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.545 +0.165 -1.977
T123=14.9 15.0 16.7
ALT/AZ=72.6 -43.8
fwAVG=1.33
sdW=23.8
fwW=1.19
sdS=141.0
fwS=1.27
0 0 0 0 0 0 0 0 0


sdN=257.4
fwN=1.54
sdE=381.1
fwE=1.59
20241213T033923.0001.fits
SecZ=1.05
Focus=-1.119
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.545 +0.165 -1.977
T123=14.9 15.0 16.7
ALT/AZ=72.6 -44.0
fwAVG=1.47
sdW=61.5
fwW=1.33
sdS=30.3
fwS=1.41
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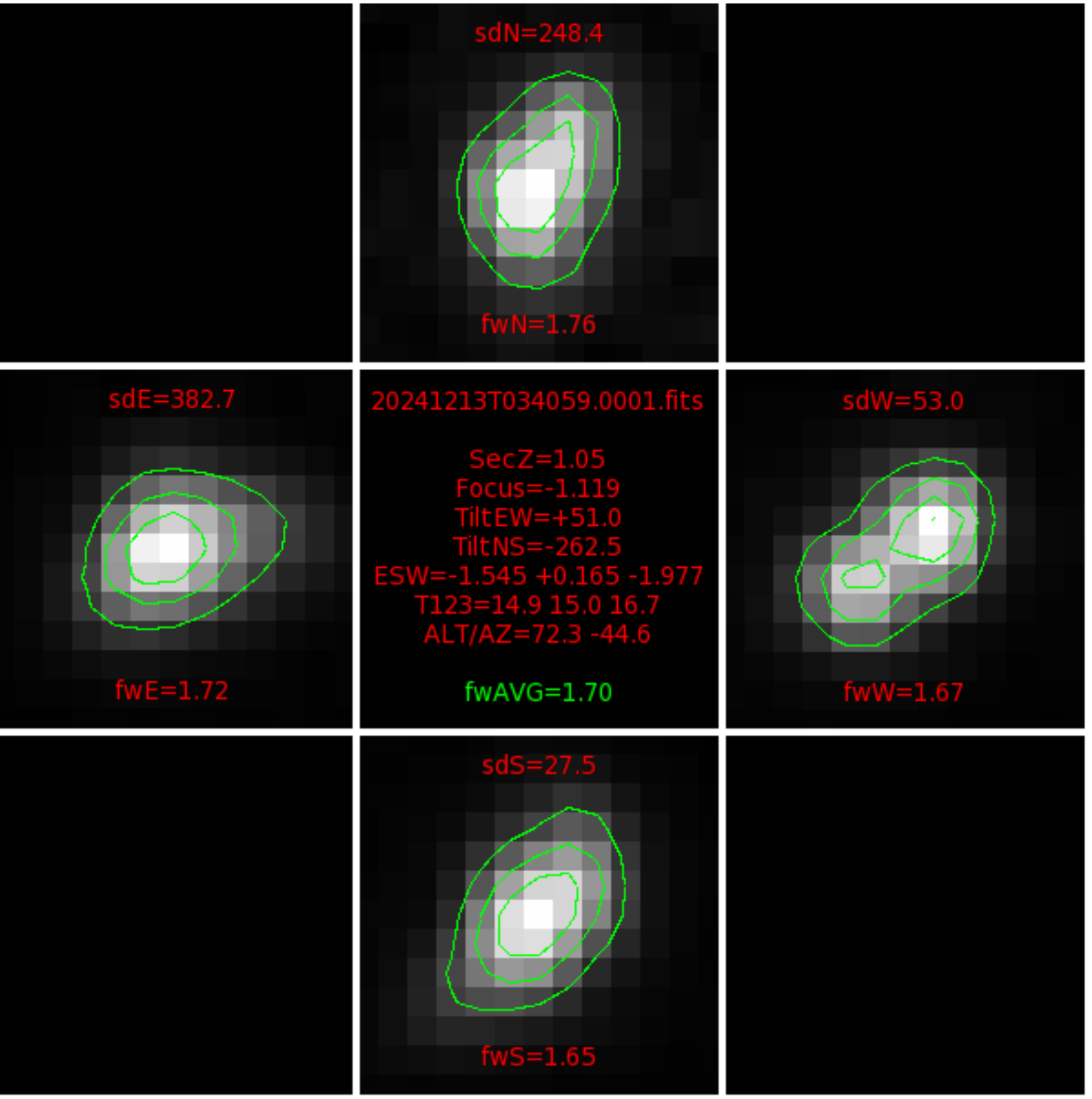
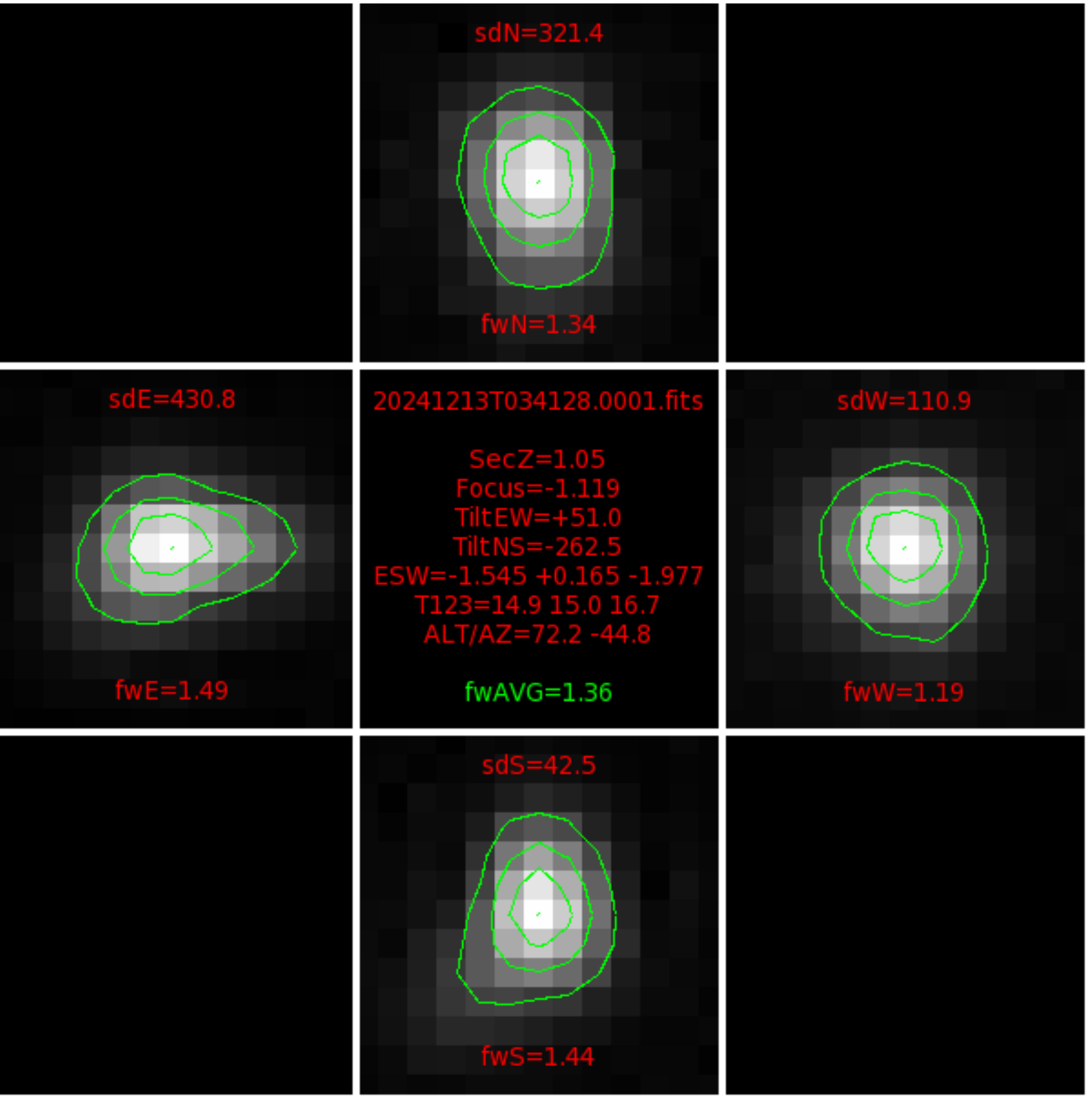
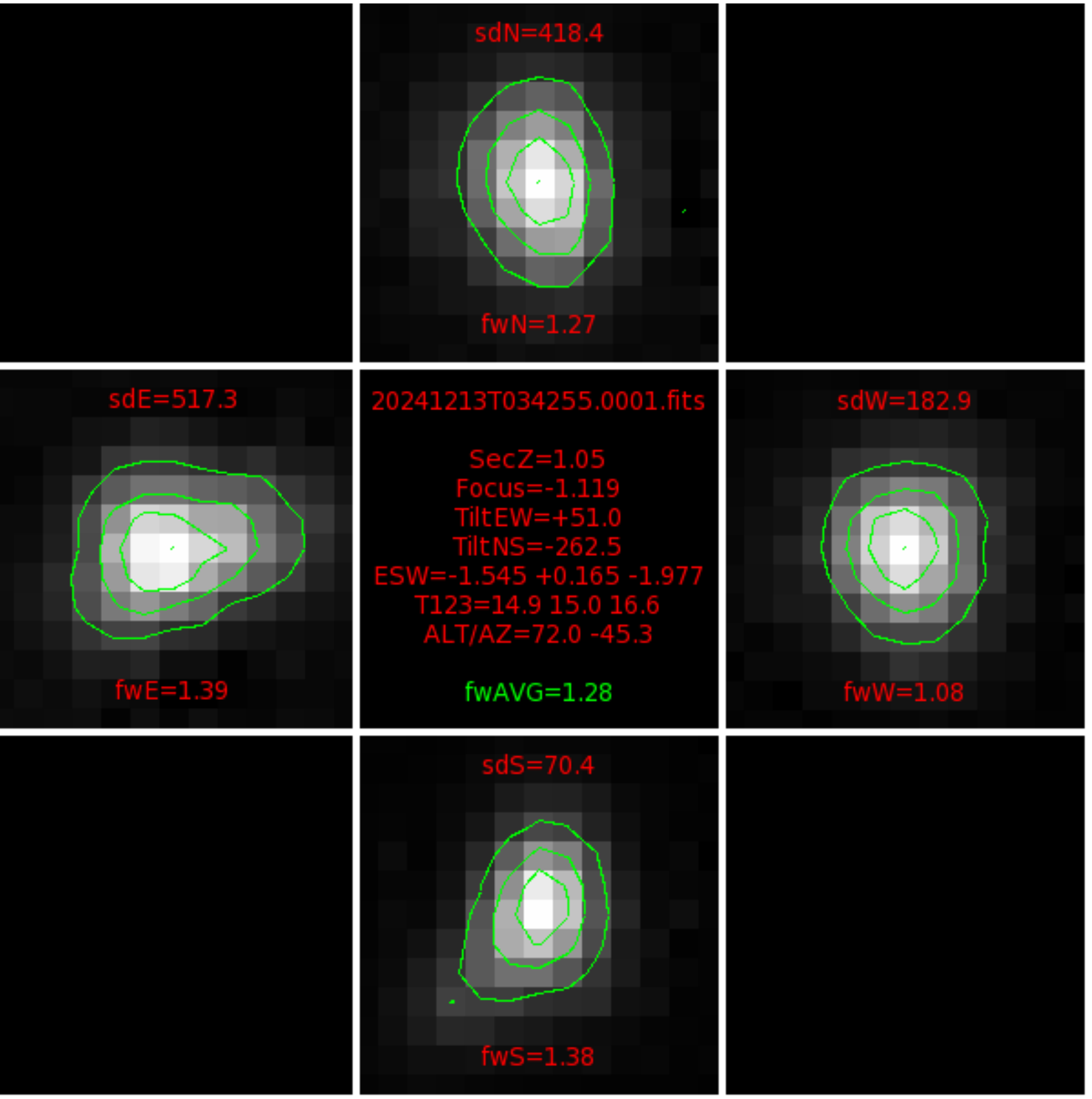
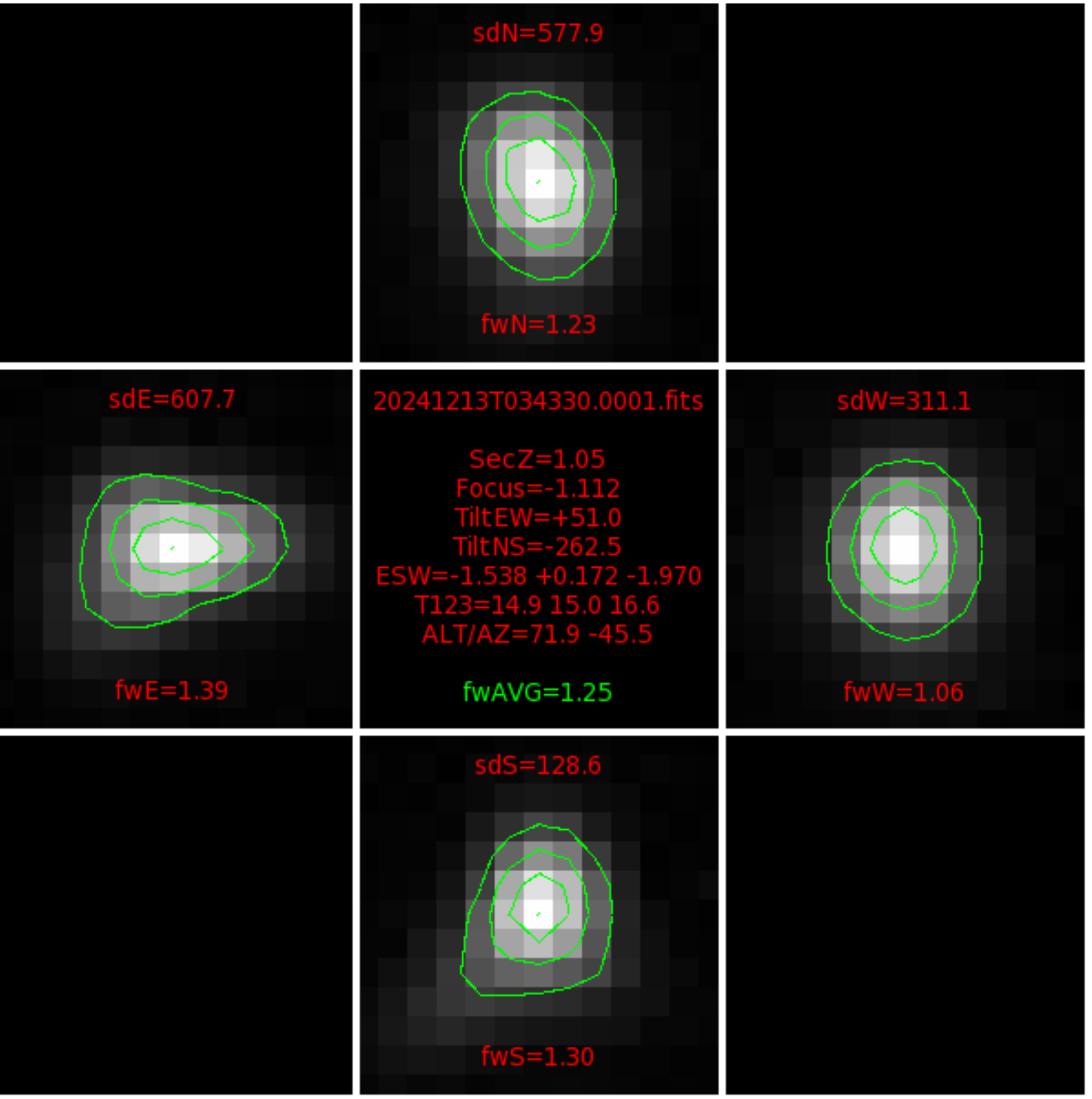
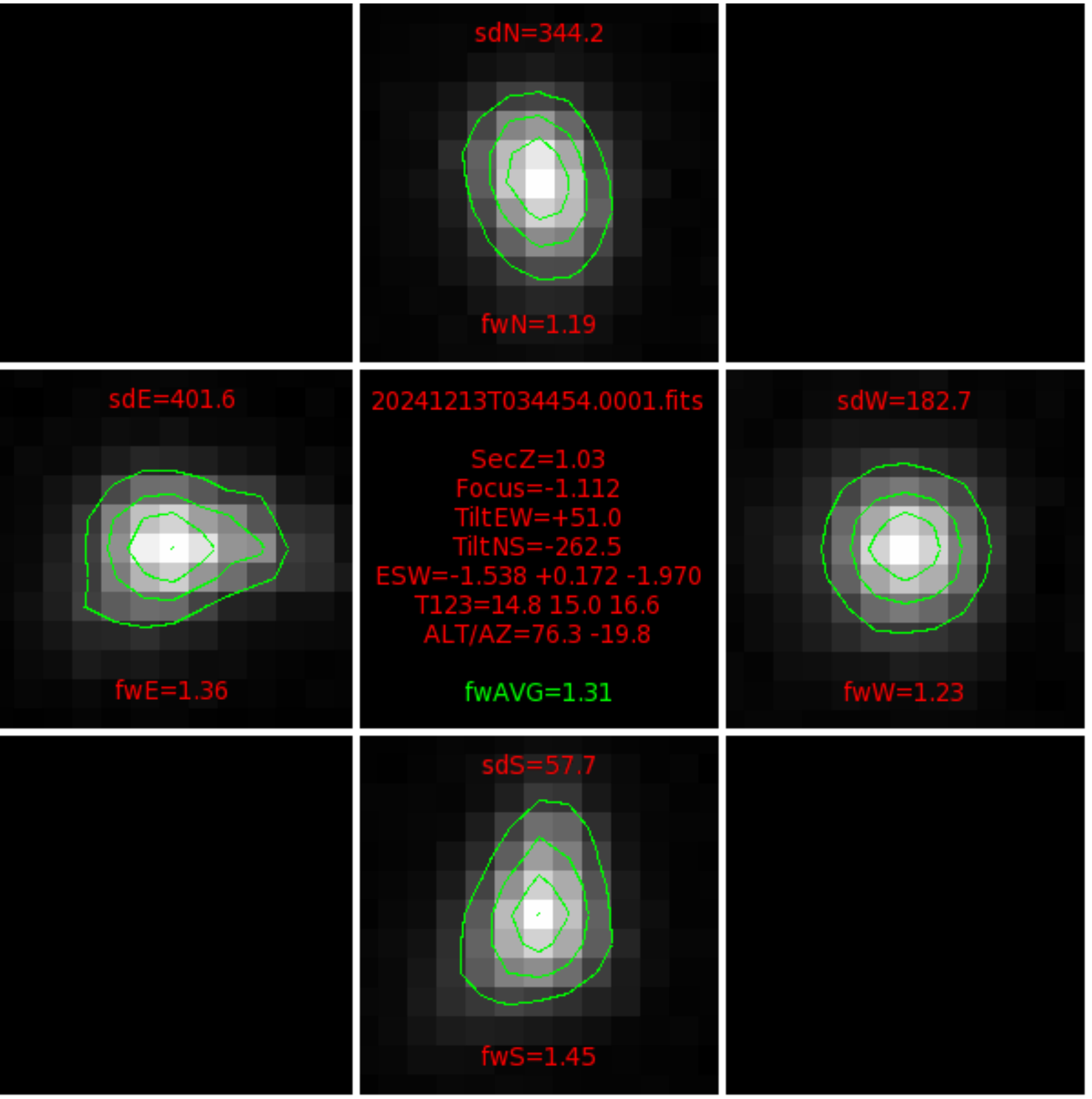
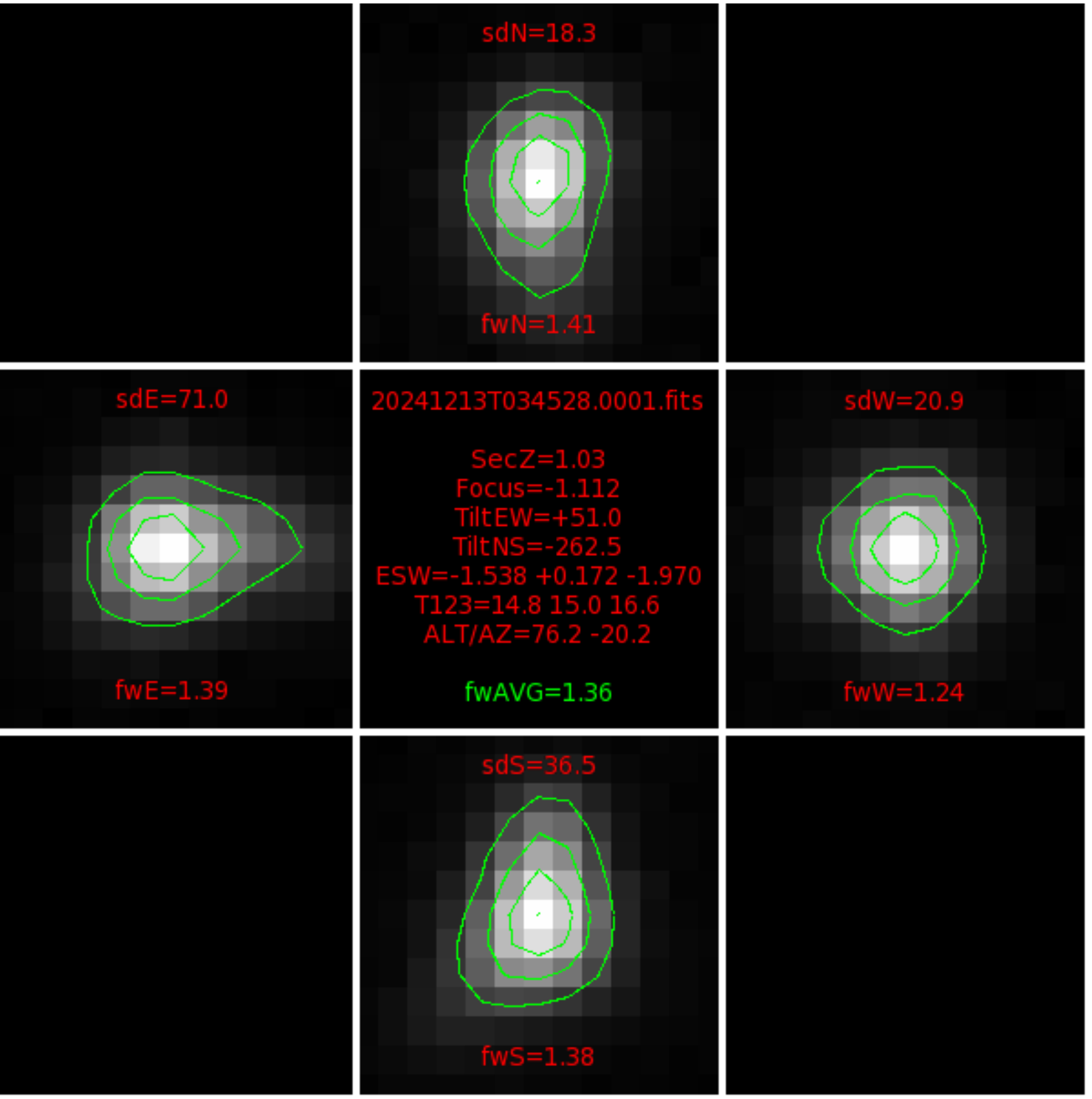

sdN=248.4
fwN=1.76
sdE=382.7
fwE=1.72
20241213T034059.0001.fits
SecZ=1.05
Focus=-1.119
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.545 +0.165 -1.977
T123=14.9 15.0 16.7
ALT/AZ=72.3 -44.6
fwAVG=1.70
sdW=53.0
fwW=1.67
sdS=27.5
fwS=1.65
0 0 0 0 0 0 0 0 0

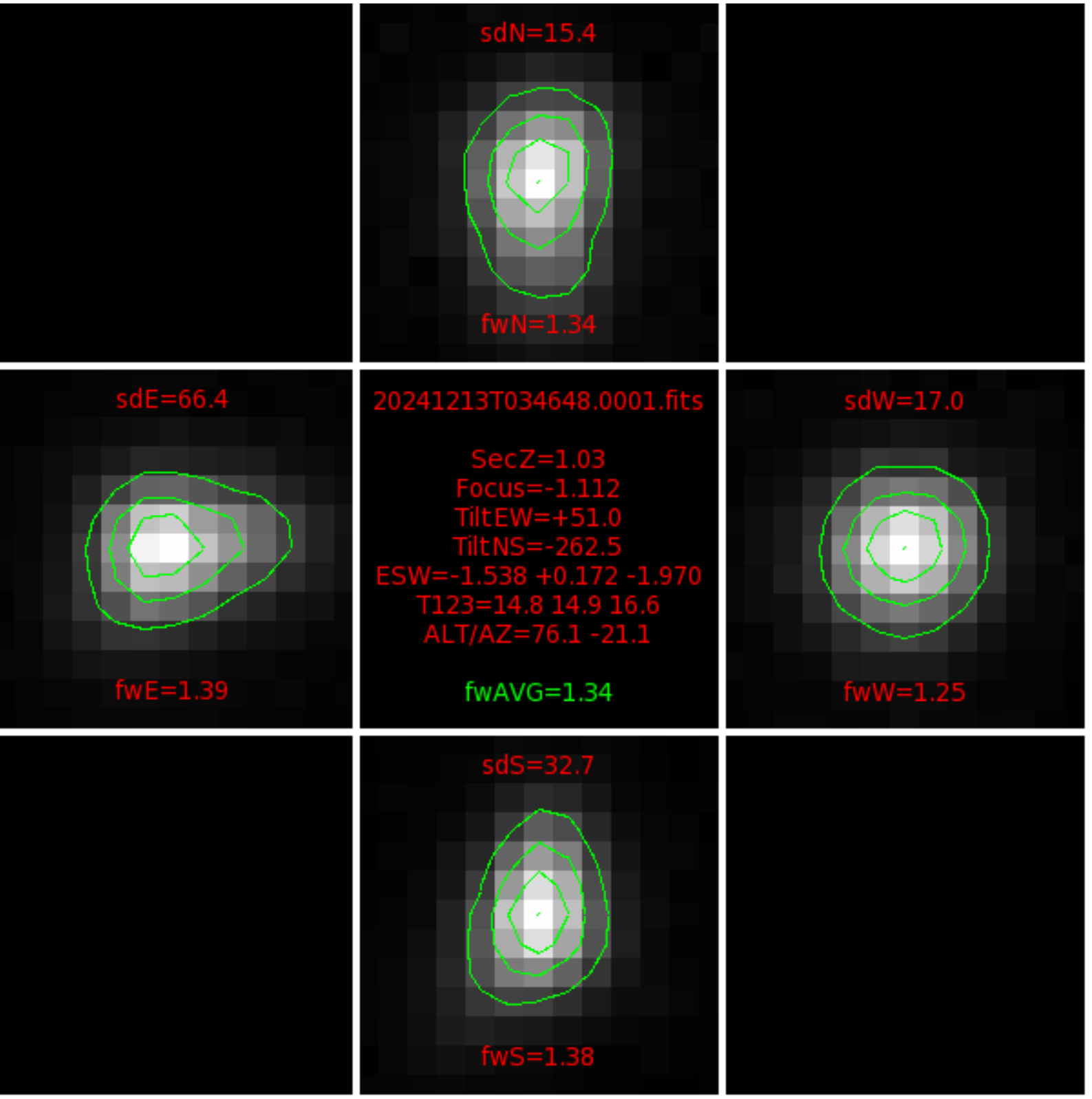

sdN=321.4
fwN=1.34
sdE=430.8
fwE=1.49
20241213T034128.0001.fits
SecZ=1.05
Focus=-1.119
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.545 +0.165 -1.977
T123=14.9 15.0 16.7
ALT/AZ=72.2 -44.8
fwAVG=1.36
sdW=110.9
fwW=1.19
sdS=42.5
fwS=1.44
0 0 0 0 0 0 0 0 0


sdN=418.4
fwN=1.27
sdE=517.3
fwE=1.39
20241213T034255.0001.fits
SecZ=1.05
Focus=-1.119
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.545 +0.165 -1.977
T123=14.9 15.0 16.6
ALT/AZ=72.0 -45.3
fwAVG=1.28
sdW=182.9
fwW=1.08
sdS=70.4
fwS=1.38
0 0 0 0 0 0 0 0 0


sdN=577.9
fwN=1.23
sdE=607.7
fwE=1.39
20241213T034330.0001.fits
SecZ=1.05
Focus=-1.112
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.538 +0.172 -1.970
T123=14.9 15.0 16.6
ALT/AZ=71.9 -45.5
fwAVG=1.25
sdW=311.1
fwW=1.06
sdS=128.6
fwS=1.30
0 0 0 0 0 0 0 0 0


sdN=344.2
fwN=1.19
sdE=401.6
fwE=1.36
20241213T034454.0001.fits
SecZ=1.03
Focus=-1.112
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.538 +0.172 -1.970
T123=14.8 15.0 16.6
ALT/AZ=76.3 -19.8
fwAVG=1.31
sdW=182.7
fwW=1.23
sdS=57.7
fwS=1.45
0 0 0 0 0 0 0 0 0


sdN=18.3
fwN=1.41
sdE=71.0
fwE=1.39
20241213T034528.0001.fits
SecZ=1.03
Focus=-1.112
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.538 +0.172 -1.970
T123=14.8 15.0 16.6
ALT/AZ=76.2 -20.2
fwAVG=1.36
sdW=20.9
fwW=1.24
sdS=36.5
fwS=1.38
0 0 0 0 0 0 0 0 0


sdN=15.4
fwN=1.34
sdE=66.4
fwE=1.39
20241213T034648.0001.fits
SecZ=1.03
Focus=-1.112
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.538 +0.172 -1.970
T123=14.8 14.9 16.6
ALT/AZ=76.1 -21.1
fwAVG=1.34
sdW=17.0
fwW=1.25
sdS=32.7
fwS=1.38
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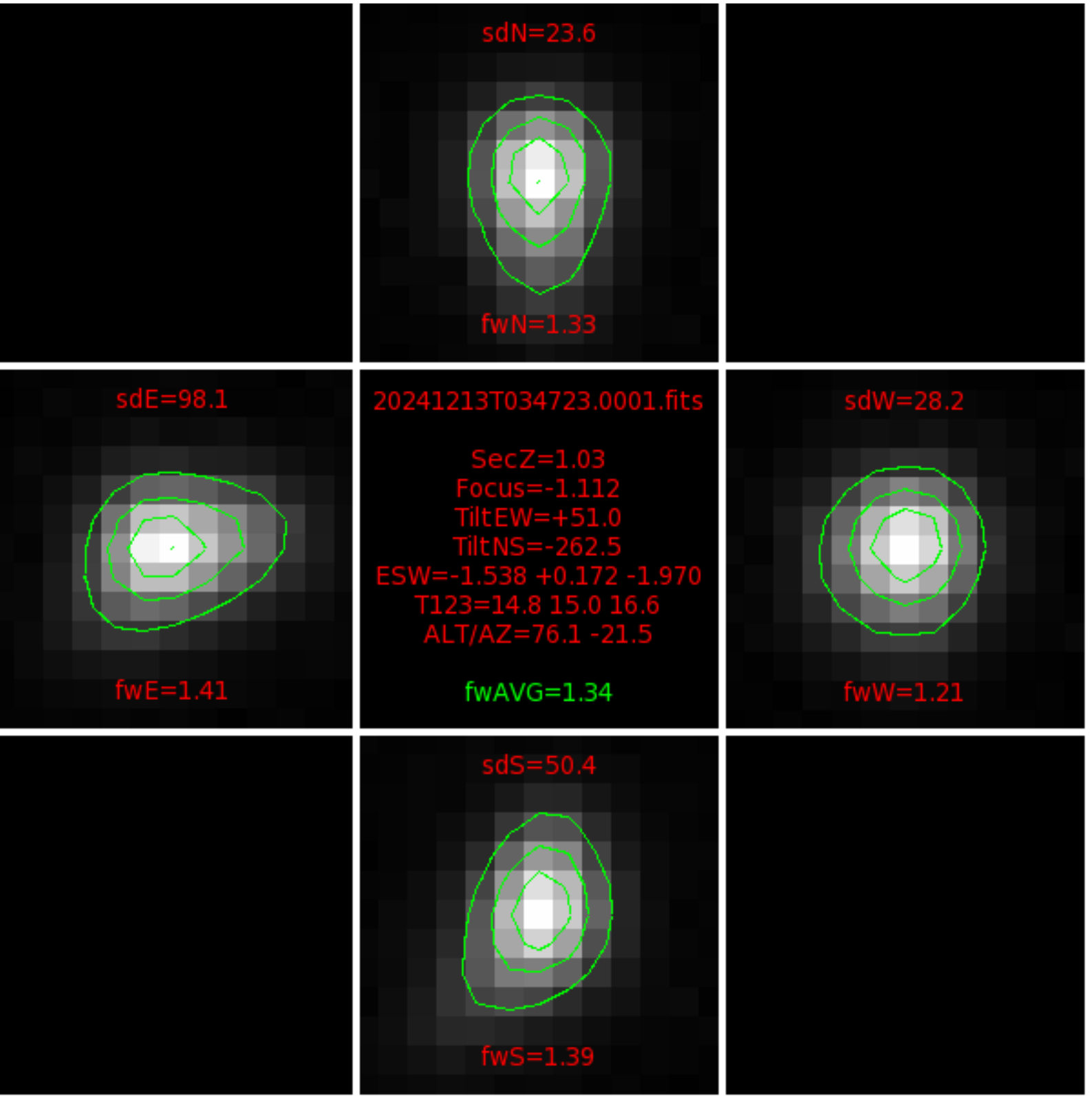
sdN=23.6
fwN=1.33
sdE=98.1
fwE=1.41
20241213T034723.0001.fits
SecZ=1.03
Focus=-1.112
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.538 +0.172 -1.970
T123=14.8 15.0 16.6
ALT/AZ=76.1 -21.5
fwAVG=1.34
sdW=28.2
fwW=1.21
sdS=50.4
fwS=1.39
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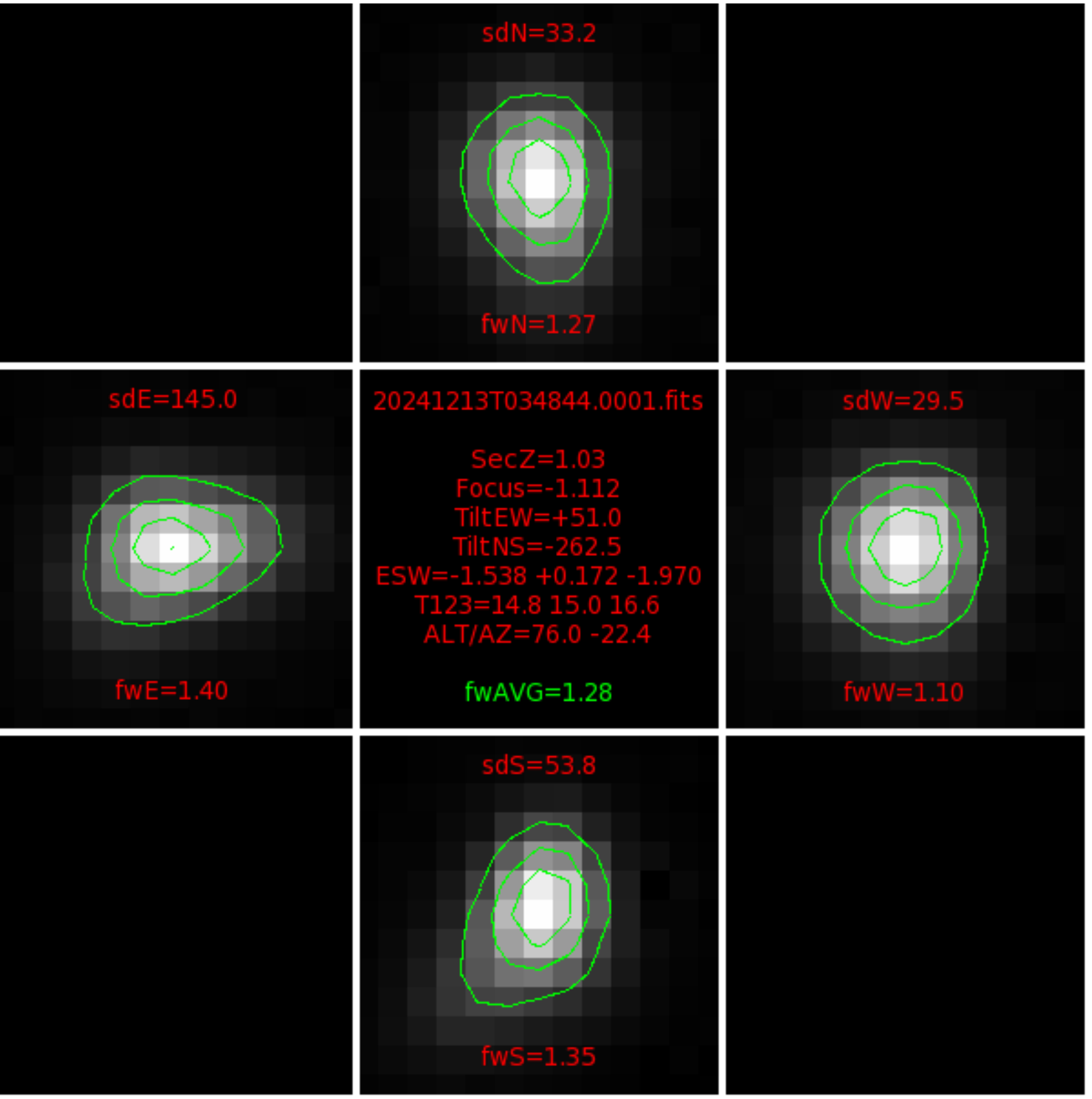
sdN=33.2
fwN=1.27
sdE=145.0
fwE=1.40
20241213T034844.0001.fits
SecZ=1.03
Focus=-1.112
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.538 +0.172 -1.970
T123=14.8 15.0 16.6
ALT/AZ=76.0 -22.4
fwAVG=1.28
sdW=29.5
fwW=1.10
sdS=53.8
fwS=1.35
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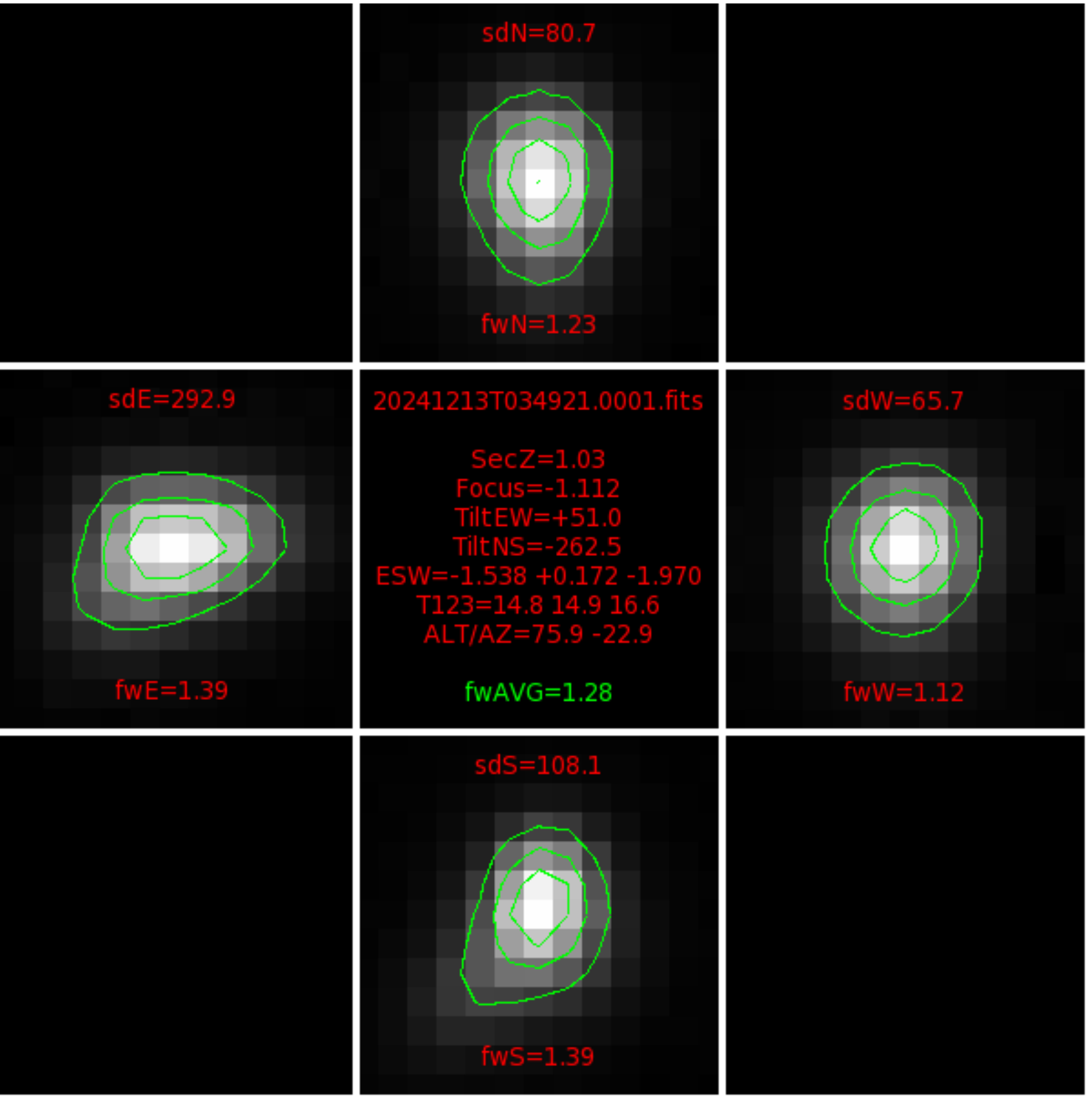
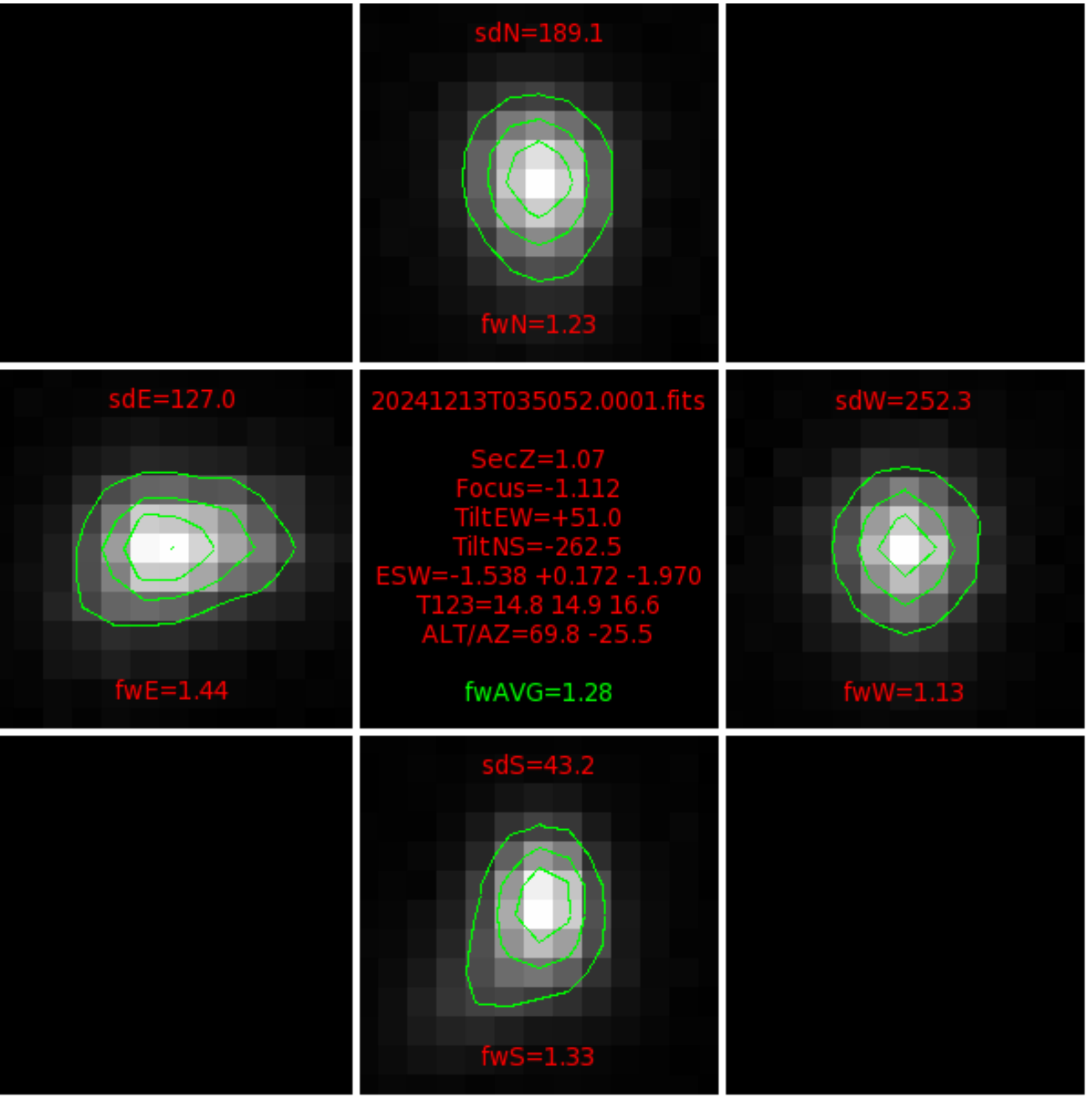

sdN=80.7
fwN=1.23
sdE=292.9
fwE=1.39
20241213T034921.0001.fits
SecZ=1.03
Focus=-1.112
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.538 +0.172 -1.970
T123=14.8 14.9 16.6
ALT/AZ=75.9 -22.9
fwAVG=1.28
sdW=65.7
fwW=1.12
sdS=108.1
fwS=1.39
0 0 0 0 0 0 0 0 0


sdN=189.1
fwN=1.23
sdE=127.0
fwE=1.44
20241213T035052.0001.fits
SecZ=1.07
Focus=-1.112
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.538 +0.172 -1.970
T123=14.8 14.9 16.6
ALT/AZ=69.8 -25.5
fwAVG=1.28
sdW=252.3
fwW=1.13
sdS=43.2
fwS=1.33
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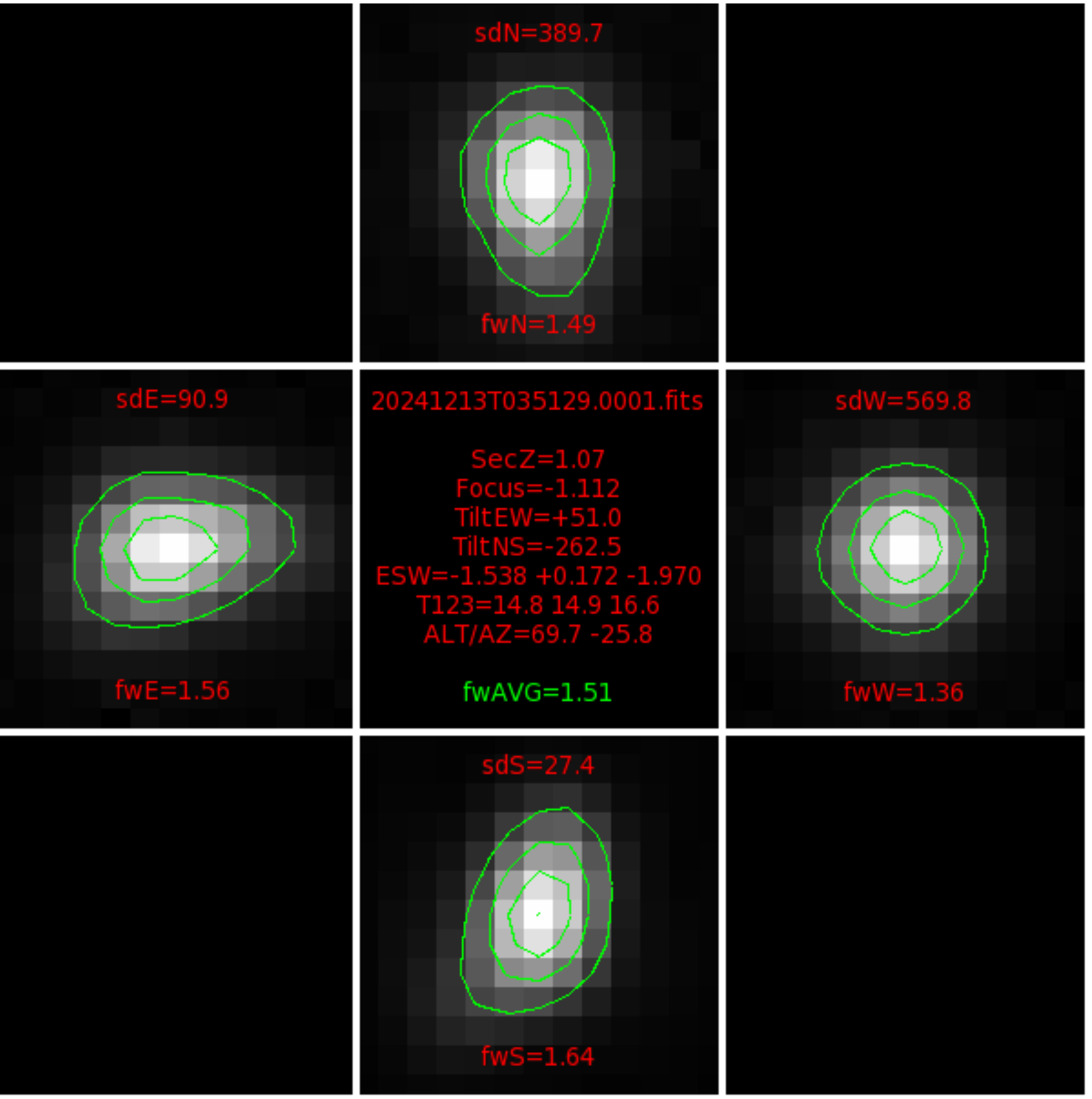
sdN=389.7
fwN=1.49
sdE=90.9
fwE=1.56
20241213T035129.0001.fits
SecZ=1.07
Focus=-1.112
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.538 +0.172 -1.970
T123=14.8 14.9 16.6
ALT/AZ=69.7 -25.8
fwAVG=1.51
sdW=569.8
fwW=1.36
sdS=27.4
fwS=1.64
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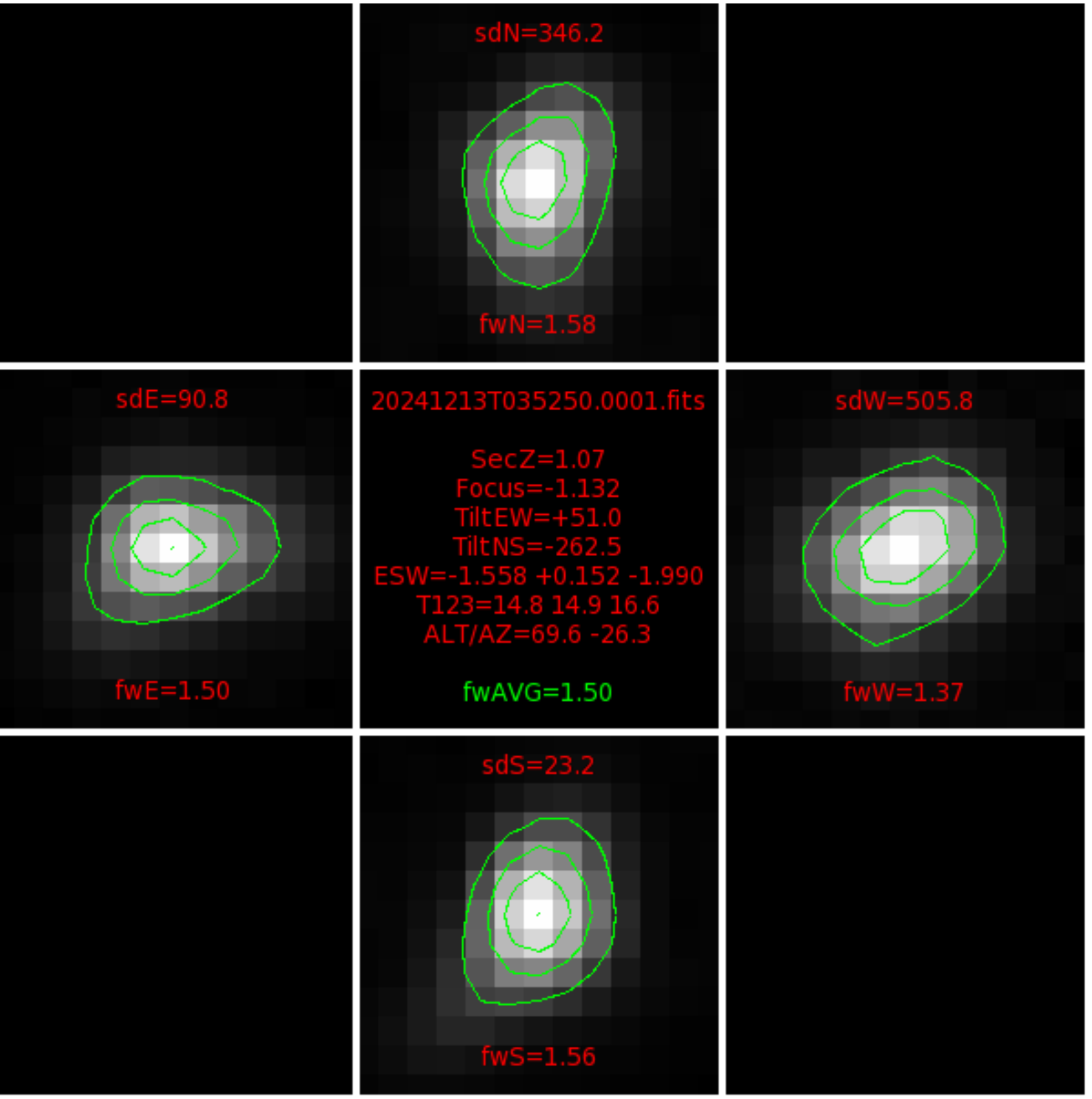
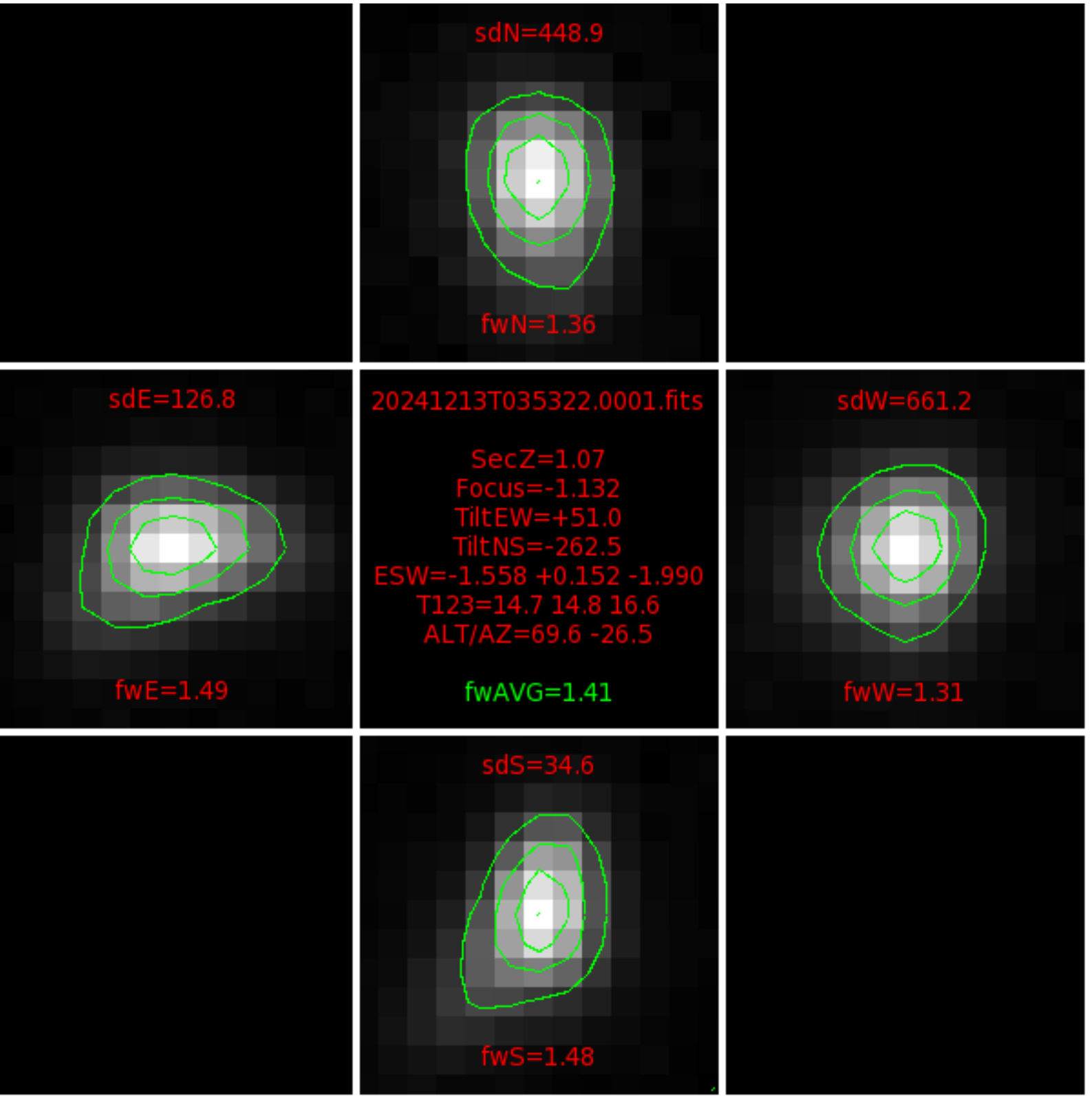

sdN=346.2
fwN=1.58
sdE=90.8
fwE=1.50
20241213T035250.0001.fits
SecZ=1.07
Focus=-1.132
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.558 +0.152 -1.990
T123=14.8 14.9 16.6
ALT/AZ=69.6 -26.3
fwAVG=1.50
sdW=505.8
fwW=1.37
sdS=23.2
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=448.9
fwN=1.36
sdE=126.8
fwE=1.49
20241213T035322.0001.fits
SecZ=1.07
Focus=-1.132
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.558 +0.152 -1.990
T123=14.7 14.8 16.6
ALT/AZ=69.6 -26.5
fwAVG=1.41
sdW=661.2
fwW=1.31
sdS=34.6
fwS=1.48
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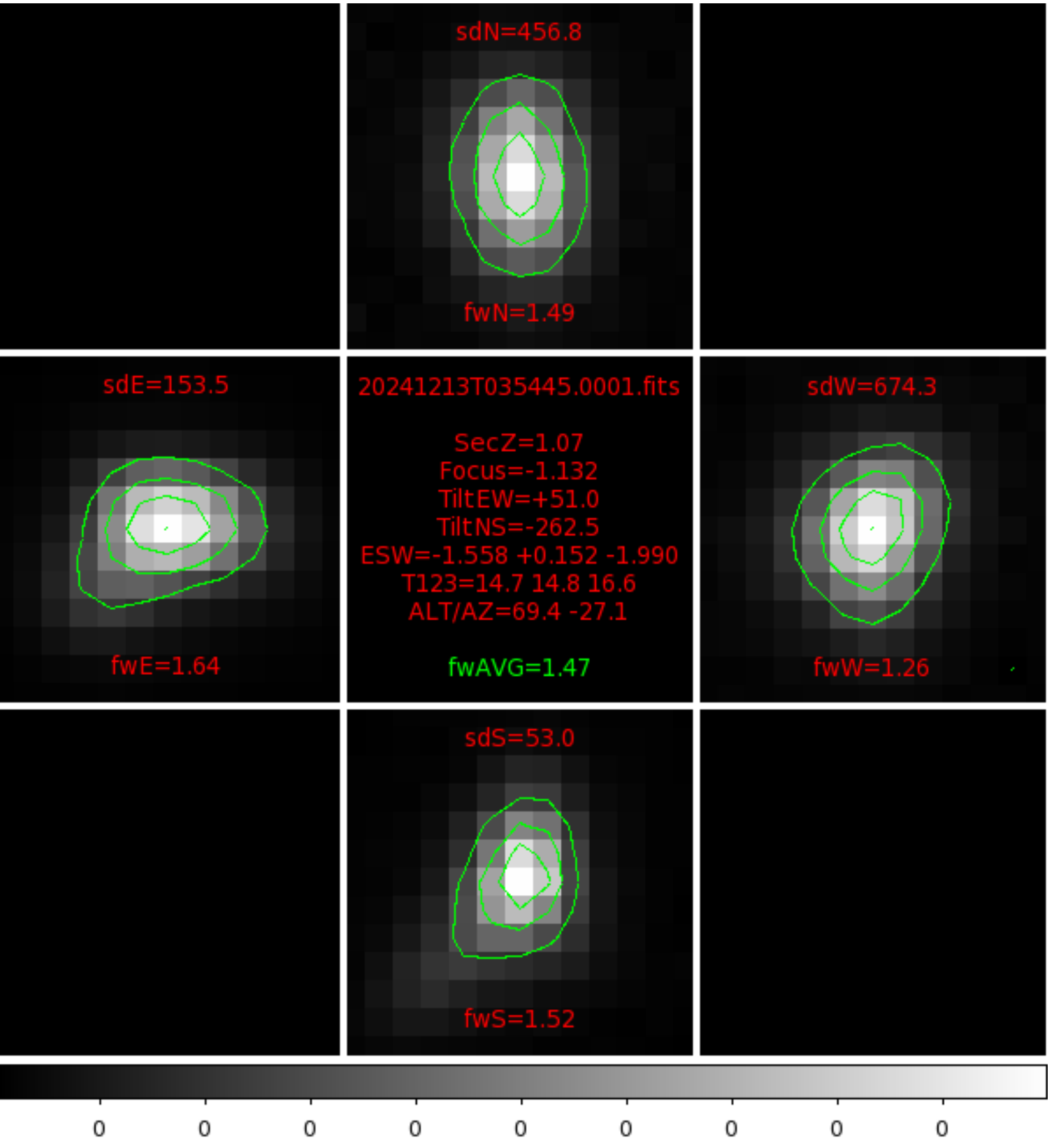
sdN=456.8
fwN=1.49
sdE=153.5
fwE=1.64
20241213T035445.0001.fits
SecZ=1.07
Focus=-1.132
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.558 +0.152 -1.990
T123=14.7 14.8 16.6
ALT/AZ=69.4 -27.1
fwAVG=1.47
sdW=674.3
fwW=1.26
sdS=53.0
fwS=1.52
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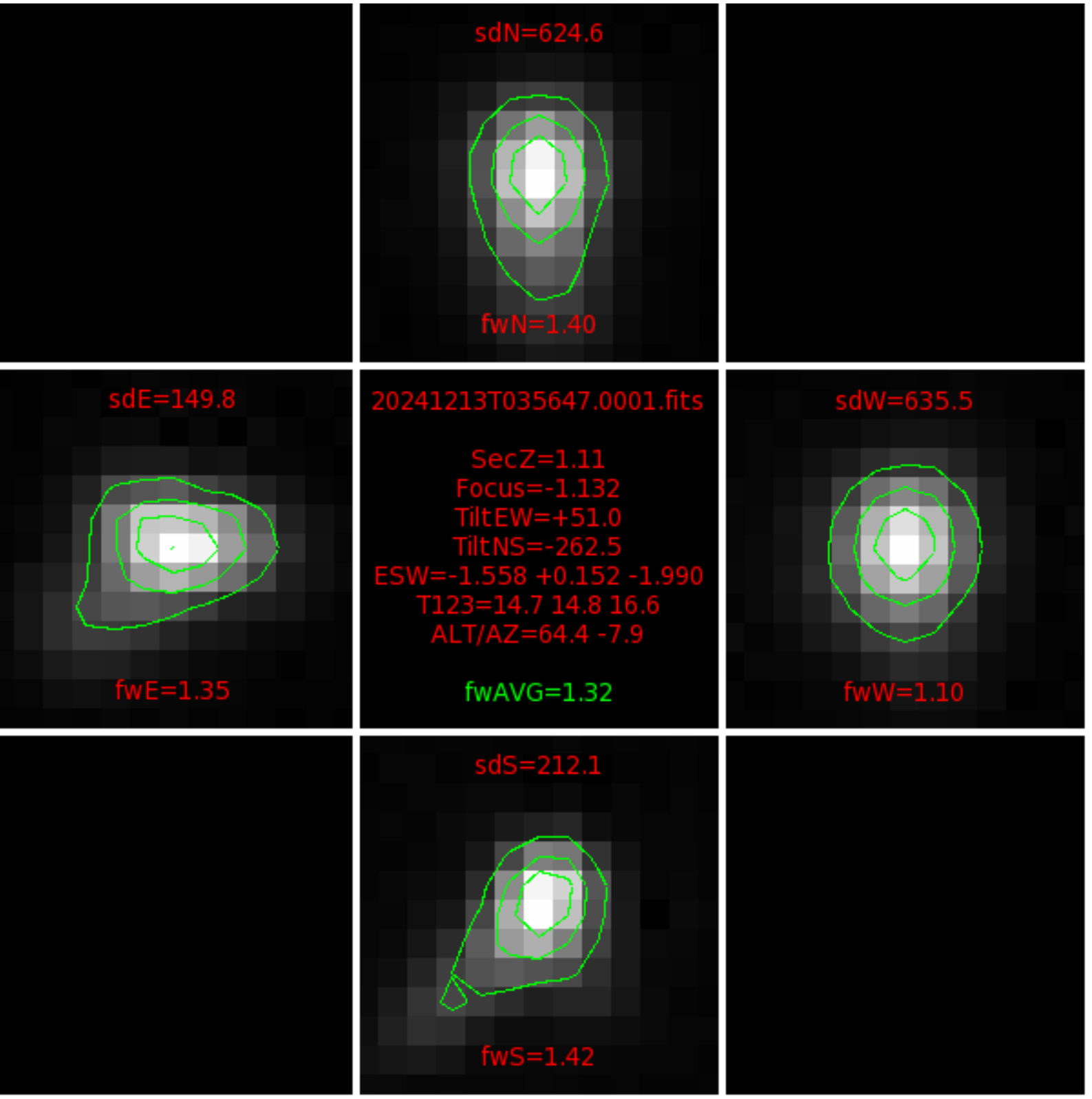
sdN=624.6
fwN=1.40
sdE=149.8
fwE=1.35
20241213T035647.0001.fits
SecZ=1.11
Focus=-1.132
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.558 +0.152 -1.990
T123=14.7 14.8 16.6
ALT/AZ=64.4 -7.9
fwAVG=1.32
sdW=635.5
fwW=1.10
sdS=212.1
fwS=1.42
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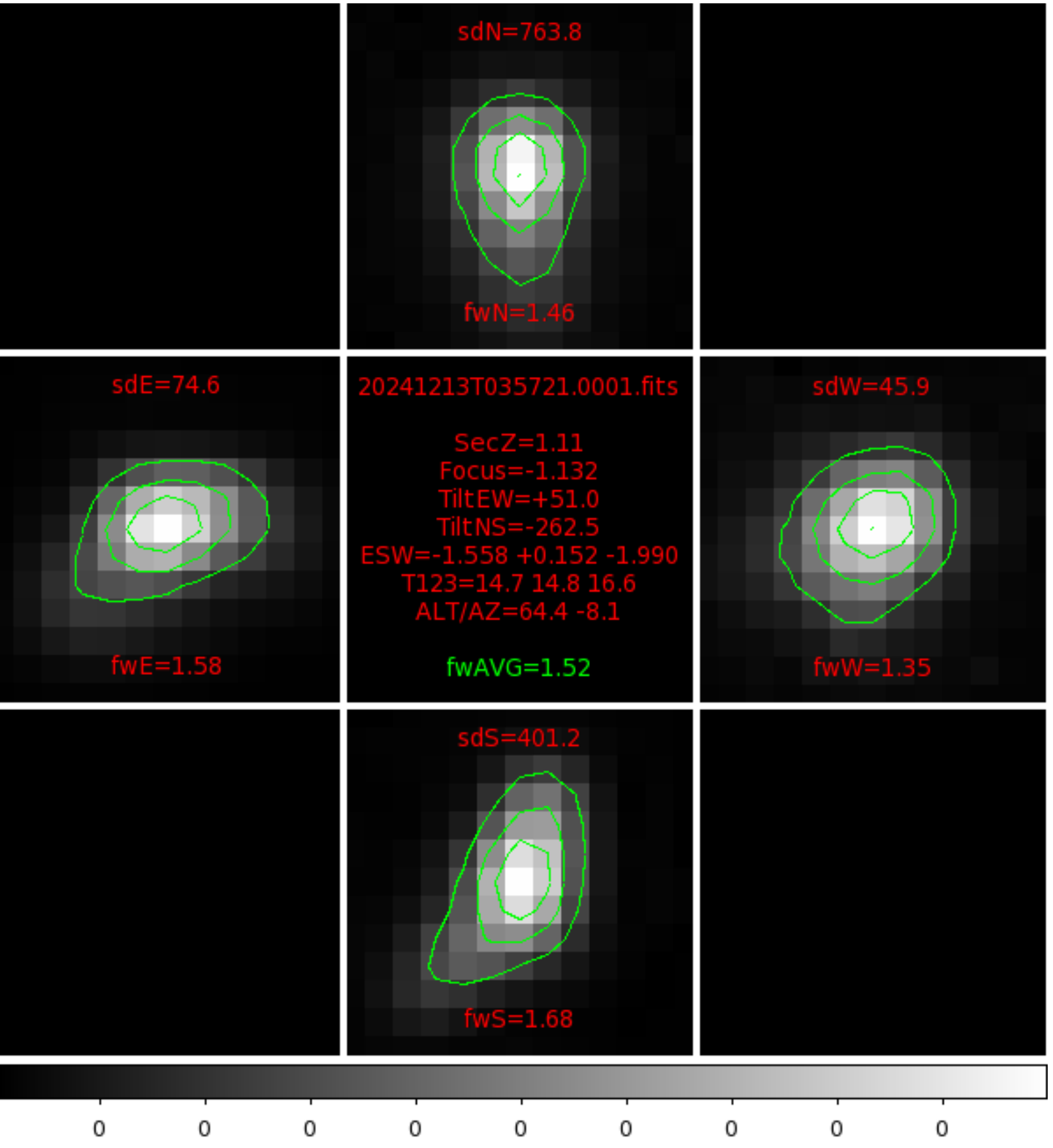
sdN=763.8
fwN=1.46
sdE=74.6
fwE=1.58
20241213T035721.0001.fits
SecZ=1.11
Focus=-1.132
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.558 +0.152 -1.990
T123=14.7 14.8 16.6
ALT/AZ=64.4 -8.1
fwAVG=1.52
sdW=45.9
fwW=1.35
sdS=401.2
fwS=1.68
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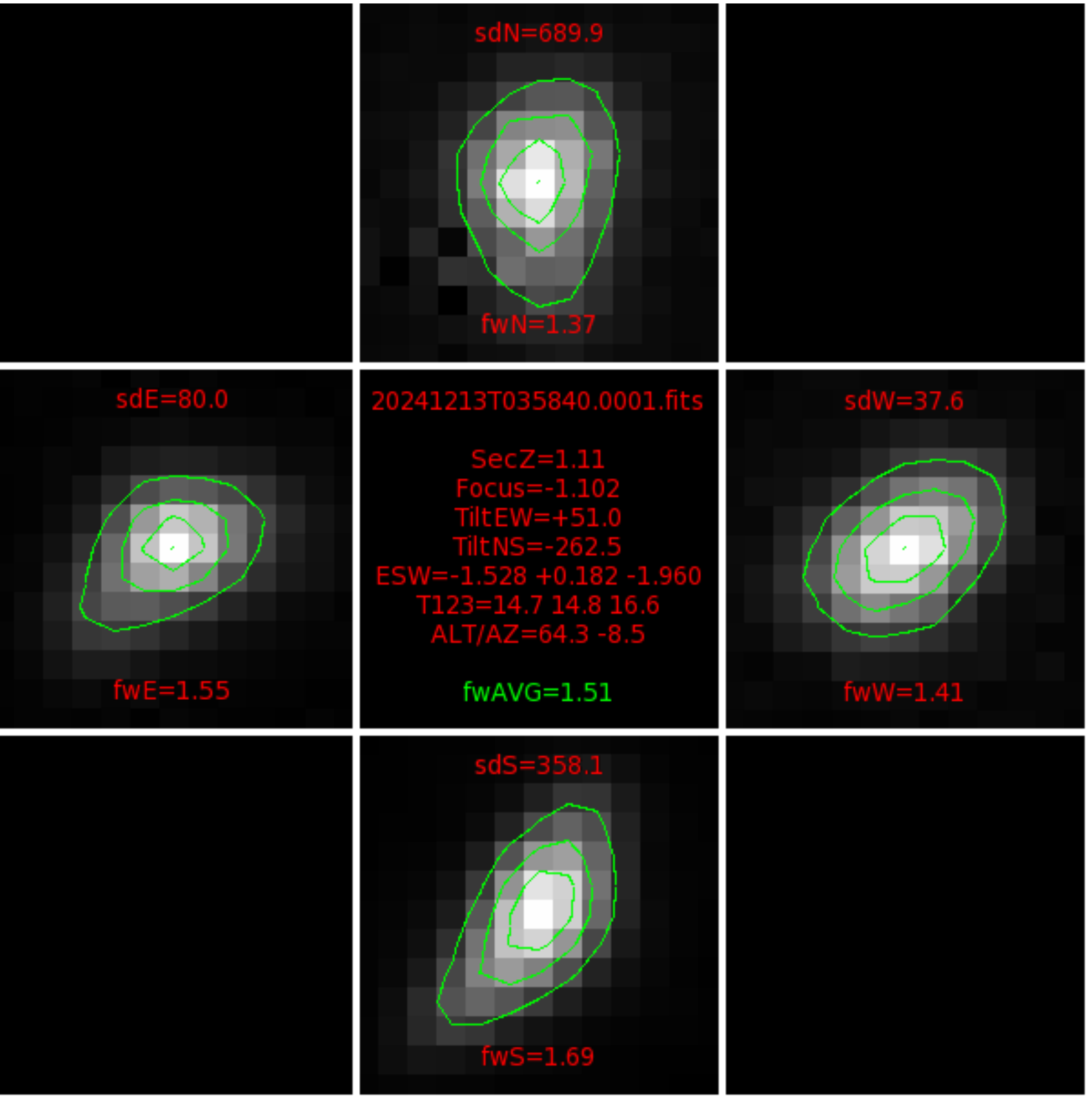
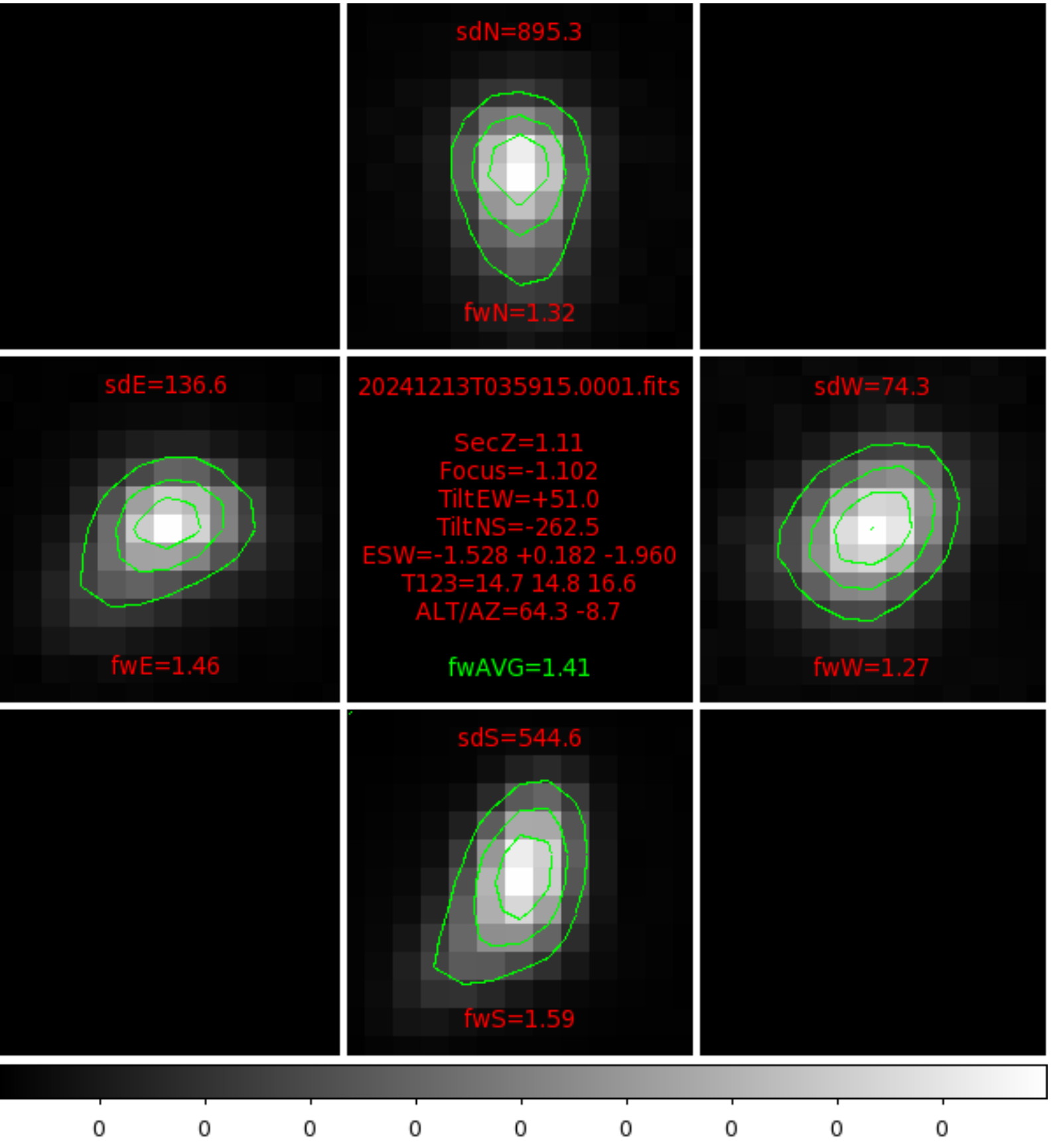

sdN=689.9
fwN=1.37
sdE=80.0
fwE=1.55
20241213T035840.0001.fits
SecZ=1.11
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.7 14.8 16.6
ALT/AZ=64.3 -8.5
fwAVG=1.51
sdW=37.6
fwW=1.41
sdS=358.1
fwS=1.69
0 0 0 0 0 0 0 0 0


sdN=895.3
fwN=1.32
sdE=136.6
fwE=1.46
20241213T035915.0001.fits
SecZ=1.11
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.7 14.8 16.6
ALT/AZ=64.3 -8.7
fwAVG=1.41
sdW=74.3
fwW=1.27
sdS=544.6
fwS=1.59
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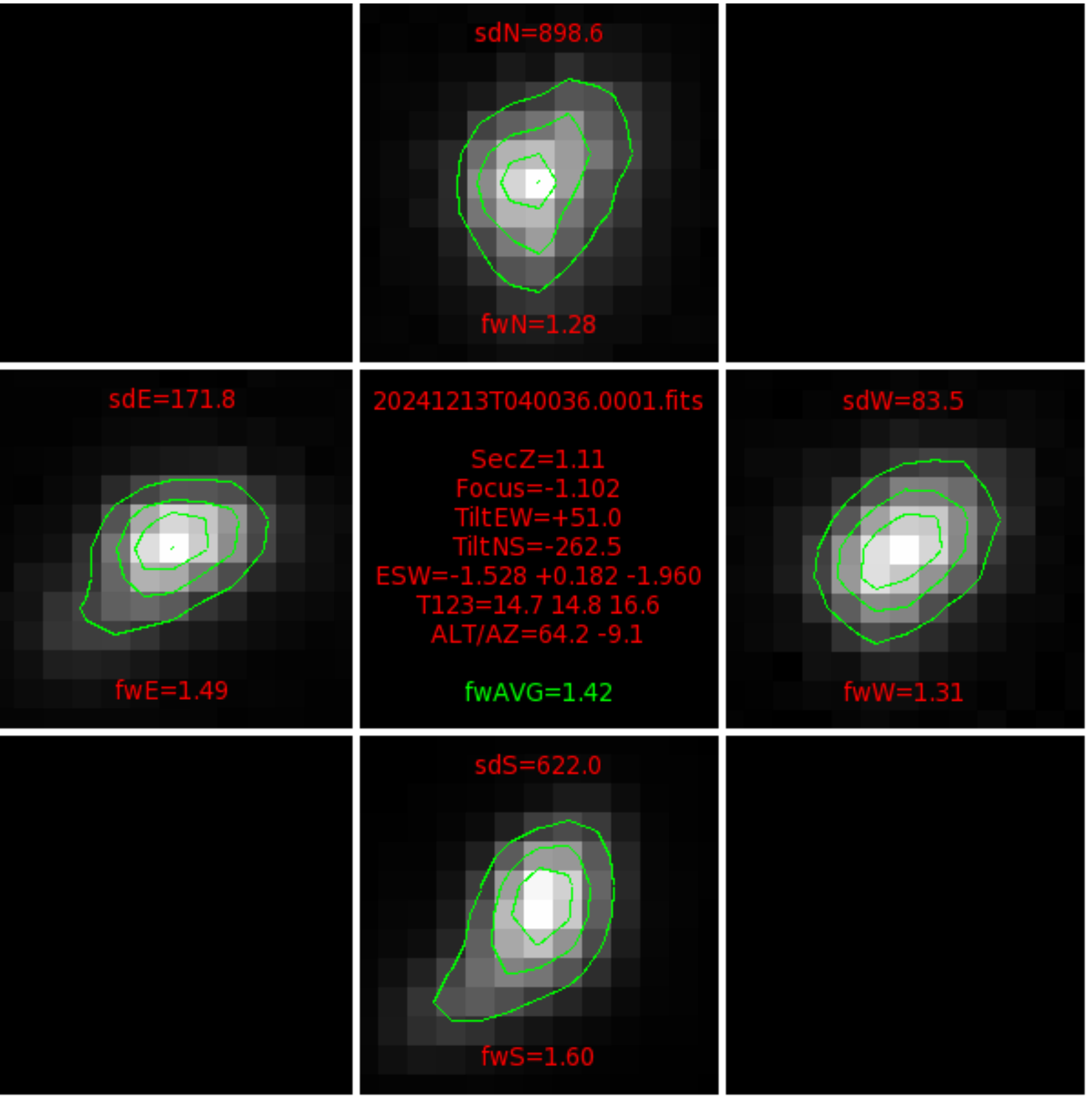
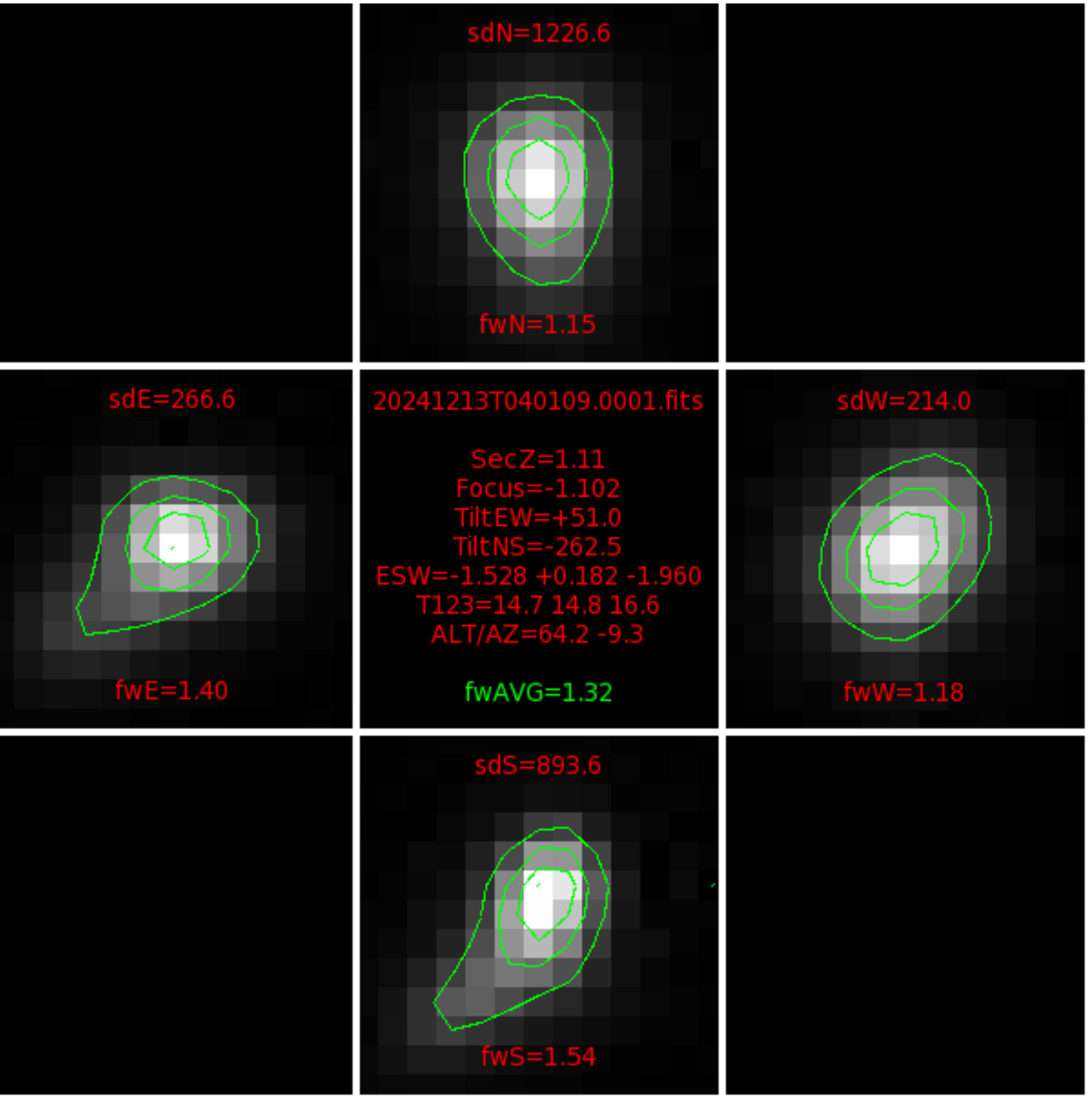

sdN=898.6
fwN=1.28
sdE=171.8
fwE=1.49
20241213T040036.0001.fits
SecZ=1.11
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.7 14.8 16.6
ALT/AZ=64.2 -9.1
fwAVG=1.42
sdW=83.5
fwW=1.31
sdS=622.0
fwS=1.60
0 0 0 0 0 0 0 0 0


sdN=1226.6
fwN=1.15
sdE=266.6
fwE=1.40
20241213T040109.0001.fits
SecZ=1.11
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.7 14.8 16.6
ALT/AZ=64.2 -9.3
fwAVG=1.32
sdW=214.0
fwW=1.18
sdS=893.6
fwS=1.54
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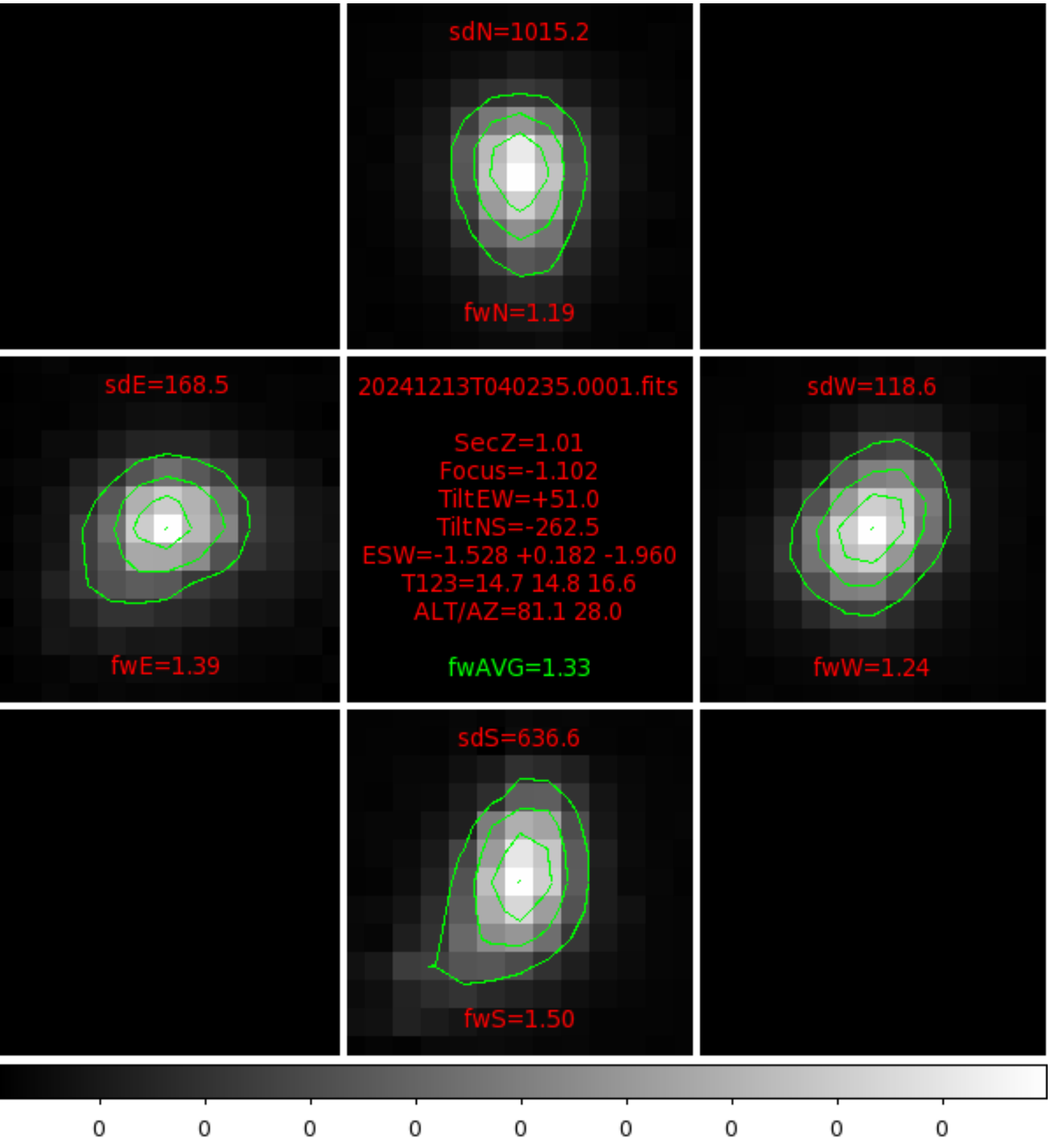
sdN=1015.2
fwN=1.19
sdE=168.5
fwE=1.39
20241213T040235.0001.fits
SecZ=1.01
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.7 14.8 16.6
ALT/AZ=81.1 28.0
fwAVG=1.33
sdW=118.6
fwW=1.24
sdS=636.6
fwS=1.50
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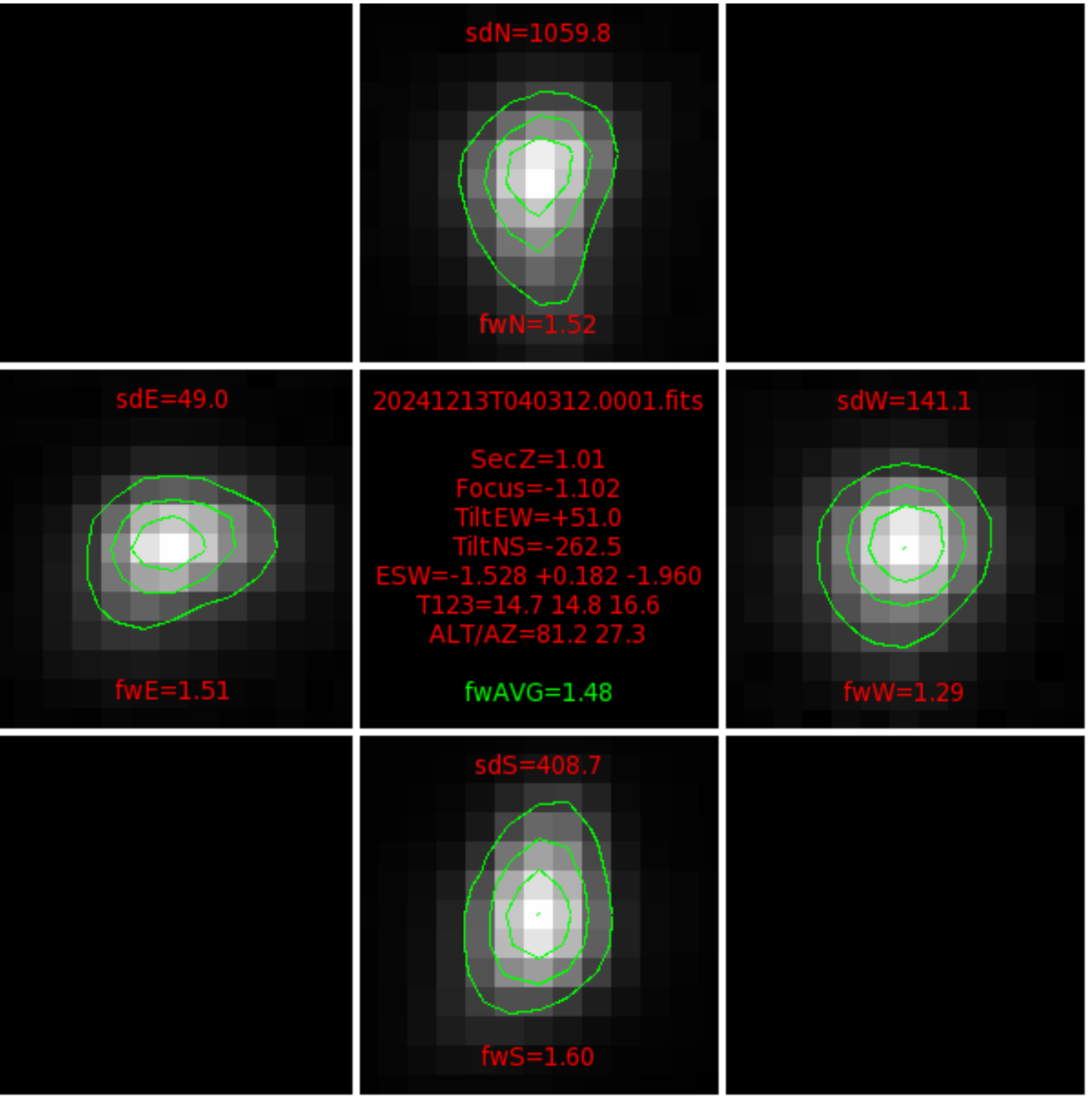
sdN=1059.8
fwN=1.52
sdE=49.0
fwE=1.51
20241213T040312.0001.fits
SecZ=1.01
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.7 14.8 16.6
ALT/AZ=81.2 27.3
fwAVG=1.48
sdW=141.1
fwW=1.29
sdS=408.7
fwS=1.60
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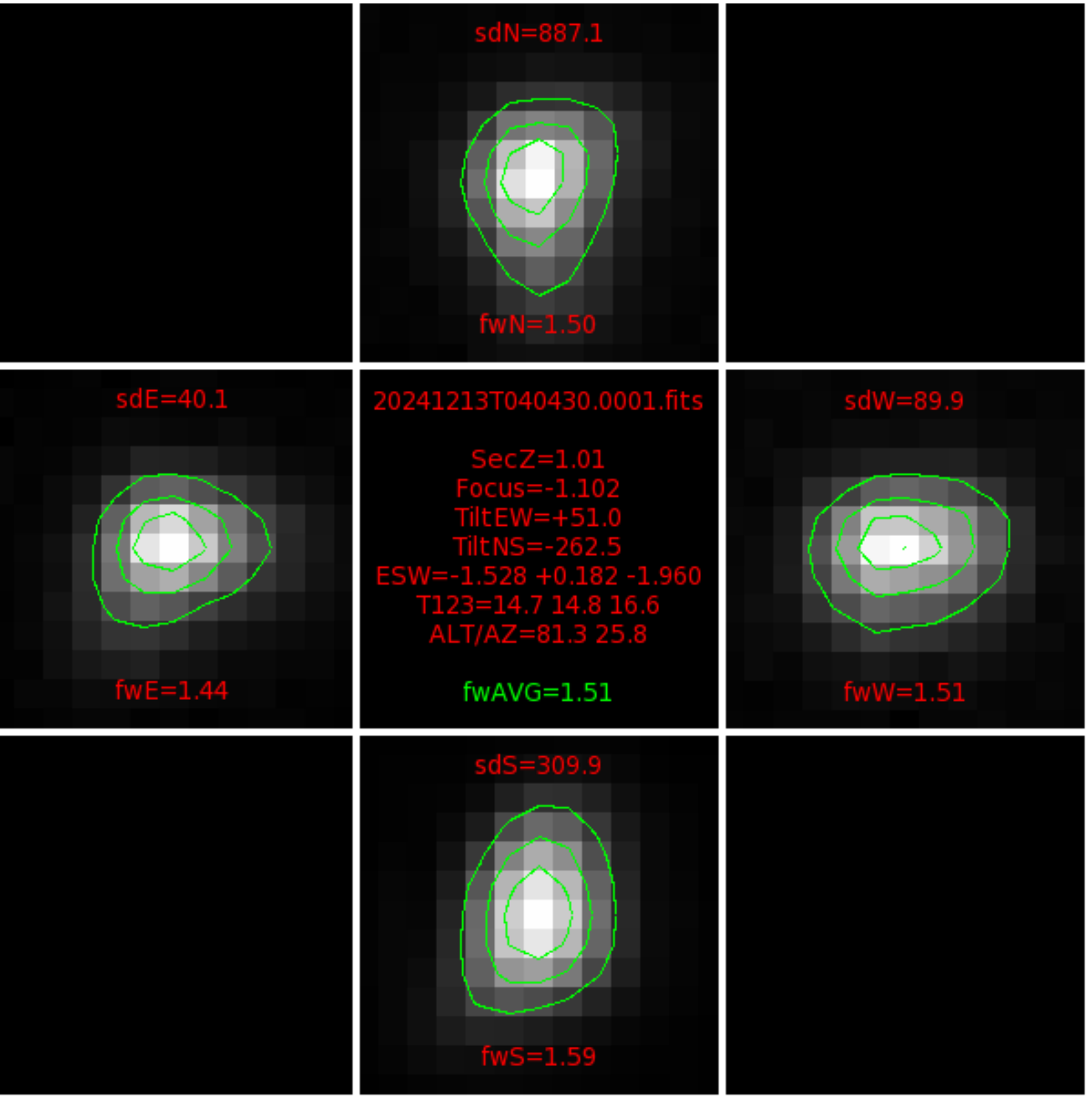
sdN=887.1
fwN=1.50
sdE=40.1
fwE=1.44
20241213T040430.0001.fits
SecZ=1.01
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.7 14.8 16.6
ALT/AZ=81.3 25.8
fwAVG=1.51
sdW=89.9
fwW=1.51
sdS=309.9
fwS=1.59
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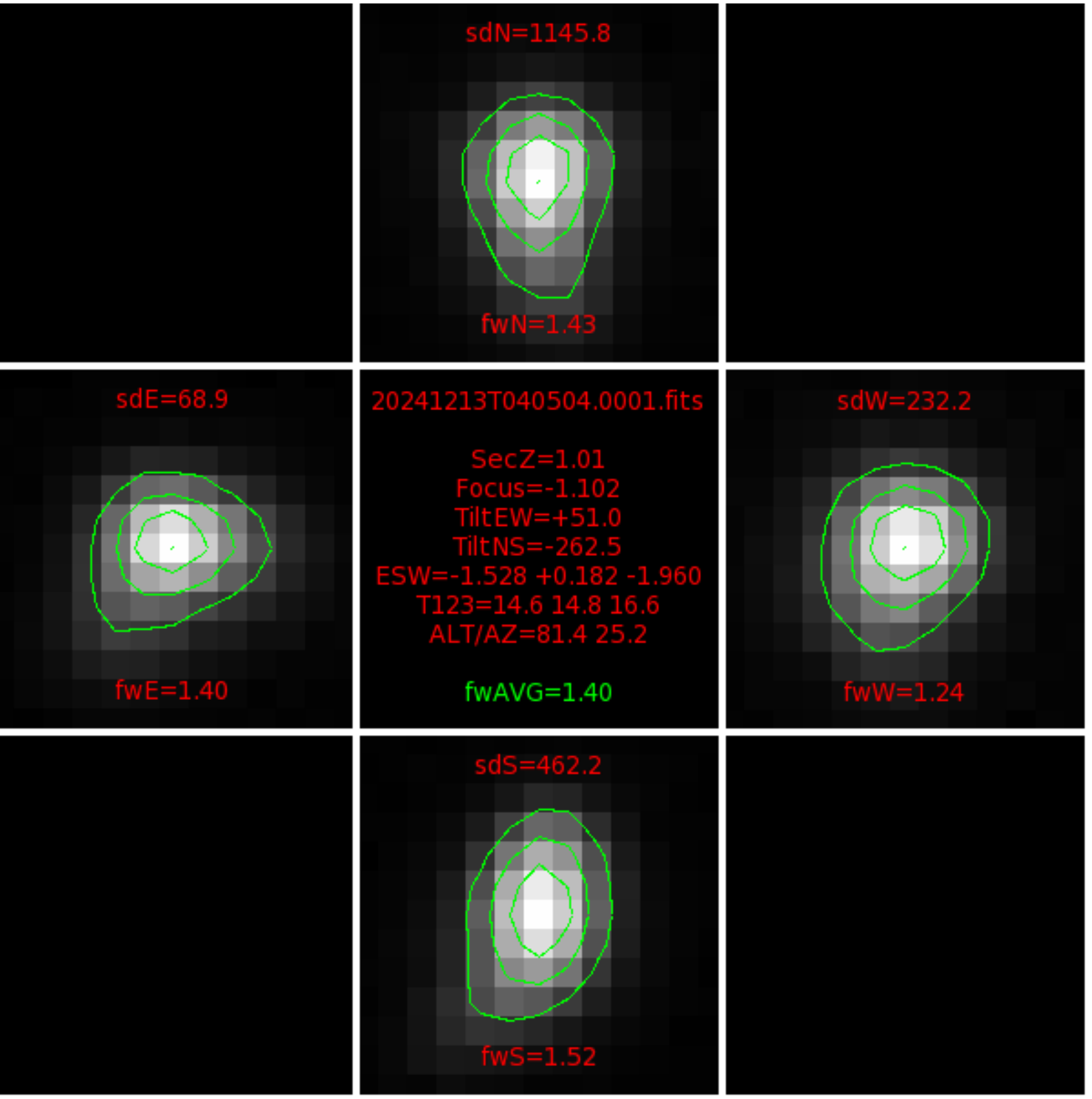
sdN=1145.8
fwN=1.43
sdE=68.9
fwE=1.40
20241213T040504.0001.fits
SecZ=1.01
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.6 14.8 16.6
ALT/AZ=81.4 25.2
fwAVG=1.40
sdW=232.2
fwW=1.24
sdS=462.2
fwS=1.52
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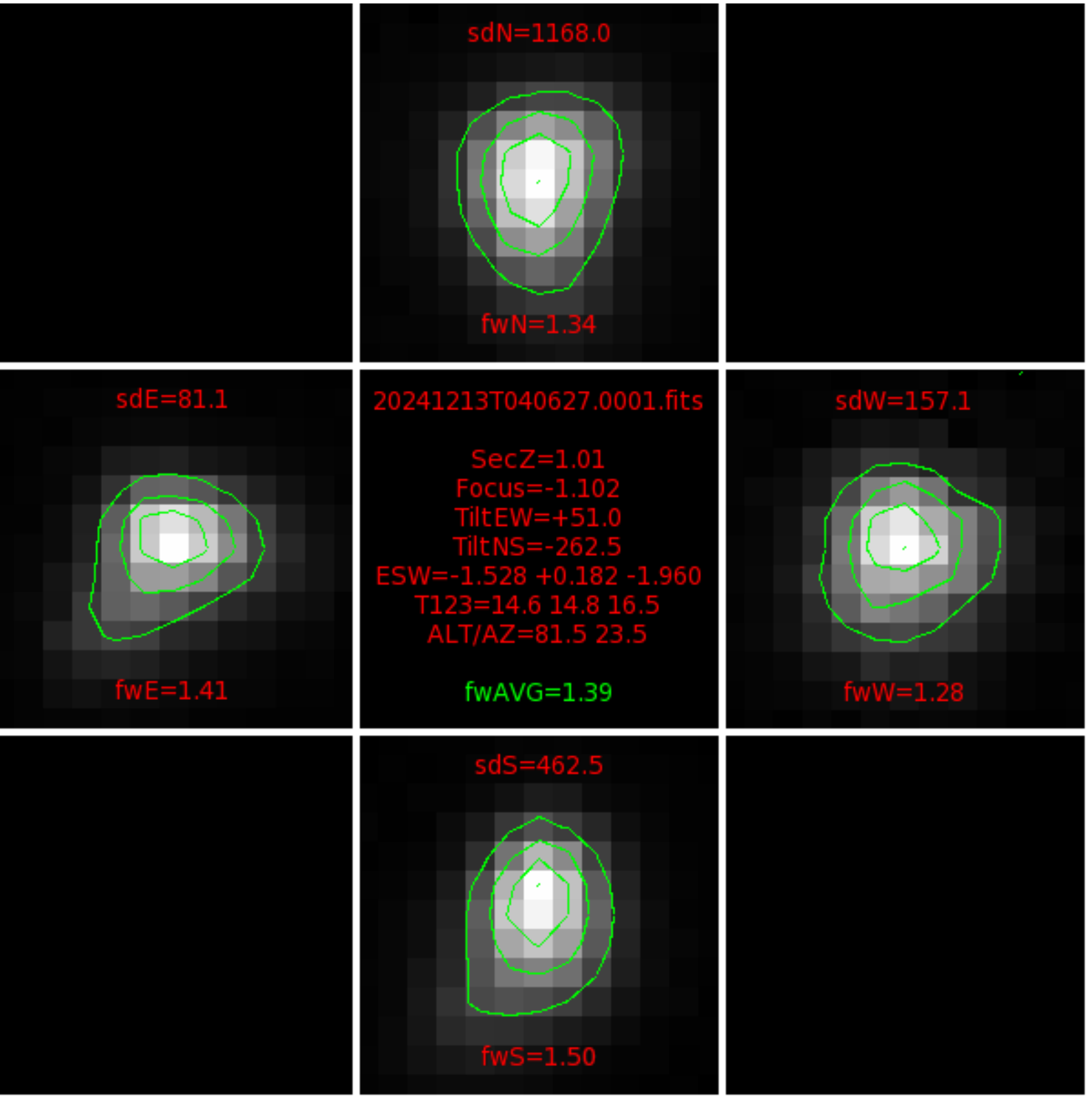
sdN=1168.0
fwN=1.34
sdE=81.1
fwE=1.41
20241213T040627.0001.fits
SecZ=1.01
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.6 14.8 16.5
ALT/AZ=81.5 23.5
fwAVG=1.39
sdW=157.1
fwW=1.28
sdS=462.5
fwS=1.50
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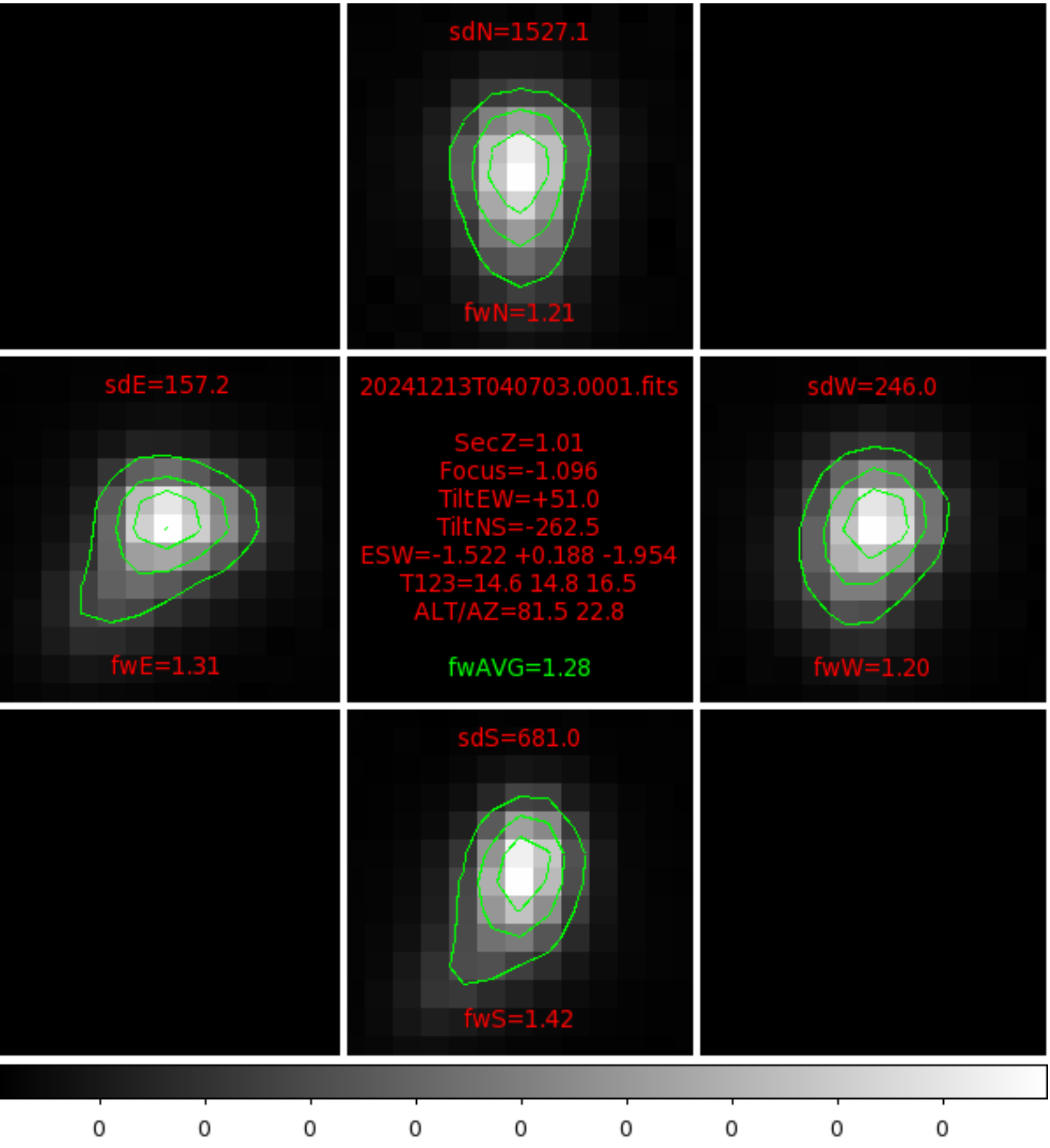
sdN=1527.1
fwN=1.21
sdE=157.2
fwE=1.31
20241213T040703.0001.fits
SecZ=1.01
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.6 14.8 16.5
ALT/AZ=81.5 22.8
fwAVG=1.28
sdW=246.0
fwW=1.20
sdS=681.0
fwS=1.42
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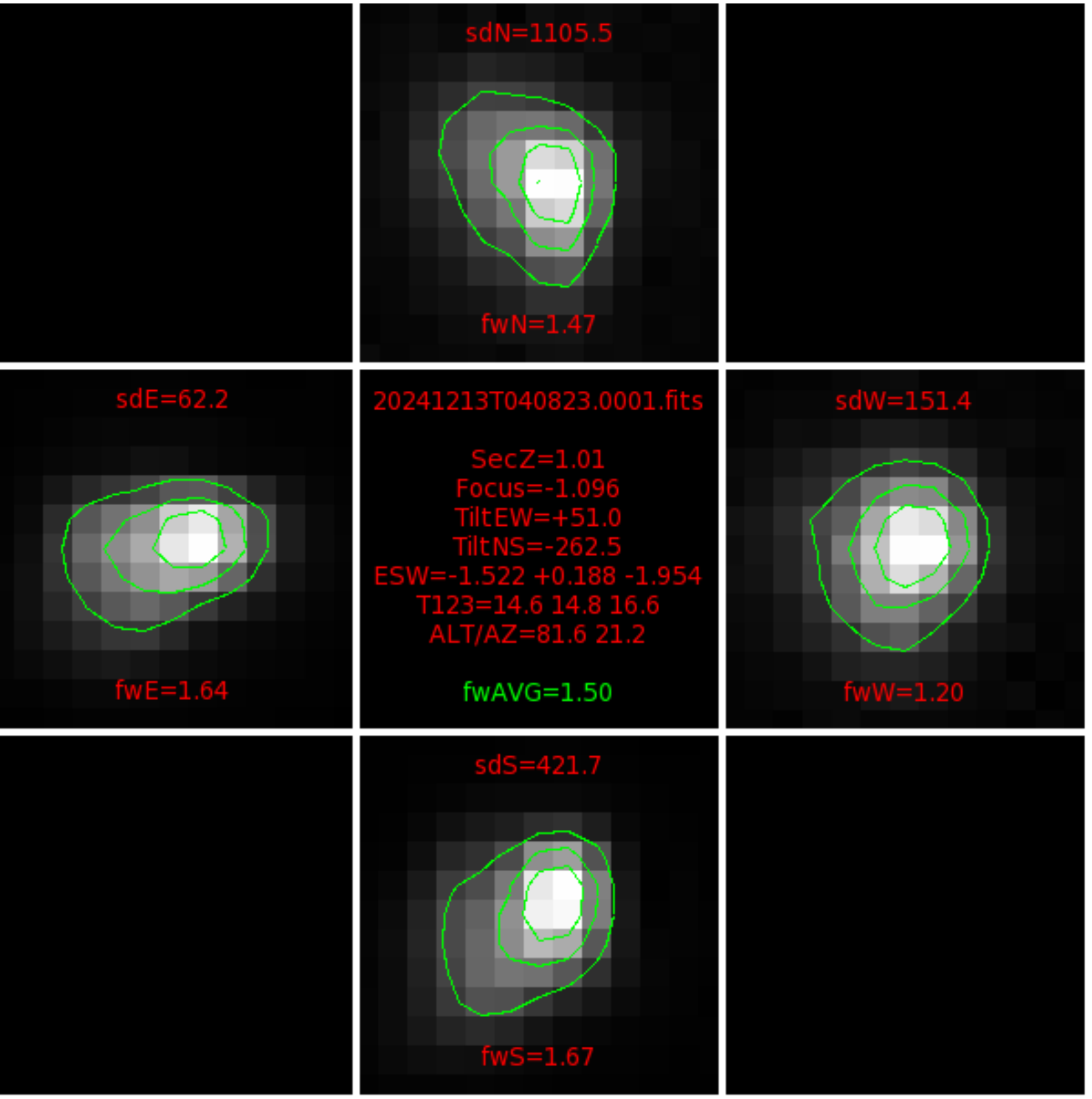
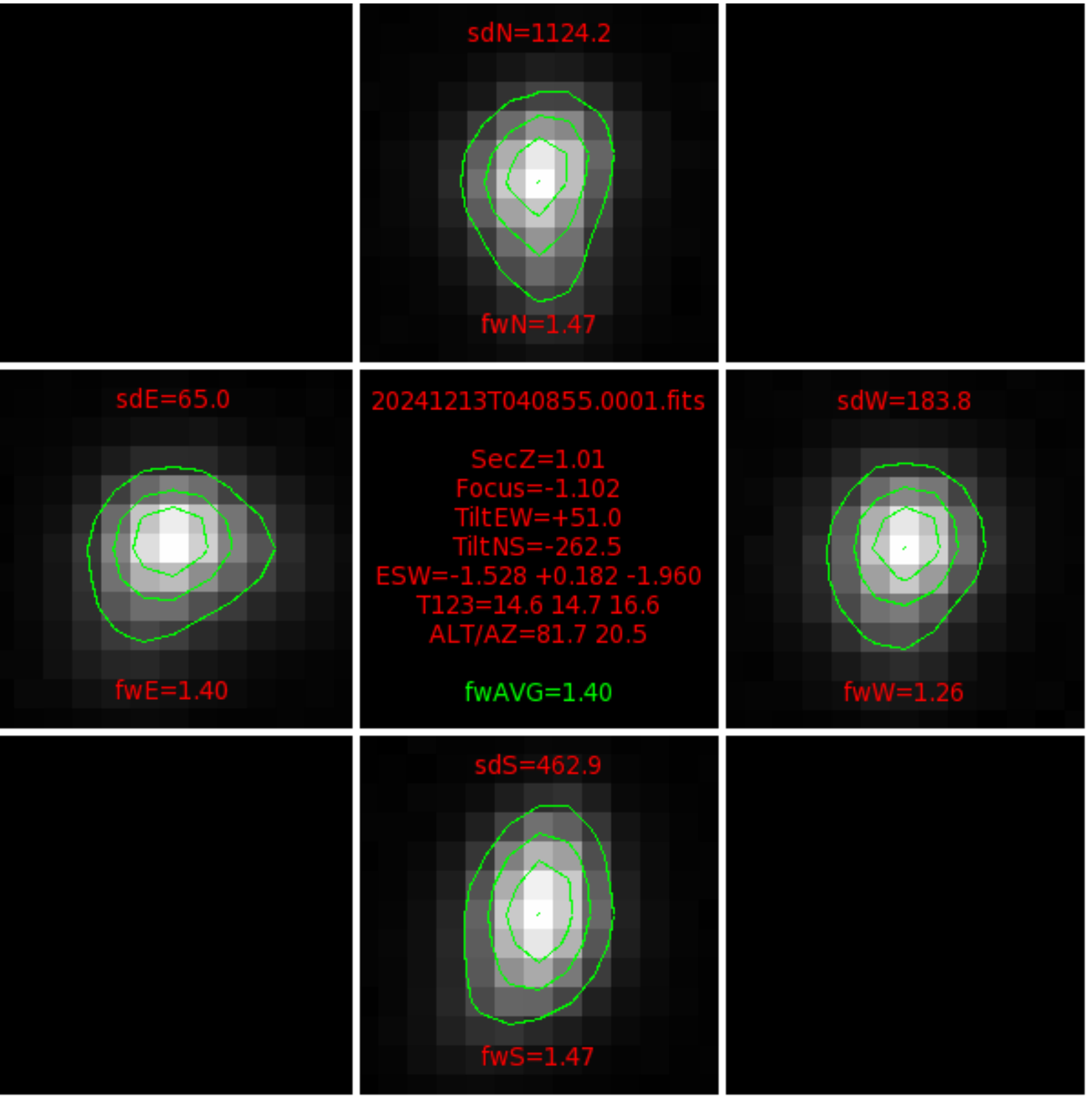

sdN=1105.5
fwN=1.47
sdE=62.2
fwE=1.64
20241213T040823.0001.fits
SecZ=1.01
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.6 14.8 16.6
ALT/AZ=81.6 21.2
fwAVG=1.50
sdW=151.4
fwW=1.20
sdS=421.7
fwS=1.67
0 0 0 0 0 0 0 0 0


sdN=1124.2
fwN=1.47
sdE=65.0
fwE=1.40
20241213T040855.0001.fits
SecZ=1.01
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.6 14.7 16.6
ALT/AZ=81.7 20.5
fwAVG=1.40
sdW=183.8
fwW=1.26
sdS=462.9
fwS=1.47
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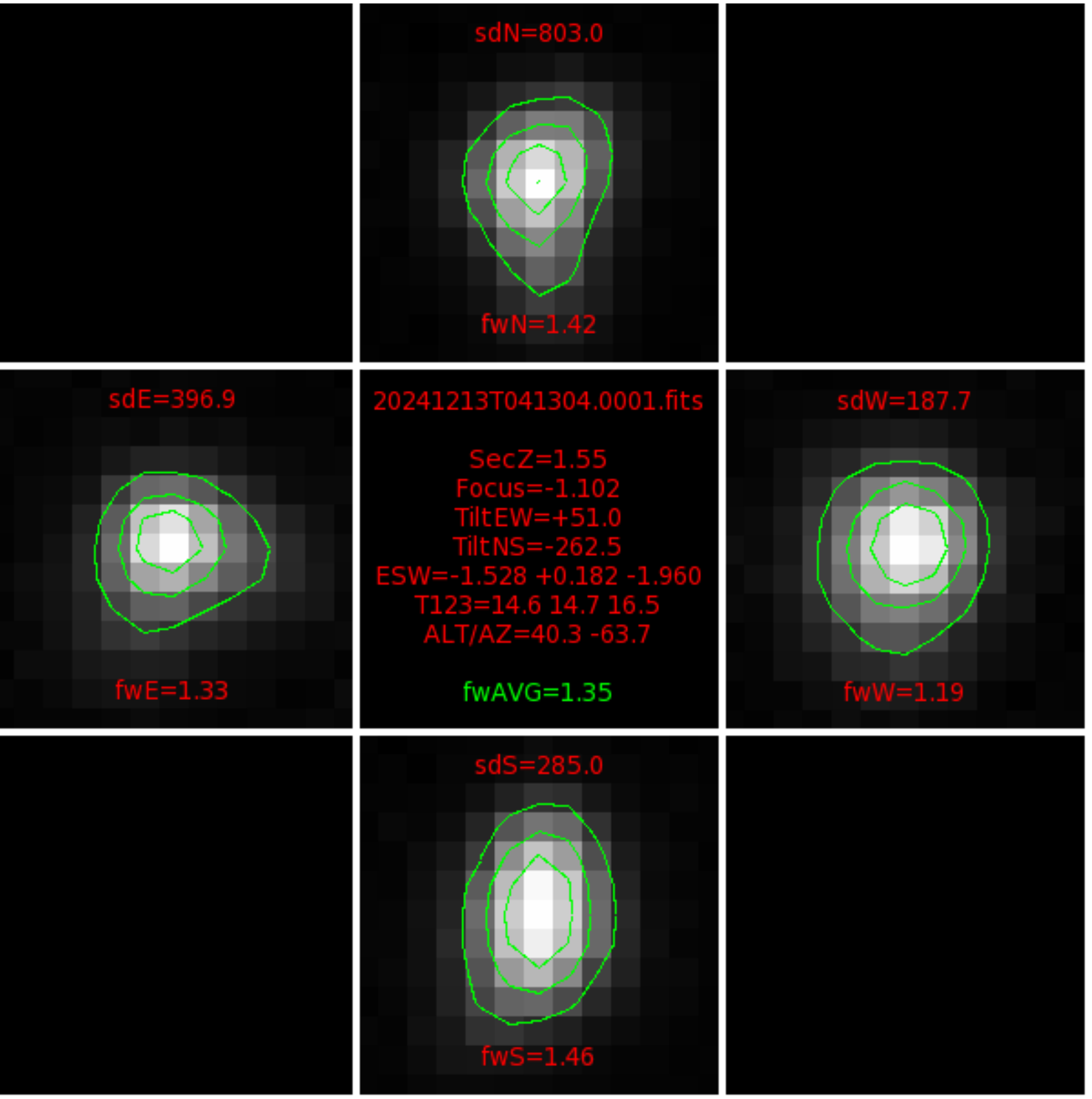
sdN=803.0
fwN=1.42
sdE=396.9
fwE=1.33
20241213T041304.0001.fits
SecZ=1.55
Focus=-1.102
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.528 +0.182 -1.960
T123=14.6 14.7 16.5
ALT/AZ=40.3 -63.7
fwAVG=1.35
sdW=187.7
fwW=1.19
sdS=285.0
fwS=1.46
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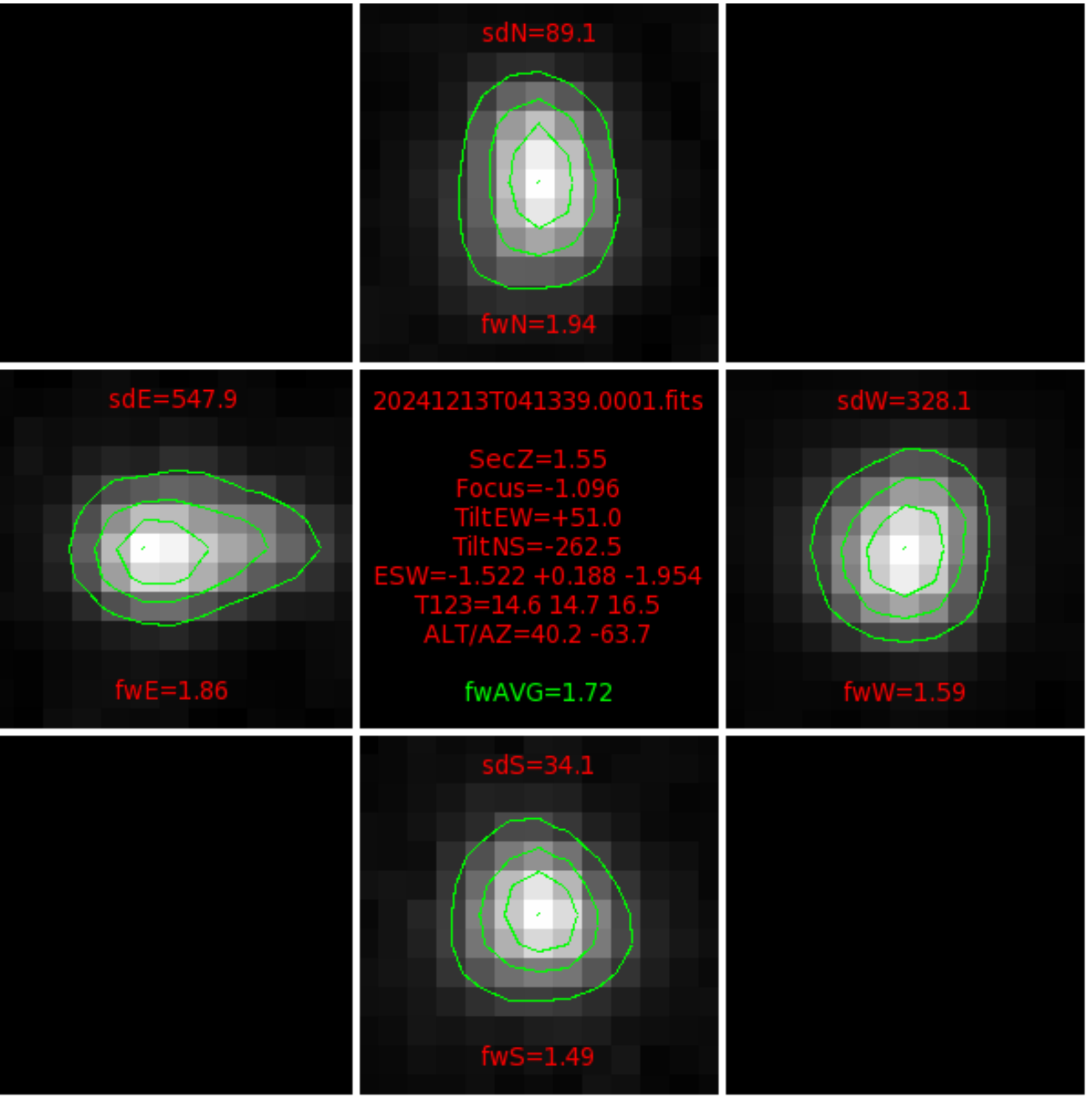
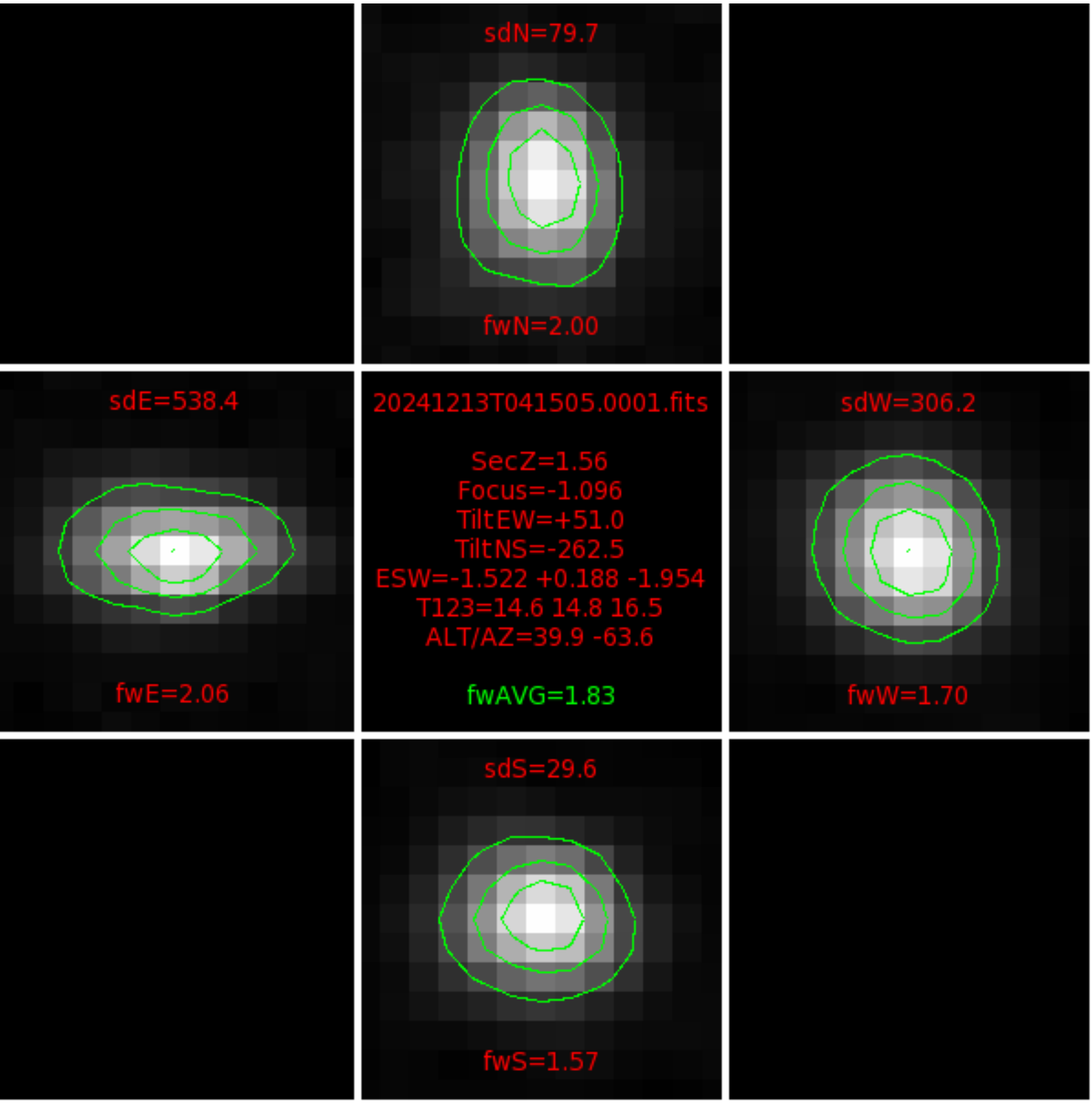
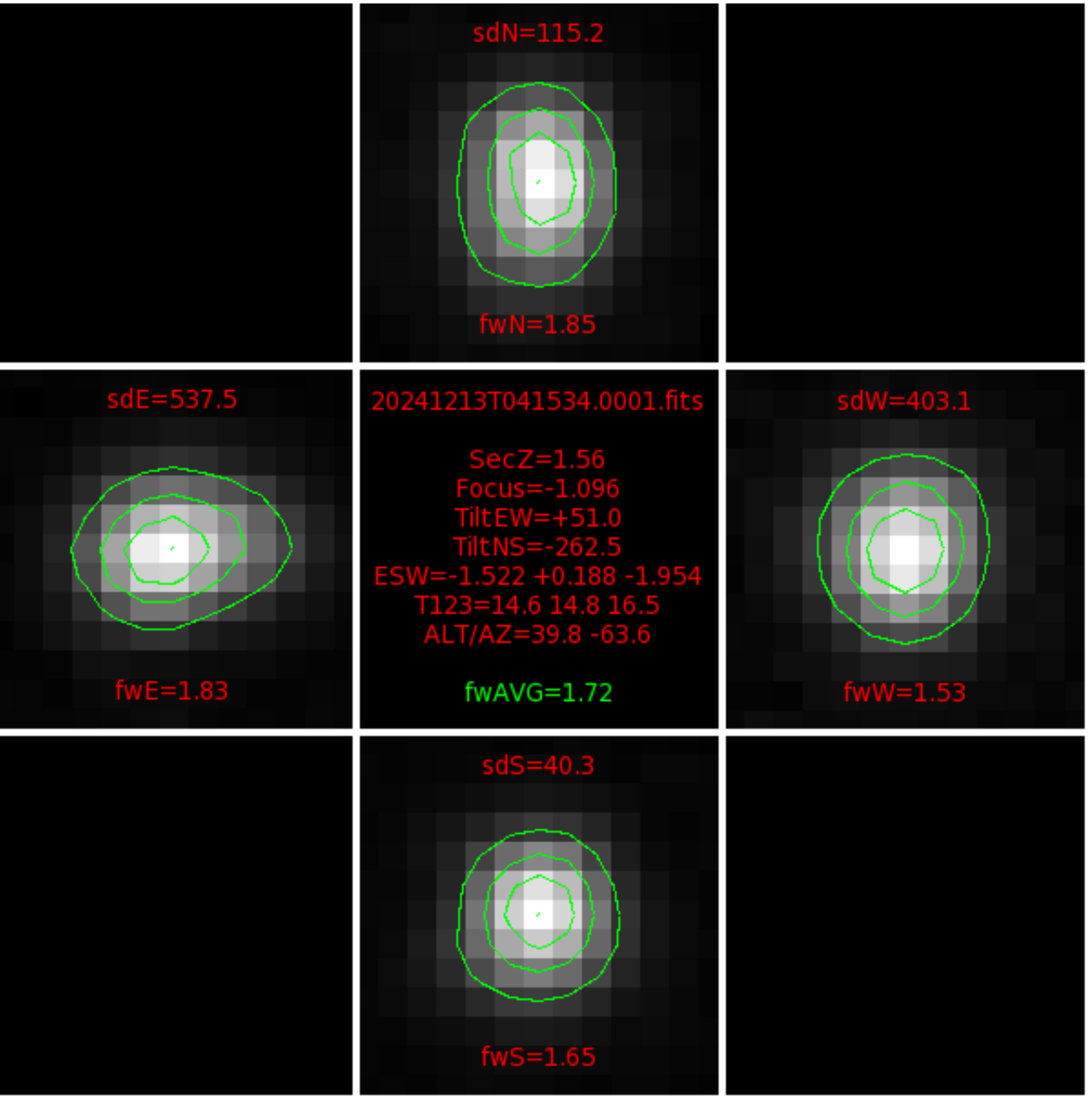

sdN=89.1
fwN=1.94
sdE=547.9
fwE=1.86
20241213T041339.0001.fits
SecZ=1.55
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.6 14.7 16.5
ALT/AZ=40.2 -63.7
fwAVG=1.72
sdW=328.1
fwW=1.59
sdS=34.1
fwS=1.49
0 0 0 0 0 0 0 0 0


sdN=79.7
fwN=2.00
sdE=538.4
fwE=2.06
20241213T041505.0001.fits
SecZ=1.56
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.6 14.8 16.5
ALT/AZ=39.9 -63.6
fwAVG=1.83
sdW=306.2
fwW=1.70
sdS=29.6
fwS=1.57
0 0 0 0 0 0 0 0 0


sdN=115.2
fwN=1.85
sdE=537.5
fwE=1.83
20241213T041534.0001.fits
SecZ=1.56
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.6 14.8 16.5
ALT/AZ=39.8 -63.6
fwAVG=1.72
sdW=403.1
fwW=1.53
sdS=40.3
fwS=1.65
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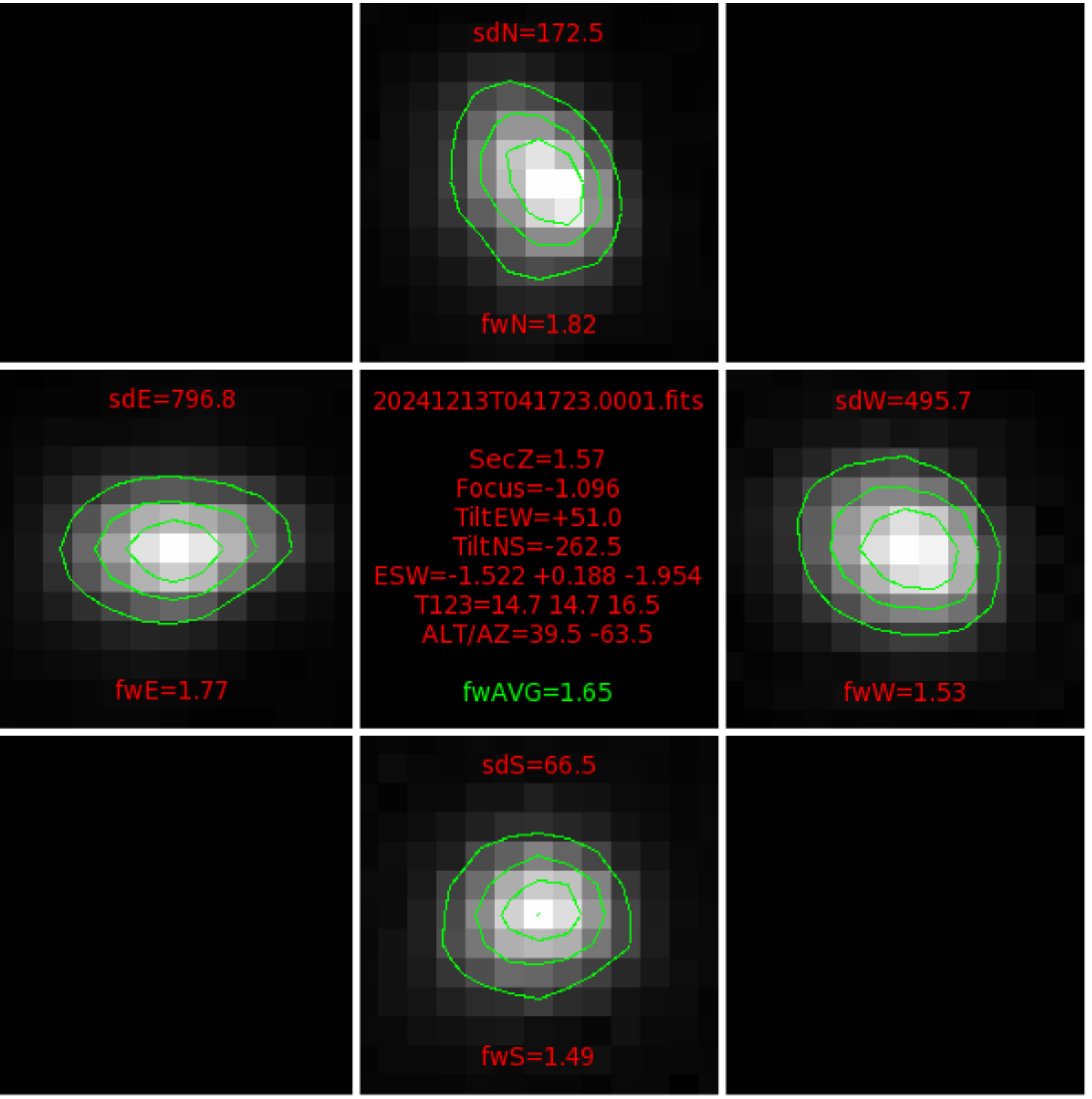
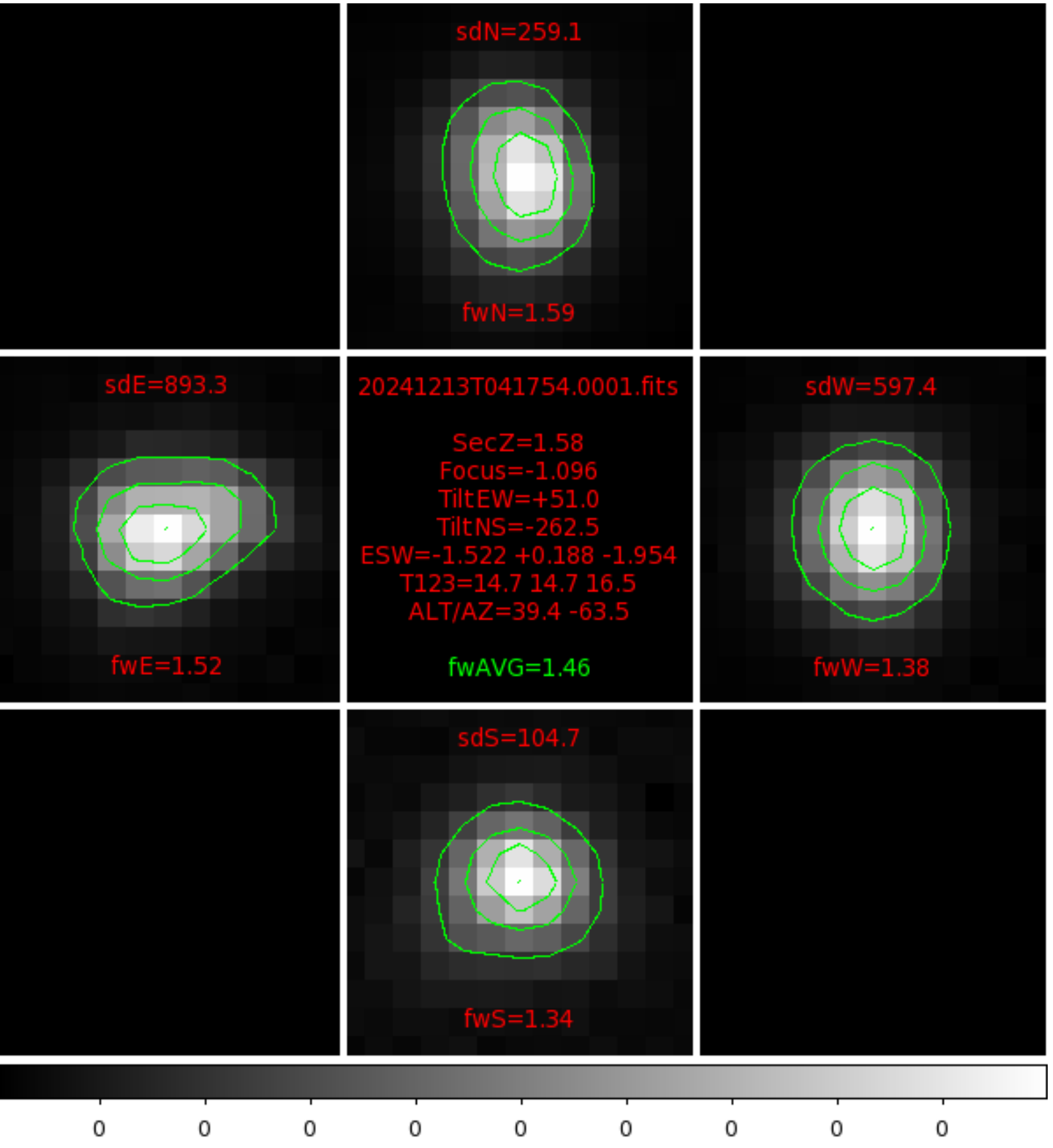

sdN=172.5
fwN=1.82
sdE=796.8
fwE=1.77
20241213T041723.0001.fits
SecZ=1.57
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.7 14.7 16.5
ALT/AZ=39.5 -63.5
fwAVG=1.65
sdW=495.7
fwW=1.53
sdS=66.5
fwS=1.49
0 0 0 0 0 0 0 0 0


sdN=259.1
fwN=1.59
sdE=893.3
fwE=1.52
20241213T041754.0001.fits
SecZ=1.58
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.7 14.7 16.5
ALT/AZ=39.4 -63.5
fwAVG=1.46
sdW=597.4
fwW=1.38
sdS=104.7
fwS=1.34
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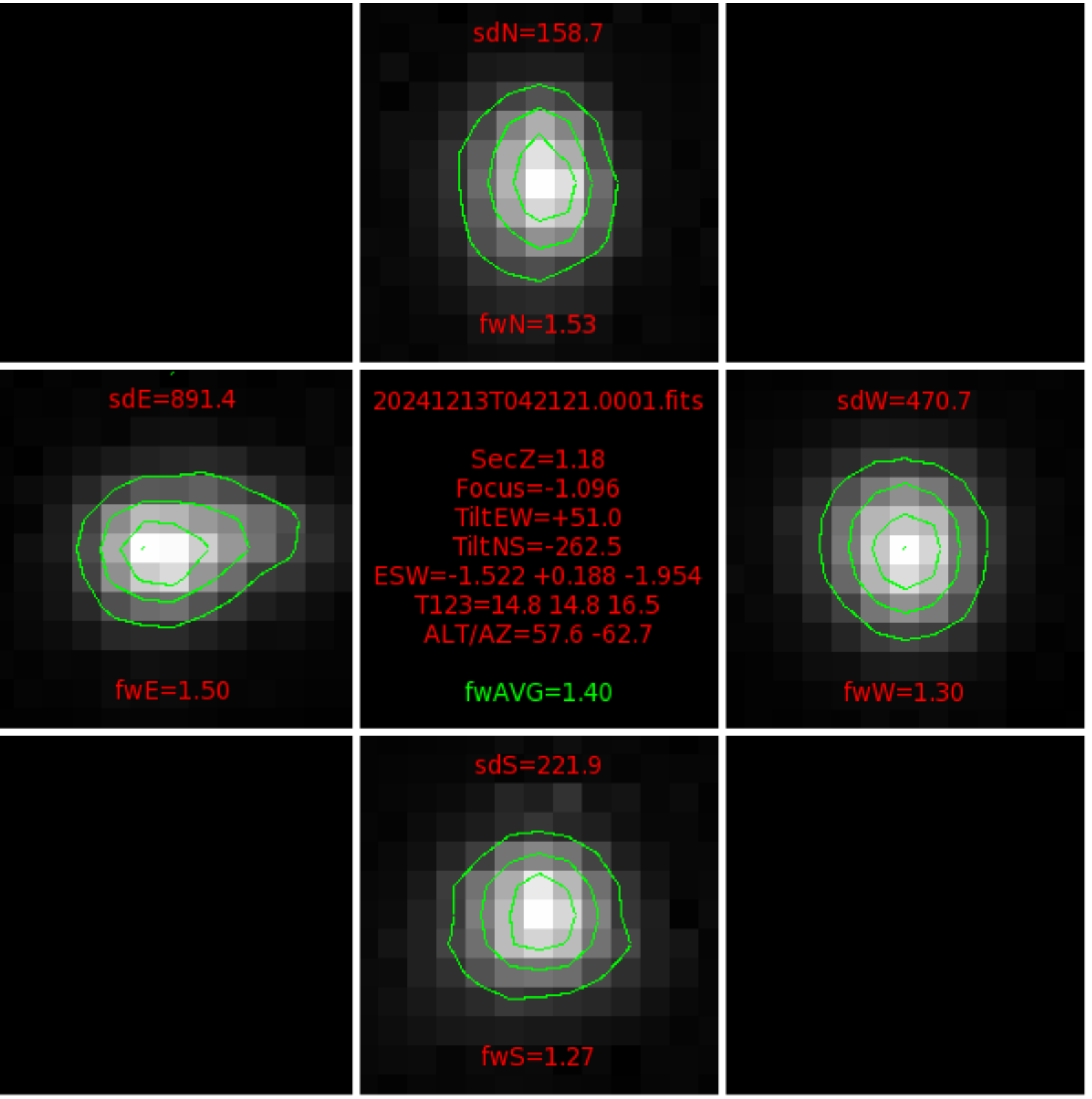
sdN=158.7
fwN=1.53
sdE=891.4
fwE=1.50
20241213T042121.0001.fits
SecZ=1.18
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.8 14.8 16.5
ALT/AZ=57.6 -62.7
fwAVG=1.40
sdW=470.7
fwW=1.30
sdS=221.9
fwS=1.27
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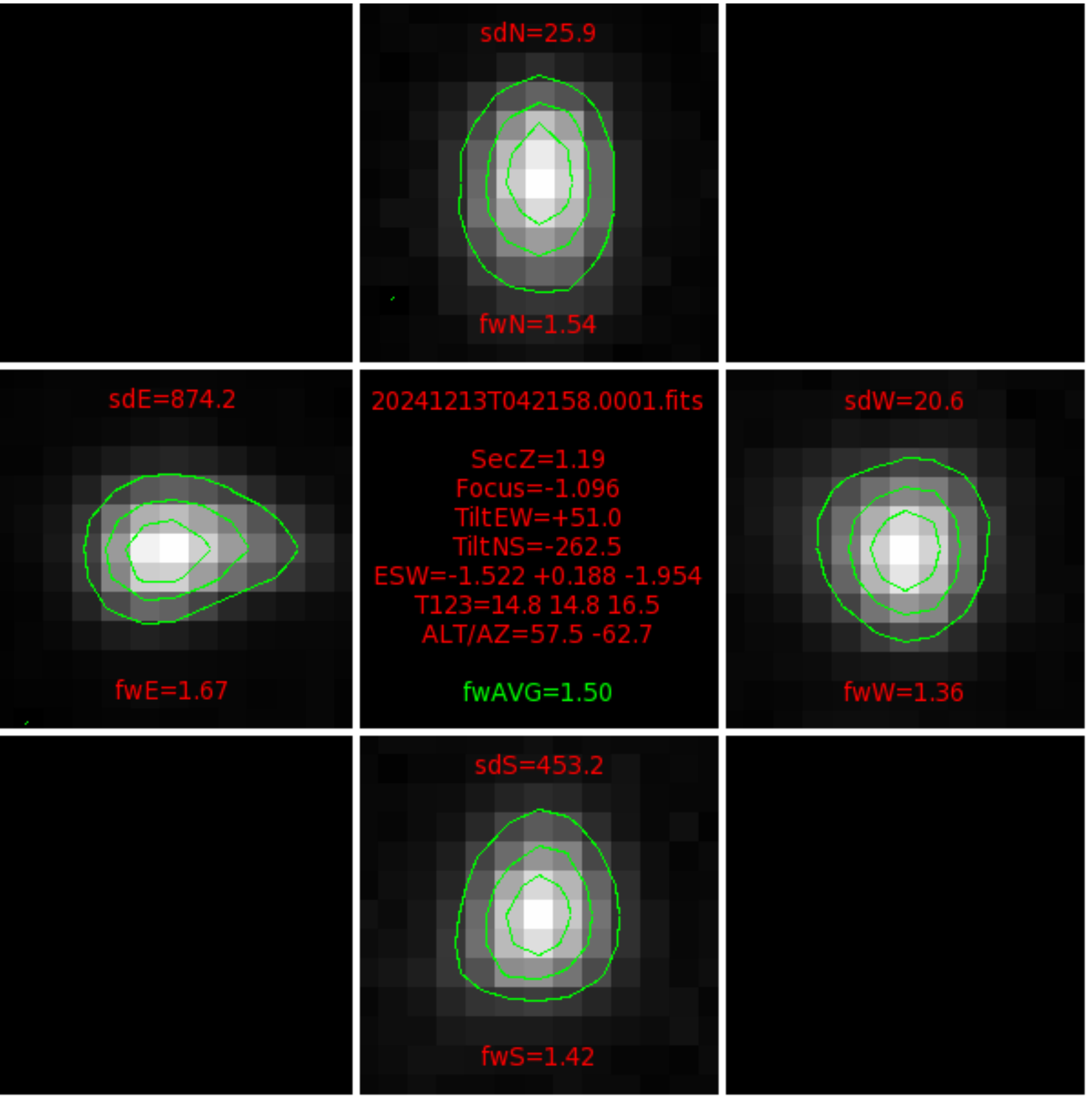
sdN=25.9
fwN=1.54
sdE=874.2
fwE=1.67
20241213T042158.0001.fits
SecZ=1.19
Focus=-1.096
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.522 +0.188 -1.954
T123=14.8 14.8 16.5
ALT/AZ=57.5 -62.7
fwAVG=1.50
sdW=20.6
fwW=1.36
sdS=453.2
fwS=1.42
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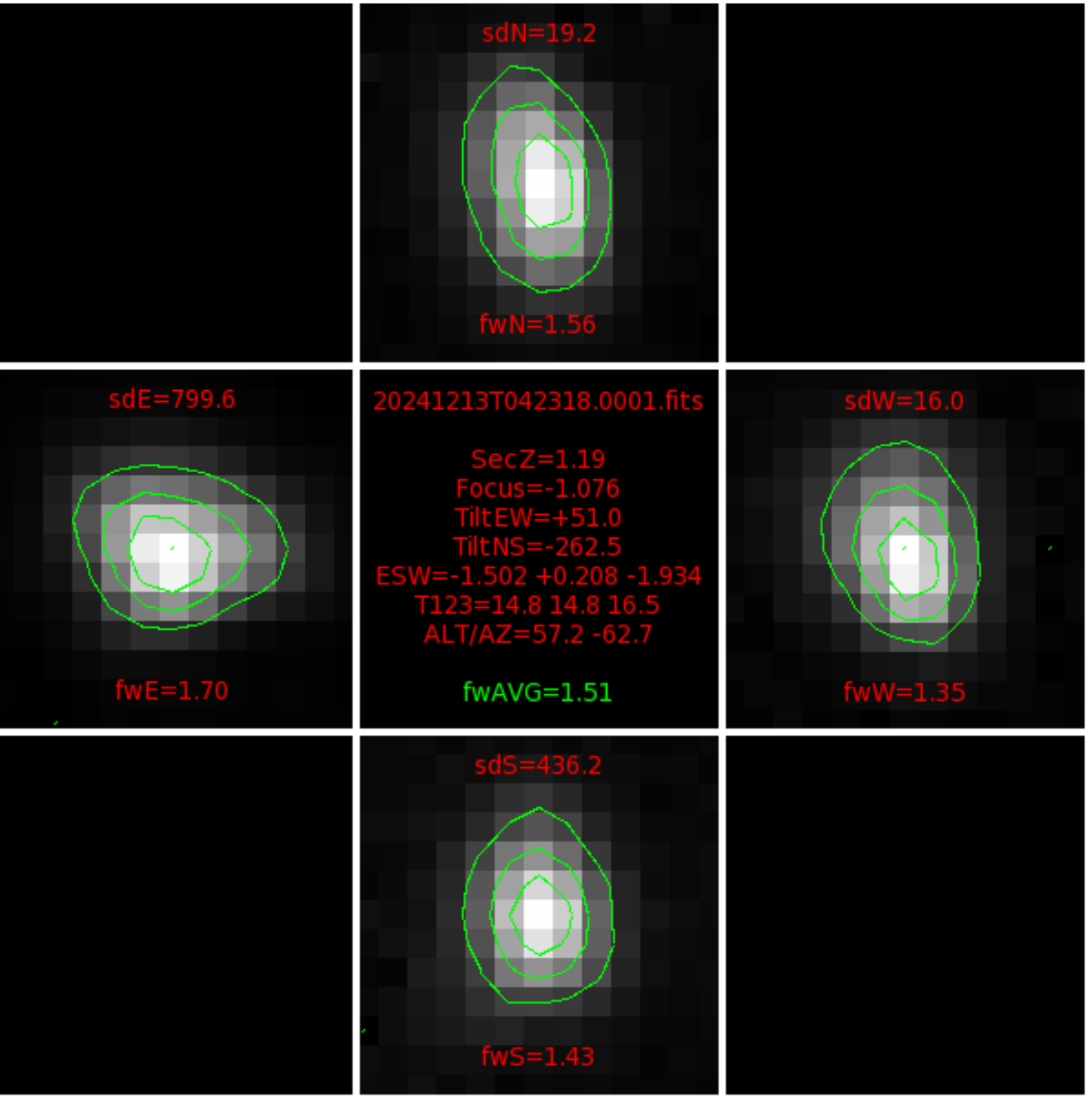
sdN=19.2
fwN=1.56
sdE=799.6
fwE=1.70
20241213T042318.0001.fits
SecZ=1.19
Focus=-1.076
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.502 +0.208 -1.934
T123=14.8 14.8 16.5
ALT/AZ=57.2 -62.7
fwAVG=1.51
sdW=16.0
fwW=1.35
sdS=436.2
fwS=1.43
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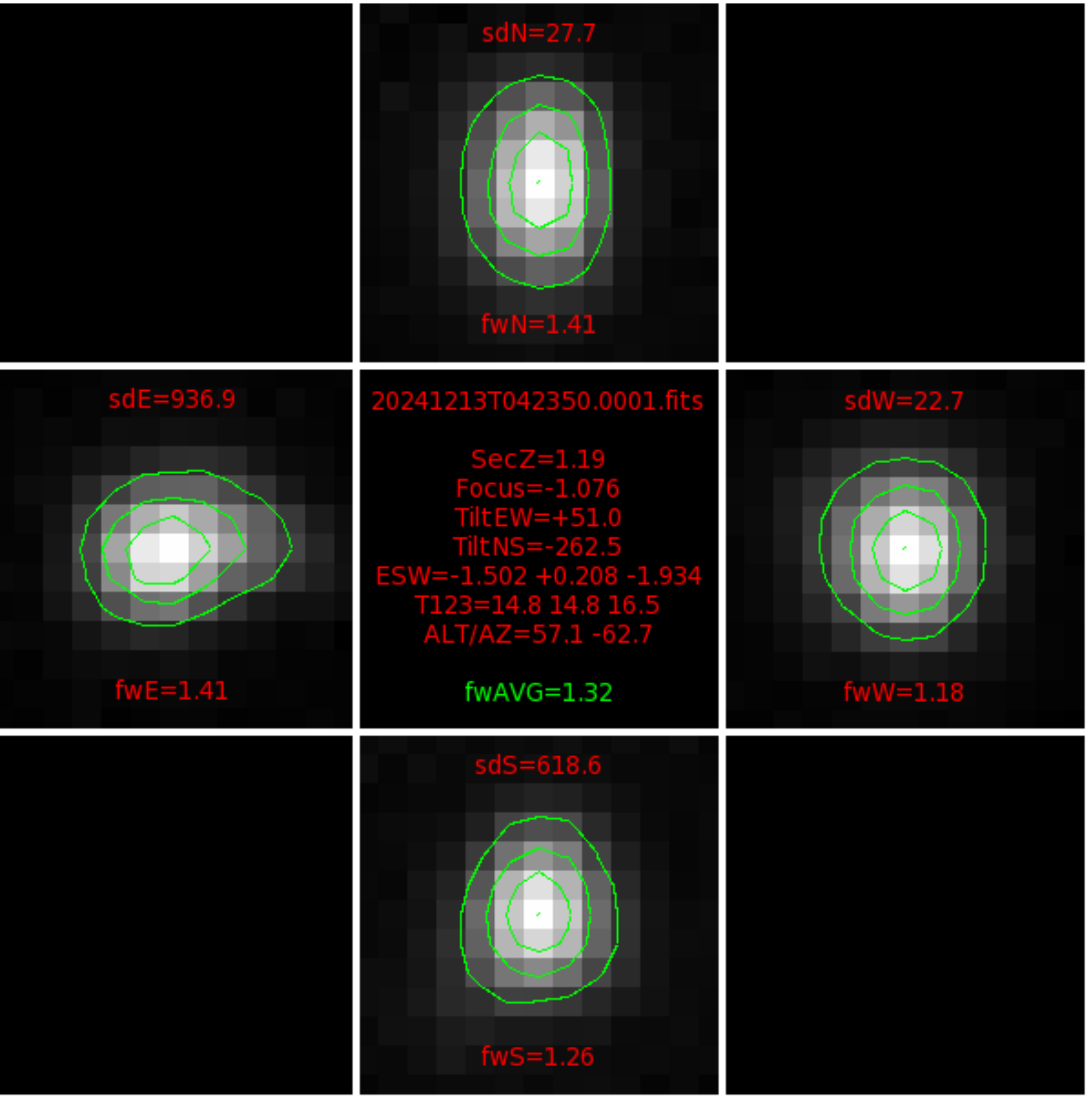
sdN=27.7
fwN=1.41
sdE=936.9
fwE=1.41
20241213T042350.0001.fits
SecZ=1.19
Focus=-1.076
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.502 +0.208 -1.934
T123=14.8 14.8 16.5
ALT/AZ=57.1 -62.7
fwAVG=1.32
sdW=22.7
fwW=1.18
sdS=618.6
fwS=1.26
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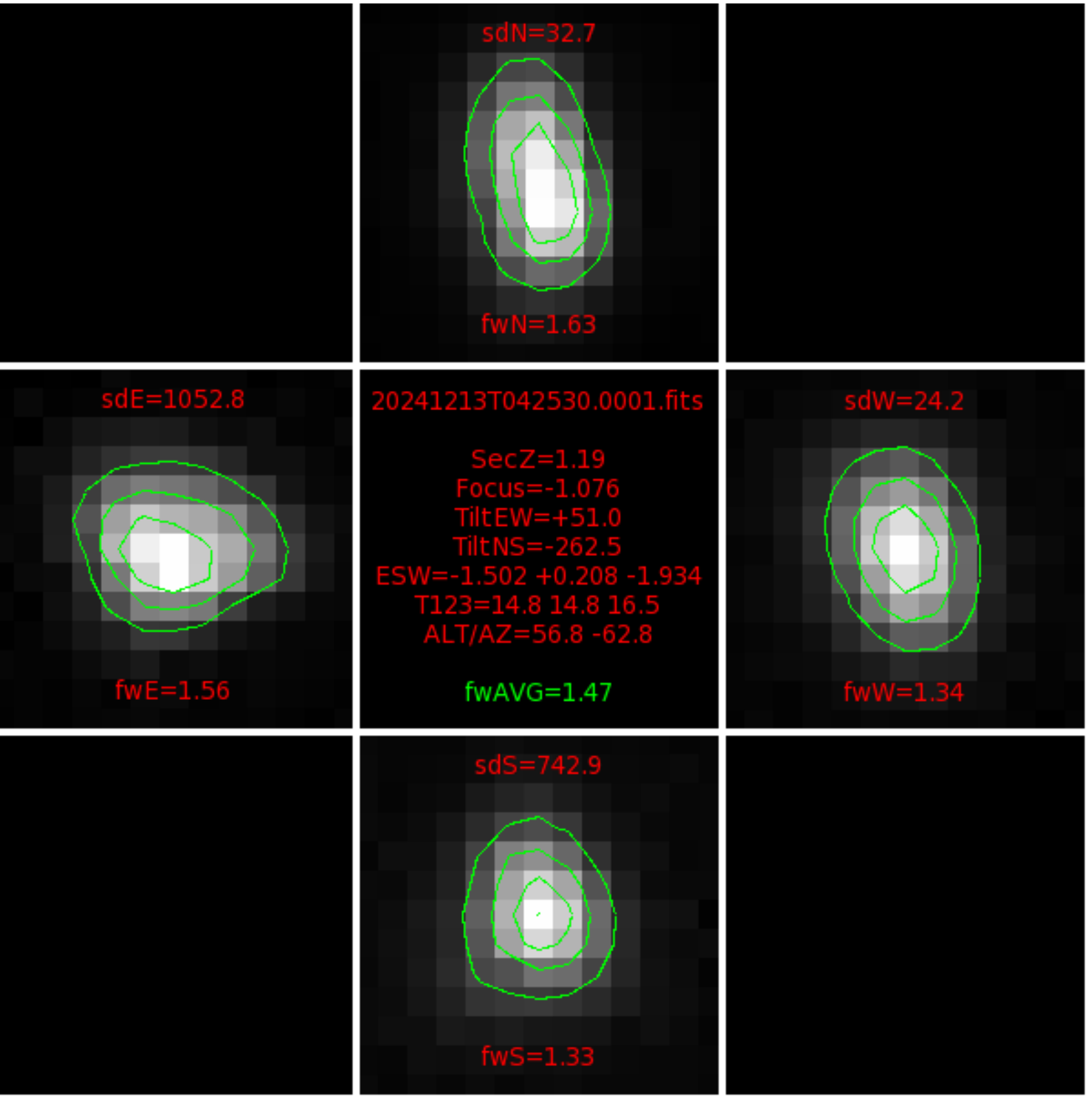
sdN=32.7
fwN=1.63
sdE=1052.8
fwE=1.56
20241213T042530.0001.fits
SecZ=1.19
Focus=-1.076
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.502 +0.208 -1.934
T123=14.8 14.8 16.5
ALT/AZ=56.8 -62.8
fwAVG=1.47
sdW=24.2
fwW=1.34
sdS=742.9
fwS=1.33
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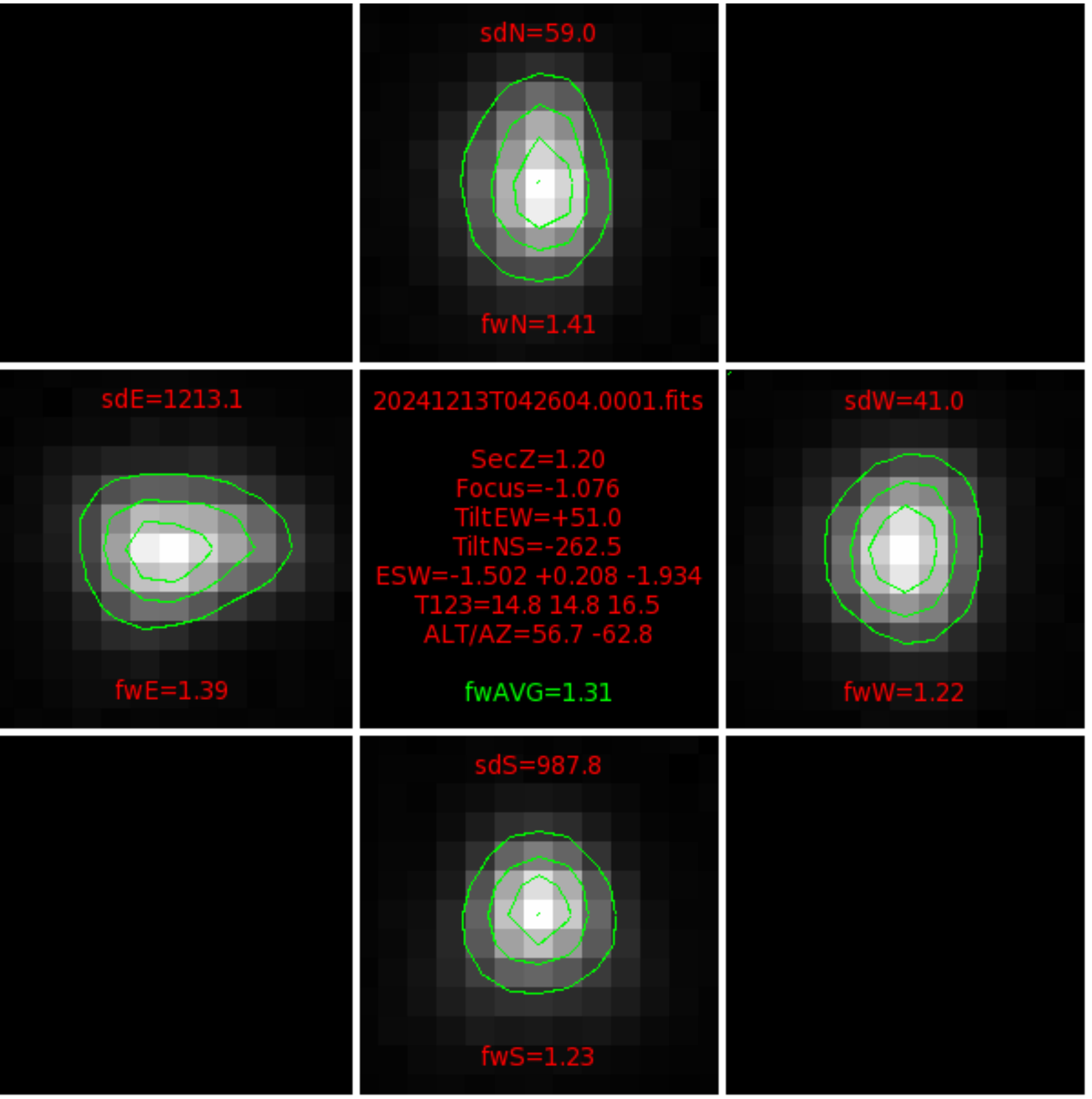
sdN=59.0
fwN=1.41
sdE=1213.1
fwE=1.39
20241213T042604.0001.fits
SecZ=1.20
Focus=-1.076
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.502 +0.208 -1.934
T123=14.8 14.8 16.5
ALT/AZ=56.7 -62.8
fwAVG=1.31
sdW=41.0
fwW=1.22
sdS=987.8
fwS=1.23
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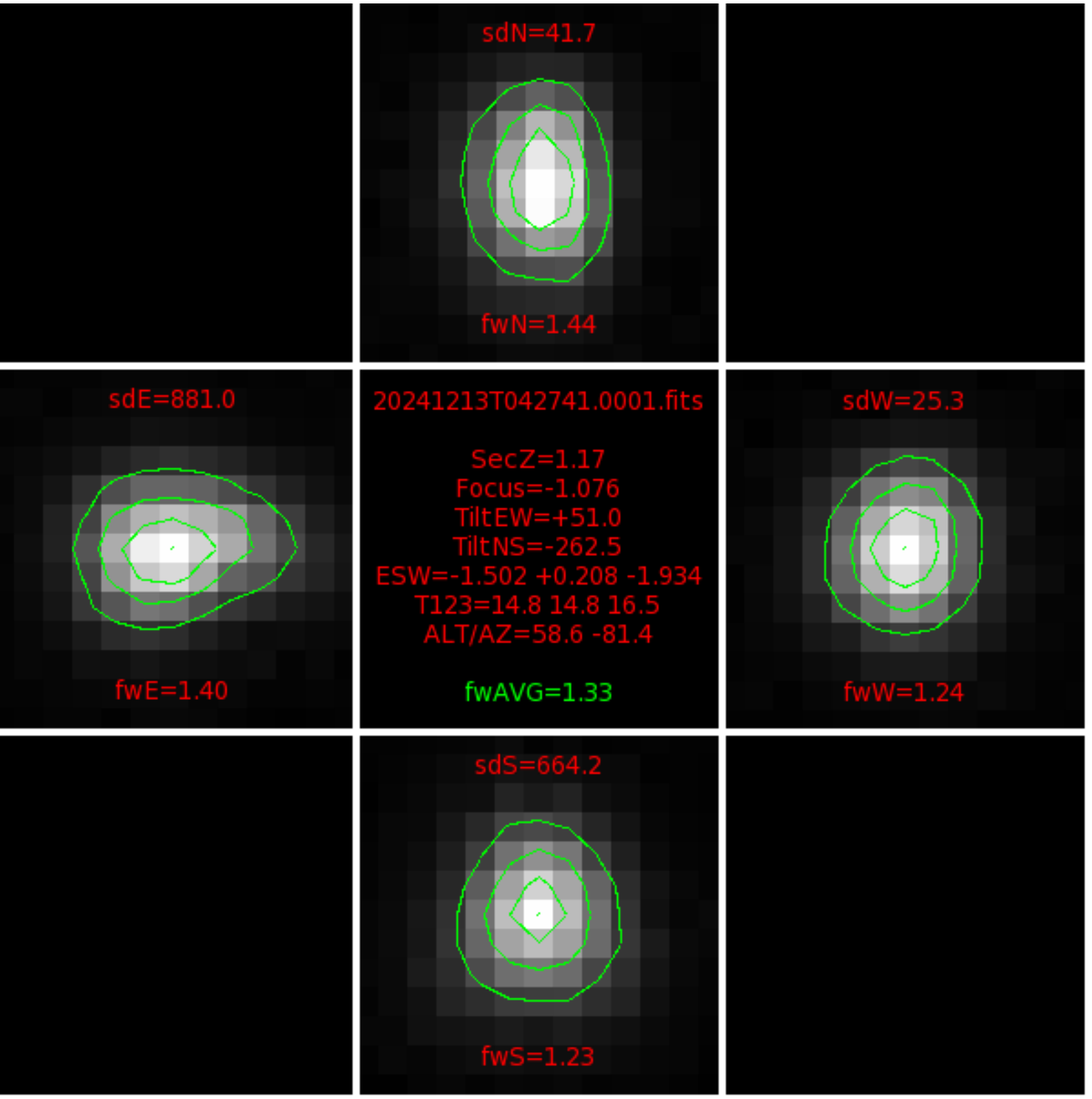
sdN=41.7
fwN=1.44
sdE=881.0
fwE=1.40
20241213T042741.0001.fits
SecZ=1.17
Focus=-1.076
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.502 +0.208 -1.934
T123=14.8 14.8 16.5
ALT/AZ=58.6 -81.4
fwAVG=1.33
sdW=25.3
fwW=1.24
sdS=664.2
fwS=1.23
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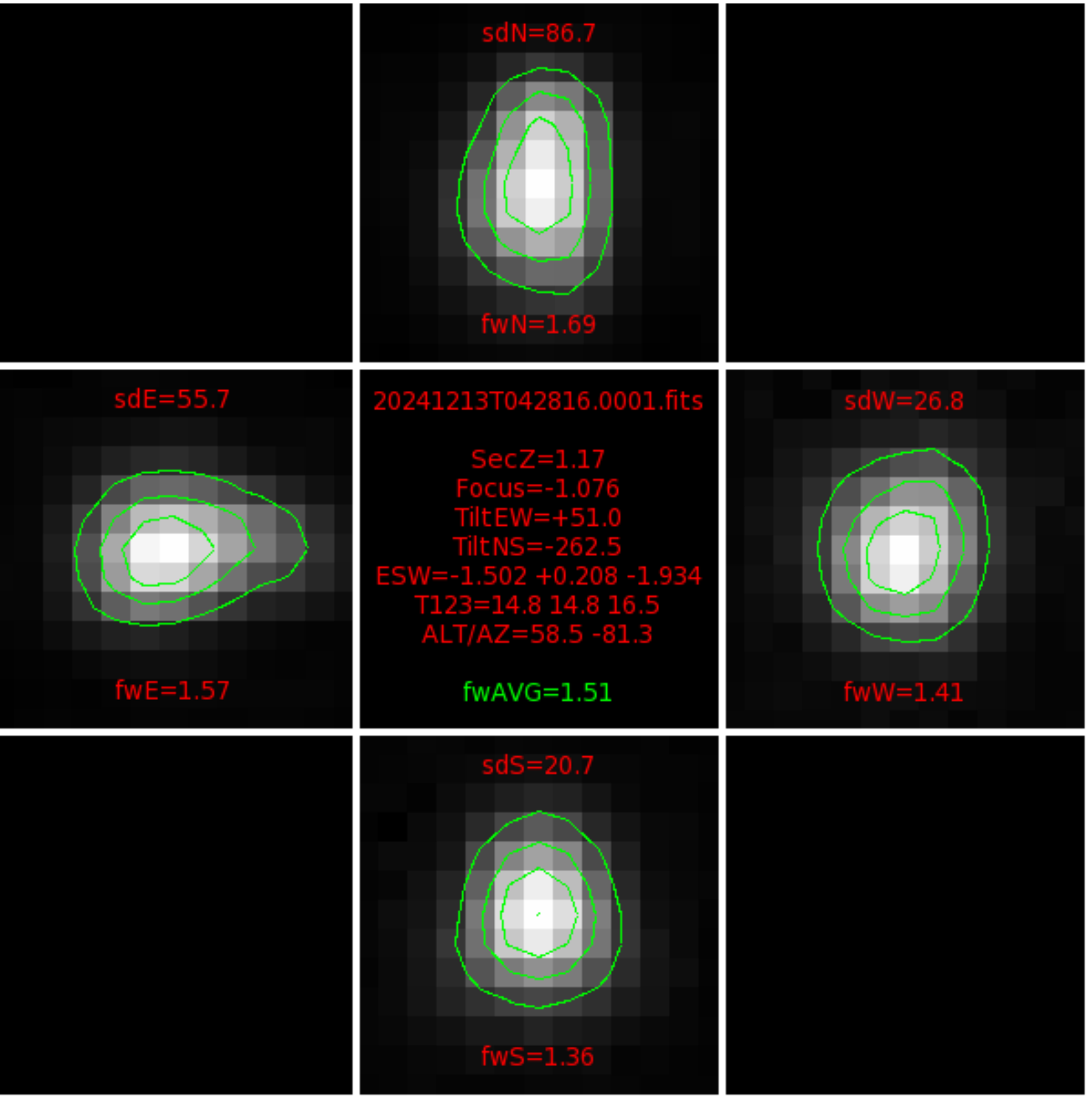
sdN=86.7
fwN=1.69
sdE=55.7
fwE=1.57
20241213T042816.0001.fits
SecZ=1.17
Focus=-1.076
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.502 +0.208 -1.934
T123=14.8 14.8 16.5
ALT/AZ=58.5 -81.3
fwAVG=1.51
sdW=26.8
fwW=1.41
sdS=20.7
fwS=1.36
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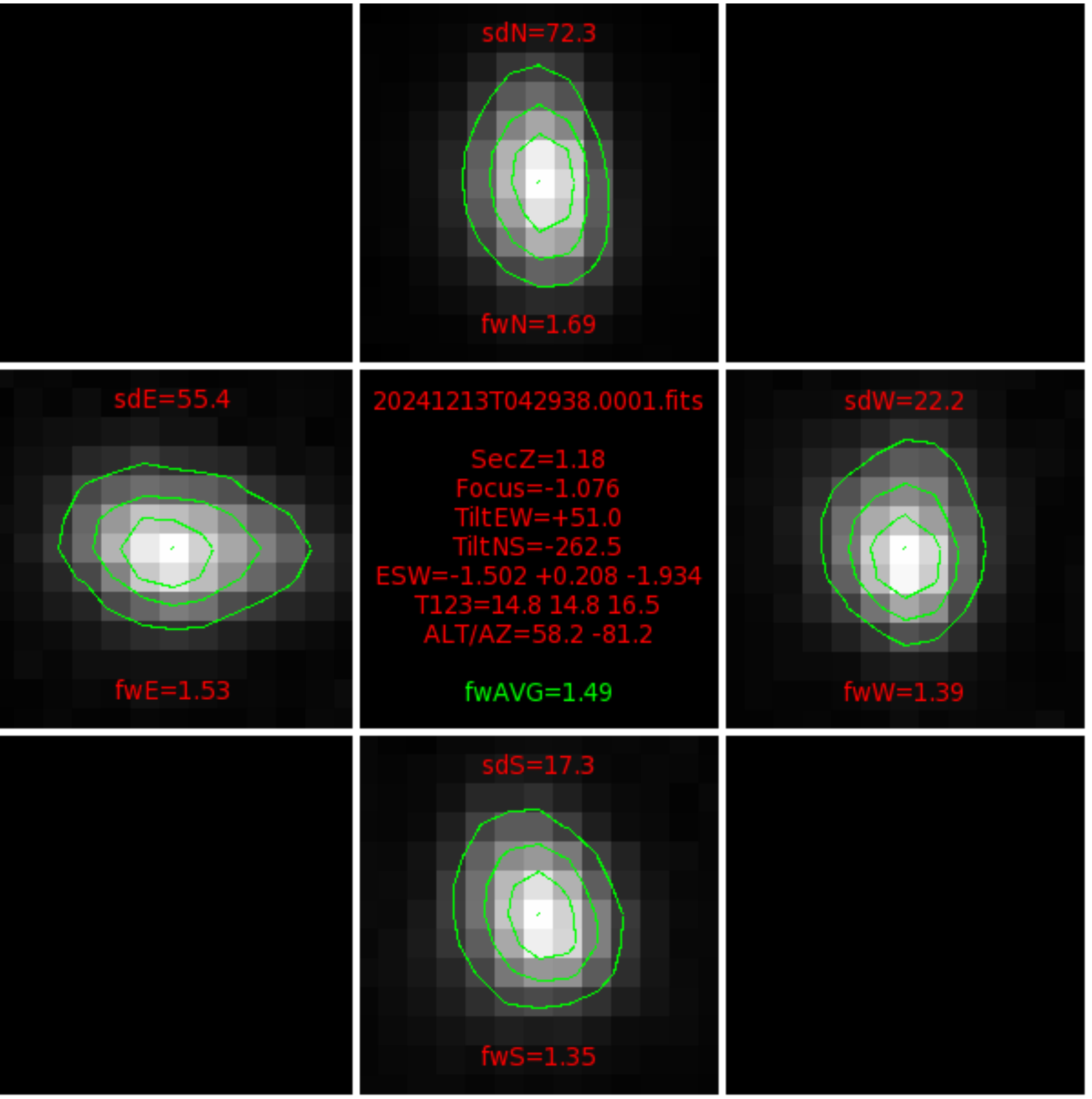
sdN=72.3
fwN=1.69
sdE=55.4
fwE=1.53
20241213T042938.0001.fits
SecZ=1.18
Focus=-1.076
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.502 +0.208 -1.934
T123=14.8 14.8 16.5
ALT/AZ=58.2 -81.2
fwAVG=1.49
sdW=22.2
fwW=1.39
sdS=17.3
fwS=1.35
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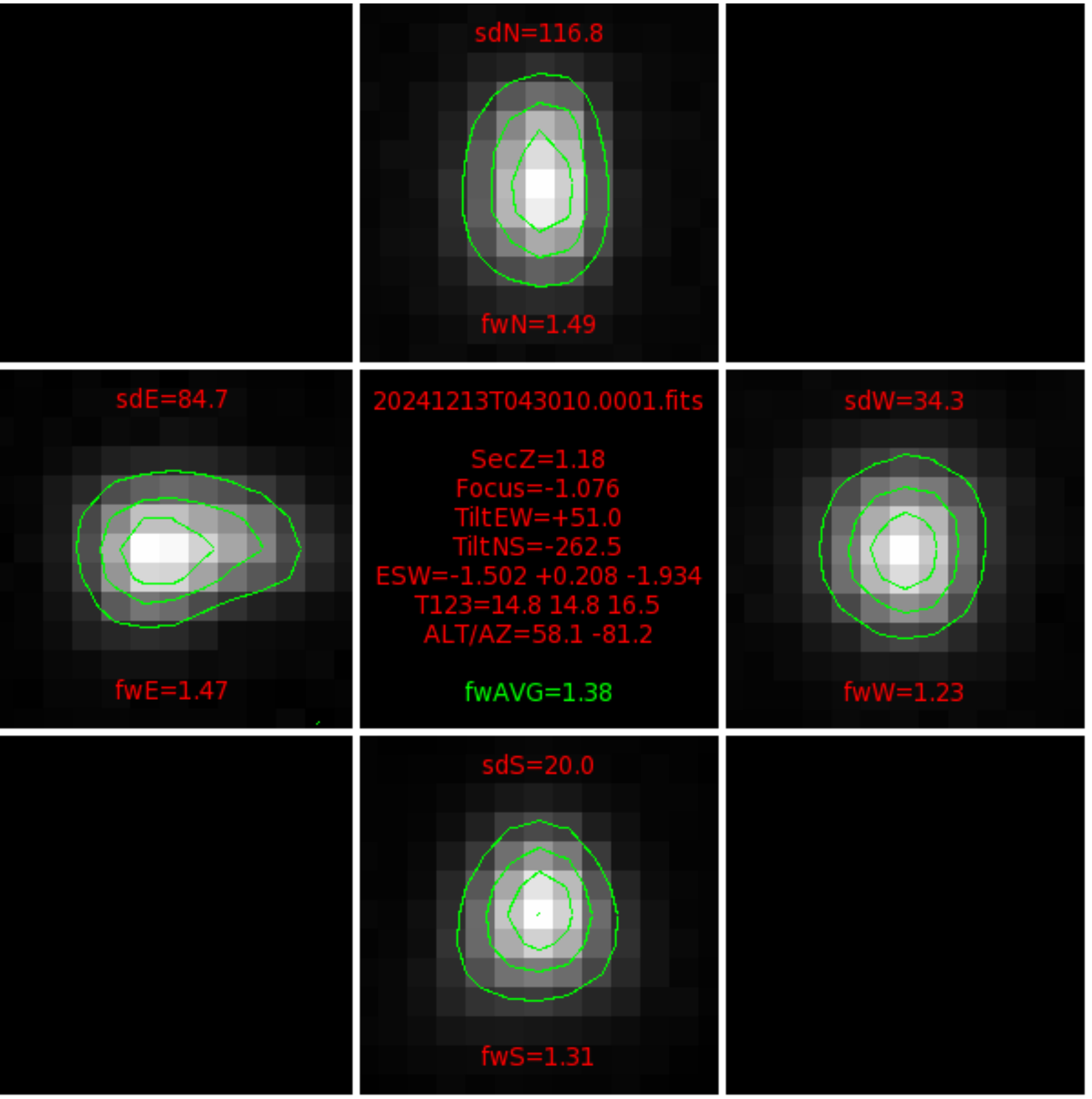
sdN=116.8
fwN=1.49
sdE=84.7
fwE=1.47
20241213T043010.0001.fits
SecZ=1.18
Focus=-1.076
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.502 +0.208 -1.934
T123=14.8 14.8 16.5
ALT/AZ=58.1 -81.2
fwAVG=1.38
sdW=34.3
fwW=1.23
sdS=20.0
fwS=1.31
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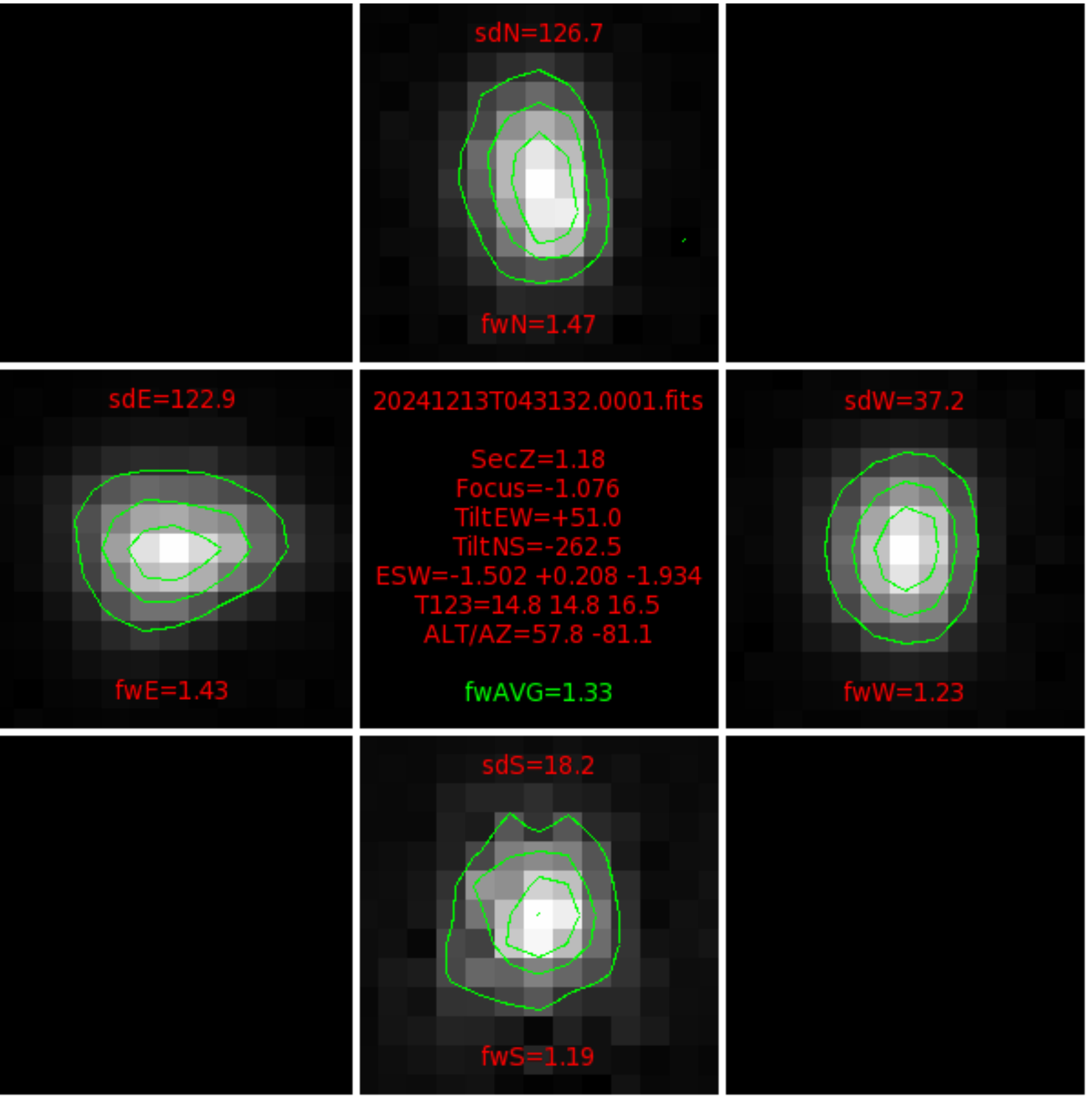
sdN=126.7
fwN=1.47
sdE=122.9
fwE=1.43
20241213T043132.0001.fits
SecZ=1.18
Focus=-1.076
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.502 +0.208 -1.934
T123=14.8 14.8 16.5
ALT/AZ=57.8 -81.1
fwAVG=1.33
sdW=37.2
fwW=1.23
sdS=18.2
fwS=1.19
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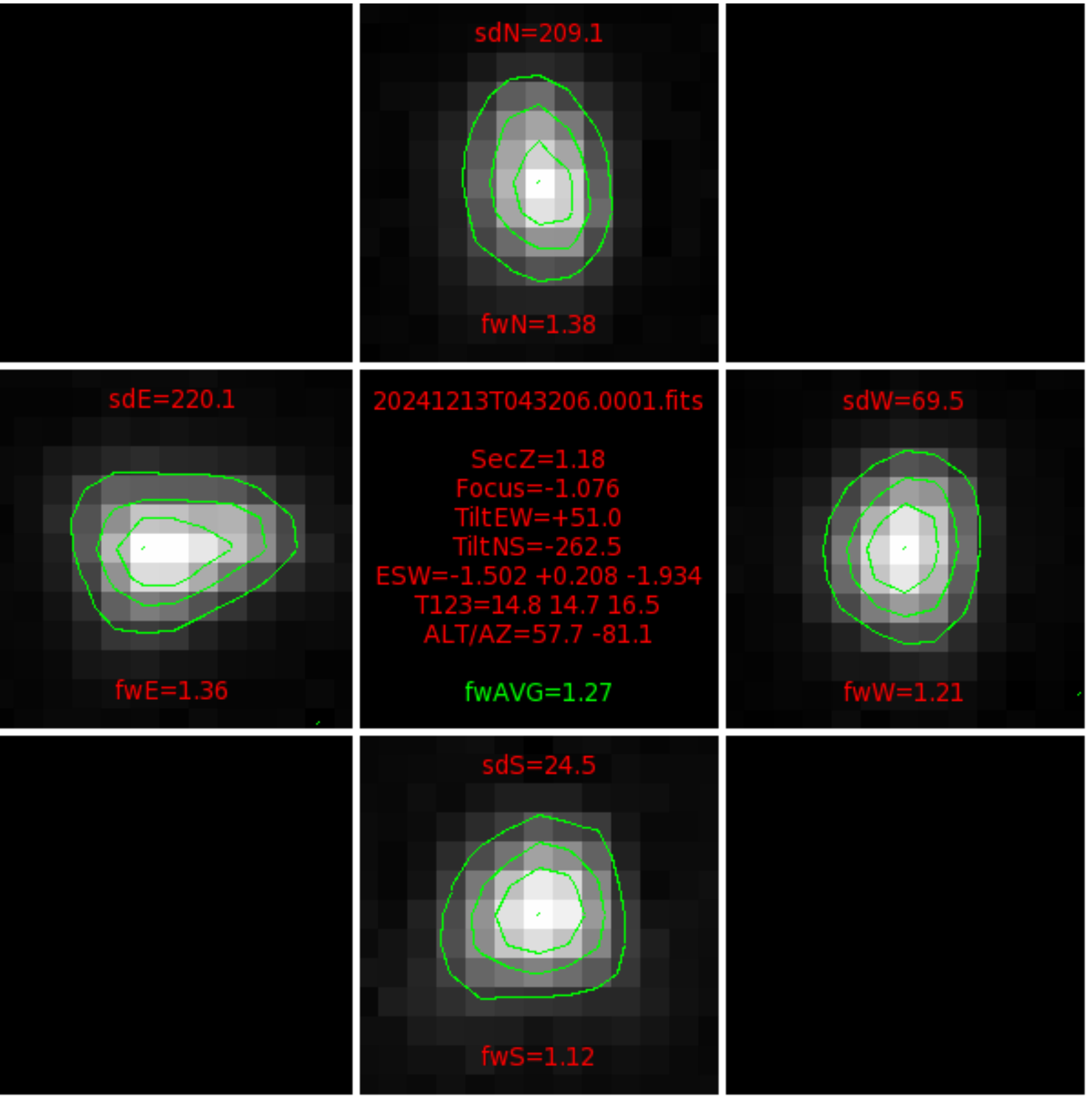
sdN=209.1
fwN=1.38
sdE=220.1
fwE=1.36
20241213T043206.0001.fits
SecZ=1.18
Focus=-1.076
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.502 +0.208 -1.934
T123=14.8 14.7 16.5
ALT/AZ=57.7 -81.1
fwAVG=1.27
sdW=69.5
fwW=1.21
sdS=24.5
fwS=1.12
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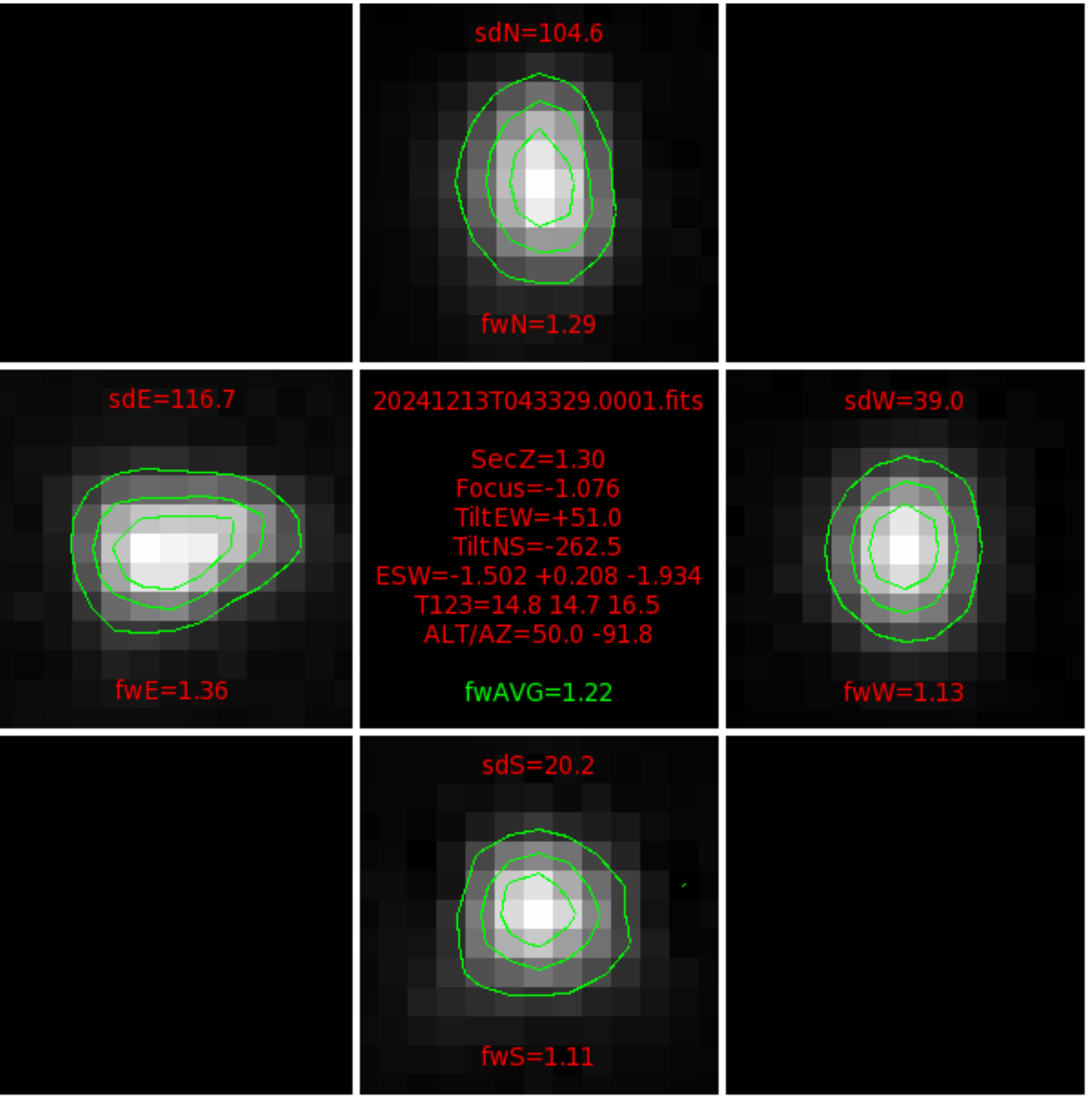
sdN=104.6
fwN=1.29
sdE=116.7
fwE=1.36
20241213T043329.0001.fits
SecZ=1.30
Focus=-1.076
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.502 +0.208 -1.934
T123=14.8 14.7 16.5
ALT/AZ=50.0 -91.8
fwAVG=1.22
sdW=39.0
fwW=1.13
sdS=20.2
fwS=1.11
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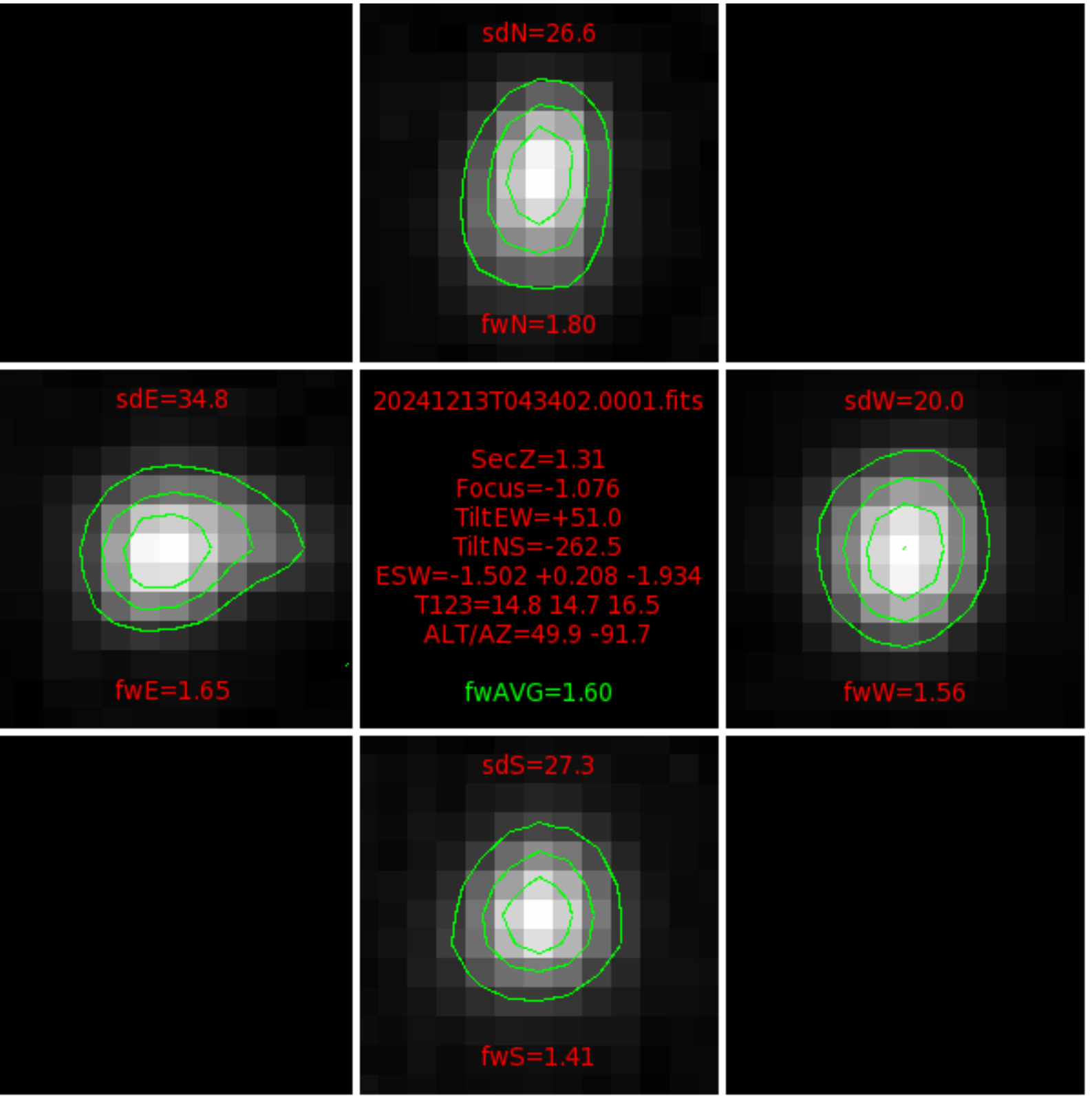
sdN=26.6
fwN=1.80
sdE=34.8
fwE=1.65
20241213T043402.0001.fits
SecZ=1.31
Focus=-1.076
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.502 +0.208 -1.934
T123=14.8 14.7 16.5
ALT/AZ=49.9 -91.7
fwAVG=1.60
sdW=20.0
fwW=1.56
sdS=27.3
fwS=1.41
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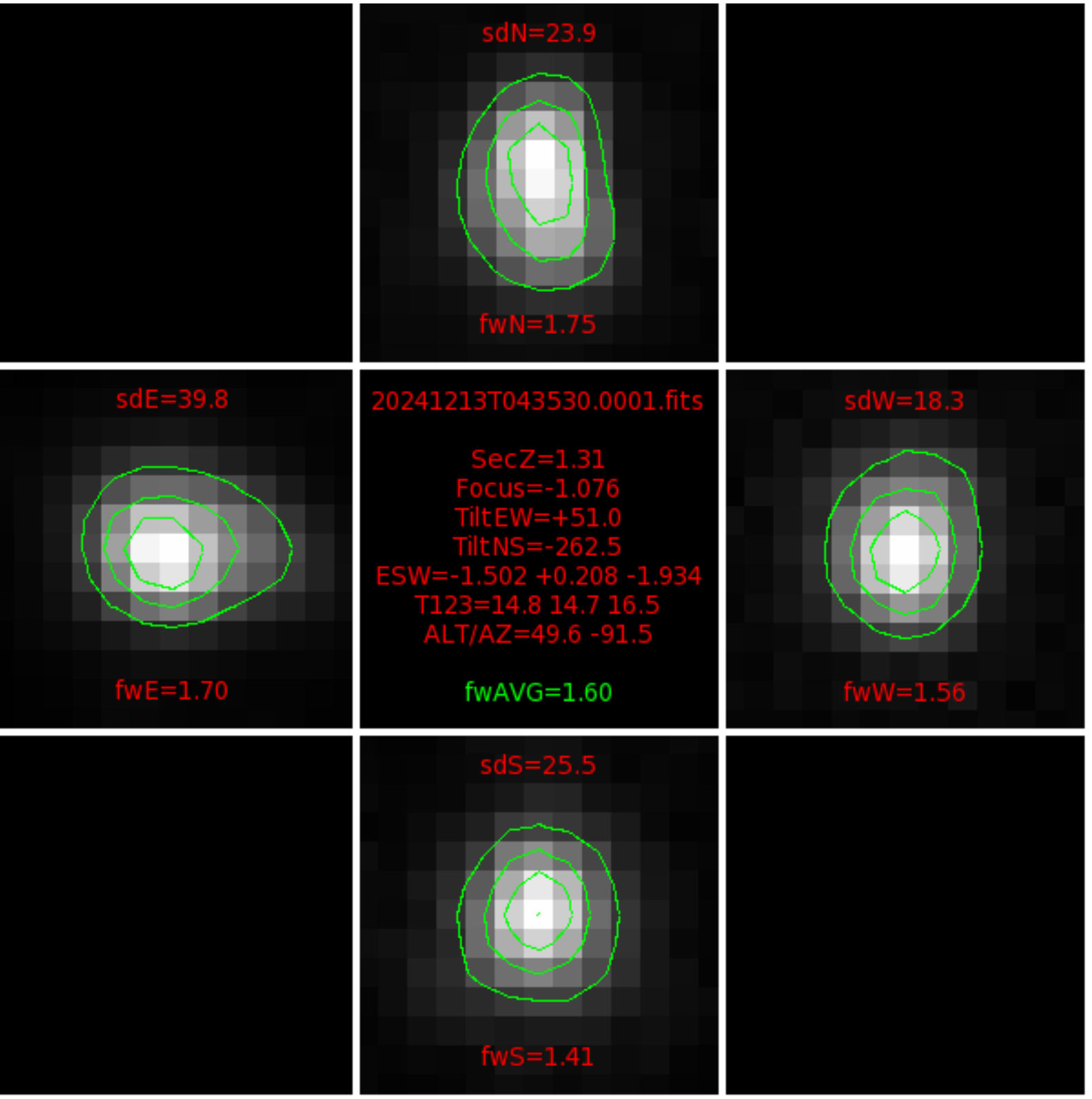
sdN=23.9
fwN=1.75
sdE=39.8
fwE=1.70
20241213T043530.0001.fits
SecZ=1.31
Focus=-1.076
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.502 +0.208 -1.934
T123=14.8 14.7 16.5
ALT/AZ=49.6 -91.5
fwAVG=1.60
sdW=18.3
fwW=1.56
sdS=25.5
fwS=1.41
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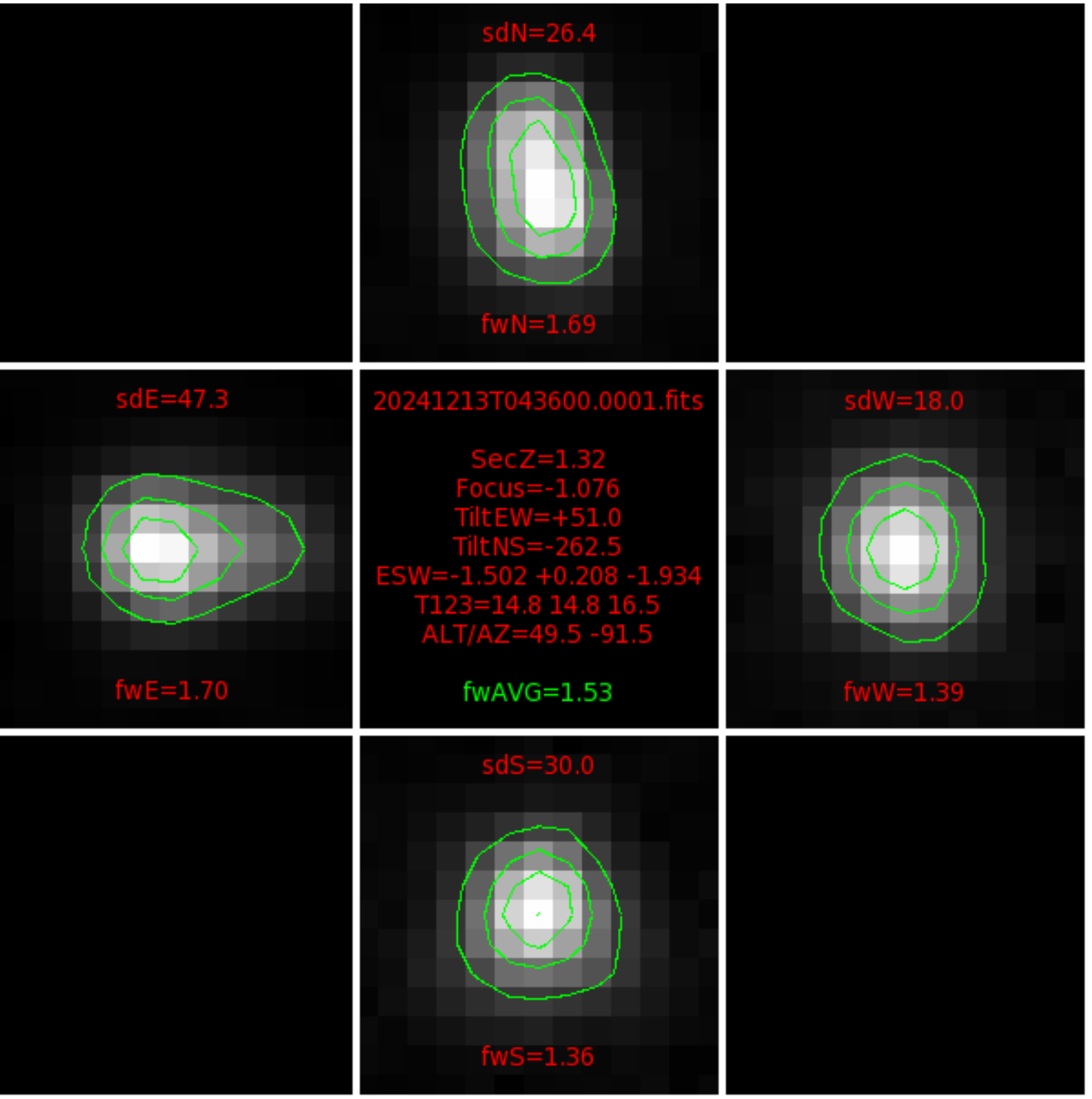
sdN=26.4
fwN=1.69
sdE=47.3
fwE=1.70
20241213T043600.0001.fits
SecZ=1.32
Focus=-1.076
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.502 +0.208 -1.934
T123=14.8 14.8 16.5
ALT/AZ=49.5 -91.5
fwAVG=1.53
sdW=18.0
fwW=1.39
sdS=30.0
fwS=1.36
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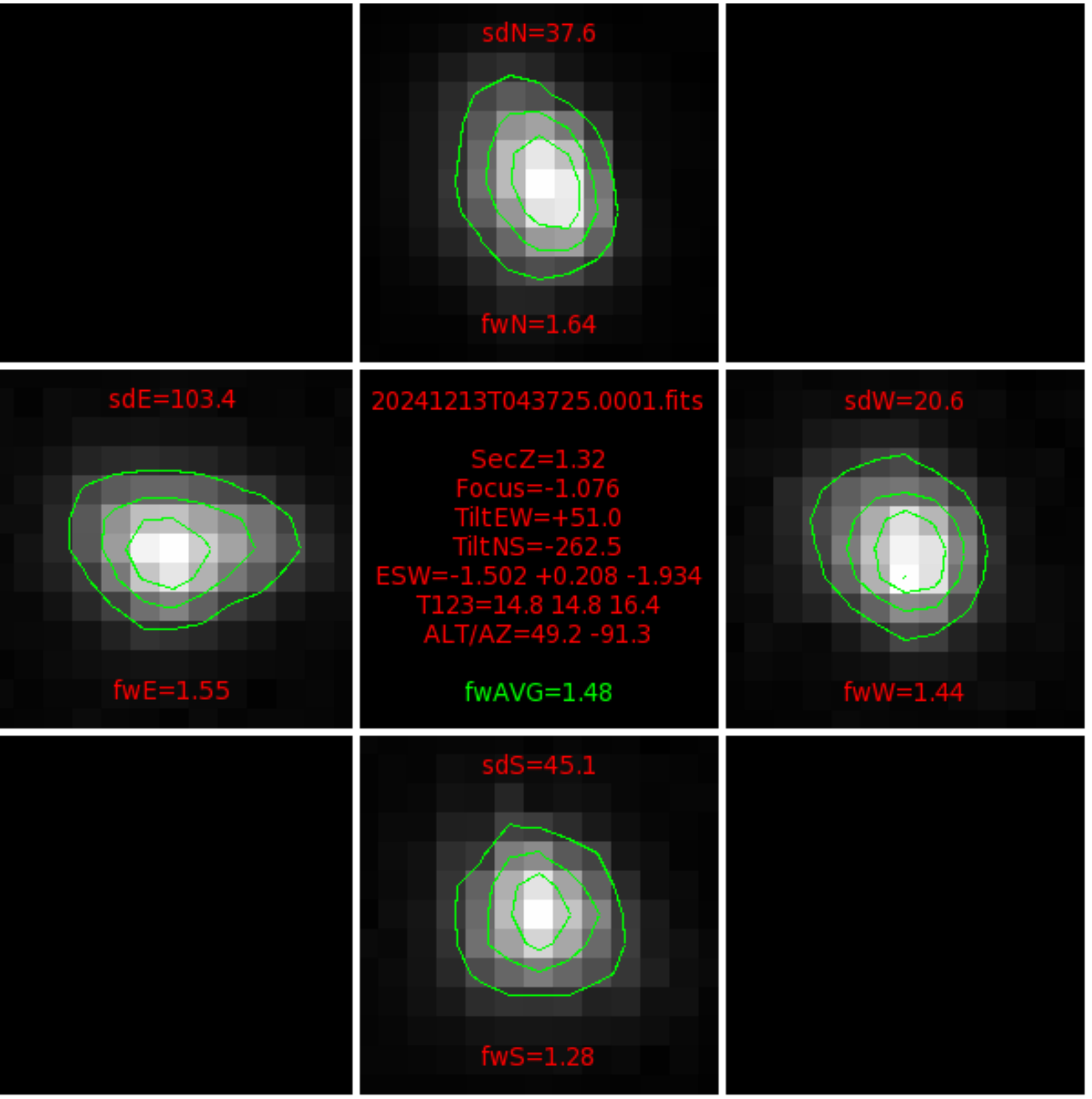
sdN=37.6
fwN=1.64
sdE=103.4
fwE=1.55
20241213T043725.0001.fits
SecZ=1.32
Focus=-1.076
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.502 +0.208 -1.934
T123=14.8 14.8 16.4
ALT/AZ=49.2 -91.3
fwAVG=1.48
sdW=20.6
fwW=1.44
sdS=45.1
fwS=1.28
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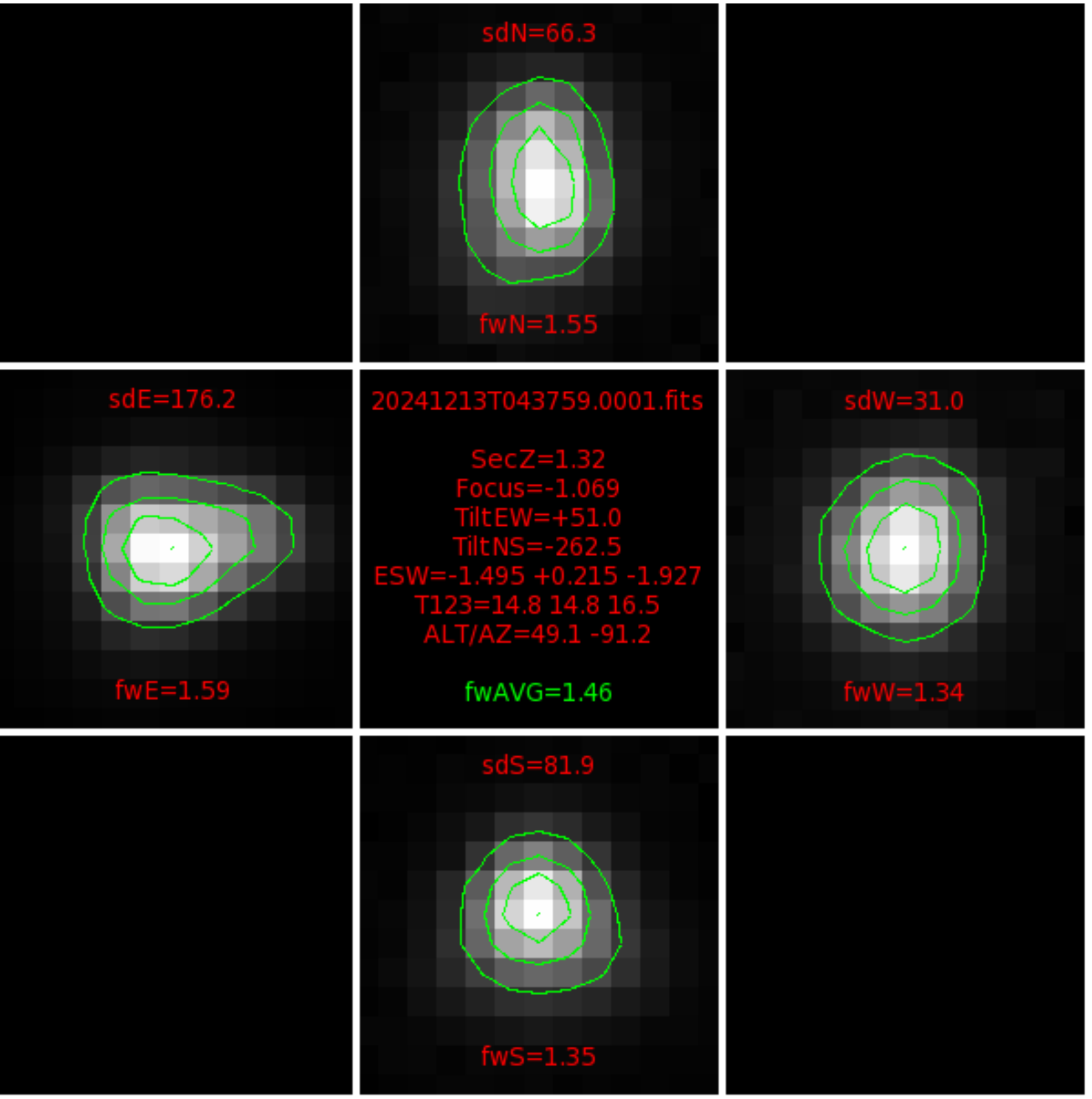
sdN=66.3
fwN=1.55
sdE=176.2
fwE=1.59
20241213T043759.0001.fits
SecZ=1.32
Focus=-1.069
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.495 +0.215 -1.927
T123=14.8 14.8 16.5
ALT/AZ=49.1 -91.2
fwAVG=1.46
sdW=31.0
fwW=1.34
sdS=81.9
fwS=1.35
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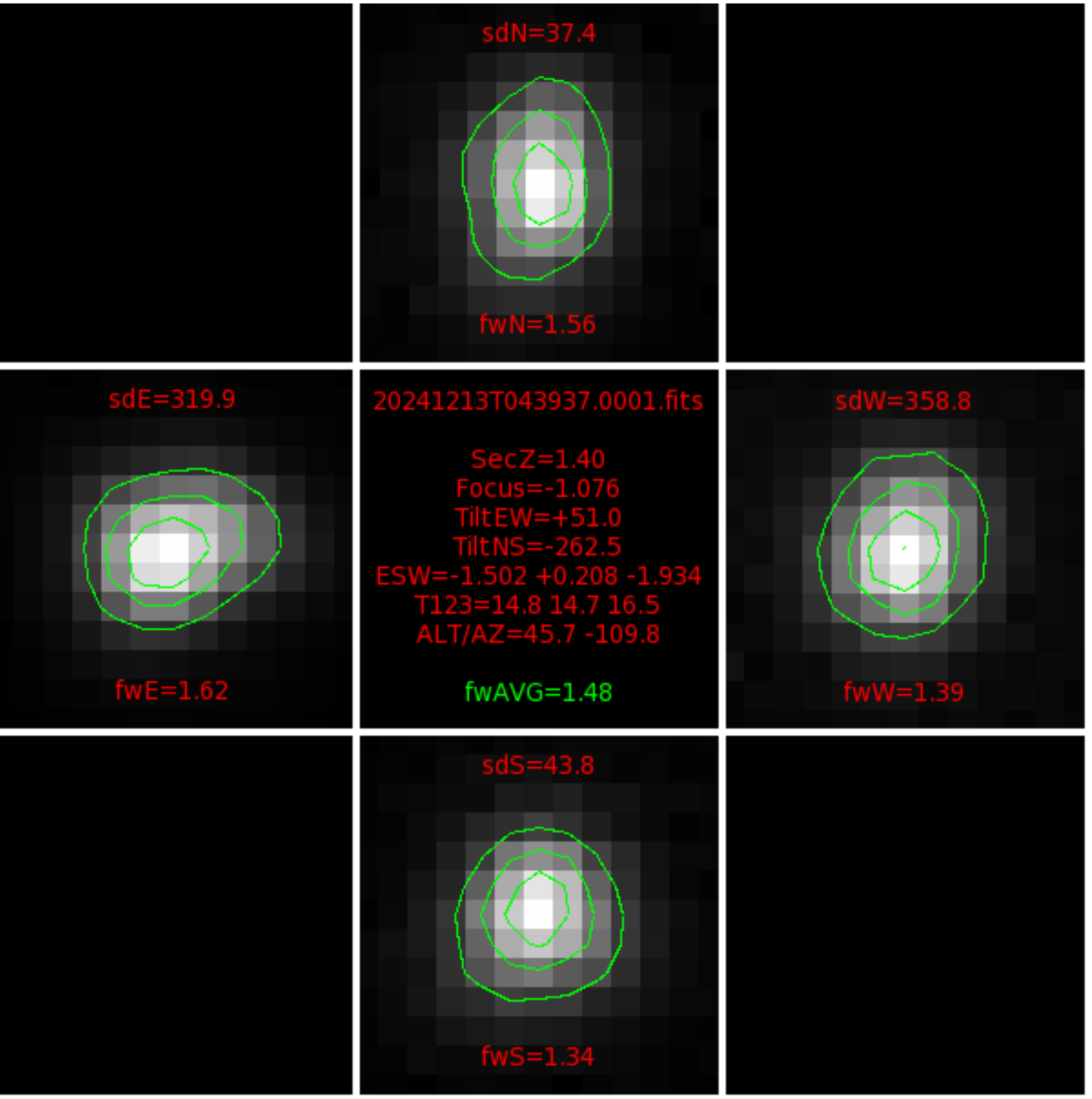
sdN=37.4
fwN=1.56
sdE=319.9
fwE=1.62
20241213T043937.0001.fits
SecZ=1.40
Focus=-1.076
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.502 +0.208 -1.934
T123=14.8 14.7 16.5
ALT/AZ=45.7 -109.8
fwAVG=1.48
sdW=358.8
fwW=1.39
sdS=43.8
fwS=1.34
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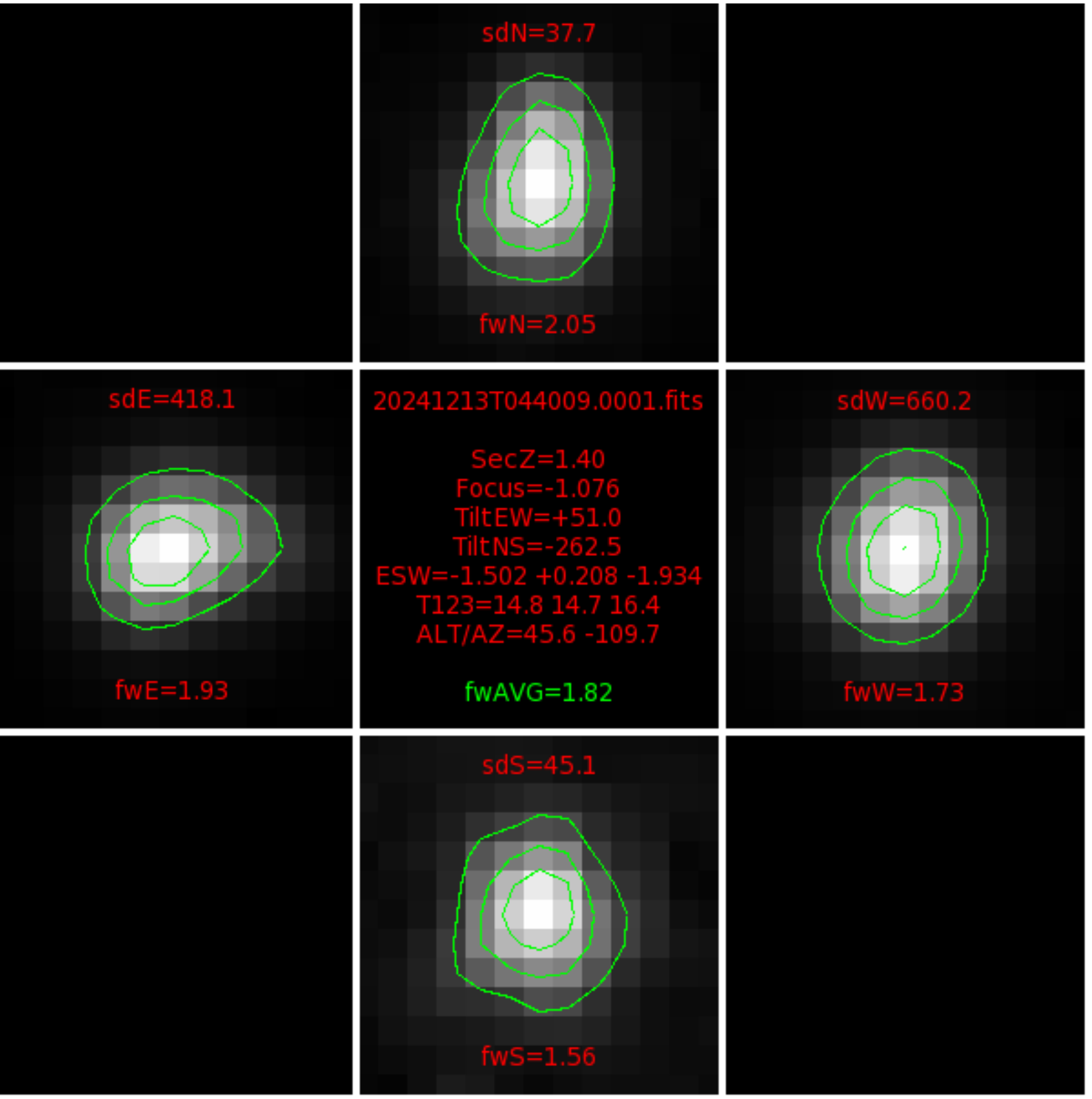
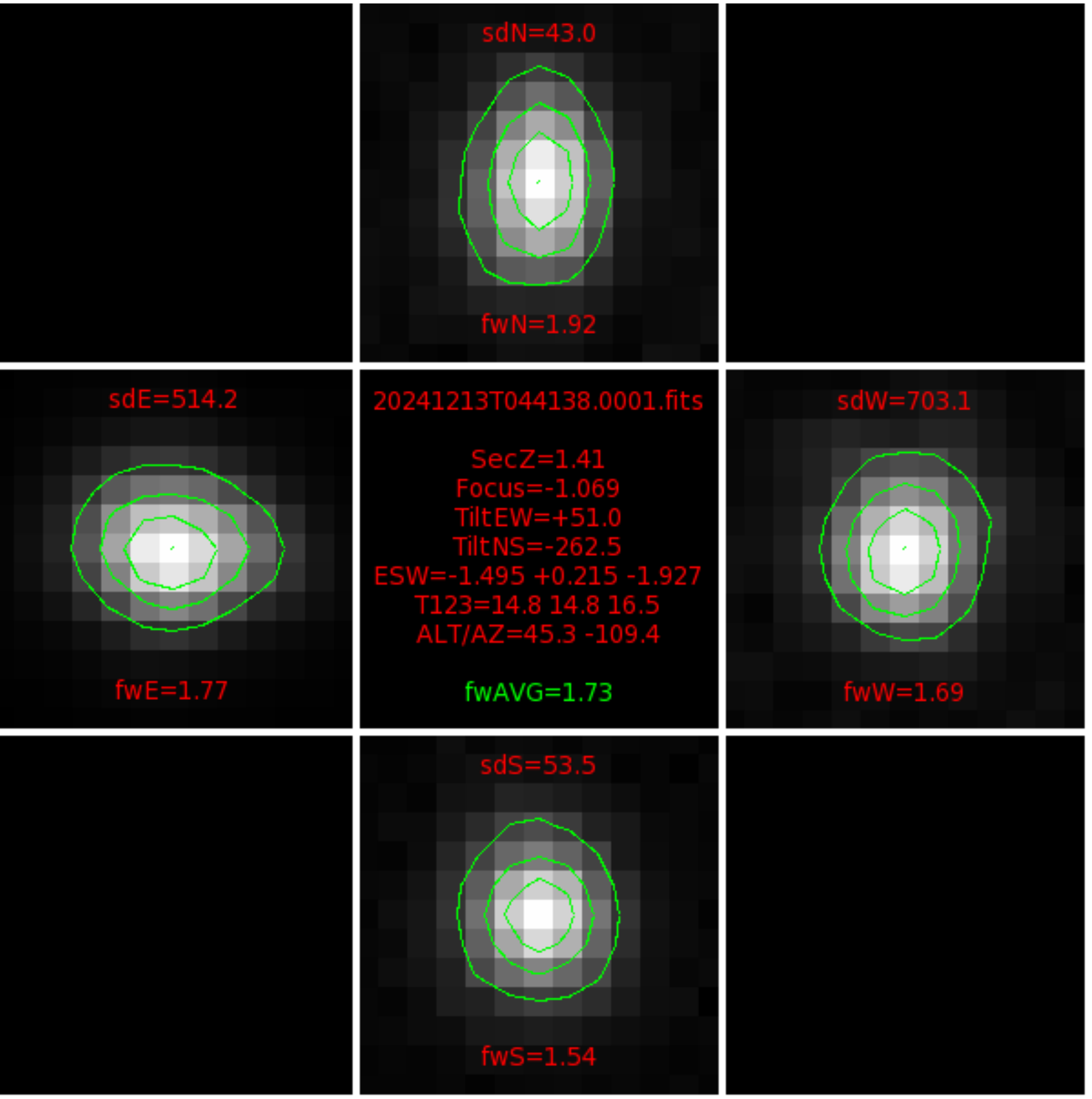

sdN=37.7
fwN=2.05
sdE=418.1
fwE=1.93
20241213T044009.0001.fits
SecZ=1.40
Focus=-1.076
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.502 +0.208 -1.934
T123=14.8 14.7 16.4
ALT/AZ=45.6 -109.7
fwAVG=1.82
sdW=660.2
fwW=1.73
sdS=45.1
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=43.0
fwN=1.92
sdE=514.2
fwE=1.77
20241213T044138.0001.fits
SecZ=1.41
Focus=-1.069
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.495 +0.215 -1.927
T123=14.8 14.8 16.5
ALT/AZ=45.3 -109.4
fwAVG=1.73
sdW=703.1
fwW=1.69
sdS=53.5
fwS=1.54
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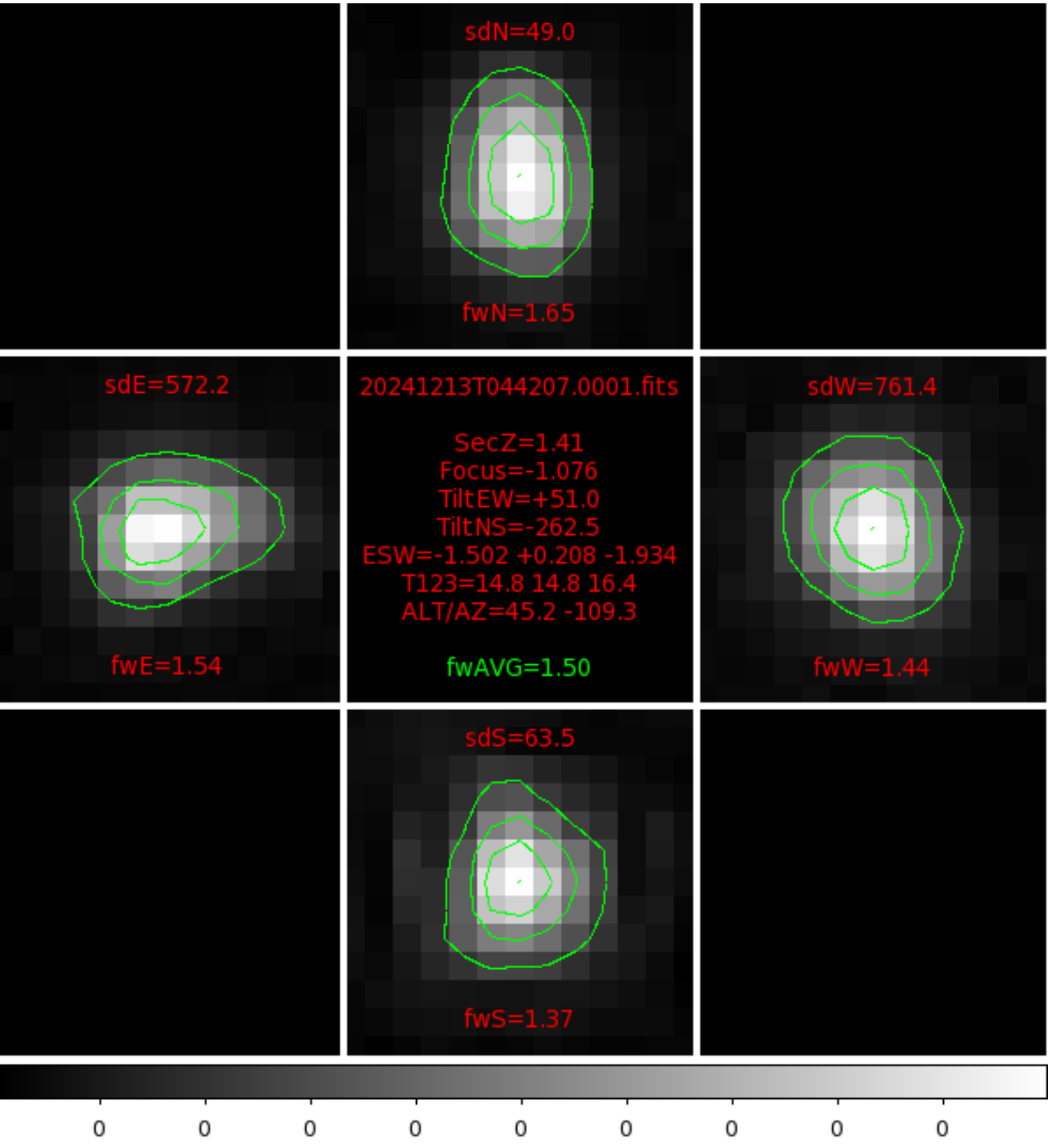
sdN=49.0
fwN=1.65
sdE=572.2
fwE=1.54
20241213T044207.0001.fits
SecZ=1.41
Focus=-1.076
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.502 +0.208 -1.934
T123=14.8 14.8 16.4
ALT/AZ=45.2 -109.3
fwAVG=1.50
sdW=761.4
fwW=1.44
sdS=63.5
fwS=1.37
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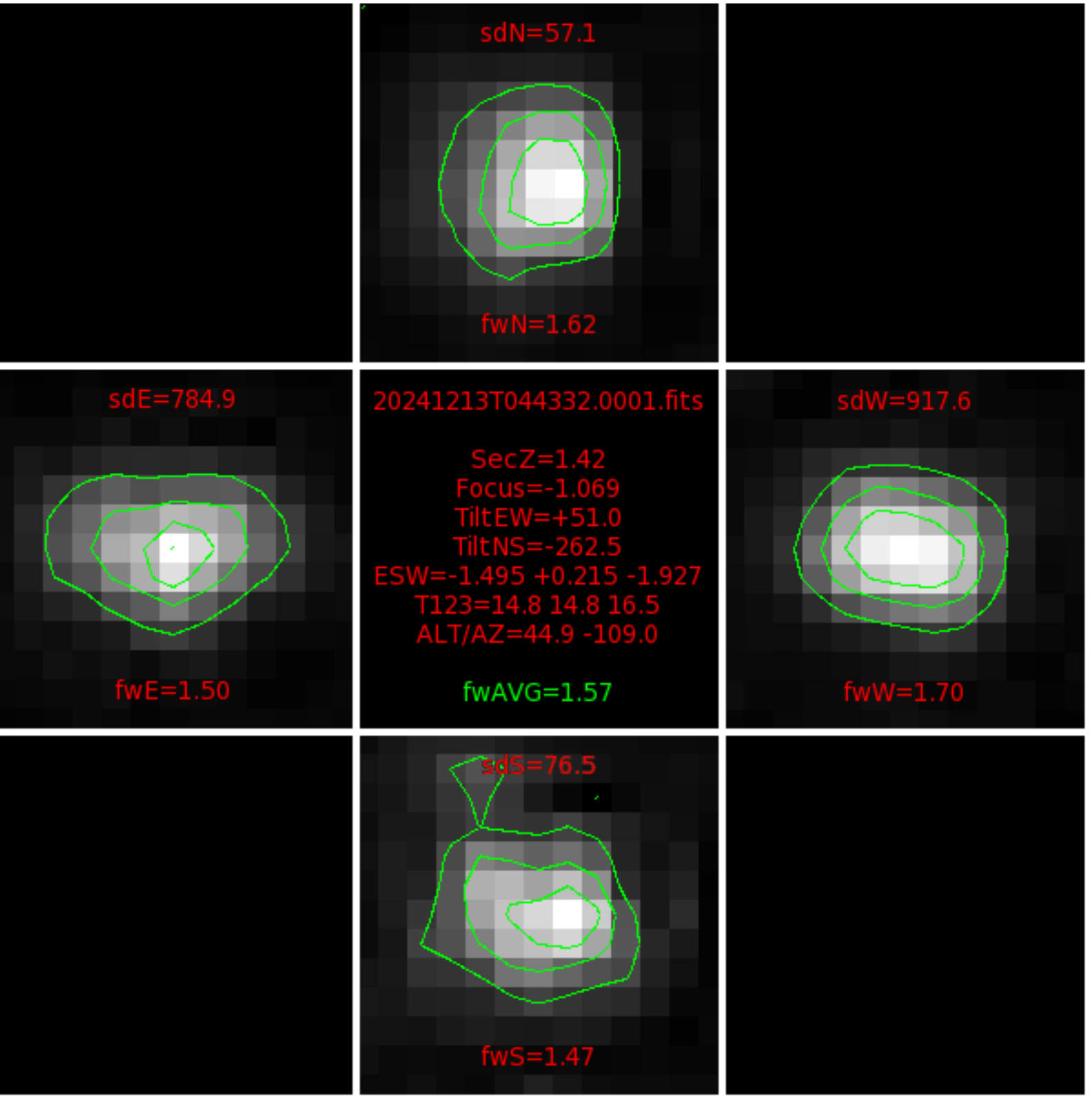
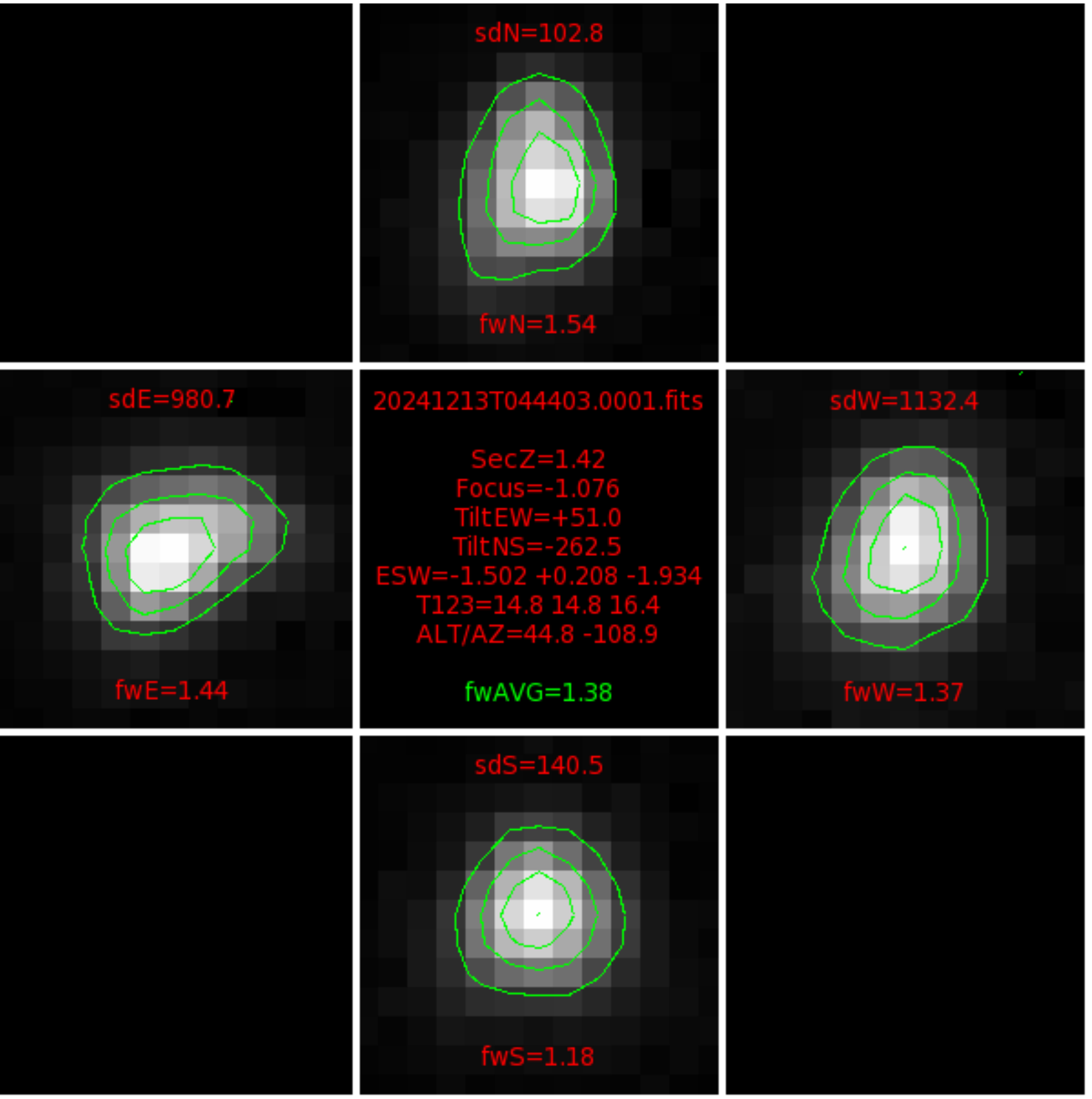

sdN=57.1
fwN=1.62
sdE=784.9
fwE=1.50
20241213T044332.0001.fits
SecZ=1.42
Focus=-1.069
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.495 +0.215 -1.927
T123=14.8 14.8 16.5
ALT/AZ=44.9 -109.0
fwAVG=1.57
sdW=917.6
fwW=1.70
sdS=76.5
fwS=1.47
0 0 0 0 0 0 0 0 0


sdN=102.8
fwN=1.54
sdE=980.7
fwE=1.44
20241213T044403.0001.fits
SecZ=1.42
Focus=-1.076
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.502 +0.208 -1.934
T123=14.8 14.8 16.4
ALT/AZ=44.8 -108.9
fwAVG=1.38
sdW=1132.4
fwW=1.37
sdS=140.5
fwS=1.18
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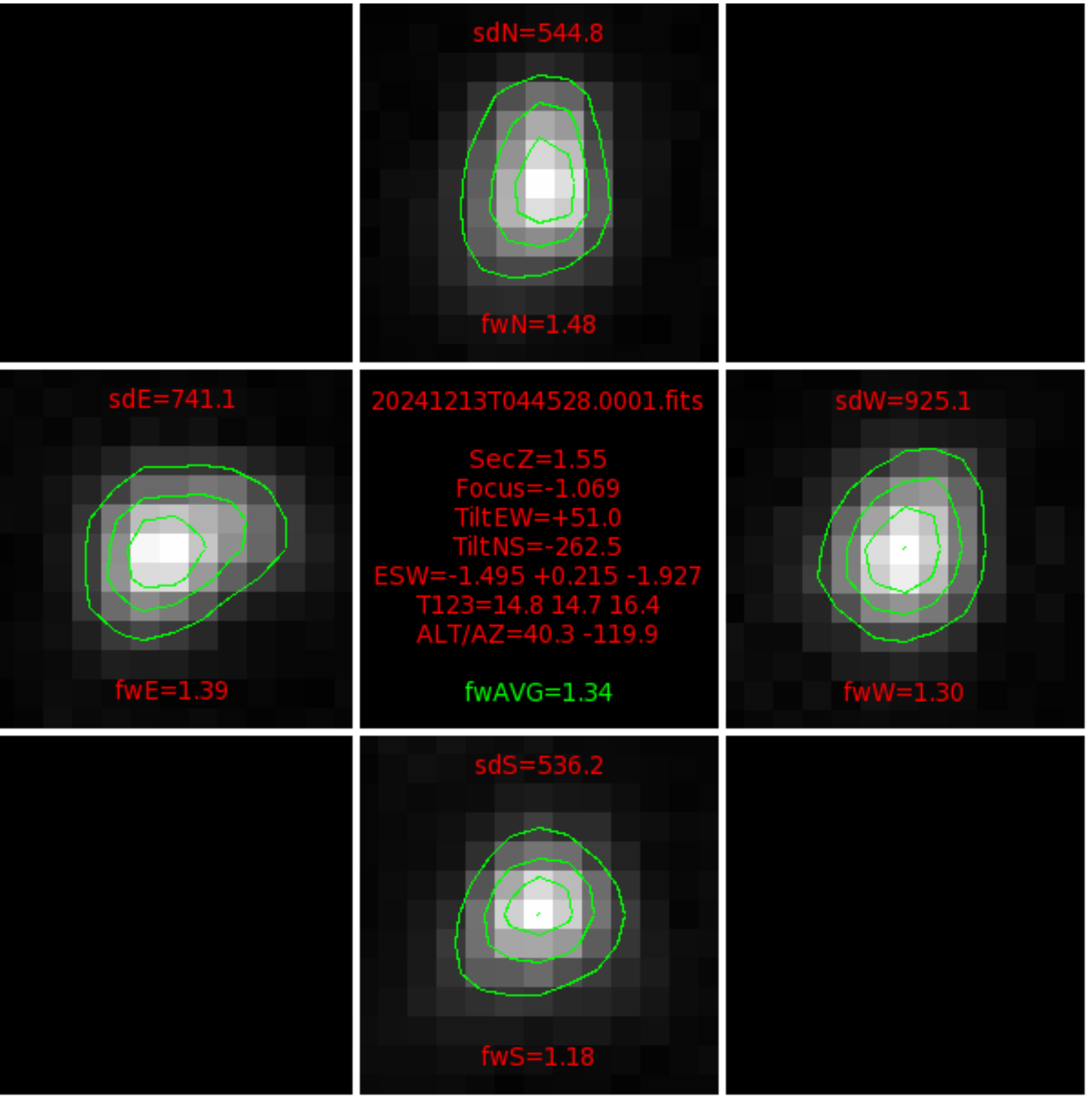
sdN=544.8
fwN=1.48
sdE=741.1
fwE=1.39
20241213T044528.0001.fits
SecZ=1.55
Focus=-1.069
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.495 +0.215 -1.927
T123=14.8 14.7 16.4
ALT/AZ=40.3 -119.9
fwAVG=1.34
sdW=925.1
fwW=1.30
sdS=536.2
fwS=1.18
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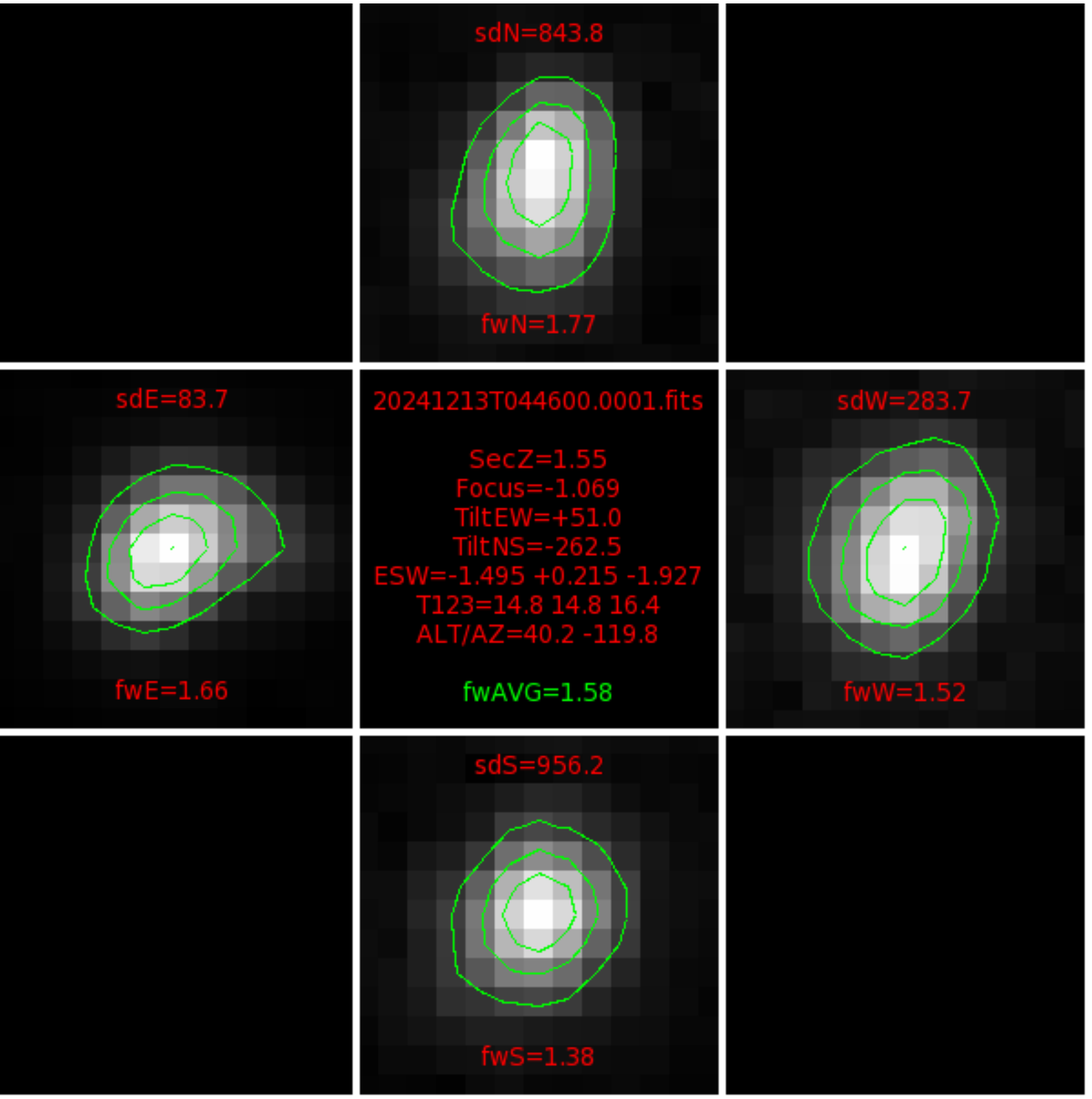
sdN=843.8
fwN=1.77
sdE=83.7
fwE=1.66
20241213T044600.0001.fits
SecZ=1.55
Focus=-1.069
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.495 +0.215 -1.927
T123=14.8 14.8 16.4
ALT/AZ=40.2 -119.8
fwAVG=1.58
sdW=283.7
fwW=1.52
sdS=956.2
fwS=1.38
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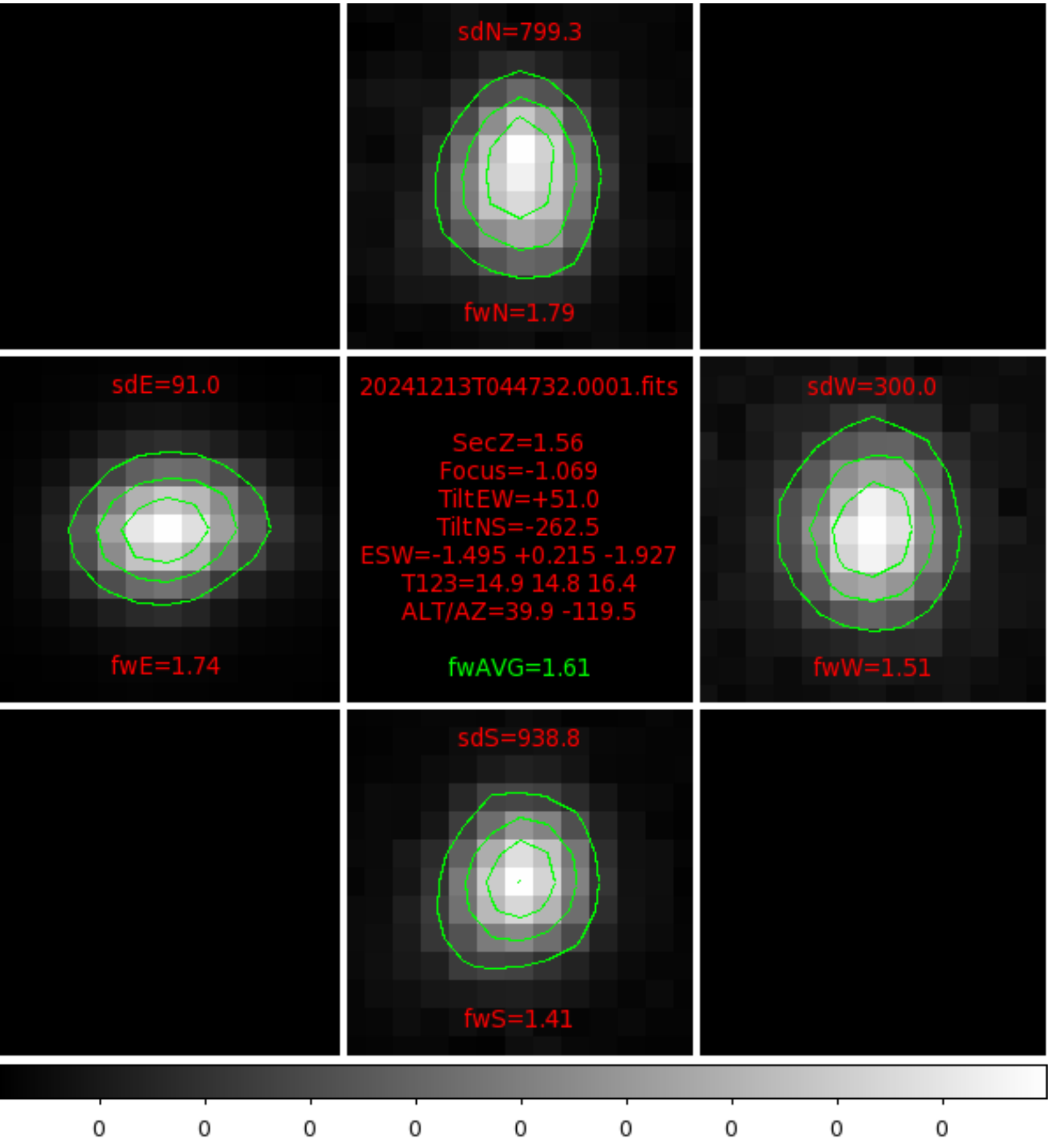
sdN=799.3
fwN=1.79
sdE=91.0
fwE=1.74
20241213T044732.0001.fits
SecZ=1.56
Focus=-1.069
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.495 +0.215 -1.927
T123=14.9 14.8 16.4
ALT/AZ=39.9 -119.5
fwAVG=1.61
sdW=300.0
fwW=1.51
sdS=938.8
fwS=1.41
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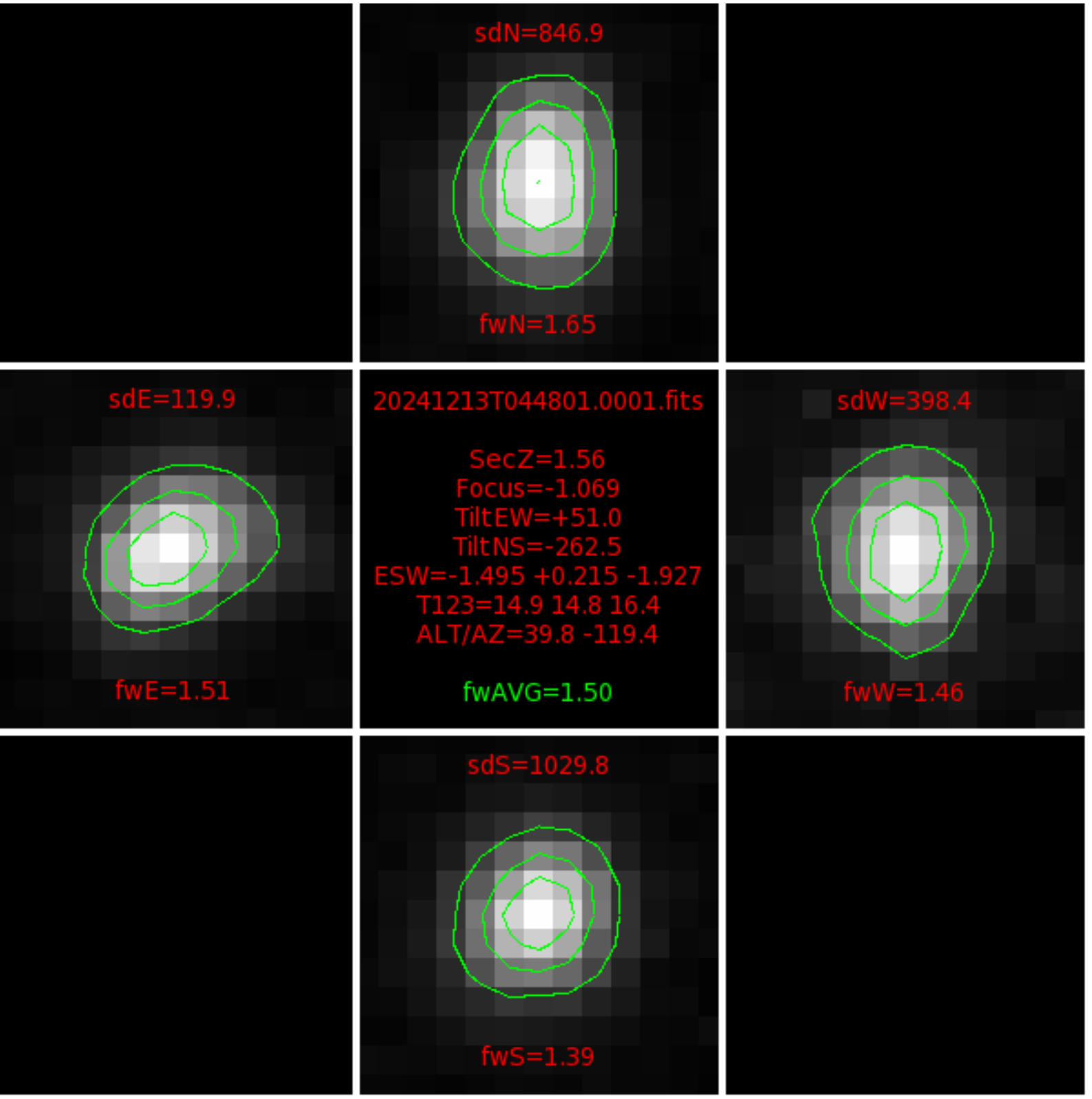
sdN=846.9
fwN=1.65
sdE=119.9
fwE=1.51
20241213T044801.0001.fits
SecZ=1.56
Focus=-1.069
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.495 +0.215 -1.927
T123=14.9 14.8 16.4
ALT/AZ=39.8 -119.4
fwAVG=1.50
sdW=398.4
fwW=1.46
sdS=1029.8
fwS=1.39
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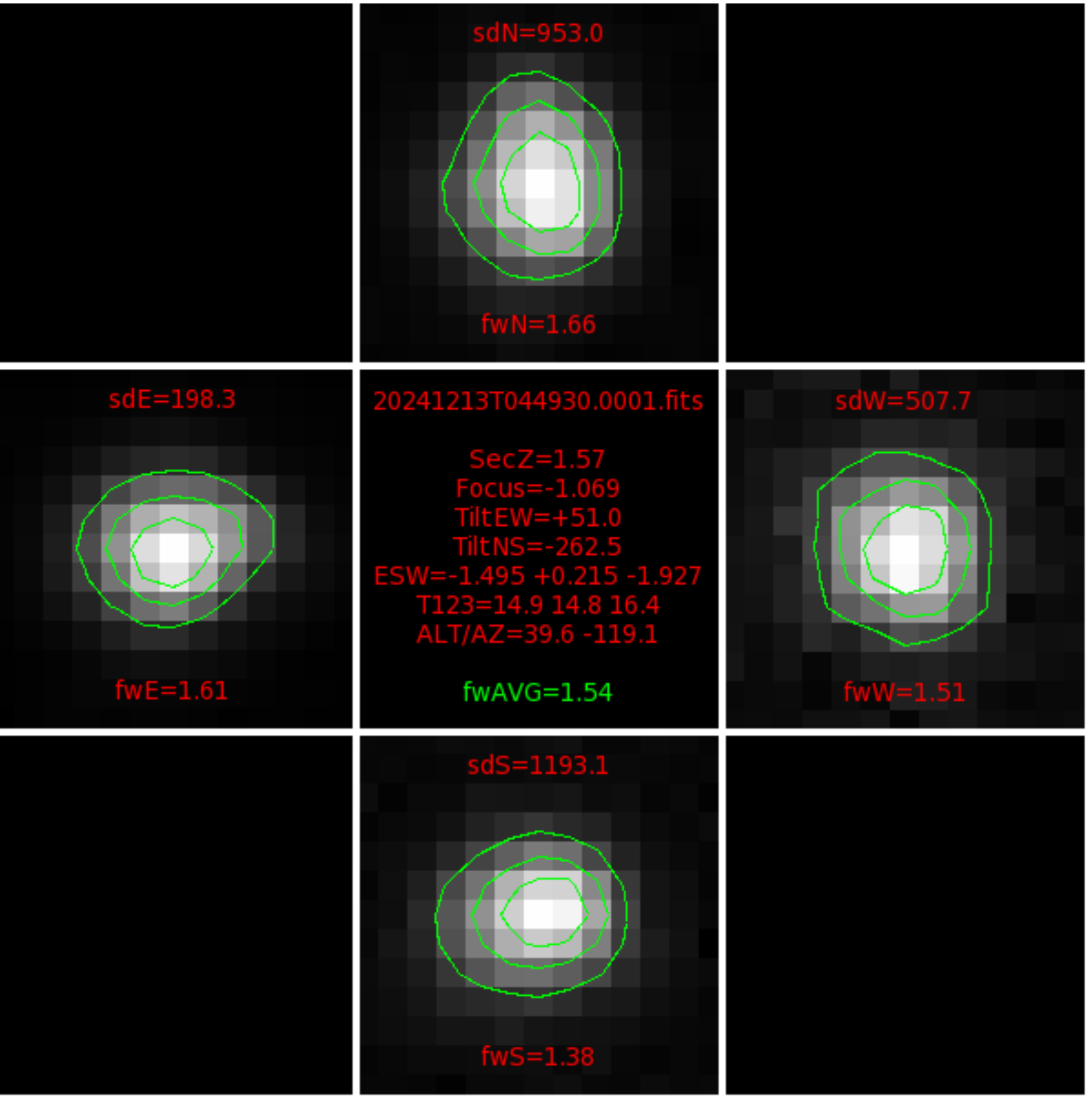
sdN=953.0
fwN=1.66
sdE=198.3
fwE=1.61
20241213T044930.0001.fits
SecZ=1.57
Focus=-1.069
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.495 +0.215 -1.927
T123=14.9 14.8 16.4
ALT/AZ=39.6 -119.1
fwAVG=1.54
sdW=507.7
fwW=1.51
sdS=1193.1
fwS=1.38
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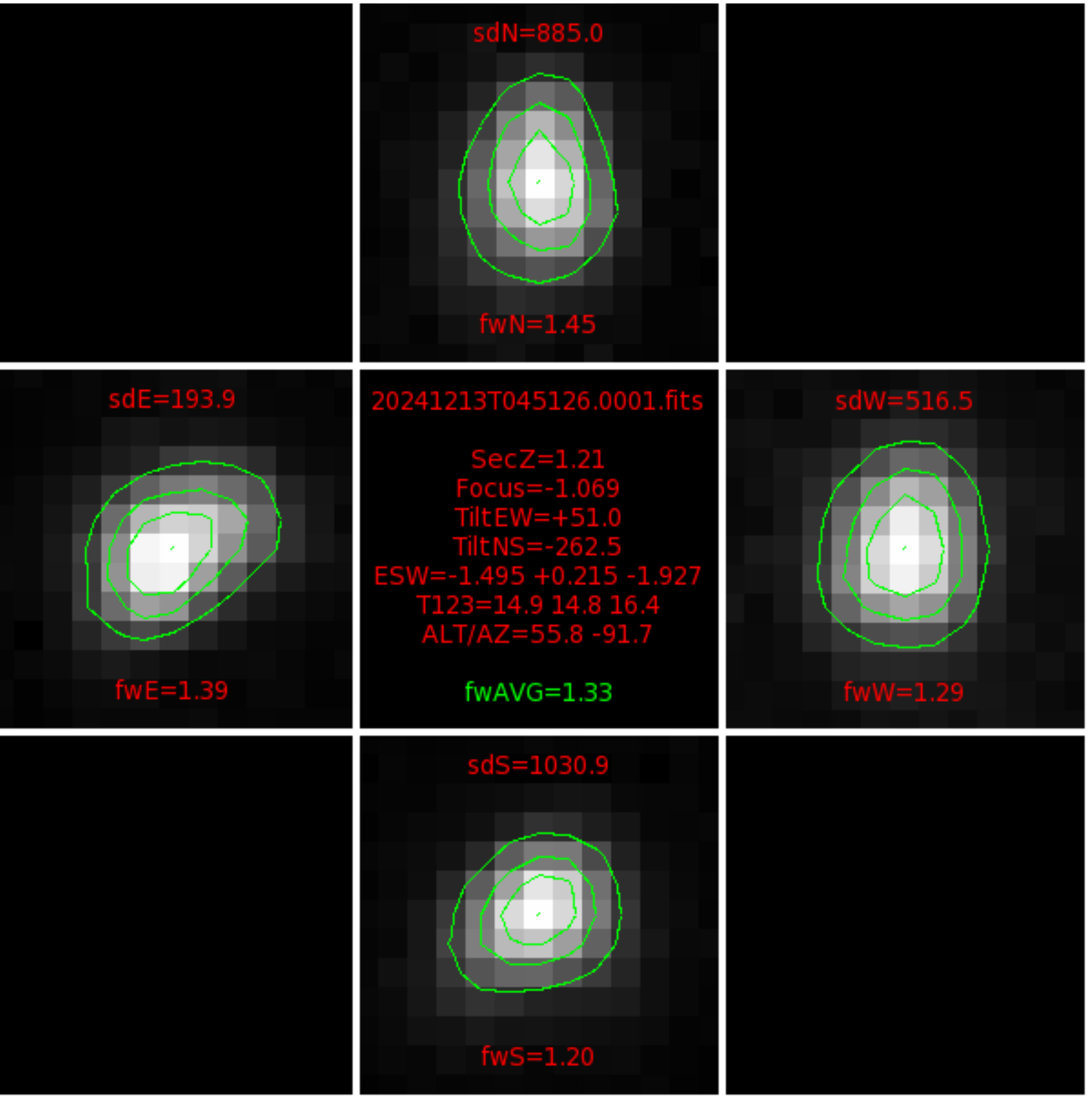
sdN=885.0
fwN=1.45
sdE=193.9
fwE=1.39
20241213T045126.0001.fits
SecZ=1.21
Focus=-1.069
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.495 +0.215 -1.927
T123=14.9 14.8 16.4
ALT/AZ=55.8 -91.7
fwAVG=1.33
sdW=516.5
fwW=1.29
sdS=1030.9
fwS=1.20
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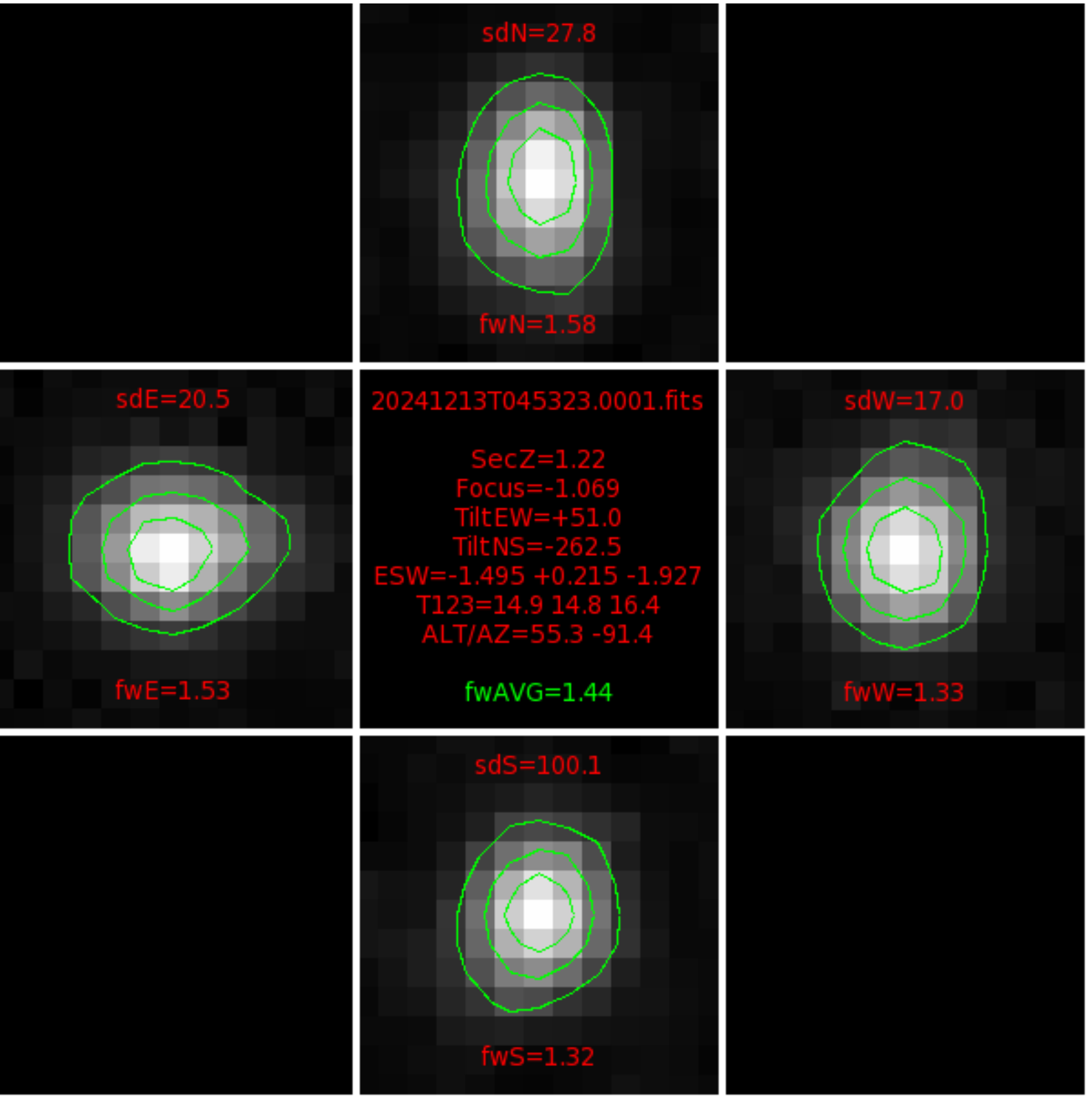
sdN=27.8
fwN=1.58
sdE=20.5
fwE=1.53
20241213T045323.0001.fits
SecZ=1.22
Focus=-1.069
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.495 +0.215 -1.927
T123=14.9 14.8 16.4
ALT/AZ=55.3 -91.4
fwAVG=1.44
sdW=17.0
fwW=1.33
sdS=100.1
fwS=1.32
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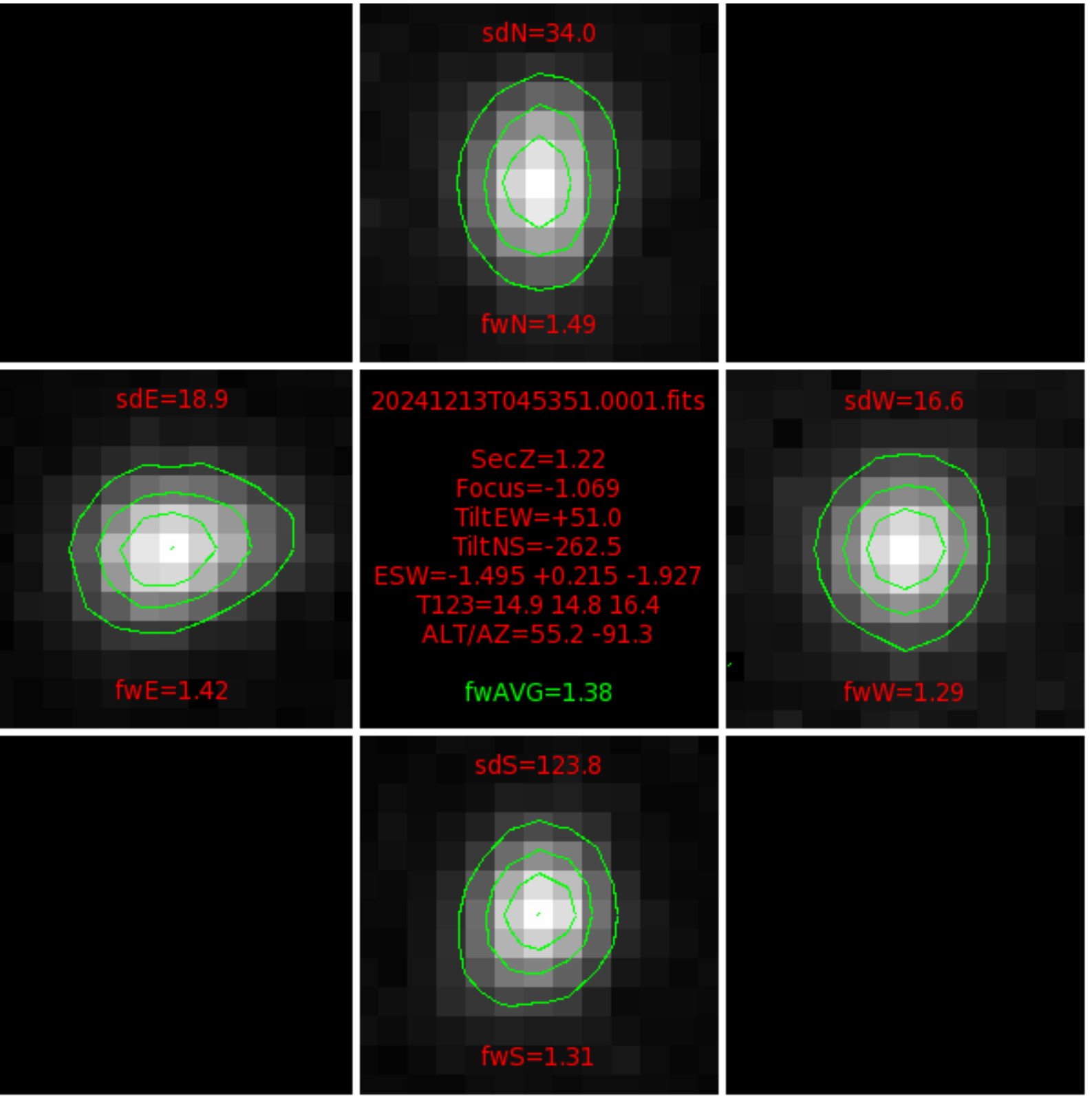
sdN=34.0
fwN=1.49
sdE=18.9
fwE=1.42
20241213T045351.0001.fits
SecZ=1.22
Focus=-1.069
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.495 +0.215 -1.927
T123=14.9 14.8 16.4
ALT/AZ=55.2 -91.3
fwAVG=1.38
sdW=16.6
fwW=1.29
sdS=123.8
fwS=1.31
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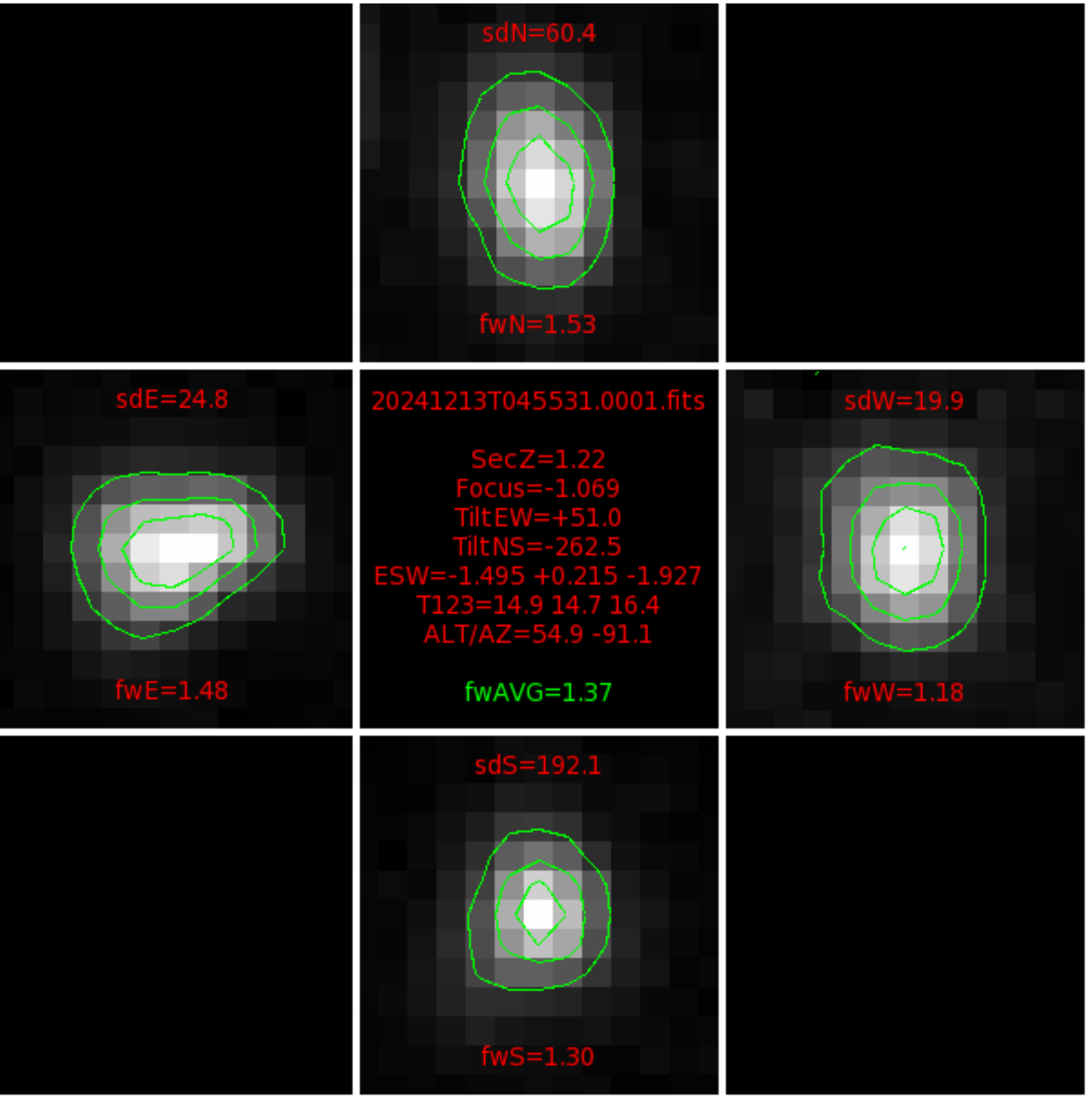
sdN=60.4
fwN=1.53
sdE=24.8
fwE=1.48
20241213T045531.0001.fits
SecZ=1.22
Focus=-1.069
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.495 +0.215 -1.927
T123=14.9 14.7 16.4
ALT/AZ=54.9 -91.1
fwAVG=1.37
sdW=19.9
fwW=1.18
sdS=192.1
fwS=1.30
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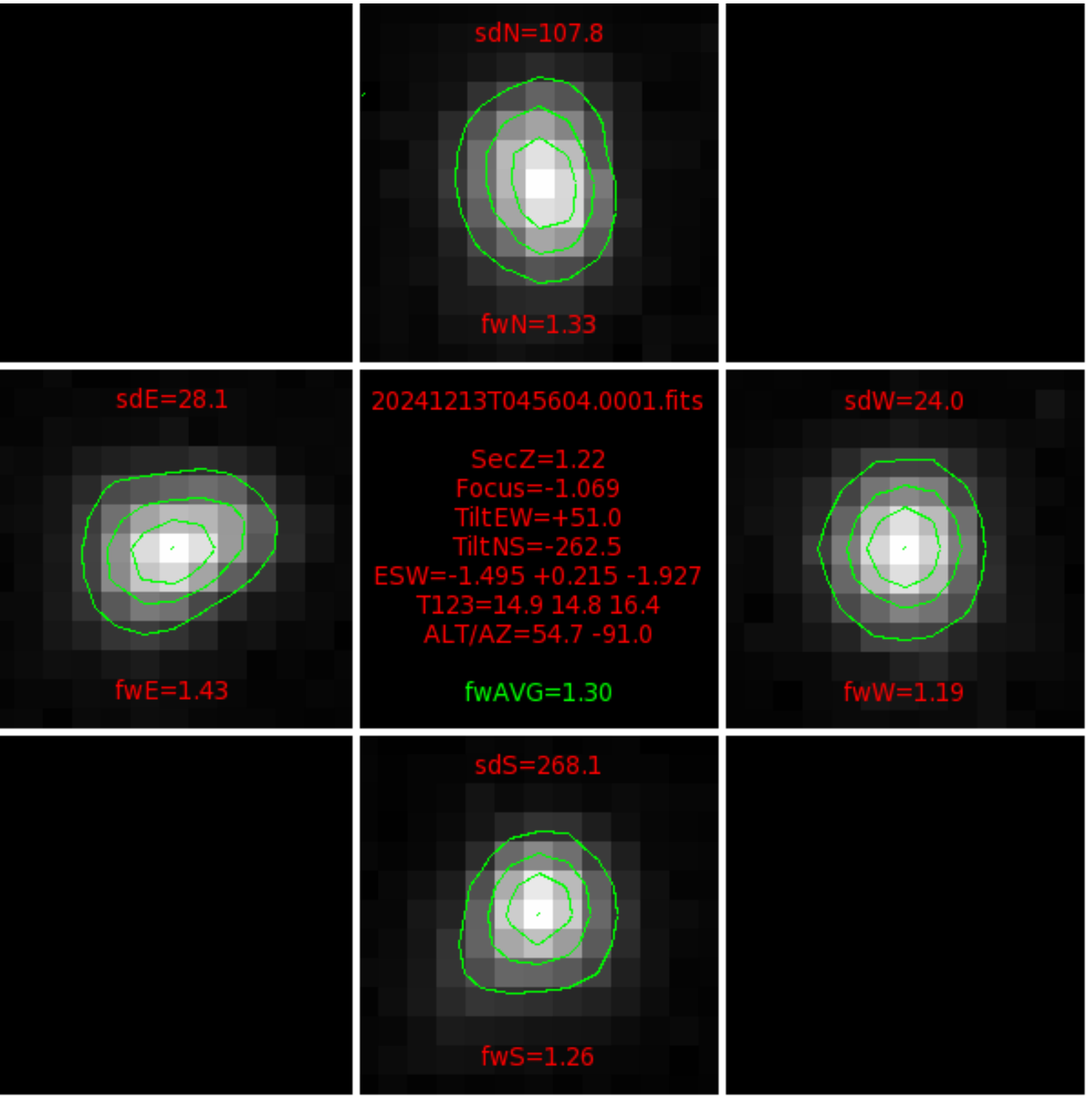
sdN=107.8
fwN=1.33
sdE=28.1
fwE=1.43
20241213T045604.0001.fits
SecZ=1.22
Focus=-1.069
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.495 +0.215 -1.927
T123=14.9 14.8 16.4
ALT/AZ=54.7 -91.0
fwAVG=1.30
sdW=24.0
fwW=1.19
sdS=268.1
fwS=1.26
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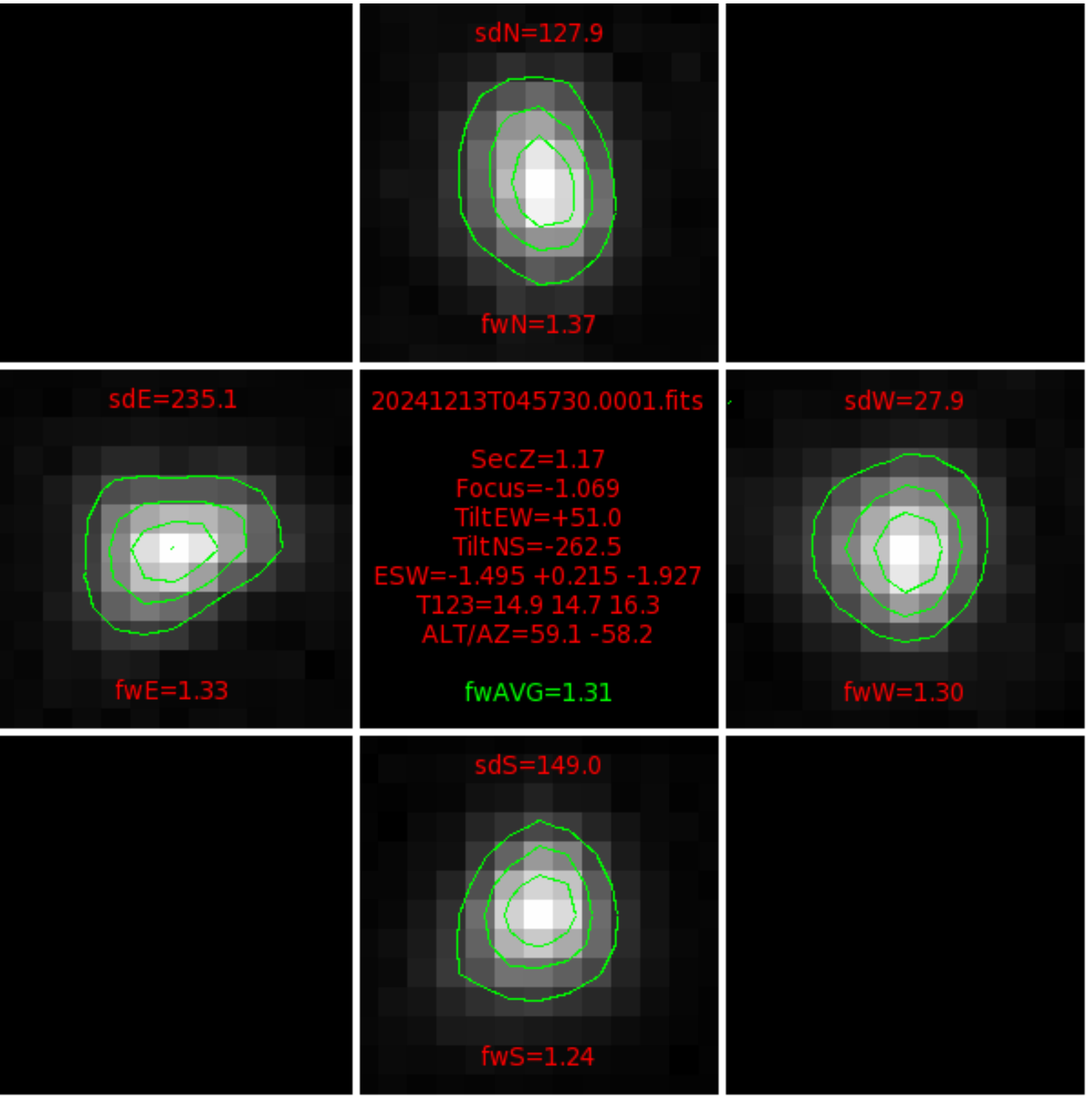
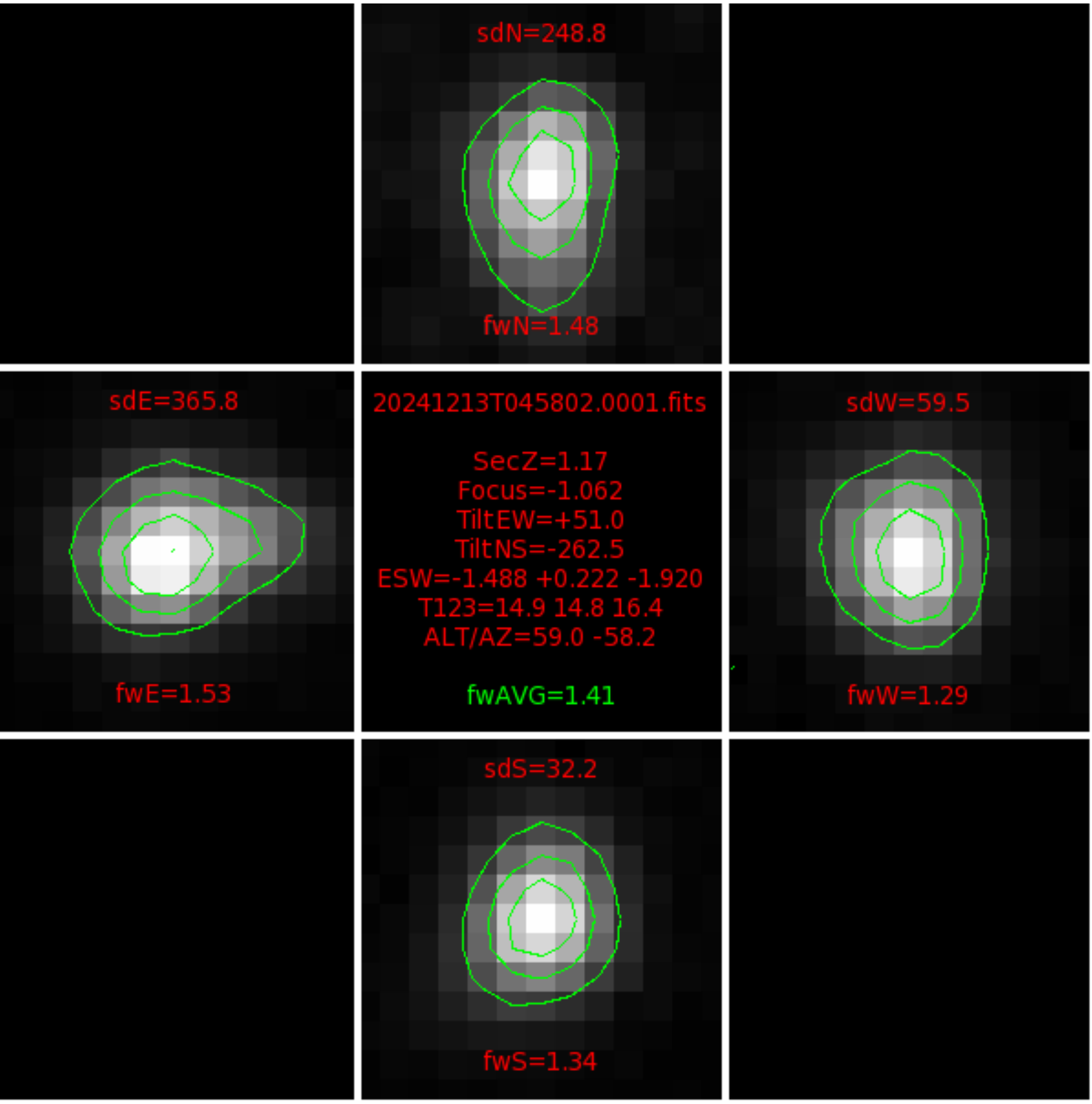

sdN=127.9
fwN=1.37
sdE=235.1
fwE=1.33
20241213T045730.0001.fits
SecZ=1.17
Focus=-1.069
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.495 +0.215 -1.927
T123=14.9 14.7 16.3
ALT/AZ=59.1 -58.2
fwAVG=1.31
sdW=27.9
fwW=1.30
sdS=149.0
fwS=1.24
0 0 0 0 0 0 0 0 0


sdN=248.8
fwN=1.48
sdE=365.8
fwE=1.53
20241213T045802.0001.fits
SecZ=1.17
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.9 14.8 16.4
ALT/AZ=59.0 -58.2
fwAVG=1.41
sdW=59.5
fwW=1.29
sdS=32.2
fwS=1.34
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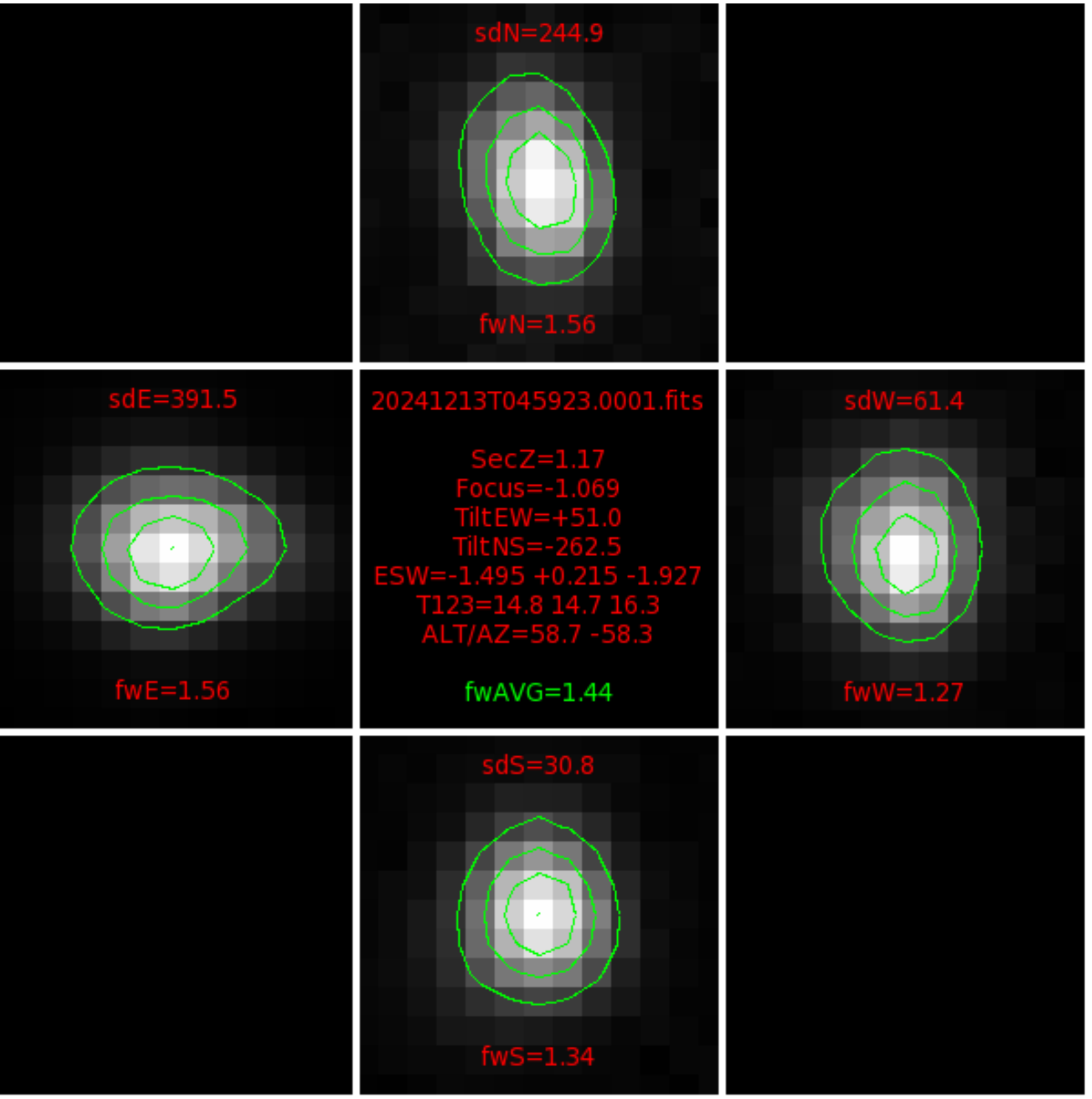
sdN=244.9
fwN=1.56
sdE=391.5
fwE=1.56
20241213T045923.0001.fits
SecZ=1.17
Focus=-1.069
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.495 +0.215 -1.927
T123=14.8 14.7 16.3
ALT/AZ=58.7 -58.3
fwAVG=1.44
sdW=61.4
fwW=1.27
sdS=30.8
fwS=1.34
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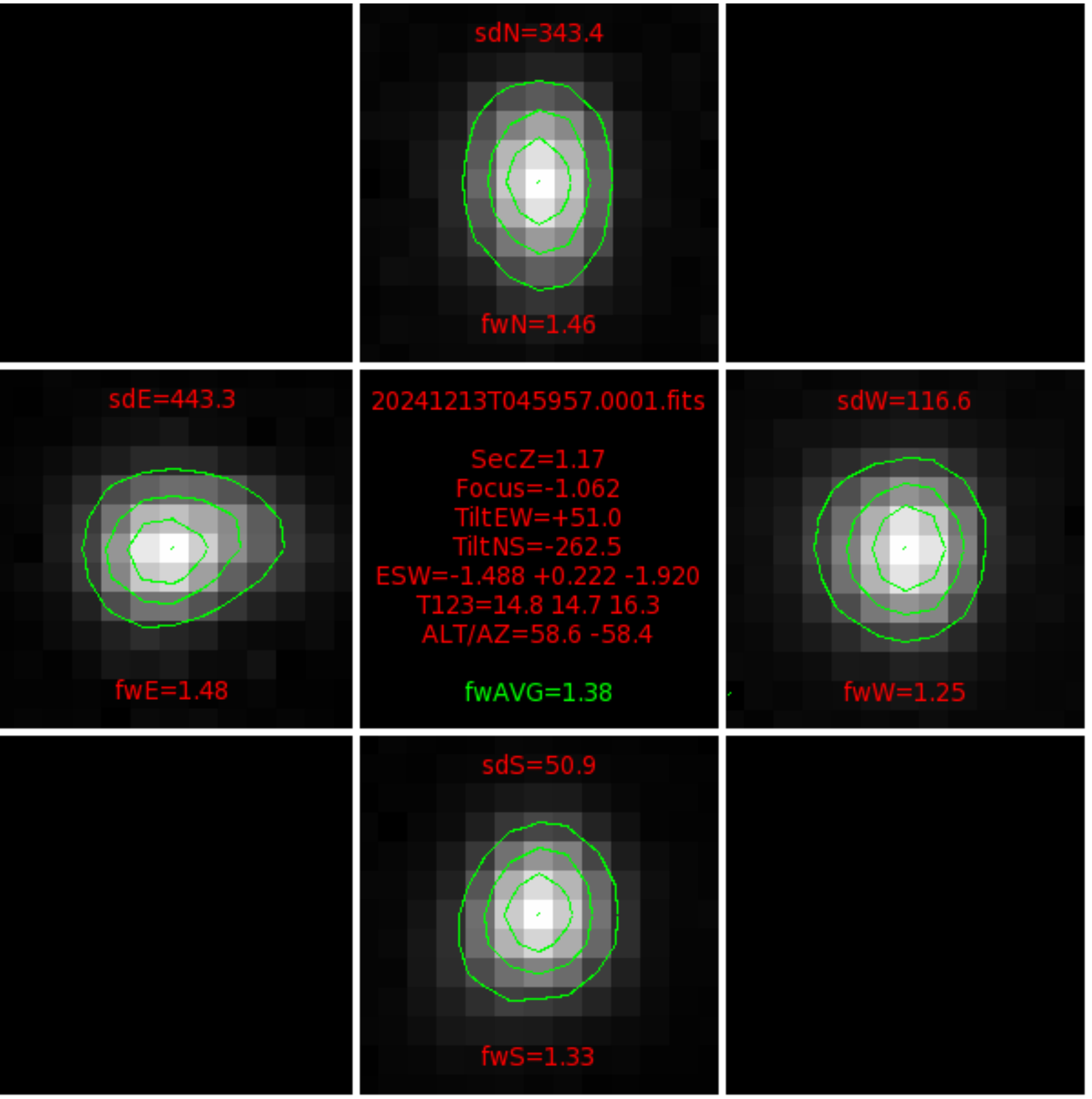
sdN=343.4
fwN=1.46
sdE=443.3
fwE=1.48
20241213T045957.0001.fits
SecZ=1.17
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.8 14.7 16.3
ALT/AZ=58.6 -58.4
fwAVG=1.38
sdW=116.6
fwW=1.25
sdS=50.9
fwS=1.33
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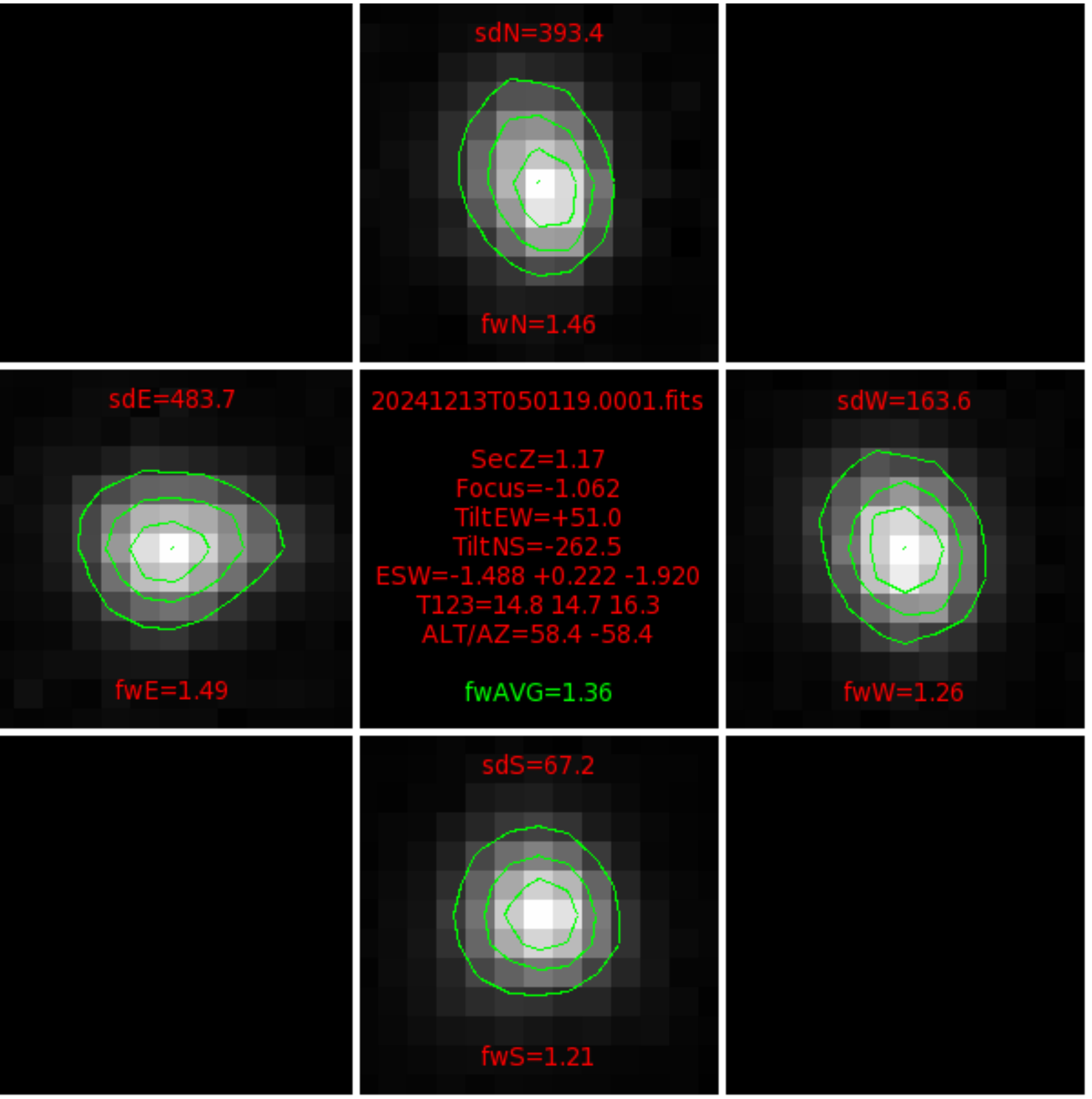
sdN=393.4
fwN=1.46
sdE=483.7
fwE=1.49
20241213T050119.0001.fits
SecZ=1.17
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.8 14.7 16.3
ALT/AZ=58.4 -58.4
fwAVG=1.36
sdW=163.6
fwW=1.26
sdS=67.2
fwS=1.21
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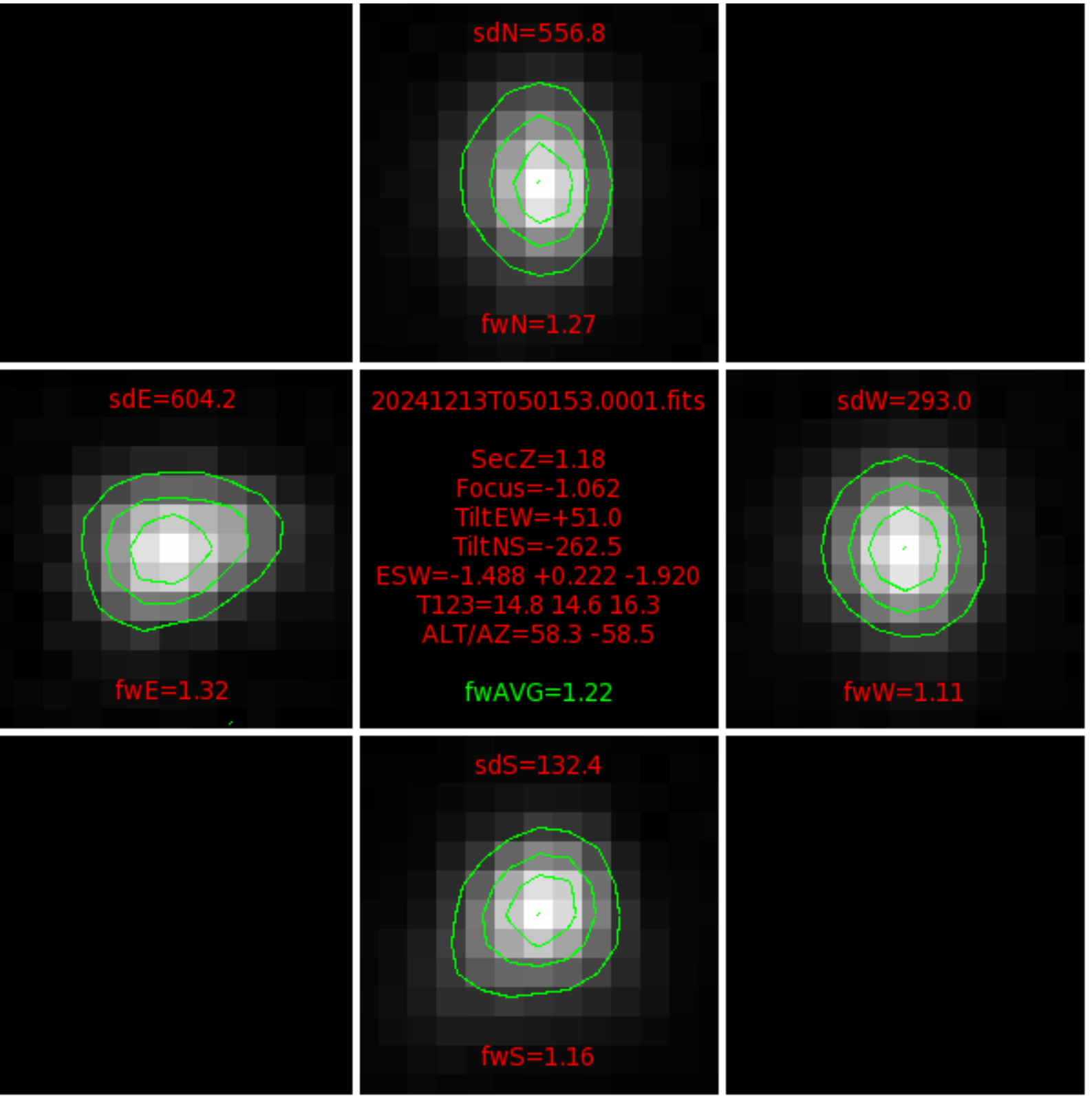
sdN=556.8
fwN=1.27
sdE=604.2
fwE=1.32
20241213T050153.0001.fits
SecZ=1.18
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.8 14.6 16.3
ALT/AZ=58.3 -58.5
fwAVG=1.22
sdW=293.0
fwW=1.11
sdS=132.4
fwS=1.16
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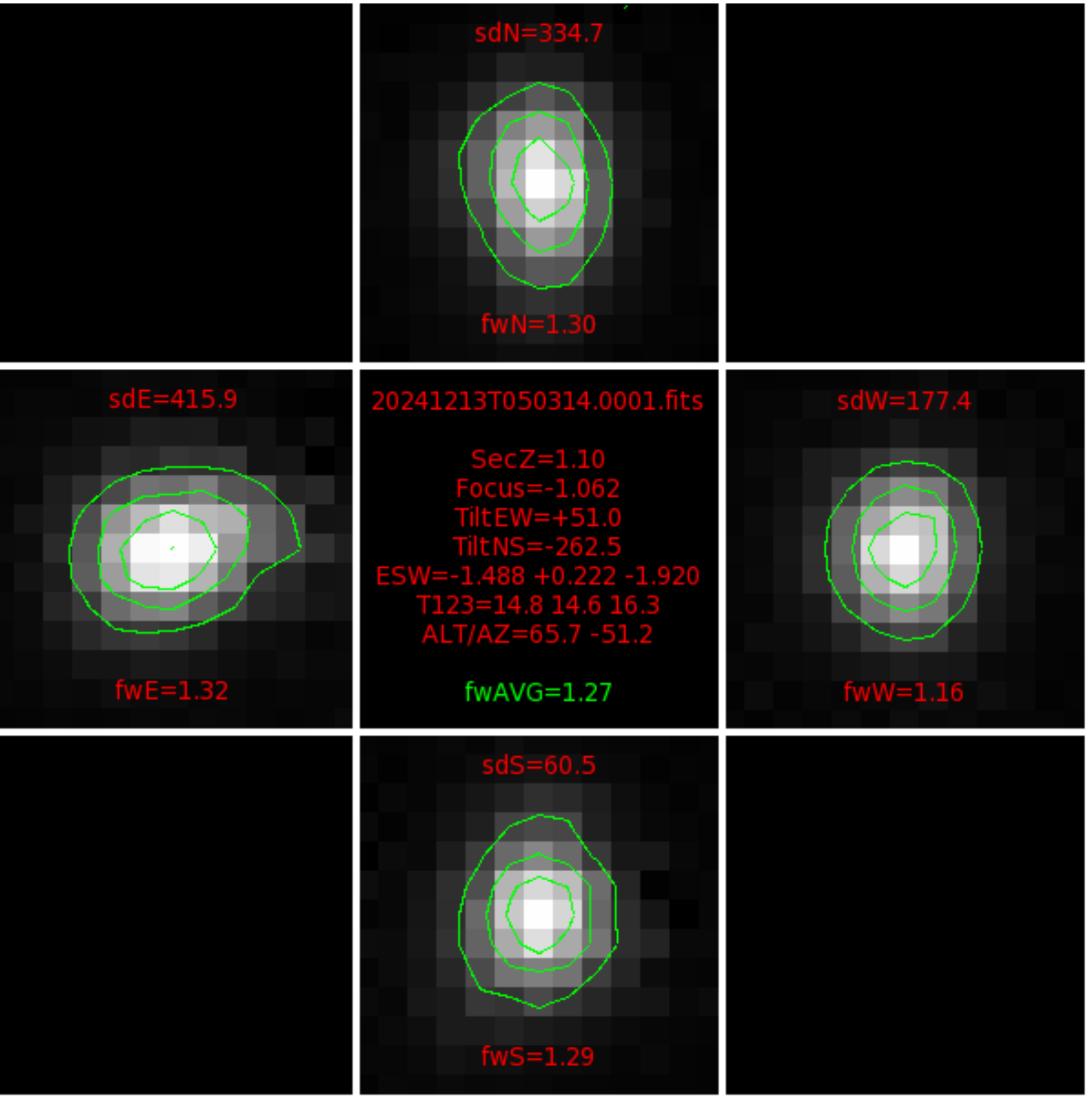
sdN=334.7
fwN=1.30
sdE=415.9
fwE=1.32
20241213T050314.0001.fits
SecZ=1.10
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.8 14.6 16.3
ALT/AZ=65.7 -51.2
fwAVG=1.27
sdW=177.4
fwW=1.16
sdS=60.5
fwS=1.29
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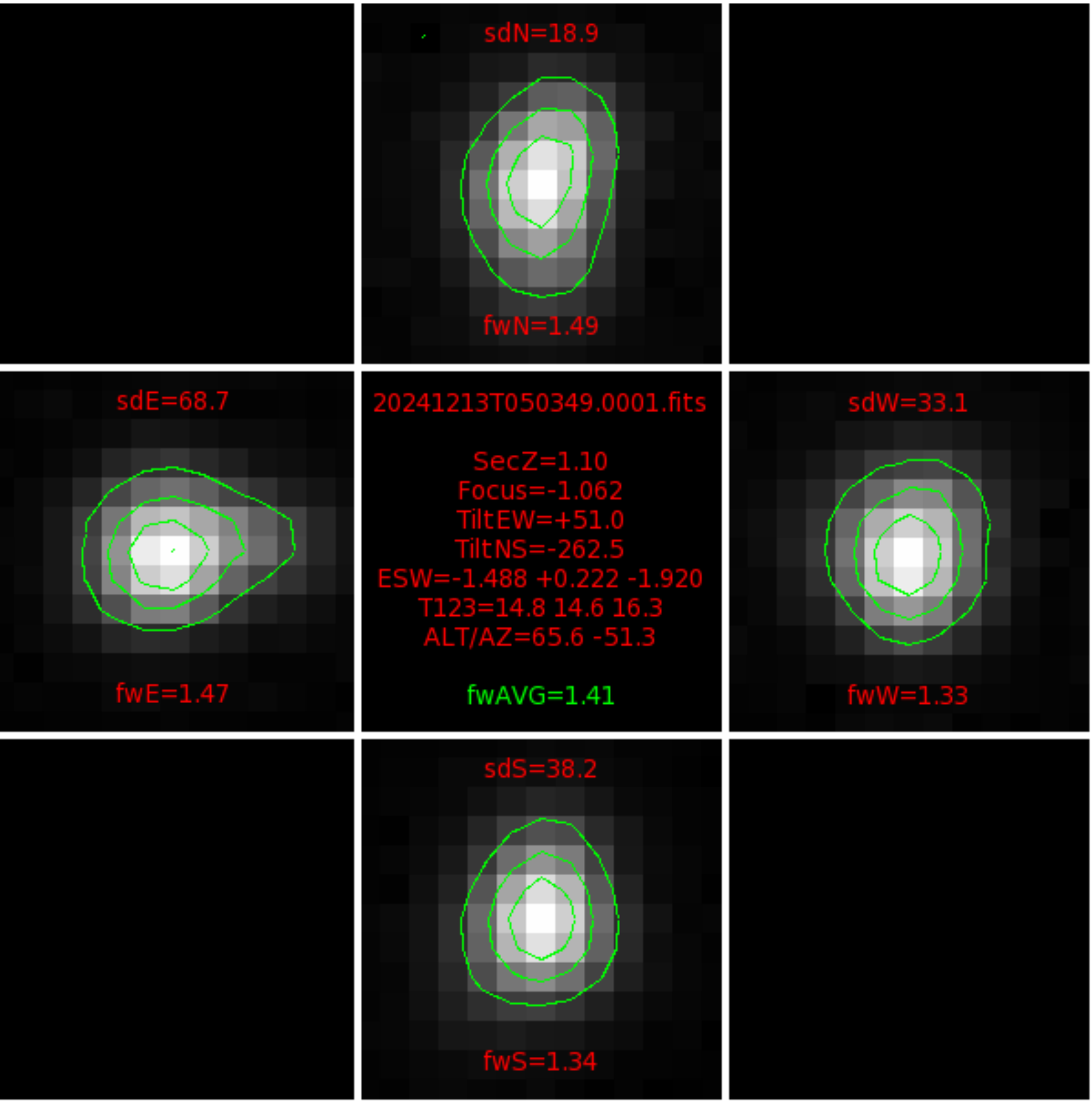
sdN=18.9
fwN=1.49
sdE=68.7
fwE=1.47
20241213T050349.0001.fits
SecZ=1.10
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.8 14.6 16.3
ALT/AZ=65.6 -51.3
fwAVG=1.41
sdW=33.1
fwW=1.33
sdS=38.2
fwS=1.34
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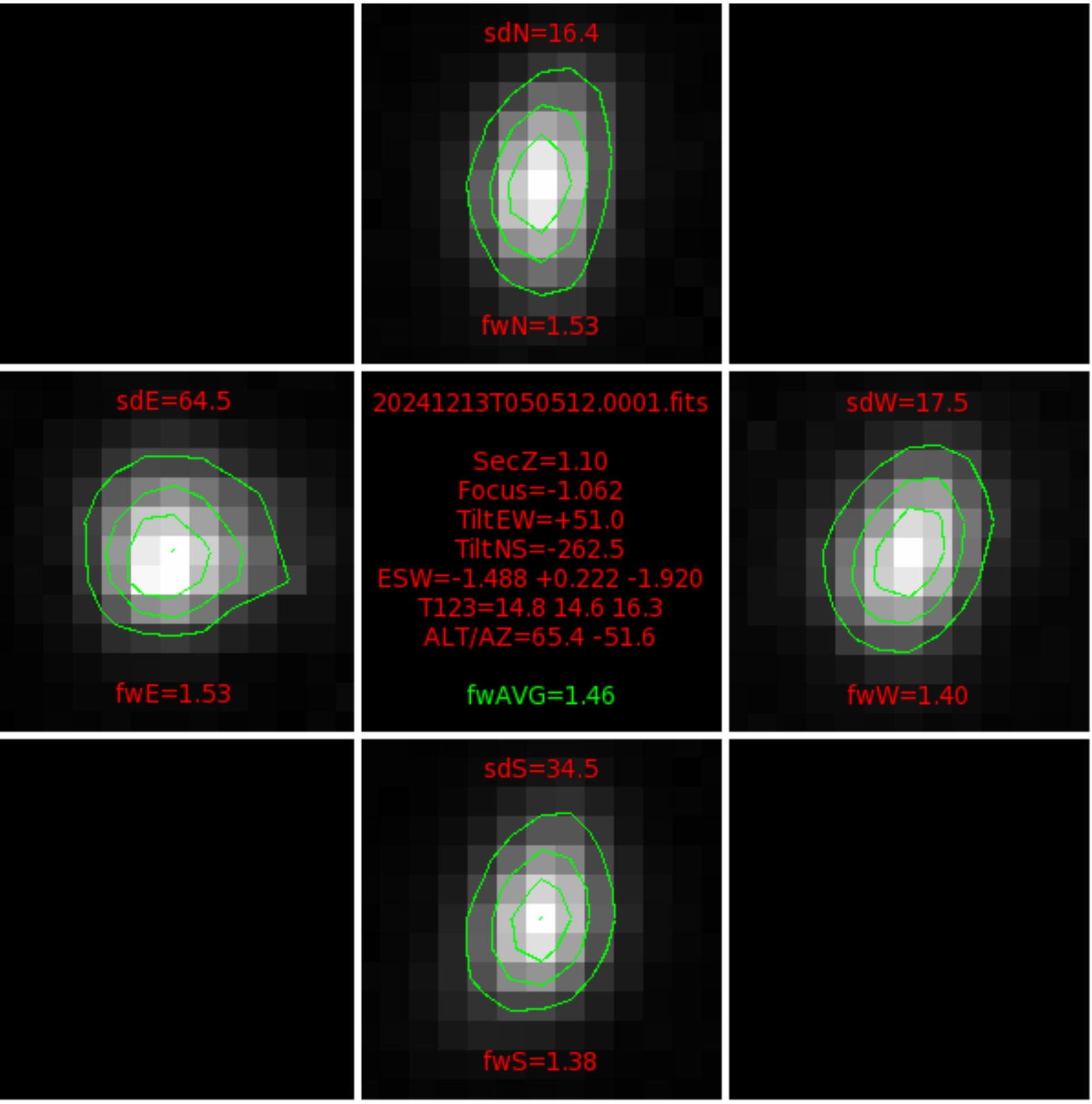
sdN=16.4
fwN=1.53
sdE=64.5
fwE=1.53
20241213T050512.0001.fits
SecZ=1.10
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.8 14.6 16.3
ALT/AZ=65.4 -51.6
fwAVG=1.46
sdW=17.5
fwW=1.40
sdS=34.5
fwS=1.38
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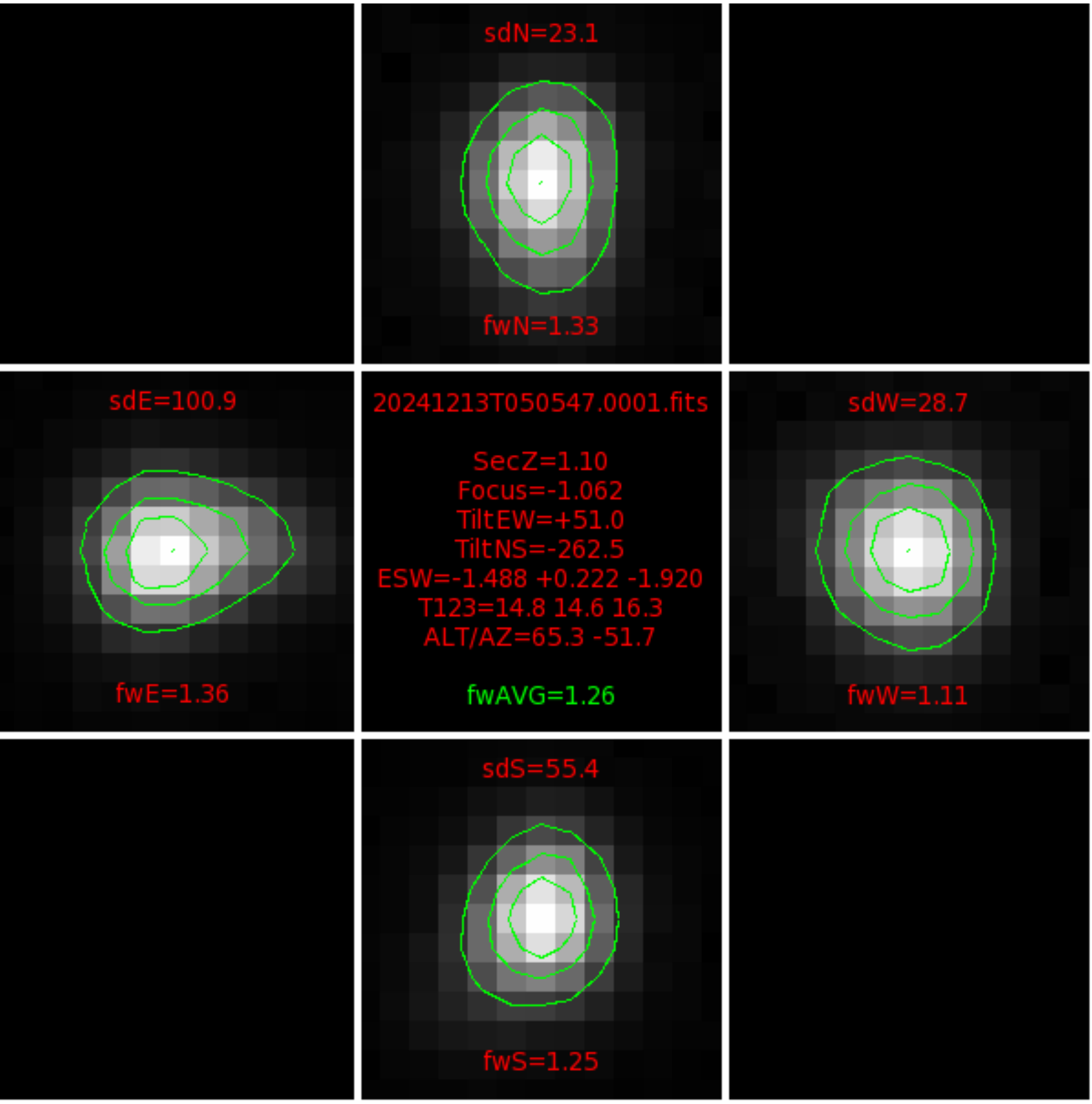
sdN=23.1
fwN=1.33
sdE=100.9
fwE=1.36
20241213T050547.0001.fits
SecZ=1.10
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.8 14.6 16.3
ALT/AZ=65.3 -51.7
fwAVG=1.26
sdW=28.7
fwW=1.11
sdS=55.4
fwS=1.25
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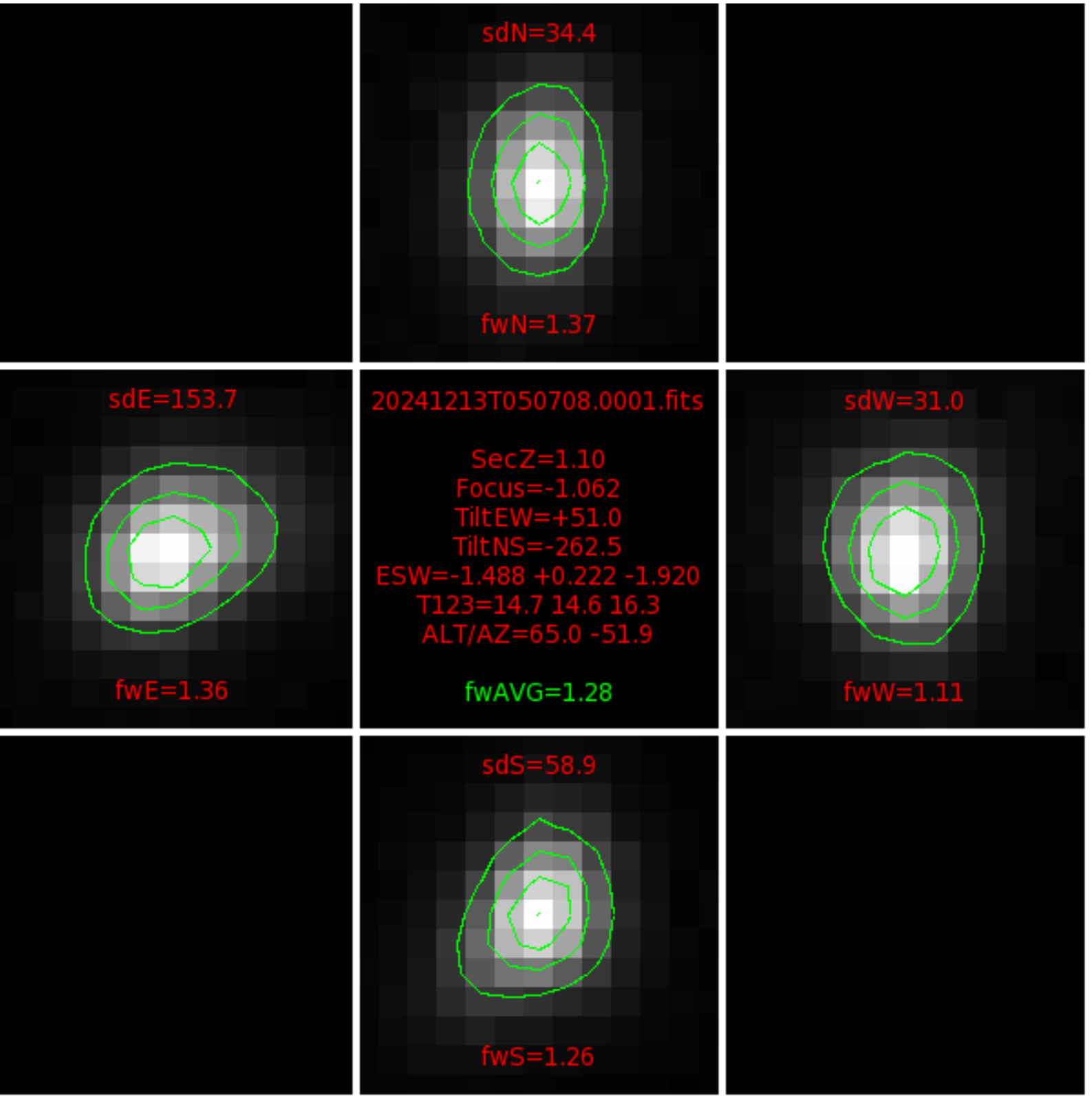
sdN=34.4
fwN=1.37
sdE=153.7
fwE=1.36
20241213T050708.0001.fits
SecZ=1.10
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.7 14.6 16.3
ALT/AZ=65.0 -51.9
fwAVG=1.28
sdW=31.0
fwW=1.11
sdS=58.9
fwS=1.26
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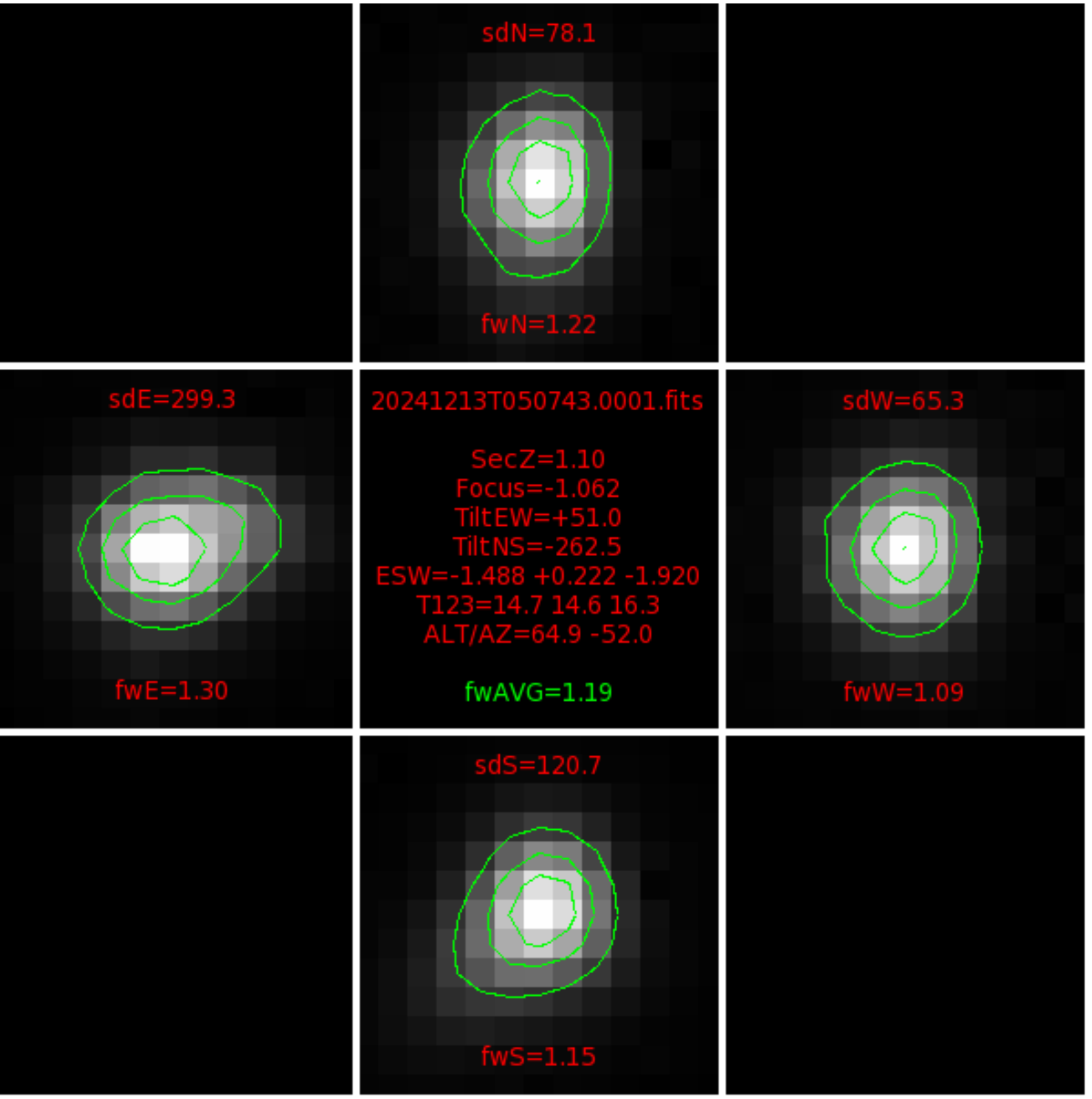
sdN=78.1
fwN=1.22
sdE=299.3
fwE=1.30
20241213T050743.0001.fits
SecZ=1.10
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.7 14.6 16.3
ALT/AZ=64.9 -52.0
fwAVG=1.19
sdW=65.3
fwW=1.09
sdS=120.7
fwS=1.15
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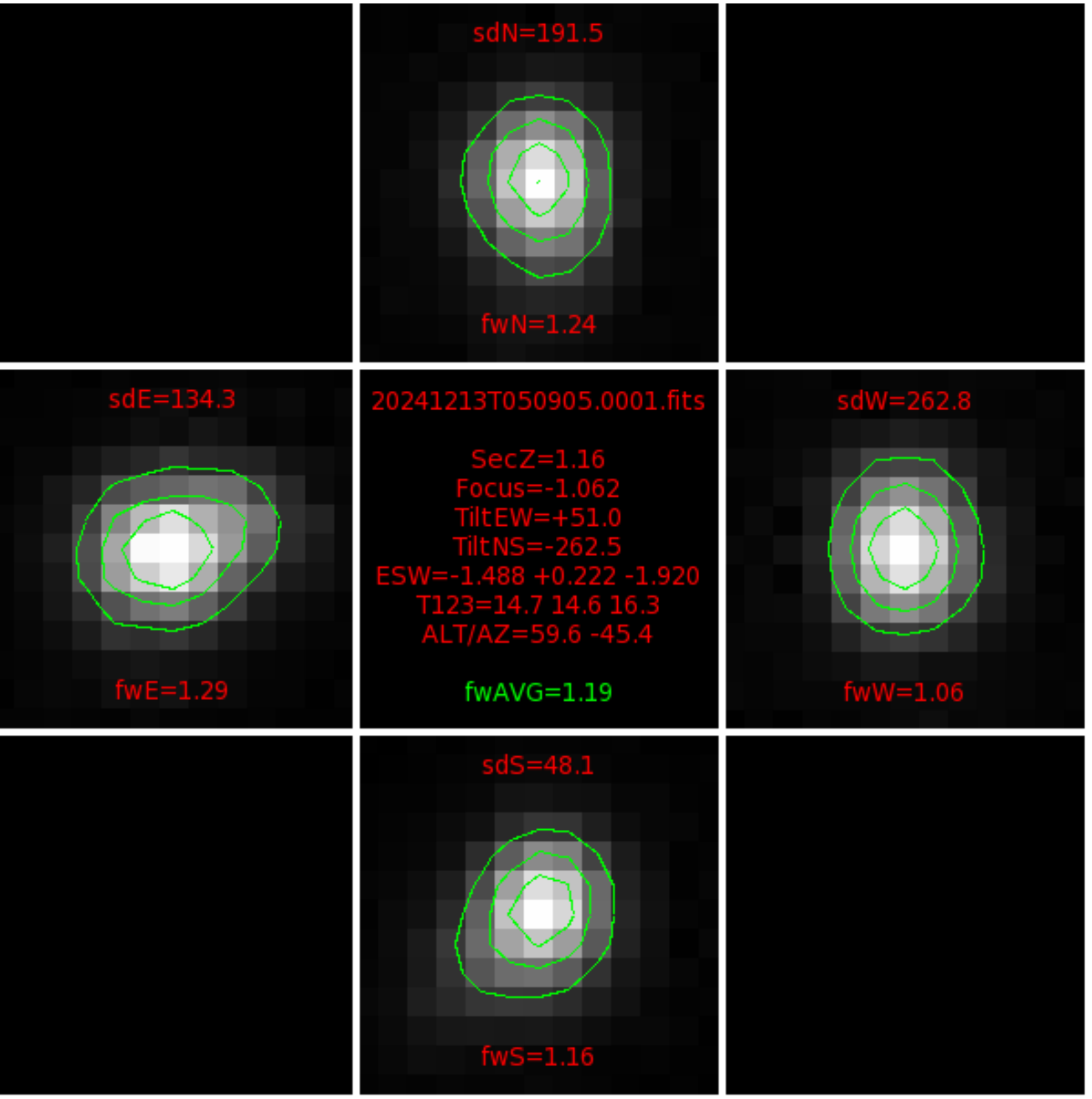
sdN=191.5
fwN=1.24
sdE=134.3
fwE=1.29
20241213T050905.0001.fits
SecZ=1.16
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.7 14.6 16.3
ALT/AZ=59.6 -45.4
fwAVG=1.19
sdW=262.8
fwW=1.06
sdS=48.1
fwS=1.16
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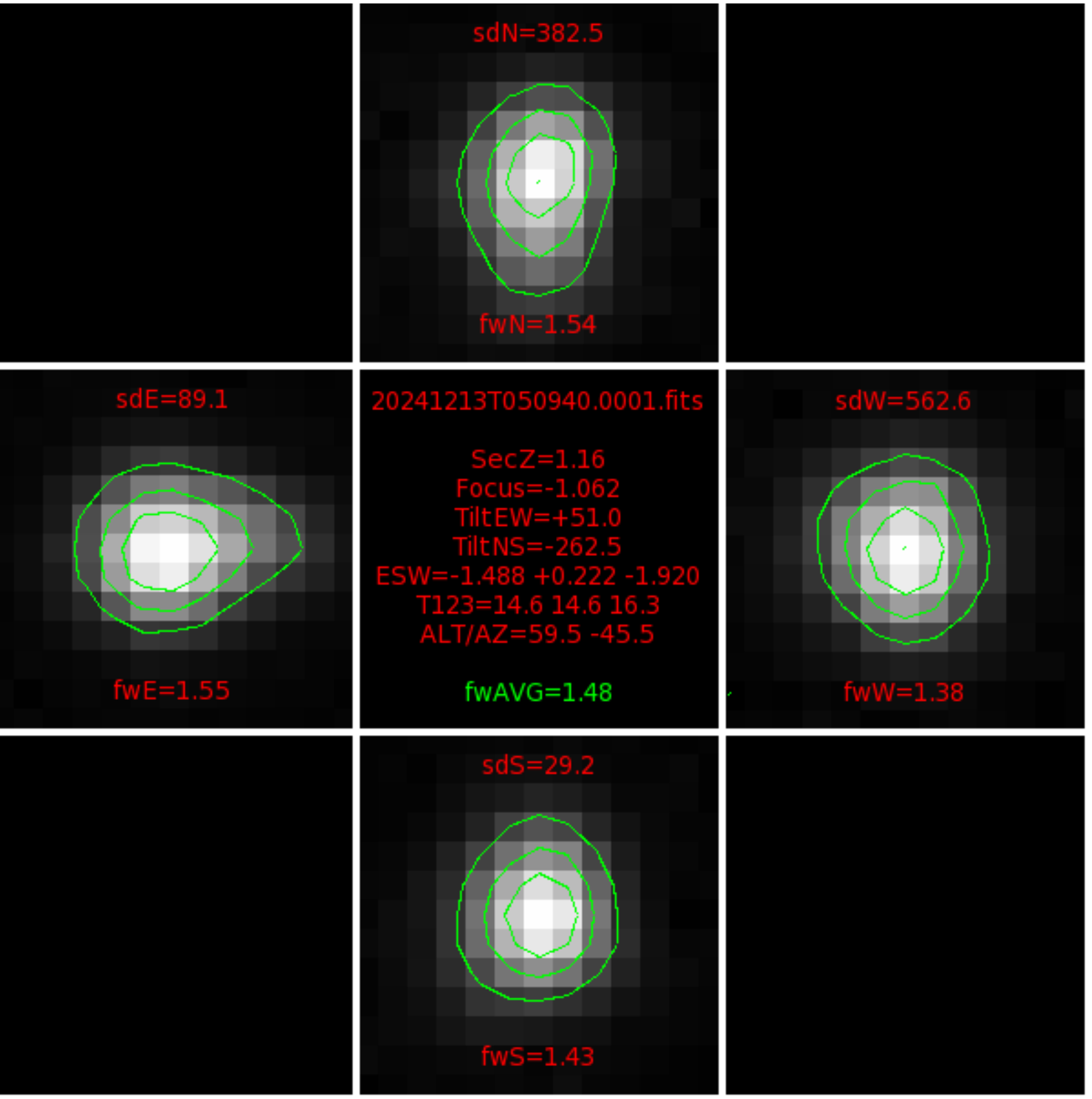
sdN=382.5
fwN=1.54
sdE=89.1
fwE=1.55
20241213T050940.0001.fits
SecZ=1.16
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.6 14.6 16.3
ALT/AZ=59.5 -45.5
fwAVG=1.48
sdW=562.6
fwW=1.38
sdS=29.2
fwS=1.43
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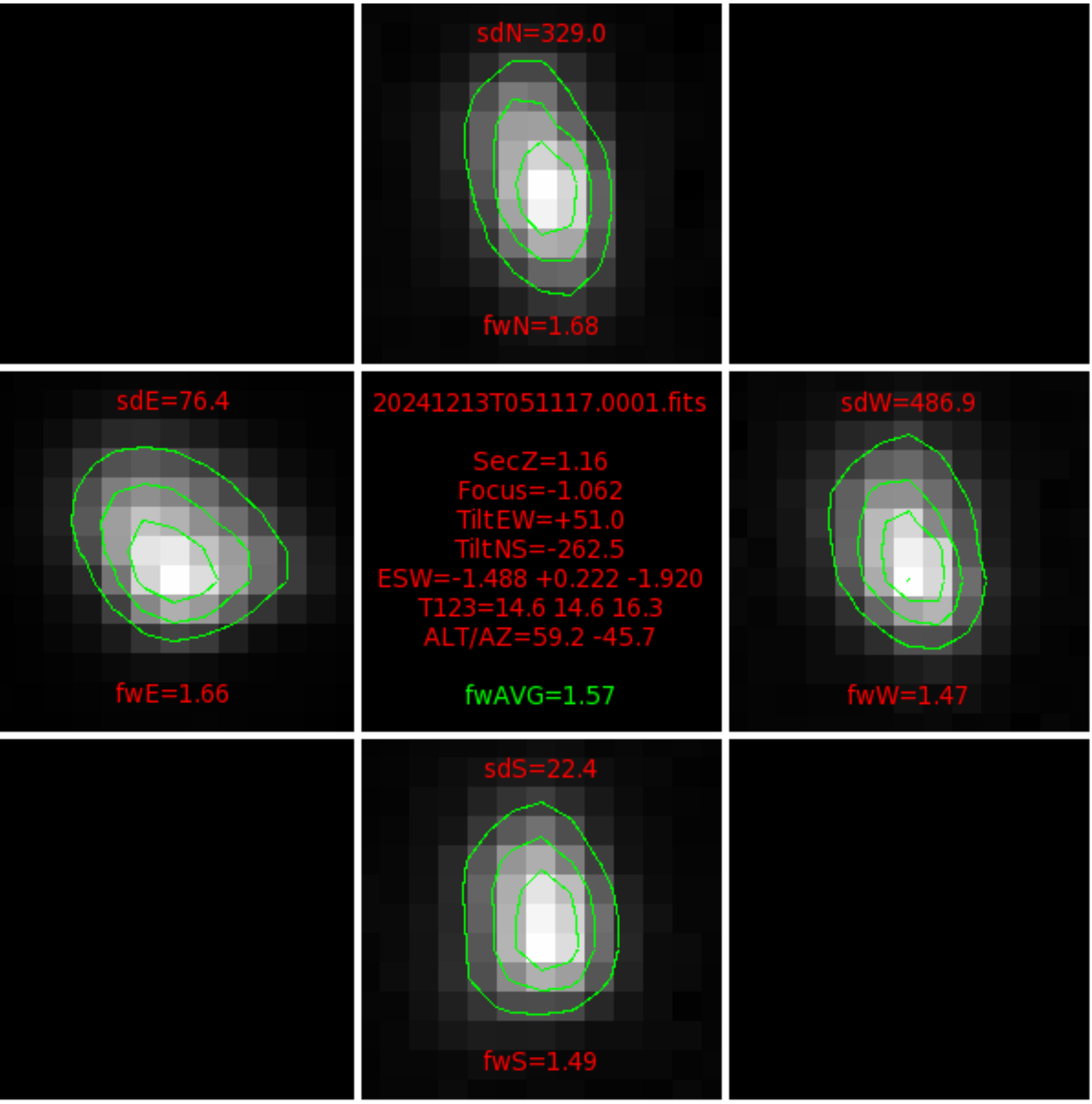
sdN=329.0
fwN=1.68
sdE=76.4
fwE=1.66
20241213T051117.0001.fits
SecZ=1.16
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.6 14.6 16.3
ALT/AZ=59.2 -45.7
fwAVG=1.57
sdW=486.9
fwW=1.47
sdS=22.4
fwS=1.49
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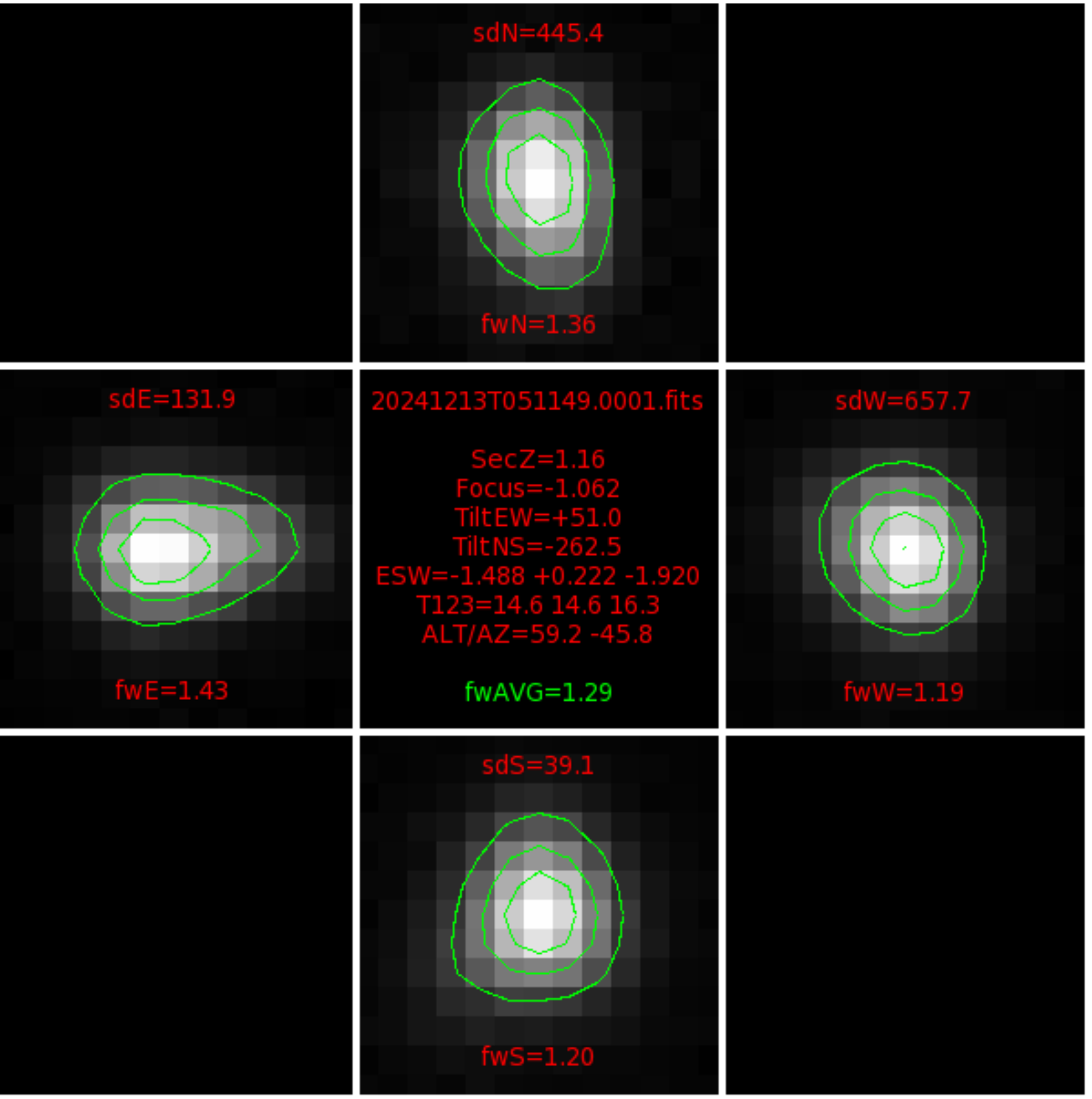
sdN=445.4
fwN=1.36
sdE=131.9
fwE=1.43
20241213T051149.0001.fits
SecZ=1.16
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.6 14.6 16.3
ALT/AZ=59.2 -45.8
fwAVG=1.29
sdW=657.7
fwW=1.19
sdS=39.1
fwS=1.20
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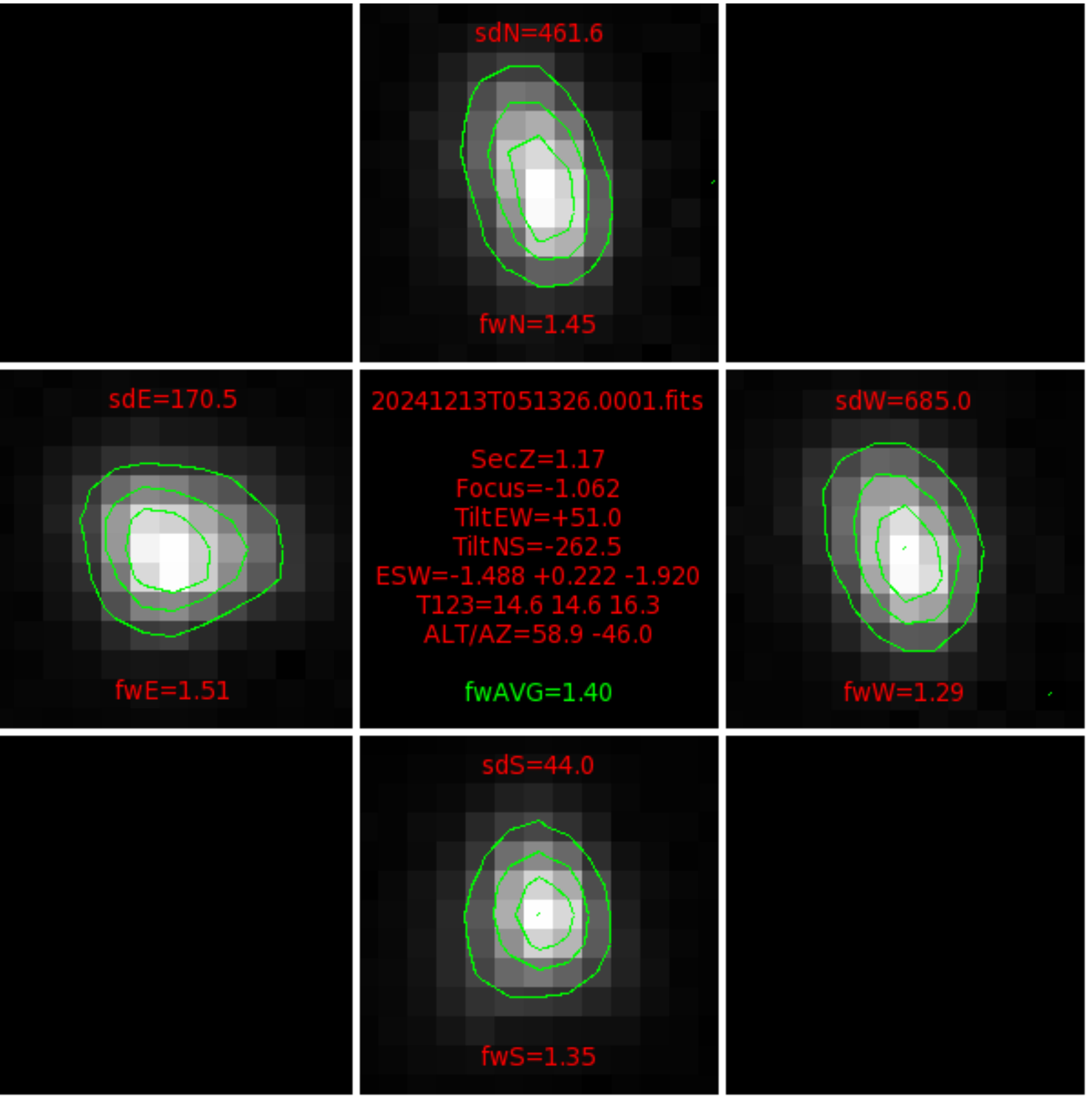
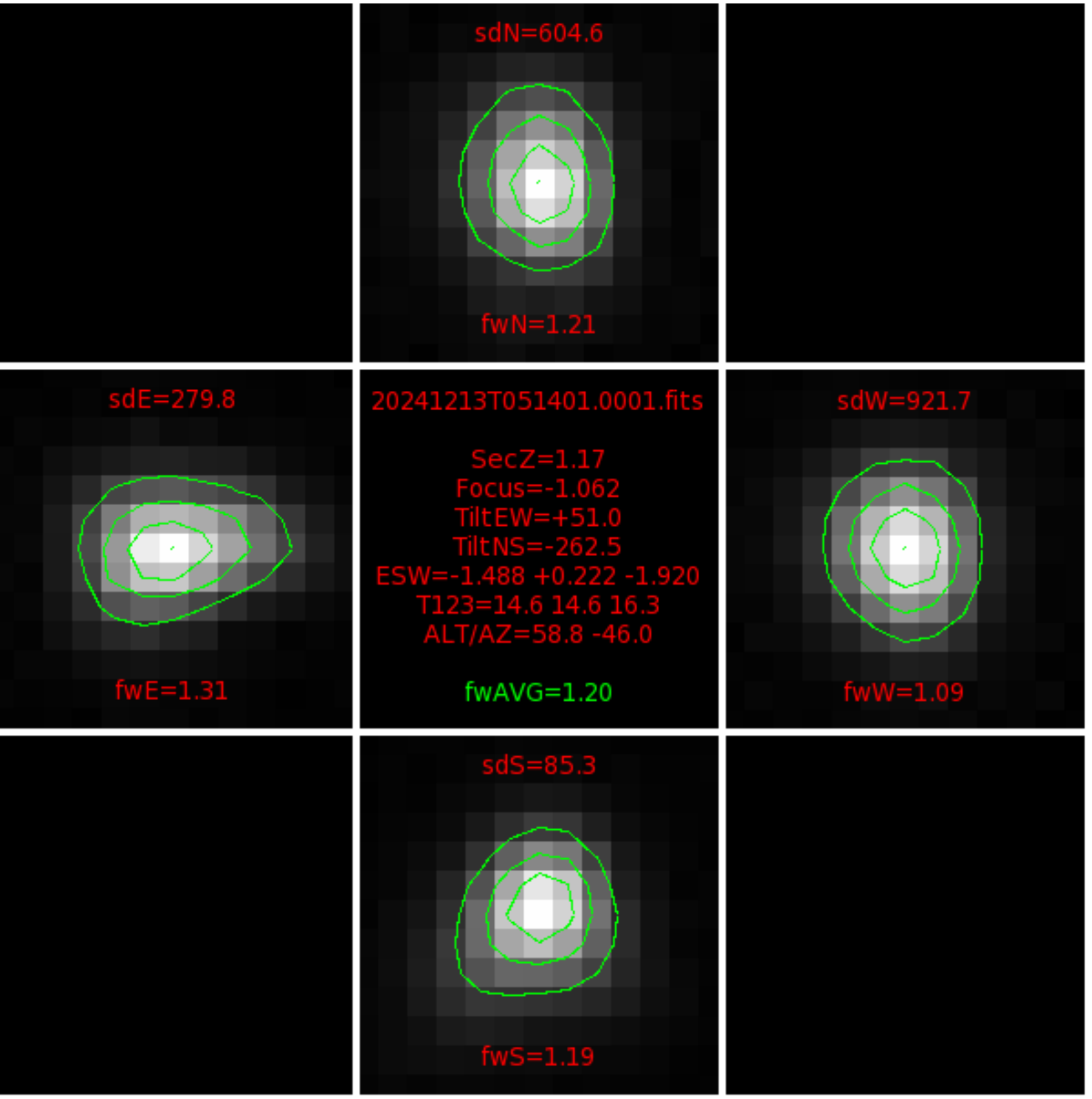

sdN=461.6
fwN=1.45
sdE=170.5
fwE=1.51
20241213T051326.0001.fits
SecZ=1.17
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.6 14.6 16.3
ALT/AZ=58.9 -46.0
fwAVG=1.40
sdW=685.0
fwW=1.29
sdS=44.0
fwS=1.35
0 0 0 0 0 0 0 0 0


sdN=604.6
fwN=1.21
sdE=279.8
fwE=1.31
20241213T051401.0001.fits
SecZ=1.17
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.6 14.6 16.3
ALT/AZ=58.8 -46.0
fwAVG=1.20
sdW=921.7
fwW=1.09
sdS=85.3
fwS=1.19
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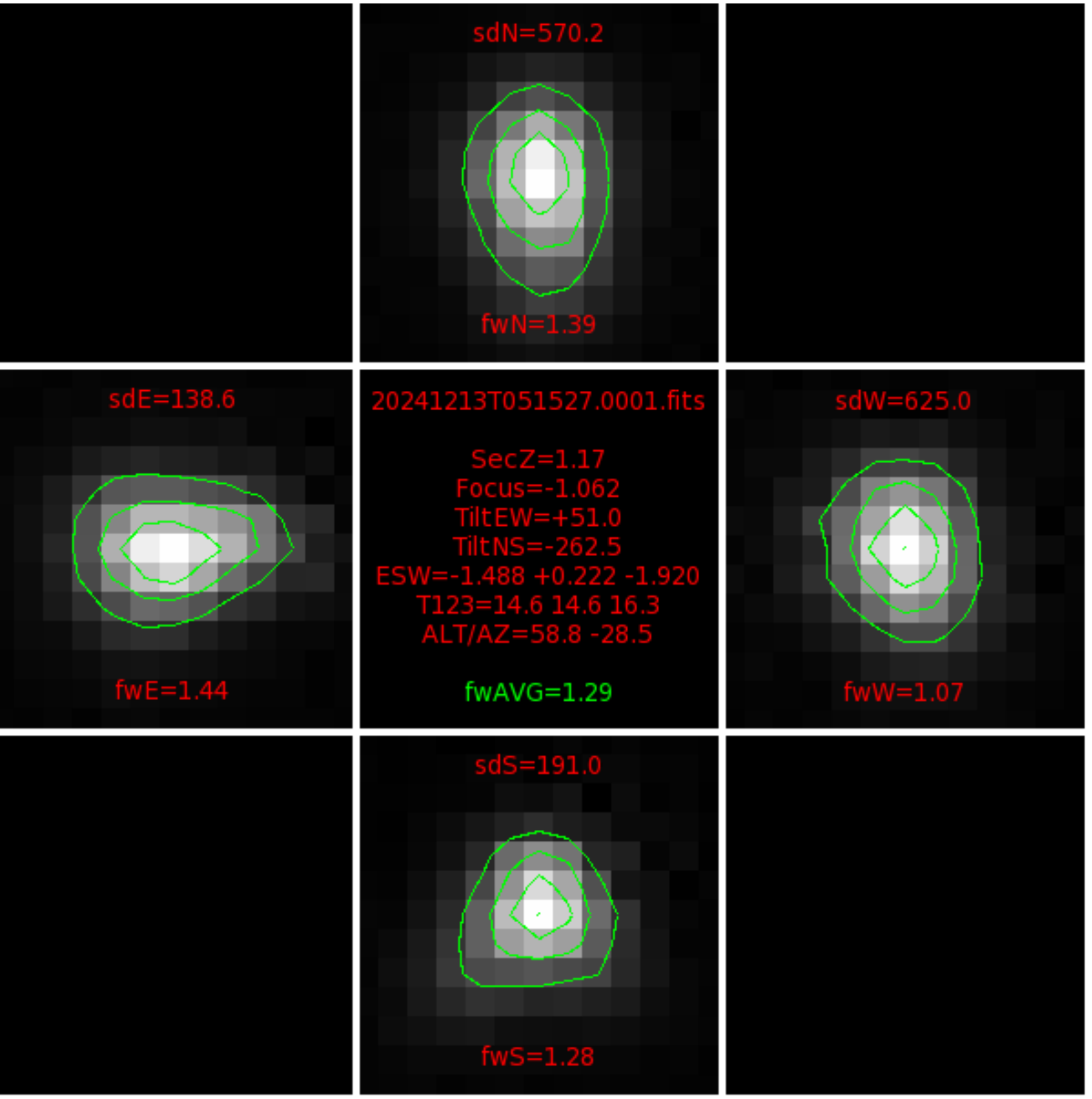
sdN=570.2
fwN=1.39
sdE=138.6
fwE=1.44
20241213T051527.0001.fits
SecZ=1.17
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.6 14.6 16.3
ALT/AZ=58.8 -28.5
fwAVG=1.29
sdW=625.0
fwW=1.07
sdS=191.0
fwS=1.28
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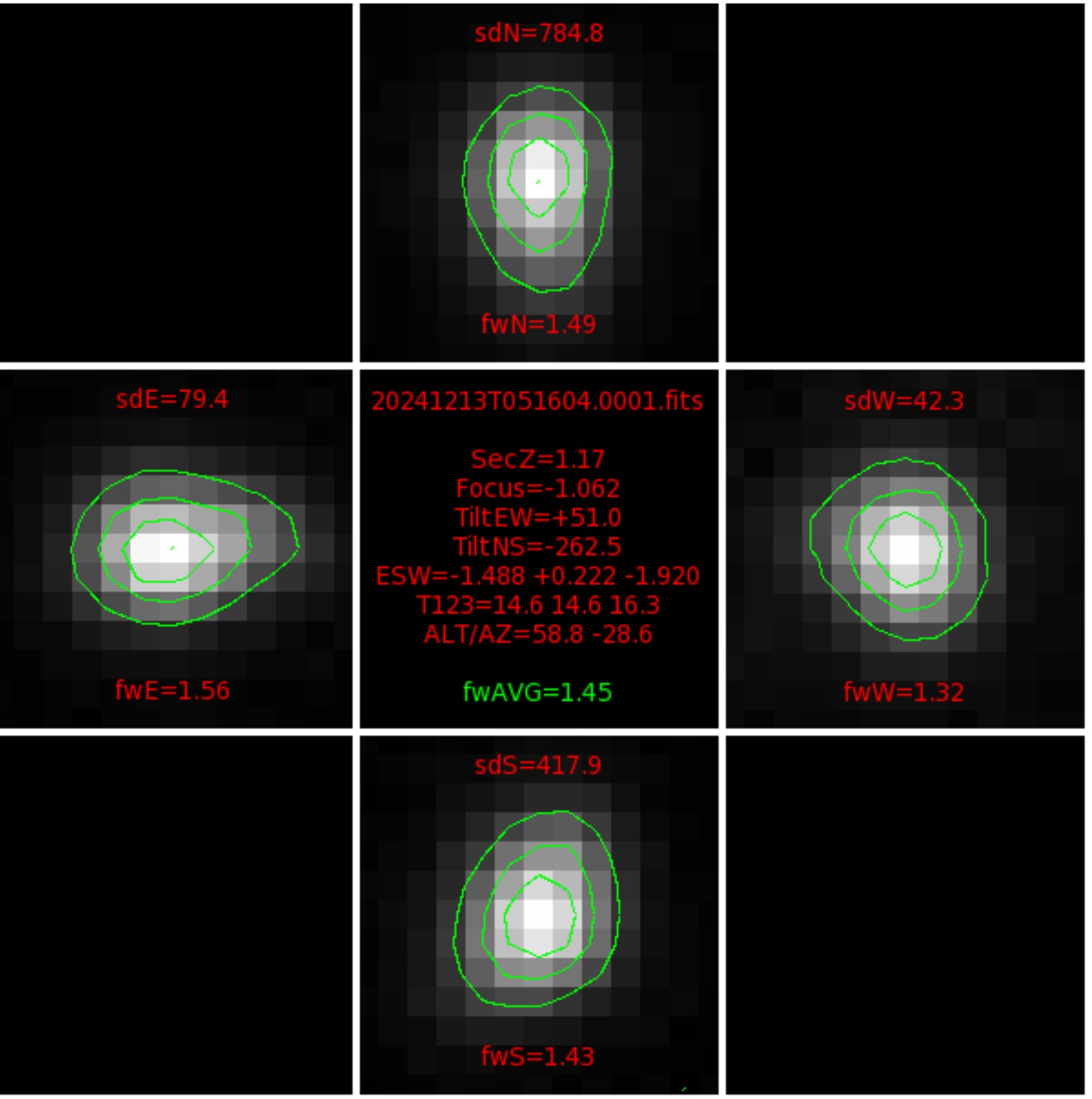
sdN=784.8
fwN=1.49
sdE=79.4
fwE=1.56
20241213T051604.0001.fits
SecZ=1.17
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.6 14.6 16.3
ALT/AZ=58.8 -28.6
fwAVG=1.45
sdW=42.3
fwW=1.32
sdS=417.9
fwS=1.43
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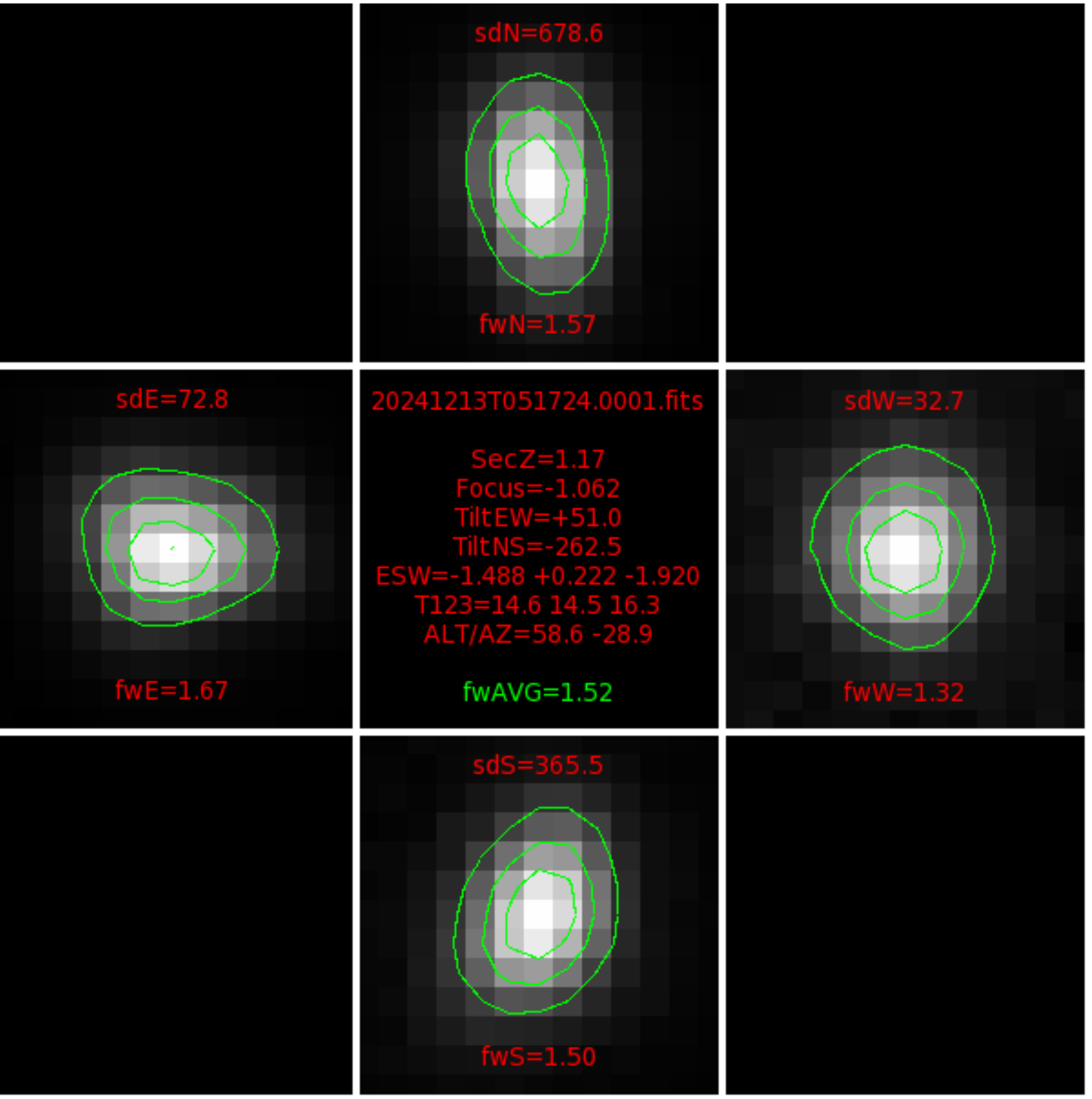
sdN=678.6
fwN=1.57
sdE=72.8
fwE=1.67
20241213T051724.0001.fits
SecZ=1.17
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.6 14.5 16.3
ALT/AZ=58.6 -28.9
fwAVG=1.52
sdW=32.7
fwW=1.32
sdS=365.5
fwS=1.50
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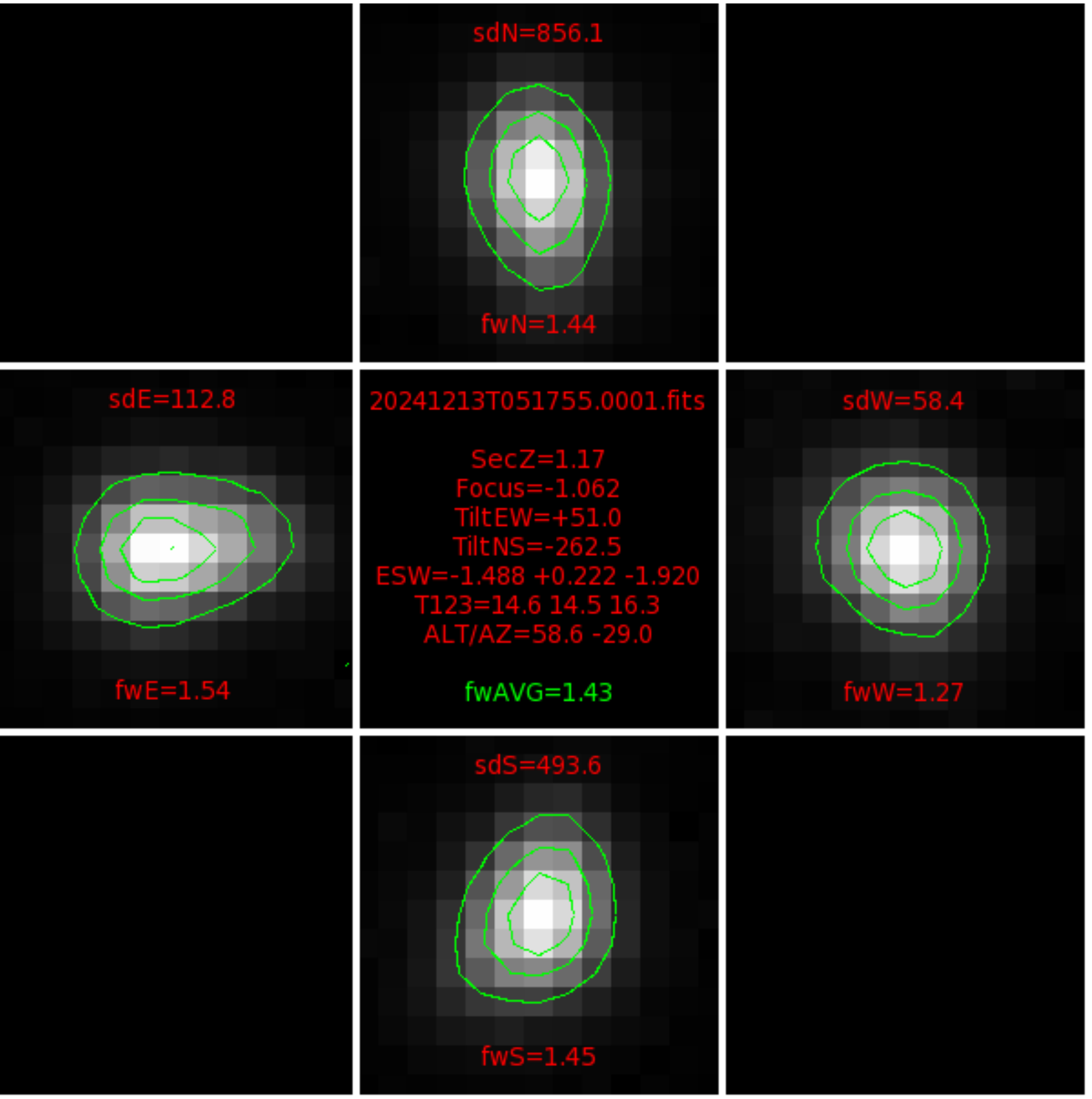
sdN=856.1
fwN=1.44
sdE=112.8
fwE=1.54
20241213T051755.0001.fits
SecZ=1.17
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.6 14.5 16.3
ALT/AZ=58.6 -29.0
fwAVG=1.43
sdW=58.4
fwW=1.27
sdS=493.6
fwS=1.45
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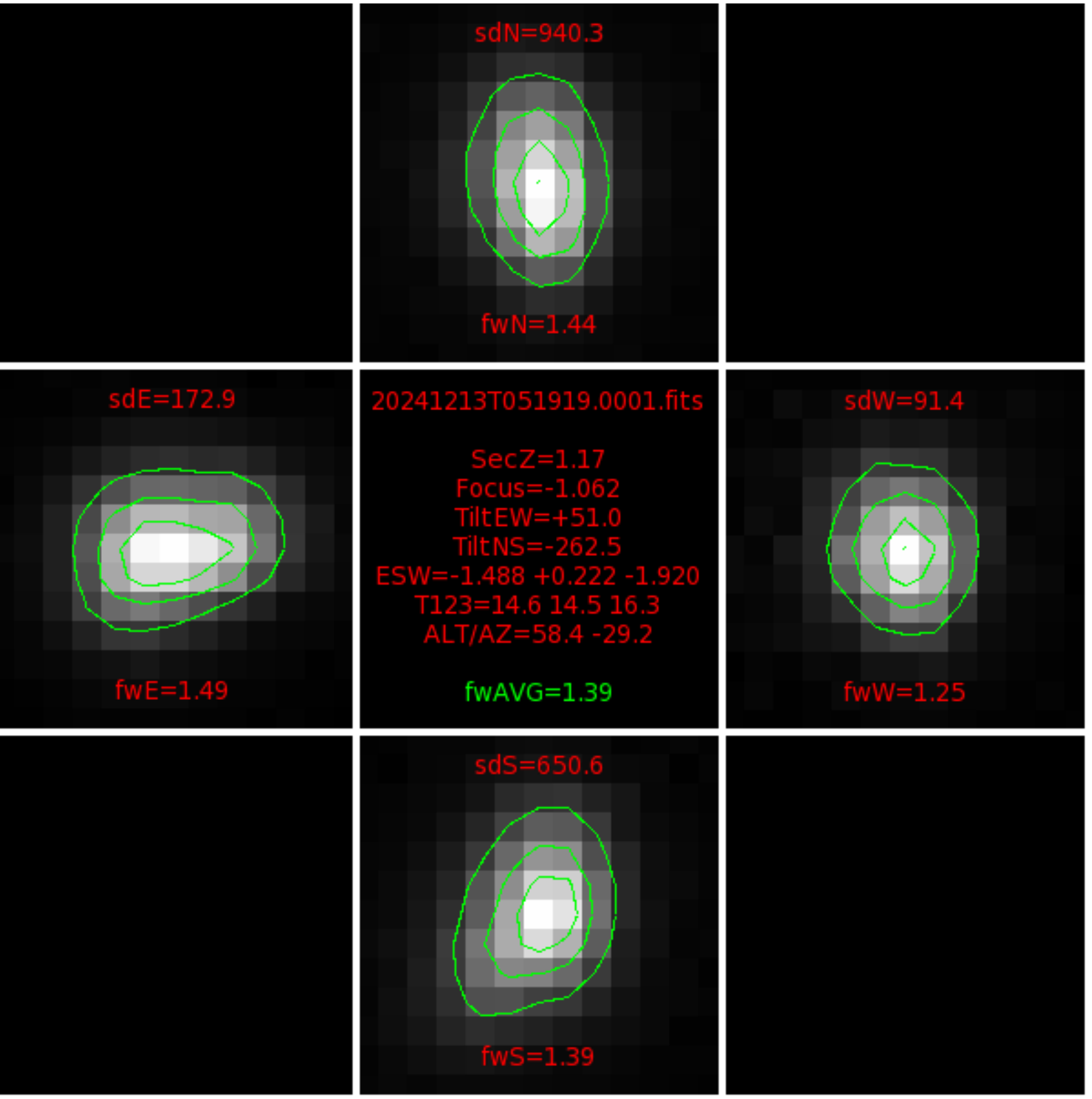
sdN=940.3
fwN=1.44
sdE=172.9
fwE=1.49
20241213T051919.0001.fits
SecZ=1.17
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.6 14.5 16.3
ALT/AZ=58.4 -29.2
fwAVG=1.39
sdW=91.4
fwW=1.25
sdS=650.6
fwS=1.39
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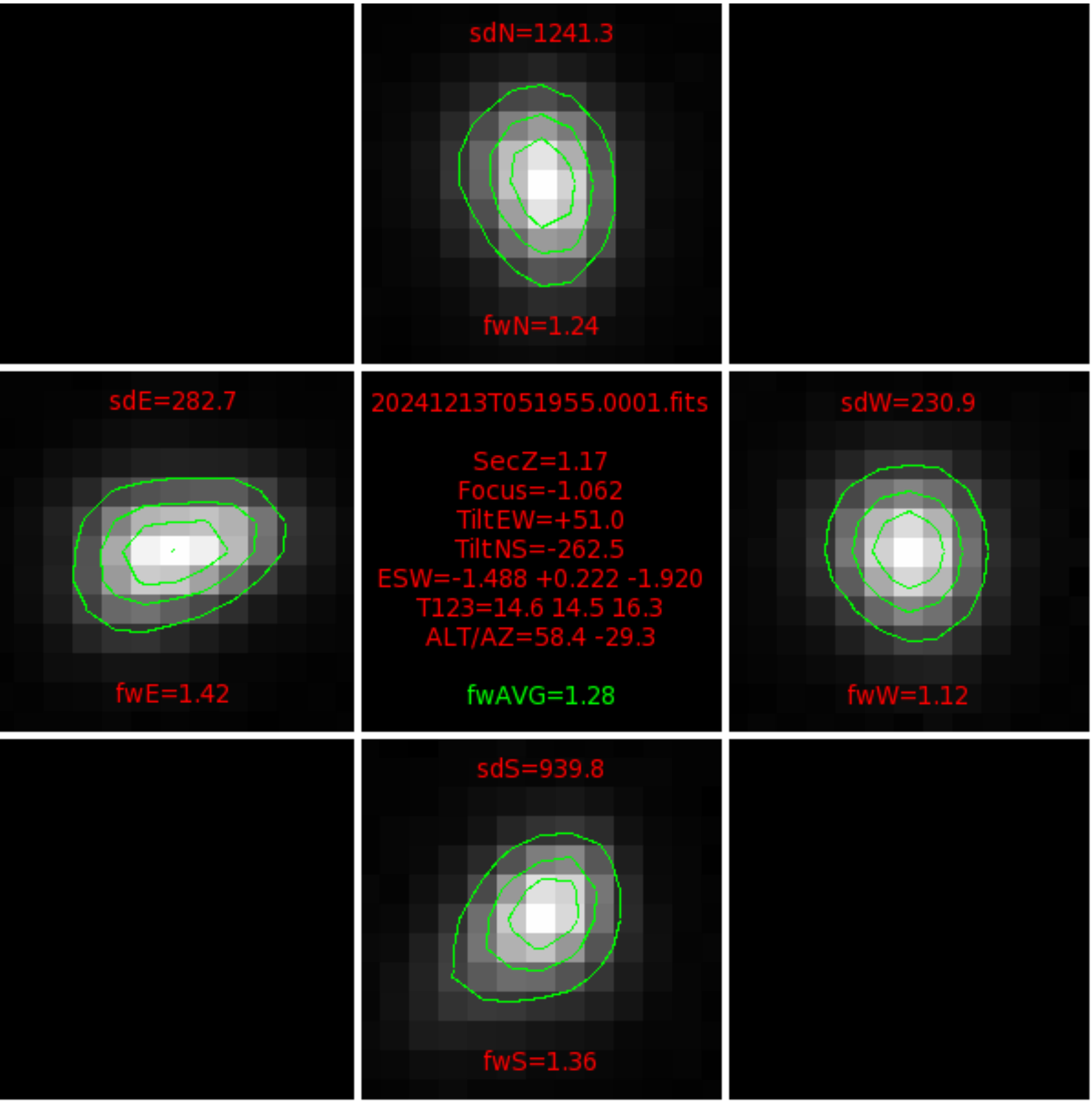
sdN=1241.3
fwN=1.24
sdE=282.7
fwE=1.42
20241213T051955.0001.fits
SecZ=1.17
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.6 14.5 16.3
ALT/AZ=58.4 -29.3
fwAVG=1.28
sdW=230.9
fwW=1.12
sdS=939.8
fwS=1.36
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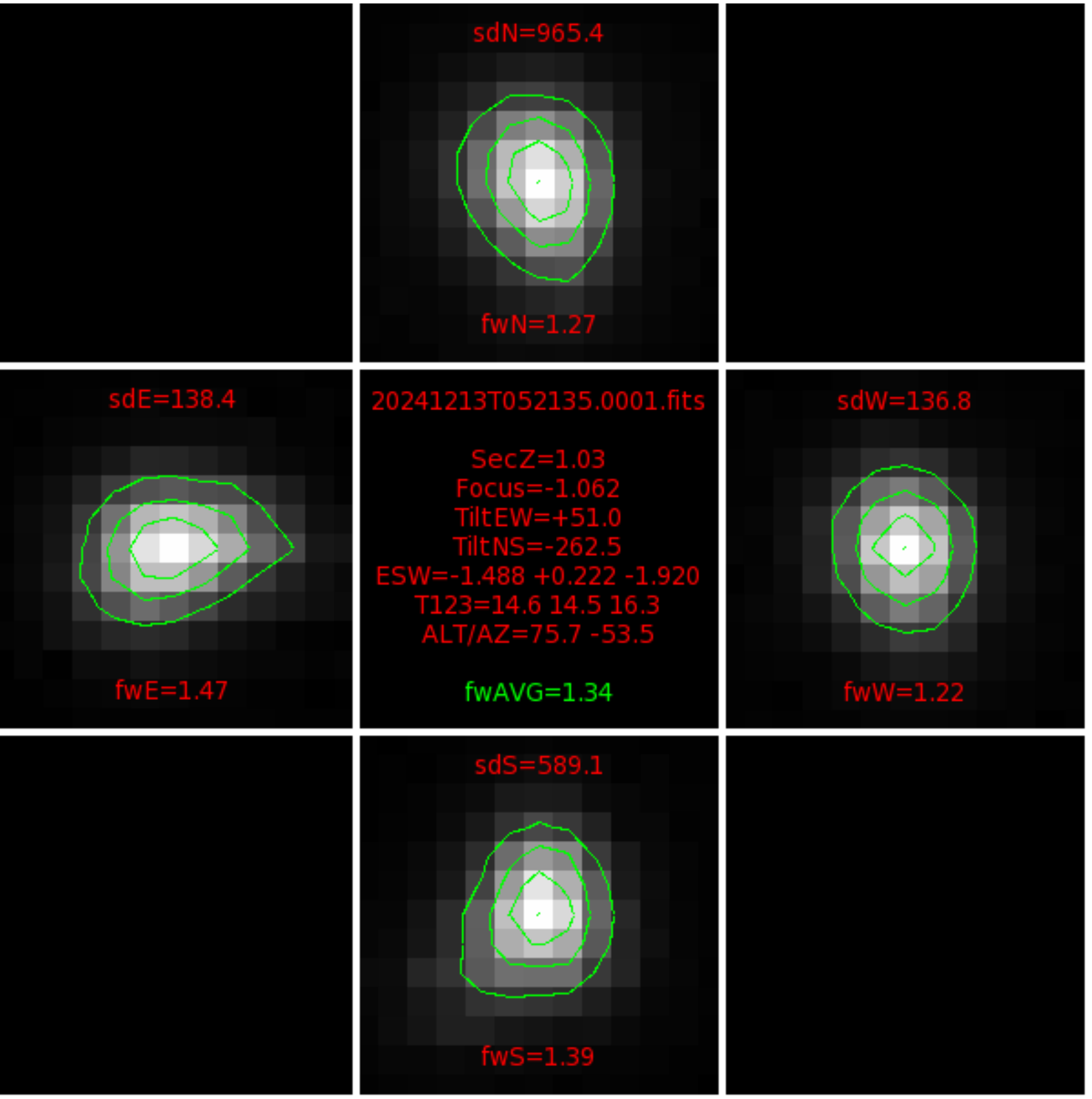
sdN=965.4
fwN=1.27
sdE=138.4
fwE=1.47
20241213T052135.0001.fits
SecZ=1.03
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.6 14.5 16.3
ALT/AZ=75.7 -53.5
fwAVG=1.34
sdW=136.8
fwW=1.22
sdS=589.1
fwS=1.39
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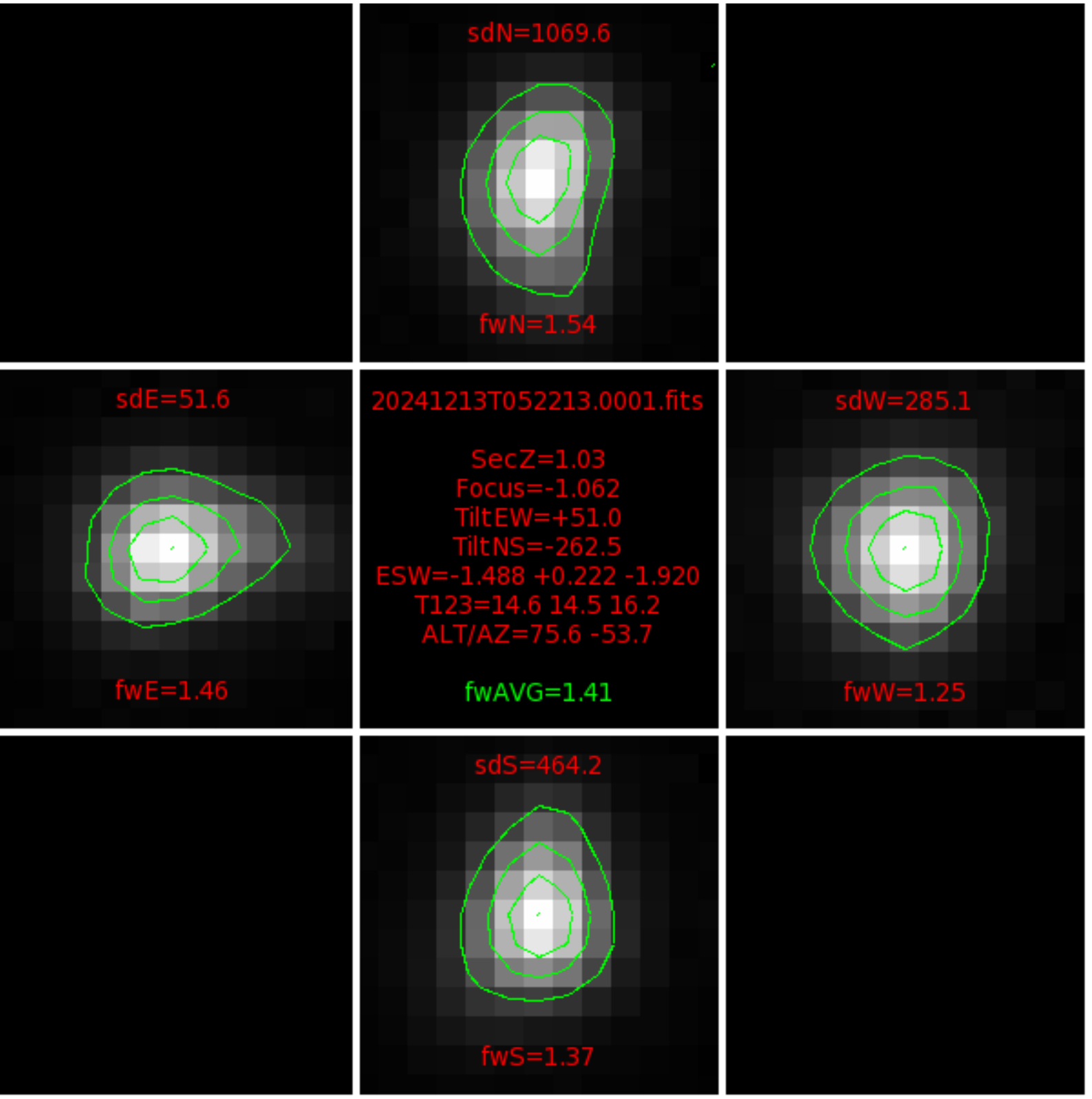
sdN=1069.6
fwN=1.54
sdE=51.6
fwE=1.46
20241213T052213.0001.fits
SecZ=1.03
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.6 14.5 16.2
ALT/AZ=75.6 -53.7
fwAVG=1.41
sdW=285.1
fwW=1.25
sdS=464.2
fwS=1.37
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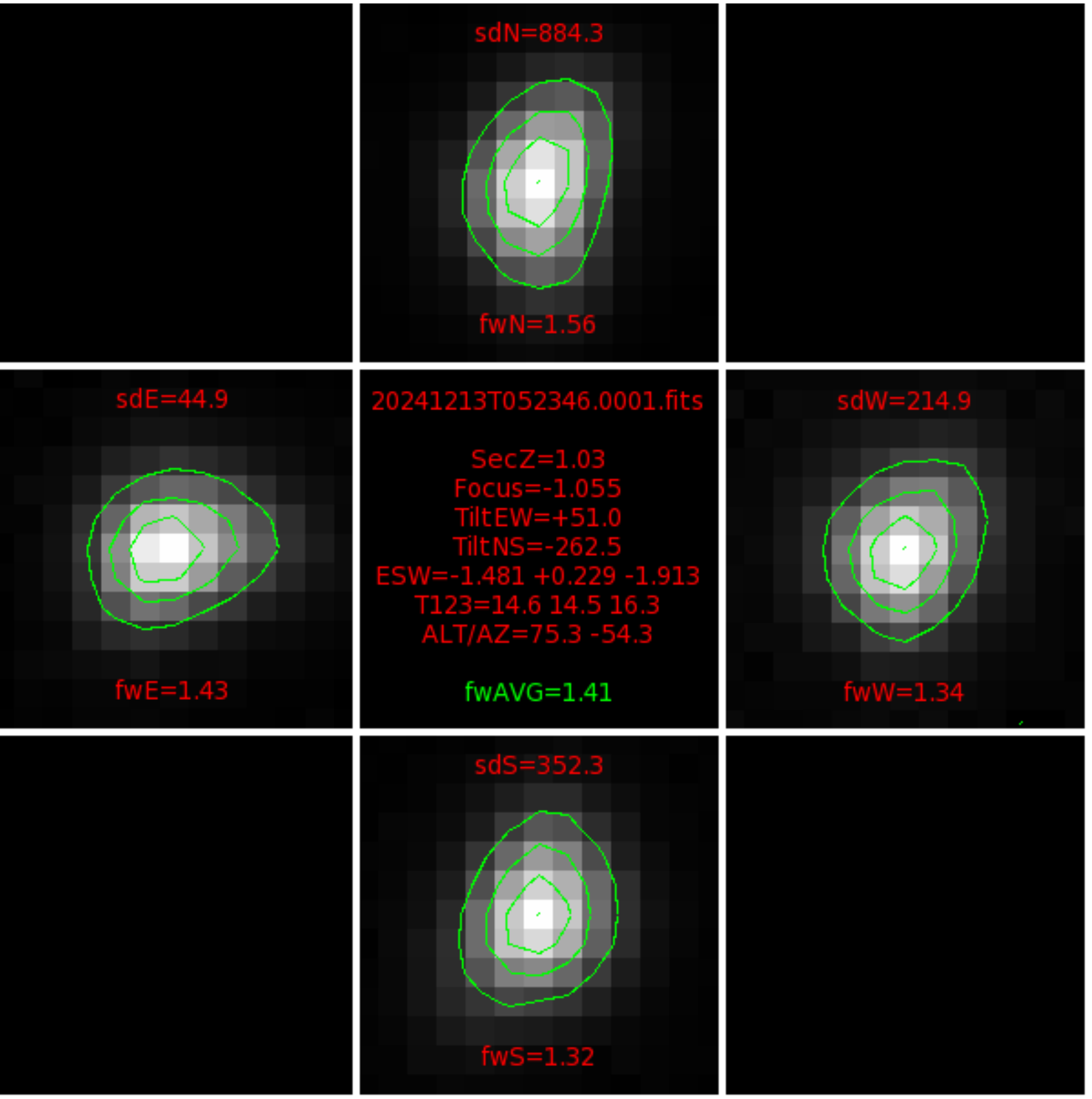
sdN=884.3
fwN=1.56
sdE=44.9
fwE=1.43
20241213T052346.0001.fits
SecZ=1.03
Focus=-1.055
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.481 +0.229 -1.913
T123=14.6 14.5 16.3
ALT/AZ=75.3 -54.3
fwAVG=1.41
sdW=214.9
fwW=1.34
sdS=352.3
fwS=1.32
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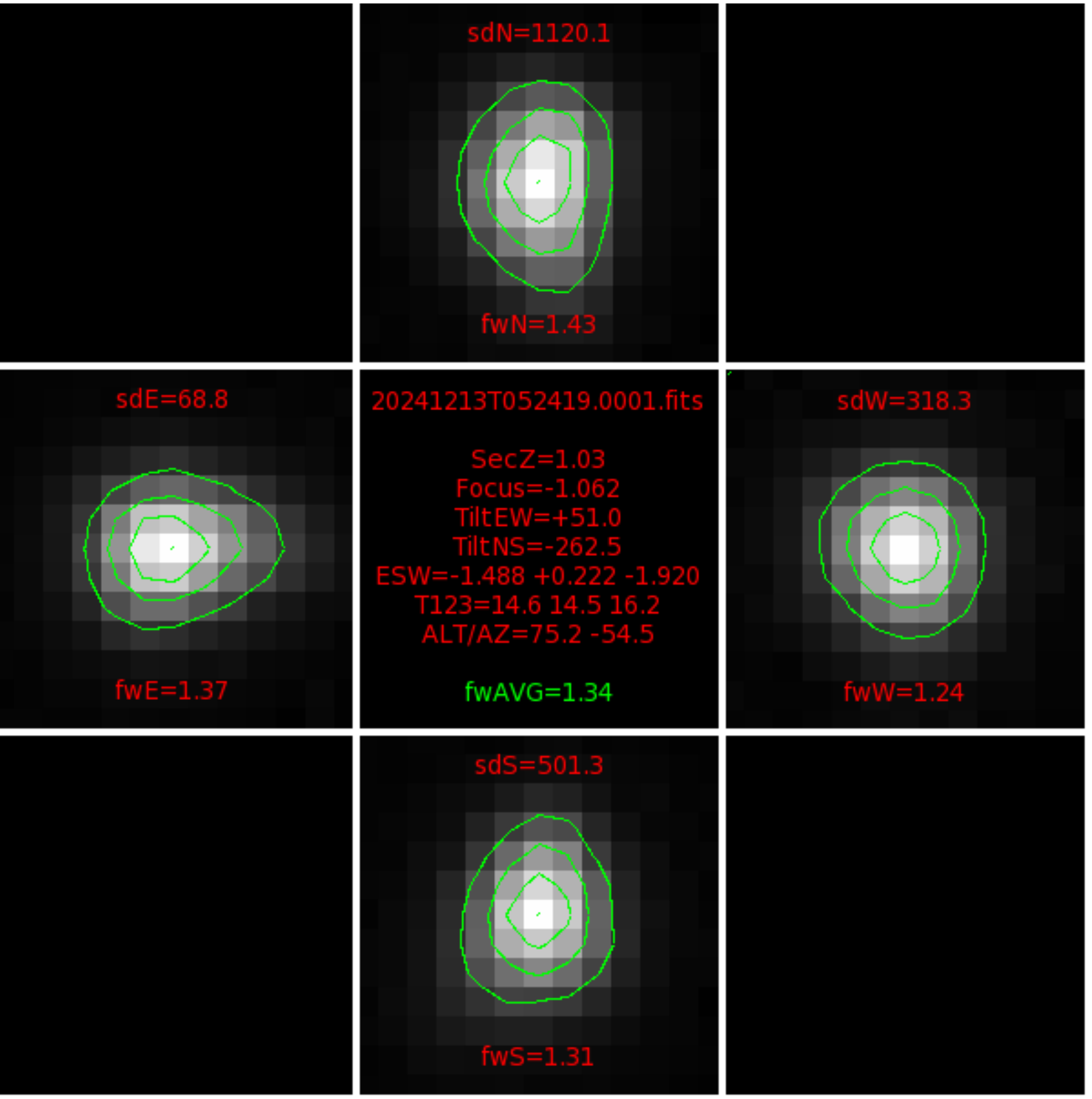
sdN=1120.1
fwN=1.43
sdE=68.8
fwE=1.37
20241213T052419.0001.fits
SecZ=1.03
Focus=-1.062
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.488 +0.222 -1.920
T123=14.6 14.5 16.2
ALT/AZ=75.2 -54.5
fwAVG=1.34
sdW=318.3
fwW=1.24
sdS=501.3
fwS=1.31
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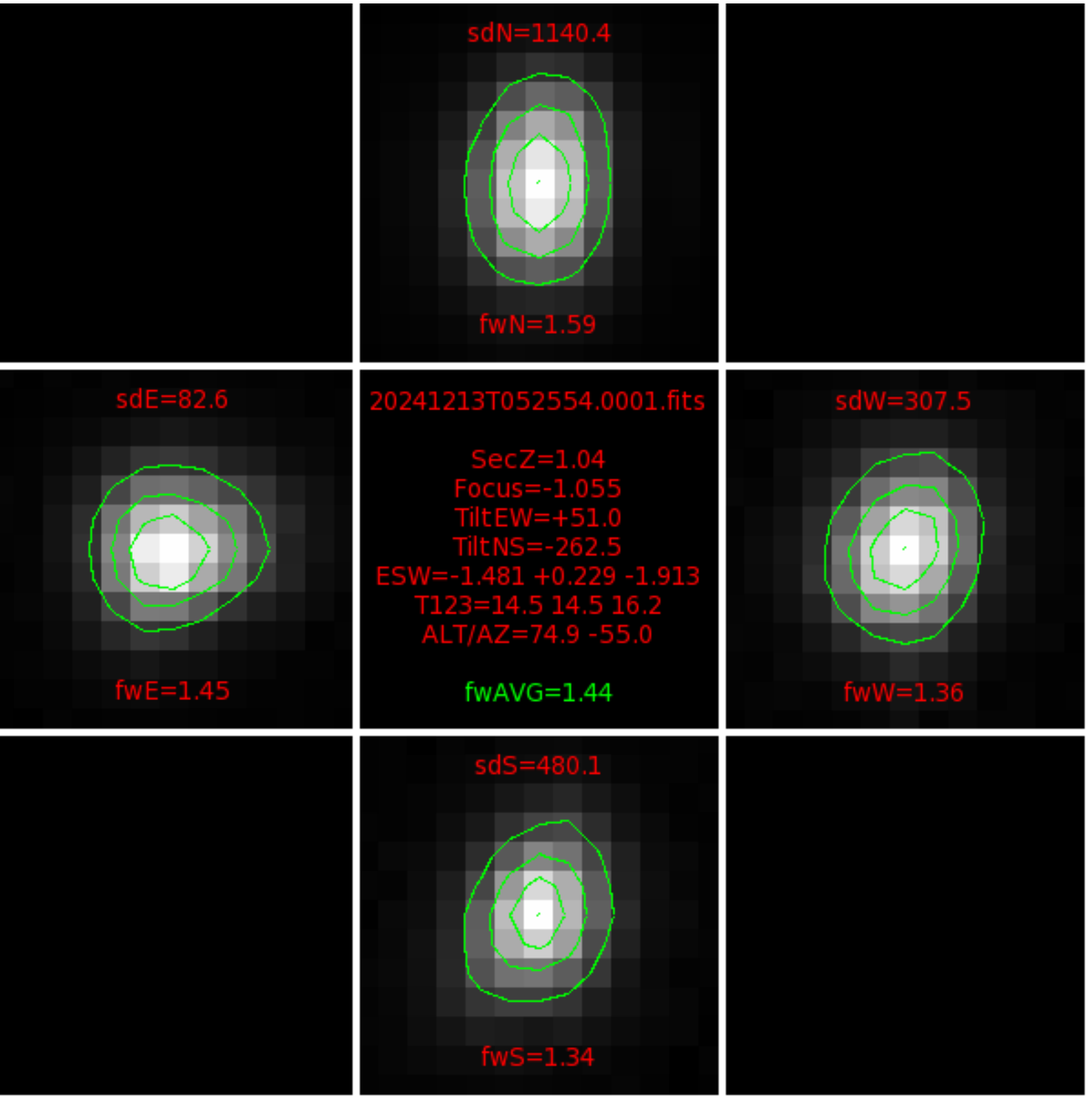
sdN=1140.4
fwN=1.59
sdE=82.6
fwE=1.45
20241213T052554.0001.fits
SecZ=1.04
Focus=-1.055
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.481 +0.229 -1.913
T123=14.5 14.5 16.2
ALT/AZ=74.9 -55.0
fwAVG=1.44
sdW=307.5
fwW=1.36
sdS=480.1
fwS=1.34
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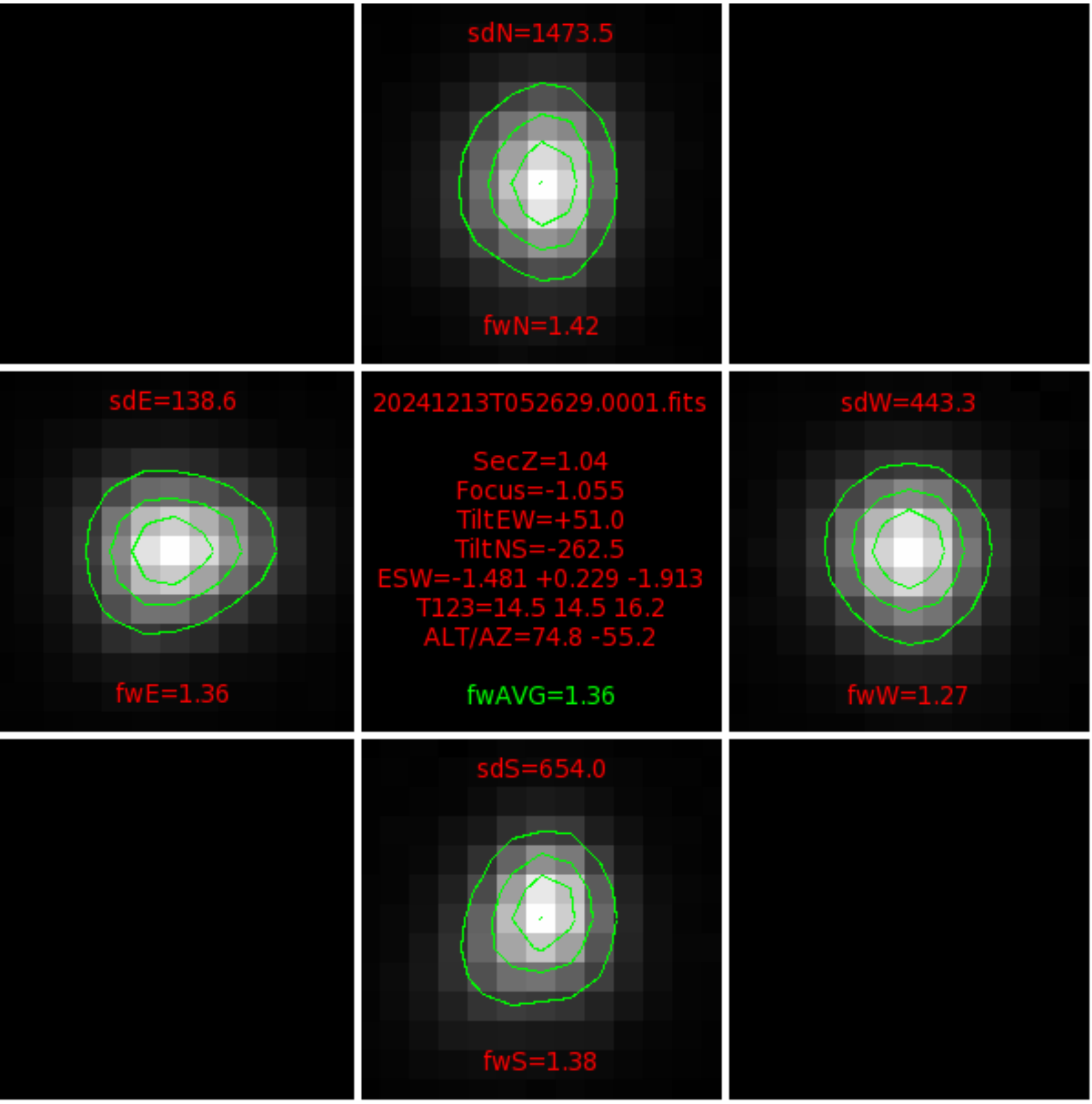
sdN=1473.5
fwN=1.42
sdE=138.6
fwE=1.36
20241213T052629.0001.fits
SecZ=1.04
Focus=-1.055
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.481 +0.229 -1.913
T123=14.5 14.5 16.2
ALT/AZ=74.8 -55.2
fwAVG=1.36
sdW=443.3
fwW=1.27
sdS=654.0
fwS=1.38
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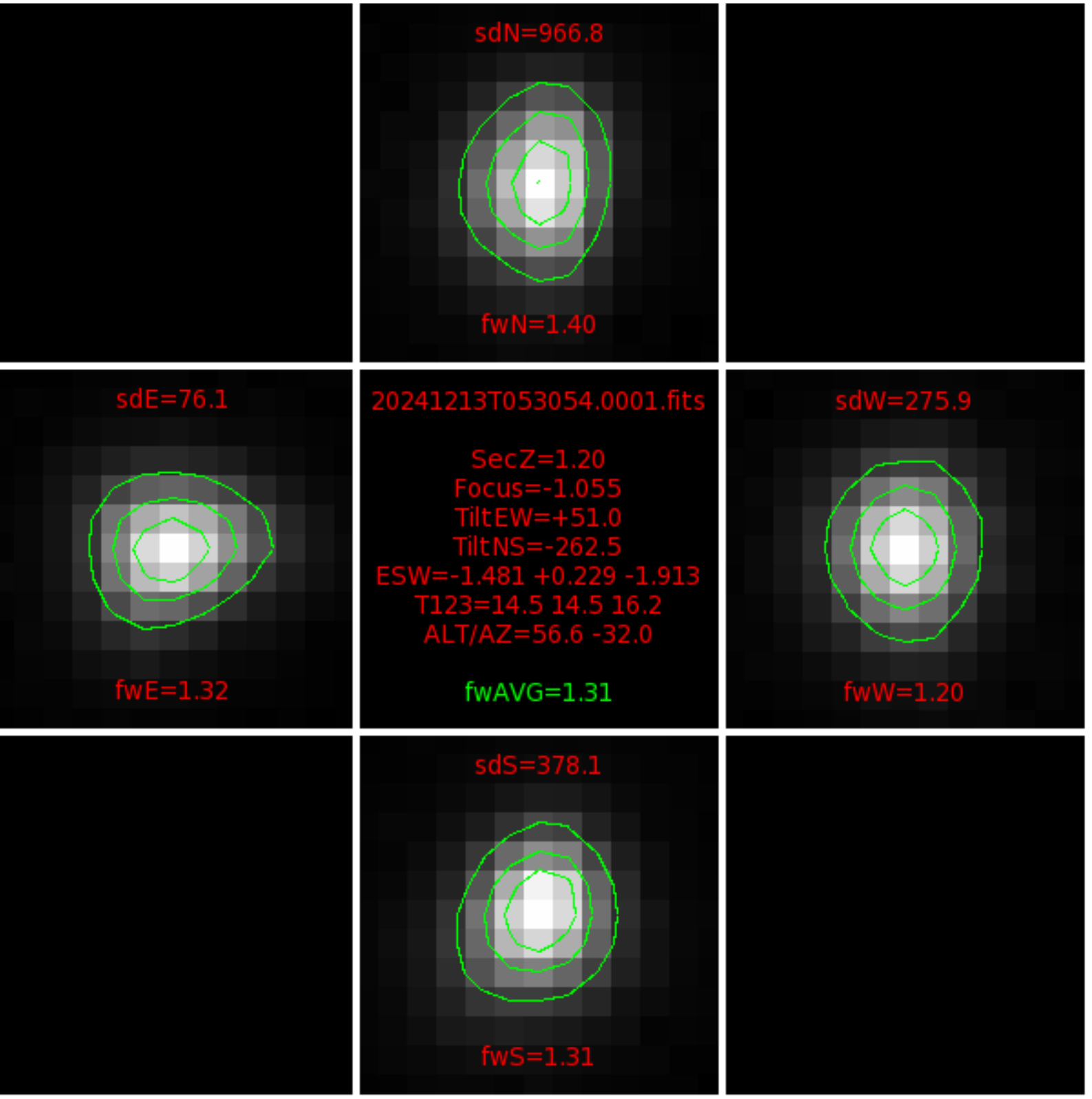
sdN=966.8
fwN=1.40
sdE=76.1
fwE=1.32
20241213T053054.0001.fits
SecZ=1.20
Focus=-1.055
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.481 +0.229 -1.913
T123=14.5 14.5 16.2
ALT/AZ=56.6 -32.0
fwAVG=1.31
sdW=275.9
fwW=1.20
sdS=378.1
fwS=1.31
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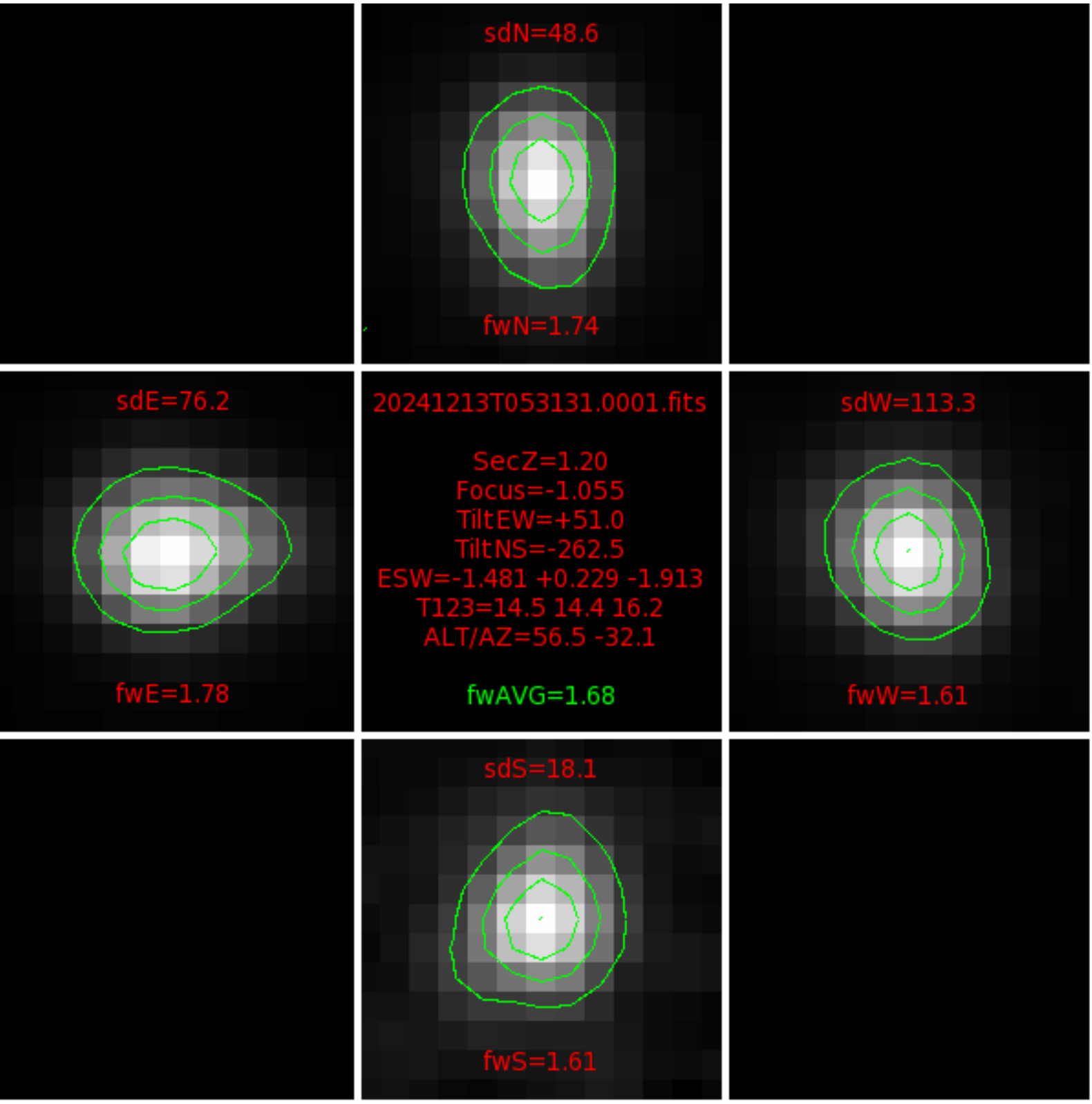
sdN=48.6
fwN=1.74
sdE=76.2
fwE=1.78
20241213T053131.0001.fits
SecZ=1.20
Focus=-1.055
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.481 +0.229 -1.913
T123=14.5 14.4 16.2
ALT/AZ=56.5 -32.1
fwAVG=1.68
sdW=113.3
fwW=1.61
sdS=18.1
fwS=1.61
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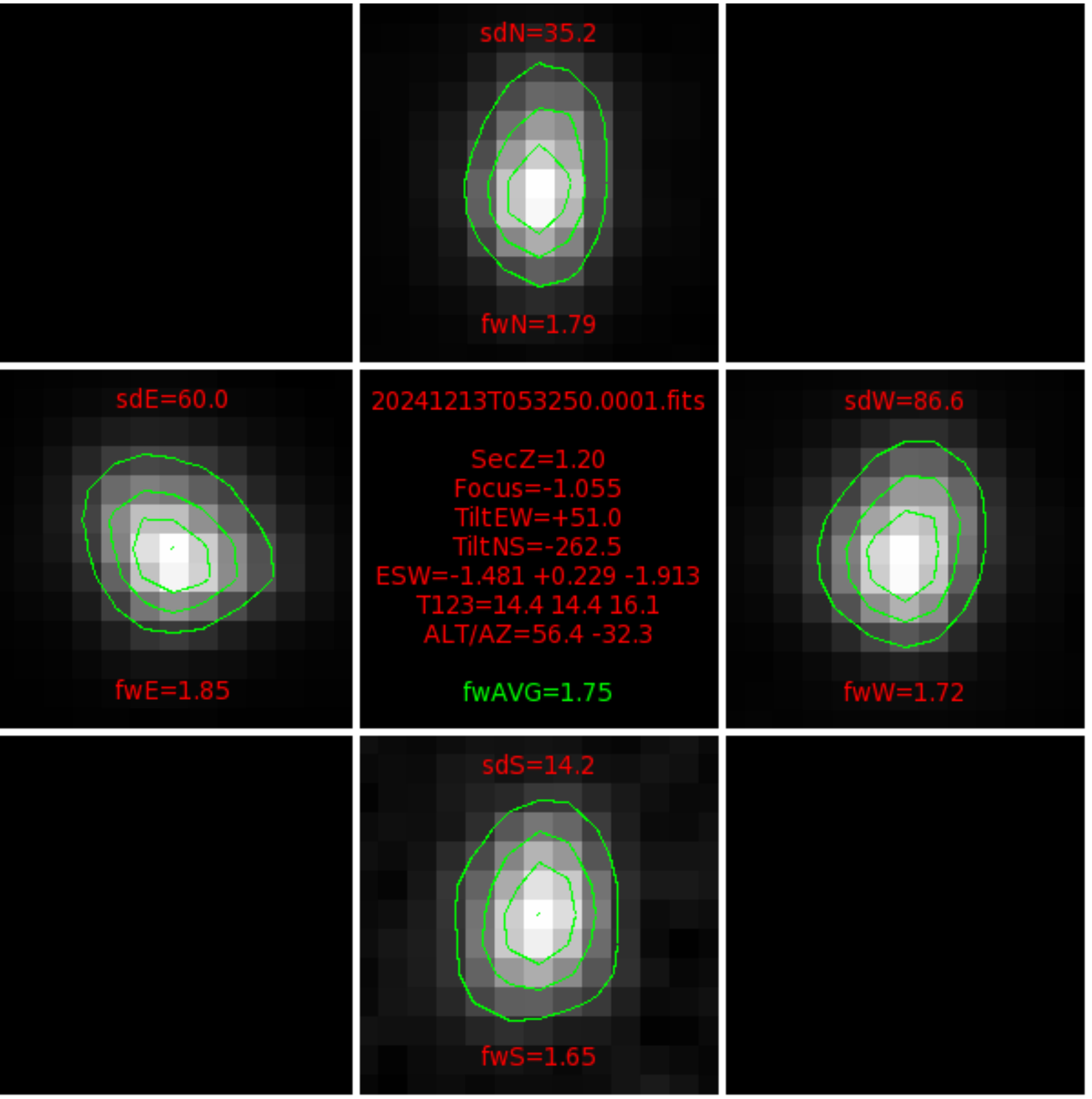
sdN=35.2
fwN=1.79
sdE=60.0
fwE=1.85
20241213T053250.0001.fits
SecZ=1.20
Focus=-1.055
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.481 +0.229 -1.913
T123=14.4 14.4 16.1
ALT/AZ=56.4 -32.3
fwAVG=1.75
sdW=86.6
fwW=1.72
sdS=14.2
fwS=1.65
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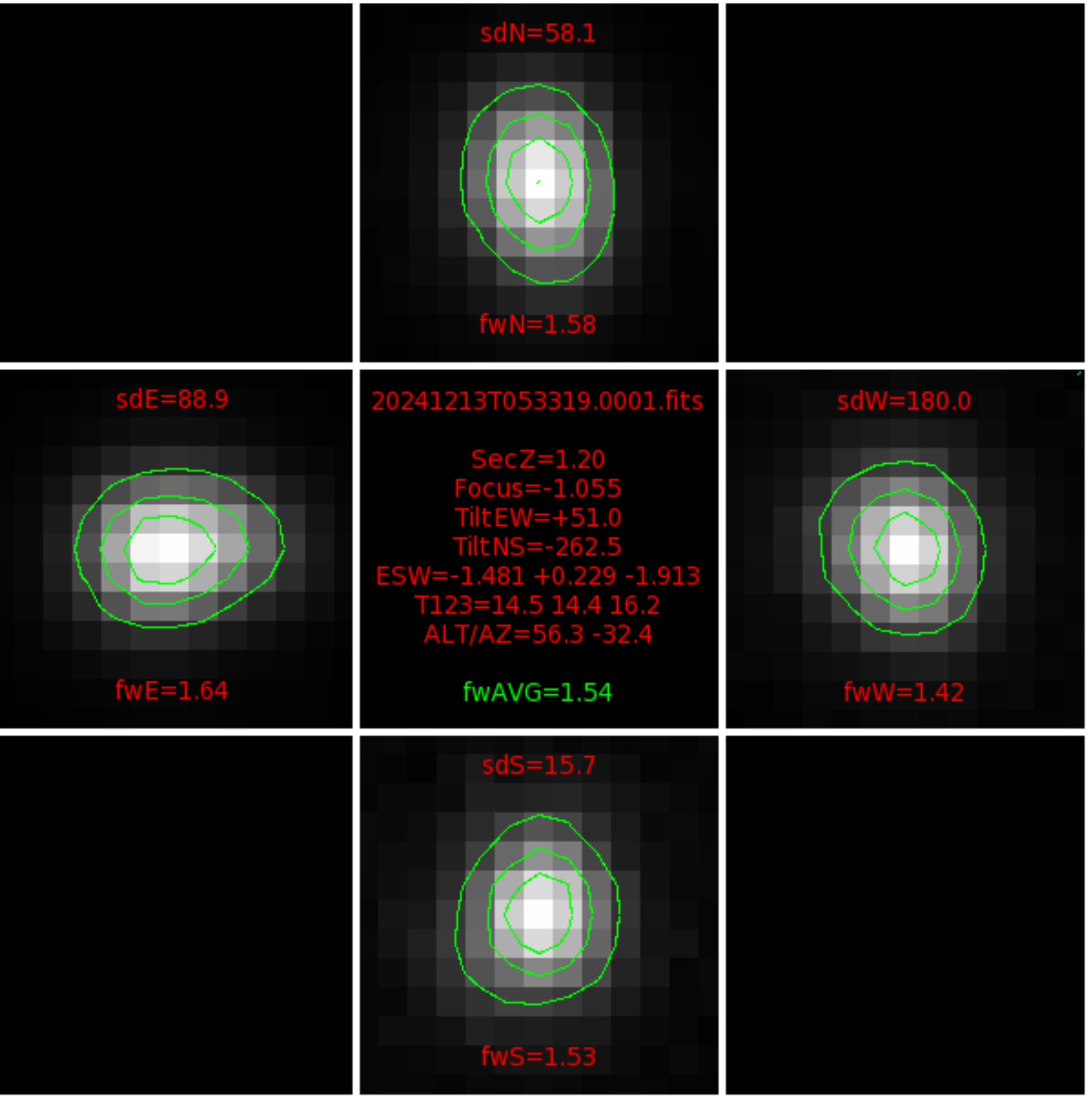
sdN=58.1
fwN=1.58
sdE=88.9
fwE=1.64
20241213T053319.0001.fits
SecZ=1.20
Focus=-1.055
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.481 +0.229 -1.913
T123=14.5 14.4 16.2
ALT/AZ=56.3 -32.4
fwAVG=1.54
sdW=180.0
fwW=1.42
sdS=15.7
fwS=1.53
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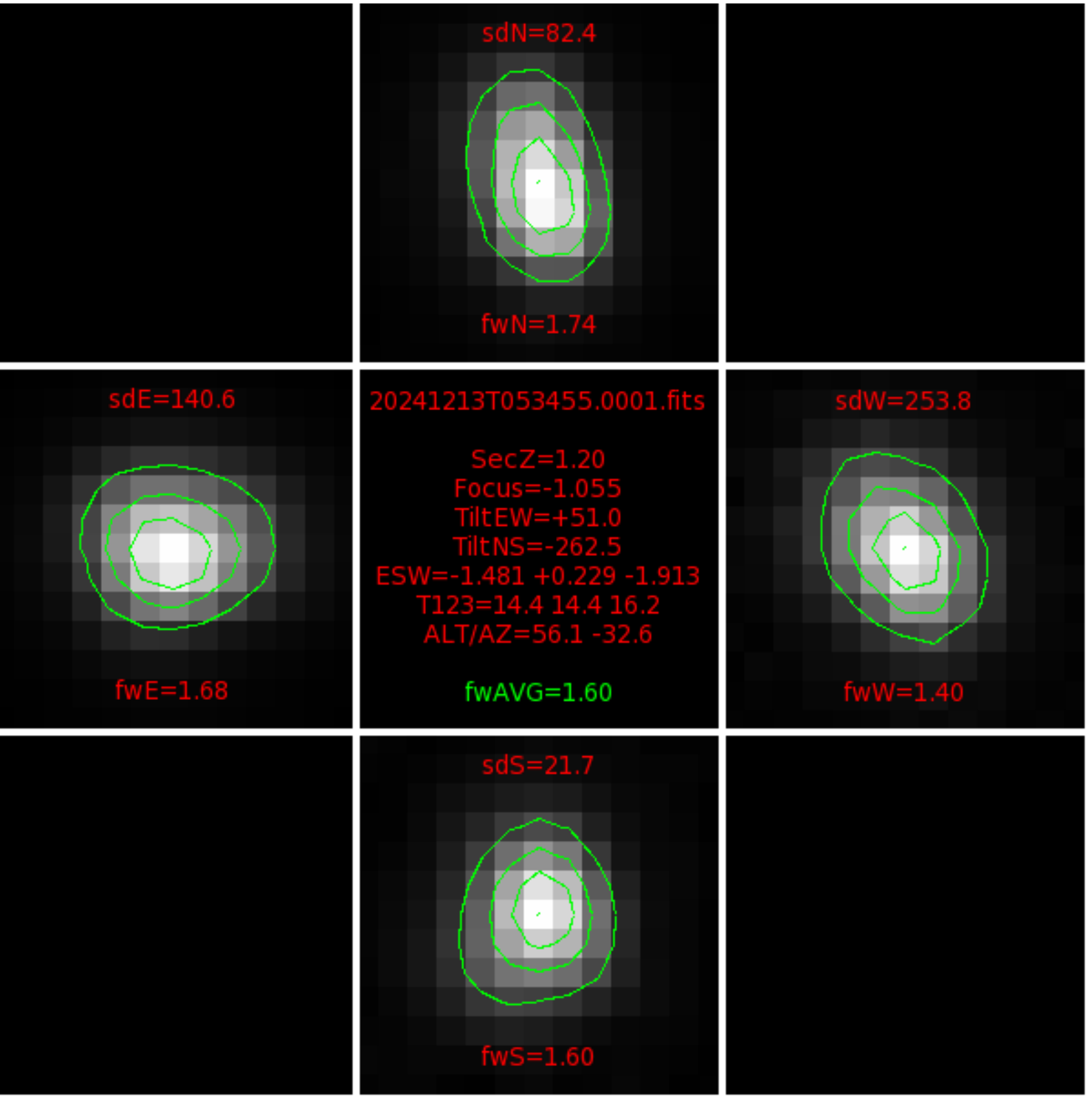
sdN=82.4
fwN=1.74
sdE=140.6
fwE=1.68
20241213T053455.0001.fits
SecZ=1.20
Focus=-1.055
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.481 +0.229 -1.913
T123=14.4 14.4 16.2
ALT/AZ=56.1 -32.6
fwAVG=1.60
sdW=253.8
fwW=1.40
sdS=21.7
fwS=1.60
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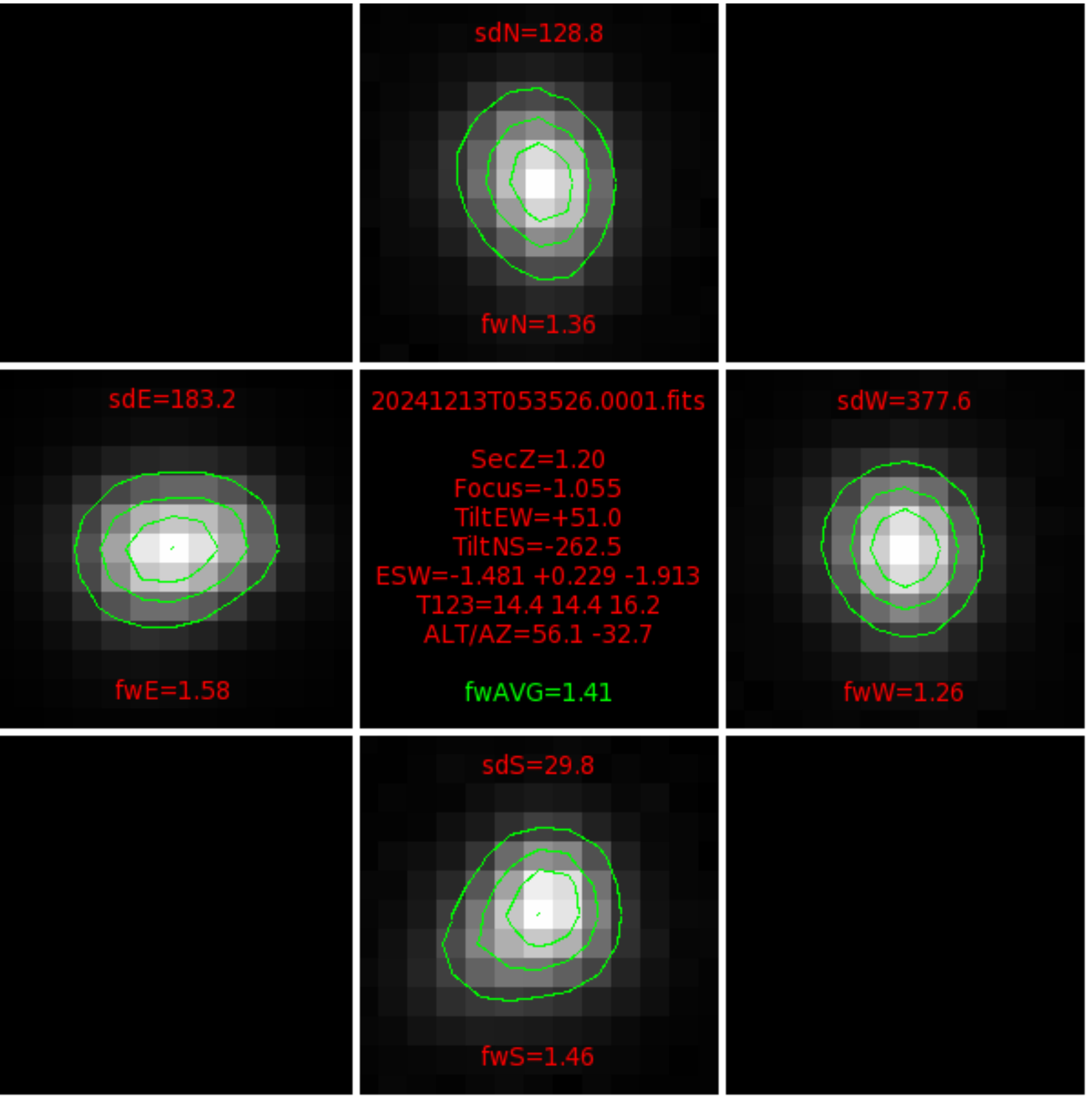
sdN=128.8
fwN=1.36
sdE=183.2
fwE=1.58
20241213T053526.0001.fits
SecZ=1.20
Focus=-1.055
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.481 +0.229 -1.913
T123=14.4 14.4 16.2
ALT/AZ=56.1 -32.7
fwAVG=1.41
sdW=377.6
fwW=1.26
sdS=29.8
fwS=1.46
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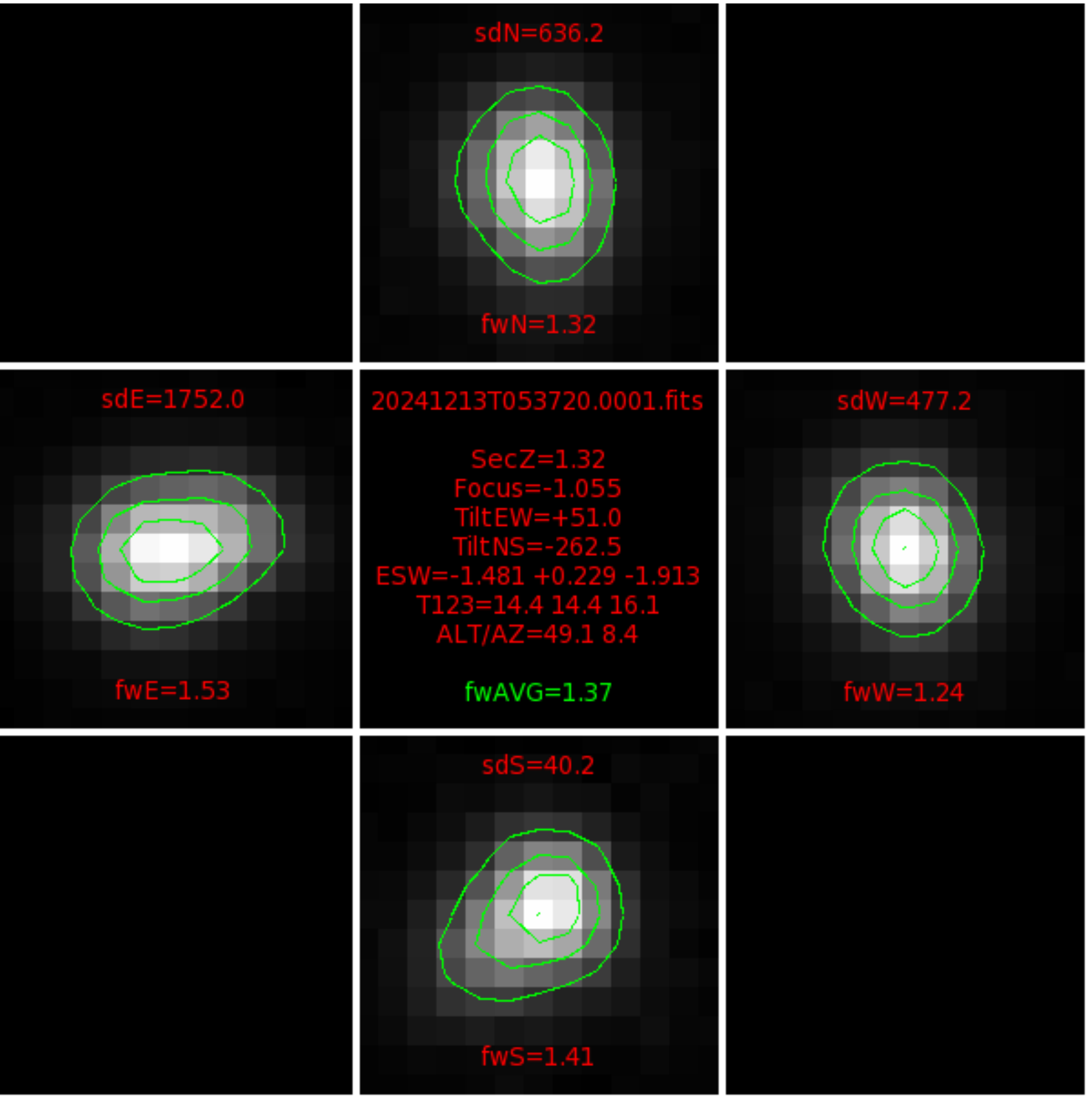
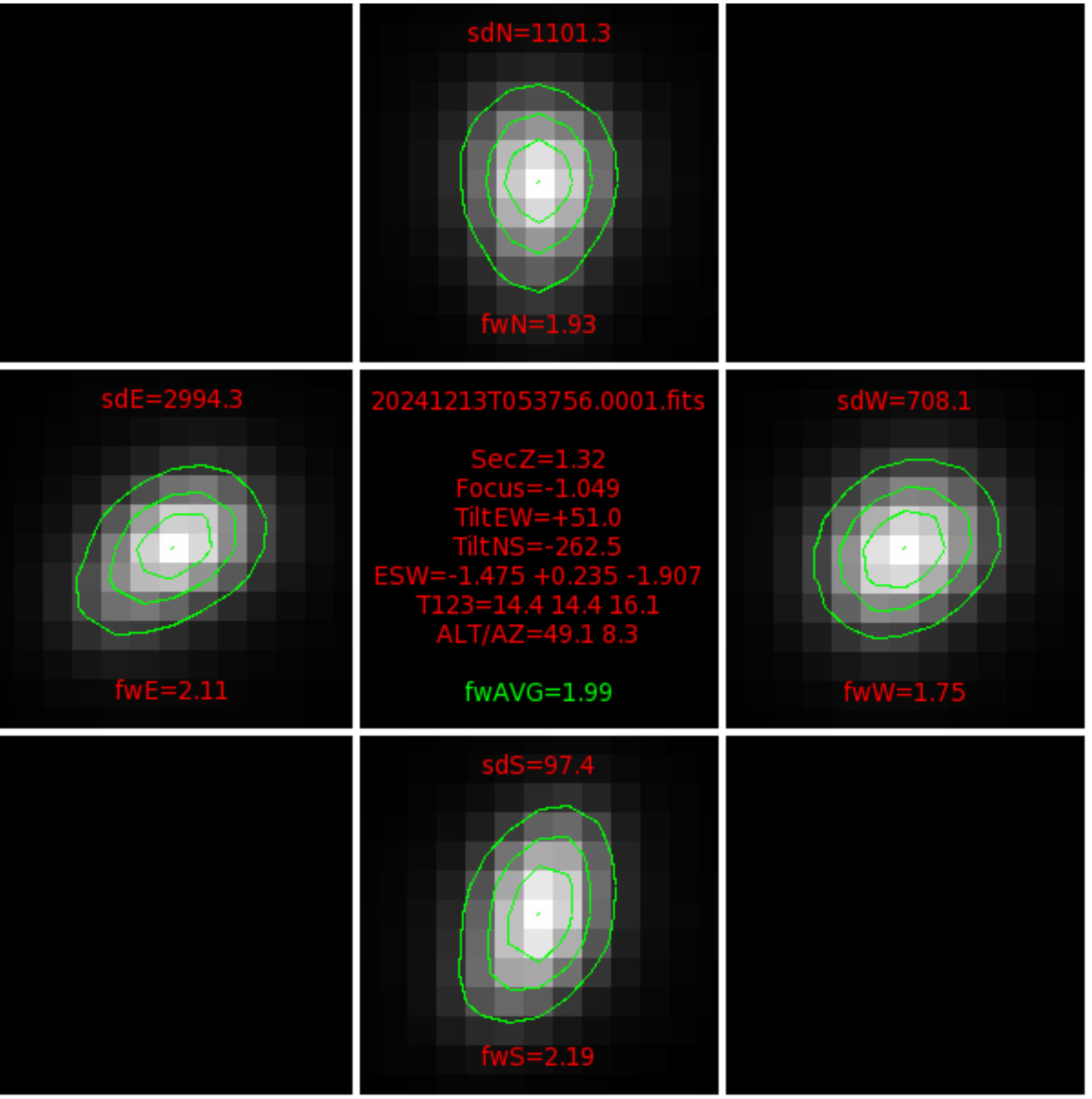

sdN=636.2
fwN=1.32
sdE=1752.0
fwE=1.53
20241213T053720.0001.fits
SecZ=1.32
Focus=-1.055
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.481 +0.229 -1.913
T123=14.4 14.4 16.1
ALT/AZ=49.1 8.4
fwAVG=1.37
sdW=477.2
fwW=1.24
sdS=40.2
fwS=1.41
0 0 0 0 0 0 0 0 0


sdN=1101.3
fwN=1.93
sdE=2994.3
fwE=2.11
20241213T053756.0001.fits
SecZ=1.32
Focus=-1.049
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.475 +0.235 -1.907
T123=14.4 14.4 16.1
ALT/AZ=49.1 8.3
fwAVG=1.99
sdW=708.1
fwW=1.75
sdS=97.4
fwS=2.19
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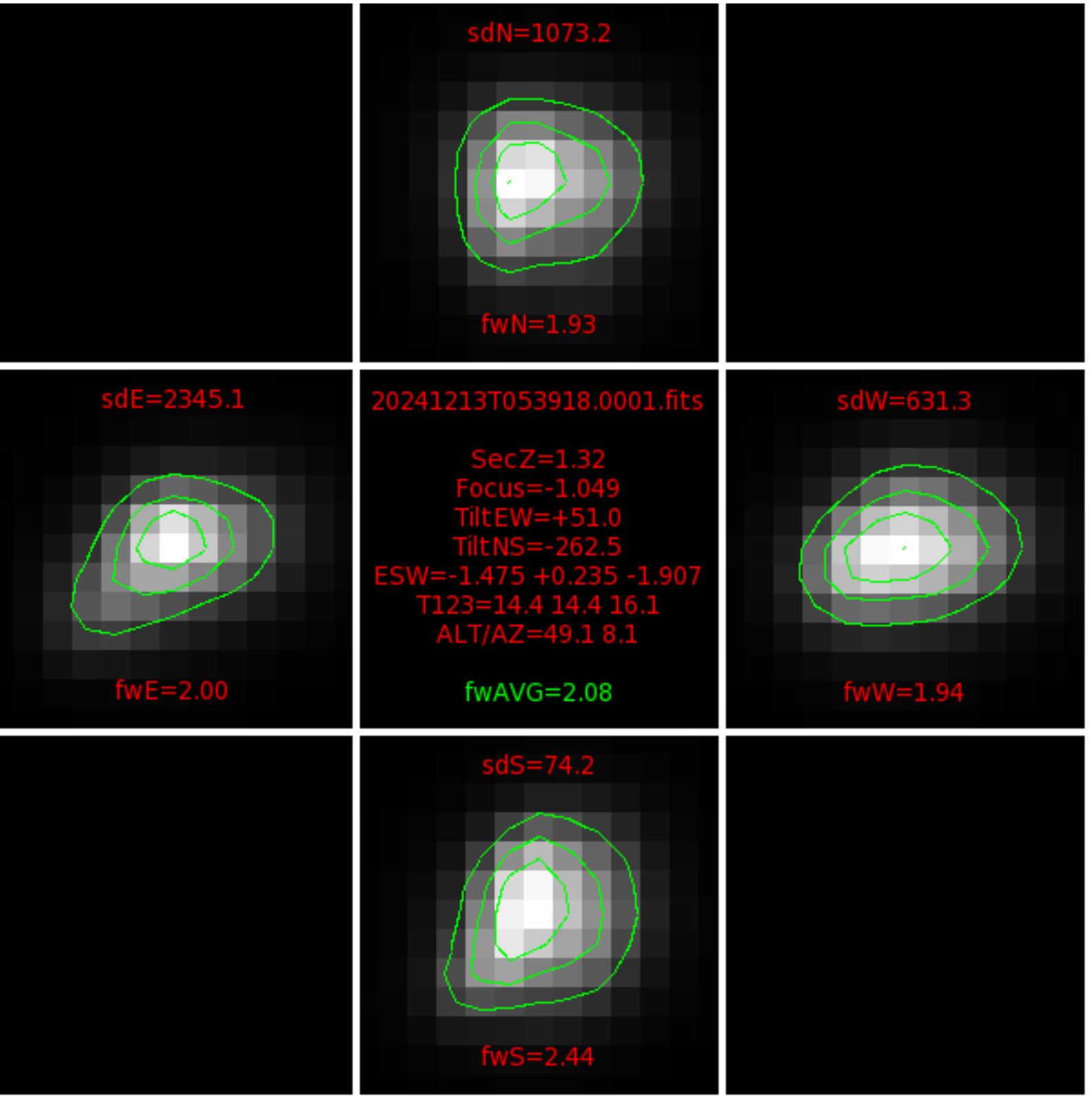
sdN=1073.2
fwN=1.93
sdE=2345.1
fwE=2.00
20241213T053918.0001.fits
SecZ=1.32
Focus=-1.049
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.475 +0.235 -1.907
T123=14.4 14.4 16.1
ALT/AZ=49.1 8.1
fwAVG=2.08
sdW=631.3
fwW=1.94
sdS=74.2
fwS=2.44
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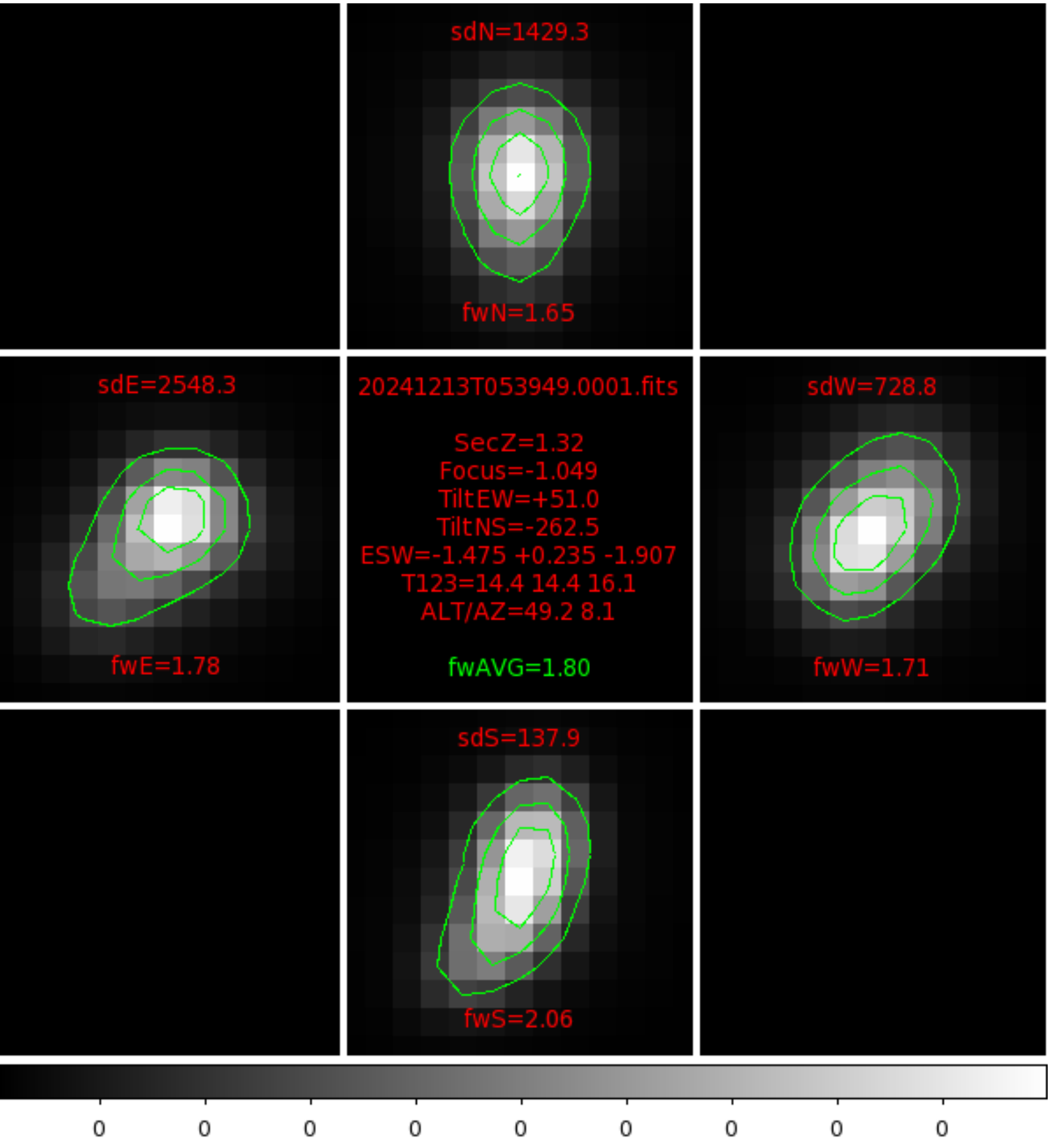
sdN=1429.3
fwN=1.65
sdE=2548.3
fwE=1.78
20241213T053949.0001.fits
SecZ=1.32
Focus=-1.049
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.475 +0.235 -1.907
T123=14.4 14.4 16.1
ALT/AZ=49.2 8.1
fwAVG=1.80
sdW=728.8
fwW=1.71
sdS=137.9
fwS=2.06
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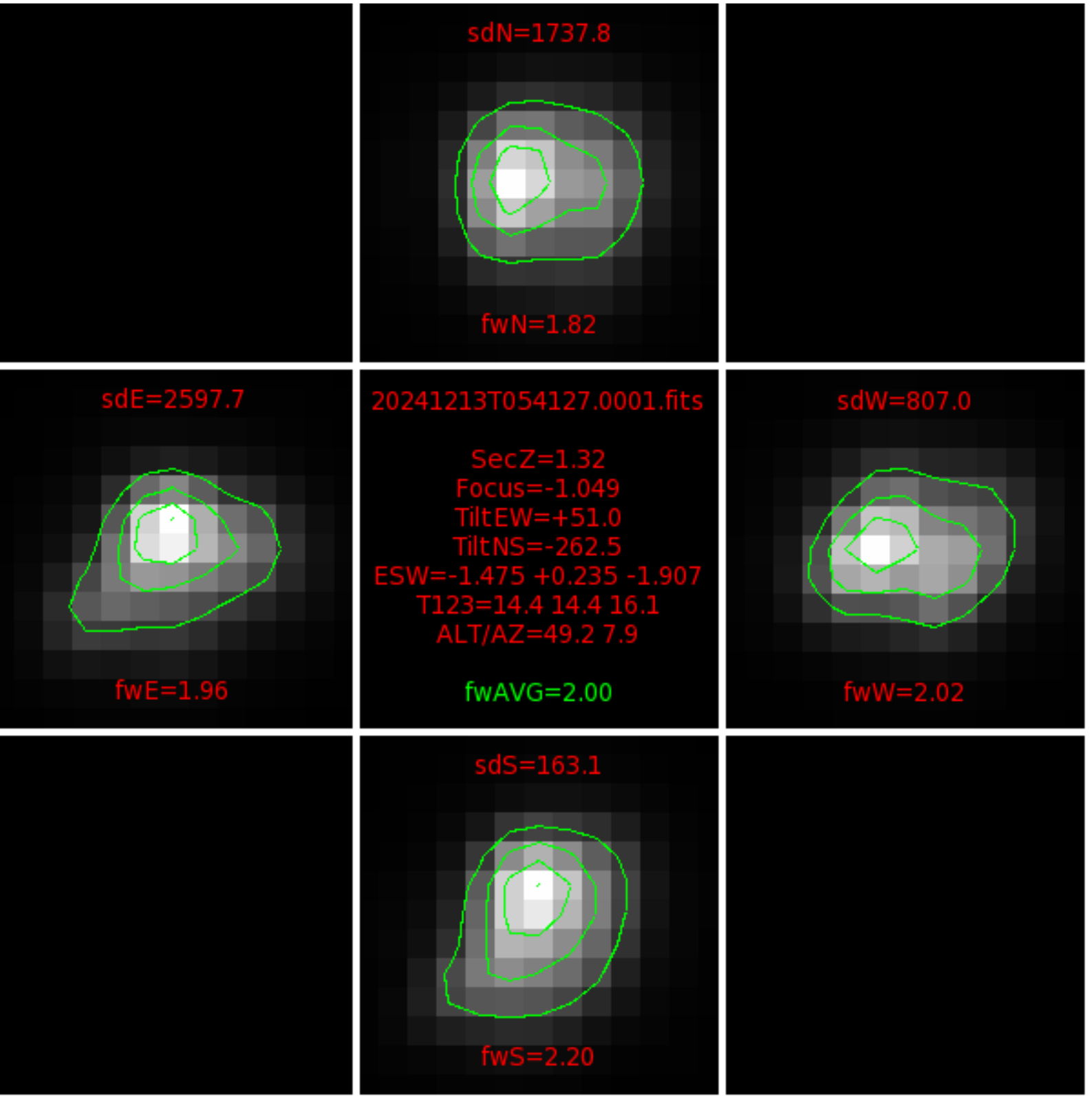
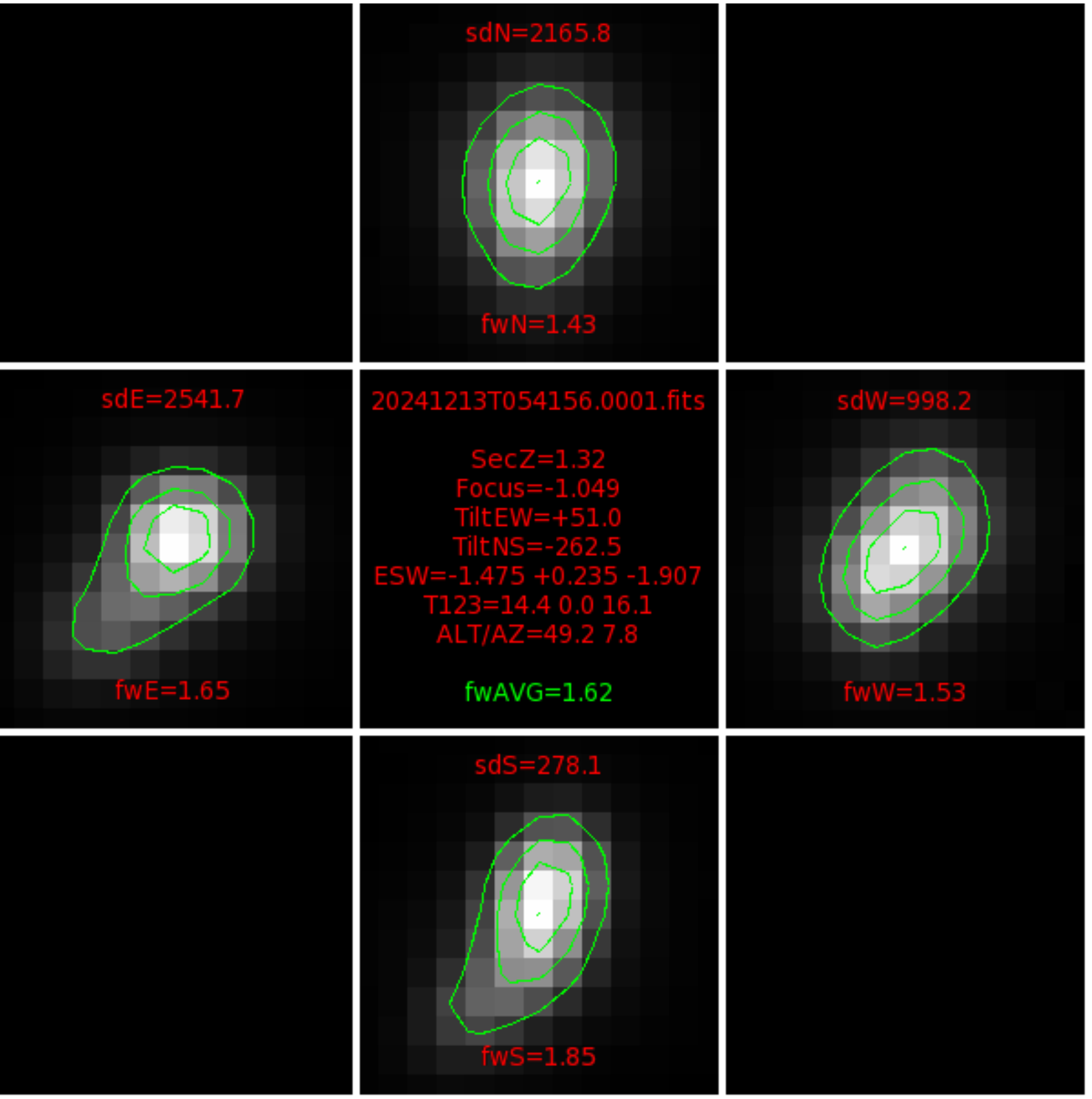
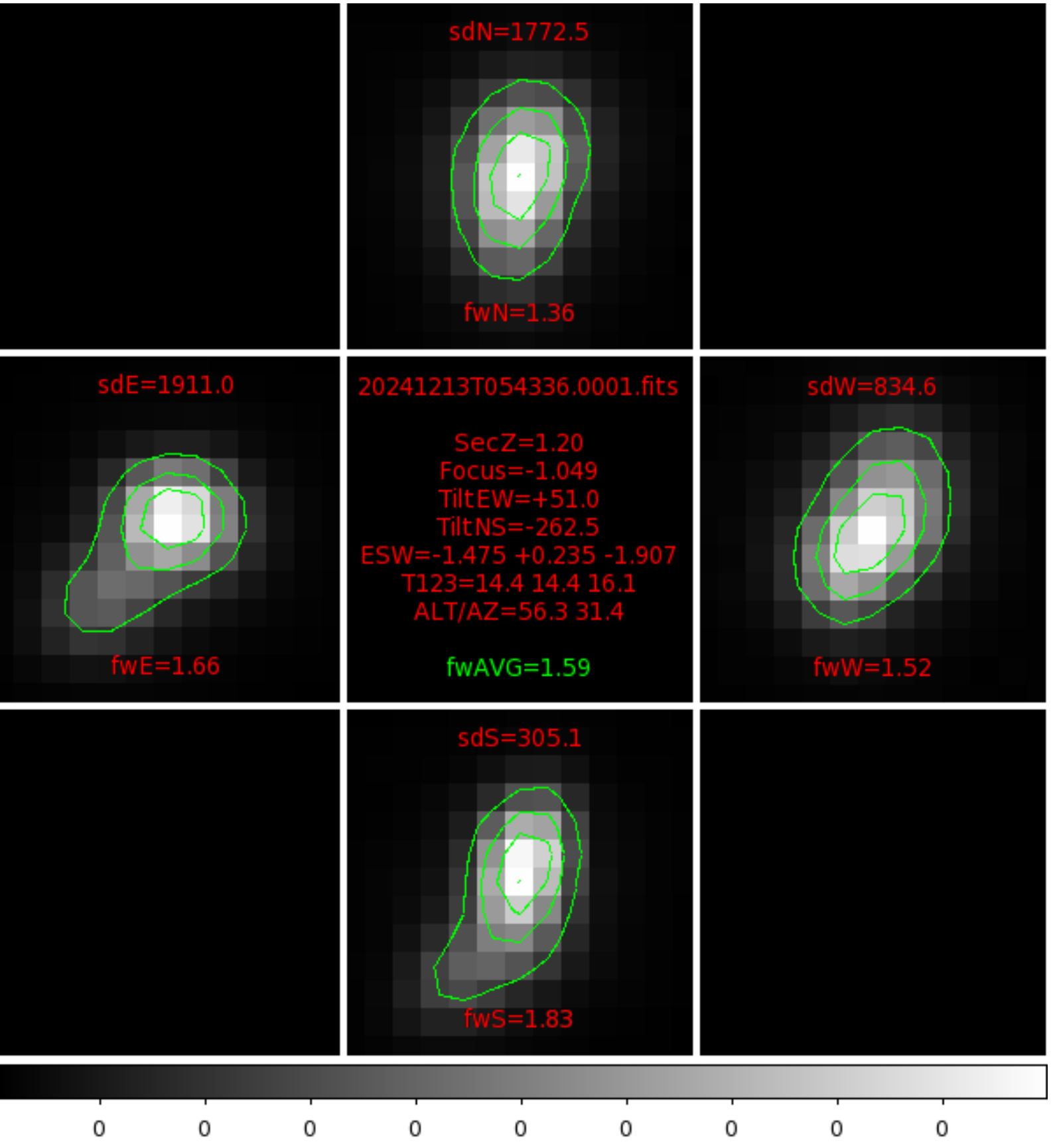

sdN=1737.8
fwN=1.82
sdE=2597.7
fwE=1.96
20241213T054127.0001.fits
SecZ=1.32
Focus=-1.049
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.475 +0.235 -1.907
T123=14.4 14.4 16.1
ALT/AZ=49.2 7.9
fwAVG=2.00
sdW=807.0
fwW=2.02
sdS=163.1
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=2165.8
fwN=1.43
sdE=2541.7
fwE=1.65
20241213T054156.0001.fits
SecZ=1.32
Focus=-1.049
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.475 +0.235 -1.907
T123=14.4 0.0 16.1
ALT/AZ=49.2 7.8
fwAVG=1.62
sdW=998.2
fwW=1.53
sdS=278.1
fwS=1.85
0 0 0 0 0 0 0 0 0


sdN=1772.5
fwN=1.36
sdE=1911.0
fwE=1.66
20241213T054336.0001.fits
SecZ=1.20
Focus=-1.049
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.475 +0.235 -1.907
T123=14.4 14.4 16.1
ALT/AZ=56.3 31.4
fwAVG=1.59
sdW=834.6
fwW=1.52
sdS=305.1
fwS=1.83
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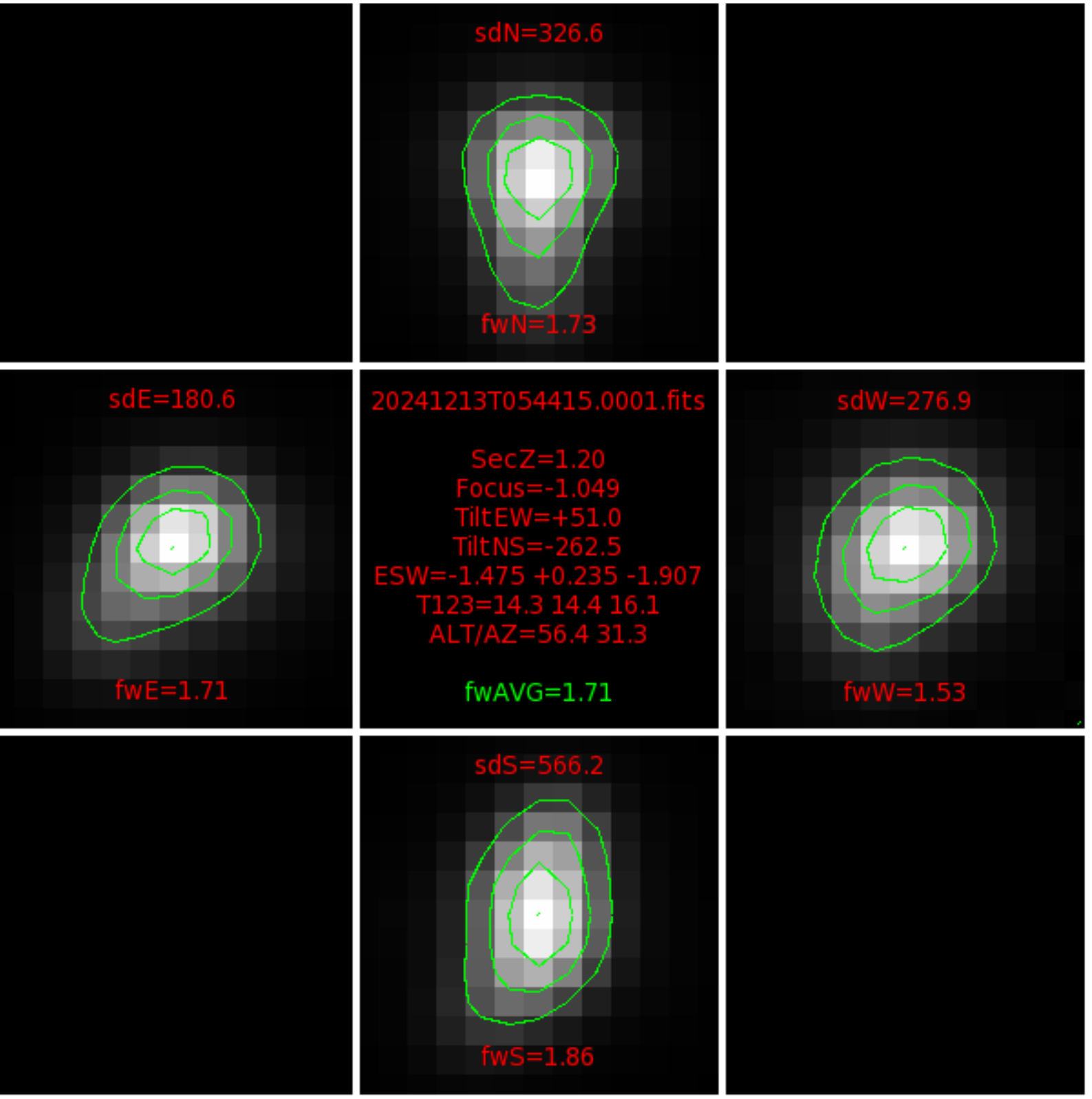
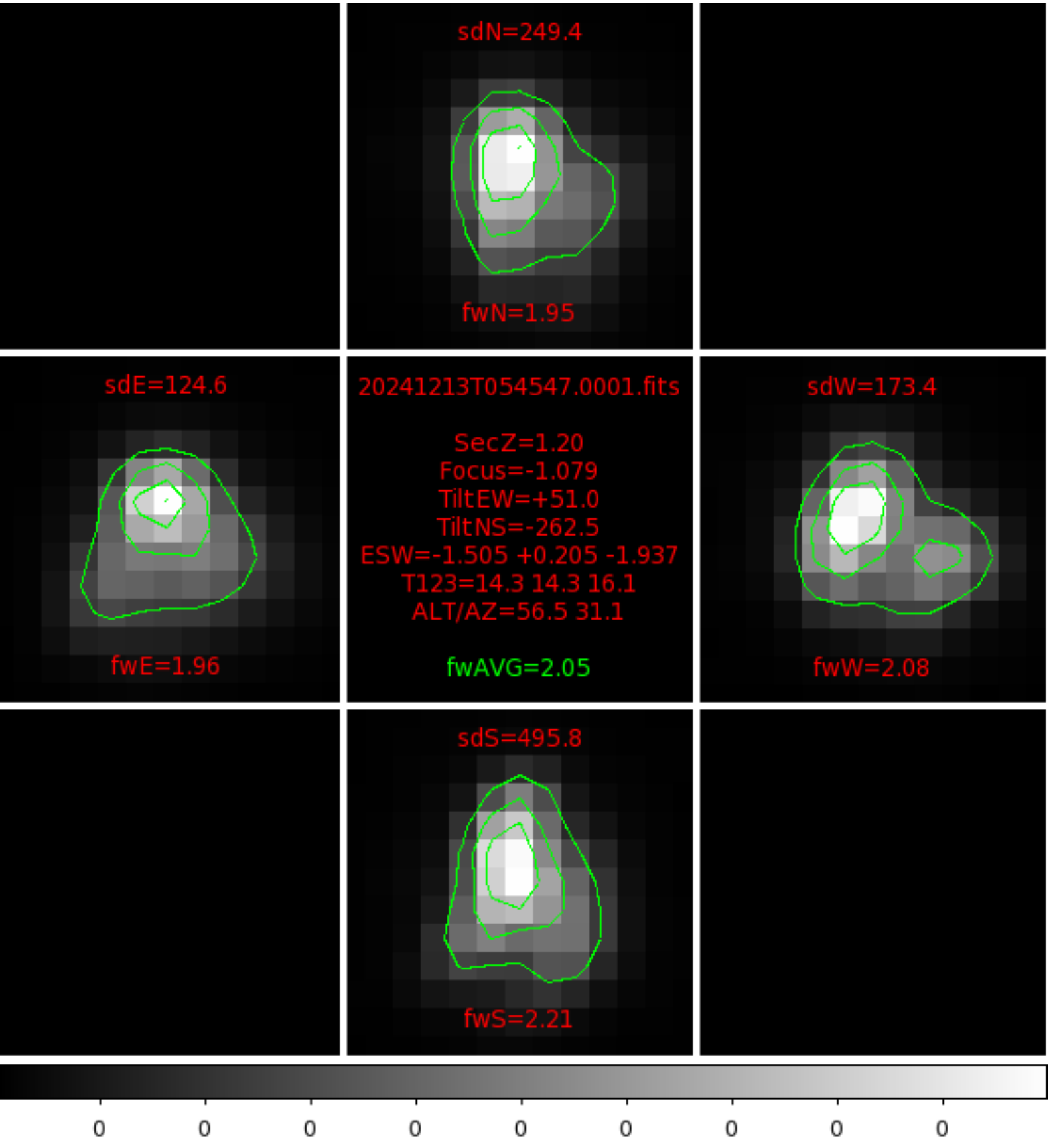

sdN=326.6
fwN=1.73
sdE=180.6
fwE=1.71
20241213T054415.0001.fits
SecZ=1.20
Focus=-1.049
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.475 +0.235 -1.907
T123=14.3 14.4 16.1
ALT/AZ=56.4 31.3
fwAVG=1.71
sdW=276.9
fwW=1.53
sdS=566.2
fwS=1.86
0 0 0 0 0 0 0 0 0


sdN=249.4
fwN=1.95
sdE=124.6
fwE=1.96
20241213T054547.0001.fits
SecZ=1.20
Focus=-1.079
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.505 +0.205 -1.937
T123=14.3 14.3 16.1
ALT/AZ=56.5 31.1
fwAVG=2.05
sdW=173.4
fwW=2.08
sdS=495.8
fwS=2.21
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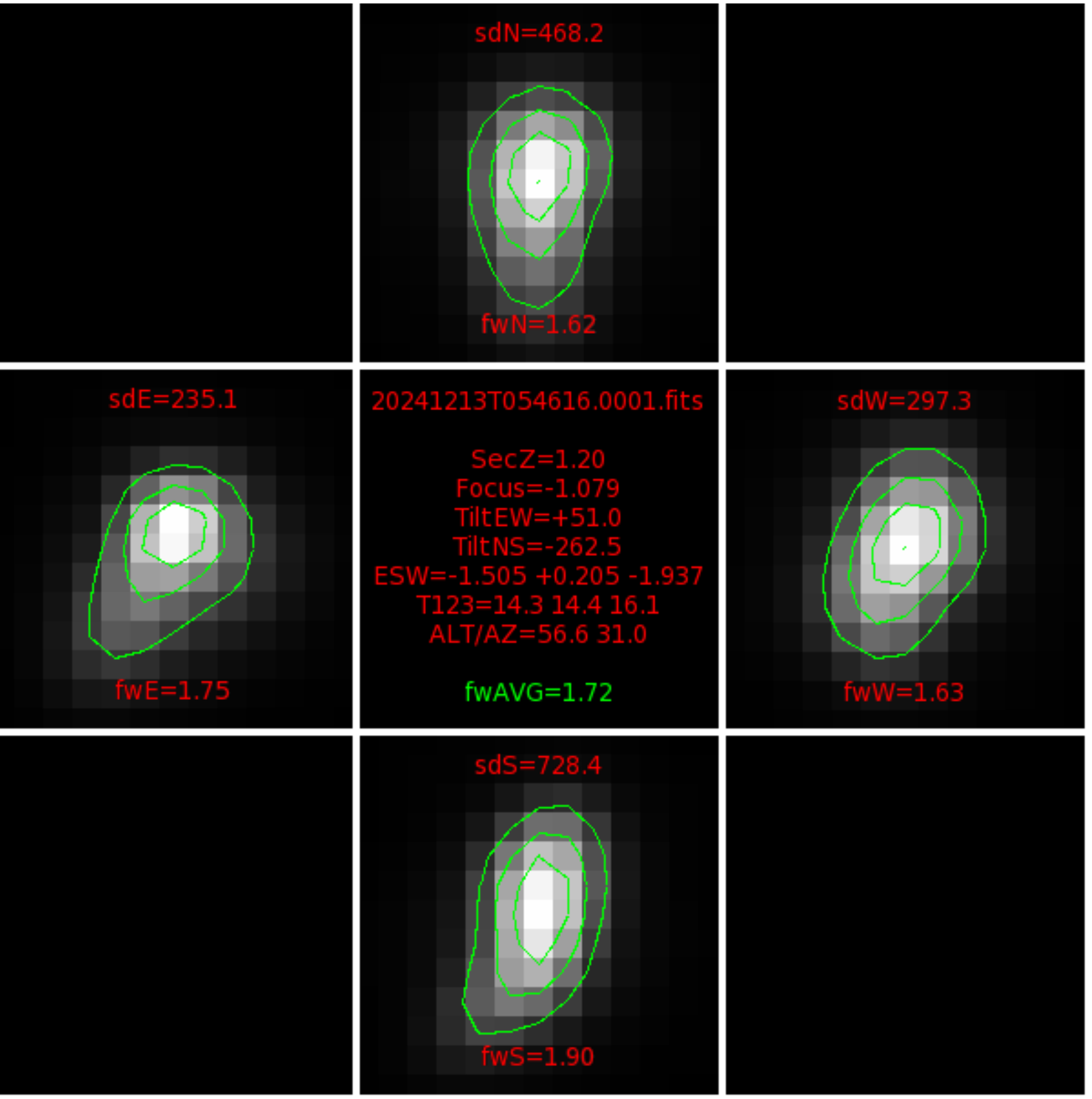
sdN=468.2
fwN=1.62
sdE=235.1
fwE=1.75
20241213T054616.0001.fits
SecZ=1.20
Focus=-1.079
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.505 +0.205 -1.937
T123=14.3 14.4 16.1
ALT/AZ=56.6 31.0
fwAVG=1.72
sdW=297.3
fwW=1.63
sdS=728.4
fwS=1.90
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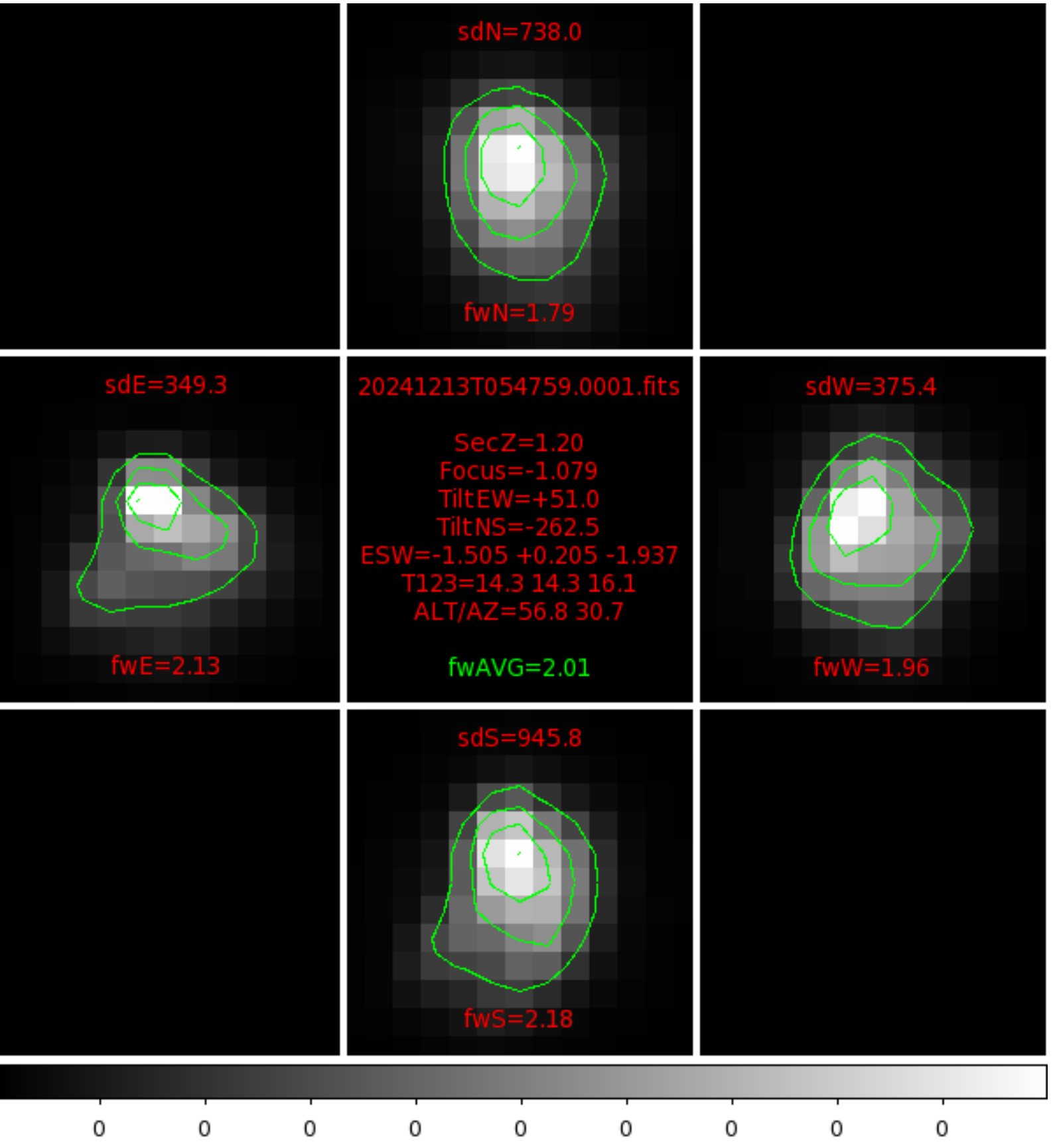
sdN=738.0
fwN=1.79
sdE=349.3
fwE=2.13
20241213T054759.0001.fits
SecZ=1.20
Focus=-1.079
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.505 +0.205 -1.937
T123=14.3 14.3 16.1
ALT/AZ=56.8 30.7
fwAVG=2.01
sdW=375.4
fwW=1.96
sdS=945.8
fwS=2.18
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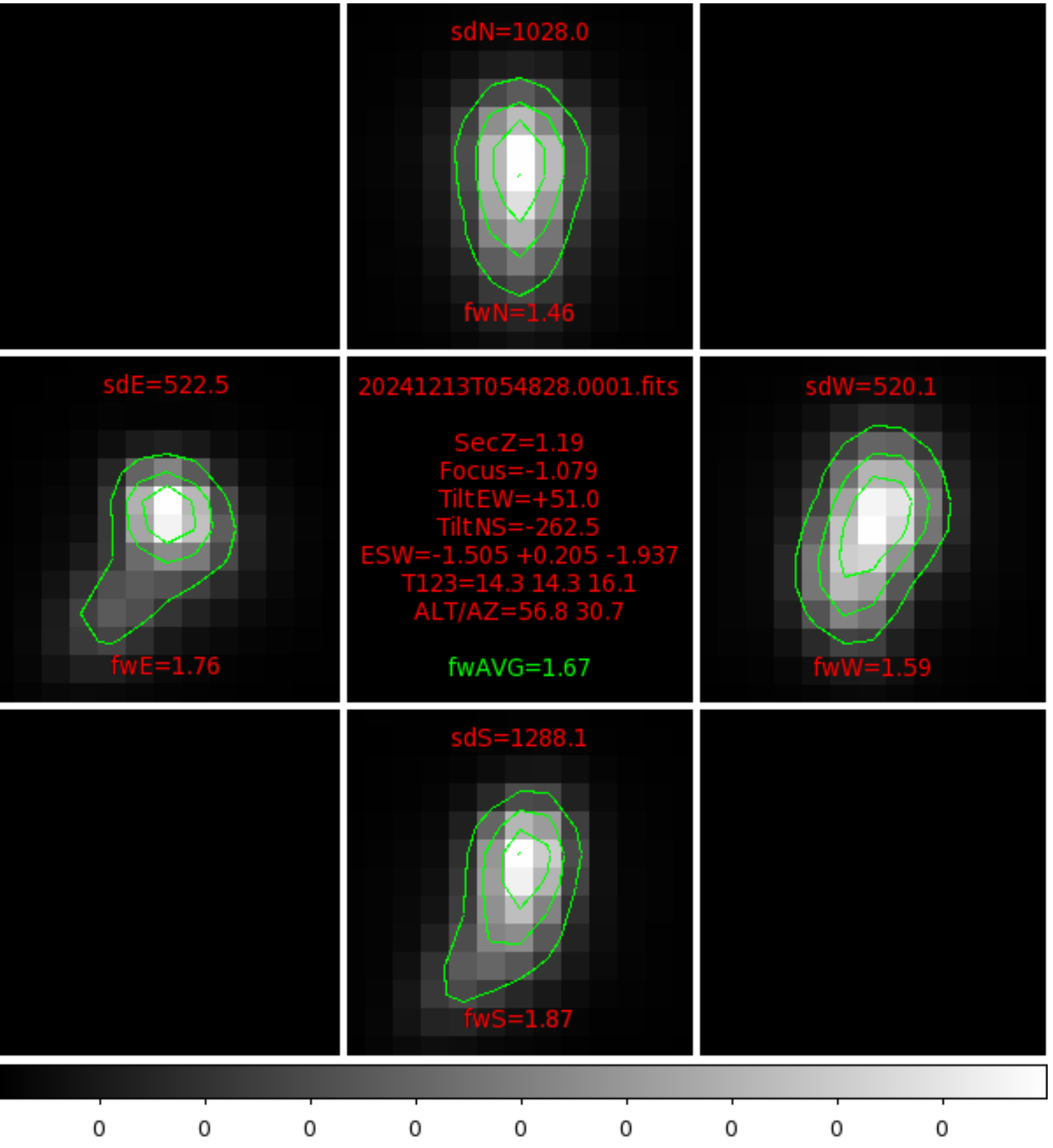
sdN=1028.0
fwN=1.46
sdE=522.5
fwE=1.76
20241213T054828.0001.fits
SecZ=1.19
Focus=-1.079
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.505 +0.205 -1.937
T123=14.3 14.3 16.1
ALT/AZ=56.8 30.7
fwAVG=1.67
sdW=520.1
fwW=1.59
sdS=1288.1
fwS=1.87
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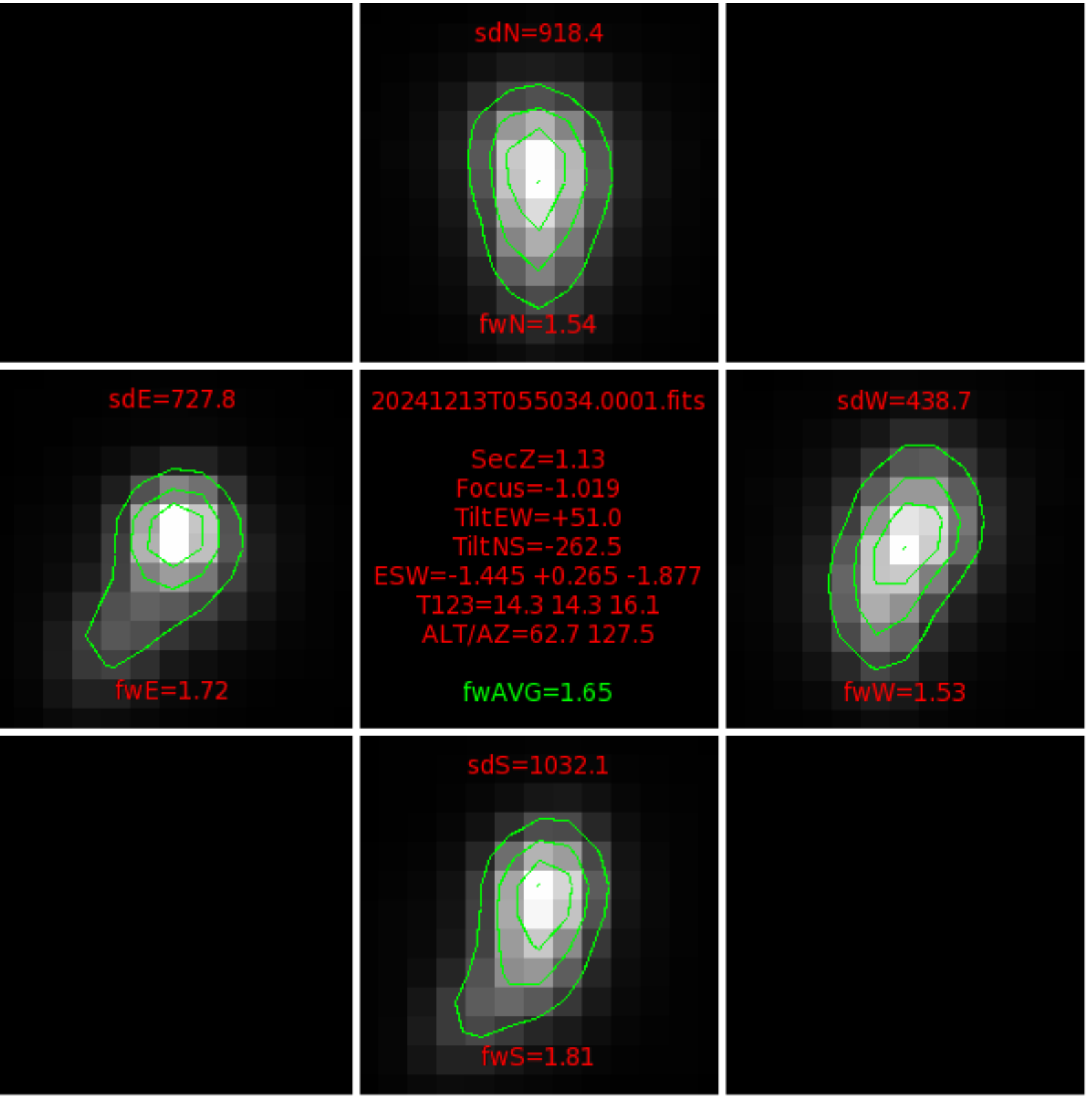
sdN=918.4
fwN=1.54
sdE=727.8
fwE=1.72
20241213T055034.0001.fits
SecZ=1.13
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.3 14.3 16.1
ALT/AZ=62.7 127.5
fwAVG=1.65
sdW=438.7
fwW=1.53
sdS=1032.1
fwS=1.81
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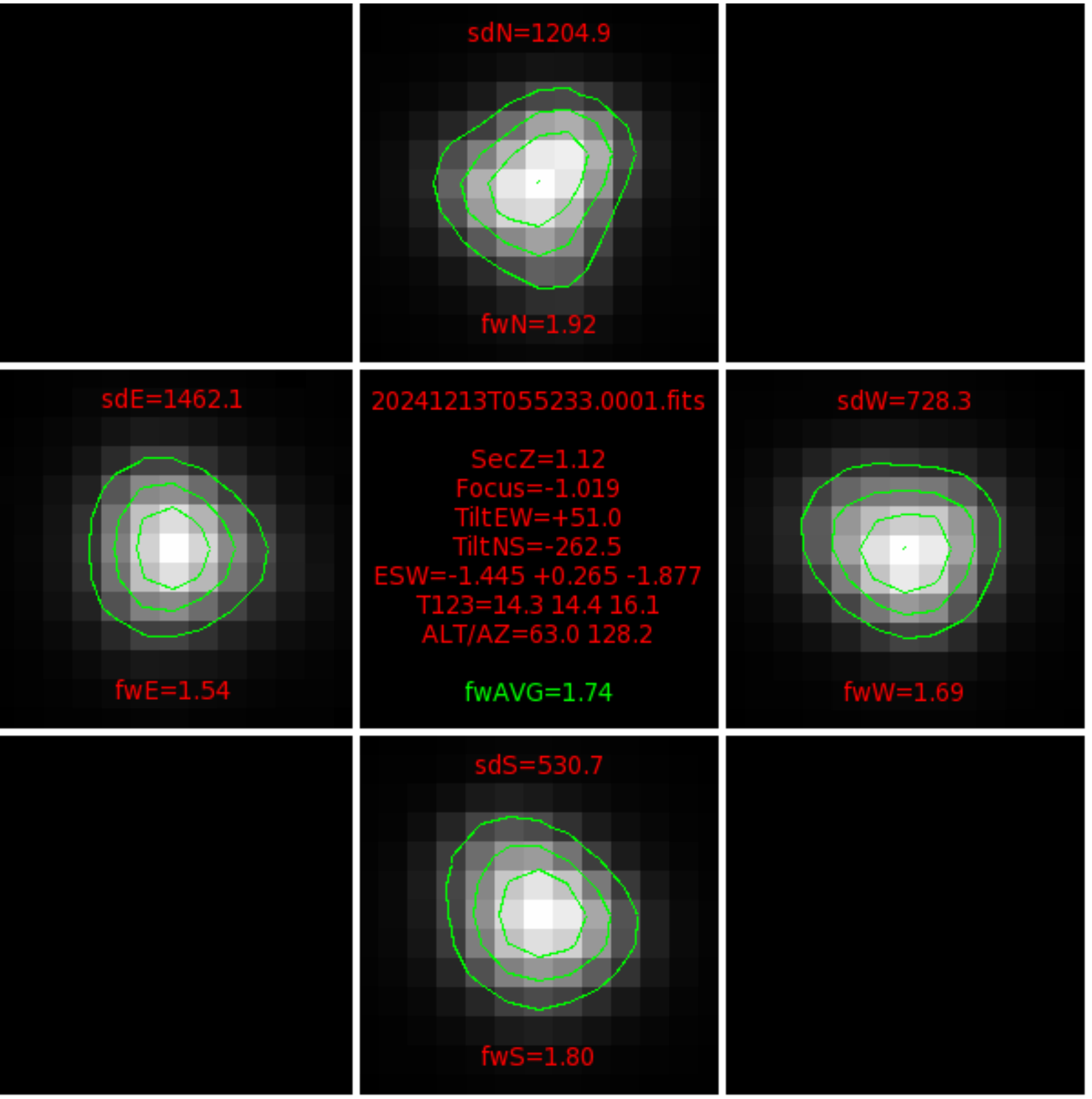
sdN=1204.9
fwN=1.92
sdE=1462.1
fwE=1.54
20241213T055233.0001.fits
SecZ=1.12
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.3 14.4 16.1
ALT/AZ=63.0 128.2
fwAVG=1.74
sdW=728.3
fwW=1.69
sdS=530.7
fwS=1.80
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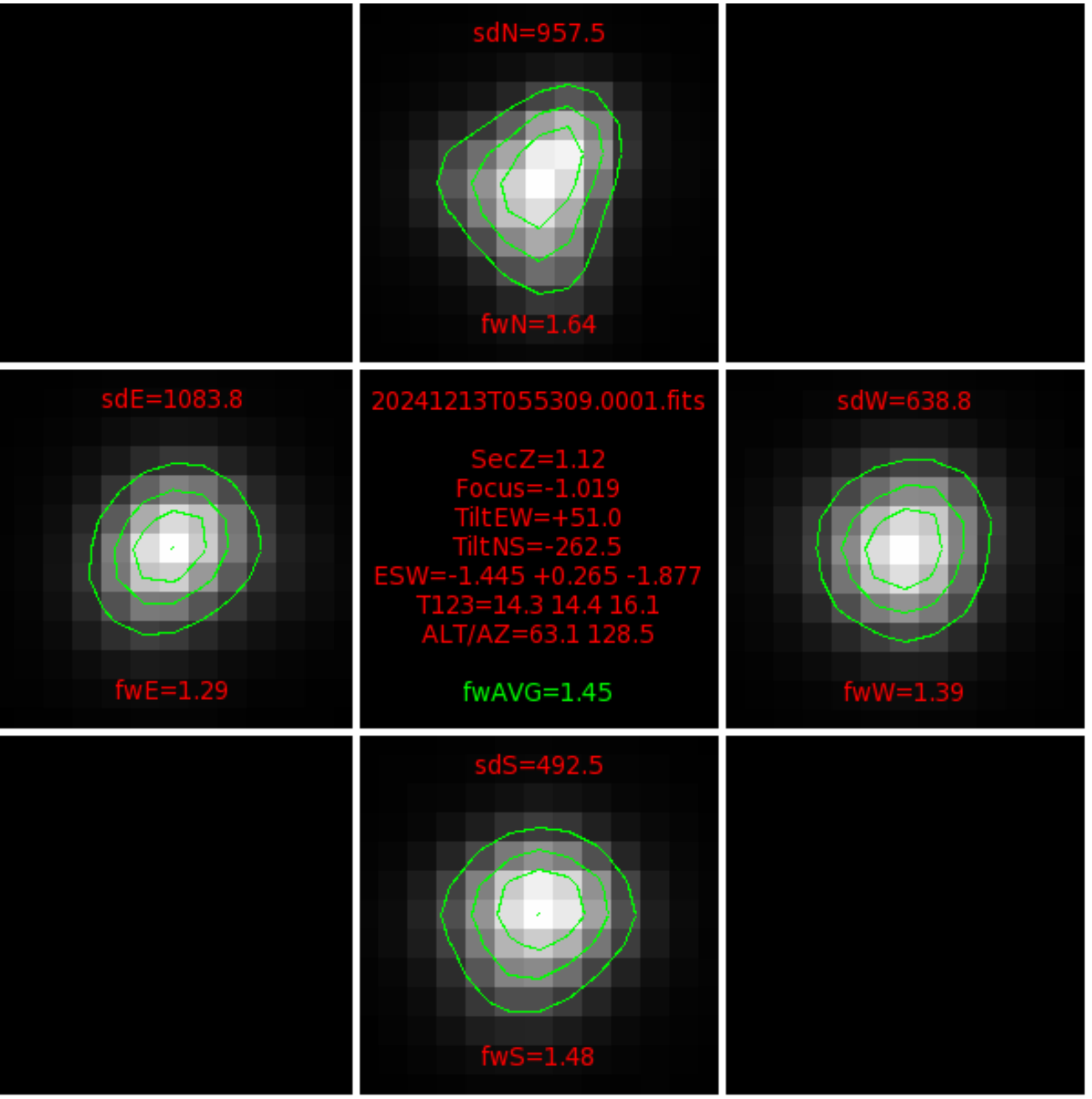
sdN=957.5
fwN=1.64
sdE=1083.8
fwE=1.29
20241213T055309.0001.fits
SecZ=1.12
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.3 14.4 16.1
ALT/AZ=63.1 128.5
fwAVG=1.45
sdW=638.8
fwW=1.39
sdS=492.5
fwS=1.48
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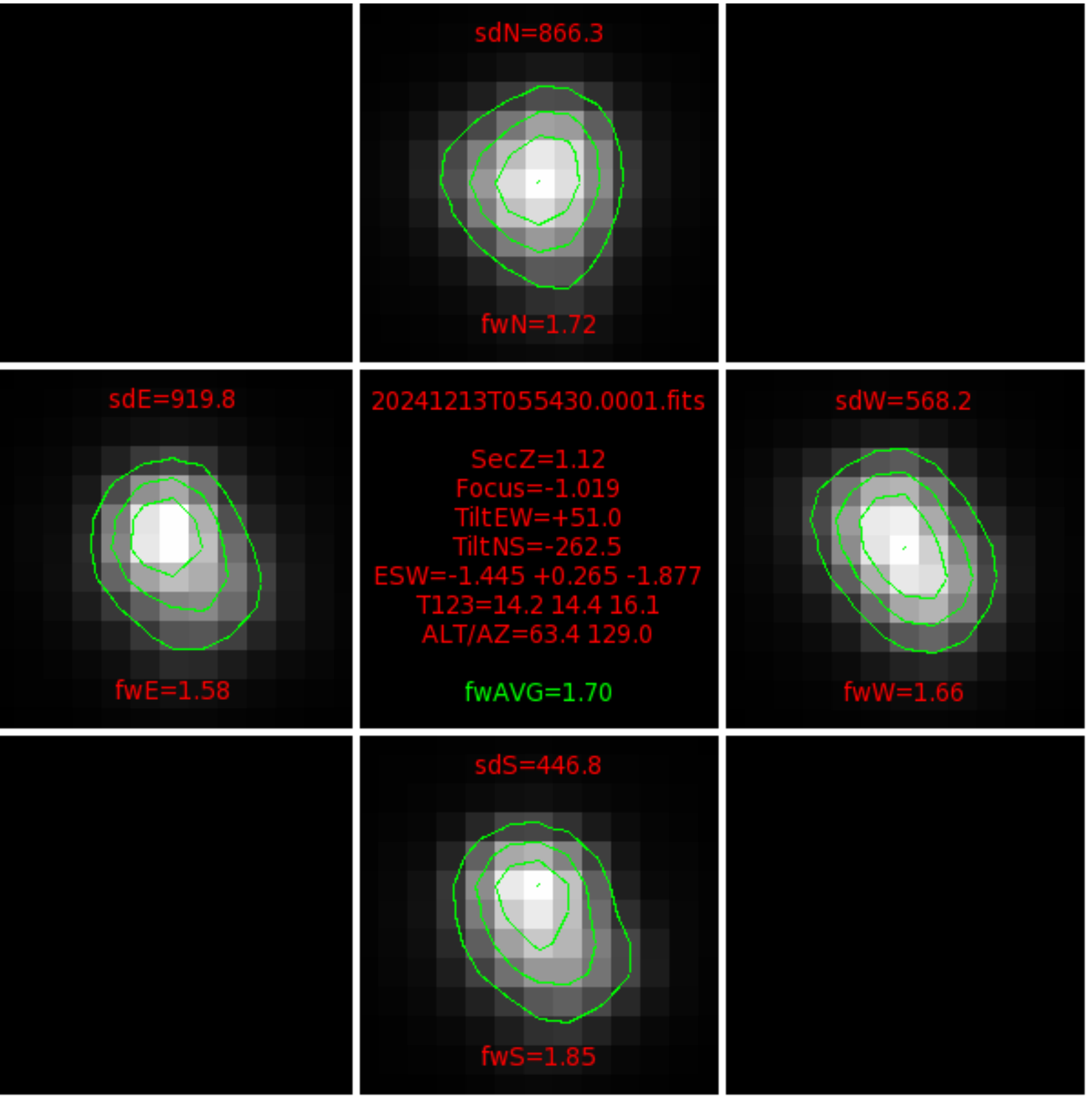
sdN=866.3
fwN=1.72
sdE=919.8
fwE=1.58
20241213T055430.0001.fits
SecZ=1.12
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.2 14.4 16.1
ALT/AZ=63.4 129.0
fwAVG=1.70
sdW=568.2
fwW=1.66
sdS=446.8
fwS=1.85
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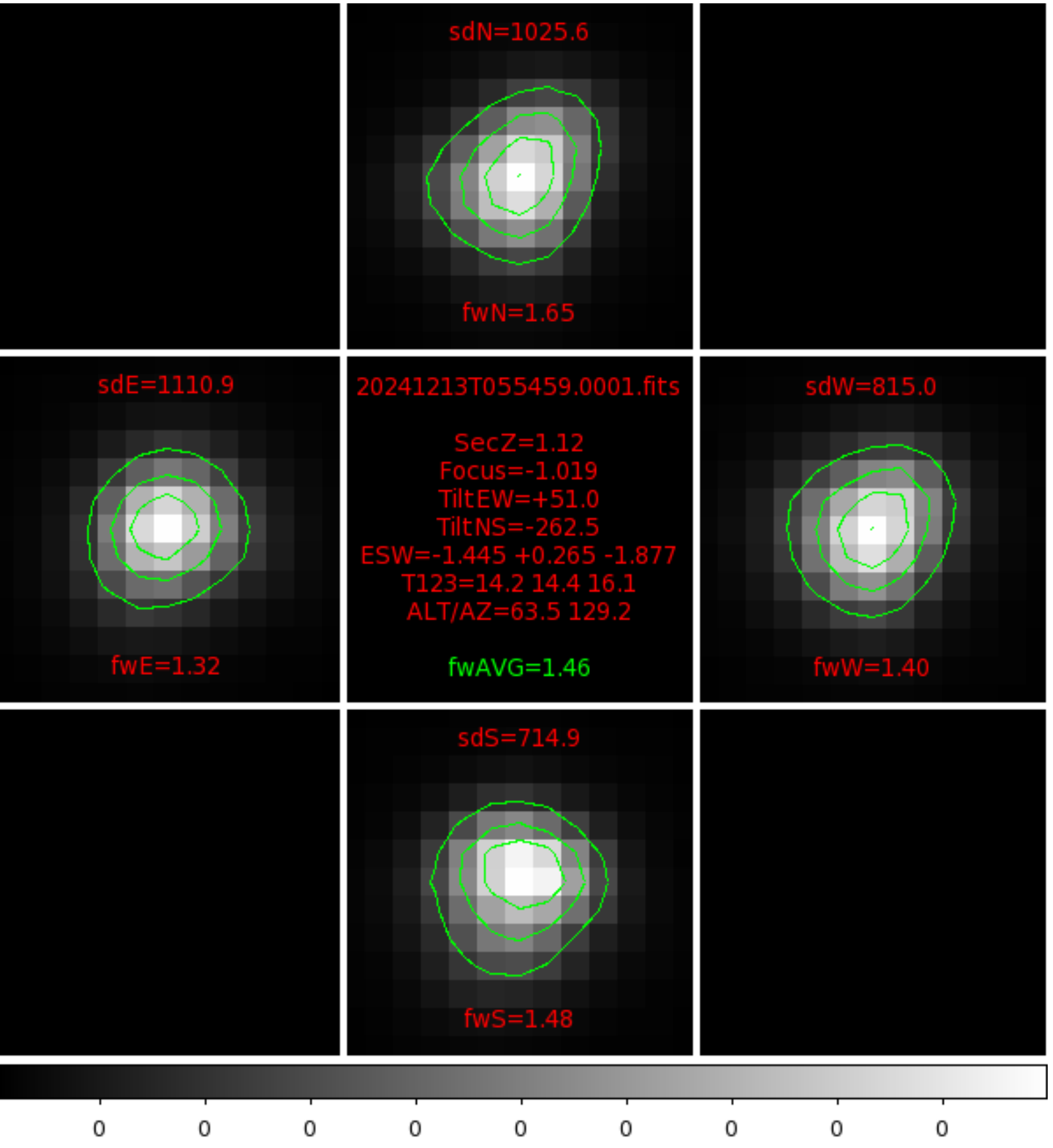
sdN=1025.6
fwN=1.65
sdE=1110.9
fwE=1.32
20241213T055459.0001.fits
SecZ=1.12
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.2 14.4 16.1
ALT/AZ=63.5 129.2
fwAVG=1.46
sdW=815.0
fwW=1.40
sdS=714.9
fwS=1.48
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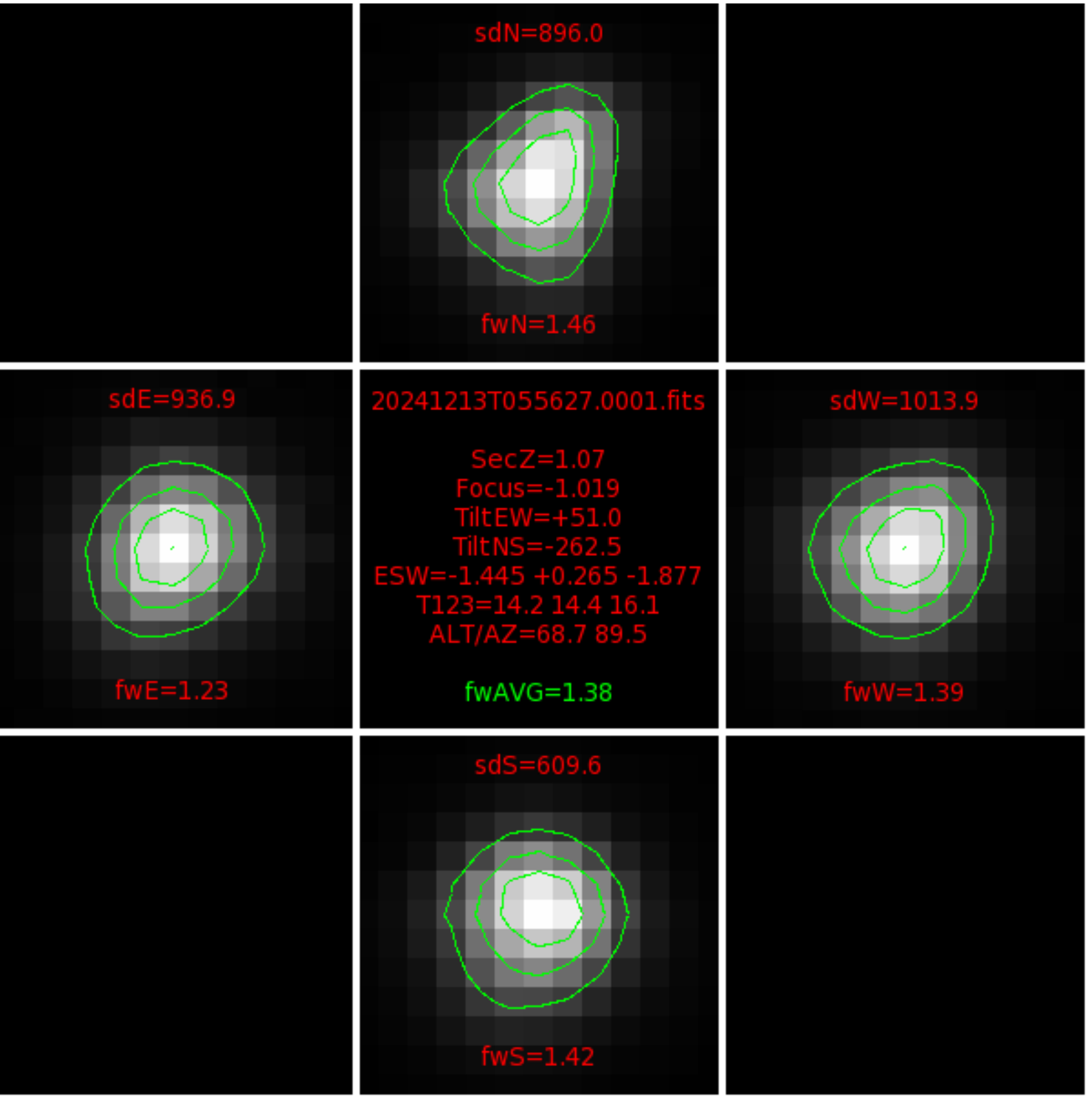
sdN=896.0
fwN=1.46
sdE=936.9
fwE=1.23
20241213T055627.0001.fits
SecZ=1.07
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.2 14.4 16.1
ALT/AZ=68.7 89.5
fwAVG=1.38
sdW=1013.9
fwW=1.39
sdS=609.6
fwS=1.42
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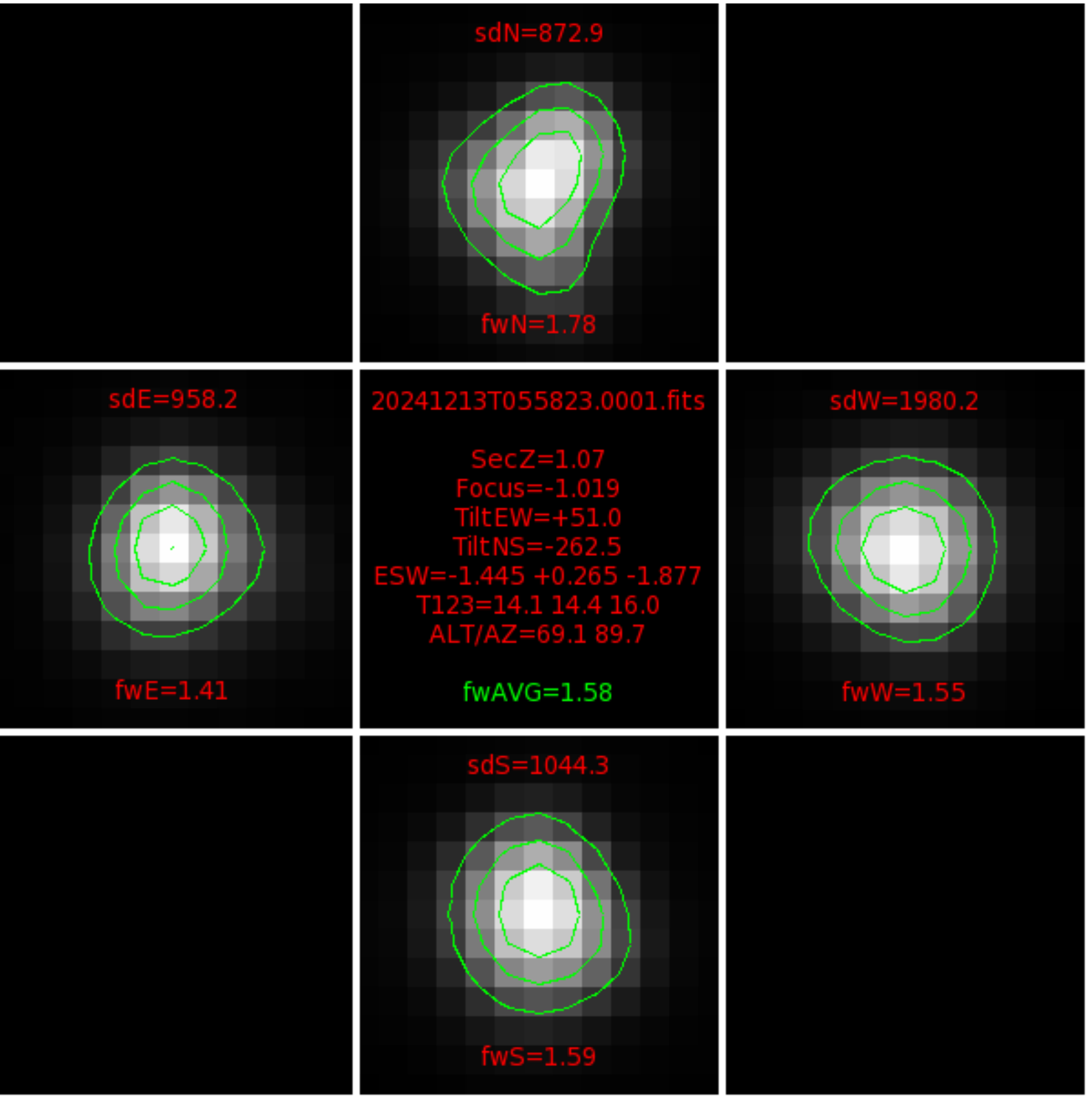
sdN=872.9
fwN=1.78
sdE=958.2
fwE=1.41
20241213T055823.0001.fits
SecZ=1.07
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.1 14.4 16.0
ALT/AZ=69.1 89.7
fwAVG=1.58
sdW=1980.2
fwW=1.55
sdS=1044.3
fwS=1.59
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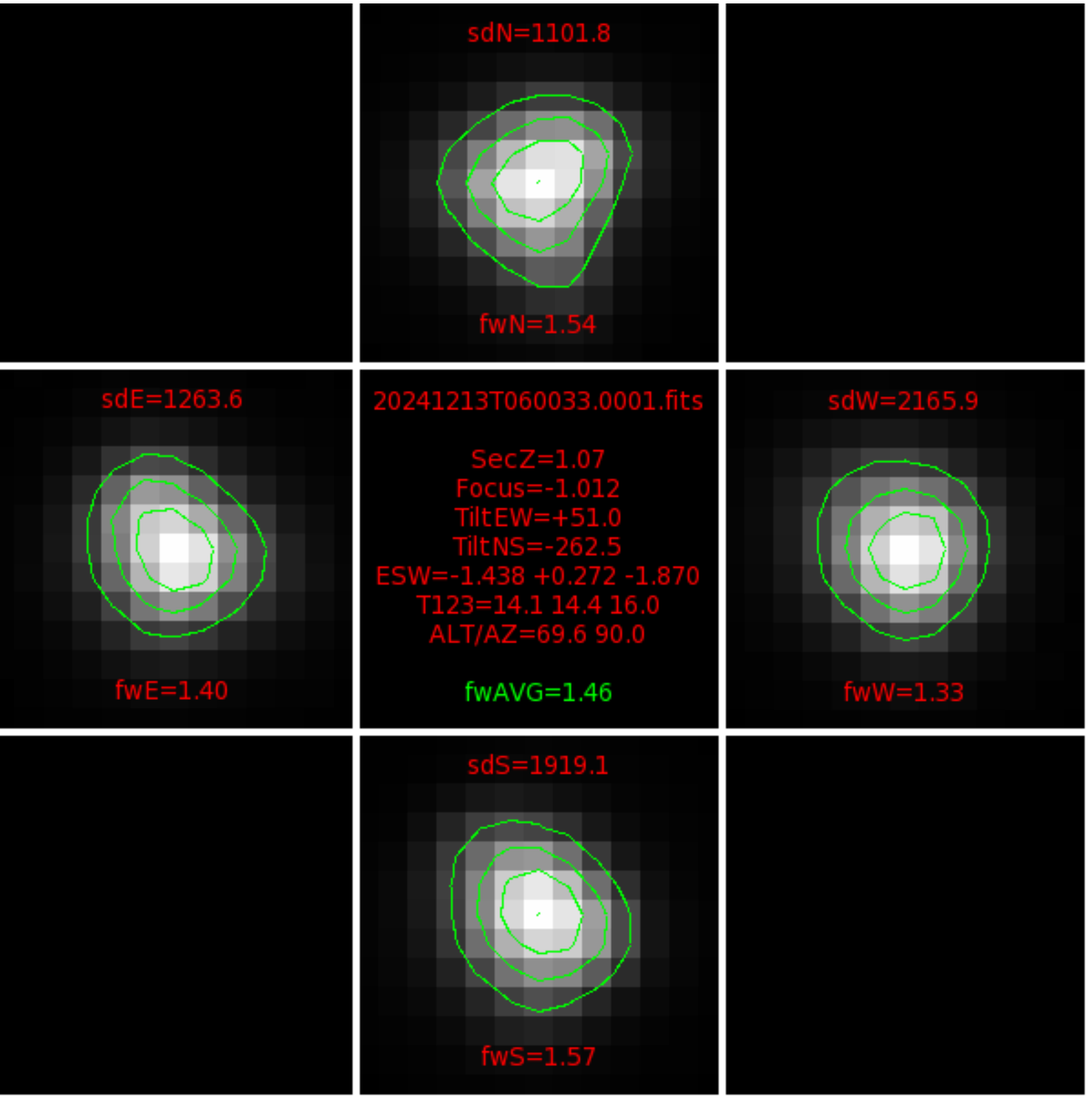
sdN=1101.8
fwN=1.54
sdE=1263.6
fwE=1.40
20241213T060033.0001.fits
SecZ=1.07
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.1 14.4 16.0
ALT/AZ=69.6 90.0
fwAVG=1.46
sdW=2165.9
fwW=1.33
sdS=1919.1
fwS=1.57
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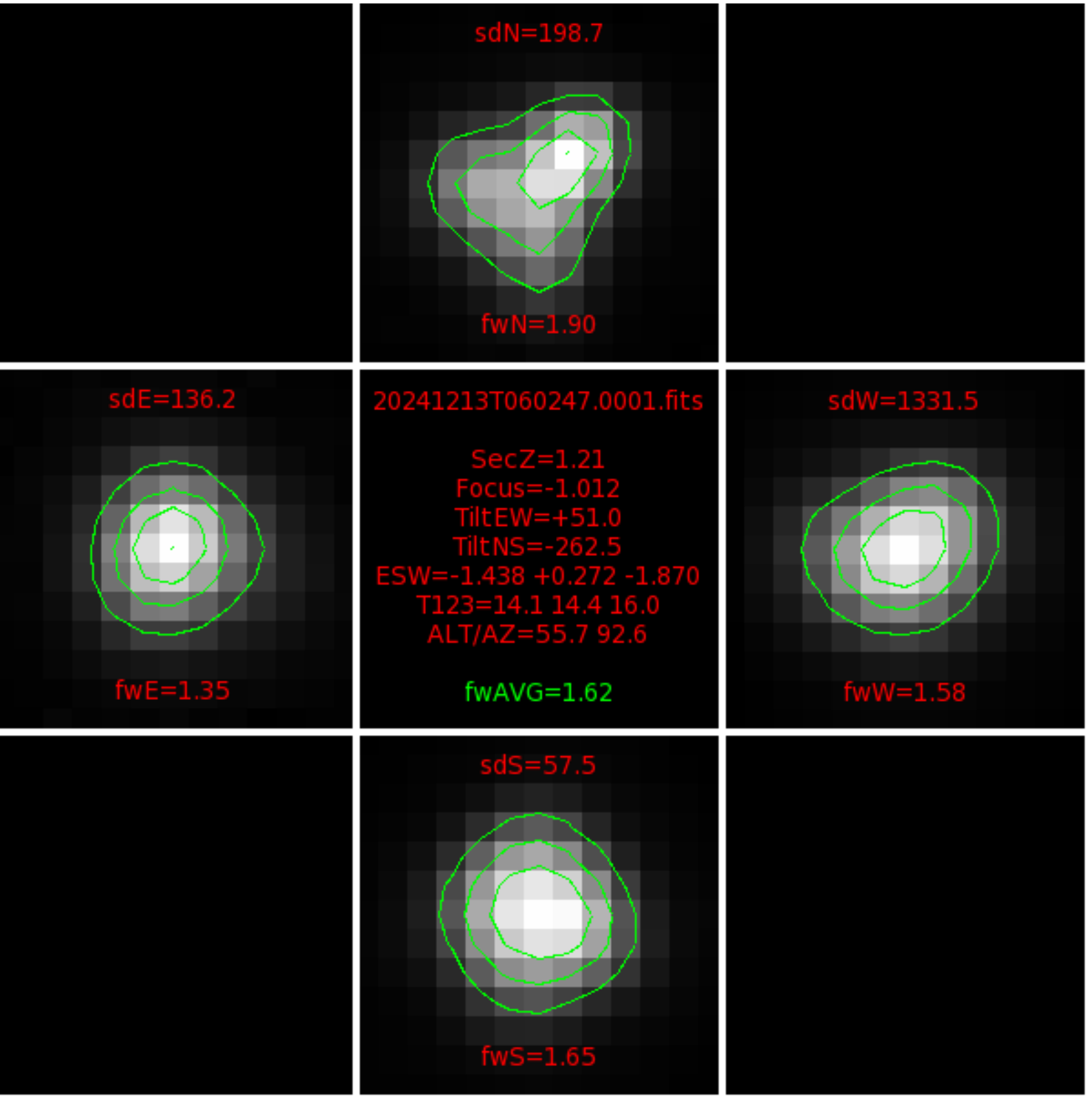
sdN=198.7
fwN=1.90
sdE=136.2
fwE=1.35
20241213T060247.0001.fits
SecZ=1.21
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.1 14.4 16.0
ALT/AZ=55.7 92.6
fwAVG=1.62
sdW=1331.5
fwW=1.58
sdS=57.5
fwS=1.65
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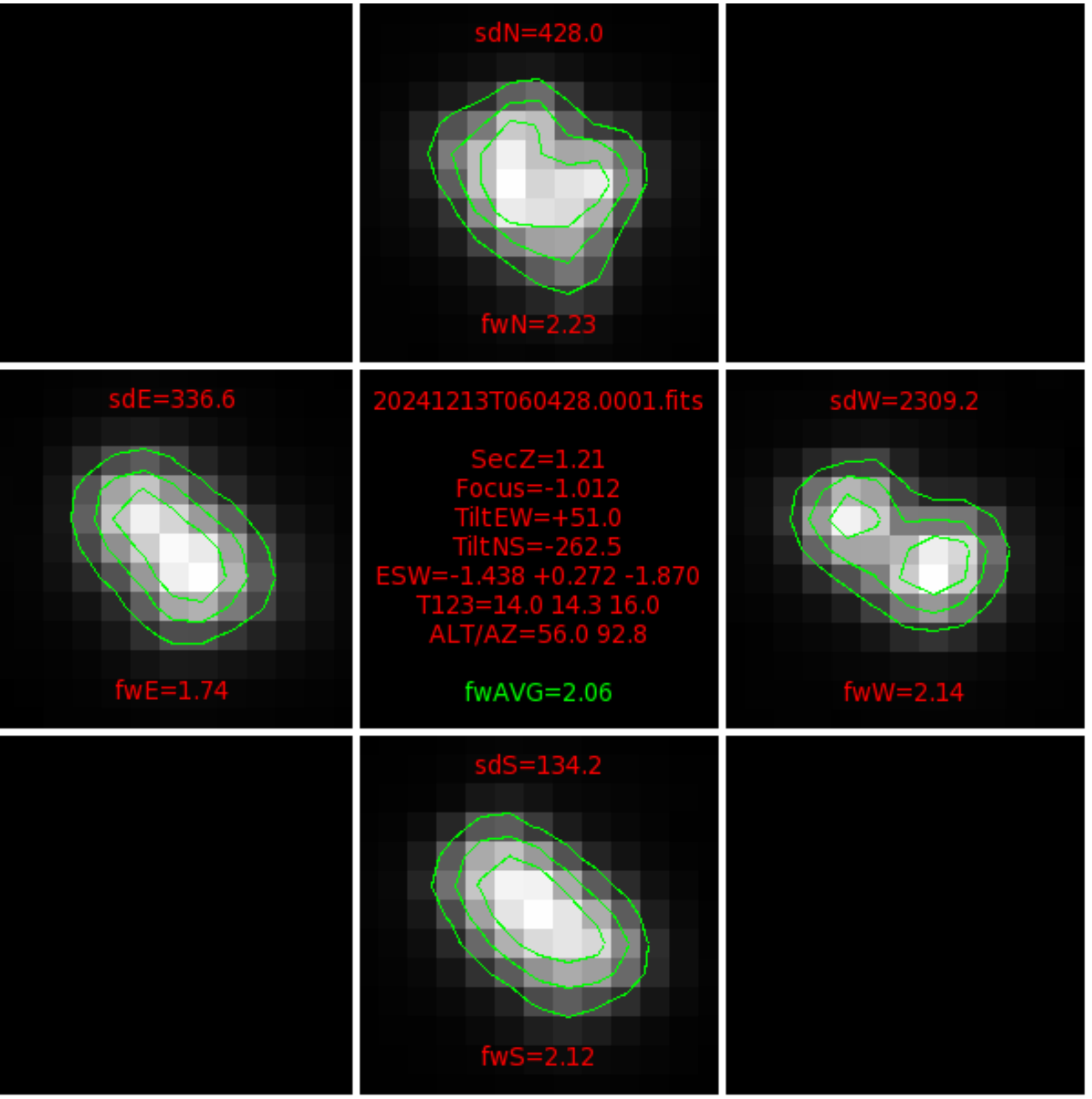
sdN=428.0
fwN=2.23
sdE=336.6
fwE=1.74
20241213T060428.0001.fits
SecZ=1.21
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.3 16.0
ALT/AZ=56.0 92.8
fwAVG=2.06
sdW=2309.2
fwW=2.14
sdS=134.2
fwS=2.12
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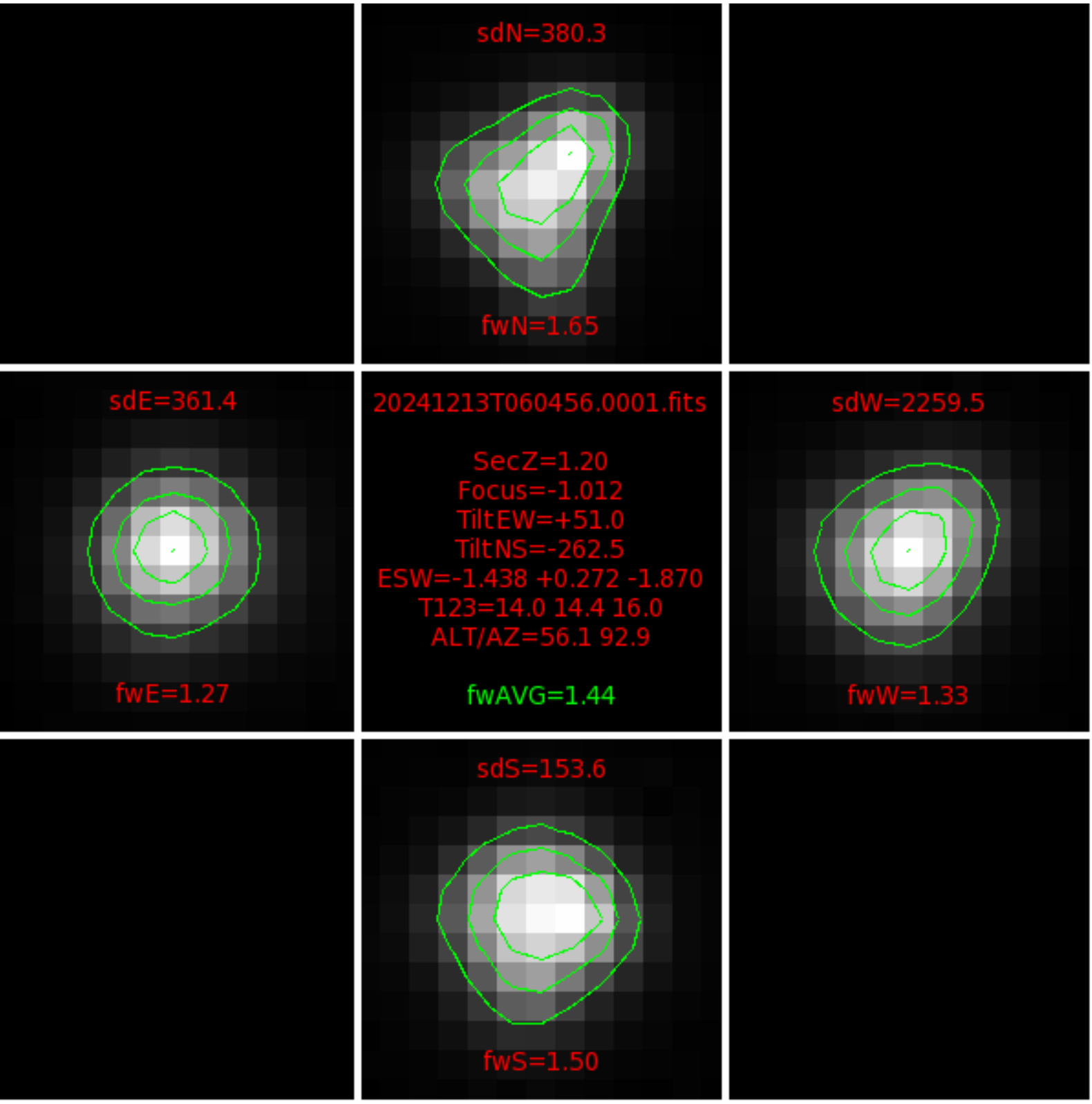
sdN=380.3
fwN=1.65
sdE=361.4
fwE=1.27
20241213T060456.0001.fits
SecZ=1.20
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.4 16.0
ALT/AZ=56.1 92.9
fwAVG=1.44
sdW=2259.5
fwW=1.33
sdS=153.6
fwS=1.50
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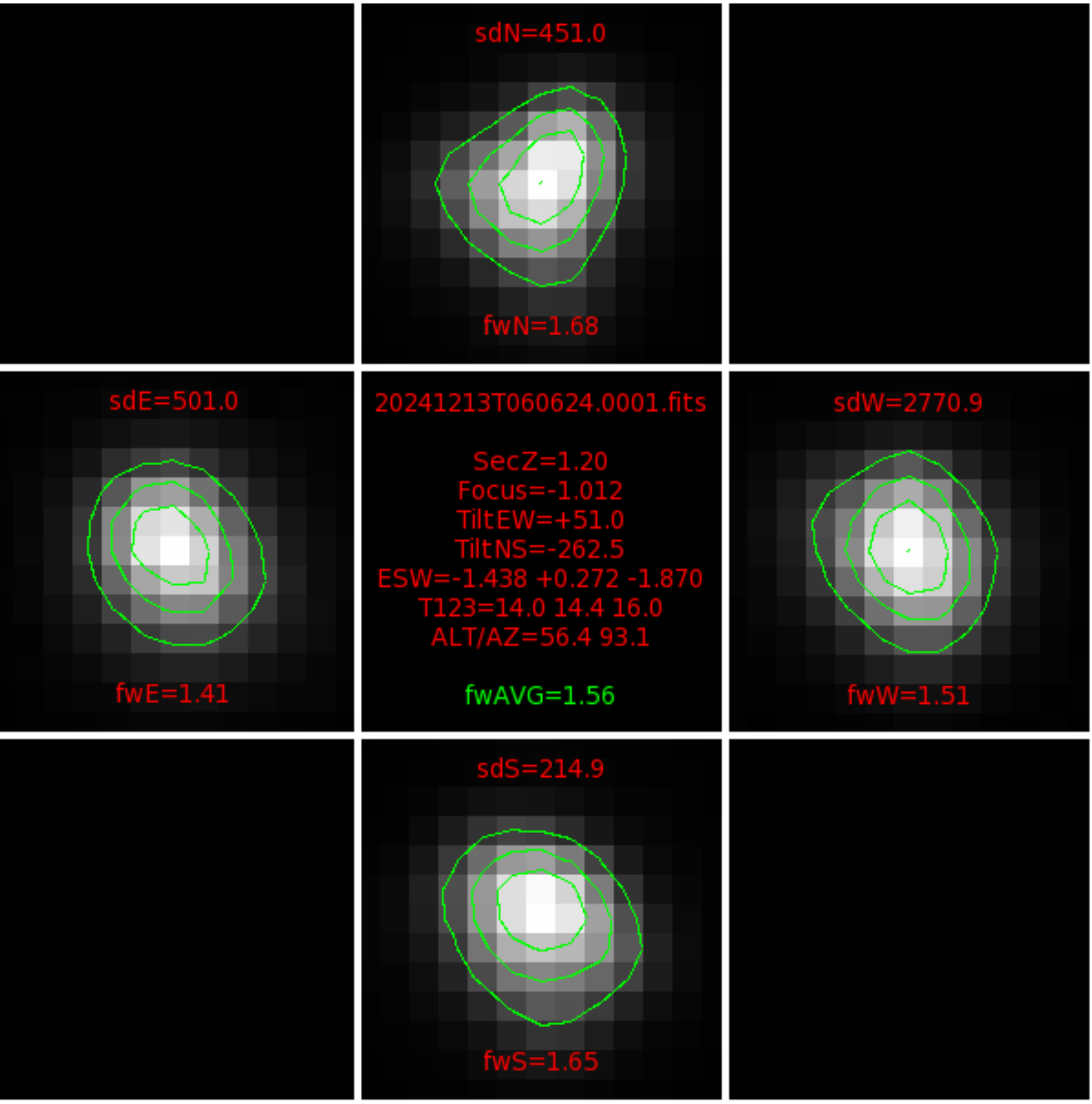
sdN=451.0
fwN=1.68
sdE=501.0
fwE=1.41
20241213T060624.0001.fits
SecZ=1.20
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.4 16.0
ALT/AZ=56.4 93.1
fwAVG=1.56
sdW=2770.9
fwW=1.51
sdS=214.9
fwS=1.65
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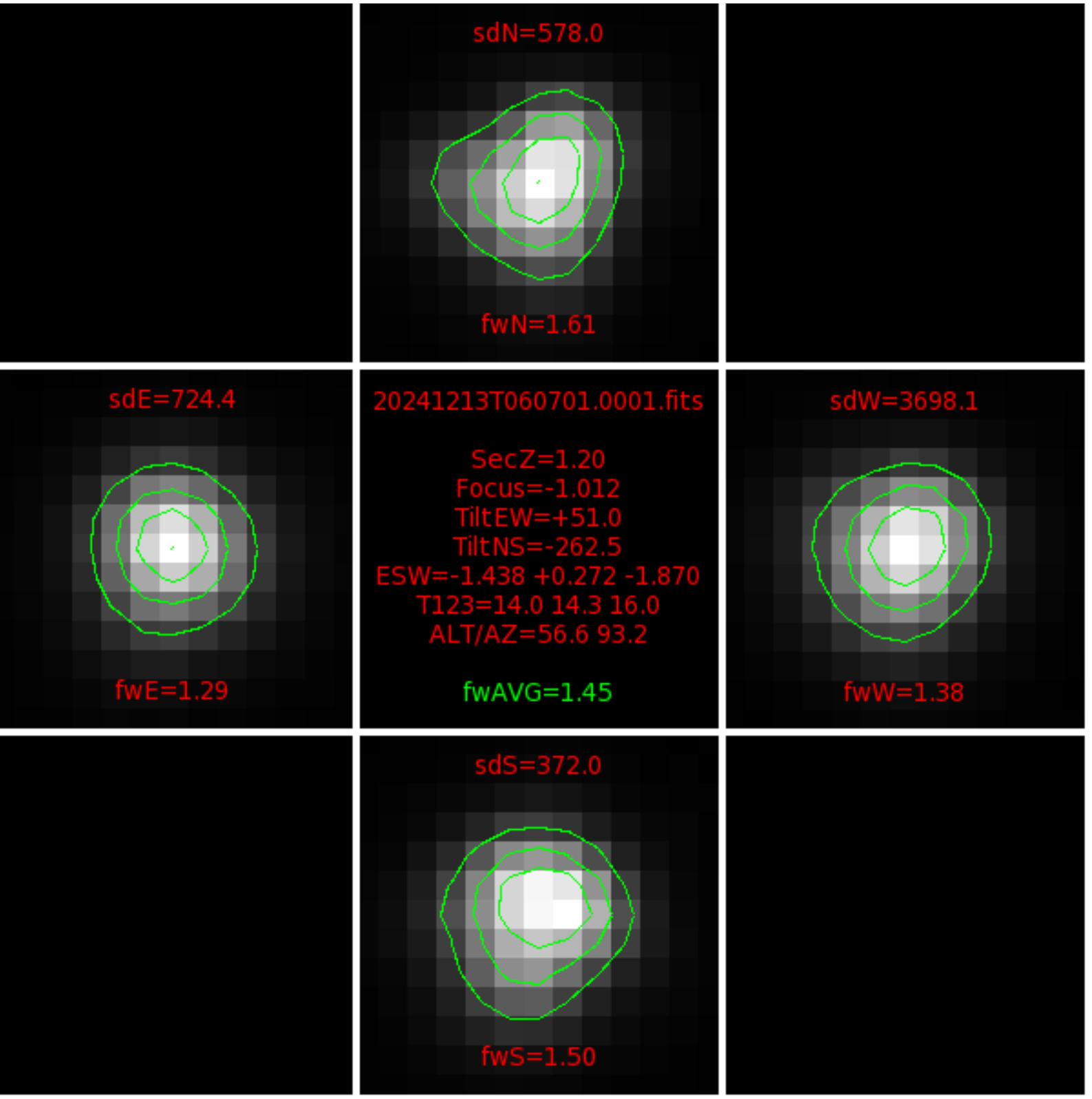
sdN=578.0
fwN=1.61
sdE=724.4
fwE=1.29
20241213T060701.0001.fits
SecZ=1.20
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.3 16.0
ALT/AZ=56.6 93.2
fwAVG=1.45
sdW=3698.1
fwW=1.38
sdS=372.0
fwS=1.50
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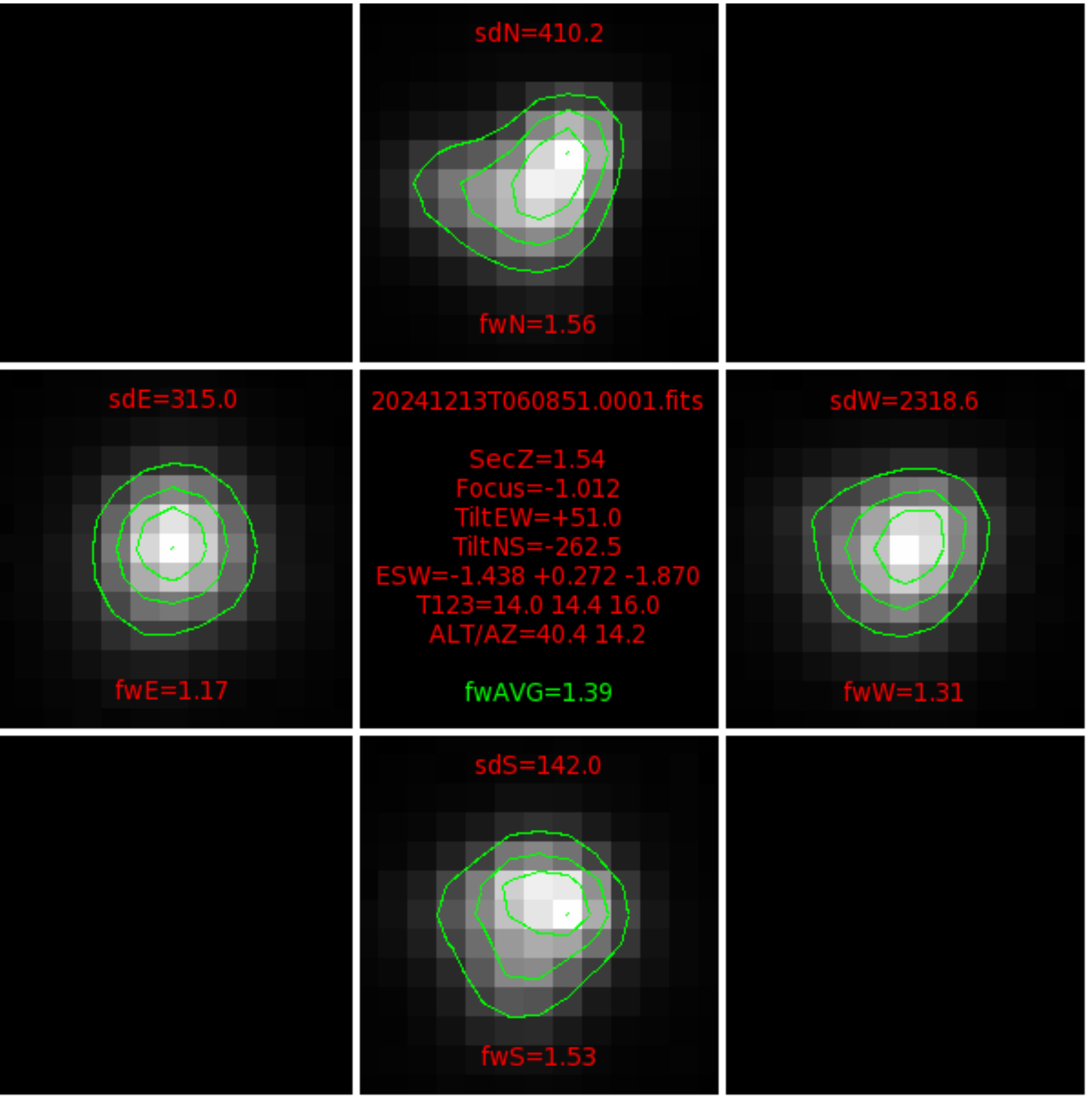
sdN=410.2
fwN=1.56
sdE=315.0
fwE=1.17
20241213T060851.0001.fits
SecZ=1.54
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.4 16.0
ALT/AZ=40.4 14.2
fwAVG=1.39
sdW=2318.6
fwW=1.31
sdS=142.0
fwS=1.53
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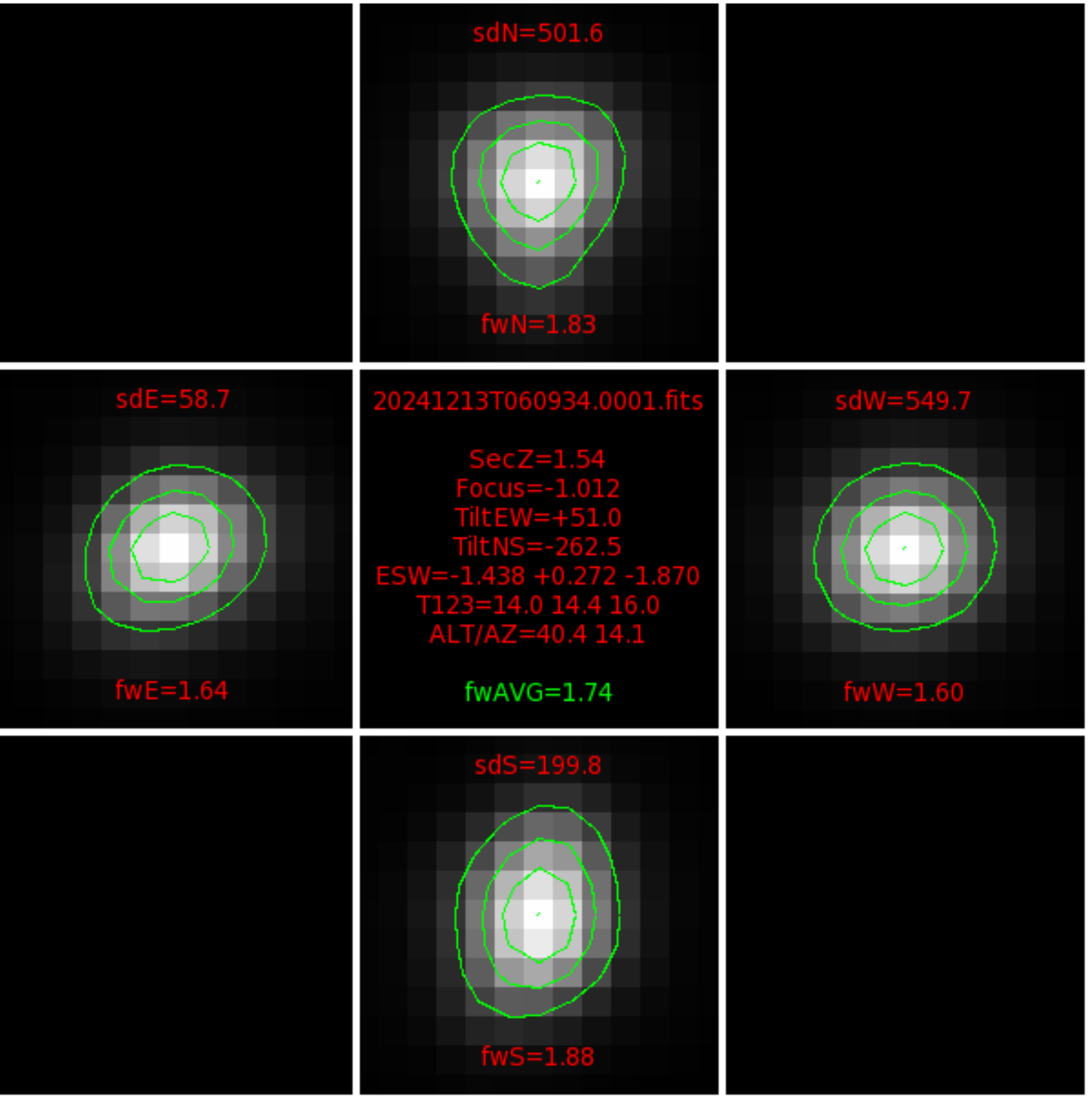
sdN=501.6
fwN=1.83
sdE=58.7
fwE=1.64
20241213T060934.0001.fits
SecZ=1.54
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.4 16.0
ALT/AZ=40.4 14.1
fwAVG=1.74
sdW=549.7
fwW=1.60
sdS=199.8
fwS=1.88
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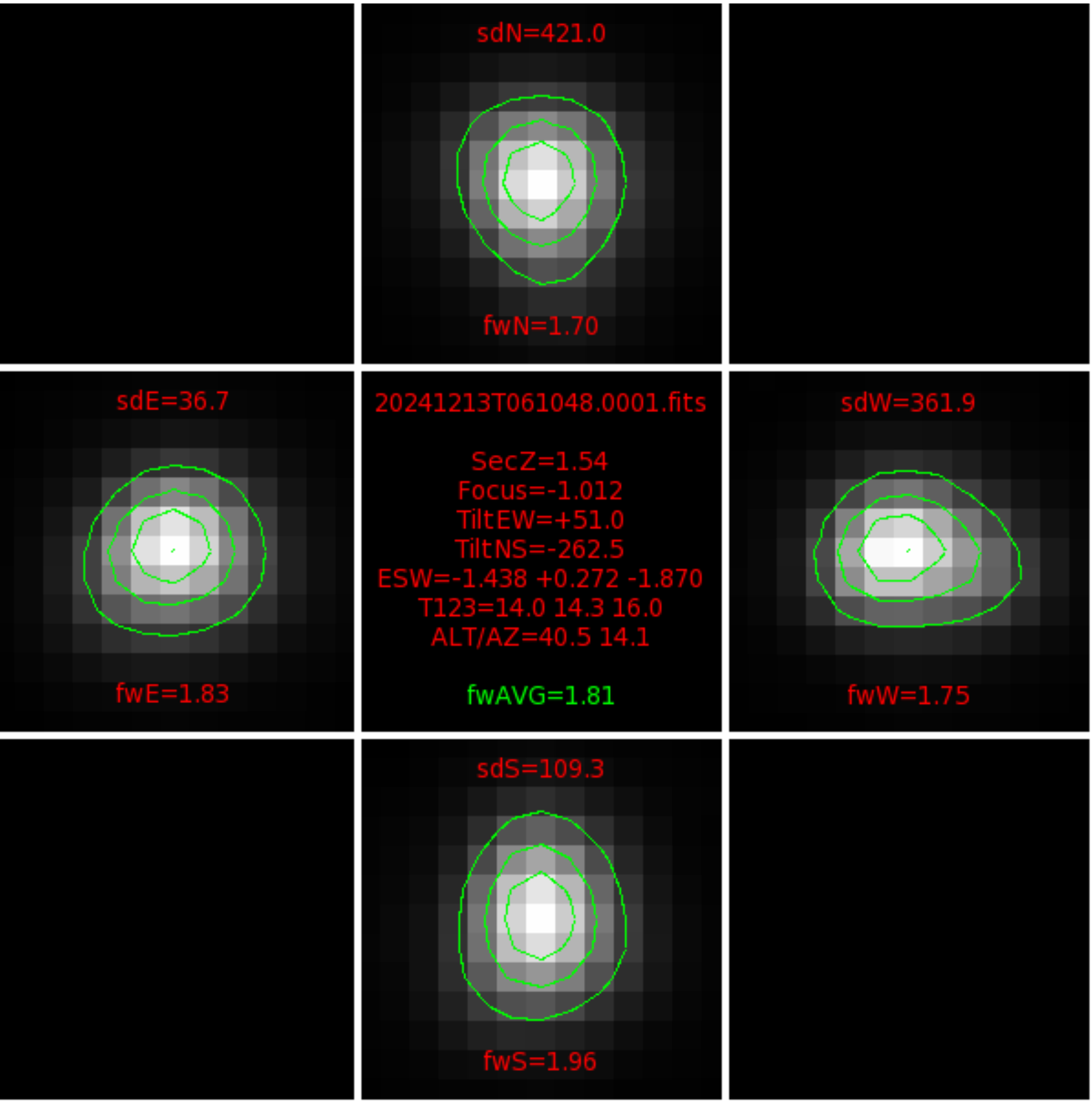
sdN=421.0
fwN=1.70
sdE=36.7
fwE=1.83
20241213T061048.0001.fits
SecZ=1.54
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.3 16.0
ALT/AZ=40.5 14.1
fwAVG=1.81
sdW=361.9
fwW=1.75
sdS=109.3
fwS=1.96
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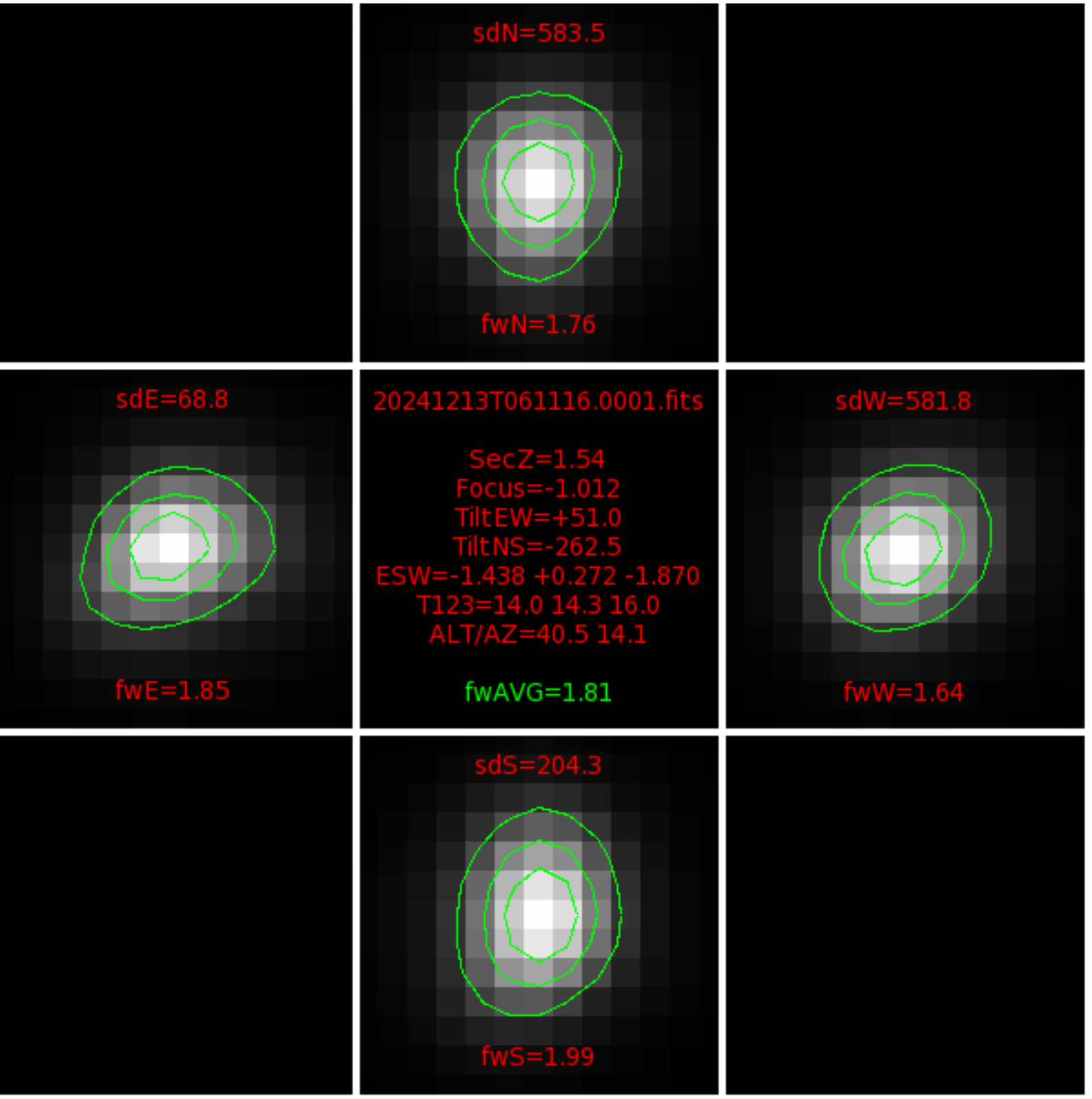
sdN=583.5
fwN=1.76
sdE=68.8
fwE=1.85
20241213T061116.0001.fits
SecZ=1.54
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.3 16.0
ALT/AZ=40.5 14.1
fwAVG=1.81
sdW=581.8
fwW=1.64
sdS=204.3
fwS=1.99
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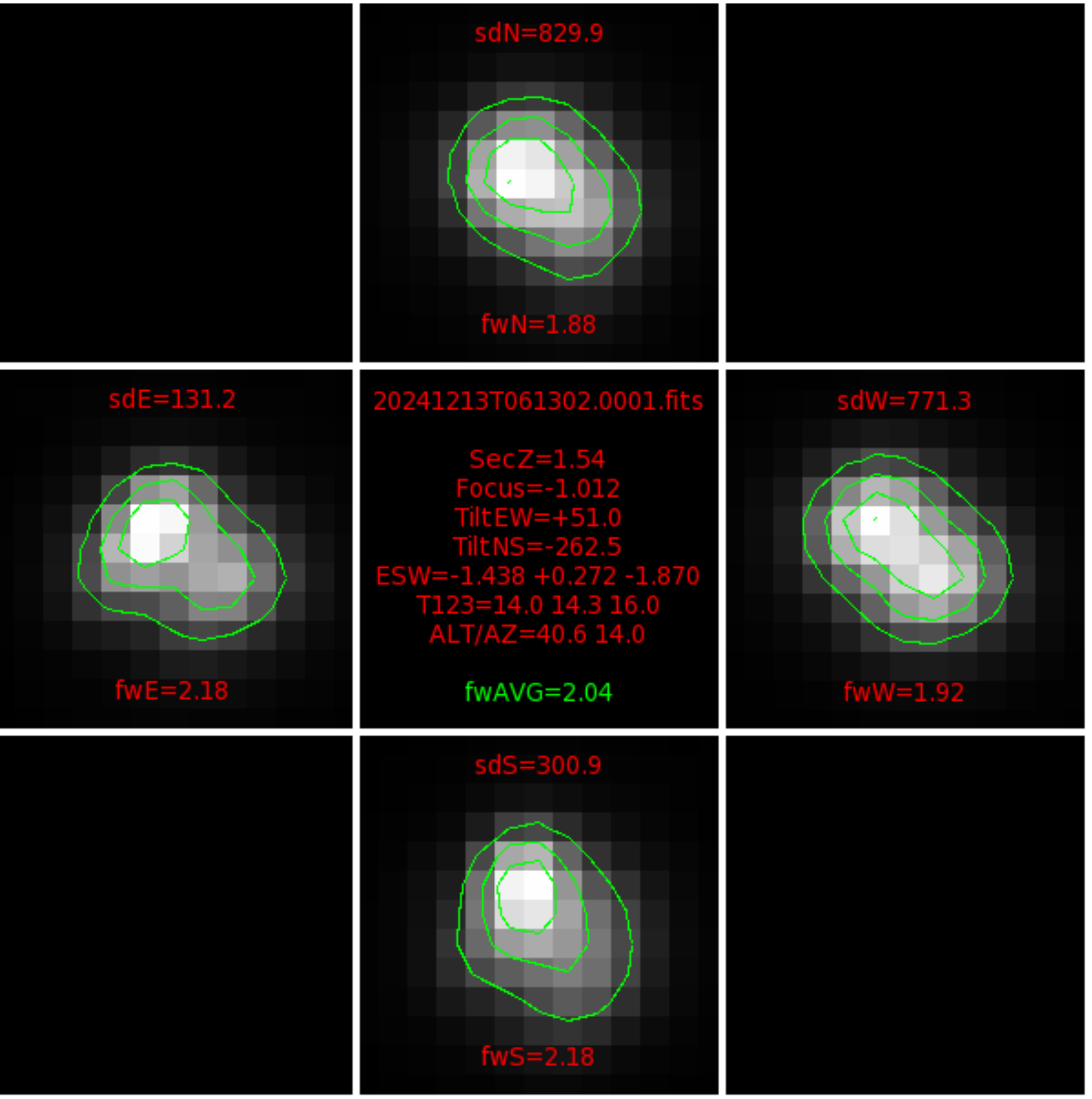
sdN=829.9
fwN=1.88
sdE=131.2
fwE=2.18
20241213T061302.0001.fits
SecZ=1.54
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.3 16.0
ALT/AZ=40.6 14.0
fwAVG=2.04
sdW=771.3
fwW=1.92
sdS=300.9
fwS=2.18
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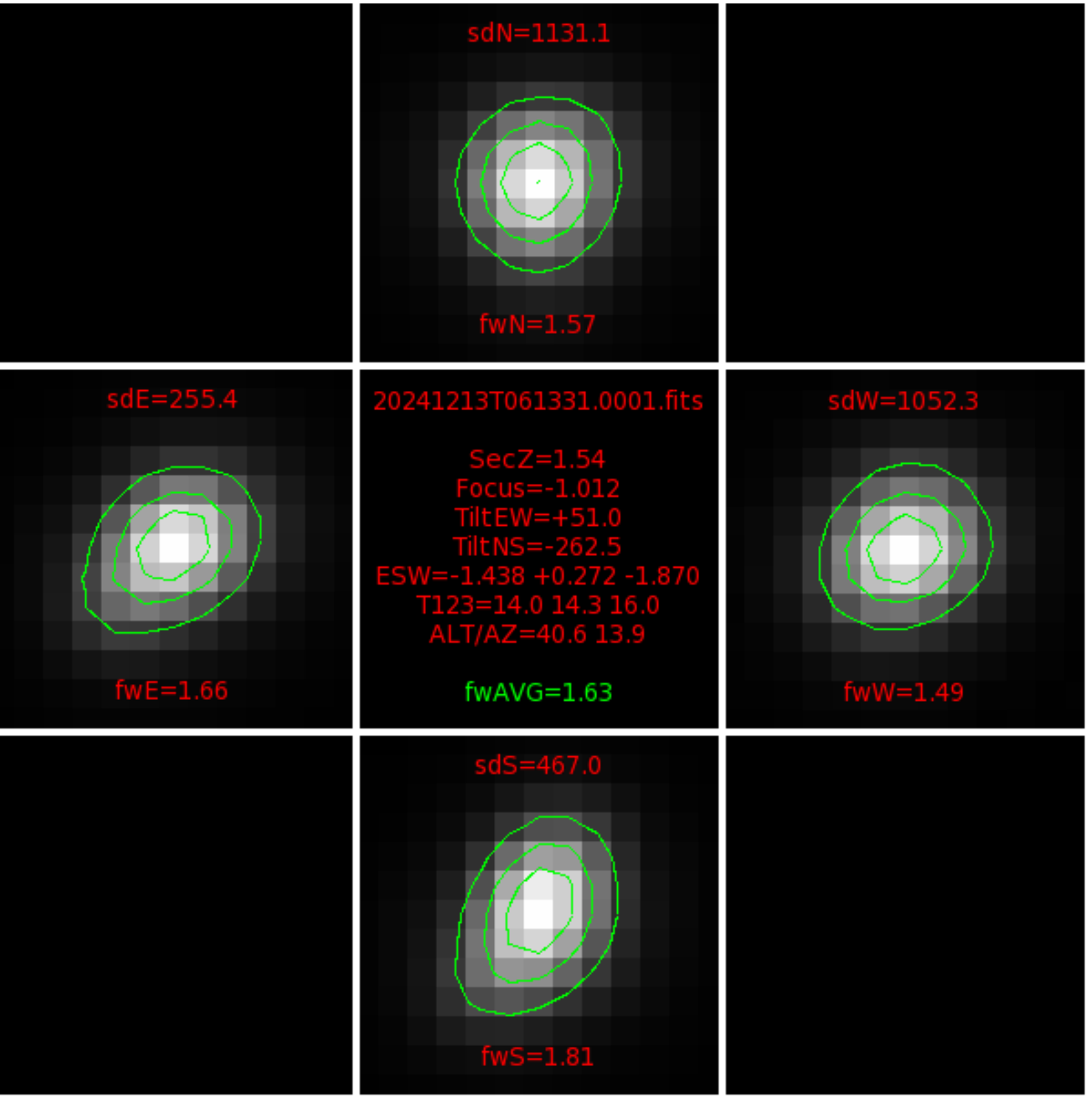
sdN=1131.1
fwN=1.57
sdE=255.4
fwE=1.66
20241213T061331.0001.fits
SecZ=1.54
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.3 16.0
ALT/AZ=40.6 13.9
fwAVG=1.63
sdW=1052.3
fwW=1.49
sdS=467.0
fwS=1.81
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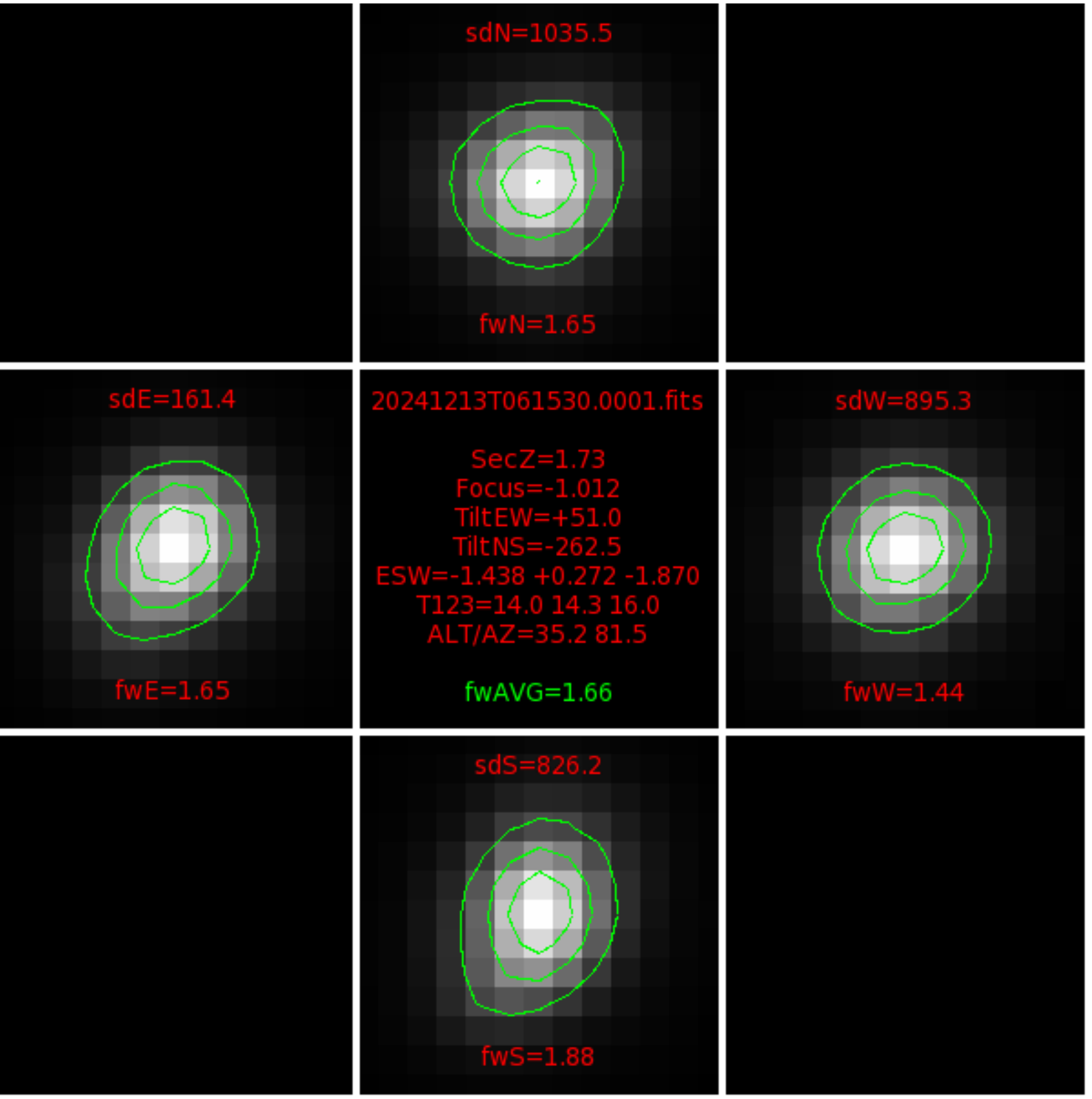
sdN=1035.5
fwN=1.65
sdE=161.4
fwE=1.65
20241213T061530.0001.fits
SecZ=1.73
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.3 16.0
ALT/AZ=35.2 81.5
fwAVG=1.66
sdW=895.3
fwW=1.44
sdS=826.2
fwS=1.88
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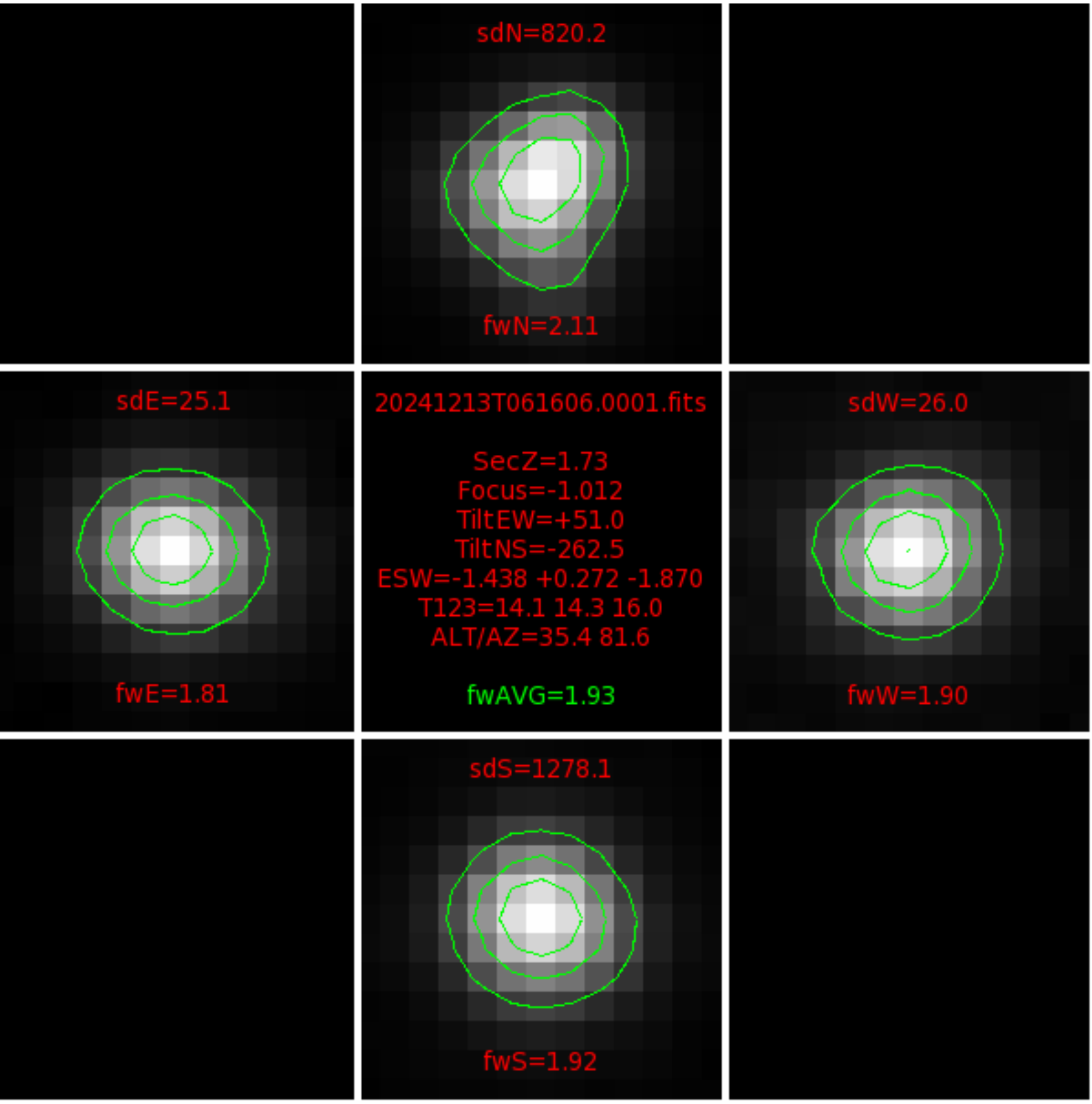
sdN=820.2
fwN=2.11
sdE=25.1
fwE=1.81
20241213T061606.0001.fits
SecZ=1.73
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.1 14.3 16.0
ALT/AZ=35.4 81.6
fwAVG=1.93
sdW=26.0
fwW=1.90
sdS=1278.1
fwS=1.92
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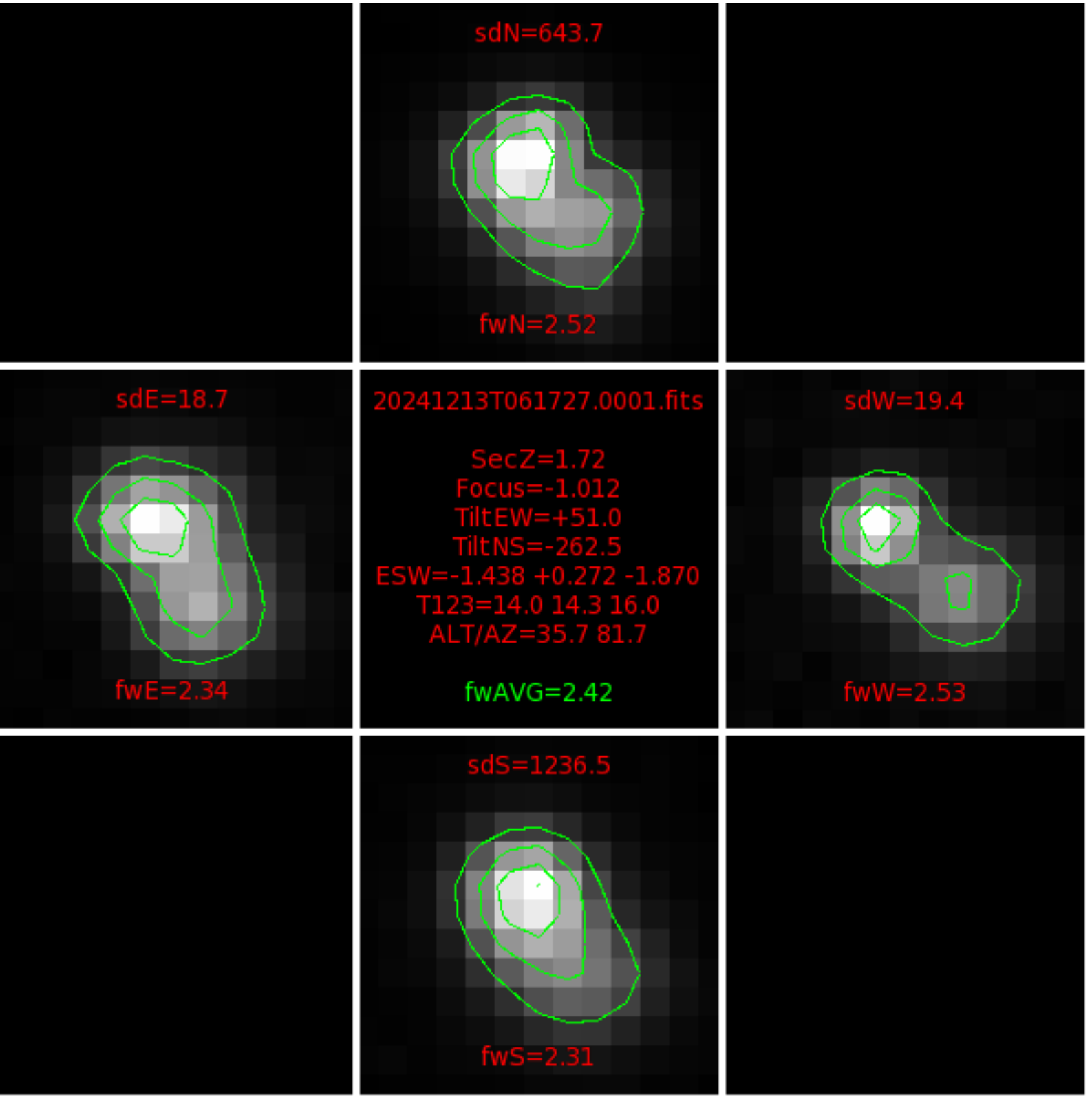
sdN=643.7
fwN=2.52
sdE=18.7
fwE=2.34
20241213T061727.0001.fits
SecZ=1.72
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.3 16.0
ALT/AZ=35.7 81.7
fwAVG=2.42
sdW=19.4
fwW=2.53
sdS=1236.5
fwS=2.31
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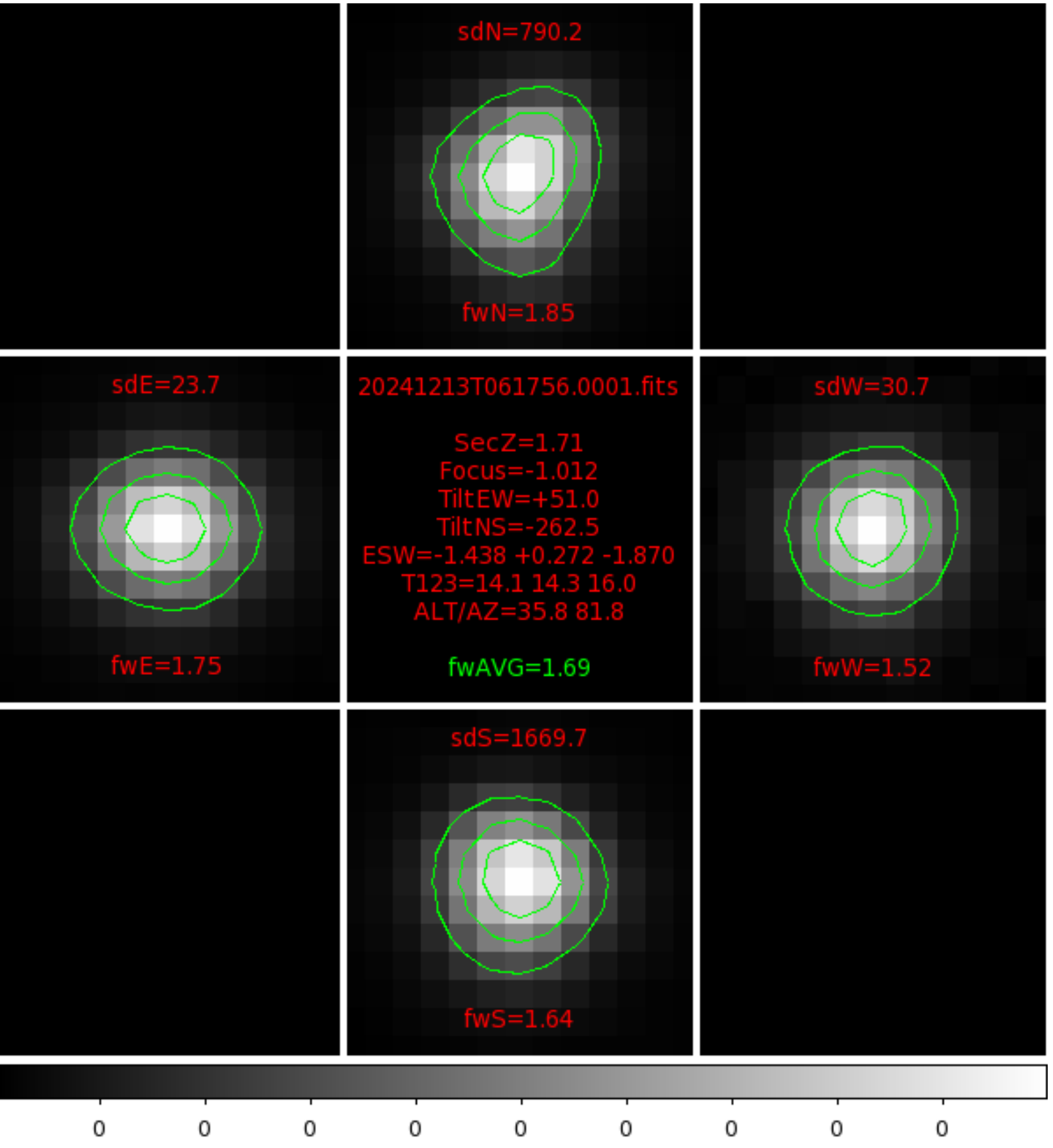
sdN=790.2
fwN=1.85
sdE=23.7
fwE=1.75
20241213T061756.0001.fits
SecZ=1.71
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.1 14.3 16.0
ALT/AZ=35.8 81.8
fwAVG=1.69
sdW=30.7
fwW=1.52
sdS=1669.7
fwS=1.64
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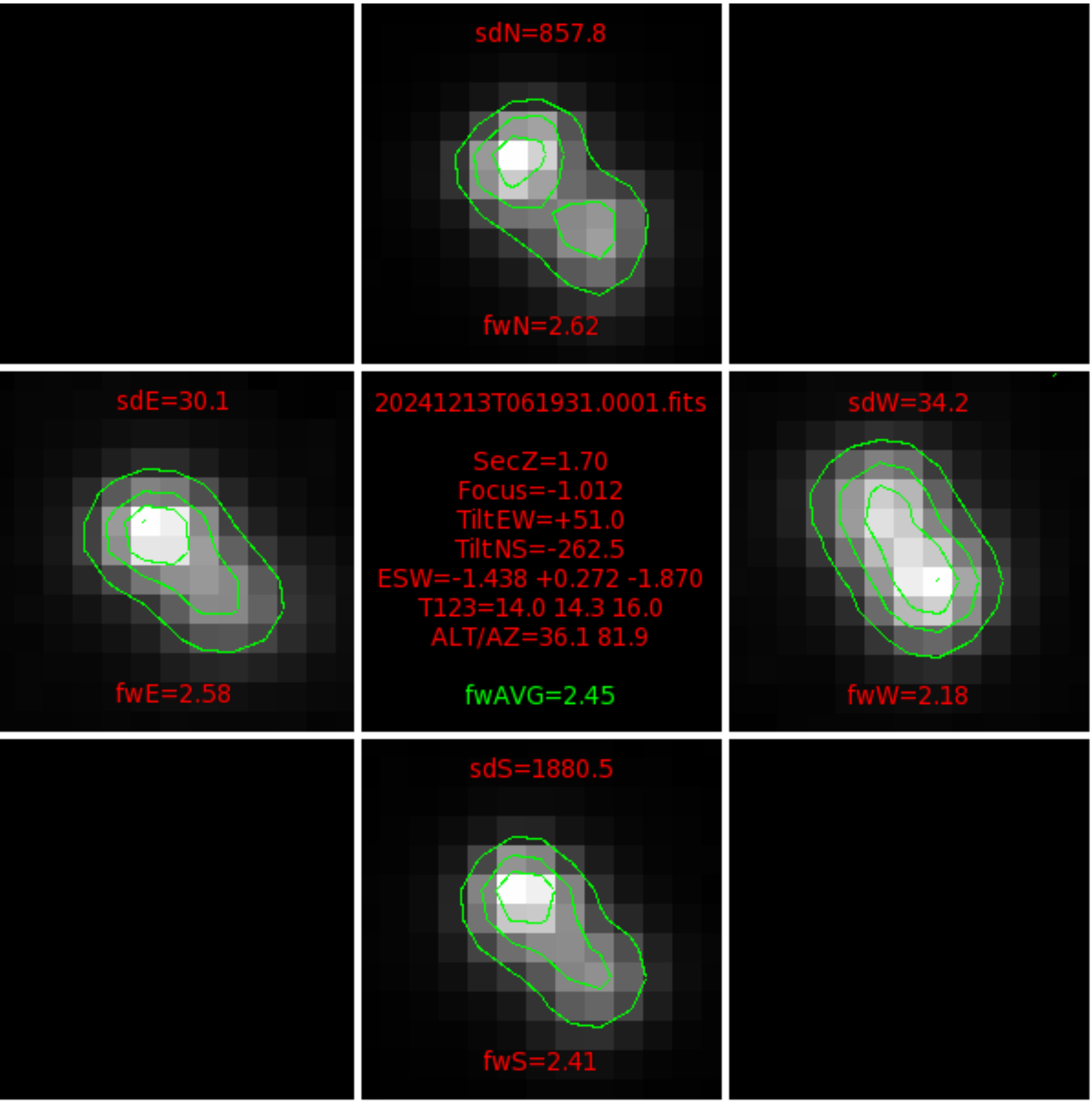
sdN=857.8
fwN=2.62
sdE=30.1
fwE=2.58
20241213T061931.0001.fits
SecZ=1.70
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.3 16.0
ALT/AZ=36.1 81.9
fwAVG=2.45
sdW=34.2
fwW=2.18
sdS=1880.5
fwS=2.41
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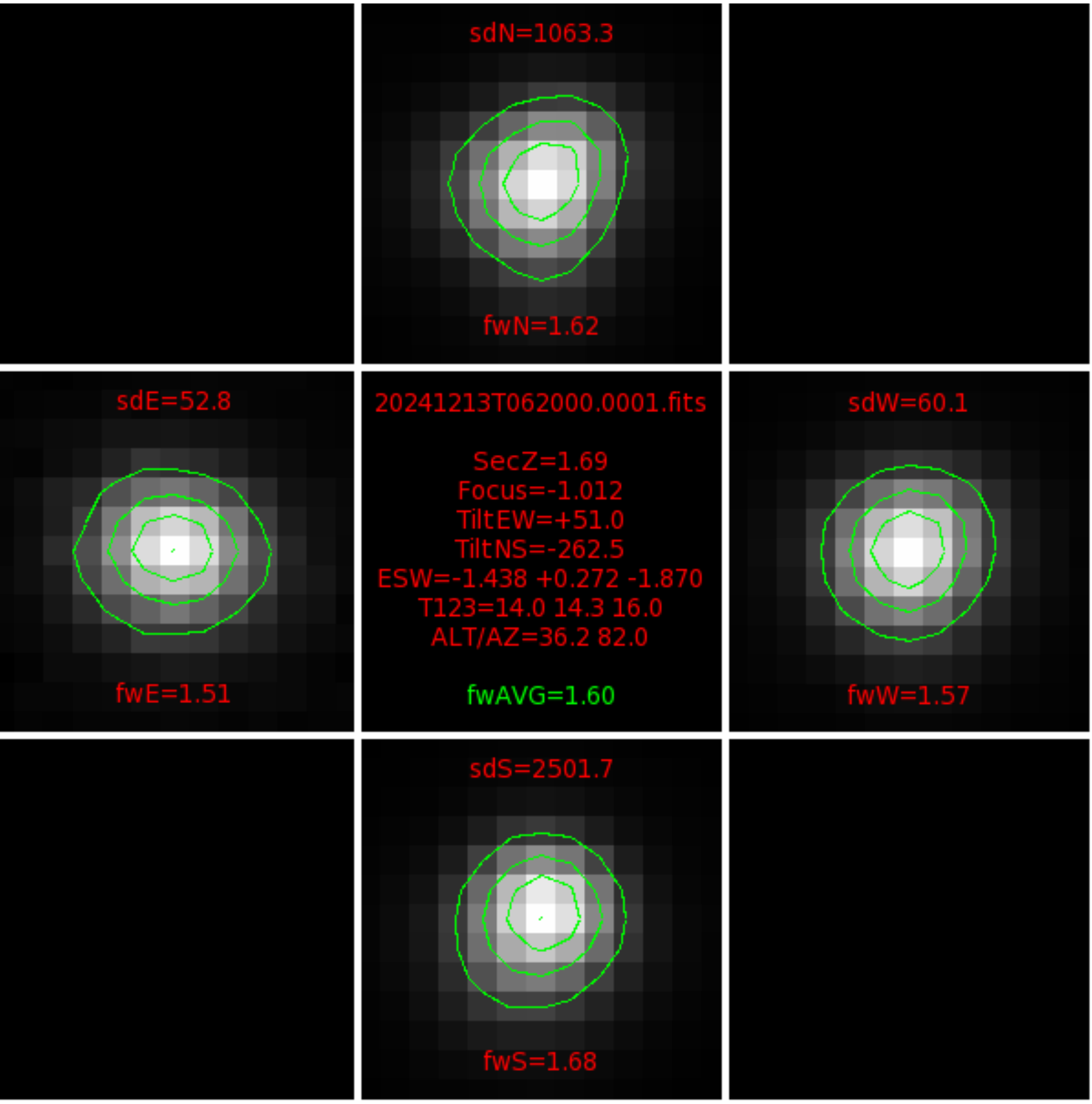
sdN=1063.3
fwN=1.62
sdE=52.8
fwE=1.51
20241213T062000.0001.fits
SecZ=1.69
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.3 16.0
ALT/AZ=36.2 82.0
fwAVG=1.60
sdW=60.1
fwW=1.57
sdS=2501.7
fwS=1.68
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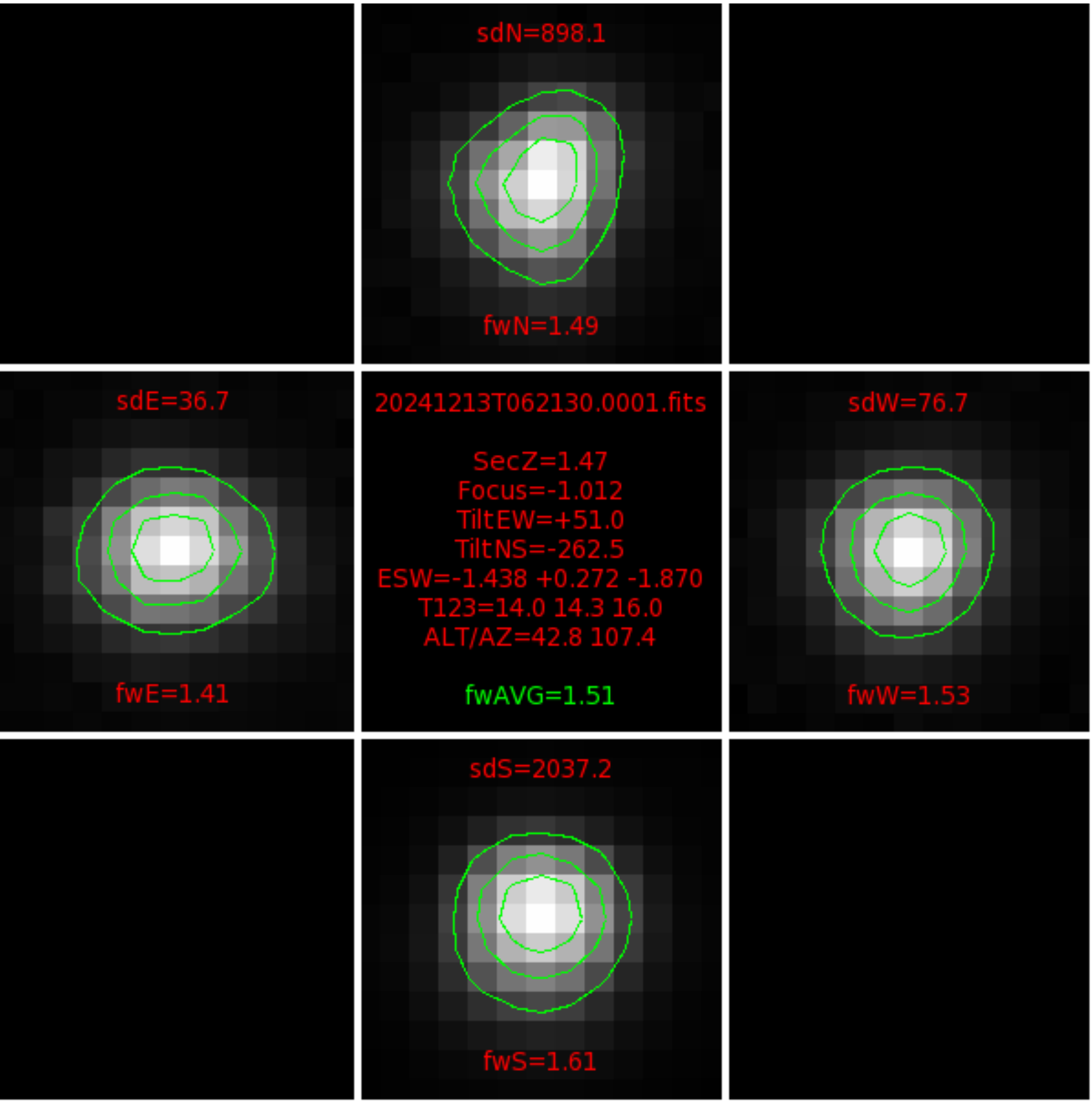
sdN=898.1
fwN=1.49
sdE=36.7
fwE=1.41
20241213T062130.0001.fits
SecZ=1.47
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.3 16.0
ALT/AZ=42.8 107.4
fwAVG=1.51
sdW=76.7
fwW=1.53
sdS=2037.2
fwS=1.61
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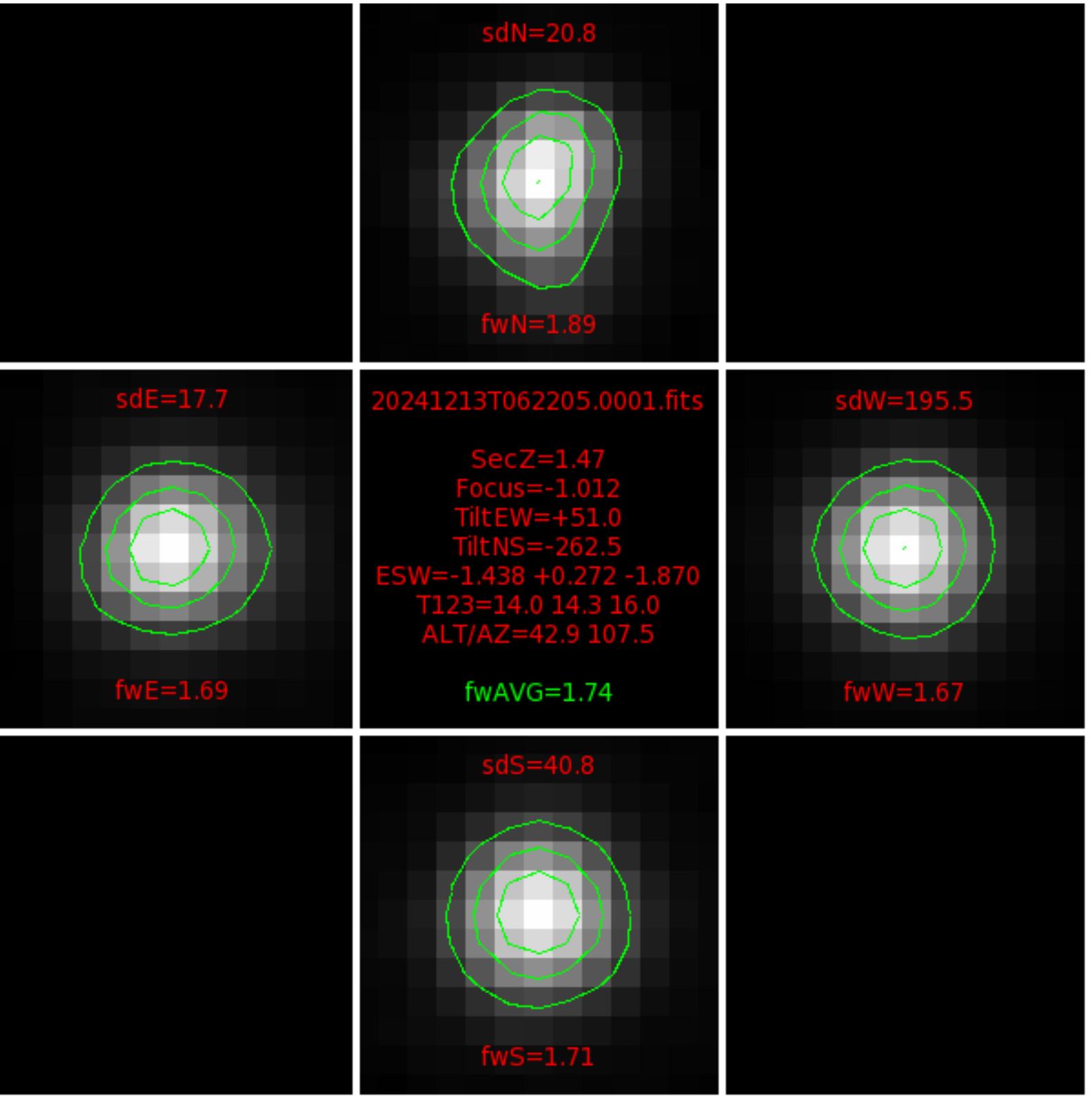
sdN=20.8
fwN=1.89
sdE=17.7
fwE=1.69
20241213T062205.0001.fits
SecZ=1.47
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.3 16.0
ALT/AZ=42.9 107.5
fwAVG=1.74
sdW=195.5
fwW=1.67
sdS=40.8
fwS=1.71
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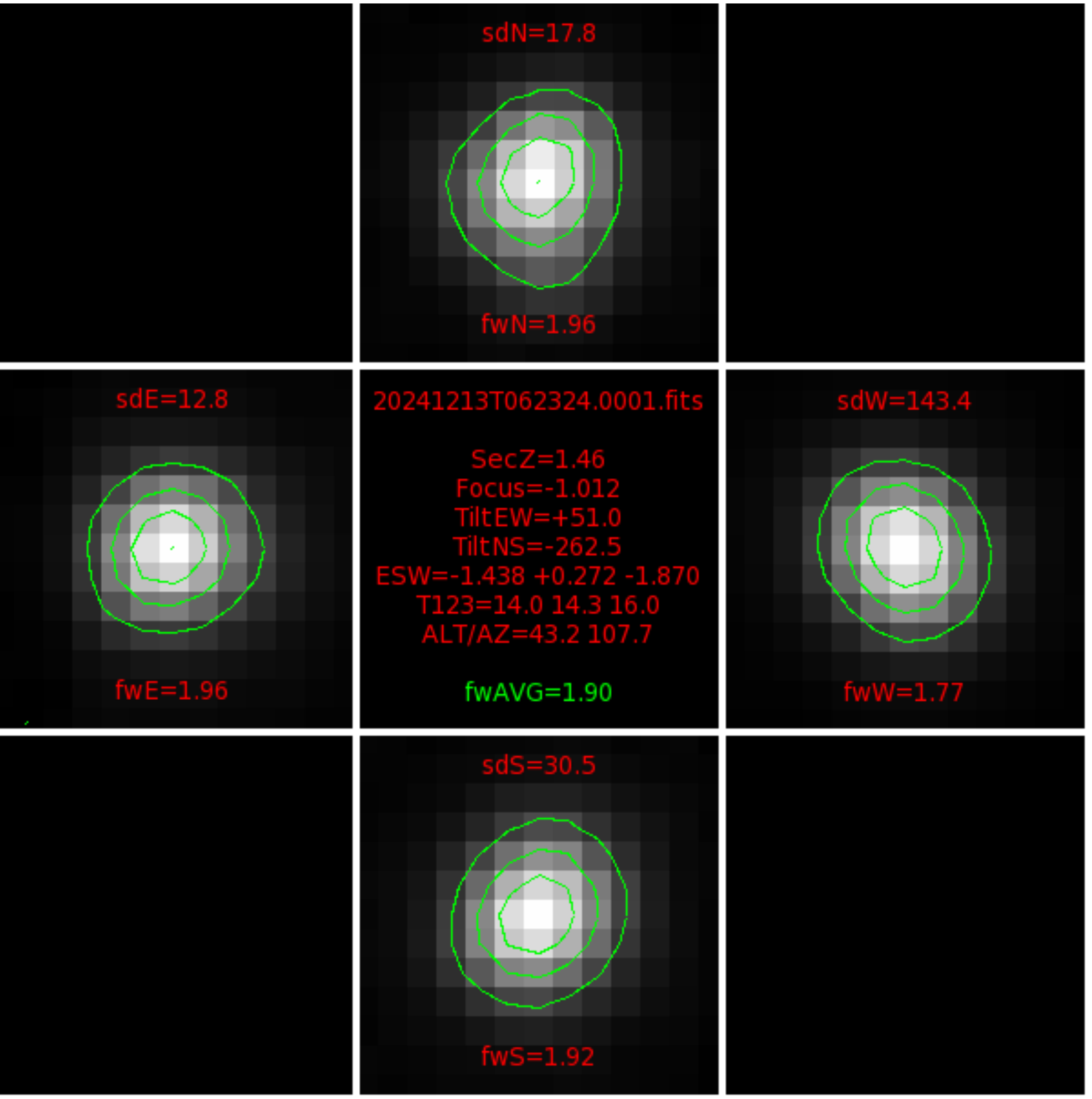
sdN=17.8
fwN=1.96
sdE=12.8
fwE=1.96
20241213T062324.0001.fits
SecZ=1.46
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.3 16.0
ALT/AZ=43.2 107.7
fwAVG=1.90
sdW=143.4
fwW=1.77
sdS=30.5
fwS=1.92
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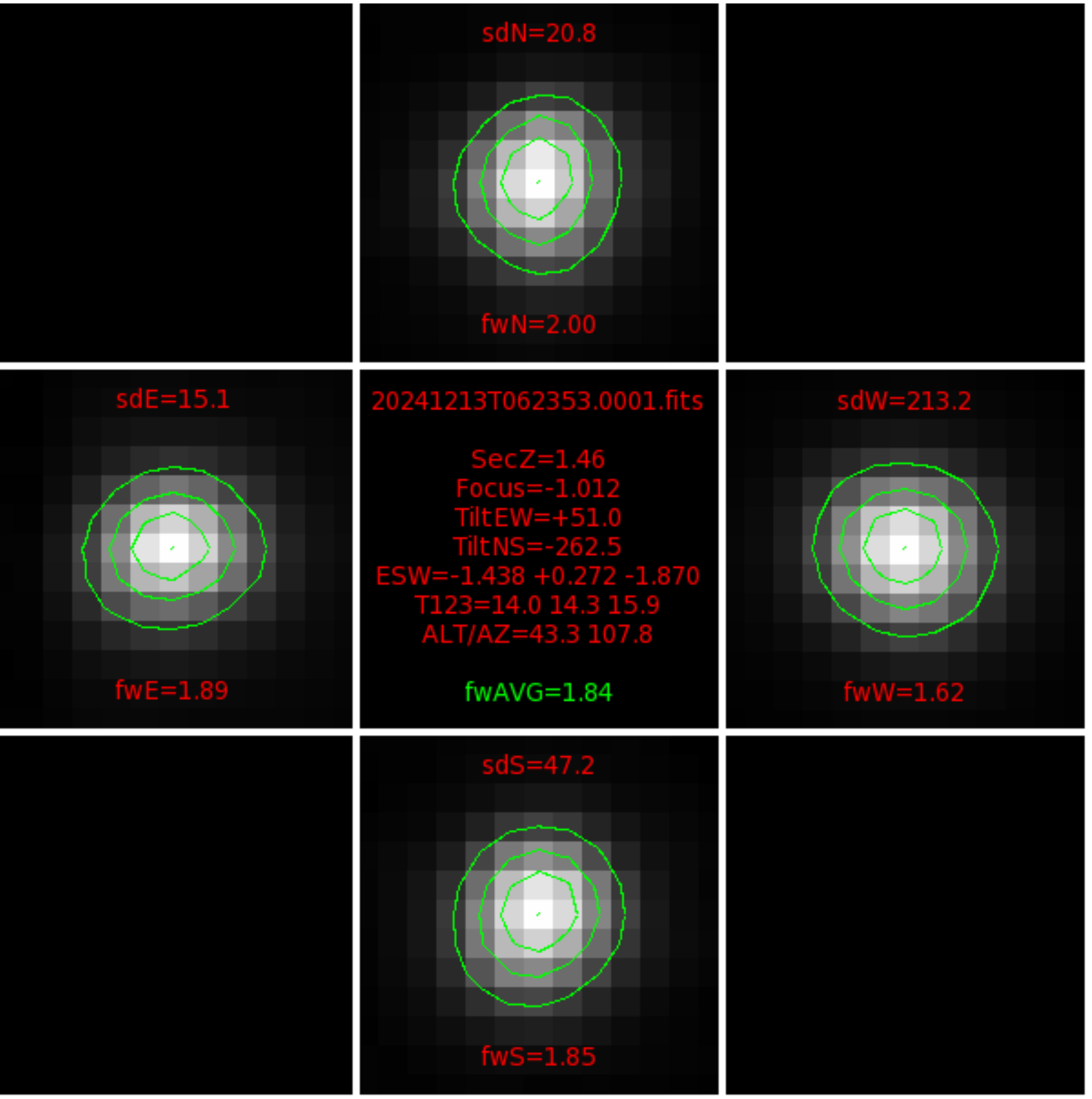
sdN=20.8
fwN=2.00
sdE=15.1
fwE=1.89
20241213T062353.0001.fits
SecZ=1.46
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.3 15.9
ALT/AZ=43.3 107.8
fwAVG=1.84
sdW=213.2
fwW=1.62
sdS=47.2
fwS=1.85
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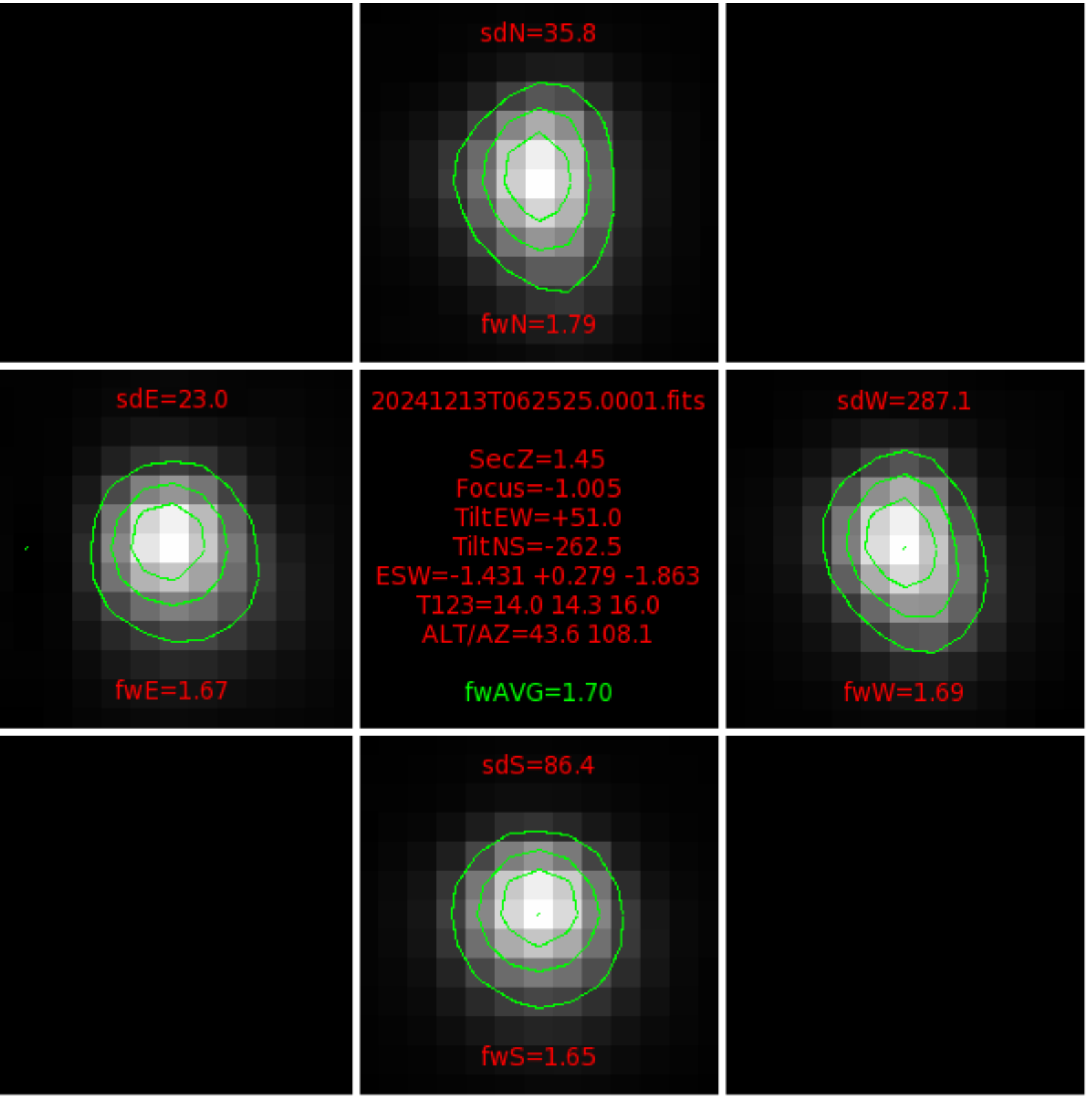
sdN=35.8
fwN=1.79
sdE=23.0
fwE=1.67
20241213T062525.0001.fits
SecZ=1.45
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=14.0 14.3 16.0
ALT/AZ=43.6 108.1
fwAVG=1.70
sdW=287.1
fwW=1.69
sdS=86.4
fwS=1.65
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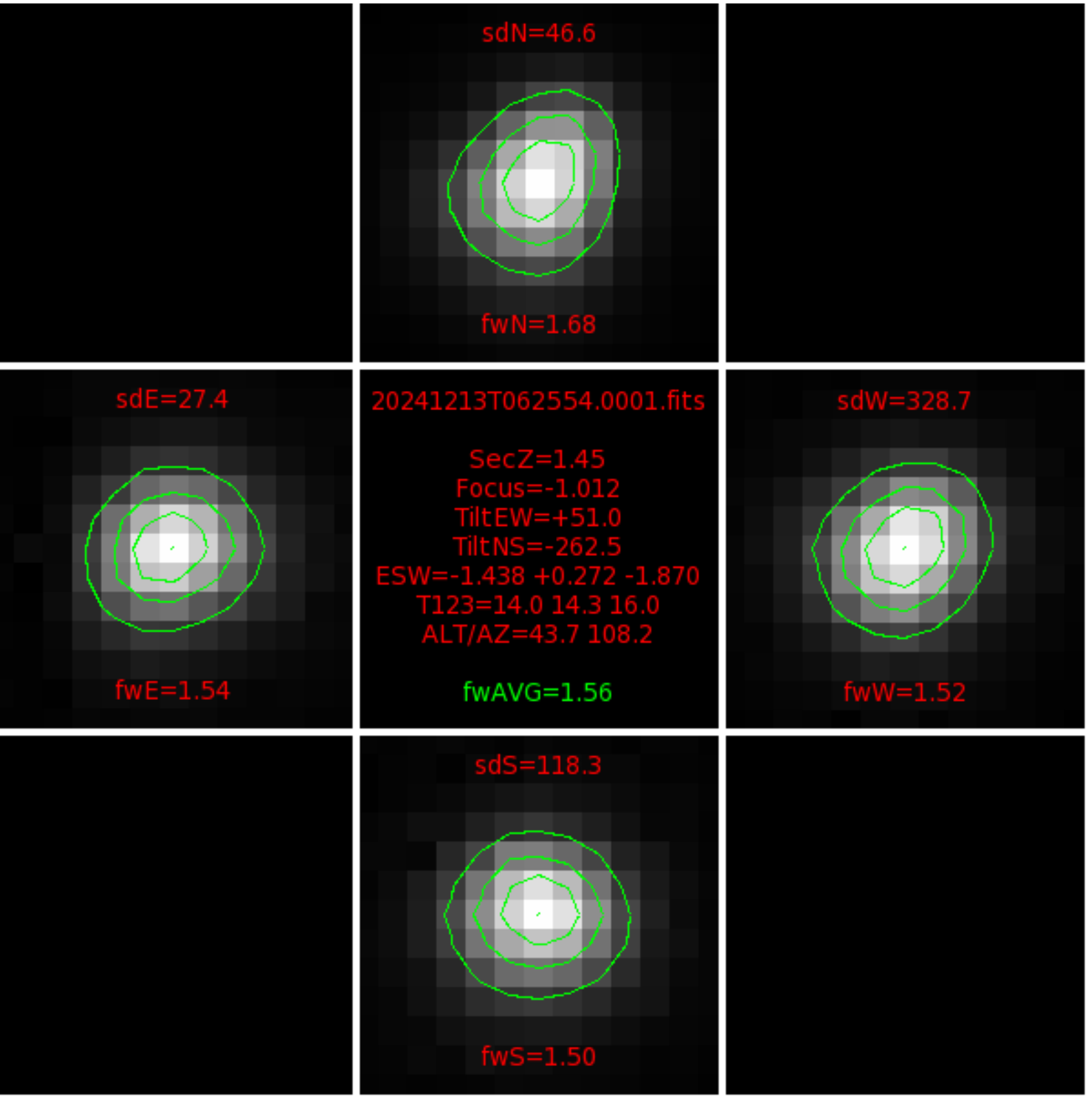
sdN=46.6
fwN=1.68
sdE=27.4
fwE=1.54
20241213T062554.0001.fits
SecZ=1.45
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.3 16.0
ALT/AZ=43.7 108.2
fwAVG=1.56
sdW=328.7
fwW=1.52
sdS=118.3
fwS=1.50
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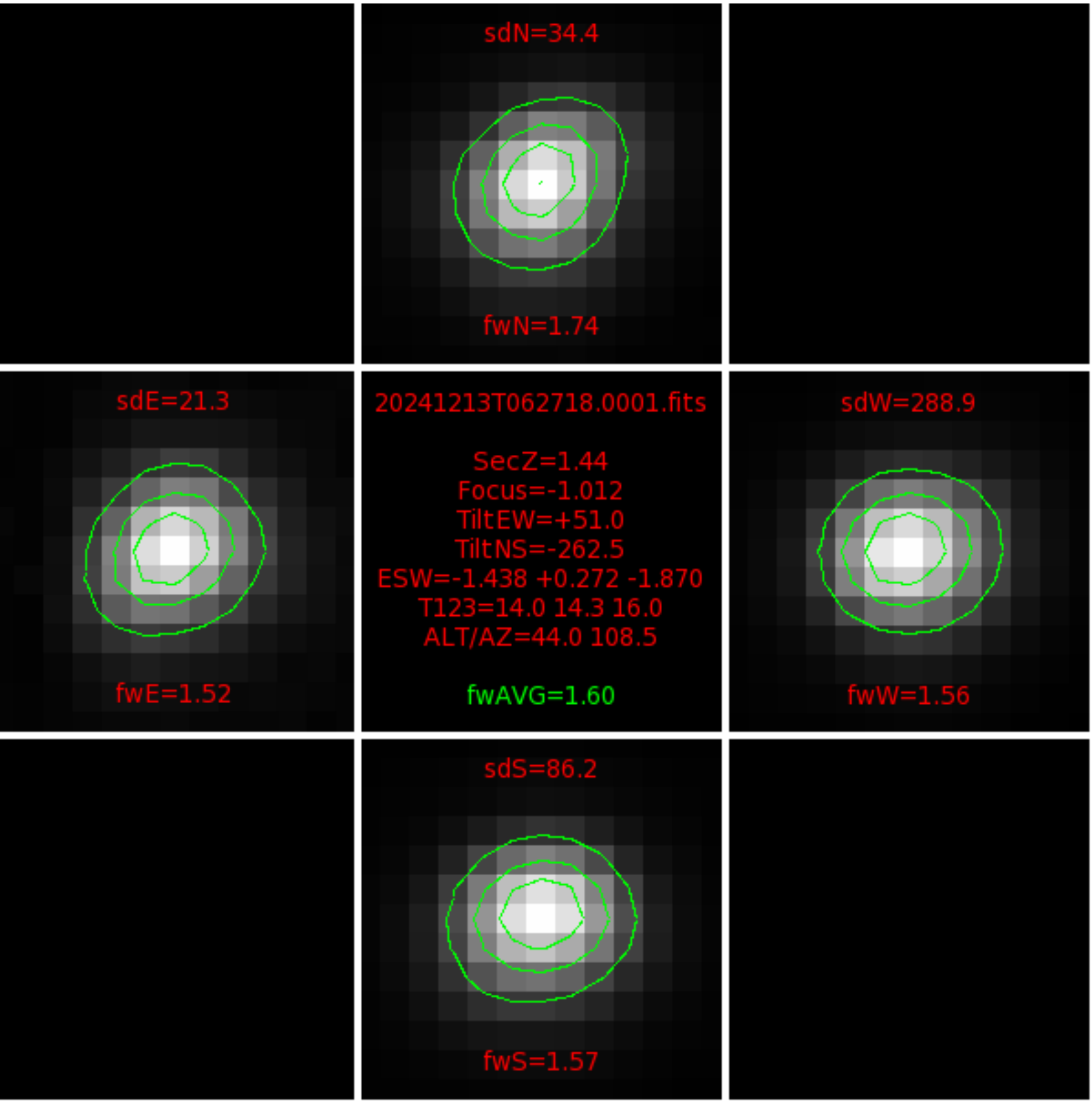
sdN=34.4
fwN=1.74
sdE=21.3
fwE=1.52
20241213T062718.0001.fits
SecZ=1.44
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.3 16.0
ALT/AZ=44.0 108.5
fwAVG=1.60
sdW=288.9
fwW=1.56
sdS=86.2
fwS=1.57
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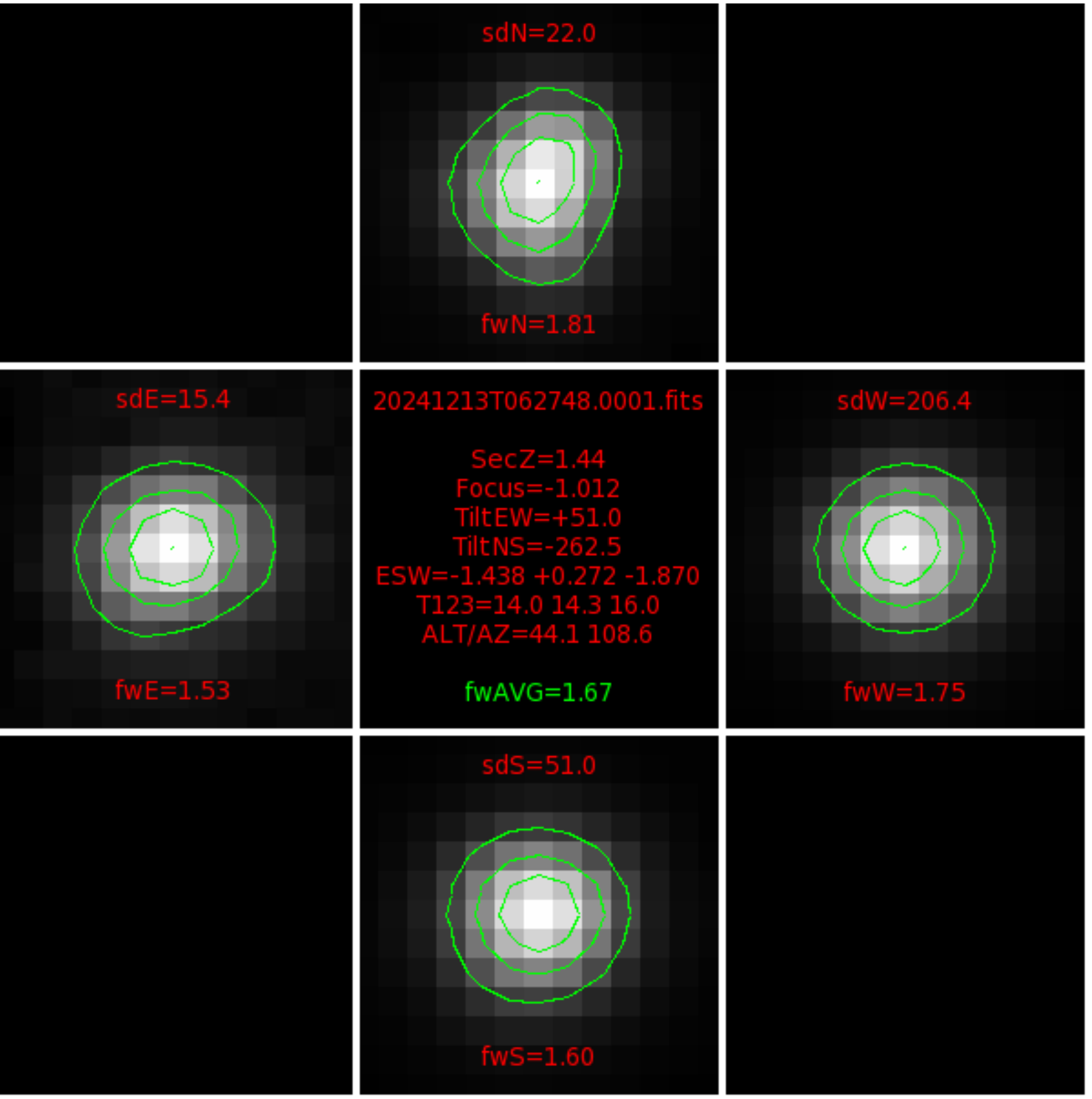
sdN=22.0
fwN=1.81
sdE=15.4
fwE=1.53
20241213T062748.0001.fits
SecZ=1.44
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.3 16.0
ALT/AZ=44.1 108.6
fwAVG=1.67
sdW=206.4
fwW=1.75
sdS=51.0
fwS=1.60
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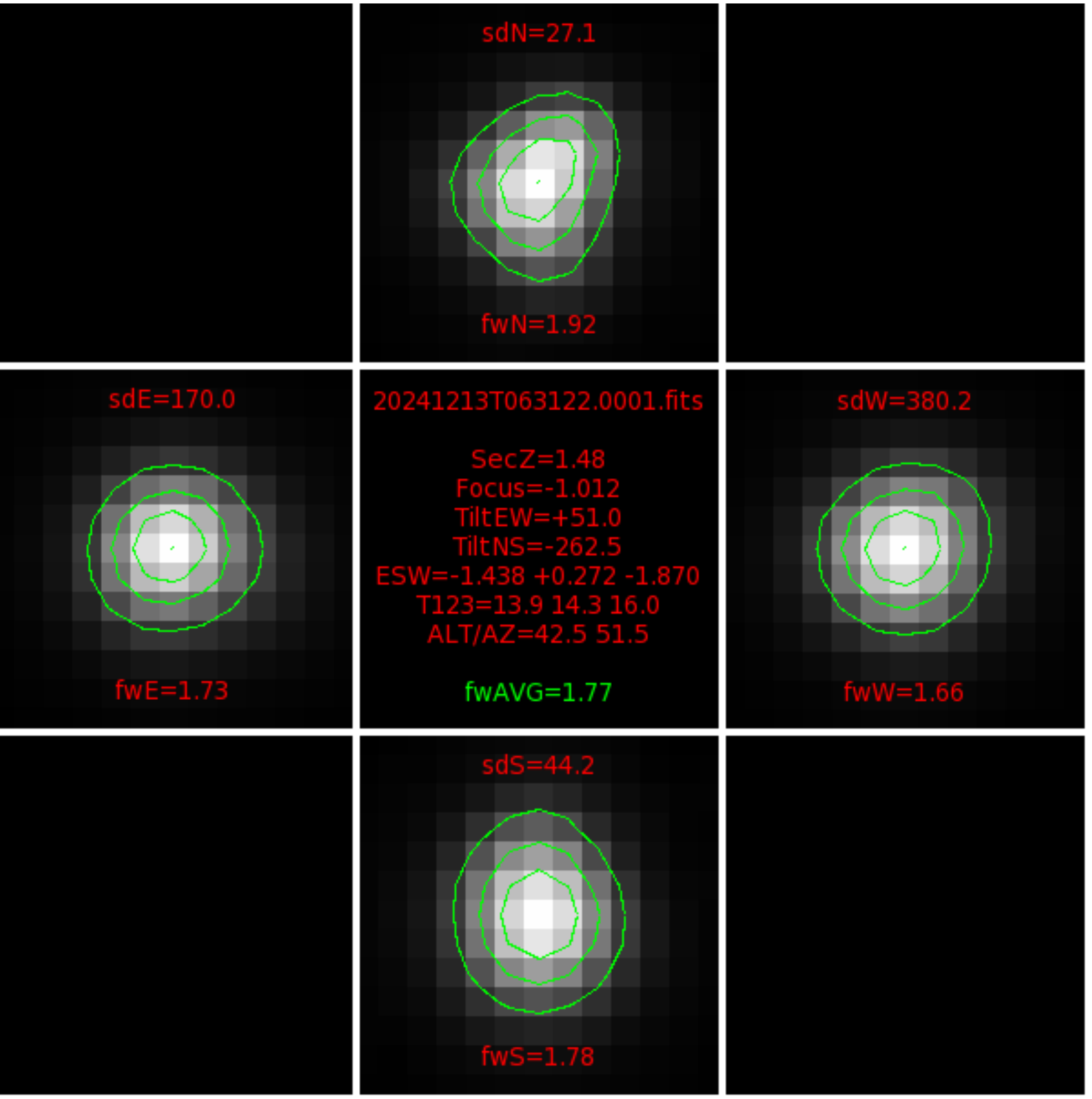
sdN=27.1
fwN=1.92
sdE=170.0
fwE=1.73
20241213T063122.0001.fits
SecZ=1.48
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=13.9 14.3 16.0
ALT/AZ=42.5 51.5
fwAVG=1.77
sdW=380.2
fwW=1.66
sdS=44.2
fwS=1.78
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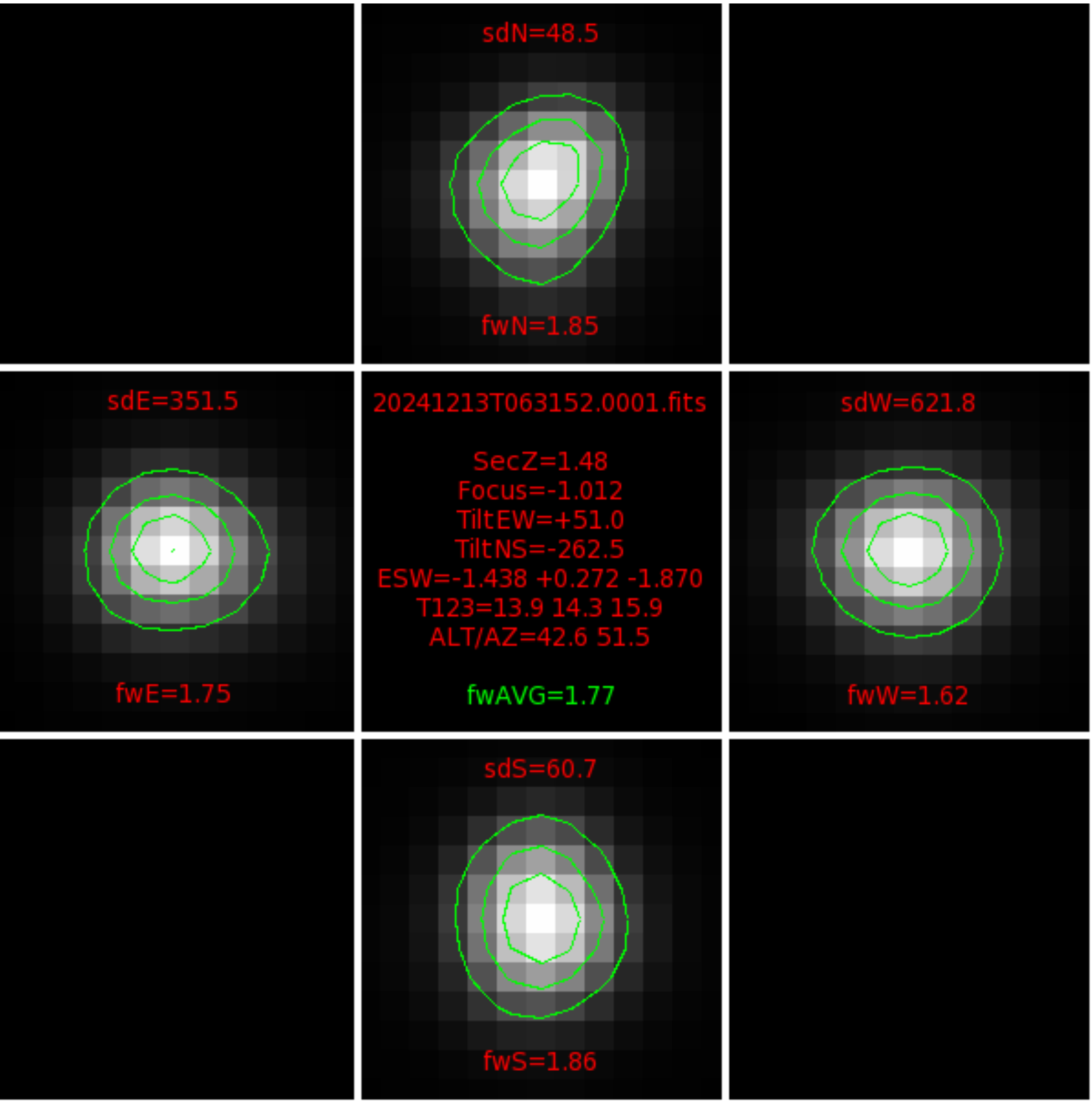
sdN=48.5
fwN=1.85
sdE=351.5
fwE=1.75
20241213T063152.0001.fits
SecZ=1.48
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=13.9 14.3 15.9
ALT/AZ=42.6 51.5
fwAVG=1.77
sdW=621.8
fwW=1.62
sdS=60.7
fwS=1.86
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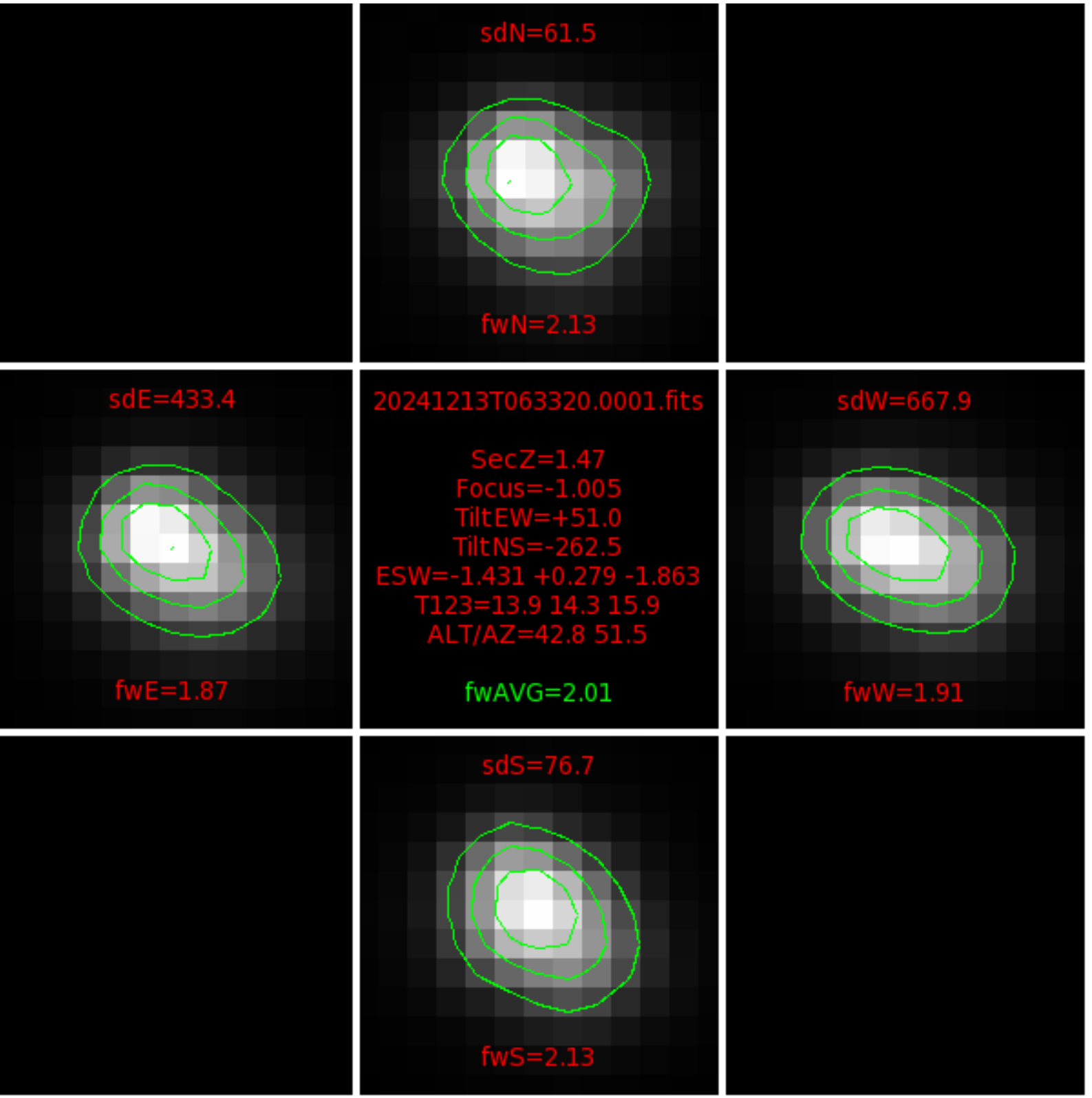
sdN=61.5
fwN=2.13
sdE=433.4
fwE=1.87
20241213T063320.0001.fits
SecZ=1.47
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.9 14.3 15.9
ALT/AZ=42.8 51.5
fwAVG=2.01
sdW=667.9
fwW=1.91
sdS=76.7
fwS=2.13
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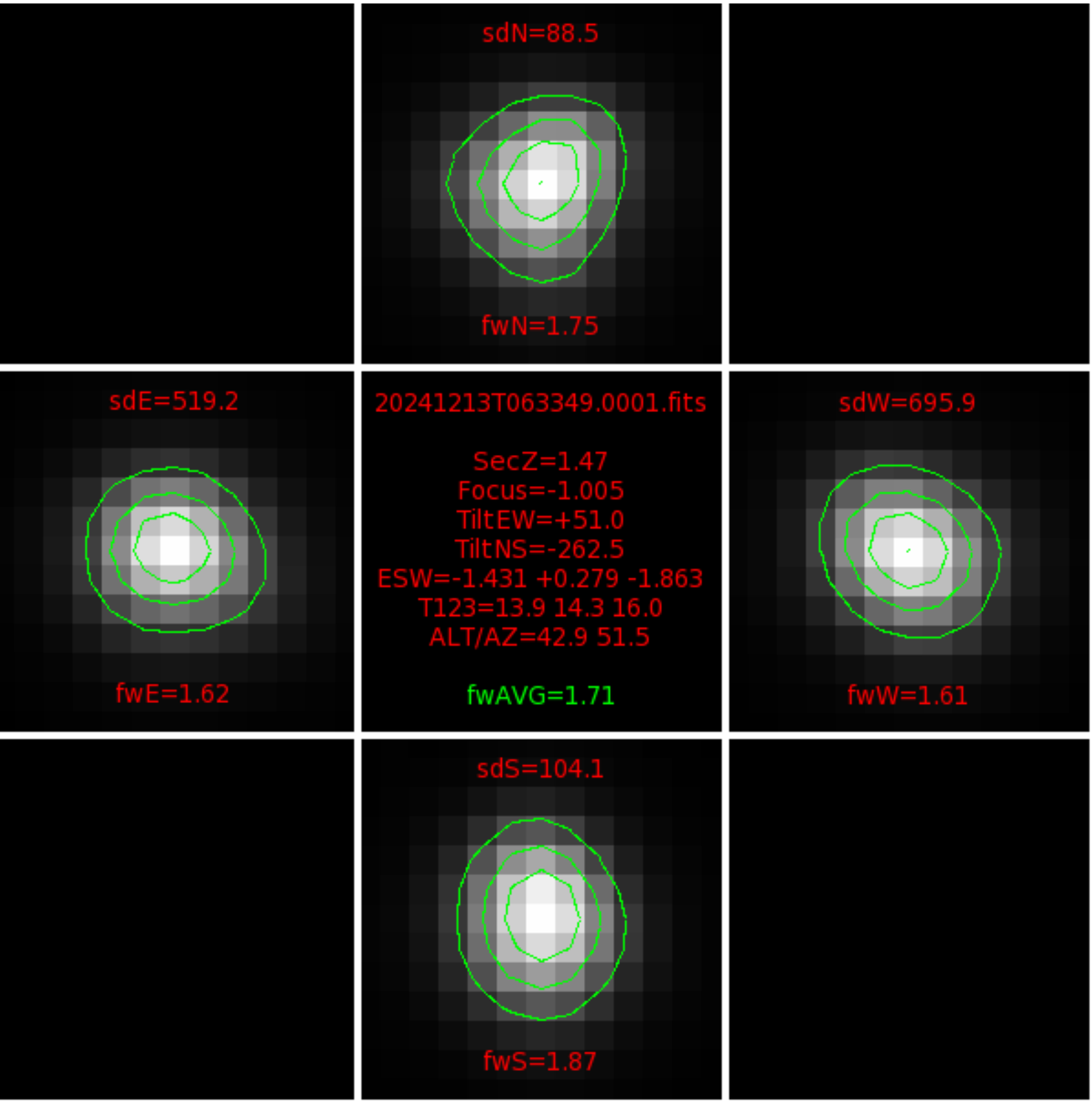
sdN=88.5
fwN=1.75
sdE=519.2
fwE=1.62
20241213T063349.0001.fits
SecZ=1.47
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.9 14.3 16.0
ALT/AZ=42.9 51.5
fwAVG=1.71
sdW=695.9
fwW=1.61
sdS=104.1
fwS=1.87
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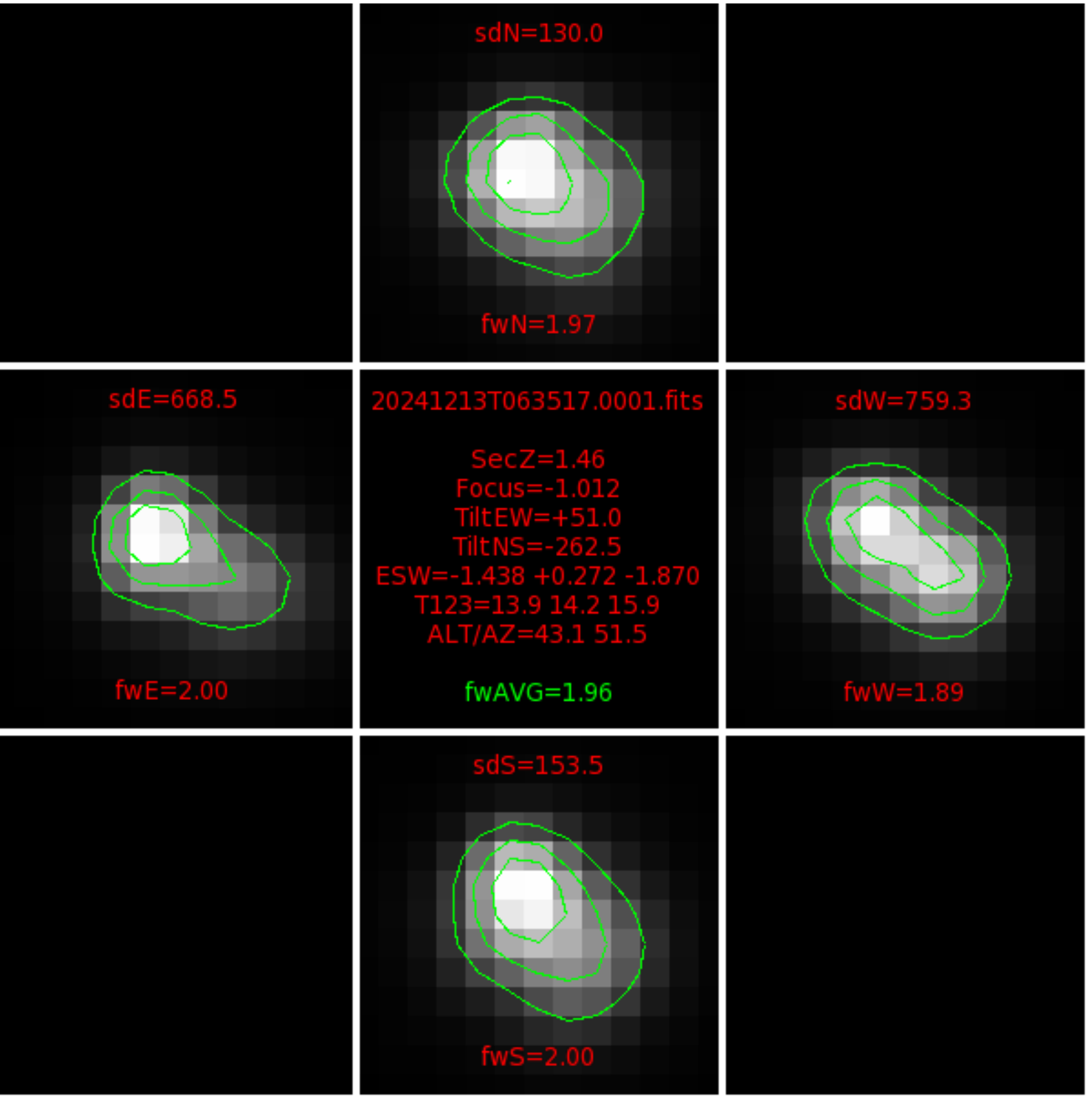
sdN=130.0
fwN=1.97
sdE=668.5
fwE=2.00
20241213T063517.0001.fits
SecZ=1.46
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=13.9 14.2 15.9
ALT/AZ=43.1 51.5
fwAVG=1.96
sdW=759.3
fwW=1.89
sdS=153.5
fwS=2.00
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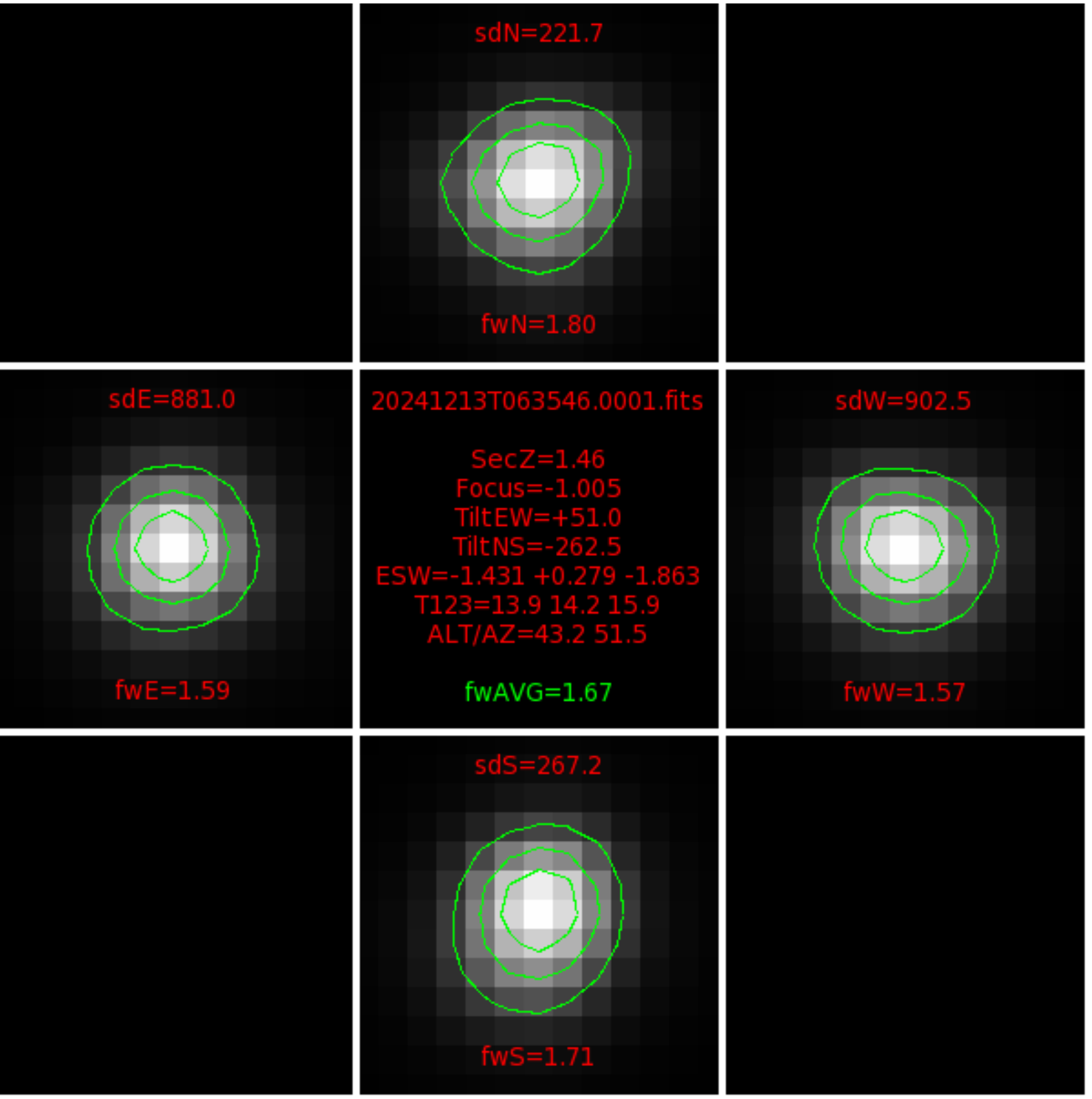
sdN=221.7
fwN=1.80
sdE=881.0
fwE=1.59
20241213T063546.0001.fits
SecZ=1.46
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.9 14.2 15.9
ALT/AZ=43.2 51.5
fwAVG=1.67
sdW=902.5
fwW=1.57
sdS=267.2
fwS=1.71
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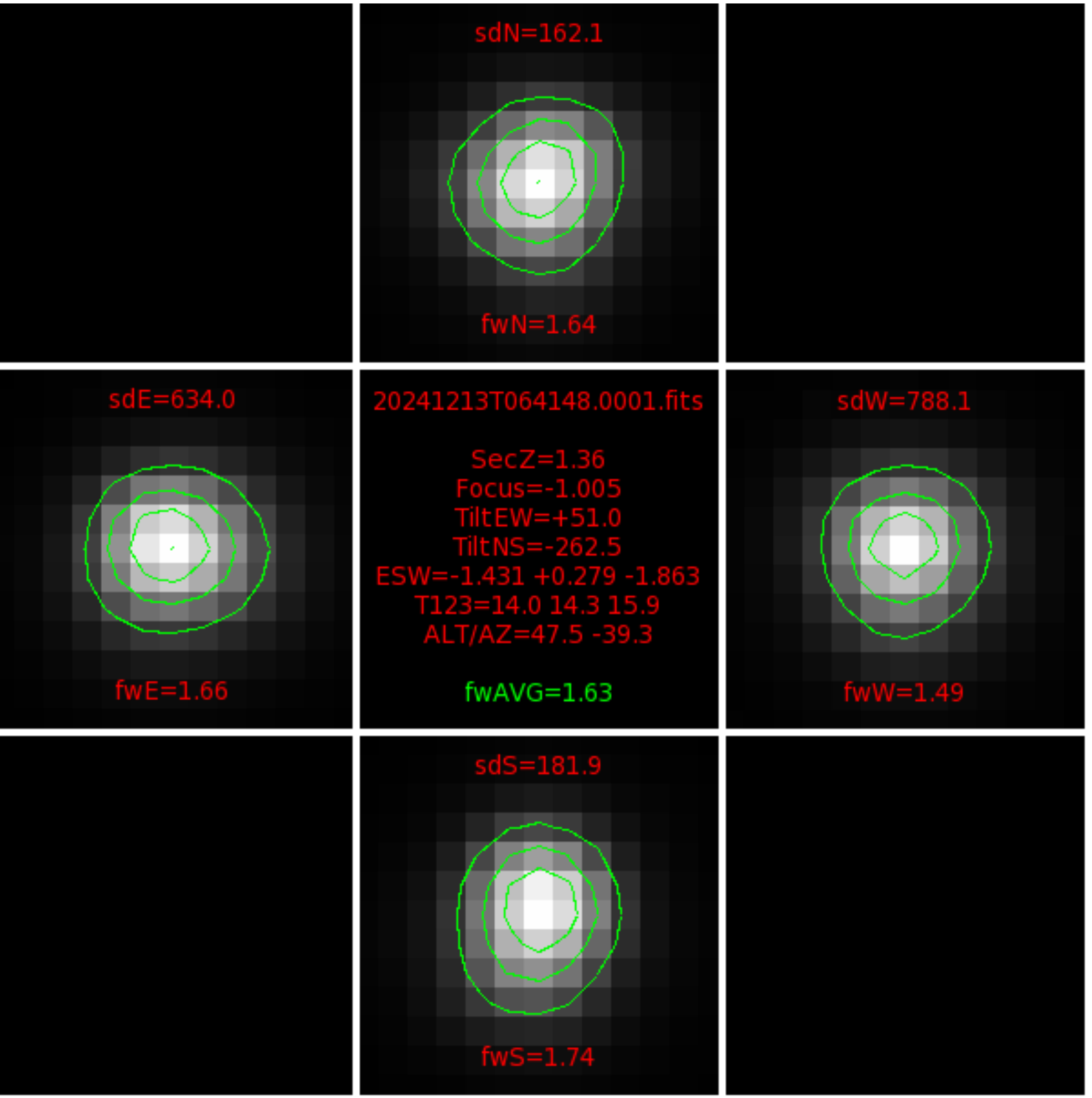
sdN=162.1
fwN=1.64
sdE=634.0
fwE=1.66
20241213T064148.0001.fits
SecZ=1.36
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=14.0 14.3 15.9
ALT/AZ=47.5 -39.3
fwAVG=1.63
sdW=788.1
fwW=1.49
sdS=181.9
fwS=1.74
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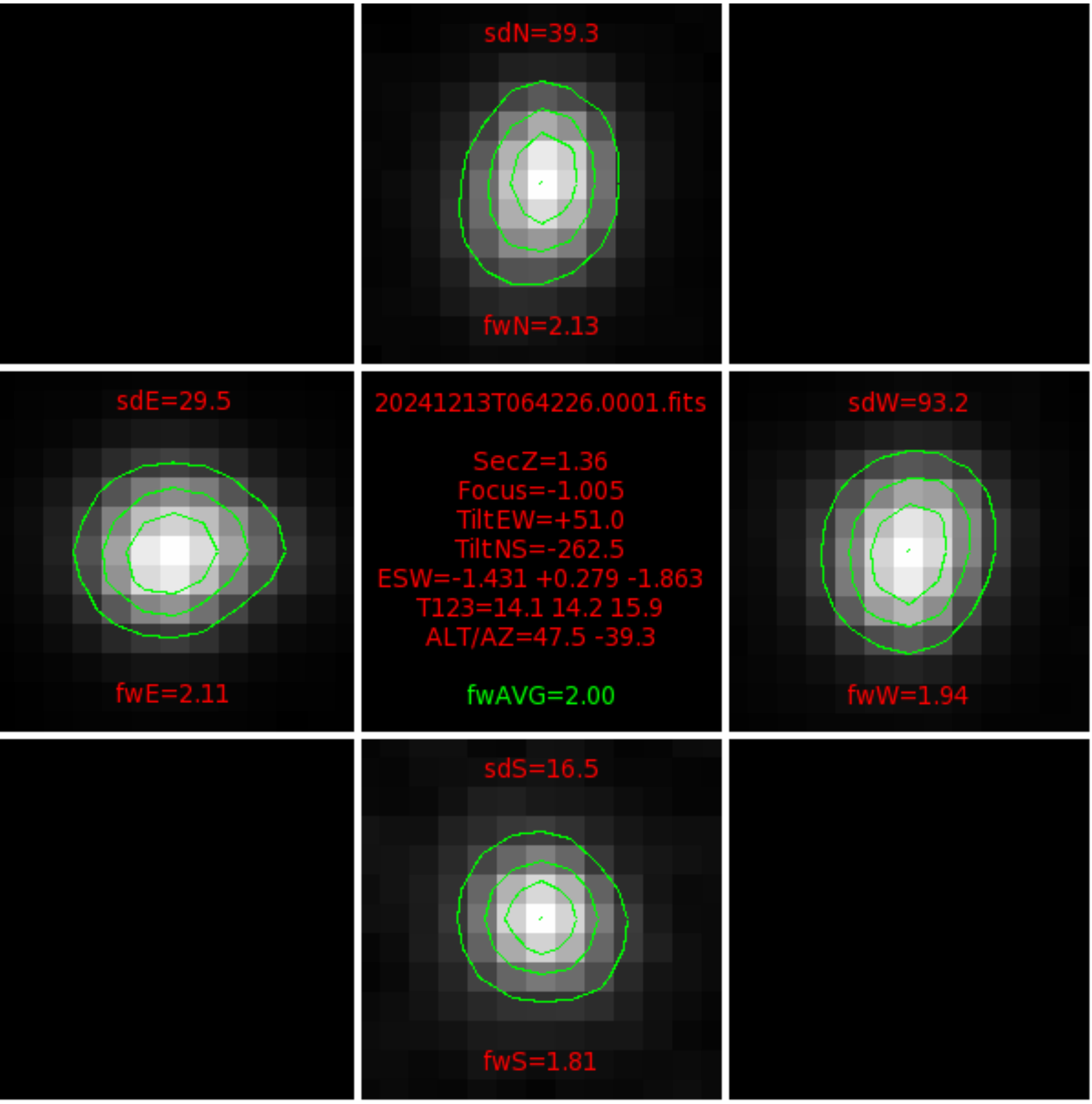
sdN=39.3
fwN=2.13
sdE=29.5
fwE=2.11
20241213T064226.0001.fits
SecZ=1.36
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=14.1 14.2 15.9
ALT/AZ=47.5 -39.3
fwAVG=2.00
sdW=93.2
fwW=1.94
sdS=16.5
fwS=1.81
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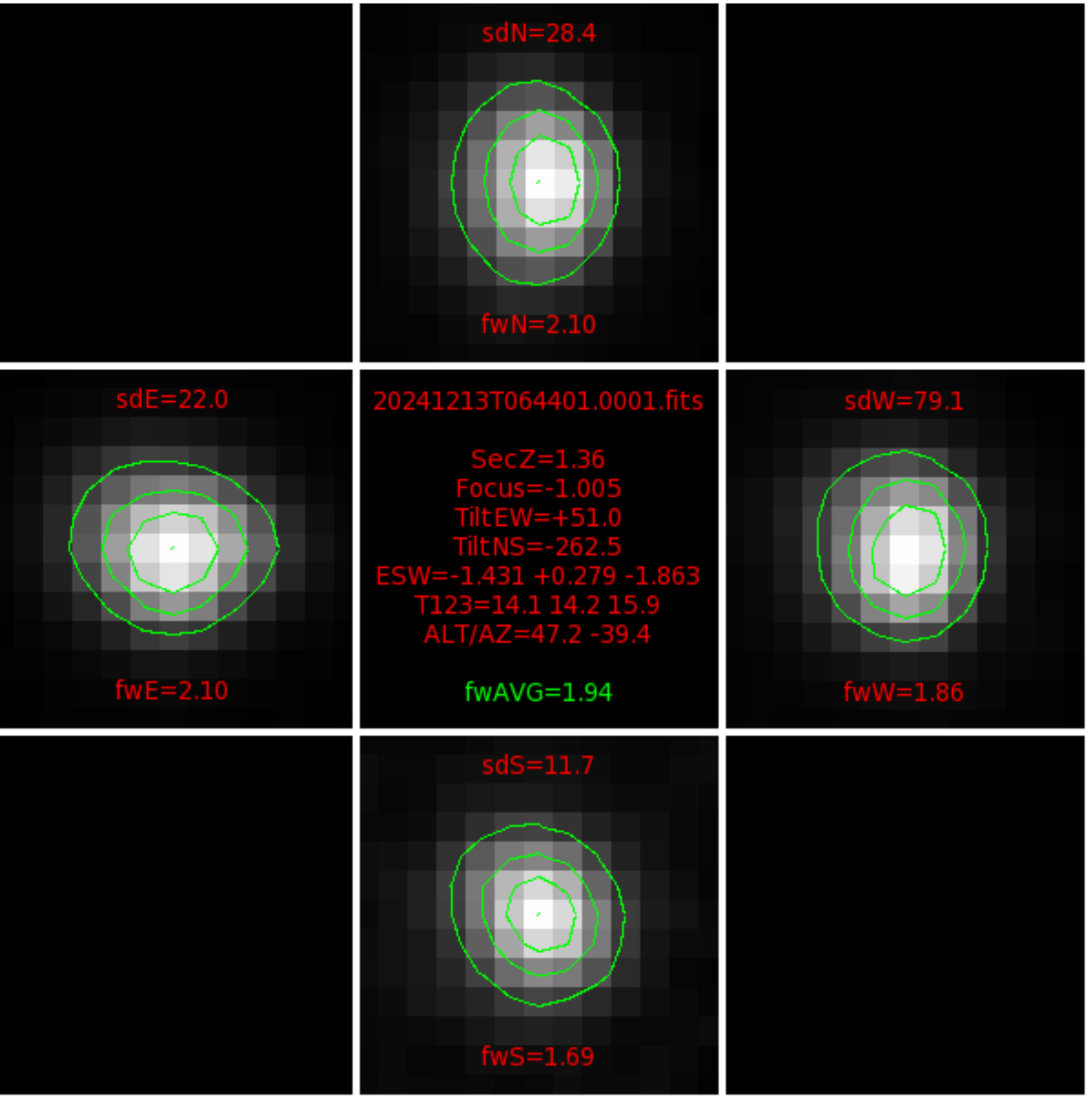
sdN=28.4
fwN=2.10
sdE=22.0
fwE=2.10
20241213T064401.0001.fits
SecZ=1.36
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=14.1 14.2 15.9
ALT/AZ=47.2 -39.4
fwAVG=1.94
sdW=79.1
fwW=1.86
sdS=11.7
fwS=1.69
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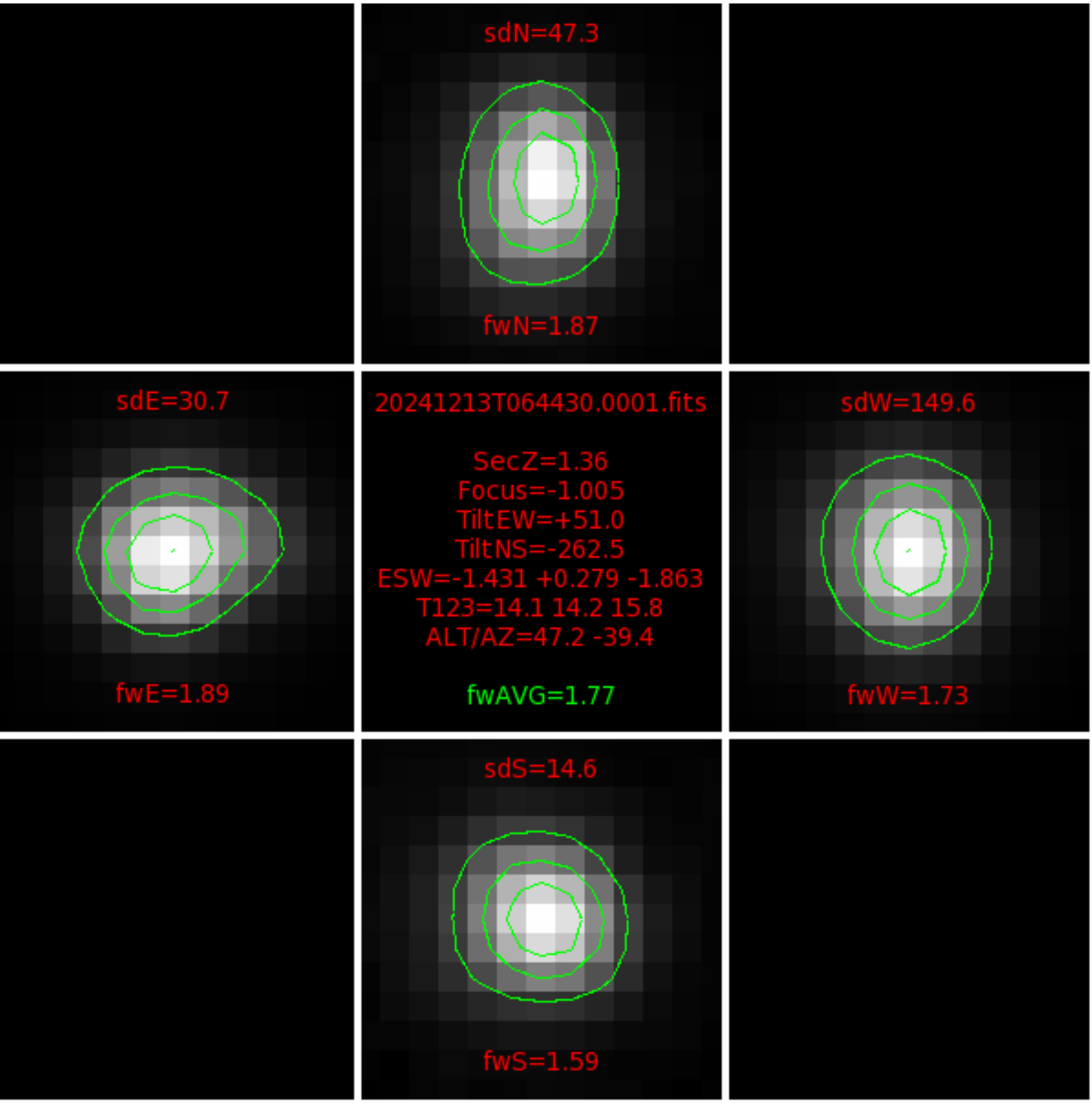
sdN=47.3
fwN=1.87
sdE=30.7
fwE=1.89
20241213T064430.0001.fits
SecZ=1.36
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=14.1 14.2 15.8
ALT/AZ=47.2 -39.4
fwAVG=1.77
sdW=149.6
fwW=1.73
sdS=14.6
fwS=1.59
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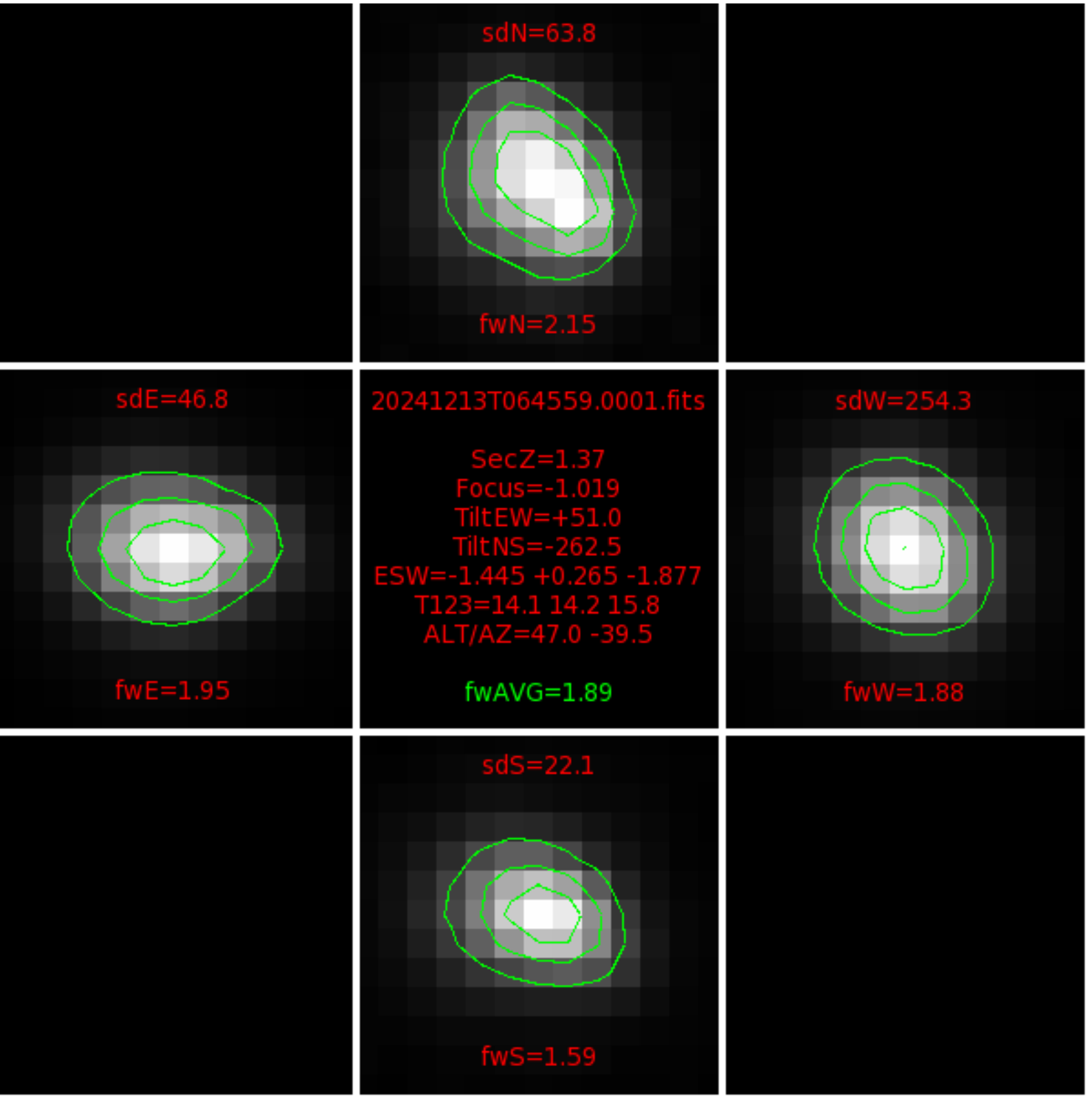
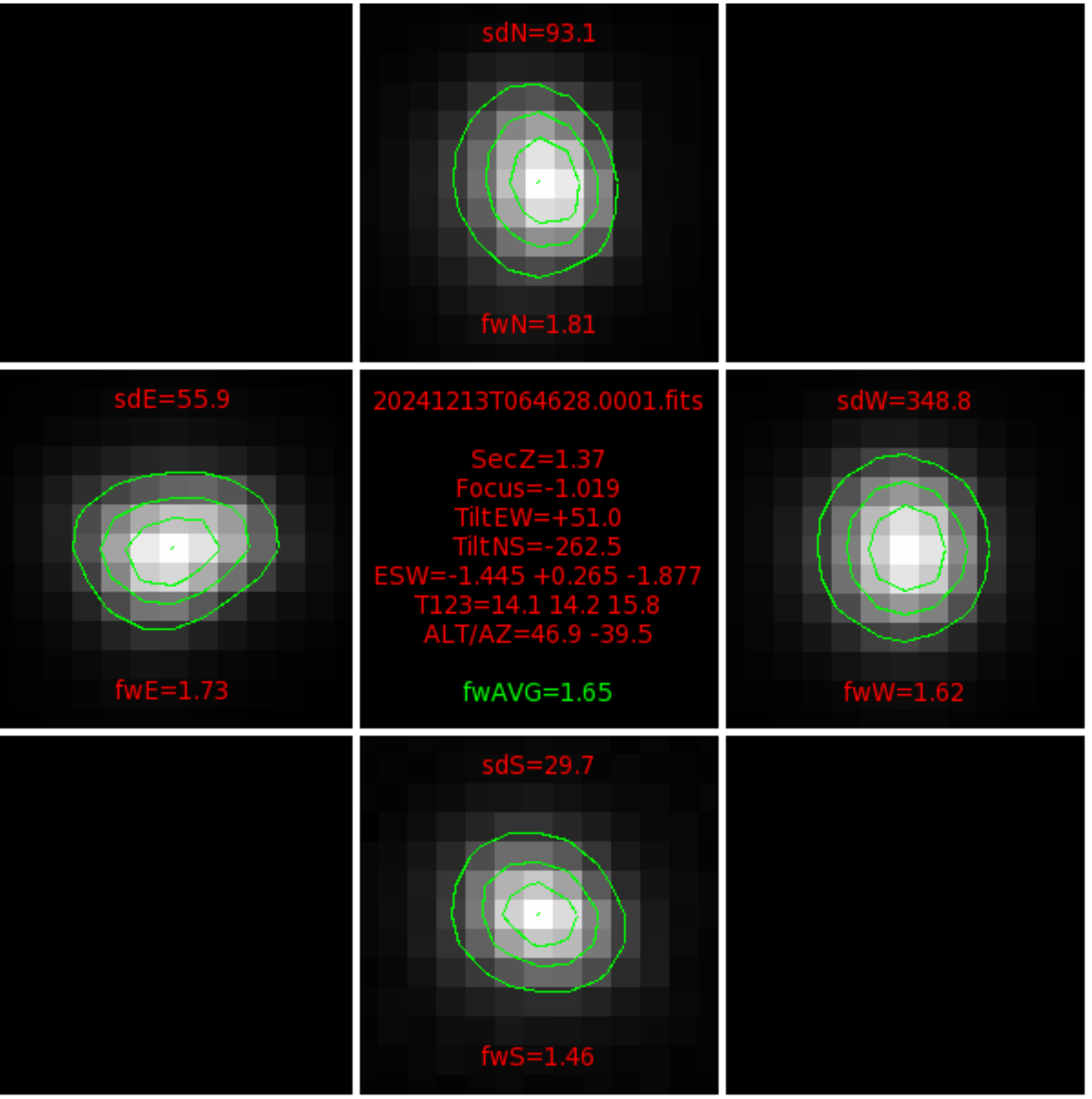

sdN=63.8
fwN=2.15
sdE=46.8
fwE=1.95
20241213T064559.0001.fits
SecZ=1.37
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.1 14.2 15.8
ALT/AZ=47.0 -39.5
fwAVG=1.89
sdW=254.3
fwW=1.88
sdS=22.1
fwS=1.59
0 0 0 0 0 0 0 0 0


sdN=93.1
fwN=1.81
sdE=55.9
fwE=1.73
20241213T064628.0001.fits
SecZ=1.37
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.1 14.2 15.8
ALT/AZ=46.9 -39.5
fwAVG=1.65
sdW=348.8
fwW=1.62
sdS=29.7
fwS=1.46
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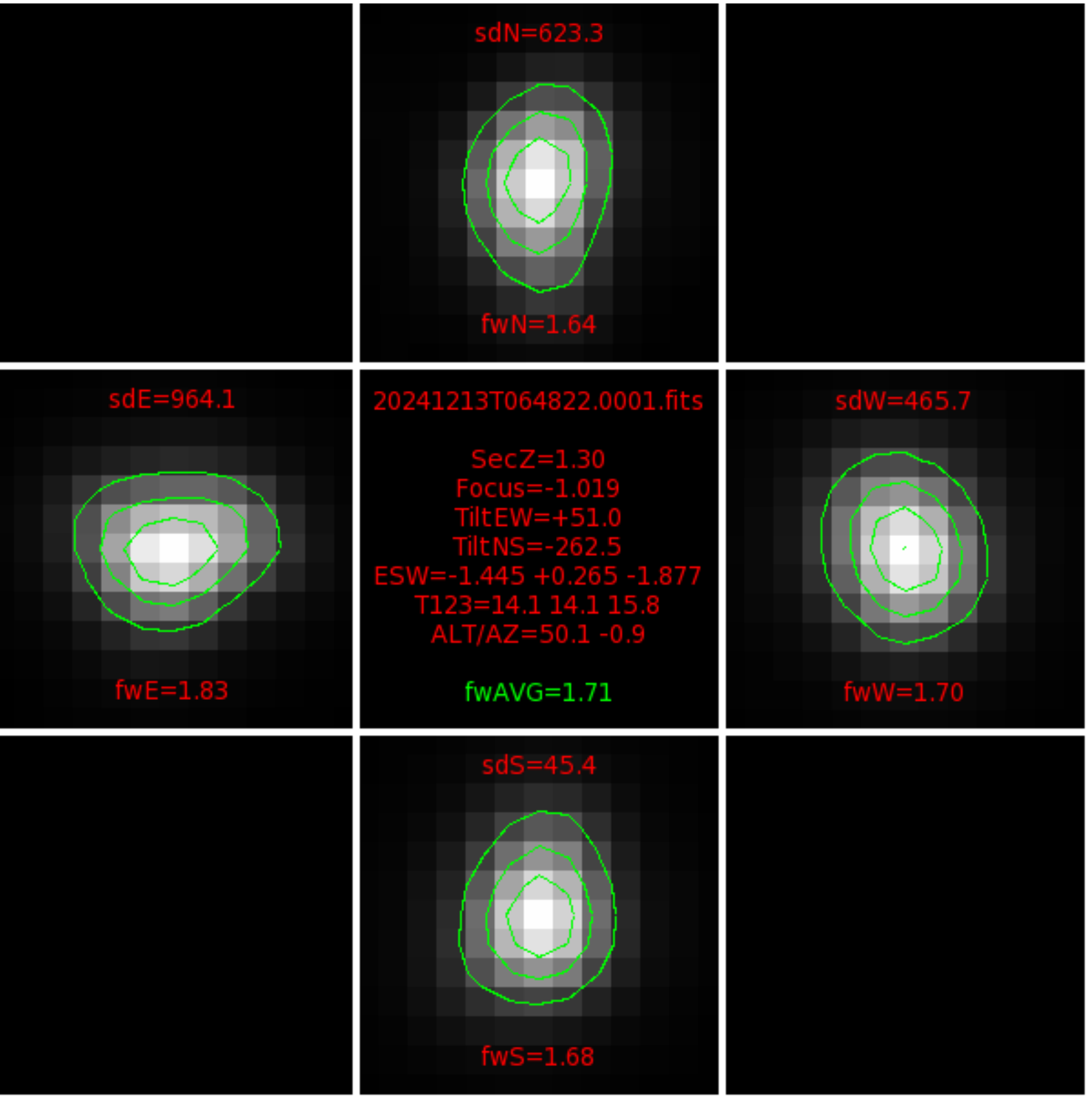
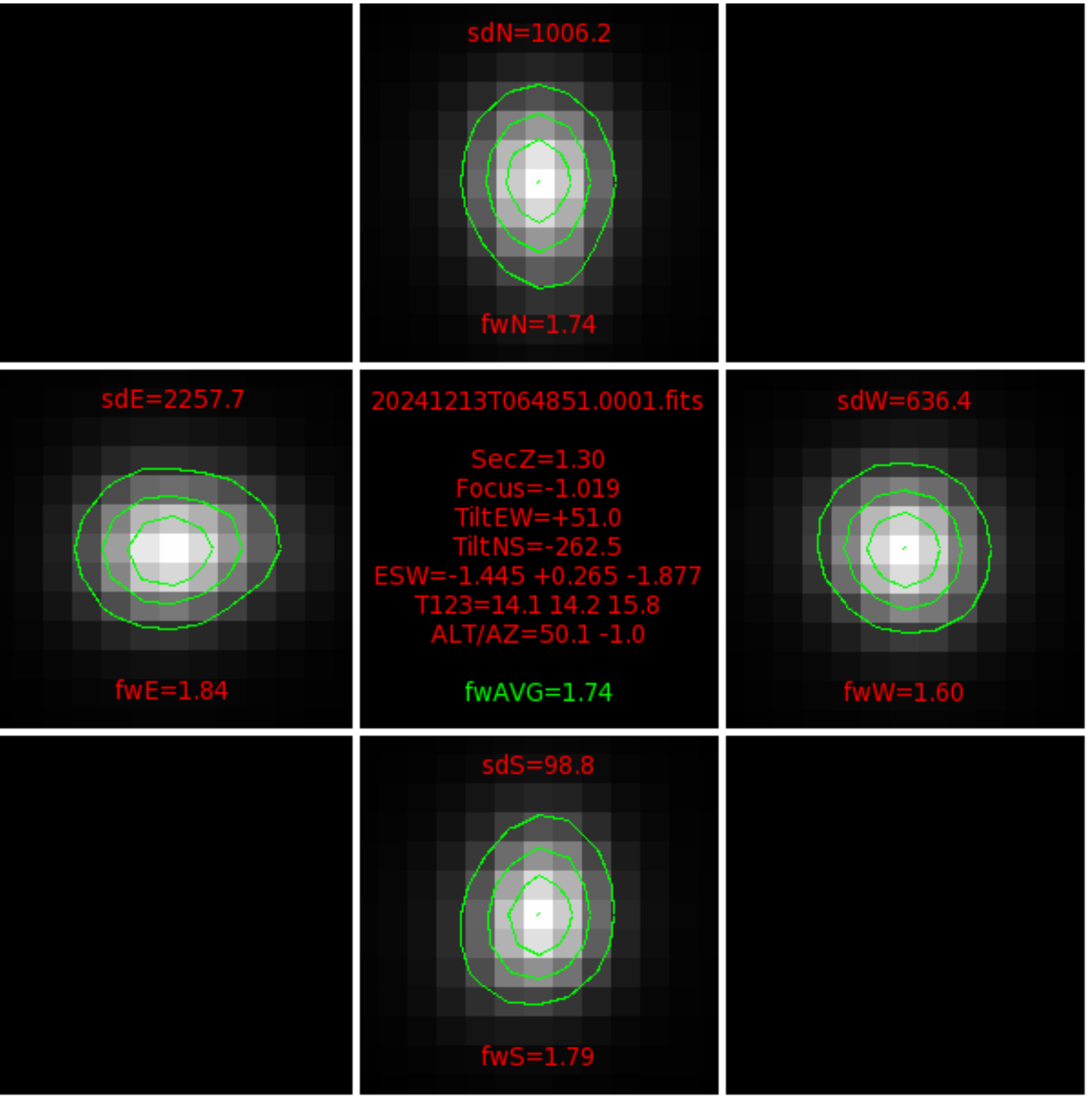

sdN=623.3
fwN=1.64
sdE=964.1
fwE=1.83
20241213T064822.0001.fits
SecZ=1.30
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.1 14.1 15.8
ALT/AZ=50.1 -0.9
fwAVG=1.71
sdW=465.7
fwW=1.70
sdS=45.4
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=1006.2
fwN=1.74
sdE=2257.7
fwE=1.84
20241213T064851.0001.fits
SecZ=1.30
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.1 14.2 15.8
ALT/AZ=50.1 -1.0
fwAVG=1.74
sdW=636.4
fwW=1.60
sdS=98.8
fwS=1.79
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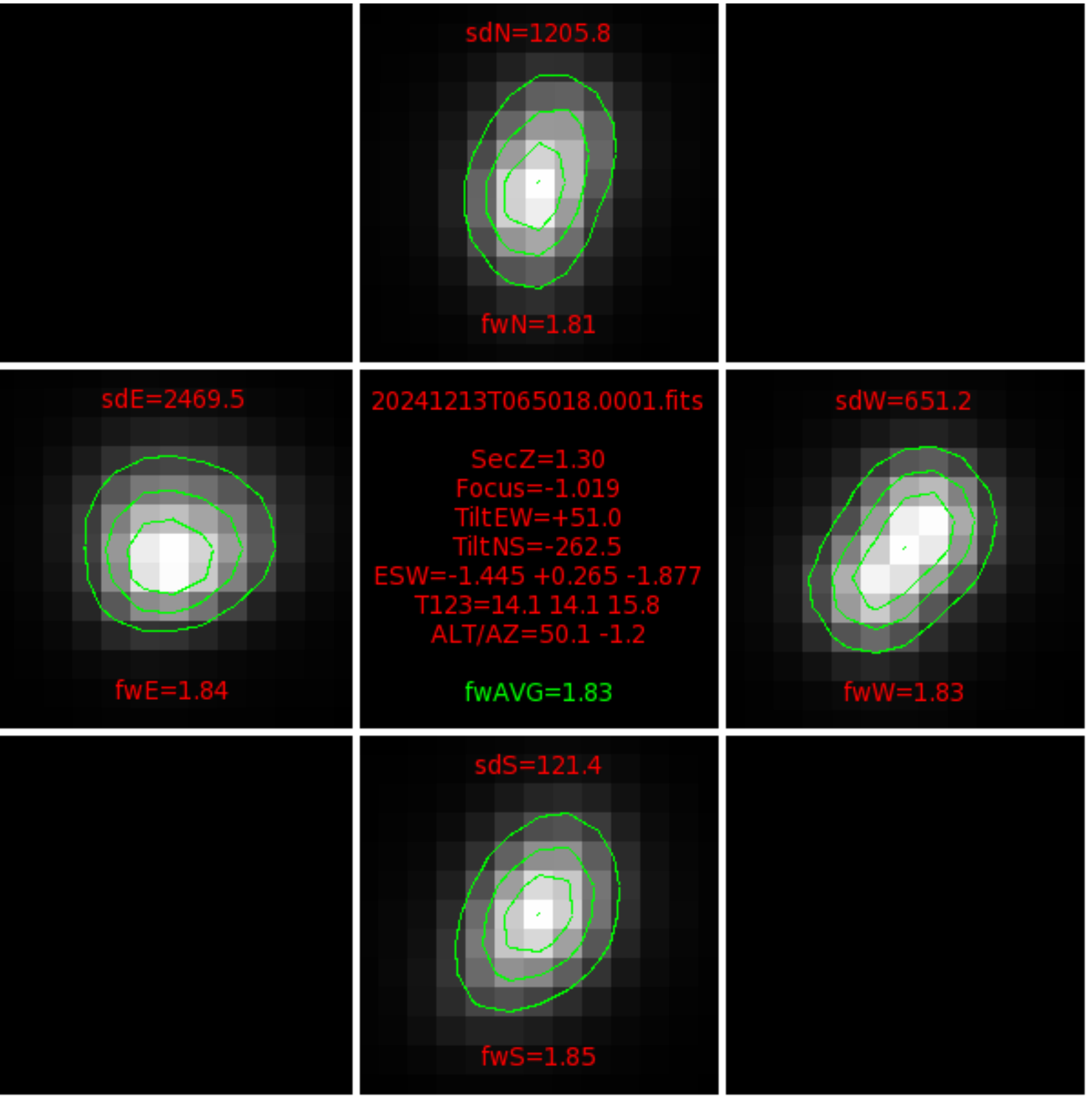
sdN=1205.8
fwN=1.81
sdE=2469.5
fwE=1.84
20241213T065018.0001.fits
SecZ=1.30
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.1 14.1 15.8
ALT/AZ=50.1 -1.2
fwAVG=1.83
sdW=651.2
fwW=1.83
sdS=121.4
fwS=1.85
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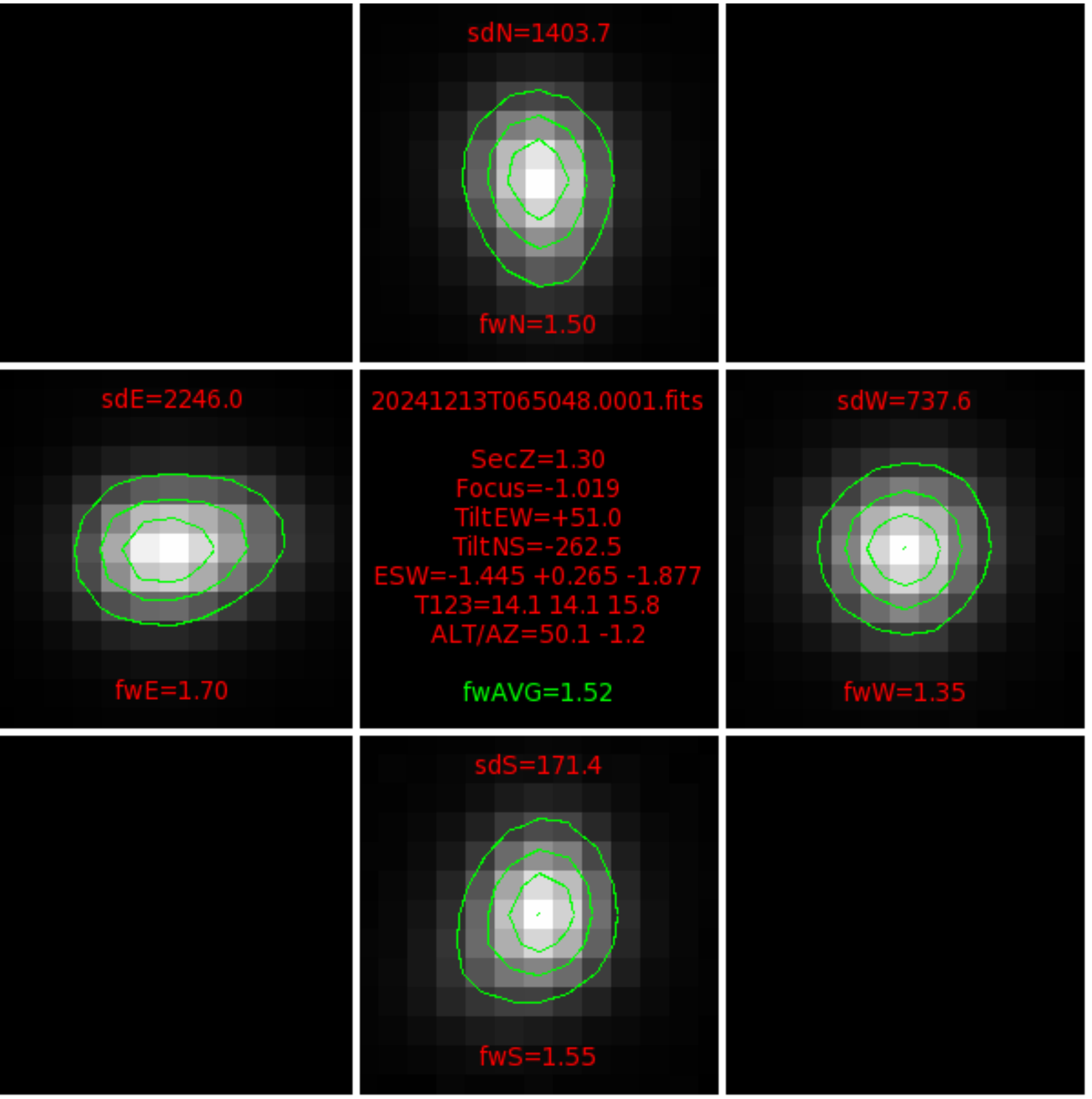
sdN=1403.7
fwN=1.50
sdE=2246.0
fwE=1.70
20241213T065048.0001.fits
SecZ=1.30
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.1 14.1 15.8
ALT/AZ=50.1 -1.2
fwAVG=1.52
sdW=737.6
fwW=1.35
sdS=171.4
fwS=1.55
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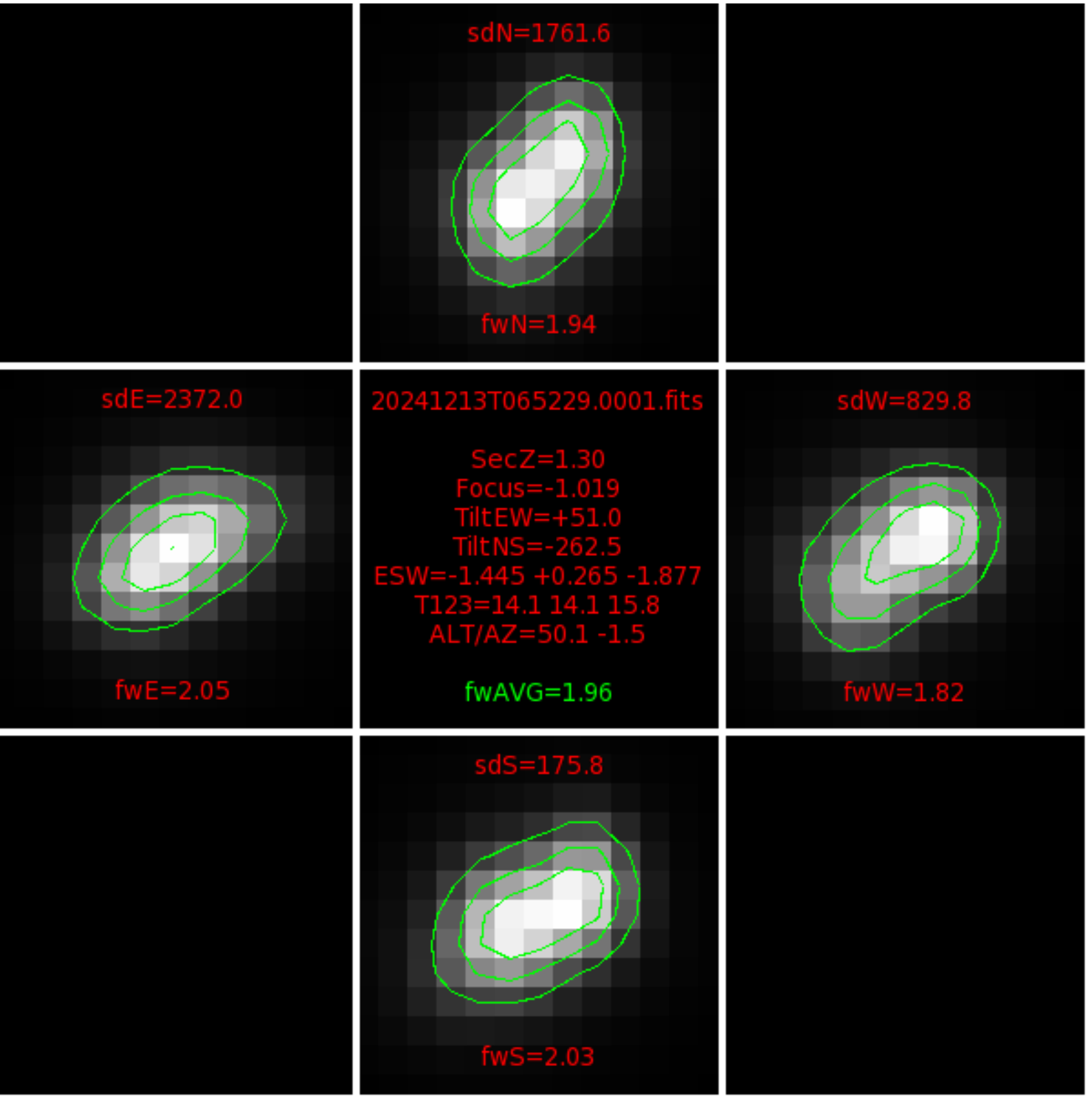
sdN=1761.6
fwN=1.94
sdE=2372.0
fwE=2.05
20241213T065229.0001.fits
SecZ=1.30
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.1 14.1 15.8
ALT/AZ=50.1 -1.5
fwAVG=1.96
sdW=829.8
fwW=1.82
sdS=175.8
fwS=2.03
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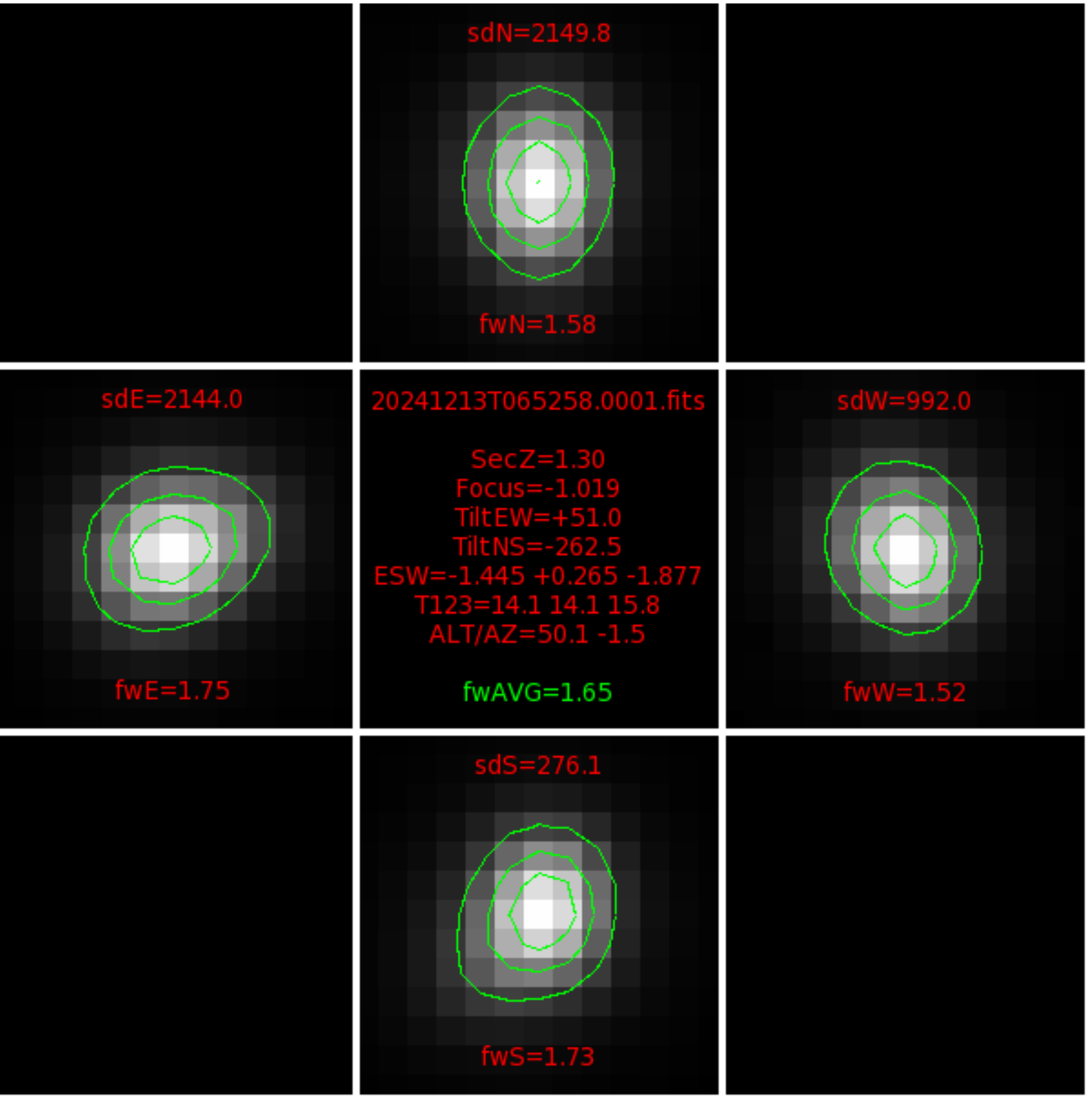
sdN=2149.8
fwN=1.58
sdE=2144.0
fwE=1.75
20241213T065258.0001.fits
SecZ=1.30
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.1 14.1 15.8
ALT/AZ=50.1 -1.5
fwAVG=1.65
sdW=992.0
fwW=1.52
sdS=276.1
fwS=1.73
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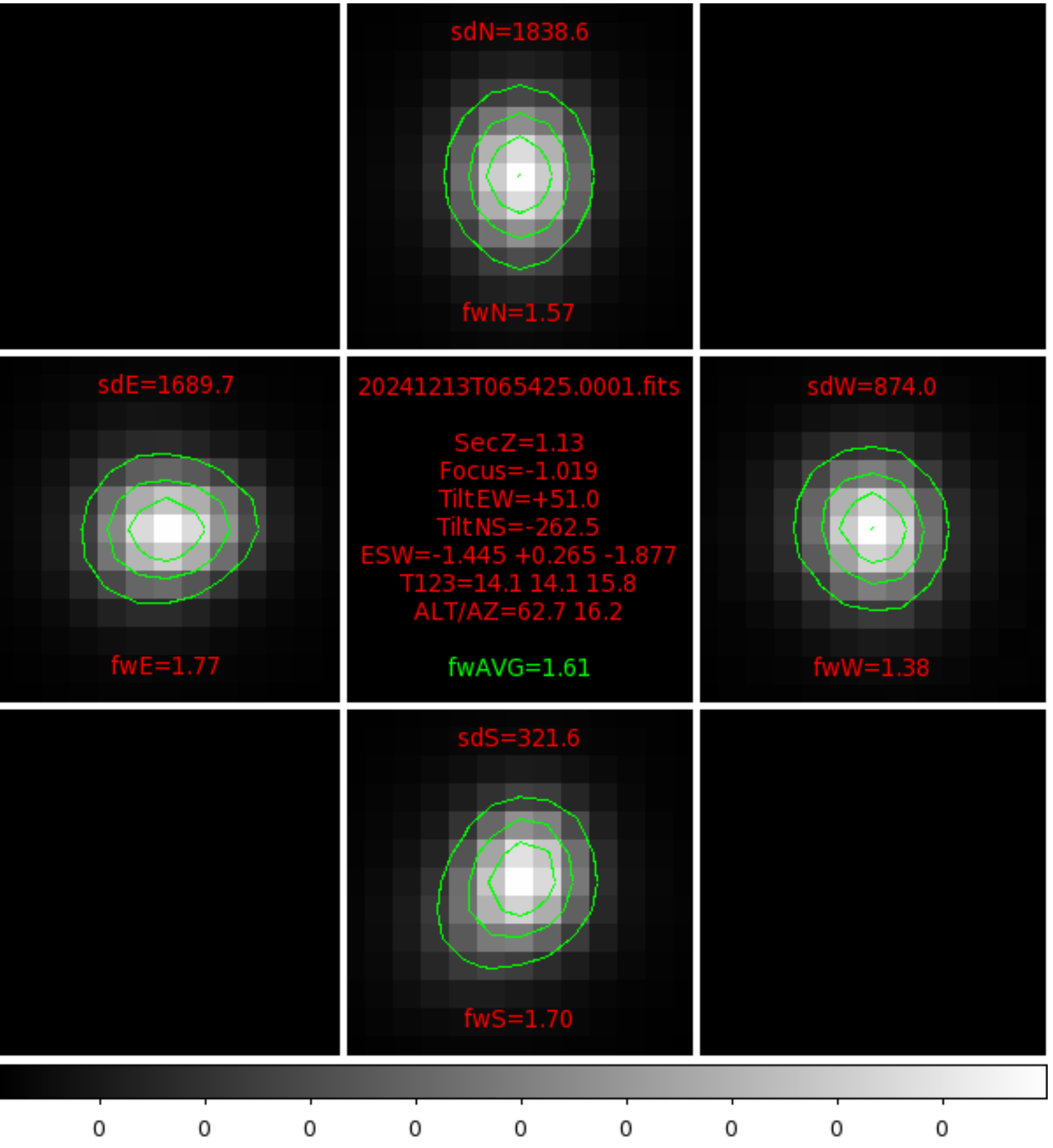
sdN=1838.6
fwN=1.57
sdE=1689.7
fwE=1.77
20241213T065425.0001.fits
SecZ=1.13
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.1 14.1 15.8
ALT/AZ=62.7 16.2
fwAVG=1.61
sdW=874.0
fwW=1.38
sdS=321.6
fwS=1.70
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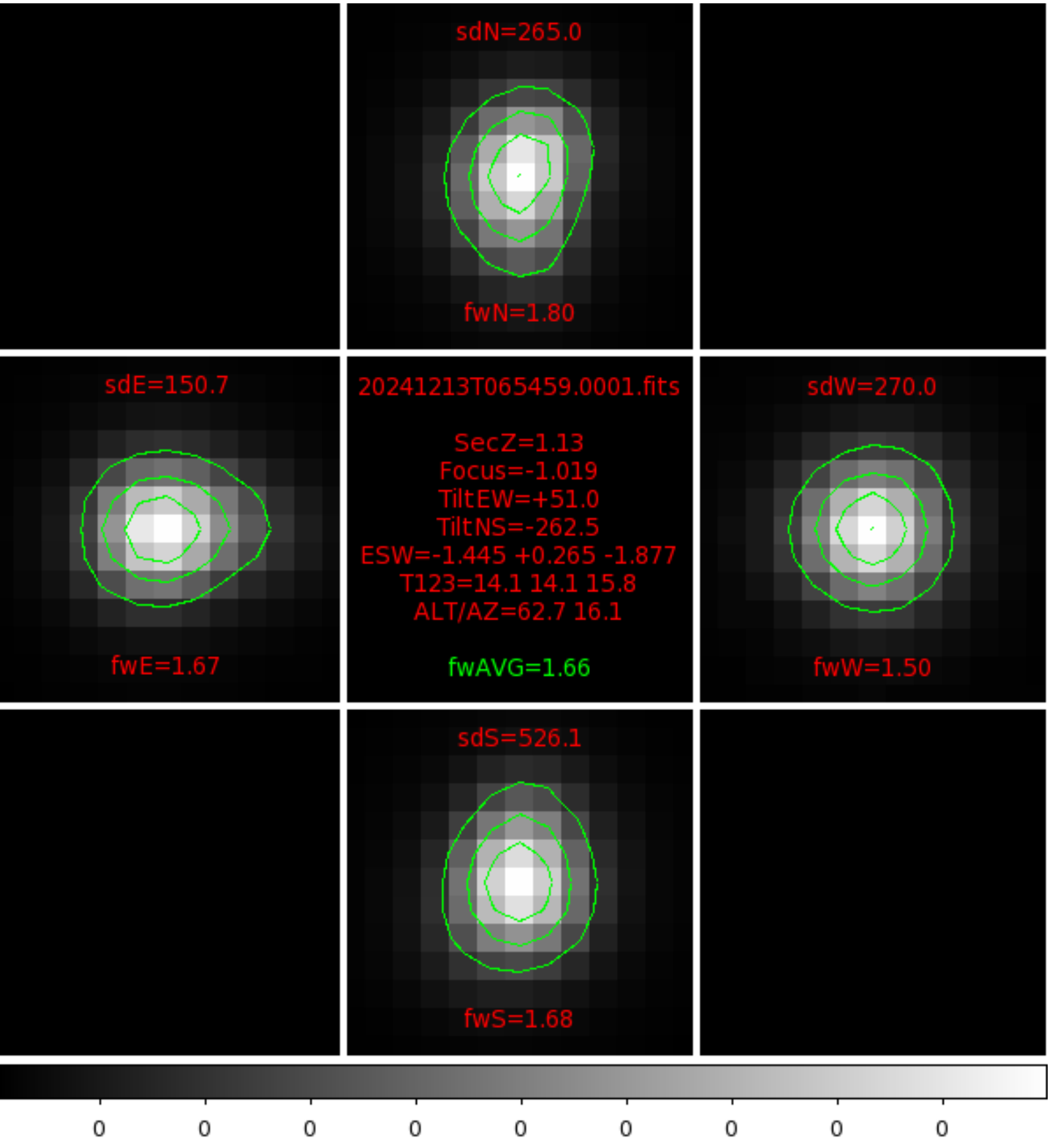
sdN=265.0
fwN=1.80
sdE=150.7
fwE=1.67
20241213T065459.0001.fits
SecZ=1.13
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.1 14.1 15.8
ALT/AZ=62.7 16.1
fwAVG=1.66
sdW=270.0
fwW=1.50
sdS=526.1
fwS=1.68
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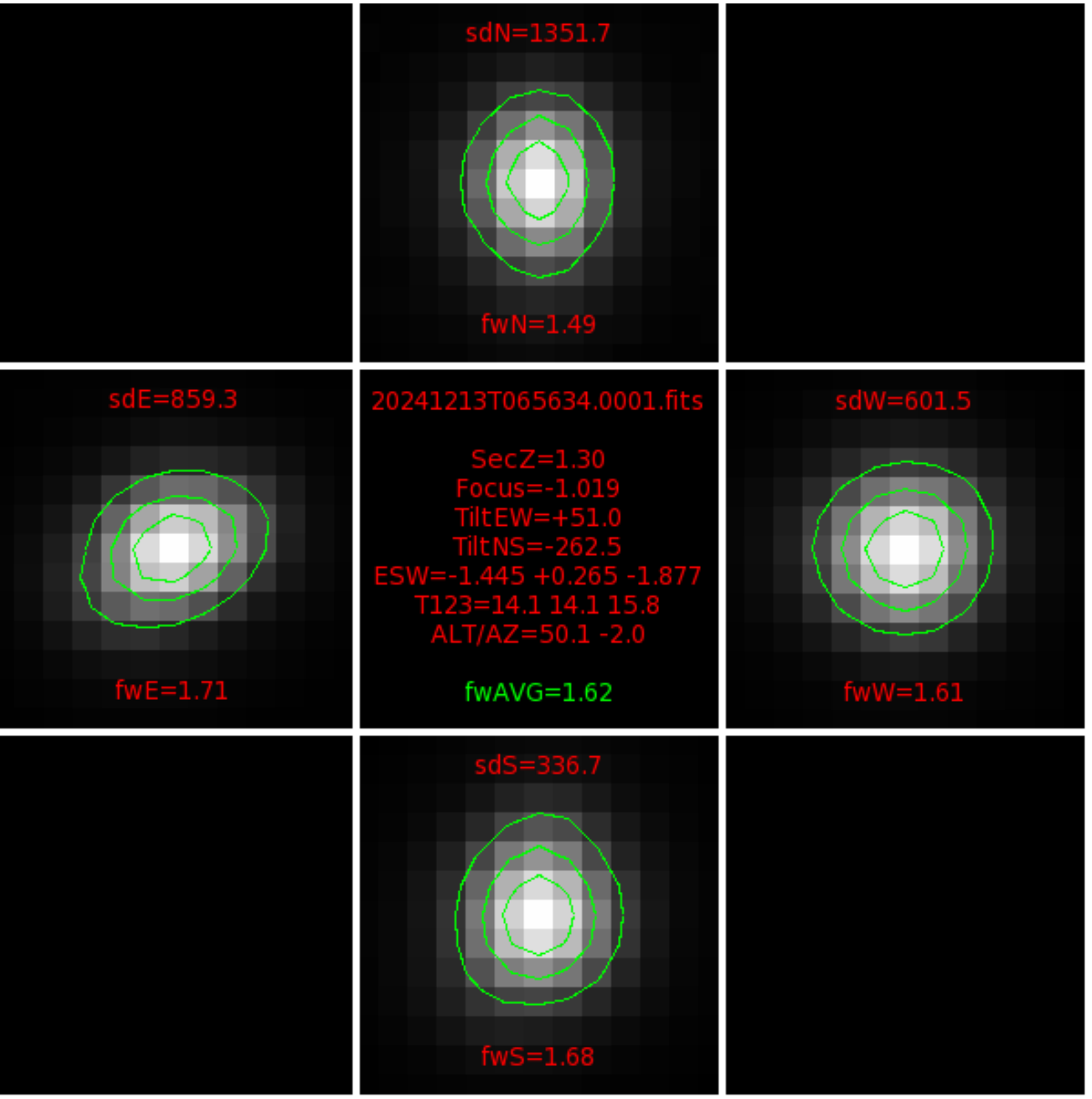
sdN=1351.7
fwN=1.49
sdE=859.3
fwE=1.71
20241213T065634.0001.fits
SecZ=1.30
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.1 14.1 15.8
ALT/AZ=50.1 -2.0
fwAVG=1.62
sdW=601.5
fwW=1.61
sdS=336.7
fwS=1.68
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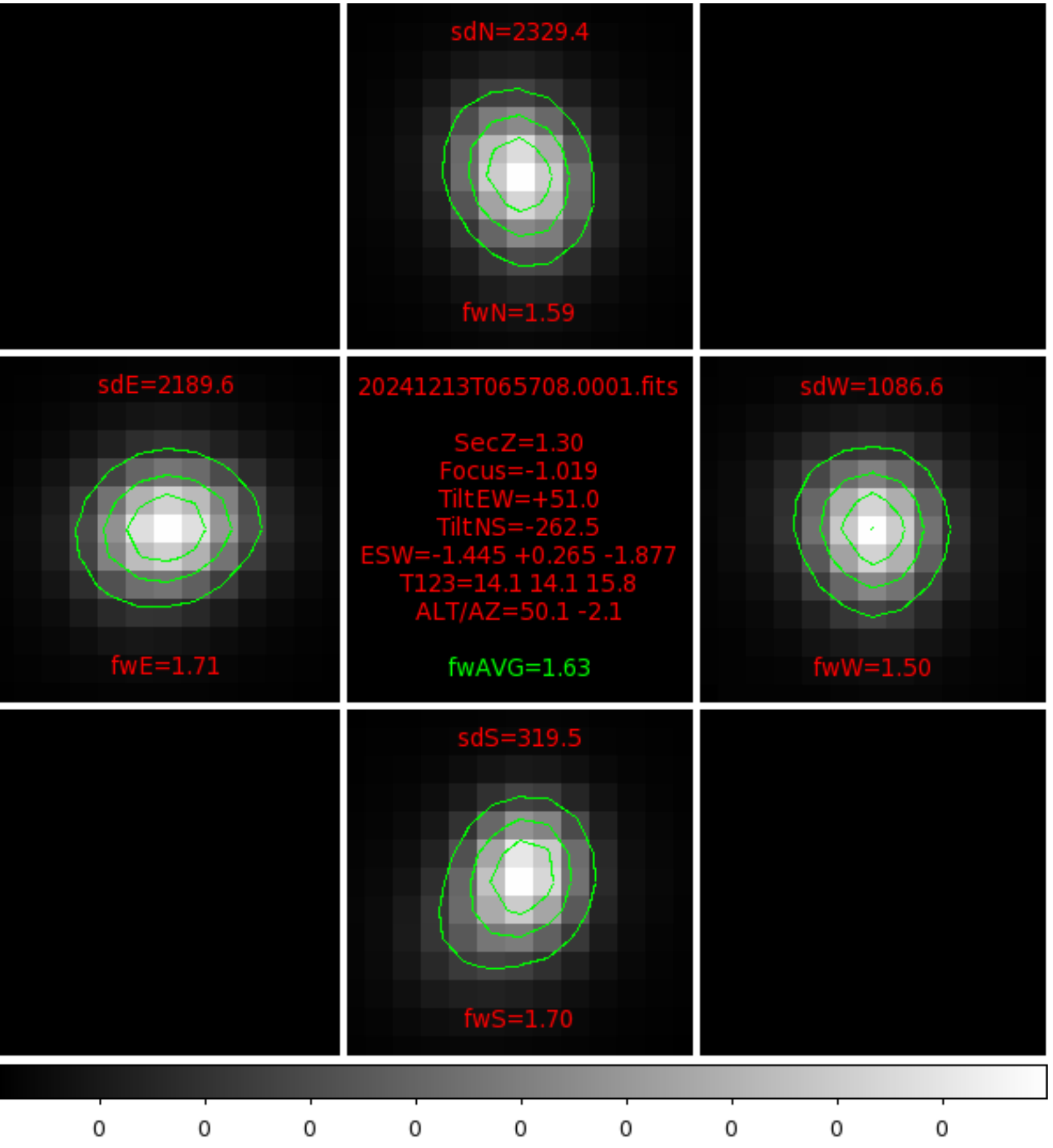
sdN=2329.4
fwN=1.59
sdE=2189.6
fwE=1.71
20241213T065708.0001.fits
SecZ=1.30
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.1 14.1 15.8
ALT/AZ=50.1 -2.1
fwAVG=1.63
sdW=1086.6
fwW=1.50
sdS=319.5
fwS=1.70
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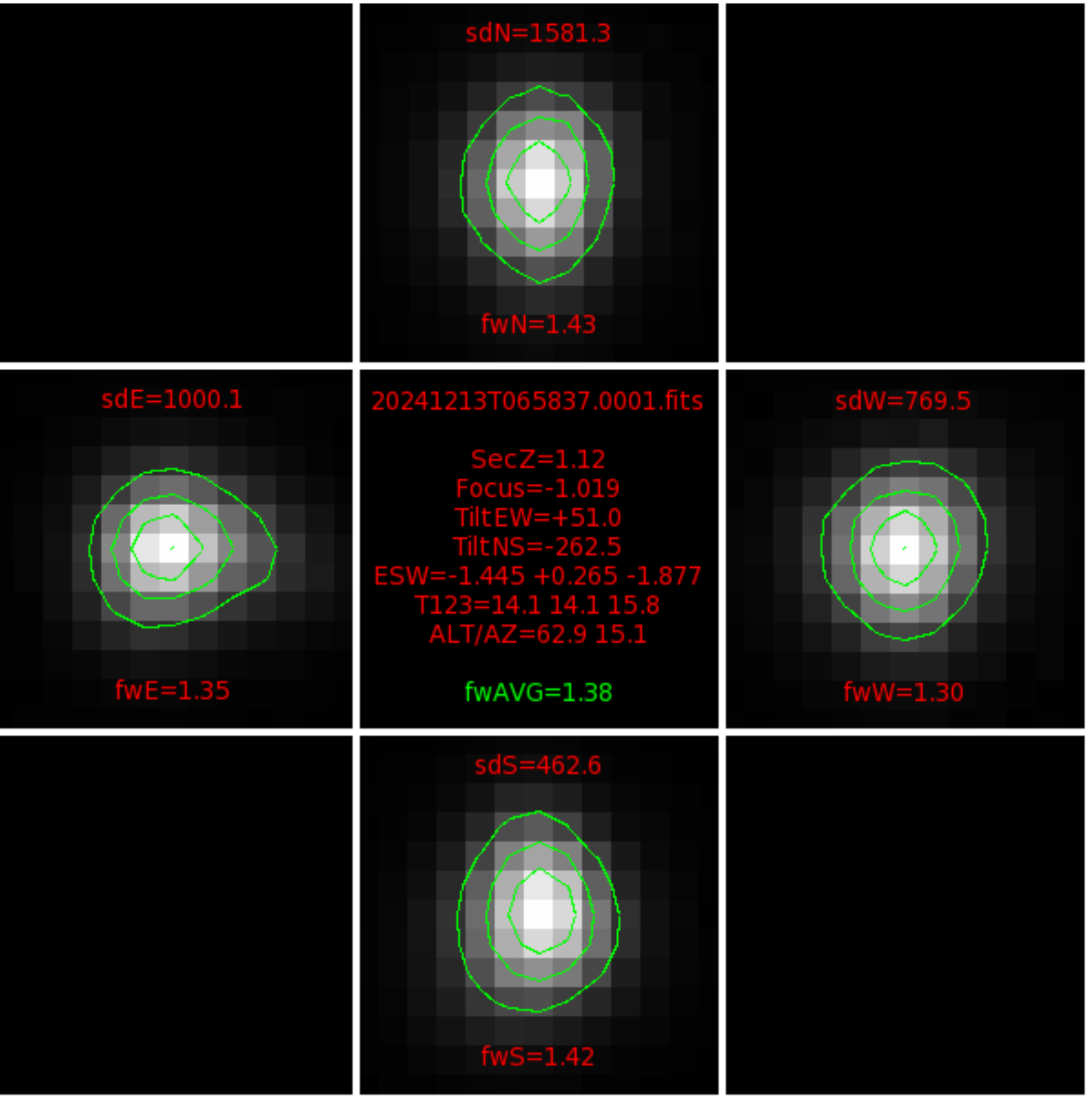
sdN=1581.3
fwN=1.43
sdE=1000.1
fwE=1.35
20241213T065837.0001.fits
SecZ=1.12
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.1 14.1 15.8
ALT/AZ=62.9 15.1
fwAVG=1.38
sdW=769.5
fwW=1.30
sdS=462.6
fwS=1.42
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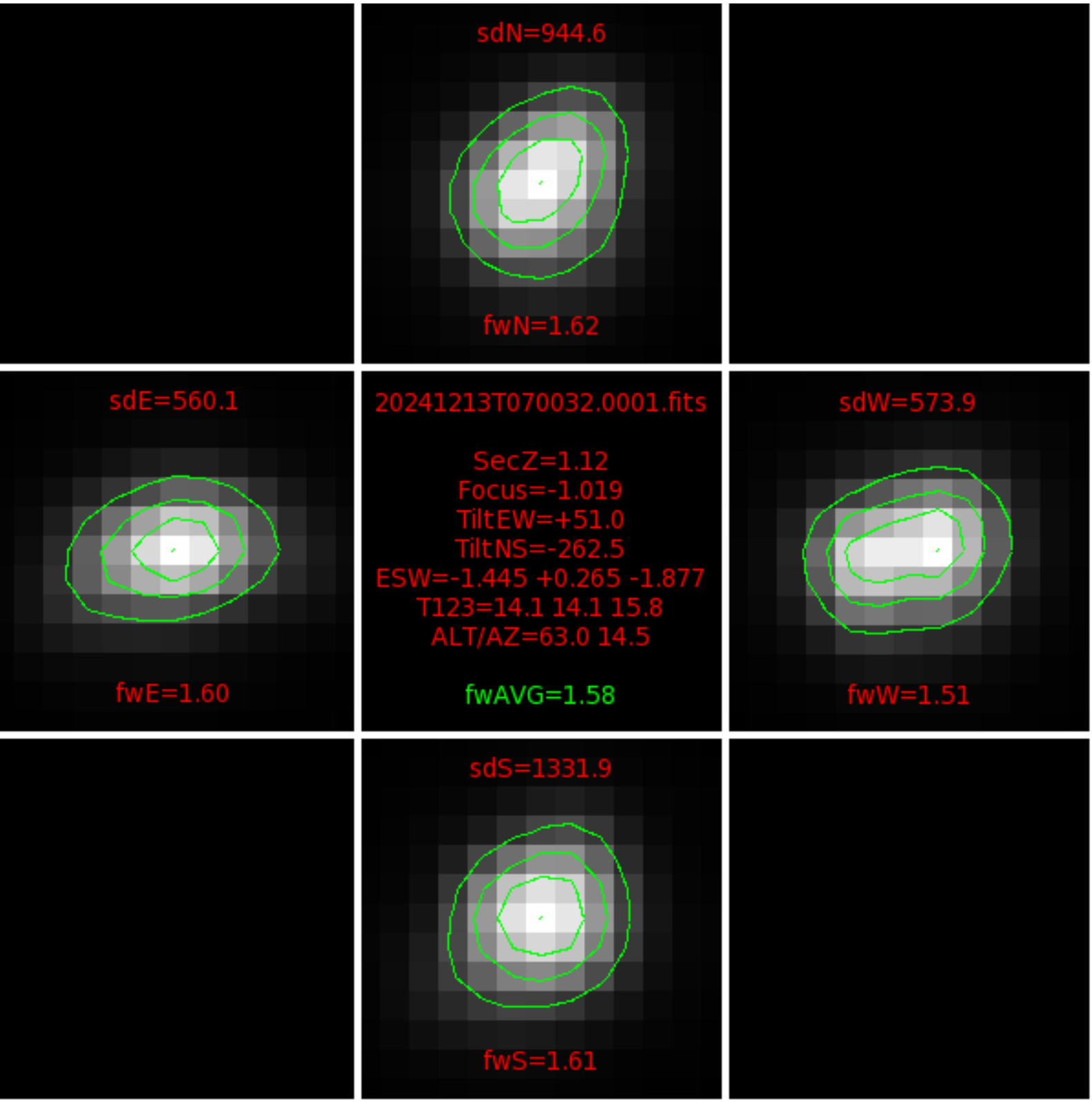
sdN=944.6
fwN=1.62
sdE=560.1
fwE=1.60
20241213T070032.0001.fits
SecZ=1.12
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.1 14.1 15.8
ALT/AZ=63.0 14.5
fwAVG=1.58
sdW=573.9
fwW=1.51
sdS=1331.9
fwS=1.61
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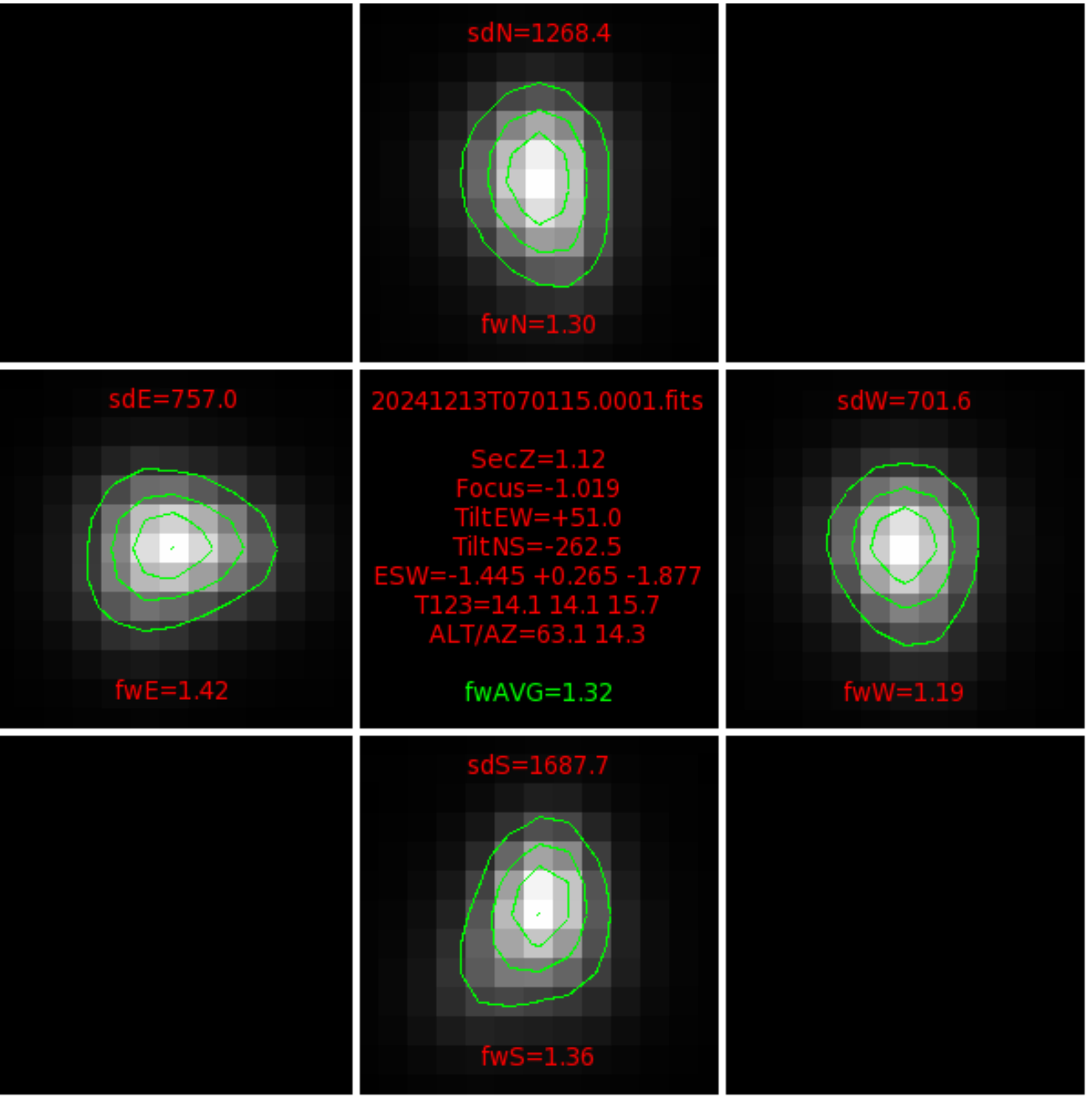
sdN=1268.4
fwN=1.30
sdE=757.0
fwE=1.42
20241213T070115.0001.fits
SecZ=1.12
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.1 14.1 15.7
ALT/AZ=63.1 14.3
fwAVG=1.32
sdW=701.6
fwW=1.19
sdS=1687.7
fwS=1.36
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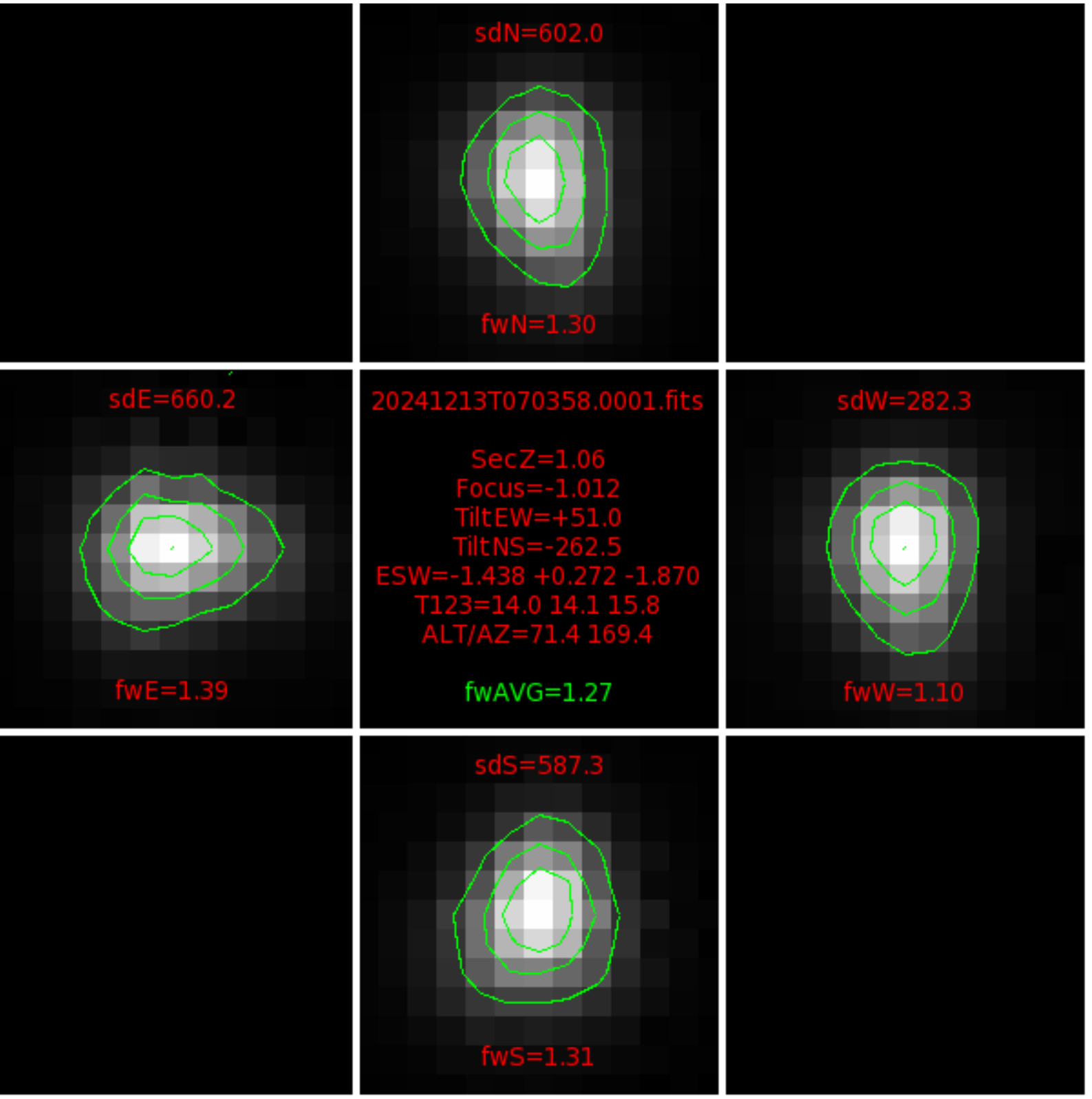
sdN=602.0
fwN=1.30
sdE=660.2
fwE=1.39
20241213T070358.0001.fits
SecZ=1.06
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=14.0 14.1 15.8
ALT/AZ=71.4 169.4
fwAVG=1.27
sdW=282.3
fwW=1.10
sdS=587.3
fwS=1.31
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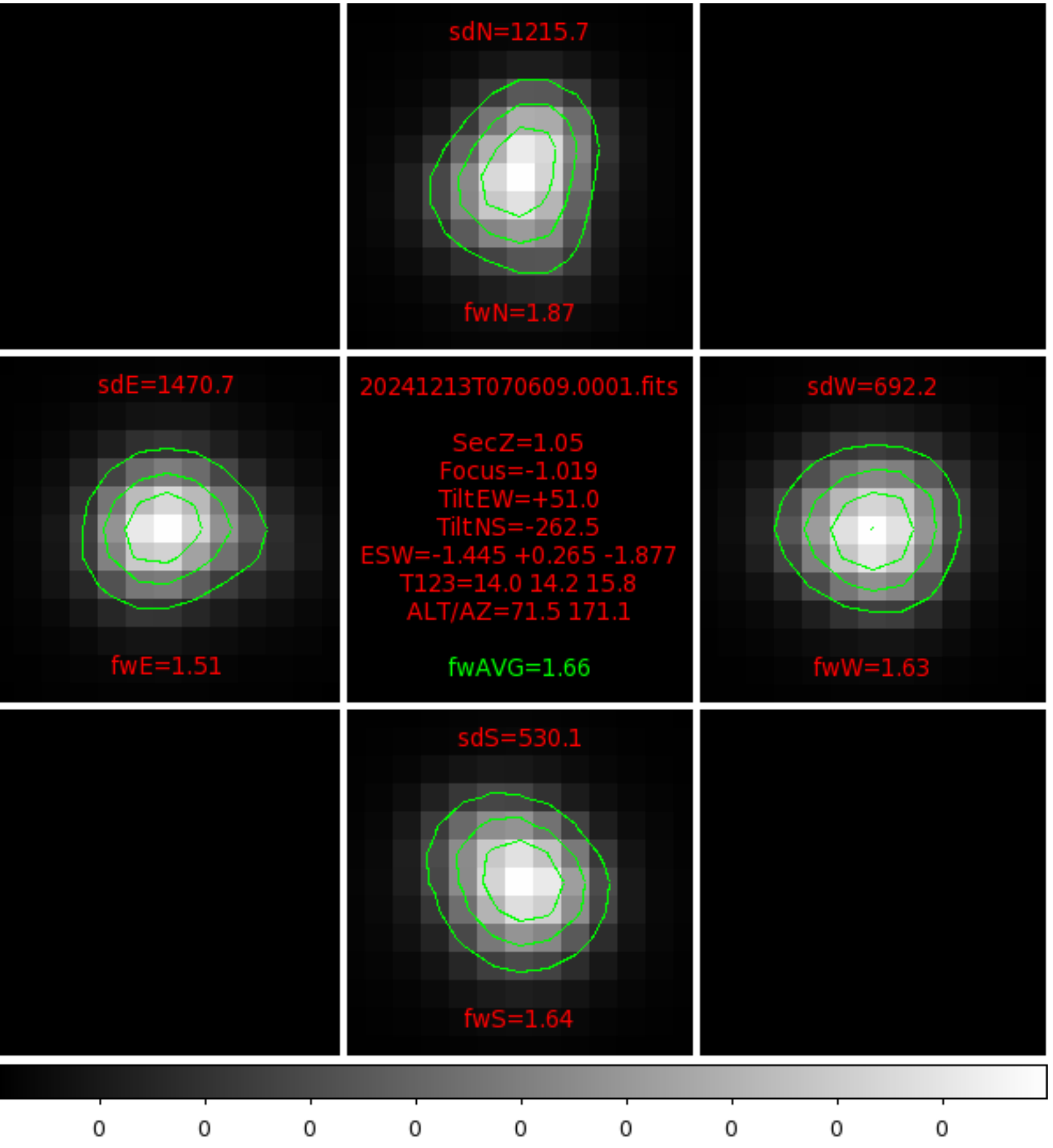
sdN=1215.7
fwN=1.87
sdE=1470.7
fwE=1.51
20241213T070609.0001.fits
SecZ=1.05
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.0 14.2 15.8
ALT/AZ=71.5 171.1
fwAVG=1.66
sdW=692.2
fwW=1.63
sdS=530.1
fwS=1.64
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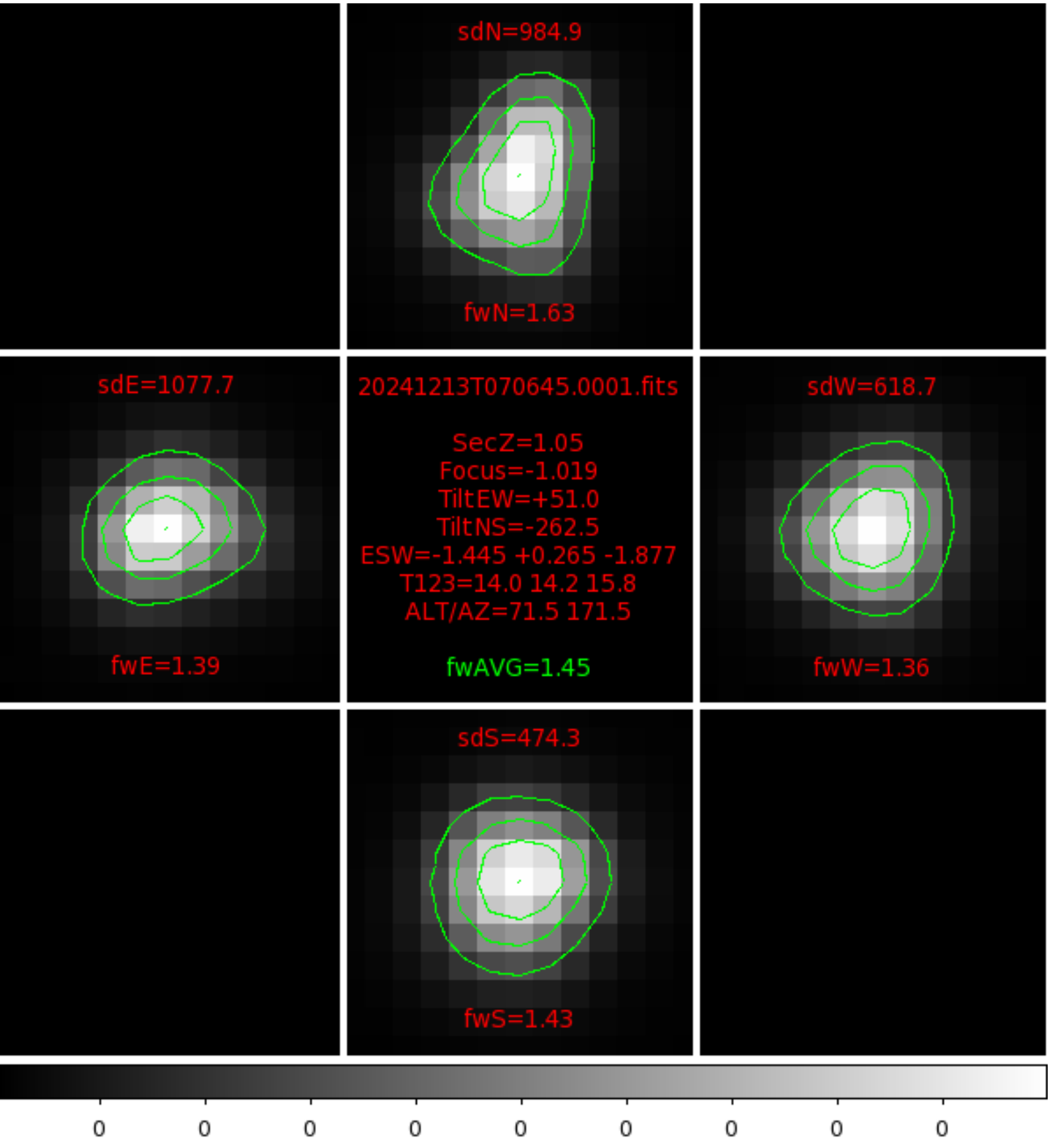
sdN=984.9
fwN=1.63
sdE=1077.7
fwE=1.39
20241213T070645.0001.fits
SecZ=1.05
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.0 14.2 15.8
ALT/AZ=71.5 171.5
fwAVG=1.45
sdW=618.7
fwW=1.36
sdS=474.3
fwS=1.43
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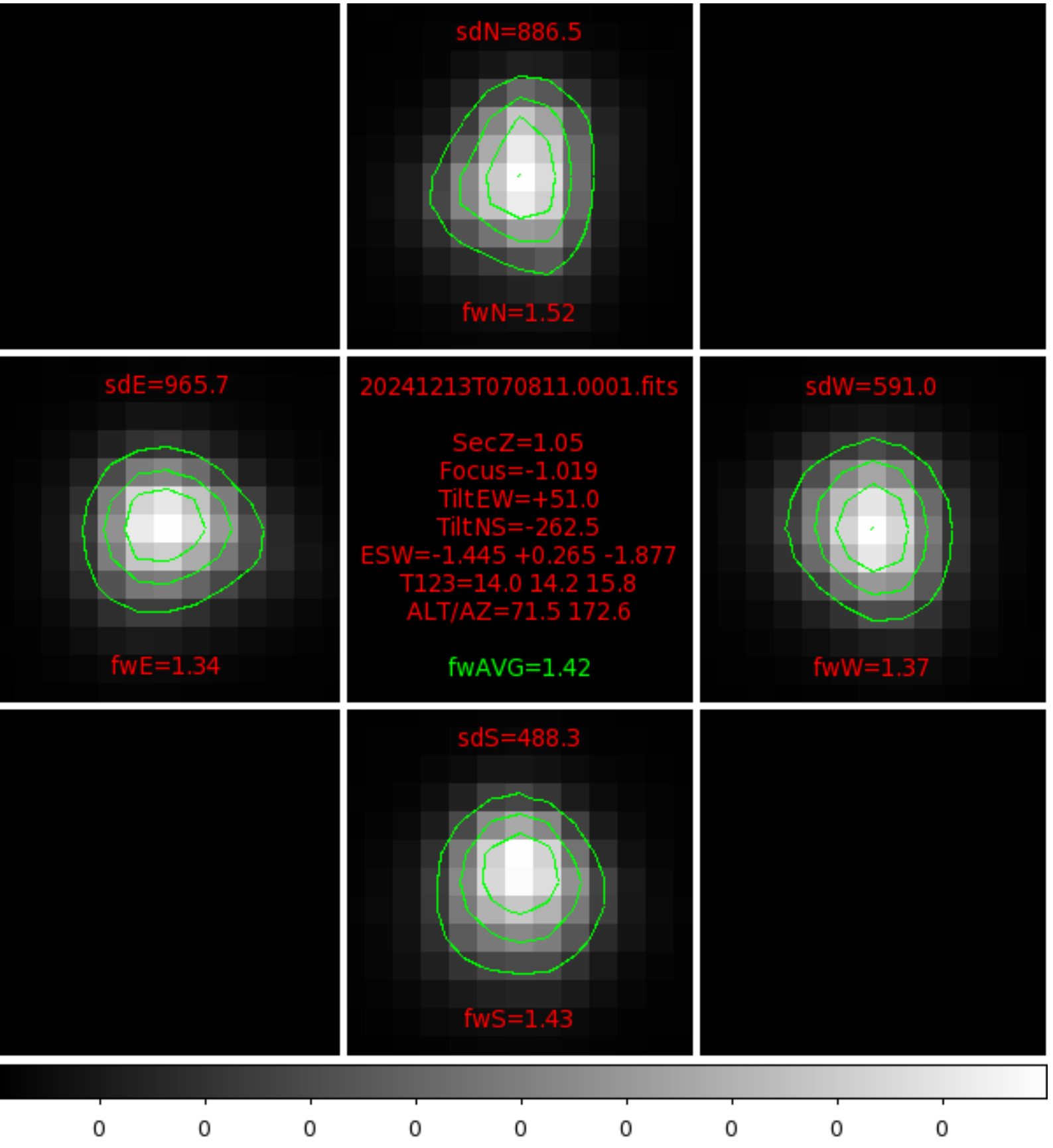
sdN=886.5
fwN=1.52
sdE=965.7
fwE=1.34
20241213T070811.0001.fits
SecZ=1.05
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.0 14.2 15.8
ALT/AZ=71.5 172.6
fwAVG=1.42
sdW=591.0
fwW=1.37
sdS=488.3
fwS=1.43
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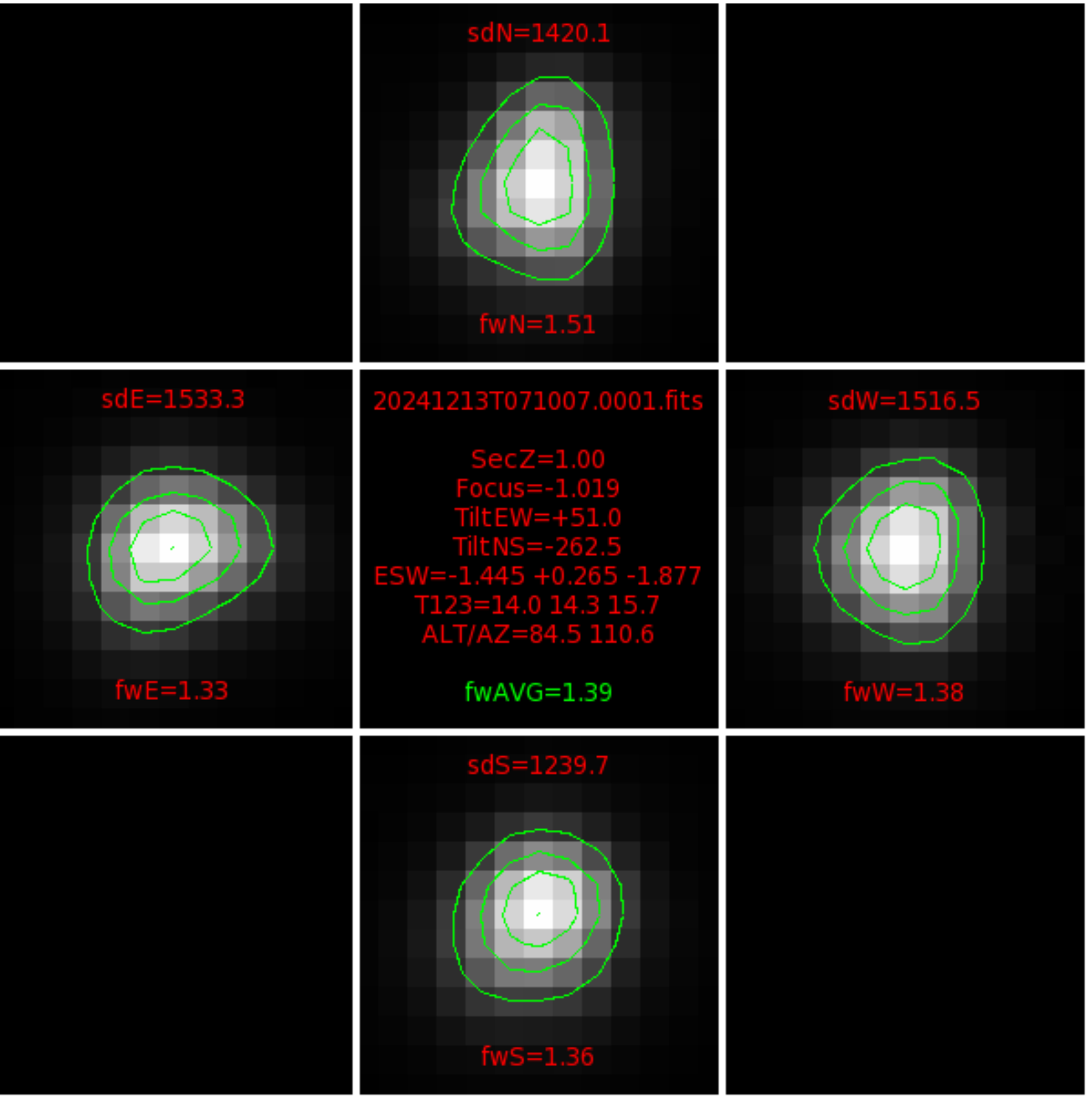
sdN=1420.1
fwN=1.51
sdE=1533.3
fwE=1.33
20241213T071007.0001.fits
SecZ=1.00
Focus=-1.019
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.445 +0.265 -1.877
T123=14.0 14.3 15.7
ALT/AZ=84.5 110.6
fwAVG=1.39
sdW=1516.5
fwW=1.38
sdS=1239.7
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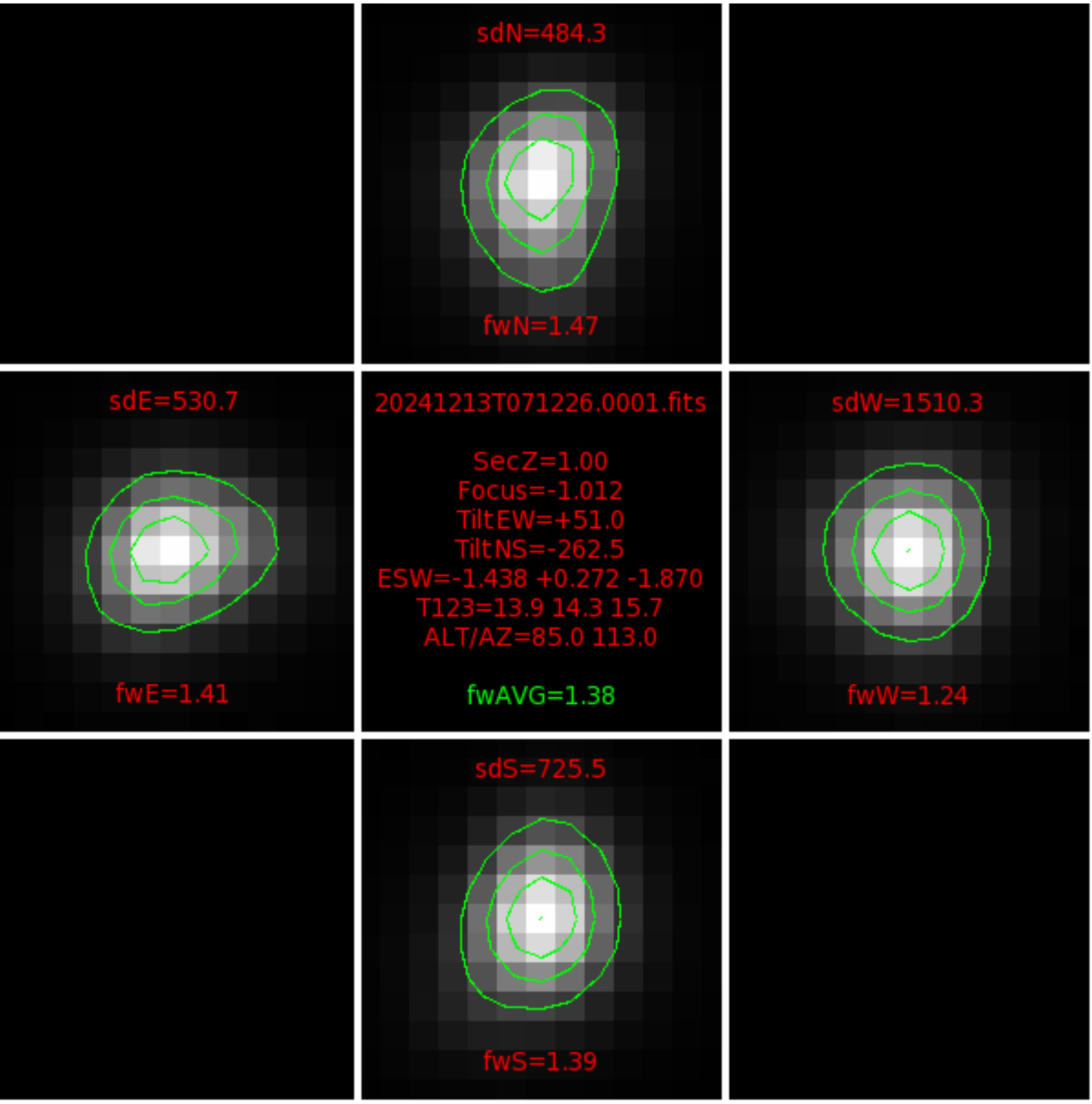
sdN=484.3
fwN=1.47
sdE=530.7
fwE=1.41
20241213T071226.0001.fits
SecZ=1.00
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=13.9 14.3 15.7
ALT/AZ=85.0 113.0
fwAVG=1.38
sdW=1510.3
fwW=1.24
sdS=725.5
fwS=1.39
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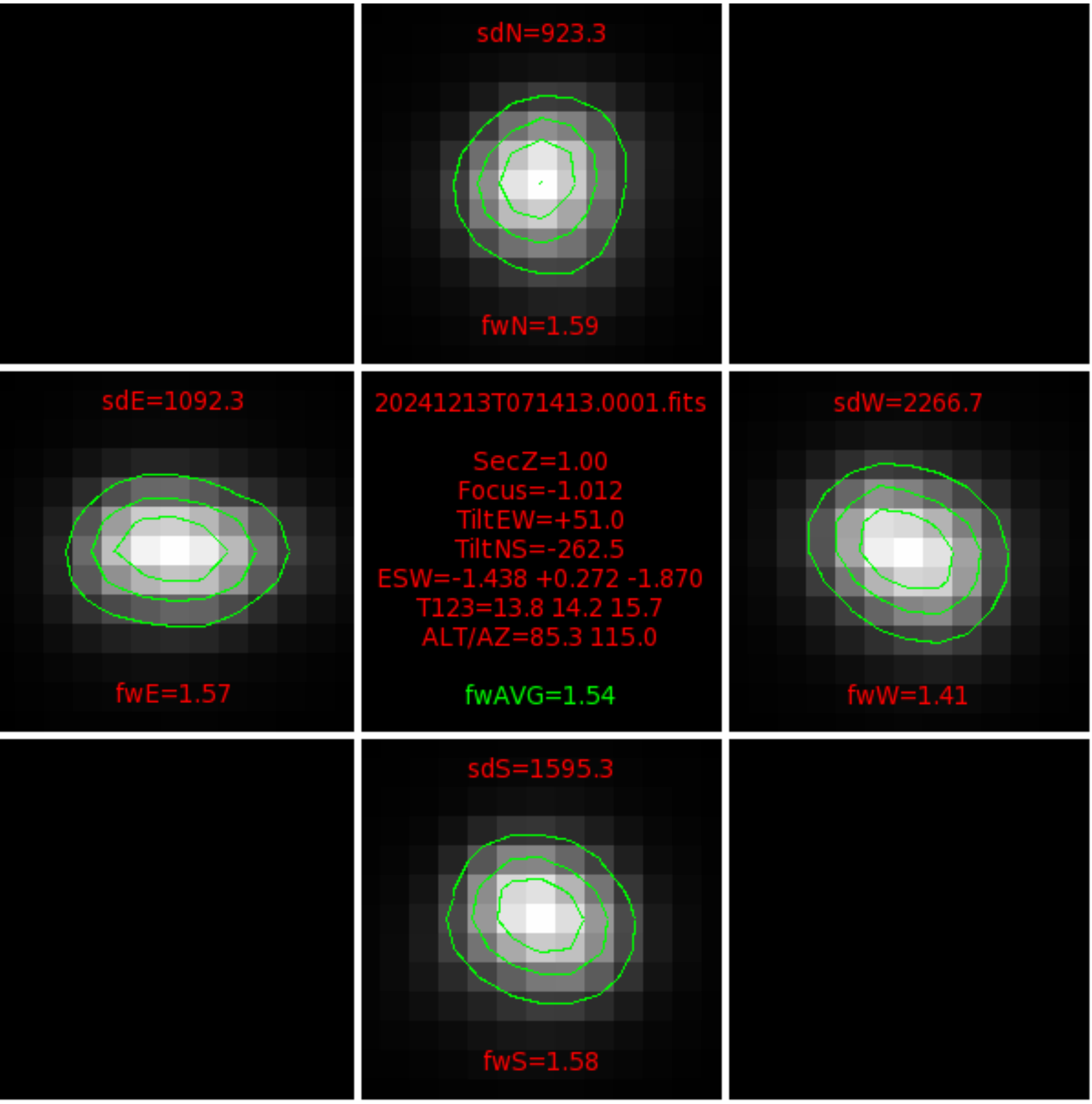
sdN=923.3
fwN=1.59
sdE=1092.3
fwE=1.57
20241213T071413.0001.fits
SecZ=1.00
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=13.8 14.2 15.7
ALT/AZ=85.3 115.0
fwAVG=1.54
sdW=2266.7
fwW=1.41
sdS=1595.3
fwS=1.58
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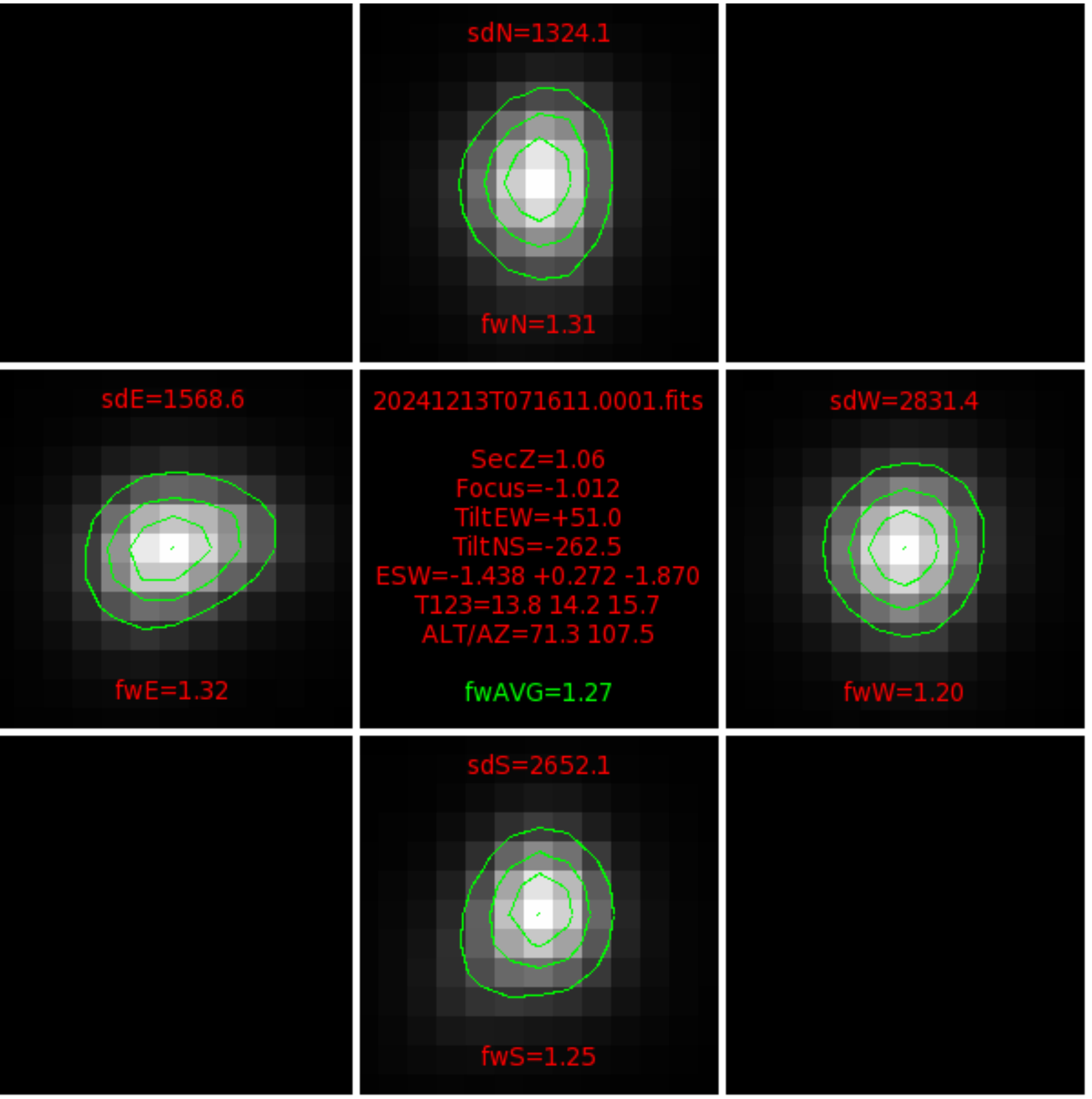
sdN=1324.1
fwN=1.31
sdE=1568.6
fwE=1.32
20241213T071611.0001.fits
SecZ=1.06
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=13.8 14.2 15.7
ALT/AZ=71.3 107.5
fwAVG=1.27
sdW=2831.4
fwW=1.20
sdS=2652.1
fwS=1.25
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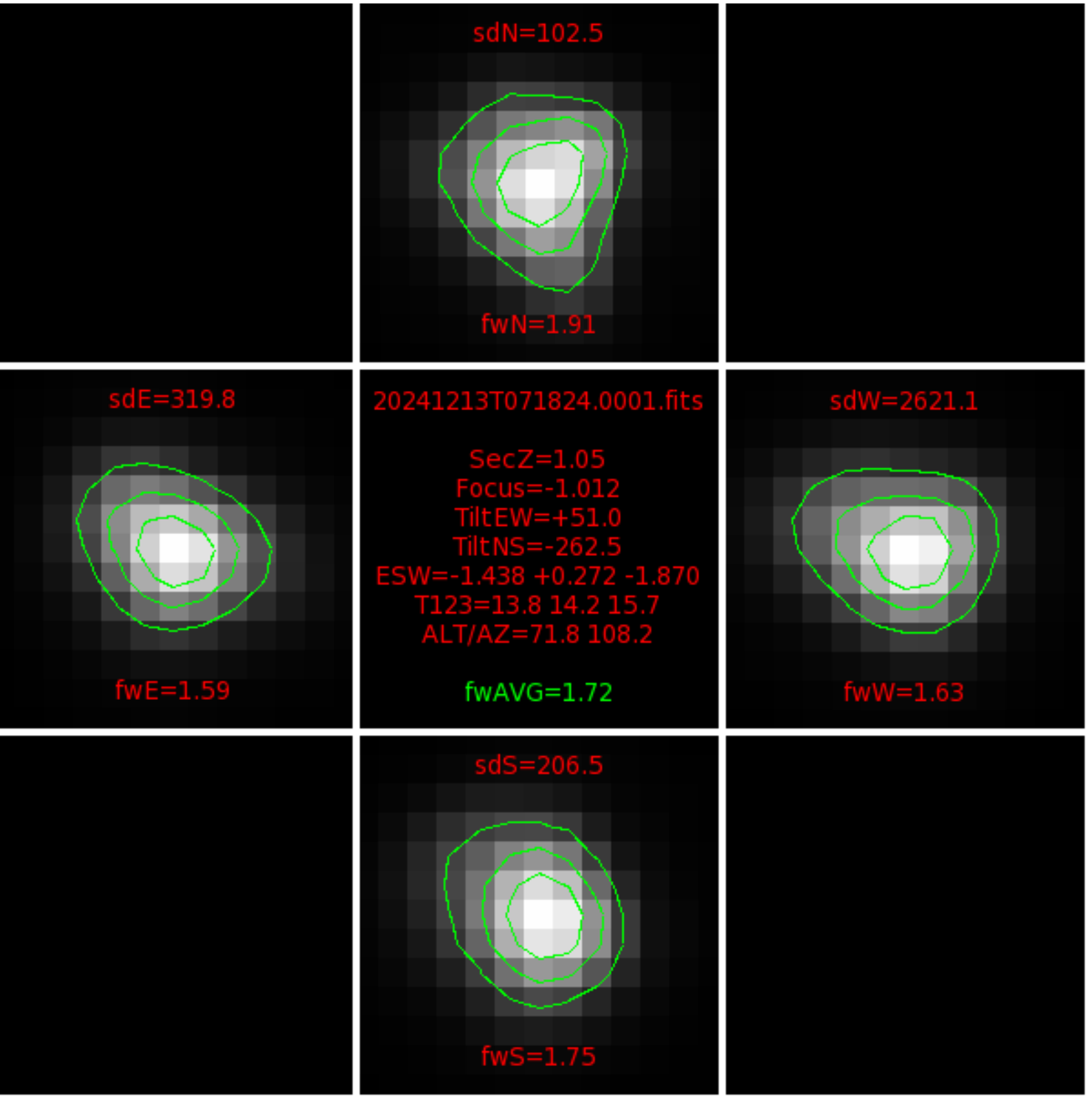
sdN=102.5
fwN=1.91
sdE=319.8
fwE=1.59
20241213T071824.0001.fits
SecZ=1.05
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=13.8 14.2 15.7
ALT/AZ=71.8 108.2
fwAVG=1.72
sdW=2621.1
fwW=1.63
sdS=206.5
fwS=1.75
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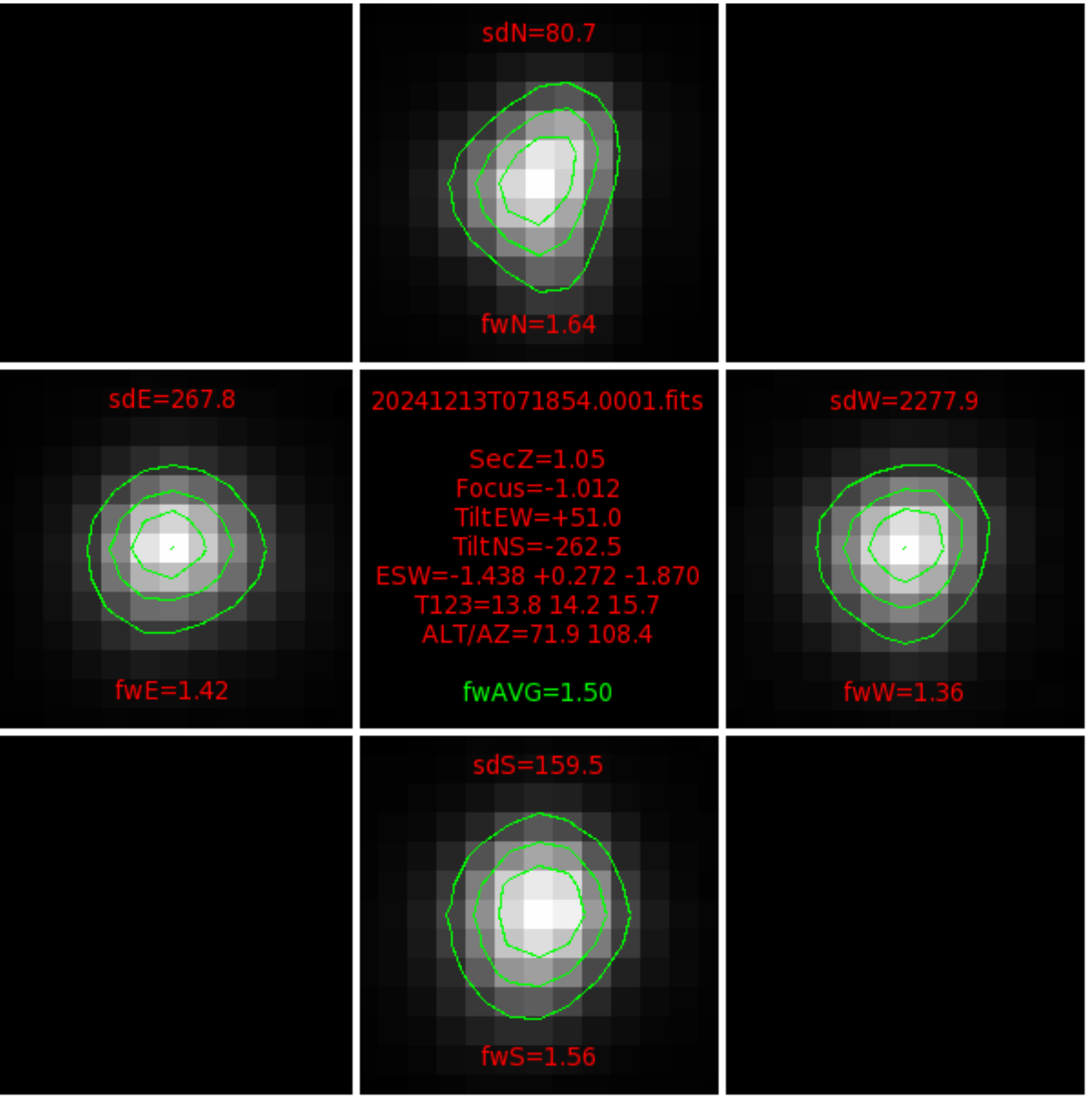
sdN=80.7
fwN=1.64
sdE=267.8
fwE=1.42
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SecZ=1.05
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=13.8 14.2 15.7
ALT/AZ=71.9 108.4
fwAVG=1.50
sdW=2277.9
fwW=1.36
sdS=159.5
fwS=1.56
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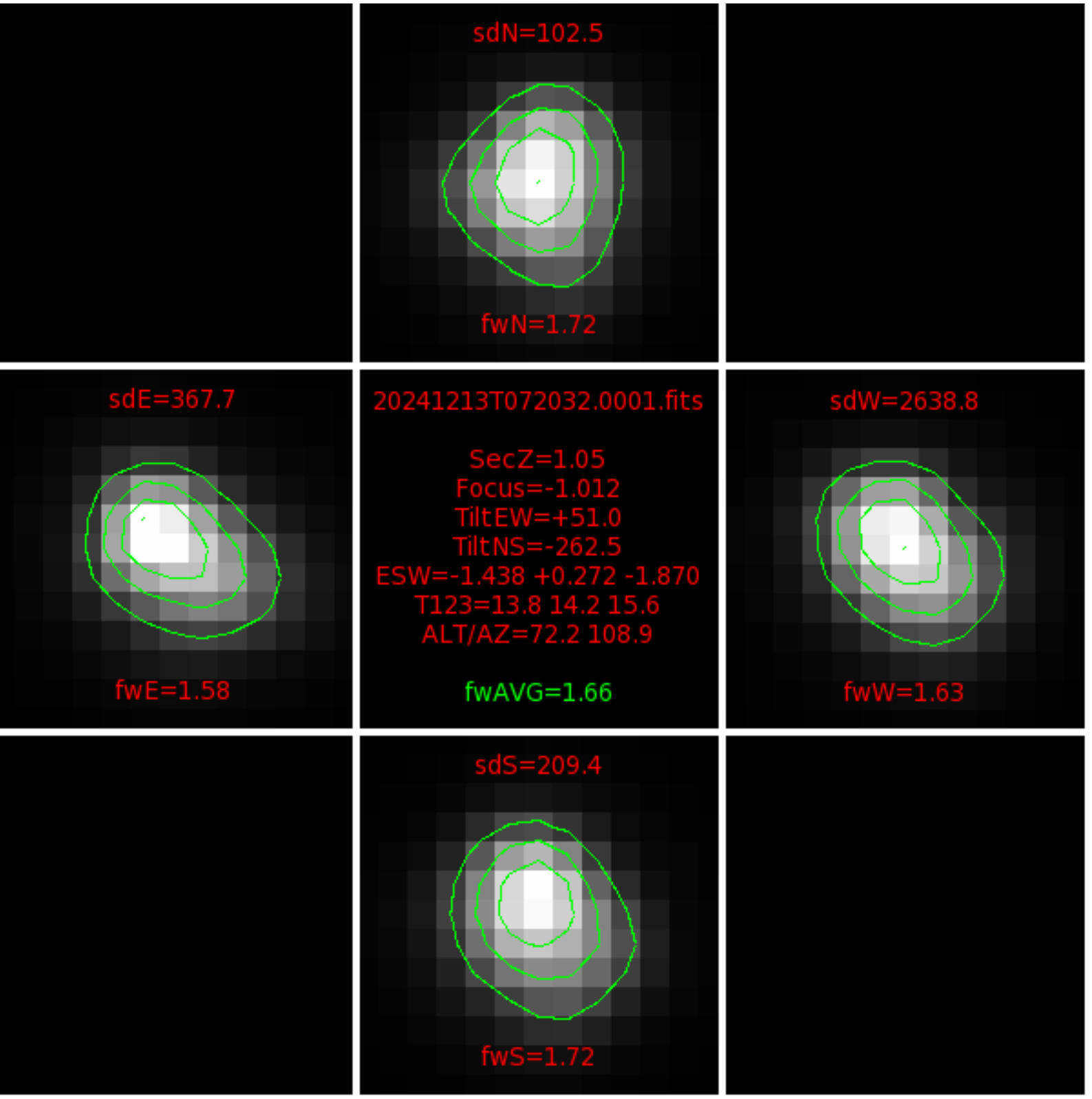
sdN=102.5
fwN=1.72
sdE=367.7
fwE=1.58
20241213T072032.0001.fits
SecZ=1.05
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=13.8 14.2 15.6
ALT/AZ=72.2 108.9
fwAVG=1.66
sdW=2638.8
fwW=1.63
sdS=209.4
fwS=1.72
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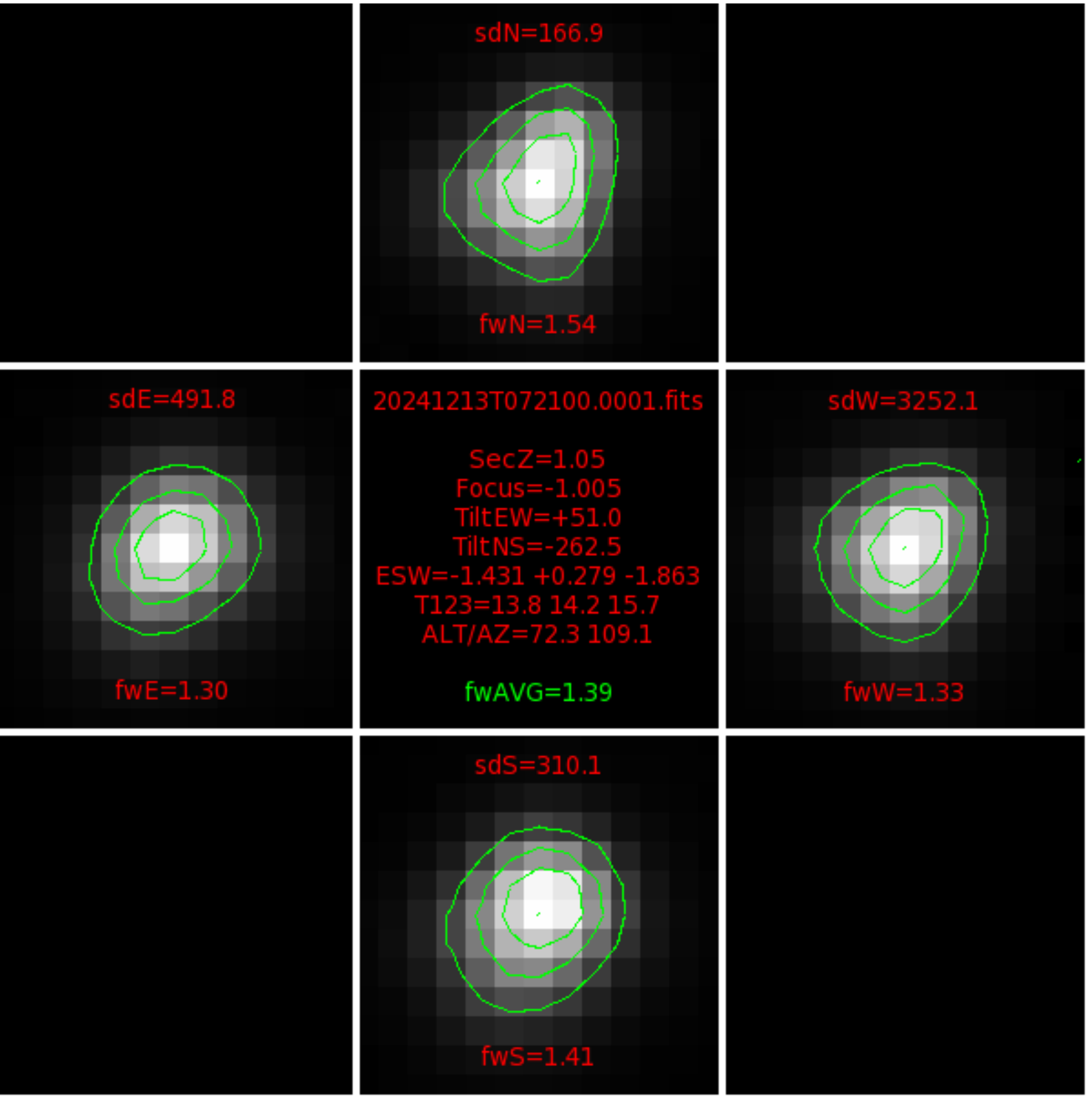
sdN=166.9
fwN=1.54
sdE=491.8
fwE=1.30
20241213T072100.0001.fits
SecZ=1.05
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.8 14.2 15.7
ALT/AZ=72.3 109.1
fwAVG=1.39
sdW=3252.1
fwW=1.33
sdS=310.1
fwS=1.41
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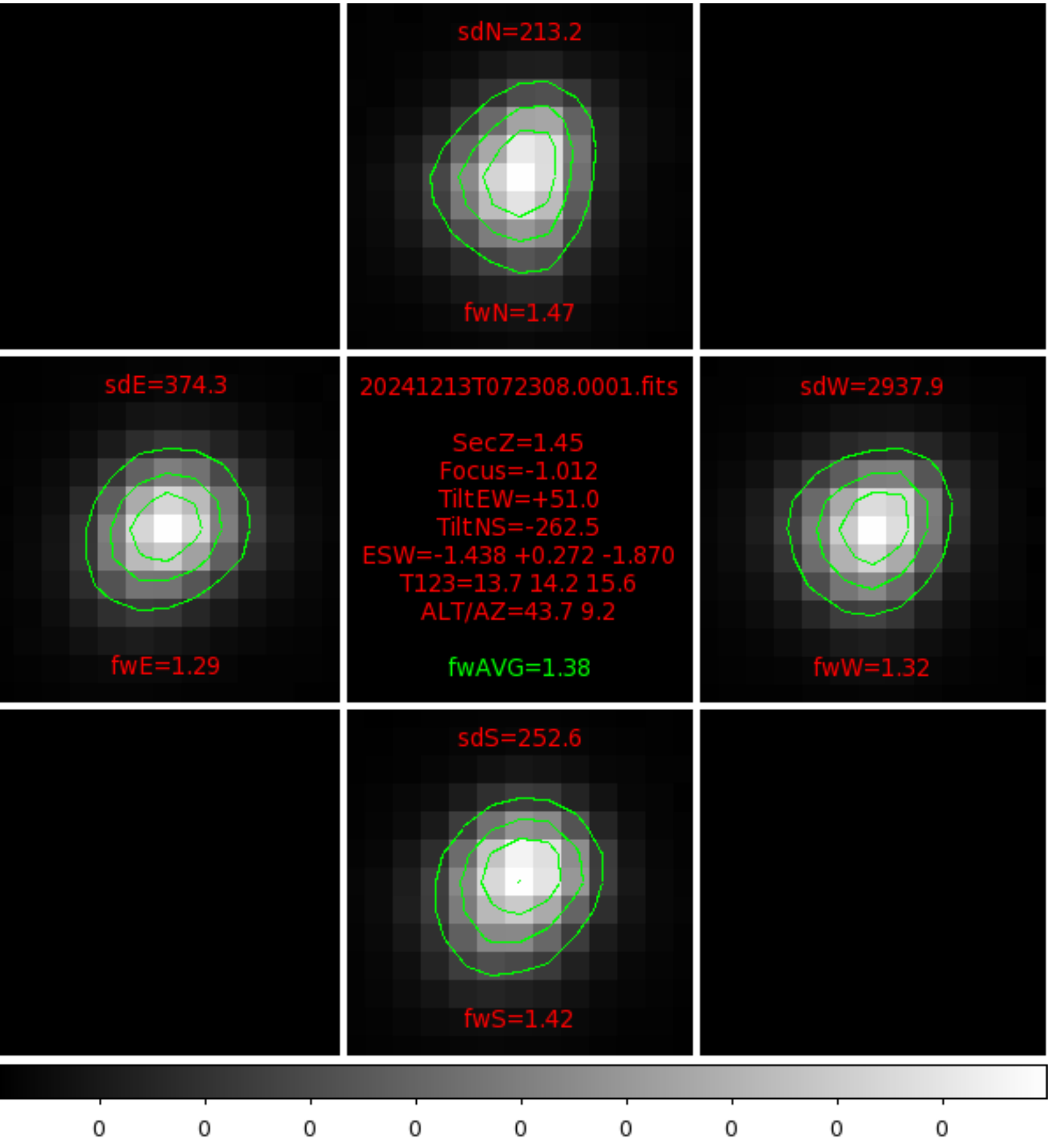
sdN=213.2
fwN=1.47
sdE=374.3
fwE=1.29
20241213T072308.0001.fits
SecZ=1.45
Focus=-1.012
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.438 +0.272 -1.870
T123=13.7 14.2 15.6
ALT/AZ=43.7 9.2
fwAVG=1.38
sdW=2937.9
fwW=1.32
sdS=252.6
fwS=1.42
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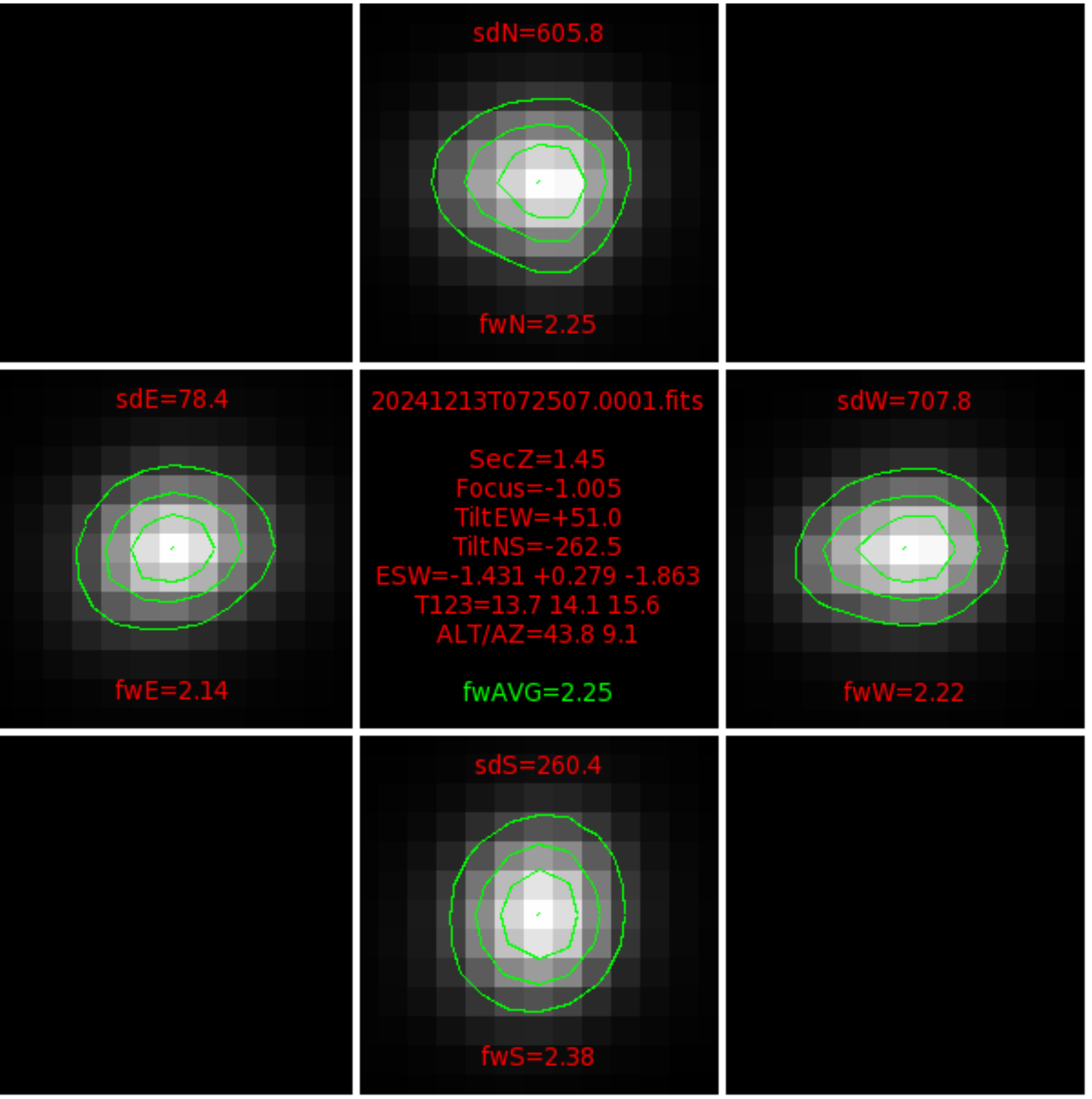
sdN=605.8
fwN=2.25
sdE=78.4
fwE=2.14
20241213T072507.0001.fits
SecZ=1.45
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.7 14.1 15.6
ALT/AZ=43.8 9.1
fwAVG=2.25
sdW=707.8
fwW=2.22
sdS=260.4
fwS=2.38
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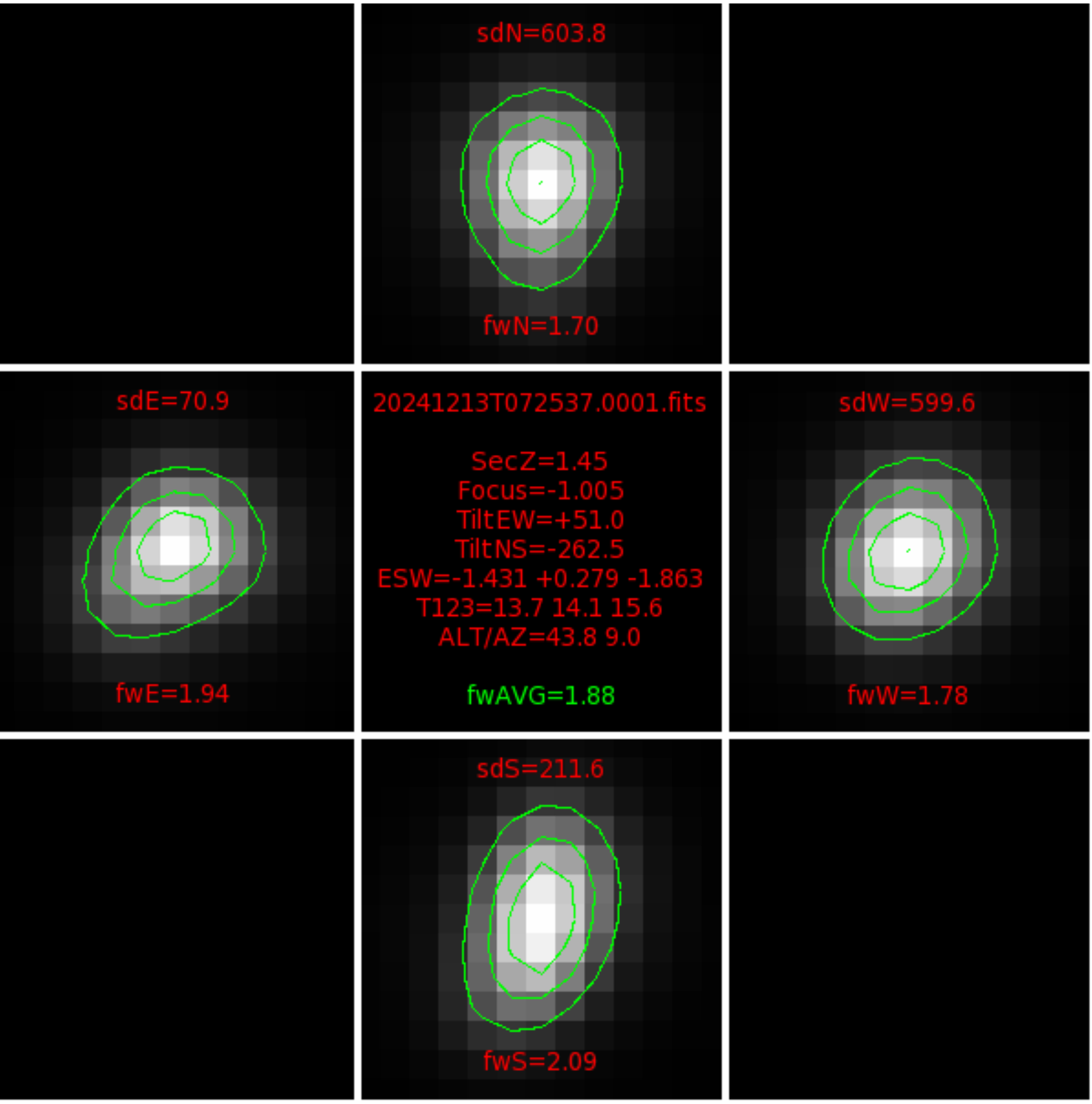
sdN=603.8
fwN=1.70
sdE=70.9
fwE=1.94
20241213T072537.0001.fits
SecZ=1.45
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.7 14.1 15.6
ALT/AZ=43.8 9.0
fwAVG=1.88
sdW=599.6
fwW=1.78
sdS=211.6
fwS=2.09
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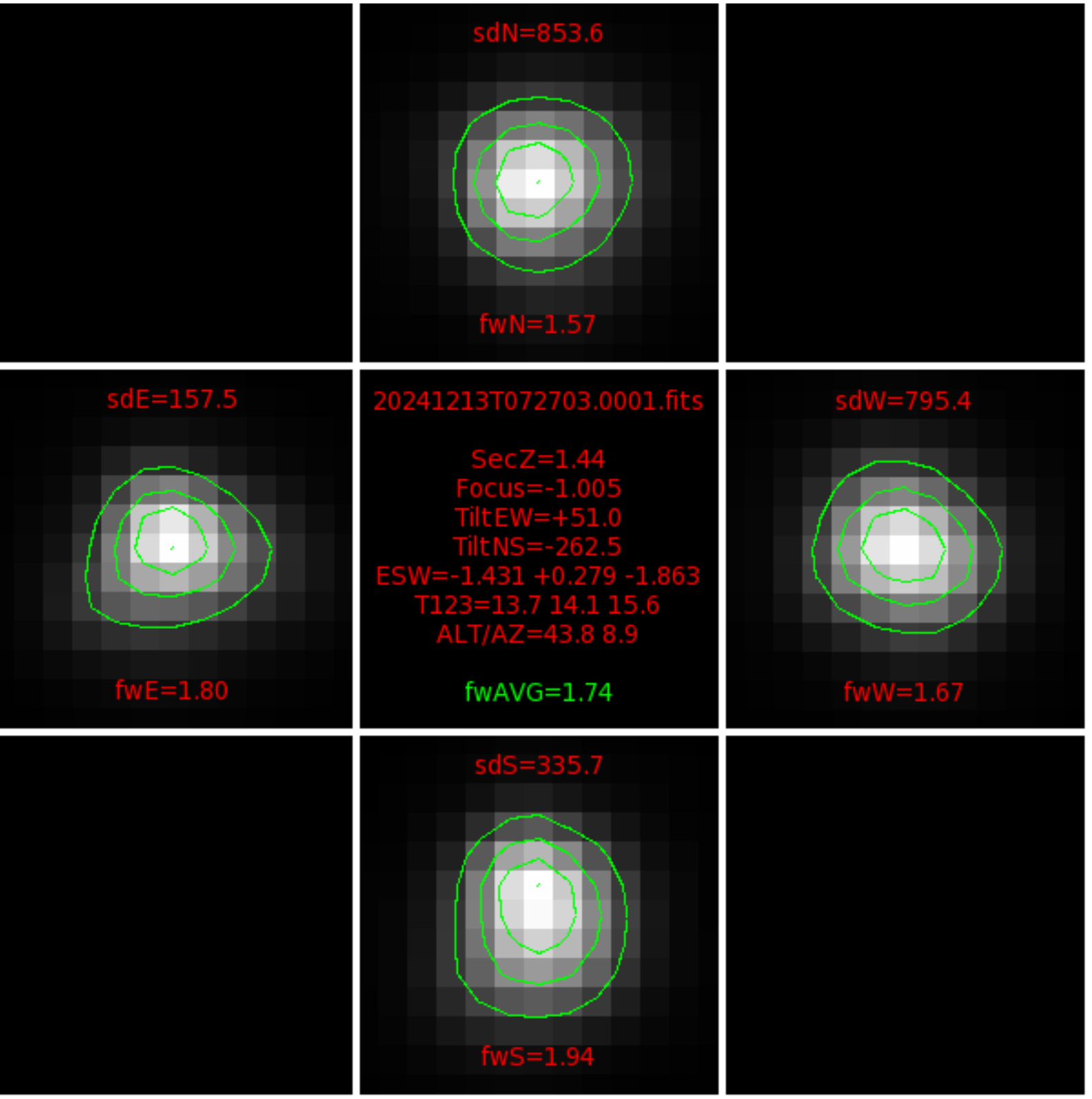
sdN=853.6
fwN=1.57
sdE=157.5
fwE=1.80
20241213T072703.0001.fits
SecZ=1.44
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.7 14.1 15.6
ALT/AZ=43.8 8.9
fwAVG=1.74
sdW=795.4
fwW=1.67
sdS=335.7
fwS=1.94
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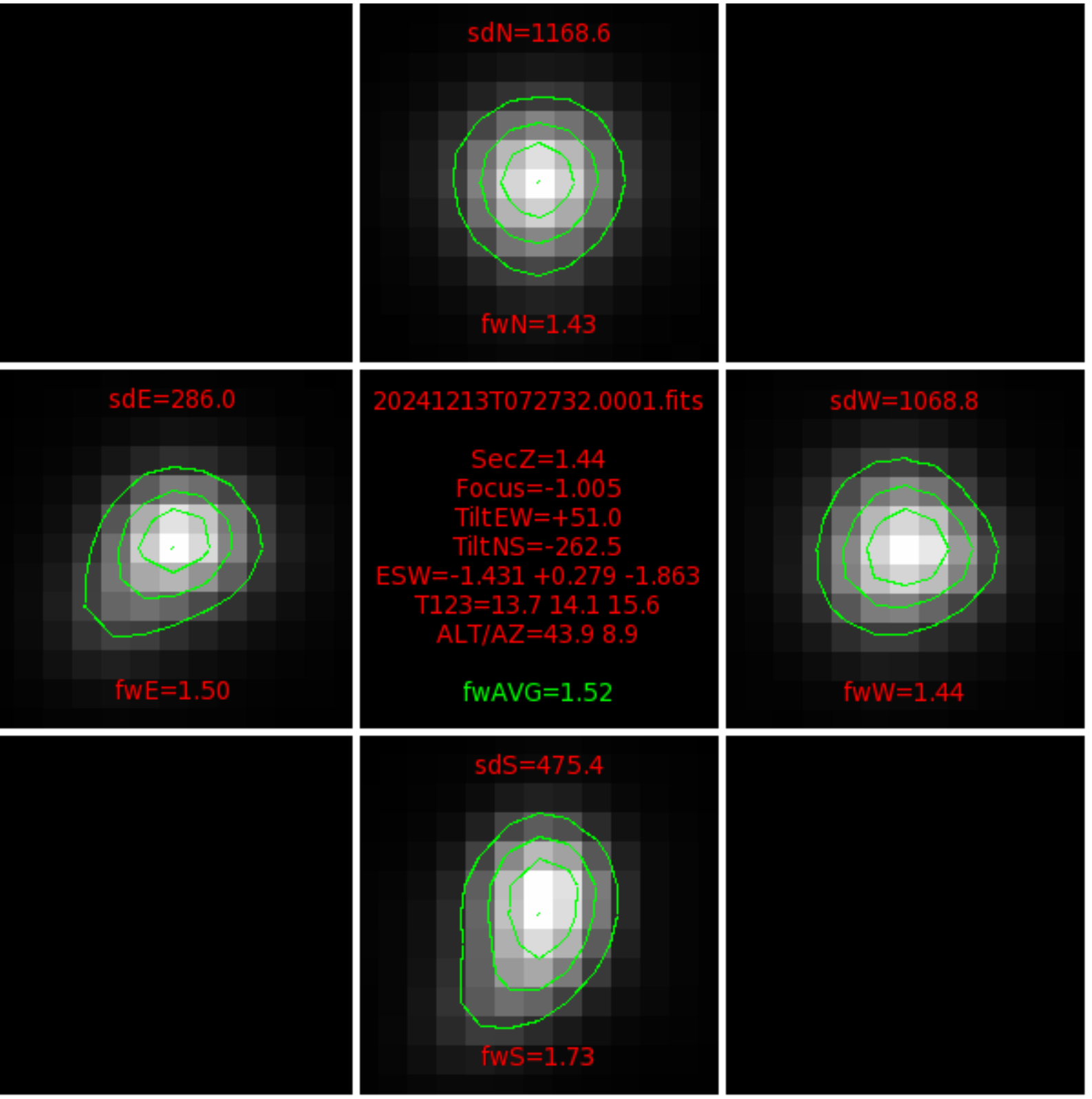
sdN=1168.6
fwN=1.43
sdE=286.0
fwE=1.50
20241213T072732.0001.fits
SecZ=1.44
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.7 14.1 15.6
ALT/AZ=43.9 8.9
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sdW=1068.8
fwW=1.44
sdS=475.4
fwS=1.73
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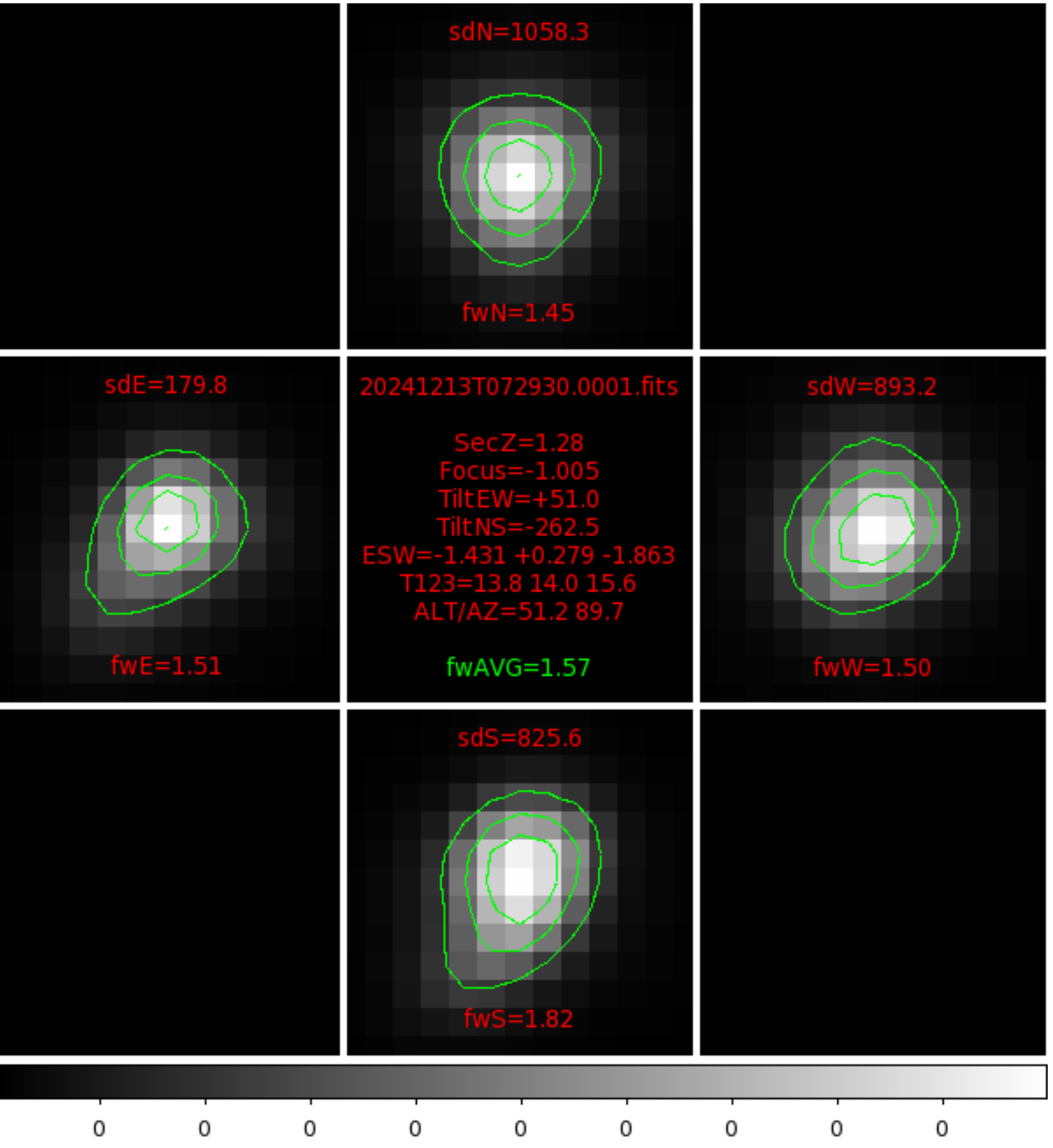
sdN=1058.3
fwN=1.45
sdE=179.8
fwE=1.51
20241213T072930.0001.fits
SecZ=1.28
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.8 14.0 15.6
ALT/AZ=51.2 89.7
fwAVG=1.57
sdW=893.2
fwW=1.50
sdS=825.6
fwS=1.82
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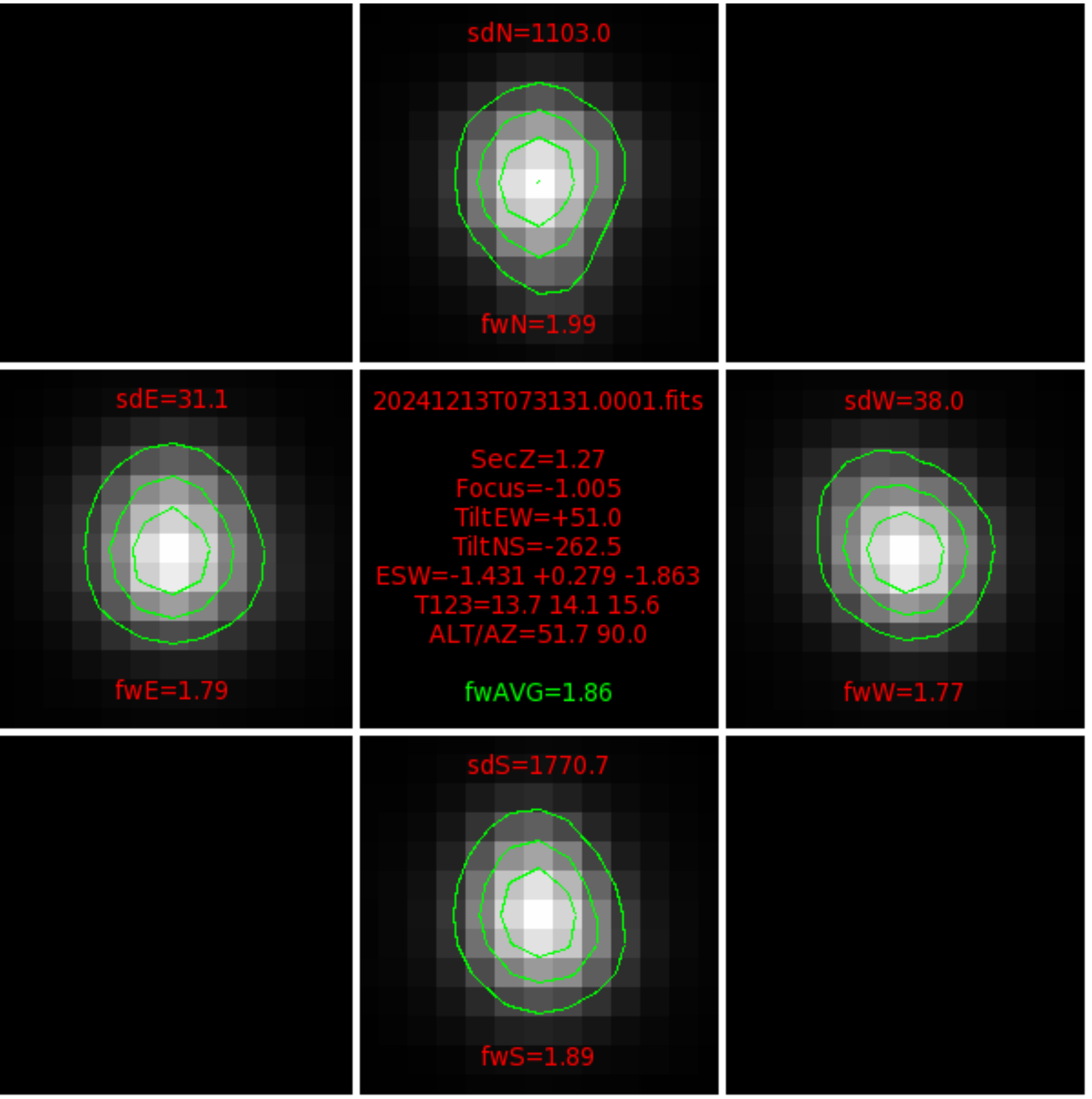
sdN=1103.0
fwN=1.99
sdE=31.1
fwE=1.79
20241213T073131.0001.fits
SecZ=1.27
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.7 14.1 15.6
ALT/AZ=51.7 90.0
fwAVG=1.86
sdW=38.0
fwW=1.77
sdS=1770.7
fwS=1.89
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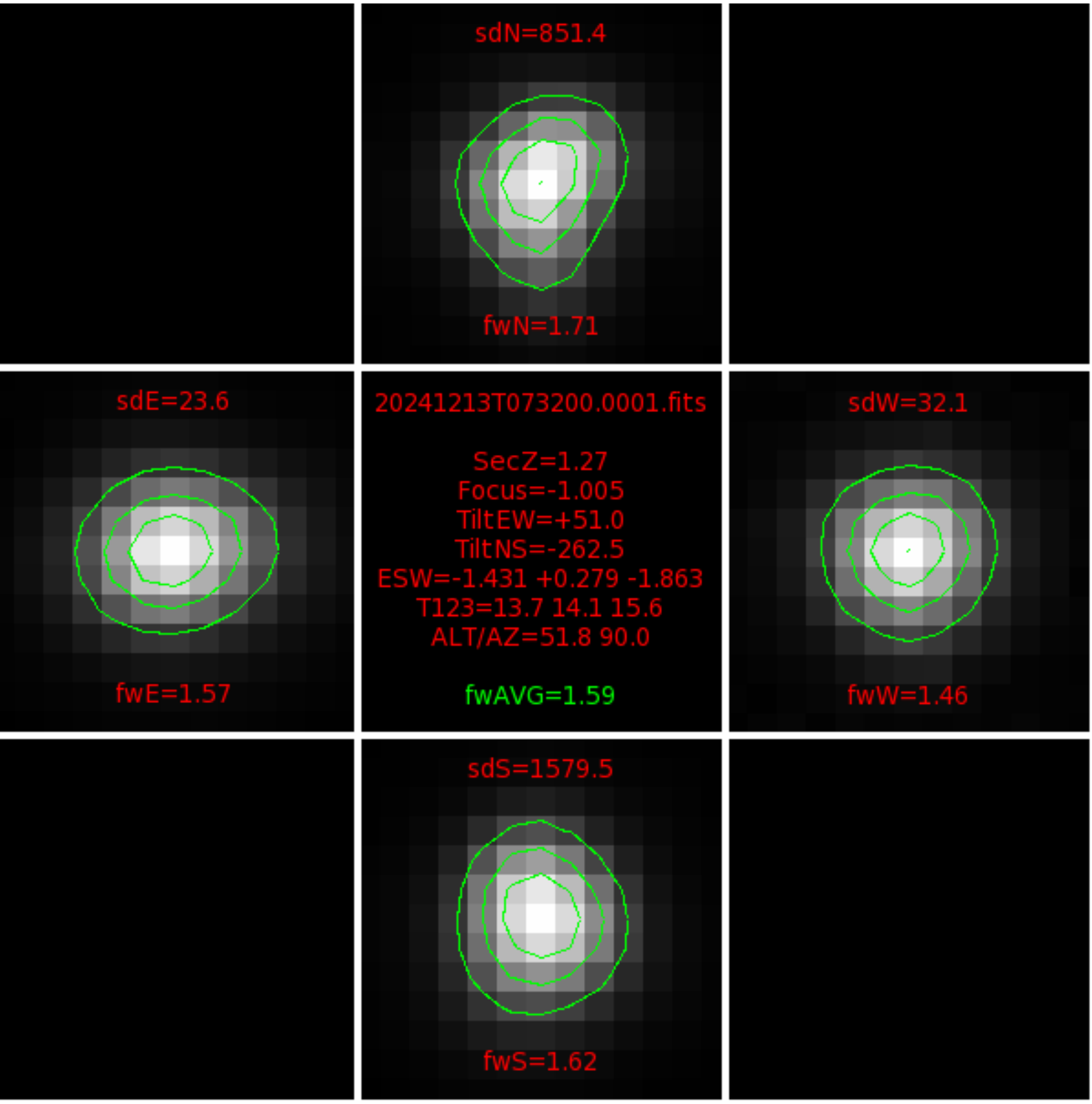
sdN=851.4
fwN=1.71
sdE=23.6
fwE=1.57
20241213T073200.0001.fits
SecZ=1.27
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.7 14.1 15.6
ALT/AZ=51.8 90.0
fwAVG=1.59
sdW=32.1
fwW=1.46
sdS=1579.5
fwS=1.62
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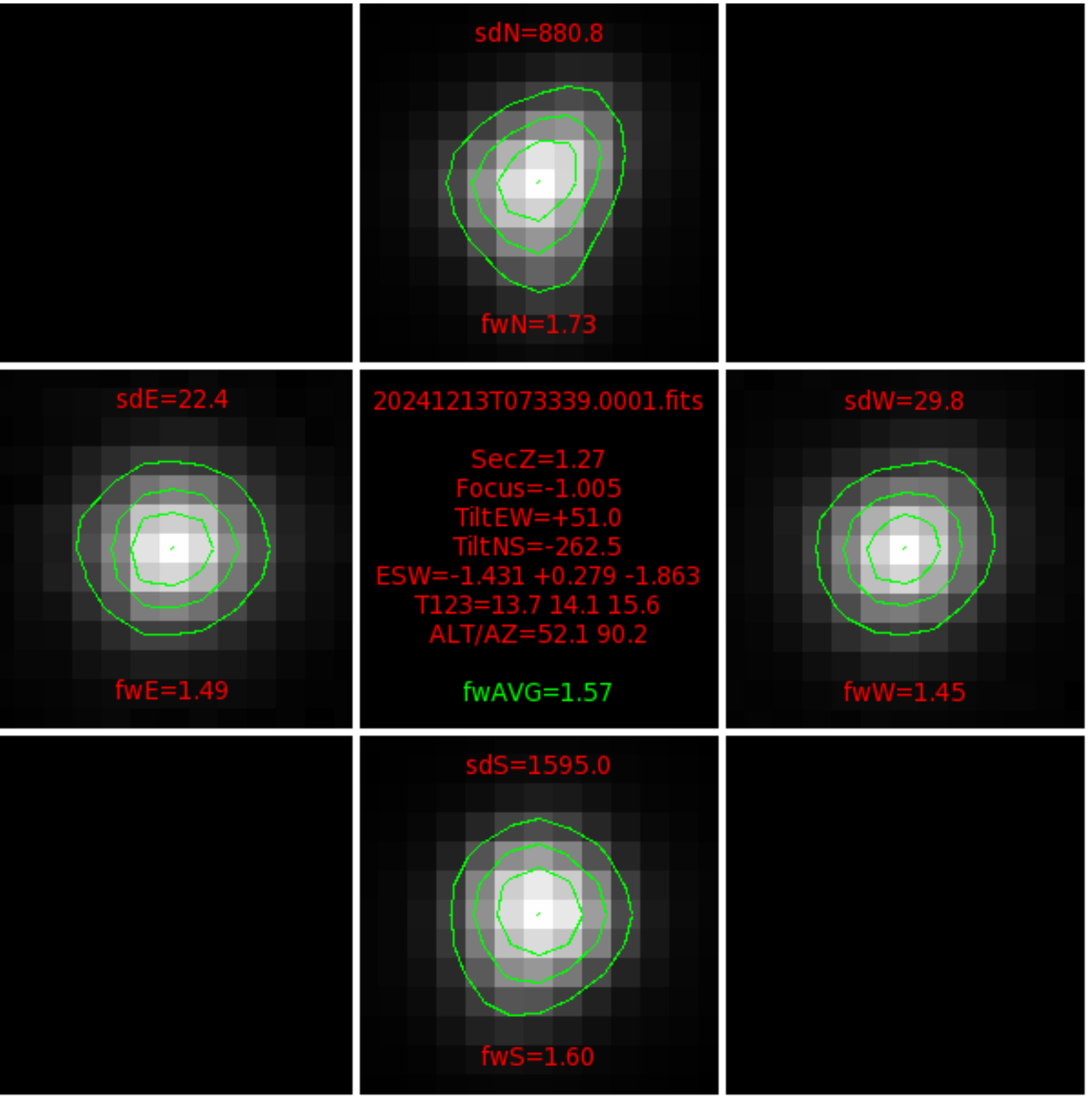
sdN=880.8
fwN=1.73
sdE=22.4
fwE=1.49
20241213T073339.0001.fits
SecZ=1.27
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.7 14.1 15.6
ALT/AZ=52.1 90.2
fwAVG=1.57
sdW=29.8
fwW=1.45
sdS=1595.0
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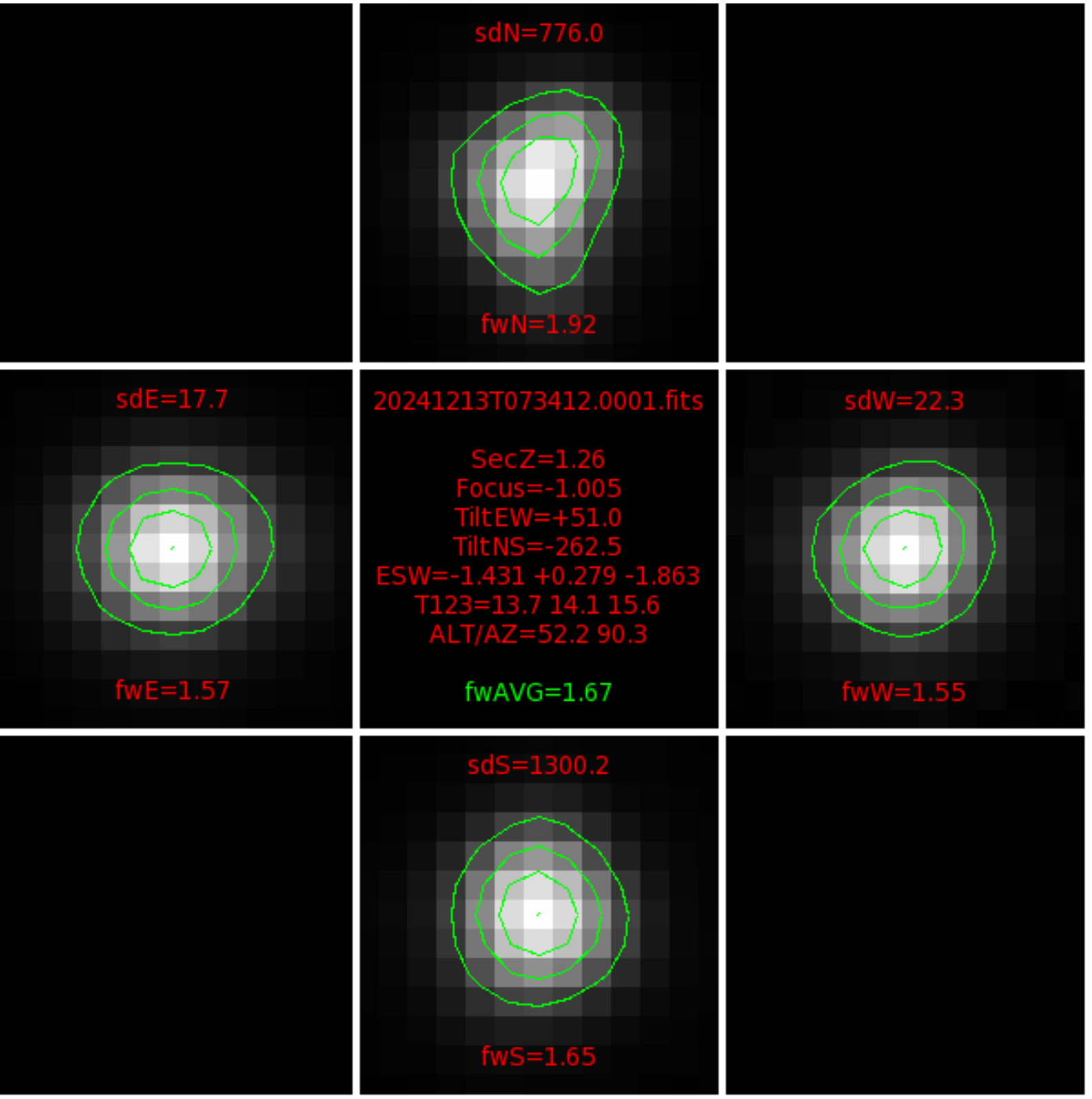
sdN=776.0
fwN=1.92
sdE=17.7
fwE=1.57
20241213T073412.0001.fits
SecZ=1.26
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.7 14.1 15.6
ALT/AZ=52.2 90.3
fwAVG=1.67
sdW=22.3
fwW=1.55
sdS=1300.2
fwS=1.65
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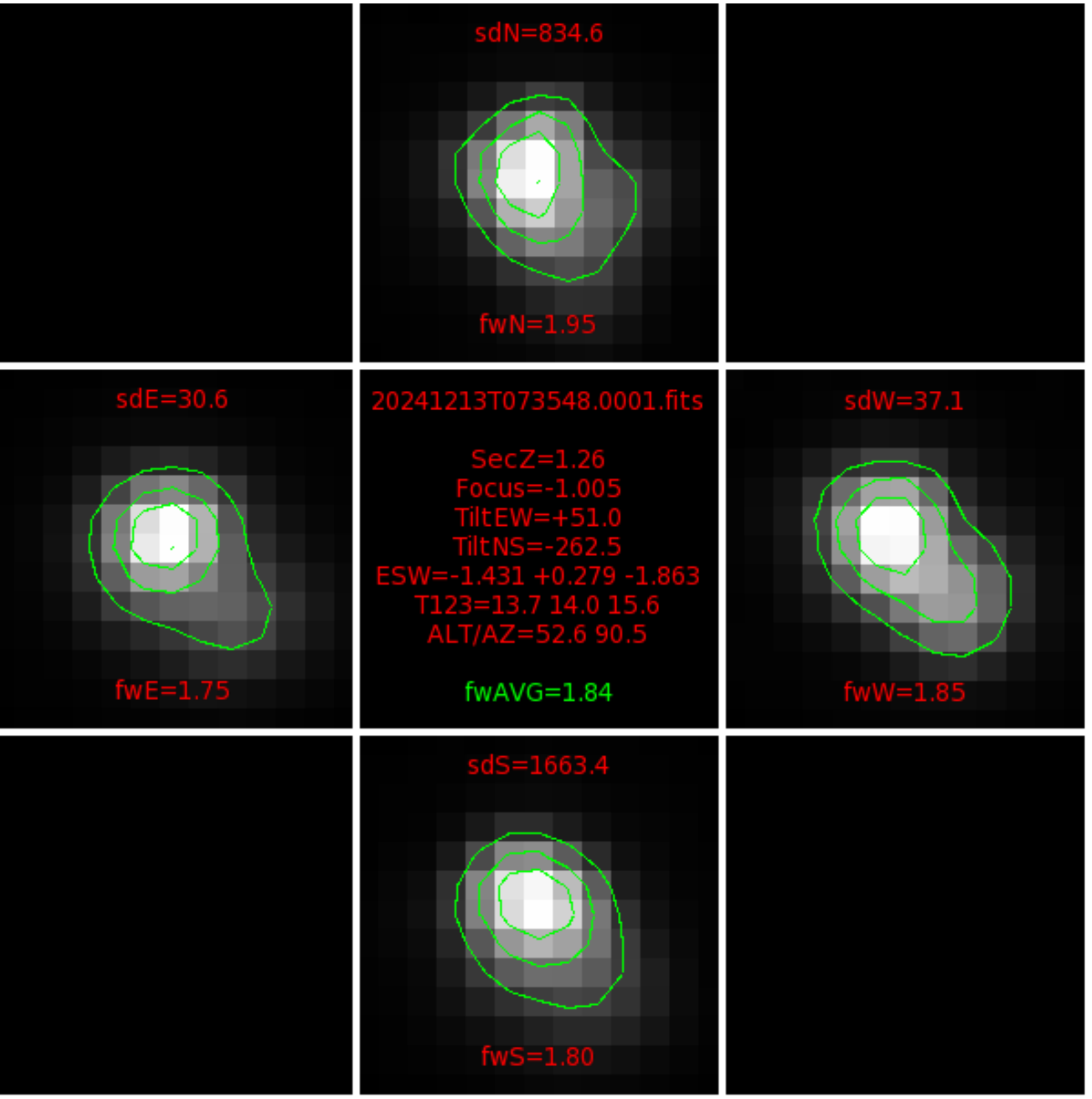
sdN=834.6
fwN=1.95
sdE=30.6
fwE=1.75
20241213T073548.0001.fits
SecZ=1.26
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.7 14.0 15.6
ALT/AZ=52.6 90.5
fwAVG=1.84
sdW=37.1
fwW=1.85
sdS=1663.4
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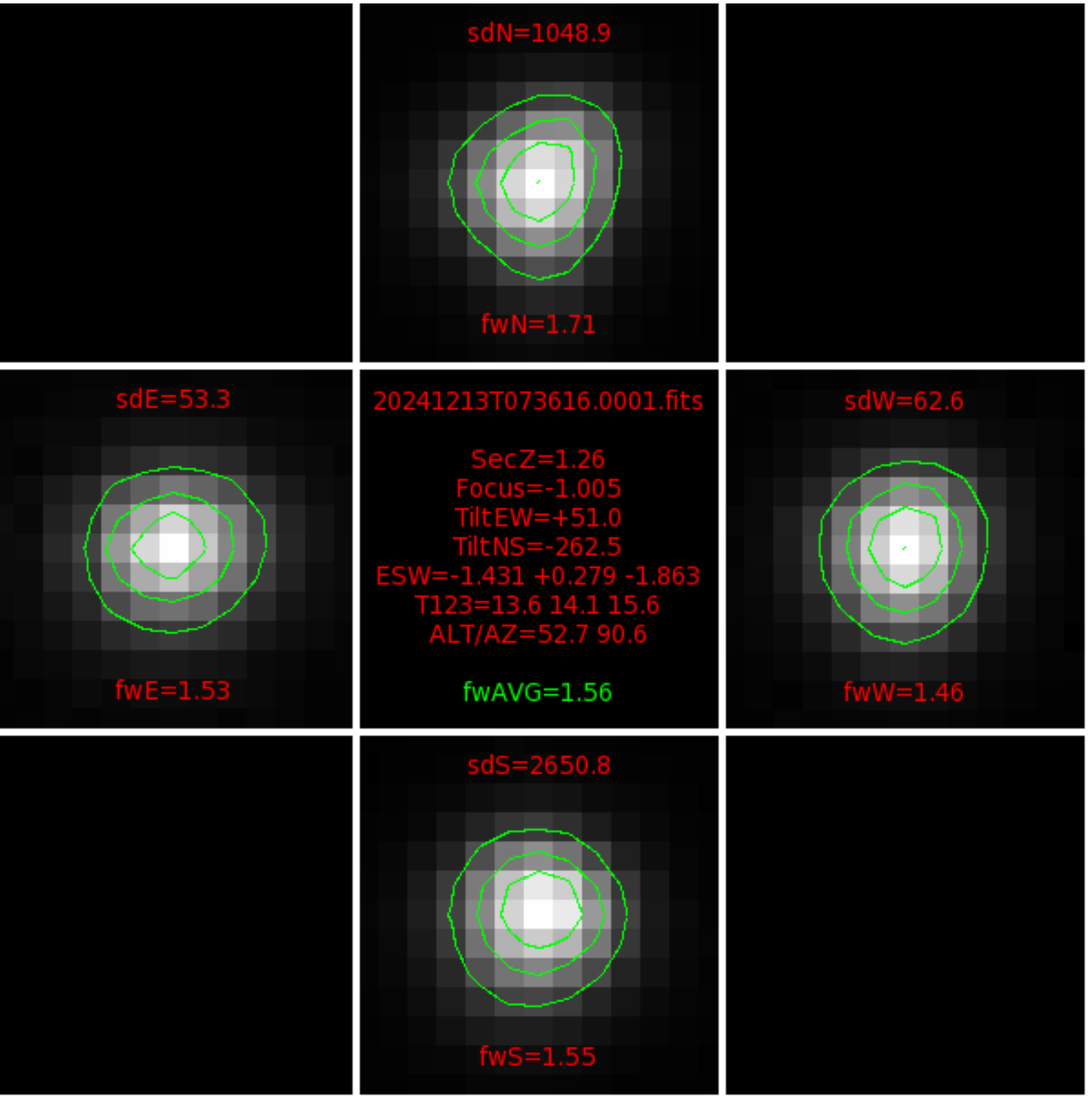
sdN=1048.9
fwN=1.71
sdE=53.3
fwE=1.53
20241213T073616.0001.fits
SecZ=1.26
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.1 15.6
ALT/AZ=52.7 90.6
fwAVG=1.56
sdW=62.6
fwW=1.46
sdS=2650.8
fwS=1.55
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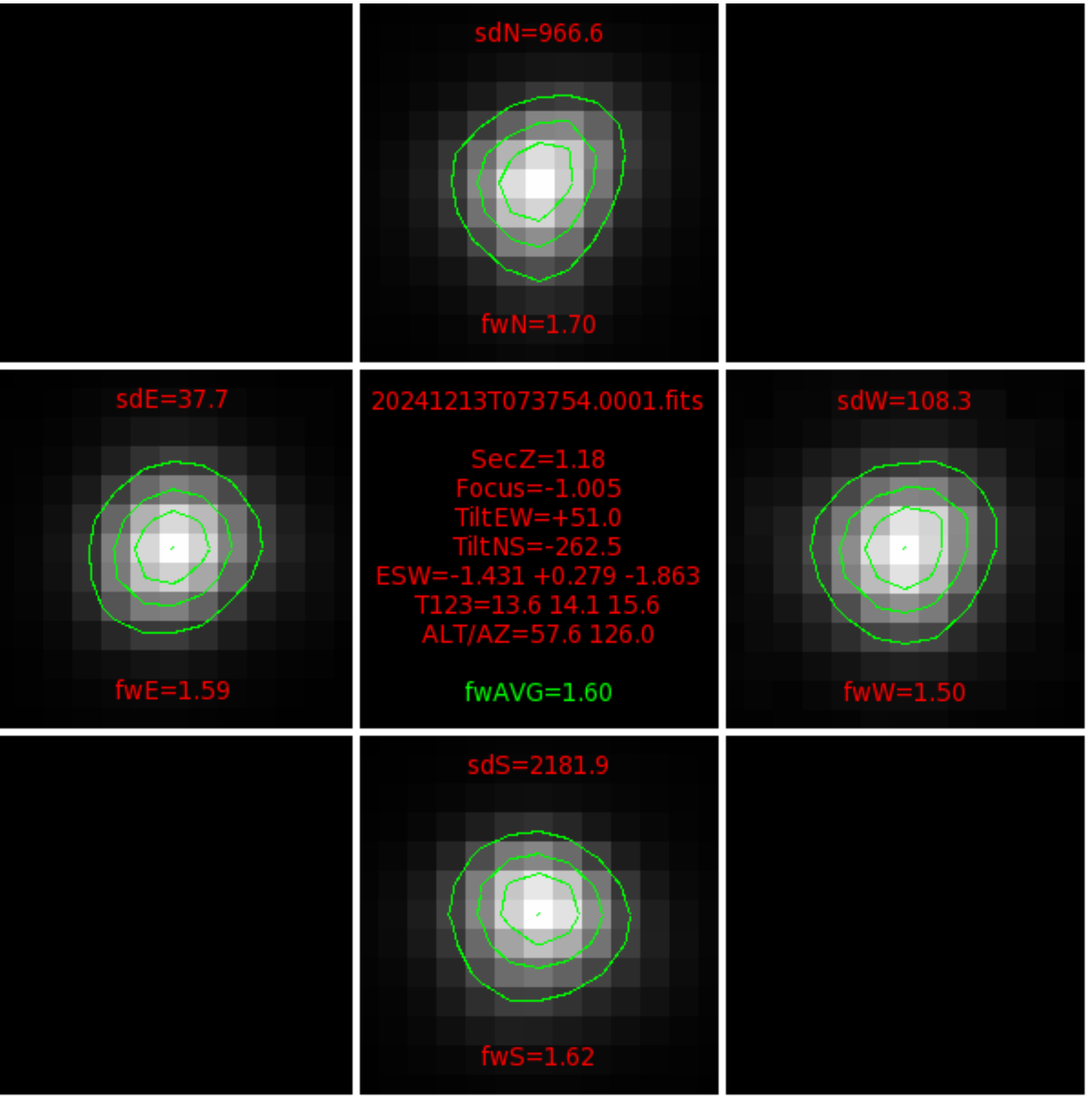
sdN=966.6
fwN=1.70
sdE=37.7
fwE=1.59
20241213T073754.0001.fits
SecZ=1.18
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.1 15.6
ALT/AZ=57.6 126.0
fwAVG=1.60
sdW=108.3
fwW=1.50
sdS=2181.9
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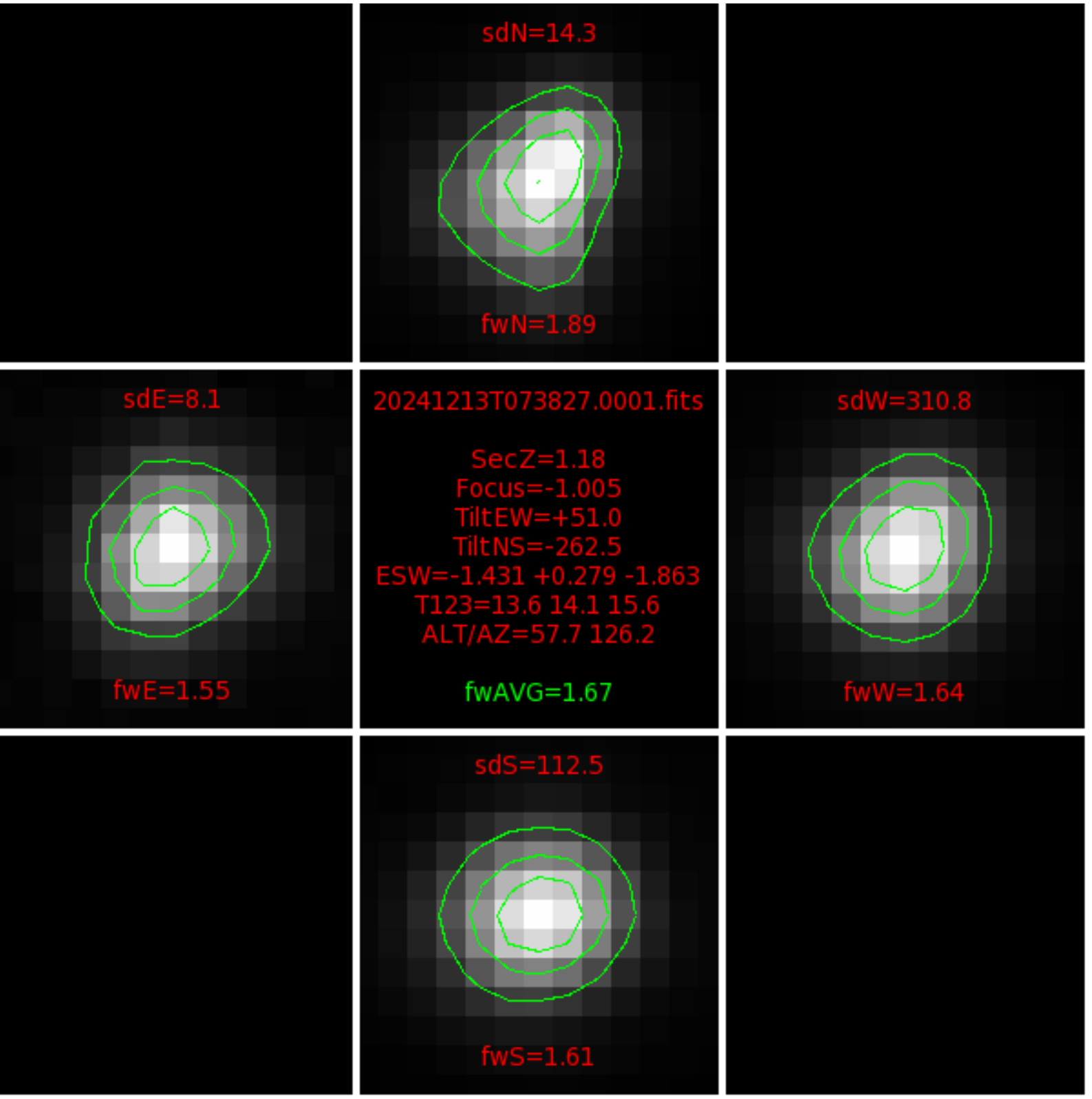
sdN=14.3
fwN=1.89
sdE=8.1
fwE=1.55
20241213T073827.0001.fits
SecZ=1.18
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.1 15.6
ALT/AZ=57.7 126.2
fwAVG=1.67
sdW=310.8
fwW=1.64
sdS=112.5
fwS=1.61
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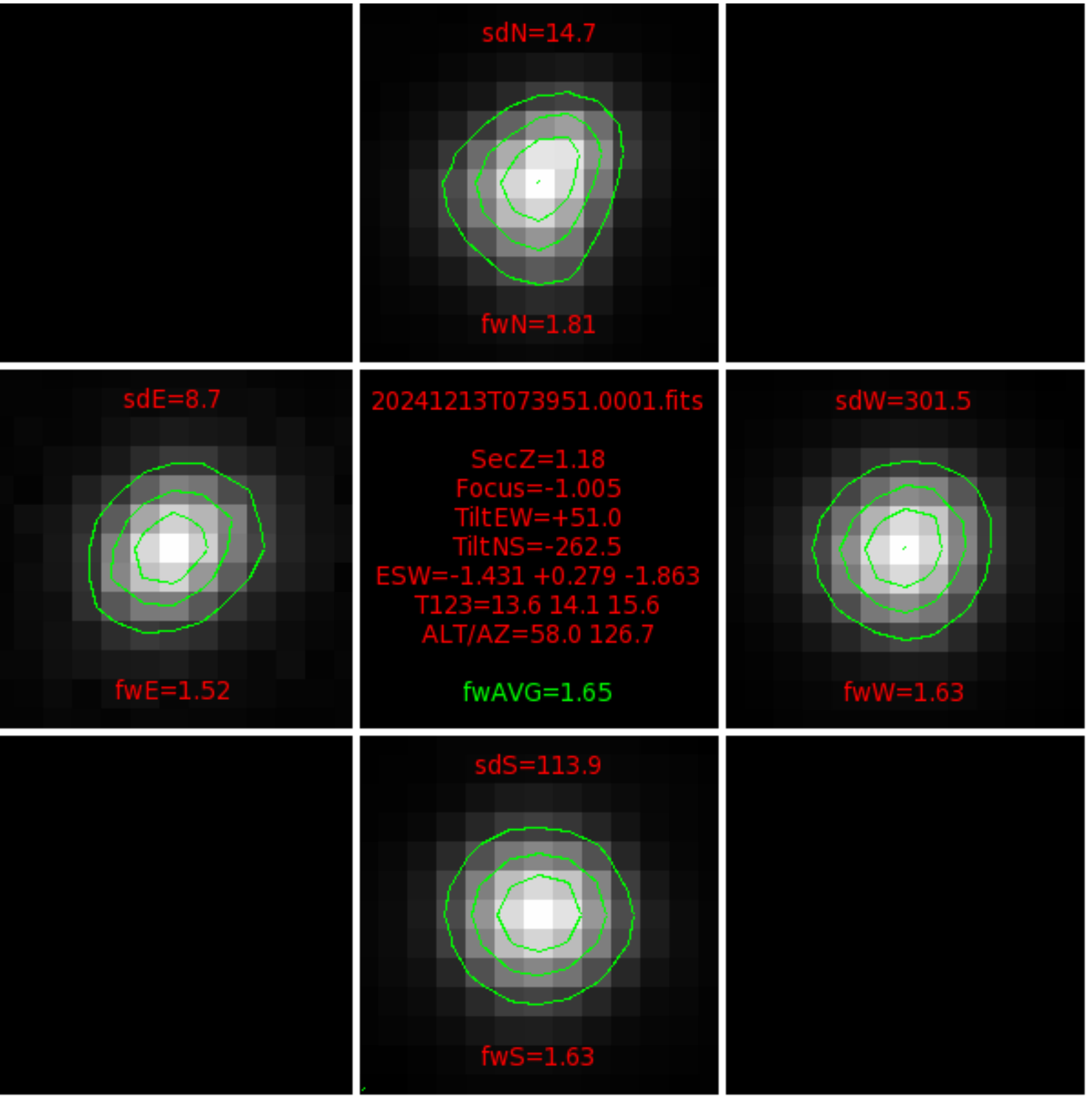
sdN=14.7
fwN=1.81
sdE=8.7
fwE=1.52
20241213T073951.0001.fits
SecZ=1.18
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.1 15.6
ALT/AZ=58.0 126.7
fwAVG=1.65
sdW=301.5
fwW=1.63
sdS=113.9
fwS=1.63
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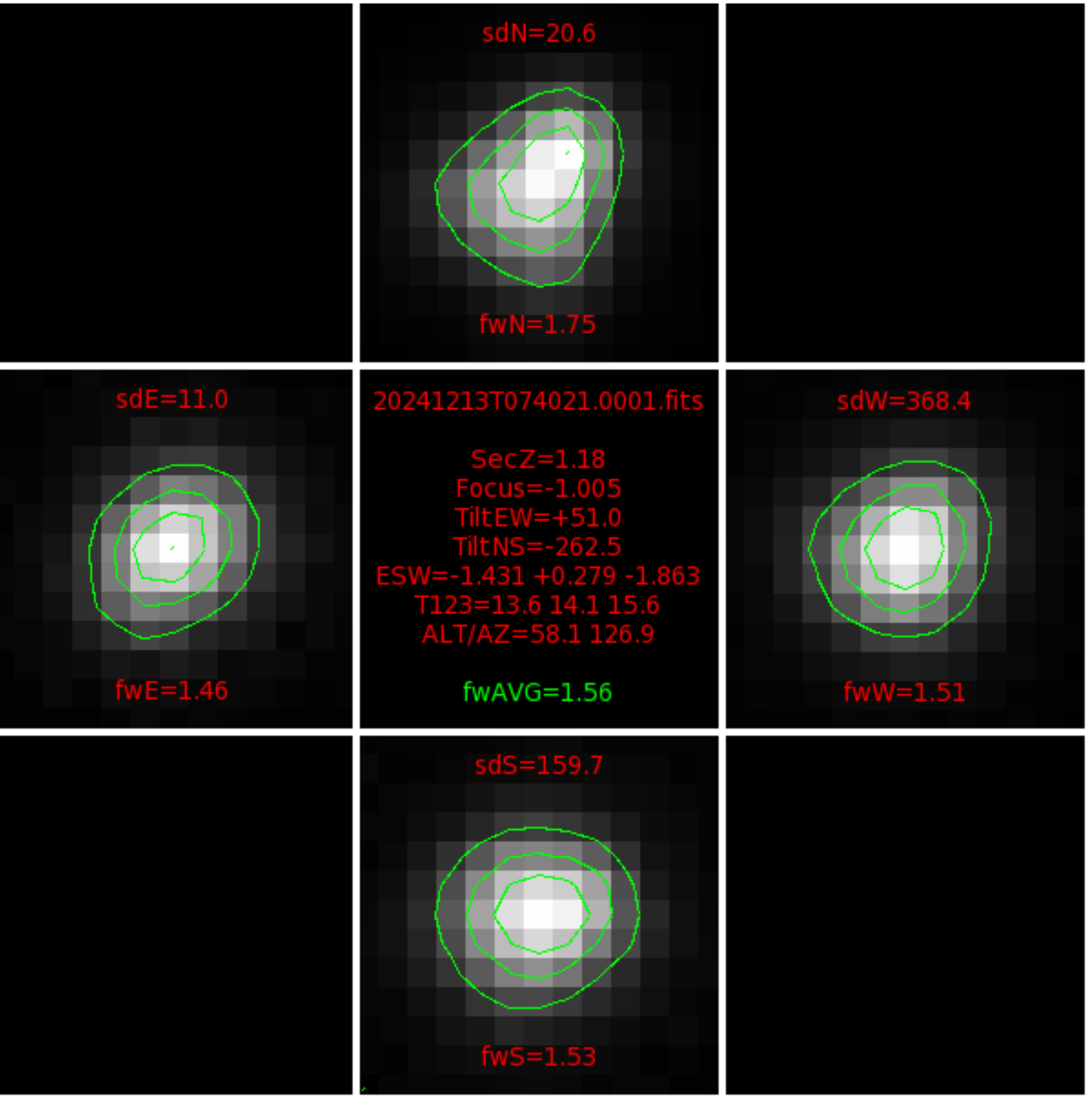
sdN=20.6
fwN=1.75
sdE=11.0
fwE=1.46
20241213T074021.0001.fits
SecZ=1.18
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.1 15.6
ALT/AZ=58.1 126.9
fwAVG=1.56
sdW=368.4
fwW=1.51
sdS=159.7
fwS=1.53
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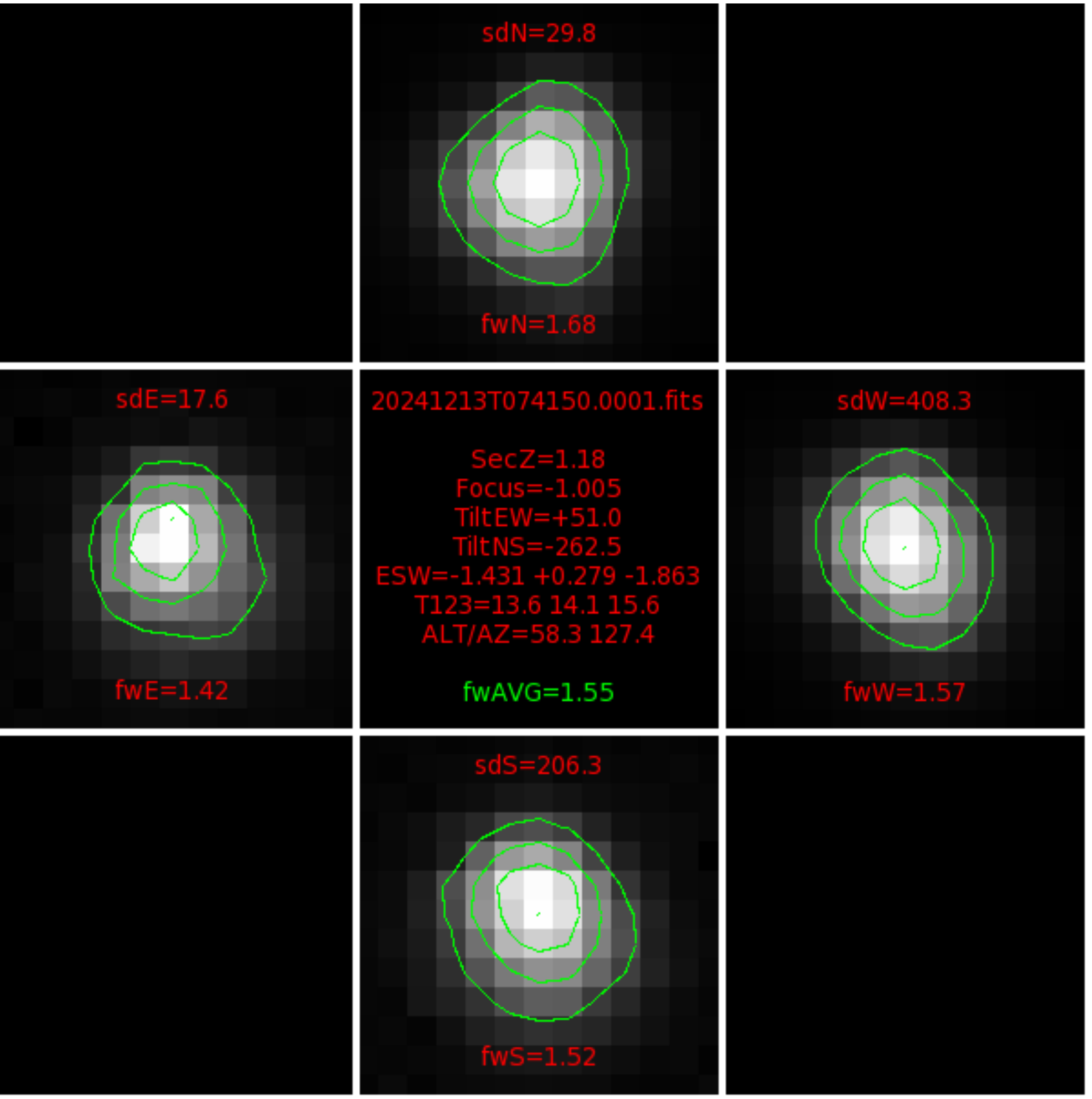
sdN=29.8
fwN=1.68
sdE=17.6
fwE=1.42
20241213T074150.0001.fits
SecZ=1.18
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.1 15.6
ALT/AZ=58.3 127.4
fwAVG=1.55
sdW=408.3
fwW=1.57
sdS=206.3
fwS=1.52
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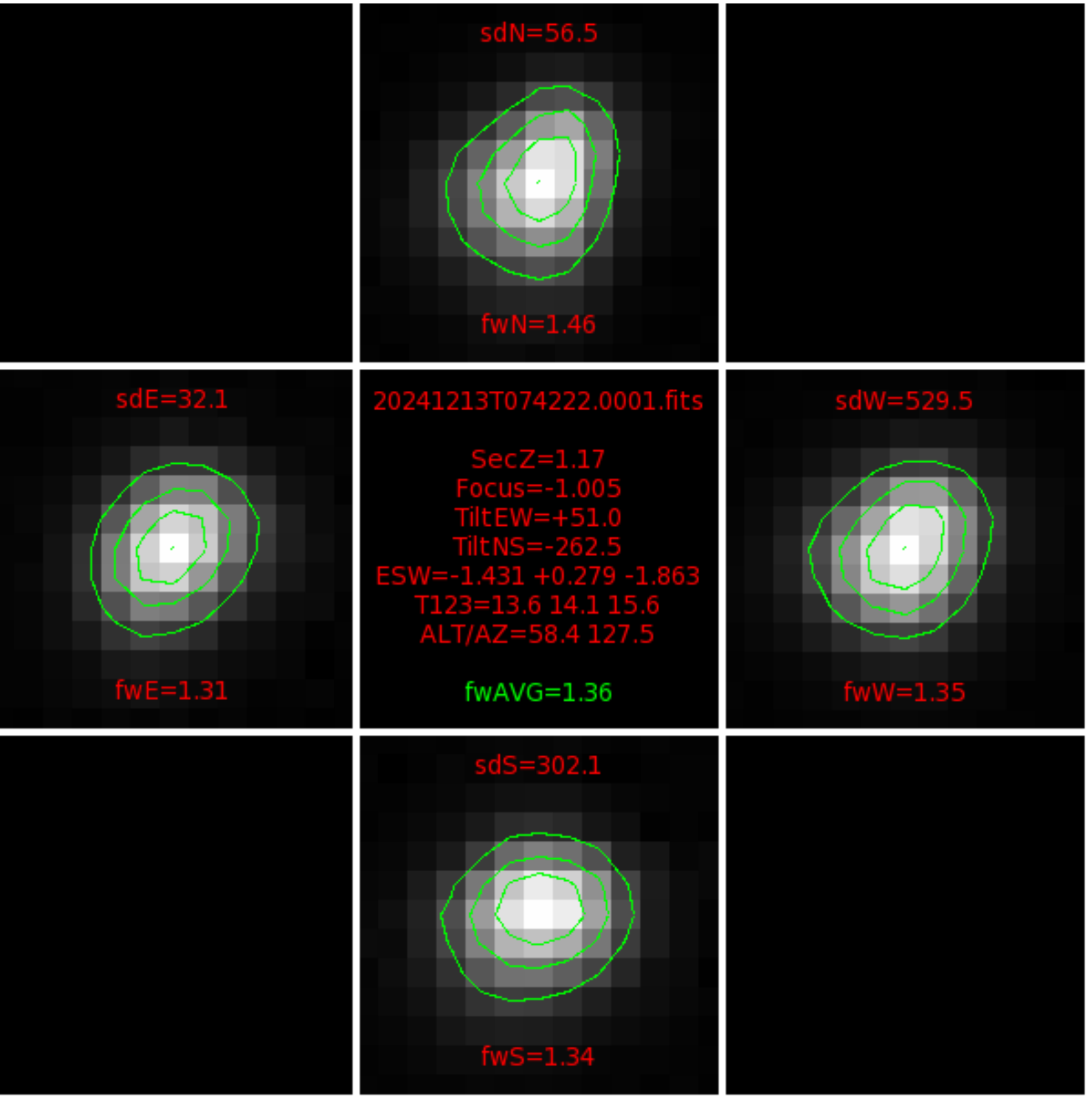
sdN=56.5
fwN=1.46
sdE=32.1
fwE=1.31
20241213T074222.0001.fits
SecZ=1.17
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.1 15.6
ALT/AZ=58.4 127.5
fwAVG=1.36
sdW=529.5
fwW=1.35
sdS=302.1
fwS=1.34
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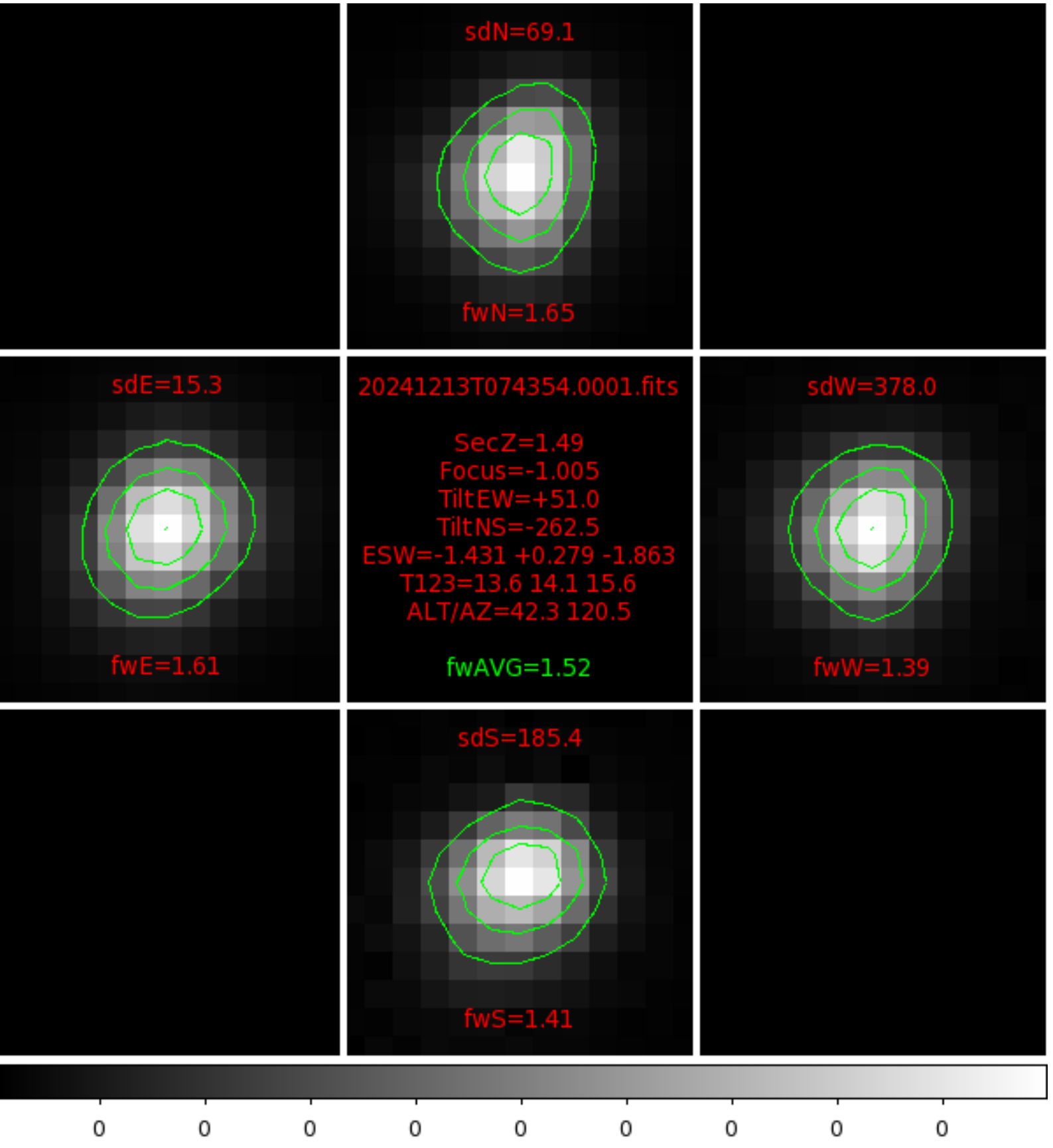
sdN=69.1
fwN=1.65
sdE=15.3
fwE=1.61
20241213T074354.0001.fits
SecZ=1.49
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.1 15.6
ALT/AZ=42.3 120.5
fwAVG=1.52
sdW=378.0
fwW=1.39
sdS=185.4
fwS=1.41
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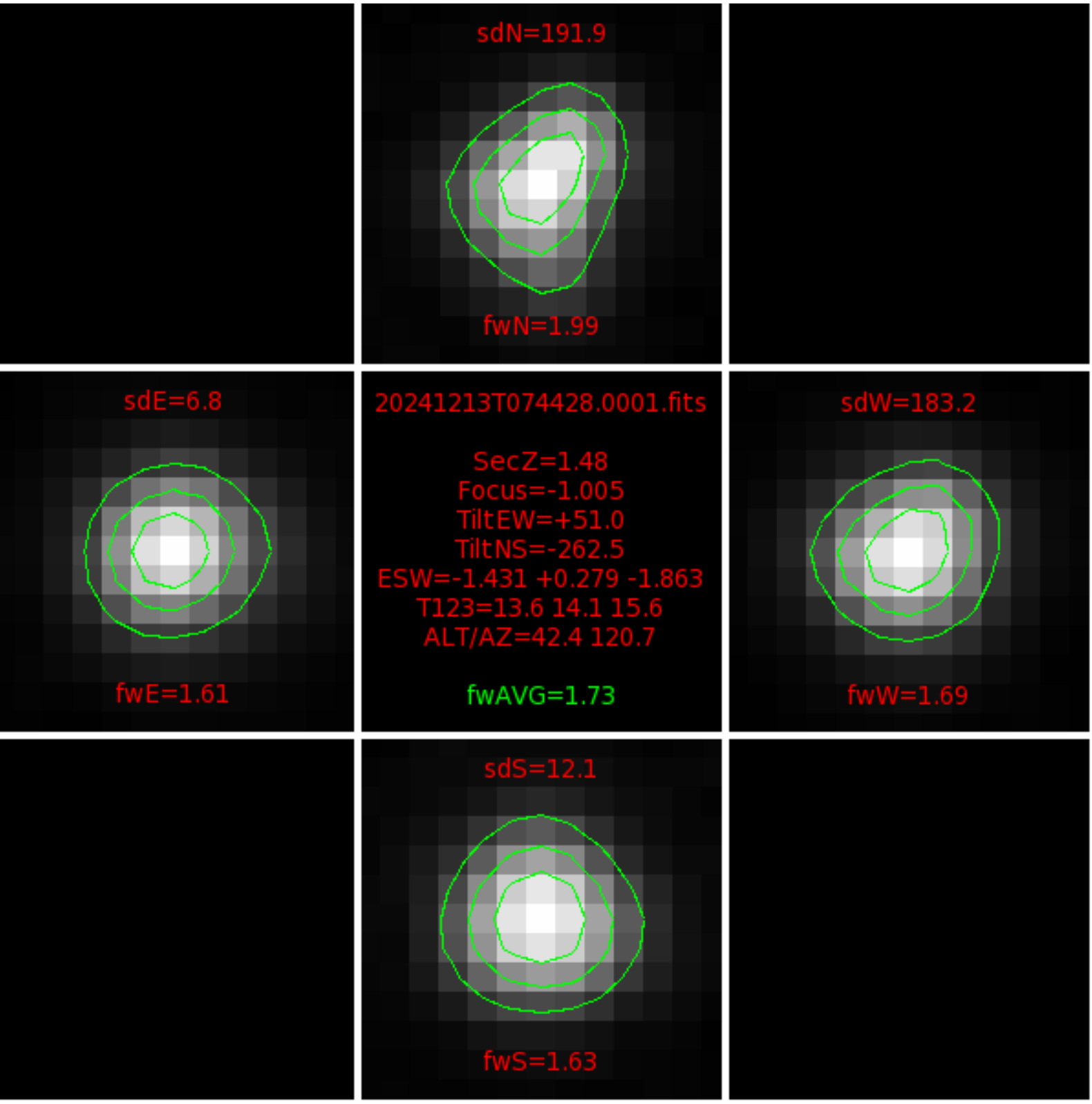
sdN=191.9
fwN=1.99
sdE=6.8
fwE=1.61
20241213T074428.0001.fits
SecZ=1.48
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.1 15.6
ALT/AZ=42.4 120.7
fwAVG=1.73
sdW=183.2
fwW=1.69
sdS=12.1
fwS=1.63
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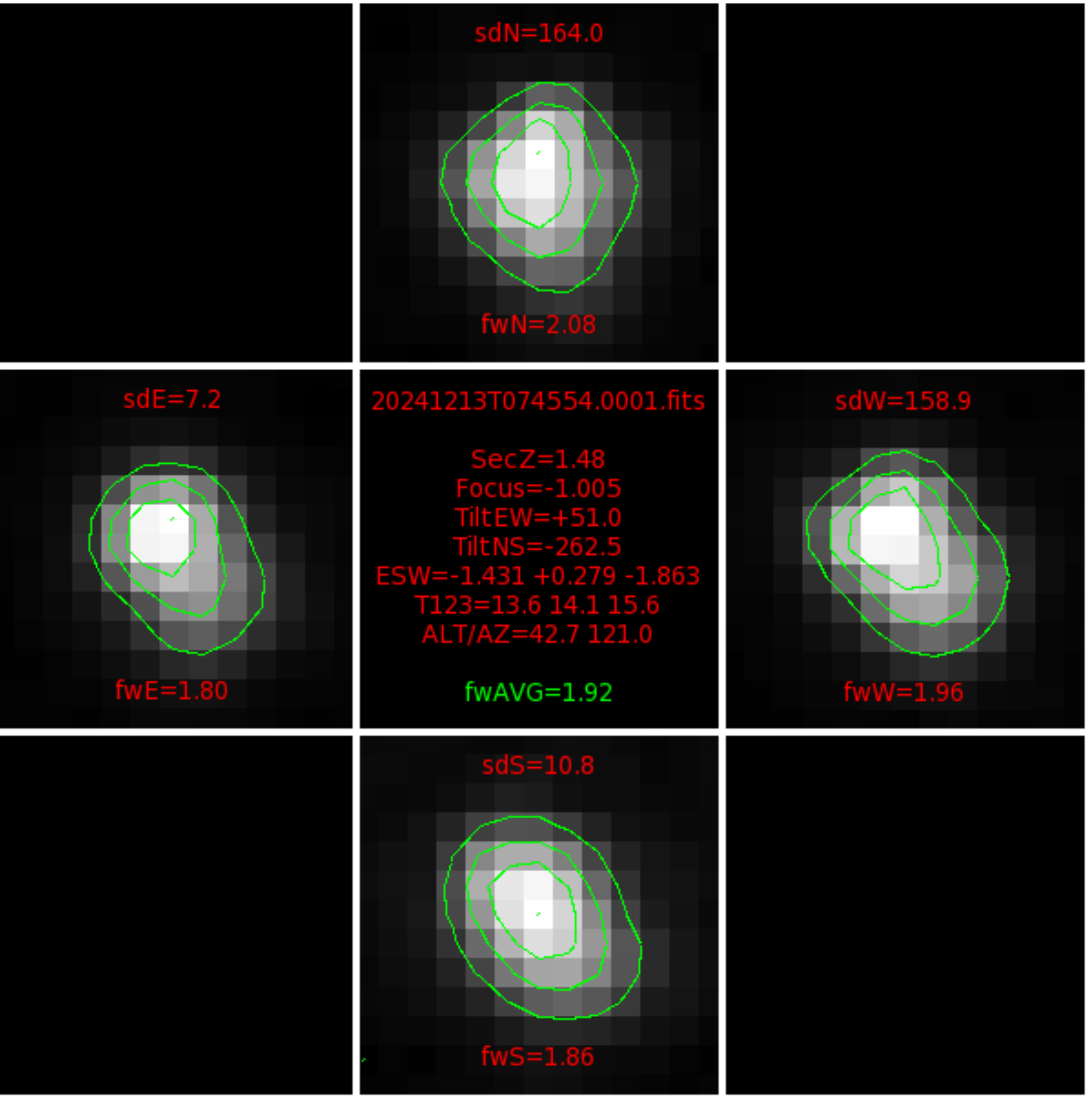
sdN=164.0
fwN=2.08
sdE=7.2
fwE=1.80
20241213T074554.0001.fits
SecZ=1.48
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.1 15.6
ALT/AZ=42.7 121.0
fwAVG=1.92
sdW=158.9
fwW=1.96
sdS=10.8
fwS=1.86
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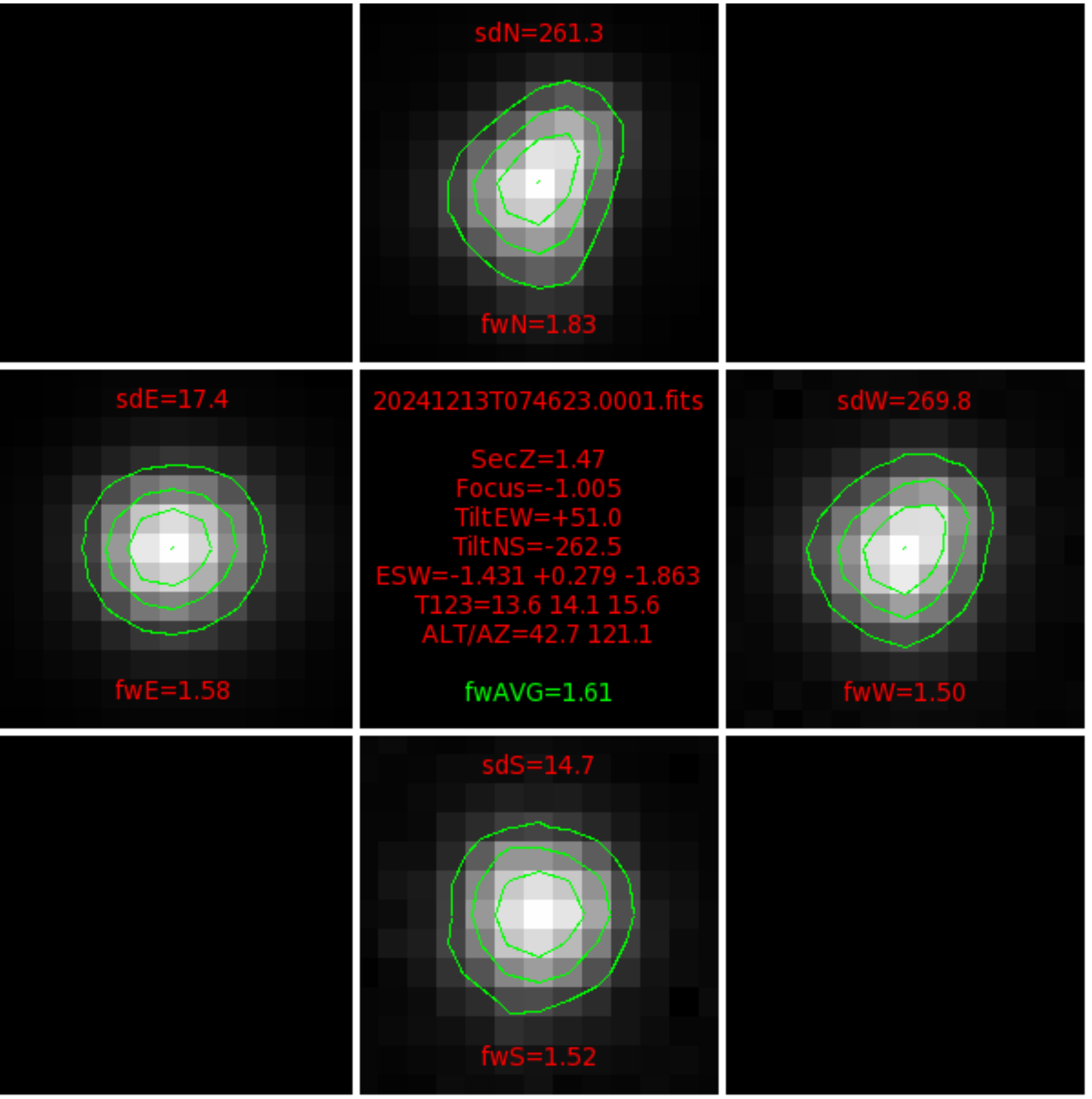
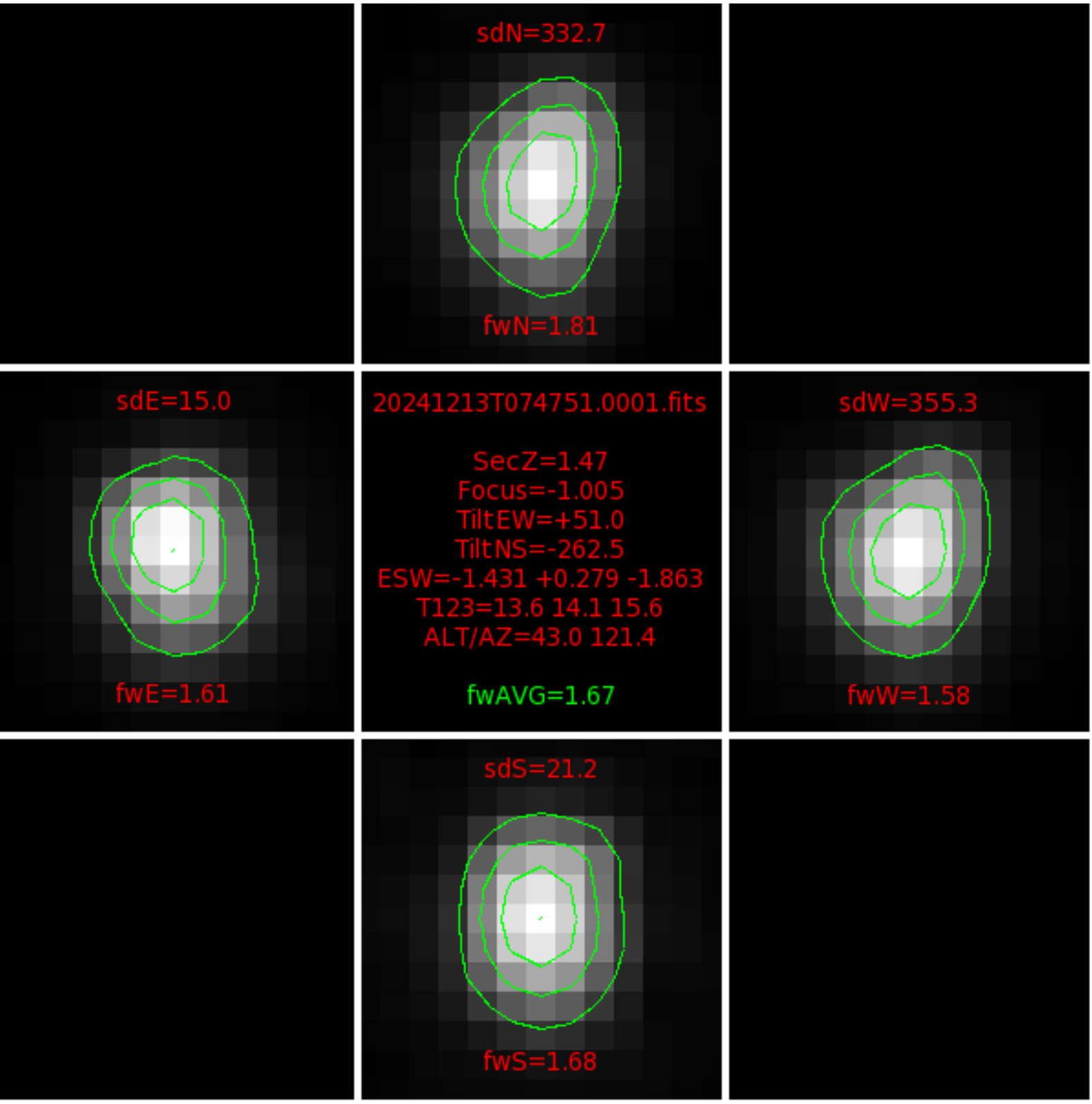

sdN=261.3
fwN=1.83
sdE=17.4
fwE=1.58
20241213T074623.0001.fits
SecZ=1.47
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.1 15.6
ALT/AZ=42.7 121.1
fwAVG=1.61
sdW=269.8
fwW=1.50
sdS=14.7
fwS=1.52
0 0 0 0 0 0 0 0 0


sdN=332.7
fwN=1.81
sdE=15.0
fwE=1.61
20241213T074751.0001.fits
SecZ=1.47
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.1 15.6
ALT/AZ=43.0 121.4
fwAVG=1.67
sdW=355.3
fwW=1.58
sdS=21.2
fwS=1.68
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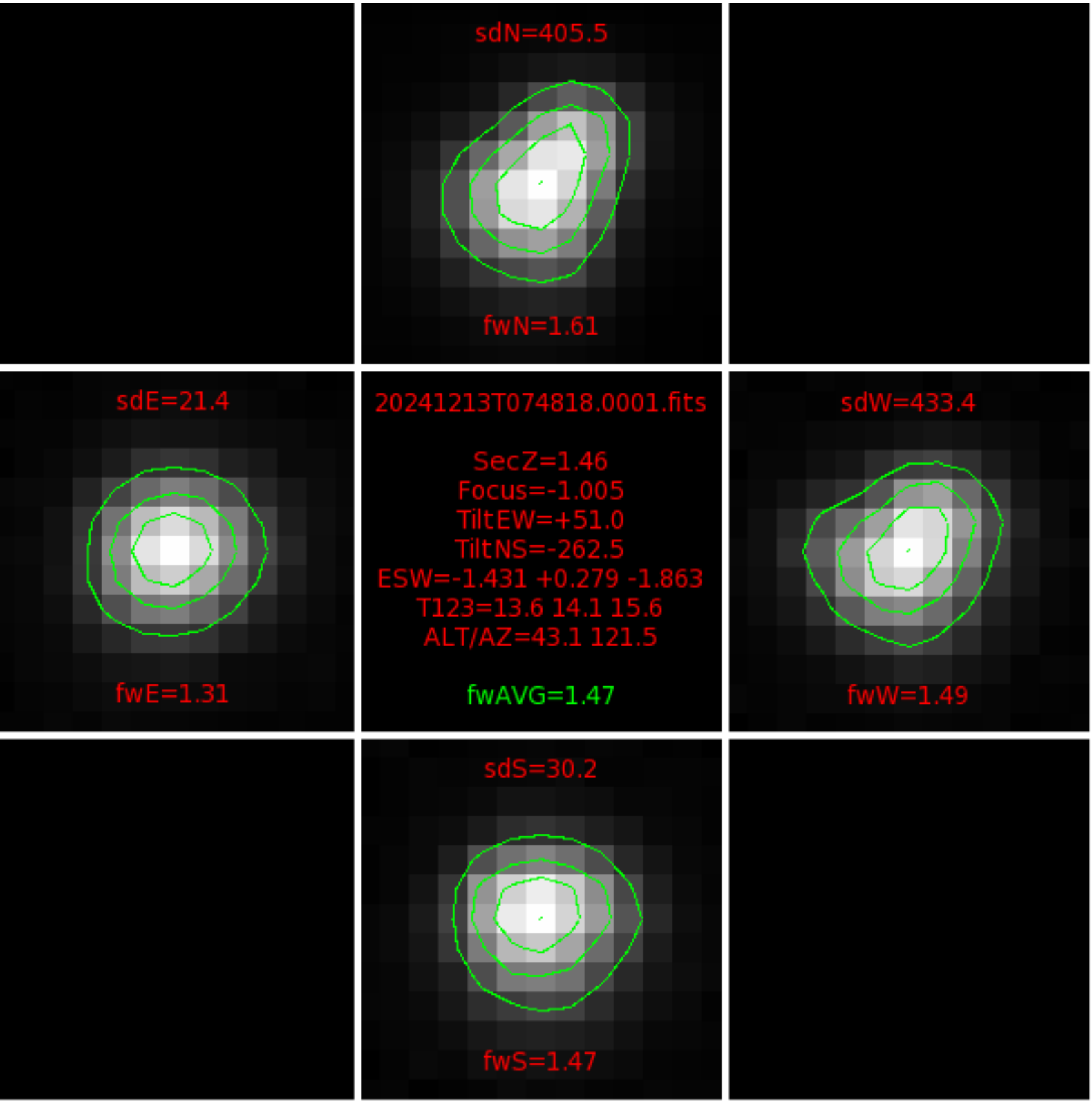
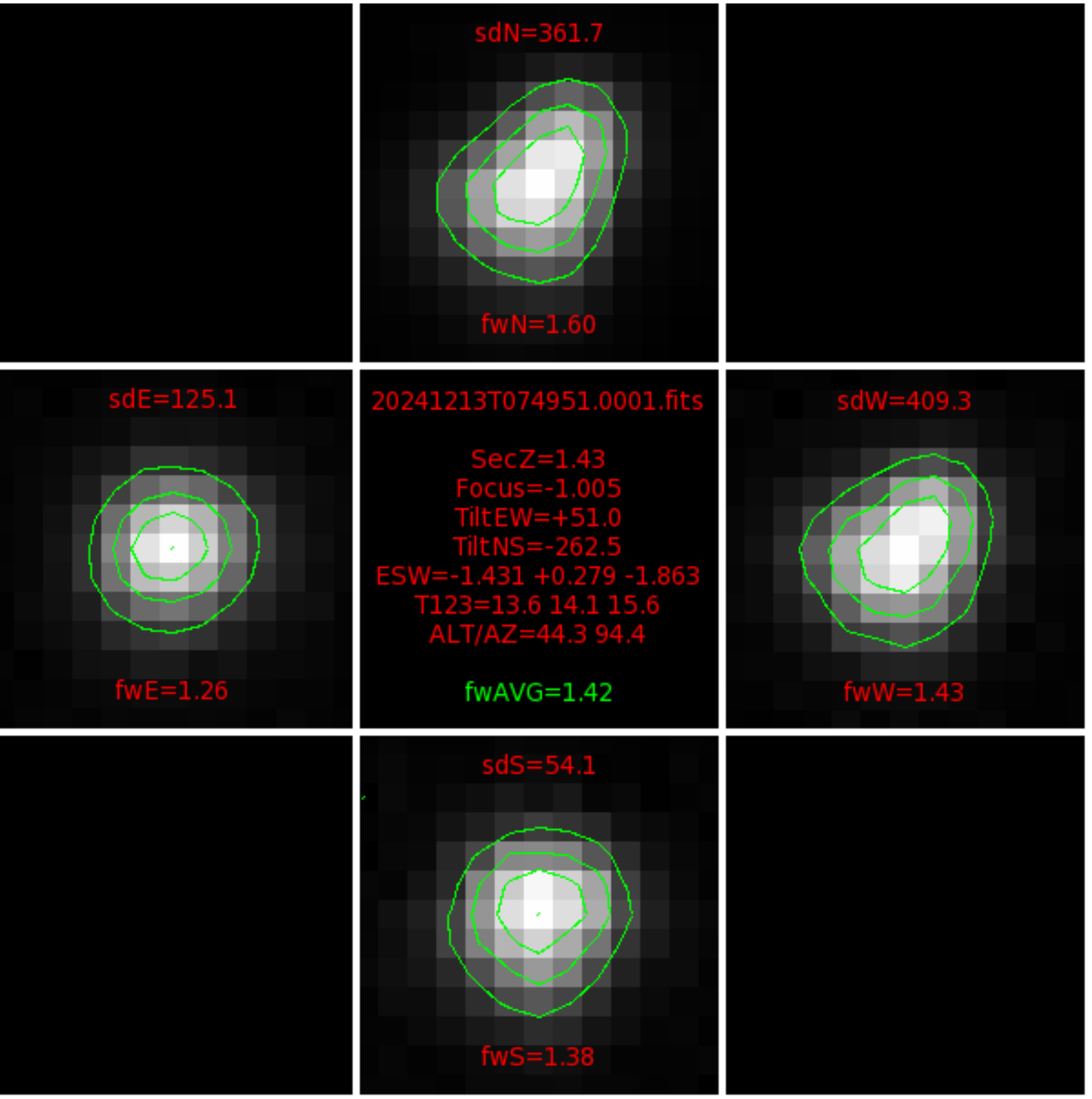

sdN=405.5
fwN=1.61
sdE=21.4
fwE=1.31
20241213T074818.0001.fits
SecZ=1.46
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.1 15.6
ALT/AZ=43.1 121.5
fwAVG=1.47
sdW=433.4
fwW=1.49
sdS=30.2
fwS=1.47
0 0 0 0 0 0 0 0 0


sdN=361.7
fwN=1.60
sdE=125.1
fwE=1.26
20241213T074951.0001.fits
SecZ=1.43
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.1 15.6
ALT/AZ=44.3 94.4
fwAVG=1.42
sdW=409.3
fwW=1.43
sdS=54.1
fwS=1.38
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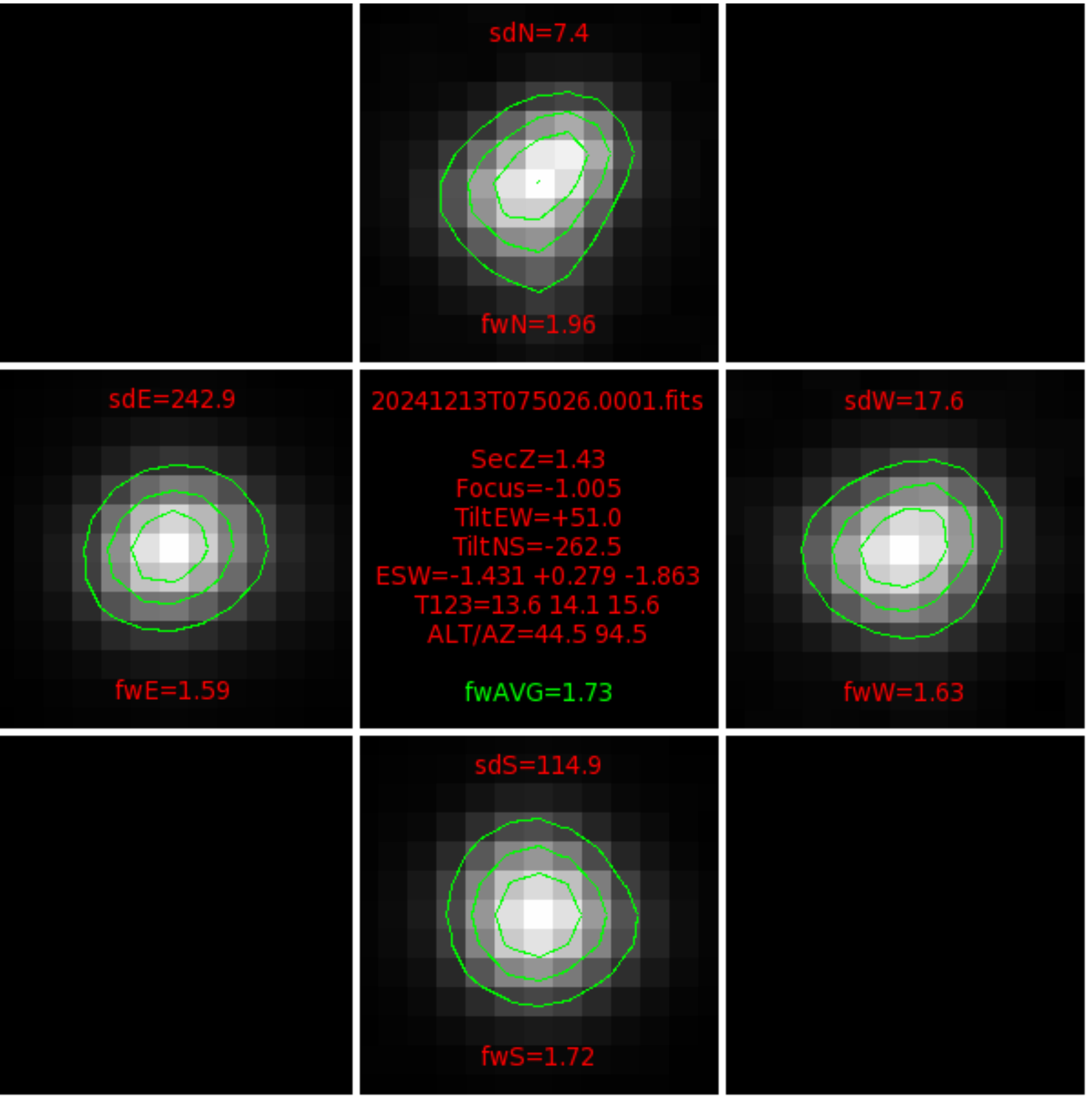
sdN=7.4
fwN=1.96
sdE=242.9
fwE=1.59
20241213T075026.0001.fits
SecZ=1.43
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.1 15.6
ALT/AZ=44.5 94.5
fwAVG=1.73
sdW=17.6
fwW=1.63
sdS=114.9
fwS=1.72
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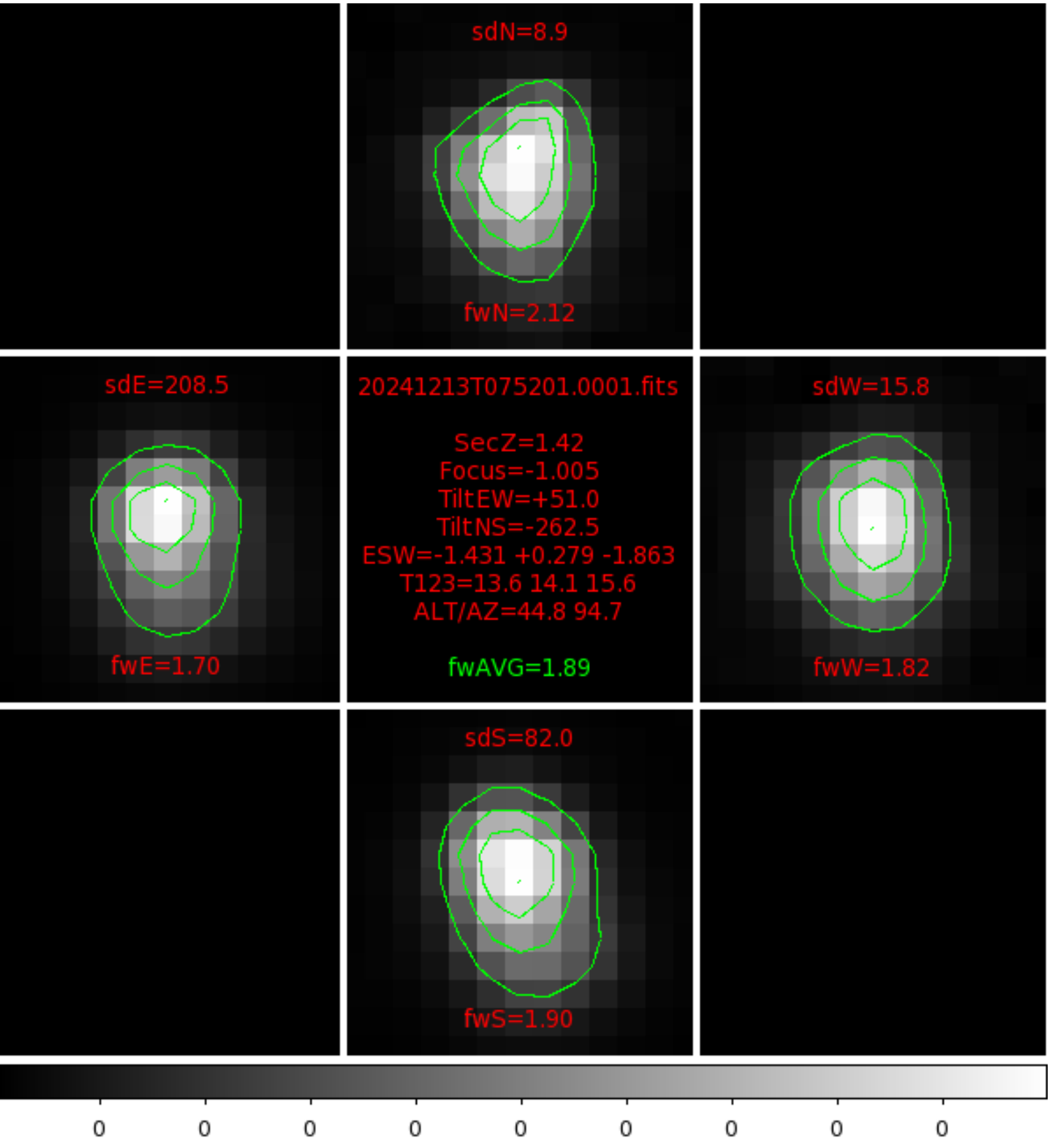
sdN=8.9
fwN=2.12
sdE=208.5
fwE=1.70
20241213T075201.0001.fits
SecZ=1.42
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.1 15.6
ALT/AZ=44.8 94.7
fwAVG=1.89
sdW=15.8
fwW=1.82
sdS=82.0
fwS=1.90
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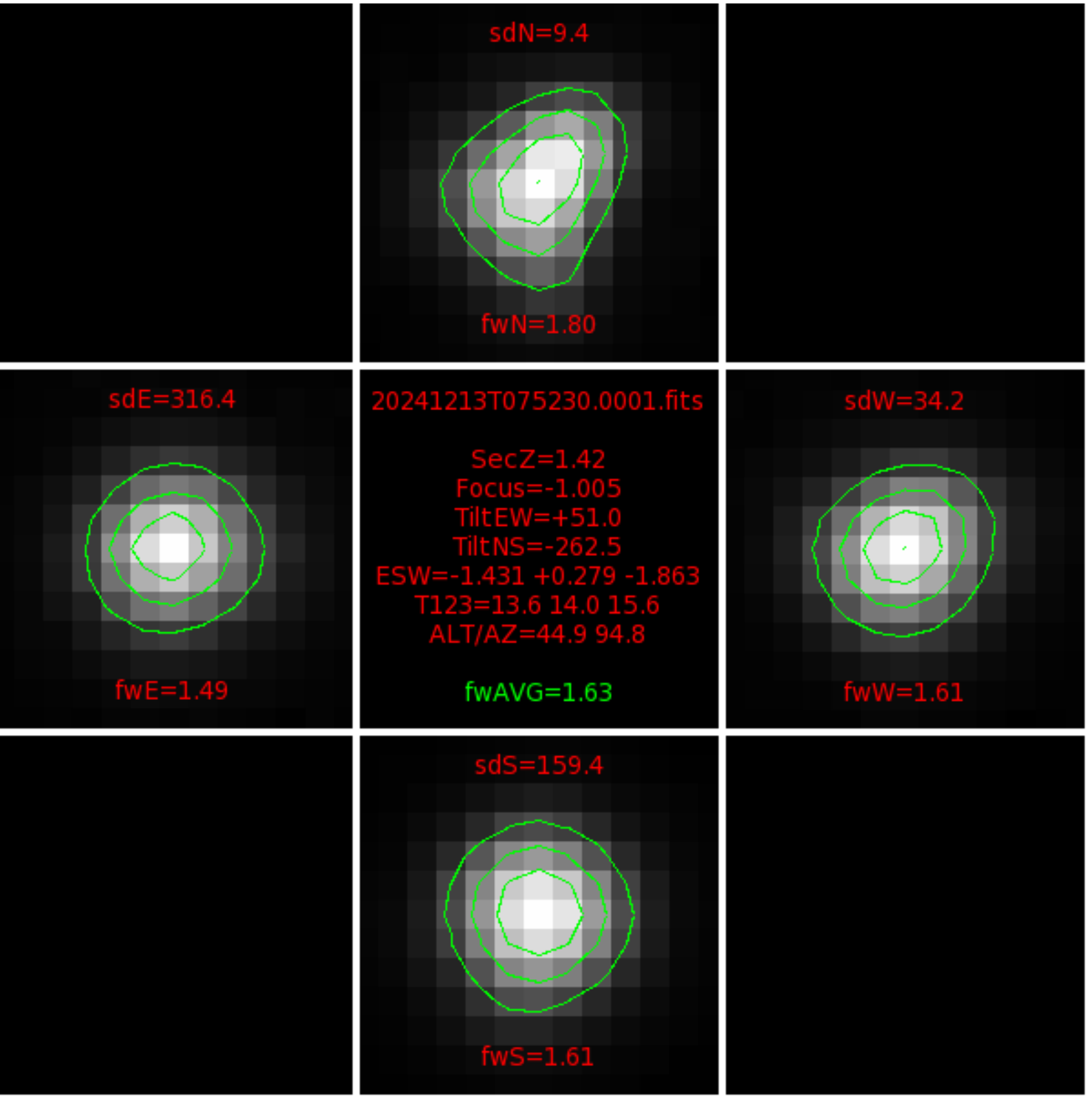
sdN=9.4
fwN=1.80
sdE=316.4
fwE=1.49
20241213T075230.0001.fits
SecZ=1.42
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.0 15.6
ALT/AZ=44.9 94.8
fwAVG=1.63
sdW=34.2
fwW=1.61
sdS=159.4
fwS=1.61
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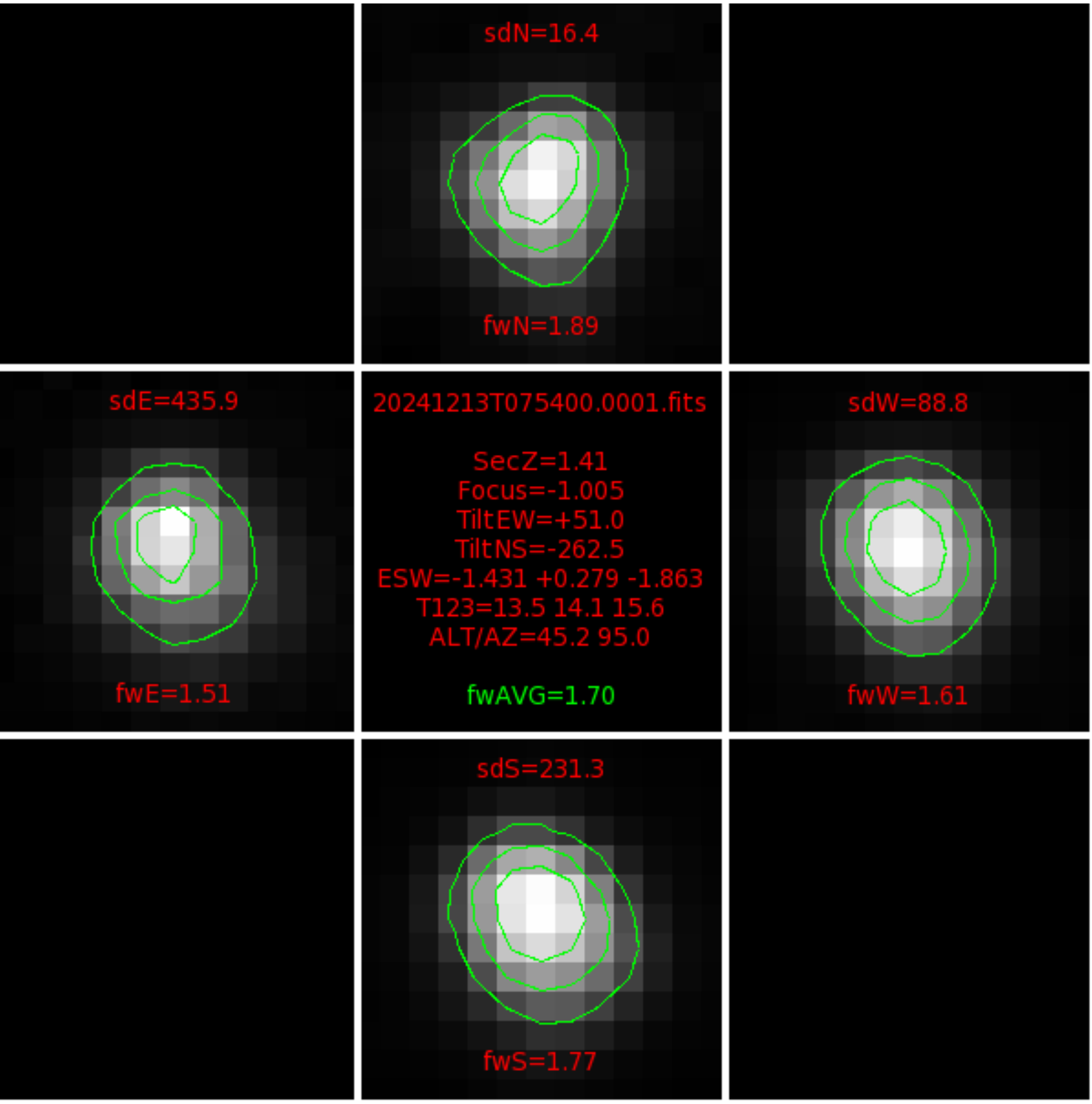
sdN=16.4
fwN=1.89
sdE=435.9
fwE=1.51
20241213T075400.0001.fits
SecZ=1.41
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.5 14.1 15.6
ALT/AZ=45.2 95.0
fwAVG=1.70
sdW=88.8
fwW=1.61
sdS=231.3
fwS=1.77
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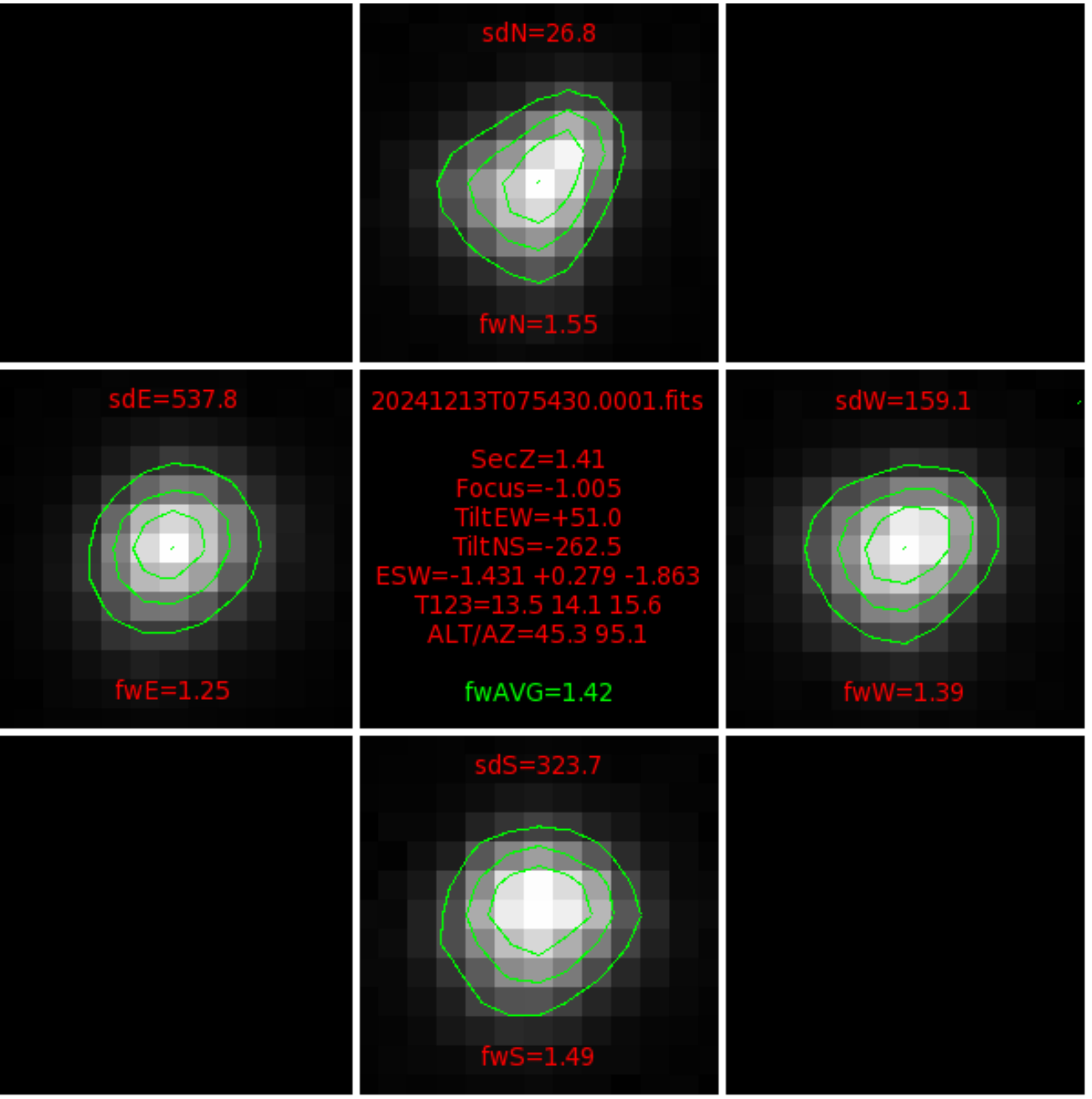
sdN=26.8
fwN=1.55
sdE=537.8
fwE=1.25
20241213T075430.0001.fits
SecZ=1.41
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.5 14.1 15.6
ALT/AZ=45.3 95.1
fwAVG=1.42
sdW=159.1
fwW=1.39
sdS=323.7
fwS=1.49
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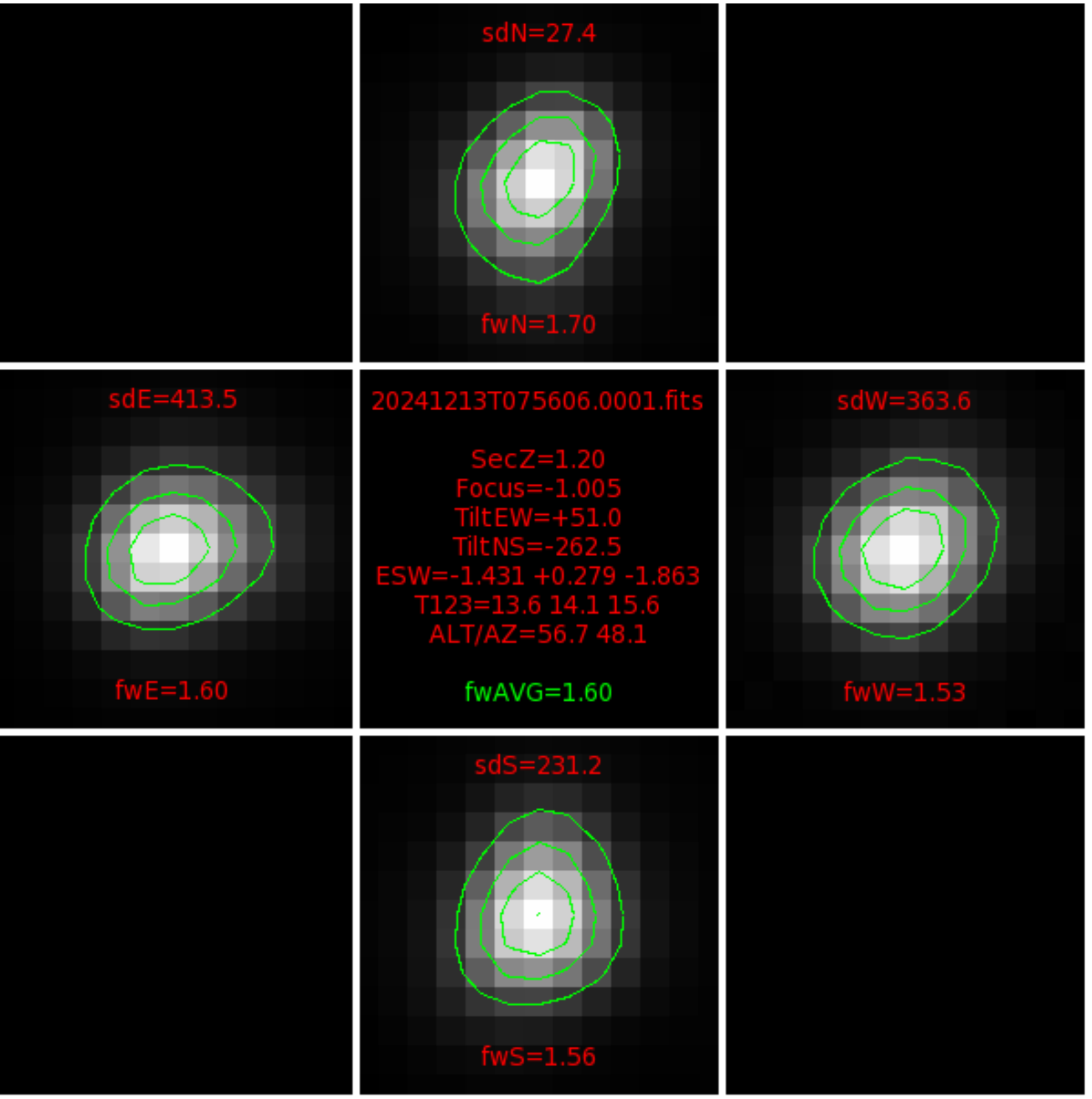
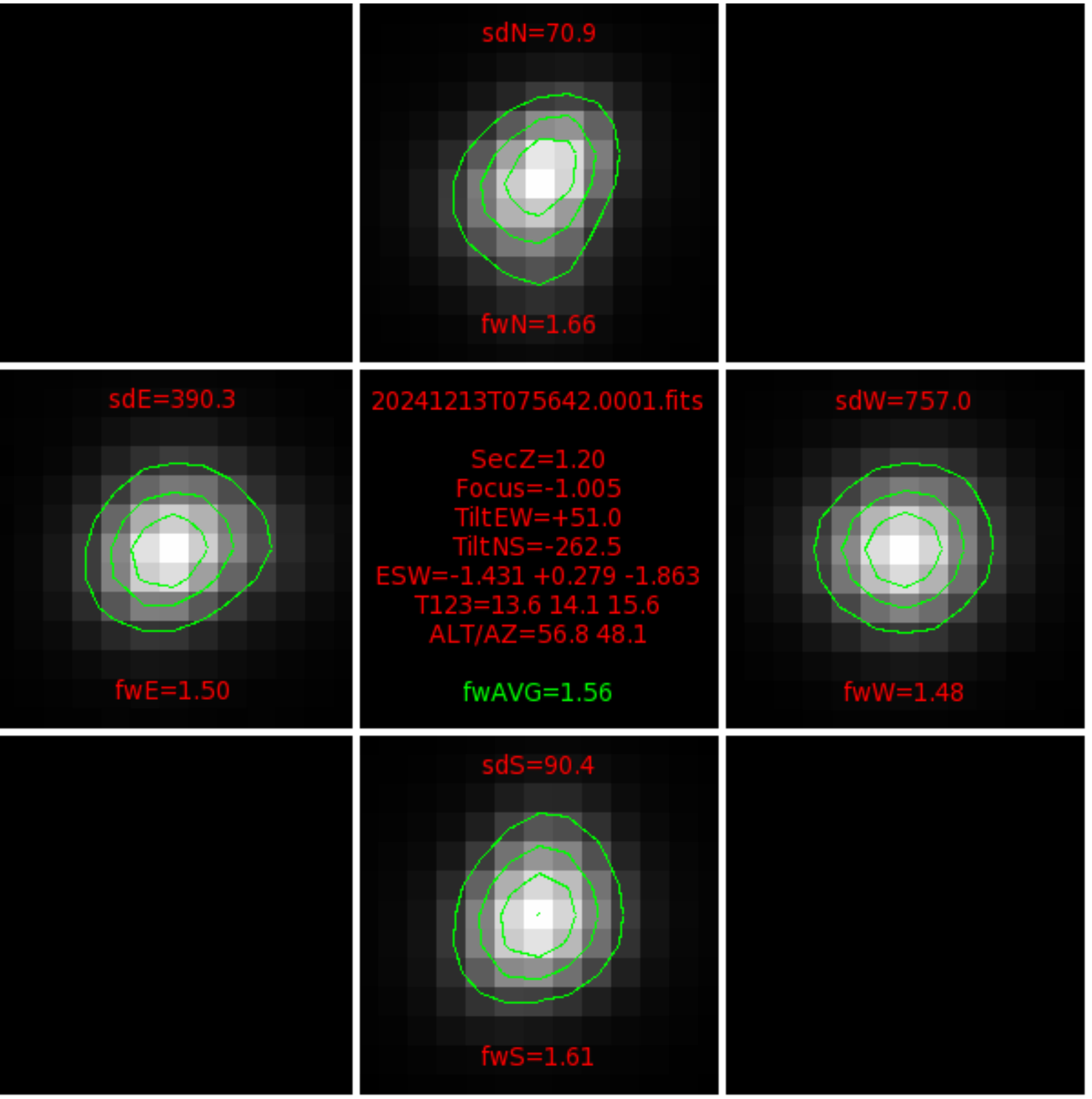
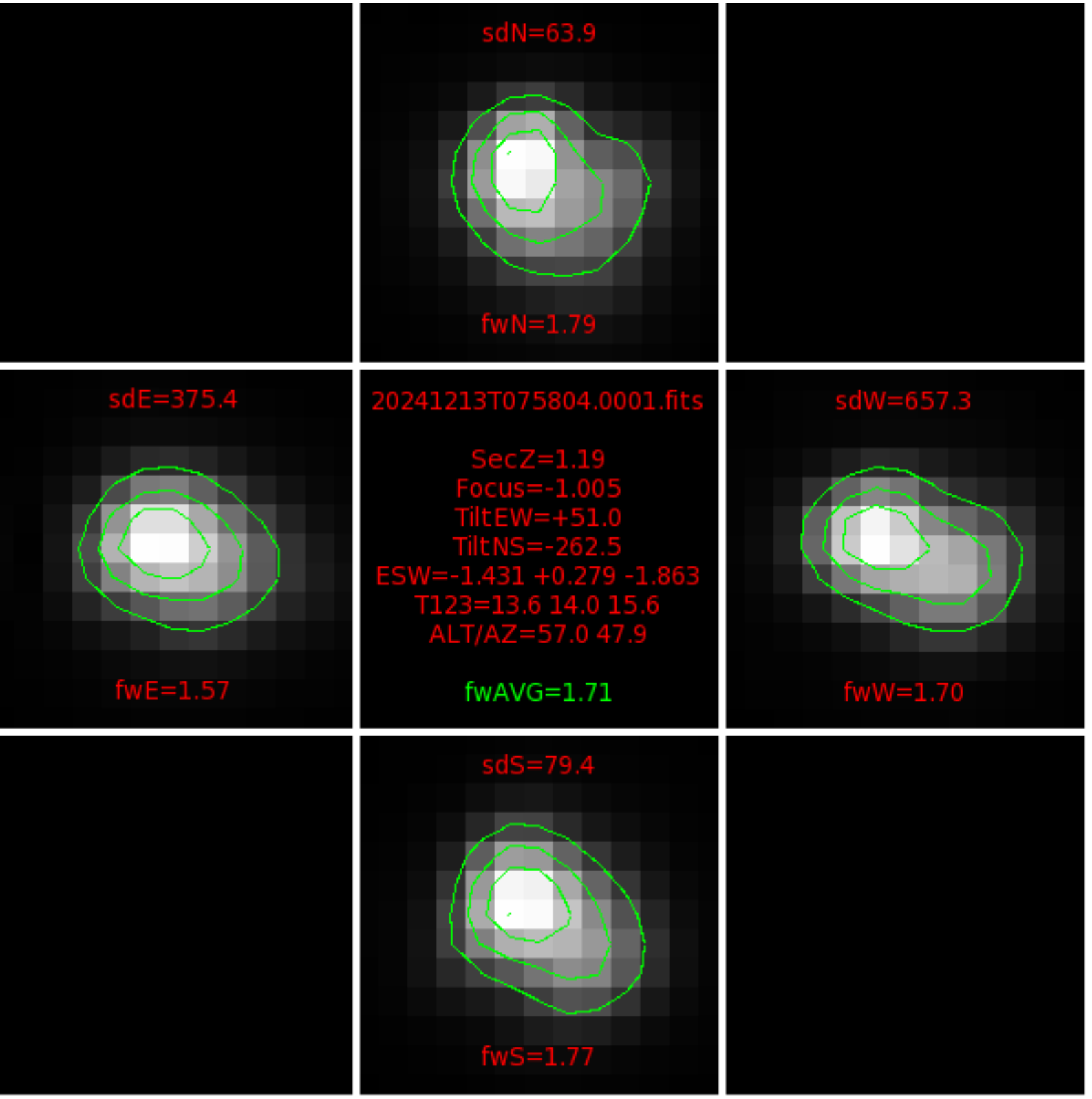

sdN=27.4
fwN=1.70
sdE=413.5
fwE=1.60
20241213T075606.0001.fits
SecZ=1.20
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.1 15.6
ALT/AZ=56.7 48.1
fwAVG=1.60
sdW=363.6
fwW=1.53
sdS=231.2
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=70.9
fwN=1.66
sdE=390.3
fwE=1.50
20241213T075642.0001.fits
SecZ=1.20
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.1 15.6
ALT/AZ=56.8 48.1
fwAVG=1.56
sdW=757.0
fwW=1.48
sdS=90.4
fwS=1.61
0 0 0 0 0 0 0 0 0


sdN=63.9
fwN=1.79
sdE=375.4
fwE=1.57
20241213T075804.0001.fits
SecZ=1.19
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.0 15.6
ALT/AZ=57.0 47.9
fwAVG=1.71
sdW=657.3
fwW=1.70
sdS=79.4
fwS=1.77
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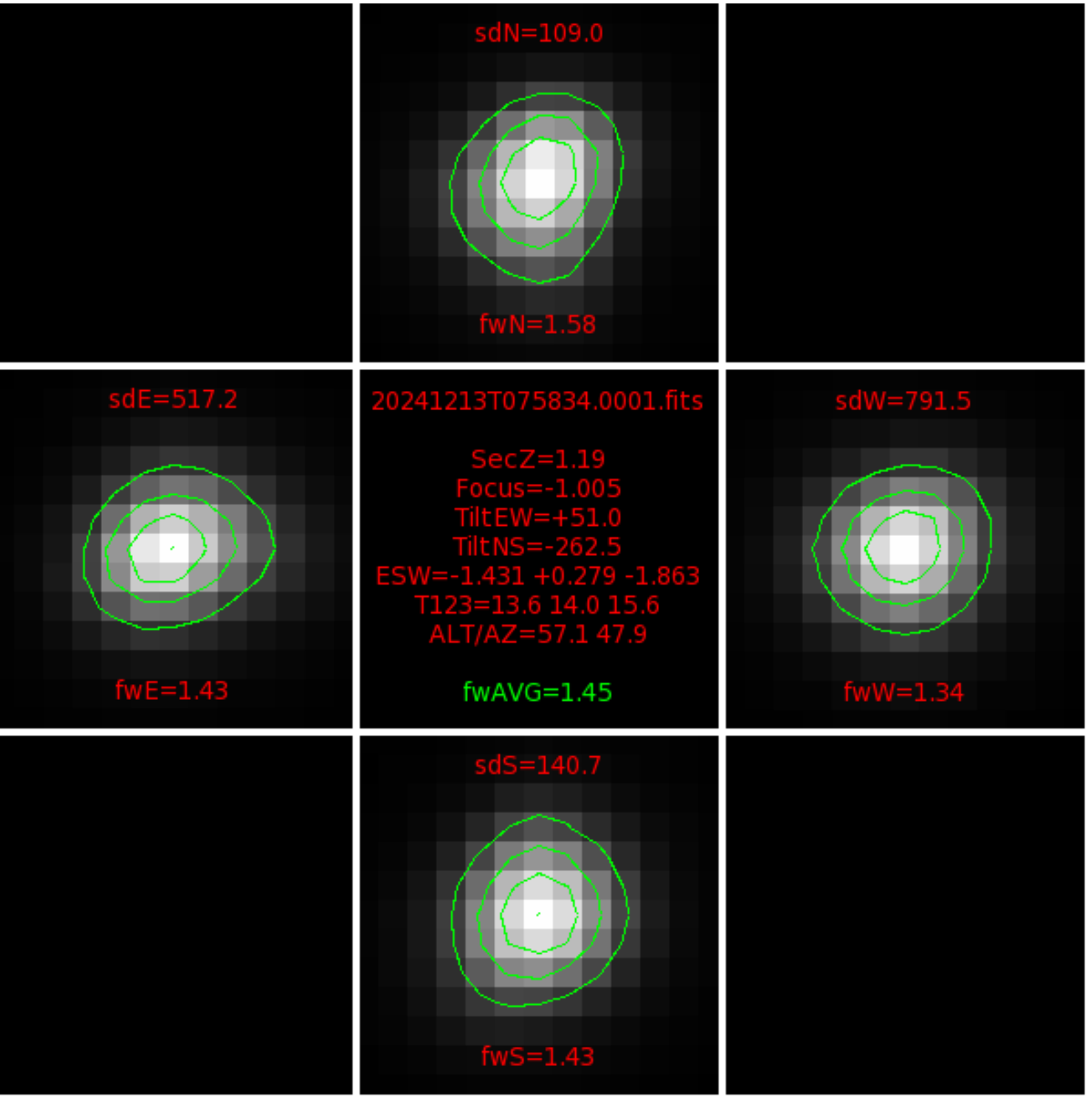
sdN=109.0
fwN=1.58
sdE=517.2
fwE=1.43
20241213T075834.0001.fits
SecZ=1.19
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.0 15.6
ALT/AZ=57.1 47.9
fwAVG=1.45
sdW=791.5
fwW=1.34
sdS=140.7
fwS=1.43
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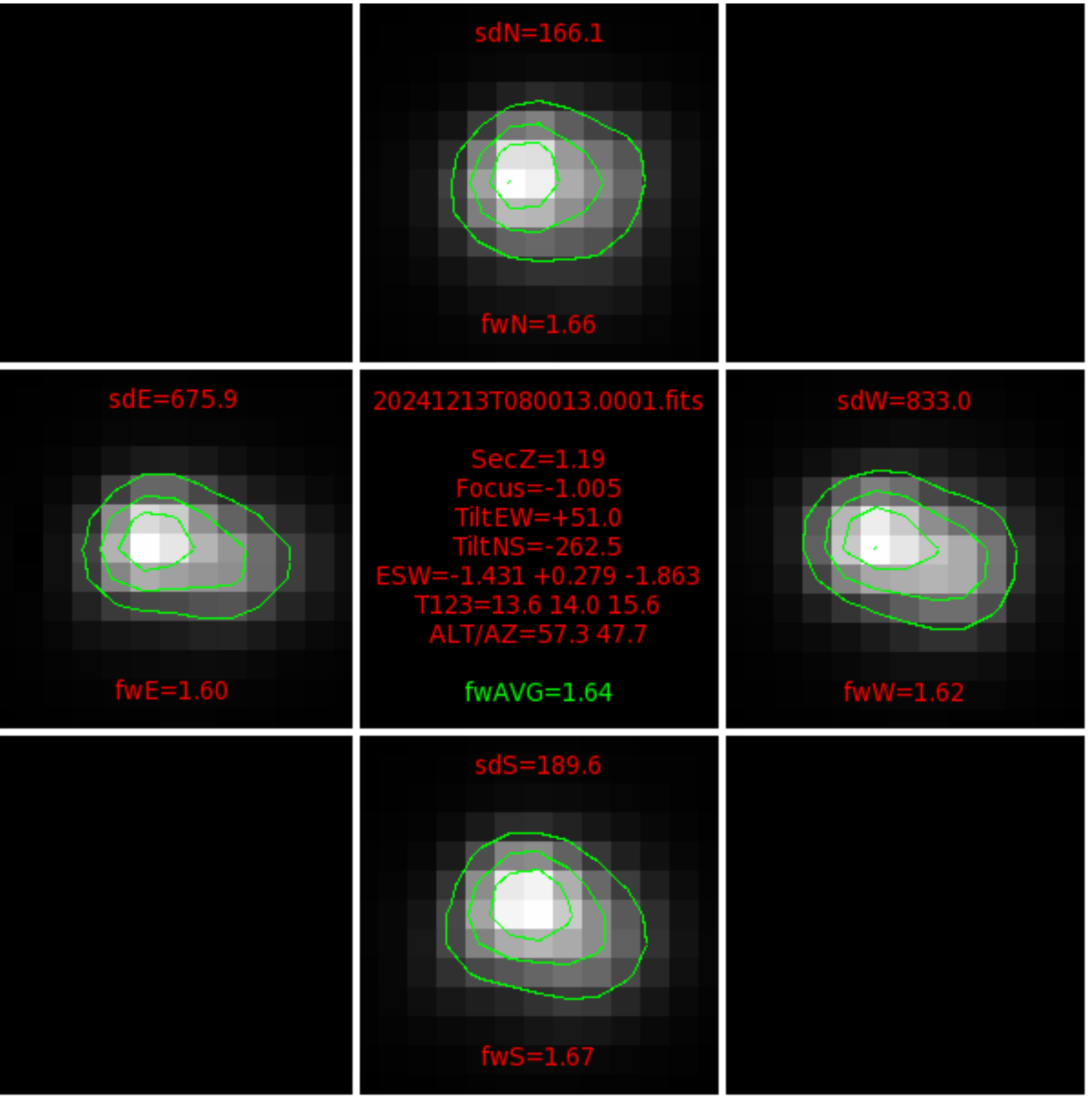
sdN=166.1
fwN=1.66
sdE=675.9
fwE=1.60
20241213T080013.0001.fits
SecZ=1.19
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.0 15.6
ALT/AZ=57.3 47.7
fwAVG=1.64
sdW=833.0
fwW=1.62
sdS=189.6
fwS=1.67
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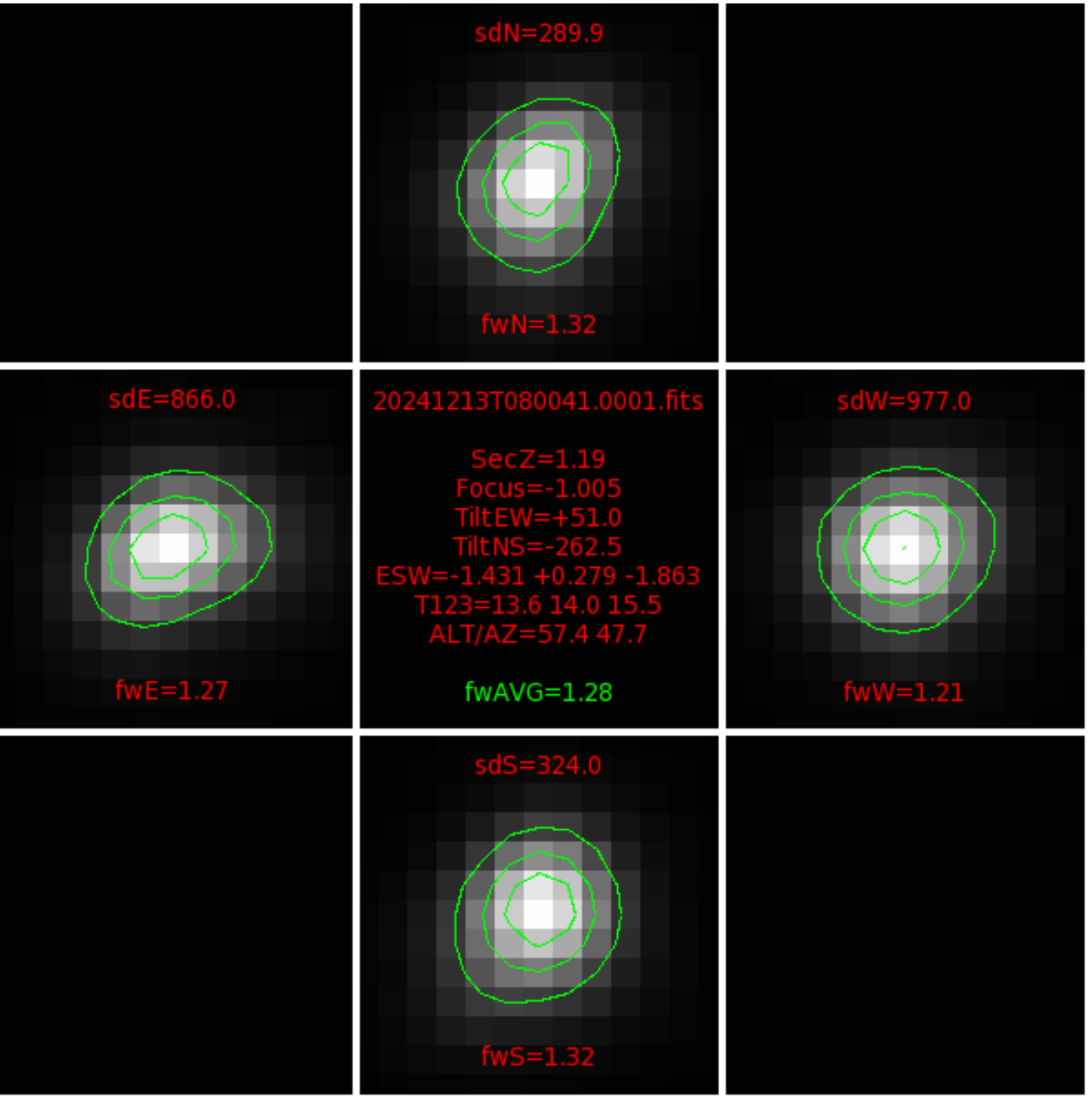
sdN=289.9
fwN=1.32
sdE=866.0
fwE=1.27
20241213T080041.0001.fits
SecZ=1.19
Focus=-1.005
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.431 +0.279 -1.863
T123=13.6 14.0 15.5
ALT/AZ=57.4 47.7
fwAVG=1.28
sdW=977.0
fwW=1.21
sdS=324.0
fwS=1.32
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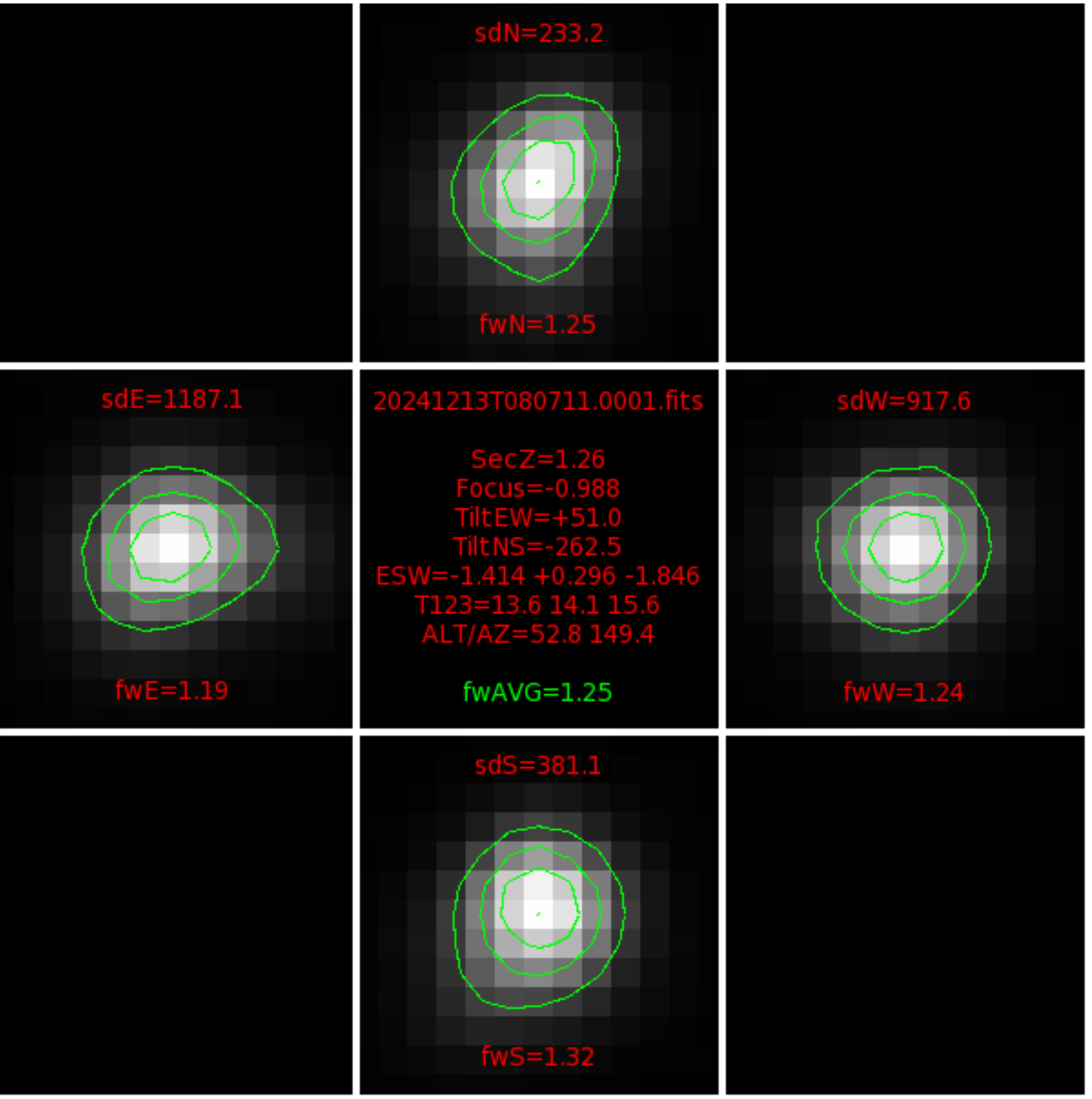
sdN=233.2
fwN=1.25
sdE=1187.1
fwE=1.19
20241213T080711.0001.fits
SecZ=1.26
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.1 15.6
ALT/AZ=52.8 149.4
fwAVG=1.25
sdW=917.6
fwW=1.24
sdS=381.1
fwS=1.32
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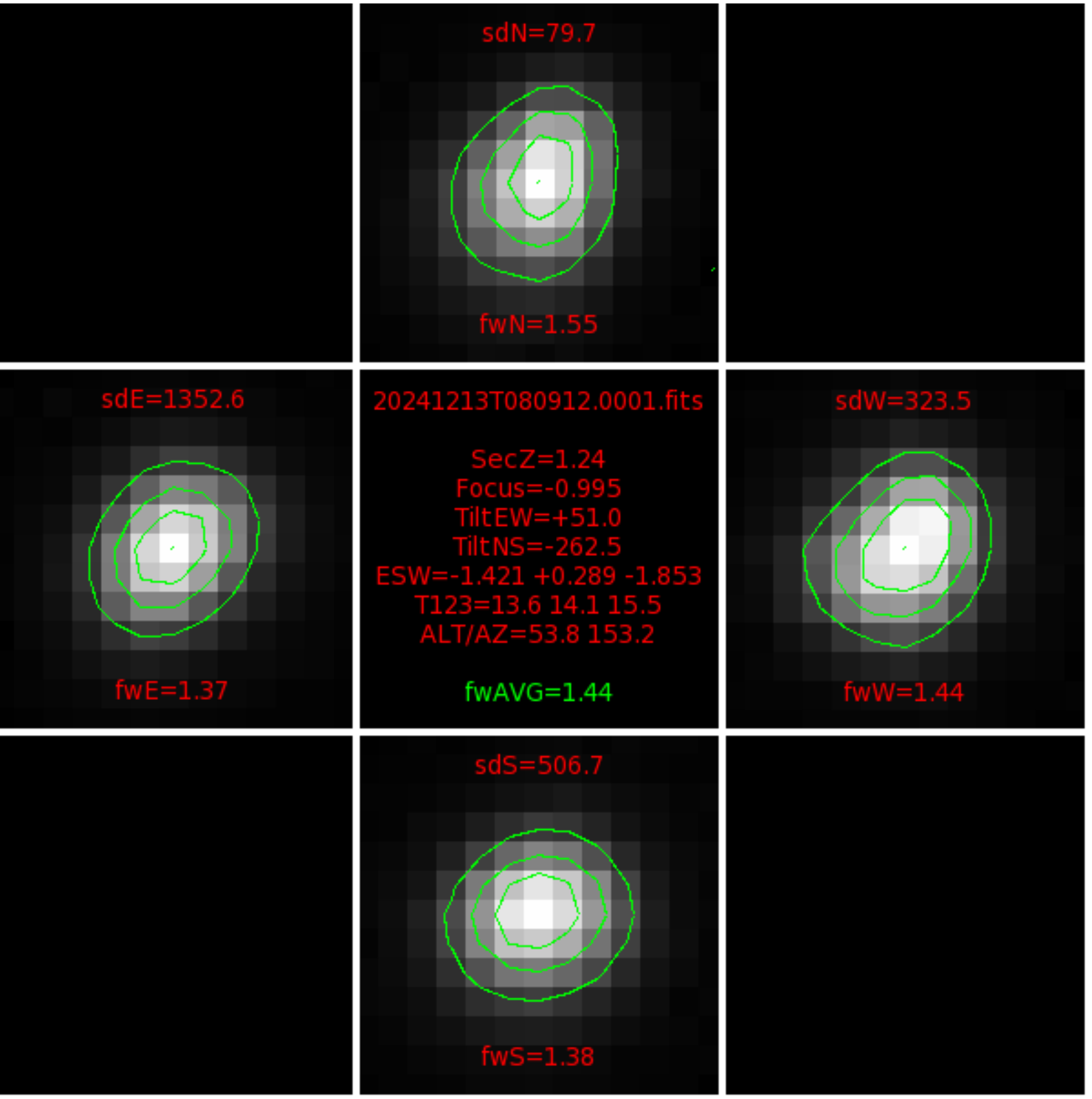
sdN=79.7
fwN=1.55
sdE=1352.6
fwE=1.37
20241213T080912.0001.fits
SecZ=1.24
Focus=-0.995
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.421 +0.289 -1.853
T123=13.6 14.1 15.5
ALT/AZ=53.8 153.2
fwAVG=1.44
sdW=323.5
fwW=1.44
sdS=506.7
fwS=1.38
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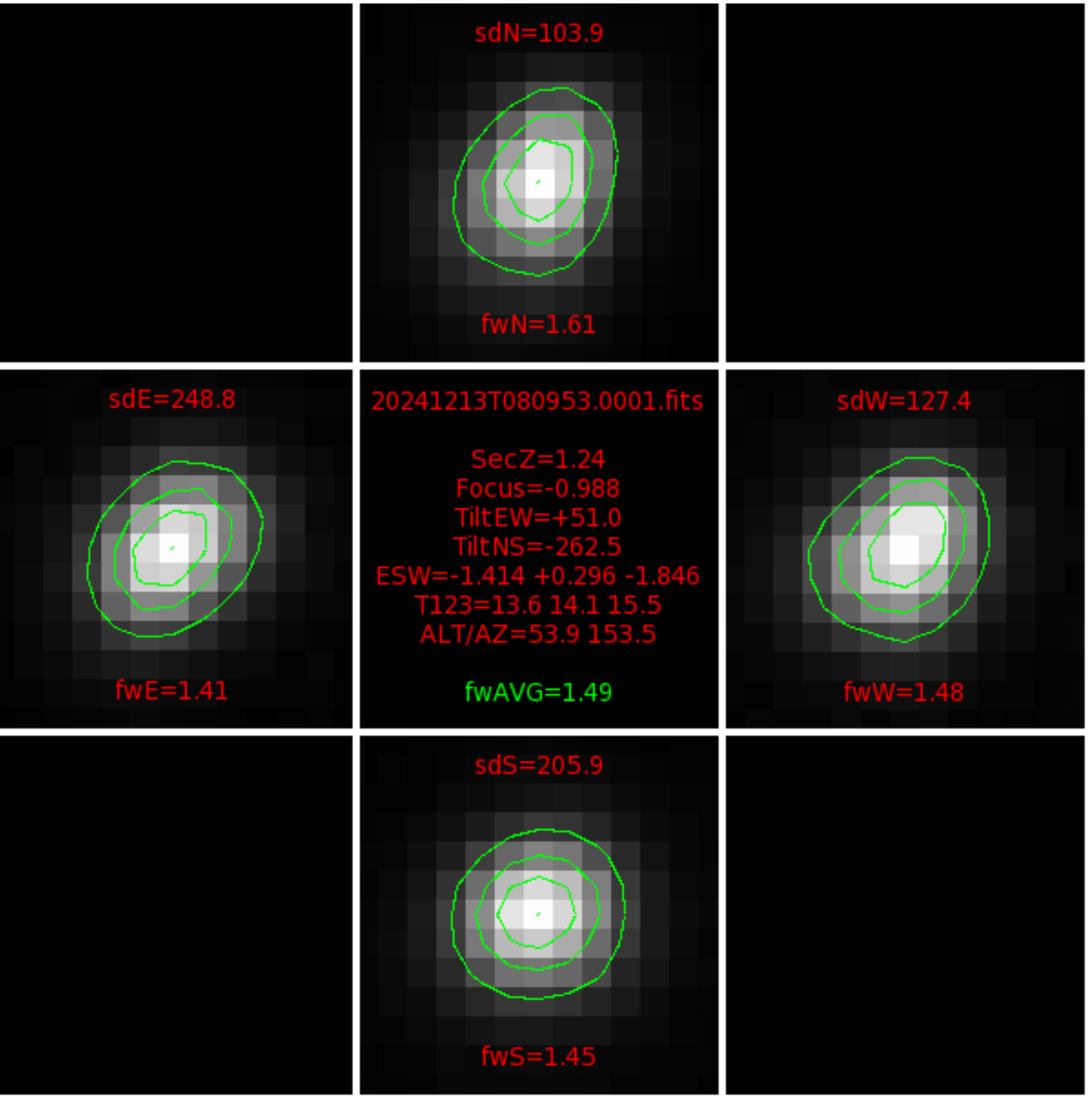
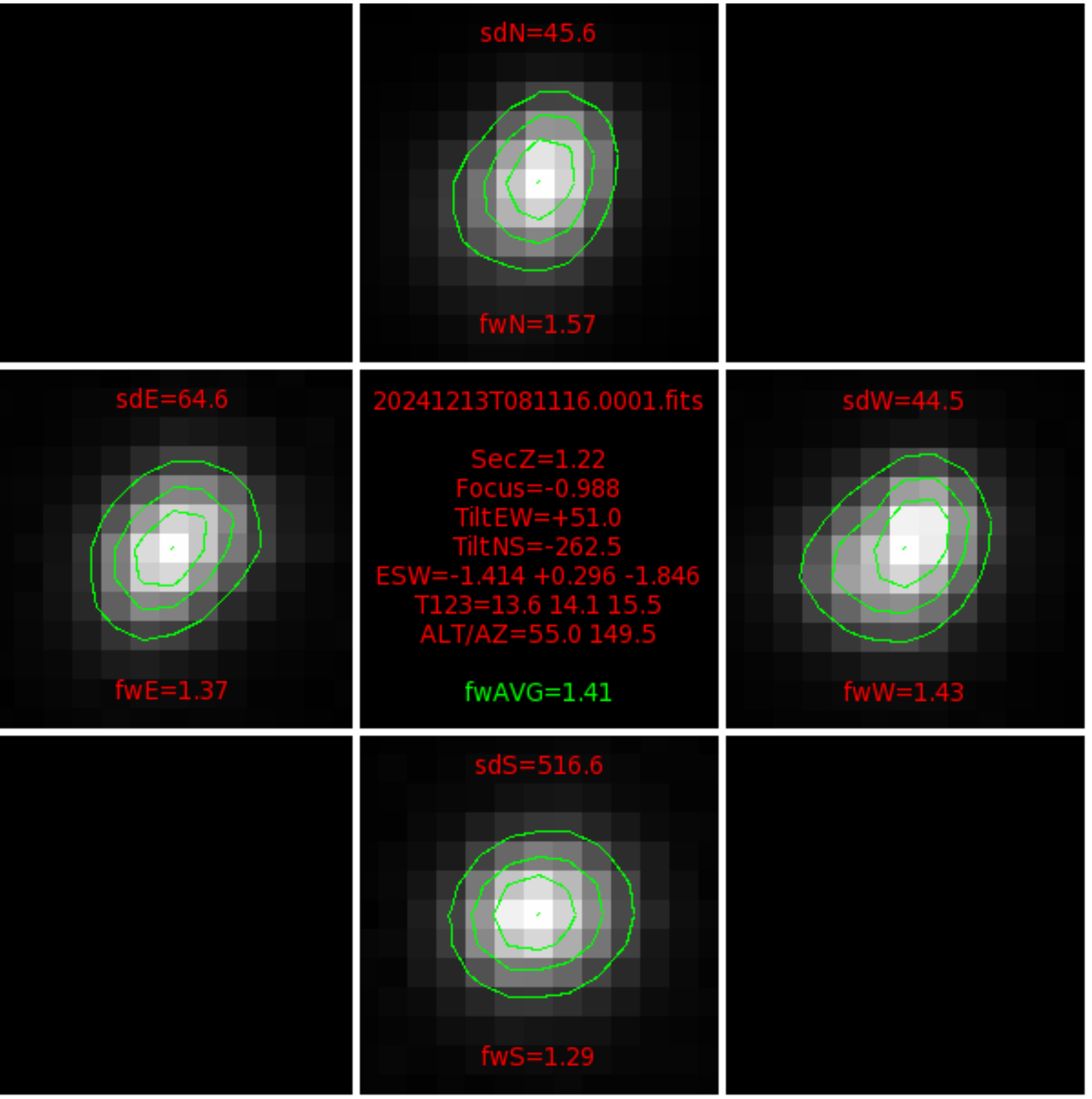

sdN=103.9
fwN=1.61
sdE=248.8
fwE=1.41
20241213T080953.0001.fits
SecZ=1.24
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.1 15.5
ALT/AZ=53.9 153.5
fwAVG=1.49
sdW=127.4
fwW=1.48
sdS=205.9
fwS=1.45
0 0 0 0 0 0 0 0 0


sdN=45.6
fwN=1.57
sdE=64.6
fwE=1.37
20241213T081116.0001.fits
SecZ=1.22
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.1 15.5
ALT/AZ=55.0 149.5
fwAVG=1.41
sdW=44.5
fwW=1.43
sdS=516.6
fwS=1.29
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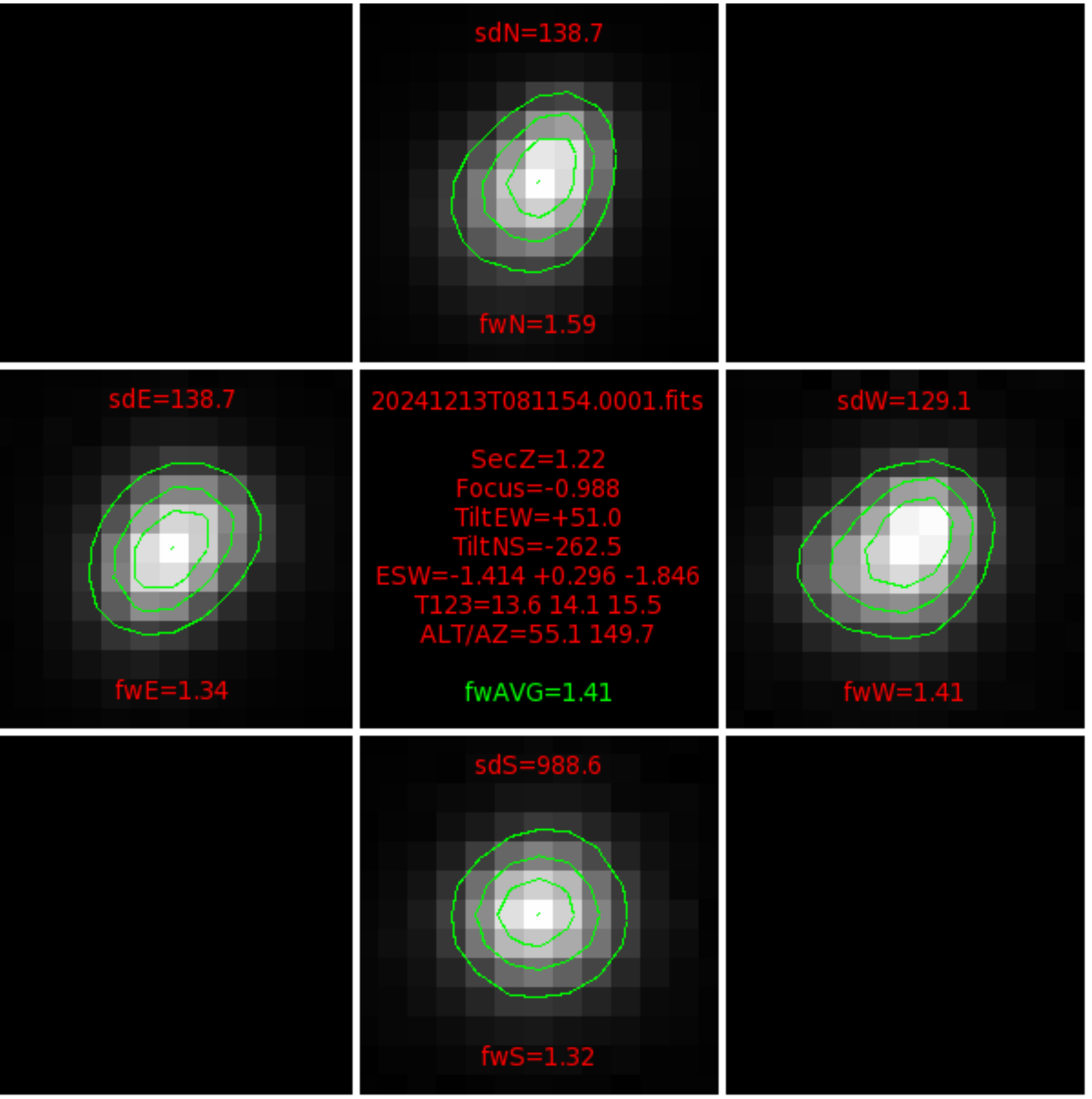
sdN=138.7
fwN=1.59
sdE=138.7
fwE=1.34
20241213T081154.0001.fits
SecZ=1.22
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.1 15.5
ALT/AZ=55.1 149.7
fwAVG=1.41
sdW=129.1
fwW=1.41
sdS=988.6
fwS=1.32
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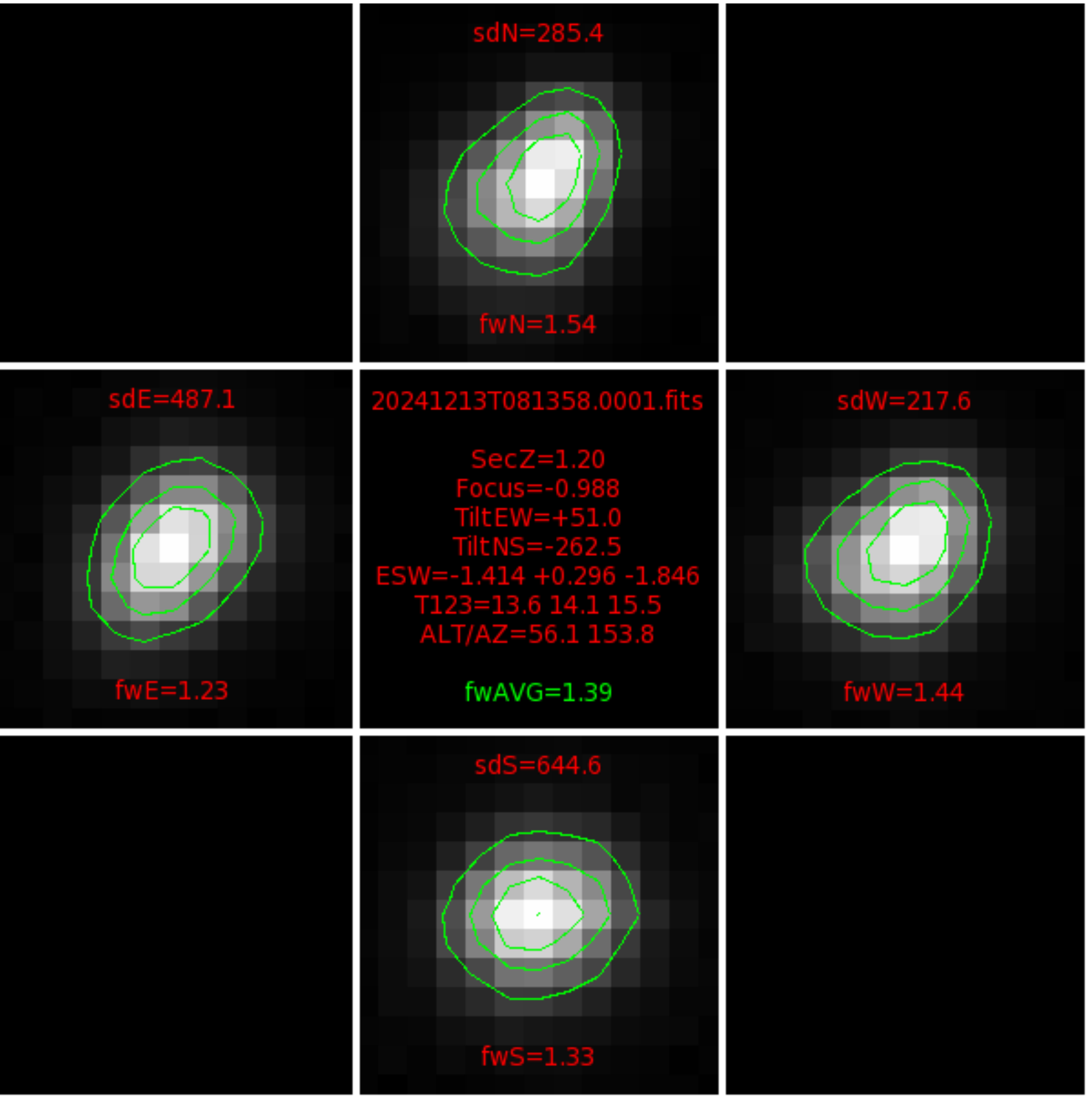
sdN=285.4
fwN=1.54
sdE=487.1
fwE=1.23
20241213T081358.0001.fits
SecZ=1.20
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.1 15.5
ALT/AZ=56.1 153.8
fwAVG=1.39
sdW=217.6
fwW=1.44
sdS=644.6
fwS=1.33
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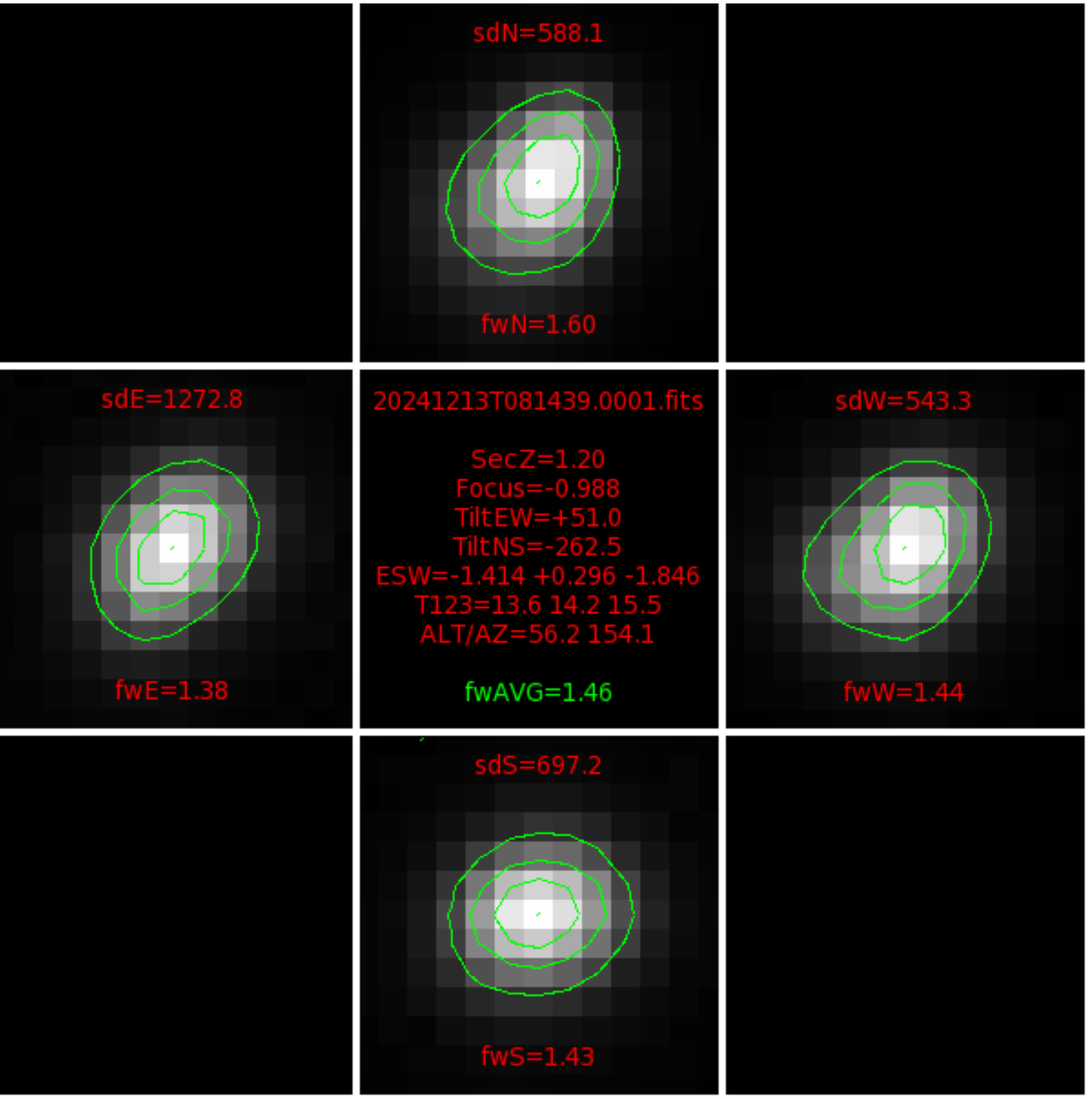
sdN=588.1
fwN=1.60
sdE=1272.8
fwE=1.38
20241213T081439.0001.fits
SecZ=1.20
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.2 15.5
ALT/AZ=56.2 154.1
fwAVG=1.46
sdW=543.3
fwW=1.44
sdS=697.2
fwS=1.43
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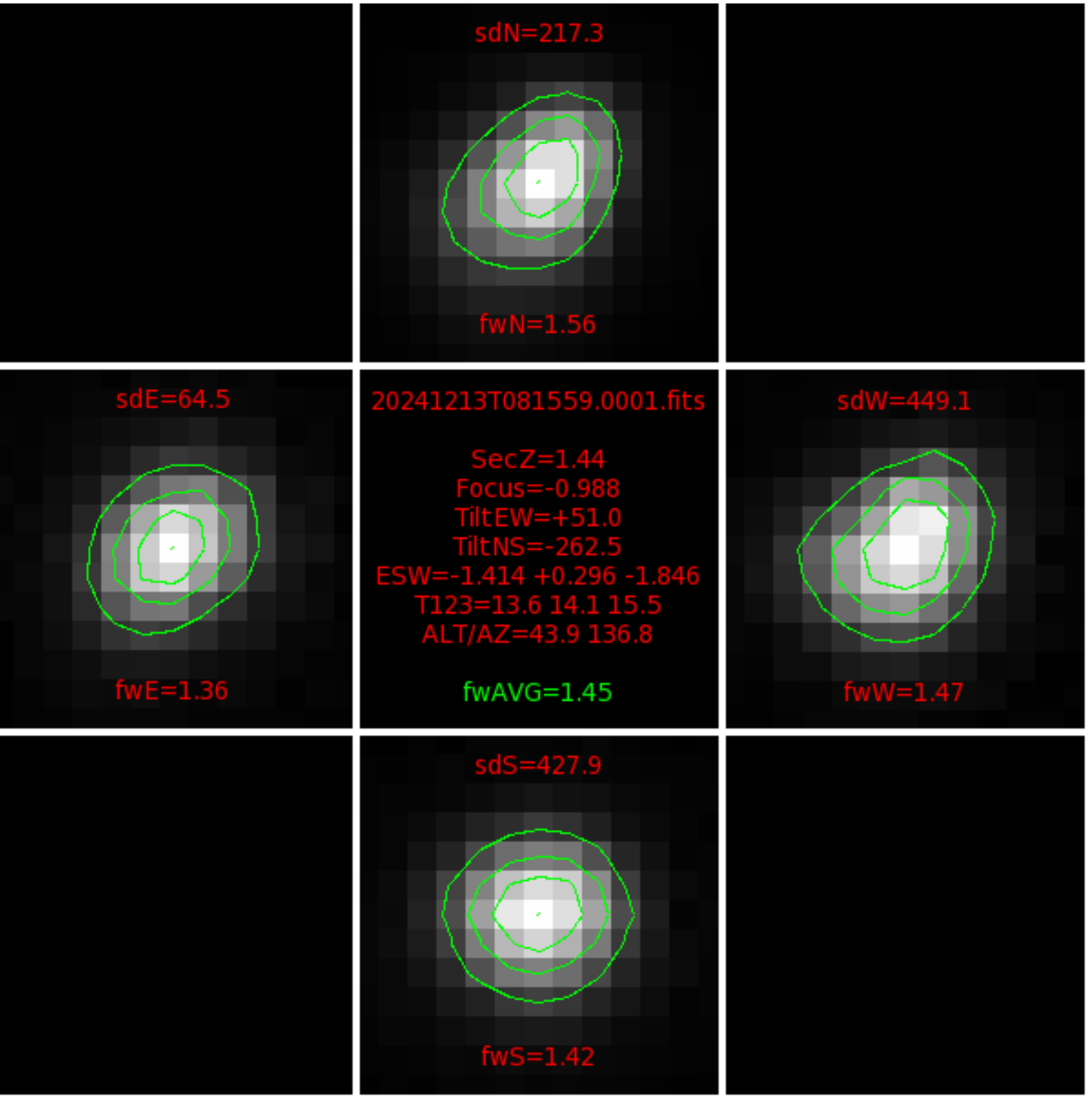
sdN=217.3
fwN=1.56
sdE=64.5
fwE=1.36
20241213T081559.0001.fits
SecZ=1.44
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.1 15.5
ALT/AZ=43.9 136.8
fwAVG=1.45
sdW=449.1
fwW=1.47
sdS=427.9
fwS=1.42
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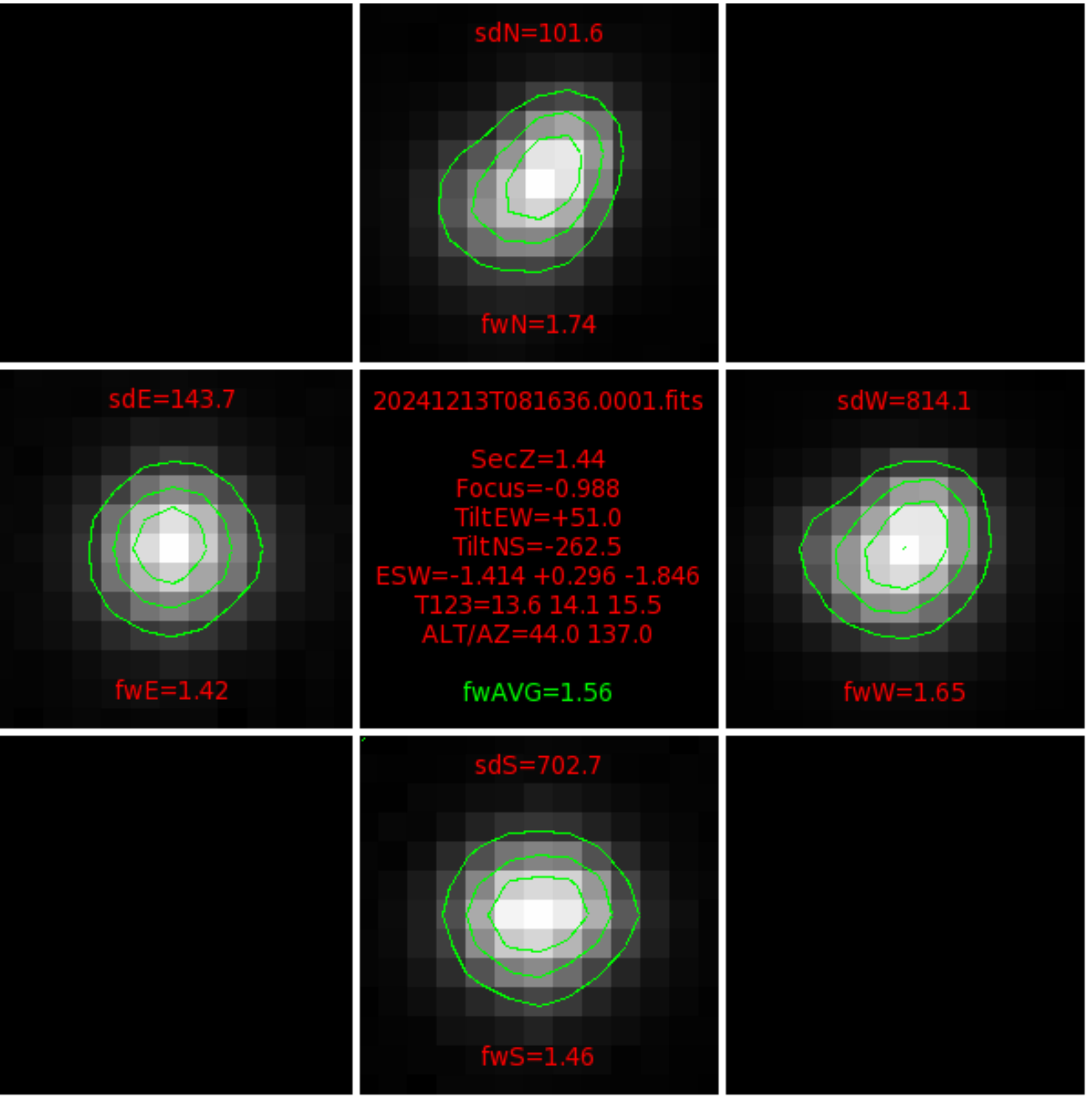
sdN=101.6
fwN=1.74
sdE=143.7
fwE=1.42
20241213T081636.0001.fits
SecZ=1.44
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.1 15.5
ALT/AZ=44.0 137.0
fwAVG=1.56
sdW=814.1
fwW=1.65
sdS=702.7
fwS=1.46
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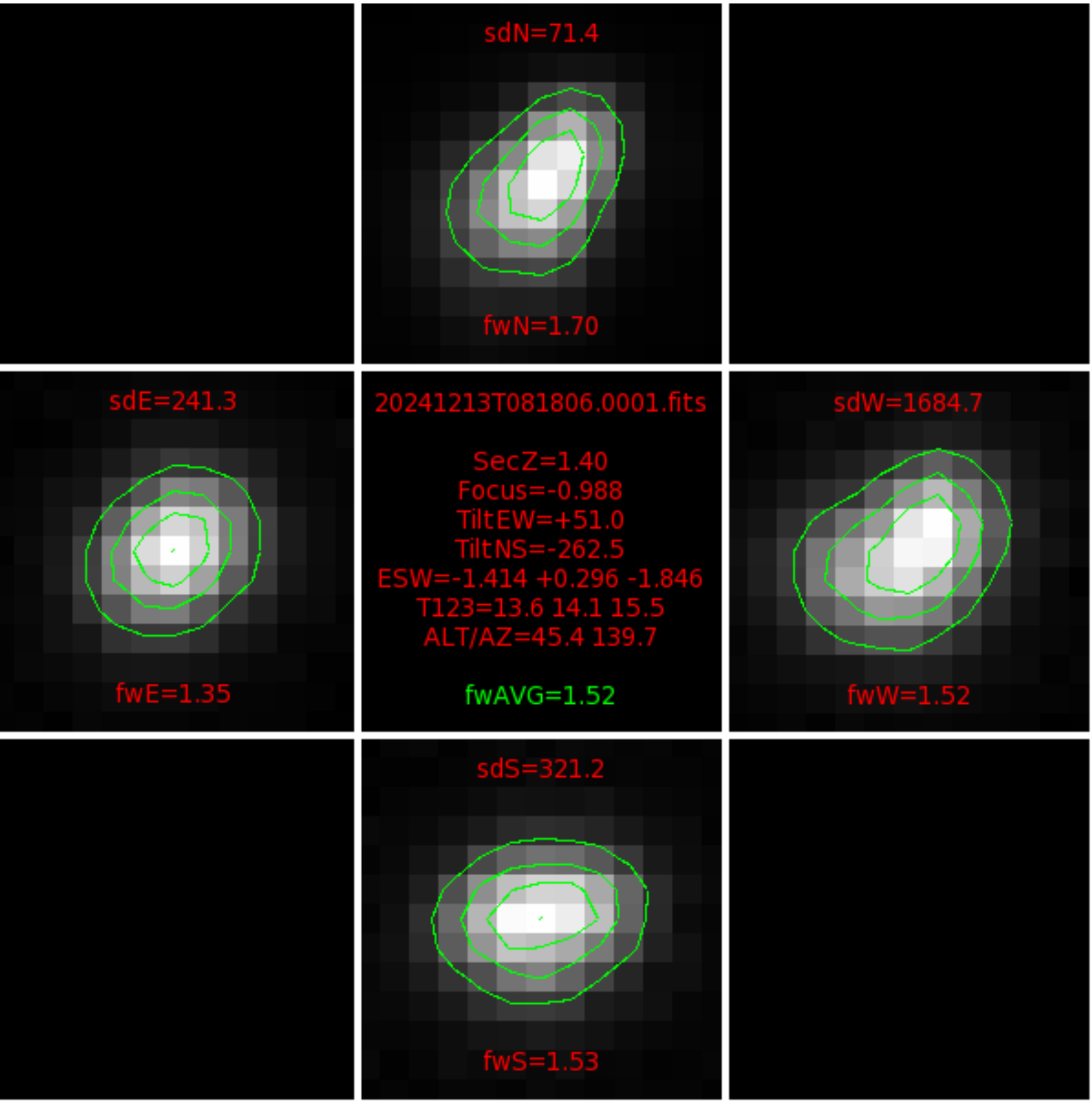
sdN=71.4
fwN=1.70
sdE=241.3
fwE=1.35
20241213T081806.0001.fits
SecZ=1.40
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.1 15.5
ALT/AZ=45.4 139.7
fwAVG=1.52
sdW=1684.7
fwW=1.52
sdS=321.2
fwS=1.53
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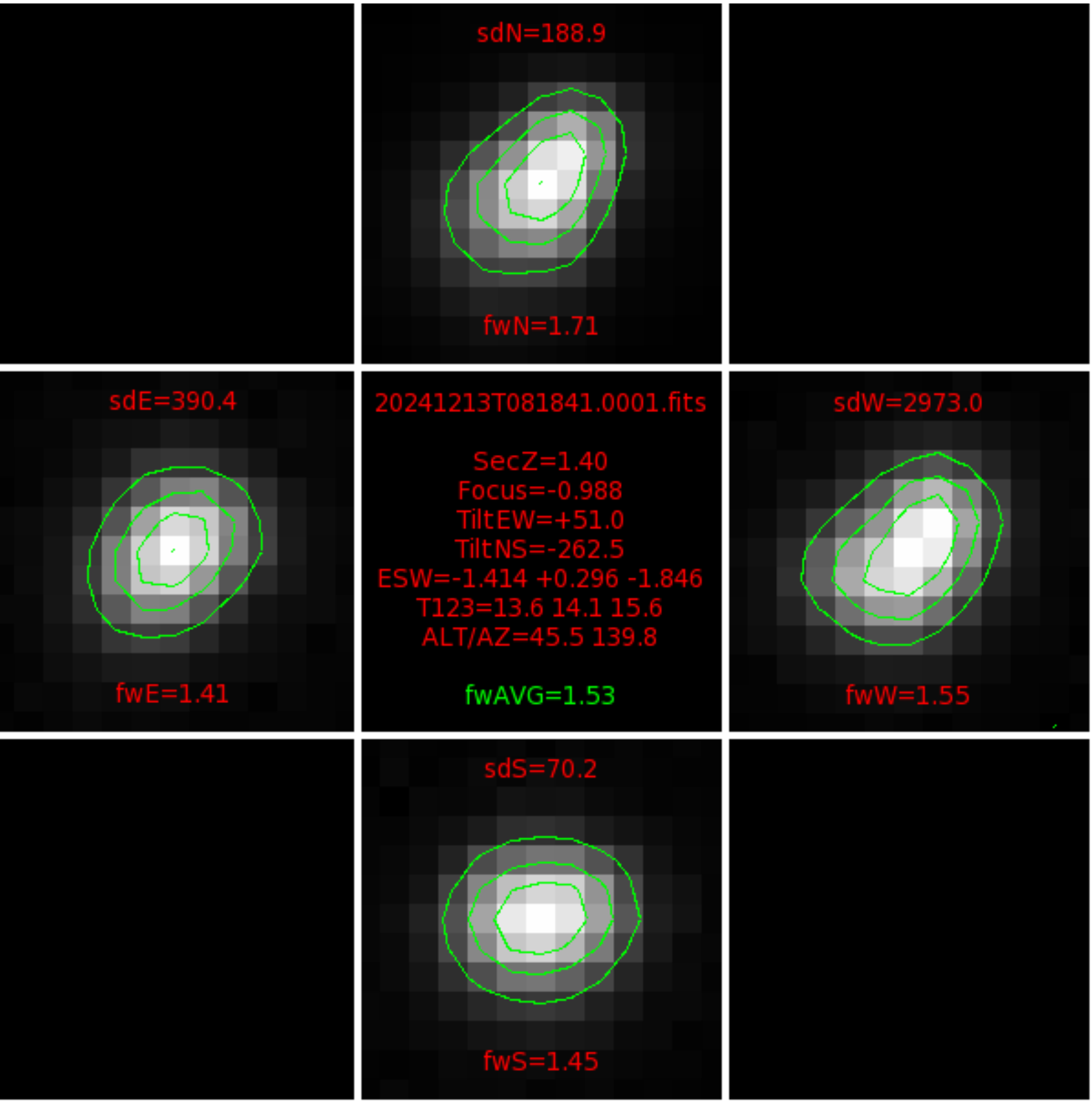
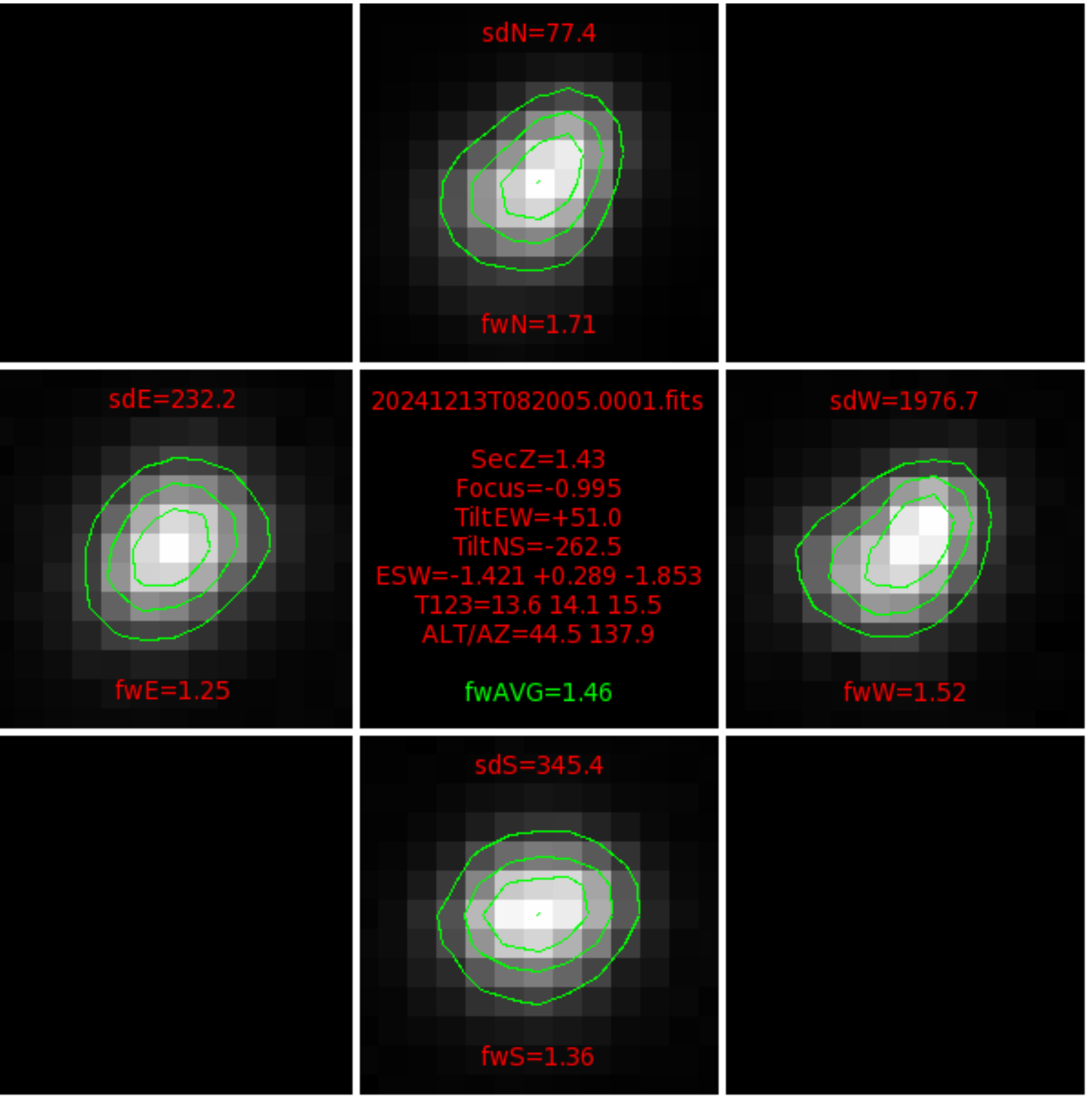

sdN=188.9
fwN=1.71
sdE=390.4
fwE=1.41
20241213T081841.0001.fits
SecZ=1.40
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.1 15.6
ALT/AZ=45.5 139.8
fwAVG=1.53
sdW=2973.0
fwW=1.55
sdS=70.2
fwS=1.45
0 0 0 0 0 0 0 0 0


sdN=77.4
fwN=1.71
sdE=232.2
fwE=1.25
20241213T082005.0001.fits
SecZ=1.43
Focus=-0.995
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.421 +0.289 -1.853
T123=13.6 14.1 15.5
ALT/AZ=44.5 137.9
fwAVG=1.46
sdW=1976.7
fwW=1.52
sdS=345.4
fwS=1.36
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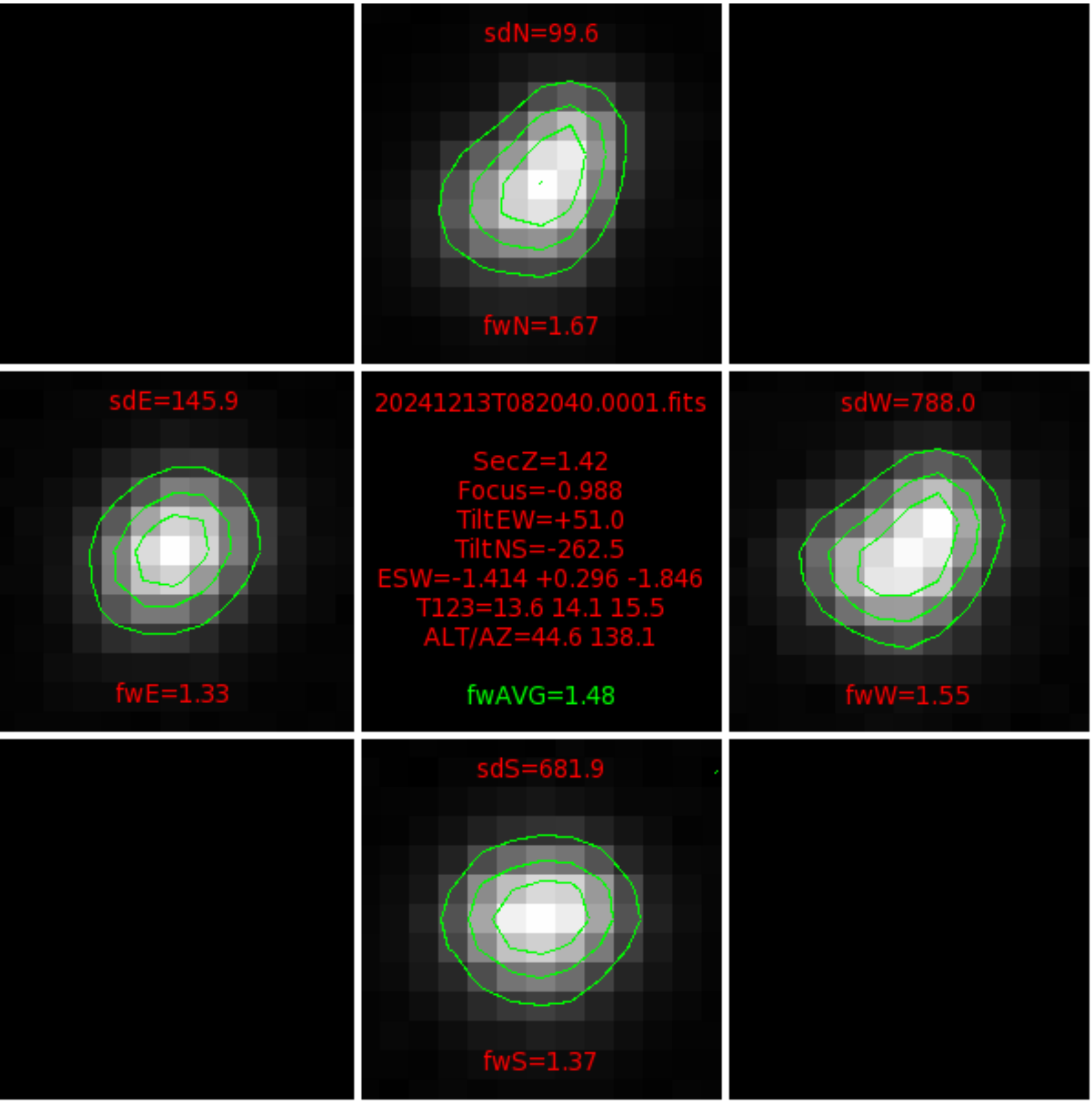
sdN=99.6
fwN=1.67
sdE=145.9
fwE=1.33
20241213T082040.0001.fits
SecZ=1.42
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.1 15.5
ALT/AZ=44.6 138.1
fwAVG=1.48
sdW=788.0
fwW=1.55
sdS=681.9
fwS=1.37
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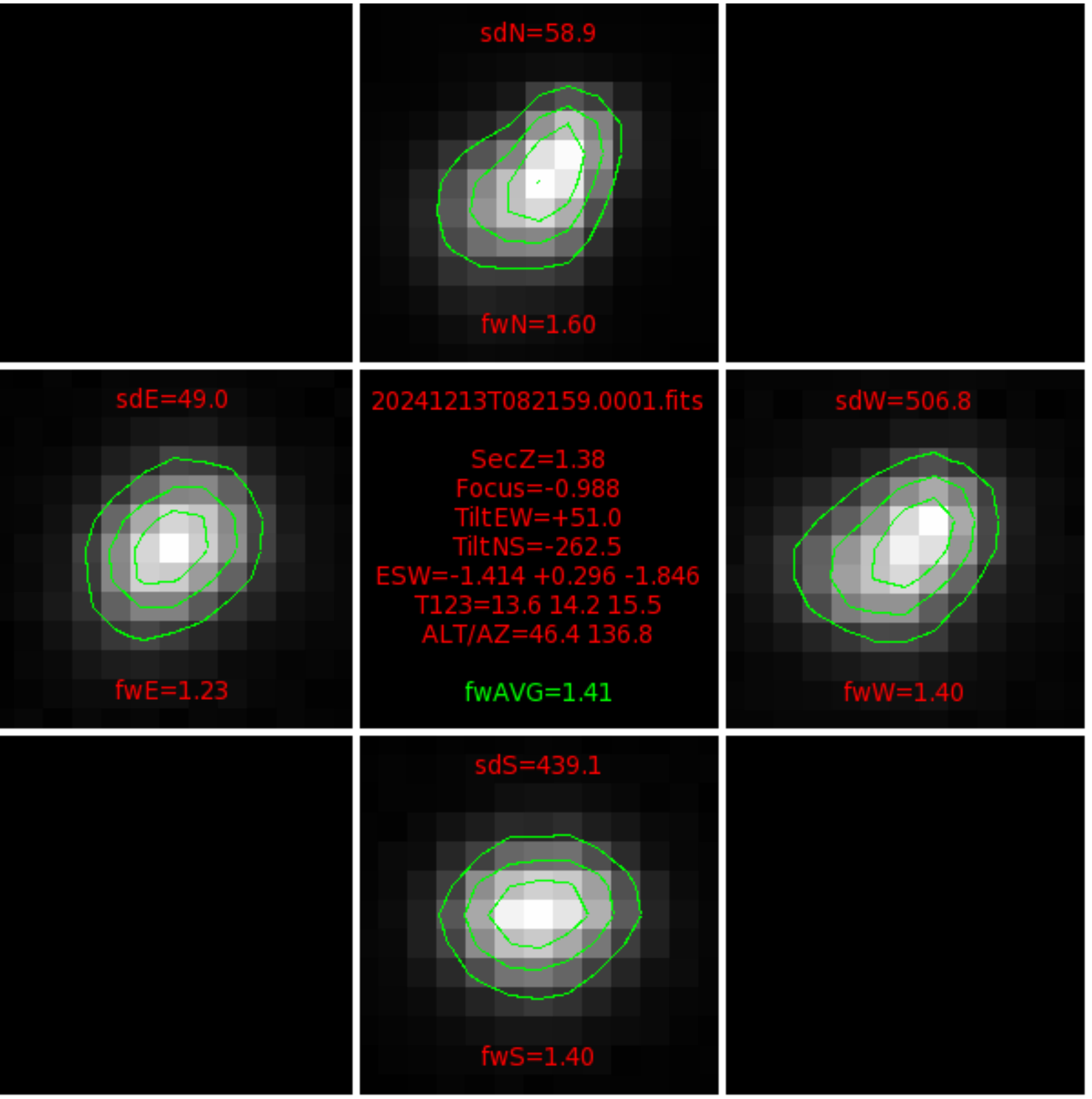
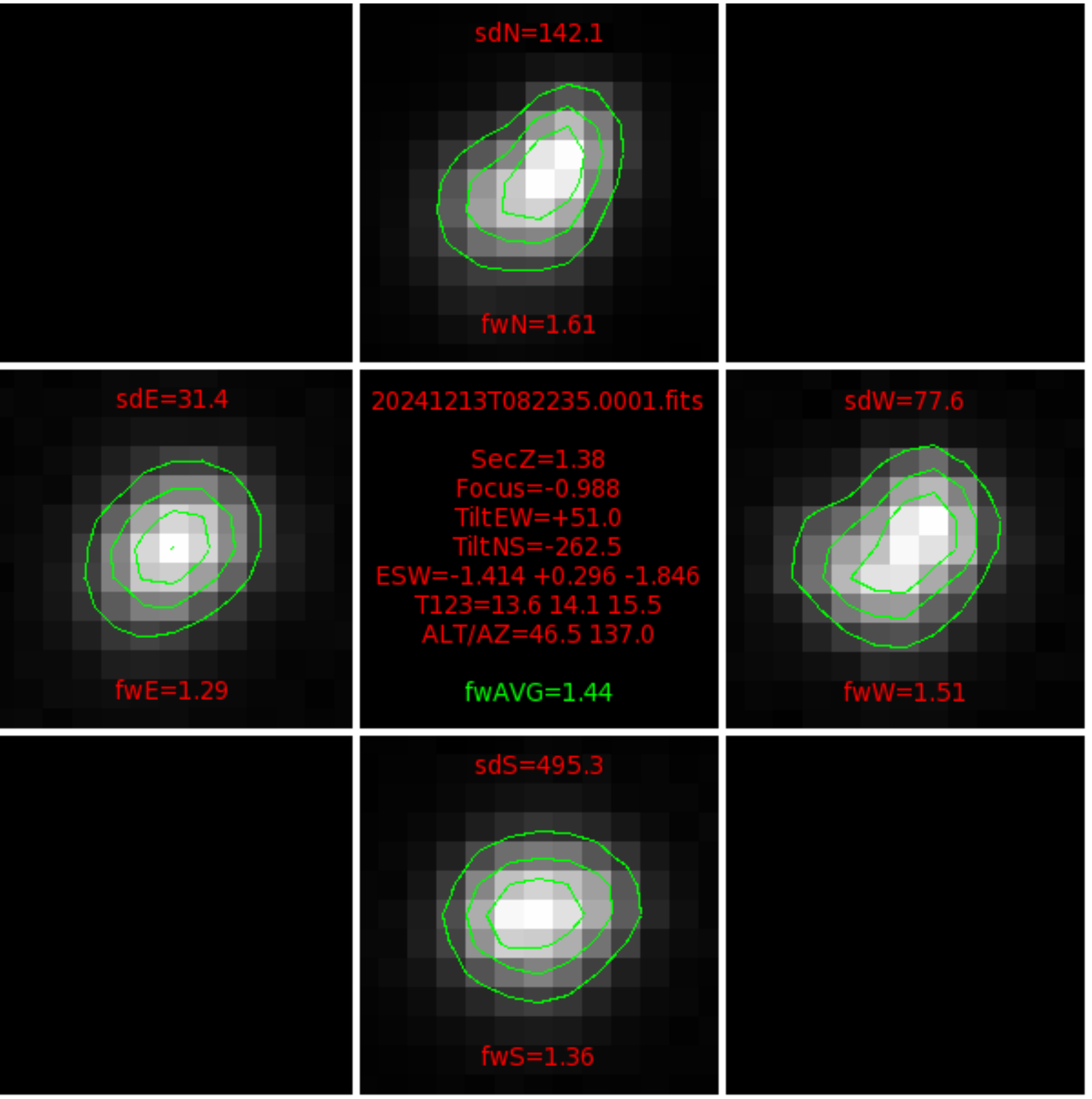

sdN=58.9
fwN=1.60
sdE=49.0
fwE=1.23
20241213T082159.0001.fits
SecZ=1.38
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.2 15.5
ALT/AZ=46.4 136.8
fwAVG=1.41
sdW=506.8
fwW=1.40
sdS=439.1
fwS=1.40
0 0 0 0 0 0 0 0 0


sdN=142.1
fwN=1.61
sdE=31.4
fwE=1.29
20241213T082235.0001.fits
SecZ=1.38
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.1 15.5
ALT/AZ=46.5 137.0
fwAVG=1.44
sdW=77.6
fwW=1.51
sdS=495.3
fwS=1.36
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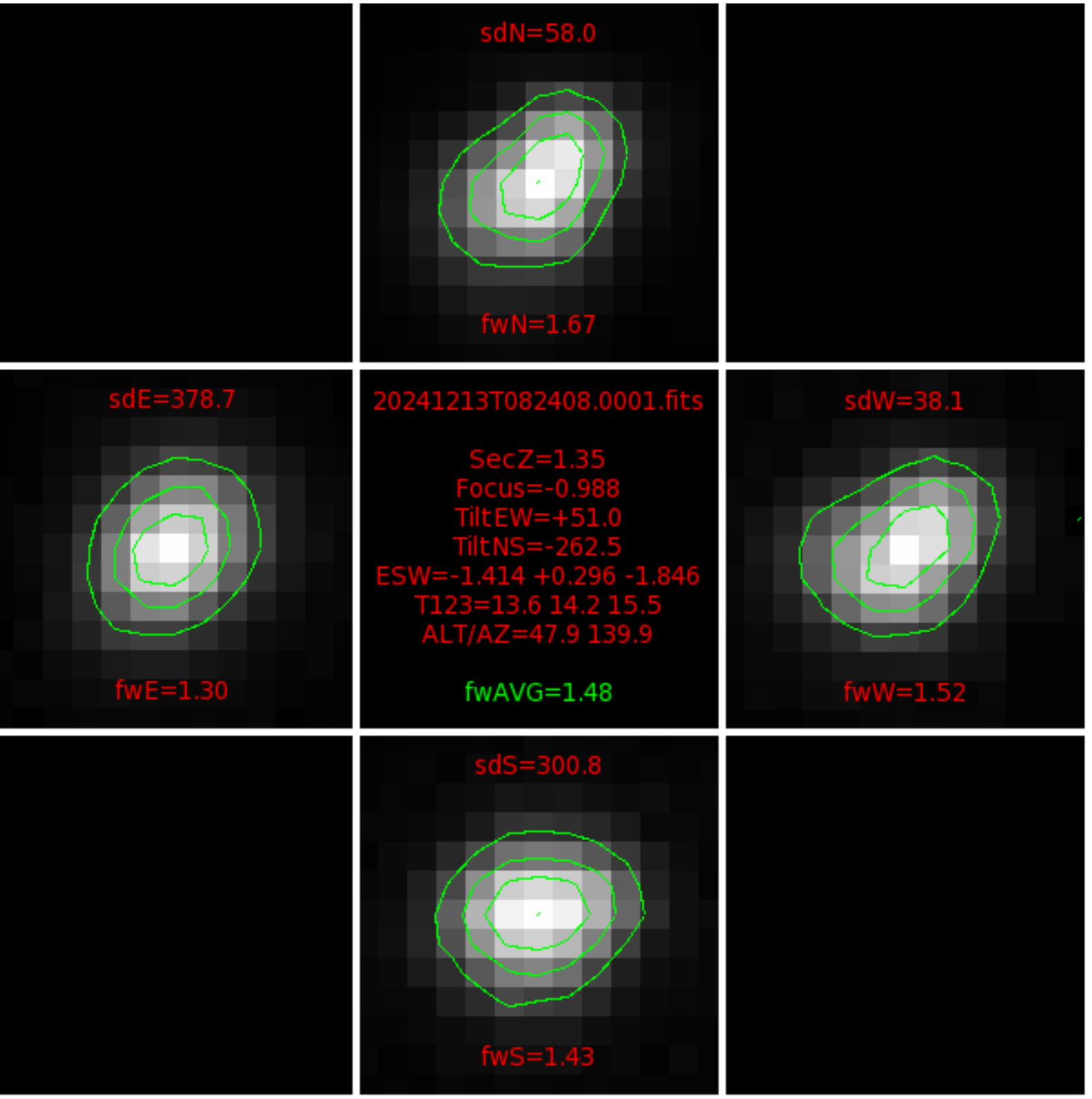
sdN=58.0
fwN=1.67
sdE=378.7
fwE=1.30
20241213T082408.0001.fits
SecZ=1.35
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.2 15.5
ALT/AZ=47.9 139.9
fwAVG=1.48
sdW=38.1
fwW=1.52
sdS=300.8
fwS=1.43
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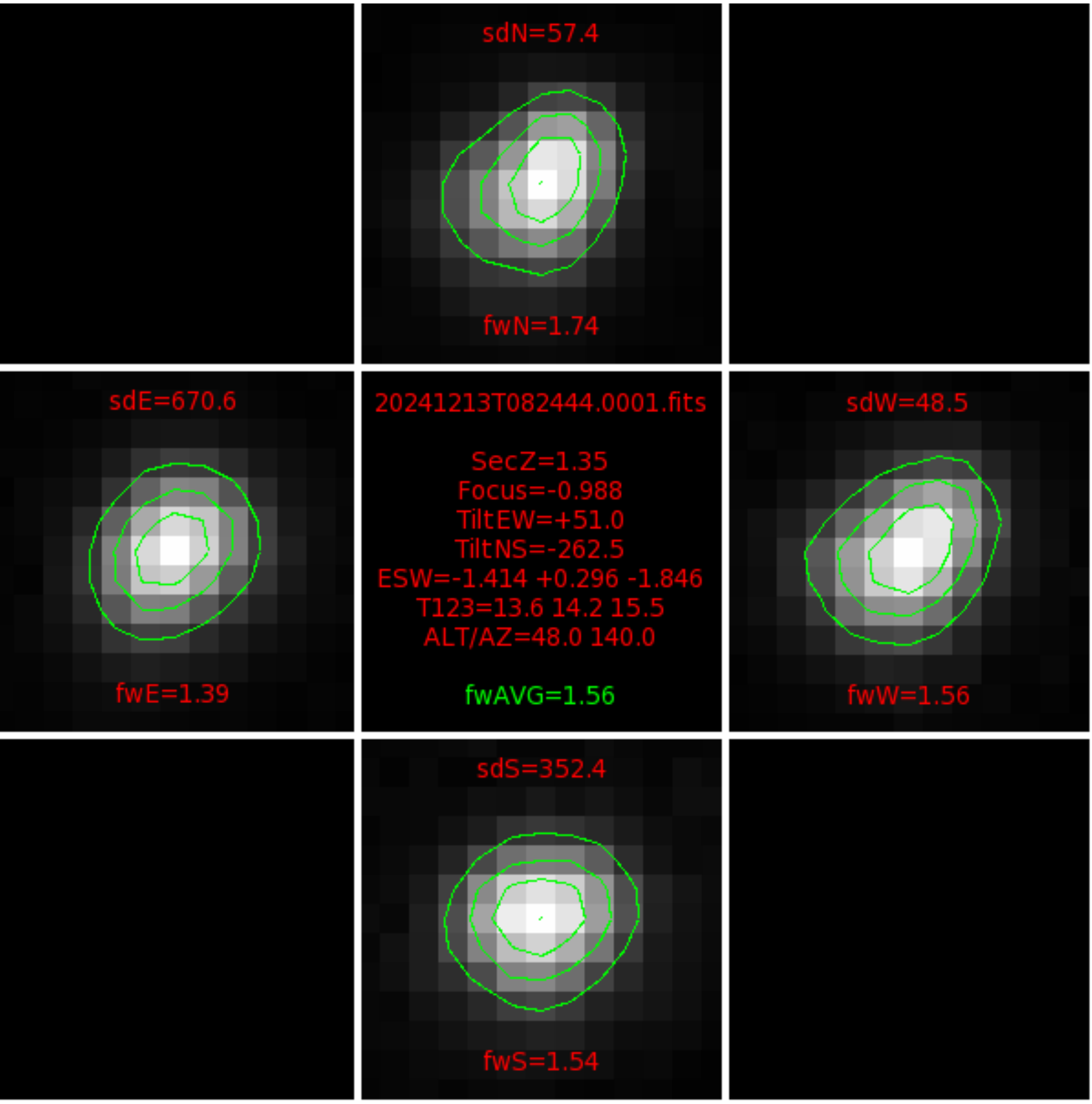
sdN=57.4
fwN=1.74
sdE=670.6
fwE=1.39
20241213T082444.0001.fits
SecZ=1.35
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.2 15.5
ALT/AZ=48.0 140.0
fwAVG=1.56
sdW=48.5
fwW=1.56
sdS=352.4
fwS=1.54
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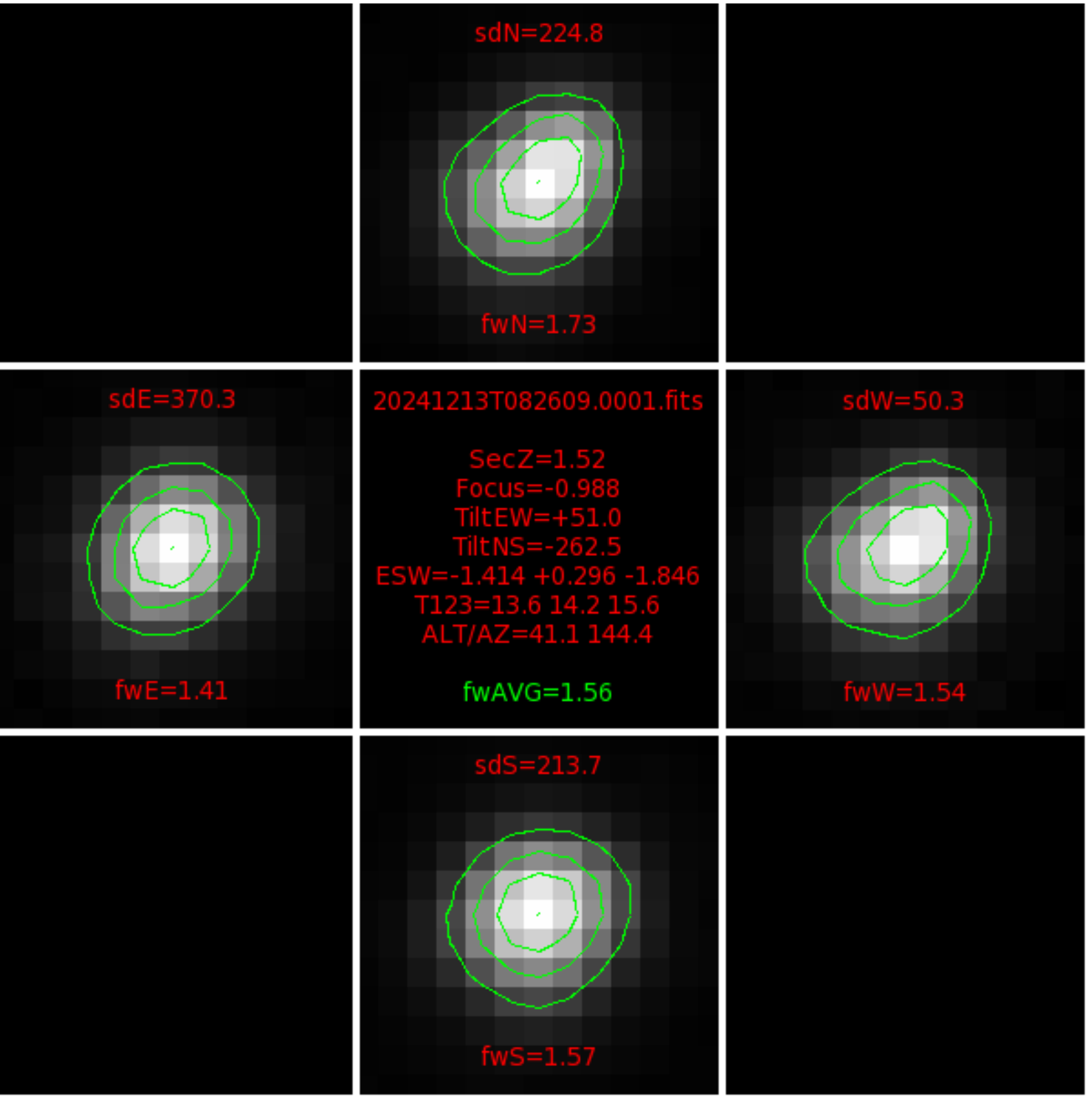
sdN=224.8
fwN=1.73
sdE=370.3
fwE=1.41
20241213T082609.0001.fits
SecZ=1.52
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.2 15.6
ALT/AZ=41.1 144.4
fwAVG=1.56
sdW=50.3
fwW=1.54
sdS=213.7
fwS=1.57
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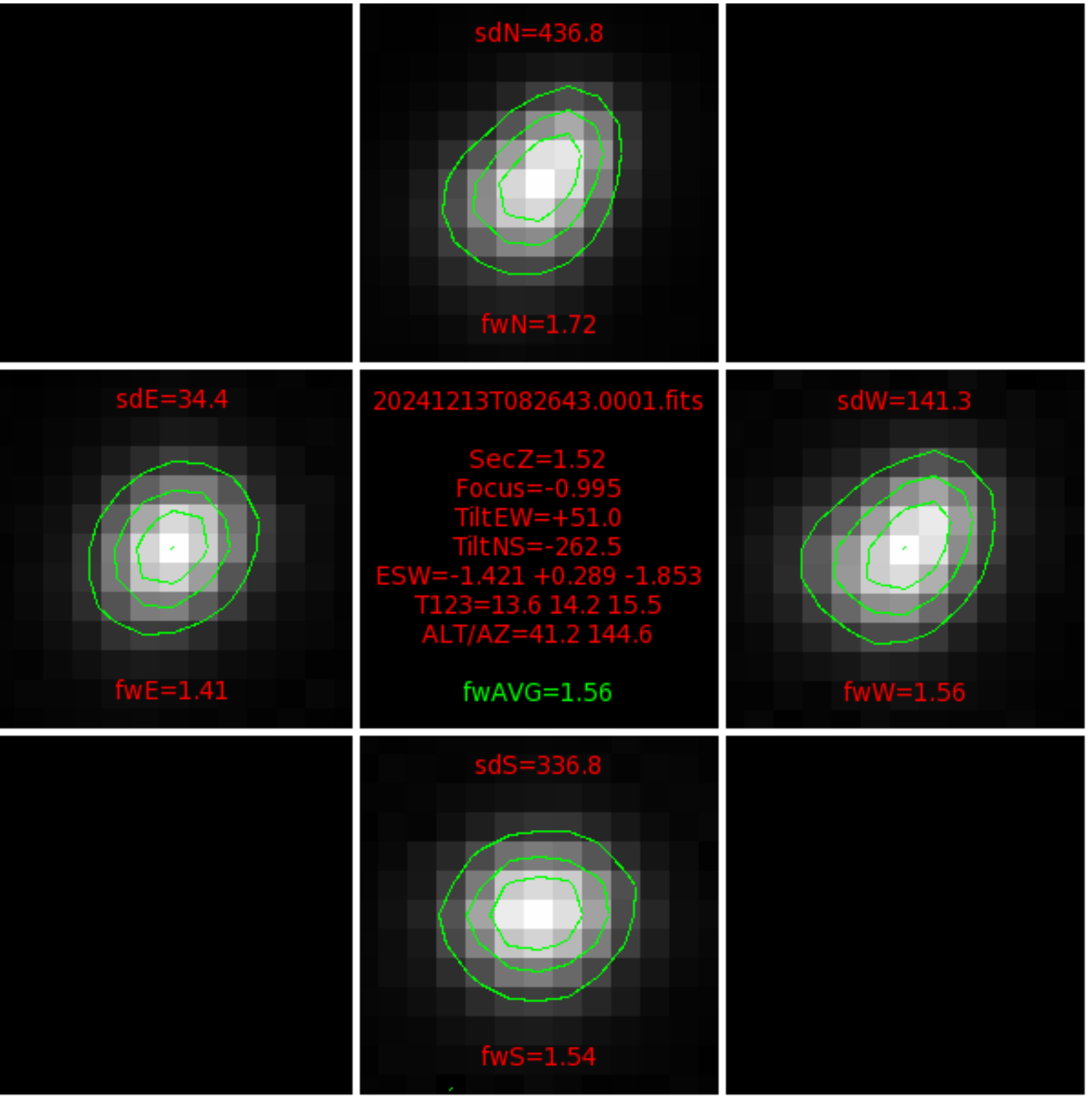
sdN=436.8
fwN=1.72
sdE=34.4
fwE=1.41
20241213T082643.0001.fits
SecZ=1.52
Focus=-0.995
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.421 +0.289 -1.853
T123=13.6 14.2 15.5
ALT/AZ=41.2 144.6
fwAVG=1.56
sdW=141.3
fwW=1.56
sdS=336.8
fwS=1.54
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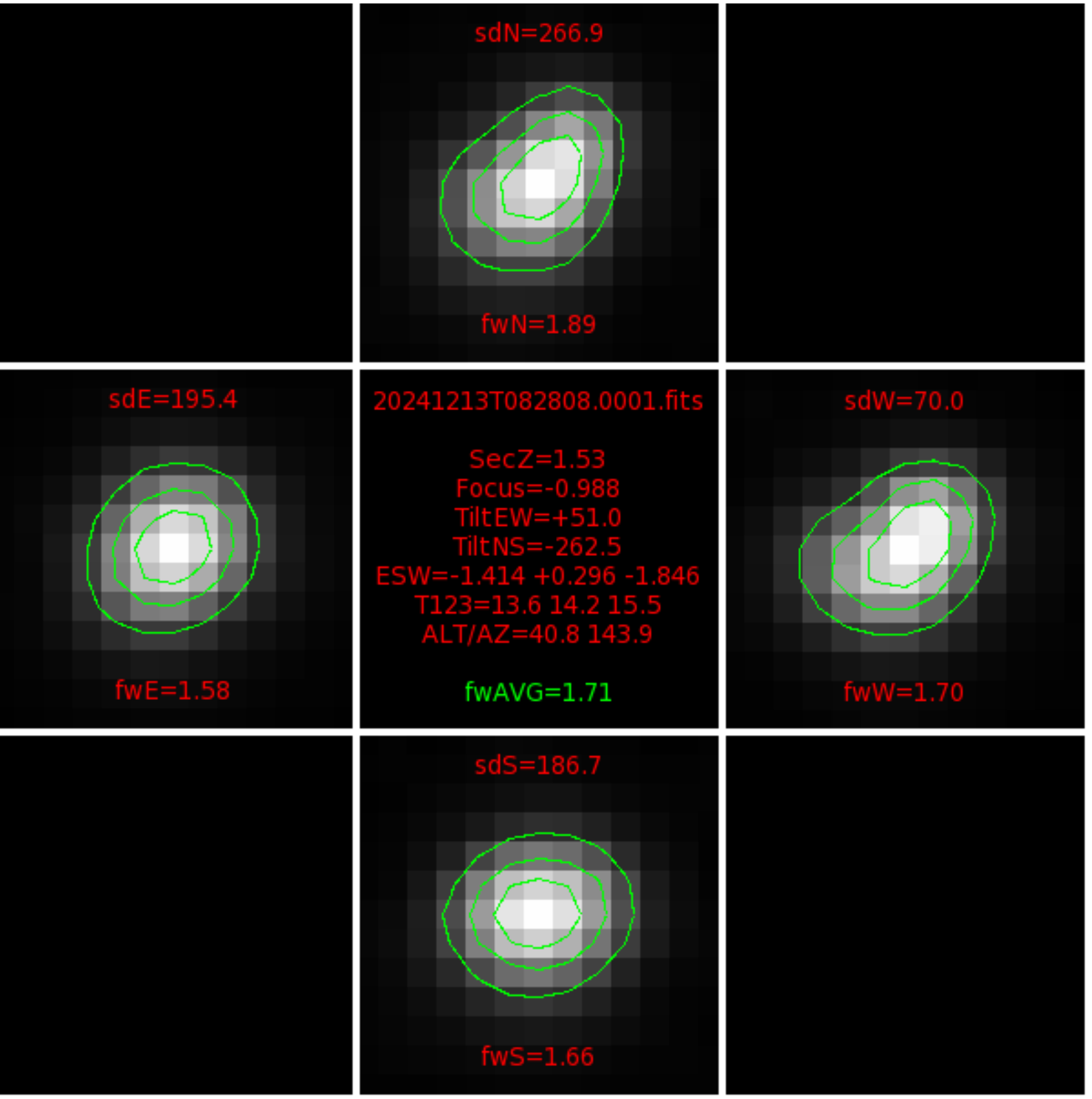
sdN=266.9
fwN=1.89
sdE=195.4
fwE=1.58
20241213T082808.0001.fits
SecZ=1.53
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.2 15.5
ALT/AZ=40.8 143.9
fwAVG=1.71
sdW=70.0
fwW=1.70
sdS=186.7
fwS=1.66
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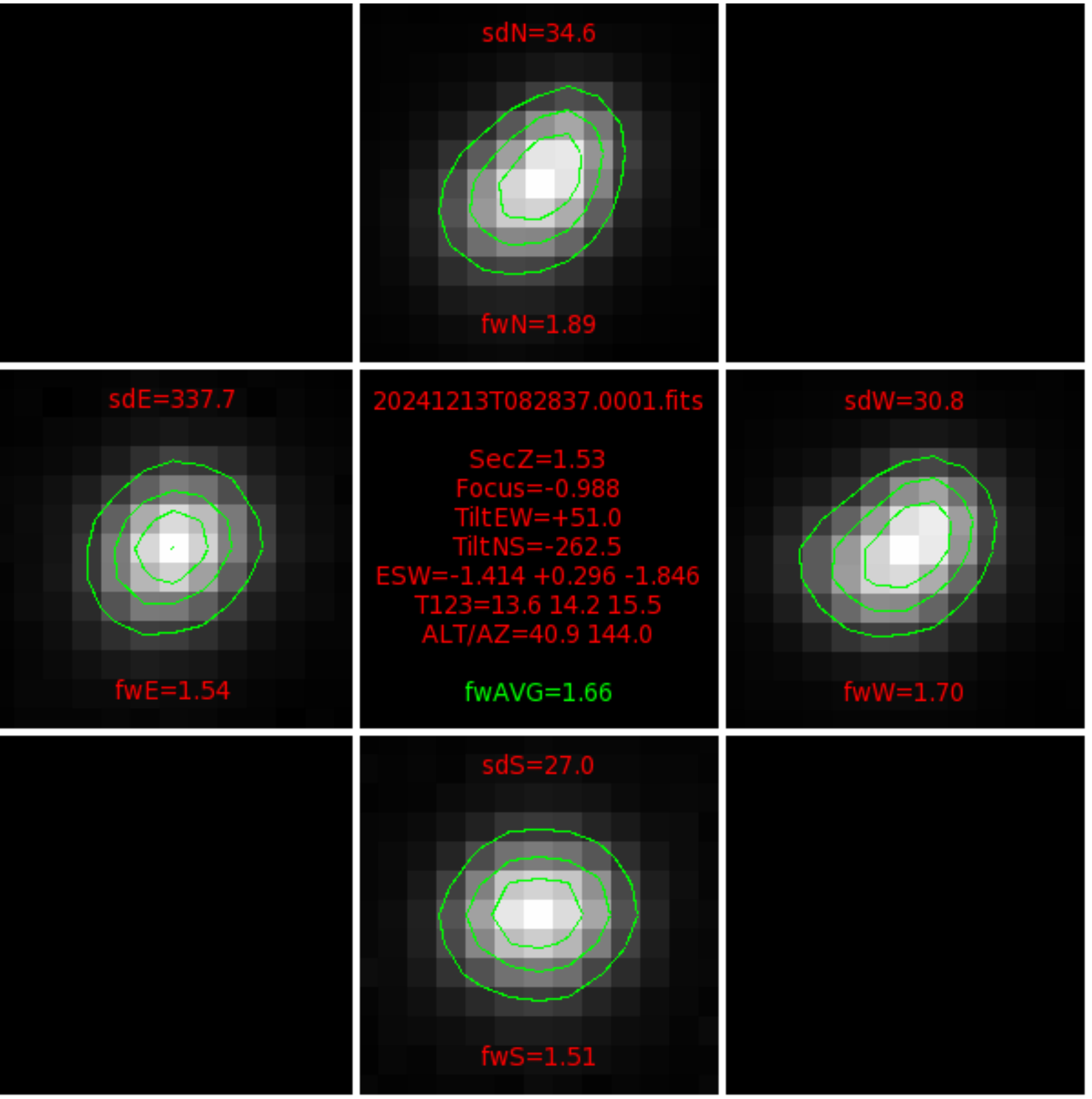
sdN=34.6
fwN=1.89
sdE=337.7
fwE=1.54
20241213T082837.0001.fits
SecZ=1.53
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.2 15.5
ALT/AZ=40.9 144.0
fwAVG=1.66
sdW=30.8
fwW=1.70
sdS=27.0
fwS=1.51
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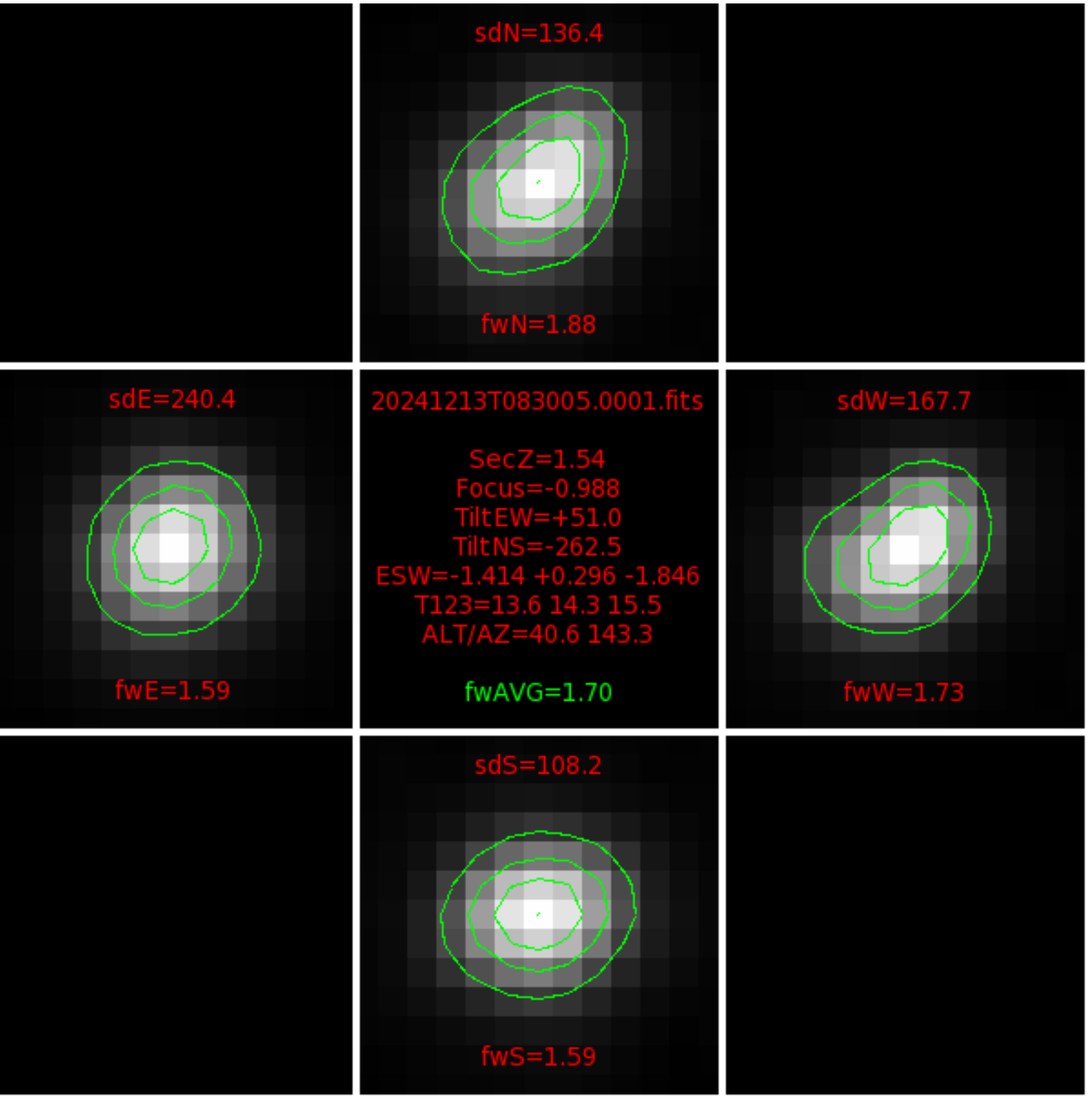
sdN=136.4
fwN=1.88
sdE=240.4
fwE=1.59
20241213T083005.0001.fits
SecZ=1.54
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.3 15.5
ALT/AZ=40.6 143.3
fwAVG=1.70
sdW=167.7
fwW=1.73
sdS=108.2
fwS=1.59
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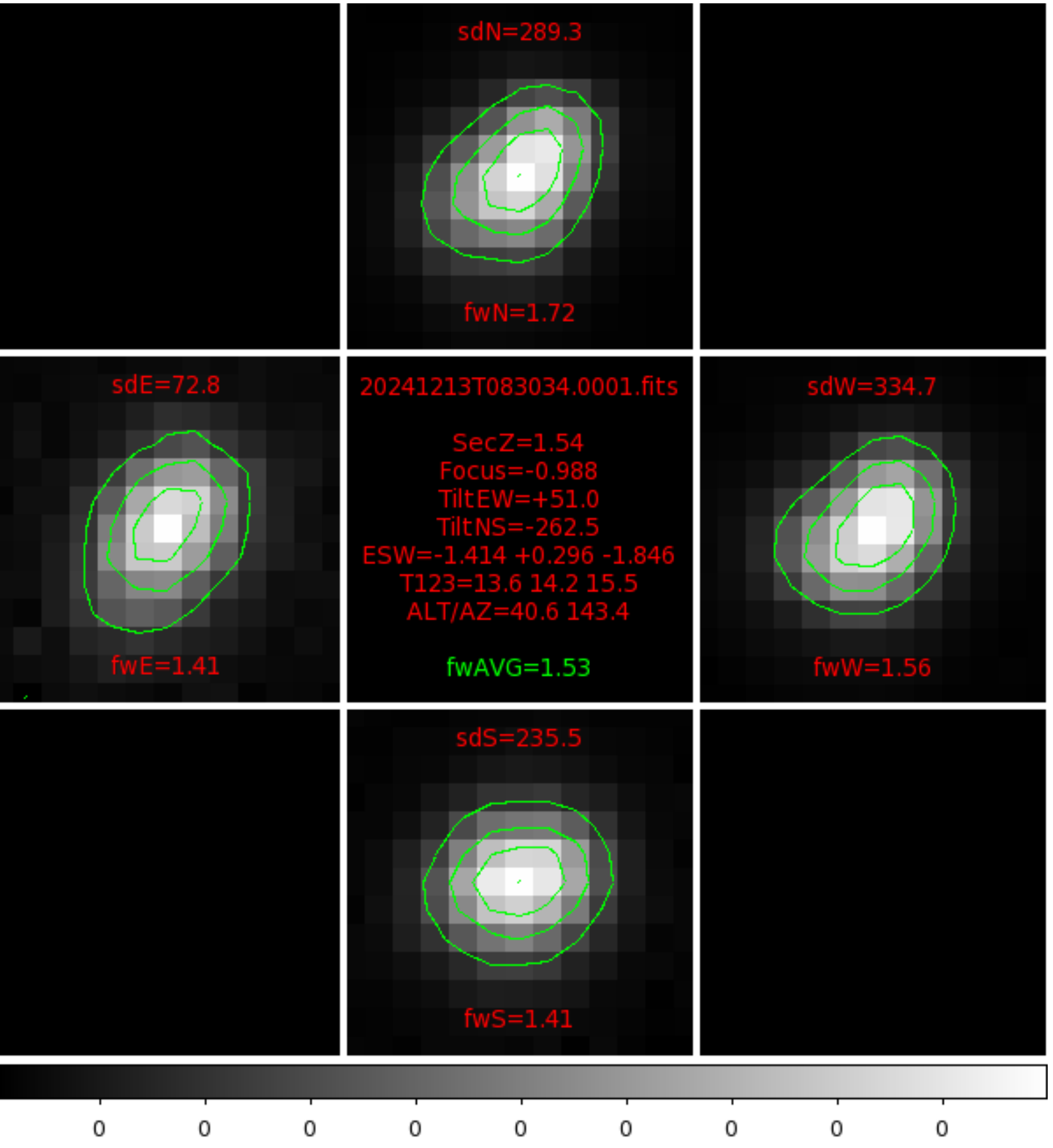
sdN=289.3
fwN=1.72
sdE=72.8
fwE=1.41
20241213T083034.0001.fits
SecZ=1.54
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.6 14.2 15.5
ALT/AZ=40.6 143.4
fwAVG=1.53
sdW=334.7
fwW=1.56
sdS=235.5
fwS=1.41
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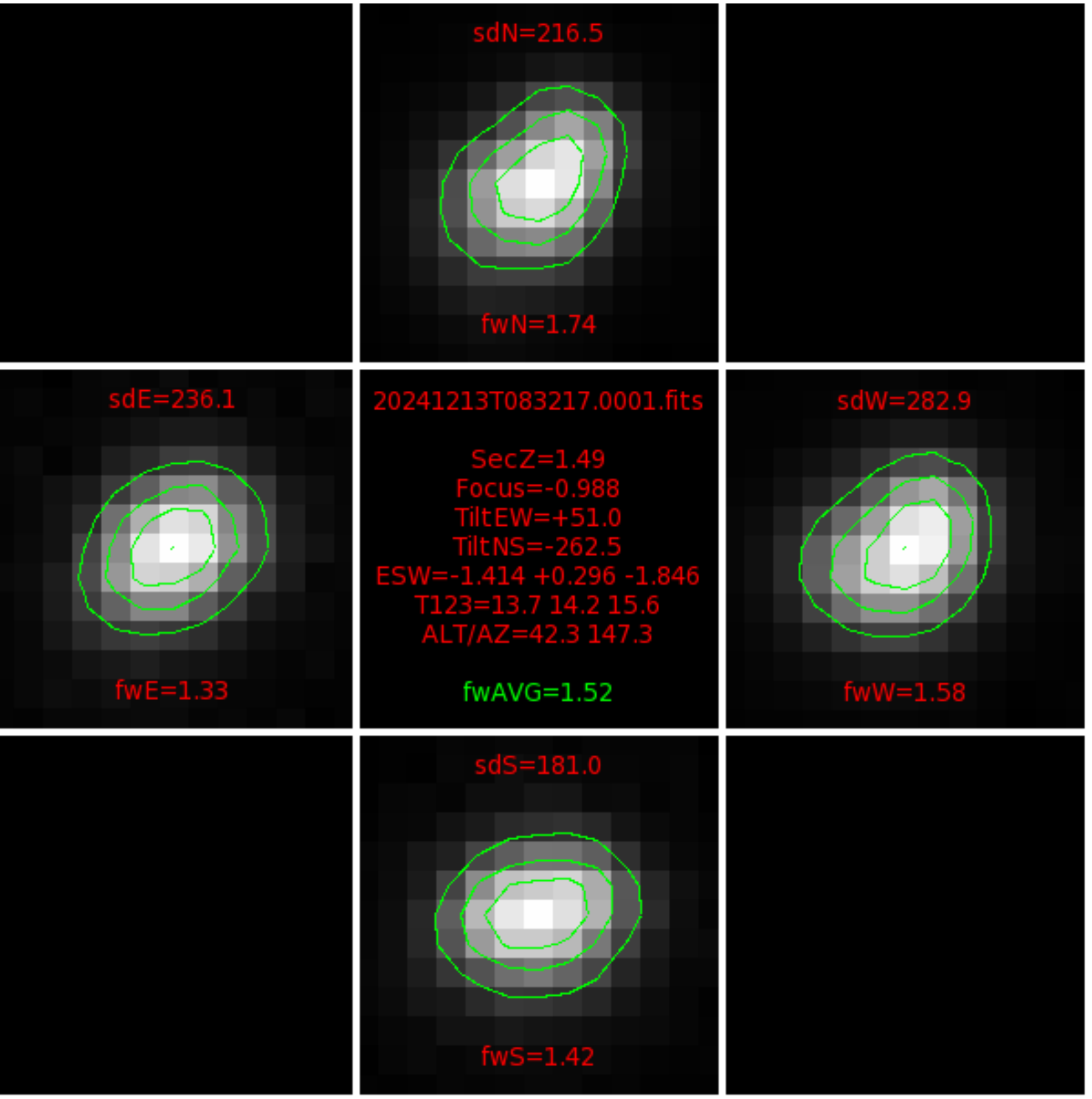
sdN=216.5
fwN=1.74
sdE=236.1
fwE=1.33
20241213T083217.0001.fits
SecZ=1.49
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.7 14.2 15.6
ALT/AZ=42.3 147.3
fwAVG=1.52
sdW=282.9
fwW=1.58
sdS=181.0
fwS=1.42
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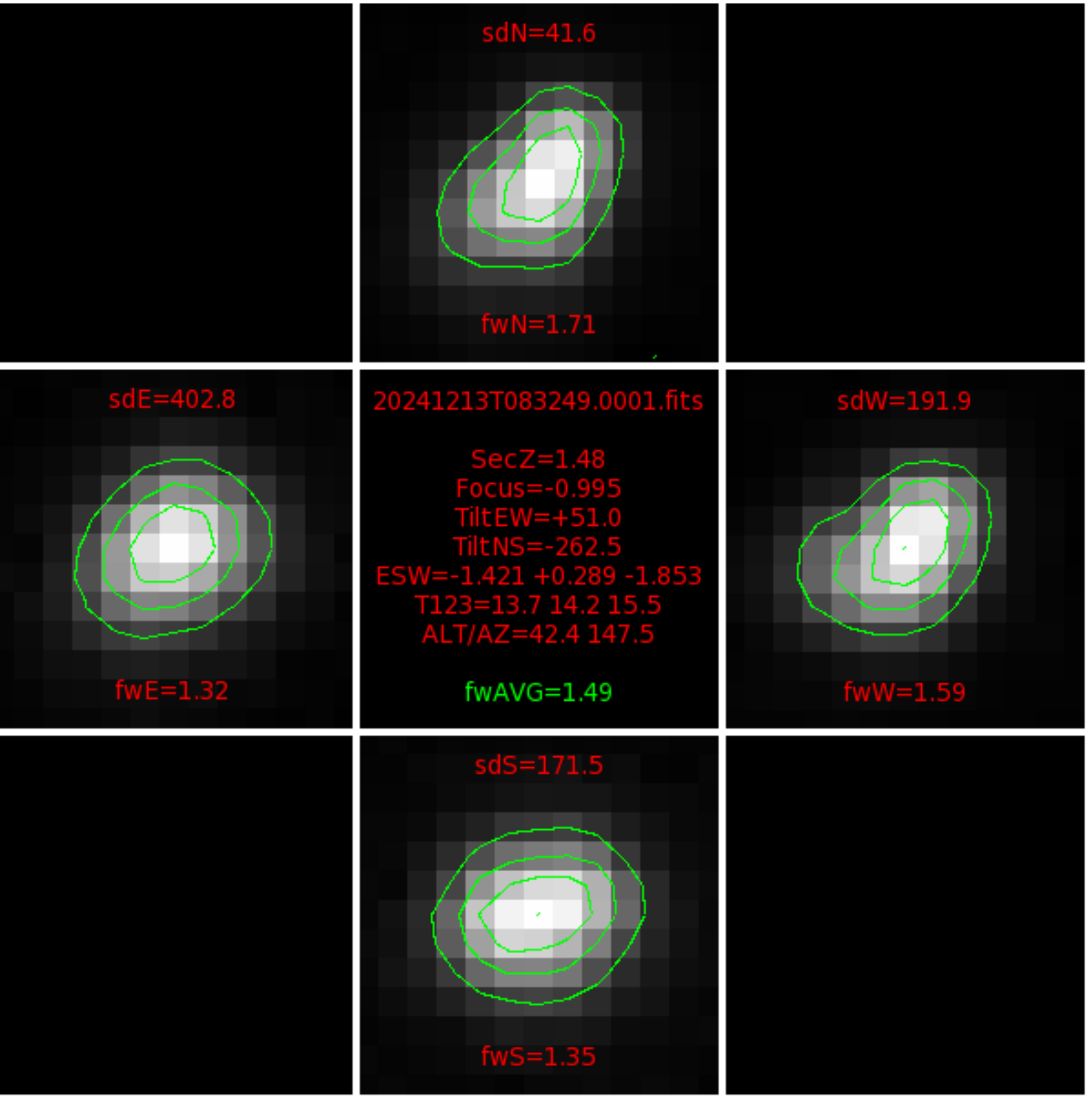
sdN=41.6
fwN=1.71
sdE=402.8
fwE=1.32
20241213T083249.0001.fits
SecZ=1.48
Focus=-0.995
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.421 +0.289 -1.853
T123=13.7 14.2 15.5
ALT/AZ=42.4 147.5
fwAVG=1.49
sdW=191.9
fwW=1.59
sdS=171.5
fwS=1.35
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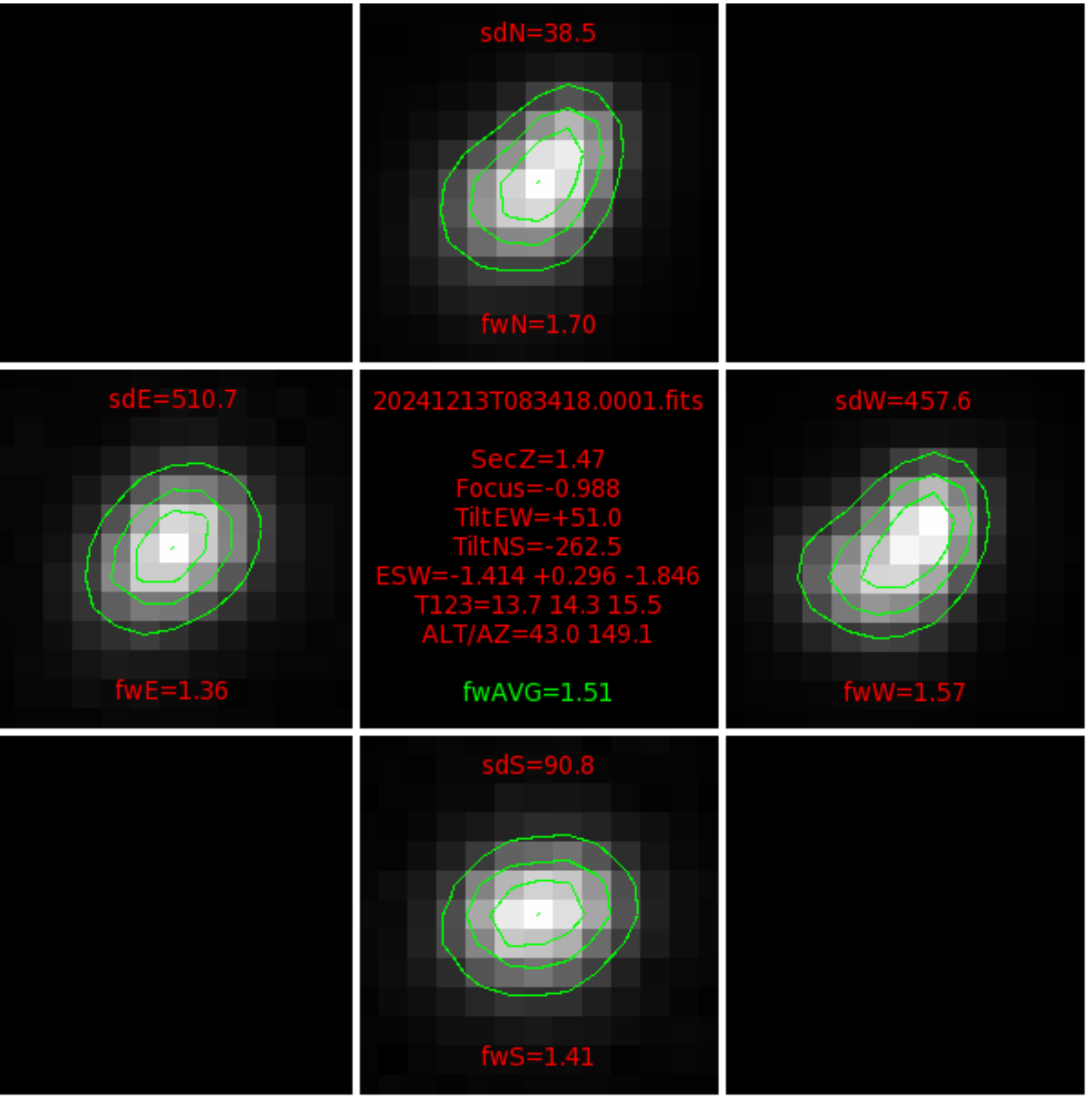
sdN=38.5
fwN=1.70
sdE=510.7
fwE=1.36
20241213T083418.0001.fits
SecZ=1.47
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.7 14.3 15.5
ALT/AZ=43.0 149.1
fwAVG=1.51
sdW=457.6
fwW=1.57
sdS=90.8
fwS=1.41
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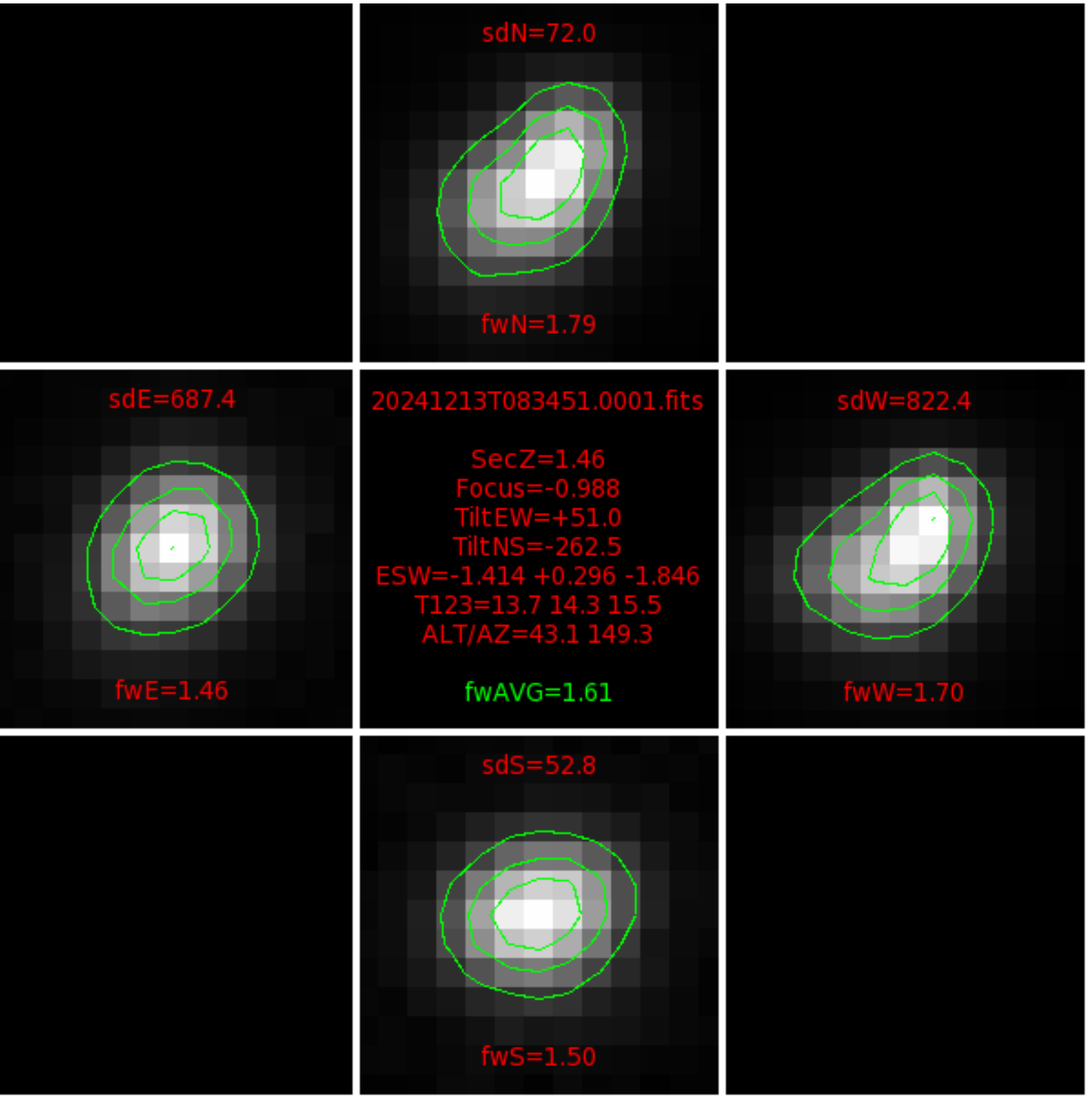
sdN=72.0
fwN=1.79
sdE=687.4
fwE=1.46
20241213T083451.0001.fits
SecZ=1.46
Focus=-0.988
TiltEW=+51.0
TiltNS=-262.5
ESW=-1.414 +0.296 -1.846
T123=13.7 14.3 15.5
ALT/AZ=43.1 149.3
fwAVG=1.61
sdW=822.4
fwW=1.70
sdS=52.8
fwS=1.50
0 0 0 0 0 0 0 0 0