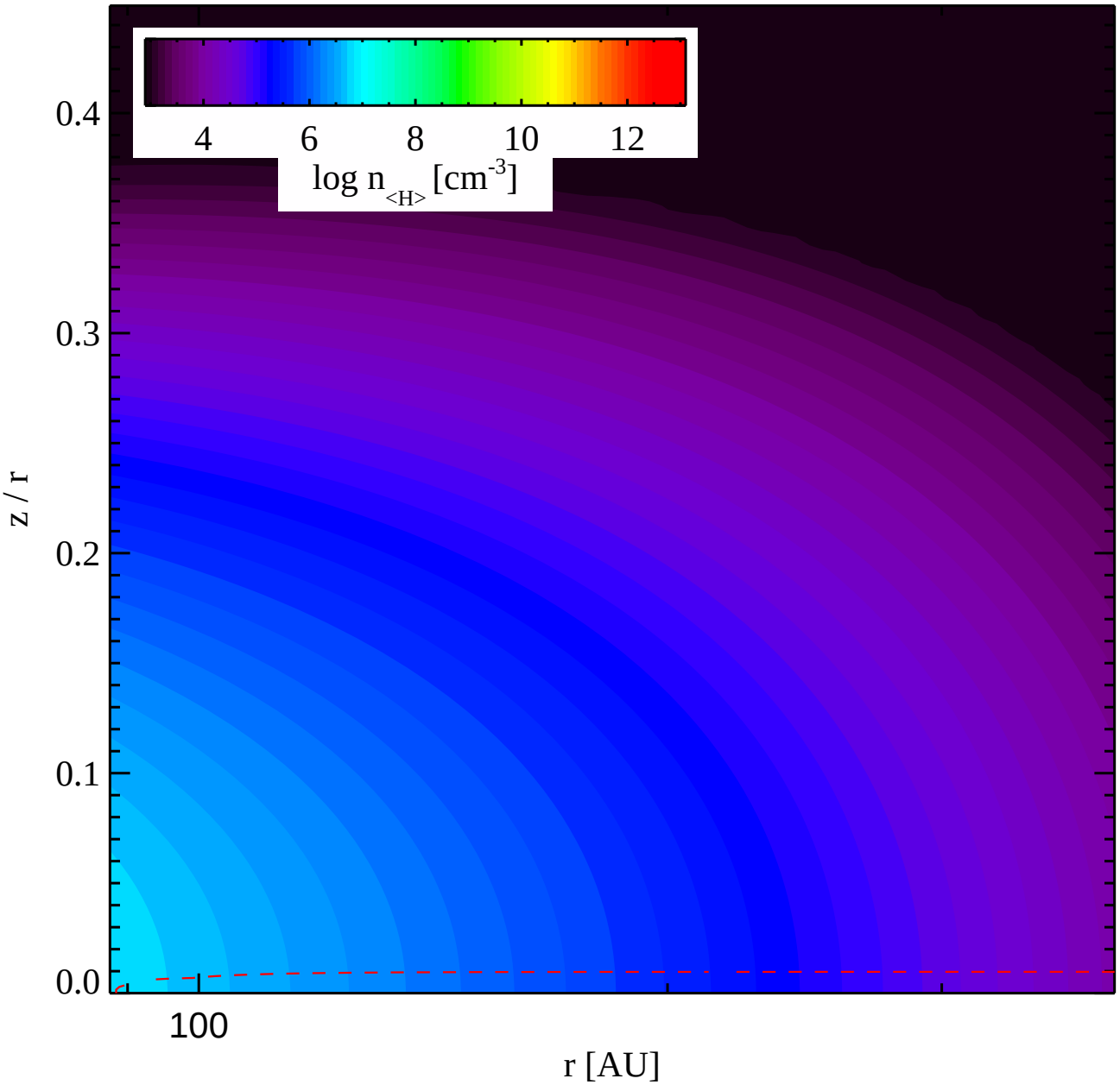
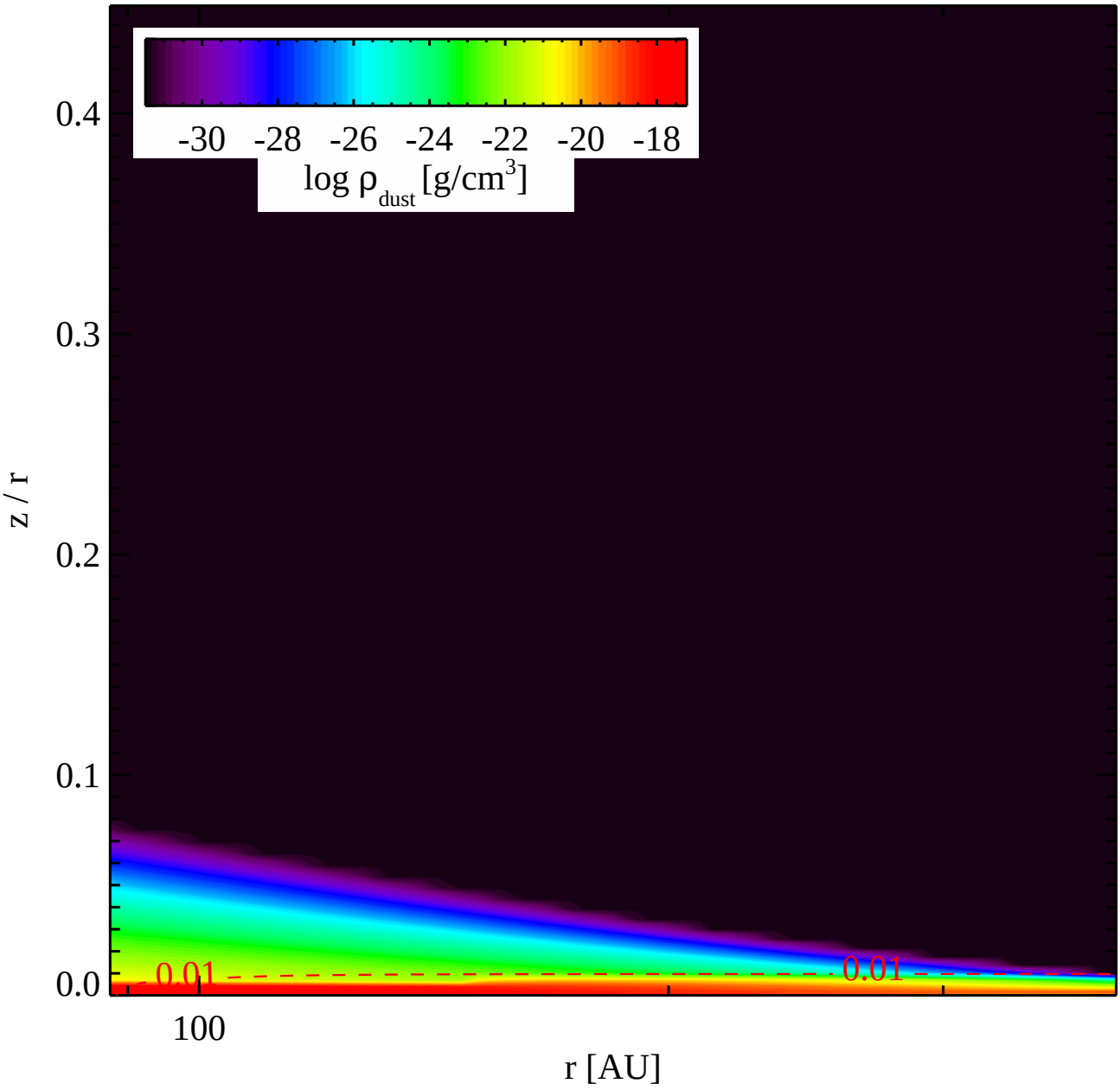
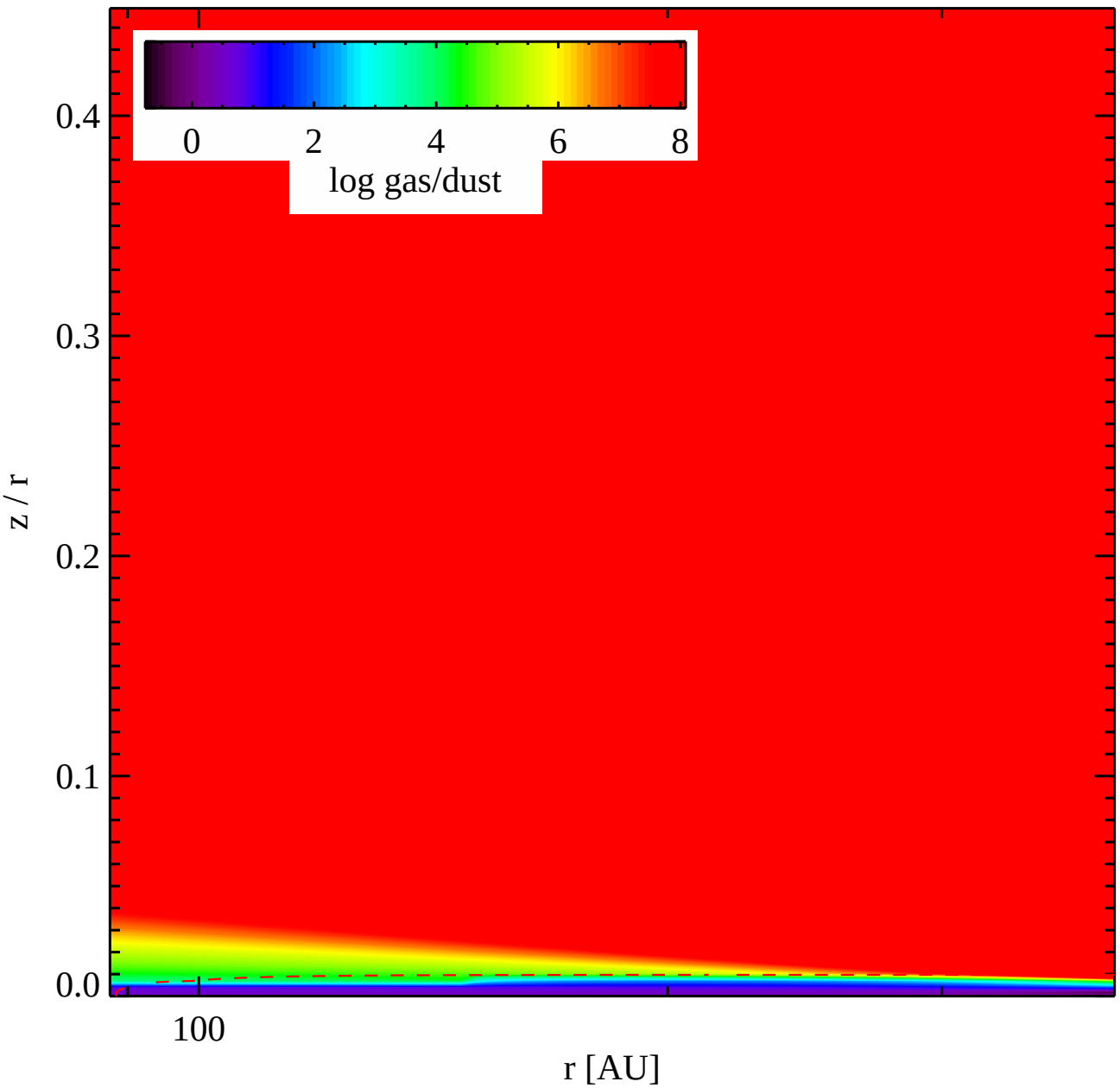
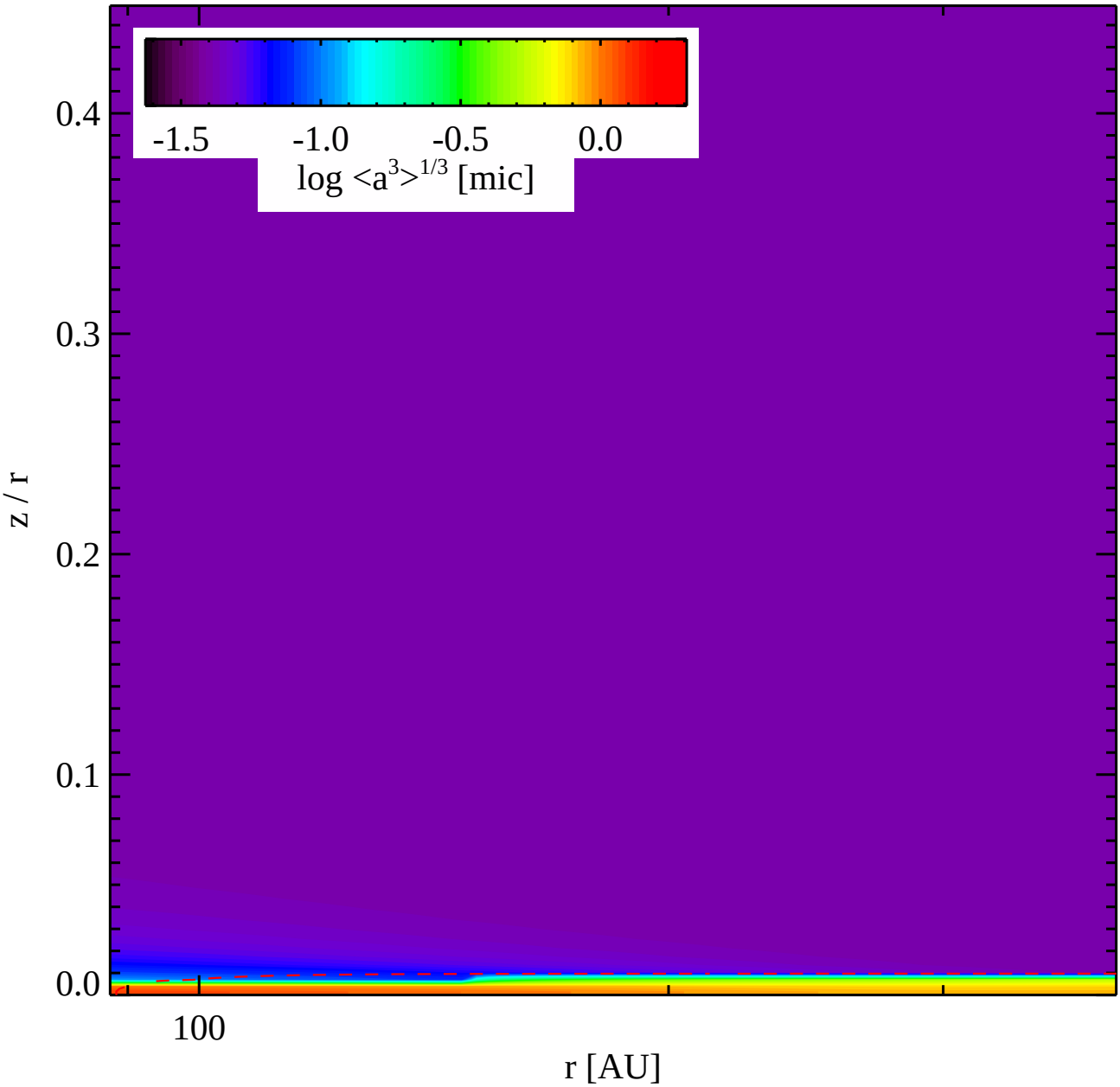
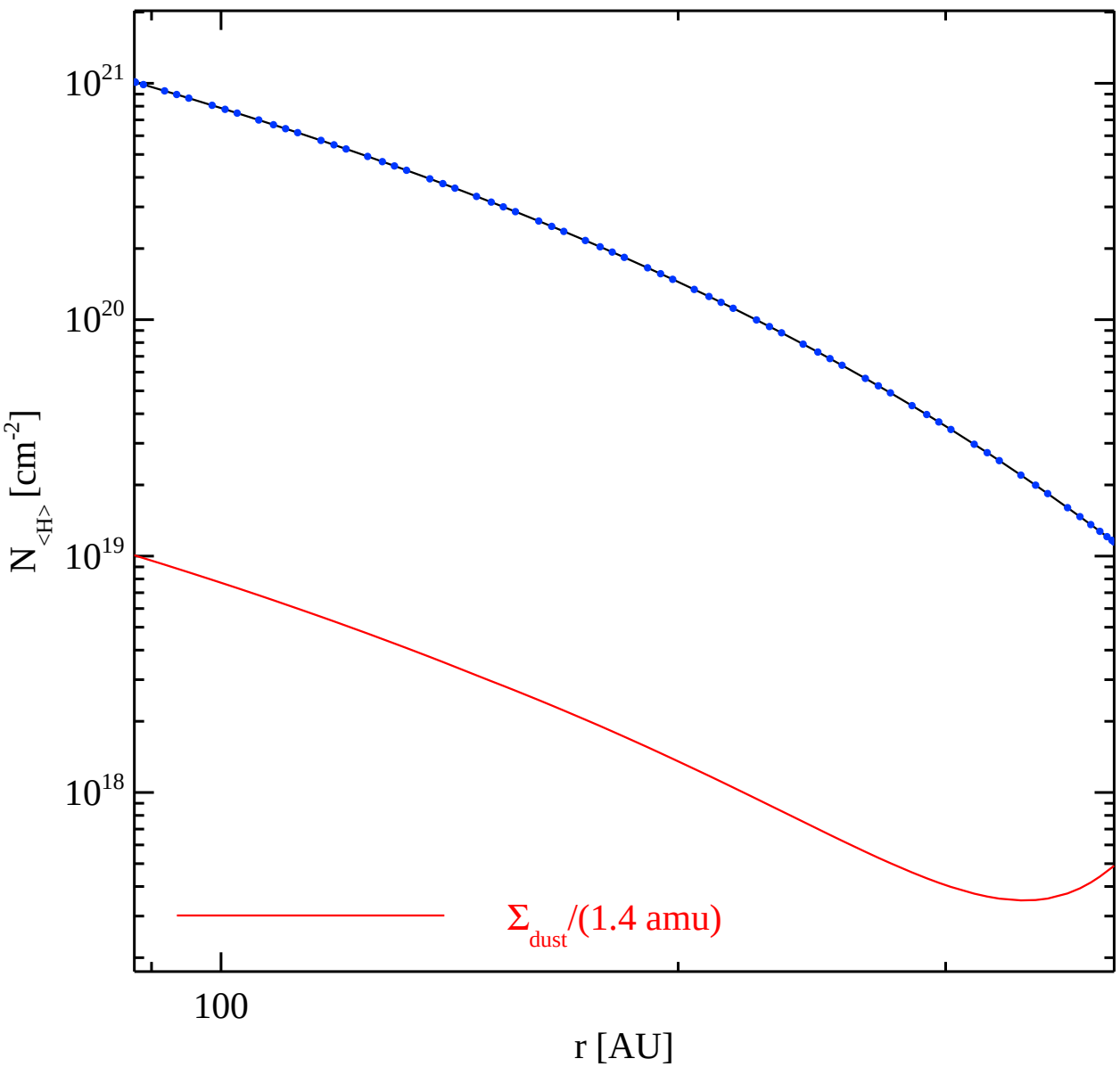
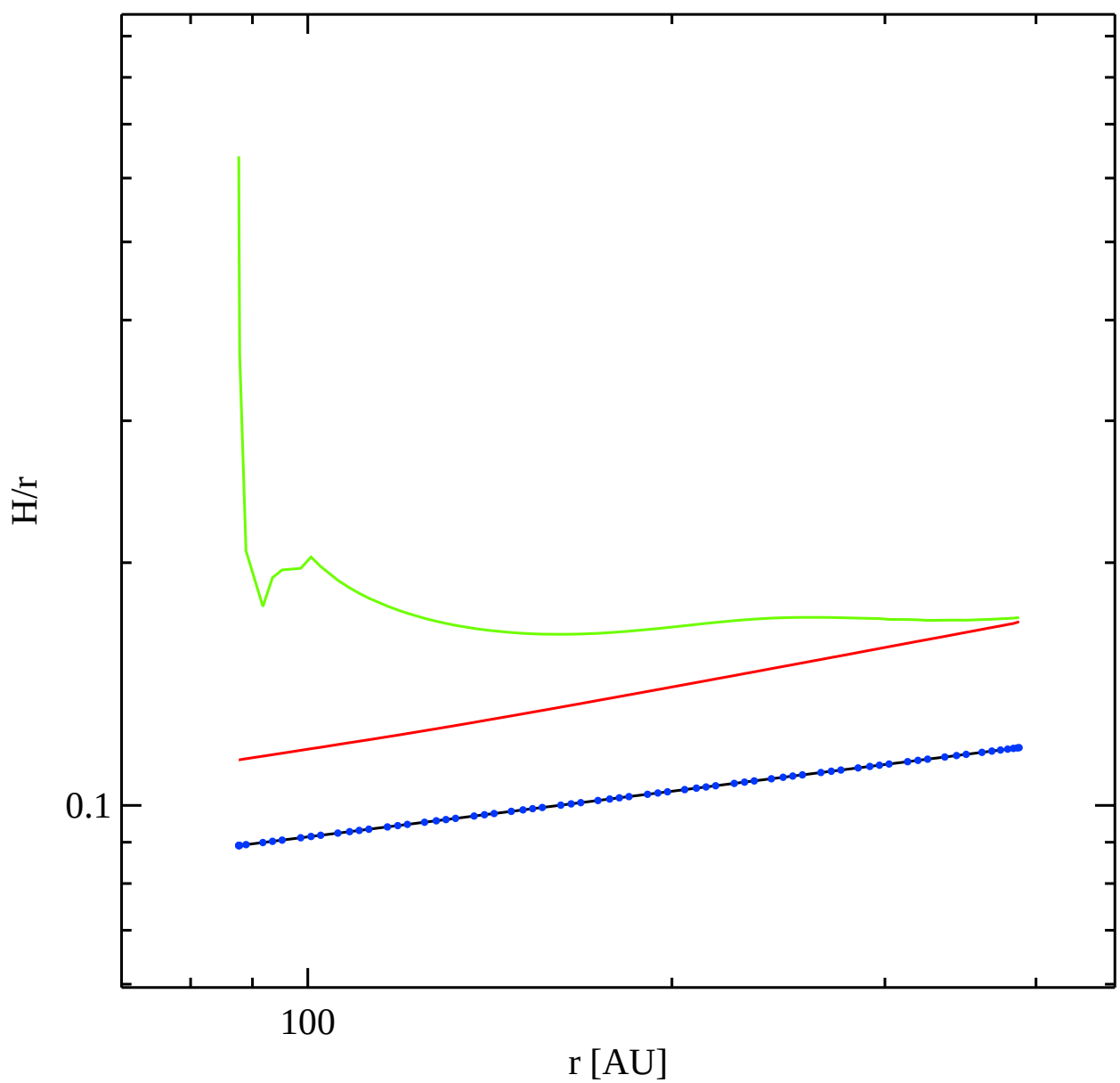

4
6
8
10
12
log n<H> [cm-3]
0.4
0.3
0.2
0.1
0.0
z / r
100
r [AU]

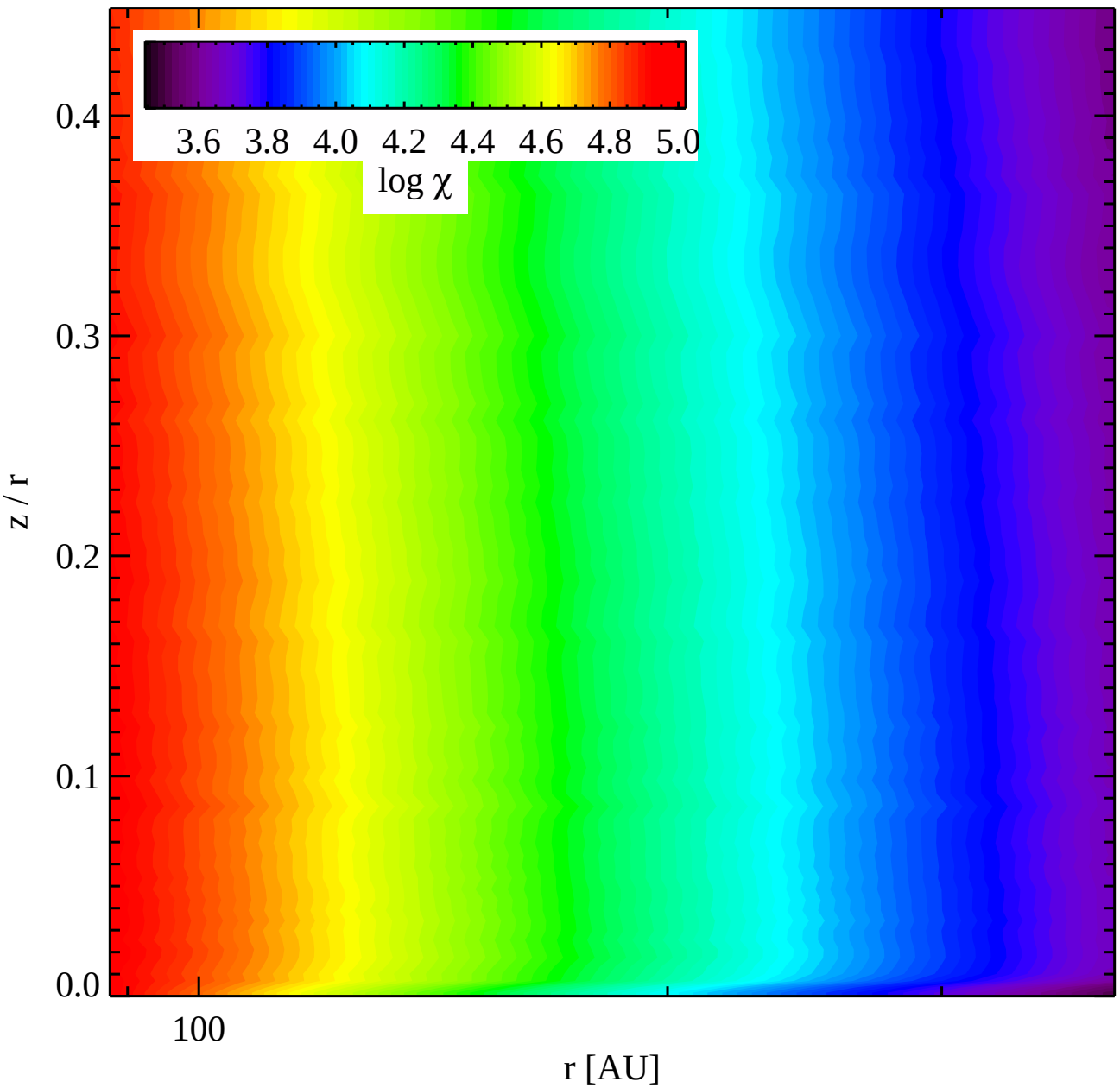

-30 -28 -26 -24 -22 -20 -18
log ρ dust [g/cm3]
0.4
0.3
0.2
0.1
0.0
z / r
0.01
0.01
100
r [AU]

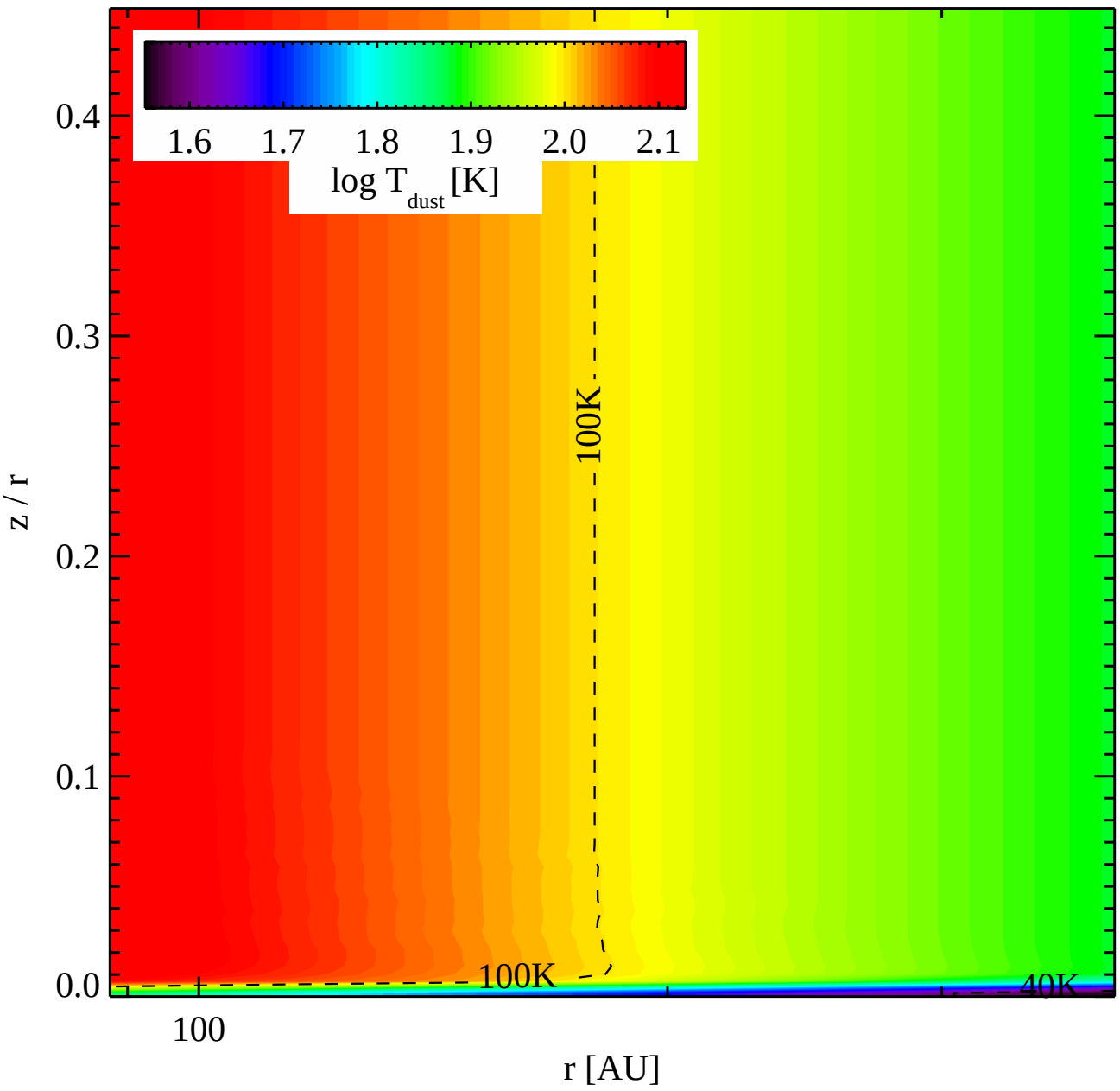

0
2
4
6
8
log gas/dust
0.4
0.3
0.2
0.1
0.0
z / r
100
r [AU]

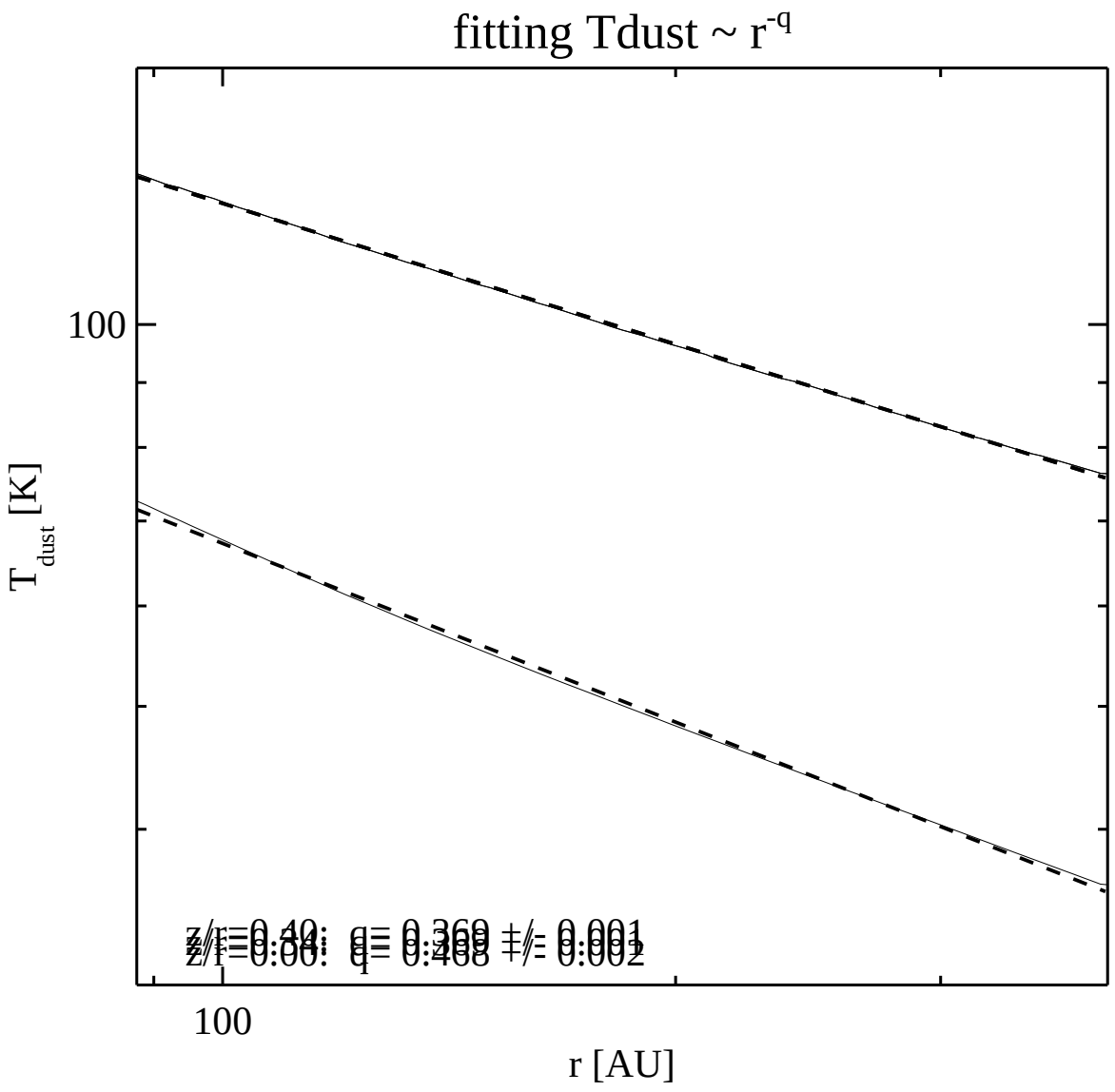

-1.5
-1.0
-0.5
0.0
log <a^3>^1/3 [mic]
0.4
0.3
0.2
0.1
0.0
z / r
100
r [AU]

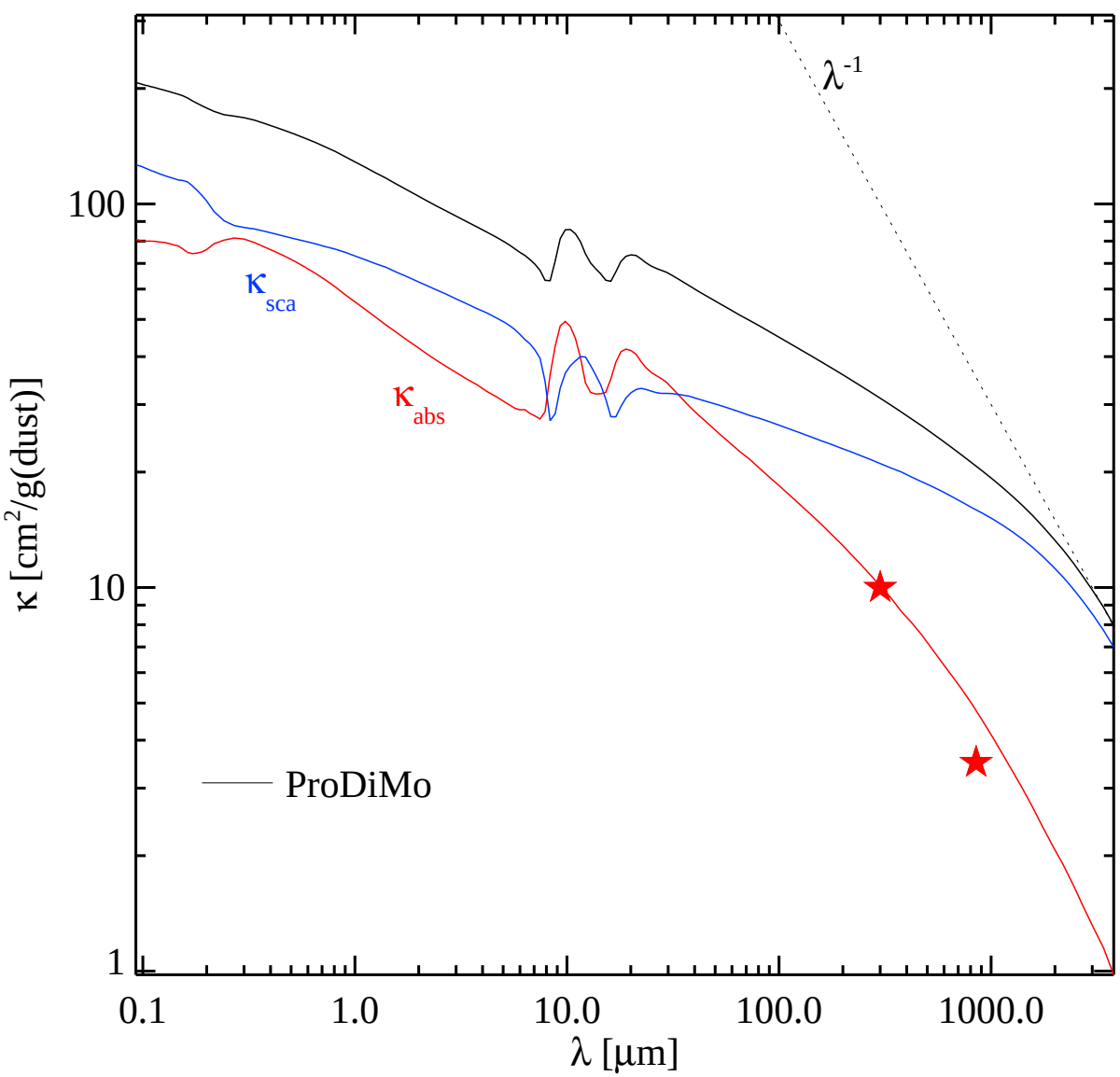

10^{21}
10^{20}
10^{19}
10^{18}
$N_{<H>}$ [cm^{-2}]
100
r [AU]
Σ_{dust}/(1.4 amu)

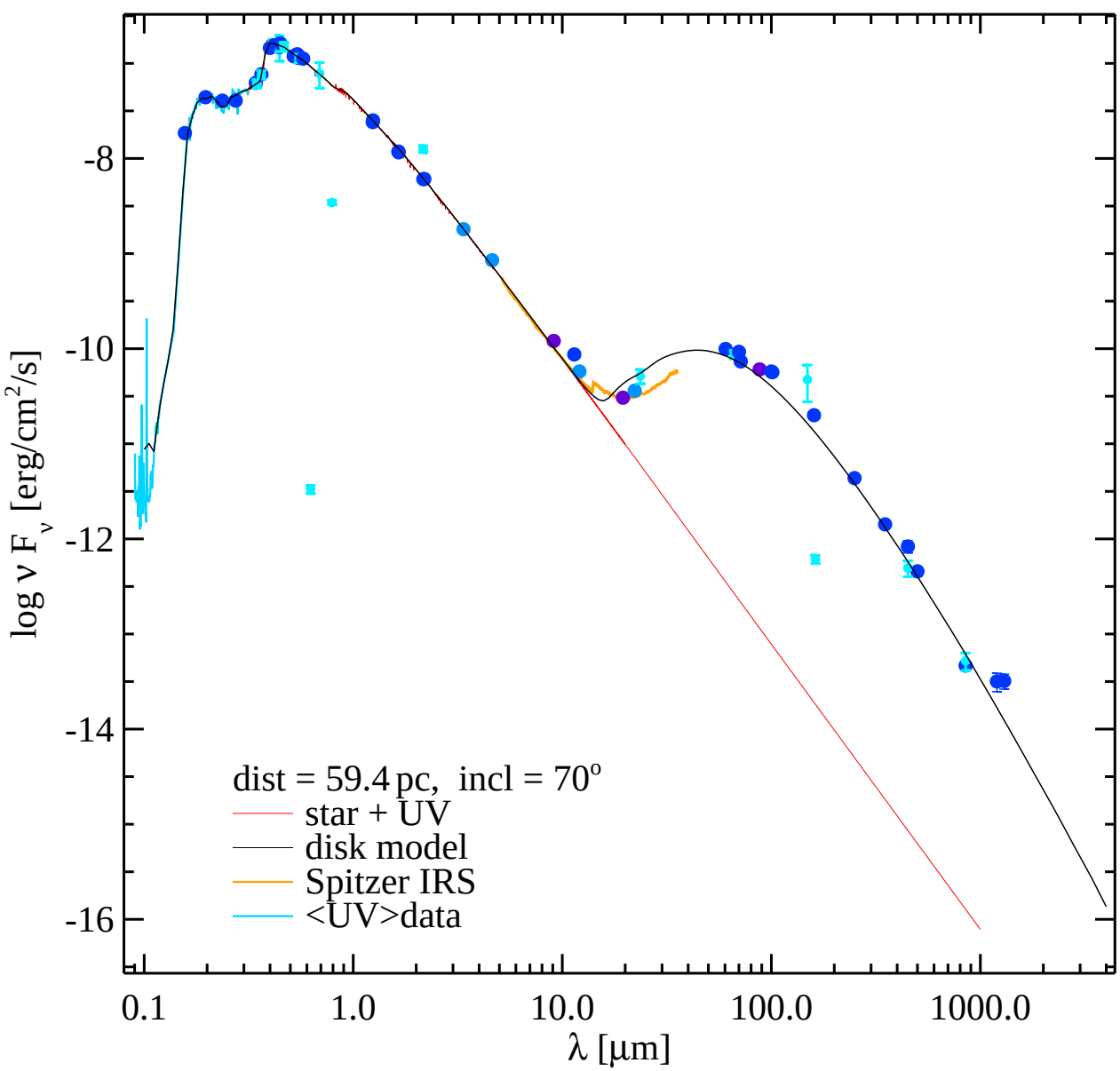

H/r
0.1
100
r [AU]

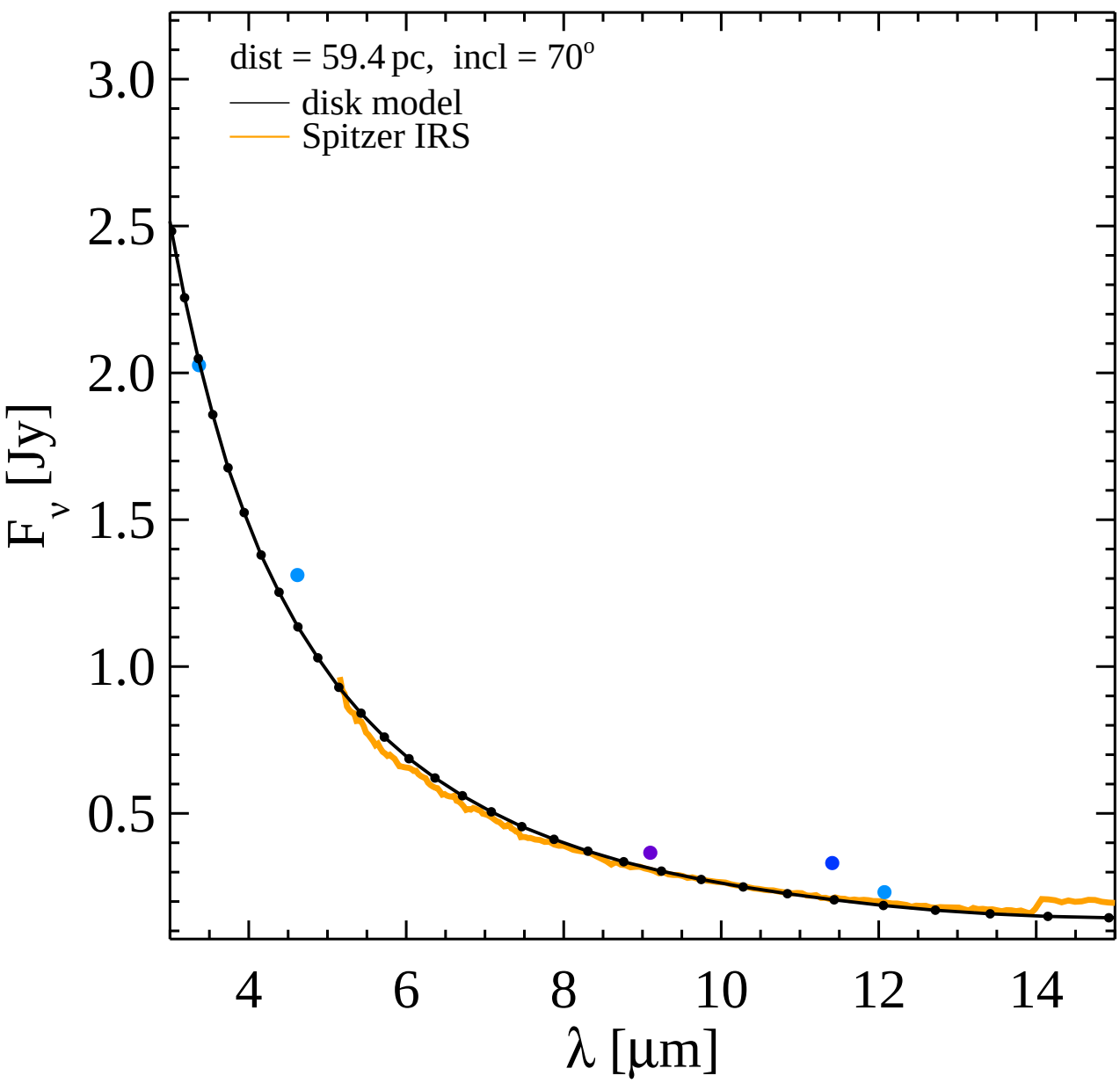

3.6 3.8 4.0 4.2 4.4 4.6 4.8 5.0
log χ
0.4
0.3
0.2
0.1
0.0
z / r
100
r [AU]

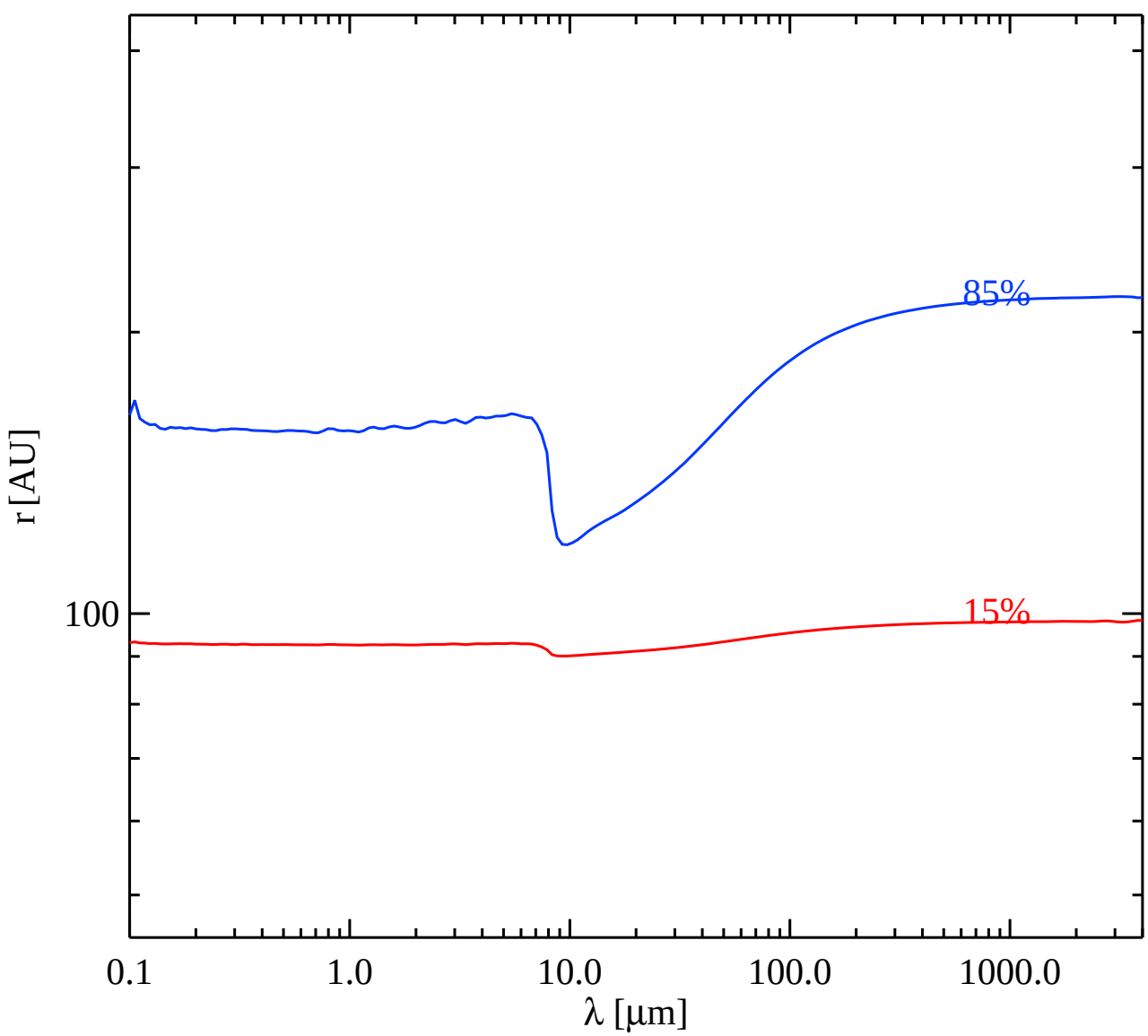

1.6
1.7
1.8
1.9
2.0
2.1
log T dust [K]
0.4
0.3
0.2
0.1
0.0
z / r
100K
100K
40K
100
r [AU]

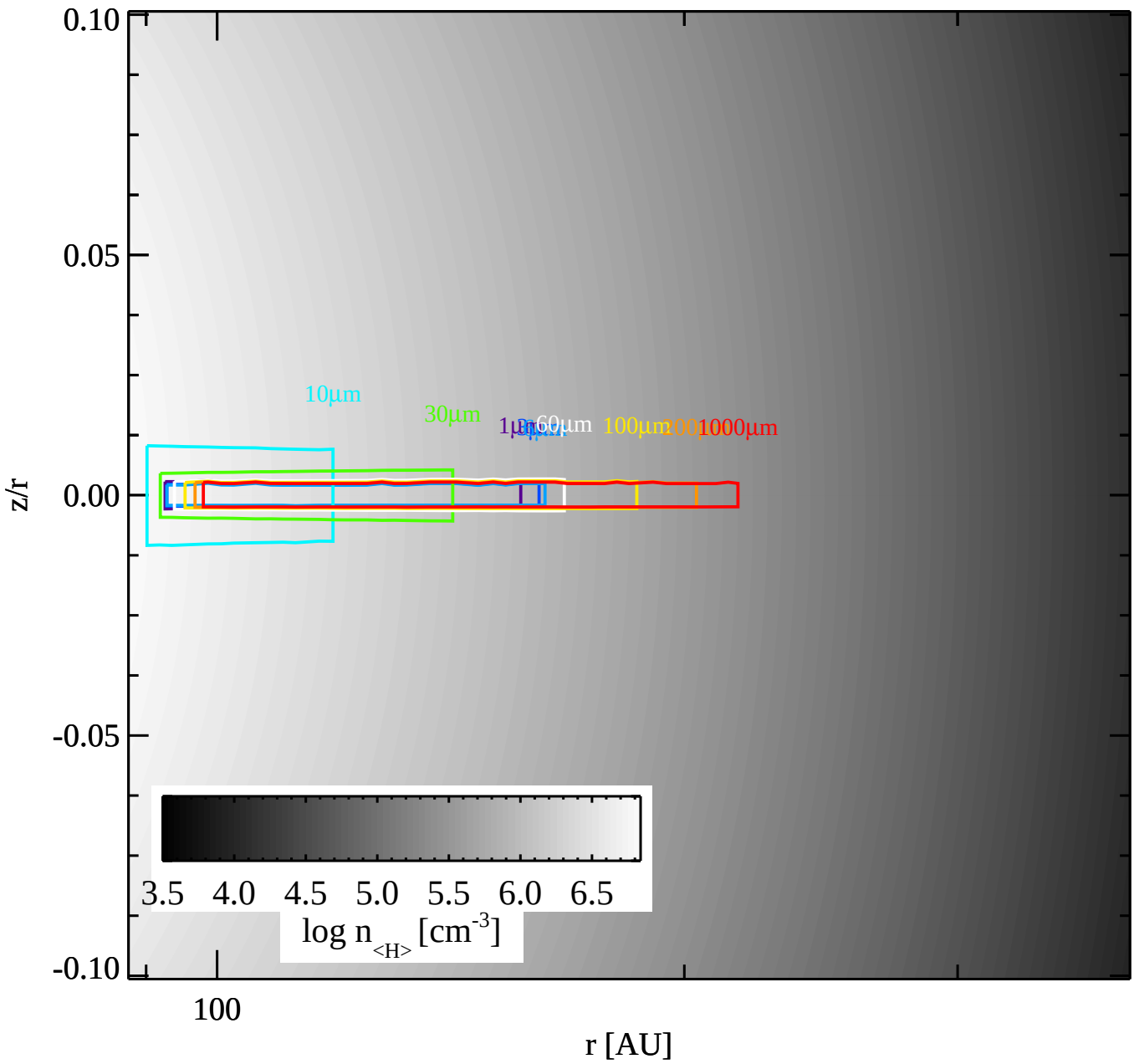

fitting Tdust ~ r^-q
100
T dust [K]
z/r=0.40: q= 0.360 +/- 0.001
z/r=0.00: q= 0.488 +/- 0.002
100
r [AU]

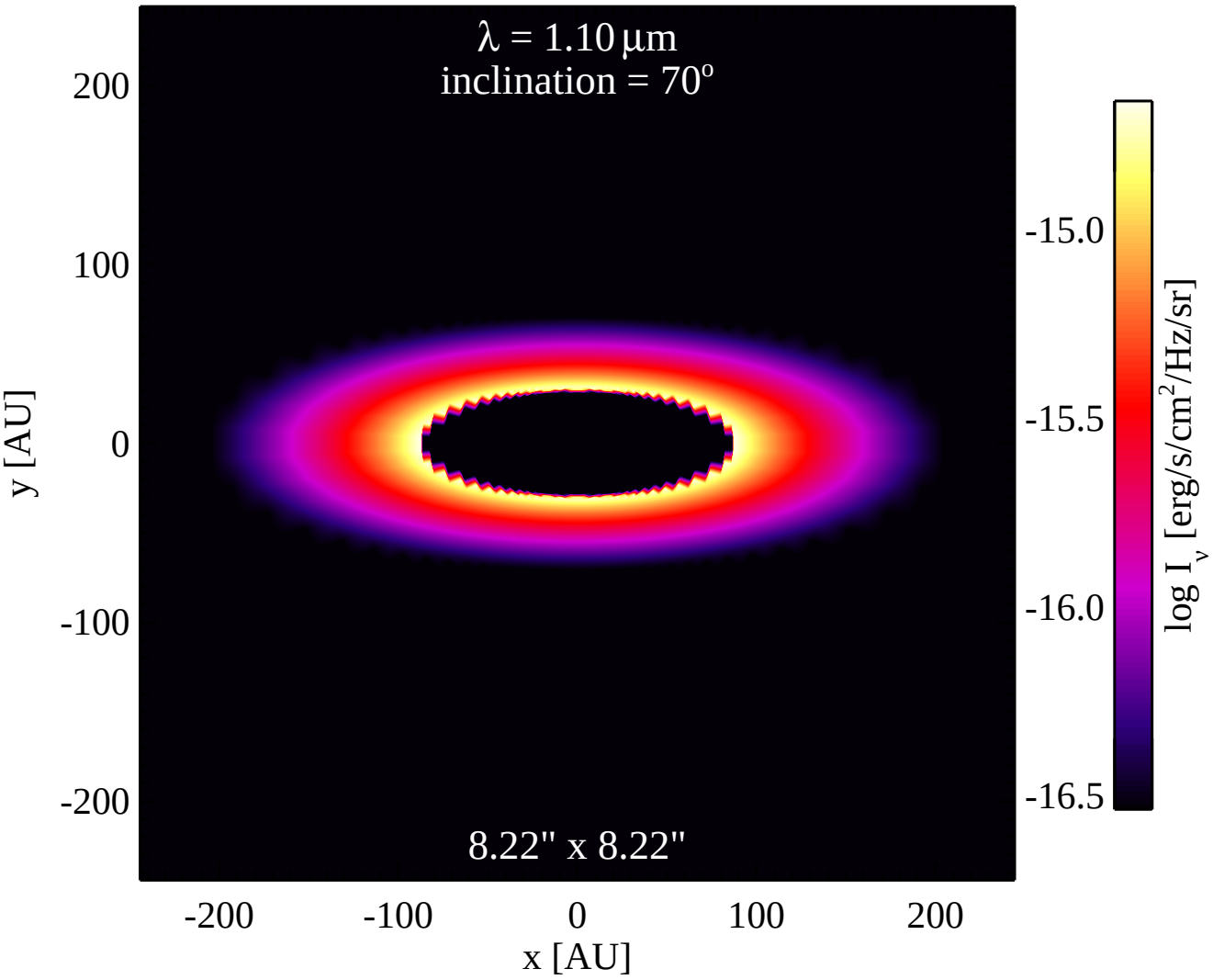

λ^-1
100
10
1
κ [cm²/g(dust)]
κ sca
κ abs
ProDiMo
0.1
1.0
10.0
100.0
1000.0
λ [μm]

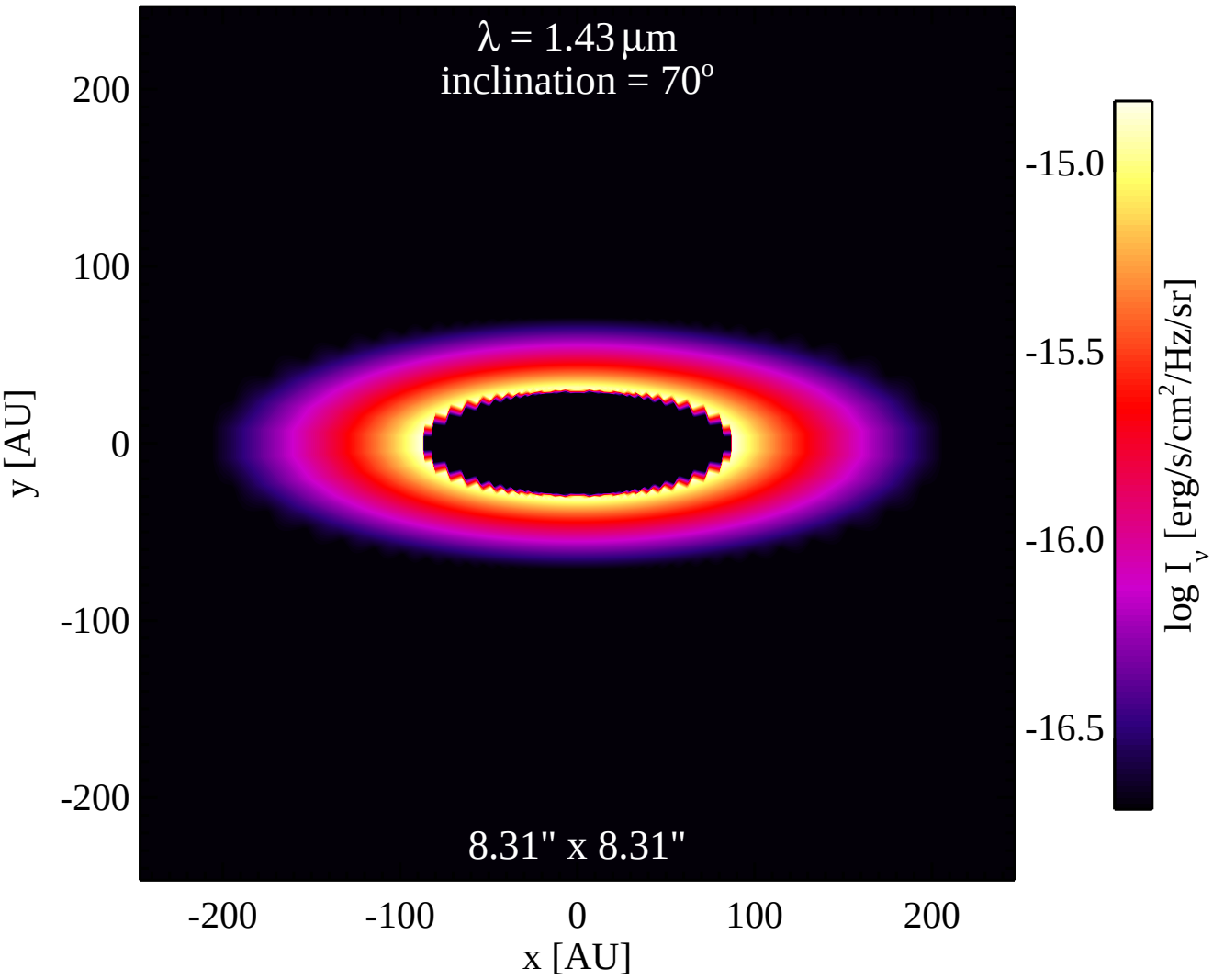

-8
-10
-12
-14
-16
log ν F_ν [erg/cm²/s]
0.1
1.0
10.0
100.0
1000.0
λ [μm]
dist = 59.4 pc, incl = 70°
star + UV
disk model
Spitzer IRS
<UV>data

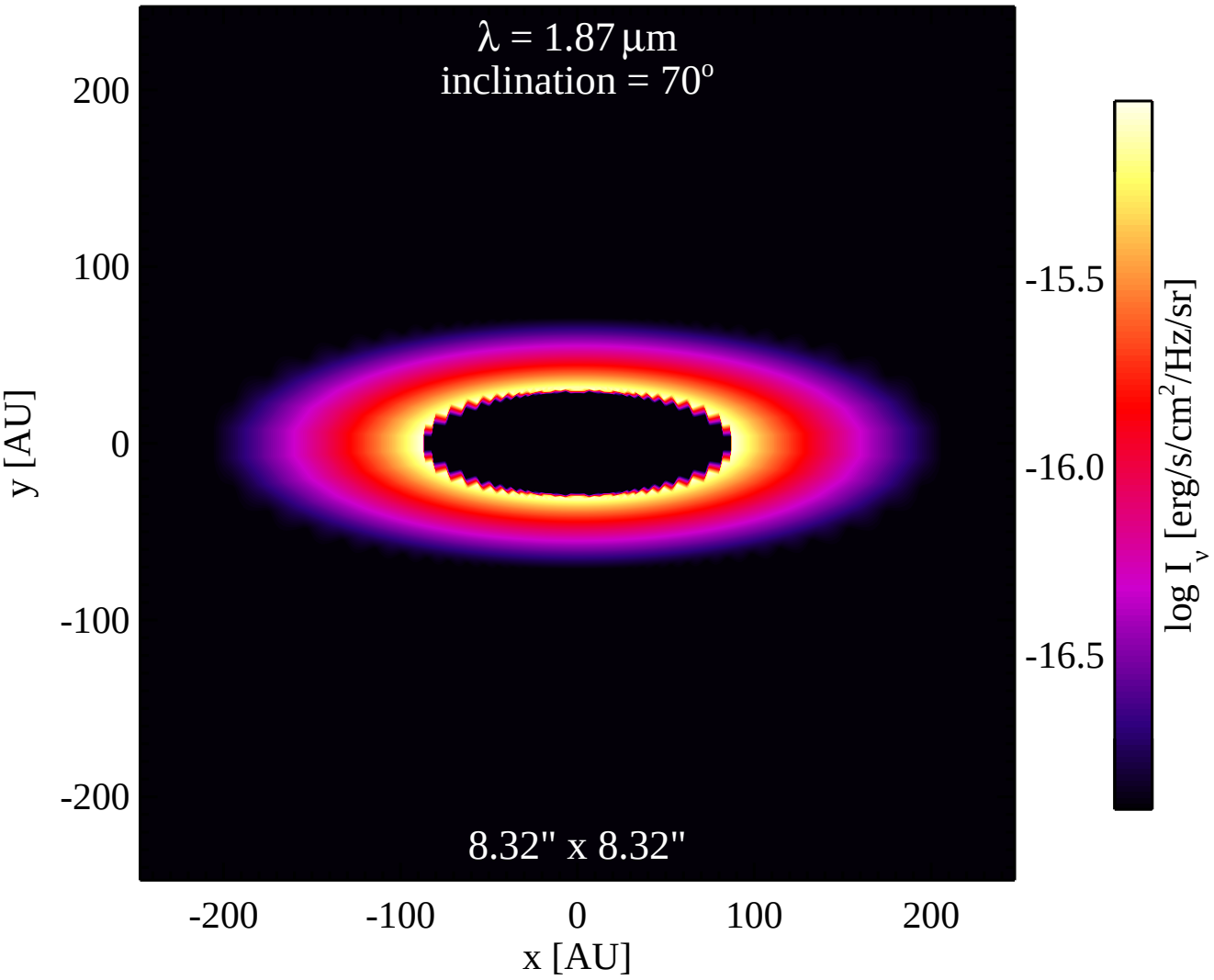

dist = 59.4 pc, incl = 70°
disk model
Spitzer IRS
3.0
2.5
2.0
1.5
1.0
0.5
F_ν [Jy]
4
6
8
10
12
14
λ [μm]

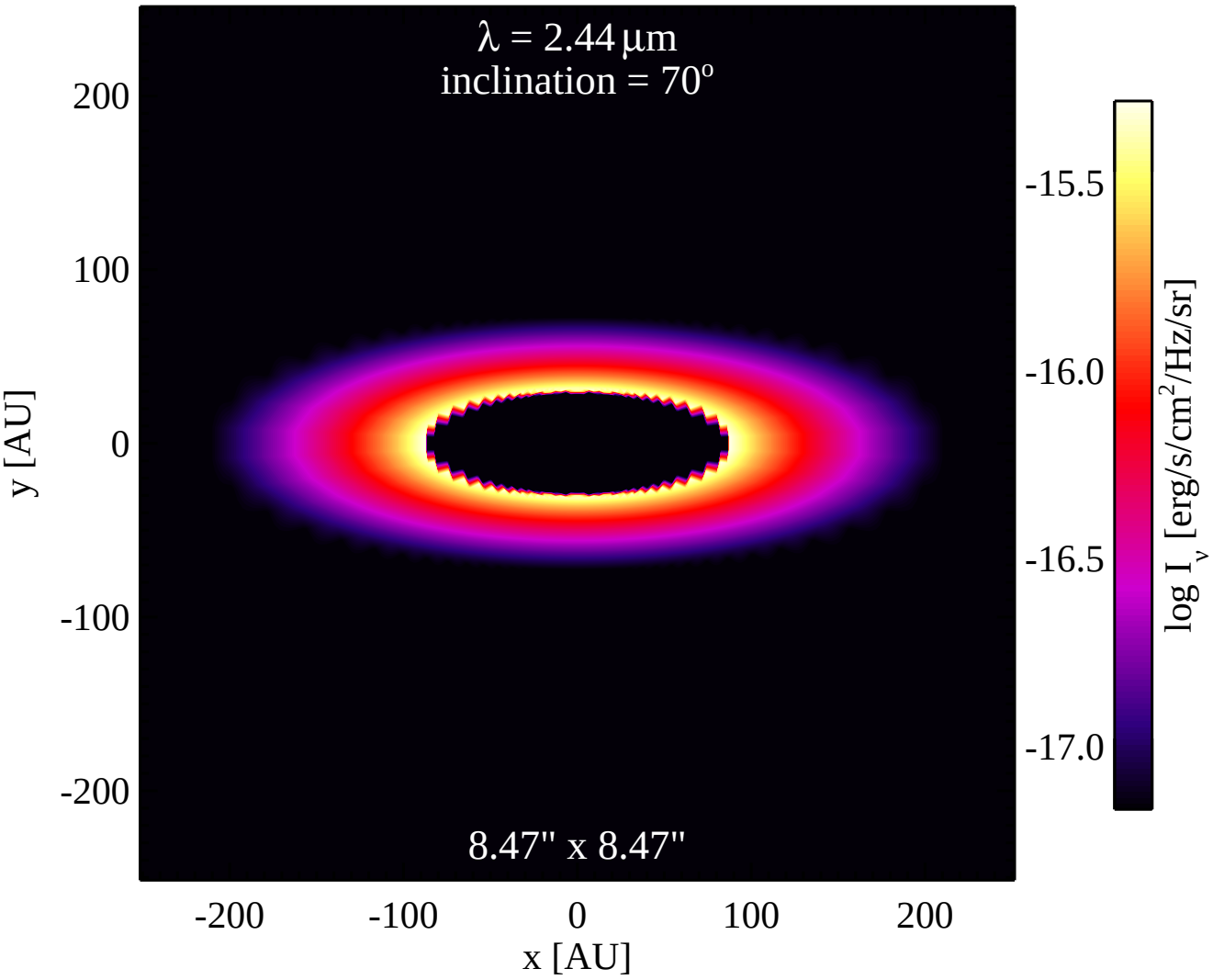

r [AU]
100
85%
15%
0.1
1.0
10.0
100.0
1000.0
λ [μm]

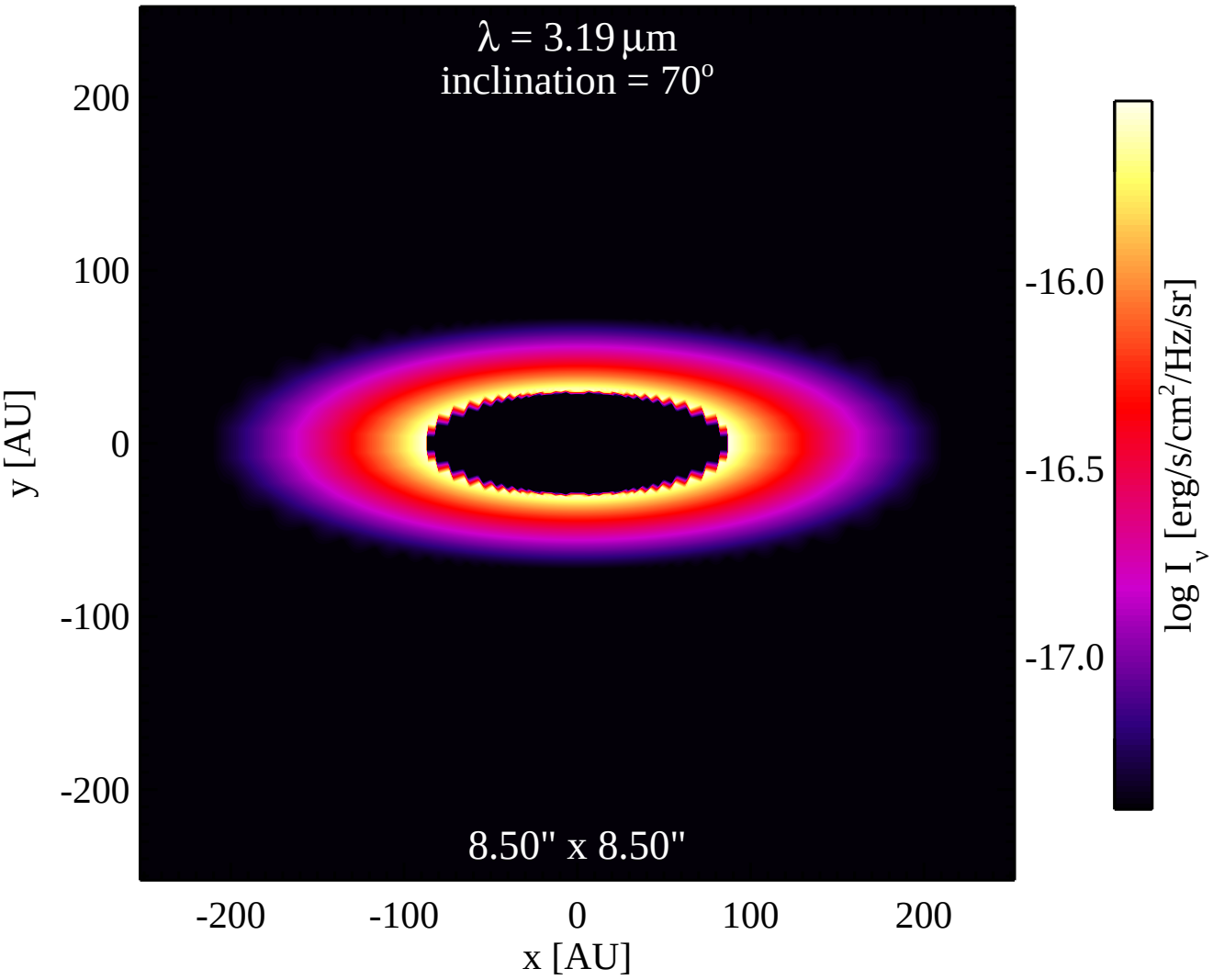

0.10
0.05
0.00
-0.05
-0.10
z/r
100
r [AU]
10µm
30µm
60µm
100µm
1000µm
3.5
4.0
4.5
5.0
5.5
6.0
6.5
log n<H> [cm-3]

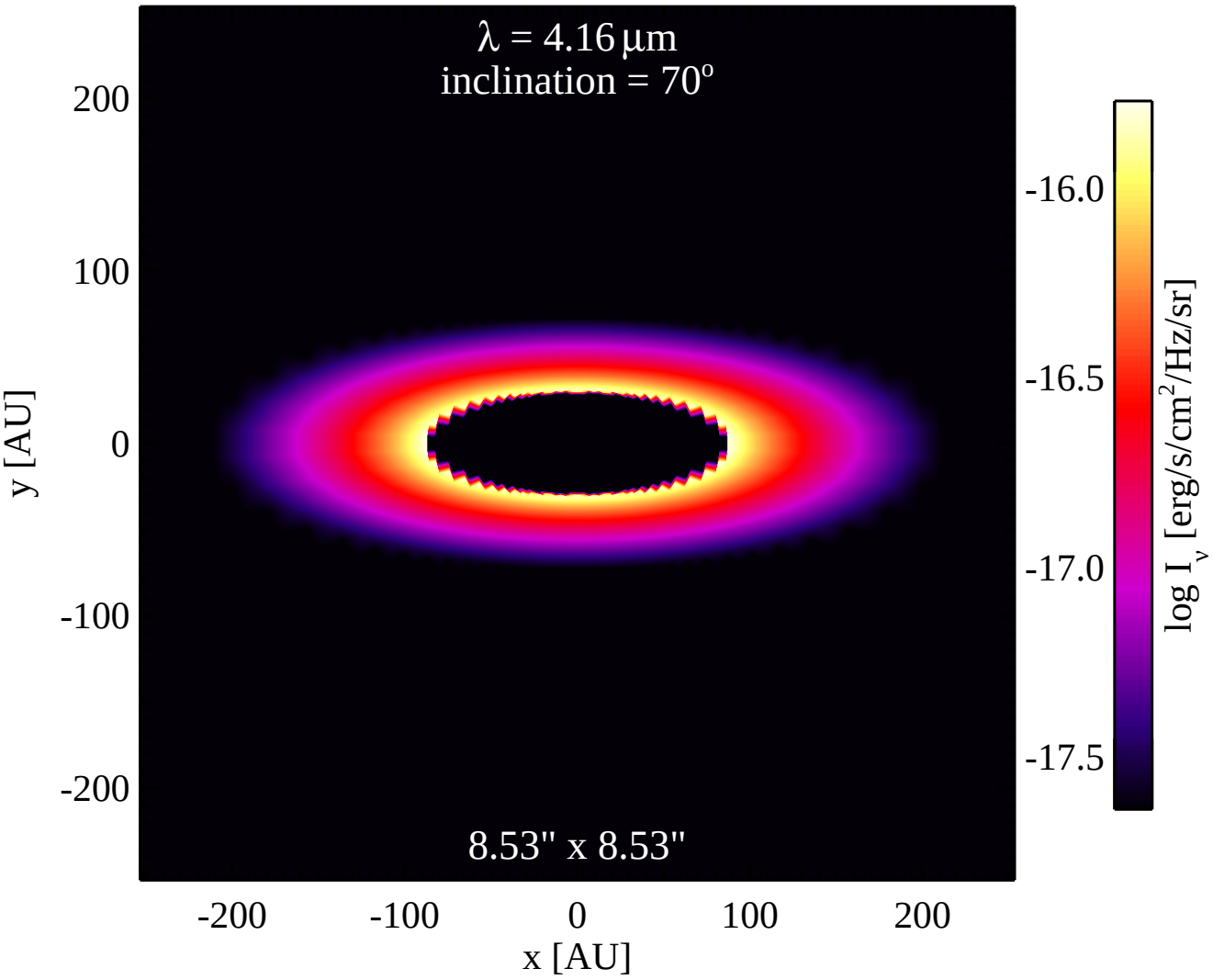

λ = 1.10 μm
inclination = 70°
8.22" x 8.22"
200
100
0
-100
-200
y [AU]
-200
-100
0
100
200
x [AU]
-15.0
-15.5
-16.0
-16.5
log I_ν [erg/s/cm²/Hz/sr]

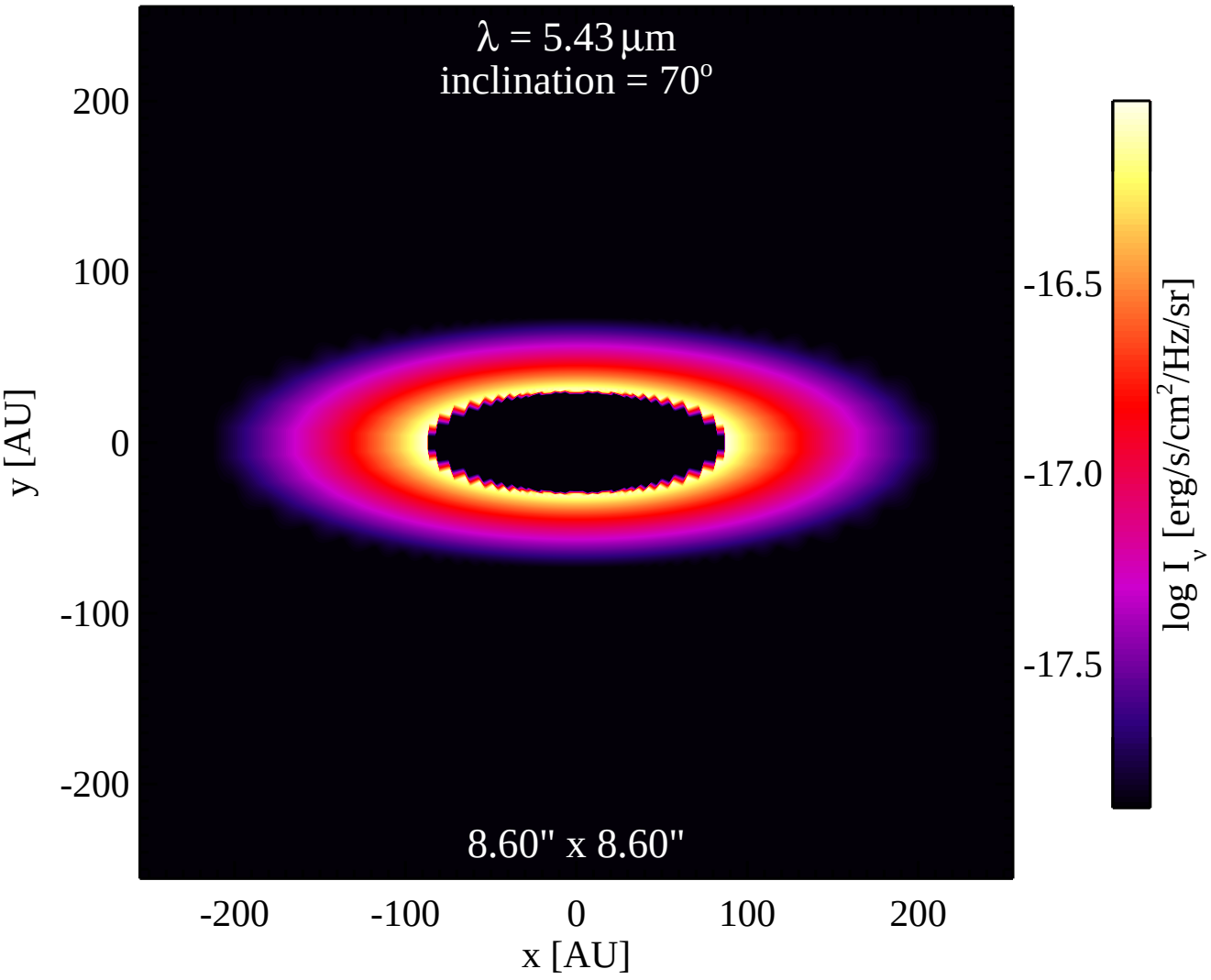

λ = 1.43 μm
inclination = 70°
8.31" x 8.31"
200
100
0
-100
-200
y [AU]
-200
-100
0
100
200
x [AU]
-15.0
-15.5
-16.0
-16.5
log I_ν [erg/s/cm²/Hz/sr]

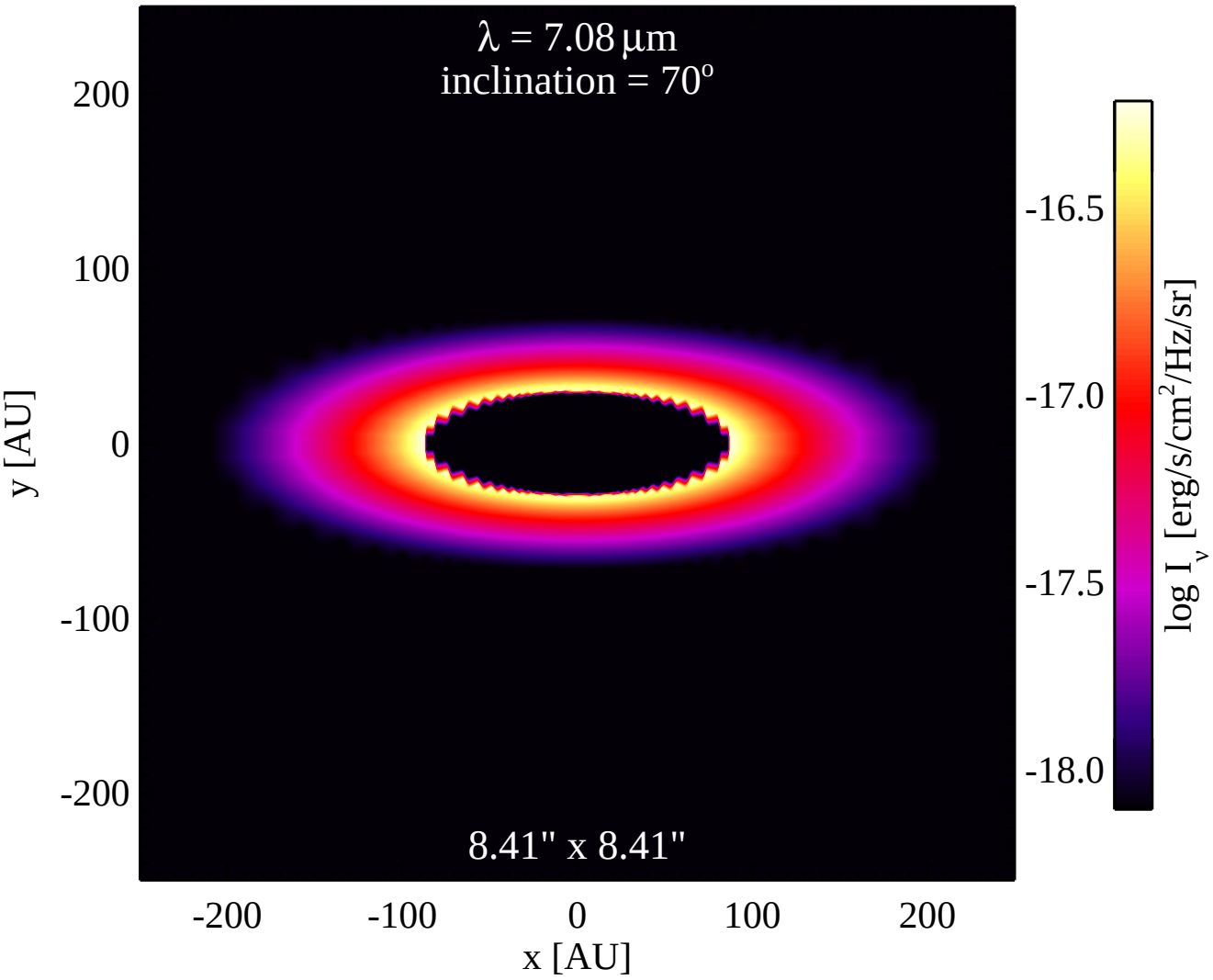

λ = 1.87 μm
inclination = 70°
8.32" x 8.32"
200
100
0
-100
-200
y [AU]
-200
-100
0
100
200
x [AU]
-15.5
-16.0
-16.5
log I_ν [erg/s/cm²/Hz/sr]

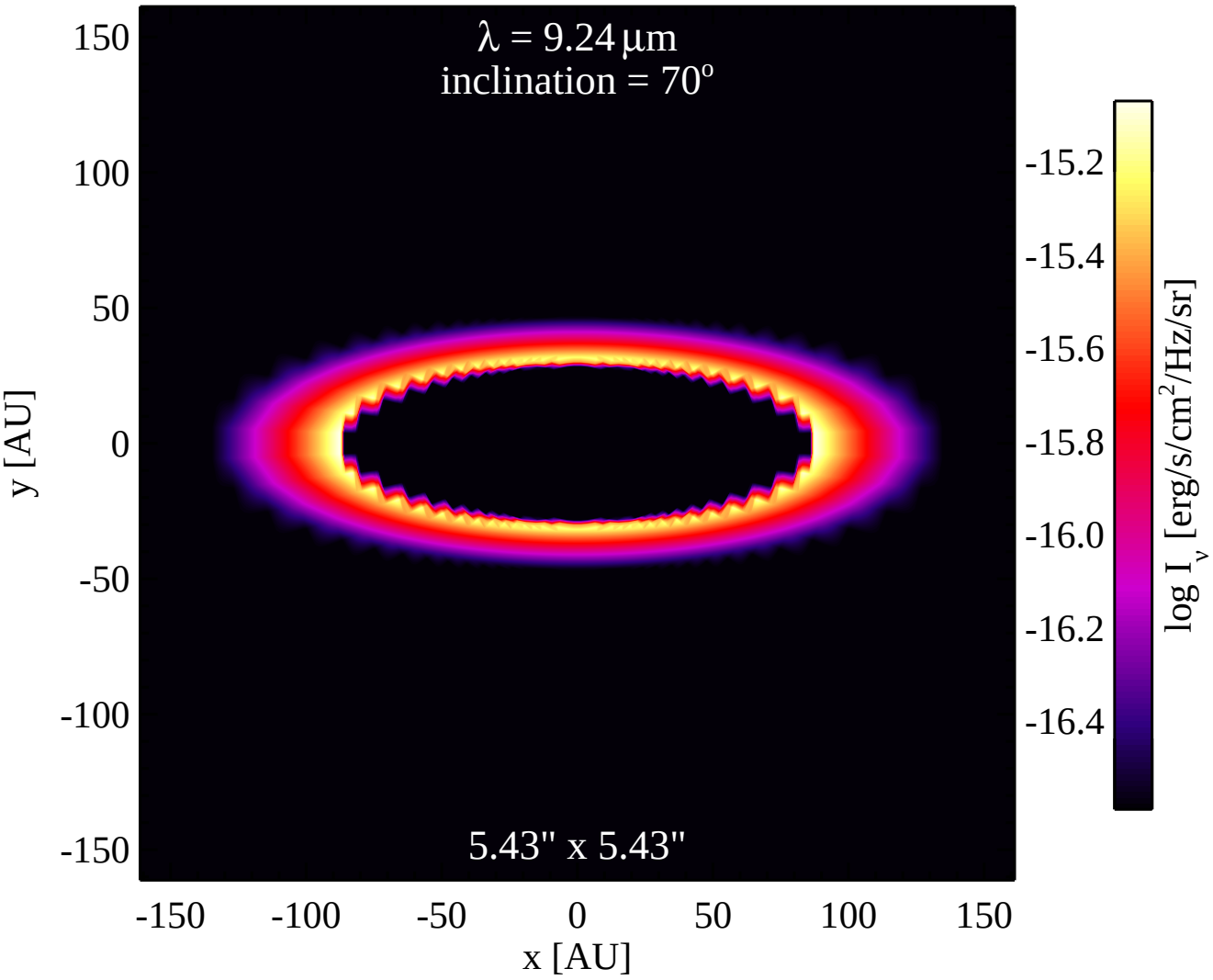

λ = 2.44 μm
inclination = 70°
8.47" x 8.47"
200
100
0
-100
-200
y [AU]
-200
-100
0
100
200
x [AU]
-15.5
-16.0
-16.5
-17.0
log I_ν [erg/s/cm²/Hz/sr]

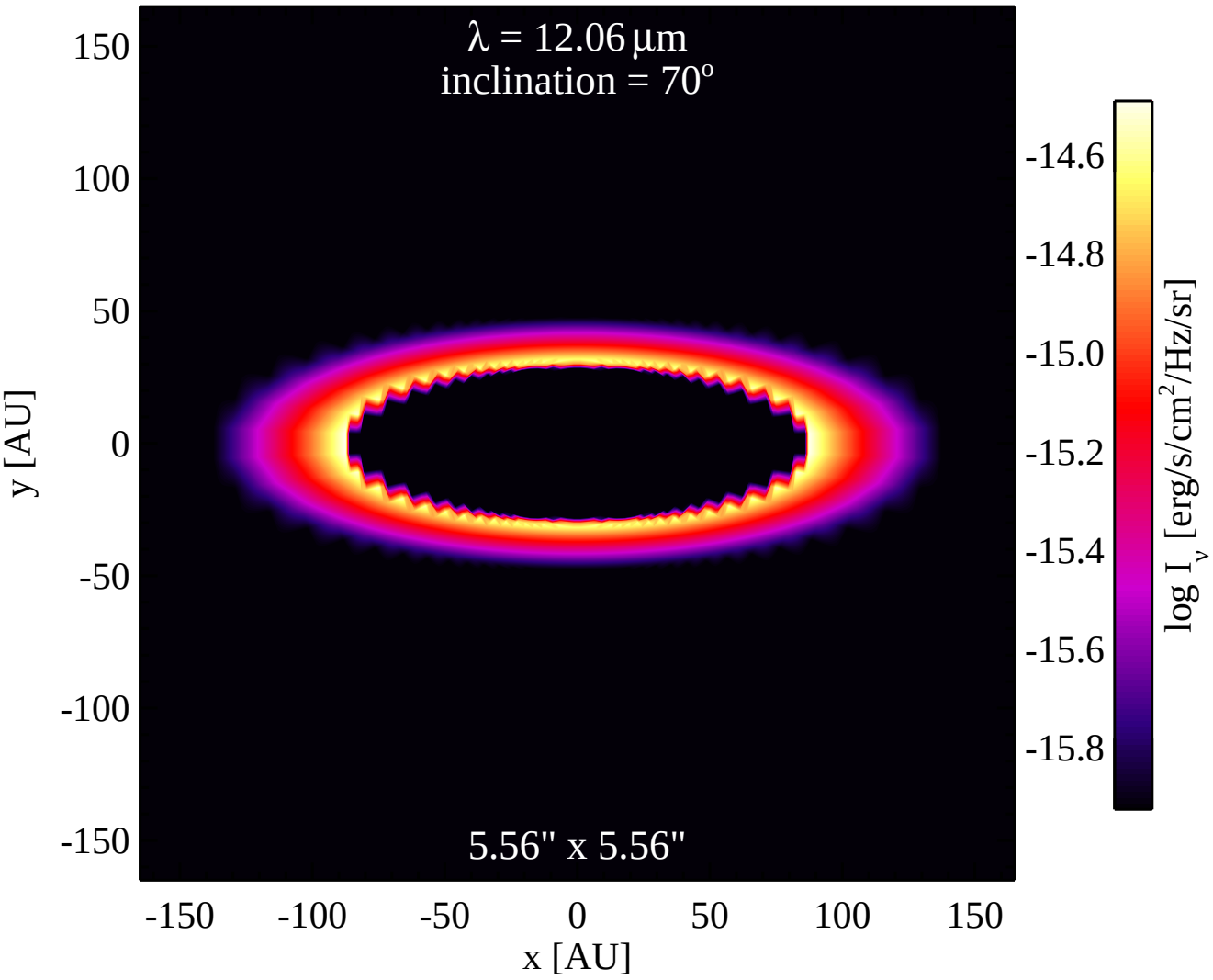

λ = 3.19 μm
inclination = 70°
8.50" x 8.50"
200
100
0
-100
-200
y [AU]
-200
-100
0
100
200
x [AU]
-16.0
-16.5
-17.0
log I_ν [erg/s/cm²/Hz/sr]

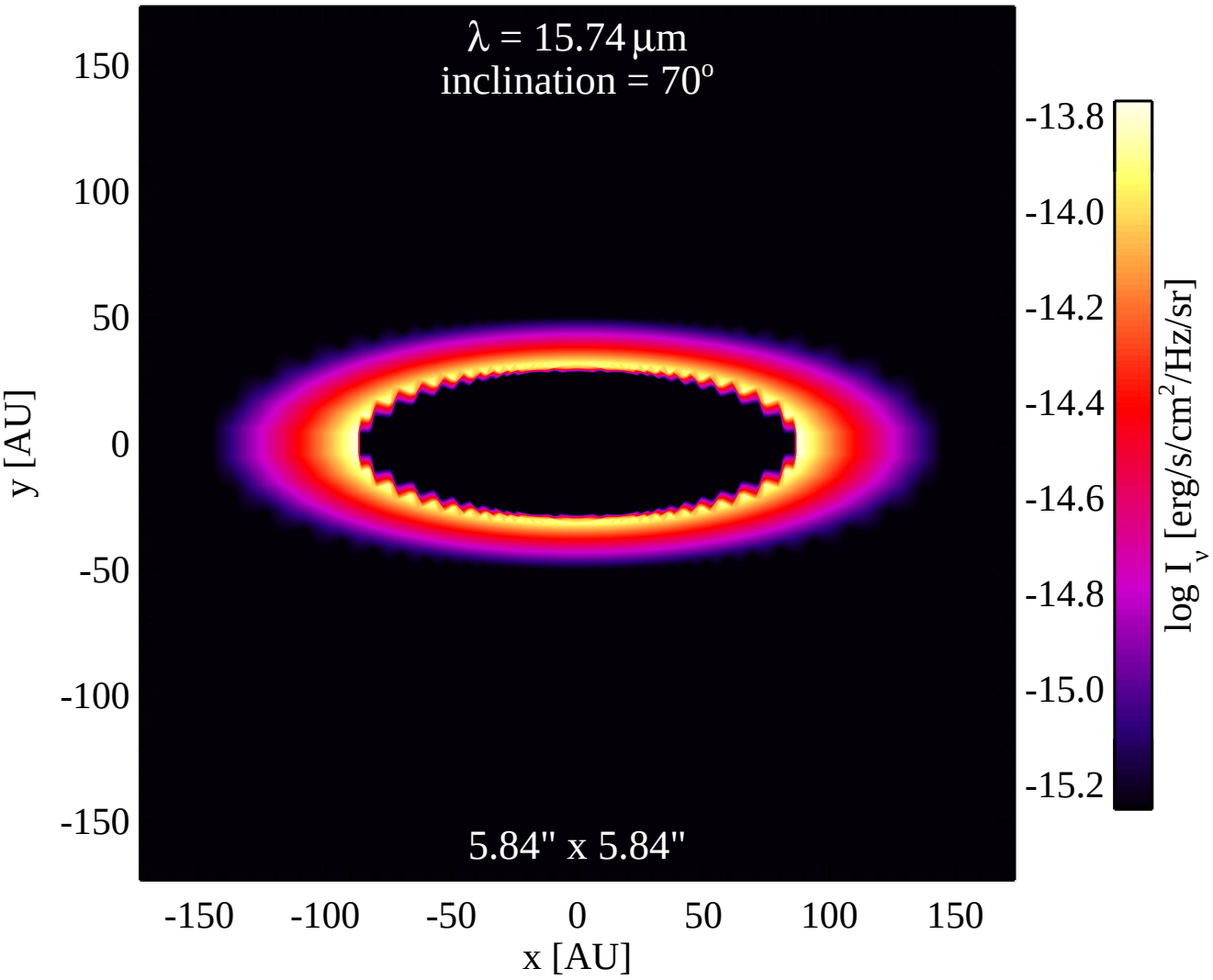

λ = 4.16 μm
inclination = 70°
8.53" x 8.53"
200
100
0
-100
-200
y [AU]
-200
-100
0
100
200
x [AU]
-16.0
-16.5
-17.0
-17.5
log I_ν [erg/s/cm²/Hz/sr]

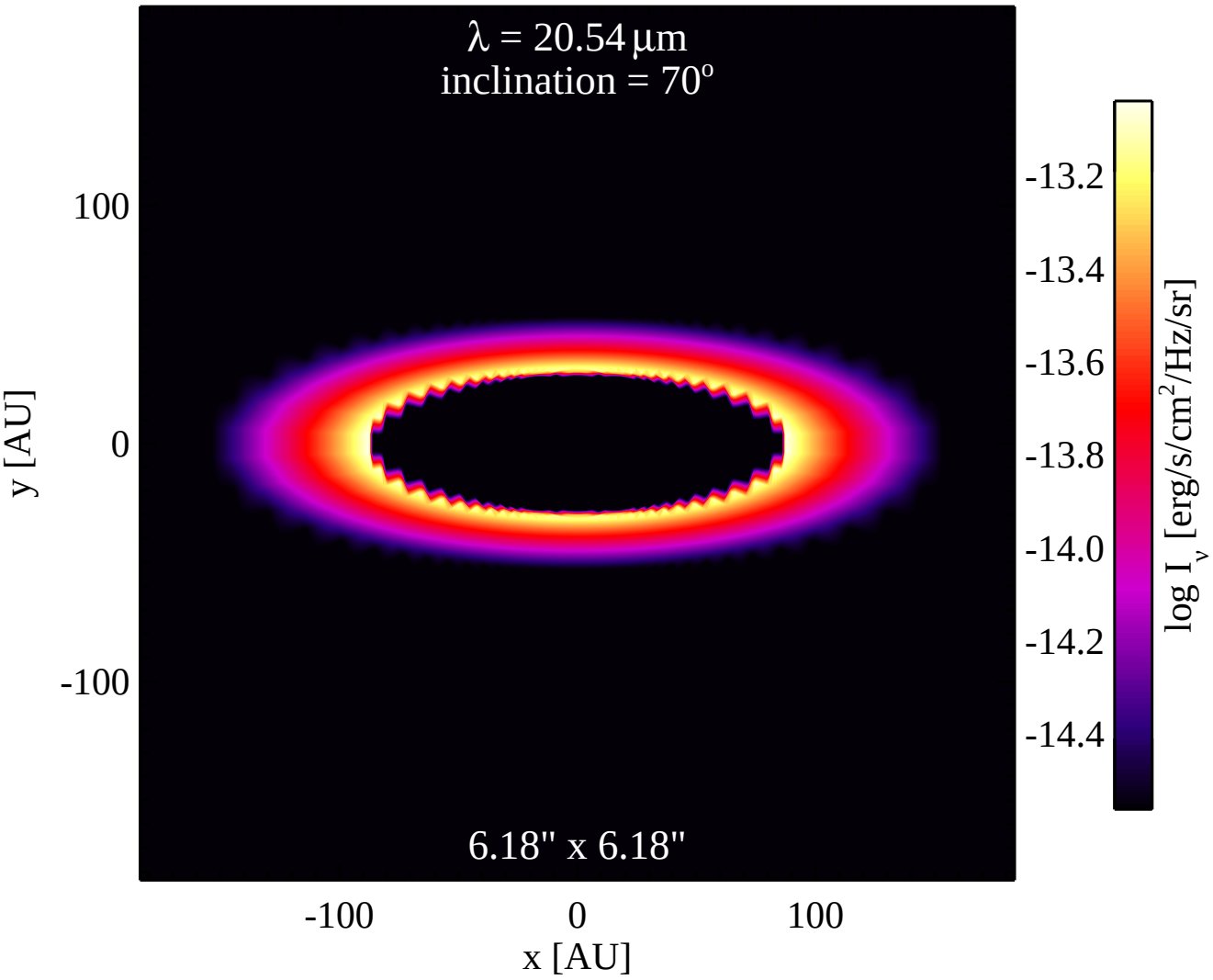

λ = 5.43 μm
inclination = 70°
8.60" x 8.60"
200
100
0
-100
-200
y [AU]
-200
-100
0
100
200
x [AU]
-16.5
-17.0
-17.5
log I_ν [erg/s/cm²/Hz/sr]

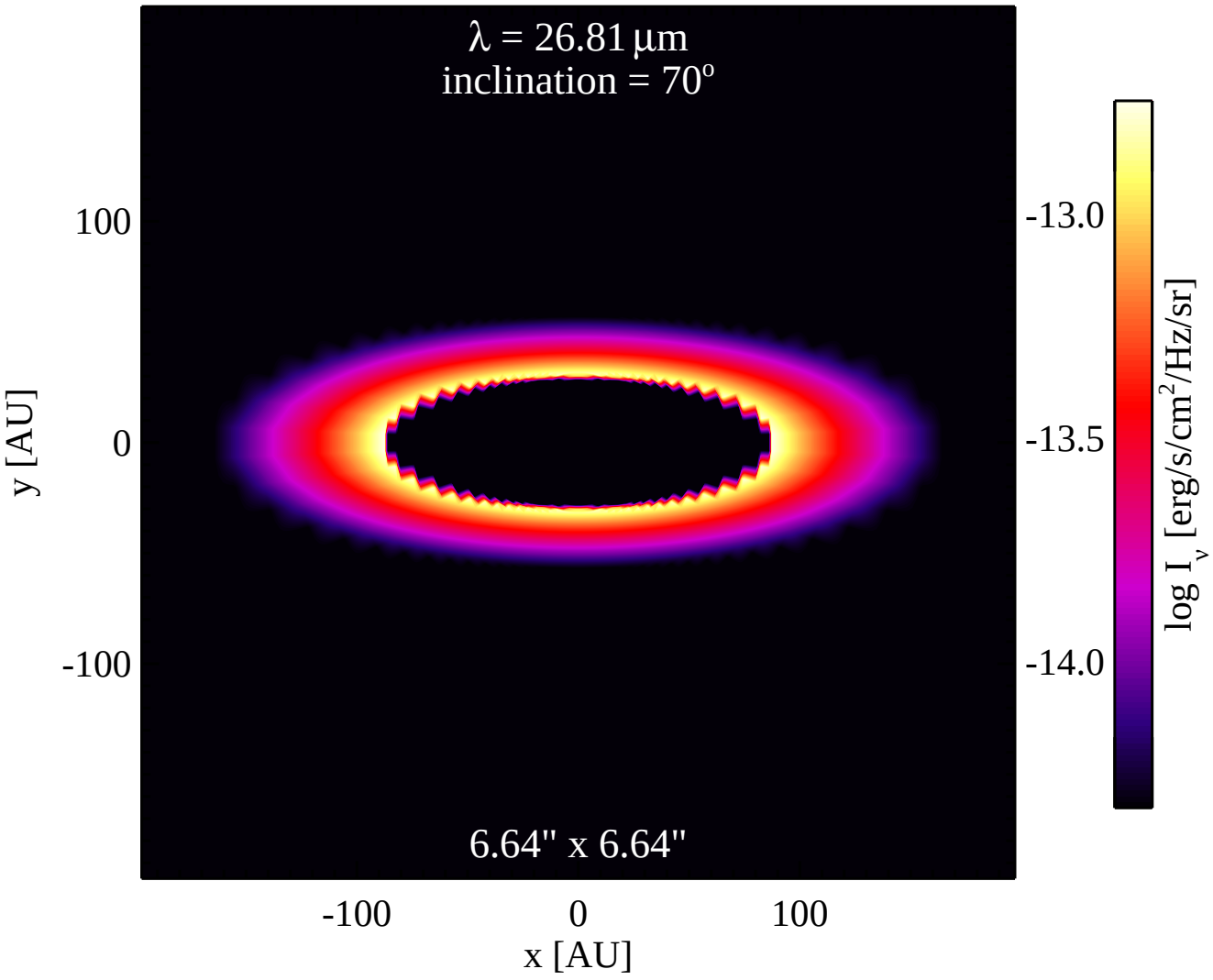

λ = 7.08 μm
inclination = 70°
8.41" x 8.41"
200
100
0
-100
-200
y [AU]
-200
-100
0
100
200
x [AU]
-16.5
-17.0
-17.5
-18.0
log I_ν [erg/s/cm²/Hz/sr]

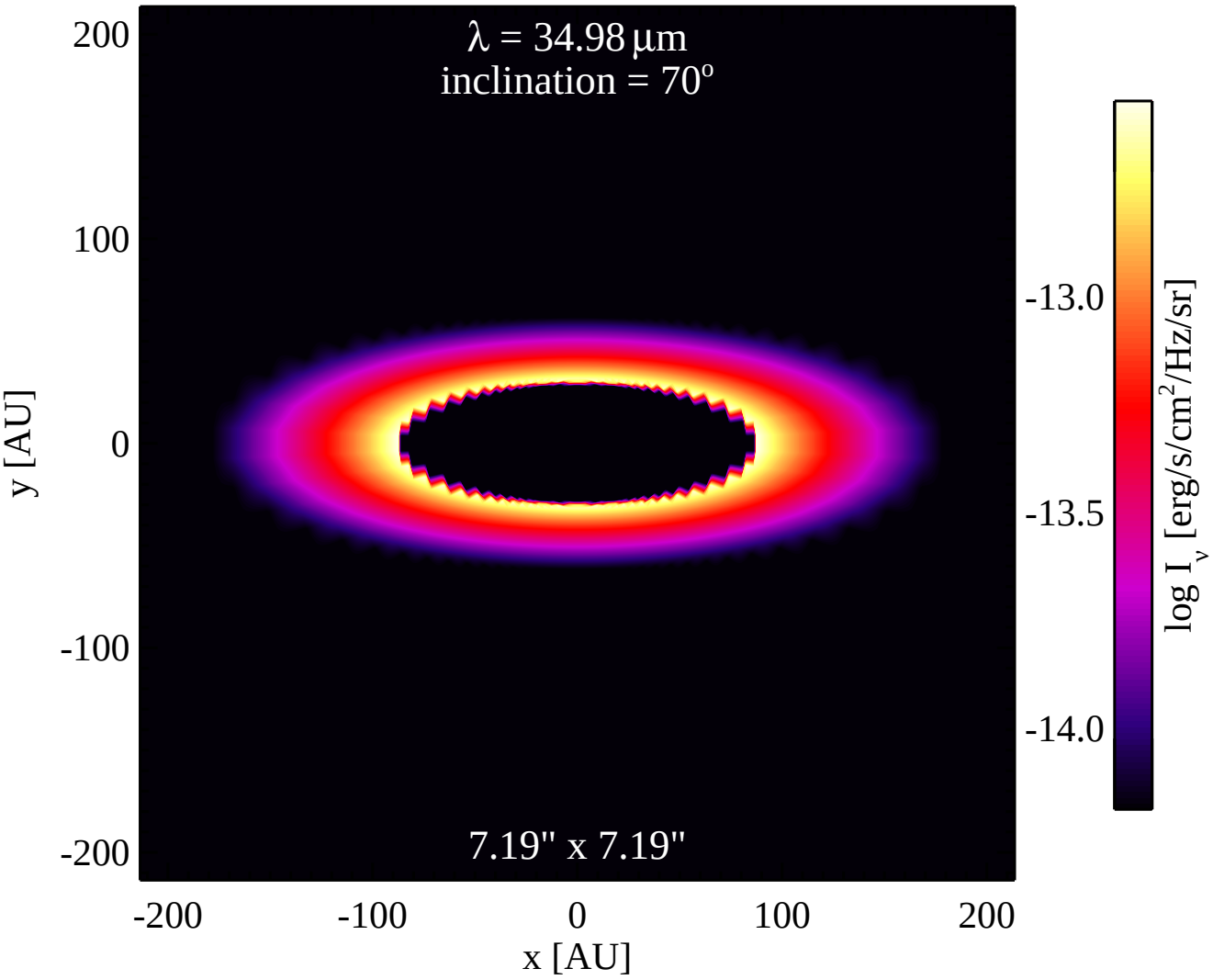

λ = 9.24 μm
inclination = 70°
5.43" x 5.43"
150
100
50
0
-50
-100
-150
y [AU]
-150
-100
-50
0
50
100
150
x [AU]
-15.2
-15.4
-15.6
-15.8
-16.0
-16.2
-16.4
log I_ν [erg/s/cm²/Hz/sr]

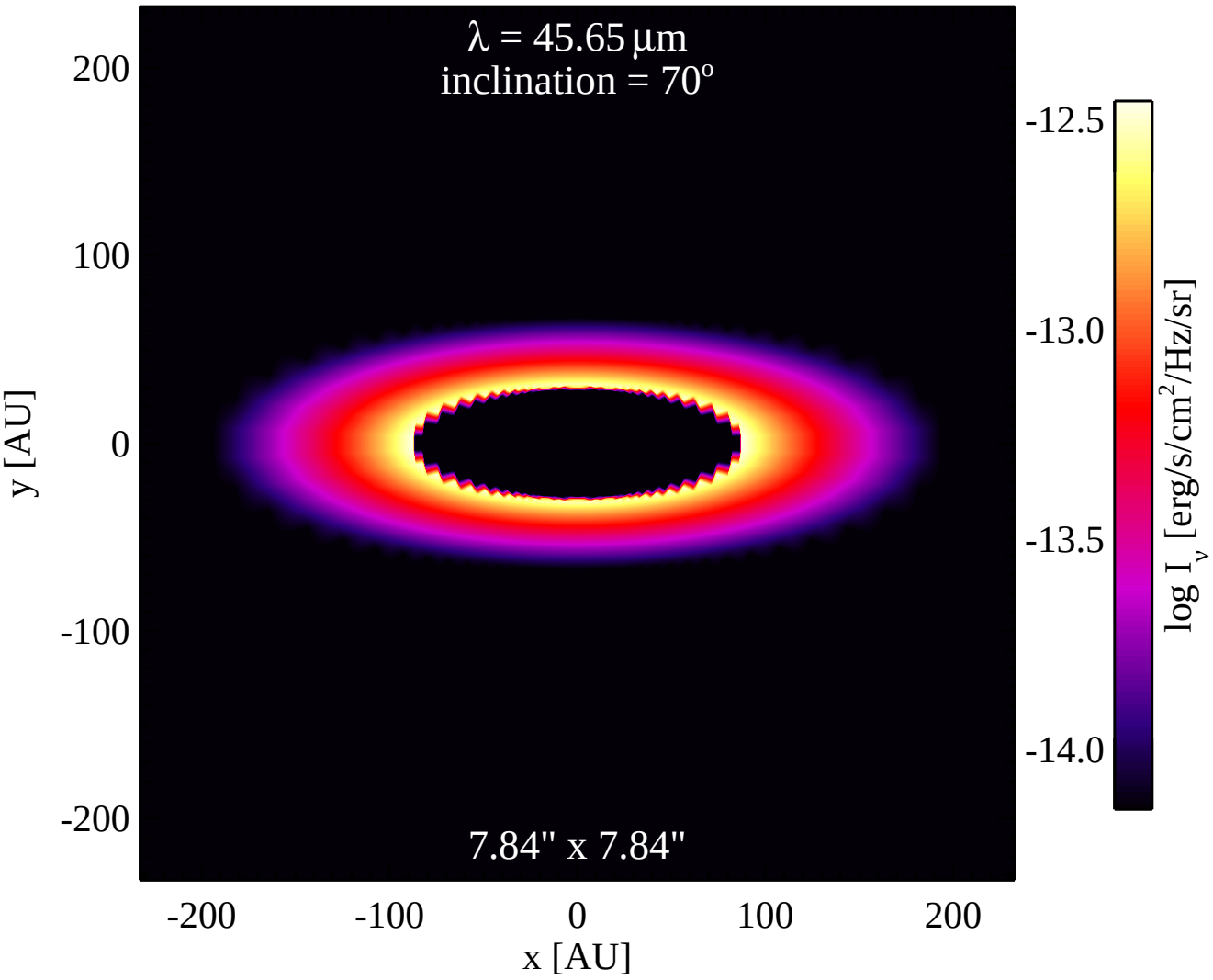

λ = 12.06 μm
inclination = 70°
5.56" x 5.56"
150
100
50
0
-50
-100
-150
y [AU]
-150
-100
-50
0
50
100
150
x [AU]
-14.6
-14.8
-15.0
-15.2
-15.4
-15.6
-15.8
log I_ν [erg/s/cm²/Hz/sr]

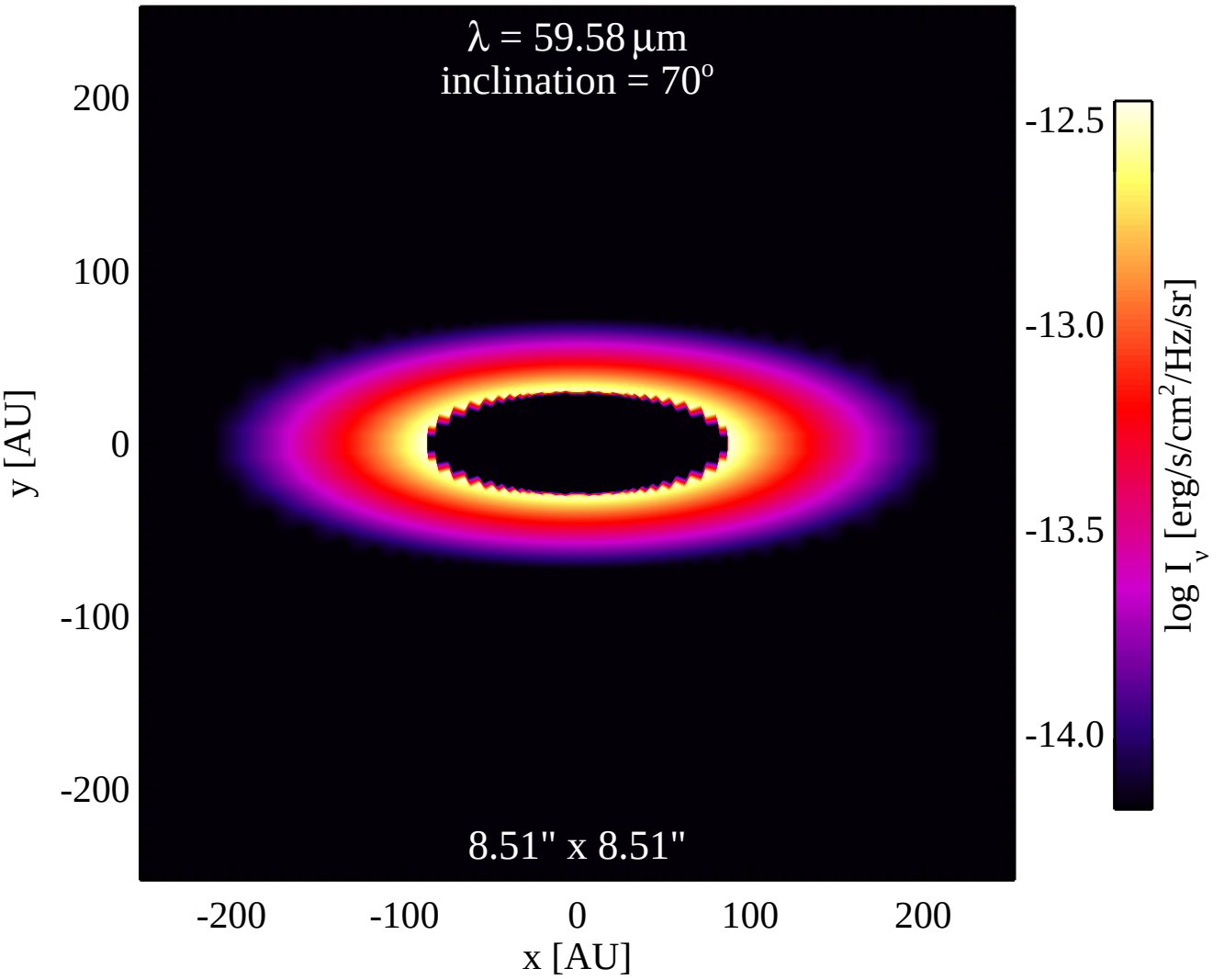

λ = 15.74 μm
inclination = 70°
5.84" x 5.84"
150
100
50
0
-50
-100
-150
y [AU]
-150
-100
-50
0
50
100
150
x [AU]
-13.8
-14.0
-14.2
-14.4
-14.6
-14.8
-15.0
-15.2
log I_ν [erg/s/cm²/Hz/sr]

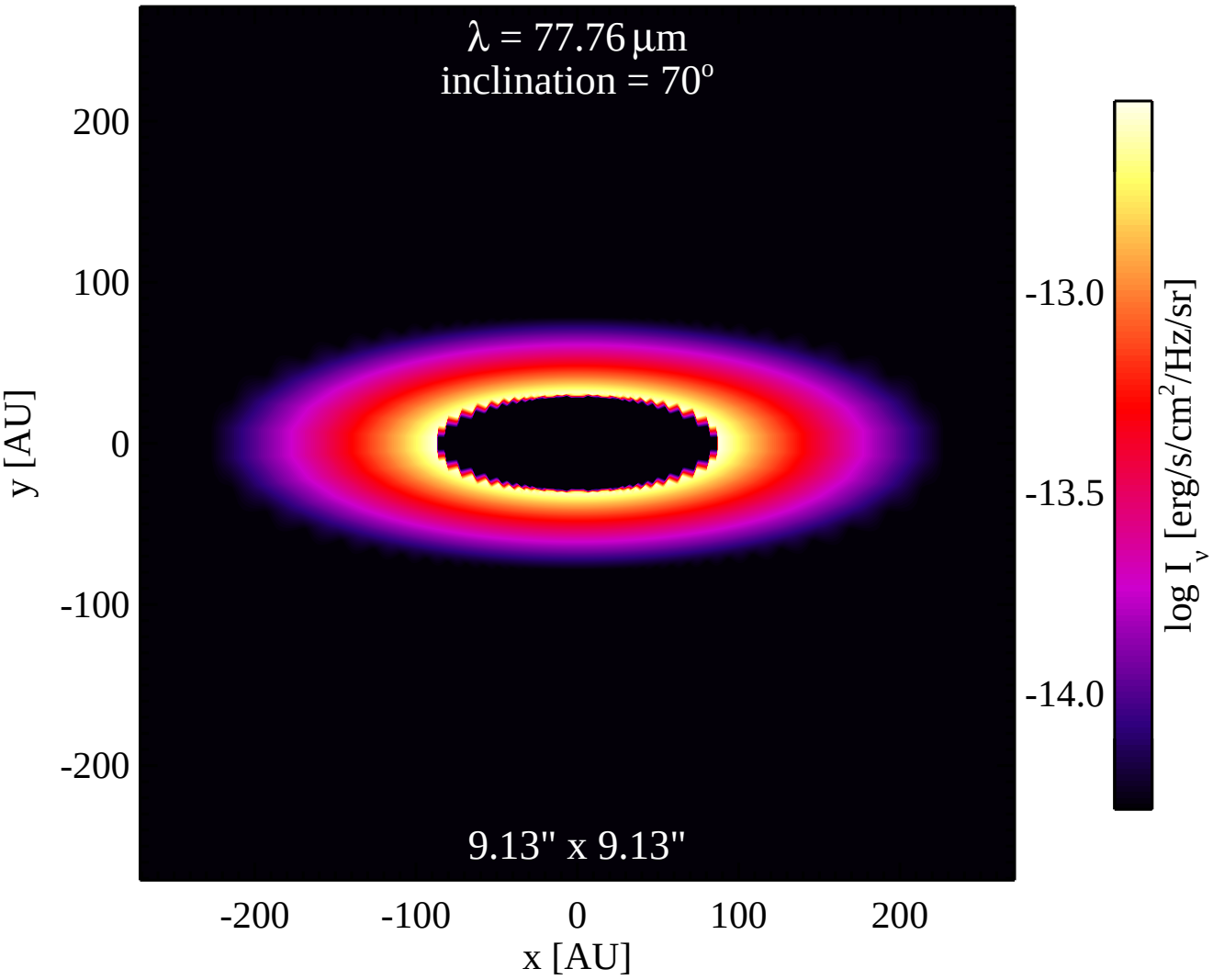

λ = 20.54 μm
inclination = 70°
6.18" x 6.18"
100
0
-100
y [AU]
-100
0
100
x [AU]
-13.2
-13.4
-13.6
-13.8
-14.0
-14.2
-14.4
log I_ν [erg/s/cm²/Hz/sr]

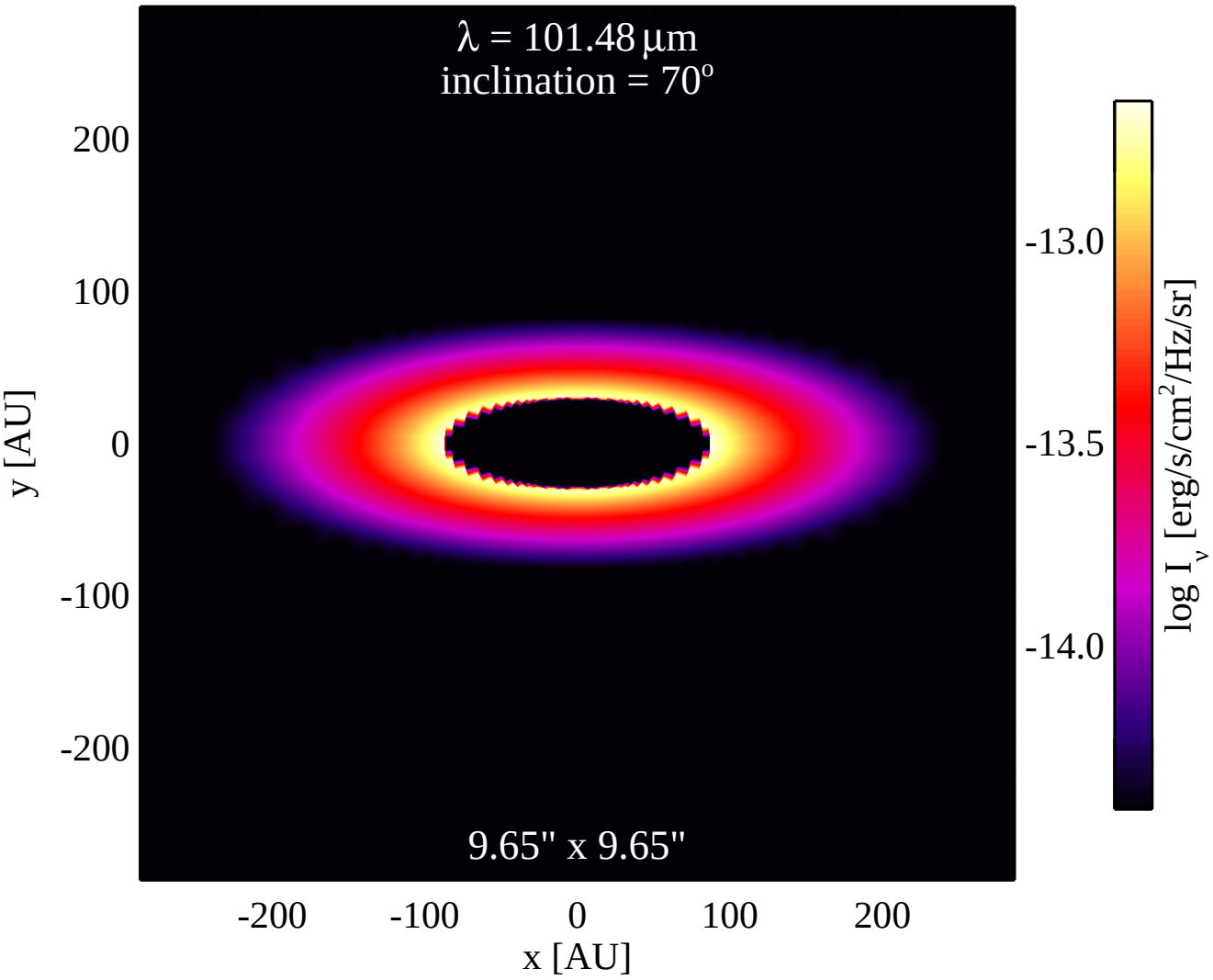

λ = 26.81 μm
inclination = 70°
6.64" x 6.64"
100
0
-100
y [AU]
-100
0
100
x [AU]
-13.0
-13.5
-14.0
log I_ν [erg/s/cm²/Hz/sr]

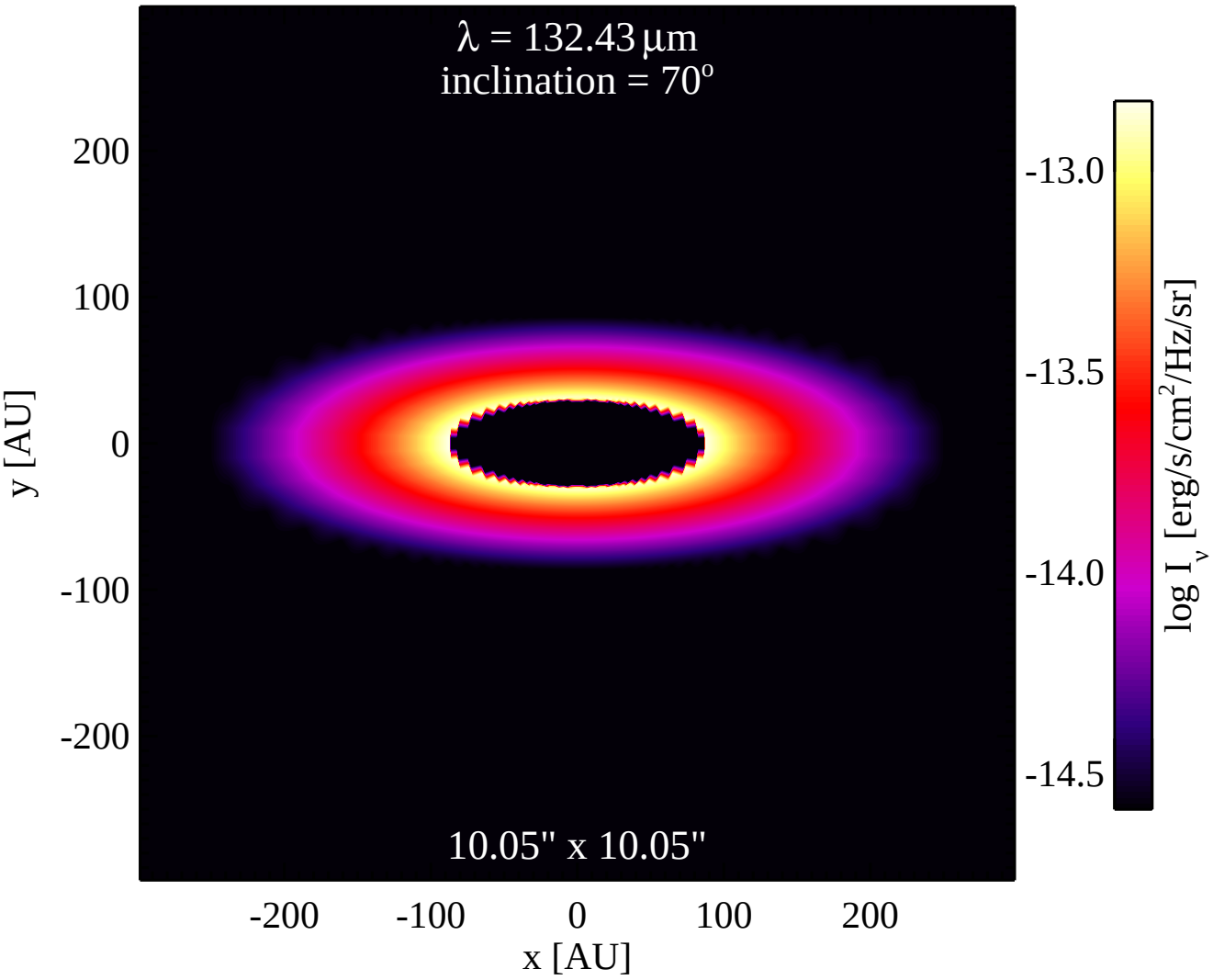

λ = 34.98 μm
inclination = 70°
7.19" x 7.19"
200
100
0
-100
-200
y [AU]
-200
-100
0
100
200
x [AU]
-13.0
-13.5
-14.0
log I_ν [erg/s/cm²/Hz/sr]

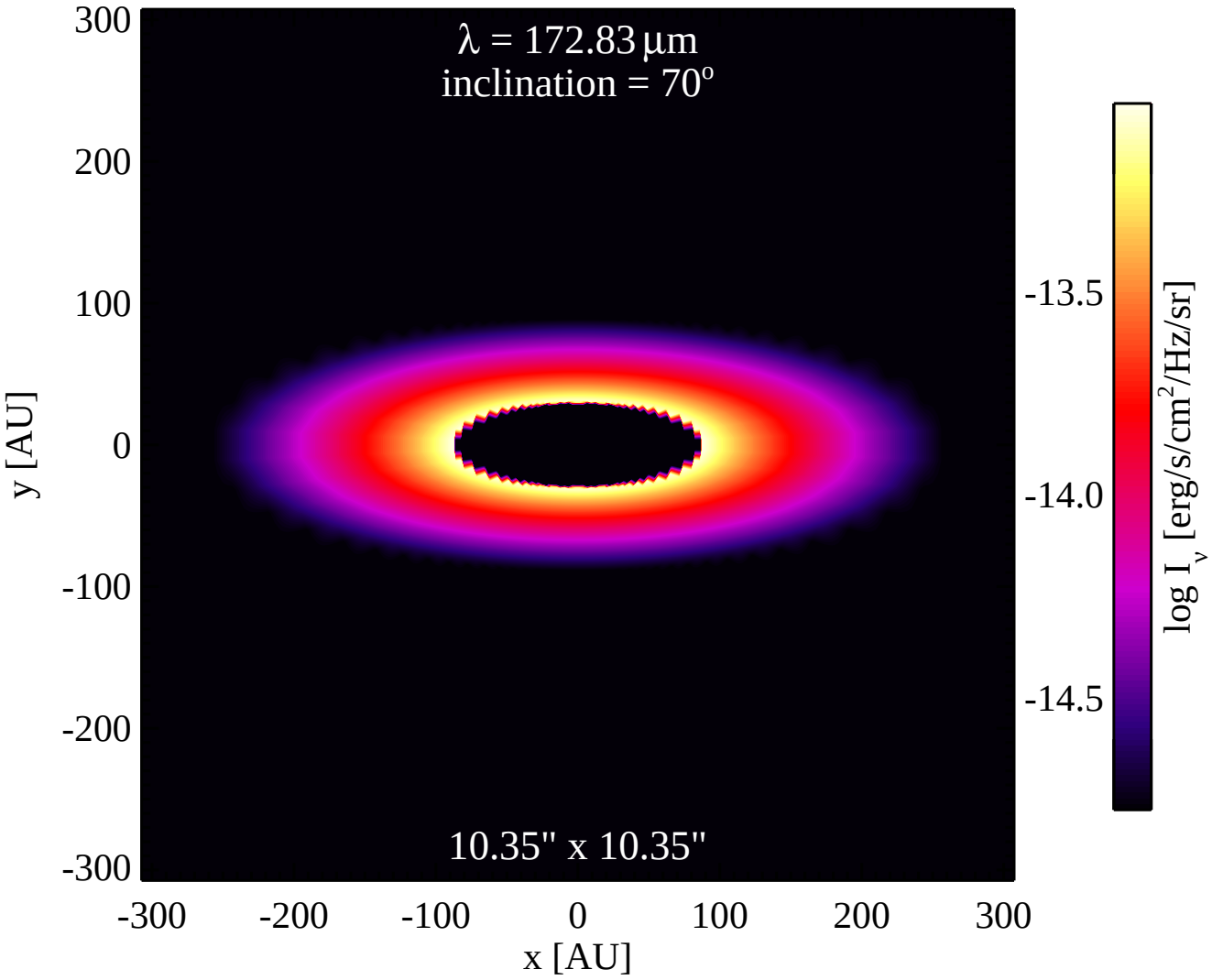

λ = 45.65 μm
inclination = 70°
7.84" x 7.84"
200
100
0
-100
-200
y [AU]
-200
-100
0
100
200
x [AU]
-12.5
-13.0
-13.5
-14.0
log I_ν [erg/s/cm²/Hz/sr]

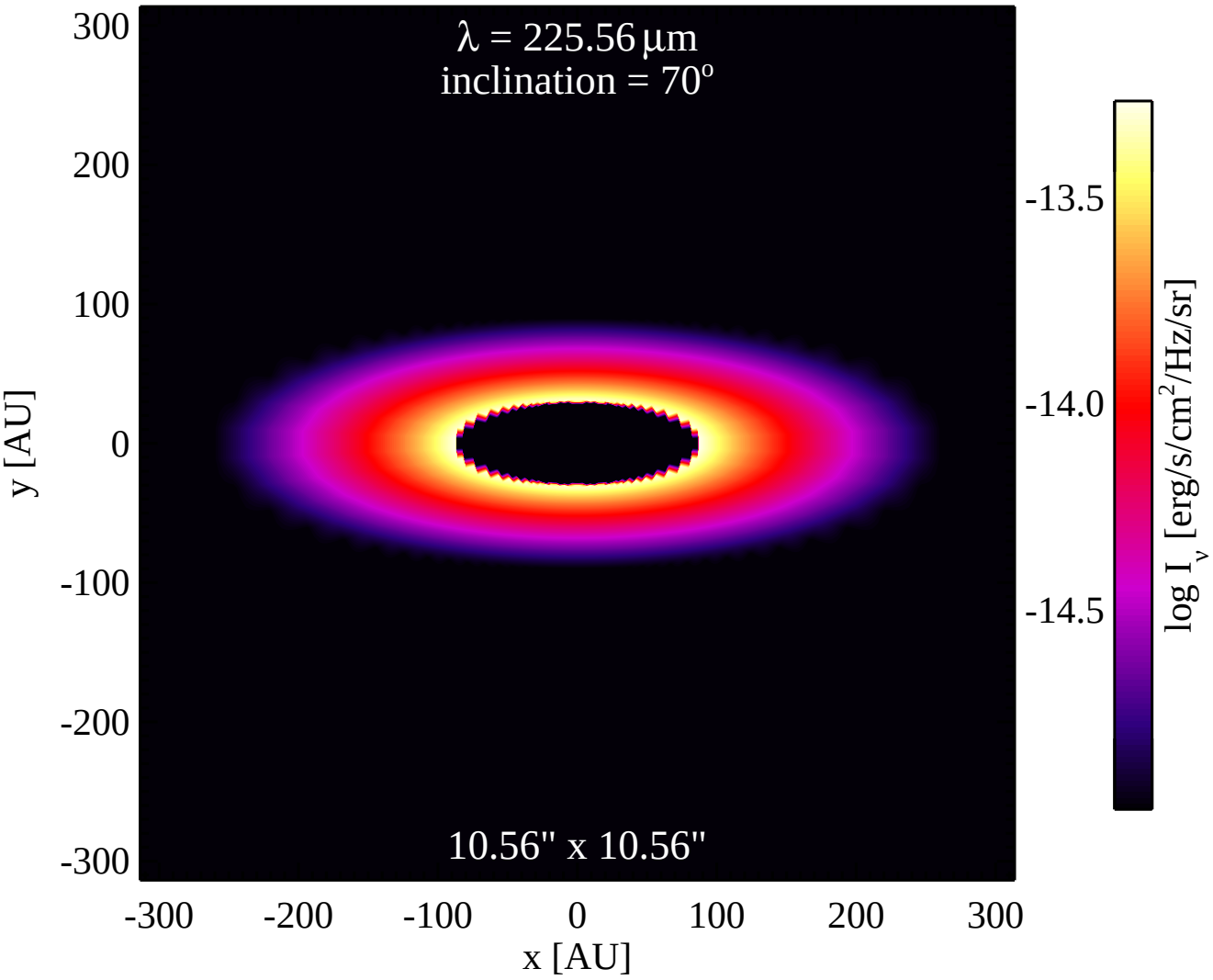

λ = 59.58 μm
inclination = 70°
8.51" x 8.51"
200
100
0
-100
-200
y [AU]
-200
-100
0
100
200
x [AU]
-12.5
-13.0
-13.5
-14.0
log I_ν [erg/s/cm²/Hz/sr]

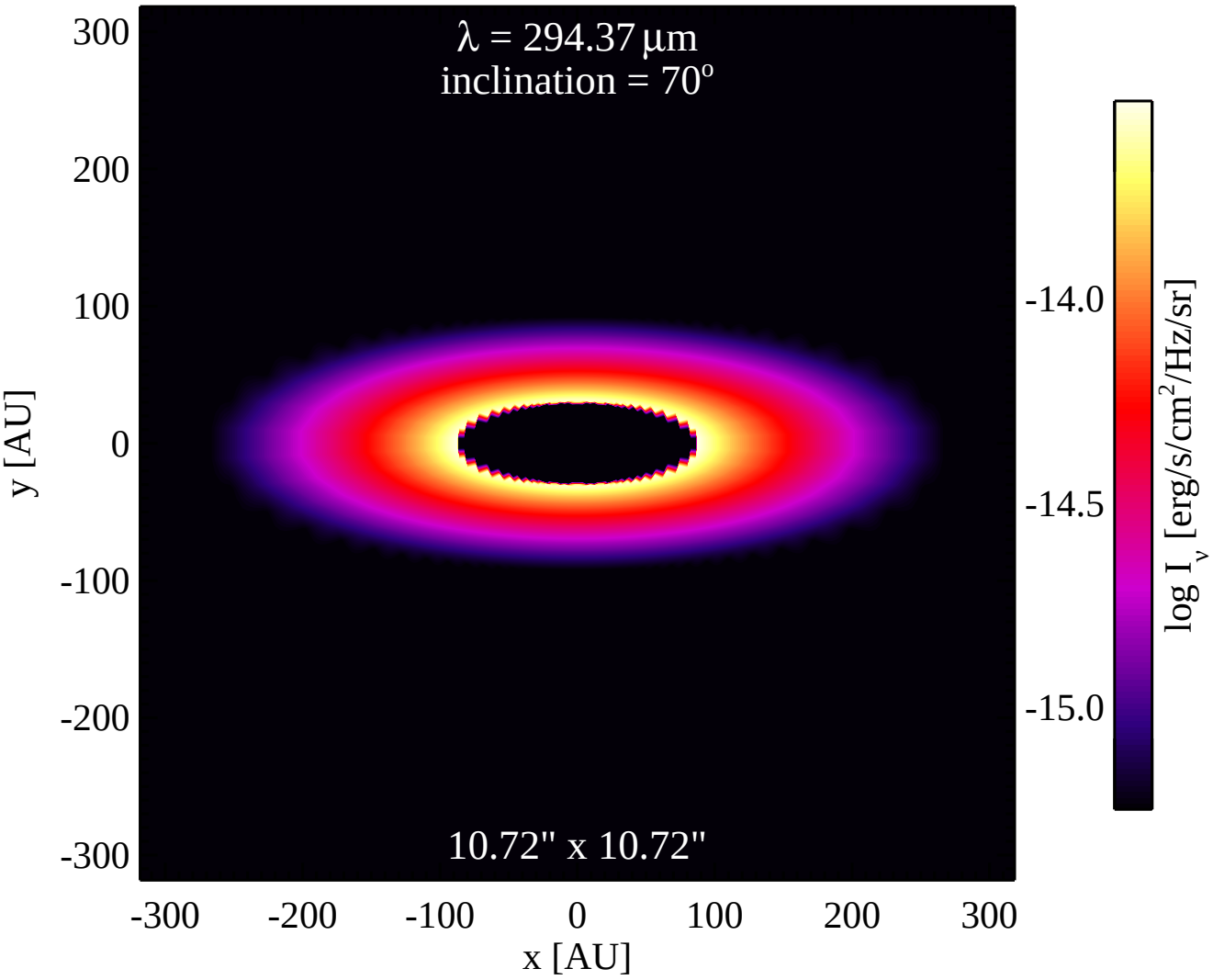

λ = 77.76 μm
inclination = 70°
9.13" x 9.13"
200
100
0
-100
-200
y [AU]
-200
-100
0
100
200
x [AU]
-13.0
-13.5
-14.0
log I_ν [erg/s/cm²/Hz/sr]

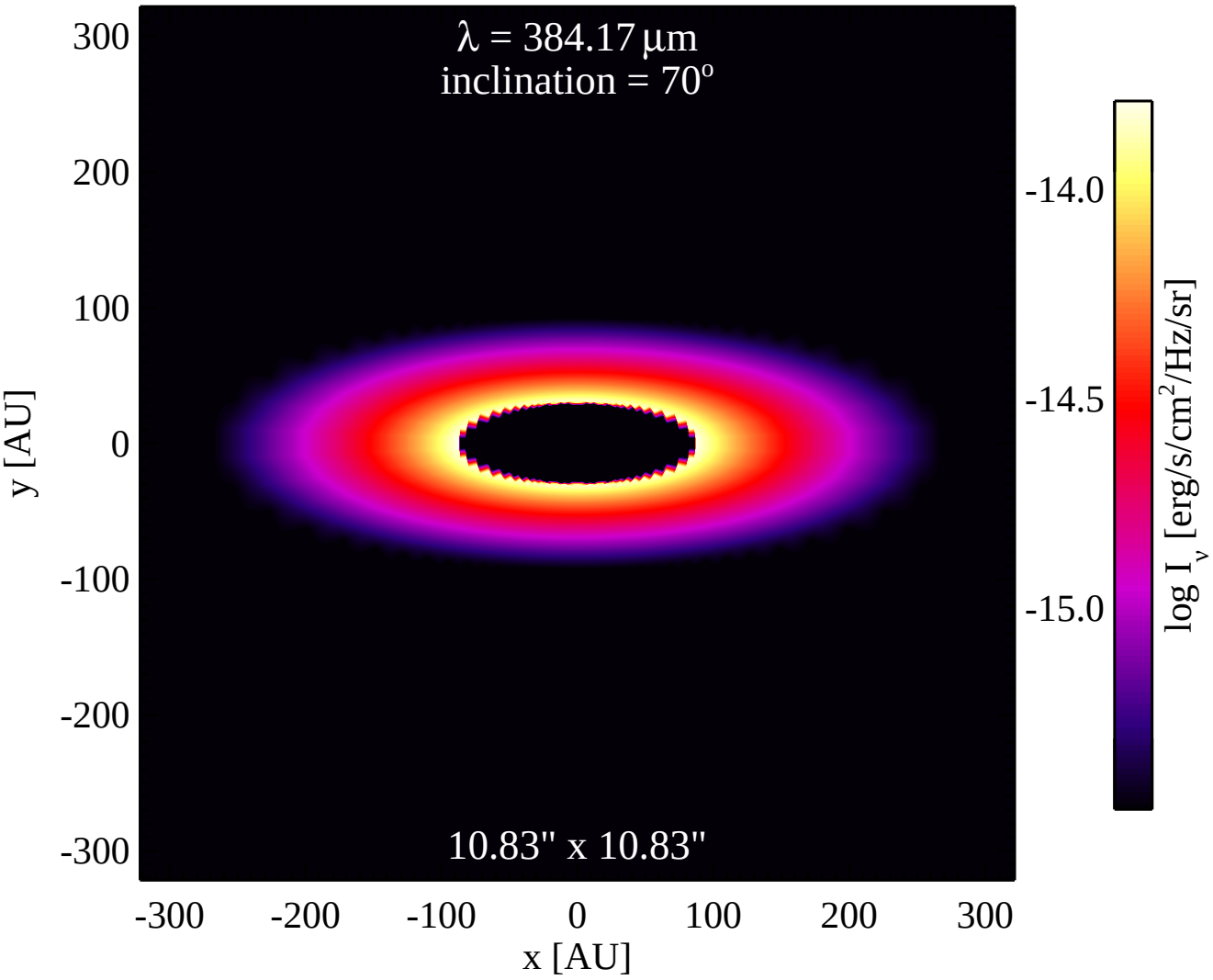

λ = 101.48 μm
inclination = 70°
9.65" x 9.65"
200
100
0
-100
-200
y [AU]
-200
-100
0
100
200
x [AU]
-13.0
-13.5
-14.0
log I_ν [erg/s/cm²/Hz/sr]

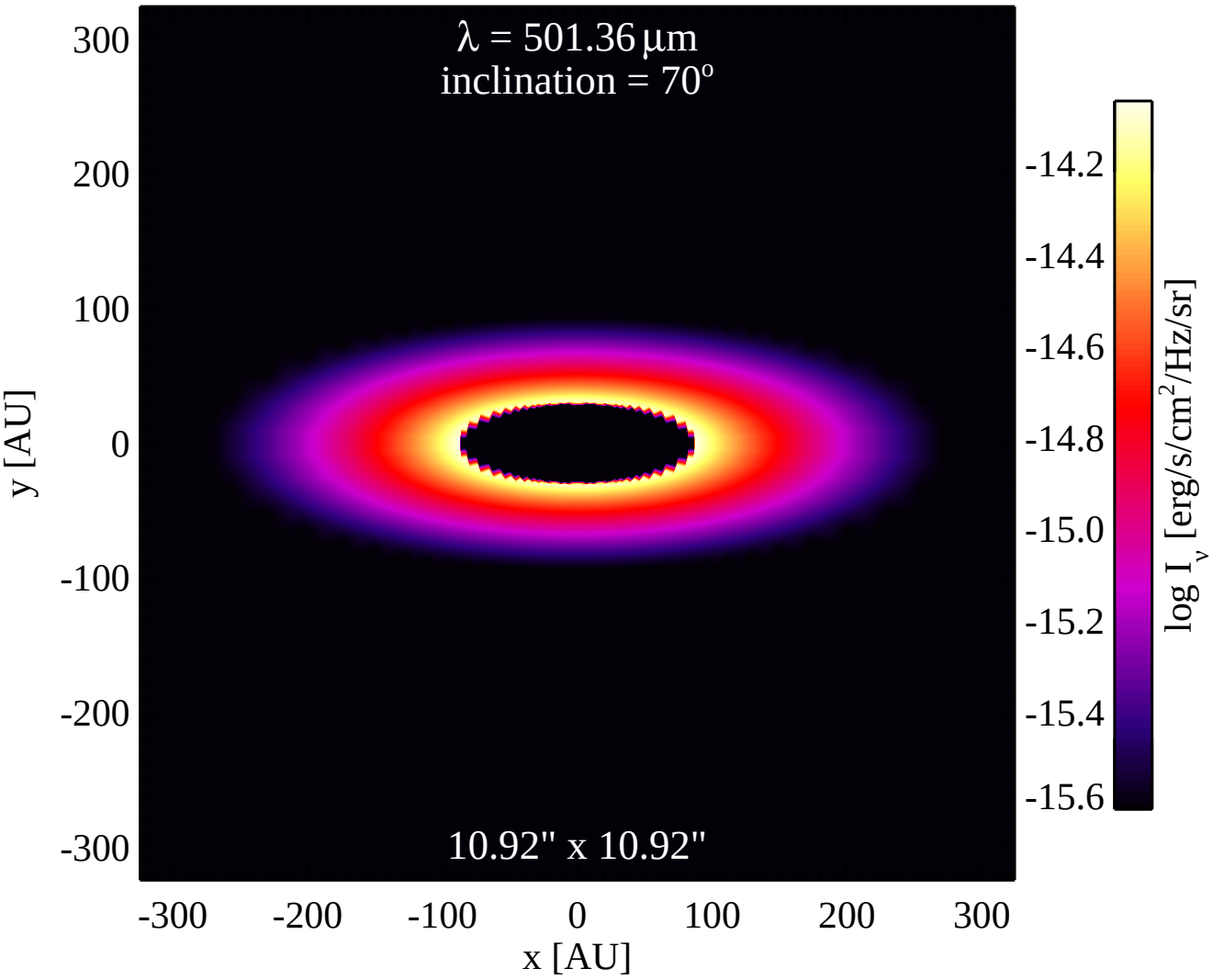

λ = 132.43 μm
inclination = 70°
10.05" x 10.05"
200
100
0
-100
-200
y [AU]
-200
-100
0
100
200
x [AU]
-13.0
-13.5
-14.0
-14.5
log I_ν [erg/s/cm²/Hz/sr]

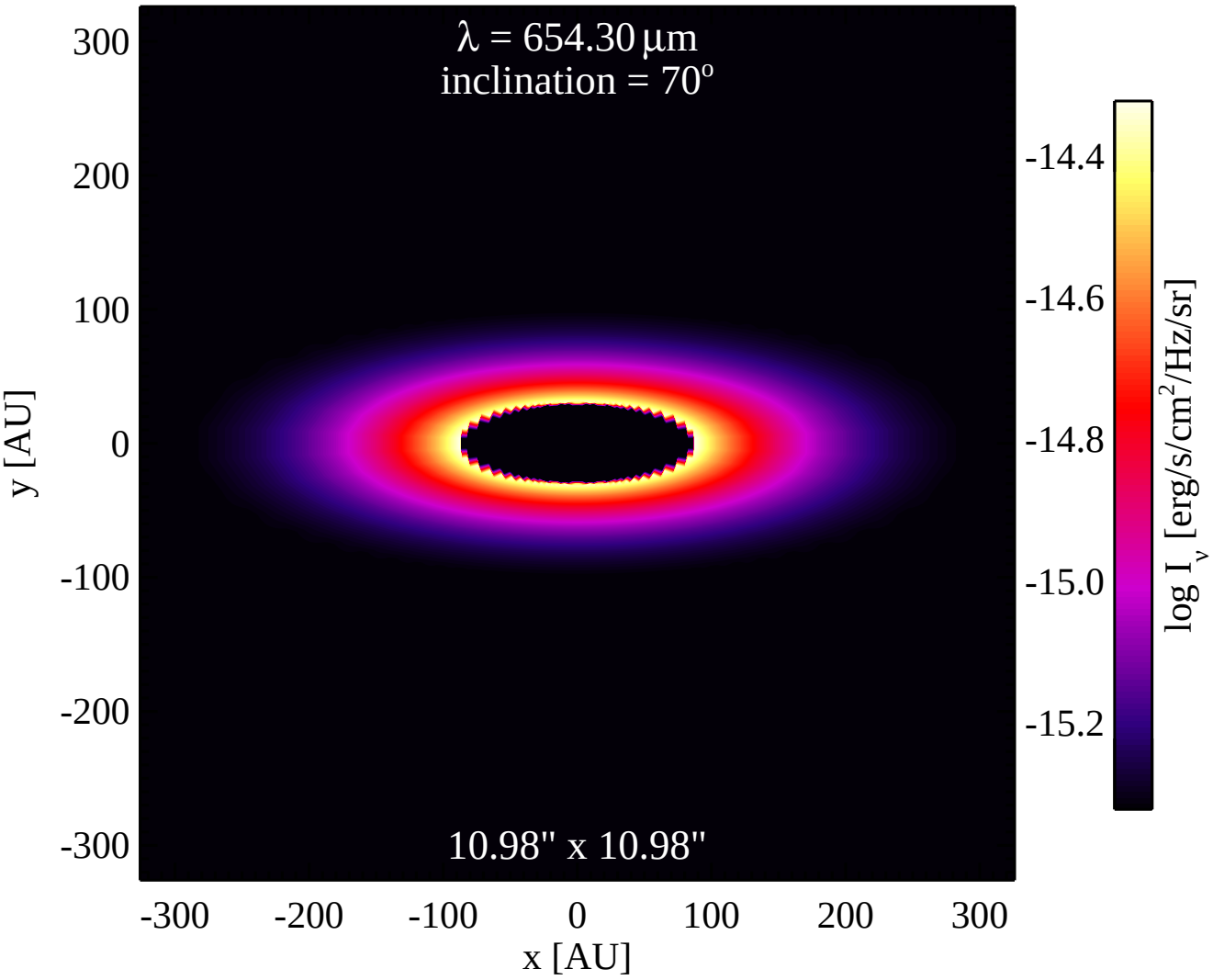

λ = 172.83 μm
inclination = 70°
10.35" x 10.35"
300
200
100
0
-100
-200
-300
y [AU]
-300
-200
-100
0
100
200
300
x [AU]
-13.5
-14.0
-14.5
log I_ν [erg/s/cm²/Hz/sr]

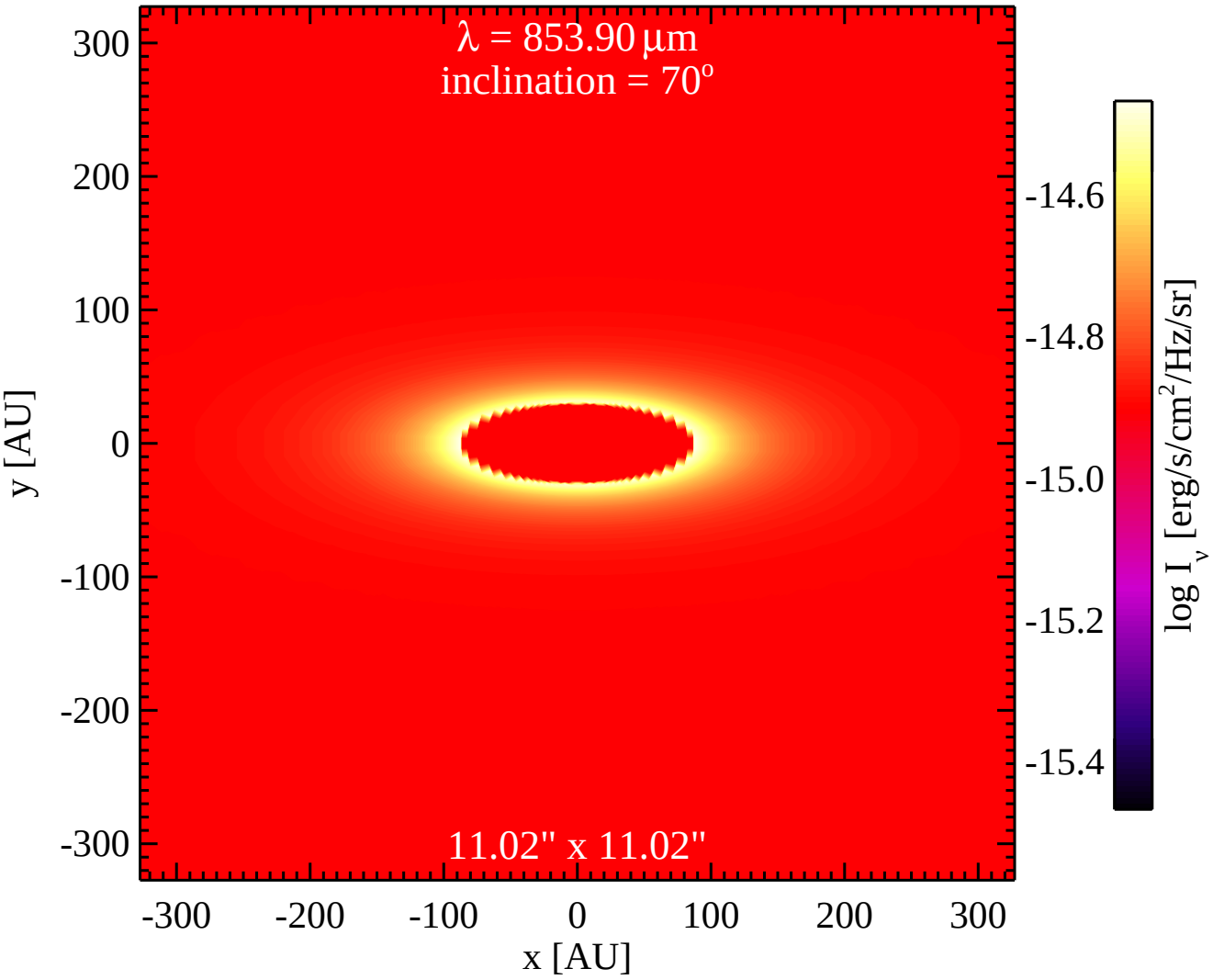

λ = 225.56 μm
inclination = 70°
10.56" x 10.56"
300
200
100
0
-100
-200
-300
y [AU]
-300
-200
-100
0
100
200
300
x [AU]
-13.5
-14.0
-14.5
log I_ν [erg/s/cm²/Hz/sr]

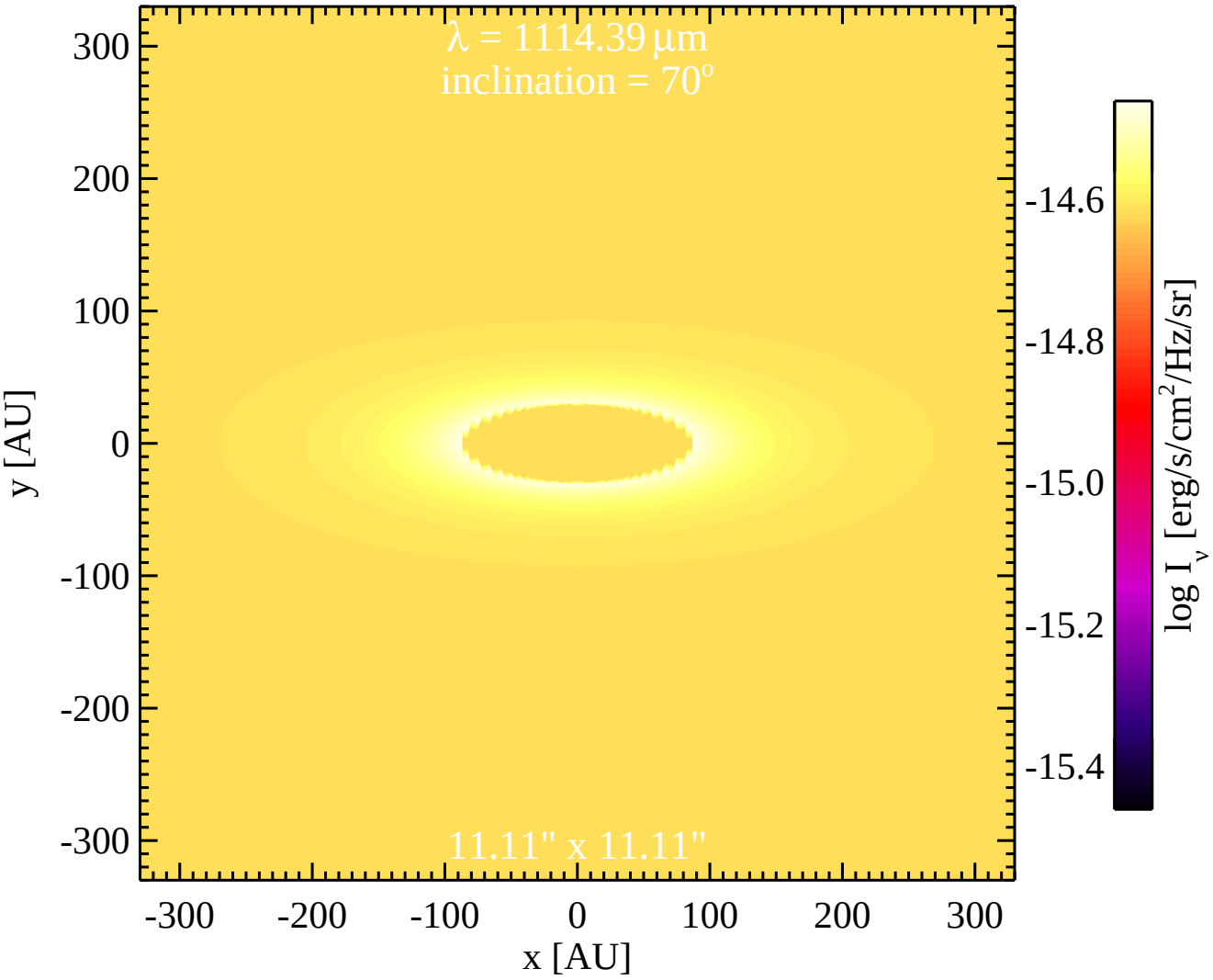

λ = 294.37 μm
inclination = 70°
10.72" x 10.72"
300
200
100
0
-100
-200
-300
y [AU]
-300
-200
-100
0
100
200
300
x [AU]
-14.0
-14.5
-15.0
log I_ν [erg/s/cm²/Hz/sr]

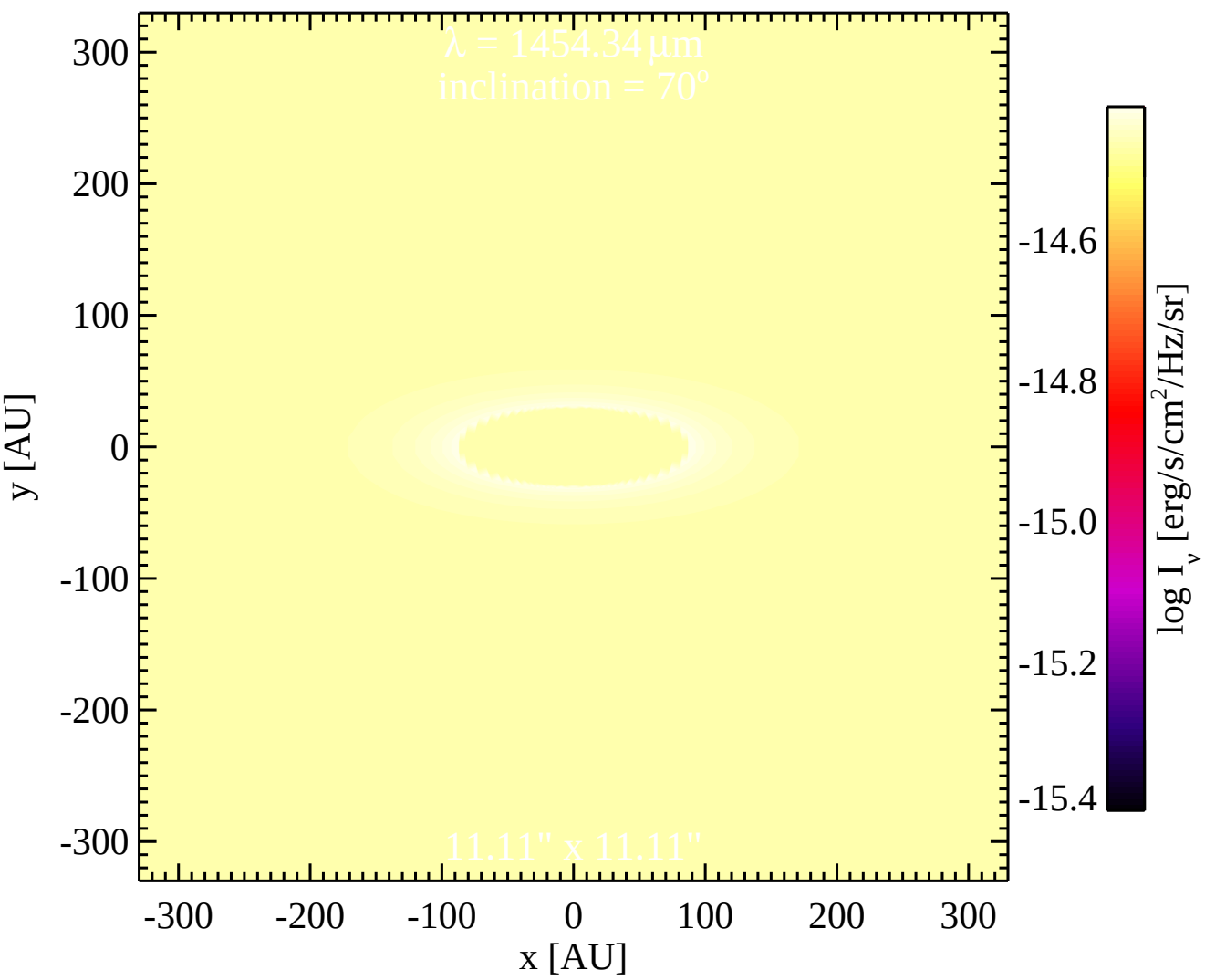

λ = 384.17 μm
inclination = 70°
10.83" x 10.83"
300
200
100
0
-100
-200
-300
y [AU]
-300
-200
-100
0
100
200
300
x [AU]
-14.0
-14.5
-15.0
log I_ν [erg/s/cm²/Hz/sr]

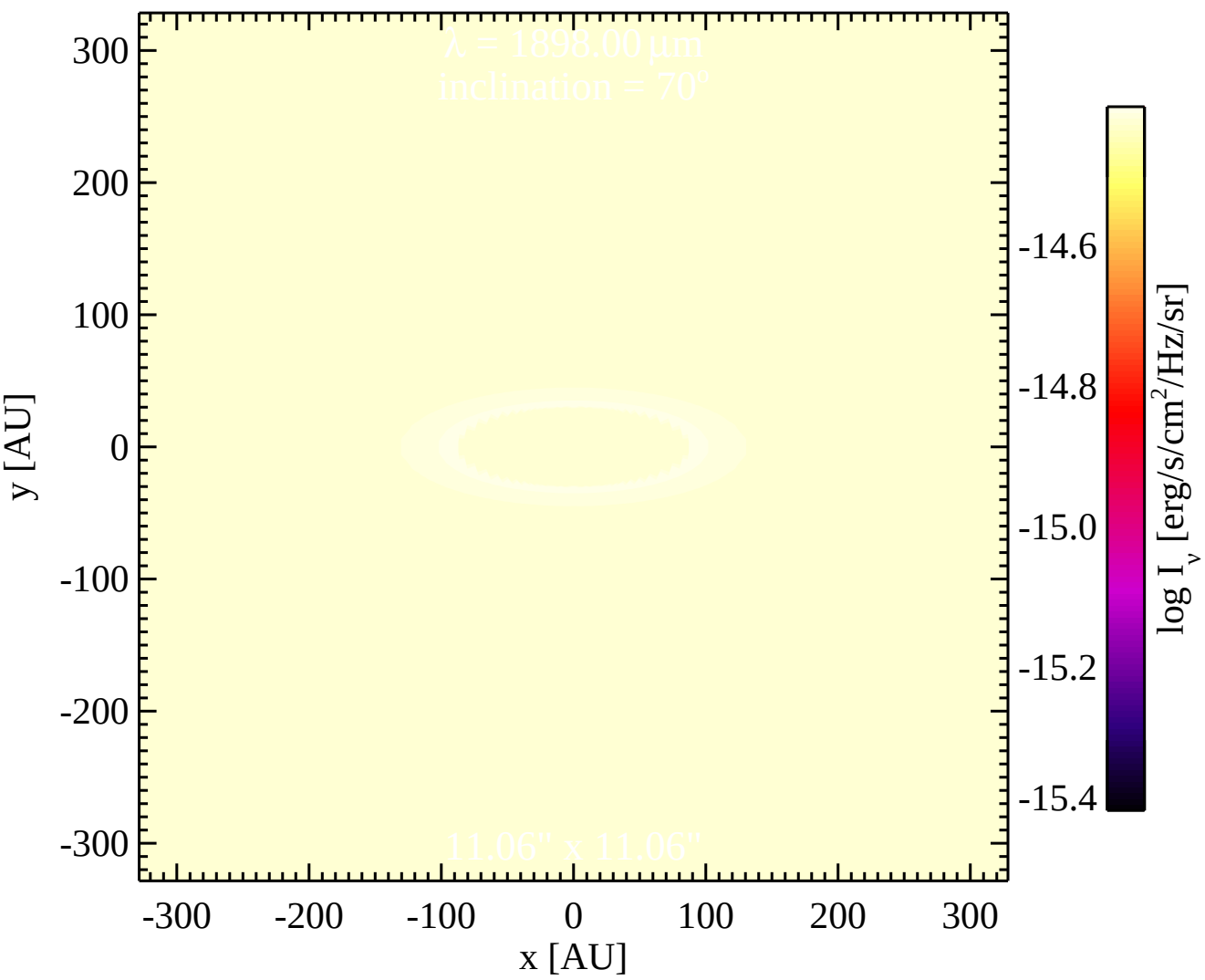

λ = 501.36 μm
inclination = 70°
10.92" x 10.92"
300
200
100
0
-100
-200
-300
y [AU]
-300
-200
-100
0
100
200
300
x [AU]
-14.2
-14.4
-14.6
-14.8
-15.0
-15.2
-15.4
-15.6
log I_ν [erg/s/cm²/Hz/sr]

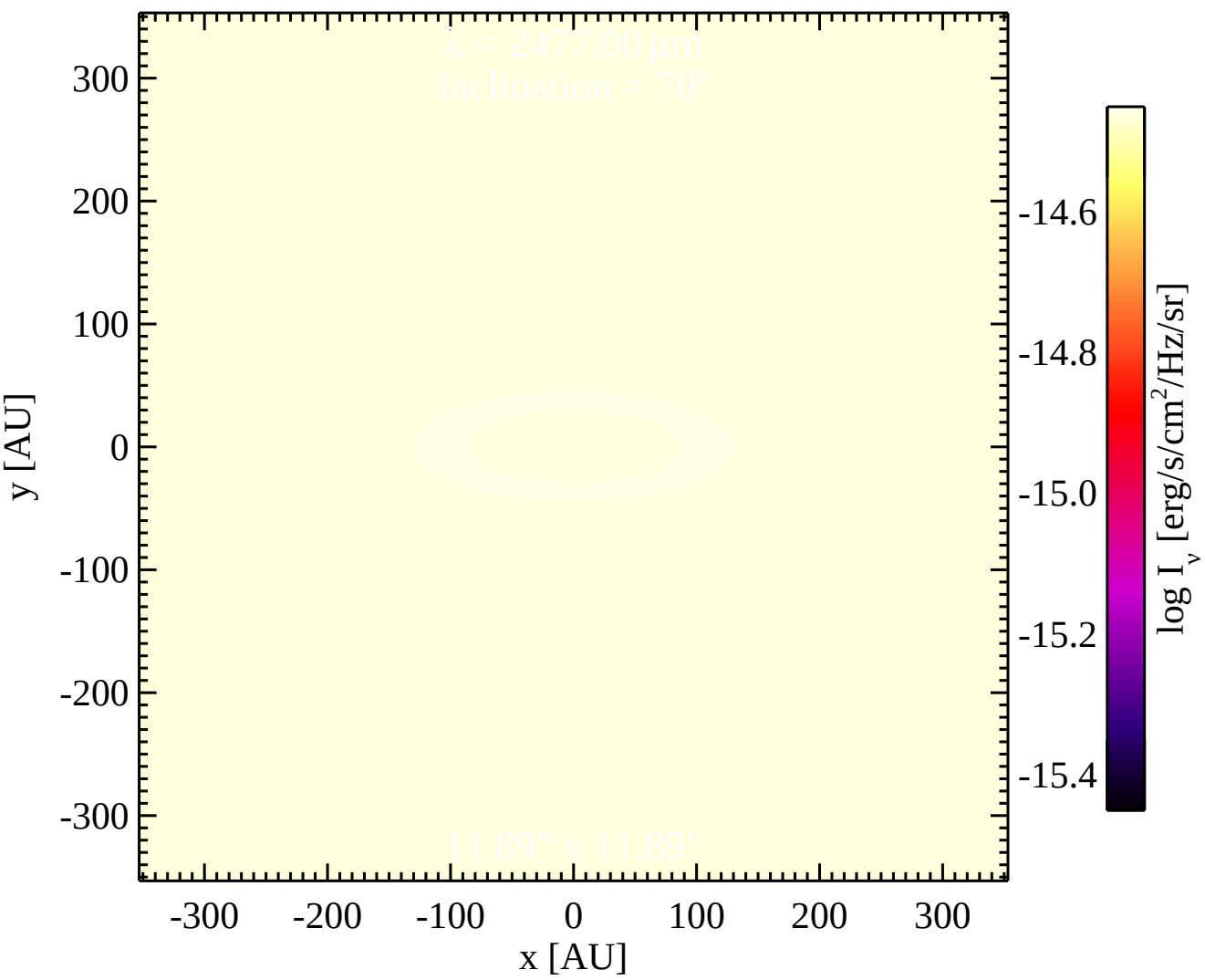

λ = 654.30 μm
inclination = 70°
10.98" x 10.98"
300
200
100
0
-100
-200
-300
y [AU]
-300
-200
-100
0
100
200
300
x [AU]
-14.4
-14.6
-14.8
-15.0
-15.2
log I_ν [erg/s/cm²/Hz/sr]

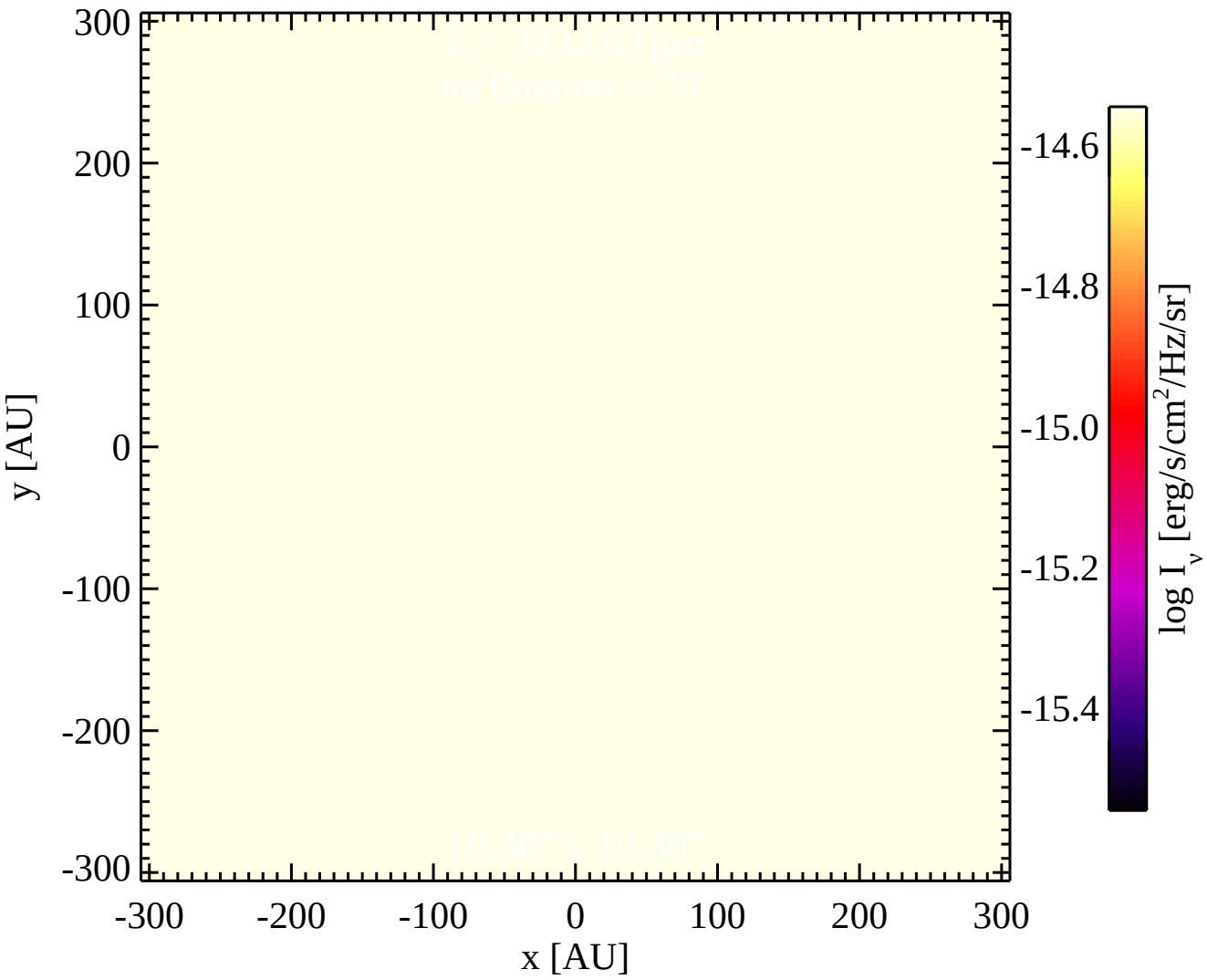

λ = 853.90 μm
inclination = 70°
11.02" x 11.02"
300
200
100
0
-100
-200
-300
y [AU]
-300
-200
-100
0
100
200
300
x [AU]
-14.6
-14.8
-15.0
-15.2
-15.4
log I_ν [erg/s/cm²/Hz/sr]


λ = 1114.39 μm
inclination = 70°
11.11" x 11.11"
300
200
100
0
-100
-200
-300
y [AU]
-300
-200
-100
0
100
200
300
x [AU]
-14.6
-14.8
-15.0
-15.2
-15.4
log I_ν [erg/s/cm²/Hz/sr]


λ = 1454.34 μm
inclination = 70°
11.11" x 11.11"
300
200
100
0
-100
-200
-300
y [AU]
-300
-200
-100
0
100
200
300
x [AU]
-14.6
-14.8
-15.0
-15.2
-15.4
log I_ν [erg/s/cm²/Hz/sr]


λ = 1898.00 μm
inclination = 70°
11.06" x 11.06"
300
200
100
0
-100
-200
-300
y [AU]
-300
-200
-100
0
100
200
300
x [AU]
-14.6
-14.8
-15.0
-15.2
-15.4
log I_ν [erg/s/cm²/Hz/sr]


λ = 2477.00 μm
inclination = 70°
11.89" x 11.89"
300
200
100
0
-100
-200
-300
y [AU]
-300
-200
-100
0
100
200
300
x [AU]
-14.6
-14.8
-15.0
-15.2
-15.4
log I_ν [erg/s/cm²/Hz/sr]


λ = 3232.63 μm
inclination = 70°
10.30" x 10.30"
300
200
100
0
-100
-200
-300
y [AU]
-300
-200
-100
0
100
200
300
x [AU]
-14.6
-14.8
-15.0
-15.2
-15.4
log I_ν [erg/s/cm²/Hz/sr]