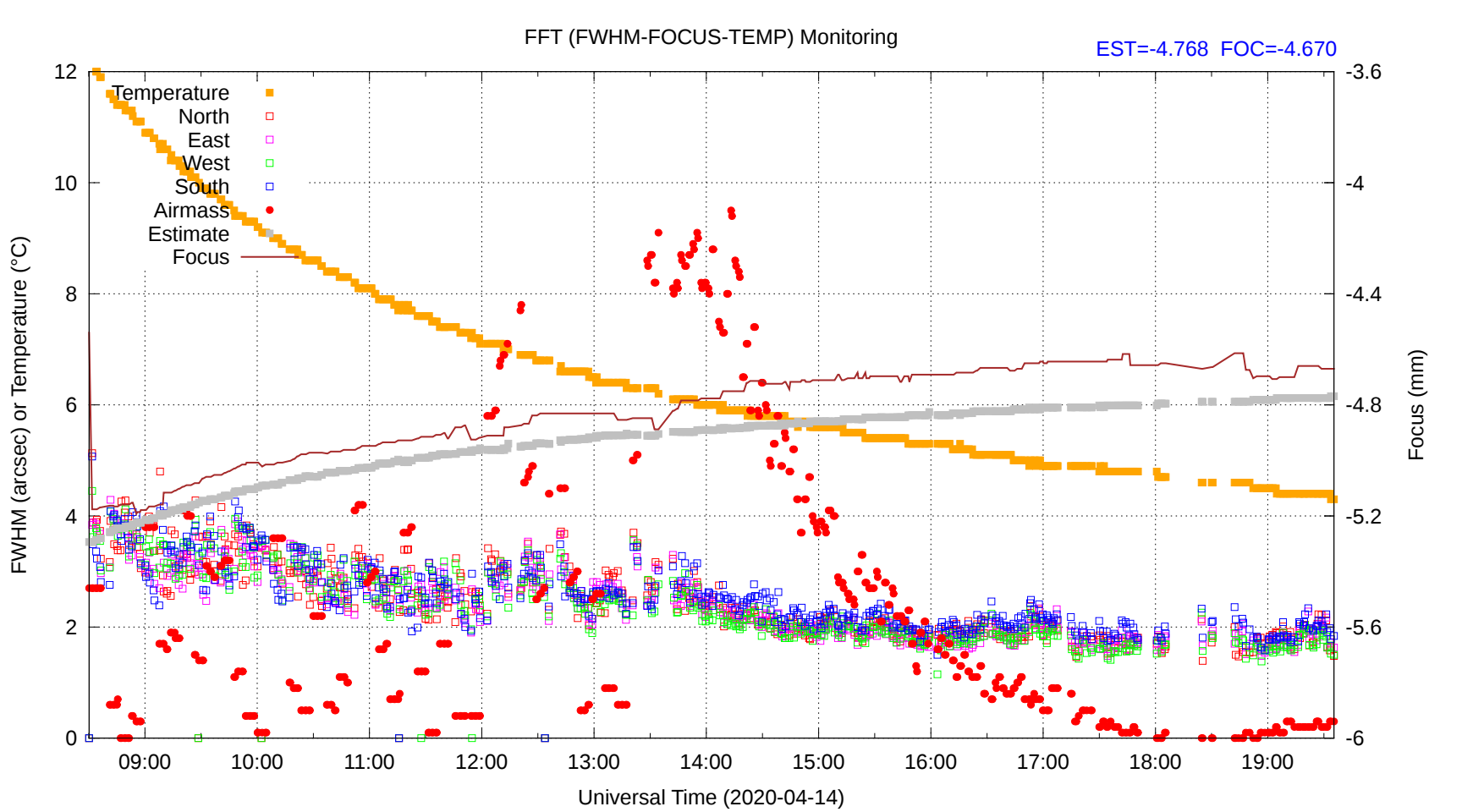
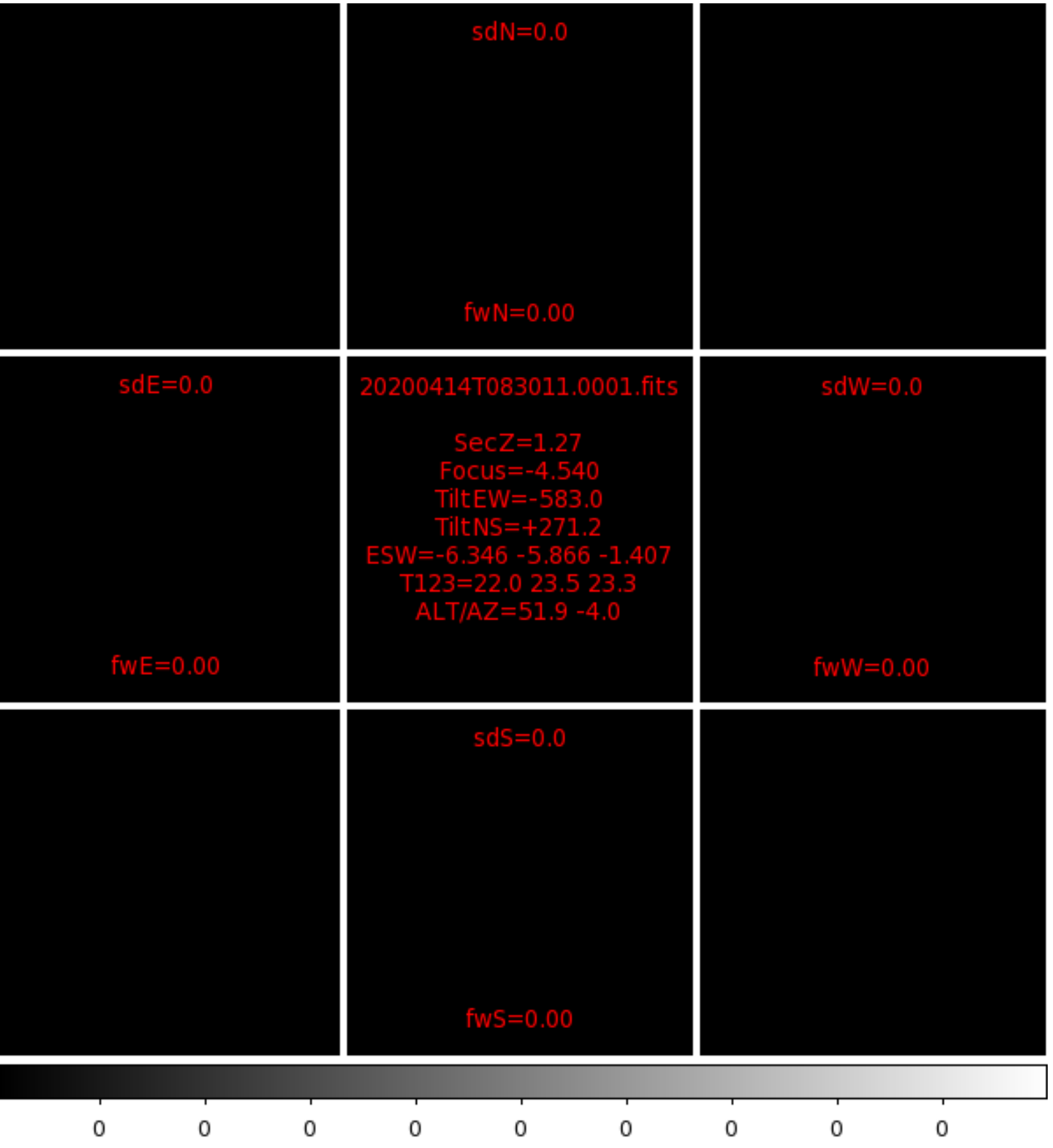
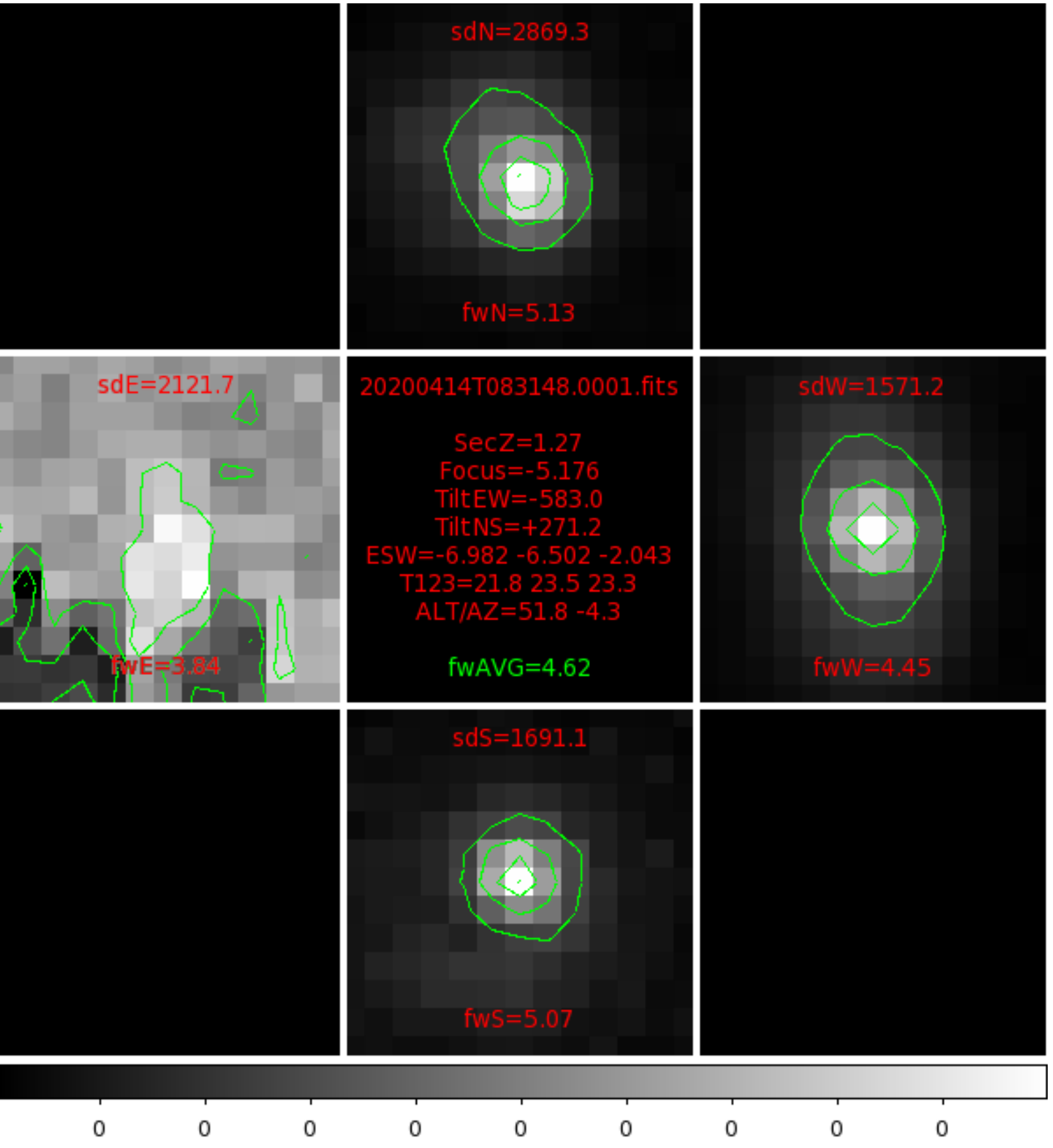
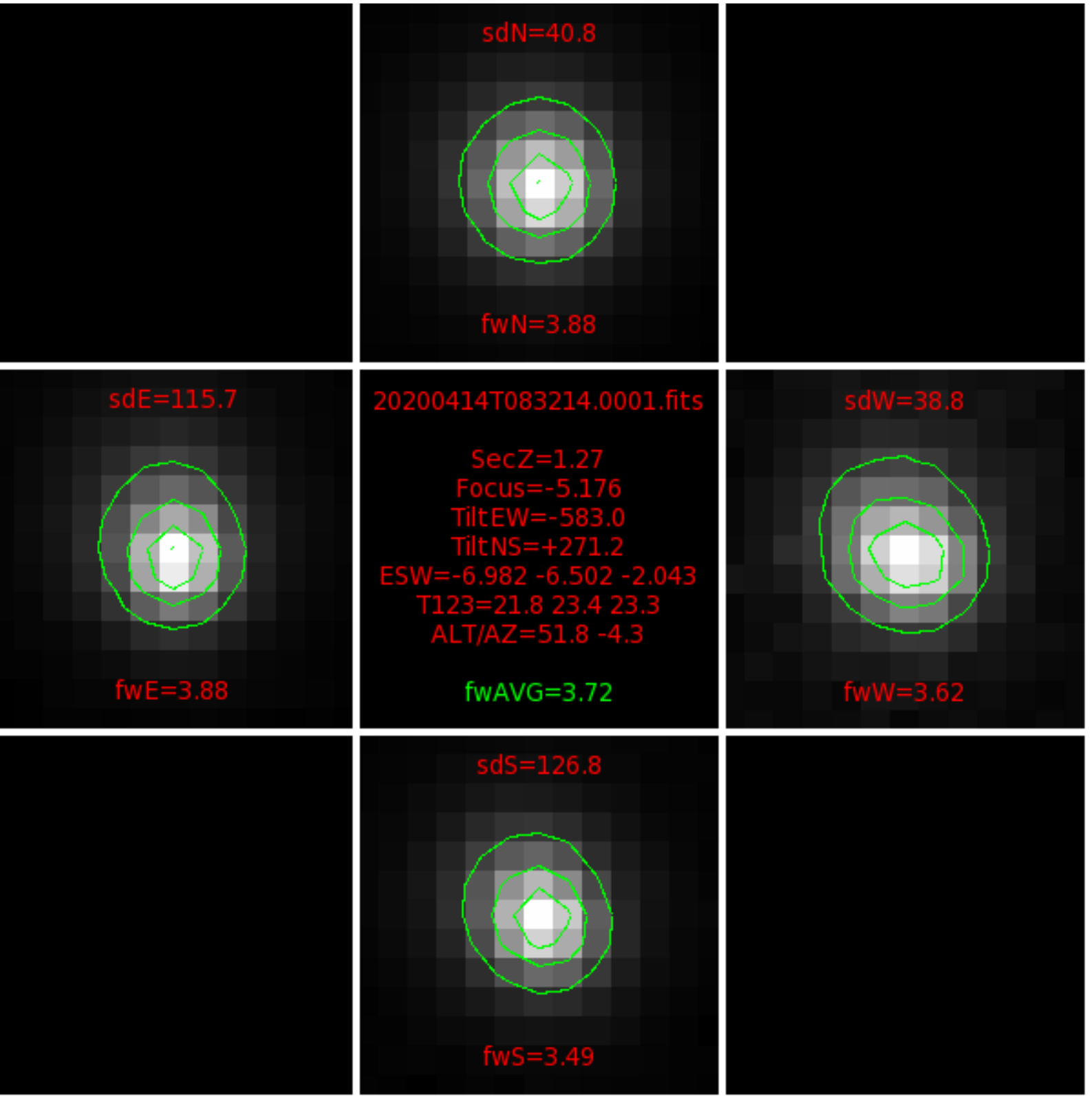
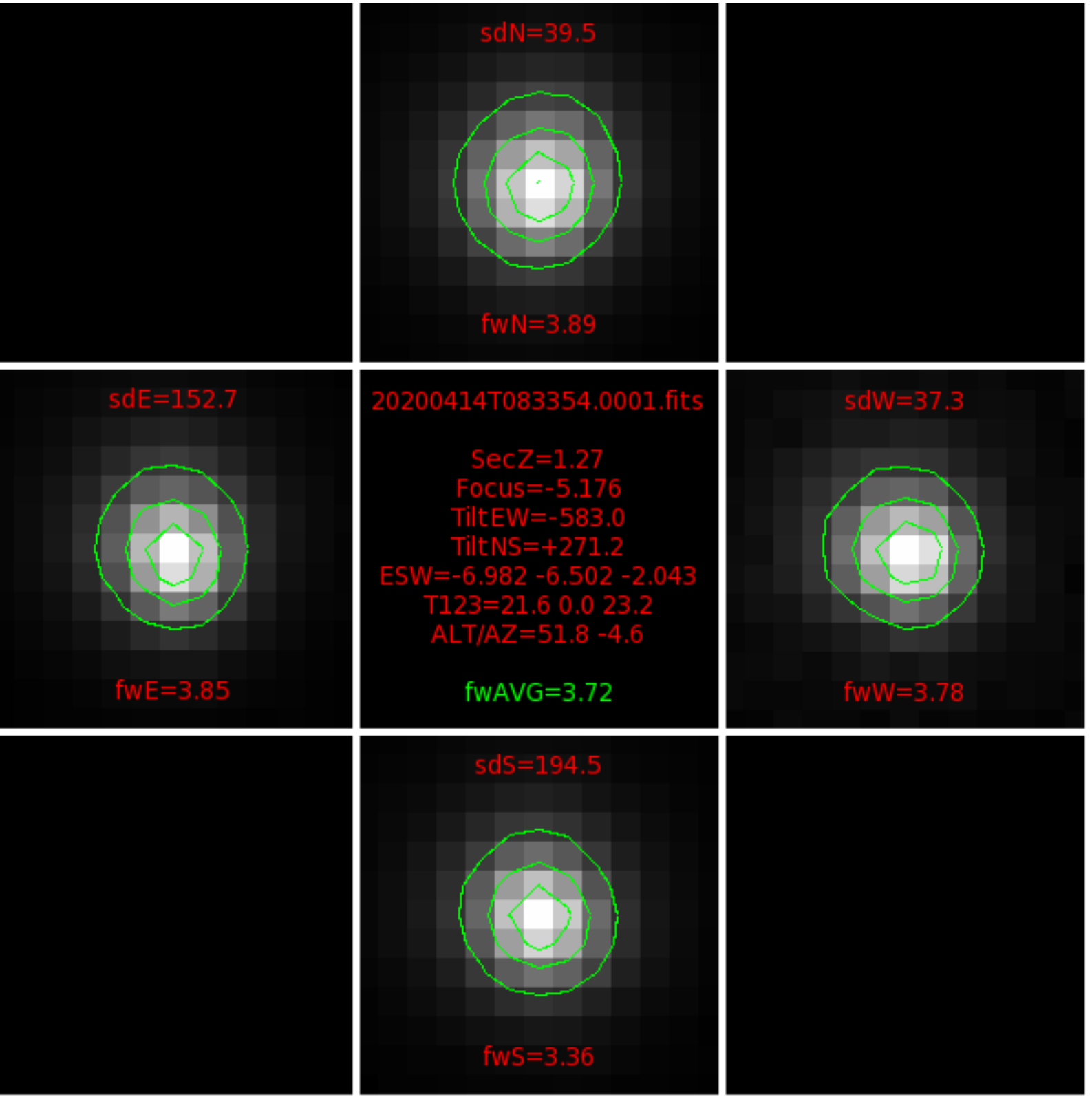
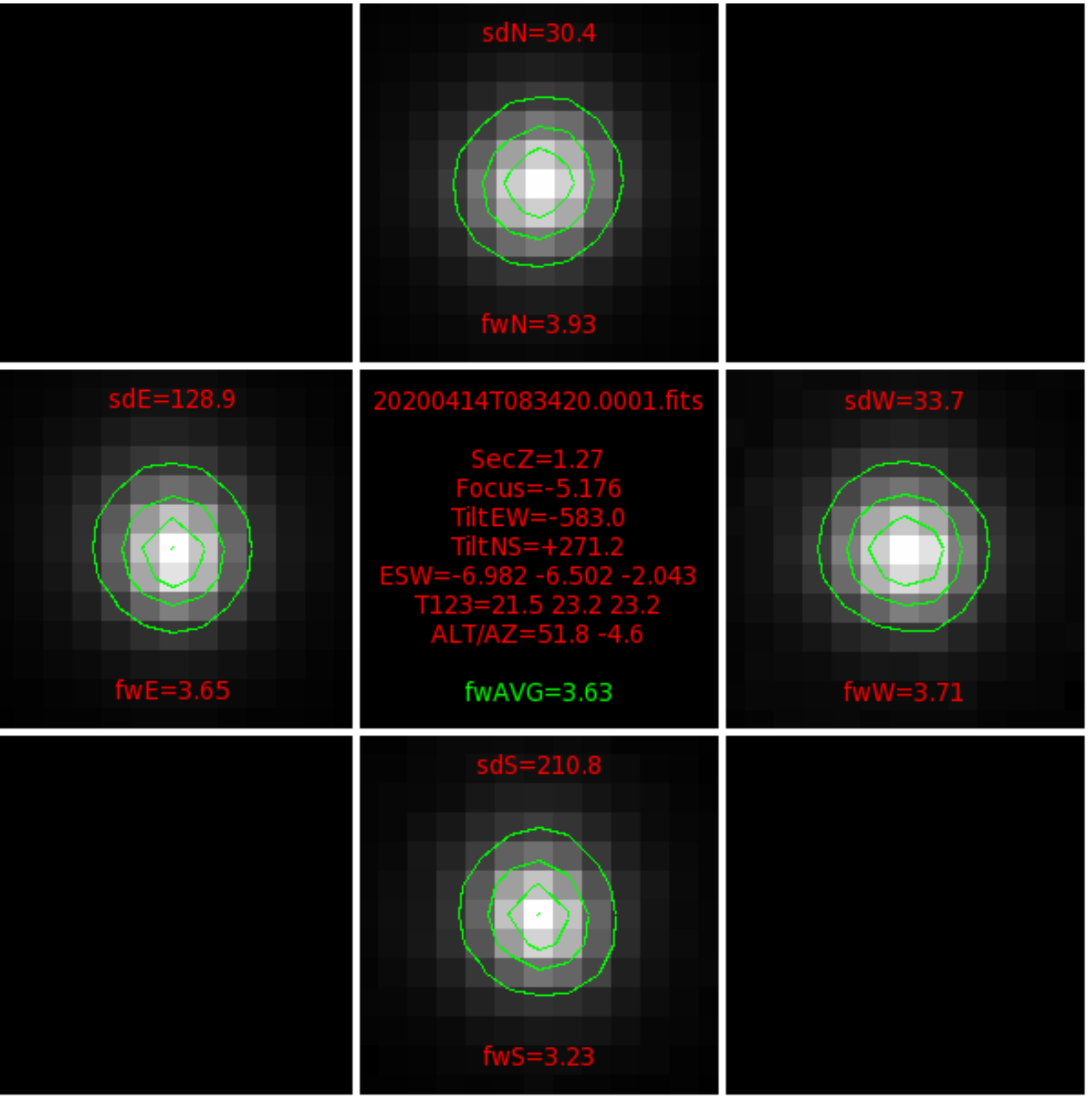

FFT (FWHM-FOCUS-TEMP) Monitoring
EST=-4.768 FOC=-4.670
Temperature
North
East
West
South
Airmass
Estimate
Focus
FWHM (arcsec) or Temperature (°C)
Focus (mm)
Universal Time (2020-04-14)
0
2
4
6
8
10
12
-3.6
-4
-4.4
-4.8
-5.2
-5.6
-6
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00

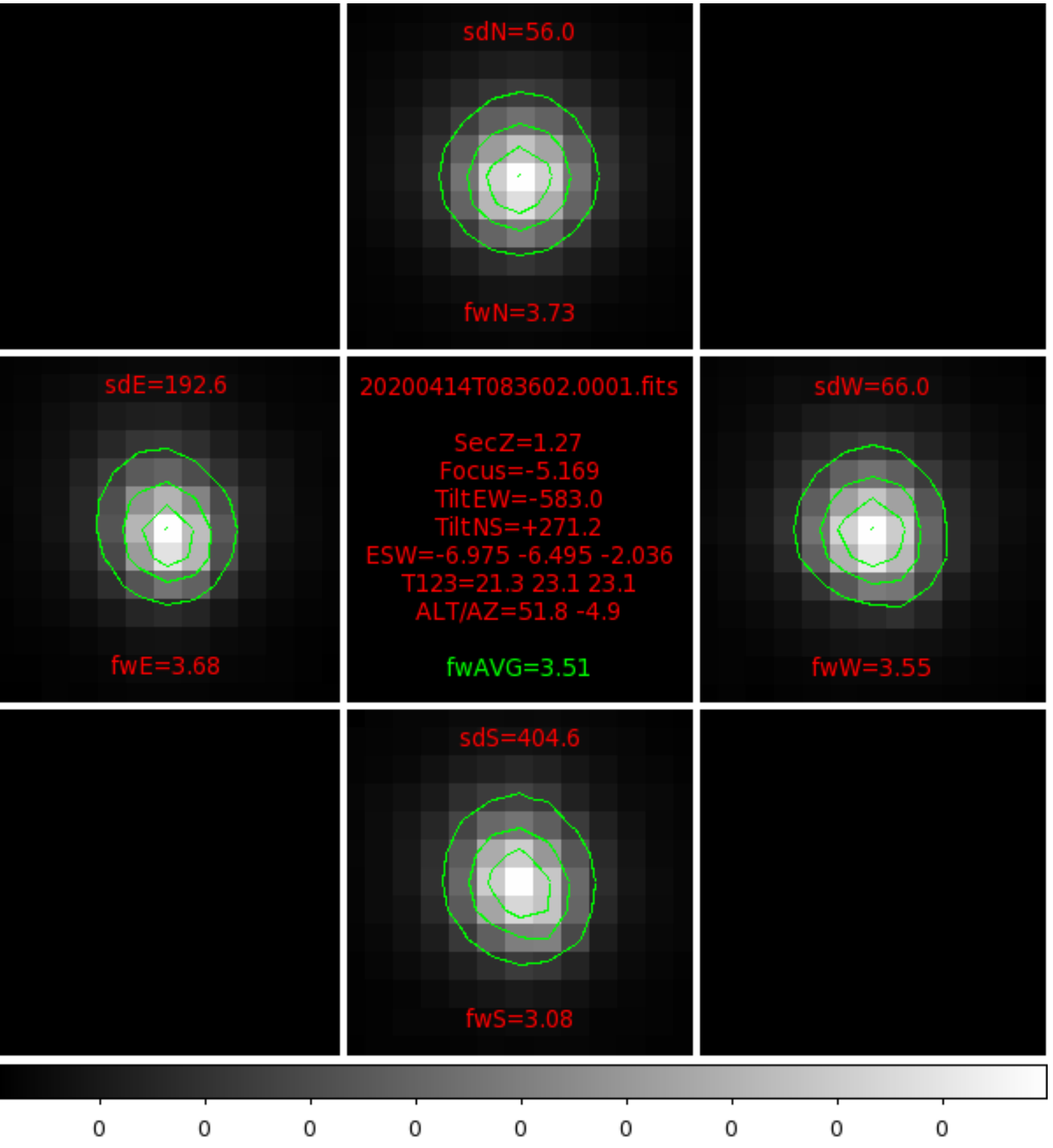

sdN=0.0
fwN=0.00
sdE=0.0
20200414T083011.0001.fits
SecZ=1.27
Focus=-4.540
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.346 -5.866 -1.407
T123=22.0 23.5 23.3
ALT/AZ=51.9 -4.0
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
0 0 0 0 0 0 0 0 0

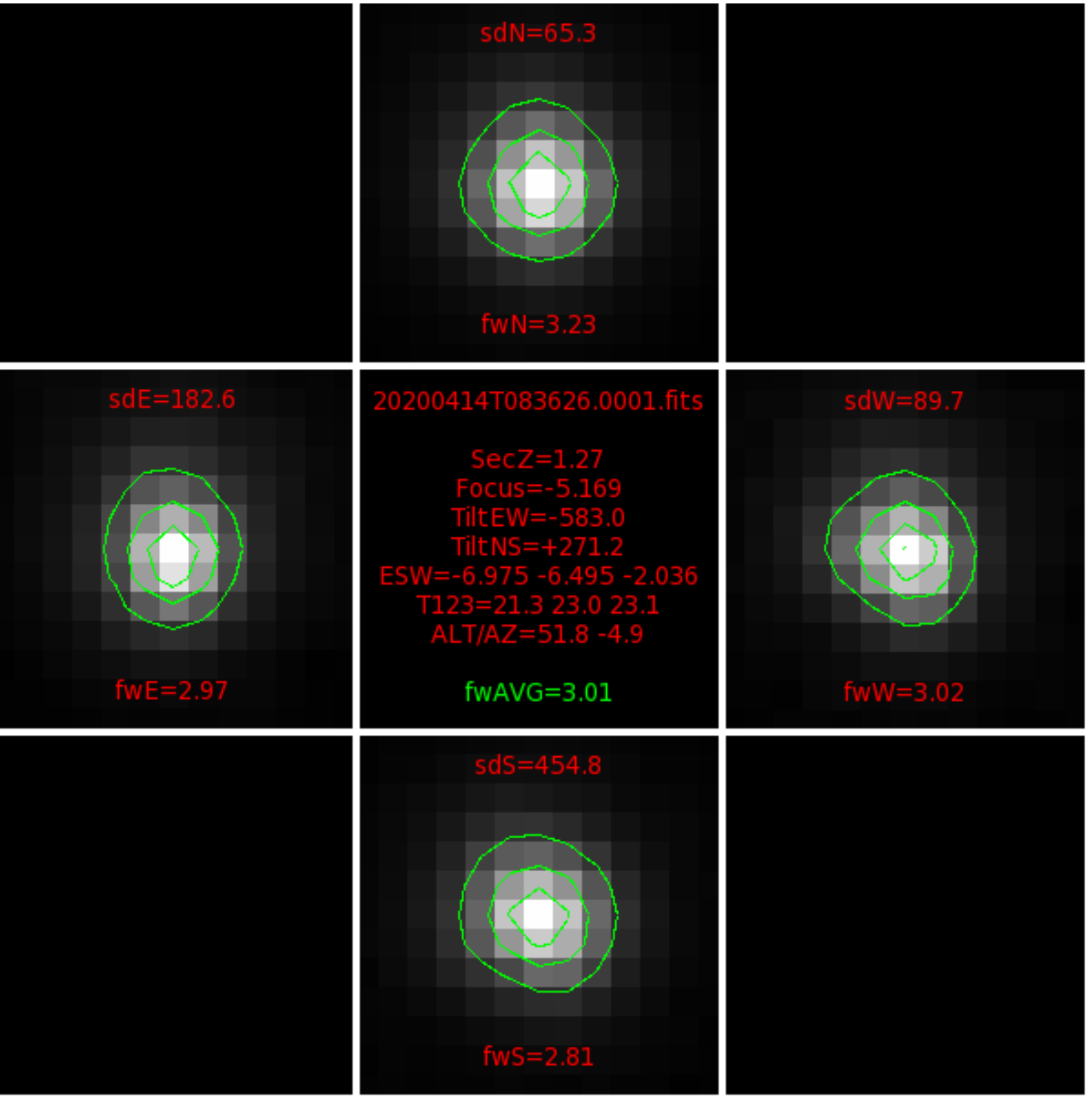

sdN=2869.3
fwN=5.13
sdE=2121.7
fwE=3.84
20200414T083148.0001.fits
SecZ=1.27
Focus=-5.176
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.982 -6.502 -2.043
T123=21.8 23.5 23.3
ALT/AZ=51.8 -4.3
fwAVG=4.62
sdW=1571.2
fwW=4.45
sdS=1691.1
fwS=5.07
0 0 0 0 0 0 0 0 0

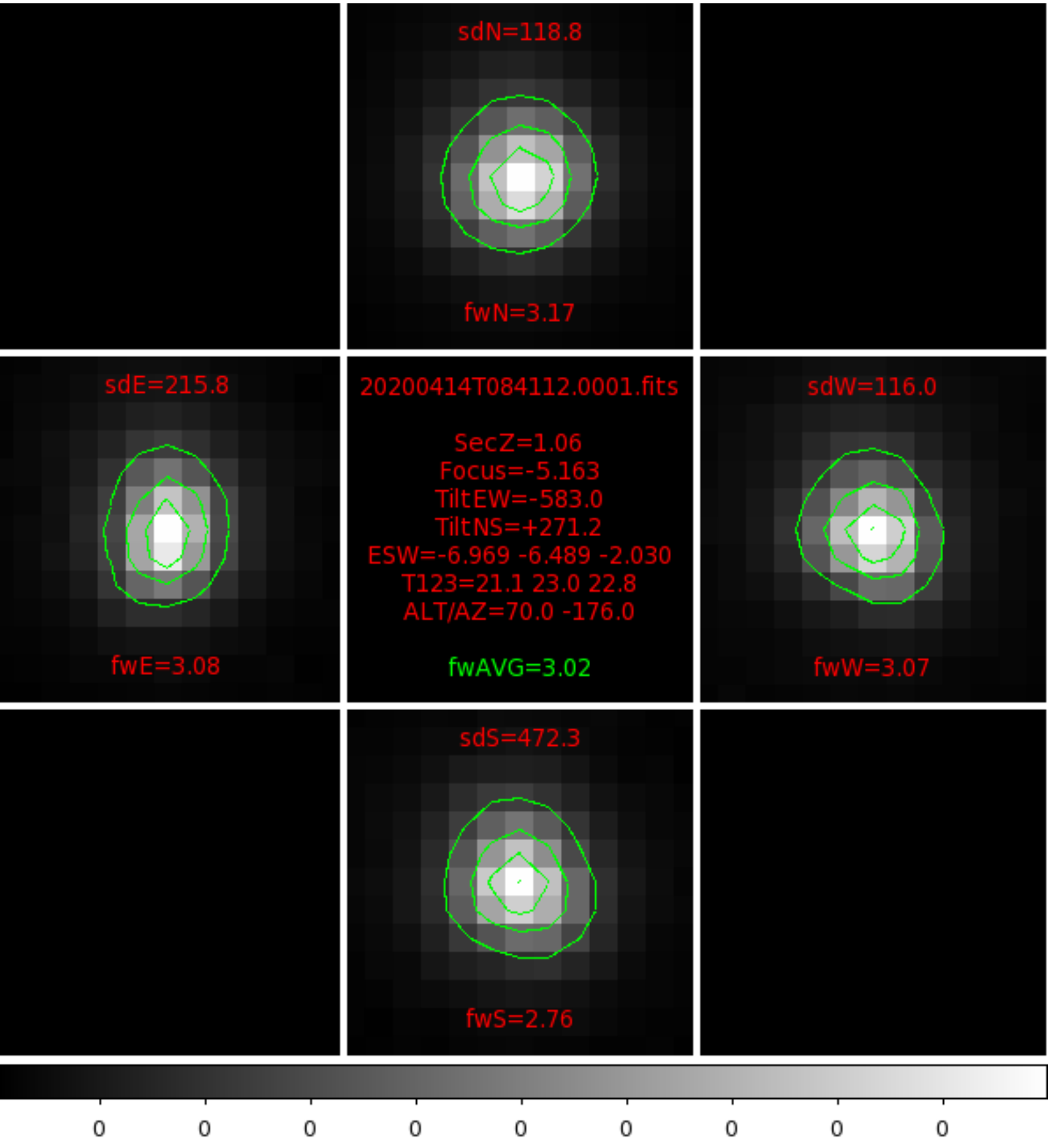

sdN=40.8
fwN=3.88
sdE=115.7
fwE=3.88
20200414T083214.0001.fits
SecZ=1.27
Focus=-5.176
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.982 -6.502 -2.043
T123=21.8 23.4 23.3
ALT/AZ=51.8 -4.3
fwAVG=3.72
sdW=38.8
fwW=3.62
sdS=126.8
fwS=3.49
0 0 0 0 0 0 0 0 0

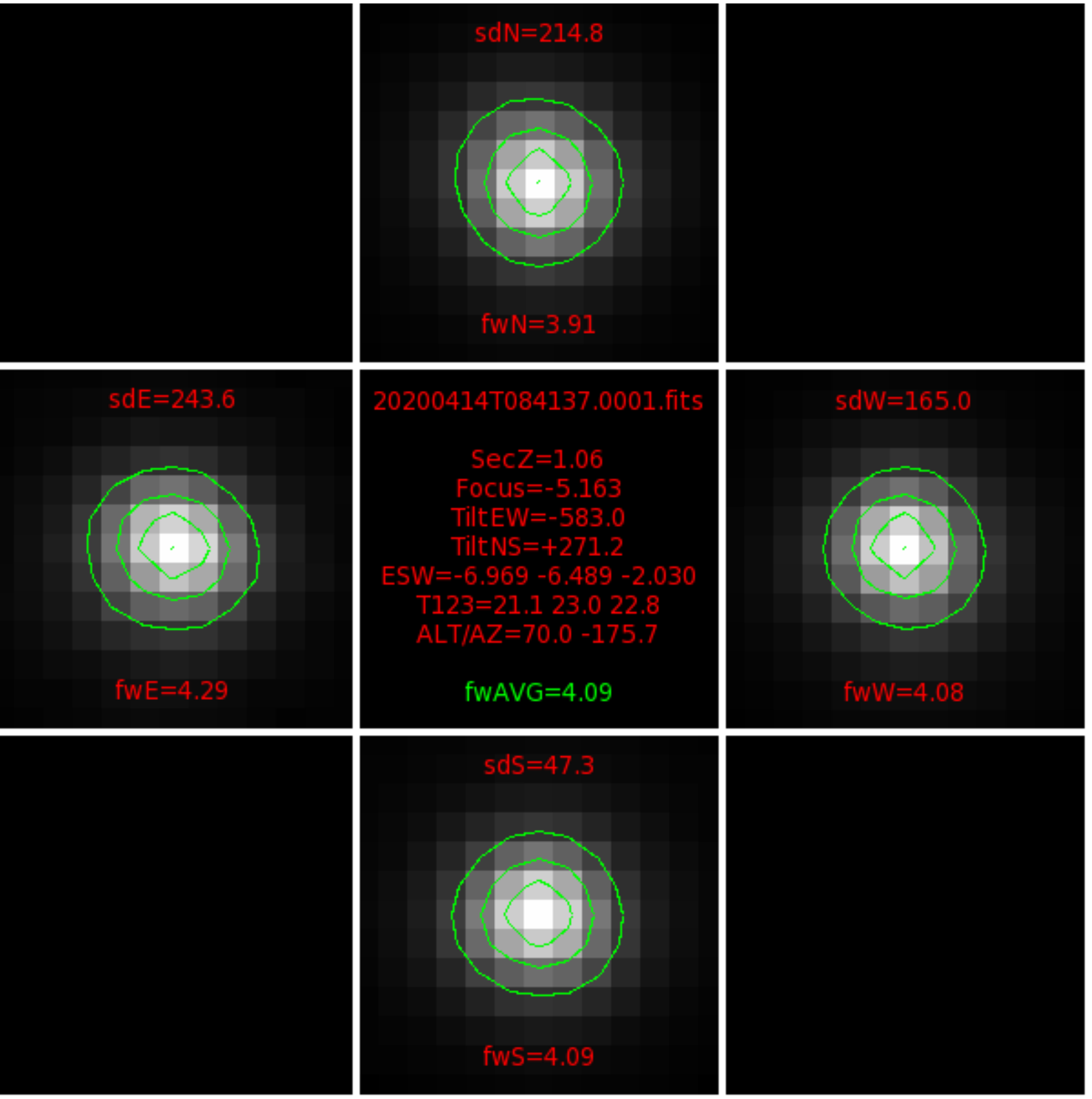

sdN=39.5
fwN=3.89
sdE=152.7
fwE=3.85
20200414T083354.0001.fits
SecZ=1.27
Focus=-5.176
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.982 -6.502 -2.043
T123=21.6 0.0 23.2
ALT/AZ=51.8 -4.6
fwAVG=3.72
sdW=37.3
fwW=3.78
sdS=194.5
fwS=3.36
0 0 0 0 0 0 0 0 0

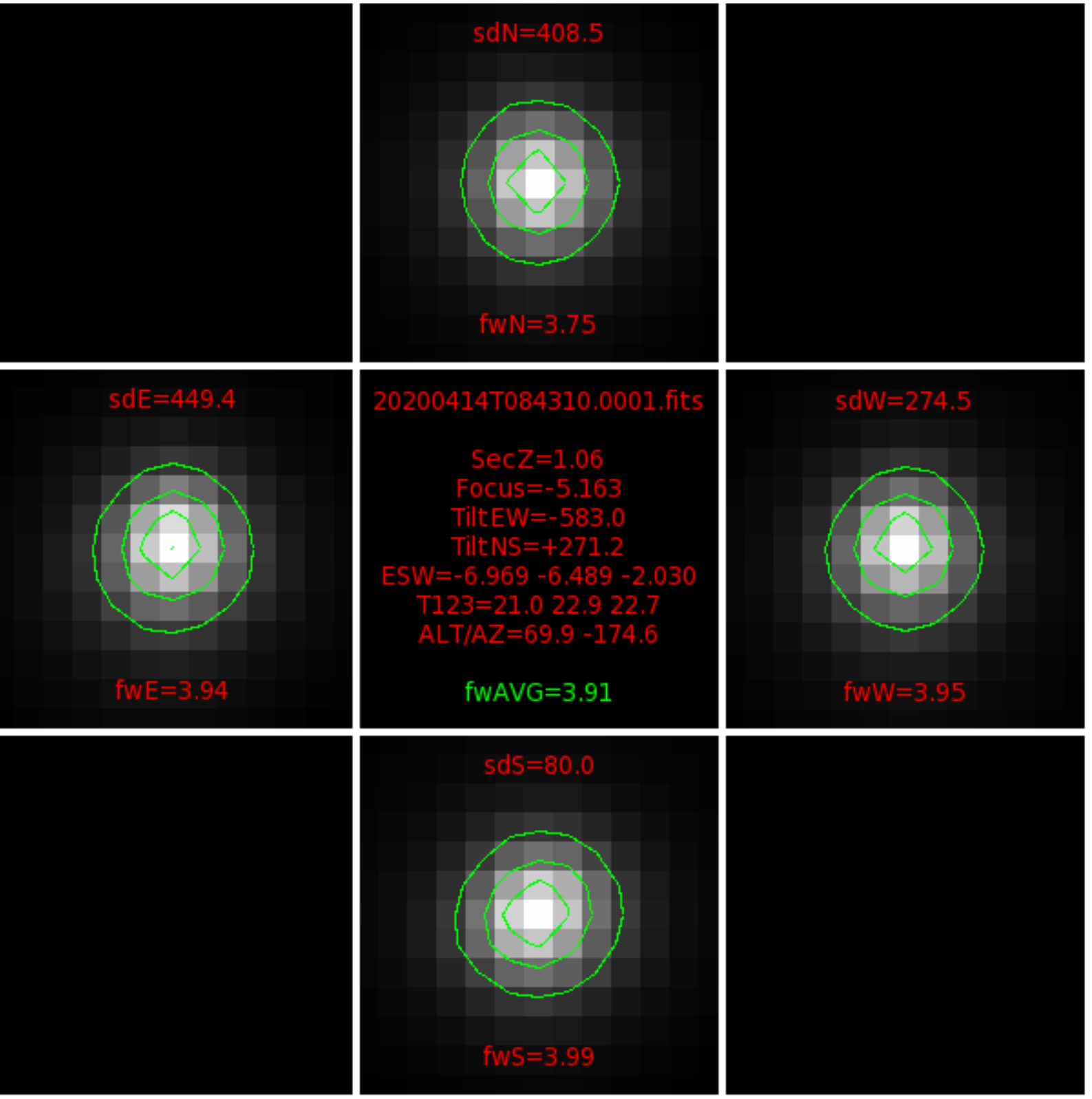

sdN=30.4
fwN=3.93
sdE=128.9
fwE=3.65
20200414T083420.0001.fits
SecZ=1.27
Focus=-5.176
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.982 -6.502 -2.043
T123=21.5 23.2 23.2
ALT/AZ=51.8 -4.6
fwAVG=3.63
sdW=33.7
fwW=3.71
sdS=210.8
fwS=3.23
0 0 0 0 0 0 0 0 0

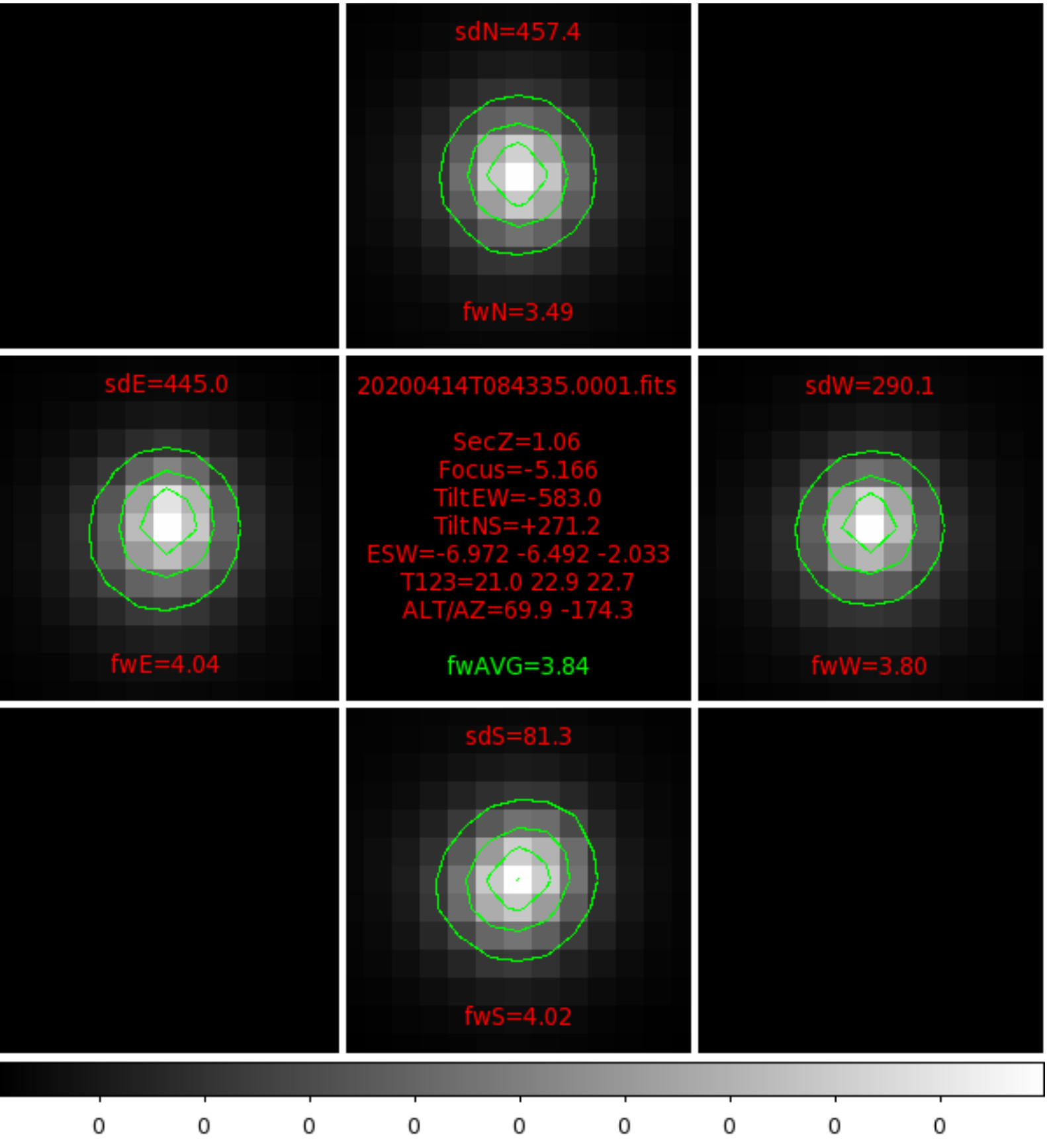

sdN=56.0
fwN=3.73
sdE=192.6
fwE=3.68
20200414T083602.0001.fits
SecZ=1.27
Focus=-5.169
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.975 -6.495 -2.036
T123=21.3 23.1 23.1
ALT/AZ=51.8 -4.9
fwAVG=3.51
sdW=66.0
fwW=3.55
sdS=404.6
fwS=3.08
0 0 0 0 0 0 0 0 0

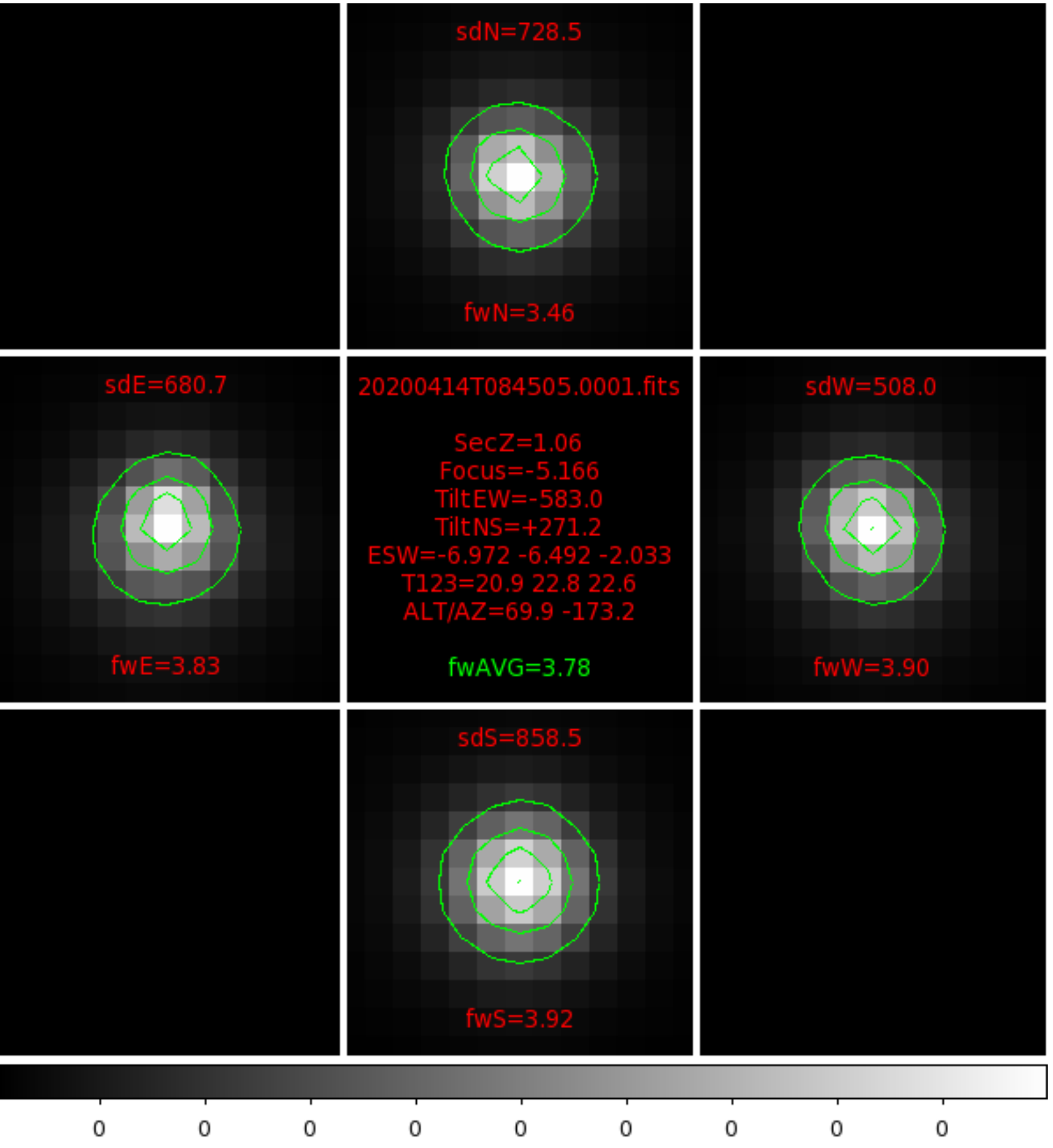

sdN=65.3
fwN=3.23
sdE=182.6
fwE=2.97
20200414T083626.0001.fits
SecZ=1.27
Focus=-5.169
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.975 -6.495 -2.036
T123=21.3 23.0 23.1
ALT/AZ=51.8 -4.9
fwAVG=3.01
sdW=89.7
fwW=3.02
sdS=454.8
fwS=2.81
0 0 0 0 0 0 0 0 0

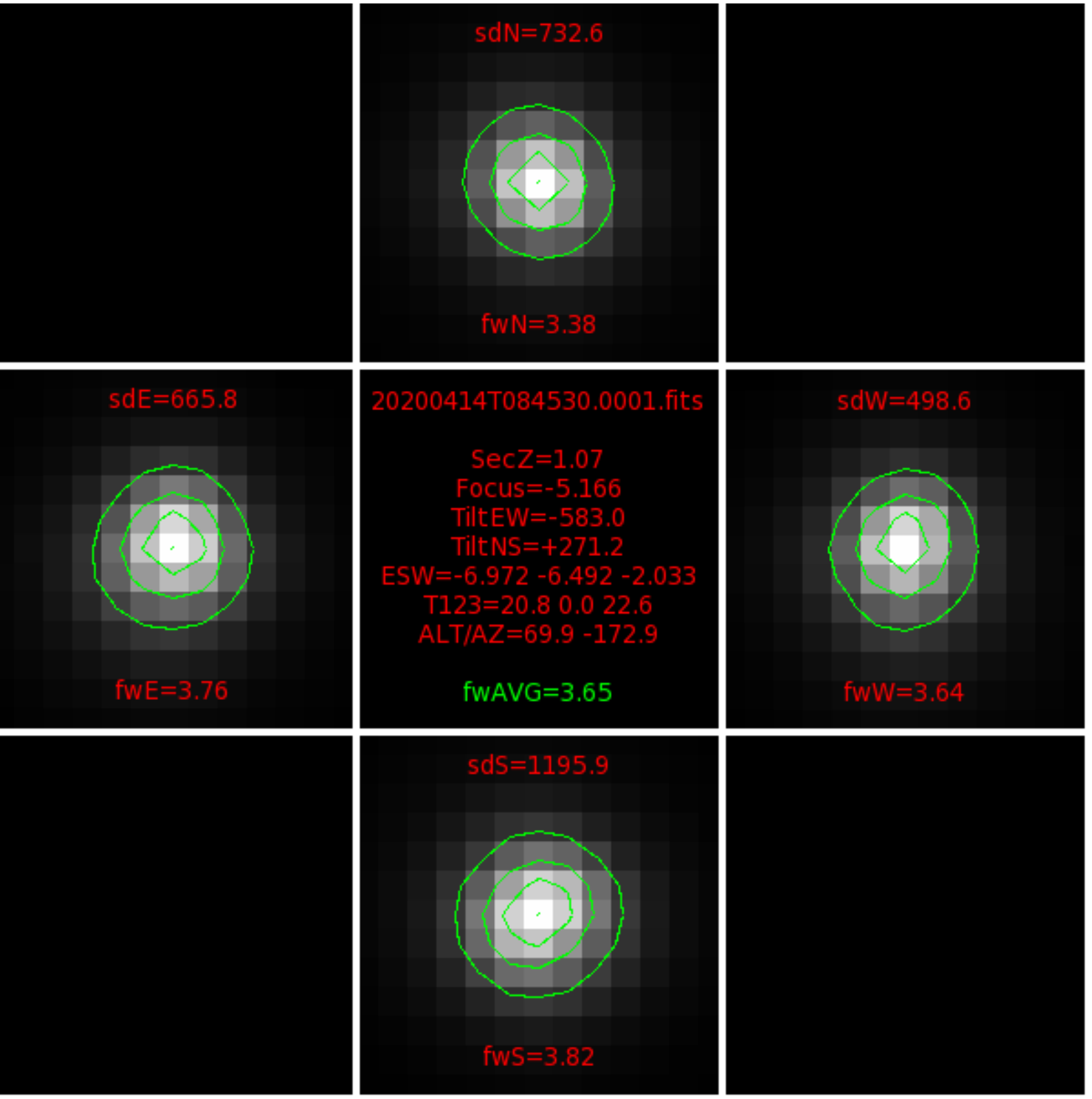

sdN=118.8
fwN=3.17
sdE=215.8
fwE=3.08
20200414T084112.0001.fits
SecZ=1.06
Focus=-5.163
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.969 -6.489 -2.030
T123=21.1 23.0 22.8
ALT/AZ=70.0 -176.0
fwAVG=3.02
sdW=116.0
fwW=3.07
sdS=472.3
fwS=2.76
0 0 0 0 0 0 0 0 0

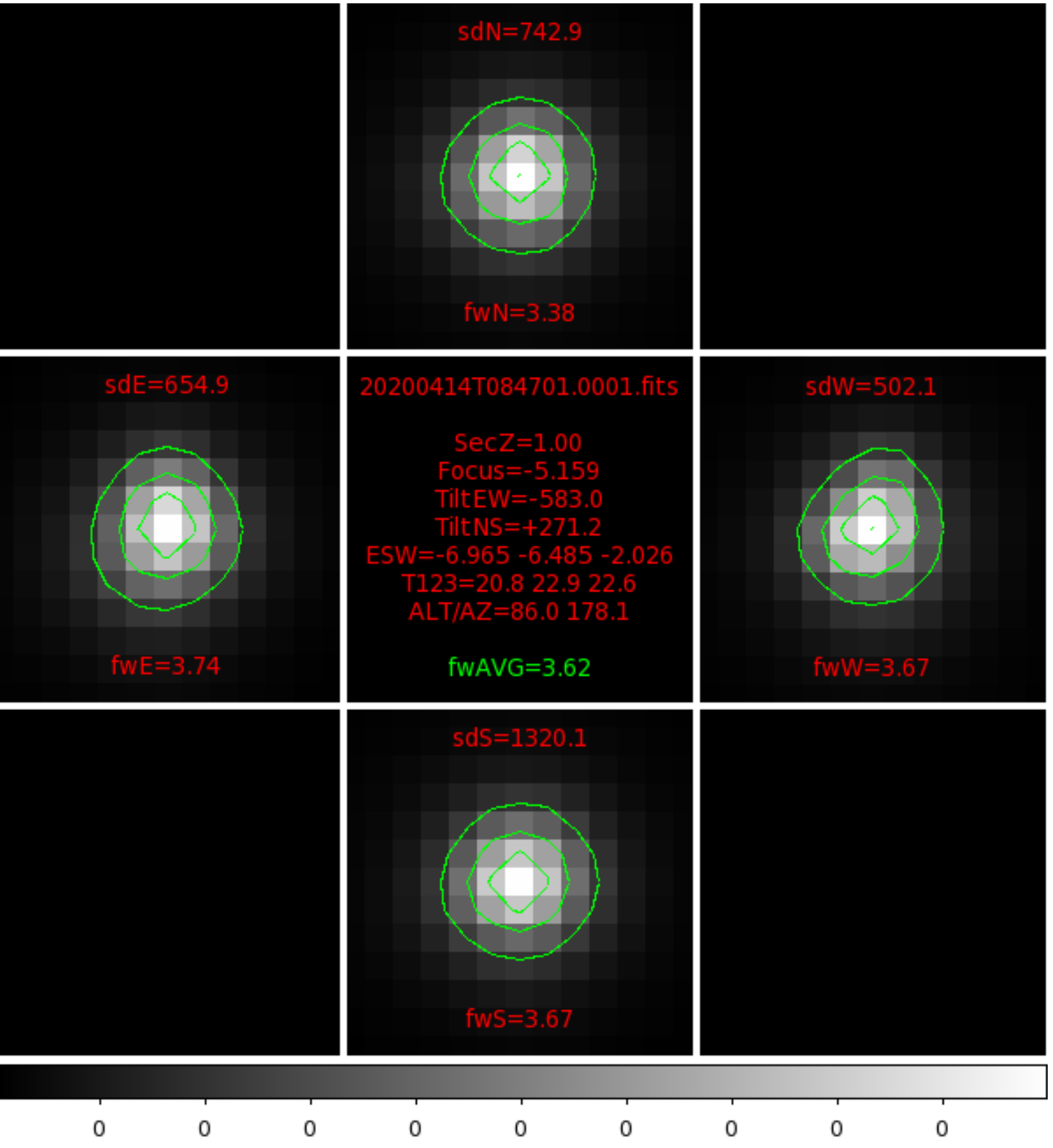

sdN=214.8
fwN=3.91
sdE=243.6
fwE=4.29
20200414T084137.0001.fits
SecZ=1.06
Focus=-5.163
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.969 -6.489 -2.030
T123=21.1 23.0 22.8
ALT/AZ=70.0 -175.7
fwAVG=4.09
sdW=165.0
fwW=4.08
sdS=47.3
fwS=4.09
0 0 0 0 0 0 0 0 0

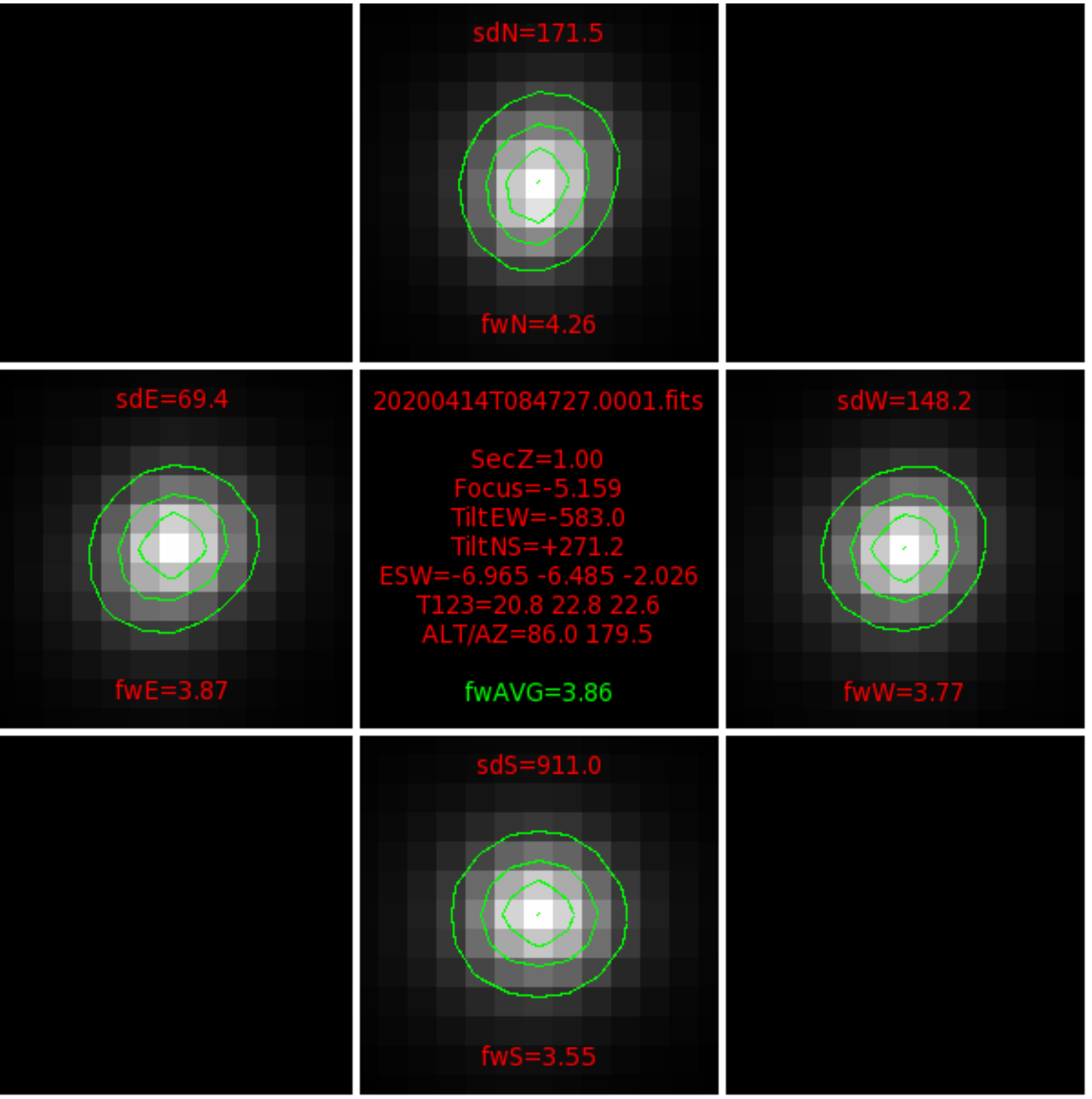

sdN=408.5
fwN=3.75
sdE=449.4
fwE=3.94
20200414T084310.0001.fits
SecZ=1.06
Focus=-5.163
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.969 -6.489 -2.030
T123=21.0 22.9 22.7
ALT/AZ=69.9 -174.6
fwAVG=3.91
sdW=274.5
fwW=3.95
sdS=80.0
fwS=3.99
0 0 0 0 0 0 0 0 0


sdN=457.4
fwN=3.49
sdE=445.0
fwE=4.04
20200414T084335.0001.fits
SecZ=1.06
Focus=-5.166
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.972 -6.492 -2.033
T123=21.0 22.9 22.7
ALT/AZ=69.9 -174.3
fwAVG=3.84
sdW=290.1
fwW=3.80
sdS=81.3
fwS=4.02
0 0 0 0 0 0 0 0 0


sdN=728.5
fwN=3.46
sdE=680.7
fwE=3.83
20200414T084505.0001.fits
SecZ=1.06
Focus=-5.166
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.972 -6.492 -2.033
T123=20.9 22.8 22.6
ALT/AZ=69.9 -173.2
fwAVG=3.78
sdW=508.0
fwW=3.90
sdS=858.5
fwS=3.92
0 0 0 0 0 0 0 0 0


sdN=732.6
fwN=3.38
sdE=665.8
fwE=3.76
20200414T084530.0001.fits
SecZ=1.07
Focus=-5.166
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.972 -6.492 -2.033
T123=20.8 0.0 22.6
ALT/AZ=69.9 -172.9
fwAVG=3.65
sdW=498.6
fwW=3.64
sdS=1195.9
fwS=3.82
0 0 0 0 0 0 0 0 0


sdN=742.9
fwN=3.38
sdE=654.9
fwE=3.74
20200414T084701.0001.fits
SecZ=1.00
Focus=-5.159
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.965 -6.485 -2.026
T123=20.8 22.9 22.6
ALT/AZ=86.0 178.1
fwAVG=3.62
sdW=502.1
fwW=3.67
sdS=1320.1
fwS=3.67
0 0 0 0 0 0 0 0 0


sdN=171.5
fwN=4.26
sdE=69.4
fwE=3.87
20200414T084727.0001.fits
SecZ=1.00
Focus=-5.159
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.965 -6.485 -2.026
T123=20.8 22.8 22.6
ALT/AZ=86.0 179.5
fwAVG=3.86
sdW=148.2
fwW=3.77
sdS=911.0
fwS=3.55
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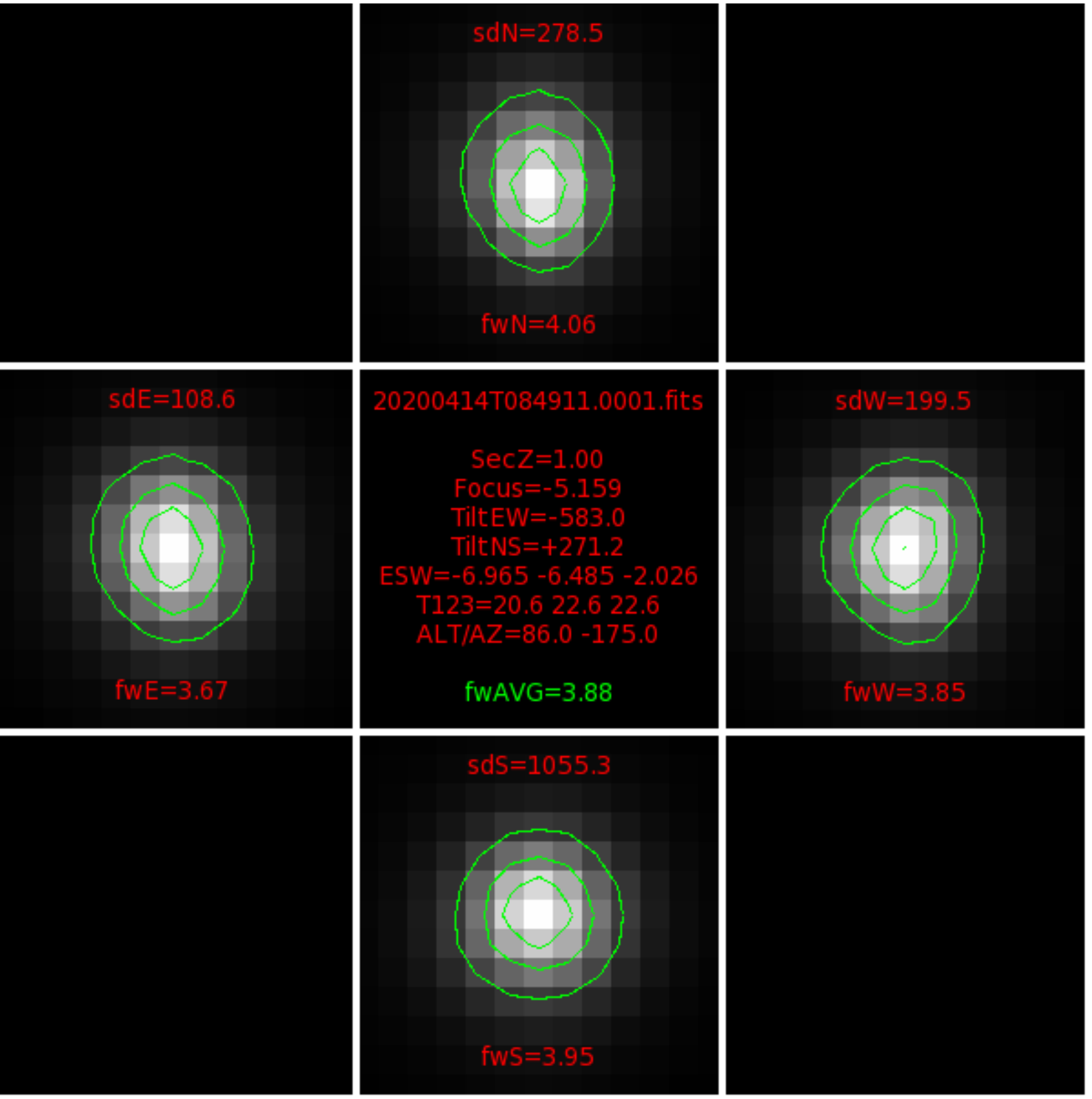
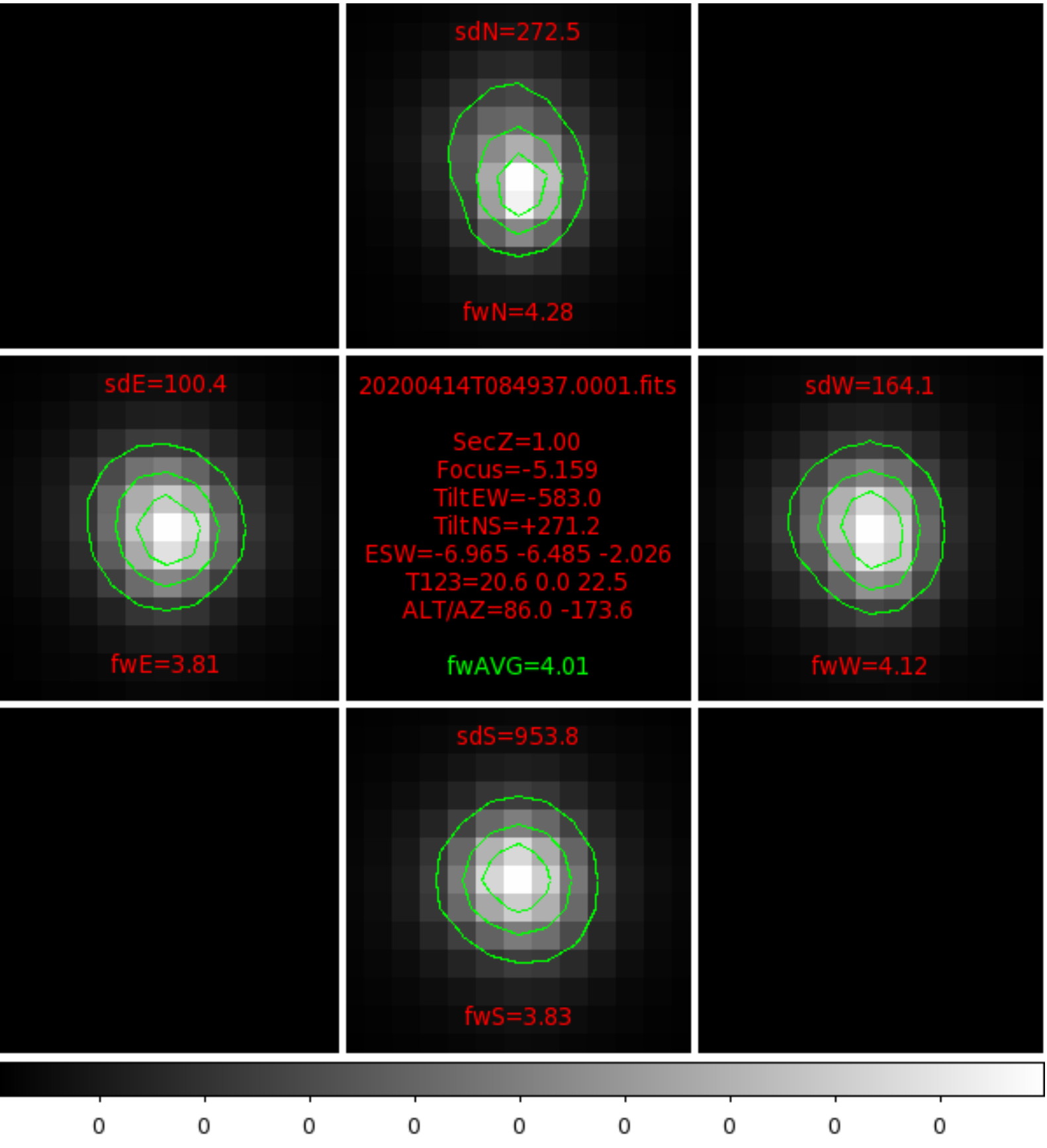
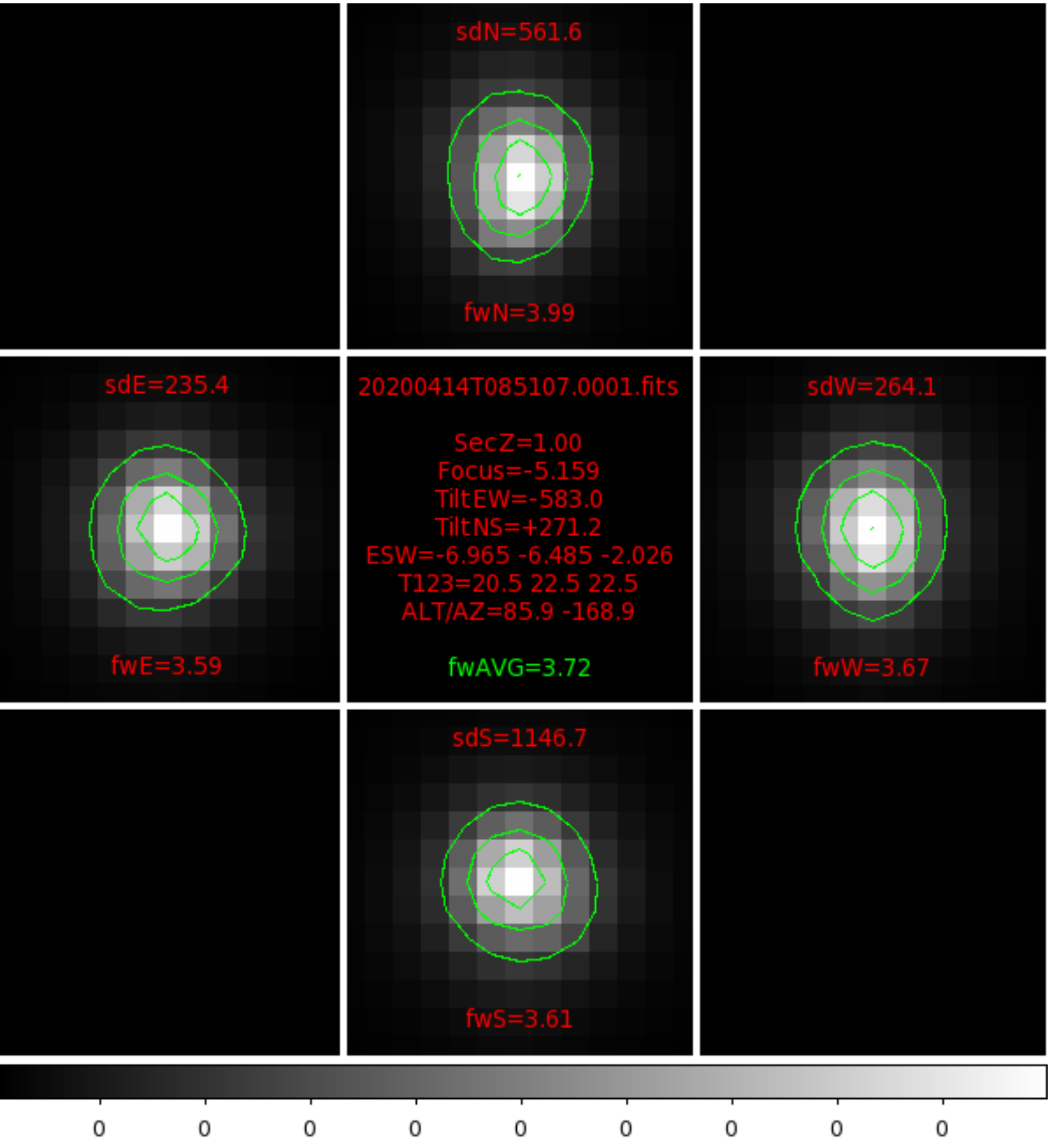
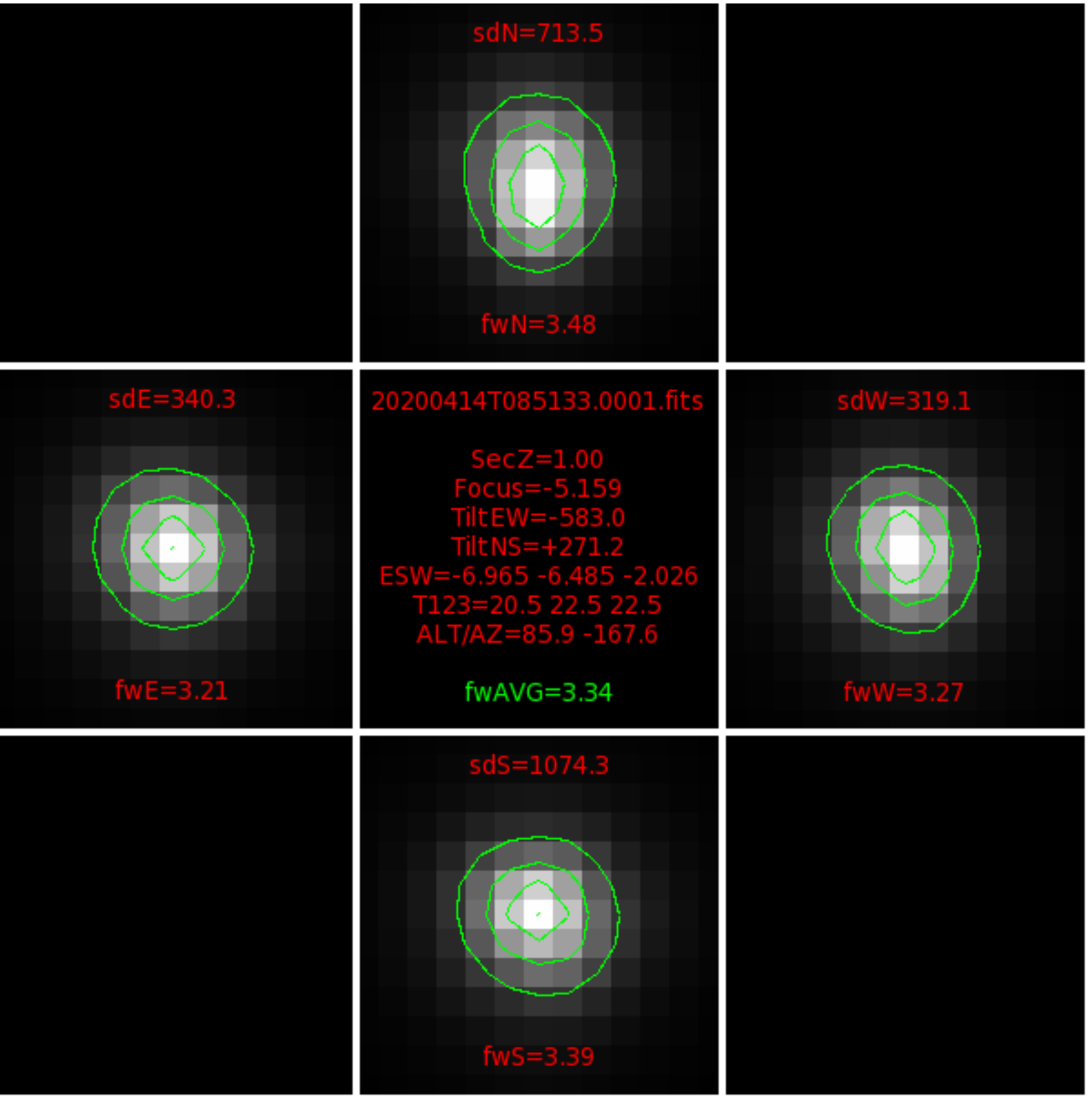
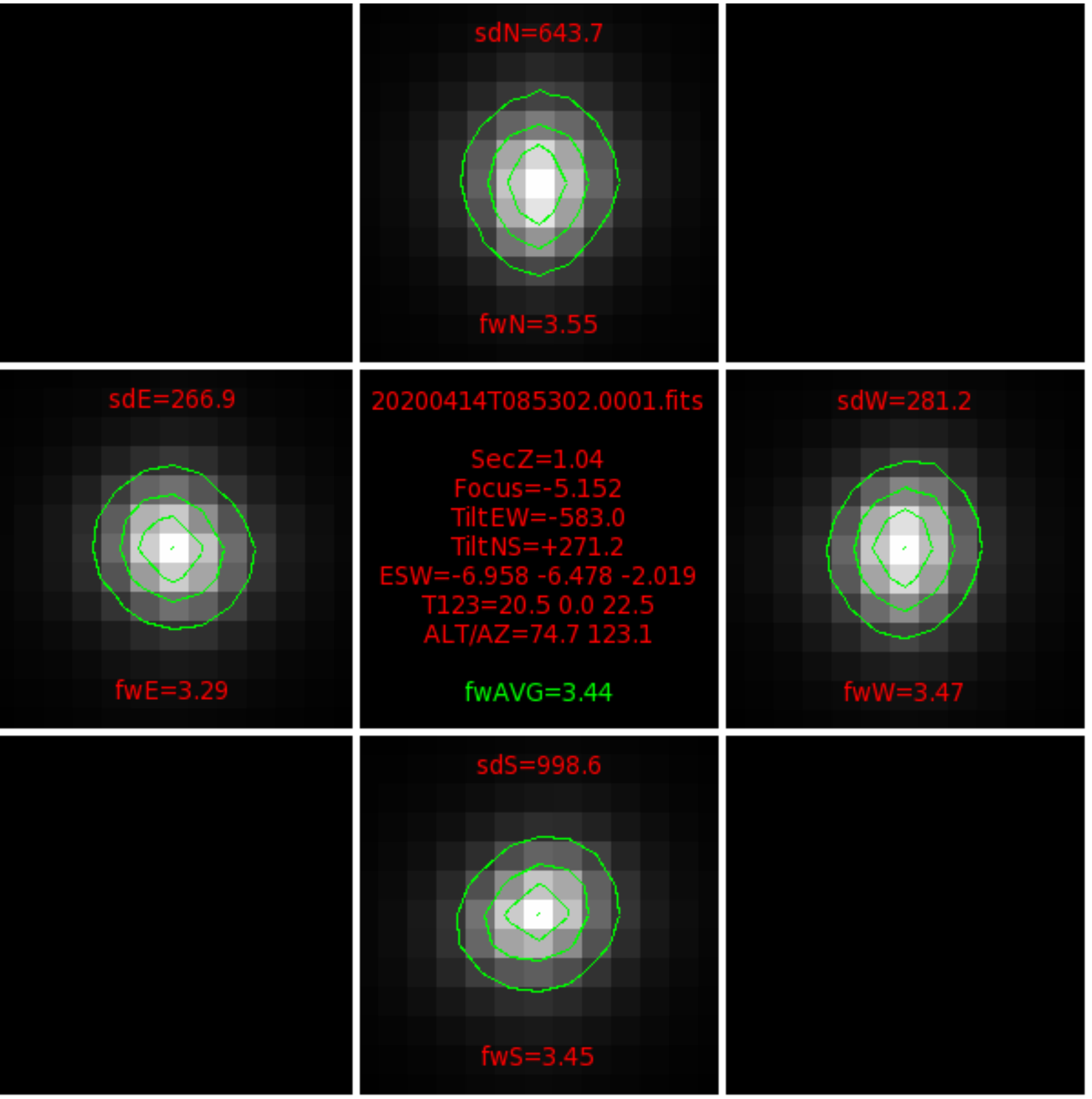
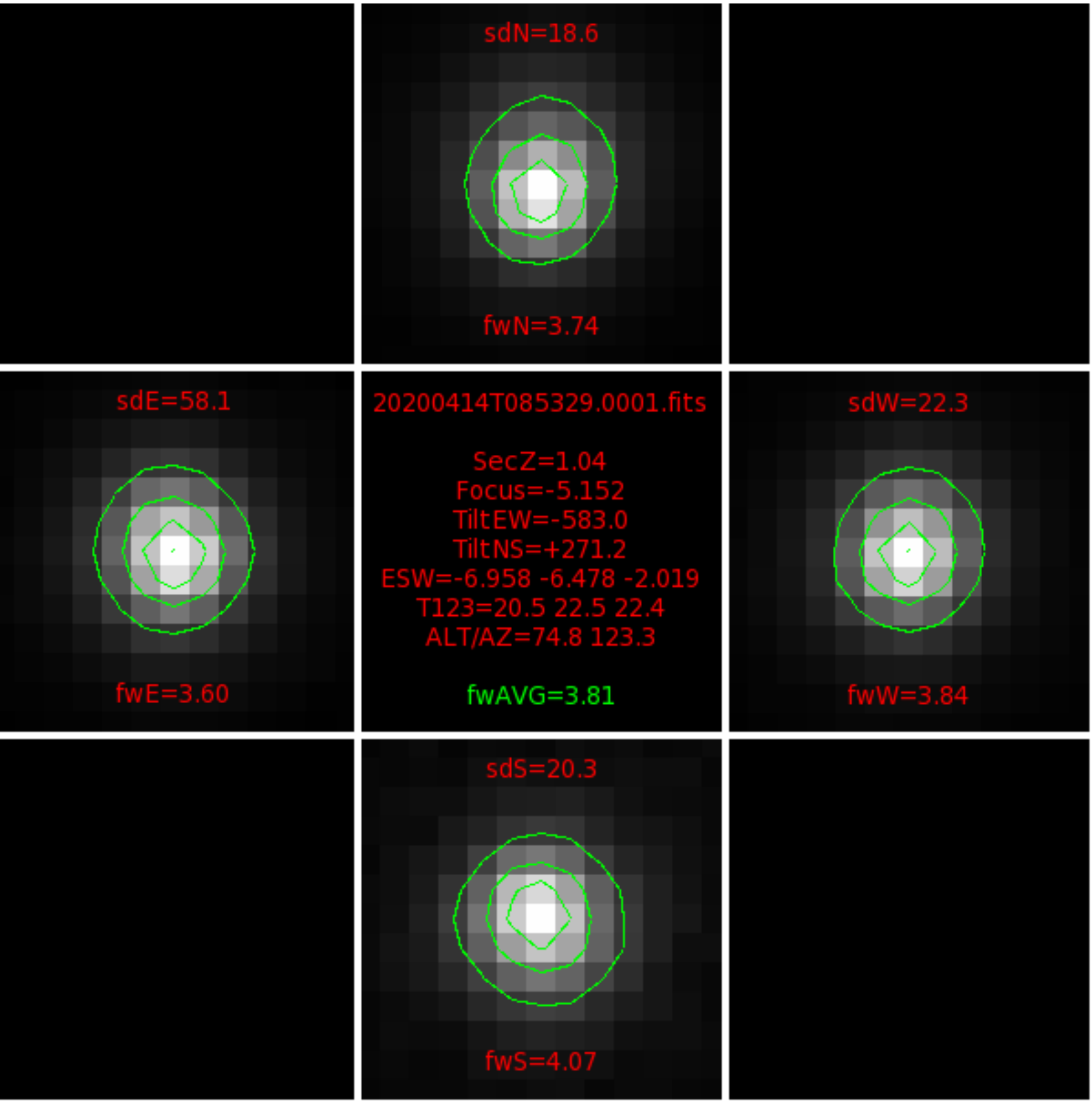

sdN=278.5
fwN=4.06
sdE=108.6
fwE=3.67
20200414T084911.0001.fits
SecZ=1.00
Focus=-5.159
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.965 -6.485 -2.026
T123=20.6 22.6 22.6
ALT/AZ=86.0 -175.0
fwAVG=3.88
sdW=199.5
fwW=3.85
sdS=1055.3
fwS=3.95
0 0 0 0 0 0 0 0 0

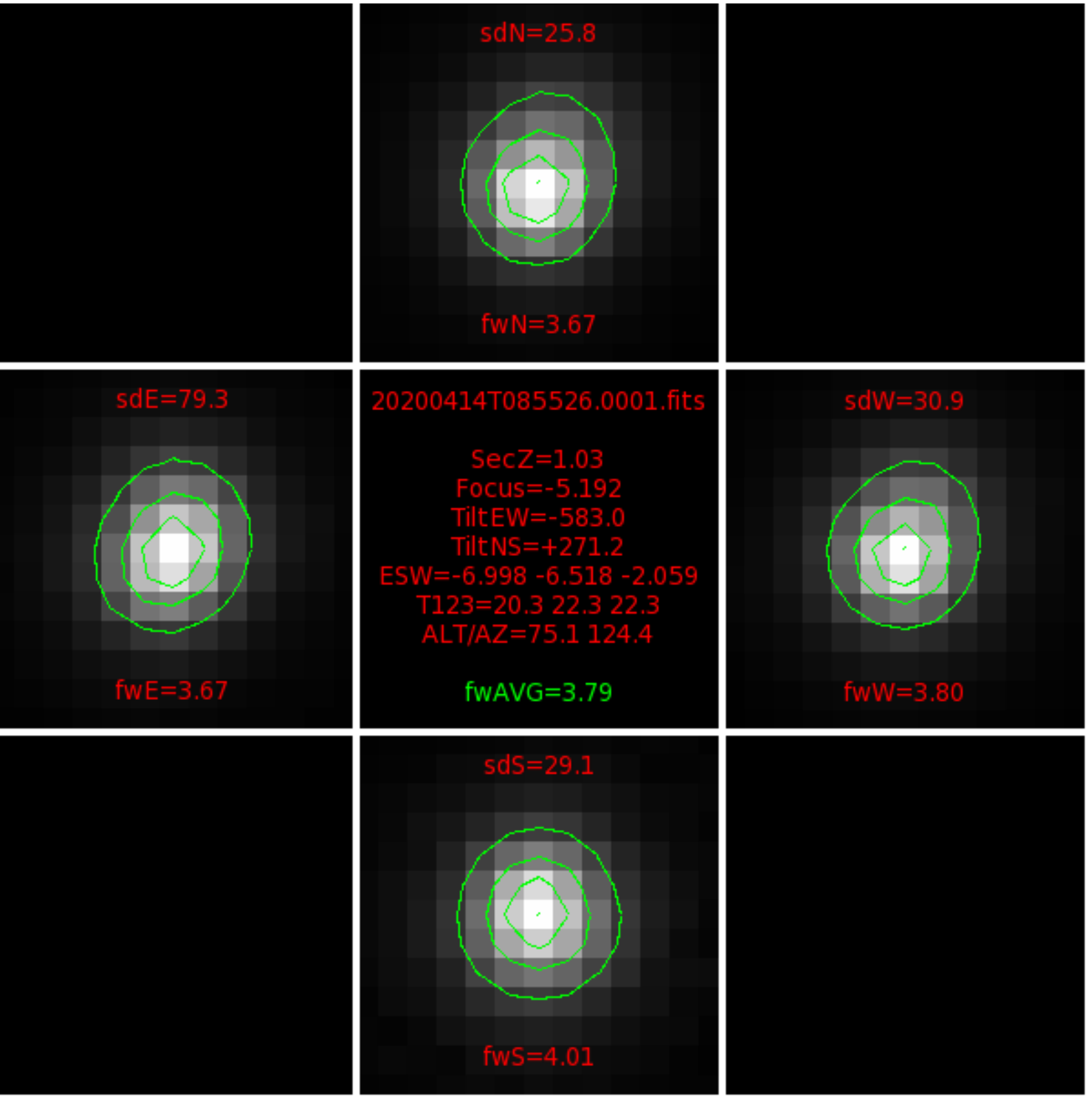

sdN=272.5
fwN=4.28
sdE=100.4
fwE=3.81
20200414T084937.0001.fits
SecZ=1.00
Focus=-5.159
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.965 -6.485 -2.026
T123=20.6 0.0 22.5
ALT/AZ=86.0 -173.6
fwAVG=4.01
sdW=164.1
fwW=4.12
sdS=953.8
fwS=3.83
0 0 0 0 0 0 0 0 0

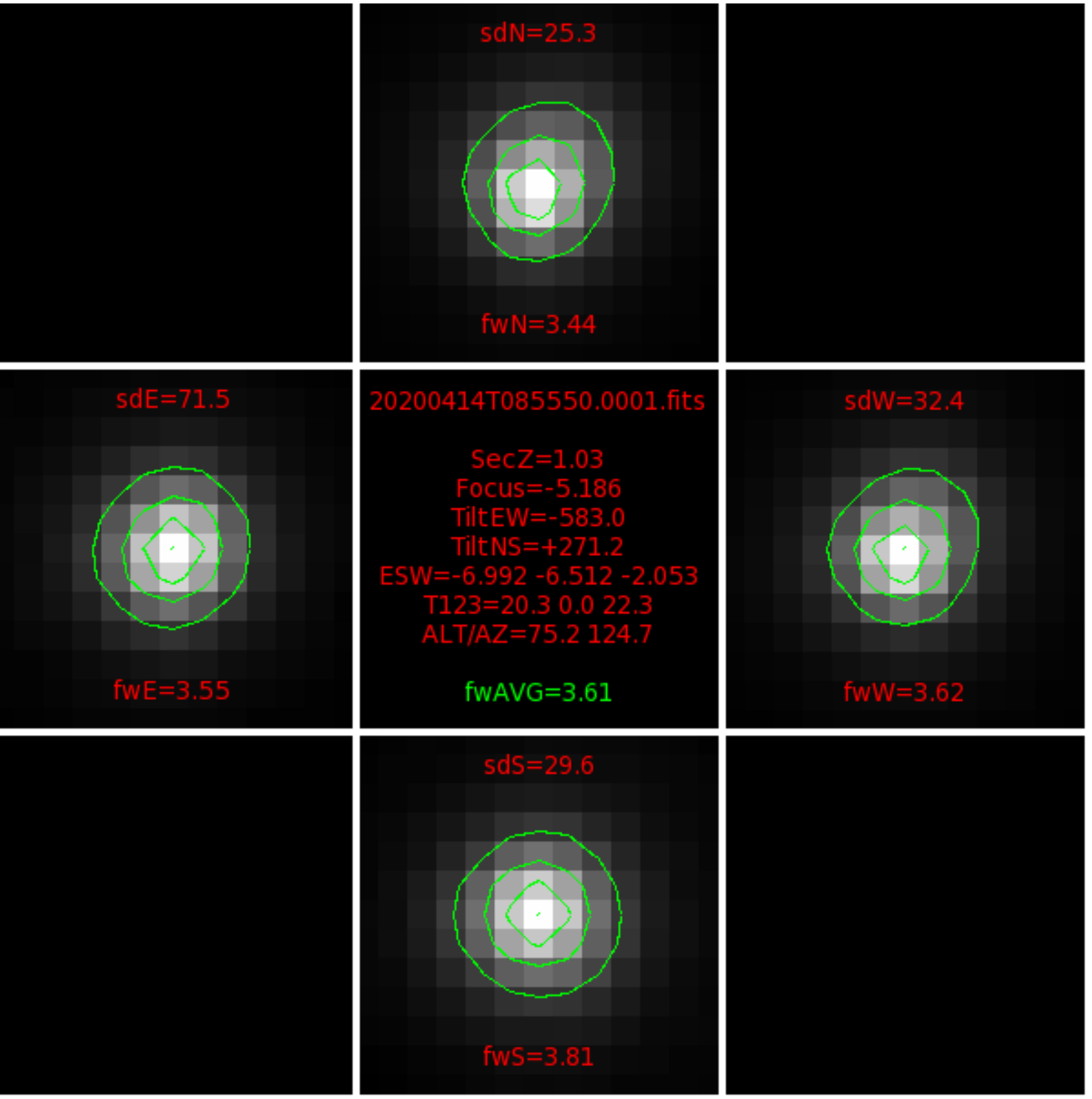

sdN=561.6
fwN=3.99
sdE=235.4
fwE=3.59
20200414T085107.0001.fits
SecZ=1.00
Focus=-5.159
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.965 -6.485 -2.026
T123=20.5 22.5 22.5
ALT/AZ=85.9 -168.9
fwAVG=3.72
sdW=264.1
fwW=3.67
sdS=1146.7
fwS=3.61
0 0 0 0 0 0 0 0 0

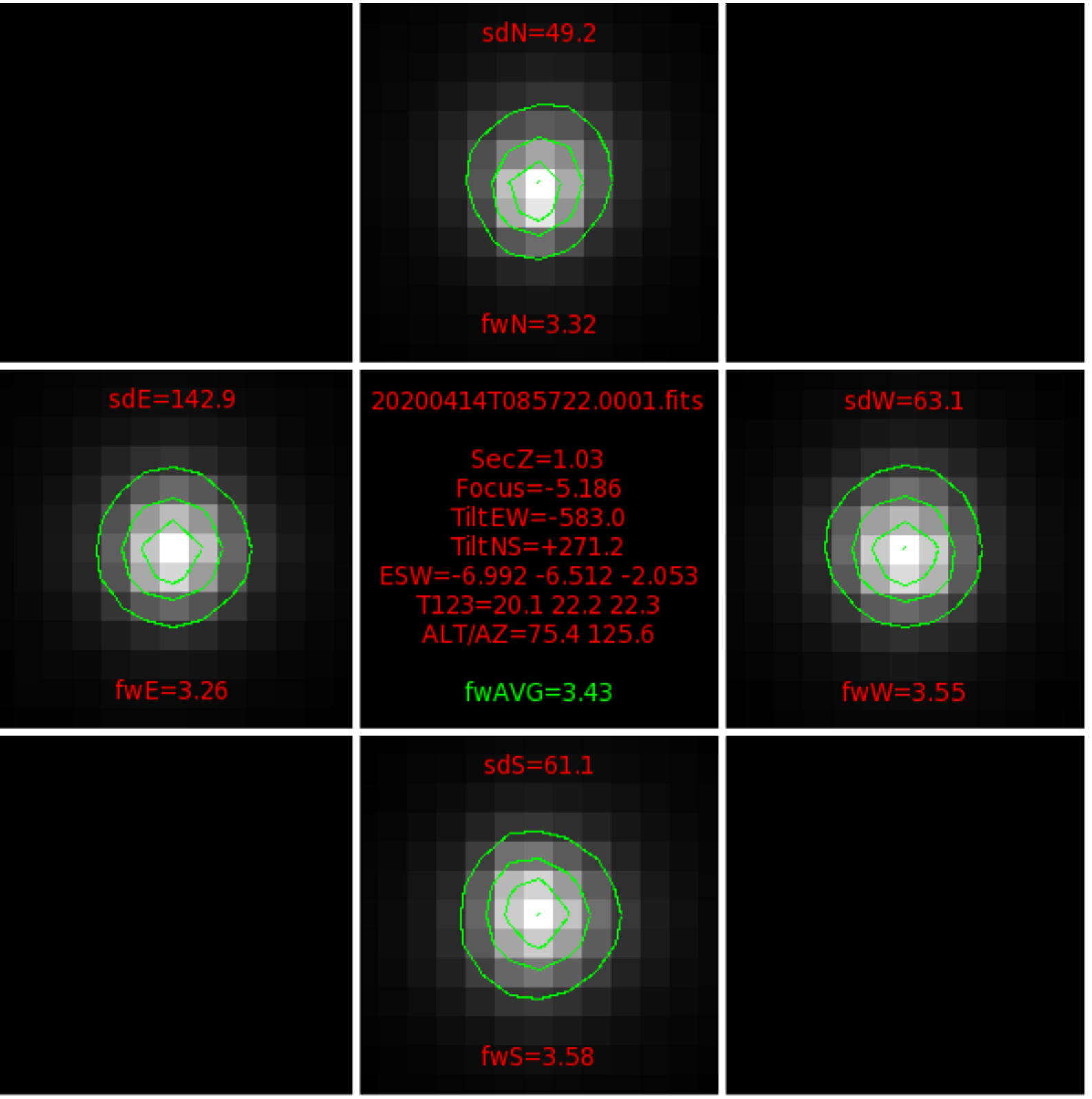

sdN=713.5
fwN=3.48
sdE=340.3
fwE=3.21
20200414T085133.0001.fits
SecZ=1.00
Focus=-5.159
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.965 -6.485 -2.026
T123=20.5 22.5 22.5
ALT/AZ=85.9 -167.6
fwAVG=3.34
sdW=319.1
fwW=3.27
sdS=1074.3
fwS=3.39
0 0 0 0 0 0 0 0 0

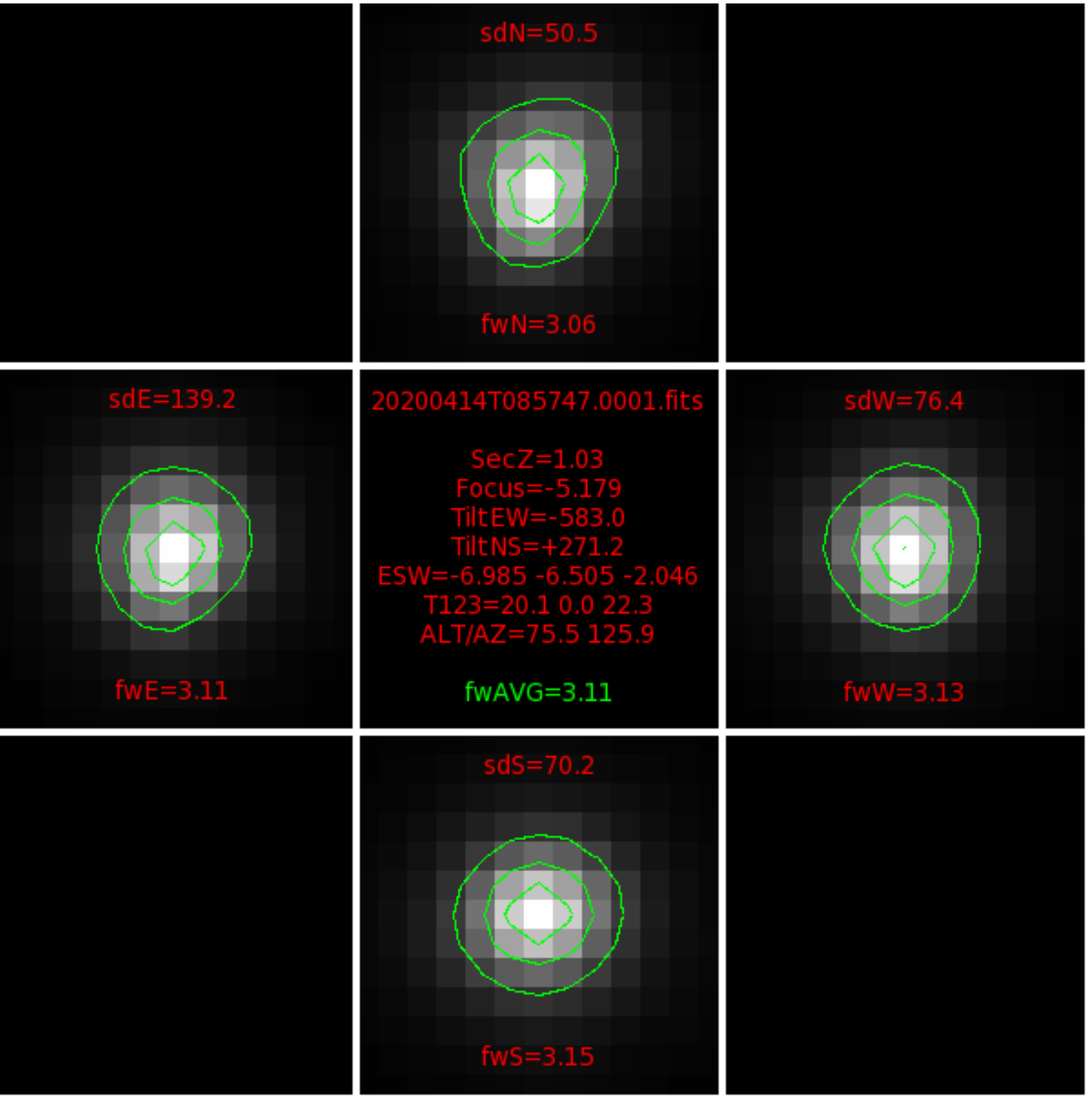

sdN=643.7
fwN=3.55
sdE=266.9
fwE=3.29
20200414T085302.0001.fits
SecZ=1.04
Focus=-5.152
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.958 -6.478 -2.019
T123=20.5 0.0 22.5
ALT/AZ=74.7 123.1
fwAVG=3.44
sdW=281.2
fwW=3.47
sdS=998.6
fwS=3.45
0 0 0 0 0 0 0 0 0

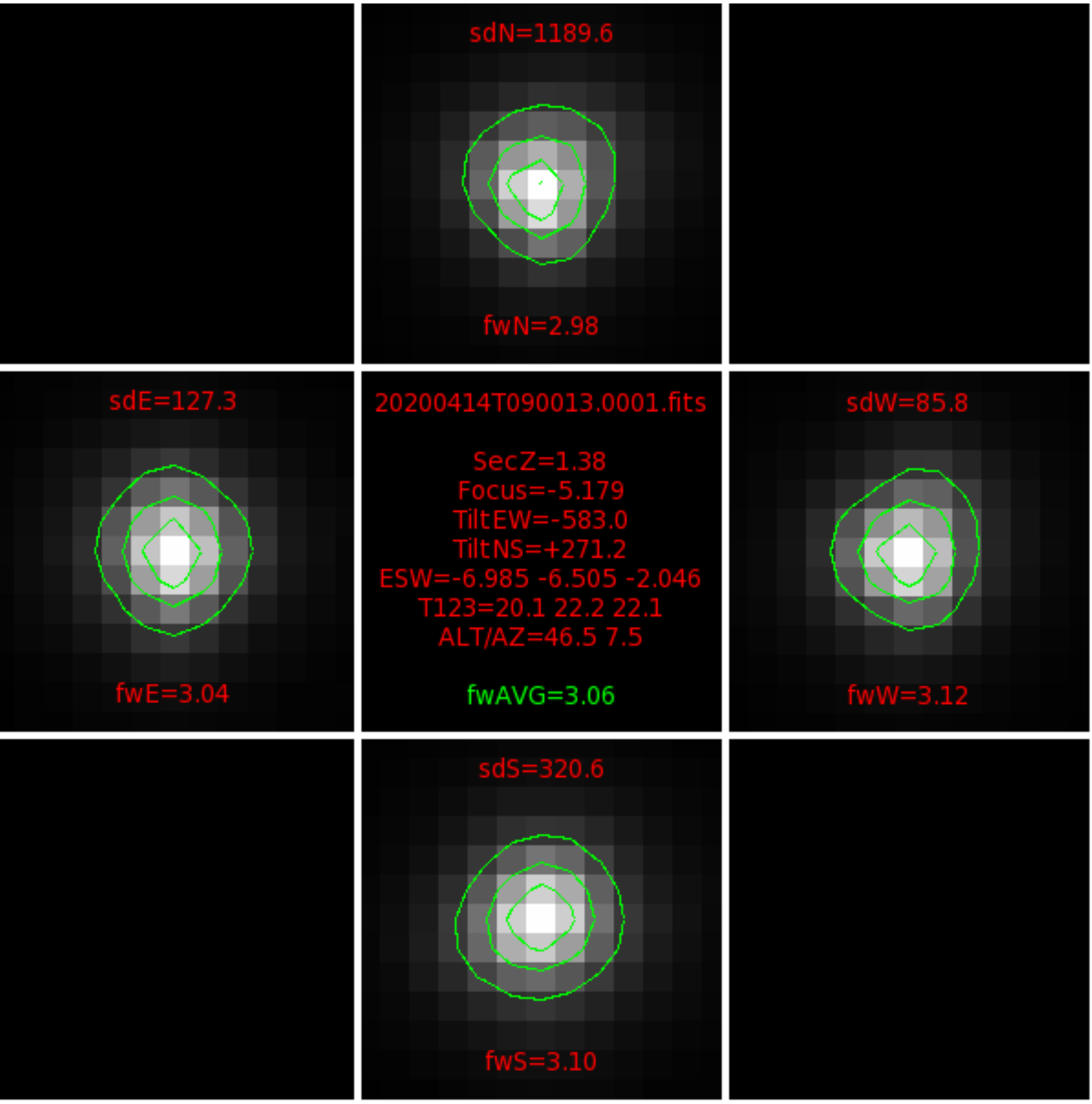

sdN=18.6
fwN=3.74
sdE=58.1
fwE=3.60
20200414T085329.0001.fits
SecZ=1.04
Focus=-5.152
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.958 -6.478 -2.019
T123=20.5 22.5 22.4
ALT/AZ=74.8 123.3
fwAVG=3.81
sdW=22.3
fwW=3.84
sdS=20.3
fwS=4.07
0 0 0 0 0 0 0 0 0


sdN=25.8
fwN=3.67
sdE=79.3
fwE=3.67
20200414T085526.0001.fits
SecZ=1.03
Focus=-5.192
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.998 -6.518 -2.059
T123=20.3 22.3 22.3
ALT/AZ=75.1 124.4
fwAVG=3.79
sdW=30.9
fwW=3.80
sdS=29.1
fwS=4.01
0 0 0 0 0 0 0 0 0


sdN=25.3
fwN=3.44
sdE=71.5
fwE=3.55
20200414T085550.0001.fits
SecZ=1.03
Focus=-5.186
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.992 -6.512 -2.053
T123=20.3 0.0 22.3
ALT/AZ=75.2 124.7
fwAVG=3.61
sdW=32.4
fwW=3.62
sdS=29.6
fwS=3.81
0 0 0 0 0 0 0 0 0


sdN=49.2
fwN=3.32
sdE=142.9
fwE=3.26
20200414T085722.0001.fits
SecZ=1.03
Focus=-5.186
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.992 -6.512 -2.053
T123=20.1 22.2 22.3
ALT/AZ=75.4 125.6
fwAVG=3.43
sdW=63.1
fwW=3.55
sdS=61.1
fwS=3.58
0 0 0 0 0 0 0 0 0


sdN=50.5
fwN=3.06
sdE=139.2
fwE=3.11
20200414T085747.0001.fits
SecZ=1.03
Focus=-5.179
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.985 -6.505 -2.046
T123=20.1 0.0 22.3
ALT/AZ=75.5 125.9
fwAVG=3.11
sdW=76.4
fwW=3.13
sdS=70.2
fwS=3.15
0 0 0 0 0 0 0 0 0


sdN=1189.6
fwN=2.98
sdE=127.3
fwE=3.04
20200414T090013.0001.fits
SecZ=1.38
Focus=-5.179
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.985 -6.505 -2.046
T123=20.1 22.2 22.1
ALT/AZ=46.5 7.5
fwAVG=3.06
sdW=85.8
fwW=3.12
sdS=320.6
fwS=3.10
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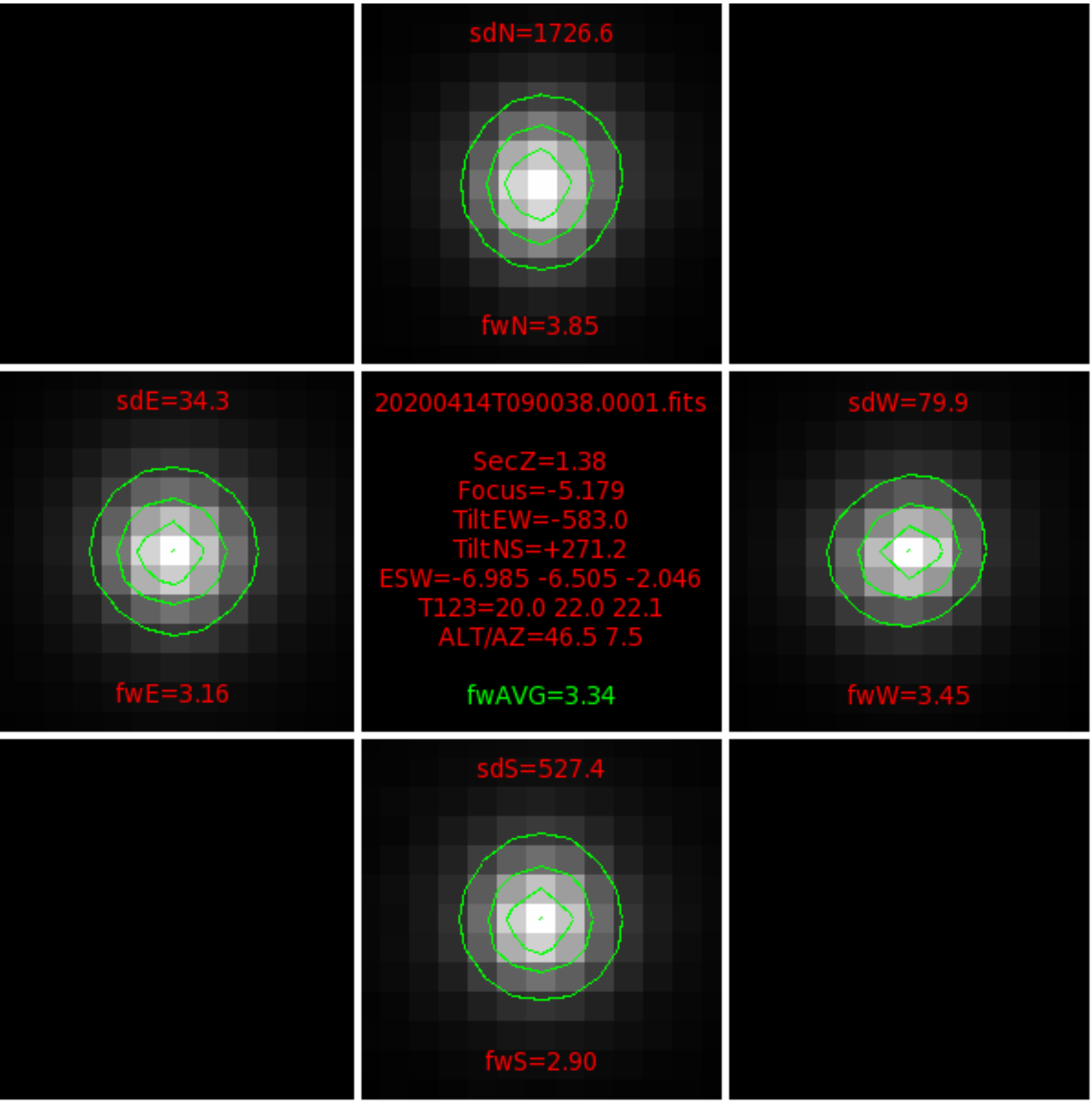
sdN=1726.6
fwN=3.85
sdE=34.3
fwE=3.16
20200414T090038.0001.fits
SecZ=1.38
Focus=-5.179
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.985 -6.505 -2.046
T123=20.0 22.0 22.1
ALT/AZ=46.5 7.5
fwAVG=3.34
sdW=79.9
fwW=3.45
sdS=527.4
fwS=2.90
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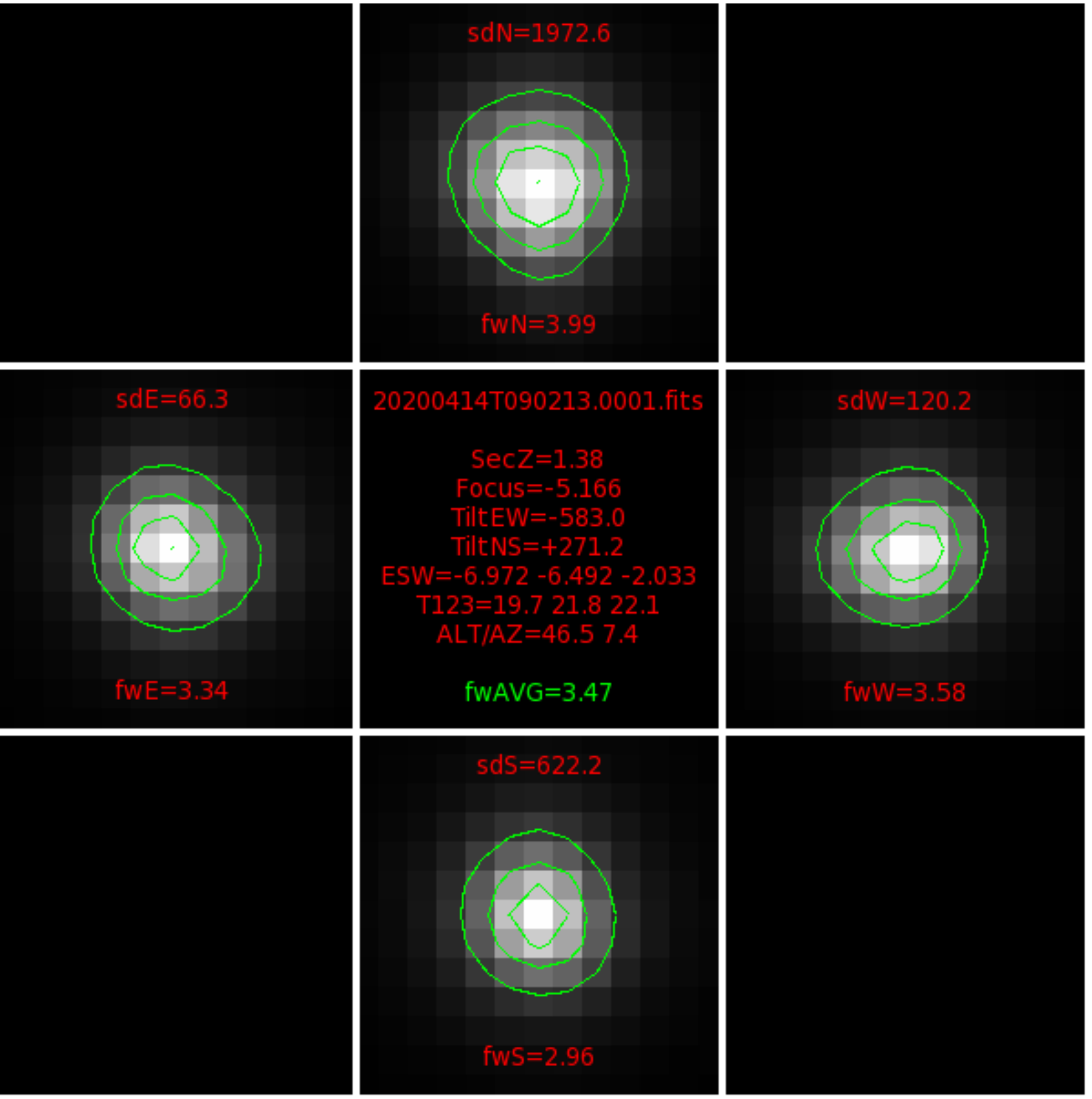
sdN=1972.6
fwN=3.99
sdE=66.3
fwE=3.34
20200414T090213.0001.fits
SecZ=1.38
Focus=-5.166
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.972 -6.492 -2.033
T123=19.7 21.8 22.1
ALT/AZ=46.5 7.4
fwAVG=3.47
sdW=120.2
fwW=3.58
sdS=622.2
fwS=2.96
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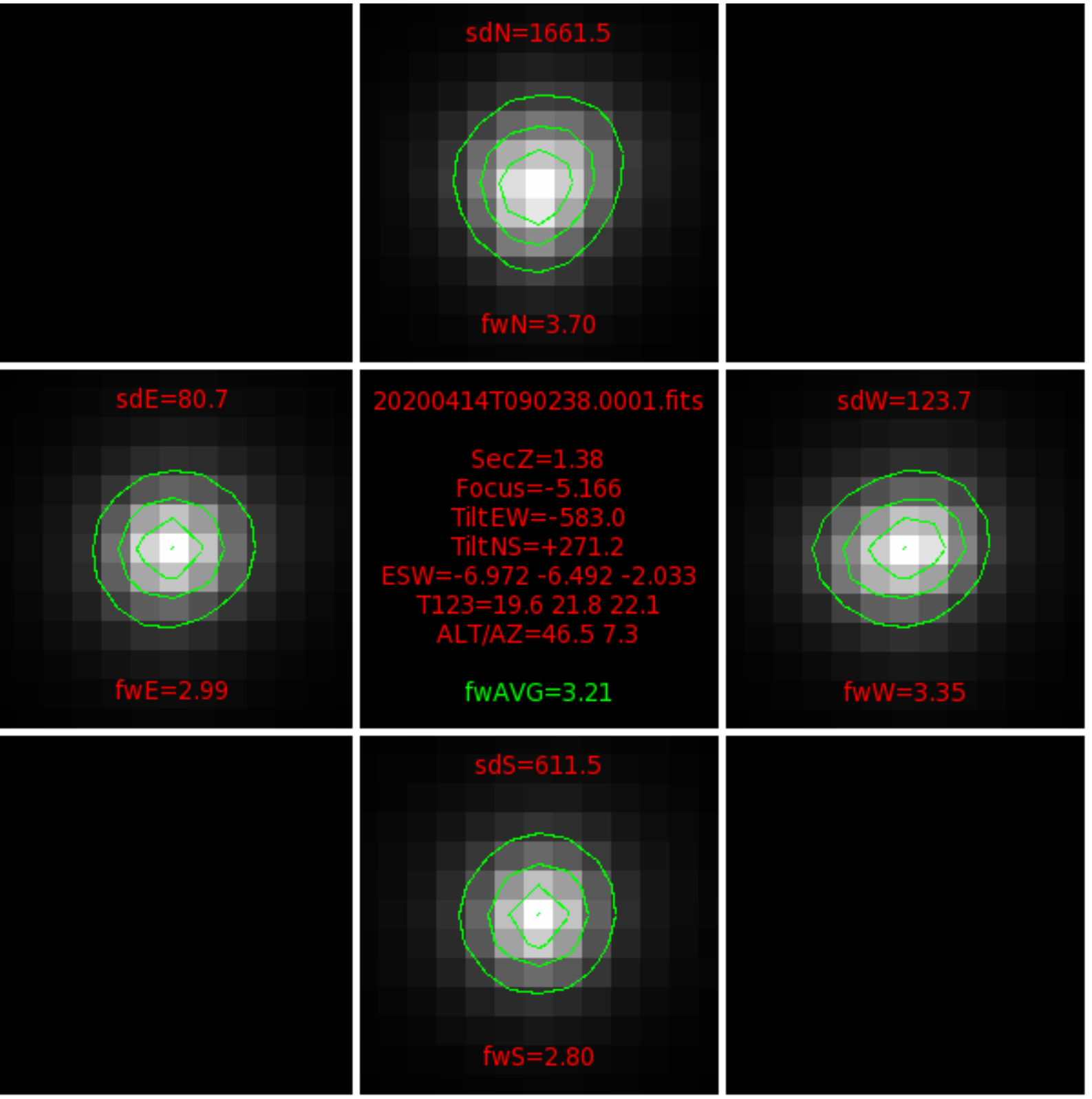
sdN=1661.5
fwN=3.70
sdE=80.7
fwE=2.99
20200414T090238.0001.fits
SecZ=1.38
Focus=-5.166
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.972 -6.492 -2.033
T123=19.6 21.8 22.1
ALT/AZ=46.5 7.3
fwAVG=3.21
sdW=123.7
fwW=3.35
sdS=611.5
fwS=2.80
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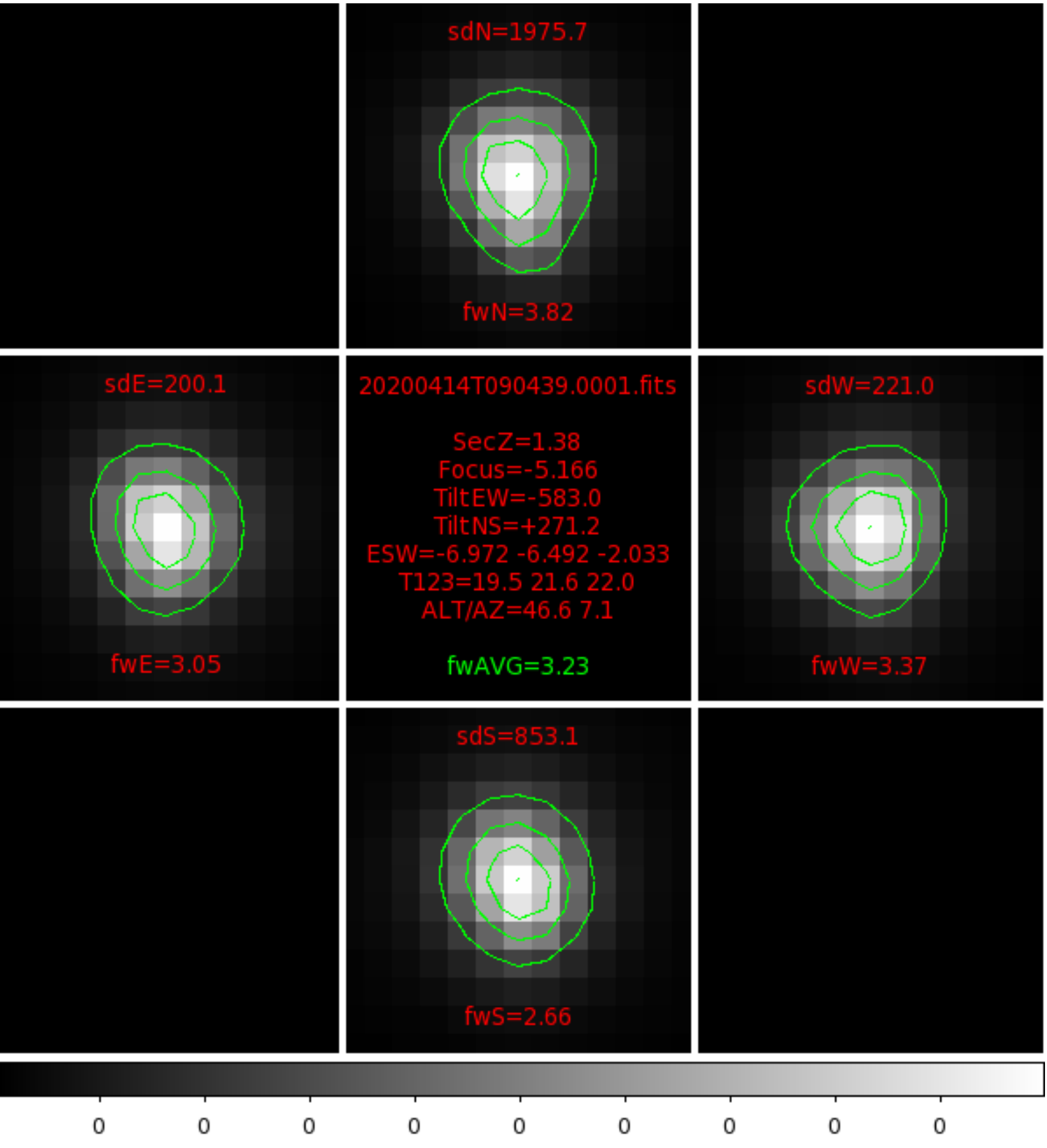
sdN=1975.7
fwN=3.82
sdE=200.1
fwE=3.05
20200414T090439.0001.fits
SecZ=1.38
Focus=-5.166
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.972 -6.492 -2.033
T123=19.5 21.6 22.0
ALT/AZ=46.6 7.1
fwAVG=3.23
sdW=221.0
fwW=3.37
sdS=853.1
fwS=2.66
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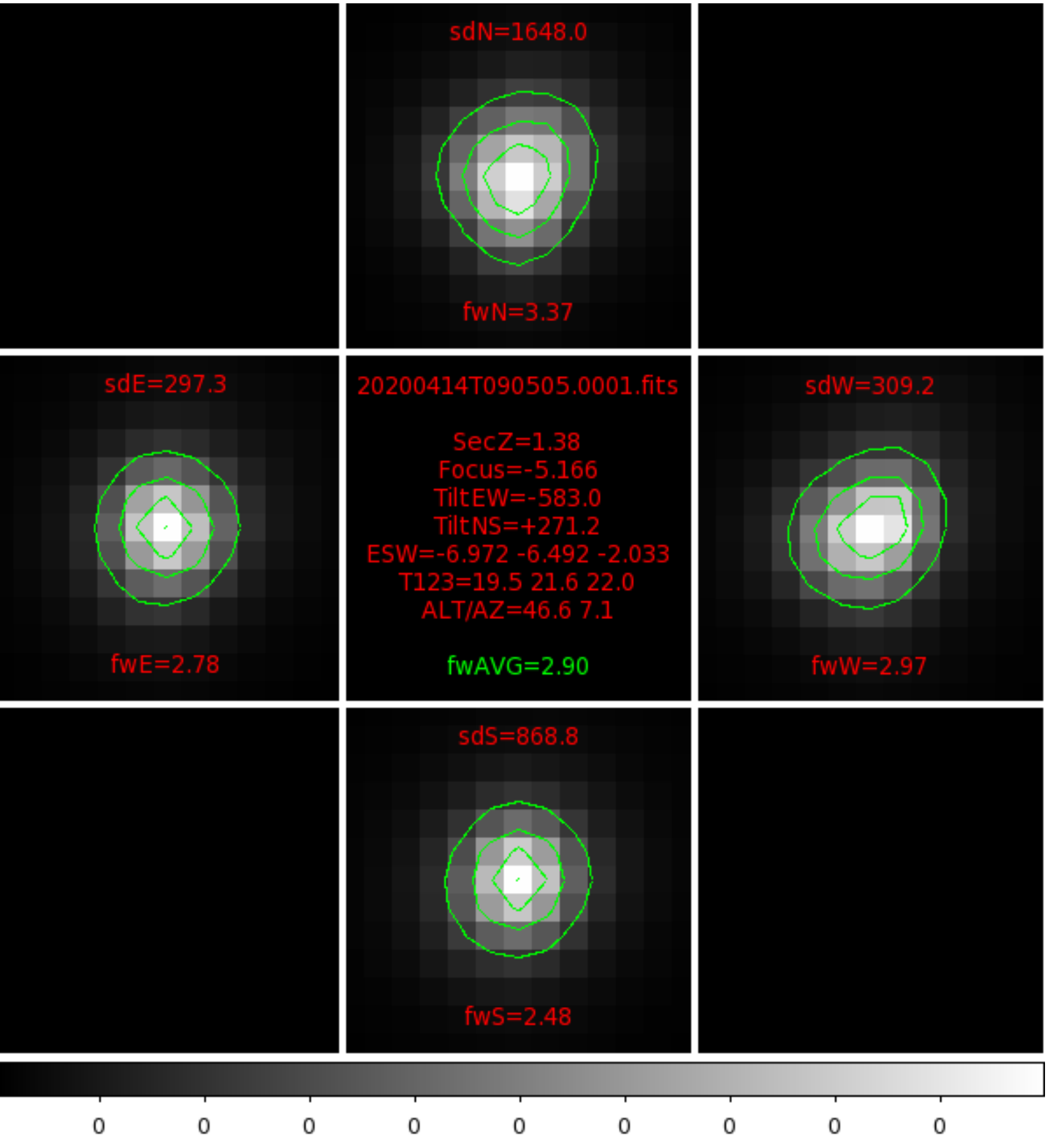
sdN=1648.0
fwN=3.37
sdE=297.3
fwE=2.78
20200414T090505.0001.fits
SecZ=1.38
Focus=-5.166
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.972 -6.492 -2.033
T123=19.5 21.6 22.0
ALT/AZ=46.6 7.1
fwAVG=2.90
sdW=309.2
fwW=2.97
sdS=868.8
fwS=2.48
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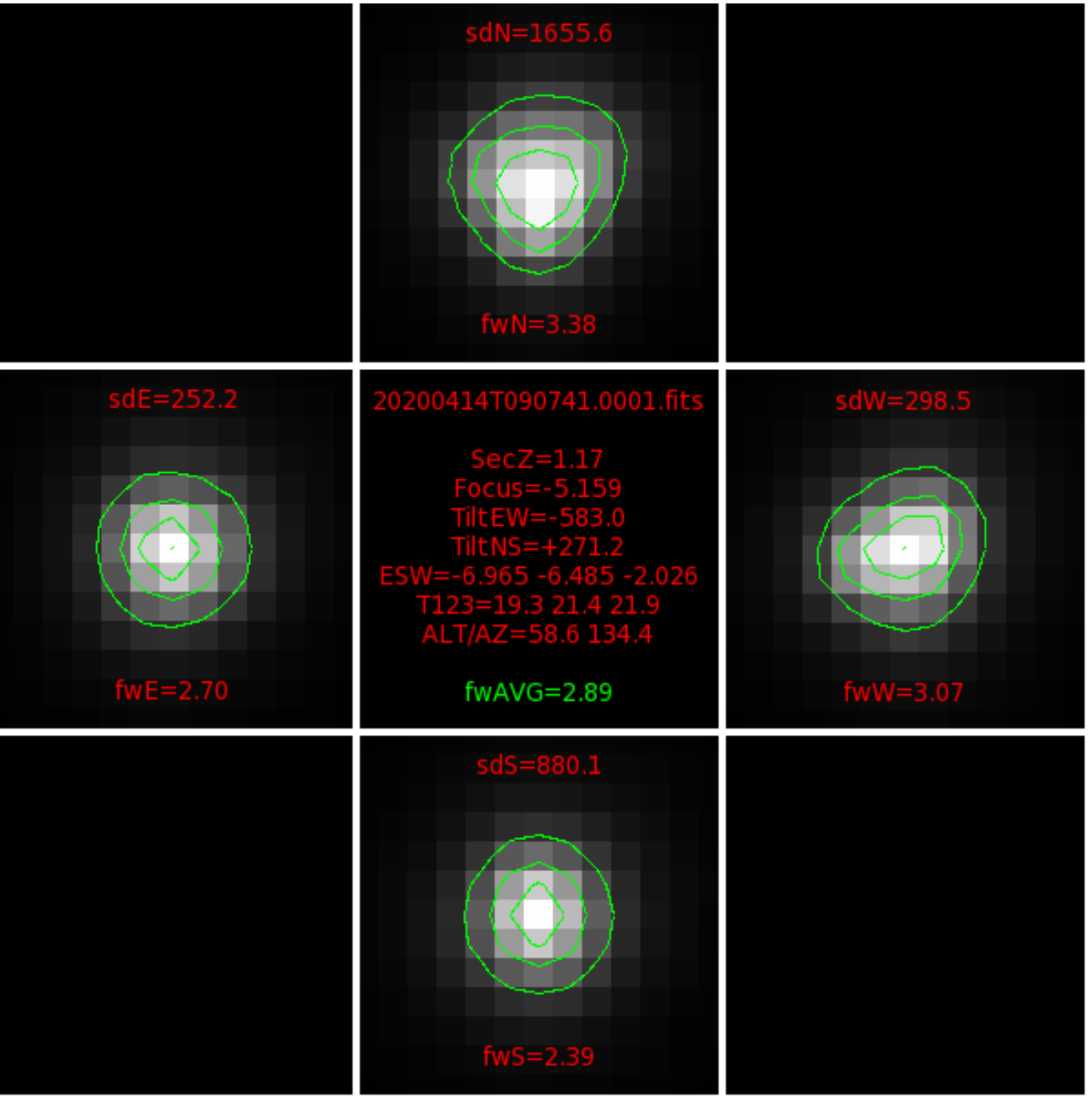
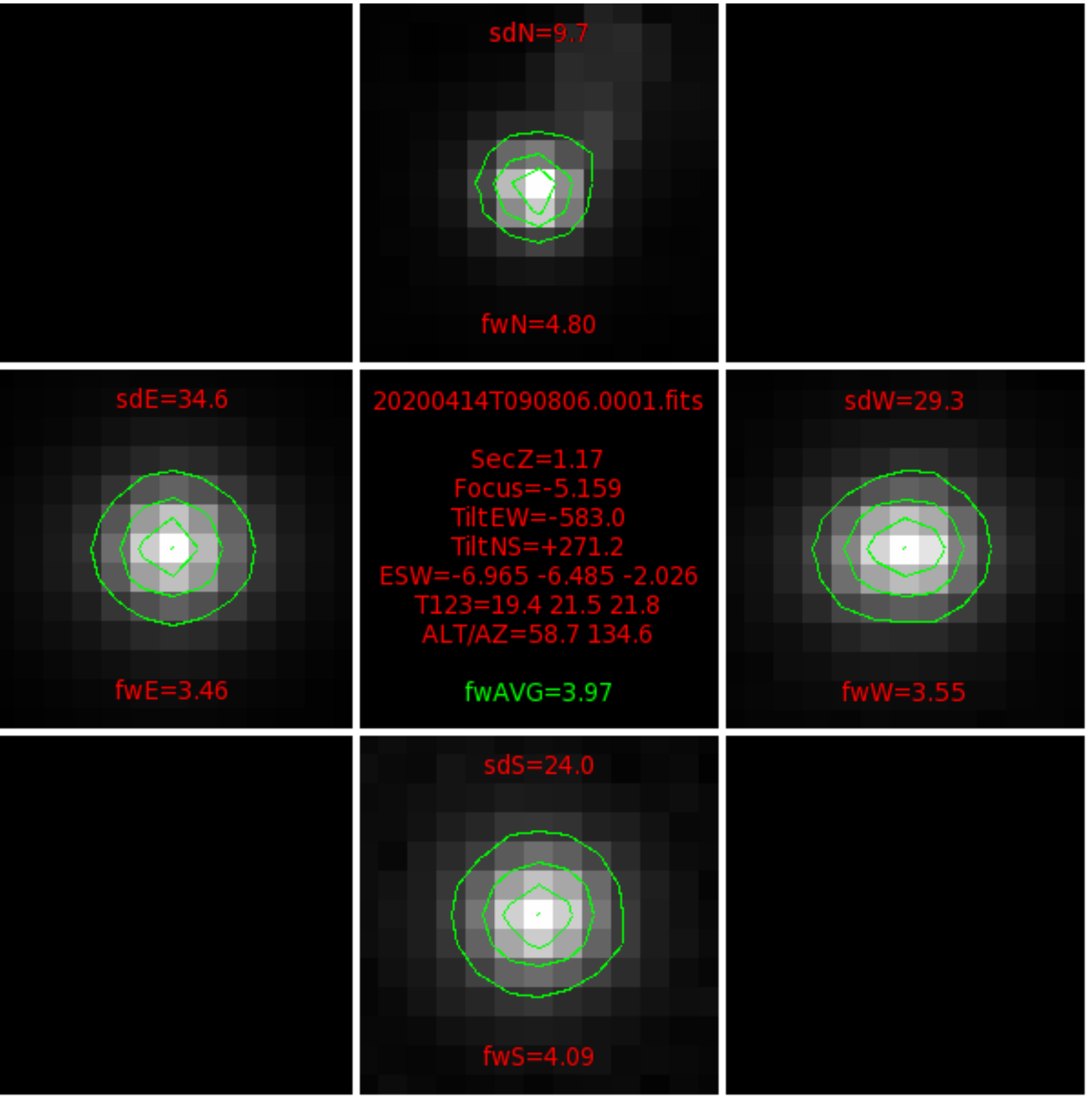
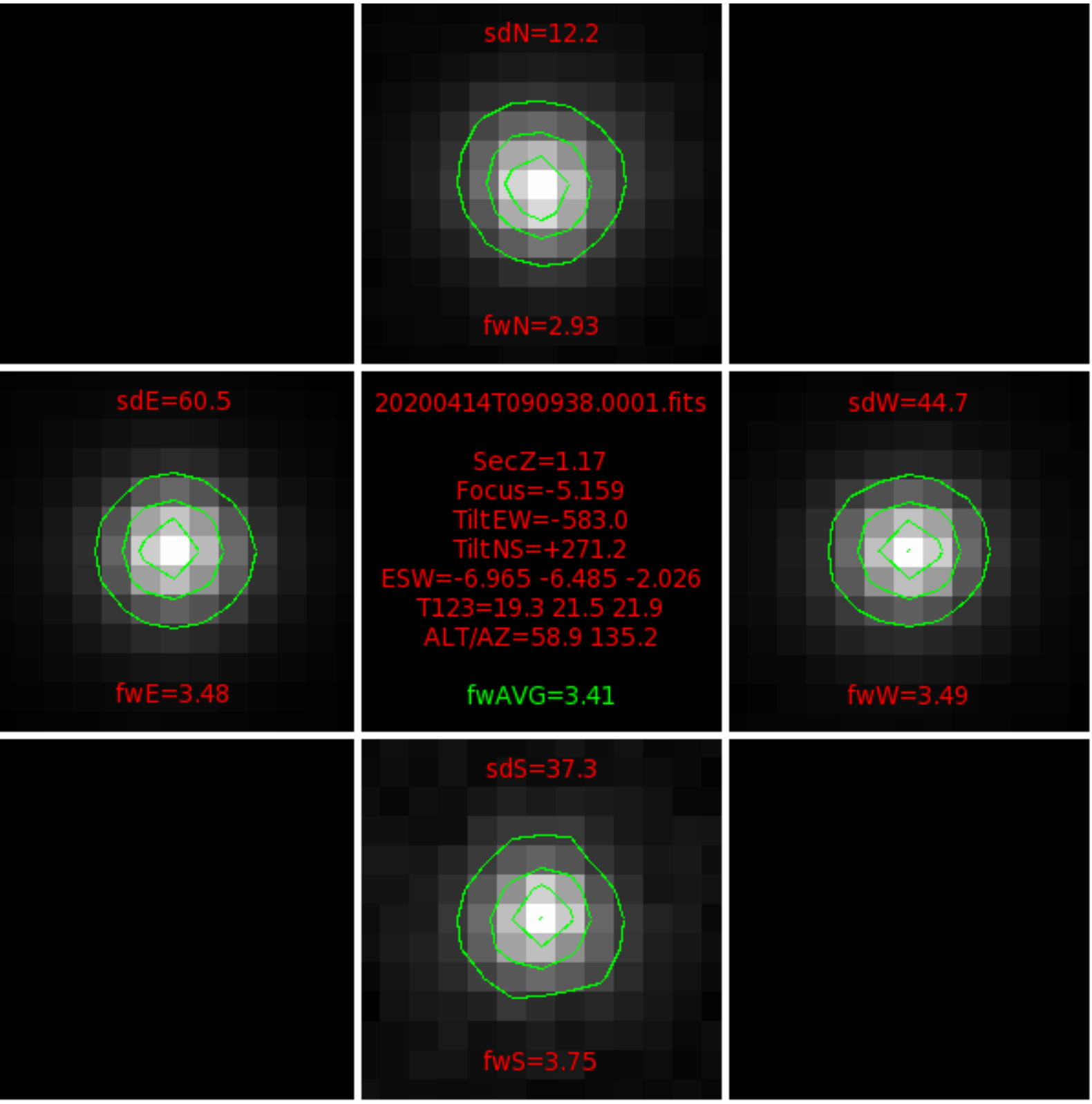

sdN=1655.6
fwN=3.38
sdE=252.2
fwE=2.70
20200414T090741.0001.fits
SecZ=1.17
Focus=-5.159
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.965 -6.485 -2.026
T123=19.3 21.4 21.9
ALT/AZ=58.6 134.4
fwAVG=2.89
sdW=298.5
fwW=3.07
sdS=880.1
fwS=2.39
0 0 0 0 0 0 0 0 0


sdN=9.7
fwN=4.80
sdE=34.6
fwE=3.46
20200414T090806.0001.fits
SecZ=1.17
Focus=-5.159
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.965 -6.485 -2.026
T123=19.4 21.5 21.8
ALT/AZ=58.7 134.6
fwAVG=3.97
sdW=29.3
fwW=3.55
sdS=24.0
fwS=4.09
0 0 0 0 0 0 0 0 0


sdN=12.2
fwN=2.93
sdE=60.5
fwE=3.48
20200414T090938.0001.fits
SecZ=1.17
Focus=-5.159
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.965 -6.485 -2.026
T123=19.3 21.5 21.9
ALT/AZ=58.9 135.2
fwAVG=3.41
sdW=44.7
fwW=3.49
sdS=37.3
fwS=3.75
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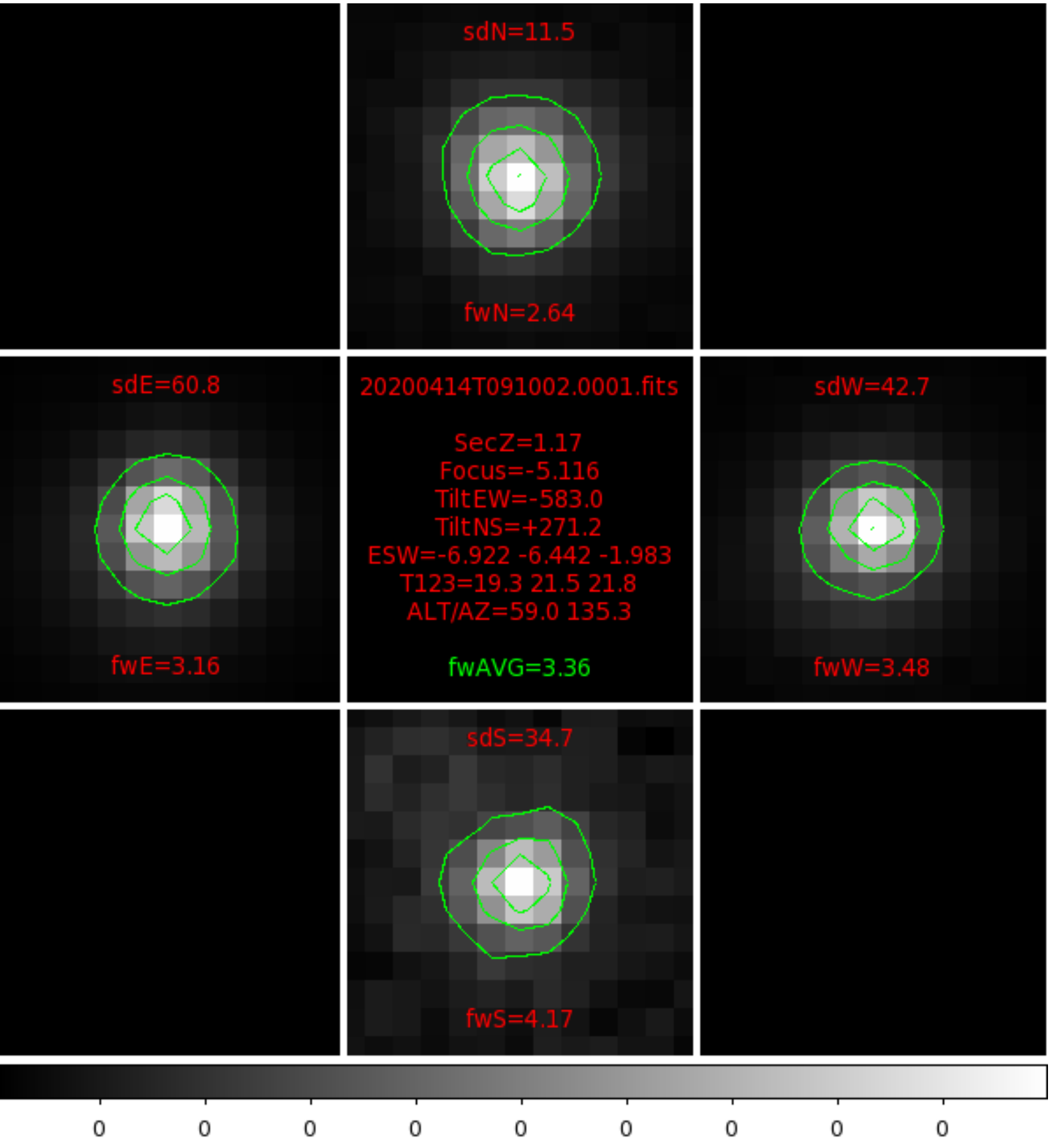
sdN=11.5
fwN=2.64
sdE=60.8
fwE=3.16
20200414T091002.0001.fits
SecZ=1.17
Focus=-5.116
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.922 -6.442 -1.983
T123=19.3 21.5 21.8
ALT/AZ=59.0 135.3
fwAVG=3.36
sdW=42.7
fwW=3.48
sdS=34.7
fwS=4.17
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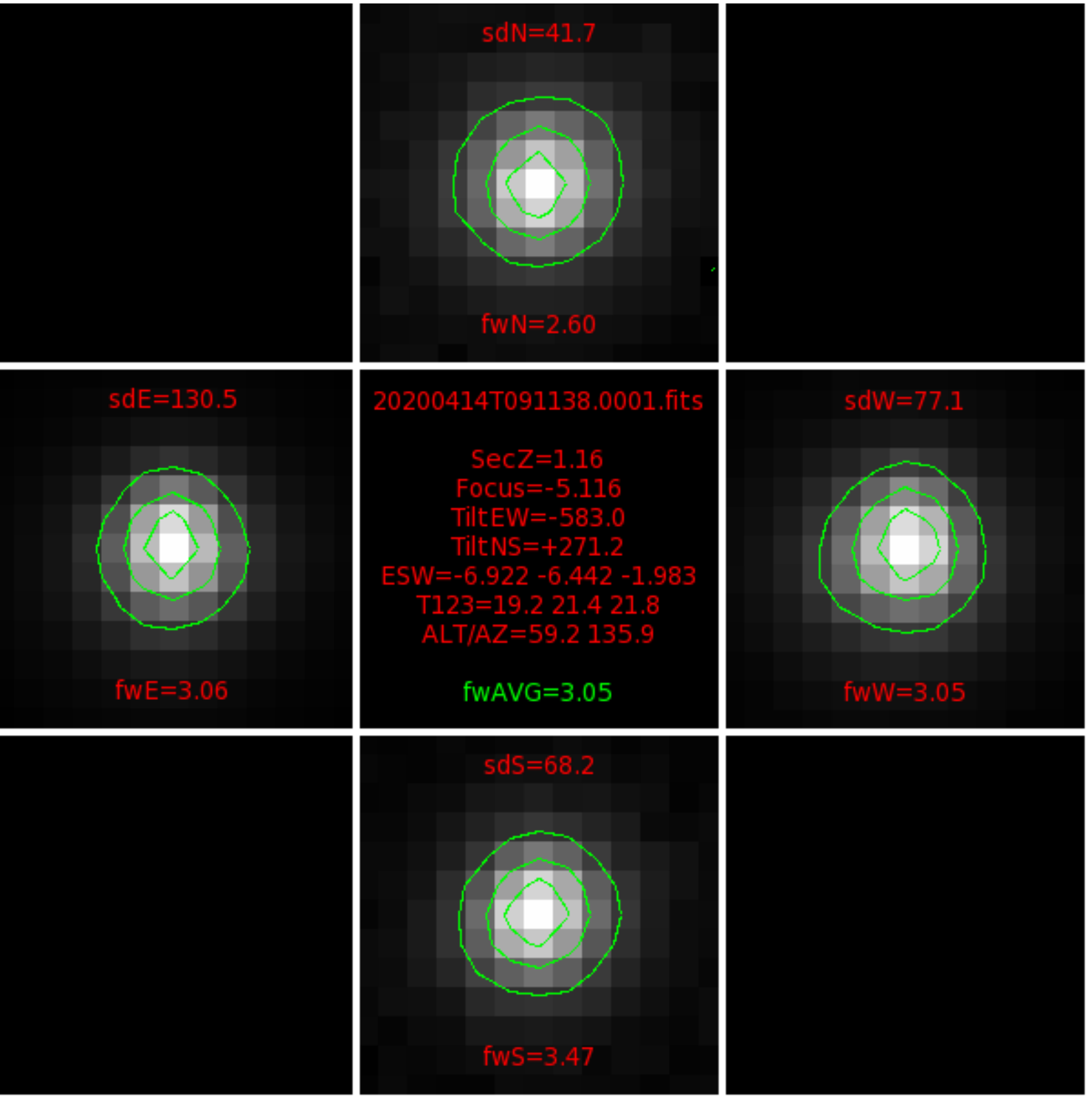
sdN=41.7
fwN=2.60
sdE=130.5
fwE=3.06
20200414T091138.0001.fits
SecZ=1.16
Focus=-5.116
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.922 -6.442 -1.983
T123=19.2 21.4 21.8
ALT/AZ=59.2 135.9
fwAVG=3.05
sdW=77.1
fwW=3.05
sdS=68.2
fwS=3.47
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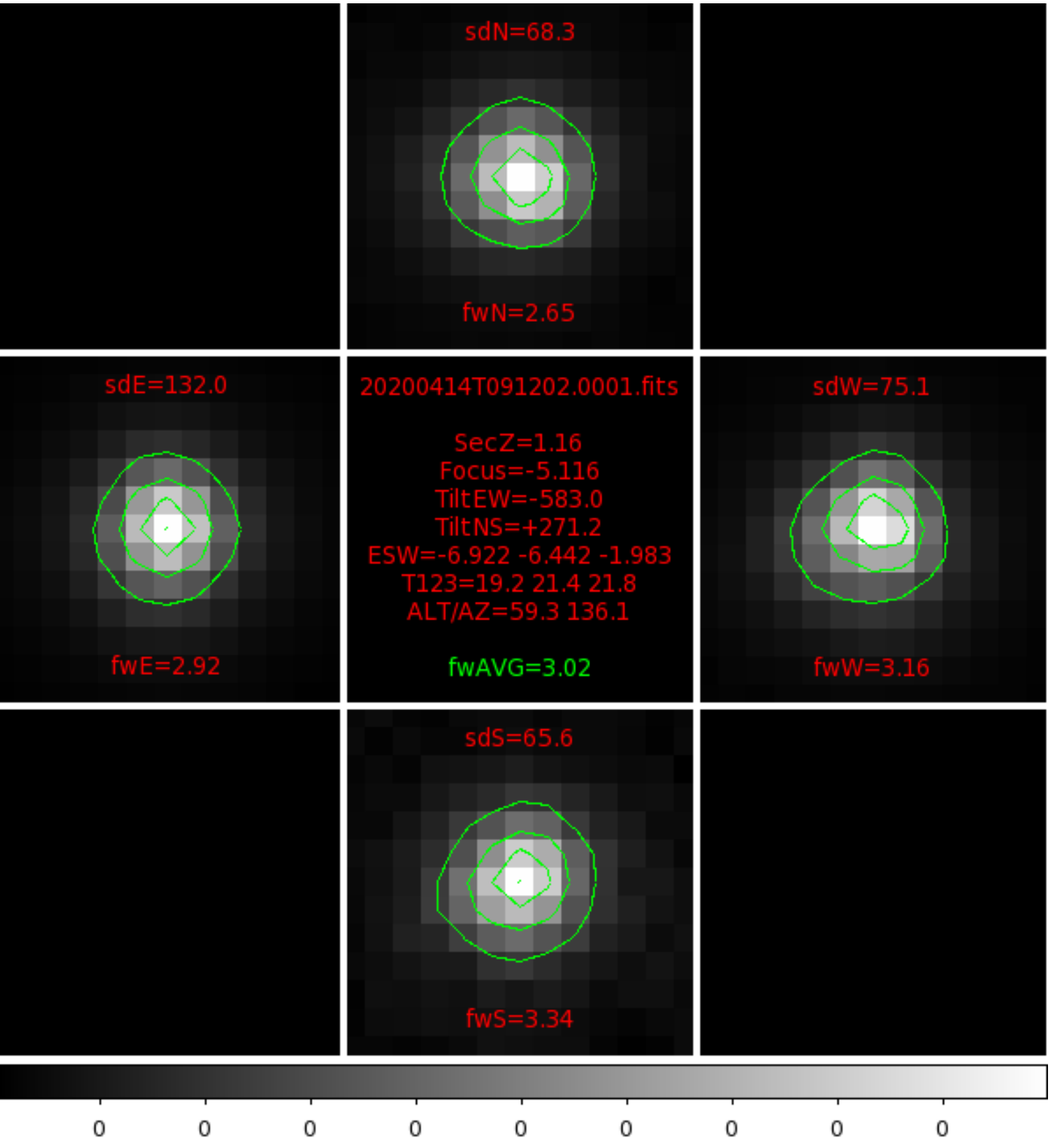
sdN=68.3
fwN=2.65
sdE=132.0
fwE=2.92
20200414T091202.0001.fits
SecZ=1.16
Focus=-5.116
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.922 -6.442 -1.983
T123=19.2 21.4 21.8
ALT/AZ=59.3 136.1
fwAVG=3.02
sdW=75.1
fwW=3.16
sdS=65.6
fwS=3.34
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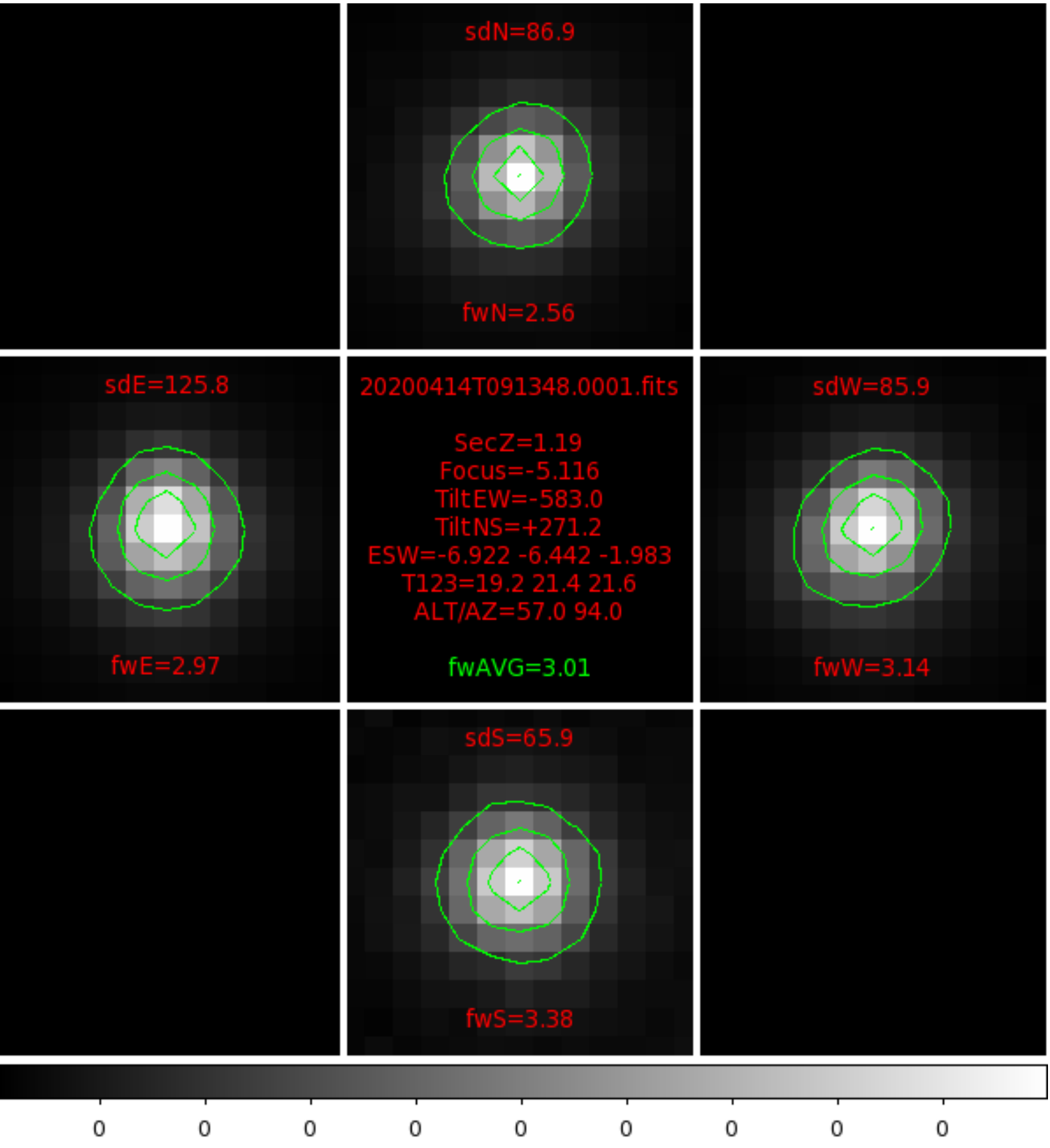
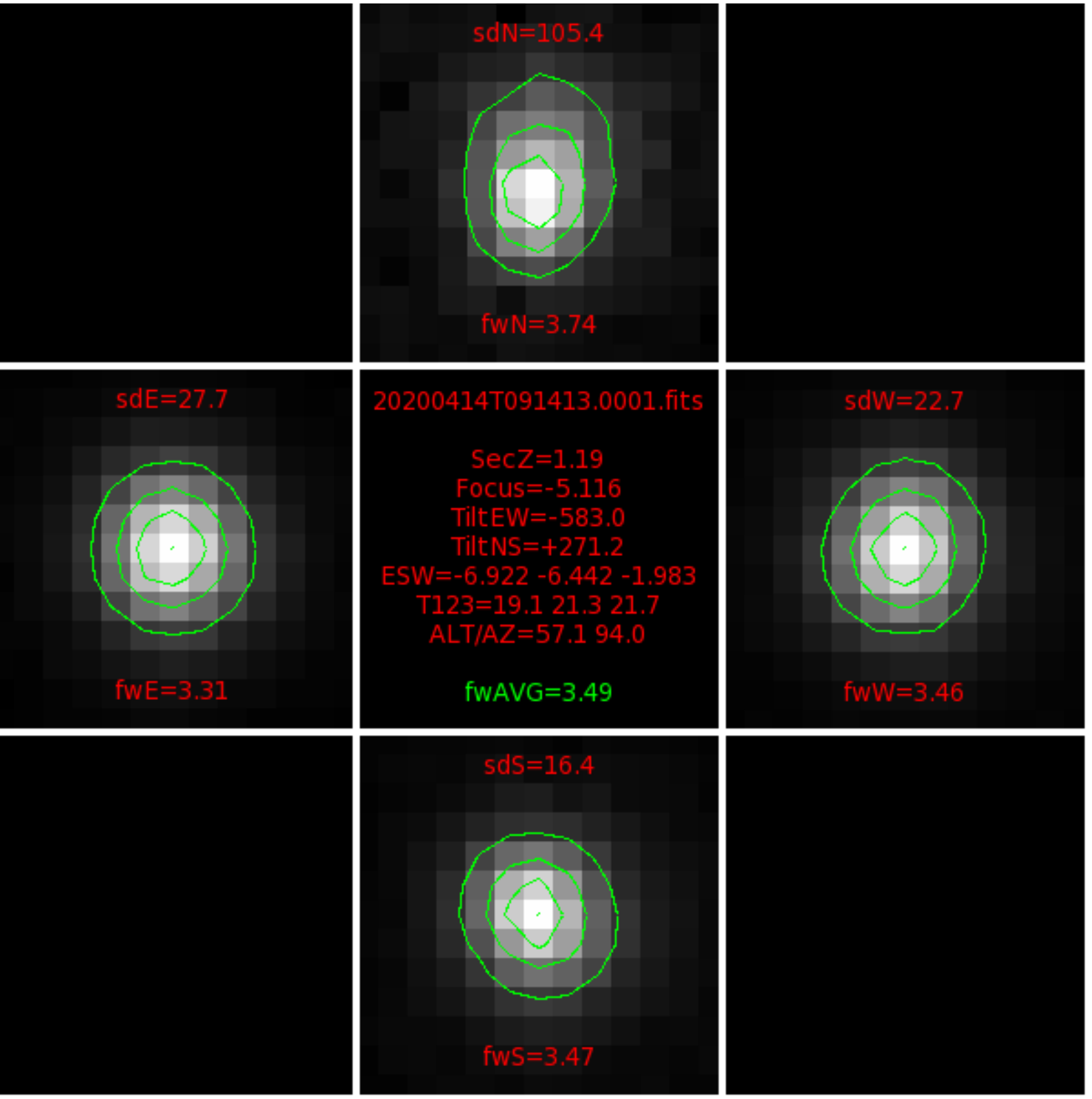
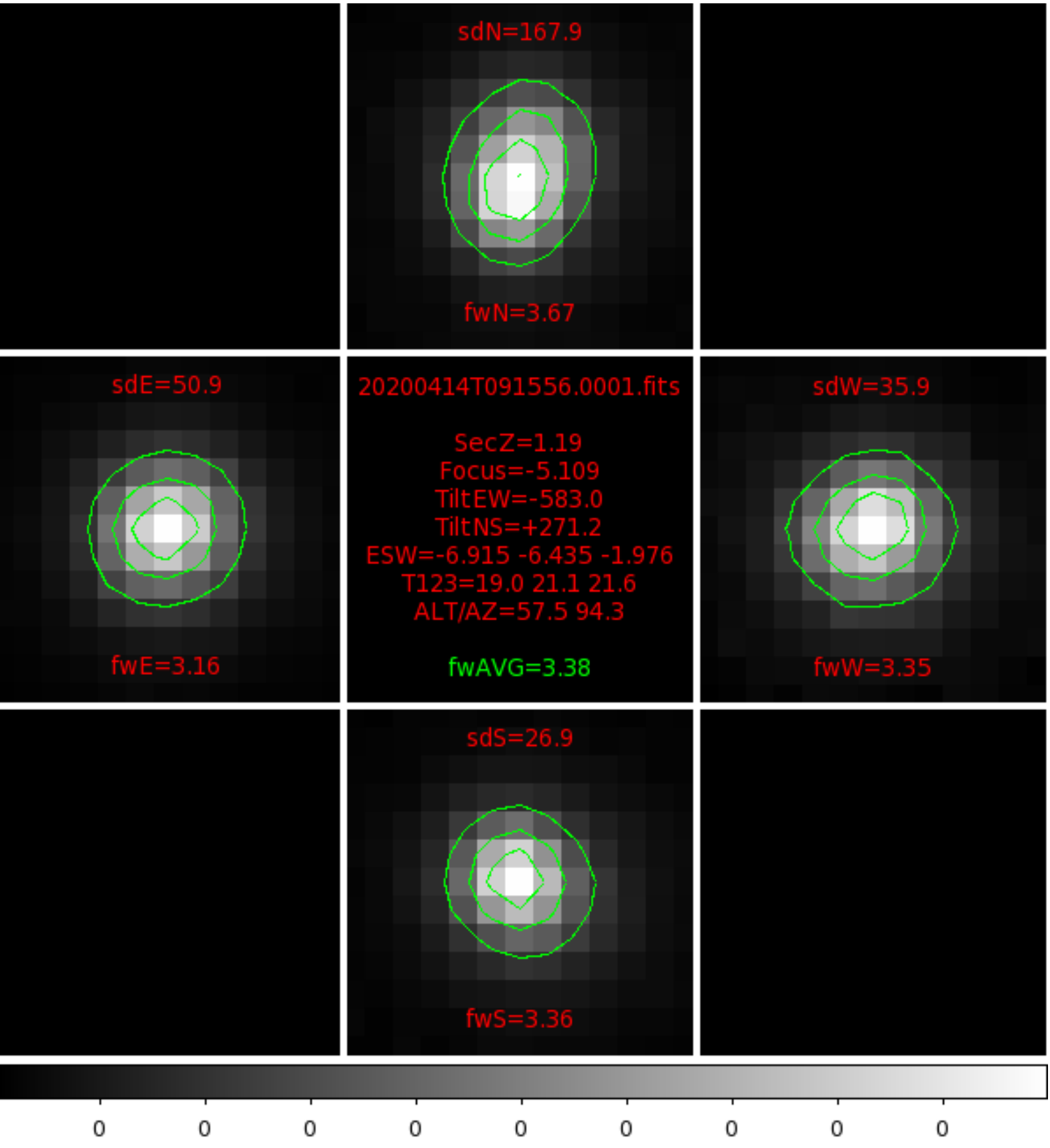

sdN=86.9
fwN=2.56
sdE=125.8
fwE=2.97
20200414T091348.0001.fits
SecZ=1.19
Focus=-5.116
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.922 -6.442 -1.983
T123=19.2 21.4 21.6
ALT/AZ=57.0 94.0
fwAVG=3.01
sdW=85.9
fwW=3.14
sdS=65.9
fwS=3.38
0 0 0 0 0 0 0 0 0


sdN=105.4
fwN=3.74
sdE=27.7
fwE=3.31
20200414T091413.0001.fits
SecZ=1.19
Focus=-5.116
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.922 -6.442 -1.983
T123=19.1 21.3 21.7
ALT/AZ=57.1 94.0
fwAVG=3.49
sdW=22.7
fwW=3.46
sdS=16.4
fwS=3.47
0 0 0 0 0 0 0 0 0


sdN=167.9
fwN=3.67
sdE=50.9
fwE=3.16
20200414T091556.0001.fits
SecZ=1.19
Focus=-5.109
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.915 -6.435 -1.976
T123=19.0 21.1 21.6
ALT/AZ=57.5 94.3
fwAVG=3.38
sdW=35.9
fwW=3.35
sdS=26.9
fwS=3.36
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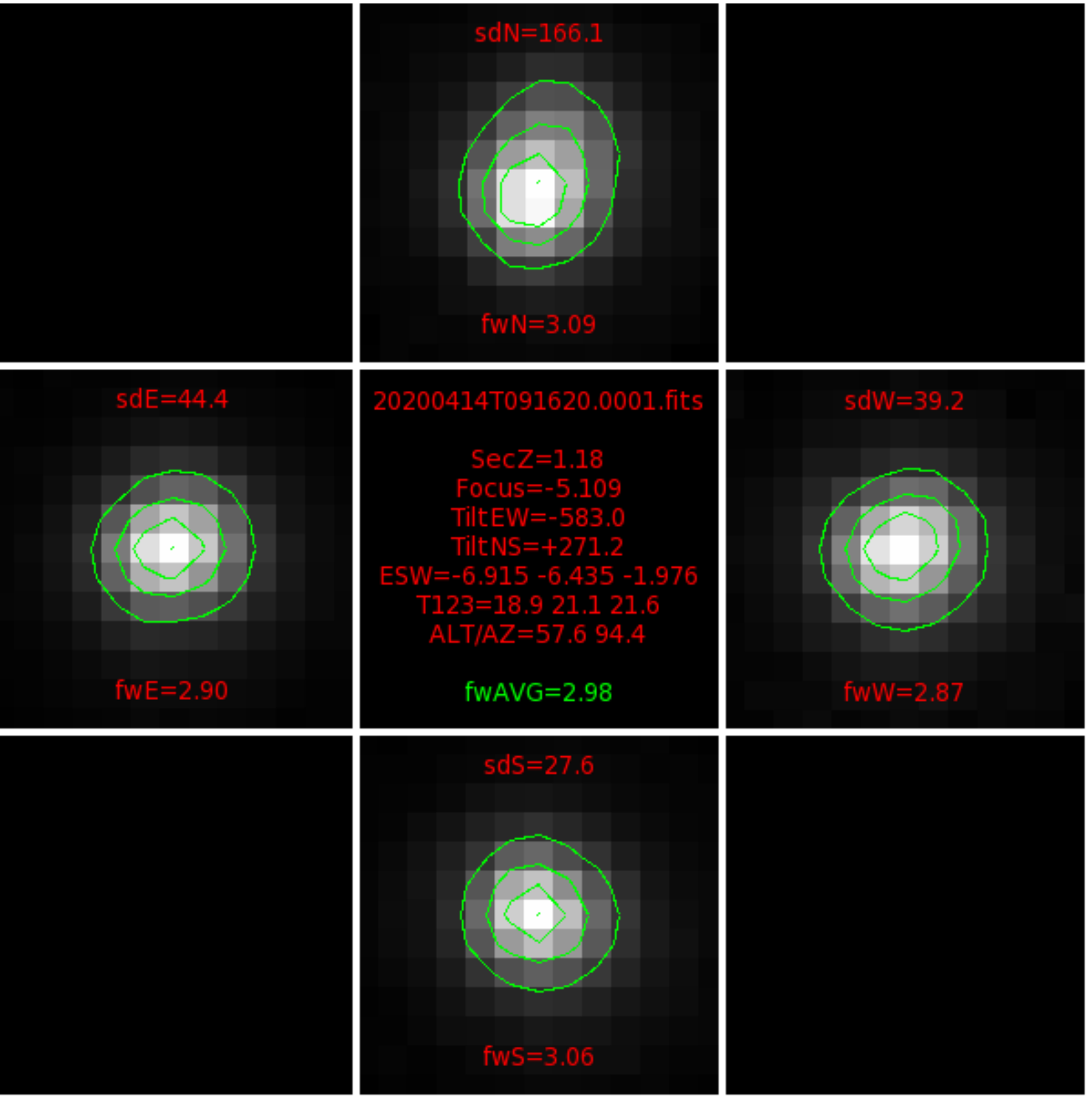
sdN=166.1
fwN=3.09
sdE=44.4
fwE=2.90
20200414T091620.0001.fits
SecZ=1.18
Focus=-5.109
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.915 -6.435 -1.976
T123=18.9 21.1 21.6
ALT/AZ=57.6 94.4
fwAVG=2.98
sdW=39.2
fwW=2.87
sdS=27.6
fwS=3.06
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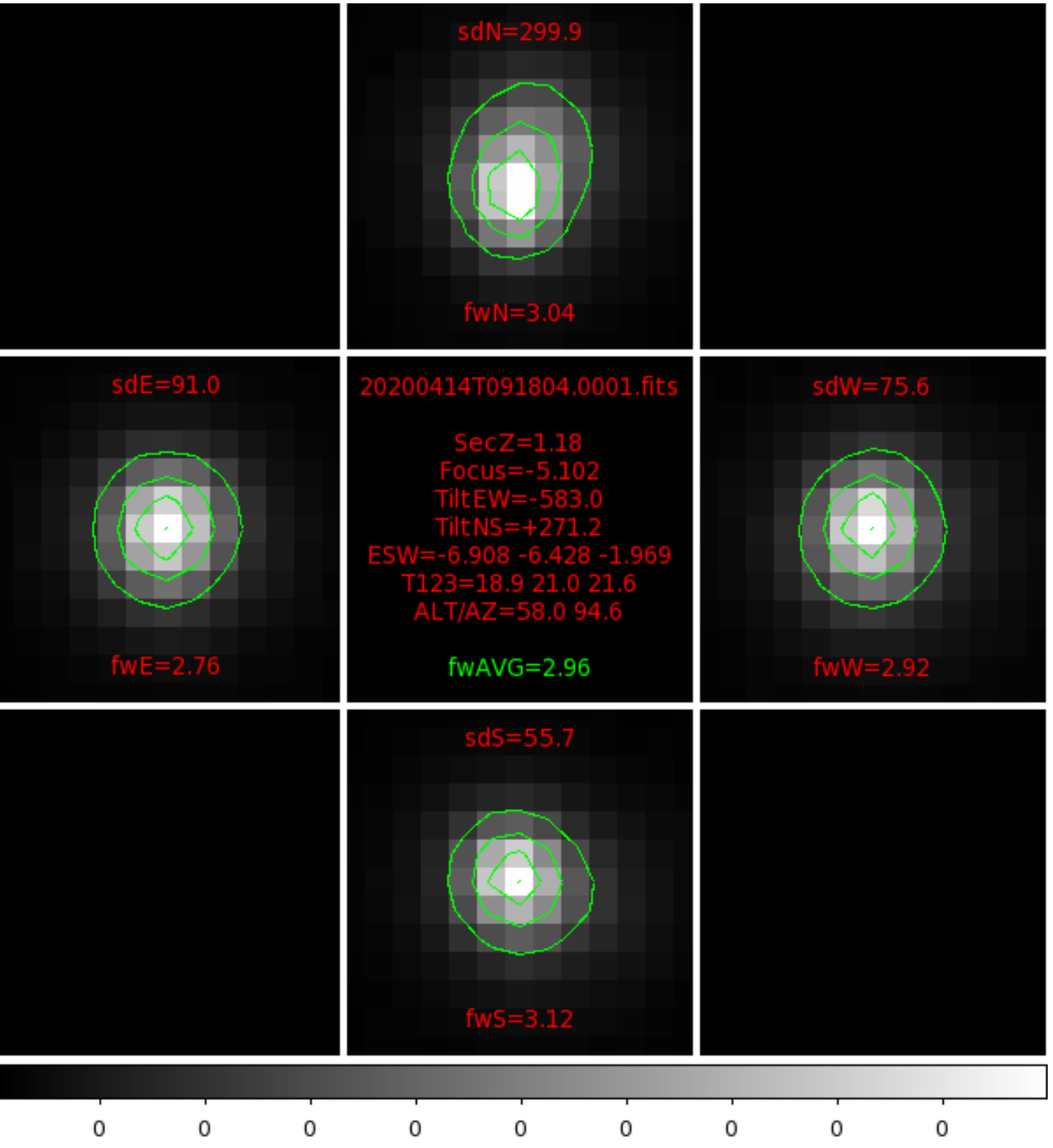
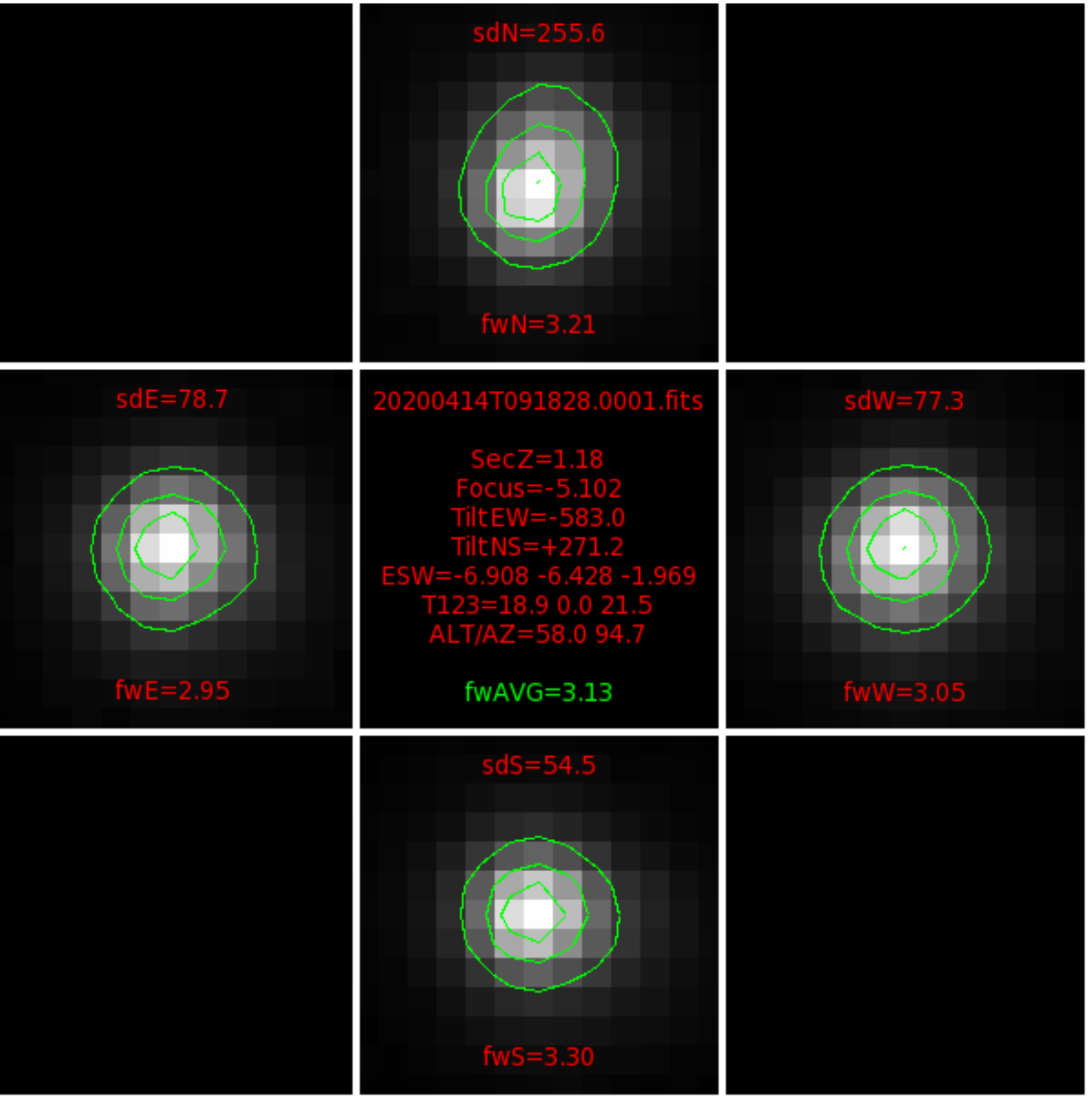
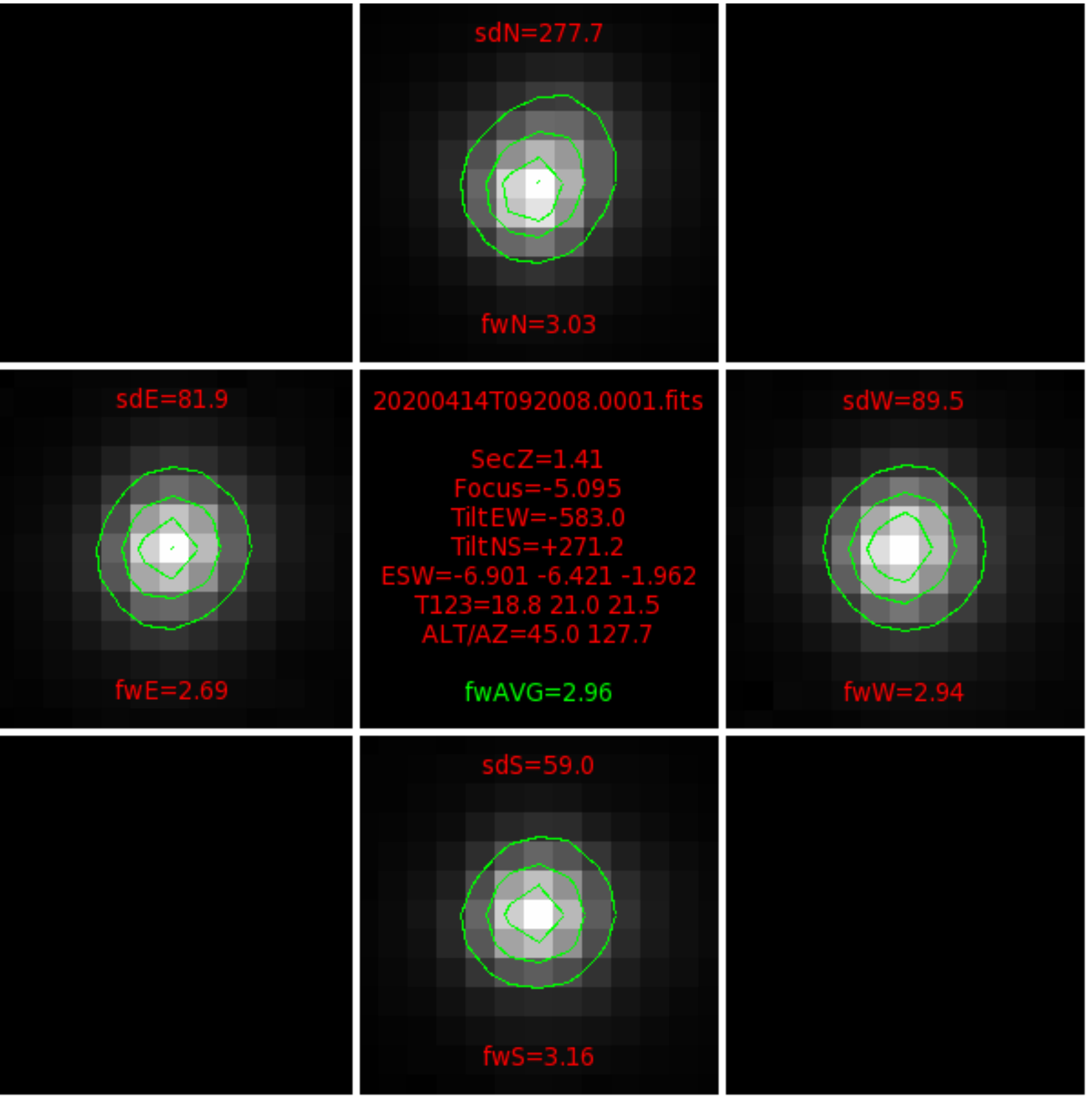
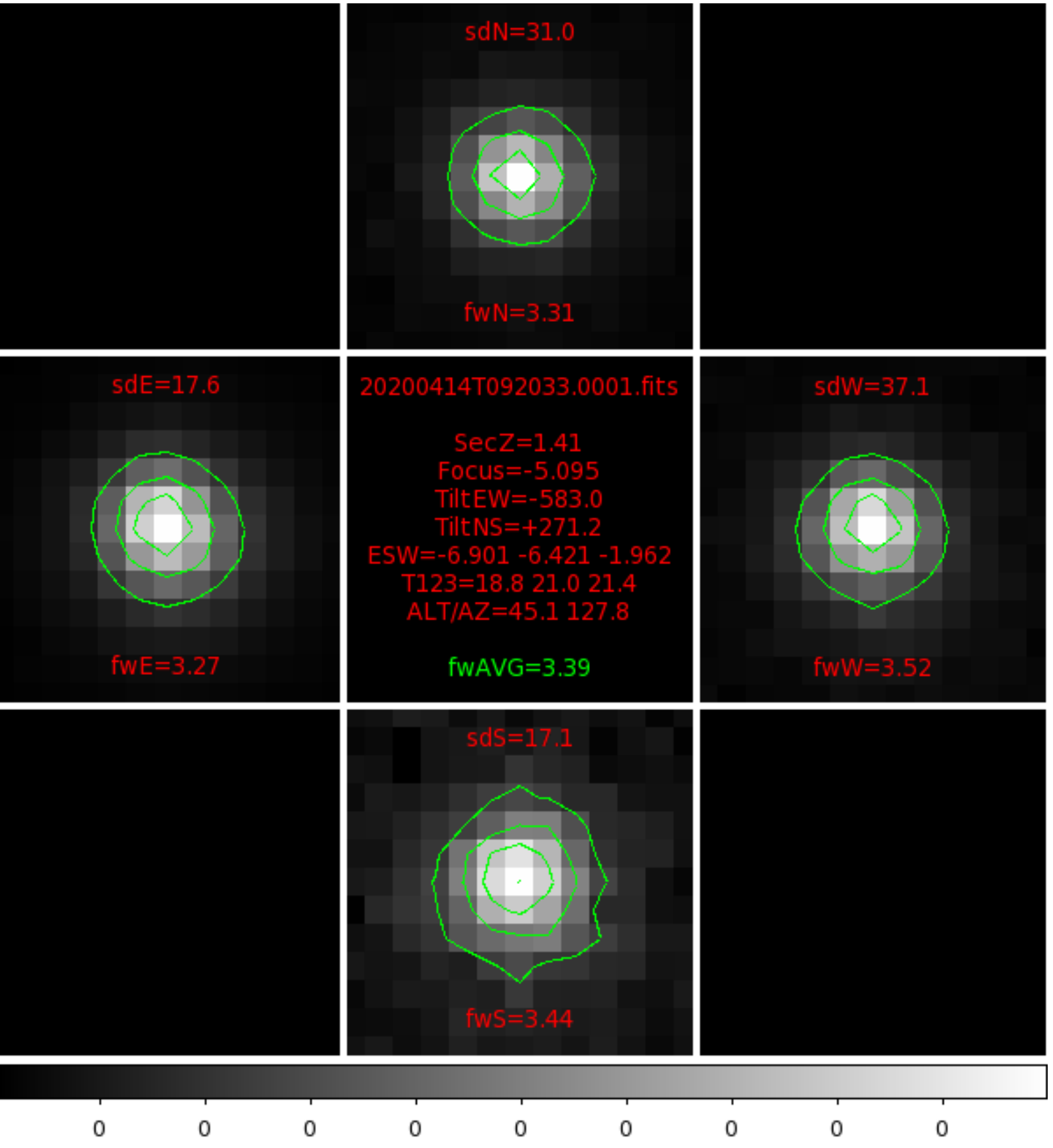
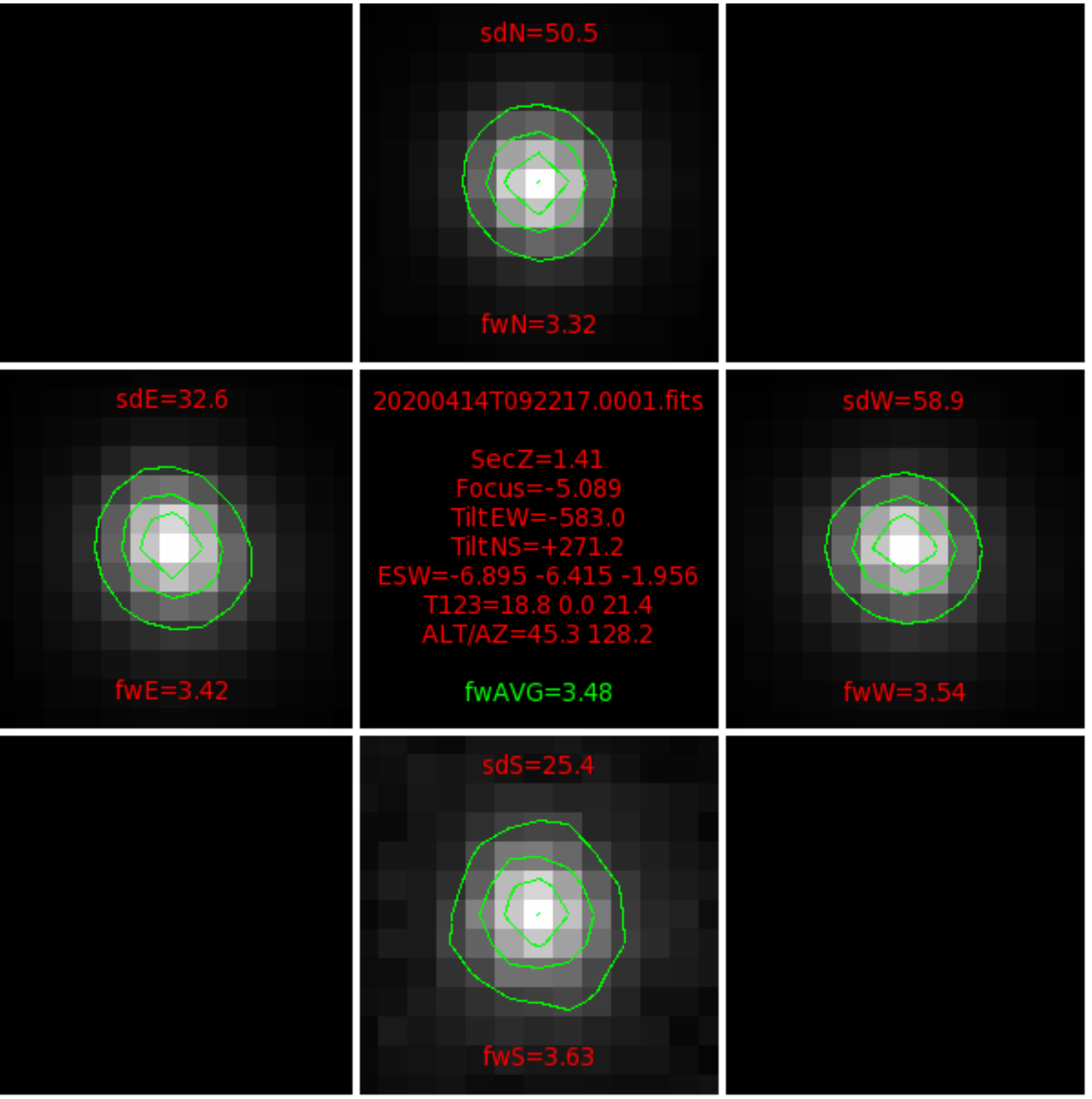

sdN=299.9
fwN=3.04
sdE=91.0
fwE=2.76
20200414T091804.0001.fits
SecZ=1.18
Focus=-5.102
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.908 -6.428 -1.969
T123=18.9 21.0 21.6
ALT/AZ=58.0 94.6
fwAVG=2.96
sdW=75.6
fwW=2.92
sdS=55.7
fwS=3.12
0 0 0 0 0 0 0 0 0


sdN=255.6
fwN=3.21
sdE=78.7
fwE=2.95
20200414T091828.0001.fits
SecZ=1.18
Focus=-5.102
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.908 -6.428 -1.969
T123=18.9 0.0 21.5
ALT/AZ=58.0 94.7
fwAVG=3.13
sdW=77.3
fwW=3.05
sdS=54.5
fwS=3.30
0 0 0 0 0 0 0 0 0


sdN=277.7
fwN=3.03
sdE=81.9
fwE=2.69
20200414T092008.0001.fits
SecZ=1.41
Focus=-5.095
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.901 -6.421 -1.962
T123=18.8 21.0 21.5
ALT/AZ=45.0 127.7
fwAVG=2.96
sdW=89.5
fwW=2.94
sdS=59.0
fwS=3.16
0 0 0 0 0 0 0 0 0


sdN=31.0
fwN=3.31
sdE=17.6
fwE=3.27
20200414T092033.0001.fits
SecZ=1.41
Focus=-5.095
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.901 -6.421 -1.962
T123=18.8 21.0 21.4
ALT/AZ=45.1 127.8
fwAVG=3.39
sdW=37.1
fwW=3.52
sdS=17.1
fwS=3.44
0 0 0 0 0 0 0 0 0


sdN=50.5
fwN=3.32
sdE=32.6
fwE=3.42
20200414T092217.0001.fits
SecZ=1.41
Focus=-5.089
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.895 -6.415 -1.956
T123=18.8 0.0 21.4
ALT/AZ=45.3 128.2
fwAVG=3.48
sdW=58.9
fwW=3.54
sdS=25.4
fwS=3.63
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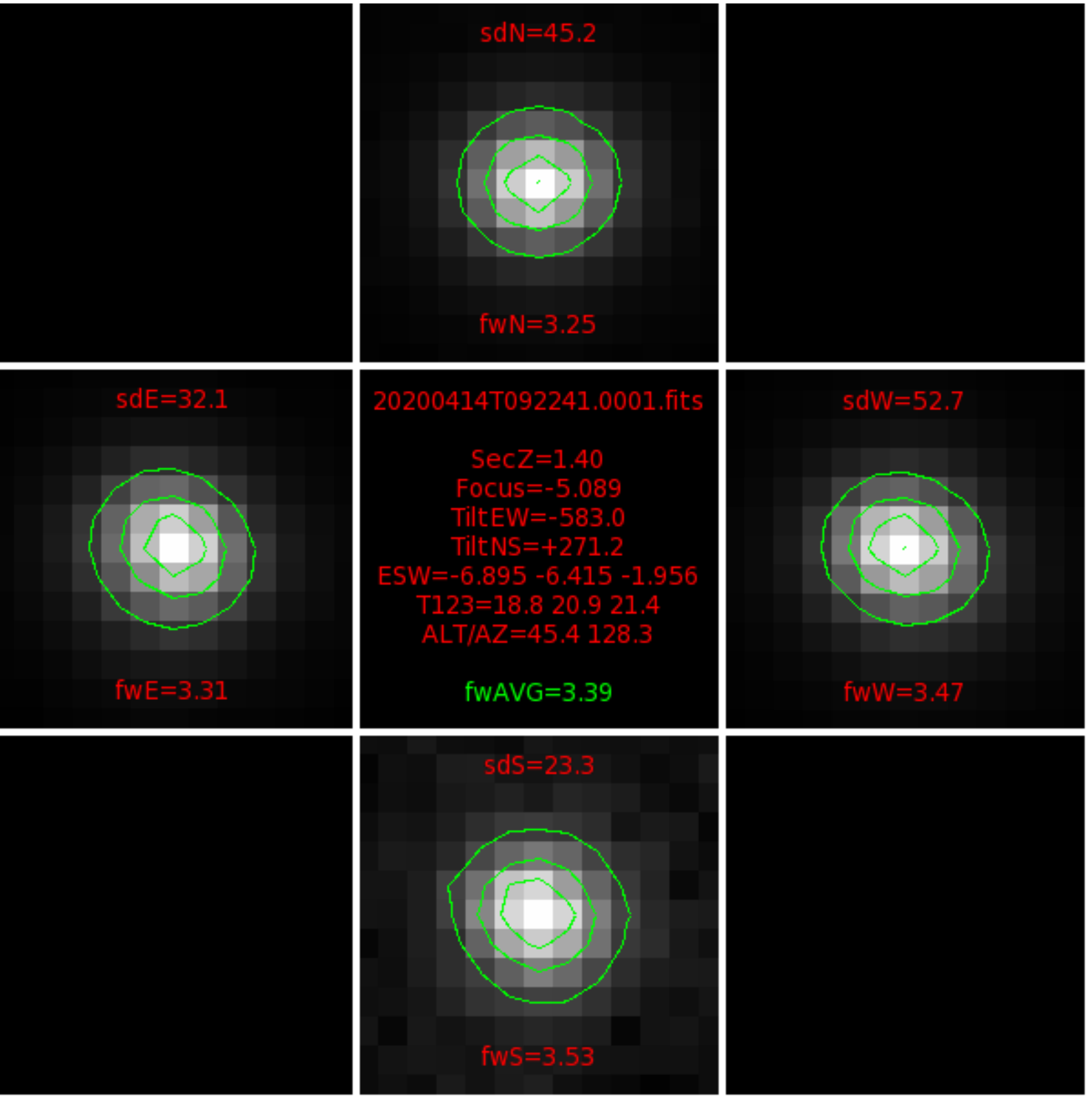
sdN=45.2
fwN=3.25
sdE=32.1
fwE=3.31
20200414T092241.0001.fits
SecZ=1.40
Focus=-5.089
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.895 -6.415 -1.956
T123=18.8 20.9 21.4
ALT/AZ=45.4 128.3
fwAVG=3.39
sdW=52.7
fwW=3.47
sdS=23.3
fwS=3.53
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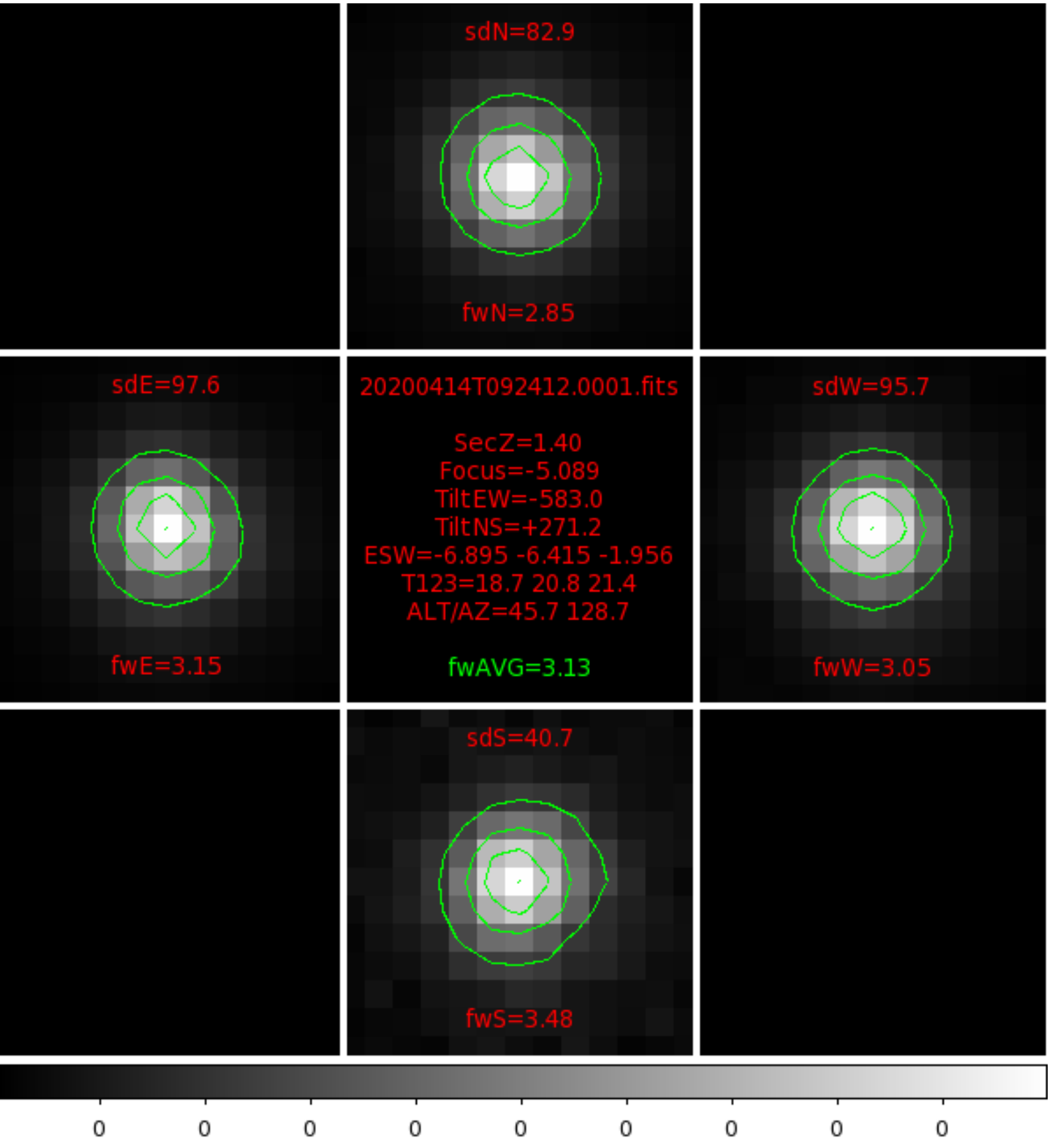
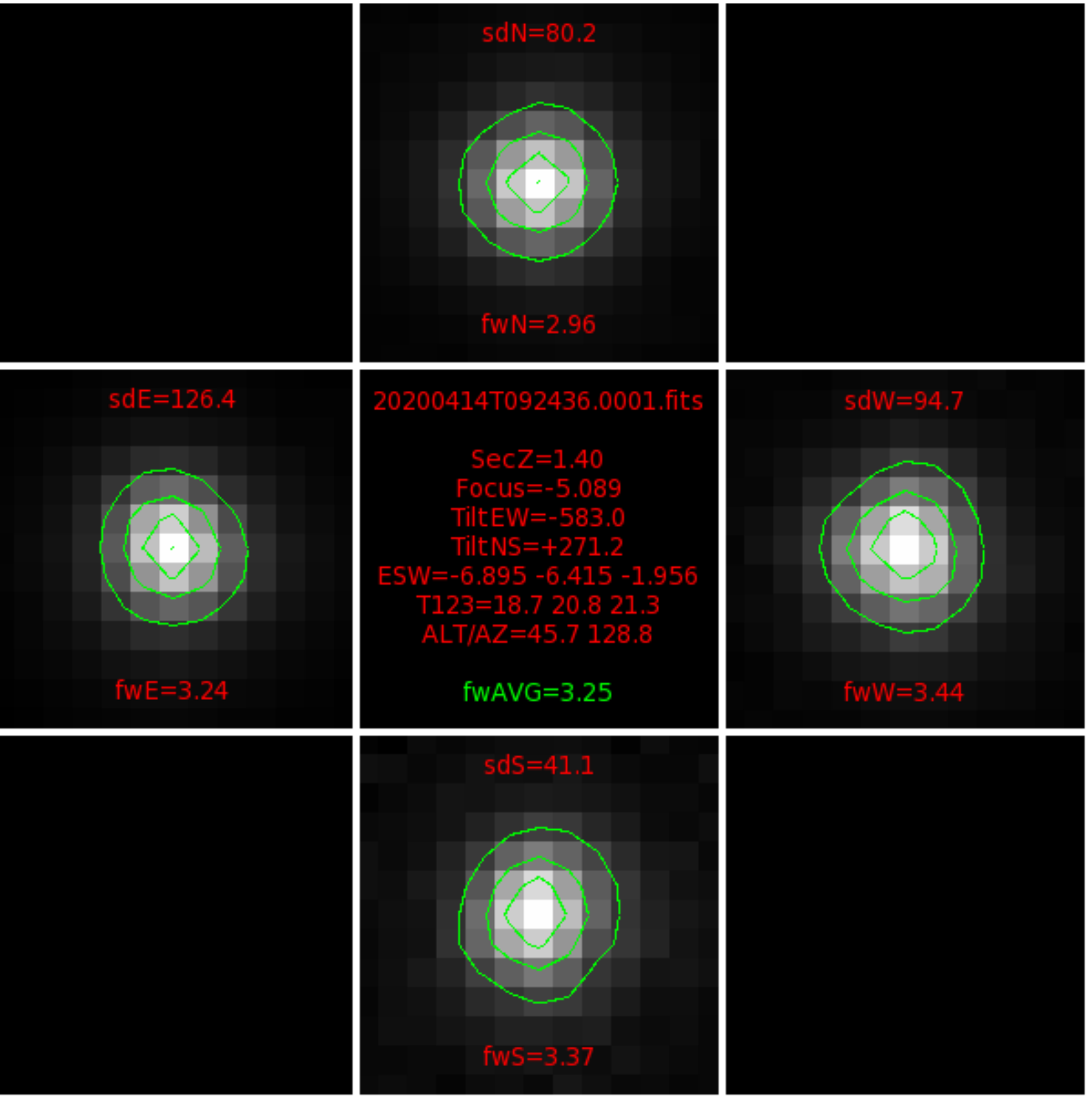
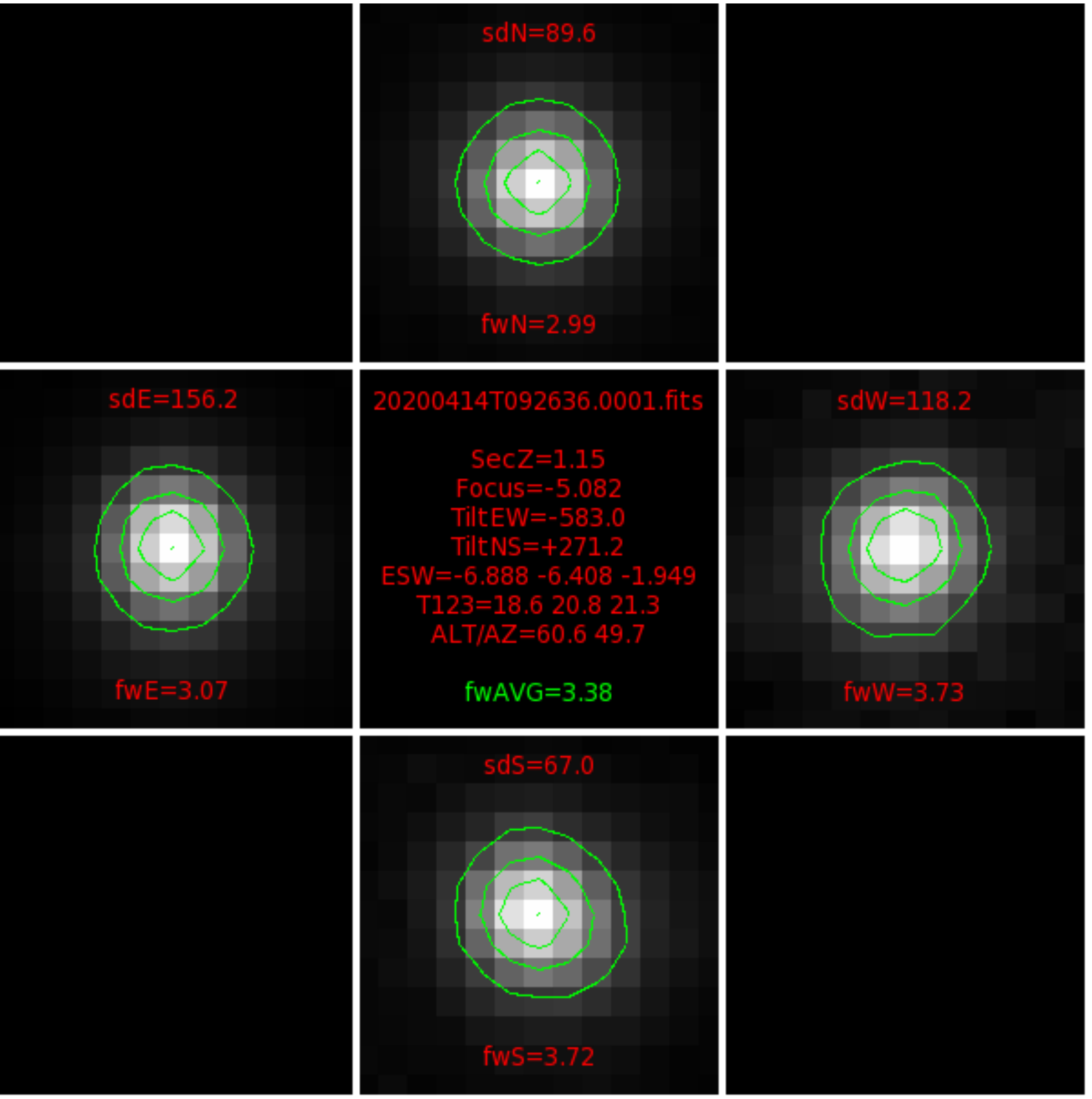

sdN=82.9
fwN=2.85
sdE=97.6
fwE=3.15
20200414T092412.0001.fits
SecZ=1.40
Focus=-5.089
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.895 -6.415 -1.956
T123=18.7 20.8 21.4
ALT/AZ=45.7 128.7
fwAVG=3.13
sdW=95.7
fwW=3.05
sdS=40.7
fwS=3.48
0 0 0 0 0 0 0 0 0


sdN=80.2
fwN=2.96
sdE=126.4
fwE=3.24
20200414T092436.0001.fits
SecZ=1.40
Focus=-5.089
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.895 -6.415 -1.956
T123=18.7 20.8 21.3
ALT/AZ=45.7 128.8
fwAVG=3.25
sdW=94.7
fwW=3.44
sdS=41.1
fwS=3.37
0 0 0 0 0 0 0 0 0


sdN=89.6
fwN=2.99
sdE=156.2
fwE=3.07
20200414T092636.0001.fits
SecZ=1.15
Focus=-5.082
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.888 -6.408 -1.949
T123=18.6 20.8 21.3
ALT/AZ=60.6 49.7
fwAVG=3.38
sdW=118.2
fwW=3.73
sdS=67.0
fwS=3.72
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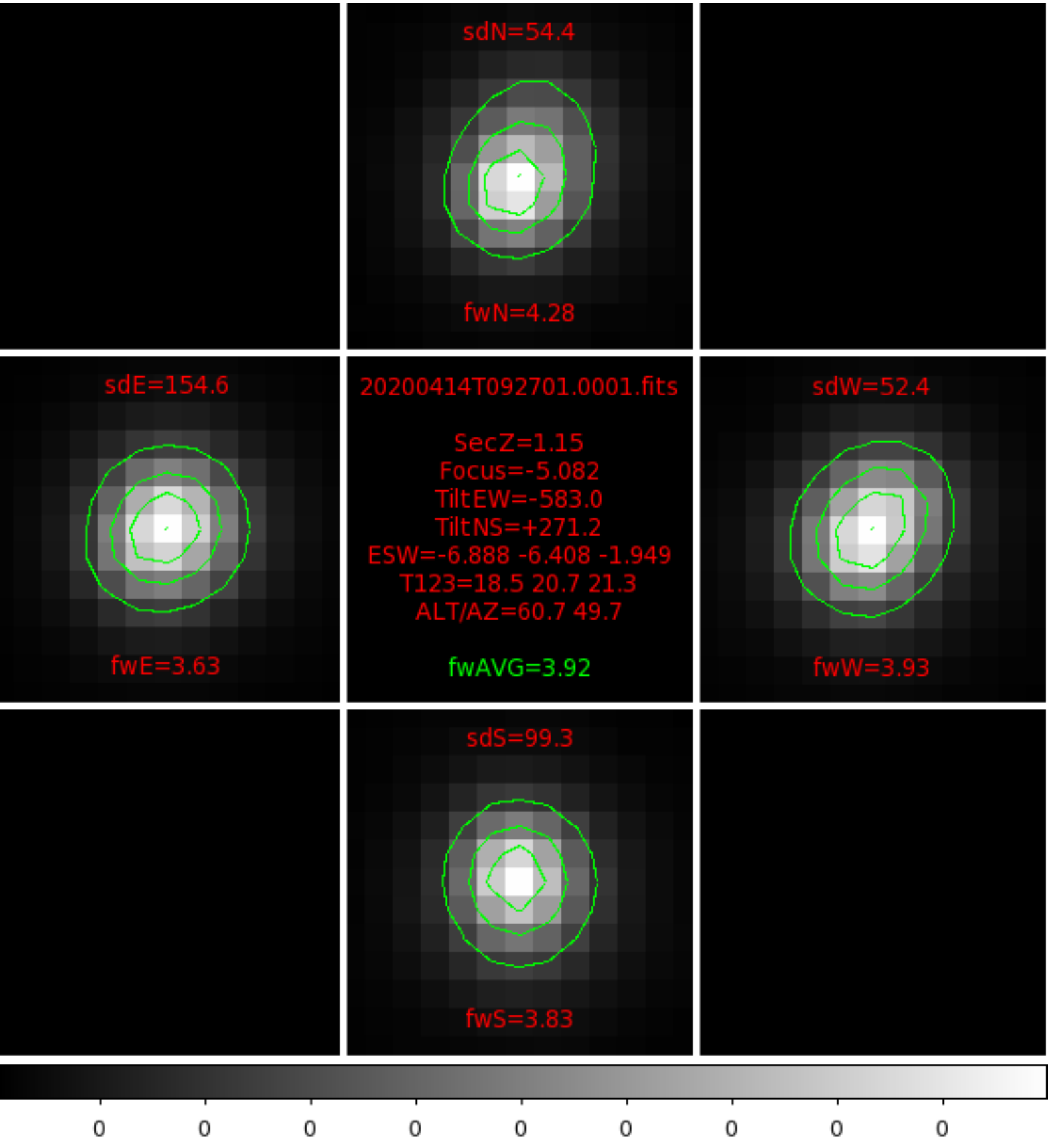
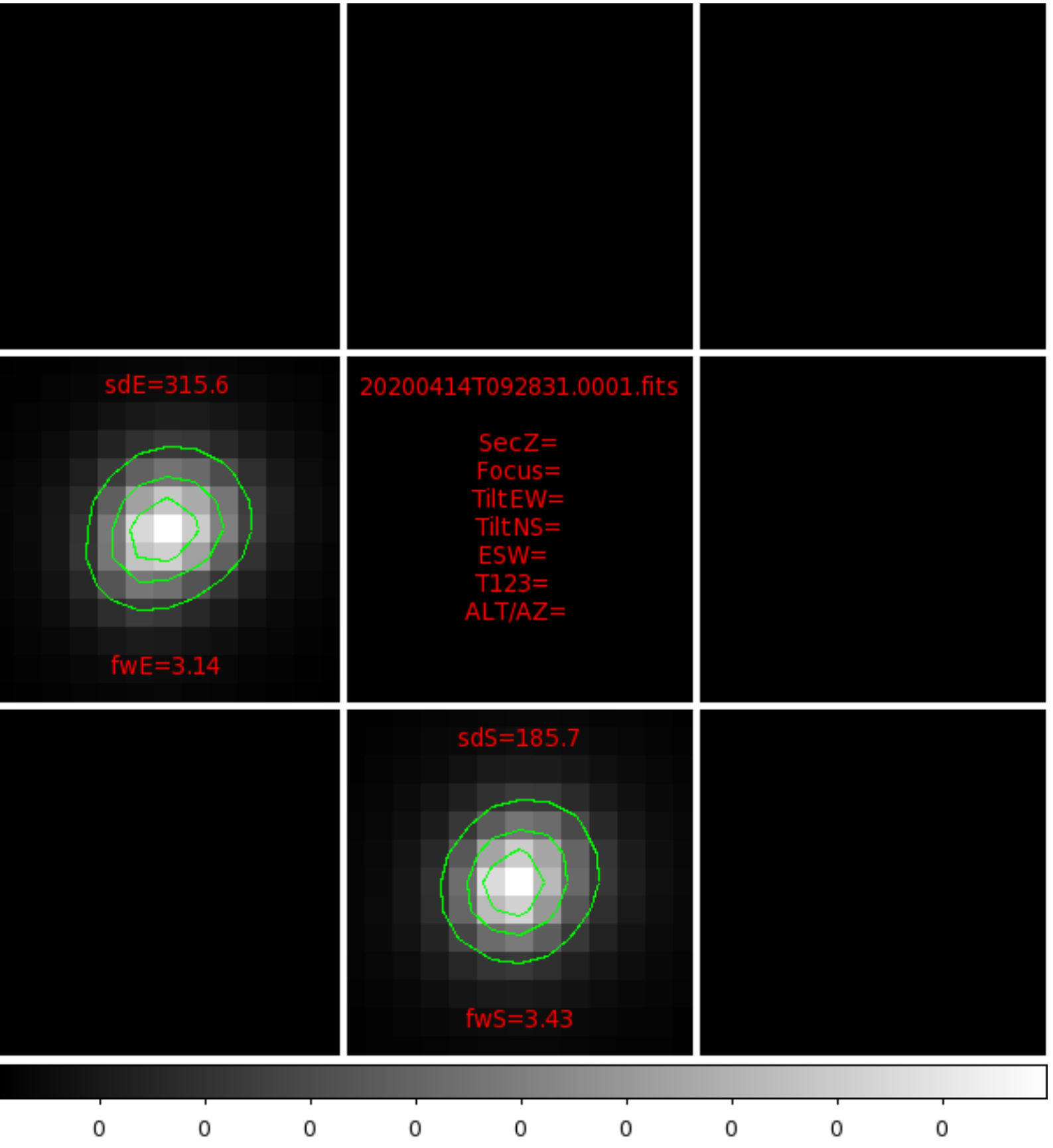

sdN=54.4
fwN=4.28
sdE=154.6
fwE=3.63
20200414T092701.0001.fits
SecZ=1.15
Focus=-5.082
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.888 -6.408 -1.949
T123=18.5 20.7 21.3
ALT/AZ=60.7 49.7
fwAVG=3.92
sdW=52.4
fwW=3.93
sdS=99.3
fwS=3.83
0 0 0 0 0 0 0 0 0


sdE=315.6
20200414T092831.0001.fits
SecZ=
Focus=
TiltEW=
TiltNS=
ESW=
T123=
ALT/AZ=
fwE=3.14
sdS=185.7
fwS=3.43
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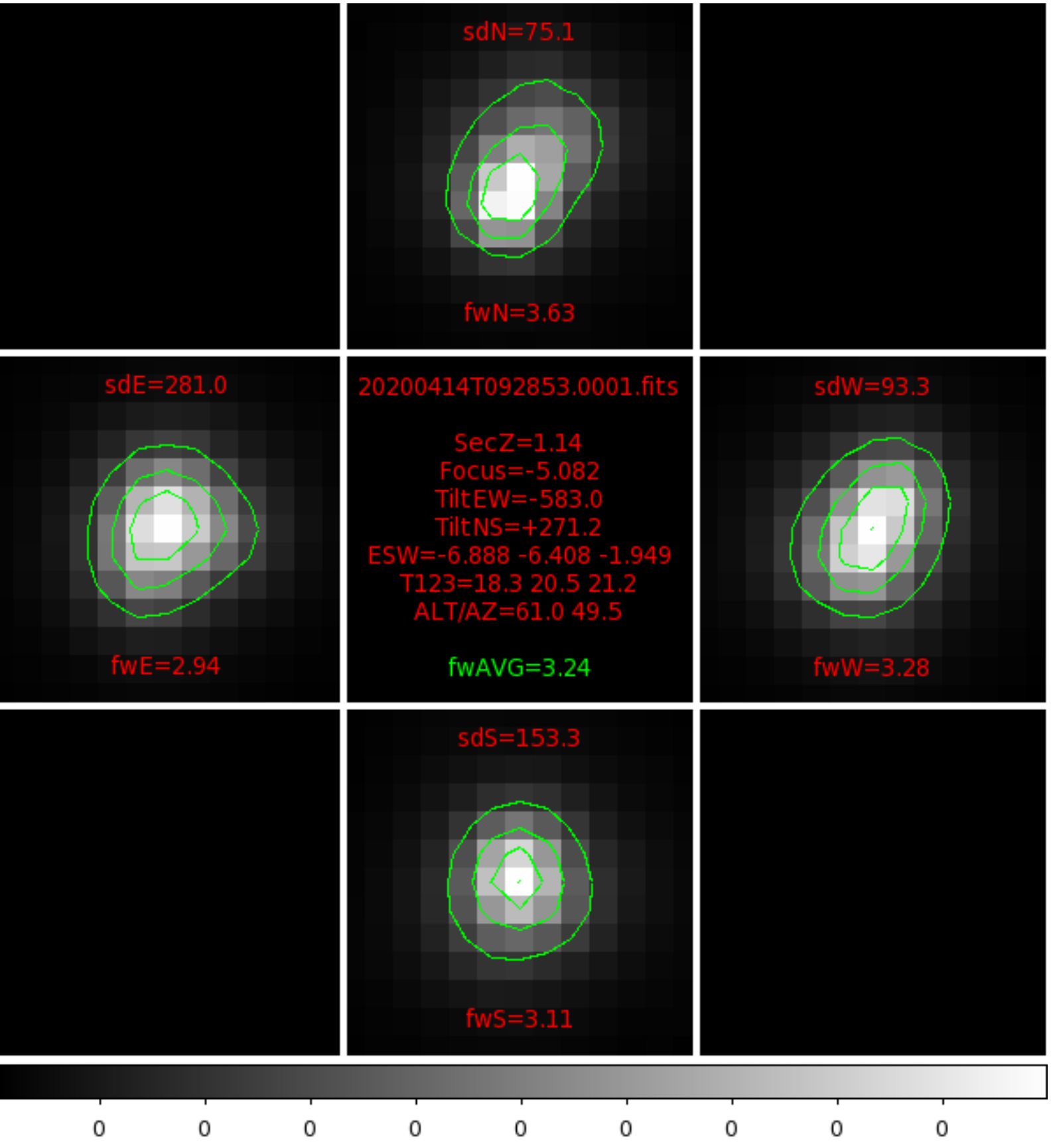
0
0
0
0
0
0
0
0


sdN=75.1
fwN=3.63
sdE=281.0
fwE=2.94
20200414T092853.0001.fits
SecZ=1.14
Focus=-5.082
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.888 -6.408 -1.949
T123=18.3 20.5 21.2
ALT/AZ=61.0 49.5
fwAVG=3.24
sdW=93.3
fwW=3.28
sdS=153.3
fwS=3.11
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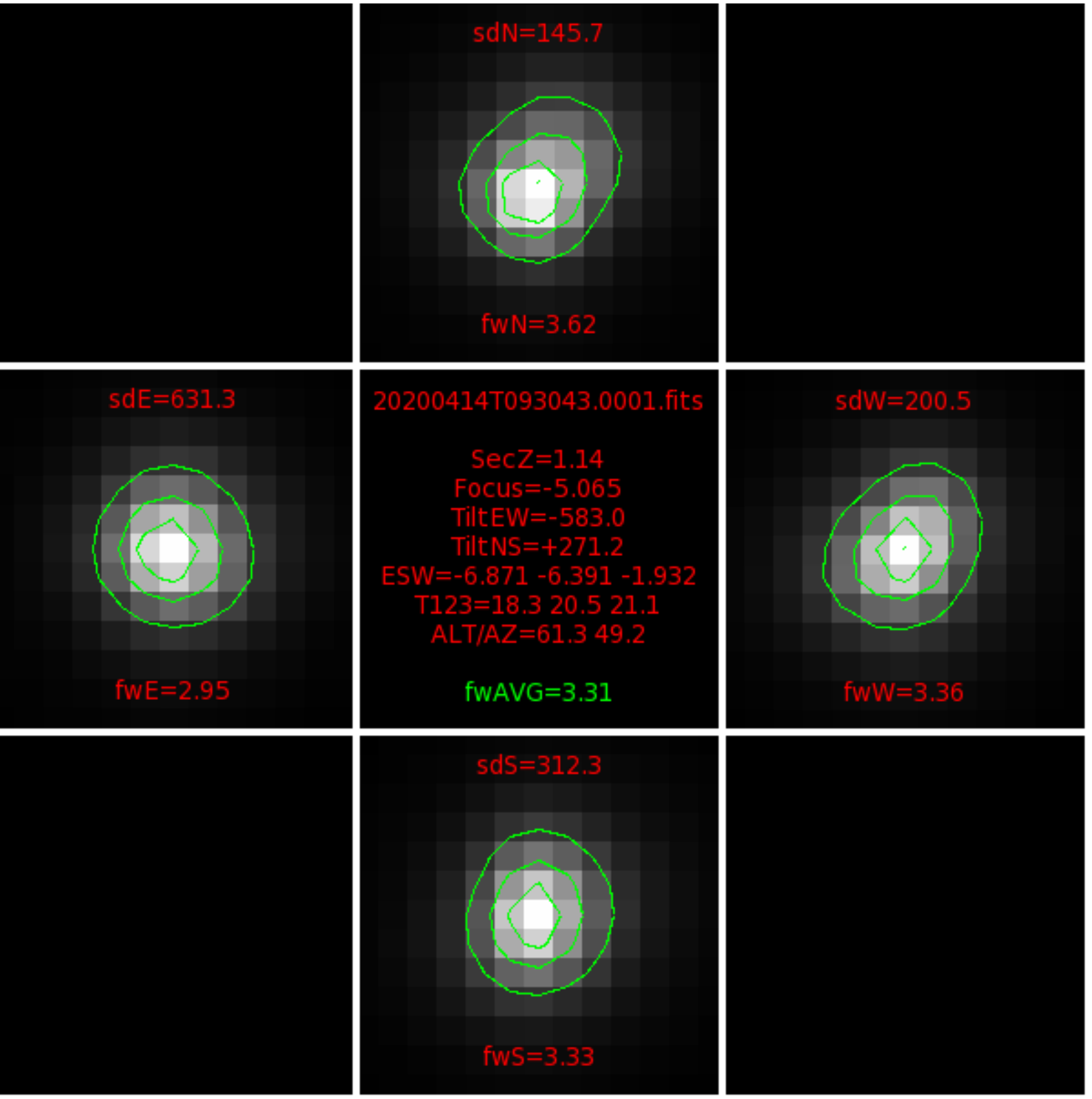
sdN=145.7
fwN=3.62
sdE=631.3
fwE=2.95
20200414T093043.0001.fits
SecZ=1.14
Focus=-5.065
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.871 -6.391 -1.932
T123=18.3 20.5 21.1
ALT/AZ=61.3 49.2
fwAVG=3.31
sdW=200.5
fwW=3.36
sdS=312.3
fwS=3.33
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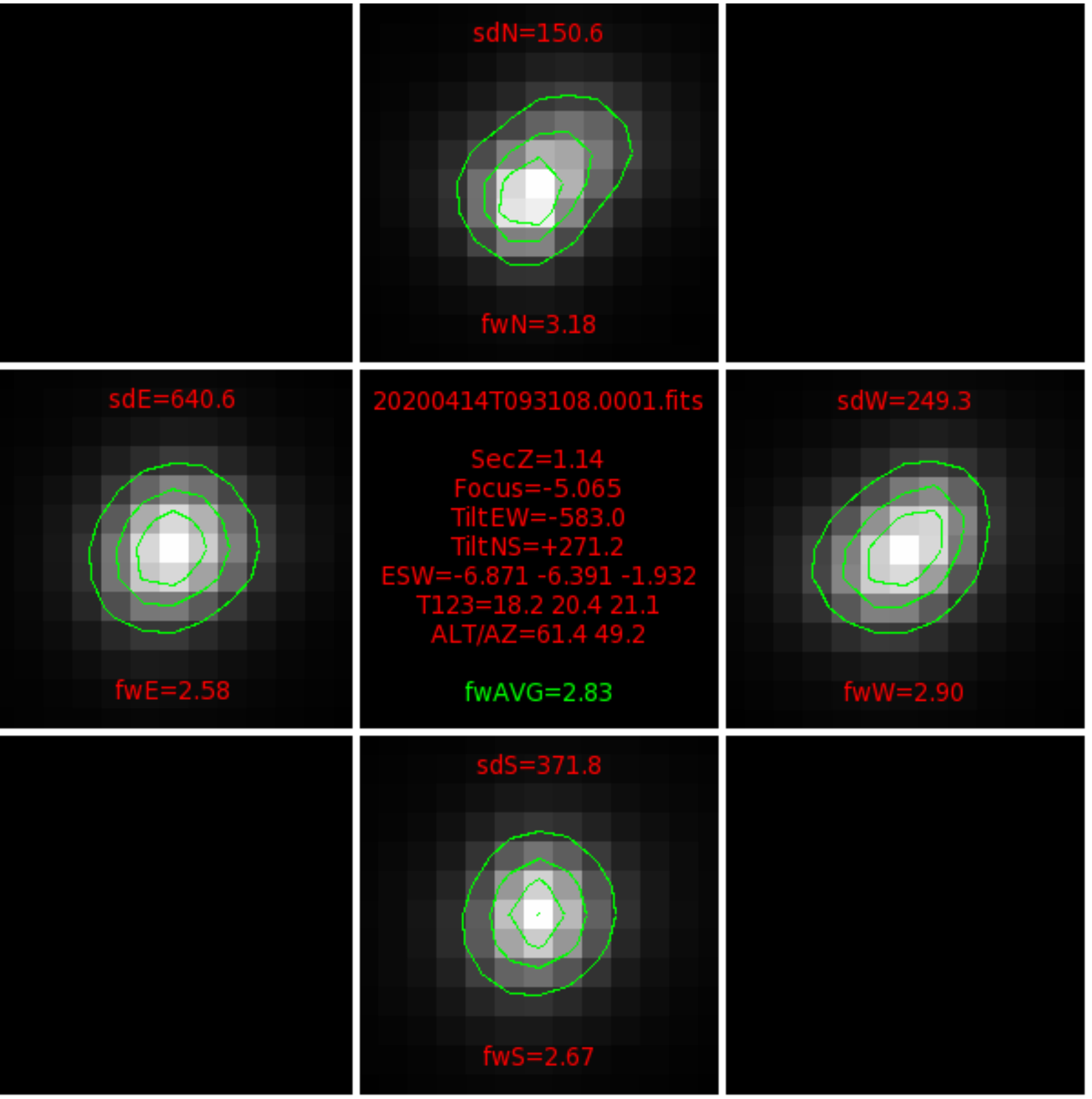
sdN=150.6
fwN=3.18
sdE=640.6
fwE=2.58
20200414T093108.0001.fits
SecZ=1.14
Focus=-5.065
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.871 -6.391 -1.932
T123=18.2 20.4 21.1
ALT/AZ=61.4 49.2
fwAVG=2.83
sdW=249.3
fwW=2.90
sdS=371.8
fwS=2.67
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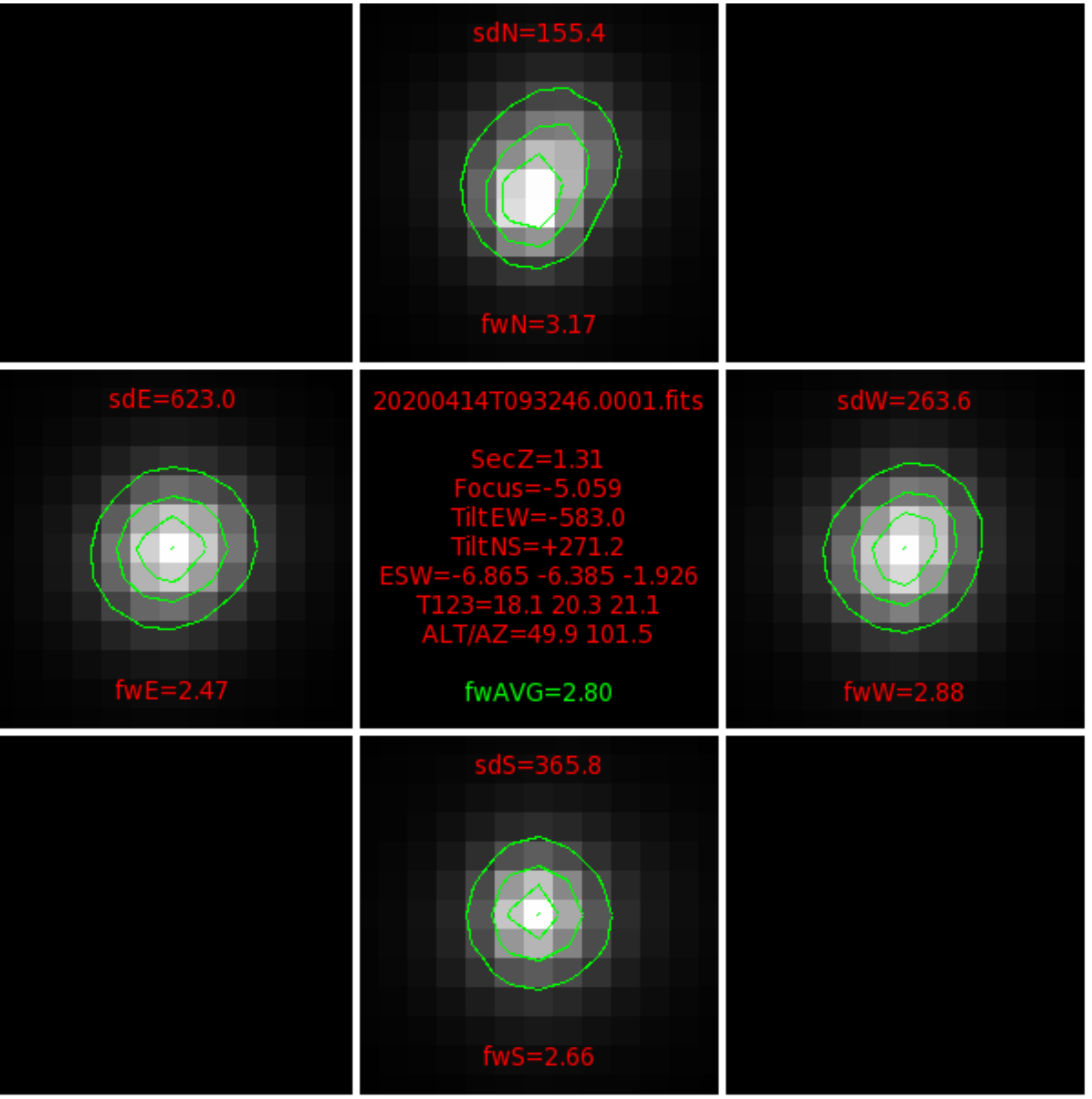
sdN=155.4
fwN=3.17
sdE=623.0
fwE=2.47
20200414T093246.0001.fits
SecZ=1.31
Focus=-5.059
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.865 -6.385 -1.926
T123=18.1 20.3 21.1
ALT/AZ=49.9 101.5
fwAVG=2.80
sdW=263.6
fwW=2.88
sdS=365.8
fwS=2.66
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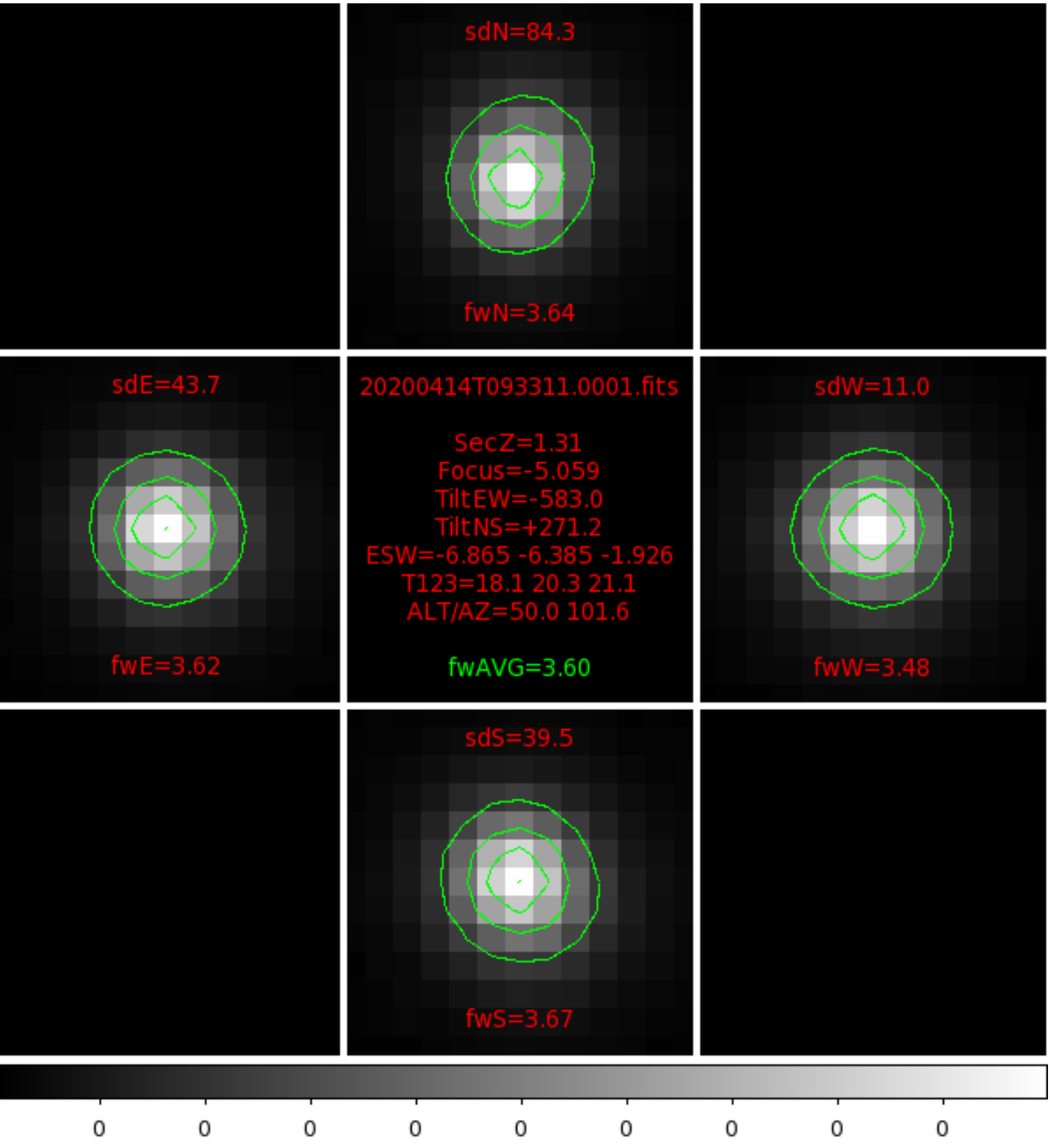
sdN=84.3
fwN=3.64
sdE=43.7
fwE=3.62
20200414T093311.0001.fits
SecZ=1.31
Focus=-5.059
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.865 -6.385 -1.926
T123=18.1 20.3 21.1
ALT/AZ=50.0 101.6
fwAVG=3.60
sdW=11.0
fwW=3.48
sdS=39.5
fwS=3.67
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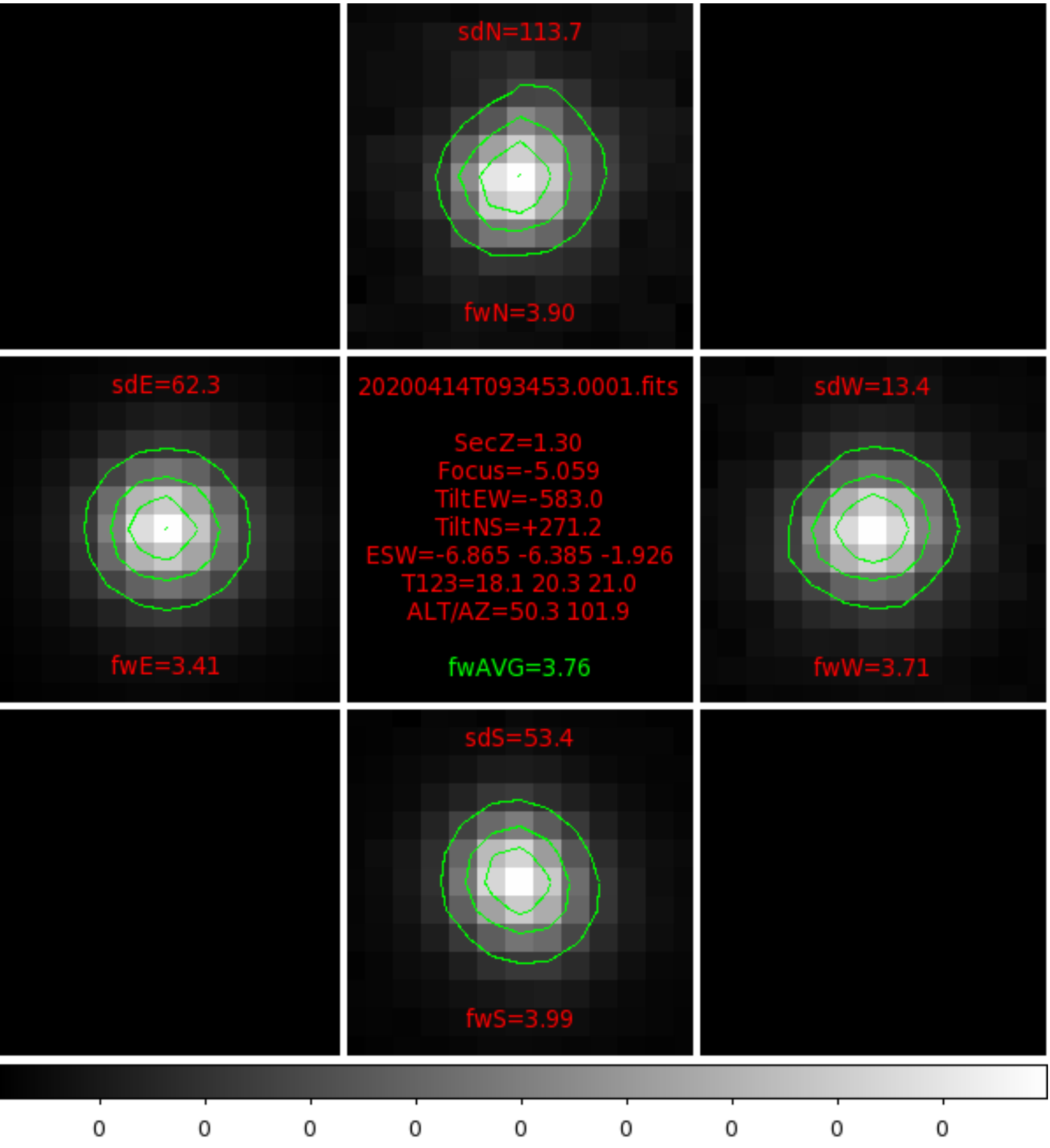
sdN=113.7
fwN=3.90
sdE=62.3
fwE=3.41
20200414T093453.0001.fits
SecZ=1.30
Focus=-5.059
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.865 -6.385 -1.926
T123=18.1 20.3 21.0
ALT/AZ=50.3 101.9
fwAVG=3.76
sdW=13.4
fwW=3.71
sdS=53.4
fwS=3.99
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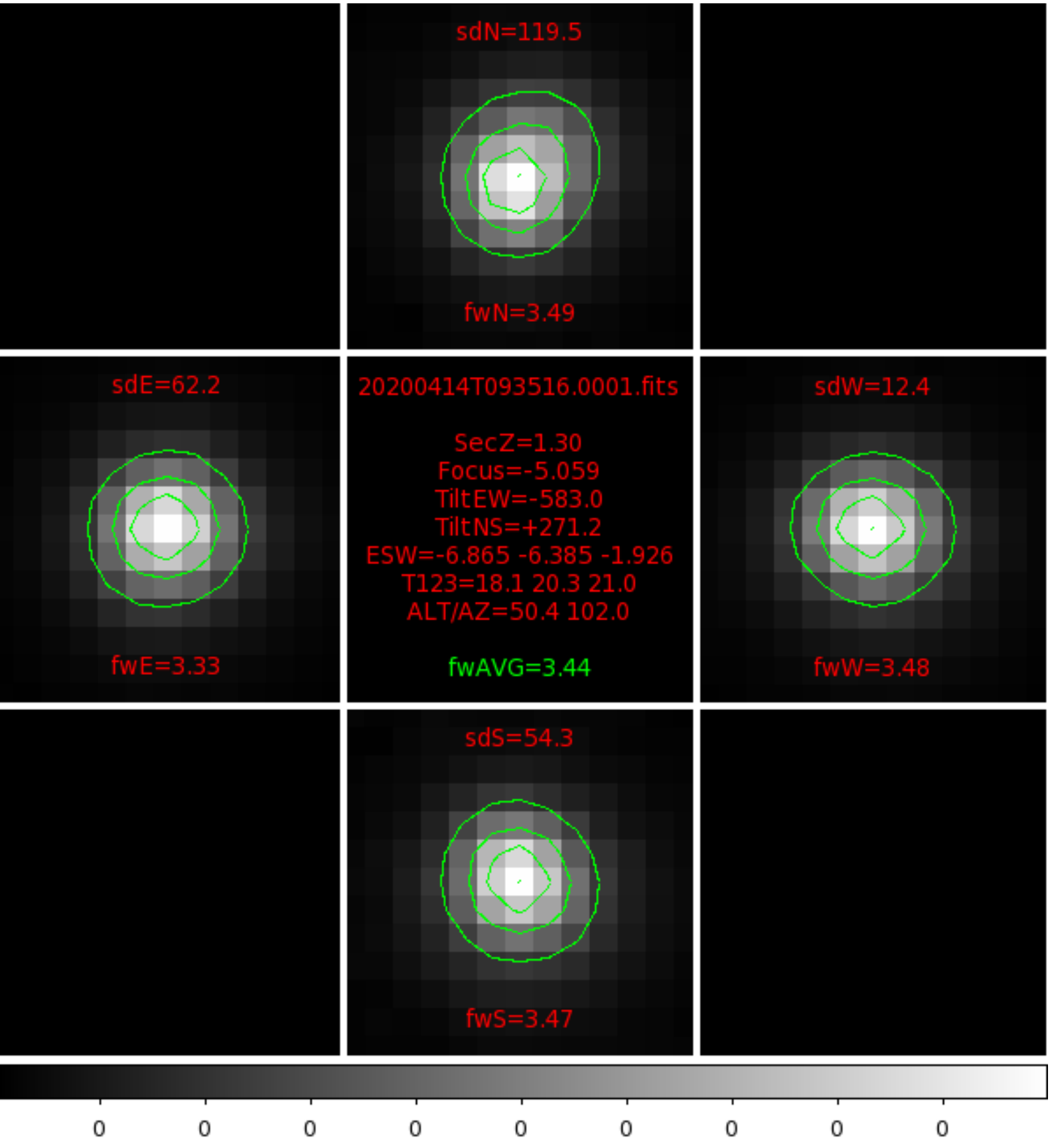
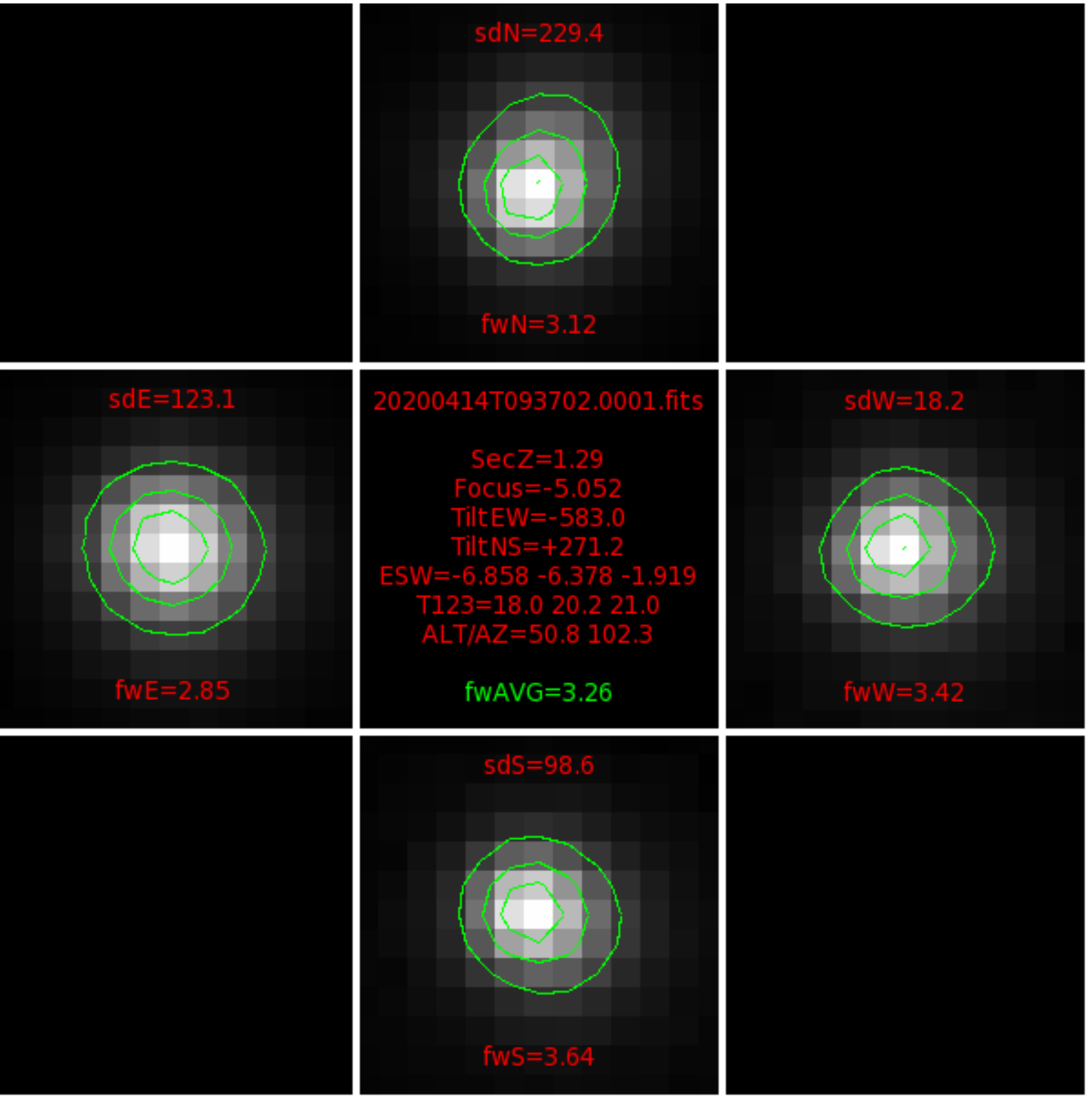

sdN=119.5
fwN=3.49
sdE=62.2
fwE=3.33
20200414T093516.0001.fits
SecZ=1.30
Focus=-5.059
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.865 -6.385 -1.926
T123=18.1 20.3 21.0
ALT/AZ=50.4 102.0
fwAVG=3.44
sdW=12.4
fwW=3.48
sdS=54.3
fwS=3.47
0 0 0 0 0 0 0 0 0


sdN=229.4
fwN=3.12
sdE=123.1
fwE=2.85
20200414T093702.0001.fits
SecZ=1.29
Focus=-5.052
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.858 -6.378 -1.919
T123=18.0 20.2 21.0
ALT/AZ=50.8 102.3
fwAVG=3.26
sdW=18.2
fwW=3.42
sdS=98.6
fwS=3.64
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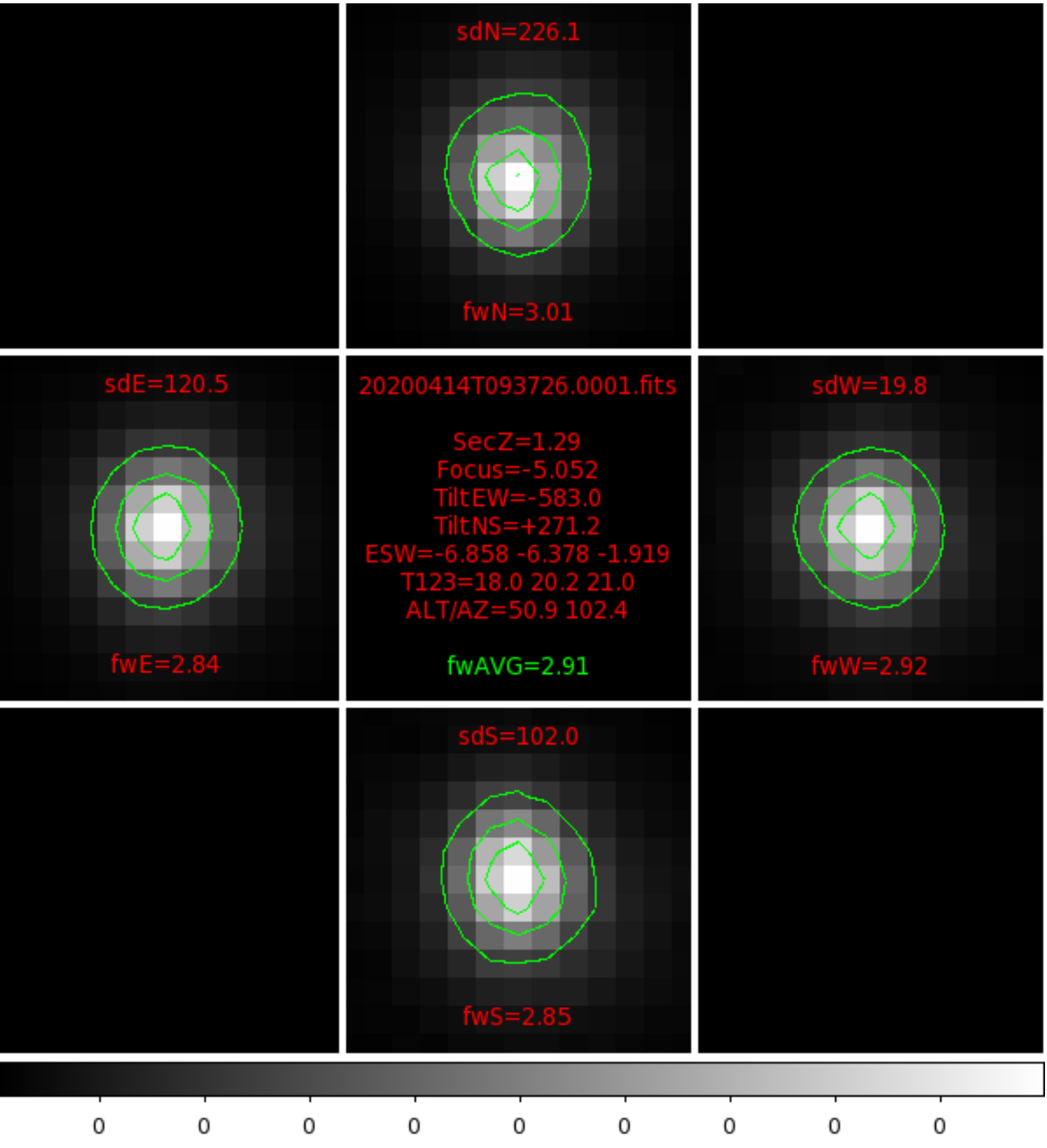
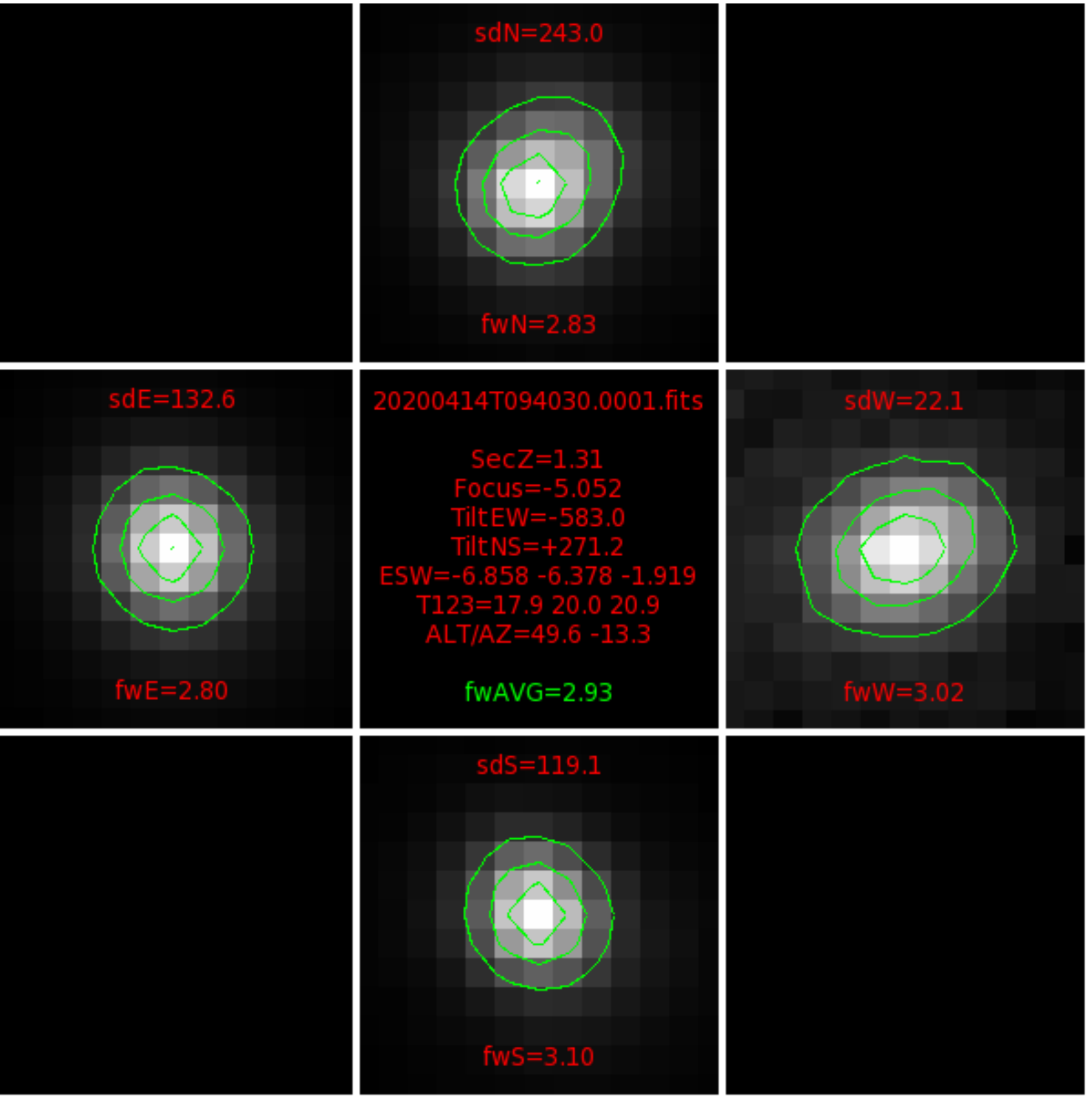

sdN=226.1
fwN=3.01
sdE=120.5
fwE=2.84
20200414T093726.0001.fits
SecZ=1.29
Focus=-5.052
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.858 -6.378 -1.919
T123=18.0 20.2 21.0
ALT/AZ=50.9 102.4
fwAVG=2.91
sdW=19.8
fwW=2.92
sdS=102.0
fwS=2.85
0 0 0 0 0 0 0 0 0


sdN=243.0
fwN=2.83
sdE=132.6
fwE=2.80
20200414T094030.0001.fits
SecZ=1.31
Focus=-5.052
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.858 -6.378 -1.919
T123=17.9 20.0 20.9
ALT/AZ=49.6 -13.3
fwAVG=2.93
sdW=22.1
fwW=3.02
sdS=119.1
fwS=3.10
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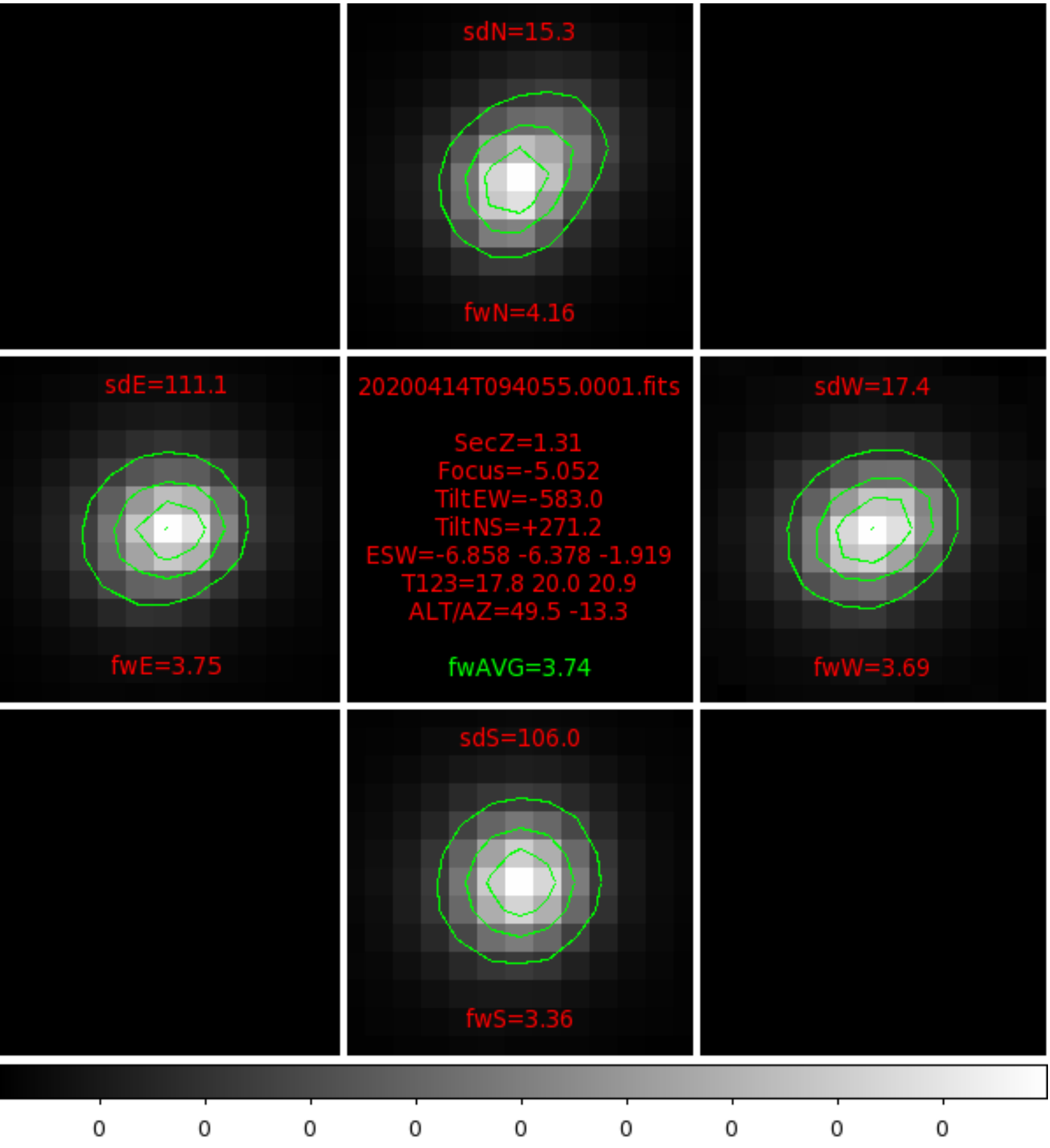
sdN=15.3
fwN=4.16
sdE=111.1
fwE=3.75
20200414T094055.0001.fits
SecZ=1.31
Focus=-5.052
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.858 -6.378 -1.919
T123=17.8 20.0 20.9
ALT/AZ=49.5 -13.3
fwAVG=3.74
sdW=17.4
fwW=3.69
sdS=106.0
fwS=3.36
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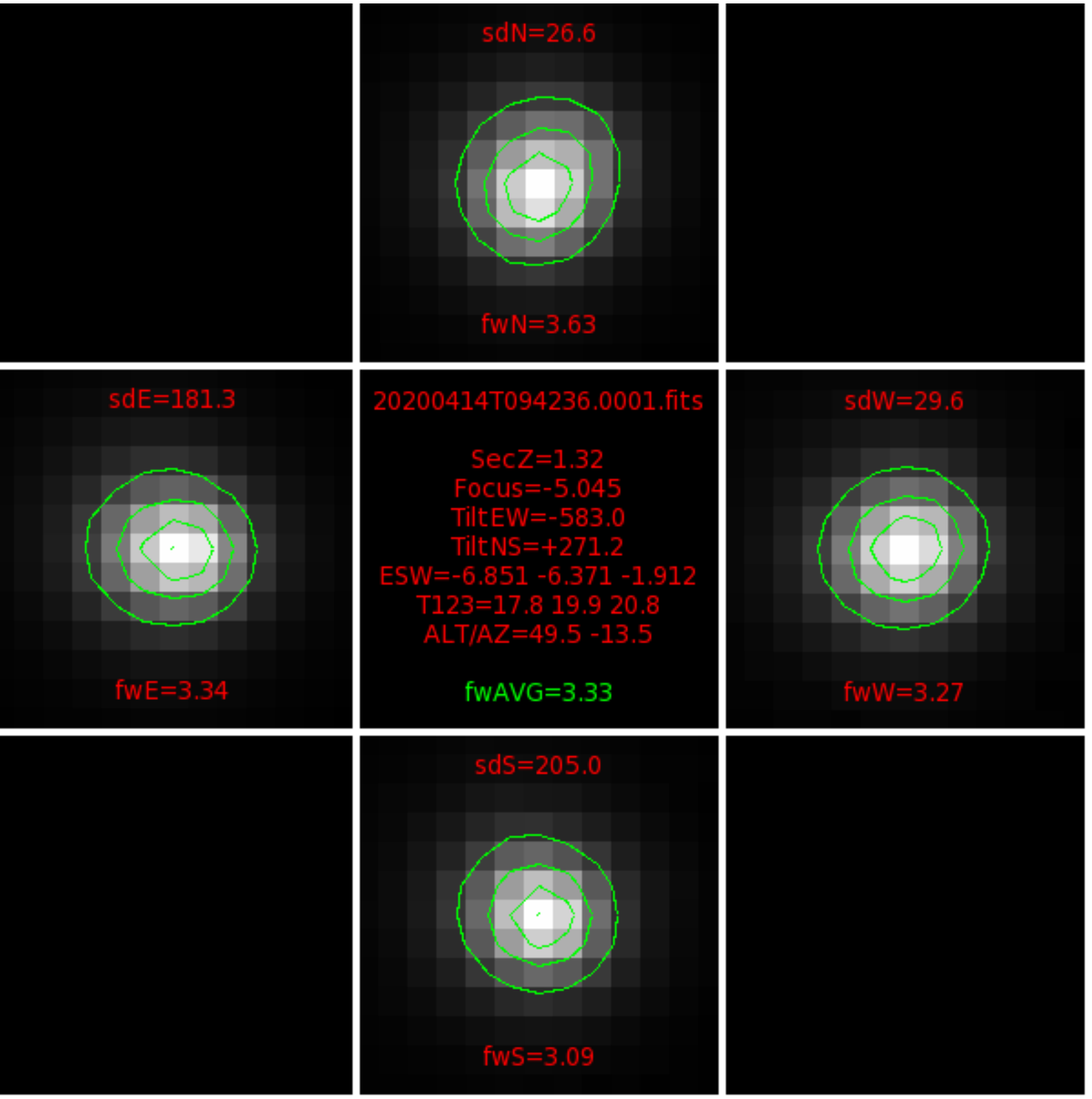
sdN=26.6
fwN=3.63
sdE=181.3
fwE=3.34
20200414T094236.0001.fits
SecZ=1.32
Focus=-5.045
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.851 -6.371 -1.912
T123=17.8 19.9 20.8
ALT/AZ=49.5 -13.5
fwAVG=3.33
sdW=29.6
fwW=3.27
sdS=205.0
fwS=3.09
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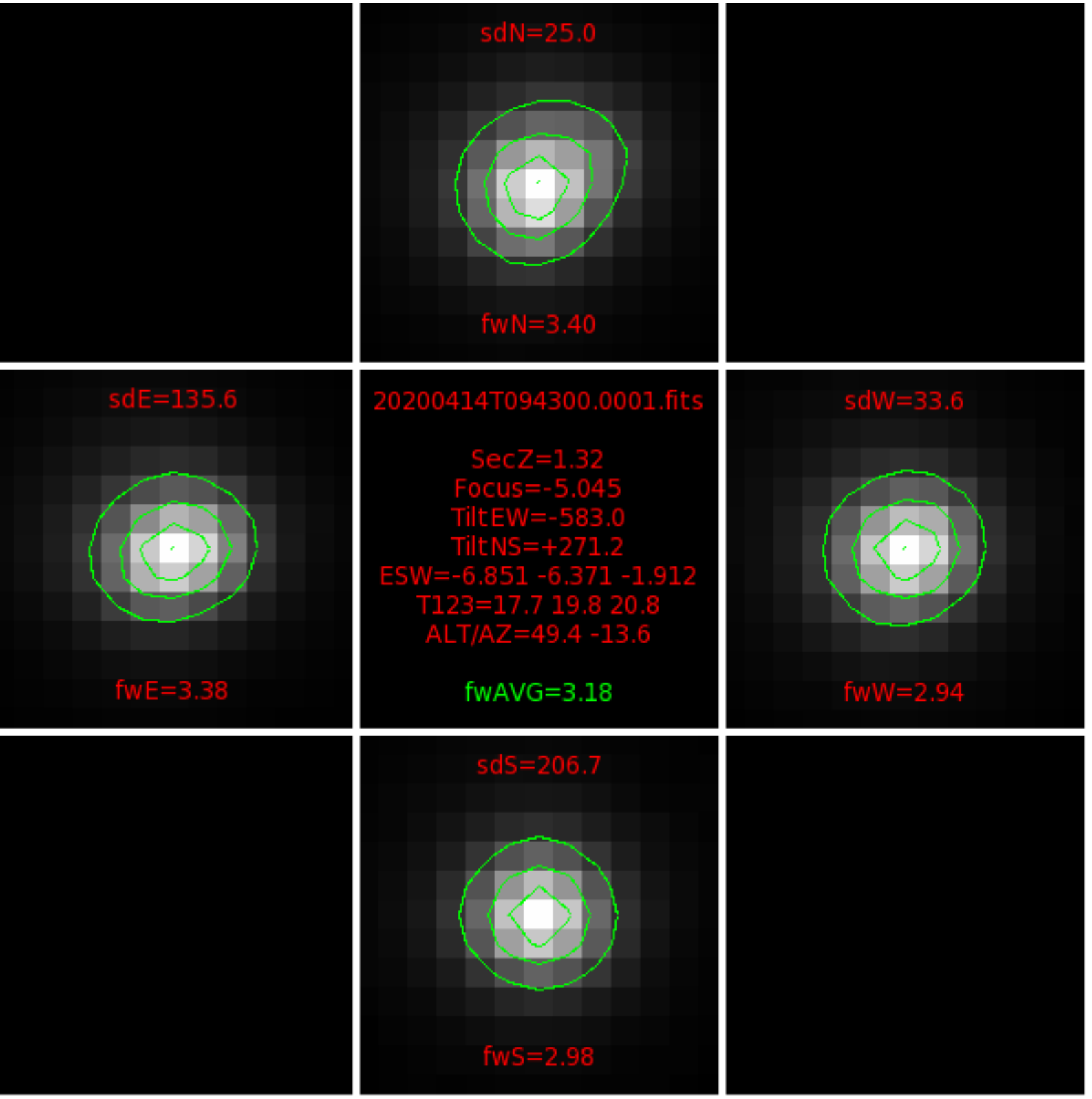
sdN=25.0
fwN=3.40
sdE=135.6
fwE=3.38
20200414T094300.0001.fits
SecZ=1.32
Focus=-5.045
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.851 -6.371 -1.912
T123=17.7 19.8 20.8
ALT/AZ=49.4 -13.6
fwAVG=3.18
sdW=33.6
fwW=2.94
sdS=206.7
fwS=2.98
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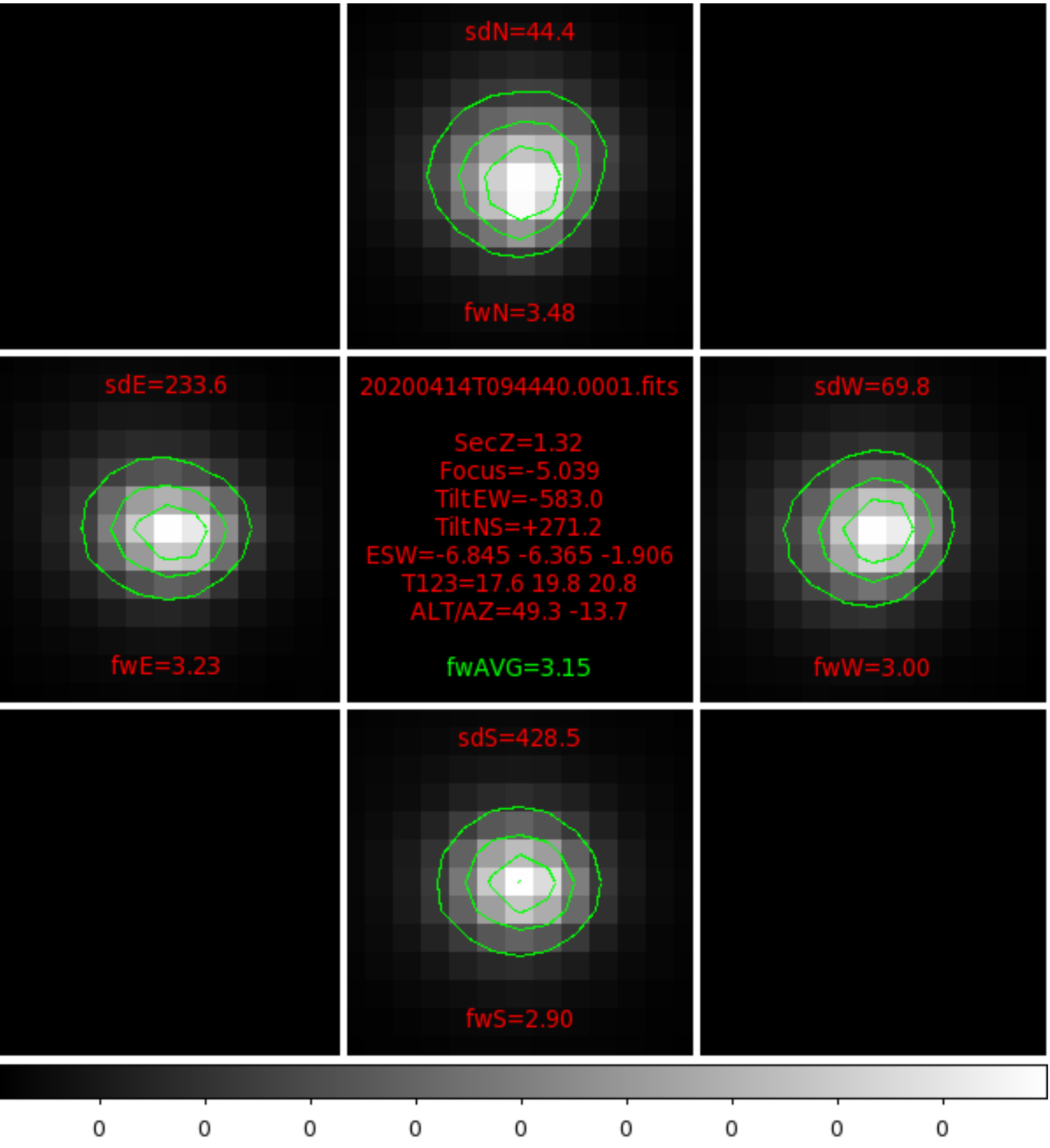
sdN=44.4
fwN=3.48
sdE=233.6
fwE=3.23
20200414T094440.0001.fits
SecZ=1.32
Focus=-5.039
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.845 -6.365 -1.906
T123=17.6 19.8 20.8
ALT/AZ=49.3 -13.7
fwAVG=3.15
sdW=69.8
fwW=3.00
sdS=428.5
fwS=2.90
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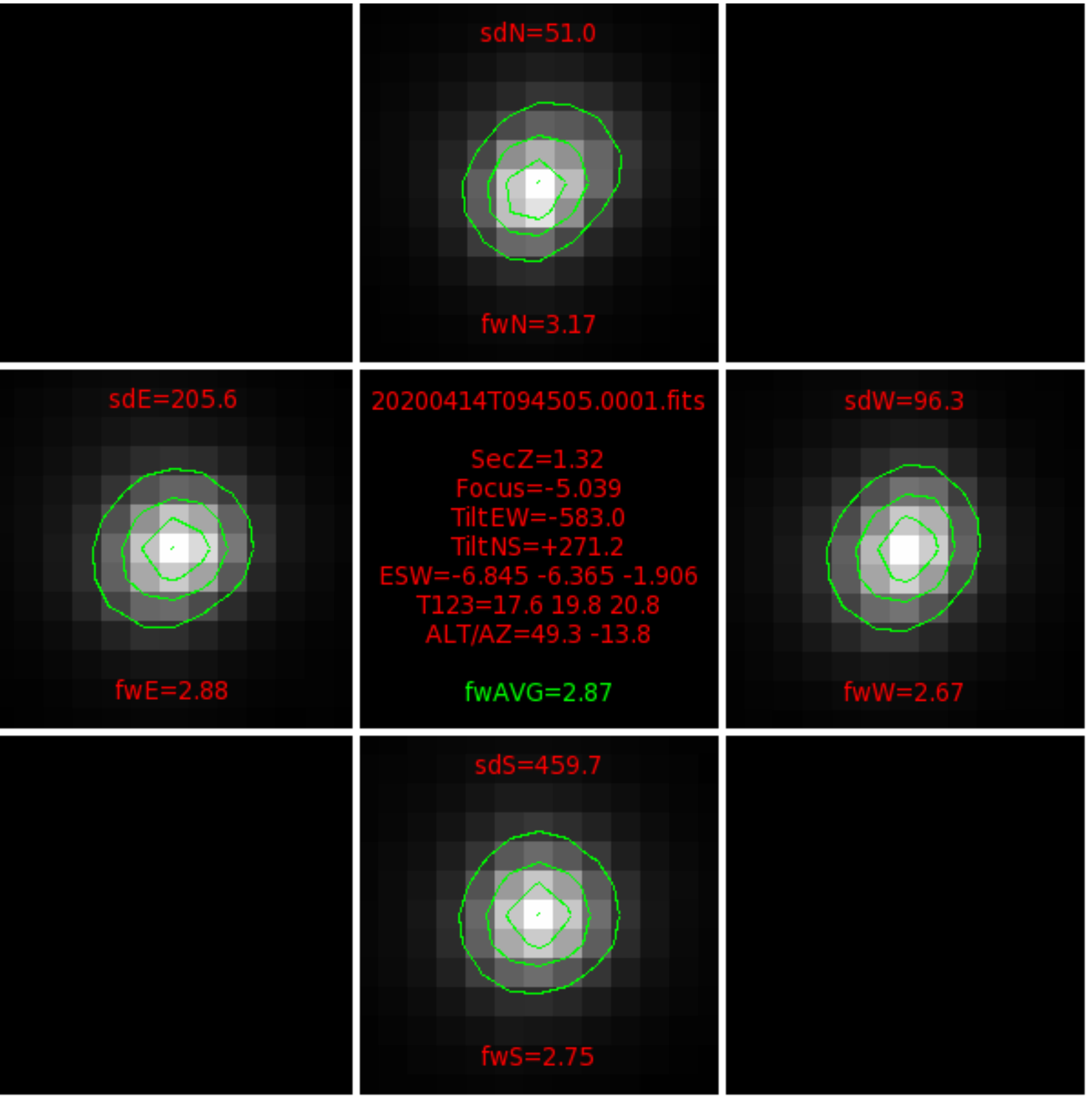
sdN=51.0
fwN=3.17
sdE=205.6
fwE=2.88
20200414T094505.0001.fits
SecZ=1.32
Focus=-5.039
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.845 -6.365 -1.906
T123=17.6 19.8 20.8
ALT/AZ=49.3 -13.8
fwAVG=2.87
sdW=96.3
fwW=2.67
sdS=459.7
fwS=2.75
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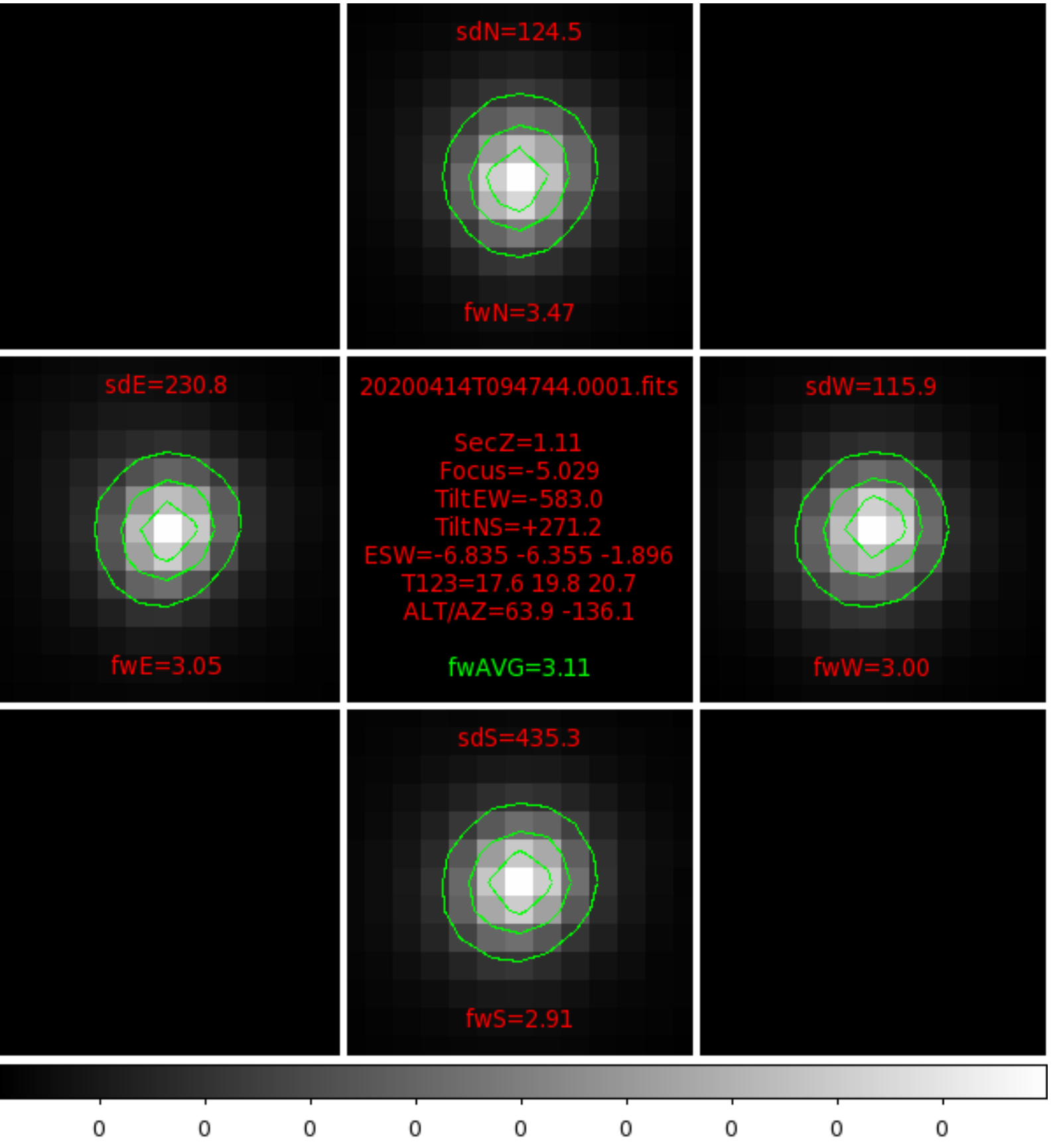
sdN=124.5
fwN=3.47
sdE=230.8
fwE=3.05
20200414T094744.0001.fits
SecZ=1.11
Focus=-5.029
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.835 -6.355 -1.896
T123=17.6 19.8 20.7
ALT/AZ=63.9 -136.1
fwAVG=3.11
sdW=115.9
fwW=3.00
sdS=435.3
fwS=2.91
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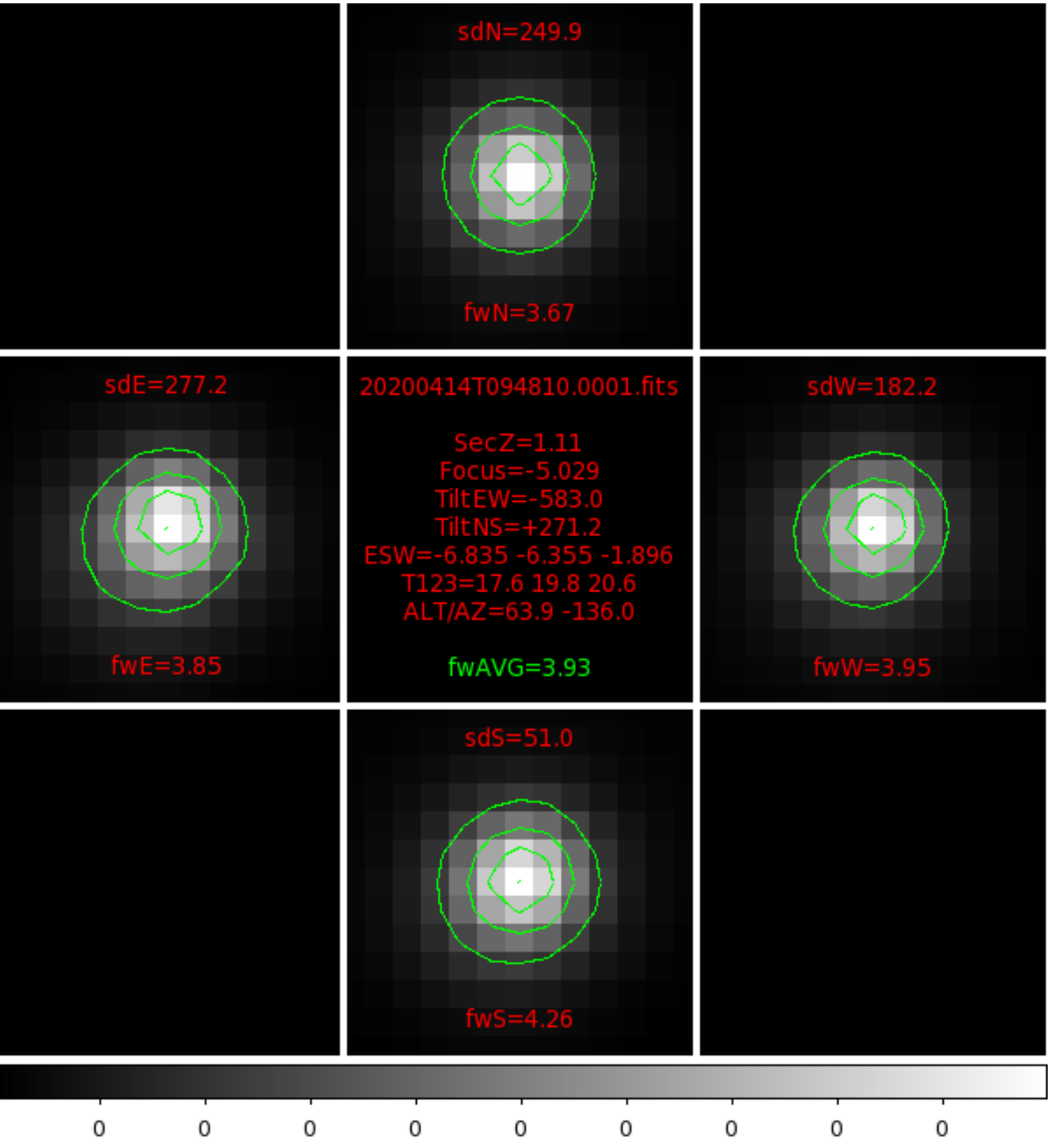
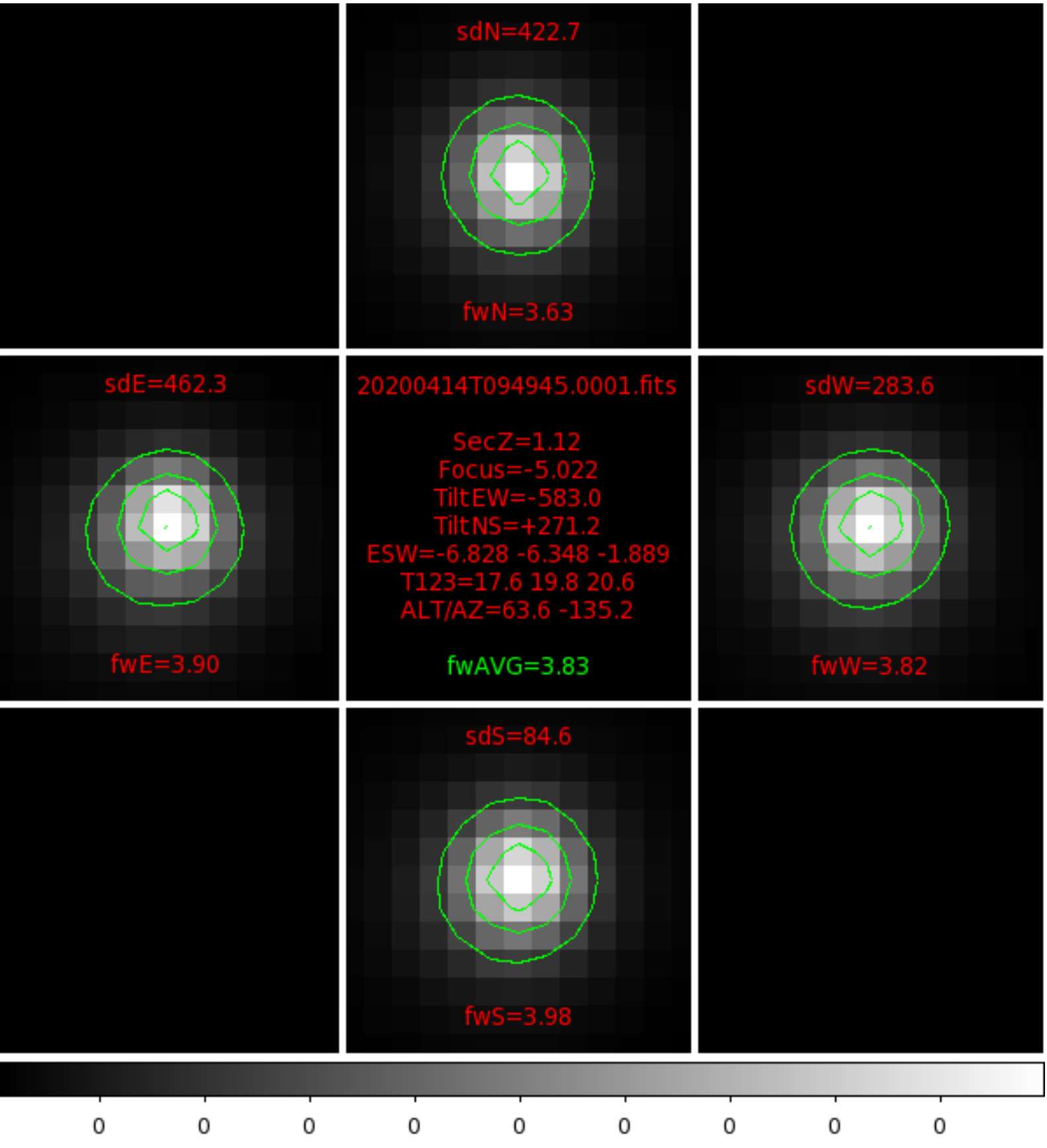

sdN=249.9
fwN=3.67
sdE=277.2
fwE=3.85
20200414T094810.0001.fits
SecZ=1.11
Focus=-5.029
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.835 -6.355 -1.896
T123=17.6 19.8 20.6
ALT/AZ=63.9 -136.0
fwAVG=3.93
sdW=182.2
fwW=3.95
sdS=51.0
fwS=4.26
0 0 0 0 0 0 0 0 0


sdN=422.7
fwN=3.63
sdE=462.3
fwE=3.90
20200414T094945.0001.fits
SecZ=1.12
Focus=-5.022
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.828 -6.348 -1.889
T123=17.6 19.8 20.6
ALT/AZ=63.6 -135.2
fwAVG=3.83
sdW=283.6
fwW=3.82
sdS=84.6
fwS=3.98
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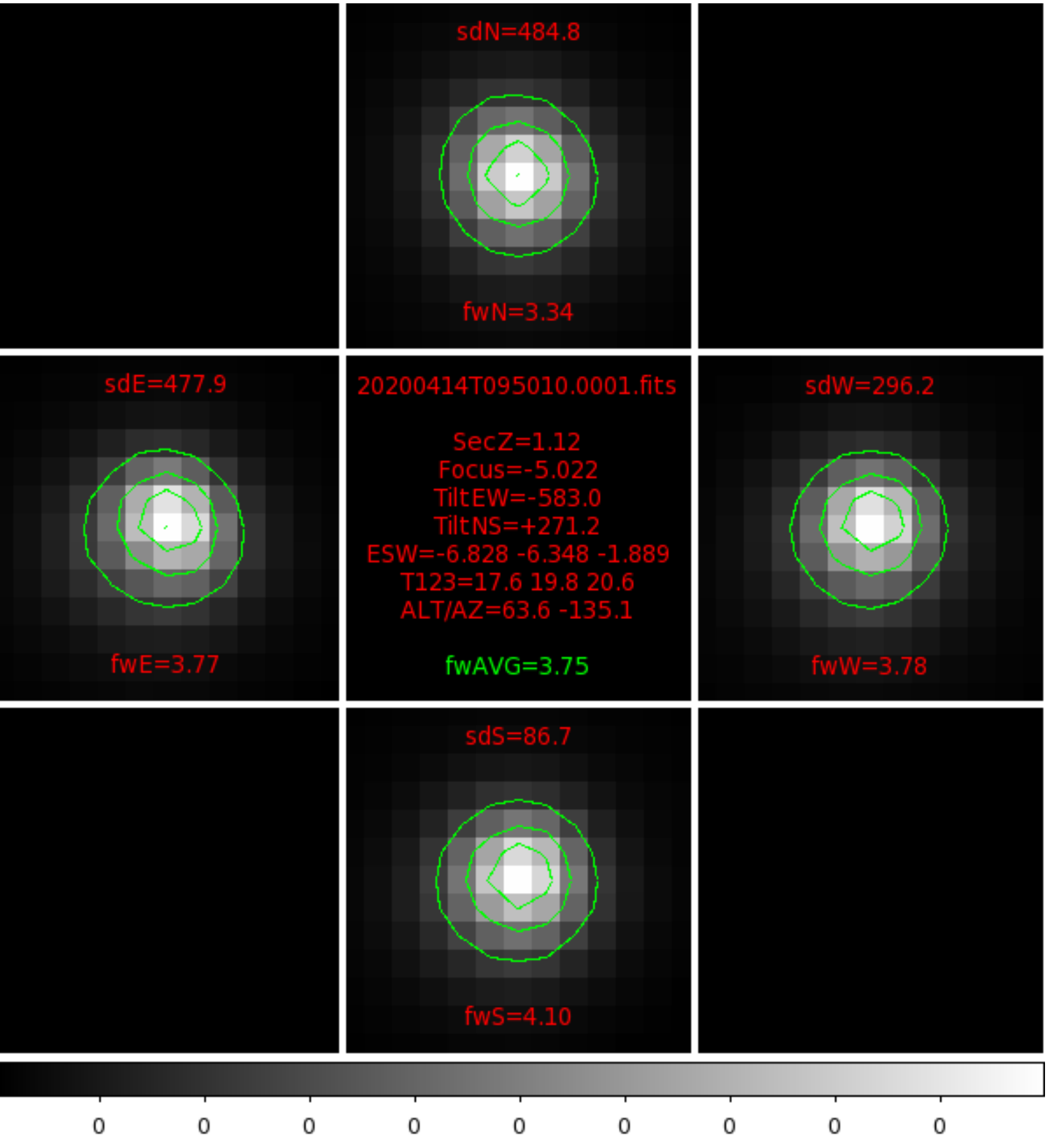
sdN=484.8
fwN=3.34
sdE=477.9
fwE=3.77
20200414T095010.0001.fits
SecZ=1.12
Focus=-5.022
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.828 -6.348 -1.889
T123=17.6 19.8 20.6
ALT/AZ=63.6 -135.1
fwAVG=3.75
sdW=296.2
fwW=3.78
sdS=86.7
fwS=4.10
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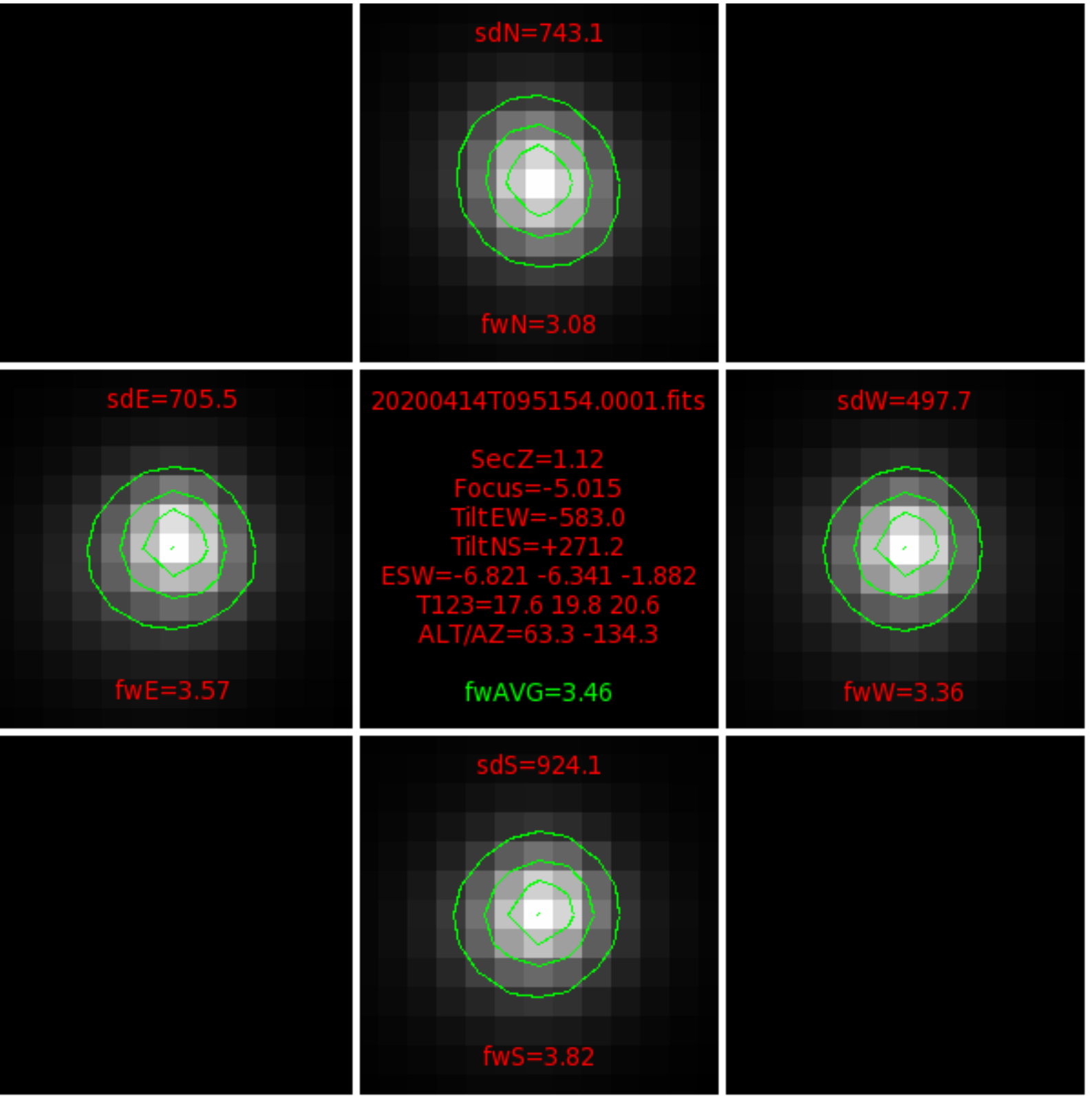
sdN=743.1
fwN=3.08
sdE=705.5
fwE=3.57
20200414T095154.0001.fits
SecZ=1.12
Focus=-5.015
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.821 -6.341 -1.882
T123=17.6 19.8 20.6
ALT/AZ=63.3 -134.3
fwAVG=3.46
sdW=497.7
fwW=3.36
sdS=924.1
fwS=3.82
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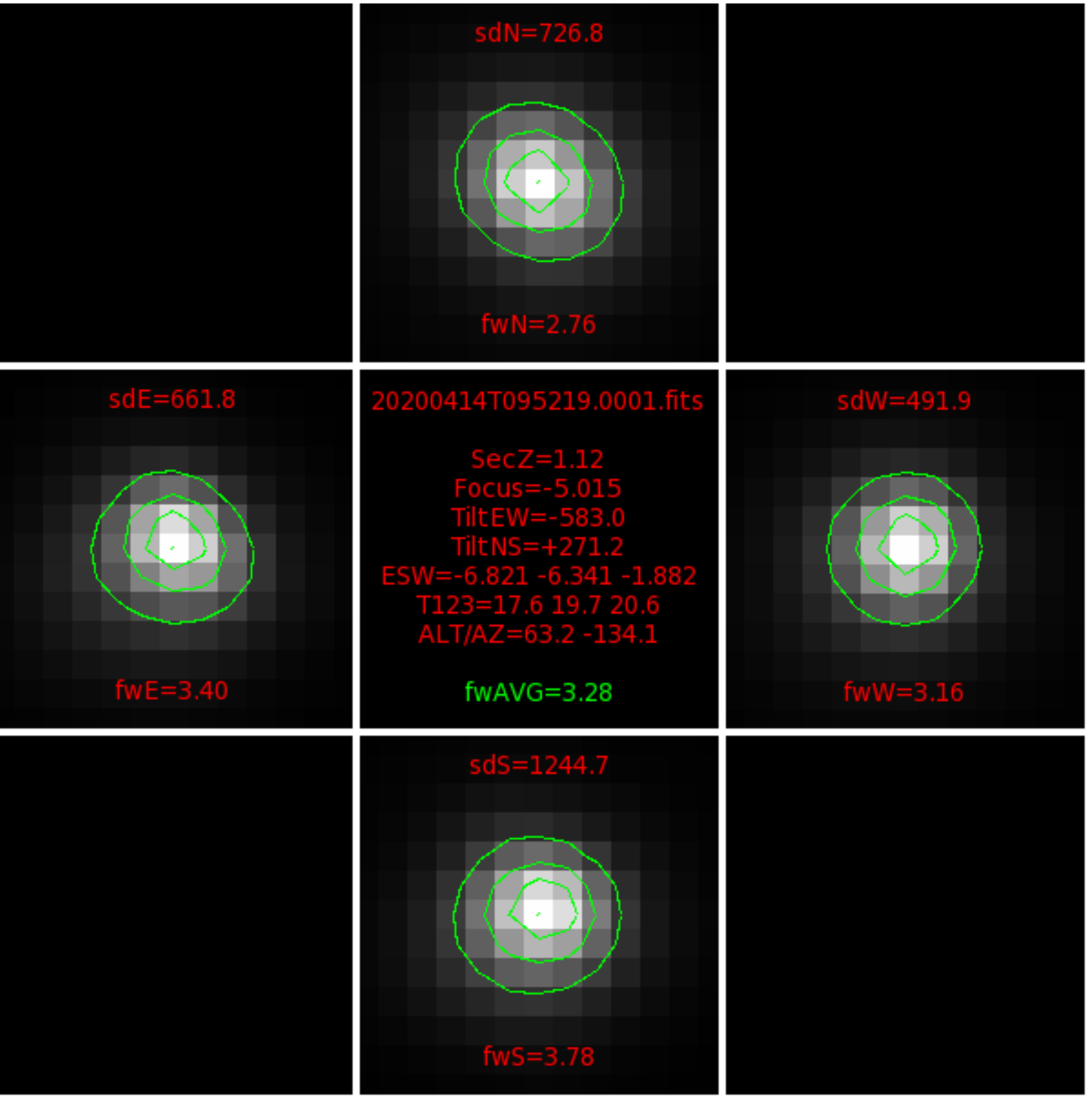
sdN=726.8
fwN=2.76
sdE=661.8
fwE=3.40
20200414T095219.0001.fits
SecZ=1.12
Focus=-5.015
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.821 -6.341 -1.882
T123=17.6 19.7 20.6
ALT/AZ=63.2 -134.1
fwAVG=3.28
sdW=491.9
fwW=3.16
sdS=1244.7
fwS=3.78
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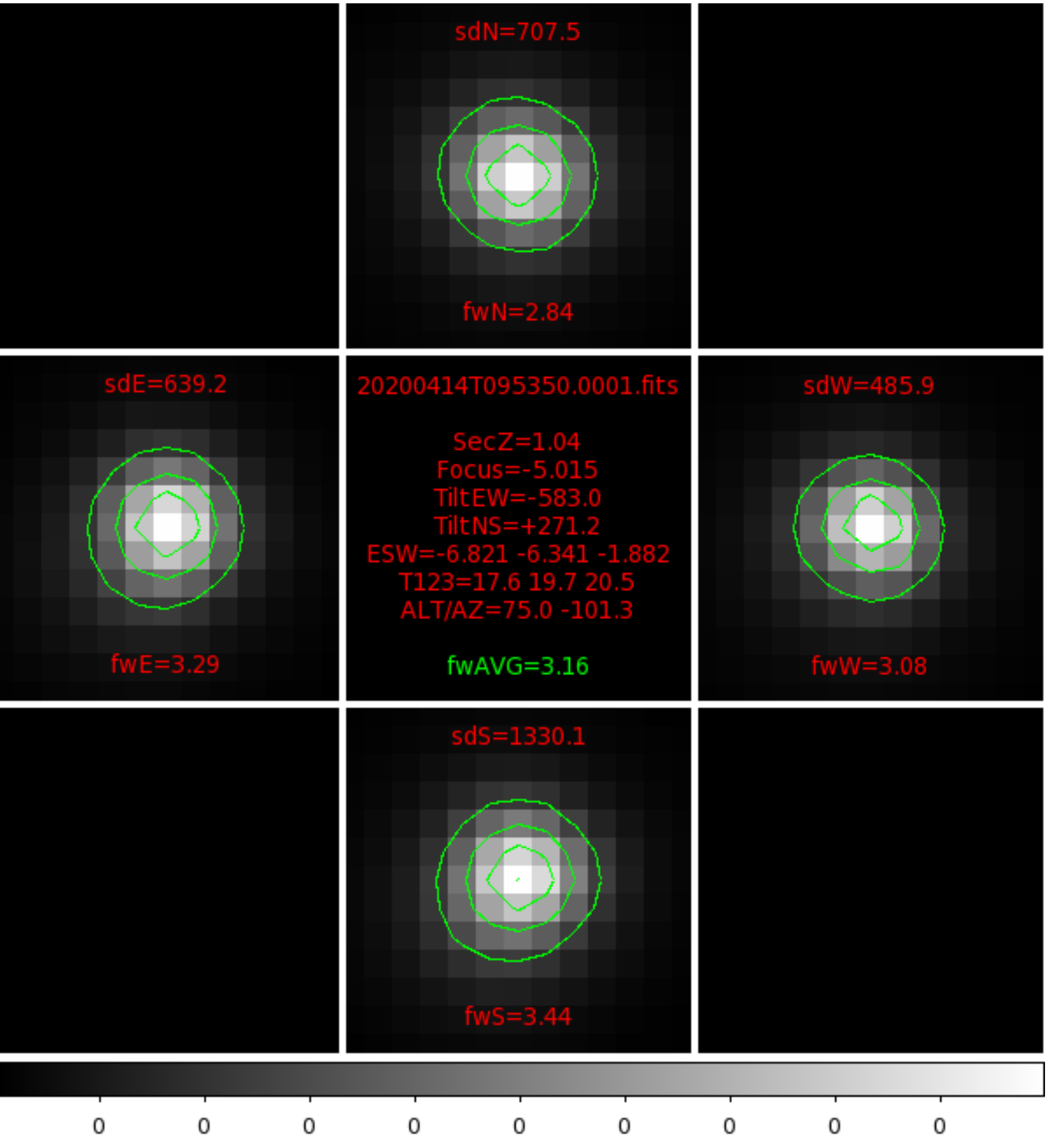
sdN=707.5
fwN=2.84
sdE=639.2
fwE=3.29
20200414T095350.0001.fits
SecZ=1.04
Focus=-5.015
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.821 -6.341 -1.882
T123=17.6 19.7 20.5
ALT/AZ=75.0 -101.3
fwAVG=3.16
sdW=485.9
fwW=3.08
sdS=1330.1
fwS=3.44
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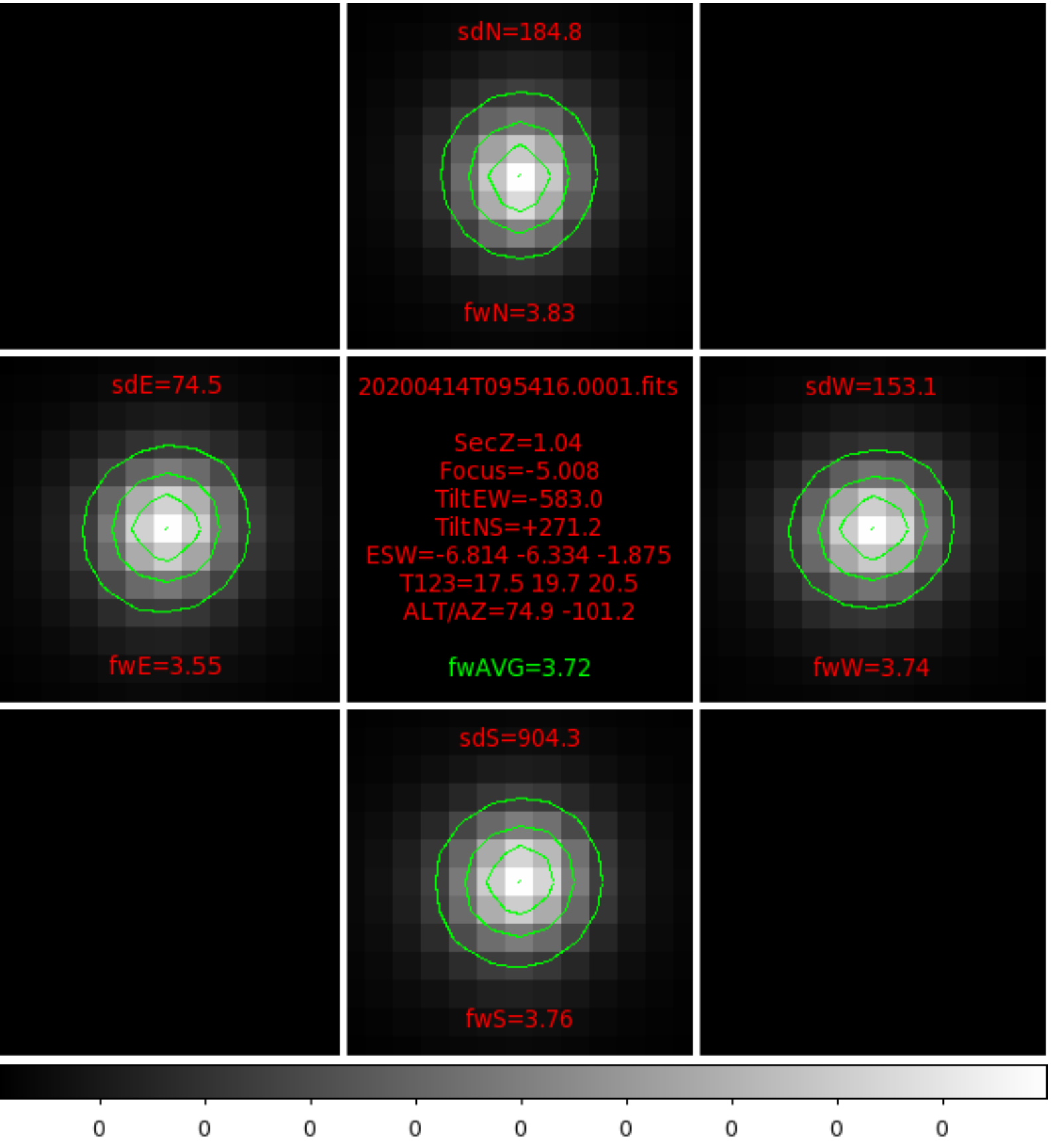
sdN=184.8
fwN=3.83
sdE=74.5
fwE=3.55
20200414T095416.0001.fits
SecZ=1.04
Focus=-5.008
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.814 -6.334 -1.875
T123=17.5 19.7 20.5
ALT/AZ=74.9 -101.2
fwAVG=3.72
sdW=153.1
fwW=3.74
sdS=904.3
fwS=3.76
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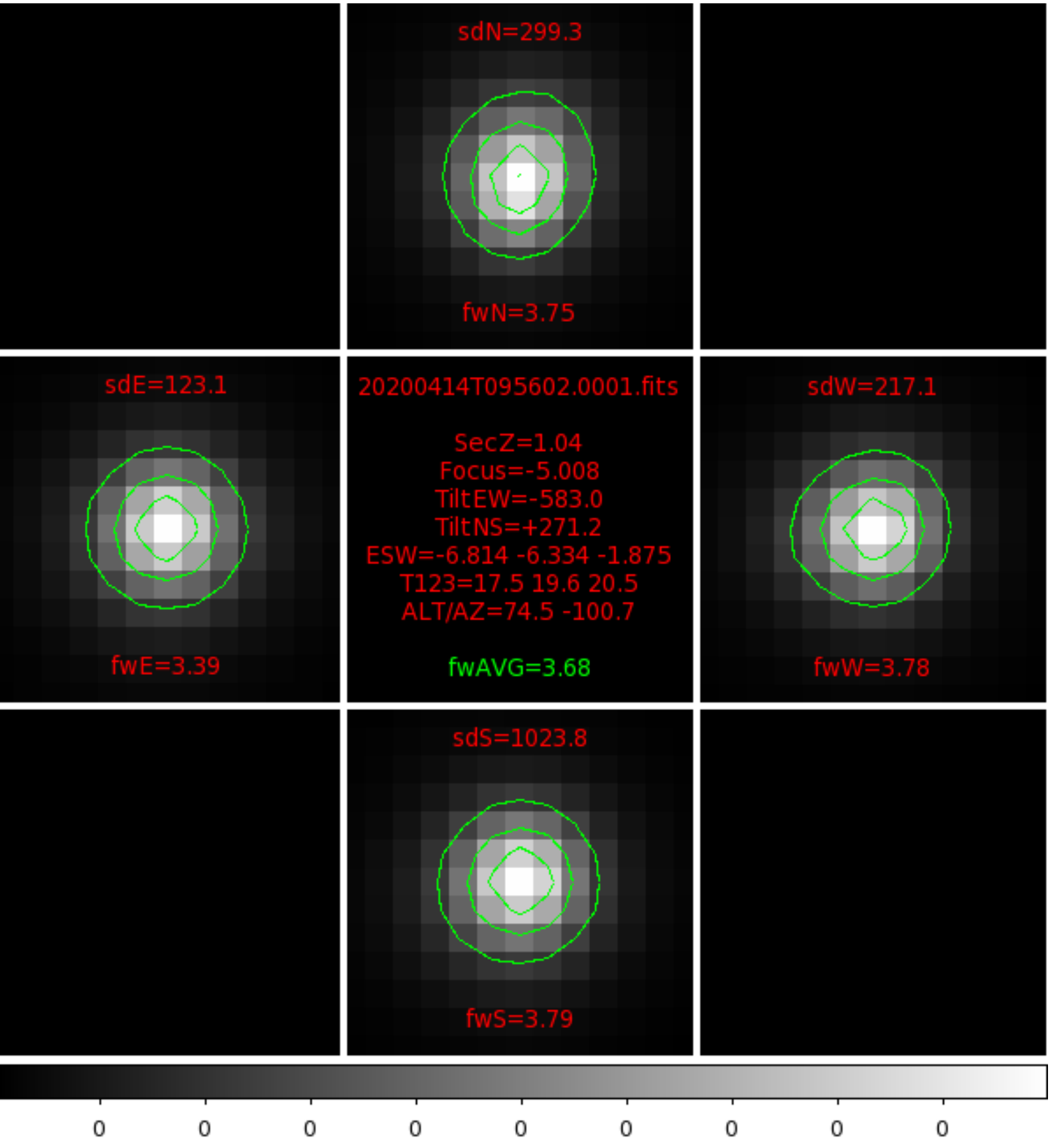
sdN=299.3
fwN=3.75
sdE=123.1
fwE=3.39
20200414T095602.0001.fits
SecZ=1.04
Focus=-5.008
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.814 -6.334 -1.875
T123=17.5 19.6 20.5
ALT/AZ=74.5 -100.7
fwAVG=3.68
sdW=217.1
fwW=3.78
sdS=1023.8
fwS=3.79
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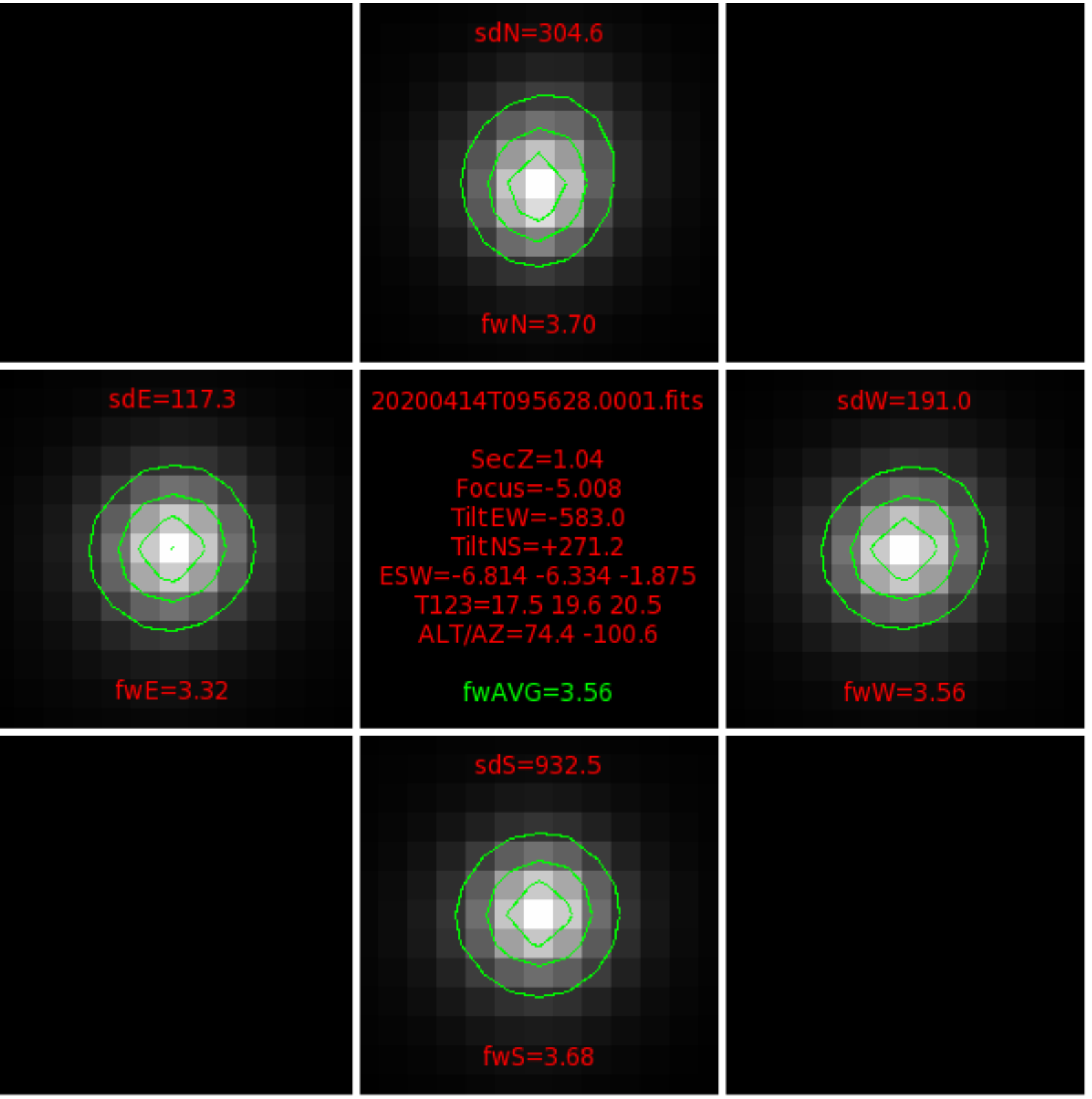
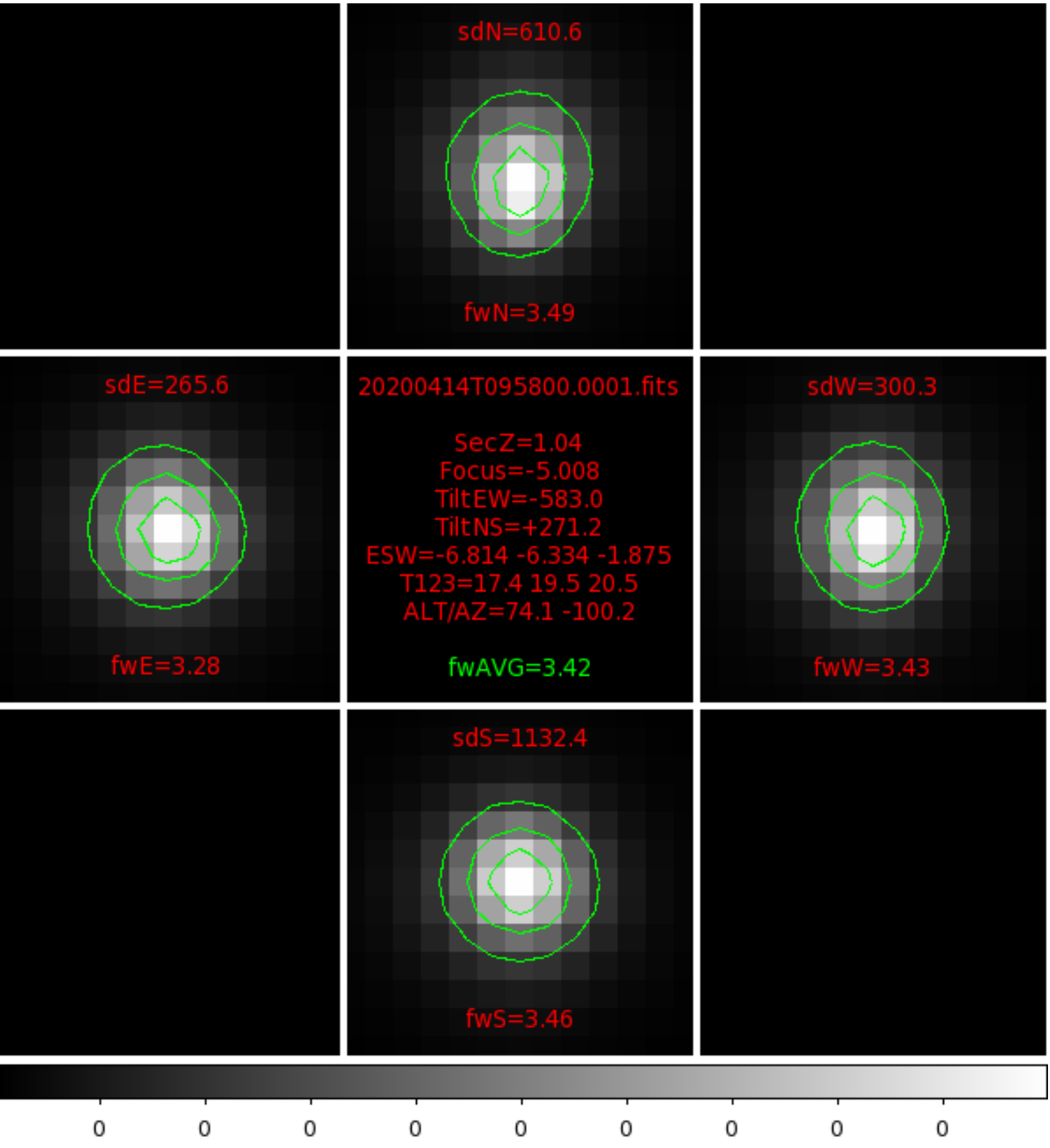

sdN=304.6
fwN=3.70
sdE=117.3
fwE=3.32
20200414T095628.0001.fits
SecZ=1.04
Focus=-5.008
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.814 -6.334 -1.875
T123=17.5 19.6 20.5
ALT/AZ=74.4 -100.6
fwAVG=3.56
sdW=191.0
fwW=3.56
sdS=932.5
fwS=3.68
0 0 0 0 0 0 0 0 0


sdN=610.6
fwN=3.49
sdE=265.6
fwE=3.28
20200414T095800.0001.fits
SecZ=1.04
Focus=-5.008
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.814 -6.334 -1.875
T123=17.4 19.5 20.5
ALT/AZ=74.1 -100.2
fwAVG=3.42
sdW=300.3
fwW=3.43
sdS=1132.4
fwS=3.46
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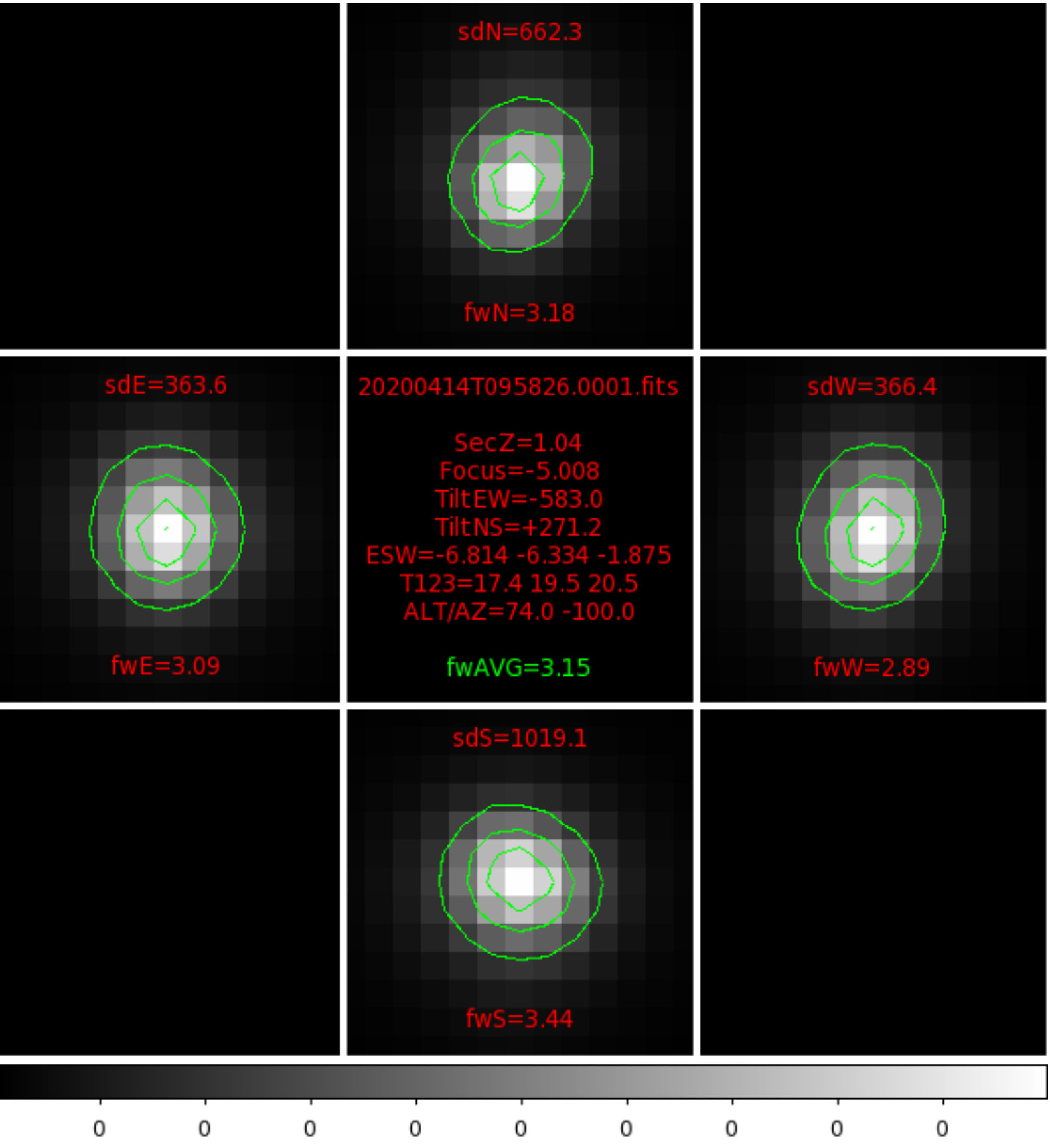
sdN=662.3
fwN=3.18
sdE=363.6
fwE=3.09
20200414T095826.0001.fits
SecZ=1.04
Focus=-5.008
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.814 -6.334 -1.875
T123=17.4 19.5 20.5
ALT/AZ=74.0 -100.0
fwAVG=3.15
sdW=366.4
fwW=2.89
sdS=1019.1
fwS=3.44
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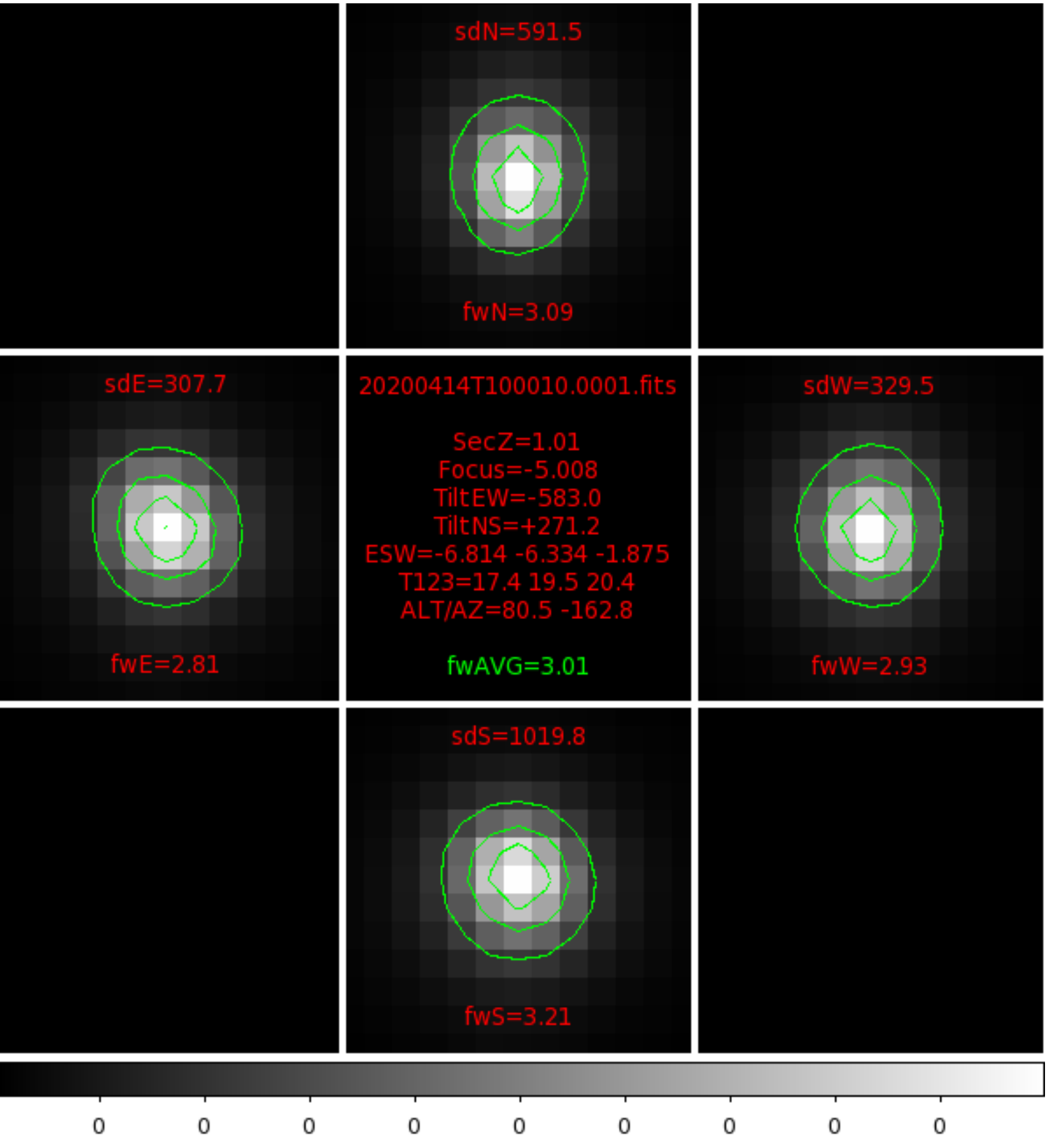
sdN=591.5
fwN=3.09
sdE=307.7
fwE=2.81
20200414T100010.0001.fits
SecZ=1.01
Focus=-5.008
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.814 -6.334 -1.875
T123=17.4 19.5 20.4
ALT/AZ=80.5 -162.8
fwAVG=3.01
sdW=329.5
fwW=2.93
sdS=1019.8
fwS=3.21
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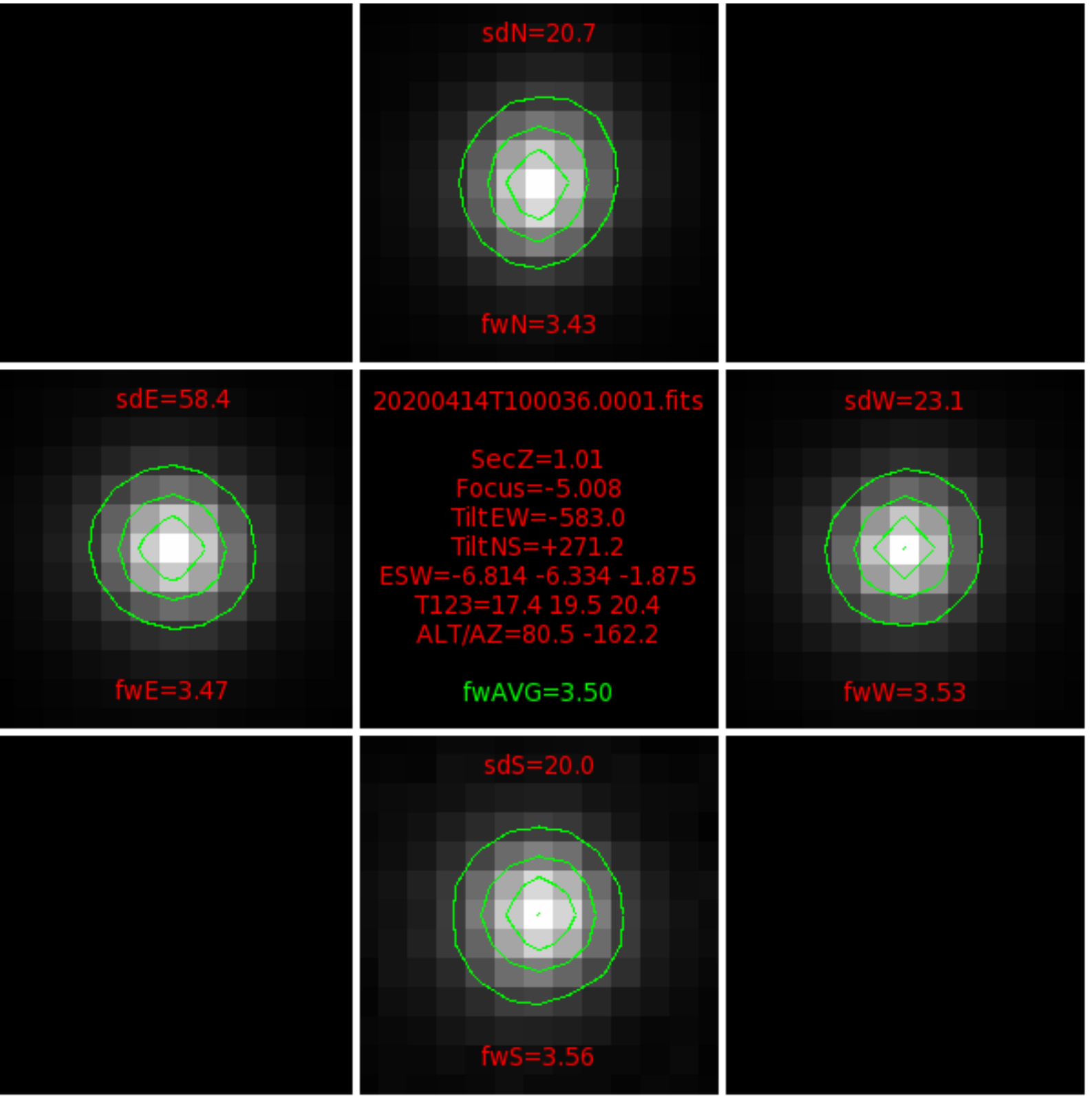
sdN=20.7
fwN=3.43
sdE=58.4
fwE=3.47
20200414T100036.0001.fits
SecZ=1.01
Focus=-5.008
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.814 -6.334 -1.875
T123=17.4 19.5 20.4
ALT/AZ=80.5 -162.2
fwAVG=3.50
sdW=23.1
fwW=3.53
sdS=20.0
fwS=3.56
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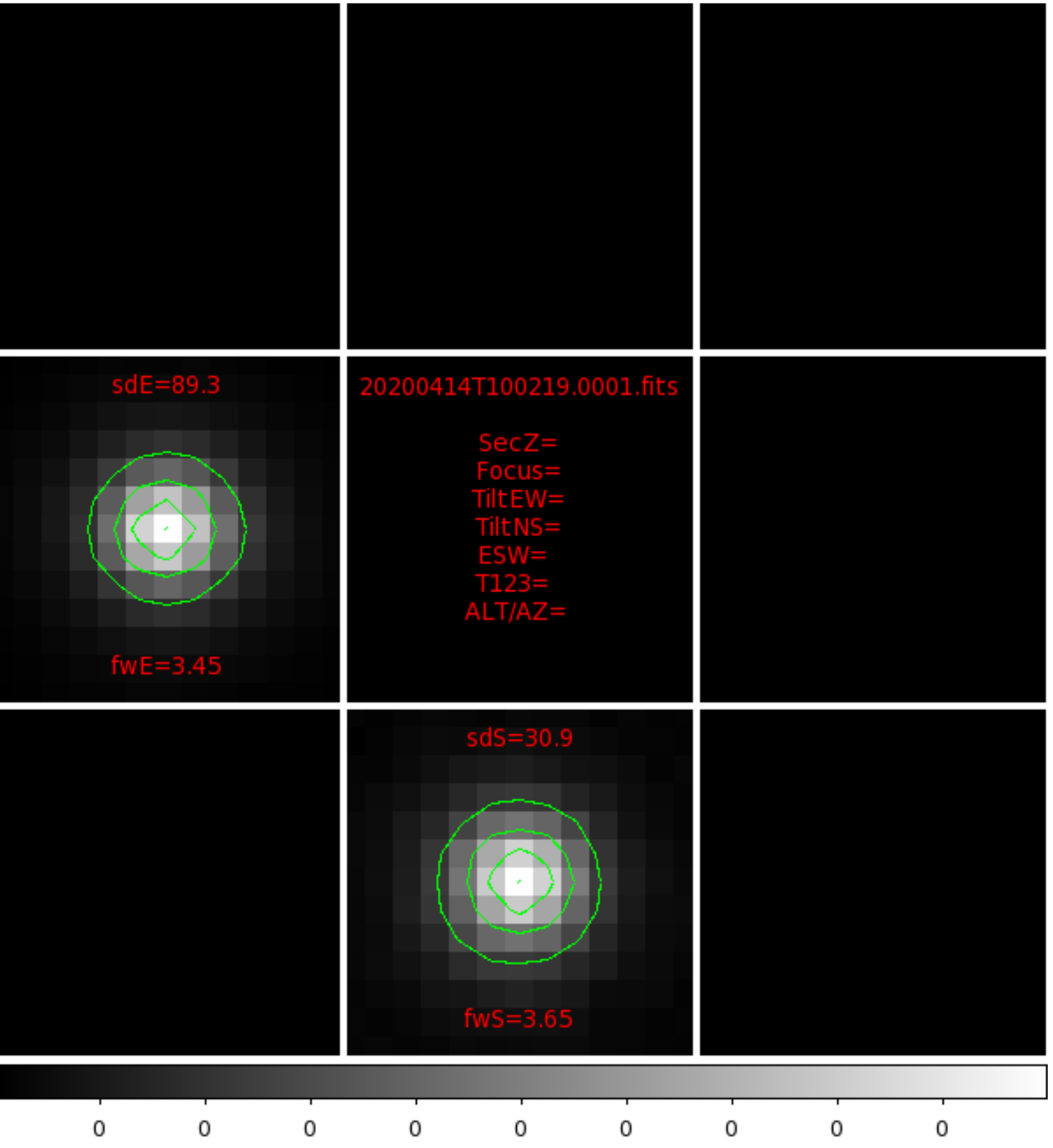
sdE=89.3
20200414T100219.0001.fits
SecZ=
Focus=
TiltEW=
TiltNS=
ESW=
T123=
ALT/AZ=
fwE=3.45
sdS=30.9
fwS=3.65
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0
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0
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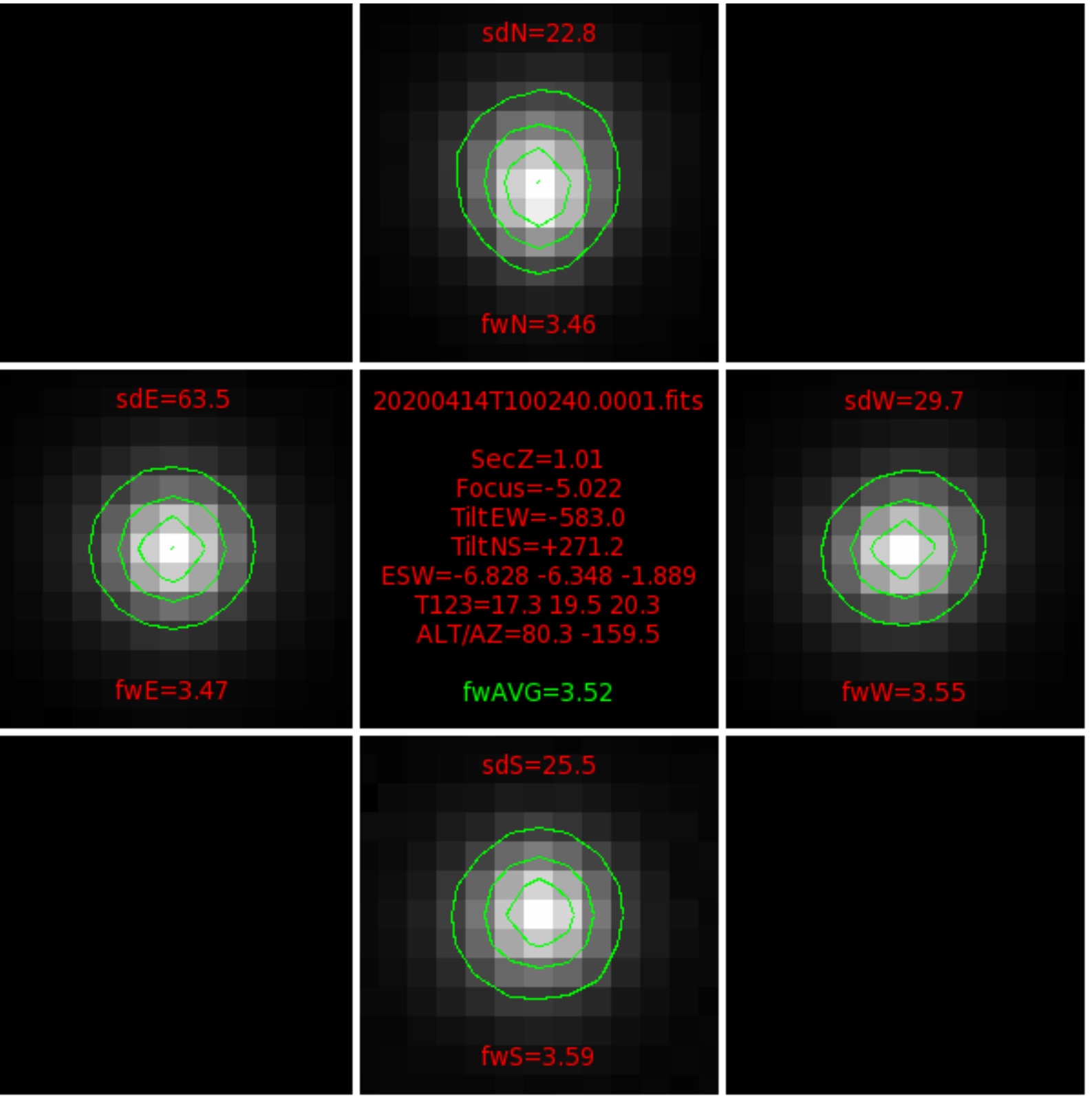
0


sdN=22.8
fwN=3.46
sdE=63.5
fwE=3.47
20200414T100240.0001.fits
SecZ=1.01
Focus=-5.022
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.828 -6.348 -1.889
T123=17.3 19.5 20.3
ALT/AZ=80.3 -159.5
fwAVG=3.52
sdW=29.7
fwW=3.55
sdS=25.5
fwS=3.59
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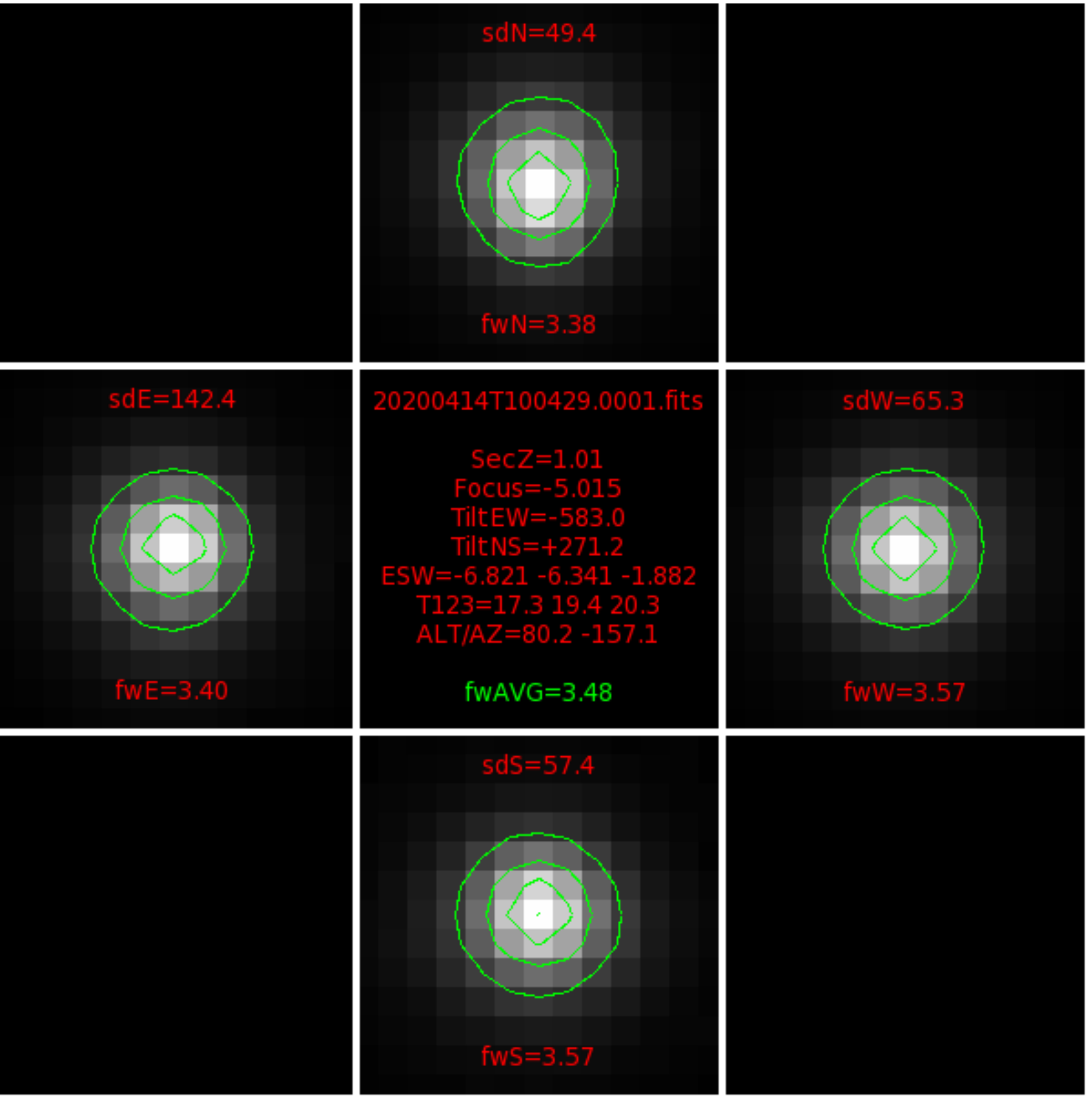
sdN=49.4
fwN=3.38
sdE=142.4
fwE=3.40
20200414T100429.0001.fits
SecZ=1.01
Focus=-5.015
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.821 -6.341 -1.882
T123=17.3 19.4 20.3
ALT/AZ=80.2 -157.1
fwAVG=3.48
sdW=65.3
fwW=3.57
sdS=57.4
fwS=3.57
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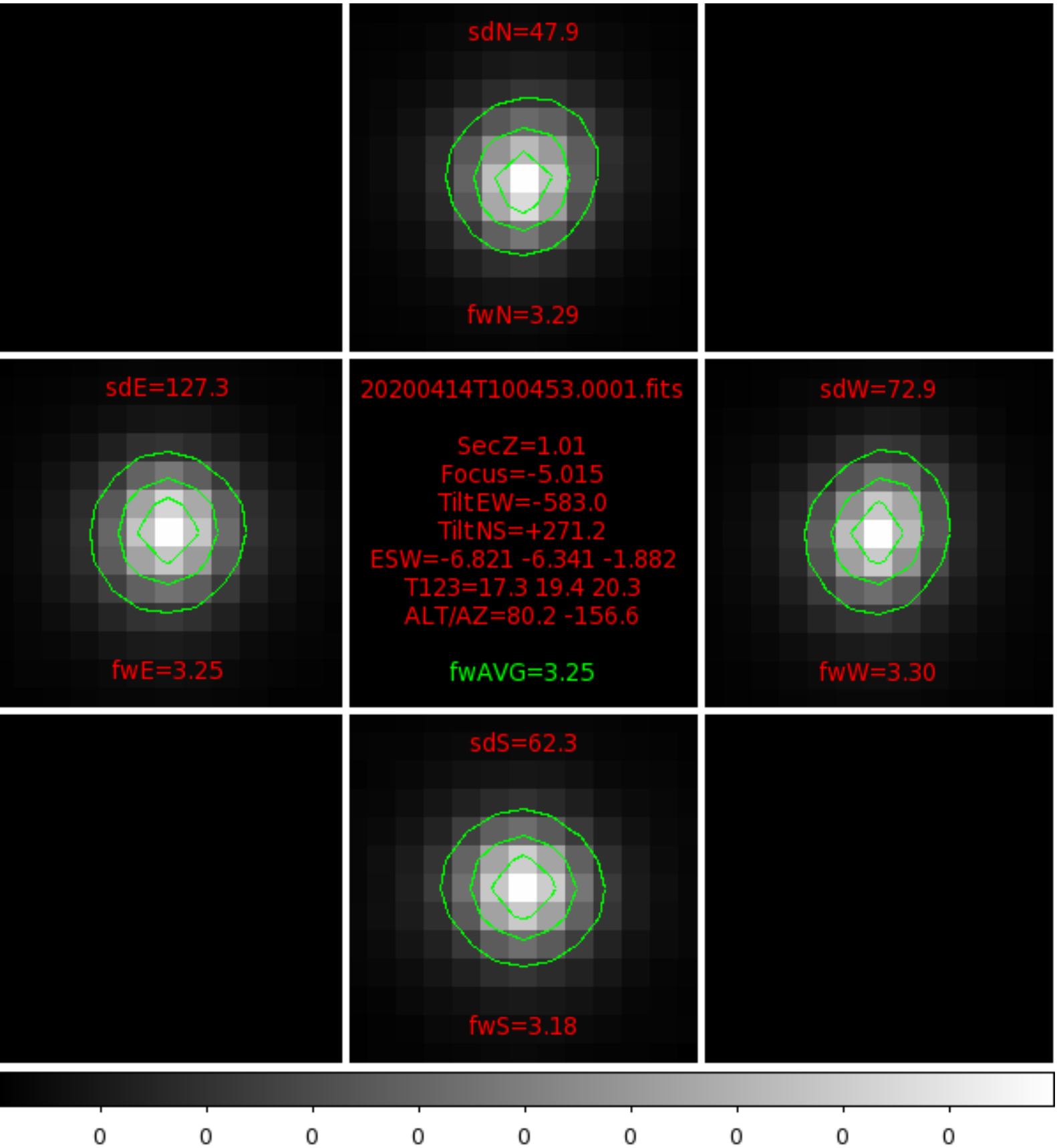
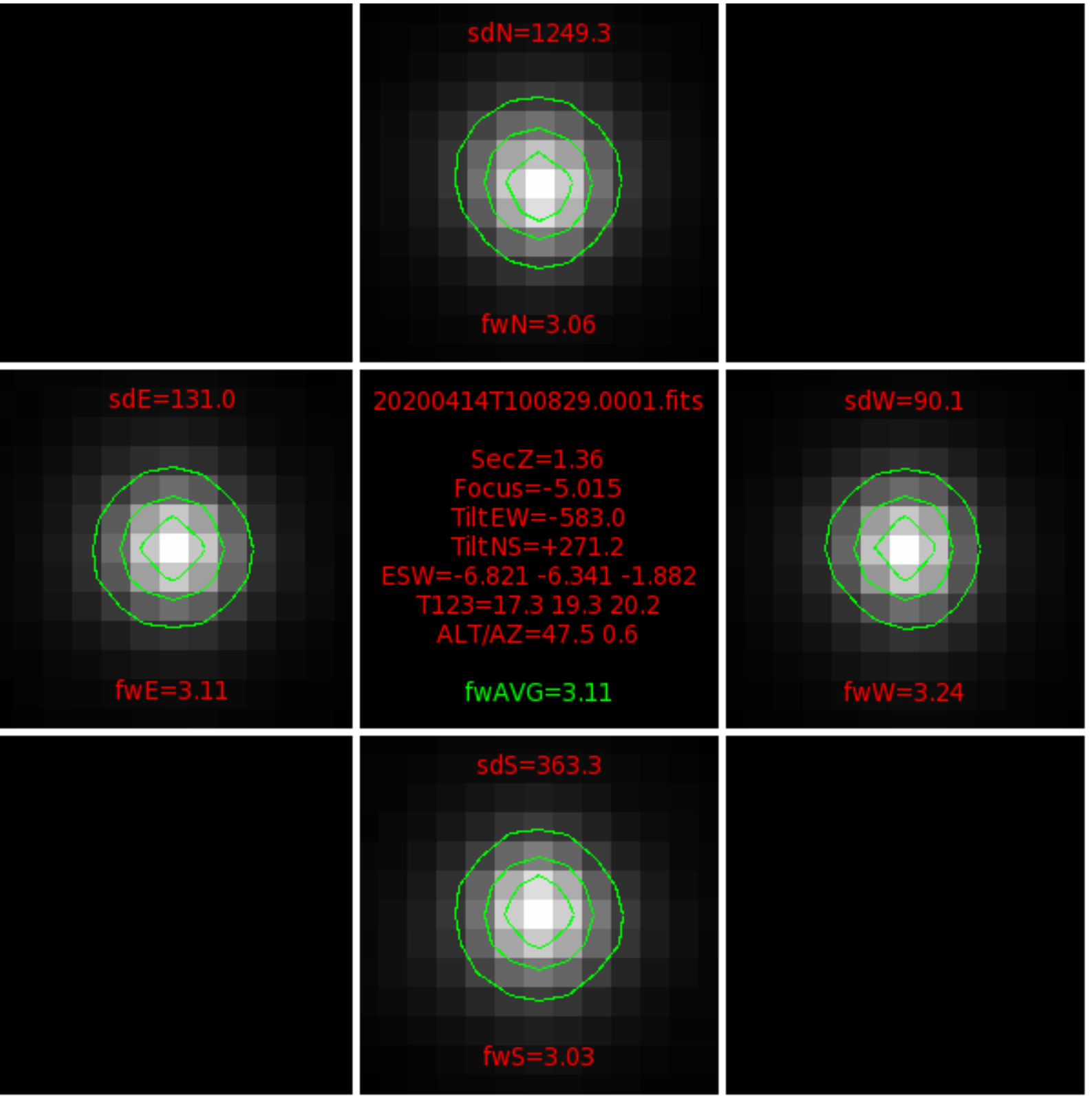
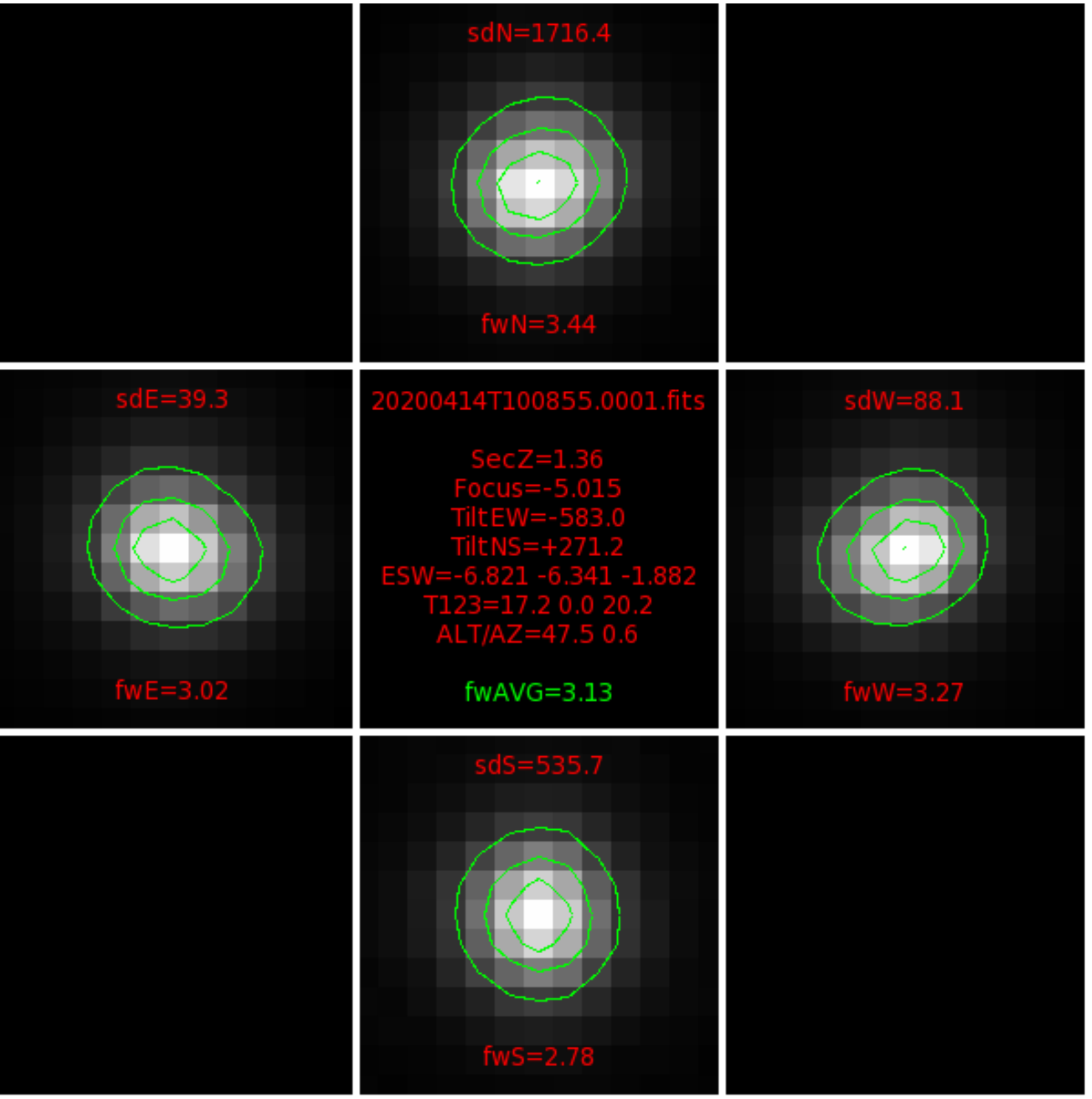
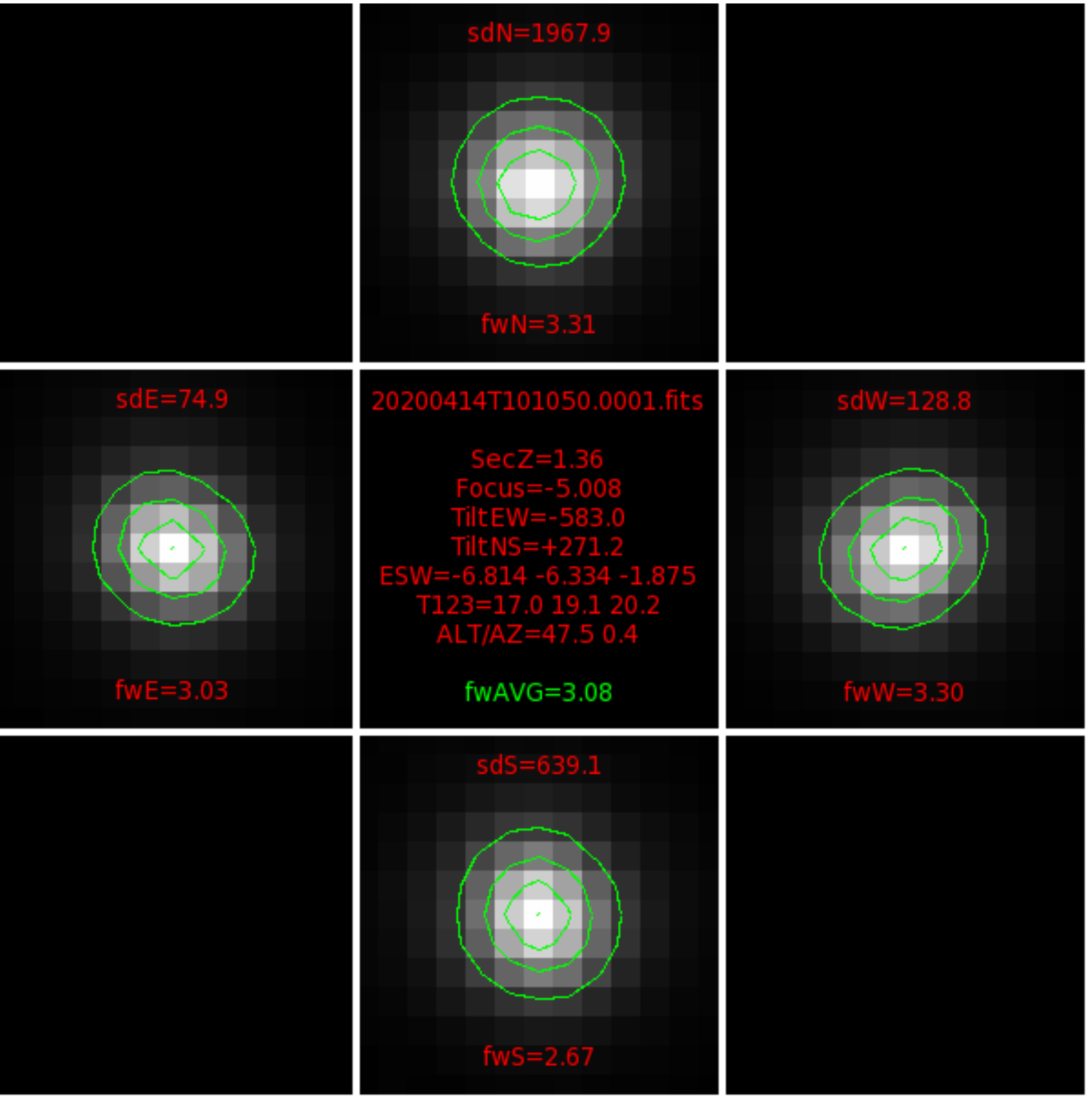

sdN=47.9
fwN=3.29
sdE=127.3
fwE=3.25
20200414T100453.0001.fits
SecZ=1.01
Focus=-5.015
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.821 -6.341 -1.882
T123=17.3 19.4 20.3
ALT/AZ=80.2 -156.6
fwAVG=3.25
sdW=72.9
fwW=3.30
sdS=62.3
fwS=3.18
0 0 0 0 0 0 0 0 0


sdN=1249.3
fwN=3.06
sdE=131.0
fwE=3.11
20200414T100829.0001.fits
SecZ=1.36
Focus=-5.015
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.821 -6.341 -1.882
T123=17.3 19.3 20.2
ALT/AZ=47.5 0.6
fwAVG=3.11
sdW=90.1
fwW=3.24
sdS=363.3
fwS=3.03
0 0 0 0 0 0 0 0 0


sdN=1716.4
fwN=3.44
sdE=39.3
fwE=3.02
20200414T100855.0001.fits
SecZ=1.36
Focus=-5.015
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.821 -6.341 -1.882
T123=17.2 0.0 20.2
ALT/AZ=47.5 0.6
fwAVG=3.13
sdW=88.1
fwW=3.27
sdS=535.7
fwS=2.78
0 0 0 0 0 0 0 0 0


sdN=1967.9
fwN=3.31
sdE=74.9
fwE=3.03
20200414T101050.0001.fits
SecZ=1.36
Focus=-5.008
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.814 -6.334 -1.875
T123=17.0 19.1 20.2
ALT/AZ=47.5 0.4
fwAVG=3.08
sdW=128.8
fwW=3.30
sdS=639.1
fwS=2.67
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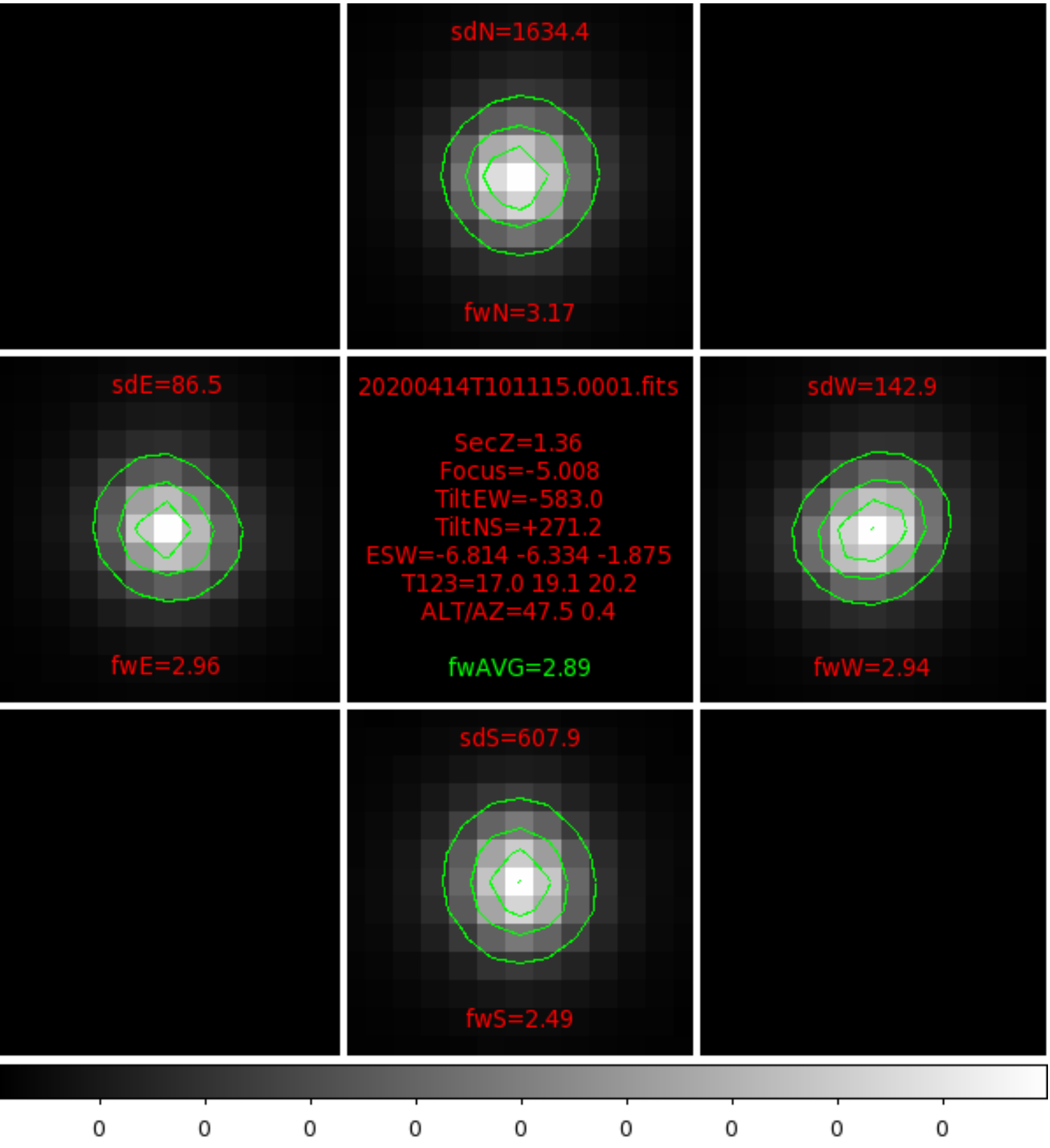
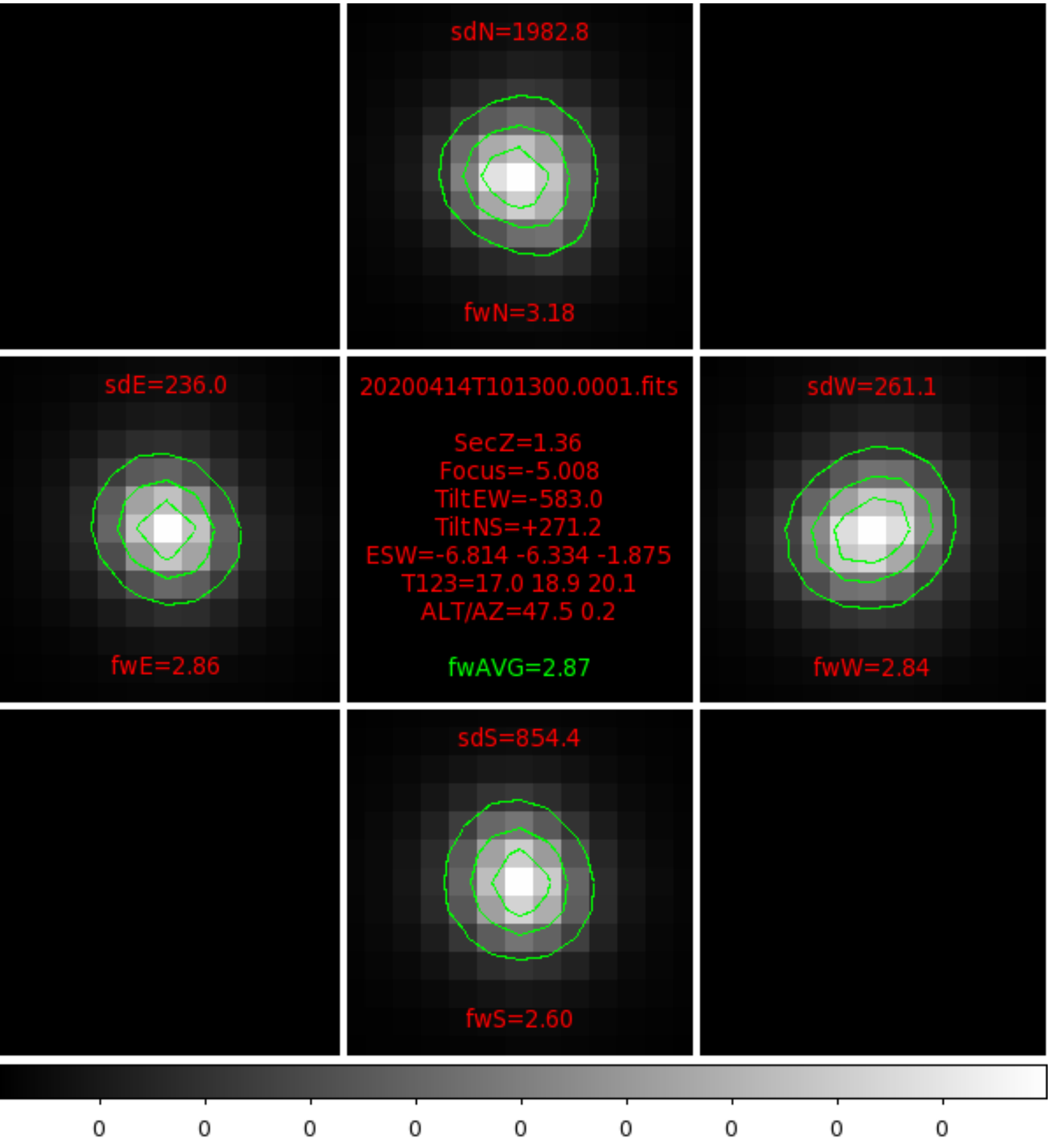
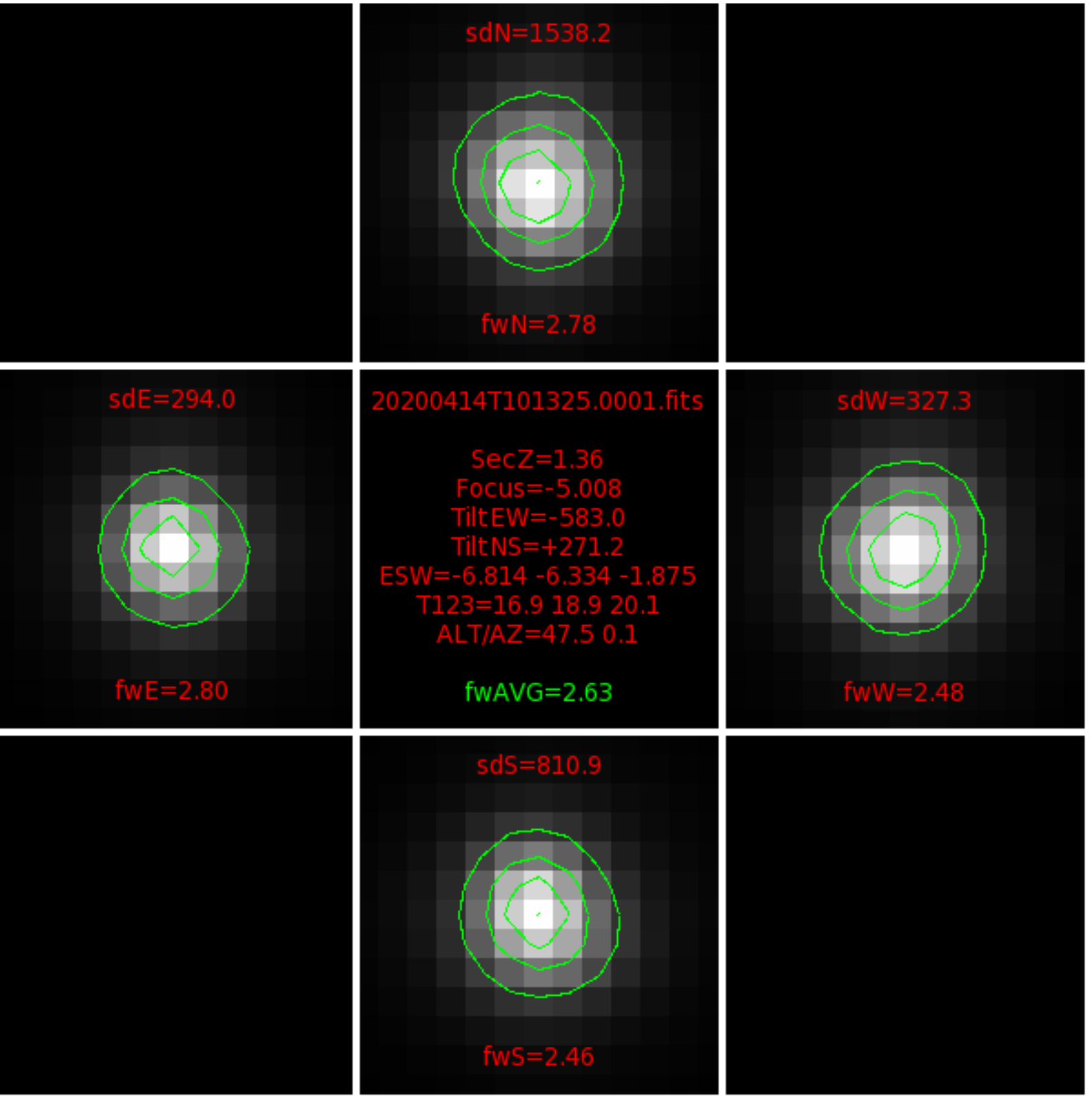

sdN=1634.4
fwN=3.17
sdE=86.5
fwE=2.96
20200414T101115.0001.fits
SecZ=1.36
Focus=-5.008
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.814 -6.334 -1.875
T123=17.0 19.1 20.2
ALT/AZ=47.5 0.4
fwAVG=2.89
sdW=142.9
fwW=2.94
sdS=607.9
fwS=2.49
0 0 0 0 0 0 0 0 0


sdN=1982.8
fwN=3.18
sdE=236.0
fwE=2.86
20200414T101300.0001.fits
SecZ=1.36
Focus=-5.008
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.814 -6.334 -1.875
T123=17.0 18.9 20.1
ALT/AZ=47.5 0.2
fwAVG=2.87
sdW=261.1
fwW=2.84
sdS=854.4
fwS=2.60
0 0 0 0 0 0 0 0 0


sdN=1538.2
fwN=2.78
sdE=294.0
fwE=2.80
20200414T101325.0001.fits
SecZ=1.36
Focus=-5.008
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.814 -6.334 -1.875
T123=16.9 18.9 20.1
ALT/AZ=47.5 0.1
fwAVG=2.63
sdW=327.3
fwW=2.48
sdS=810.9
fwS=2.46
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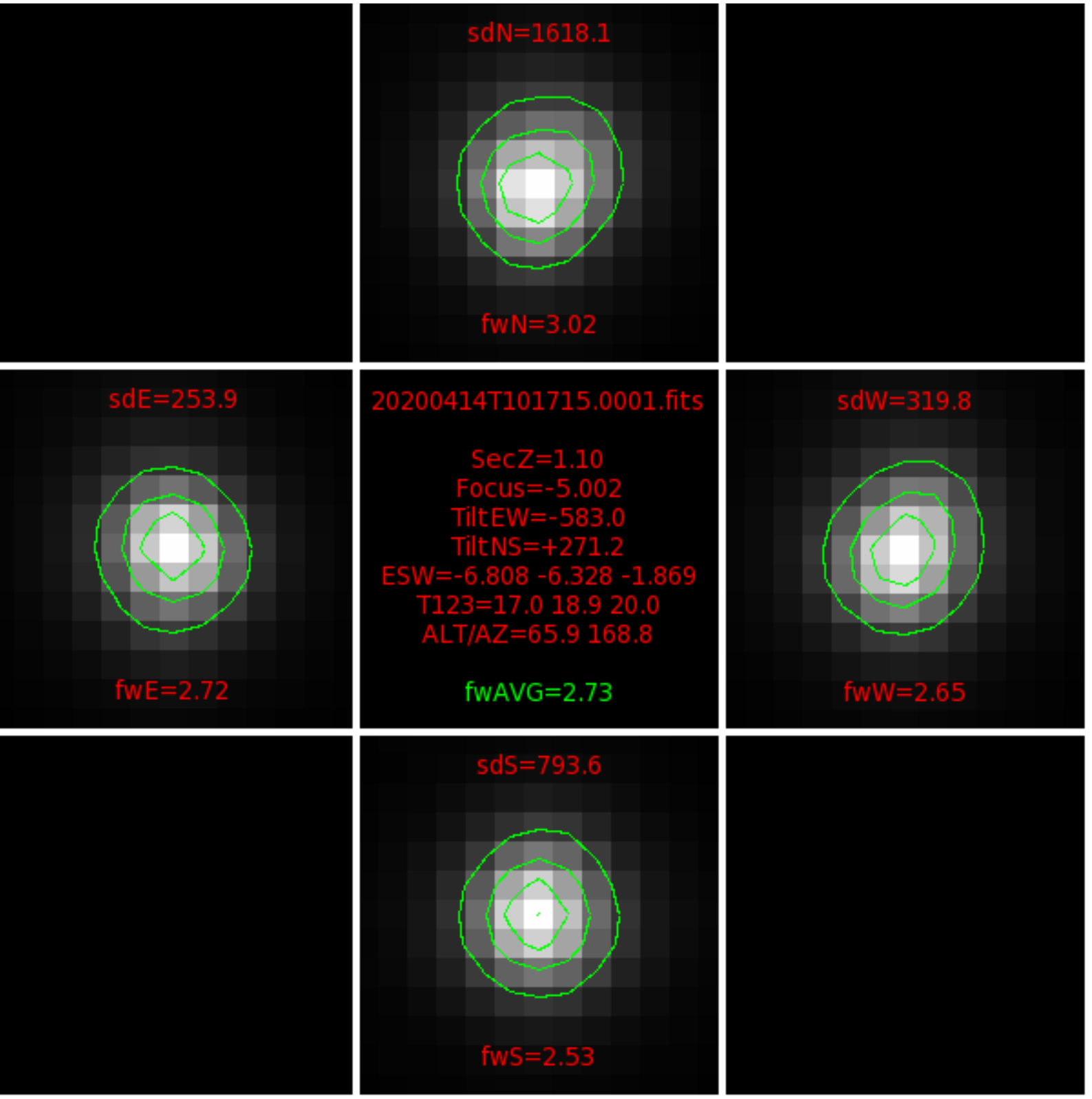
sdN=1618.1
fwN=3.02
sdE=253.9
fwE=2.72
20200414T101715.0001.fits
SecZ=1.10
Focus=-5.002
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.808 -6.328 -1.869
T123=17.0 18.9 20.0
ALT/AZ=65.9 168.8
fwAVG=2.73
sdW=319.8
fwW=2.65
sdS=793.6
fwS=2.53
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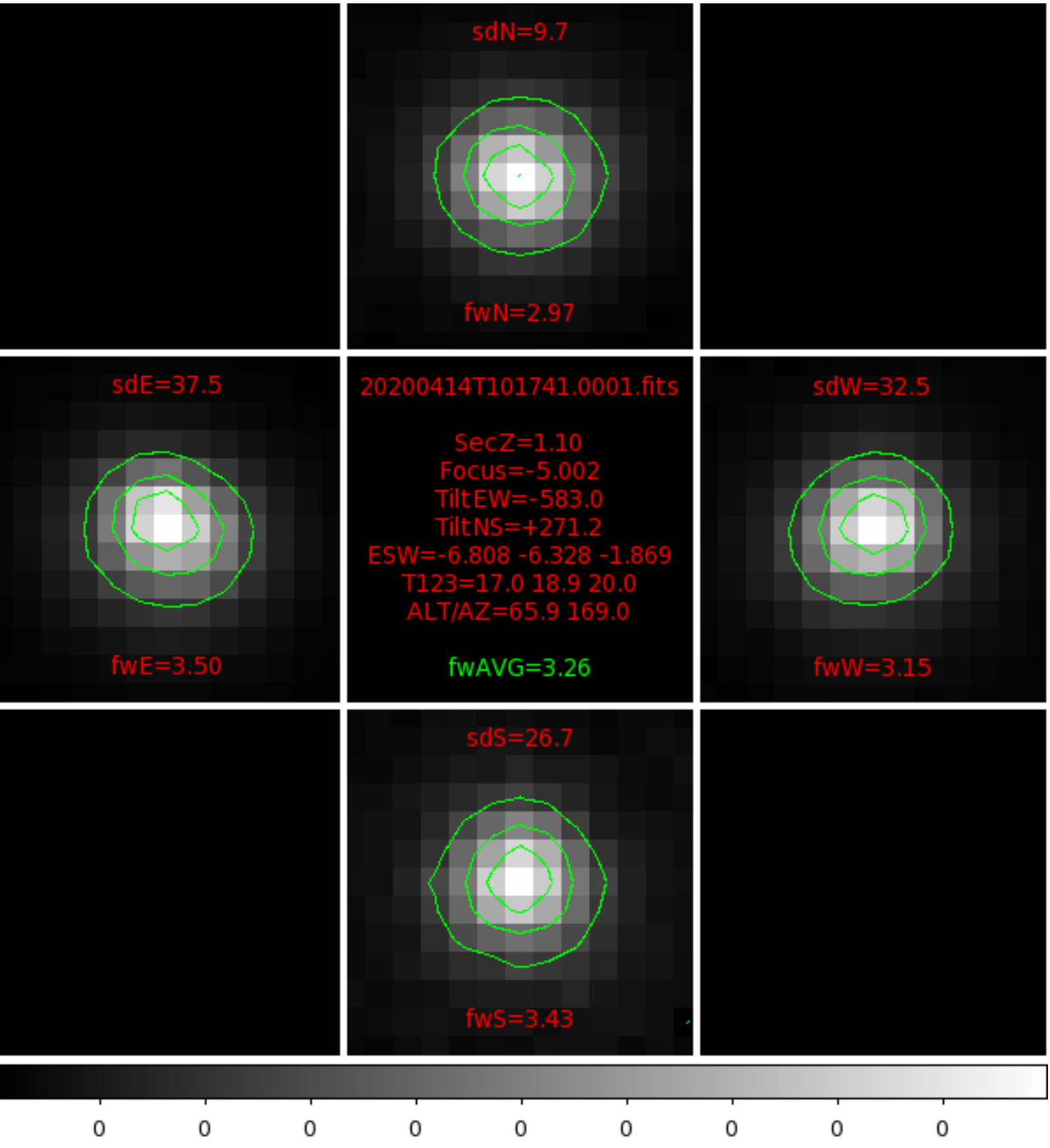
sdN=9.7
fwN=2.97
sdE=37.5
fwE=3.50
20200414T101741.0001.fits
SecZ=1.10
Focus=-5.002
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.808 -6.328 -1.869
T123=17.0 18.9 20.0
ALT/AZ=65.9 169.0
fwAVG=3.26
sdW=32.5
fwW=3.15
sdS=26.7
fwS=3.43
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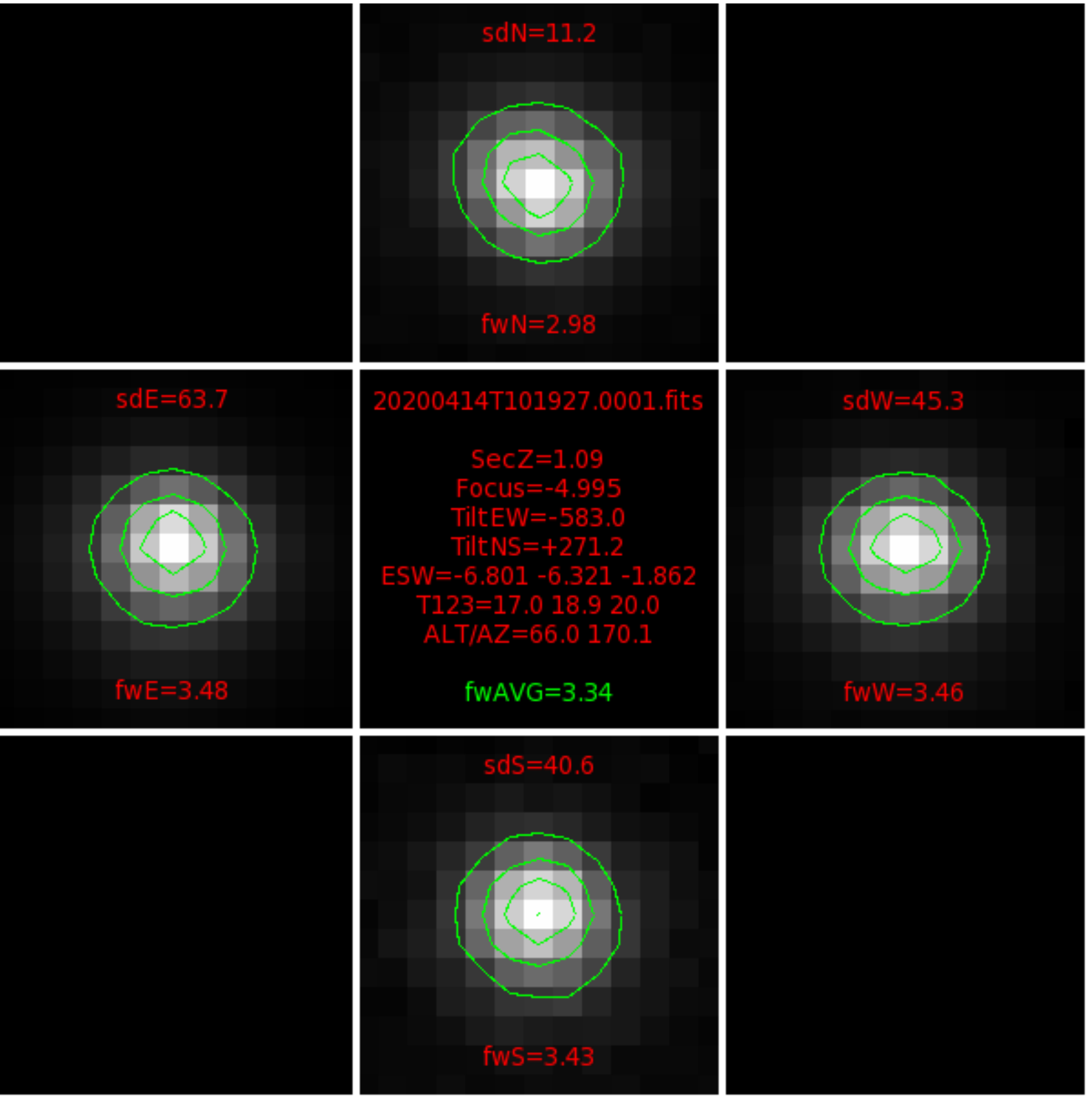
sdN=11.2
fwN=2.98
sdE=63.7
fwE=3.48
20200414T101927.0001.fits
SecZ=1.09
Focus=-4.995
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.801 -6.321 -1.862
T123=17.0 18.9 20.0
ALT/AZ=66.0 170.1
fwAVG=3.34
sdW=45.3
fwW=3.46
sdS=40.6
fwS=3.43
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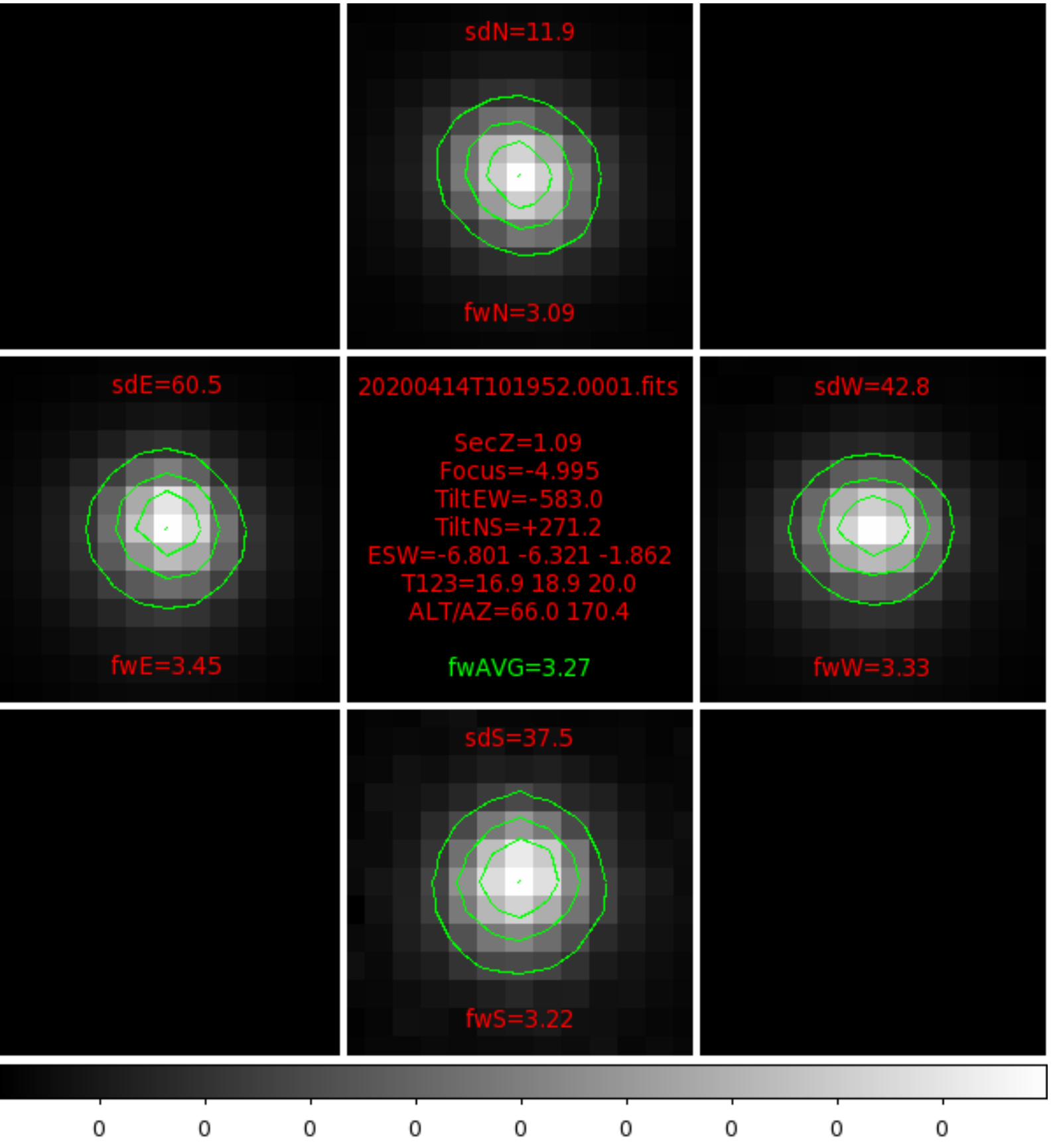
sdN=11.9
fwN=3.09
sdE=60.5
fwE=3.45
20200414T101952.0001.fits
SecZ=1.09
Focus=-4.995
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.801 -6.321 -1.862
T123=16.9 18.9 20.0
ALT/AZ=66.0 170.4
fwAVG=3.27
sdW=42.8
fwW=3.33
sdS=37.5
fwS=3.22
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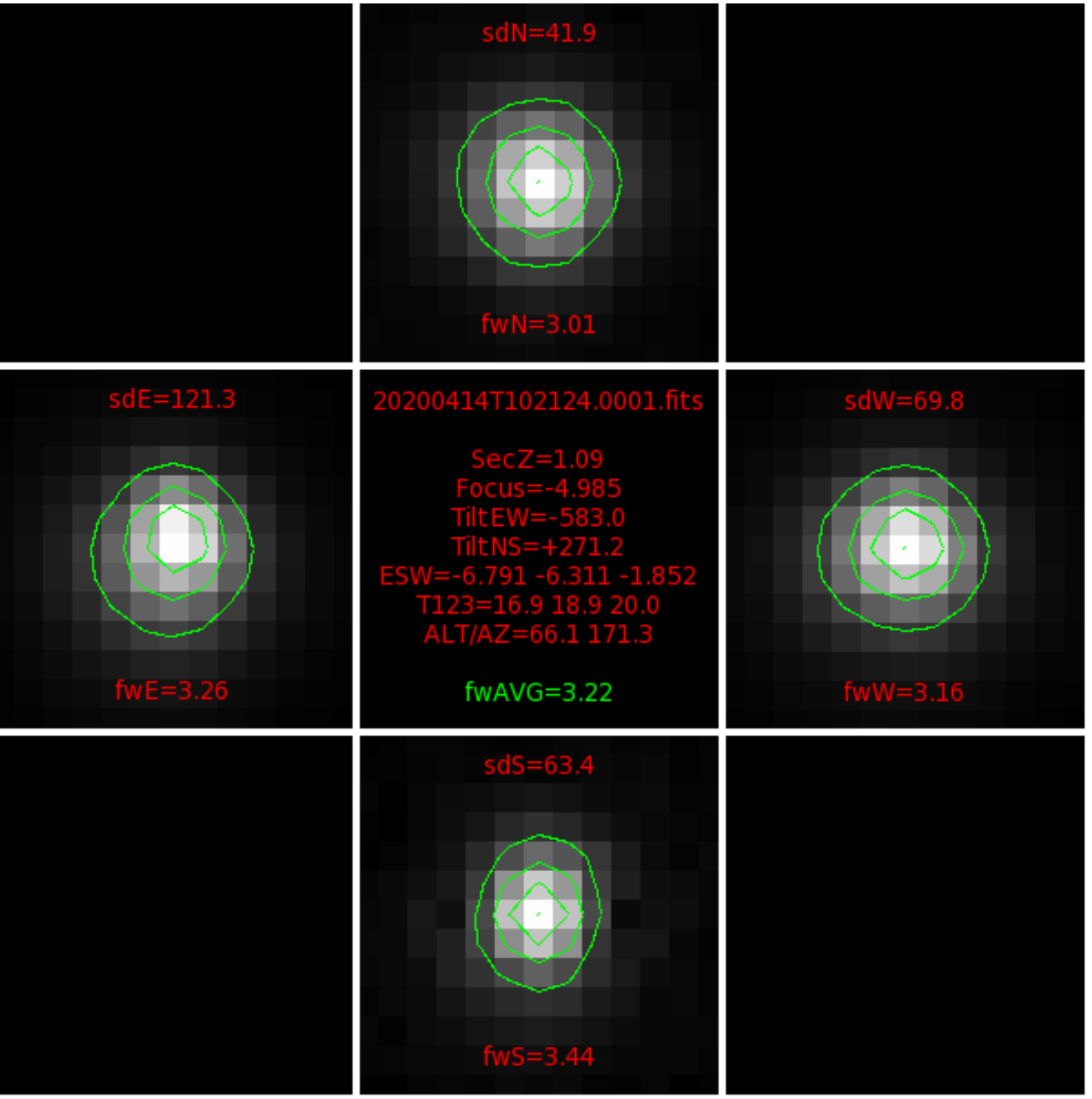
sdN=41.9
fwN=3.01
sdE=121.3
fwE=3.26
20200414T102124.0001.fits
SecZ=1.09
Focus=-4.985
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.791 -6.311 -1.852
T123=16.9 18.9 20.0
ALT/AZ=66.1 171.3
fwAVG=3.22
sdW=69.8
fwW=3.16
sdS=63.4
fwS=3.44
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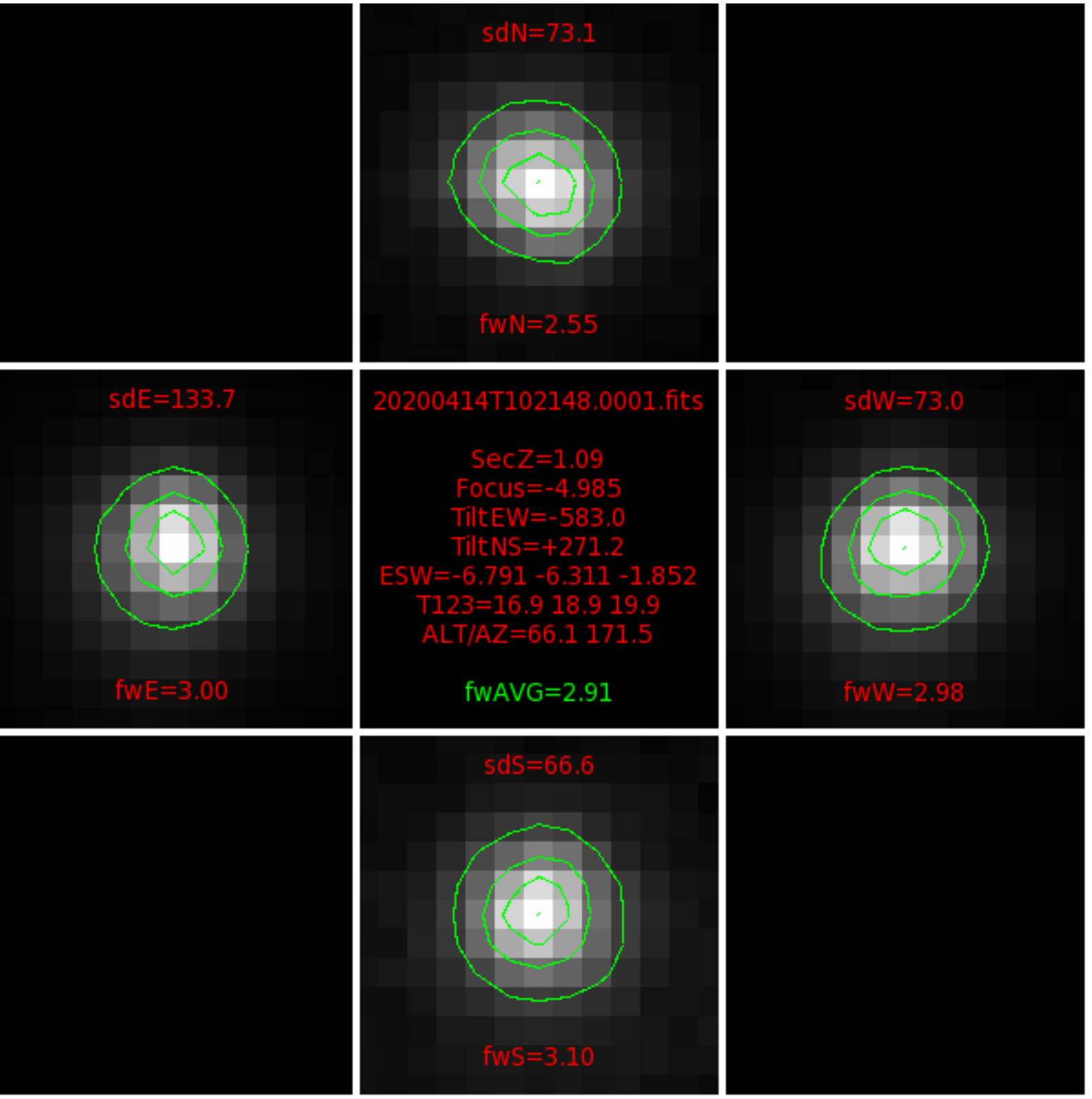
sdN=73.1
fwN=2.55
sdE=133.7
fwE=3.00
20200414T102148.0001.fits
SecZ=1.09
Focus=-4.985
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.791 -6.311 -1.852
T123=16.9 18.9 19.9
ALT/AZ=66.1 171.5
fwAVG=2.91
sdW=73.0
fwW=2.98
sdS=66.6
fwS=3.10
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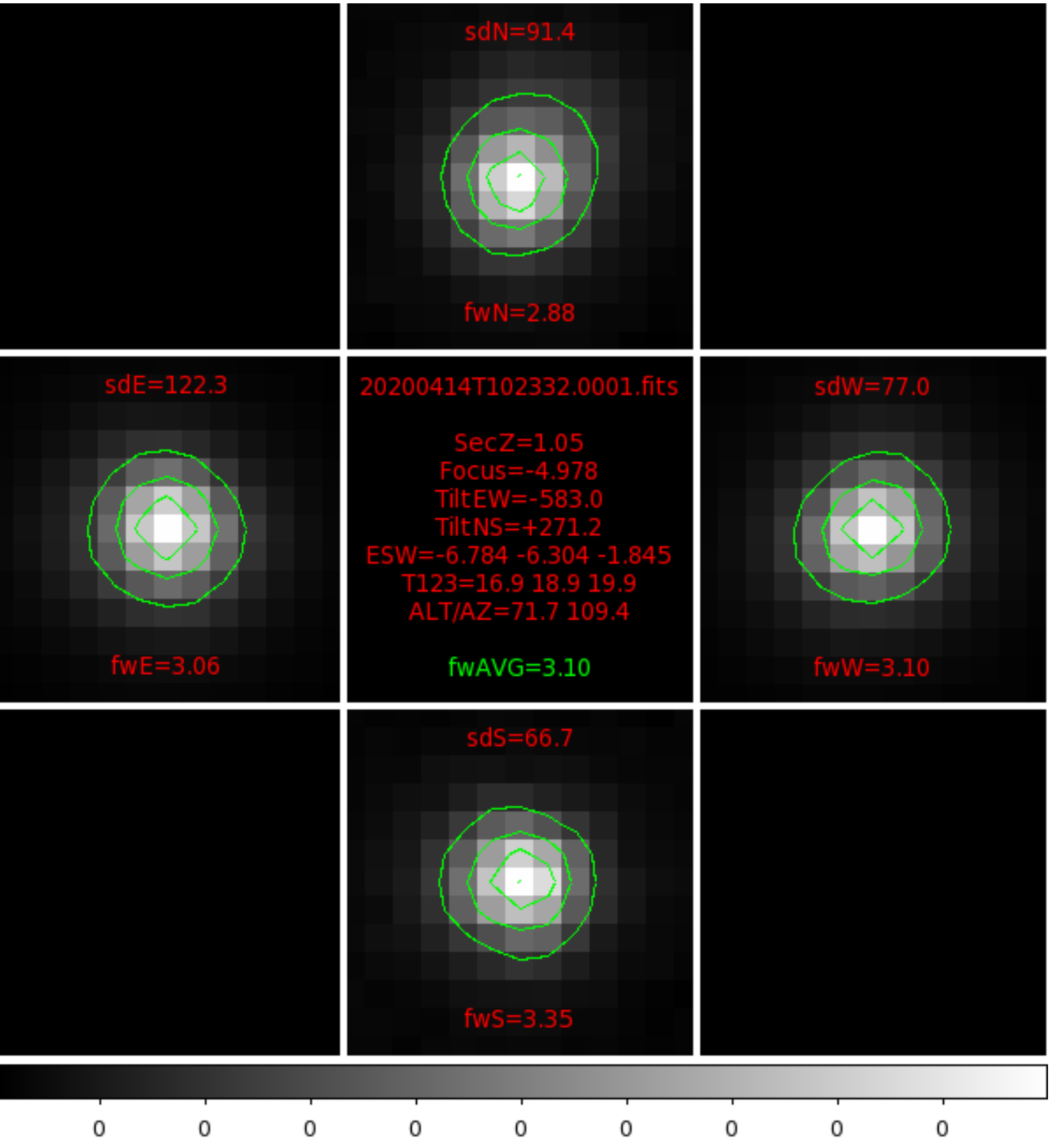
sdN=91.4
fwN=2.88
sdE=122.3
fwE=3.06
20200414T102332.0001.fits
SecZ=1.05
Focus=-4.978
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.784 -6.304 -1.845
T123=16.9 18.9 19.9
ALT/AZ=71.7 109.4
fwAVG=3.10
sdW=77.0
fwW=3.10
sdS=66.7
fwS=3.35
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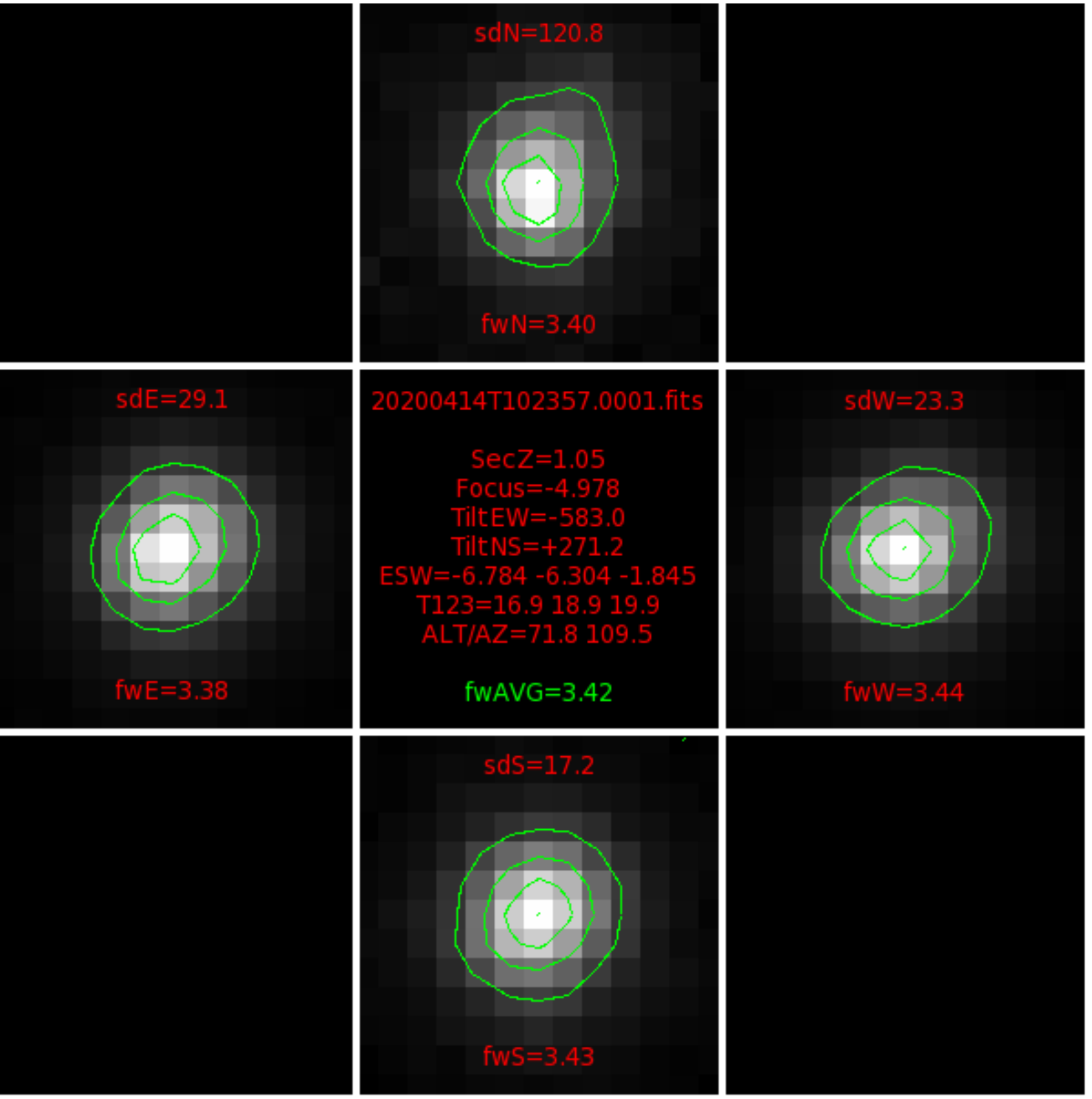
sdN=120.8
fwN=3.40
sdE=29.1
fwE=3.38
20200414T102357.0001.fits
SecZ=1.05
Focus=-4.978
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.784 -6.304 -1.845
T123=16.9 18.9 19.9
ALT/AZ=71.8 109.5
fwAVG=3.42
sdW=23.3
fwW=3.44
sdS=17.2
fwS=3.43
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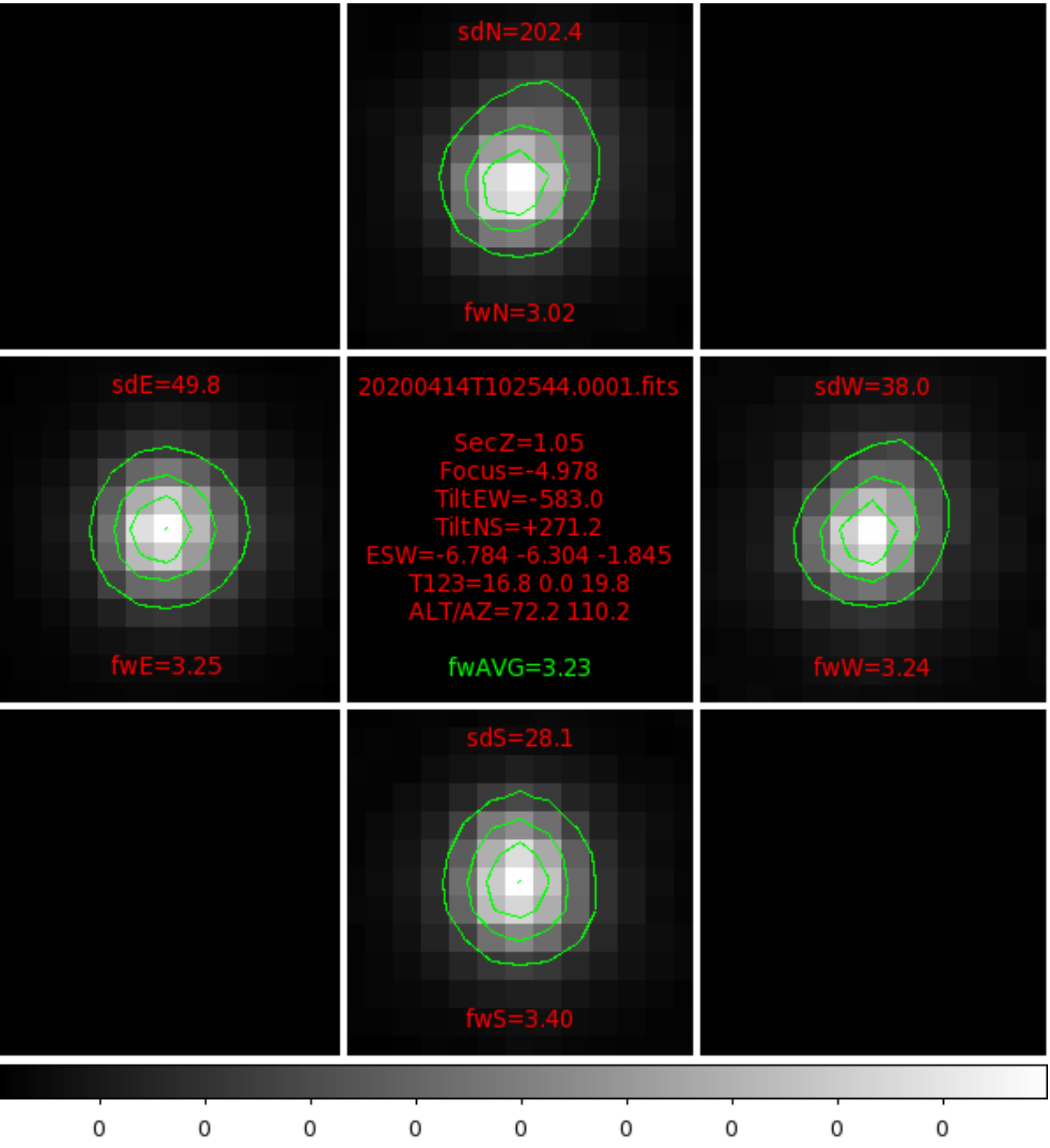
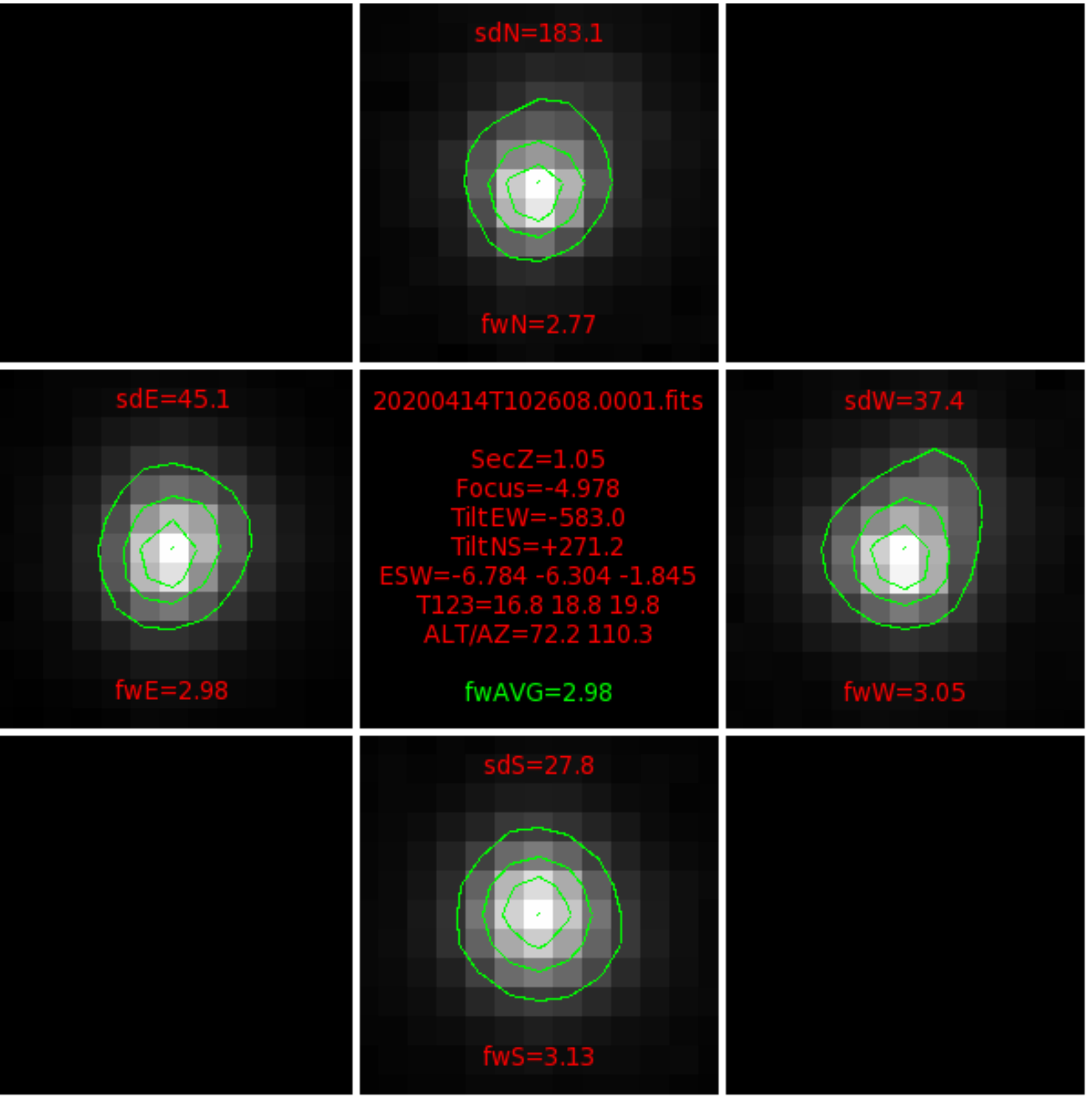

sdN=202.4
fwN=3.02
sdE=49.8
fwE=3.25
20200414T102544.0001.fits
SecZ=1.05
Focus=-4.978
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.784 -6.304 -1.845
T123=16.8 0.0 19.8
ALT/AZ=72.2 110.2
fwAVG=3.23
sdW=38.0
fwW=3.24
sdS=28.1
fwS=3.40
0 0 0 0 0 0 0 0 0


sdN=183.1
fwN=2.77
sdE=45.1
fwE=2.98
20200414T102608.0001.fits
SecZ=1.05
Focus=-4.978
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.784 -6.304 -1.845
T123=16.8 18.8 19.8
ALT/AZ=72.2 110.3
fwAVG=2.98
sdW=37.4
fwW=3.05
sdS=27.8
fwS=3.13
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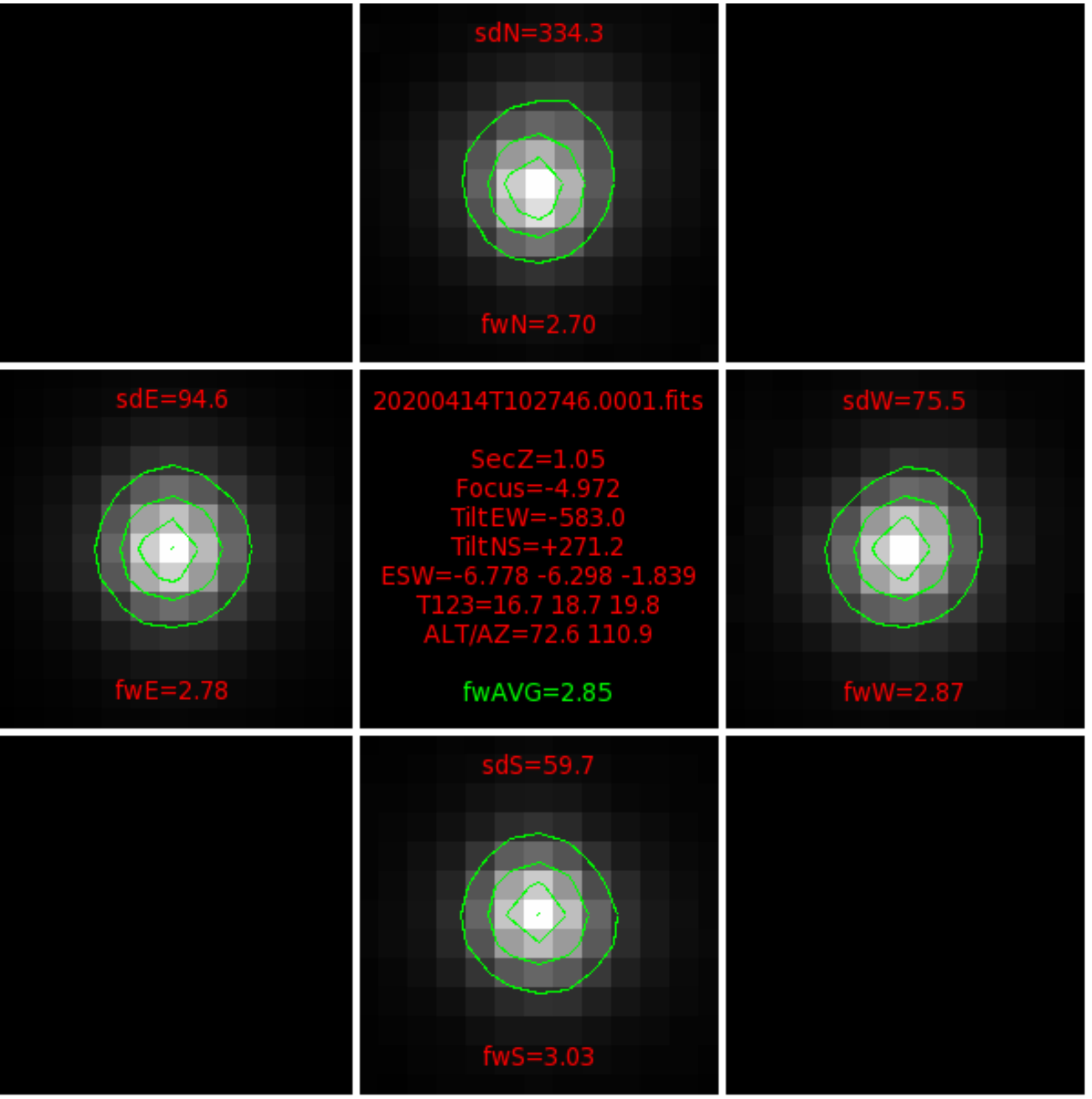
sdN=334.3
fwN=2.70
sdE=94.6
fwE=2.78
20200414T102746.0001.fits
SecZ=1.05
Focus=-4.972
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.778 -6.298 -1.839
T123=16.7 18.7 19.8
ALT/AZ=72.6 110.9
fwAVG=2.85
sdW=75.5
fwW=2.87
sdS=59.7
fwS=3.03
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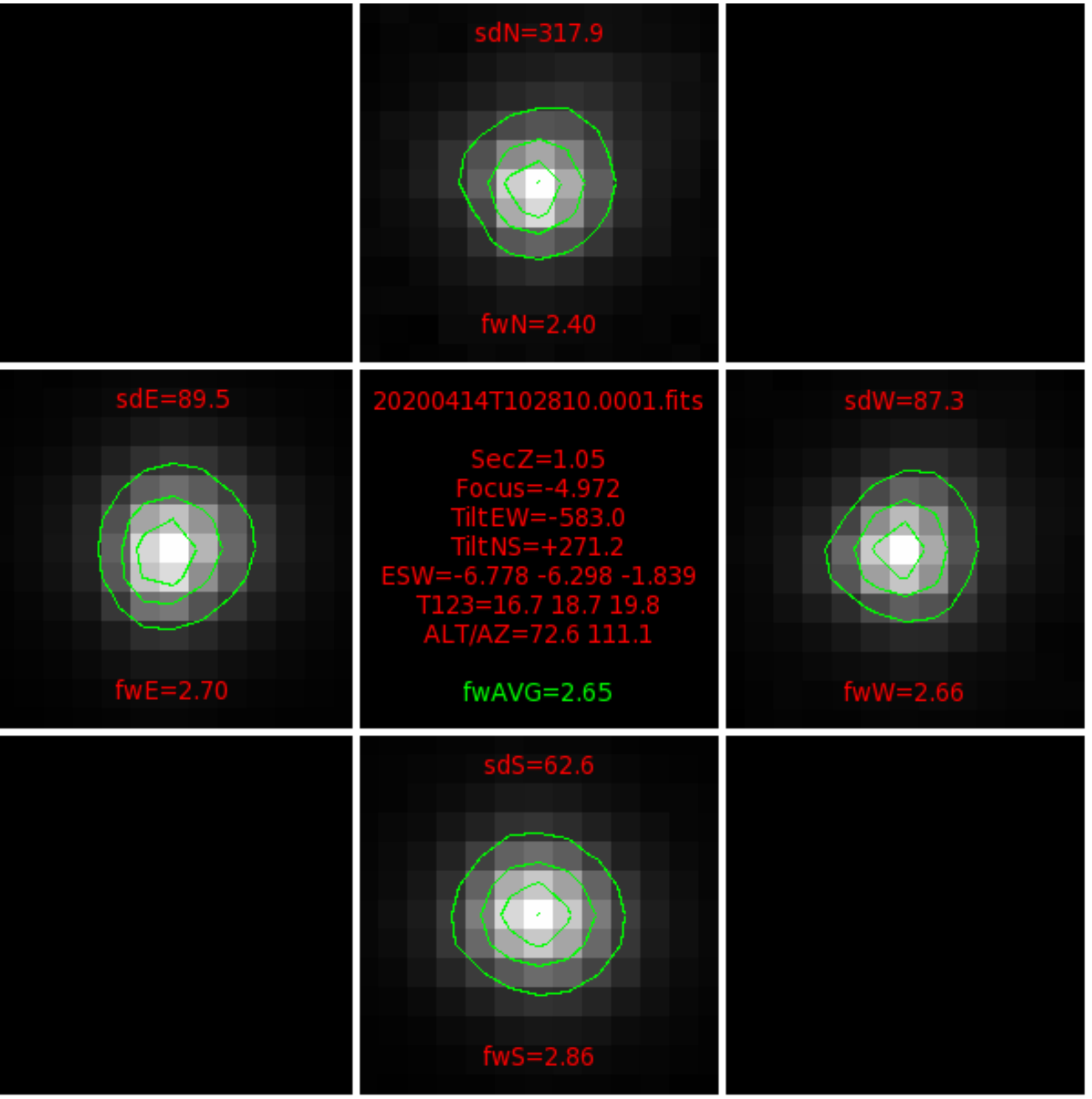
sdN=317.9
fwN=2.40
sdE=89.5
fwE=2.70
20200414T102810.0001.fits
SecZ=1.05
Focus=-4.972
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.778 -6.298 -1.839
T123=16.7 18.7 19.8
ALT/AZ=72.6 111.1
fwAVG=2.65
sdW=87.3
fwW=2.66
sdS=62.6
fwS=2.86
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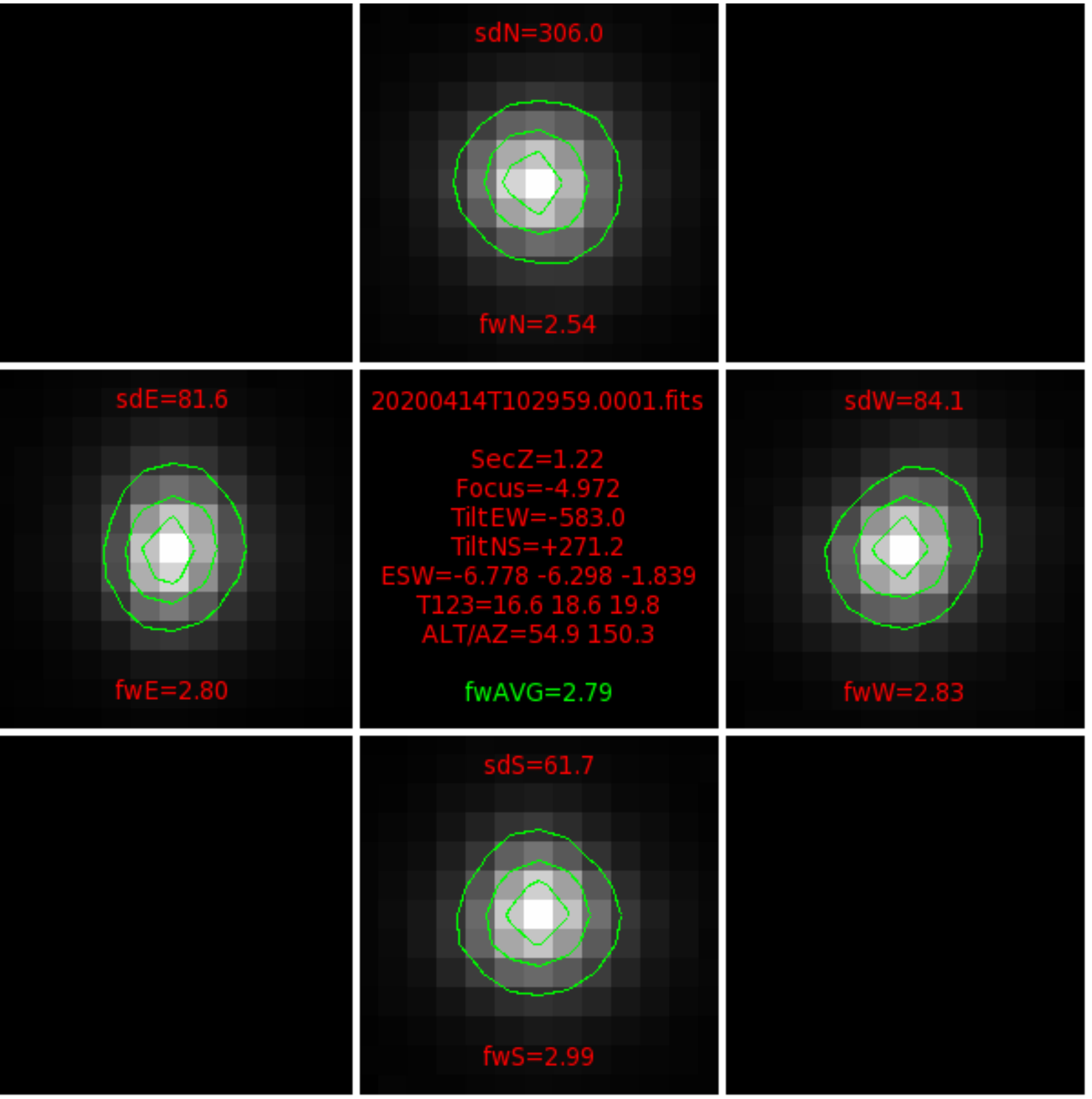
sdN=306.0
fwN=2.54
sdE=81.6
fwE=2.80
20200414T102959.0001.fits
SecZ=1.22
Focus=-4.972
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.778 -6.298 -1.839
T123=16.6 18.6 19.8
ALT/AZ=54.9 150.3
fwAVG=2.79
sdW=84.1
fwW=2.83
sdS=61.7
fwS=2.99
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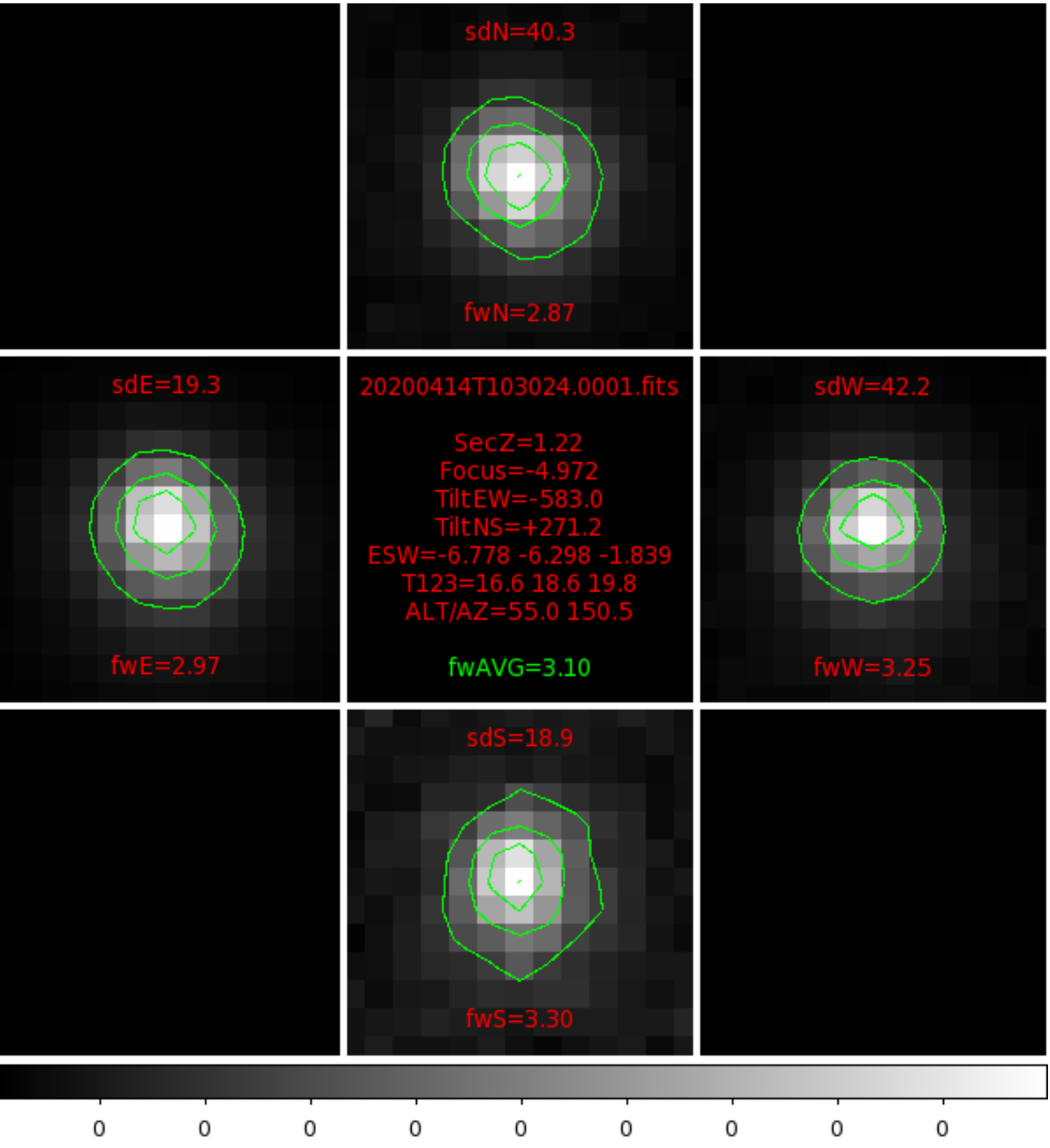
sdN=40.3
fwN=2.87
sdE=19.3
fwE=2.97
20200414T103024.0001.fits
SecZ=1.22
Focus=-4.972
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.778 -6.298 -1.839
T123=16.6 18.6 19.8
ALT/AZ=55.0 150.5
fwAVG=3.10
sdW=42.2
fwW=3.25
sdS=18.9
fwS=3.30
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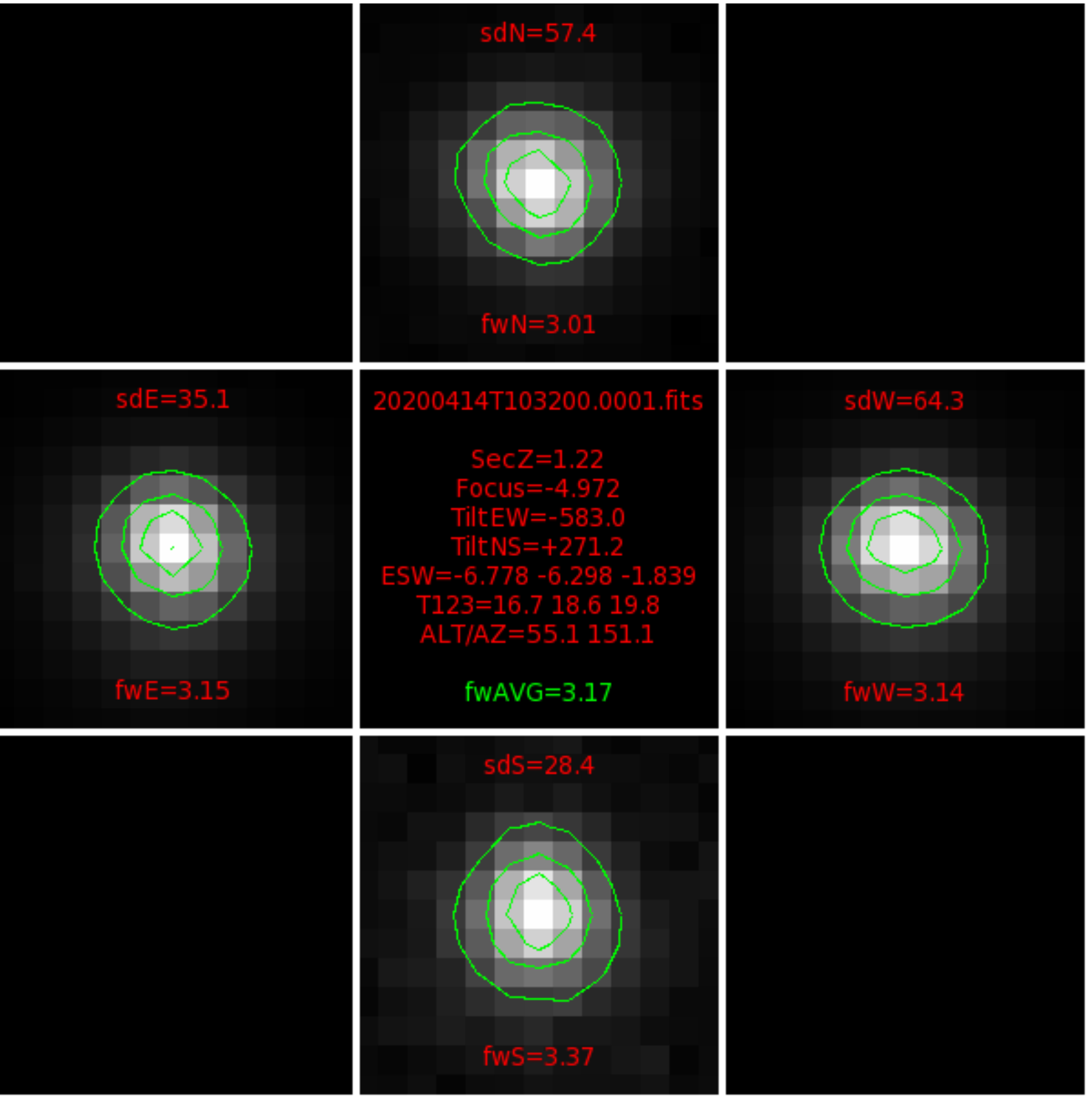
sdN=57.4
fwN=3.01
sdE=35.1
fwE=3.15
20200414T103200.0001.fits
SecZ=1.22
Focus=-4.972
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.778 -6.298 -1.839
T123=16.7 18.6 19.8
ALT/AZ=55.1 151.1
fwAVG=3.17
sdW=64.3
fwW=3.14
sdS=28.4
fwS=3.37
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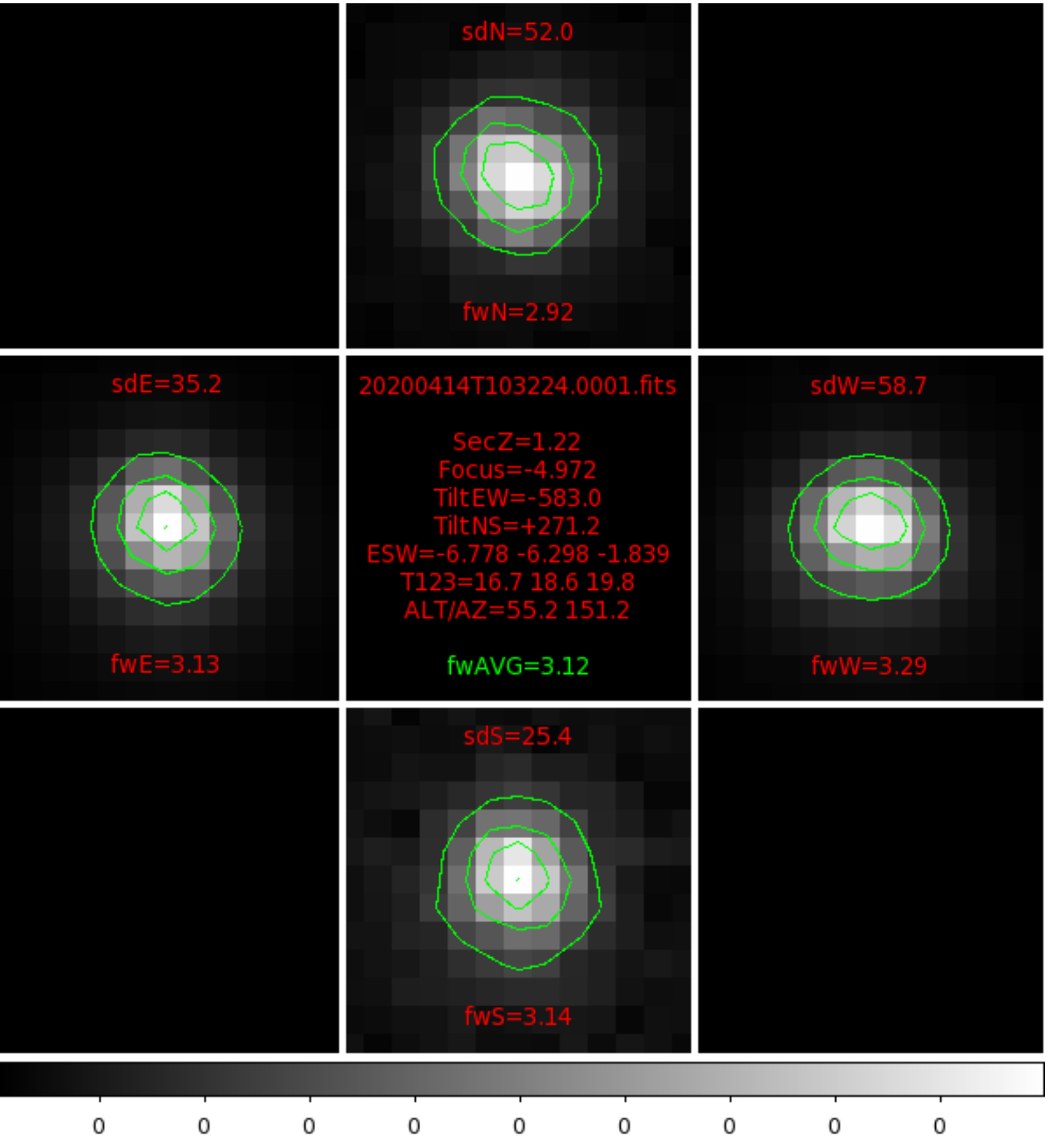
sdN=52.0
fwN=2.92
sdE=35.2
fwE=3.13
20200414T103224.0001.fits
SecZ=1.22
Focus=-4.972
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.778 -6.298 -1.839
T123=16.7 18.6 19.8
ALT/AZ=55.2 151.2
fwAVG=3.12
sdW=58.7
fwW=3.29
sdS=25.4
fwS=3.14
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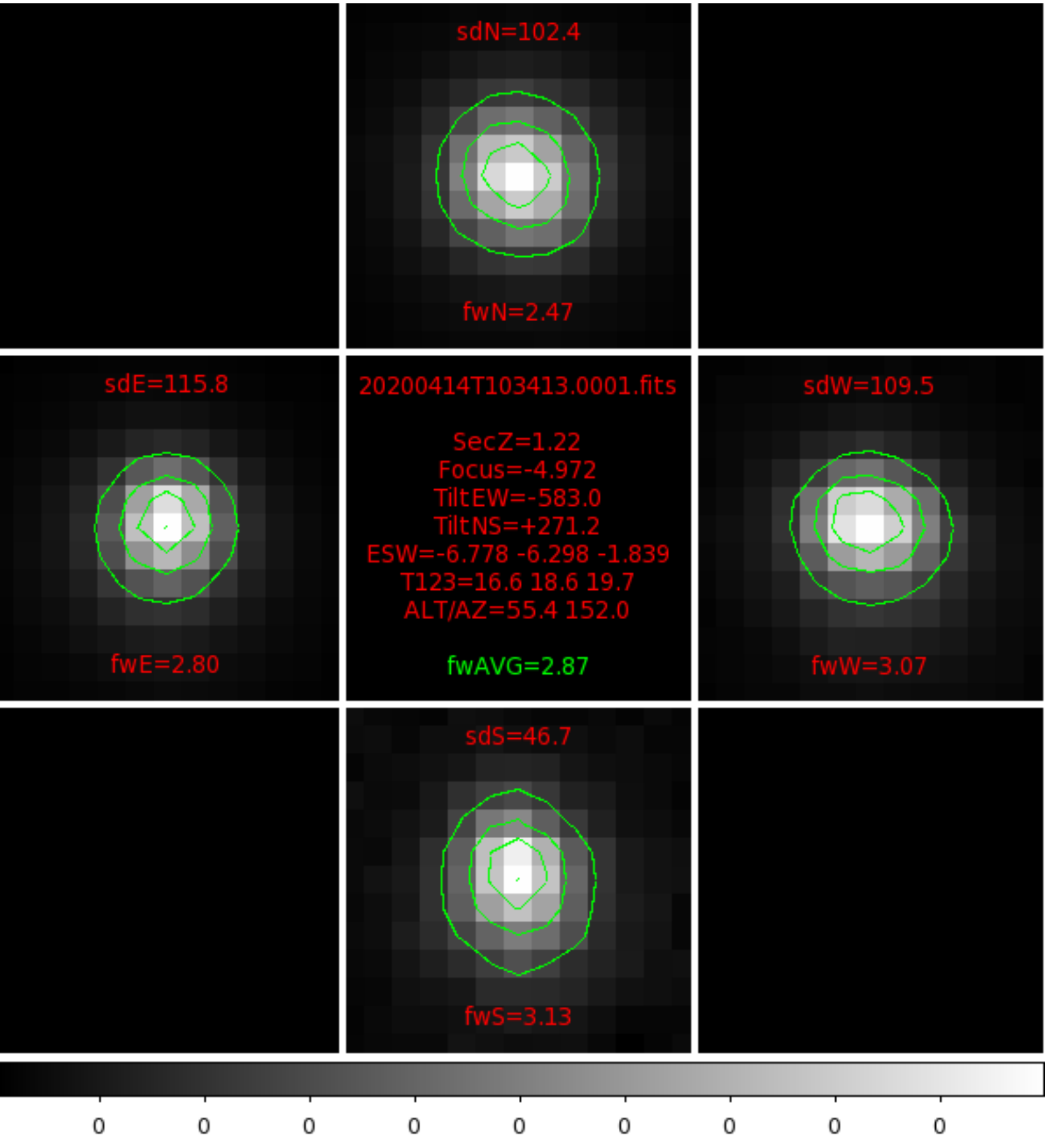
sdN=102.4
fwN=2.47
sdE=115.8
fwE=2.80
20200414T103413.0001.fits
SecZ=1.22
Focus=-4.972
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.778 -6.298 -1.839
T123=16.6 18.6 19.7
ALT/AZ=55.4 152.0
fwAVG=2.87
sdW=109.5
fwW=3.07
sdS=46.7
fwS=3.13
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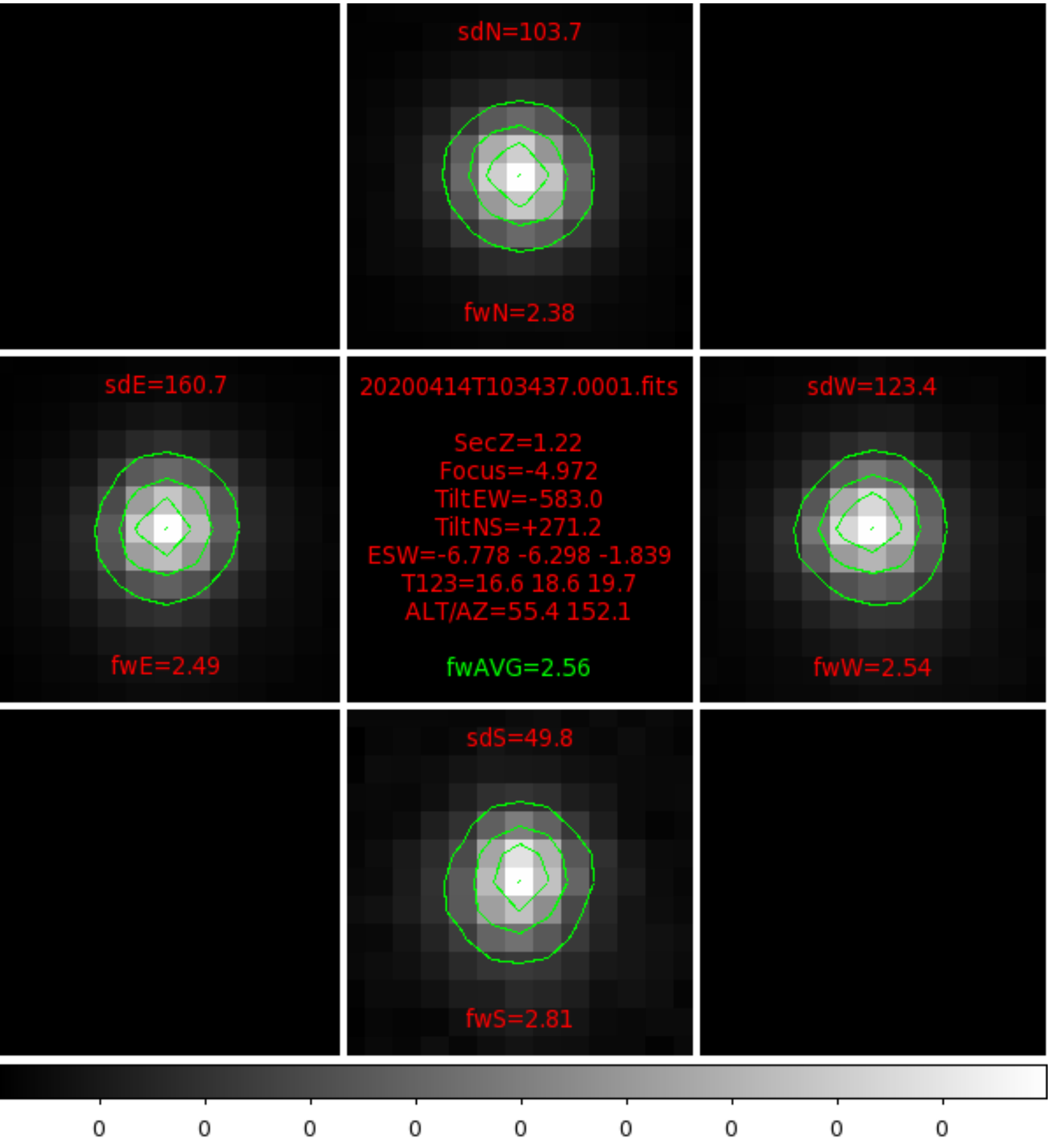
sdN=103.7
fwN=2.38
sdE=160.7
fwE=2.49
20200414T103437.0001.fits
SecZ=1.22
Focus=-4.972
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.778 -6.298 -1.839
T123=16.6 18.6 19.7
ALT/AZ=55.4 152.1
fwAVG=2.56
sdW=123.4
fwW=2.54
sdS=49.8
fwS=2.81
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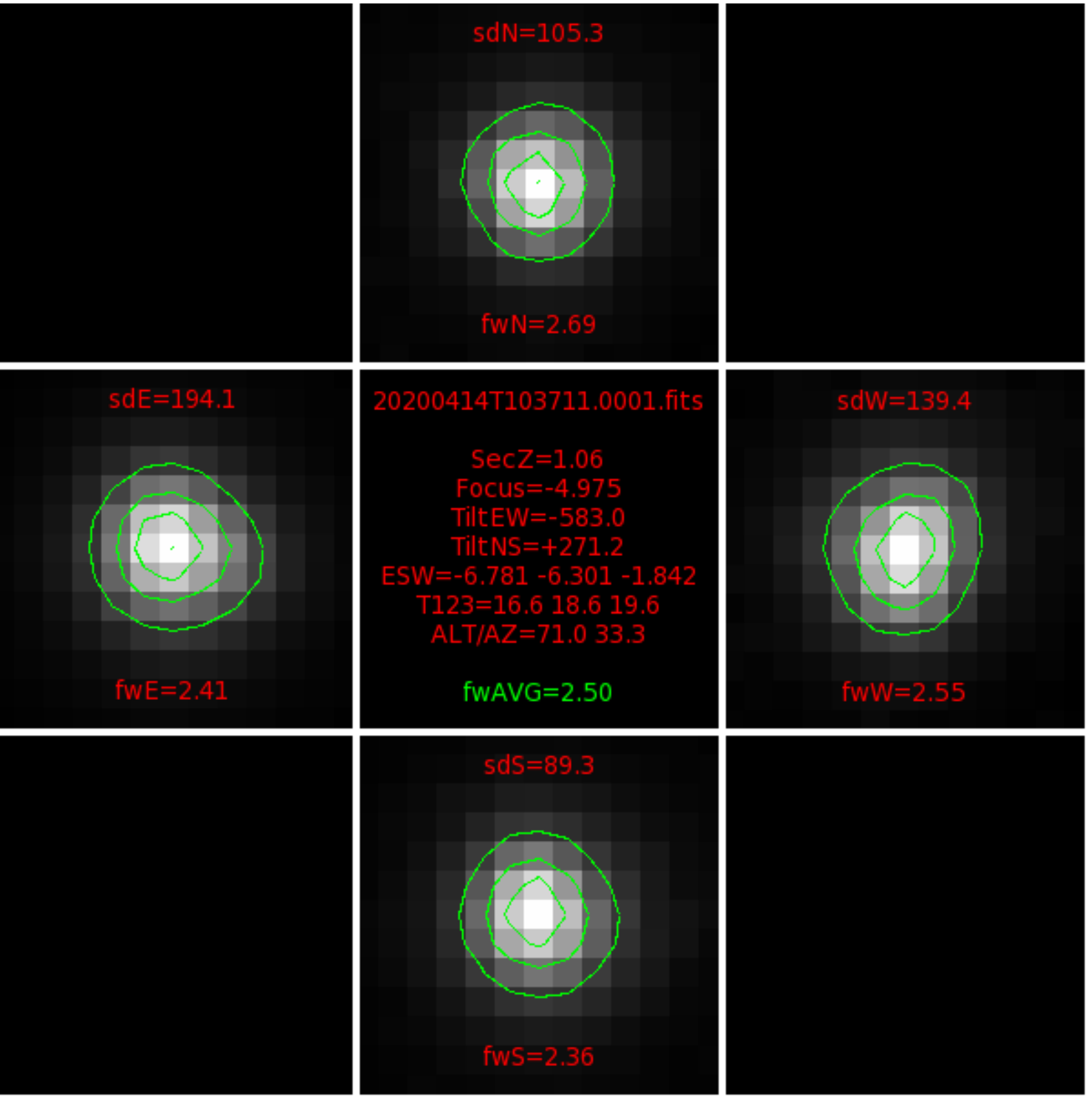
sdN=105.3
fwN=2.69
sdE=194.1
fwE=2.41
20200414T103711.0001.fits
SecZ=1.06
Focus=-4.975
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.781 -6.301 -1.842
T123=16.6 18.6 19.6
ALT/AZ=71.0 33.3
fwAVG=2.50
sdW=139.4
fwW=2.55
sdS=89.3
fwS=2.36
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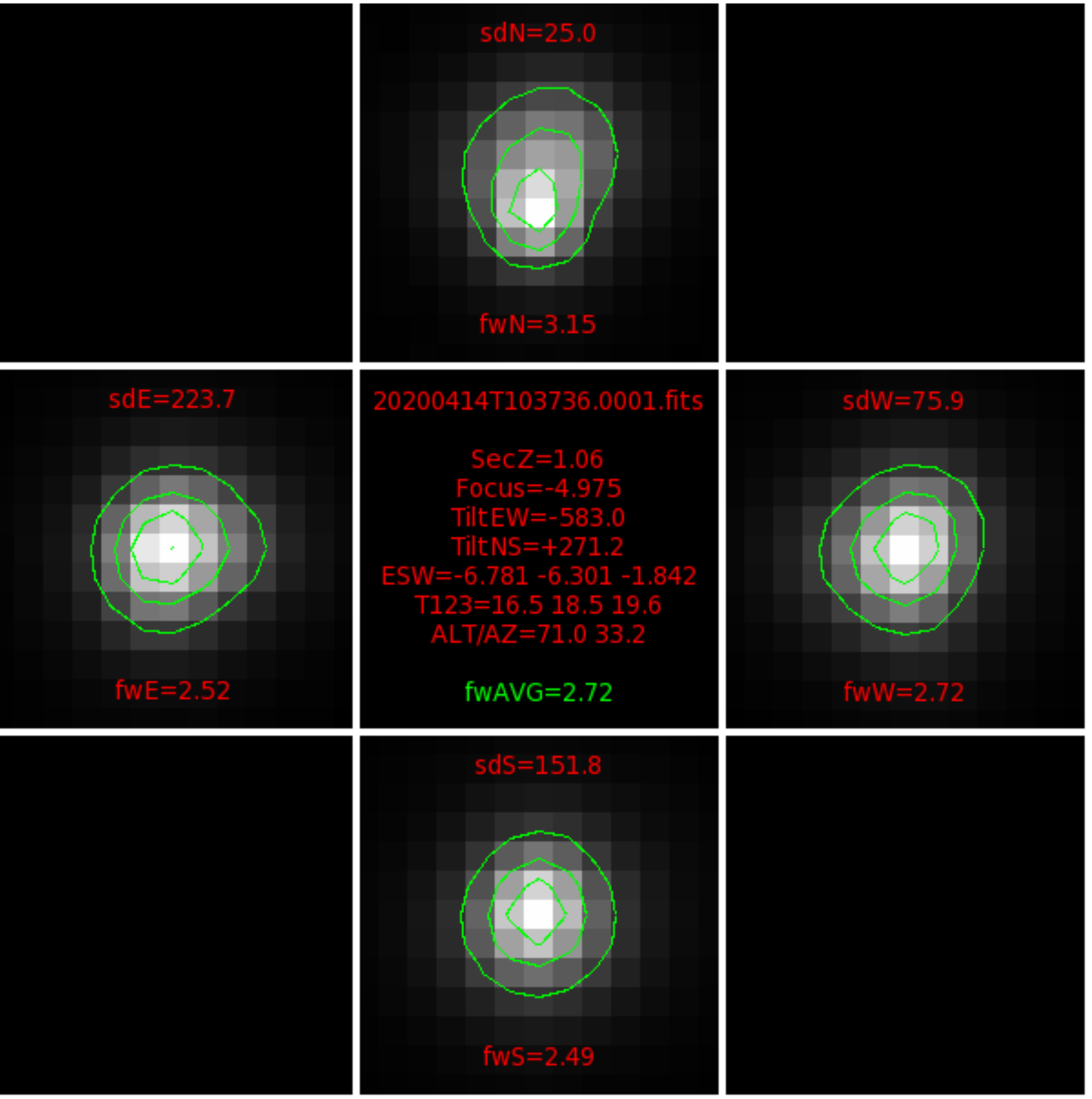
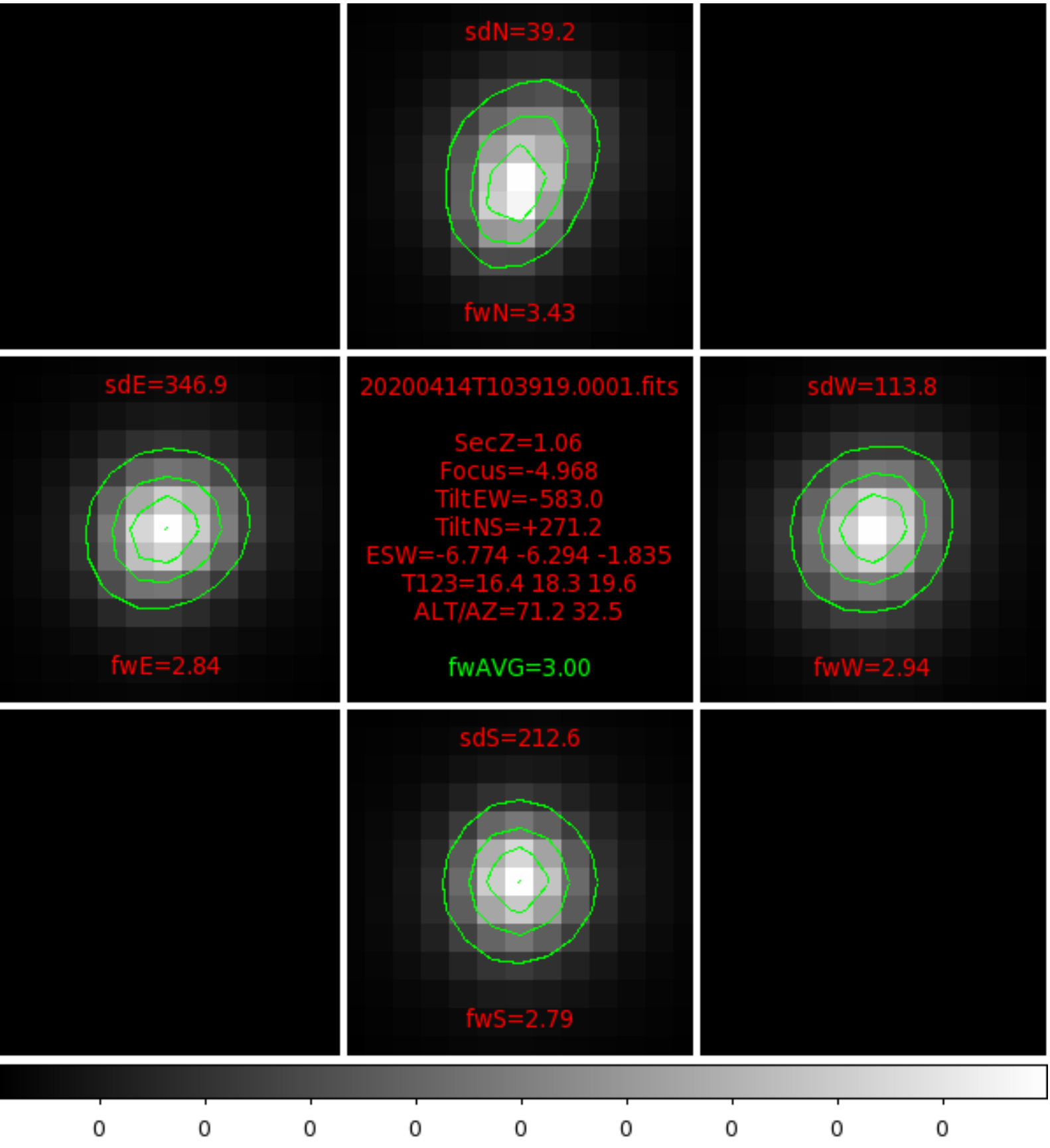

sdN=25.0
fwN=3.15
sdE=223.7
fwE=2.52
20200414T103736.0001.fits
SecZ=1.06
Focus=-4.975
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.781 -6.301 -1.842
T123=16.5 18.5 19.6
ALT/AZ=71.0 33.2
fwAVG=2.72
sdW=75.9
fwW=2.72
sdS=151.8
fwS=2.49
0 0 0 0 0 0 0 0 0


sdN=39.2
fwN=3.43
sdE=346.9
fwE=2.84
20200414T103919.0001.fits
SecZ=1.06
Focus=-4.968
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.774 -6.294 -1.835
T123=16.4 18.3 19.6
ALT/AZ=71.2 32.5
fwAVG=3.00
sdW=113.8
fwW=2.94
sdS=212.6
fwS=2.79
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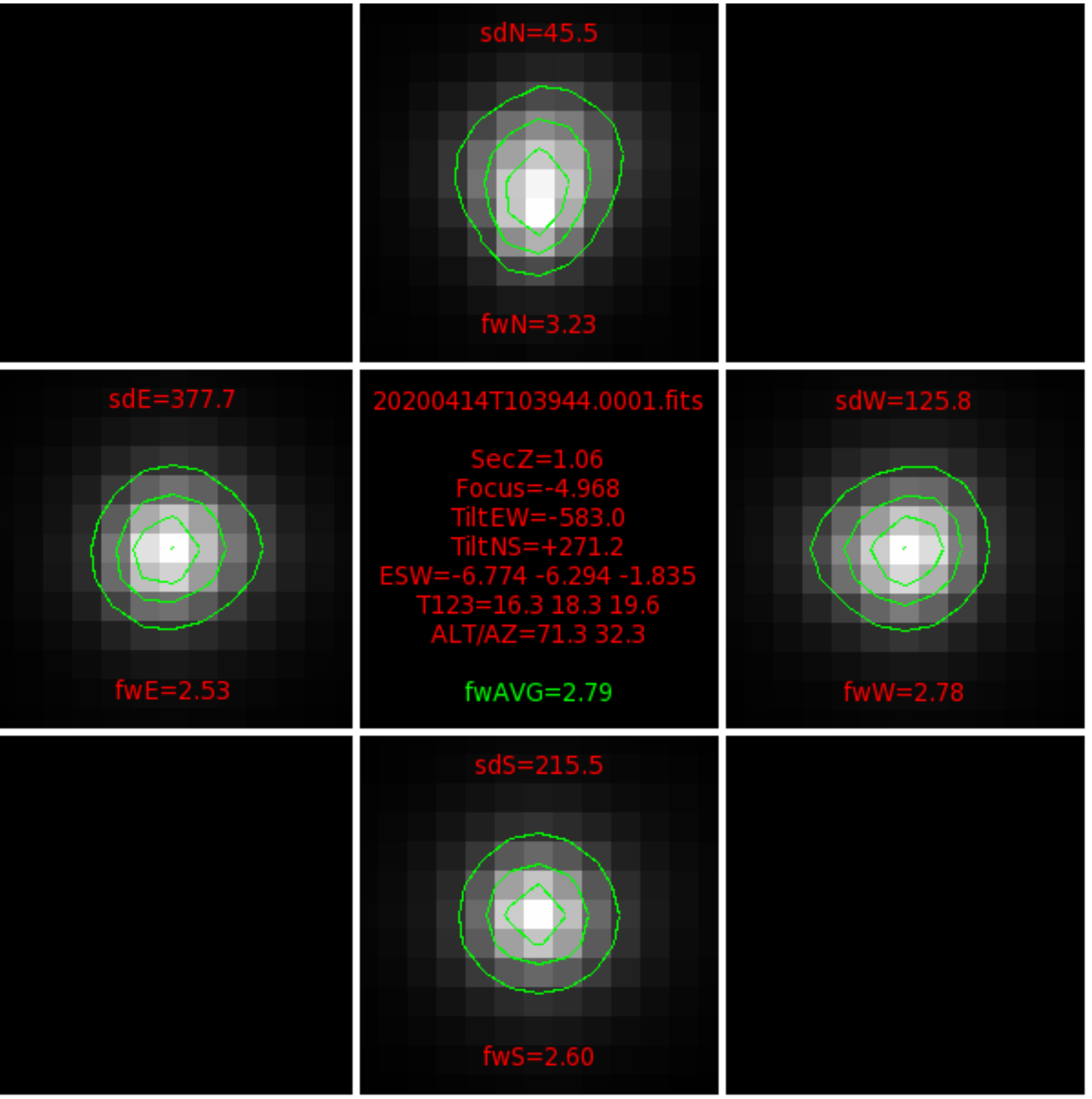
sdN=45.5
fwN=3.23
sdE=377.7
fwE=2.53
20200414T103944.0001.fits
SecZ=1.06
Focus=-4.968
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.774 -6.294 -1.835
T123=16.3 18.3 19.6
ALT/AZ=71.3 32.3
fwAVG=2.79
sdW=125.8
fwW=2.78
sdS=215.5
fwS=2.60
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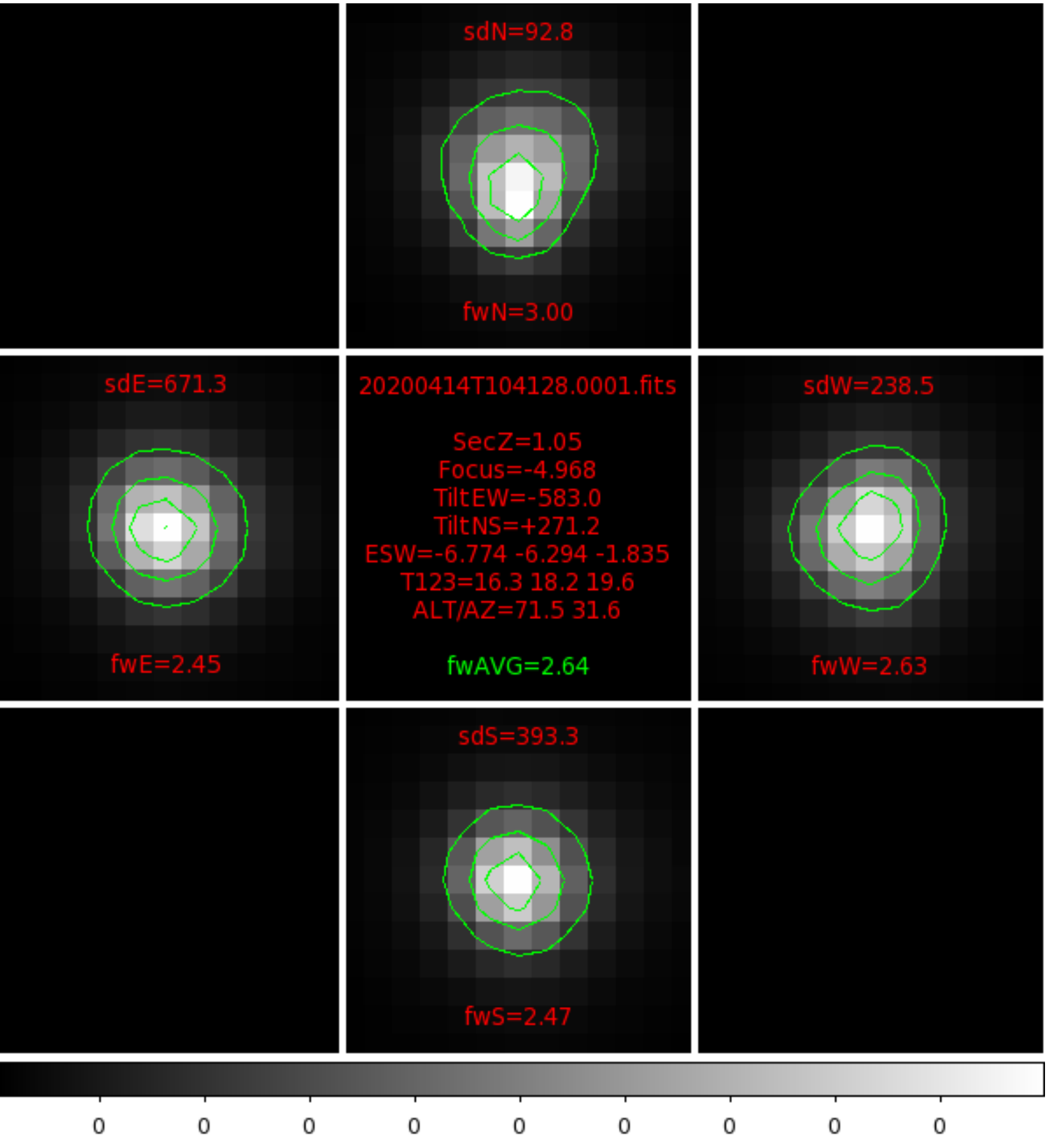
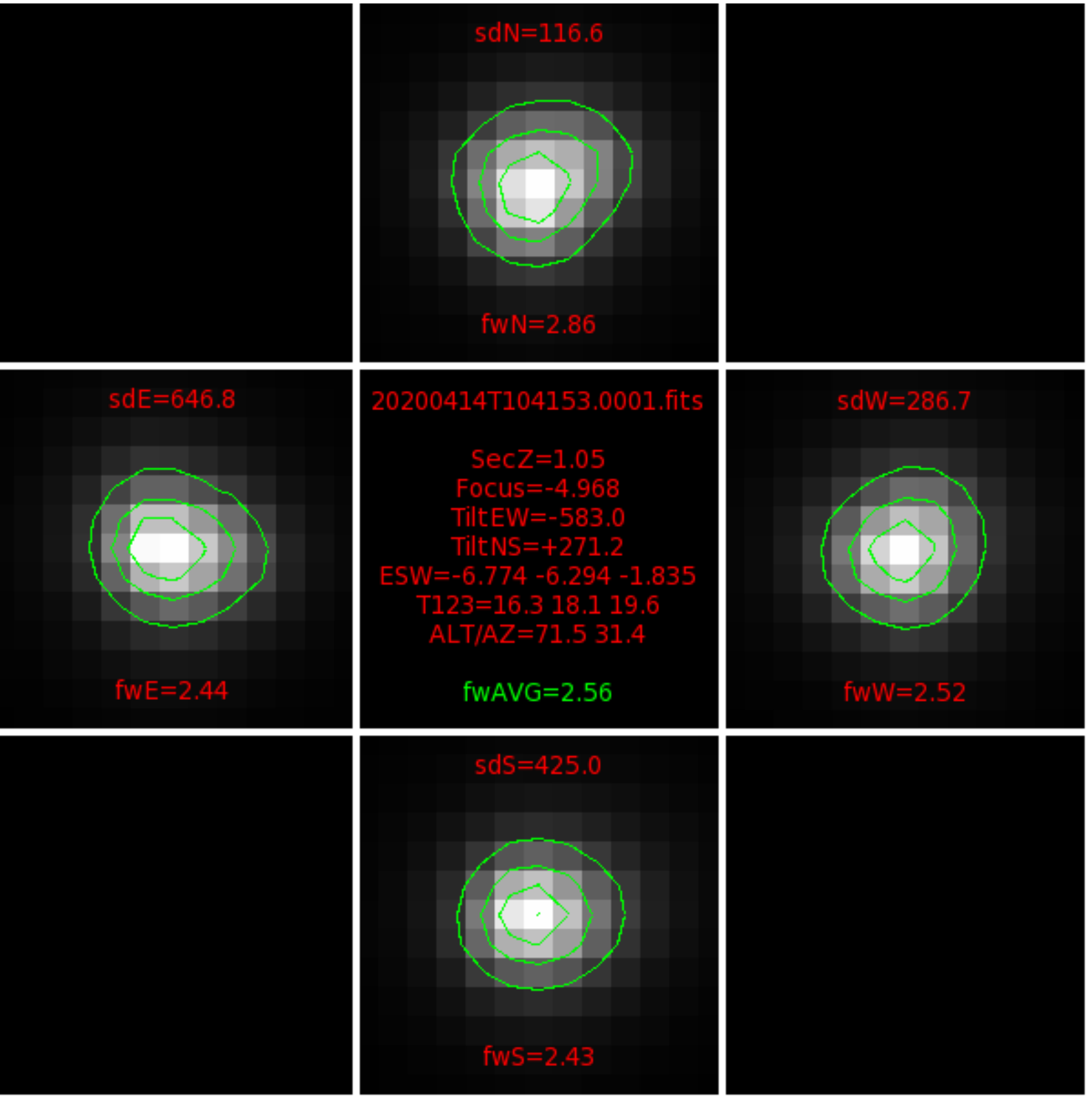

sdN=92.8
fwN=3.00
sdE=671.3
fwE=2.45
20200414T104128.0001.fits
SecZ=1.05
Focus=-4.968
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.774 -6.294 -1.835
T123=16.3 18.2 19.6
ALT/AZ=71.5 31.6
fwAVG=2.64
sdW=238.5
fwW=2.63
sdS=393.3
fwS=2.47
0 0 0 0 0 0 0 0 0


sdN=116.6
fwN=2.86
sdE=646.8
fwE=2.44
20200414T104153.0001.fits
SecZ=1.05
Focus=-4.968
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.774 -6.294 -1.835
T123=16.3 18.1 19.6
ALT/AZ=71.5 31.4
fwAVG=2.56
sdW=286.7
fwW=2.52
sdS=425.0
fwS=2.43
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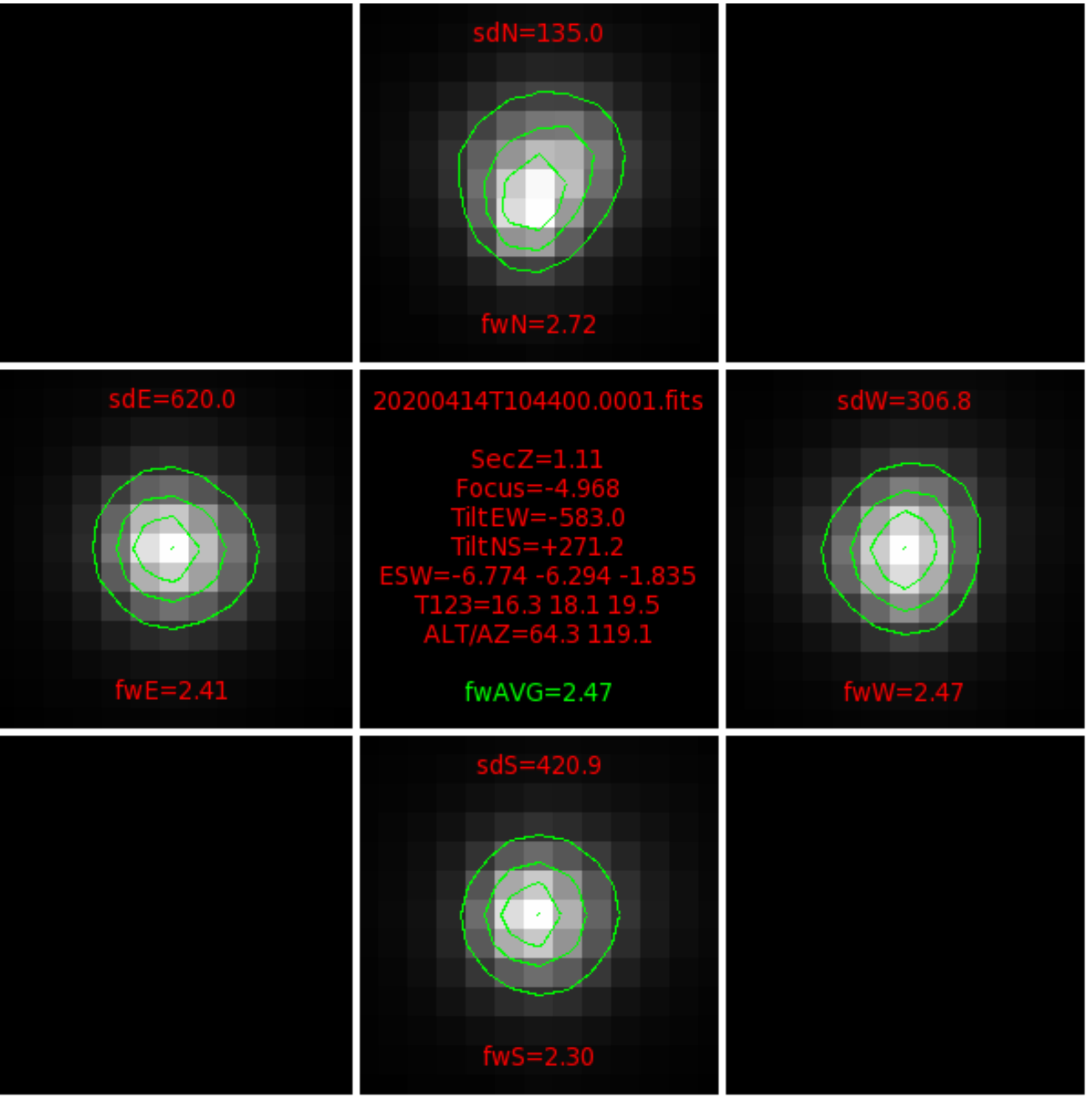
sdN=135.0
fwN=2.72
sdE=620.0
fwE=2.41
20200414T104400.0001.fits
SecZ=1.11
Focus=-4.968
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.774 -6.294 -1.835
T123=16.3 18.1 19.5
ALT/AZ=64.3 119.1
fwAVG=2.47
sdW=306.8
fwW=2.47
sdS=420.9
fwS=2.30
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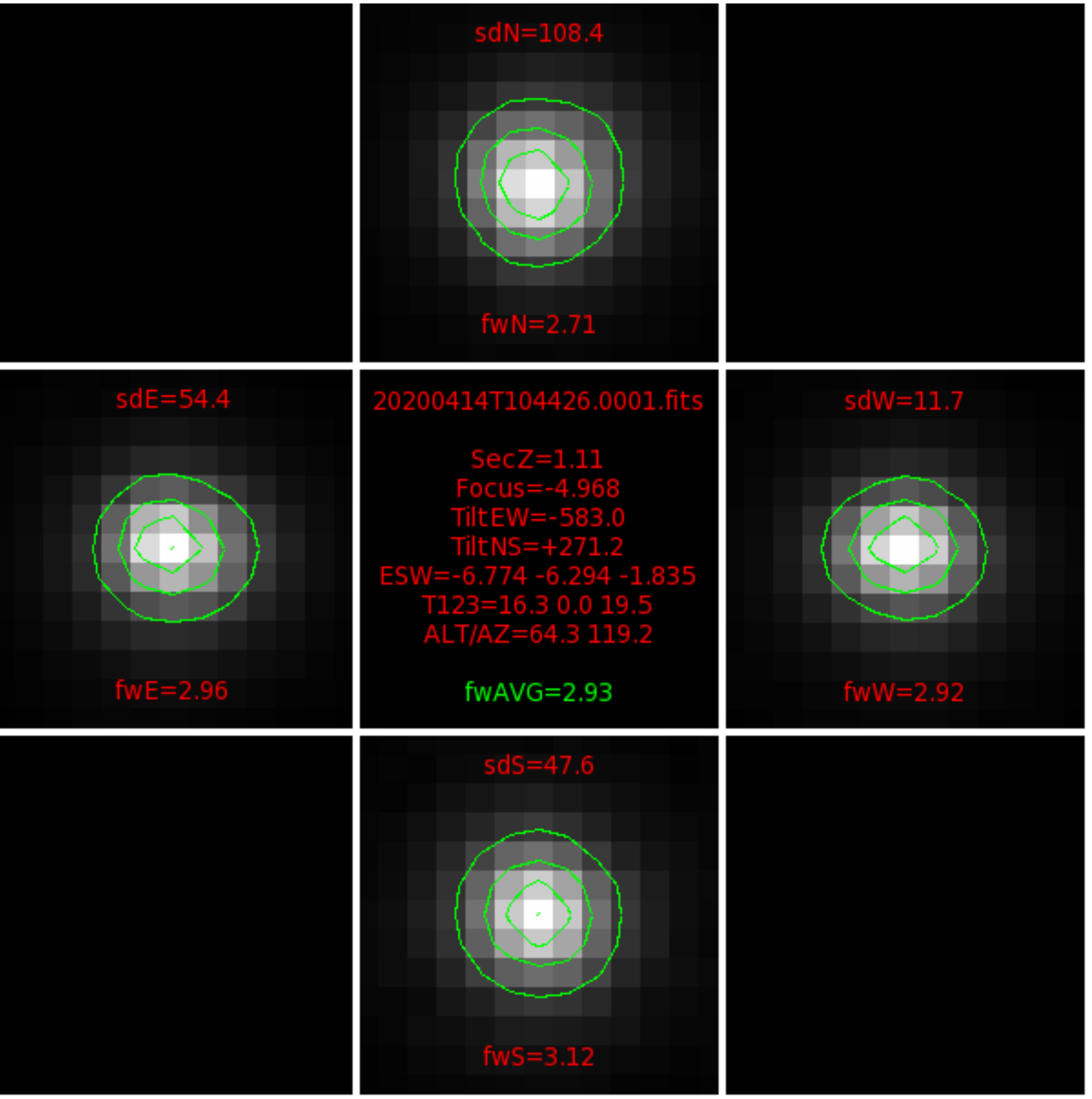
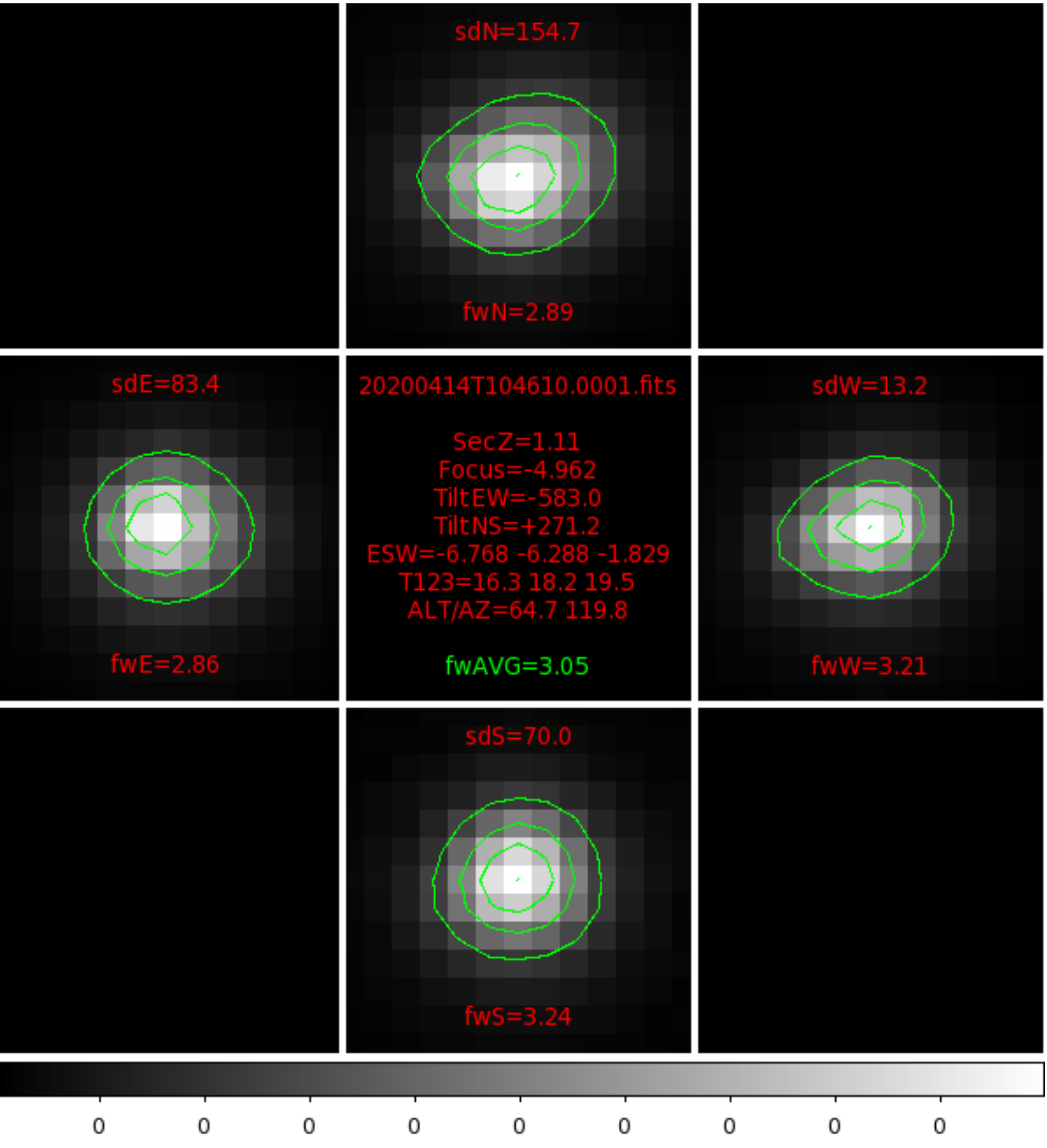
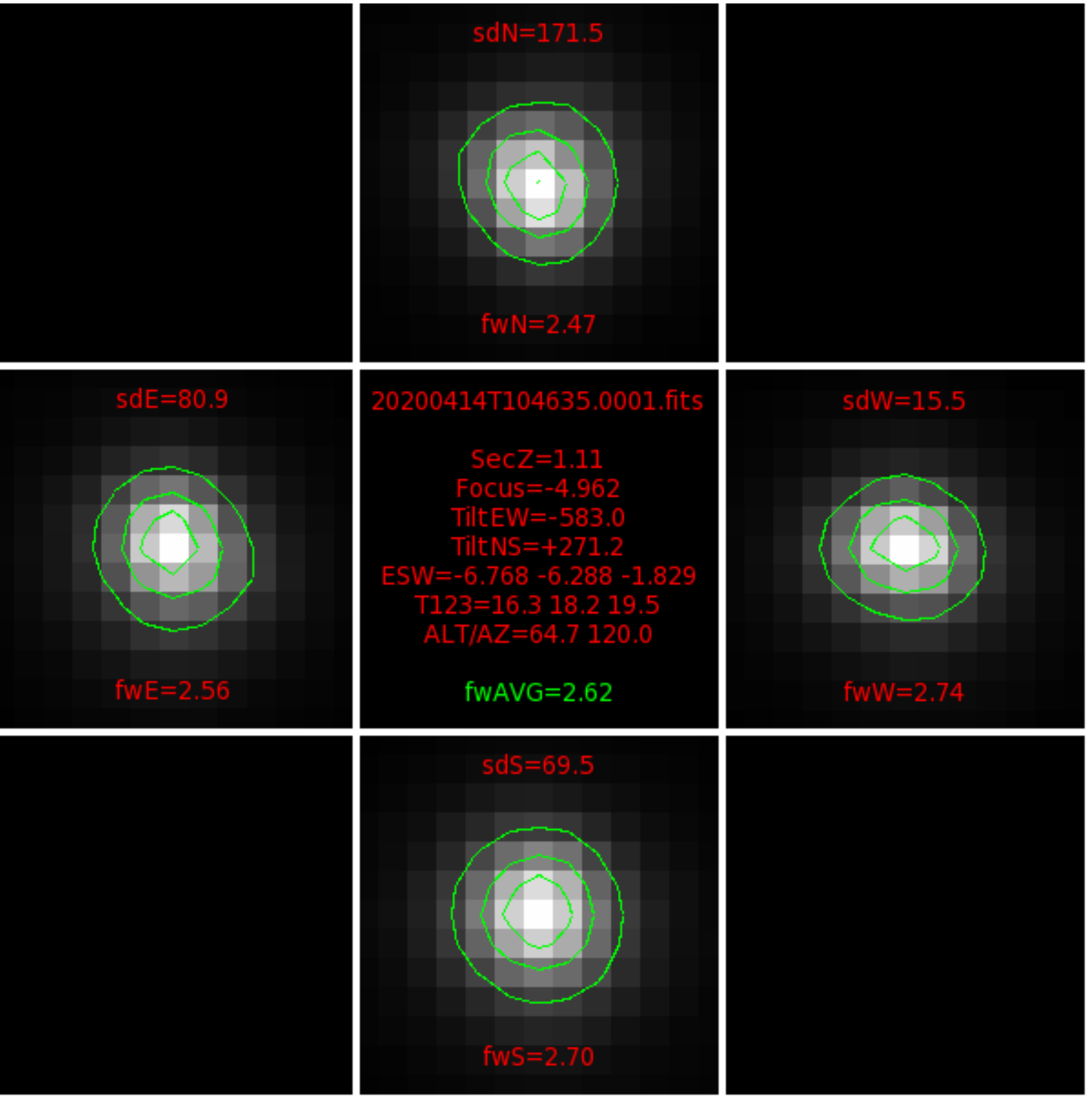
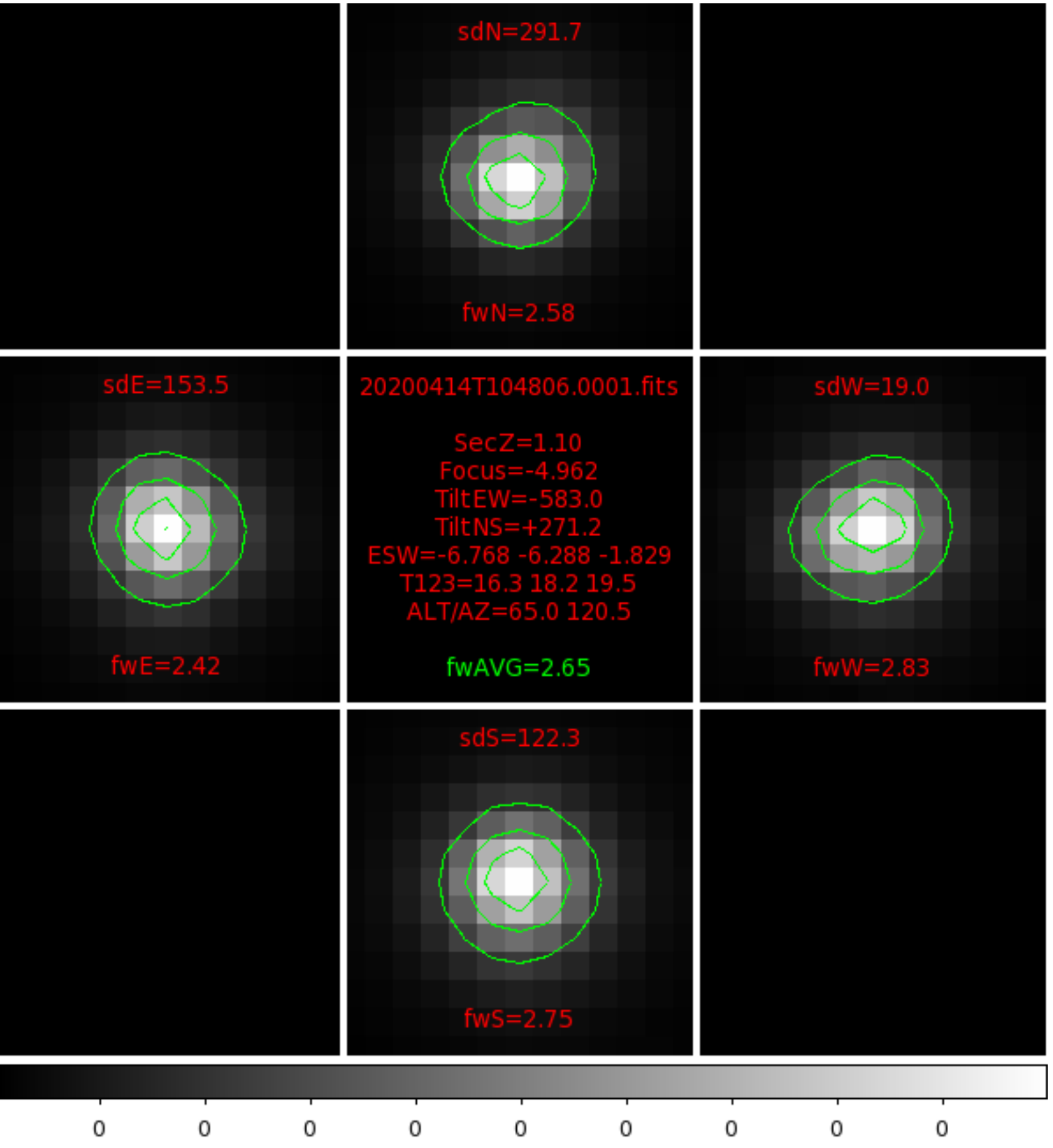

sdN=108.4
fwN=2.71
sdE=54.4
fwE=2.96
20200414T104426.0001.fits
SecZ=1.11
Focus=-4.968
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.774 -6.294 -1.835
T123=16.3 0.0 19.5
ALT/AZ=64.3 119.2
fwAVG=2.93
sdW=11.7
fwW=2.92
sdS=47.6
fwS=3.12
0 0 0 0 0 0 0 0 0


sdN=154.7
fwN=2.89
sdE=83.4
fwE=2.86
20200414T104610.0001.fits
SecZ=1.11
Focus=-4.962
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.768 -6.288 -1.829
T123=16.3 18.2 19.5
ALT/AZ=64.7 119.8
fwAVG=3.05
sdW=13.2
fwW=3.21
sdS=70.0
fwS=3.24
0 0 0 0 0 0 0 0 0


sdN=171.5
fwN=2.47
sdE=80.9
fwE=2.56
20200414T104635.0001.fits
SecZ=1.11
Focus=-4.962
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.768 -6.288 -1.829
T123=16.3 18.2 19.5
ALT/AZ=64.7 120.0
fwAVG=2.62
sdW=15.5
fwW=2.74
sdS=69.5
fwS=2.70
0 0 0 0 0 0 0 0 0


sdN=291.7
fwN=2.58
sdE=153.5
fwE=2.42
20200414T104806.0001.fits
SecZ=1.10
Focus=-4.962
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.768 -6.288 -1.829
T123=16.3 18.2 19.5
ALT/AZ=65.0 120.5
fwAVG=2.65
sdW=19.0
fwW=2.83
sdS=122.3
fwS=2.75
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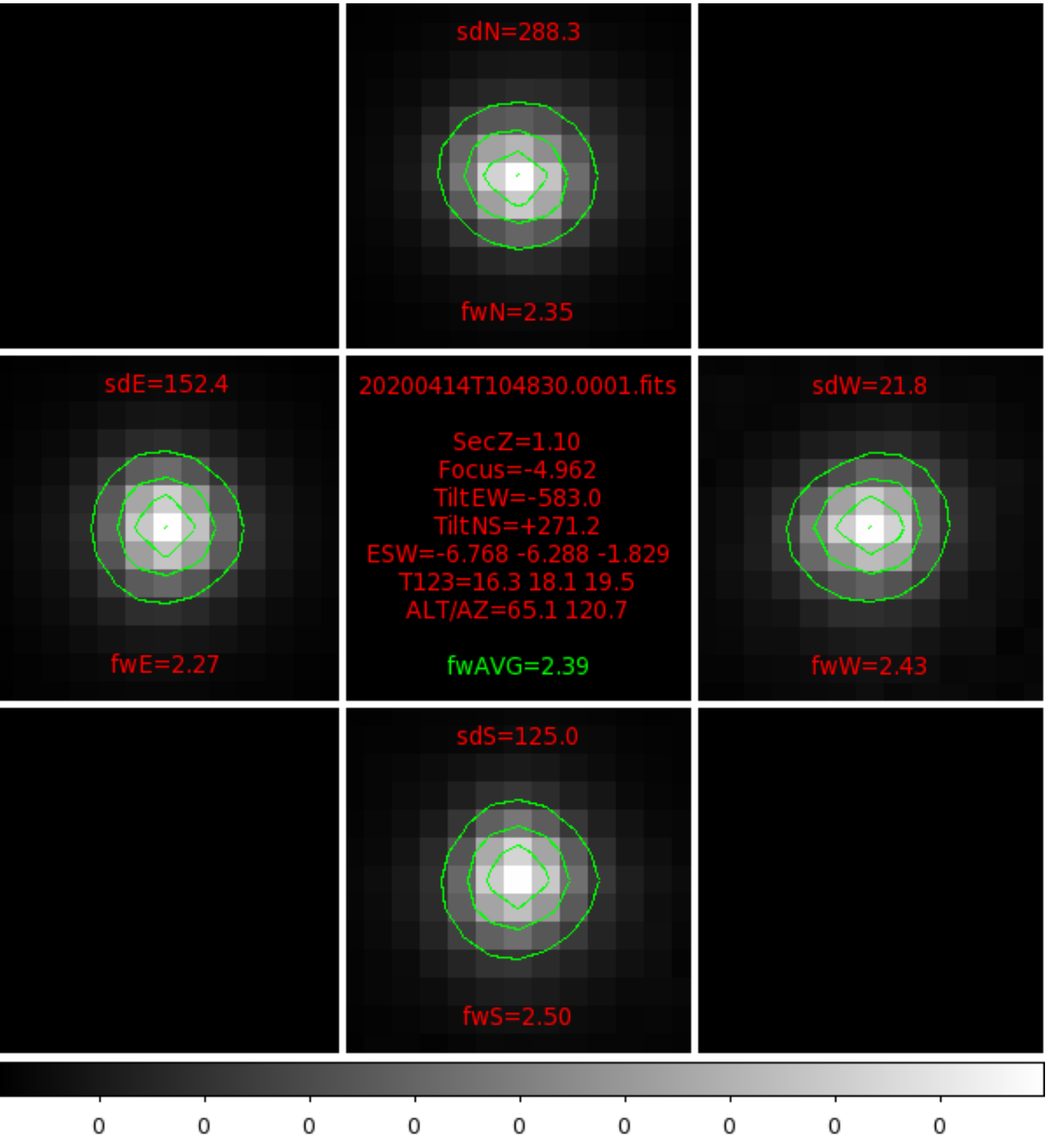
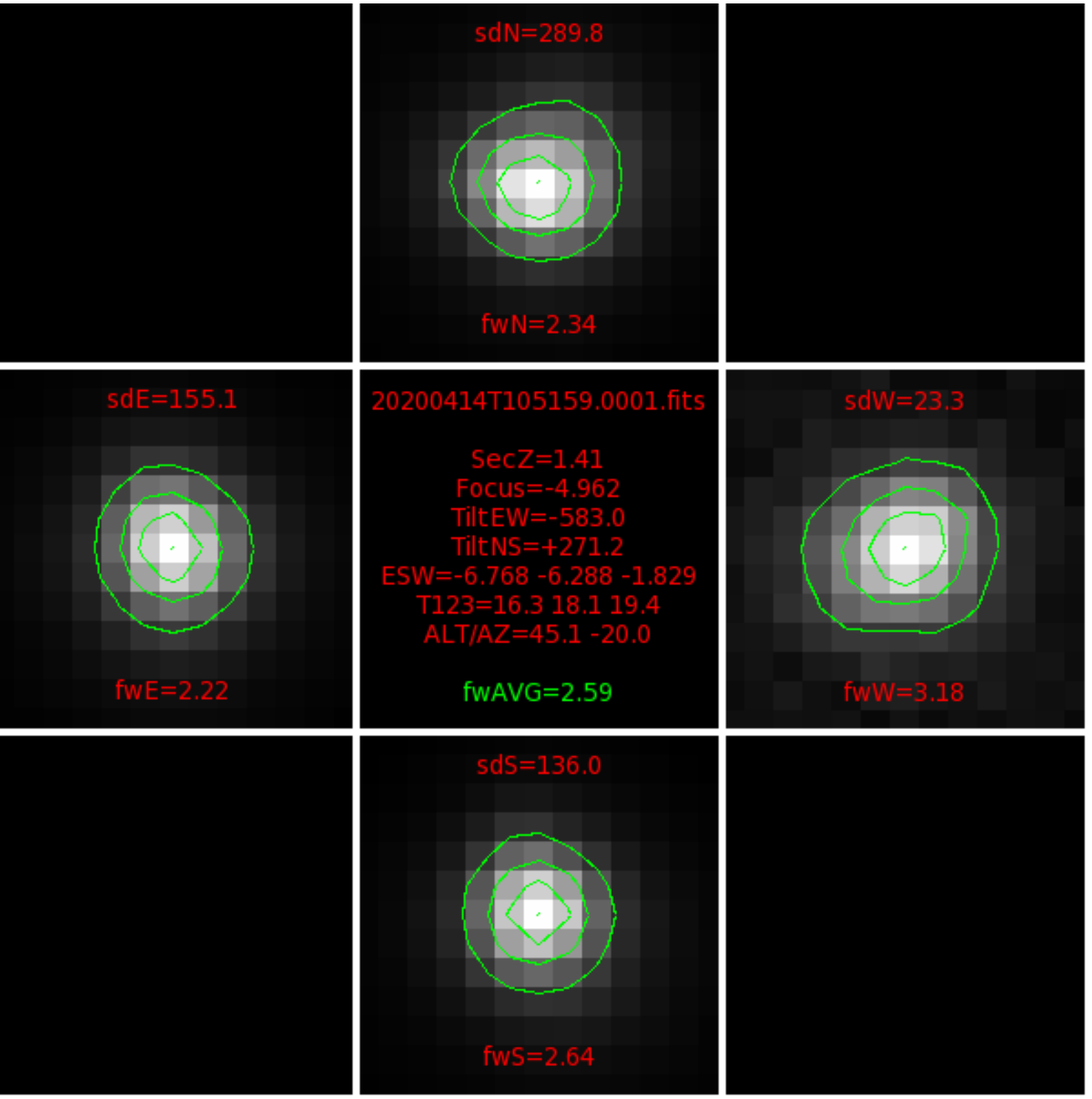

sdN=288.3
fwN=2.35
sdE=152.4
fwE=2.27
20200414T104830.0001.fits
SecZ=1.10
Focus=-4.962
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.768 -6.288 -1.829
T123=16.3 18.1 19.5
ALT/AZ=65.1 120.7
fwAVG=2.39
sdW=21.8
fwW=2.43
sdS=125.0
fwS=2.50
0 0 0 0 0 0 0 0 0


sdN=289.8
fwN=2.34
sdE=155.1
fwE=2.22
20200414T105159.0001.fits
SecZ=1.41
Focus=-4.962
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.768 -6.288 -1.829
T123=16.3 18.1 19.4
ALT/AZ=45.1 -20.0
fwAVG=2.59
sdW=23.3
fwW=3.18
sdS=136.0
fwS=2.64
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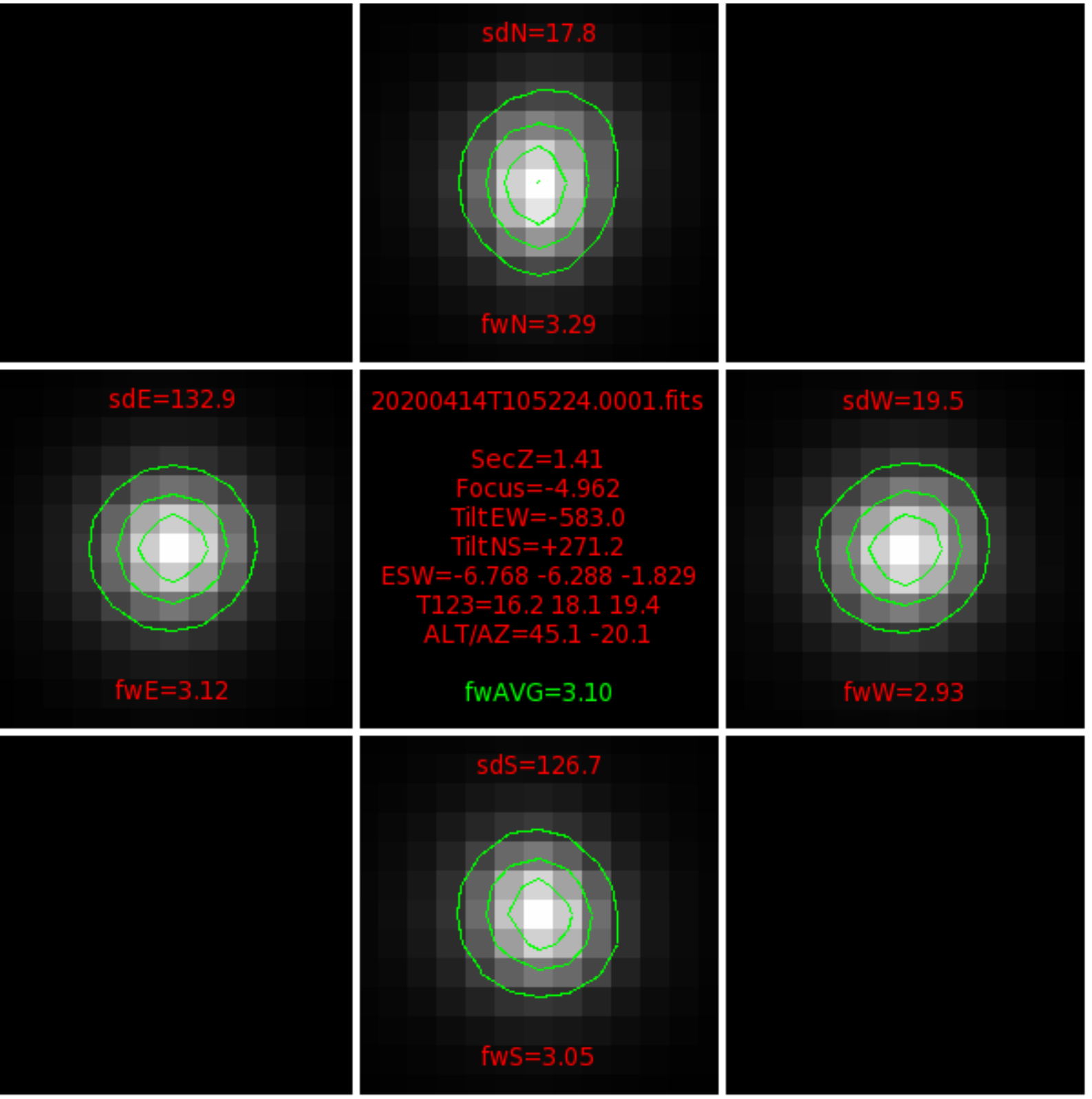
sdN=17.8
fwN=3.29
sdE=132.9
fwE=3.12
20200414T105224.0001.fits
SecZ=1.41
Focus=-4.962
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.768 -6.288 -1.829
T123=16.2 18.1 19.4
ALT/AZ=45.1 -20.1
fwAVG=3.10
sdW=19.5
fwW=2.93
sdS=126.7
fwS=3.05
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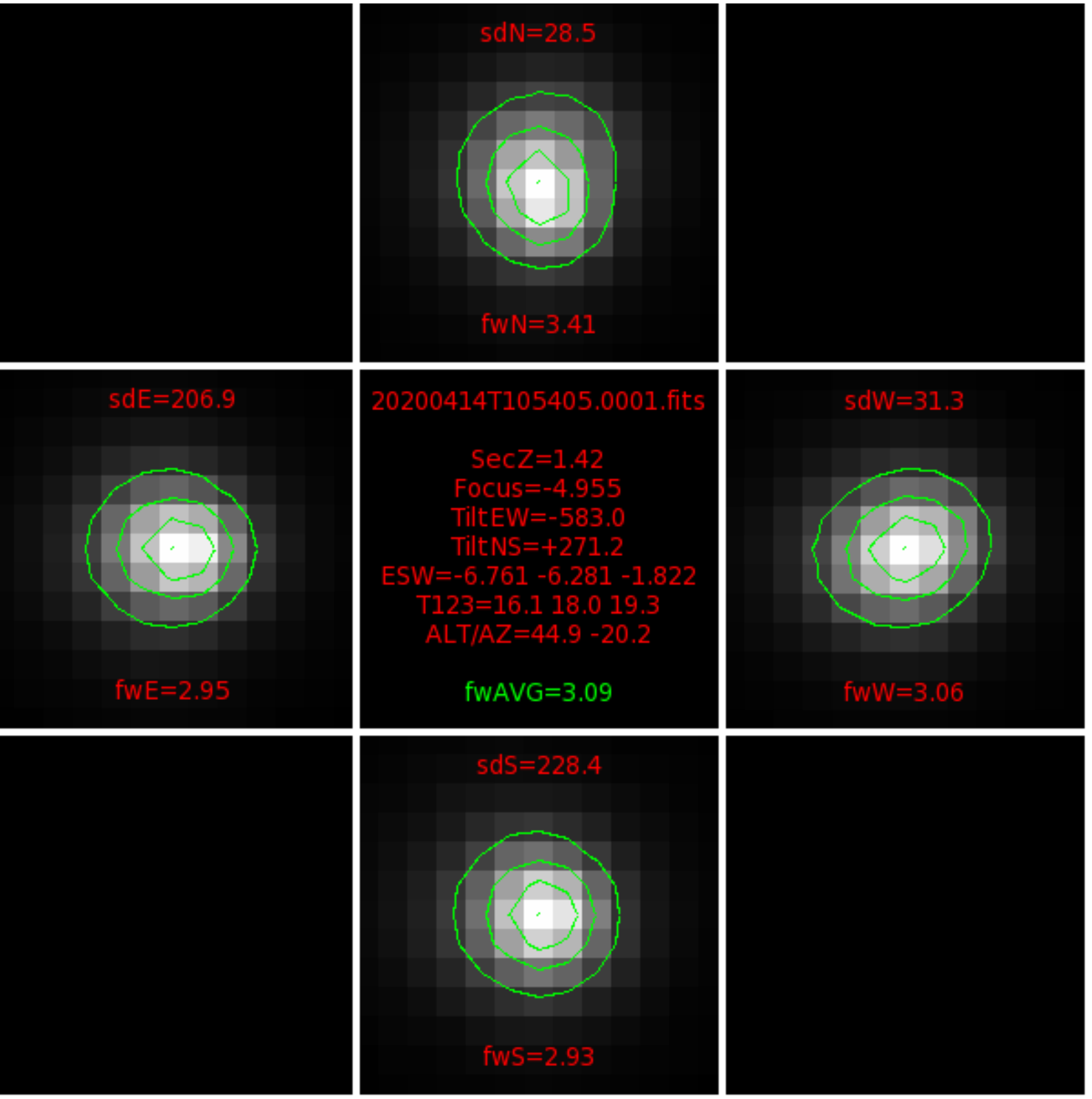
sdN=28.5
fwN=3.41
sdE=206.9
fwE=2.95
20200414T105405.0001.fits
SecZ=1.42
Focus=-4.955
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.761 -6.281 -1.822
T123=16.1 18.0 19.3
ALT/AZ=44.9 -20.2
fwAVG=3.09
sdW=31.3
fwW=3.06
sdS=228.4
fwS=2.93
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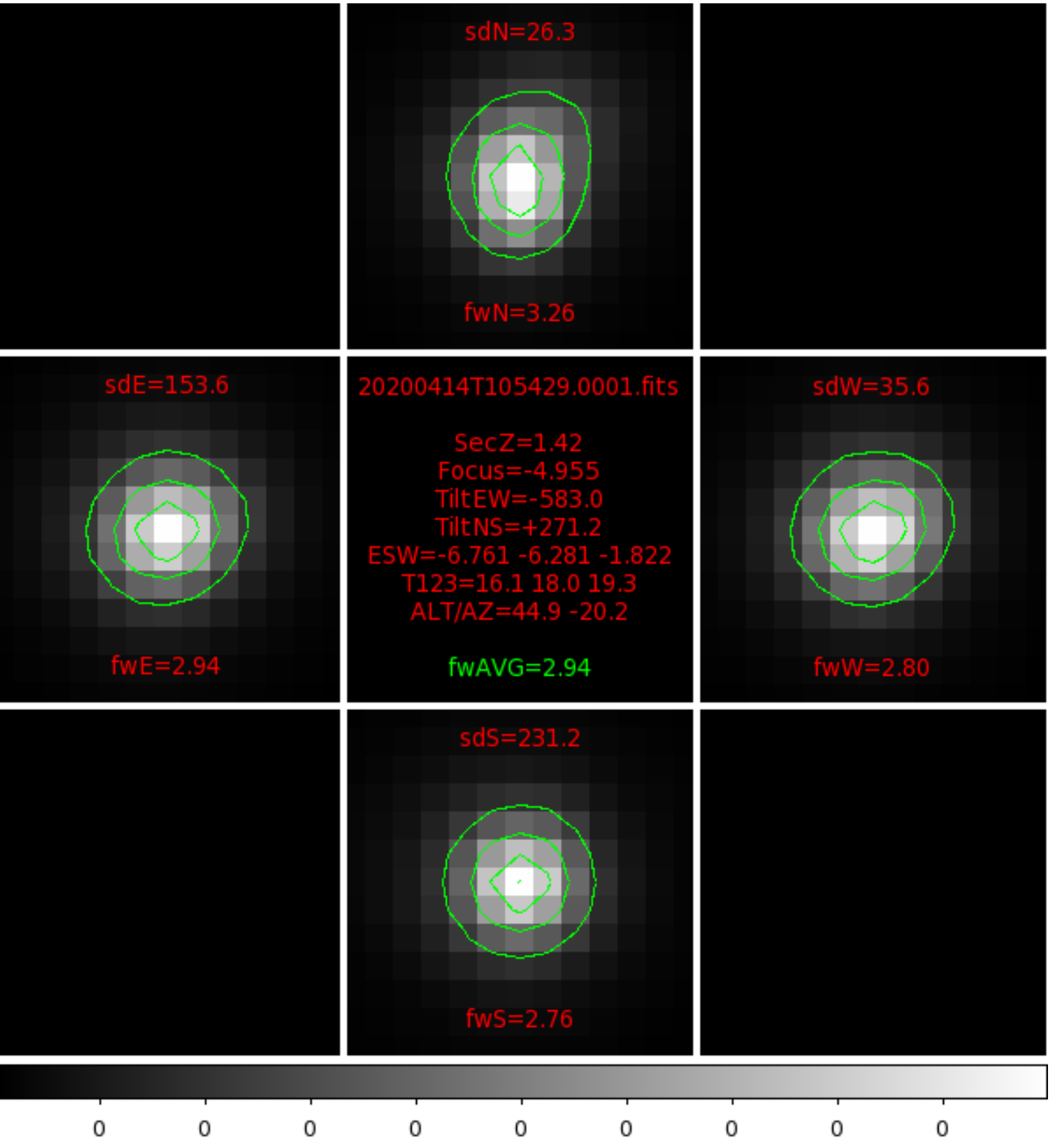
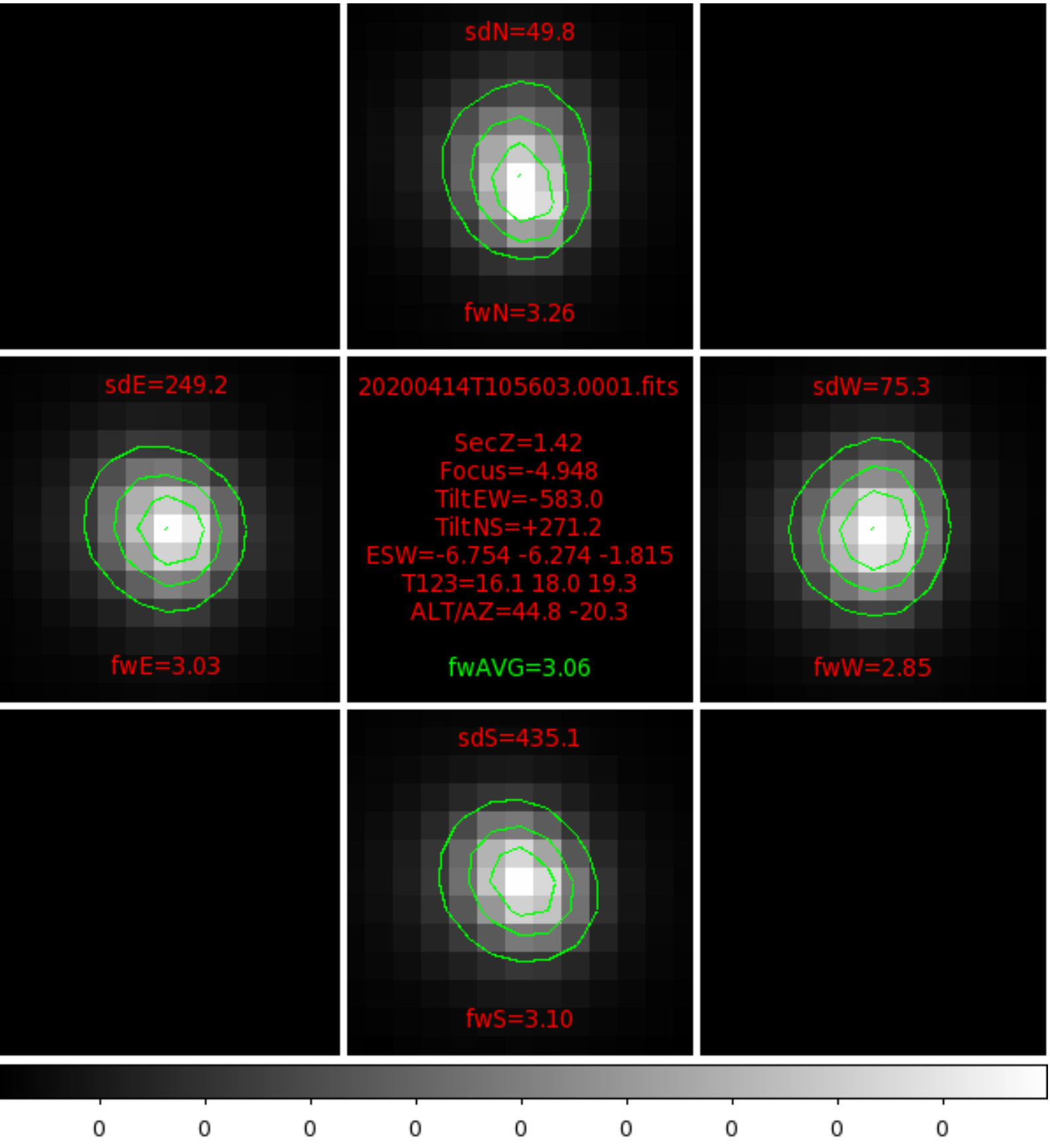
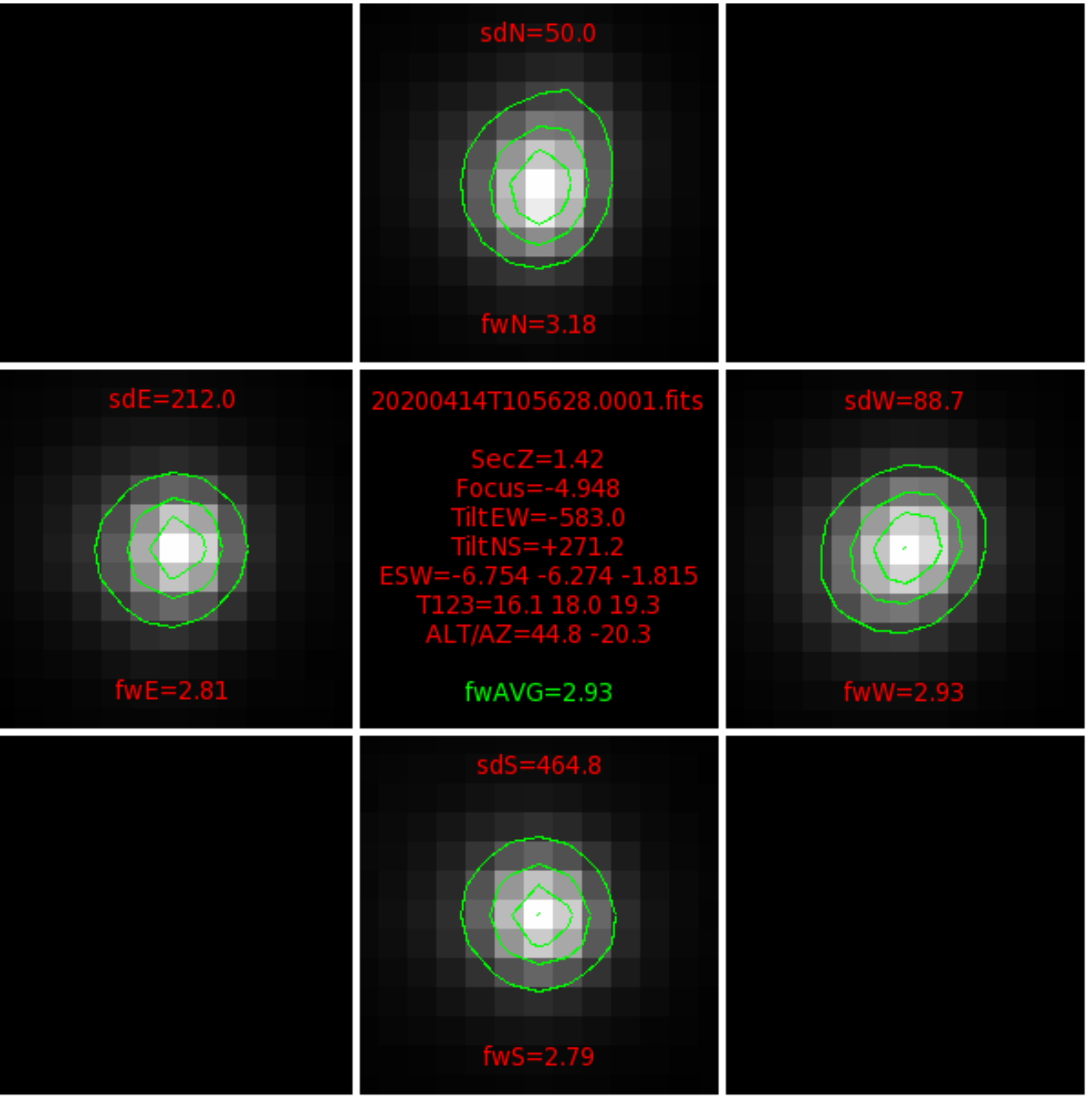
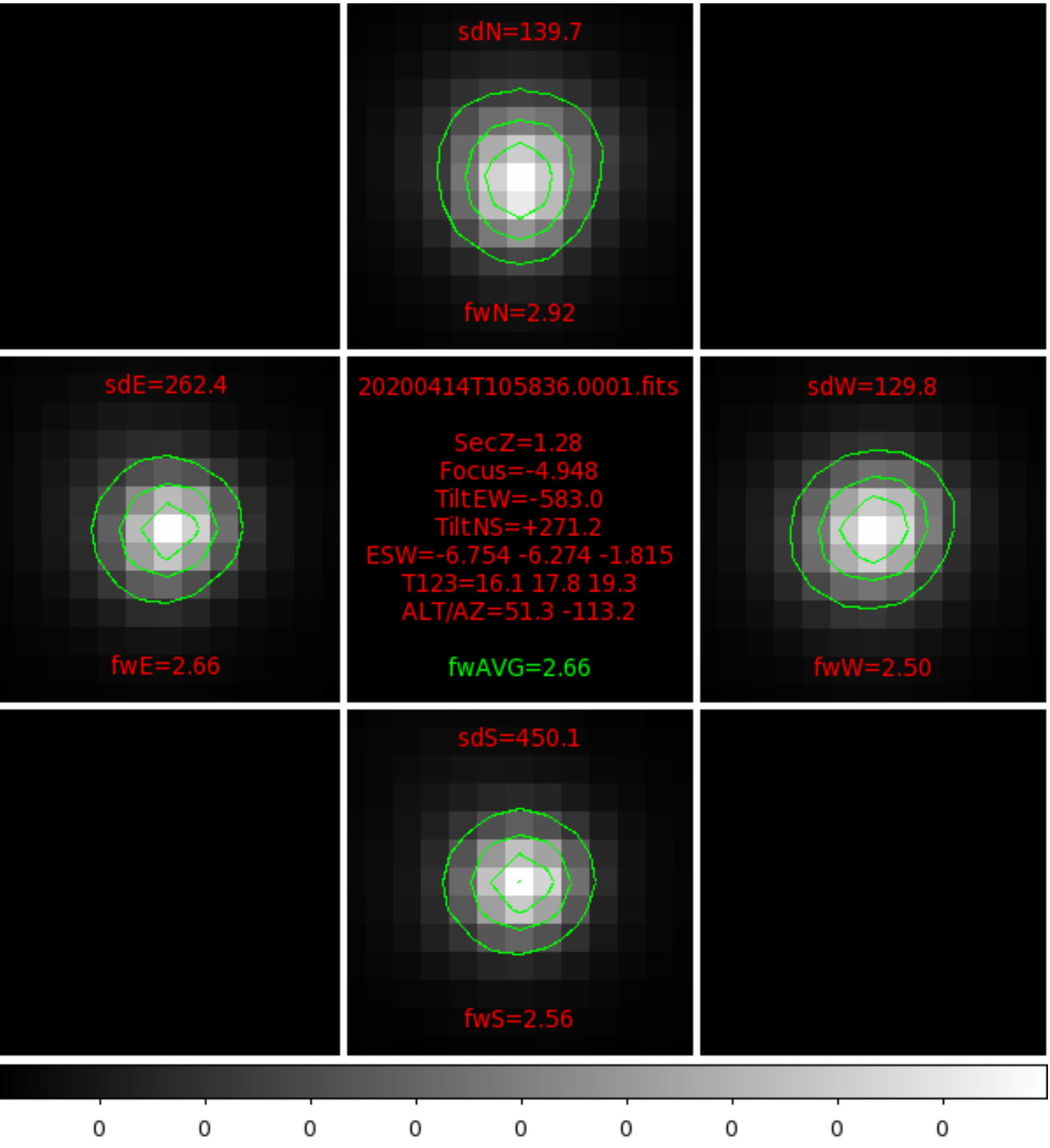
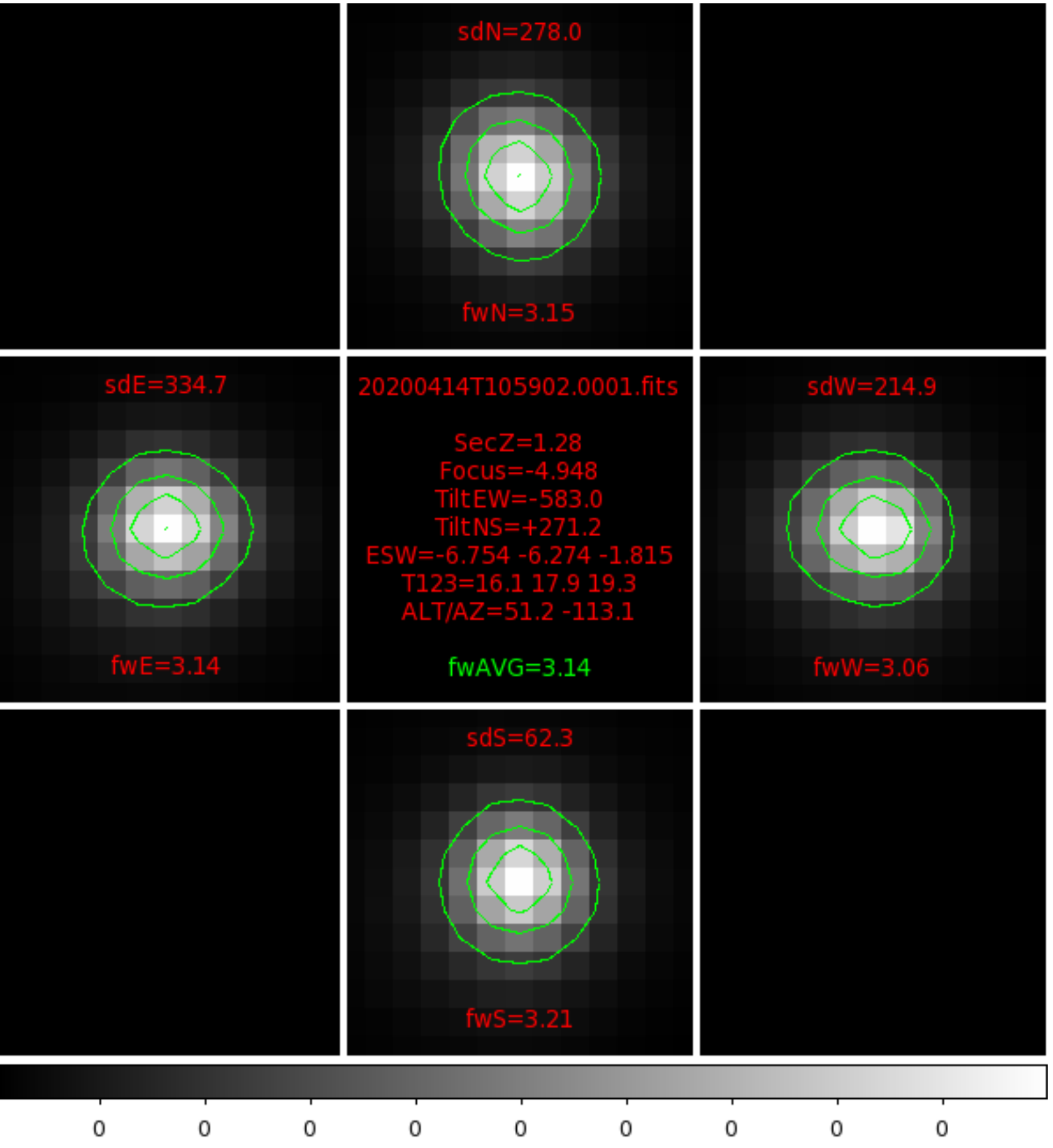
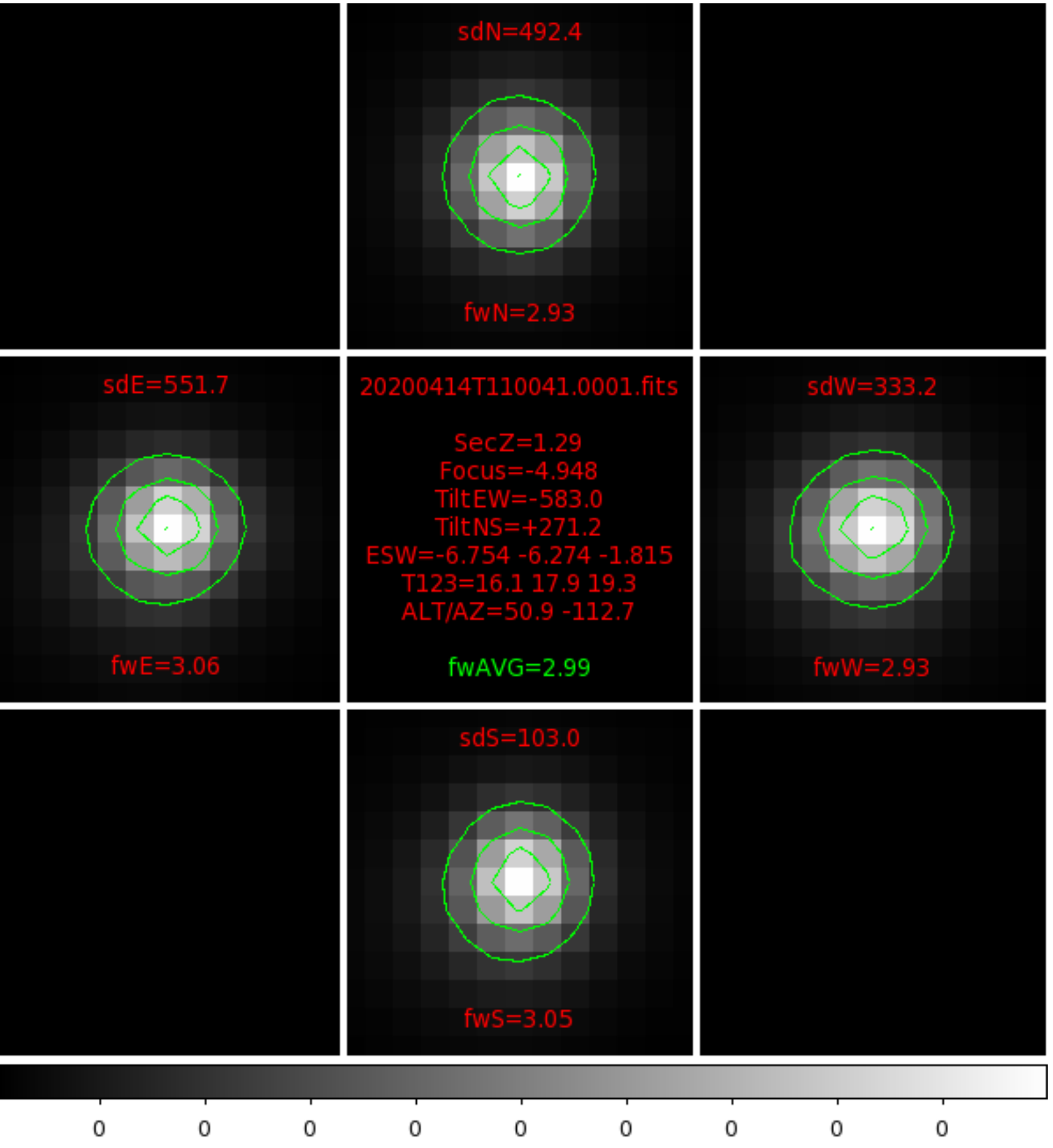

sdN=26.3
fwN=3.26
sdE=153.6
fwE=2.94
20200414T105429.0001.fits
SecZ=1.42
Focus=-4.955
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.761 -6.281 -1.822
T123=16.1 18.0 19.3
ALT/AZ=44.9 -20.2
fwAVG=2.94
sdW=35.6
fwW=2.80
sdS=231.2
fwS=2.76
0 0 0 0 0 0 0 0 0


sdN=49.8
fwN=3.26
sdE=249.2
fwE=3.03
20200414T105603.0001.fits
SecZ=1.42
Focus=-4.948
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.754 -6.274 -1.815
T123=16.1 18.0 19.3
ALT/AZ=44.8 -20.3
fwAVG=3.06
sdW=75.3
fwW=2.85
sdS=435.1
fwS=3.10
0 0 0 0 0 0 0 0 0


sdN=50.0
fwN=3.18
sdE=212.0
fwE=2.81
20200414T105628.0001.fits
SecZ=1.42
Focus=-4.948
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.754 -6.274 -1.815
T123=16.1 18.0 19.3
ALT/AZ=44.8 -20.3
fwAVG=2.93
sdW=88.7
fwW=2.93
sdS=464.8
fwS=2.79
0 0 0 0 0 0 0 0 0


sdN=139.7
fwN=2.92
sdE=262.4
fwE=2.66
20200414T105836.0001.fits
SecZ=1.28
Focus=-4.948
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.754 -6.274 -1.815
T123=16.1 17.8 19.3
ALT/AZ=51.3 -113.2
fwAVG=2.66
sdW=129.8
fwW=2.50
sdS=450.1
fwS=2.56
0 0 0 0 0 0 0 0 0


sdN=278.0
fwN=3.15
sdE=334.7
fwE=3.14
20200414T105902.0001.fits
SecZ=1.28
Focus=-4.948
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.754 -6.274 -1.815
T123=16.1 17.9 19.3
ALT/AZ=51.2 -113.1
fwAVG=3.14
sdW=214.9
fwW=3.06
sdS=62.3
fwS=3.21
0 0 0 0 0 0 0 0 0


sdN=492.4
fwN=2.93
sdE=551.7
fwE=3.06
20200414T110041.0001.fits
SecZ=1.29
Focus=-4.948
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.754 -6.274 -1.815
T123=16.1 17.9 19.3
ALT/AZ=50.9 -112.7
fwAVG=2.99
sdW=333.2
fwW=2.93
sdS=103.0
fwS=3.05
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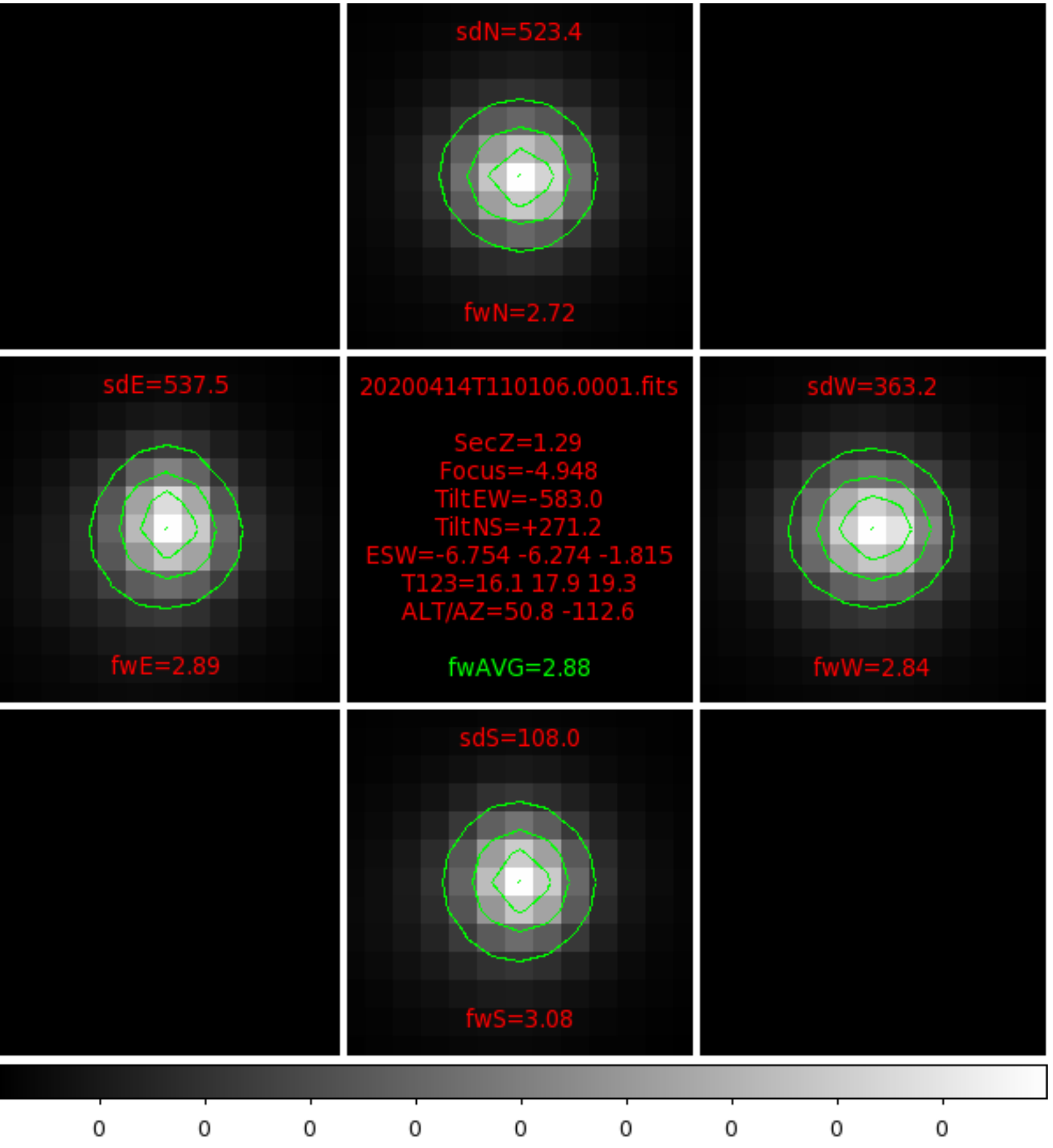
sdN=523.4
fwN=2.72
sdE=537.5
fwE=2.89
20200414T110106.0001.fits
SecZ=1.29
Focus=-4.948
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.754 -6.274 -1.815
T123=16.1 17.9 19.3
ALT/AZ=50.8 -112.6
fwAVG=2.88
sdW=363.2
fwW=2.84
sdS=108.0
fwS=3.08
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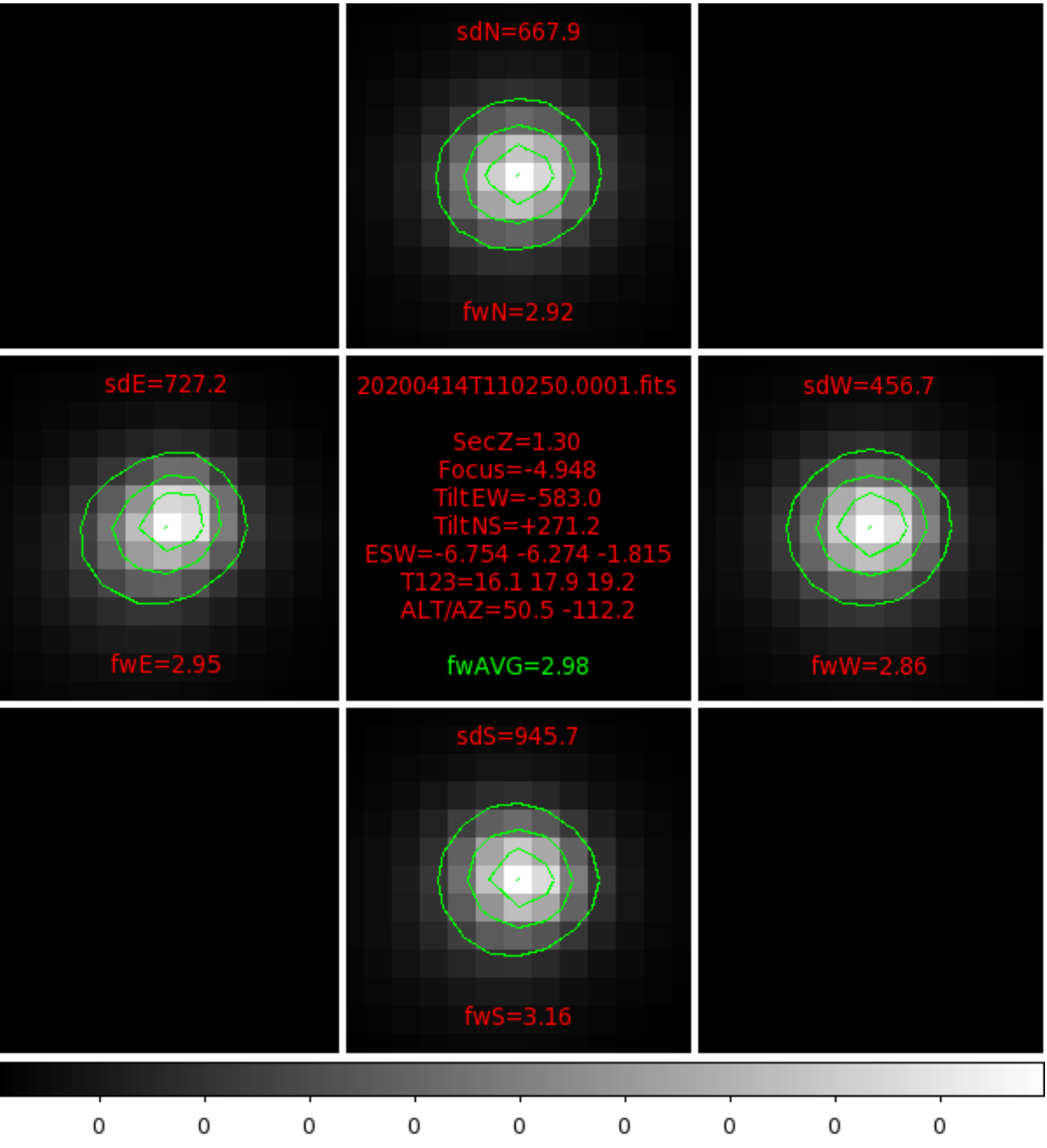
sdN=667.9
fwN=2.92
sdE=727.2
fwE=2.95
20200414T110250.0001.fits
SecZ=1.30
Focus=-4.948
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.754 -6.274 -1.815
T123=16.1 17.9 19.2
ALT/AZ=50.5 -112.2
fwAVG=2.98
sdW=456.7
fwW=2.86
sdS=945.7
fwS=3.16
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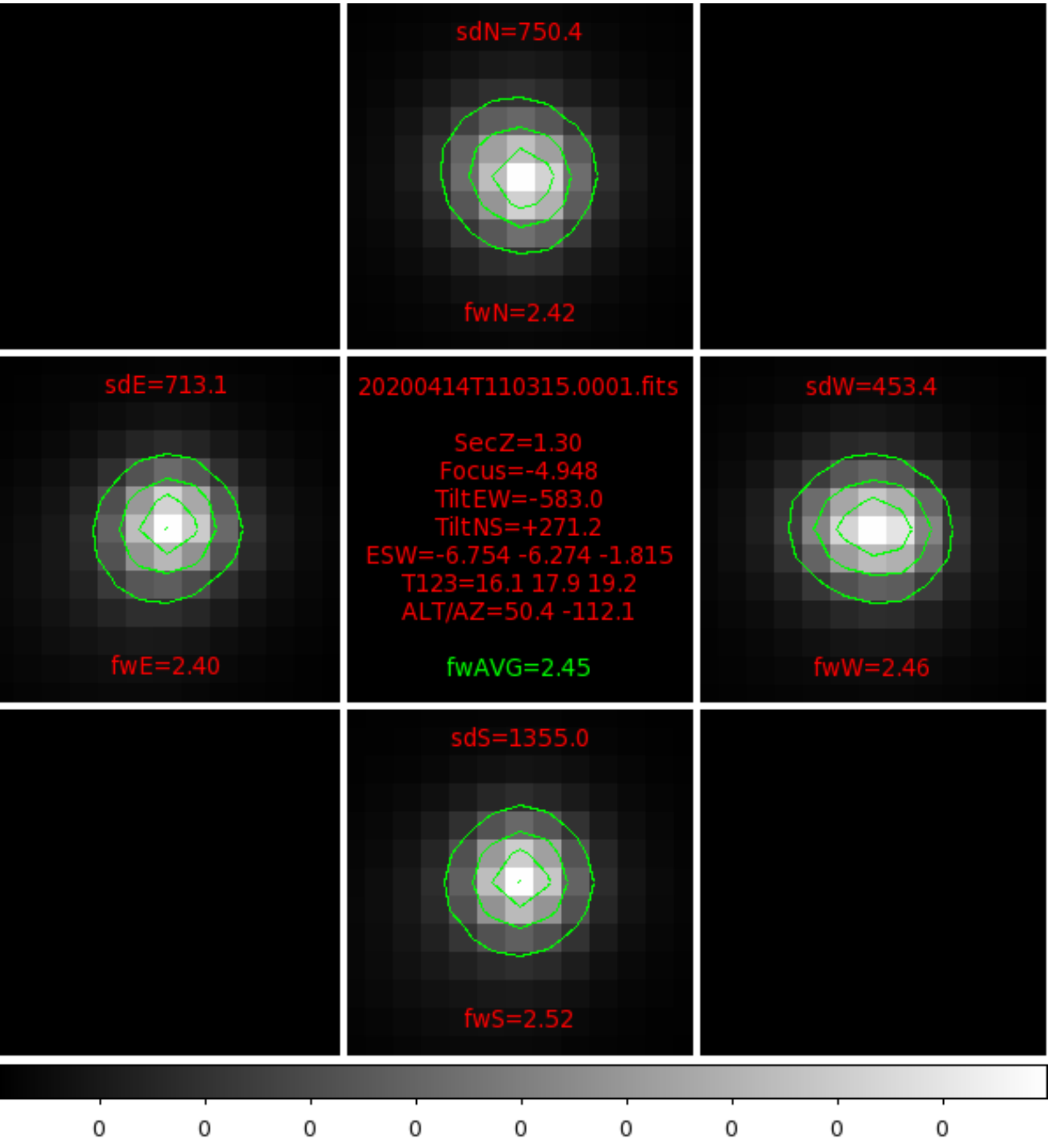
sdN=750.4
fwN=2.42
sdE=713.1
fwE=2.40
20200414T110315.0001.fits
SecZ=1.30
Focus=-4.948
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.754 -6.274 -1.815
T123=16.1 17.9 19.2
ALT/AZ=50.4 -112.1
fwAVG=2.45
sdW=453.4
fwW=2.46
sdS=1355.0
fwS=2.52
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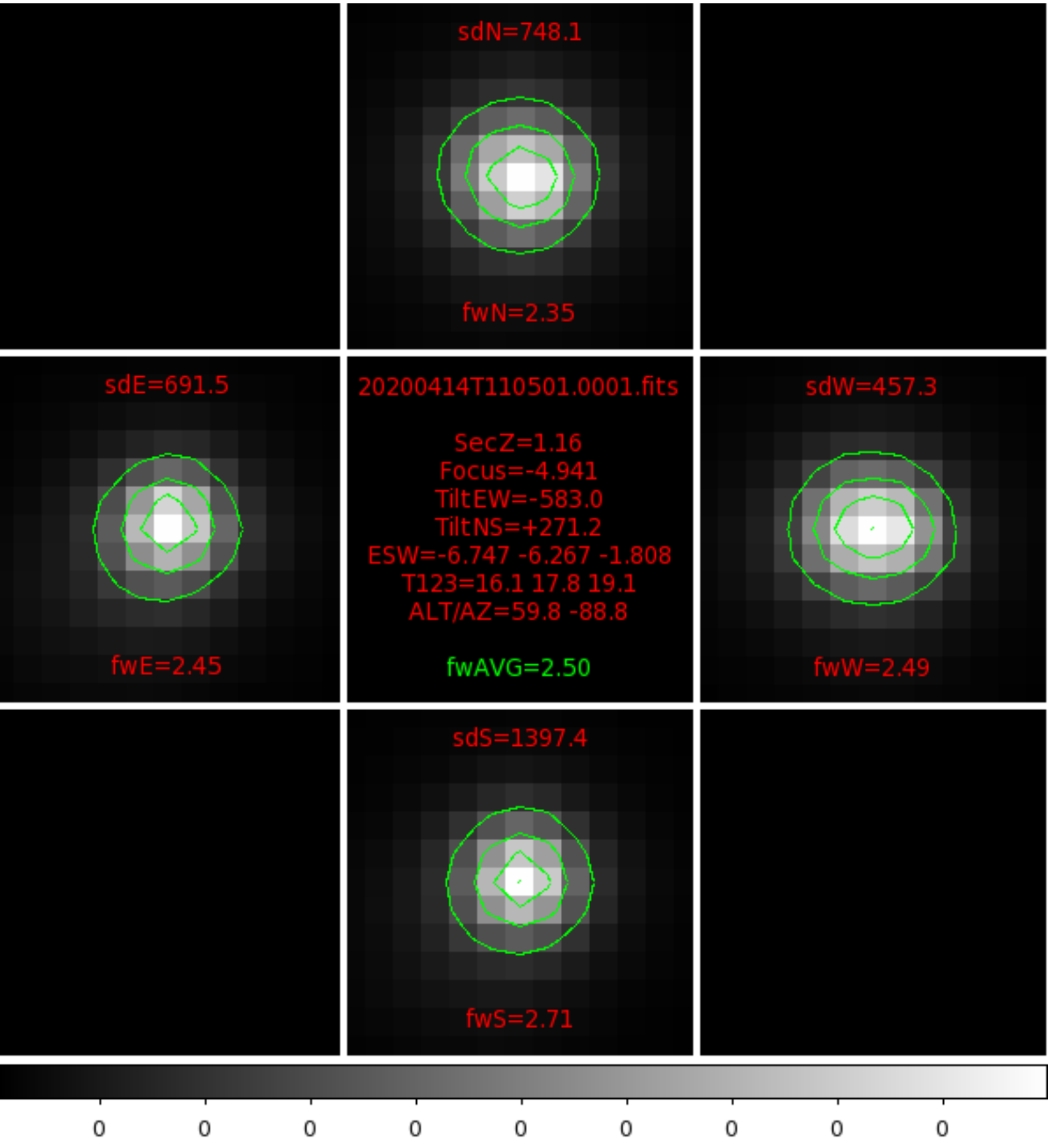
sdN=748.1
fwN=2.35
sdE=691.5
fwE=2.45
20200414T110501.0001.fits
SecZ=1.16
Focus=-4.941
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.747 -6.267 -1.808
T123=16.1 17.8 19.1
ALT/AZ=59.8 -88.8
fwAVG=2.50
sdW=457.3
fwW=2.49
sdS=1397.4
fwS=2.71
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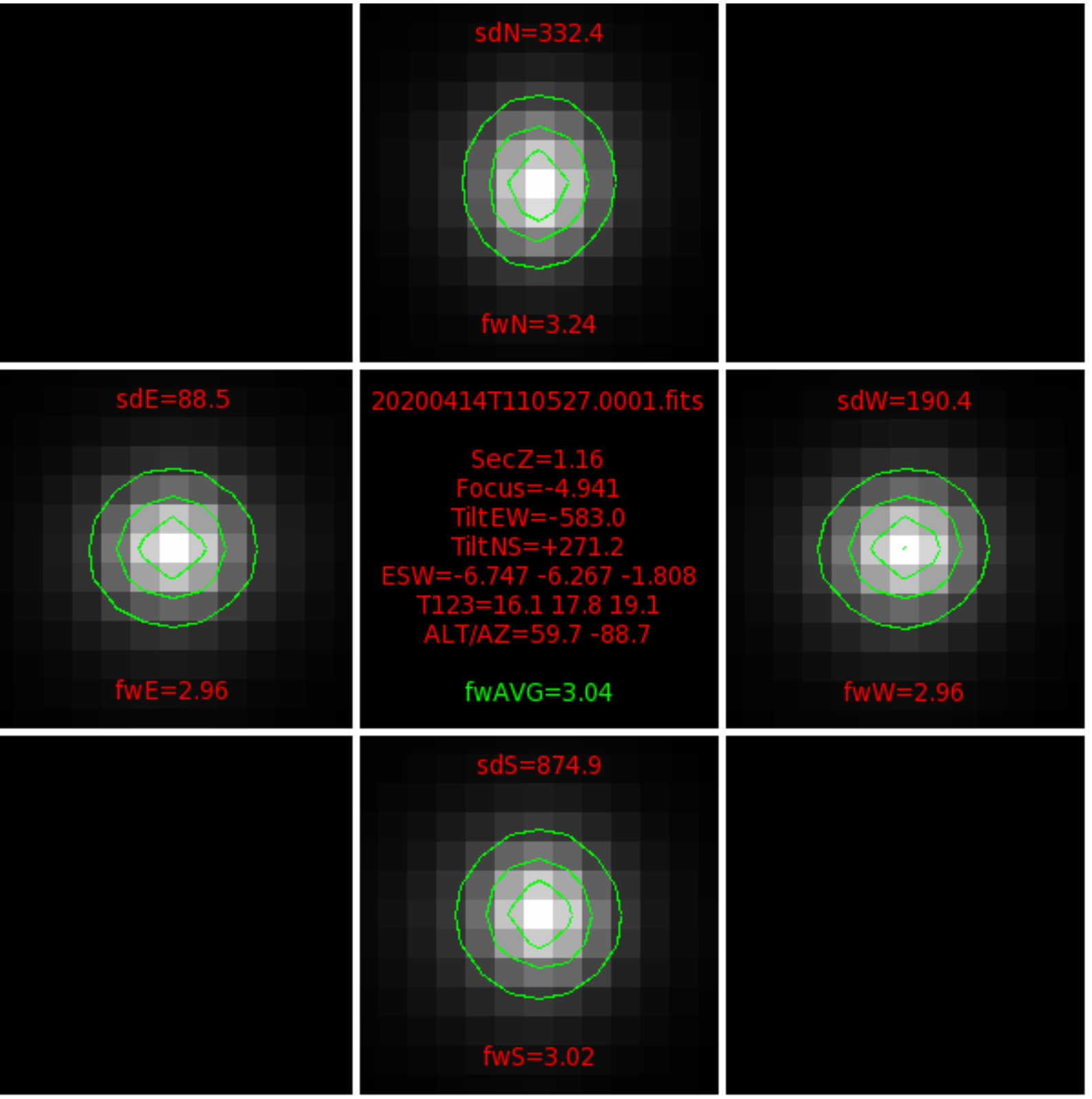
sdN=332.4
fwN=3.24
sdE=88.5
fwE=2.96
20200414T110527.0001.fits
SecZ=1.16
Focus=-4.941
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.747 -6.267 -1.808
T123=16.1 17.8 19.1
ALT/AZ=59.7 -88.7
fwAVG=3.04
sdW=190.4
fwW=2.96
sdS=874.9
fwS=3.02
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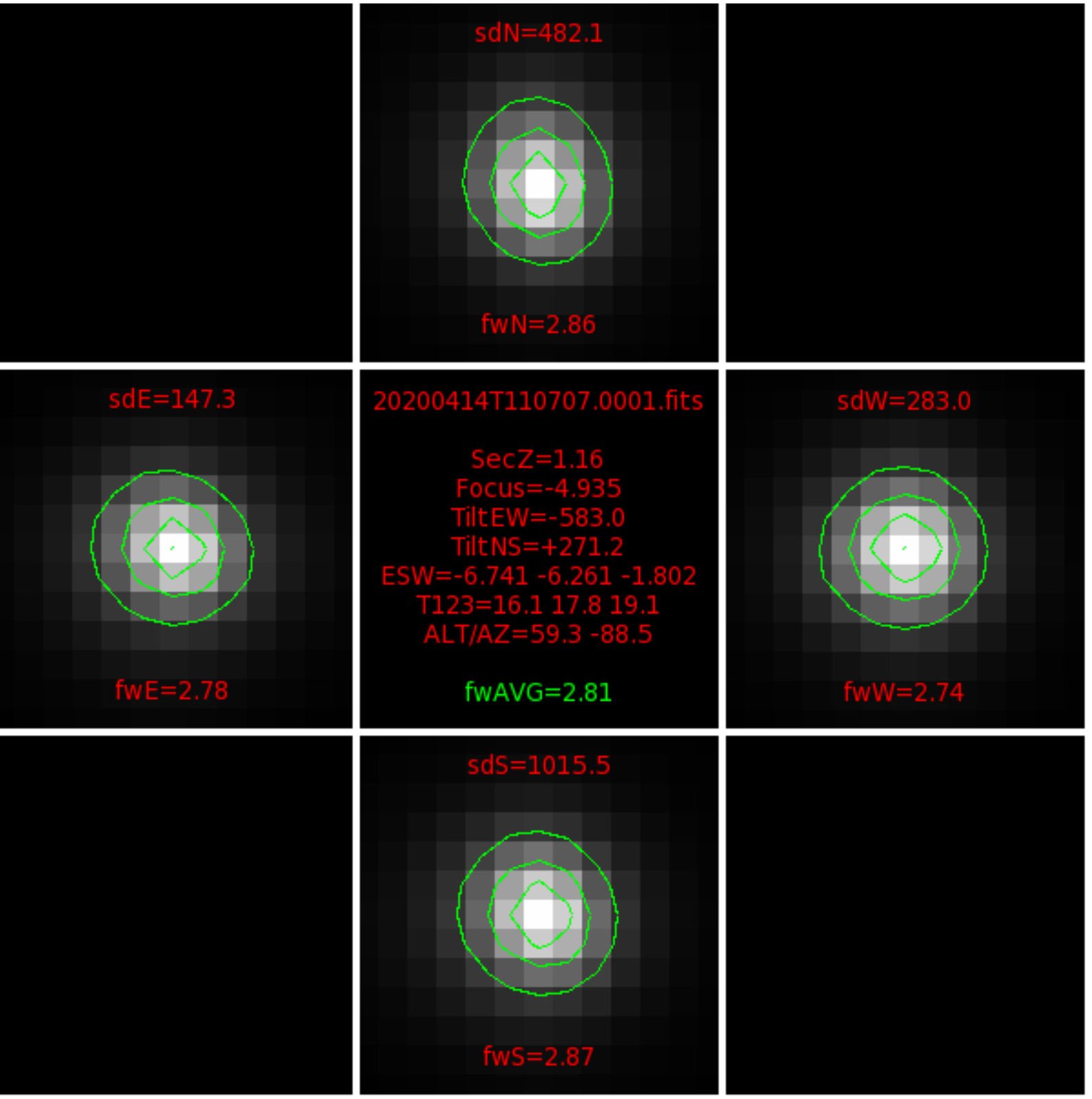
sdN=482.1
fwN=2.86
sdE=147.3
fwE=2.78
20200414T110707.0001.fits
SecZ=1.16
Focus=-4.935
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.741 -6.261 -1.802
T123=16.1 17.8 19.1
ALT/AZ=59.3 -88.5
fwAVG=2.81
sdW=283.0
fwW=2.74
sdS=1015.5
fwS=2.87
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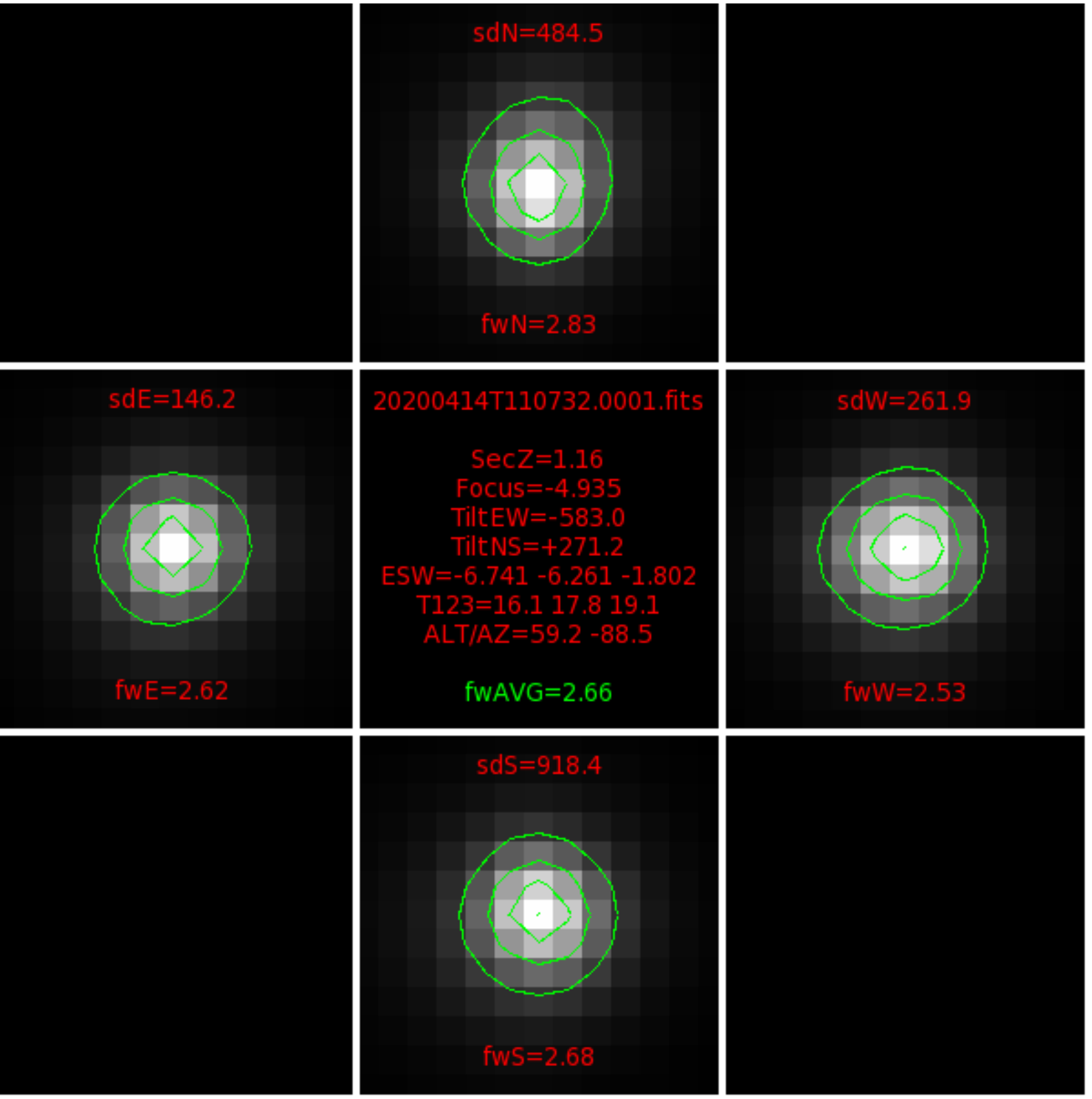
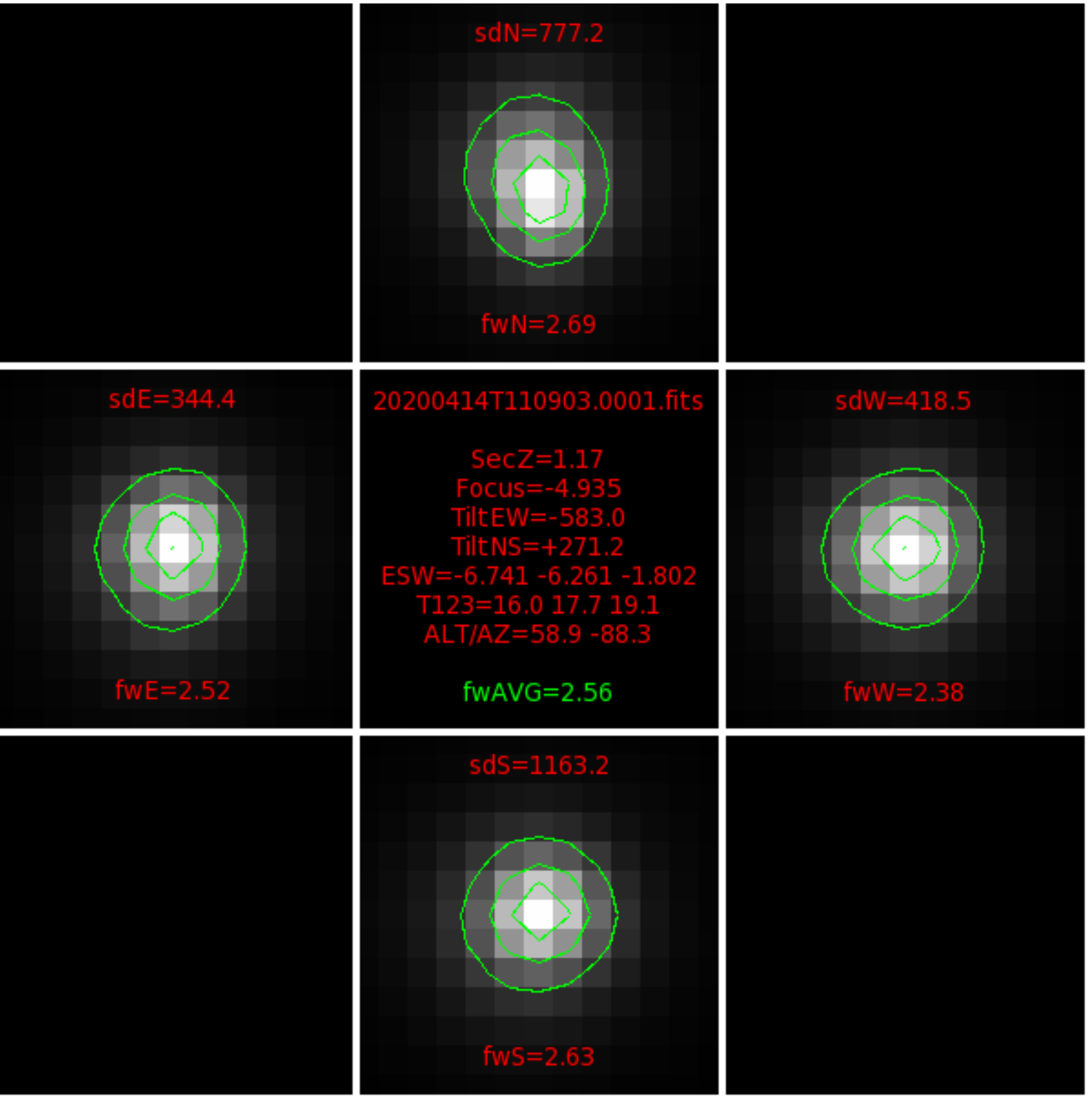

sdN=484.5
fwN=2.83
sdE=146.2
fwE=2.62
20200414T110732.0001.fits
SecZ=1.16
Focus=-4.935
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.741 -6.261 -1.802
T123=16.1 17.8 19.1
ALT/AZ=59.2 -88.5
fwAVG=2.66
sdW=261.9
fwW=2.53
sdS=918.4
fwS=2.68
0 0 0 0 0 0 0 0 0


sdN=777.2
fwN=2.69
sdE=344.4
fwE=2.52
20200414T110903.0001.fits
SecZ=1.17
Focus=-4.935
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.741 -6.261 -1.802
T123=16.0 17.7 19.1
ALT/AZ=58.9 -88.3
fwAVG=2.56
sdW=418.5
fwW=2.38
sdS=1163.2
fwS=2.63
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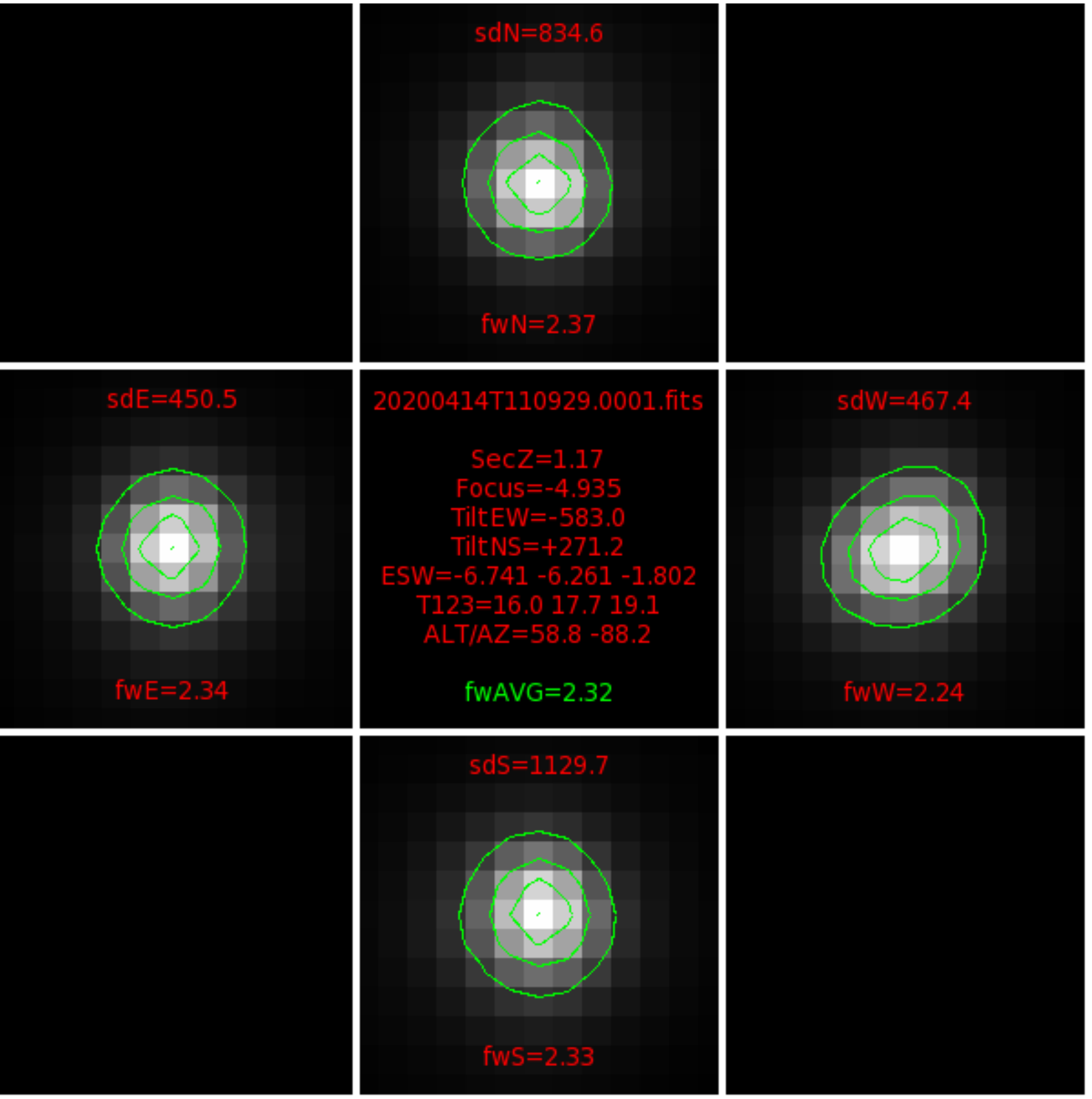
sdN=834.6
fwN=2.37
sdE=450.5
fwE=2.34
20200414T110929.0001.fits
SecZ=1.17
Focus=-4.935
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.741 -6.261 -1.802
T123=16.0 17.7 19.1
ALT/AZ=58.8 -88.2
fwAVG=2.32
sdW=467.4
fwW=2.24
sdS=1129.7
fwS=2.33
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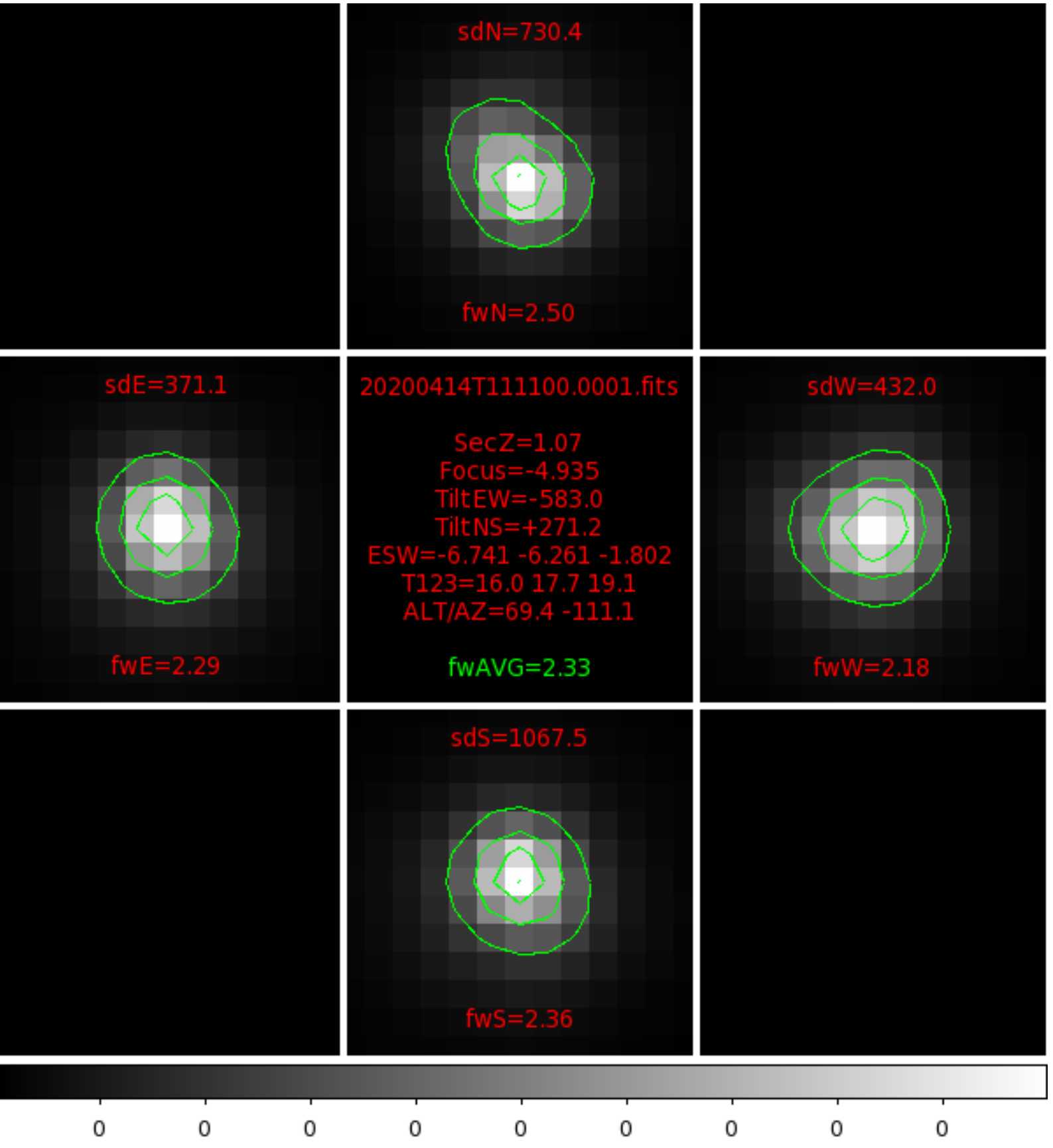
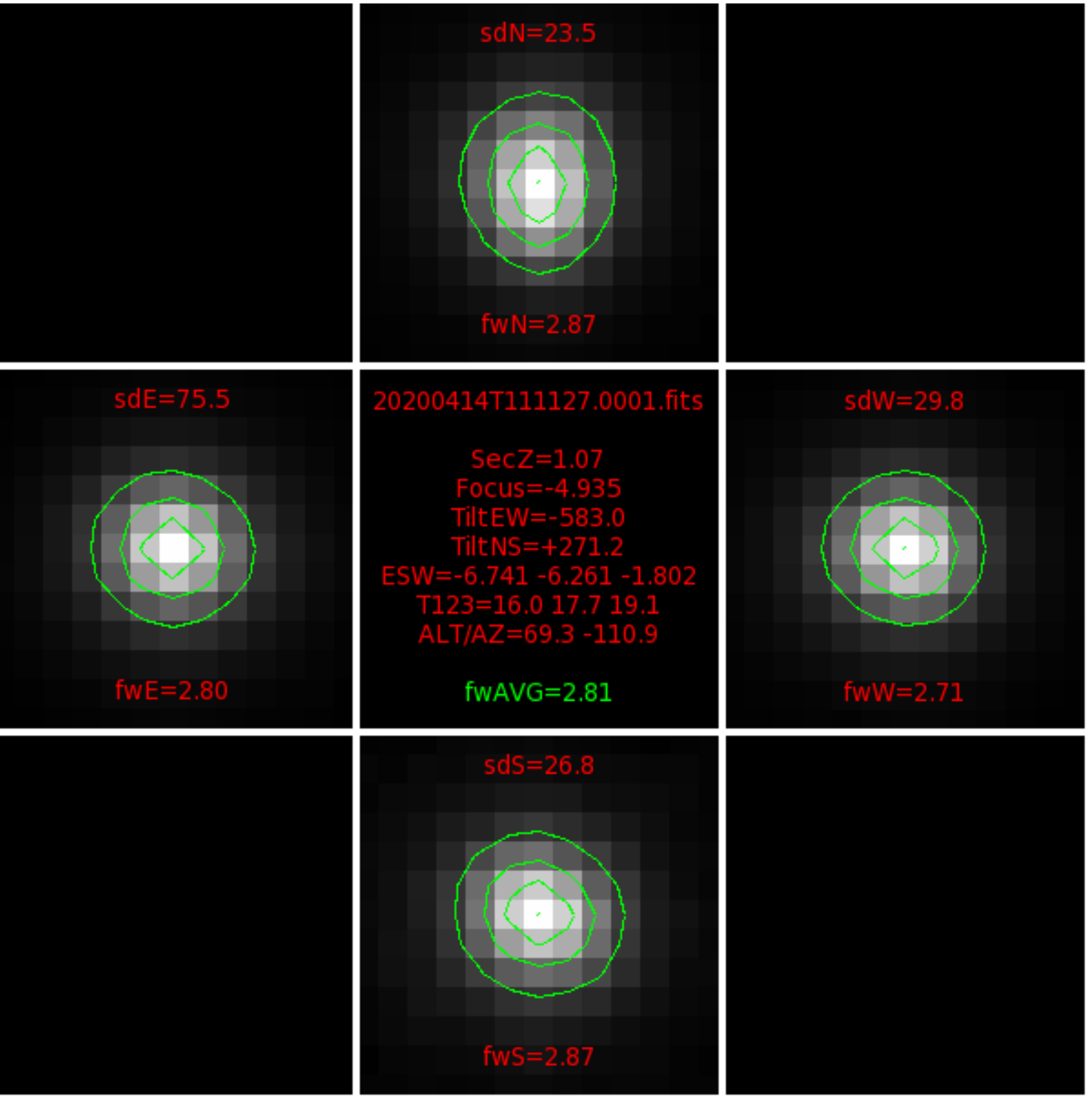

sdN=730.4
fwN=2.50
sdE=371.1
fwE=2.29
20200414T111100.0001.fits
SecZ=1.07
Focus=-4.935
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.741 -6.261 -1.802
T123=16.0 17.7 19.1
ALT/AZ=69.4 -111.1
fwAVG=2.33
sdW=432.0
fwW=2.18
sdS=1067.5
fwS=2.36
0 0 0 0 0 0 0 0 0


sdN=23.5
fwN=2.87
sdE=75.5
fwE=2.80
20200414T111127.0001.fits
SecZ=1.07
Focus=-4.935
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.741 -6.261 -1.802
T123=16.0 17.7 19.1
ALT/AZ=69.3 -110.9
fwAVG=2.81
sdW=29.8
fwW=2.71
sdS=26.8
fwS=2.87
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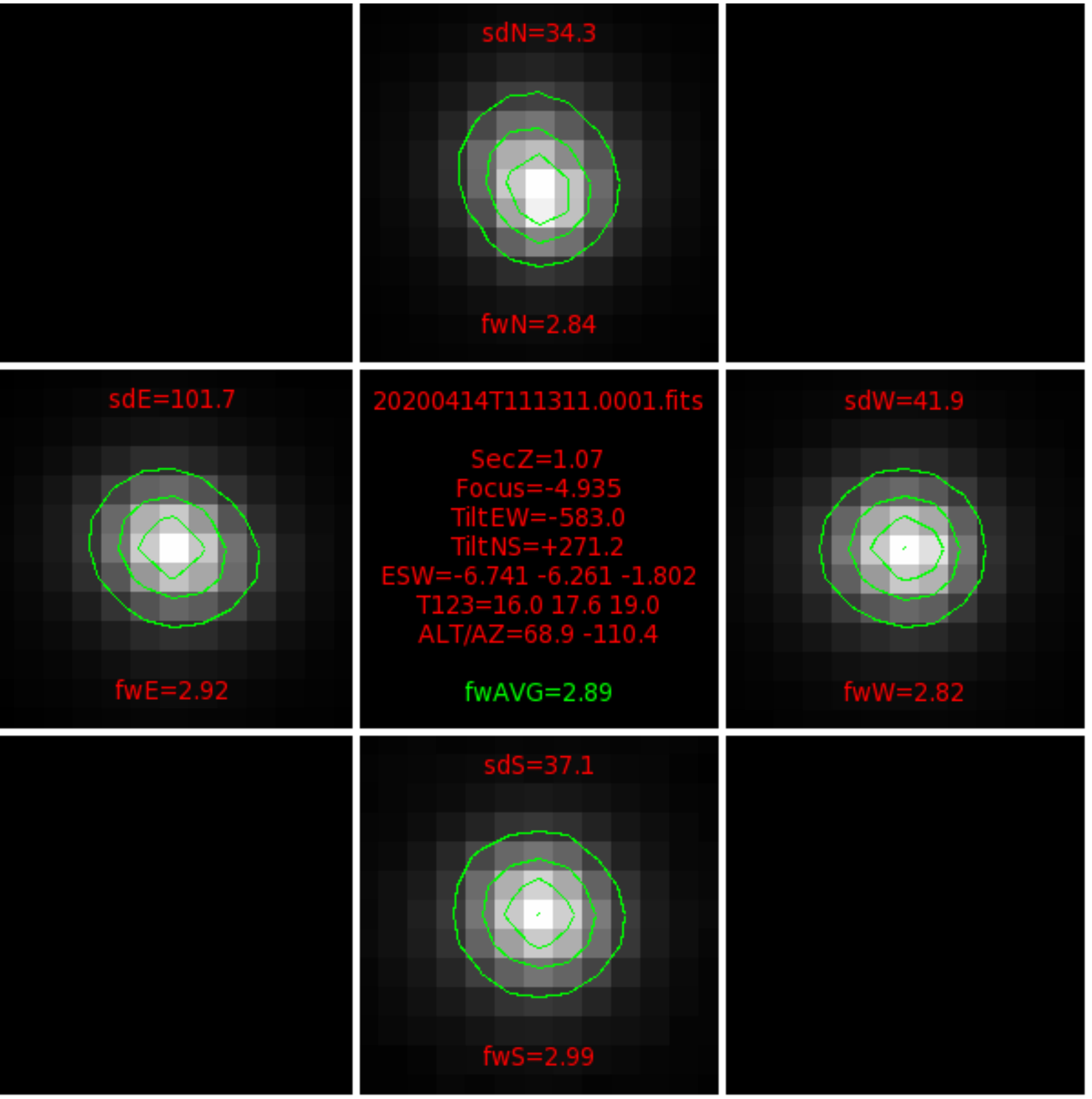
sdN=34.3
fwN=2.84
sdE=101.7
fwE=2.92
20200414T111311.0001.fits
SecZ=1.07
Focus=-4.935
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.741 -6.261 -1.802
T123=16.0 17.6 19.0
ALT/AZ=68.9 -110.4
fwAVG=2.89
sdW=41.9
fwW=2.82
sdS=37.1
fwS=2.99
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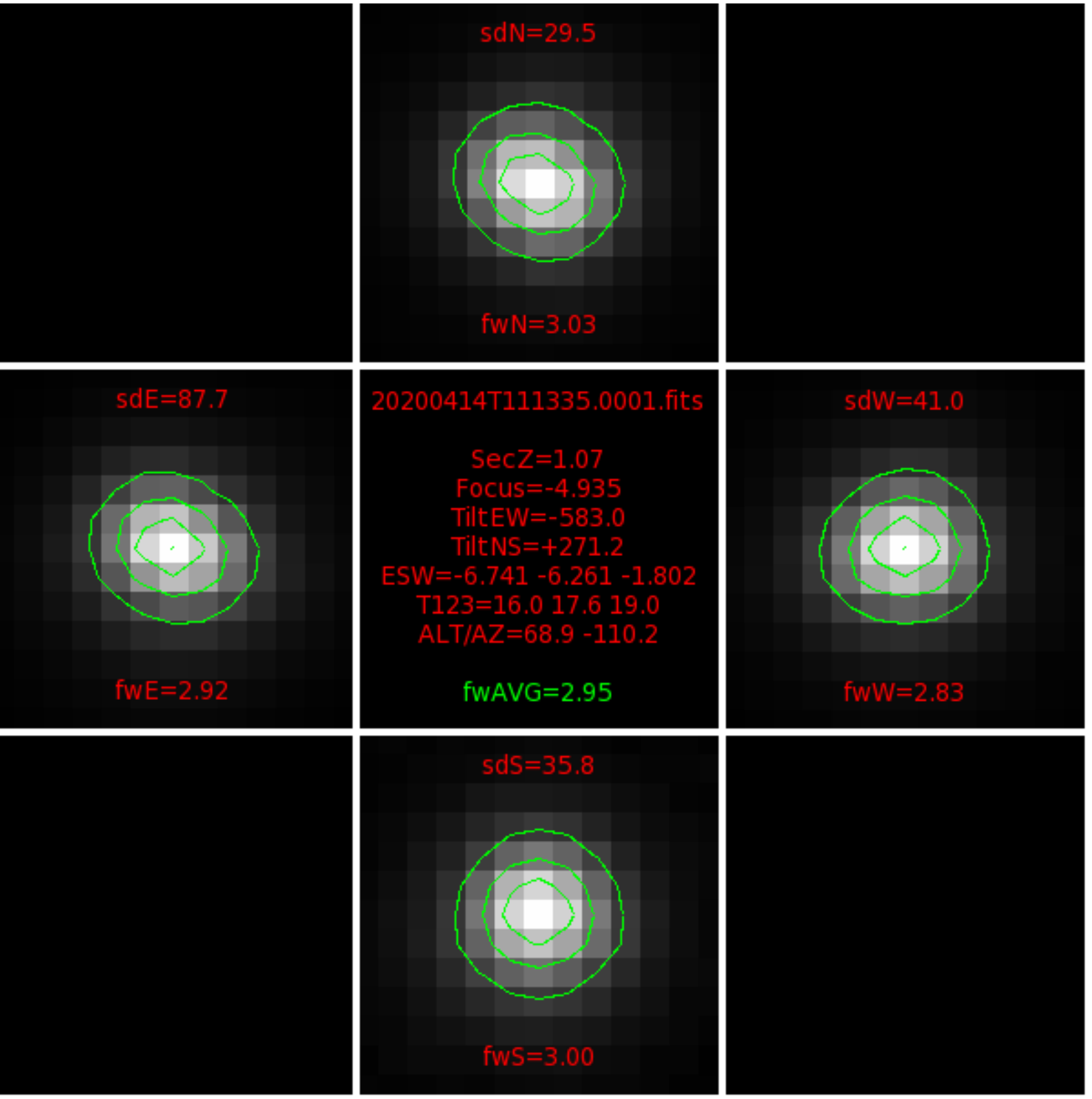
sdN=29.5
fwN=3.03
sdE=87.7
fwE=2.92
20200414T111335.0001.fits
SecZ=1.07
Focus=-4.935
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.741 -6.261 -1.802
T123=16.0 17.6 19.0
ALT/AZ=68.9 -110.2
fwAVG=2.95
sdW=41.0
fwW=2.83
sdS=35.8
fwS=3.00
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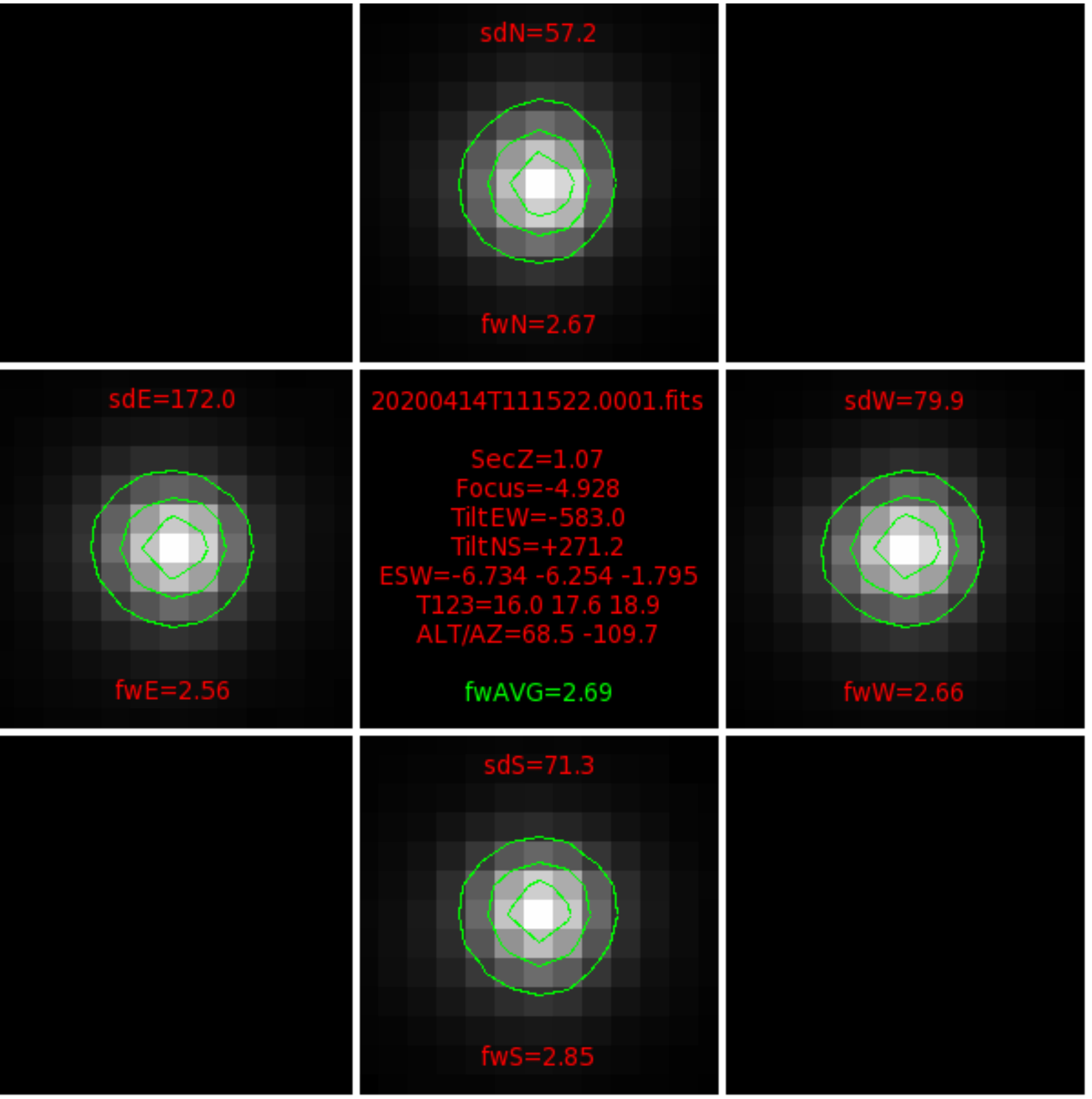
sdN=57.2
fwN=2.67
sdE=172.0
fwE=2.56
20200414T111522.0001.fits
SecZ=1.07
Focus=-4.928
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.734 -6.254 -1.795
T123=16.0 17.6 18.9
ALT/AZ=68.5 -109.7
fwAVG=2.69
sdW=79.9
fwW=2.66
sdS=71.3
fwS=2.85
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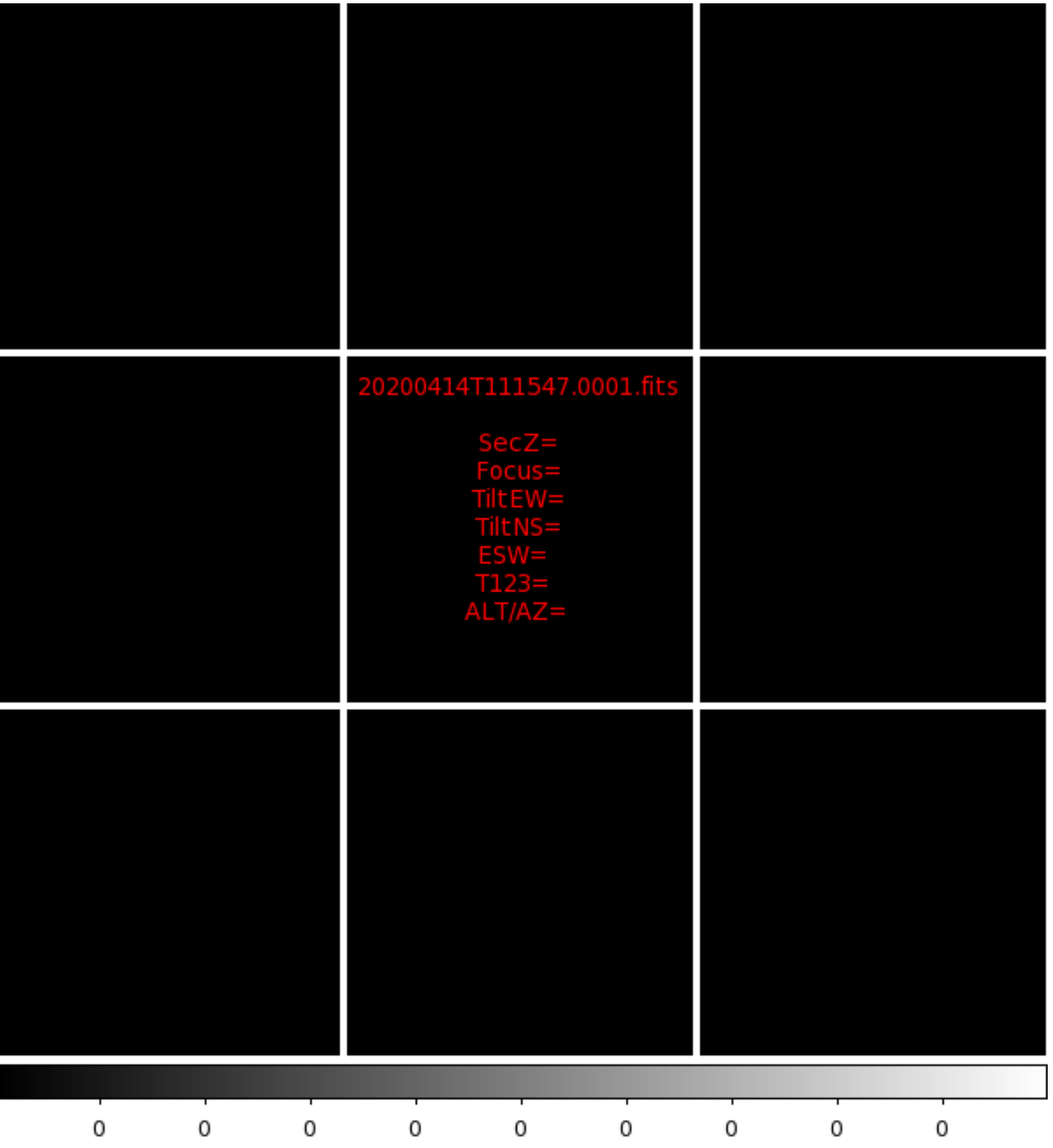
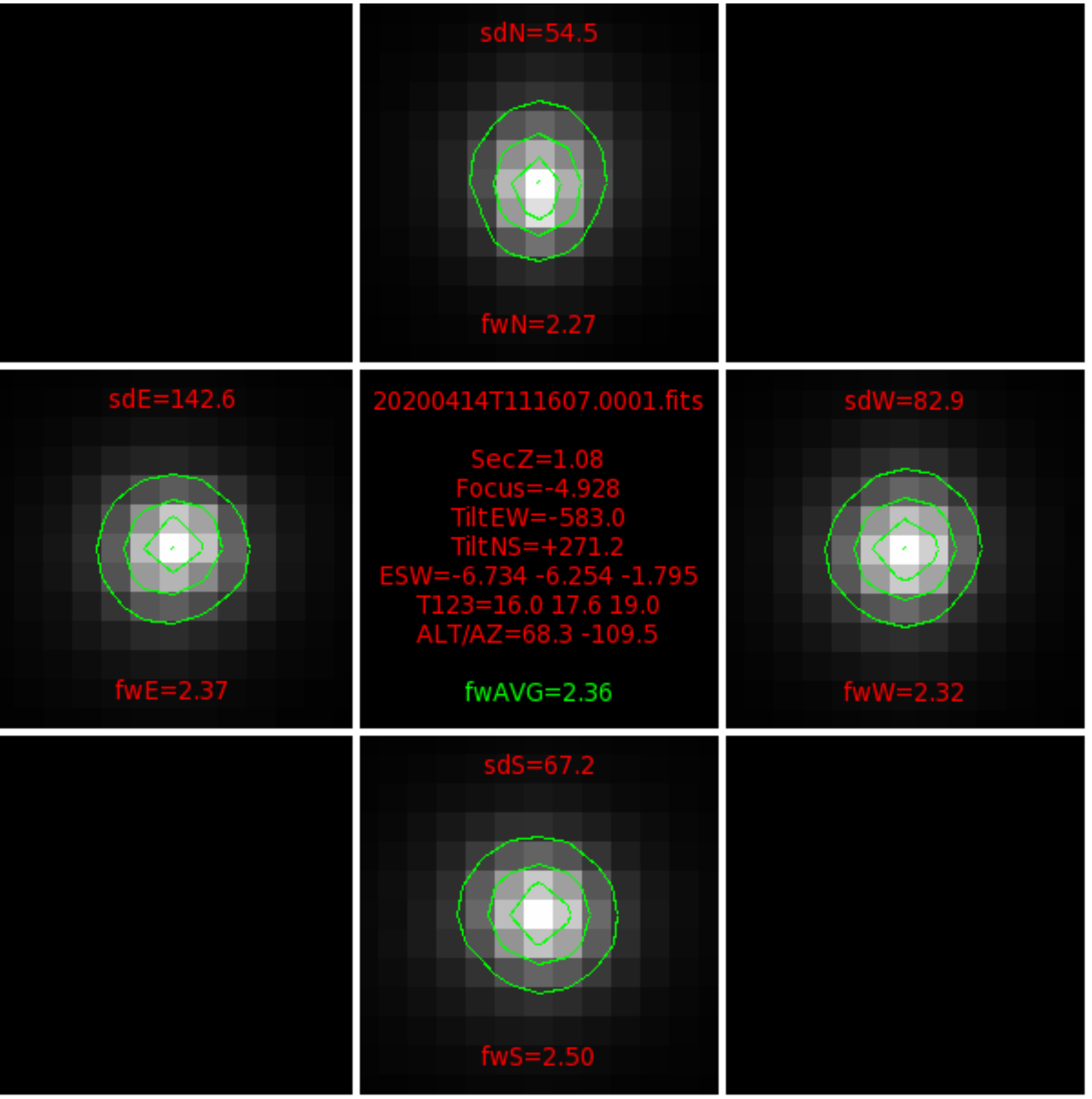
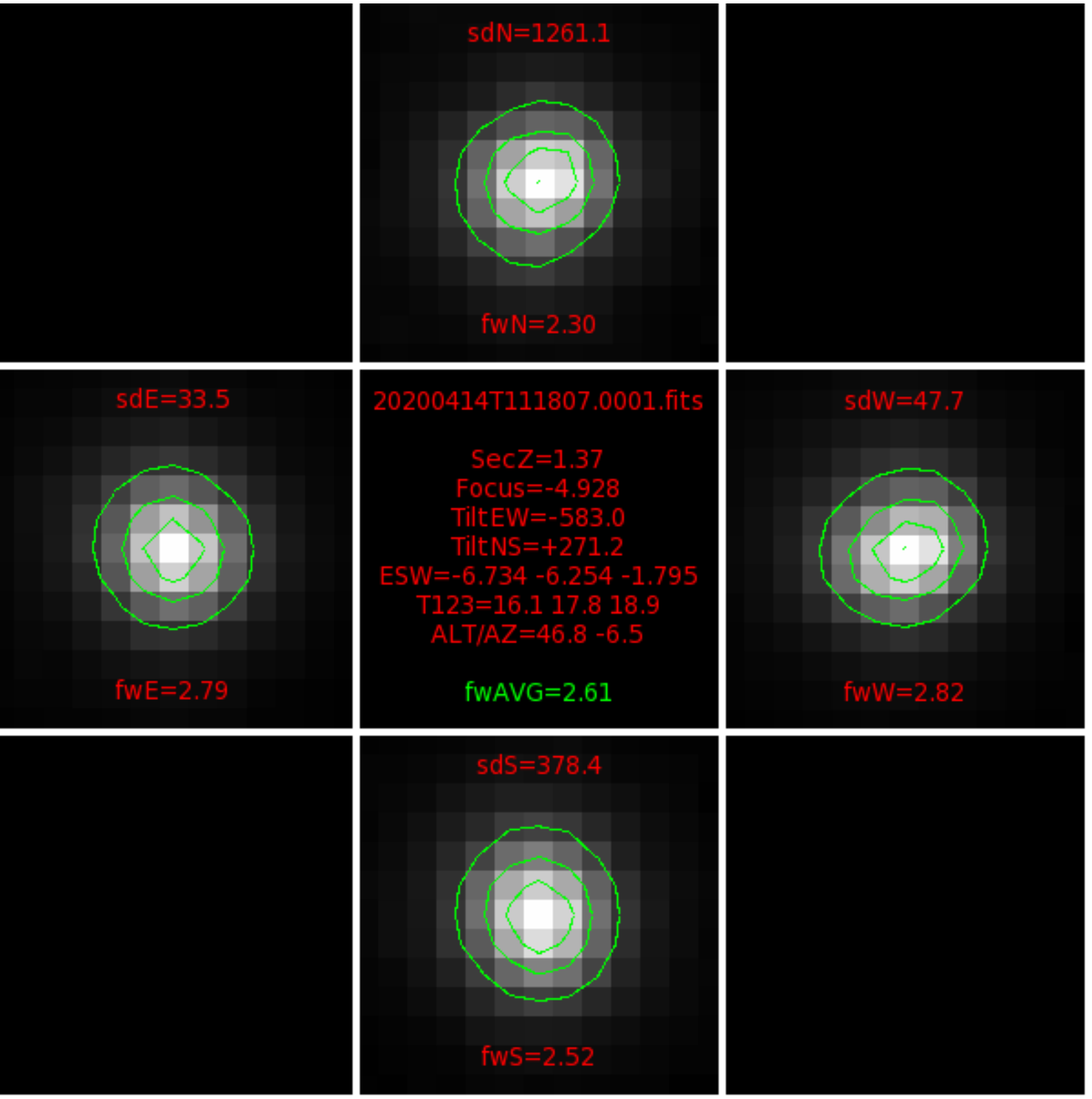

20200414T111547.0001.fits
SecZ=
Focus=
TiltEW=
TiltNS=
ESW=
T123=
ALT/AZ=
0
0
0
0
0
0
0
0
0


sdN=54.5
fwN=2.27
sdE=142.6
fwE=2.37
20200414T111607.0001.fits
SecZ=1.08
Focus=-4.928
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.734 -6.254 -1.795
T123=16.0 17.6 19.0
ALT/AZ=68.3 -109.5
fwAVG=2.36
sdW=82.9
fwW=2.32
sdS=67.2
fwS=2.50
0 0 0 0 0 0 0 0 0


sdN=1261.1
fwN=2.30
sdE=33.5
fwE=2.79
20200414T111807.0001.fits
SecZ=1.37
Focus=-4.928
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.734 -6.254 -1.795
T123=16.1 17.8 18.9
ALT/AZ=46.8 -6.5
fwAVG=2.61
sdW=47.7
fwW=2.82
sdS=378.4
fwS=2.52
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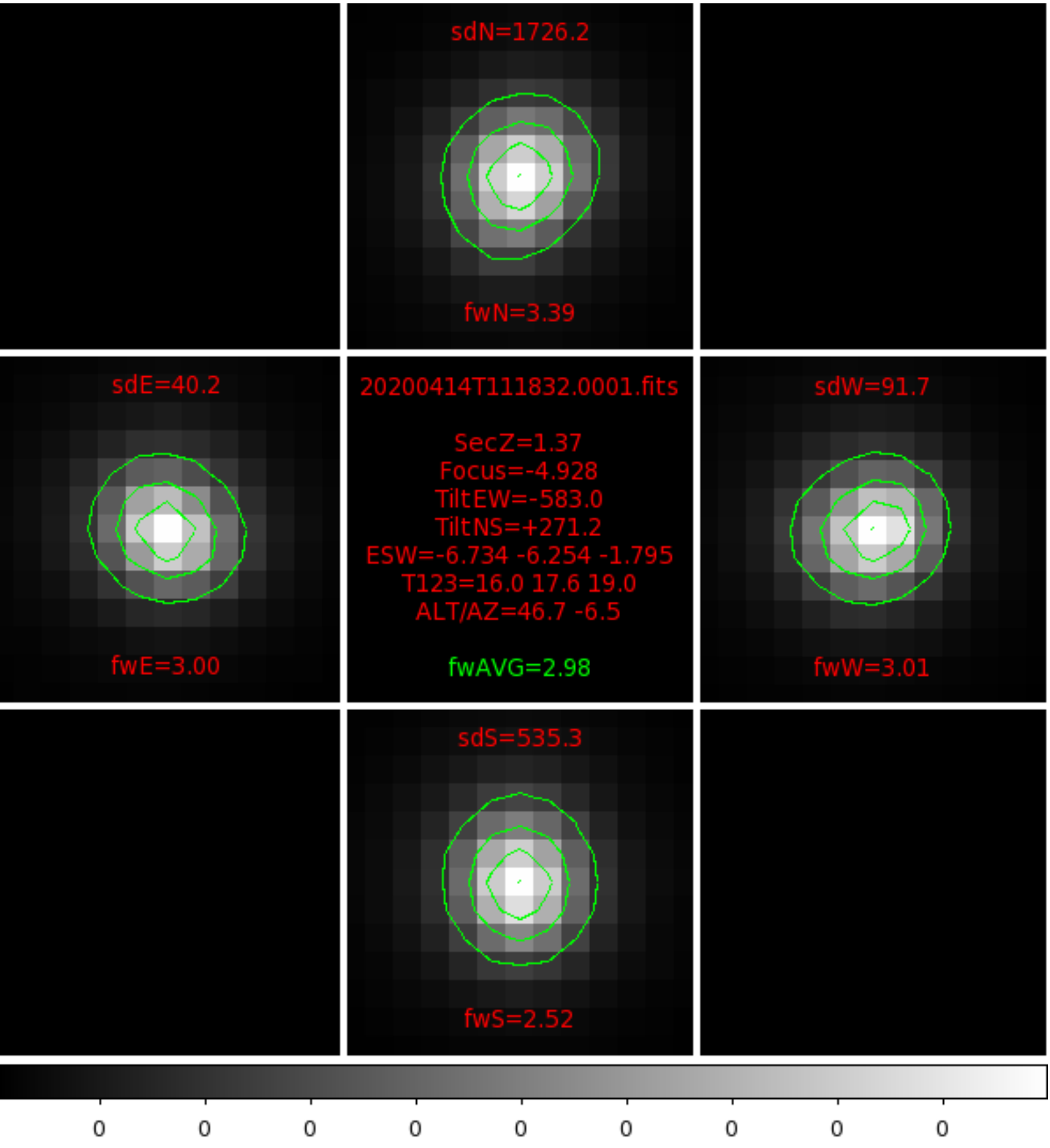
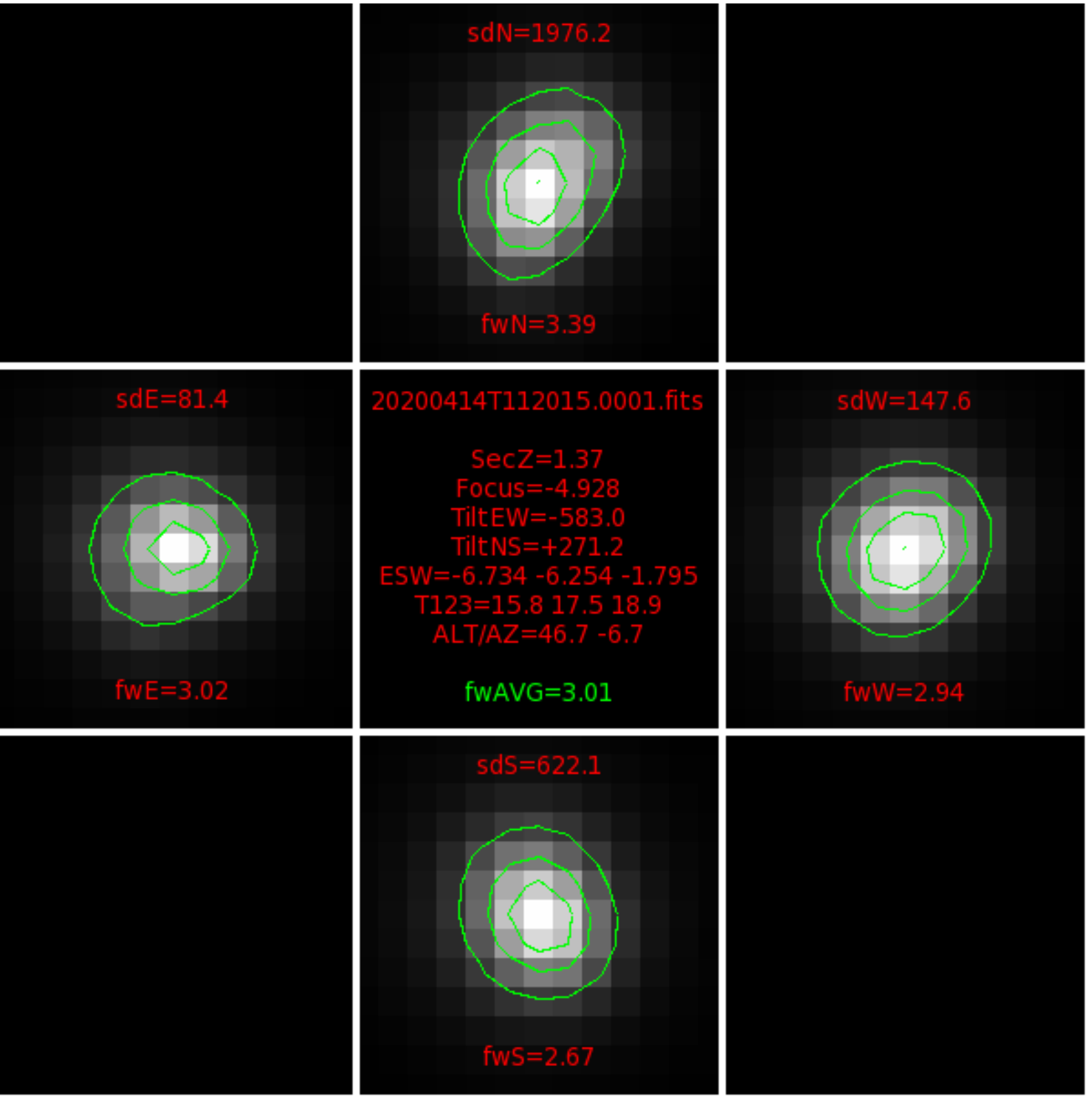

sdN=1726.2
fwN=3.39
sdE=40.2
fwE=3.00
20200414T111832.0001.fits
SecZ=1.37
Focus=-4.928
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.734 -6.254 -1.795
T123=16.0 17.6 19.0
ALT/AZ=46.7 -6.5
fwAVG=2.98
sdW=91.7
fwW=3.01
sdS=535.3
fwS=2.52
0 0 0 0 0 0 0 0 0


sdN=1976.2
fwN=3.39
sdE=81.4
fwE=3.02
20200414T112015.0001.fits
SecZ=1.37
Focus=-4.928
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.734 -6.254 -1.795
T123=15.8 17.5 18.9
ALT/AZ=46.7 -6.7
fwAVG=3.01
sdW=147.6
fwW=2.94
sdS=622.1
fwS=2.67
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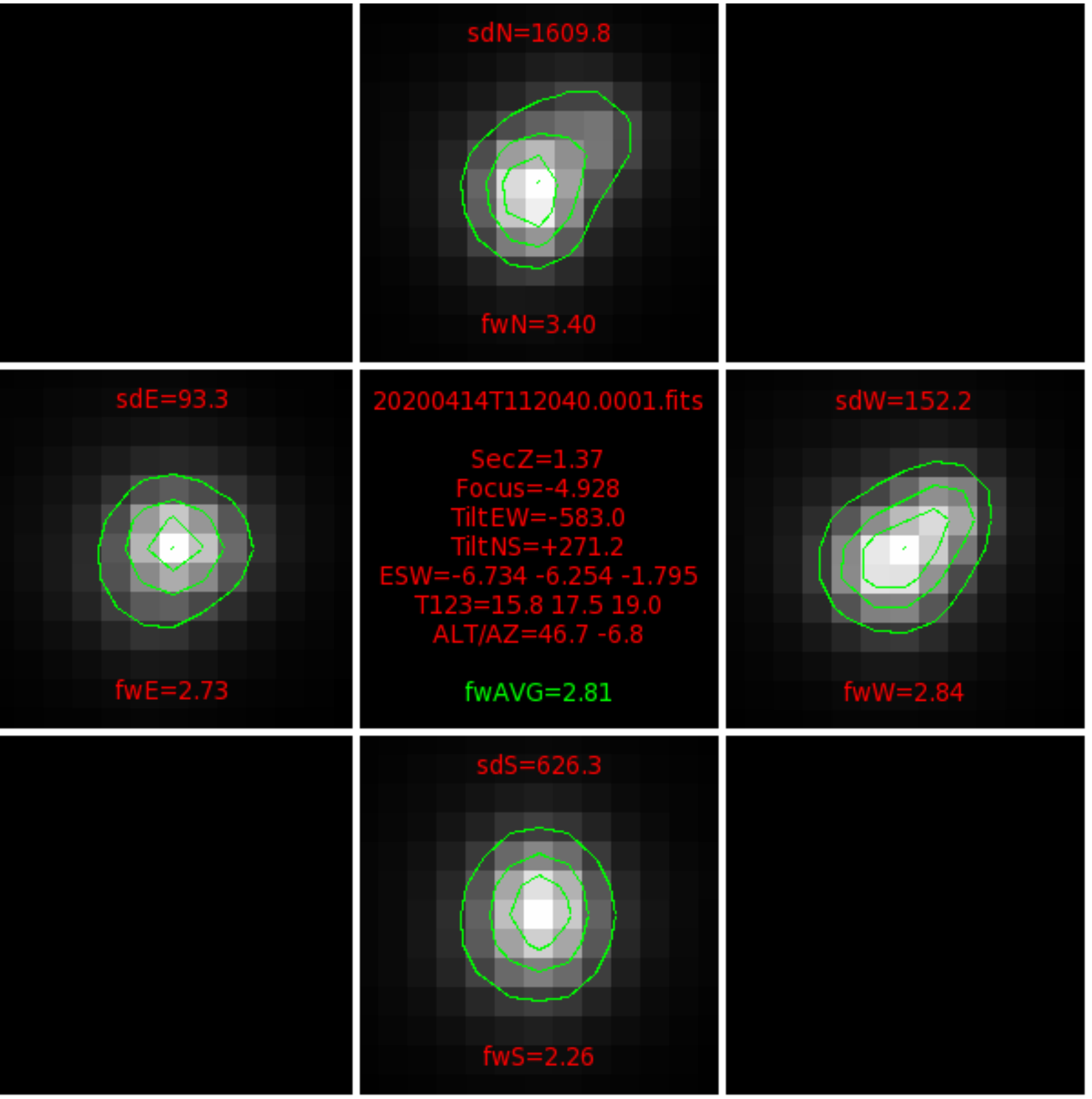
sdN=1609.8
fwN=3.40
sdE=93.3
fwE=2.73
20200414T112040.0001.fits
SecZ=1.37
Focus=-4.928
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.734 -6.254 -1.795
T123=15.8 17.5 19.0
ALT/AZ=46.7 -6.8
fwAVG=2.81
sdW=152.2
fwW=2.84
sdS=626.3
fwS=2.26
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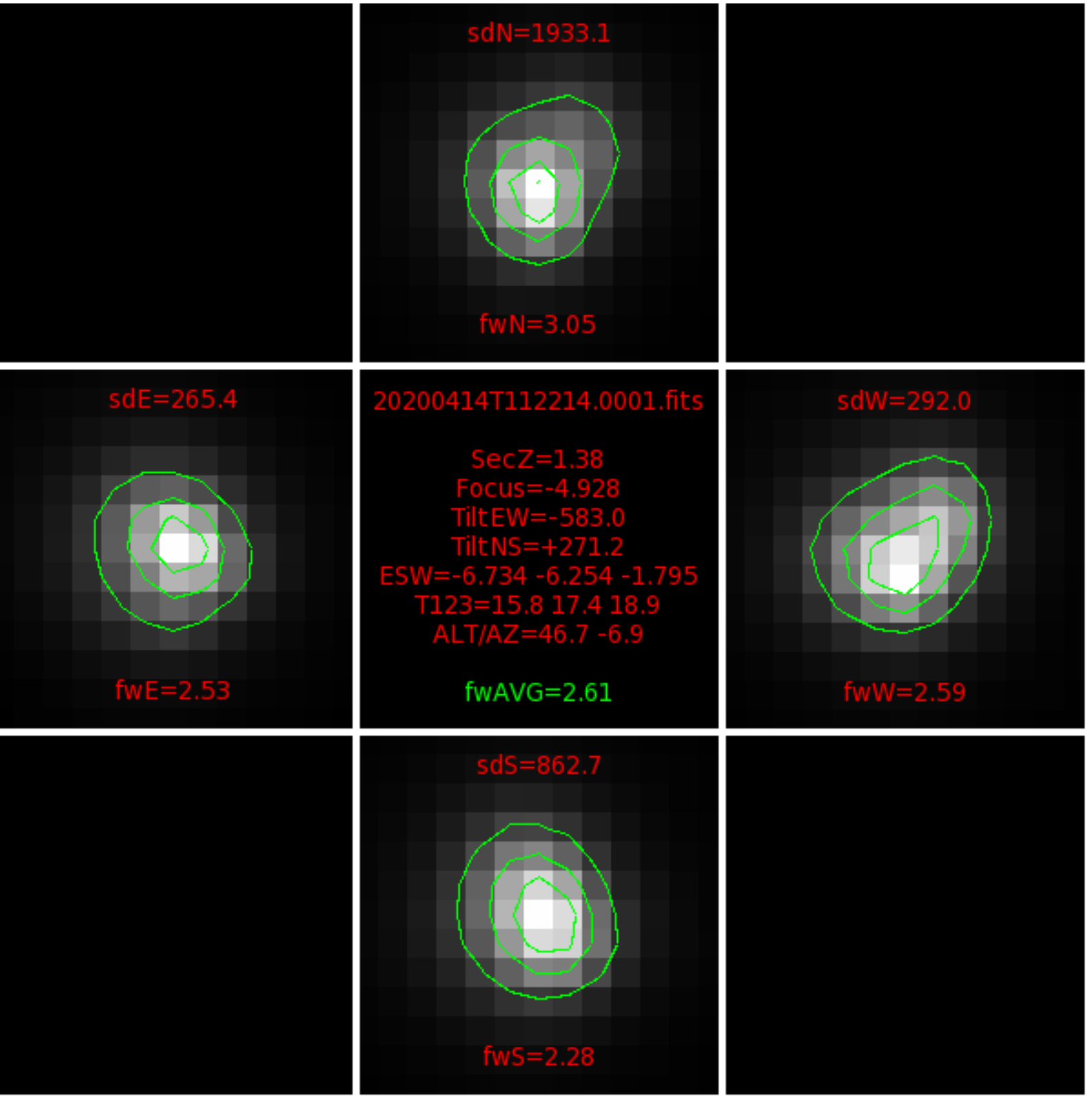
sdN=1933.1
fwN=3.05
sdE=265.4
fwE=2.53
20200414T112214.0001.fits
SecZ=1.38
Focus=-4.928
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.734 -6.254 -1.795
T123=15.8 17.4 18.9
ALT/AZ=46.7 -6.9
fwAVG=2.61
sdW=292.0
fwW=2.59
sdS=862.7
fwS=2.28
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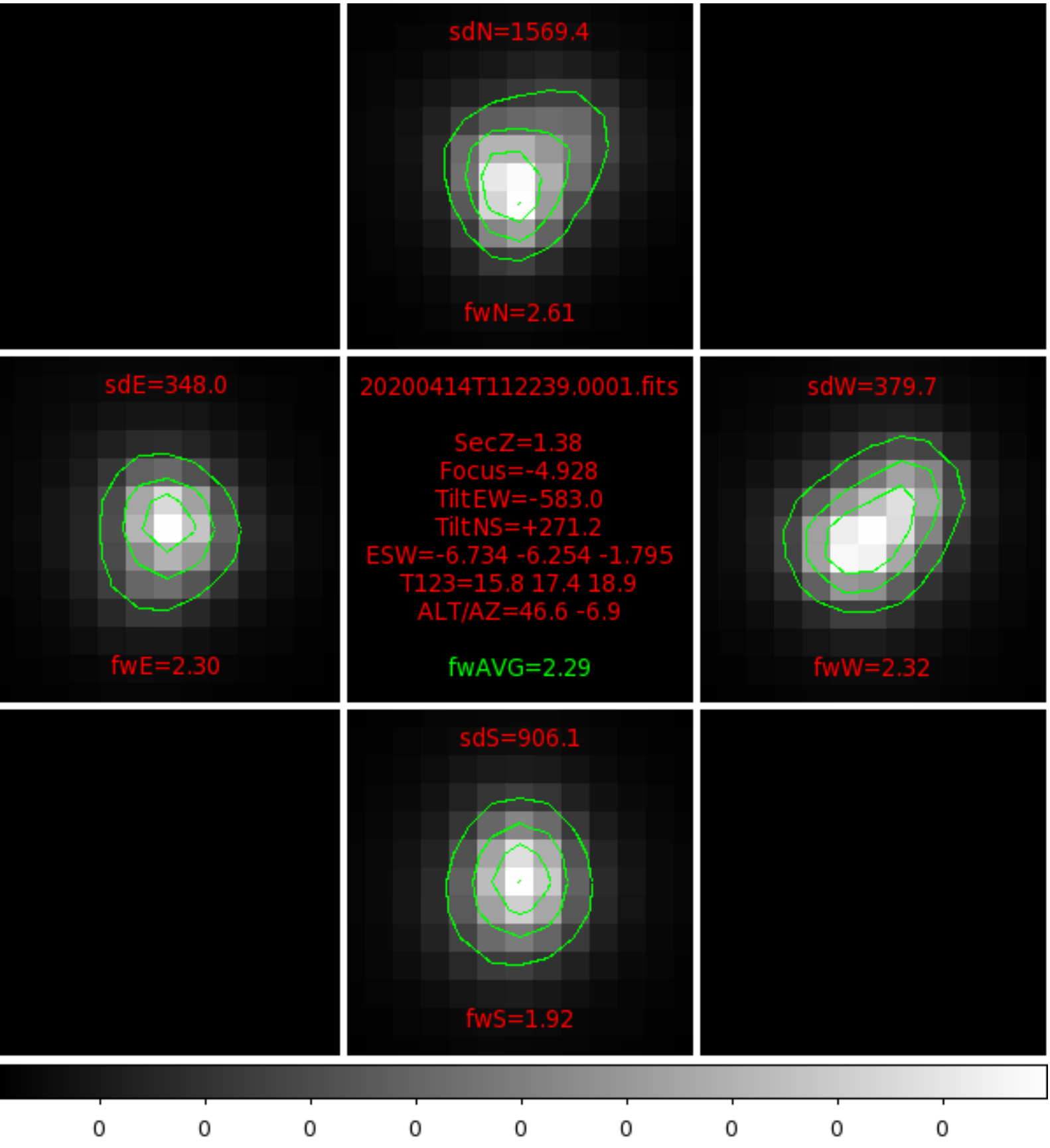
sdN=1569.4
fwN=2.61
sdE=348.0
fwE=2.30
20200414T112239.0001.fits
SecZ=1.38
Focus=-4.928
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.734 -6.254 -1.795
T123=15.8 17.4 18.9
ALT/AZ=46.6 -6.9
fwAVG=2.29
sdW=379.7
fwW=2.32
sdS=906.1
fwS=1.92
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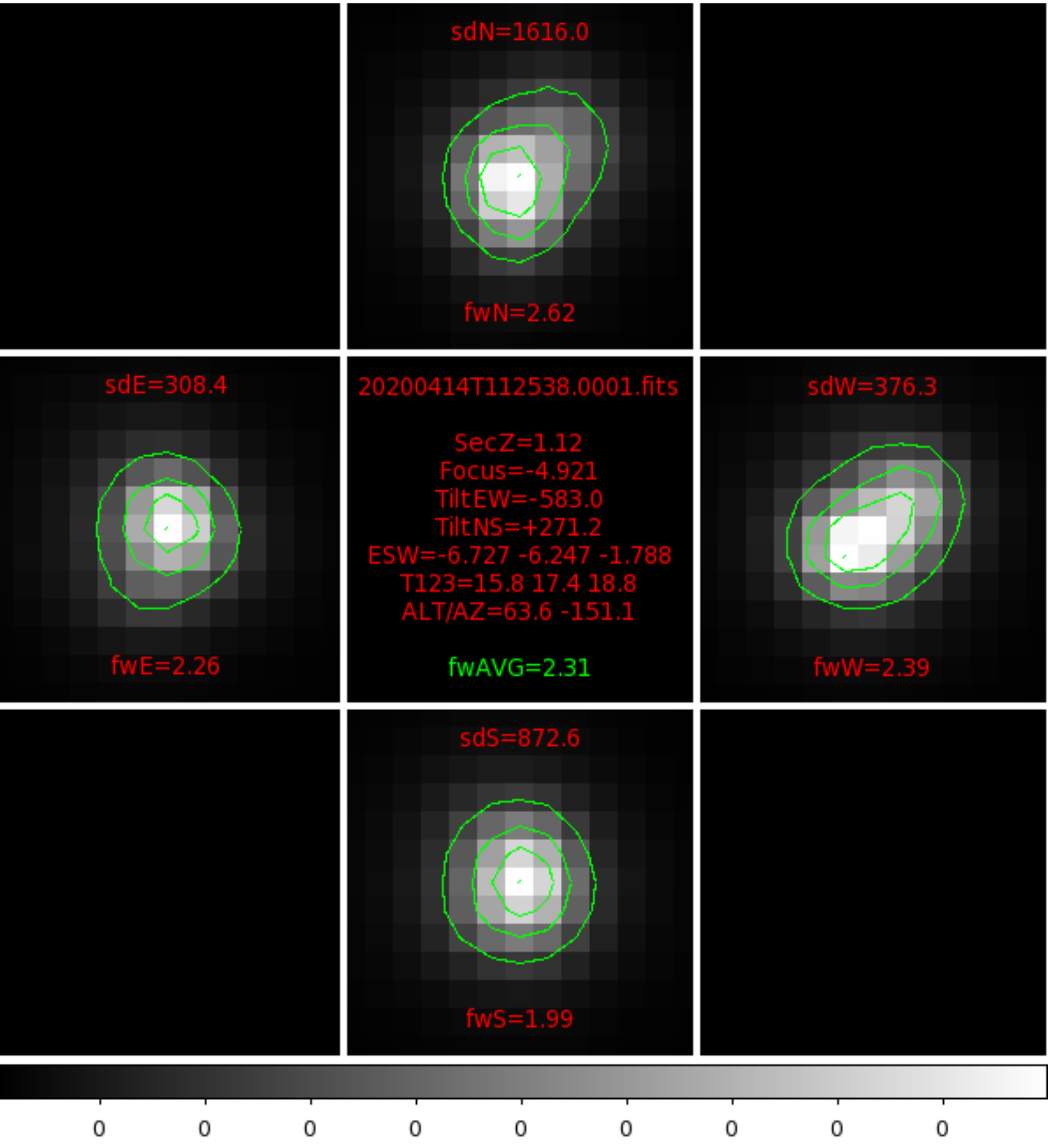
sdN=1616.0
fwN=2.62
sdE=308.4
fwE=2.26
20200414T112538.0001.fits
SecZ=1.12
Focus=-4.921
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.727 -6.247 -1.788
T123=15.8 17.4 18.8
ALT/AZ=63.6 -151.1
fwAVG=2.31
sdW=376.3
fwW=2.39
sdS=872.6
fwS=1.99
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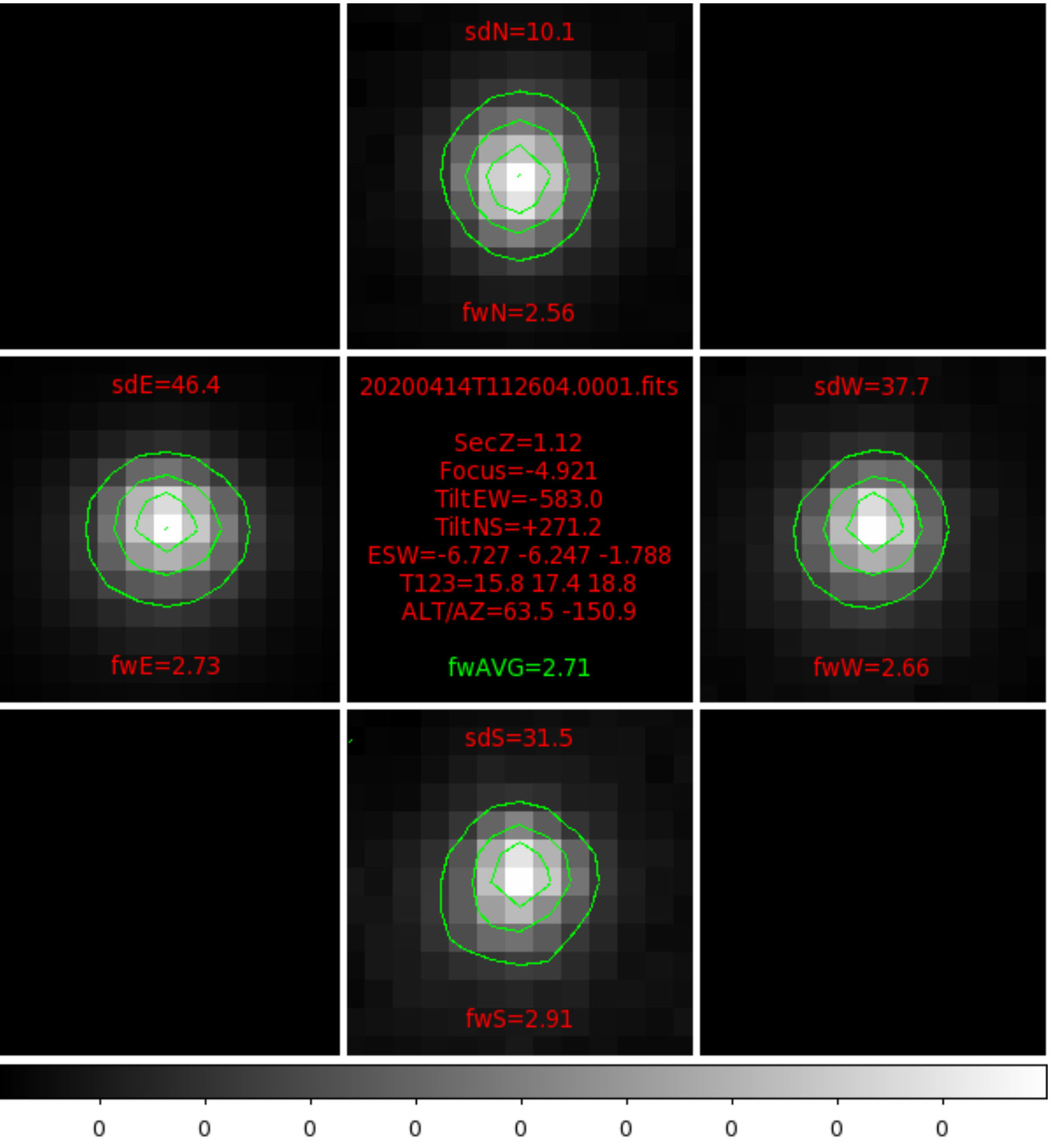
sdN=10.1
fwN=2.56
sdE=46.4
fwE=2.73
20200414T112604.0001.fits
SecZ=1.12
Focus=-4.921
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.727 -6.247 -1.788
T123=15.8 17.4 18.8
ALT/AZ=63.5 -150.9
fwAVG=2.71
sdW=37.7
fwW=2.66
sdS=31.5
fwS=2.91
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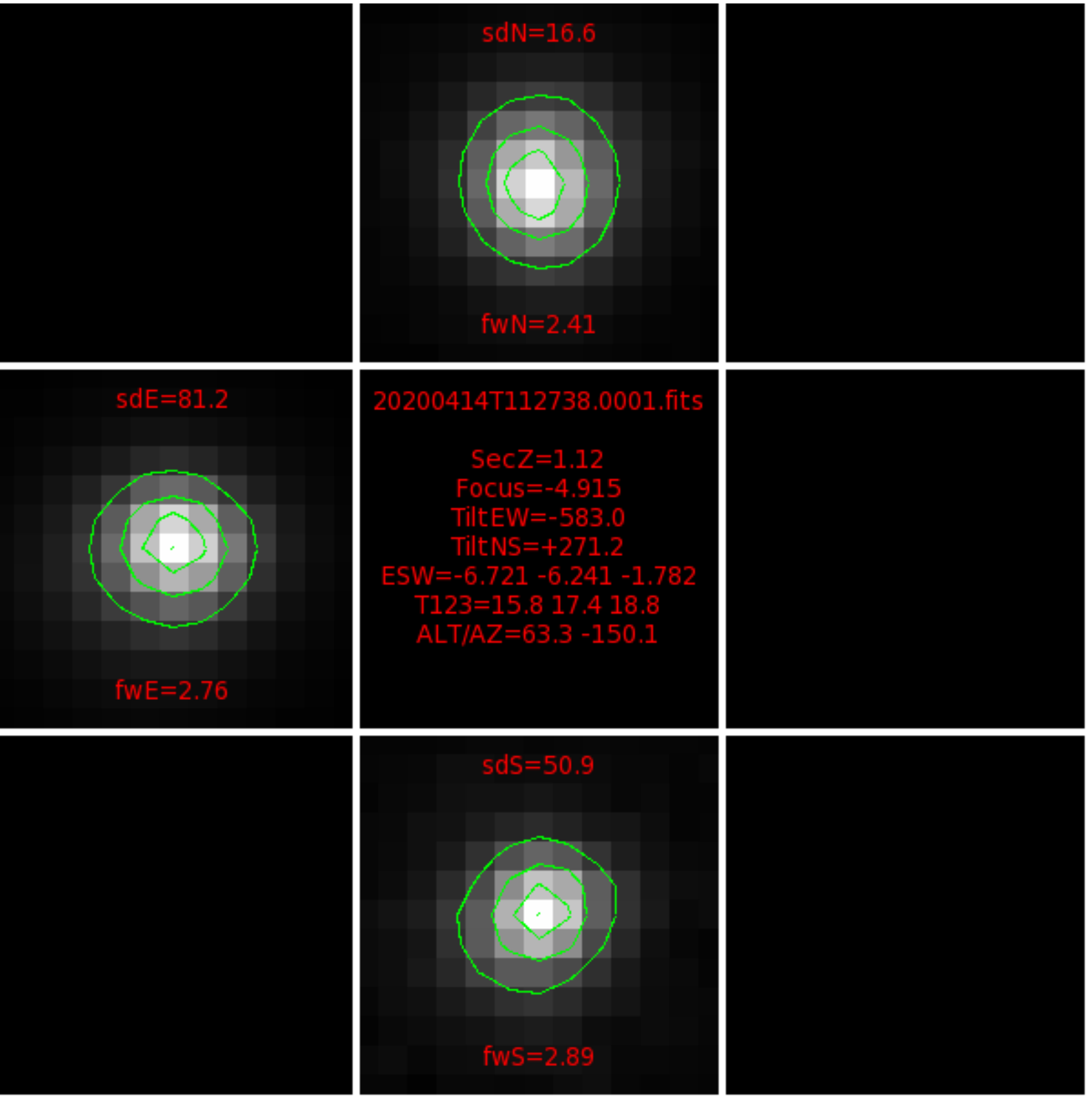
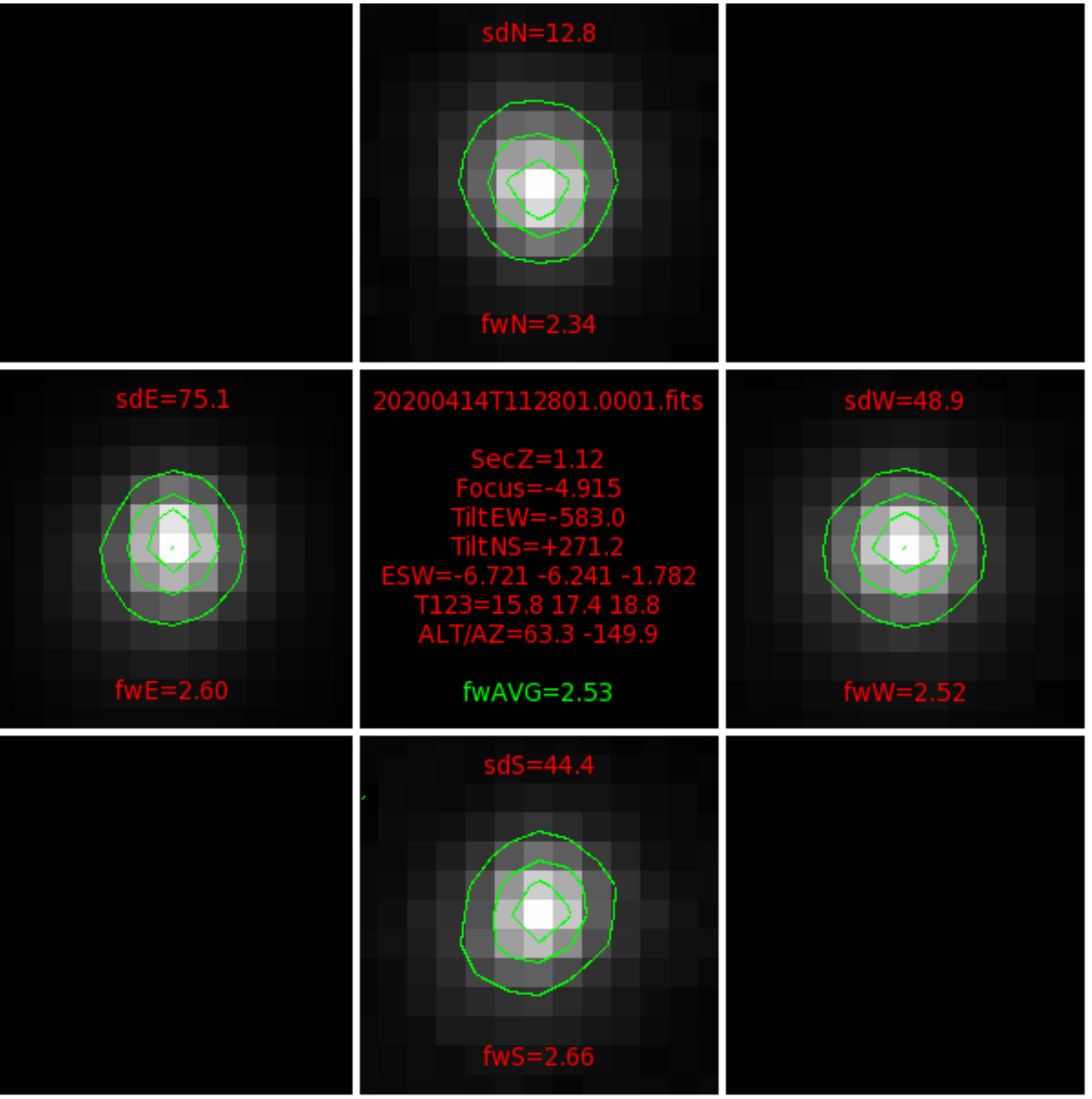

sdN=16.6
fwN=2.41
sdE=81.2
fwE=2.76
20200414T112738.0001.fits
SecZ=1.12
Focus=-4.915
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.721 -6.241 -1.782
T123=15.8 17.4 18.8
ALT/AZ=63.3 -150.1
sdS=50.9
fwS=2.89
0 0 0 0 0 0 0 0 0


sdN=12.8
fwN=2.34
sdE=75.1
fwE=2.60
20200414T112801.0001.fits
SecZ=1.12
Focus=-4.915
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.721 -6.241 -1.782
T123=15.8 17.4 18.8
ALT/AZ=63.3 -149.9
fwAVG=2.53
sdW=48.9
fwW=2.52
sdS=44.4
fwS=2.66
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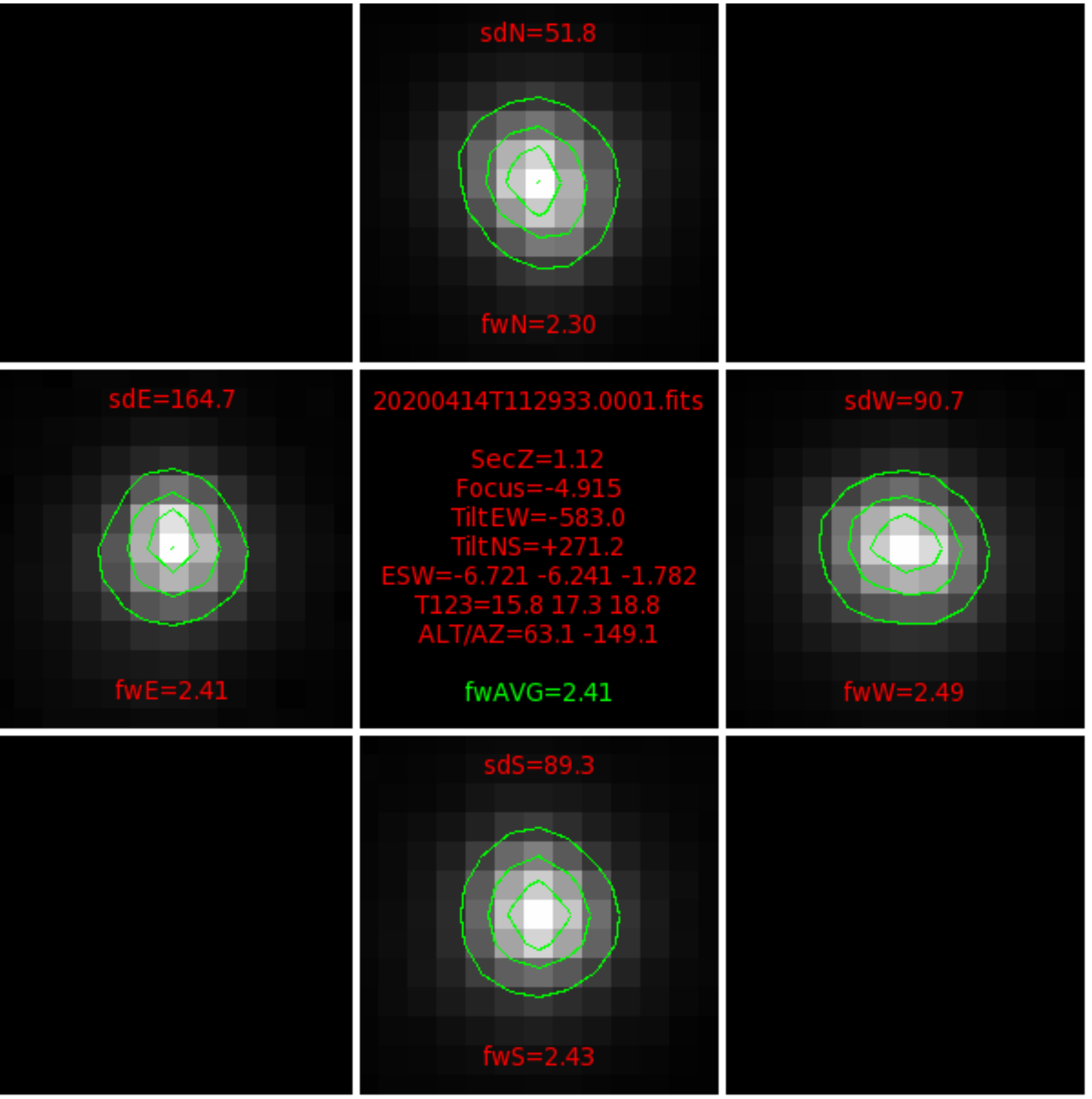
sdN=51.8
fwN=2.30
sdE=164.7
fwE=2.41
20200414T112933.0001.fits
SecZ=1.12
Focus=-4.915
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.721 -6.241 -1.782
T123=15.8 17.3 18.8
ALT/AZ=63.1 -149.1
fwAVG=2.41
sdW=90.7
fwW=2.49
sdS=89.3
fwS=2.43
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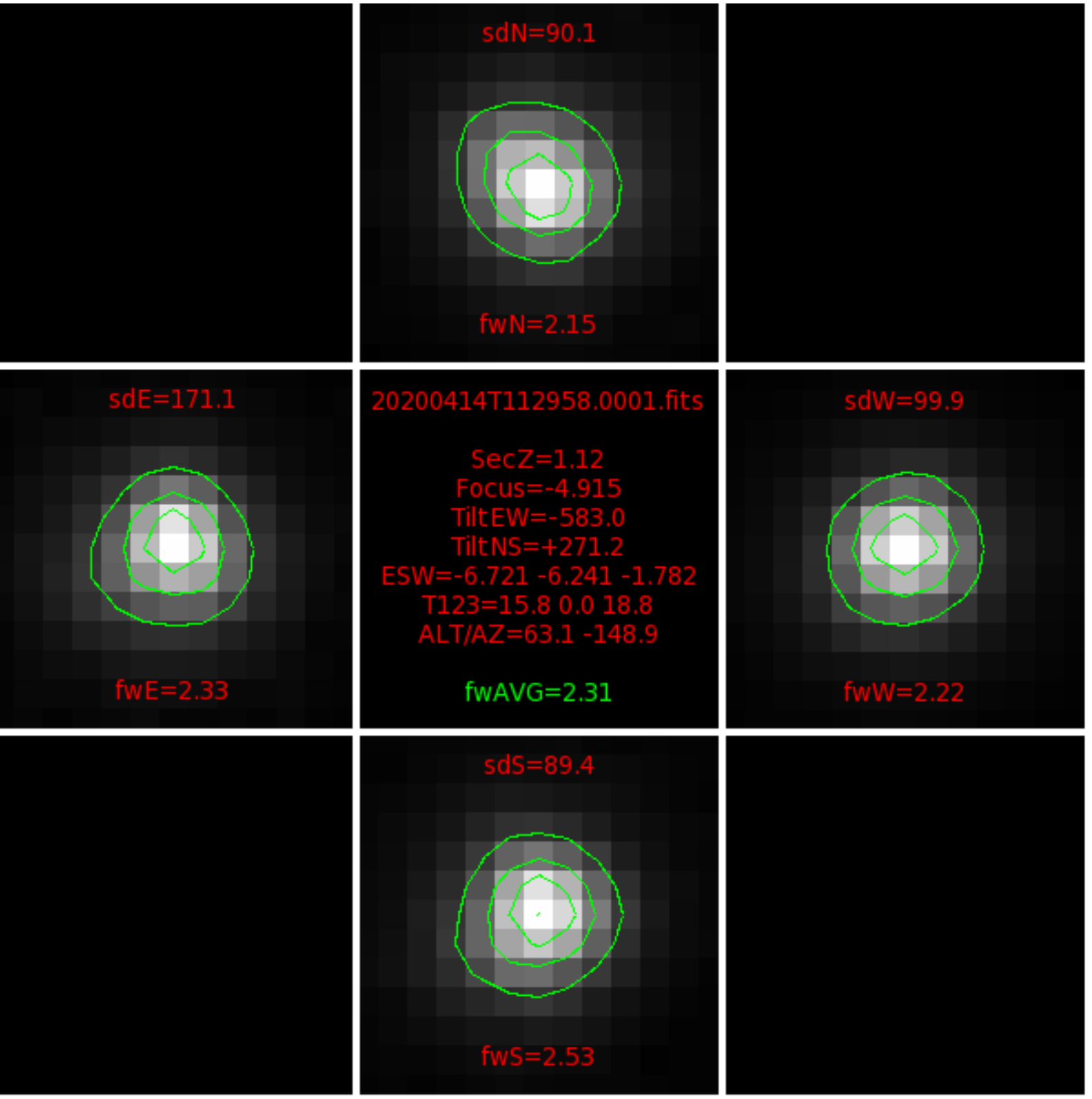
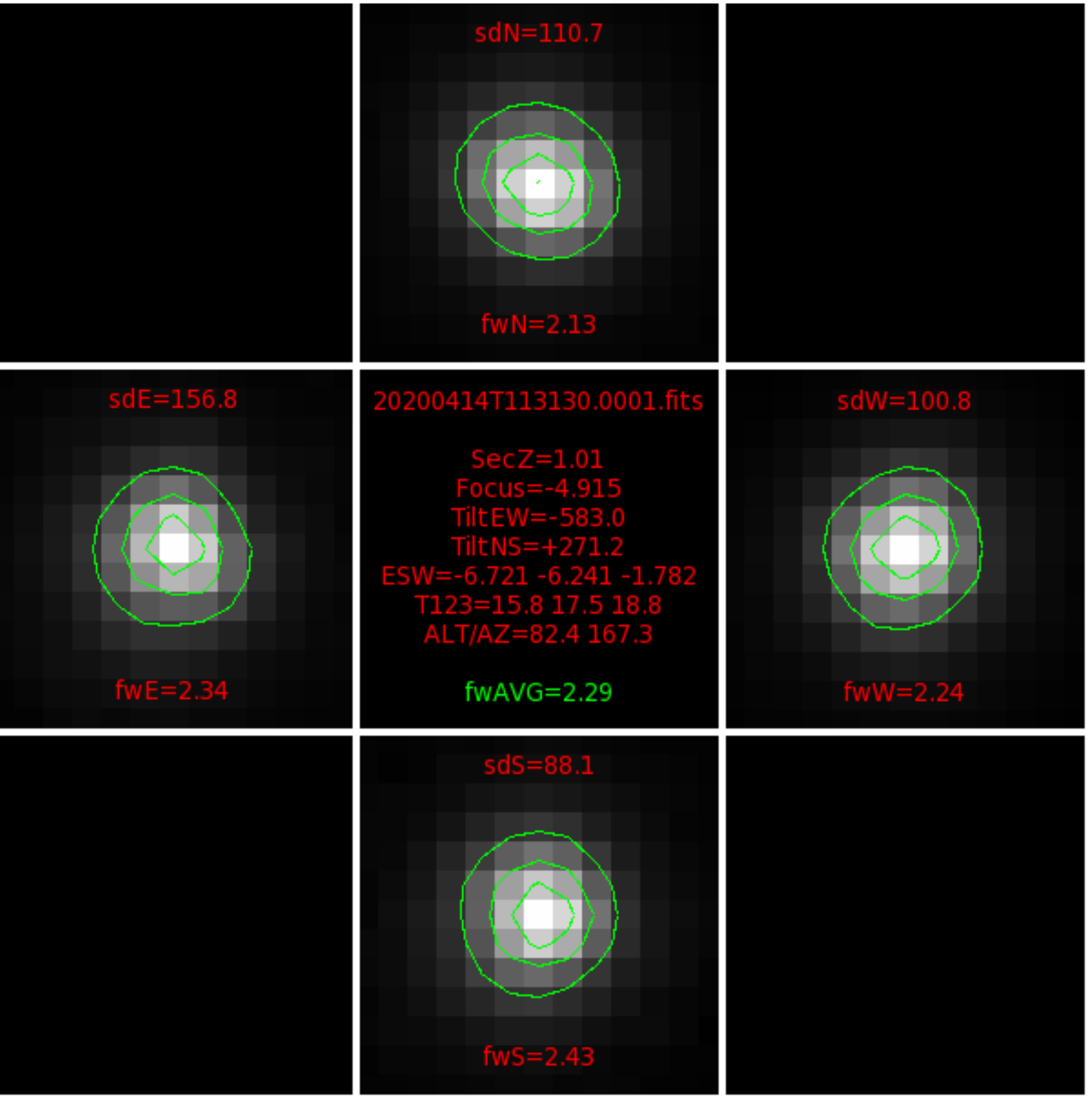

sdN=90.1
fwN=2.15
sdE=171.1
fwE=2.33
20200414T112958.0001.fits
SecZ=1.12
Focus=-4.915
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.721 -6.241 -1.782
T123=15.8 0.0 18.8
ALT/AZ=63.1 -148.9
fwAVG=2.31
sdW=99.9
fwW=2.22
sdS=89.4
fwS=2.53
0 0 0 0 0 0 0 0 0


sdN=110.7
fwN=2.13
sdE=156.8
fwE=2.34
20200414T113130.0001.fits
SecZ=1.01
Focus=-4.915
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.721 -6.241 -1.782
T123=15.8 17.5 18.8
ALT/AZ=82.4 167.3
fwAVG=2.29
sdW=100.8
fwW=2.24
sdS=88.1
fwS=2.43
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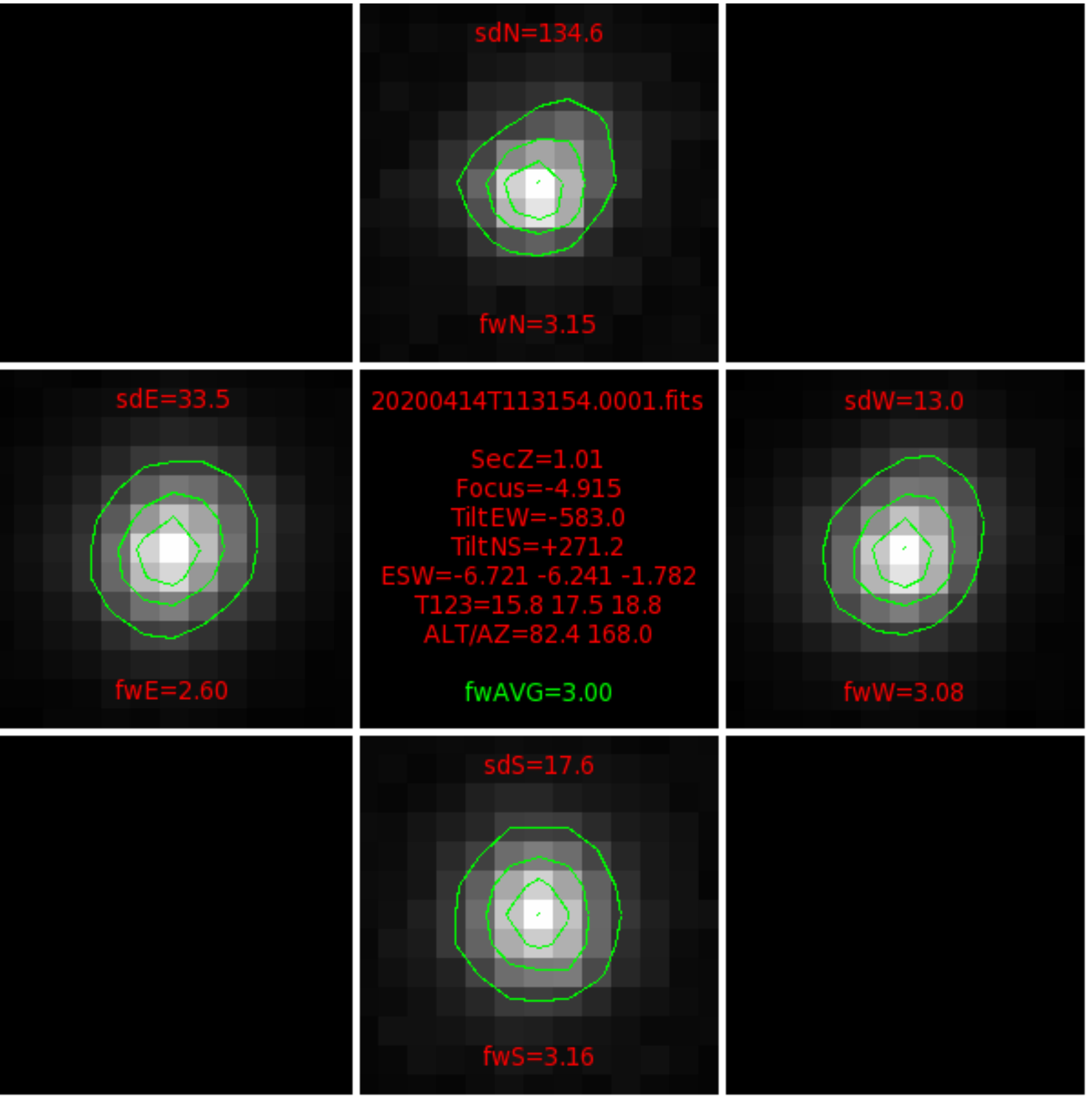
sdN=134.6
fwN=3.15
sdE=33.5
fwE=2.60
20200414T113154.0001.fits
SecZ=1.01
Focus=-4.915
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.721 -6.241 -1.782
T123=15.8 17.5 18.8
ALT/AZ=82.4 168.0
fwAVG=3.00
sdW=13.0
fwW=3.08
sdS=17.6
fwS=3.16
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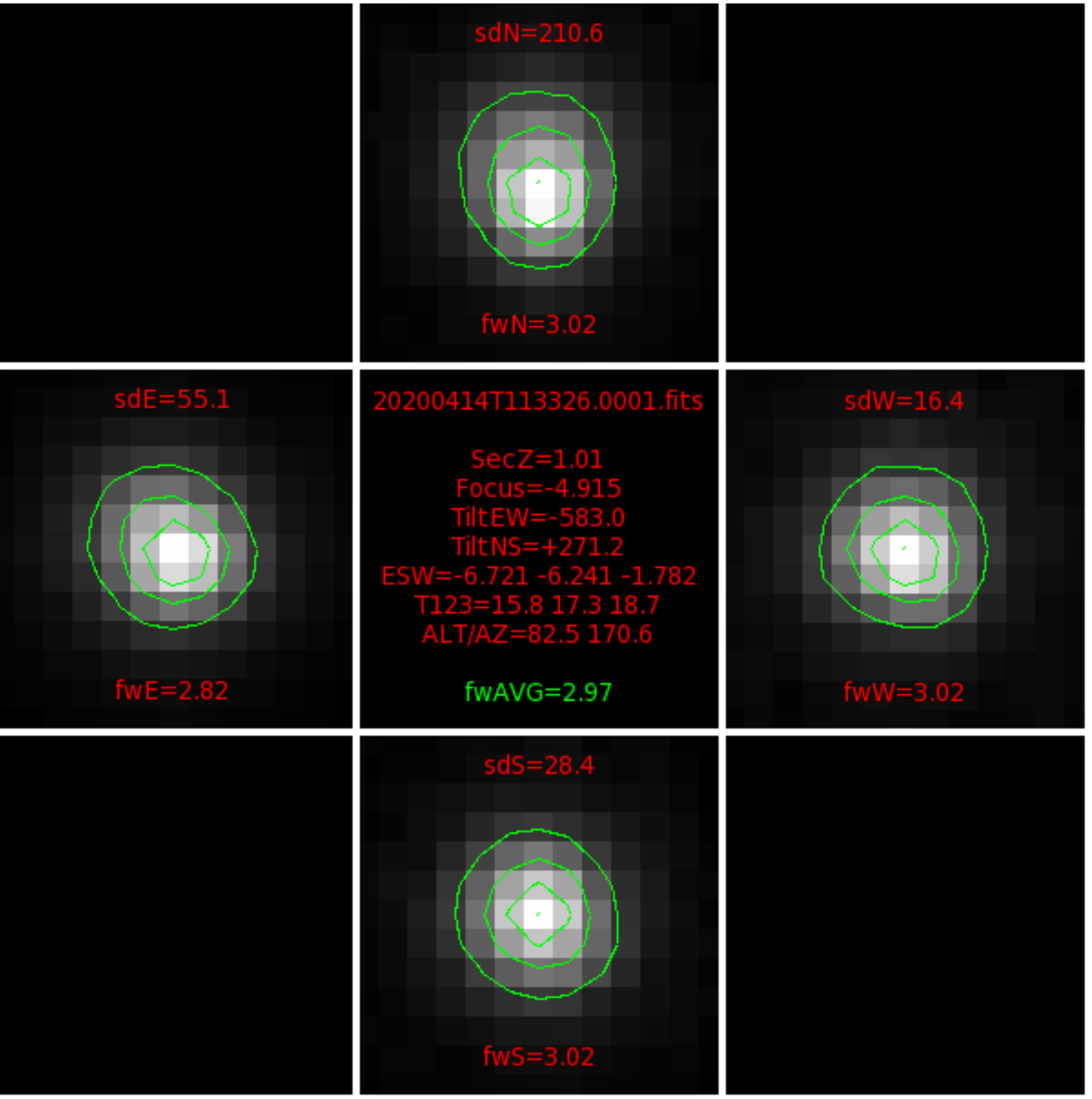
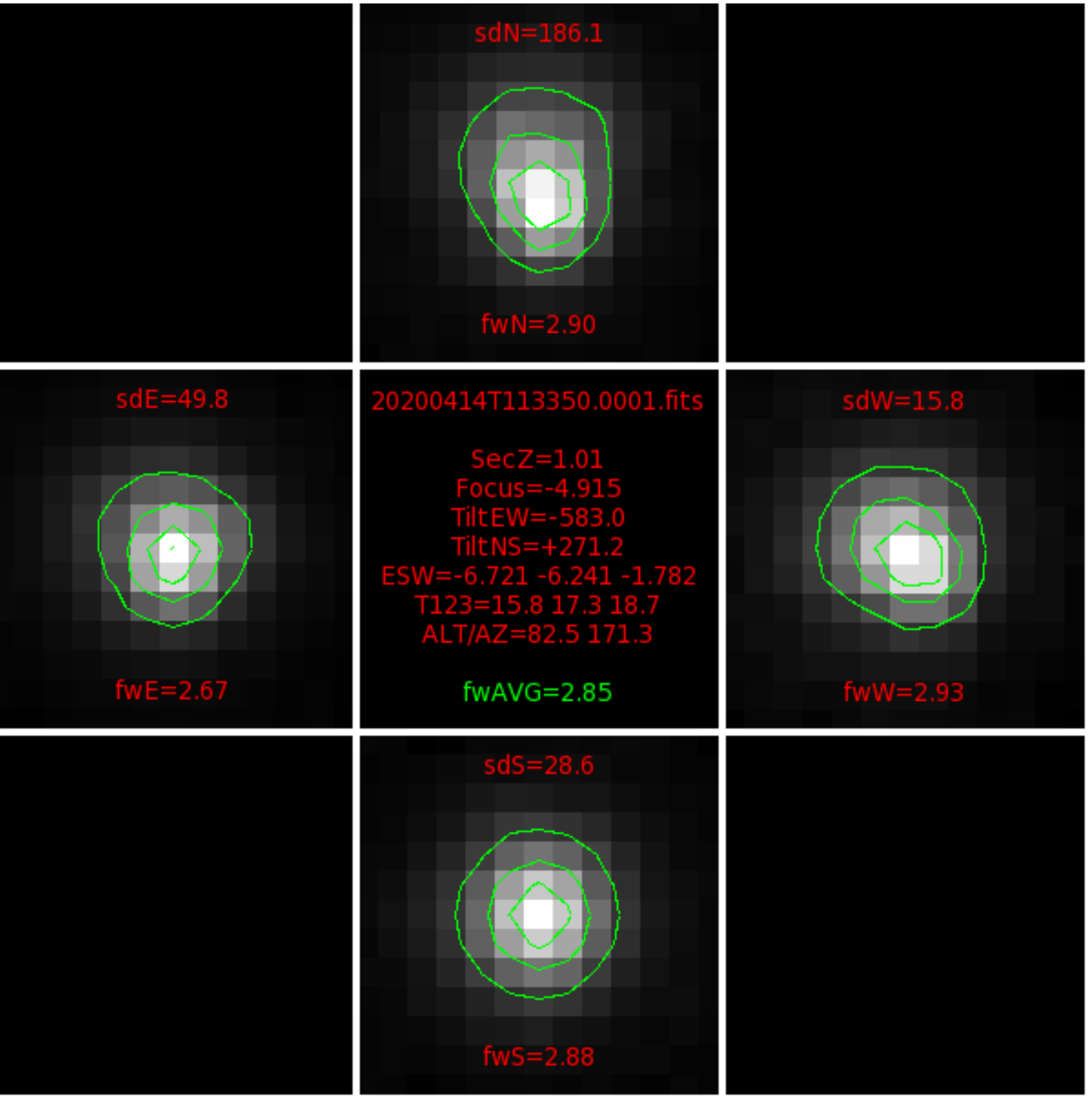
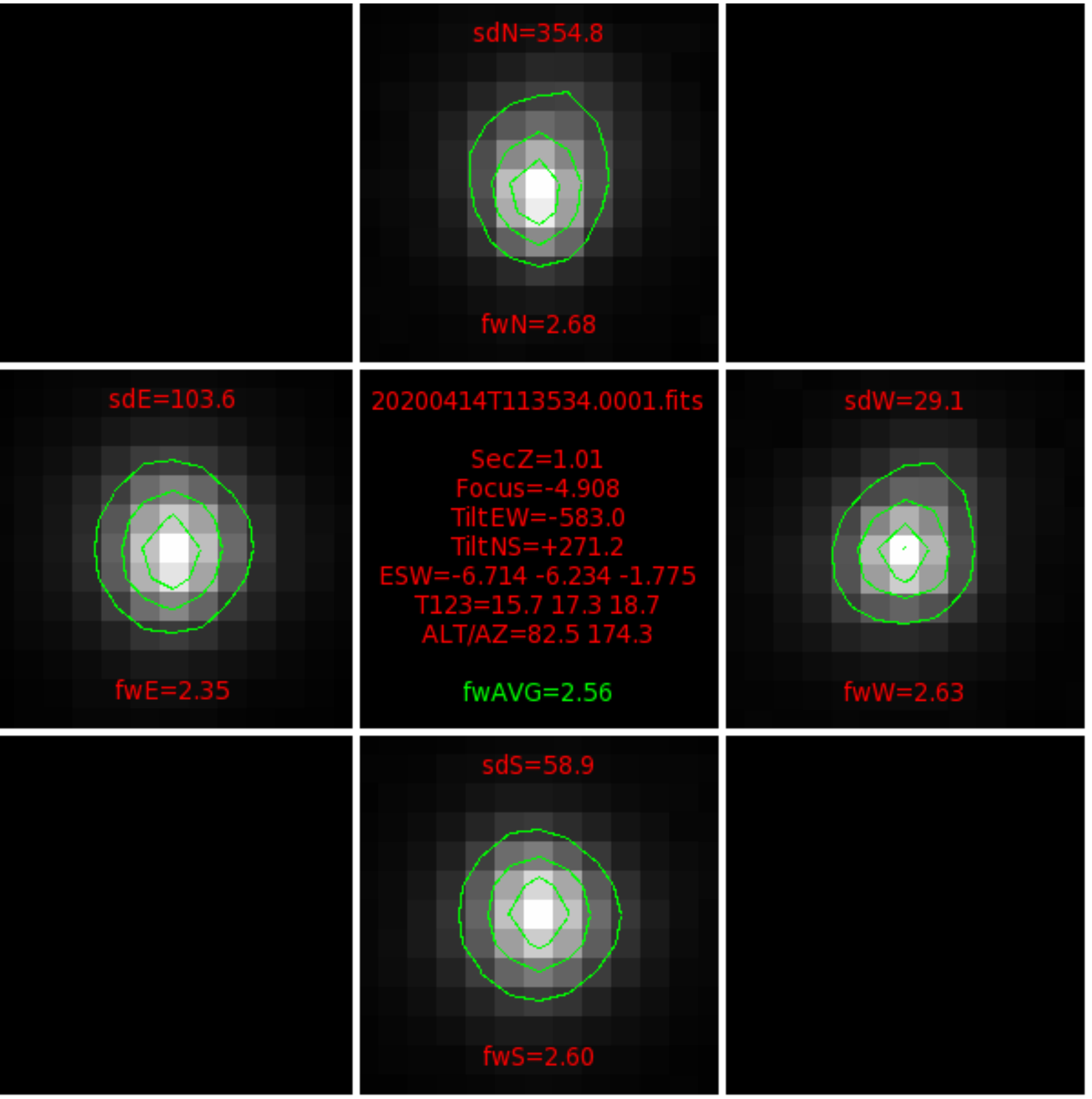
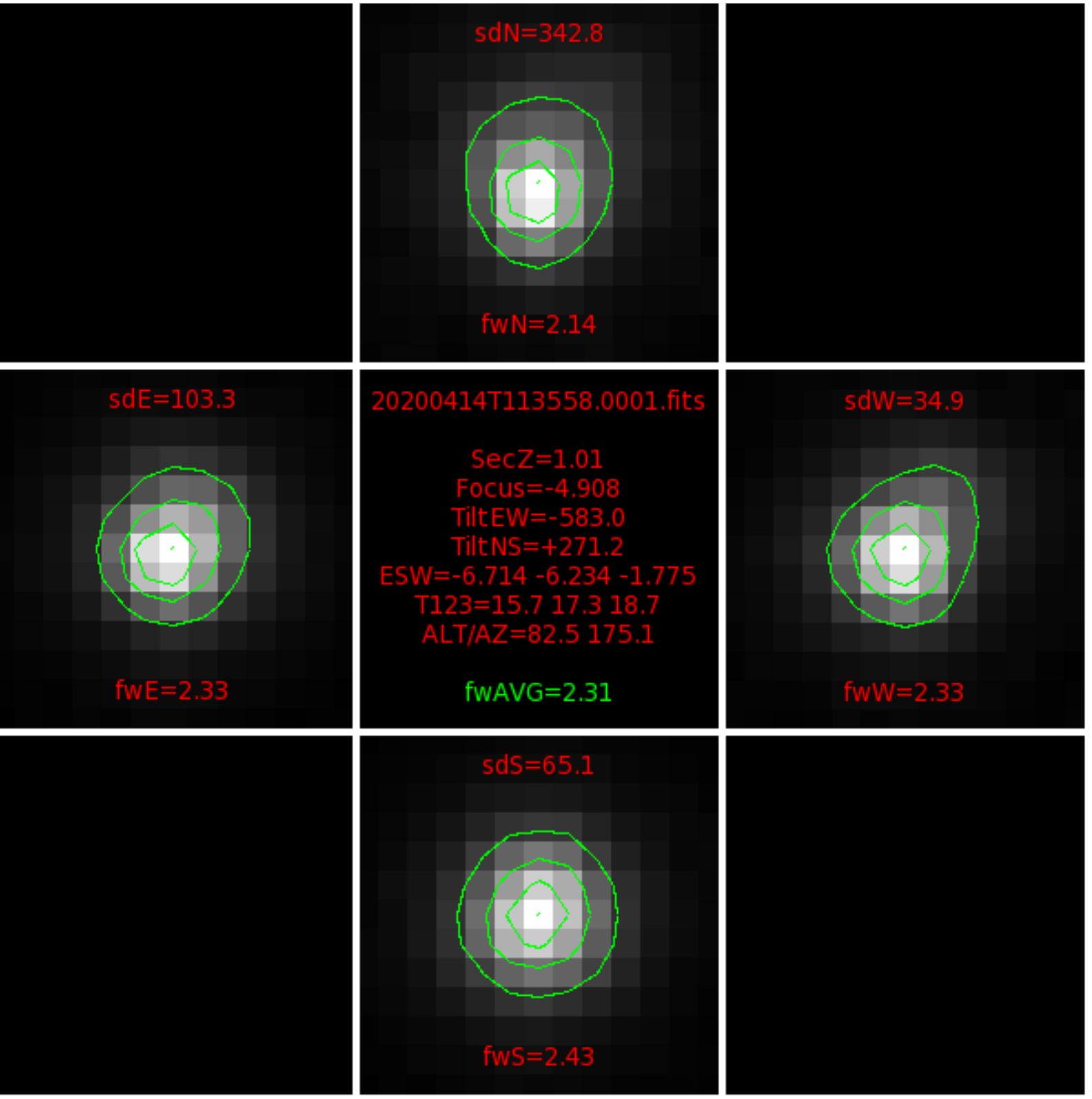

sdN=210.6
fwN=3.02
sdE=55.1
fwE=2.82
20200414T113326.0001.fits
SecZ=1.01
Focus=-4.915
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.721 -6.241 -1.782
T123=15.8 17.3 18.7
ALT/AZ=82.5 170.6
fwAVG=2.97
sdW=16.4
fwW=3.02
sdS=28.4
fwS=3.02
0 0 0 0 0 0 0 0 0


sdN=186.1
fwN=2.90
sdE=49.8
fwE=2.67
20200414T113350.0001.fits
SecZ=1.01
Focus=-4.915
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.721 -6.241 -1.782
T123=15.8 17.3 18.7
ALT/AZ=82.5 171.3
fwAVG=2.85
sdW=15.8
fwW=2.93
sdS=28.6
fwS=2.88
0 0 0 0 0 0 0 0 0


sdN=354.8
fwN=2.68
sdE=103.6
fwE=2.35
20200414T113534.0001.fits
SecZ=1.01
Focus=-4.908
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.714 -6.234 -1.775
T123=15.7 17.3 18.7
ALT/AZ=82.5 174.3
fwAVG=2.56
sdW=29.1
fwW=2.63
sdS=58.9
fwS=2.60
0 0 0 0 0 0 0 0 0


sdN=342.8
fwN=2.14
sdE=103.3
fwE=2.33
20200414T113558.0001.fits
SecZ=1.01
Focus=-4.908
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.714 -6.234 -1.775
T123=15.7 17.3 18.7
ALT/AZ=82.5 175.1
fwAVG=2.31
sdW=34.9
fwW=2.33
sdS=65.1
fwS=2.43
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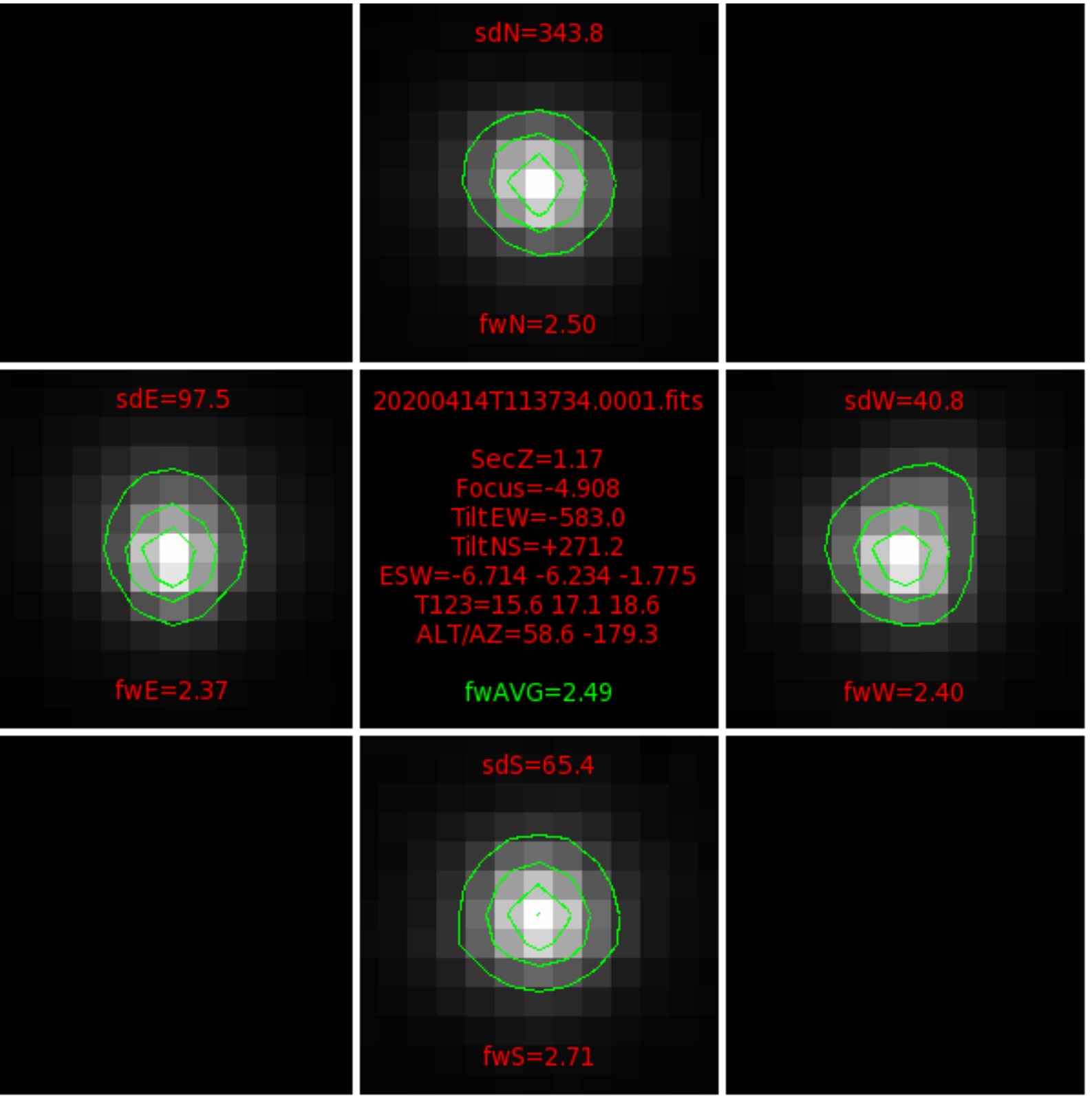
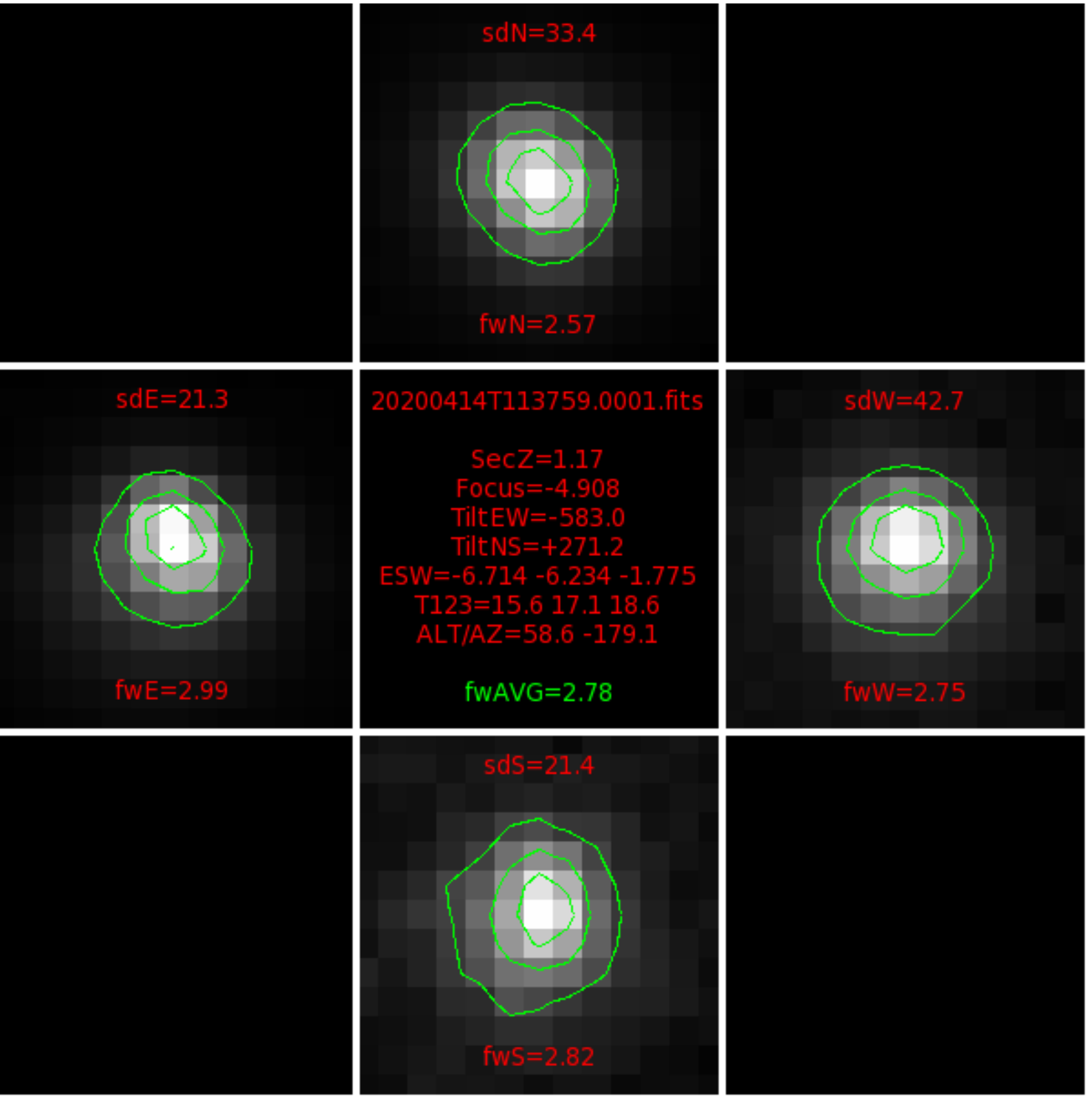
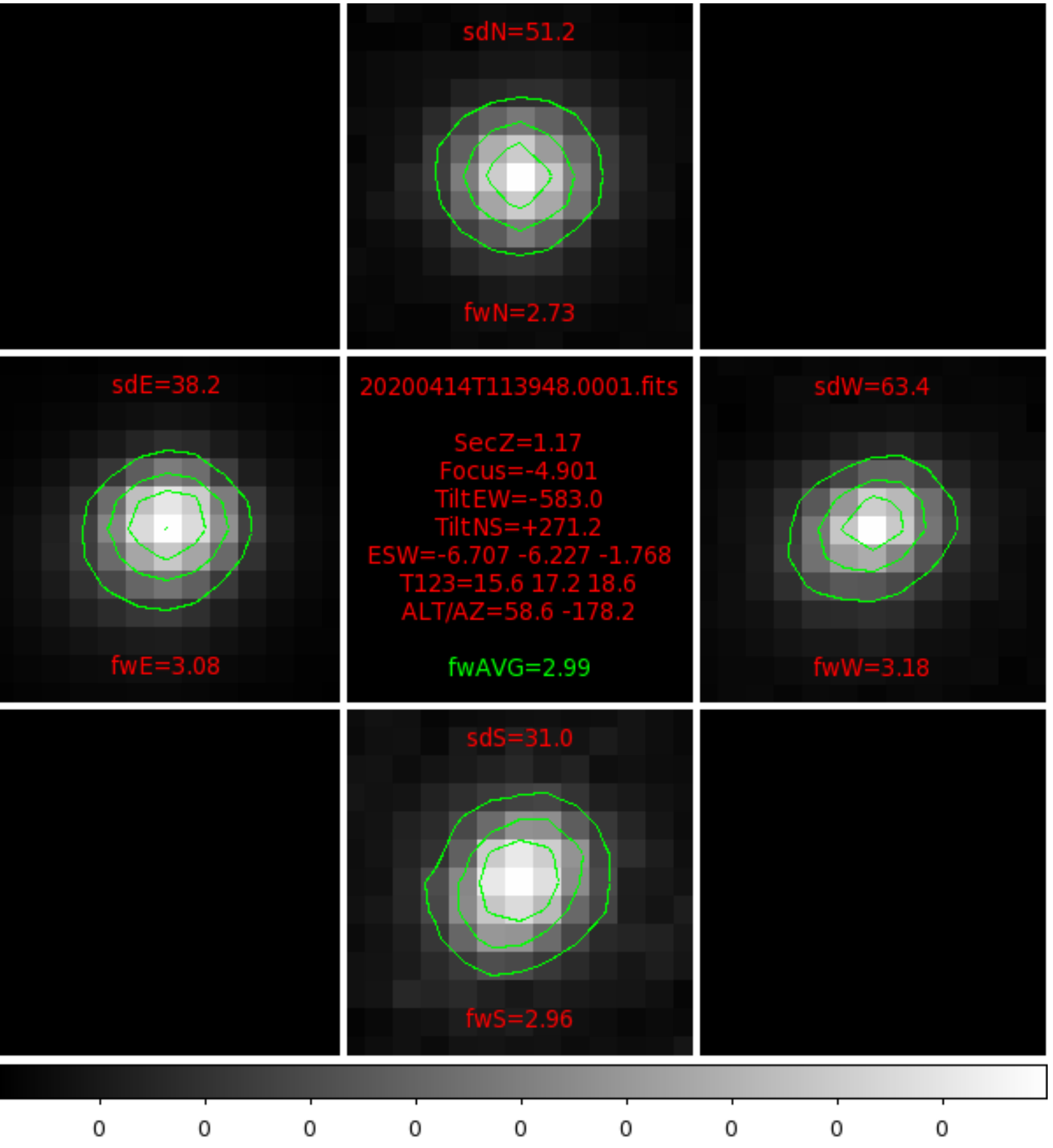
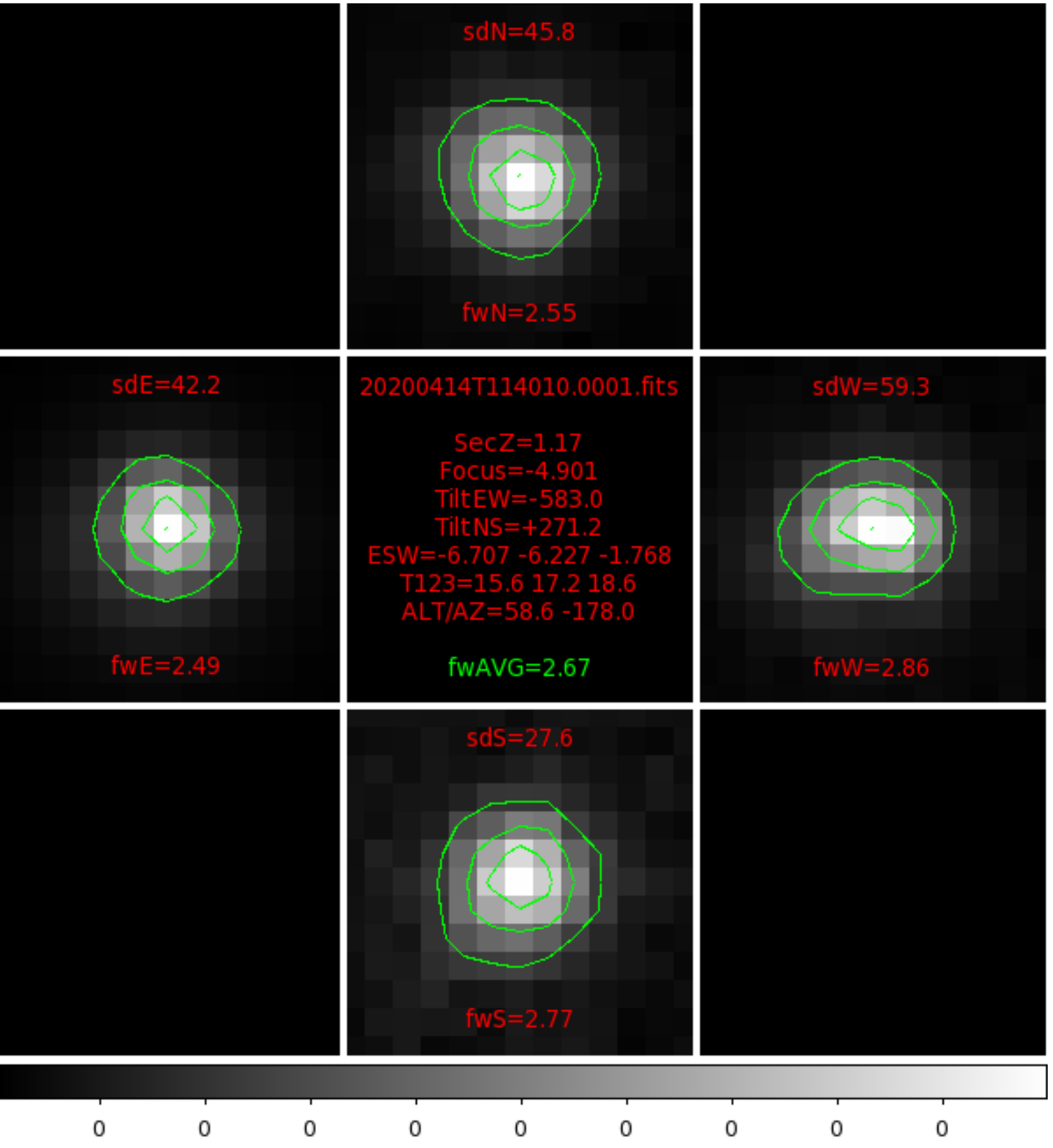

sdN=343.8
fwN=2.50
sdE=97.5
fwE=2.37
20200414T113734.0001.fits
SecZ=1.17
Focus=-4.908
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.714 -6.234 -1.775
T123=15.6 17.1 18.6
ALT/AZ=58.6 -179.3
fwAVG=2.49
sdW=40.8
fwW=2.40
sdS=65.4
fwS=2.71
0 0 0 0 0 0 0 0 0


sdN=33.4
fwN=2.57
sdE=21.3
fwE=2.99
20200414T113759.0001.fits
SecZ=1.17
Focus=-4.908
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.714 -6.234 -1.775
T123=15.6 17.1 18.6
ALT/AZ=58.6 -179.1
fwAVG=2.78
sdW=42.7
fwW=2.75
sdS=21.4
fwS=2.82
0 0 0 0 0 0 0 0 0


sdN=51.2
fwN=2.73
sdE=38.2
fwE=3.08
20200414T113948.0001.fits
SecZ=1.17
Focus=-4.901
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.707 -6.227 -1.768
T123=15.6 17.2 18.6
ALT/AZ=58.6 -178.2
fwAVG=2.99
sdW=63.4
fwW=3.18
sdS=31.0
fwS=2.96
0 0 0 0 0 0 0 0 0


sdN=45.8
fwN=2.55
sdE=42.2
fwE=2.49
20200414T114010.0001.fits
SecZ=1.17
Focus=-4.901
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.707 -6.227 -1.768
T123=15.6 17.2 18.6
ALT/AZ=58.6 -178.0
fwAVG=2.67
sdW=59.3
fwW=2.86
sdS=27.6
fwS=2.77
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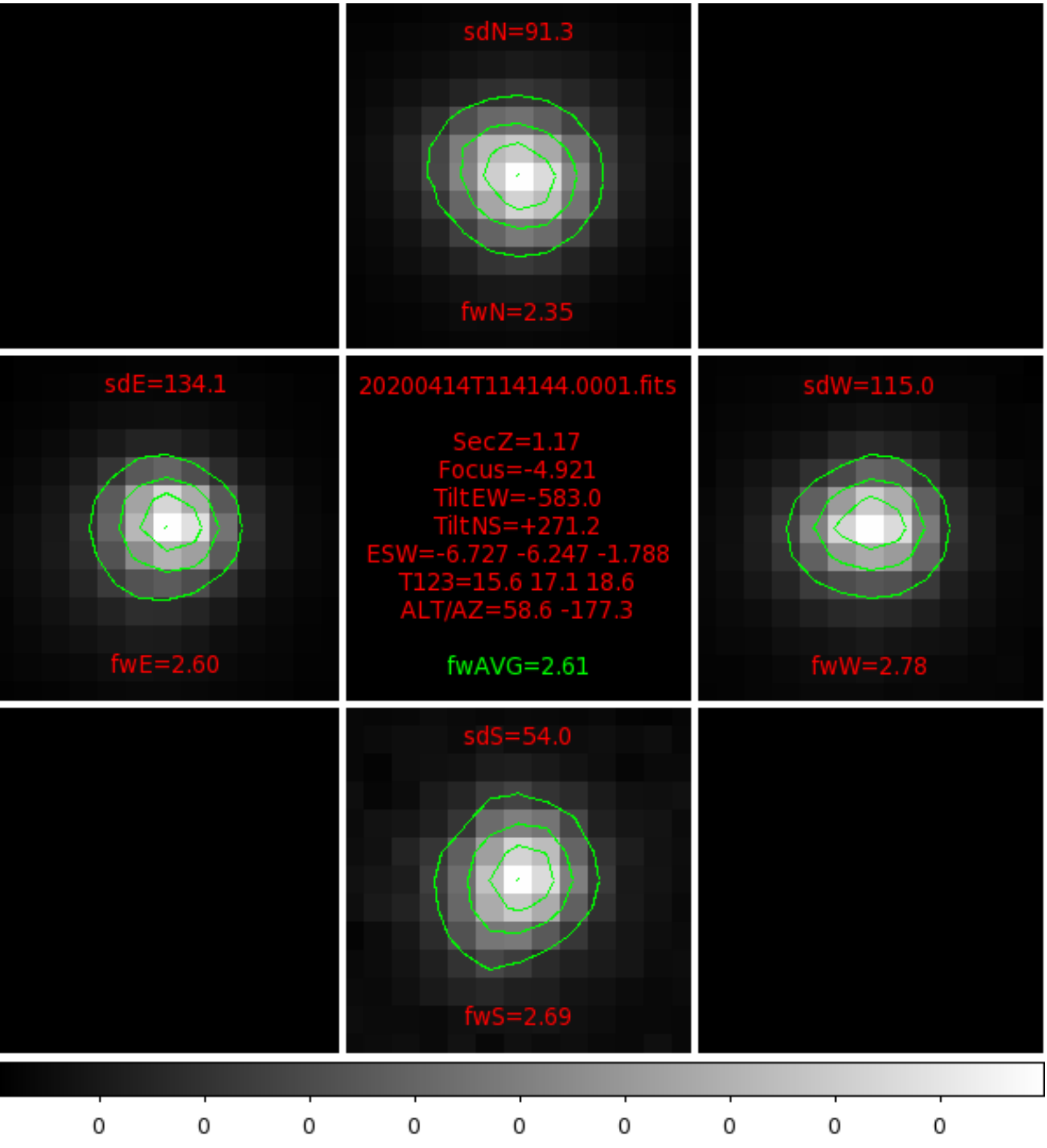
sdN=91.3
fwN=2.35
sdE=134.1
fwE=2.60
20200414T114144.0001.fits
SecZ=1.17
Focus=-4.921
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.727 -6.247 -1.788
T123=15.6 17.1 18.6
ALT/AZ=58.6 -177.3
fwAVG=2.61
sdW=115.0
fwW=2.78
sdS=54.0
fwS=2.69
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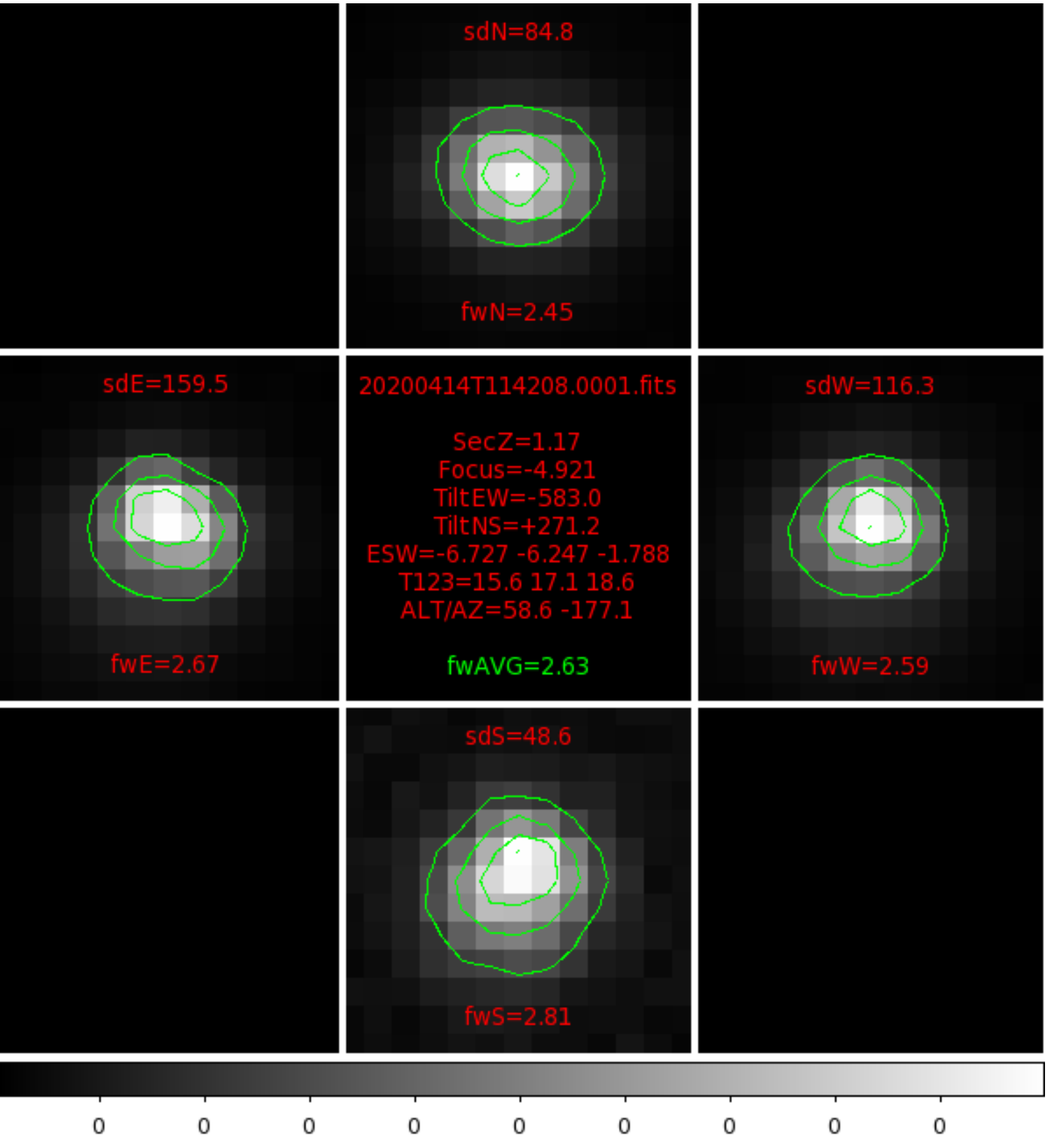
sdN=84.8
fwN=2.45
sdE=159.5
fwE=2.67
20200414T114208.0001.fits
SecZ=1.17
Focus=-4.921
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.727 -6.247 -1.788
T123=15.6 17.1 18.6
ALT/AZ=58.6 -177.1
fwAVG=2.63
sdW=116.3
fwW=2.59
sdS=48.6
fwS=2.81
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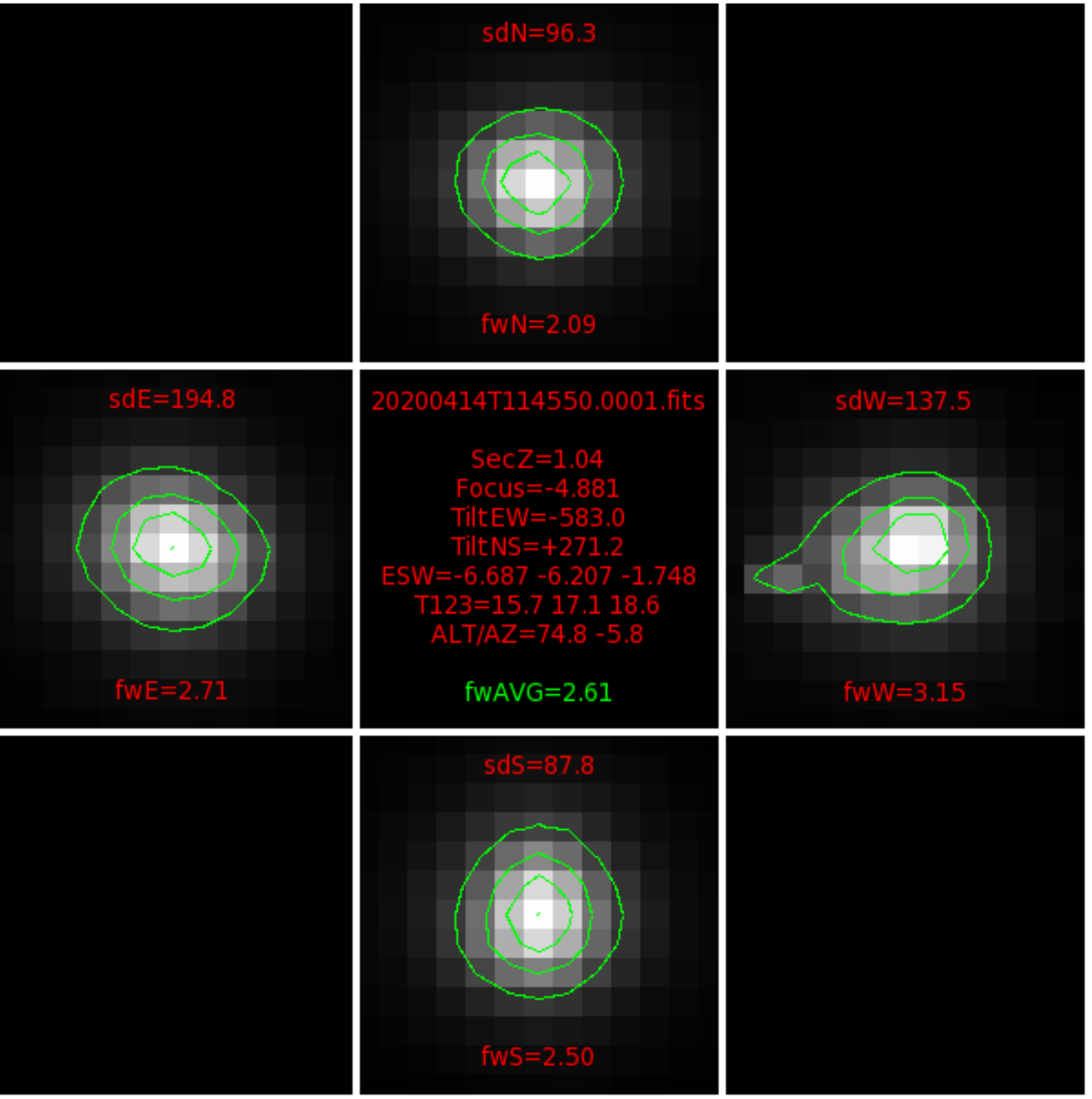
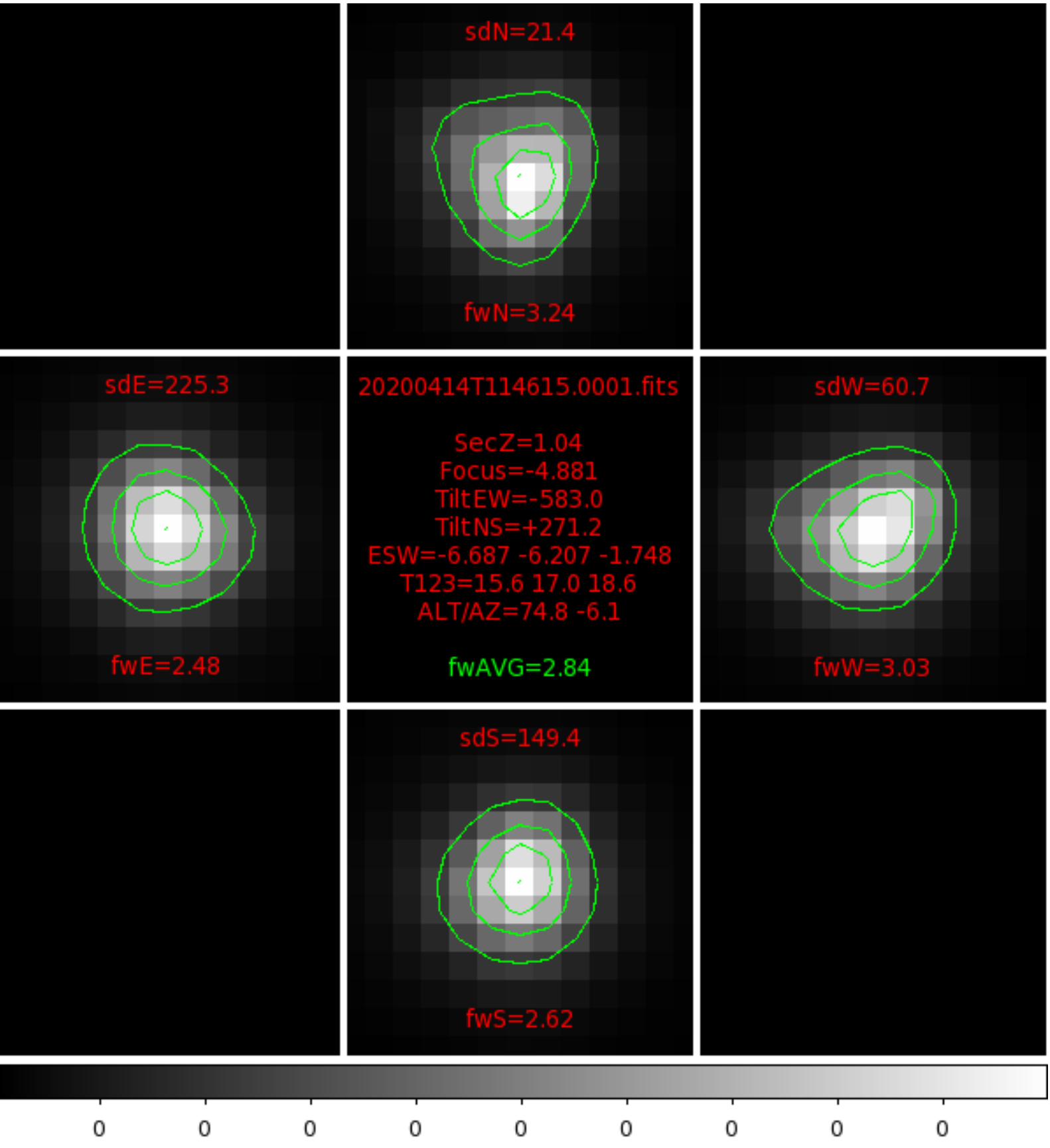

sdN=96.3
fwN=2.09
sdE=194.8
fwE=2.71
20200414T114550.0001.fits
SecZ=1.04
Focus=-4.881
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.687 -6.207 -1.748
T123=15.7 17.1 18.6
ALT/AZ=74.8 -5.8
fwAVG=2.61
sdW=137.5
fwW=3.15
sdS=87.8
fwS=2.50
0 0 0 0 0 0 0 0 0


sdN=21.4
fwN=3.24
sdE=225.3
fwE=2.48
20200414T114615.0001.fits
SecZ=1.04
Focus=-4.881
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.687 -6.207 -1.748
T123=15.6 17.0 18.6
ALT/AZ=74.8 -6.1
fwAVG=2.84
sdW=60.7
fwW=3.03
sdS=149.4
fwS=2.62
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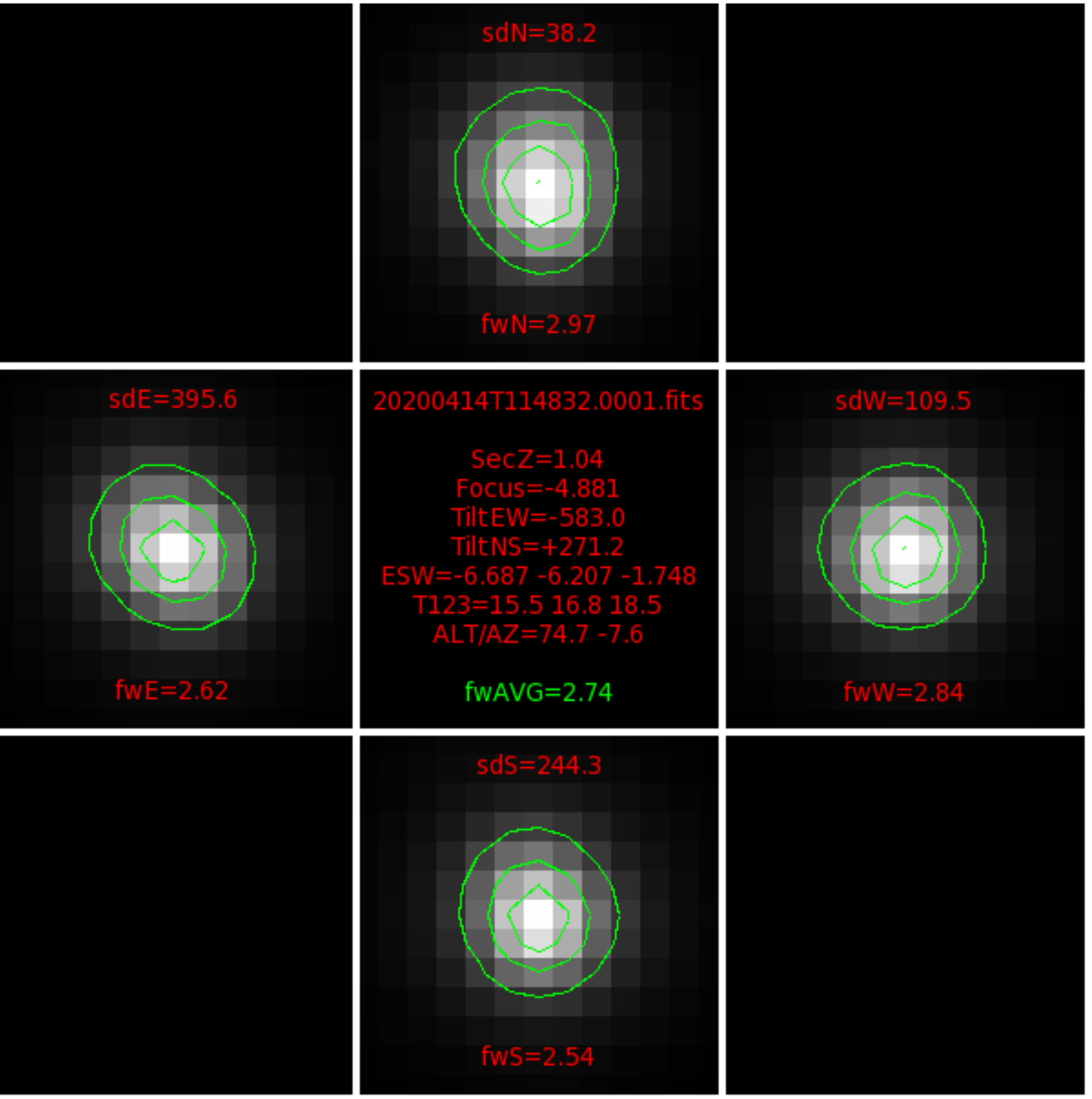
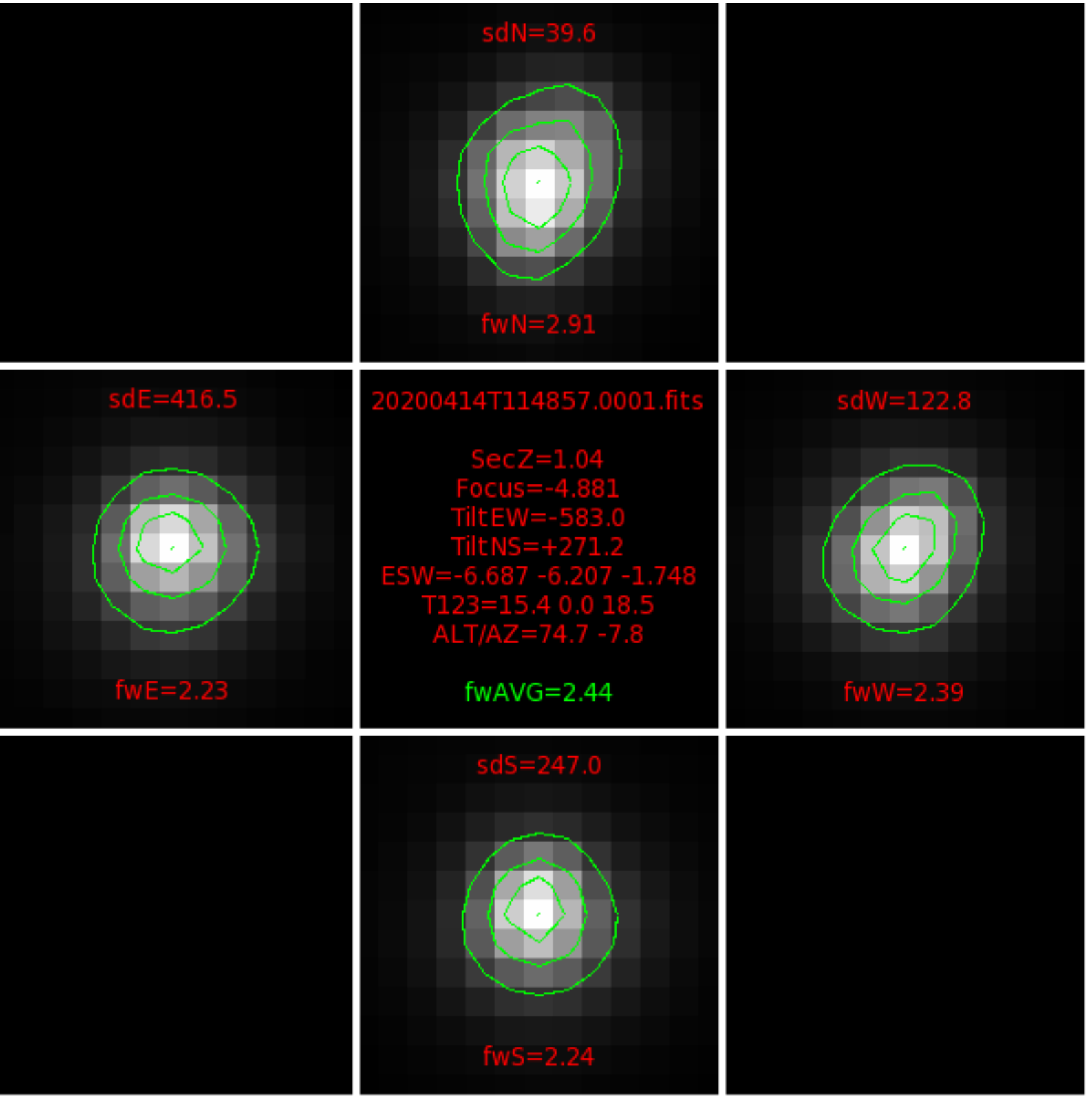
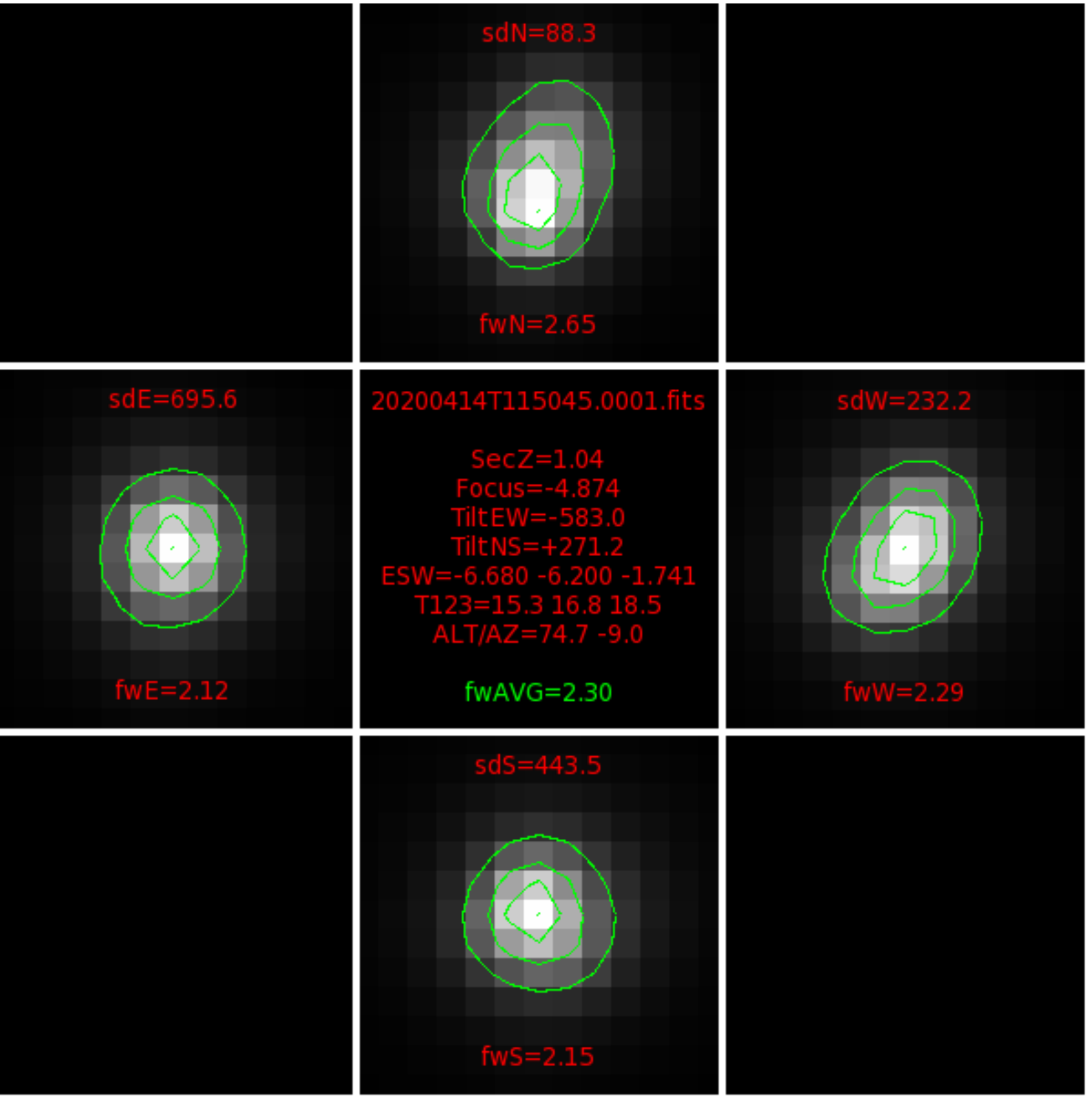
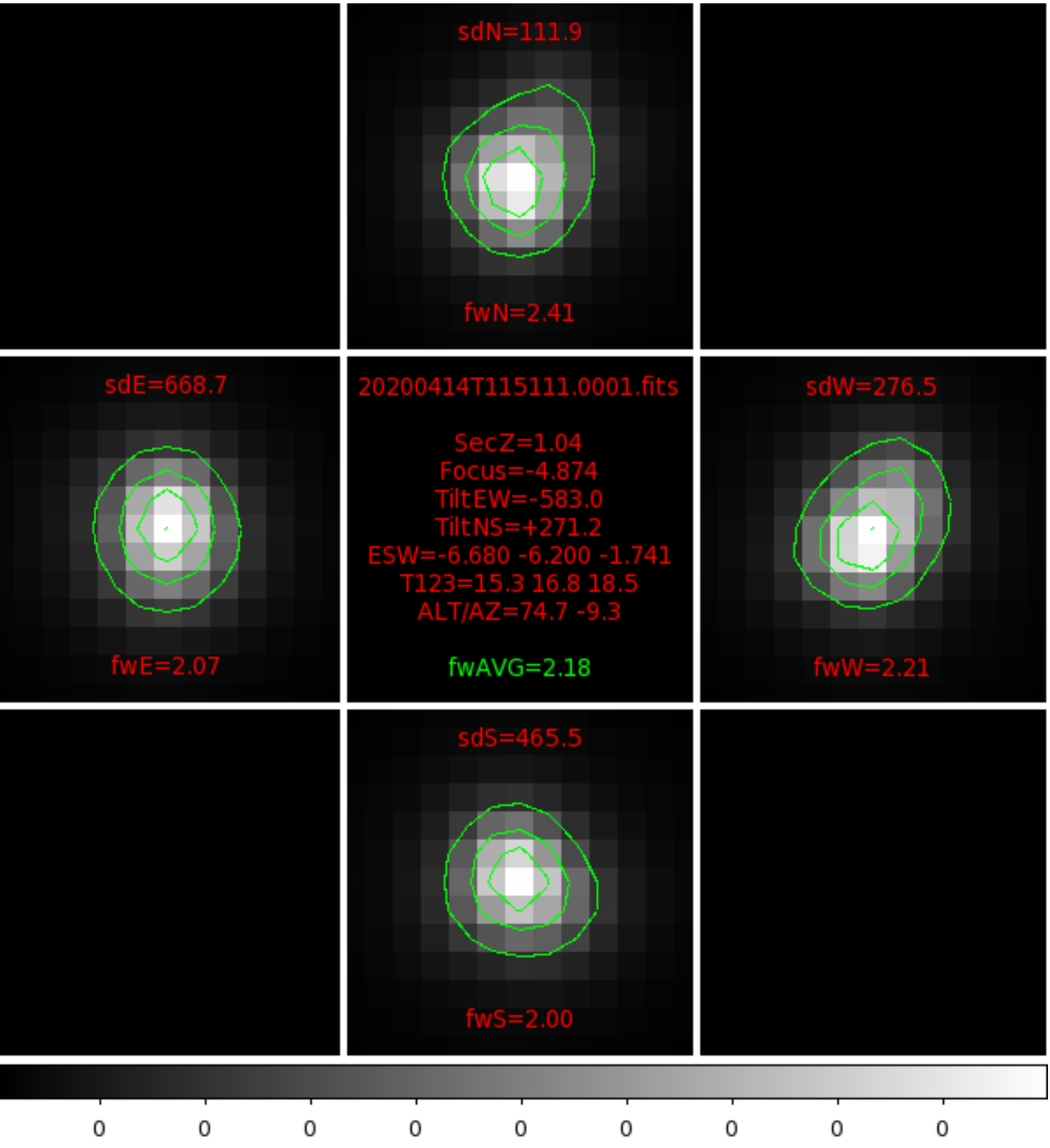

sdN=38.2
fwN=2.97
sdE=395.6
fwE=2.62
20200414T114832.0001.fits
SecZ=1.04
Focus=-4.881
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.687 -6.207 -1.748
T123=15.5 16.8 18.5
ALT/AZ=74.7 -7.6
fwAVG=2.74
sdW=109.5
fwW=2.84
sdS=244.3
fwS=2.54
0 0 0 0 0 0 0 0 0


sdN=39.6
fwN=2.91
sdE=416.5
fwE=2.23
20200414T114857.0001.fits
SecZ=1.04
Focus=-4.881
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.687 -6.207 -1.748
T123=15.4 0.0 18.5
ALT/AZ=74.7 -7.8
fwAVG=2.44
sdW=122.8
fwW=2.39
sdS=247.0
fwS=2.24
0 0 0 0 0 0 0 0 0


sdN=88.3
fwN=2.65
sdE=695.6
fwE=2.12
20200414T115045.0001.fits
SecZ=1.04
Focus=-4.874
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.680 -6.200 -1.741
T123=15.3 16.8 18.5
ALT/AZ=74.7 -9.0
fwAVG=2.30
sdW=232.2
fwW=2.29
sdS=443.5
fwS=2.15
0 0 0 0 0 0 0 0 0


sdN=111.9
fwN=2.41
sdE=668.7
fwE=2.07
20200414T115111.0001.fits
SecZ=1.04
Focus=-4.874
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.680 -6.200 -1.741
T123=15.3 16.8 18.5
ALT/AZ=74.7 -9.3
fwAVG=2.18
sdW=276.5
fwW=2.21
sdS=465.5
fwS=2.00
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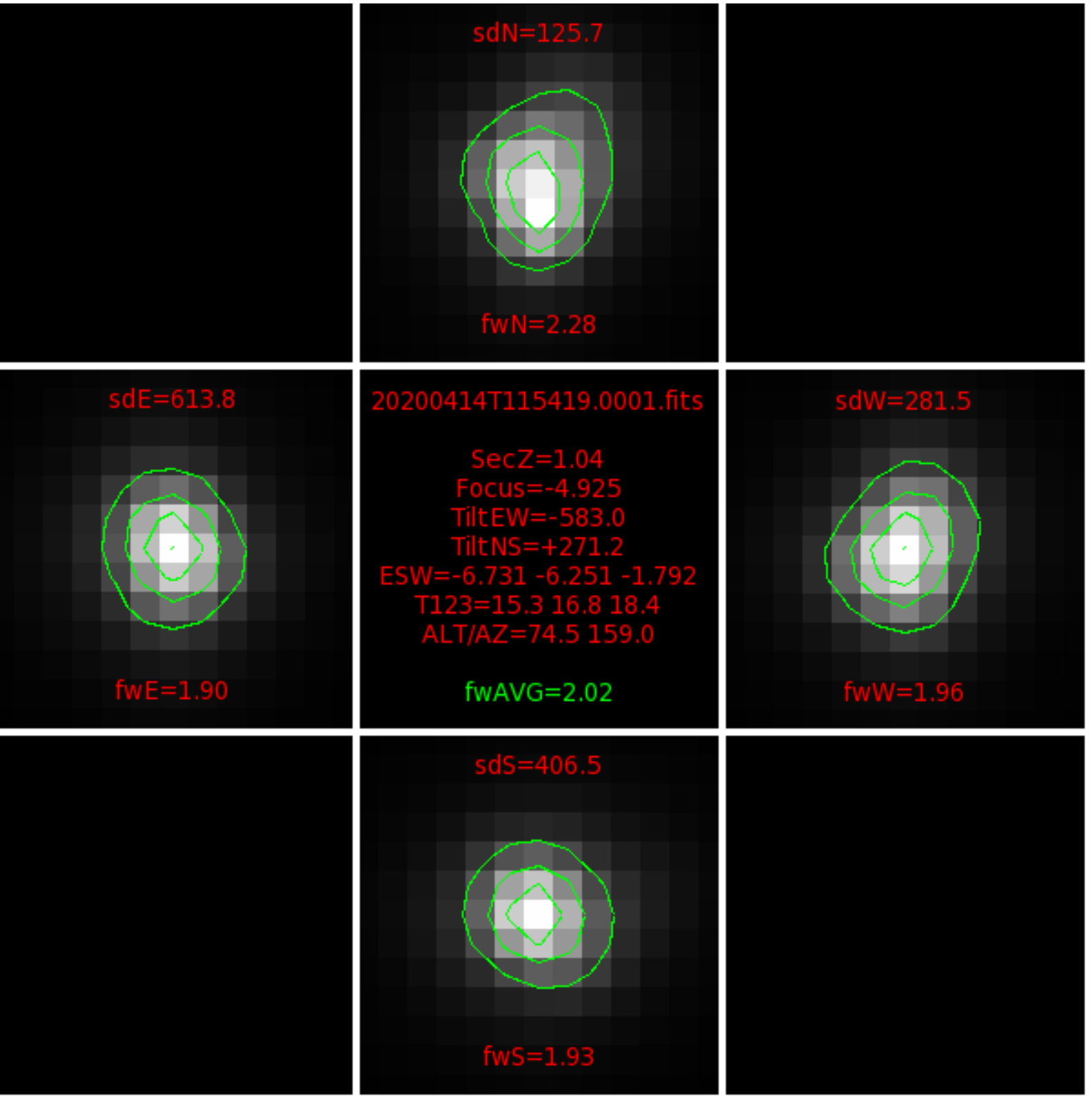
sdN=125.7
fwN=2.28
sdE=613.8
fwE=1.90
20200414T115419.0001.fits
SecZ=1.04
Focus=-4.925
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.731 -6.251 -1.792
T123=15.3 16.8 18.4
ALT/AZ=74.5 159.0
fwAVG=2.02
sdW=281.5
fwW=1.96
sdS=406.5
fwS=1.93
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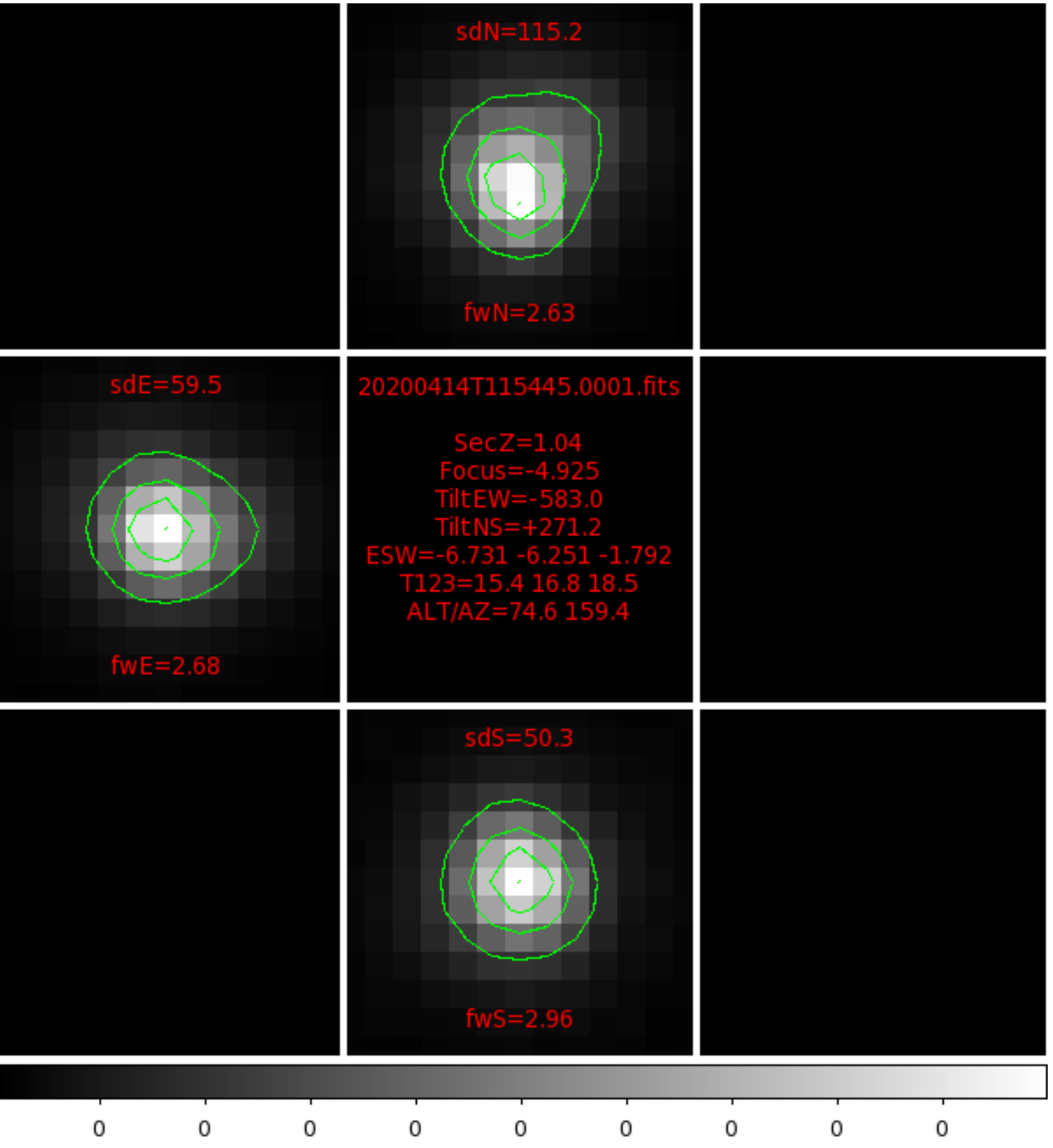
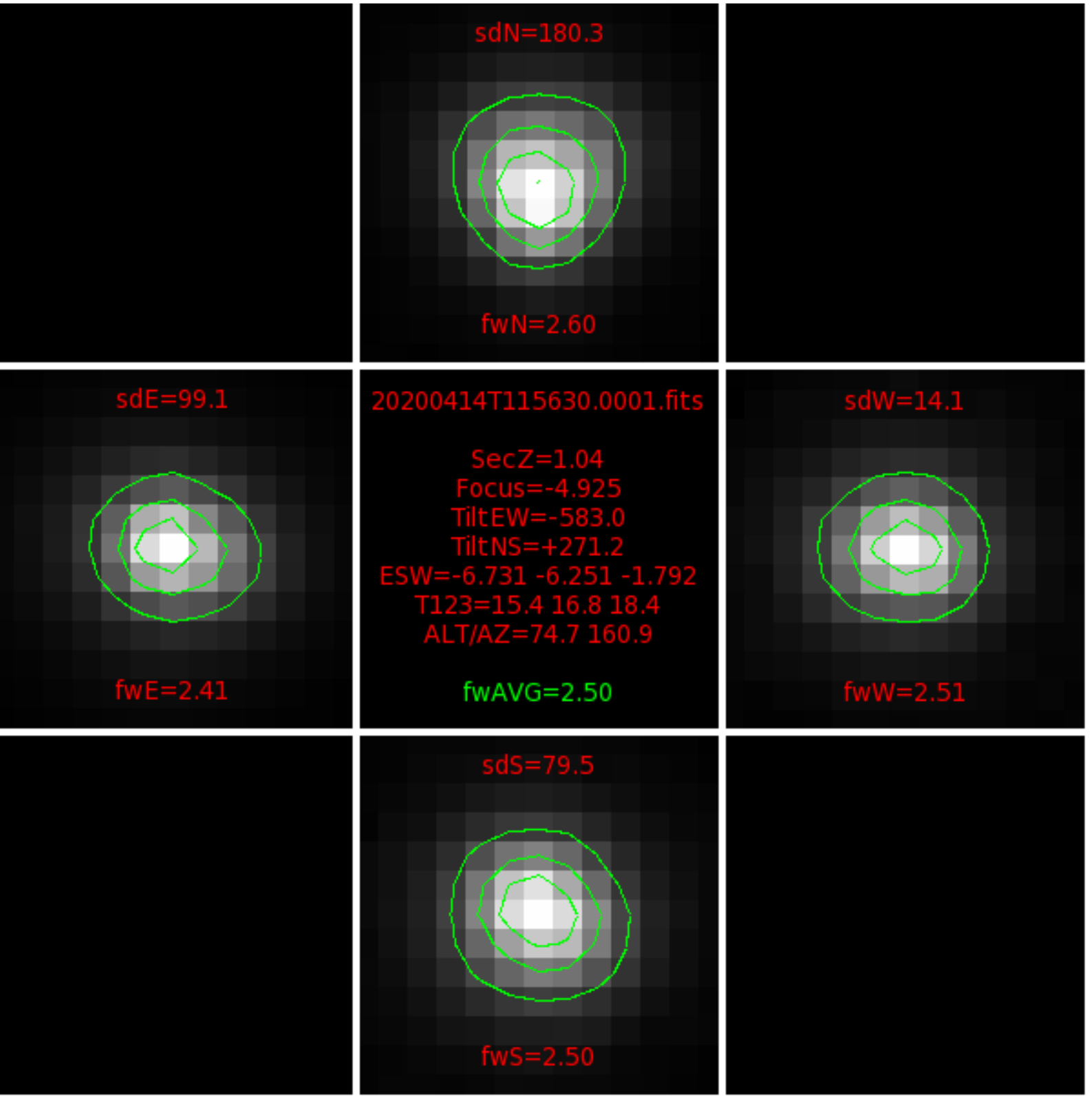

sdN=115.2
fwN=2.63
sdE=59.5
fwE=2.68
20200414T115445.0001.fits
SecZ=1.04
Focus=-4.925
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.731 -6.251 -1.792
T123=15.4 16.8 18.5
ALT/AZ=74.6 159.4
sdS=50.3
fwS=2.96
0 0 0 0 0 0 0 0 0


sdN=180.3
fwN=2.60
sdE=99.1
fwE=2.41
20200414T115630.0001.fits
SecZ=1.04
Focus=-4.925
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.731 -6.251 -1.792
T123=15.4 16.8 18.4
ALT/AZ=74.7 160.9
fwAVG=2.50
sdW=14.1
fwW=2.51
sdS=79.5
fwS=2.50
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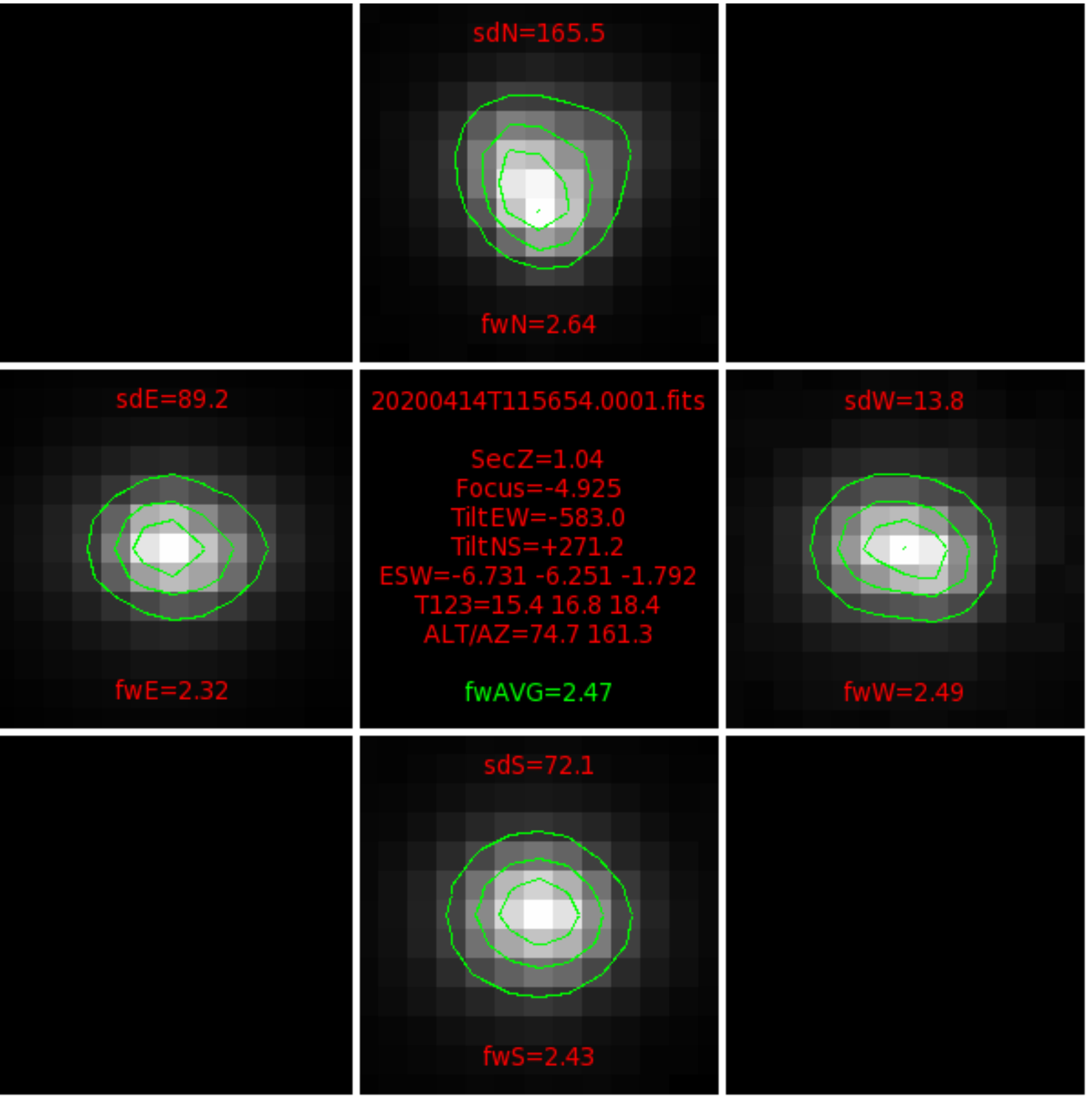
sdN=165.5
fwN=2.64
sdE=89.2
fwE=2.32
20200414T115654.0001.fits
SecZ=1.04
Focus=-4.925
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.731 -6.251 -1.792
T123=15.4 16.8 18.4
ALT/AZ=74.7 161.3
fwAVG=2.47
sdW=13.8
fwW=2.49
sdS=72.1
fwS=2.43
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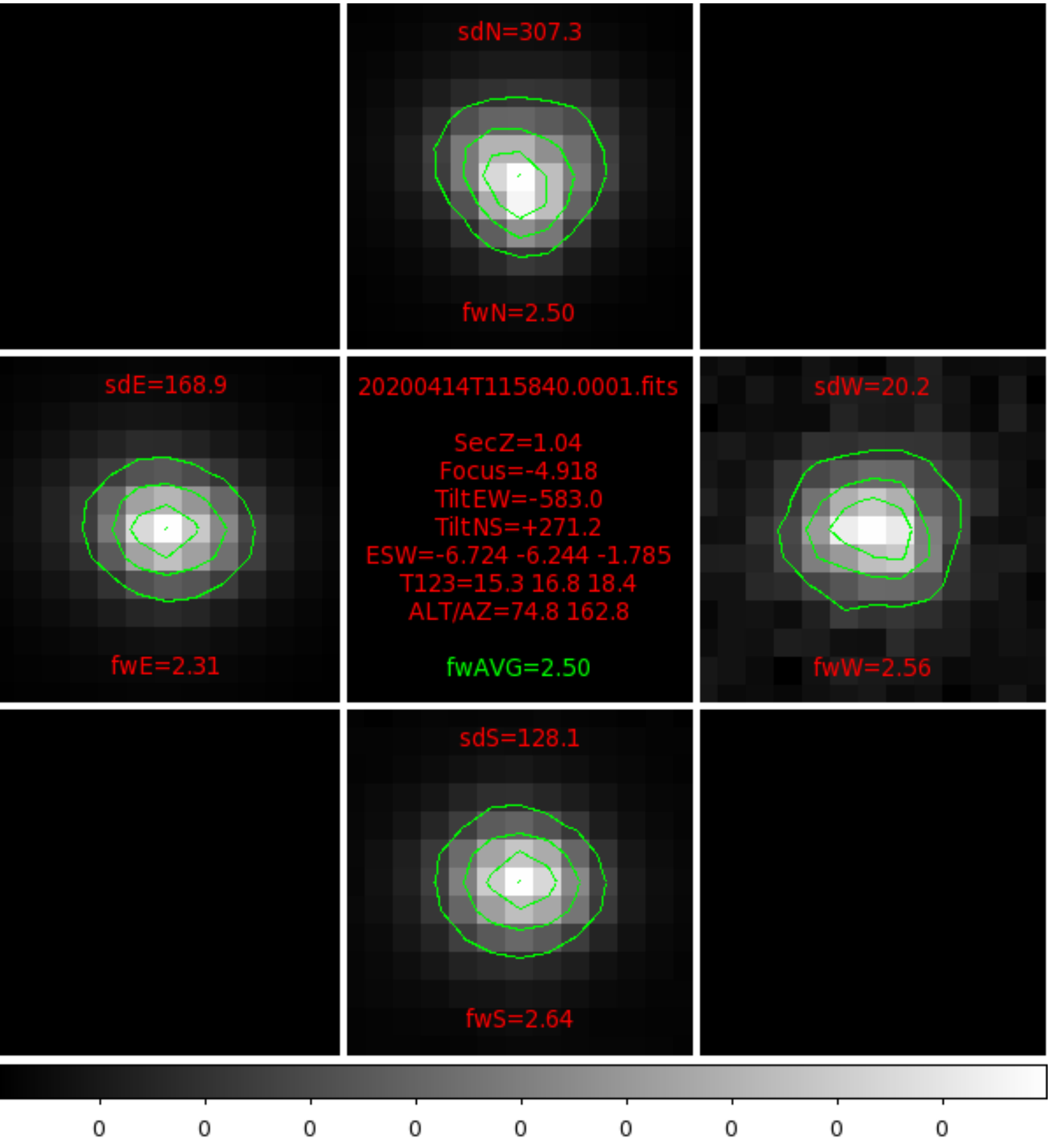
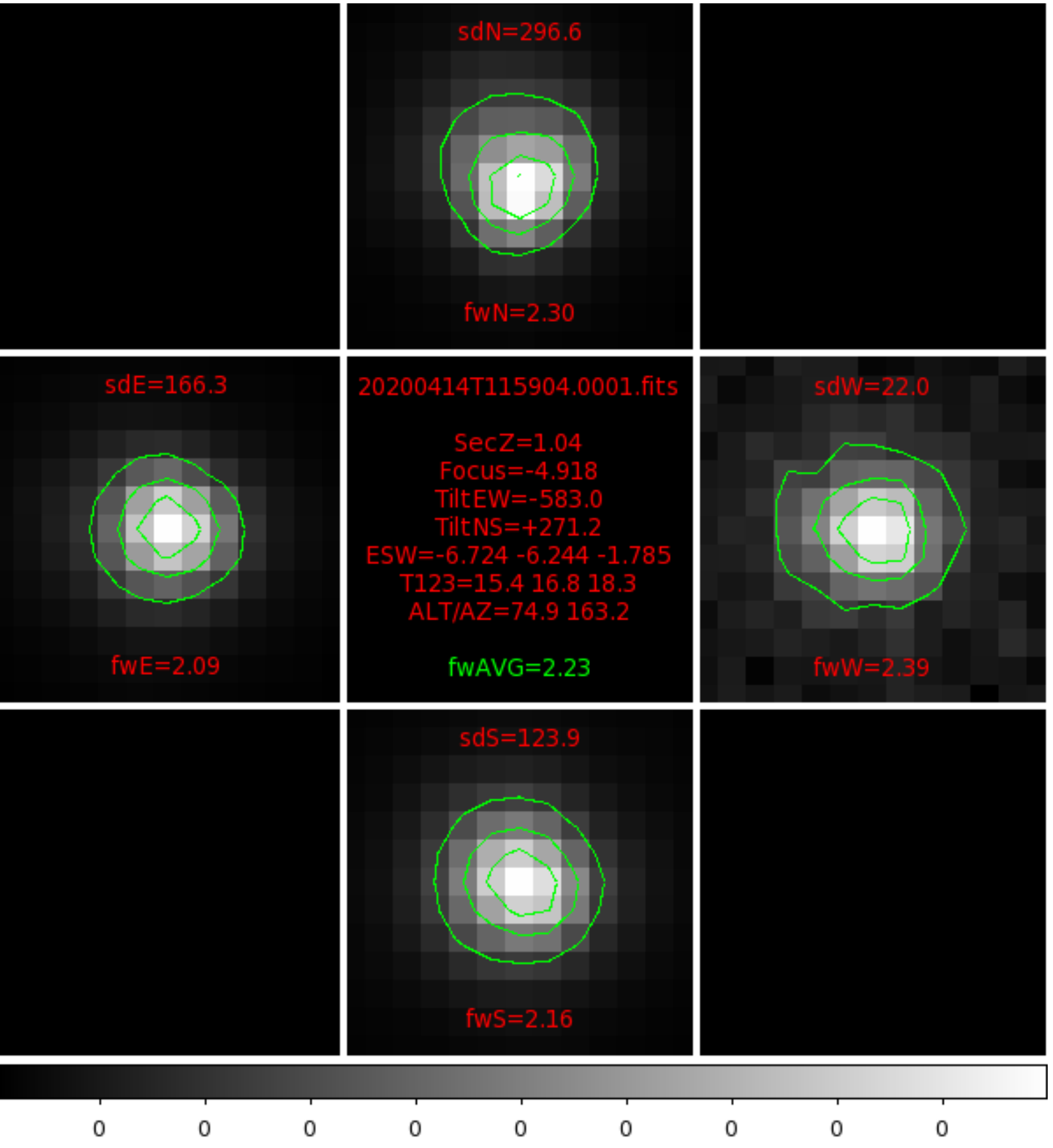

sdN=307.3
fwN=2.50
sdE=168.9
fwE=2.31
20200414T115840.0001.fits
SecZ=1.04
Focus=-4.918
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.724 -6.244 -1.785
T123=15.3 16.8 18.4
ALT/AZ=74.8 162.8
fwAVG=2.50
sdW=20.2
fwW=2.56
sdS=128.1
fwS=2.64
0 0 0 0 0 0 0 0 0


sdN=296.6
fwN=2.30
sdE=166.3
fwE=2.09
20200414T115904.0001.fits
SecZ=1.04
Focus=-4.918
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.724 -6.244 -1.785
T123=15.4 16.8 18.3
ALT/AZ=74.9 163.2
fwAVG=2.23
sdW=22.0
fwW=2.39
sdS=123.9
fwS=2.16
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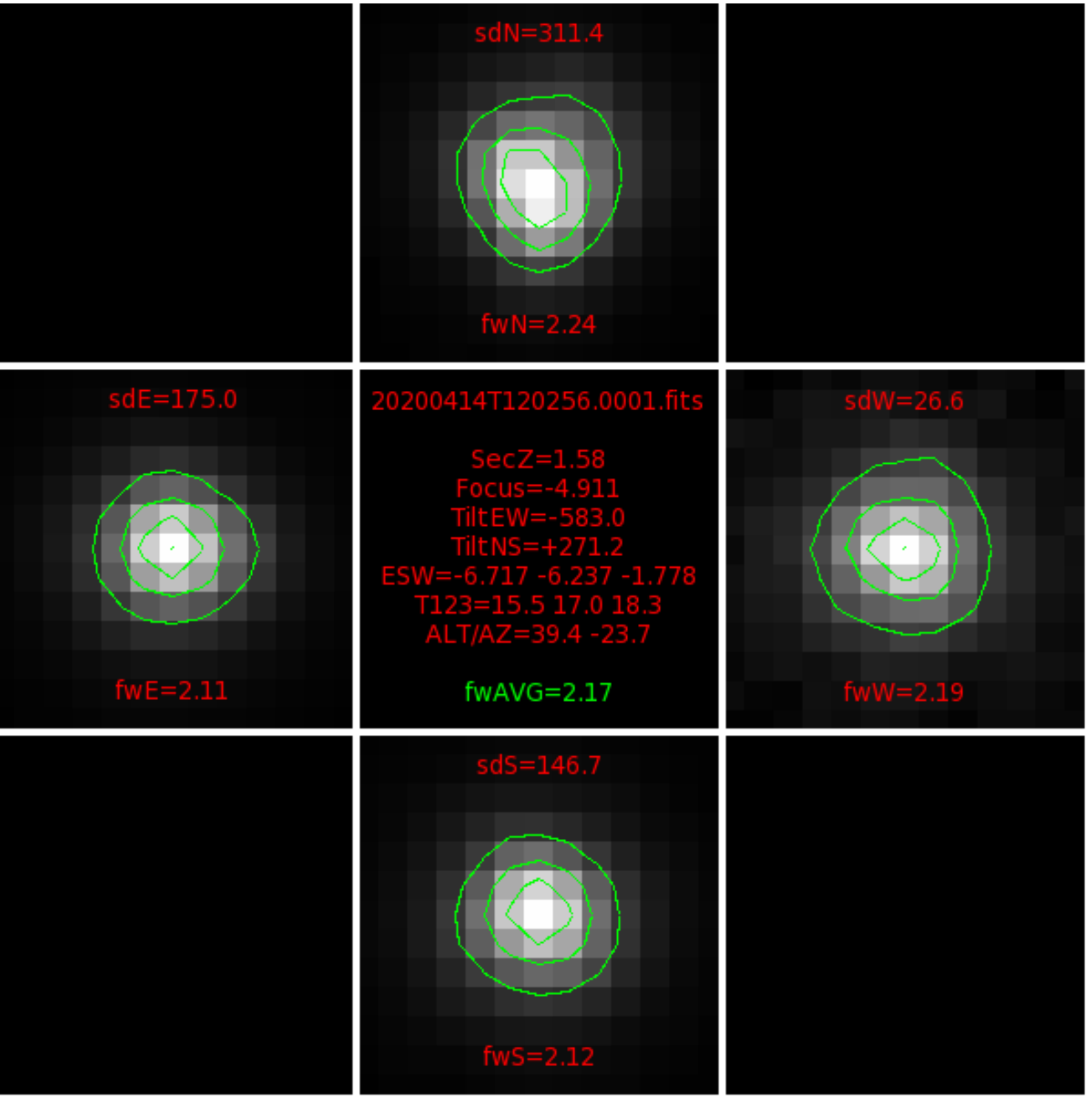
sdN=311.4
fwN=2.24
sdE=175.0
fwE=2.11
20200414T120256.0001.fits
SecZ=1.58
Focus=-4.911
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.717 -6.237 -1.778
T123=15.5 17.0 18.3
ALT/AZ=39.4 -23.7
fwAVG=2.17
sdW=26.6
fwW=2.19
sdS=146.7
fwS=2.12
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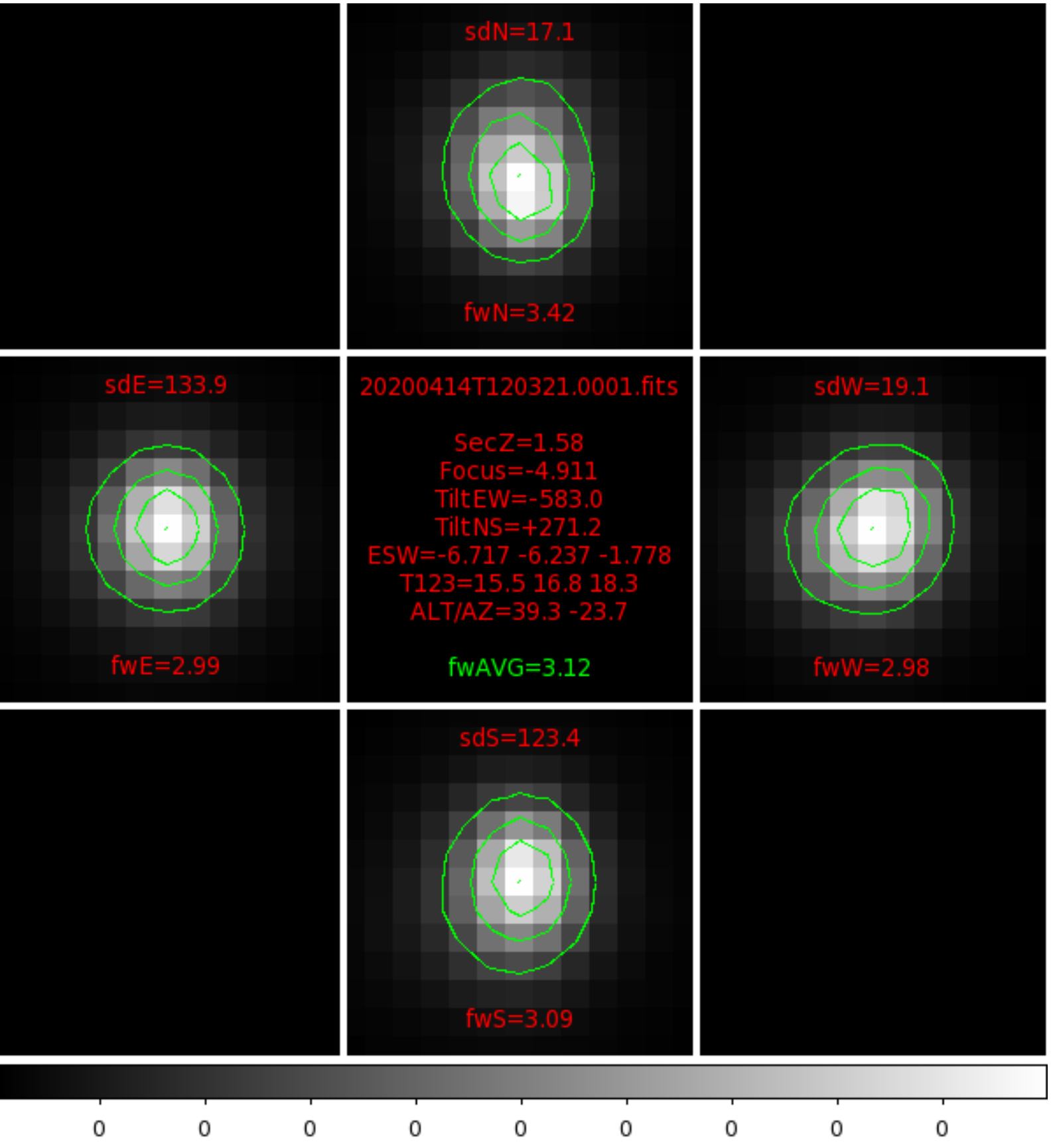
sdN=17.1
fwN=3.42
sdE=133.9
fwE=2.99
20200414T120321.0001.fits
SecZ=1.58
Focus=-4.911
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.717 -6.237 -1.778
T123=15.5 16.8 18.3
ALT/AZ=39.3 -23.7
fwAVG=3.12
sdW=19.1
fwW=2.98
sdS=123.4
fwS=3.09
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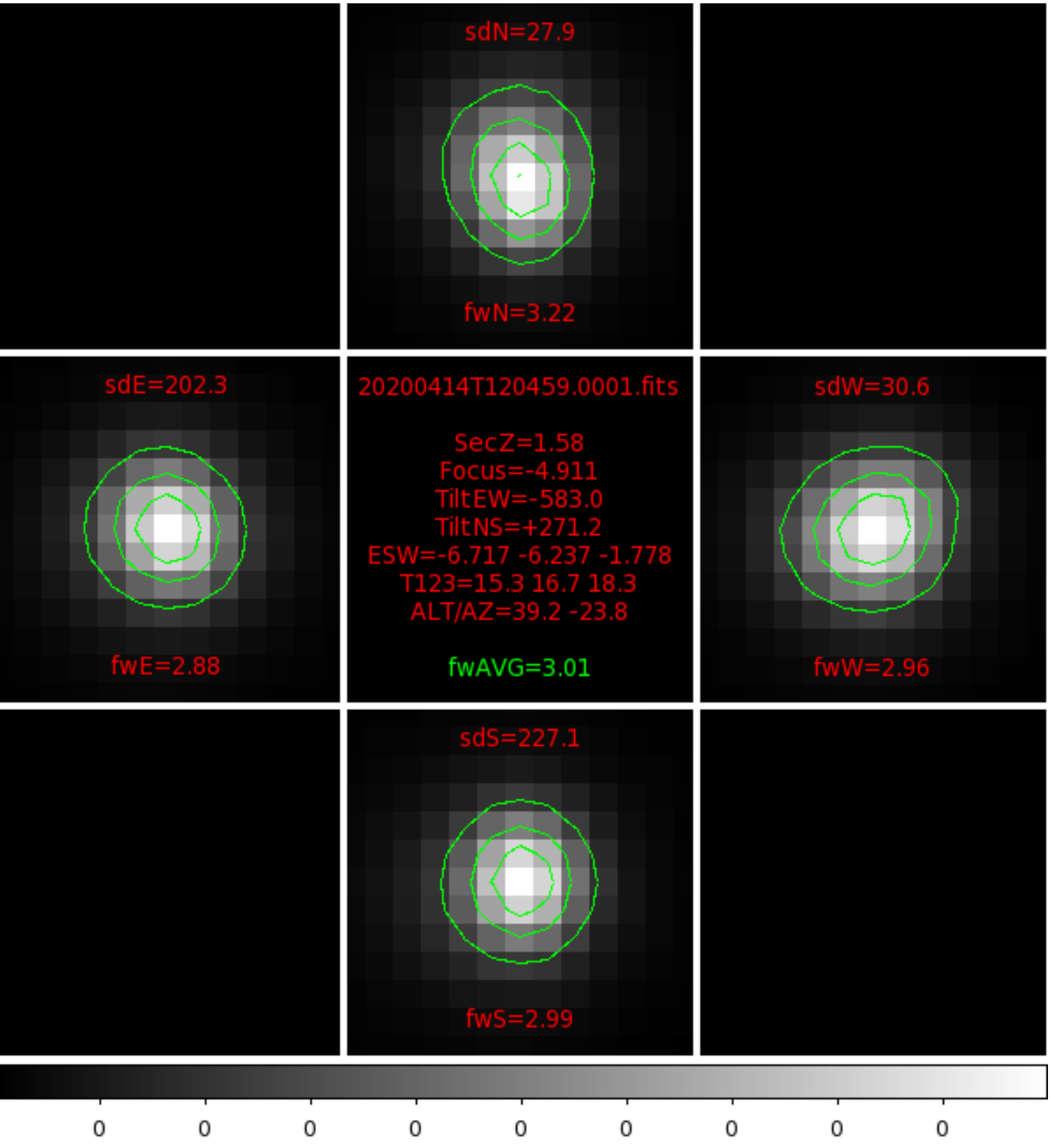
sdN=27.9
fwN=3.22
sdE=202.3
fwE=2.88
20200414T120459.0001.fits
SecZ=1.58
Focus=-4.911
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.717 -6.237 -1.778
T123=15.3 16.7 18.3
ALT/AZ=39.2 -23.8
fwAVG=3.01
sdW=30.6
fwW=2.96
sdS=227.1
fwS=2.99
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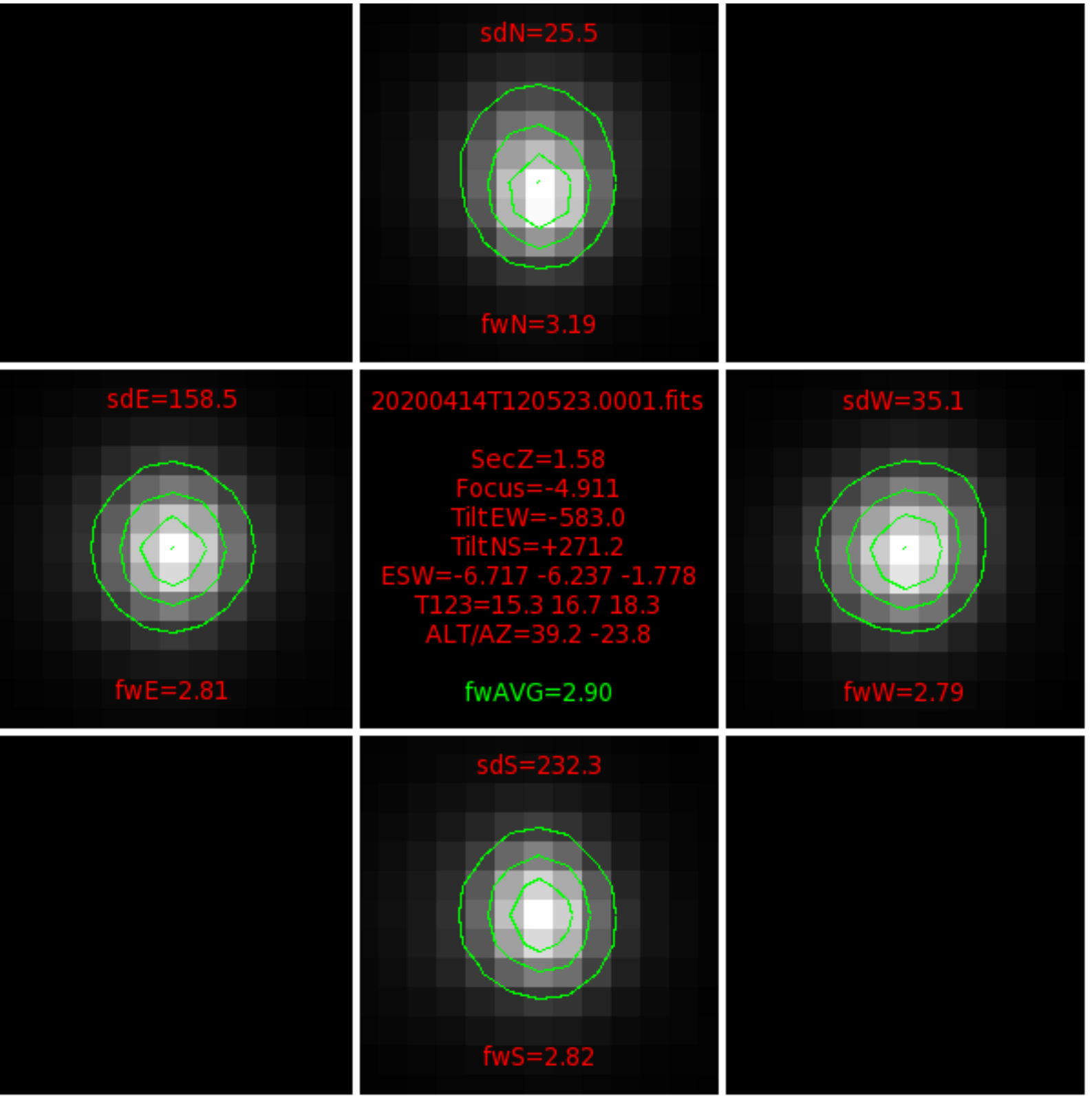
sdN=25.5
fwN=3.19
sdE=158.5
fwE=2.81
20200414T120523.0001.fits
SecZ=1.58
Focus=-4.911
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.717 -6.237 -1.778
T123=15.3 16.7 18.3
ALT/AZ=39.2 -23.8
fwAVG=2.90
sdW=35.1
fwW=2.79
sdS=232.3
fwS=2.82
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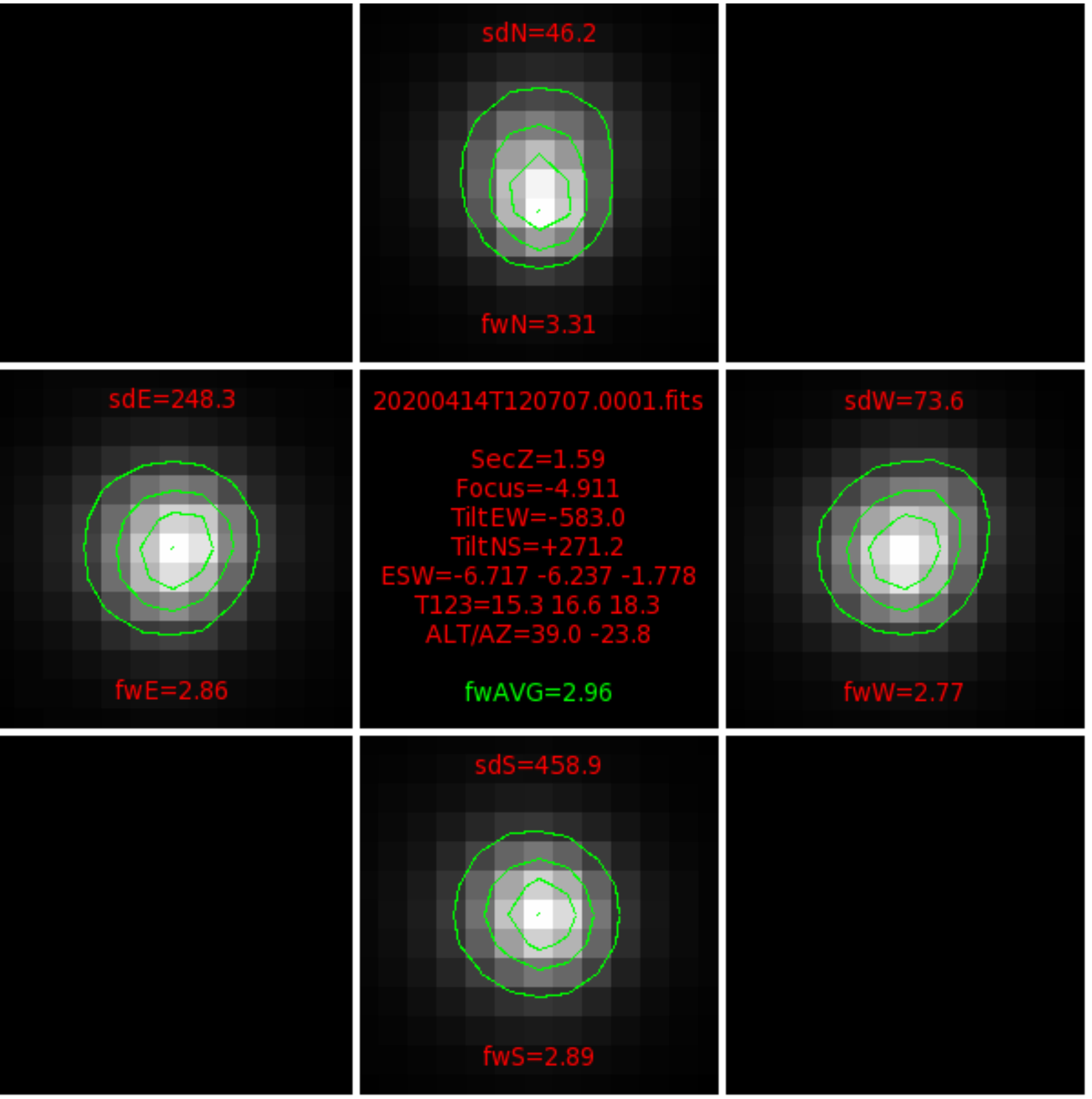
sdN=46.2
fwN=3.31
sdE=248.3
fwE=2.86
20200414T120707.0001.fits
SecZ=1.59
Focus=-4.911
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.717 -6.237 -1.778
T123=15.3 16.6 18.3
ALT/AZ=39.0 -23.8
fwAVG=2.96
sdW=73.6
fwW=2.77
sdS=458.9
fwS=2.89
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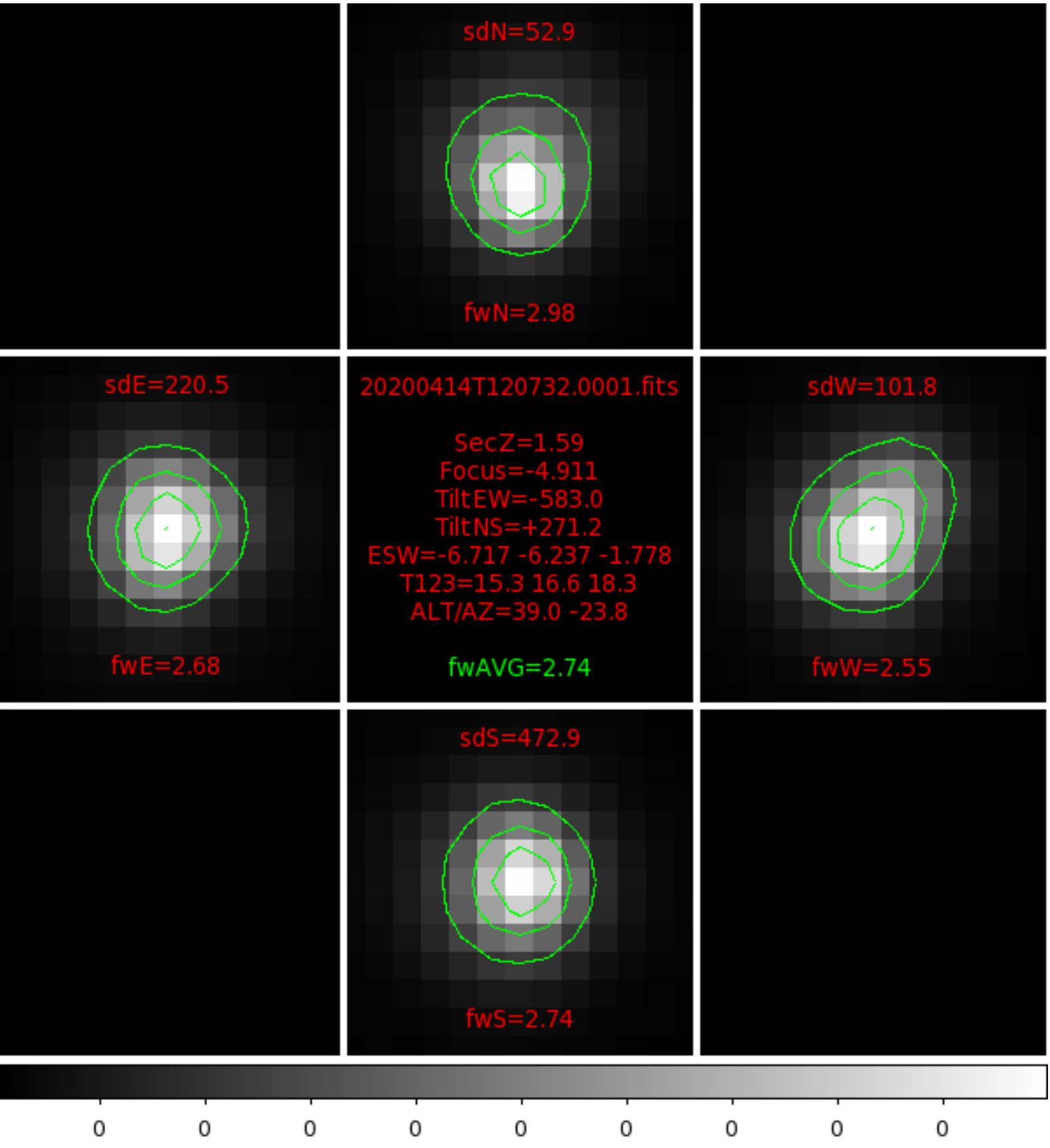
sdN=52.9
fwN=2.98
sdE=220.5
fwE=2.68
20200414T120732.0001.fits
SecZ=1.59
Focus=-4.911
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.717 -6.237 -1.778
T123=15.3 16.6 18.3
ALT/AZ=39.0 -23.8
fwAVG=2.74
sdW=101.8
fwW=2.55
sdS=472.9
fwS=2.74
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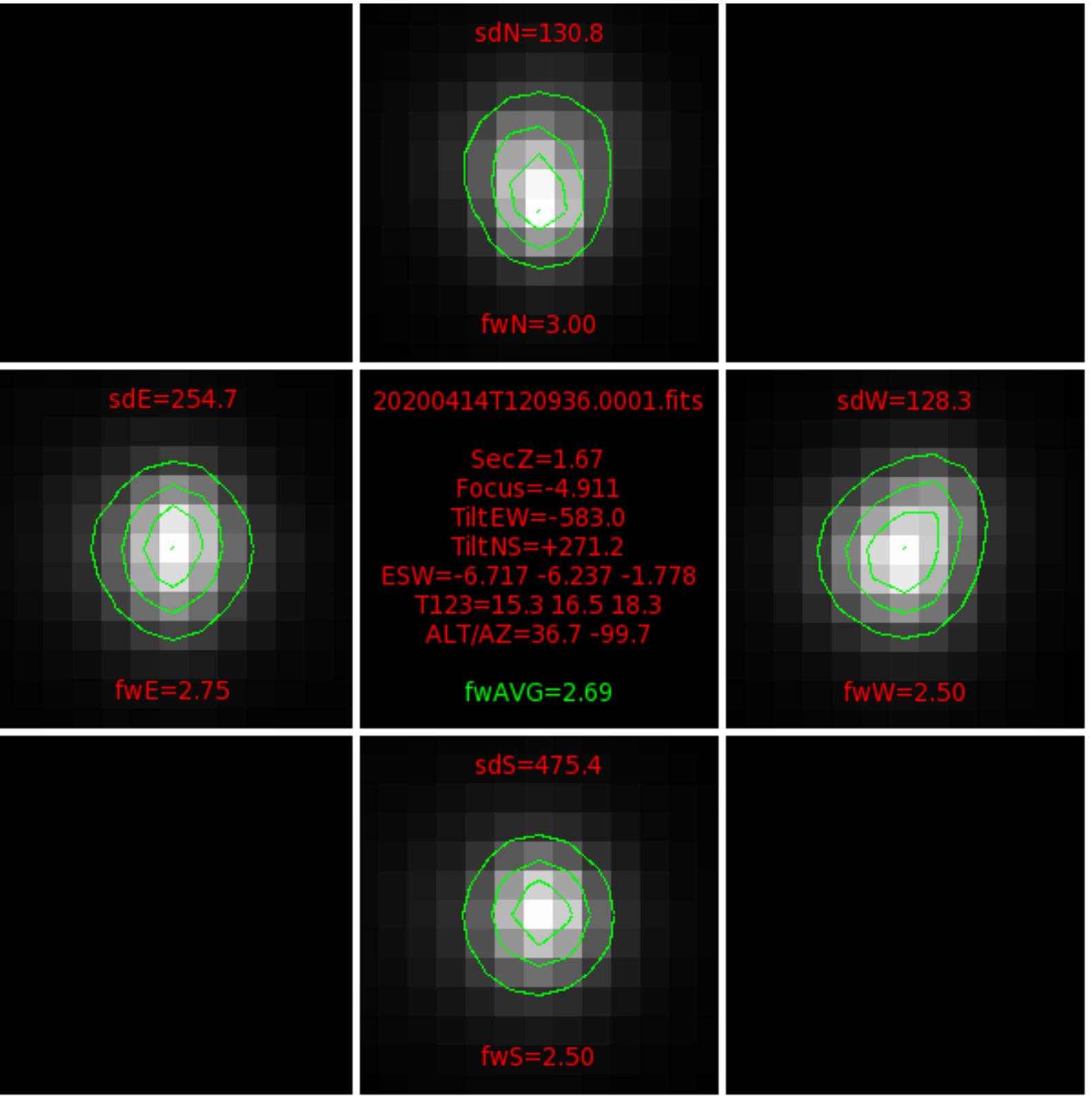
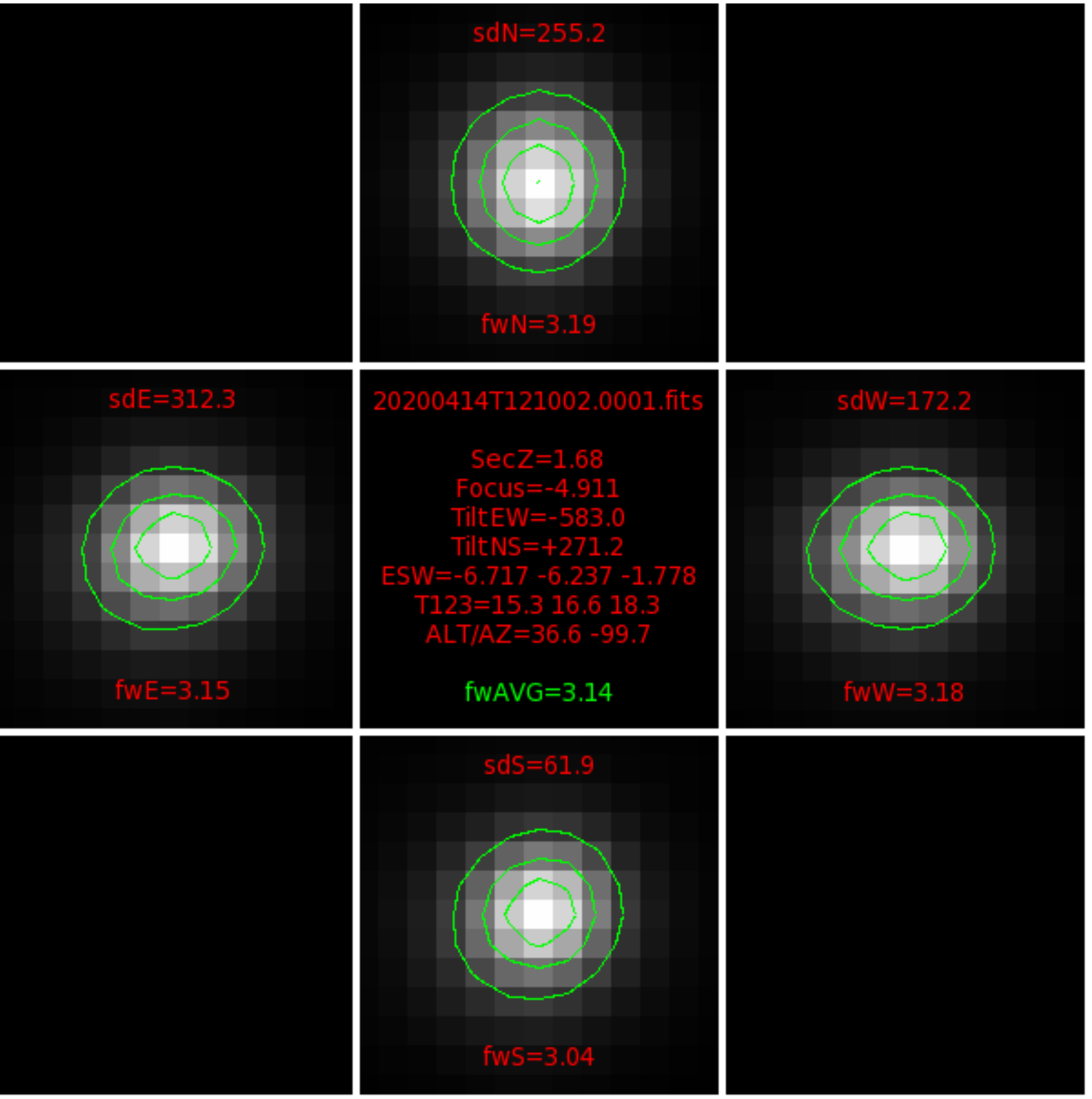

sdN=130.8
fwN=3.00
sdE=254.7
fwE=2.75
20200414T120936.0001.fits
SecZ=1.67
Focus=-4.911
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.717 -6.237 -1.778
T123=15.3 16.5 18.3
ALT/AZ=36.7 -99.7
fwAVG=2.69
sdW=128.3
fwW=2.50
sdS=475.4
fwS=2.50
0 0 0 0 0 0 0 0 0


sdN=255.2
fwN=3.19
sdE=312.3
fwE=3.15
20200414T121002.0001.fits
SecZ=1.68
Focus=-4.911
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.717 -6.237 -1.778
T123=15.3 16.6 18.3
ALT/AZ=36.6 -99.7
fwAVG=3.14
sdW=172.2
fwW=3.18
sdS=61.9
fwS=3.04
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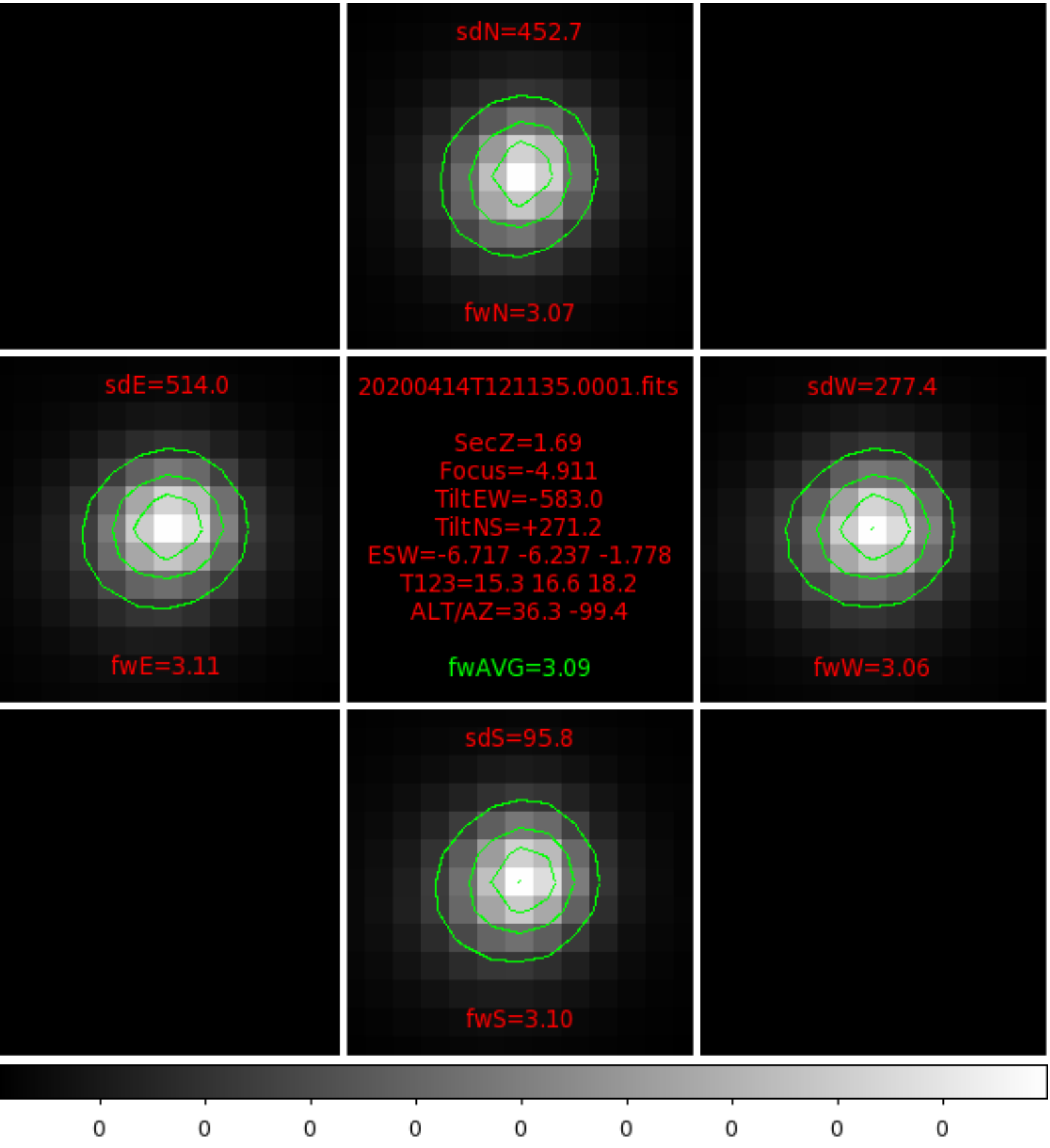
sdN=452.7
fwN=3.07
sdE=514.0
fwE=3.11
20200414T121135.0001.fits
SecZ=1.69
Focus=-4.911
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.717 -6.237 -1.778
T123=15.3 16.6 18.2
ALT/AZ=36.3 -99.4
fwAVG=3.09
sdW=277.4
fwW=3.06
sdS=95.8
fwS=3.10
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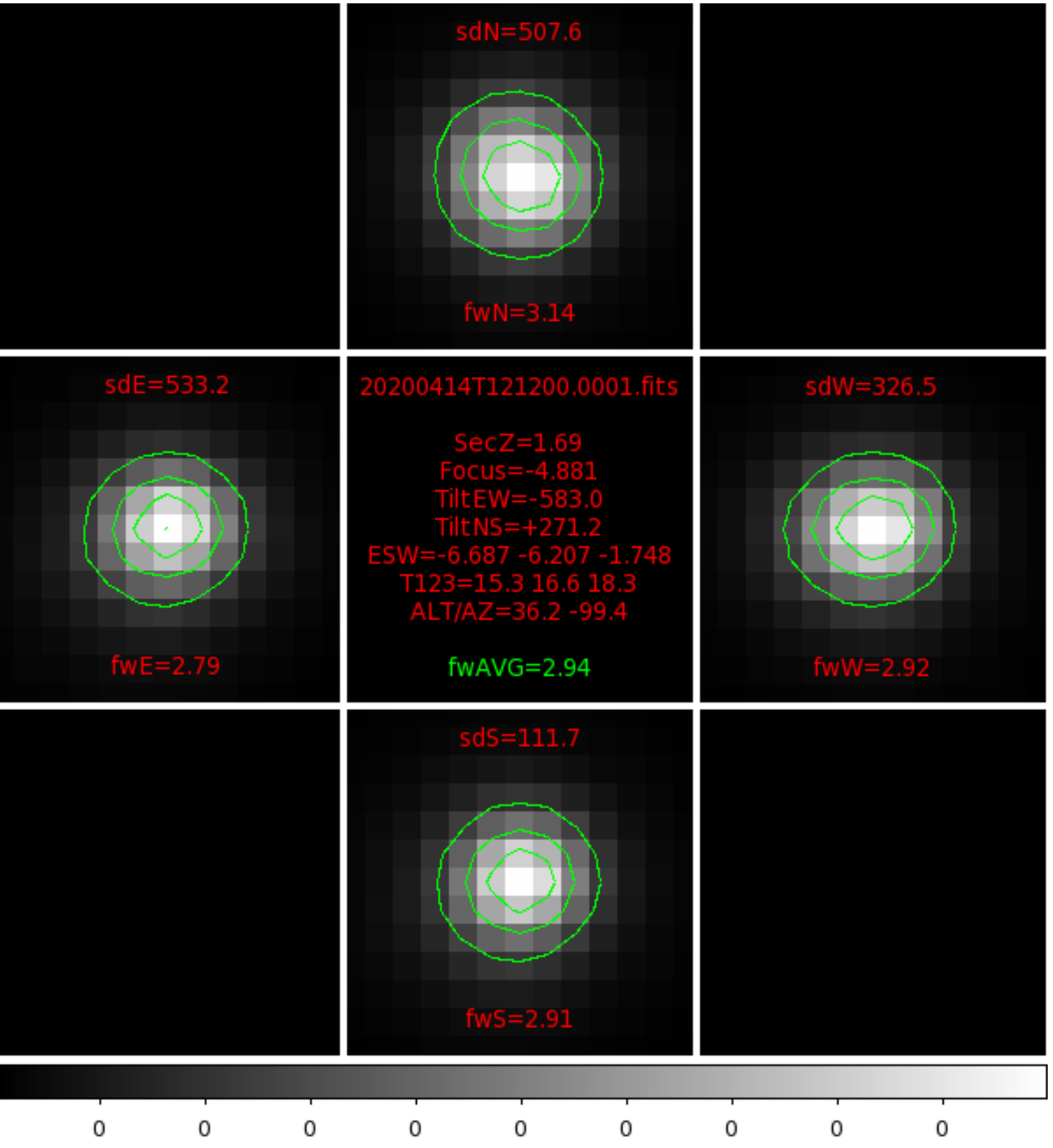
sdN=507.6
fwN=3.14
sdE=533.2
fwE=2.79
20200414T121200.0001.fits
SecZ=1.69
Focus=-4.881
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.687 -6.207 -1.748
T123=15.3 16.6 18.3
ALT/AZ=36.2 -99.4
fwAVG=2.94
sdW=326.5
fwW=2.92
sdS=111.7
fwS=2.91
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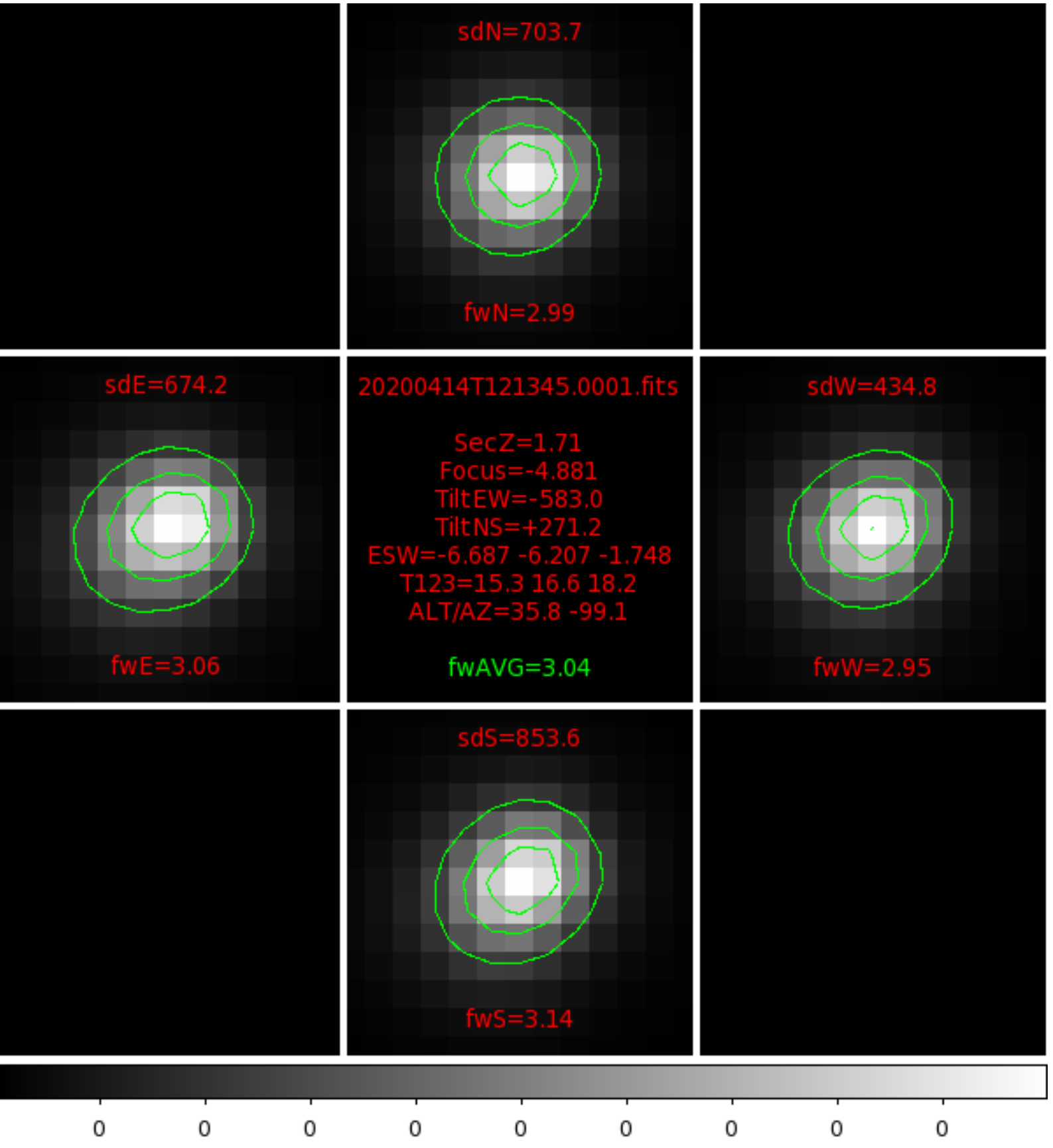
sdN=703.7
fwN=2.99
sdE=674.2
fwE=3.06
20200414T121345.0001.fits
SecZ=1.71
Focus=-4.881
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.687 -6.207 -1.748
T123=15.3 16.6 18.2
ALT/AZ=35.8 -99.1
fwAVG=3.04
sdW=434.8
fwW=2.95
sdS=853.6
fwS=3.14
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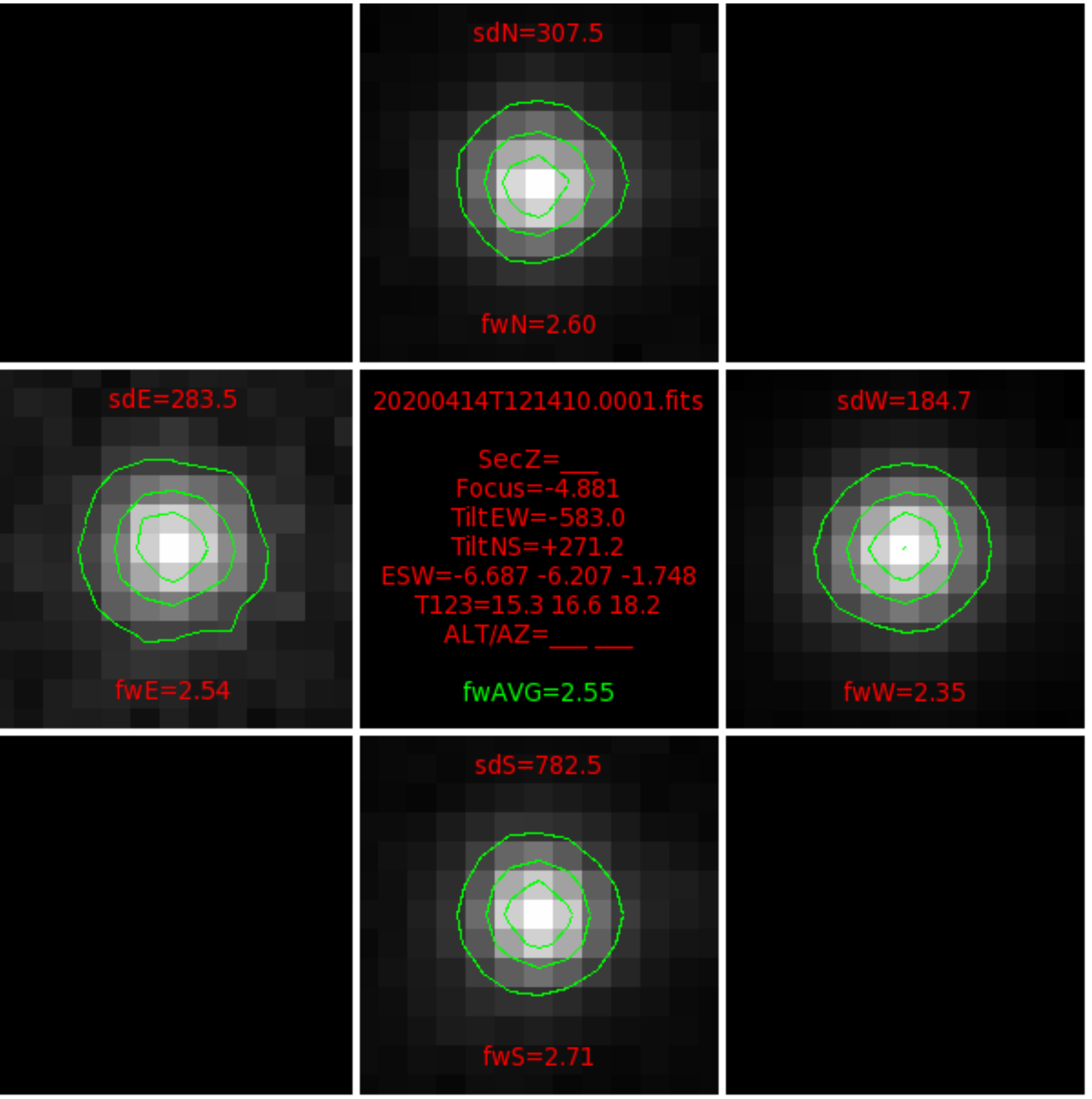
sdN=307.5
fwN=2.60
sdE=283.5
fwE=2.54
20200414T121410.0001.fits
SecZ=___
Focus=-4.881
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.687 -6.207 -1.748
T123=15.3 16.6 18.2
ALT/AZ=___ ___
fwAVG=2.55
sdW=184.7
fwW=2.35
sdS=782.5
fwS=2.71
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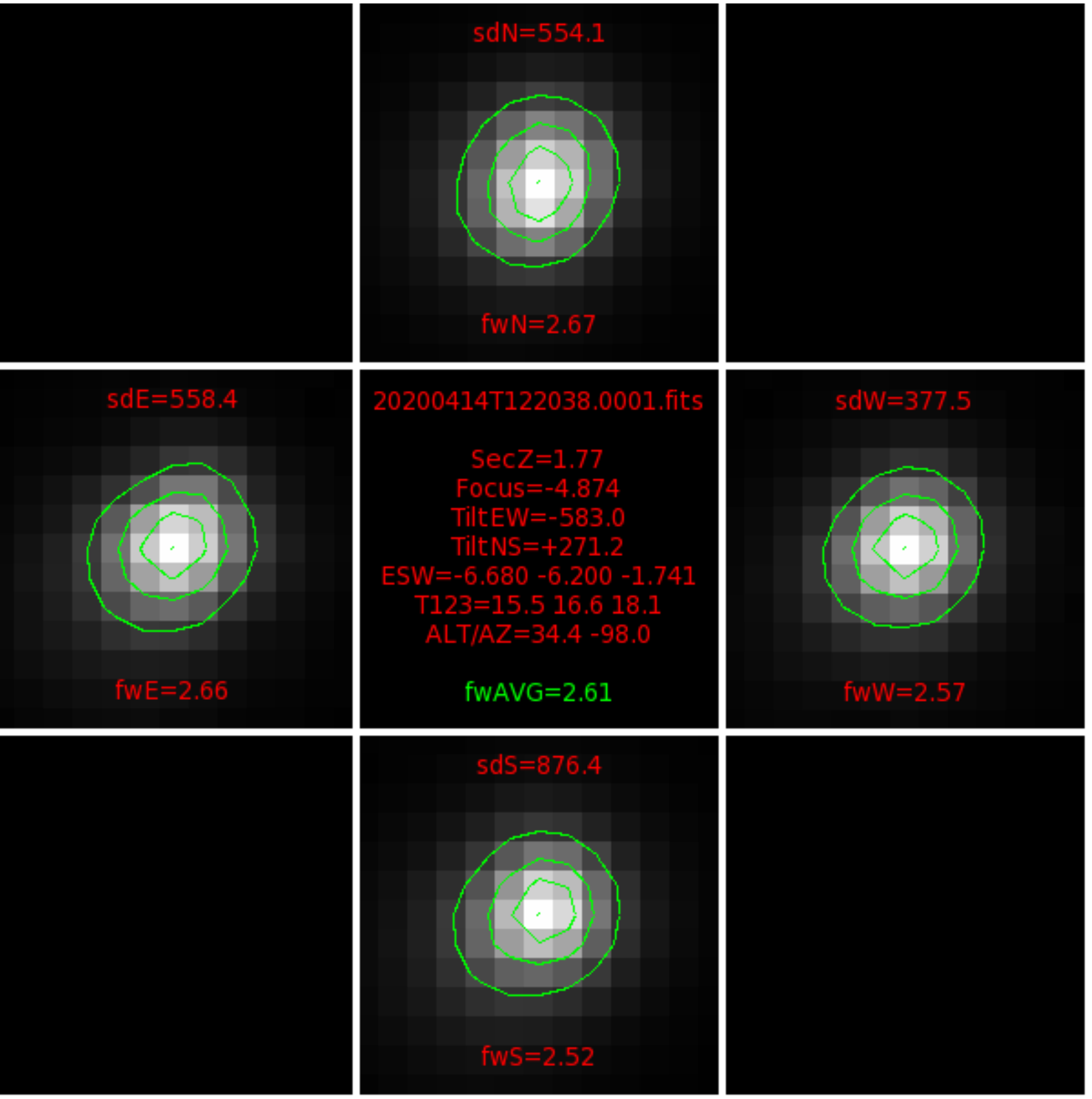
sdN=554.1
fwN=2.67
sdE=558.4
fwE=2.66
20200414T122038.0001.fits
SecZ=1.77
Focus=-4.874
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.680 -6.200 -1.741
T123=15.5 16.6 18.1
ALT/AZ=34.4 -98.0
fwAVG=2.61
sdW=377.5
fwW=2.57
sdS=876.4
fwS=2.52
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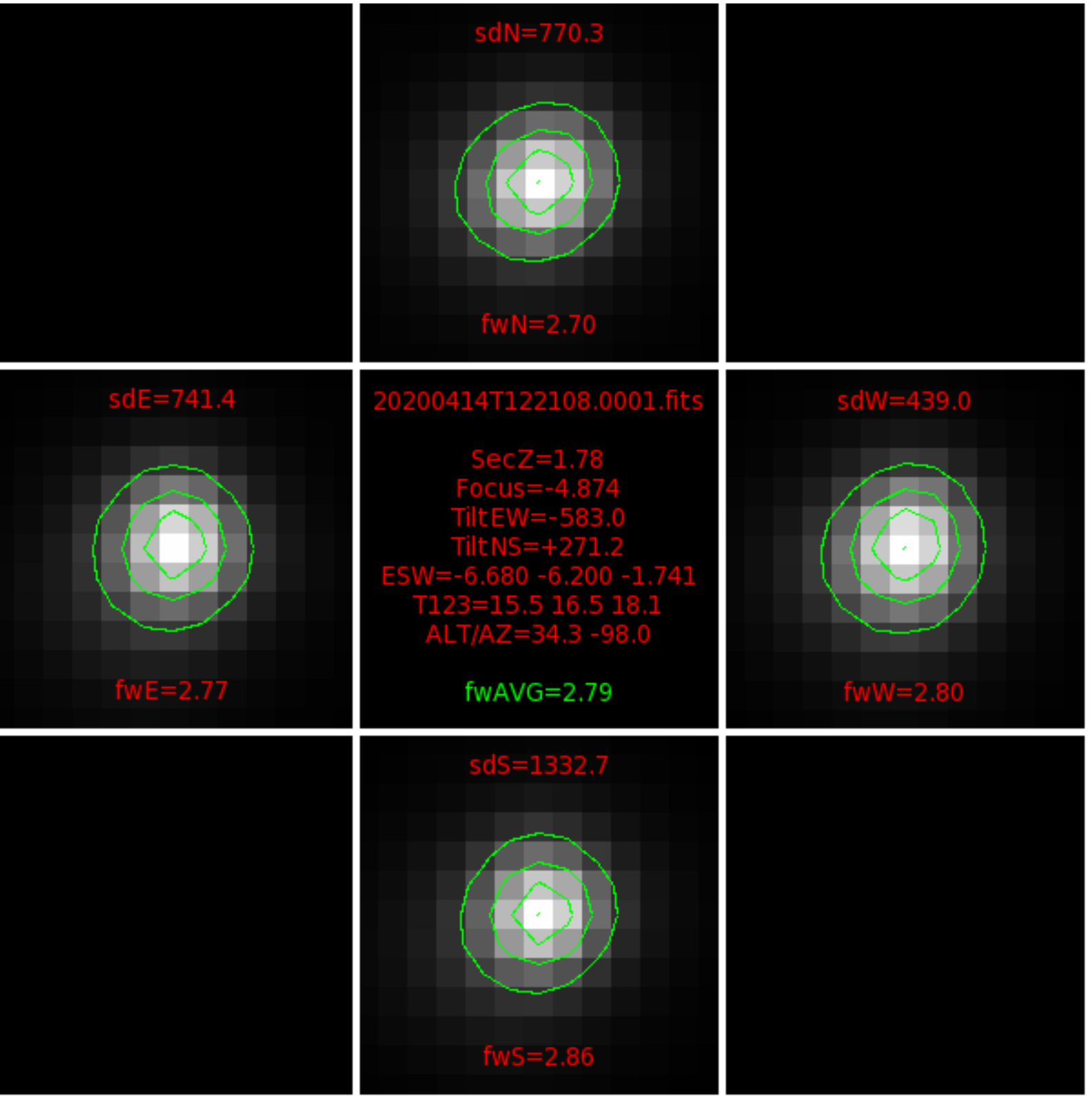
sdN=770.3
fwN=2.70
sdE=741.4
fwE=2.77
20200414T122108.0001.fits
SecZ=1.78
Focus=-4.874
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.680 -6.200 -1.741
T123=15.5 16.5 18.1
ALT/AZ=34.3 -98.0
fwAVG=2.79
sdW=439.0
fwW=2.80
sdS=1332.7
fwS=2.86
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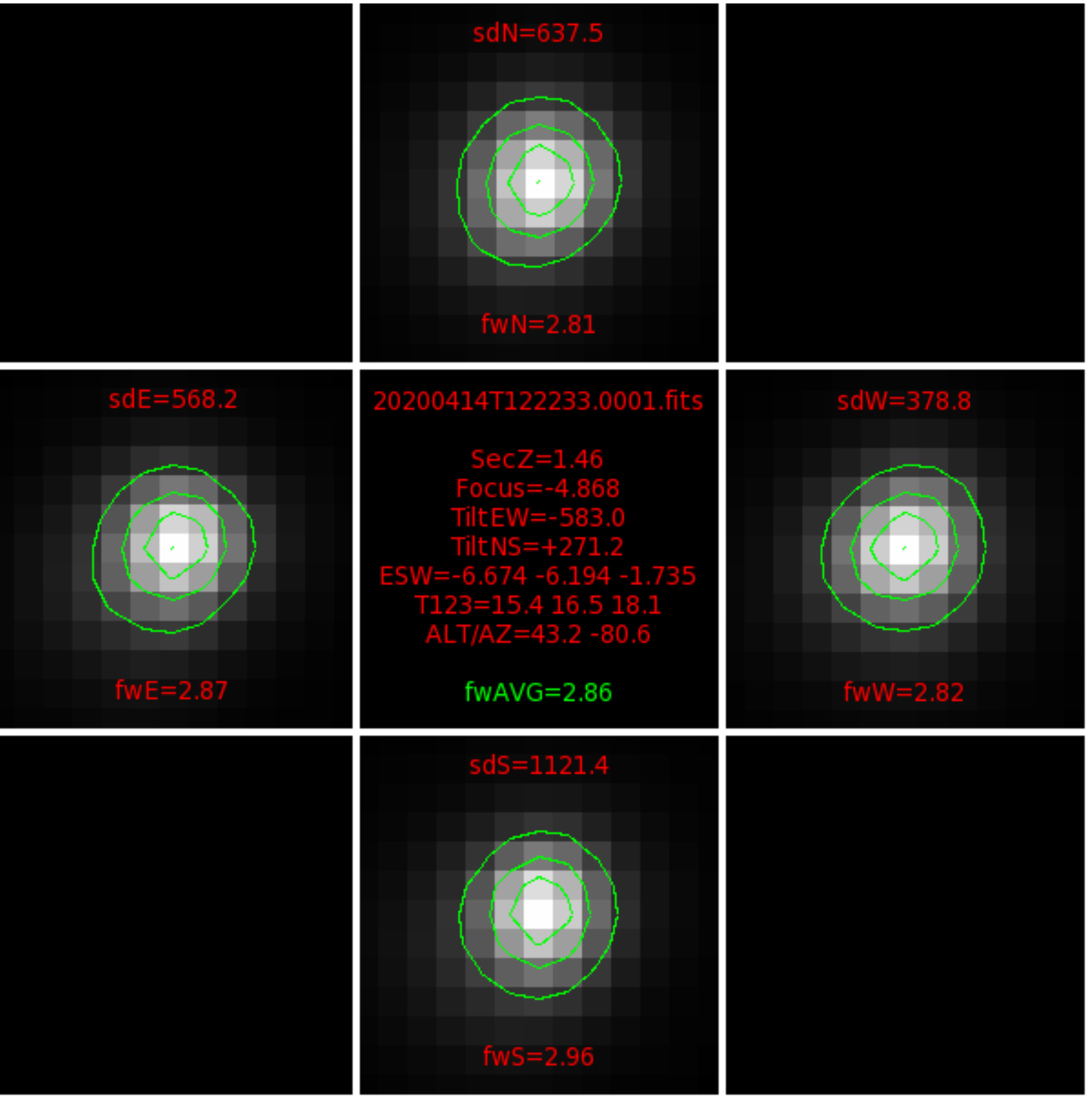
sdN=637.5
fwN=2.81
sdE=568.2
fwE=2.87
20200414T122233.0001.fits
SecZ=1.46
Focus=-4.868
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.674 -6.194 -1.735
T123=15.4 16.5 18.1
ALT/AZ=43.2 -80.6
fwAVG=2.86
sdW=378.8
fwW=2.82
sdS=1121.4
fwS=2.96
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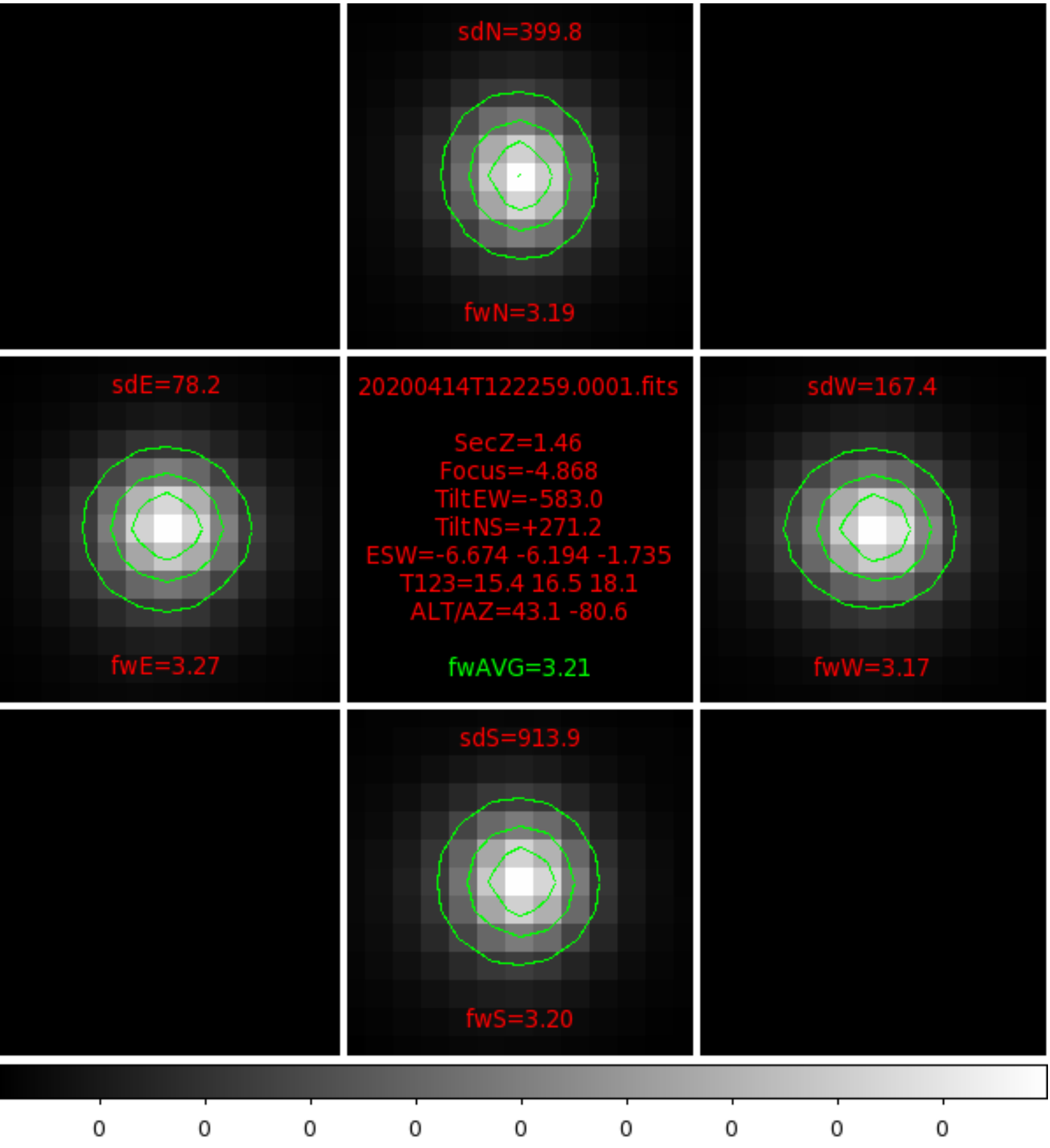
sdN=399.8
fwN=3.19
sdE=78.2
fwE=3.27
20200414T122259.0001.fits
SecZ=1.46
Focus=-4.868
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.674 -6.194 -1.735
T123=15.4 16.5 18.1
ALT/AZ=43.1 -80.6
fwAVG=3.21
sdW=167.4
fwW=3.17
sdS=913.9
fwS=3.20
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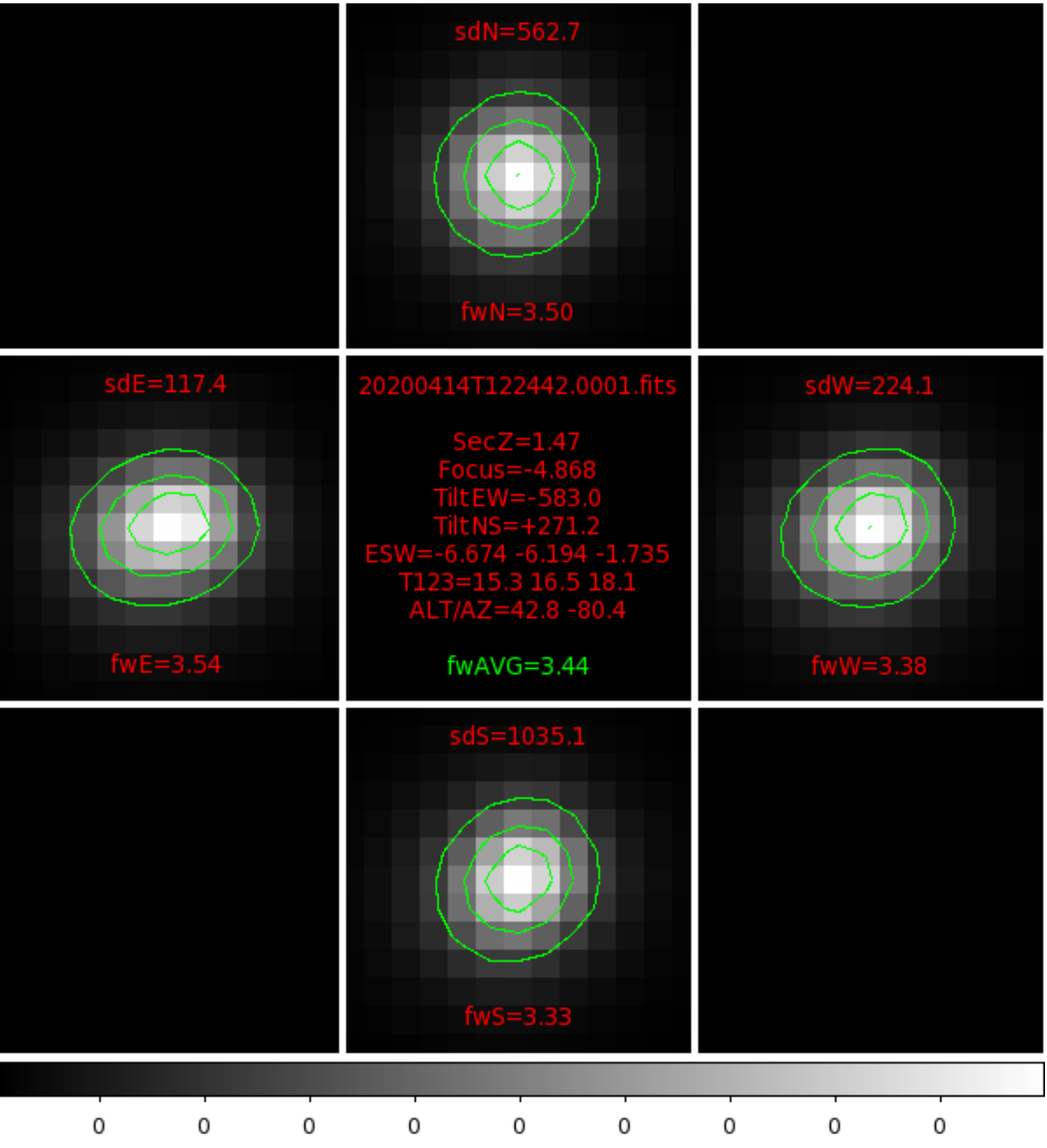
sdN=562.7
fwN=3.50
sdE=117.4
fwE=3.54
20200414T122442.0001.fits
SecZ=1.47
Focus=-4.868
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.674 -6.194 -1.735
T123=15.3 16.5 18.1
ALT/AZ=42.8 -80.4
fwAVG=3.44
sdW=224.1
fwW=3.38
sdS=1035.1
fwS=3.33
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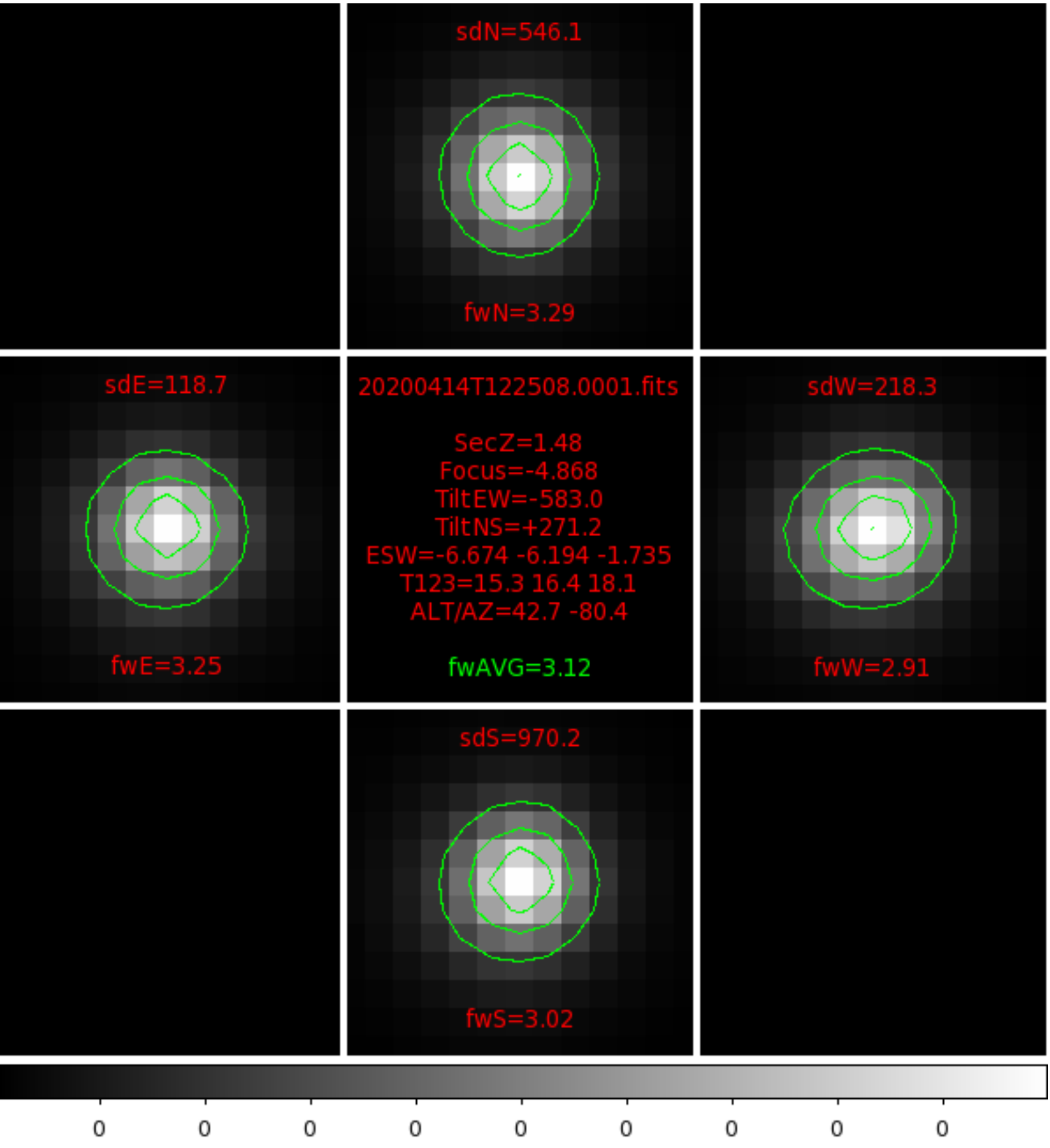
sdN=546.1
fwN=3.29
sdE=118.7
fwE=3.25
20200414T122508.0001.fits
SecZ=1.48
Focus=-4.868
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.674 -6.194 -1.735
T123=15.3 16.4 18.1
ALT/AZ=42.7 -80.4
fwAVG=3.12
sdW=218.3
fwW=2.91
sdS=970.2
fwS=3.02
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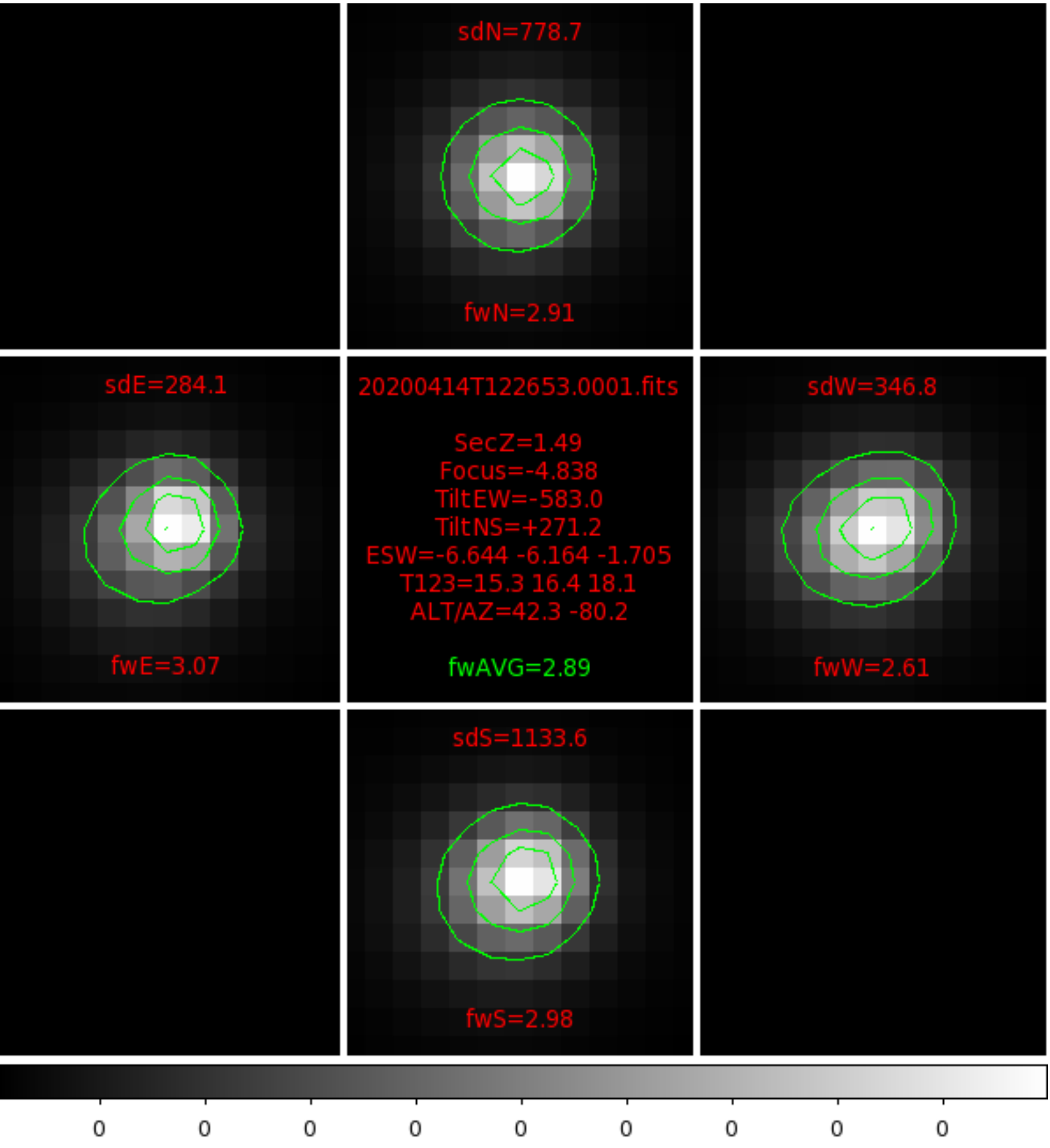
sdN=778.7
fwN=2.91
sdE=284.1
fwE=3.07
20200414T122653.0001.fits
SecZ=1.49
Focus=-4.838
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.644 -6.164 -1.705
T123=15.3 16.4 18.1
ALT/AZ=42.3 -80.2
fwAVG=2.89
sdW=346.8
fwW=2.61
sdS=1133.6
fwS=2.98
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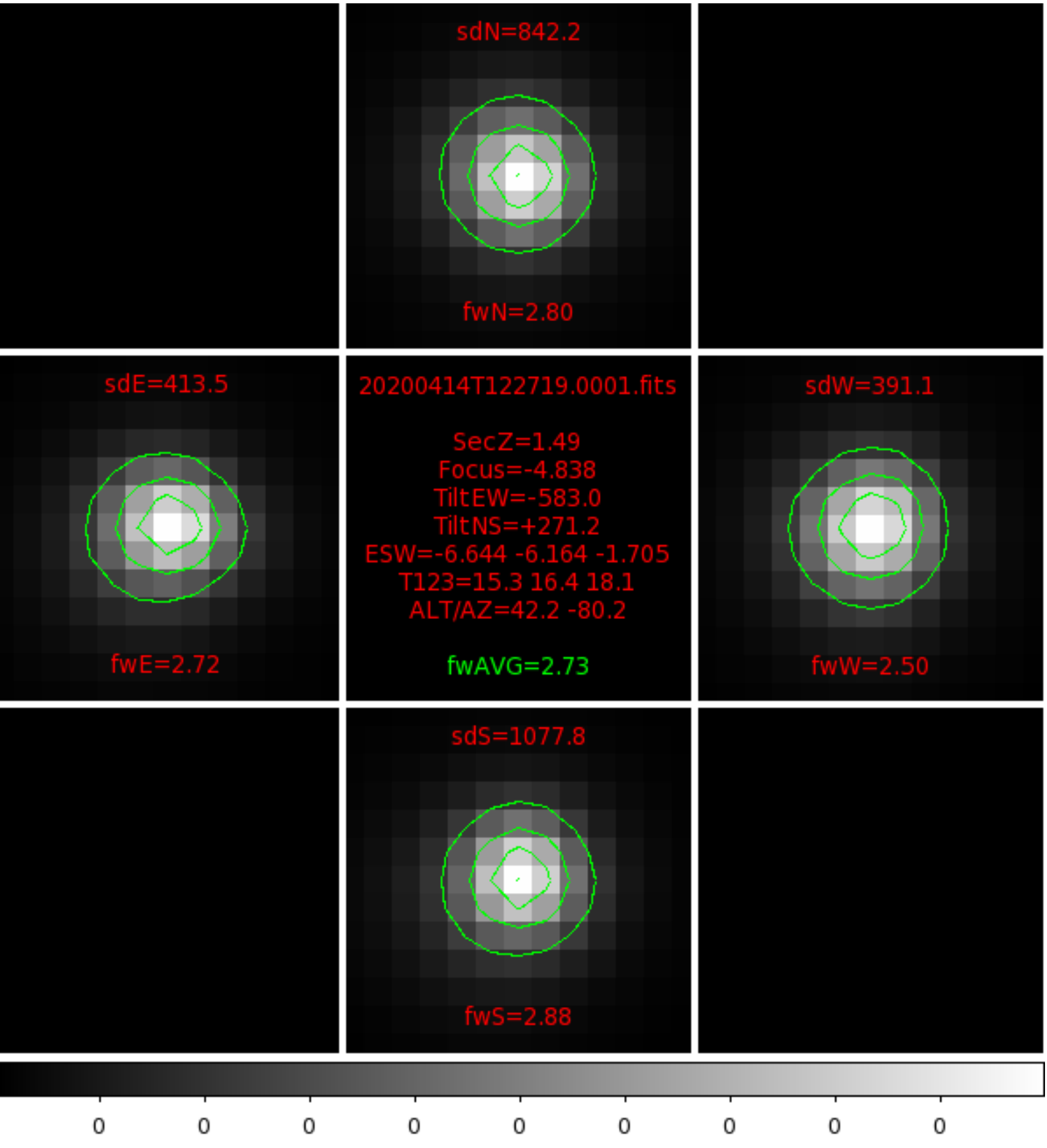
sdN=842.2
fwN=2.80
sdE=413.5
fwE=2.72
20200414T122719.0001.fits
SecZ=1.49
Focus=-4.838
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.644 -6.164 -1.705
T123=15.3 16.4 18.1
ALT/AZ=42.2 -80.2
fwAVG=2.73
sdW=391.1
fwW=2.50
sdS=1077.8
fwS=2.88
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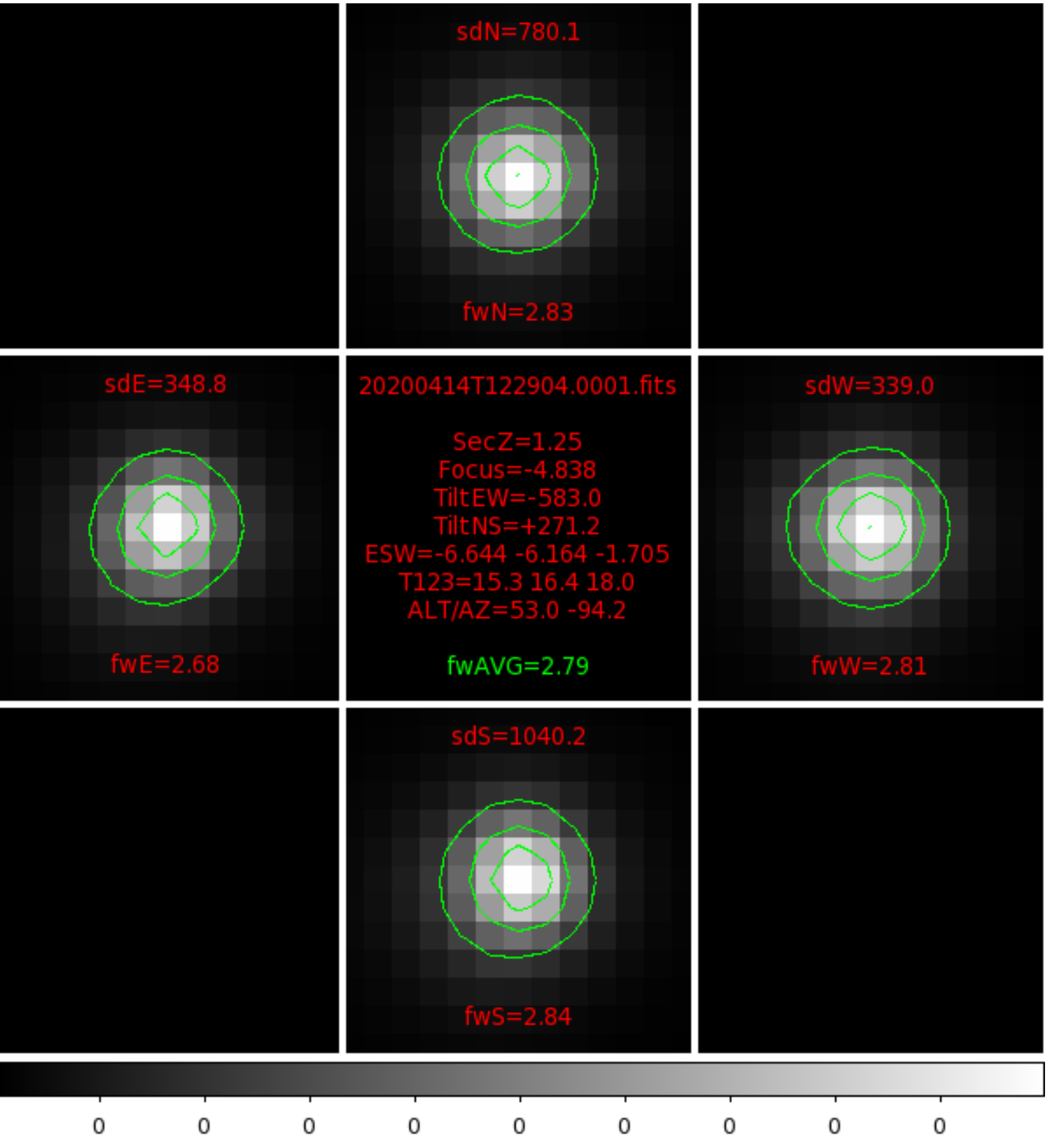
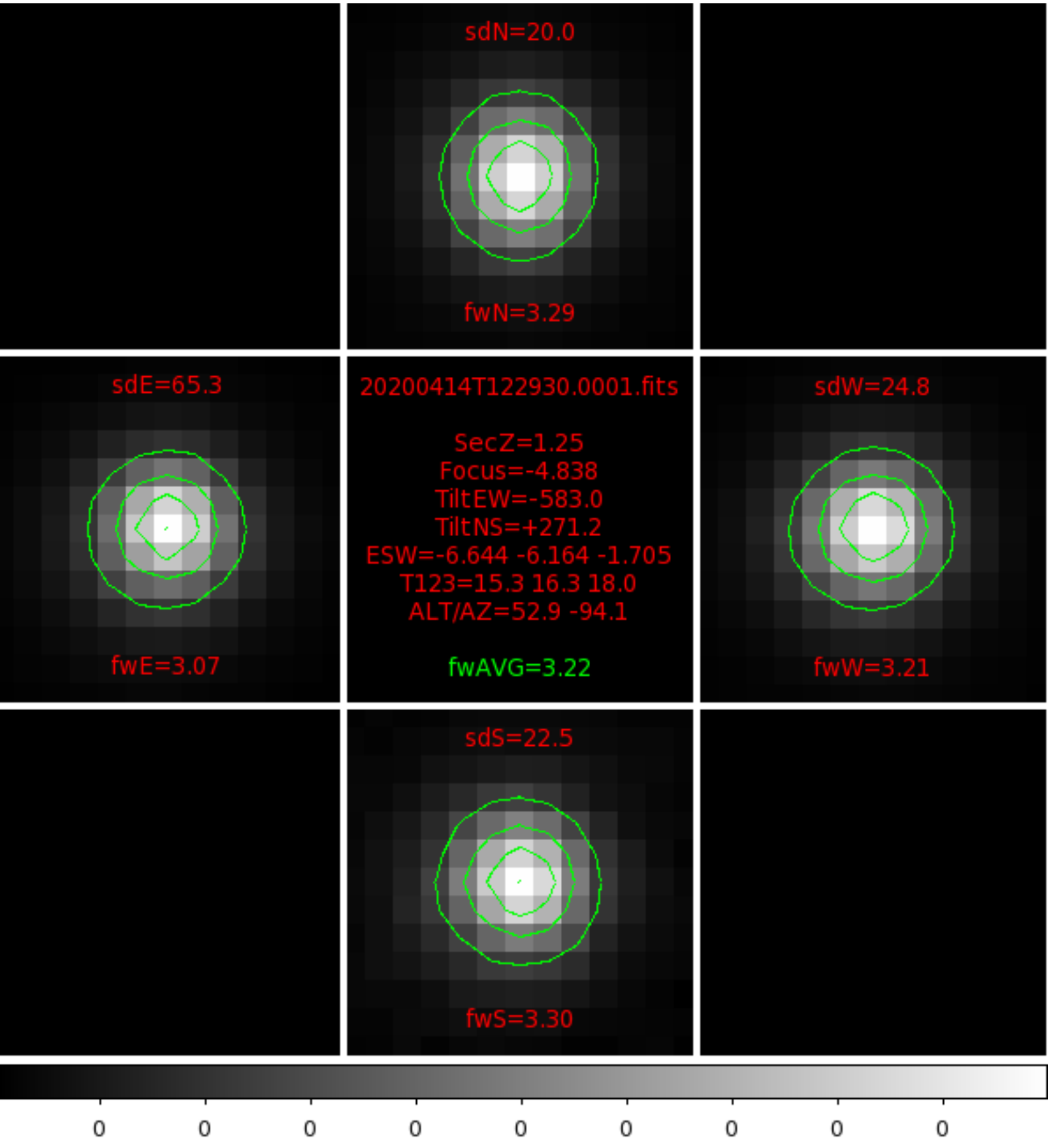

sdN=780.1
fwN=2.83
sdE=348.8
fwE=2.68
20200414T122904.0001.fits
SecZ=1.25
Focus=-4.838
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.644 -6.164 -1.705
T123=15.3 16.4 18.0
ALT/AZ=53.0 -94.2
fwAVG=2.79
sdW=339.0
fwW=2.81
sdS=1040.2
fwS=2.84
0 0 0 0 0 0 0 0 0


sdN=20.0
fwN=3.29
sdE=65.3
fwE=3.07
20200414T122930.0001.fits
SecZ=1.25
Focus=-4.838
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.644 -6.164 -1.705
T123=15.3 16.3 18.0
ALT/AZ=52.9 -94.1
fwAVG=3.22
sdW=24.8
fwW=3.21
sdS=22.5
fwS=3.30
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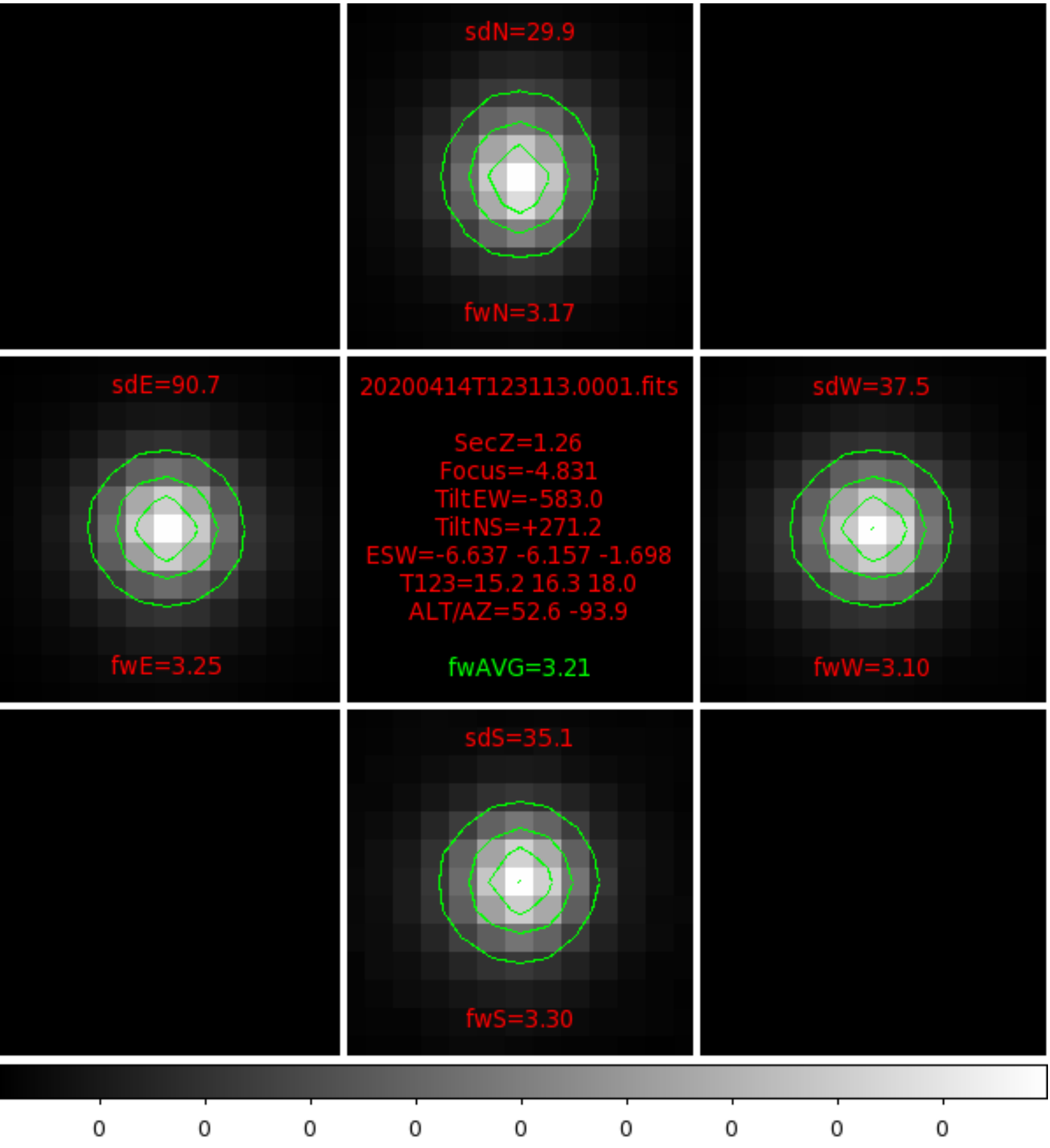
sdN=29.9
fwN=3.17
sdE=90.7
fwE=3.25
20200414T123113.0001.fits
SecZ=1.26
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=15.2 16.3 18.0
ALT/AZ=52.6 -93.9
fwAVG=3.21
sdW=37.5
fwW=3.10
sdS=35.1
fwS=3.30
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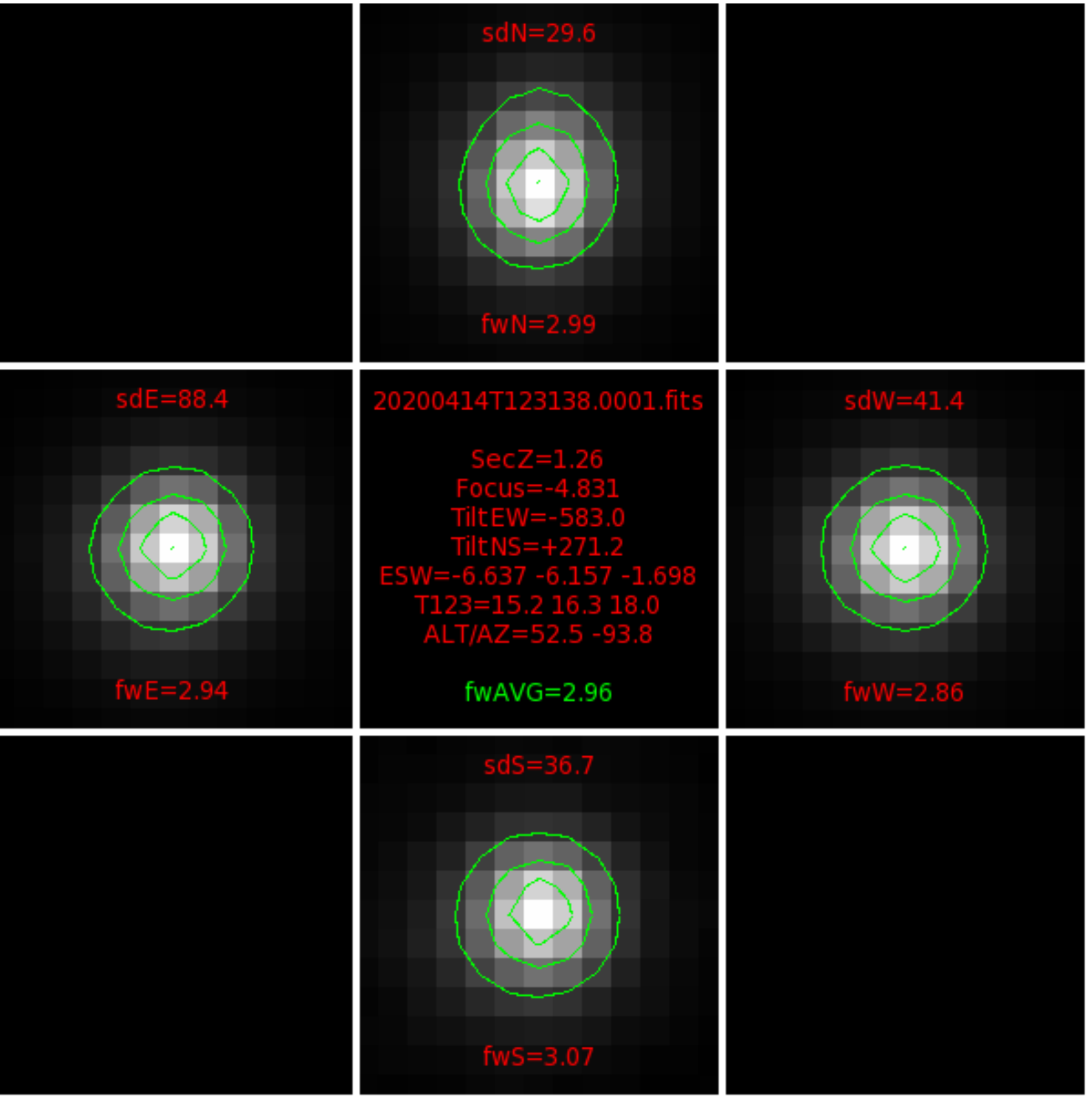
sdN=29.6
fwN=2.99
sdE=88.4
fwE=2.94
20200414T123138.0001.fits
SecZ=1.26
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=15.2 16.3 18.0
ALT/AZ=52.5 -93.8
fwAVG=2.96
sdW=41.4
fwW=2.86
sdS=36.7
fwS=3.07
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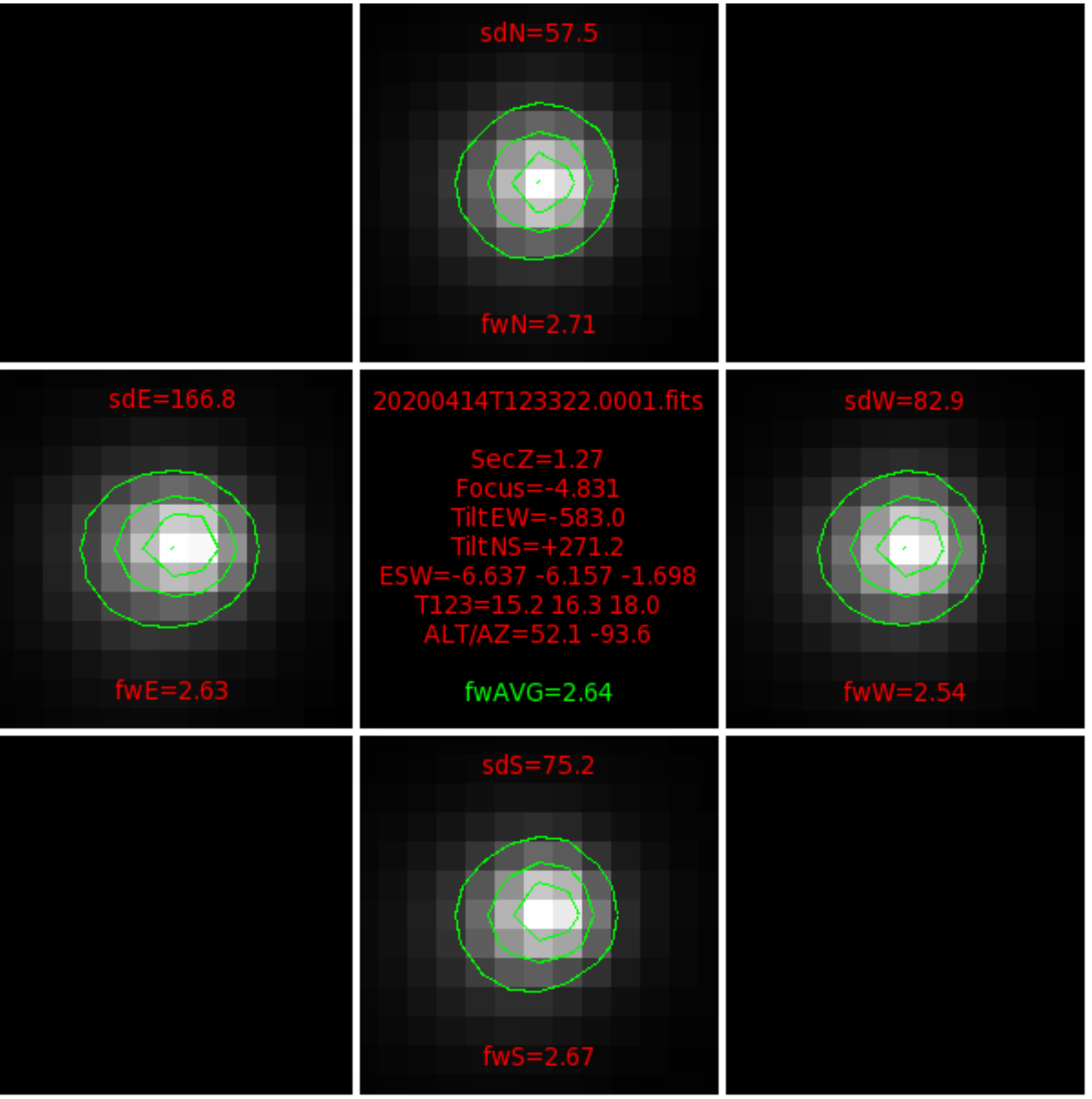
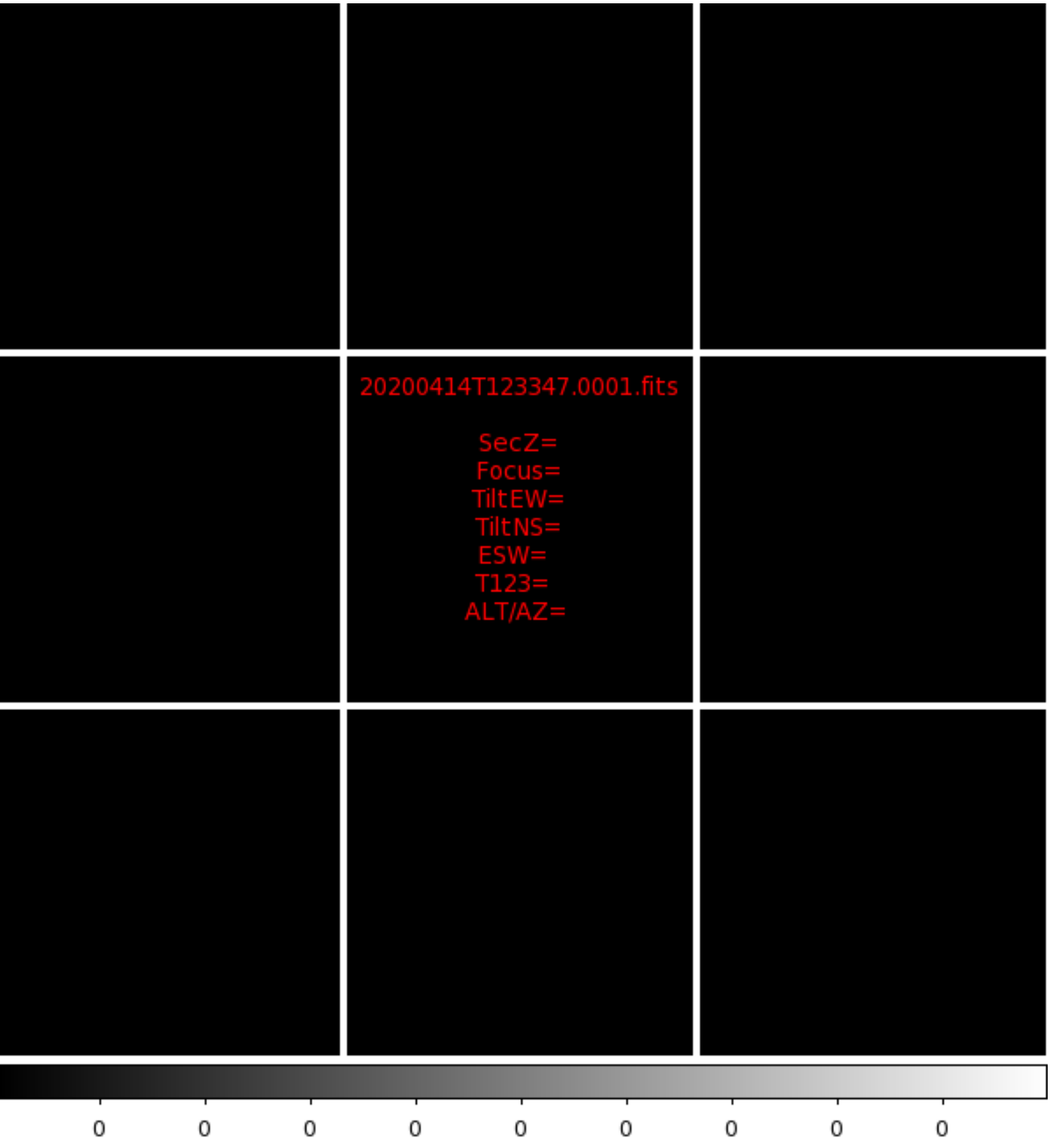
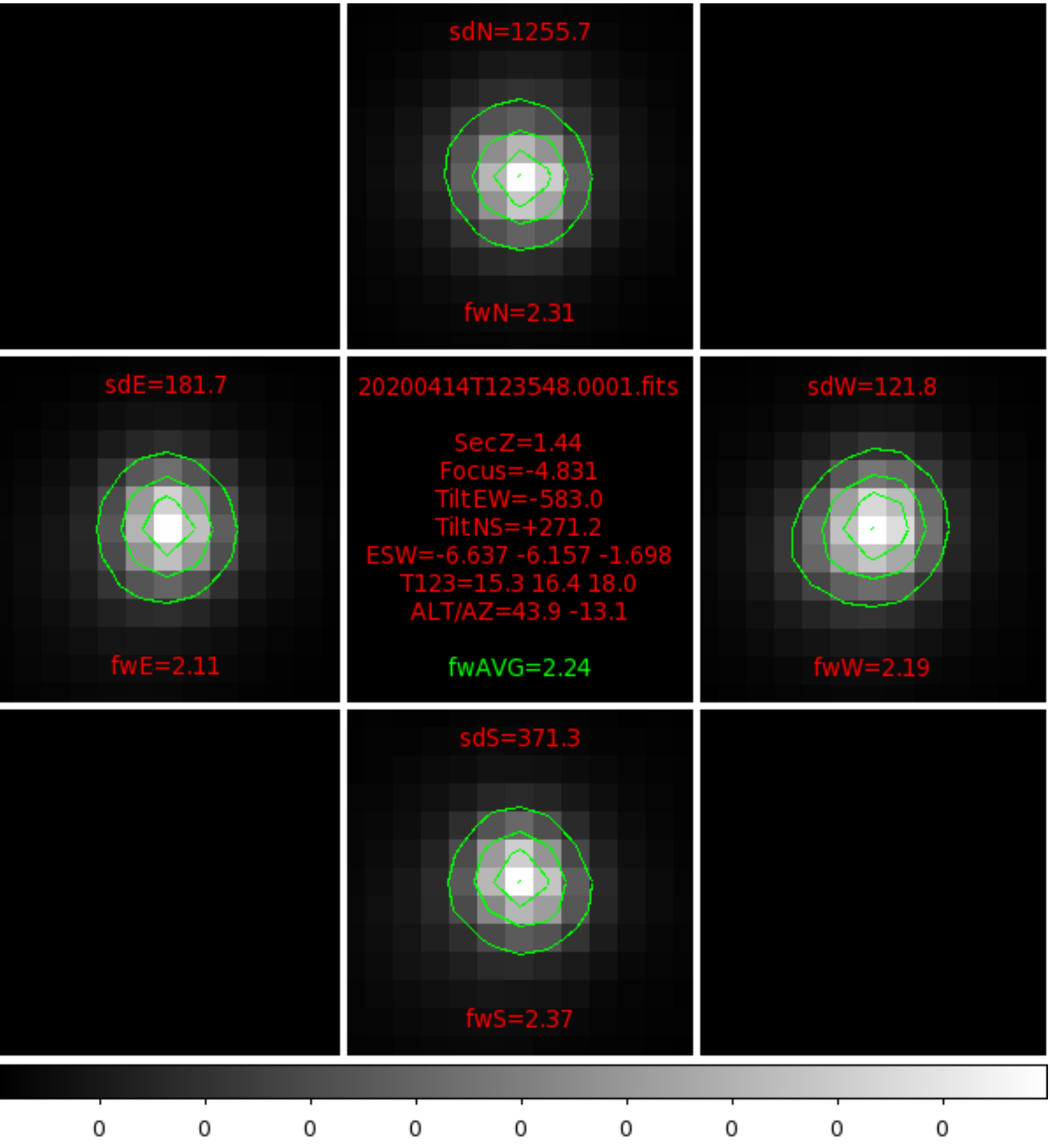

sdN=57.5
fwN=2.71
sdE=166.8
fwE=2.63
20200414T123322.0001.fits
SecZ=1.27
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=15.2 16.3 18.0
ALT/AZ=52.1 -93.6
fwAVG=2.64
sdW=82.9
fwW=2.54
sdS=75.2
fwS=2.67
0 0 0 0 0 0 0 0 0


20200414T123347.0001.fits
SecZ=
Focus=
TiltEW=
TiltNS=
ESW=
T123=
ALT/AZ=
0
0
0
0
0
0
0
0
0


sdN=1255.7
fwN=2.31
sdE=181.7
fwE=2.11
20200414T123548.0001.fits
SecZ=1.44
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=15.3 16.4 18.0
ALT/AZ=43.9 -13.1
fwAVG=2.24
sdW=121.8
fwW=2.19
sdS=371.3
fwS=2.37
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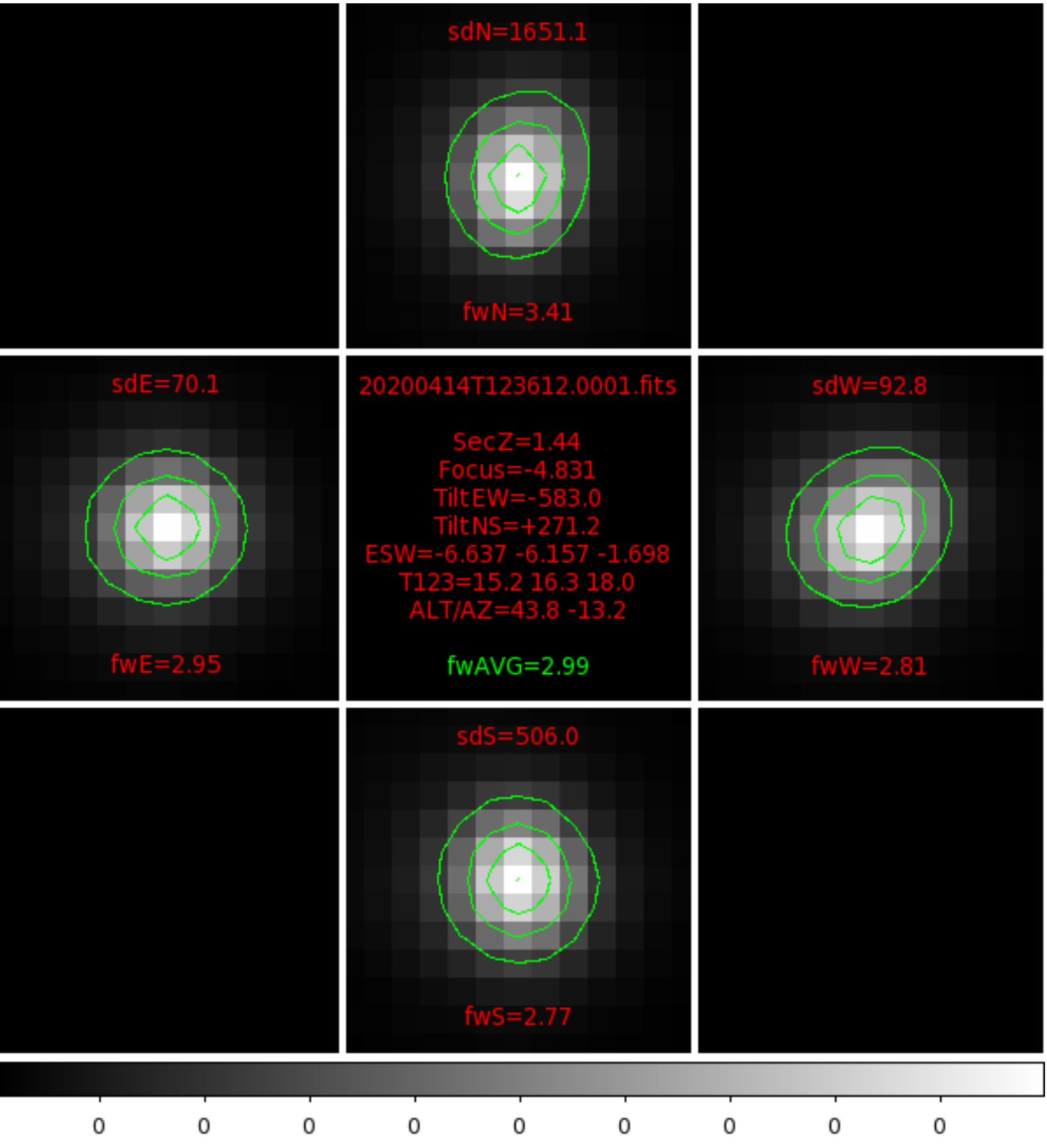
sdN=1651.1
fwN=3.41
sdE=70.1
fwE=2.95
20200414T123612.0001.fits
SecZ=1.44
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=15.2 16.3 18.0
ALT/AZ=43.8 -13.2
fwAVG=2.99
sdW=92.8
fwW=2.81
sdS=506.0
fwS=2.77
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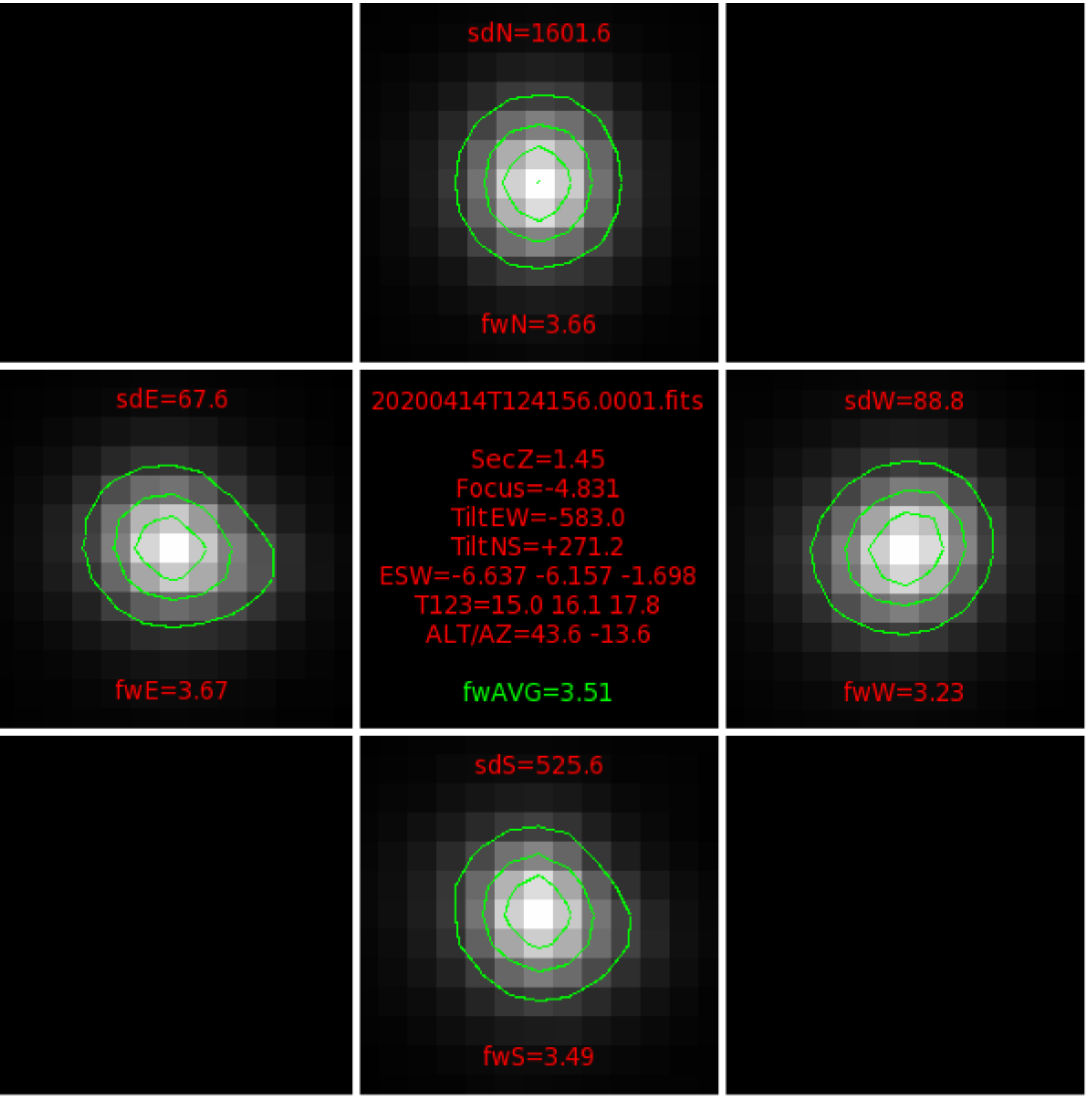
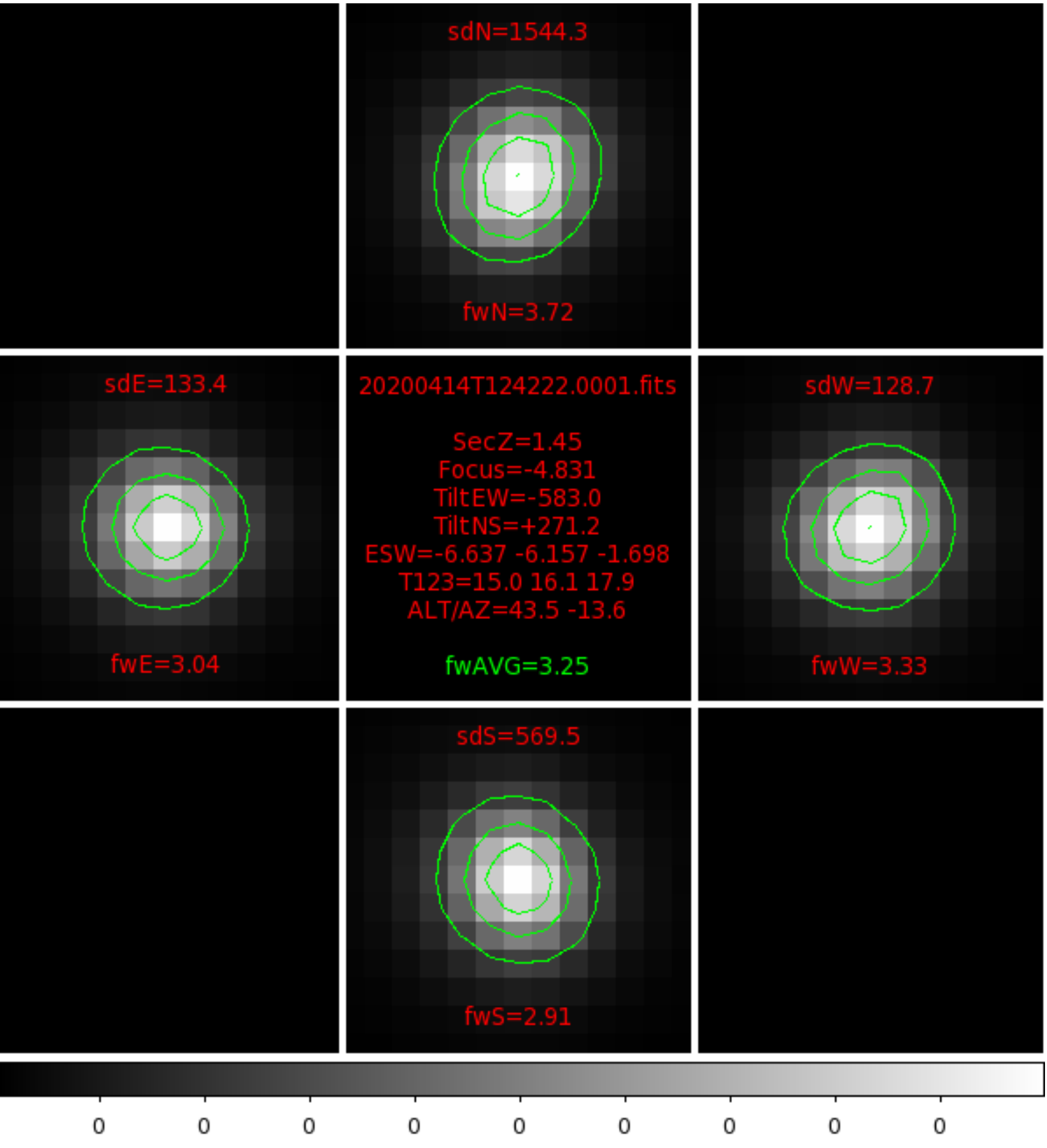

sdN=1601.6
fwN=3.66
sdE=67.6
fwE=3.67
20200414T124156.0001.fits
SecZ=1.45
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=15.0 16.1 17.8
ALT/AZ=43.6 -13.6
fwAVG=3.51
sdW=88.8
fwW=3.23
sdS=525.6
fwS=3.49
0 0 0 0 0 0 0 0 0


sdN=1544.3
fwN=3.72
sdE=133.4
fwE=3.04
20200414T124222.0001.fits
SecZ=1.45
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=15.0 16.1 17.9
ALT/AZ=43.5 -13.6
fwAVG=3.25
sdW=128.7
fwW=3.33
sdS=569.5
fwS=2.91
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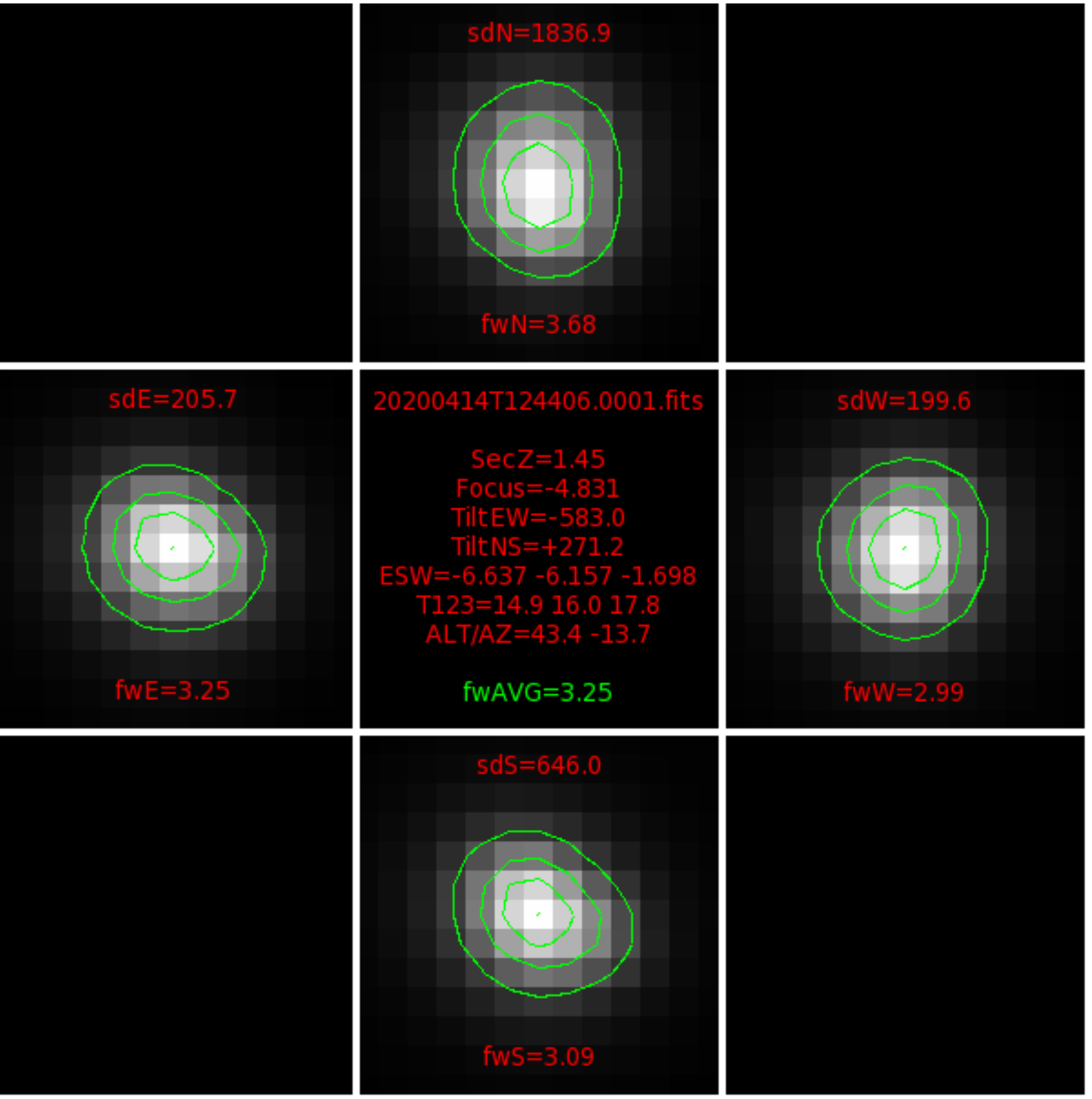
sdN=1836.9
fwN=3.68
sdE=205.7
fwE=3.25
20200414T124406.0001.fits
SecZ=1.45
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=14.9 16.0 17.8
ALT/AZ=43.4 -13.7
fwAVG=3.25
sdW=199.6
fwW=2.99
sdS=646.0
fwS=3.09
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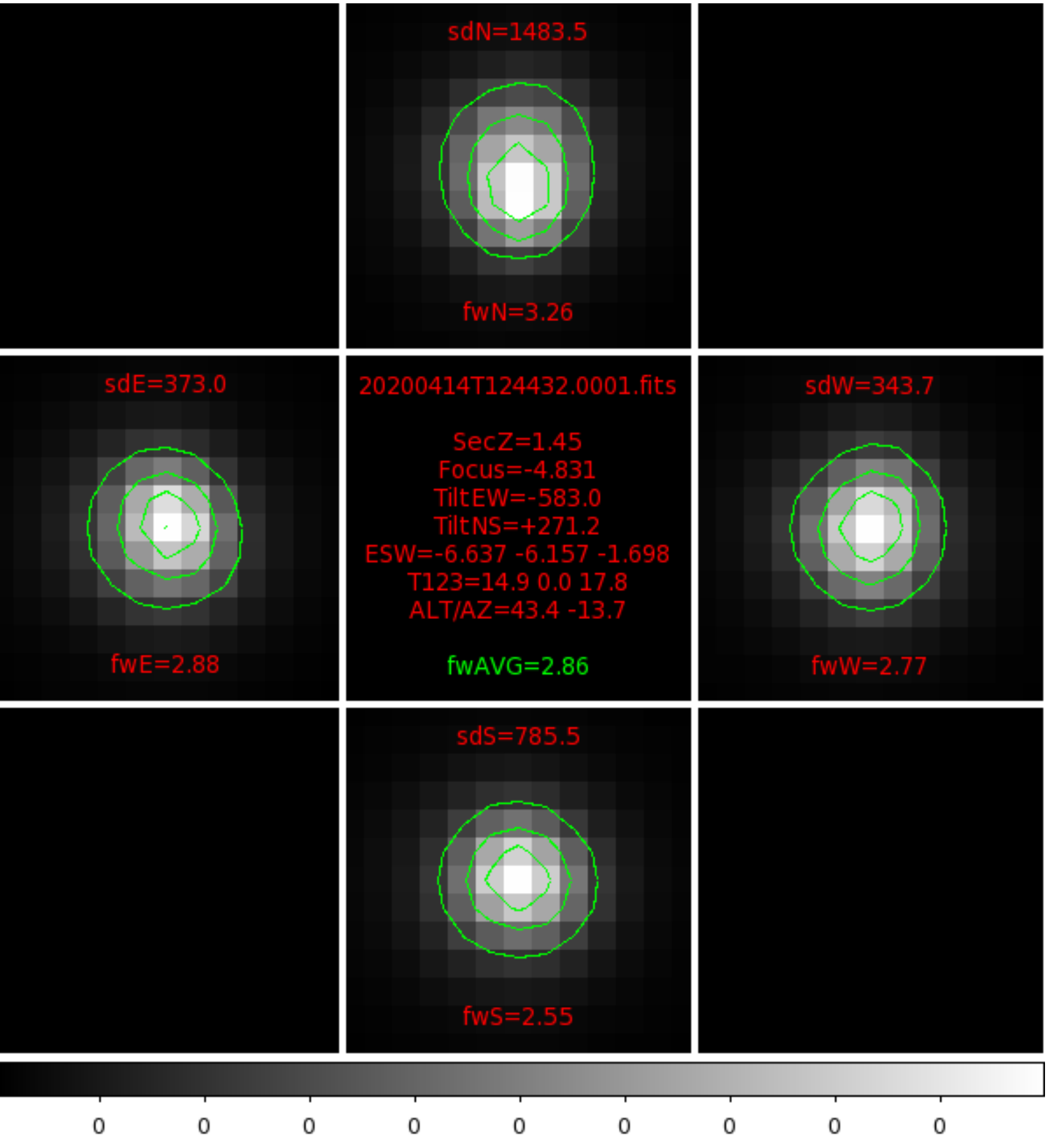
sdN=1483.5
fwN=3.26
sdE=373.0
fwE=2.88
20200414T124432.0001.fits
SecZ=1.45
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=14.9 0.0 17.8
ALT/AZ=43.4 -13.7
fwAVG=2.86
sdW=343.7
fwW=2.77
sdS=785.5
fwS=2.55
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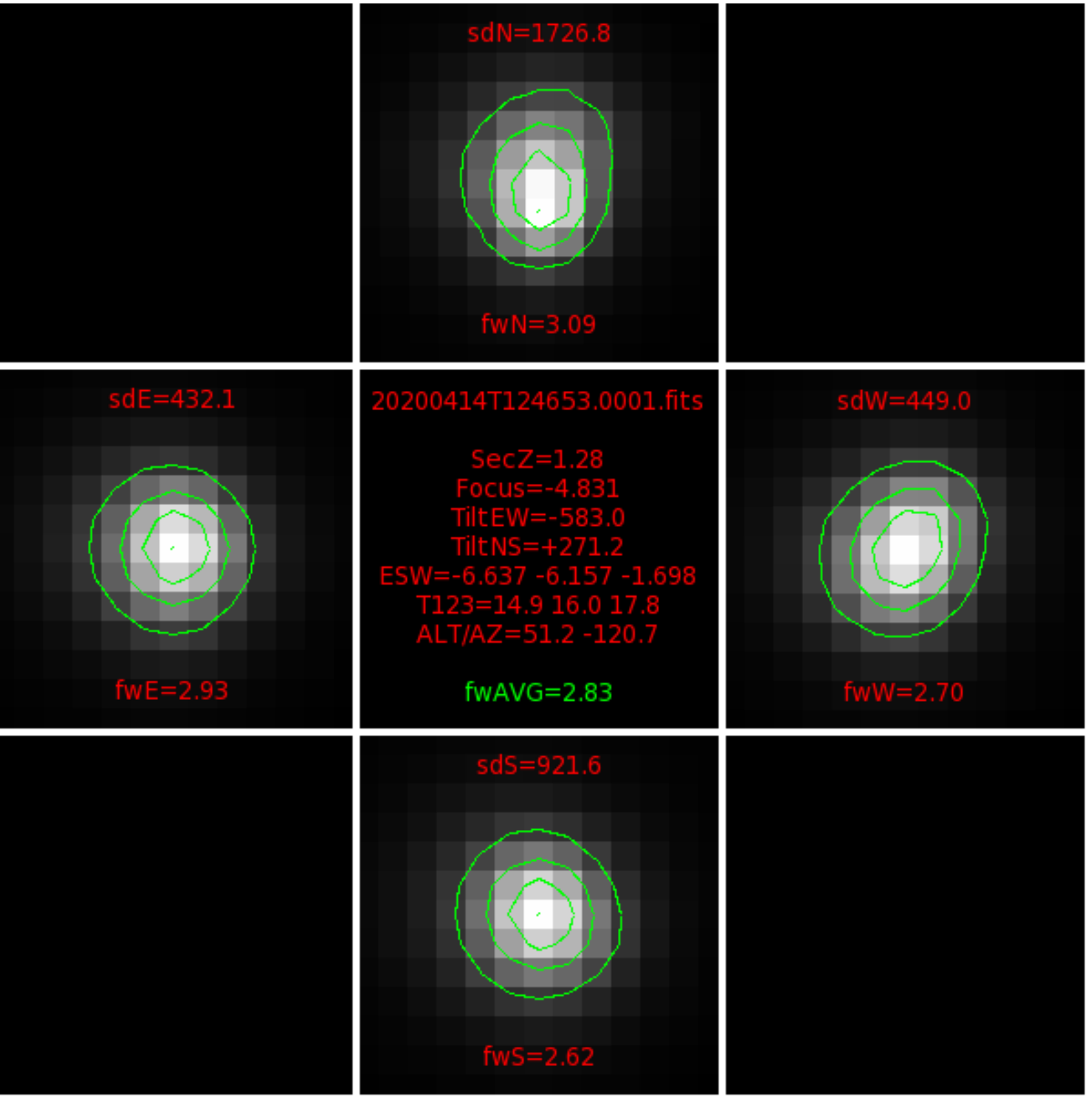
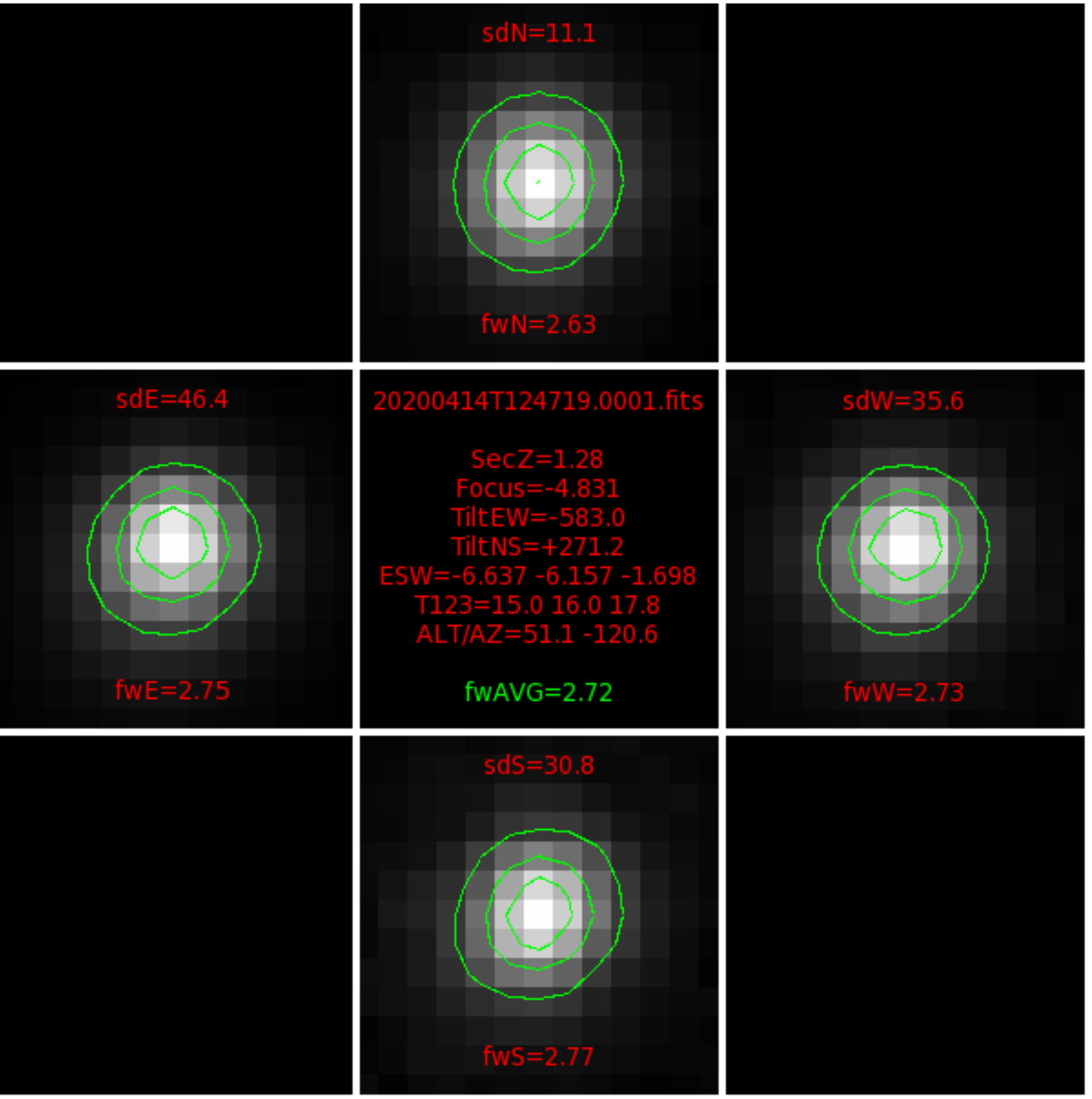
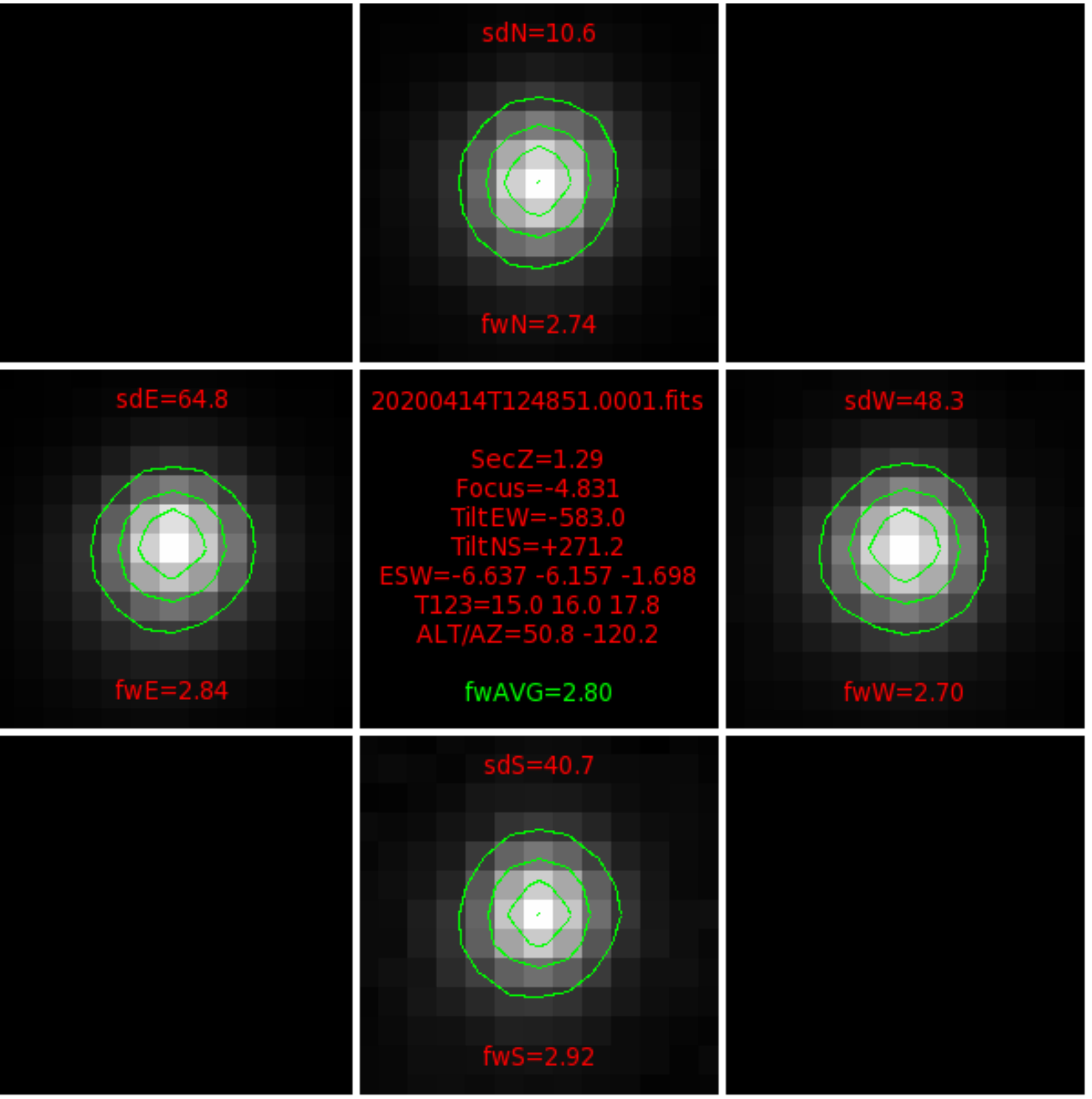

sdN=1726.8
fwN=3.09
sdE=432.1
fwE=2.93
20200414T124653.0001.fits
SecZ=1.28
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=14.9 16.0 17.8
ALT/AZ=51.2 -120.7
fwAVG=2.83
sdW=449.0
fwW=2.70
sdS=921.6
fwS=2.62
0 0 0 0 0 0 0 0 0


sdN=11.1
fwN=2.63
sdE=46.4
fwE=2.75
20200414T124719.0001.fits
SecZ=1.28
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=15.0 16.0 17.8
ALT/AZ=51.1 -120.6
fwAVG=2.72
sdW=35.6
fwW=2.73
sdS=30.8
fwS=2.77
0 0 0 0 0 0 0 0 0


sdN=10.6
fwN=2.74
sdE=64.8
fwE=2.84
20200414T124851.0001.fits
SecZ=1.29
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=15.0 16.0 17.8
ALT/AZ=50.8 -120.2
fwAVG=2.80
sdW=48.3
fwW=2.70
sdS=40.7
fwS=2.92
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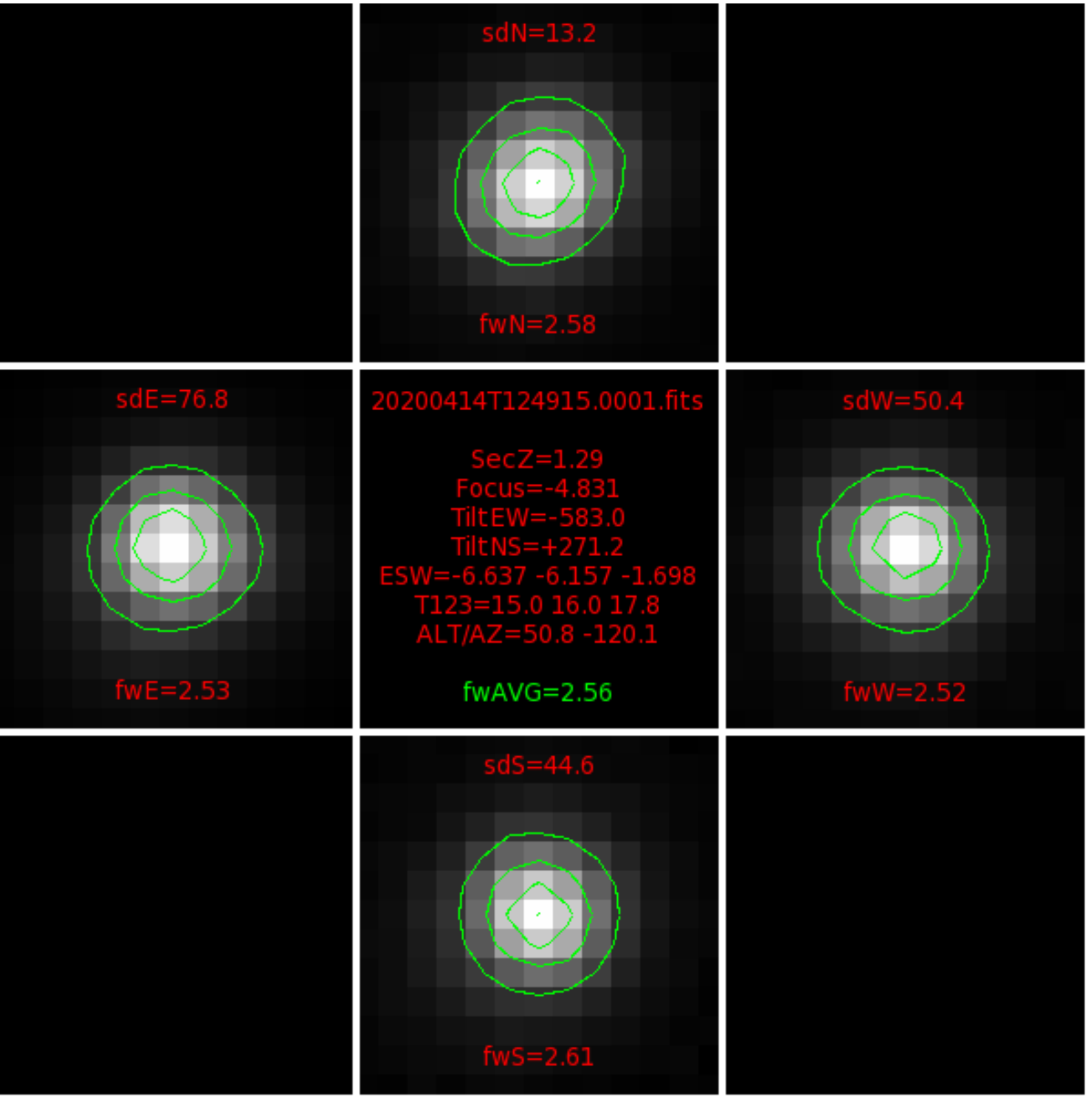
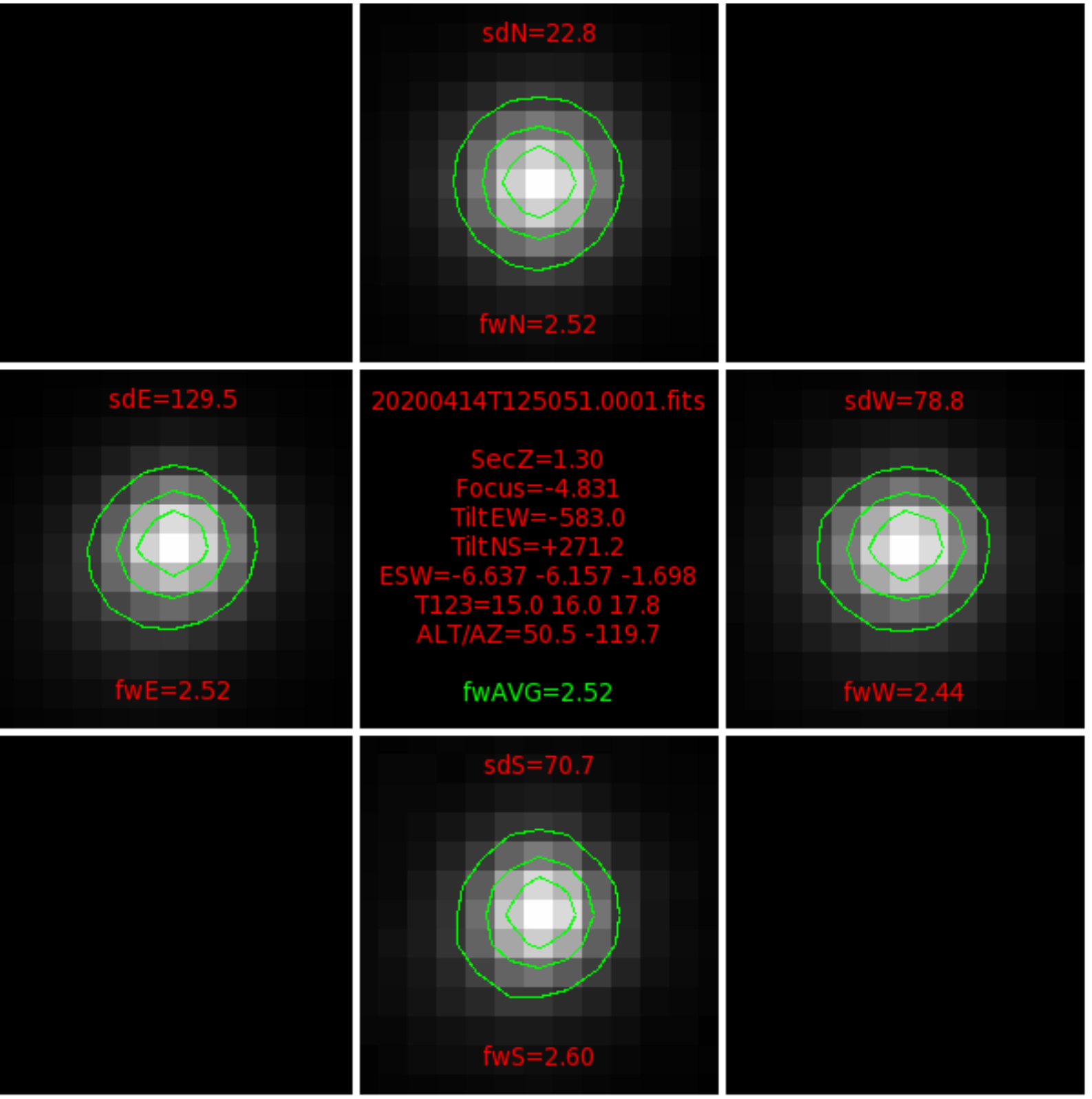
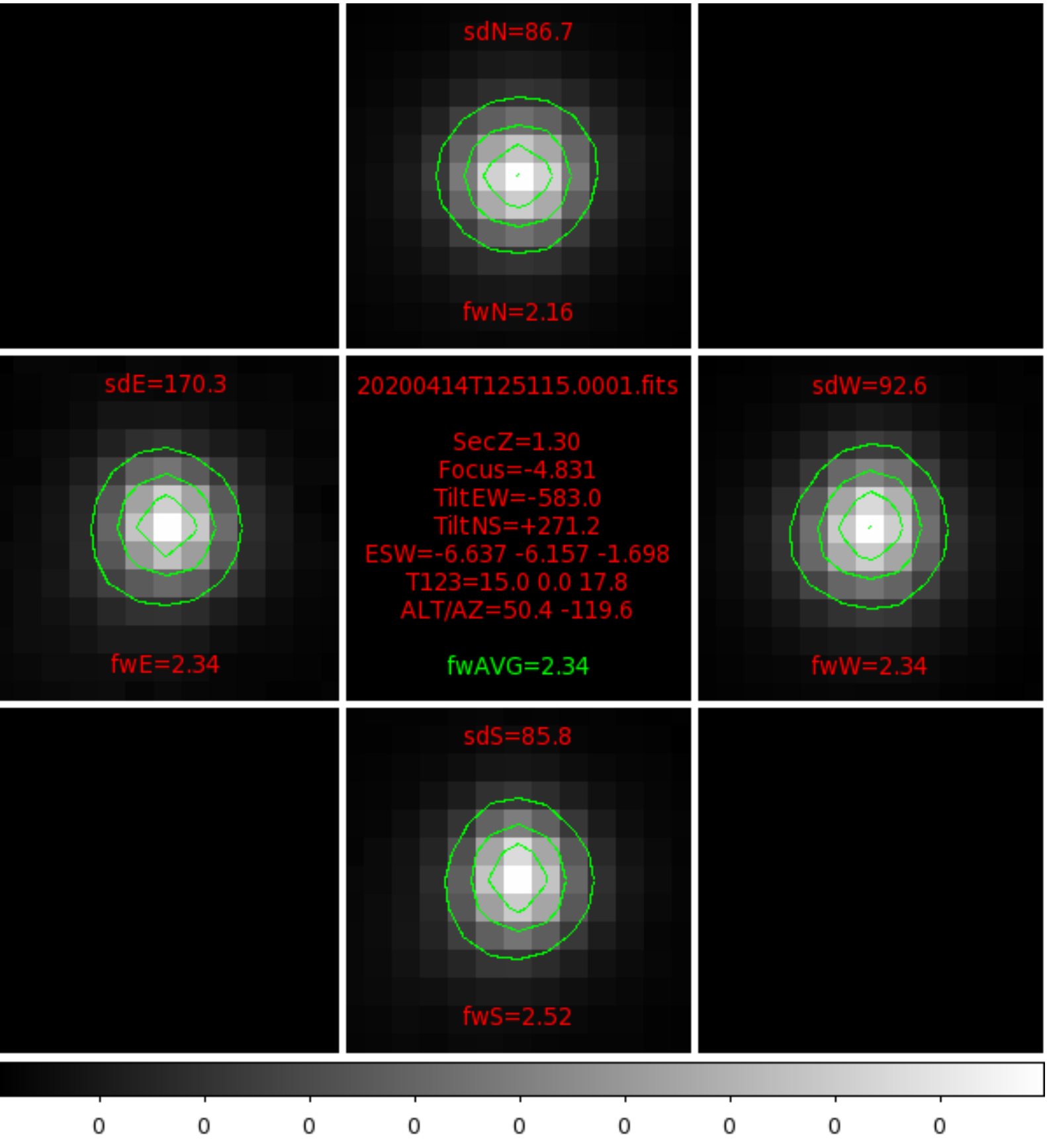
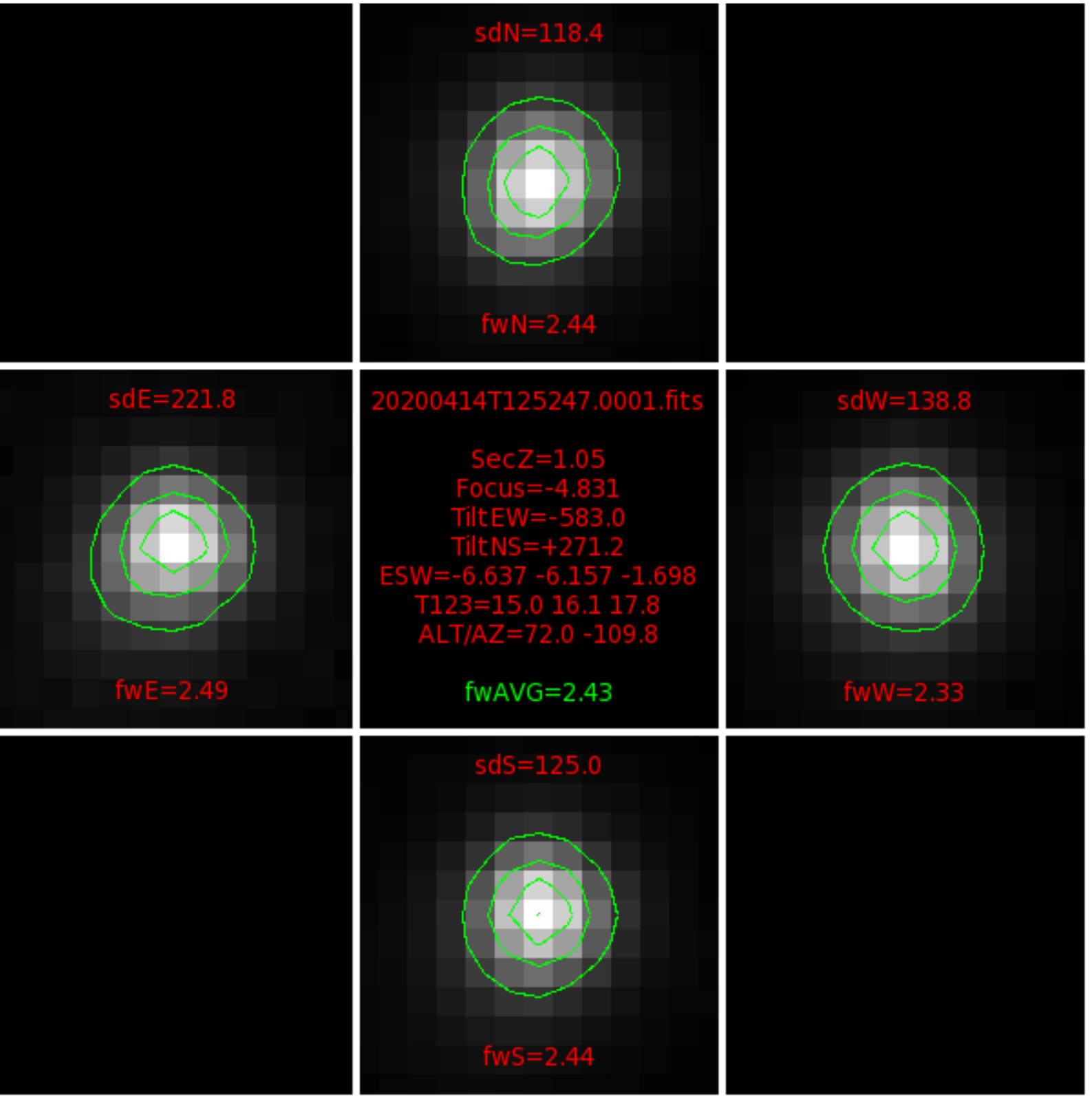
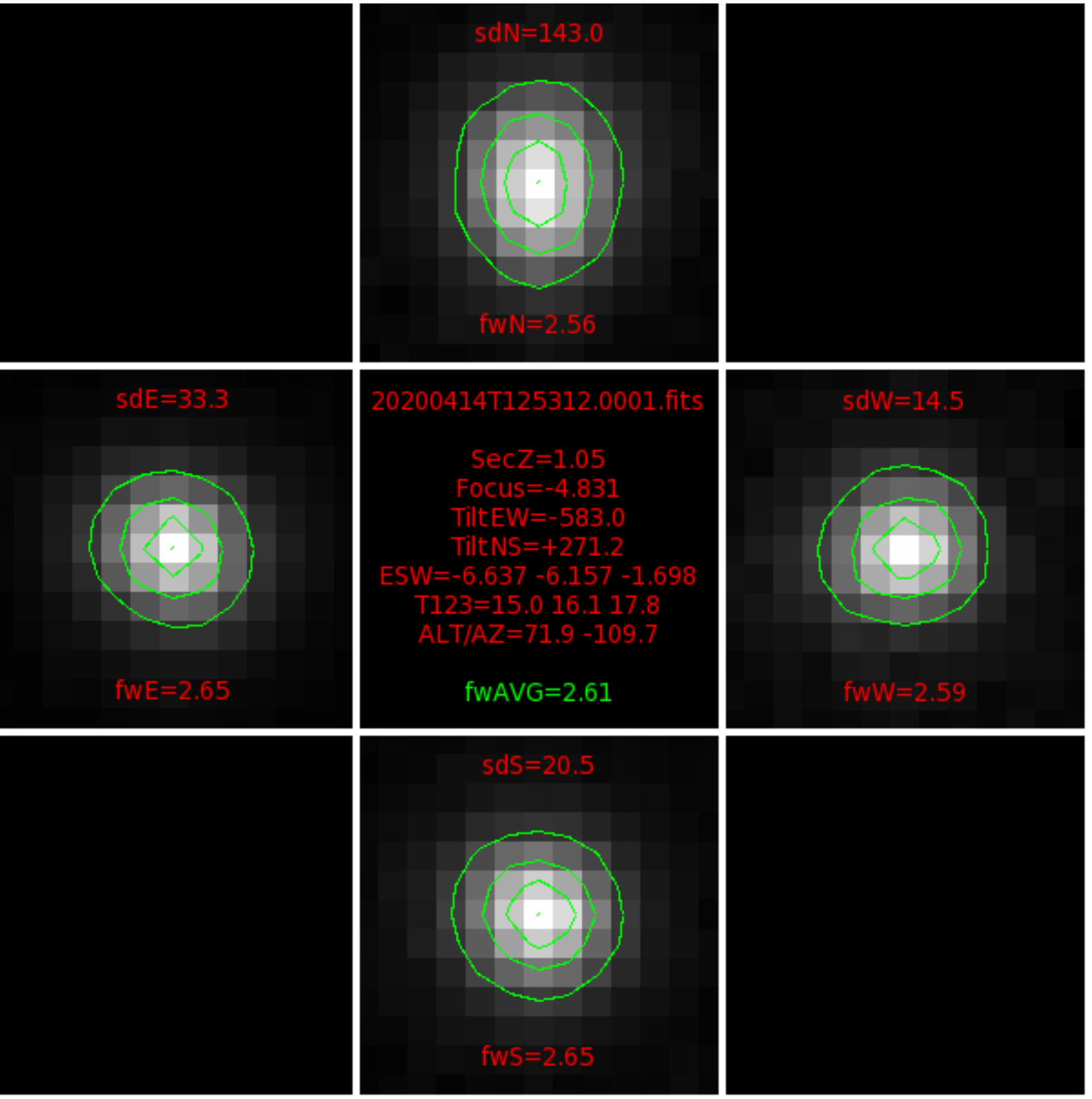
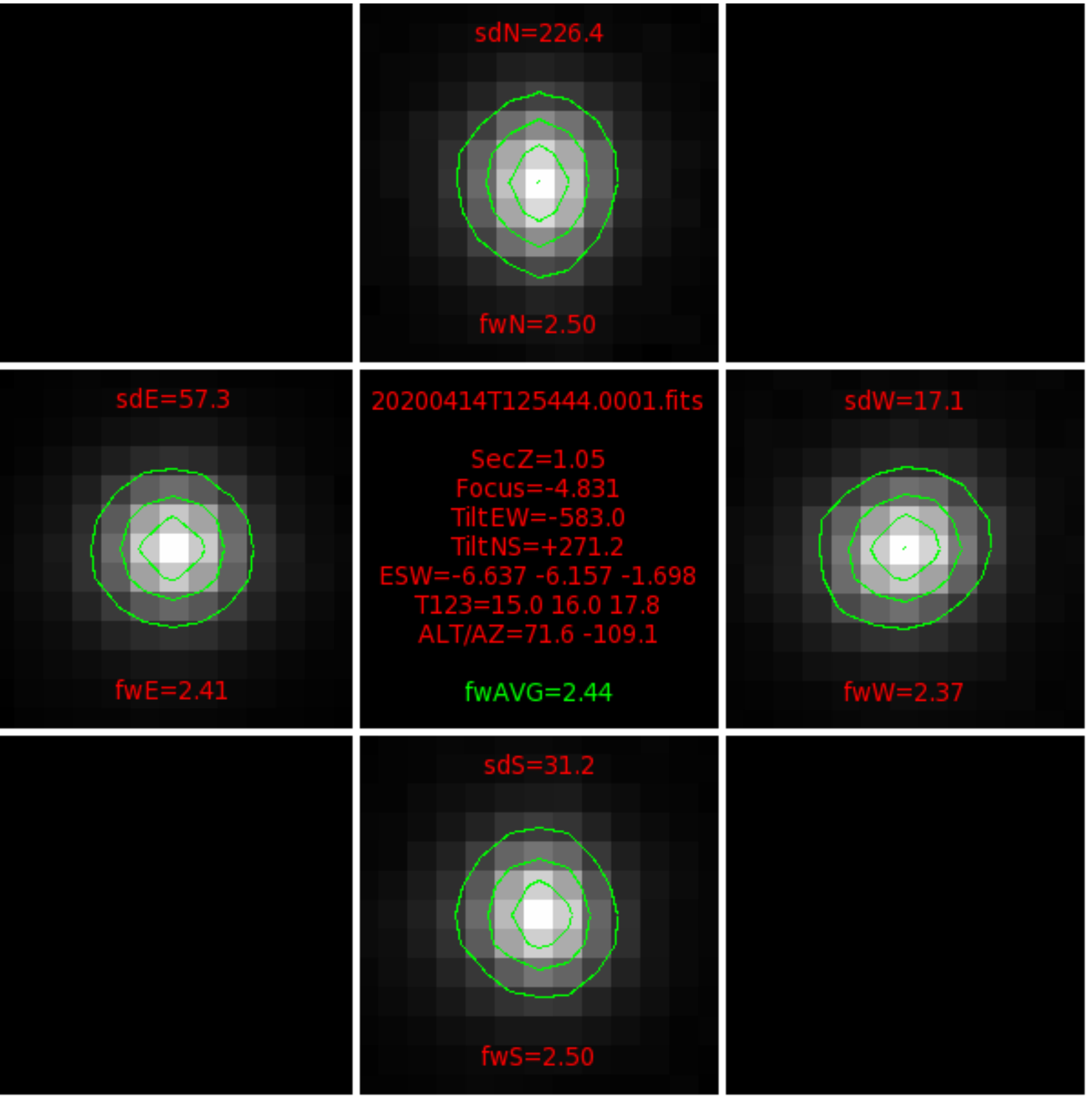

sdN=13.2
fwN=2.58
sdE=76.8
fwE=2.53
20200414T124915.0001.fits
SecZ=1.29
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=15.0 16.0 17.8
ALT/AZ=50.8 -120.1
fwAVG=2.56
sdW=50.4
fwW=2.52
sdS=44.6
fwS=2.61
0 0 0 0 0 0 0 0 0

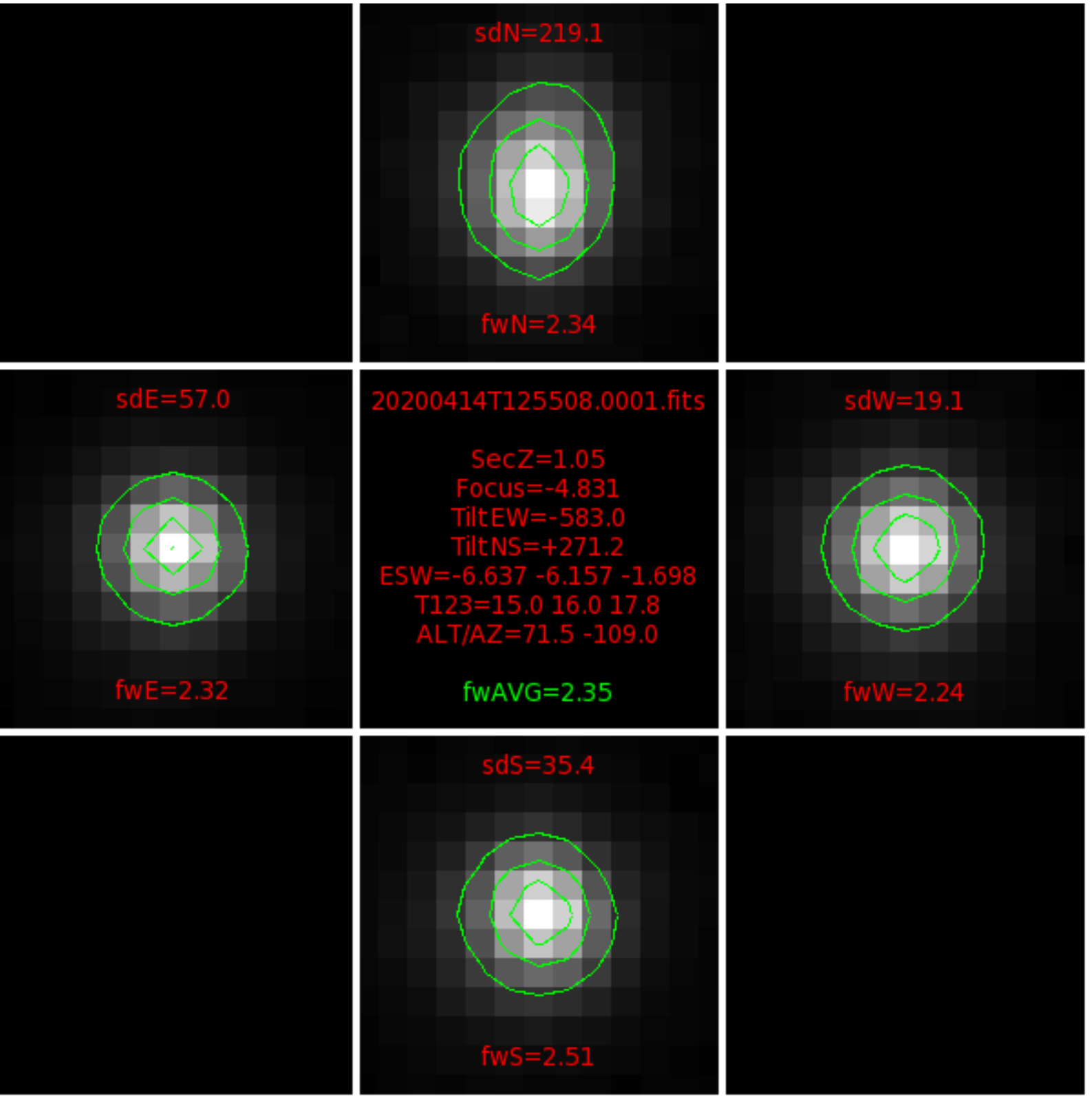

sdN=22.8
fwN=2.52
sdE=129.5
fwE=2.52
20200414T125051.0001.fits
SecZ=1.30
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=15.0 16.0 17.8
ALT/AZ=50.5 -119.7
fwAVG=2.52
sdW=78.8
fwW=2.44
sdS=70.7
fwS=2.60
0 0 0 0 0 0 0 0 0


sdN=86.7
fwN=2.16
sdE=170.3
fwE=2.34
20200414T125115.0001.fits
SecZ=1.30
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=15.0 0.0 17.8
ALT/AZ=50.4 -119.6
fwAVG=2.34
sdW=92.6
fwW=2.34
sdS=85.8
fwS=2.52
0 0 0 0 0 0 0 0 0


sdN=118.4
fwN=2.44
sdE=221.8
fwE=2.49
20200414T125247.0001.fits
SecZ=1.05
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=15.0 16.1 17.8
ALT/AZ=72.0 -109.8
fwAVG=2.43
sdW=138.8
fwW=2.33
sdS=125.0
fwS=2.44
0 0 0 0 0 0 0 0 0


sdN=143.0
fwN=2.56
sdE=33.3
fwE=2.65
20200414T125312.0001.fits
SecZ=1.05
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=15.0 16.1 17.8
ALT/AZ=71.9 -109.7
fwAVG=2.61
sdW=14.5
fwW=2.59
sdS=20.5
fwS=2.65
0 0 0 0 0 0 0 0 0


sdN=226.4
fwN=2.50
sdE=57.3
fwE=2.41
20200414T125444.0001.fits
SecZ=1.05
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=15.0 16.0 17.8
ALT/AZ=71.6 -109.1
fwAVG=2.44
sdW=17.1
fwW=2.37
sdS=31.2
fwS=2.50
0 0 0 0 0 0 0 0 0


sdN=219.1
fwN=2.34
sdE=57.0
fwE=2.32
20200414T125508.0001.fits
SecZ=1.05
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=15.0 16.0 17.8
ALT/AZ=71.5 -109.0
fwAVG=2.35
sdW=19.1
fwW=2.24
sdS=35.4
fwS=2.51
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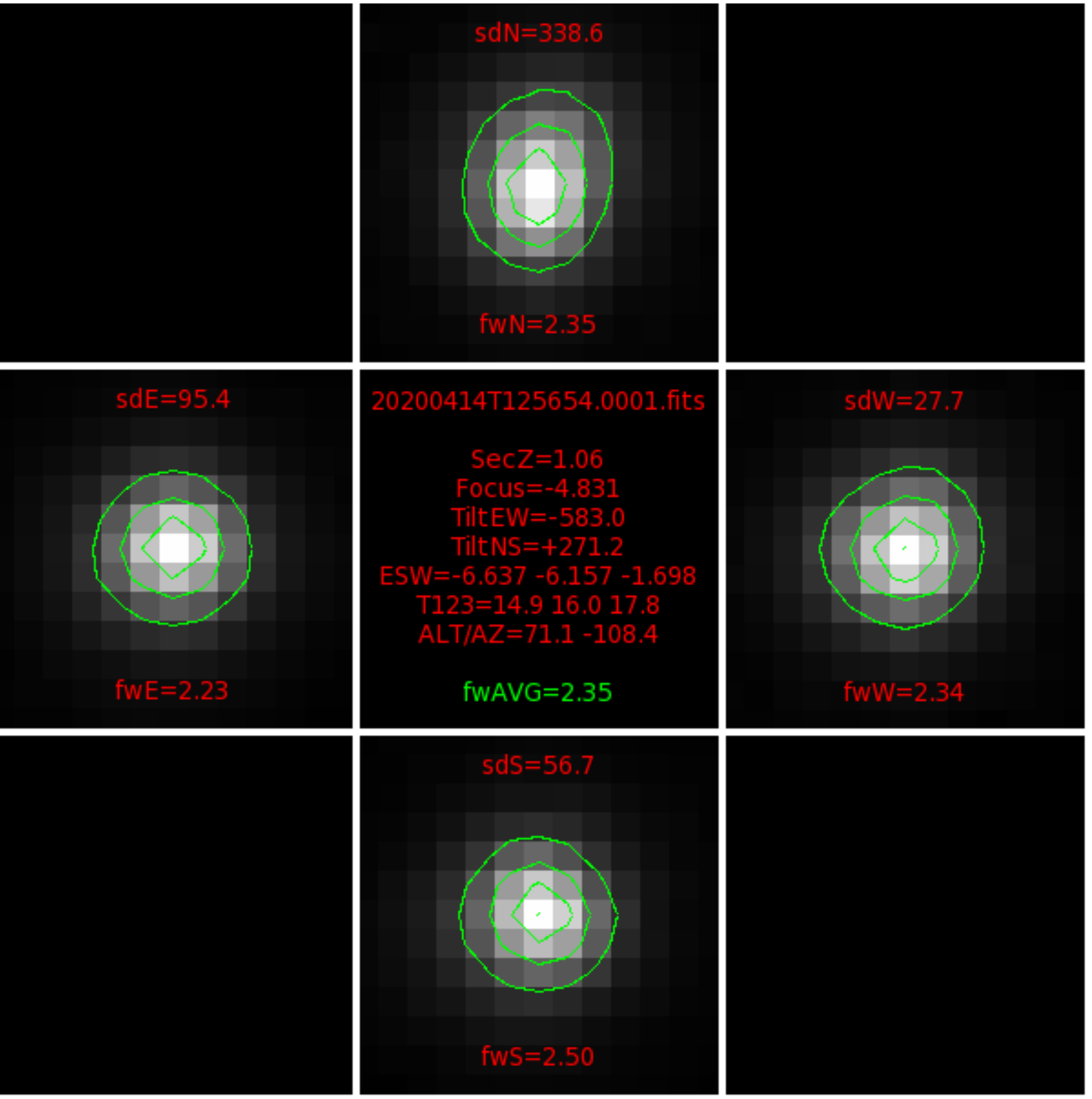
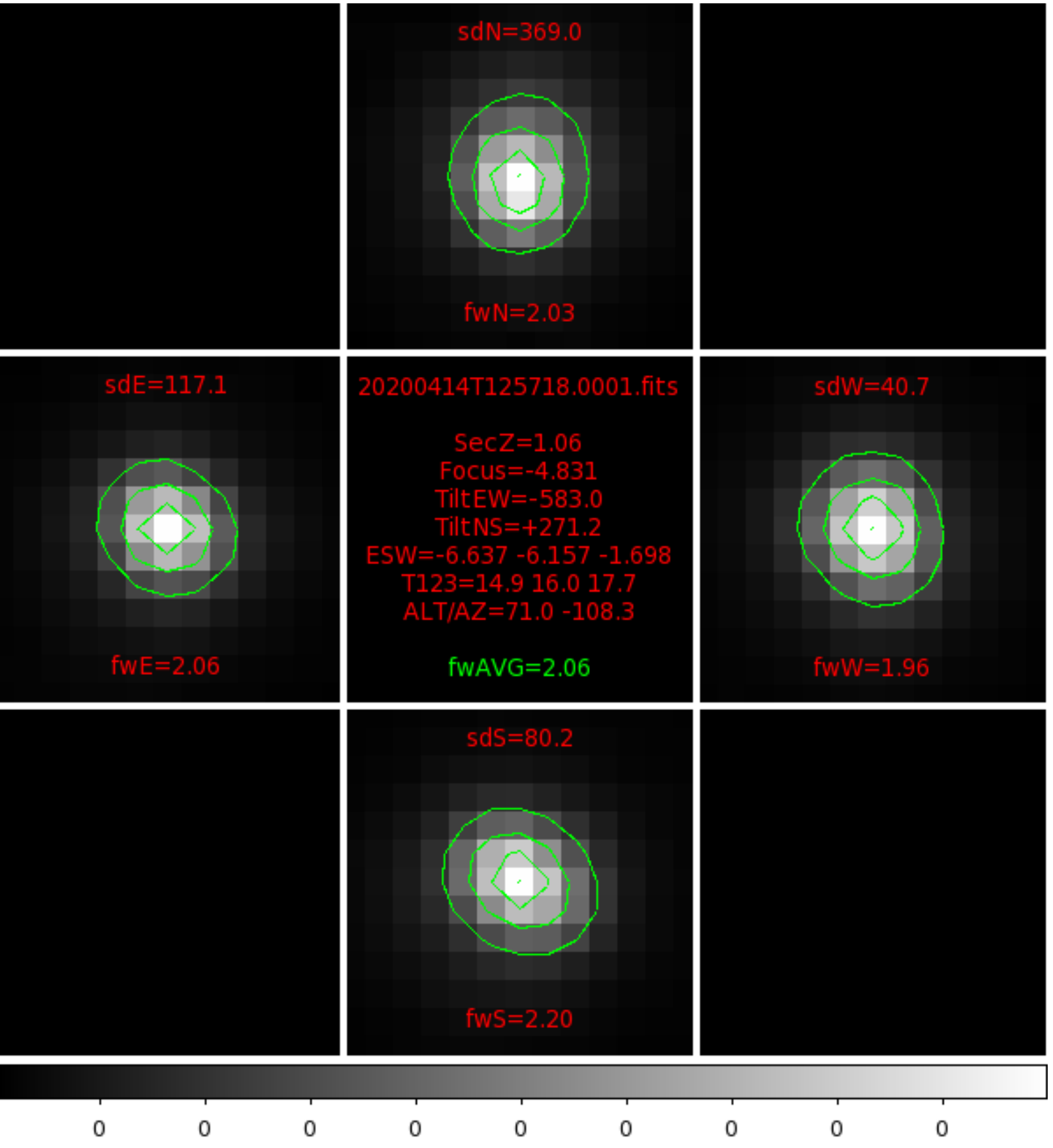
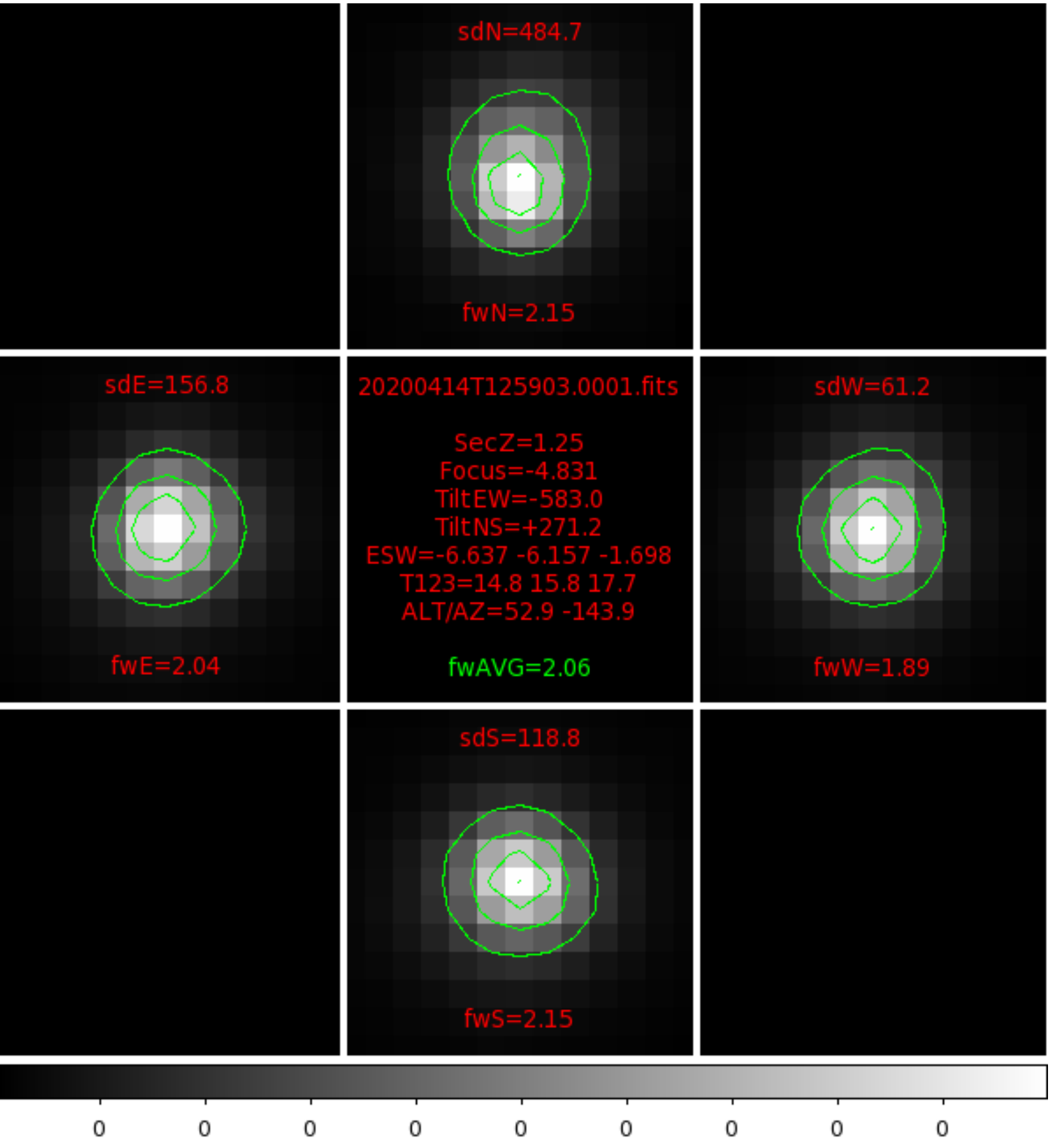
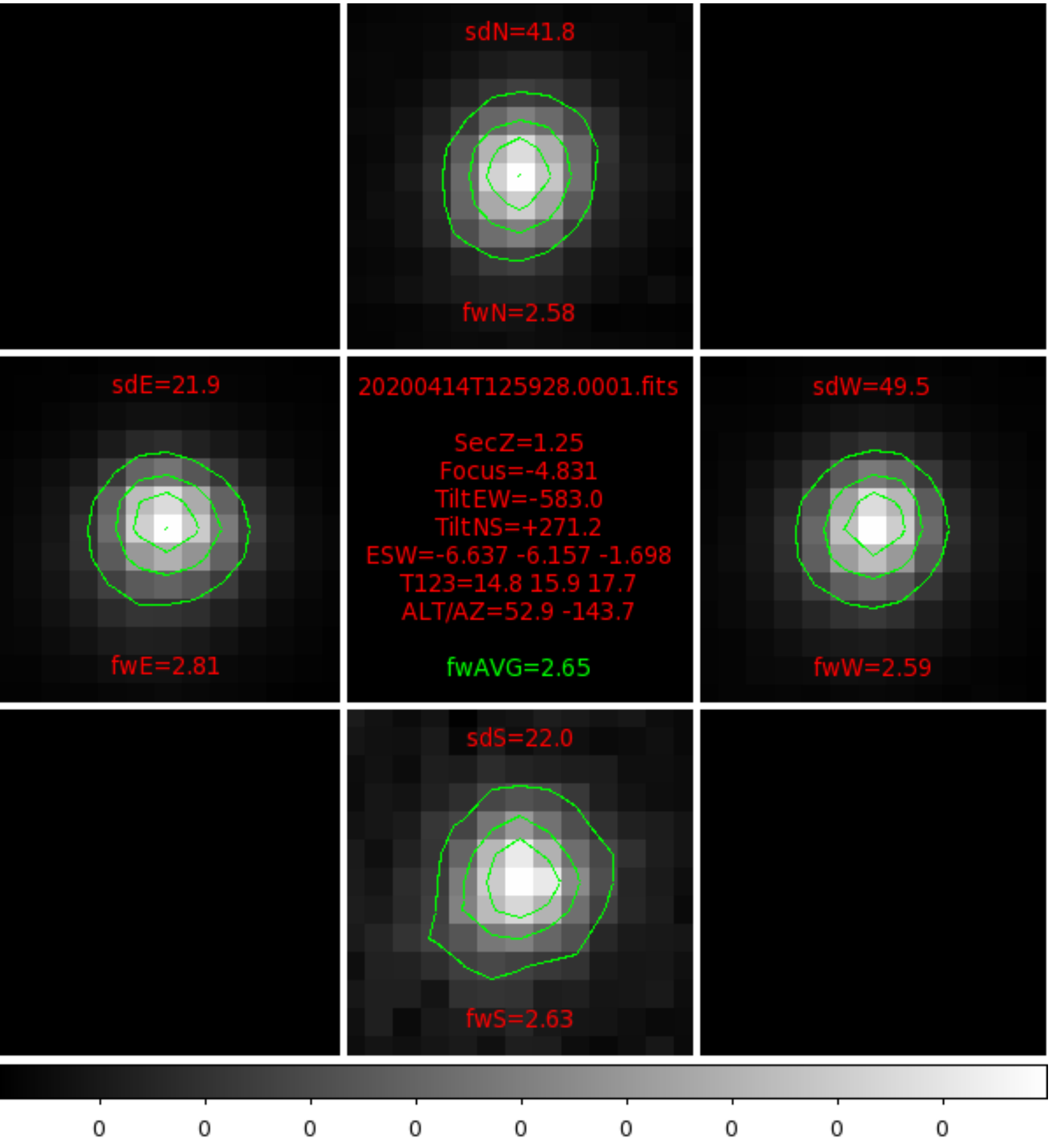

sdN=338.6
fwN=2.35
sdE=95.4
fwE=2.23
20200414T125654.0001.fits
SecZ=1.06
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=14.9 16.0 17.8
ALT/AZ=71.1 -108.4
fwAVG=2.35
sdW=27.7
fwW=2.34
sdS=56.7
fwS=2.50
0 0 0 0 0 0 0 0 0


sdN=369.0
fwN=2.03
sdE=117.1
fwE=2.06
20200414T125718.0001.fits
SecZ=1.06
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=14.9 16.0 17.7
ALT/AZ=71.0 -108.3
fwAVG=2.06
sdW=40.7
fwW=1.96
sdS=80.2
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=484.7
fwN=2.15
sdE=156.8
fwE=2.04
20200414T125903.0001.fits
SecZ=1.25
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=14.8 15.8 17.7
ALT/AZ=52.9 -143.9
fwAVG=2.06
sdW=61.2
fwW=1.89
sdS=118.8
fwS=2.15
0 0 0 0 0 0 0 0 0


sdN=41.8
fwN=2.58
sdE=21.9
fwE=2.81
20200414T125928.0001.fits
SecZ=1.25
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=14.8 15.9 17.7
ALT/AZ=52.9 -143.7
fwAVG=2.65
sdW=49.5
fwW=2.59
sdS=22.0
fwS=2.63
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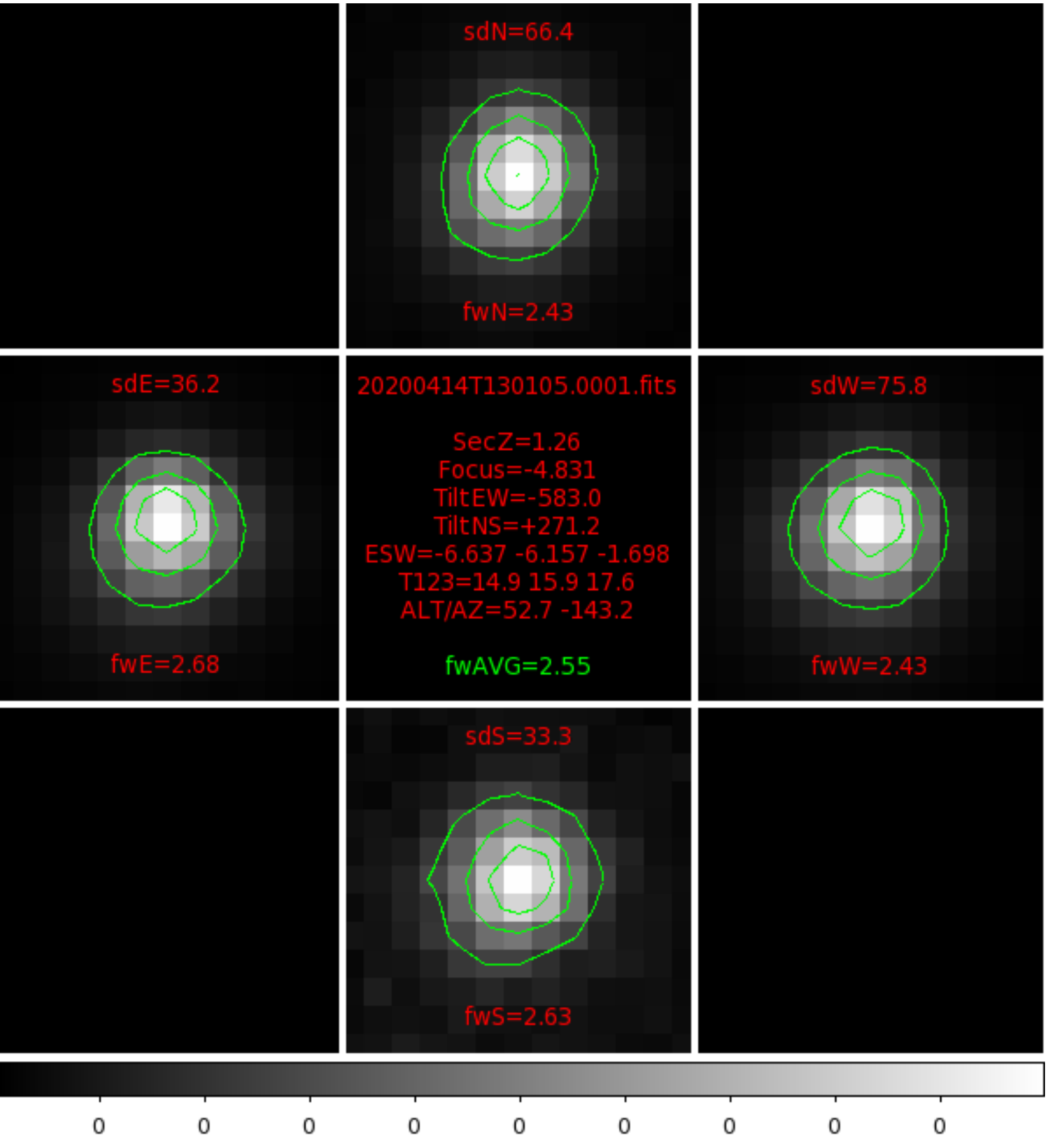
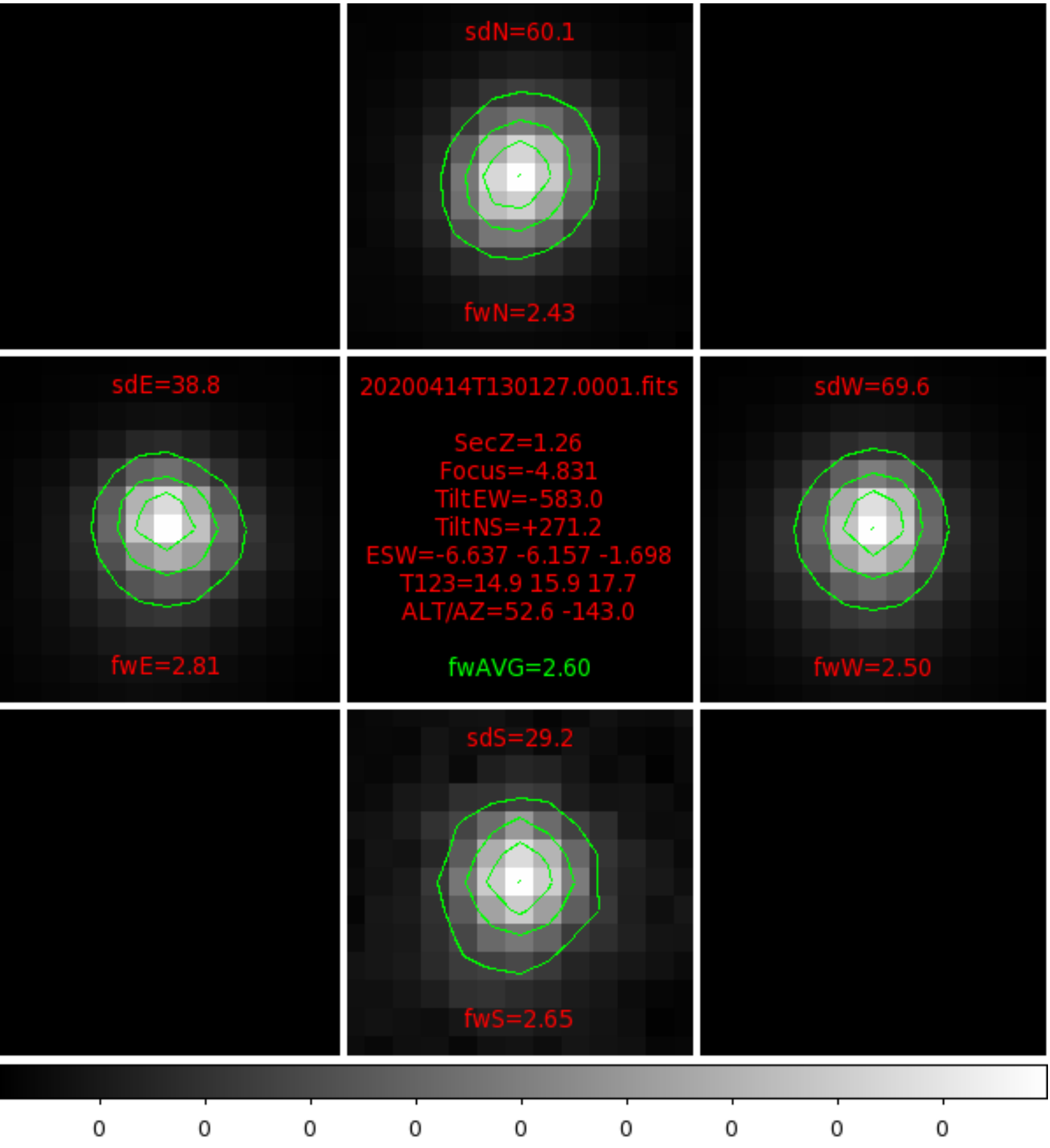
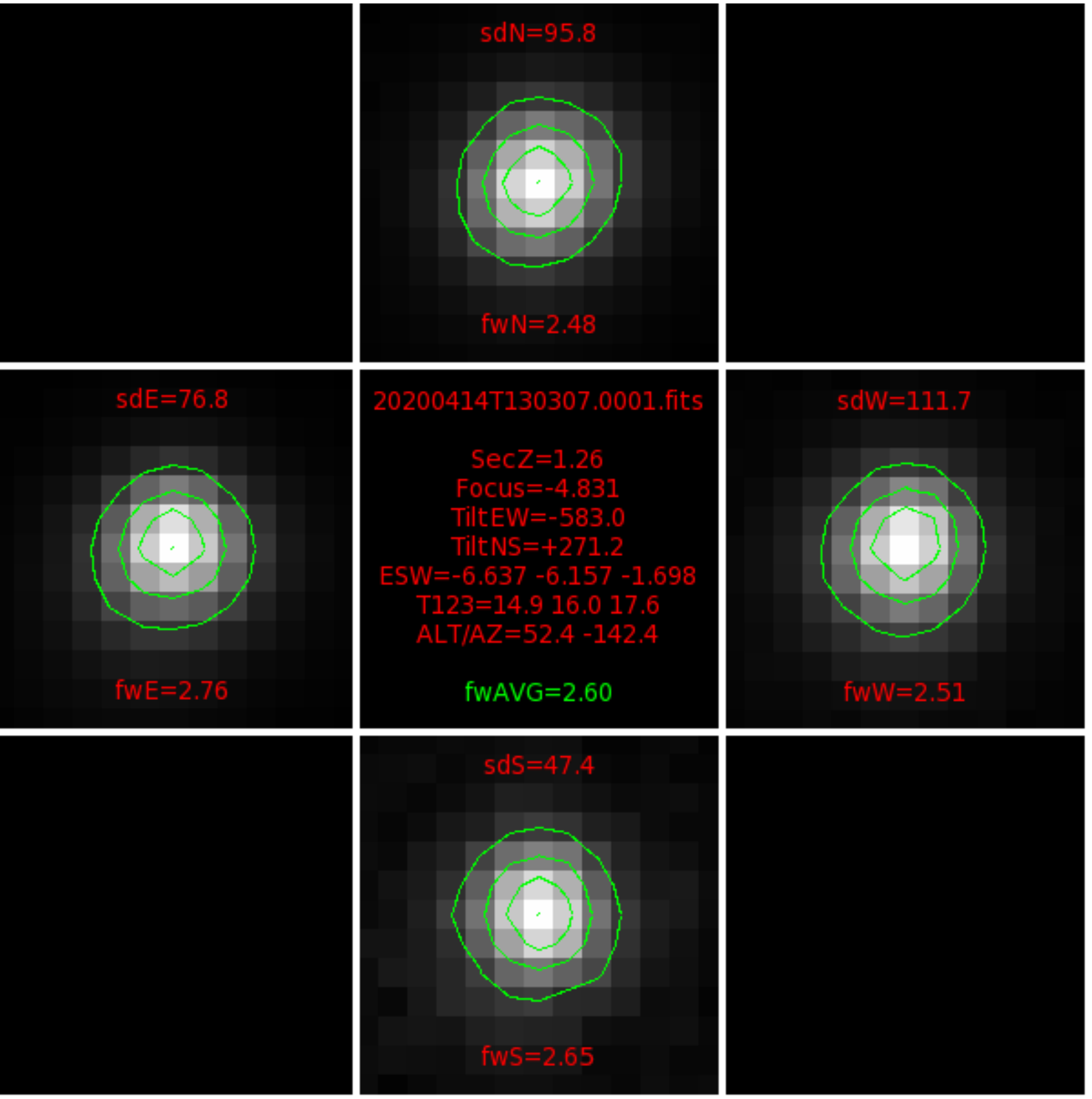
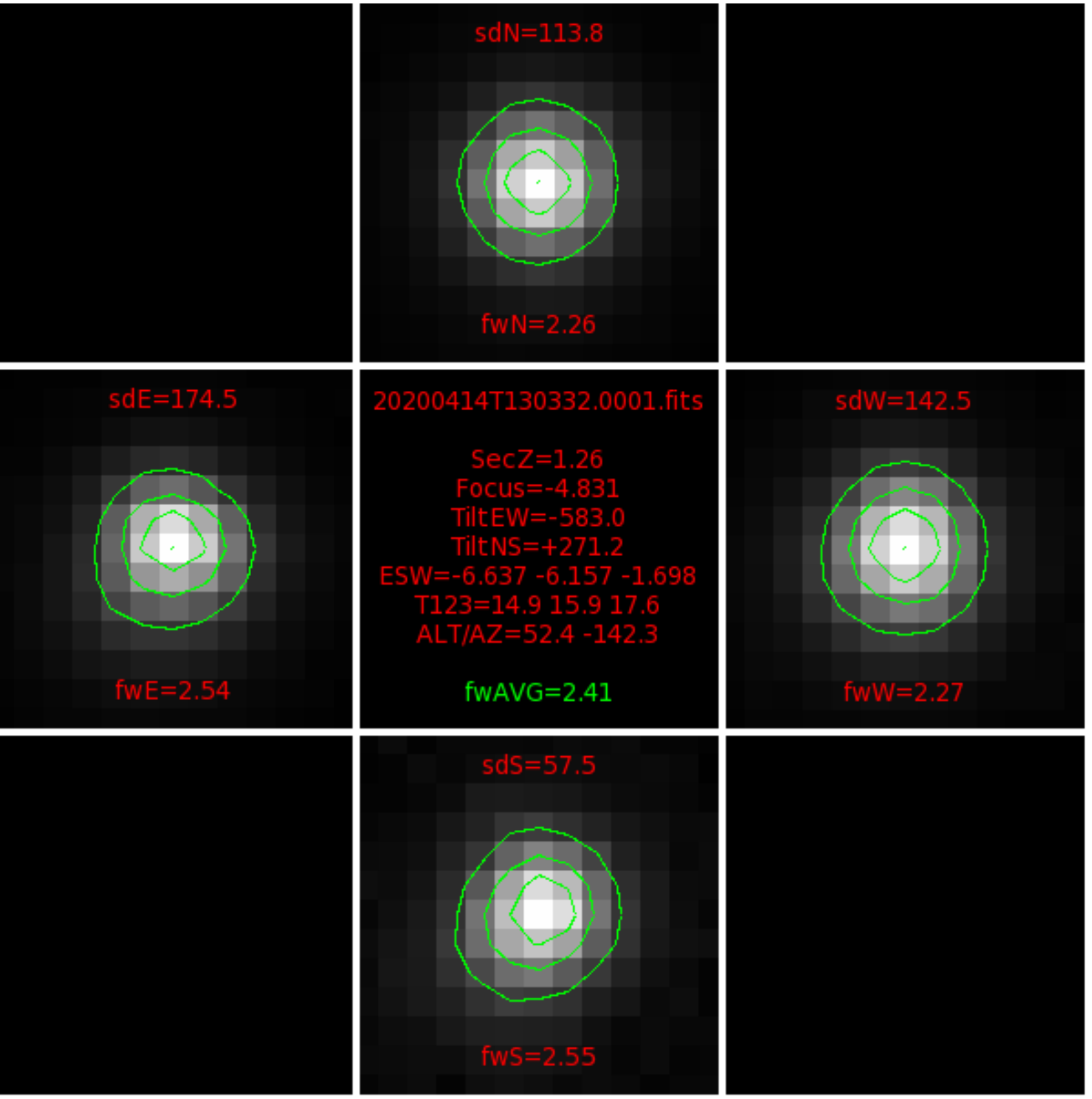
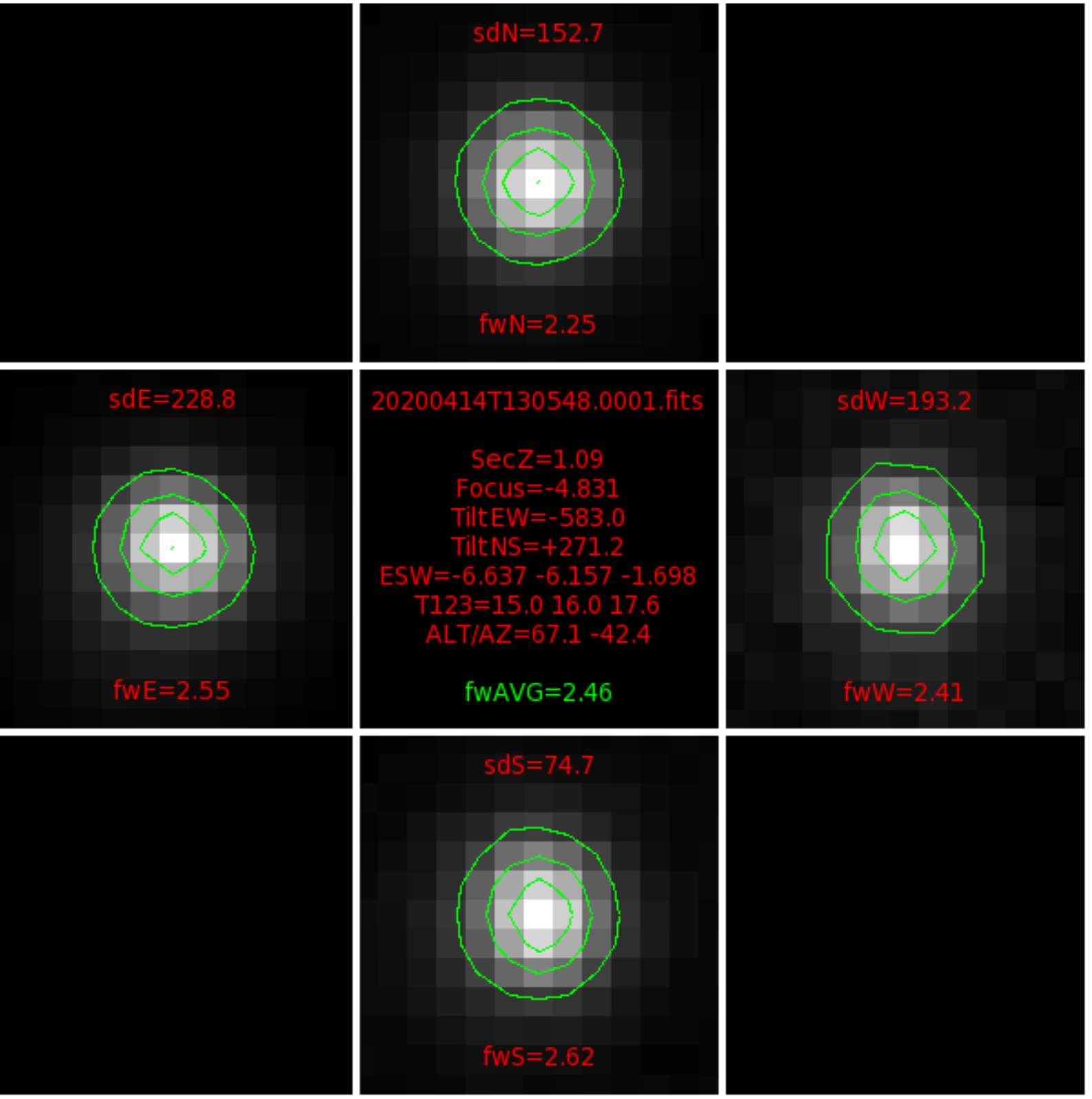

sdN=66.4
fwN=2.43
sdE=36.2
fwE=2.68
20200414T130105.0001.fits
SecZ=1.26
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=14.9 15.9 17.6
ALT/AZ=52.7 -143.2
fwAVG=2.55
sdW=75.8
fwW=2.43
sdS=33.3
fwS=2.63
0 0 0 0 0 0 0 0 0


sdN=60.1
fwN=2.43
sdE=38.8
fwE=2.81
20200414T130127.0001.fits
SecZ=1.26
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=14.9 15.9 17.7
ALT/AZ=52.6 -143.0
fwAVG=2.60
sdW=69.6
fwW=2.50
sdS=29.2
fwS=2.65
0 0 0 0 0 0 0 0 0


sdN=95.8
fwN=2.48
sdE=76.8
fwE=2.76
20200414T130307.0001.fits
SecZ=1.26
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=14.9 16.0 17.6
ALT/AZ=52.4 -142.4
fwAVG=2.60
sdW=111.7
fwW=2.51
sdS=47.4
fwS=2.65
0 0 0 0 0 0 0 0 0


sdN=113.8
fwN=2.26
sdE=174.5
fwE=2.54
20200414T130332.0001.fits
SecZ=1.26
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=14.9 15.9 17.6
ALT/AZ=52.4 -142.3
fwAVG=2.41
sdW=142.5
fwW=2.27
sdS=57.5
fwS=2.55
0 0 0 0 0 0 0 0 0


sdN=152.7
fwN=2.25
sdE=228.8
fwE=2.55
20200414T130548.0001.fits
SecZ=1.09
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=15.0 16.0 17.6
ALT/AZ=67.1 -42.4
fwAVG=2.46
sdW=193.2
fwW=2.41
sdS=74.7
fwS=2.62
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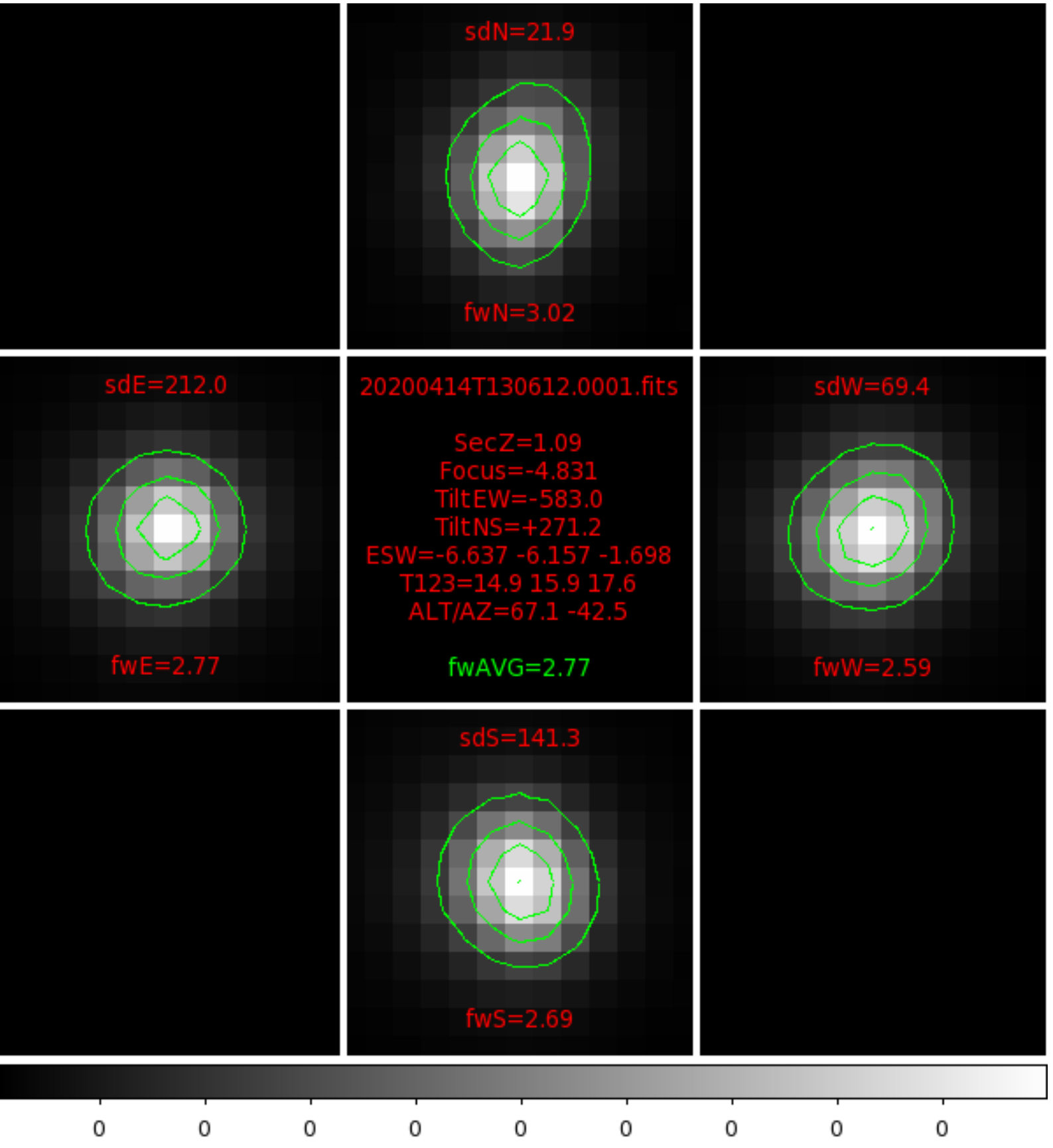
sdN=21.9
fwN=3.02
sdE=212.0
fwE=2.77
20200414T130612.0001.fits
SecZ=1.09
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=14.9 15.9 17.6
ALT/AZ=67.1 -42.5
fwAVG=2.77
sdW=69.4
fwW=2.59
sdS=141.3
fwS=2.69
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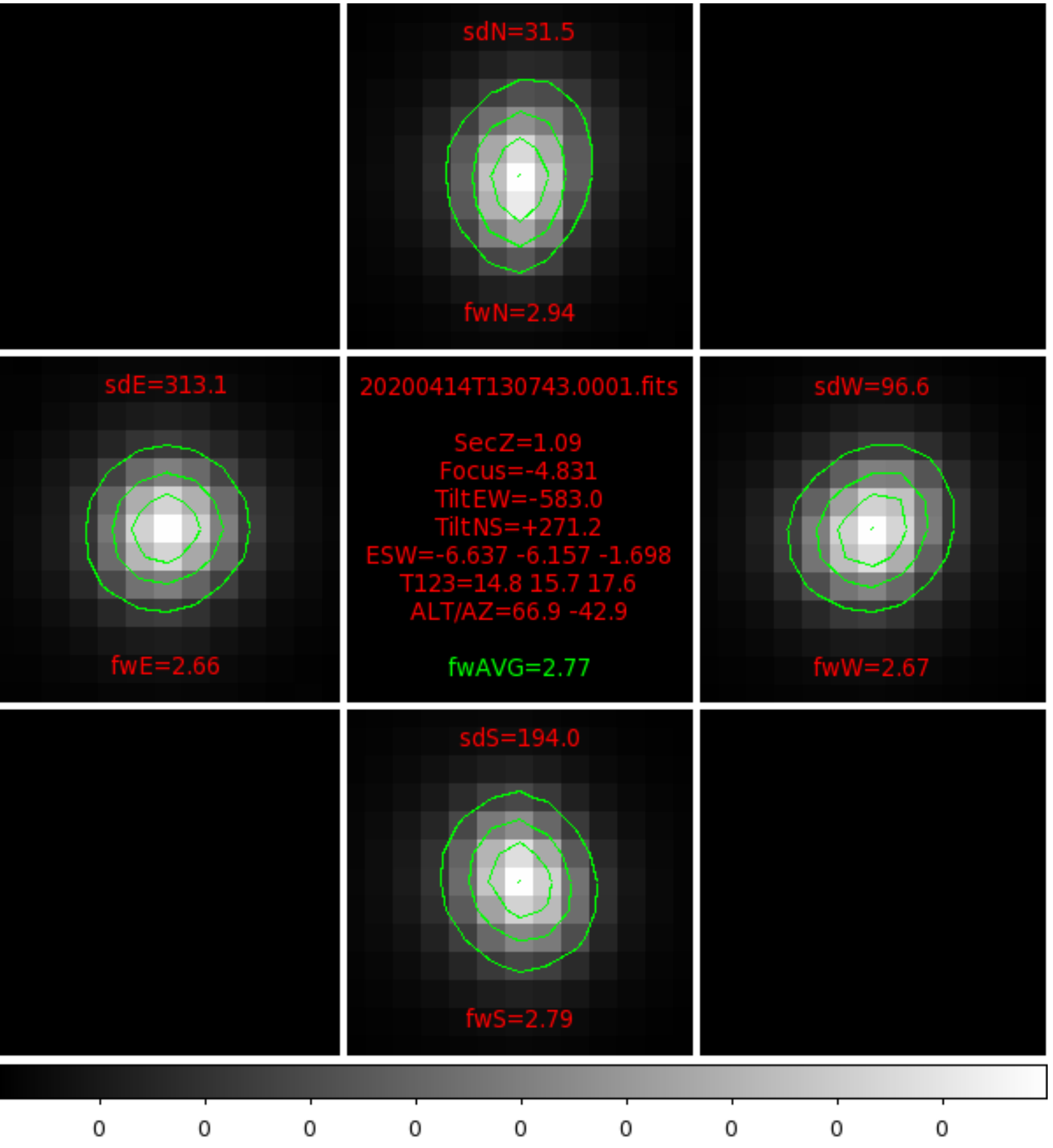
sdN=31.5
fwN=2.94
sdE=313.1
fwE=2.66
20200414T130743.0001.fits
SecZ=1.09
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=14.8 15.7 17.6
ALT/AZ=66.9 -42.9
fwAVG=2.77
sdW=96.6
fwW=2.67
sdS=194.0
fwS=2.79
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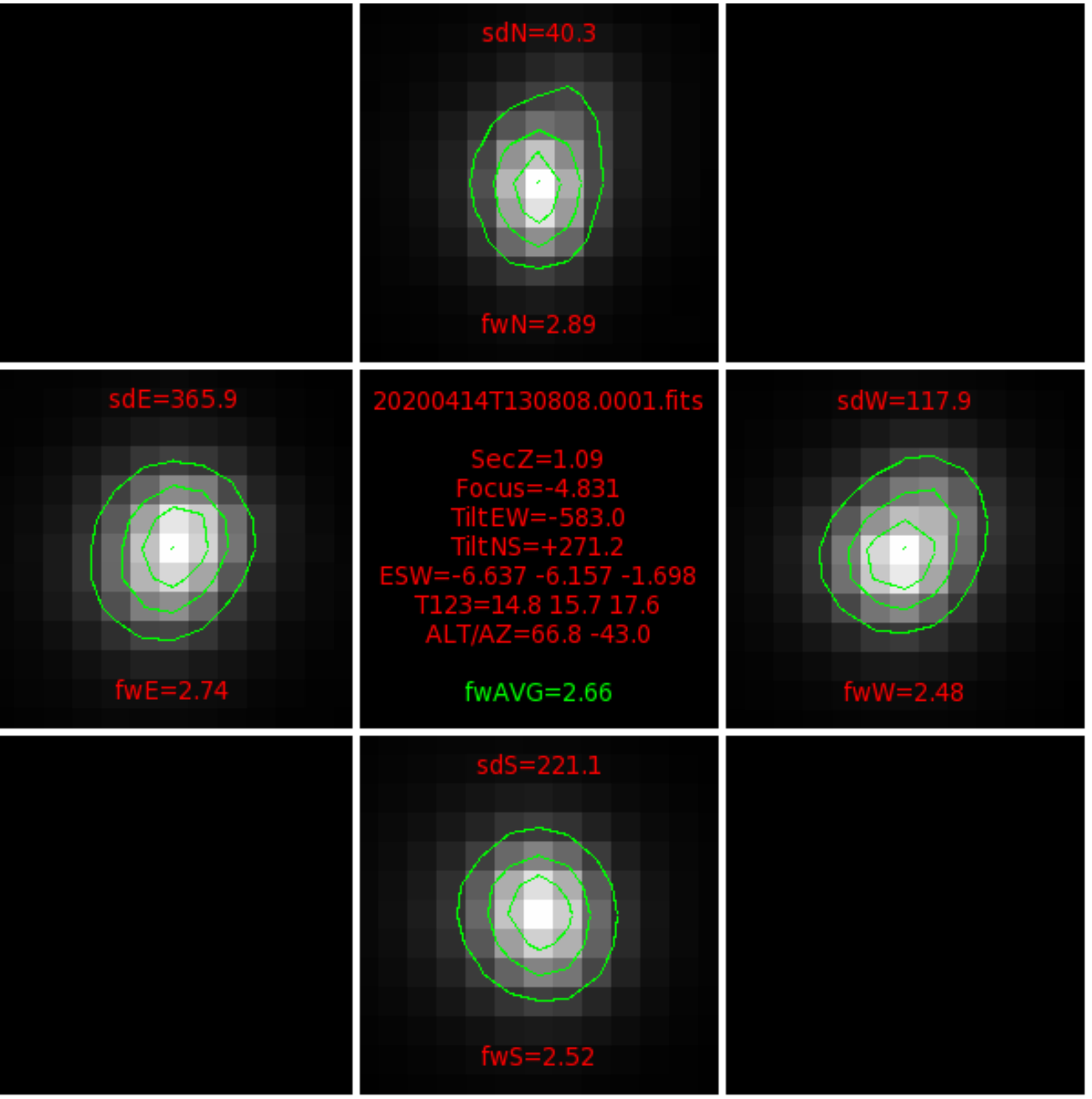
sdN=40.3
fwN=2.89
sdE=365.9
fwE=2.74
20200414T130808.0001.fits
SecZ=1.09
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=14.8 15.7 17.6
ALT/AZ=66.8 -43.0
fwAVG=2.66
sdW=117.9
fwW=2.48
sdS=221.1
fwS=2.52
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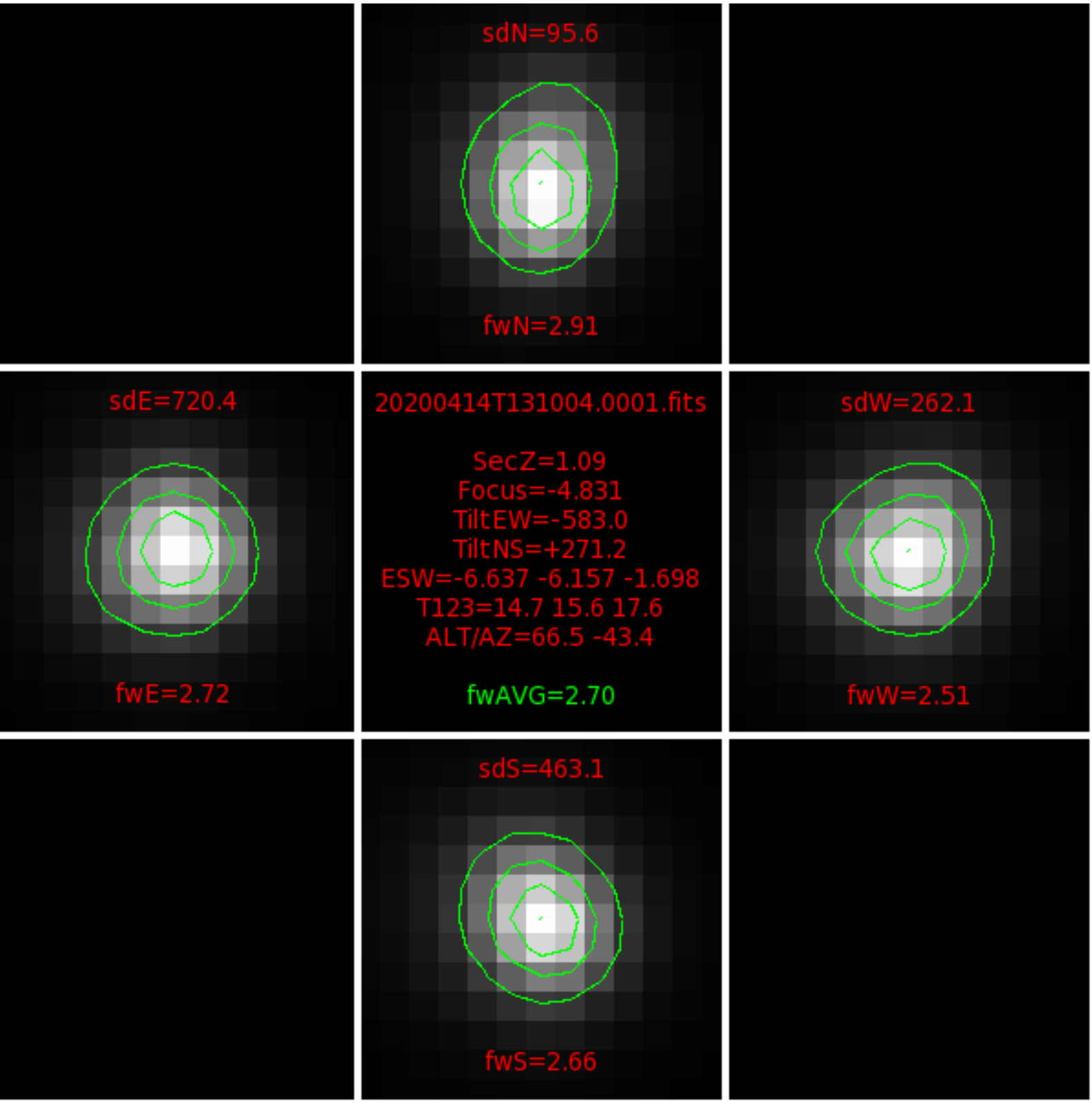
sdN=95.6
fwN=2.91
sdE=720.4
fwE=2.72
20200414T131004.0001.fits
SecZ=1.09
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=14.7 15.6 17.6
ALT/AZ=66.5 -43.4
fwAVG=2.70
sdW=262.1
fwW=2.51
sdS=463.1
fwS=2.66
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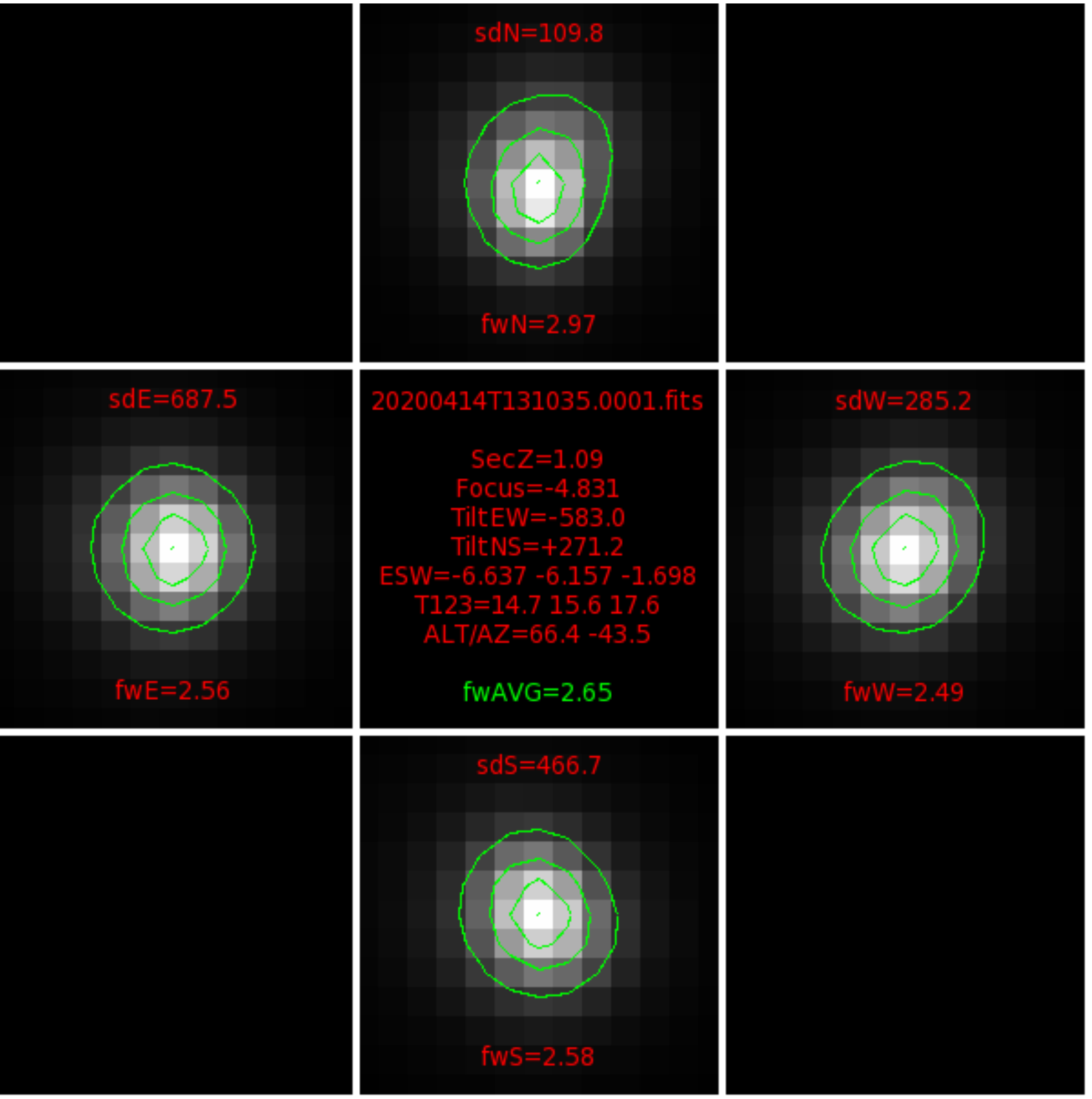
sdN=109.8
fwN=2.97
sdE=687.5
fwE=2.56
20200414T131035.0001.fits
SecZ=1.09
Focus=-4.831
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.637 -6.157 -1.698
T123=14.7 15.6 17.6
ALT/AZ=66.4 -43.5
fwAVG=2.65
sdW=285.2
fwW=2.49
sdS=466.7
fwS=2.58
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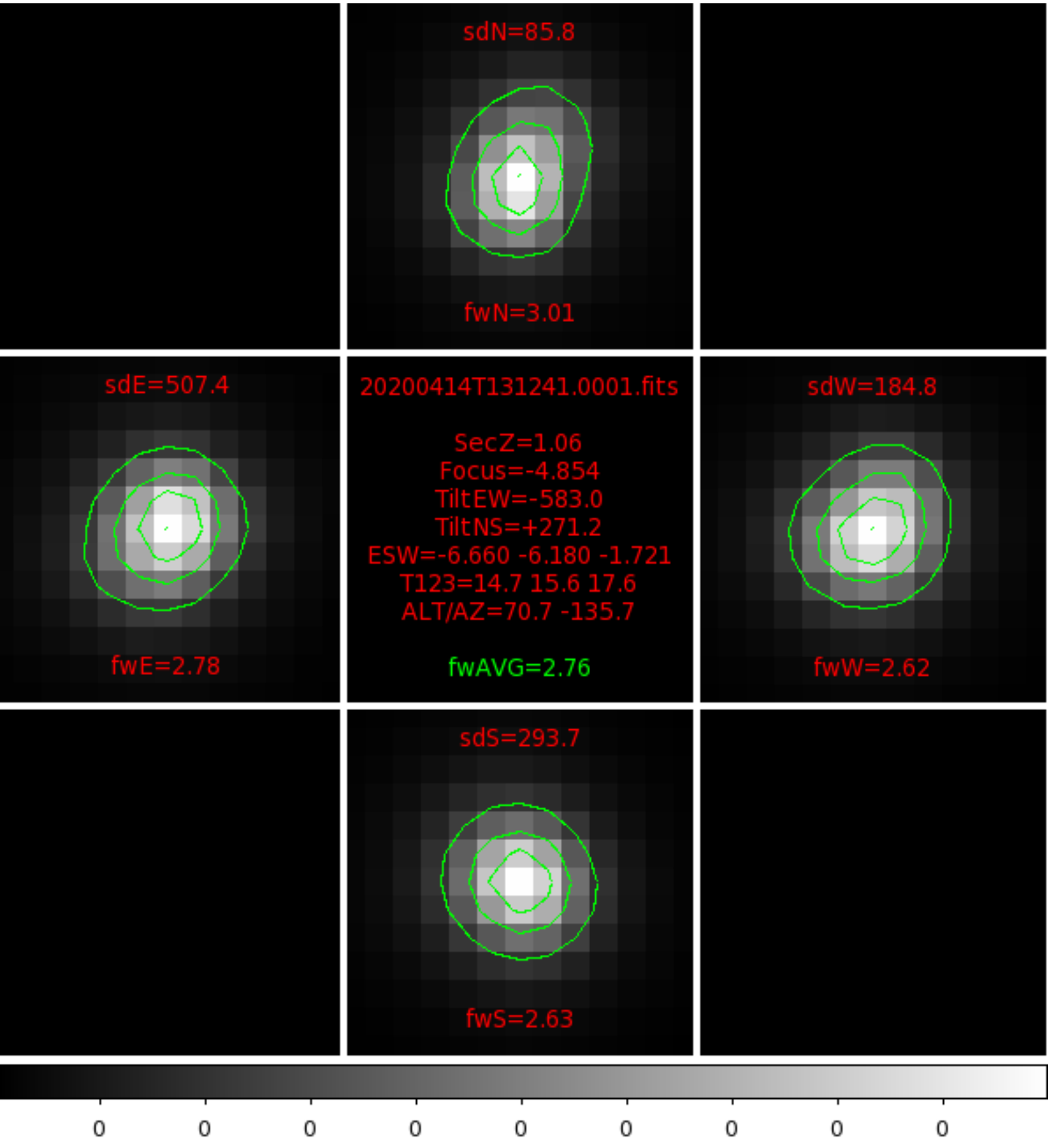
sdN=85.8
fwN=3.01
sdE=507.4
fwE=2.78
20200414T131241.0001.fits
SecZ=1.06
Focus=-4.854
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.660 -6.180 -1.721
T123=14.7 15.6 17.6
ALT/AZ=70.7 -135.7
fwAVG=2.76
sdW=184.8
fwW=2.62
sdS=293.7
fwS=2.63
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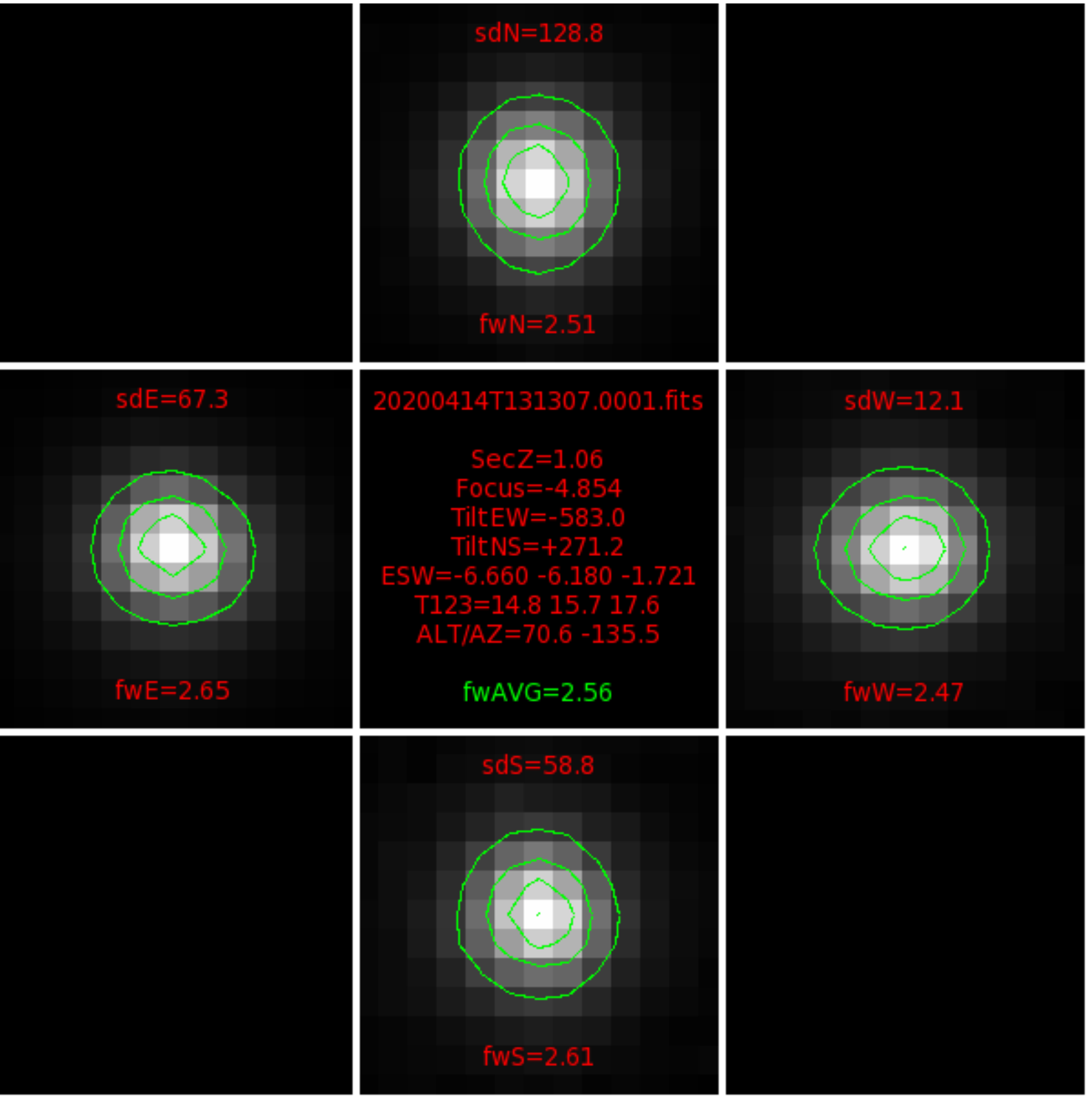
sdN=128.8
fwN=2.51
sdE=67.3
fwE=2.65
20200414T131307.0001.fits
SecZ=1.06
Focus=-4.854
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.660 -6.180 -1.721
T123=14.8 15.7 17.6
ALT/AZ=70.6 -135.5
fwAVG=2.56
sdW=12.1
fwW=2.47
sdS=58.8
fwS=2.61
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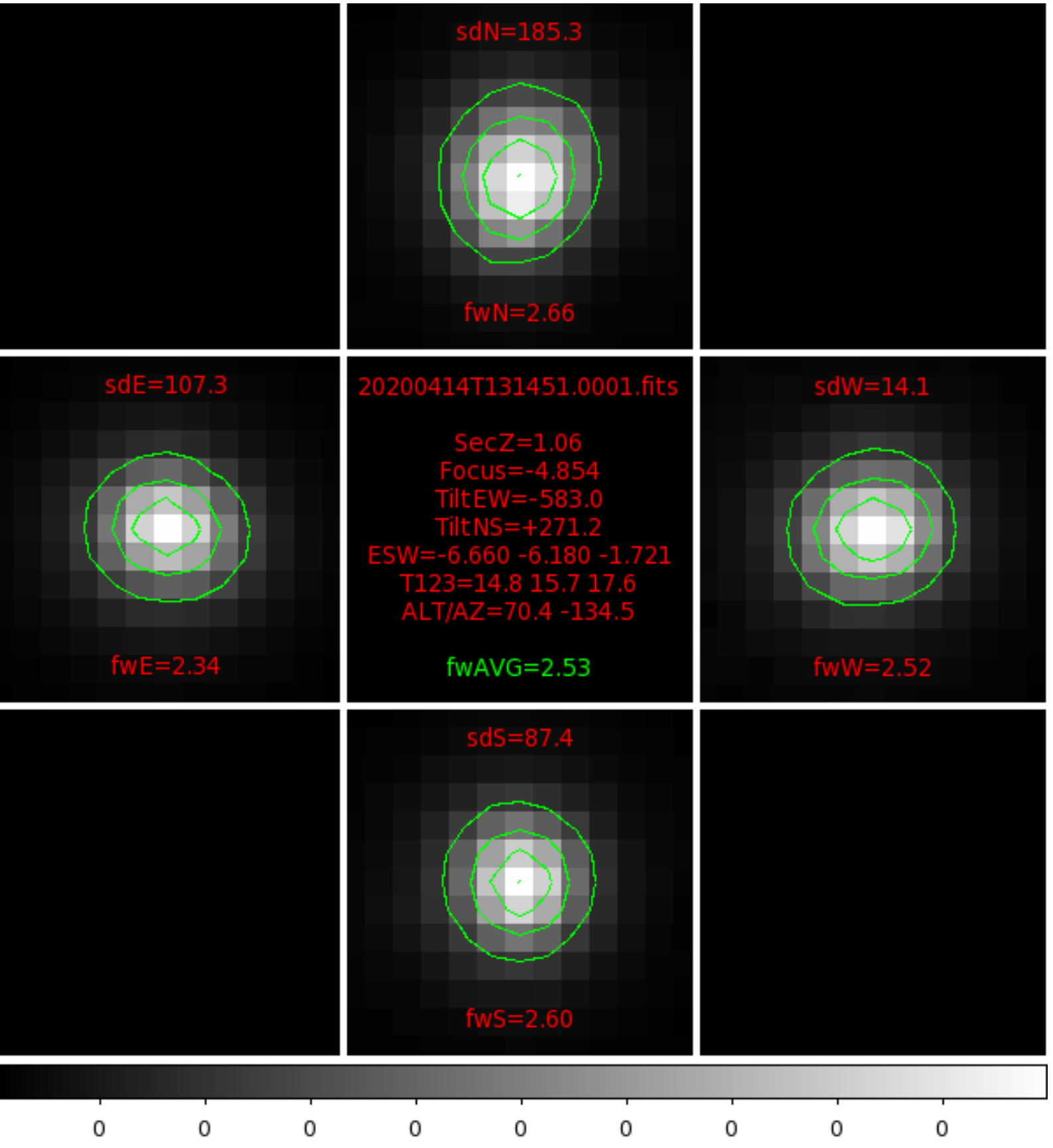
sdN=185.3
fwN=2.66
sdE=107.3
fwE=2.34
20200414T131451.0001.fits
SecZ=1.06
Focus=-4.854
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.660 -6.180 -1.721
T123=14.8 15.7 17.6
ALT/AZ=70.4 -134.5
fwAVG=2.53
sdW=14.1
fwW=2.52
sdS=87.4
fwS=2.60
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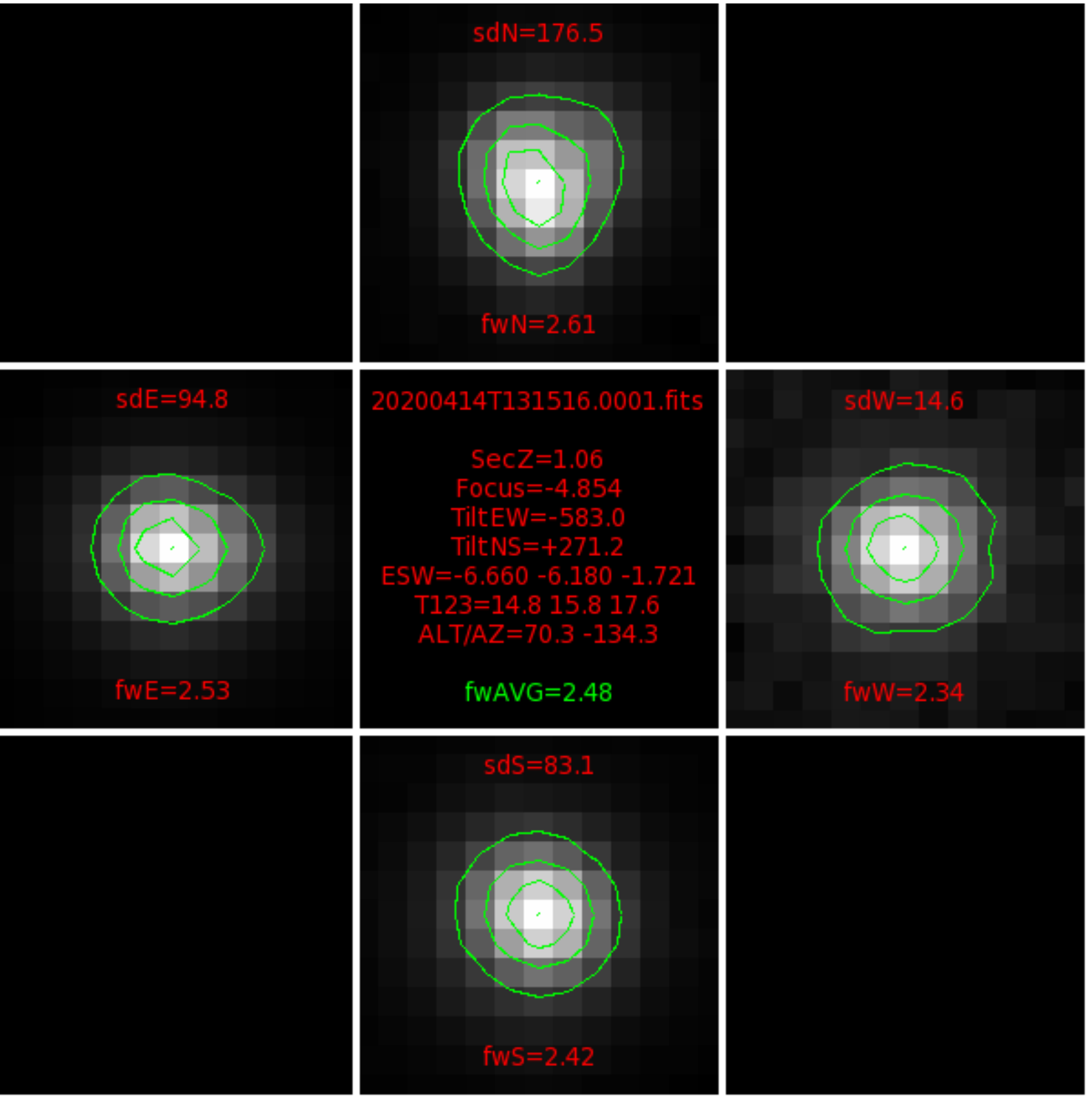
sdN=176.5
fwN=2.61
sdE=94.8
fwE=2.53
20200414T131516.0001.fits
SecZ=1.06
Focus=-4.854
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.660 -6.180 -1.721
T123=14.8 15.8 17.6
ALT/AZ=70.3 -134.3
fwAVG=2.48
sdW=14.6
fwW=2.34
sdS=83.1
fwS=2.42
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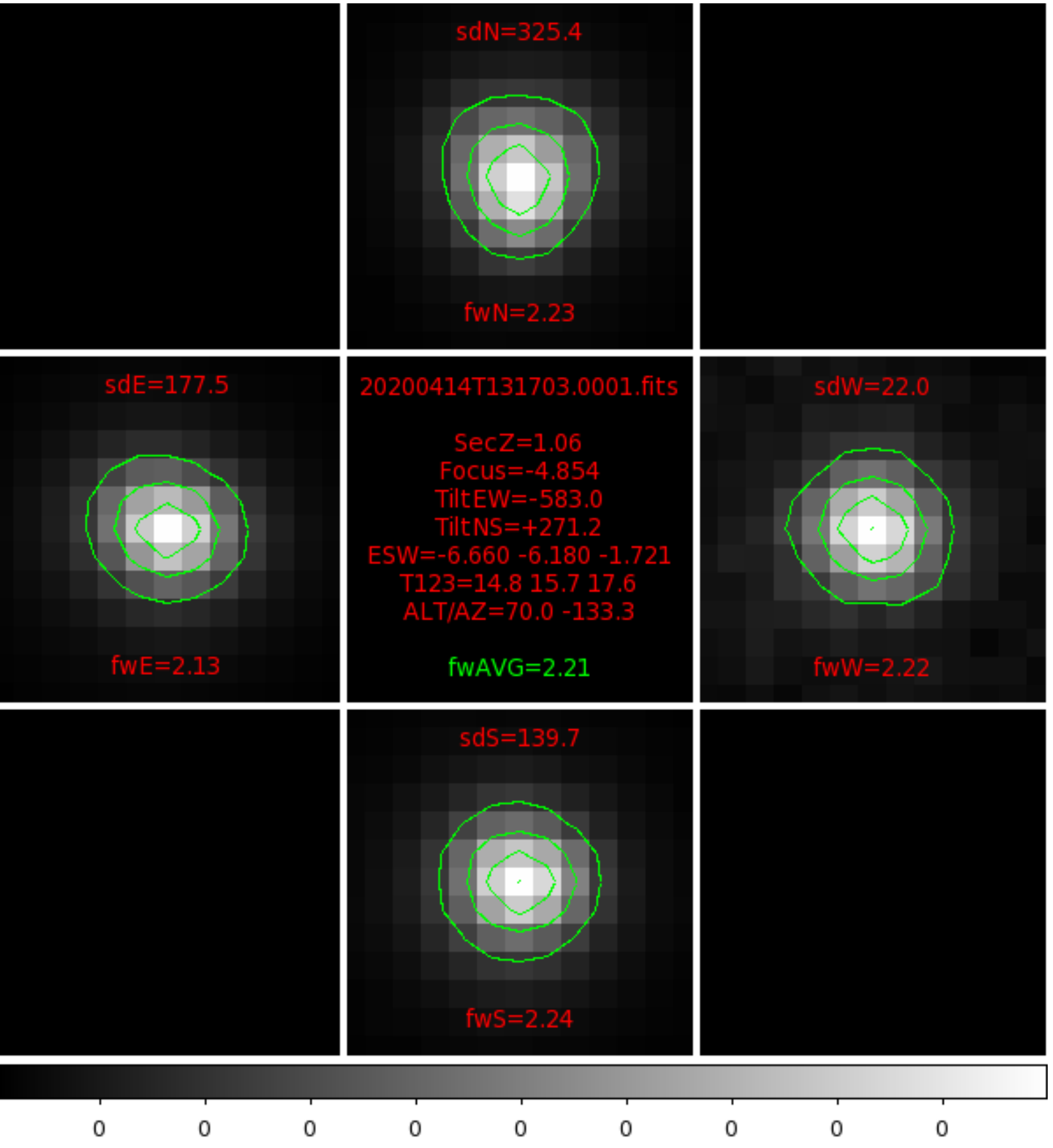
sdN=325.4
fwN=2.23
sdE=177.5
fwE=2.13
20200414T131703.0001.fits
SecZ=1.06
Focus=-4.854
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.660 -6.180 -1.721
T123=14.8 15.7 17.6
ALT/AZ=70.0 -133.3
fwAVG=2.21
sdW=22.0
fwW=2.22
sdS=139.7
fwS=2.24
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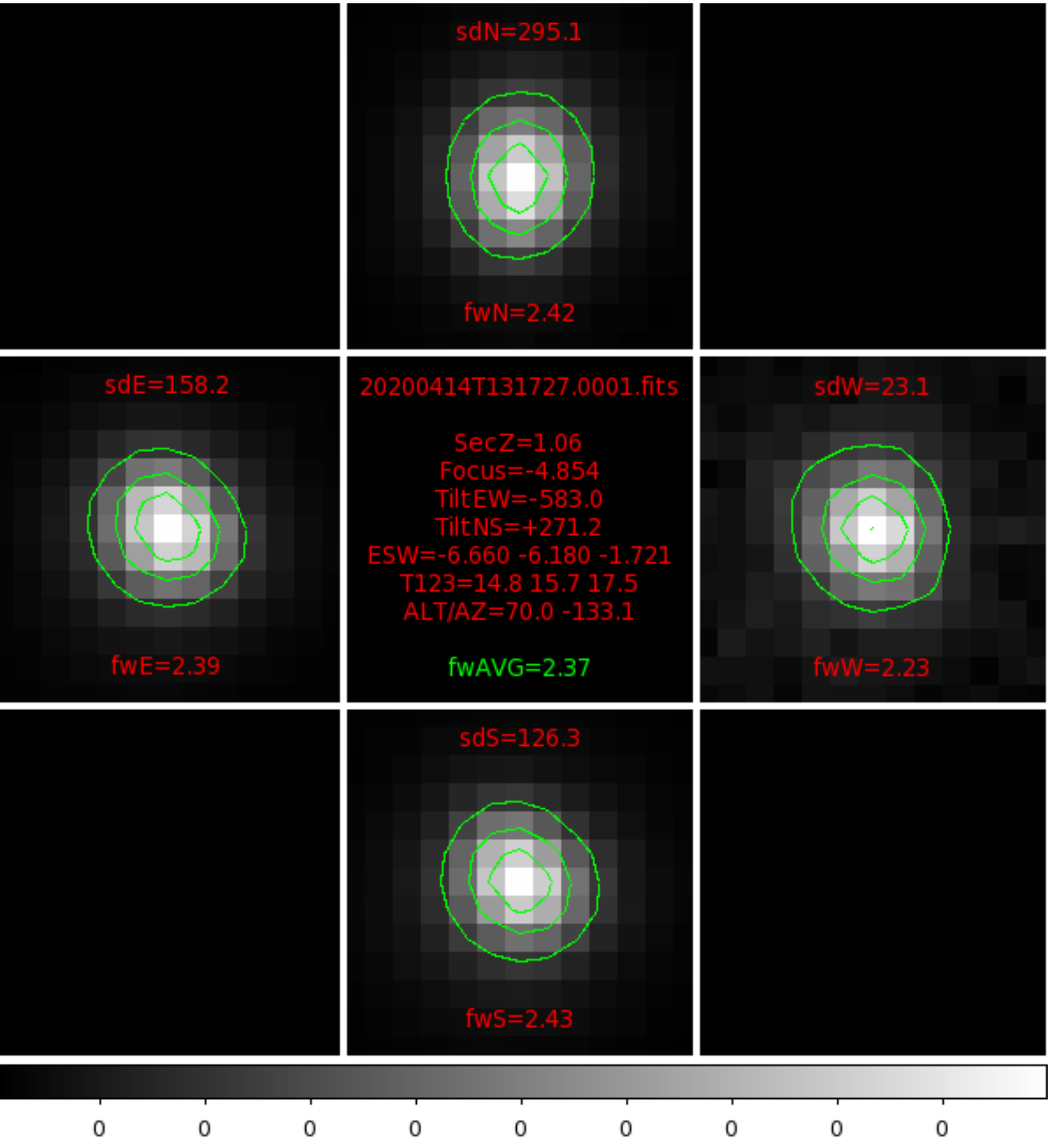
sdN=295.1
fwN=2.42
sdE=158.2
fwE=2.39
20200414T131727.0001.fits
SecZ=1.06
Focus=-4.854
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.660 -6.180 -1.721
T123=14.8 15.7 17.5
ALT/AZ=70.0 -133.1
fwAVG=2.37
sdW=23.1
fwW=2.23
sdS=126.3
fwS=2.43
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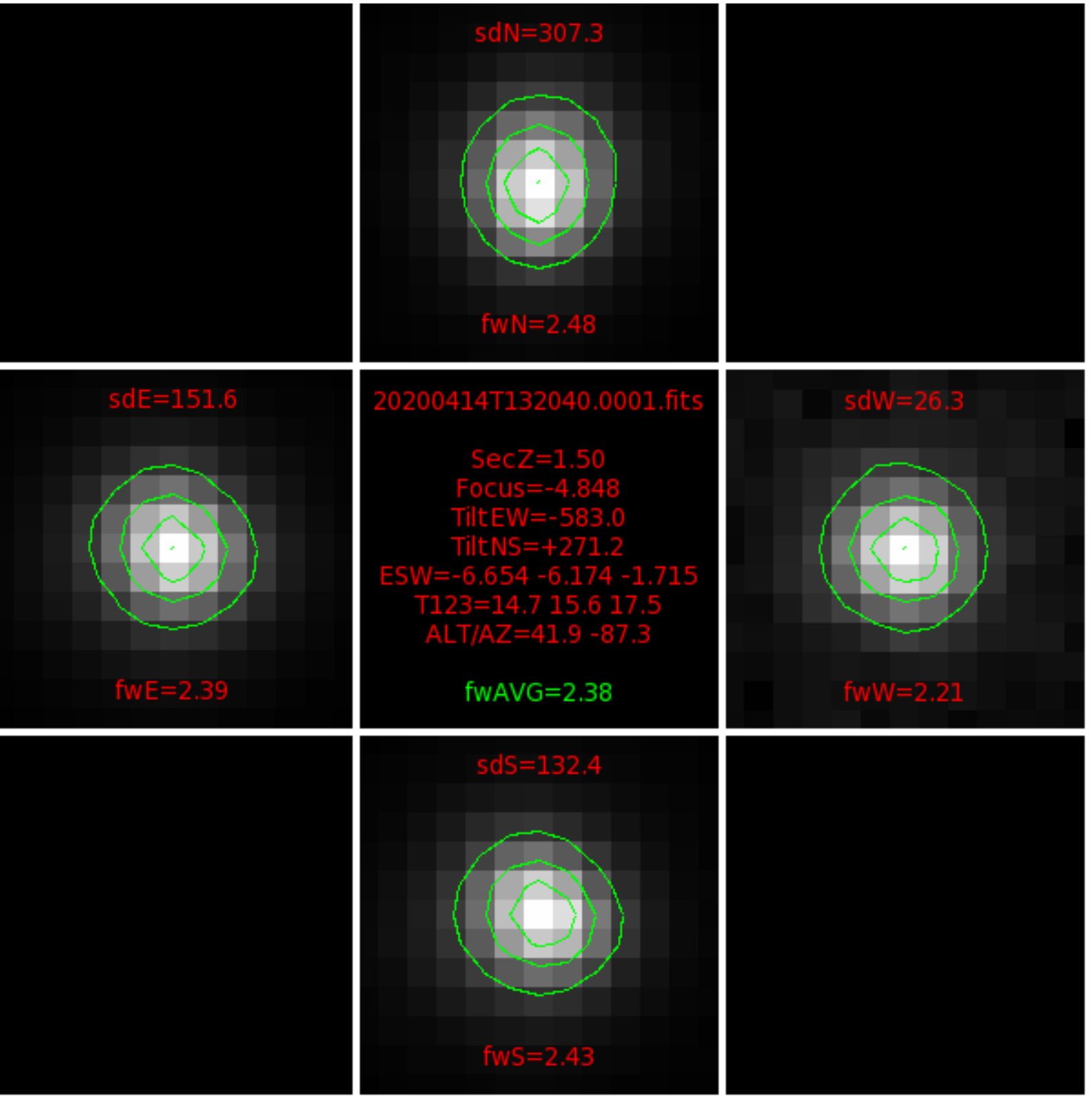
sdN=307.3
fwN=2.48
sdE=151.6
fwE=2.39
20200414T132040.0001.fits
SecZ=1.50
Focus=-4.848
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.654 -6.174 -1.715
T123=14.7 15.6 17.5
ALT/AZ=41.9 -87.3
fwAVG=2.38
sdW=26.3
fwW=2.21
sdS=132.4
fwS=2.43
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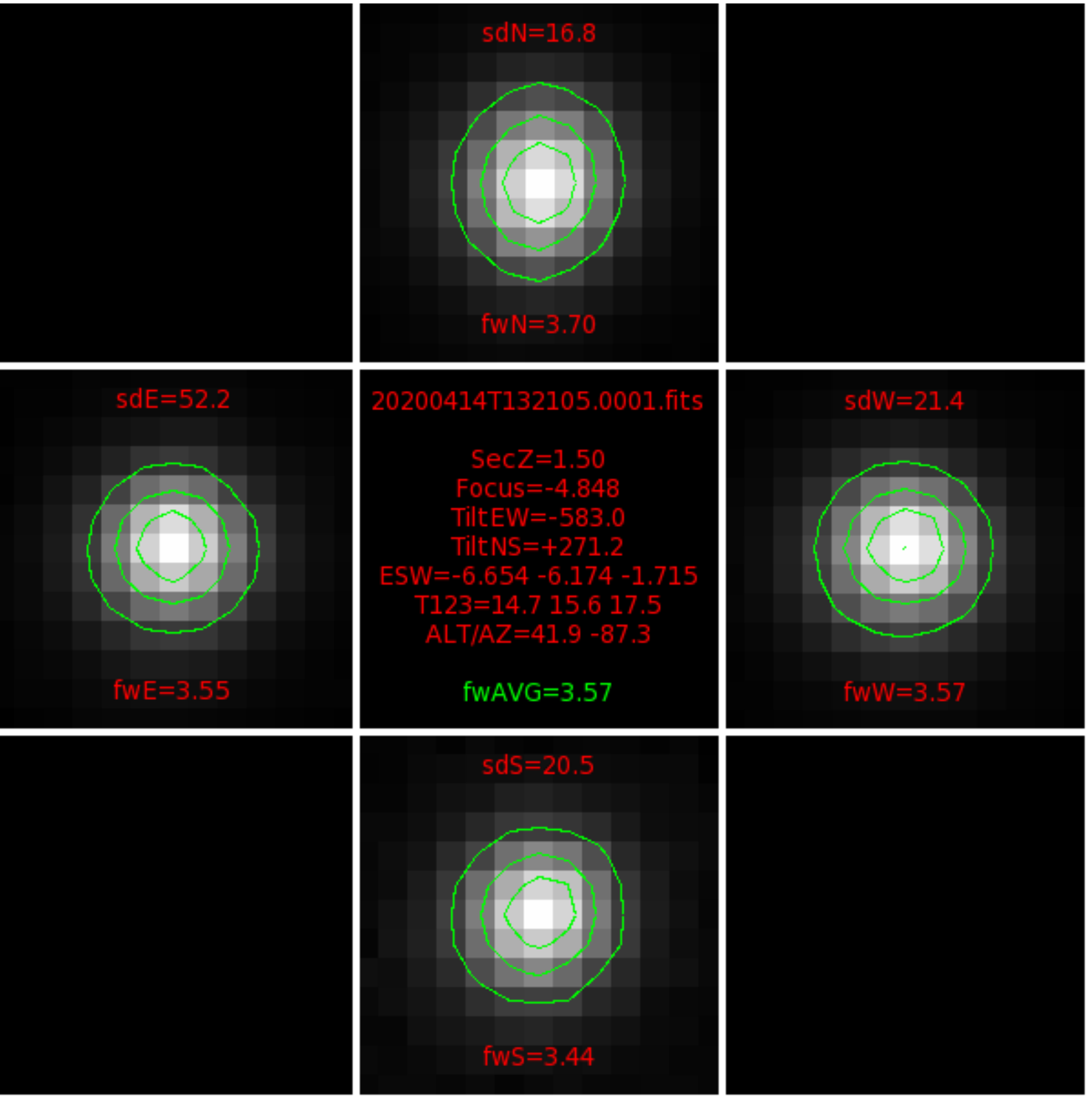
sdN=16.8
fwN=3.70
sdE=52.2
fwE=3.55
20200414T132105.0001.fits
SecZ=1.50
Focus=-4.848
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.654 -6.174 -1.715
T123=14.7 15.6 17.5
ALT/AZ=41.9 -87.3
fwAVG=3.57
sdW=21.4
fwW=3.57
sdS=20.5
fwS=3.44
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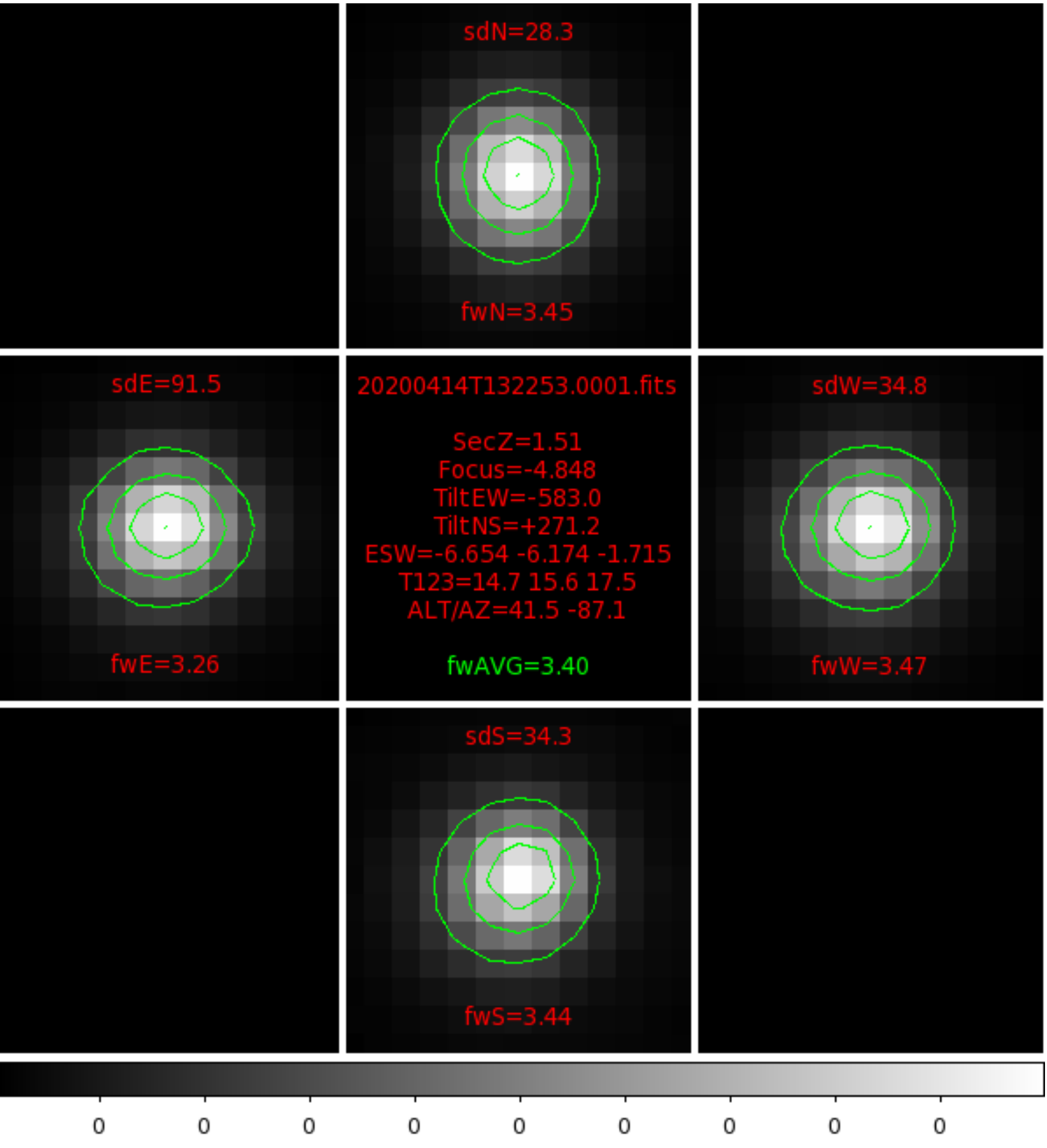
sdN=28.3
fwN=3.45
sdE=91.5
fwE=3.26
20200414T132253.0001.fits
SecZ=1.51
Focus=-4.848
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.654 -6.174 -1.715
T123=14.7 15.6 17.5
ALT/AZ=41.5 -87.1
fwAVG=3.40
sdW=34.8
fwW=3.47
sdS=34.3
fwS=3.44
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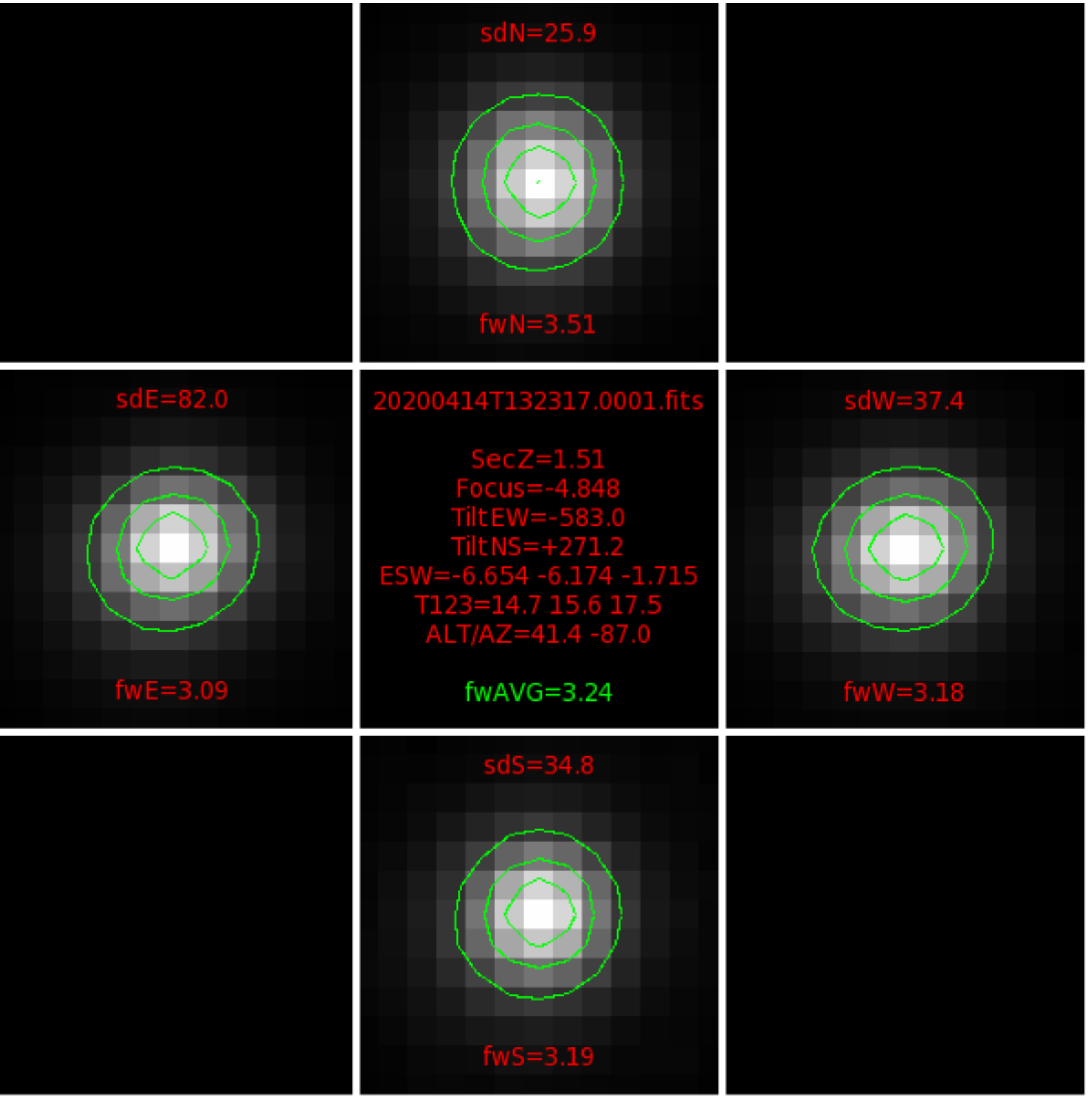
sdN=25.9
fwN=3.51
sdE=82.0
fwE=3.09
20200414T132317.0001.fits
SecZ=1.51
Focus=-4.848
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.654 -6.174 -1.715
T123=14.7 15.6 17.5
ALT/AZ=41.4 -87.0
fwAVG=3.24
sdW=37.4
fwW=3.18
sdS=34.8
fwS=3.19
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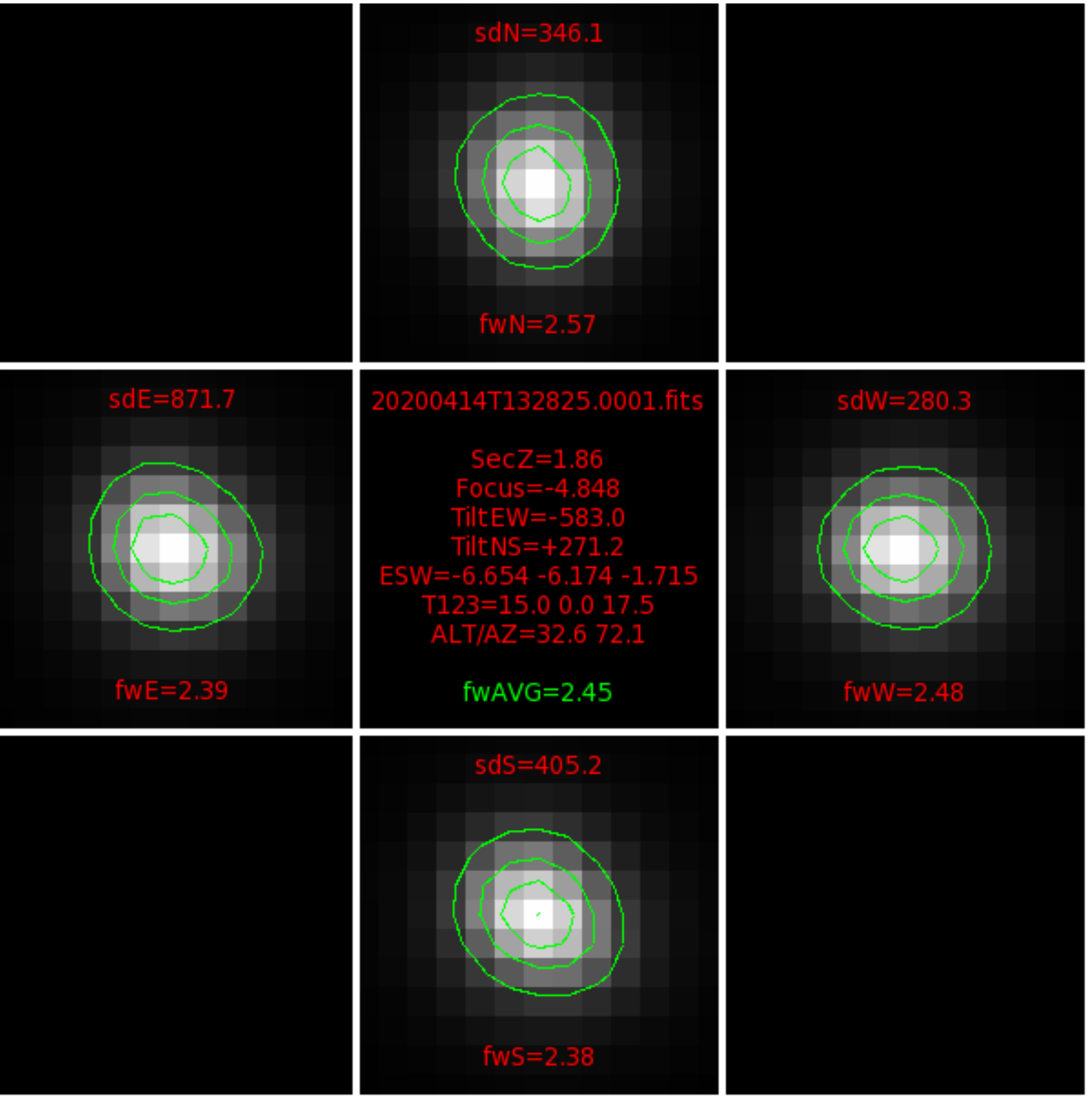
sdN=346.1
fwN=2.57
sdE=871.7
fwE=2.39
20200414T132825.0001.fits
SecZ=1.86
Focus=-4.848
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.654 -6.174 -1.715
T123=15.0 0.0 17.5
ALT/AZ=32.6 72.1
fwAVG=2.45
sdW=280.3
fwW=2.48
sdS=405.2
fwS=2.38
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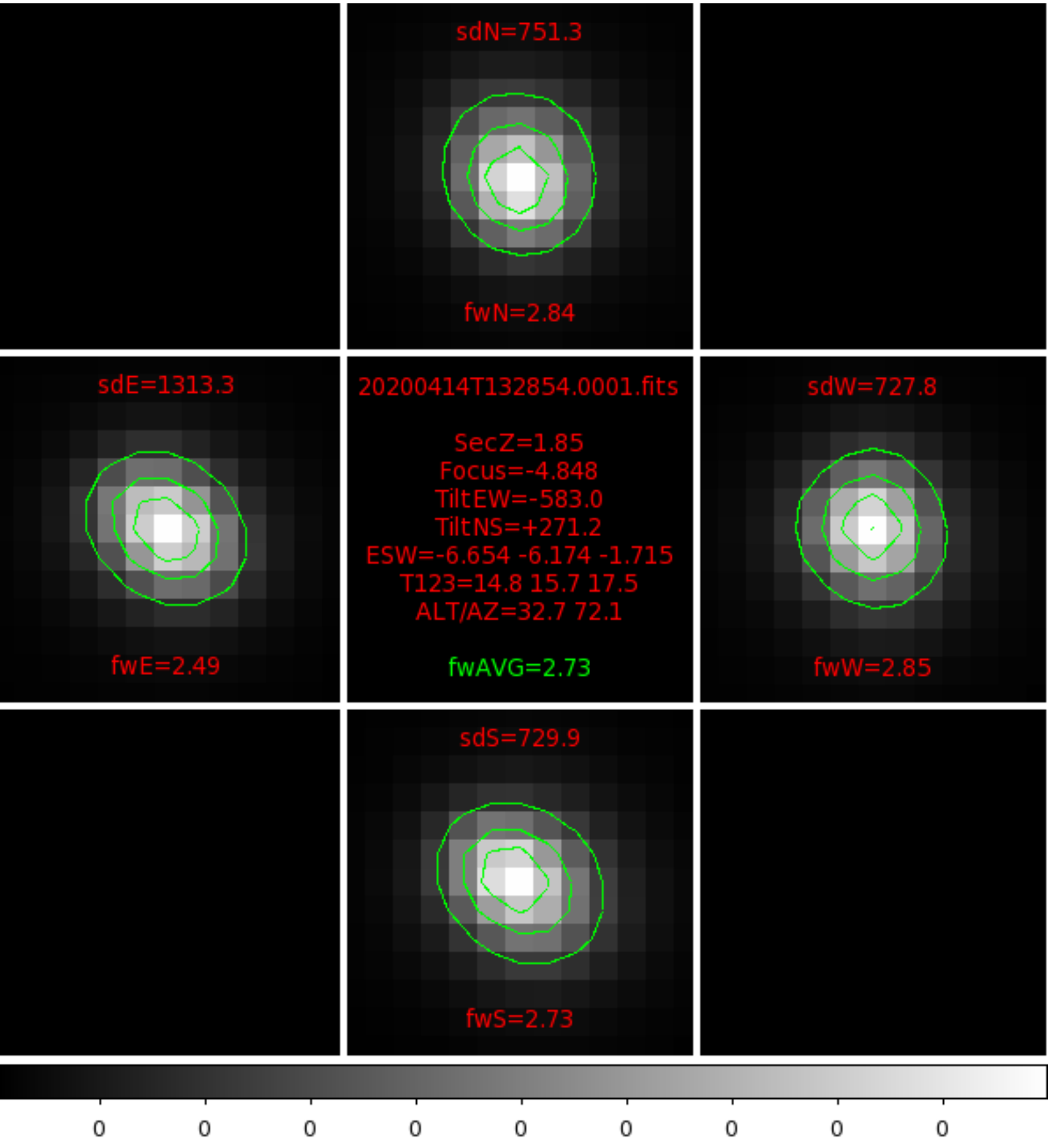
sdN=751.3
fwN=2.84
sdE=1313.3
fwE=2.49
20200414T132854.0001.fits
SecZ=1.85
Focus=-4.848
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.654 -6.174 -1.715
T123=14.8 15.7 17.5
ALT/AZ=32.7 72.1
fwAVG=2.73
sdW=727.8
fwW=2.85
sdS=729.9
fwS=2.73
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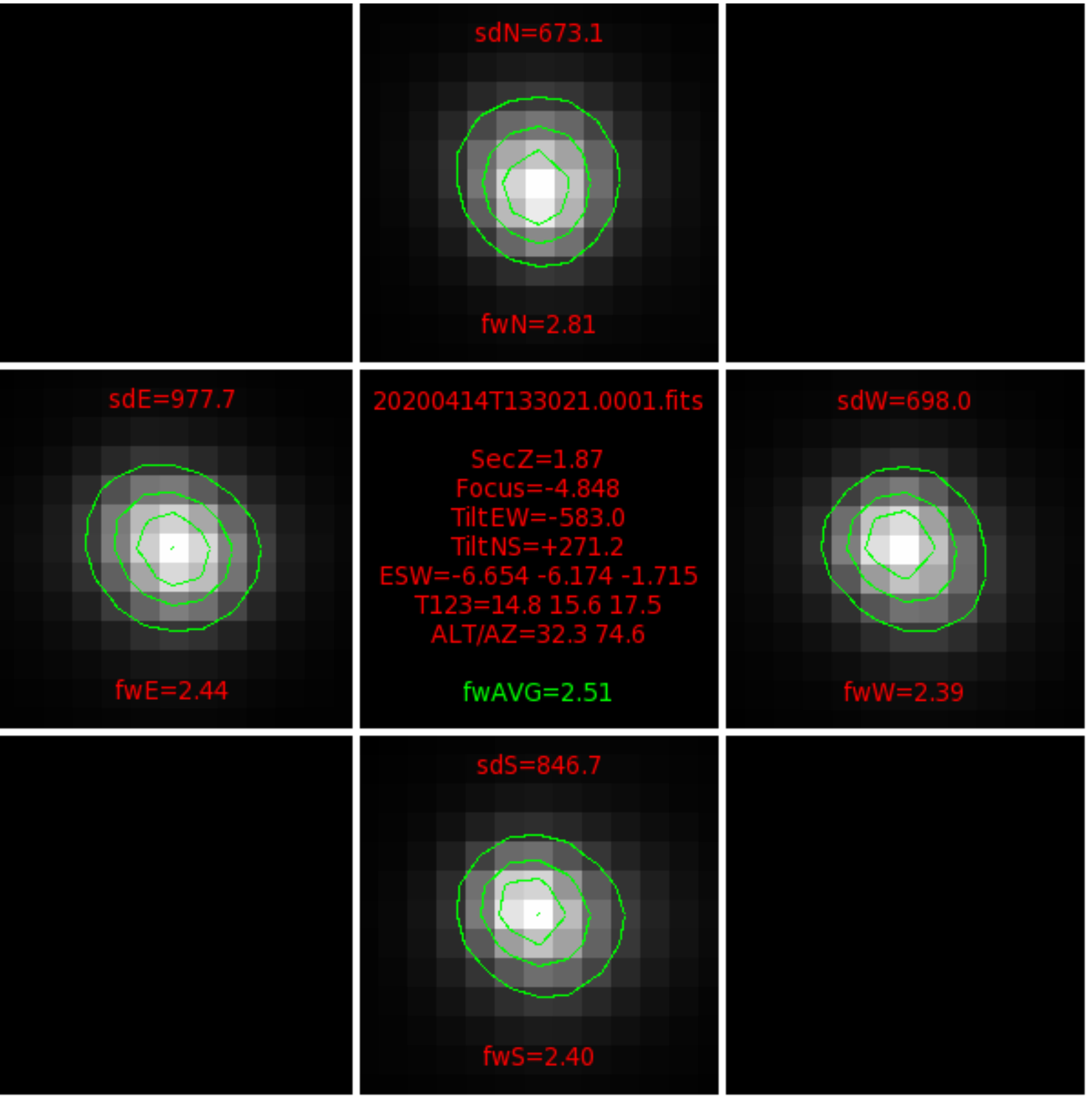
sdN=673.1
fwN=2.81
sdE=977.7
fwE=2.44
20200414T133021.0001.fits
SecZ=1.87
Focus=-4.848
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.654 -6.174 -1.715
T123=14.8 15.6 17.5
ALT/AZ=32.3 74.6
fwAVG=2.51
sdW=698.0
fwW=2.39
sdS=846.7
fwS=2.40
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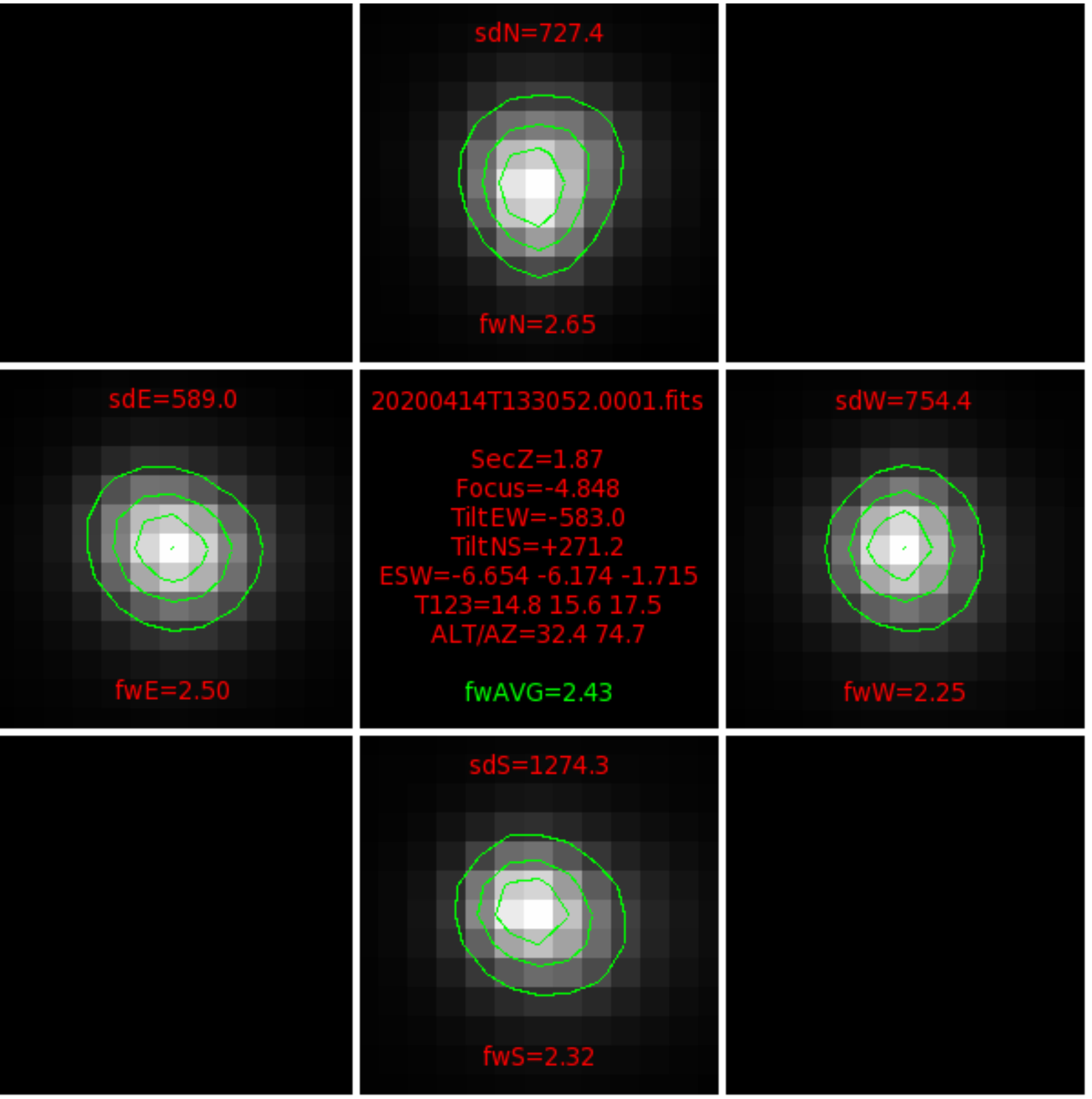
sdN=727.4
fwN=2.65
sdE=589.0
fwE=2.50
20200414T133052.0001.fits
SecZ=1.87
Focus=-4.848
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.654 -6.174 -1.715
T123=14.8 15.6 17.5
ALT/AZ=32.4 74.7
fwAVG=2.43
sdW=754.4
fwW=2.25
sdS=1274.3
fwS=2.32
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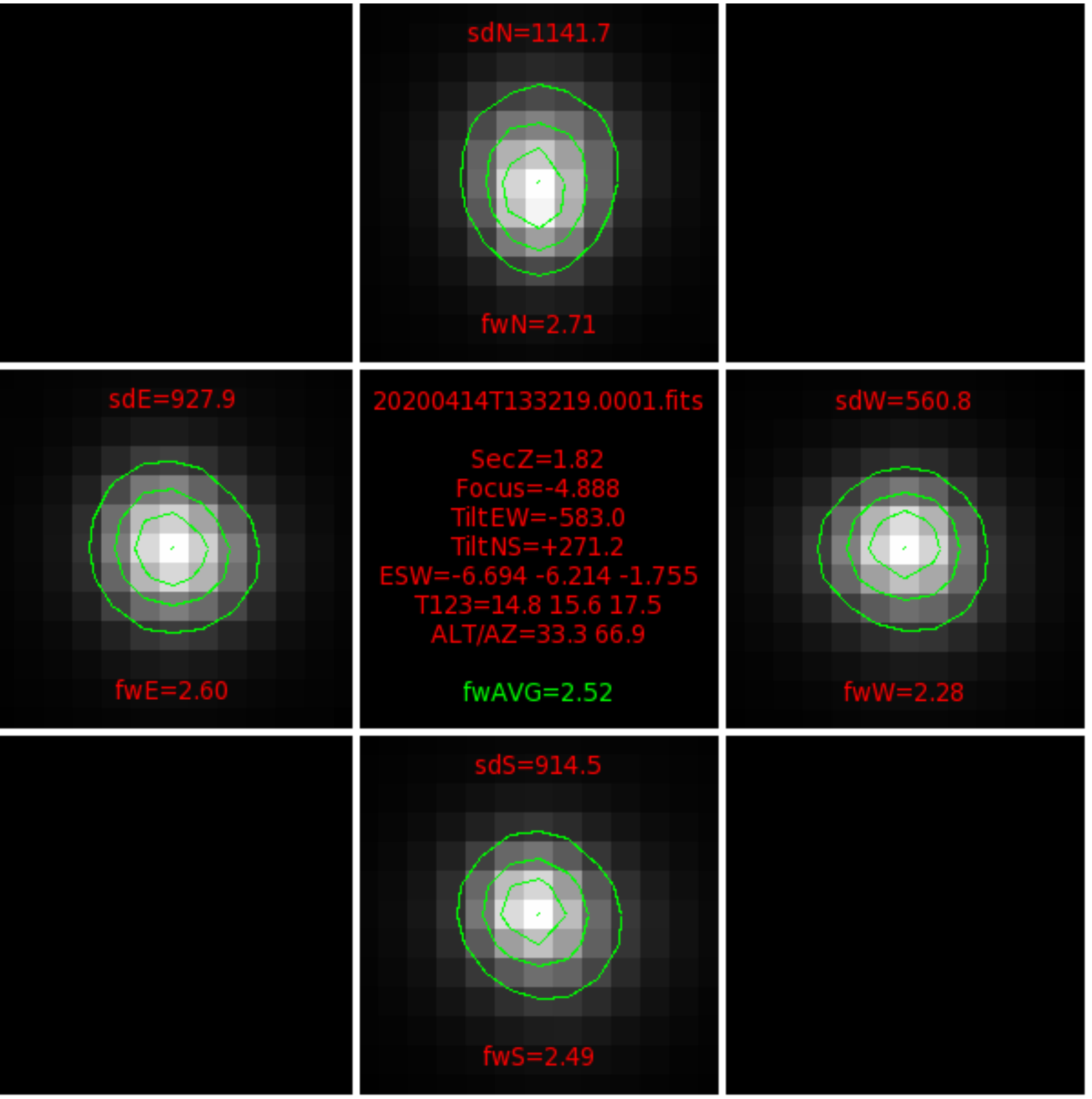
sdN=1141.7
fwN=2.71
sdE=927.9
fwE=2.60
20200414T133219.0001.fits
SecZ=1.82
Focus=-4.888
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.694 -6.214 -1.755
T123=14.8 15.6 17.5
ALT/AZ=33.3 66.9
fwAVG=2.52
sdW=560.8
fwW=2.28
sdS=914.5
fwS=2.49
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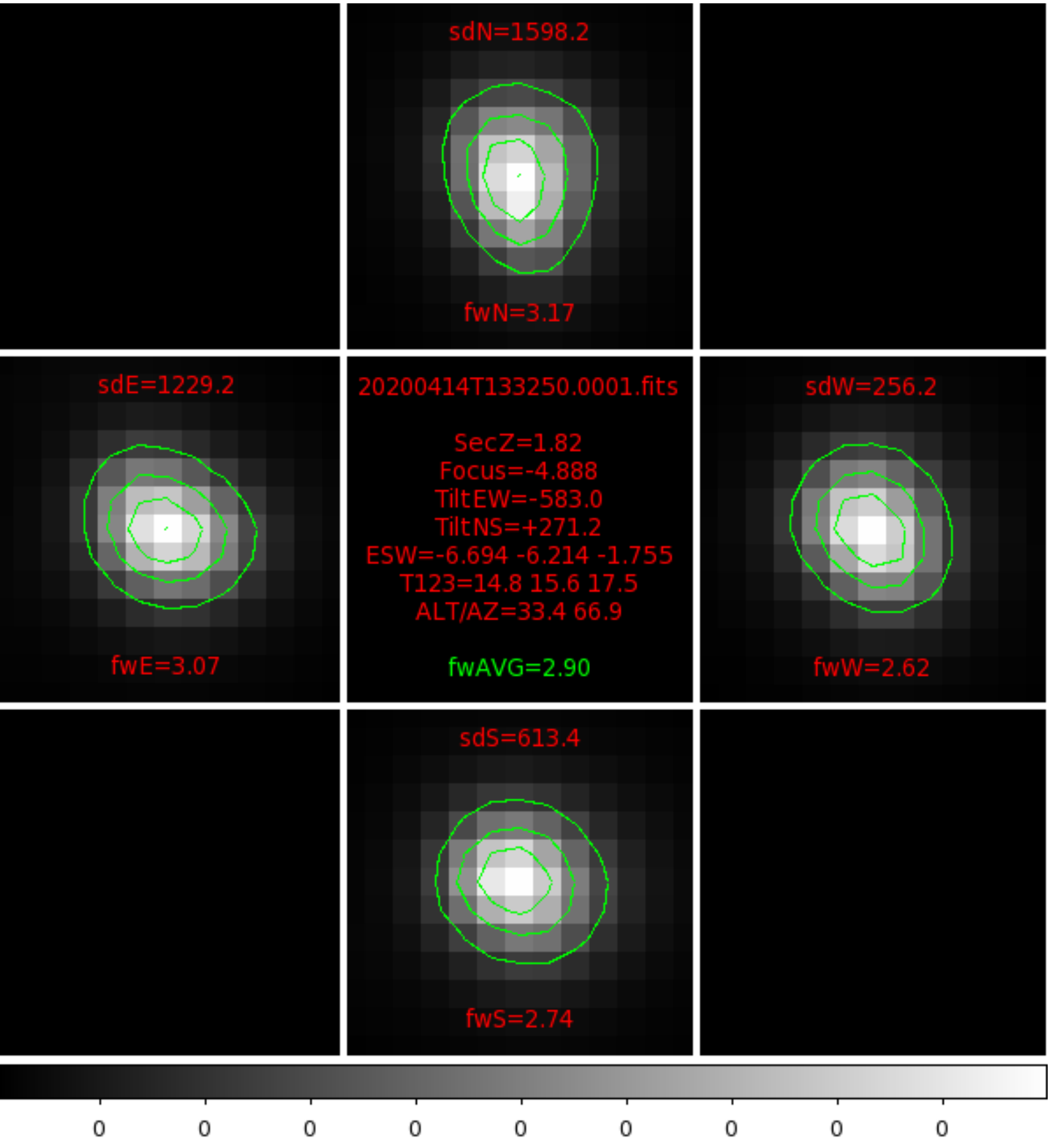
sdN=1598.2
fwN=3.17
sdE=1229.2
fwE=3.07
20200414T133250.0001.fits
SecZ=1.82
Focus=-4.888
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.694 -6.214 -1.755
T123=14.8 15.6 17.5
ALT/AZ=33.4 66.9
fwAVG=2.90
sdW=256.2
fwW=2.62
sdS=613.4
fwS=2.74
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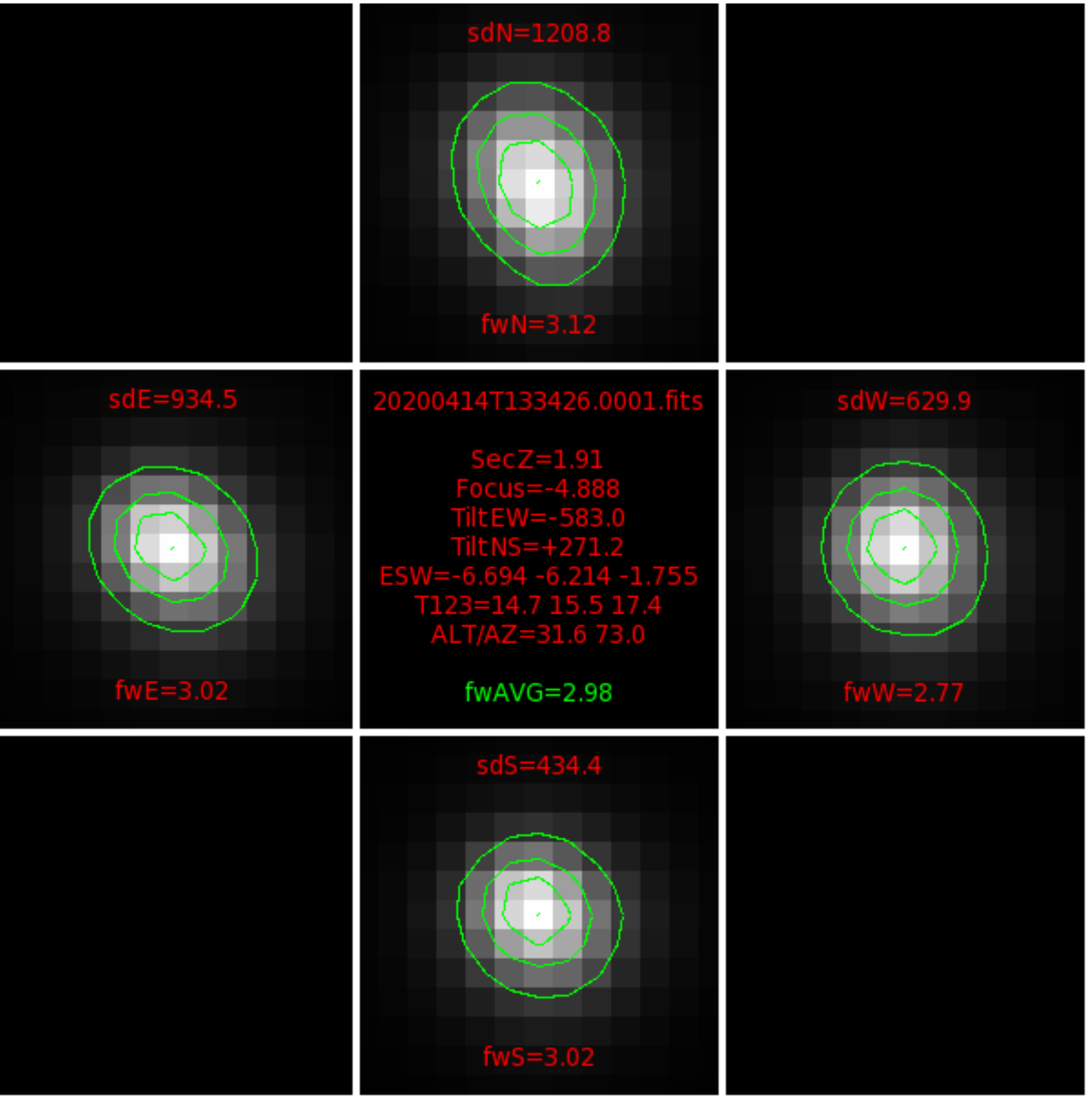
sdN=1208.8
fwN=3.12
sdE=934.5
fwE=3.02
20200414T133426.0001.fits
SecZ=1.91
Focus=-4.888
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.694 -6.214 -1.755
T123=14.7 15.5 17.4
ALT/AZ=31.6 73.0
fwAVG=2.98
sdW=629.9
fwW=2.77
sdS=434.4
fwS=3.02
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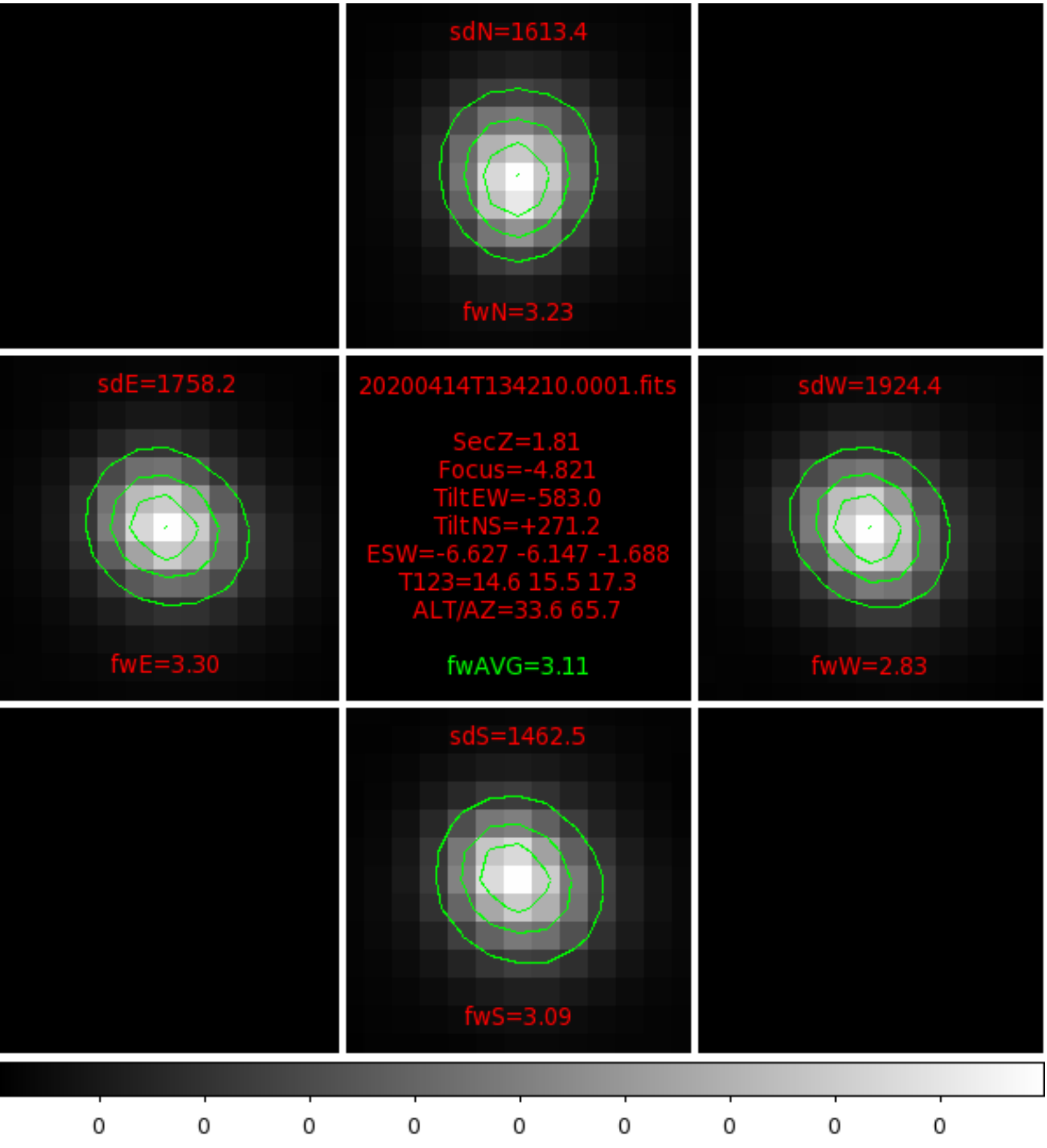
sdN=1613.4
fwN=3.23
sdE=1758.2
fwE=3.30
20200414T134210.0001.fits
SecZ=1.81
Focus=-4.821
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.627 -6.147 -1.688
T123=14.6 15.5 17.3
ALT/AZ=33.6 65.7
fwAVG=3.11
sdW=1924.4
fwW=2.83
sdS=1462.5
fwS=3.09
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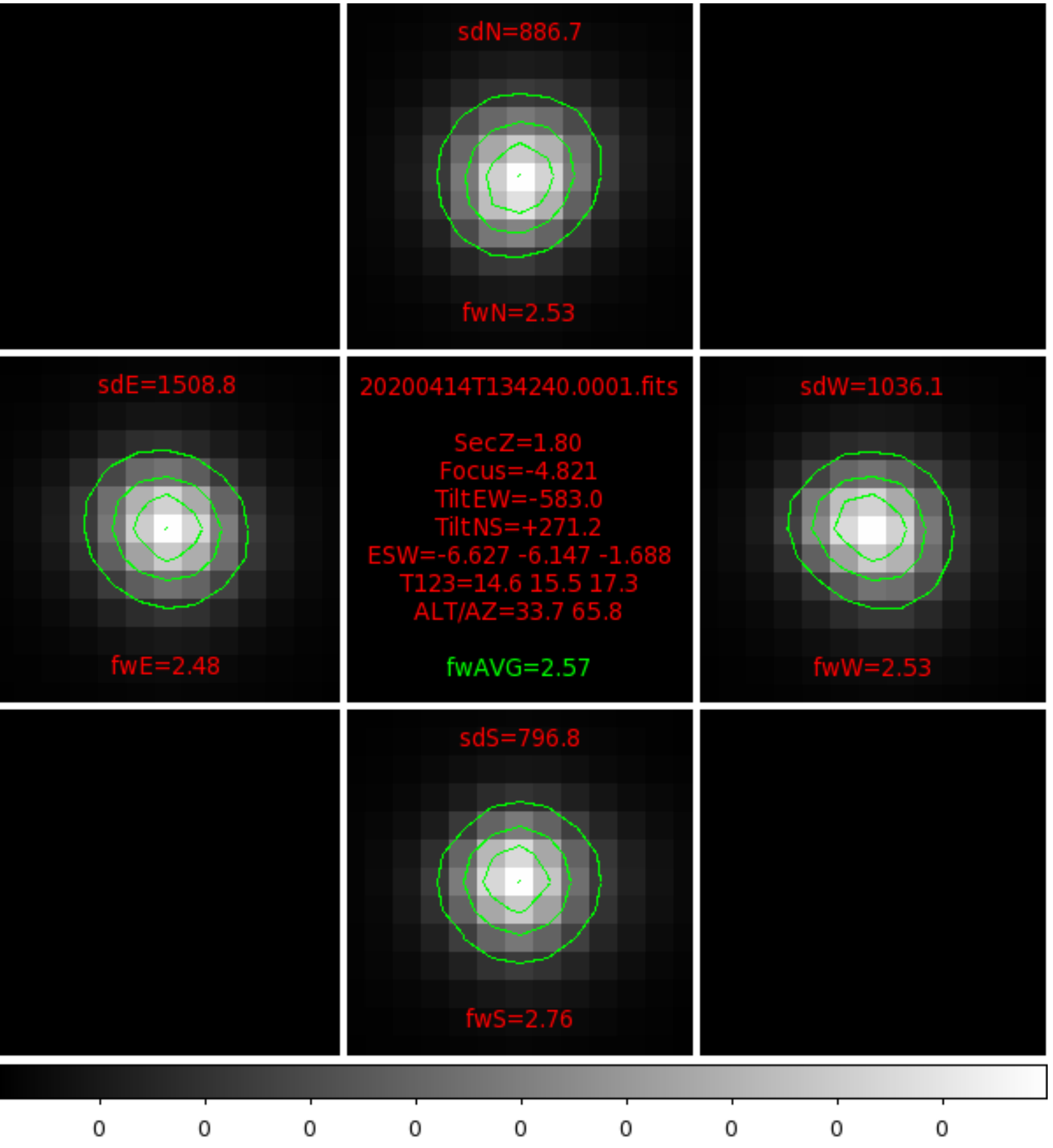
sdN=886.7
fwN=2.53
sdE=1508.8
fwE=2.48
20200414T134240.0001.fits
SecZ=1.80
Focus=-4.821
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.627 -6.147 -1.688
T123=14.6 15.5 17.3
ALT/AZ=33.7 65.8
fwAVG=2.57
sdW=1036.1
fwW=2.53
sdS=796.8
fwS=2.76
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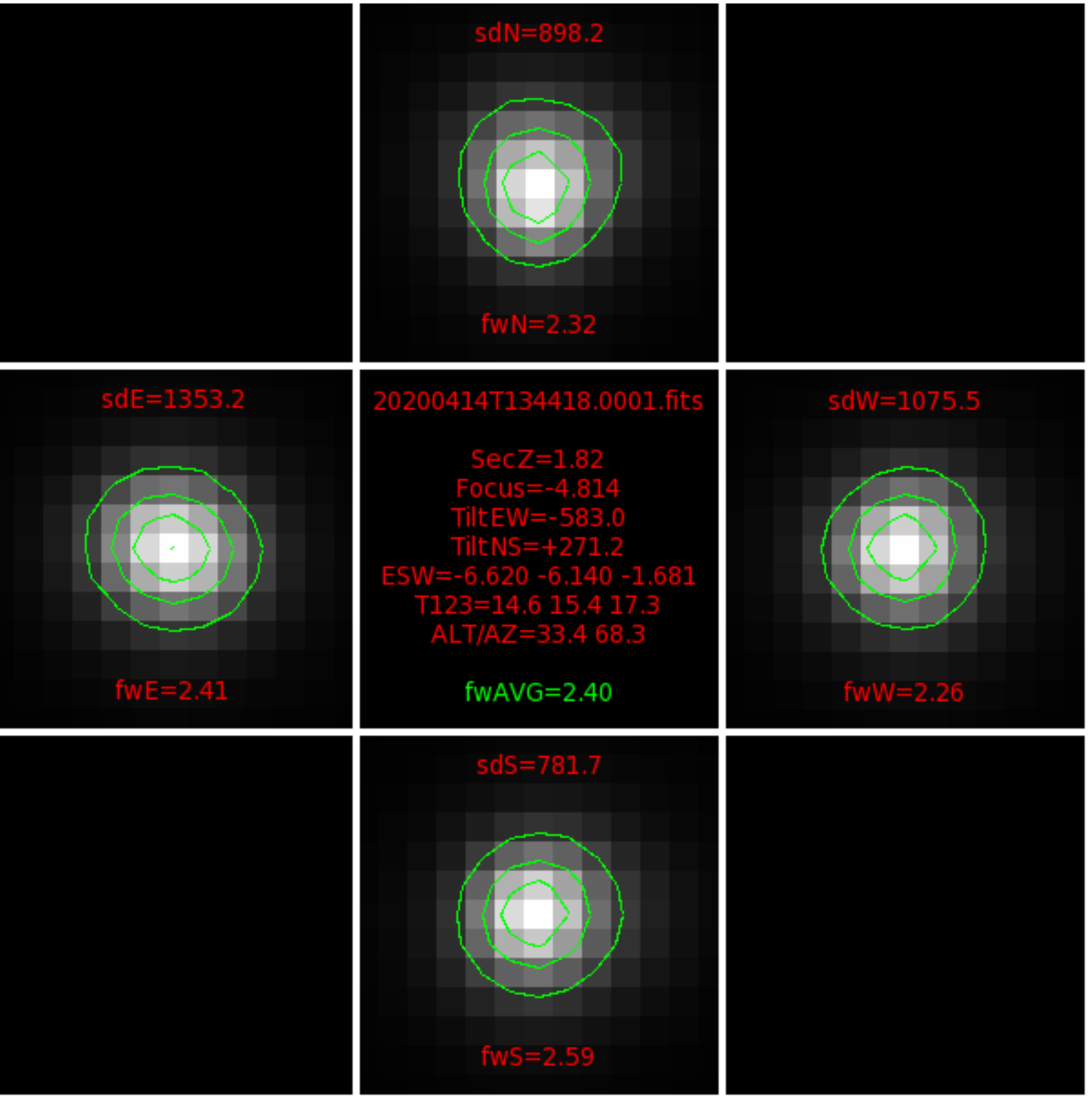
sdN=898.2
fwN=2.32
sdE=1353.2
fwE=2.41
20200414T134418.0001.fits
SecZ=1.82
Focus=-4.814
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.620 -6.140 -1.681
T123=14.6 15.4 17.3
ALT/AZ=33.4 68.3
fwAVG=2.40
sdW=1075.5
fwW=2.26
sdS=781.7
fwS=2.59
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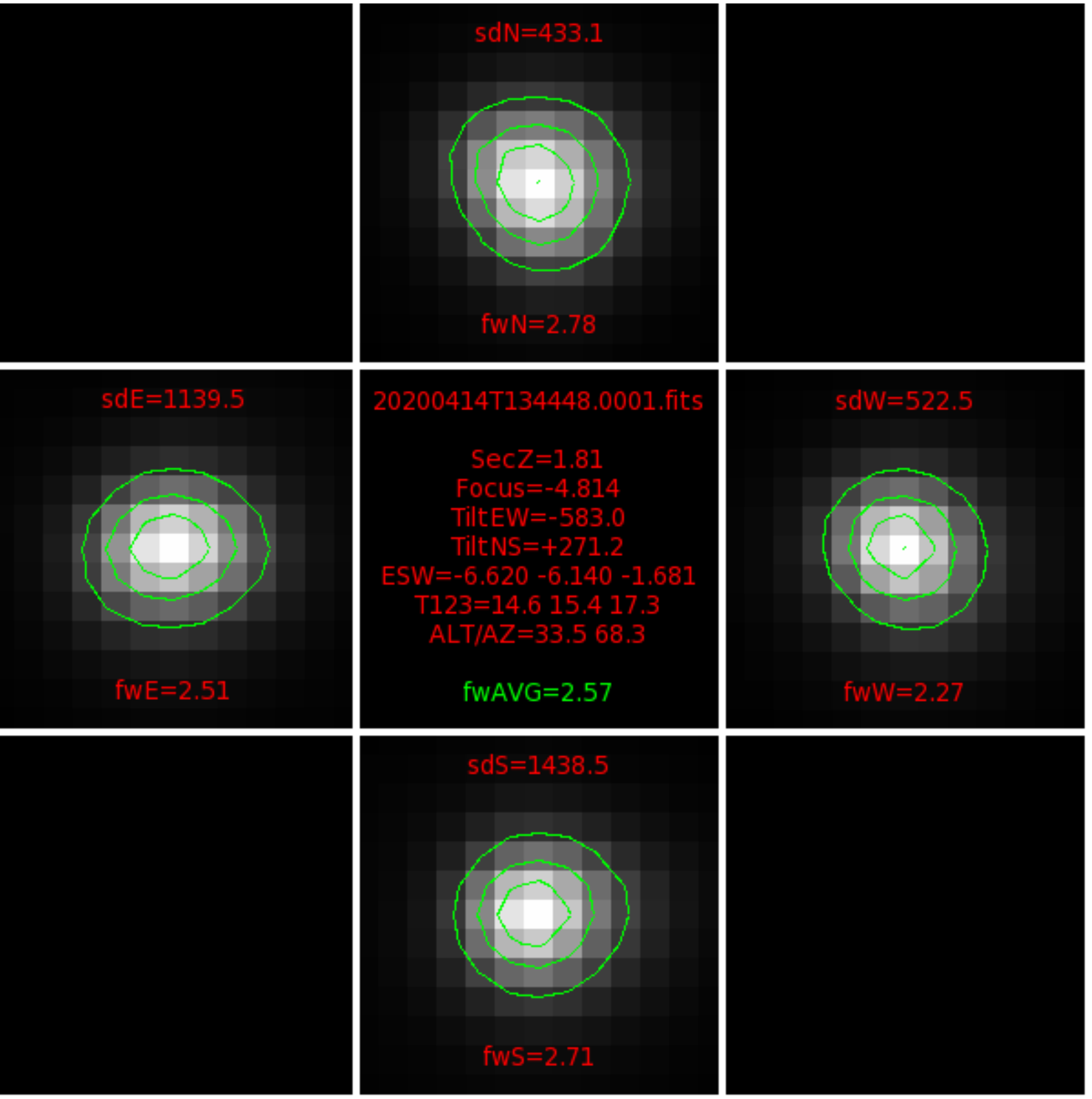
sdN=433.1
fwN=2.78
sdE=1139.5
fwE=2.51
20200414T134448.0001.fits
SecZ=1.81
Focus=-4.814
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.620 -6.140 -1.681
T123=14.6 15.4 17.3
ALT/AZ=33.5 68.3
fwAVG=2.57
sdW=522.5
fwW=2.27
sdS=1438.5
fwS=2.71
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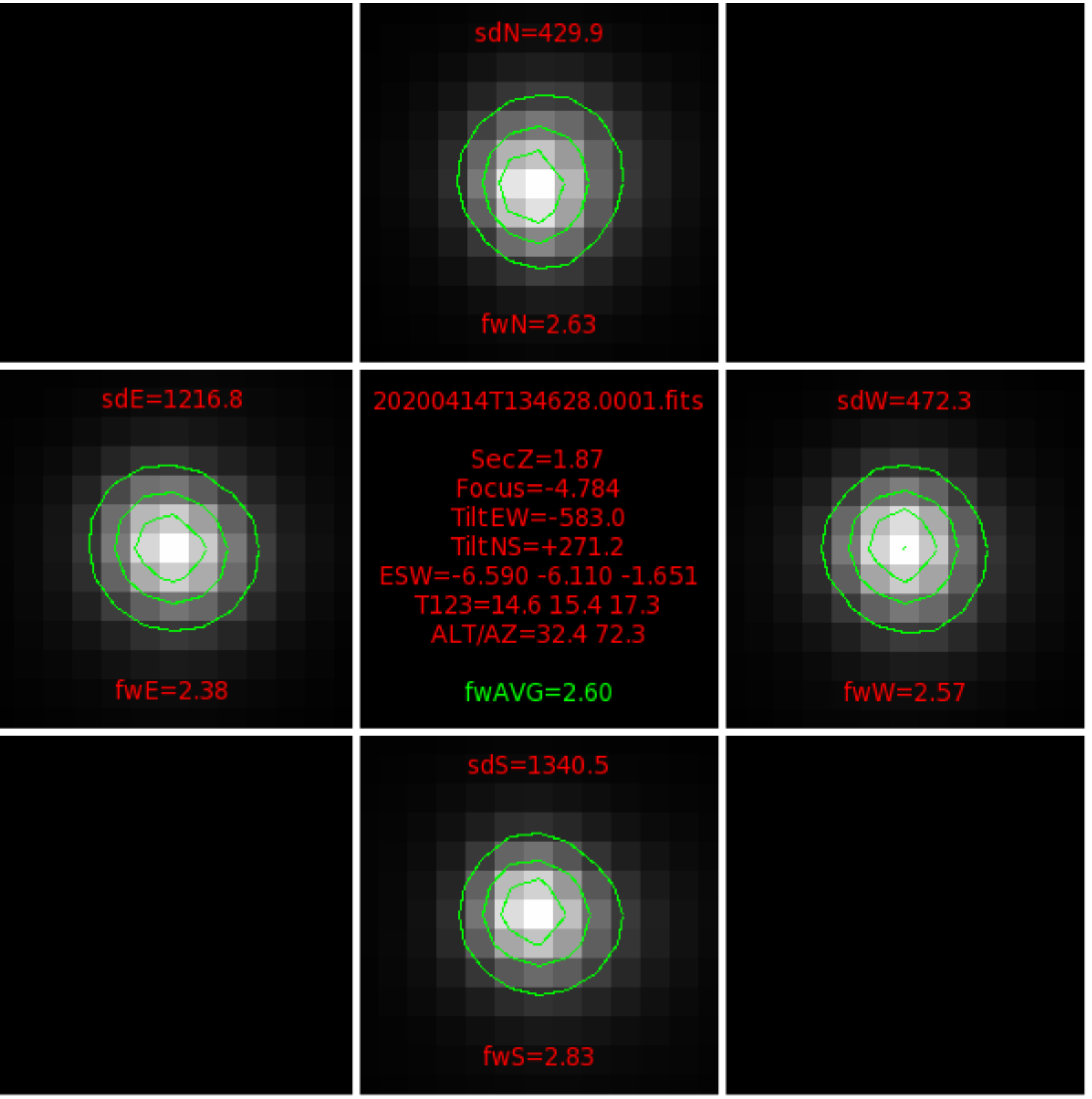
sdN=429.9
fwN=2.63
sdE=1216.8
fwE=2.38
20200414T134628.0001.fits
SecZ=1.87
Focus=-4.784
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.590 -6.110 -1.651
T123=14.6 15.4 17.3
ALT/AZ=32.4 72.3
fwAVG=2.60
sdW=472.3
fwW=2.57
sdS=1340.5
fwS=2.83
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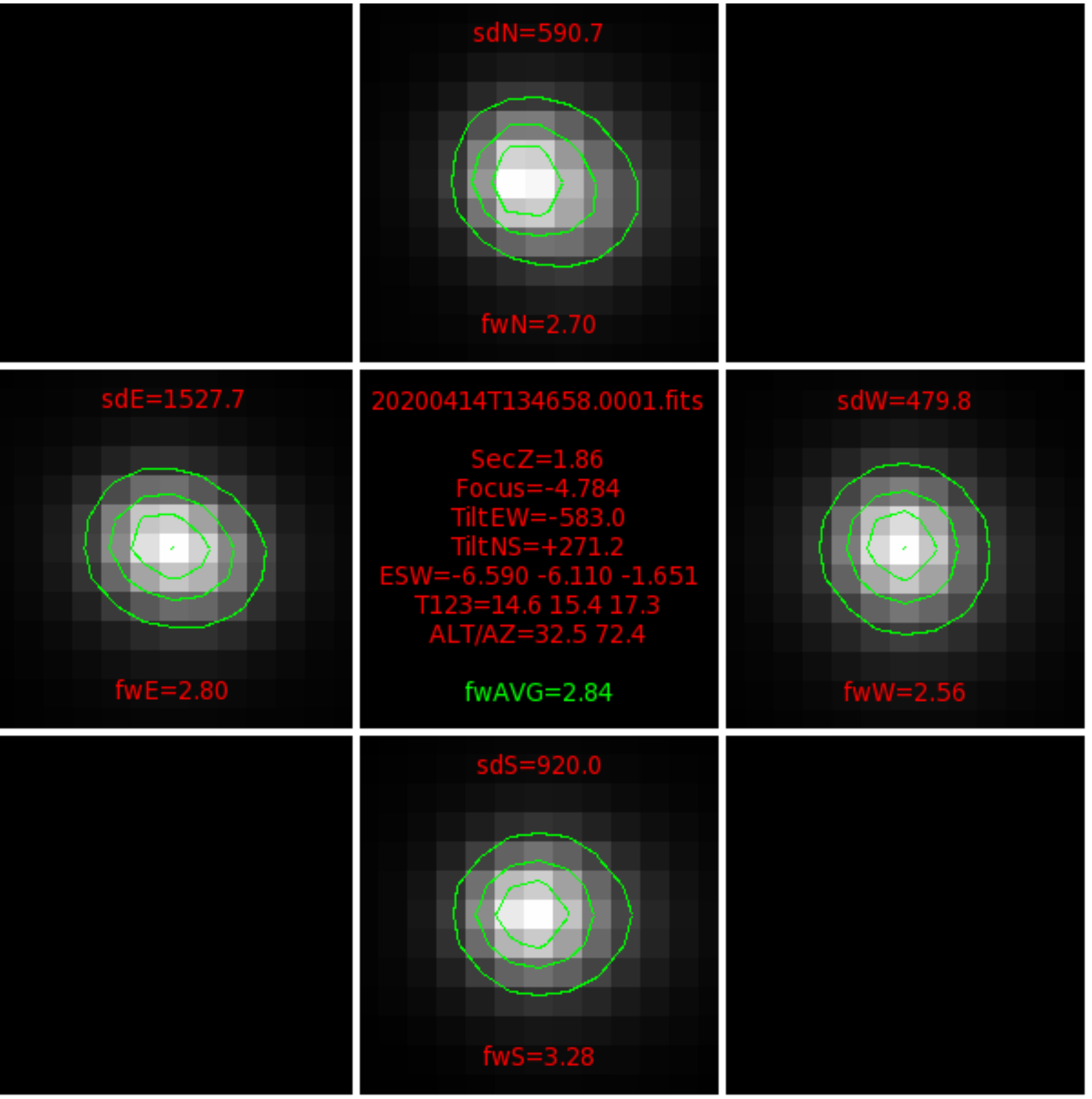
sdN=590.7
fwN=2.70
sdE=1527.7
fwE=2.80
20200414T134658.0001.fits
SecZ=1.86
Focus=-4.784
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.590 -6.110 -1.651
T123=14.6 15.4 17.3
ALT/AZ=32.5 72.4
fwAVG=2.84
sdW=479.8
fwW=2.56
sdS=920.0
fwS=3.28
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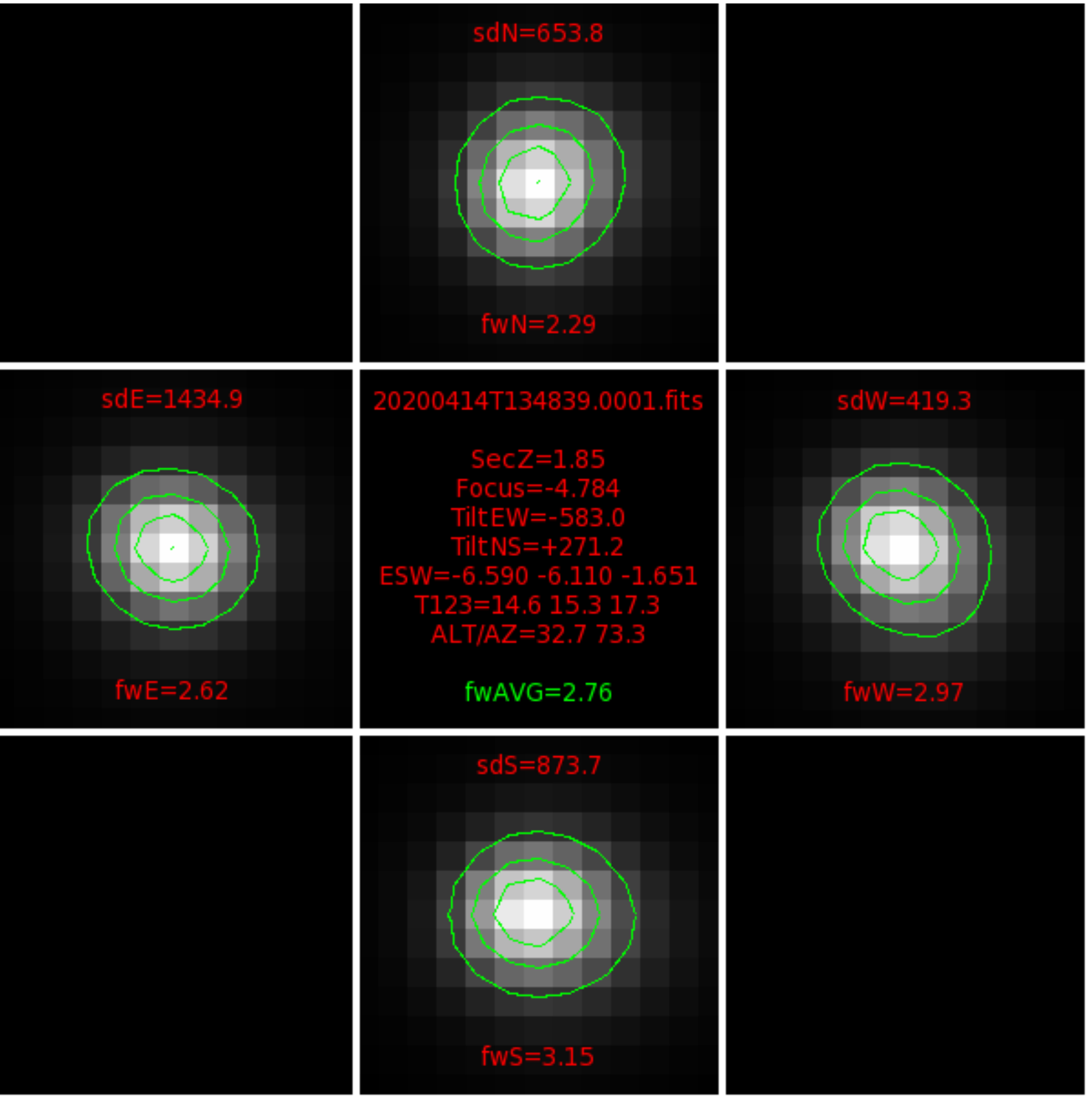
sdN=653.8
fwN=2.29
sdE=1434.9
fwE=2.62
20200414T134839.0001.fits
SecZ=1.85
Focus=-4.784
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.590 -6.110 -1.651
T123=14.6 15.3 17.3
ALT/AZ=32.7 73.3
fwAVG=2.76
sdW=419.3
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sdS=873.7
fwS=3.15
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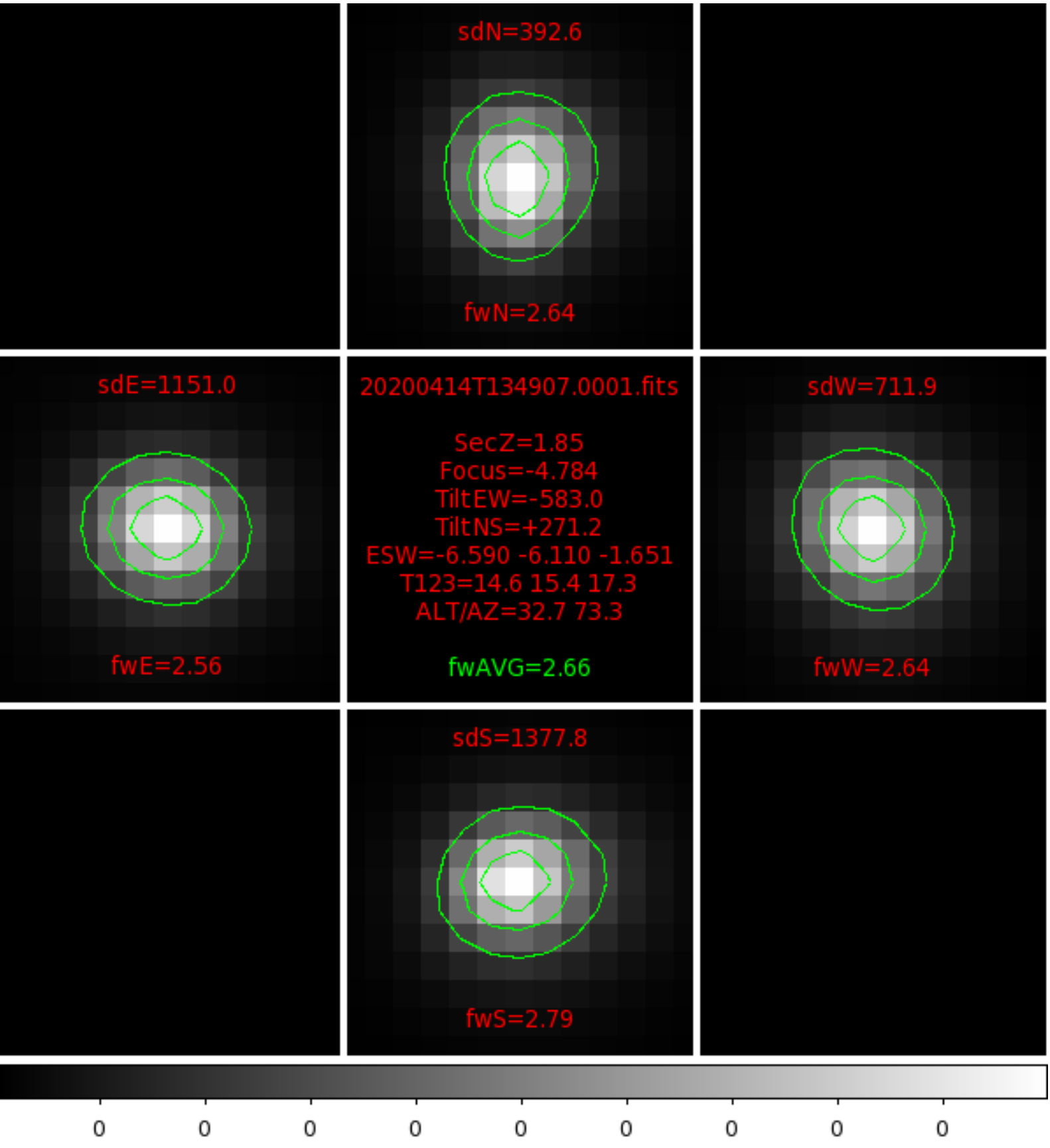
sdN=392.6
fwN=2.64
sdE=1151.0
fwE=2.56
20200414T134907.0001.fits
SecZ=1.85
Focus=-4.784
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.590 -6.110 -1.651
T123=14.6 15.4 17.3
ALT/AZ=32.7 73.3
fwAVG=2.66
sdW=711.9
fwW=2.64
sdS=1377.8
fwS=2.79
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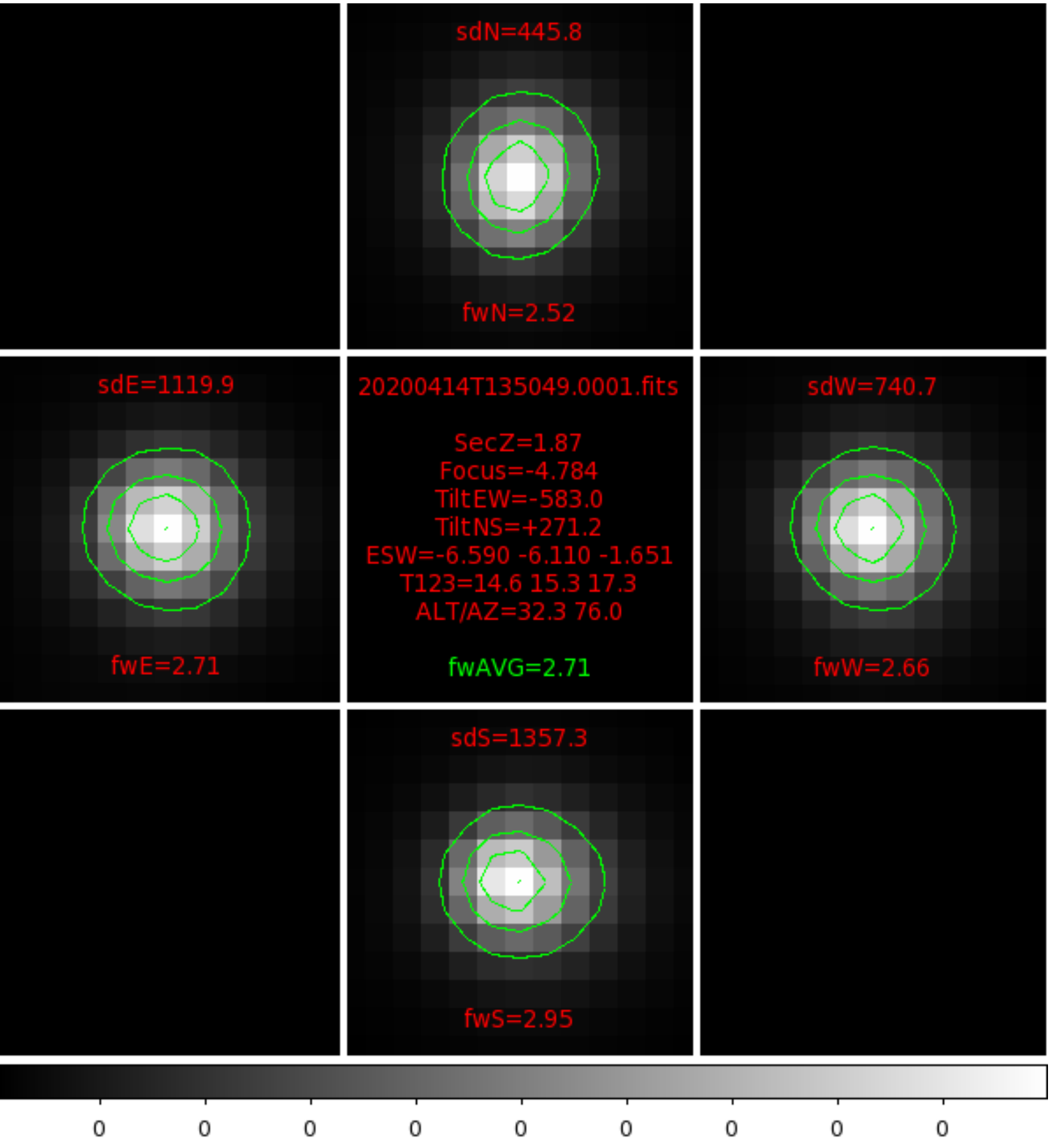
sdN=445.8
fwN=2.52
sdE=1119.9
fwE=2.71
20200414T135049.0001.fits
SecZ=1.87
Focus=-4.784
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.590 -6.110 -1.651
T123=14.6 15.3 17.3
ALT/AZ=32.3 76.0
fwAVG=2.71
sdW=740.7
fwW=2.66
sdS=1357.3
fwS=2.95
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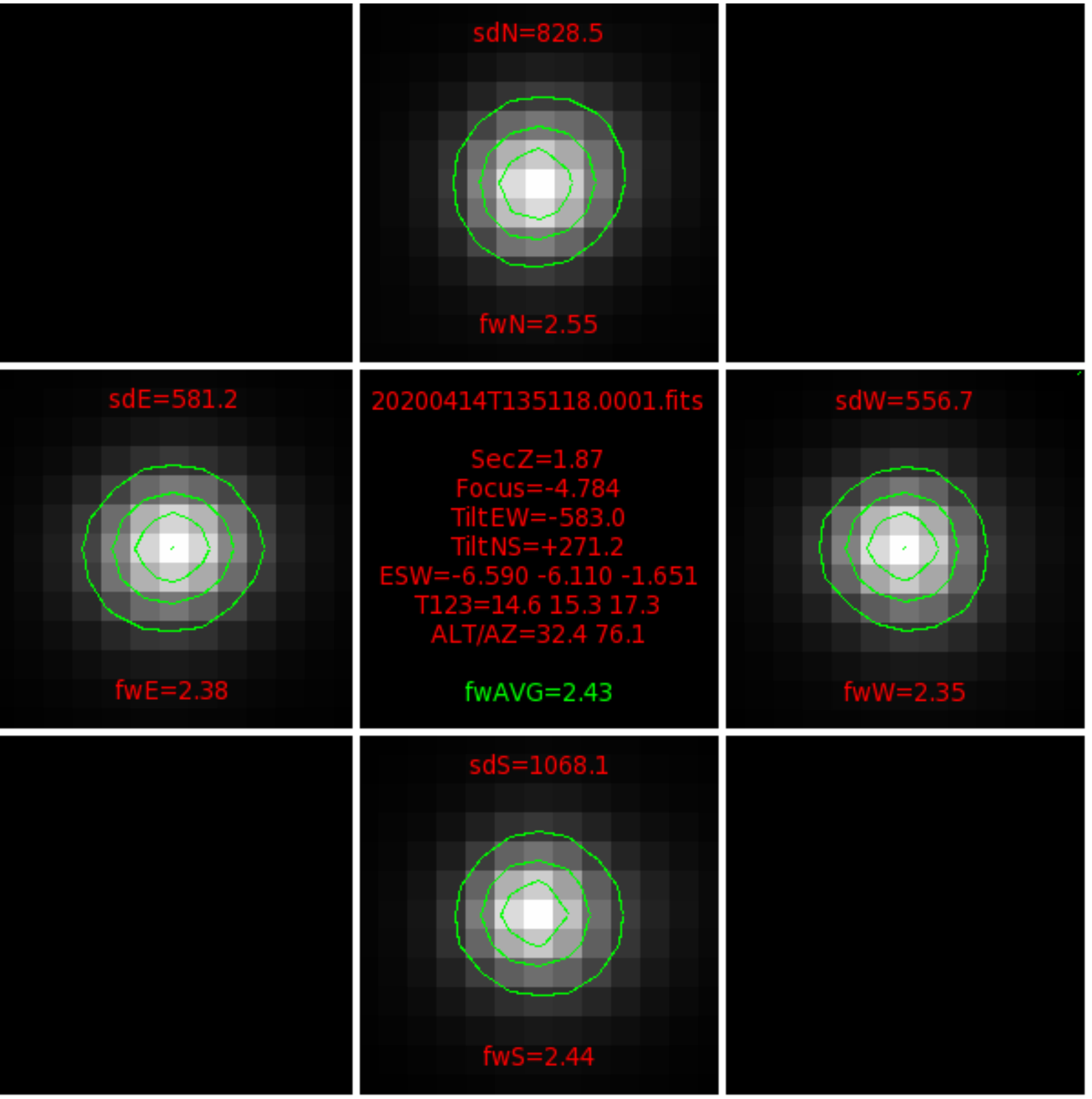
sdN=828.5
fwN=2.55
sdE=581.2
fwE=2.38
20200414T135118.0001.fits
SecZ=1.87
Focus=-4.784
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.590 -6.110 -1.651
T123=14.6 15.3 17.3
ALT/AZ=32.4 76.1
fwAVG=2.43
sdW=556.7
fwW=2.35
sdS=1068.1
fwS=2.44
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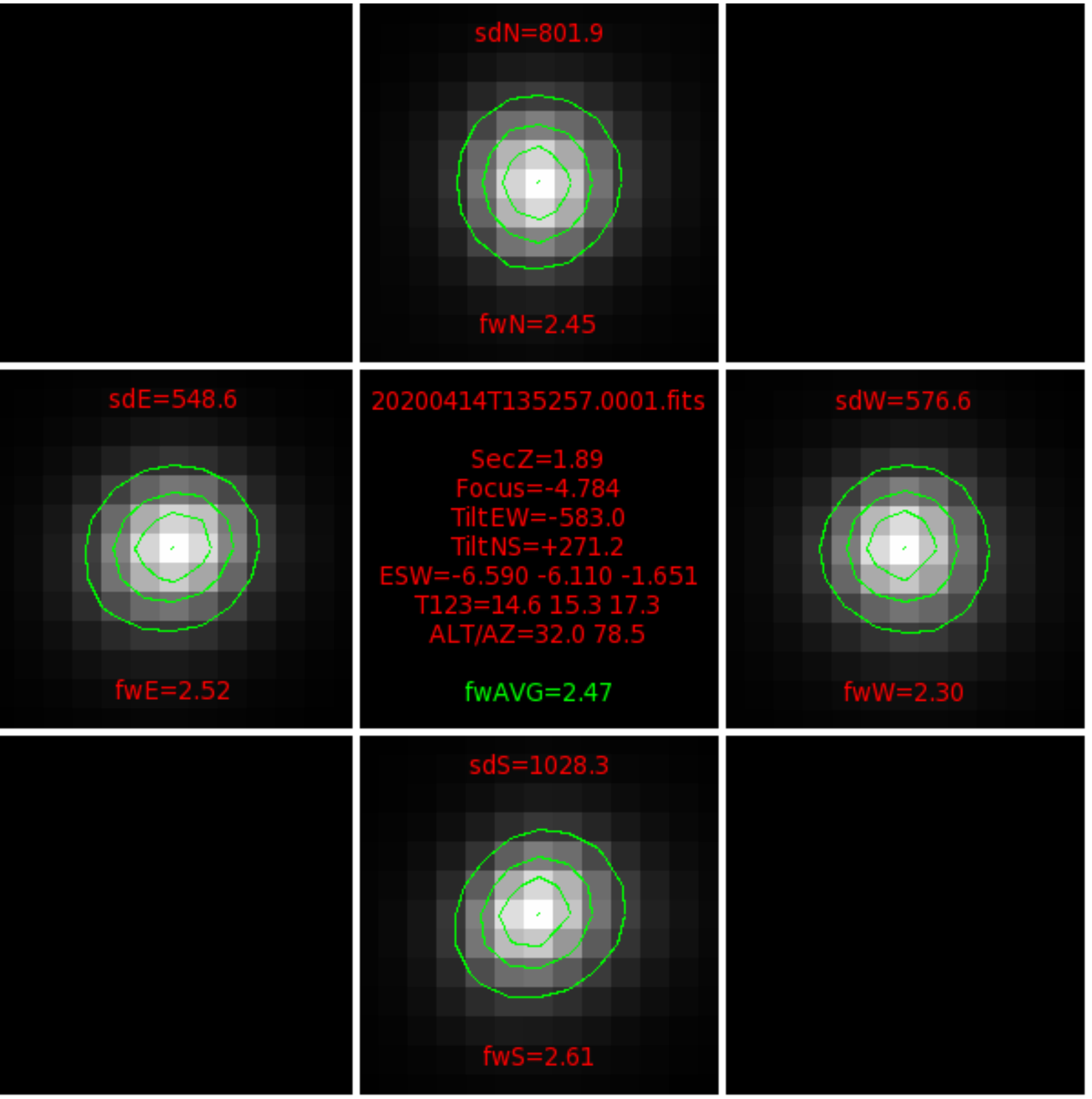
sdN=801.9
fwN=2.45
sdE=548.6
fwE=2.52
20200414T135257.0001.fits
SecZ=1.89
Focus=-4.784
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.590 -6.110 -1.651
T123=14.6 15.3 17.3
ALT/AZ=32.0 78.5
fwAVG=2.47
sdW=576.6
fwW=2.30
sdS=1028.3
fwS=2.61
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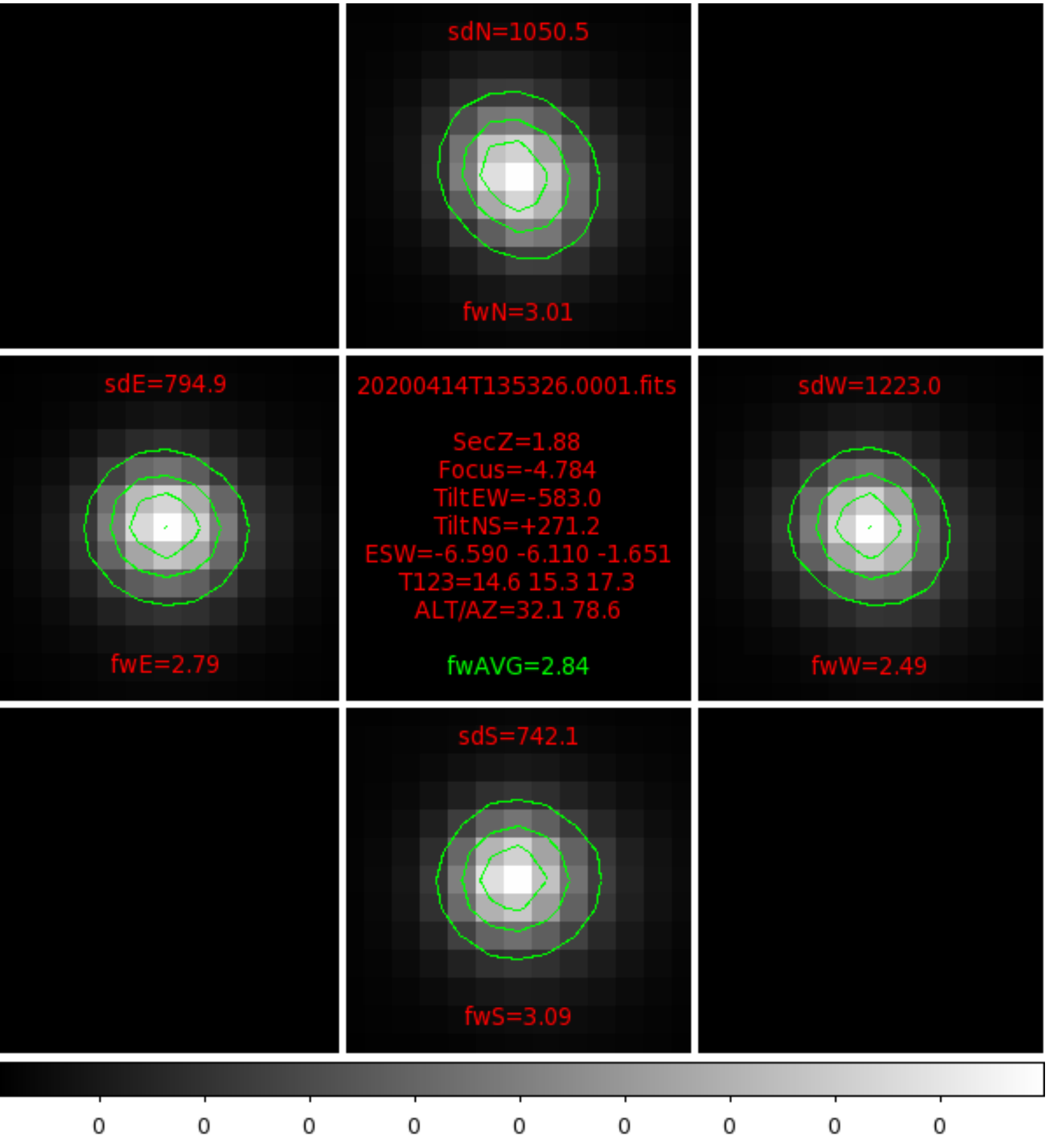
sdN=1050.5
fwN=3.01
sdE=794.9
fwE=2.79
20200414T135326.0001.fits
SecZ=1.88
Focus=-4.784
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.590 -6.110 -1.651
T123=14.6 15.3 17.3
ALT/AZ=32.1 78.6
fwAVG=2.84
sdW=1223.0
fwW=2.49
sdS=742.1
fwS=3.09
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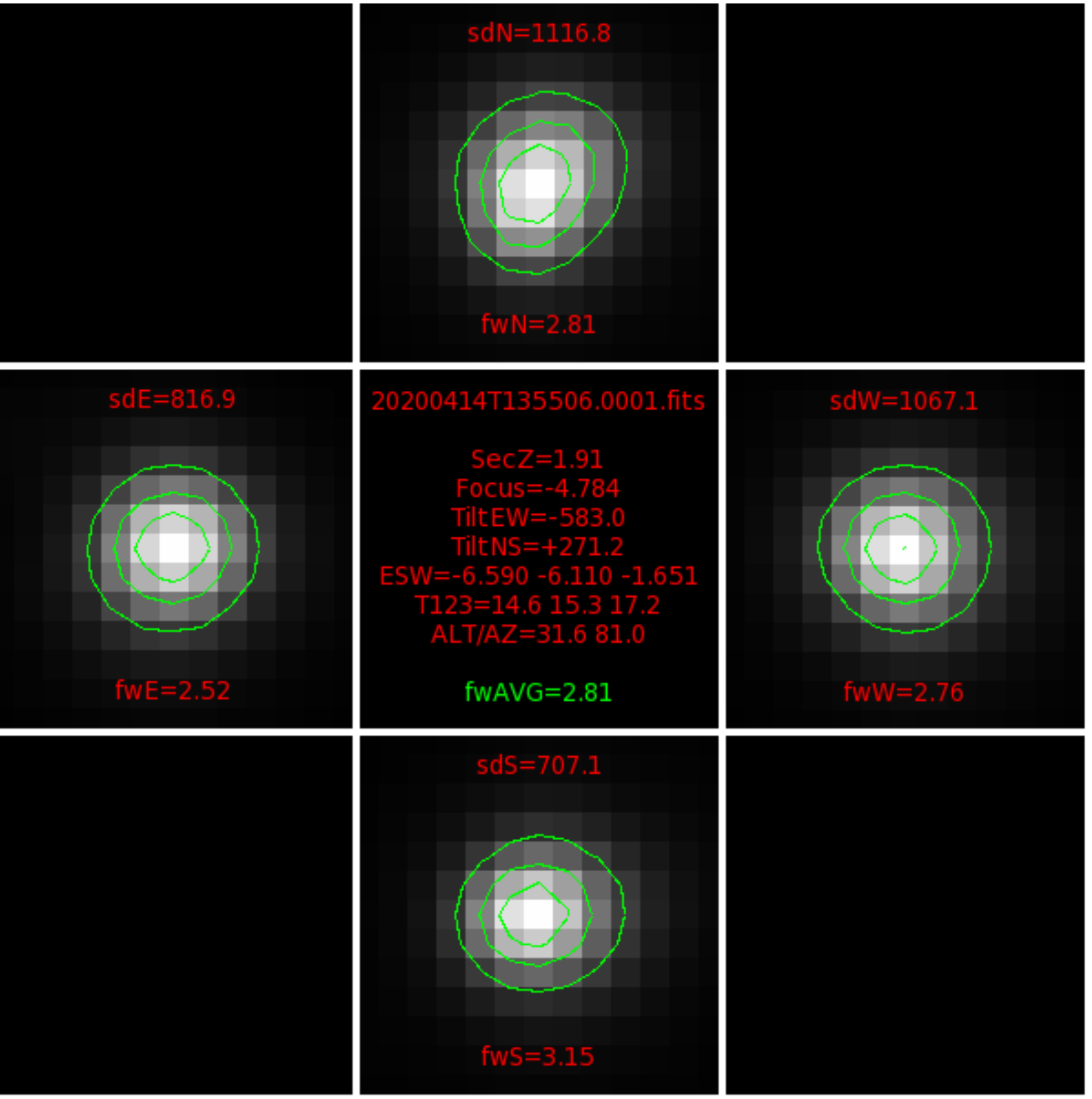
sdN=1116.8
fwN=2.81
sdE=816.9
fwE=2.52
20200414T135506.0001.fits
SecZ=1.91
Focus=-4.784
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.590 -6.110 -1.651
T123=14.6 15.3 17.2
ALT/AZ=31.6 81.0
fwAVG=2.81
sdW=1067.1
fwW=2.76
sdS=707.1
fwS=3.15
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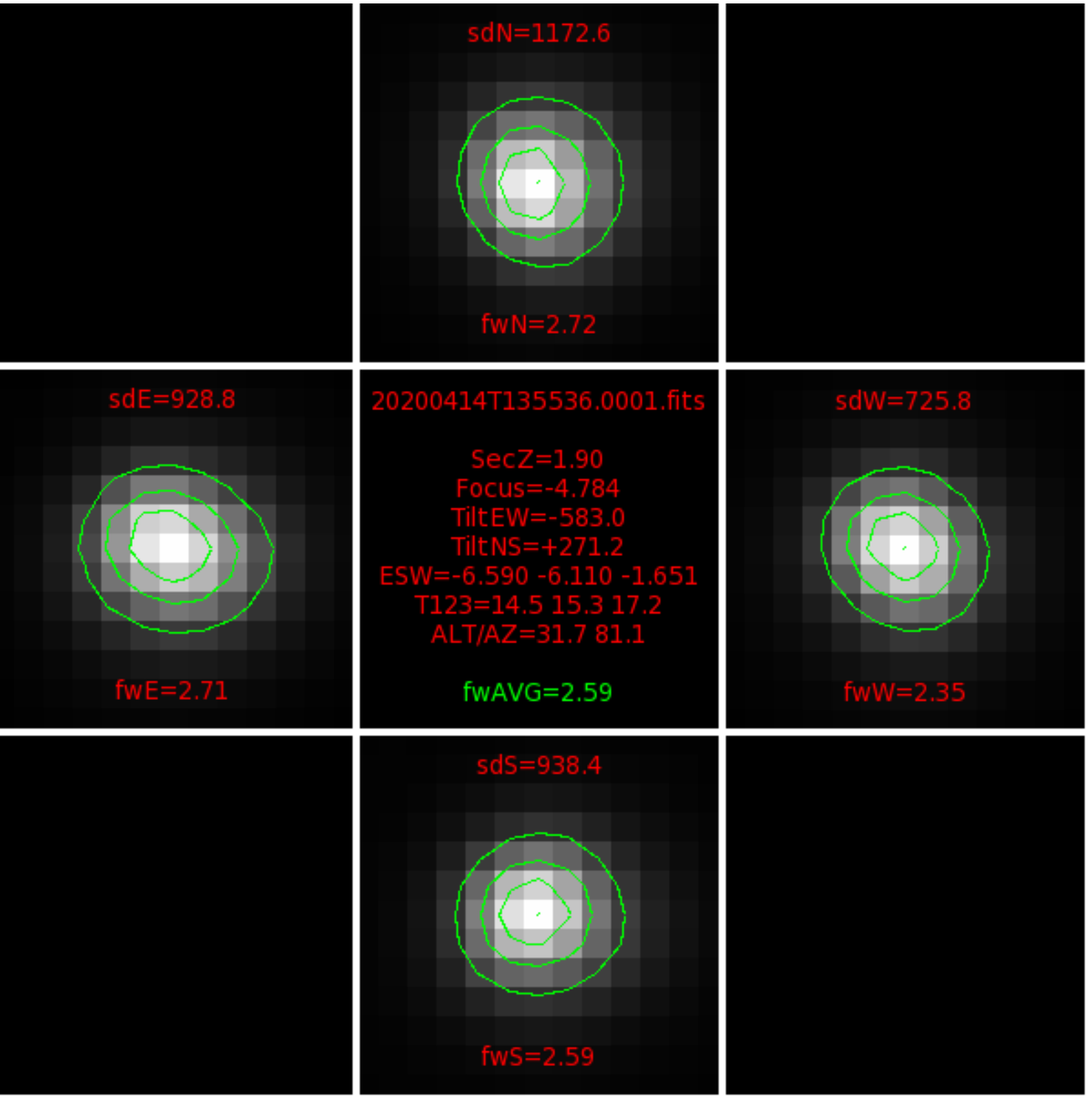
sdN=1172.6
fwN=2.72
sdE=928.8
fwE=2.71
20200414T135536.0001.fits
SecZ=1.90
Focus=-4.784
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.590 -6.110 -1.651
T123=14.5 15.3 17.2
ALT/AZ=31.7 81.1
fwAVG=2.59
sdW=725.8
fwW=2.35
sdS=938.4
fwS=2.59
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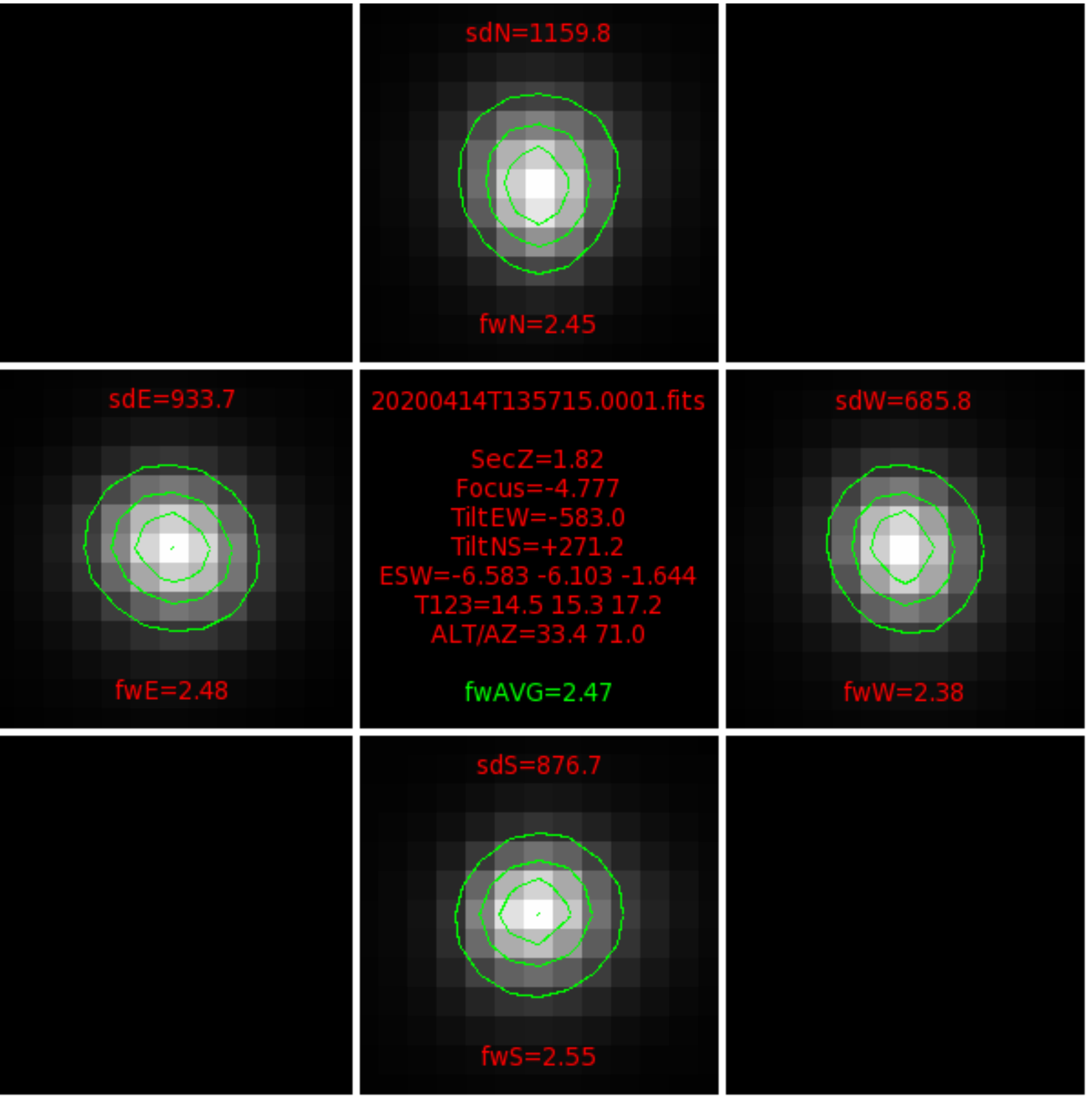
sdN=1159.8
fwN=2.45
sdE=933.7
fwE=2.48
20200414T135715.0001.fits
SecZ=1.82
Focus=-4.777
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.583 -6.103 -1.644
T123=14.5 15.3 17.2
ALT/AZ=33.4 71.0
fwAVG=2.47
sdW=685.8
fwW=2.38
sdS=876.7
fwS=2.55
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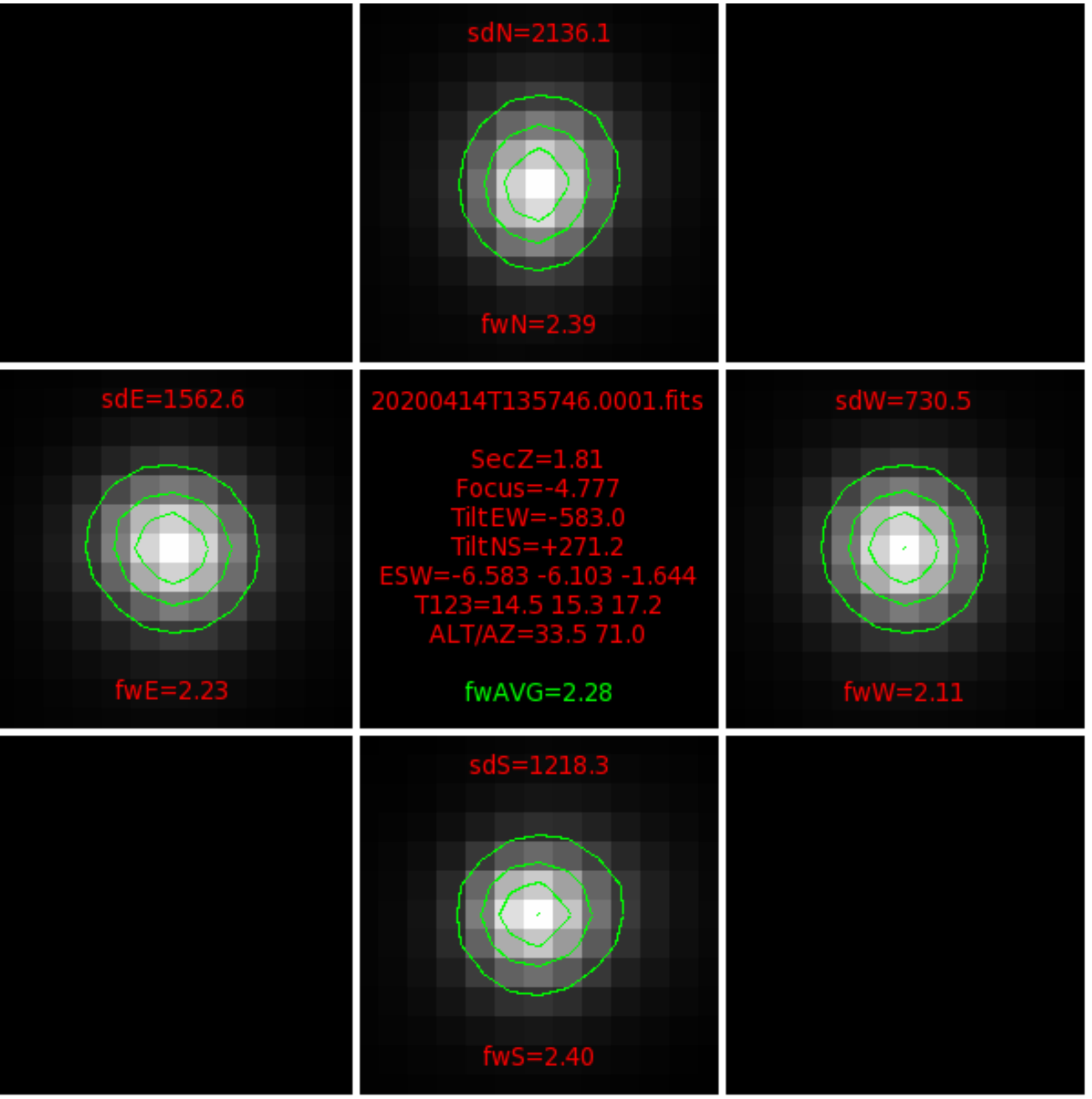
sdN=2136.1
fwN=2.39
sdE=1562.6
fwE=2.23
20200414T135746.0001.fits
SecZ=1.81
Focus=-4.777
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.583 -6.103 -1.644
T123=14.5 15.3 17.2
ALT/AZ=33.5 71.0
fwAVG=2.28
sdW=730.5
fwW=2.11
sdS=1218.3
fwS=2.40
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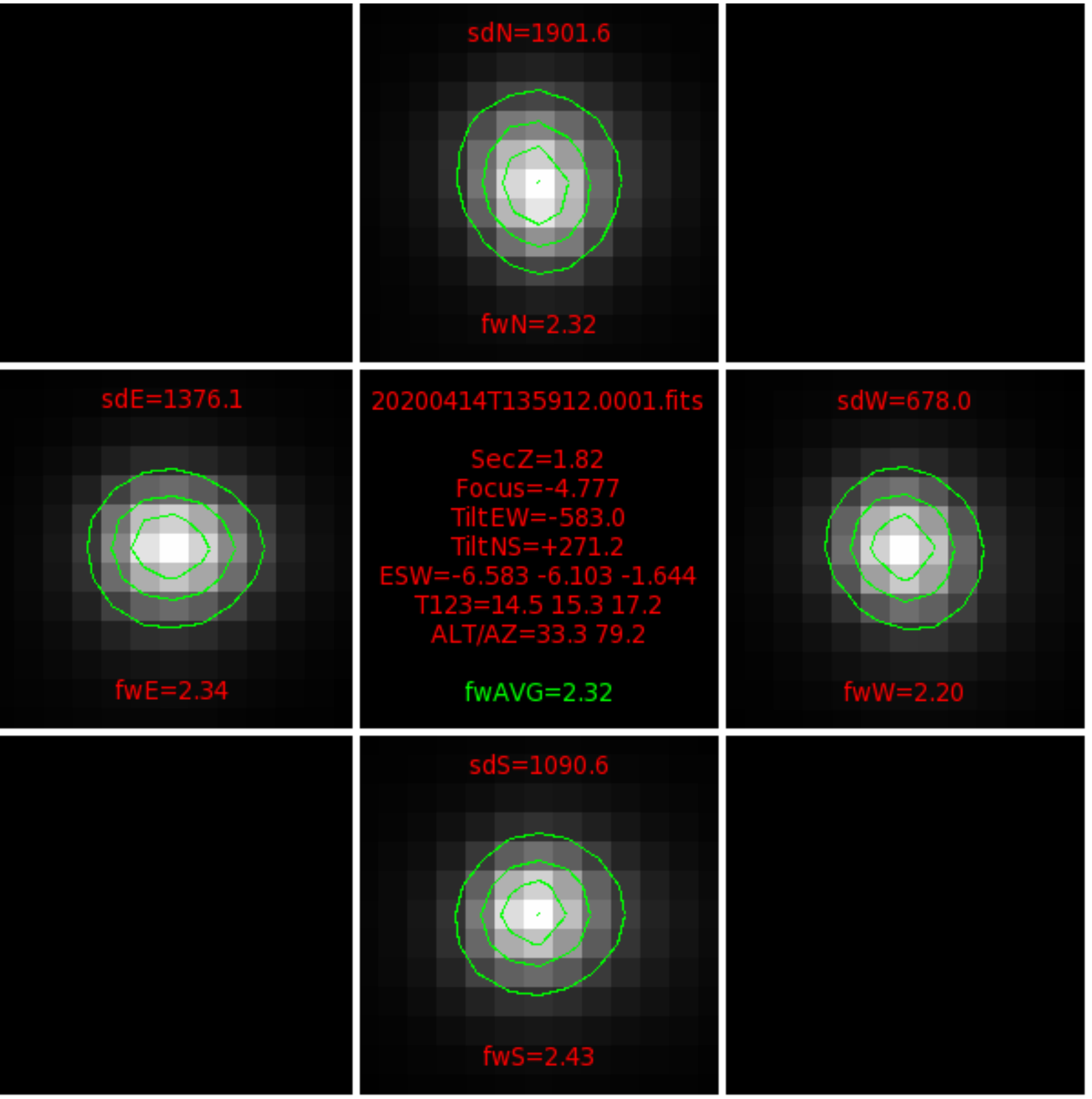
sdN=1901.6
fwN=2.32
sdE=1376.1
fwE=2.34
20200414T135912.0001.fits
SecZ=1.82
Focus=-4.777
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.583 -6.103 -1.644
T123=14.5 15.3 17.2
ALT/AZ=33.3 79.2
fwAVG=2.32
sdW=678.0
fwW=2.20
sdS=1090.6
fwS=2.43
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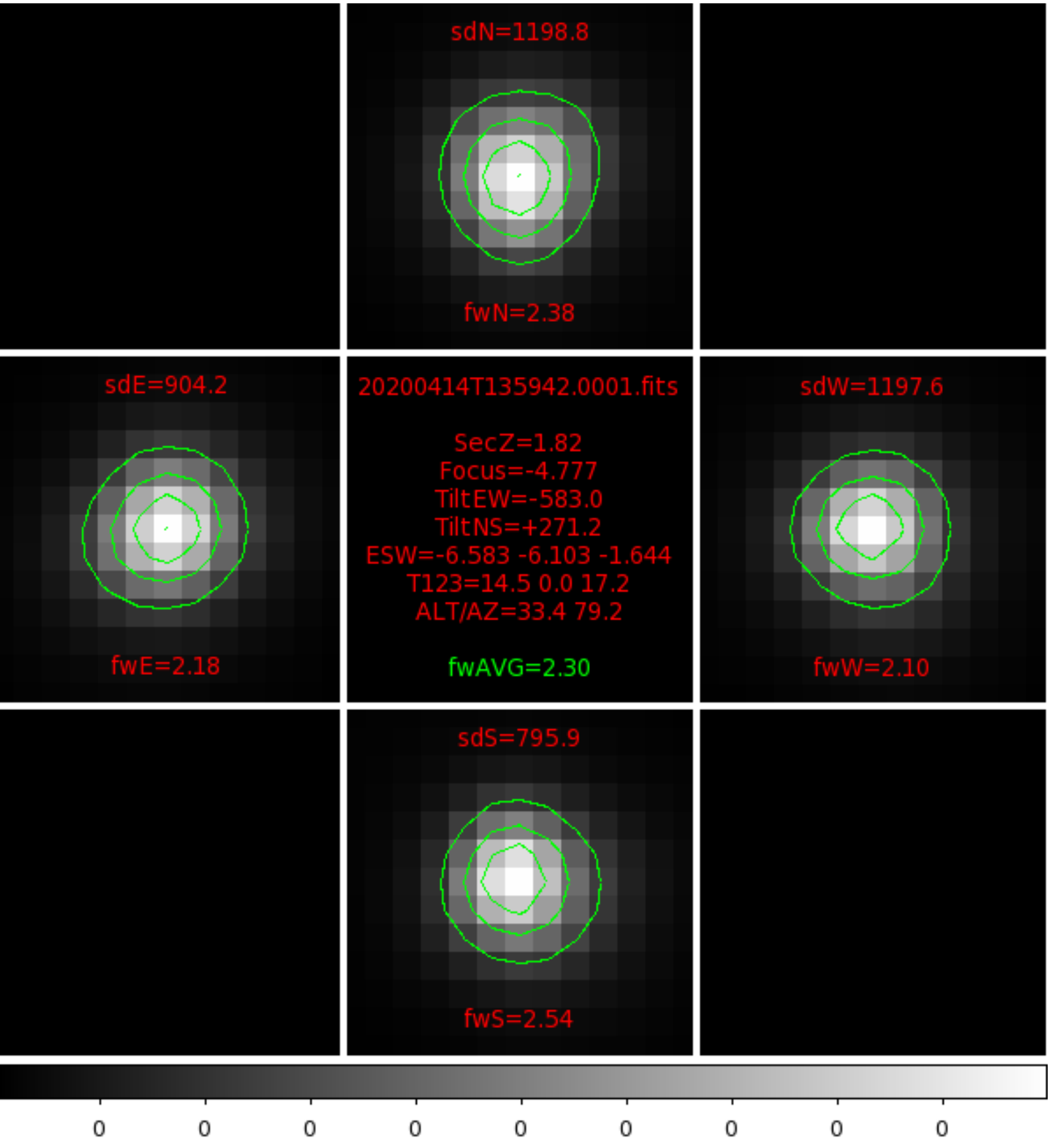
sdN=1198.8
fwN=2.38
sdE=904.2
fwE=2.18
20200414T135942.0001.fits
SecZ=1.82
Focus=-4.777
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.583 -6.103 -1.644
T123=14.5 0.0 17.2
ALT/AZ=33.4 79.2
fwAVG=2.30
sdW=1197.6
fwW=2.10
sdS=795.9
fwS=2.54
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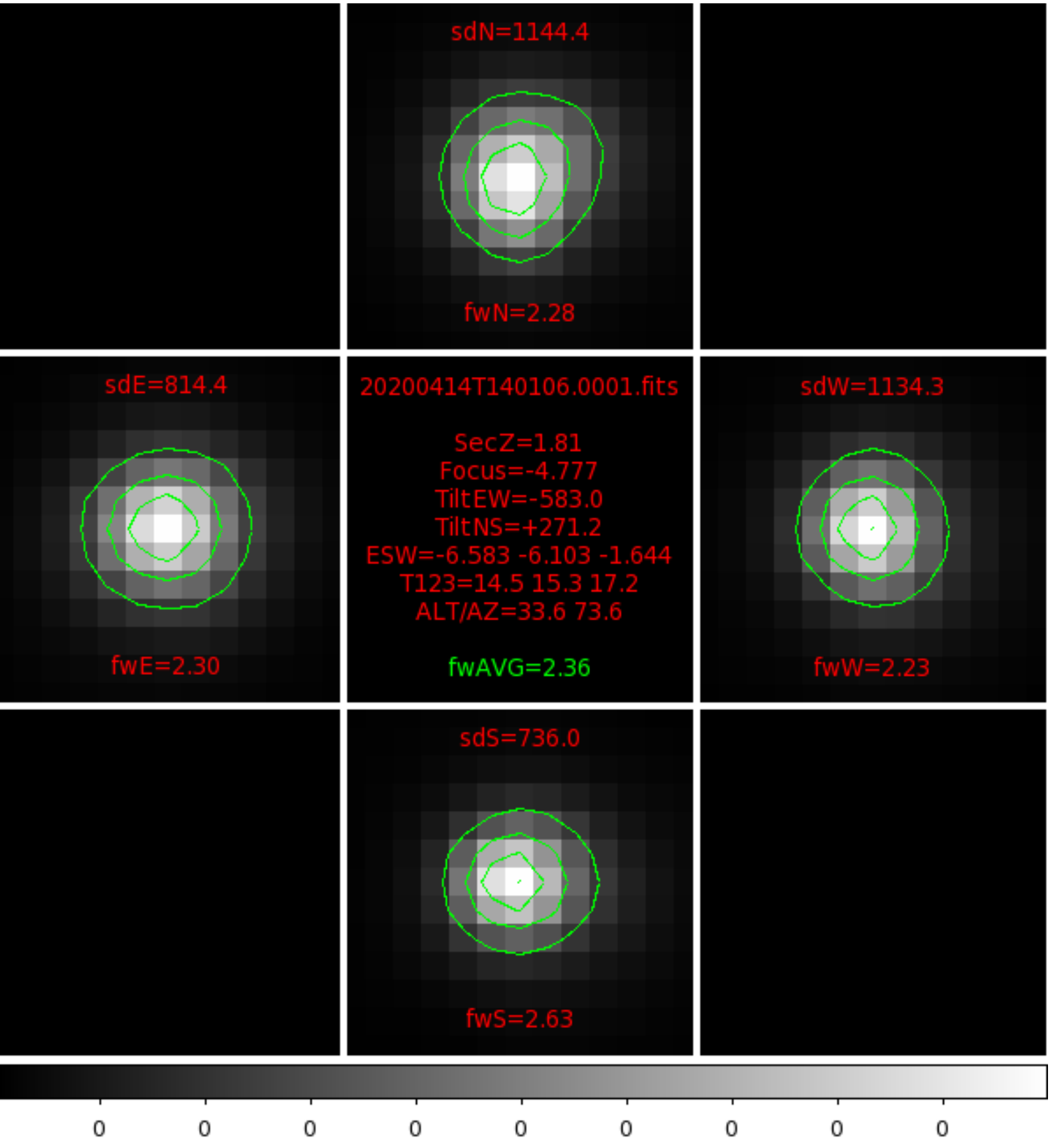
sdN=1144.4
fwN=2.28
sdE=814.4
fwE=2.30
20200414T140106.0001.fits
SecZ=1.81
Focus=-4.777
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.583 -6.103 -1.644
T123=14.5 15.3 17.2
ALT/AZ=33.6 73.6
fwAVG=2.36
sdW=1134.3
fwW=2.23
sdS=736.0
fwS=2.63
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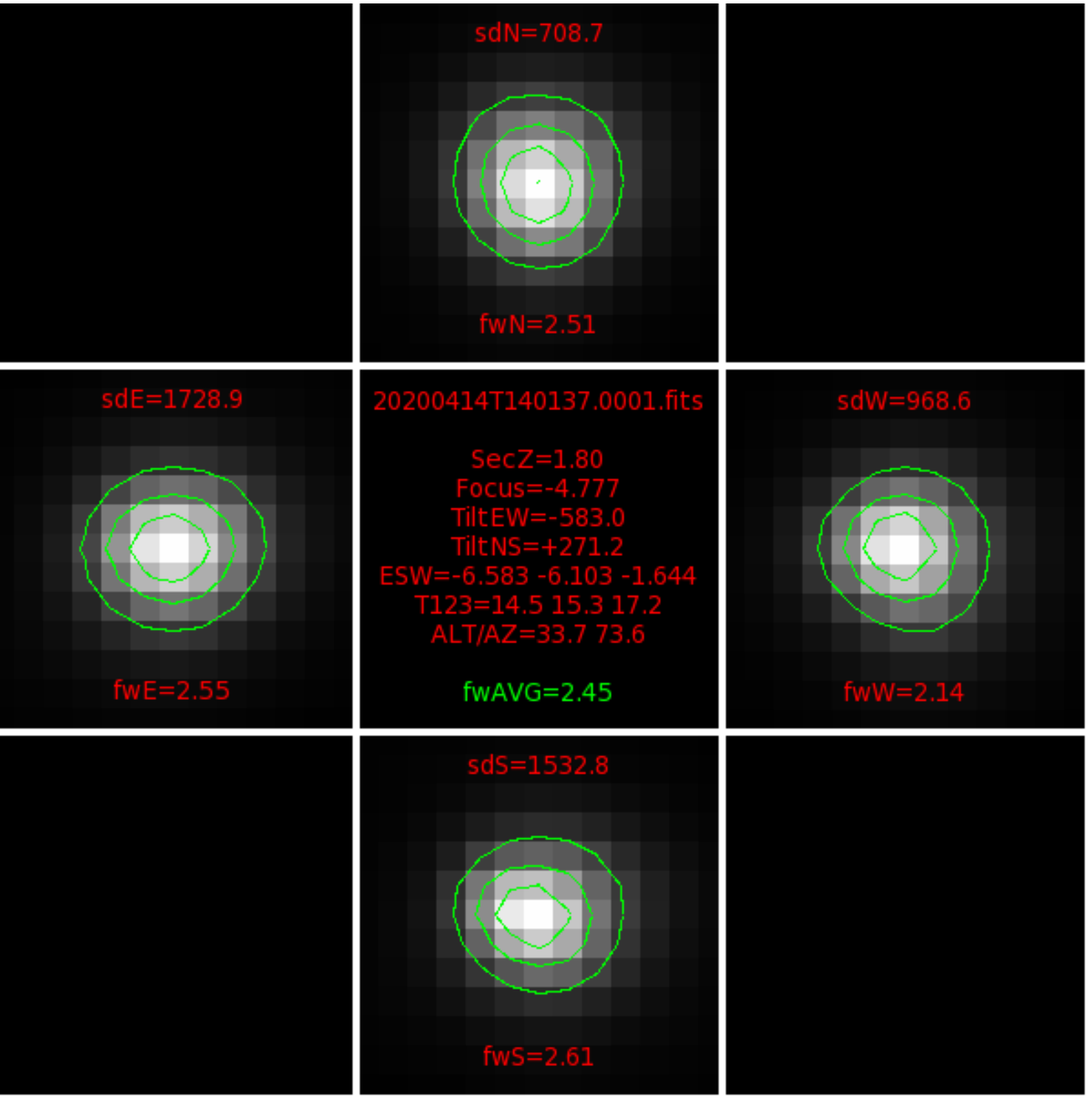
sdN=708.7
fwN=2.51
sdE=1728.9
fwE=2.55
20200414T140137.0001.fits
SecZ=1.80
Focus=-4.777
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.583 -6.103 -1.644
T123=14.5 15.3 17.2
ALT/AZ=33.7 73.6
fwAVG=2.45
sdW=968.6
fwW=2.14
sdS=1532.8
fwS=2.61
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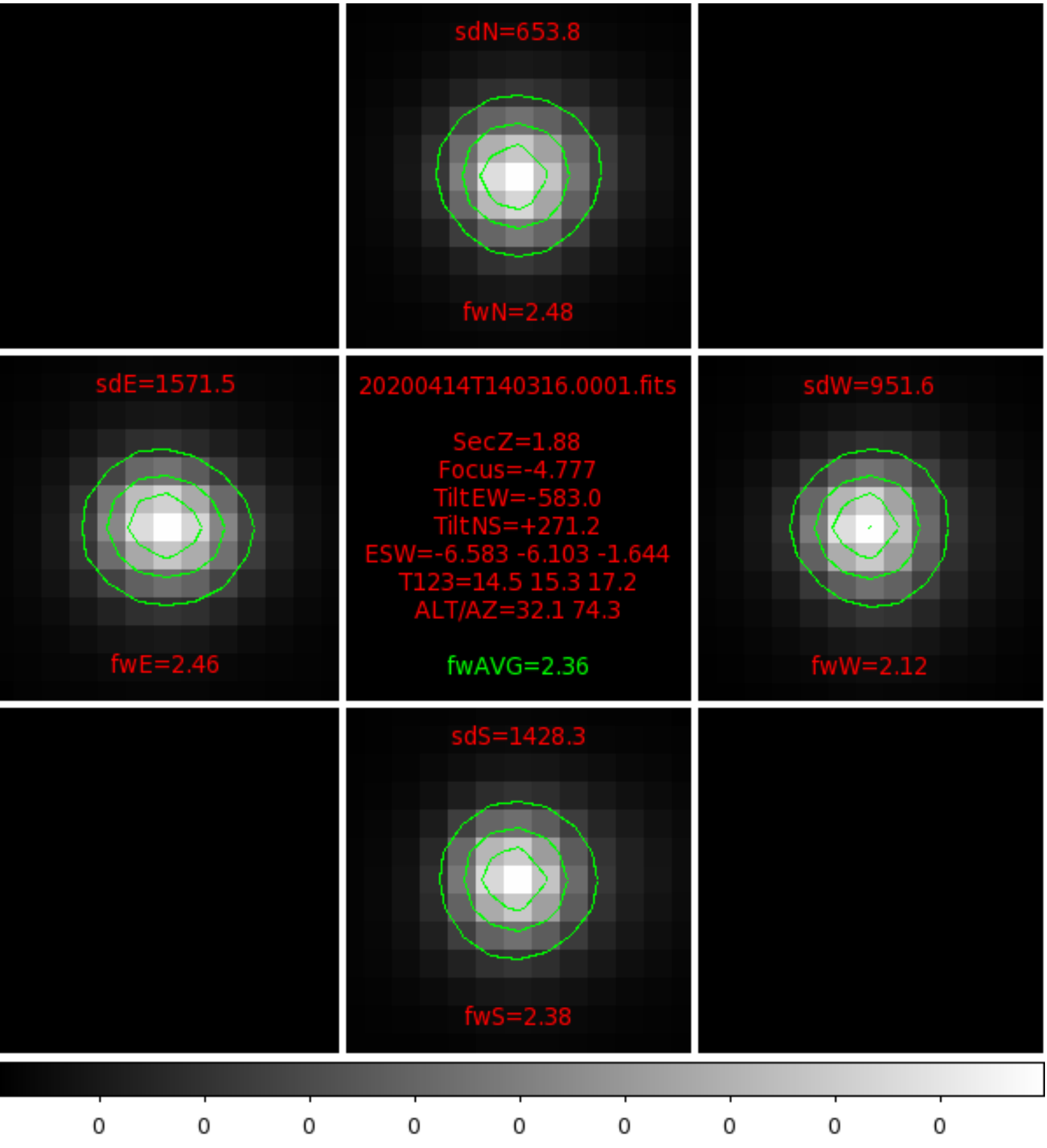
sdN=653.8
fwN=2.48
sdE=1571.5
fwE=2.46
20200414T140316.0001.fits
SecZ=1.88
Focus=-4.777
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.583 -6.103 -1.644
T123=14.5 15.3 17.2
ALT/AZ=32.1 74.3
fwAVG=2.36
sdW=951.6
fwW=2.12
sdS=1428.3
fwS=2.38
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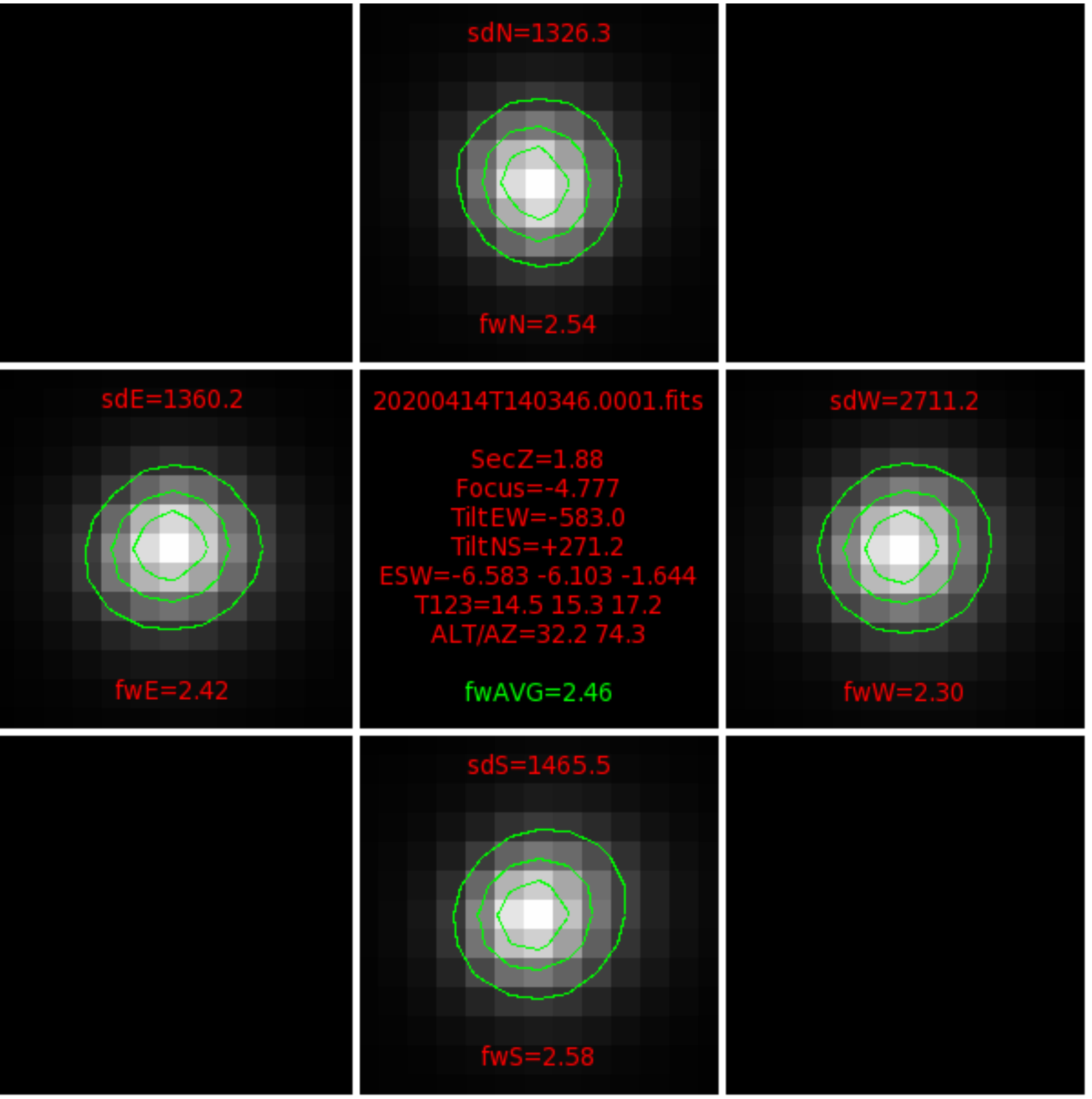
sdN=1326.3
fwN=2.54
sdE=1360.2
fwE=2.42
20200414T140346.0001.fits
SecZ=1.88
Focus=-4.777
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.583 -6.103 -1.644
T123=14.5 15.3 17.2
ALT/AZ=32.2 74.3
fwAVG=2.46
sdW=2711.2
fwW=2.30
sdS=1465.5
fwS=2.58
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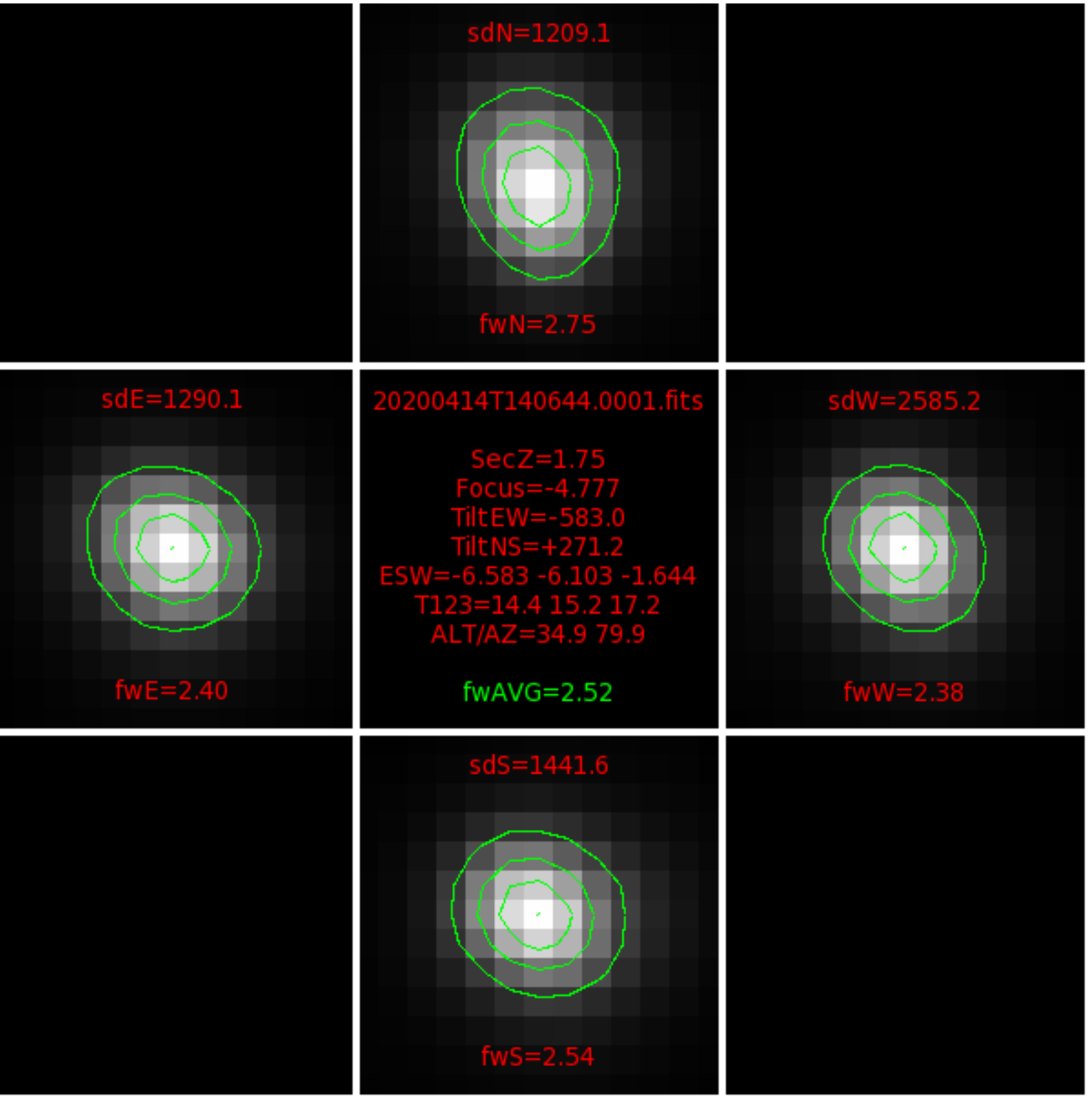
sdN=1209.1
fwN=2.75
sdE=1290.1
fwE=2.40
20200414T140644.0001.fits
SecZ=1.75
Focus=-4.777
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.583 -6.103 -1.644
T123=14.4 15.2 17.2
ALT/AZ=34.9 79.9
fwAVG=2.52
sdW=2585.2
fwW=2.38
sdS=1441.6
fwS=2.54
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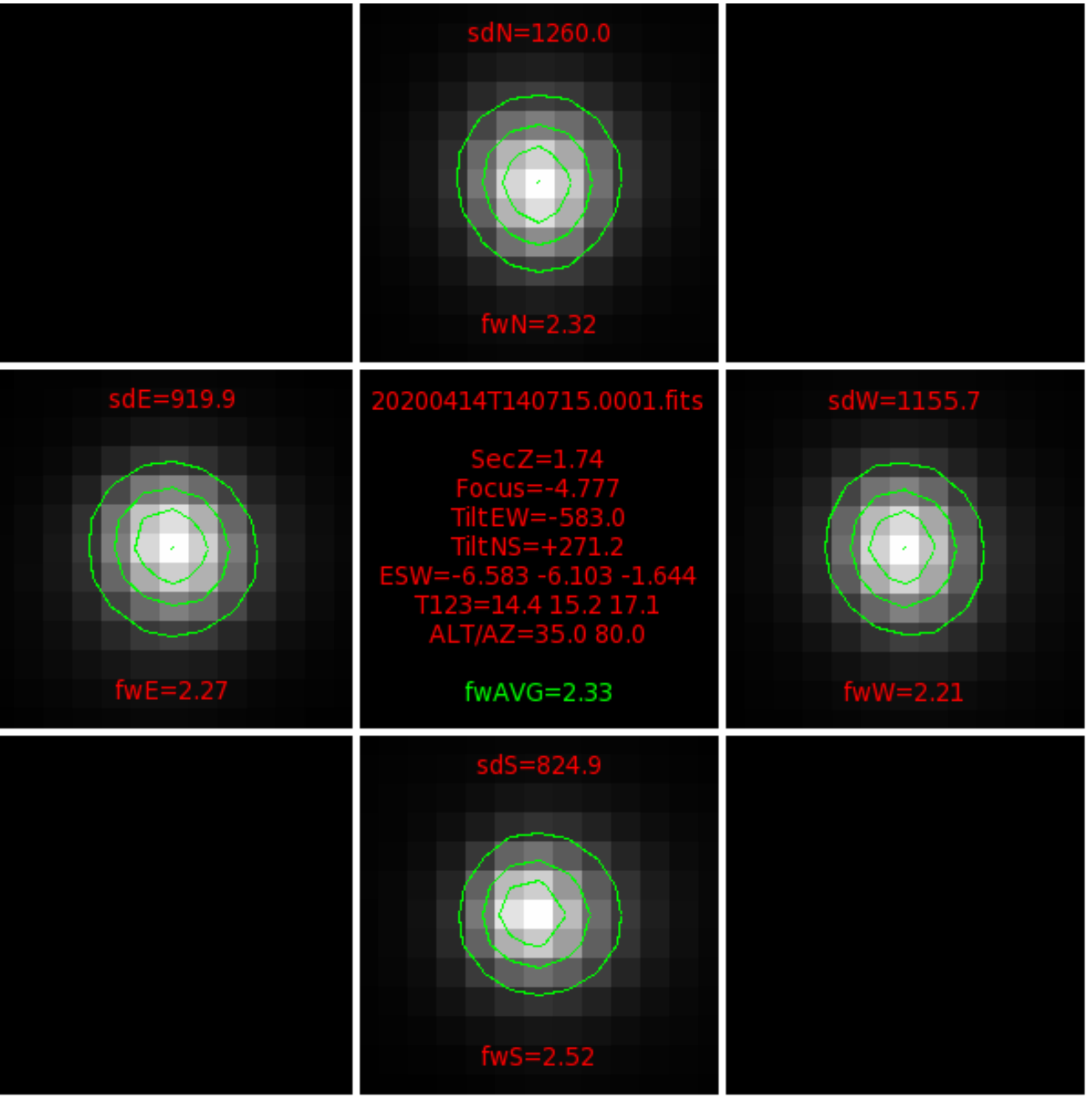
sdN=1260.0
fwN=2.32
sdE=919.9
fwE=2.27
20200414T140715.0001.fits
SecZ=1.74
Focus=-4.777
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.583 -6.103 -1.644
T123=14.4 15.2 17.1
ALT/AZ=35.0 80.0
fwAVG=2.33
sdW=1155.7
fwW=2.21
sdS=824.9
fwS=2.52
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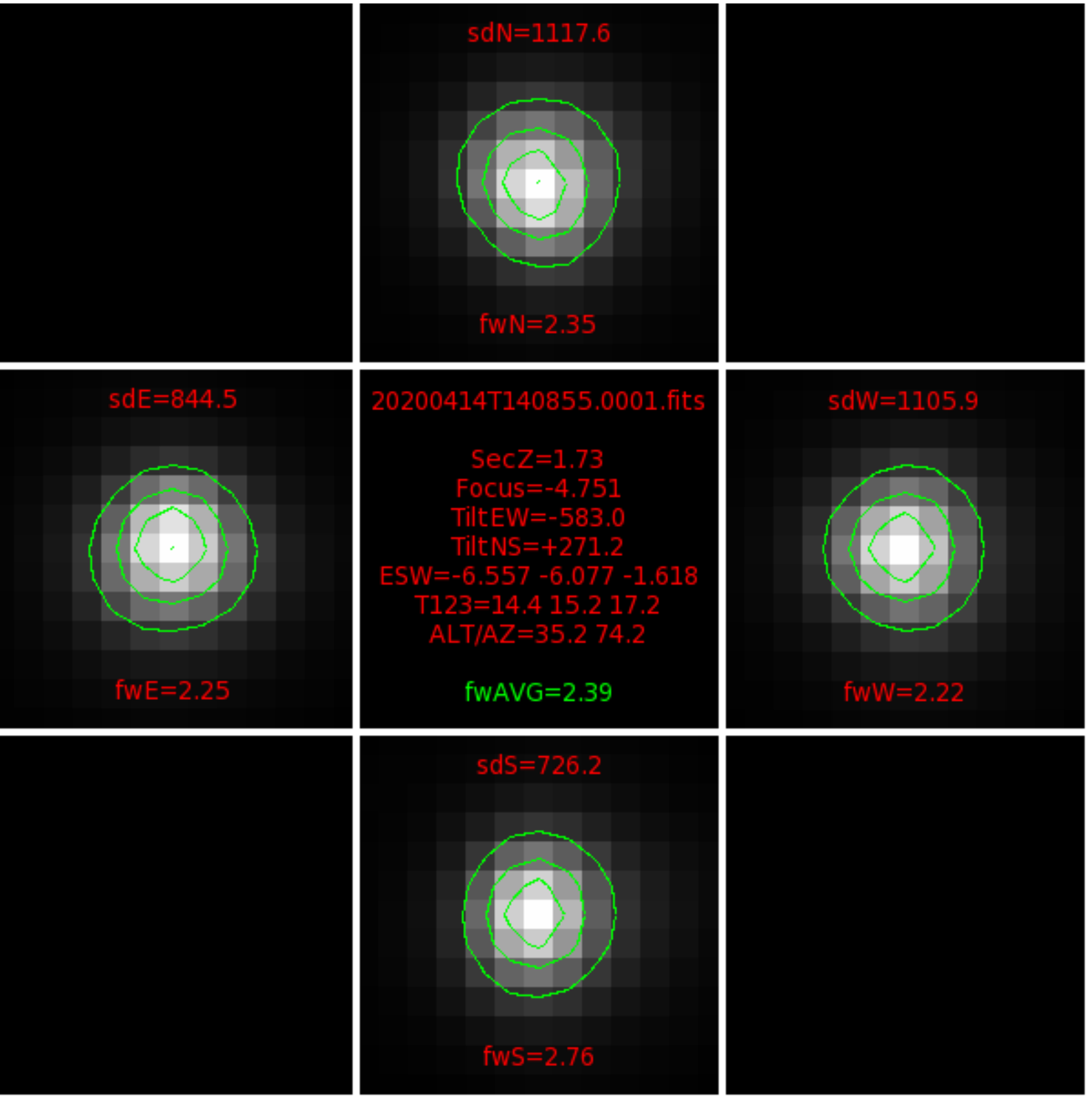
sdN=1117.6
fwN=2.35
sdE=844.5
fwE=2.25
20200414T140855.0001.fits
SecZ=1.73
Focus=-4.751
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.557 -6.077 -1.618
T123=14.4 15.2 17.2
ALT/AZ=35.2 74.2
fwAVG=2.39
sdW=1105.9
fwW=2.22
sdS=726.2
fwS=2.76
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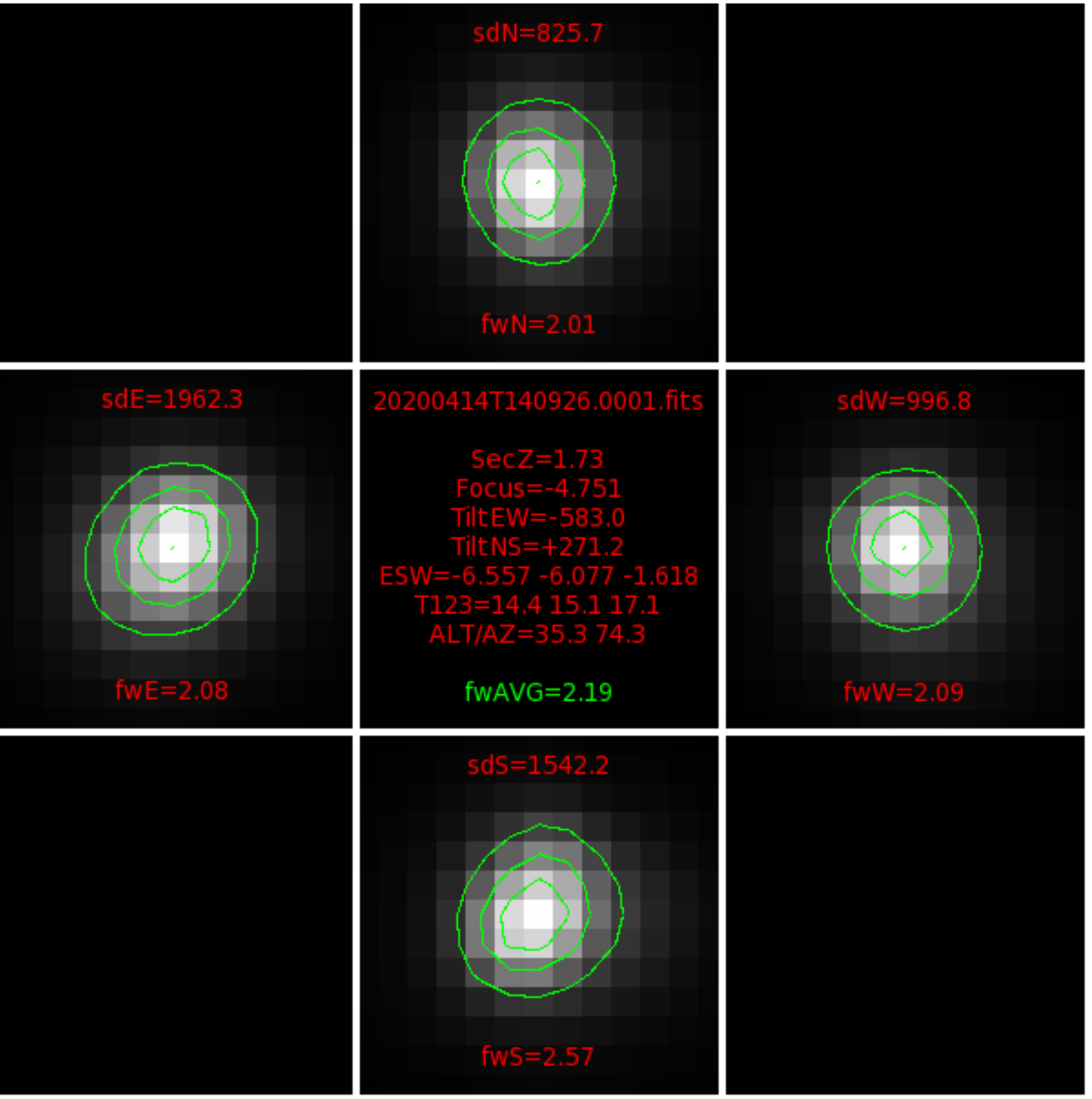
sdN=825.7
fwN=2.01
sdE=1962.3
fwE=2.08
20200414T140926.0001.fits
SecZ=1.73
Focus=-4.751
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.557 -6.077 -1.618
T123=14.4 15.1 17.1
ALT/AZ=35.3 74.3
fwAVG=2.19
sdW=996.8
fwW=2.09
sdS=1542.2
fwS=2.57
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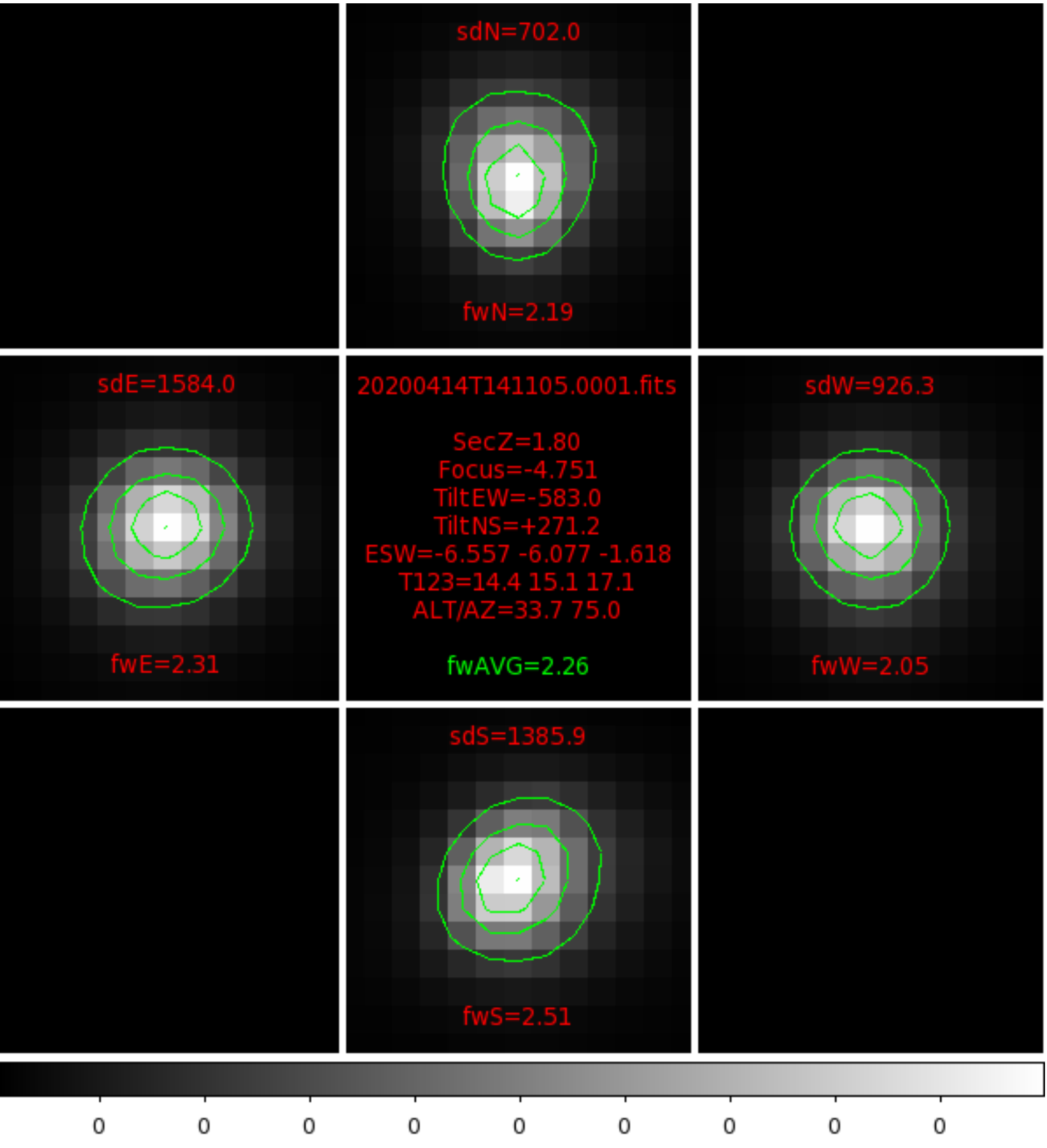
sdN=702.0
fwN=2.19
sdE=1584.0
fwE=2.31
20200414T141105.0001.fits
SecZ=1.80
Focus=-4.751
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.557 -6.077 -1.618
T123=14.4 15.1 17.1
ALT/AZ=33.7 75.0
fwAVG=2.26
sdW=926.3
fwW=2.05
sdS=1385.9
fwS=2.51
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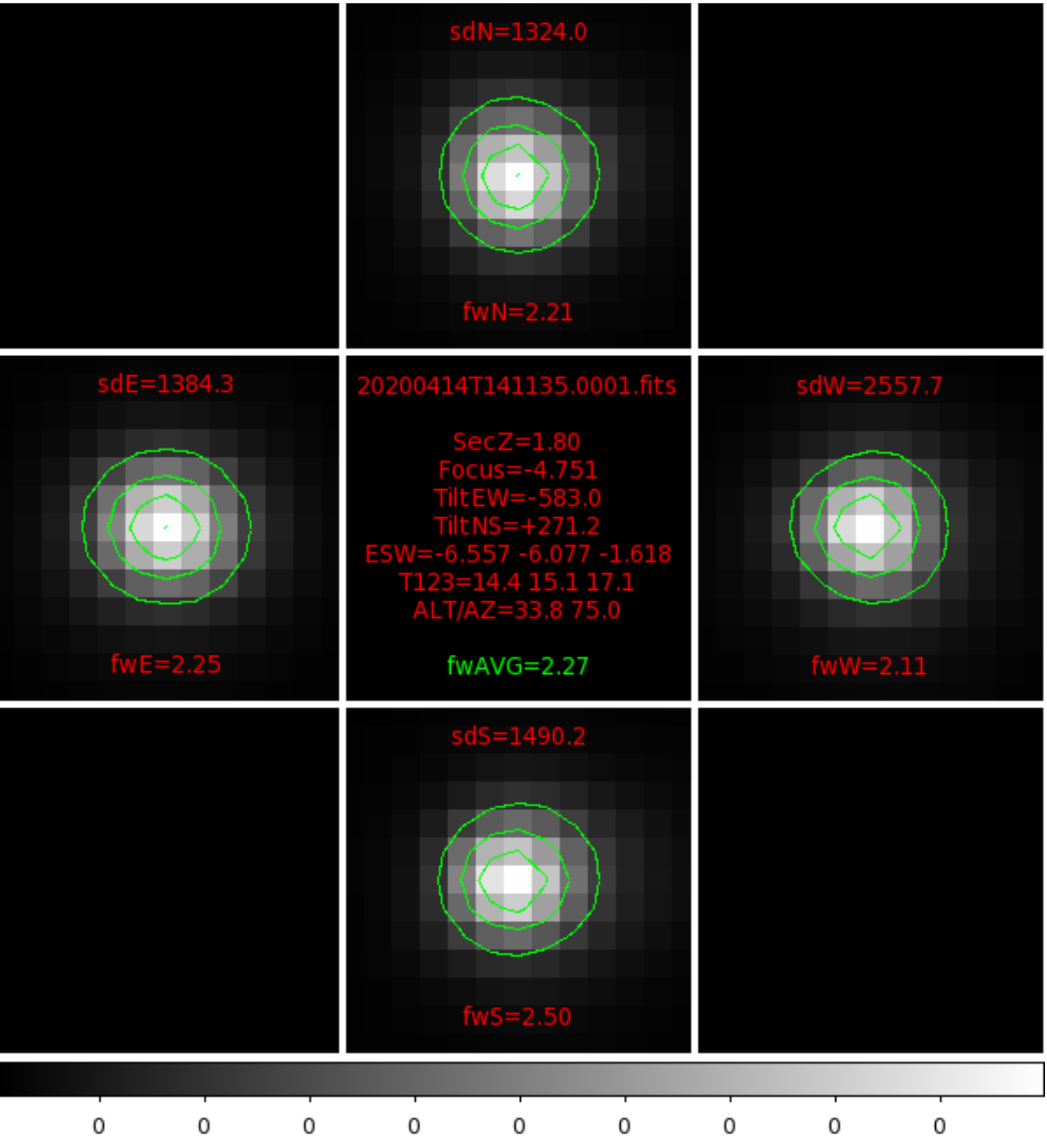
sdN=1324.0
fwN=2.21
sdE=1384.3
fwE=2.25
20200414T141135.0001.fits
SecZ=1.80
Focus=-4.751
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.557 -6.077 -1.618
T123=14.4 15.1 17.1
ALT/AZ=33.8 75.0
fwAVG=2.27
sdW=2557.7
fwW=2.11
sdS=1490.2
fwS=2.50
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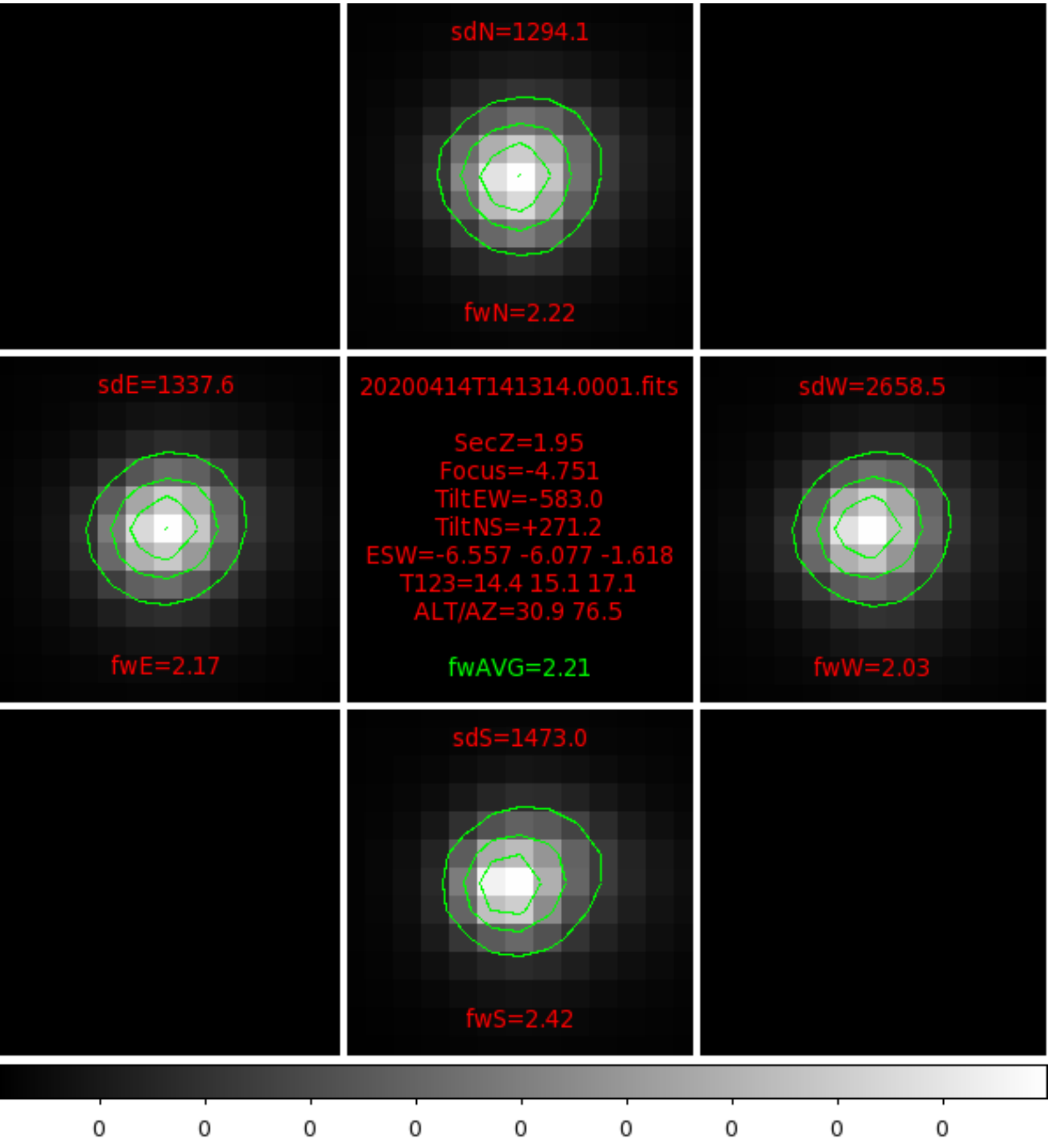
sdN=1294.1
fwN=2.22
sdE=1337.6
fwE=2.17
20200414T141314.0001.fits
SecZ=1.95
Focus=-4.751
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.557 -6.077 -1.618
T123=14.4 15.1 17.1
ALT/AZ=30.9 76.5
fwAVG=2.21
sdW=2658.5
fwW=2.03
sdS=1473.0
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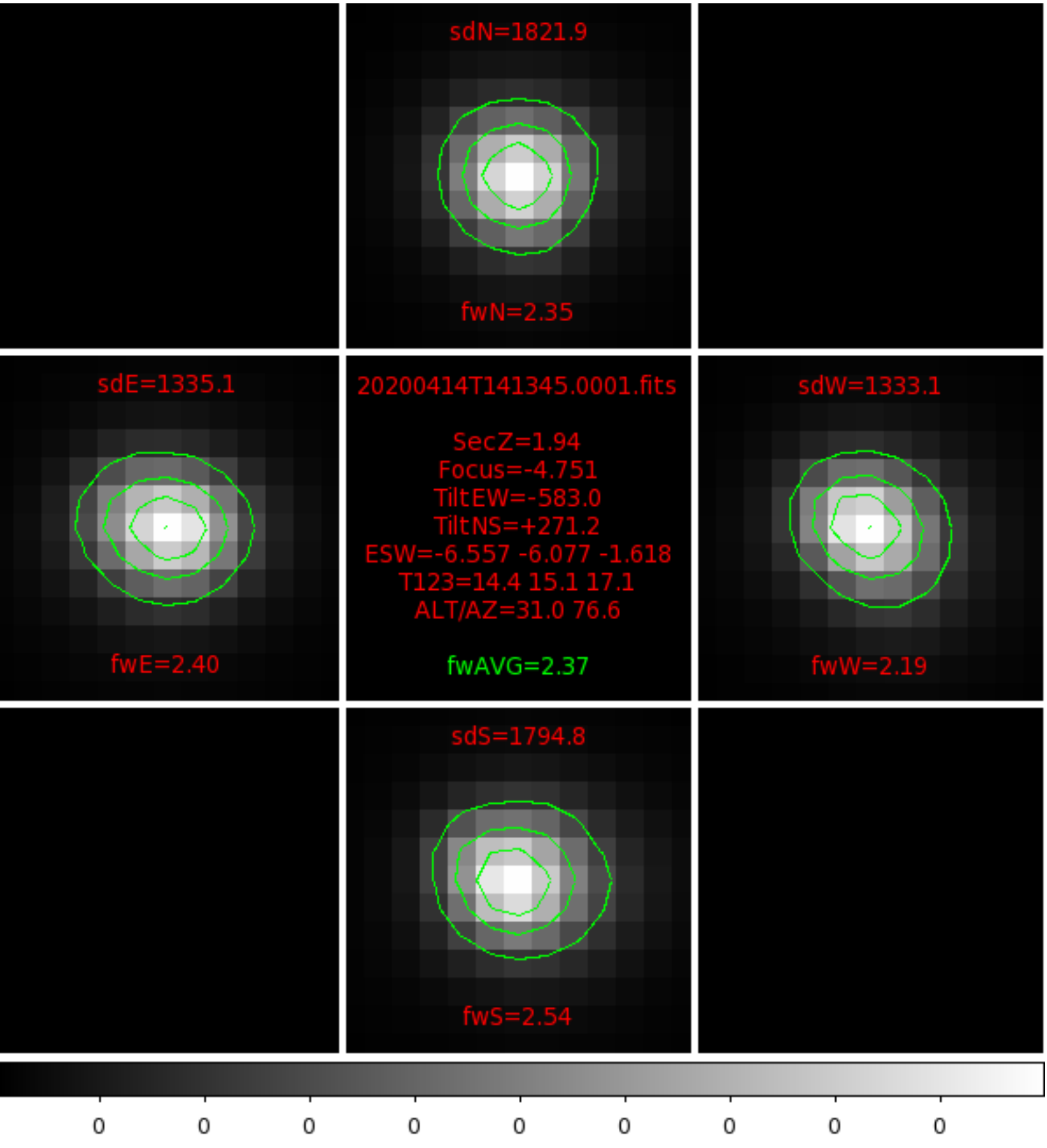
sdN=1821.9
fwN=2.35
sdE=1335.1
fwE=2.40
20200414T141345.0001.fits
SecZ=1.94
Focus=-4.751
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.557 -6.077 -1.618
T123=14.4 15.1 17.1
ALT/AZ=31.0 76.6
fwAVG=2.37
sdW=1333.1
fwW=2.19
sdS=1794.8
fwS=2.54
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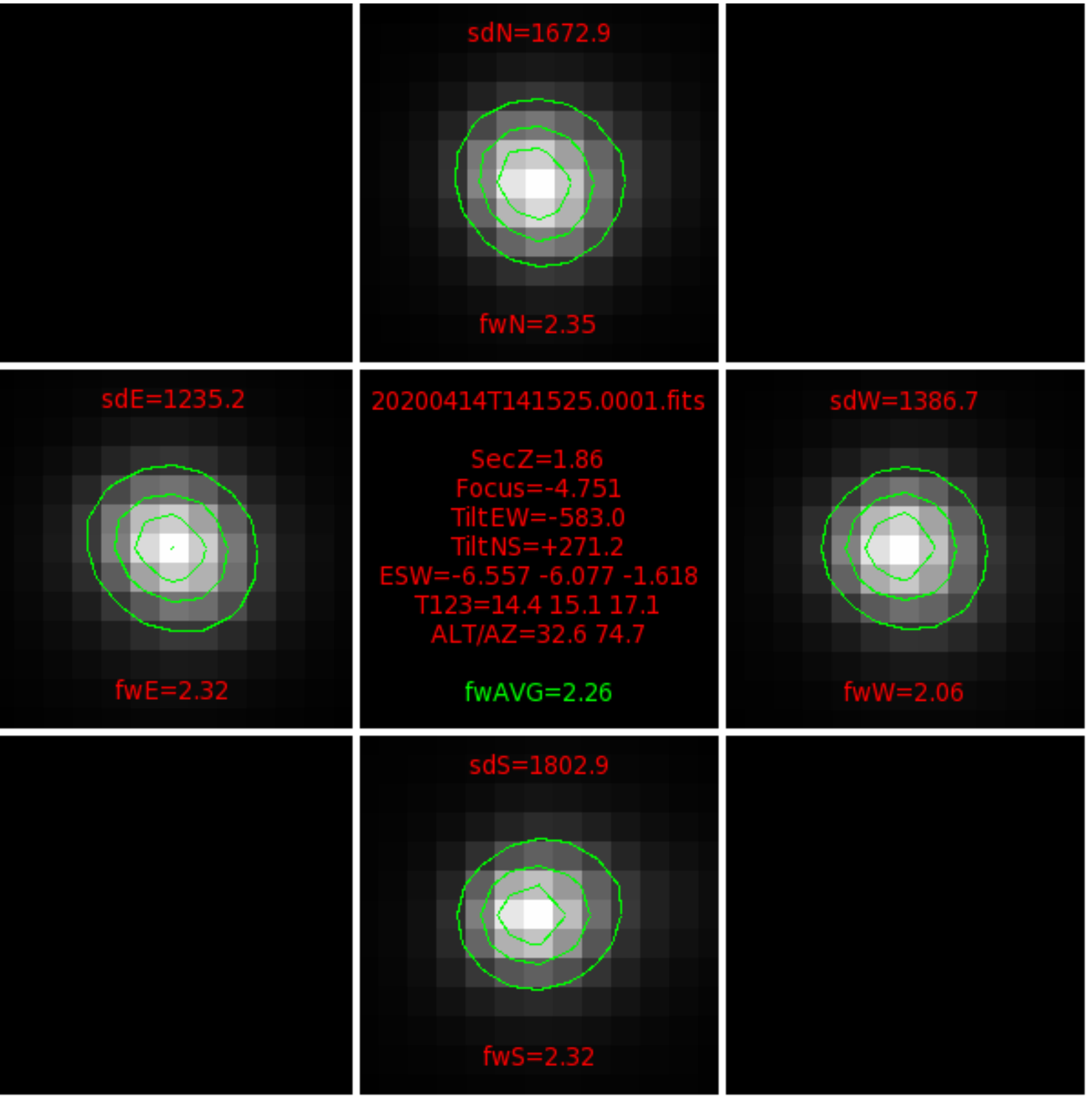
sdN=1672.9
fwN=2.35
sdE=1235.2
fwE=2.32
20200414T141525.0001.fits
SecZ=1.86
Focus=-4.751
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.557 -6.077 -1.618
T123=14.4 15.1 17.1
ALT/AZ=32.6 74.7
fwAVG=2.26
sdW=1386.7
fwW=2.06
sdS=1802.9
fwS=2.32
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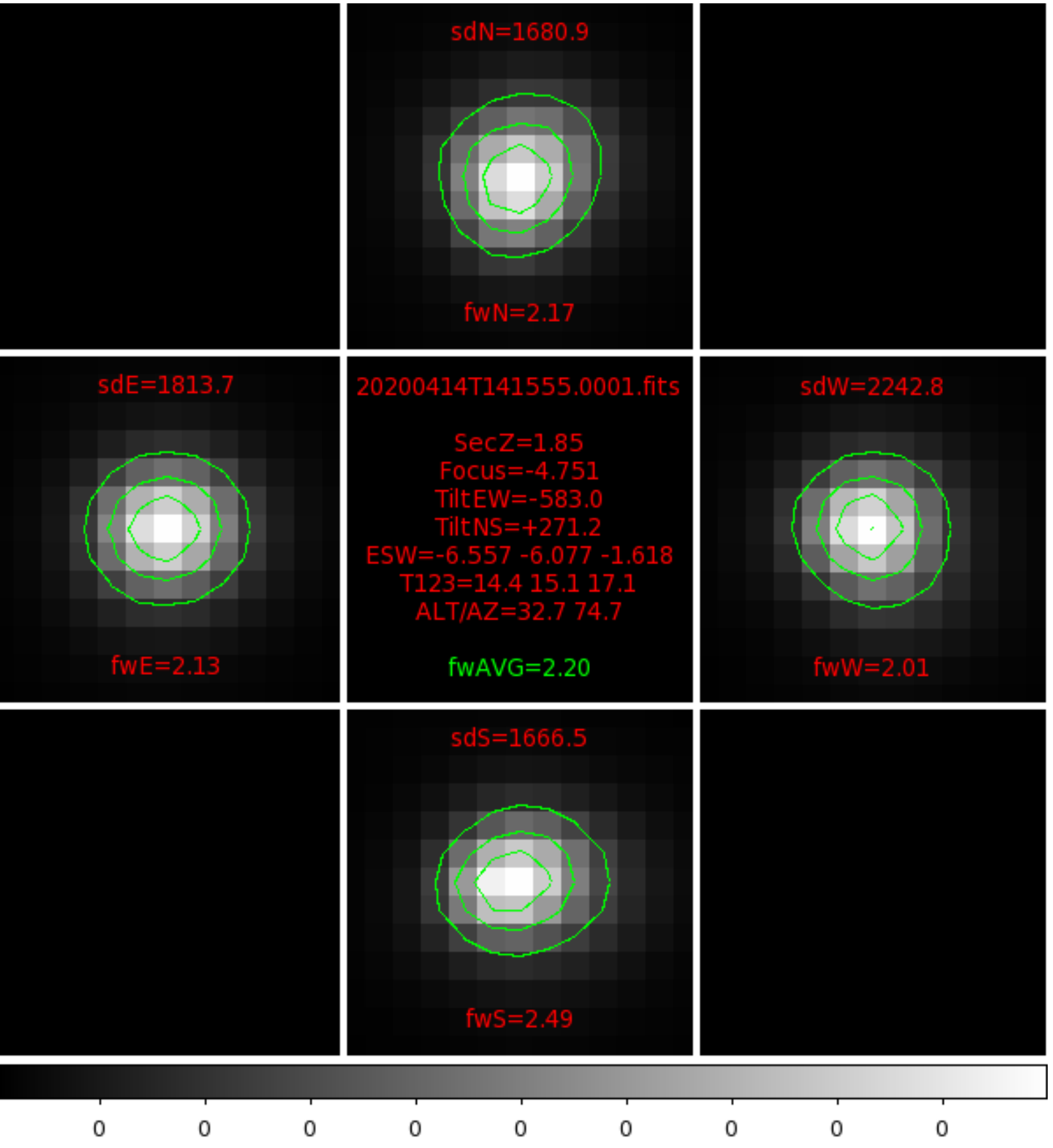
sdN=1680.9
fwN=2.17
sdE=1813.7
fwE=2.13
20200414T141555.0001.fits
SecZ=1.85
Focus=-4.751
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.557 -6.077 -1.618
T123=14.4 15.1 17.1
ALT/AZ=32.7 74.7
fwAVG=2.20
sdW=2242.8
fwW=2.01
sdS=1666.5
fwS=2.49
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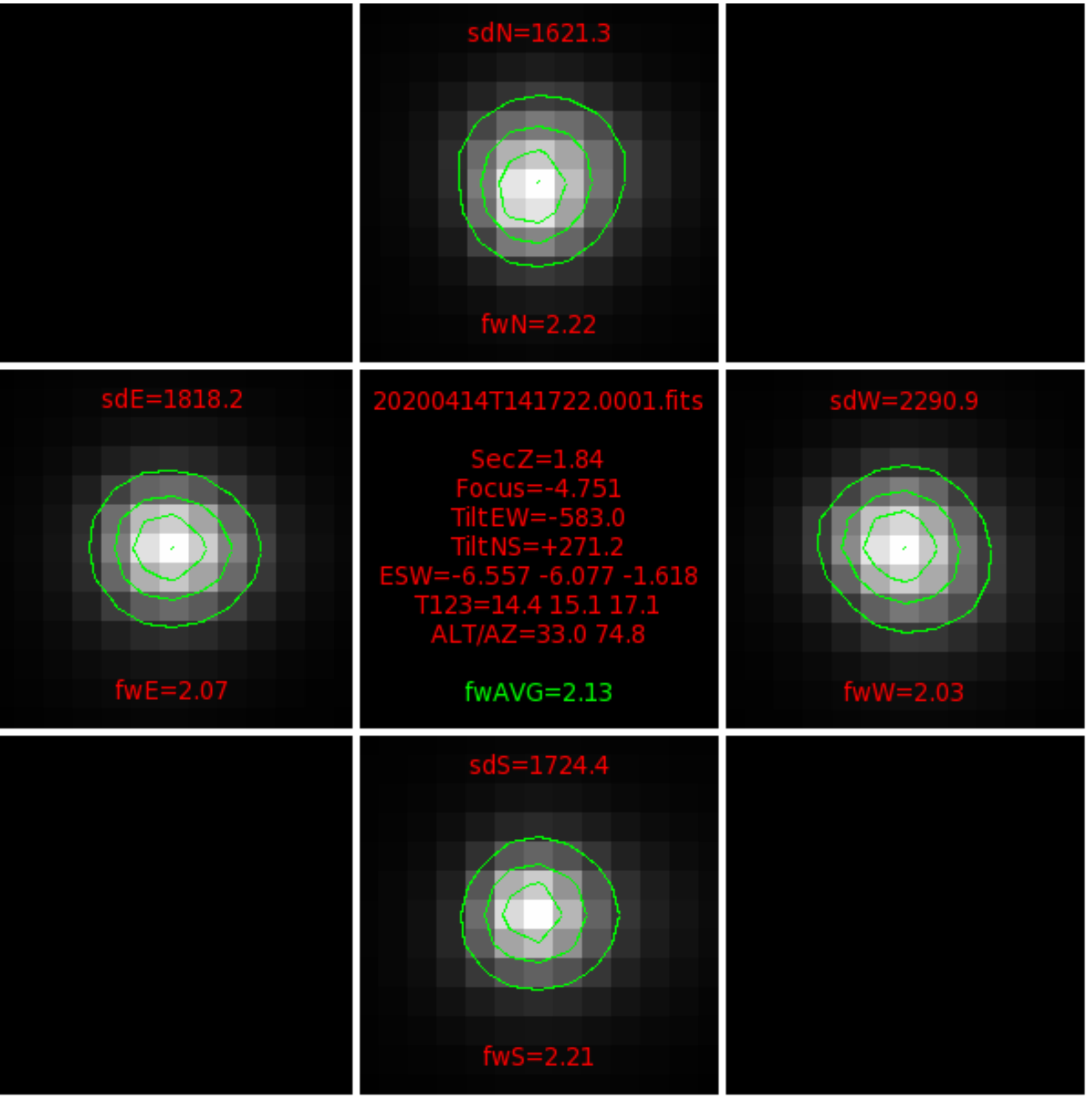
sdN=1621.3
fwN=2.22
sdE=1818.2
fwE=2.07
20200414T141722.0001.fits
SecZ=1.84
Focus=-4.751
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.557 -6.077 -1.618
T123=14.4 15.1 17.1
ALT/AZ=33.0 74.8
fwAVG=2.13
sdW=2290.9
fwW=2.03
sdS=1724.4
fwS=2.21
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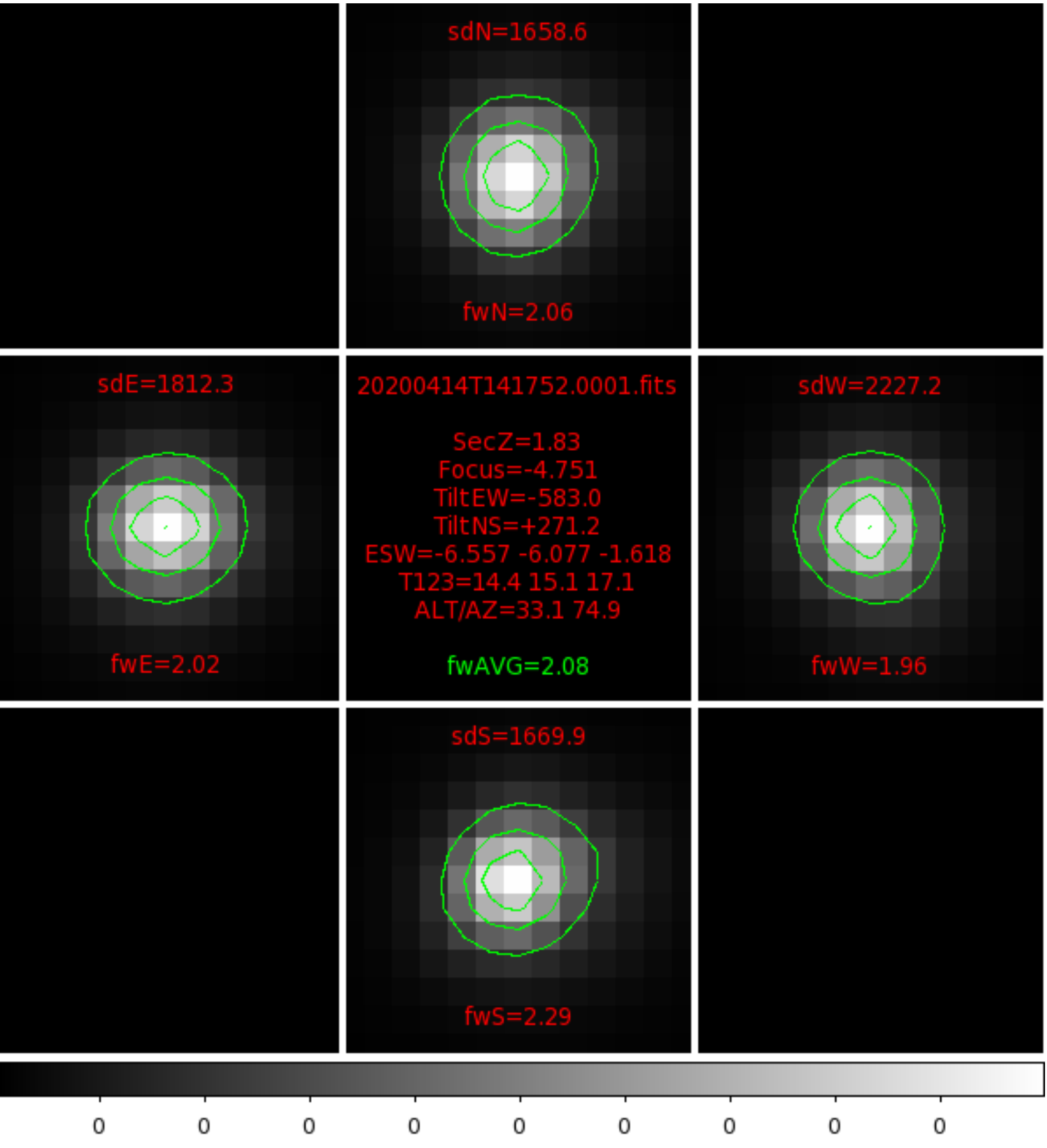
sdN=1658.6
fwN=2.06
sdE=1812.3
fwE=2.02
20200414T141752.0001.fits
SecZ=1.83
Focus=-4.751
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.557 -6.077 -1.618
T123=14.4 15.1 17.1
ALT/AZ=33.1 74.9
fwAVG=2.08
sdW=2227.2
fwW=1.96
sdS=1669.9
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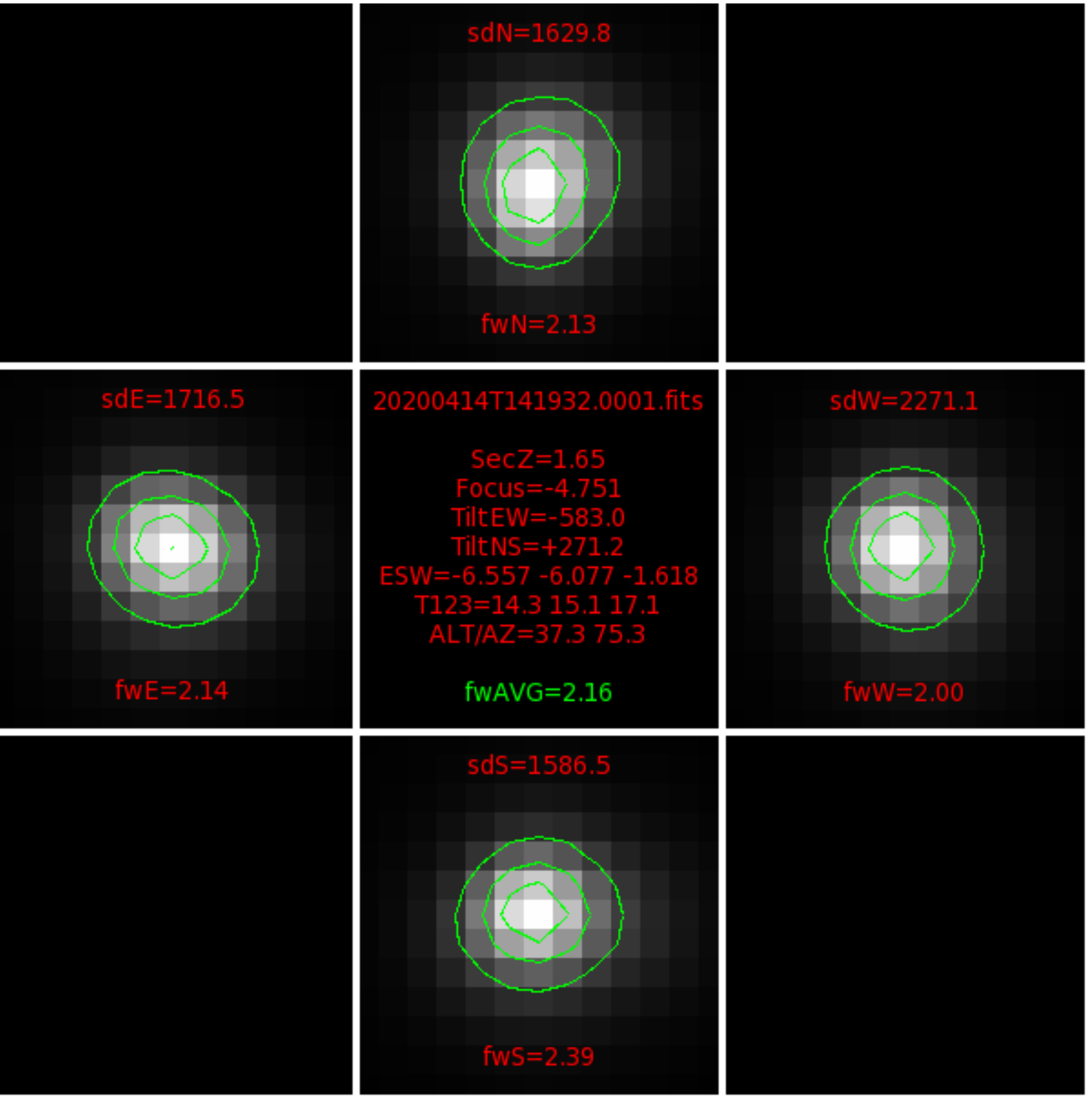
sdN=1629.8
fwN=2.13
sdE=1716.5
fwE=2.14
20200414T141932.0001.fits
SecZ=1.65
Focus=-4.751
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.557 -6.077 -1.618
T123=14.3 15.1 17.1
ALT/AZ=37.3 75.3
fwAVG=2.16
sdW=2271.1
fwW=2.00
sdS=1586.5
fwS=2.39
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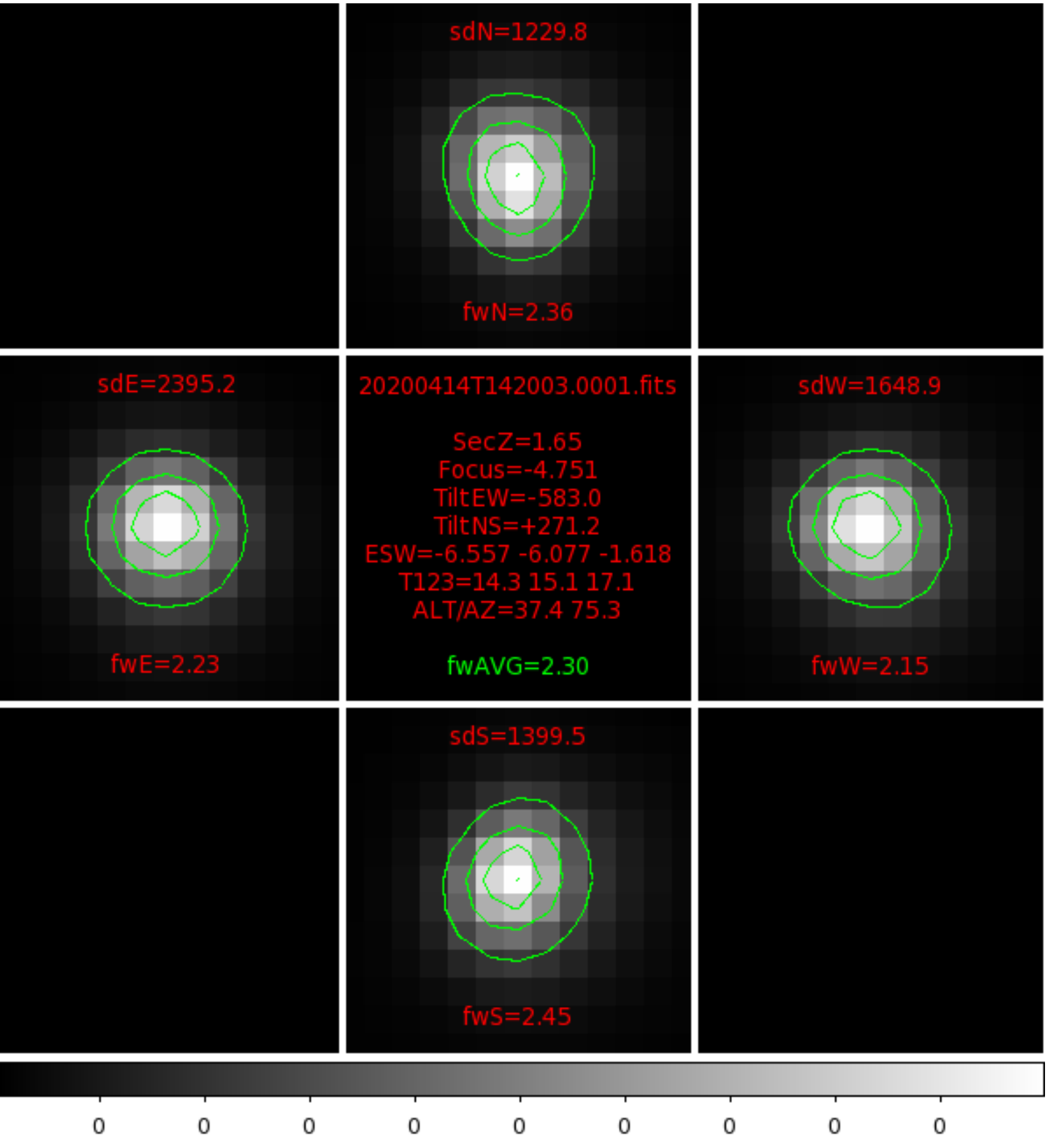
sdN=1229.8
fwN=2.36
sdE=2395.2
fwE=2.23
20200414T142003.0001.fits
SecZ=1.65
Focus=-4.751
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.557 -6.077 -1.618
T123=14.3 15.1 17.1
ALT/AZ=37.4 75.3
fwAVG=2.30
sdW=1648.9
fwW=2.15
sdS=1399.5
fwS=2.45
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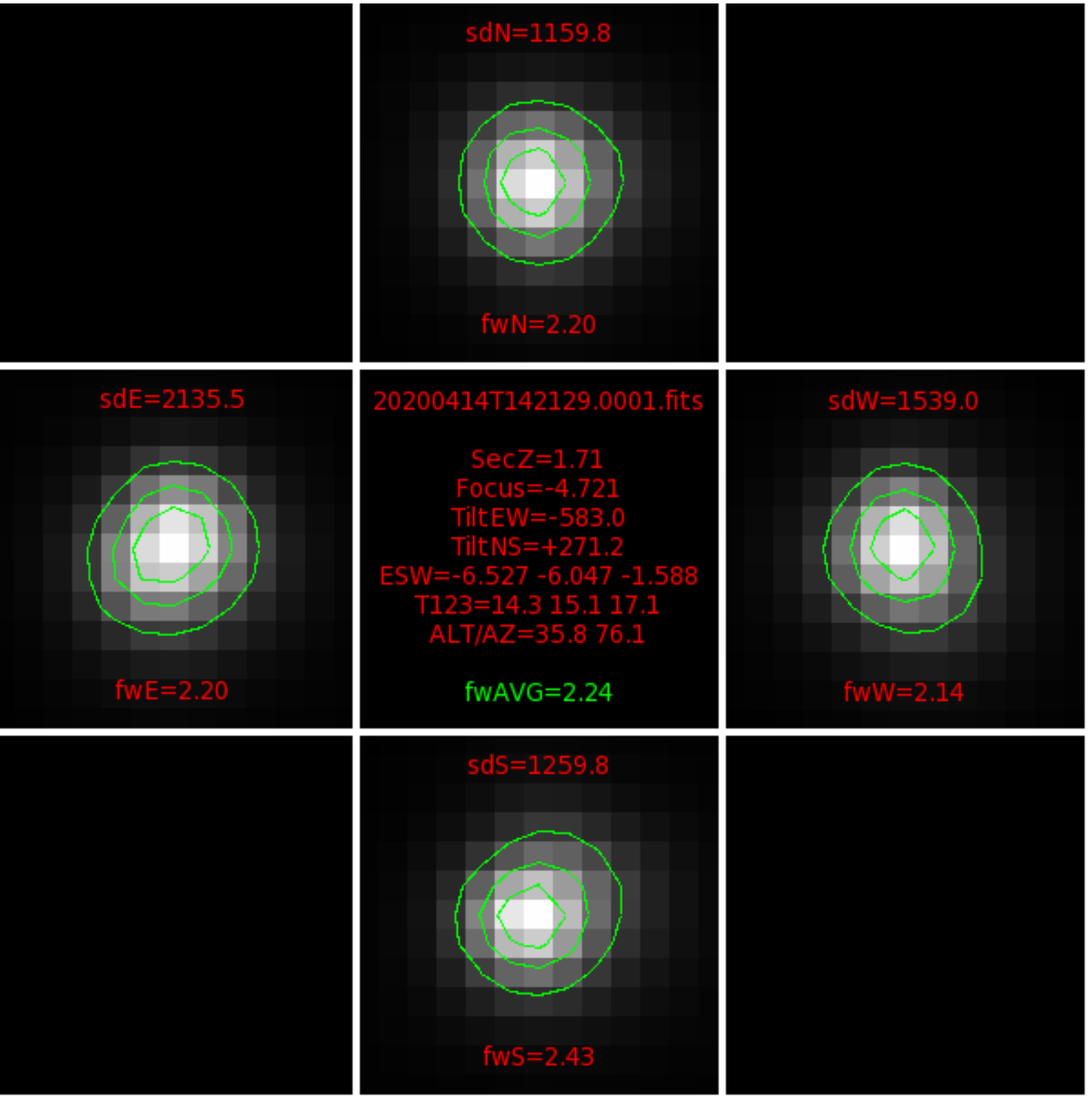
sdN=1159.8
fwN=2.20
sdE=2135.5
fwE=2.20
20200414T142129.0001.fits
SecZ=1.71
Focus=-4.721
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.527 -6.047 -1.588
T123=14.3 15.1 17.1
ALT/AZ=35.8 76.1
fwAVG=2.24
sdW=1539.0
fwW=2.14
sdS=1259.8
fwS=2.43
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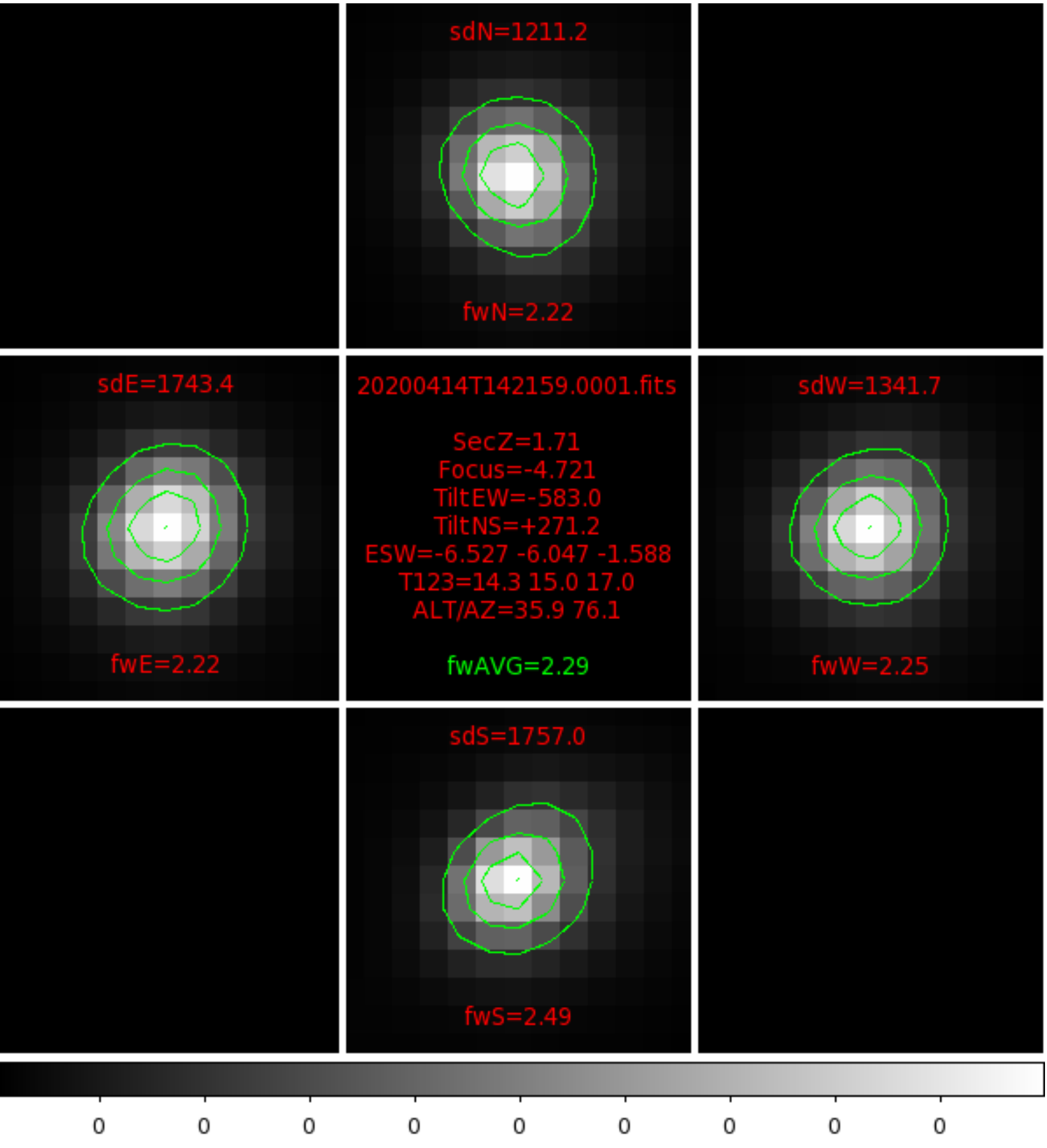
sdN=1211.2
fwN=2.22
sdE=1743.4
fwE=2.22
20200414T142159.0001.fits
SecZ=1.71
Focus=-4.721
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.527 -6.047 -1.588
T123=14.3 15.0 17.0
ALT/AZ=35.9 76.1
fwAVG=2.29
sdW=1341.7
fwW=2.25
sdS=1757.0
fwS=2.49
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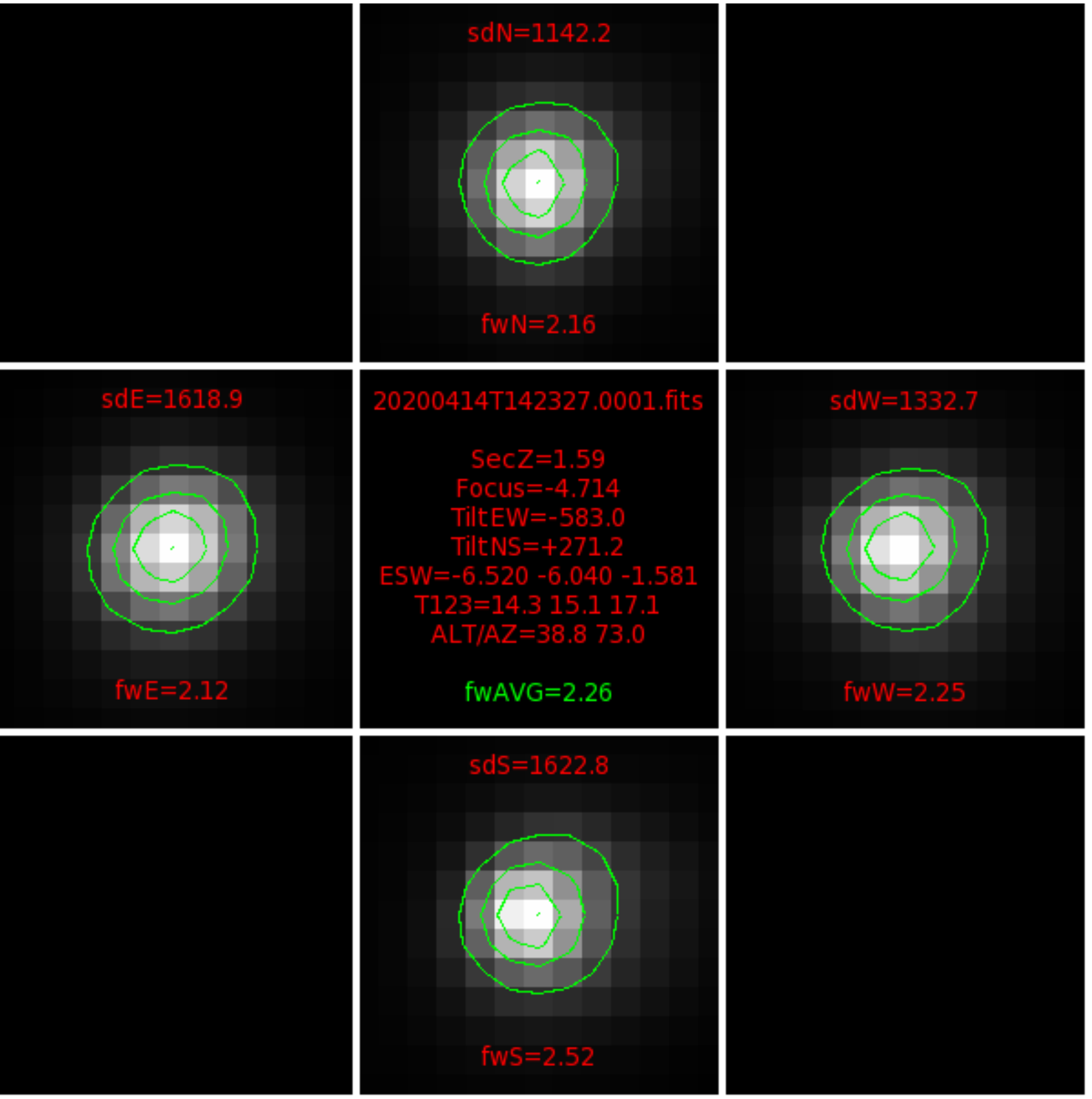
sdN=1142.2
fwN=2.16
sdE=1618.9
fwE=2.12
20200414T142327.0001.fits
SecZ=1.59
Focus=-4.714
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.520 -6.040 -1.581
T123=14.3 15.1 17.1
ALT/AZ=38.8 73.0
fwAVG=2.26
sdW=1332.7
fwW=2.25
sdS=1622.8
fwS=2.52
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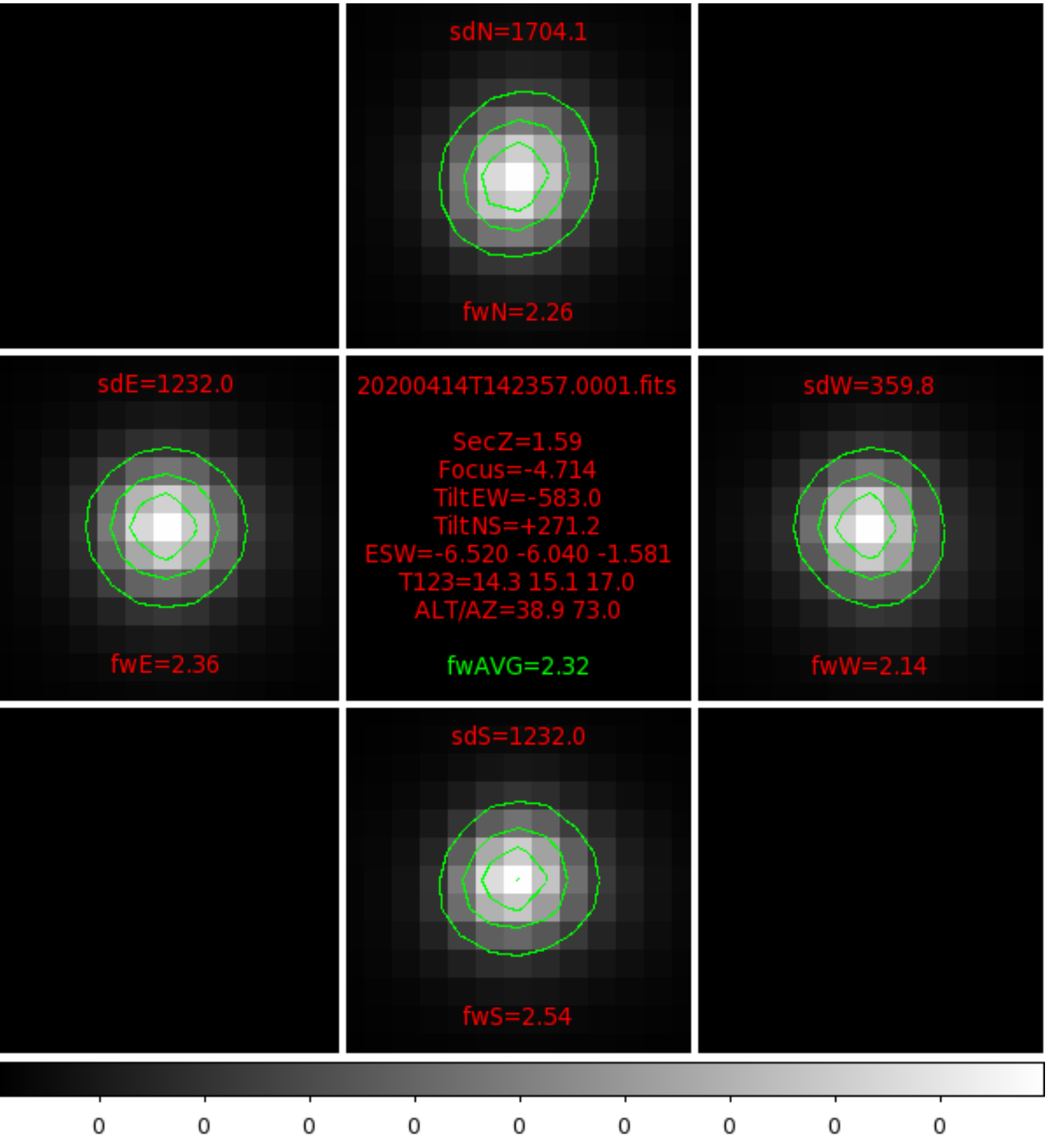
sdN=1704.1
fwN=2.26
sdE=1232.0
fwE=2.36
20200414T142357.0001.fits
SecZ=1.59
Focus=-4.714
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.520 -6.040 -1.581
T123=14.3 15.1 17.0
ALT/AZ=38.9 73.0
fwAVG=2.32
sdW=359.8
fwW=2.14
sdS=1232.0
fwS=2.54
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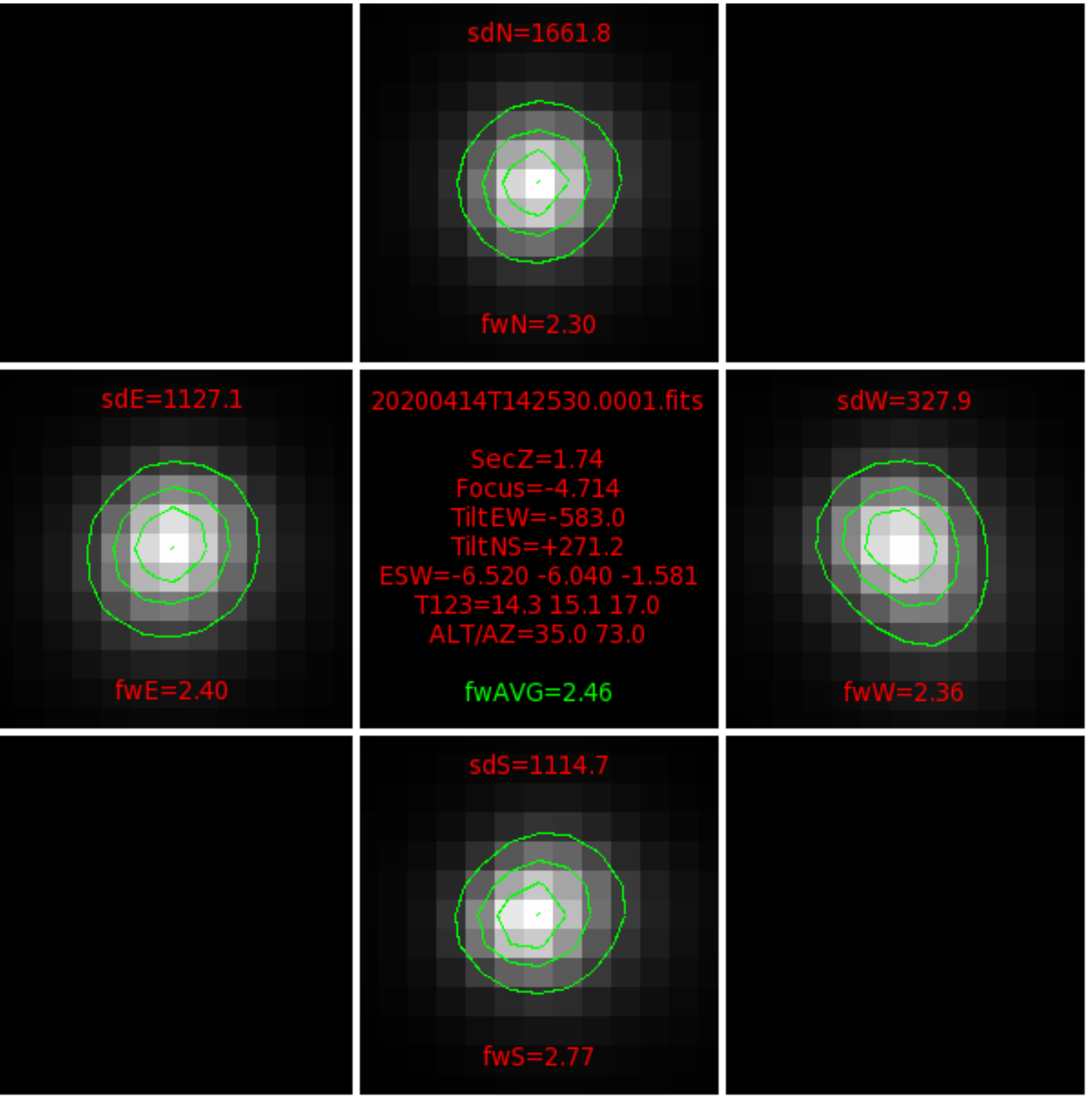
sdN=1661.8
fwN=2.30
sdE=1127.1
fwE=2.40
20200414T142530.0001.fits
SecZ=1.74
Focus=-4.714
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.520 -6.040 -1.581
T123=14.3 15.1 17.0
ALT/AZ=35.0 73.0
fwAVG=2.46
sdW=327.9
fwW=2.36
sdS=1114.7
fwS=2.77
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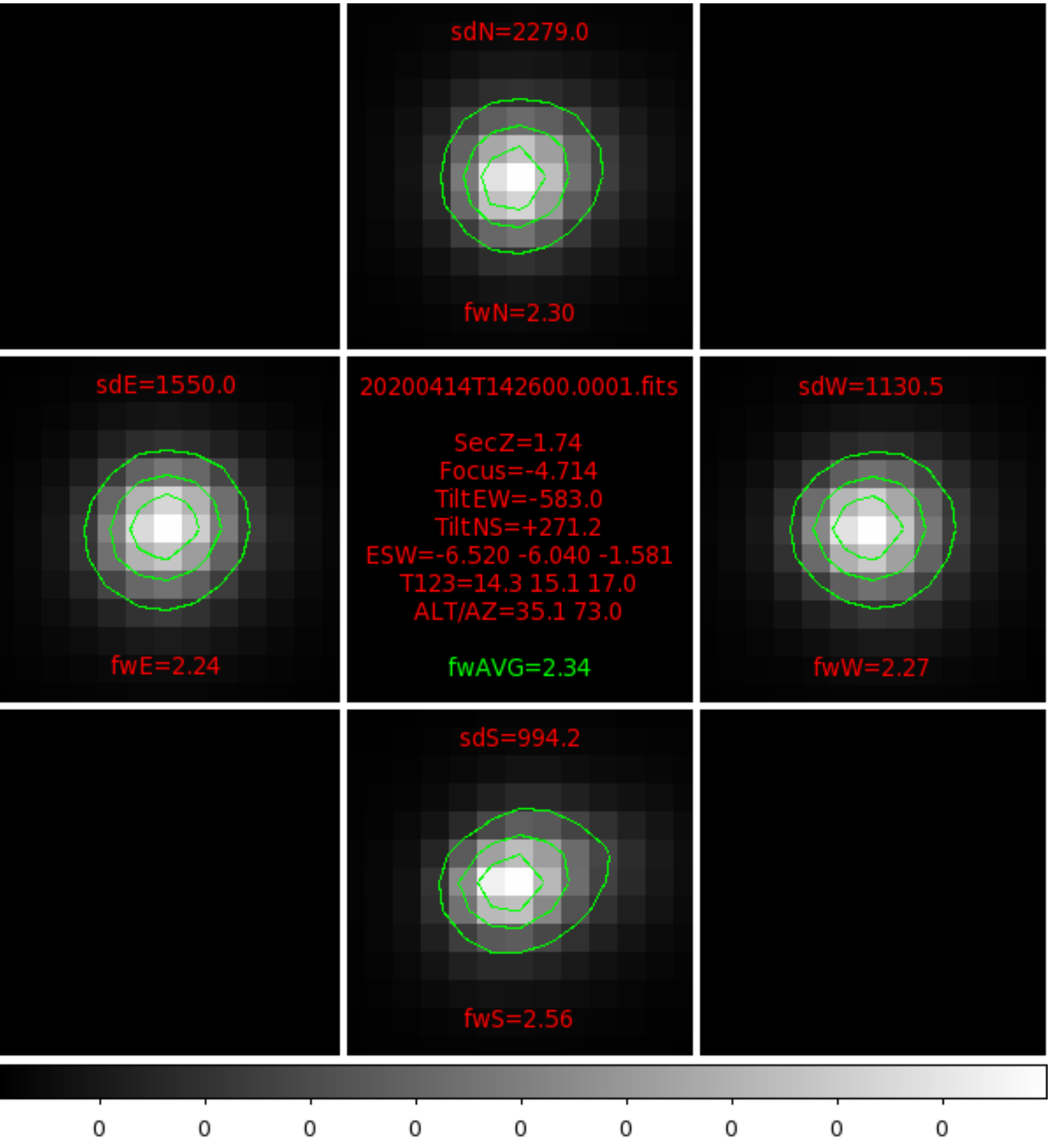
sdN=2279.0
fwN=2.30
sdE=1550.0
fwE=2.24
20200414T142600.0001.fits
SecZ=1.74
Focus=-4.714
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.520 -6.040 -1.581
T123=14.3 15.1 17.0
ALT/AZ=35.1 73.0
fwAVG=2.34
sdW=1130.5
fwW=2.27
sdS=994.2
fwS=2.56
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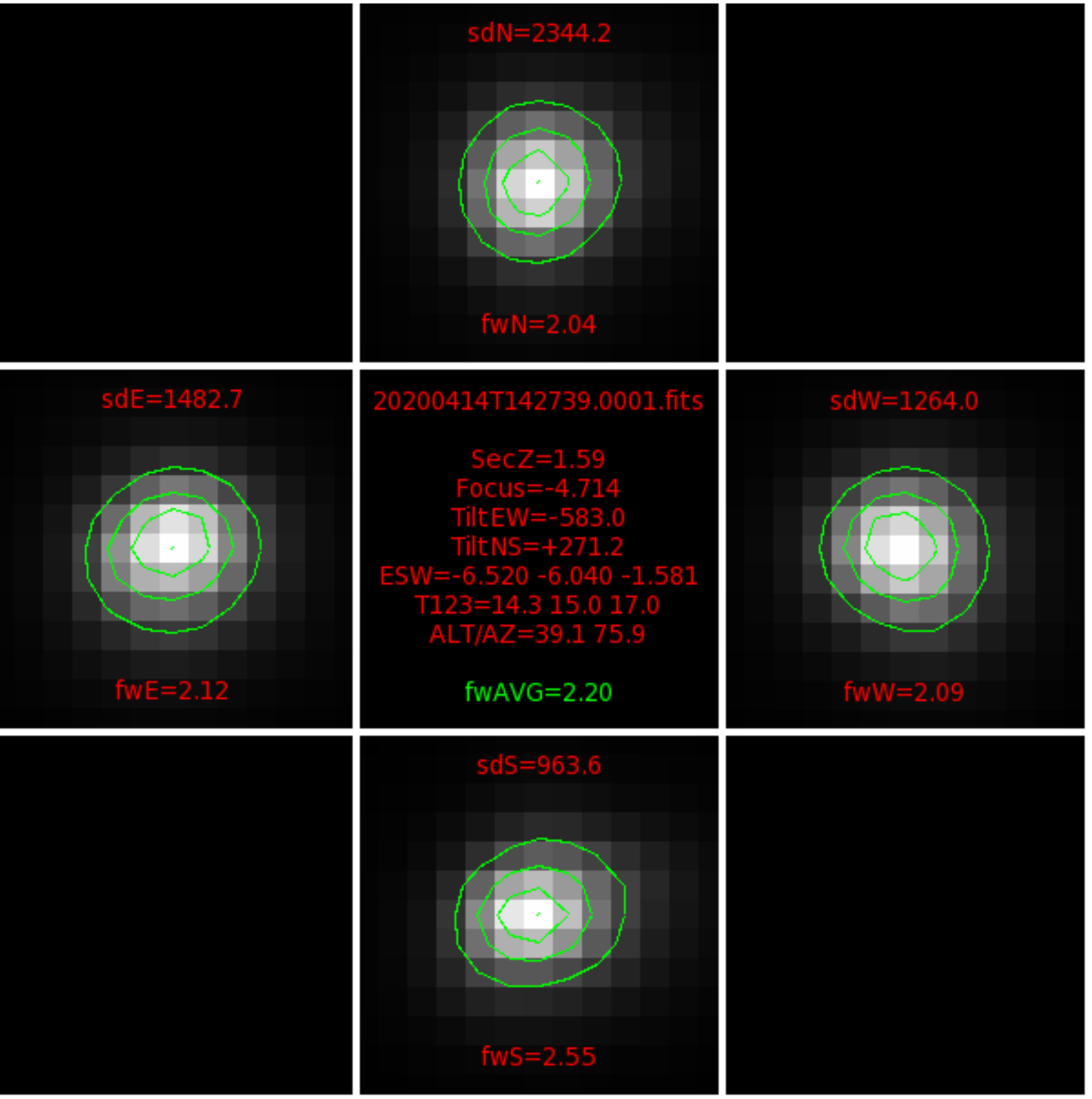
sdN=2344.2
fwN=2.04
sdE=1482.7
fwE=2.12
20200414T142739.0001.fits
SecZ=1.59
Focus=-4.714
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.520 -6.040 -1.581
T123=14.3 15.0 17.0
ALT/AZ=39.1 75.9
fwAVG=2.20
sdW=1264.0
fwW=2.09
sdS=963.6
fwS=2.55
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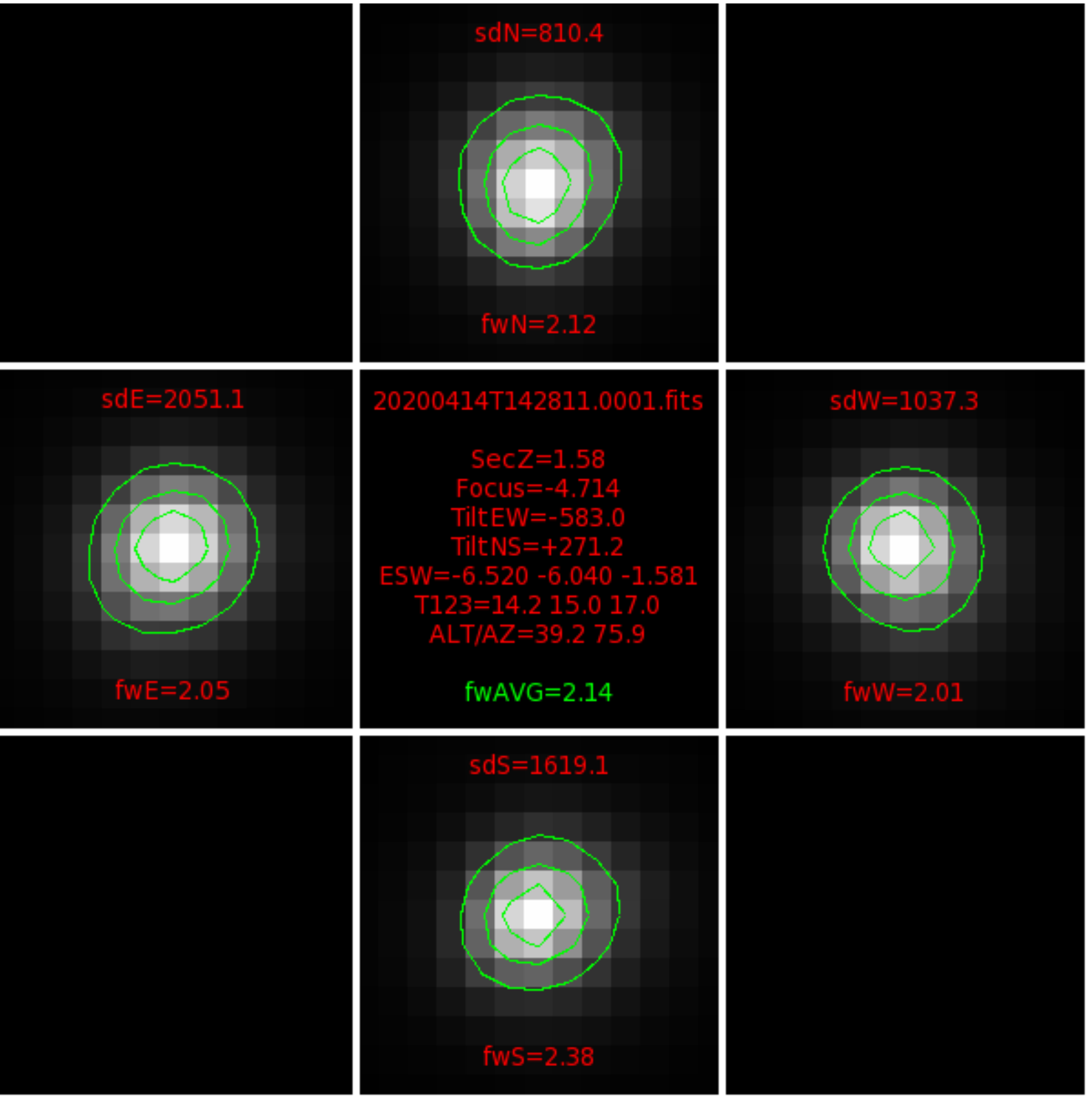
sdN=810.4
fwN=2.12
sdE=2051.1
fwE=2.05
20200414T142811.0001.fits
SecZ=1.58
Focus=-4.714
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.520 -6.040 -1.581
T123=14.2 15.0 17.0
ALT/AZ=39.2 75.9
fwAVG=2.14
sdW=1037.3
fwW=2.01
sdS=1619.1
fwS=2.38
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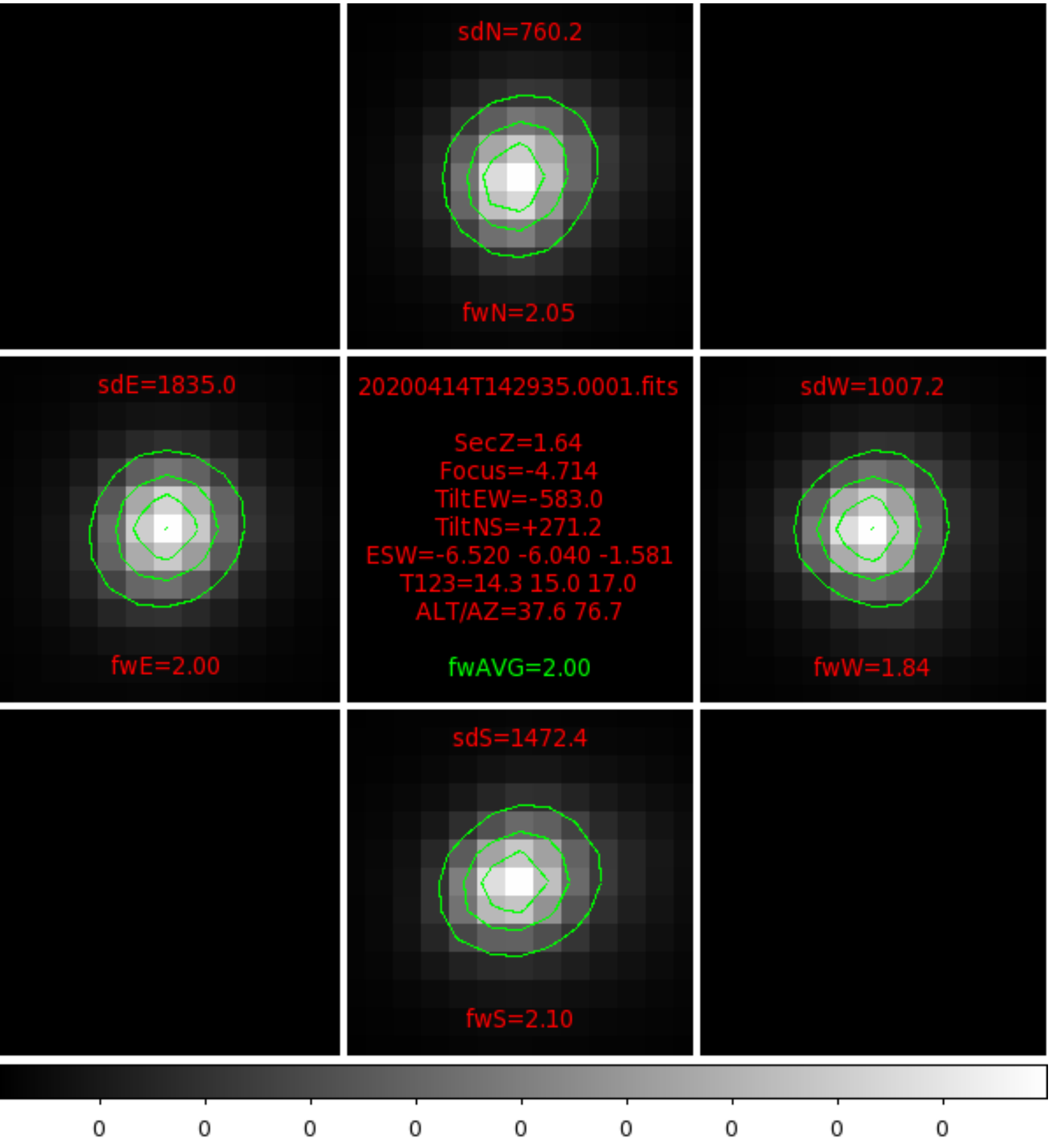
sdN=760.2
fwN=2.05
sdE=1835.0
fwE=2.00
20200414T142935.0001.fits
SecZ=1.64
Focus=-4.714
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.520 -6.040 -1.581
T123=14.3 15.0 17.0
ALT/AZ=37.6 76.7
fwAVG=2.00
sdW=1007.2
fwW=1.84
sdS=1472.4
fwS=2.10
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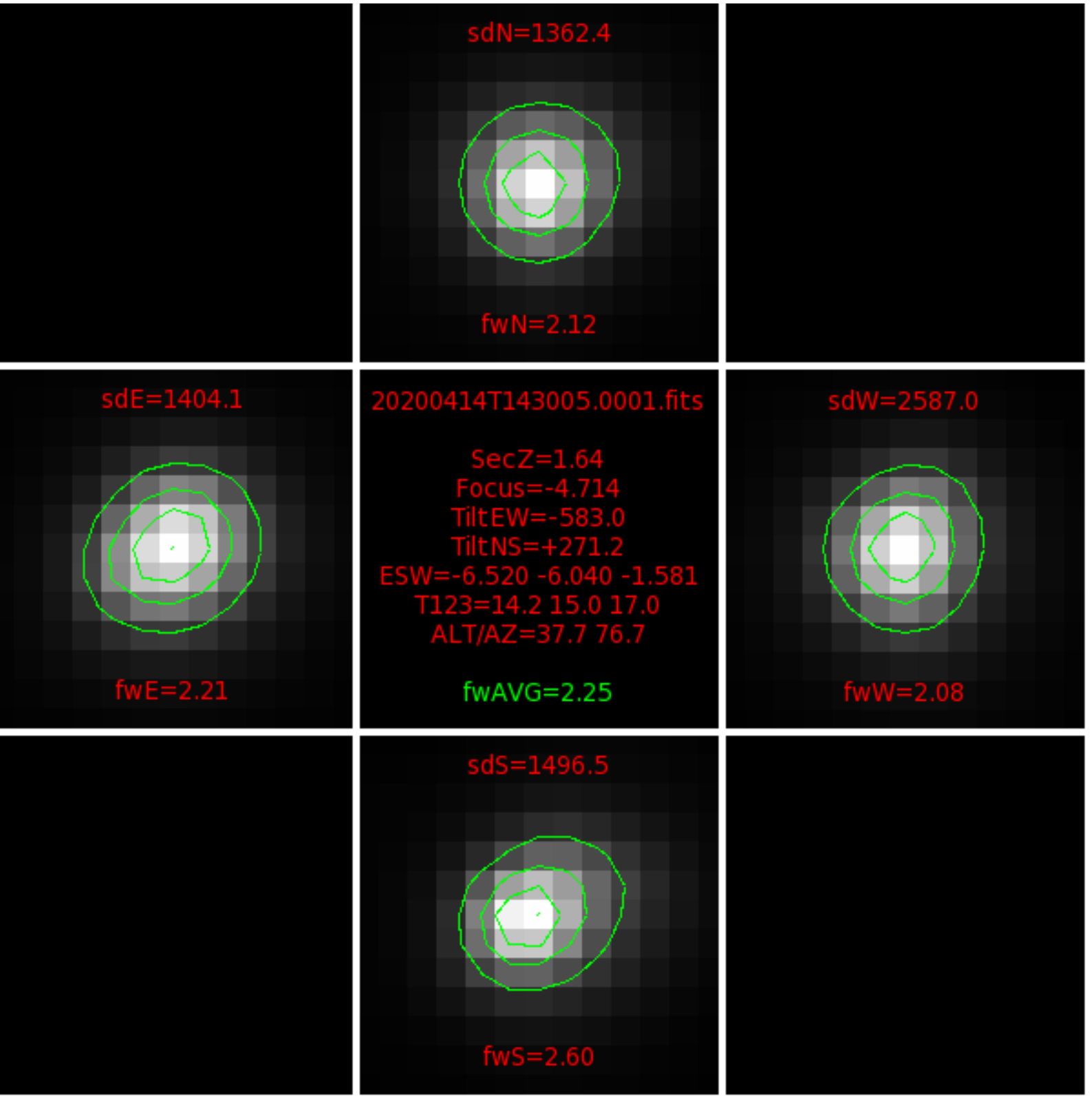
sdN=1362.4
fwN=2.12
sdE=1404.1
fwE=2.21
20200414T143005.0001.fits
SecZ=1.64
Focus=-4.714
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.520 -6.040 -1.581
T123=14.2 15.0 17.0
ALT/AZ=37.7 76.7
fwAVG=2.25
sdW=2587.0
fwW=2.08
sdS=1496.5
fwS=2.60
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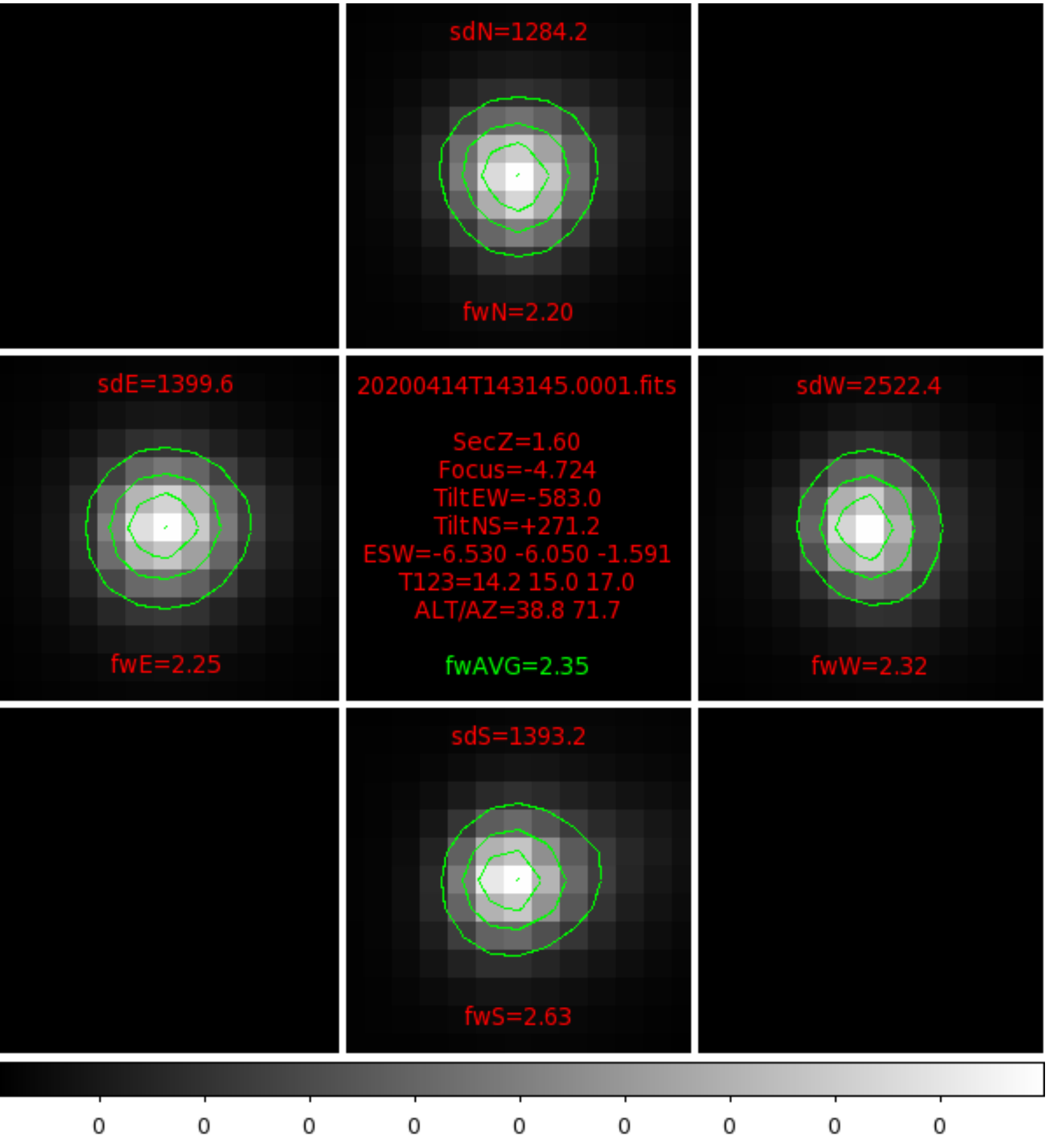
sdN=1284.2
fwN=2.20
sdE=1399.6
fwE=2.25
20200414T143145.0001.fits
SecZ=1.60
Focus=-4.724
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.530 -6.050 -1.591
T123=14.2 15.0 17.0
ALT/AZ=38.8 71.7
fwAVG=2.35
sdW=2522.4
fwW=2.32
sdS=1393.2
fwS=2.63
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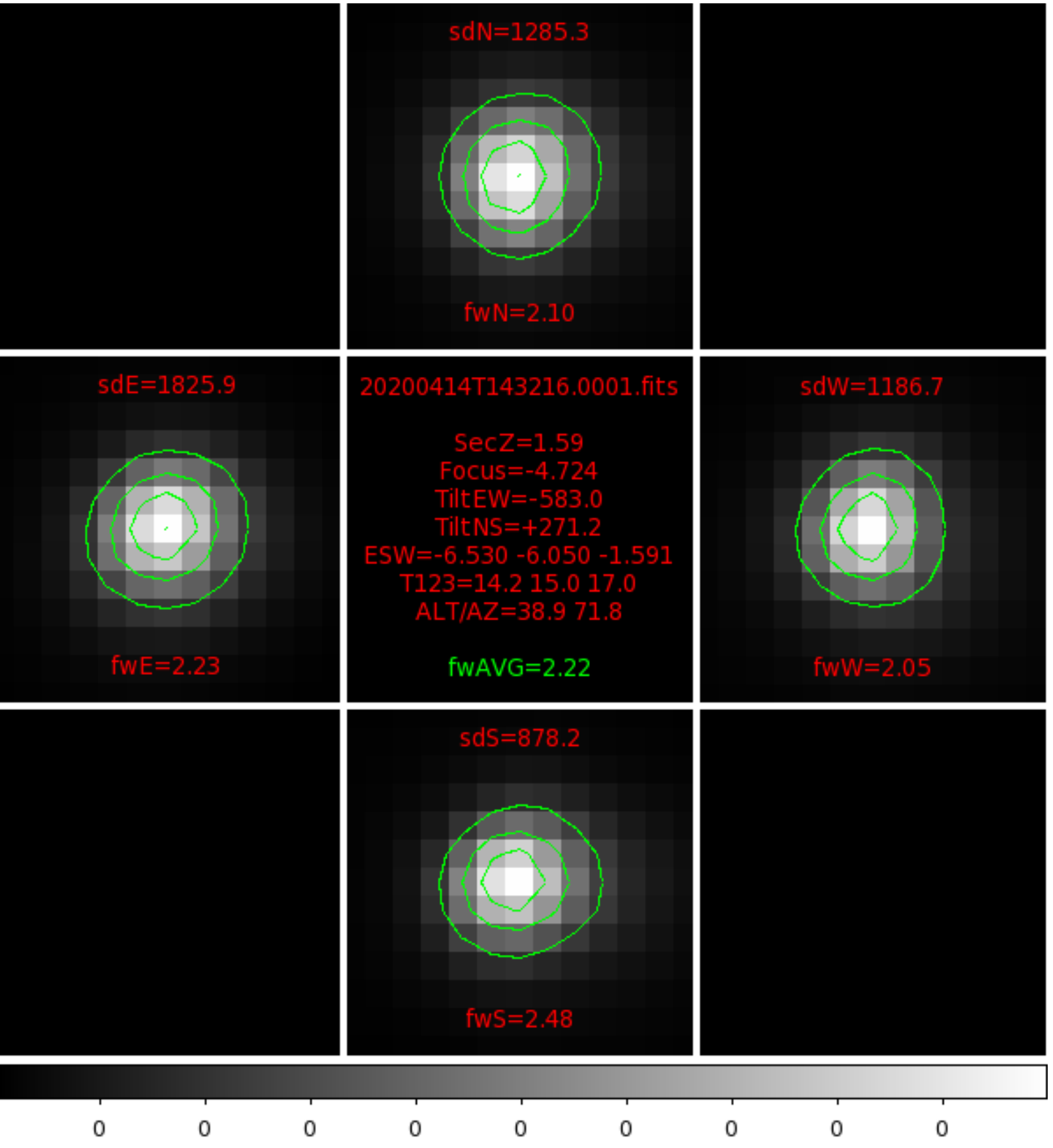
sdN=1285.3
fwN=2.10
sdE=1825.9
fwE=2.23
20200414T143216.0001.fits
SecZ=1.59
Focus=-4.724
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.530 -6.050 -1.591
T123=14.2 15.0 17.0
ALT/AZ=38.9 71.8
fwAVG=2.22
sdW=1186.7
fwW=2.05
sdS=878.2
fwS=2.48
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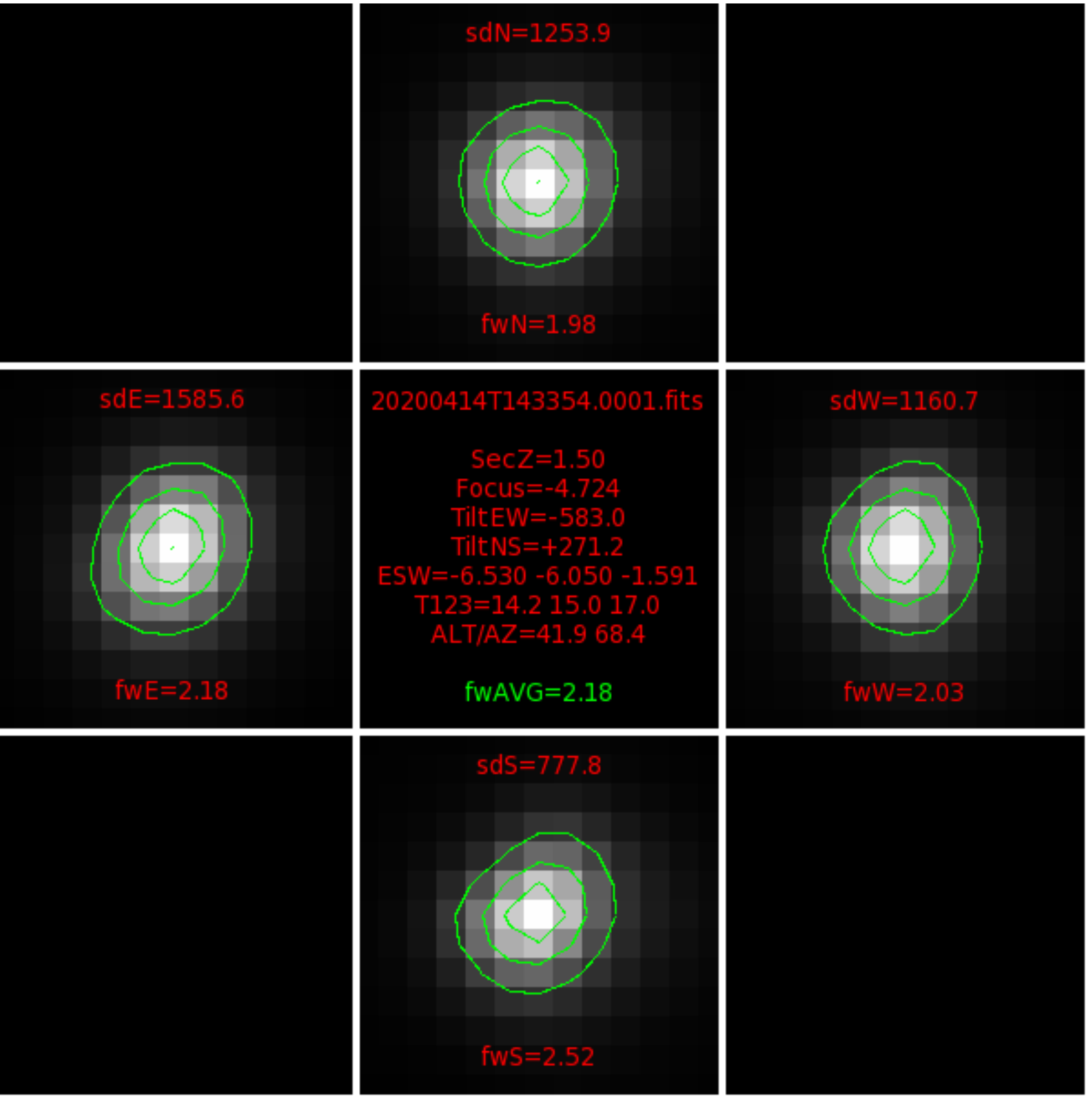
sdN=1253.9
fwN=1.98
sdE=1585.6
fwE=2.18
20200414T143354.0001.fits
SecZ=1.50
Focus=-4.724
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.530 -6.050 -1.591
T123=14.2 15.0 17.0
ALT/AZ=41.9 68.4
fwAVG=2.18
sdW=1160.7
fwW=2.03
sdS=777.8
fwS=2.52
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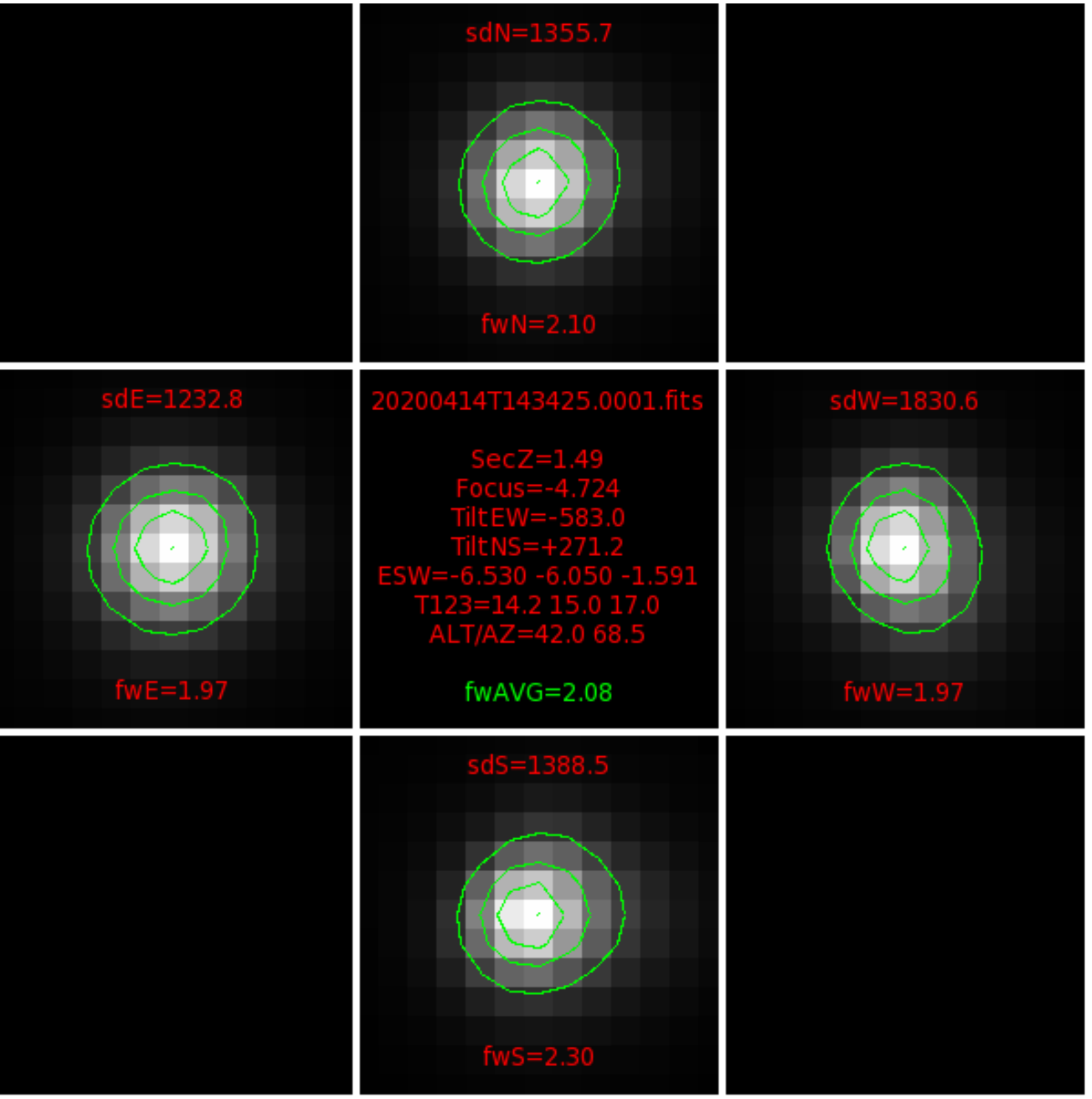
sdN=1355.7
fwN=2.10
sdE=1232.8
fwE=1.97
20200414T143425.0001.fits
SecZ=1.49
Focus=-4.724
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.530 -6.050 -1.591
T123=14.2 15.0 17.0
ALT/AZ=42.0 68.5
fwAVG=2.08
sdW=1830.6
fwW=1.97
sdS=1388.5
fwS=2.30
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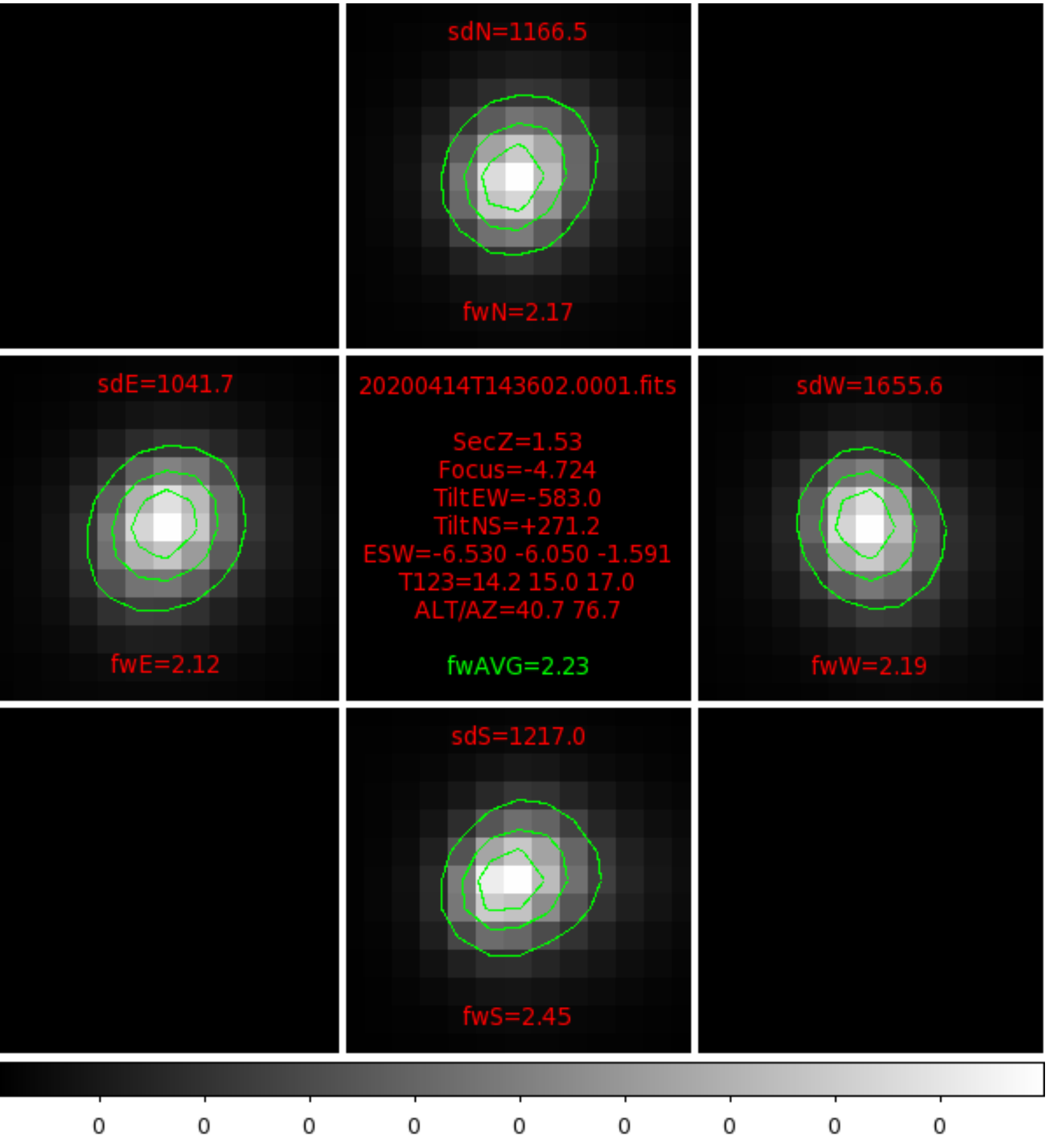
sdN=1166.5
fwN=2.17
sdE=1041.7
fwE=2.12
20200414T143602.0001.fits
SecZ=1.53
Focus=-4.724
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.530 -6.050 -1.591
T123=14.2 15.0 17.0
ALT/AZ=40.7 76.7
fwAVG=2.23
sdW=1655.6
fwW=2.19
sdS=1217.0
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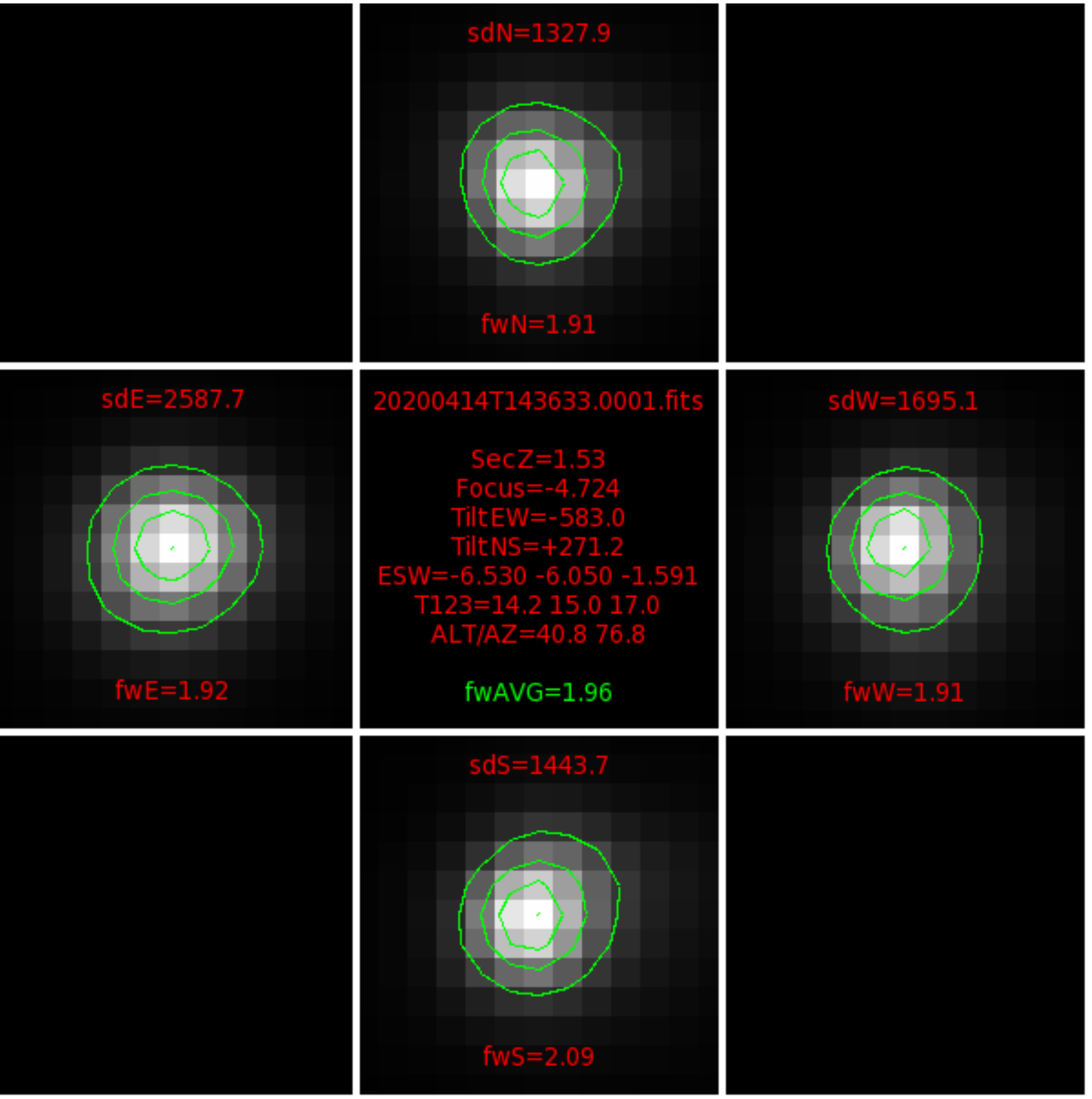
sdN=1327.9
fwN=1.91
sdE=2587.7
fwE=1.92
20200414T143633.0001.fits
SecZ=1.53
Focus=-4.724
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.530 -6.050 -1.591
T123=14.2 15.0 17.0
ALT/AZ=40.8 76.8
fwAVG=1.96
sdW=1695.1
fwW=1.91
sdS=1443.7
fwS=2.09
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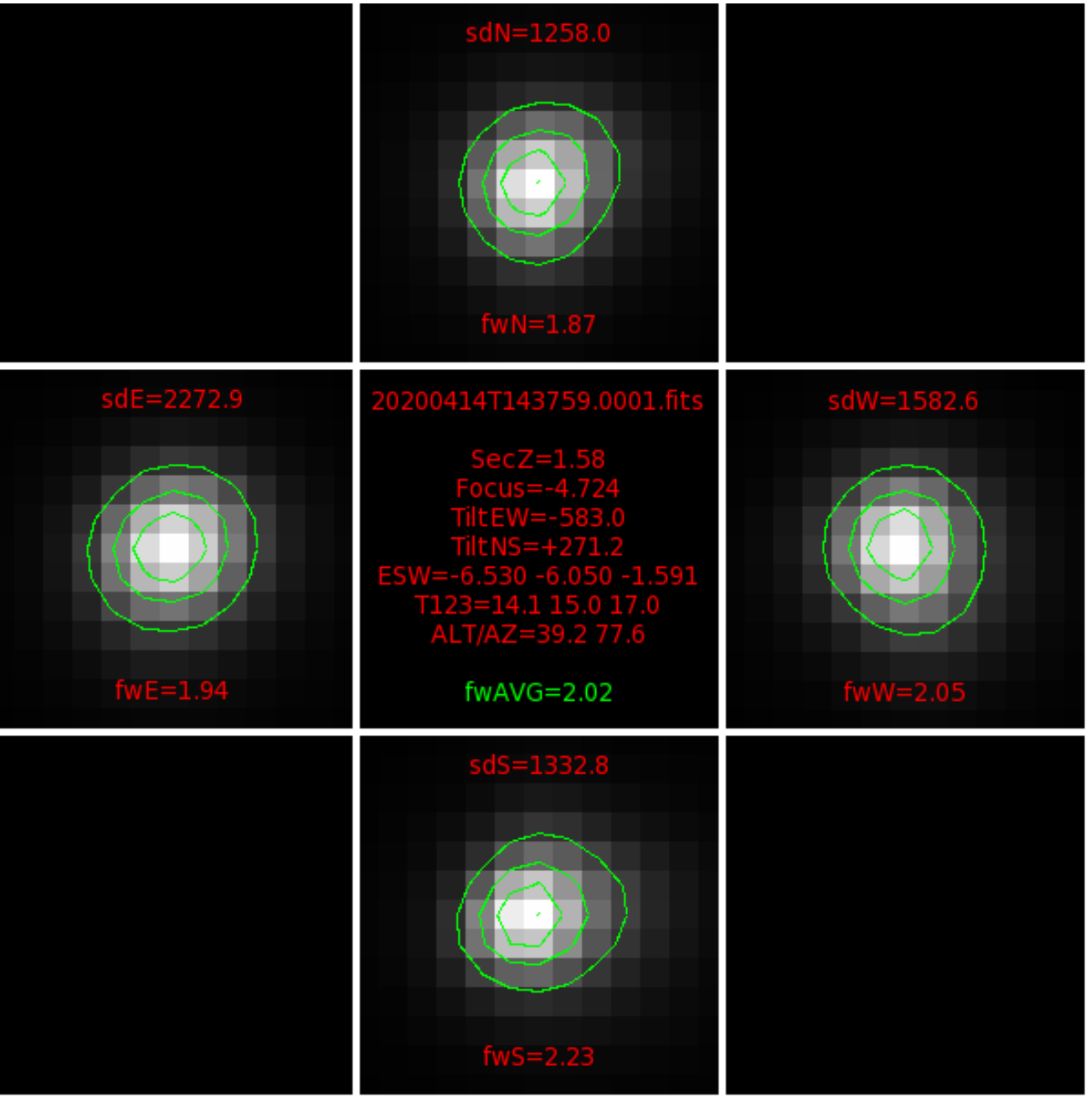
sdN=1258.0
fwN=1.87
sdE=2272.9
fwE=1.94
20200414T143759.0001.fits
SecZ=1.58
Focus=-4.724
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.530 -6.050 -1.591
T123=14.1 15.0 17.0
ALT/AZ=39.2 77.6
fwAVG=2.02
sdW=1582.6
fwW=2.05
sdS=1332.8
fwS=2.23
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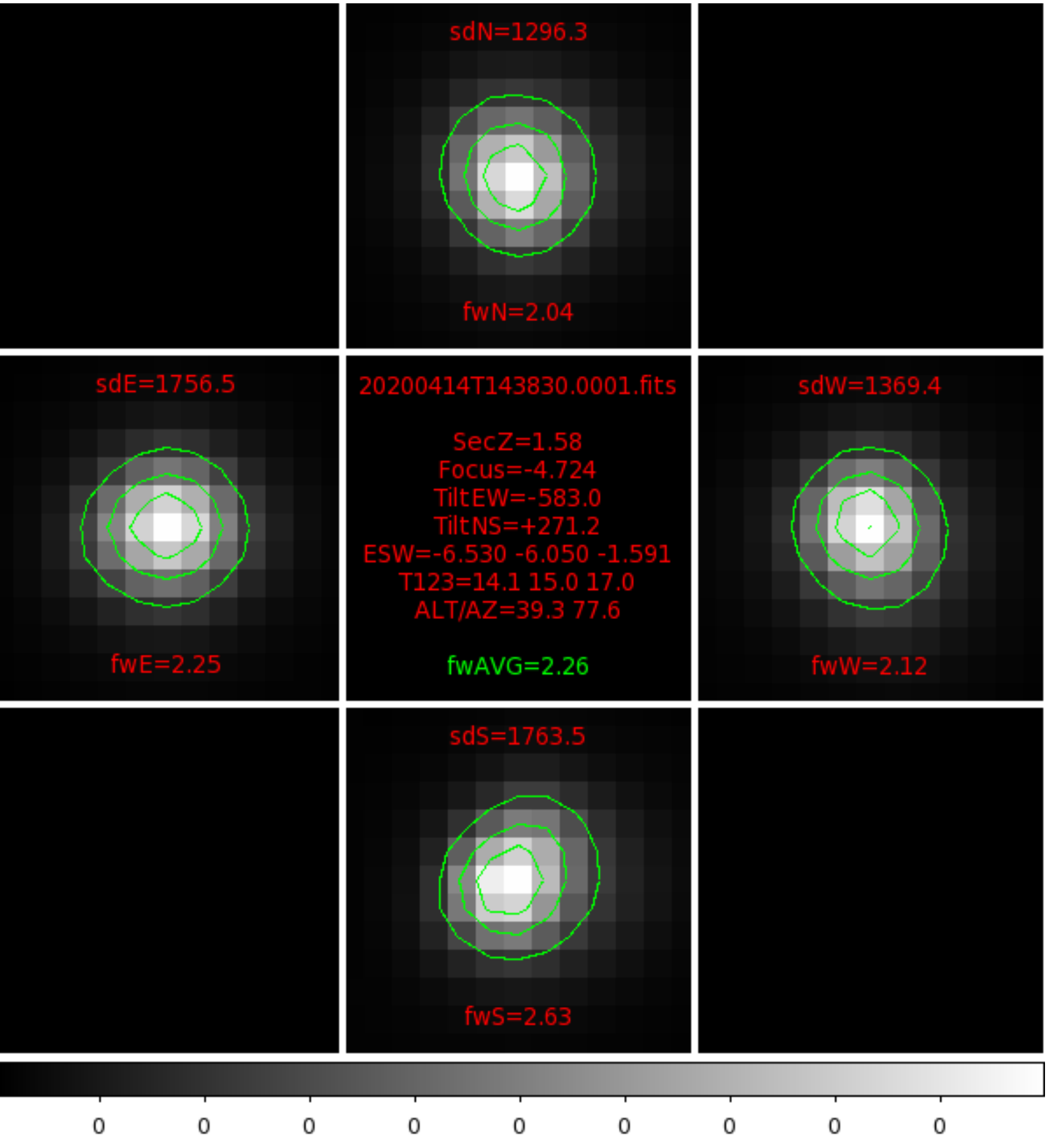
sdN=1296.3
fwN=2.04
sdE=1756.5
fwE=2.25
20200414T143830.0001.fits
SecZ=1.58
Focus=-4.724
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.530 -6.050 -1.591
T123=14.1 15.0 17.0
ALT/AZ=39.3 77.6
fwAVG=2.26
sdW=1369.4
fwW=2.12
sdS=1763.5
fwS=2.63
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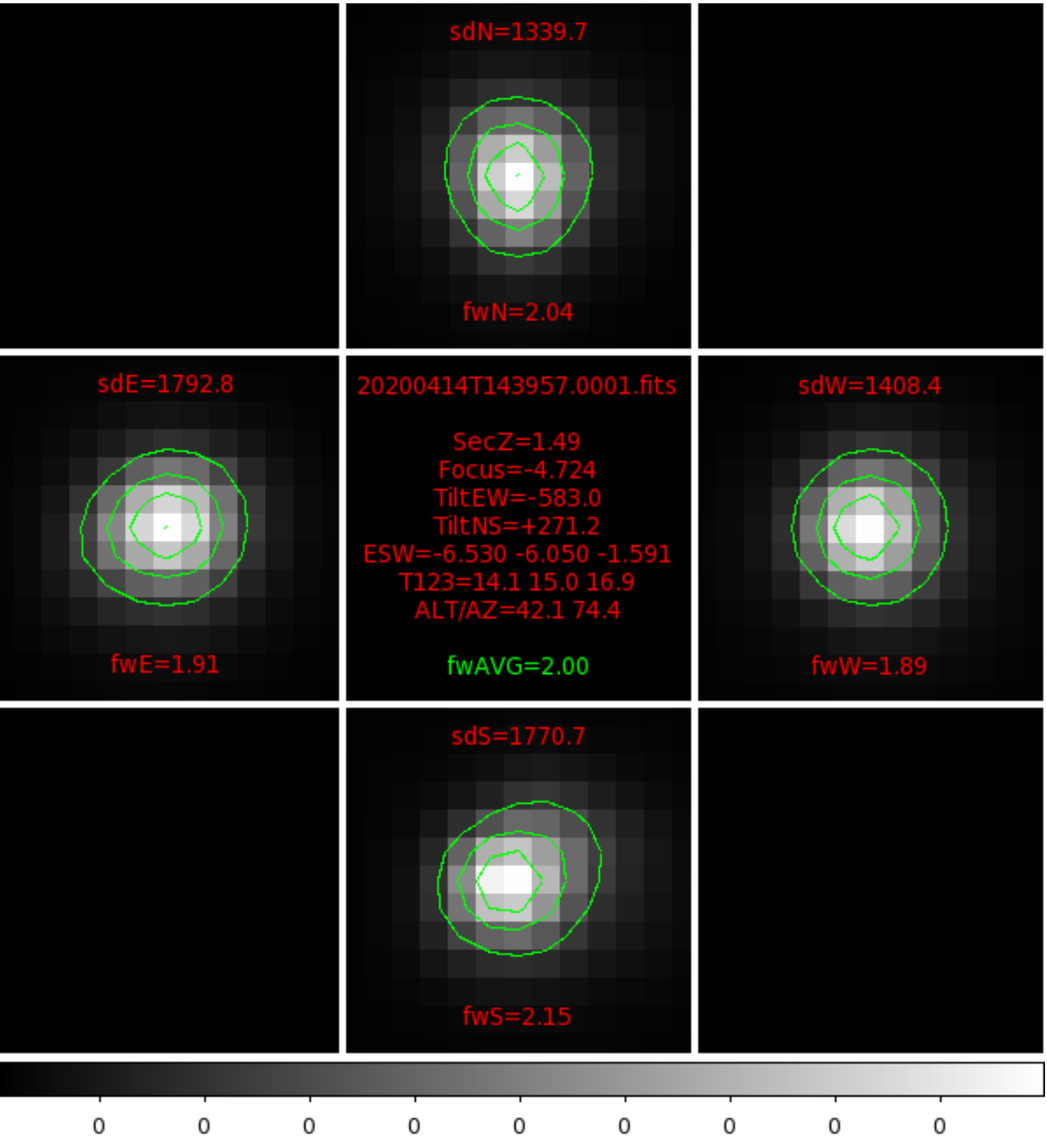
sdN=1339.7
fwN=2.04
sdE=1792.8
fwE=1.91
20200414T143957.0001.fits
SecZ=1.49
Focus=-4.724
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.530 -6.050 -1.591
T123=14.1 15.0 16.9
ALT/AZ=42.1 74.4
fwAVG=2.00
sdW=1408.4
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sdS=1770.7
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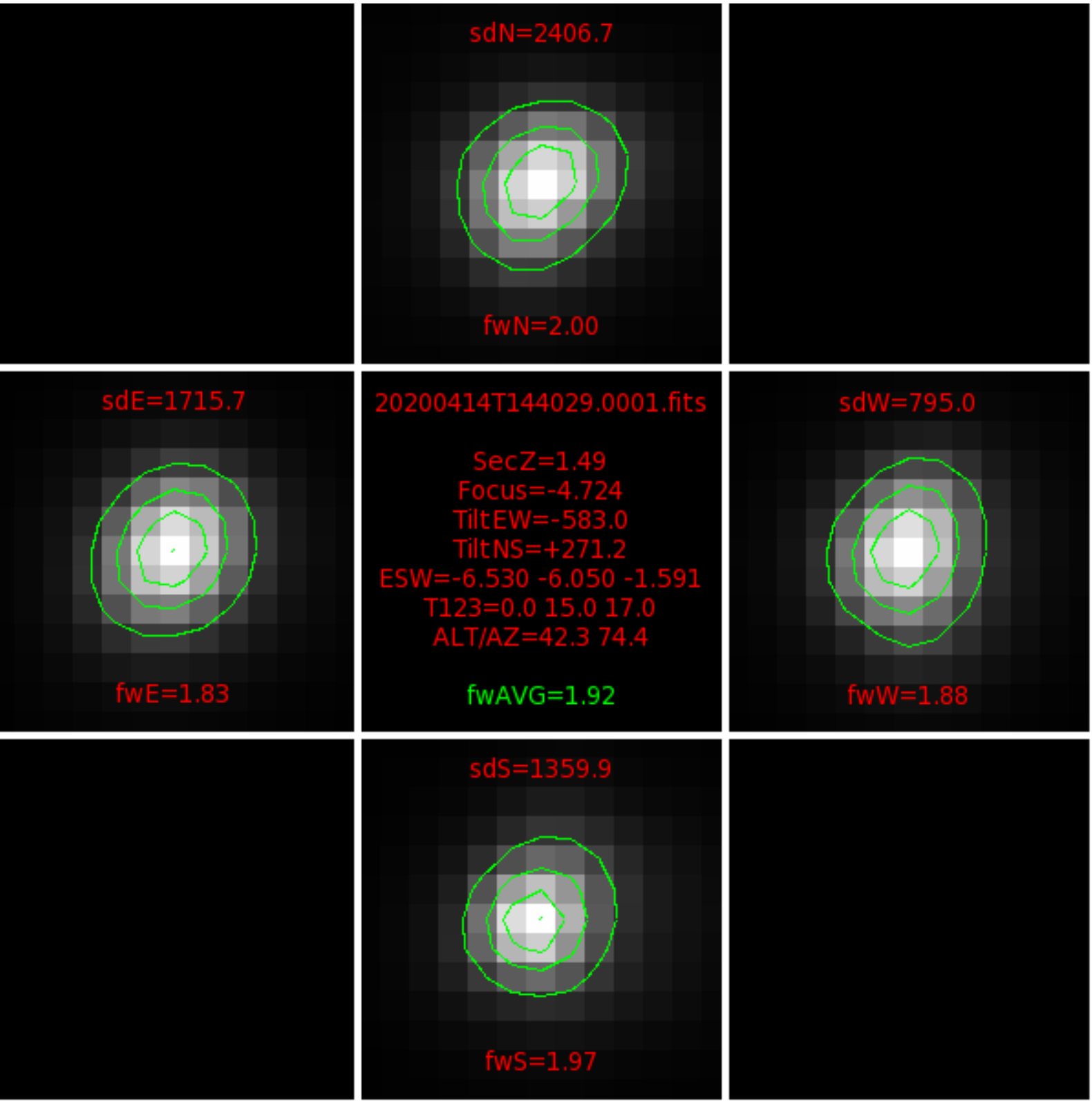
sdN=2406.7
fwN=2.00
sdE=1715.7
fwE=1.83
20200414T144029.0001.fits
SecZ=1.49
Focus=-4.724
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.530 -6.050 -1.591
T123=0.0 15.0 17.0
ALT/AZ=42.3 74.4
fwAVG=1.92
sdW=795.0
fwW=1.88
sdS=1359.9
fwS=1.97
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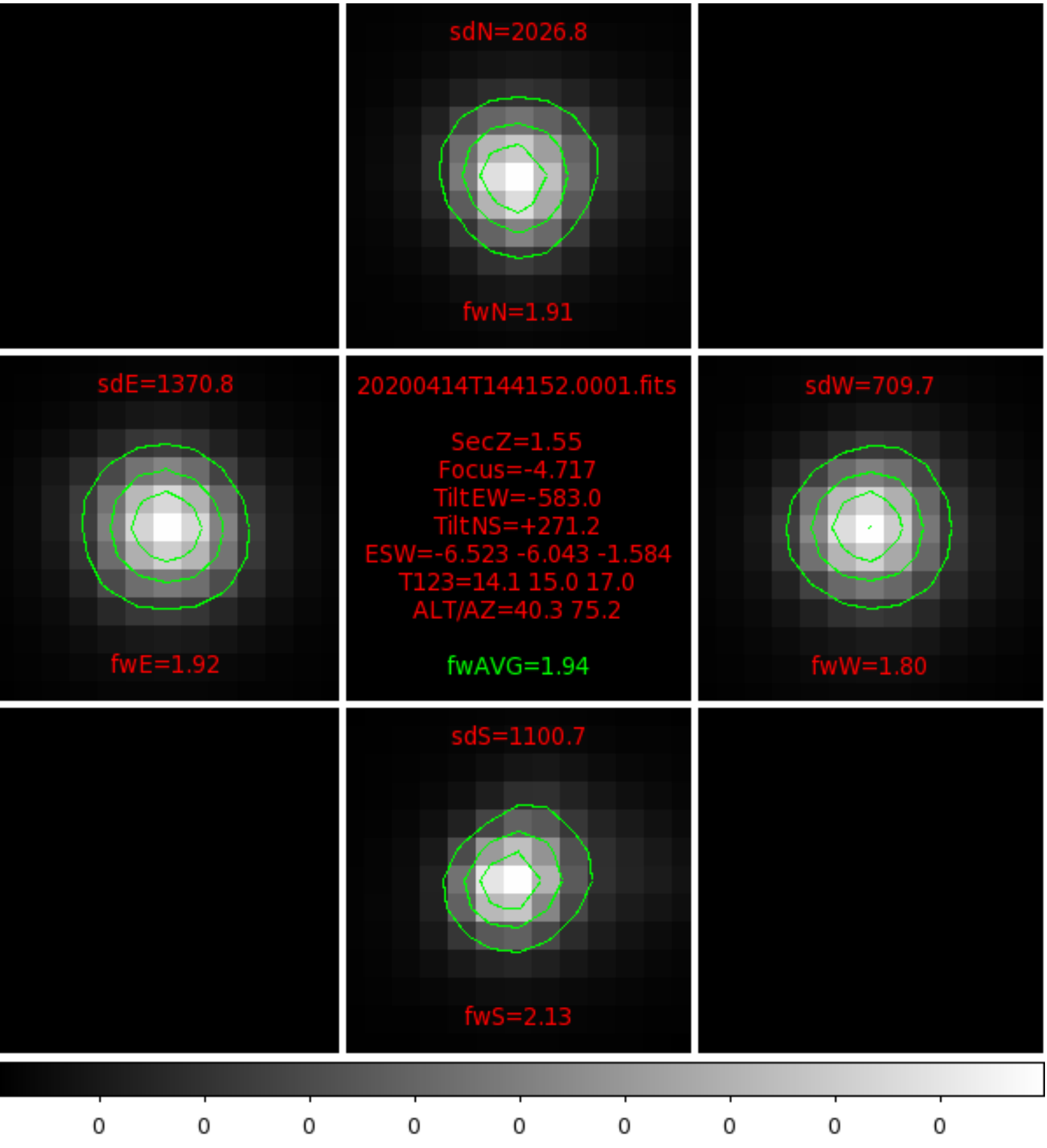
sdN=2026.8
fwN=1.91
sdE=1370.8
fwE=1.92
20200414T144152.0001.fits
SecZ=1.55
Focus=-4.717
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.523 -6.043 -1.584
T123=14.1 15.0 17.0
ALT/AZ=40.3 75.2
fwAVG=1.94
sdW=709.7
fwW=1.80
sdS=1100.7
fwS=2.13
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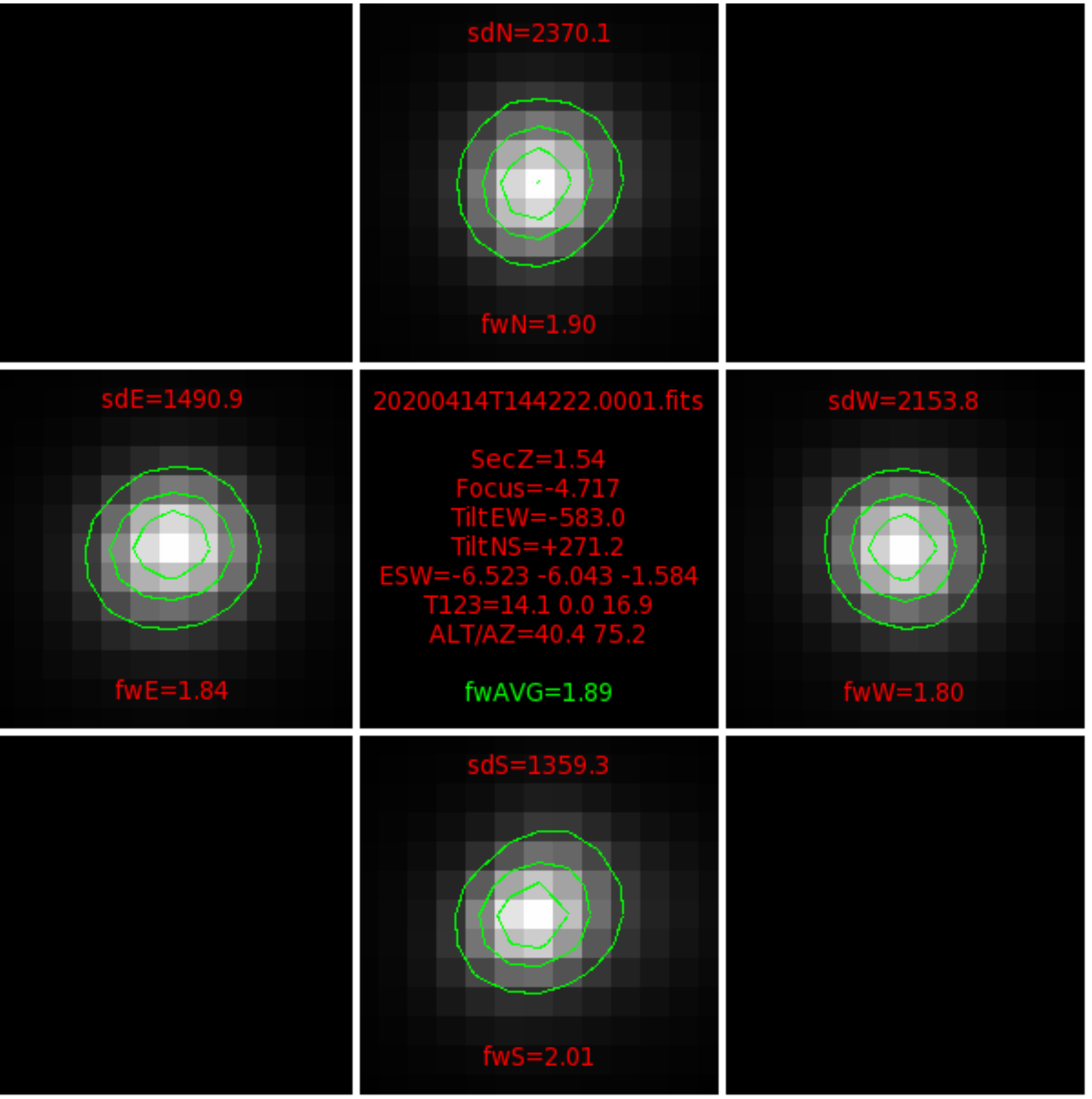
sdN=2370.1
fwN=1.90
sdE=1490.9
fwE=1.84
20200414T144222.0001.fits
SecZ=1.54
Focus=-4.717
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.523 -6.043 -1.584
T123=14.1 0.0 16.9
ALT/AZ=40.4 75.2
fwAVG=1.89
sdW=2153.8
fwW=1.80
sdS=1359.3
fwS=2.01
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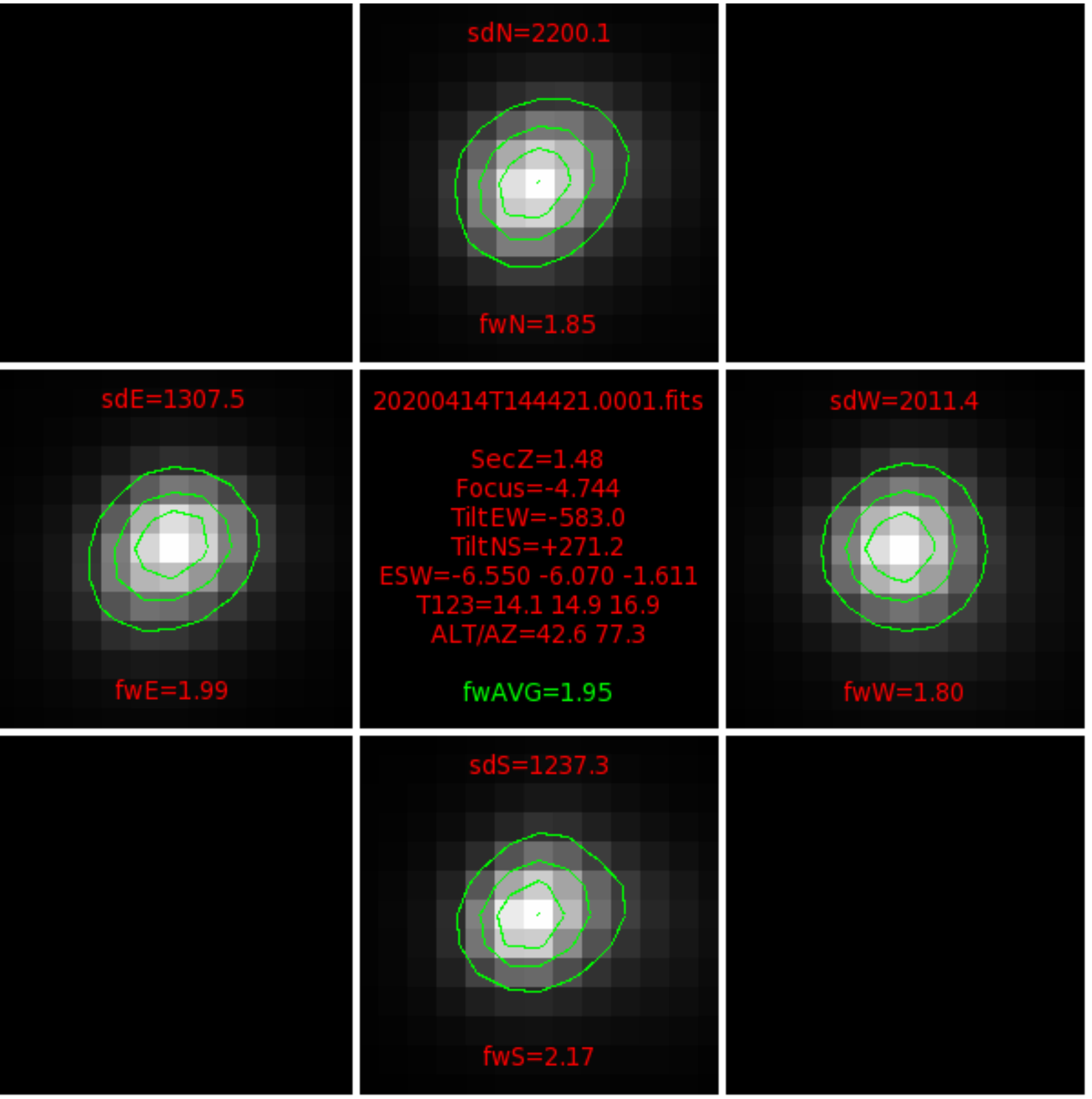
sdN=2200.1
fwN=1.85
sdE=1307.5
fwE=1.99
20200414T144421.0001.fits
SecZ=1.48
Focus=-4.744
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.550 -6.070 -1.611
T123=14.1 14.9 16.9
ALT/AZ=42.6 77.3
fwAVG=1.95
sdW=2011.4
fwW=1.80
sdS=1237.3
fwS=2.17
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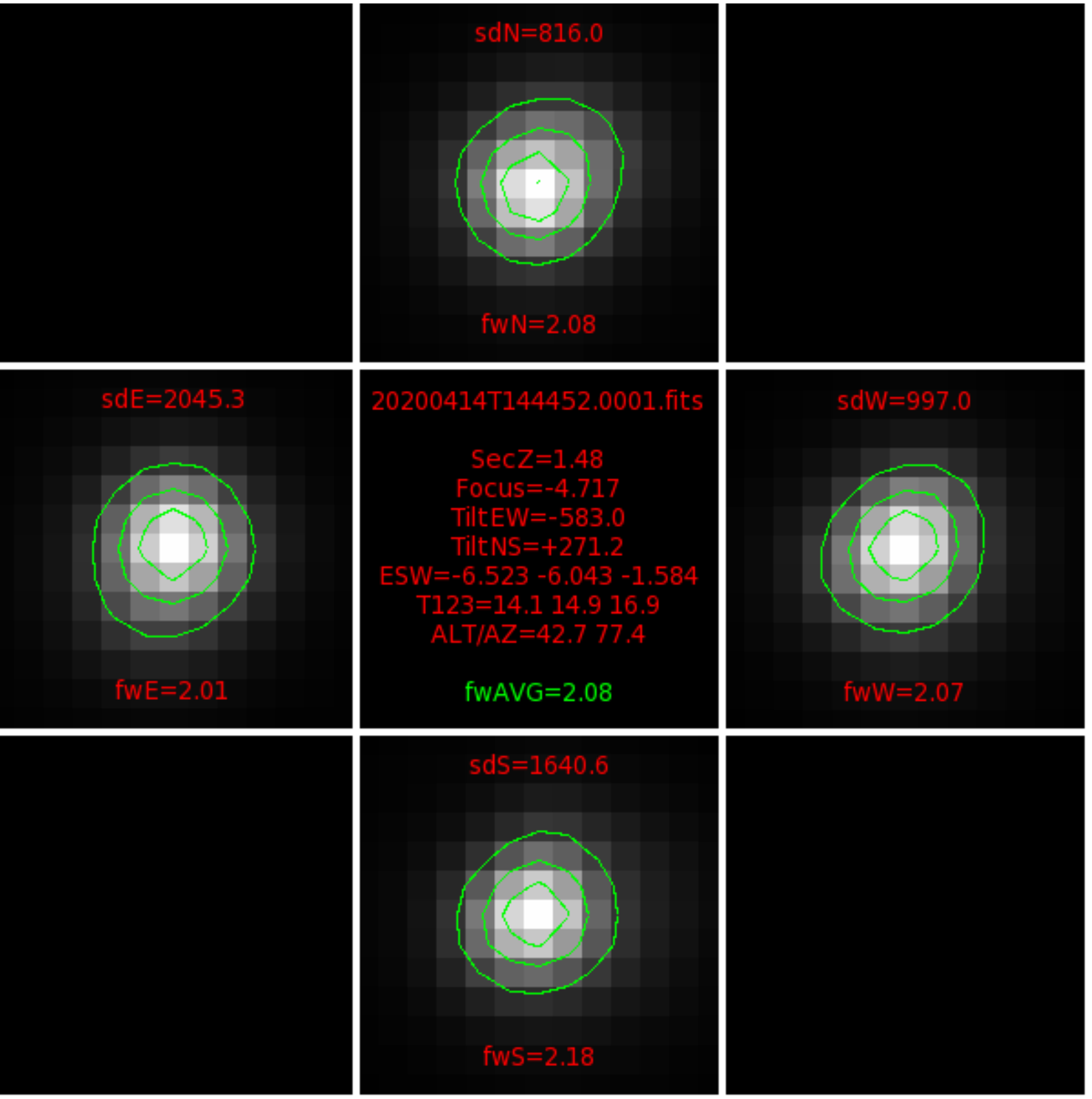
sdN=816.0
fwN=2.08
sdE=2045.3
fwE=2.01
20200414T144452.0001.fits
SecZ=1.48
Focus=-4.717
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.523 -6.043 -1.584
T123=14.1 14.9 16.9
ALT/AZ=42.7 77.4
fwAVG=2.08
sdW=997.0
fwW=2.07
sdS=1640.6
fwS=2.18
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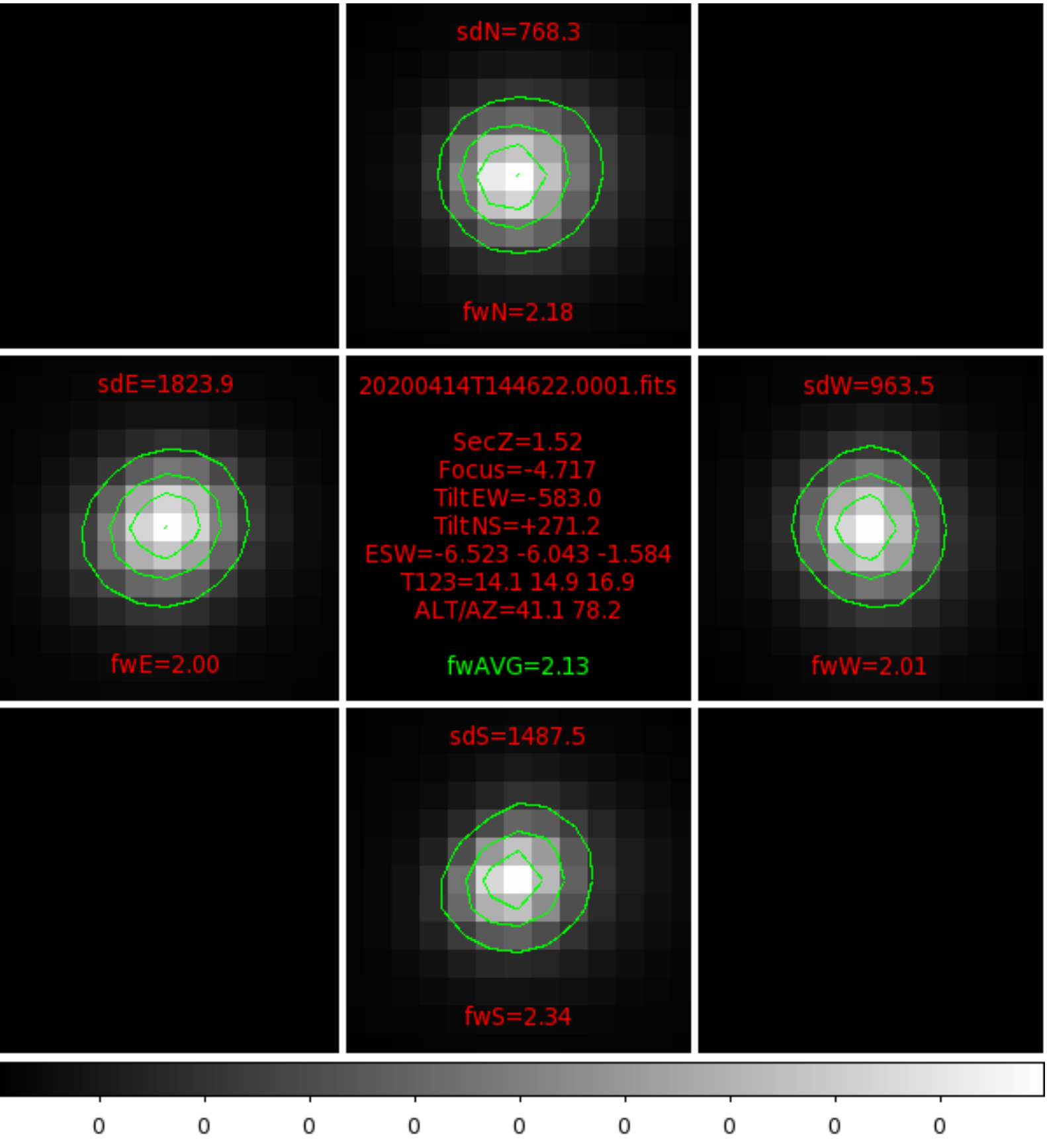
sdN=768.3
fwN=2.18
sdE=1823.9
fwE=2.00
20200414T144622.0001.fits
SecZ=1.52
Focus=-4.717
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.523 -6.043 -1.584
T123=14.1 14.9 16.9
ALT/AZ=41.1 78.2
fwAVG=2.13
sdW=963.5
fwW=2.01
sdS=1487.5
fwS=2.34
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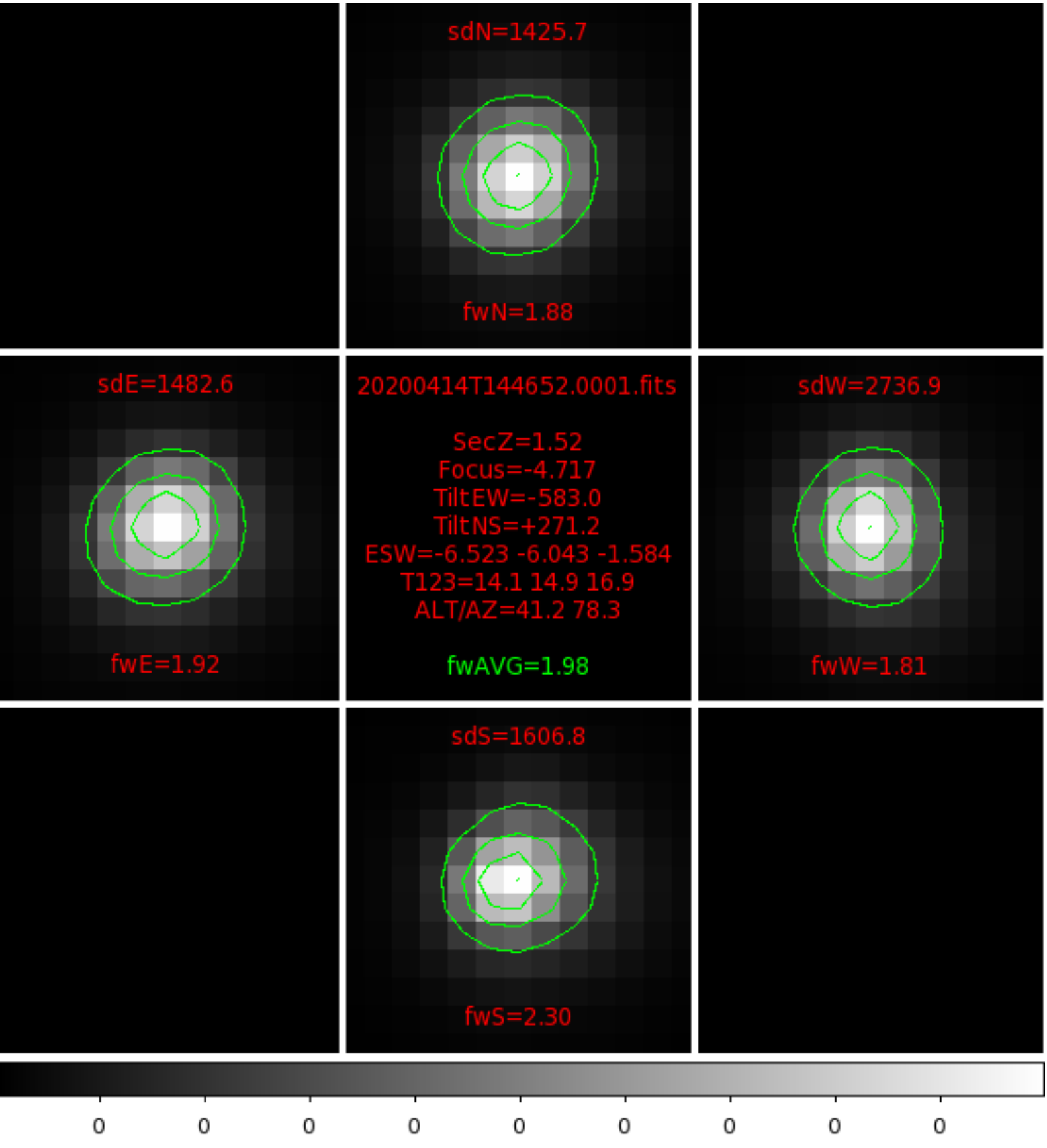
sdN=1425.7
fwN=1.88
sdE=1482.6
fwE=1.92
20200414T144652.0001.fits
SecZ=1.52
Focus=-4.717
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.523 -6.043 -1.584
T123=14.1 14.9 16.9
ALT/AZ=41.2 78.3
fwAVG=1.98
sdW=2736.9
fwW=1.81
sdS=1606.8
fwS=2.30
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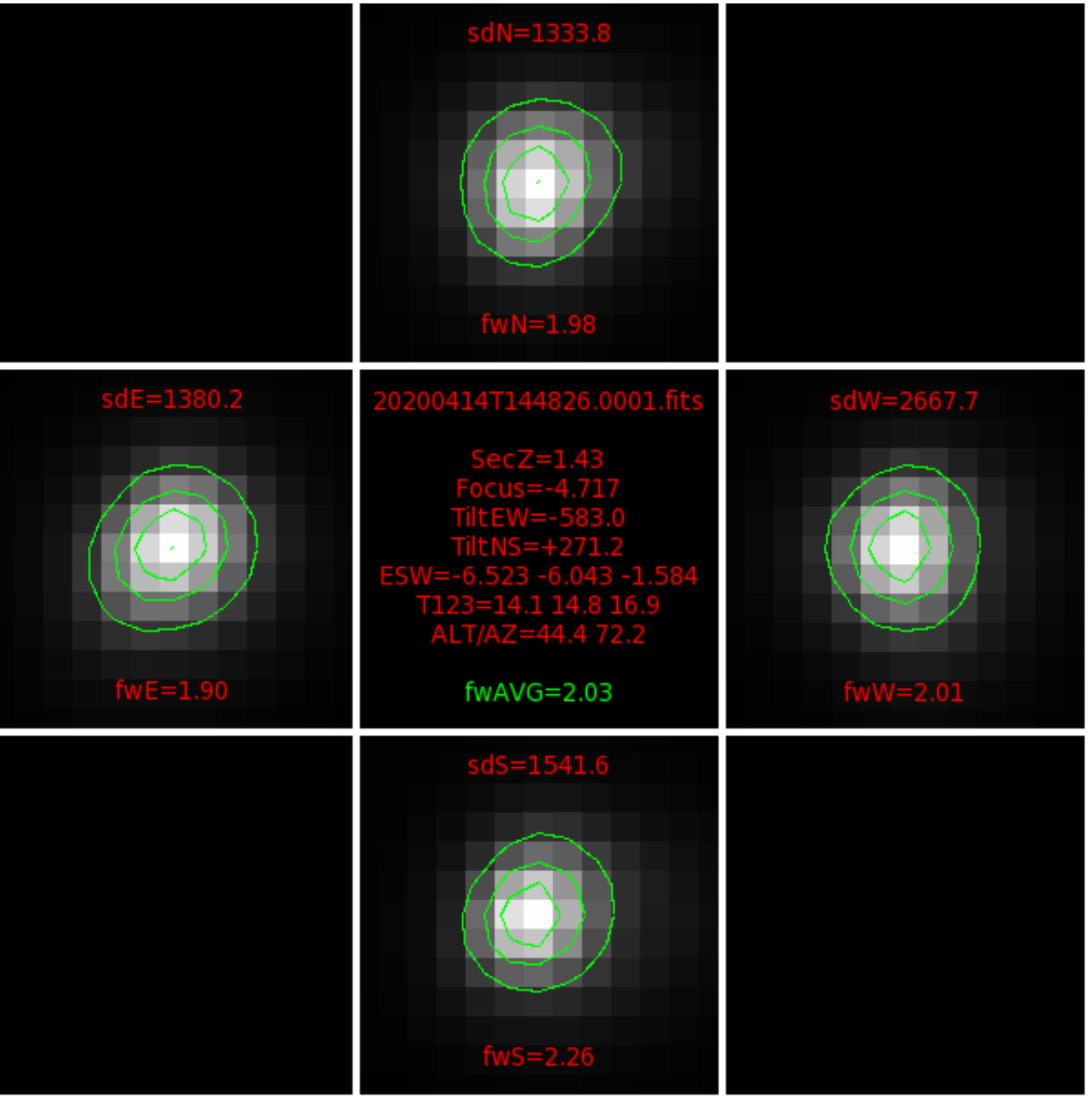
sdN=1333.8
fwN=1.98
sdE=1380.2
fwE=1.90
20200414T144826.0001.fits
SecZ=1.43
Focus=-4.717
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.523 -6.043 -1.584
T123=14.1 14.8 16.9
ALT/AZ=44.4 72.2
fwAVG=2.03
sdW=2667.7
fwW=2.01
sdS=1541.6
fwS=2.26
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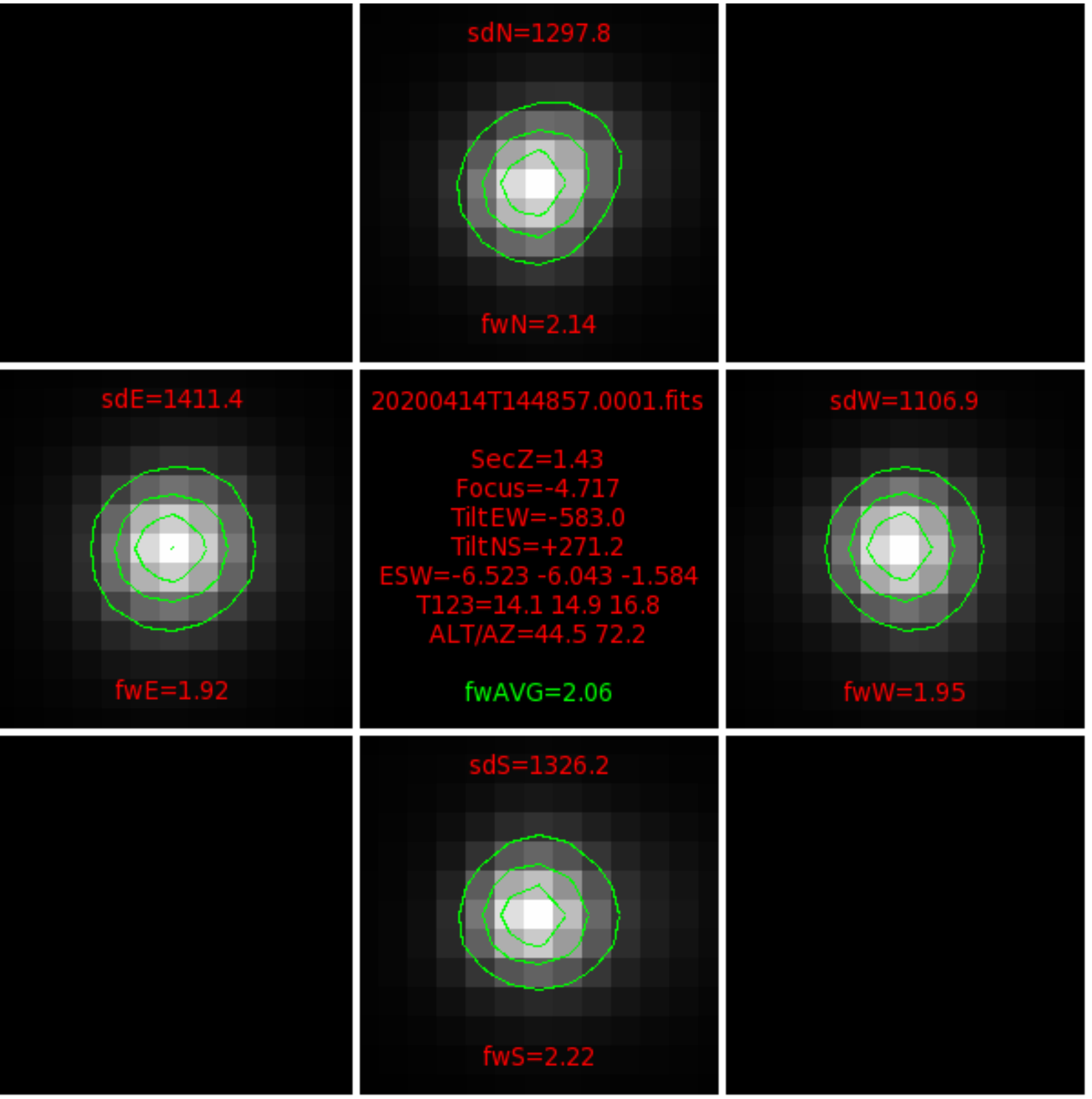
sdN=1297.8
fwN=2.14
sdE=1411.4
fwE=1.92
20200414T144857.0001.fits
SecZ=1.43
Focus=-4.717
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.523 -6.043 -1.584
T123=14.1 14.9 16.8
ALT/AZ=44.5 72.2
fwAVG=2.06
sdW=1106.9
fwW=1.95
sdS=1326.2
fwS=2.22
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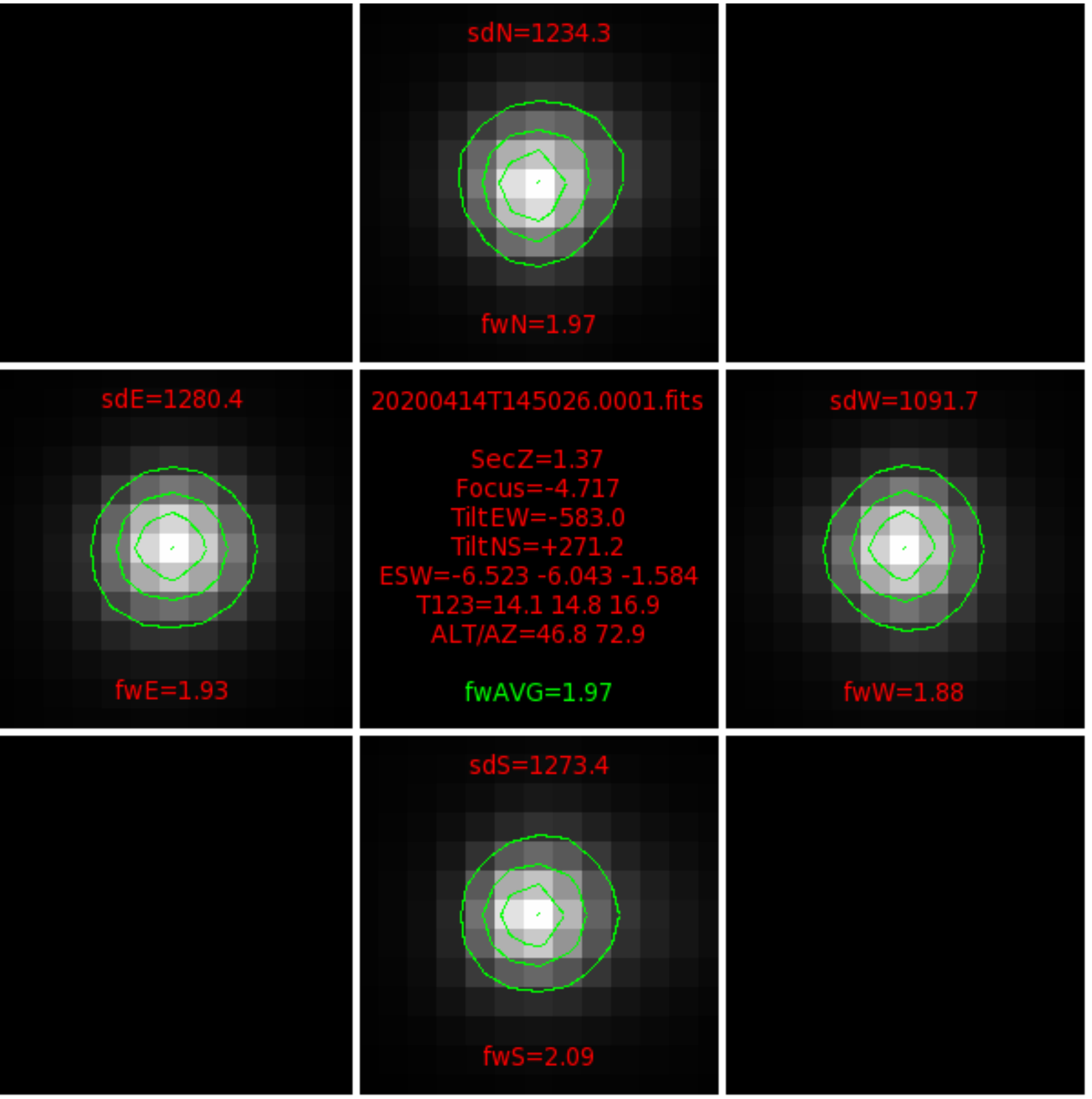
sdN=1234.3
fwN=1.97
sdE=1280.4
fwE=1.93
20200414T145026.0001.fits
SecZ=1.37
Focus=-4.717
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.523 -6.043 -1.584
T123=14.1 14.8 16.9
ALT/AZ=46.8 72.9
fwAVG=1.97
sdW=1091.7
fwW=1.88
sdS=1273.4
fwS=2.09
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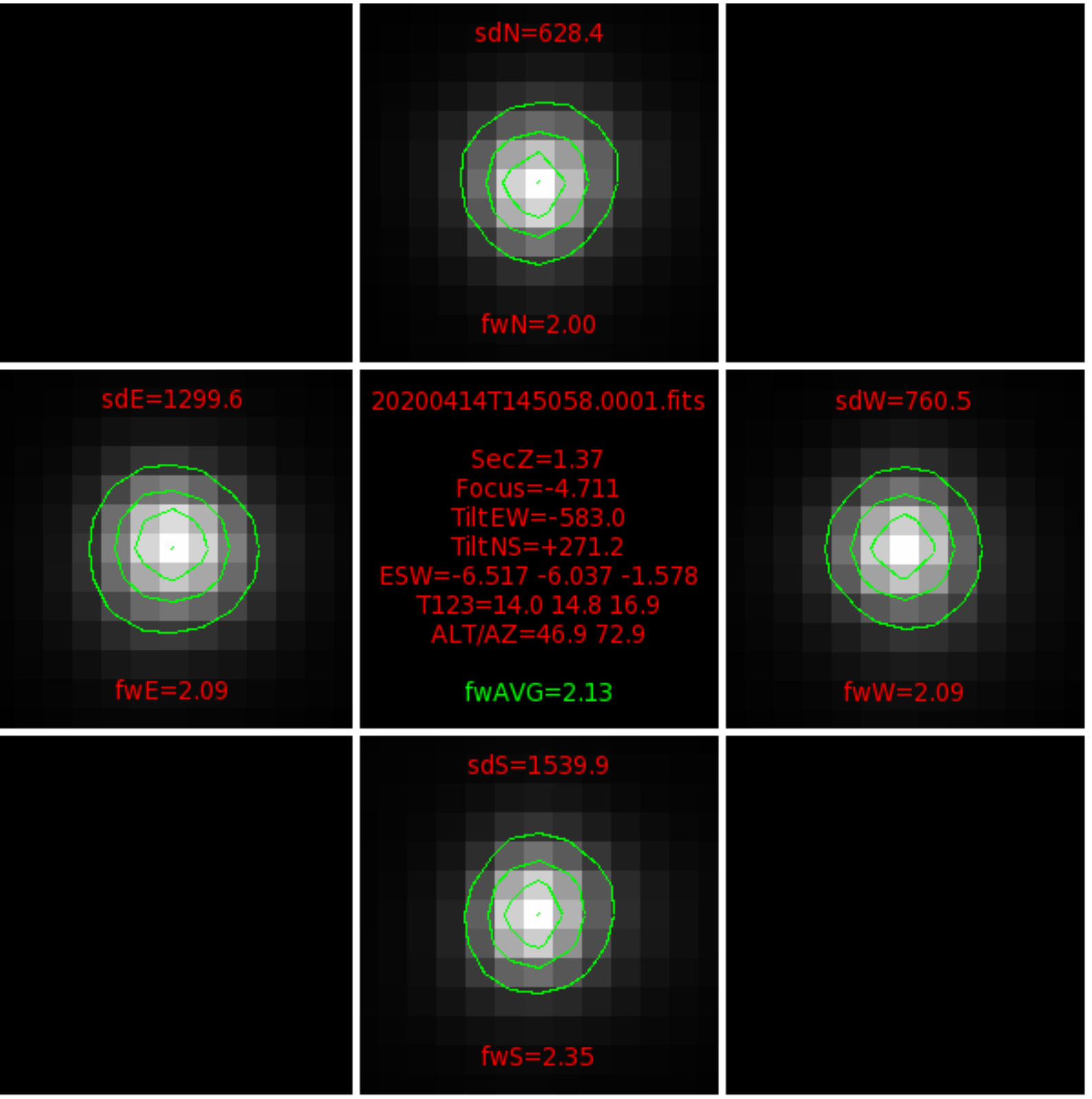
sdN=628.4
fwN=2.00
sdE=1299.6
fwE=2.09
20200414T145058.0001.fits
SecZ=1.37
Focus=-4.711
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.517 -6.037 -1.578
T123=14.0 14.8 16.9
ALT/AZ=46.9 72.9
fwAVG=2.13
sdW=760.5
fwW=2.09
sdS=1539.9
fwS=2.35
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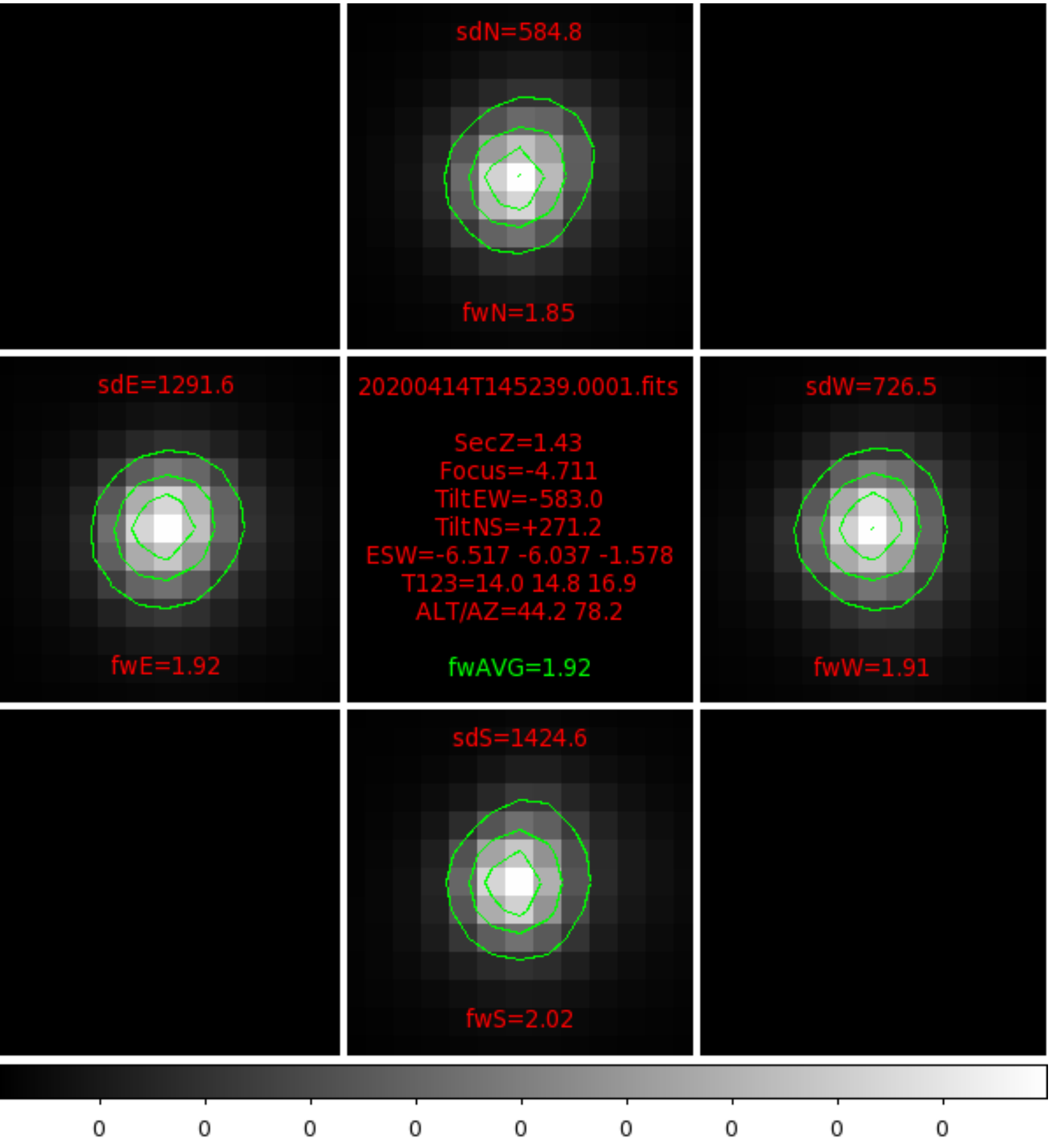
sdN=584.8
fwN=1.85
sdE=1291.6
fwE=1.92
20200414T145239.0001.fits
SecZ=1.43
Focus=-4.711
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.517 -6.037 -1.578
T123=14.0 14.8 16.9
ALT/AZ=44.2 78.2
fwAVG=1.92
sdW=726.5
fwW=1.91
sdS=1424.6
fwS=2.02
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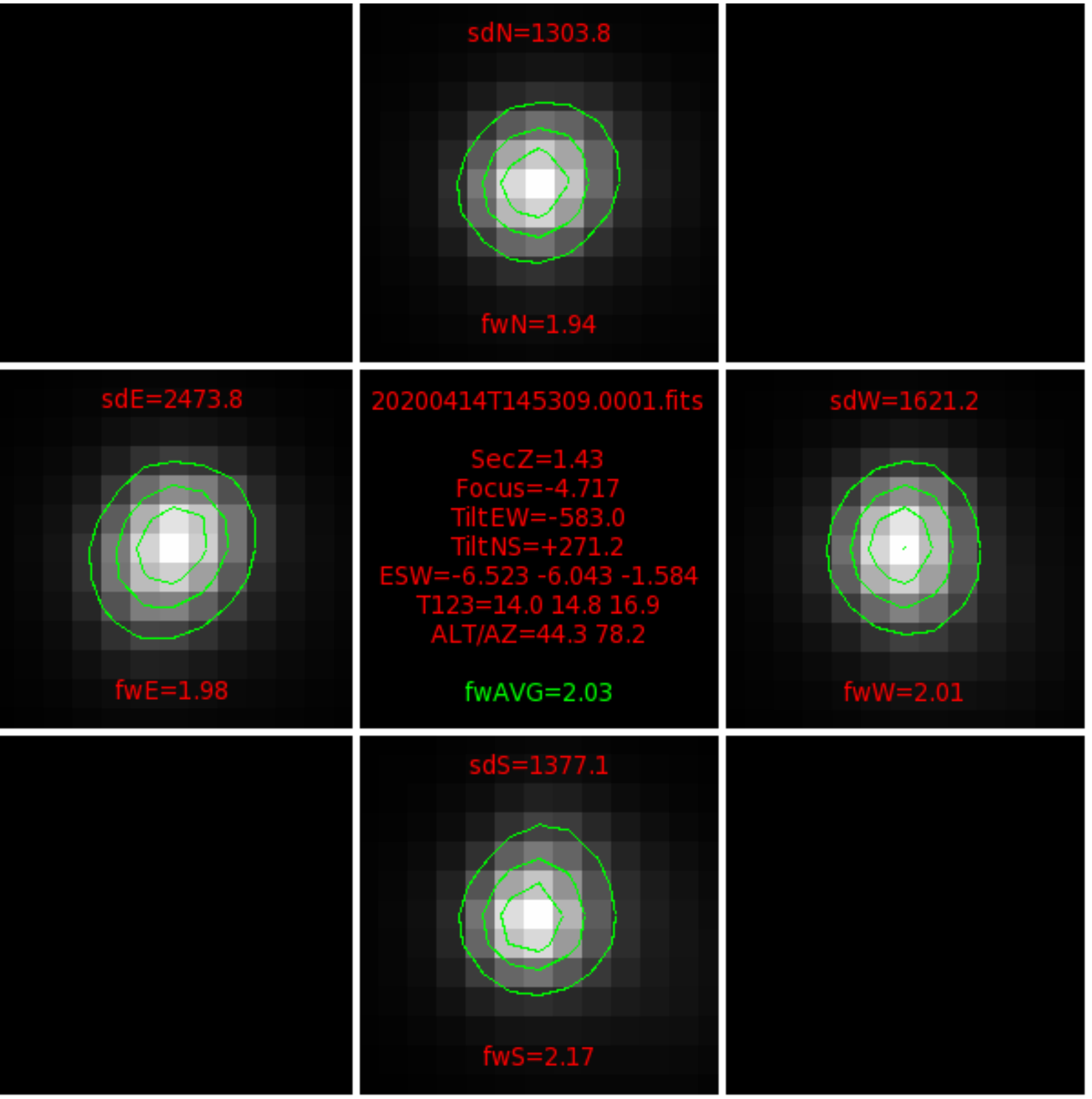
sdN=1303.8
fwN=1.94
sdE=2473.8
fwE=1.98
20200414T145309.0001.fits
SecZ=1.43
Focus=-4.717
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.523 -6.043 -1.584
T123=14.0 14.8 16.9
ALT/AZ=44.3 78.2
fwAVG=2.03
sdW=1621.2
fwW=2.01
sdS=1377.1
fwS=2.17
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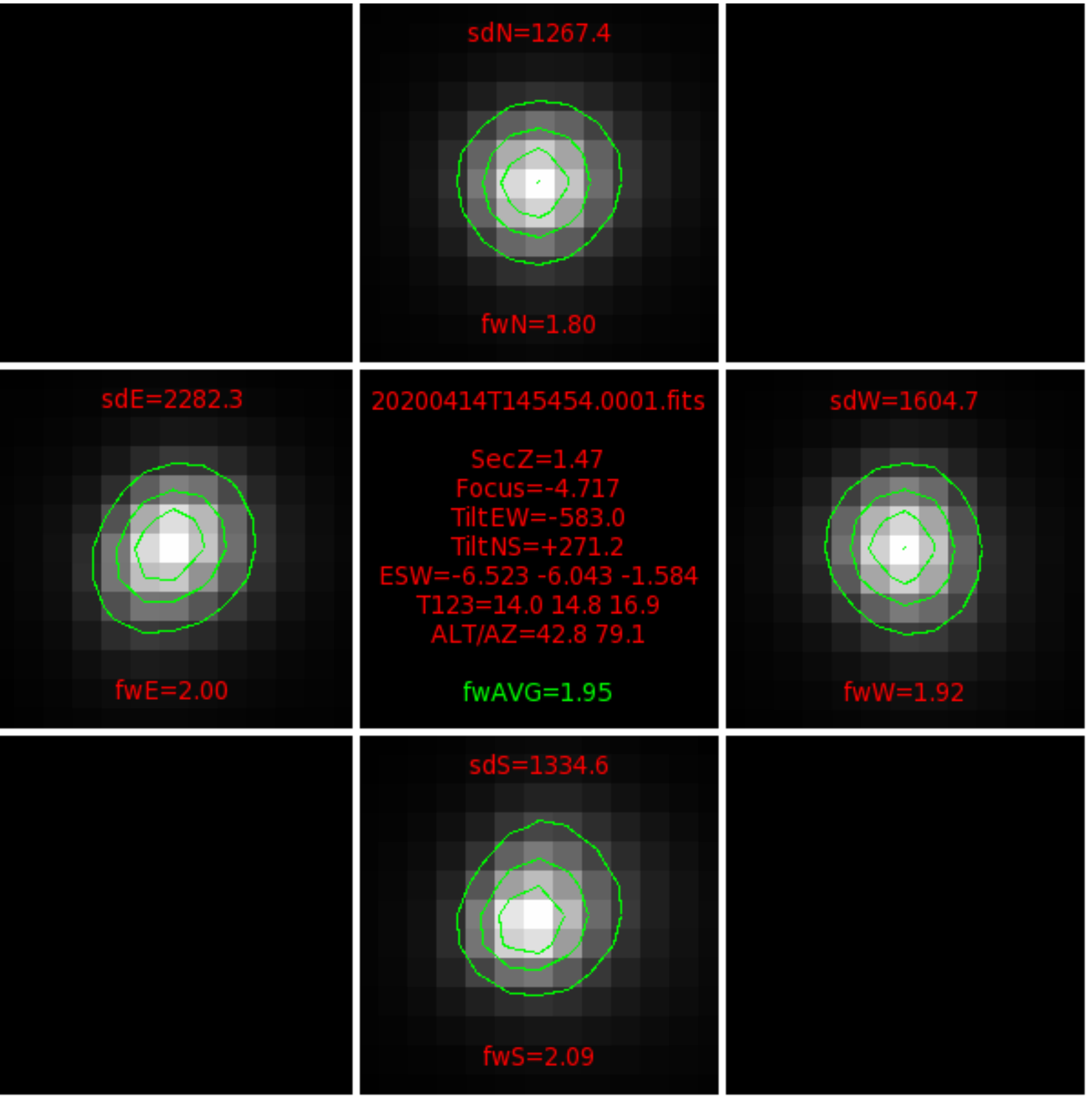
sdN=1267.4
fwN=1.80
sdE=2282.3
fwE=2.00
20200414T145454.0001.fits
SecZ=1.47
Focus=-4.717
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.523 -6.043 -1.584
T123=14.0 14.8 16.9
ALT/AZ=42.8 79.1
fwAVG=1.95
sdW=1604.7
fwW=1.92
sdS=1334.6
fwS=2.09
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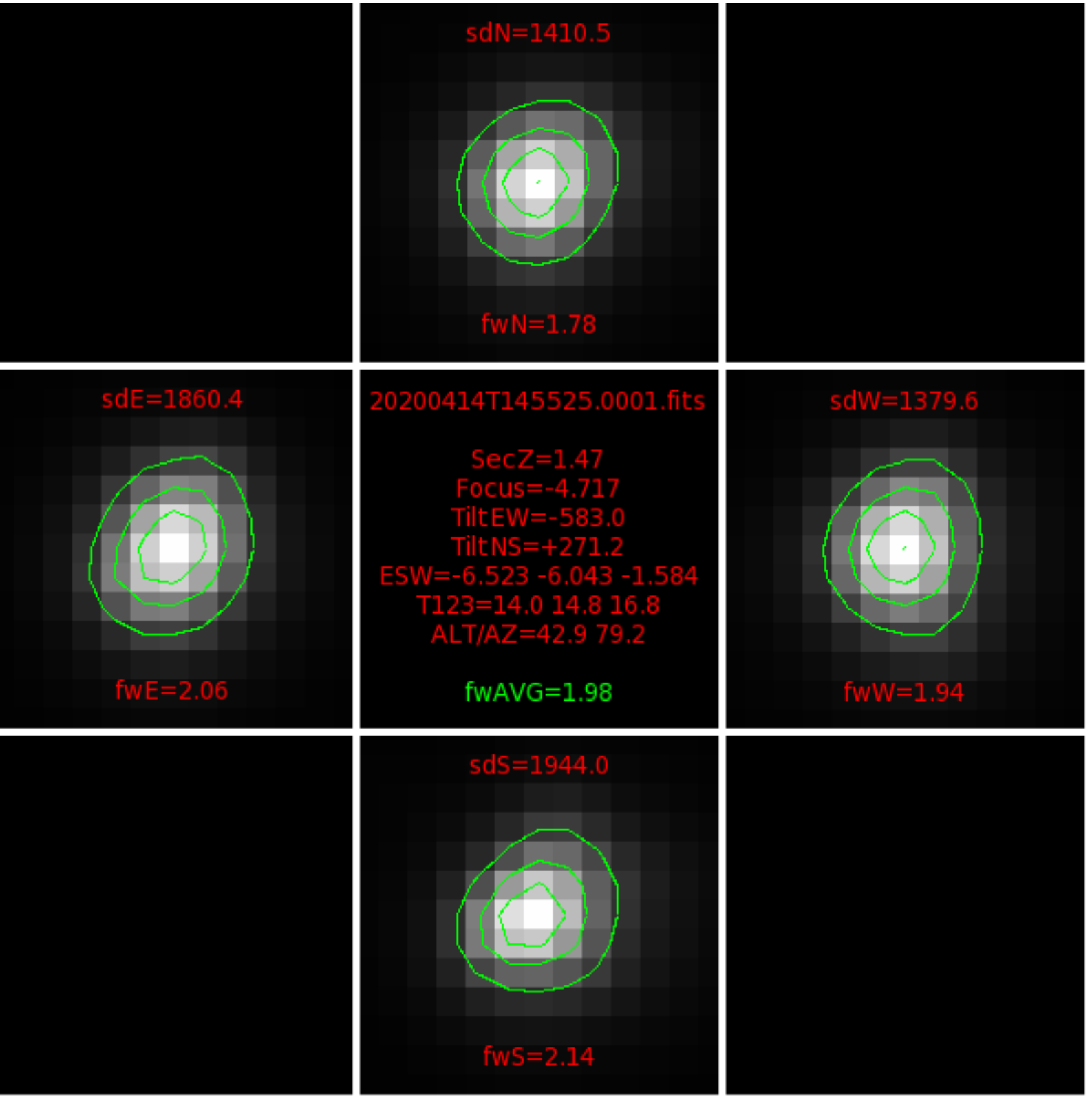
sdN=1410.5
fwN=1.78
sdE=1860.4
fwE=2.06
20200414T145525.0001.fits
SecZ=1.47
Focus=-4.717
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.523 -6.043 -1.584
T123=14.0 14.8 16.8
ALT/AZ=42.9 79.2
fwAVG=1.98
sdW=1379.6
fwW=1.94
sdS=1944.0
fwS=2.14
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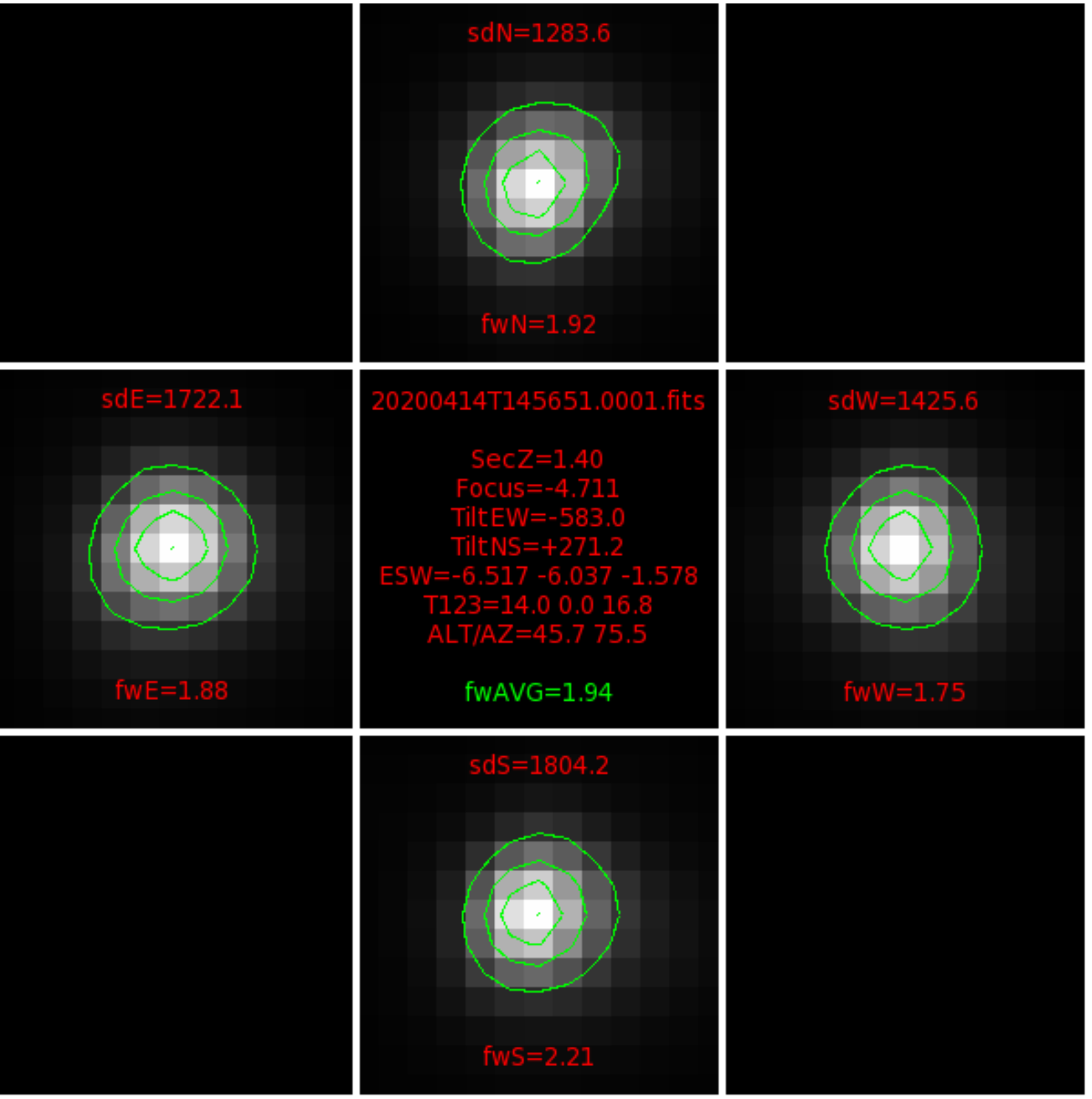
sdN=1283.6
fwN=1.92
sdE=1722.1
fwE=1.88
20200414T145651.0001.fits
SecZ=1.40
Focus=-4.711
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.517 -6.037 -1.578
T123=14.0 0.0 16.8
ALT/AZ=45.7 75.5
fwAVG=1.94
sdW=1425.6
fwW=1.75
sdS=1804.2
fwS=2.21
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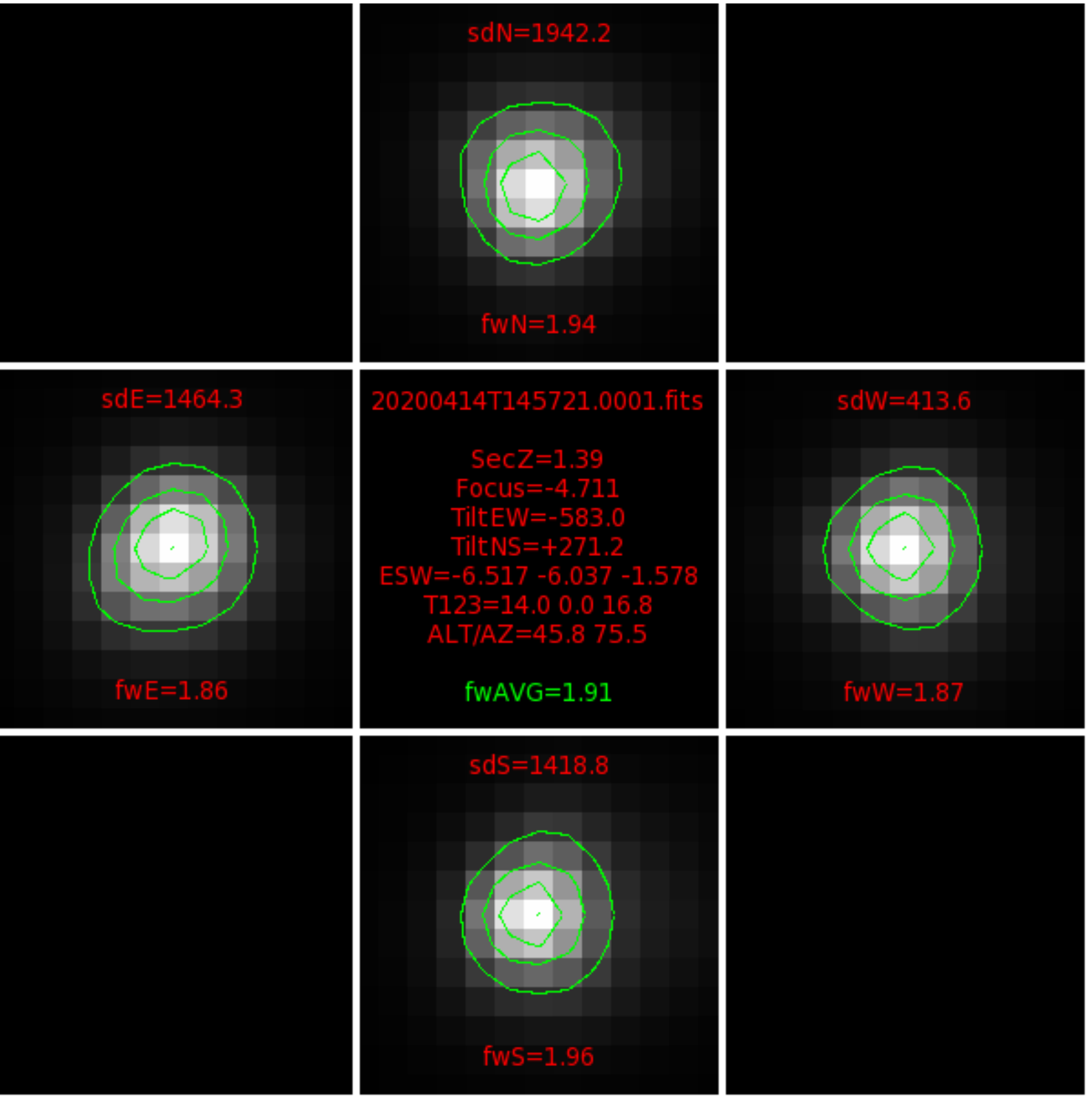
sdN=1942.2
fwN=1.94
sdE=1464.3
fwE=1.86
20200414T145721.0001.fits
SecZ=1.39
Focus=-4.711
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.517 -6.037 -1.578
T123=14.0 0.0 16.8
ALT/AZ=45.8 75.5
fwAVG=1.91
sdW=413.6
fwW=1.87
sdS=1418.8
fwS=1.96
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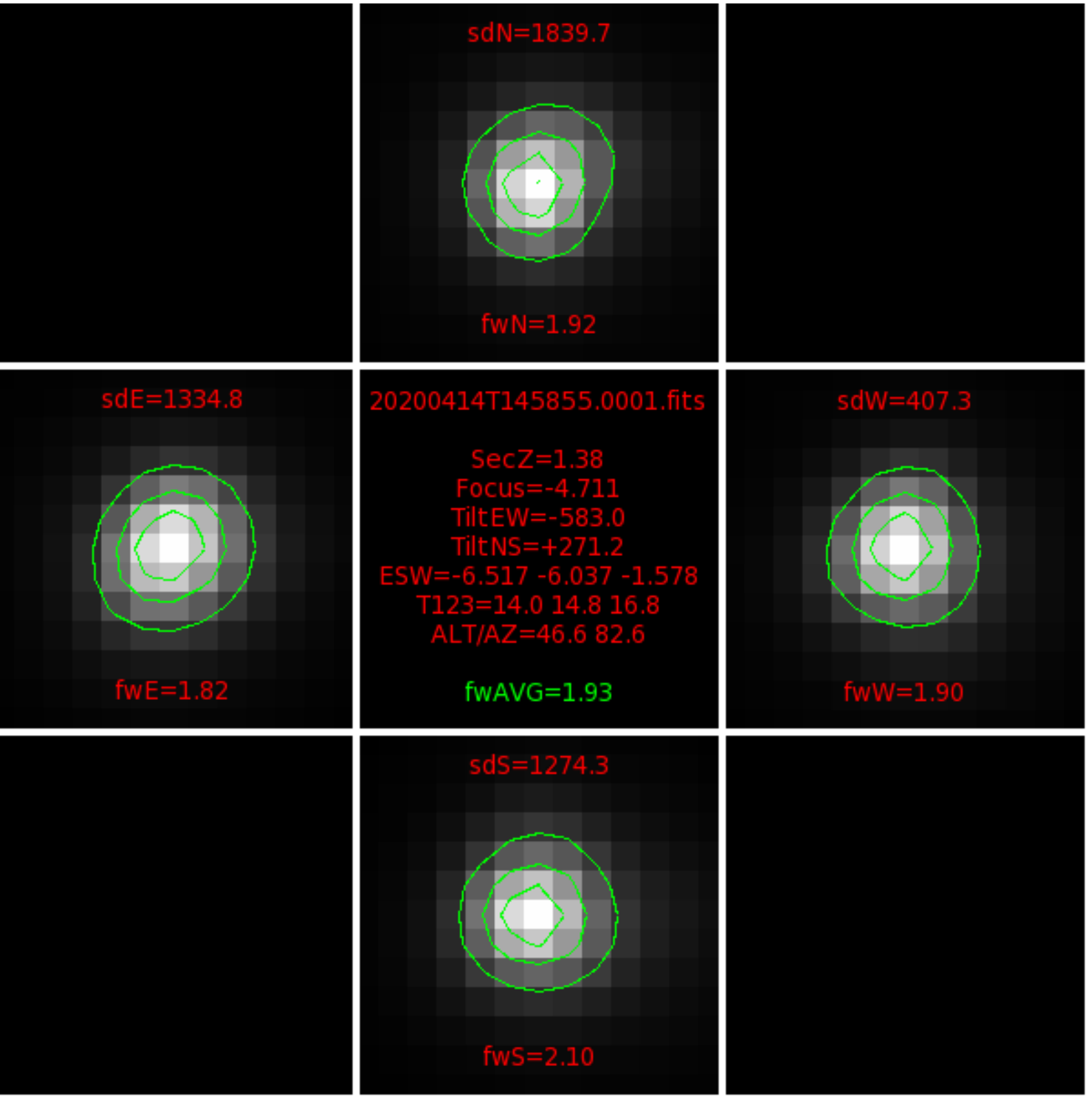
sdN=1839.7
fwN=1.92
sdE=1334.8
fwE=1.82
20200414T145855.0001.fits
SecZ=1.38
Focus=-4.711
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.517 -6.037 -1.578
T123=14.0 14.8 16.8
ALT/AZ=46.6 82.6
fwAVG=1.93
sdW=407.3
fwW=1.90
sdS=1274.3
fwS=2.10
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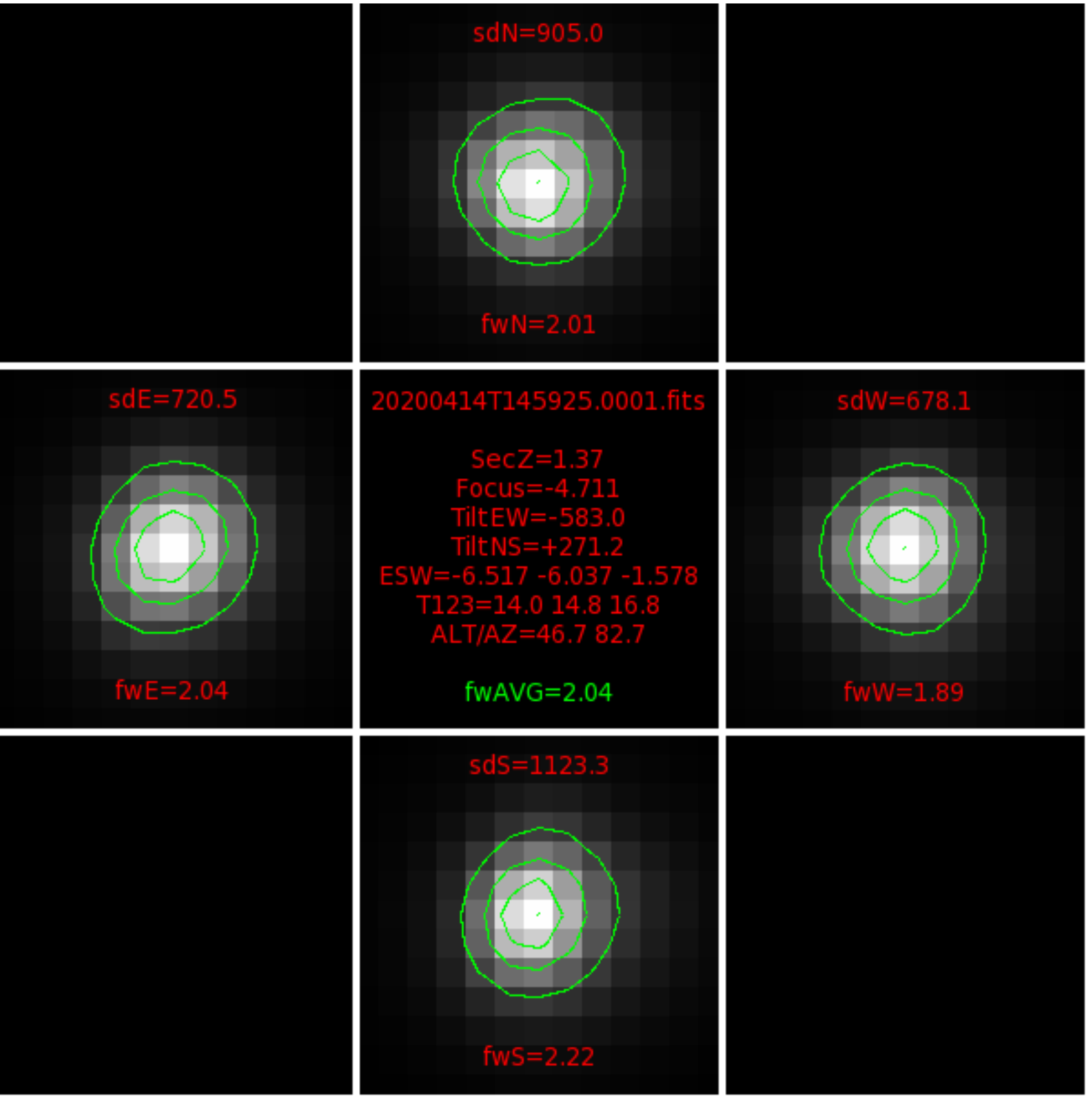
sdN=905.0
fwN=2.01
sdE=720.5
fwE=2.04
20200414T145925.0001.fits
SecZ=1.37
Focus=-4.711
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.517 -6.037 -1.578
T123=14.0 14.8 16.8
ALT/AZ=46.7 82.7
fwAVG=2.04
sdW=678.1
fwW=1.89
sdS=1123.3
fwS=2.22
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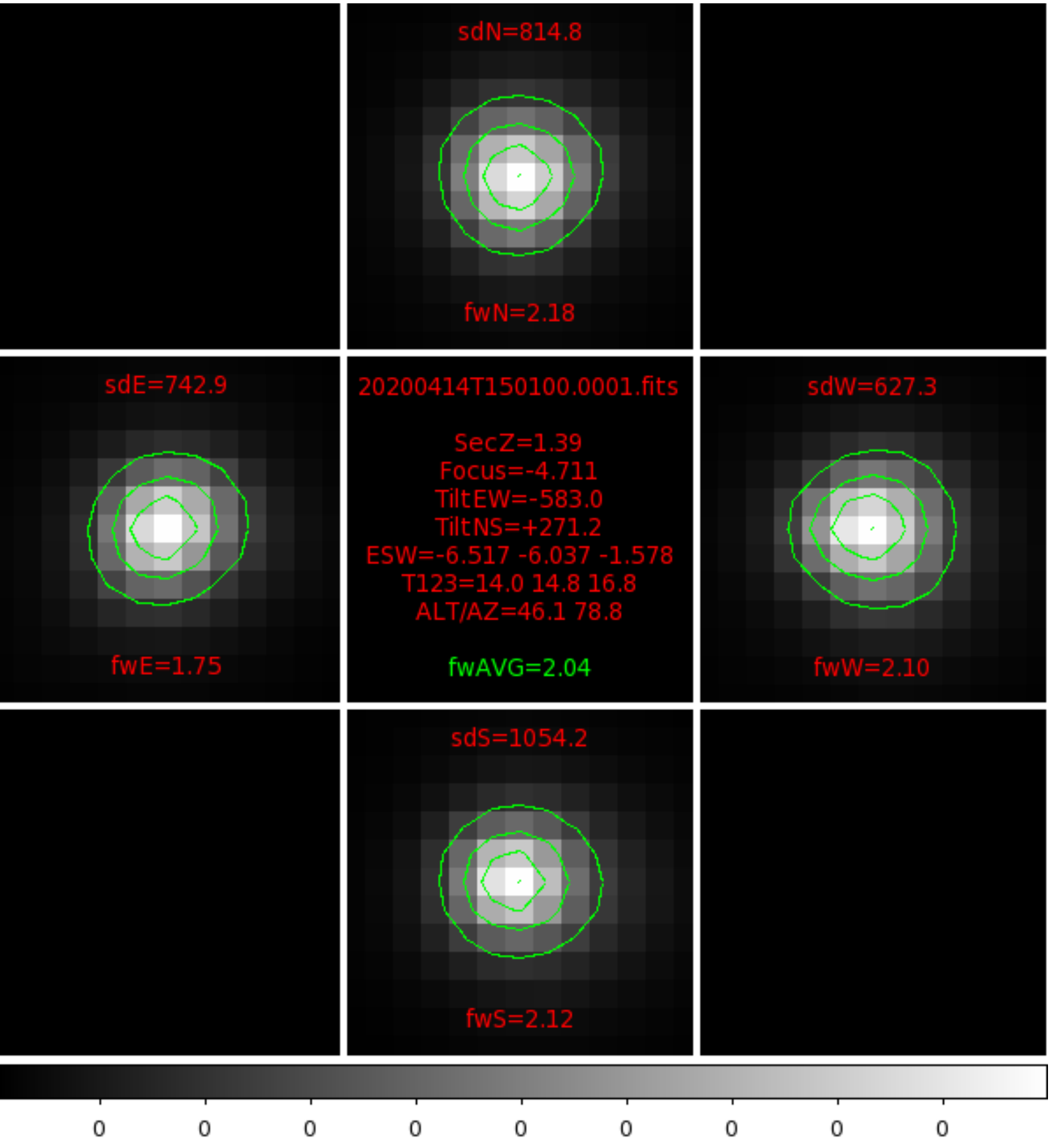
sdN=814.8
fwN=2.18
sdE=742.9
fwE=1.75
20200414T150100.0001.fits
SecZ=1.39
Focus=-4.711
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.517 -6.037 -1.578
T123=14.0 14.8 16.8
ALT/AZ=46.1 78.8
fwAVG=2.04
sdW=627.3
fwW=2.10
sdS=1054.2
fwS=2.12
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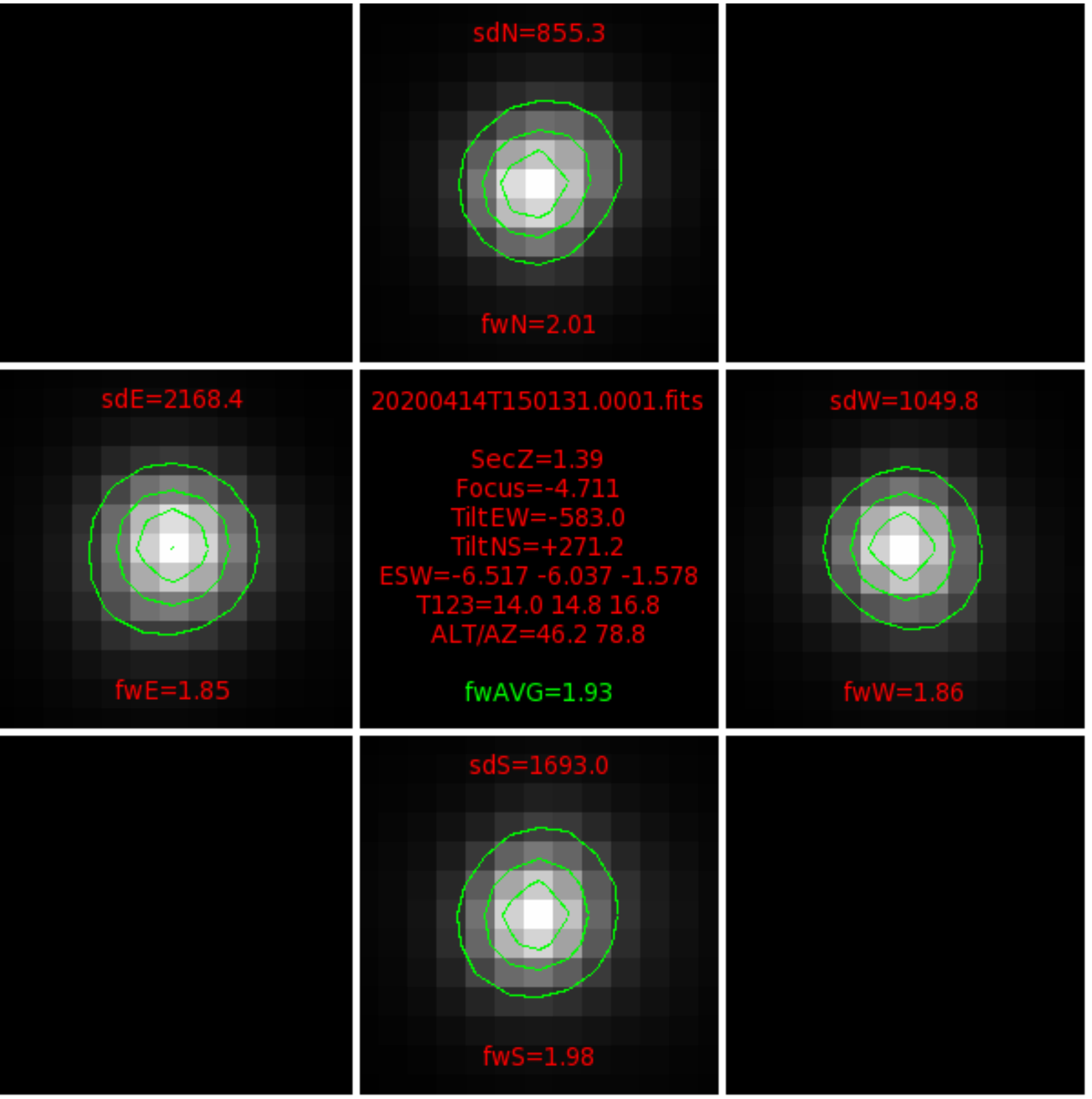
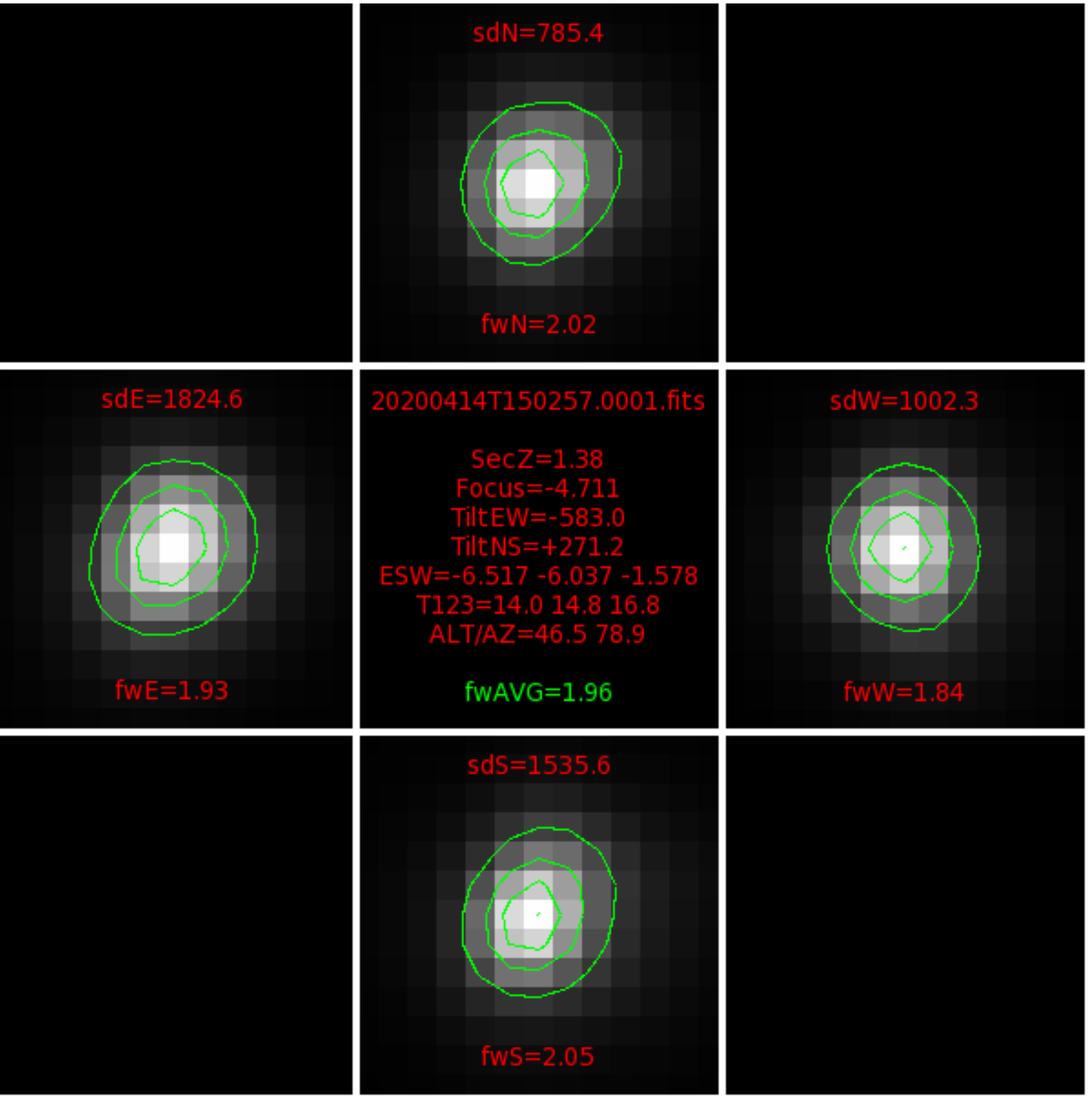

sdN=855.3
fwN=2.01
sdE=2168.4
fwE=1.85
20200414T150131.0001.fits
SecZ=1.39
Focus=-4.711
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.517 -6.037 -1.578
T123=14.0 14.8 16.8
ALT/AZ=46.2 78.8
fwAVG=1.93
sdW=1049.8
fwW=1.86
sdS=1693.0
fwS=1.98
0 0 0 0 0 0 0 0 0


sdN=785.4
fwN=2.02
sdE=1824.6
fwE=1.93
20200414T150257.0001.fits
SecZ=1.38
Focus=-4.711
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.517 -6.037 -1.578
T123=14.0 14.8 16.8
ALT/AZ=46.5 78.9
fwAVG=1.96
sdW=1002.3
fwW=1.84
sdS=1535.6
fwS=2.05
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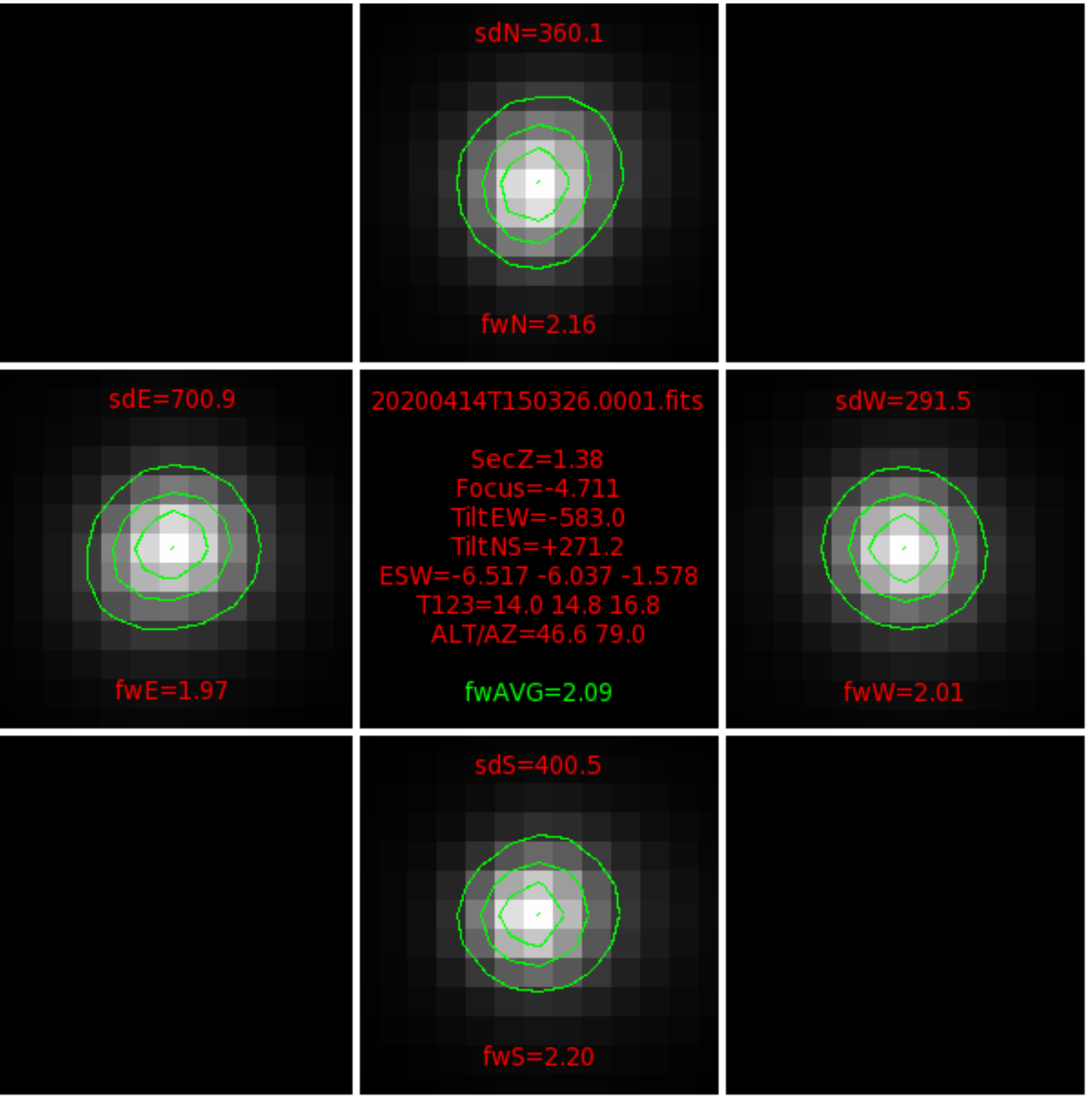
sdN=360.1
fwN=2.16
sdE=700.9
fwE=1.97
20200414T150326.0001.fits
SecZ=1.38
Focus=-4.711
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.517 -6.037 -1.578
T123=14.0 14.8 16.8
ALT/AZ=46.6 79.0
fwAVG=2.09
sdW=291.5
fwW=2.01
sdS=400.5
fwS=2.20
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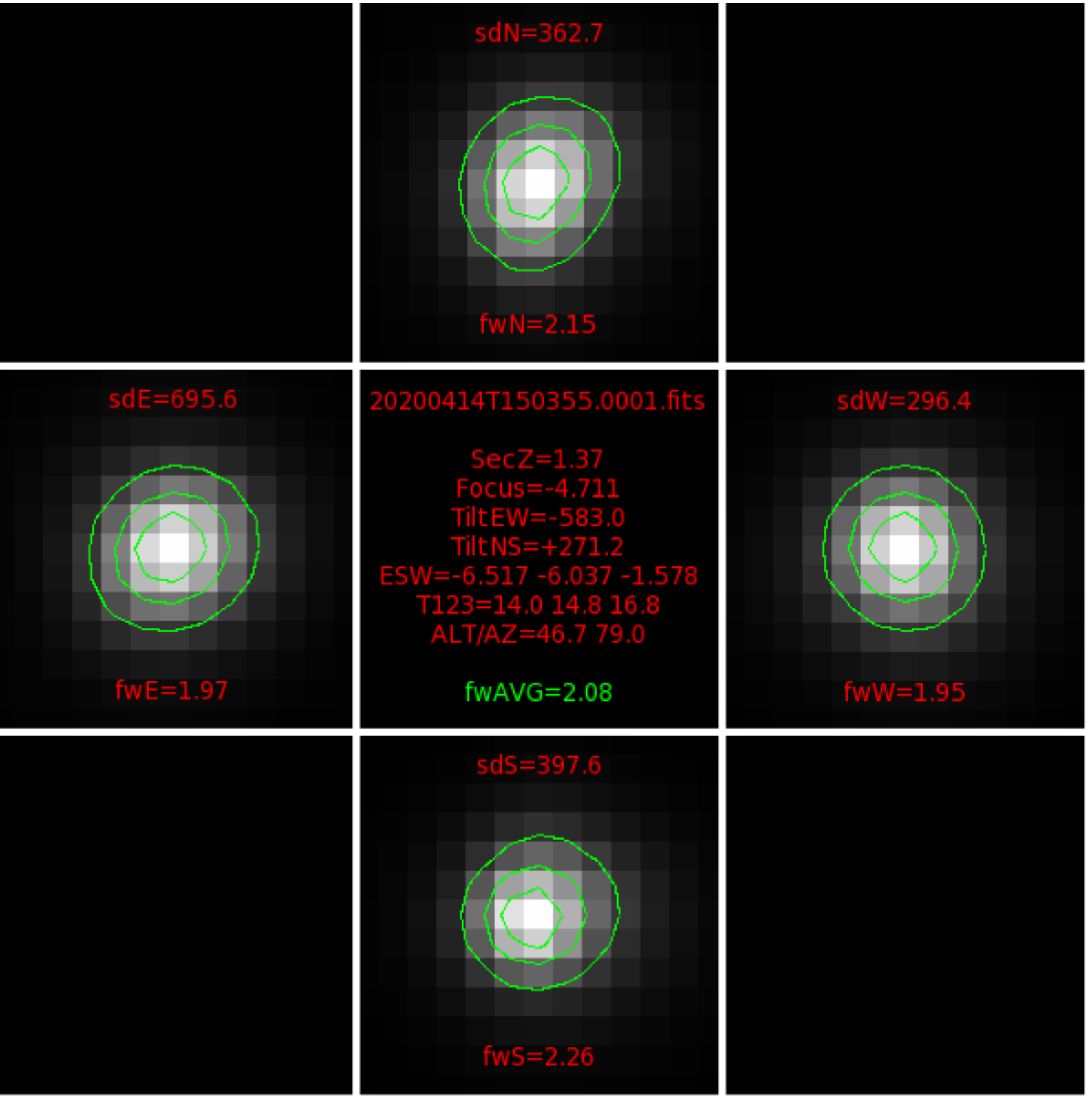
sdN=362.7
fwN=2.15
sdE=695.6
fwE=1.97
20200414T150355.0001.fits
SecZ=1.37
Focus=-4.711
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.517 -6.037 -1.578
T123=14.0 14.8 16.8
ALT/AZ=46.7 79.0
fwAVG=2.08
sdW=296.4
fwW=1.95
sdS=397.6
fwS=2.26
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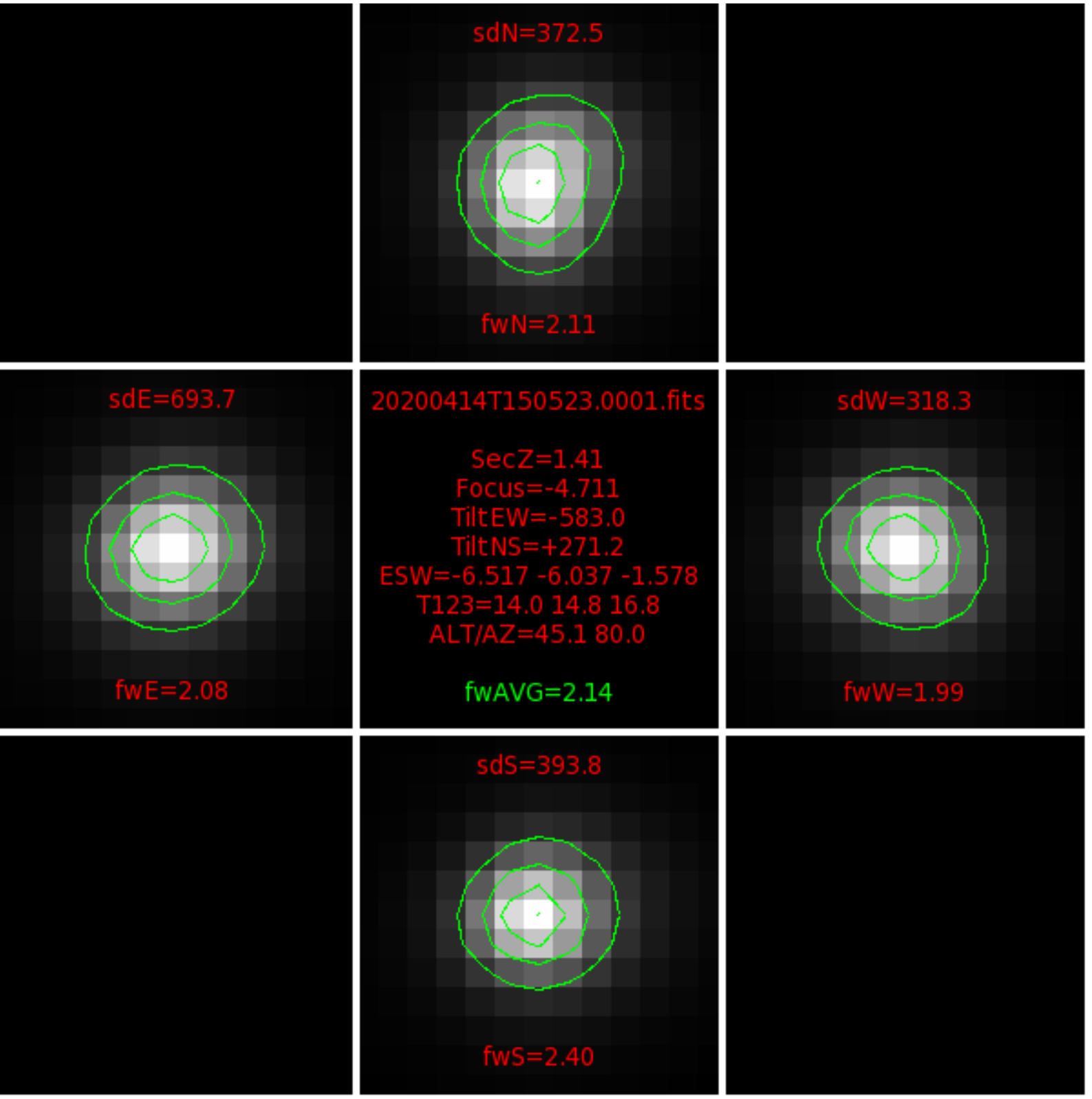
sdN=372.5
fwN=2.11
sdE=693.7
fwE=2.08
20200414T150523.0001.fits
SecZ=1.41
Focus=-4.711
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.517 -6.037 -1.578
T123=14.0 14.8 16.8
ALT/AZ=45.1 80.0
fwAVG=2.14
sdW=318.3
fwW=1.99
sdS=393.8
fwS=2.40
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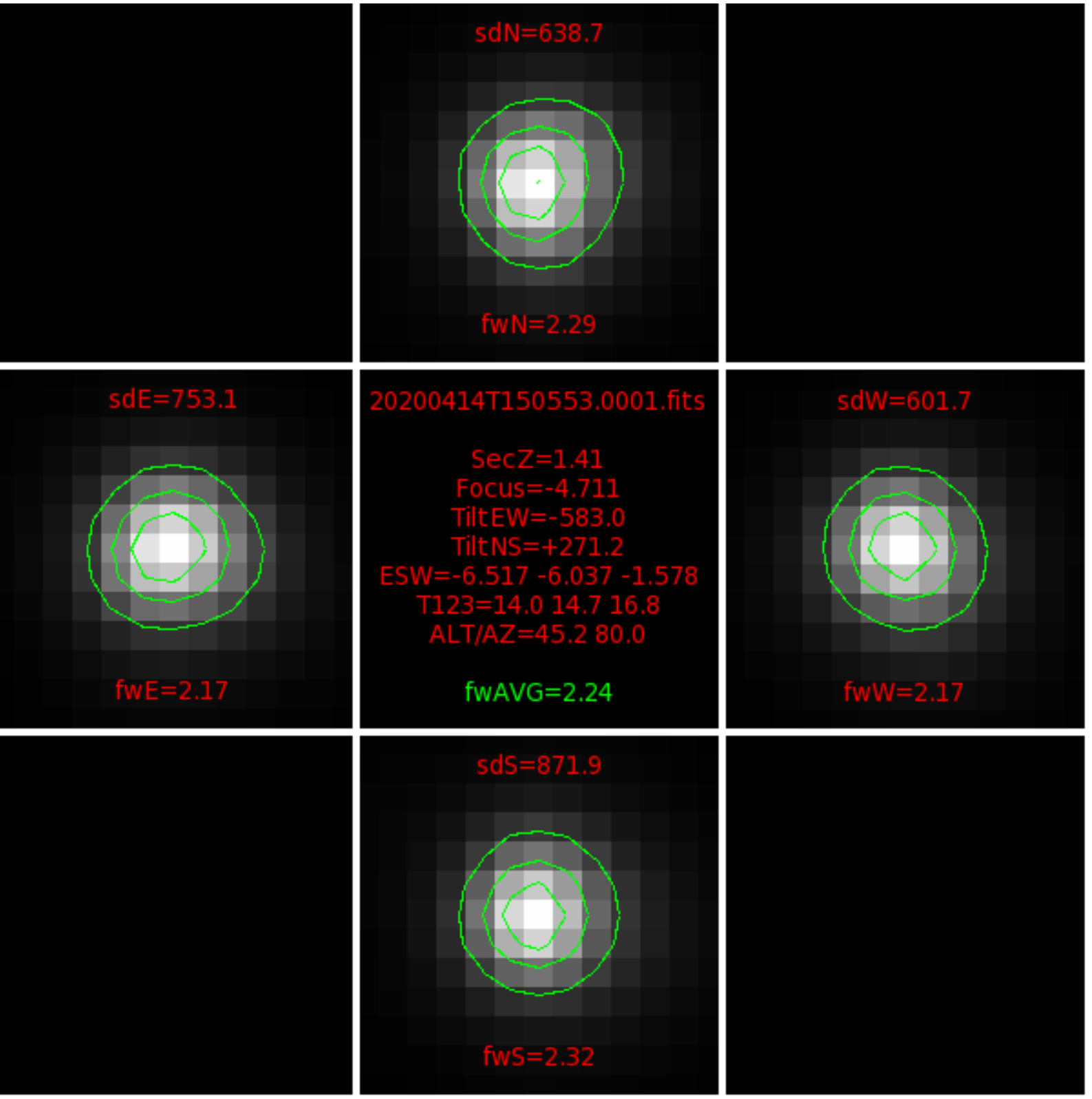
sdN=638.7
fwN=2.29
sdE=753.1
fwE=2.17
20200414T150553.0001.fits
SecZ=1.41
Focus=-4.711
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.517 -6.037 -1.578
T123=14.0 14.7 16.8
ALT/AZ=45.2 80.0
fwAVG=2.24
sdW=601.7
fwW=2.17
sdS=871.9
fwS=2.32
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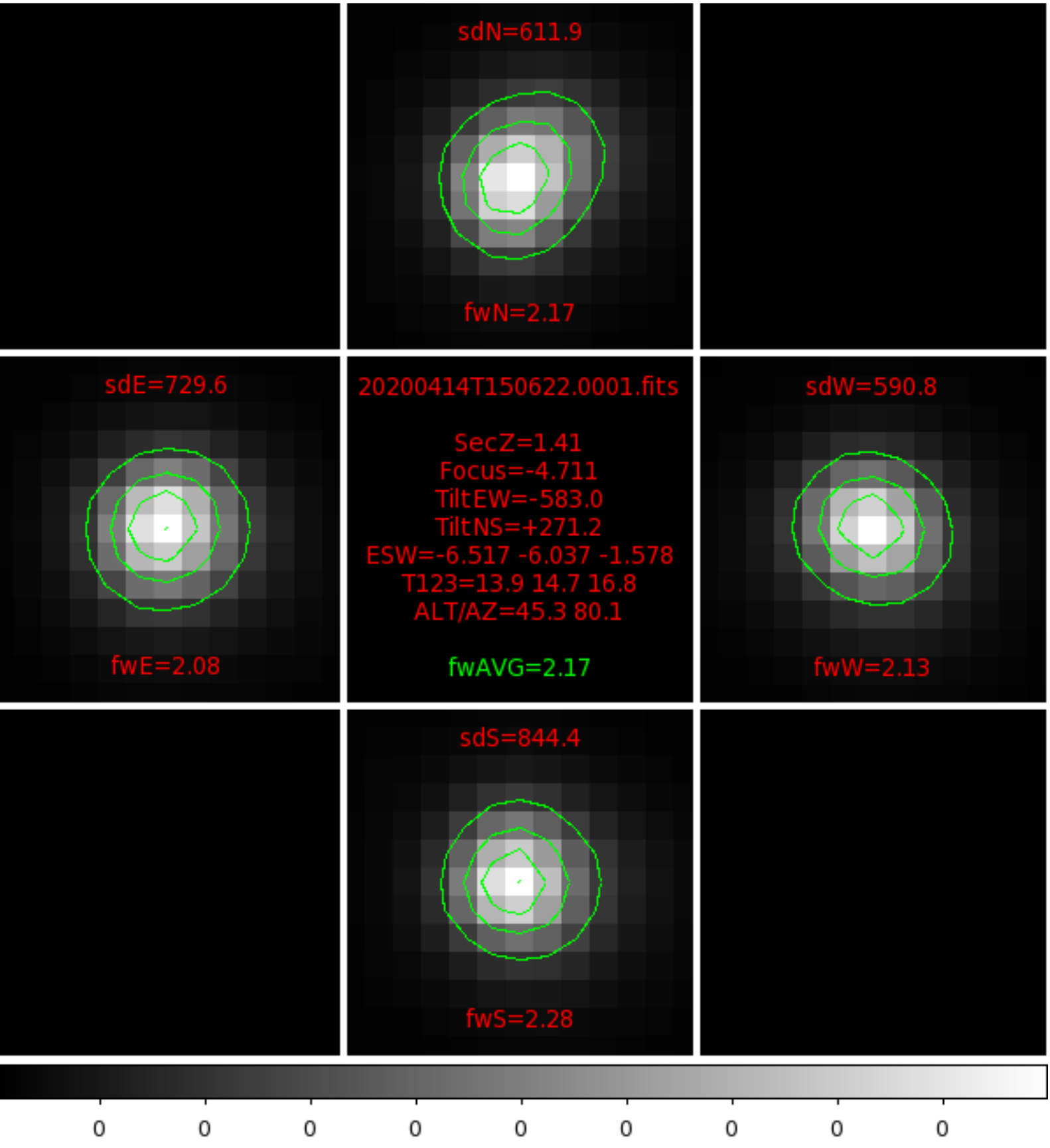
sdN=611.9
fwN=2.17
sdE=729.6
fwE=2.08
20200414T150622.0001.fits
SecZ=1.41
Focus=-4.711
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.517 -6.037 -1.578
T123=13.9 14.7 16.8
ALT/AZ=45.3 80.1
fwAVG=2.17
sdW=590.8
fwW=2.13
sdS=844.4
fwS=2.28
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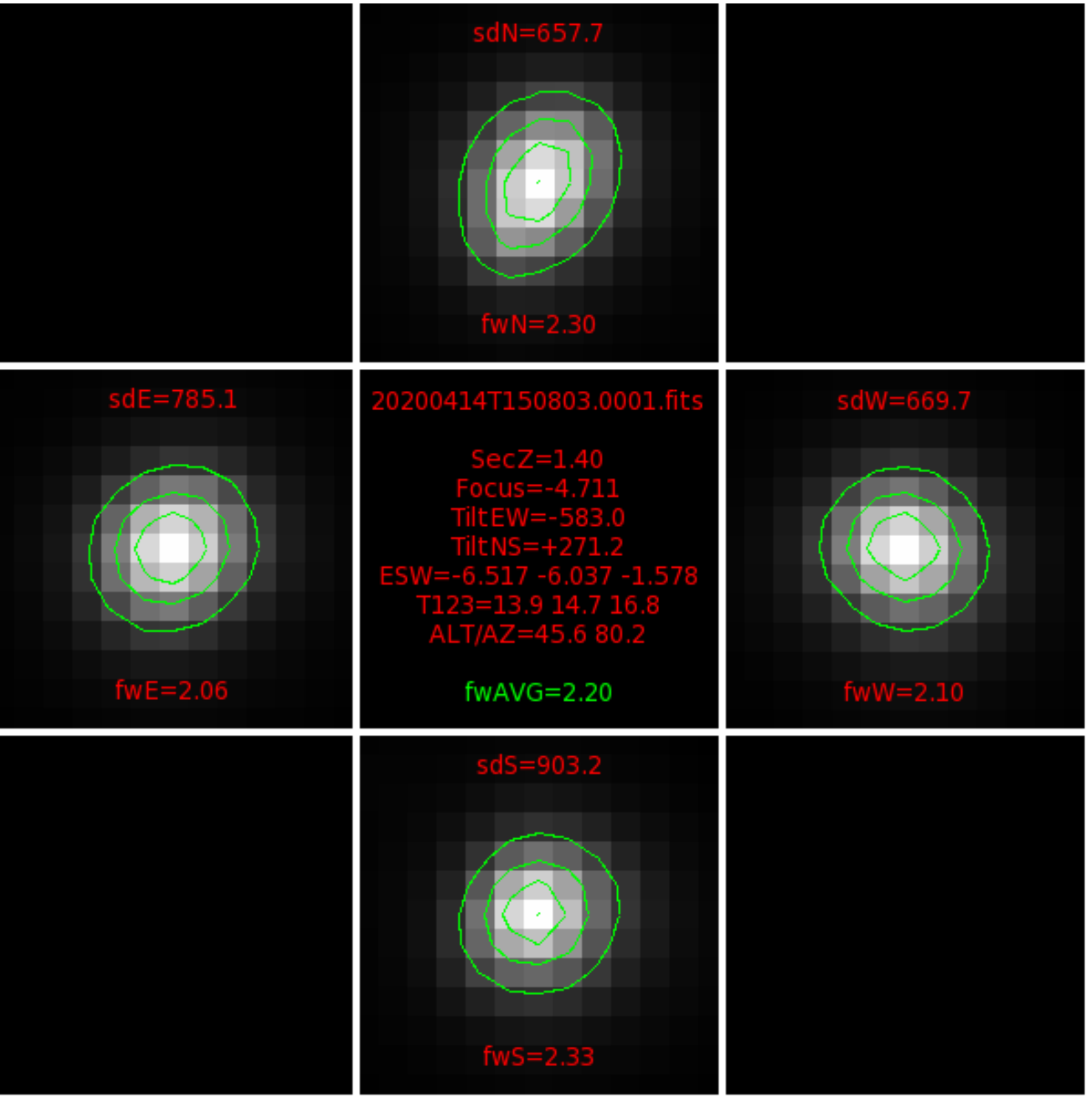
sdN=657.7
fwN=2.30
sdE=785.1
fwE=2.06
20200414T150803.0001.fits
SecZ=1.40
Focus=-4.711
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.517 -6.037 -1.578
T123=13.9 14.7 16.8
ALT/AZ=45.6 80.2
fwAVG=2.20
sdW=669.7
fwW=2.10
sdS=903.2
fwS=2.33
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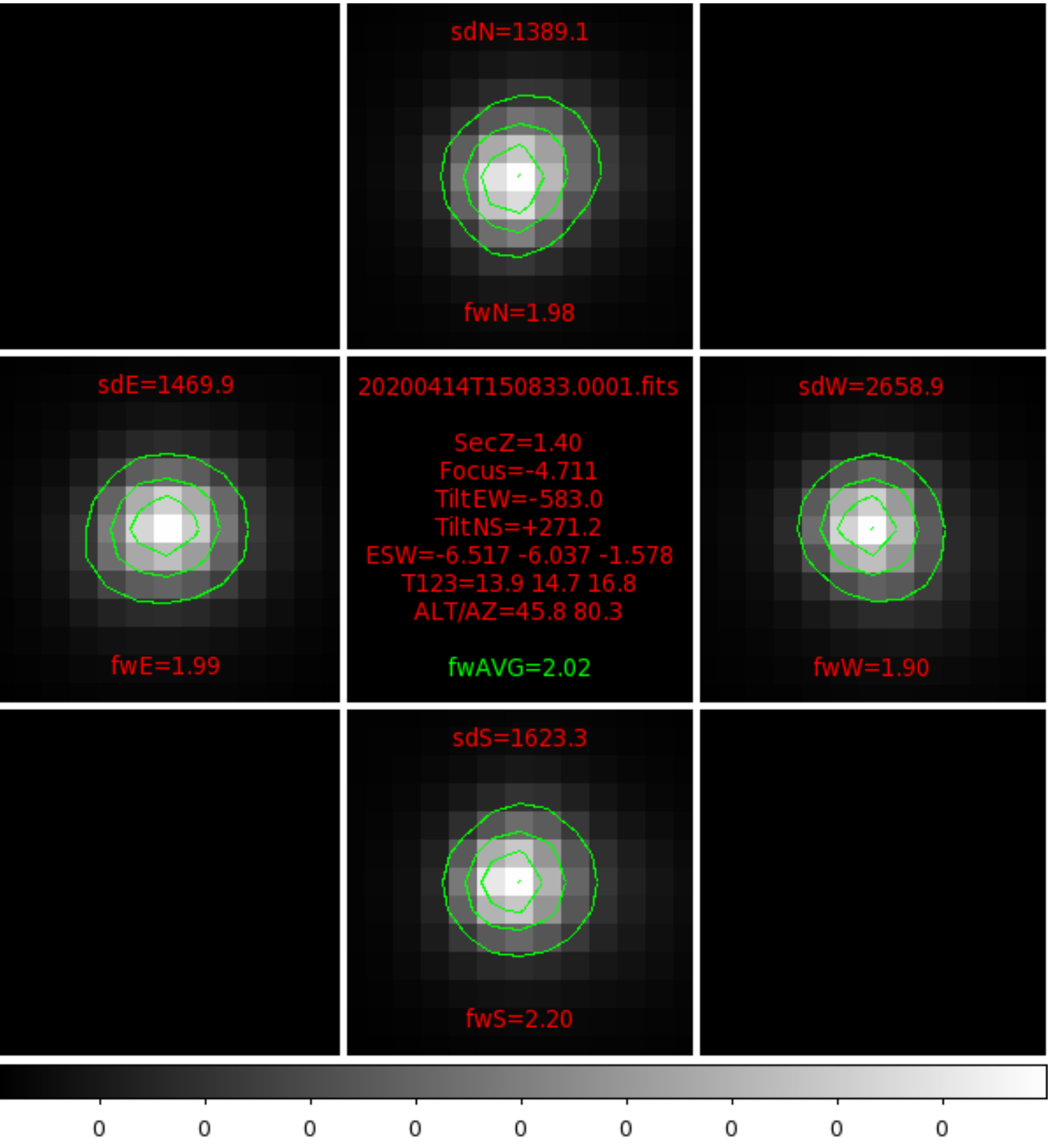
sdN=1389.1
fwN=1.98
sdE=1469.9
fwE=1.99
20200414T150833.0001.fits
SecZ=1.40
Focus=-4.711
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.517 -6.037 -1.578
T123=13.9 14.7 16.8
ALT/AZ=45.8 80.3
fwAVG=2.02
sdW=2658.9
fwW=1.90
sdS=1623.3
fwS=2.20
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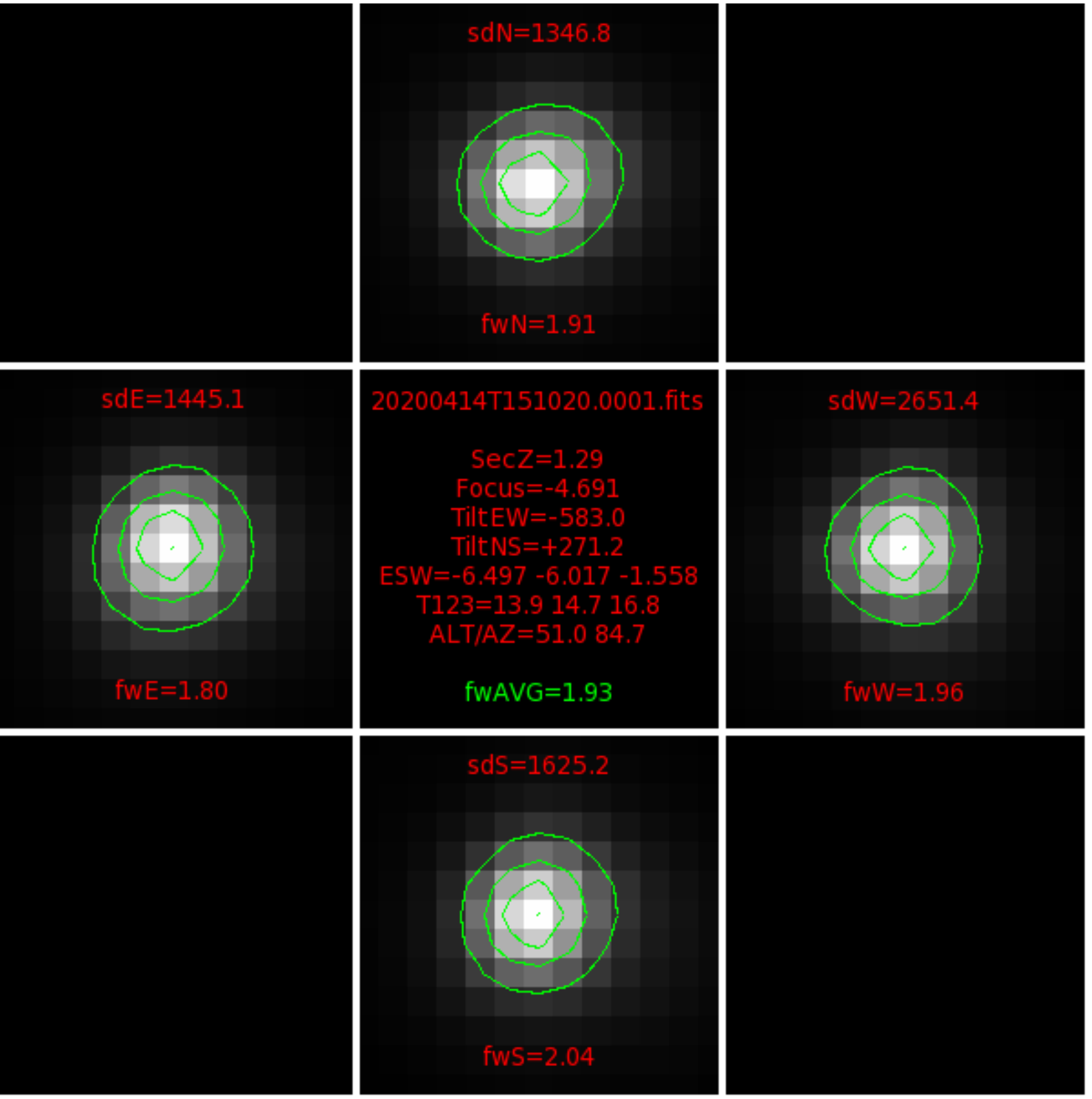
sdN=1346.8
fwN=1.91
sdE=1445.1
fwE=1.80
20200414T151020.0001.fits
SecZ=1.29
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.9 14.7 16.8
ALT/AZ=51.0 84.7
fwAVG=1.93
sdW=2651.4
fwW=1.96
sdS=1625.2
fwS=2.04
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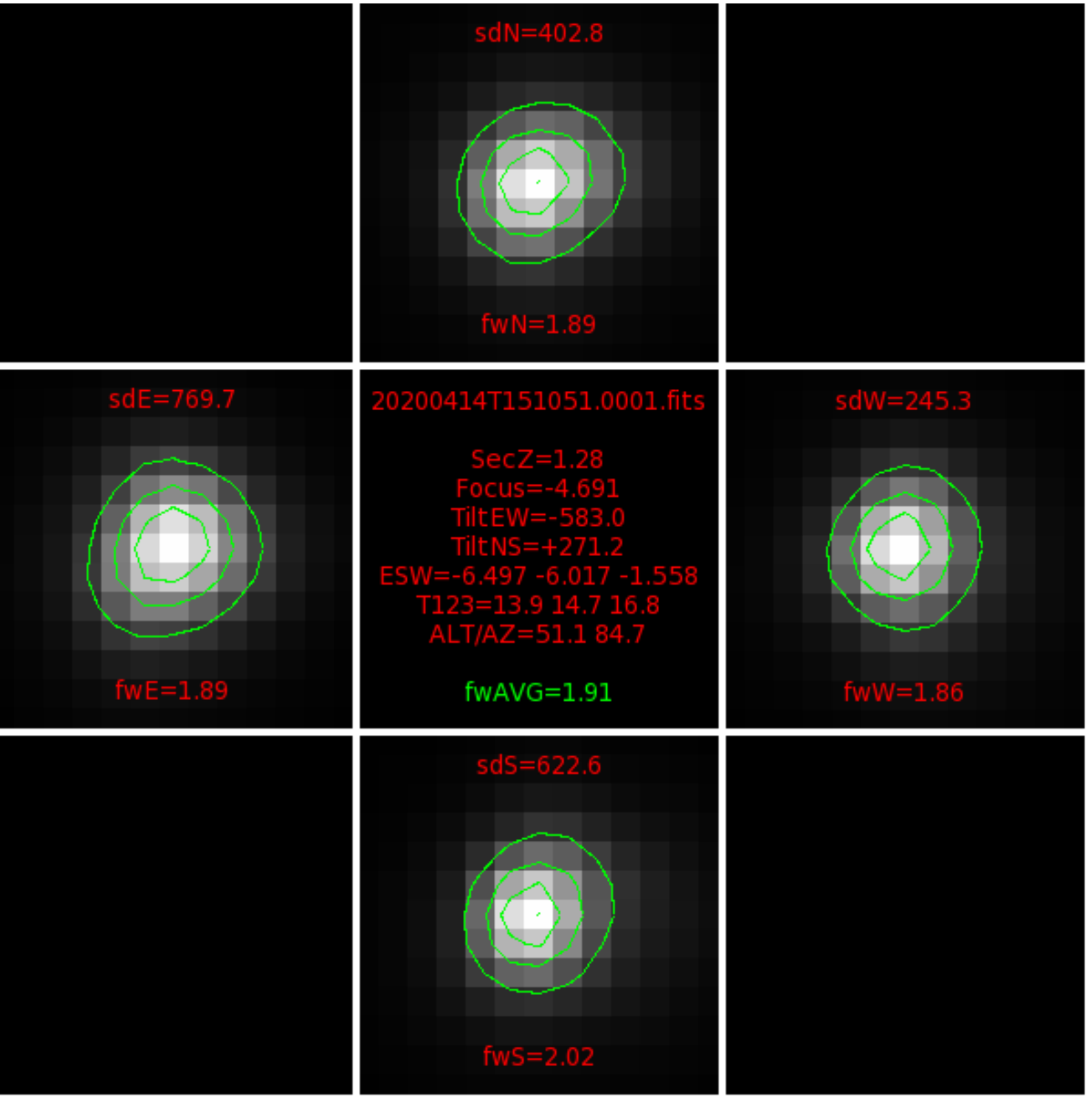
sdN=402.8
fwN=1.89
sdE=769.7
fwE=1.89
20200414T151051.0001.fits
SecZ=1.28
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.9 14.7 16.8
ALT/AZ=51.1 84.7
fwAVG=1.91
sdW=245.3
fwW=1.86
sdS=622.6
fwS=2.02
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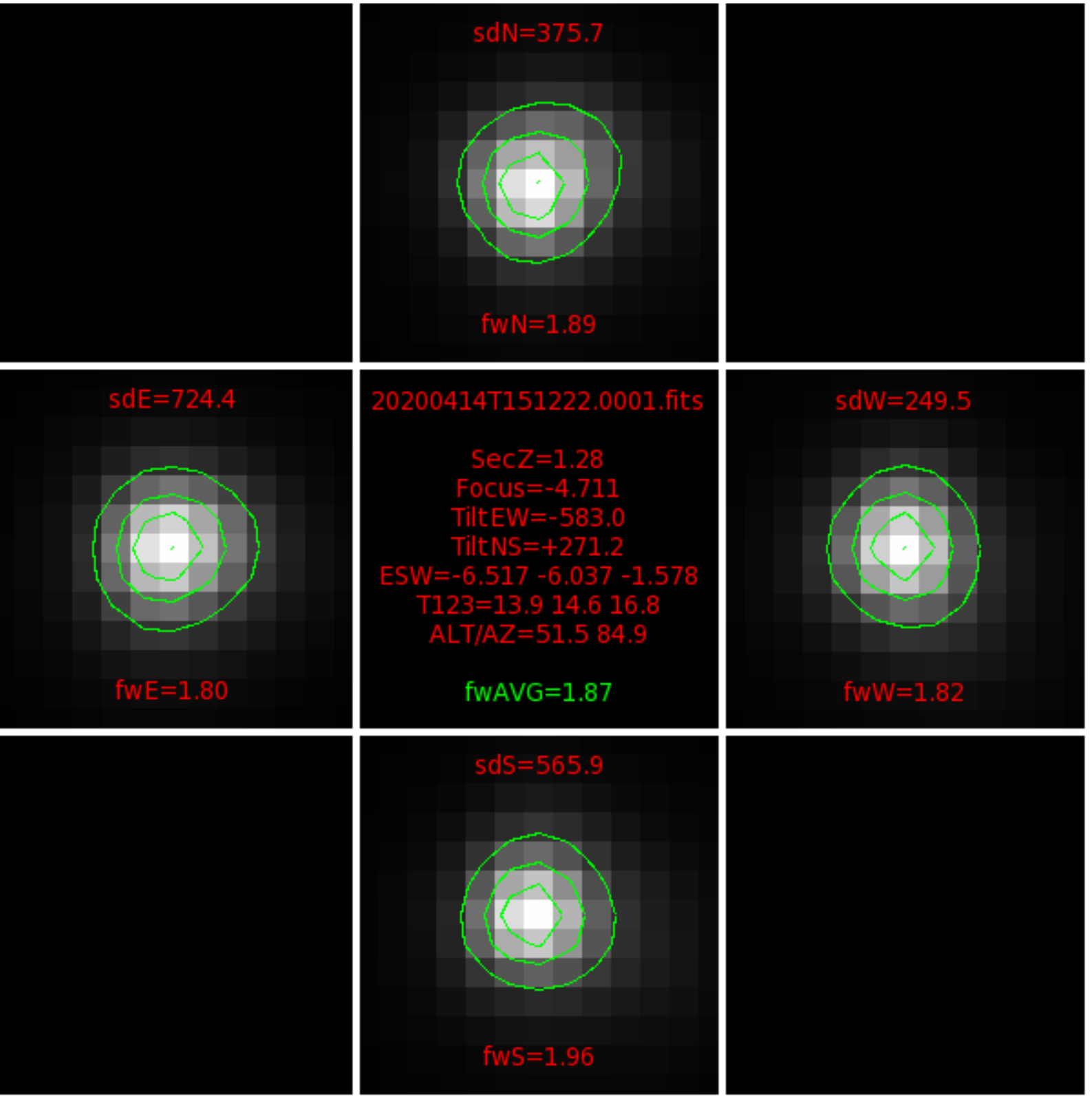
sdN=375.7
fwN=1.89
sdE=724.4
fwE=1.80
20200414T151222.0001.fits
SecZ=1.28
Focus=-4.711
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.517 -6.037 -1.578
T123=13.9 14.6 16.8
ALT/AZ=51.5 84.9
fwAVG=1.87
sdW=249.5
fwW=1.82
sdS=565.9
fwS=1.96
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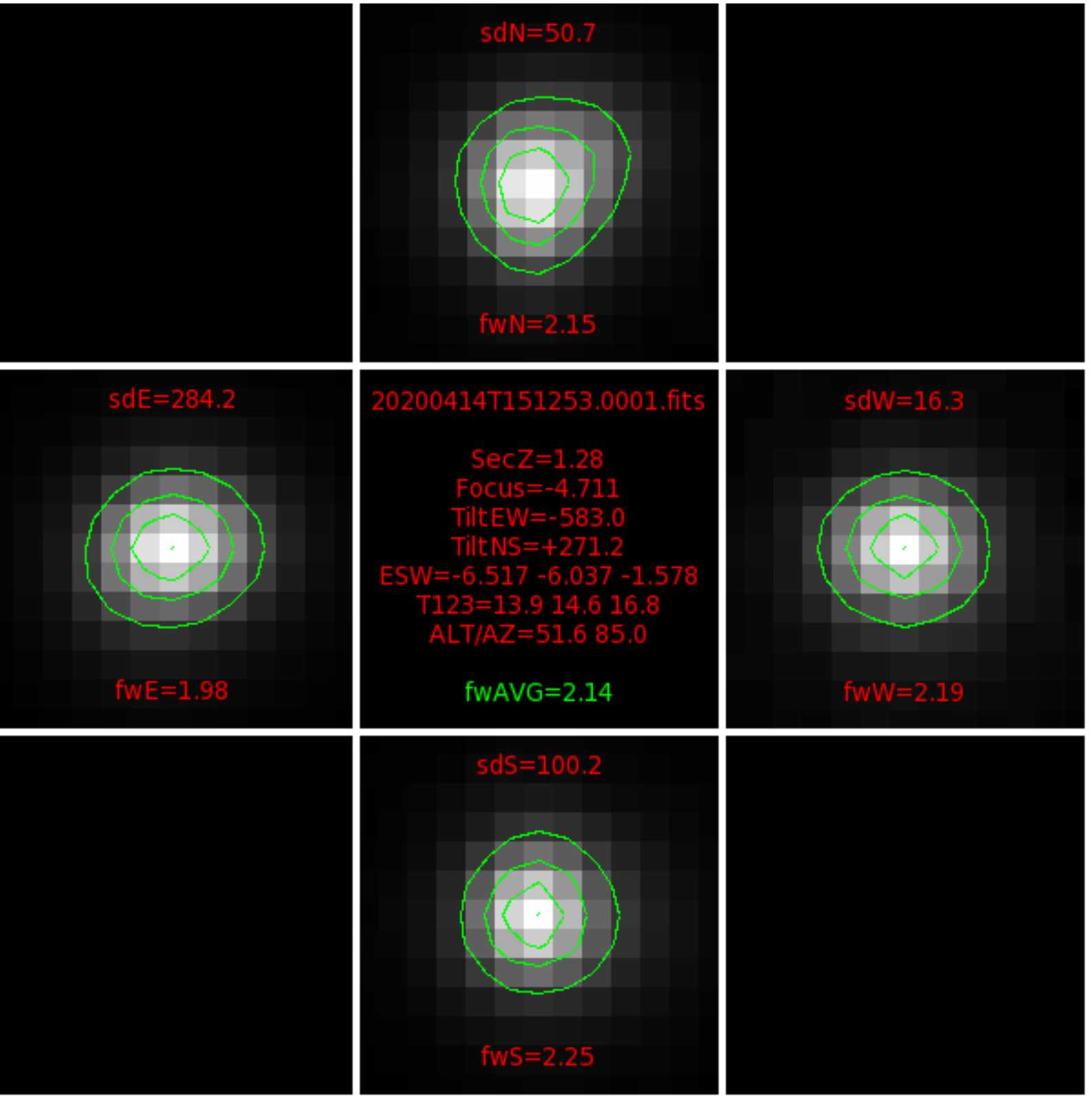
sdN=50.7
fwN=2.15
sdE=284.2
fwE=1.98
20200414T151253.0001.fits
SecZ=1.28
Focus=-4.711
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.517 -6.037 -1.578
T123=13.9 14.6 16.8
ALT/AZ=51.6 85.0
fwAVG=2.14
sdW=16.3
fwW=2.19
sdS=100.2
fwS=2.25
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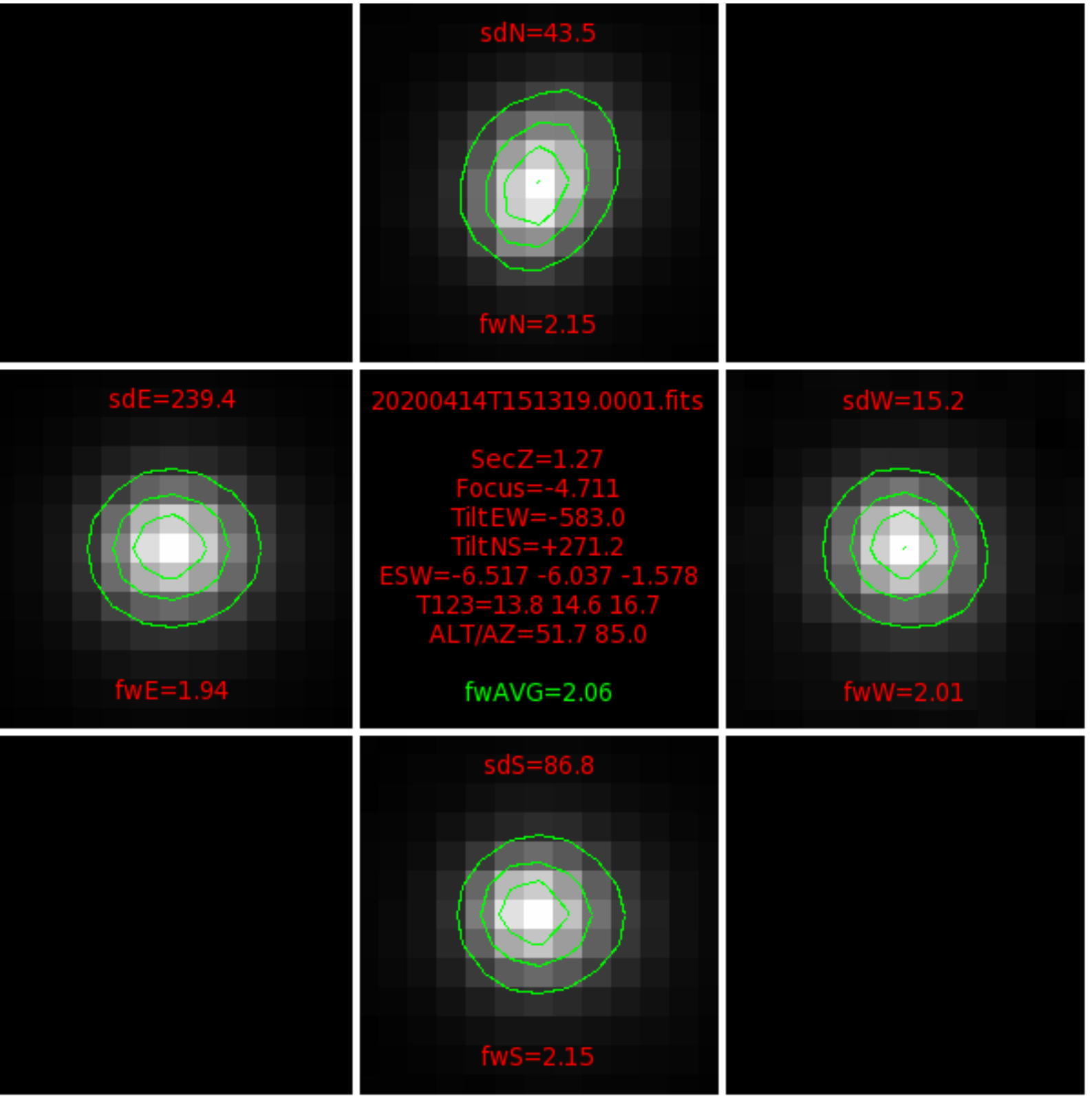
sdN=43.5
fwN=2.15
sdE=239.4
fwE=1.94
20200414T151319.0001.fits
SecZ=1.27
Focus=-4.711
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.517 -6.037 -1.578
T123=13.8 14.6 16.7
ALT/AZ=51.7 85.0
fwAVG=2.06
sdW=15.2
fwW=2.01
sdS=86.8
fwS=2.15
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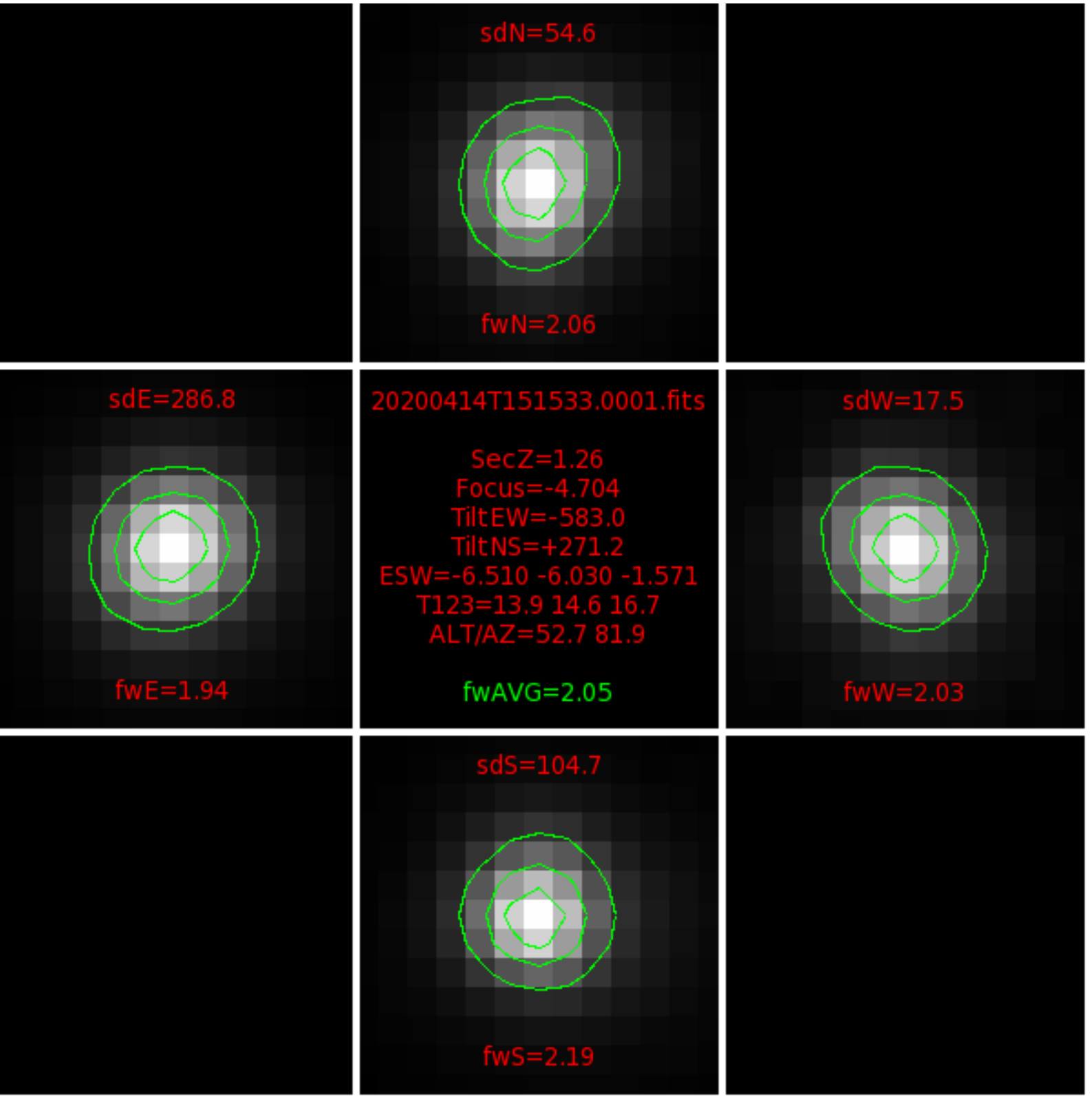
sdN=54.6
fwN=2.06
sdE=286.8
fwE=1.94
20200414T151533.0001.fits
SecZ=1.26
Focus=-4.704
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.510 -6.030 -1.571
T123=13.9 14.6 16.7
ALT/AZ=52.7 81.9
fwAVG=2.05
sdW=17.5
fwW=2.03
sdS=104.7
fwS=2.19
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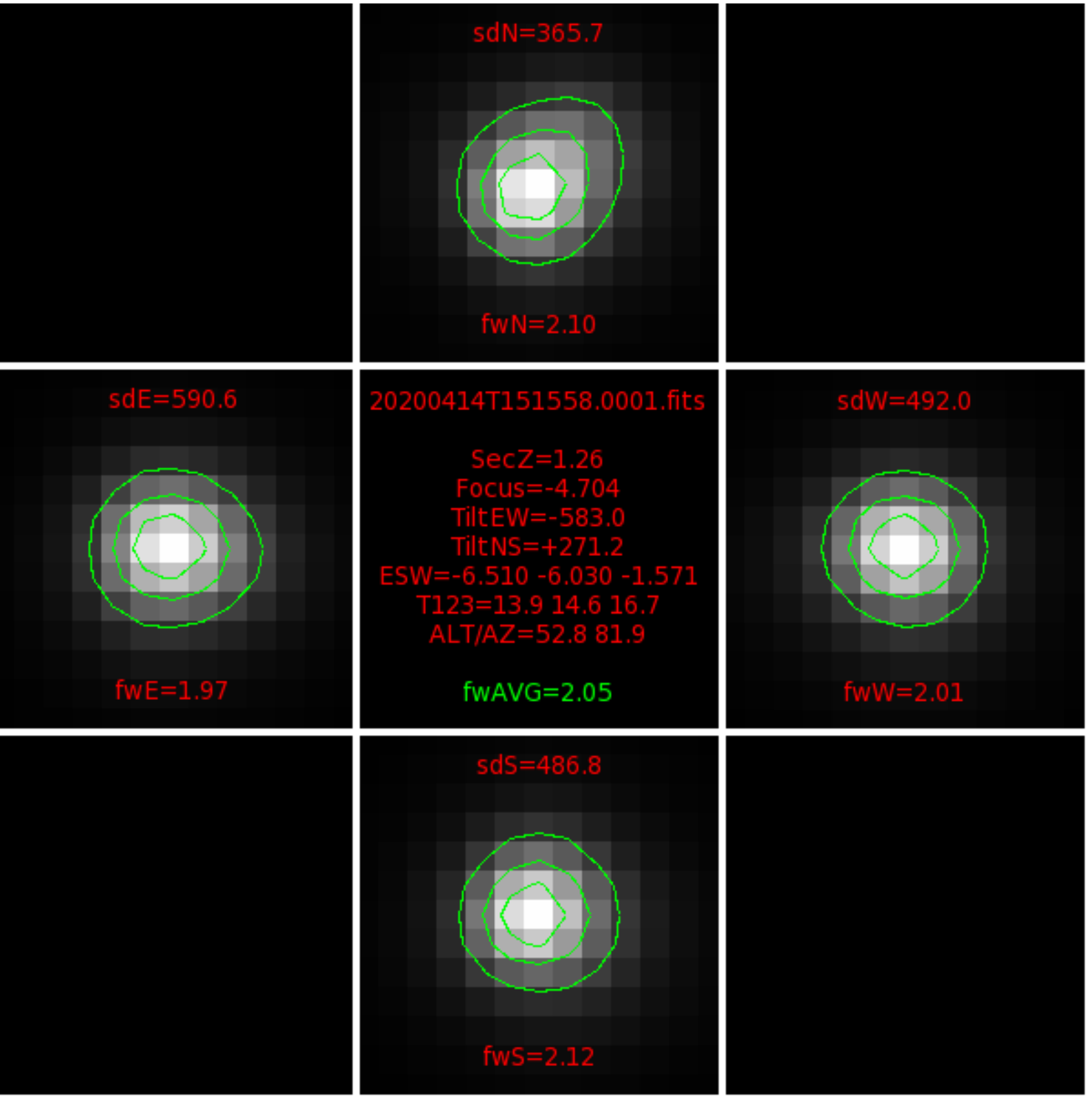
sdN=365.7
fwN=2.10
sdE=590.6
fwE=1.97
20200414T151558.0001.fits
SecZ=1.26
Focus=-4.704
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.510 -6.030 -1.571
T123=13.9 14.6 16.7
ALT/AZ=52.8 81.9
fwAVG=2.05
sdW=492.0
fwW=2.01
sdS=486.8
fwS=2.12
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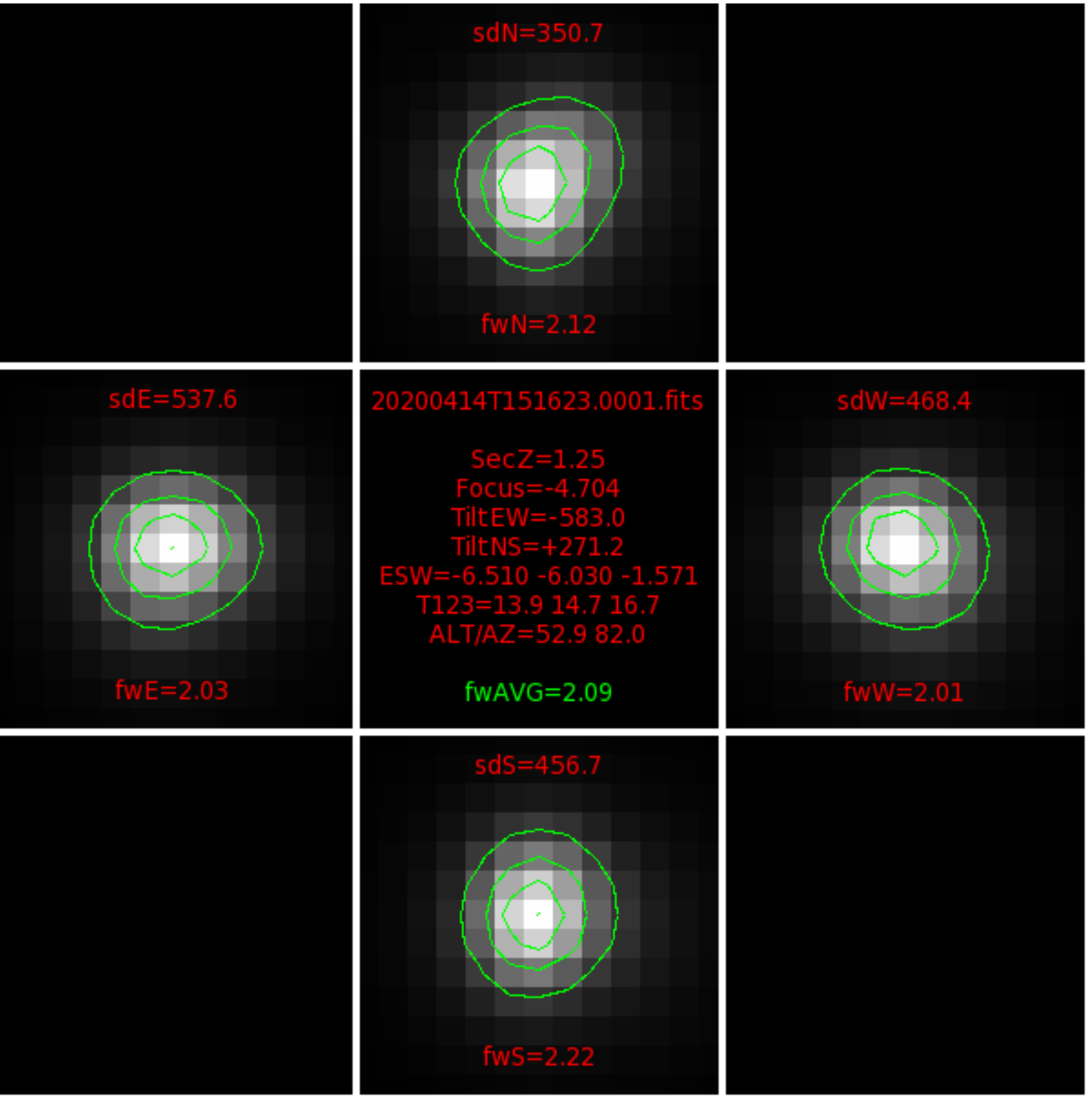
sdN=350.7
fwN=2.12
sdE=537.6
fwE=2.03
20200414T151623.0001.fits
SecZ=1.25
Focus=-4.704
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.510 -6.030 -1.571
T123=13.9 14.7 16.7
ALT/AZ=52.9 82.0
fwAVG=2.09
sdW=468.4
fwW=2.01
sdS=456.7
fwS=2.22
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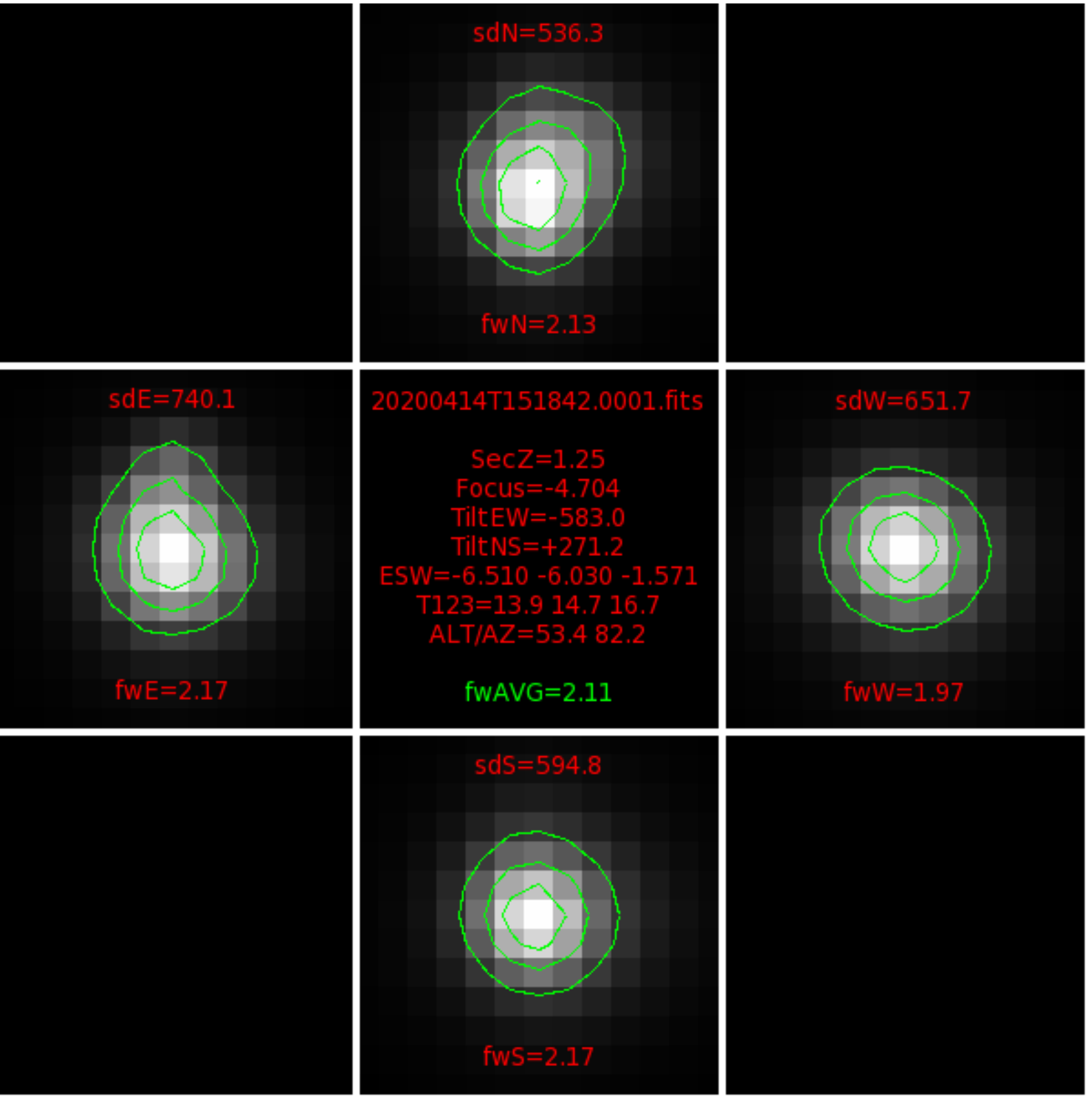
sdN=536.3
fwN=2.13
sdE=740.1
fwE=2.17
20200414T151842.0001.fits
SecZ=1.25
Focus=-4.704
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.510 -6.030 -1.571
T123=13.9 14.7 16.7
ALT/AZ=53.4 82.2
fwAVG=2.11
sdW=651.7
fwW=1.97
sdS=594.8
fwS=2.17
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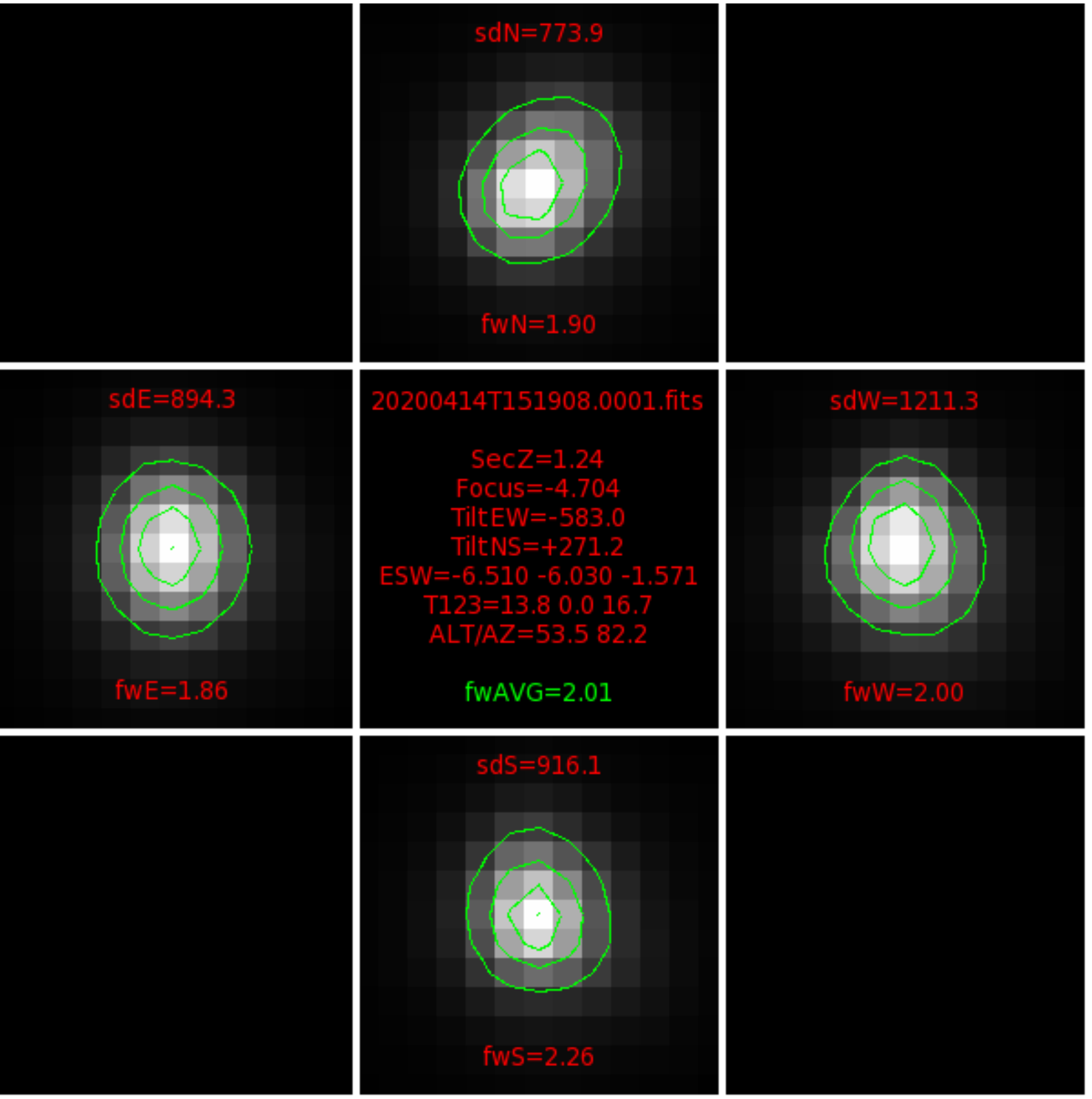
sdN=773.9
fwN=1.90
sdE=894.3
fwE=1.86
20200414T151908.0001.fits
SecZ=1.24
Focus=-4.704
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.510 -6.030 -1.571
T123=13.8 0.0 16.7
ALT/AZ=53.5 82.2
fwAVG=2.01
sdW=1211.3
fwW=2.00
sdS=916.1
fwS=2.26
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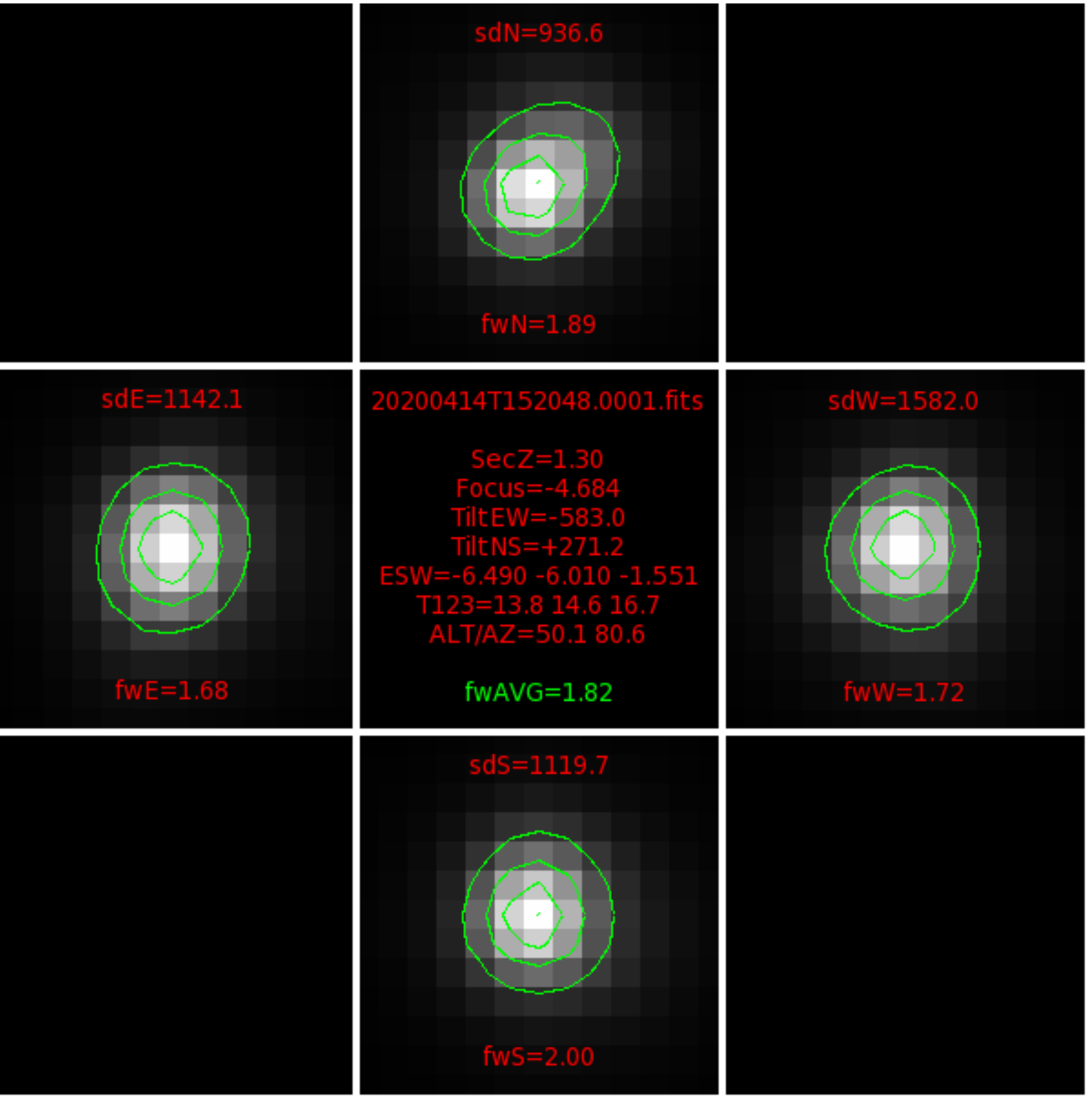
sdN=936.6
fwN=1.89
sdE=1142.1
fwE=1.68
20200414T152048.0001.fits
SecZ=1.30
Focus=-4.684
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.490 -6.010 -1.551
T123=13.8 14.6 16.7
ALT/AZ=50.1 80.6
fwAVG=1.82
sdW=1582.0
fwW=1.72
sdS=1119.7
fwS=2.00
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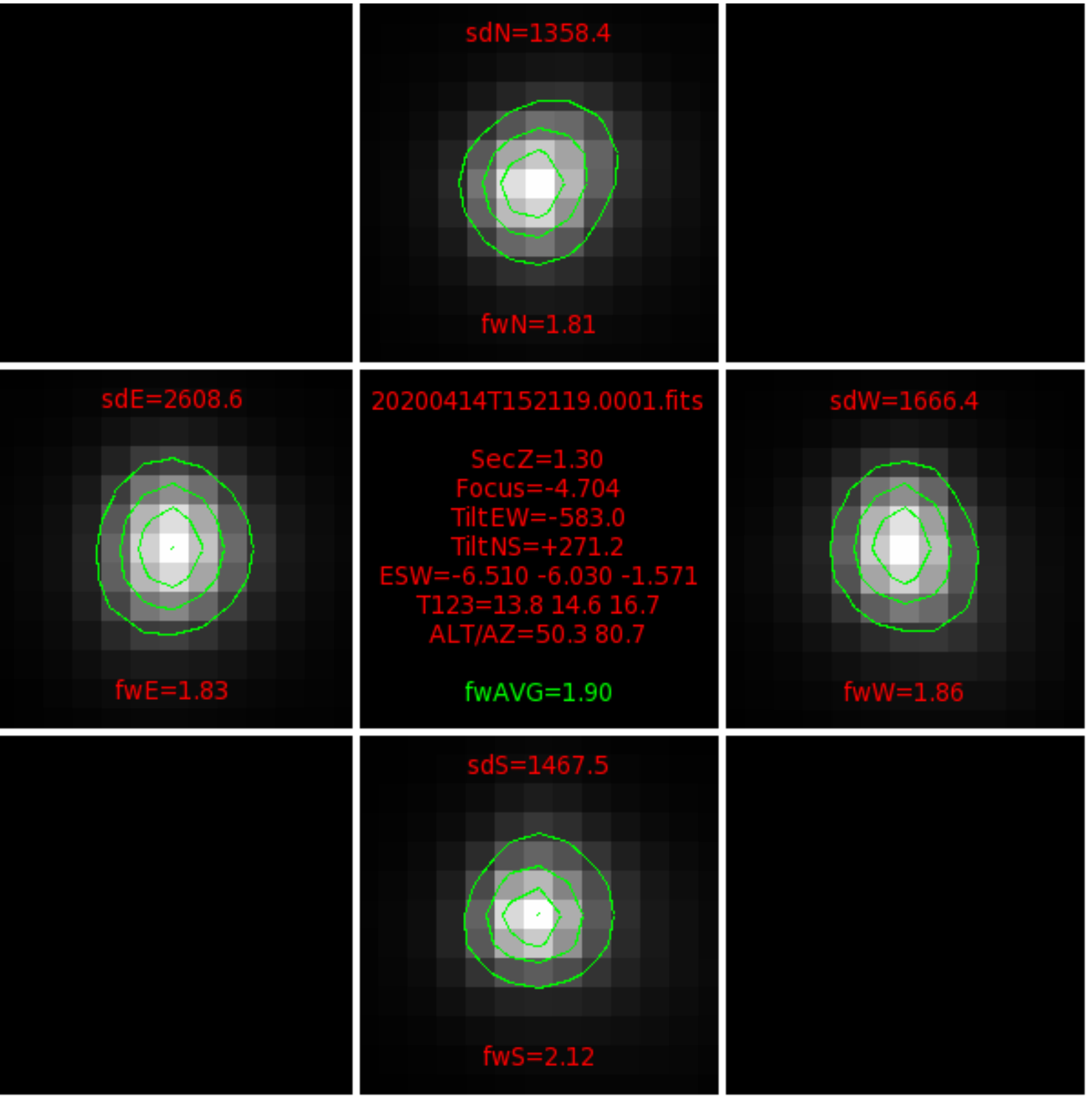
sdN=1358.4
fwN=1.81
sdE=2608.6
fwE=1.83
20200414T152119.0001.fits
SecZ=1.30
Focus=-4.704
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.510 -6.030 -1.571
T123=13.8 14.6 16.7
ALT/AZ=50.3 80.7
fwAVG=1.90
sdW=1666.4
fwW=1.86
sdS=1467.5
fwS=2.12
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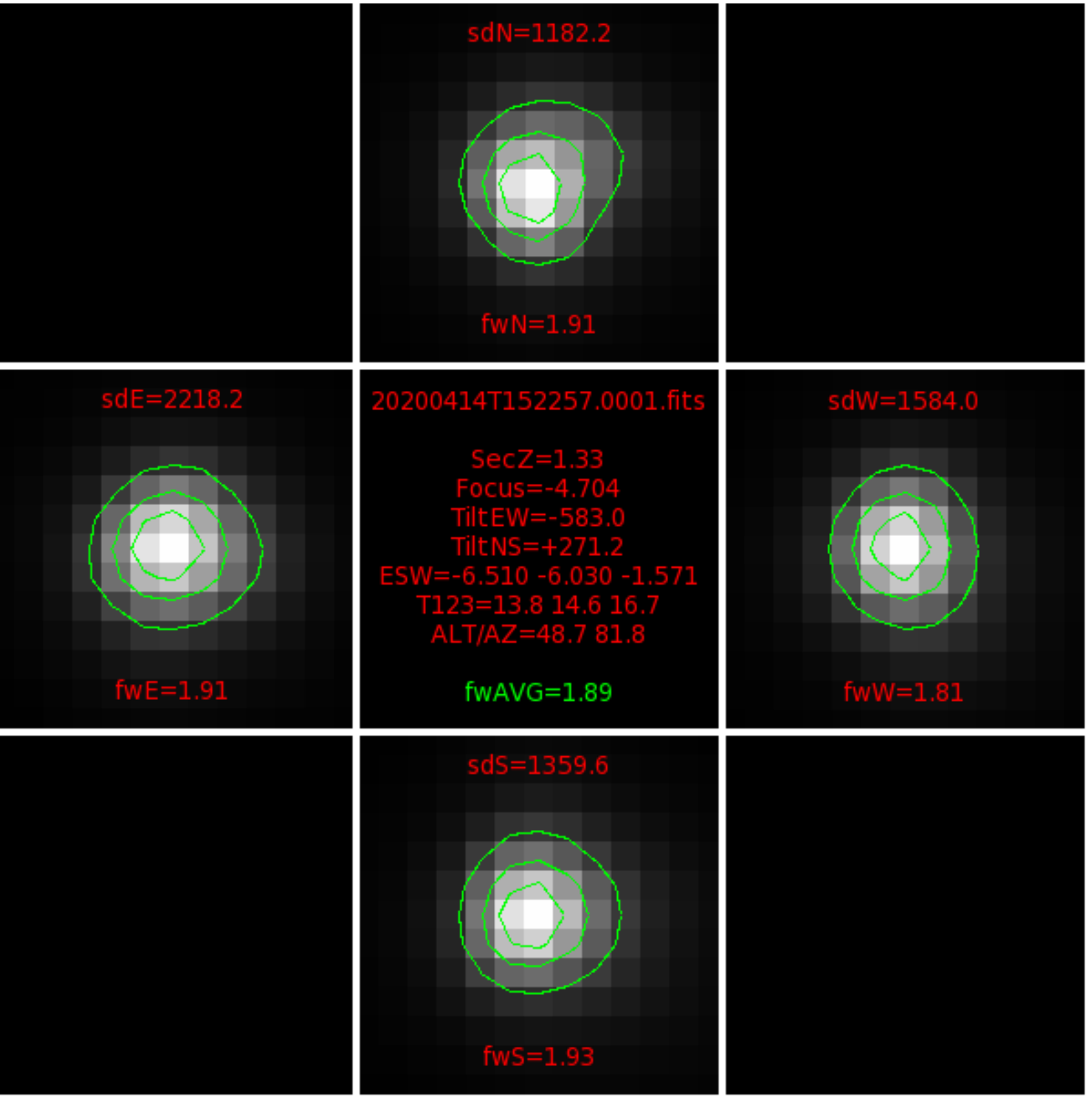
sdN=1182.2
fwN=1.91
sdE=2218.2
fwE=1.91
20200414T152257.0001.fits
SecZ=1.33
Focus=-4.704
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.510 -6.030 -1.571
T123=13.8 14.6 16.7
ALT/AZ=48.7 81.8
fwAVG=1.89
sdW=1584.0
fwW=1.81
sdS=1359.6
fwS=1.93
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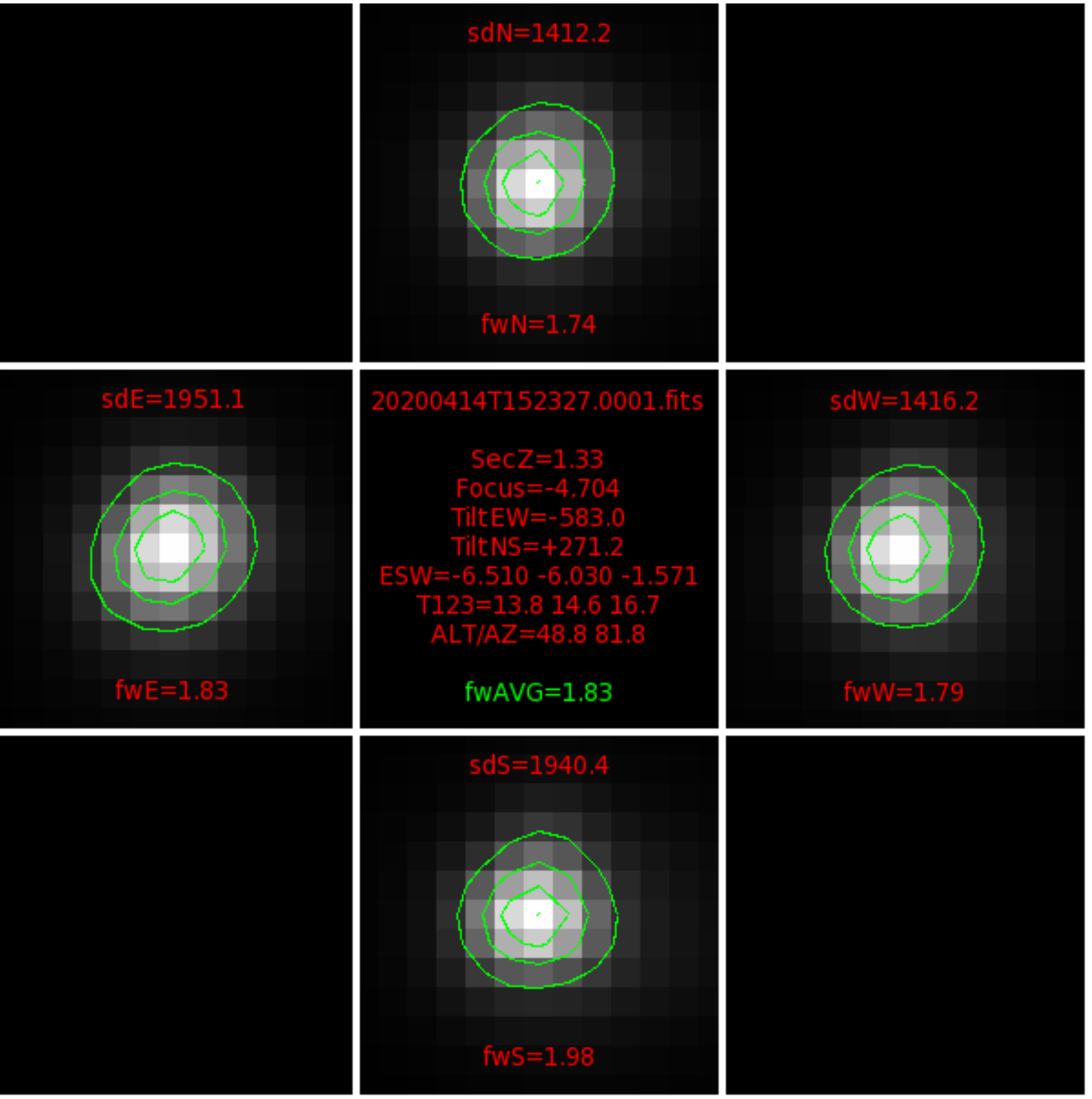
sdN=1412.2
fwN=1.74
sdE=1951.1
fwE=1.83
20200414T152327.0001.fits
SecZ=1.33
Focus=-4.704
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.510 -6.030 -1.571
T123=13.8 14.6 16.7
ALT/AZ=48.8 81.8
fwAVG=1.83
sdW=1416.2
fwW=1.79
sdS=1940.4
fwS=1.98
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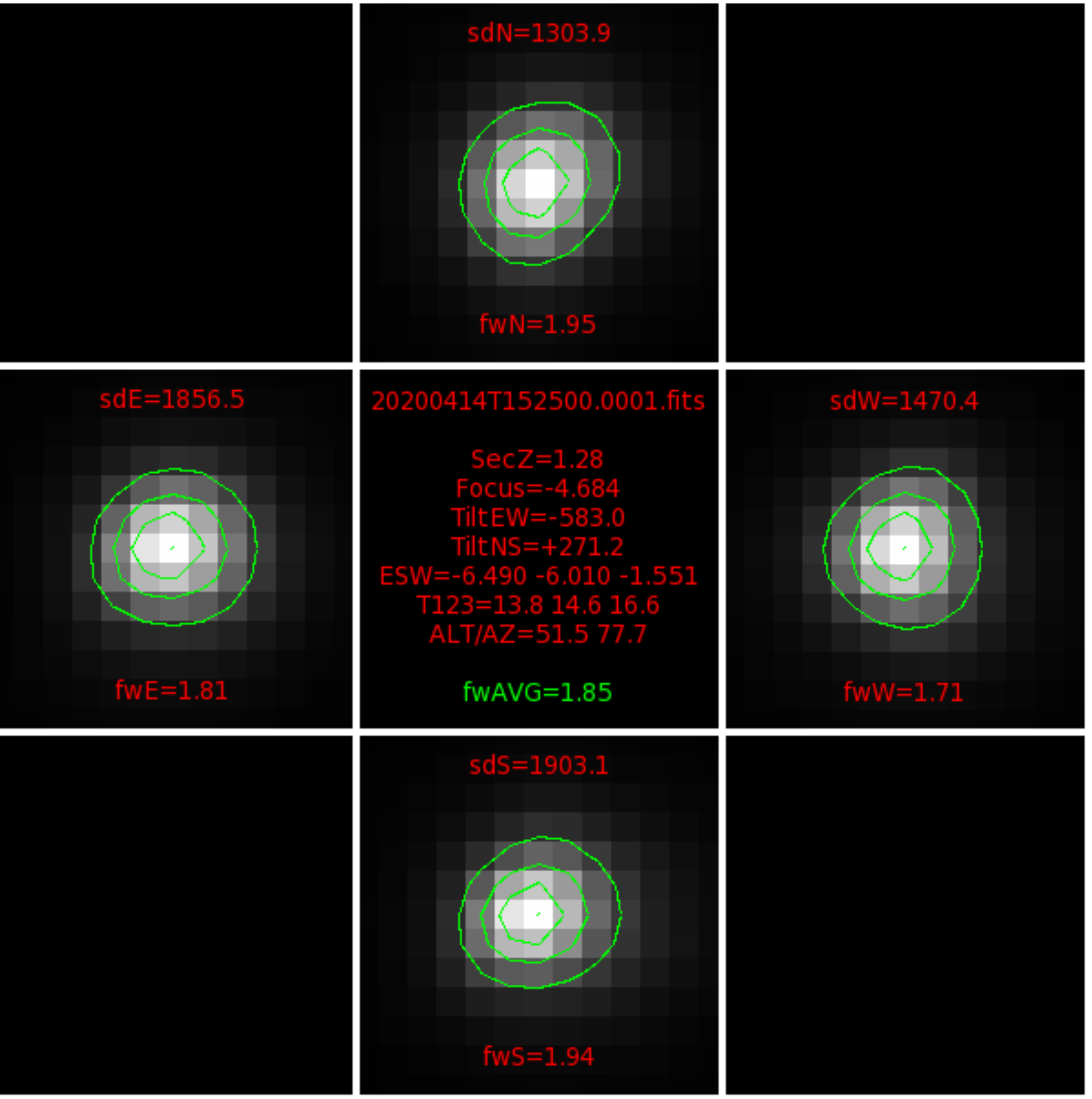
sdN=1303.9
fwN=1.95
sdE=1856.5
fwE=1.81
20200414T152500.0001.fits
SecZ=1.28
Focus=-4.684
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.490 -6.010 -1.551
T123=13.8 14.6 16.6
ALT/AZ=51.5 77.7
fwAVG=1.85
sdW=1470.4
fwW=1.71
sdS=1903.1
fwS=1.94
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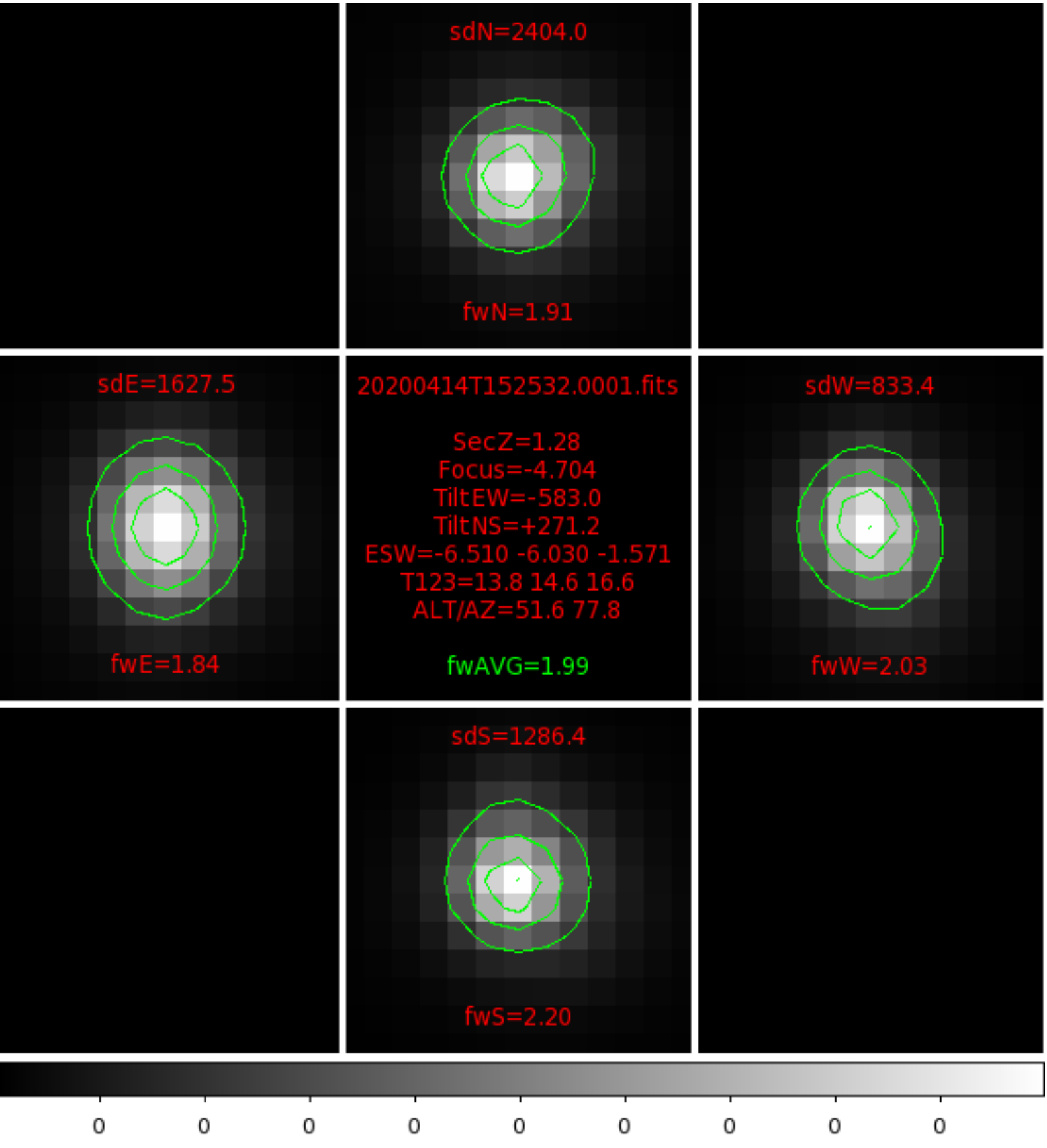
sdN=2404.0
fwN=1.91
sdE=1627.5
fwE=1.84
20200414T152532.0001.fits
SecZ=1.28
Focus=-4.704
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.510 -6.030 -1.571
T123=13.8 14.6 16.6
ALT/AZ=51.6 77.8
fwAVG=1.99
sdW=833.4
fwW=2.03
sdS=1286.4
fwS=2.20
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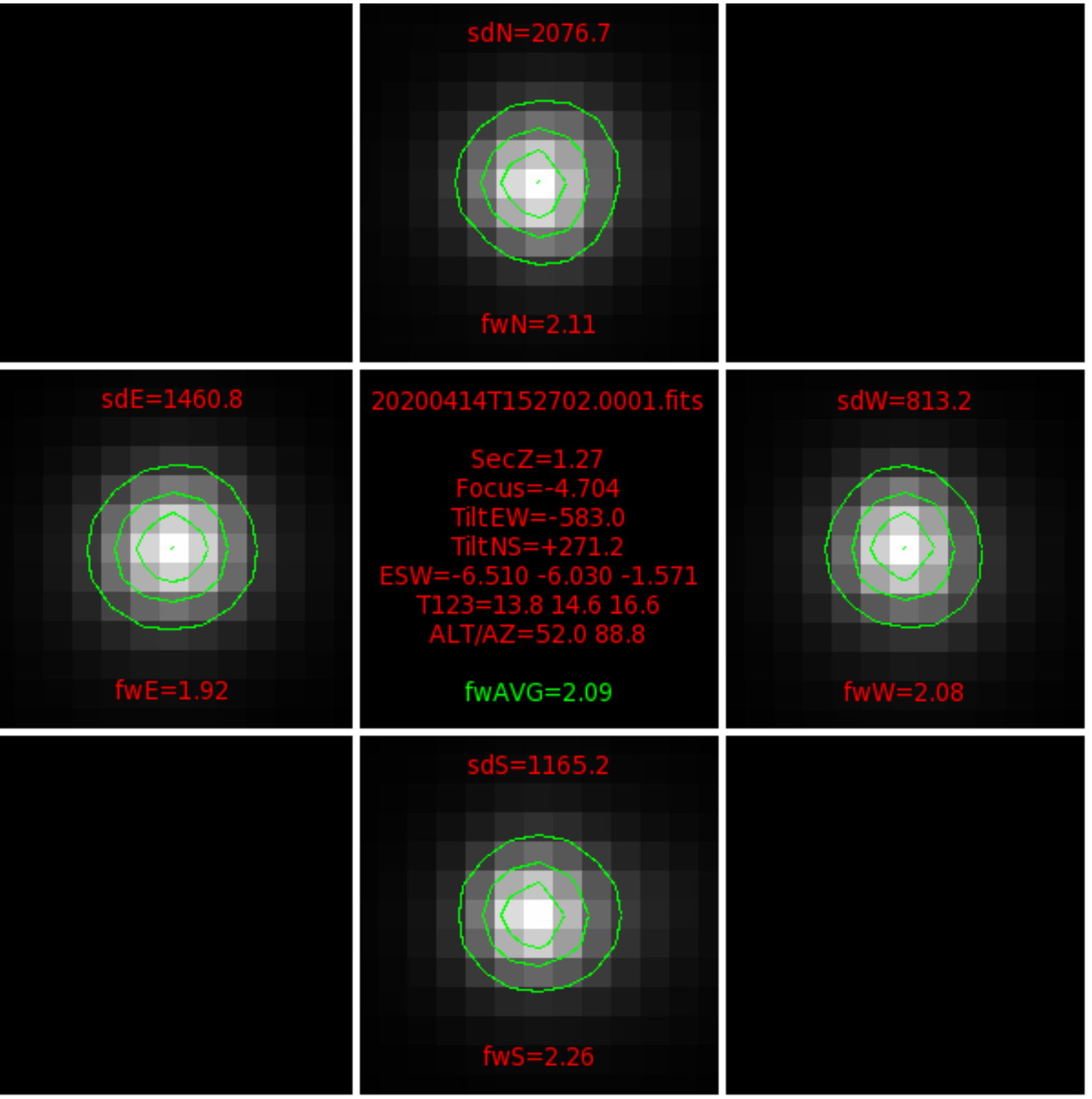
sdN=2076.7
fwN=2.11
sdE=1460.8
fwE=1.92
20200414T152702.0001.fits
SecZ=1.27
Focus=-4.704
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.510 -6.030 -1.571
T123=13.8 14.6 16.6
ALT/AZ=52.0 88.8
fwAVG=2.09
sdW=813.2
fwW=2.08
sdS=1165.2
fwS=2.26
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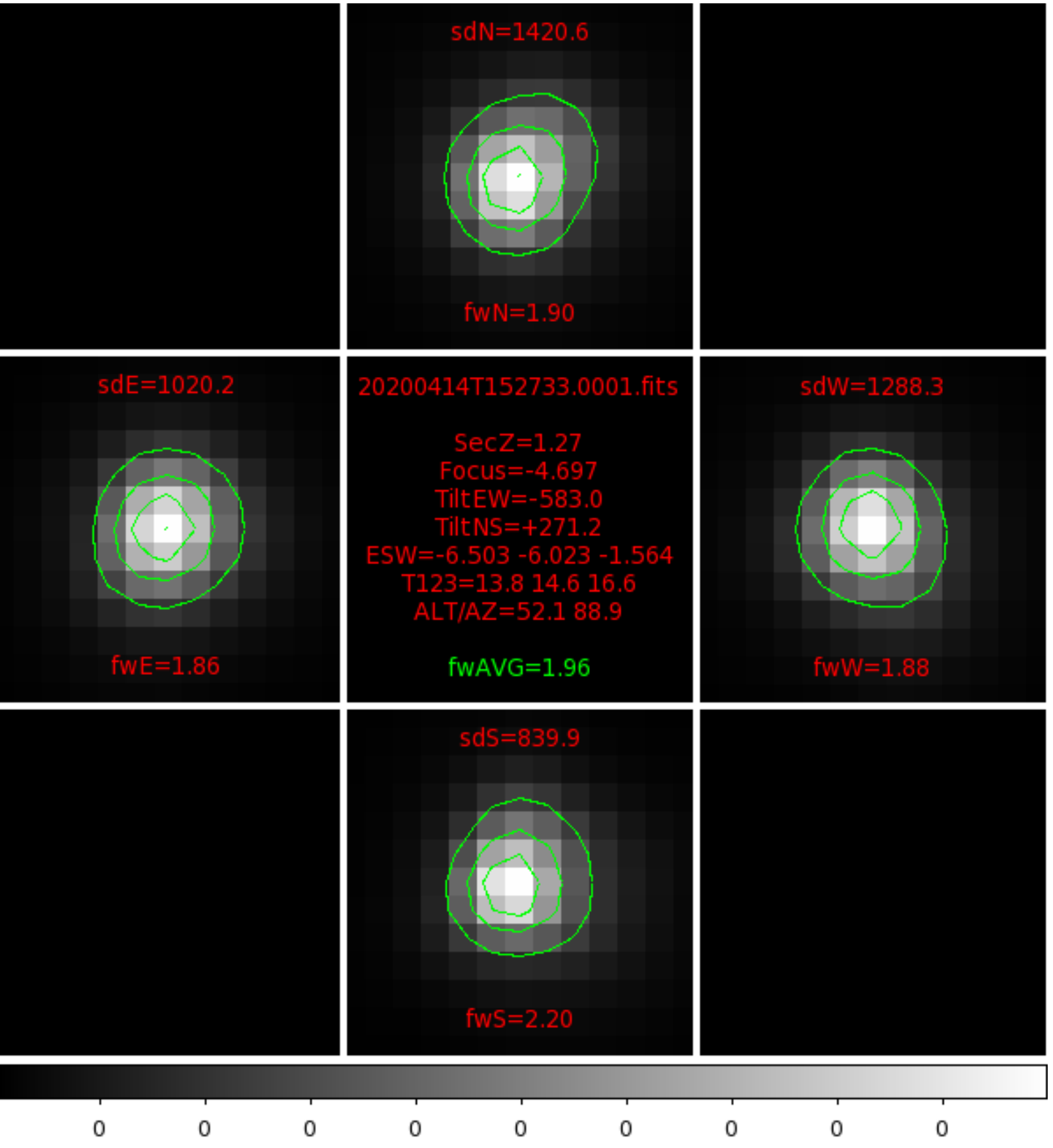
sdN=1420.6
fwN=1.90
sdE=1020.2
fwE=1.86
20200414T152733.0001.fits
SecZ=1.27
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.8 14.6 16.6
ALT/AZ=52.1 88.9
fwAVG=1.96
sdW=1288.3
fwW=1.88
sdS=839.9
fwS=2.20
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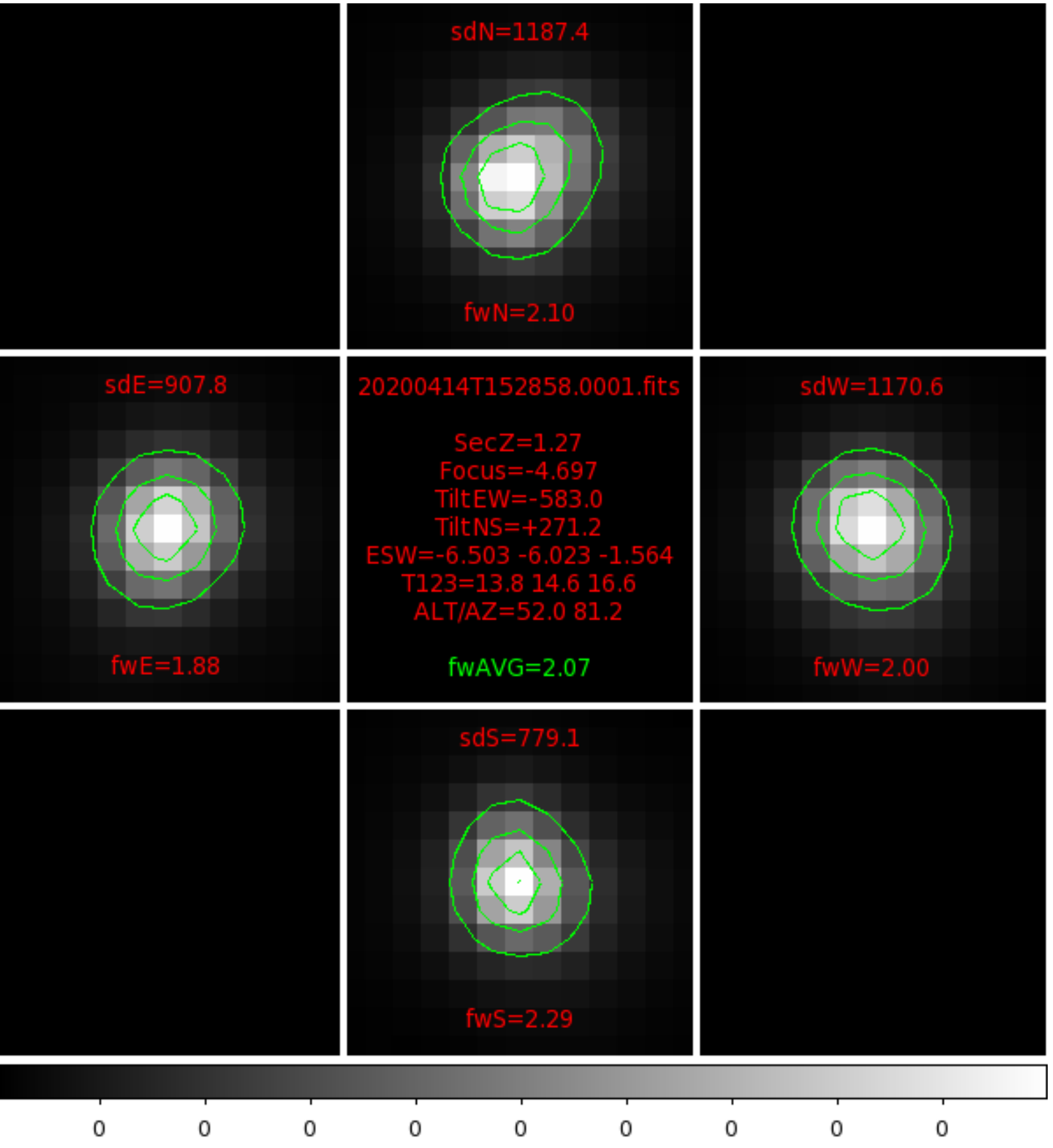
sdN=1187.4
fwN=2.10
sdE=907.8
fwE=1.88
20200414T152858.0001.fits
SecZ=1.27
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.8 14.6 16.6
ALT/AZ=52.0 81.2
fwAVG=2.07
sdW=1170.6
fwW=2.00
sdS=779.1
fwS=2.29
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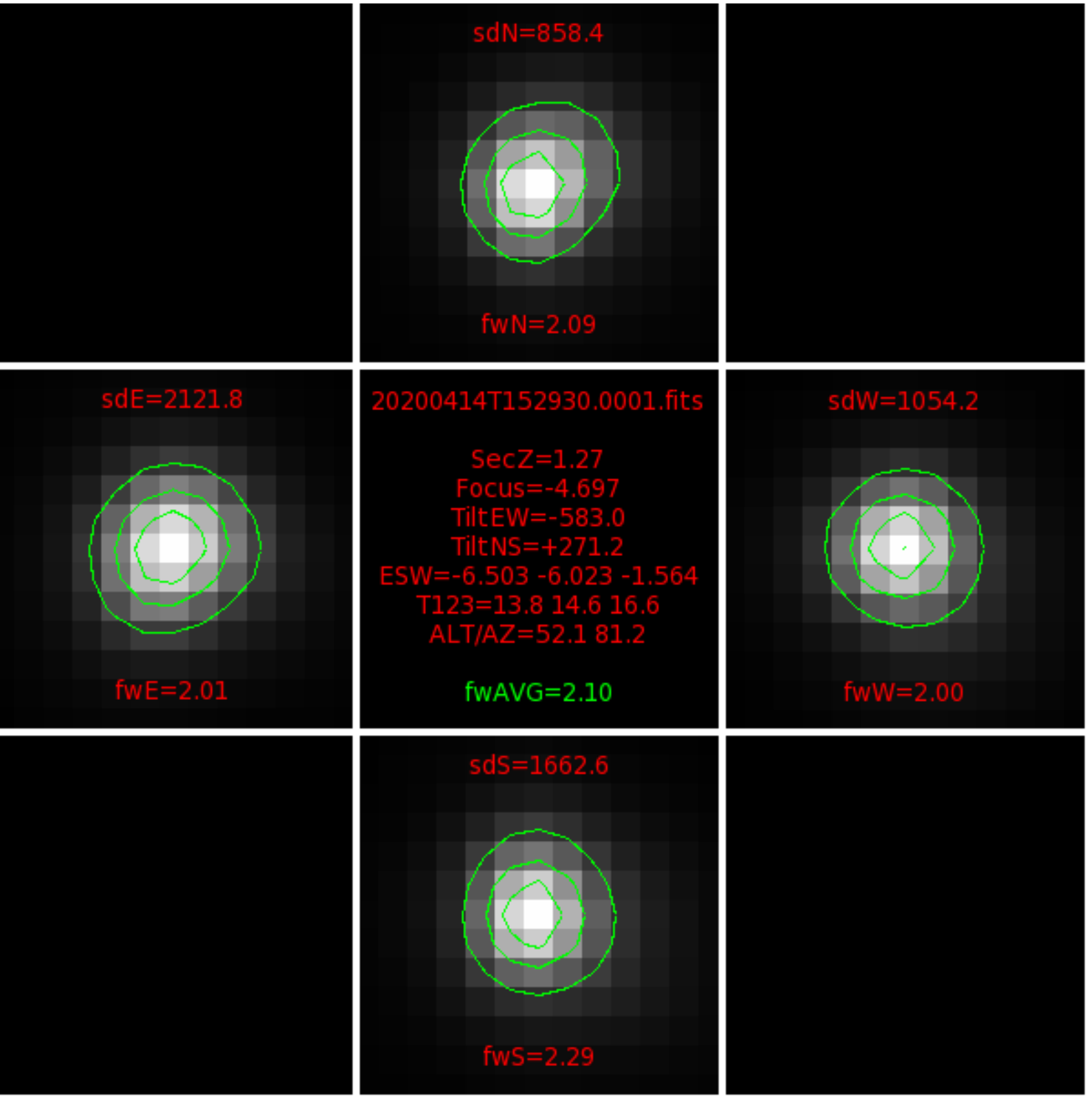
sdN=858.4
fwN=2.09
sdE=2121.8
fwE=2.01
20200414T152930.0001.fits
SecZ=1.27
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.8 14.6 16.6
ALT/AZ=52.1 81.2
fwAVG=2.10
sdW=1054.2
fwW=2.00
sdS=1662.6
fwS=2.29
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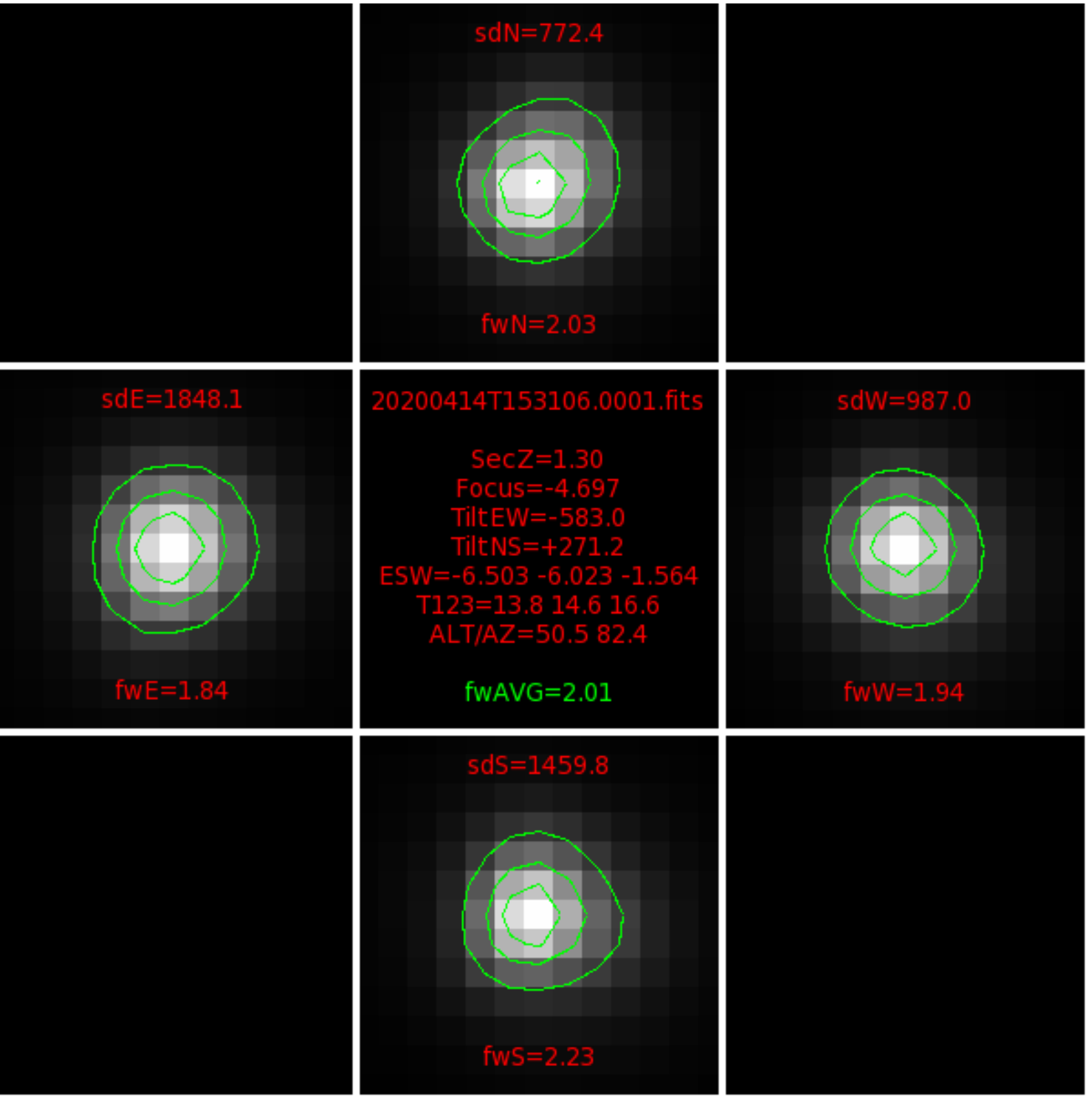
sdN=772.4
fwN=2.03
sdE=1848.1
fwE=1.84
20200414T153106.0001.fits
SecZ=1.30
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.8 14.6 16.6
ALT/AZ=50.5 82.4
fwAVG=2.01
sdW=987.0
fwW=1.94
sdS=1459.8
fwS=2.23
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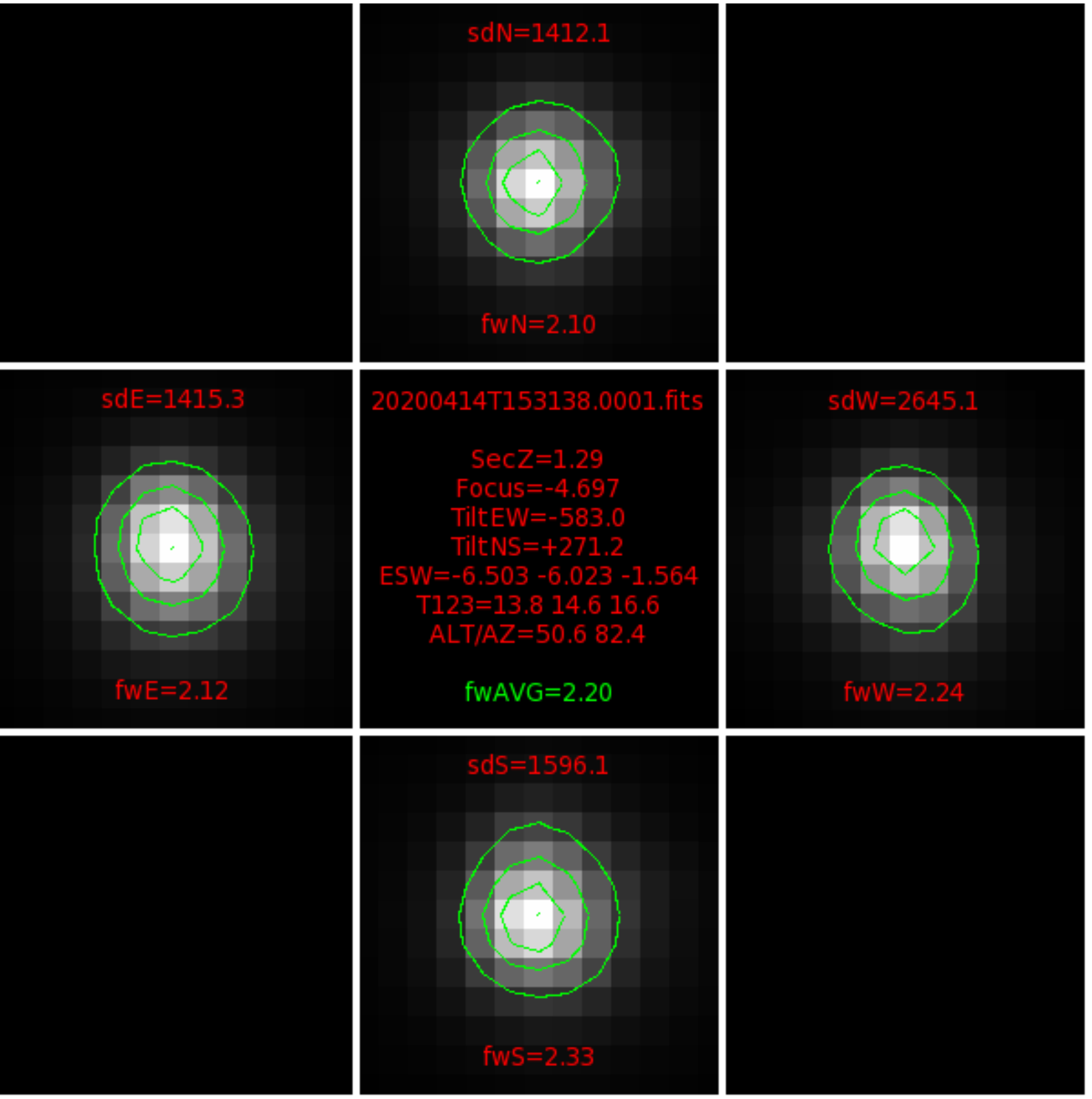
sdN=1412.1
fwN=2.10
sdE=1415.3
fwE=2.12
20200414T153138.0001.fits
SecZ=1.29
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.8 14.6 16.6
ALT/AZ=50.6 82.4
fwAVG=2.20
sdW=2645.1
fwW=2.24
sdS=1596.1
fwS=2.33
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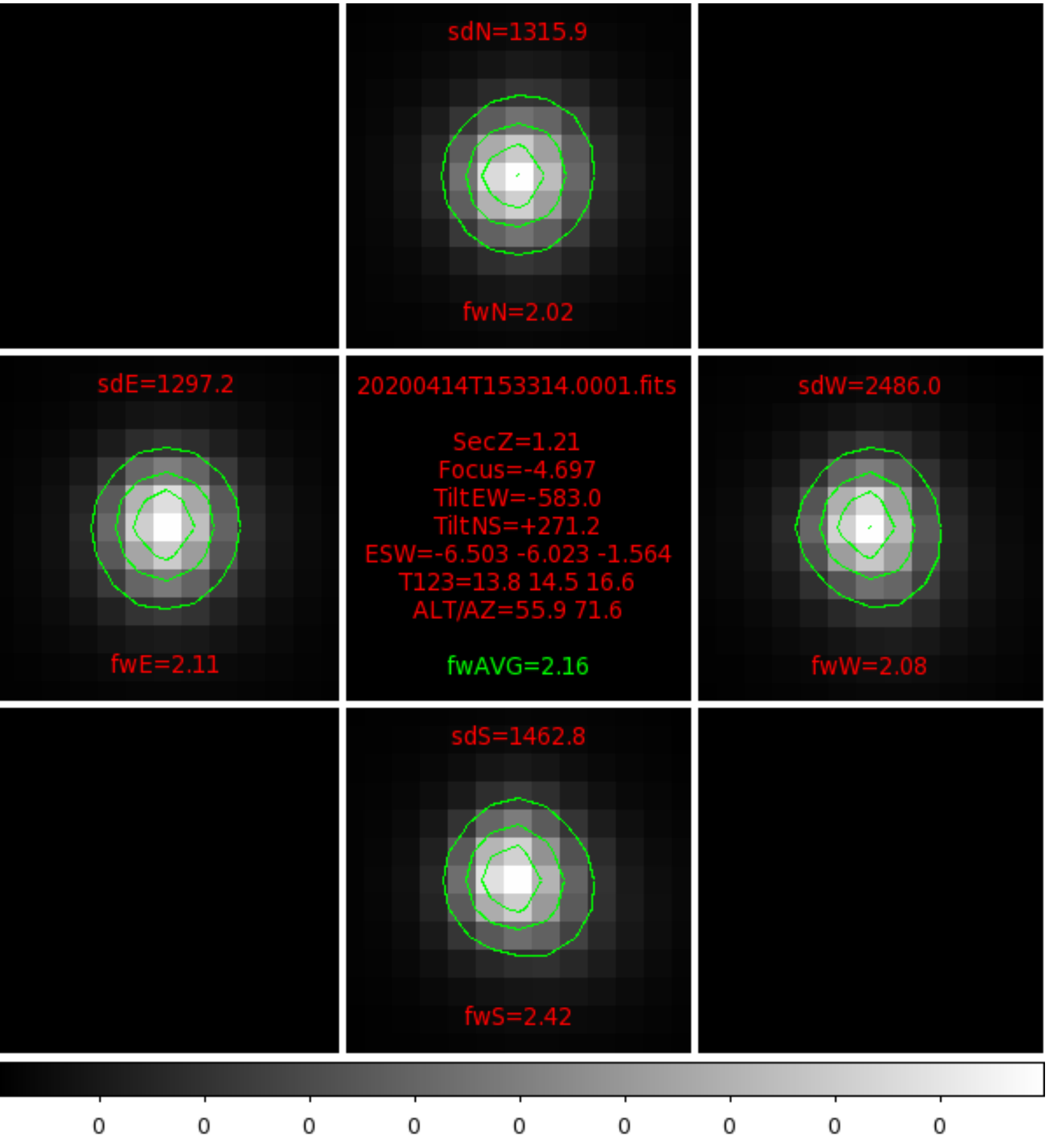
sdN=1315.9
fwN=2.02
sdE=1297.2
fwE=2.11
20200414T153314.0001.fits
SecZ=1.21
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.8 14.5 16.6
ALT/AZ=55.9 71.6
fwAVG=2.16
sdW=2486.0
fwW=2.08
sdS=1462.8
fwS=2.42
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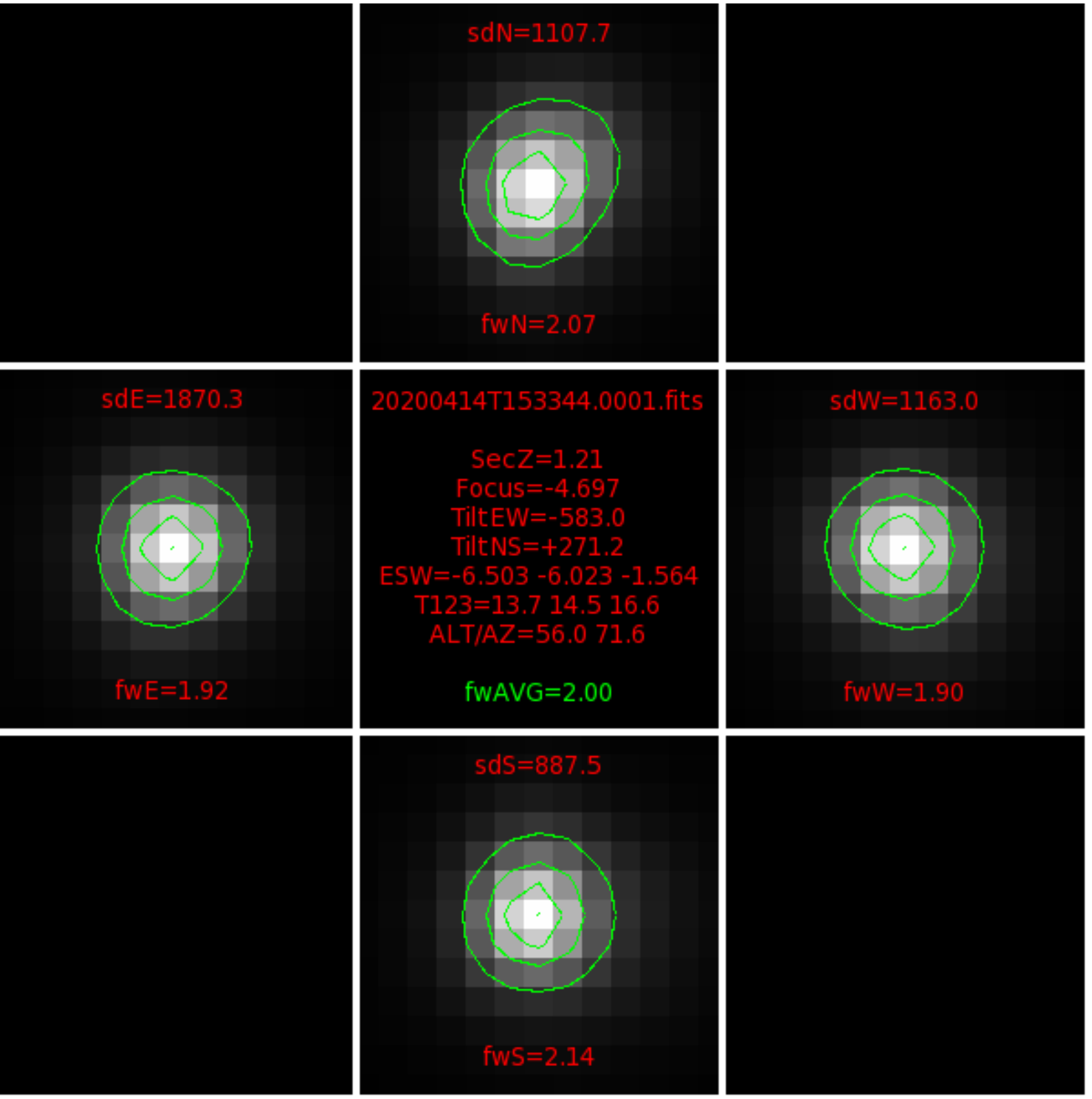
sdN=1107.7
fwN=2.07
sdE=1870.3
fwE=1.92
20200414T153344.0001.fits
SecZ=1.21
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.7 14.5 16.6
ALT/AZ=56.0 71.6
fwAVG=2.00
sdW=1163.0
fwW=1.90
sdS=887.5
fwS=2.14
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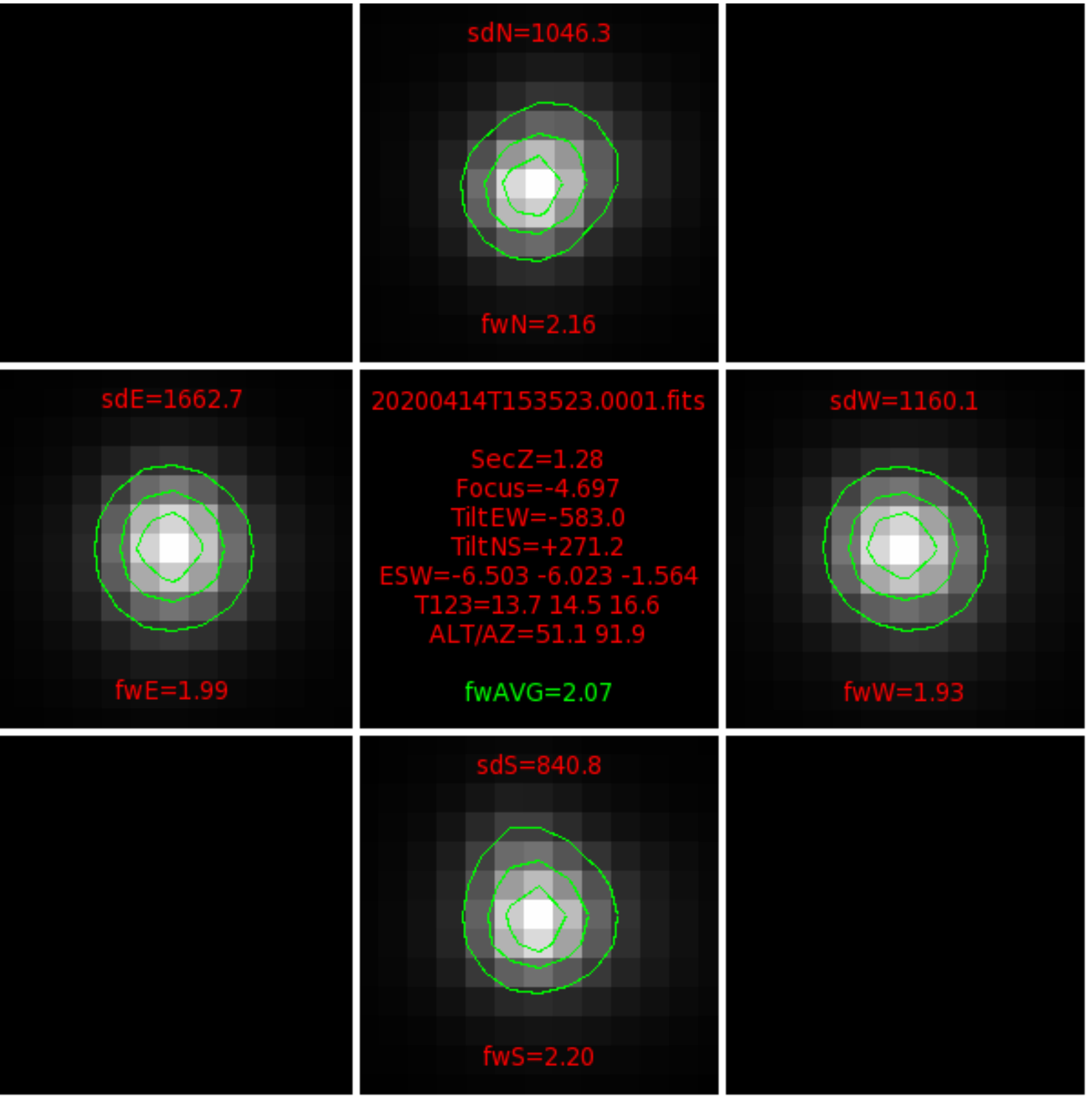
sdN=1046.3
fwN=2.16
sdE=1662.7
fwE=1.99
20200414T153523.0001.fits
SecZ=1.28
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.7 14.5 16.6
ALT/AZ=51.1 91.9
fwAVG=2.07
sdW=1160.1
fwW=1.93
sdS=840.8
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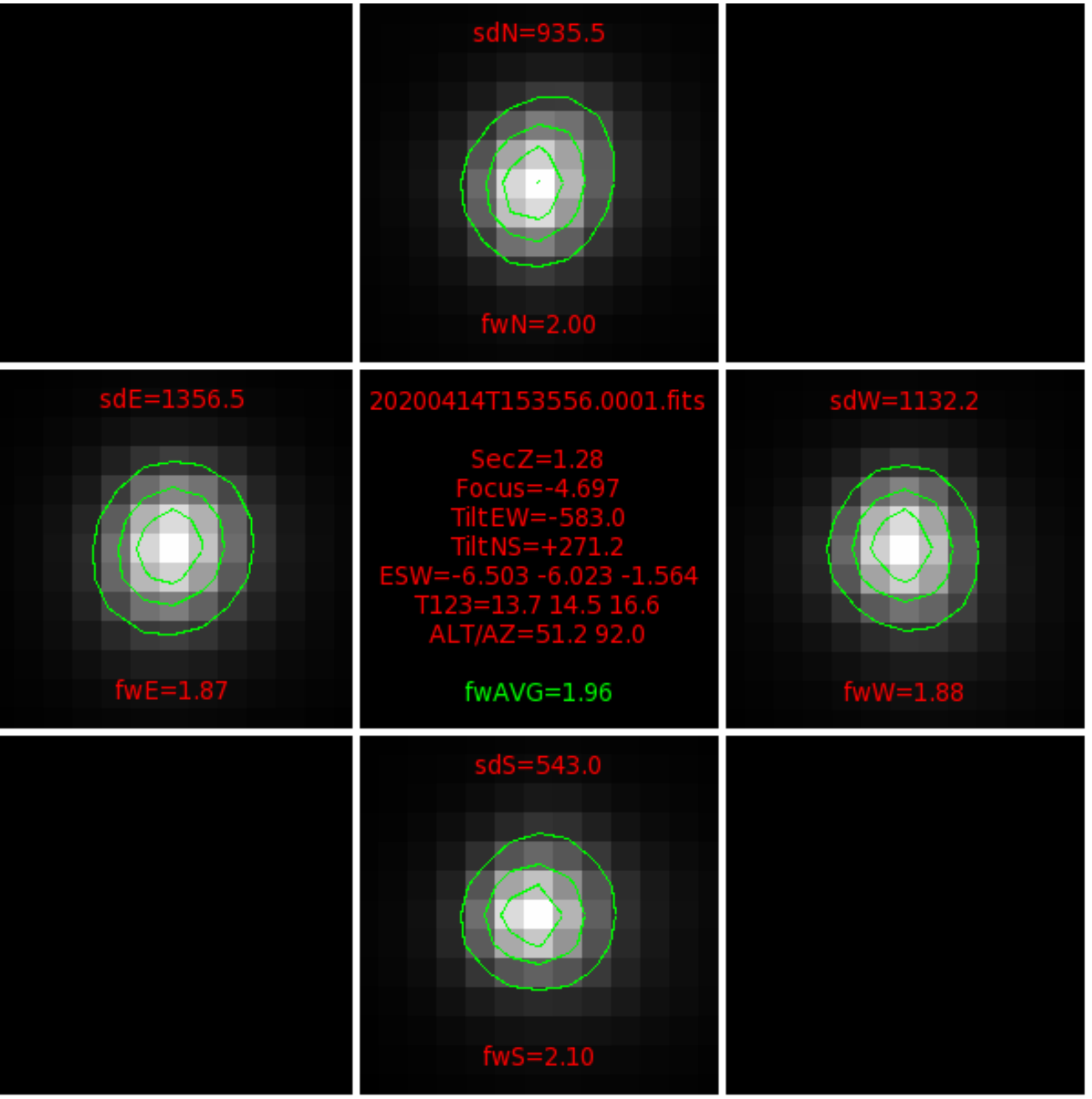
sdN=935.5
fwN=2.00
sdE=1356.5
fwE=1.87
20200414T153556.0001.fits
SecZ=1.28
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.7 14.5 16.6
ALT/AZ=51.2 92.0
fwAVG=1.96
sdW=1132.2
fwW=1.88
sdS=543.0
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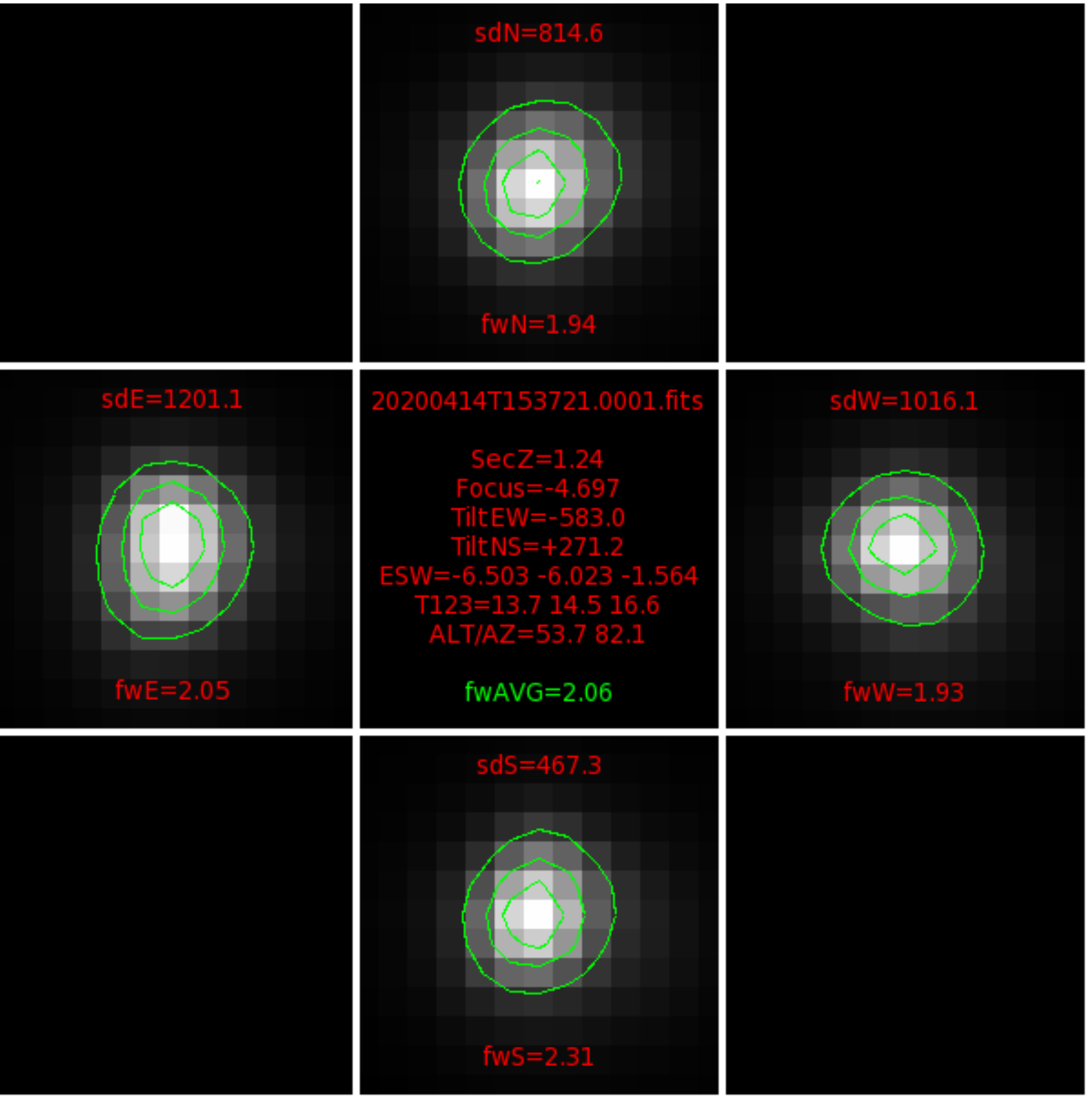
sdN=814.6
fwN=1.94
sdE=1201.1
fwE=2.05
20200414T153721.0001.fits
SecZ=1.24
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.7 14.5 16.6
ALT/AZ=53.7 82.1
fwAVG=2.06
sdW=1016.1
fwW=1.93
sdS=467.3
fwS=2.31
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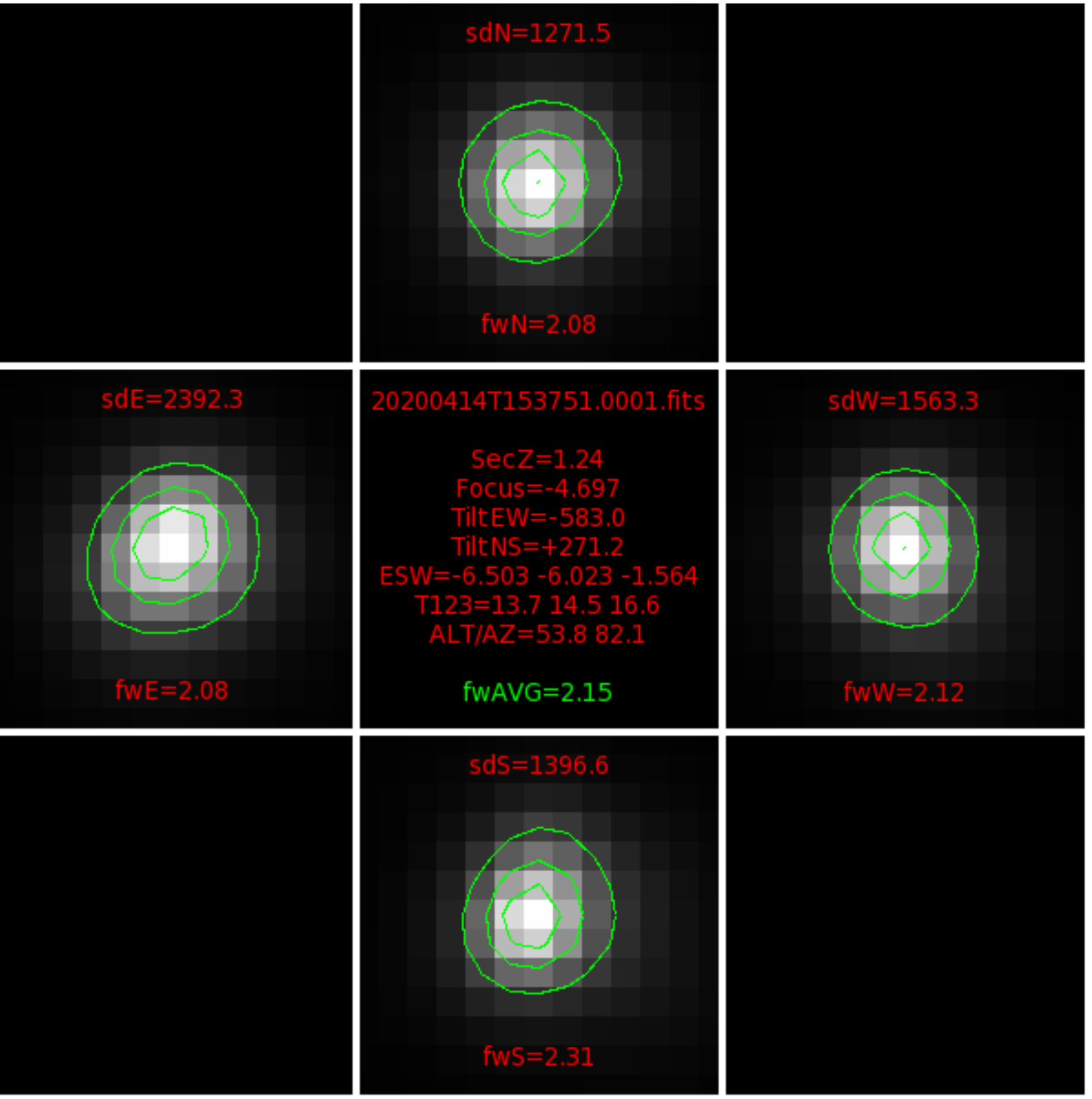
sdN=1271.5
fwN=2.08
sdE=2392.3
fwE=2.08
20200414T153751.0001.fits
SecZ=1.24
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.7 14.5 16.6
ALT/AZ=53.8 82.1
fwAVG=2.15
sdW=1563.3
fwW=2.12
sdS=1396.6
fwS=2.31
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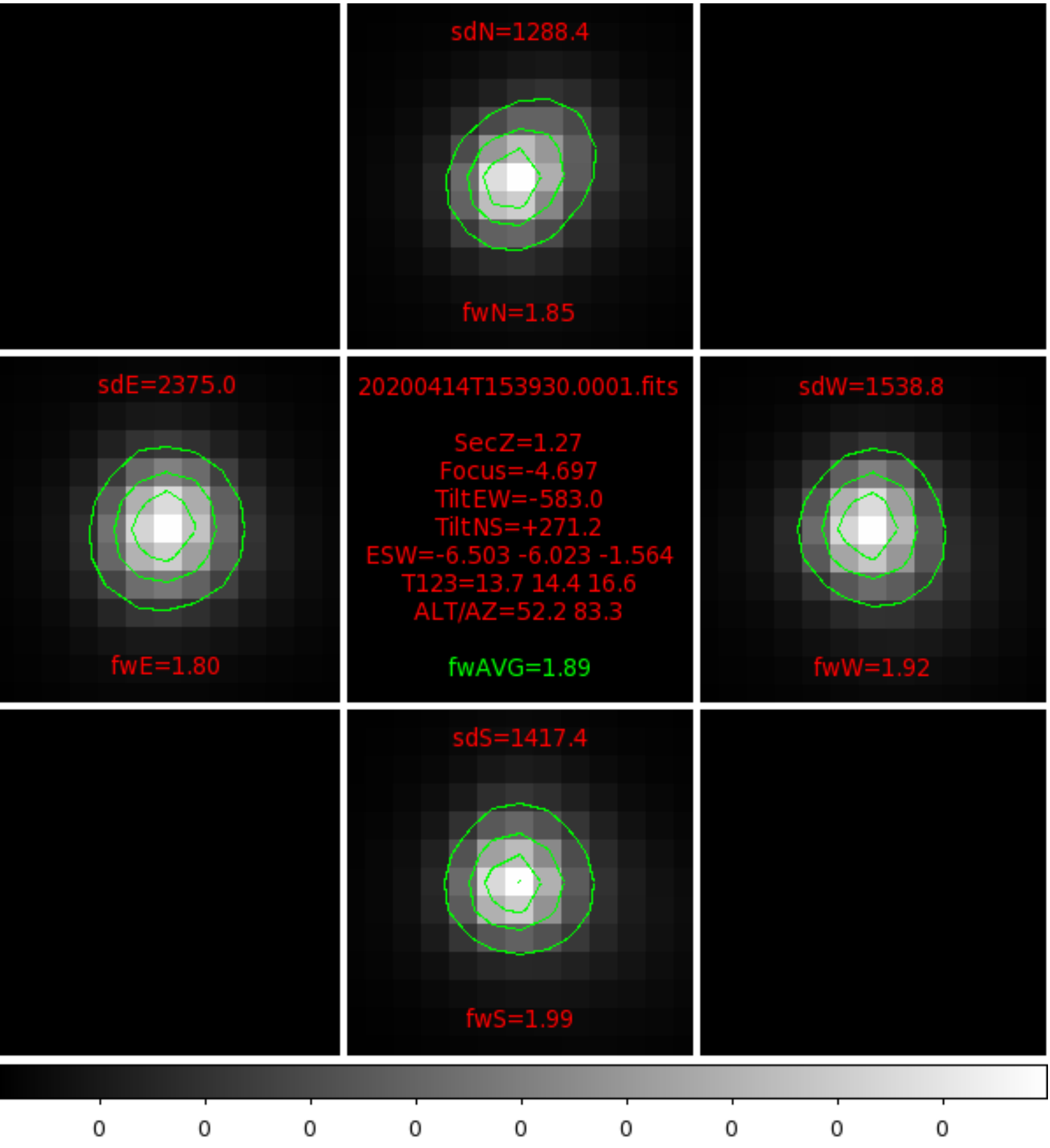
sdN=1288.4
fwN=1.85
sdE=2375.0
fwE=1.80
20200414T153930.0001.fits
SecZ=1.27
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.7 14.4 16.6
ALT/AZ=52.2 83.3
fwAVG=1.89
sdW=1538.8
fwW=1.92
sdS=1417.4
fwS=1.99
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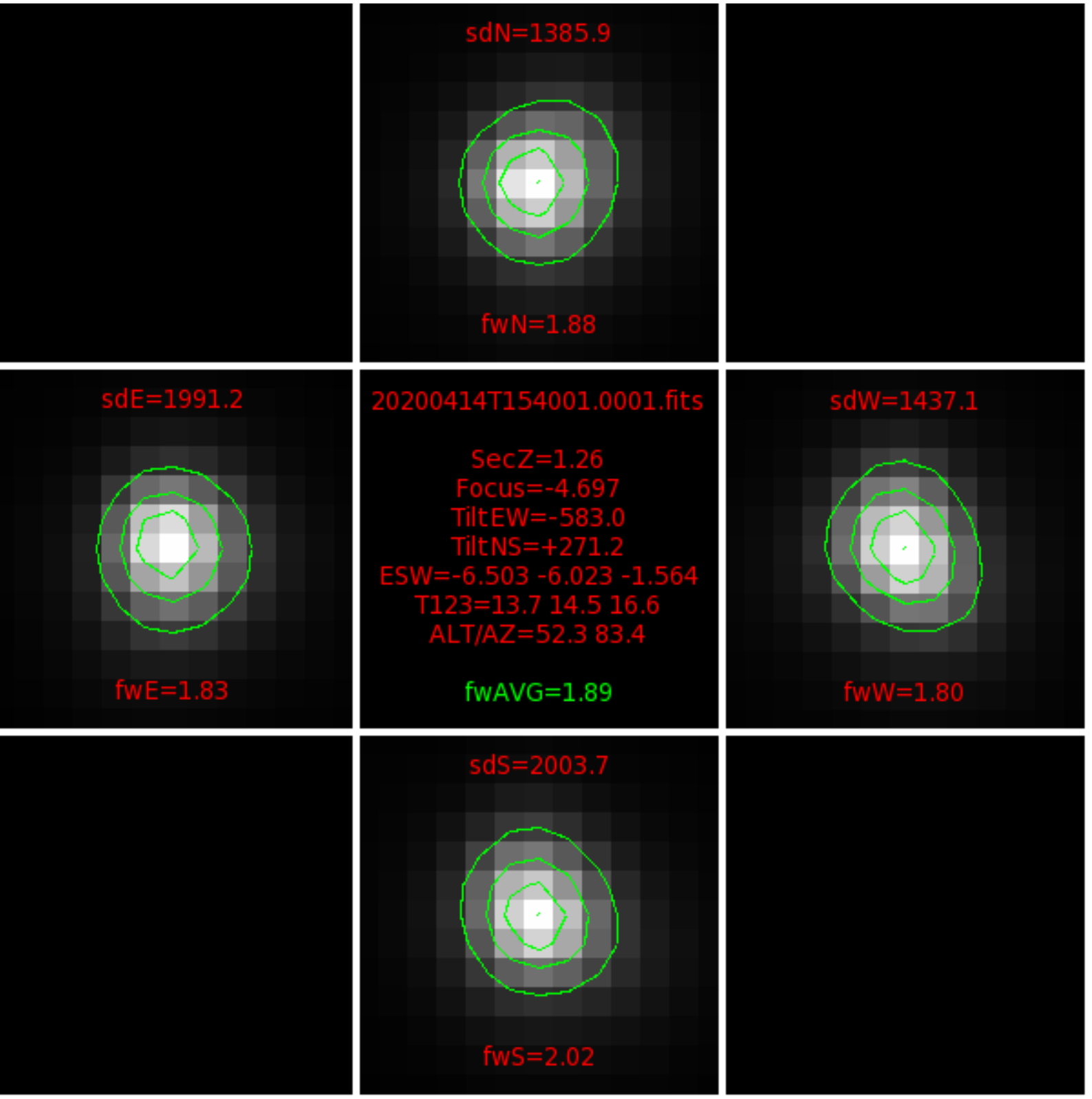
sdN=1385.9
fwN=1.88
sdE=1991.2
fwE=1.83
20200414T154001.0001.fits
SecZ=1.26
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.7 14.5 16.6
ALT/AZ=52.3 83.4
fwAVG=1.89
sdW=1437.1
fwW=1.80
sdS=2003.7
fwS=2.02
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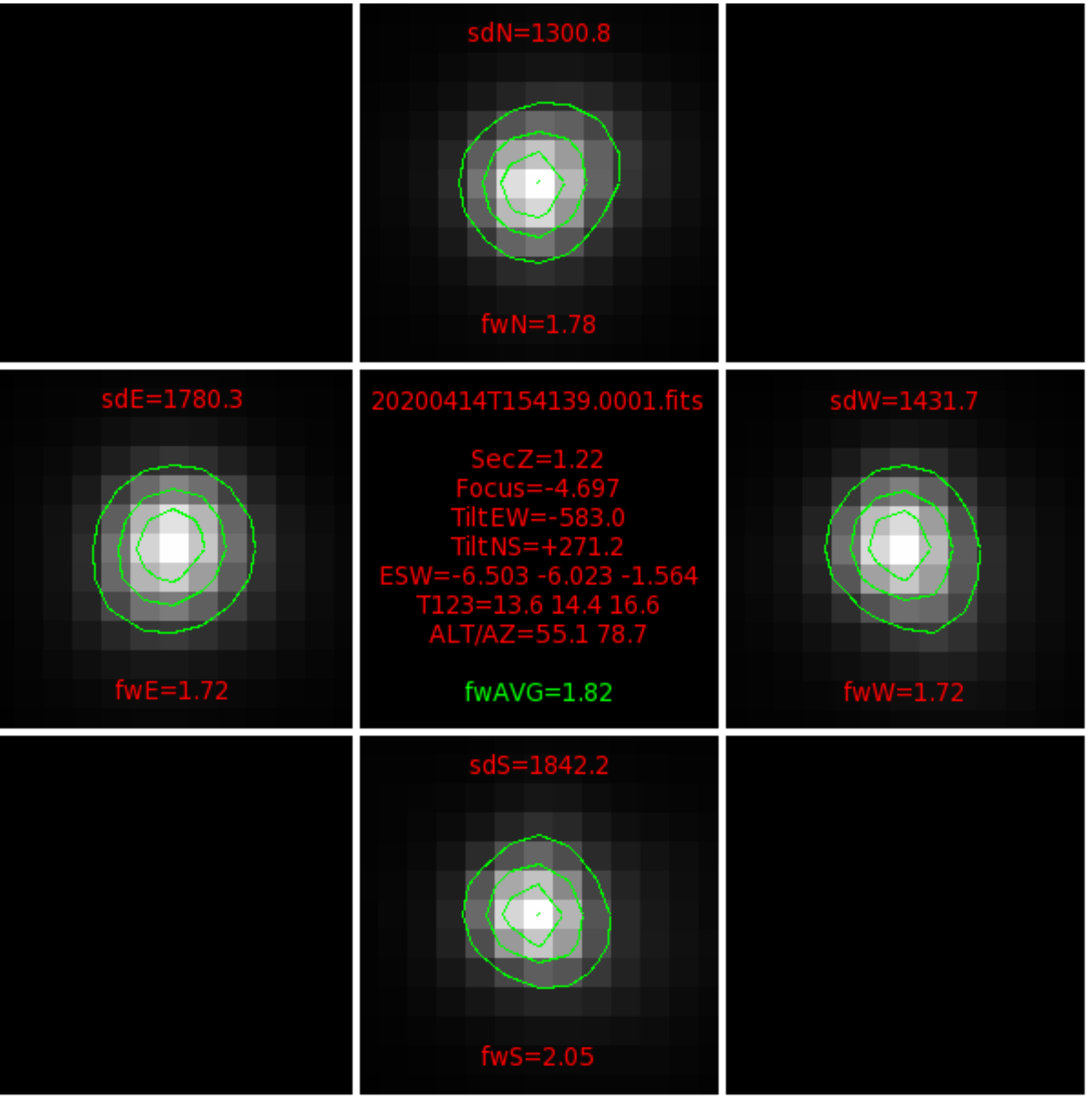
sdN=1300.8
fwN=1.78
sdE=1780.3
fwE=1.72
20200414T154139.0001.fits
SecZ=1.22
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.6 14.4 16.6
ALT/AZ=55.1 78.7
fwAVG=1.82
sdW=1431.7
fwW=1.72
sdS=1842.2
fwS=2.05
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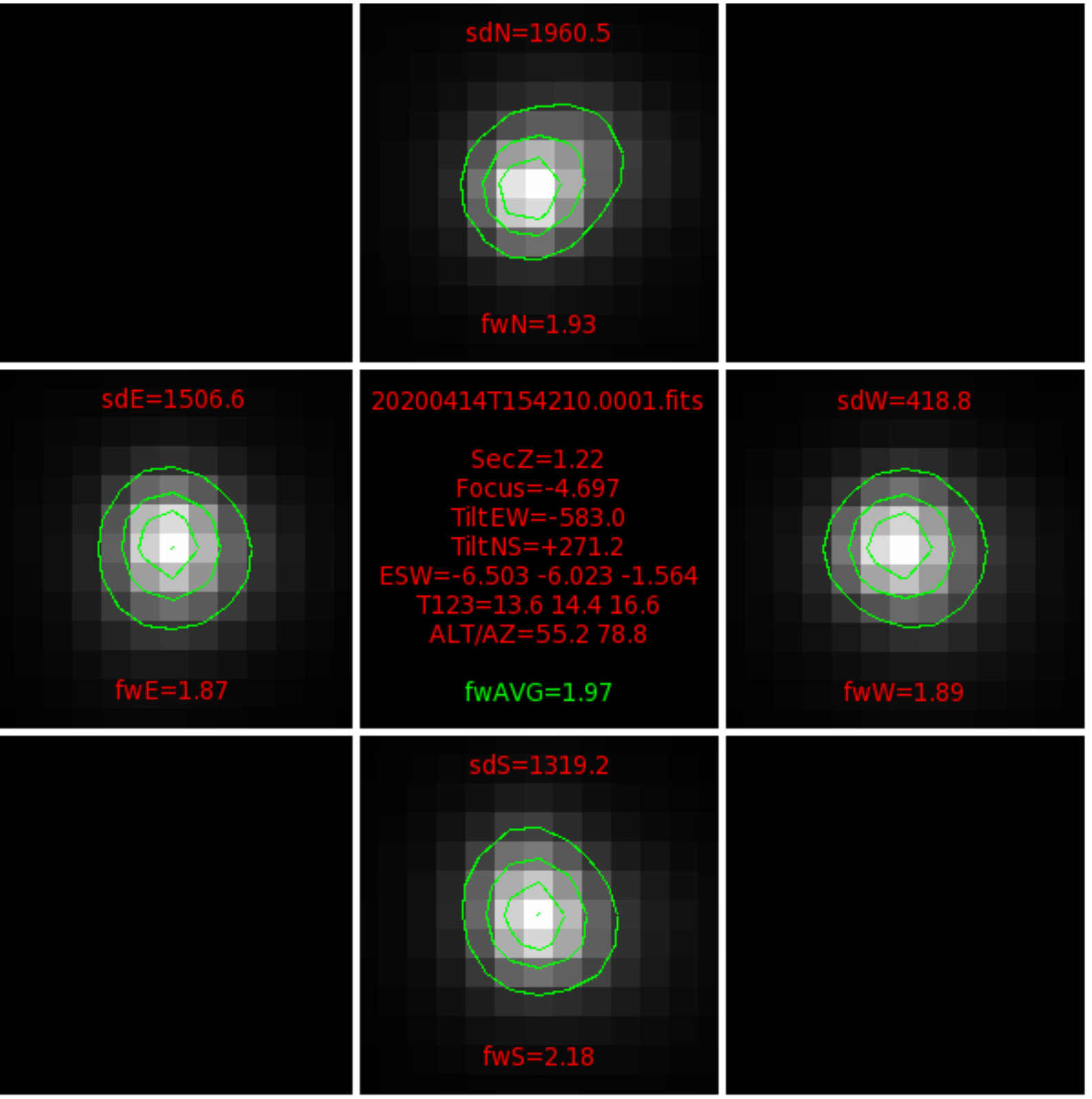
sdN=1960.5
fwN=1.93
sdE=1506.6
fwE=1.87
20200414T154210.0001.fits
SecZ=1.22
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.6 14.4 16.6
ALT/AZ=55.2 78.8
fwAVG=1.97
sdW=418.8
fwW=1.89
sdS=1319.2
fwS=2.18
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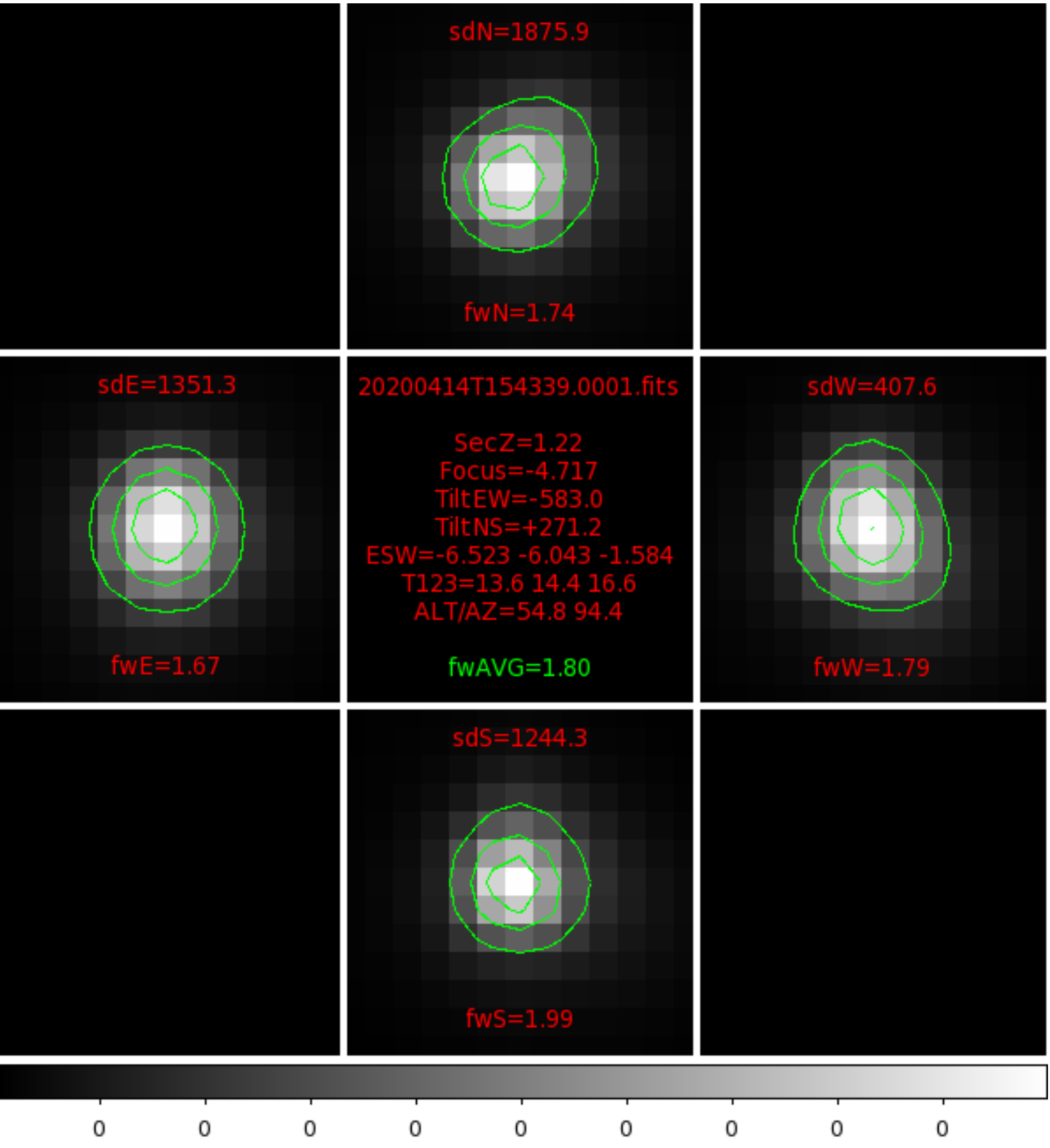
sdN=1875.9
fwN=1.74
sdE=1351.3
fwE=1.67
20200414T154339.0001.fits
SecZ=1.22
Focus=-4.717
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.523 -6.043 -1.584
T123=13.6 14.4 16.6
ALT/AZ=54.8 94.4
fwAVG=1.80
sdW=407.6
fwW=1.79
sdS=1244.3
fwS=1.99
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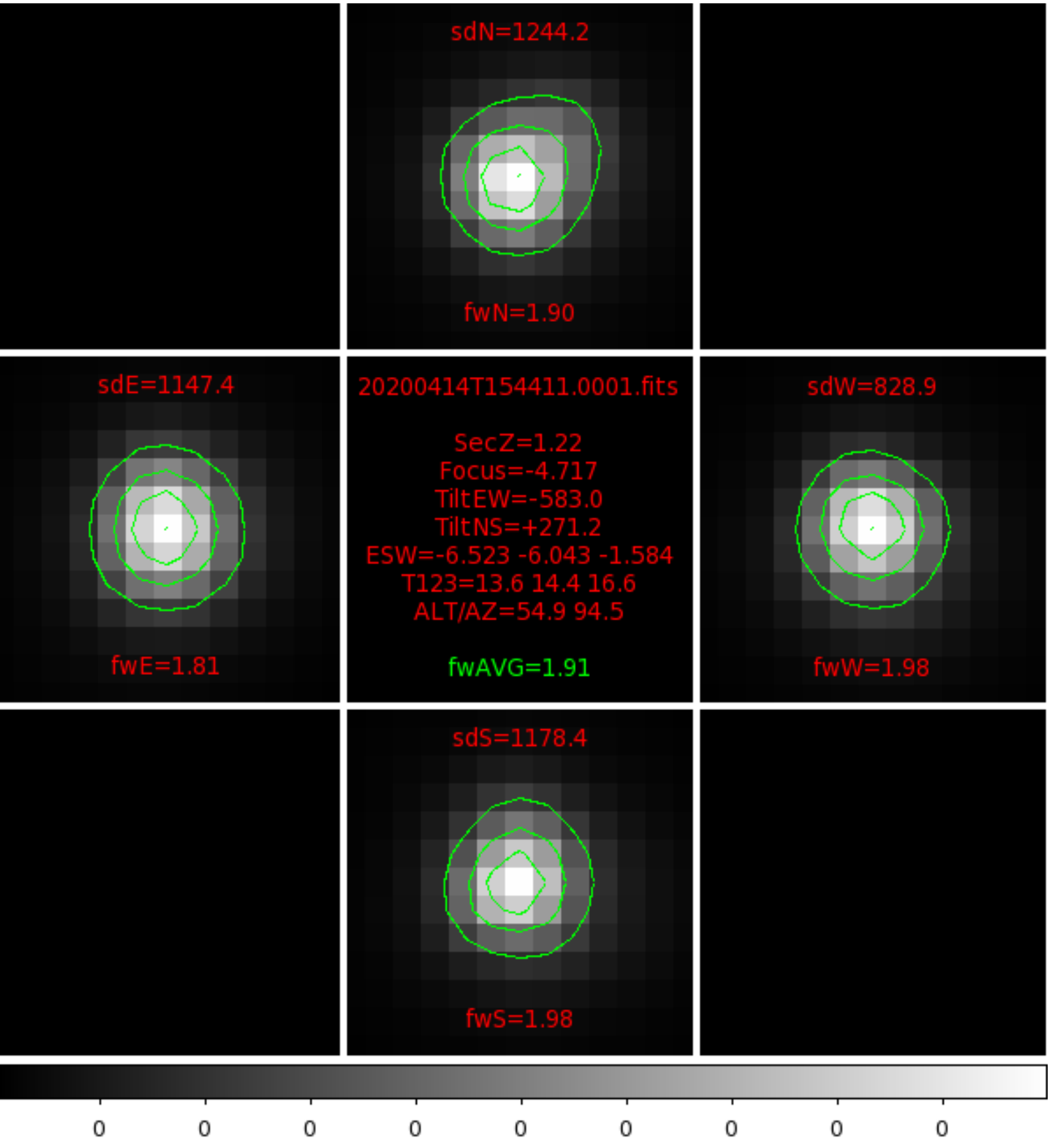
sdN=1244.2
fwN=1.90
sdE=1147.4
fwE=1.81
20200414T154411.0001.fits
SecZ=1.22
Focus=-4.717
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.523 -6.043 -1.584
T123=13.6 14.4 16.6
ALT/AZ=54.9 94.5
fwAVG=1.91
sdW=828.9
fwW=1.98
sdS=1178.4
fwS=1.98
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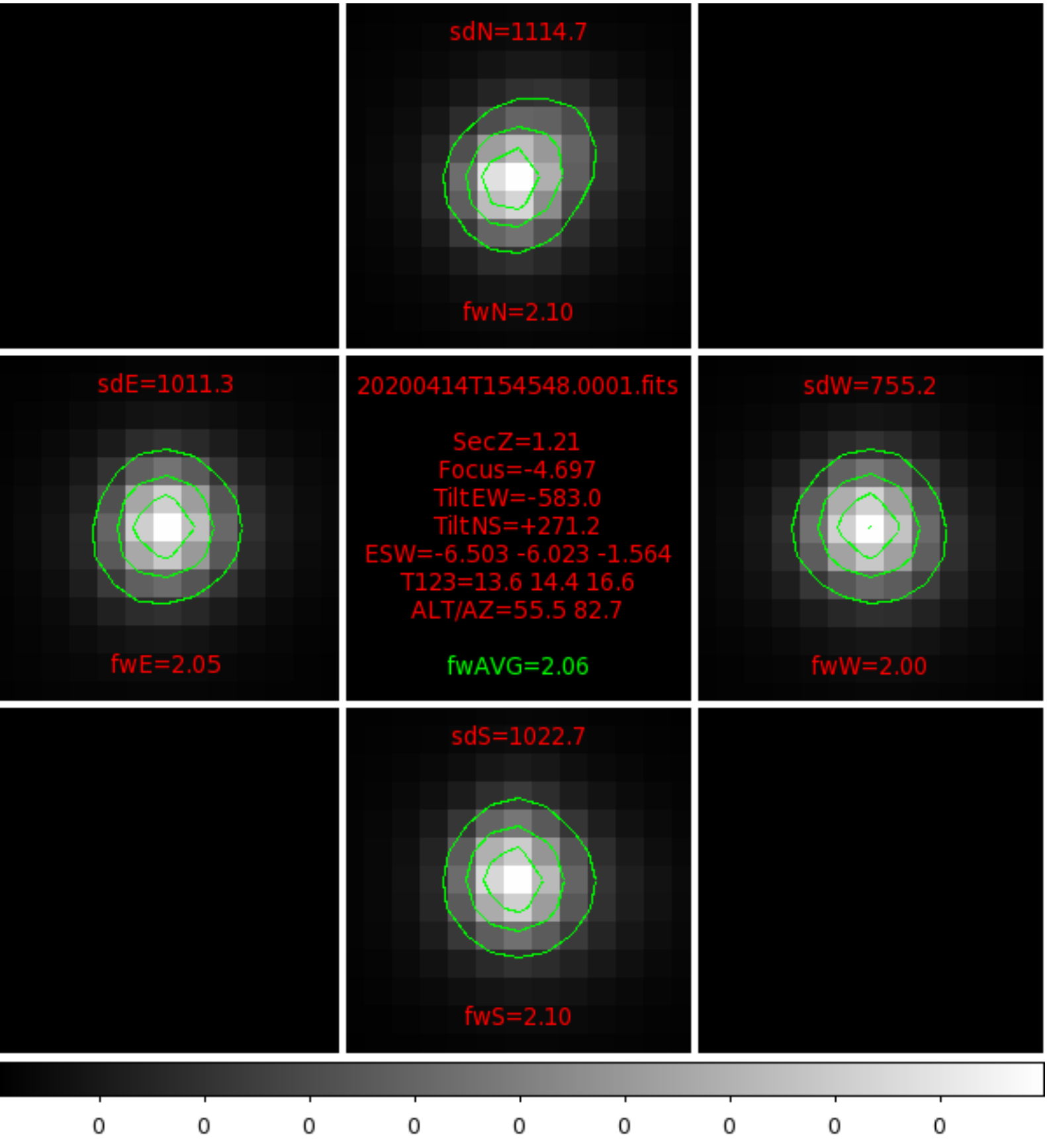
sdN=1114.7
fwN=2.10
sdE=1011.3
fwE=2.05
20200414T154548.0001.fits
SecZ=1.21
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.6 14.4 16.6
ALT/AZ=55.5 82.7
fwAVG=2.06
sdW=755.2
fwW=2.00
sdS=1022.7
fwS=2.10
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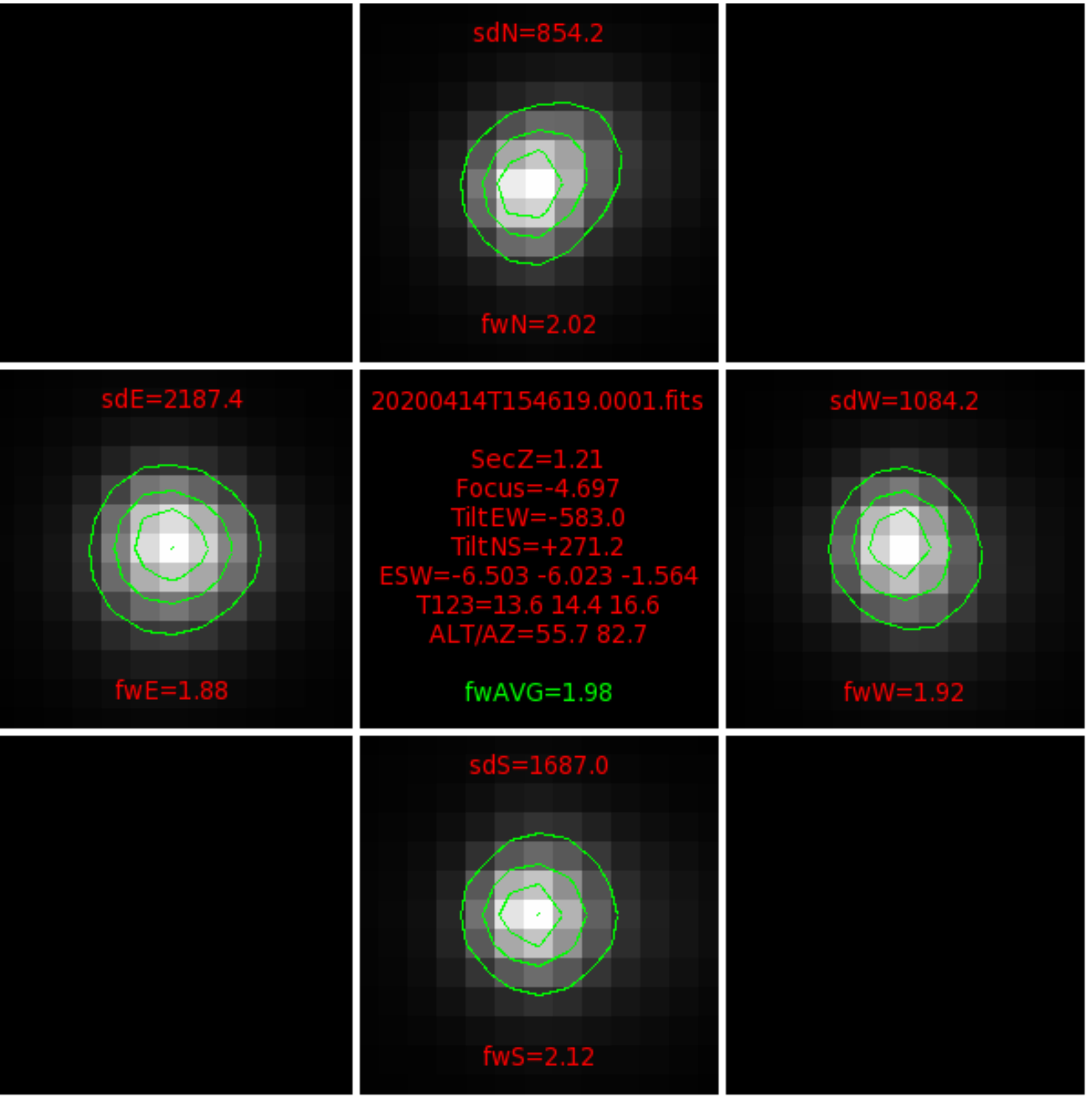
sdN=854.2
fwN=2.02
sdE=2187.4
fwE=1.88
20200414T154619.0001.fits
SecZ=1.21
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.6 14.4 16.6
ALT/AZ=55.7 82.7
fwAVG=1.98
sdW=1084.2
fwW=1.92
sdS=1687.0
fwS=2.12
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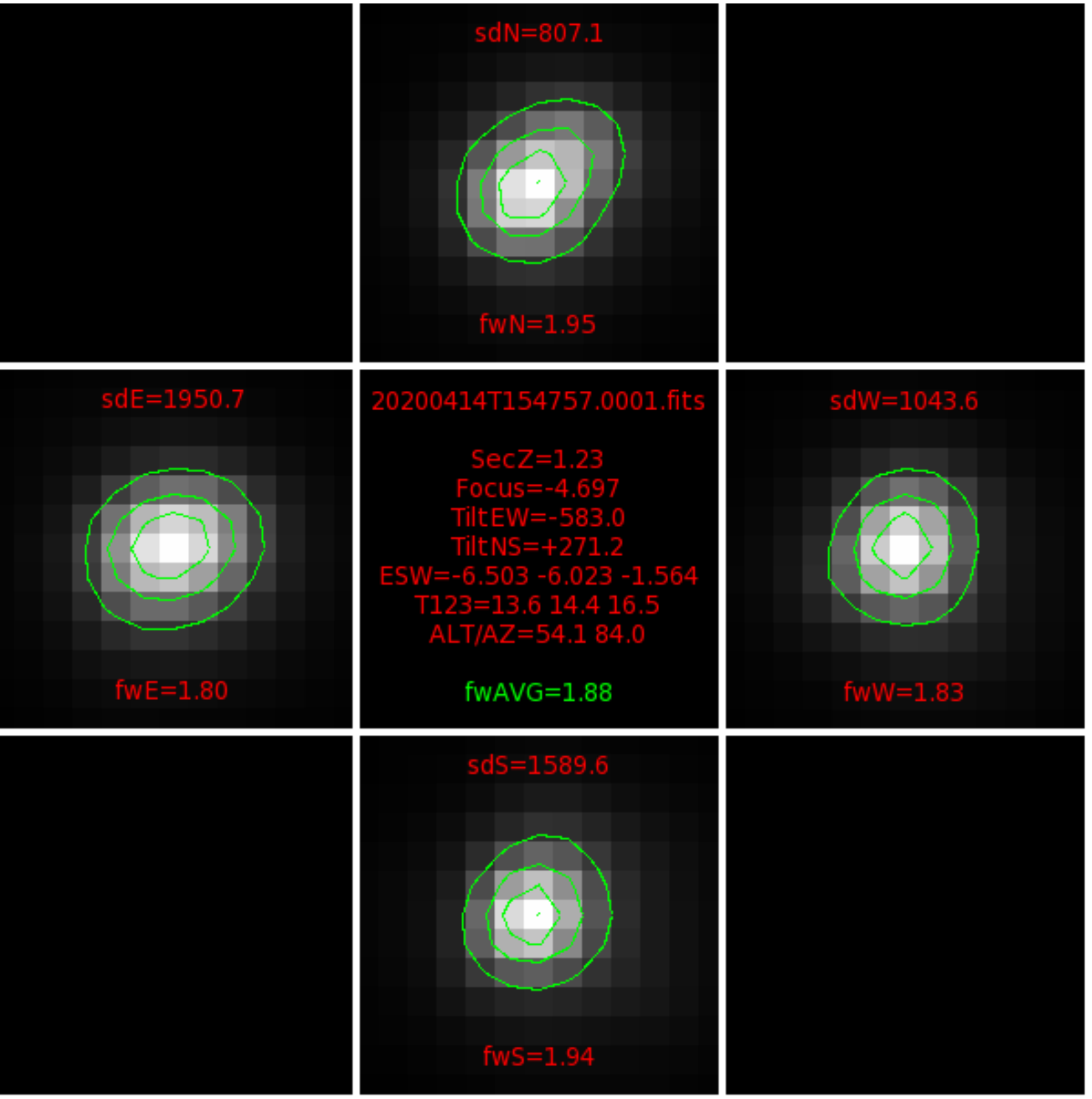
sdN=807.1
fwN=1.95
sdE=1950.7
fwE=1.80
20200414T154757.0001.fits
SecZ=1.23
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.6 14.4 16.5
ALT/AZ=54.1 84.0
fwAVG=1.88
sdW=1043.6
fwW=1.83
sdS=1589.6
fwS=1.94
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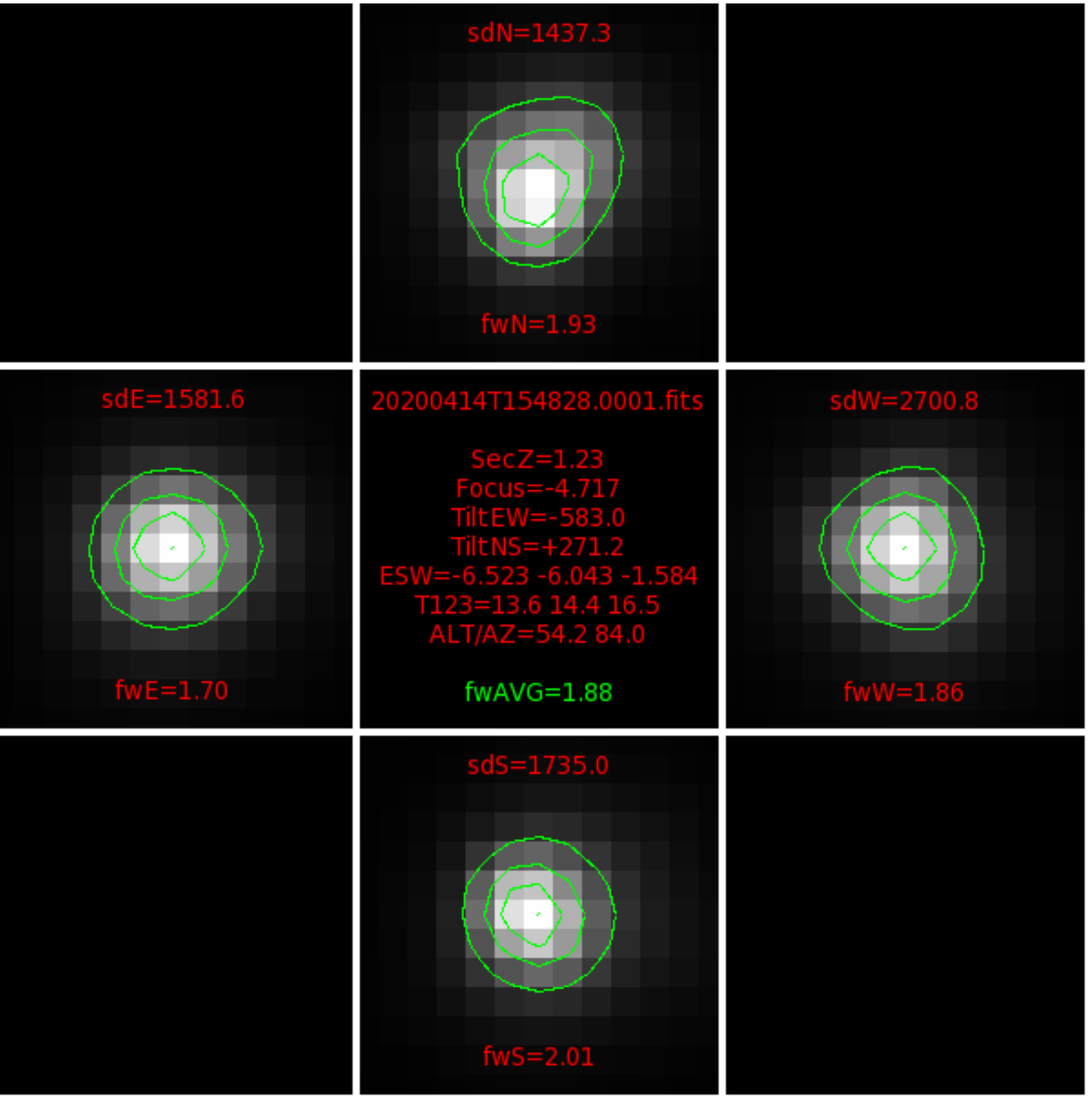
sdN=1437.3
fwN=1.93
sdE=1581.6
fwE=1.70
20200414T154828.0001.fits
SecZ=1.23
Focus=-4.717
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.523 -6.043 -1.584
T123=13.6 14.4 16.5
ALT/AZ=54.2 84.0
fwAVG=1.88
sdW=2700.8
fwW=1.86
sdS=1735.0
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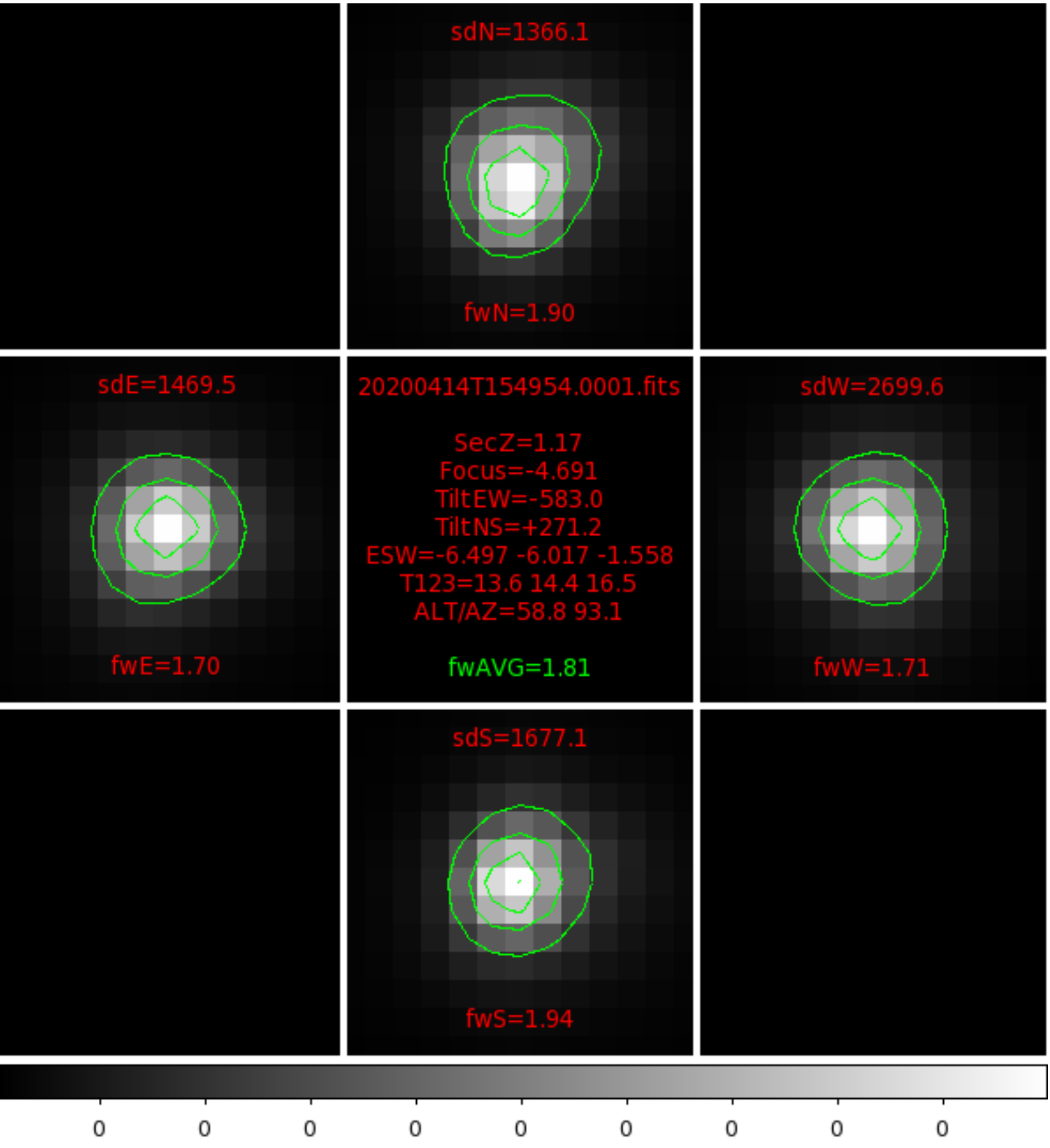
sdN=1366.1
fwN=1.90
sdE=1469.5
fwE=1.70
20200414T154954.0001.fits
SecZ=1.17
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.6 14.4 16.5
ALT/AZ=58.8 93.1
fwAVG=1.81
sdW=2699.6
fwW=1.71
sdS=1677.1
fwS=1.94
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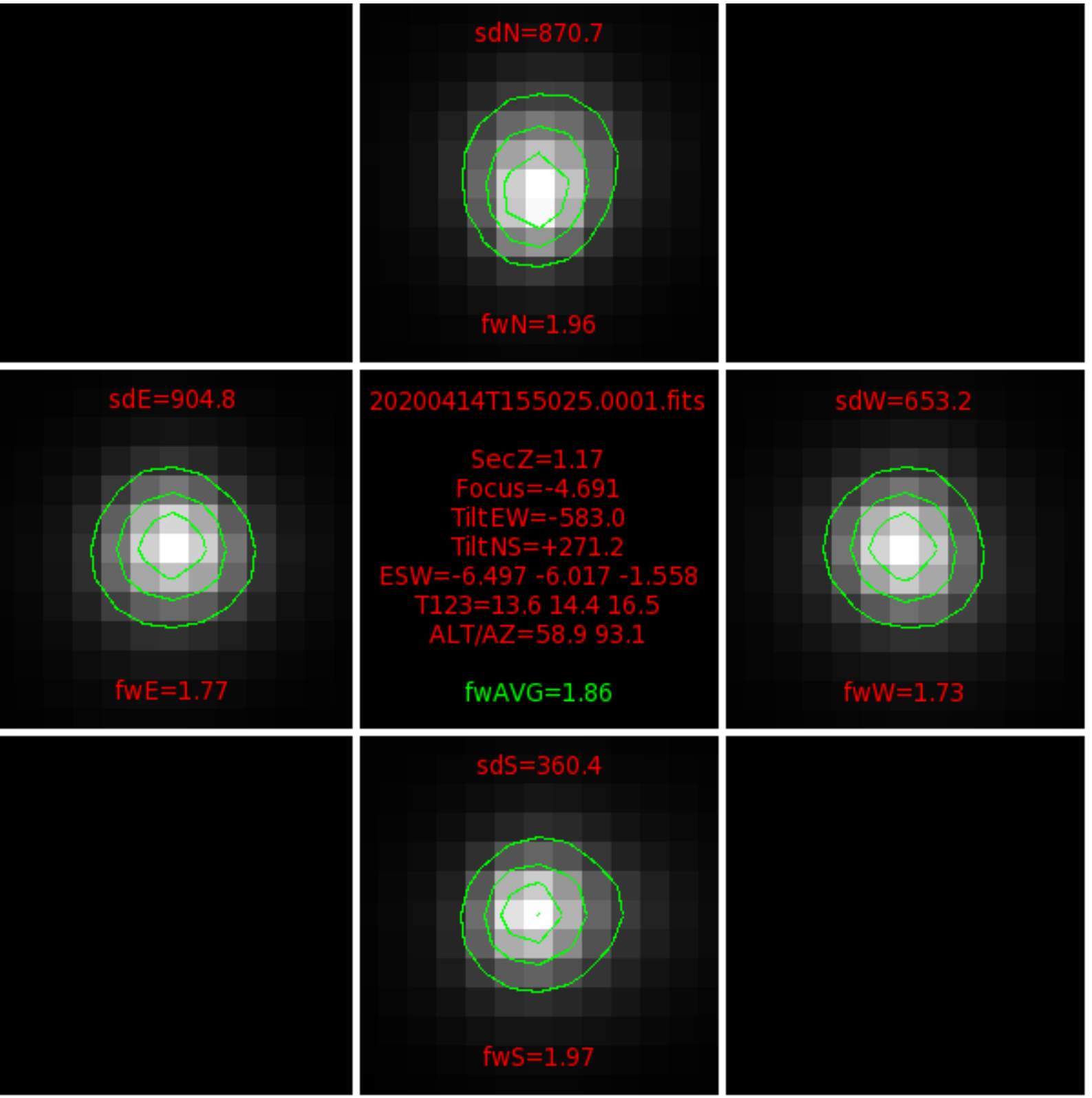
sdN=870.7
fwN=1.96
sdE=904.8
fwE=1.77
20200414T155025.0001.fits
SecZ=1.17
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.6 14.4 16.5
ALT/AZ=58.9 93.1
fwAVG=1.86
sdW=653.2
fwW=1.73
sdS=360.4
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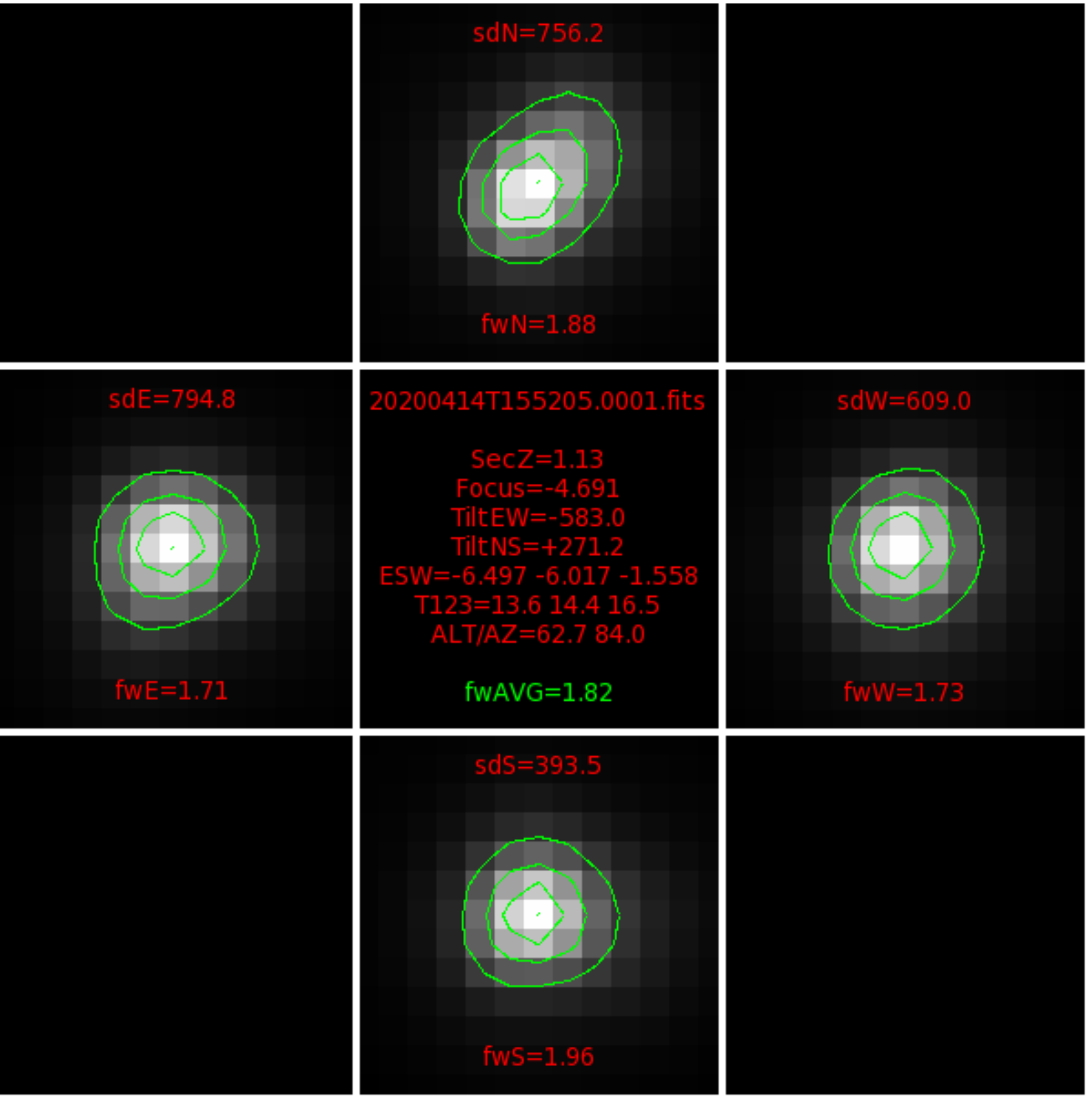
sdN=756.2
fwN=1.88
sdE=794.8
fwE=1.71
20200414T155205.0001.fits
SecZ=1.13
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.6 14.4 16.5
ALT/AZ=62.7 84.0
fwAVG=1.82
sdW=609.0
fwW=1.73
sdS=393.5
fwS=1.96
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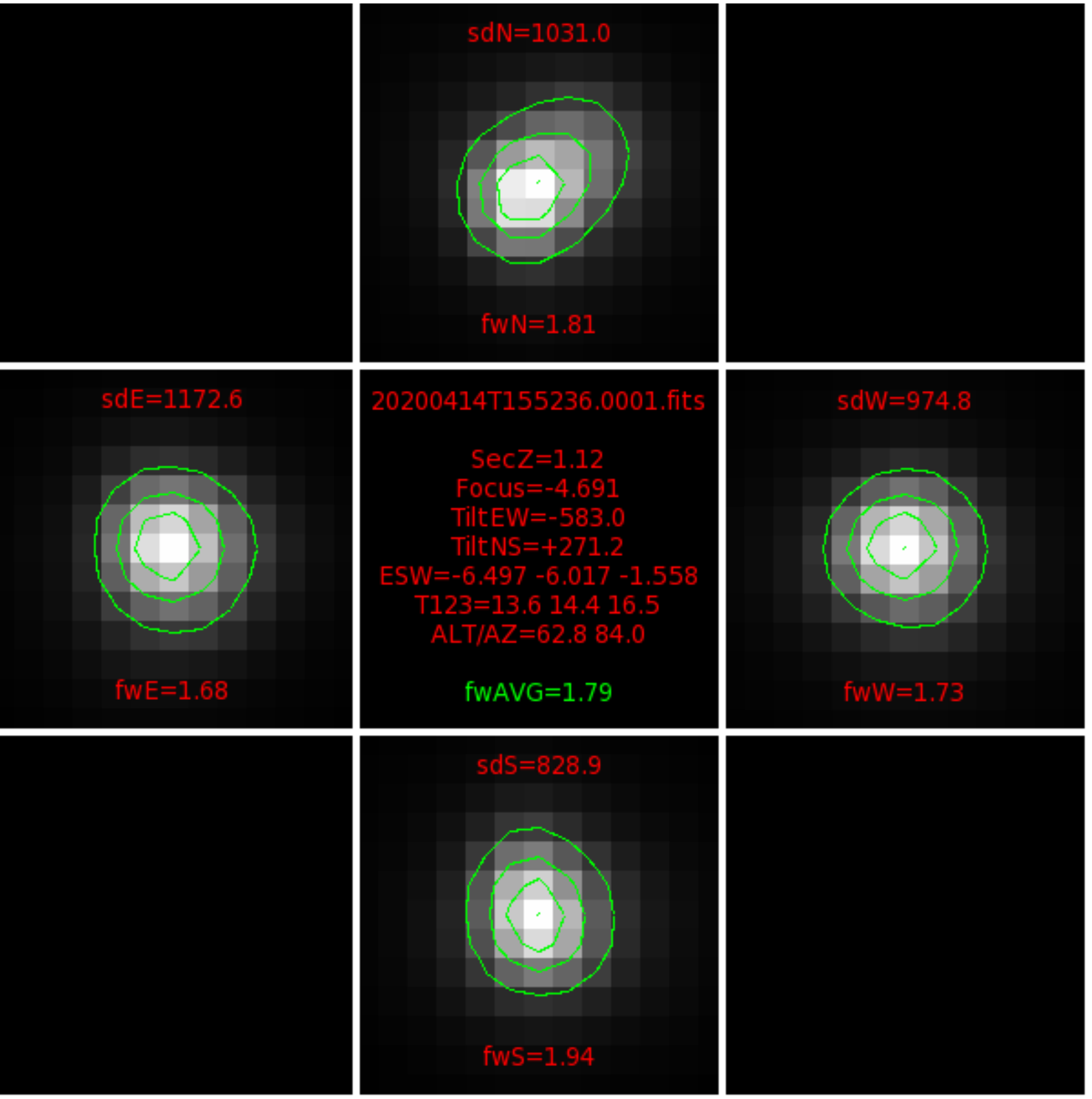
sdN=1031.0
fwN=1.81
sdE=1172.6
fwE=1.68
20200414T155236.0001.fits
SecZ=1.12
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.6 14.4 16.5
ALT/AZ=62.8 84.0
fwAVG=1.79
sdW=974.8
fwW=1.73
sdS=828.9
fwS=1.94
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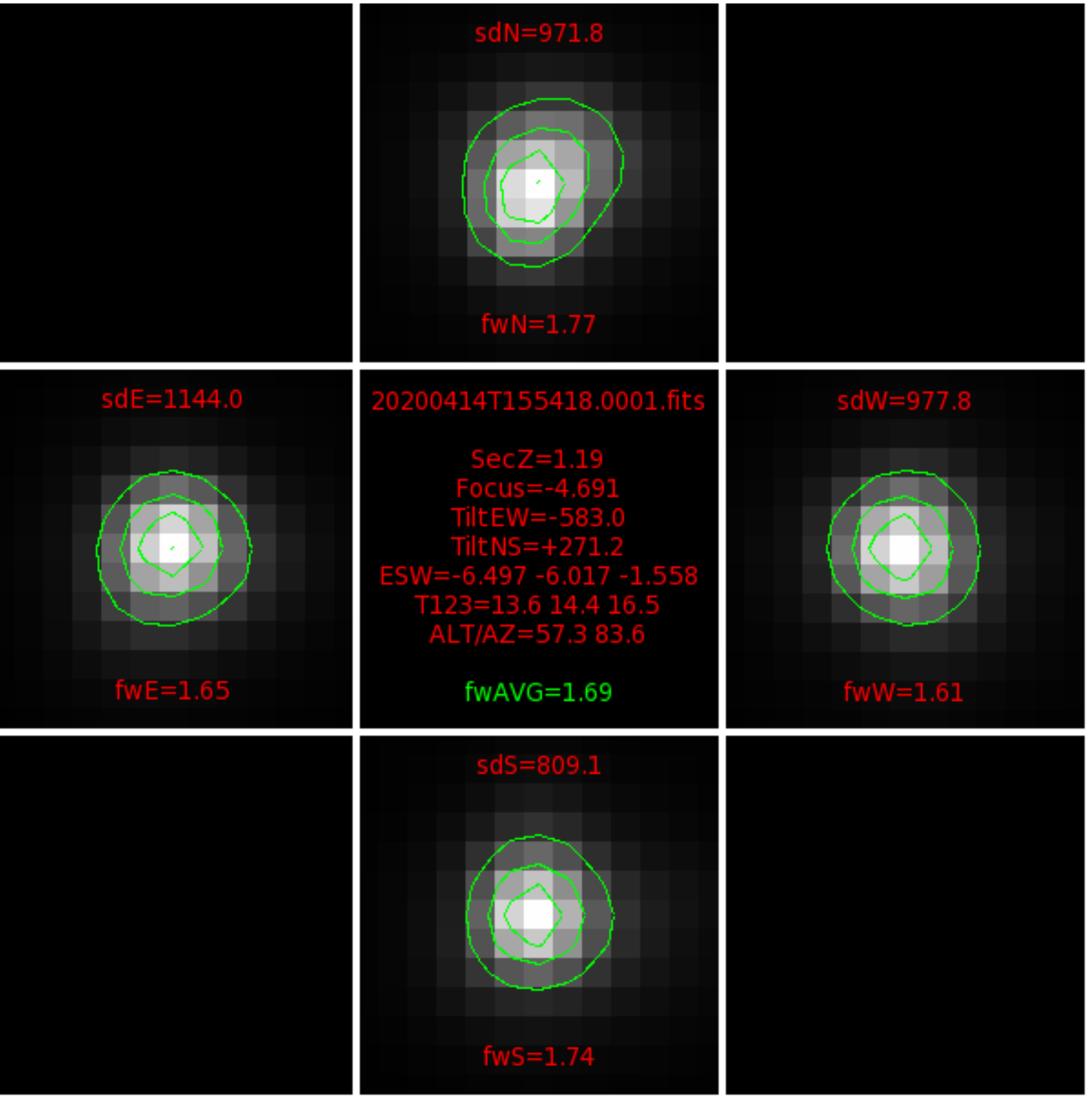
sdN=971.8
fwN=1.77
sdE=1144.0
fwE=1.65
20200414T155418.0001.fits
SecZ=1.19
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.6 14.4 16.5
ALT/AZ=57.3 83.6
fwAVG=1.69
sdW=977.8
fwW=1.61
sdS=809.1
fwS=1.74
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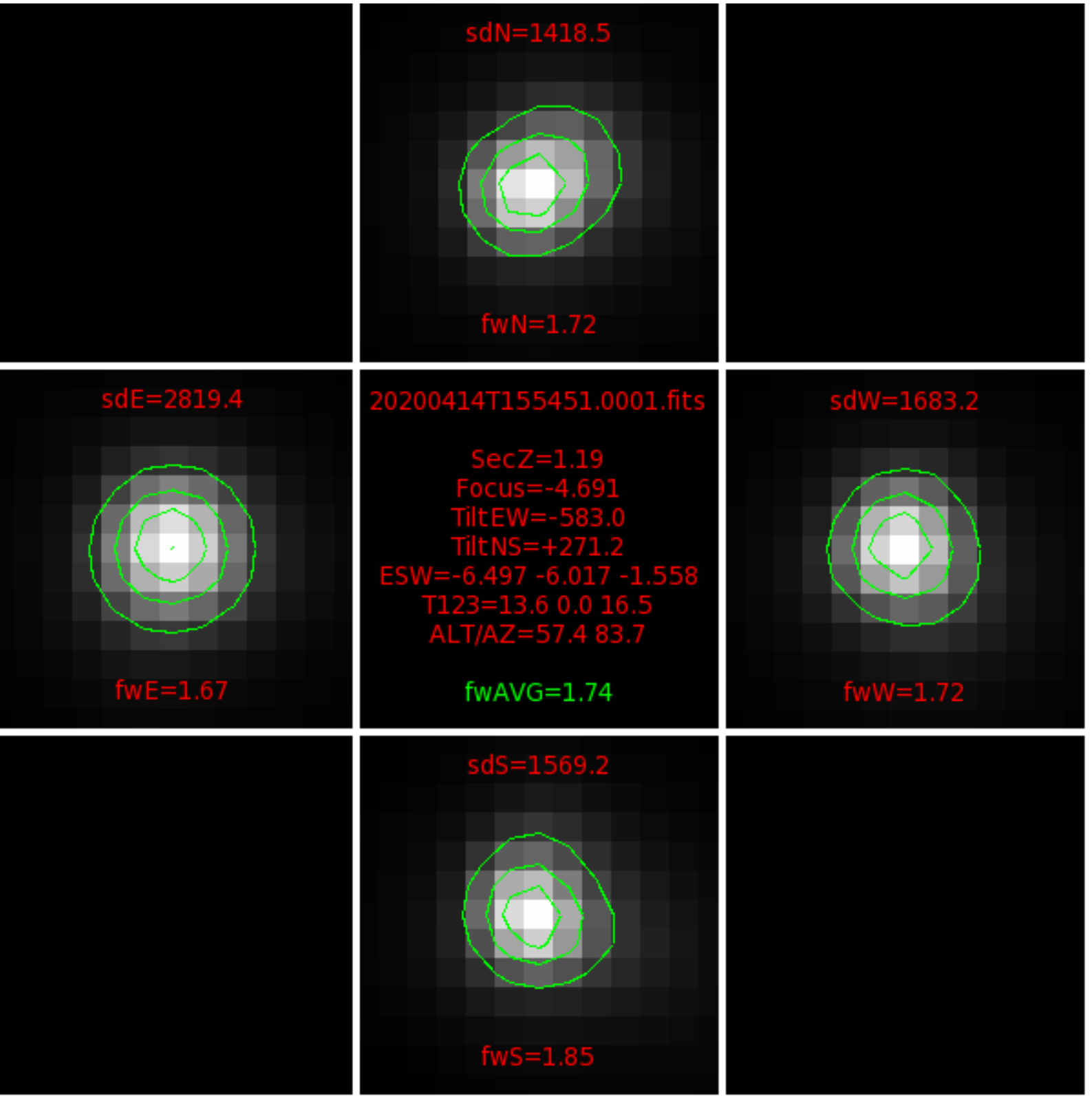
sdN=1418.5
fwN=1.72
sdE=2819.4
fwE=1.67
20200414T155451.0001.fits
SecZ=1.19
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.6 0.0 16.5
ALT/AZ=57.4 83.7
fwAVG=1.74
sdW=1683.2
fwW=1.72
sdS=1569.2
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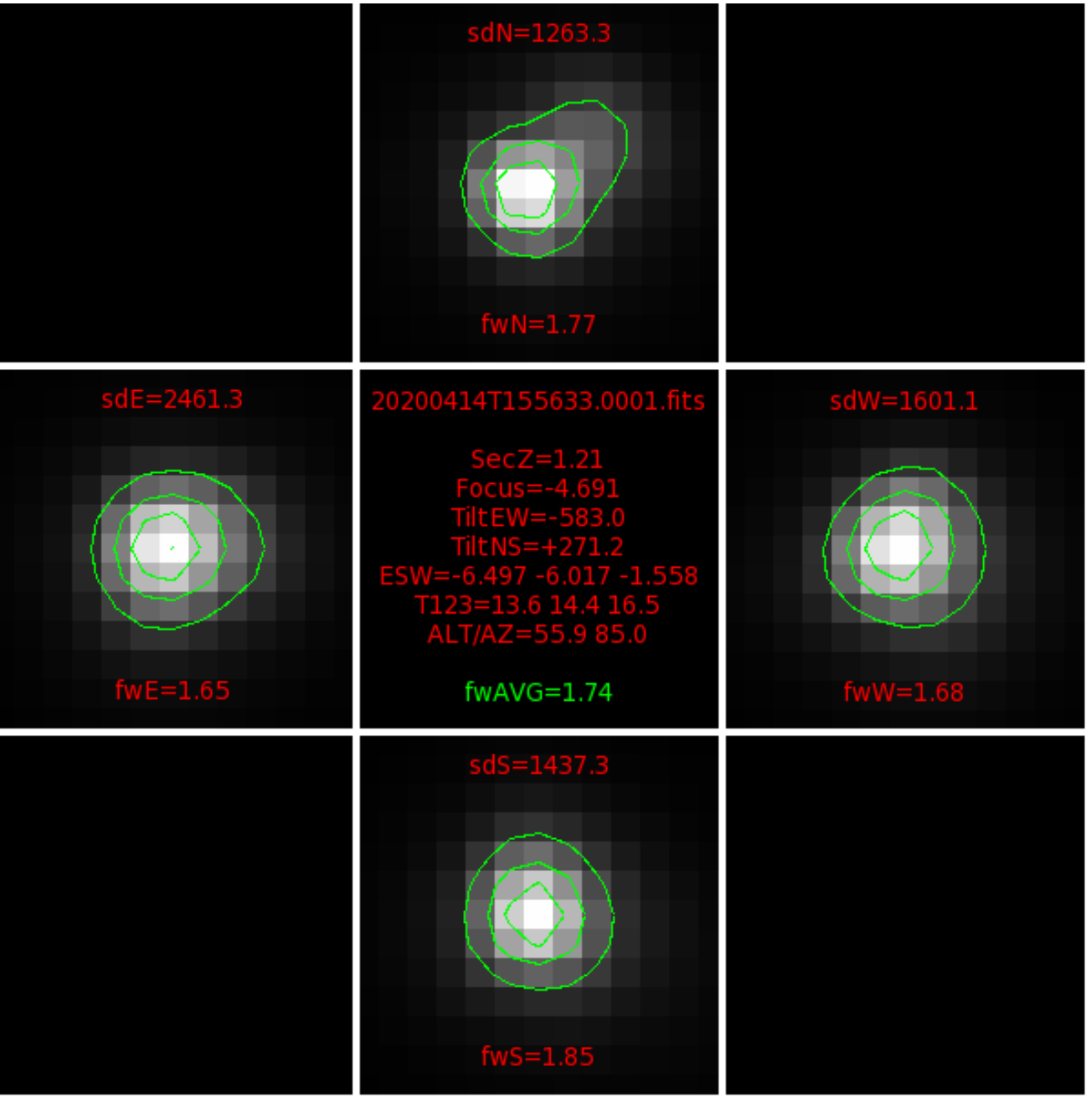
sdN=1263.3
fwN=1.77
sdE=2461.3
fwE=1.65
20200414T155633.0001.fits
SecZ=1.21
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.6 14.4 16.5
ALT/AZ=55.9 85.0
fwAVG=1.74
sdW=1601.1
fwW=1.68
sdS=1437.3
fwS=1.85
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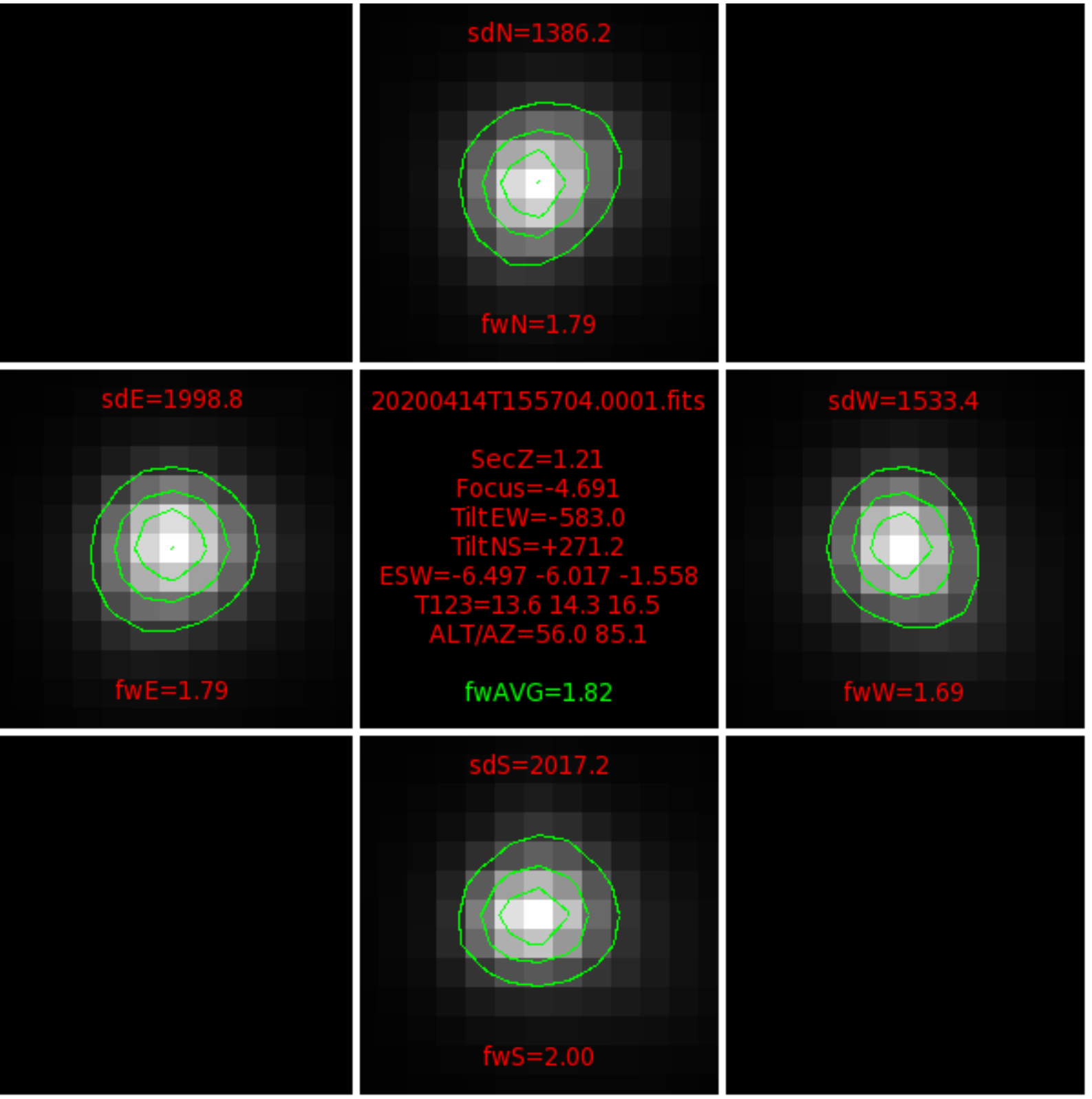
sdN=1386.2
fwN=1.79
sdE=1998.8
fwE=1.79
20200414T155704.0001.fits
SecZ=1.21
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.6 14.3 16.5
ALT/AZ=56.0 85.1
fwAVG=1.82
sdW=1533.4
fwW=1.69
sdS=2017.2
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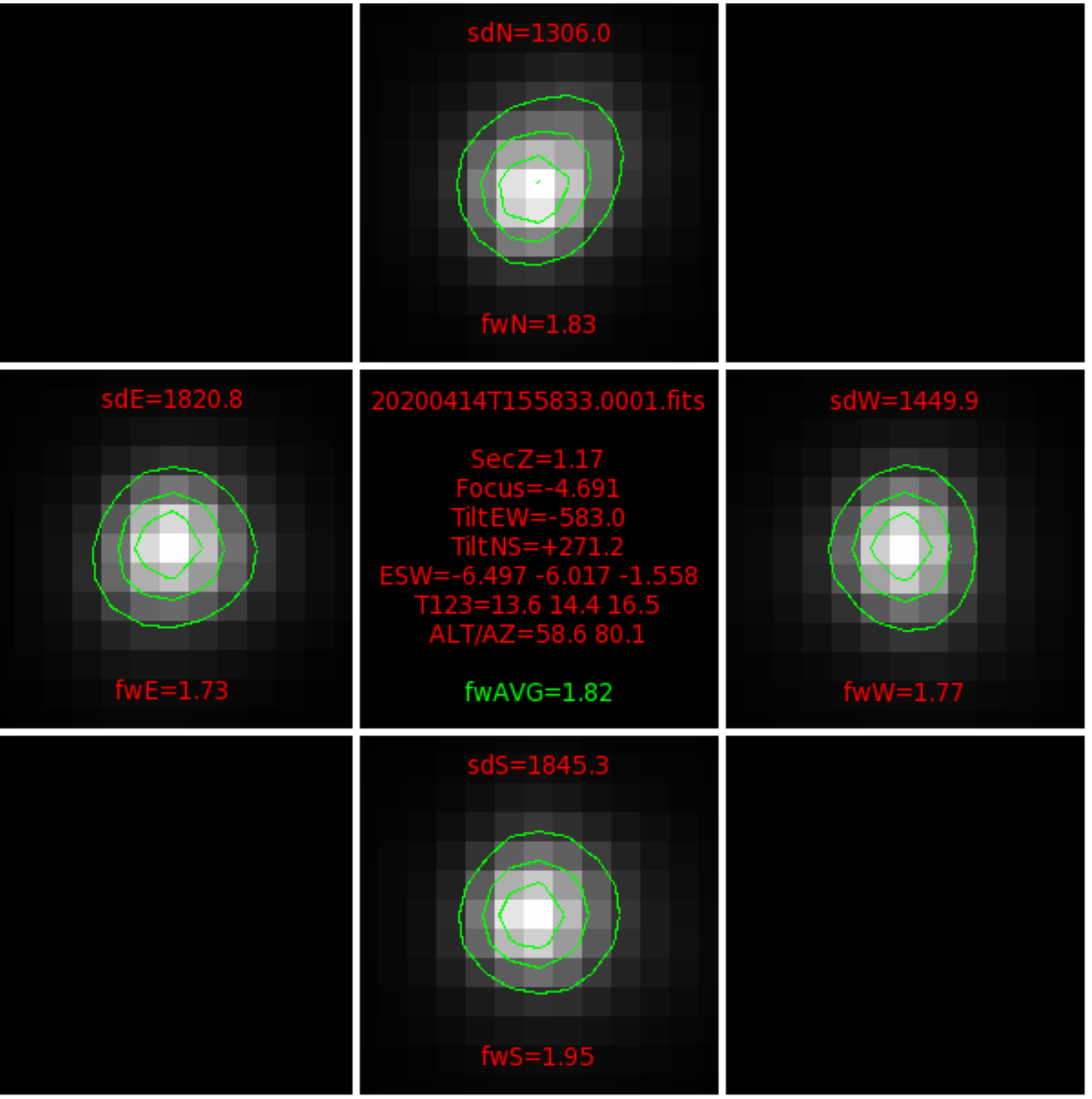
sdN=1306.0
fwN=1.83
sdE=1820.8
fwE=1.73
20200414T155833.0001.fits
SecZ=1.17
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.6 14.4 16.5
ALT/AZ=58.6 80.1
fwAVG=1.82
sdW=1449.9
fwW=1.77
sdS=1845.3
fwS=1.95
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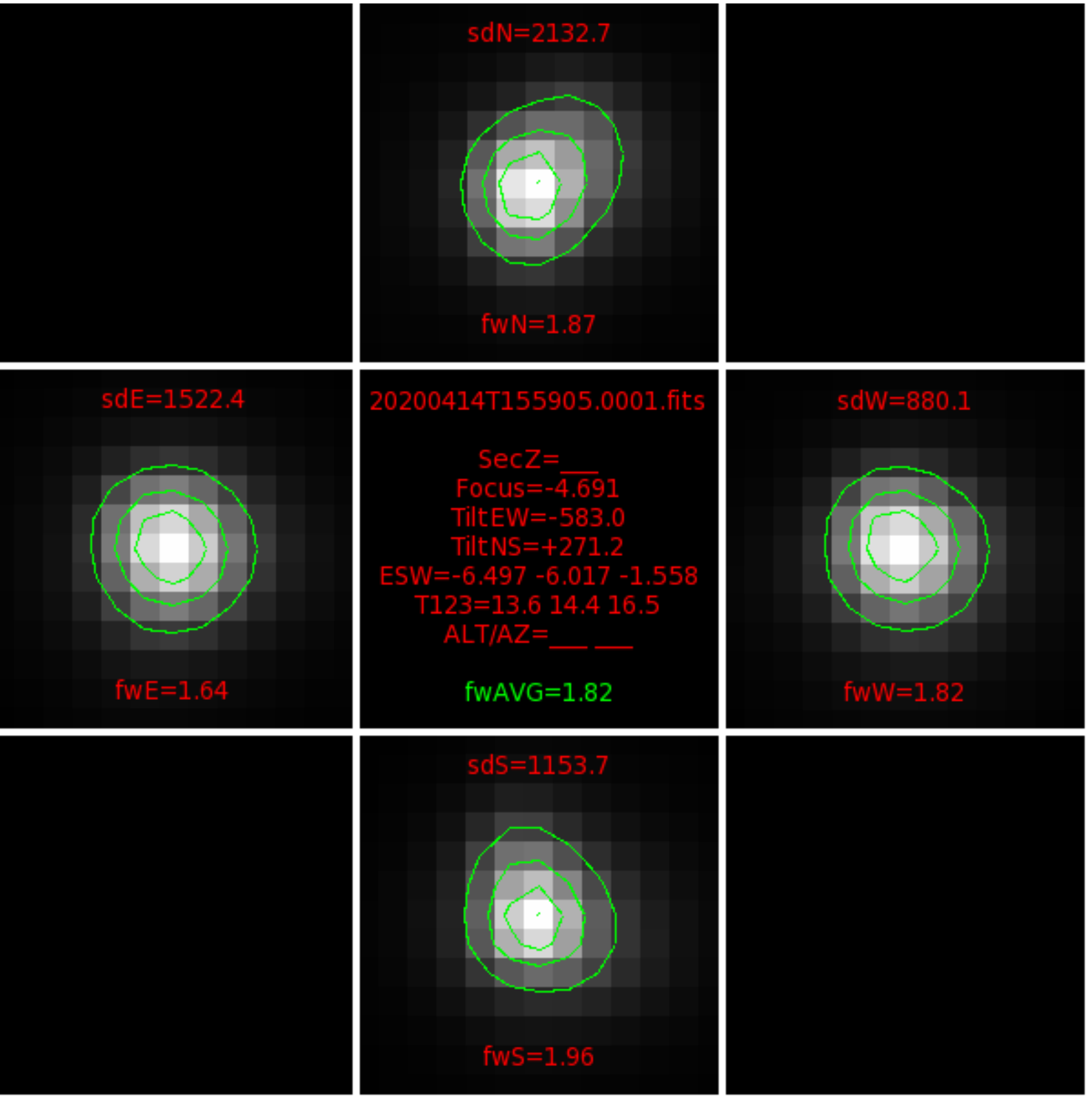
sdN=2132.7
fwN=1.87
sdE=1522.4
fwE=1.64
20200414T155905.0001.fits
SecZ=___
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.6 14.4 16.5
ALT/AZ=___ ___
fwAVG=1.82
sdW=880.1
fwW=1.82
sdS=1153.7
fwS=1.96
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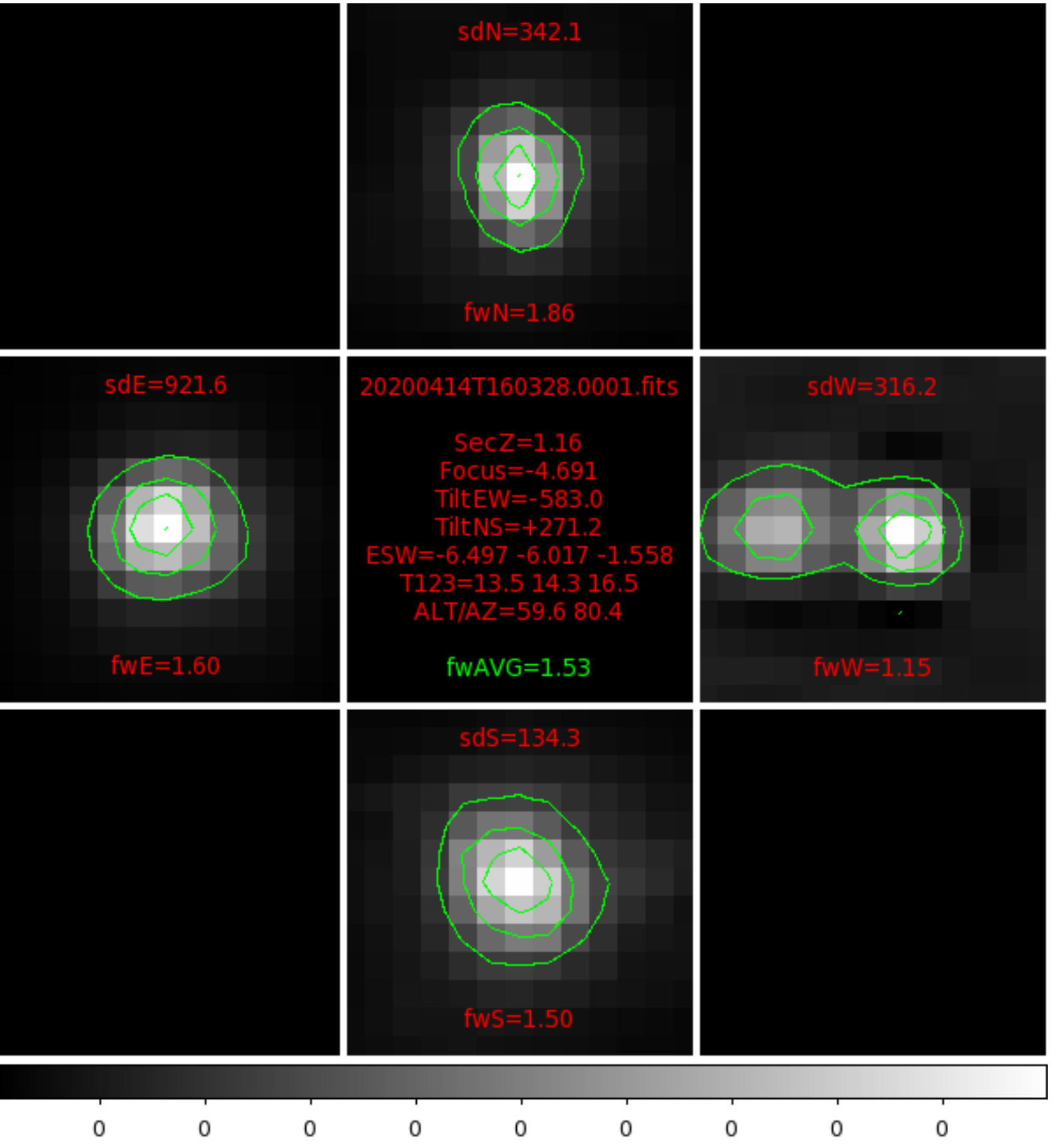
sdN=342.1
fwN=1.86
sdE=921.6
fwE=1.60
20200414T160328.0001.fits
SecZ=1.16
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.5 14.3 16.5
ALT/AZ=59.6 80.4
fwAVG=1.53
sdW=316.2
fwW=1.15
sdS=134.3
fwS=1.50
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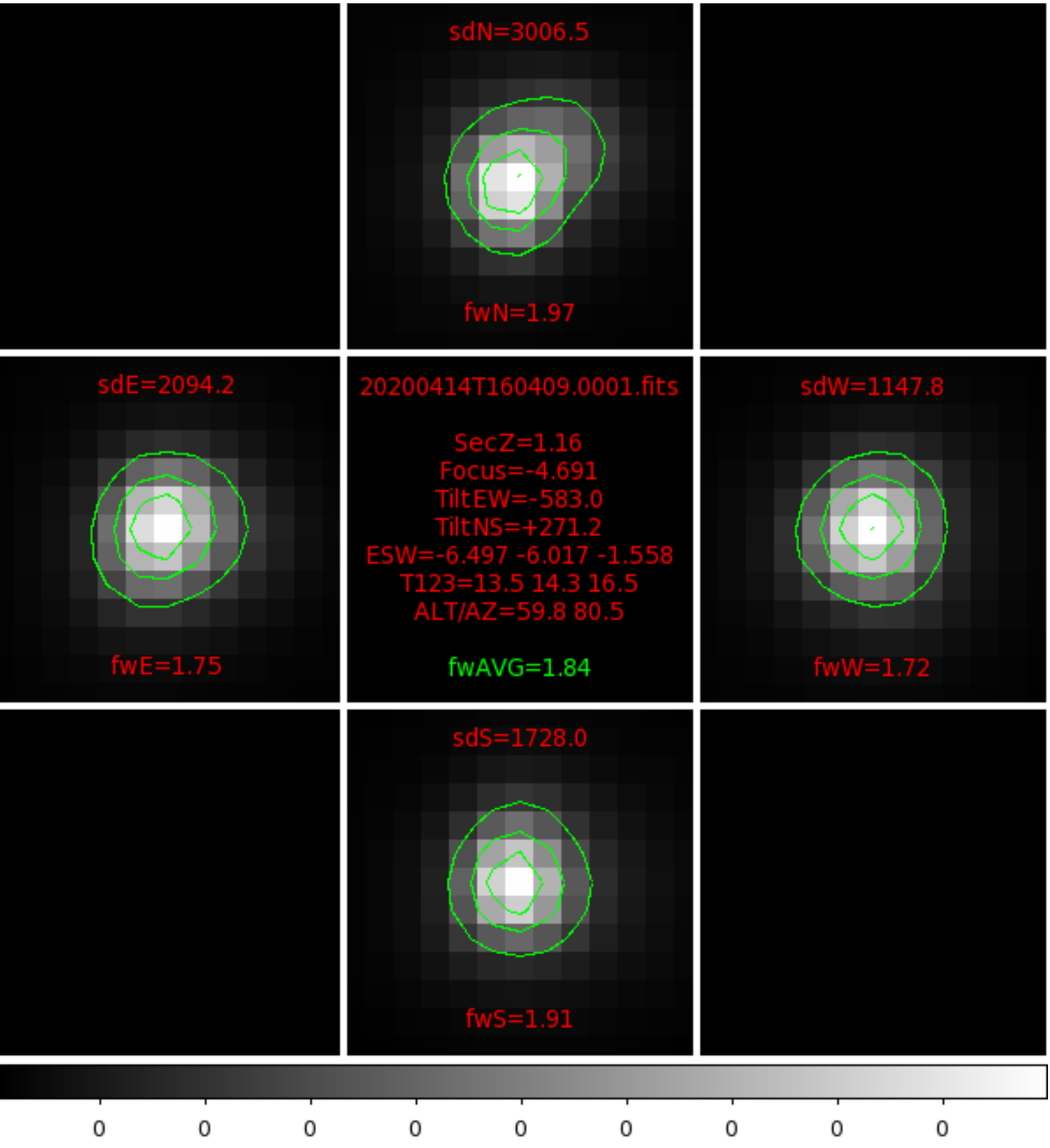
sdN=3006.5
fwN=1.97
sdE=2094.2
fwE=1.75
20200414T160409.0001.fits
SecZ=1.16
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.5 14.3 16.5
ALT/AZ=59.8 80.5
fwAVG=1.84
sdW=1147.8
fwW=1.72
sdS=1728.0
fwS=1.91
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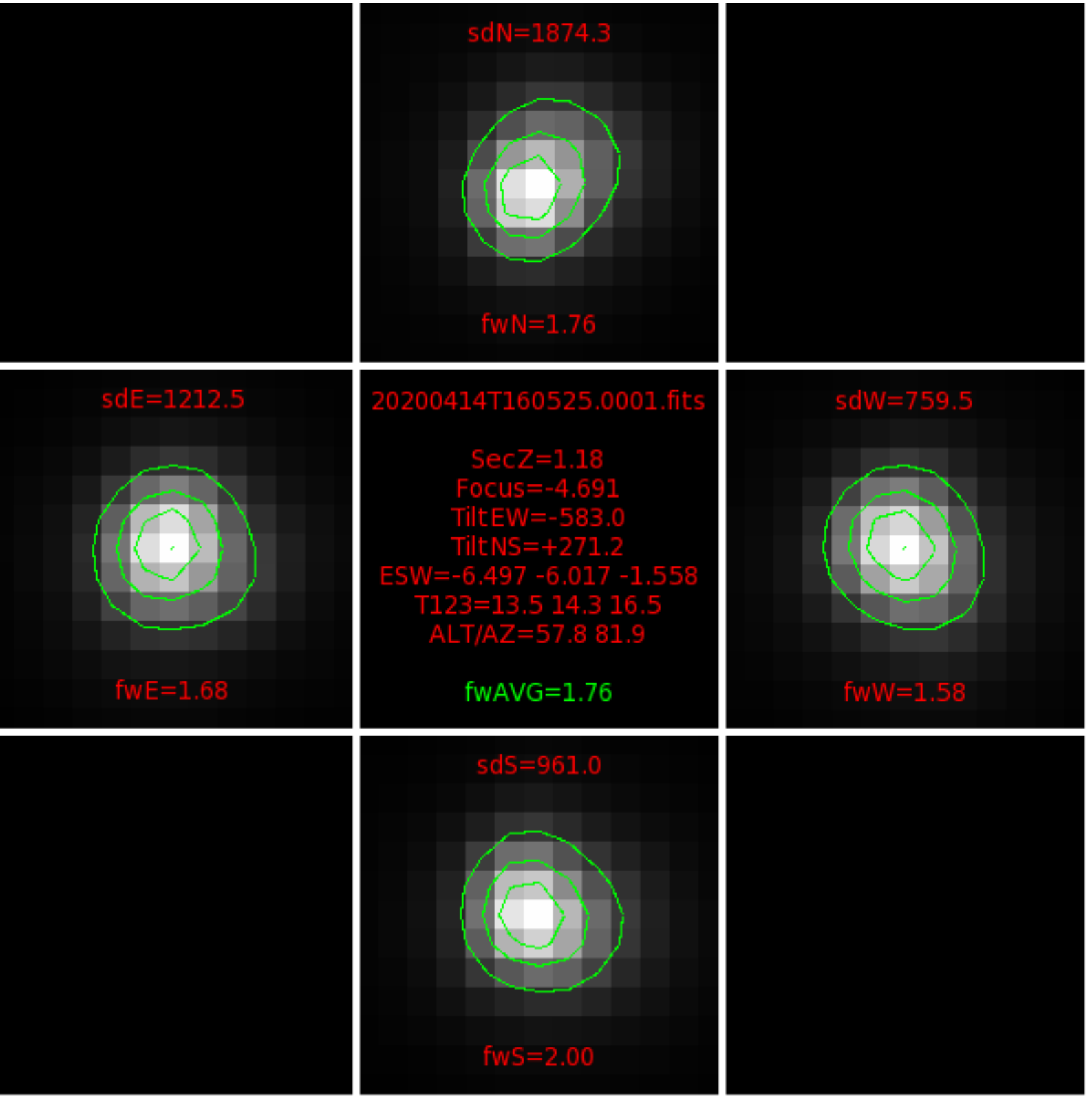
sdN=1874.3
fwN=1.76
sdE=1212.5
fwE=1.68
20200414T160525.0001.fits
SecZ=1.18
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.5 14.3 16.5
ALT/AZ=57.8 81.9
fwAVG=1.76
sdW=759.5
fwW=1.58
sdS=961.0
fwS=2.00
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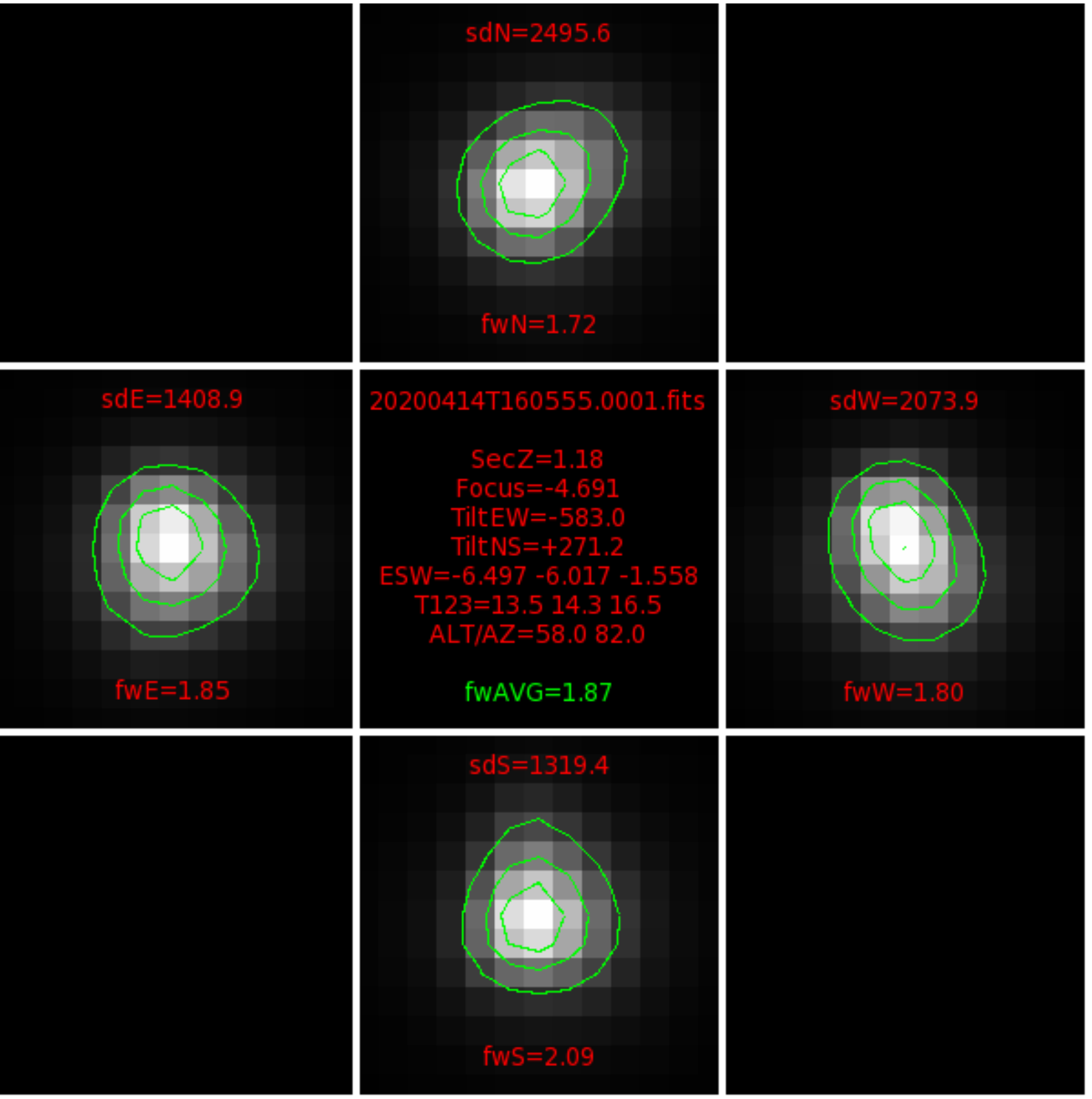
sdN=2495.6
fwN=1.72
sdE=1408.9
fwE=1.85
20200414T160555.0001.fits
SecZ=1.18
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.5 14.3 16.5
ALT/AZ=58.0 82.0
fwAVG=1.87
sdW=2073.9
fwW=1.80
sdS=1319.4
fwS=2.09
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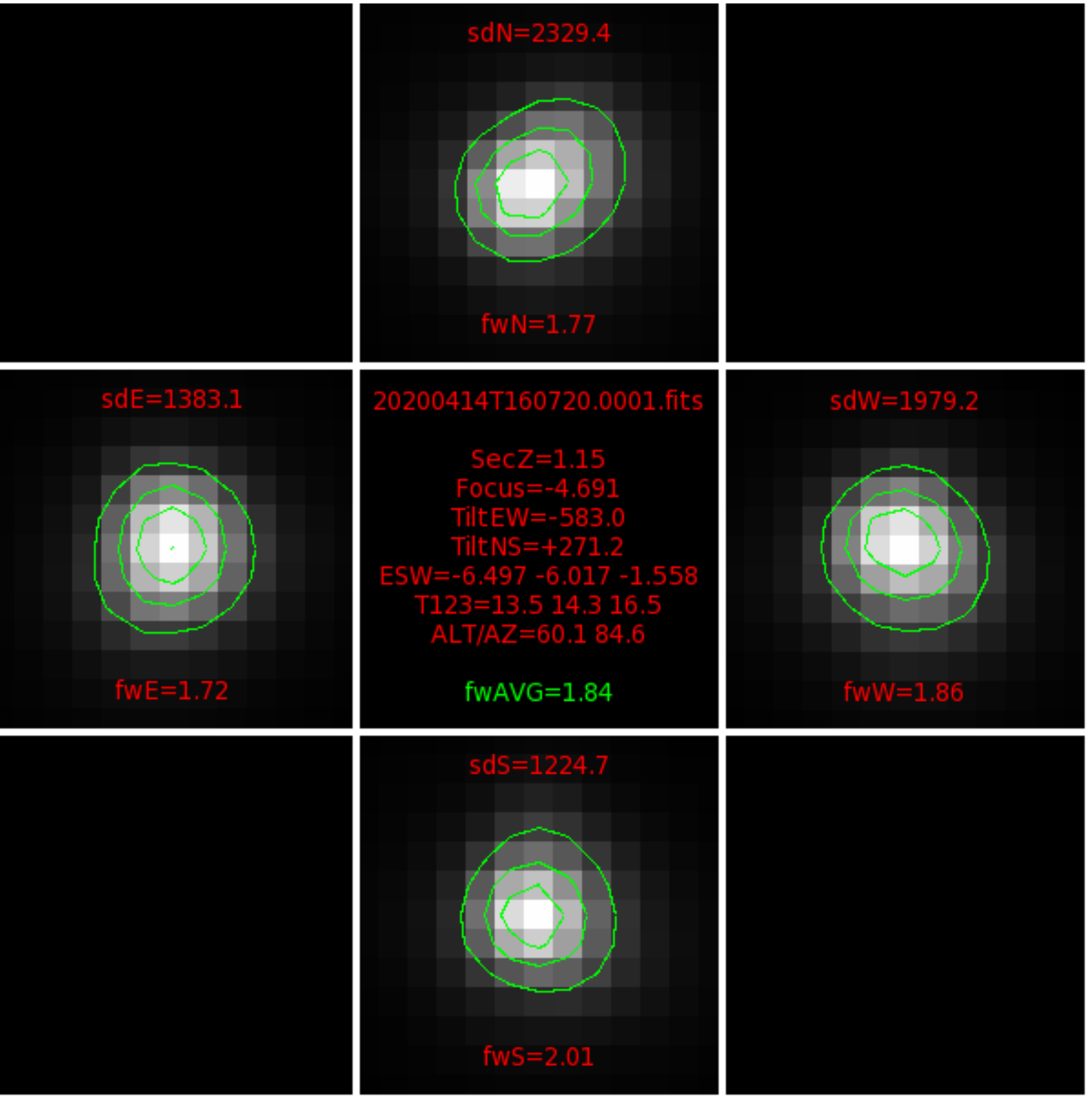
sdN=2329.4
fwN=1.77
sdE=1383.1
fwE=1.72
20200414T160720.0001.fits
SecZ=1.15
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.5 14.3 16.5
ALT/AZ=60.1 84.6
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sdW=1979.2
fwW=1.86
sdS=1224.7
fwS=2.01
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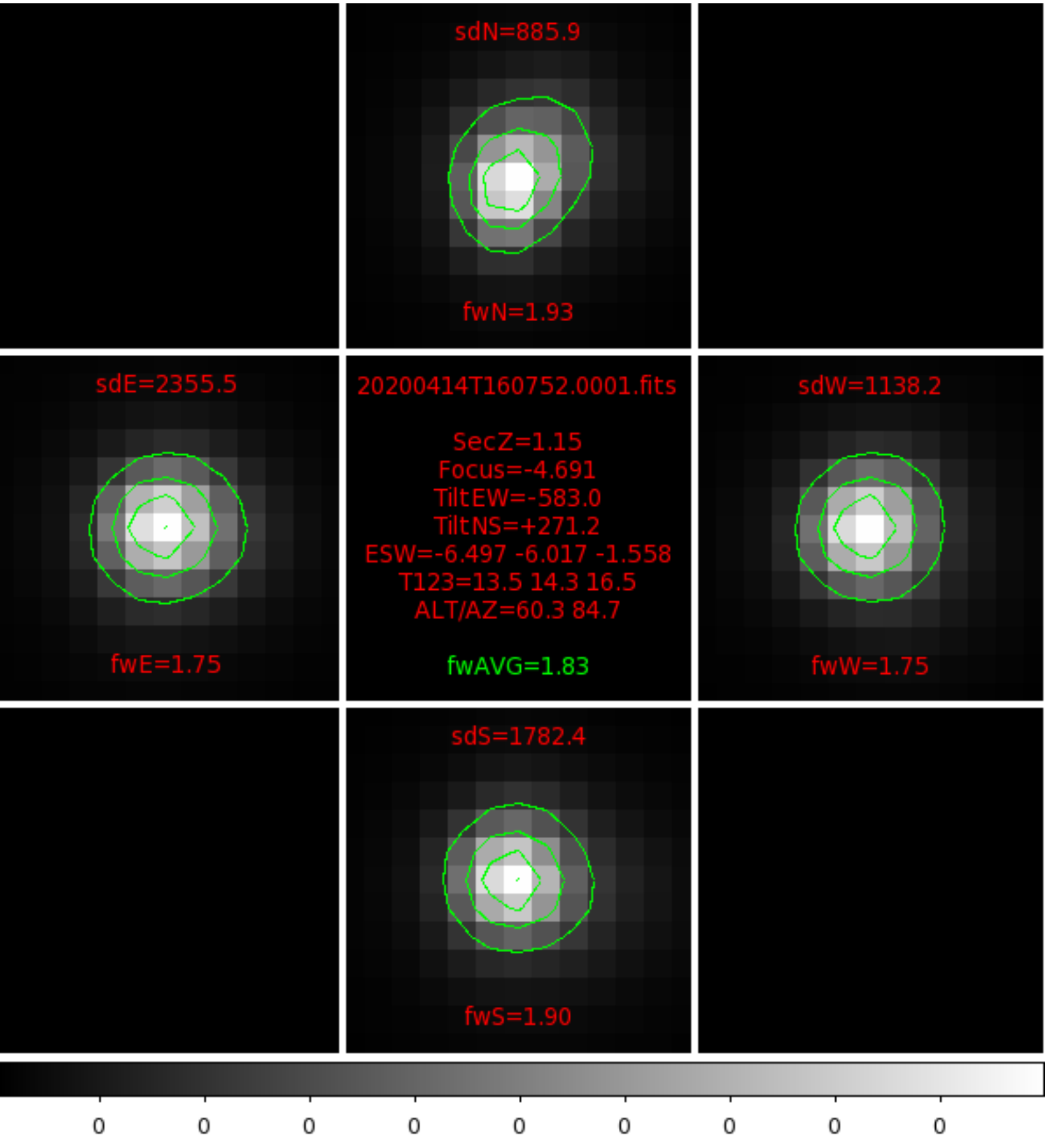
sdN=885.9
fwN=1.93
sdE=2355.5
fwE=1.75
20200414T160752.0001.fits
SecZ=1.15
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.5 14.3 16.5
ALT/AZ=60.3 84.7
fwAVG=1.83
sdW=1138.2
fwW=1.75
sdS=1782.4
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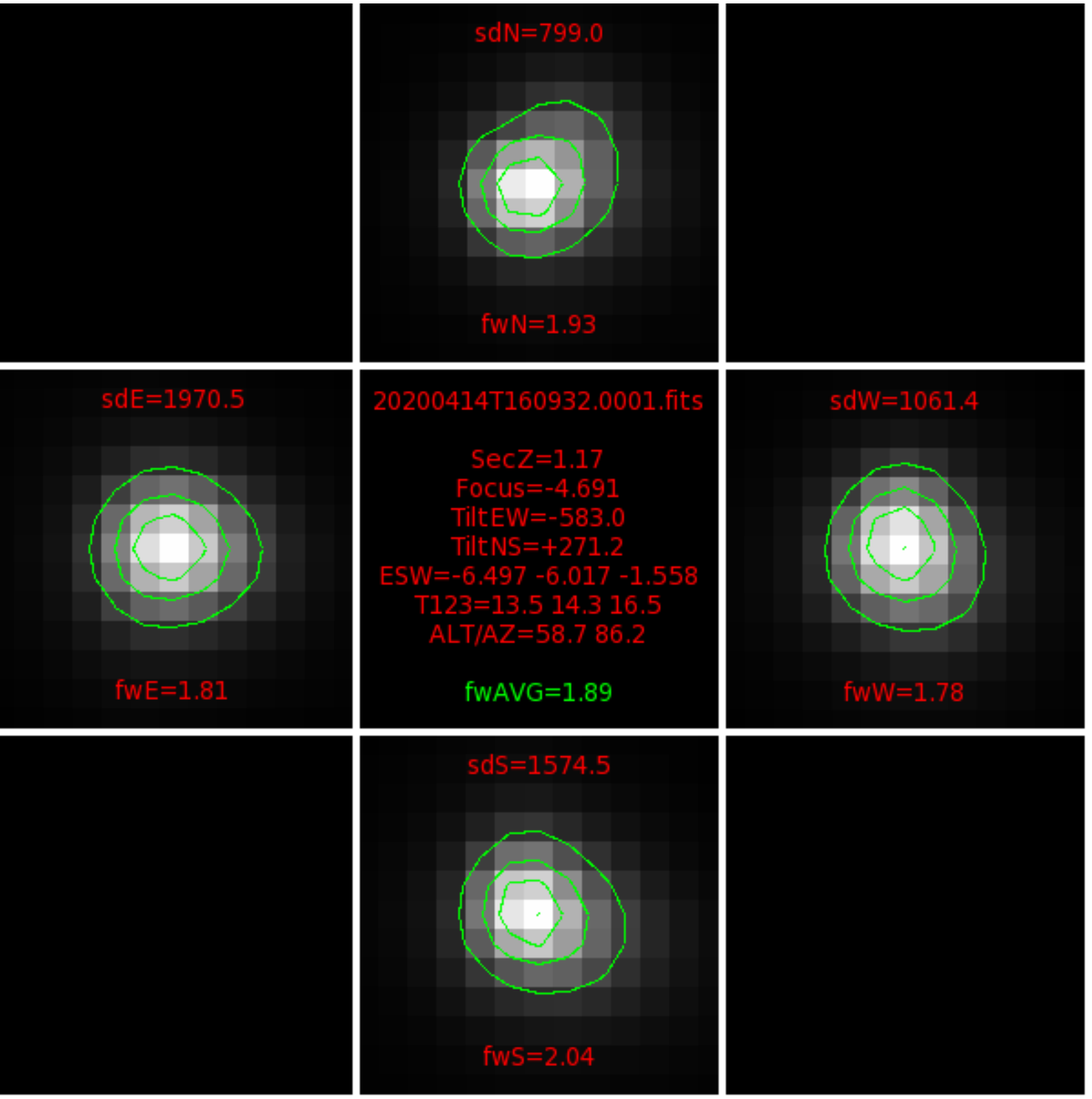
sdN=799.0
fwN=1.93
sdE=1970.5
fwE=1.81
20200414T160932.0001.fits
SecZ=1.17
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.5 14.3 16.5
ALT/AZ=58.7 86.2
fwAVG=1.89
sdW=1061.4
fwW=1.78
sdS=1574.5
fwS=2.04
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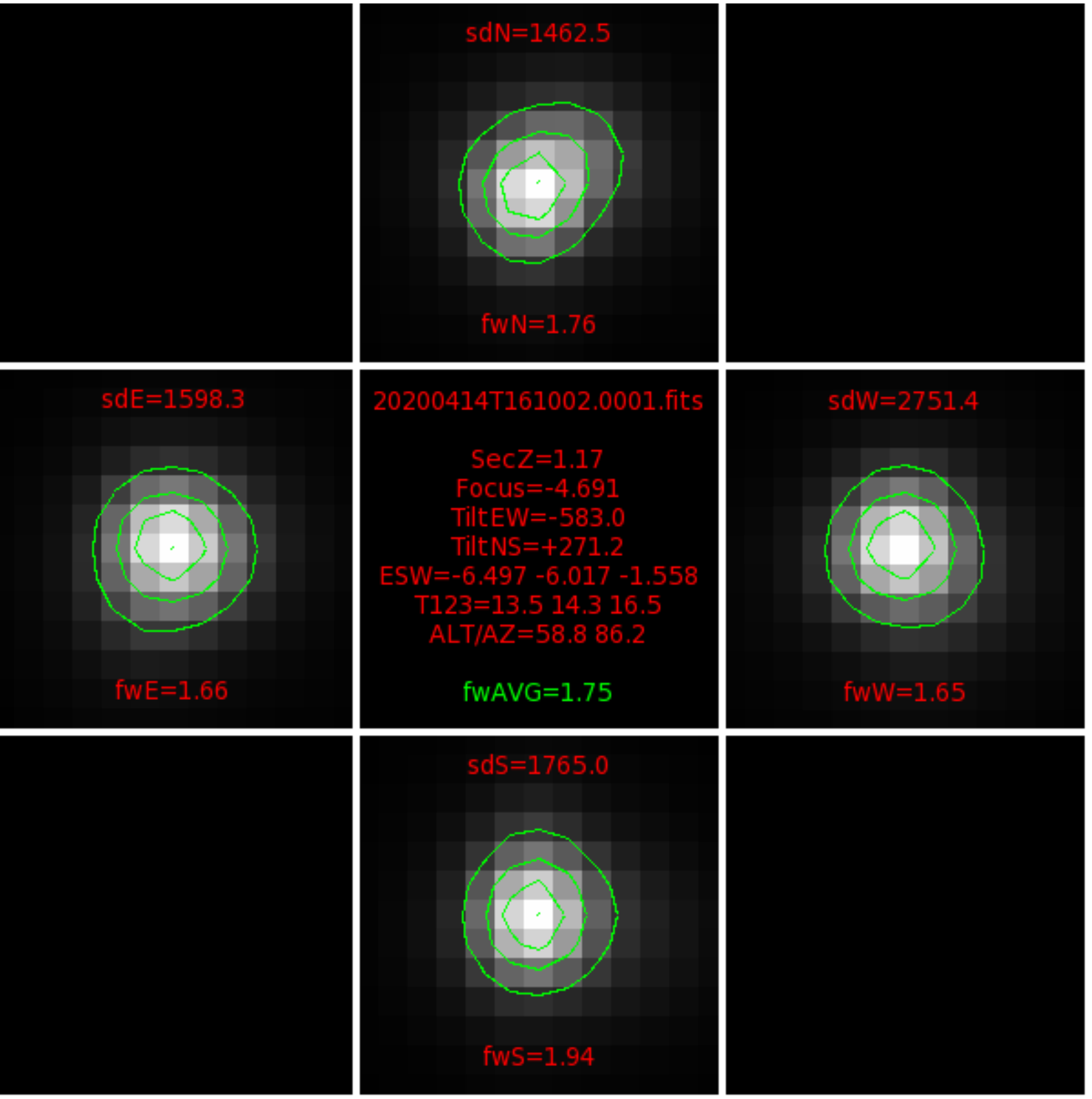
sdN=1462.5
fwN=1.76
sdE=1598.3
fwE=1.66
20200414T161002.0001.fits
SecZ=1.17
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.5 14.3 16.5
ALT/AZ=58.8 86.2
fwAVG=1.75
sdW=2751.4
fwW=1.65
sdS=1765.0
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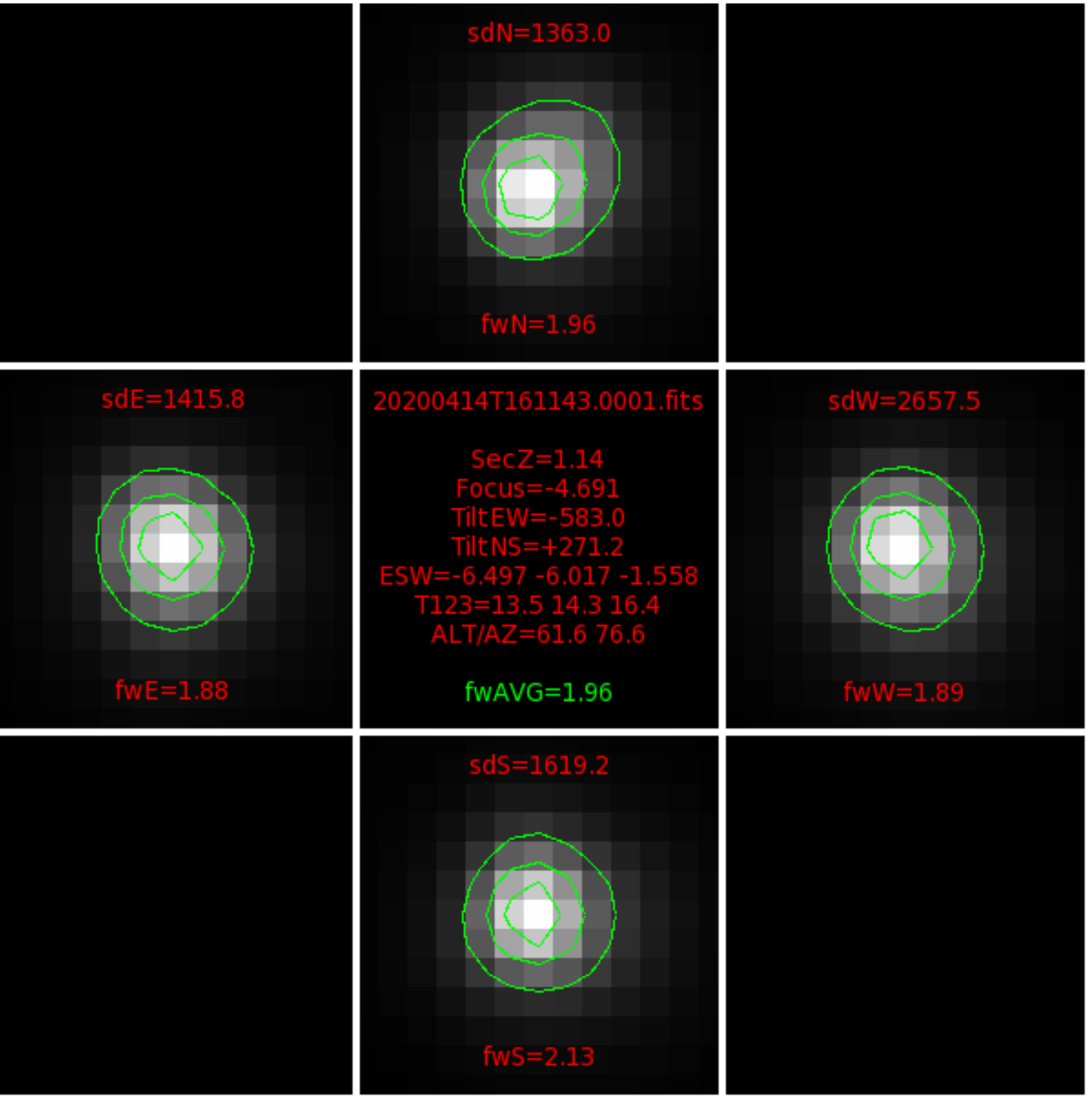
sdN=1363.0
fwN=1.96
sdE=1415.8
fwE=1.88
20200414T161143.0001.fits
SecZ=1.14
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.5 14.3 16.4
ALT/AZ=61.6 76.6
fwAVG=1.96
sdW=2657.5
fwW=1.89
sdS=1619.2
fwS=2.13
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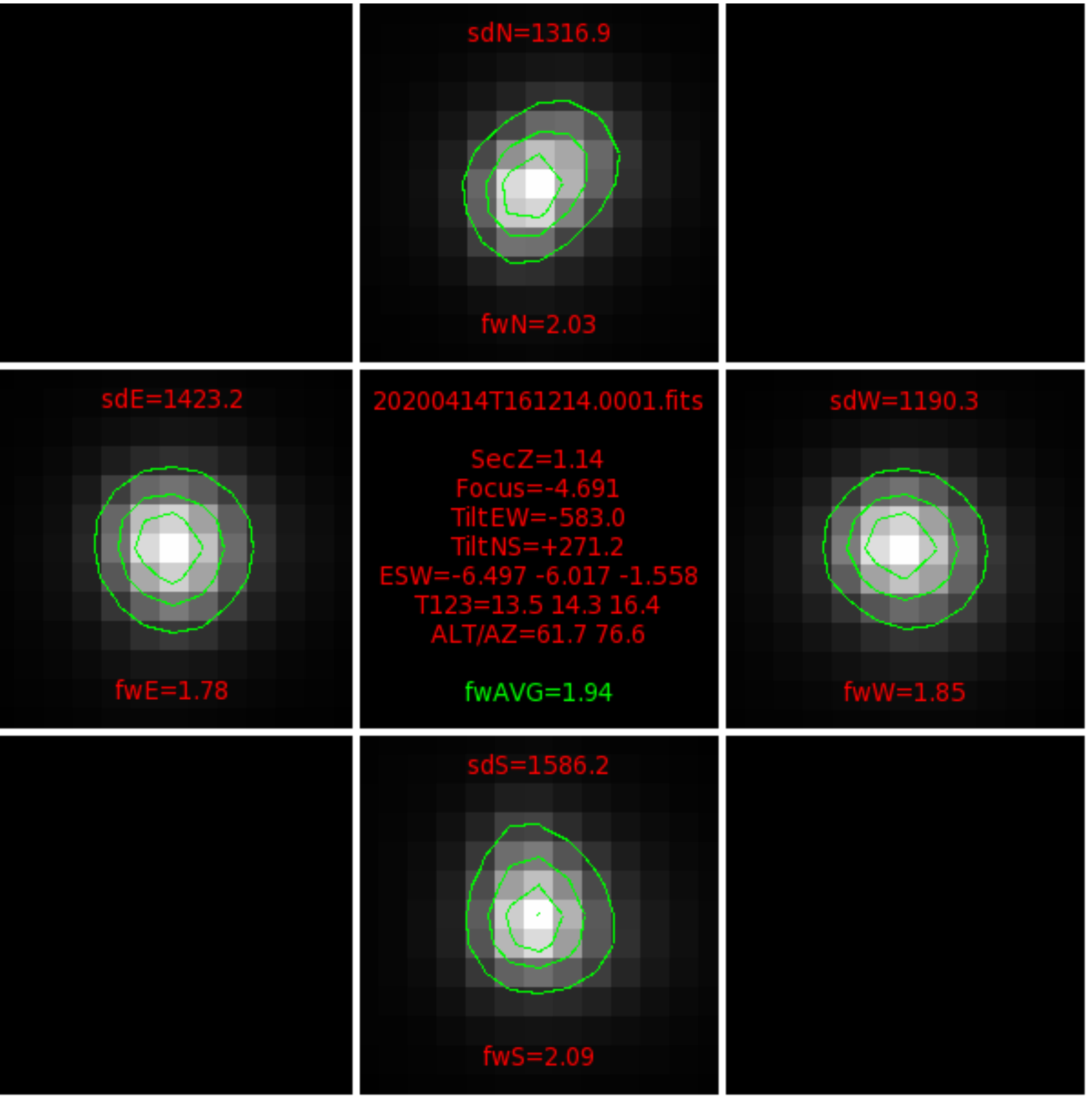
sdN=1316.9
fwN=2.03
sdE=1423.2
fwE=1.78
20200414T161214.0001.fits
SecZ=1.14
Focus=-4.691
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.497 -6.017 -1.558
T123=13.5 14.3 16.4
ALT/AZ=61.7 76.6
fwAVG=1.94
sdW=1190.3
fwW=1.85
sdS=1586.2
fwS=2.09
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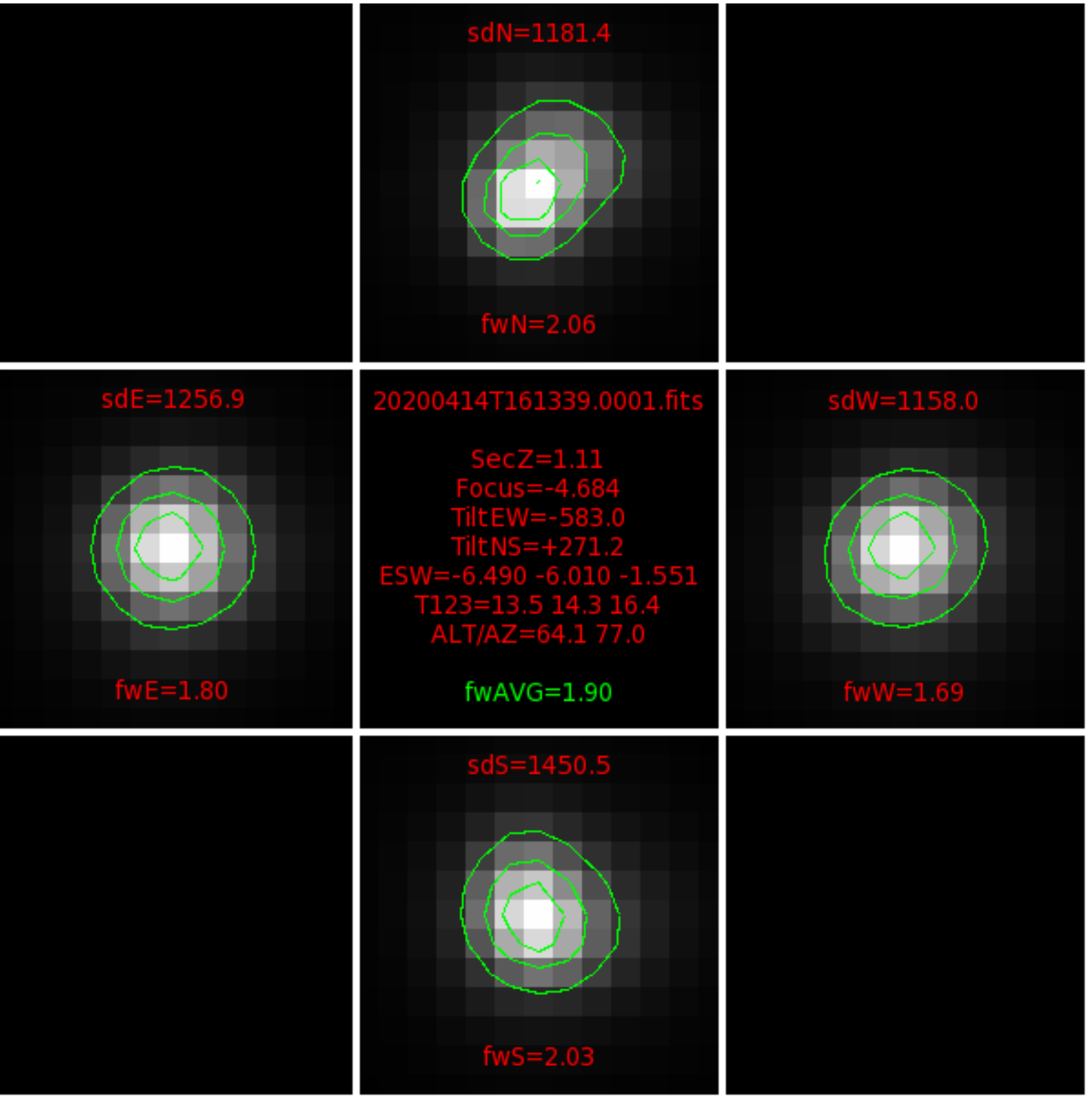
sdN=1181.4
fwN=2.06
sdE=1256.9
fwE=1.80
20200414T161339.0001.fits
SecZ=1.11
Focus=-4.684
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.490 -6.010 -1.551
T123=13.5 14.3 16.4
ALT/AZ=64.1 77.0
fwAVG=1.90
sdW=1158.0
fwW=1.69
sdS=1450.5
fwS=2.03
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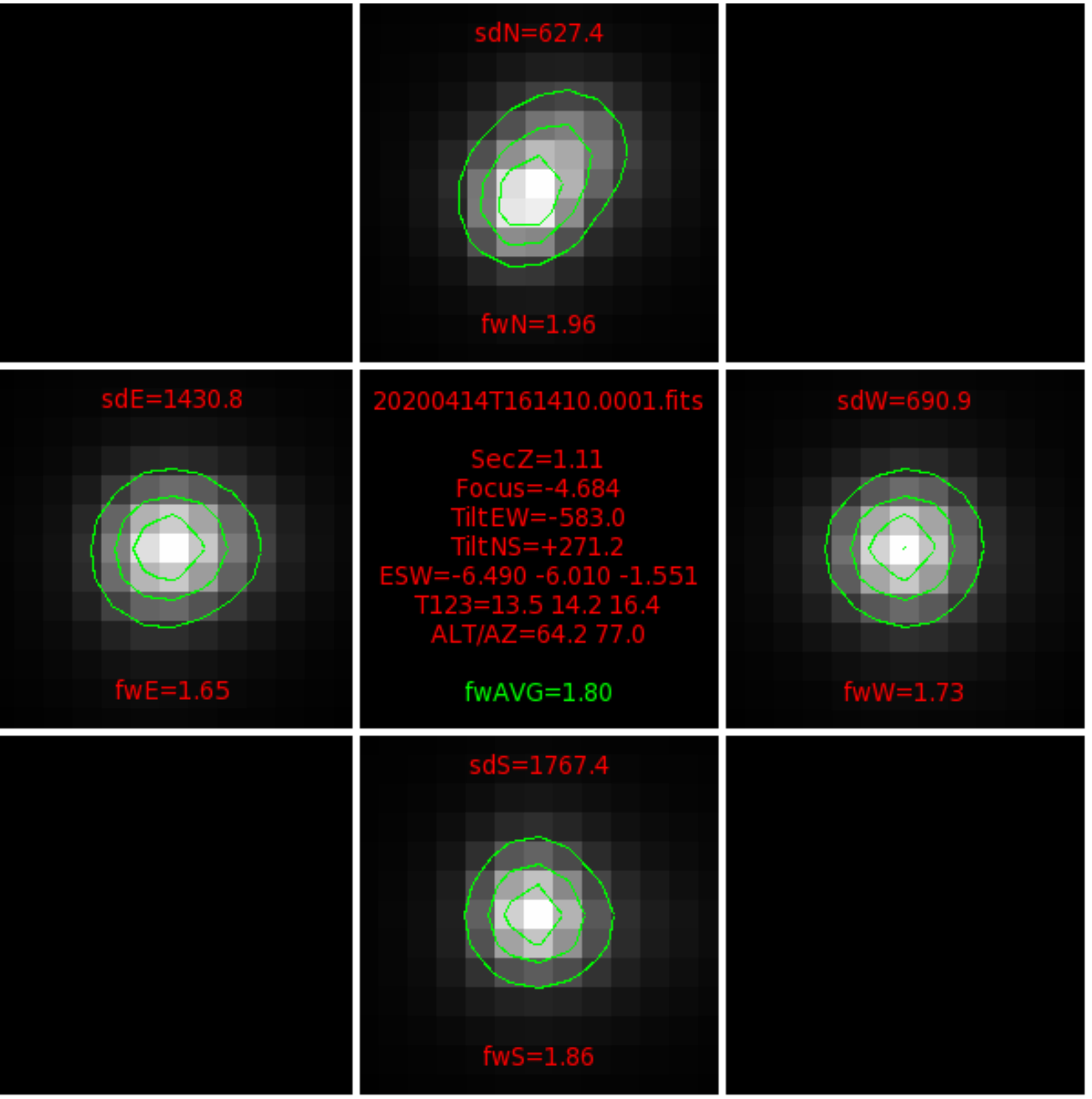
sdN=627.4
fwN=1.96
sdE=1430.8
fwE=1.65
20200414T161410.0001.fits
SecZ=1.11
Focus=-4.684
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.490 -6.010 -1.551
T123=13.5 14.2 16.4
ALT/AZ=64.2 77.0
fwAVG=1.80
sdW=690.9
fwW=1.73
sdS=1767.4
fwS=1.86
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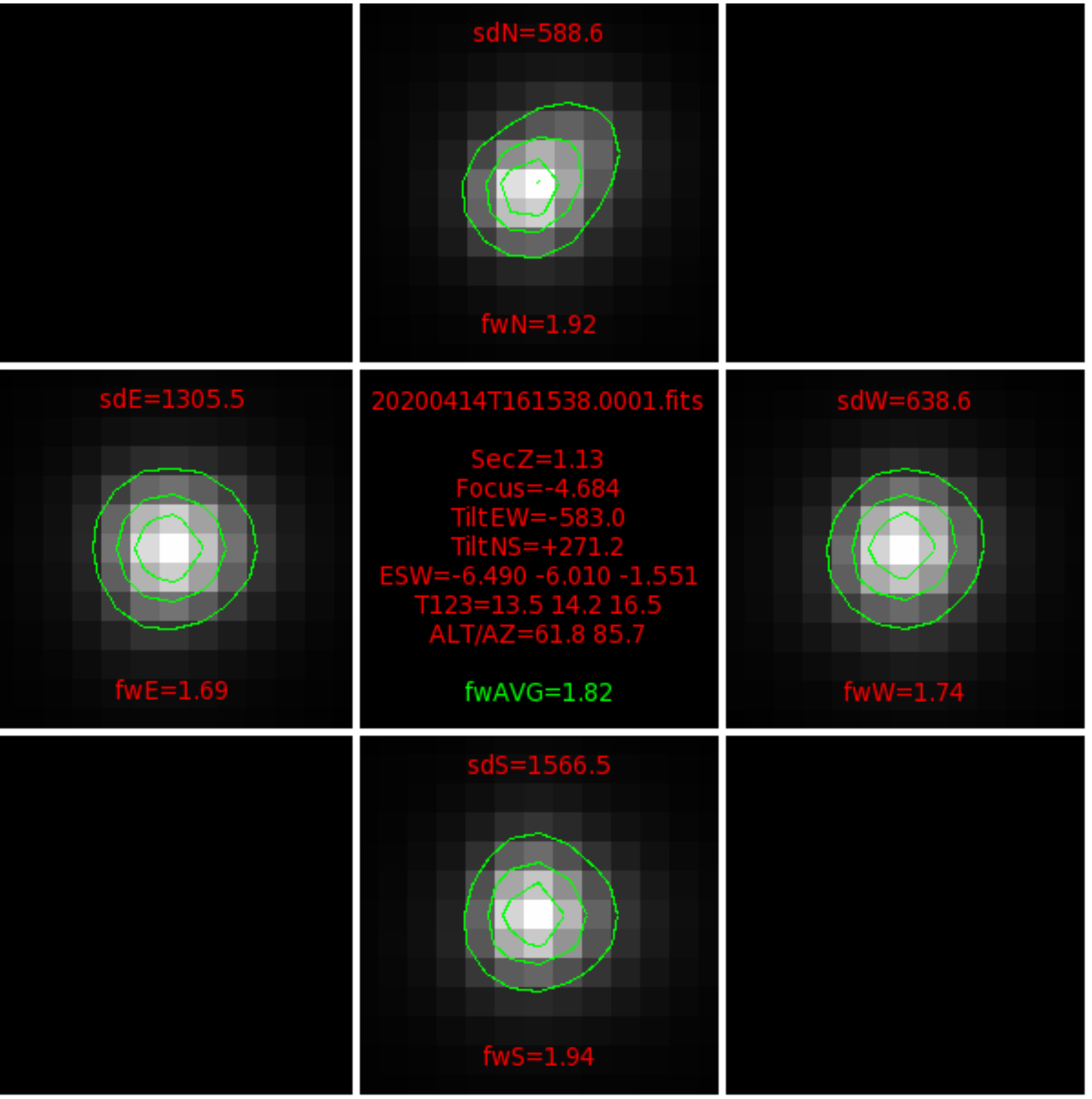
sdN=588.6
fwN=1.92
sdE=1305.5
fwE=1.69
20200414T161538.0001.fits
SecZ=1.13
Focus=-4.684
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.490 -6.010 -1.551
T123=13.5 14.2 16.5
ALT/AZ=61.8 85.7
fwAVG=1.82
sdW=638.6
fwW=1.74
sdS=1566.5
fwS=1.94
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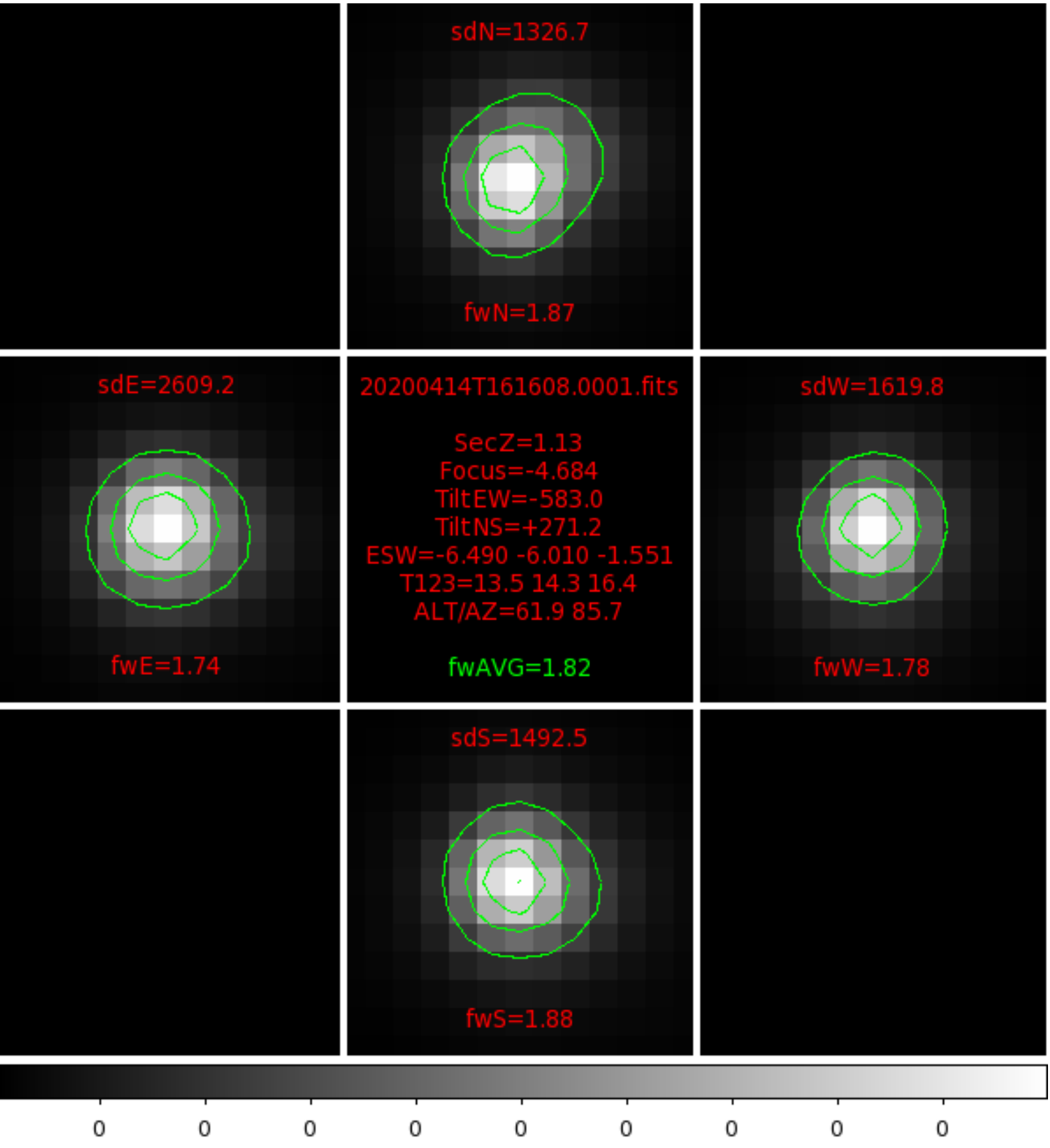
sdN=1326.7
fwN=1.87
sdE=2609.2
fwE=1.74
20200414T161608.0001.fits
SecZ=1.13
Focus=-4.684
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.490 -6.010 -1.551
T123=13.5 14.3 16.4
ALT/AZ=61.9 85.7
fwAVG=1.82
sdW=1619.8
fwW=1.78
sdS=1492.5
fwS=1.88
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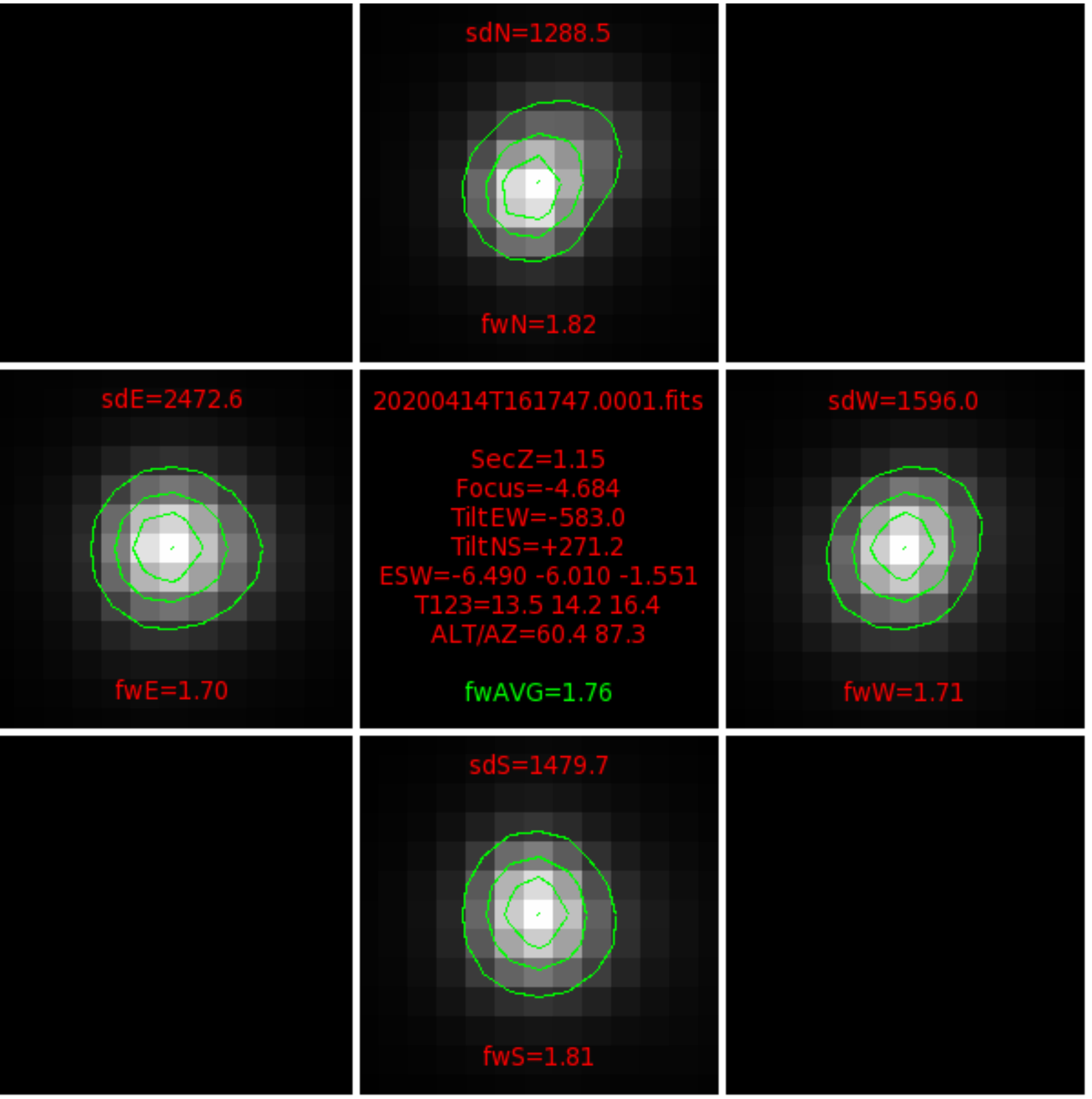
sdN=1288.5
fwN=1.82
sdE=2472.6
fwE=1.70
20200414T161747.0001.fits
SecZ=1.15
Focus=-4.684
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.490 -6.010 -1.551
T123=13.5 14.2 16.4
ALT/AZ=60.4 87.3
fwAVG=1.76
sdW=1596.0
fwW=1.71
sdS=1479.7
fwS=1.81
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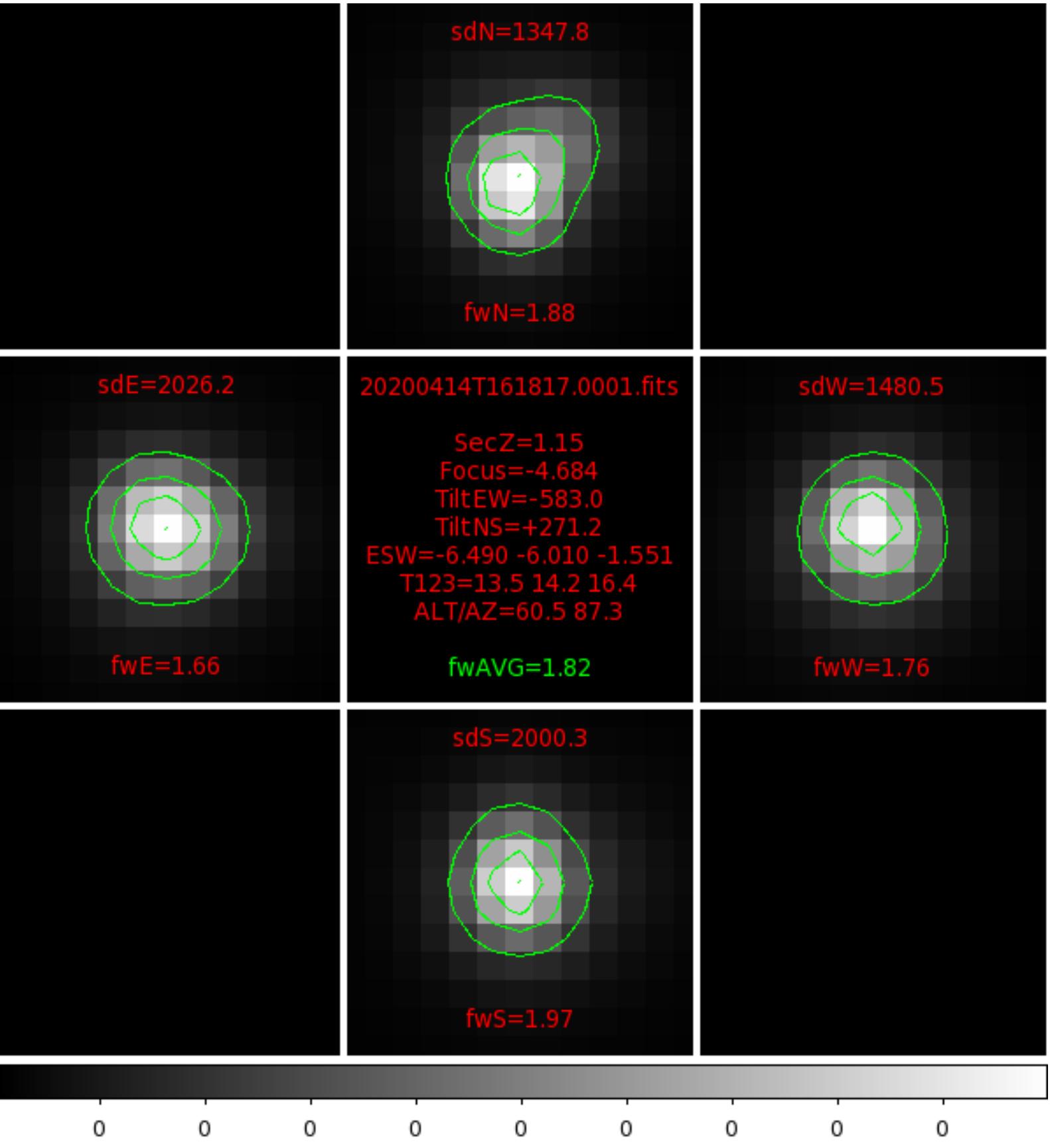
sdN=1347.8
fwN=1.88
sdE=2026.2
fwE=1.66
20200414T161817.0001.fits
SecZ=1.15
Focus=-4.684
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.490 -6.010 -1.551
T123=13.5 14.2 16.4
ALT/AZ=60.5 87.3
fwAVG=1.82
sdW=1480.5
fwW=1.76
sdS=2000.3
fwS=1.97
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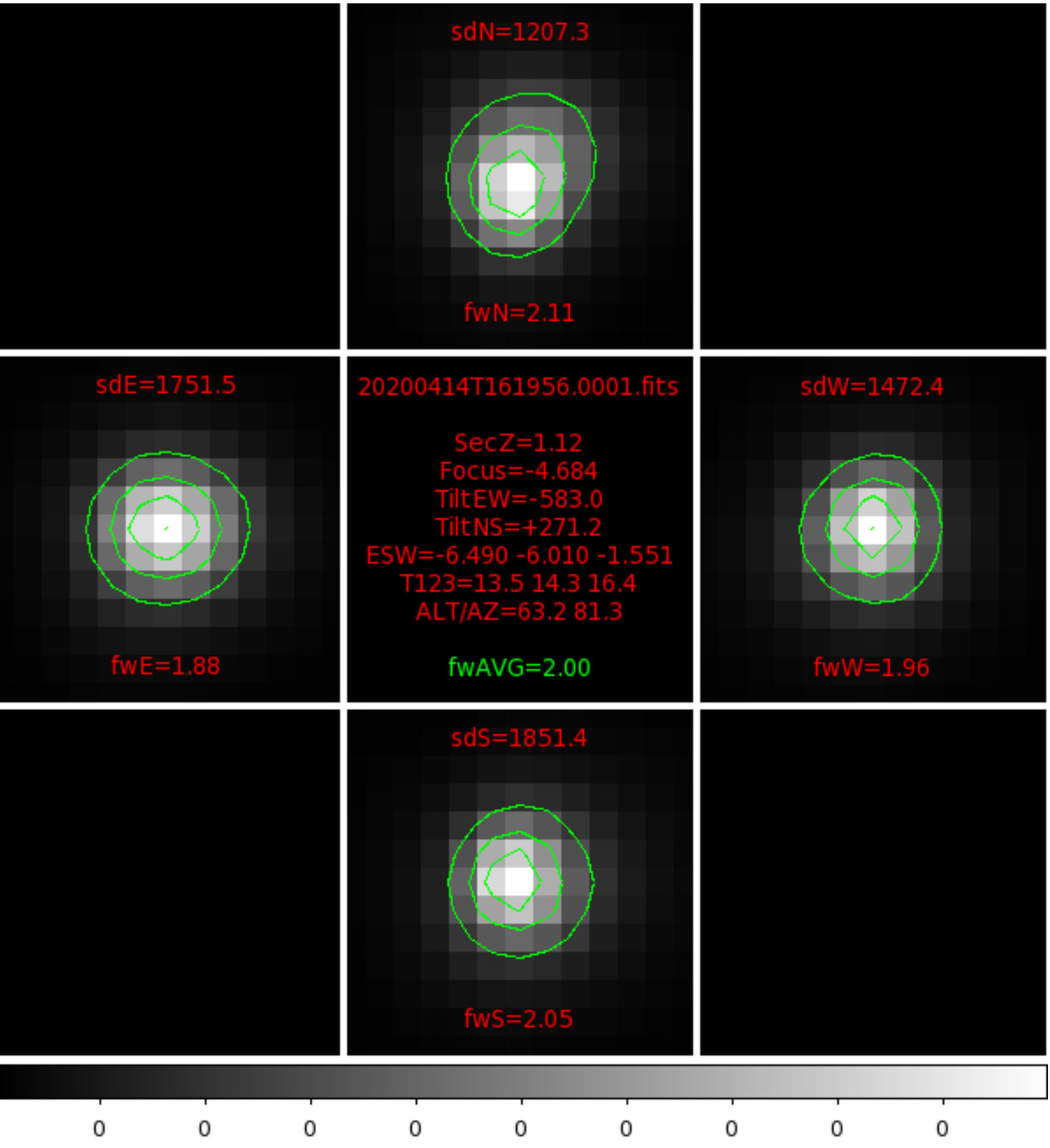
sdN=1207.3
fwN=2.11
sdE=1751.5
fwE=1.88
20200414T161956.0001.fits
SecZ=1.12
Focus=-4.684
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.490 -6.010 -1.551
T123=13.5 14.3 16.4
ALT/AZ=63.2 81.3
fwAVG=2.00
sdW=1472.4
fwW=1.96
sdS=1851.4
fwS=2.05
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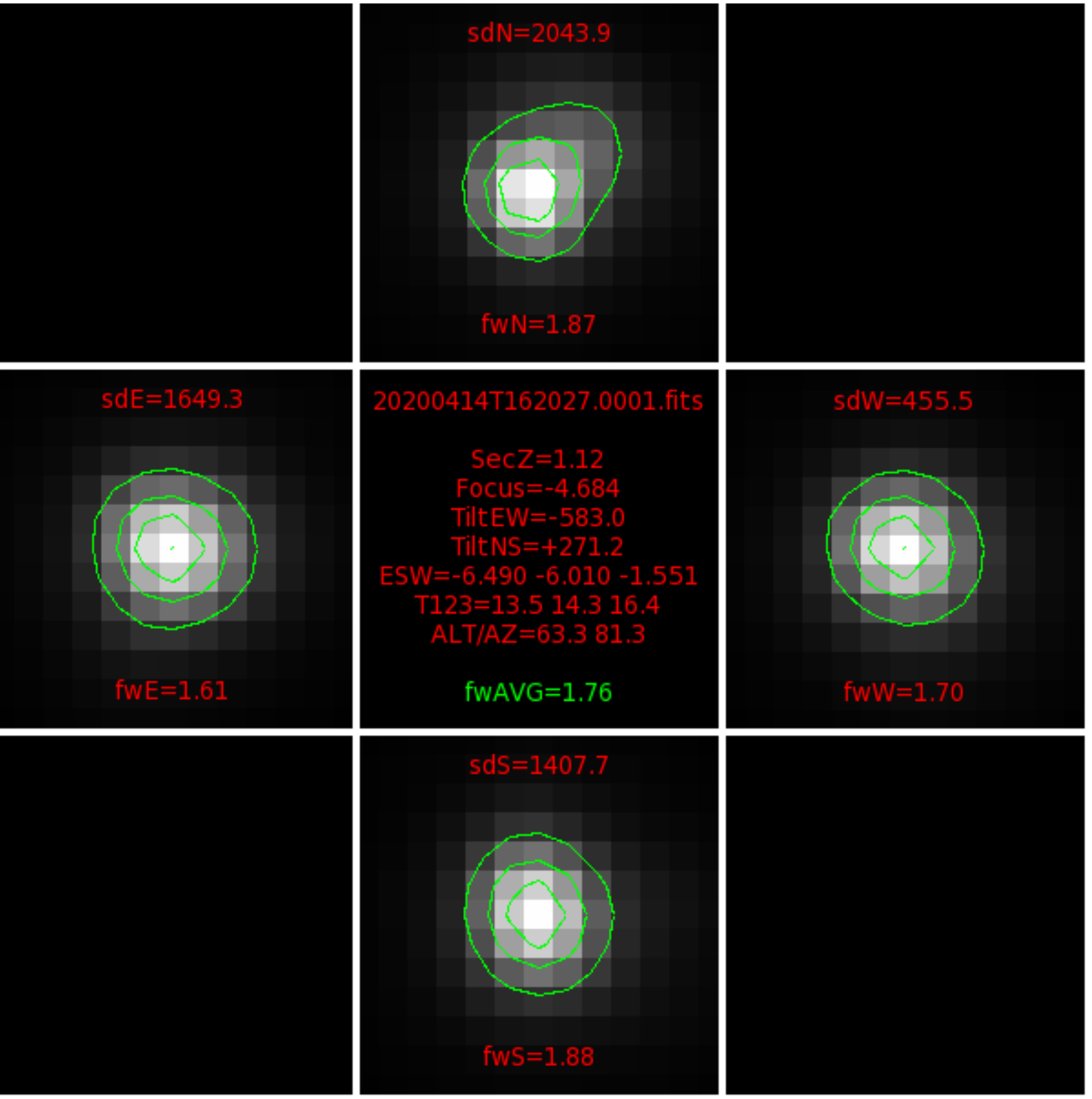
sdN=2043.9
fwN=1.87
sdE=1649.3
fwE=1.61
20200414T162027.0001.fits
SecZ=1.12
Focus=-4.684
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.490 -6.010 -1.551
T123=13.5 14.3 16.4
ALT/AZ=63.3 81.3
fwAVG=1.76
sdW=455.5
fwW=1.70
sdS=1407.7
fwS=1.88
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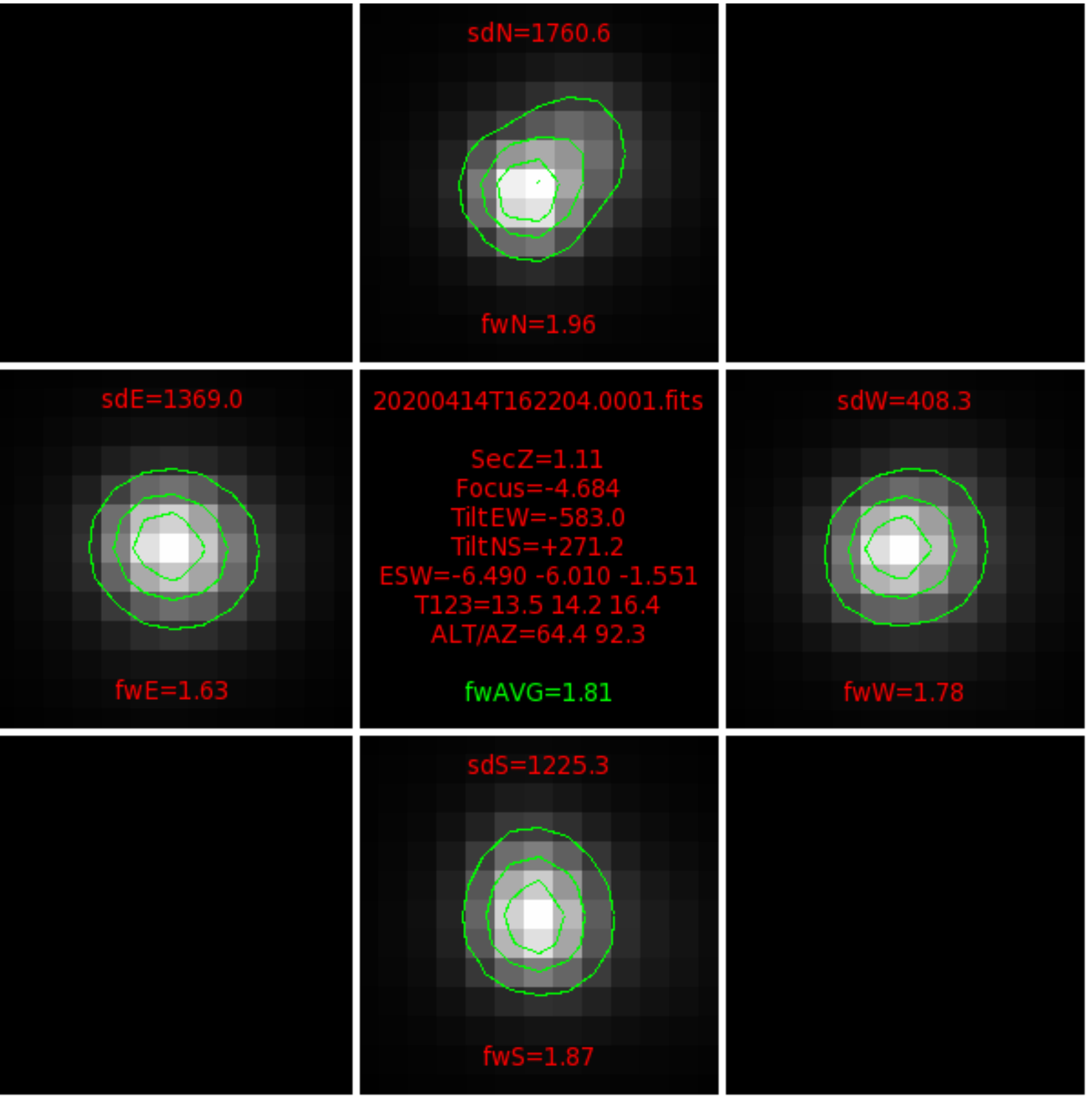
sdN=1760.6
fwN=1.96
sdE=1369.0
fwE=1.63
20200414T162204.0001.fits
SecZ=1.11
Focus=-4.684
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.490 -6.010 -1.551
T123=13.5 14.2 16.4
ALT/AZ=64.4 92.3
fwAVG=1.81
sdW=408.3
fwW=1.78
sdS=1225.3
fwS=1.87
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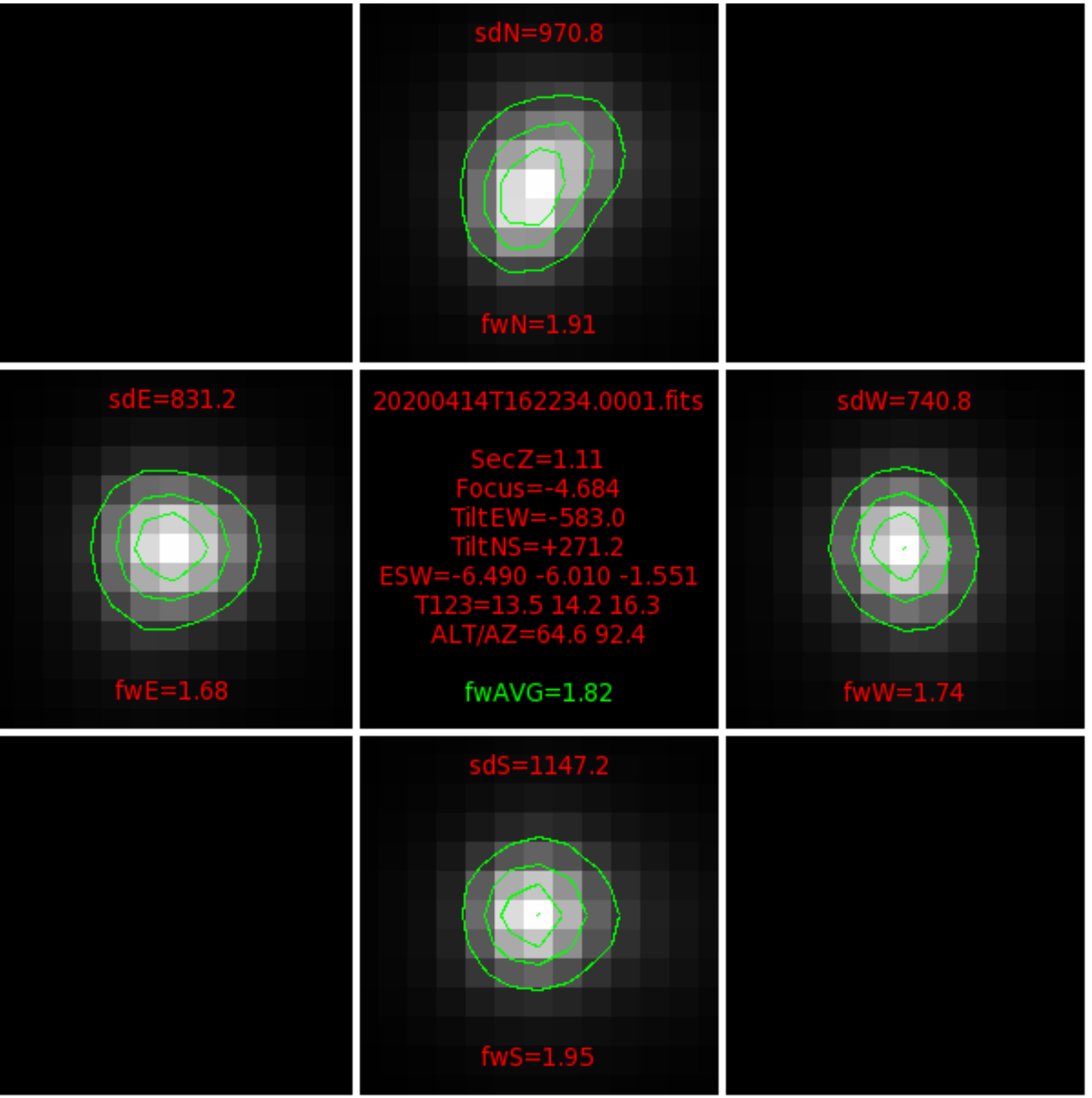
sdN=970.8
fwN=1.91
sdE=831.2
fwE=1.68
20200414T162234.0001.fits
SecZ=1.11
Focus=-4.684
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.490 -6.010 -1.551
T123=13.5 14.2 16.3
ALT/AZ=64.6 92.4
fwAVG=1.82
sdW=740.8
fwW=1.74
sdS=1147.2
fwS=1.95
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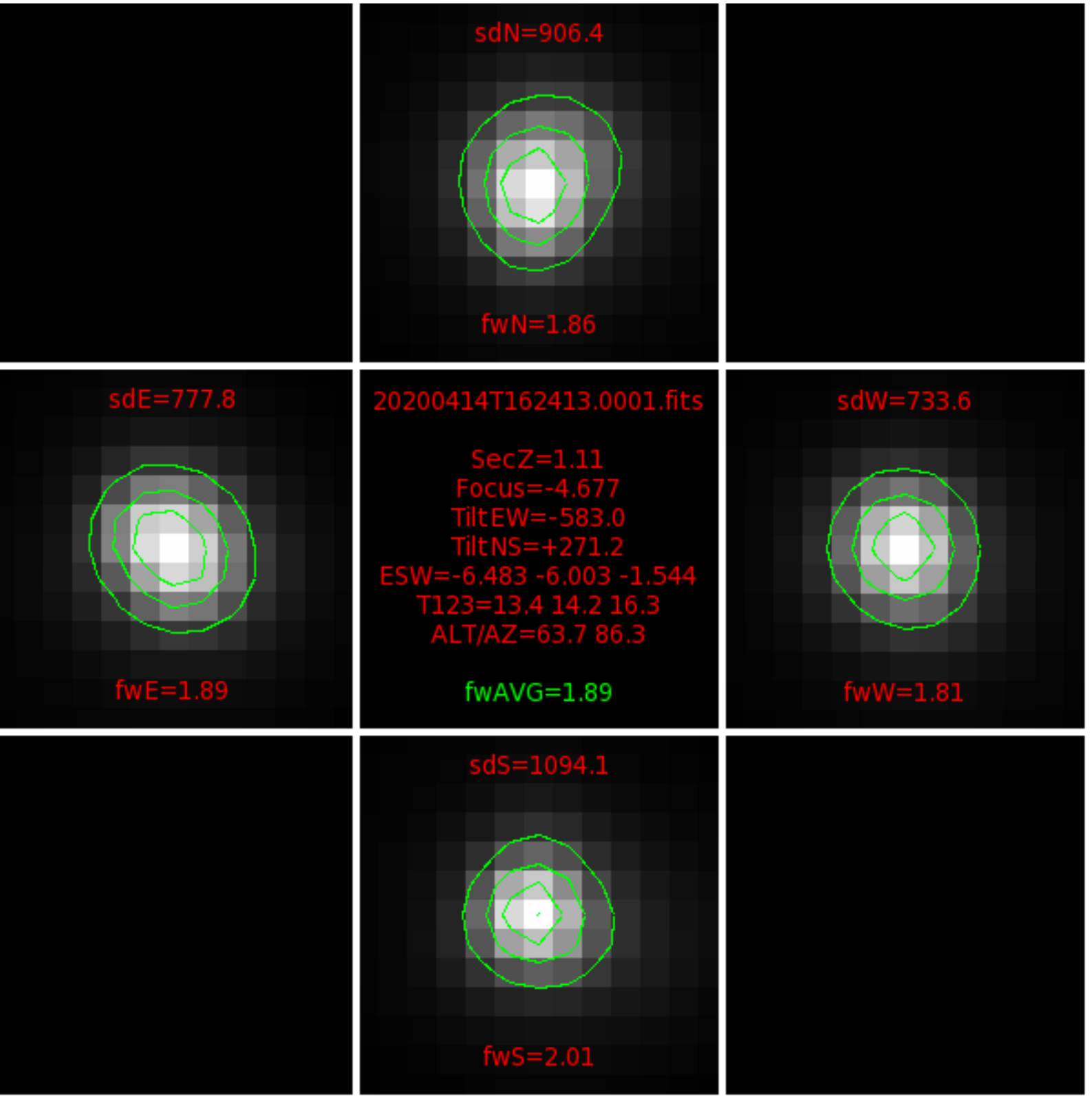
sdN=906.4
fwN=1.86
sdE=777.8
fwE=1.89
20200414T162413.0001.fits
SecZ=1.11
Focus=-4.677
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.483 -6.003 -1.544
T123=13.4 14.2 16.3
ALT/AZ=63.7 86.3
fwAVG=1.89
sdW=733.6
fwW=1.81
sdS=1094.1
fwS=2.01
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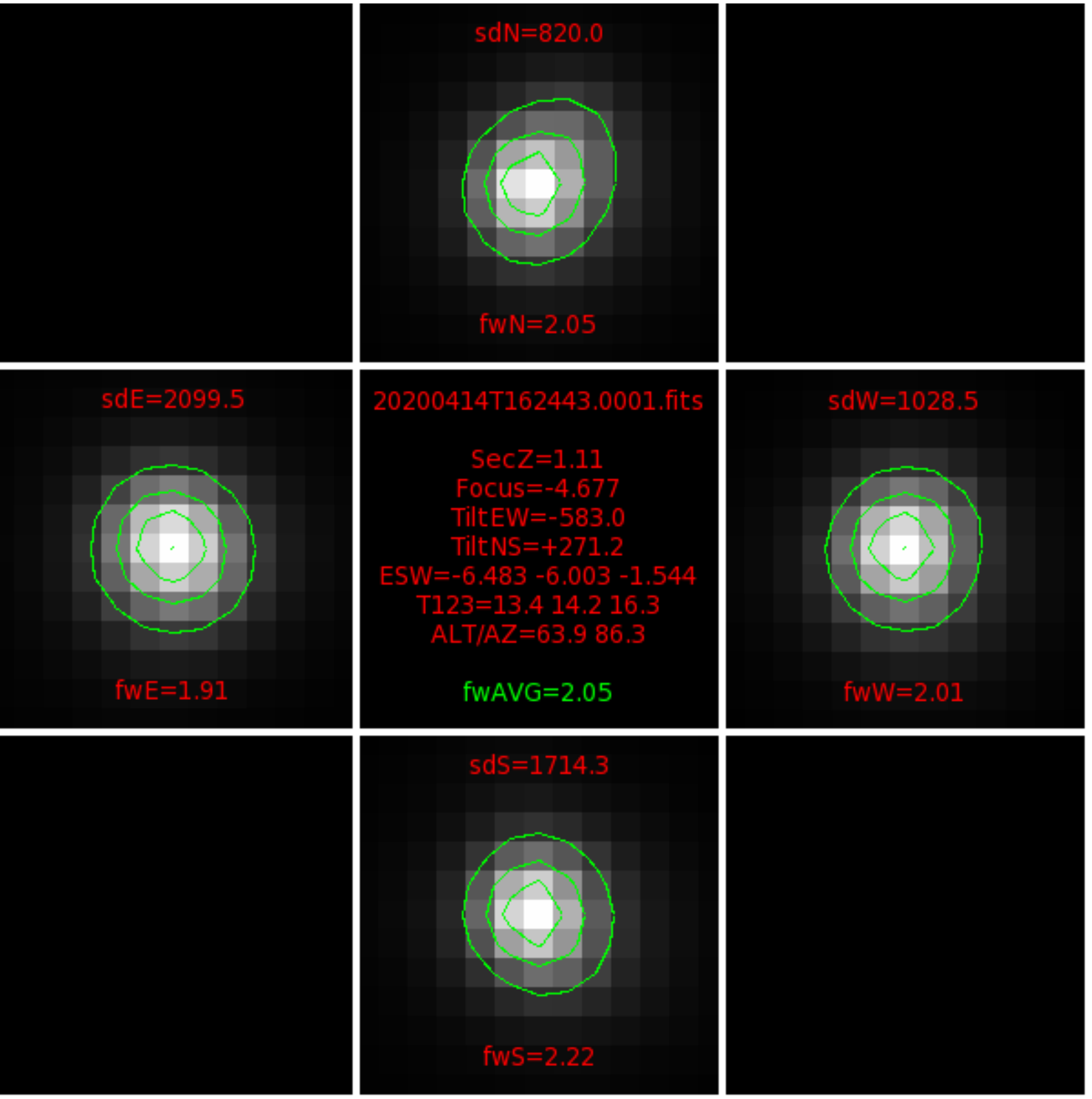
sdN=820.0
fwN=2.05
sdE=2099.5
fwE=1.91
20200414T162443.0001.fits
SecZ=1.11
Focus=-4.677
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.483 -6.003 -1.544
T123=13.4 14.2 16.3
ALT/AZ=63.9 86.3
fwAVG=2.05
sdW=1028.5
fwW=2.01
sdS=1714.3
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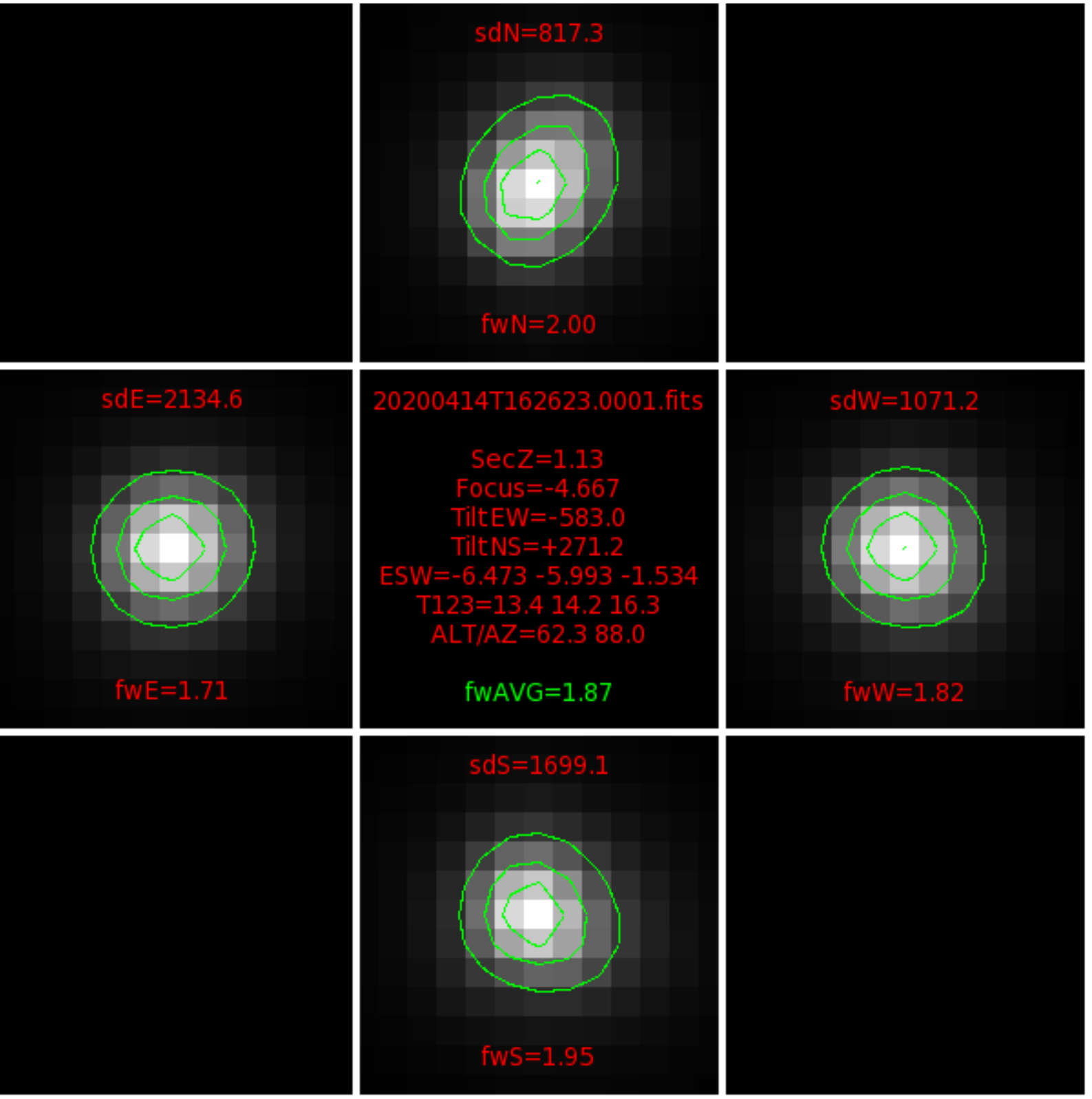
sdN=817.3
fwN=2.00
sdE=2134.6
fwE=1.71
20200414T162623.0001.fits
SecZ=1.13
Focus=-4.667
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.473 -5.993 -1.534
T123=13.4 14.2 16.3
ALT/AZ=62.3 88.0
fwAVG=1.87
sdW=1071.2
fwW=1.82
sdS=1699.1
fwS=1.95
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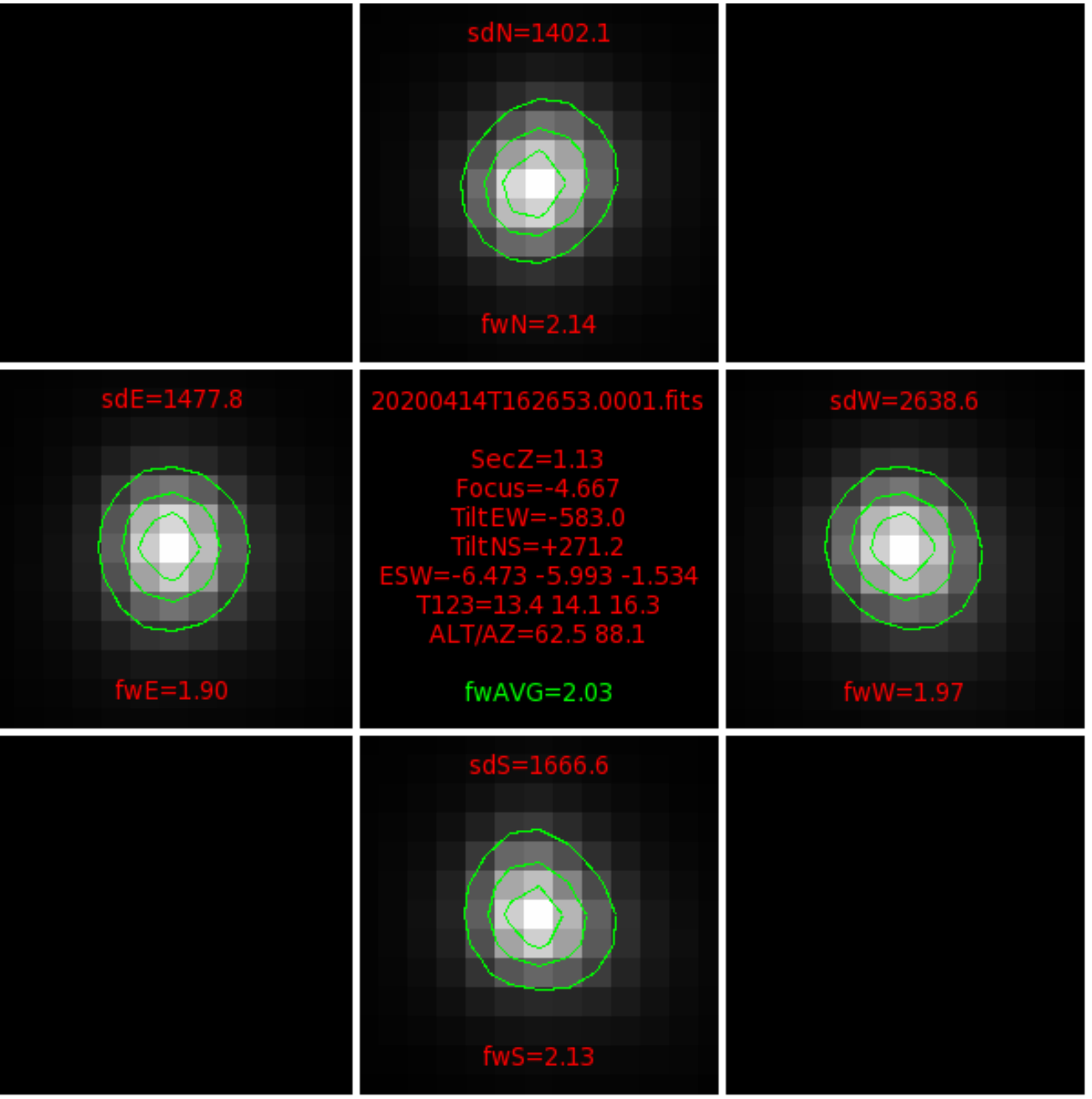
sdN=1402.1
fwN=2.14
sdE=1477.8
fwE=1.90
20200414T162653.0001.fits
SecZ=1.13
Focus=-4.667
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.473 -5.993 -1.534
T123=13.4 14.1 16.3
ALT/AZ=62.5 88.1
fwAVG=2.03
sdW=2638.6
fwW=1.97
sdS=1666.6
fwS=2.13
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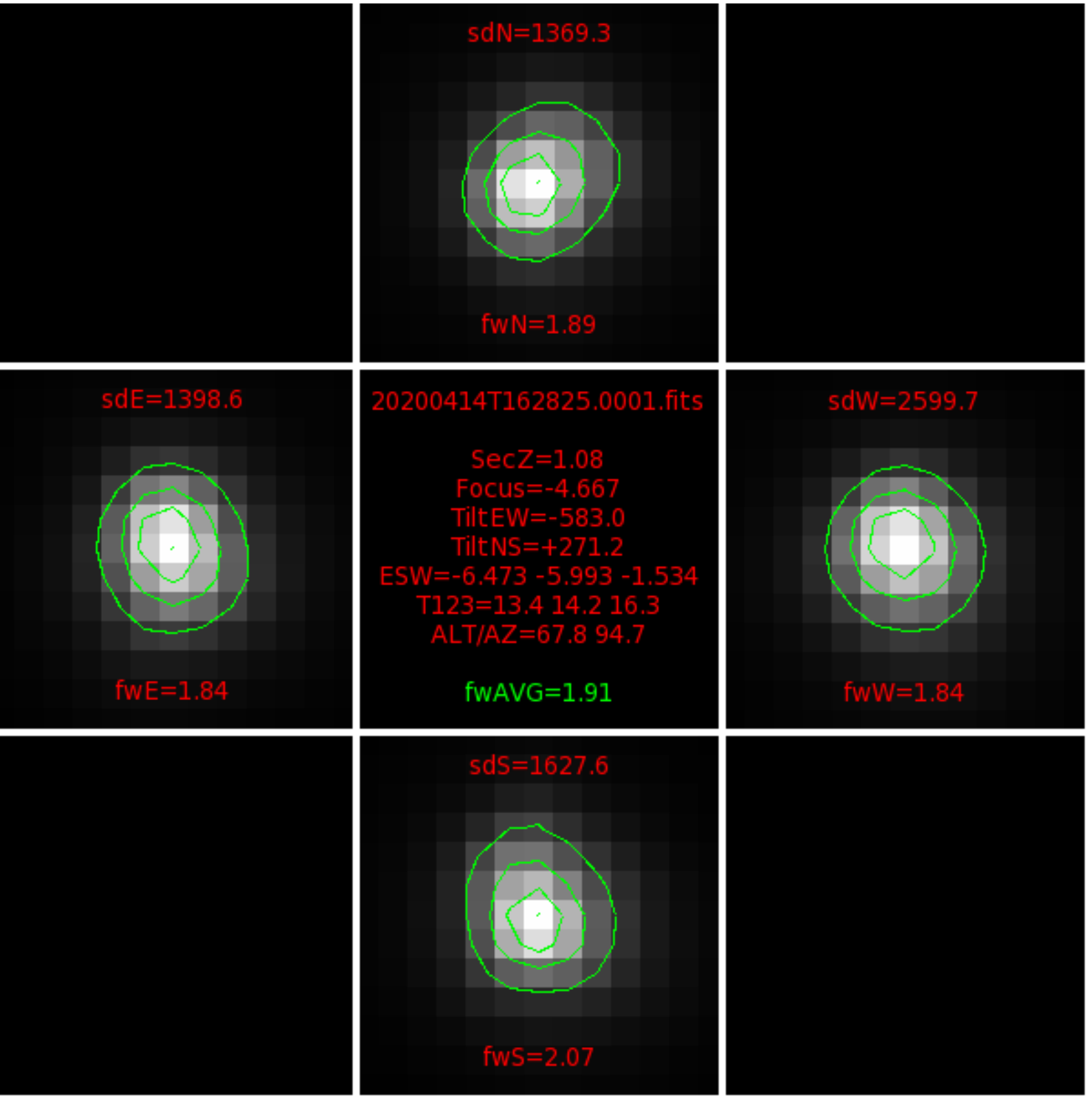
sdN=1369.3
fwN=1.89
sdE=1398.6
fwE=1.84
20200414T162825.0001.fits
SecZ=1.08
Focus=-4.667
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.473 -5.993 -1.534
T123=13.4 14.2 16.3
ALT/AZ=67.8 94.7
fwAVG=1.91
sdW=2599.7
fwW=1.84
sdS=1627.6
fwS=2.07
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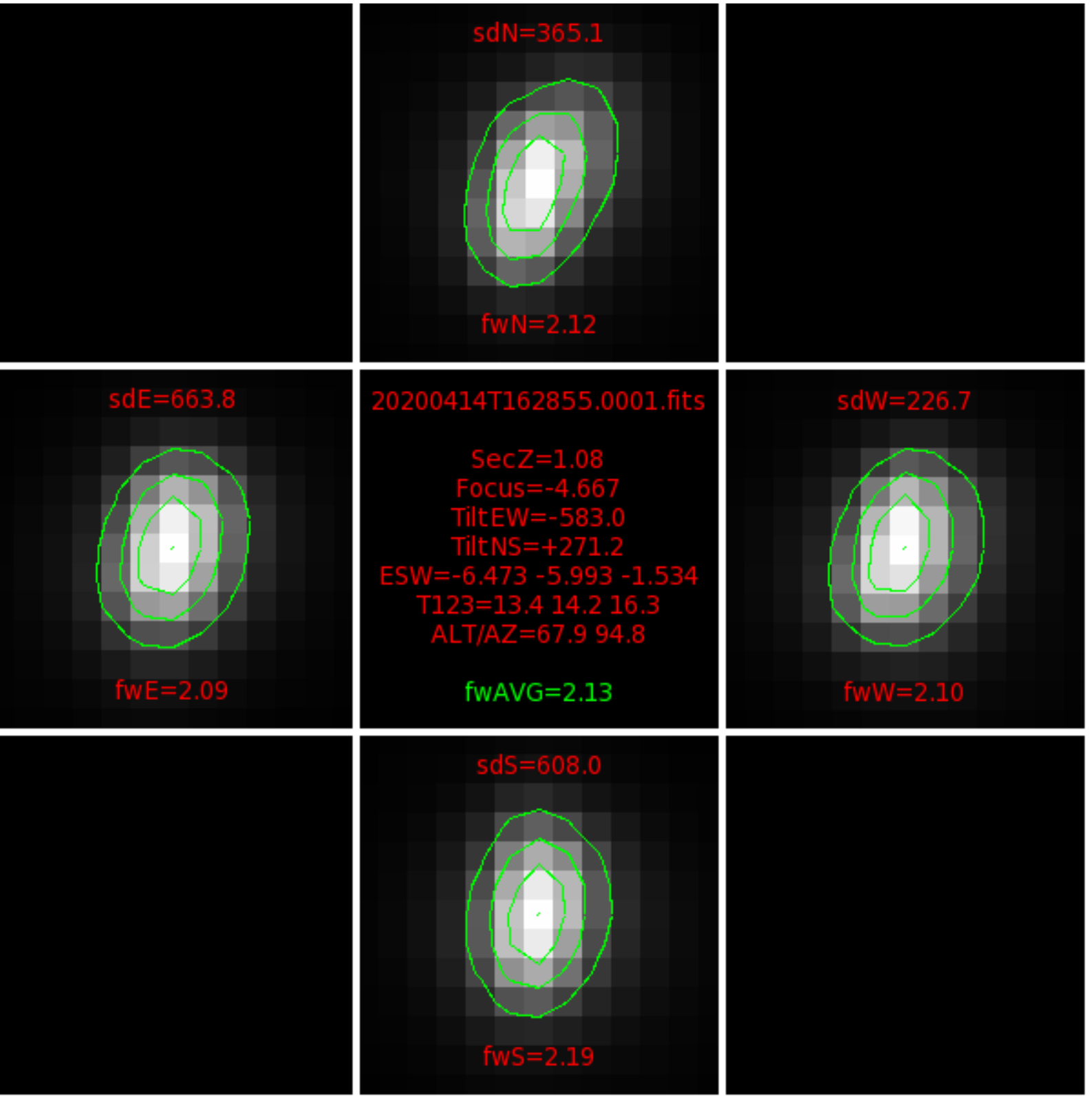
sdN=365.1
fwN=2.12
sdE=663.8
fwE=2.09
20200414T162855.0001.fits
SecZ=1.08
Focus=-4.667
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.473 -5.993 -1.534
T123=13.4 14.2 16.3
ALT/AZ=67.9 94.8
fwAVG=2.13
sdW=226.7
fwW=2.10
sdS=608.0
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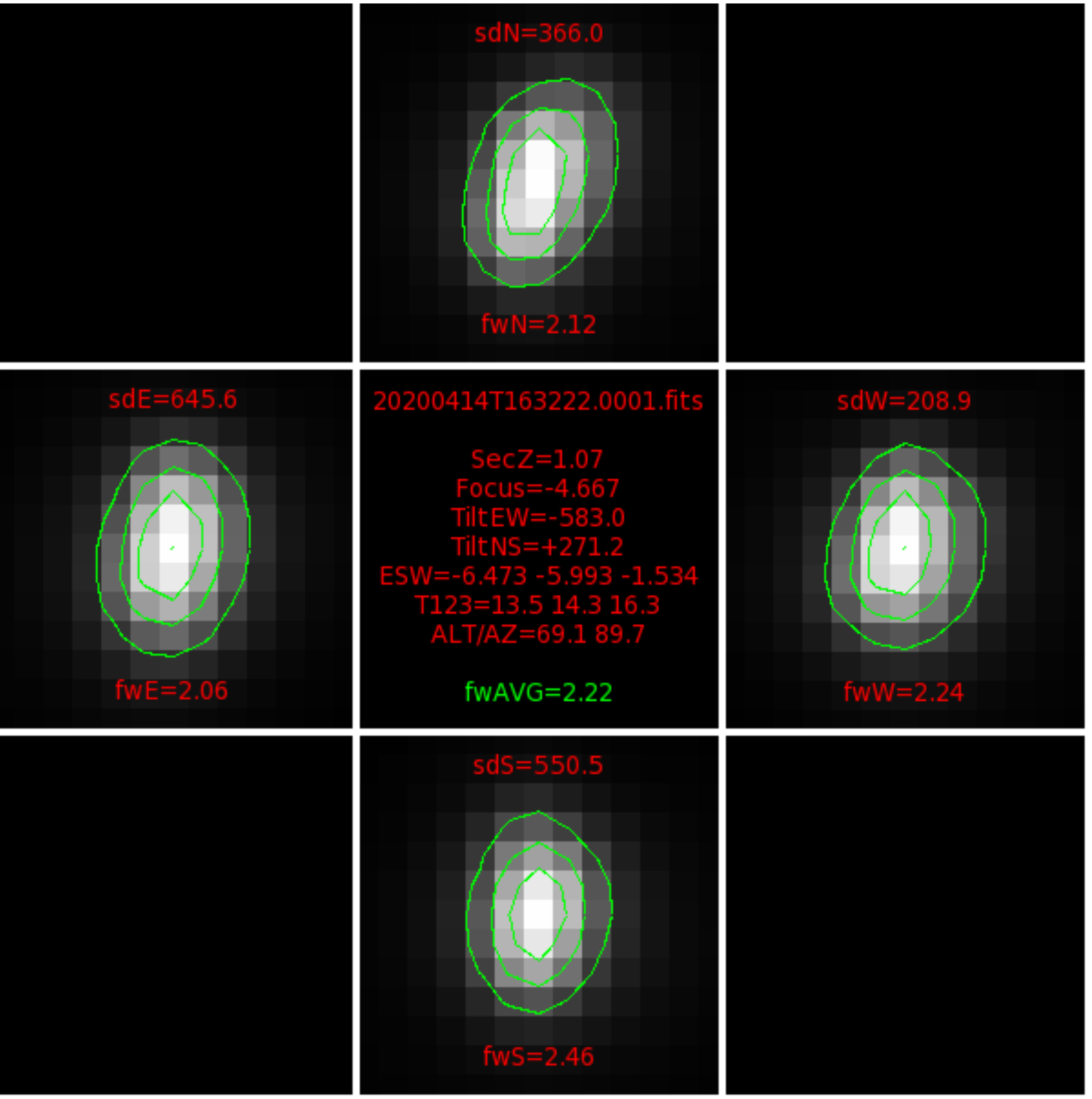
sdN=366.0
fwN=2.12
sdE=645.6
fwE=2.06
20200414T163222.0001.fits
SecZ=1.07
Focus=-4.667
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.473 -5.993 -1.534
T123=13.5 14.3 16.3
ALT/AZ=69.1 89.7
fwAVG=2.22
sdW=208.9
fwW=2.24
sdS=550.5
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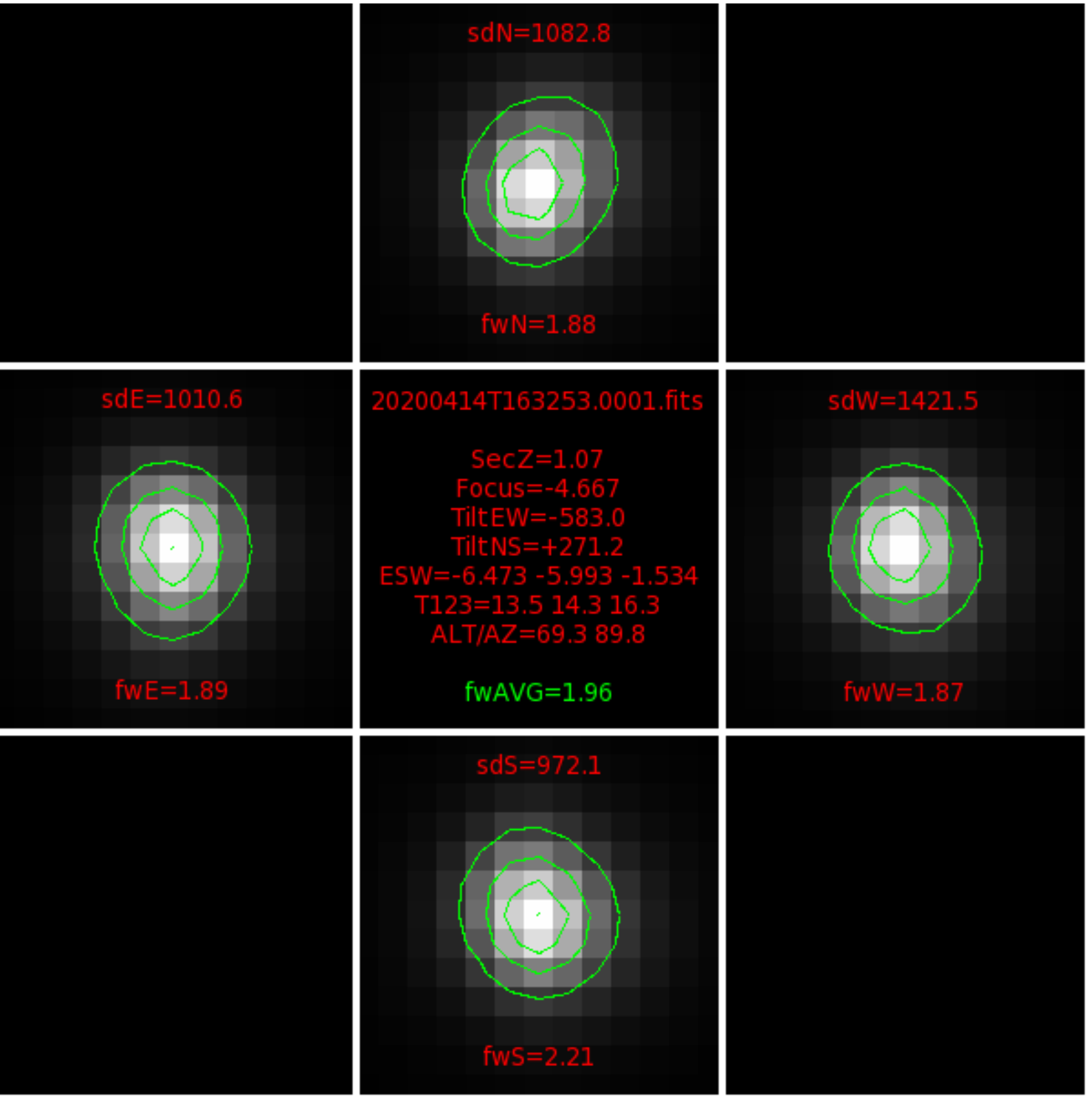
sdN=1082.8
fwN=1.88
sdE=1010.6
fwE=1.89
20200414T163253.0001.fits
SecZ=1.07
Focus=-4.667
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.473 -5.993 -1.534
T123=13.5 14.3 16.3
ALT/AZ=69.3 89.8
fwAVG=1.96
sdW=1421.5
fwW=1.87
sdS=972.1
fwS=2.21
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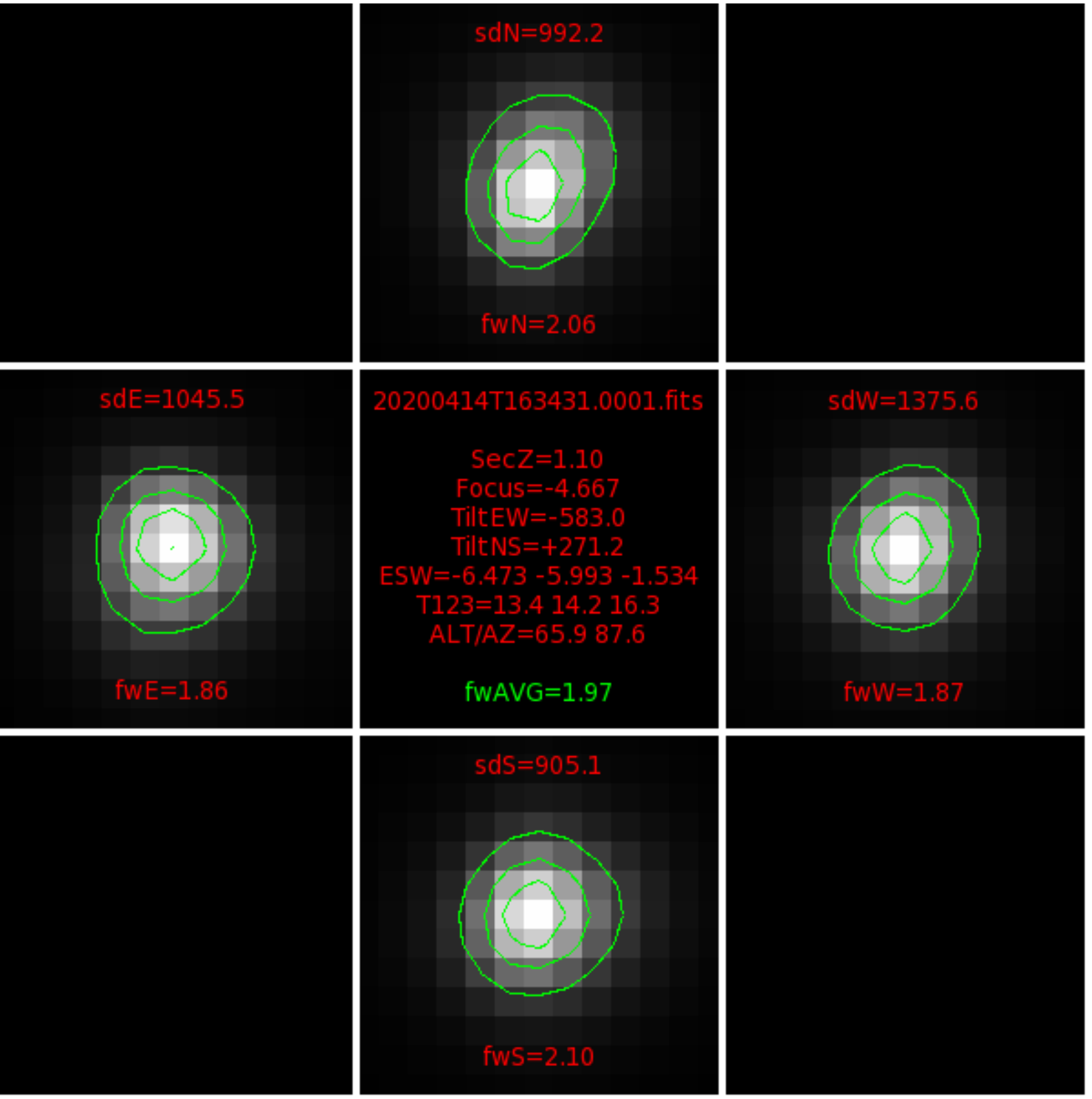
sdN=992.2
fwN=2.06
sdE=1045.5
fwE=1.86
20200414T163431.0001.fits
SecZ=1.10
Focus=-4.667
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.473 -5.993 -1.534
T123=13.4 14.2 16.3
ALT/AZ=65.9 87.6
fwAVG=1.97
sdW=1375.6
fwW=1.87
sdS=905.1
fwS=2.10
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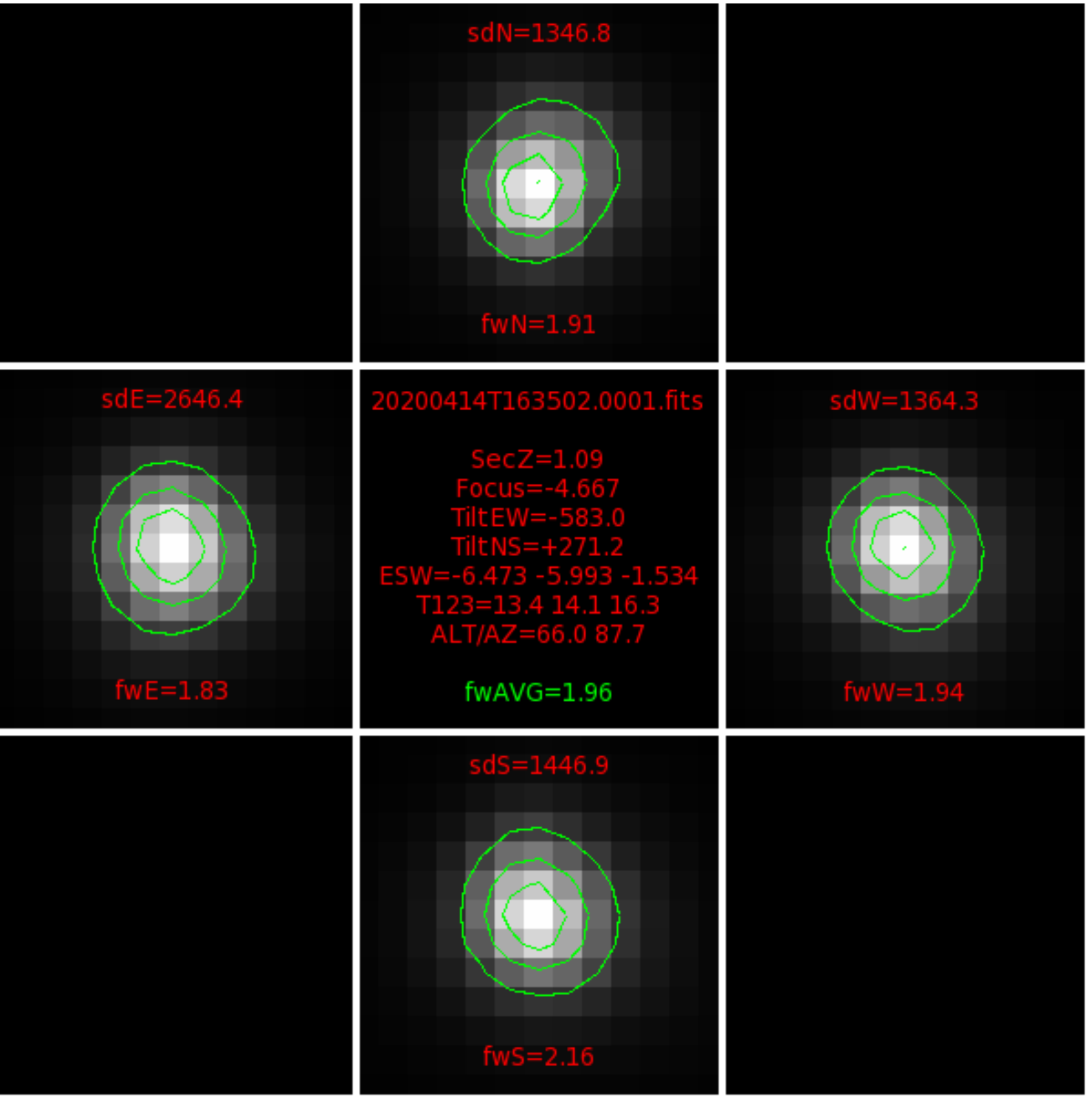
sdN=1346.8
fwN=1.91
sdE=2646.4
fwE=1.83
20200414T163502.0001.fits
SecZ=1.09
Focus=-4.667
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.473 -5.993 -1.534
T123=13.4 14.1 16.3
ALT/AZ=66.0 87.7
fwAVG=1.96
sdW=1364.3
fwW=1.94
sdS=1446.9
fwS=2.16
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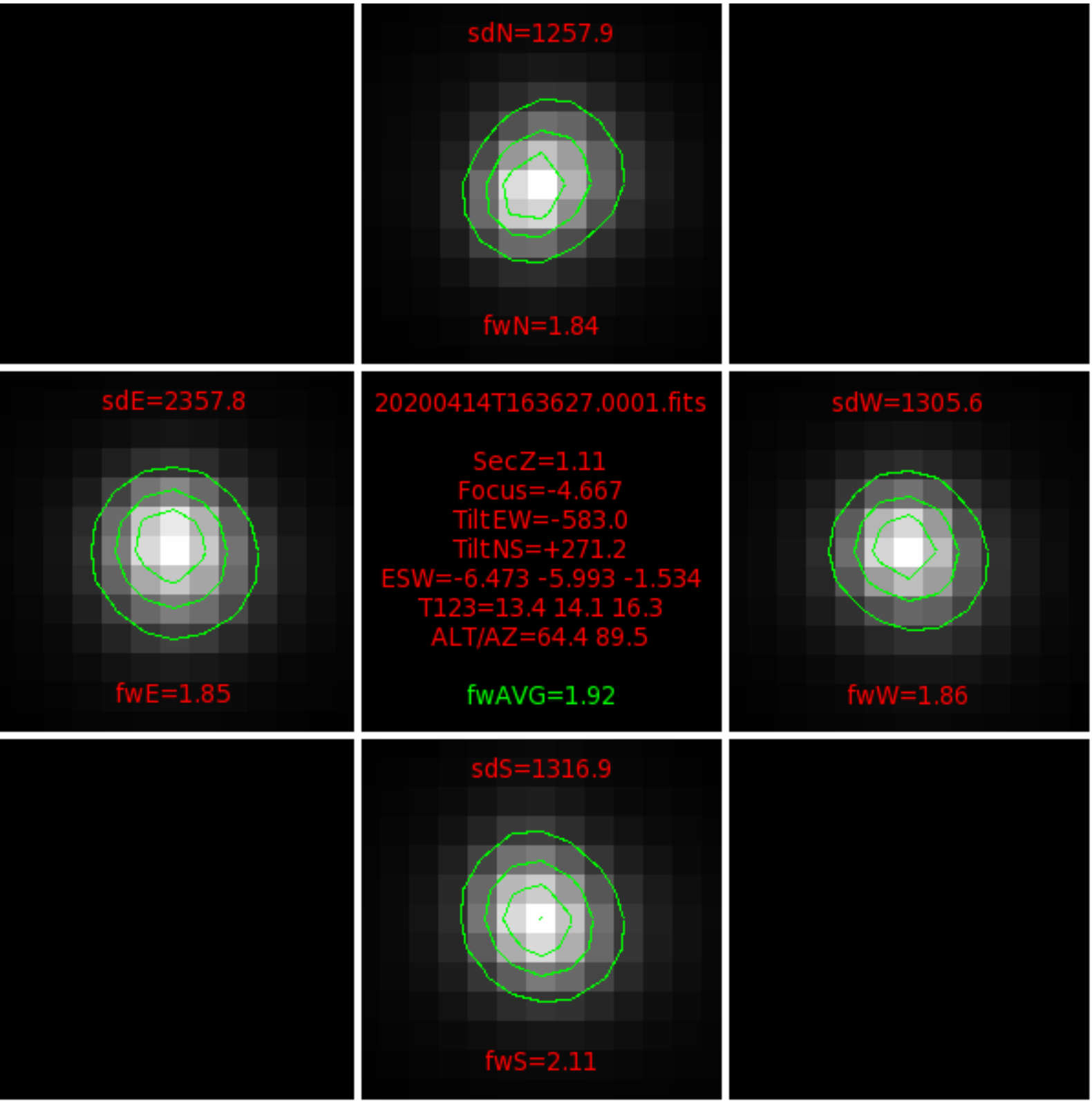
sdN=1257.9
fwN=1.84
sdE=2357.8
fwE=1.85
20200414T163627.0001.fits
SecZ=1.11
Focus=-4.667
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.473 -5.993 -1.534
T123=13.4 14.1 16.3
ALT/AZ=64.4 89.5
fwAVG=1.92
sdW=1305.6
fwW=1.86
sdS=1316.9
fwS=2.11
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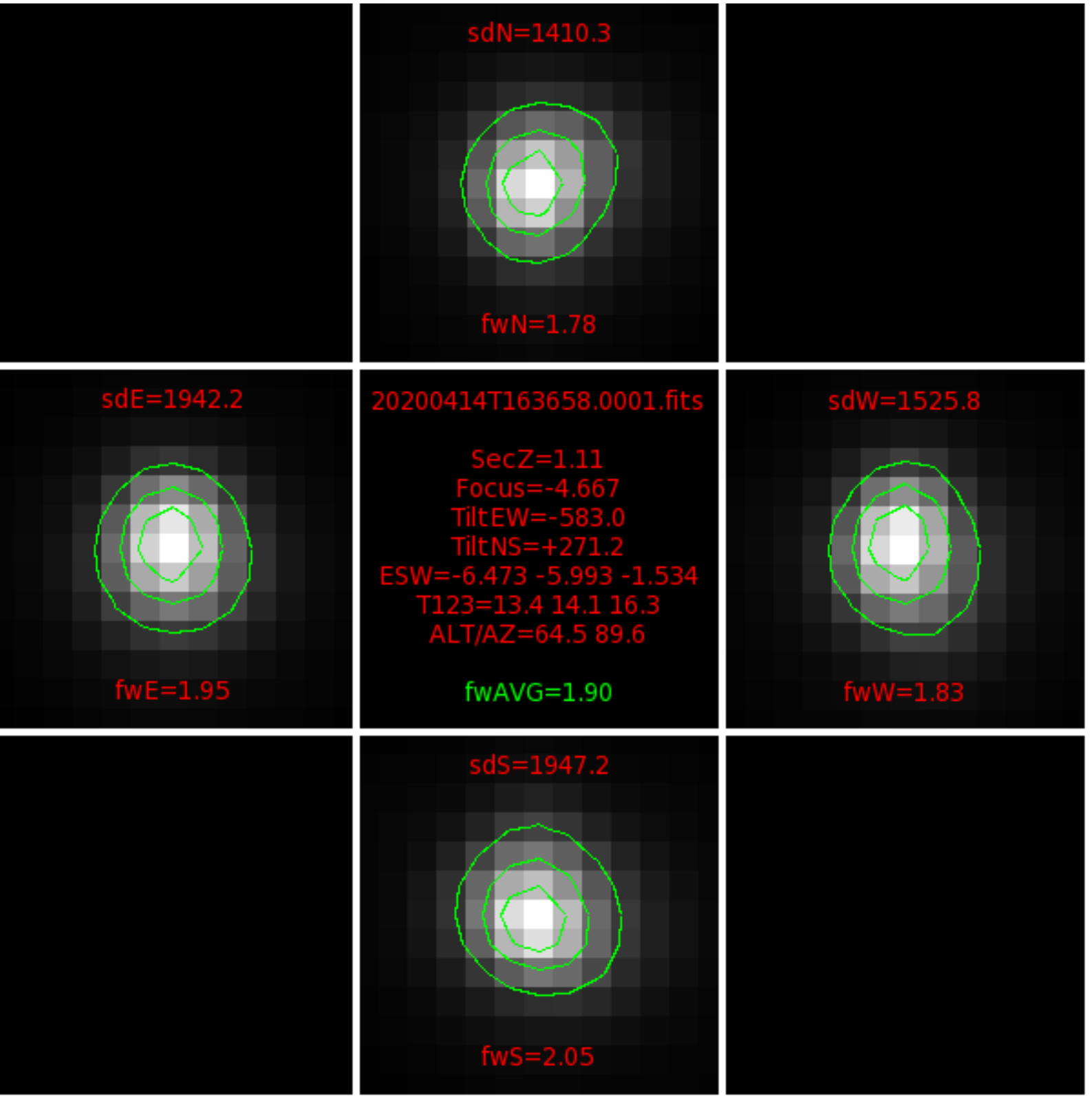
sdN=1410.3
fwN=1.78
sdE=1942.2
fwE=1.95
20200414T163658.0001.fits
SecZ=1.11
Focus=-4.667
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.473 -5.993 -1.534
T123=13.4 14.1 16.3
ALT/AZ=64.5 89.6
fwAVG=1.90
sdW=1525.8
fwW=1.83
sdS=1947.2
fwS=2.05
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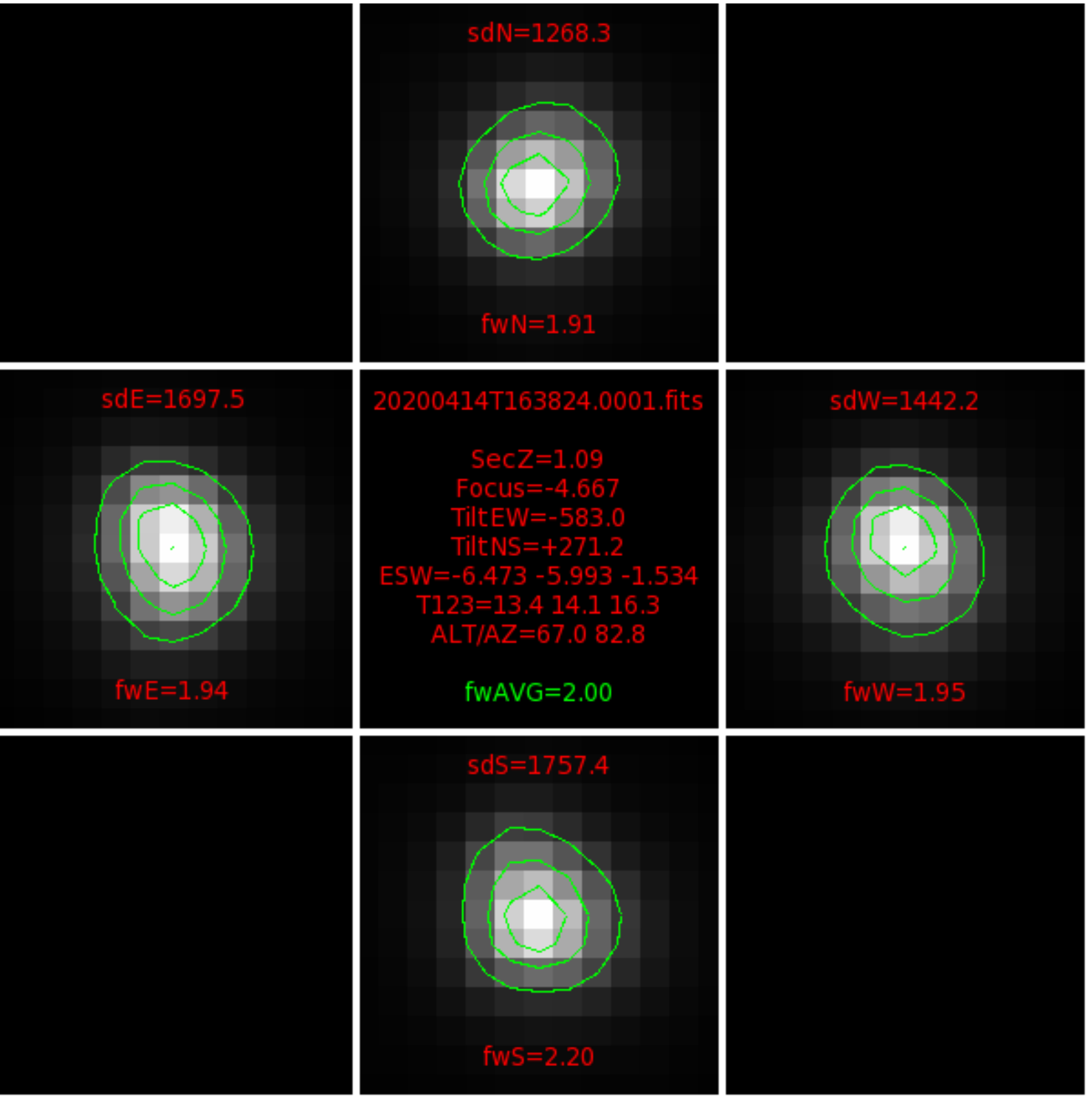
sdN=1268.3
fwN=1.91
sdE=1697.5
fwE=1.94
20200414T163824.0001.fits
SecZ=1.09
Focus=-4.667
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.473 -5.993 -1.534
T123=13.4 14.1 16.3
ALT/AZ=67.0 82.8
fwAVG=2.00
sdW=1442.2
fwW=1.95
sdS=1757.4
fwS=2.20
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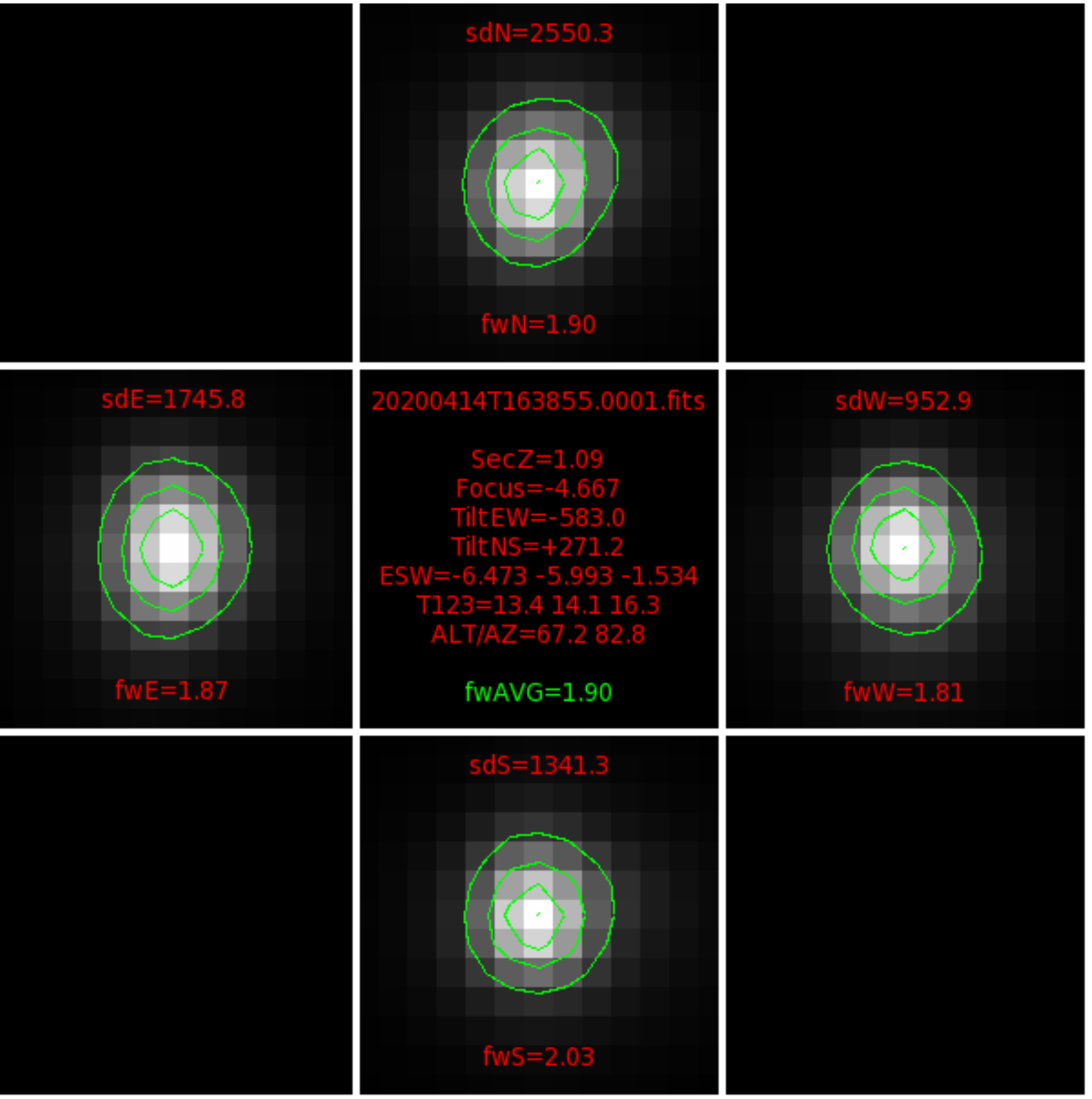
sdN=2550.3
fwN=1.90
sdE=1745.8
fwE=1.87
20200414T163855.0001.fits
SecZ=1.09
Focus=-4.667
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.473 -5.993 -1.534
T123=13.4 14.1 16.3
ALT/AZ=67.2 82.8
fwAVG=1.90
sdW=952.9
fwW=1.81
sdS=1341.3
fwS=2.03
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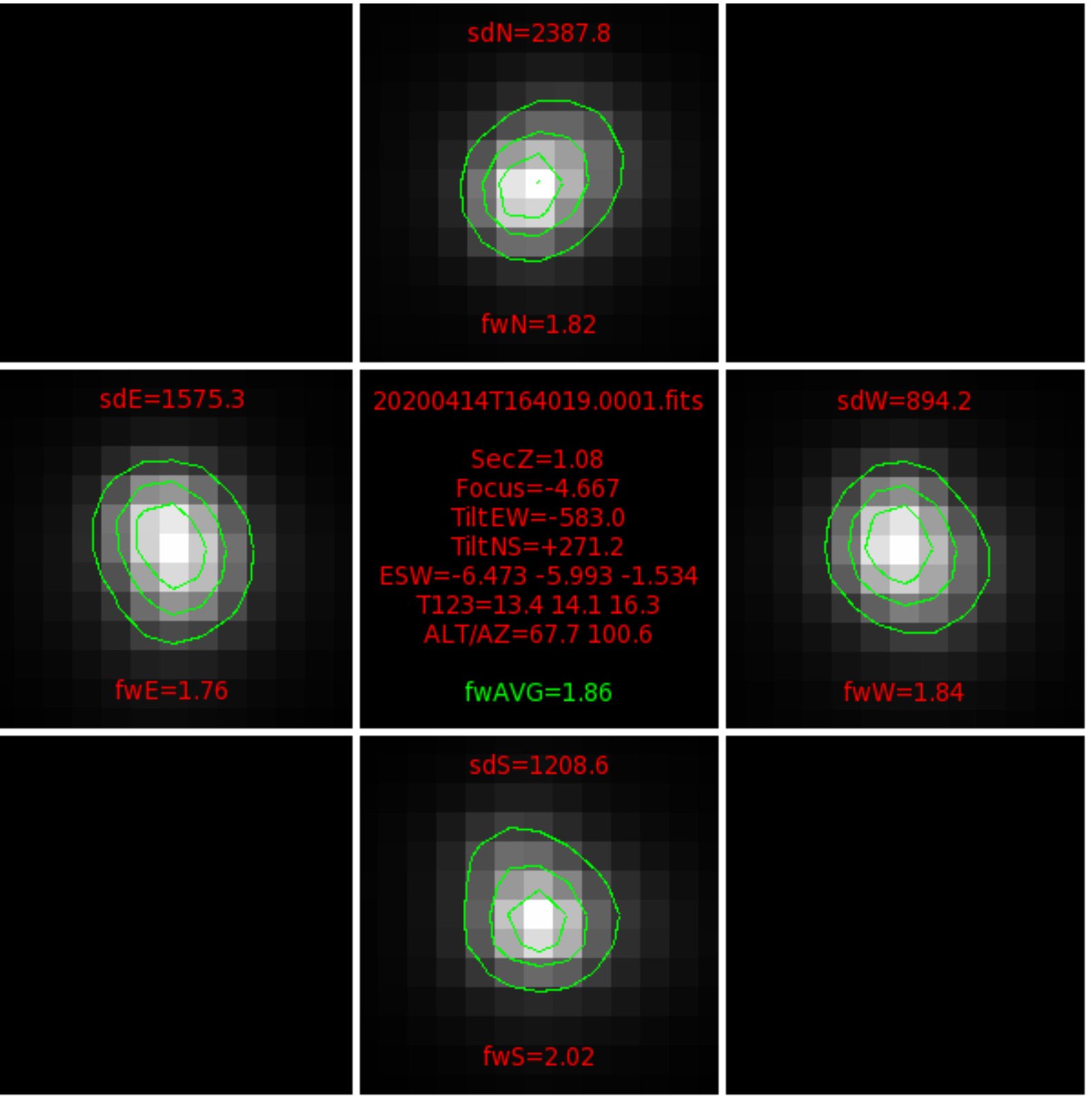
sdN=2387.8
fwN=1.82
sdE=1575.3
fwE=1.76
20200414T164019.0001.fits
SecZ=1.08
Focus=-4.667
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.473 -5.993 -1.534
T123=13.4 14.1 16.3
ALT/AZ=67.7 100.6
fwAVG=1.86
sdW=894.2
fwW=1.84
sdS=1208.6
fwS=2.02
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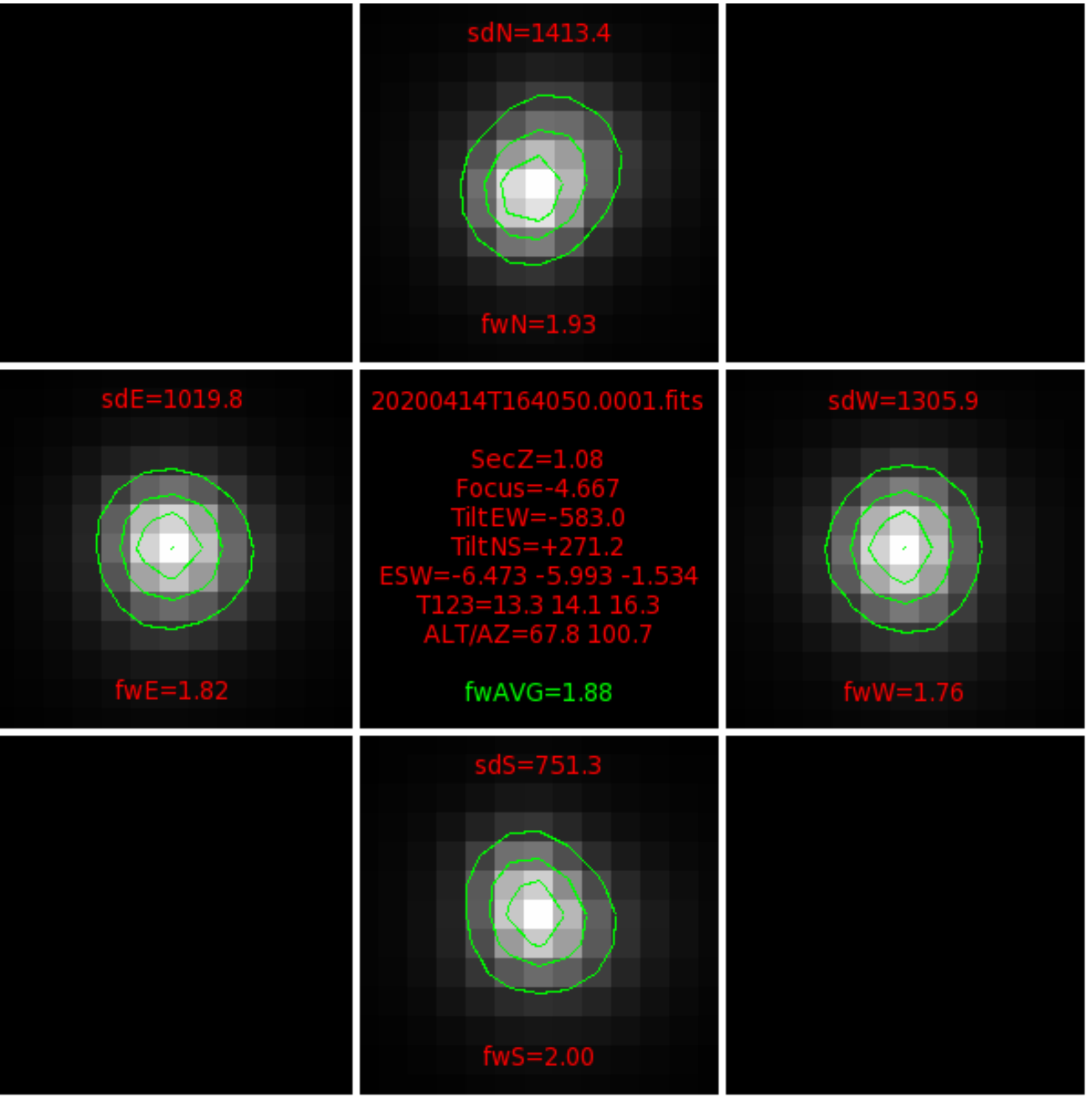
sdN=1413.4
fwN=1.93
sdE=1019.8
fwE=1.82
20200414T164050.0001.fits
SecZ=1.08
Focus=-4.667
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.473 -5.993 -1.534
T123=13.3 14.1 16.3
ALT/AZ=67.8 100.7
fwAVG=1.88
sdW=1305.9
fwW=1.76
sdS=751.3
fwS=2.00
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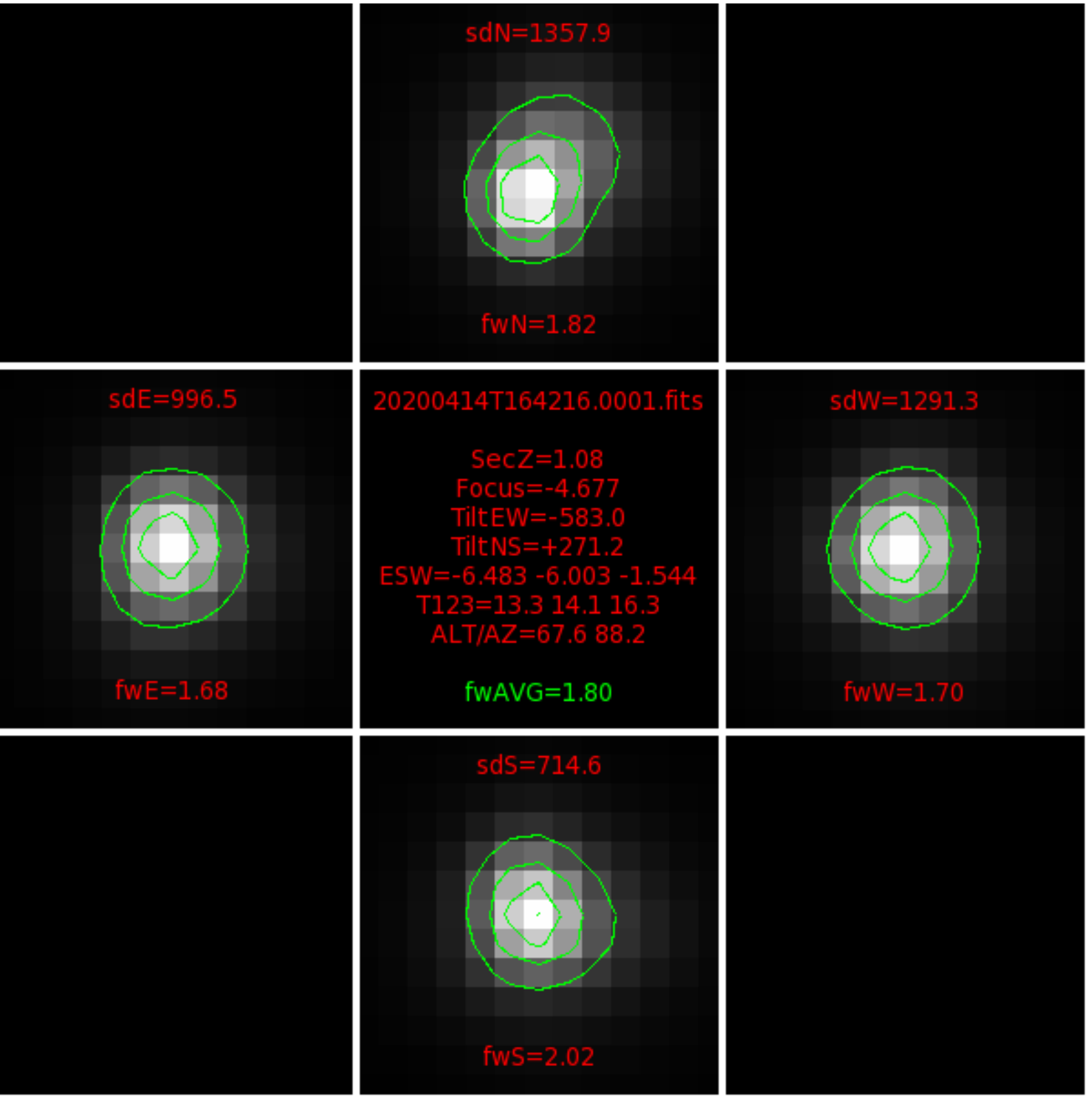
sdN=1357.9
fwN=1.82
sdE=996.5
fwE=1.68
20200414T164216.0001.fits
SecZ=1.08
Focus=-4.677
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.483 -6.003 -1.544
T123=13.3 14.1 16.3
ALT/AZ=67.6 88.2
fwAVG=1.80
sdW=1291.3
fwW=1.70
sdS=714.6
fwS=2.02
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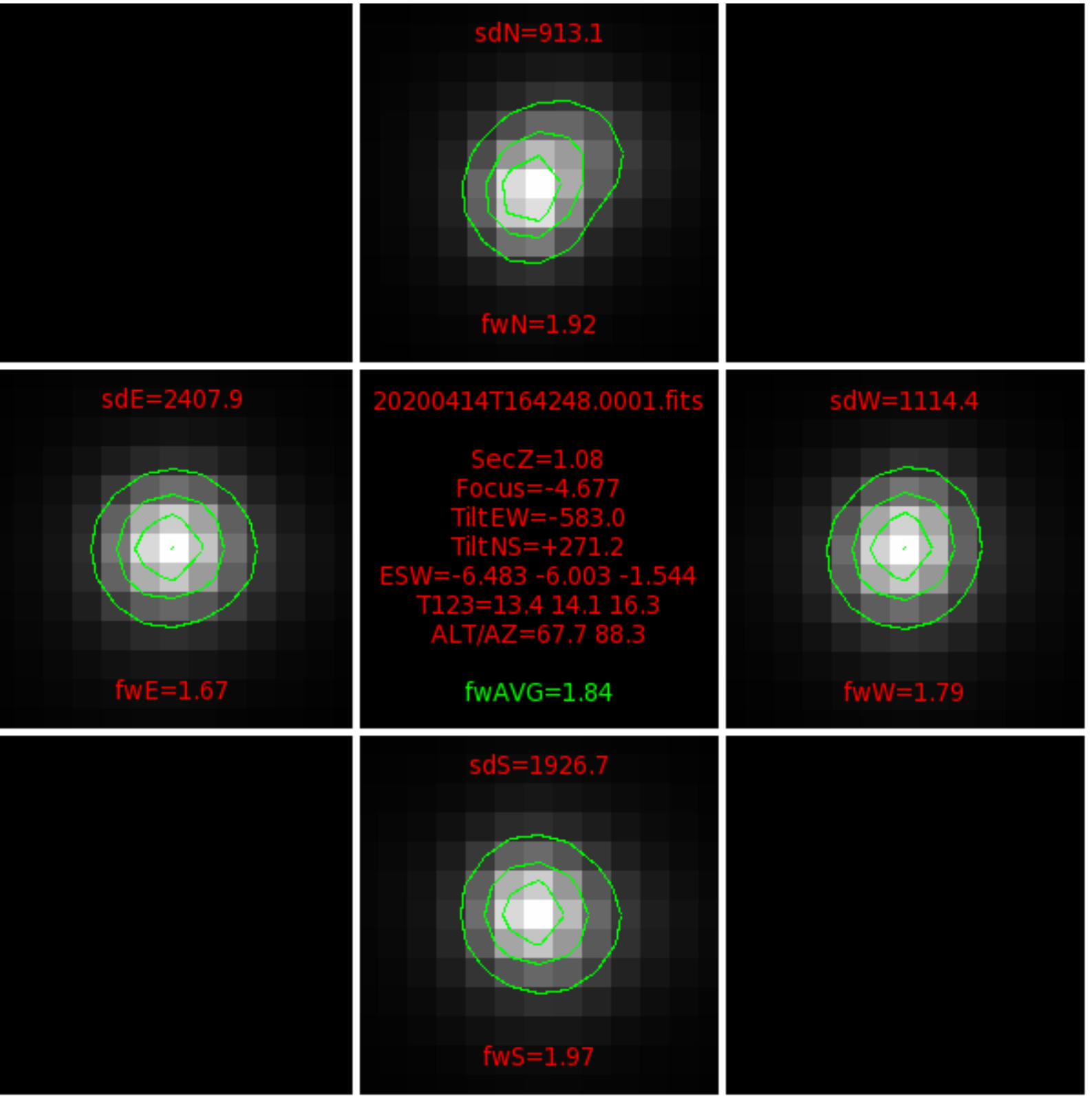
sdN=913.1
fwN=1.92
sdE=2407.9
fwE=1.67
20200414T164248.0001.fits
SecZ=1.08
Focus=-4.677
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.483 -6.003 -1.544
T123=13.4 14.1 16.3
ALT/AZ=67.7 88.3
fwAVG=1.84
sdW=1114.4
fwW=1.79
sdS=1926.7
fwS=1.97
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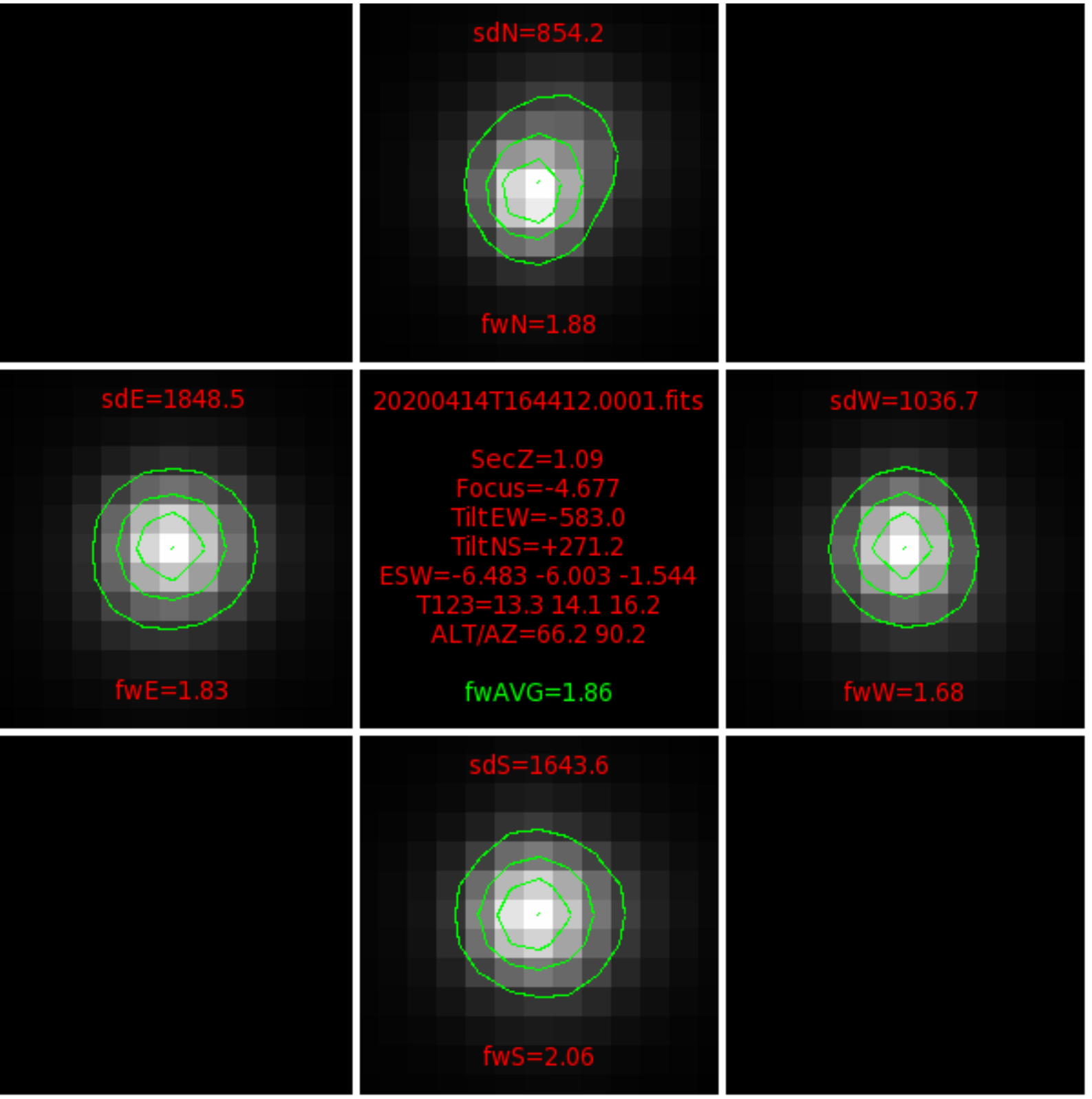
sdN=854.2
fwN=1.88
sdE=1848.5
fwE=1.83
20200414T164412.0001.fits
SecZ=1.09
Focus=-4.677
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.483 -6.003 -1.544
T123=13.3 14.1 16.2
ALT/AZ=66.2 90.2
fwAVG=1.86
sdW=1036.7
fwW=1.68
sdS=1643.6
fwS=2.06
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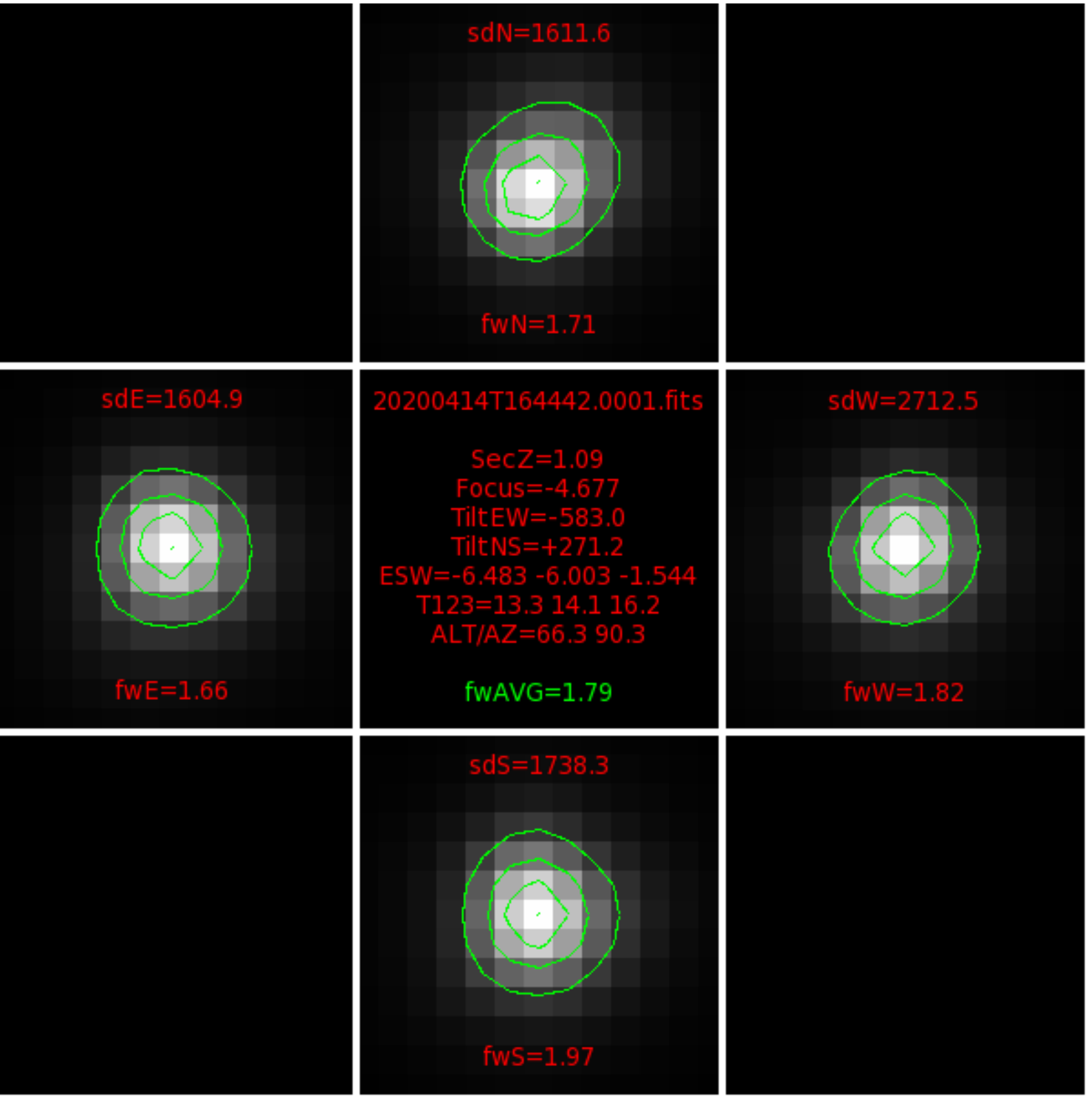
sdN=1611.6
fwN=1.71
sdE=1604.9
fwE=1.66
20200414T164442.0001.fits
SecZ=1.09
Focus=-4.677
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.483 -6.003 -1.544
T123=13.3 14.1 16.2
ALT/AZ=66.3 90.3
fwAVG=1.79
sdW=2712.5
fwW=1.82
sdS=1738.3
fwS=1.97
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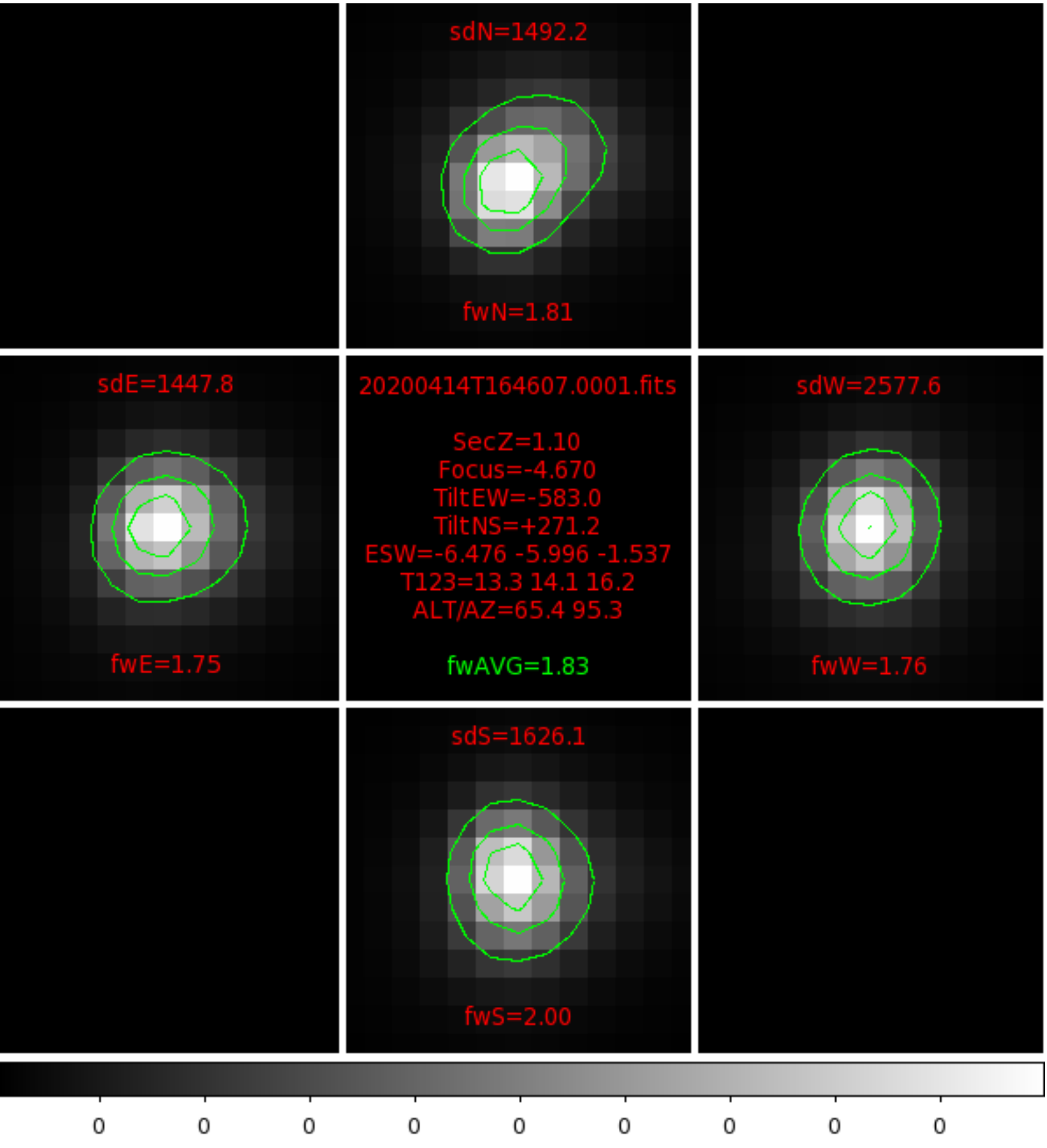
sdN=1492.2
fwN=1.81
sdE=1447.8
fwE=1.75
20200414T164607.0001.fits
SecZ=1.10
Focus=-4.670
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.476 -5.996 -1.537
T123=13.3 14.1 16.2
ALT/AZ=65.4 95.3
fwAVG=1.83
sdW=2577.6
fwW=1.76
sdS=1626.1
fwS=2.00
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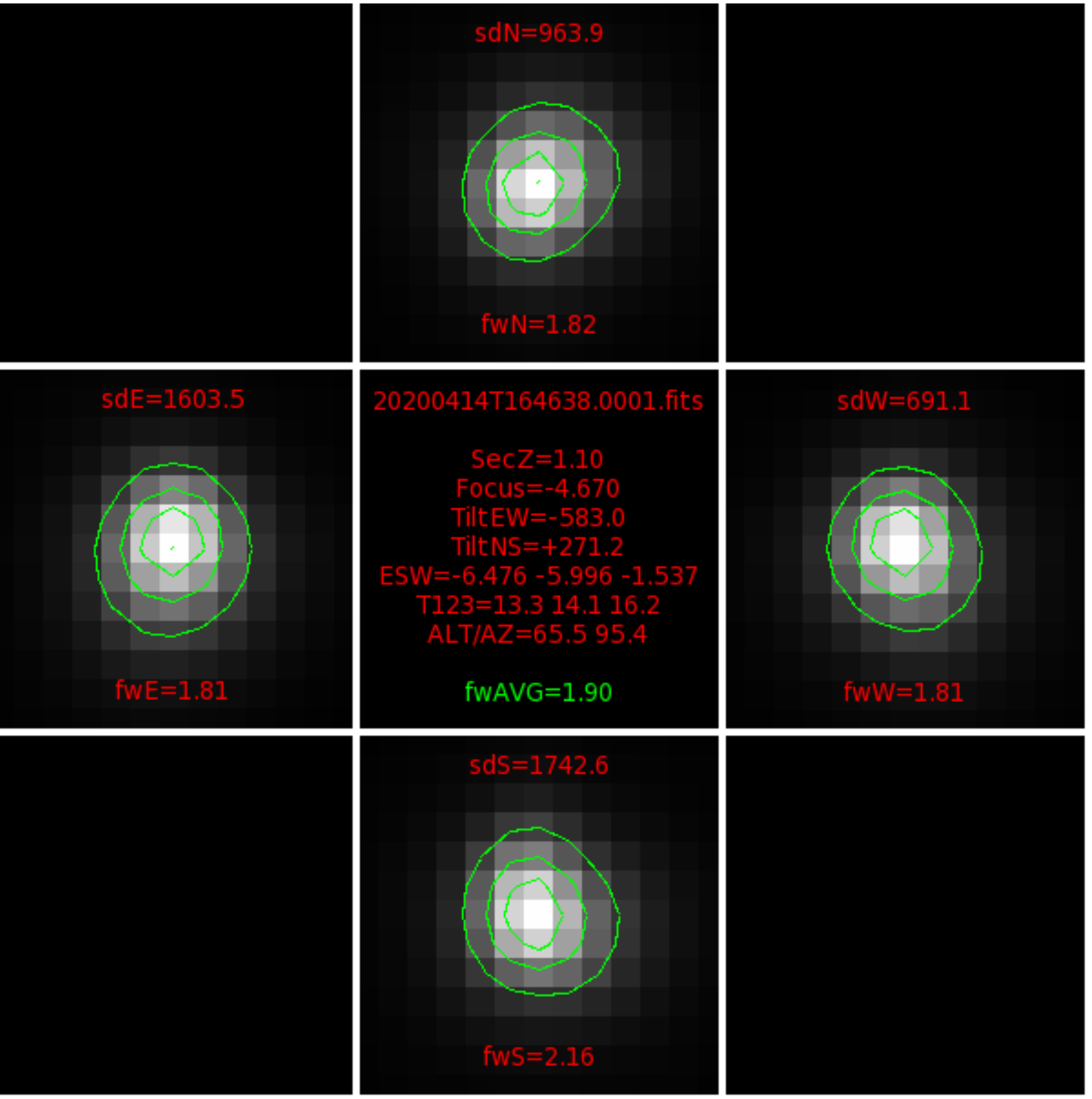
sdN=963.9
fwN=1.82
sdE=1603.5
fwE=1.81
20200414T164638.0001.fits
SecZ=1.10
Focus=-4.670
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.476 -5.996 -1.537
T123=13.3 14.1 16.2
ALT/AZ=65.5 95.4
fwAVG=1.90
sdW=691.1
fwW=1.81
sdS=1742.6
fwS=2.16
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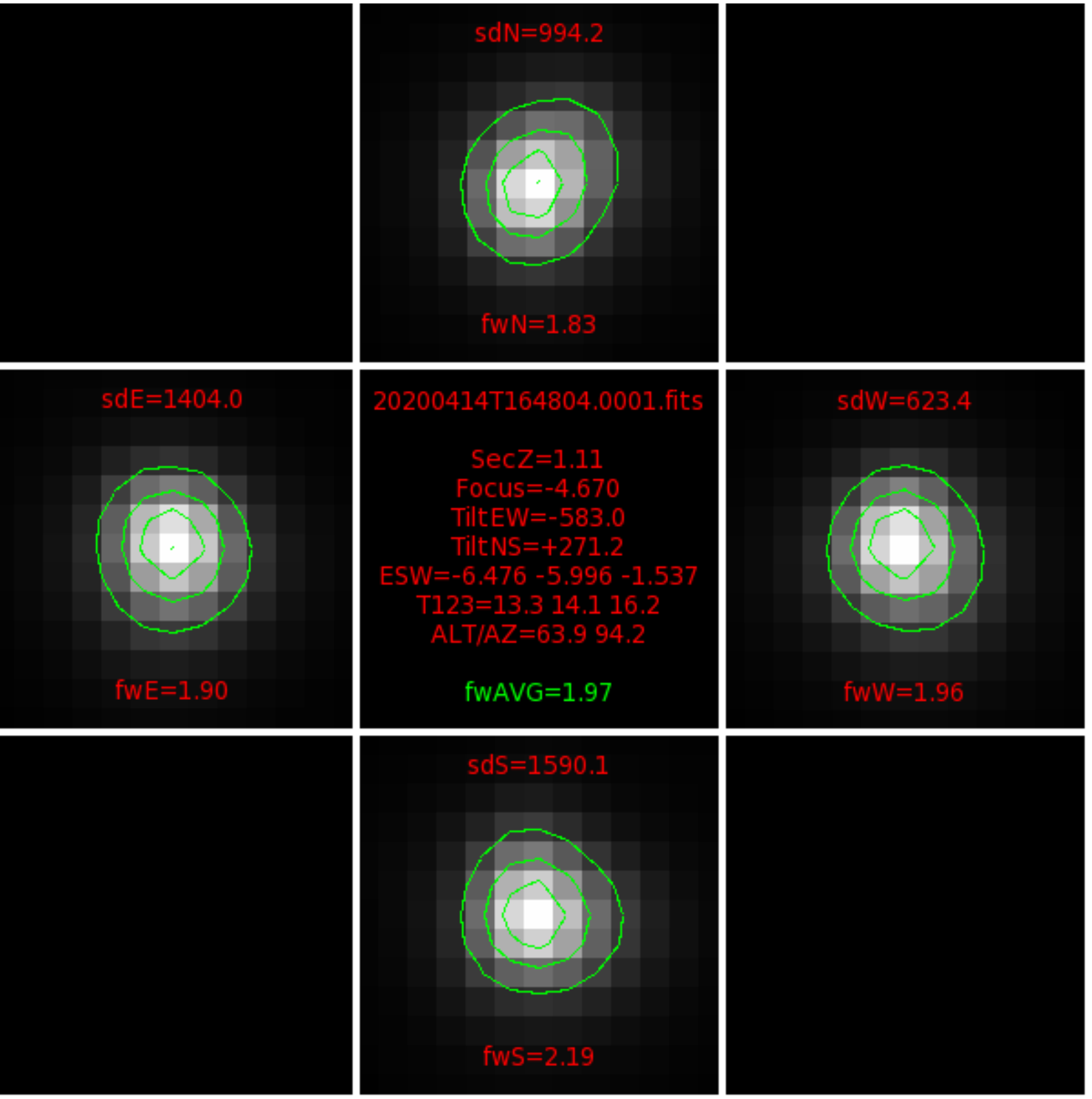
sdN=994.2
fwN=1.83
sdE=1404.0
fwE=1.90
20200414T164804.0001.fits
SecZ=1.11
Focus=-4.670
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.476 -5.996 -1.537
T123=13.3 14.1 16.2
ALT/AZ=63.9 94.2
fwAVG=1.97
sdW=623.4
fwW=1.96
sdS=1590.1
fwS=2.19
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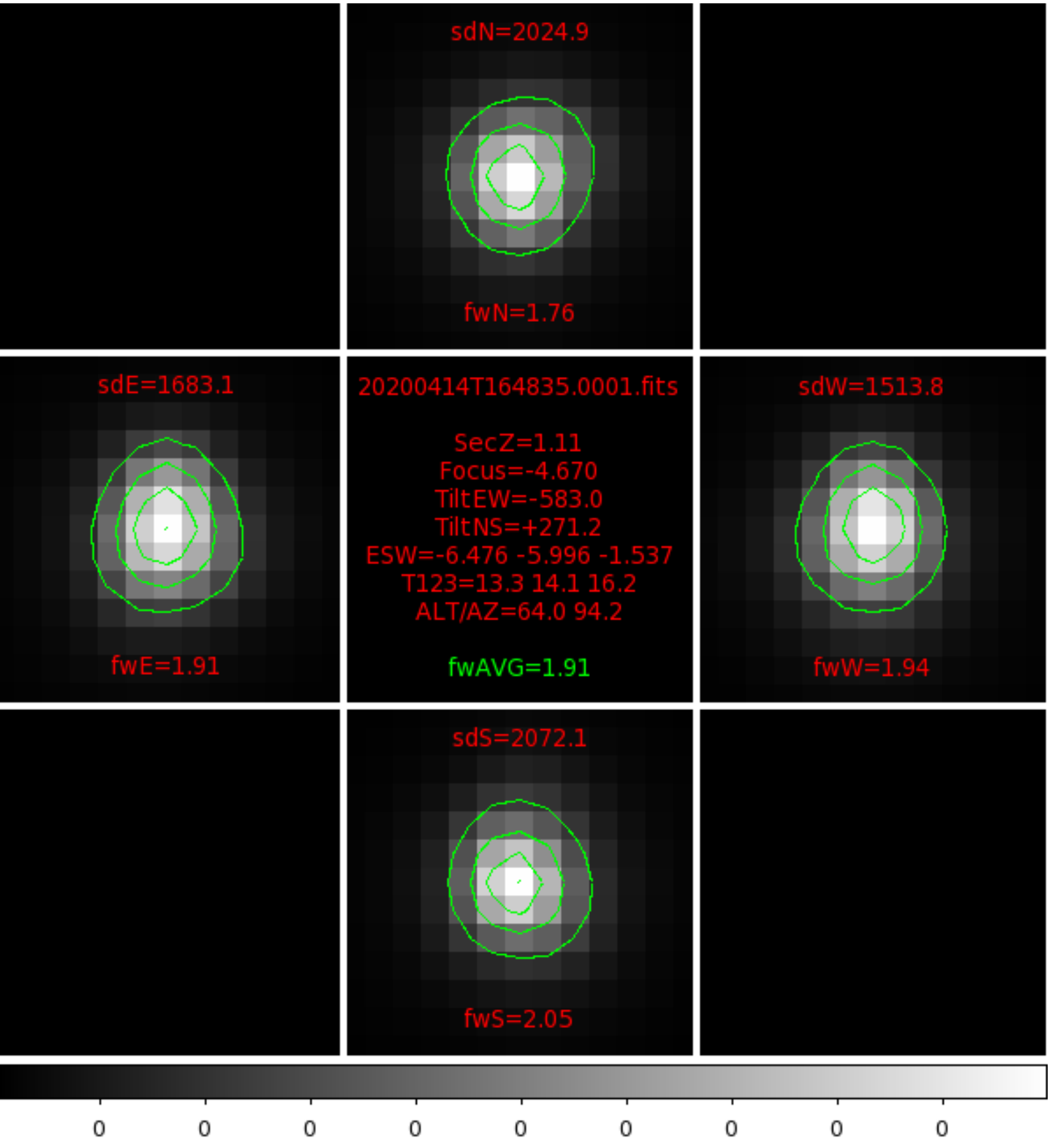
sdN=2024.9
fwN=1.76
sdE=1683.1
fwE=1.91
20200414T164835.0001.fits
SecZ=1.11
Focus=-4.670
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.476 -5.996 -1.537
T123=13.3 14.1 16.2
ALT/AZ=64.0 94.2
fwAVG=1.91
sdW=1513.8
fwW=1.94
sdS=2072.1
fwS=2.05
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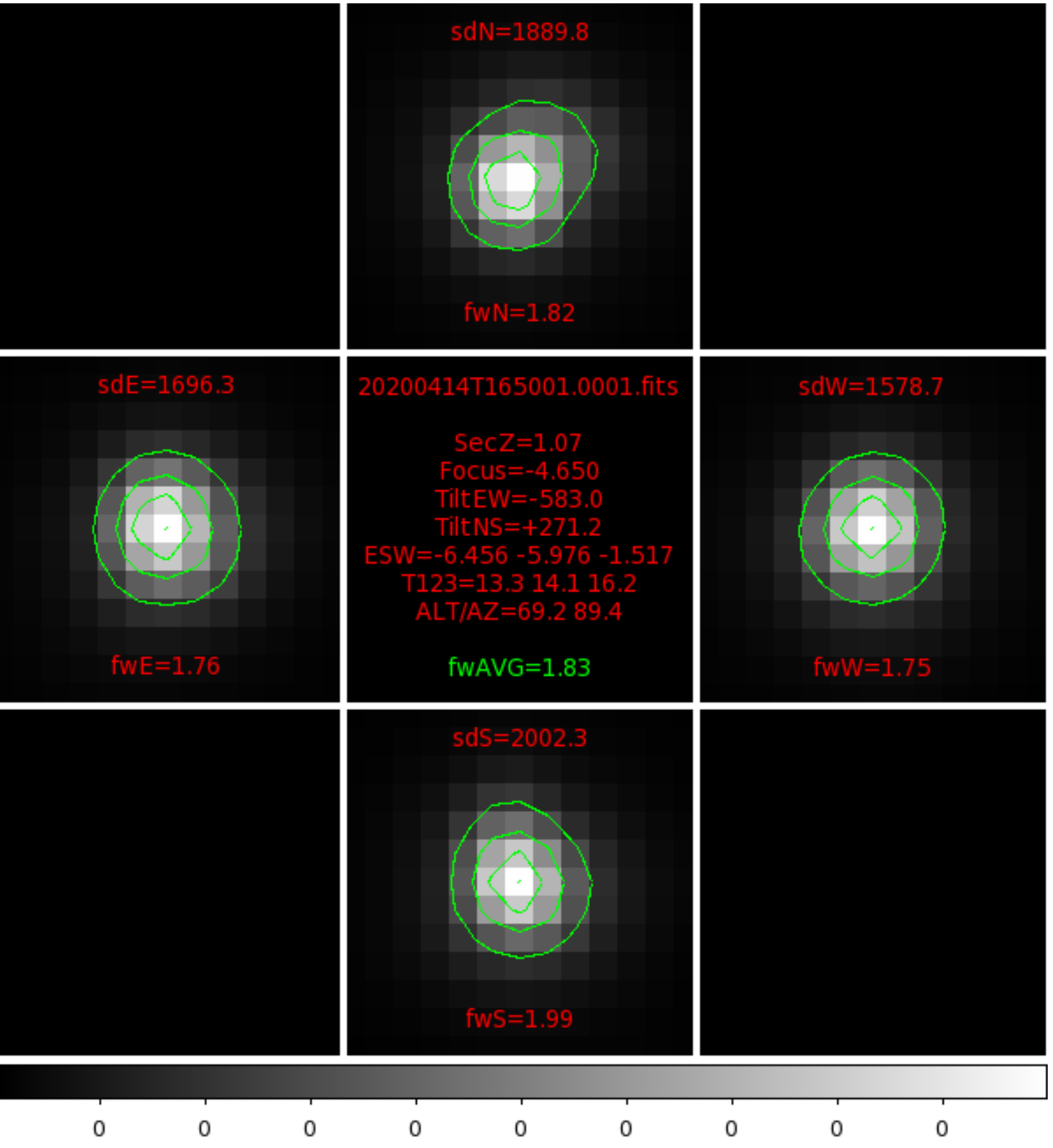
sdN=1889.8
fwN=1.82
sdE=1696.3
fwE=1.76
20200414T165001.0001.fits
SecZ=1.07
Focus=-4.650
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.456 -5.976 -1.517
T123=13.3 14.1 16.2
ALT/AZ=69.2 89.4
fwAVG=1.83
sdW=1578.7
fwW=1.75
sdS=2002.3
fwS=1.99
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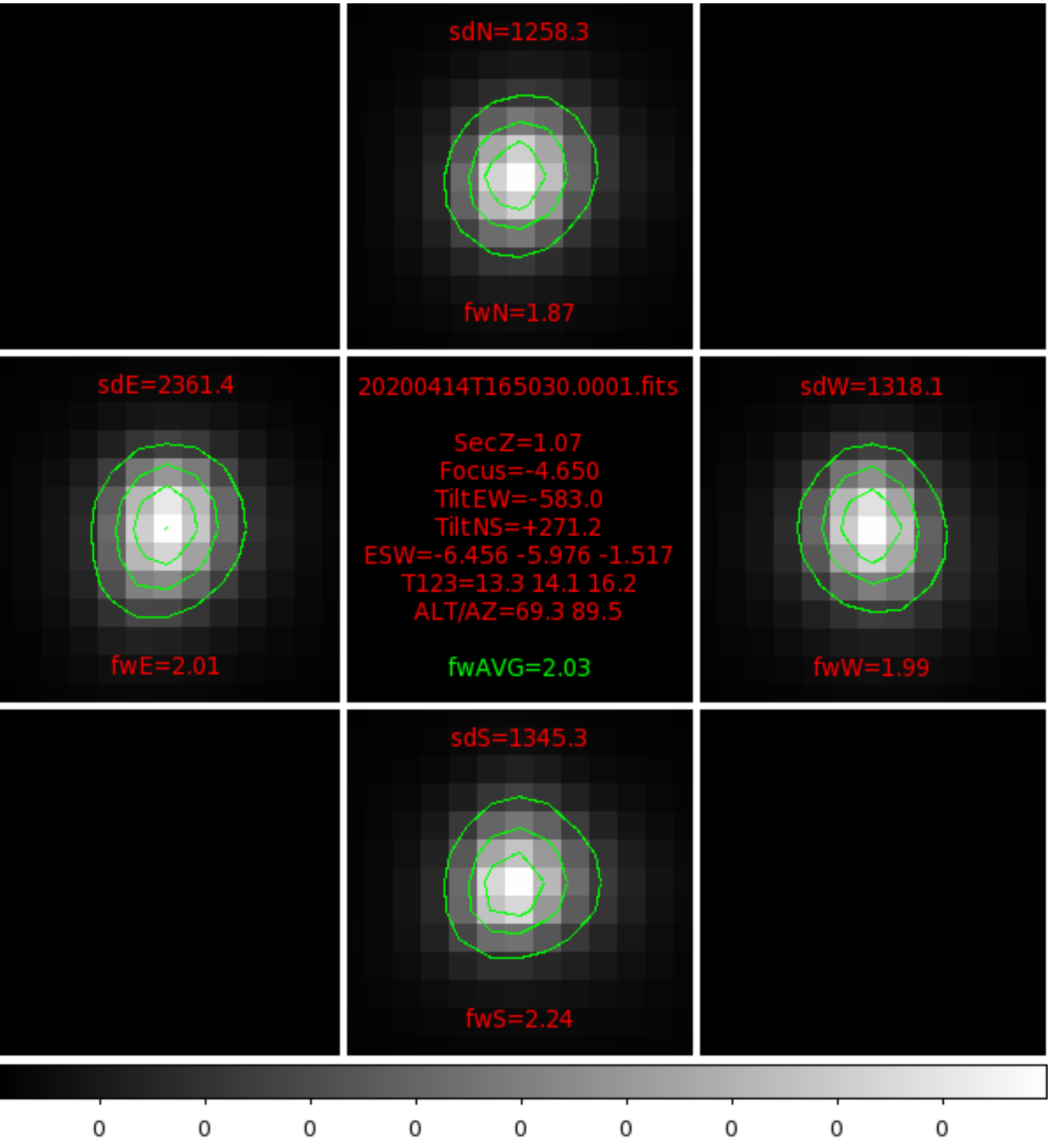
sdN=1258.3
fwN=1.87
sdE=2361.4
fwE=2.01
20200414T165030.0001.fits
SecZ=1.07
Focus=-4.650
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.456 -5.976 -1.517
T123=13.3 14.1 16.2
ALT/AZ=69.3 89.5
fwAVG=2.03
sdW=1318.1
fwW=1.99
sdS=1345.3
fwS=2.24
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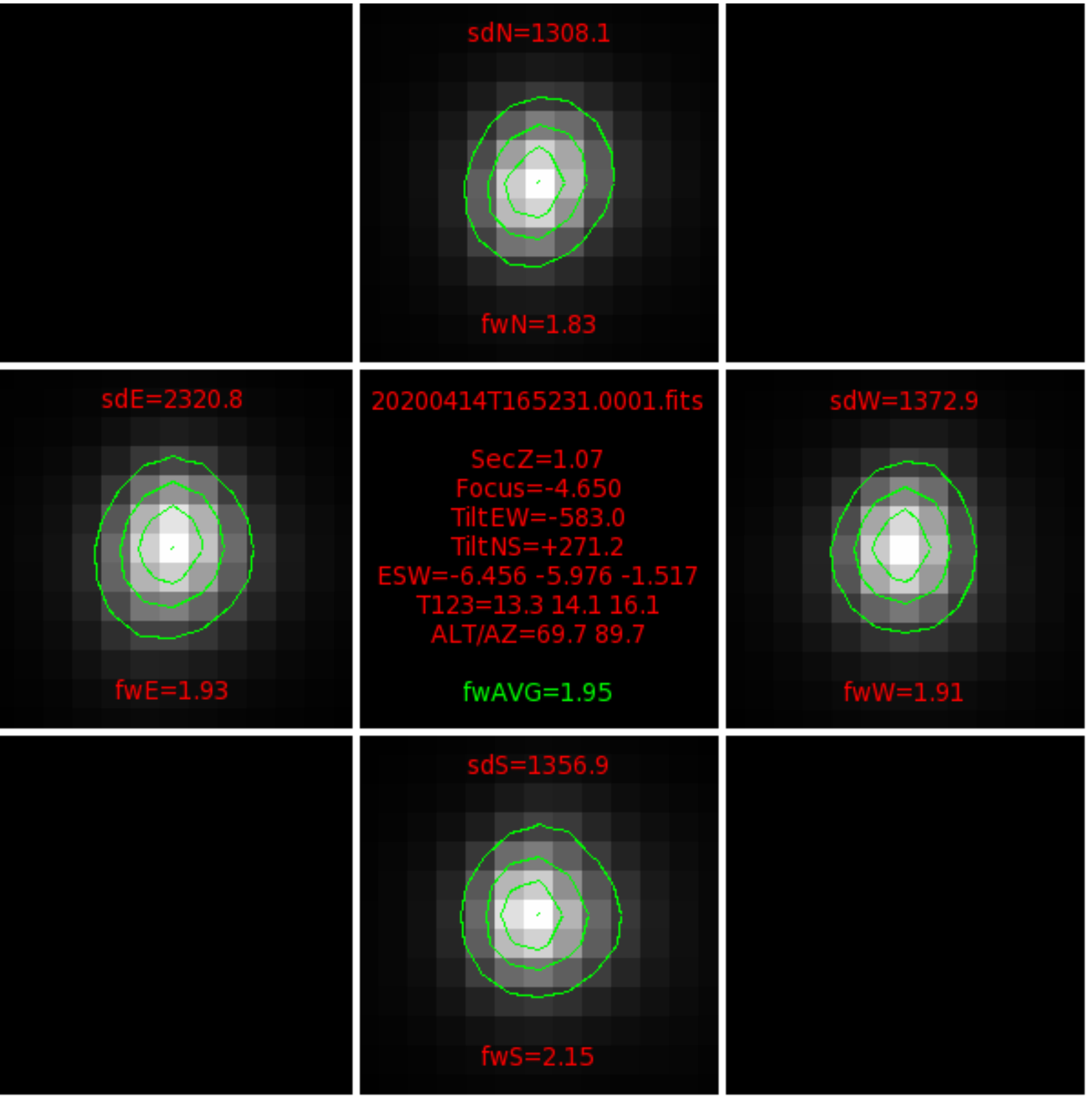
sdN=1308.1
fwN=1.83
sdE=2320.8
fwE=1.93
20200414T165231.0001.fits
SecZ=1.07
Focus=-4.650
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.456 -5.976 -1.517
T123=13.3 14.1 16.1
ALT/AZ=69.7 89.7
fwAVG=1.95
sdW=1372.9
fwW=1.91
sdS=1356.9
fwS=2.15
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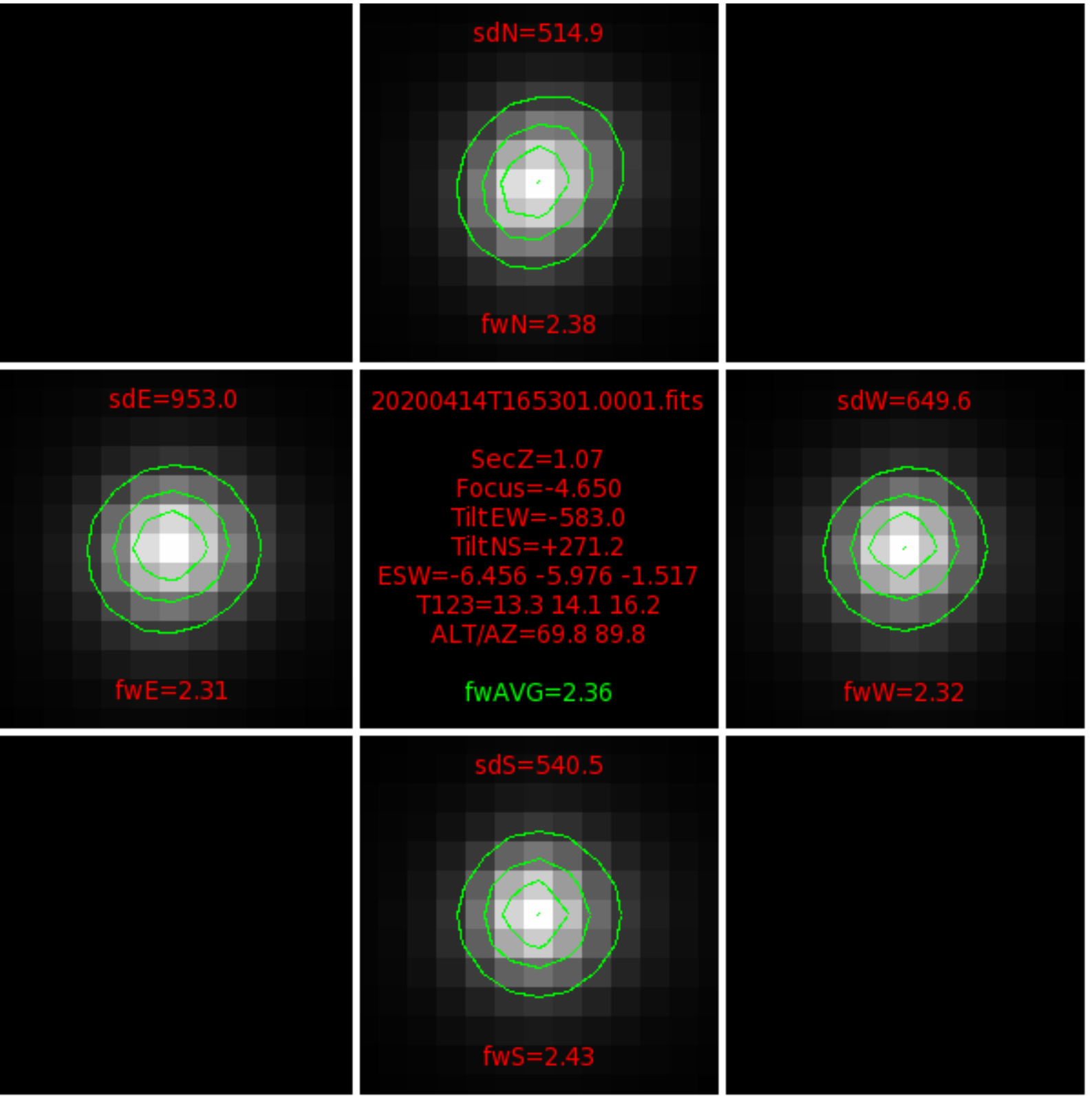
sdN=514.9
fwN=2.38
sdE=953.0
fwE=2.31
20200414T165301.0001.fits
SecZ=1.07
Focus=-4.650
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.456 -5.976 -1.517
T123=13.3 14.1 16.2
ALT/AZ=69.8 89.8
fwAVG=2.36
sdW=649.6
fwW=2.32
sdS=540.5
fwS=2.43
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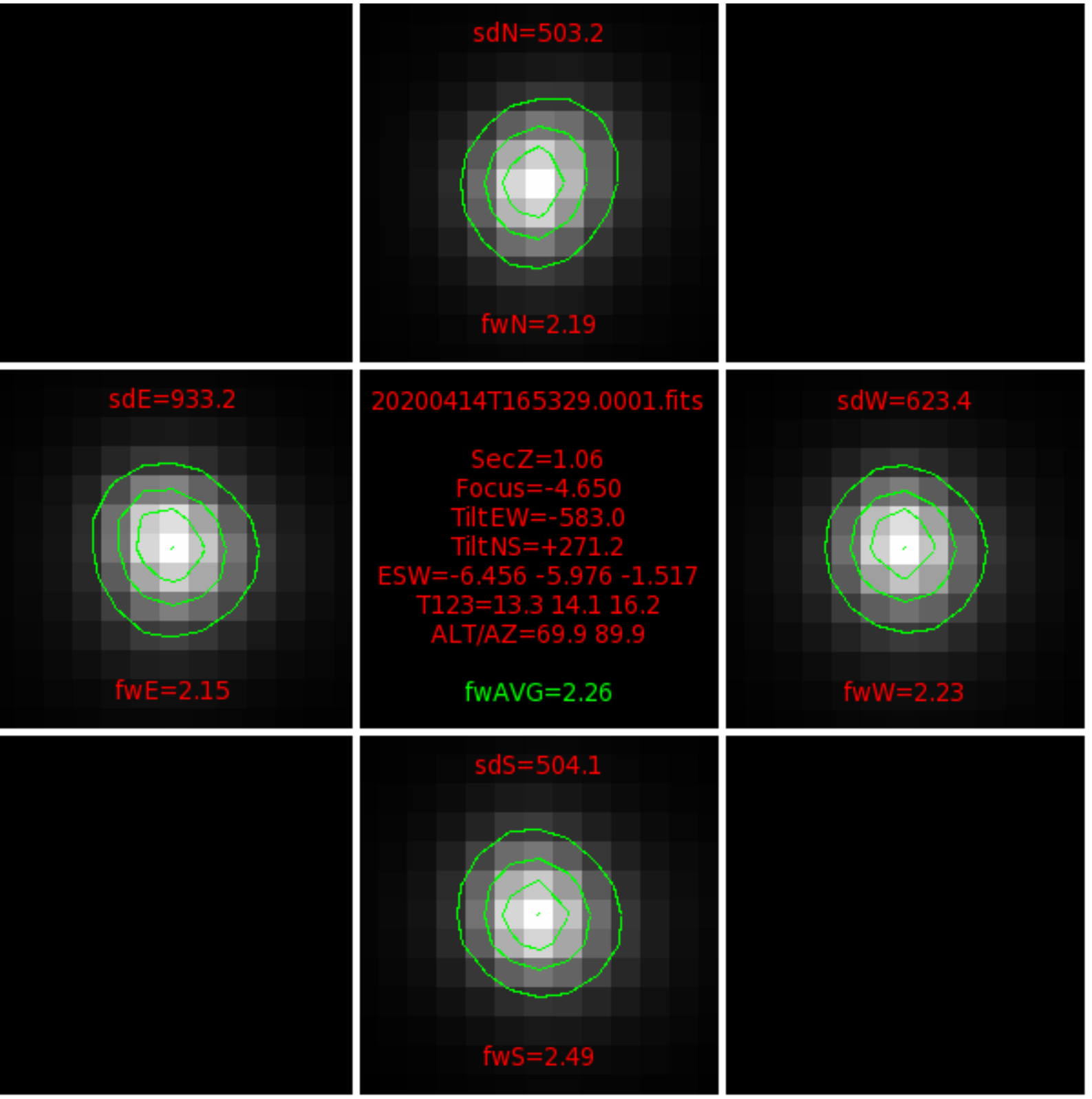
sdN=503.2
fwN=2.19
sdE=933.2
fwE=2.15
20200414T165329.0001.fits
SecZ=1.06
Focus=-4.650
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.456 -5.976 -1.517
T123=13.3 14.1 16.2
ALT/AZ=69.9 89.9
fwAVG=2.26
sdW=623.4
fwW=2.23
sdS=504.1
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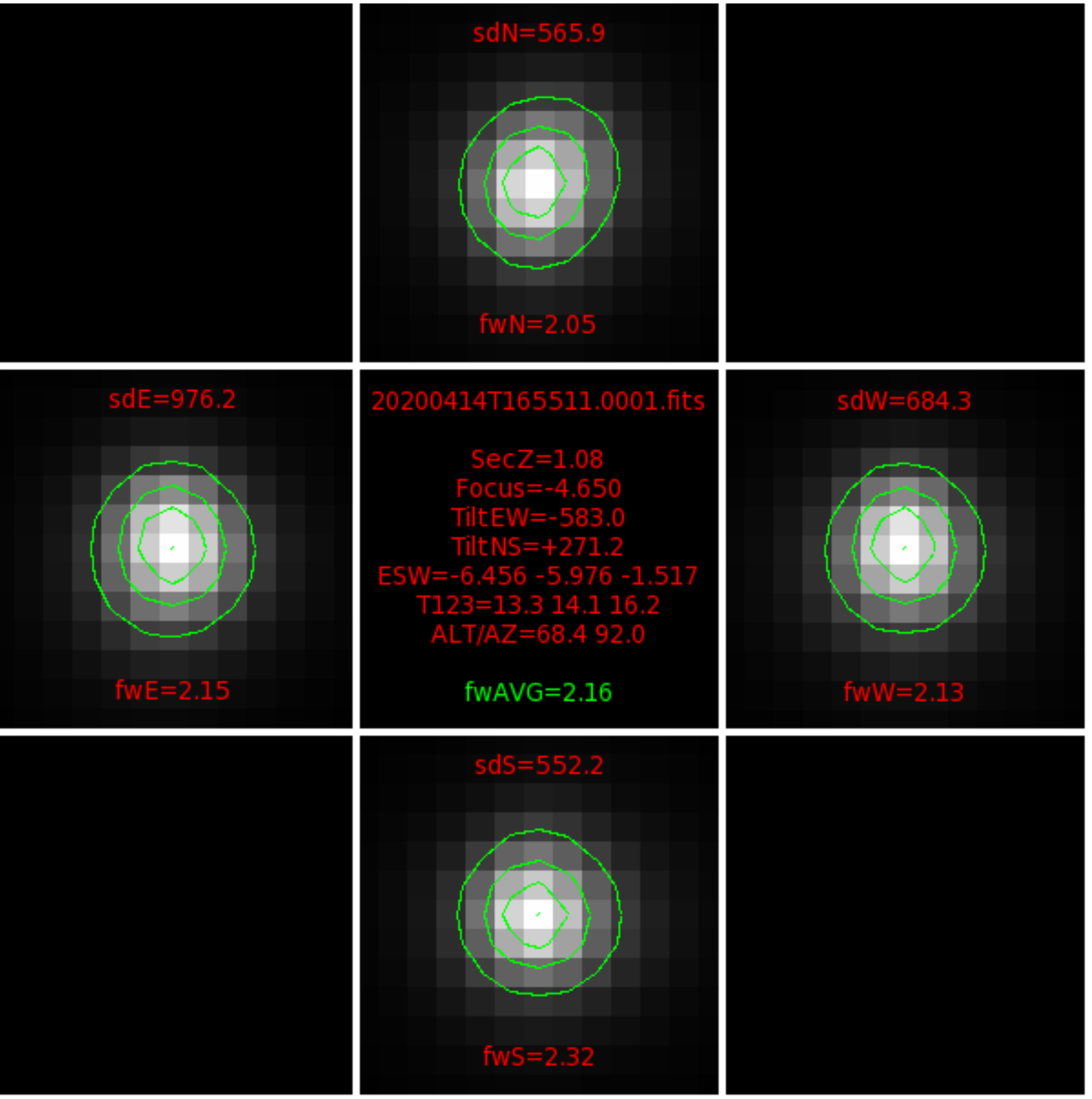
sdN=565.9
fwN=2.05
sdE=976.2
fwE=2.15
20200414T165511.0001.fits
SecZ=1.08
Focus=-4.650
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.456 -5.976 -1.517
T123=13.3 14.1 16.2
ALT/AZ=68.4 92.0
fwAVG=2.16
sdW=684.3
fwW=2.13
sdS=552.2
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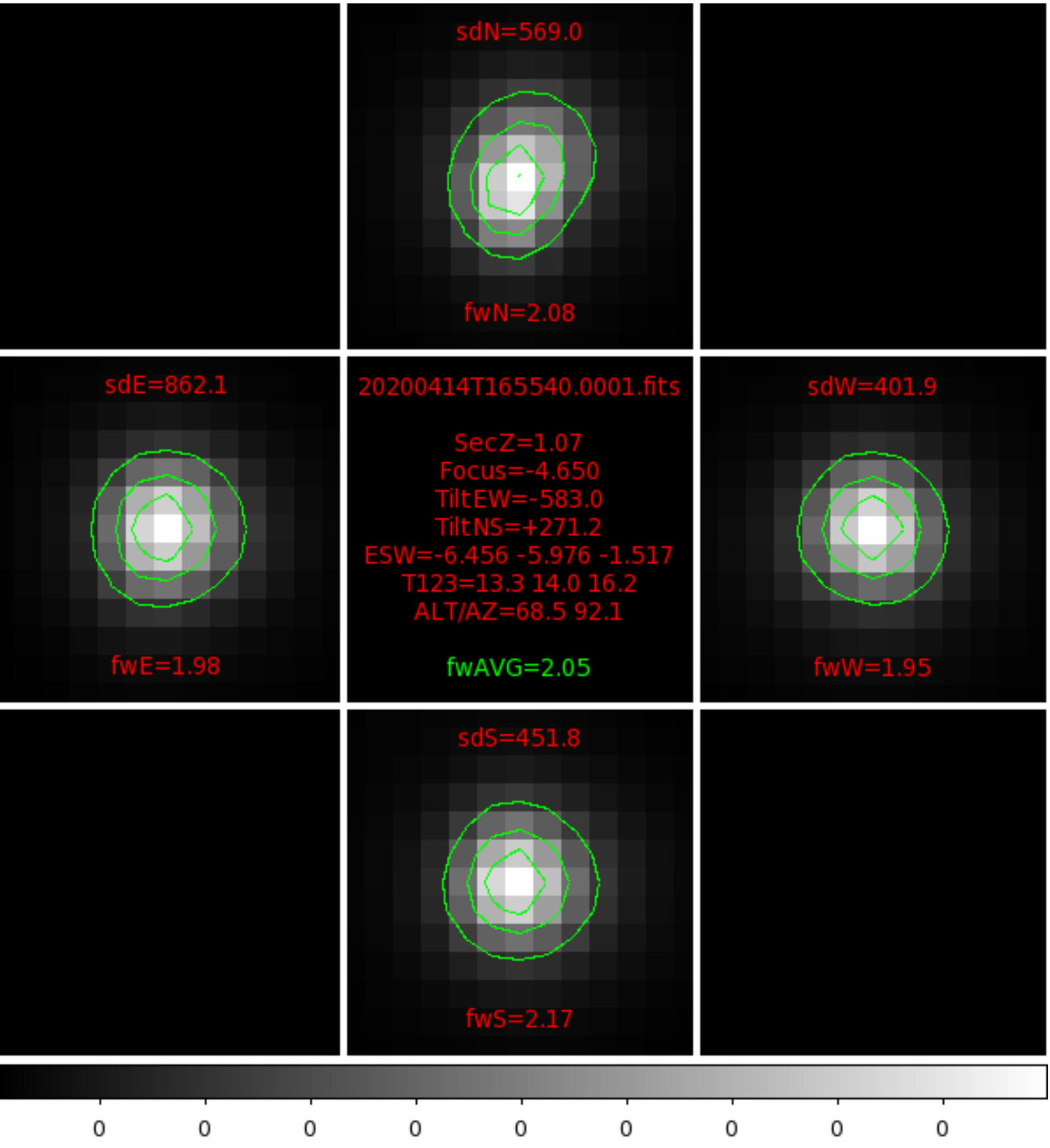
sdN=569.0
fwN=2.08
sdE=862.1
fwE=1.98
20200414T165540.0001.fits
SecZ=1.07
Focus=-4.650
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.456 -5.976 -1.517
T123=13.3 14.0 16.2
ALT/AZ=68.5 92.1
fwAVG=2.05
sdW=401.9
fwW=1.95
sdS=451.8
fwS=2.17
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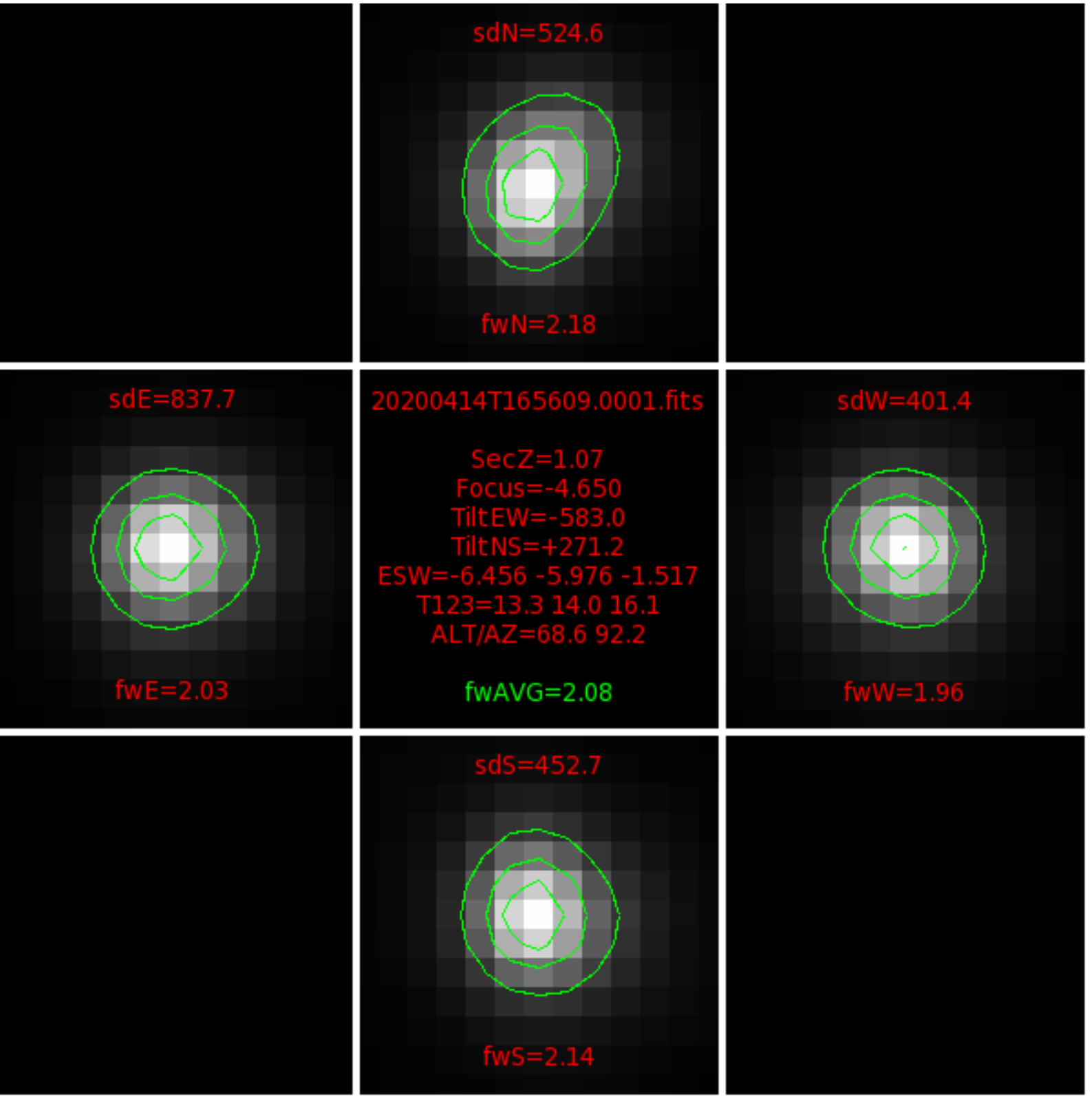
sdN=524.6
fwN=2.18
sdE=837.7
fwE=2.03
20200414T165609.0001.fits
SecZ=1.07
Focus=-4.650
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.456 -5.976 -1.517
T123=13.3 14.0 16.1
ALT/AZ=68.6 92.2
fwAVG=2.08
sdW=401.4
fwW=1.96
sdS=452.7
fwS=2.14
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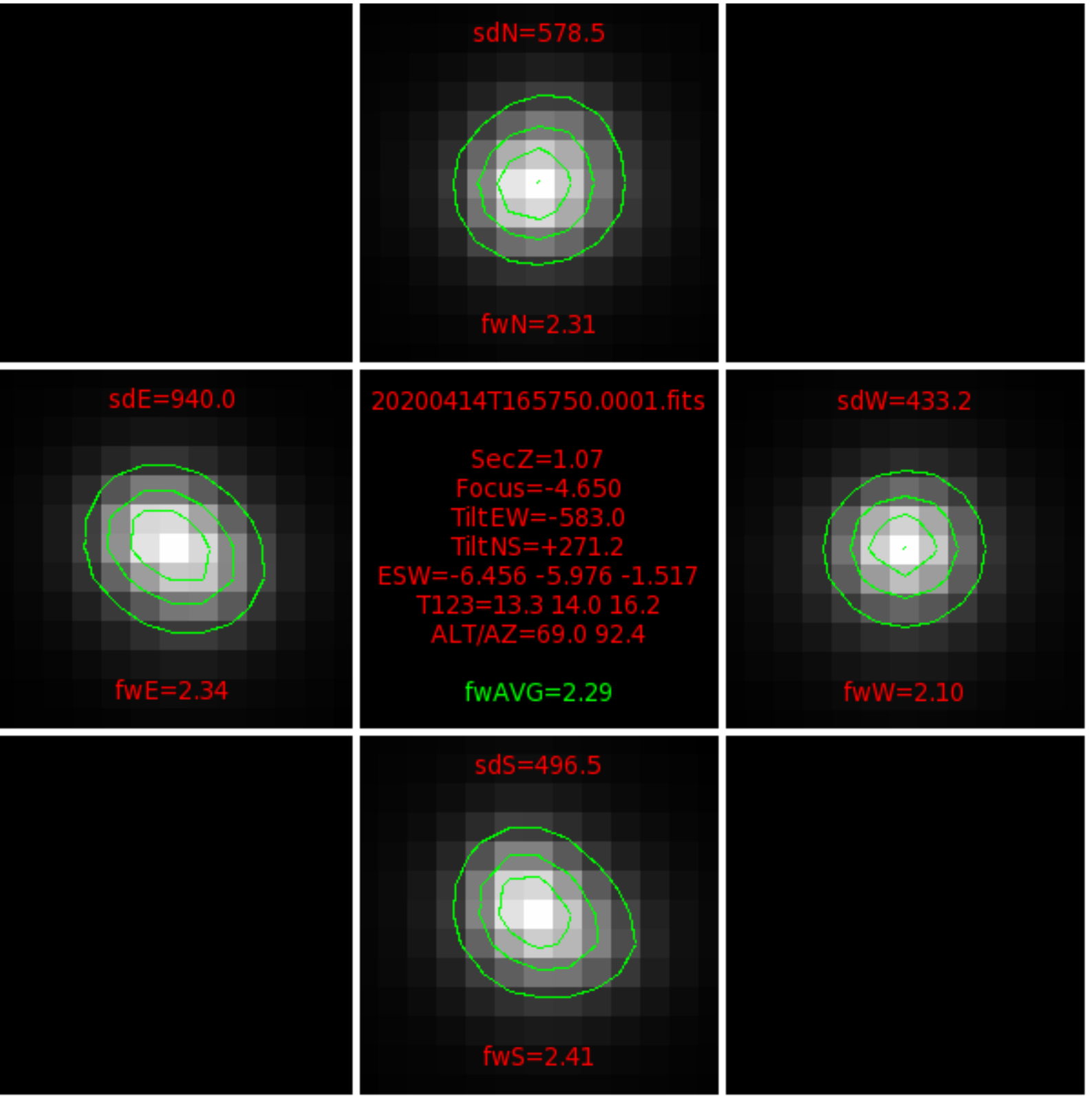
sdN=578.5
fwN=2.31
sdE=940.0
fwE=2.34
20200414T165750.0001.fits
SecZ=1.07
Focus=-4.650
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.456 -5.976 -1.517
T123=13.3 14.0 16.2
ALT/AZ=69.0 92.4
fwAVG=2.29
sdW=433.2
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sdS=496.5
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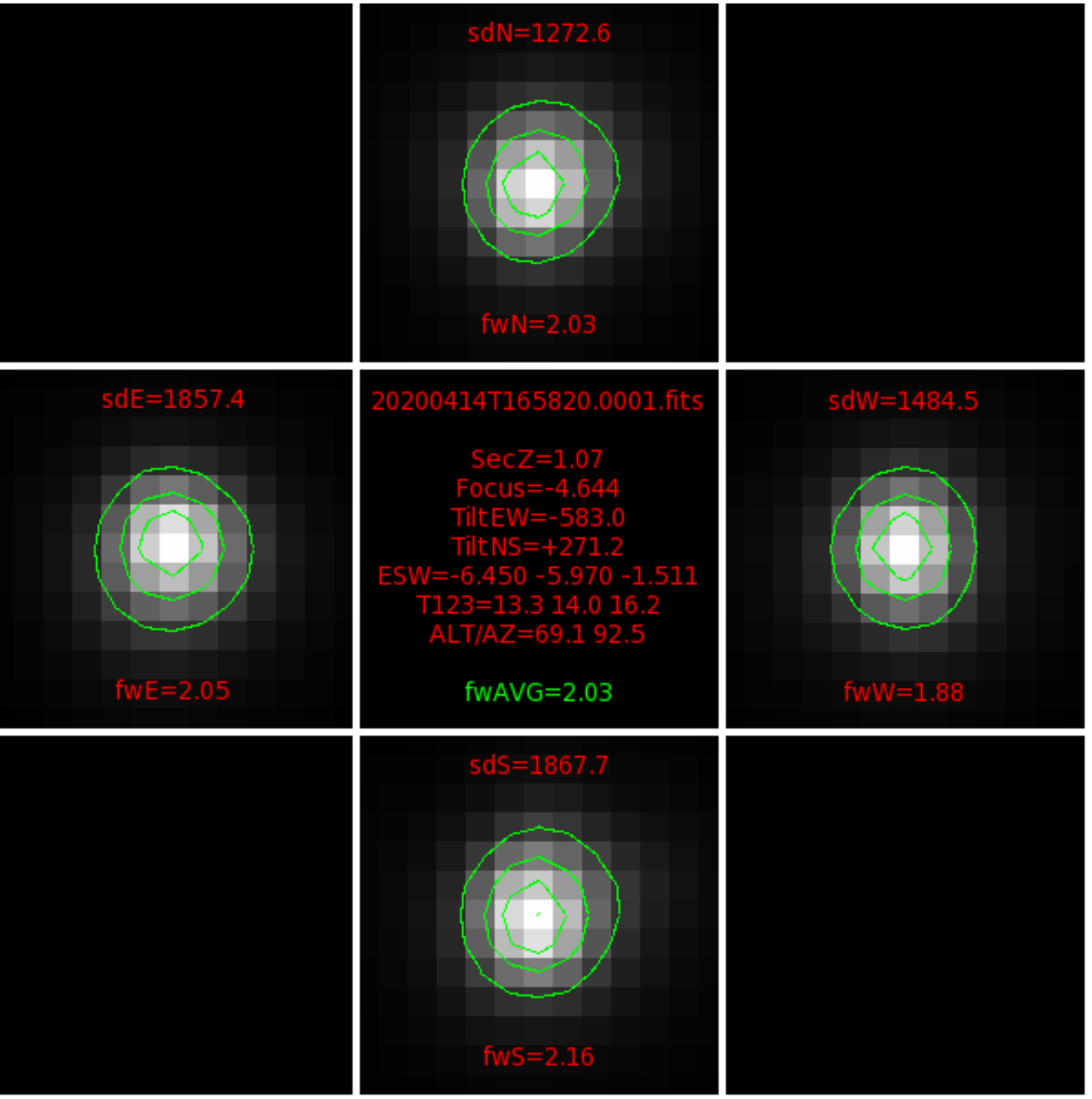
sdN=1272.6
fwN=2.03
sdE=1857.4
fwE=2.05
20200414T165820.0001.fits
SecZ=1.07
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.3 14.0 16.2
ALT/AZ=69.1 92.5
fwAVG=2.03
sdW=1484.5
fwW=1.88
sdS=1867.7
fwS=2.16
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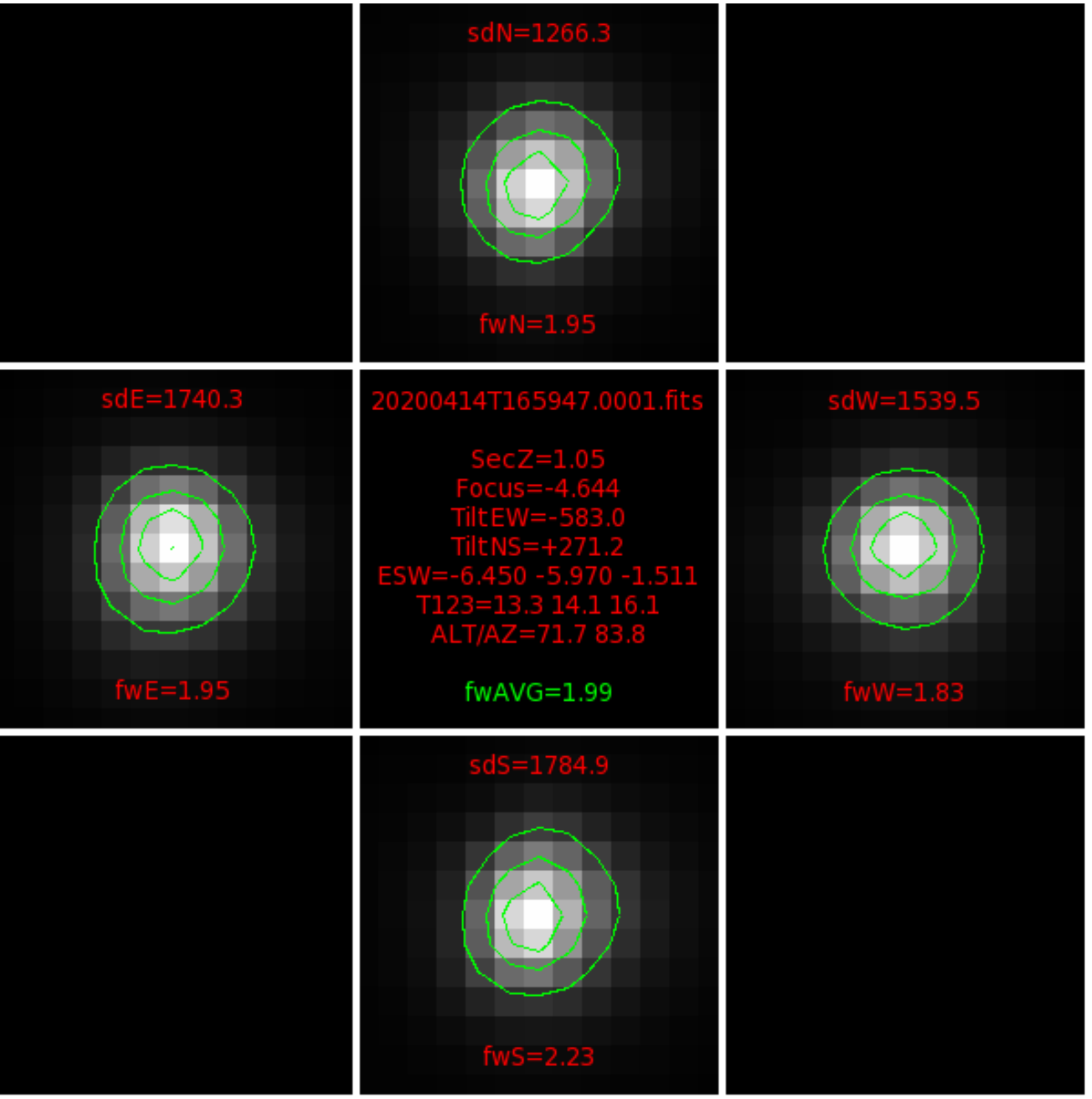
sdN=1266.3
fwN=1.95
sdE=1740.3
fwE=1.95
20200414T165947.0001.fits
SecZ=1.05
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.3 14.1 16.1
ALT/AZ=71.7 83.8
fwAVG=1.99
sdW=1539.5
fwW=1.83
sdS=1784.9
fwS=2.23
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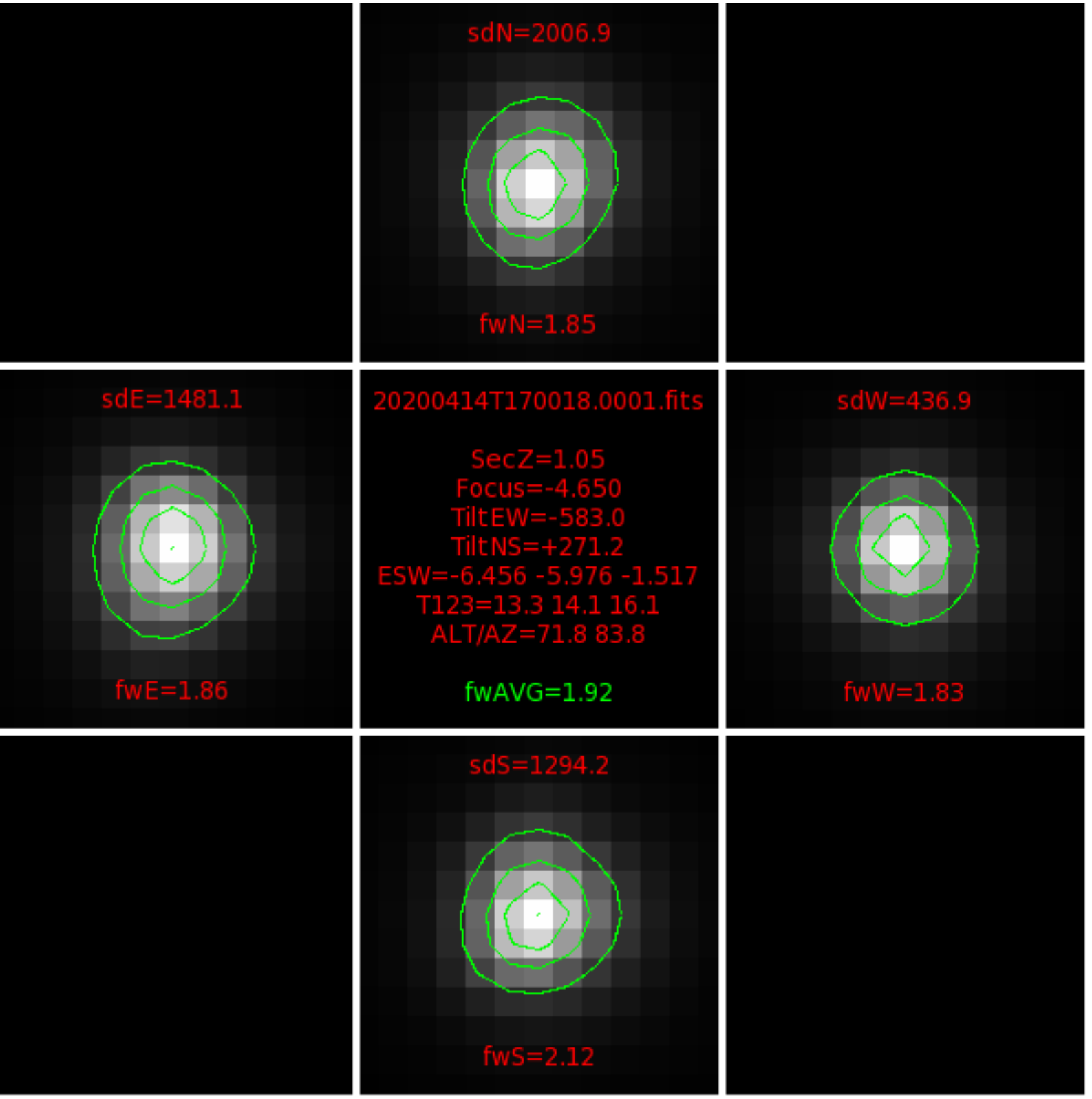
sdN=2006.9
fwN=1.85
sdE=1481.1
fwE=1.86
20200414T170018.0001.fits
SecZ=1.05
Focus=-4.650
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.456 -5.976 -1.517
T123=13.3 14.1 16.1
ALT/AZ=71.8 83.8
fwAVG=1.92
sdW=436.9
fwW=1.83
sdS=1294.2
fwS=2.12
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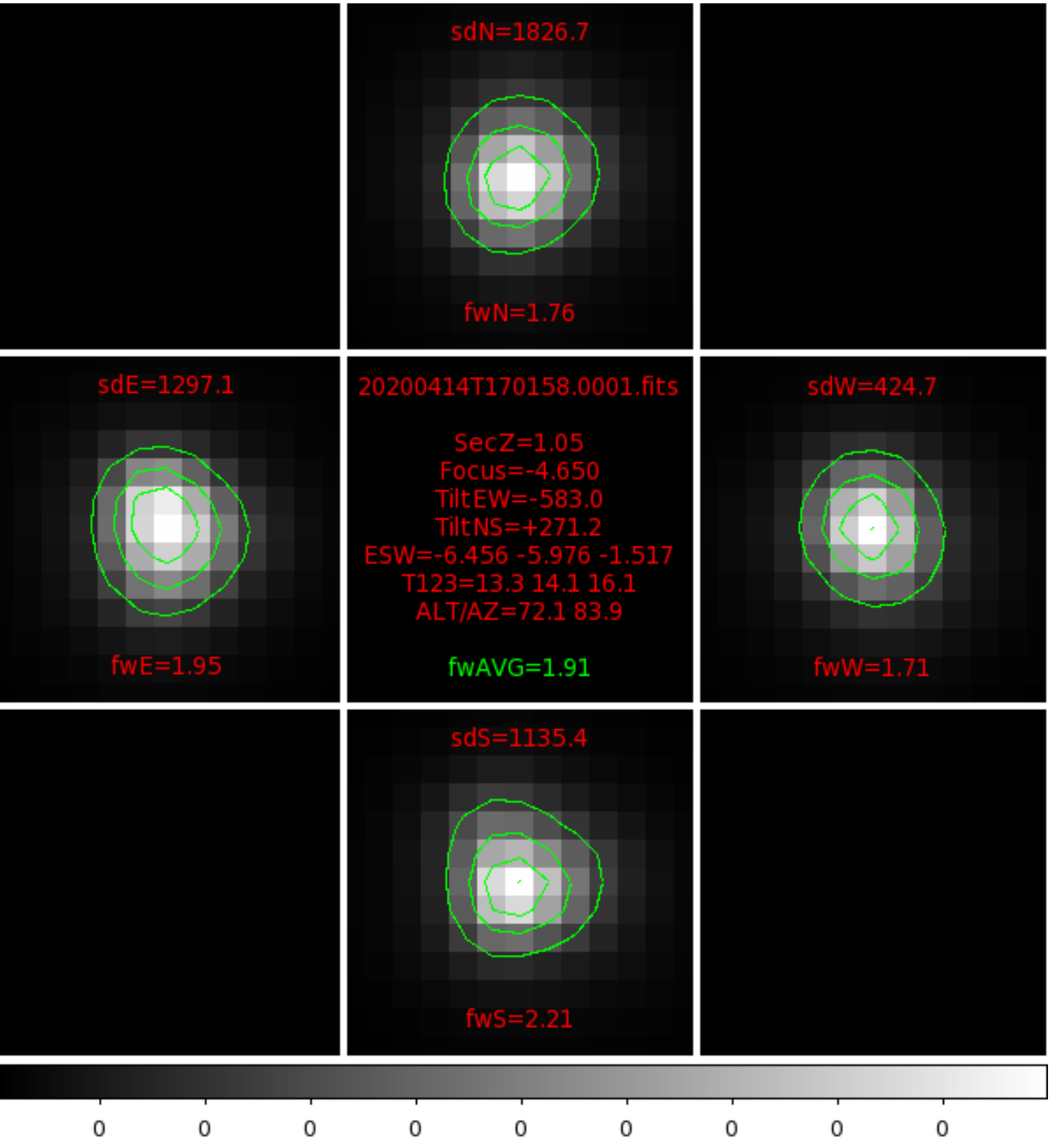
sdN=1826.7
fwN=1.76
sdE=1297.1
fwE=1.95
20200414T170158.0001.fits
SecZ=1.05
Focus=-4.650
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.456 -5.976 -1.517
T123=13.3 14.1 16.1
ALT/AZ=72.1 83.9
fwAVG=1.91
sdW=424.7
fwW=1.71
sdS=1135.4
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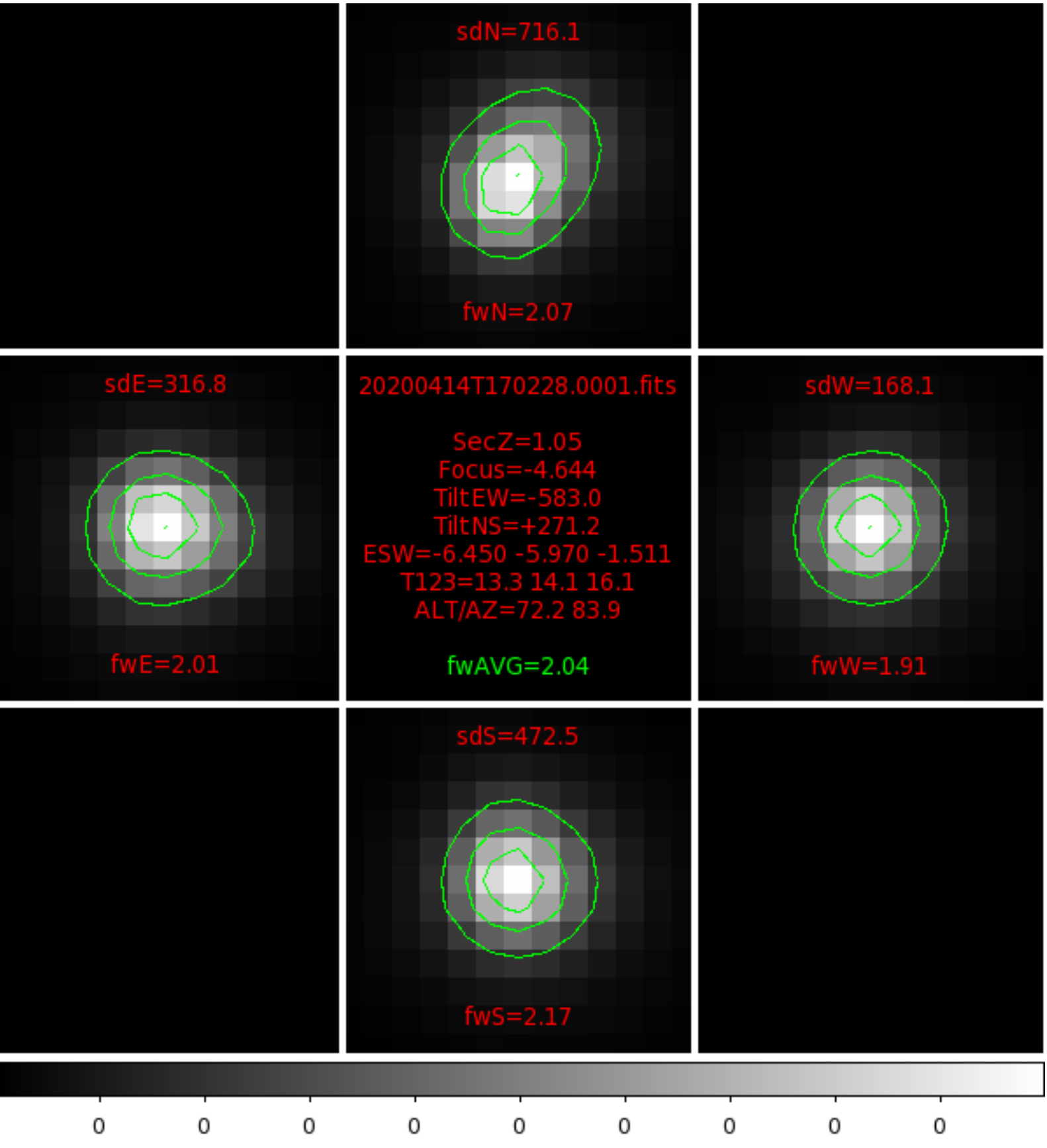
sdN=716.1
fwN=2.07
sdE=316.8
fwE=2.01
20200414T170228.0001.fits
SecZ=1.05
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.3 14.1 16.1
ALT/AZ=72.2 83.9
fwAVG=2.04
sdW=168.1
fwW=1.91
sdS=472.5
fwS=2.17
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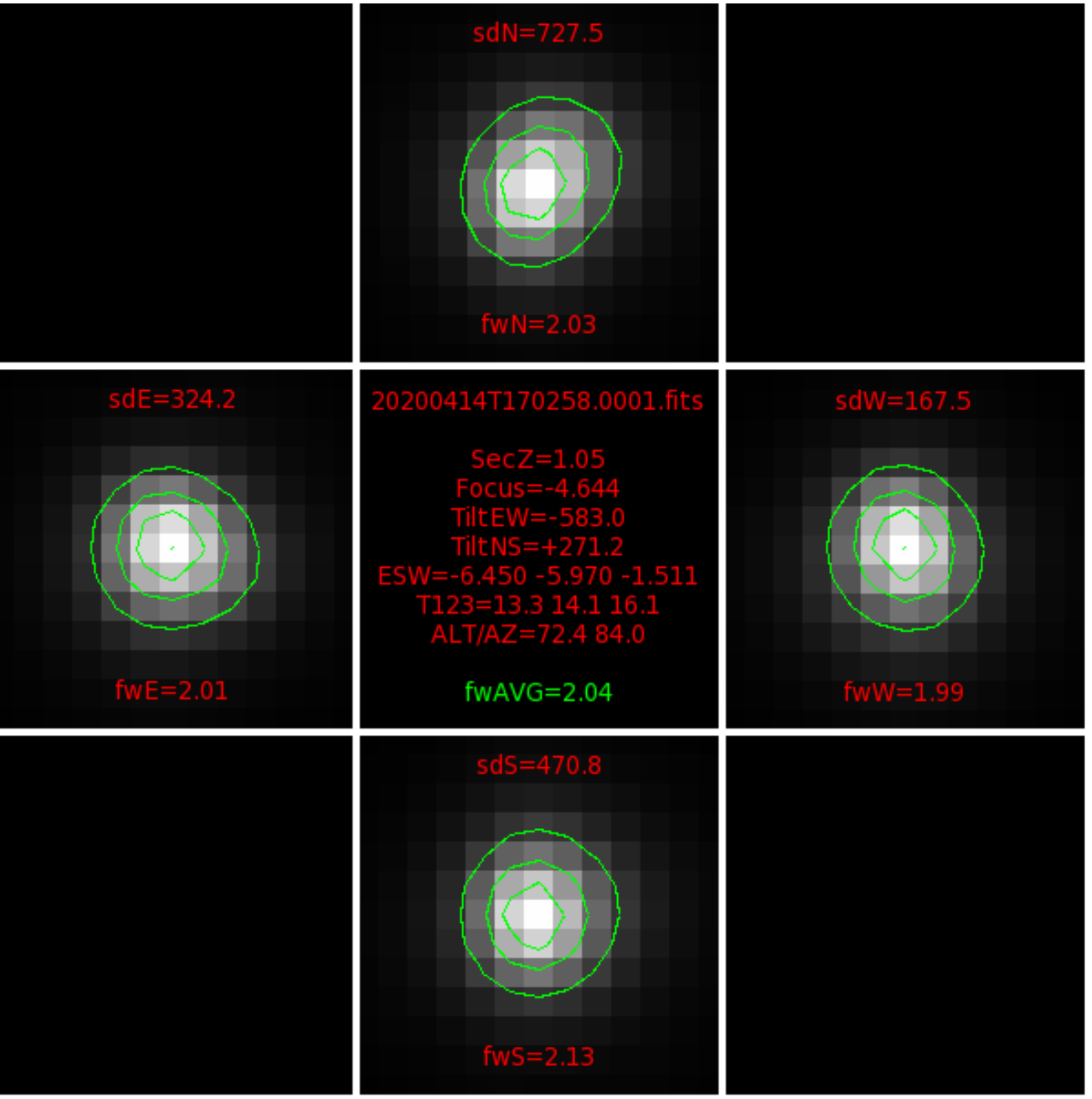
sdN=727.5
fwN=2.03
sdE=324.2
fwE=2.01
20200414T170258.0001.fits
SecZ=1.05
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.3 14.1 16.1
ALT/AZ=72.4 84.0
fwAVG=2.04
sdW=167.5
fwW=1.99
sdS=470.8
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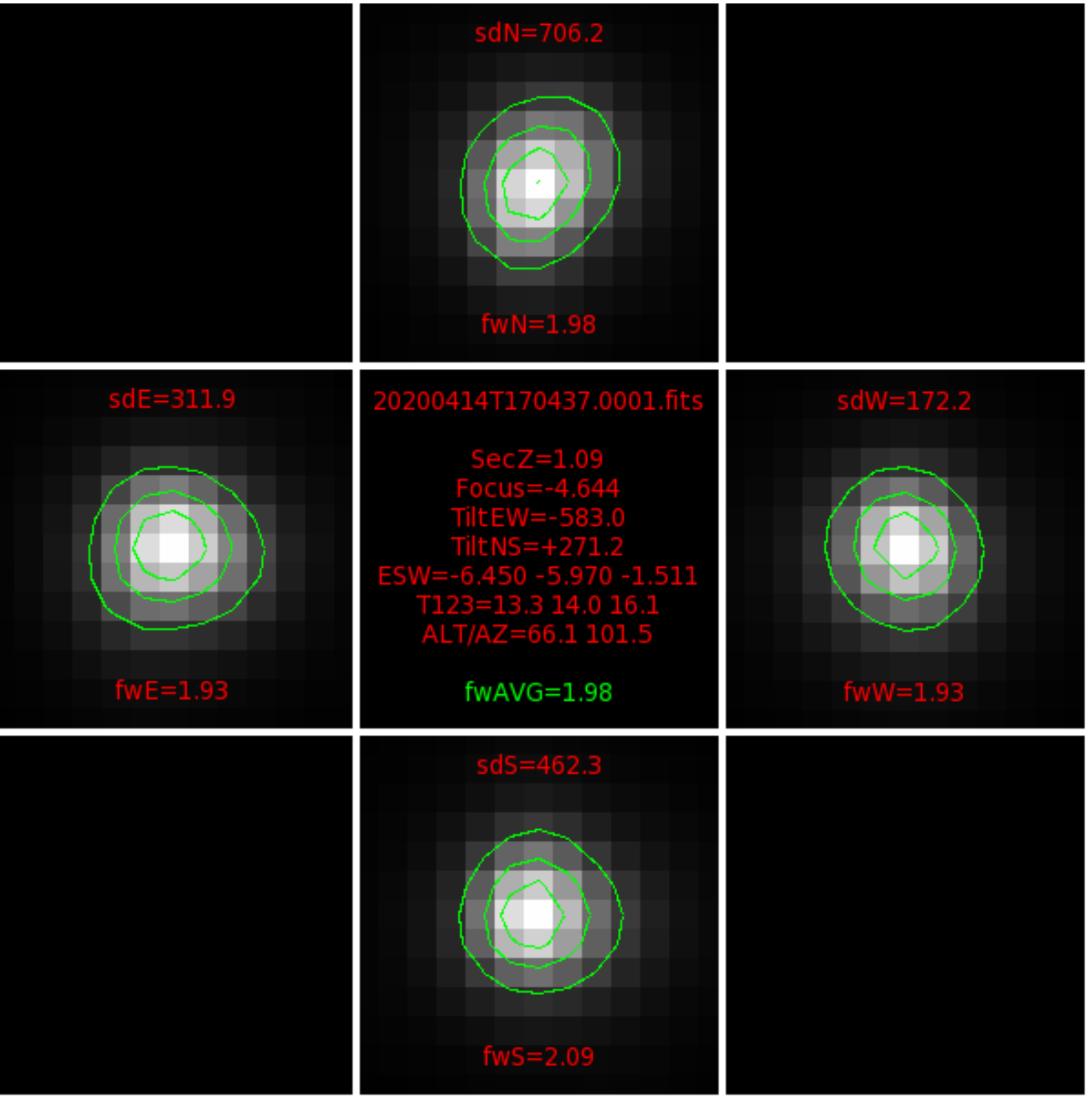
sdN=706.2
fwN=1.98
sdE=311.9
fwE=1.93
20200414T170437.0001.fits
SecZ=1.09
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.3 14.0 16.1
ALT/AZ=66.1 101.5
fwAVG=1.98
sdW=172.2
fwW=1.93
sdS=462.3
fwS=2.09
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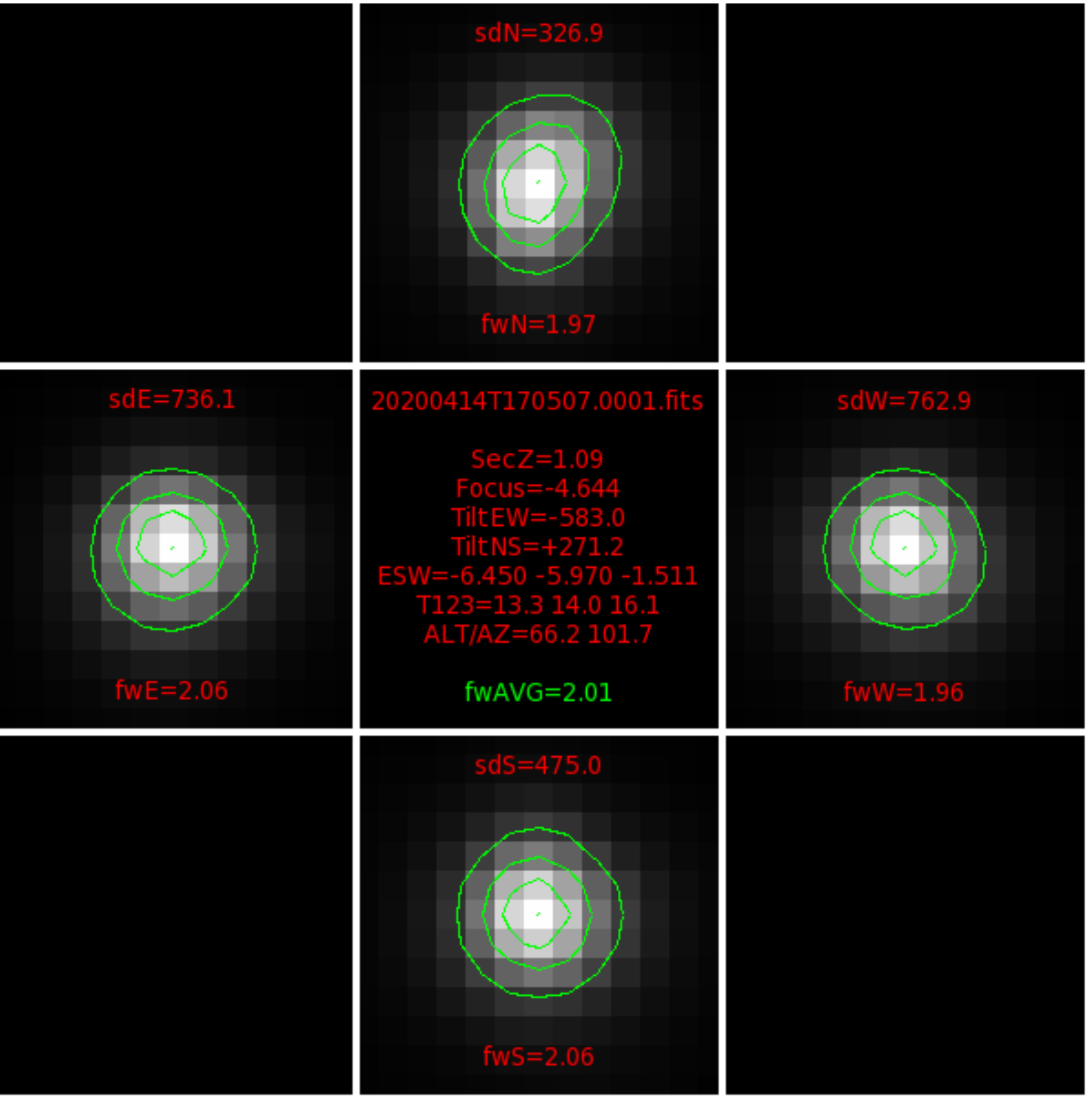
sdN=326.9
fwN=1.97
sdE=736.1
fwE=2.06
20200414T170507.0001.fits
SecZ=1.09
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.3 14.0 16.1
ALT/AZ=66.2 101.7
fwAVG=2.01
sdW=762.9
fwW=1.96
sdS=475.0
fwS=2.06
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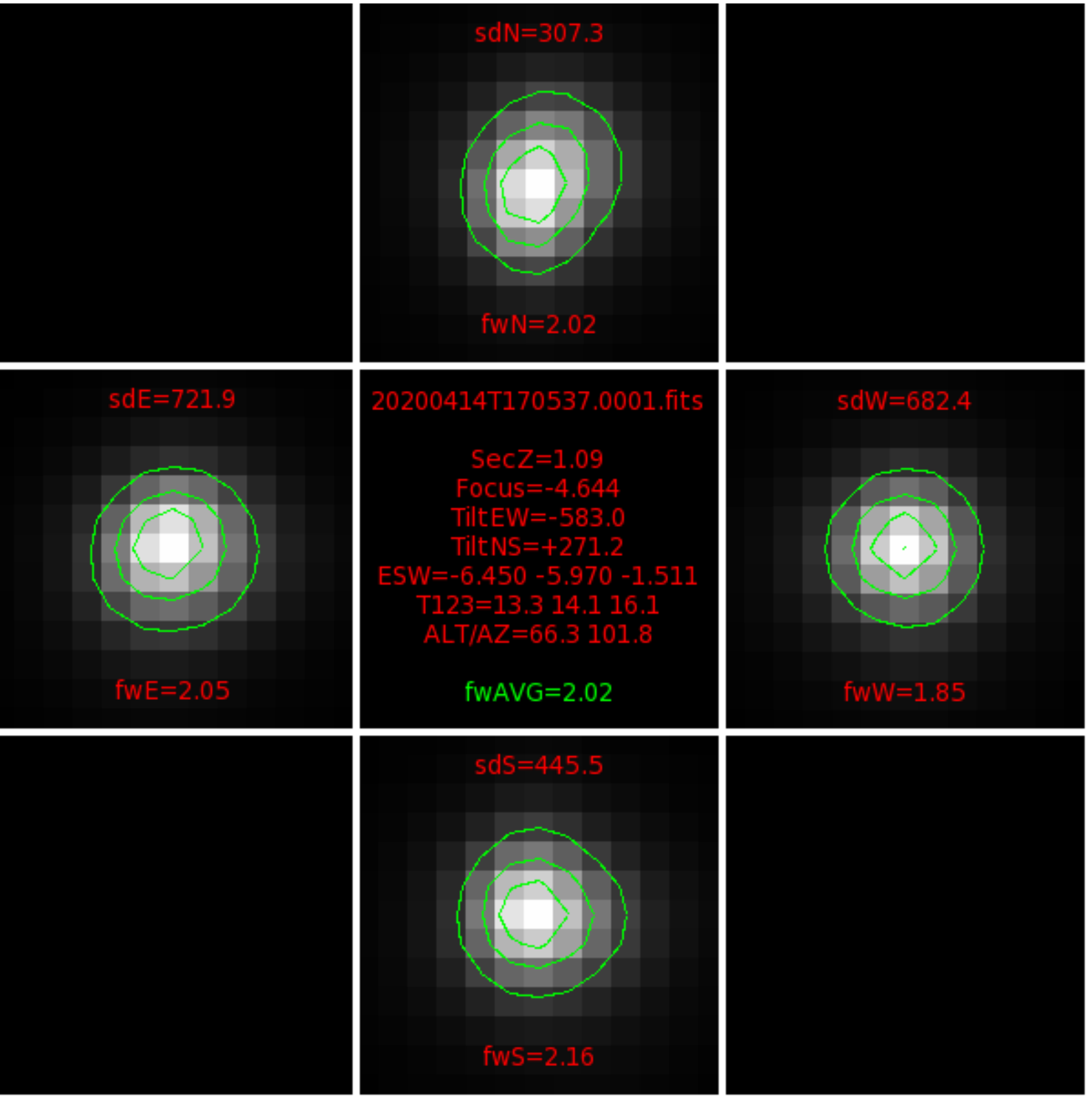
sdN=307.3
fwN=2.02
sdE=721.9
fwE=2.05
20200414T170537.0001.fits
SecZ=1.09
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.3 14.1 16.1
ALT/AZ=66.3 101.8
fwAVG=2.02
sdW=682.4
fwW=1.85
sdS=445.5
fwS=2.16
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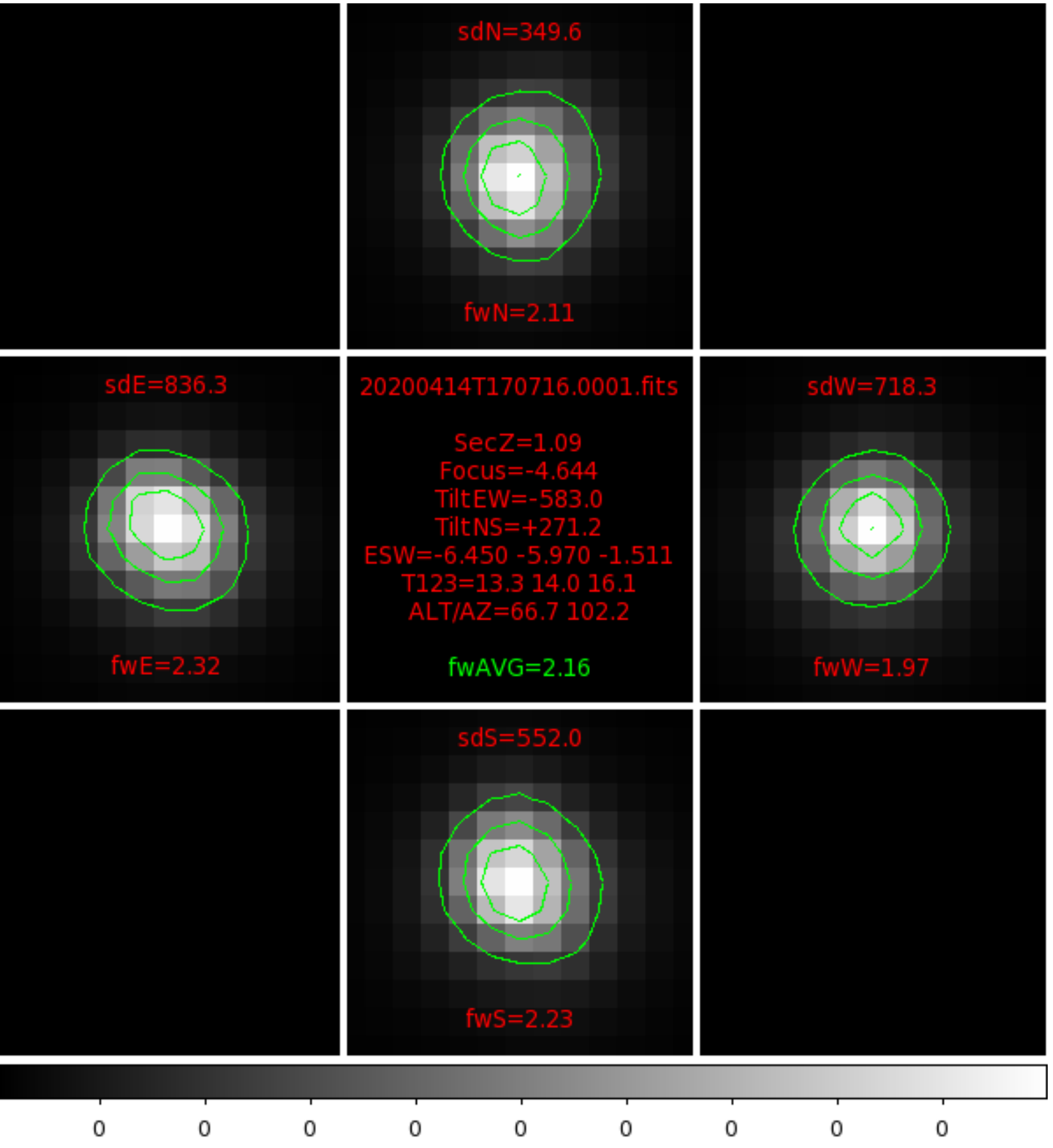
sdN=349.6
fwN=2.11
sdE=836.3
fwE=2.32
20200414T170716.0001.fits
SecZ=1.09
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.3 14.0 16.1
ALT/AZ=66.7 102.2
fwAVG=2.16
sdW=718.3
fwW=1.97
sdS=552.0
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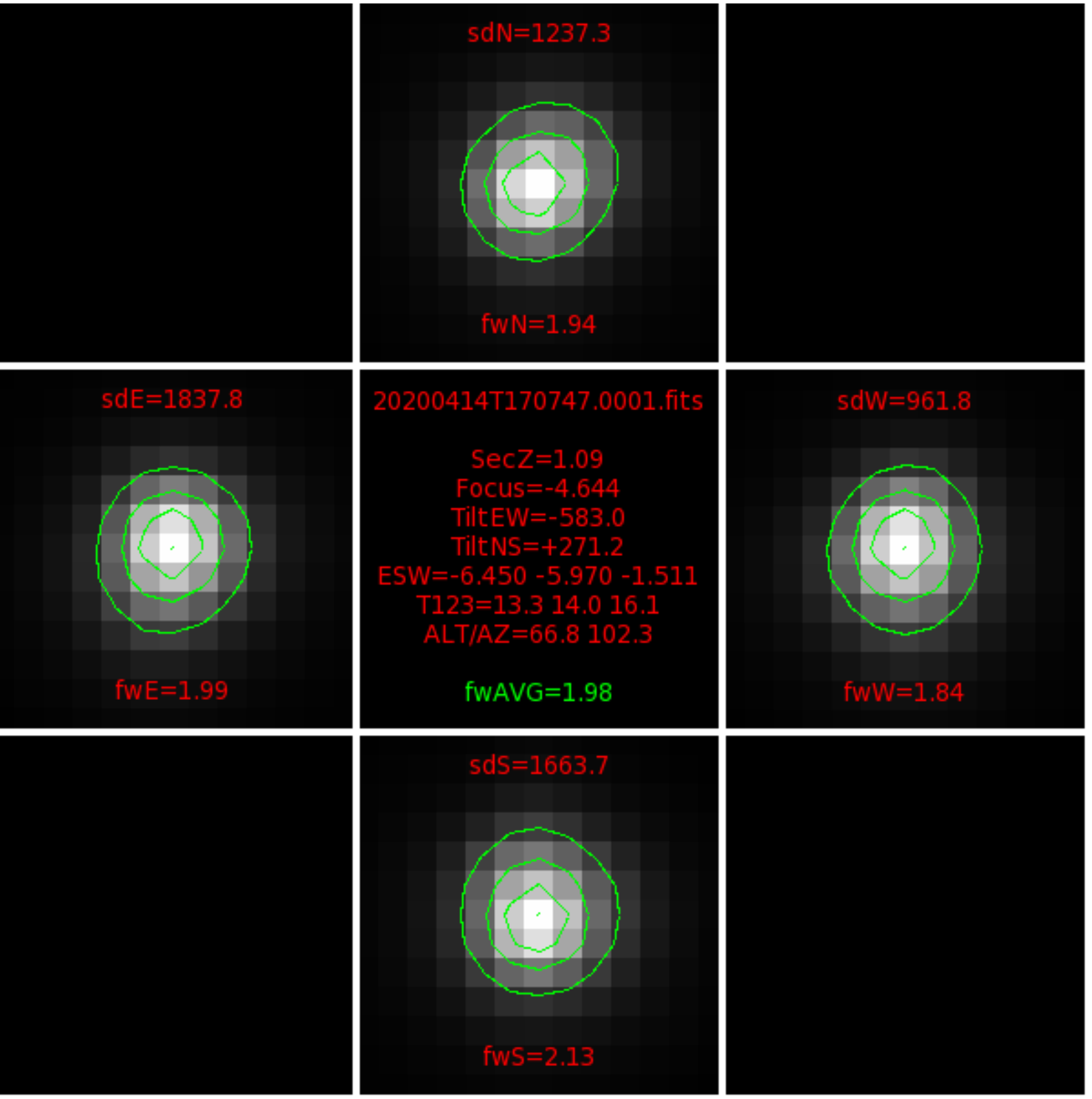
sdN=1237.3
fwN=1.94
sdE=1837.8
fwE=1.99
20200414T170747.0001.fits
SecZ=1.09
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.3 14.0 16.1
ALT/AZ=66.8 102.3
fwAVG=1.98
sdW=961.8
fwW=1.84
sdS=1663.7
fwS=2.13
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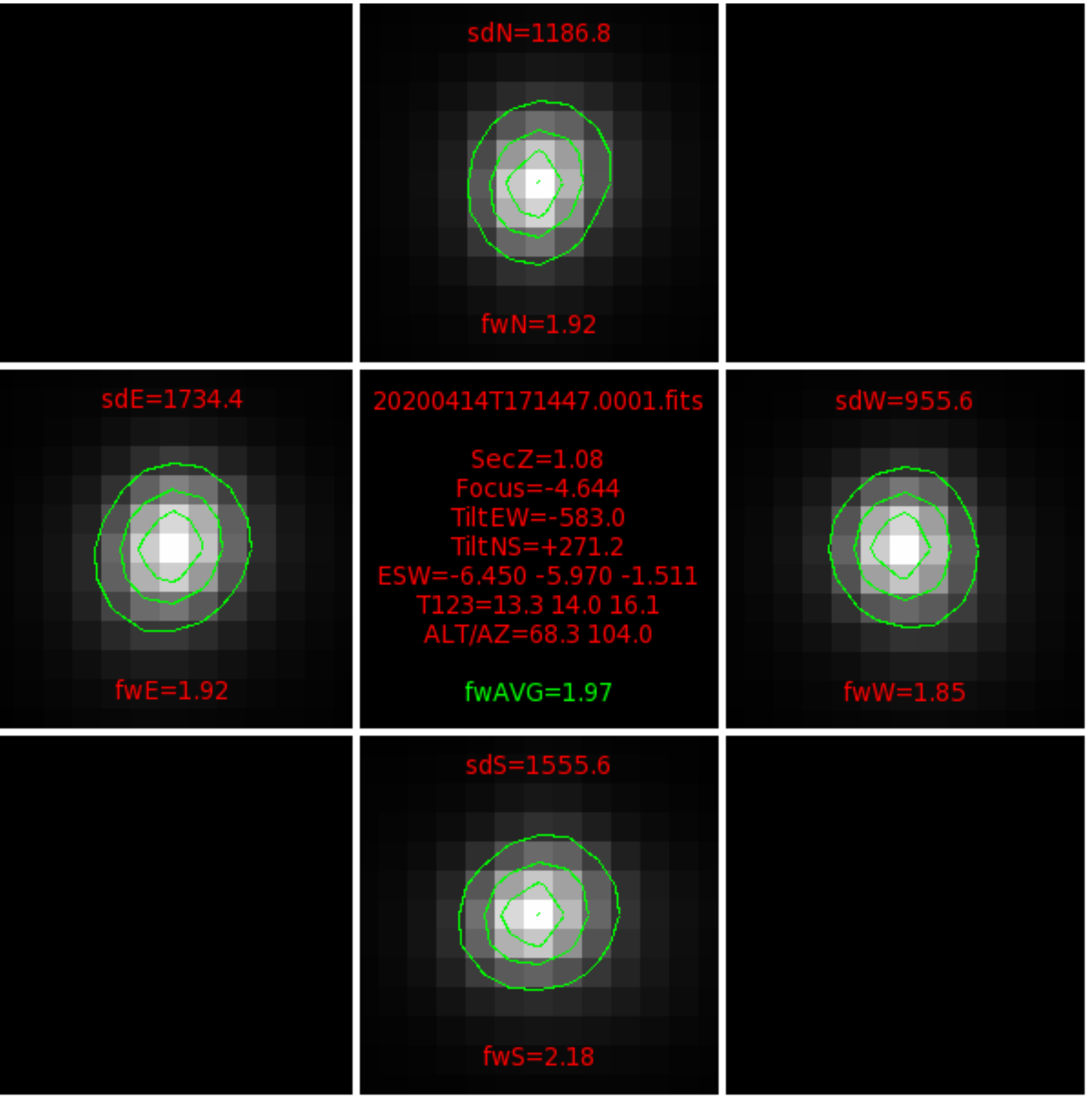
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fwN=1.92
sdE=1734.4
fwE=1.92
20200414T171447.0001.fits
SecZ=1.08
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.3 14.0 16.1
ALT/AZ=68.3 104.0
fwAVG=1.97
sdW=955.6
fwW=1.85
sdS=1555.6
fwS=2.18
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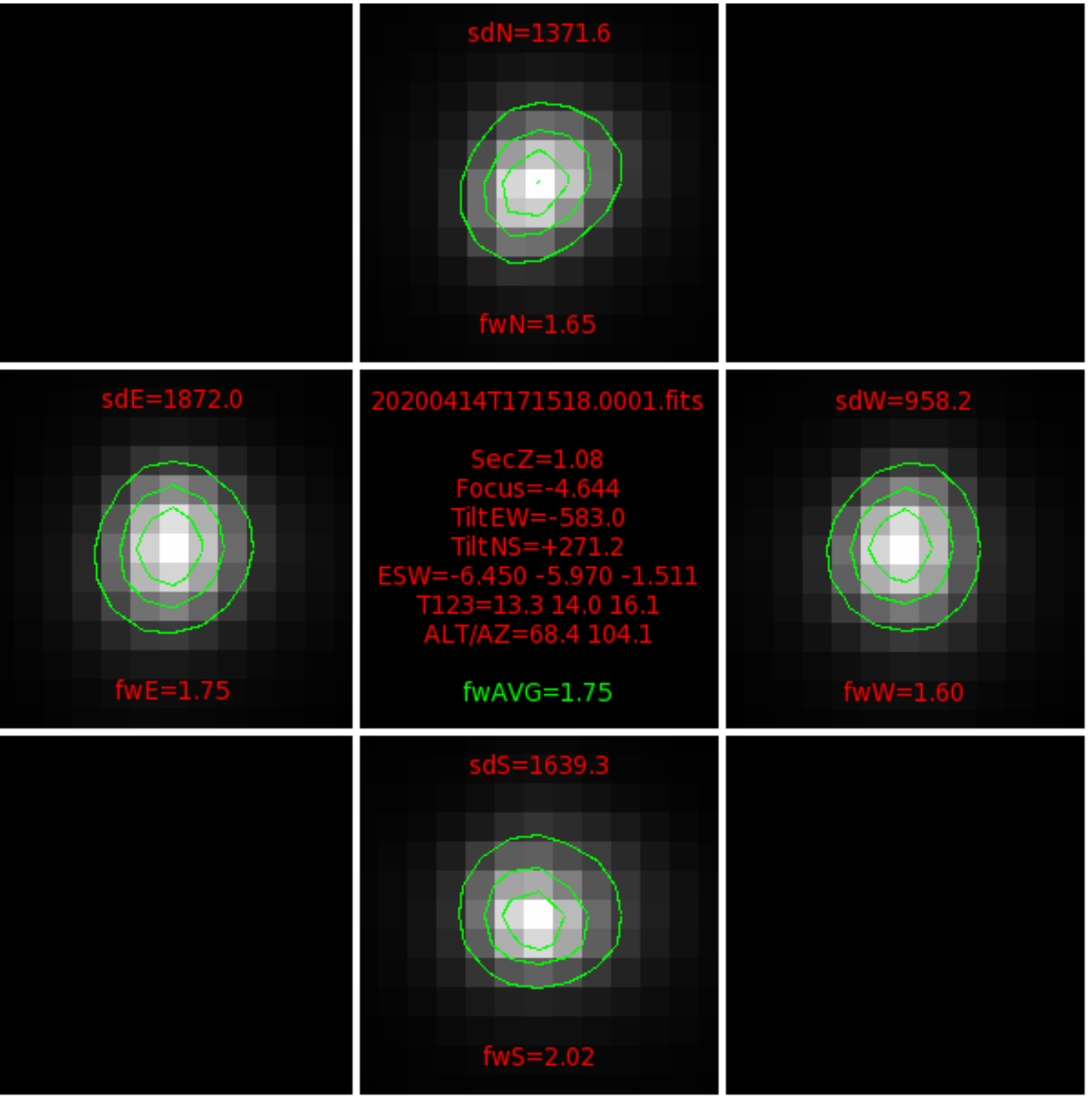
sdN=1371.6
fwN=1.65
sdE=1872.0
fwE=1.75
20200414T171518.0001.fits
SecZ=1.08
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.3 14.0 16.1
ALT/AZ=68.4 104.1
fwAVG=1.75
sdW=958.2
fwW=1.60
sdS=1639.3
fwS=2.02
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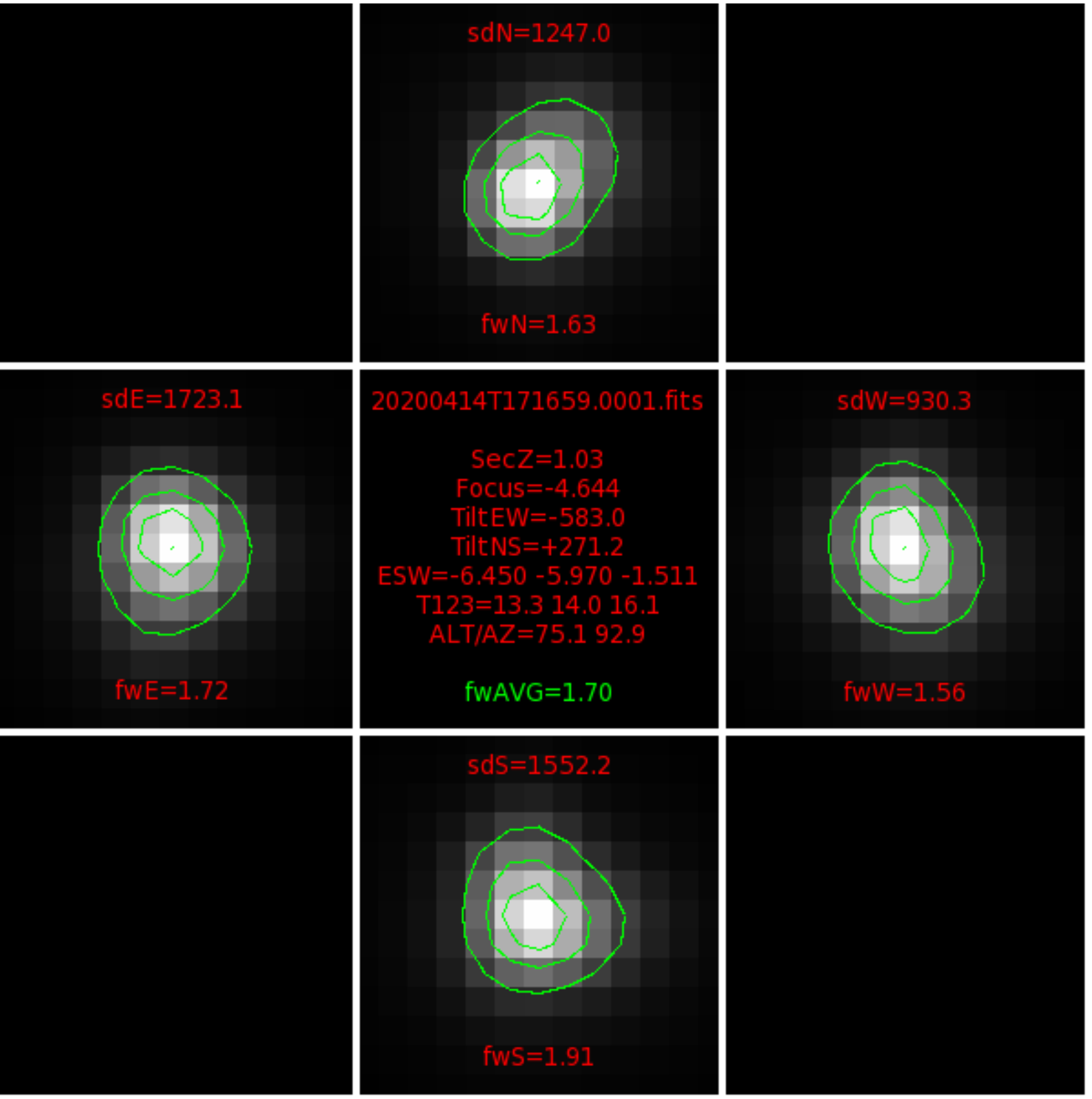
sdN=1247.0
fwN=1.63
sdE=1723.1
fwE=1.72
20200414T171659.0001.fits
SecZ=1.03
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.3 14.0 16.1
ALT/AZ=75.1 92.9
fwAVG=1.70
sdW=930.3
fwW=1.56
sdS=1552.2
fwS=1.91
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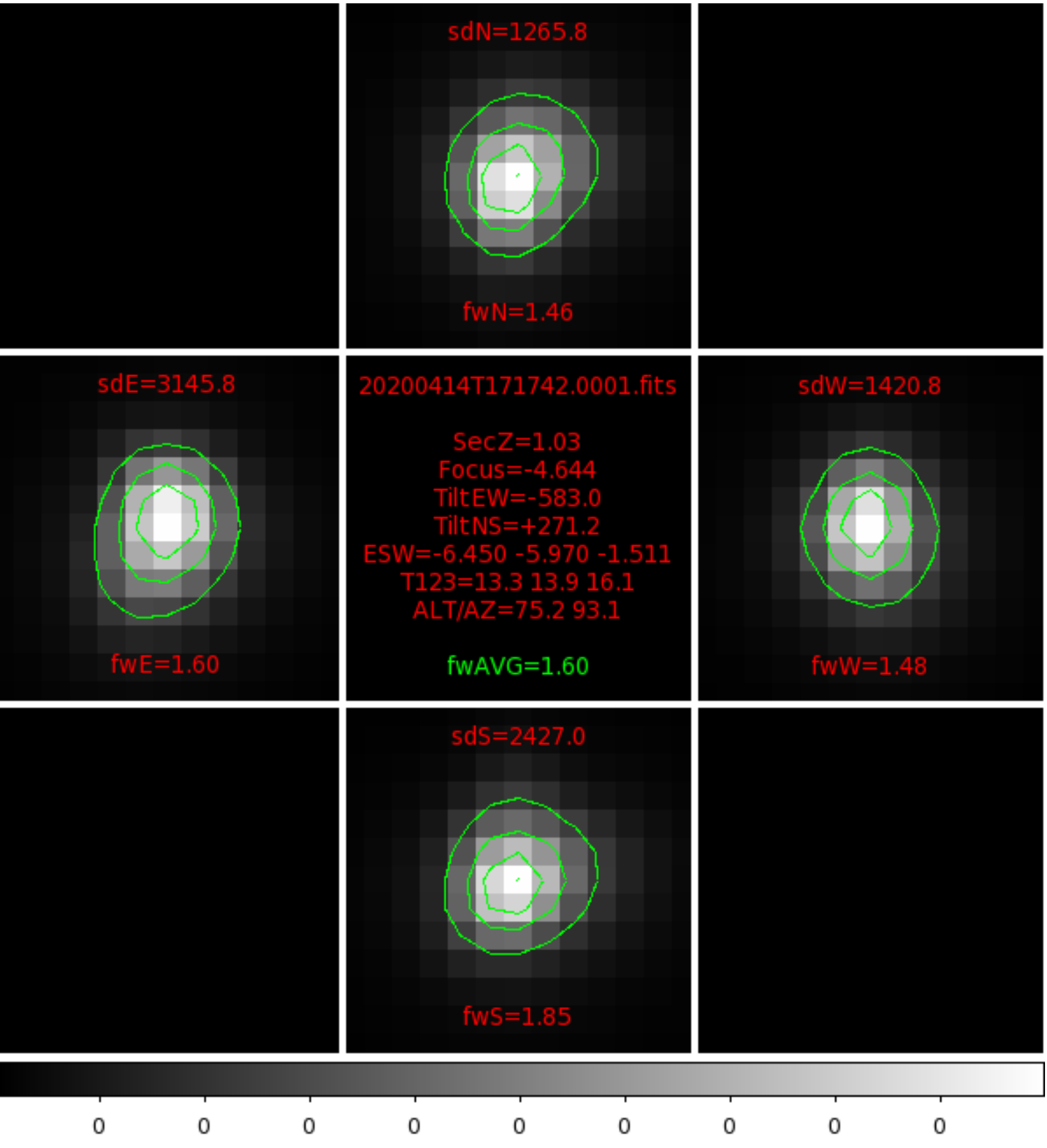
sdN=1265.8
fwN=1.46
sdE=3145.8
fwE=1.60
20200414T171742.0001.fits
SecZ=1.03
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.3 13.9 16.1
ALT/AZ=75.2 93.1
fwAVG=1.60
sdW=1420.8
fwW=1.48
sdS=2427.0
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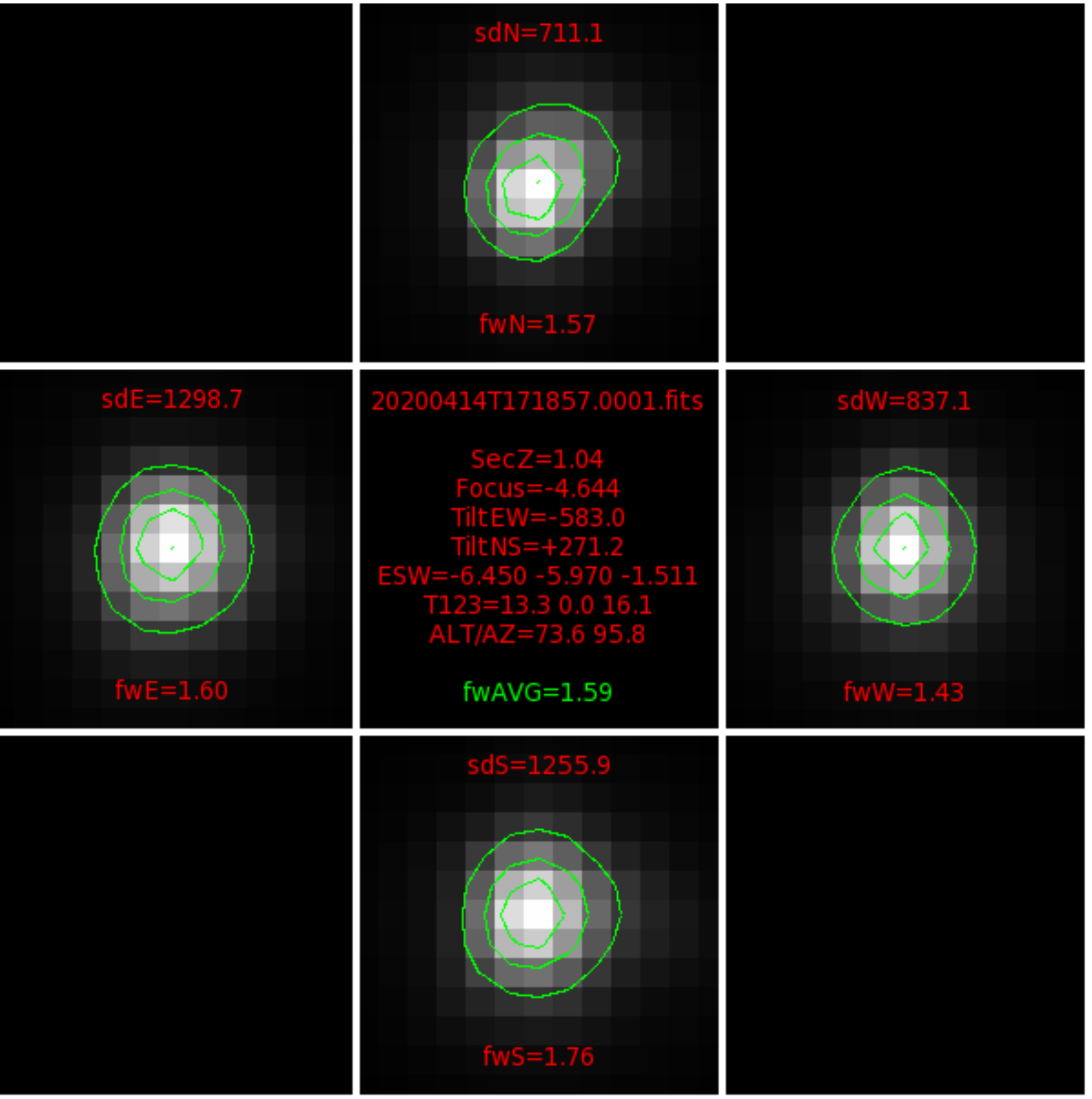
sdN=711.1
fwN=1.57
sdE=1298.7
fwE=1.60
20200414T171857.0001.fits
SecZ=1.04
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.3 0.0 16.1
ALT/AZ=73.6 95.8
fwAVG=1.59
sdW=837.1
fwW=1.43
sdS=1255.9
fwS=1.76
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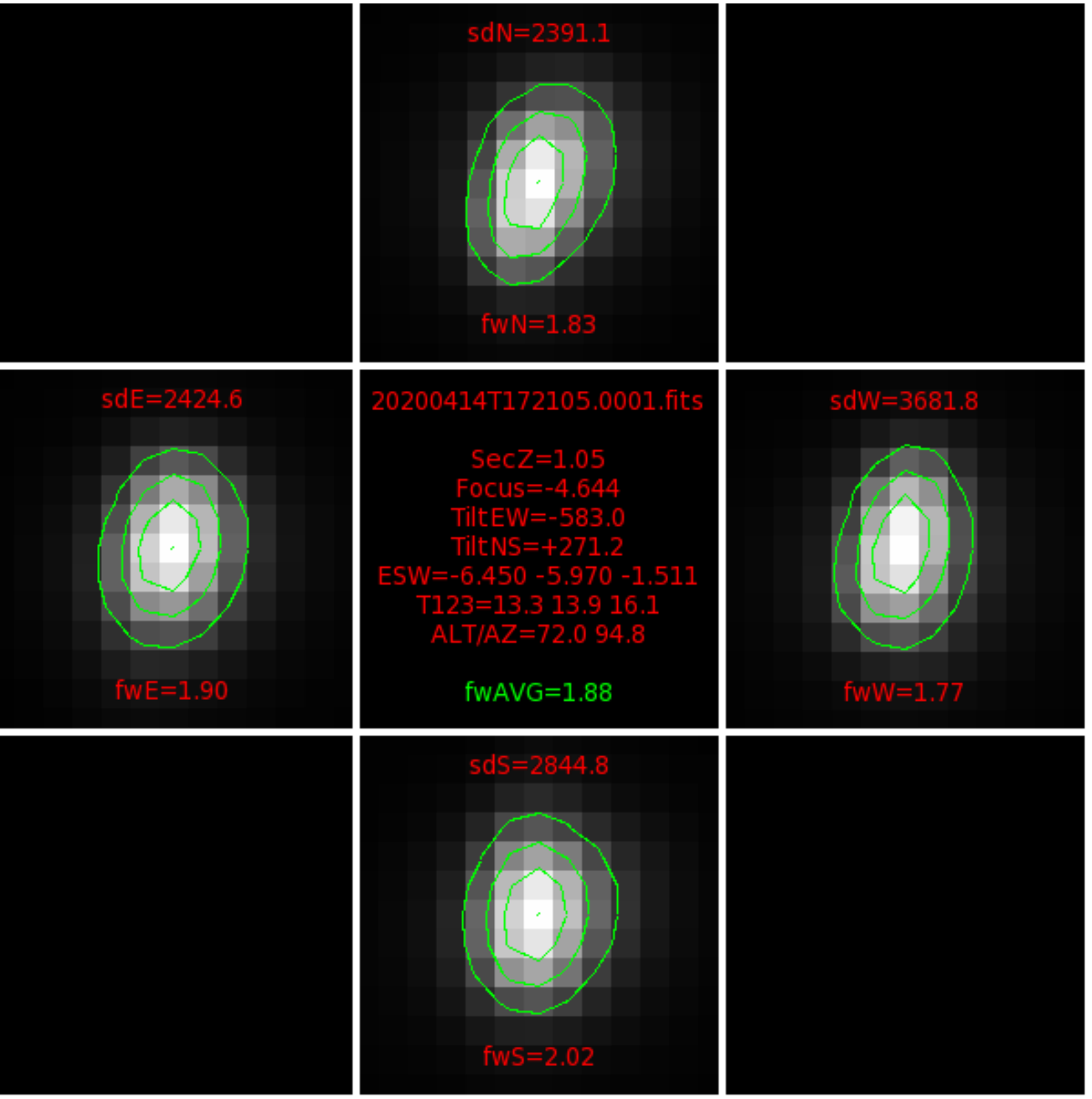
sdN=2391.1
fwN=1.83
sdE=2424.6
fwE=1.90
20200414T172105.0001.fits
SecZ=1.05
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.3 13.9 16.1
ALT/AZ=72.0 94.8
fwAVG=1.88
sdW=3681.8
fwW=1.77
sdS=2844.8
fwS=2.02
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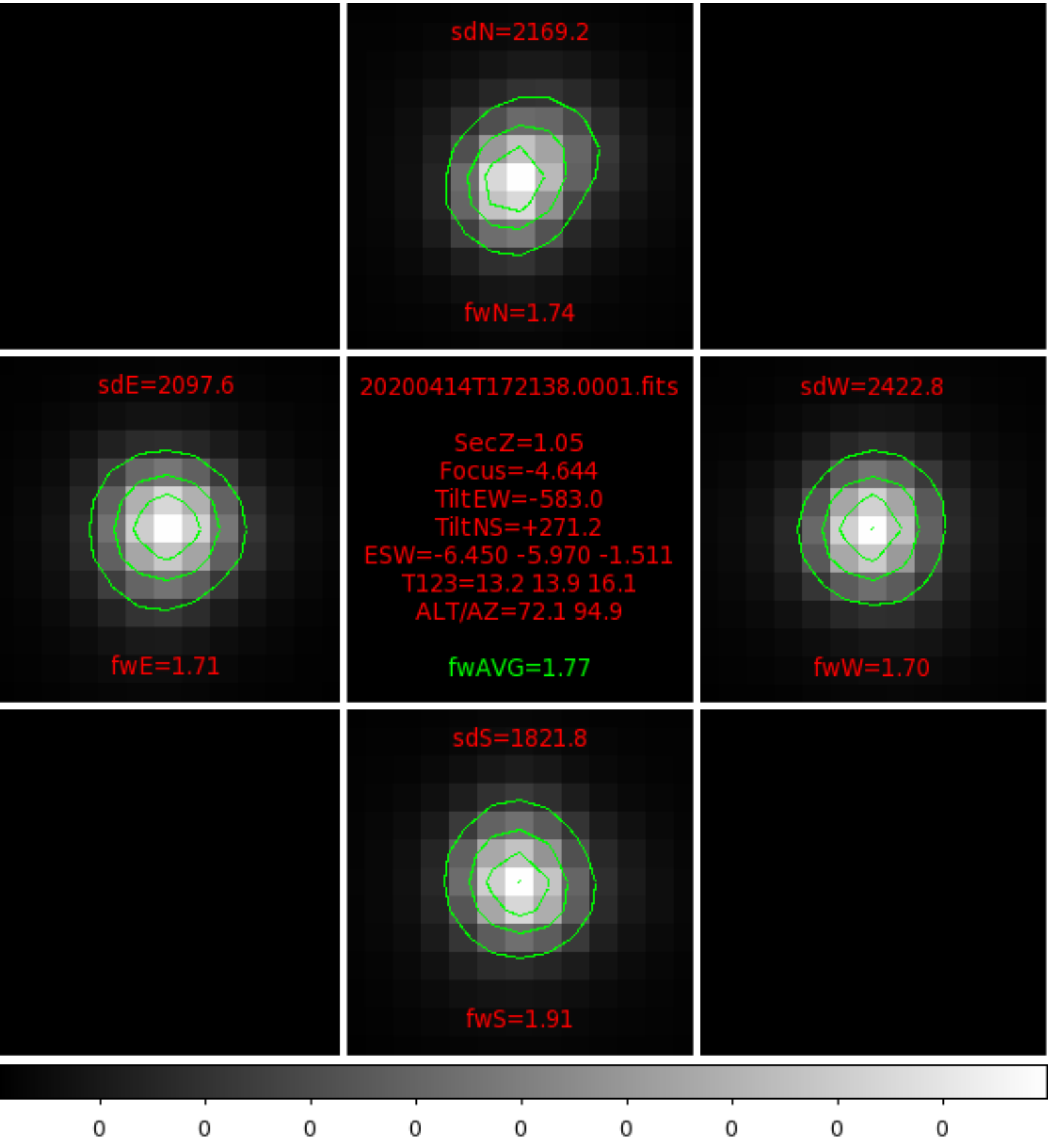
sdN=2169.2
fwN=1.74
sdE=2097.6
fwE=1.71
20200414T172138.0001.fits
SecZ=1.05
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.2 13.9 16.1
ALT/AZ=72.1 94.9
fwAVG=1.77
sdW=2422.8
fwW=1.70
sdS=1821.8
fwS=1.91
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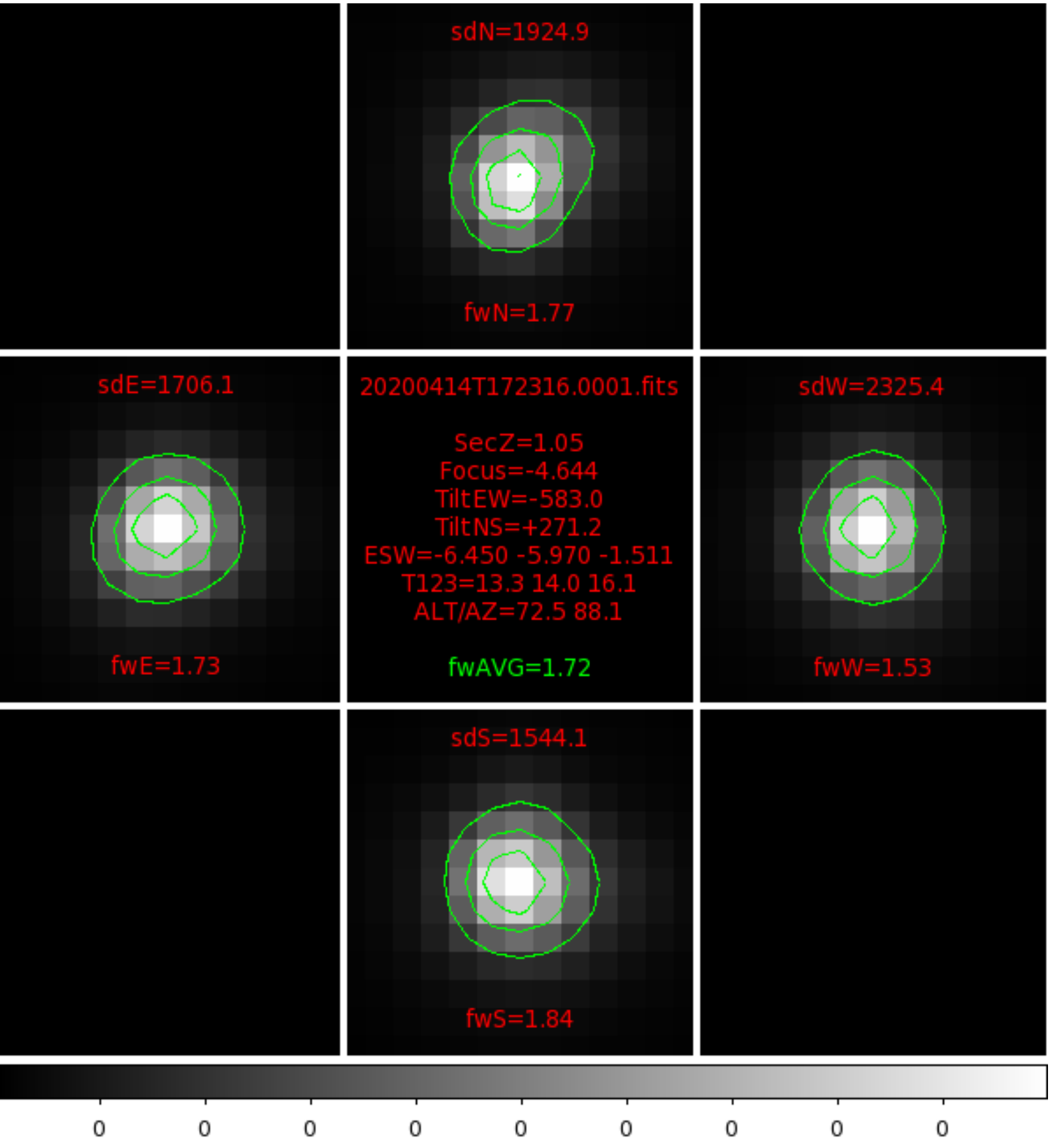
sdN=1924.9
fwN=1.77
sdE=1706.1
fwE=1.73
20200414T172316.0001.fits
SecZ=1.05
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.3 14.0 16.1
ALT/AZ=72.5 88.1
fwAVG=1.72
sdW=2325.4
fwW=1.53
sdS=1544.1
fwS=1.84
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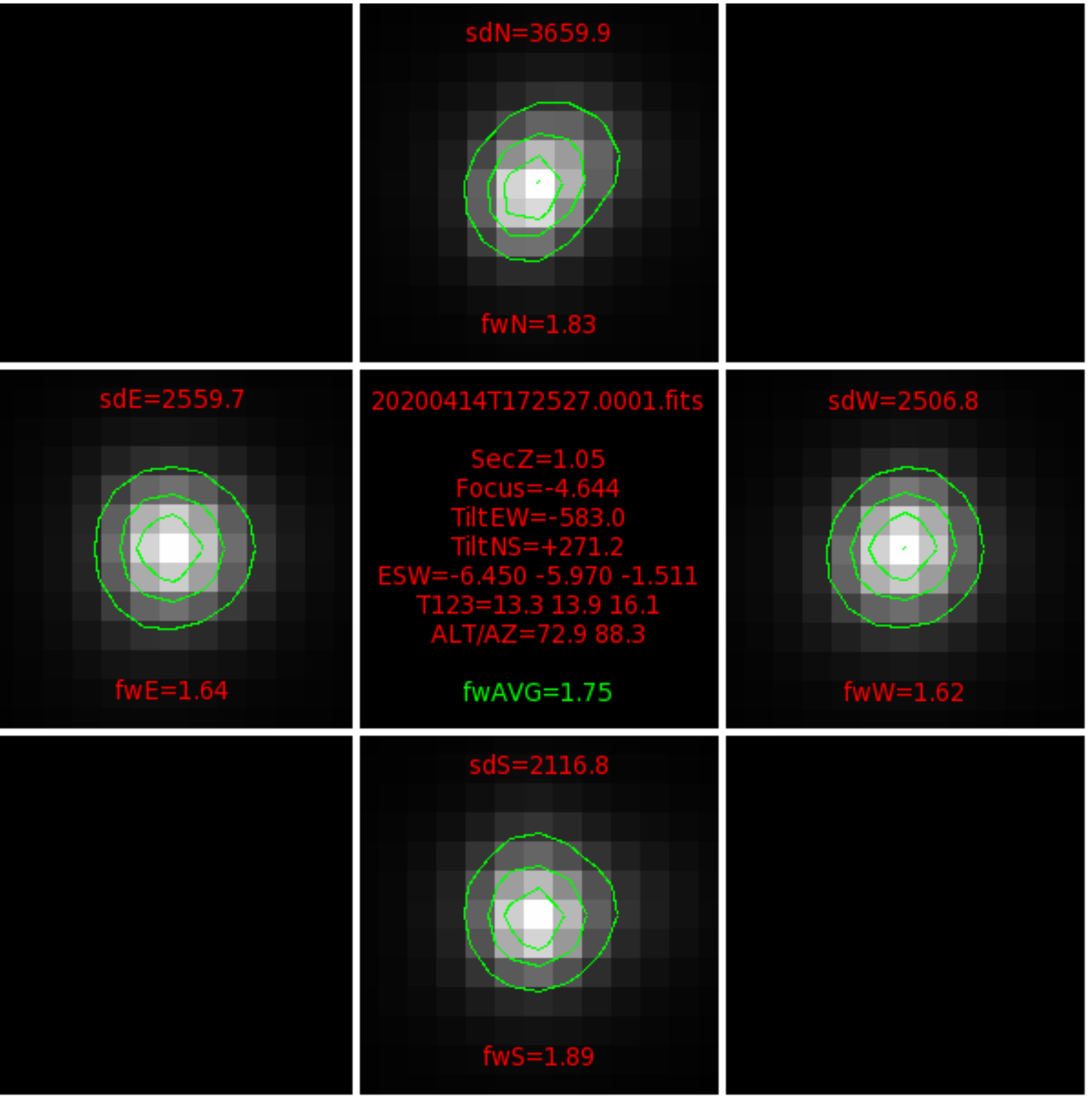
sdN=3659.9
fwN=1.83
sdE=2559.7
fwE=1.64
20200414T172527.0001.fits
SecZ=1.05
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.3 13.9 16.1
ALT/AZ=72.9 88.3
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sdW=2506.8
fwW=1.62
sdS=2116.8
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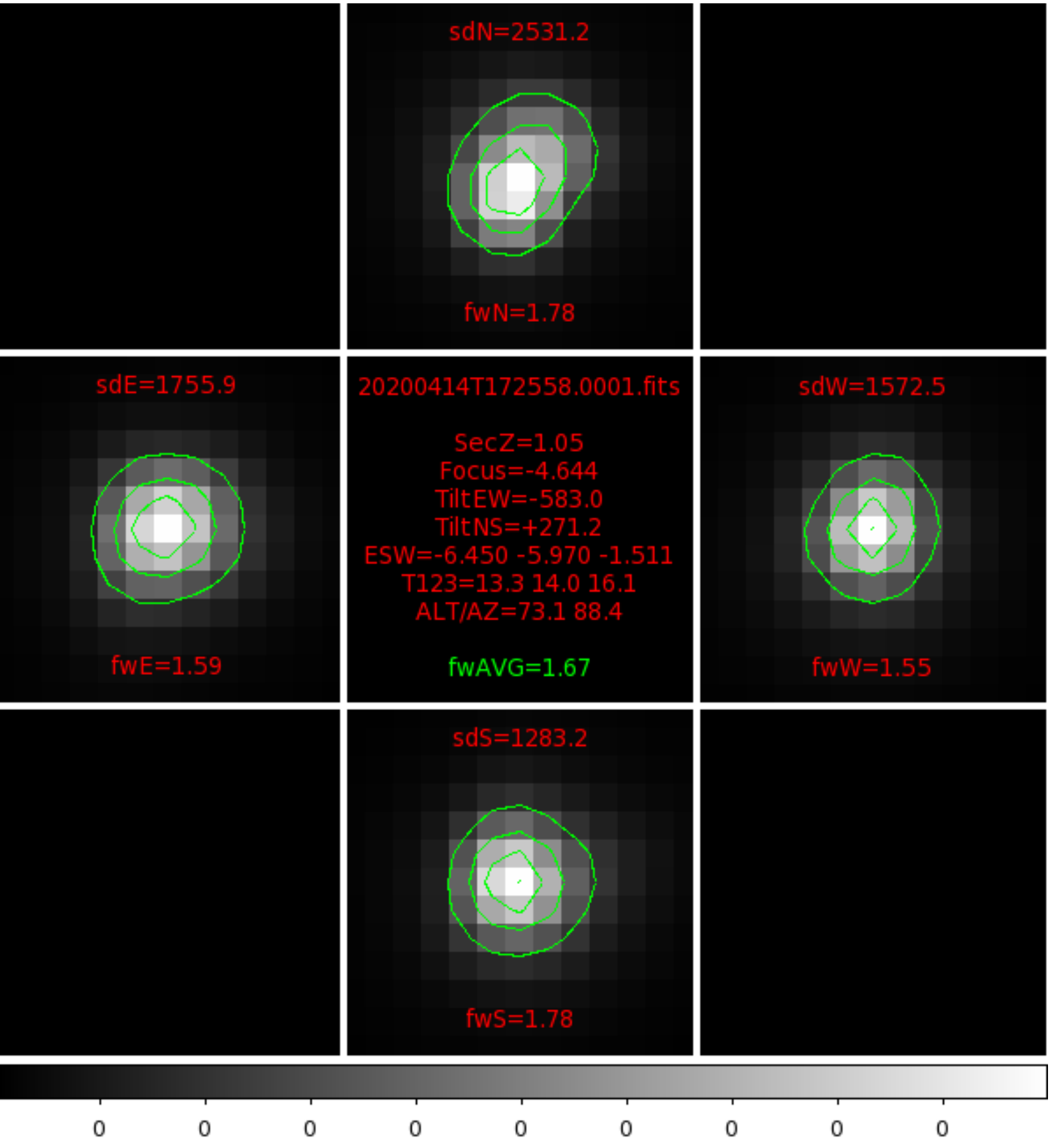
sdN=2531.2
fwN=1.78
sdE=1755.9
fwE=1.59
20200414T172558.0001.fits
SecZ=1.05
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.3 14.0 16.1
ALT/AZ=73.1 88.4
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sdW=1572.5
fwW=1.55
sdS=1283.2
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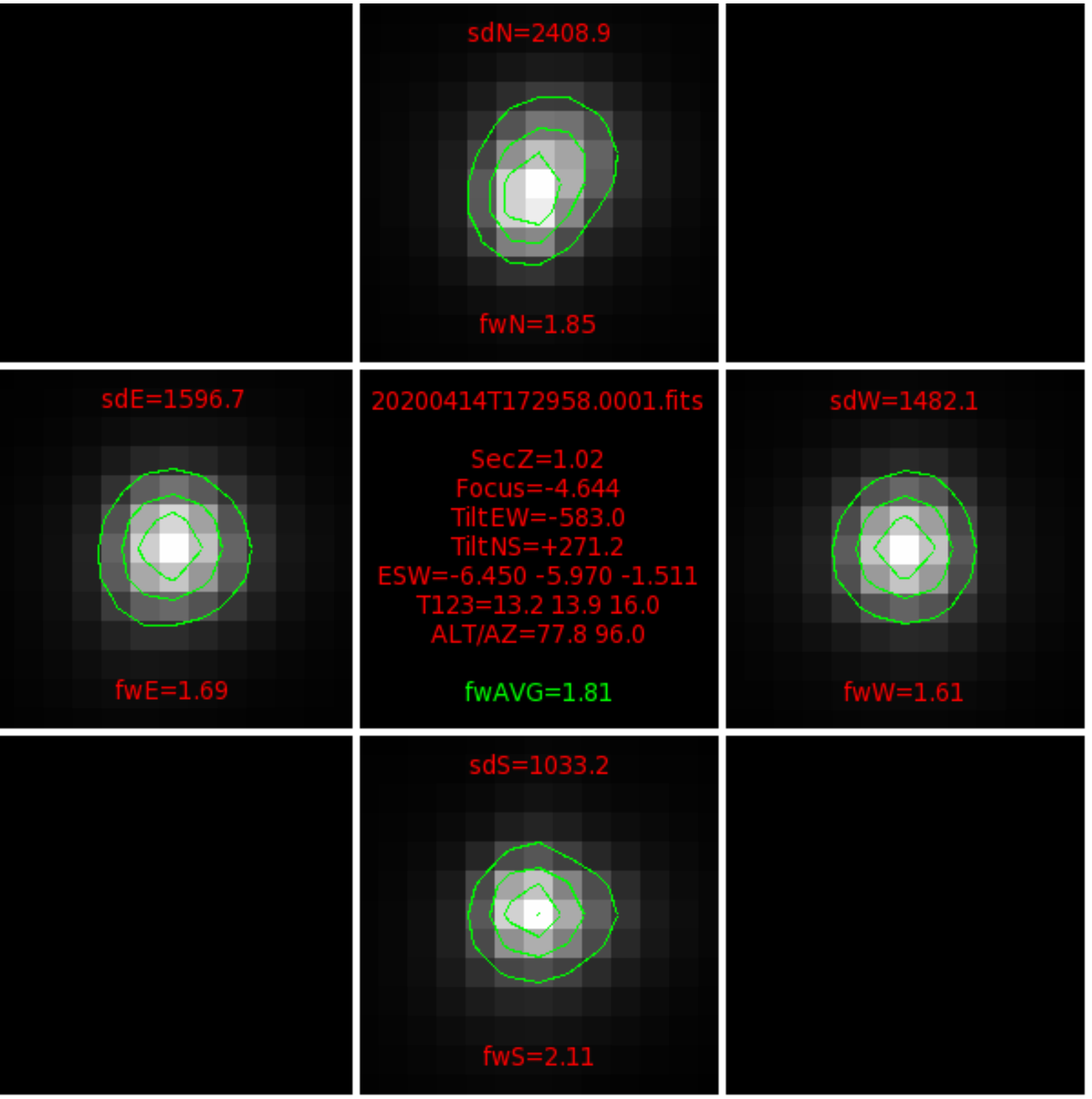
sdN=2408.9
fwN=1.85
sdE=1596.7
fwE=1.69
20200414T172958.0001.fits
SecZ=1.02
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.2 13.9 16.0
ALT/AZ=77.8 96.0
fwAVG=1.81
sdW=1482.1
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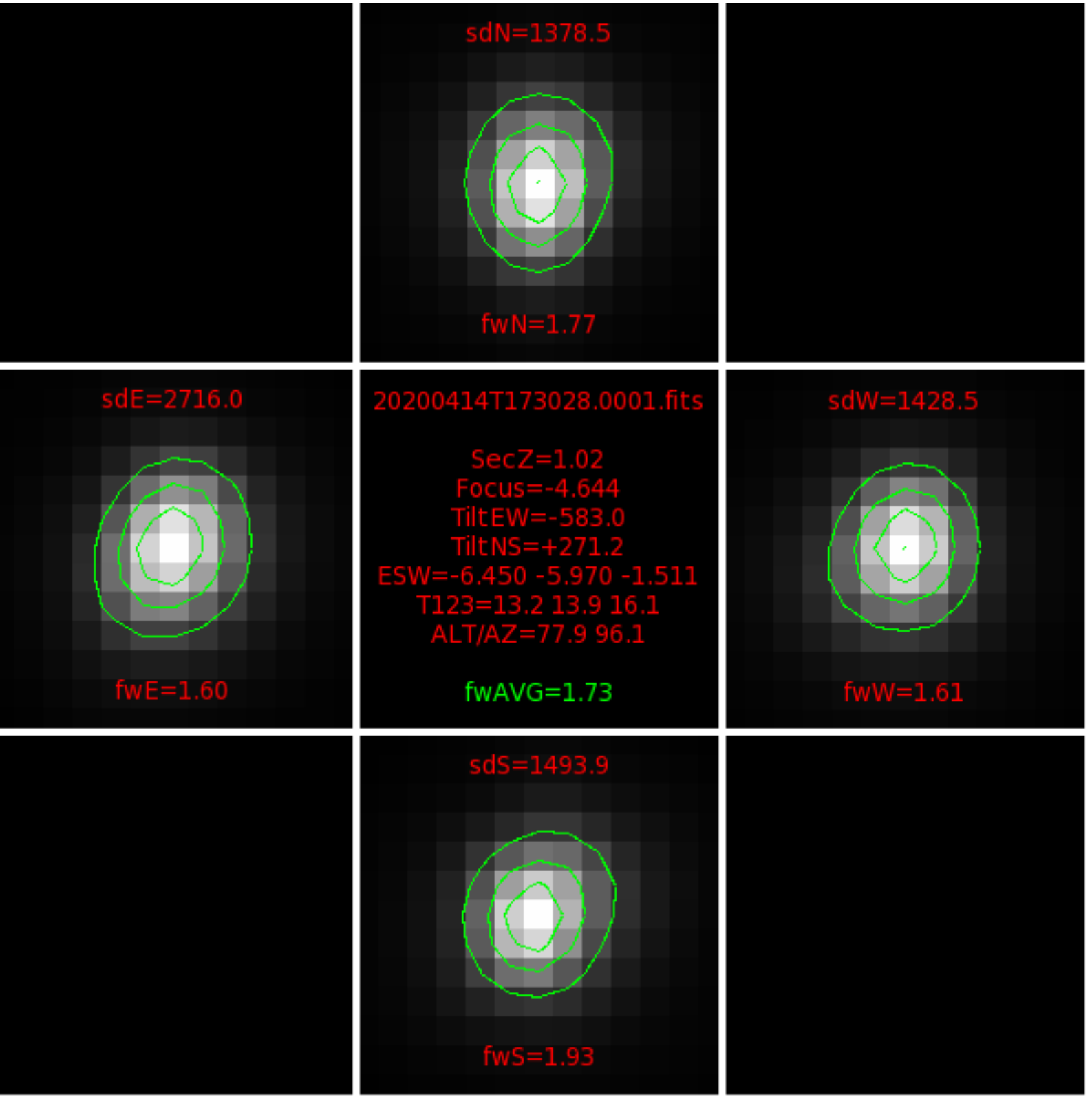
sdN=1378.5
fwN=1.77
sdE=2716.0
fwE=1.60
20200414T173028.0001.fits
SecZ=1.02
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.2 13.9 16.1
ALT/AZ=77.9 96.1
fwAVG=1.73
sdW=1428.5
fwW=1.61
sdS=1493.9
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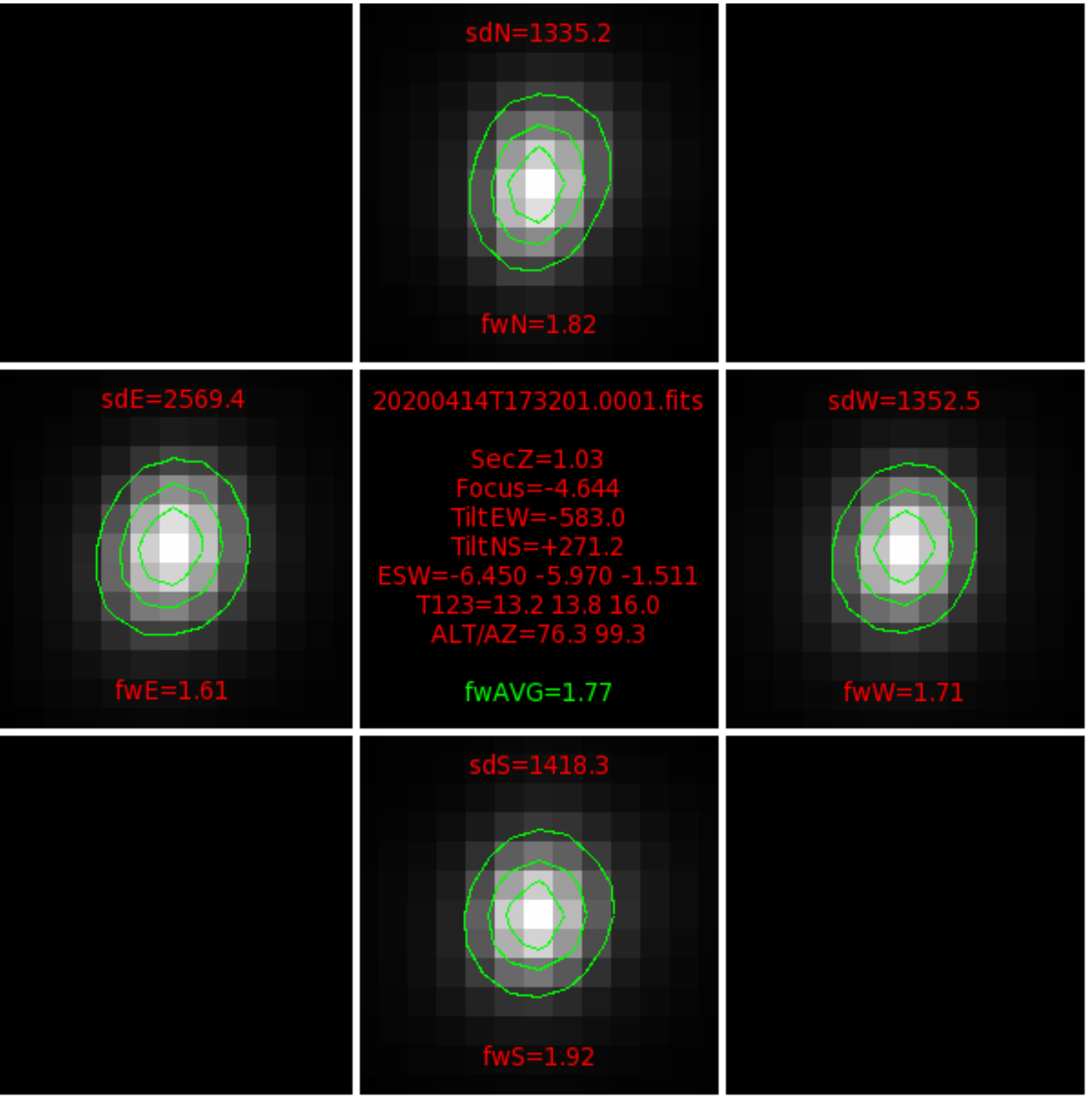
sdN=1335.2
fwN=1.82
sdE=2569.4
fwE=1.61
20200414T173201.0001.fits
SecZ=1.03
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.2 13.8 16.0
ALT/AZ=76.3 99.3
fwAVG=1.77
sdW=1352.5
fwW=1.71
sdS=1418.3
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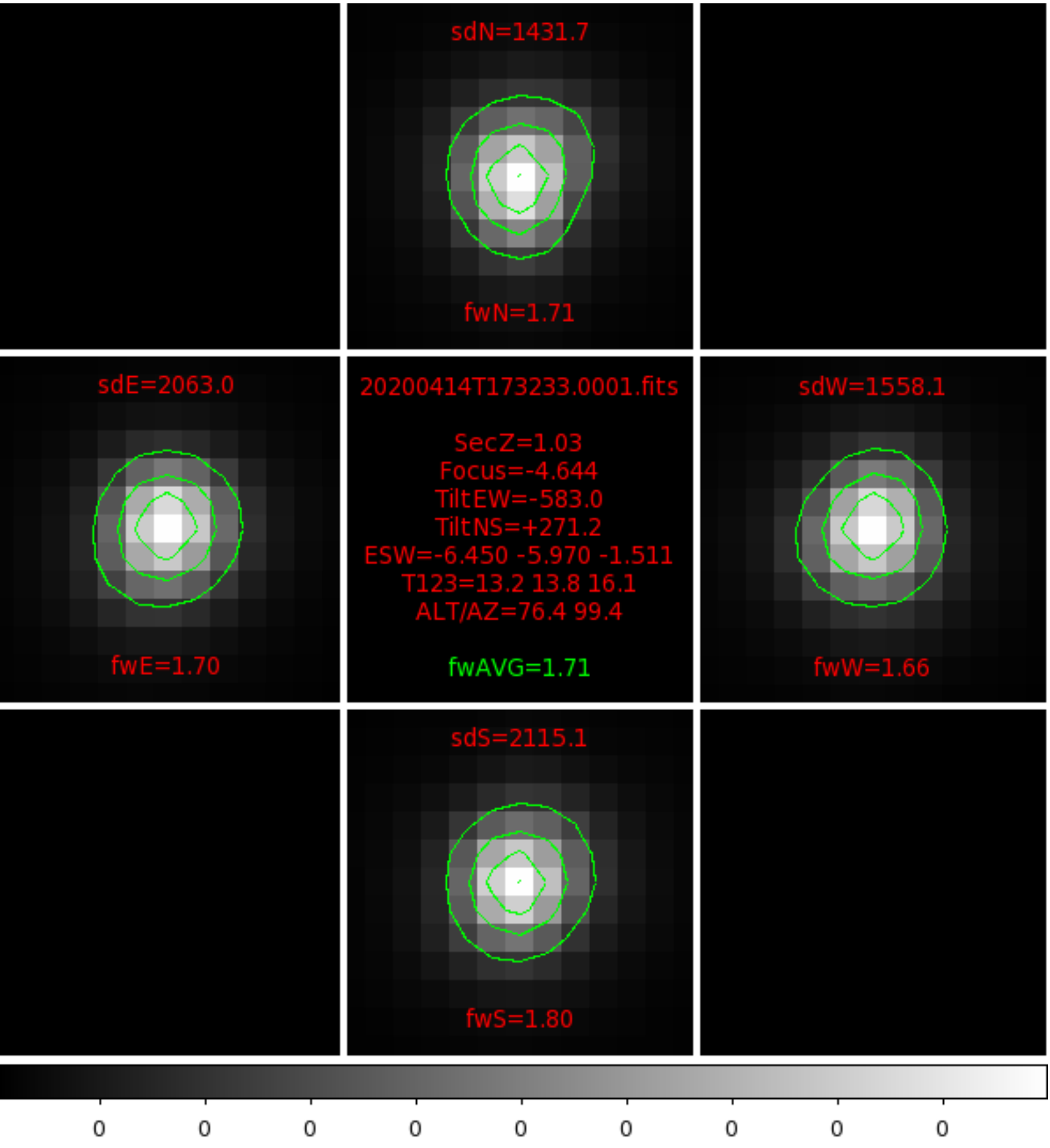
sdN=1431.7
fwN=1.71
sdE=2063.0
fwE=1.70
20200414T173233.0001.fits
SecZ=1.03
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.2 13.8 16.1
ALT/AZ=76.4 99.4
fwAVG=1.71
sdW=1558.1
fwW=1.66
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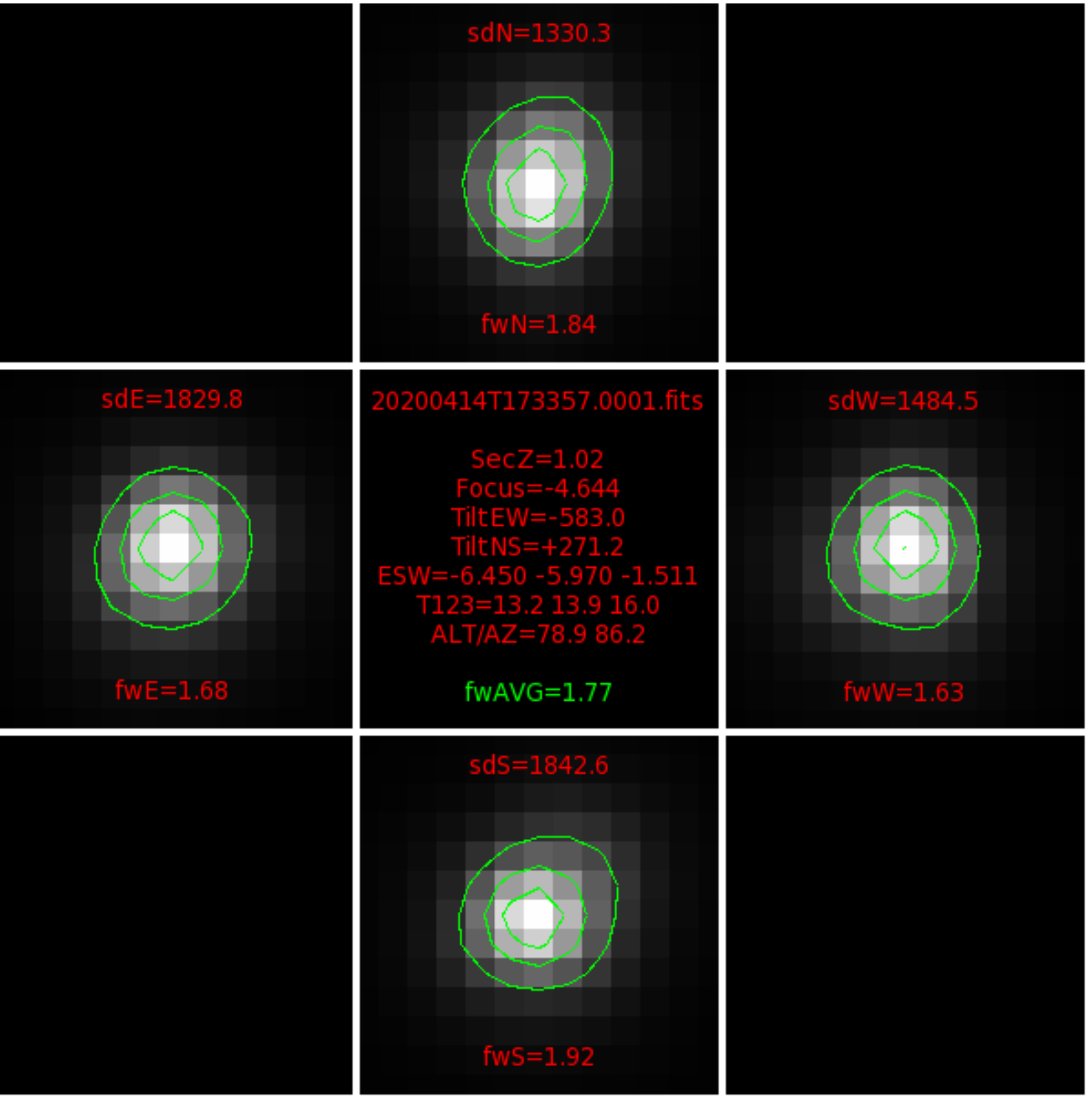
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fwN=1.84
sdE=1829.8
fwE=1.68
20200414T173357.0001.fits
SecZ=1.02
Focus=-4.644
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.450 -5.970 -1.511
T123=13.2 13.9 16.0
ALT/AZ=78.9 86.2
fwAVG=1.77
sdW=1484.5
fwW=1.63
sdS=1842.6
fwS=1.92
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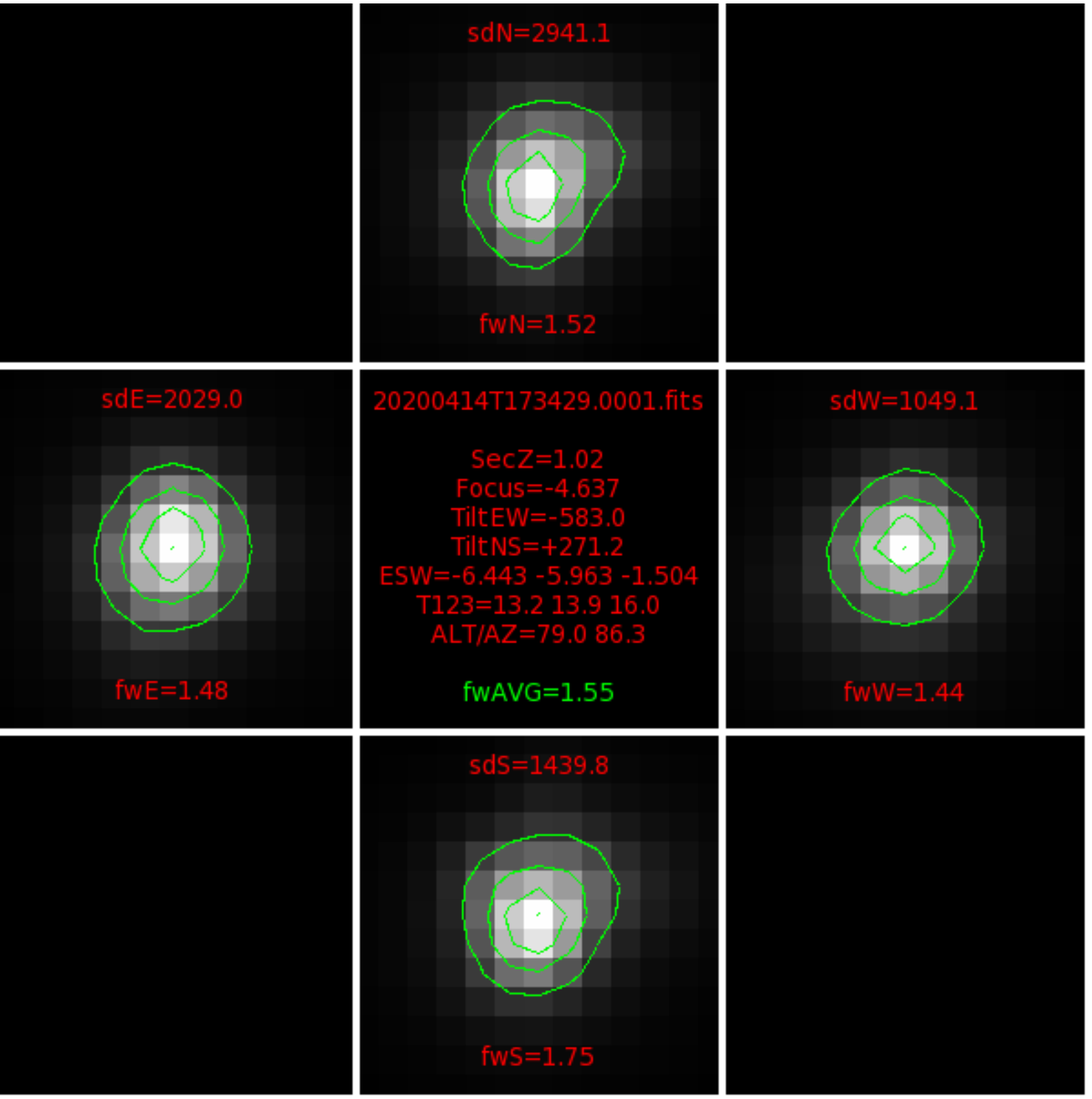
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sdE=2029.0
fwE=1.48
20200414T173429.0001.fits
SecZ=1.02
Focus=-4.637
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.443 -5.963 -1.504
T123=13.2 13.9 16.0
ALT/AZ=79.0 86.3
fwAVG=1.55
sdW=1049.1
fwW=1.44
sdS=1439.8
fwS=1.75
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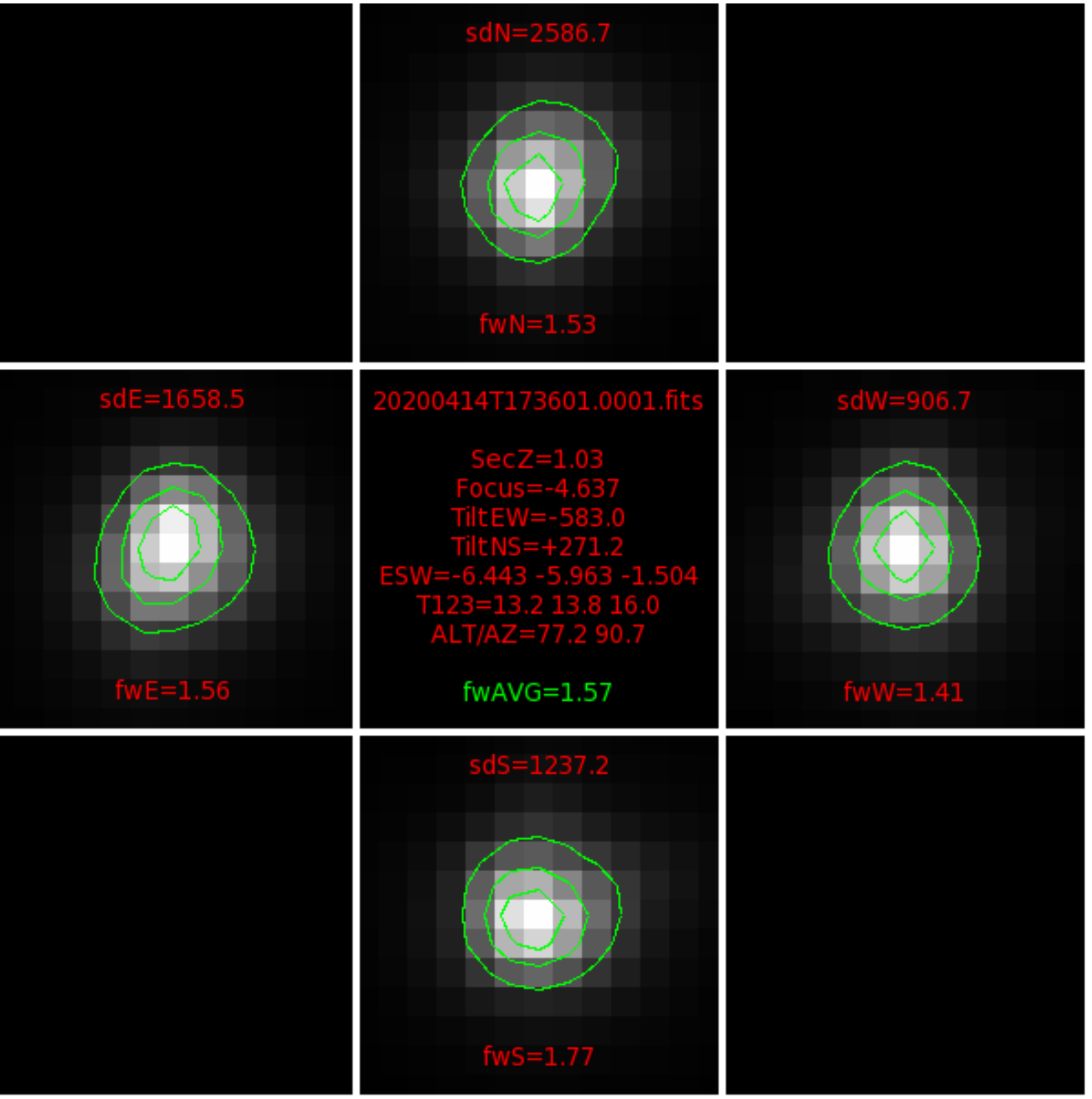
sdN=2586.7
fwN=1.53
sdE=1658.5
fwE=1.56
20200414T173601.0001.fits
SecZ=1.03
Focus=-4.637
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.443 -5.963 -1.504
T123=13.2 13.8 16.0
ALT/AZ=77.2 90.7
fwAVG=1.57
sdW=906.7
fwW=1.41
sdS=1237.2
fwS=1.77
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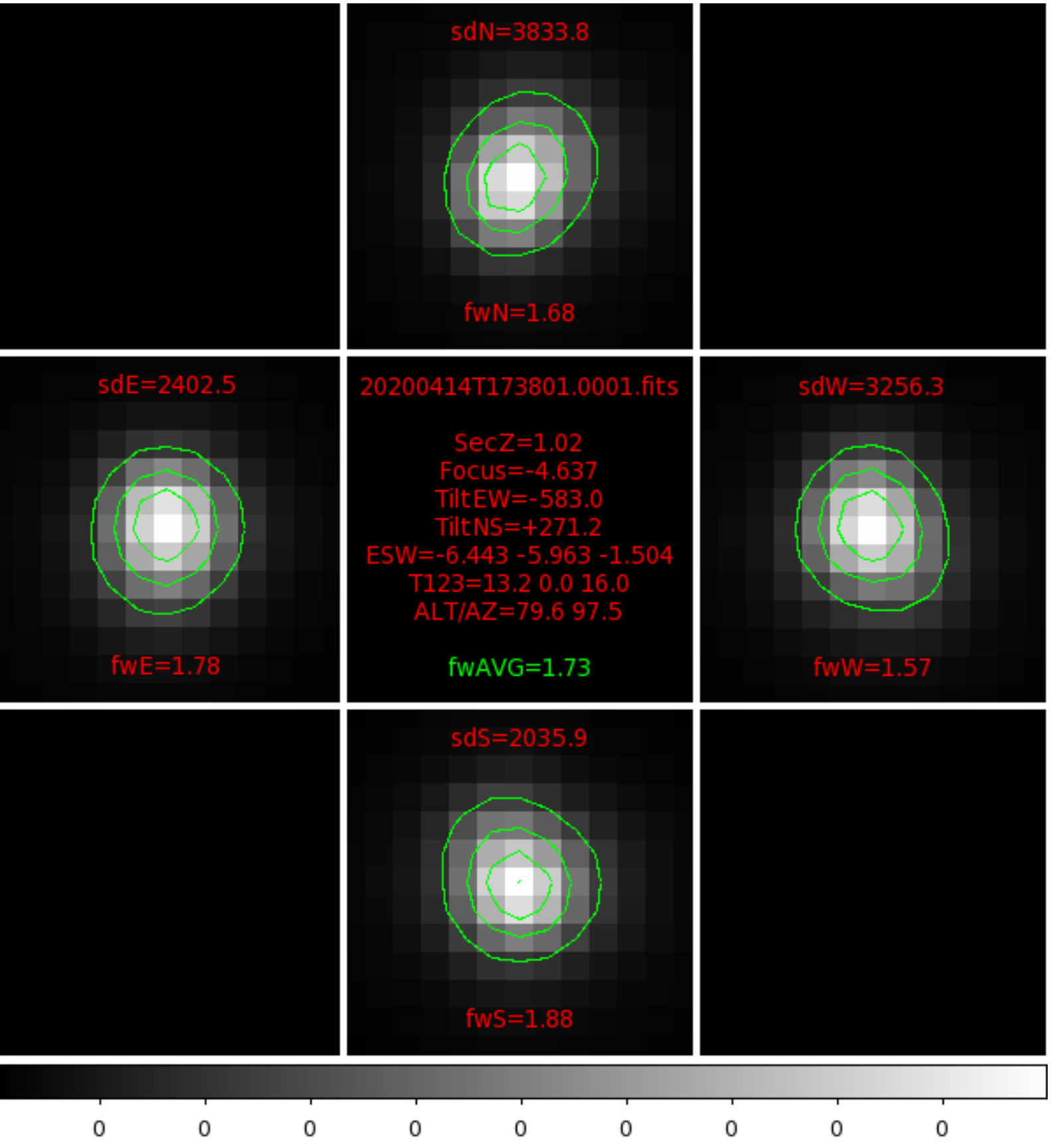
sdN=3833.8
fwN=1.68
sdE=2402.5
fwE=1.78
20200414T173801.0001.fits
SecZ=1.02
Focus=-4.637
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.443 -5.963 -1.504
T123=13.2 0.0 16.0
ALT/AZ=79.6 97.5
fwAVG=1.73
sdW=3256.3
fwW=1.57
sdS=2035.9
fwS=1.88
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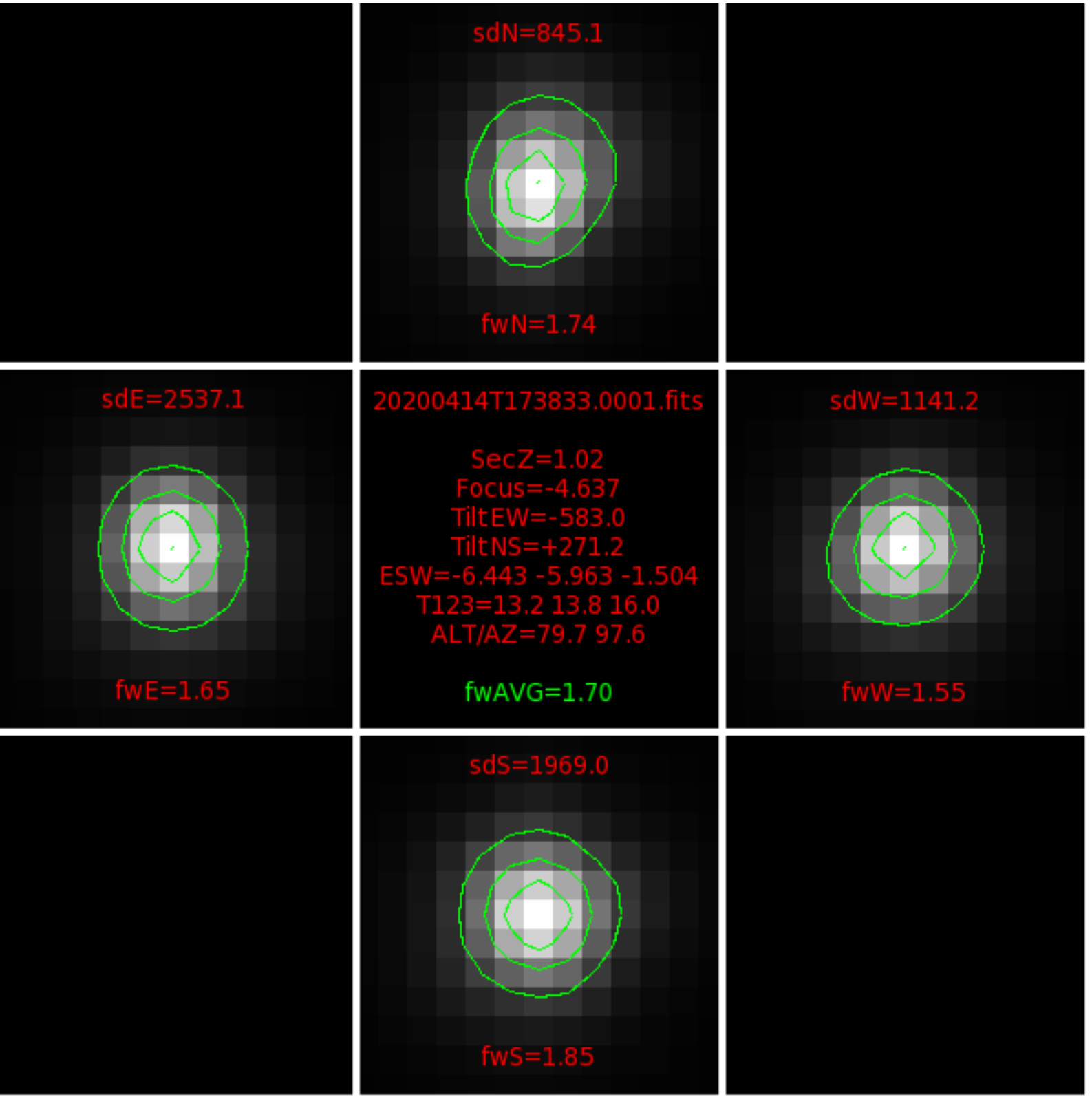
sdN=845.1
fwN=1.74
sdE=2537.1
fwE=1.65
20200414T173833.0001.fits
SecZ=1.02
Focus=-4.637
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.443 -5.963 -1.504
T123=13.2 13.8 16.0
ALT/AZ=79.7 97.6
fwAVG=1.70
sdW=1141.2
fwW=1.55
sdS=1969.0
fwS=1.85
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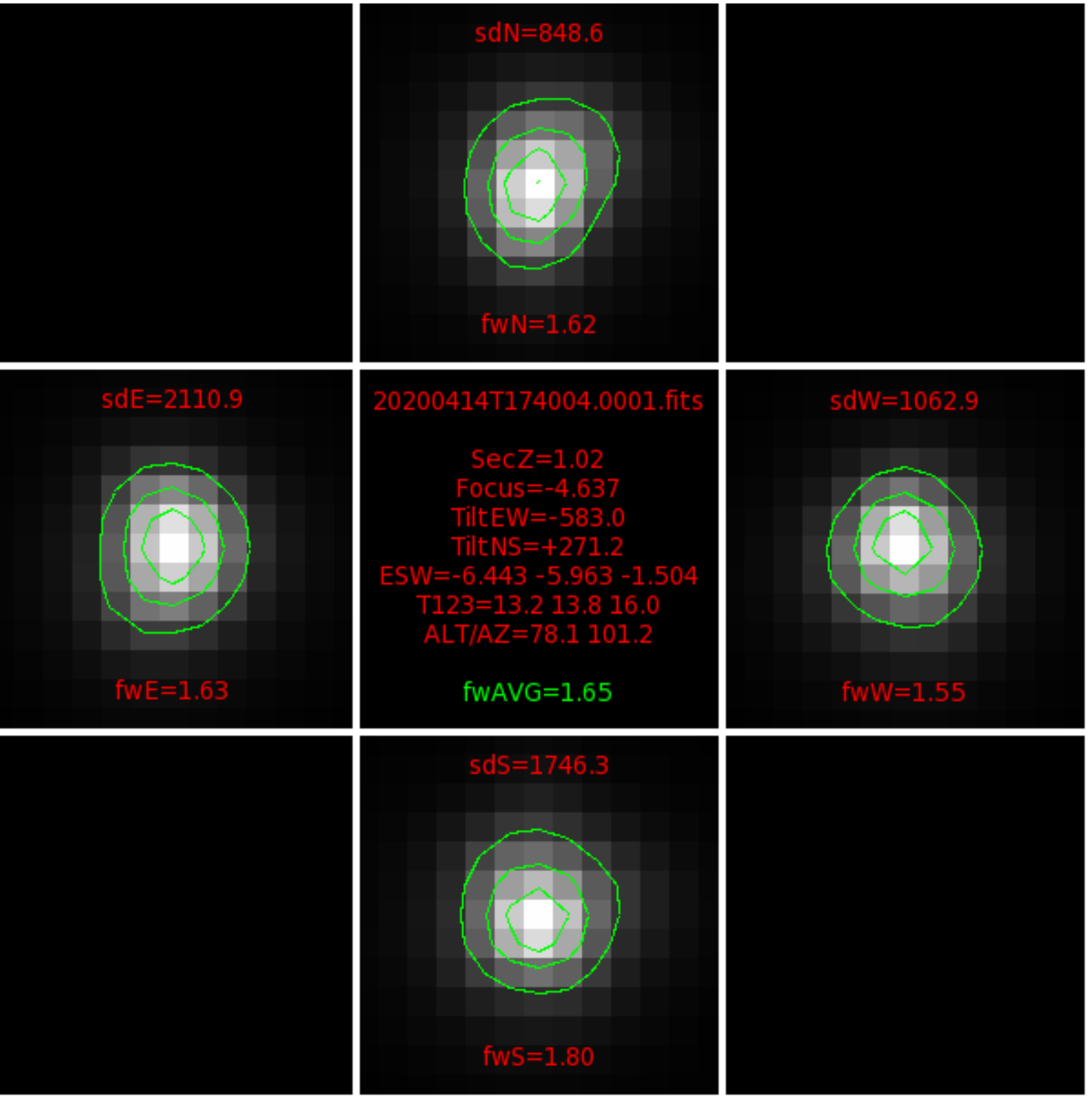
sdN=848.6
fwN=1.62
sdE=2110.9
fwE=1.63
20200414T174004.0001.fits
SecZ=1.02
Focus=-4.637
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.443 -5.963 -1.504
T123=13.2 13.8 16.0
ALT/AZ=78.1 101.2
fwAVG=1.65
sdW=1062.9
fwW=1.55
sdS=1746.3
fwS=1.80
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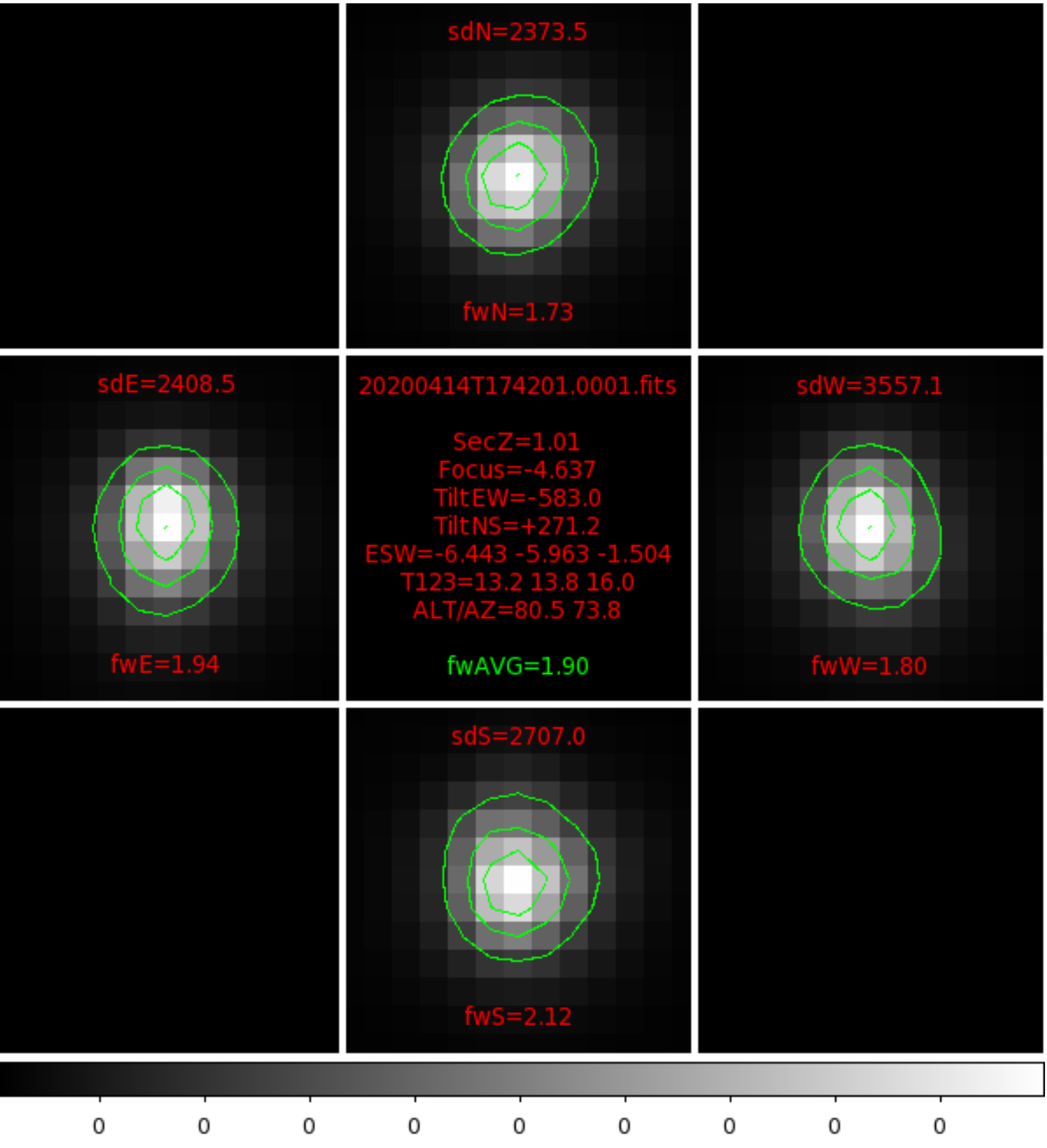
sdN=2373.5
fwN=1.73
sdE=2408.5
fwE=1.94
20200414T174201.0001.fits
SecZ=1.01
Focus=-4.637
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.443 -5.963 -1.504
T123=13.2 13.8 16.0
ALT/AZ=80.5 73.8
fwAVG=1.90
sdW=3557.1
fwW=1.80
sdS=2707.0
fwS=2.12
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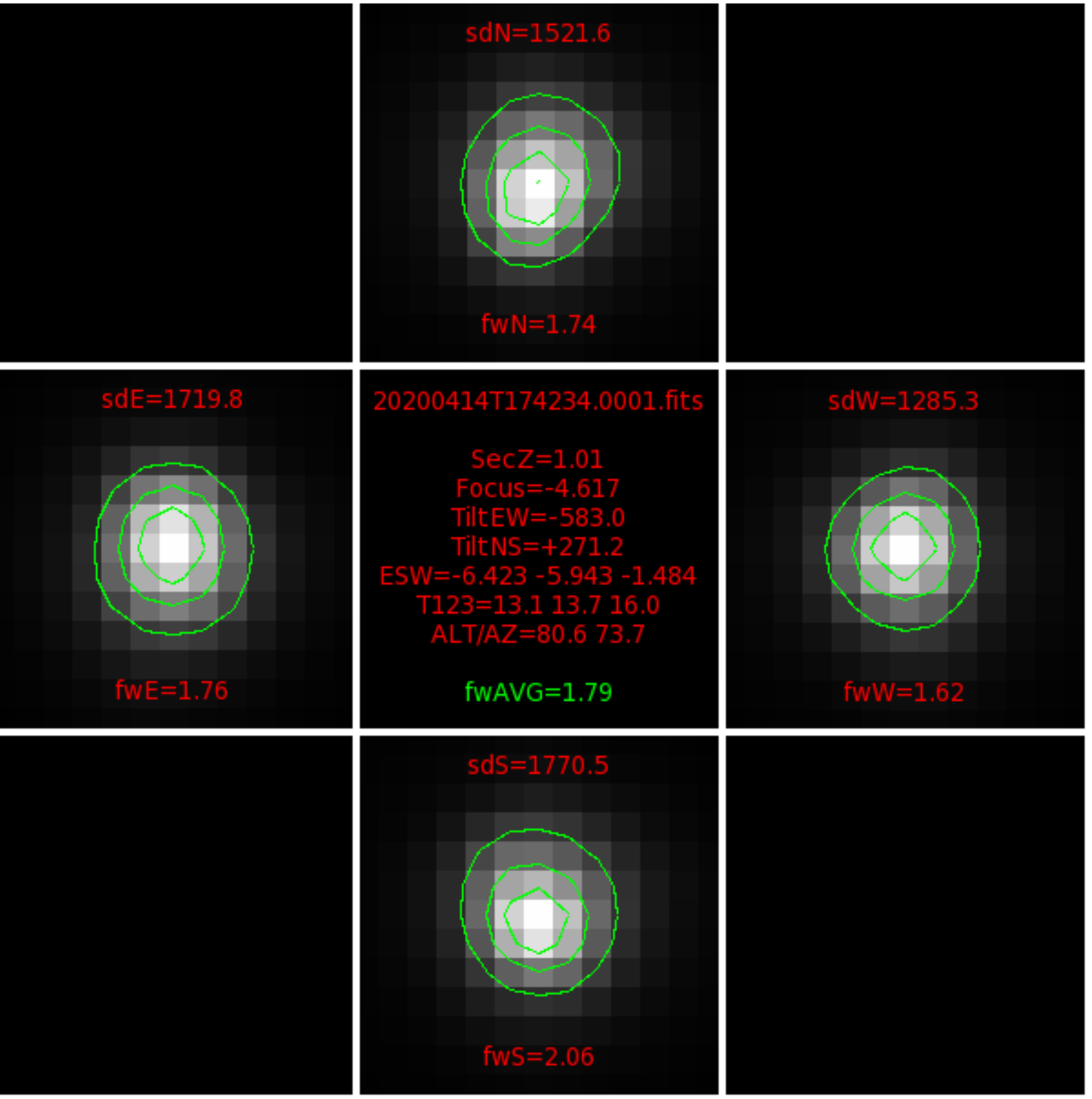
sdN=1521.6
fwN=1.74
sdE=1719.8
fwE=1.76
20200414T174234.0001.fits
SecZ=1.01
Focus=-4.617
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.423 -5.943 -1.484
T123=13.1 13.7 16.0
ALT/AZ=80.6 73.7
fwAVG=1.79
sdW=1285.3
fwW=1.62
sdS=1770.5
fwS=2.06
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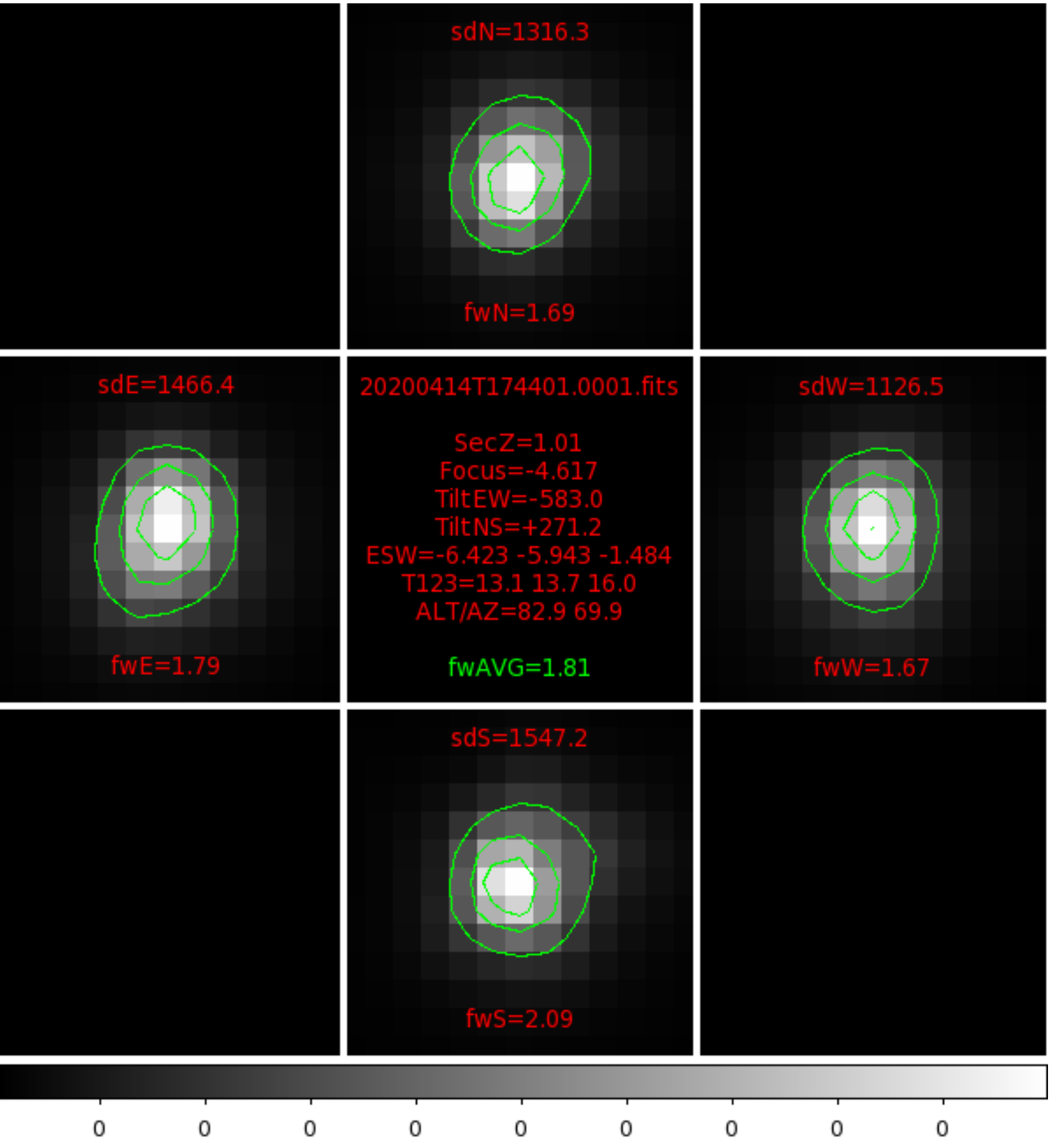
sdN=1316.3
fwN=1.69
sdE=1466.4
fwE=1.79
20200414T174401.0001.fits
SecZ=1.01
Focus=-4.617
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.423 -5.943 -1.484
T123=13.1 13.7 16.0
ALT/AZ=82.9 69.9
fwAVG=1.81
sdW=1126.5
fwW=1.67
sdS=1547.2
fwS=2.09
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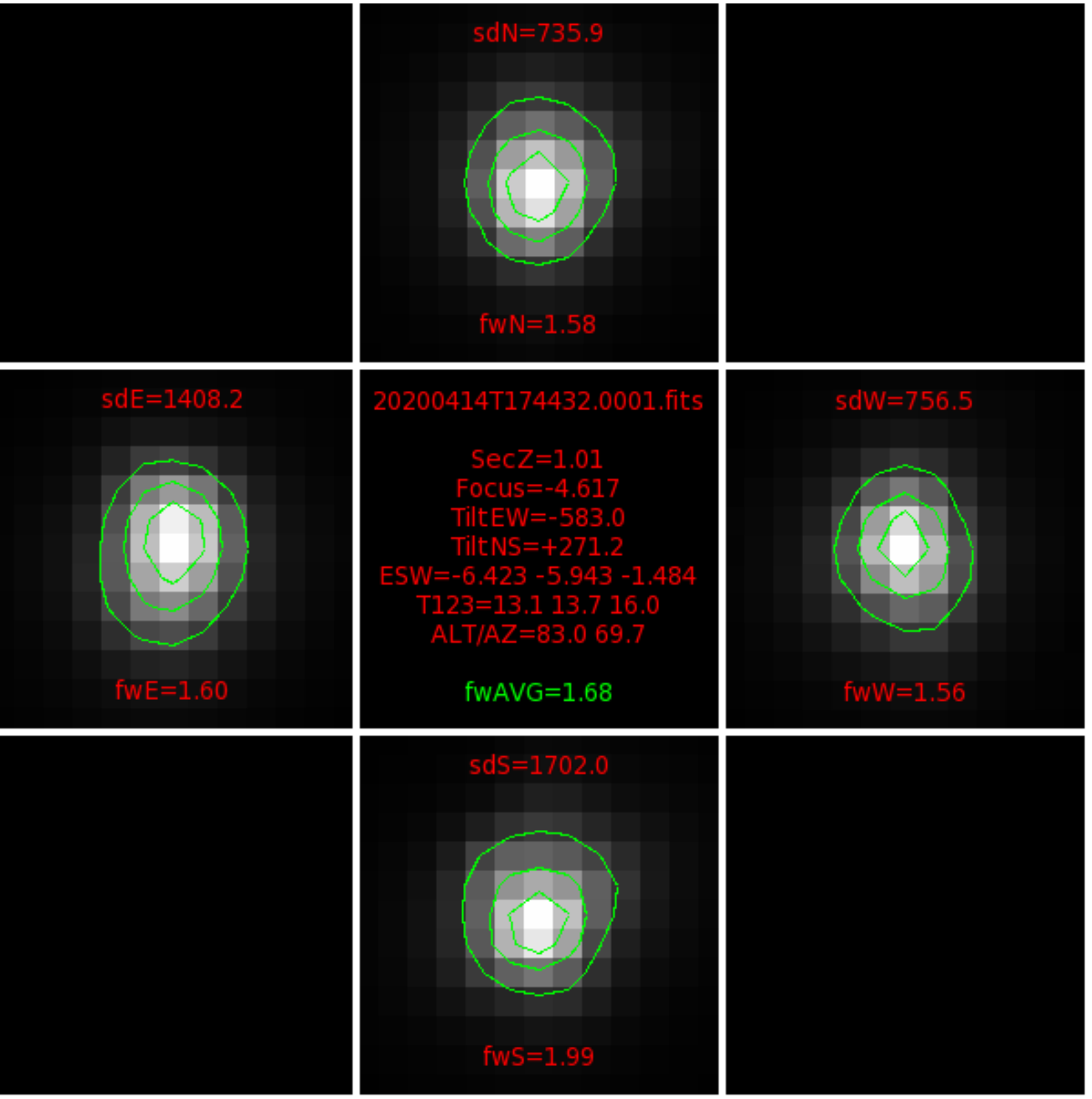
sdN=735.9
fwN=1.58
sdE=1408.2
fwE=1.60
20200414T174432.0001.fits
SecZ=1.01
Focus=-4.617
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.423 -5.943 -1.484
T123=13.1 13.7 16.0
ALT/AZ=83.0 69.7
fwAVG=1.68
sdW=756.5
fwW=1.56
sdS=1702.0
fwS=1.99
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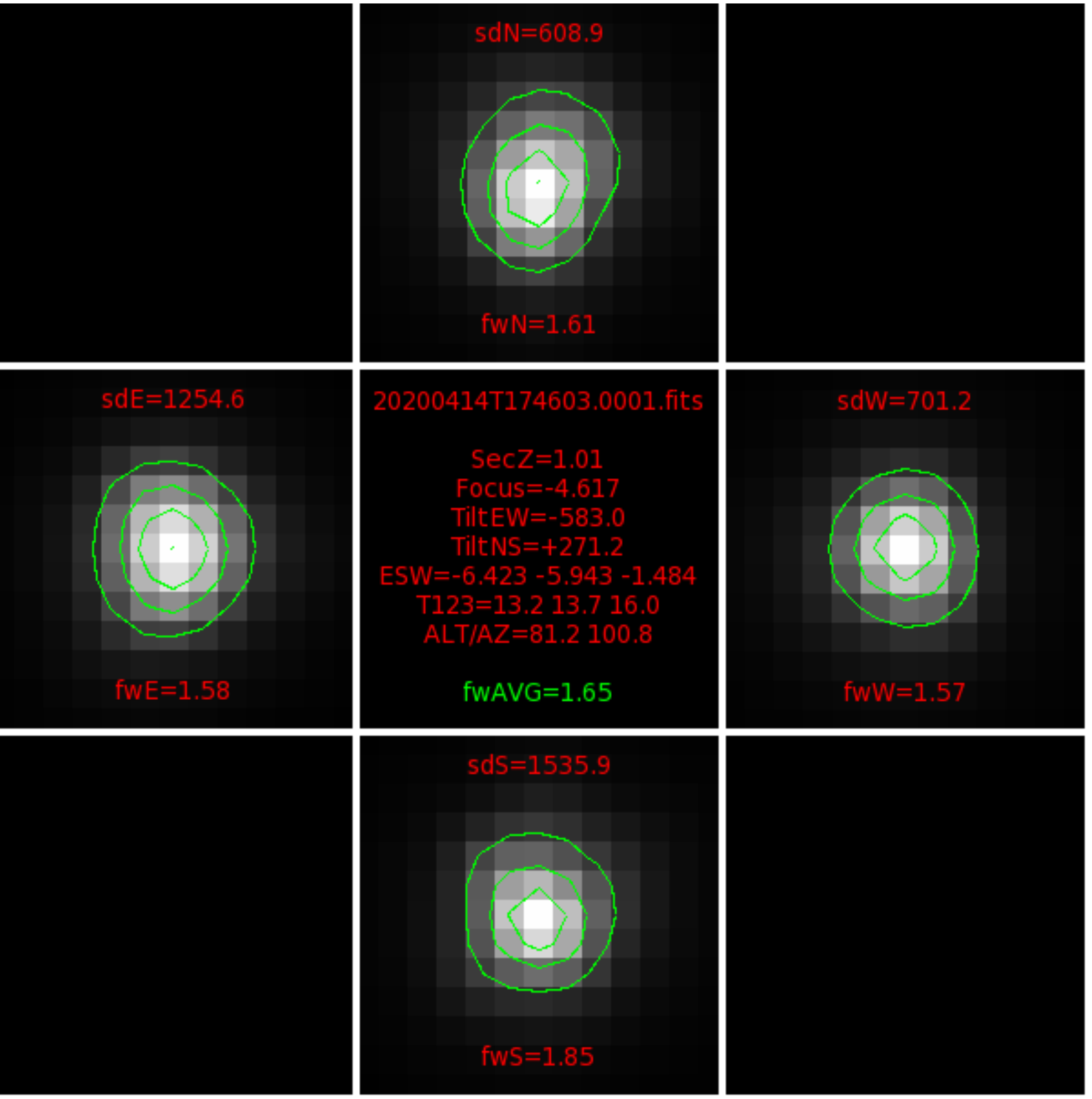
sdN=608.9
fwN=1.61
sdE=1254.6
fwE=1.58
20200414T174603.0001.fits
SecZ=1.01
Focus=-4.617
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.423 -5.943 -1.484
T123=13.2 13.7 16.0
ALT/AZ=81.2 100.8
fwAVG=1.65
sdW=701.2
fwW=1.57
sdS=1535.9
fwS=1.85
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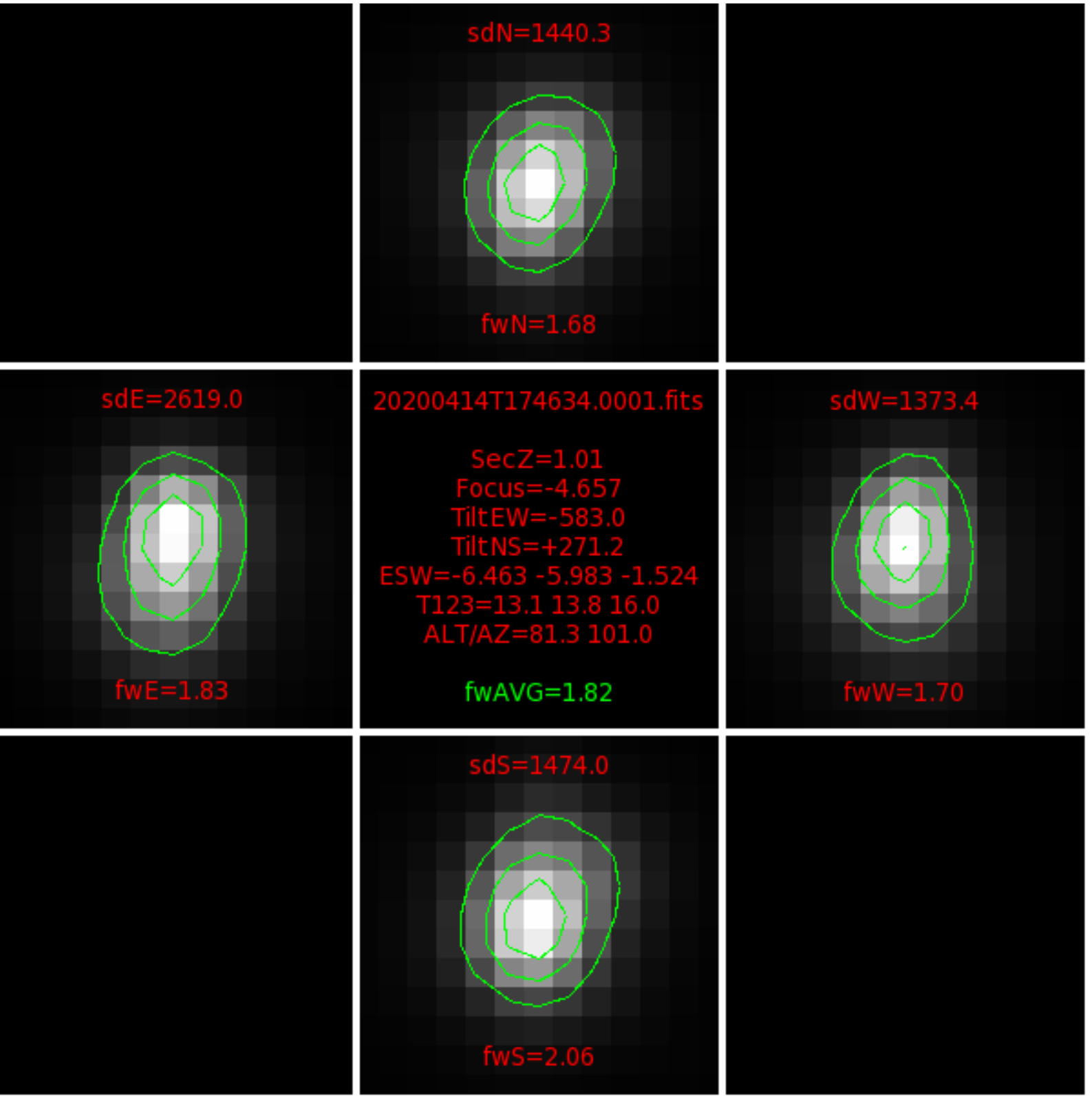
sdN=1440.3
fwN=1.68
sdE=2619.0
fwE=1.83
20200414T174634.0001.fits
SecZ=1.01
Focus=-4.657
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.463 -5.983 -1.524
T123=13.1 13.8 16.0
ALT/AZ=81.3 101.0
fwAVG=1.82
sdW=1373.4
fwW=1.70
sdS=1474.0
fwS=2.06
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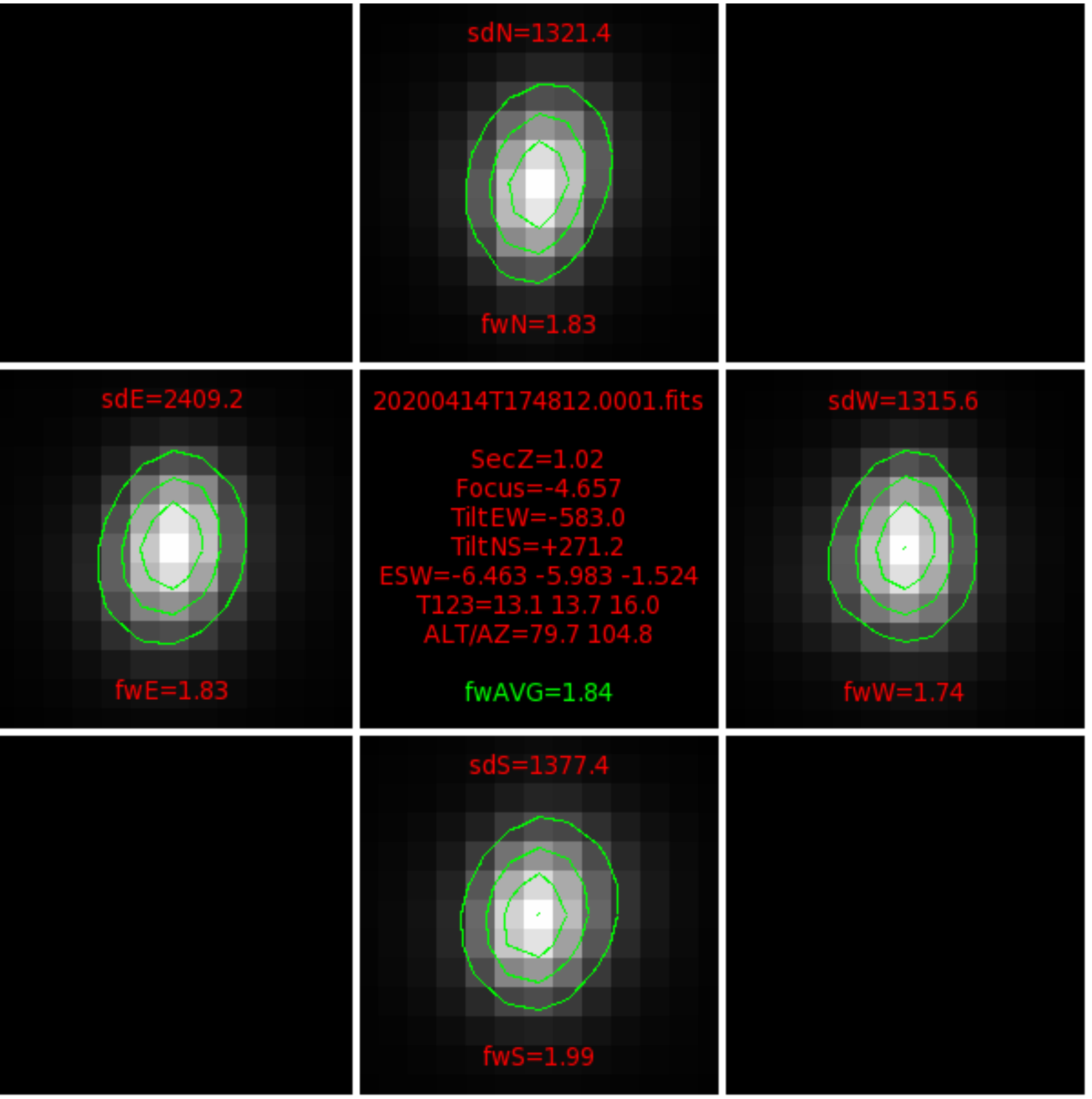
sdN=1321.4
fwN=1.83
sdE=2409.2
fwE=1.83
20200414T174812.0001.fits
SecZ=1.02
Focus=-4.657
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.463 -5.983 -1.524
T123=13.1 13.7 16.0
ALT/AZ=79.7 104.8
fwAVG=1.84
sdW=1315.6
fwW=1.74
sdS=1377.4
fwS=1.99
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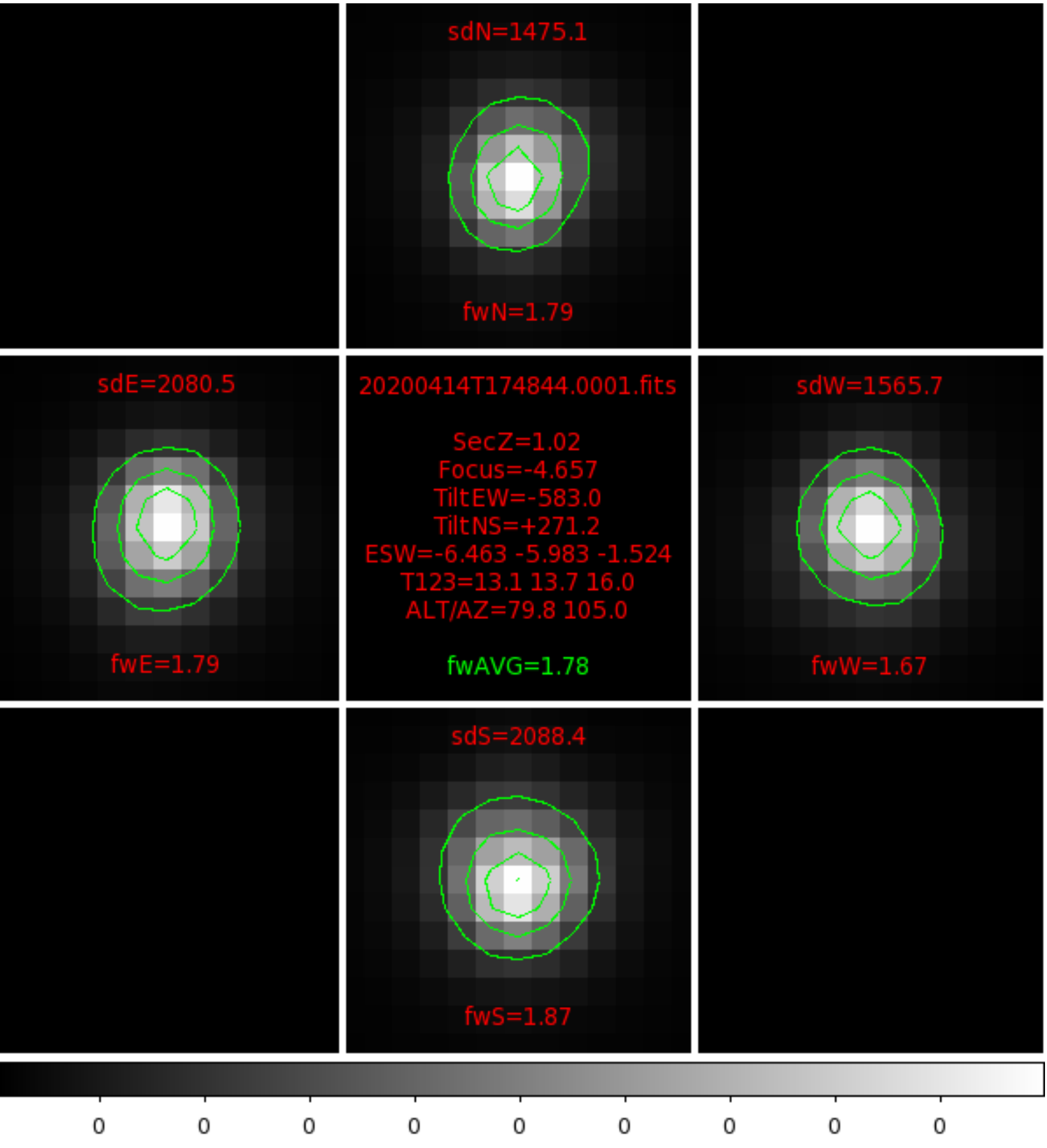
sdN=1475.1
fwN=1.79
sdE=2080.5
fwE=1.79
20200414T174844.0001.fits
SecZ=1.02
Focus=-4.657
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.463 -5.983 -1.524
T123=13.1 13.7 16.0
ALT/AZ=79.8 105.0
fwAVG=1.78
sdW=1565.7
fwW=1.67
sdS=2088.4
fwS=1.87
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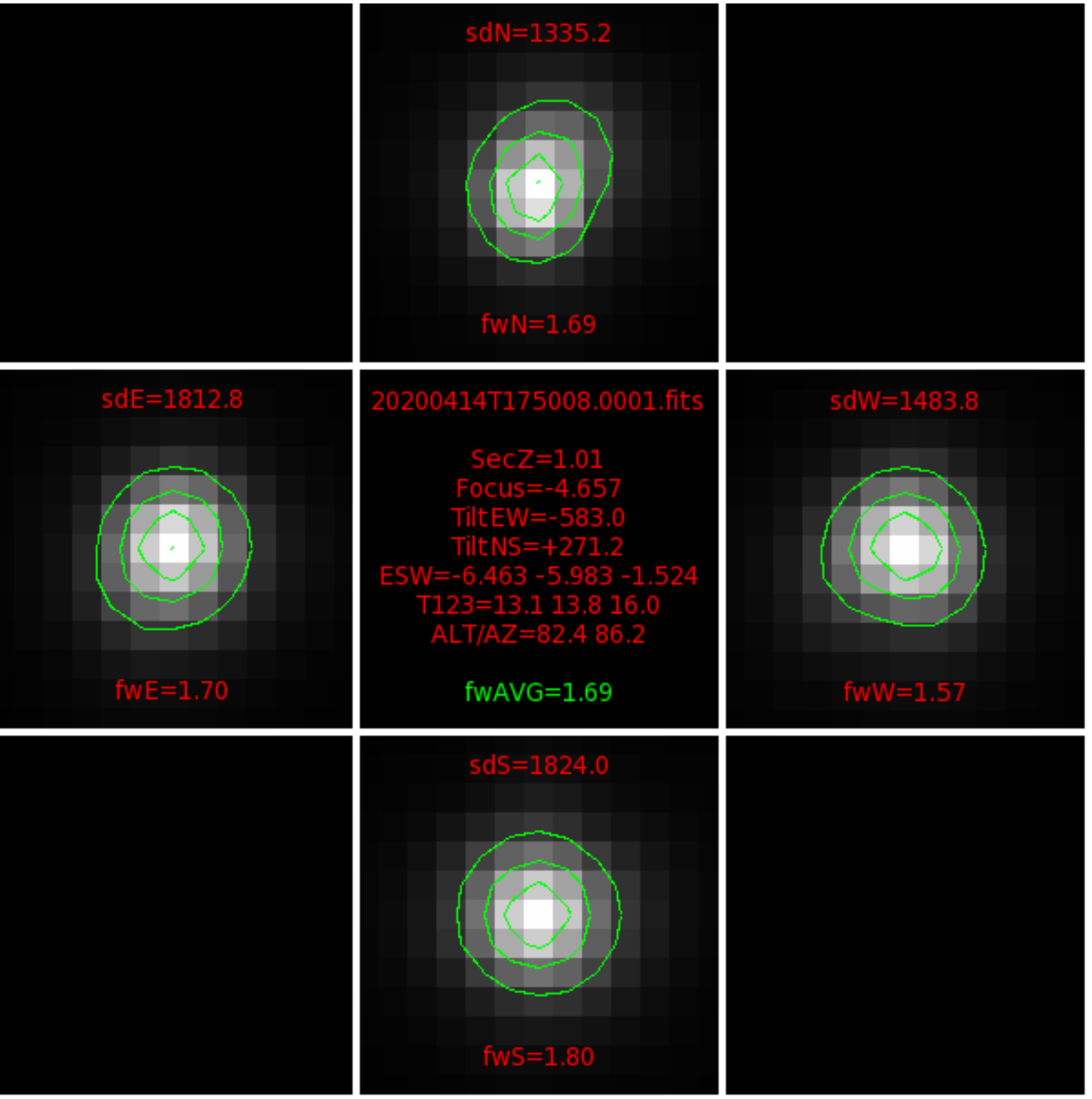
sdN=1335.2
fwN=1.69
sdE=1812.8
fwE=1.70
20200414T175008.0001.fits
SecZ=1.01
Focus=-4.657
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.463 -5.983 -1.524
T123=13.1 13.8 16.0
ALT/AZ=82.4 86.2
fwAVG=1.69
sdW=1483.8
fwW=1.57
sdS=1824.0
fwS=1.80
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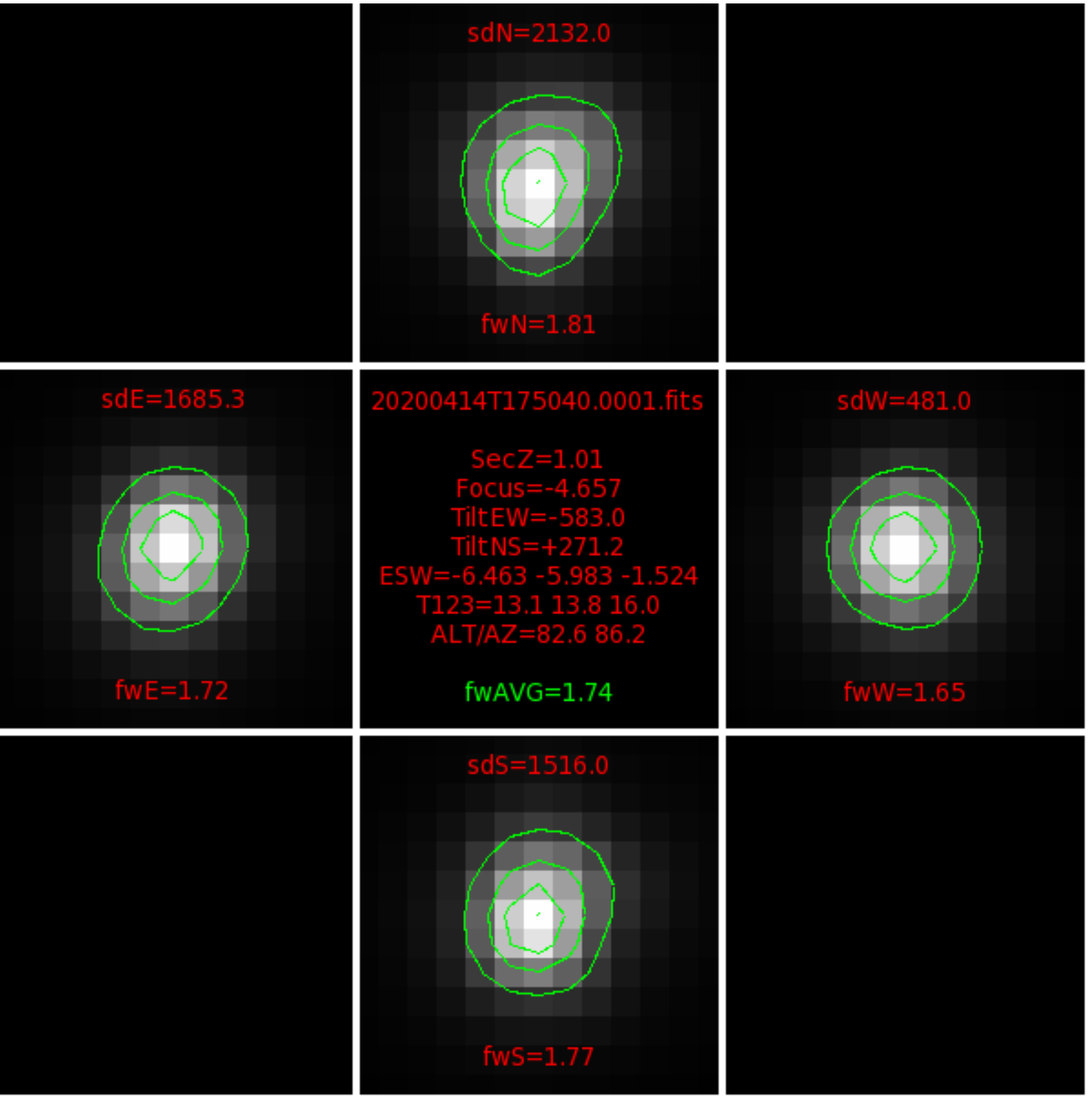
sdN=2132.0
fwN=1.81
sdE=1685.3
fwE=1.72
20200414T175040.0001.fits
SecZ=1.01
Focus=-4.657
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.463 -5.983 -1.524
T123=13.1 13.8 16.0
ALT/AZ=82.6 86.2
fwAVG=1.74
sdW=481.0
fwW=1.65
sdS=1516.0
fwS=1.77
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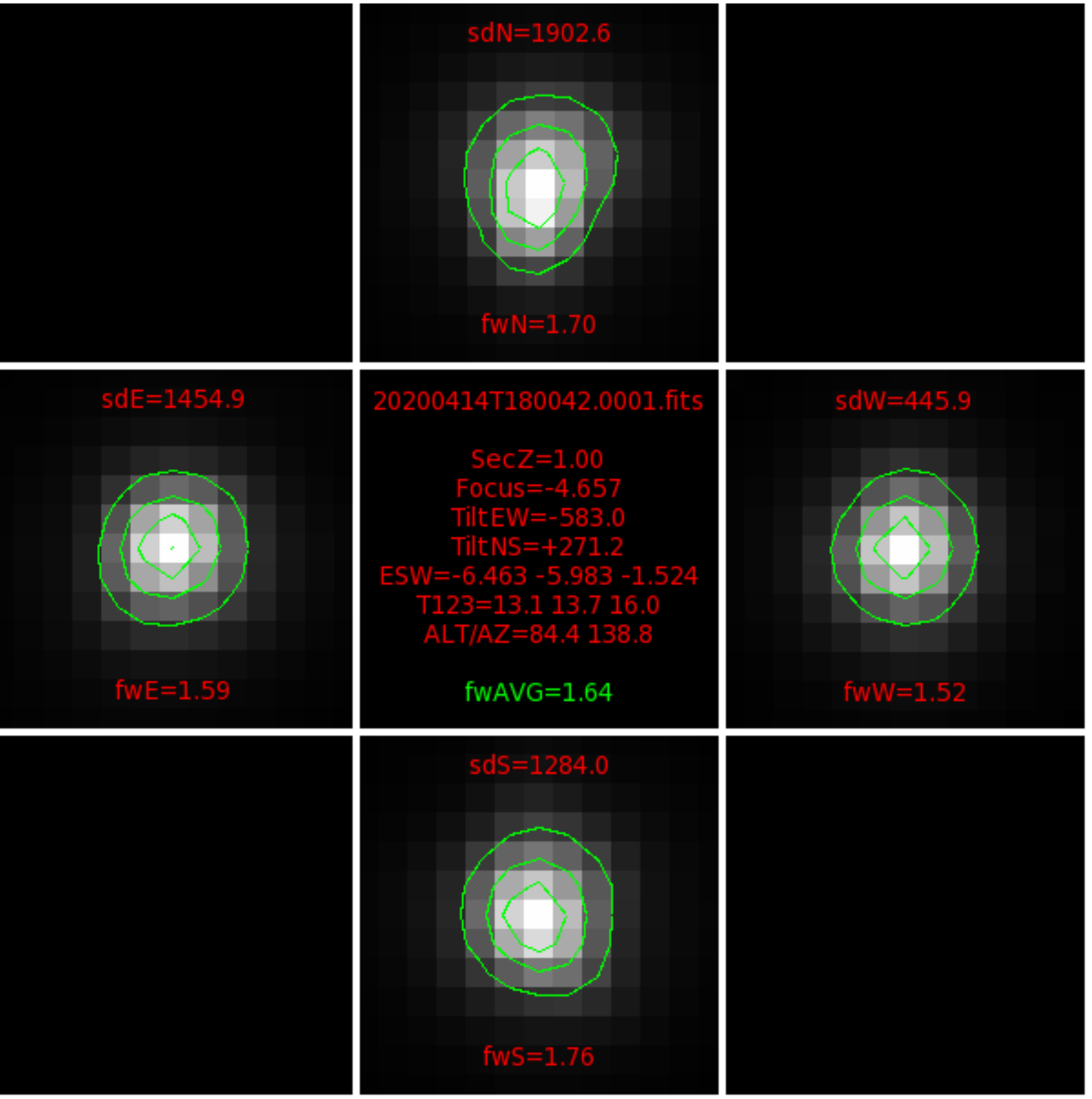
sdN=1902.6
fwN=1.70
sdE=1454.9
fwE=1.59
20200414T180042.0001.fits
SecZ=1.00
Focus=-4.657
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.463 -5.983 -1.524
T123=13.1 13.7 16.0
ALT/AZ=84.4 138.8
fwAVG=1.64
sdW=445.9
fwW=1.52
sdS=1284.0
fwS=1.76
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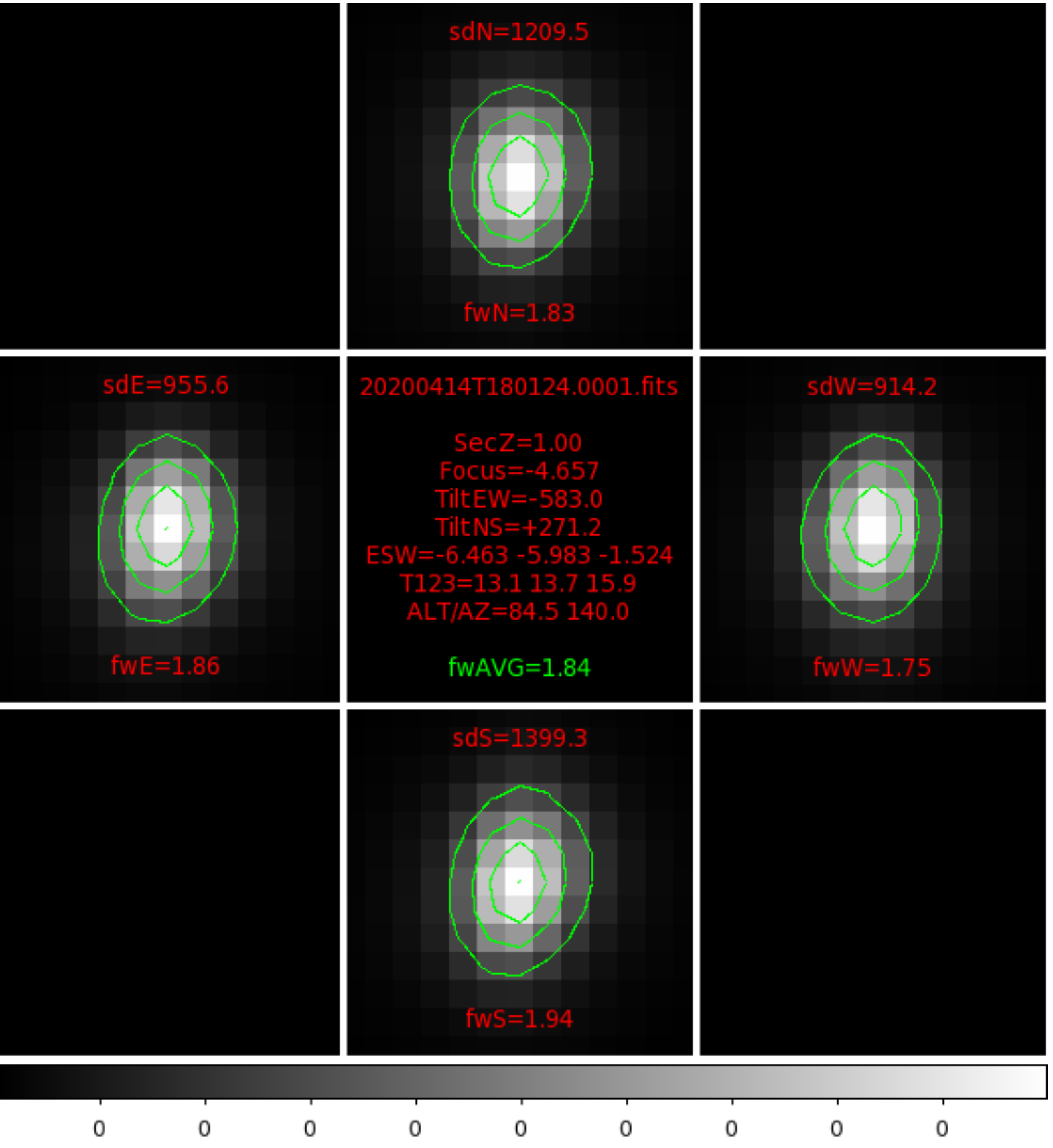
sdN=1209.5
fwN=1.83
sdE=955.6
fwE=1.86
20200414T180124.0001.fits
SecZ=1.00
Focus=-4.657
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.463 -5.983 -1.524
T123=13.1 13.7 15.9
ALT/AZ=84.5 140.0
fwAVG=1.84
sdW=914.2
fwW=1.75
sdS=1399.3
fwS=1.94
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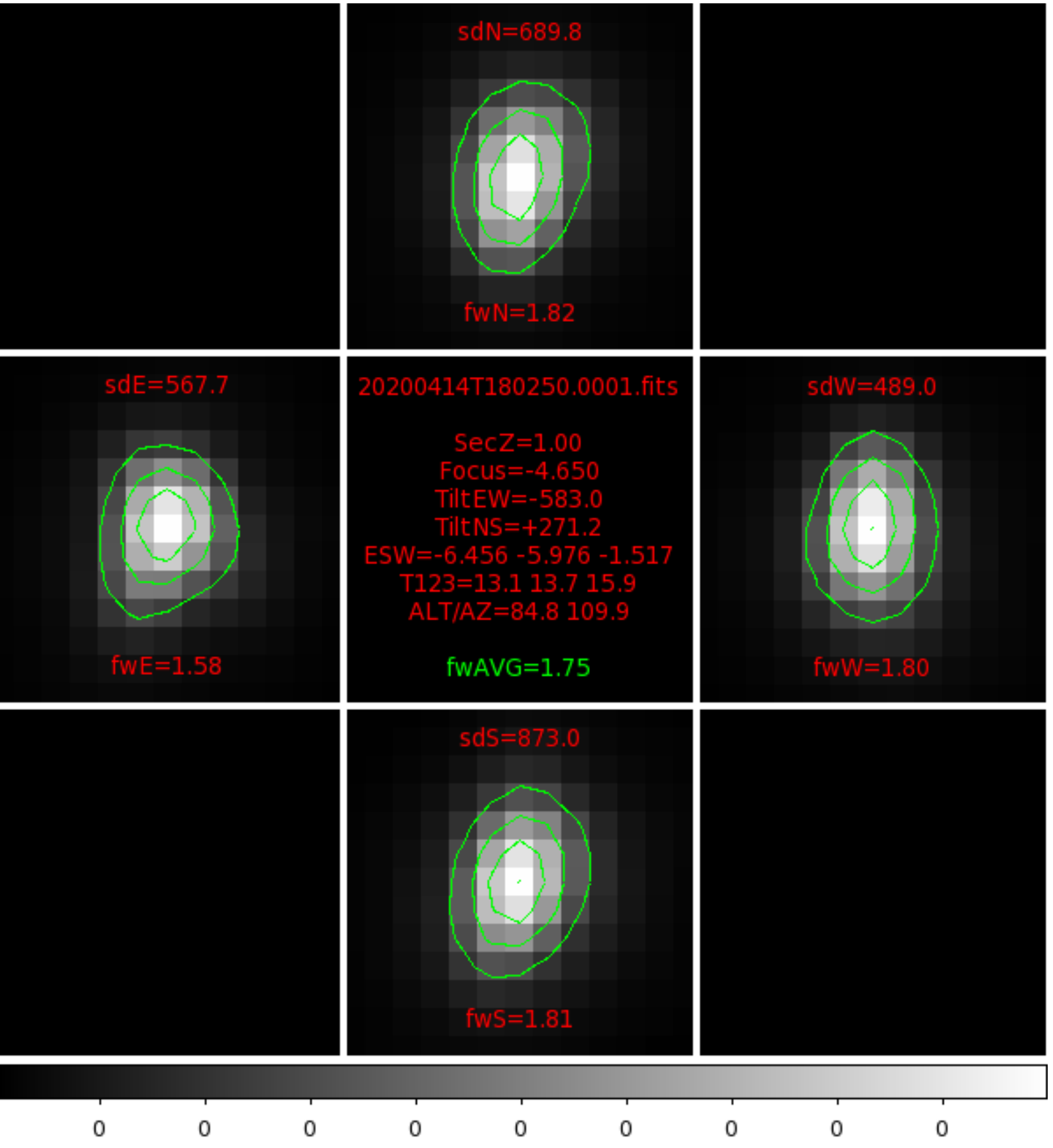
sdN=689.8
fwN=1.82
sdE=567.7
fwE=1.58
20200414T180250.0001.fits
SecZ=1.00
Focus=-4.650
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.456 -5.976 -1.517
T123=13.1 13.7 15.9
ALT/AZ=84.8 109.9
fwAVG=1.75
sdW=489.0
fwW=1.80
sdS=873.0
fwS=1.81
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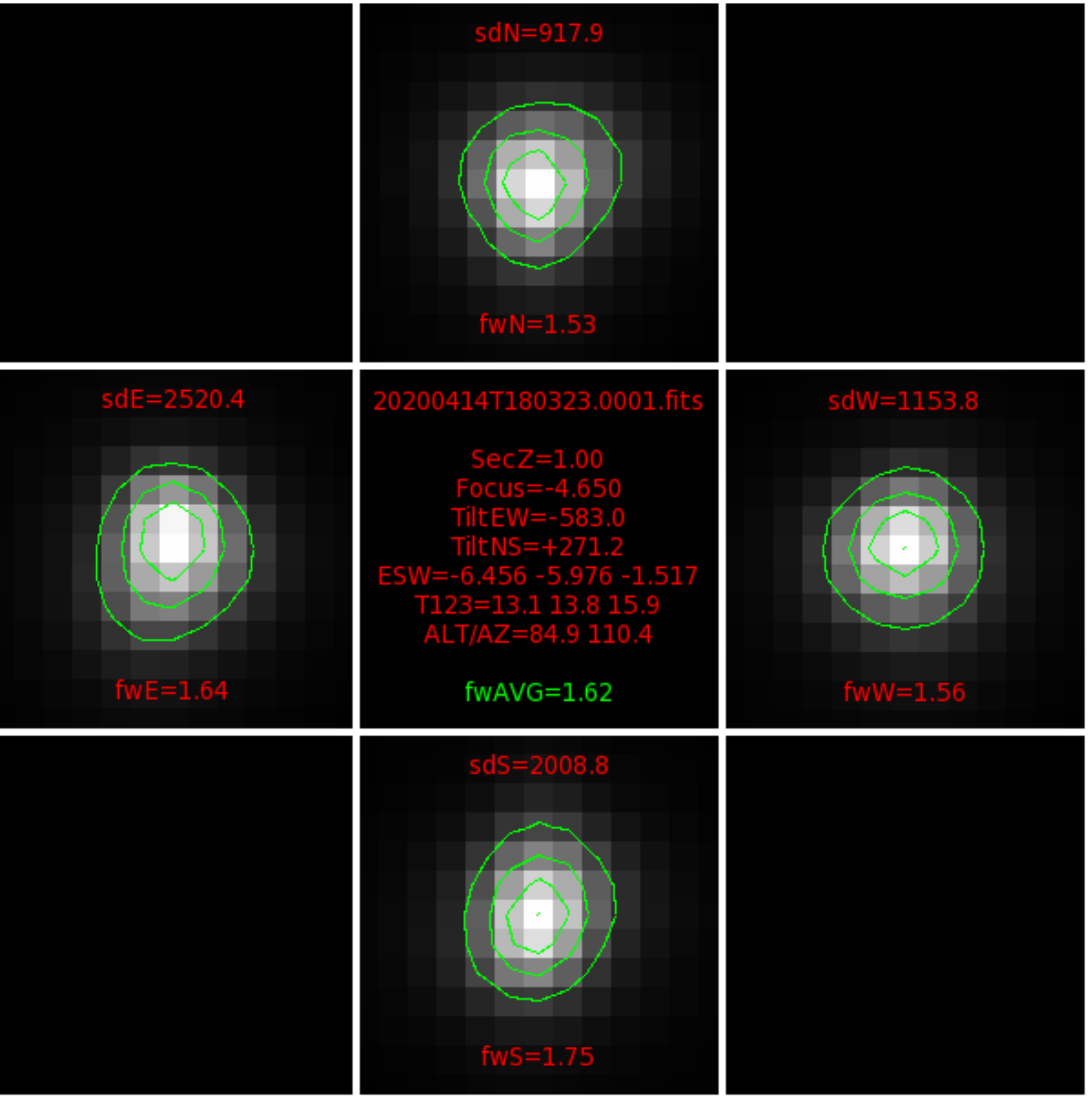
sdN=917.9
fwN=1.53
sdE=2520.4
fwE=1.64
20200414T180323.0001.fits
SecZ=1.00
Focus=-4.650
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.456 -5.976 -1.517
T123=13.1 13.8 15.9
ALT/AZ=84.9 110.4
fwAVG=1.62
sdW=1153.8
fwW=1.56
sdS=2008.8
fwS=1.75
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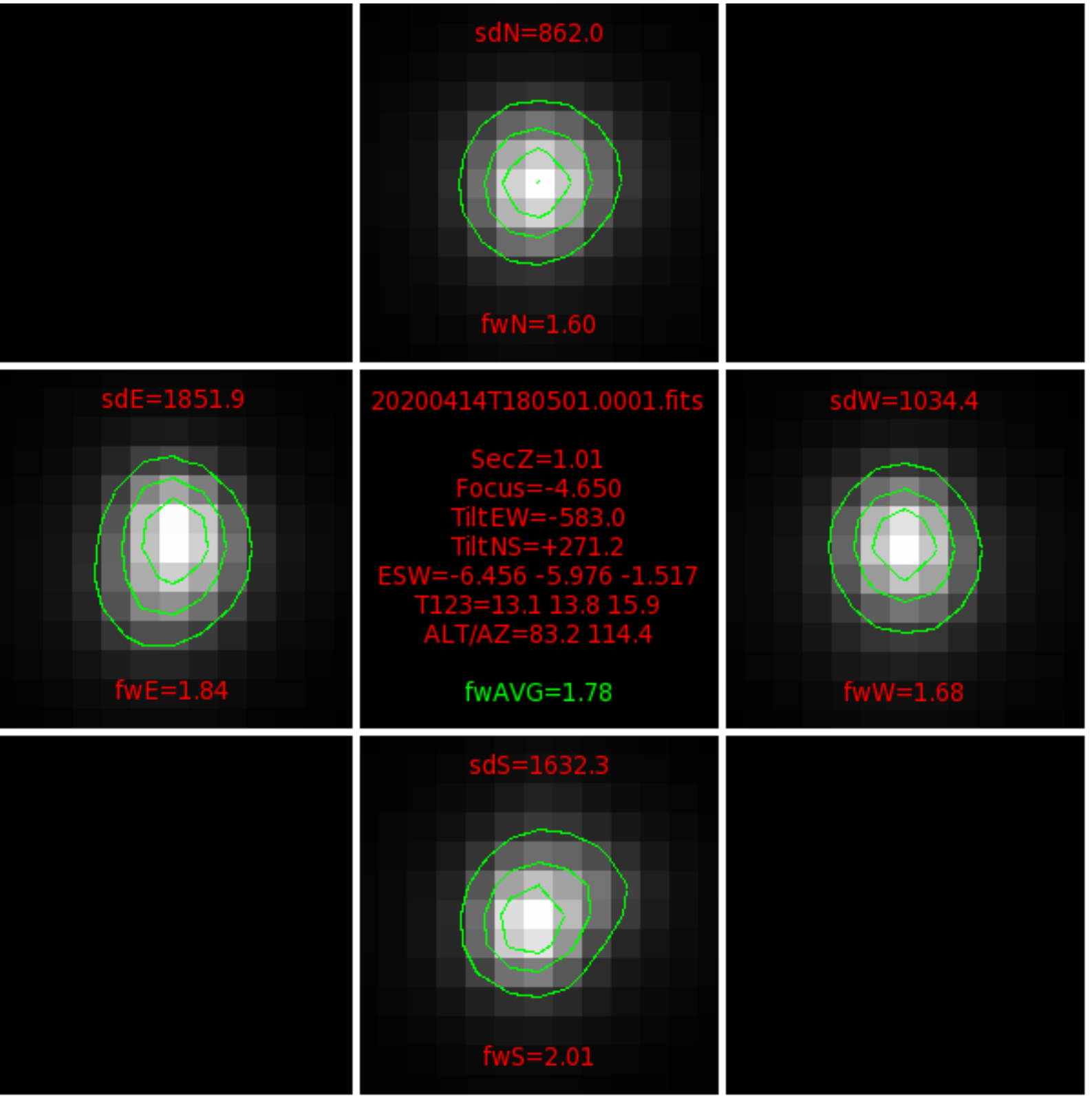
sdN=862.0
fwN=1.60
sdE=1851.9
fwE=1.84
20200414T180501.0001.fits
SecZ=1.01
Focus=-4.650
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.456 -5.976 -1.517
T123=13.1 13.8 15.9
ALT/AZ=83.2 114.4
fwAVG=1.78
sdW=1034.4
fwW=1.68
sdS=1632.3
fwS=2.01
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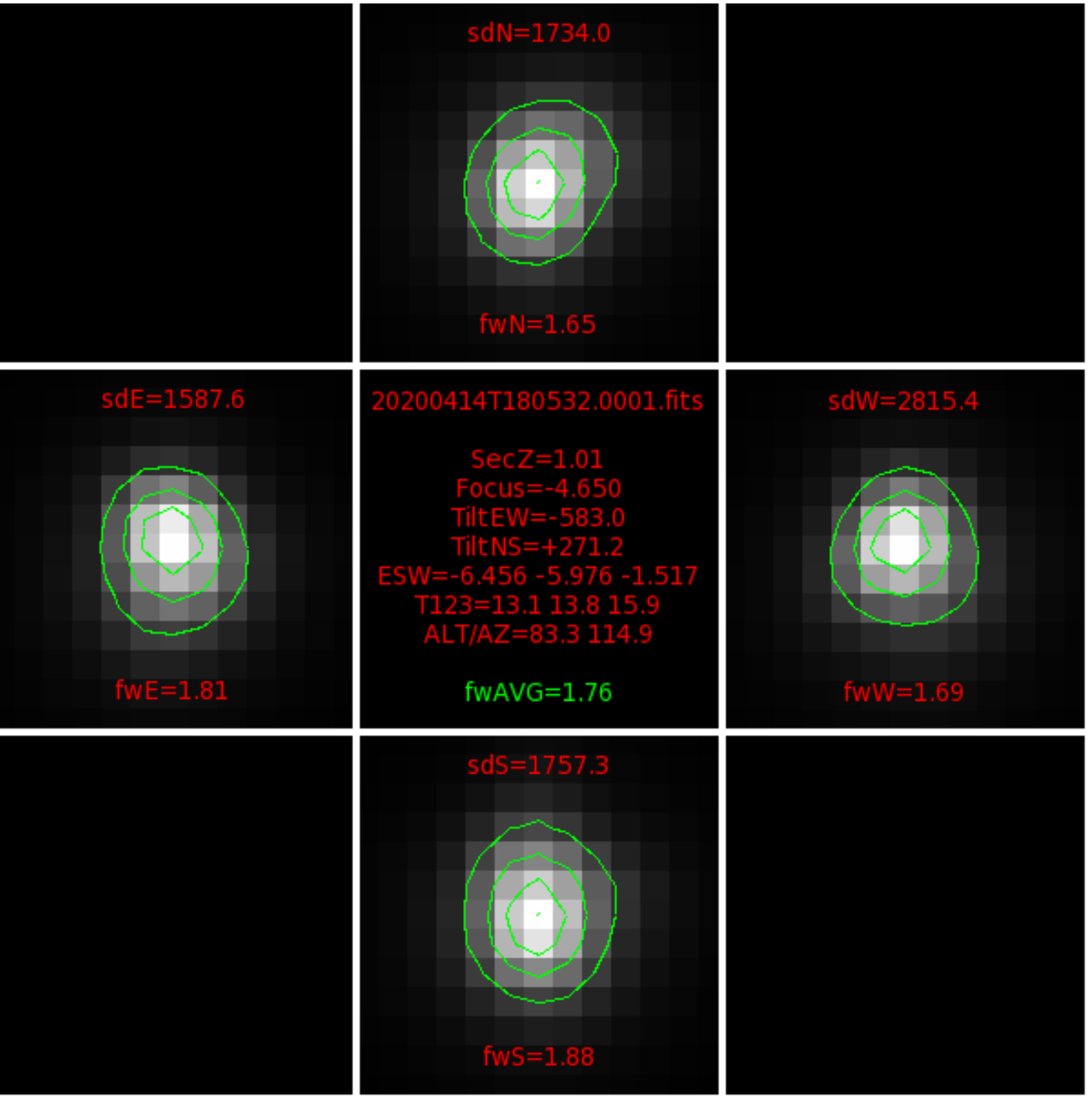
sdN=1734.0
fwN=1.65
sdE=1587.6
fwE=1.81
20200414T180532.0001.fits
SecZ=1.01
Focus=-4.650
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.456 -5.976 -1.517
T123=13.1 13.8 15.9
ALT/AZ=83.3 114.9
fwAVG=1.76
sdW=2815.4
fwW=1.69
sdS=1757.3
fwS=1.88
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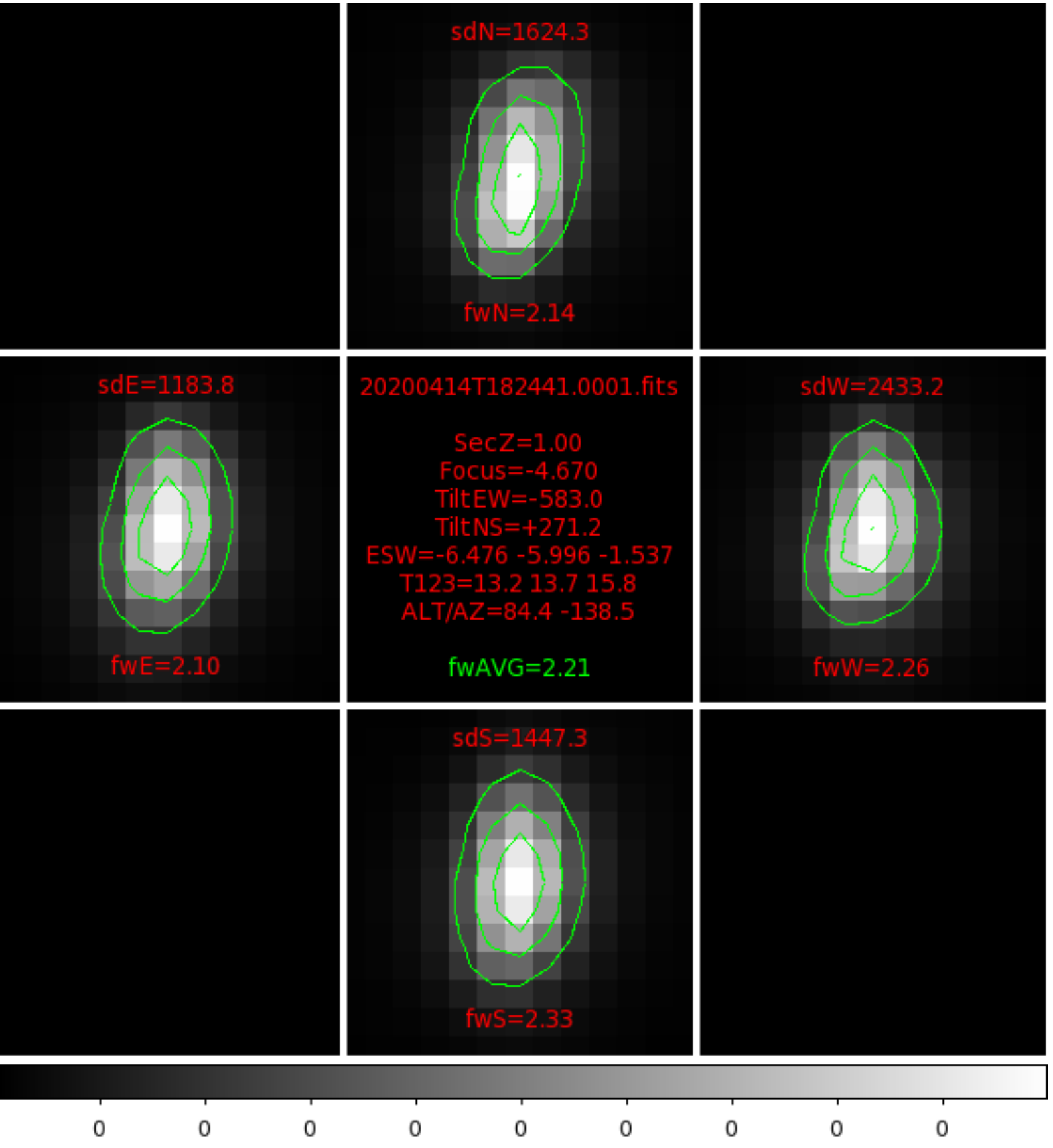
sdN=1624.3
fwN=2.14
sdE=1183.8
fwE=2.10
20200414T182441.0001.fits
SecZ=1.00
Focus=-4.670
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.476 -5.996 -1.537
T123=13.2 13.7 15.8
ALT/AZ=84.4 -138.5
fwAVG=2.21
sdW=2433.2
fwW=2.26
sdS=1447.3
fwS=2.33
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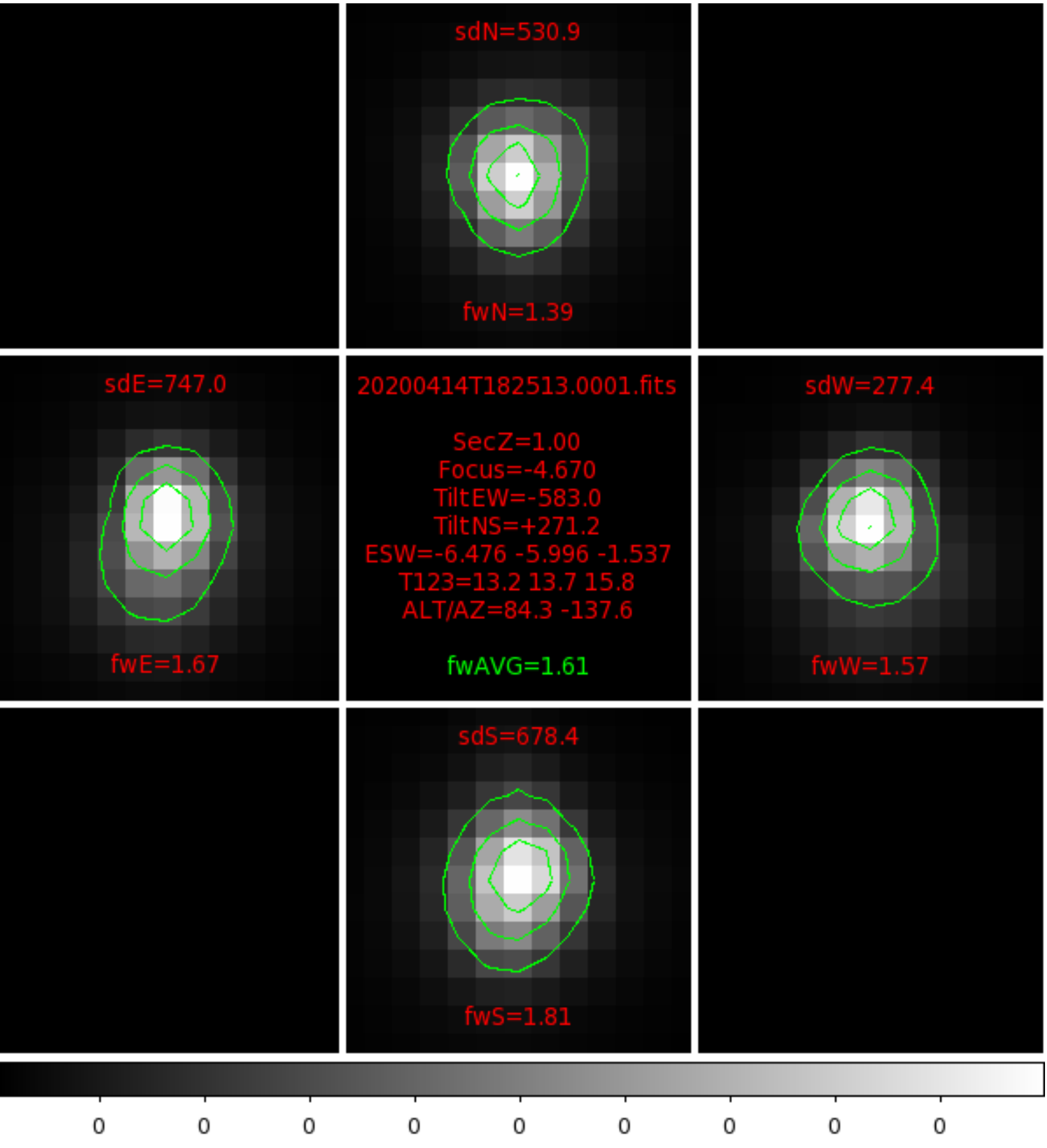
sdN=530.9
fwN=1.39
sdE=747.0
fwE=1.67
20200414T182513.0001.fits
SecZ=1.00
Focus=-4.670
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.476 -5.996 -1.537
T123=13.2 13.7 15.8
ALT/AZ=84.3 -137.6
fwAVG=1.61
sdW=277.4
fwW=1.57
sdS=678.4
fwS=1.81
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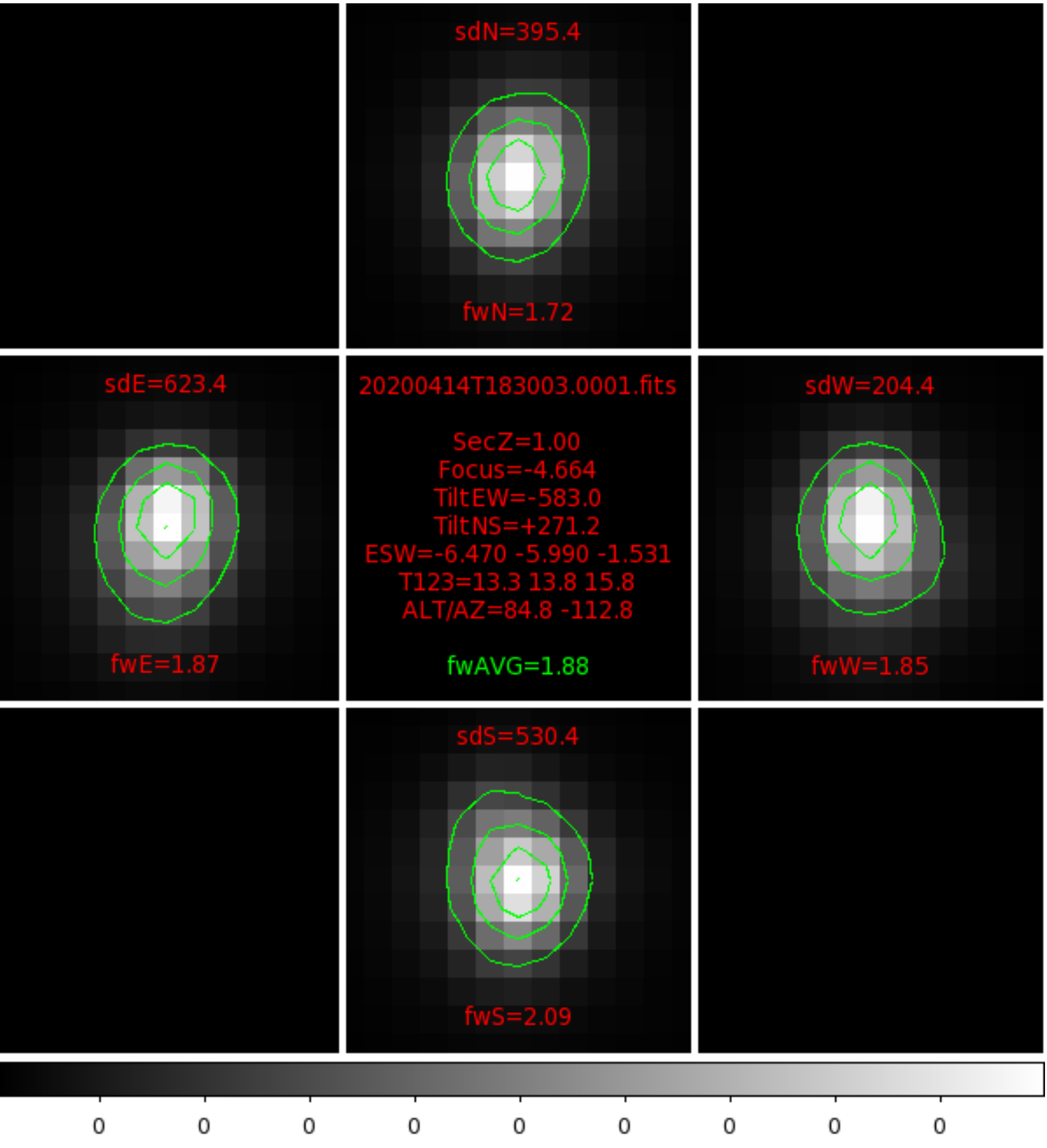
sdN=395.4
fwN=1.72
sdE=623.4
fwE=1.87
20200414T183003.0001.fits
SecZ=1.00
Focus=-4.664
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.470 -5.990 -1.531
T123=13.3 13.8 15.8
ALT/AZ=84.8 -112.8
fwAVG=1.88
sdW=204.4
fwW=1.85
sdS=530.4
fwS=2.09
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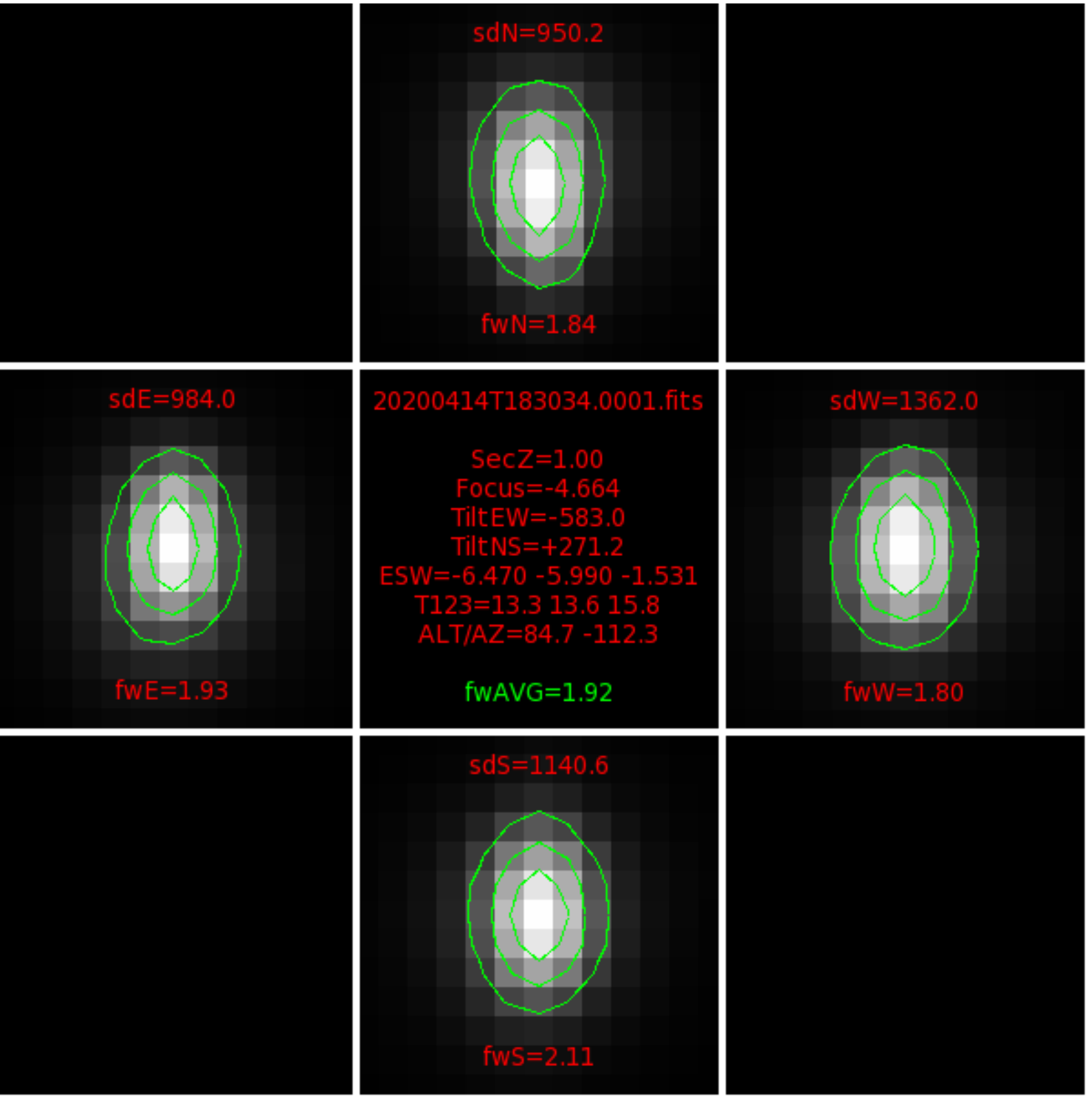
sdN=950.2
fwN=1.84
sdE=984.0
fwE=1.93
20200414T183034.0001.fits
SecZ=1.00
Focus=-4.664
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.470 -5.990 -1.531
T123=13.3 13.6 15.8
ALT/AZ=84.7 -112.3
fwAVG=1.92
sdW=1362.0
fwW=1.80
sdS=1140.6
fwS=2.11
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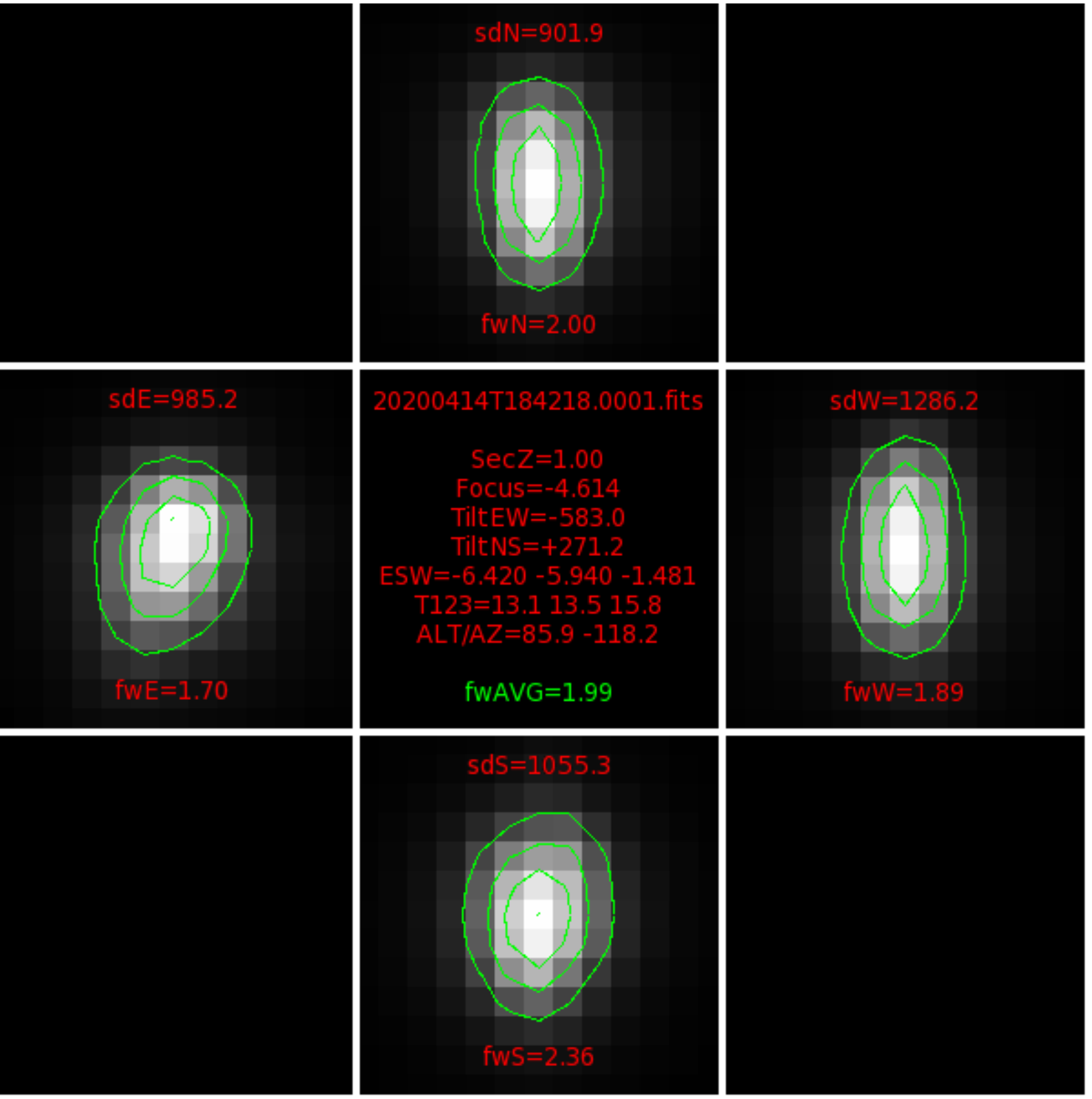
sdN=901.9
fwN=2.00
sdE=985.2
fwE=1.70
20200414T184218.0001.fits
SecZ=1.00
Focus=-4.614
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.420 -5.940 -1.481
T123=13.1 13.5 15.8
ALT/AZ=85.9 -118.2
fwAVG=1.99
sdW=1286.2
fwW=1.89
sdS=1055.3
fwS=2.36
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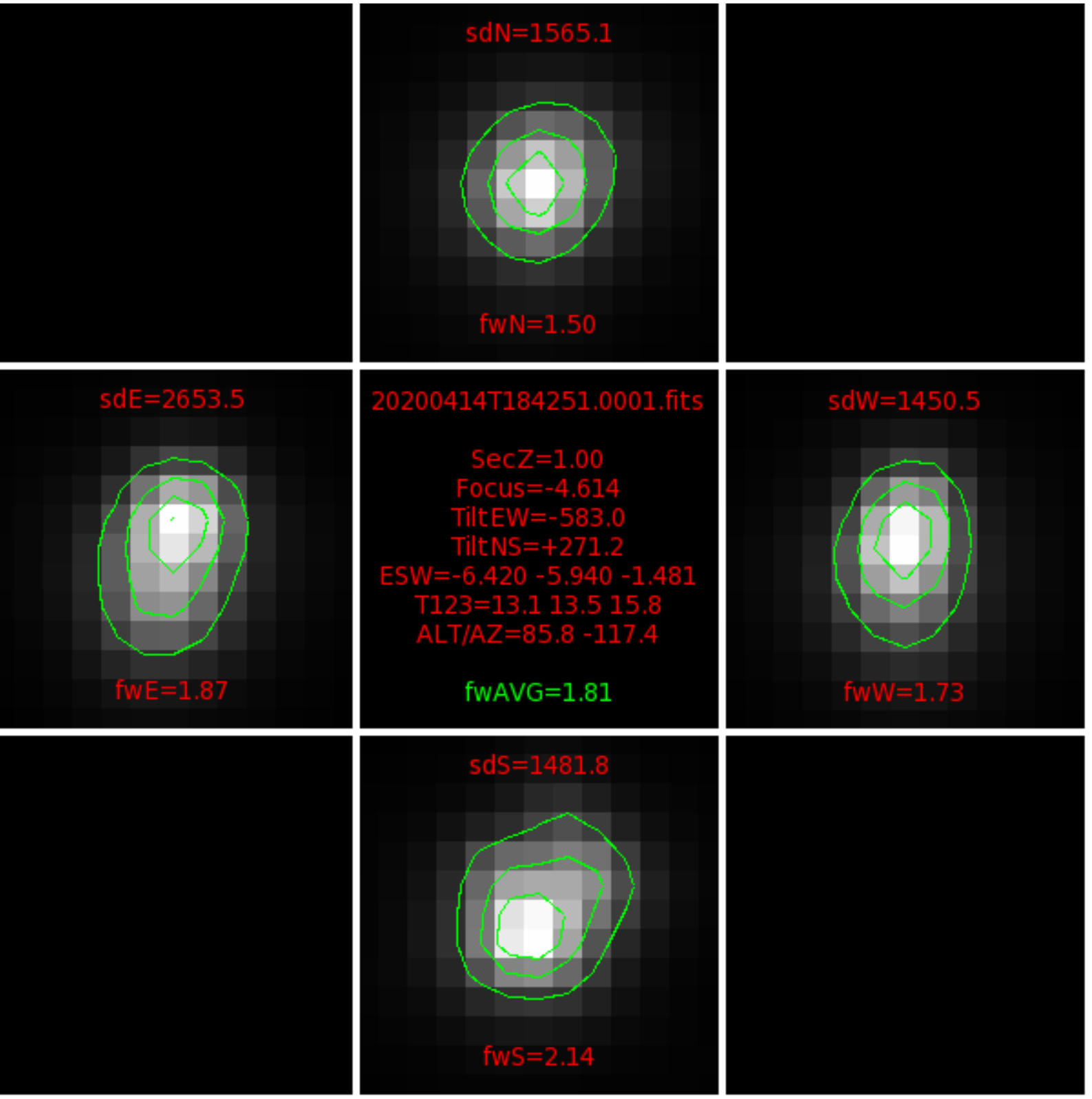
sdN=1565.1
fwN=1.50
sdE=2653.5
fwE=1.87
20200414T184251.0001.fits
SecZ=1.00
Focus=-4.614
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.420 -5.940 -1.481
T123=13.1 13.5 15.8
ALT/AZ=85.8 -117.4
fwAVG=1.81
sdW=1450.5
fwW=1.73
sdS=1481.8
fwS=2.14
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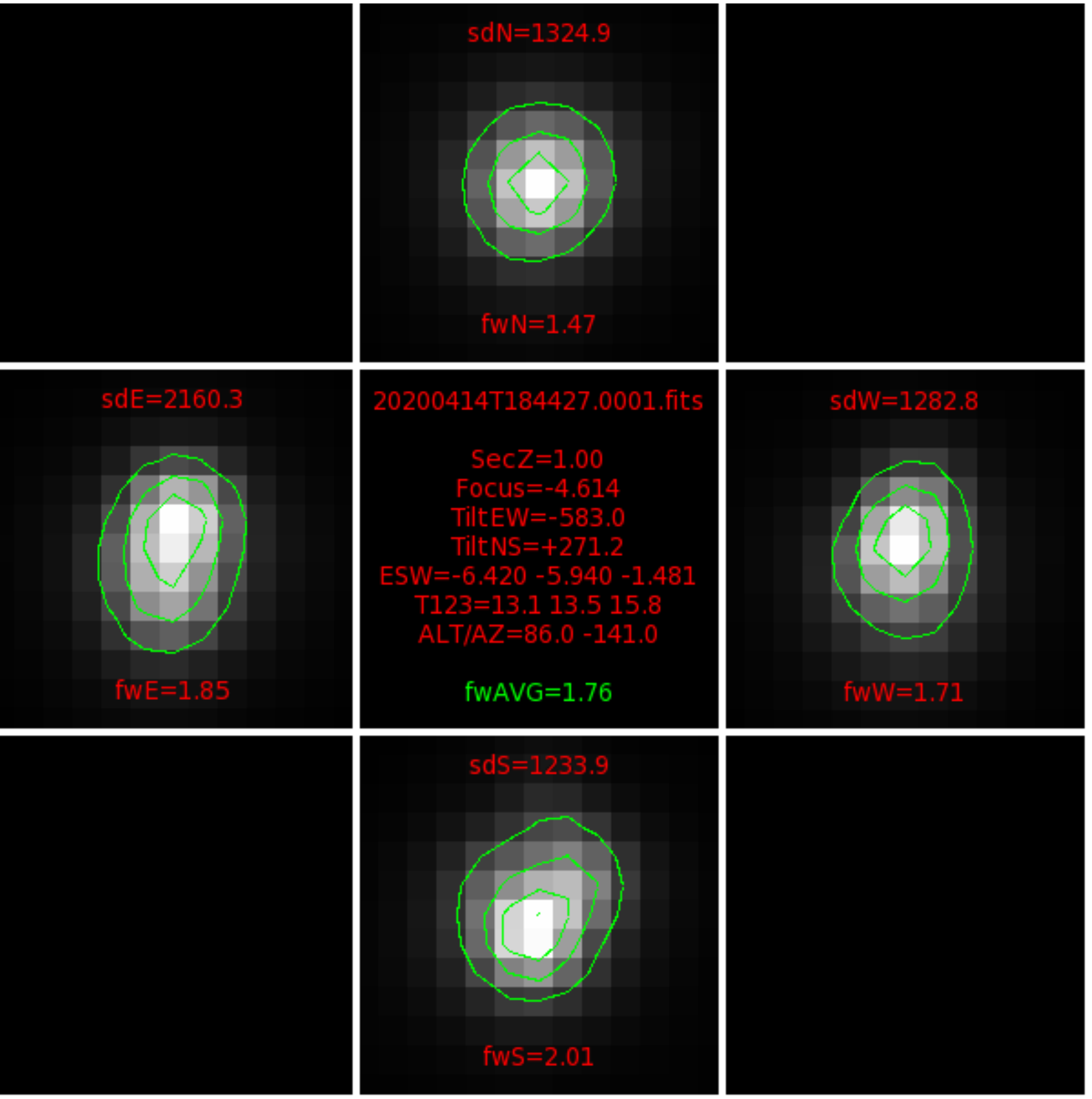
sdN=1324.9
fwN=1.47
sdE=2160.3
fwE=1.85
20200414T184427.0001.fits
SecZ=1.00
Focus=-4.614
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.420 -5.940 -1.481
T123=13.1 13.5 15.8
ALT/AZ=86.0 -141.0
fwAVG=1.76
sdW=1282.8
fwW=1.71
sdS=1233.9
fwS=2.01
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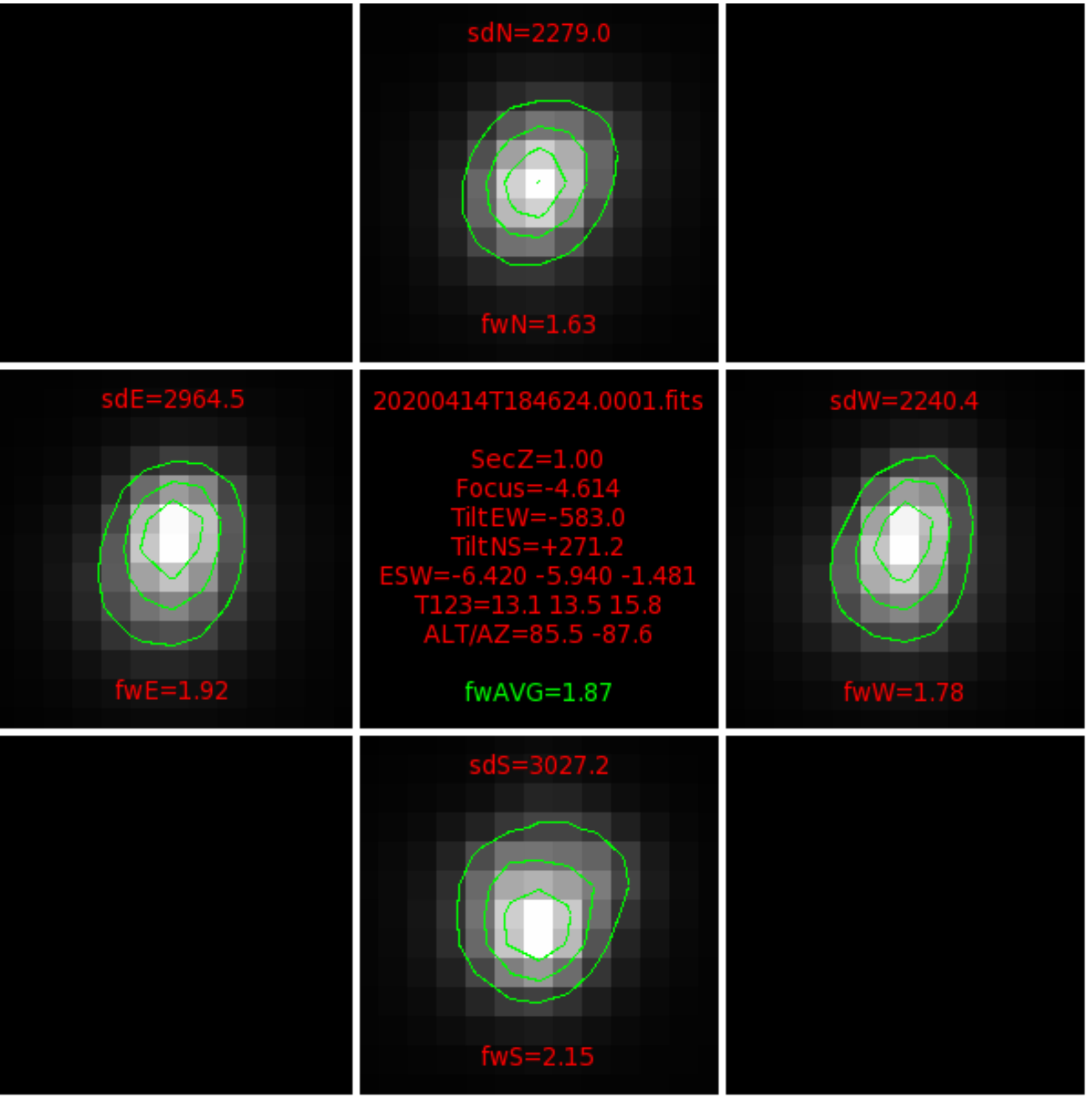
sdN=2279.0
fwN=1.63
sdE=2964.5
fwE=1.92
20200414T184624.0001.fits
SecZ=1.00
Focus=-4.614
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.420 -5.940 -1.481
T123=13.1 13.5 15.8
ALT/AZ=85.5 -87.6
fwAVG=1.87
sdW=2240.4
fwW=1.78
sdS=3027.2
fwS=2.15
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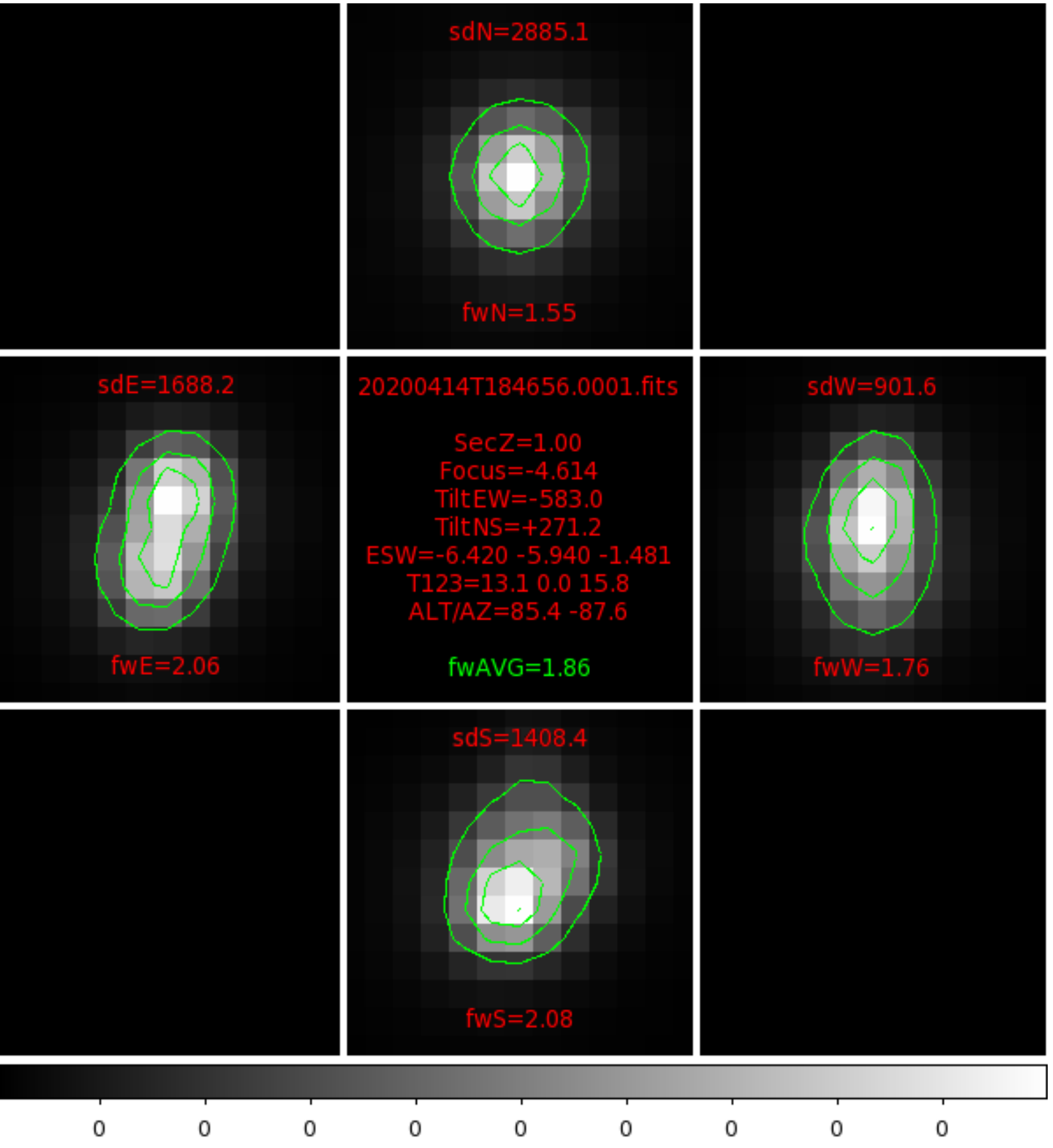
sdN=2885.1
fwN=1.55
sdE=1688.2
fwE=2.06
20200414T184656.0001.fits
SecZ=1.00
Focus=-4.614
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.420 -5.940 -1.481
T123=13.1 0.0 15.8
ALT/AZ=85.4 -87.6
fwAVG=1.86
sdW=901.6
fwW=1.76
sdS=1408.4
fwS=2.08
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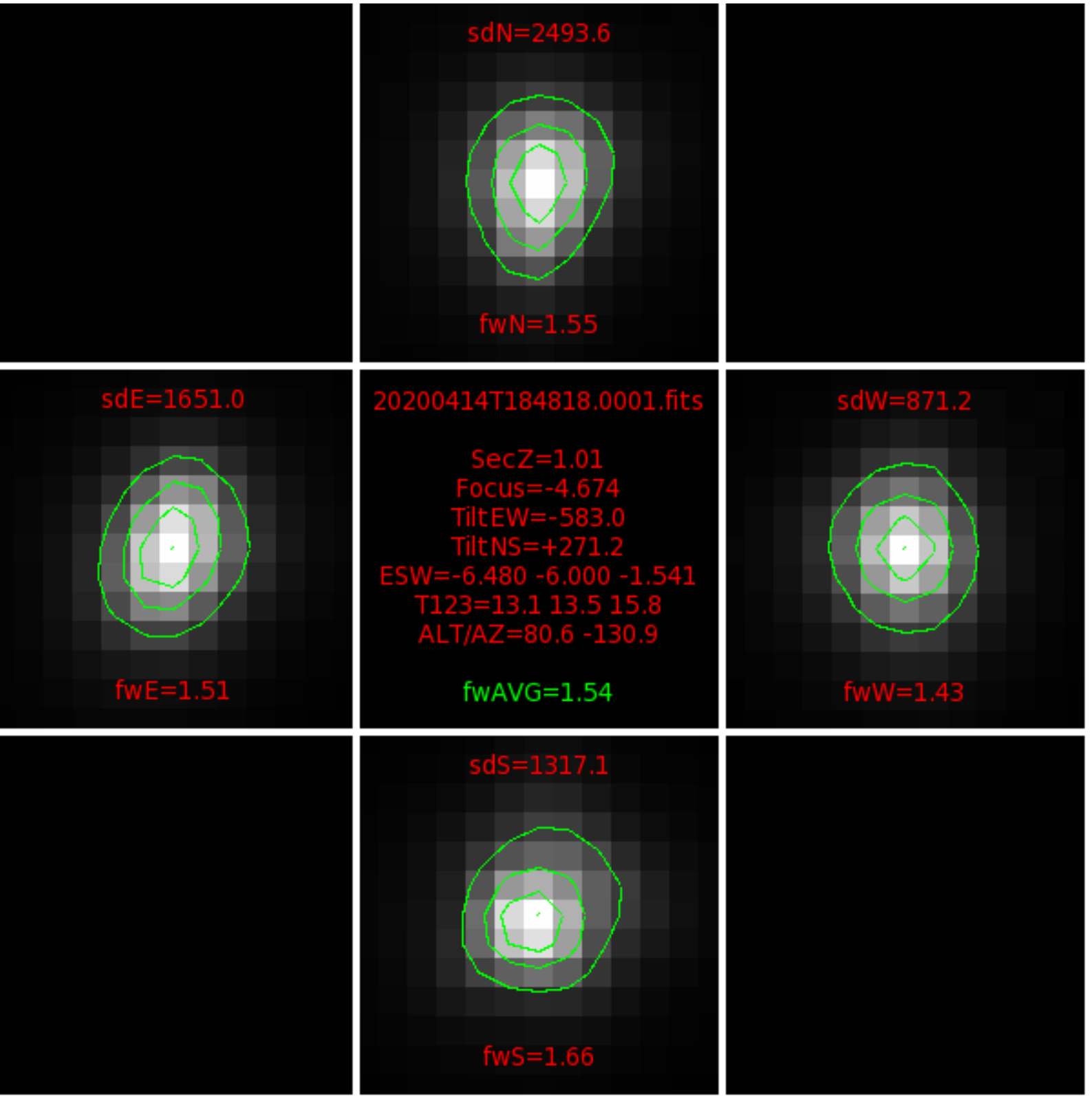
sdN=2493.6
fwN=1.55
sdE=1651.0
fwE=1.51
20200414T184818.0001.fits
SecZ=1.01
Focus=-4.674
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.480 -6.000 -1.541
T123=13.1 13.5 15.8
ALT/AZ=80.6 -130.9
fwAVG=1.54
sdW=871.2
fwW=1.43
sdS=1317.1
fwS=1.66
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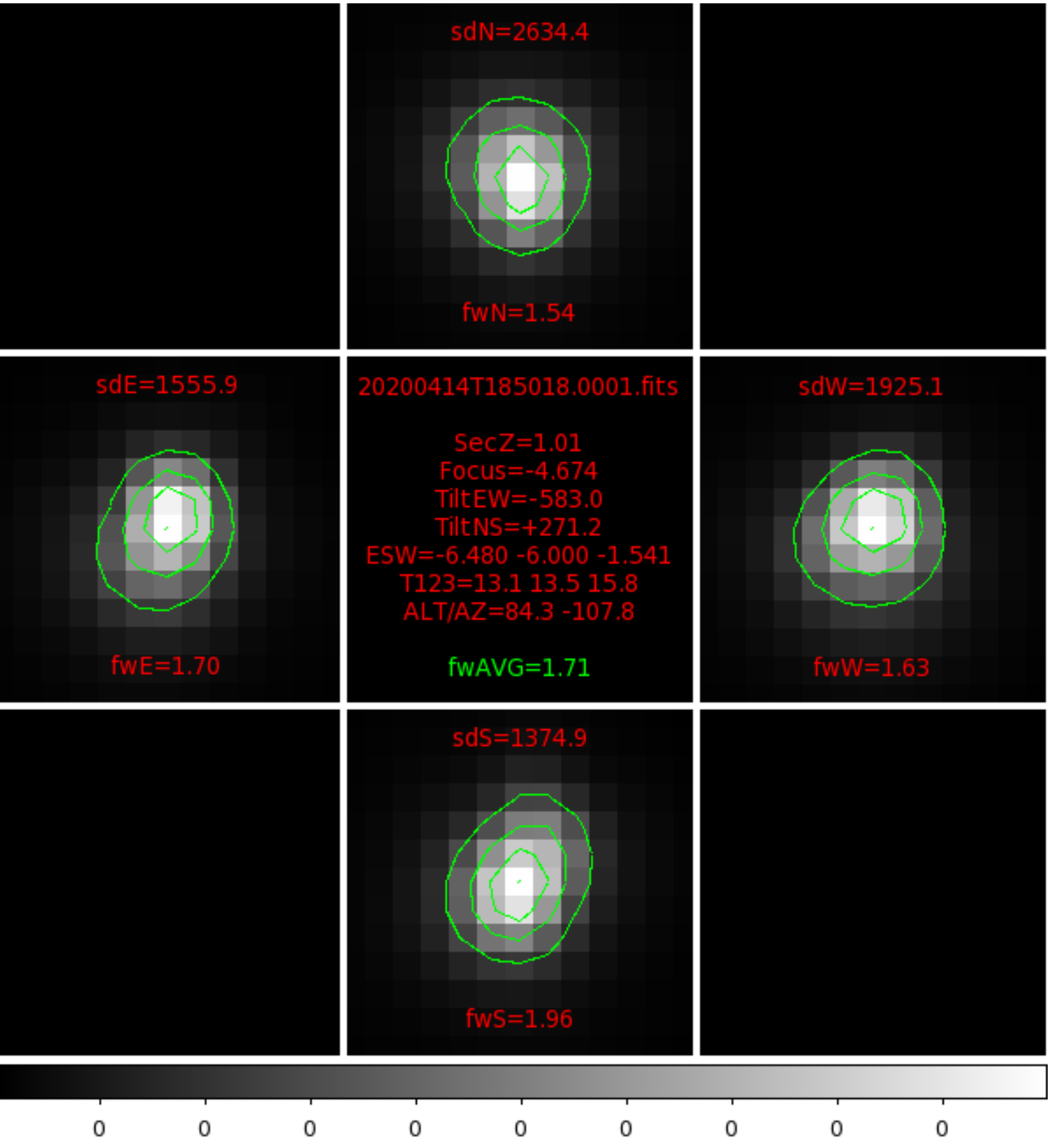
sdN=2634.4
fwN=1.54
sdE=1555.9
fwE=1.70
20200414T185018.0001.fits
SecZ=1.01
Focus=-4.674
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.480 -6.000 -1.541
T123=13.1 13.5 15.8
ALT/AZ=84.3 -107.8
fwAVG=1.71
sdW=1925.1
fwW=1.63
sdS=1374.9
fwS=1.96
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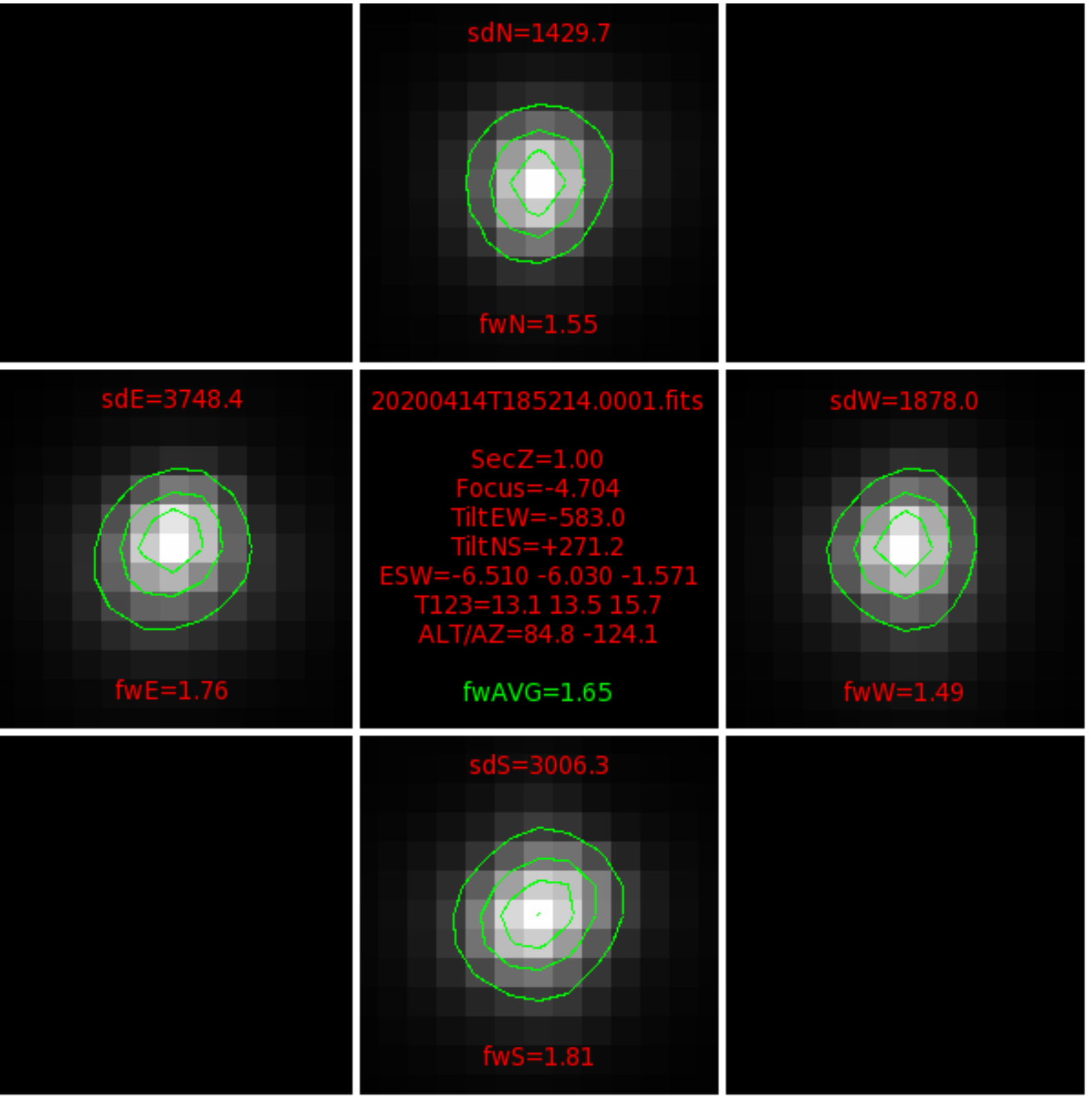
sdN=1429.7
fwN=1.55
sdE=3748.4
fwE=1.76
20200414T185214.0001.fits
SecZ=1.00
Focus=-4.704
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.510 -6.030 -1.571
T123=13.1 13.5 15.7
ALT/AZ=84.8 -124.1
fwAVG=1.65
sdW=1878.0
fwW=1.49
sdS=3006.3
fwS=1.81
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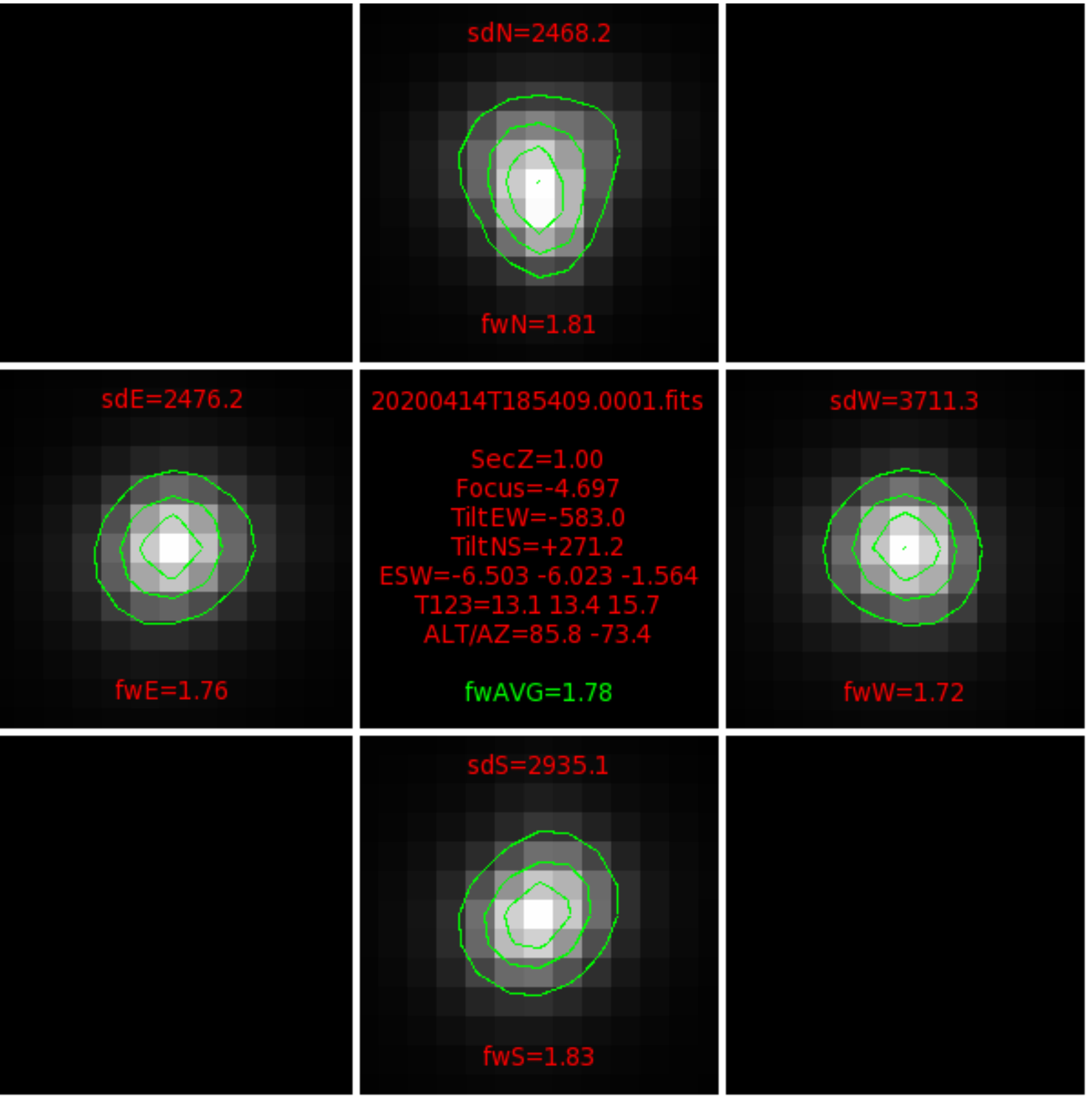
sdN=2468.2
fwN=1.81
sdE=2476.2
fwE=1.76
20200414T185409.0001.fits
SecZ=1.00
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.1 13.4 15.7
ALT/AZ=85.8 -73.4
fwAVG=1.78
sdW=3711.3
fwW=1.72
sdS=2935.1
fwS=1.83
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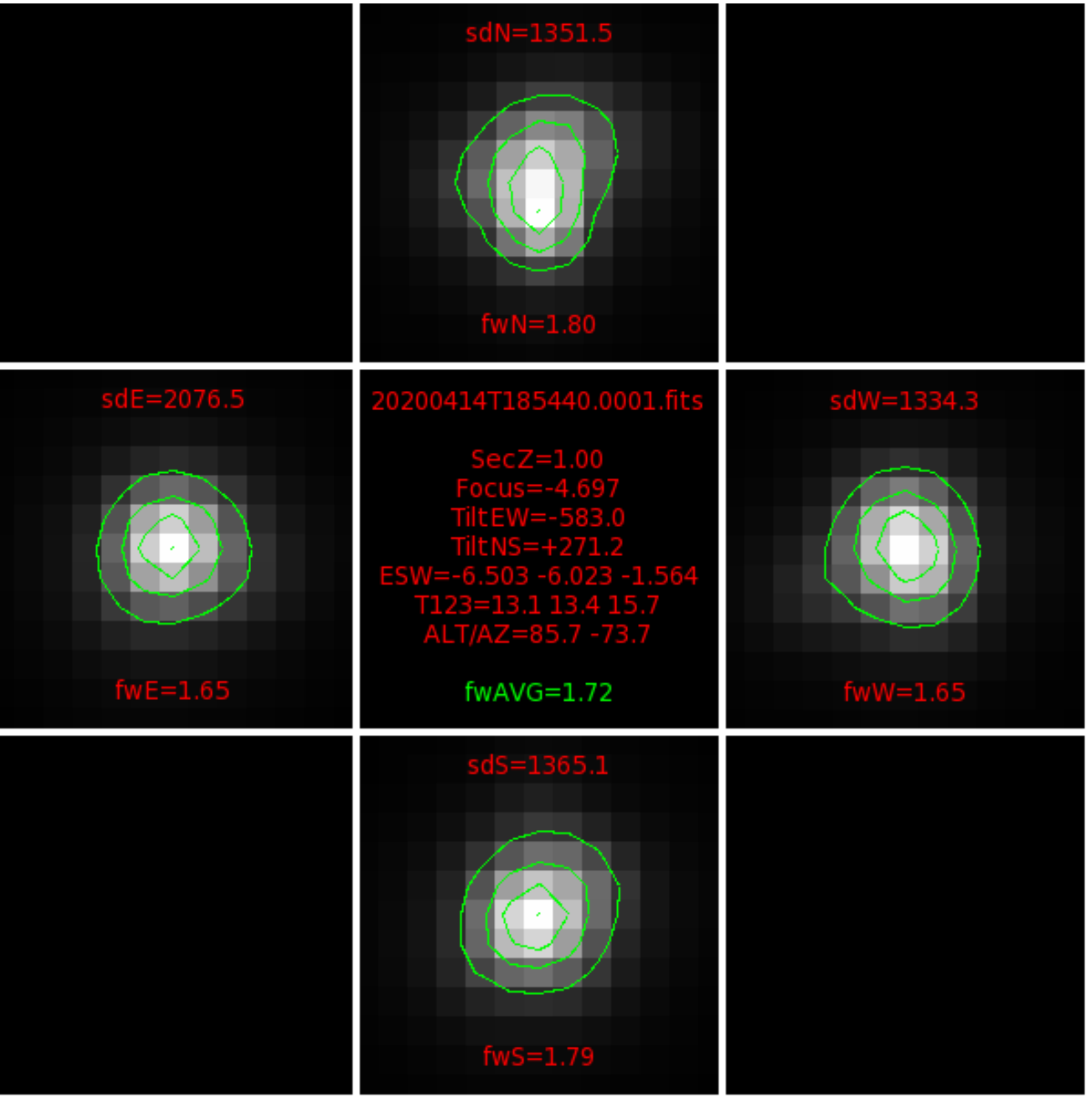
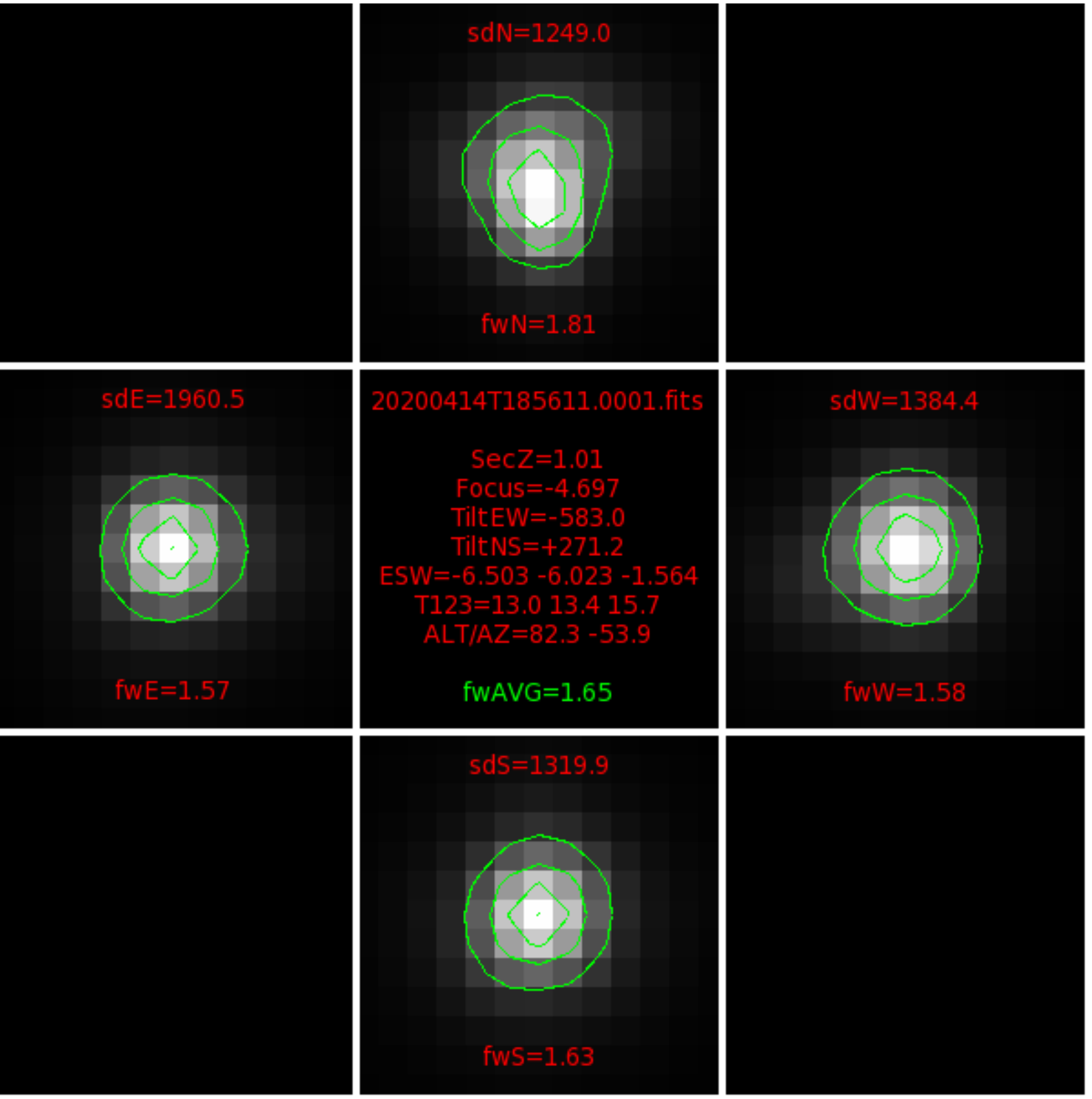

sdN=1351.5
fwN=1.80
sdE=2076.5
fwE=1.65
20200414T185440.0001.fits
SecZ=1.00
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.1 13.4 15.7
ALT/AZ=85.7 -73.7
fwAVG=1.72
sdW=1334.3
fwW=1.65
sdS=1365.1
fwS=1.79
0 0 0 0 0 0 0 0 0


sdN=1249.0
fwN=1.81
sdE=1960.5
fwE=1.57
20200414T185611.0001.fits
SecZ=1.01
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.0 13.4 15.7
ALT/AZ=82.3 -53.9
fwAVG=1.65
sdW=1384.4
fwW=1.58
sdS=1319.9
fwS=1.63
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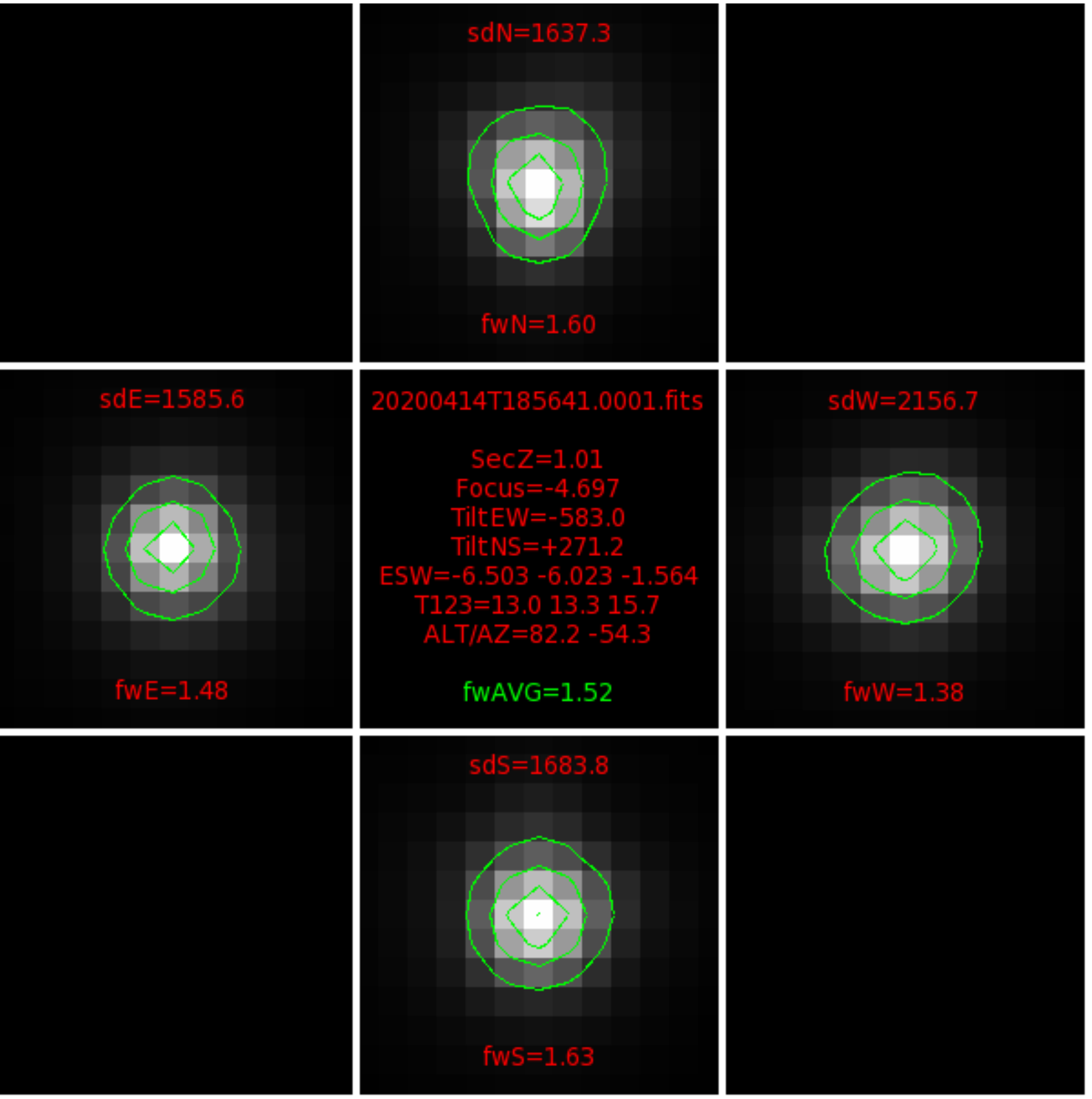
sdN=1637.3
fwN=1.60
sdE=1585.6
fwE=1.48
20200414T185641.0001.fits
SecZ=1.01
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.0 13.3 15.7
ALT/AZ=82.2 -54.3
fwAVG=1.52
sdW=2156.7
fwW=1.38
sdS=1683.8
fwS=1.63
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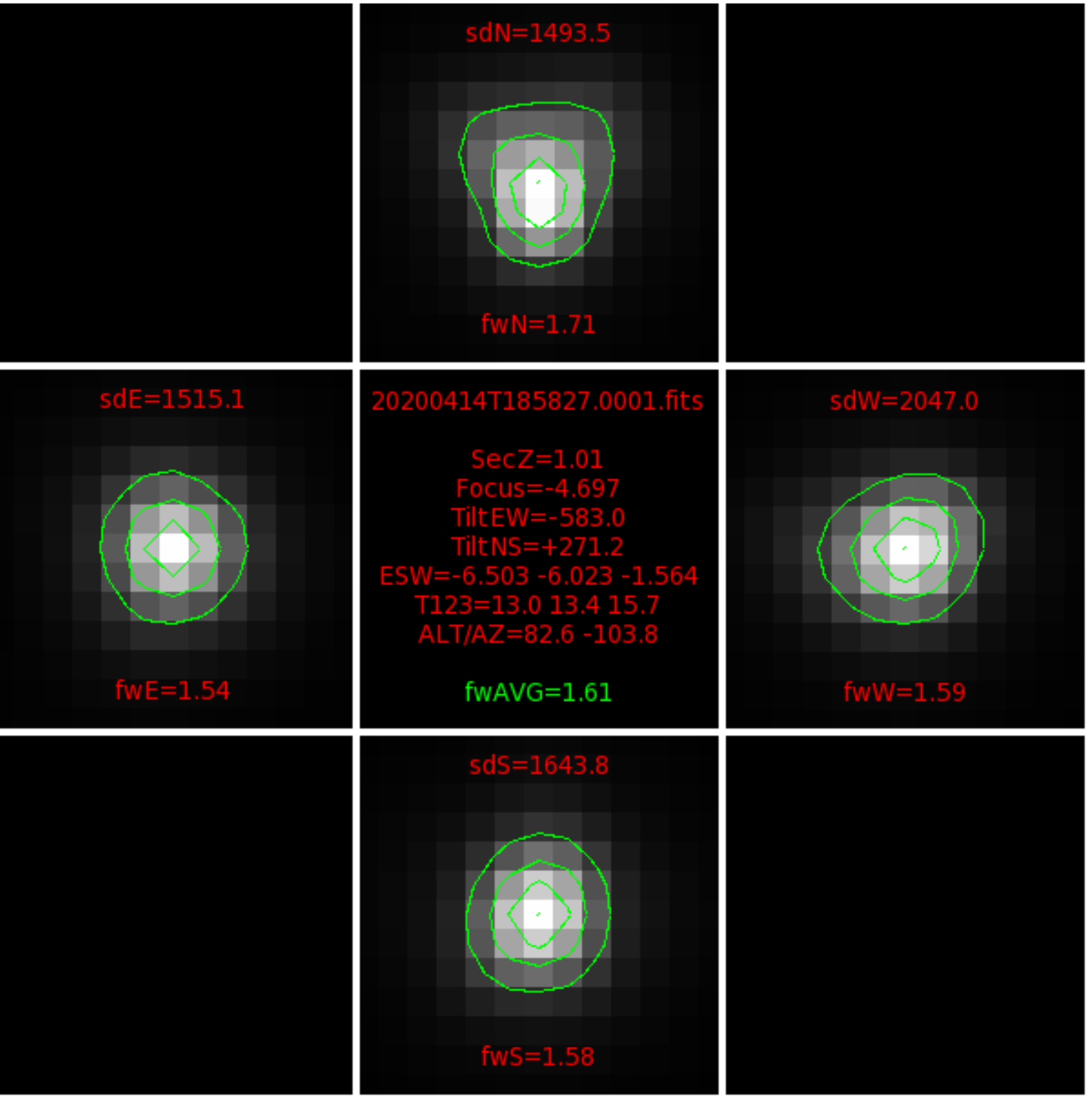
sdN=1493.5
fwN=1.71
sdE=1515.1
fwE=1.54
20200414T185827.0001.fits
SecZ=1.01
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.0 13.4 15.7
ALT/AZ=82.6 -103.8
fwAVG=1.61
sdW=2047.0
fwW=1.59
sdS=1643.8
fwS=1.58
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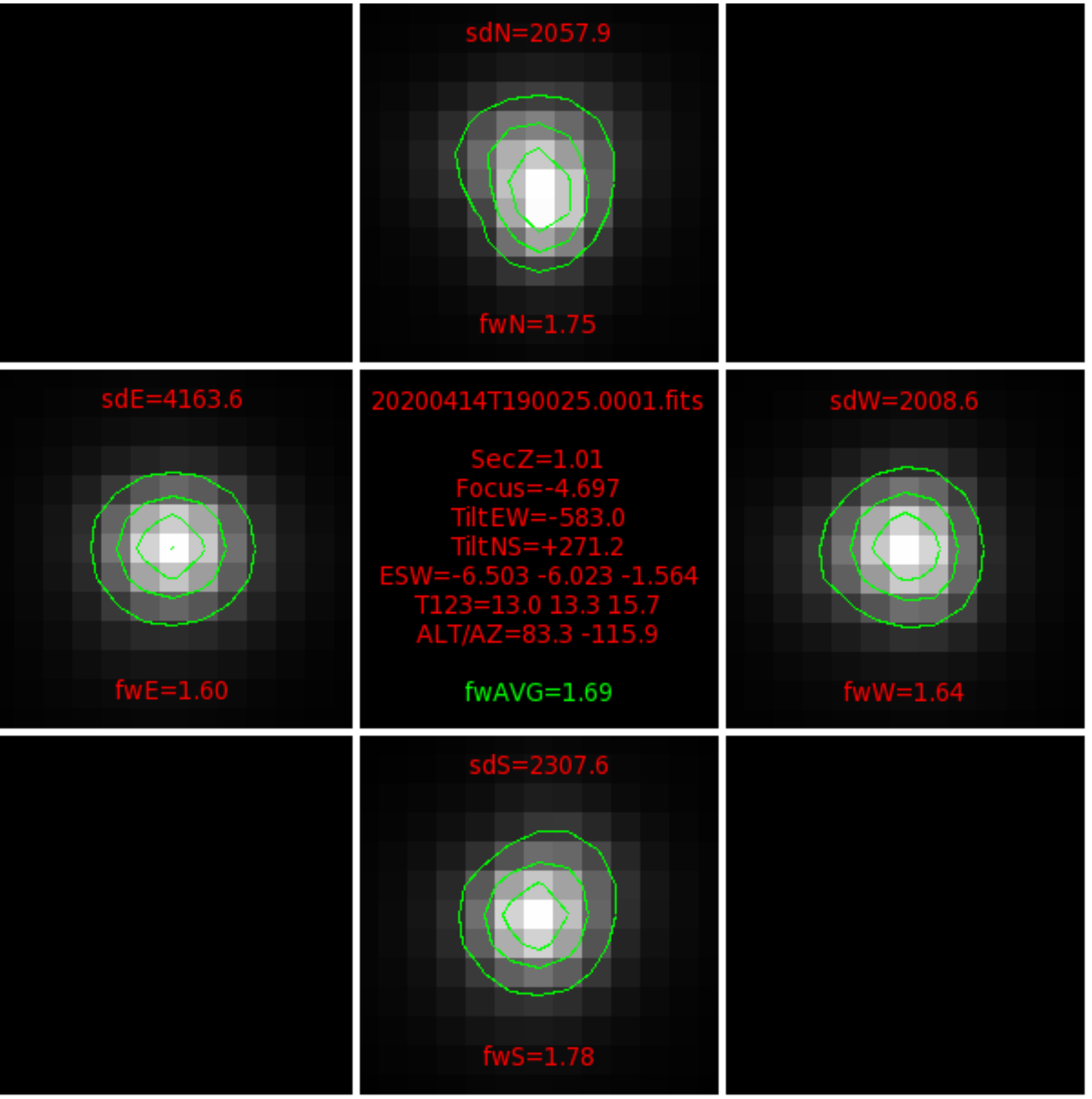
sdN=2057.9
fwN=1.75
sdE=4163.6
fwE=1.60
20200414T190025.0001.fits
SecZ=1.01
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.0 13.3 15.7
ALT/AZ=83.3 -115.9
fwAVG=1.69
sdW=2008.6
fwW=1.64
sdS=2307.6
fwS=1.78
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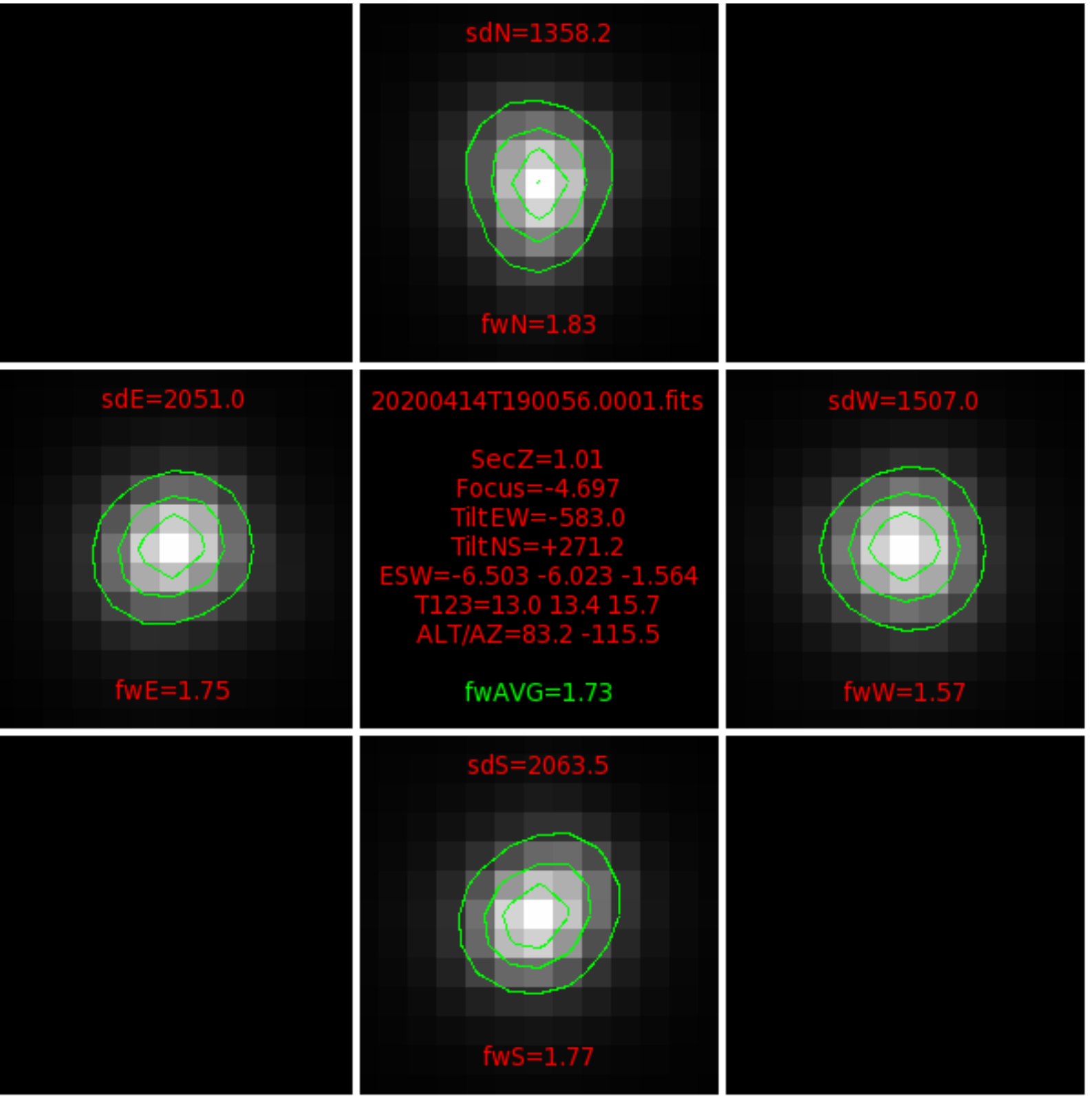
sdN=1358.2
fwN=1.83
sdE=2051.0
fwE=1.75
20200414T190056.0001.fits
SecZ=1.01
Focus=-4.697
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.503 -6.023 -1.564
T123=13.0 13.4 15.7
ALT/AZ=83.2 -115.5
fwAVG=1.73
sdW=1507.0
fwW=1.57
sdS=2063.5
fwS=1.77
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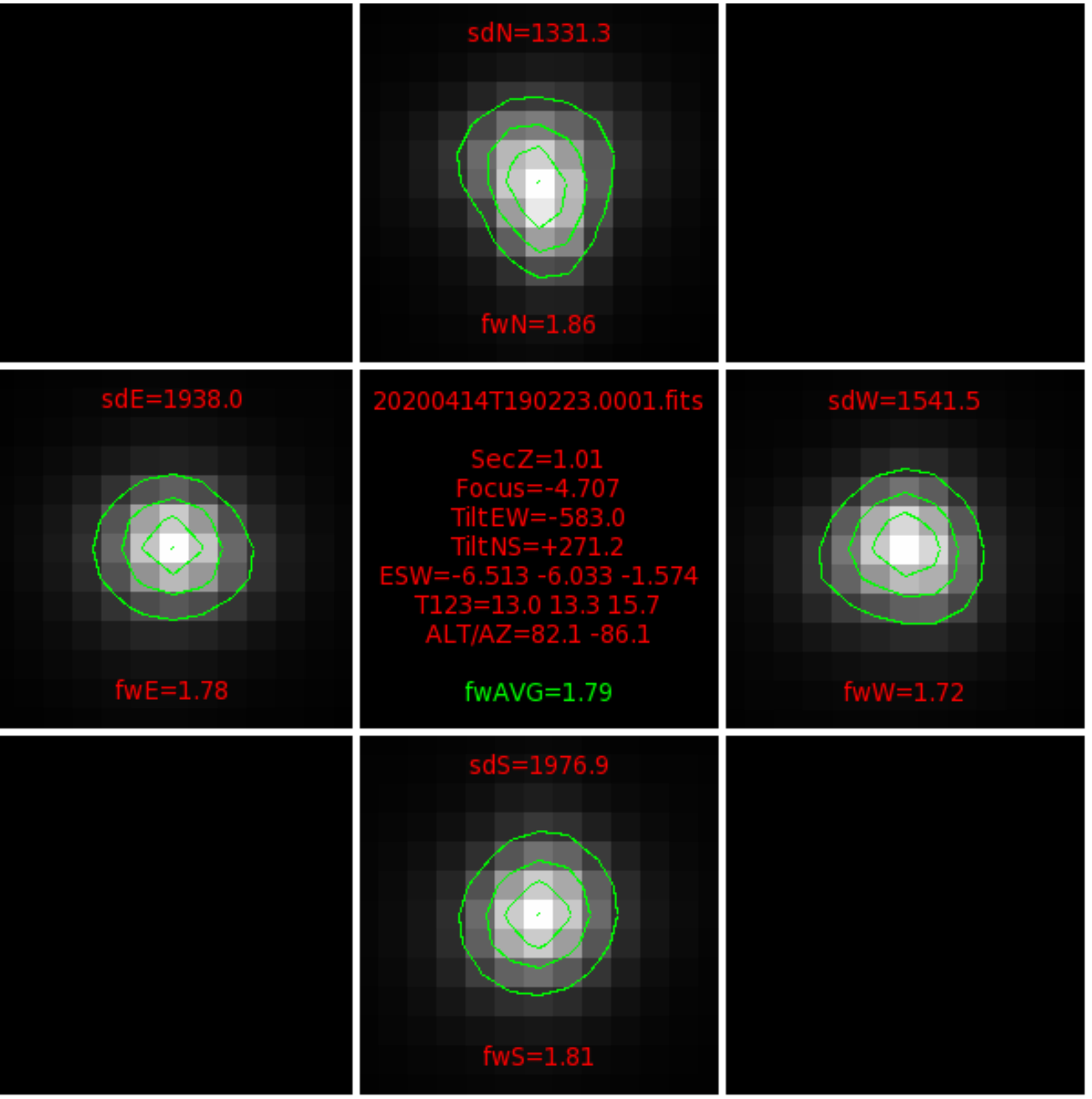
sdN=1331.3
fwN=1.86
sdE=1938.0
fwE=1.78
20200414T190223.0001.fits
SecZ=1.01
Focus=-4.707
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.513 -6.033 -1.574
T123=13.0 13.3 15.7
ALT/AZ=82.1 -86.1
fwAVG=1.79
sdW=1541.5
fwW=1.72
sdS=1976.9
fwS=1.81
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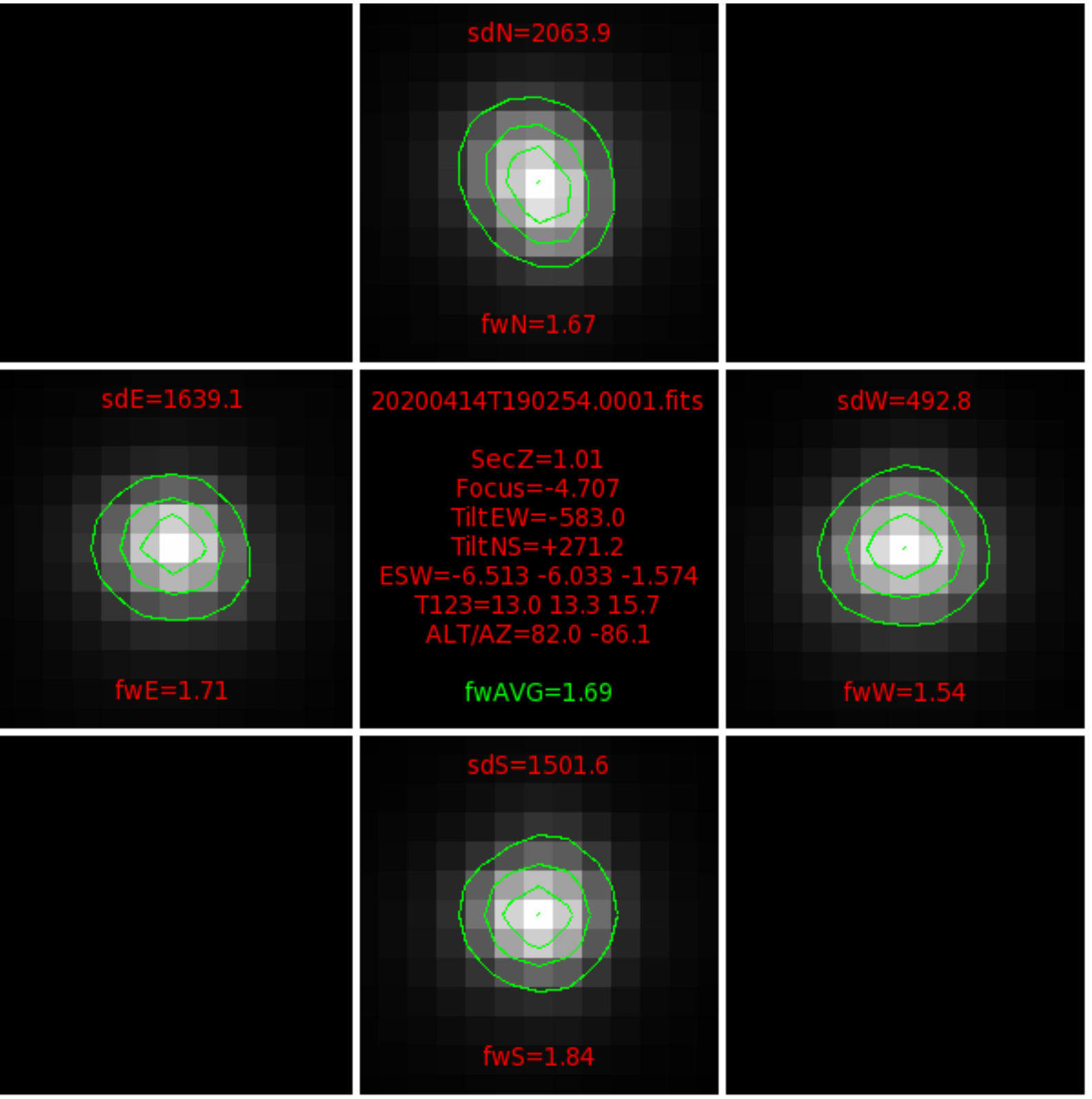
sdN=2063.9
fwN=1.67
sdE=1639.1
fwE=1.71
20200414T190254.0001.fits
SecZ=1.01
Focus=-4.707
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.513 -6.033 -1.574
T123=13.0 13.3 15.7
ALT/AZ=82.0 -86.1
fwAVG=1.69
sdW=492.8
fwW=1.54
sdS=1501.6
fwS=1.84
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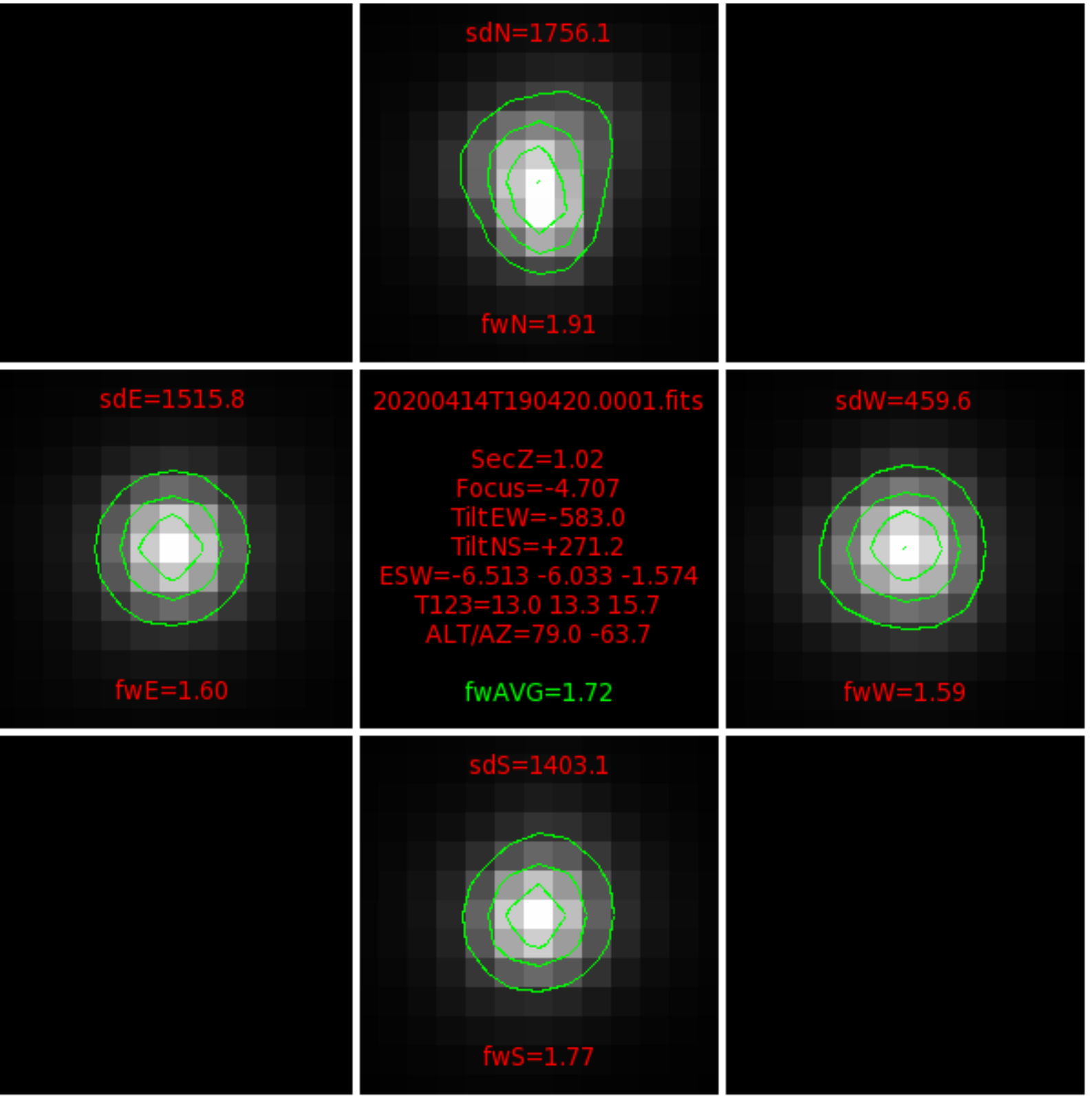
sdN=1756.1
fwN=1.91
sdE=1515.8
fwE=1.60
20200414T190420.0001.fits
SecZ=1.02
Focus=-4.707
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.513 -6.033 -1.574
T123=13.0 13.3 15.7
ALT/AZ=79.0 -63.7
fwAVG=1.72
sdW=459.6
fwW=1.59
sdS=1403.1
fwS=1.77
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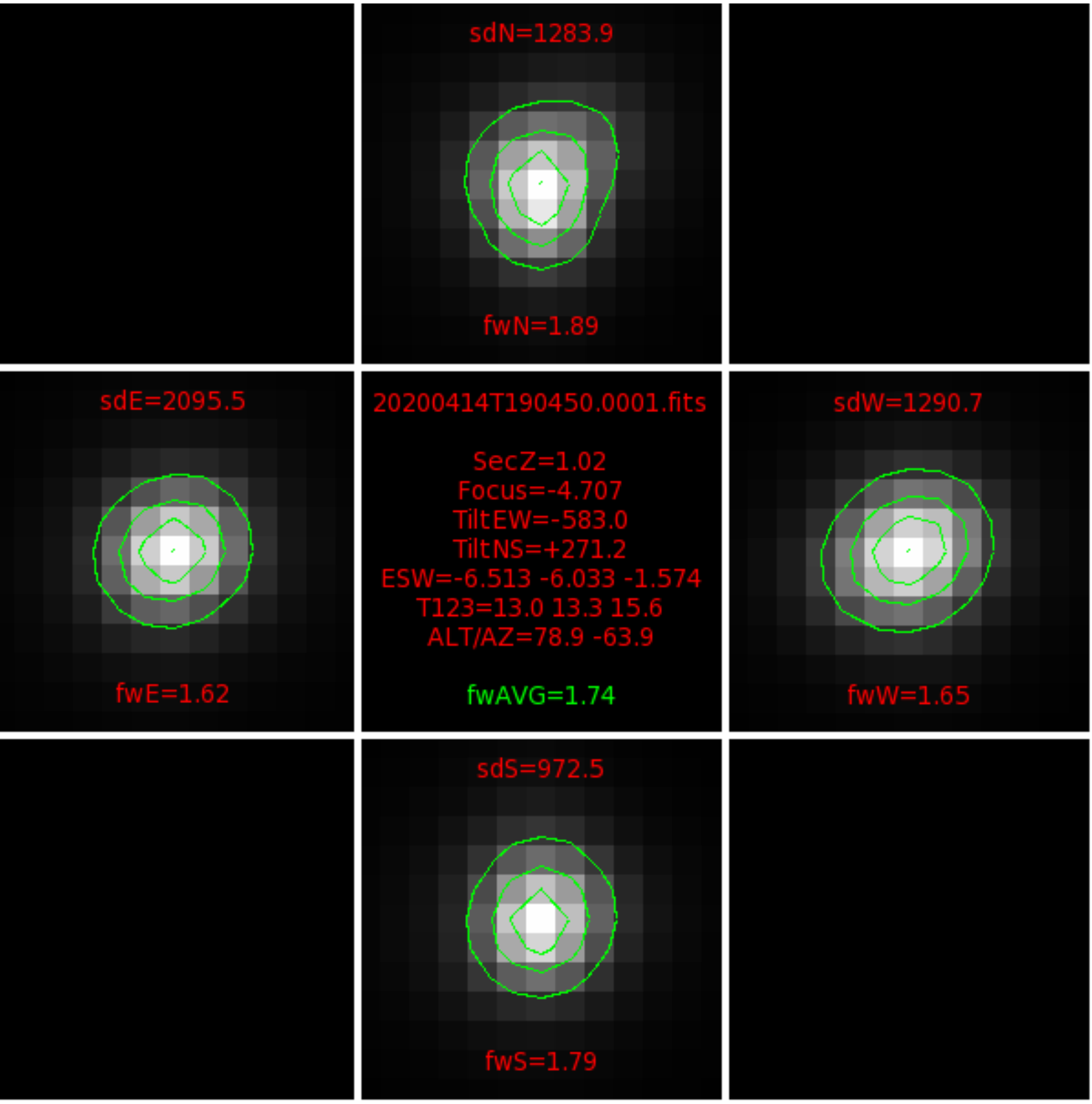
sdN=1283.9
fwN=1.89
sdE=2095.5
fwE=1.62
20200414T190450.0001.fits
SecZ=1.02
Focus=-4.707
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.513 -6.033 -1.574
T123=13.0 13.3 15.6
ALT/AZ=78.9 -63.9
fwAVG=1.74
sdW=1290.7
fwW=1.65
sdS=972.5
fwS=1.79
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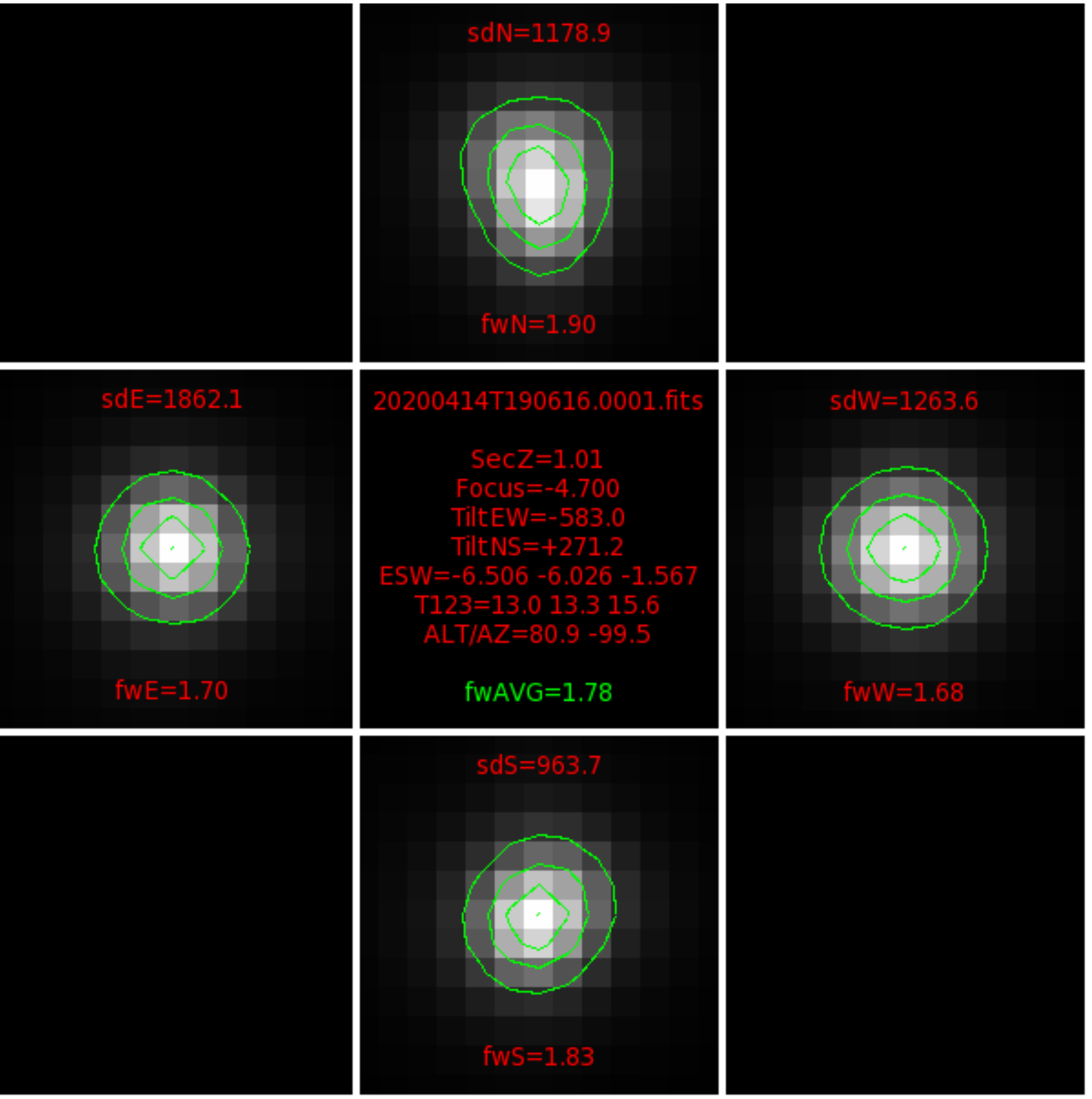
sdN=1178.9
fwN=1.90
sdE=1862.1
fwE=1.70
20200414T190616.0001.fits
SecZ=1.01
Focus=-4.700
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.506 -6.026 -1.567
T123=13.0 13.3 15.6
ALT/AZ=80.9 -99.5
fwAVG=1.78
sdW=1263.6
fwW=1.68
sdS=963.7
fwS=1.83
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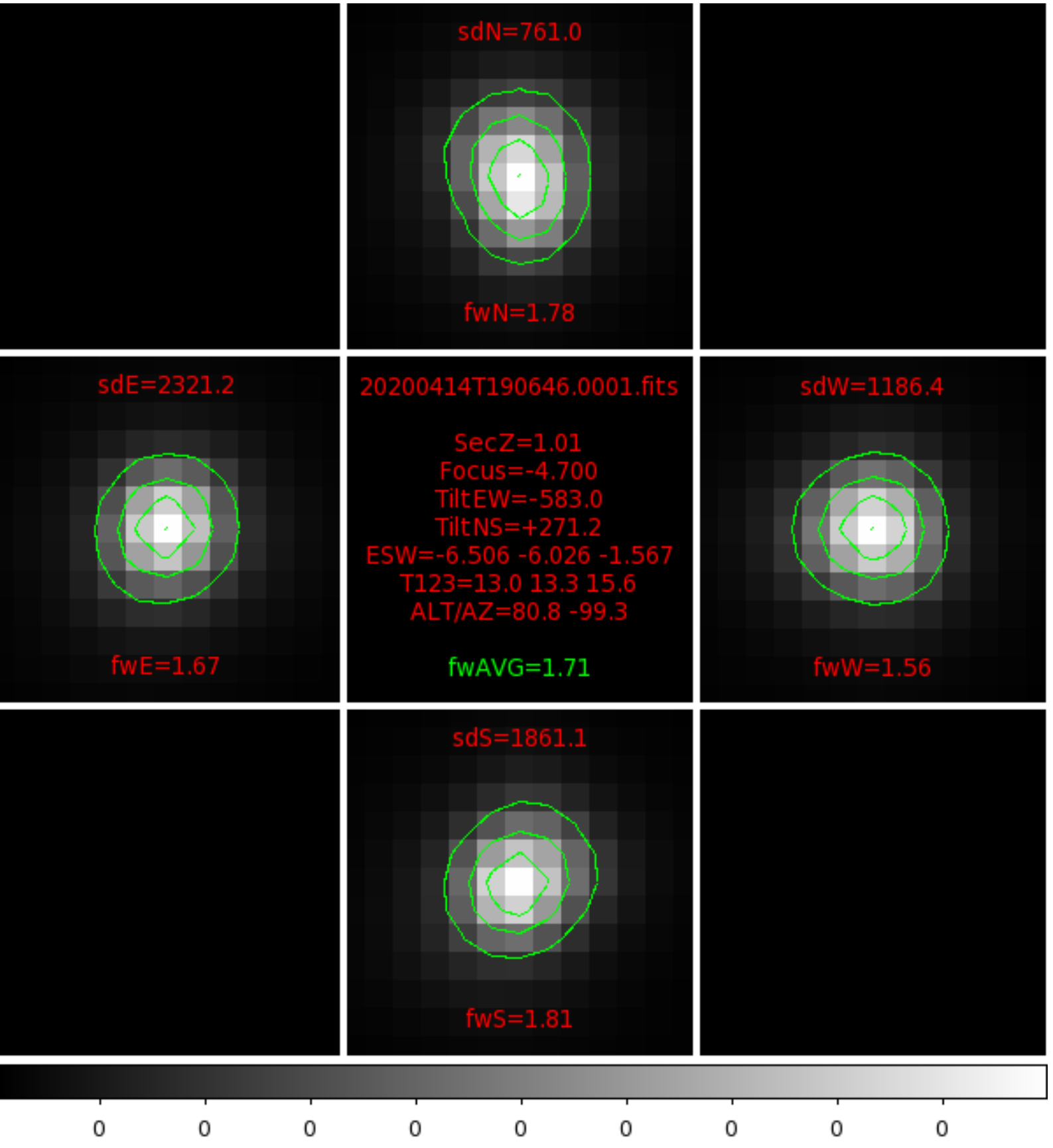
sdN=761.0
fwN=1.78
sdE=2321.2
fwE=1.67
20200414T190646.0001.fits
SecZ=1.01
Focus=-4.700
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.506 -6.026 -1.567
T123=13.0 13.3 15.6
ALT/AZ=80.8 -99.3
fwAVG=1.71
sdW=1186.4
fwW=1.56
sdS=1861.1
fwS=1.81
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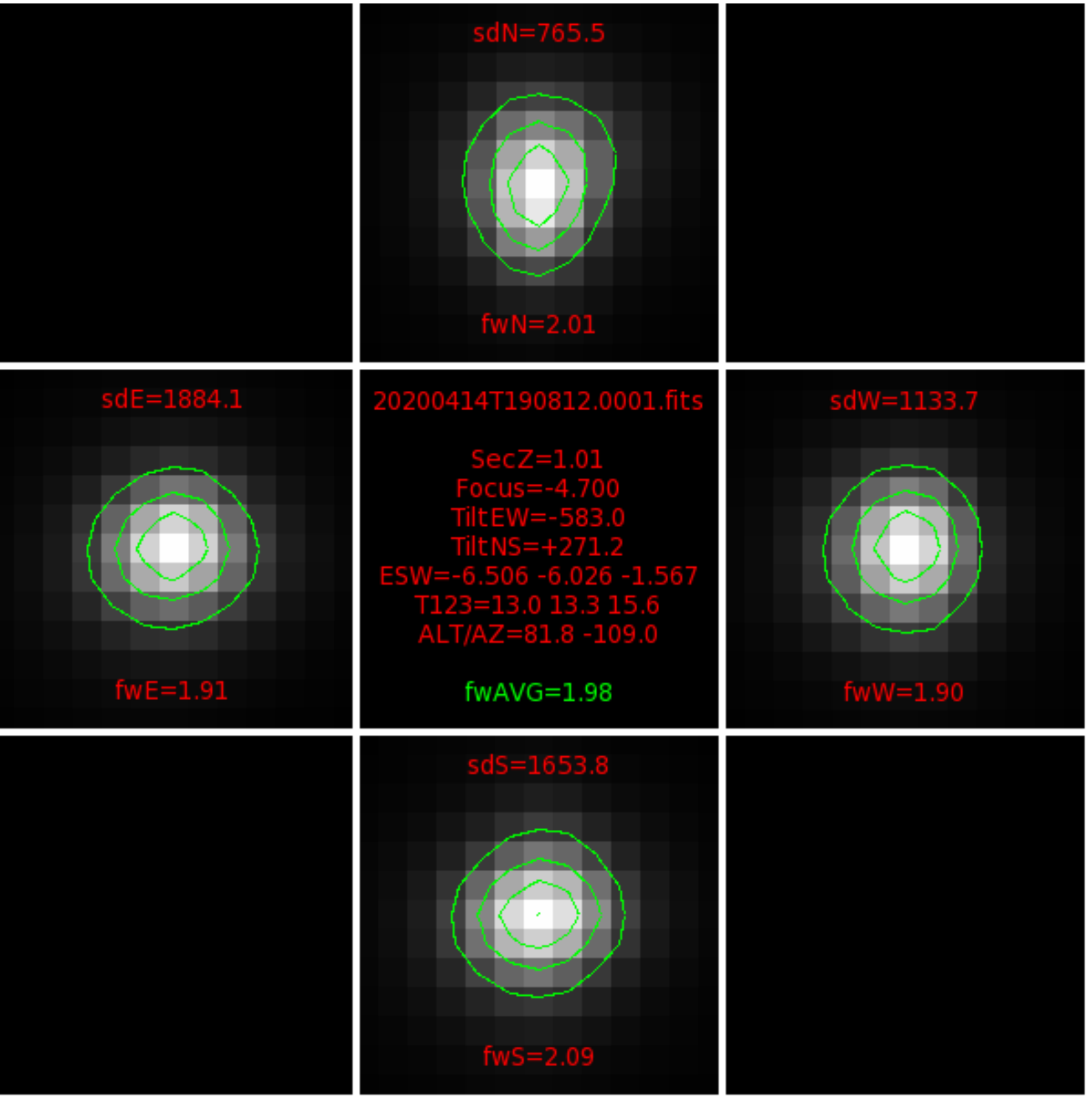
sdN=765.5
fwN=2.01
sdE=1884.1
fwE=1.91
20200414T190812.0001.fits
SecZ=1.01
Focus=-4.700
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.506 -6.026 -1.567
T123=13.0 13.3 15.6
ALT/AZ=81.8 -109.0
fwAVG=1.98
sdW=1133.7
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sdS=1653.8
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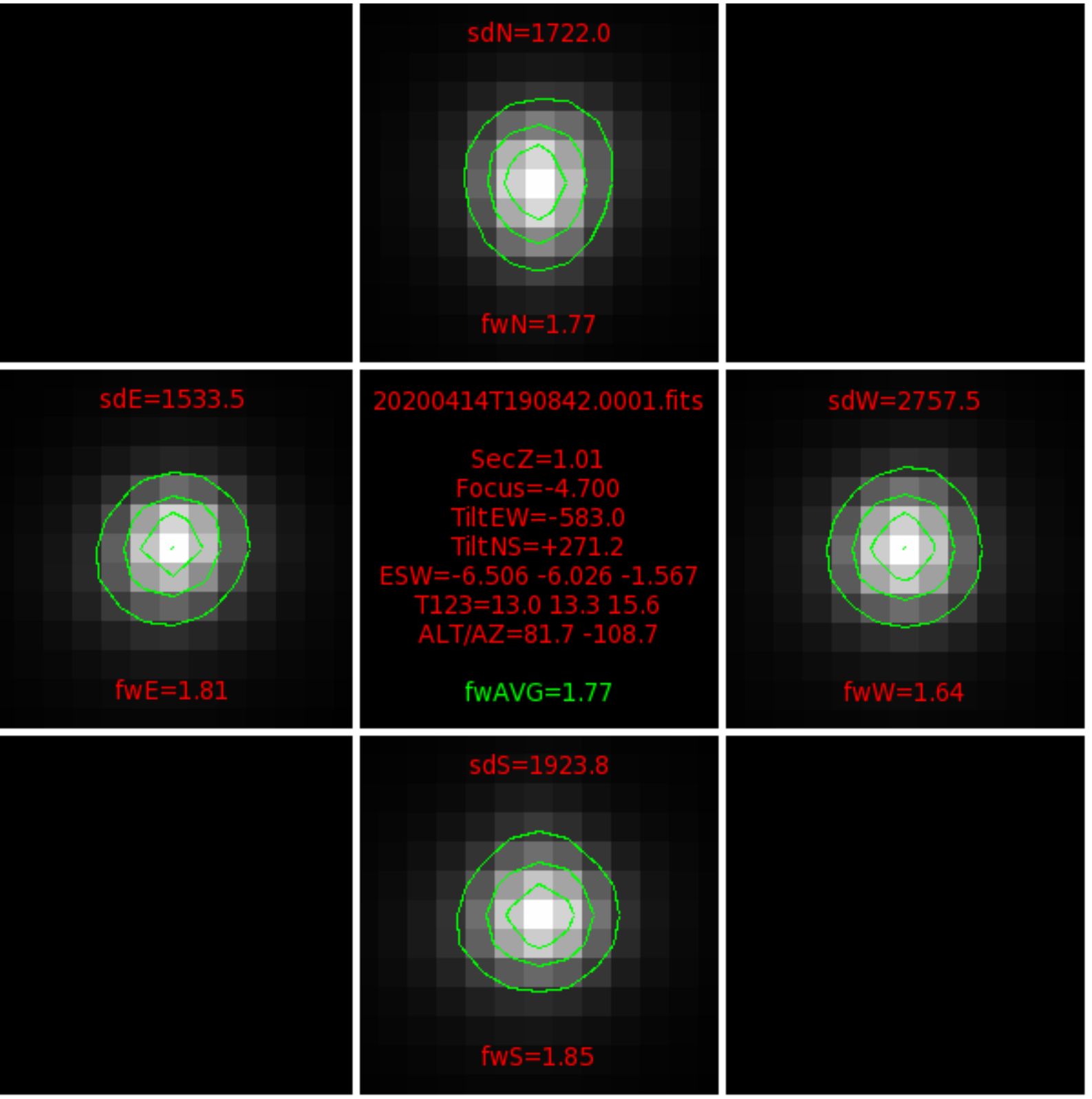
sdN=1722.0
fwN=1.77
sdE=1533.5
fwE=1.81
20200414T190842.0001.fits
SecZ=1.01
Focus=-4.700
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.506 -6.026 -1.567
T123=13.0 13.3 15.6
ALT/AZ=81.7 -108.7
fwAVG=1.77
sdW=2757.5
fwW=1.64
sdS=1923.8
fwS=1.85
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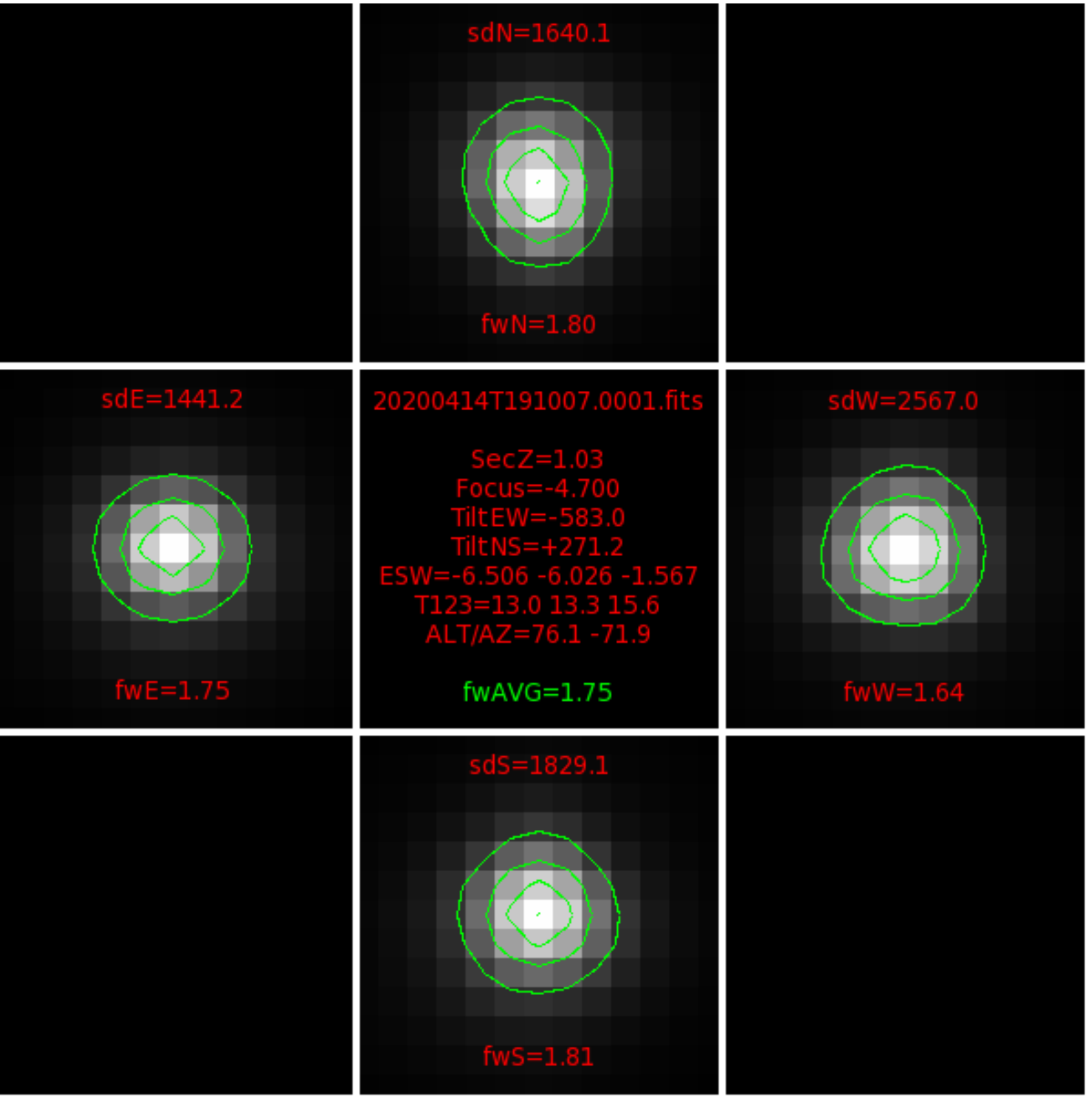
sdN=1640.1
fwN=1.80
sdE=1441.2
fwE=1.75
20200414T191007.0001.fits
SecZ=1.03
Focus=-4.700
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.506 -6.026 -1.567
T123=13.0 13.3 15.6
ALT/AZ=76.1 -71.9
fwAVG=1.75
sdW=2567.0
fwW=1.64
sdS=1829.1
fwS=1.81
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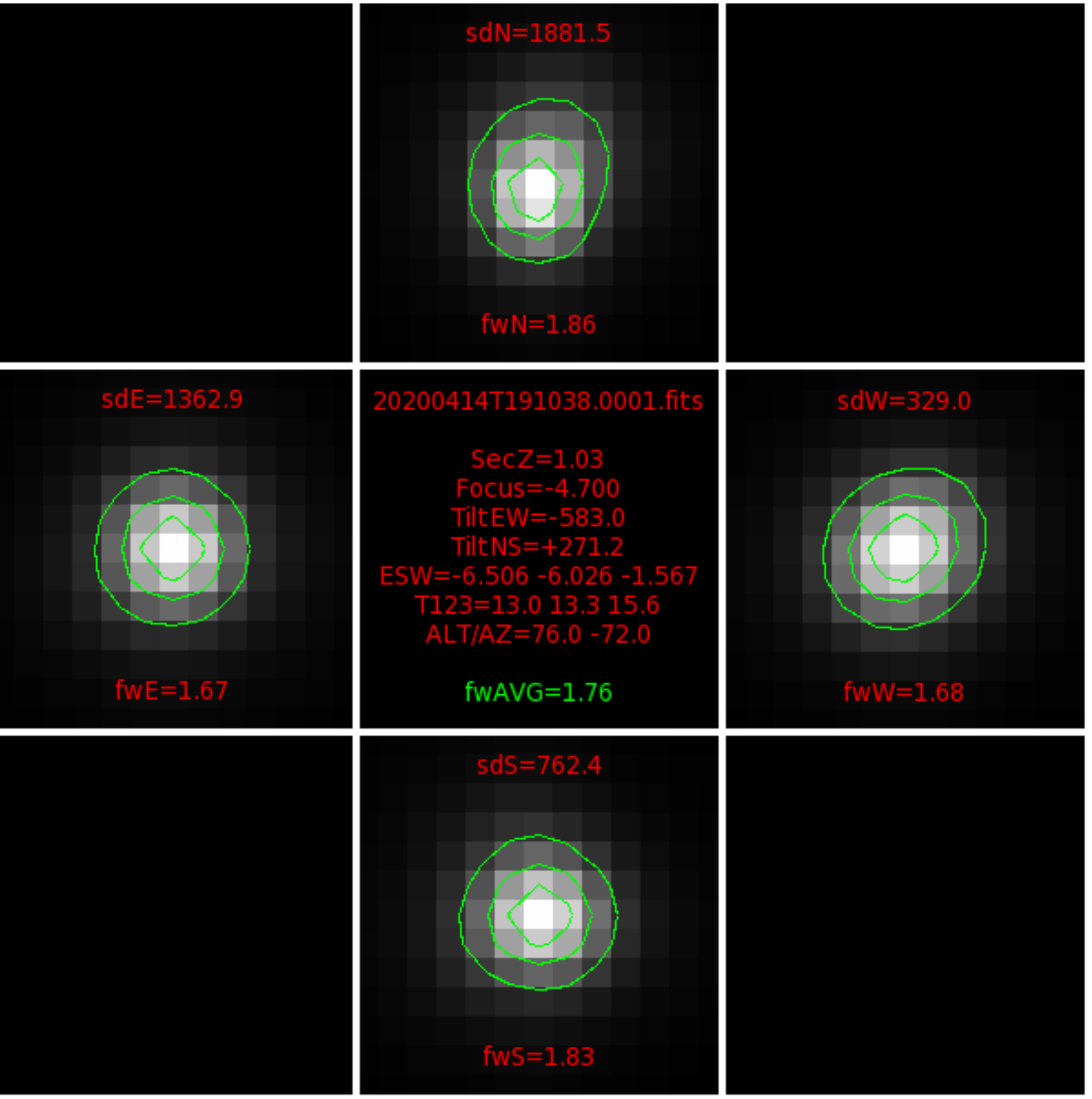
sdN=1881.5
fwN=1.86
sdE=1362.9
fwE=1.67
20200414T191038.0001.fits
SecZ=1.03
Focus=-4.700
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.506 -6.026 -1.567
T123=13.0 13.3 15.6
ALT/AZ=76.0 -72.0
fwAVG=1.76
sdW=329.0
fwW=1.68
sdS=762.4
fwS=1.83
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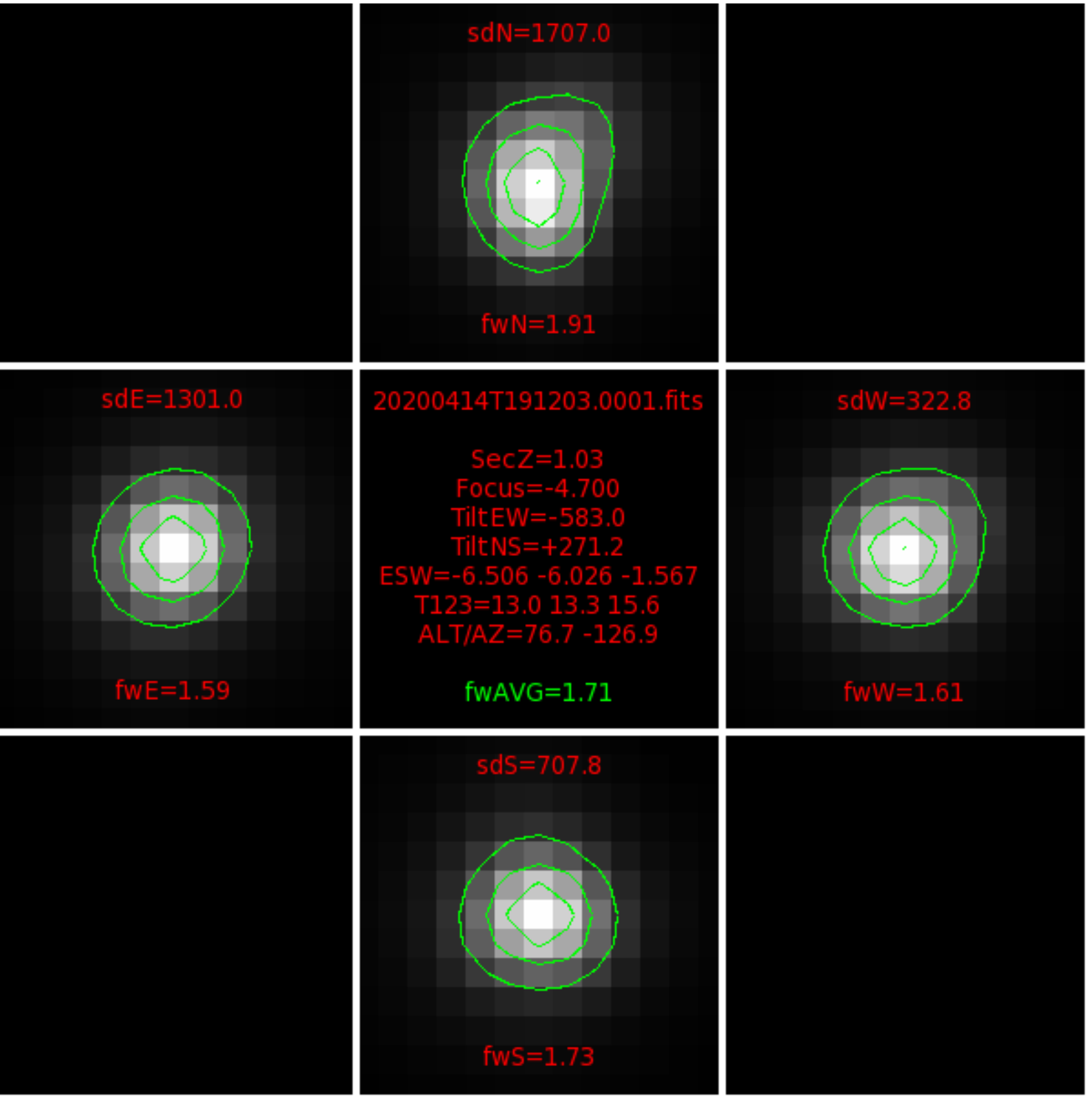
sdN=1707.0
fwN=1.91
sdE=1301.0
fwE=1.59
20200414T191203.0001.fits
SecZ=1.03
Focus=-4.700
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.506 -6.026 -1.567
T123=13.0 13.3 15.6
ALT/AZ=76.7 -126.9
fwAVG=1.71
sdW=322.8
fwW=1.61
sdS=707.8
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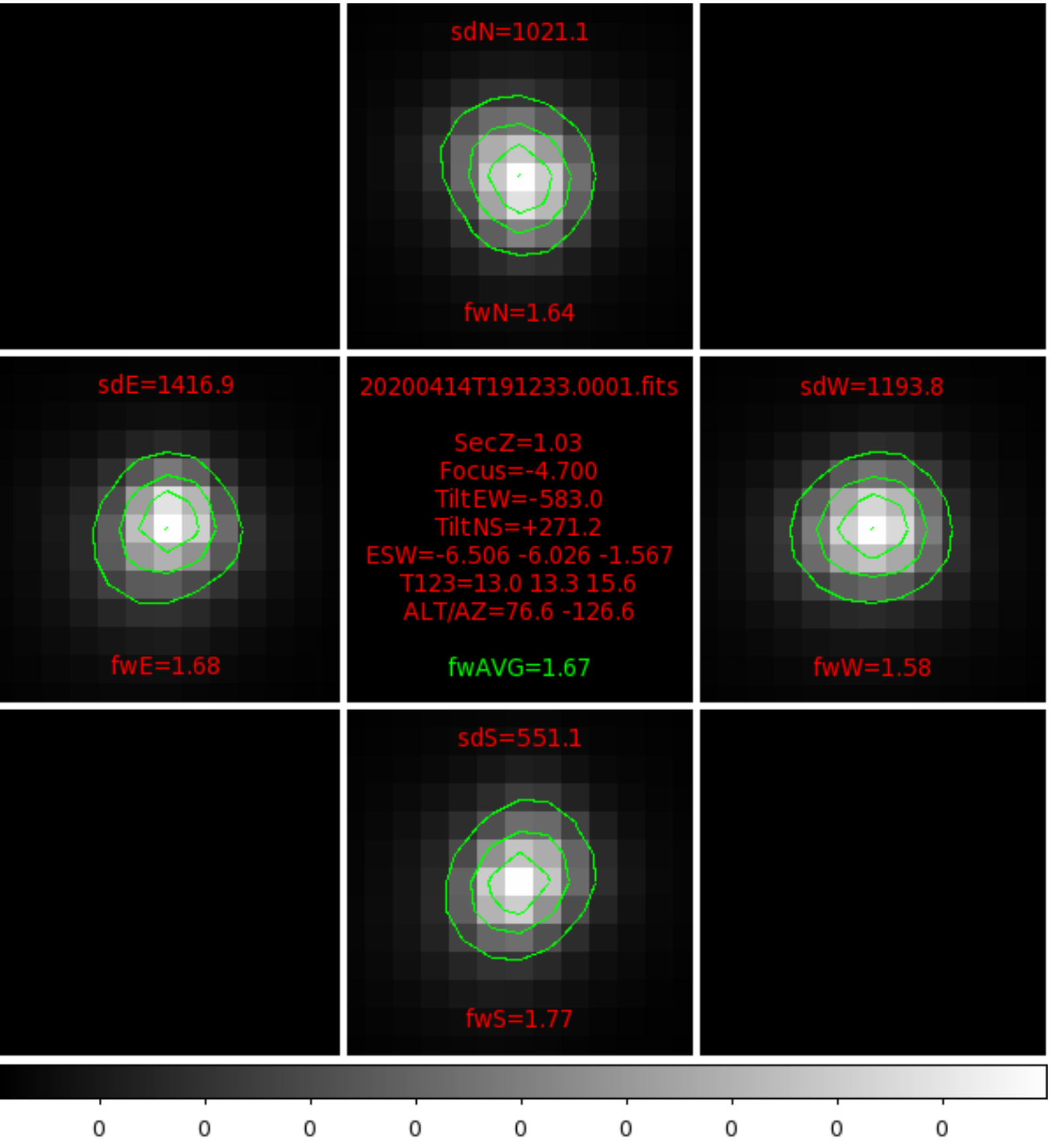
sdN=1021.1
fwN=1.64
sdE=1416.9
fwE=1.68
20200414T191233.0001.fits
SecZ=1.03
Focus=-4.700
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.506 -6.026 -1.567
T123=13.0 13.3 15.6
ALT/AZ=76.6 -126.6
fwAVG=1.67
sdW=1193.8
fwW=1.58
sdS=551.1
fwS=1.77
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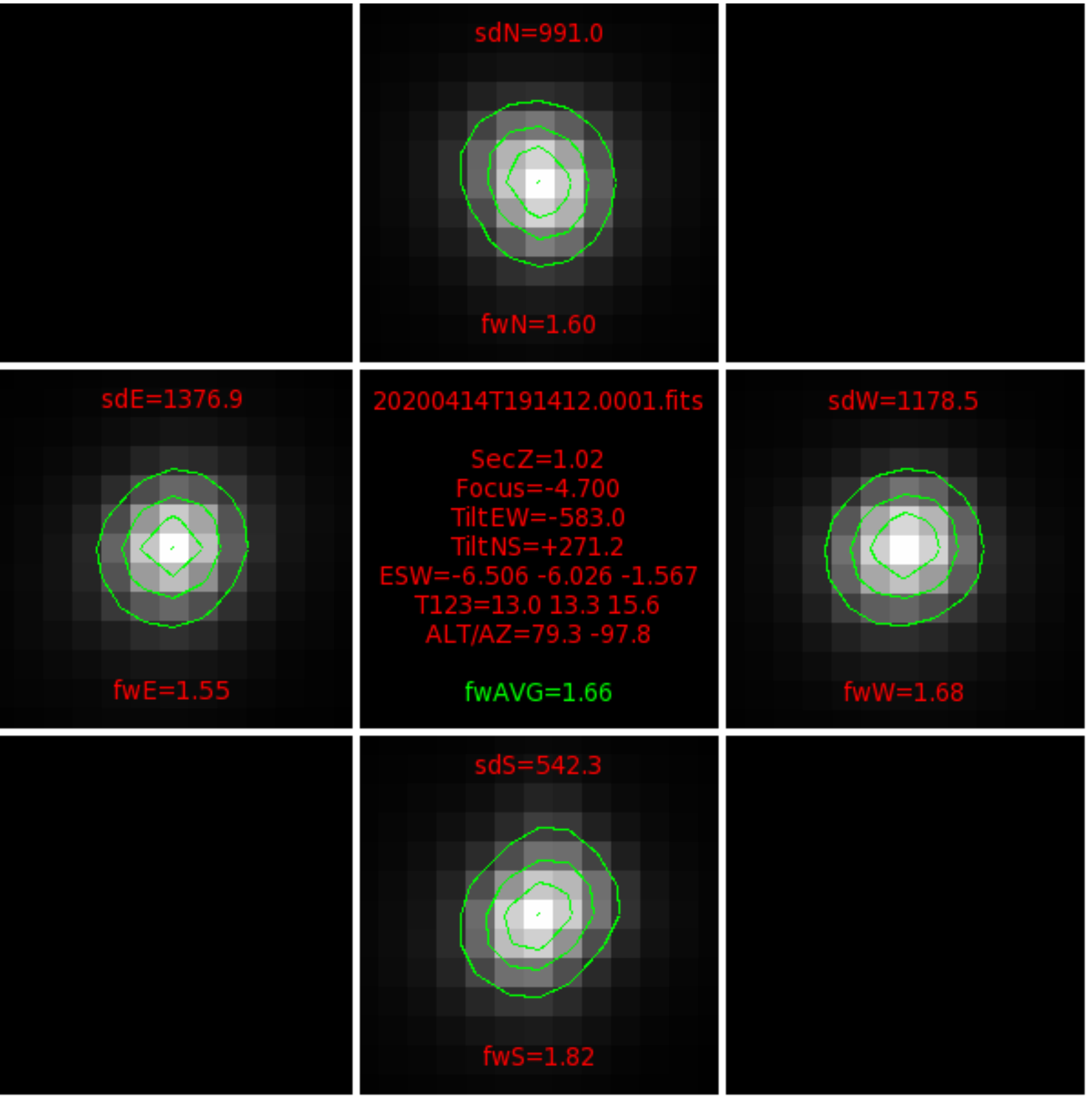
sdN=991.0
fwN=1.60
sdE=1376.9
fwE=1.55
20200414T191412.0001.fits
SecZ=1.02
Focus=-4.700
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.506 -6.026 -1.567
T123=13.0 13.3 15.6
ALT/AZ=79.3 -97.8
fwAVG=1.66
sdW=1178.5
fwW=1.68
sdS=542.3
fwS=1.82
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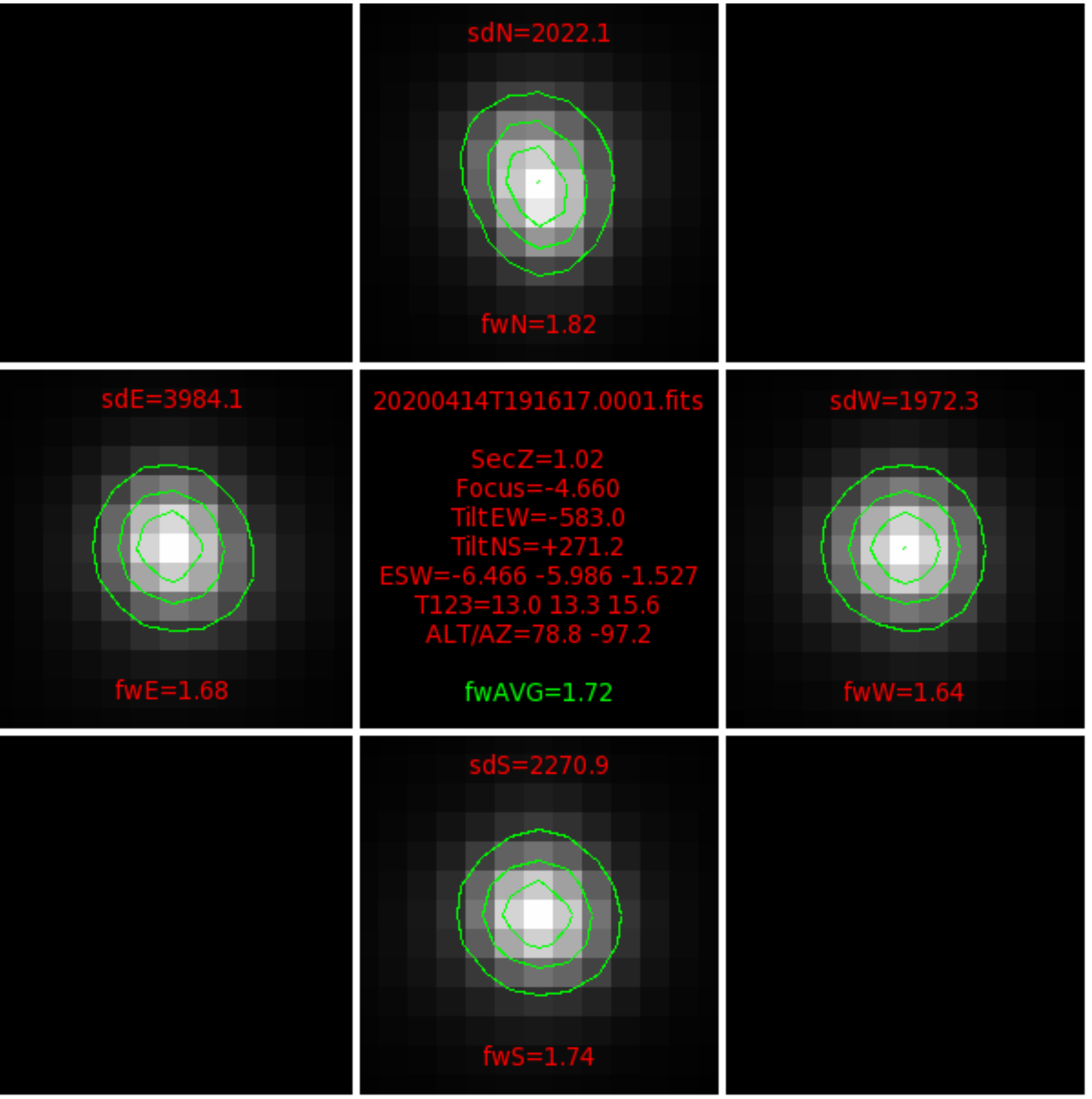
sdN=2022.1
fwN=1.82
sdE=3984.1
fwE=1.68
20200414T191617.0001.fits
SecZ=1.02
Focus=-4.660
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.466 -5.986 -1.527
T123=13.0 13.3 15.6
ALT/AZ=78.8 -97.2
fwAVG=1.72
sdW=1972.3
fwW=1.64
sdS=2270.9
fwS=1.74
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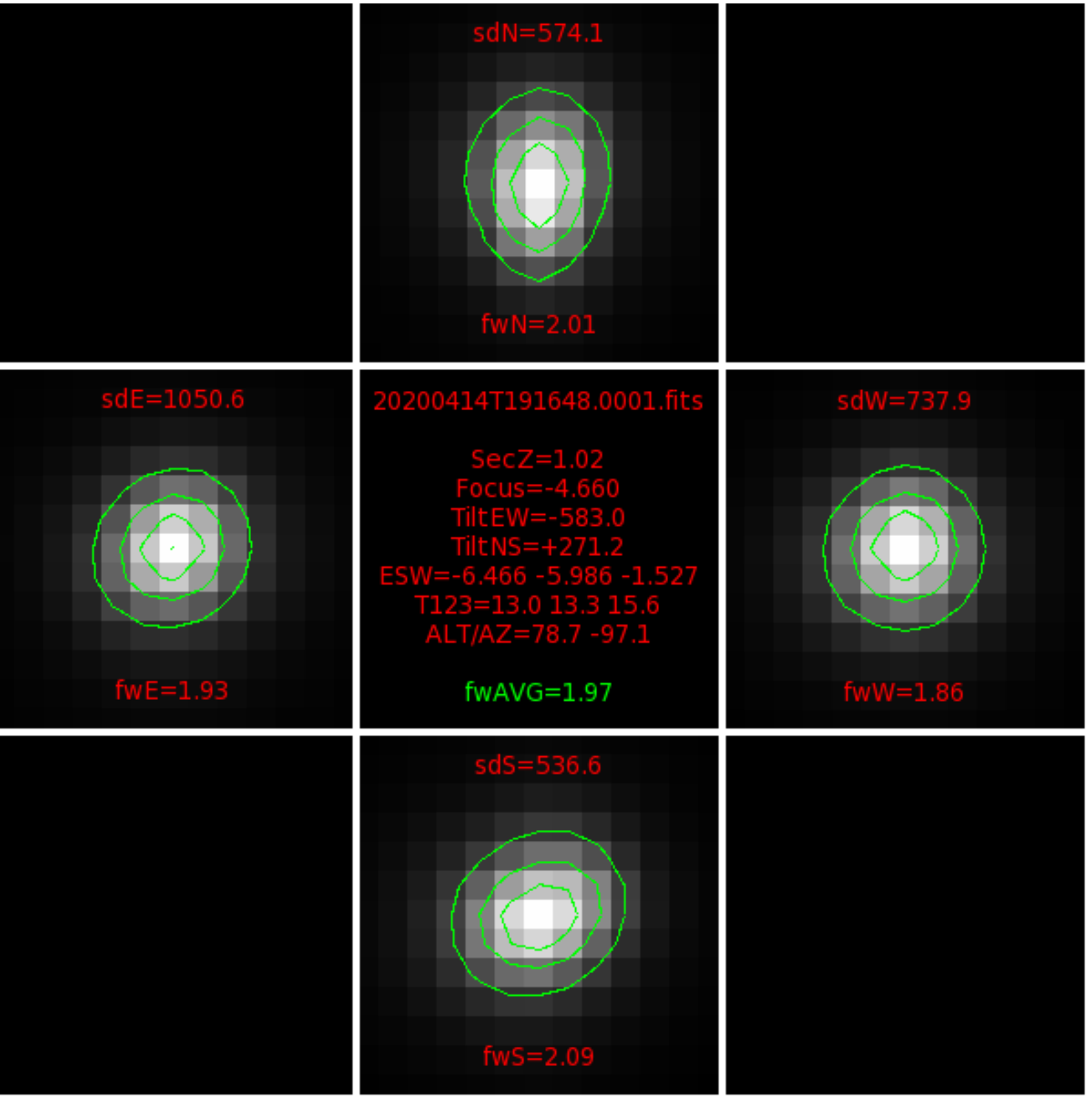
sdN=574.1
fwN=2.01
sdE=1050.6
fwE=1.93
20200414T191648.0001.fits
SecZ=1.02
Focus=-4.660
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.466 -5.986 -1.527
T123=13.0 13.3 15.6
ALT/AZ=78.7 -97.1
fwAVG=1.97
sdW=737.9
fwW=1.86
sdS=536.6
fwS=2.09
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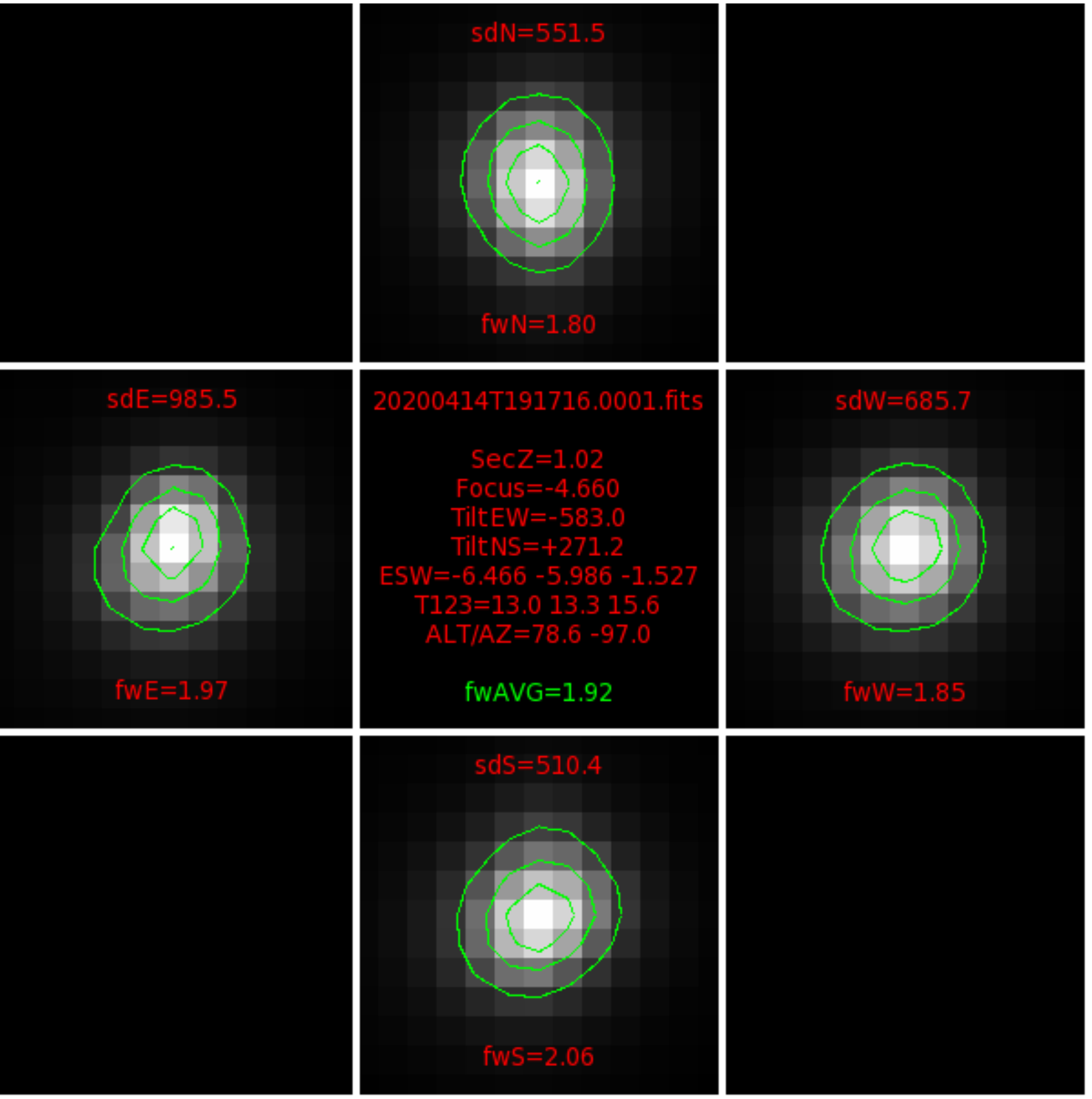
sdN=551.5
fwN=1.80
sdE=985.5
fwE=1.97
20200414T191716.0001.fits
SecZ=1.02
Focus=-4.660
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.466 -5.986 -1.527
T123=13.0 13.3 15.6
ALT/AZ=78.6 -97.0
fwAVG=1.92
sdW=685.7
fwW=1.85
sdS=510.4
fwS=2.06
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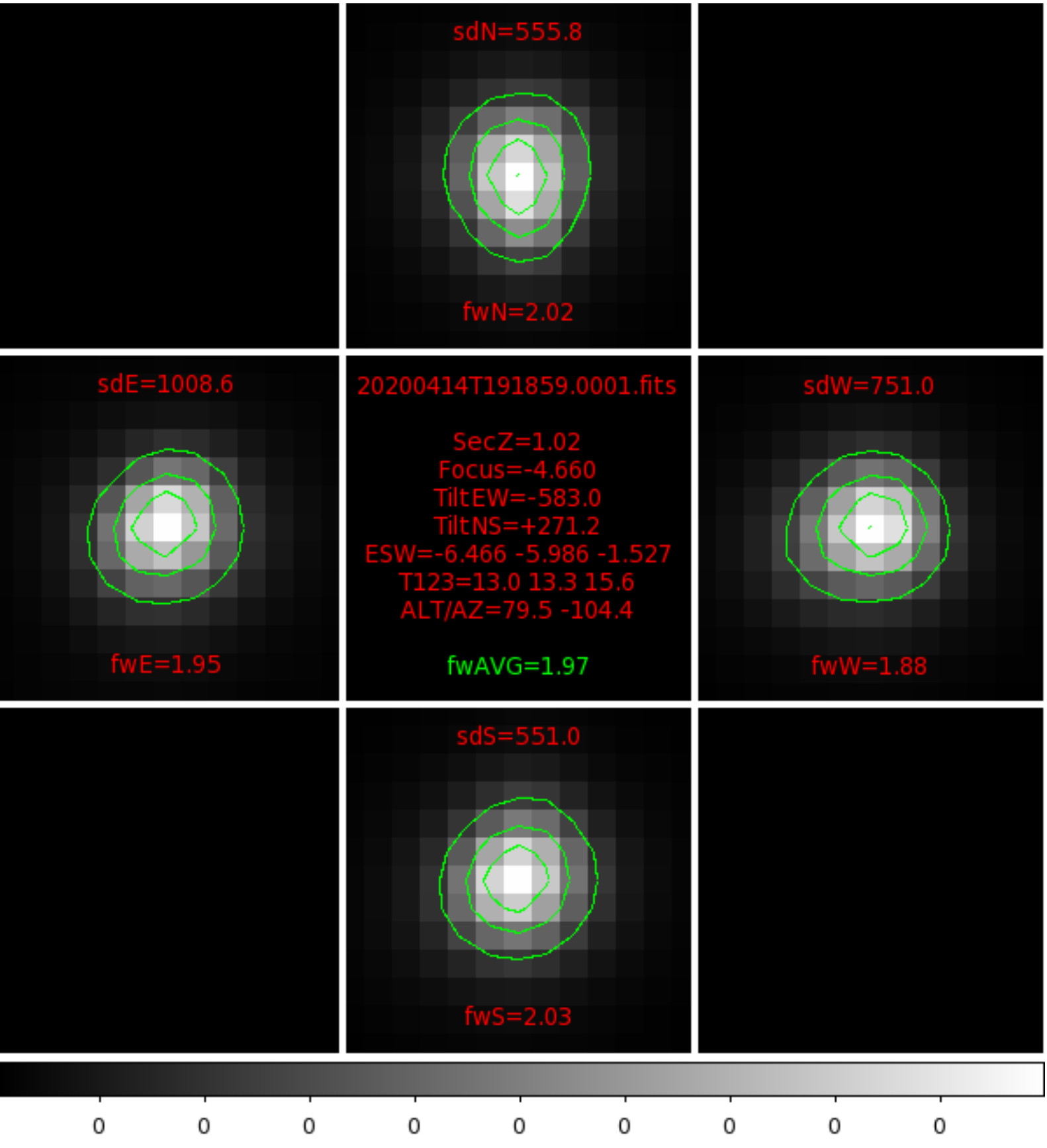
sdN=555.8
fwN=2.02
sdE=1008.6
fwE=1.95
20200414T191859.0001.fits
SecZ=1.02
Focus=-4.660
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.466 -5.986 -1.527
T123=13.0 13.3 15.6
ALT/AZ=79.5 -104.4
fwAVG=1.97
sdW=751.0
fwW=1.88
sdS=551.0
fwS=2.03
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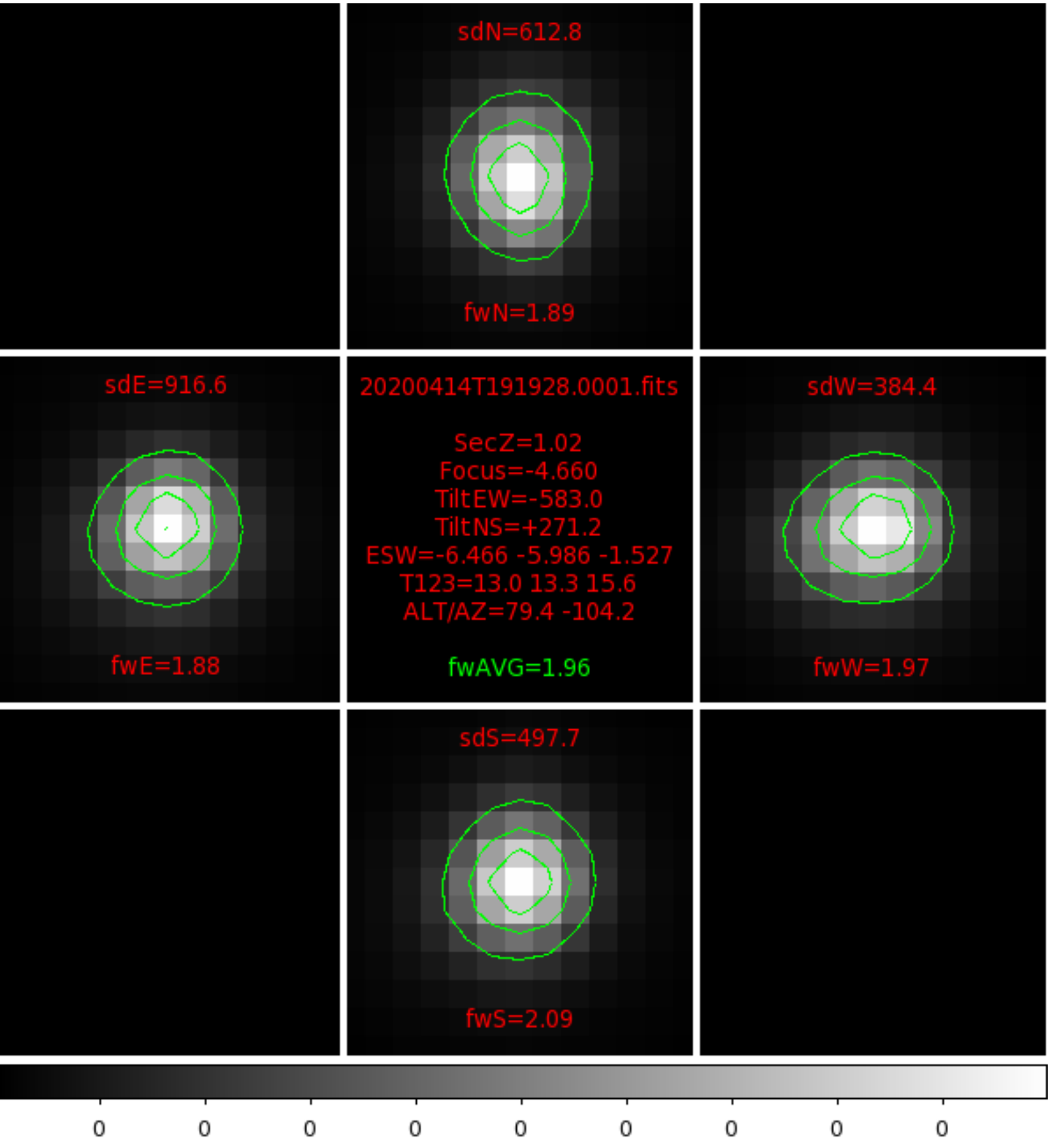
sdN=612.8
fwN=1.89
sdE=916.6
fwE=1.88
20200414T191928.0001.fits
SecZ=1.02
Focus=-4.660
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.466 -5.986 -1.527
T123=13.0 13.3 15.6
ALT/AZ=79.4 -104.2
fwAVG=1.96
sdW=384.4
fwW=1.97
sdS=497.7
fwS=2.09
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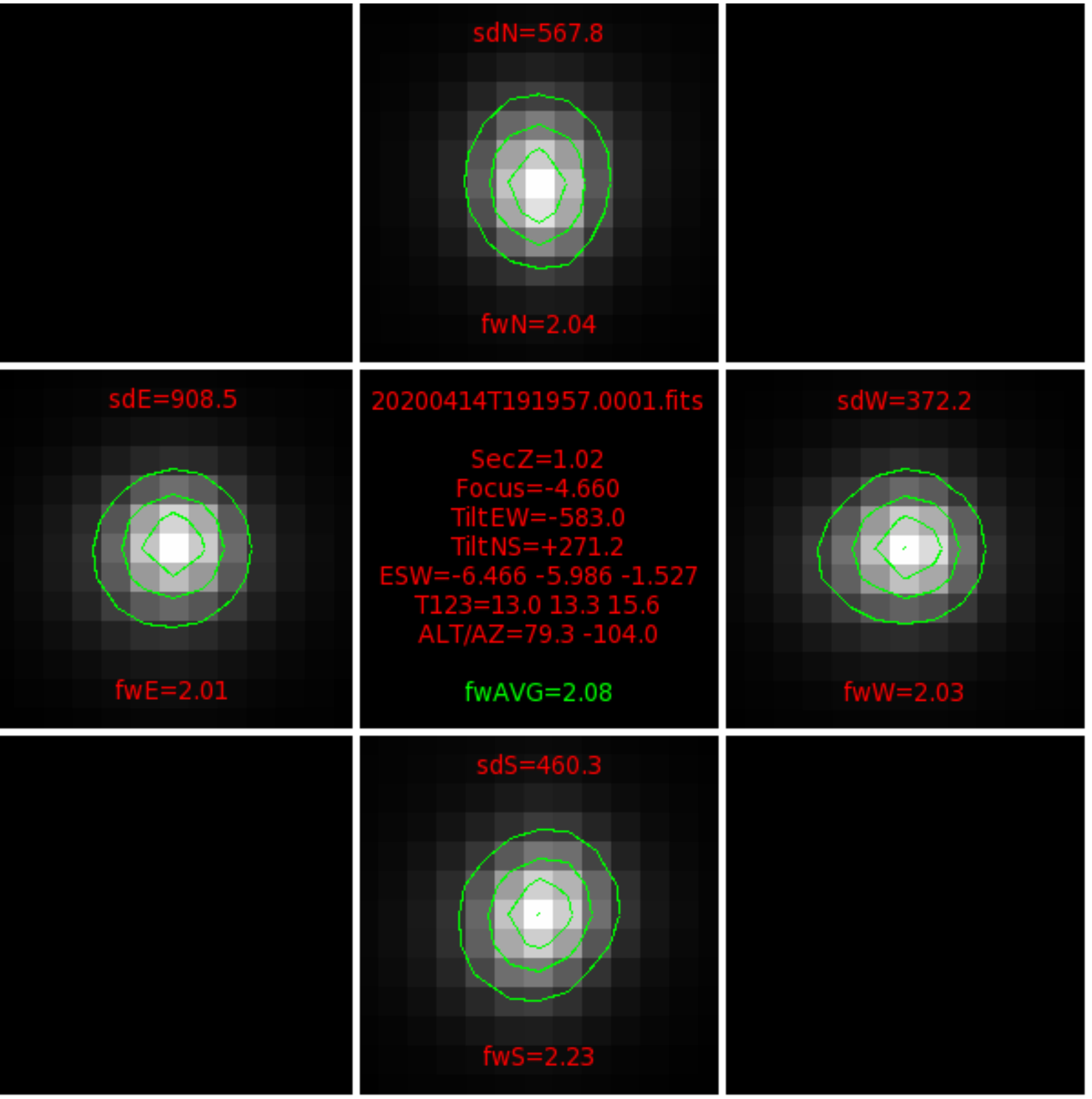
sdN=567.8
fwN=2.04
sdE=908.5
fwE=2.01
20200414T191957.0001.fits
SecZ=1.02
Focus=-4.660
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.466 -5.986 -1.527
T123=13.0 13.3 15.6
ALT/AZ=79.3 -104.0
fwAVG=2.08
sdW=372.2
fwW=2.03
sdS=460.3
fwS=2.23
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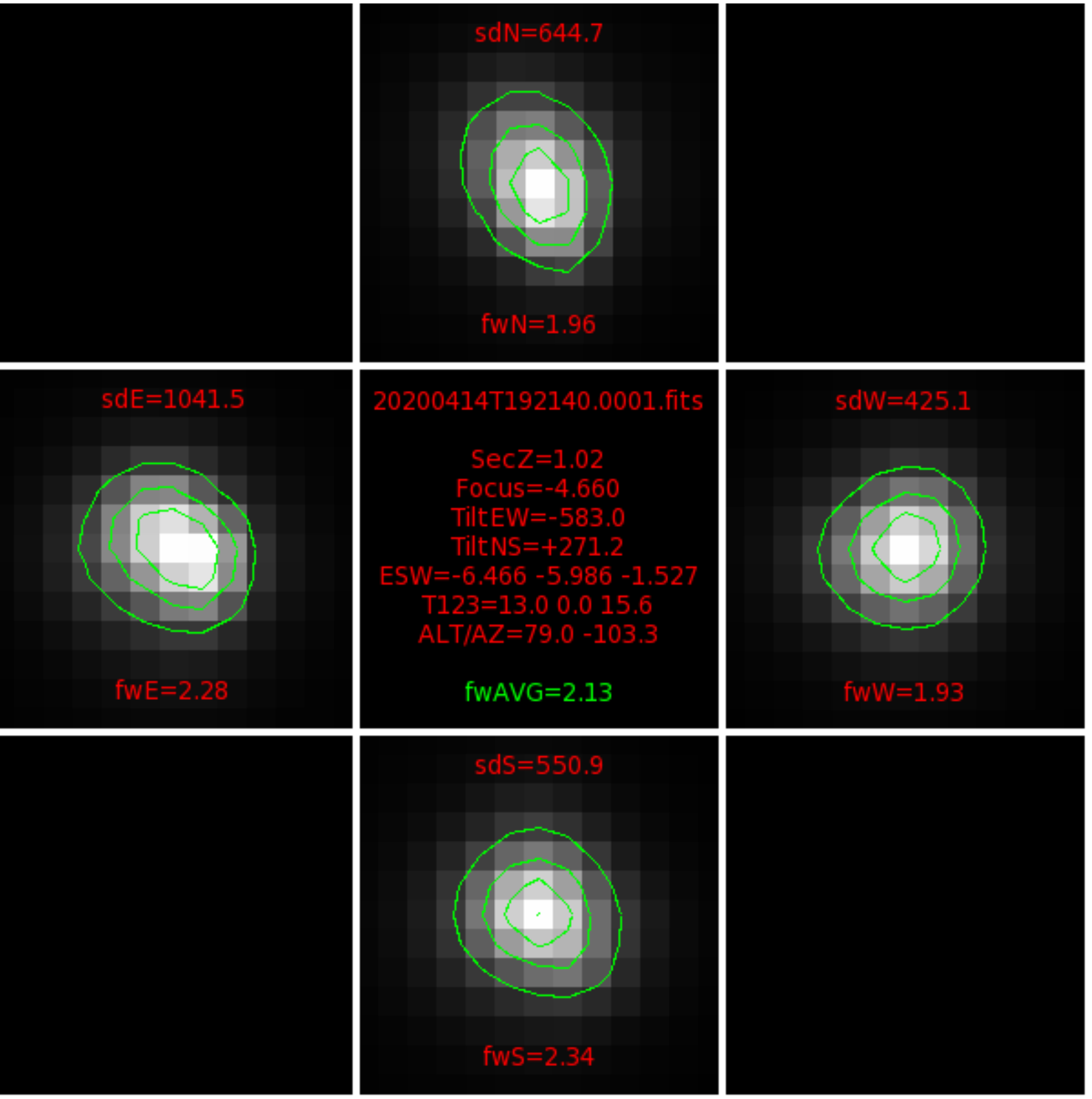
sdN=644.7
fwN=1.96
sdE=1041.5
fwE=2.28
20200414T192140.0001.fits
SecZ=1.02
Focus=-4.660
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.466 -5.986 -1.527
T123=13.0 0.0 15.6
ALT/AZ=79.0 -103.3
fwAVG=2.13
sdW=425.1
fwW=1.93
sdS=550.9
fwS=2.34
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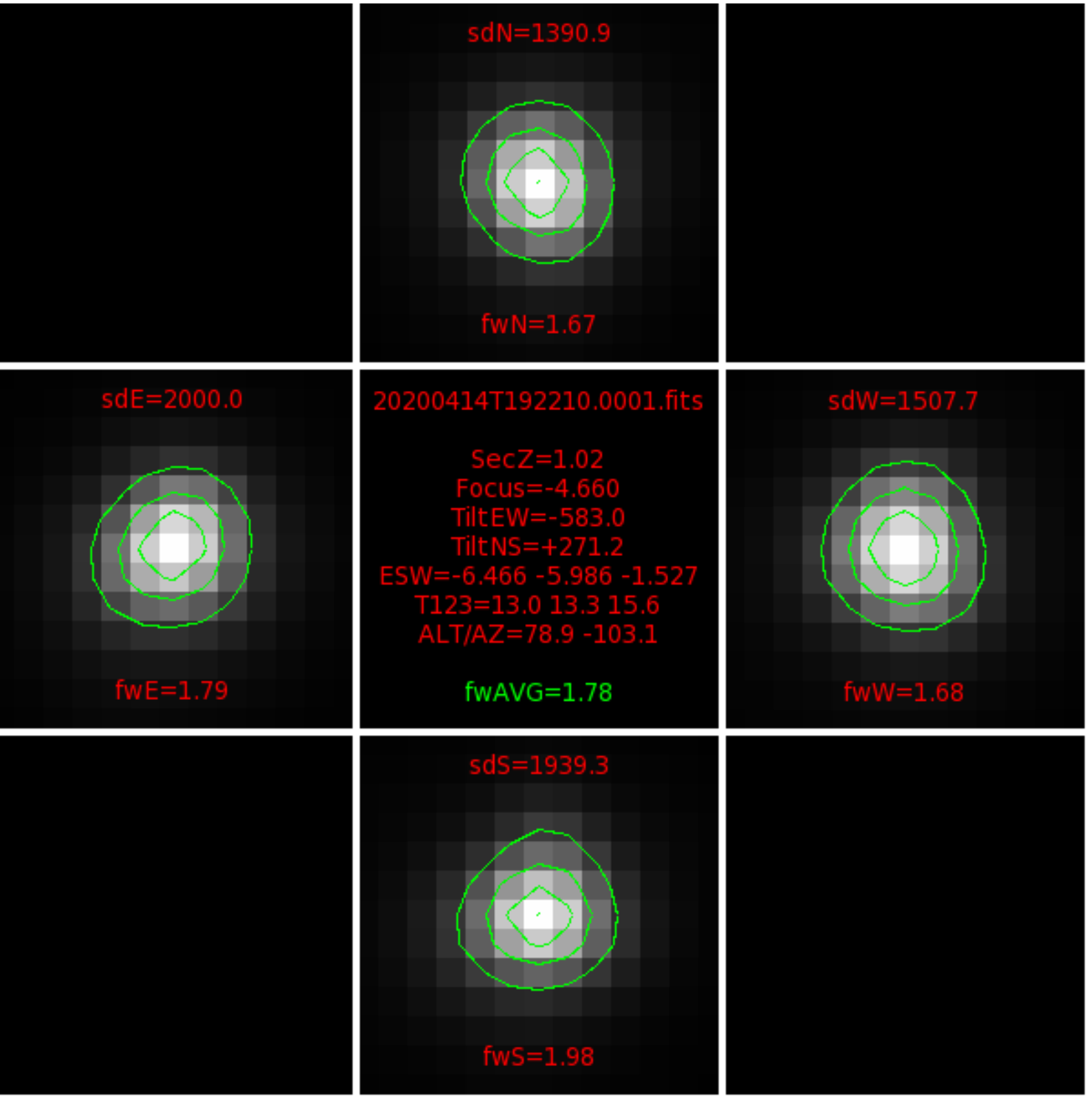
sdN=1390.9
fwN=1.67
sdE=2000.0
fwE=1.79
20200414T192210.0001.fits
SecZ=1.02
Focus=-4.660
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.466 -5.986 -1.527
T123=13.0 13.3 15.6
ALT/AZ=78.9 -103.1
fwAVG=1.78
sdW=1507.7
fwW=1.68
sdS=1939.3
fwS=1.98
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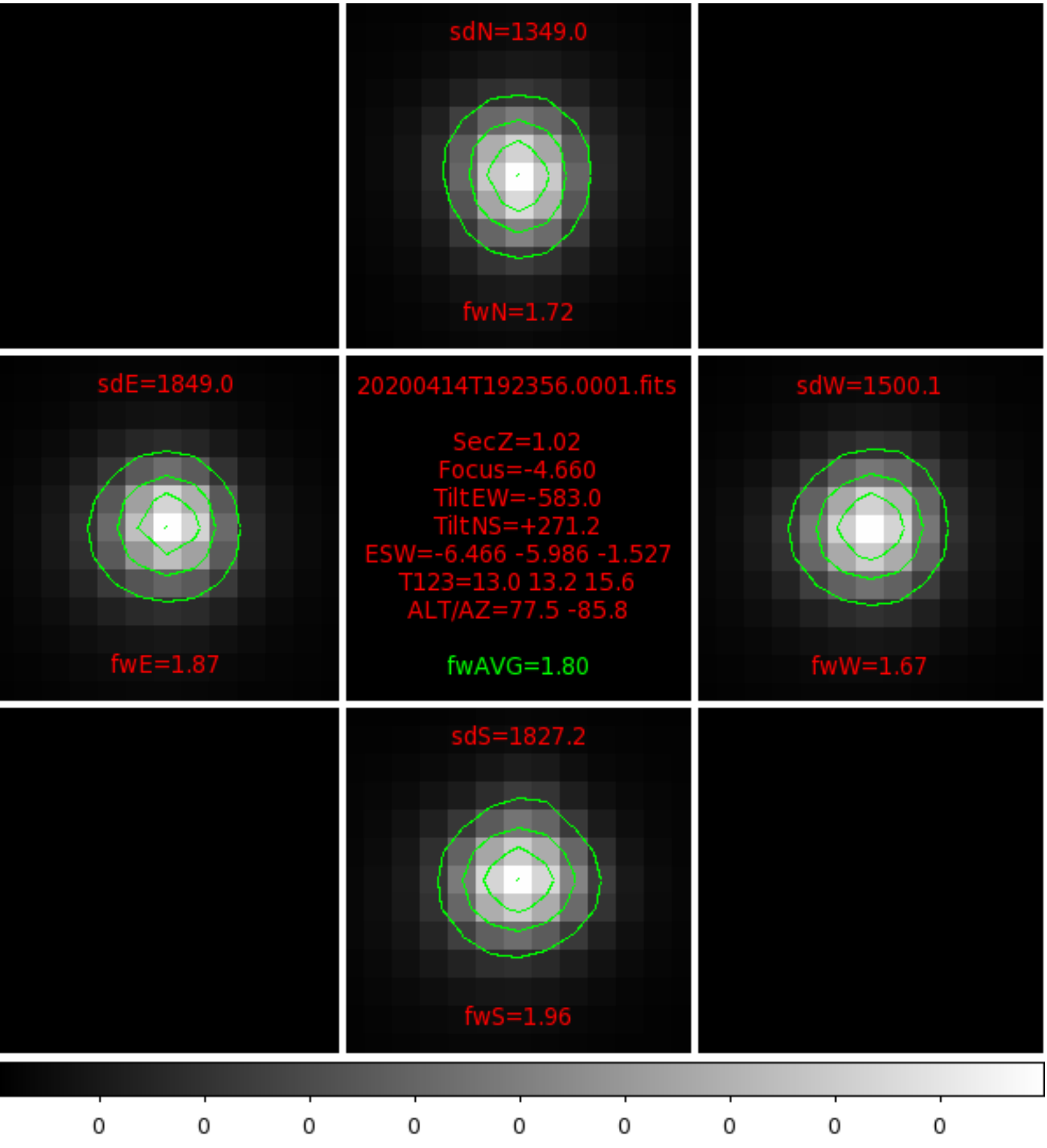
sdN=1349.0
fwN=1.72
sdE=1849.0
fwE=1.87
20200414T192356.0001.fits
SecZ=1.02
Focus=-4.660
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.466 -5.986 -1.527
T123=13.0 13.2 15.6
ALT/AZ=77.5 -85.8
fwAVG=1.80
sdW=1500.1
fwW=1.67
sdS=1827.2
fwS=1.96
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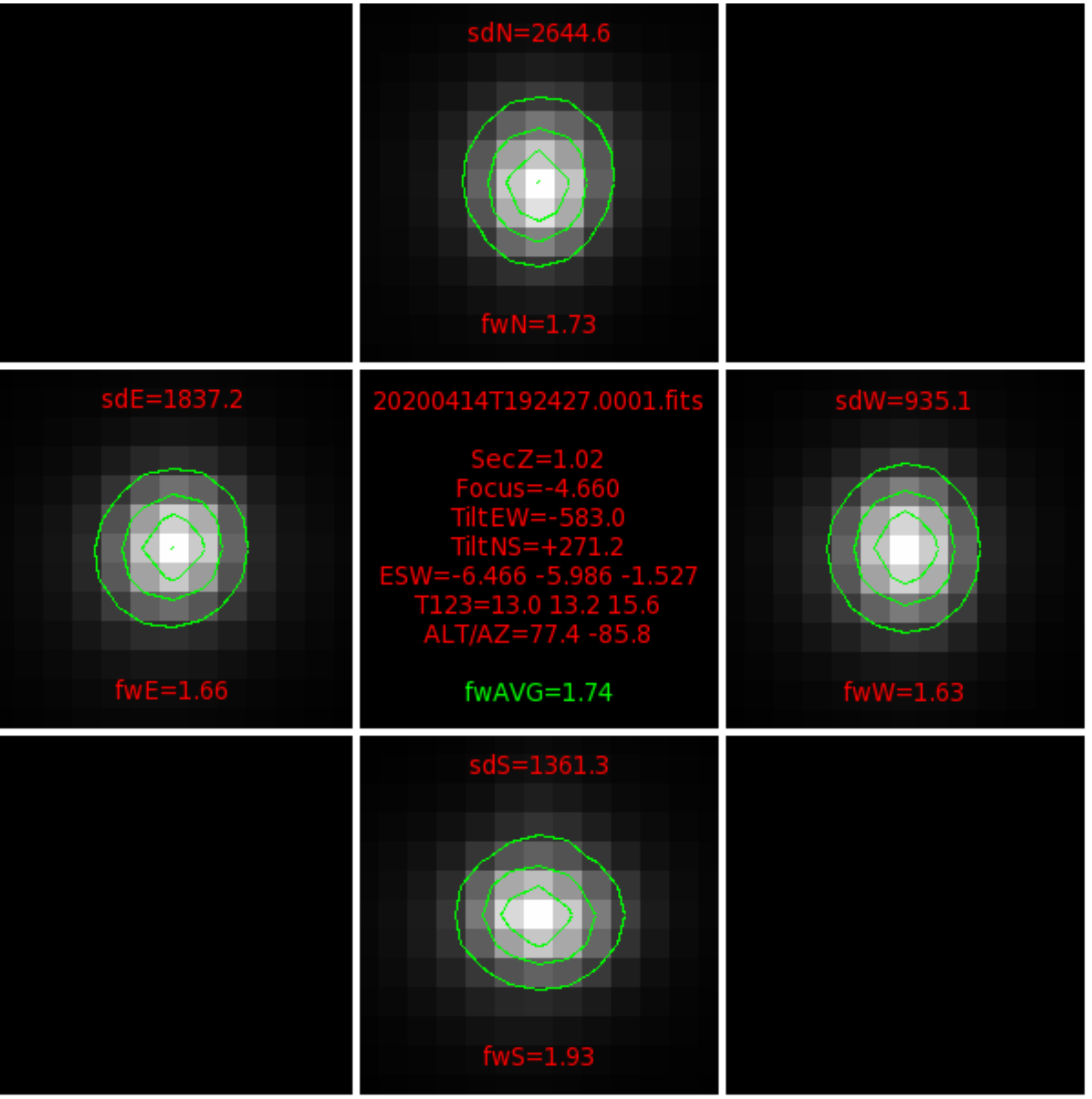
sdN=2644.6
fwN=1.73
sdE=1837.2
fwE=1.66
20200414T192427.0001.fits
SecZ=1.02
Focus=-4.660
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.466 -5.986 -1.527
T123=13.0 13.2 15.6
ALT/AZ=77.4 -85.8
fwAVG=1.74
sdW=935.1
fwW=1.63
sdS=1361.3
fwS=1.93
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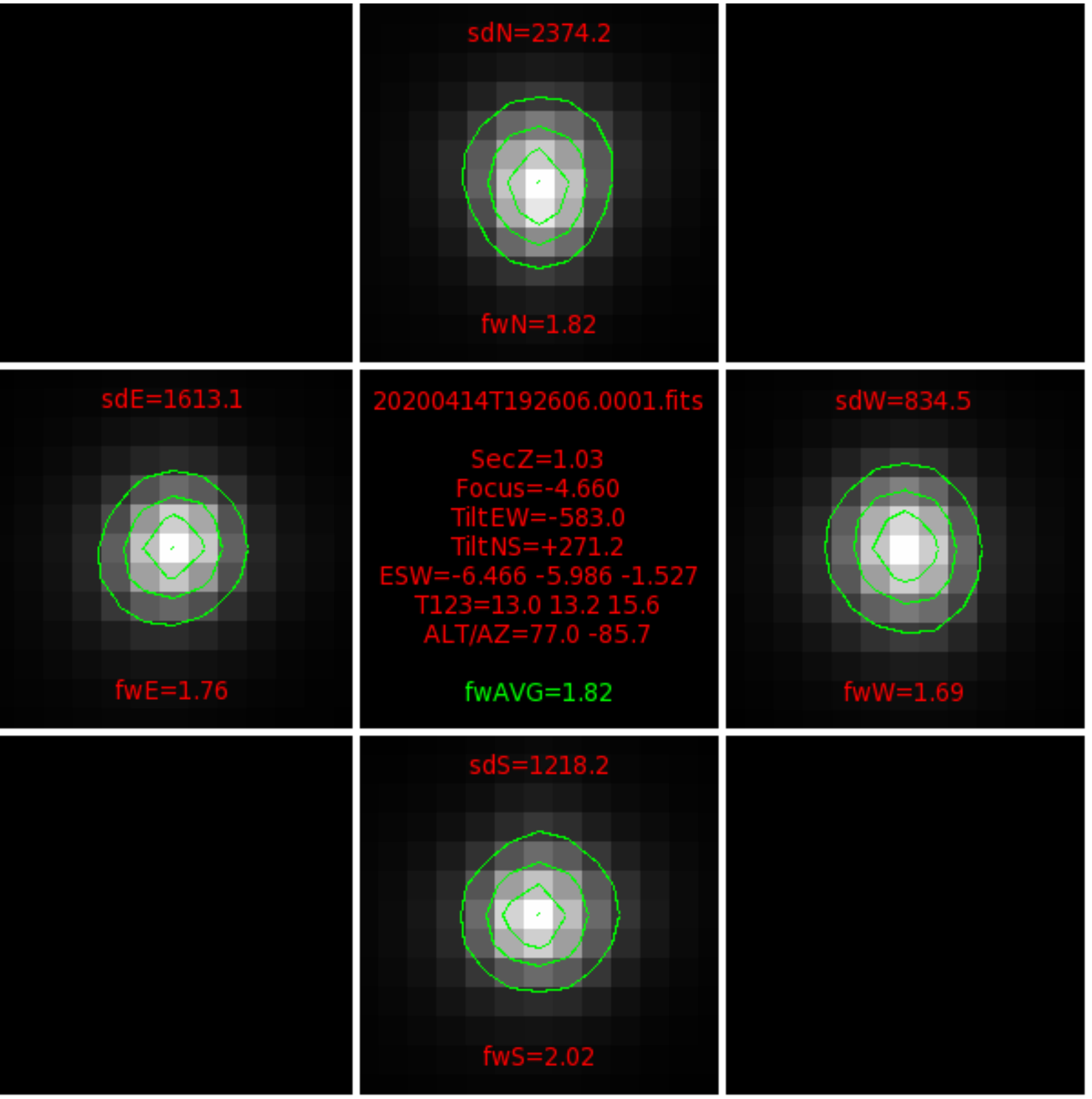
sdN=2374.2
fwN=1.82
sdE=1613.1
fwE=1.76
20200414T192606.0001.fits
SecZ=1.03
Focus=-4.660
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.466 -5.986 -1.527
T123=13.0 13.2 15.6
ALT/AZ=77.0 -85.7
fwAVG=1.82
sdW=834.5
fwW=1.69
sdS=1218.2
fwS=2.02
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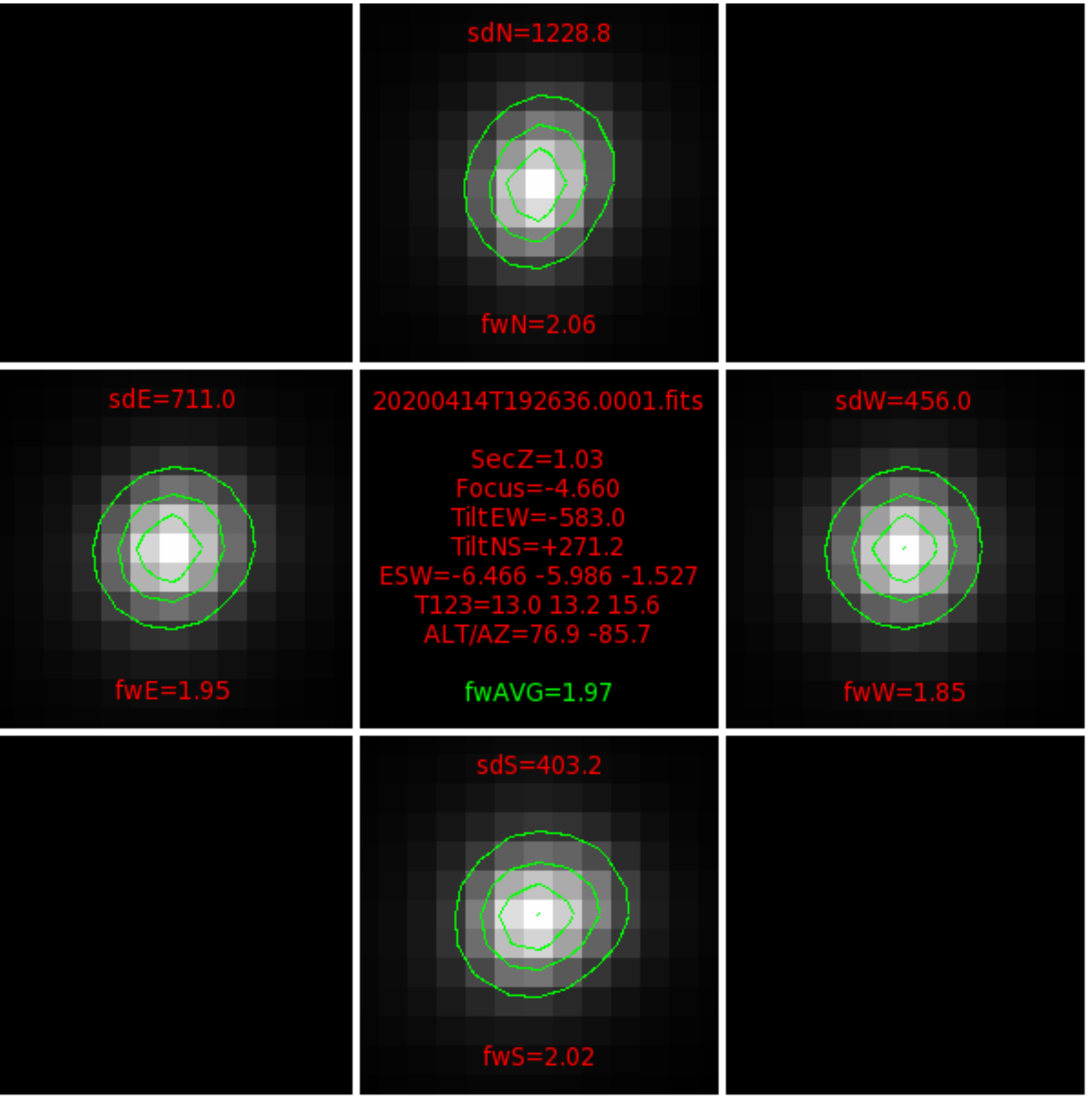
sdN=1228.8
fwN=2.06
sdE=711.0
fwE=1.95
20200414T192636.0001.fits
SecZ=1.03
Focus=-4.660
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.466 -5.986 -1.527
T123=13.0 13.2 15.6
ALT/AZ=76.9 -85.7
fwAVG=1.97
sdW=456.0
fwW=1.85
sdS=403.2
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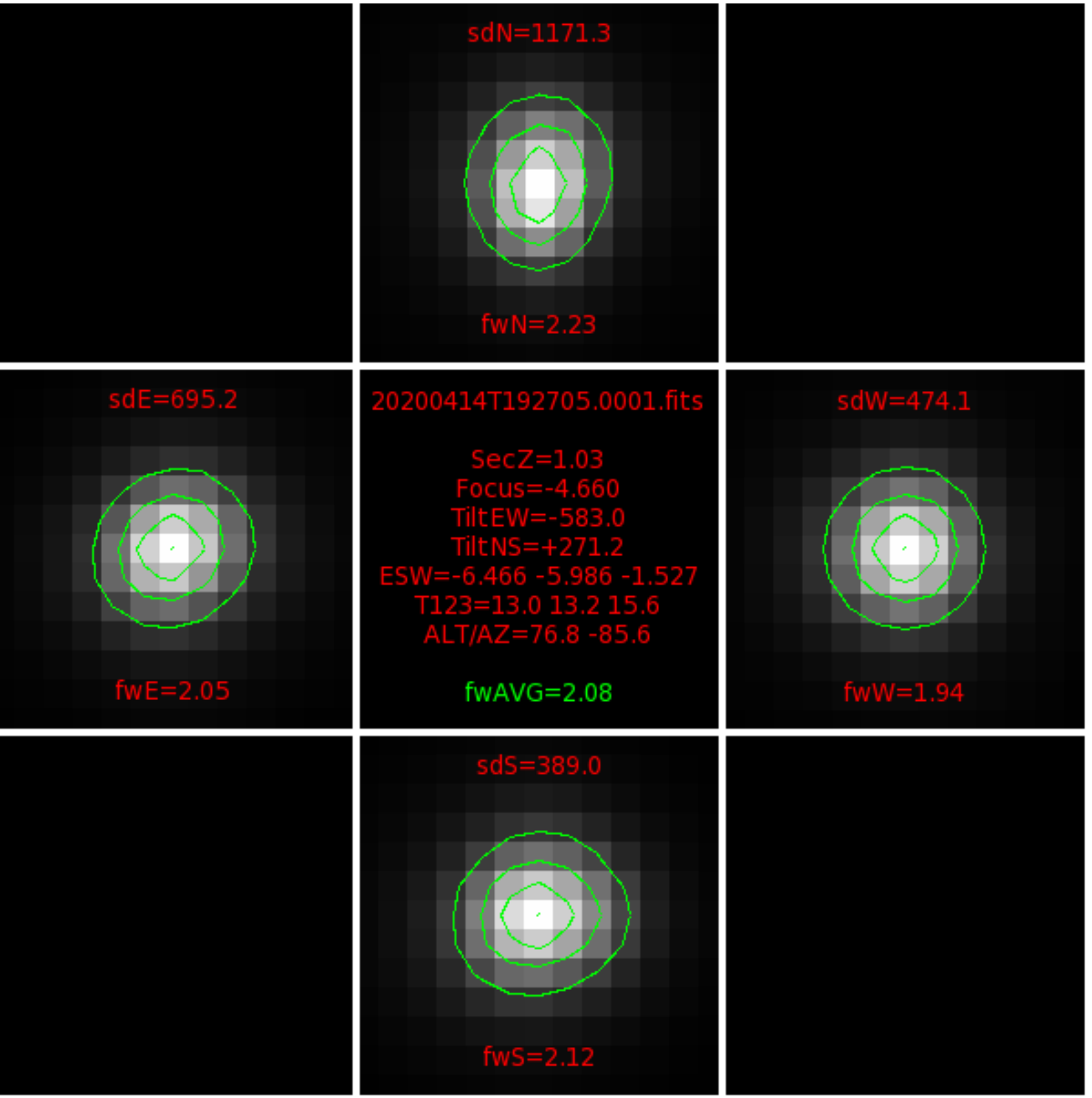
sdN=1171.3
fwN=2.23
sdE=695.2
fwE=2.05
20200414T192705.0001.fits
SecZ=1.03
Focus=-4.660
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.466 -5.986 -1.527
T123=13.0 13.2 15.6
ALT/AZ=76.8 -85.6
fwAVG=2.08
sdW=474.1
fwW=1.94
sdS=389.0
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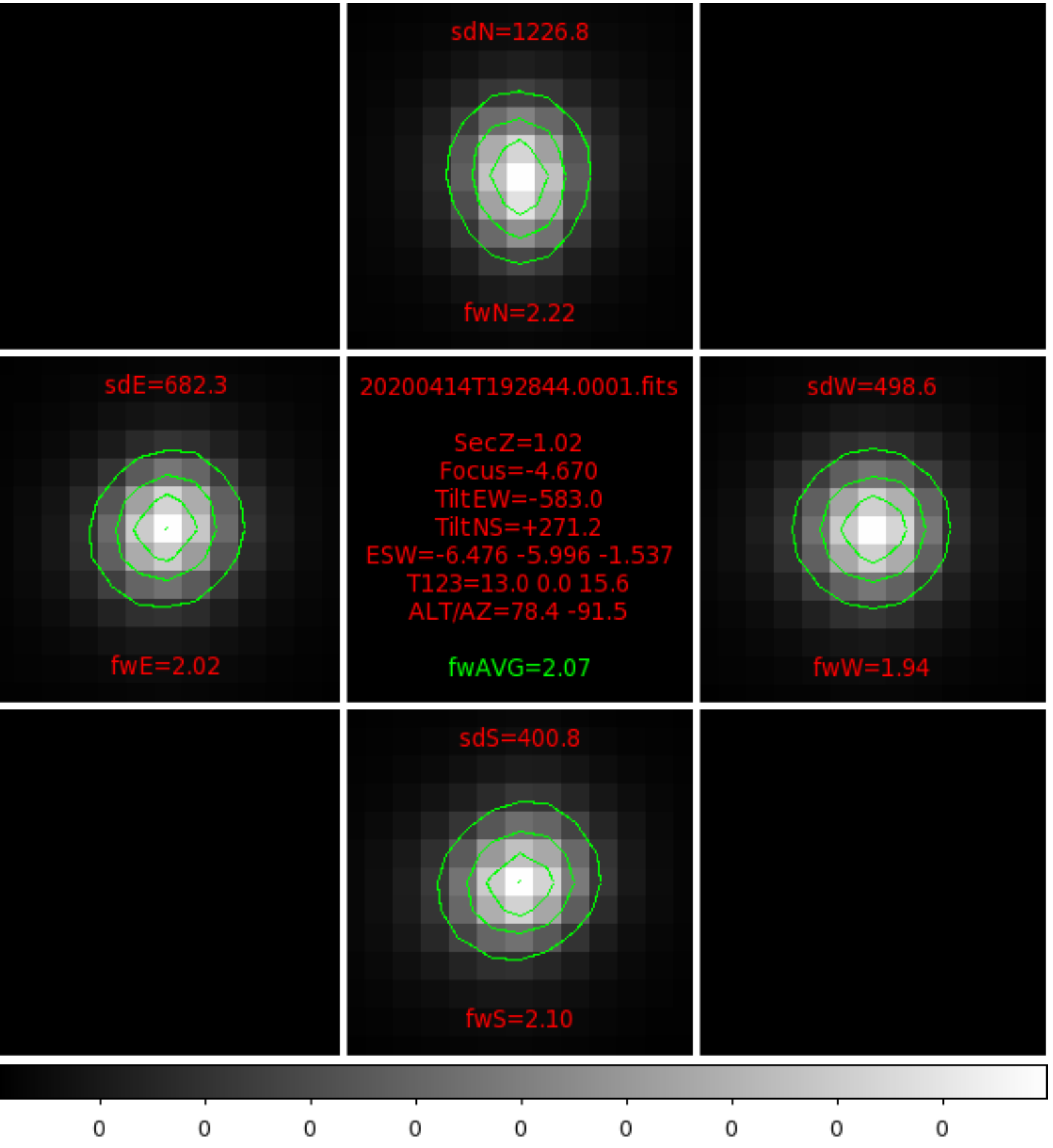
sdN=1226.8
fwN=2.22
sdE=682.3
fwE=2.02
20200414T192844.0001.fits
SecZ=1.02
Focus=-4.670
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.476 -5.996 -1.537
T123=13.0 0.0 15.6
ALT/AZ=78.4 -91.5
fwAVG=2.07
sdW=498.6
fwW=1.94
sdS=400.8
fwS=2.10
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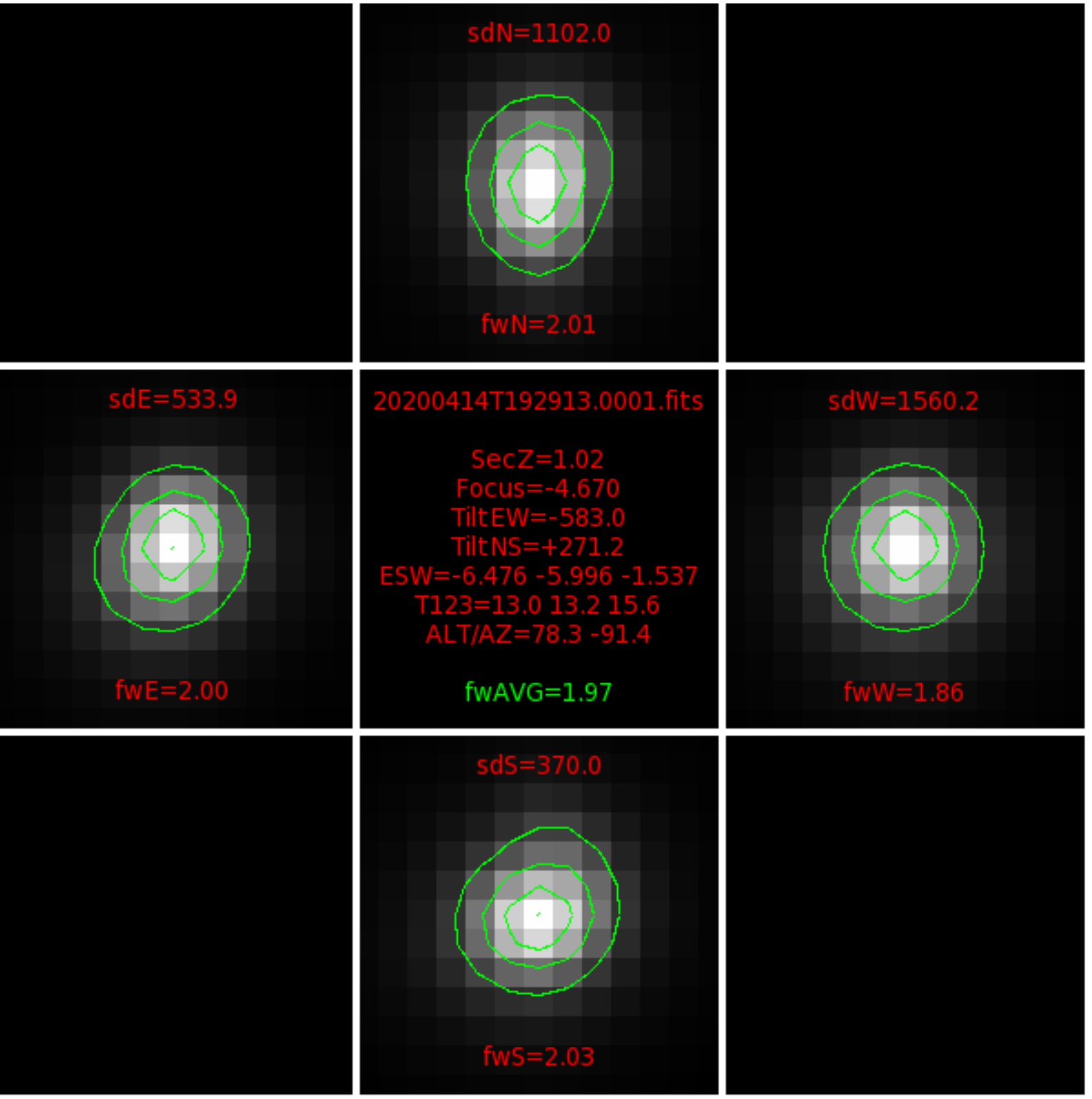
sdN=1102.0
fwN=2.01
sdE=533.9
fwE=2.00
20200414T192913.0001.fits
SecZ=1.02
Focus=-4.670
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.476 -5.996 -1.537
T123=13.0 13.2 15.6
ALT/AZ=78.3 -91.4
fwAVG=1.97
sdW=1560.2
fwW=1.86
sdS=370.0
fwS=2.03
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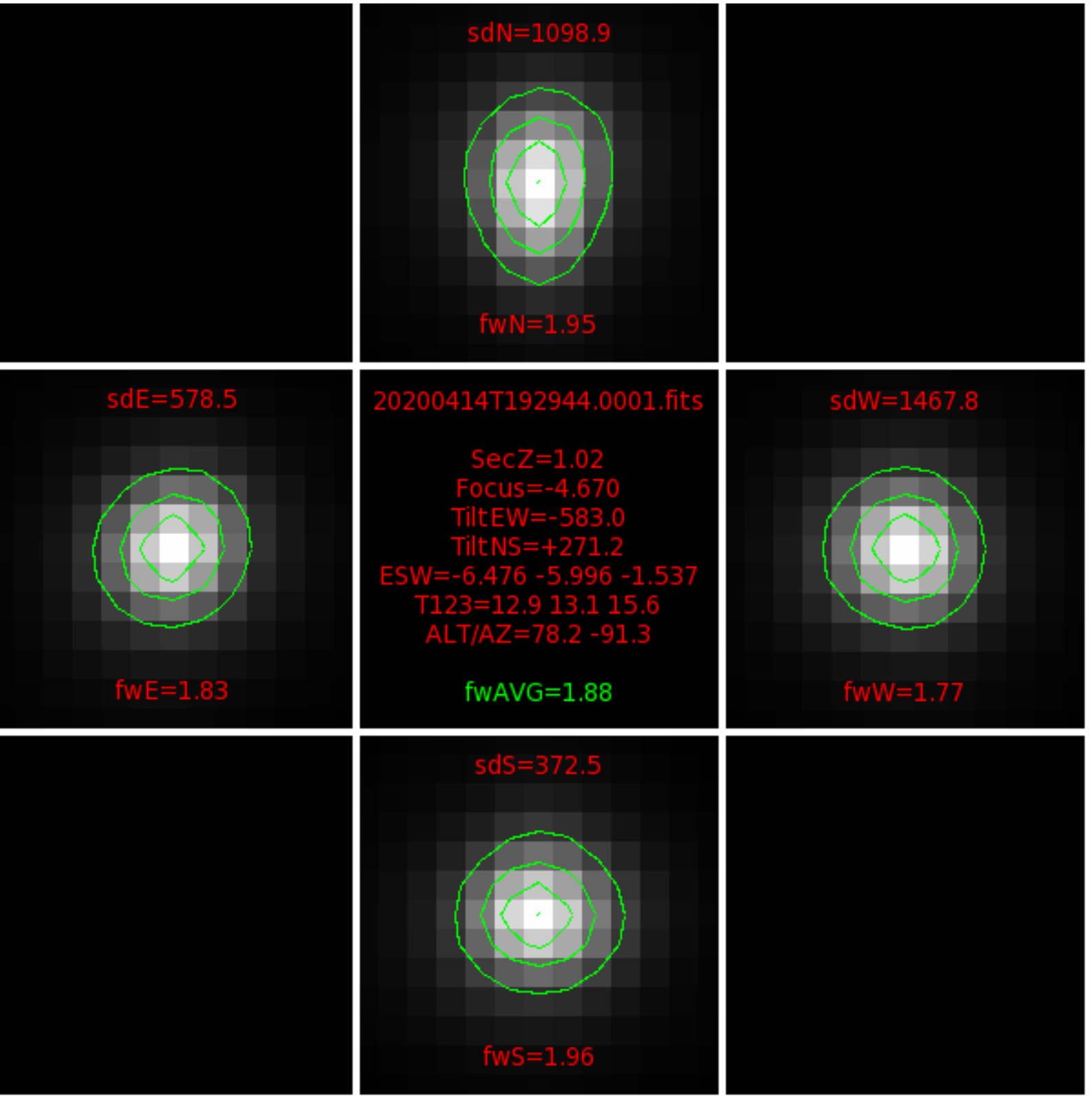
sdN=1098.9
fwN=1.95
sdE=578.5
fwE=1.83
20200414T192944.0001.fits
SecZ=1.02
Focus=-4.670
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.476 -5.996 -1.537
T123=12.9 13.1 15.6
ALT/AZ=78.2 -91.3
fwAVG=1.88
sdW=1467.8
fwW=1.77
sdS=372.5
fwS=1.96
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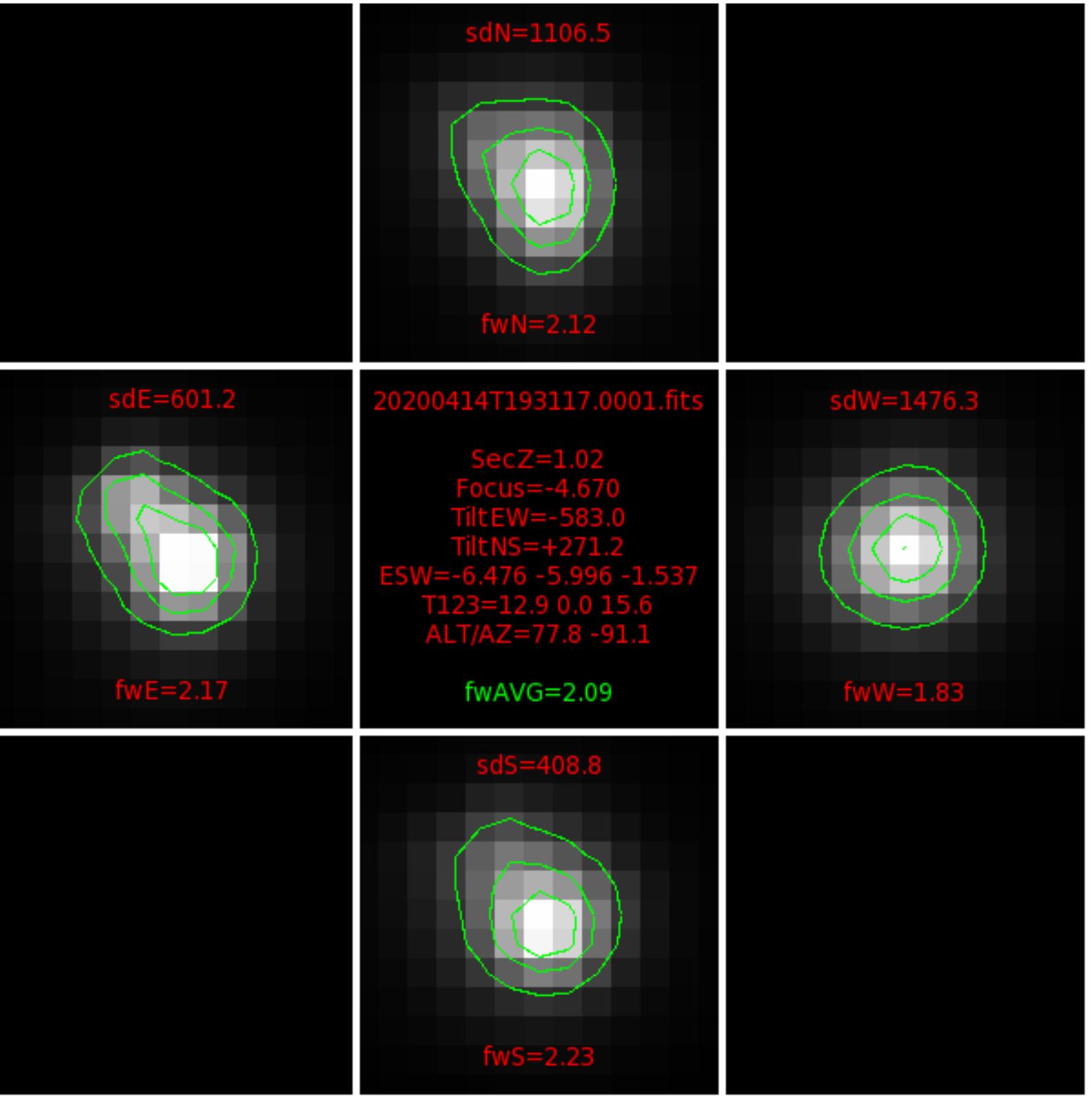
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fwN=2.12
sdE=601.2
fwE=2.17
20200414T193117.0001.fits
SecZ=1.02
Focus=-4.670
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.476 -5.996 -1.537
T123=12.9 0.0 15.6
ALT/AZ=77.8 -91.1
fwAVG=2.09
sdW=1476.3
fwW=1.83
sdS=408.8
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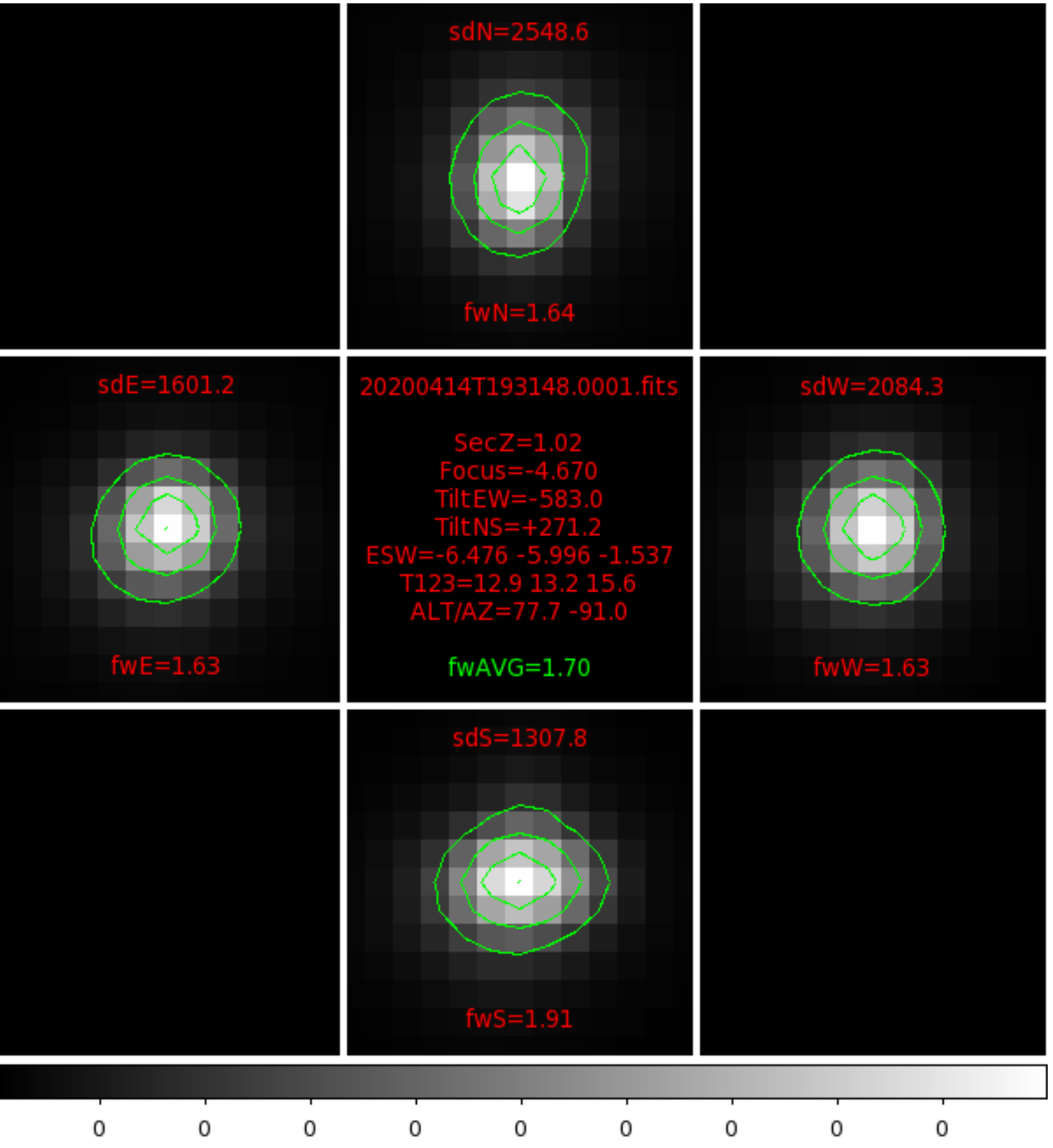
sdN=2548.6
fwN=1.64
sdE=1601.2
fwE=1.63
20200414T193148.0001.fits
SecZ=1.02
Focus=-4.670
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.476 -5.996 -1.537
T123=12.9 13.2 15.6
ALT/AZ=77.7 -91.0
fwAVG=1.70
sdW=2084.3
fwW=1.63
sdS=1307.8
fwS=1.91
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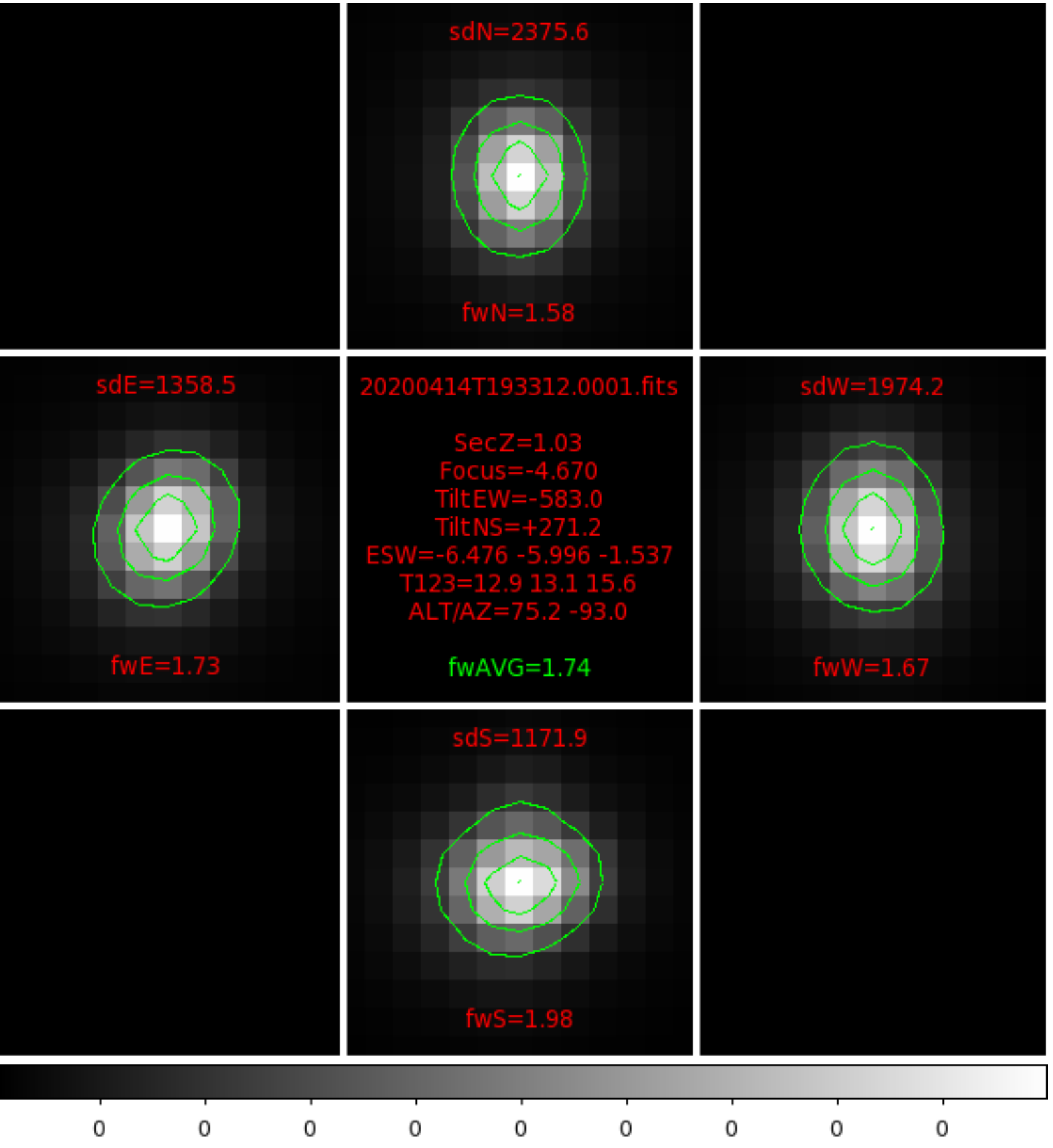
sdN=2375.6
fwN=1.58
sdE=1358.5
fwE=1.73
20200414T193312.0001.fits
SecZ=1.03
Focus=-4.670
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.476 -5.996 -1.537
T123=12.9 13.1 15.6
ALT/AZ=75.2 -93.0
fwAVG=1.74
sdW=1974.2
fwW=1.67
sdS=1171.9
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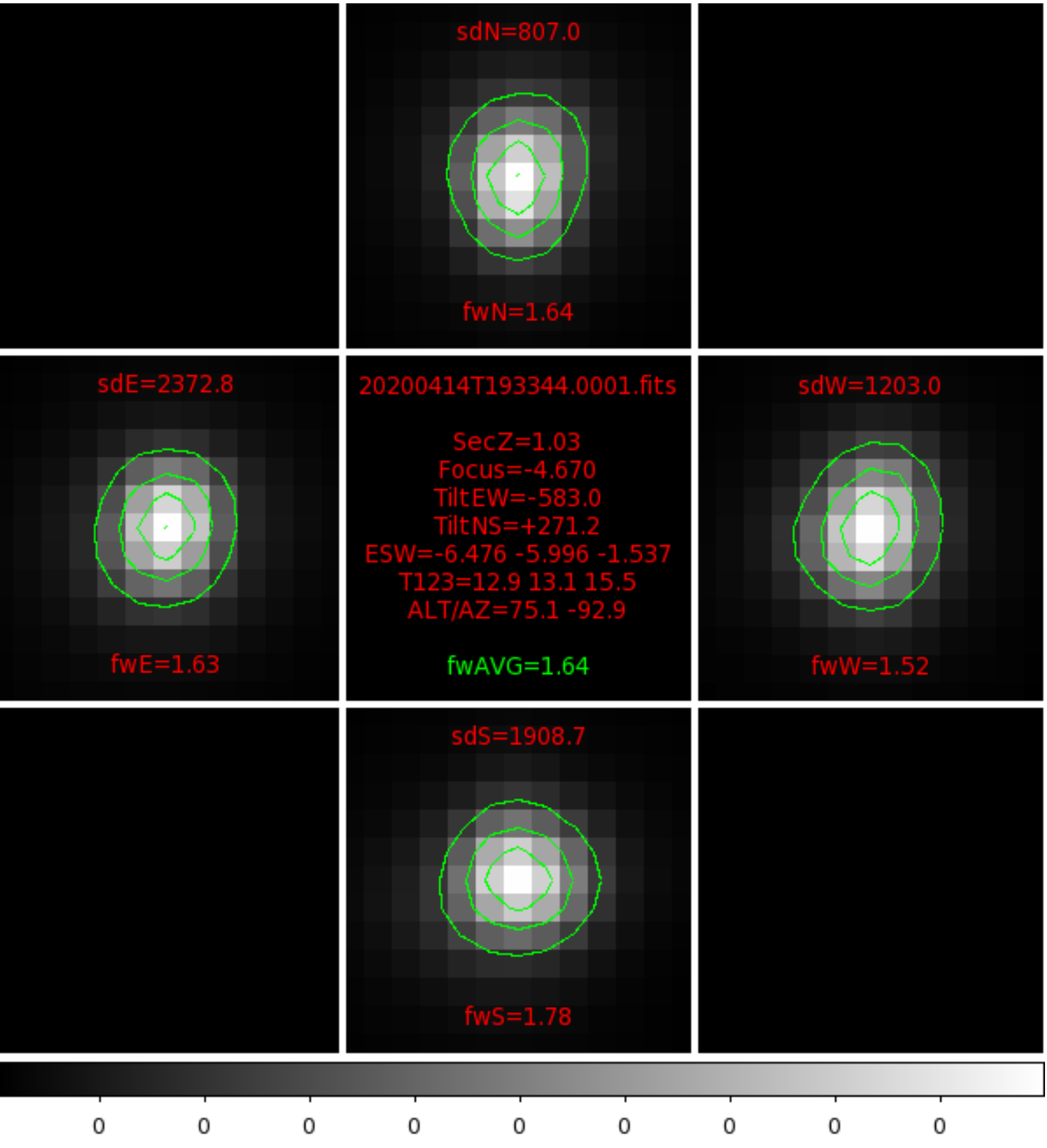
sdN=807.0
fwN=1.64
sdE=2372.8
fwE=1.63
20200414T193344.0001.fits
SecZ=1.03
Focus=-4.670
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.476 -5.996 -1.537
T123=12.9 13.1 15.5
ALT/AZ=75.1 -92.9
fwAVG=1.64
sdW=1203.0
fwW=1.52
sdS=1908.7
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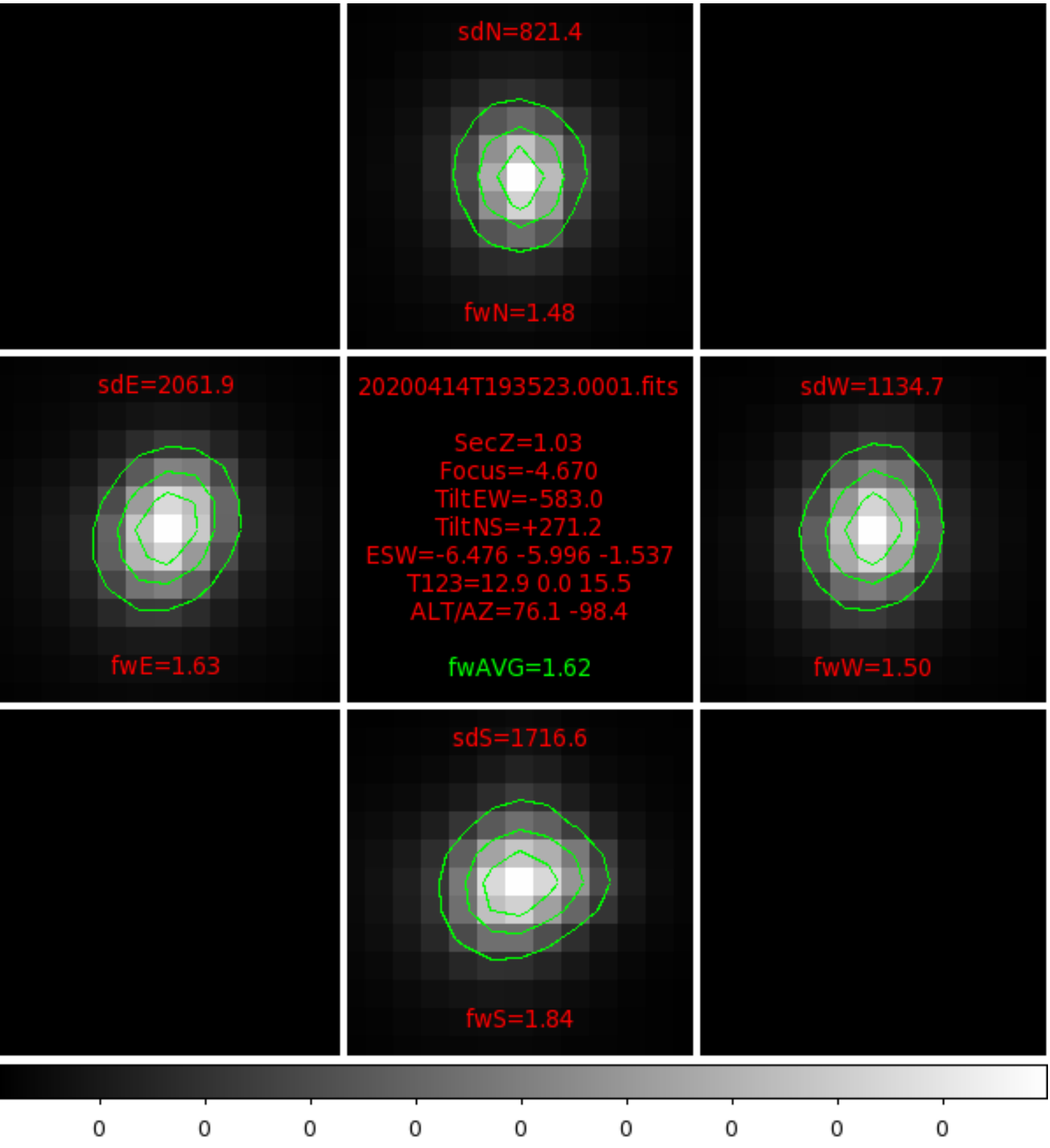
sdN=821.4
fwN=1.48
sdE=2061.9
fwE=1.63
20200414T193523.0001.fits
SecZ=1.03
Focus=-4.670
TiltEW=-583.0
TiltNS=+271.2
ESW=-6.476 -5.996 -1.537
T123=12.9 0.0 15.5
ALT/AZ=76.1 -98.4
fwAVG=1.62
sdW=1134.7
fwW=1.50
sdS=1716.6
fwS=1.84
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