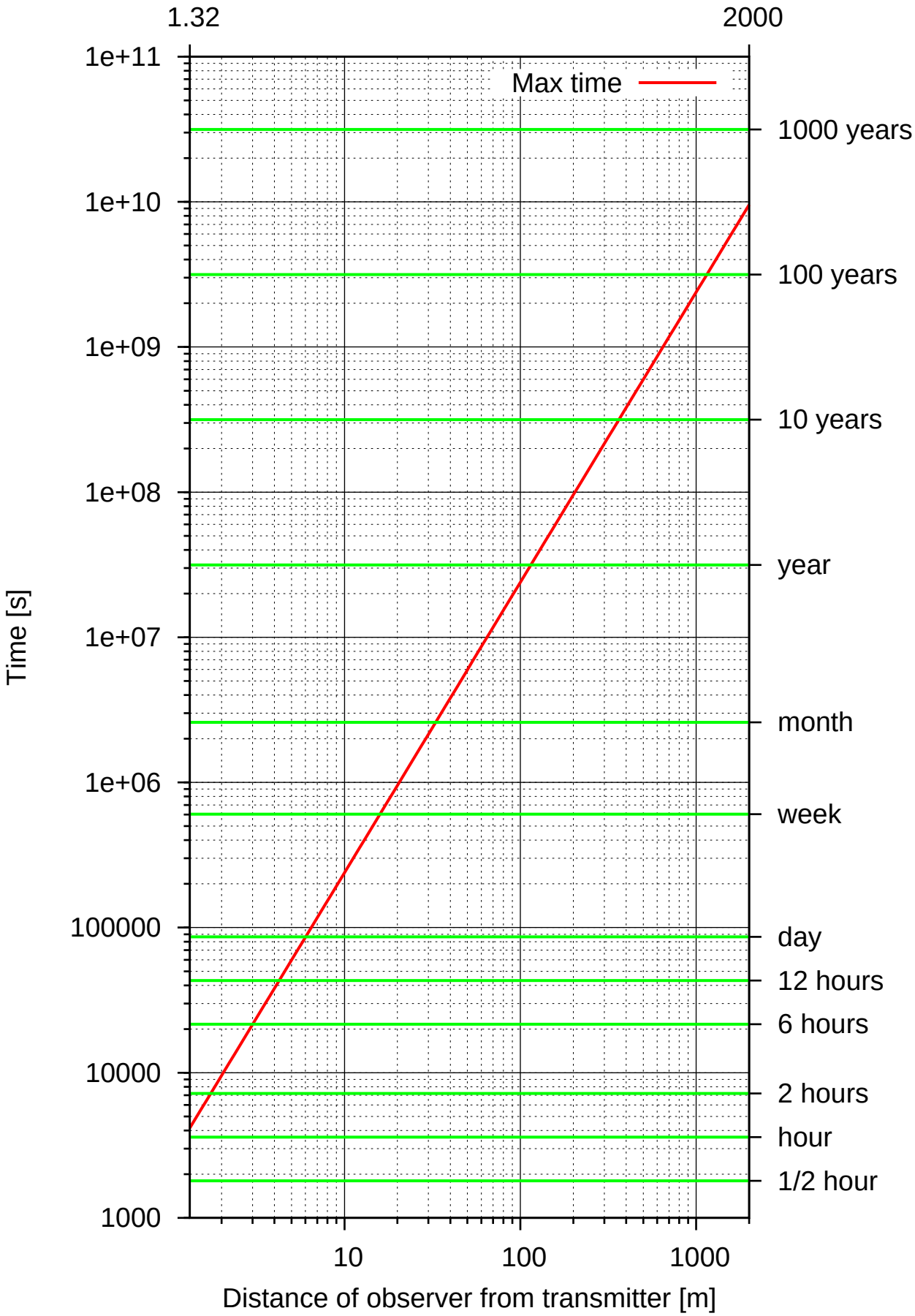
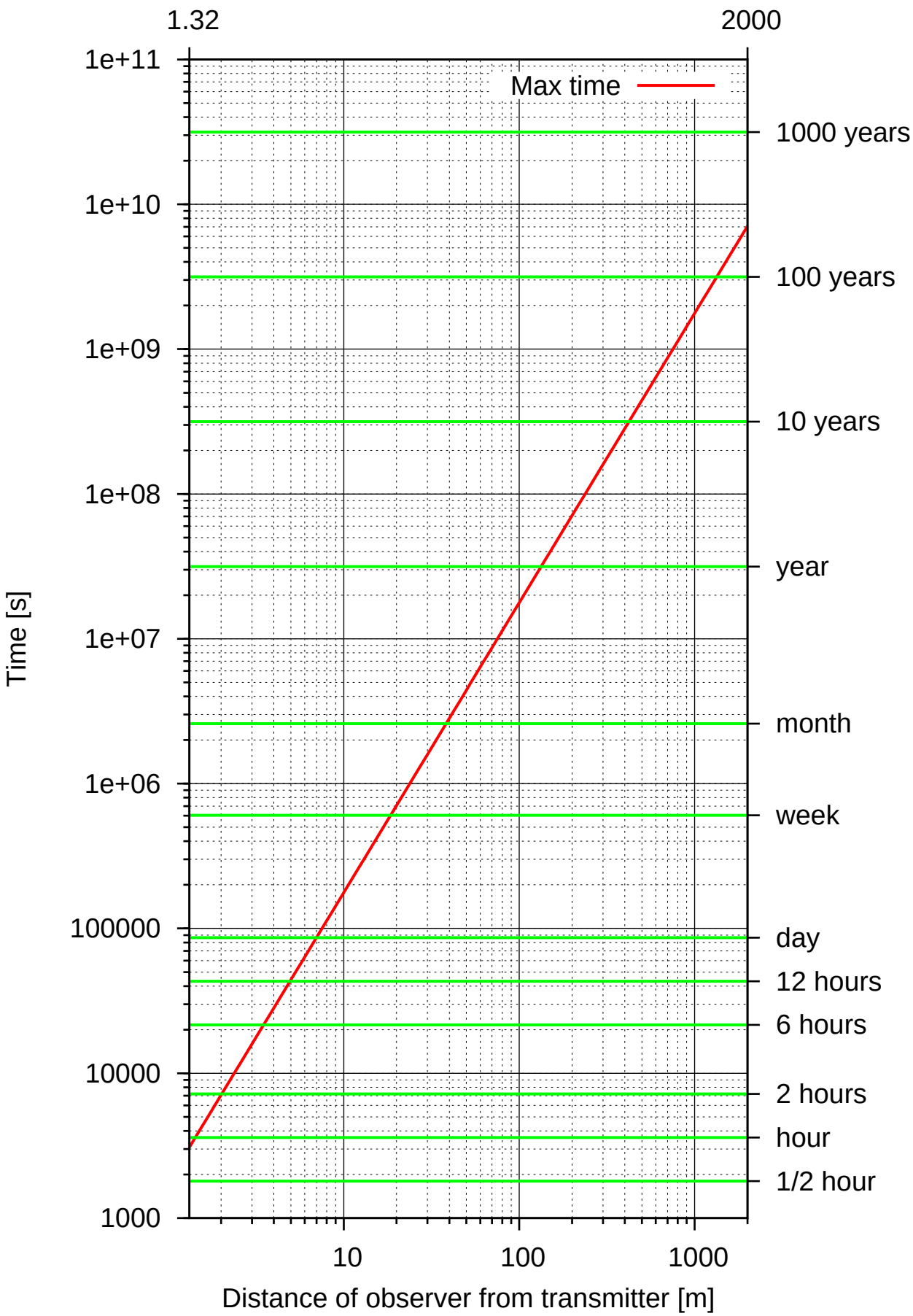
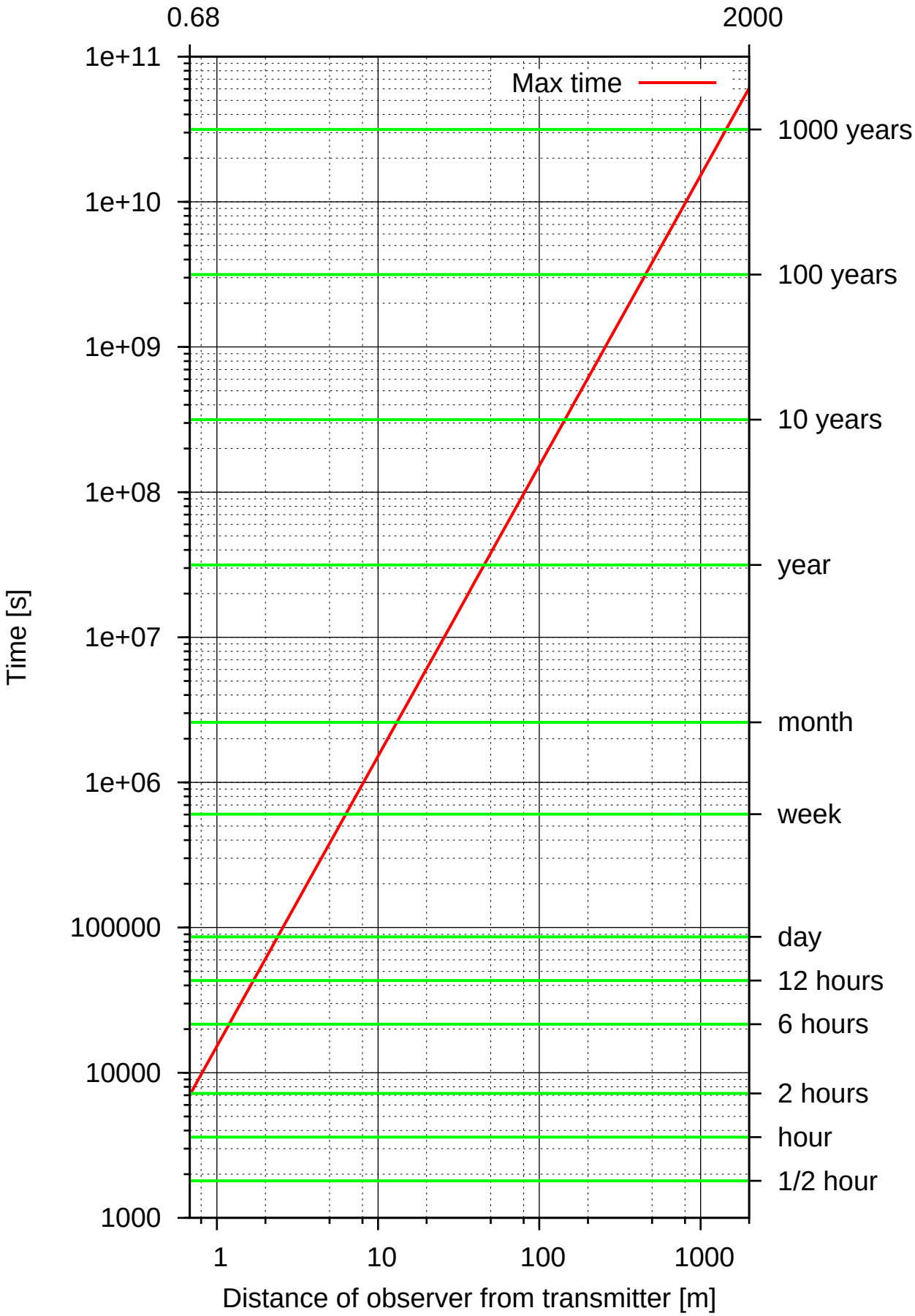
Par. 3b): Max. allowed exposure time for naked eye
60mm loupe, HSDL4220

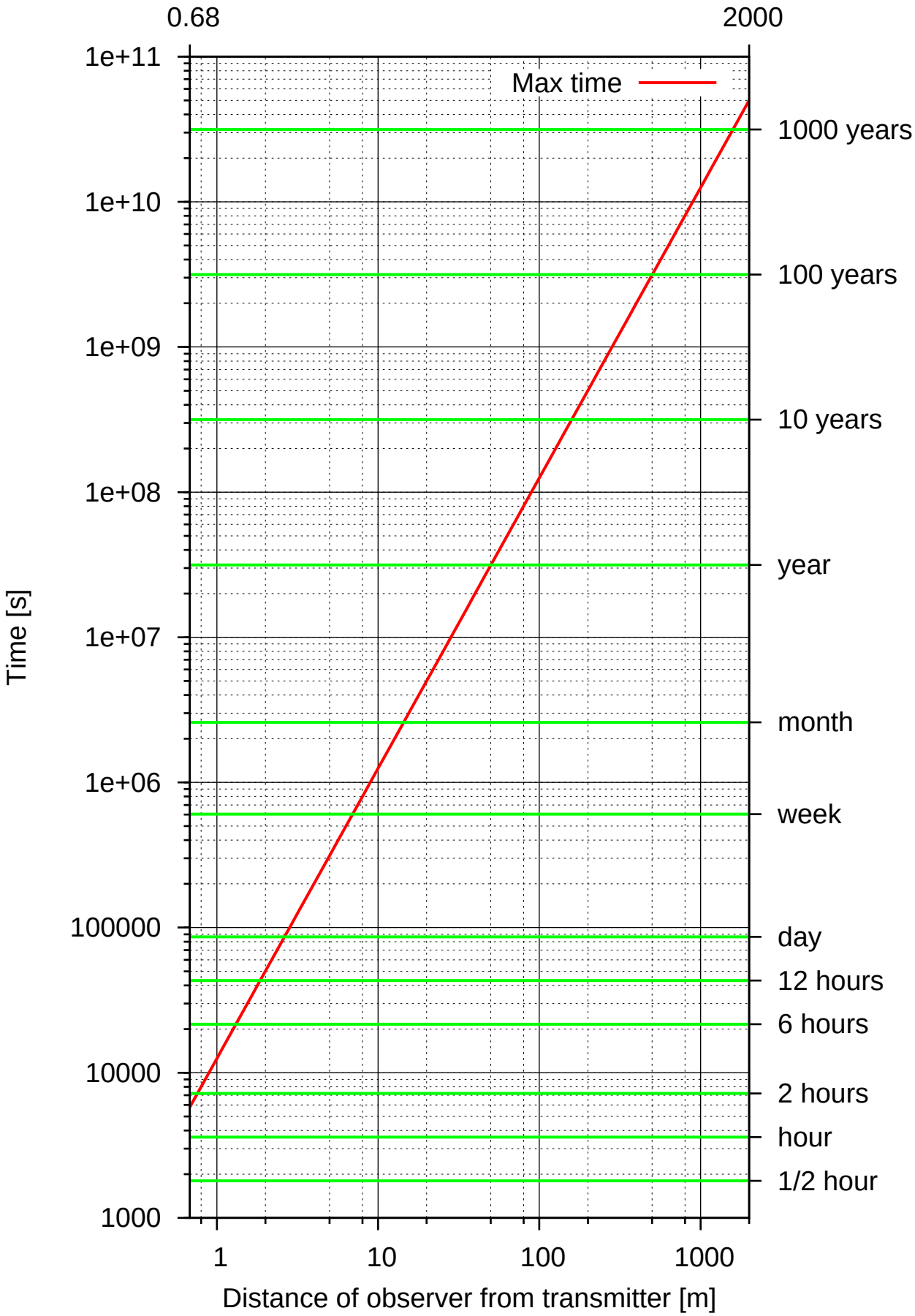



Par. 3b): Max. allowed exposure time for naked eye
60mm loupe, HSDL4230
1.32
2000
1e+11
1e+10
1e+09
1e+08
1e+07
1e+06
100000
10000
1000
Time [s]
Max time
1000 years
100 years
10 years
year
month
week
day
12 hours
6 hours
2 hours
hour
1/2 hour
10
100
1000
Distance of observer from transmitter [m]

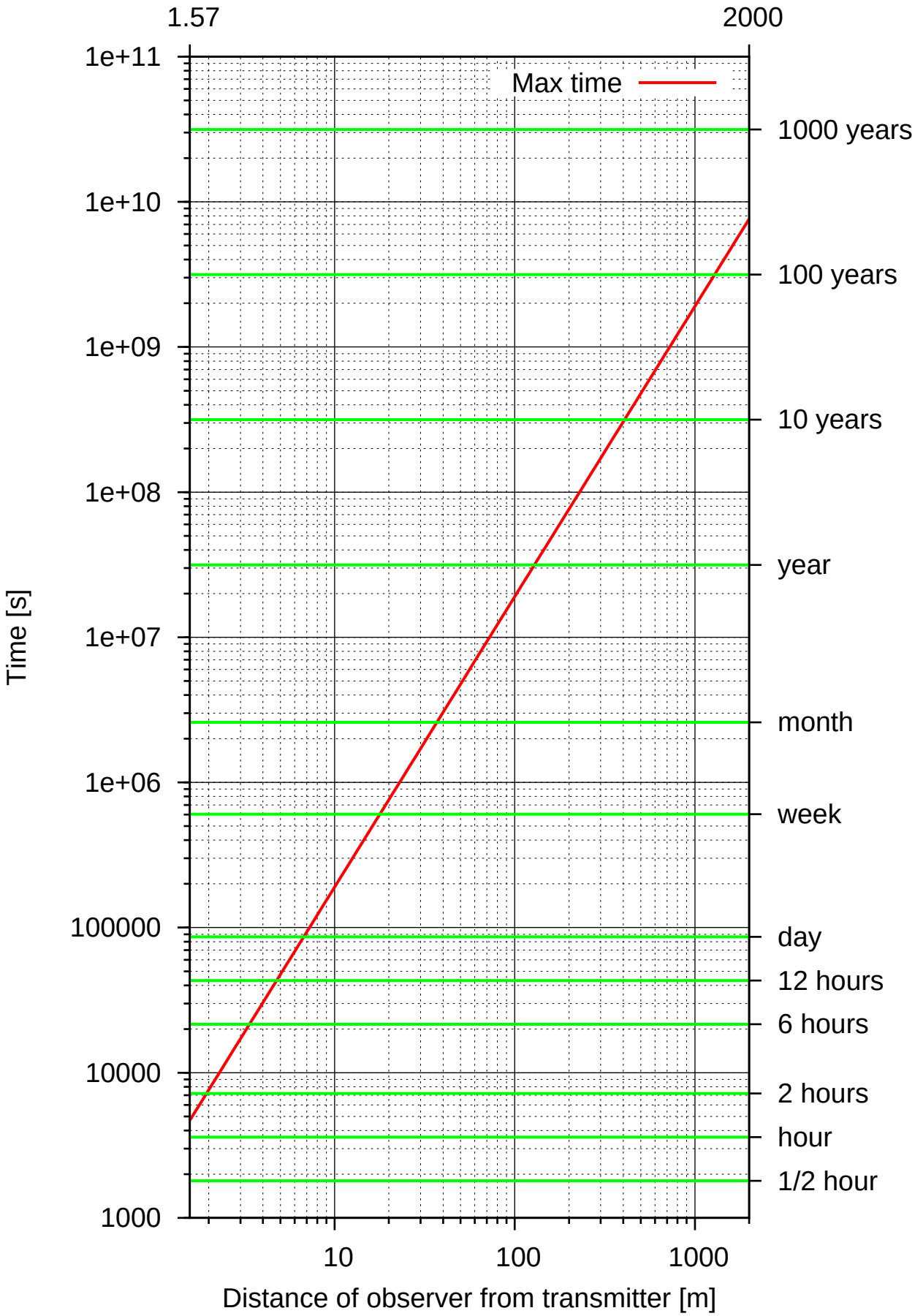
Par. 3b): Max. allowed exposure time for naked eye
75mm loupe, HSDL4220



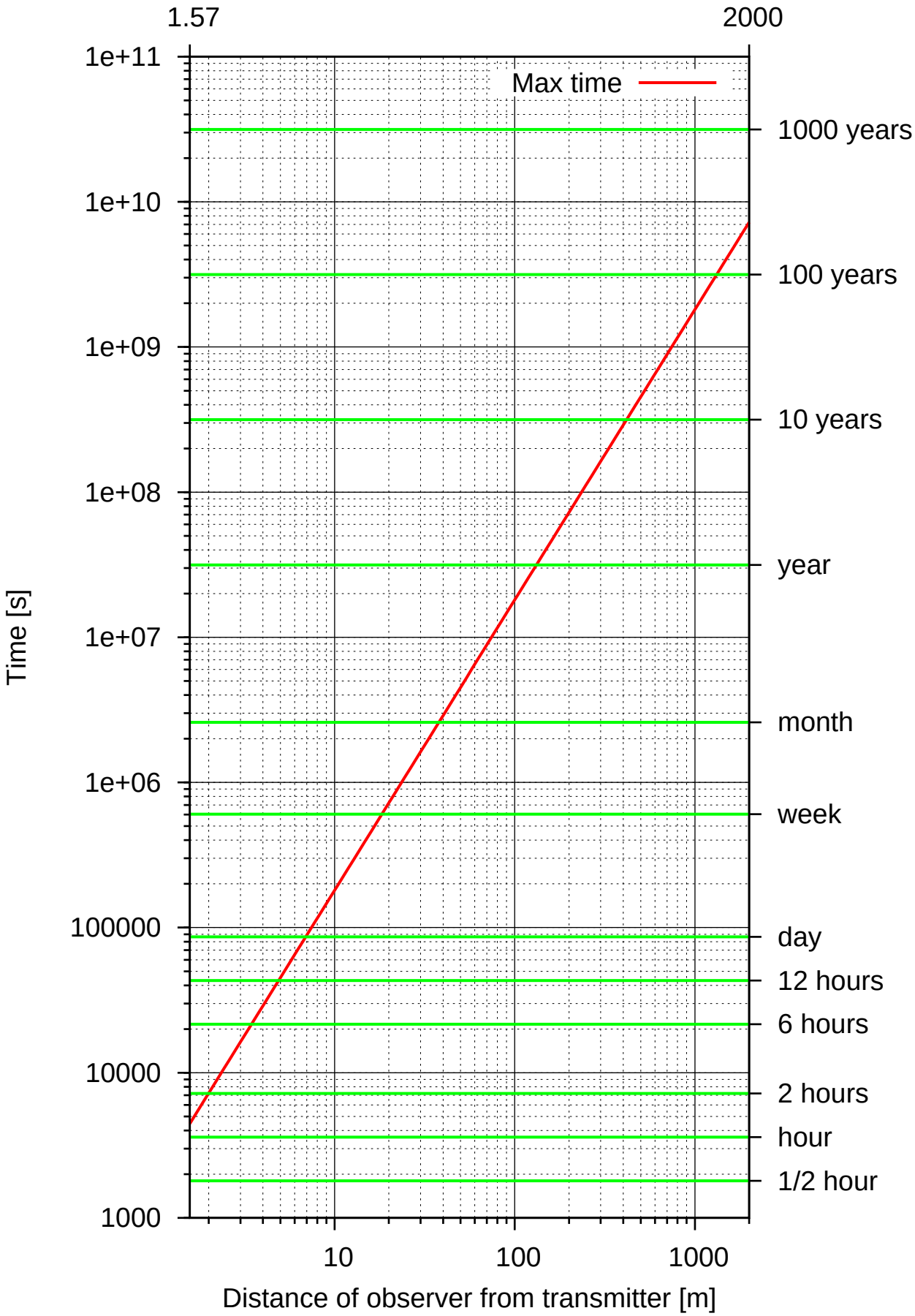
Par. 3b): Max. allowed exposure time for naked eye
75mm loupe, HSDL4230



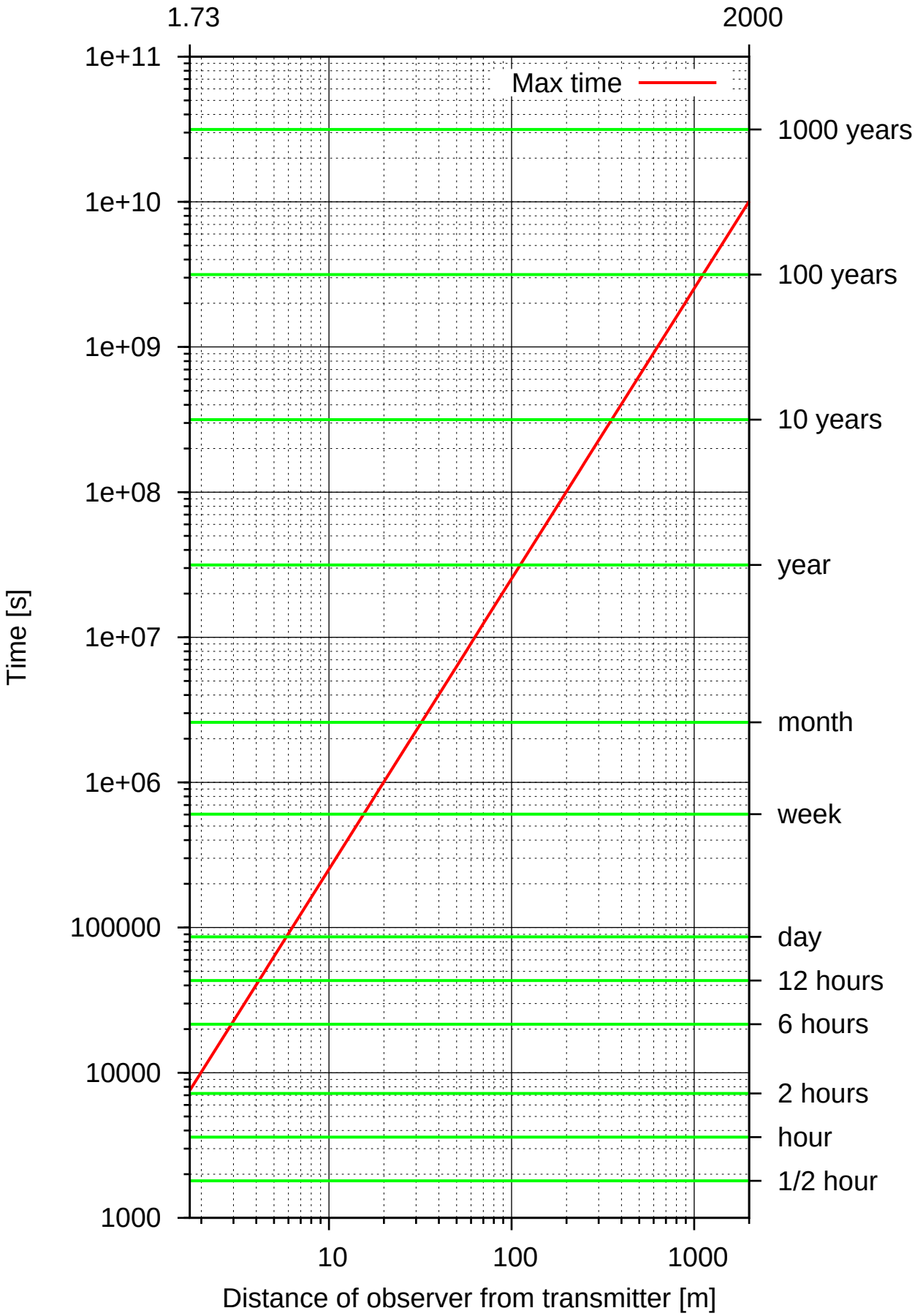
Par. 3b): Max. allowed exposure time for naked eye
80mm loupe, HSDL4220



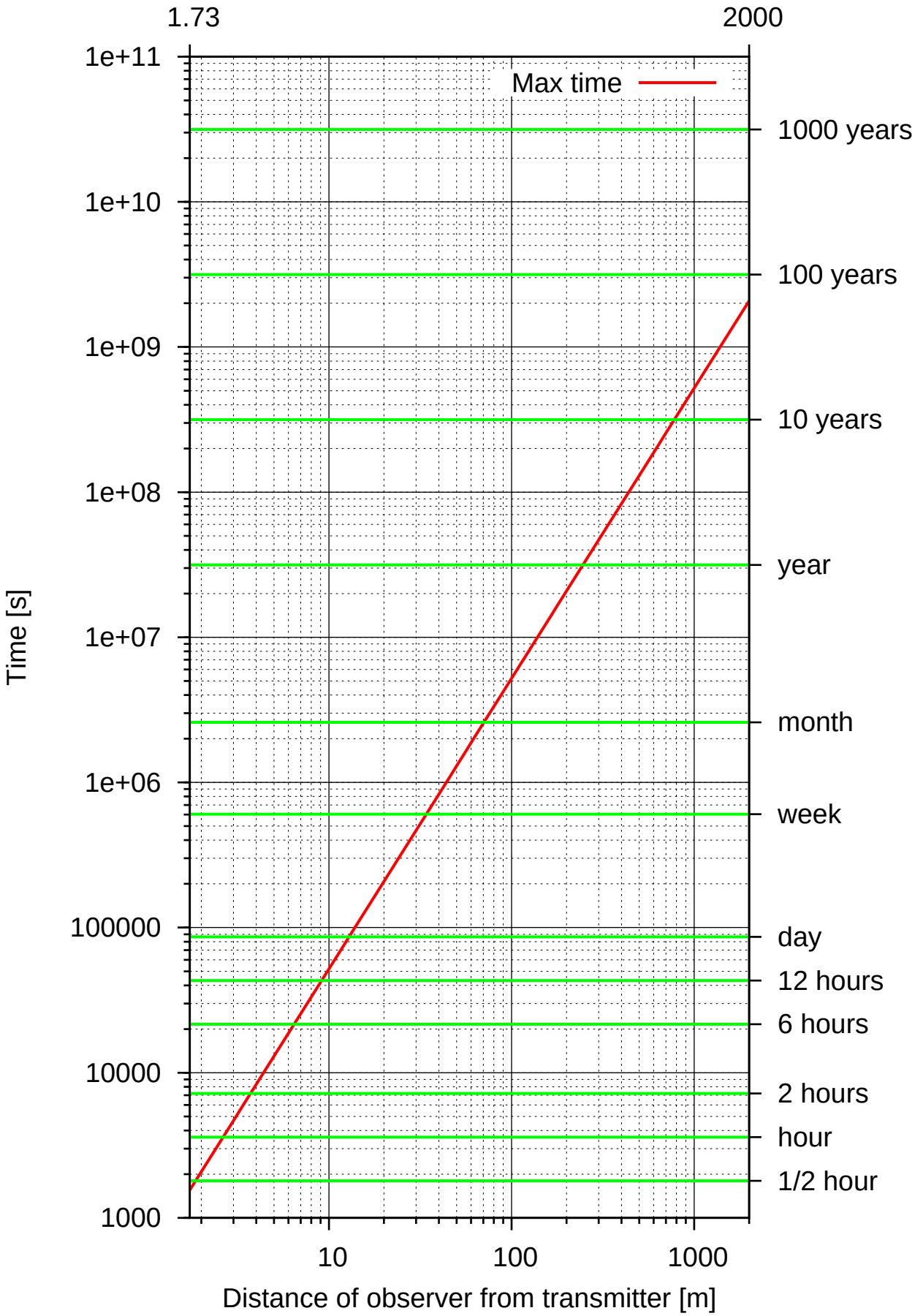
Par. 3b): Max. allowed exposure time for naked eye
80mm loupe, HSDL4230



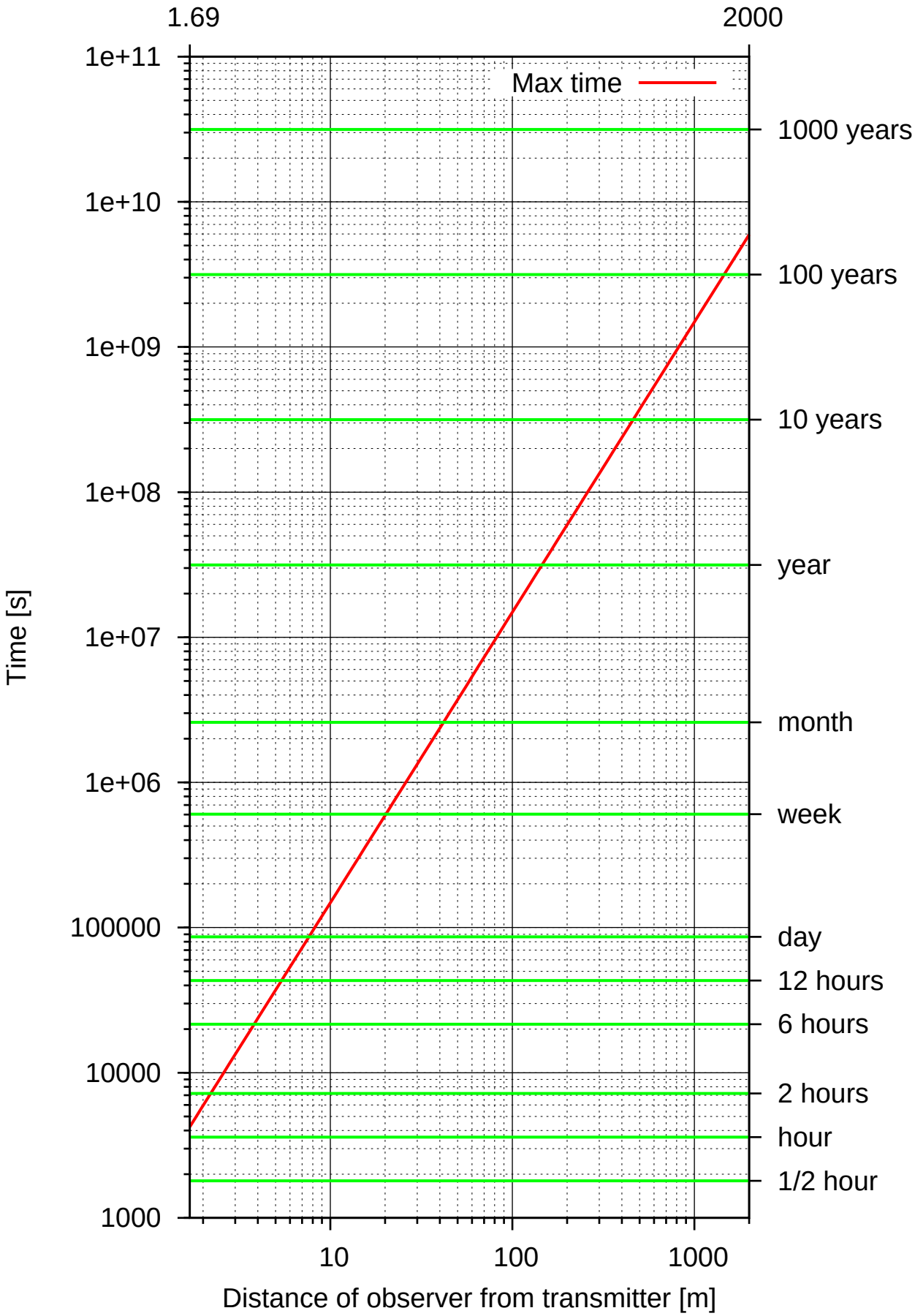
Par. 3b): Max. allowed exposure time for naked eye
90mm loupe, HSDL4220



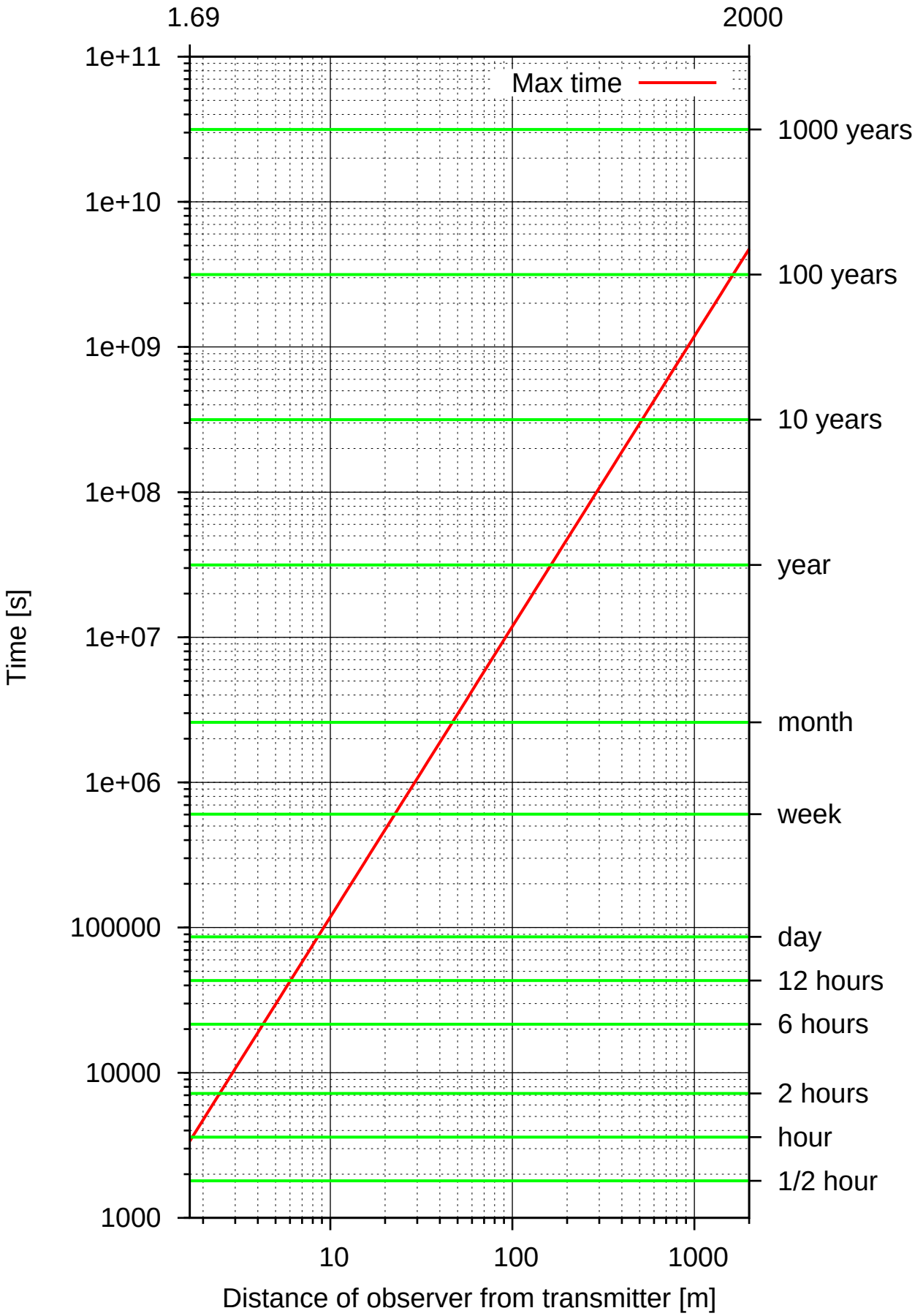
Par. 3b): Max. allowed exposure time for naked eye
90mm loupe, HSDL4230

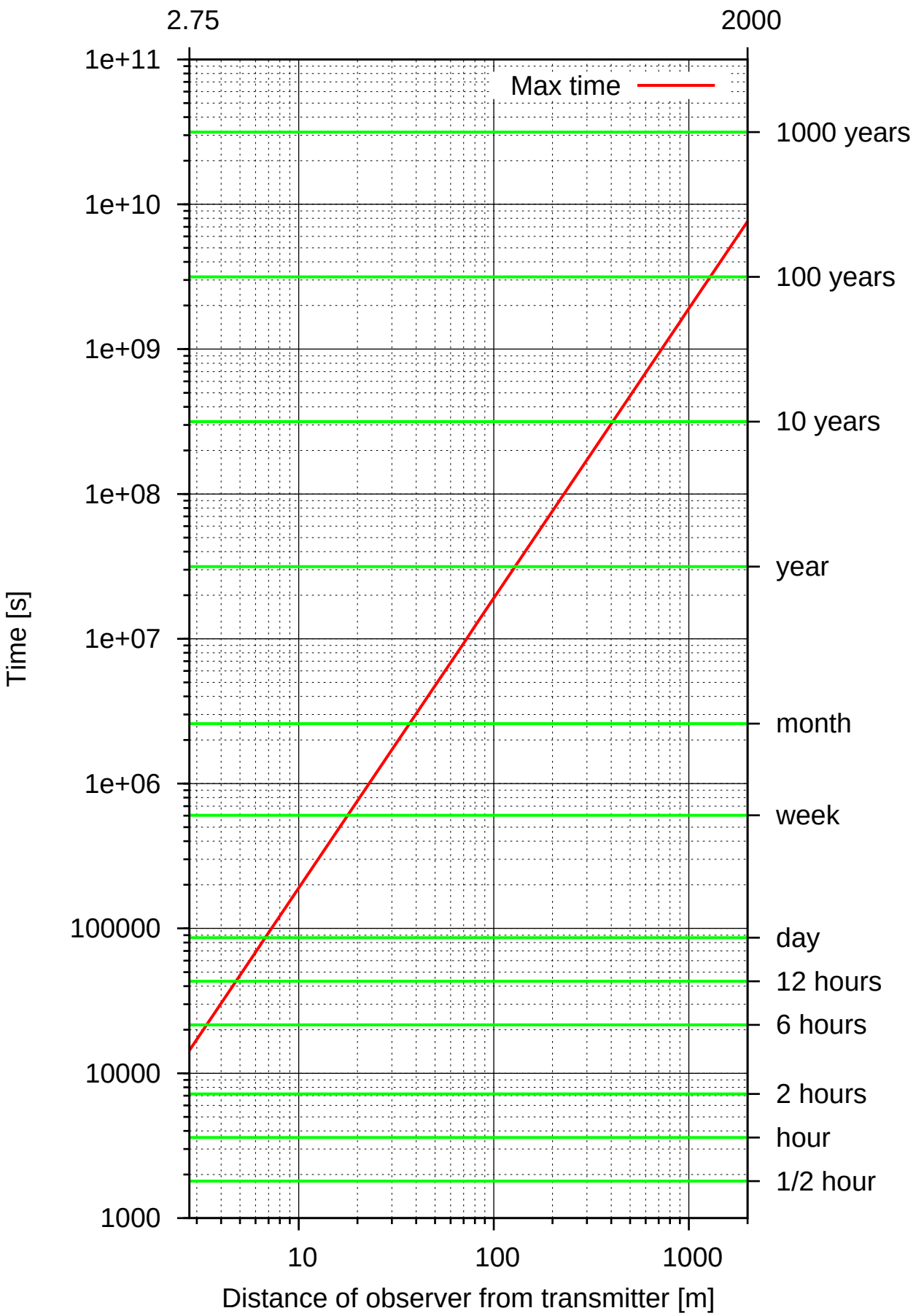


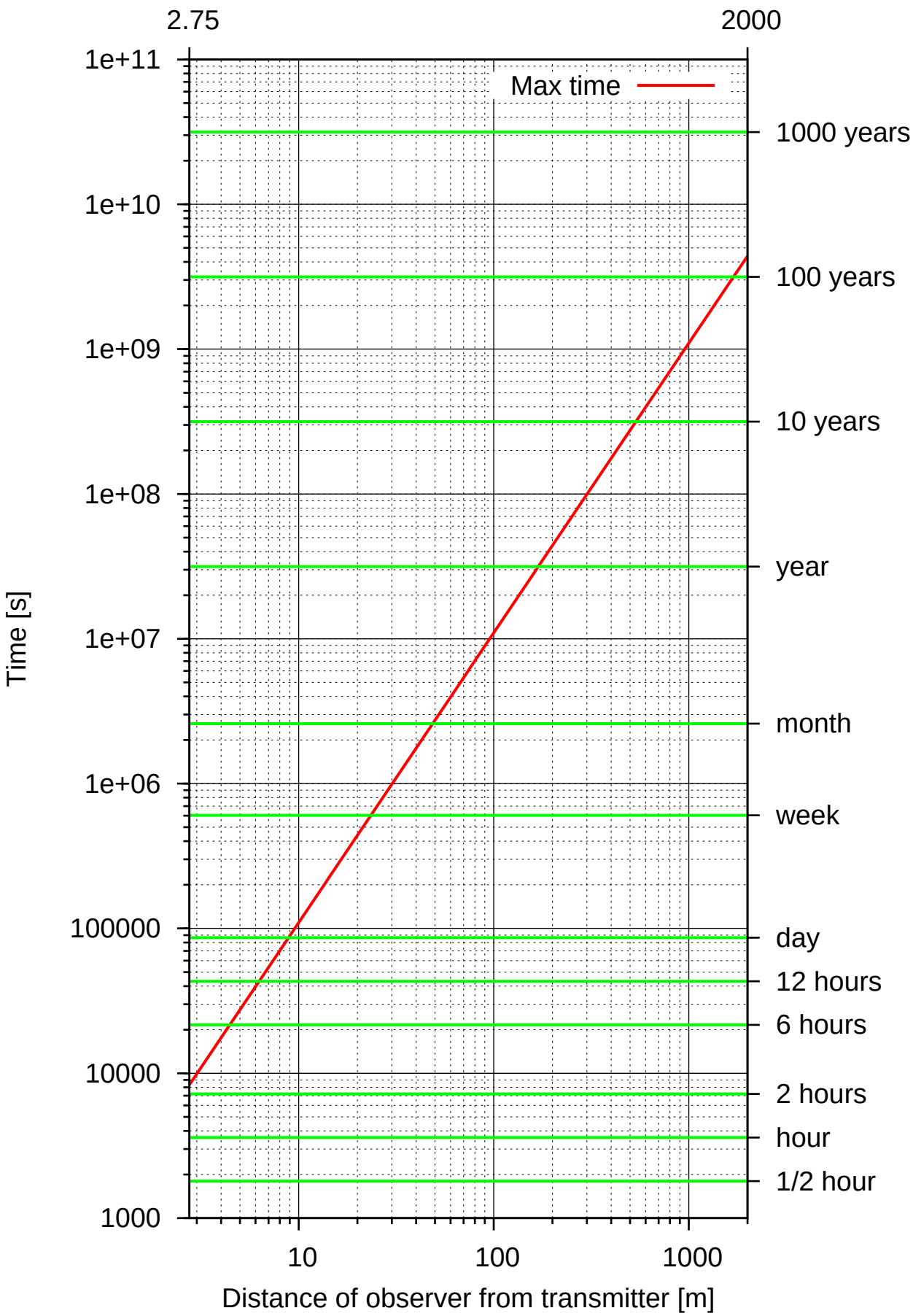
Par. 3b): Max. allowed exposure time for naked eye
100mm loupe, HSDL4220



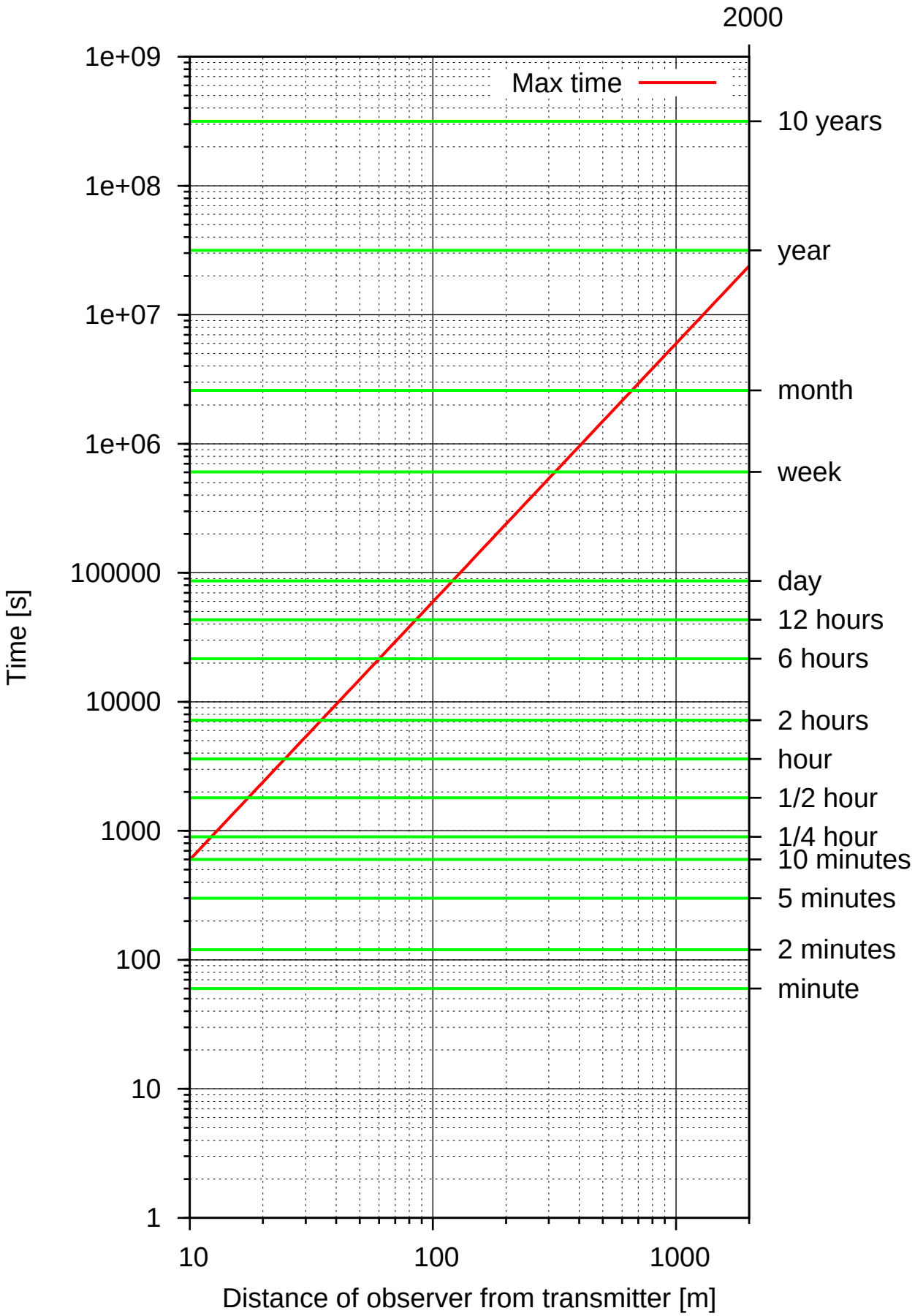
Par. 3b): Max. allowed exposure time for naked eye
100mm loupe, HSDL4230



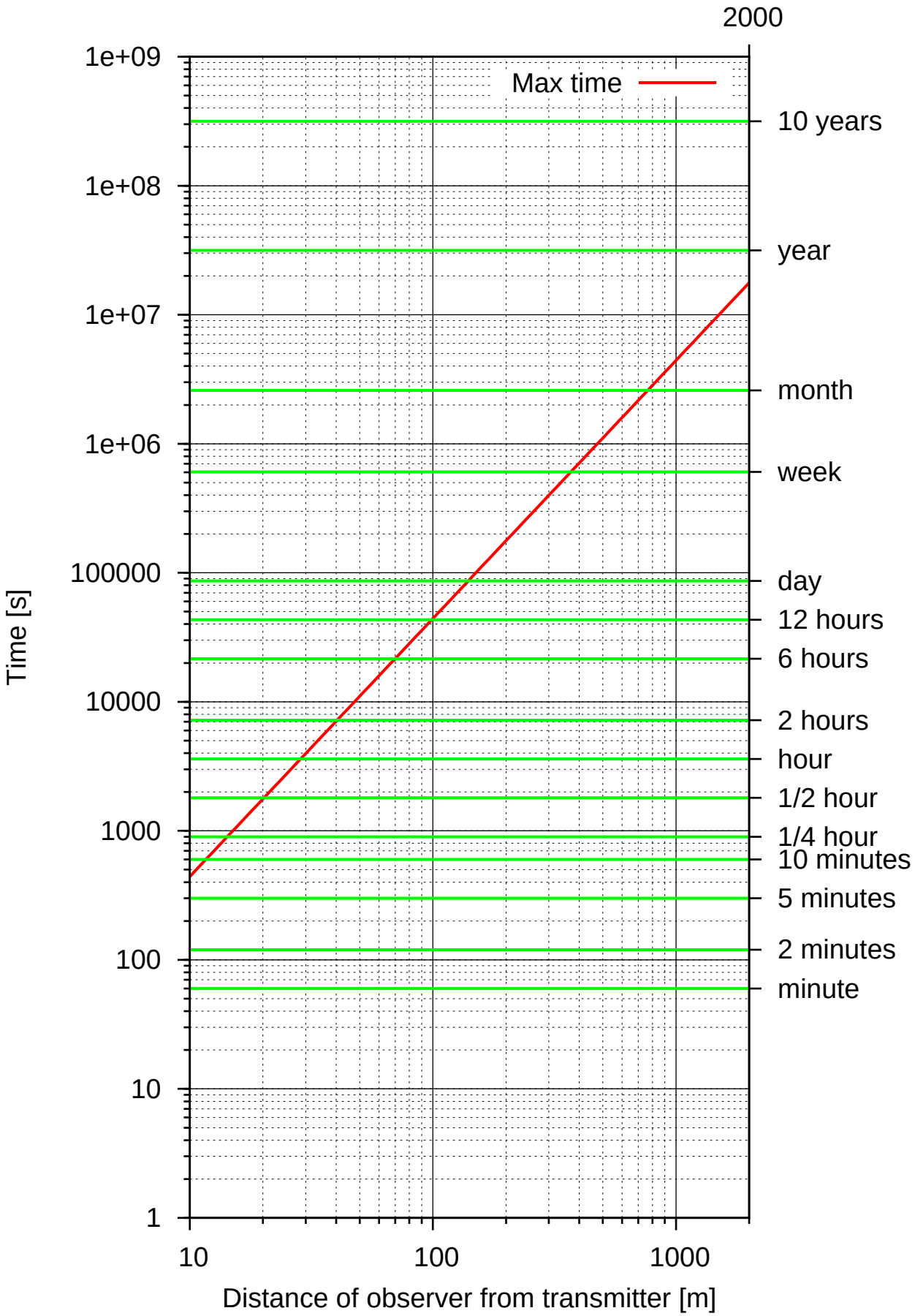

Par. 3b): Max. allowed exposure time for naked eye
130mm loupe, HSDL4220
2.75
2000
Max time
1e+11
1e+10
1e+09
1e+08
1e+07
1e+06
100000
10000
1000
1000 years
100 years
10 years
year
month
week
day
12 hours
6 hours
2 hours
hour
1/2 hour
Time [s]
10
100
1000
Distance of observer from transmitter [m]


Par. 3b): Max. allowed exposure time for naked eye
130mm loupe, HSDL4230
2.75
2000
Max time
1e+11
1e+10
1e+09
1e+08
1e+07
1e+06
100000
10000
1000
1000 years
100 years
10 years
year
month
week
day
12 hours
6 hours
2 hours
hour
1/2 hour
Time [s]
10
100
1000
Distance of observer from transmitter [m]

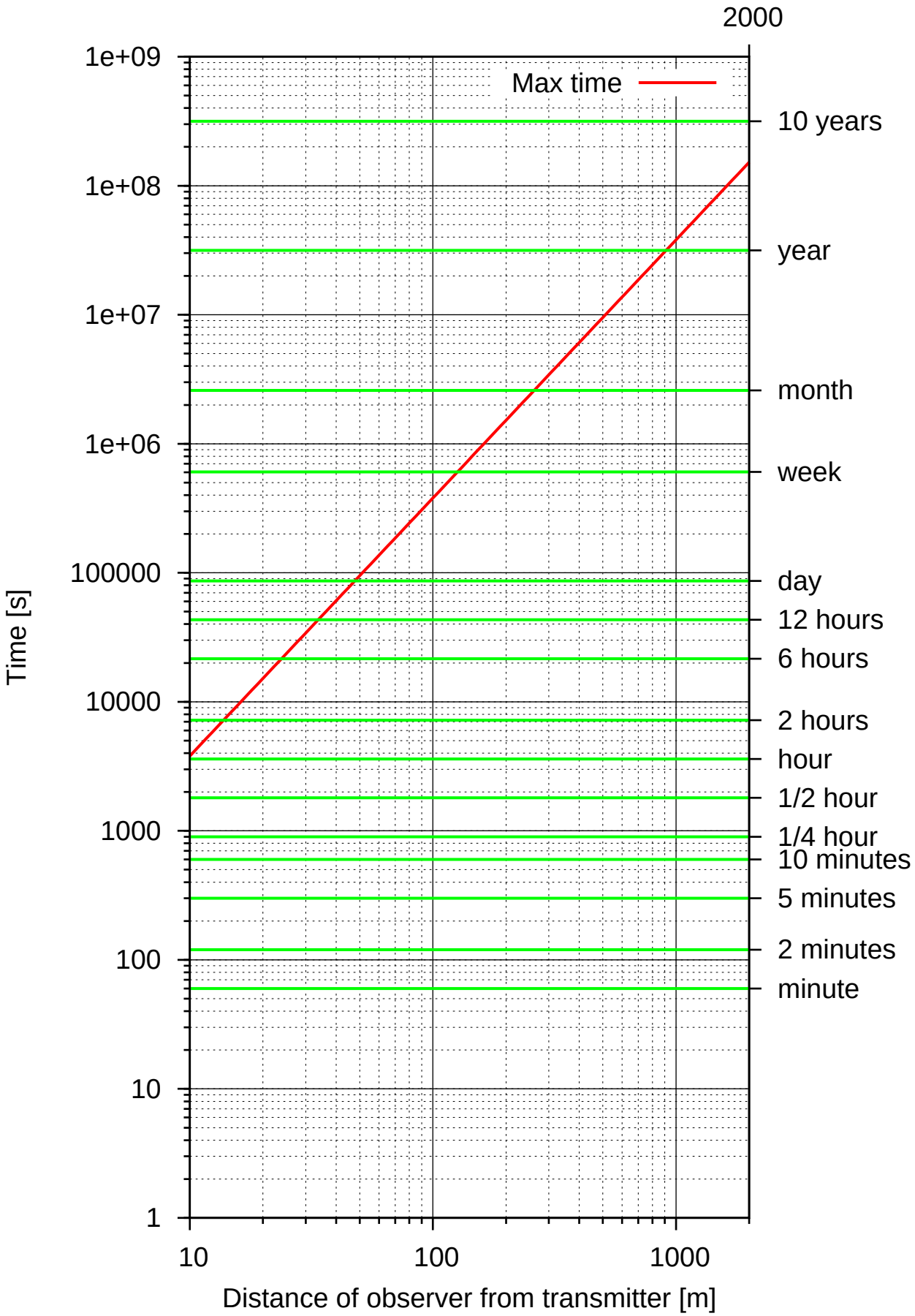
Par. 3b): Max. allowed exposure time for 20x telescope
60mm loupe, HSDL4220



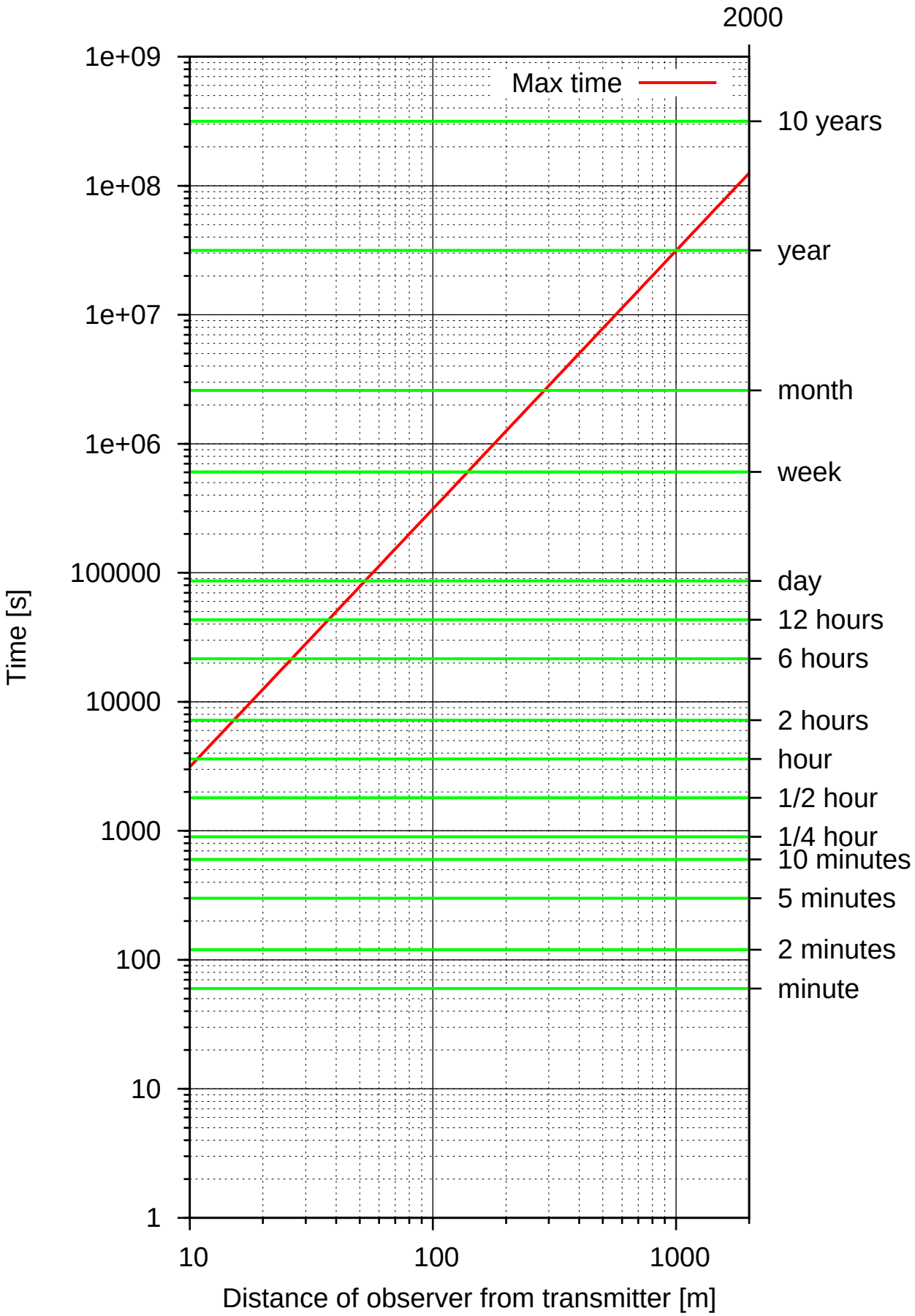
Par. 3b): Max. allowed exposure time for 20x telescope
60mm loupe, HSDL4230



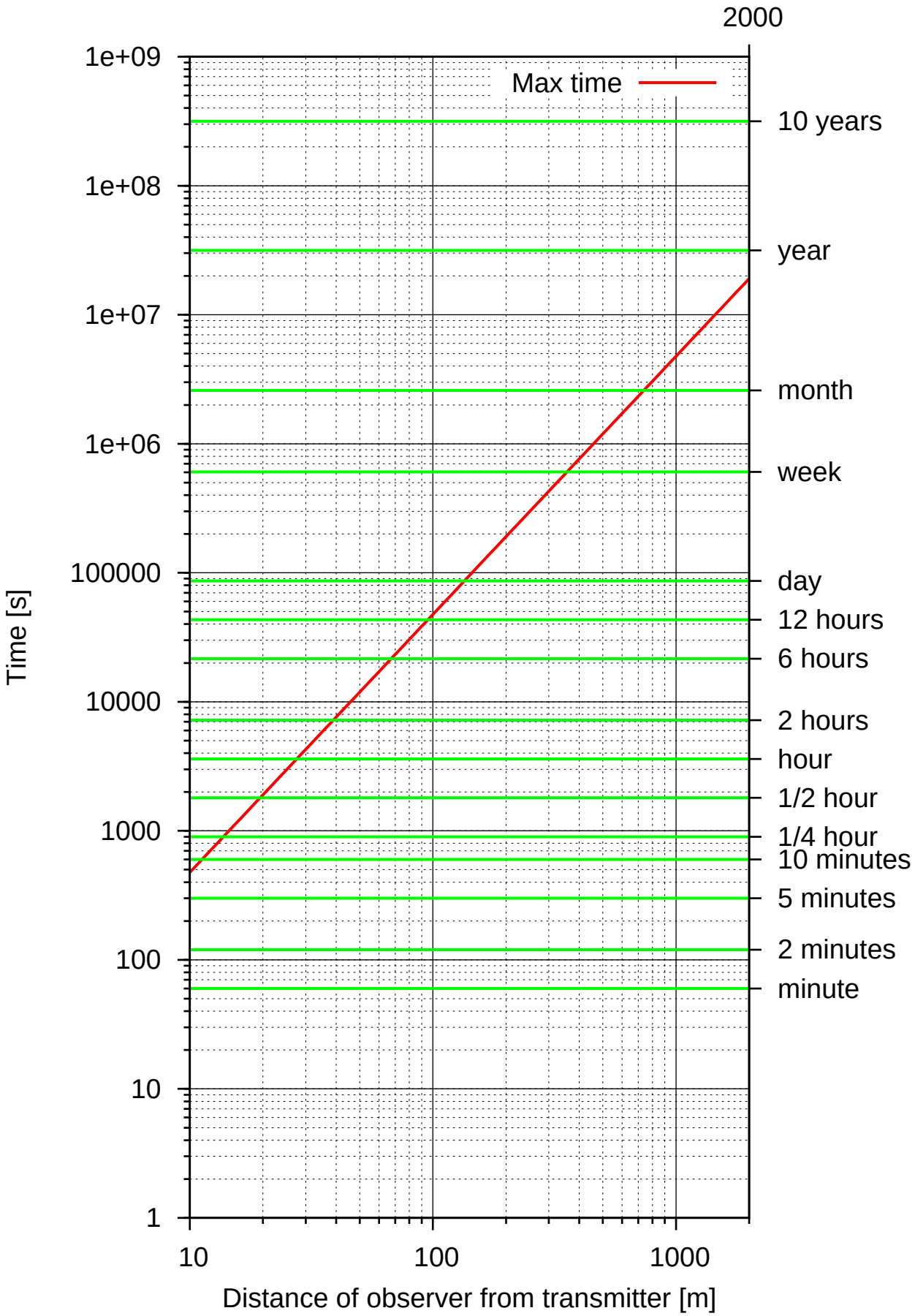
Par. 3b): Max. allowed exposure time for 20x telescope
75mm loupe, HSDL4220



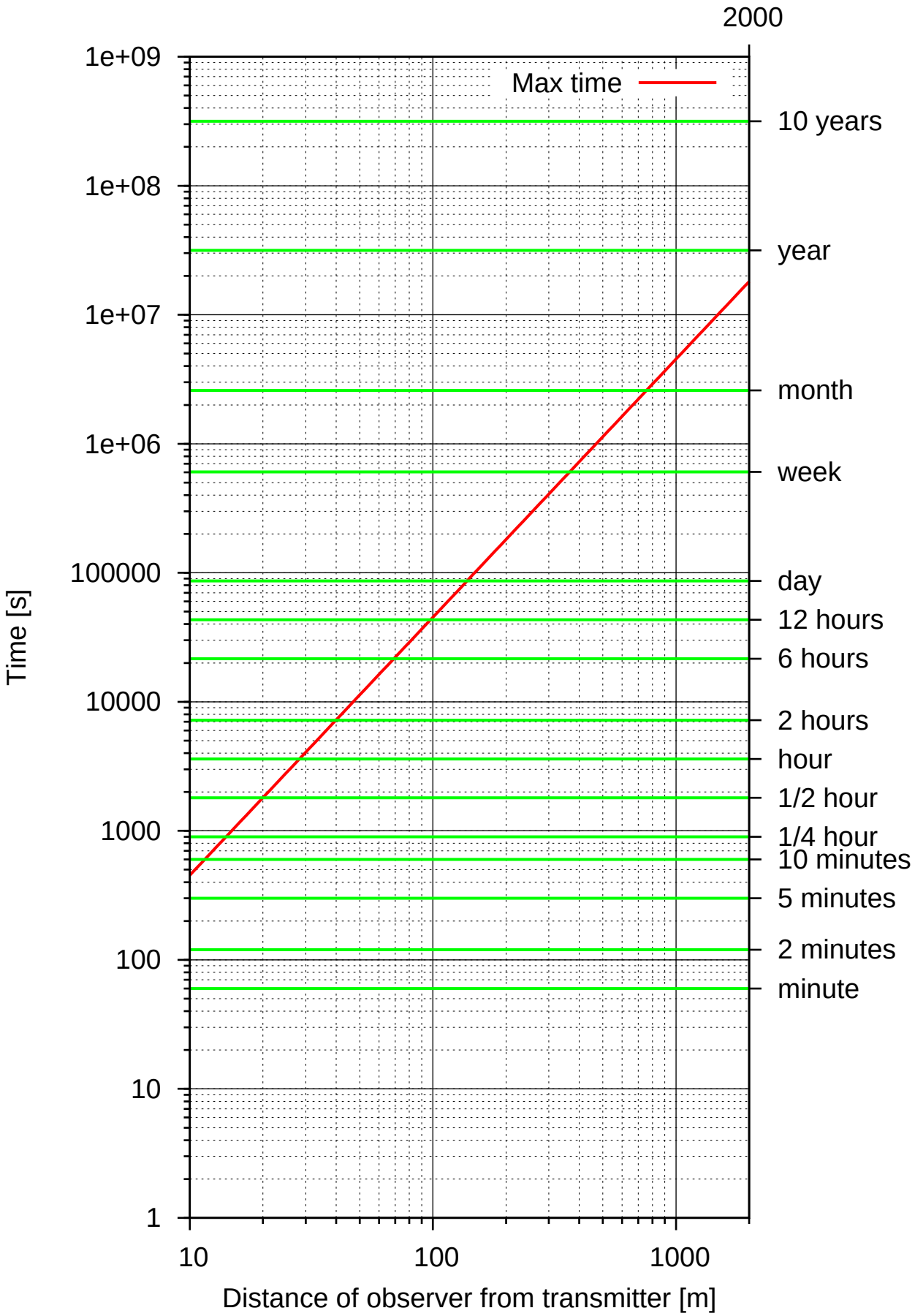
Par. 3b): Max. allowed exposure time for 20x telescope
75mm loupe, HSDL4230



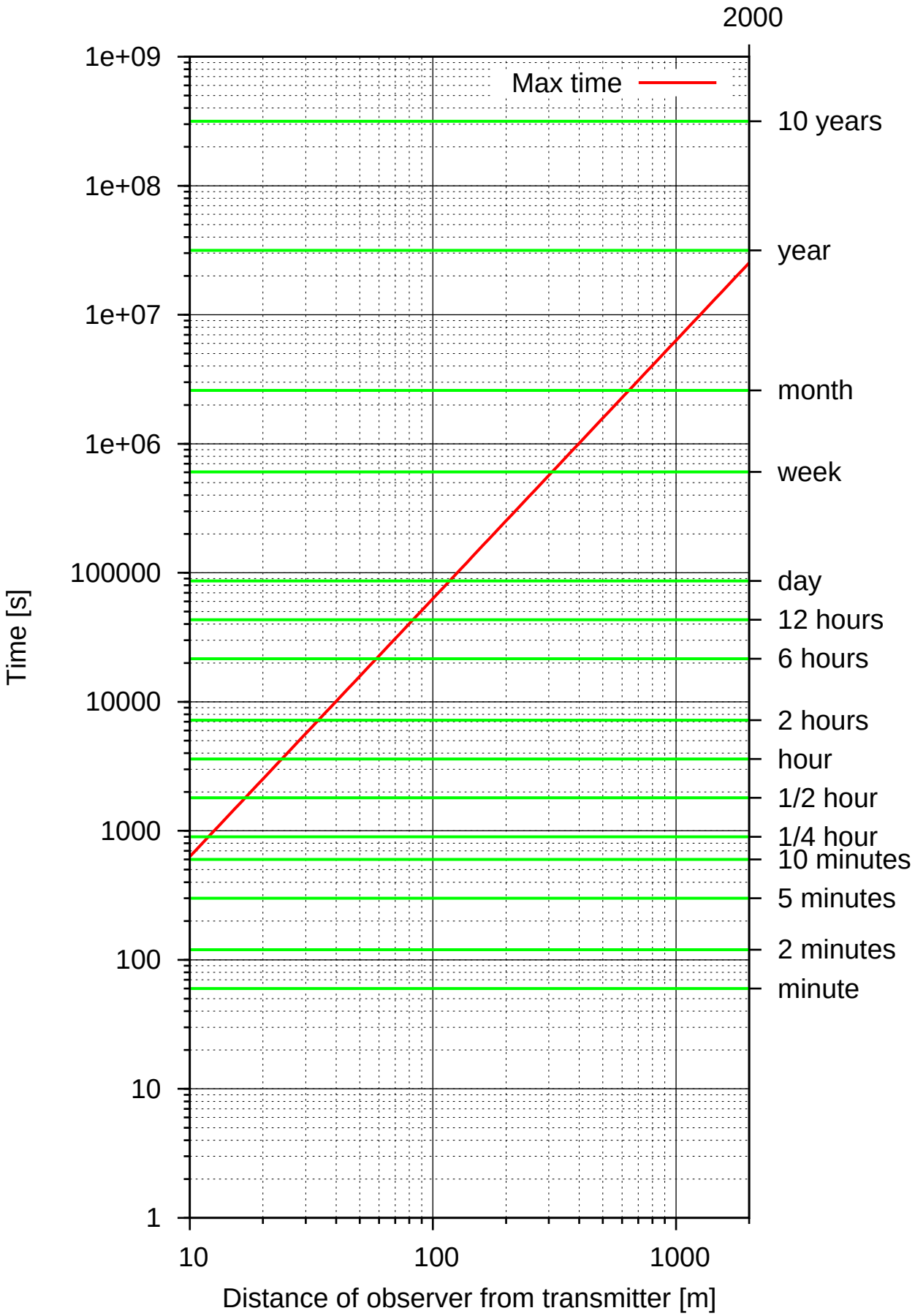
Par. 3b): Max. allowed exposure time for 20x telescope
80mm loupe, HSDL4220



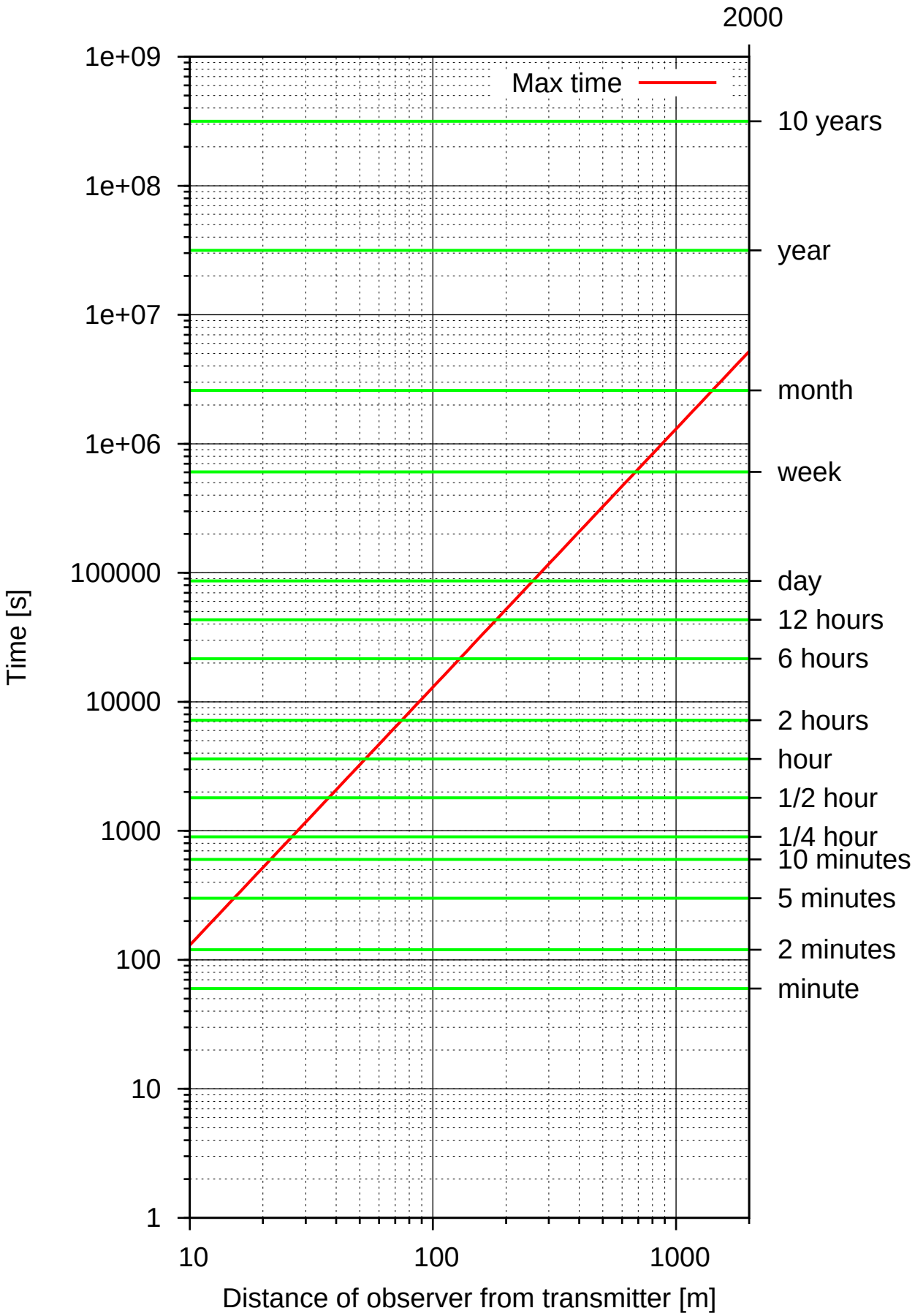
Par. 3b): Max. allowed exposure time for 20x telescope
80mm loupe, HSDL4230



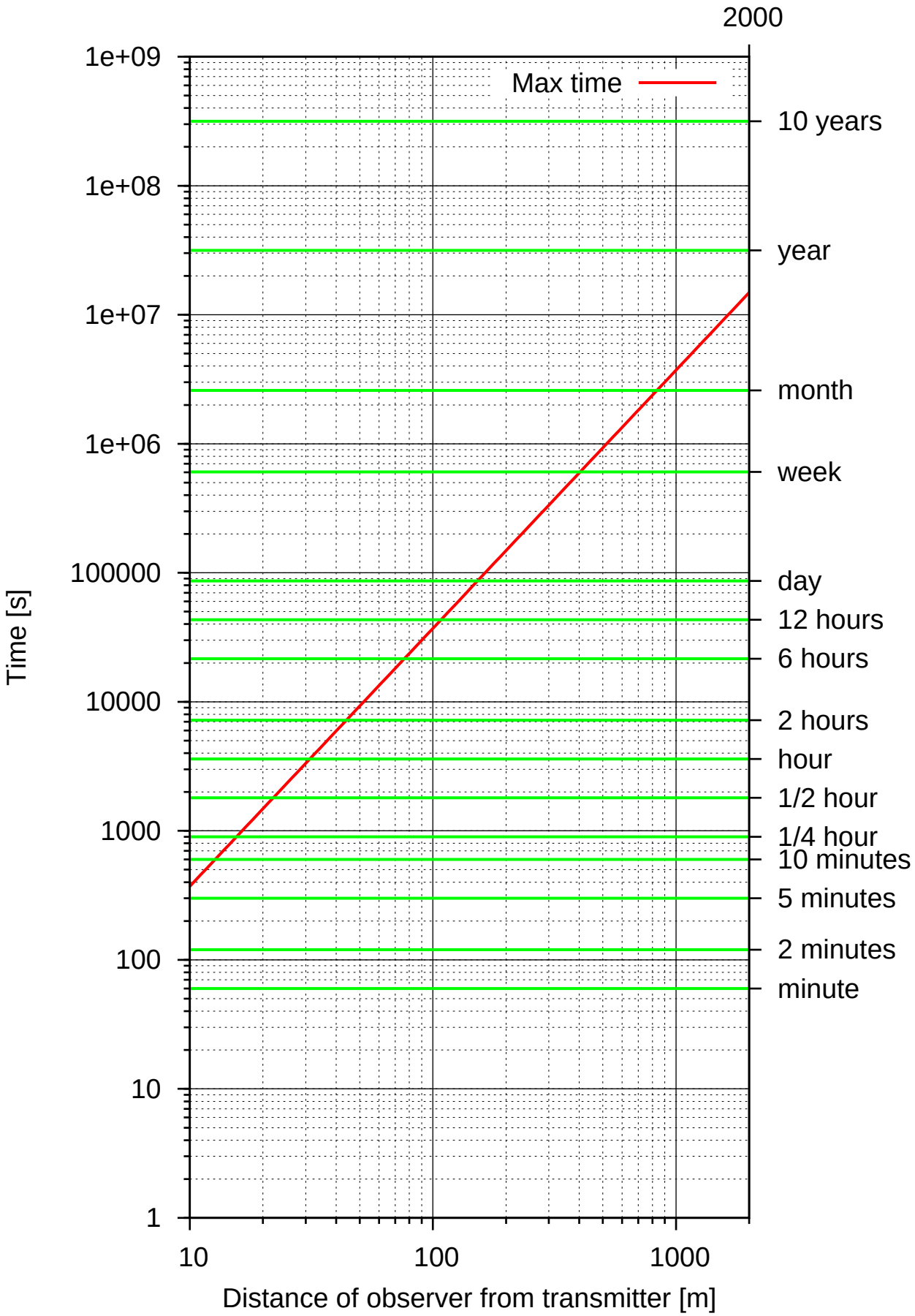
Par. 3b): Max. allowed exposure time for 20x telescope
90mm loupe, HSDL4220



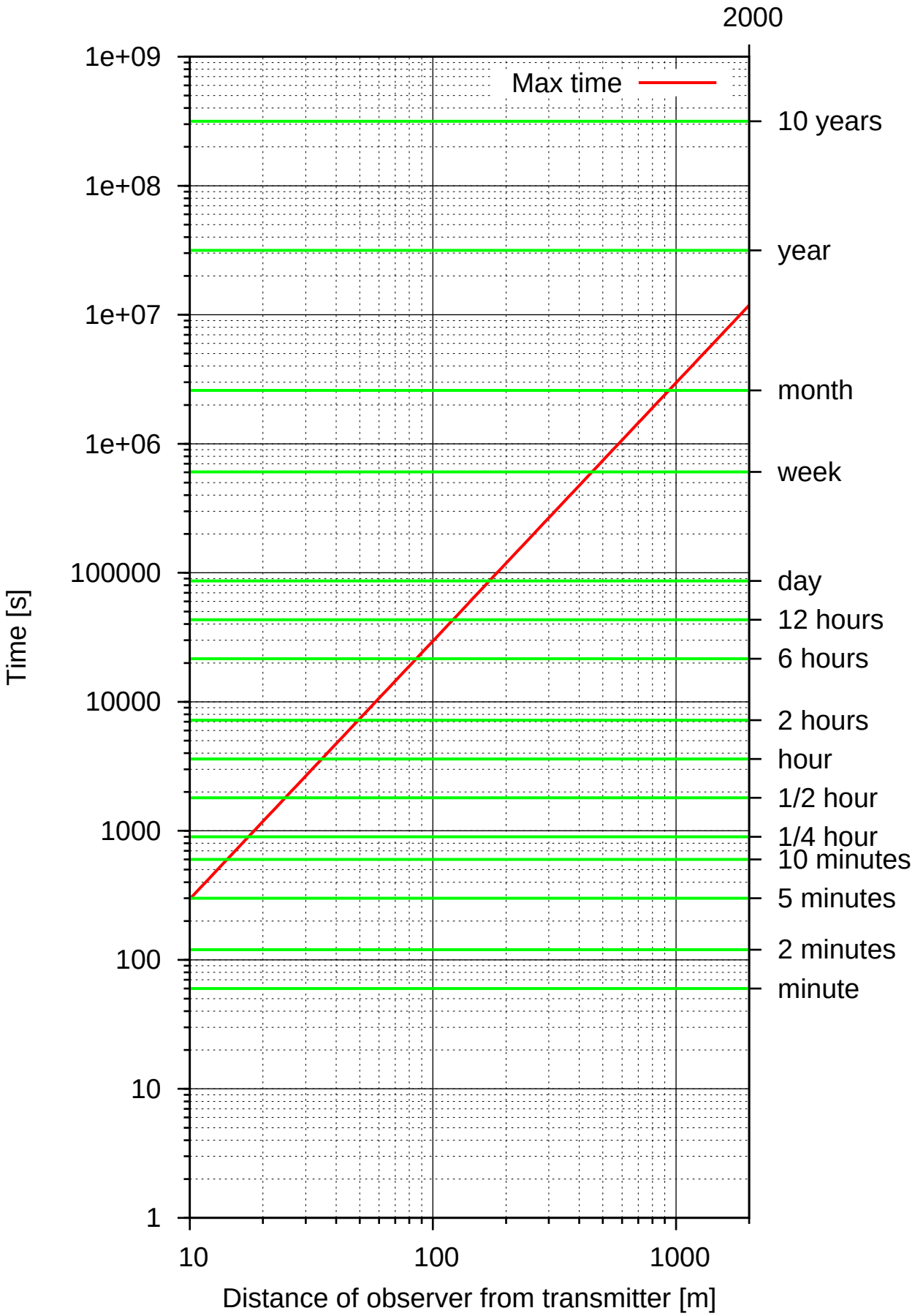
Par. 3b): Max. allowed exposure time for 20x telescope
90mm loupe, HSDL4230



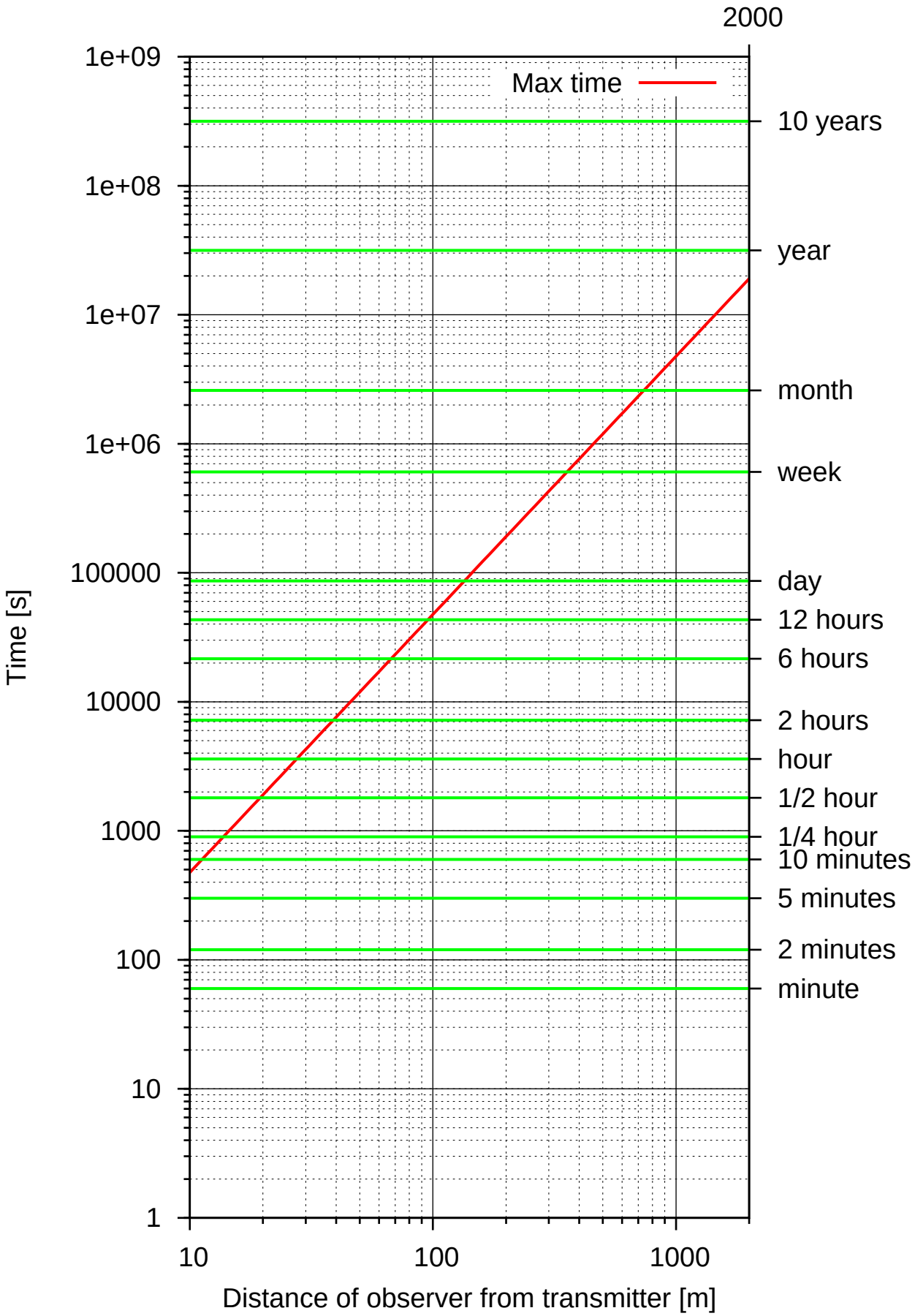
Par. 3b): Max. allowed exposure time for 20x telescope
100mm loupe, HSDL4220



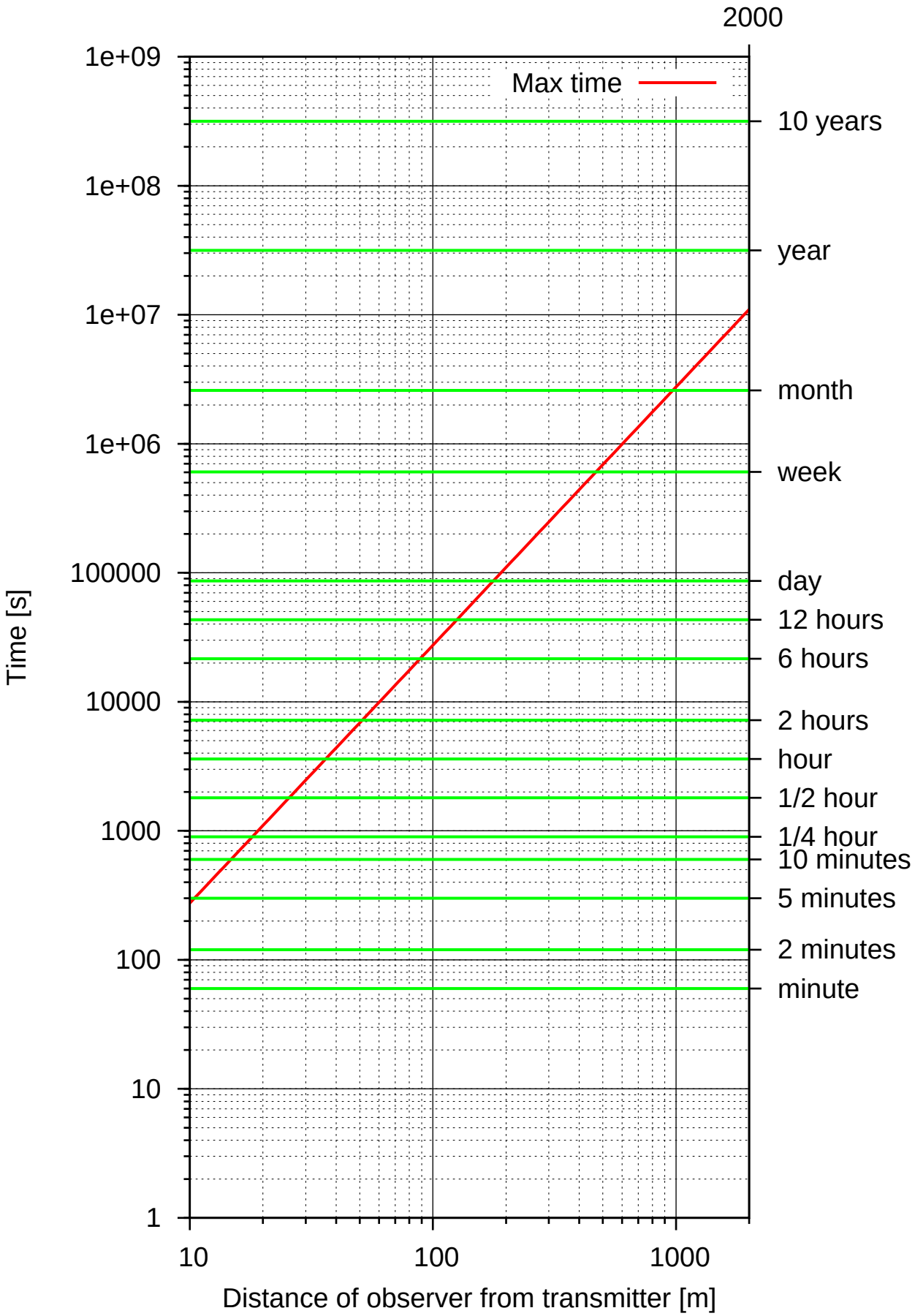
Par. 3b): Max. allowed exposure time for 20x telescope
100mm loupe, HSDL4230

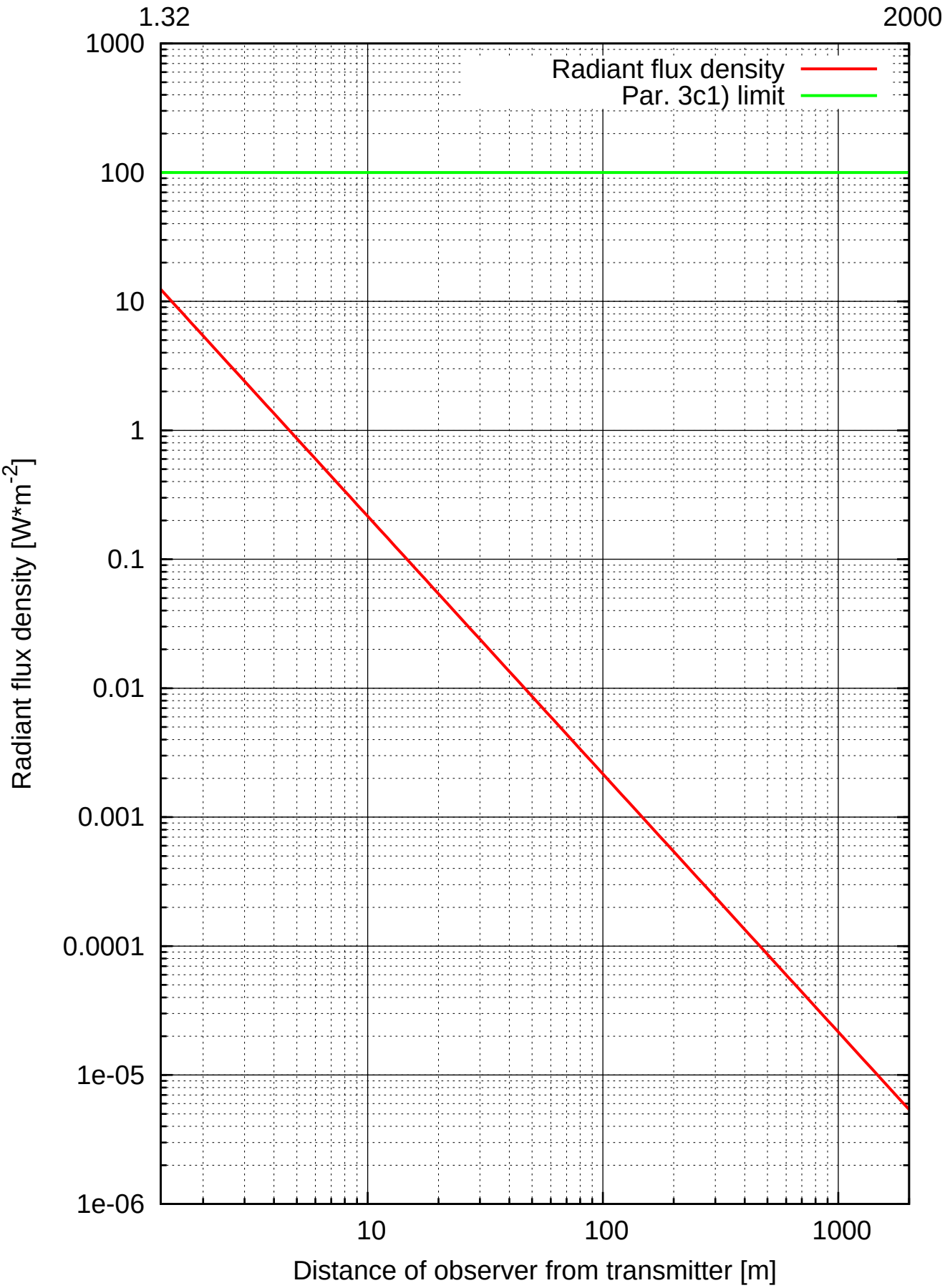


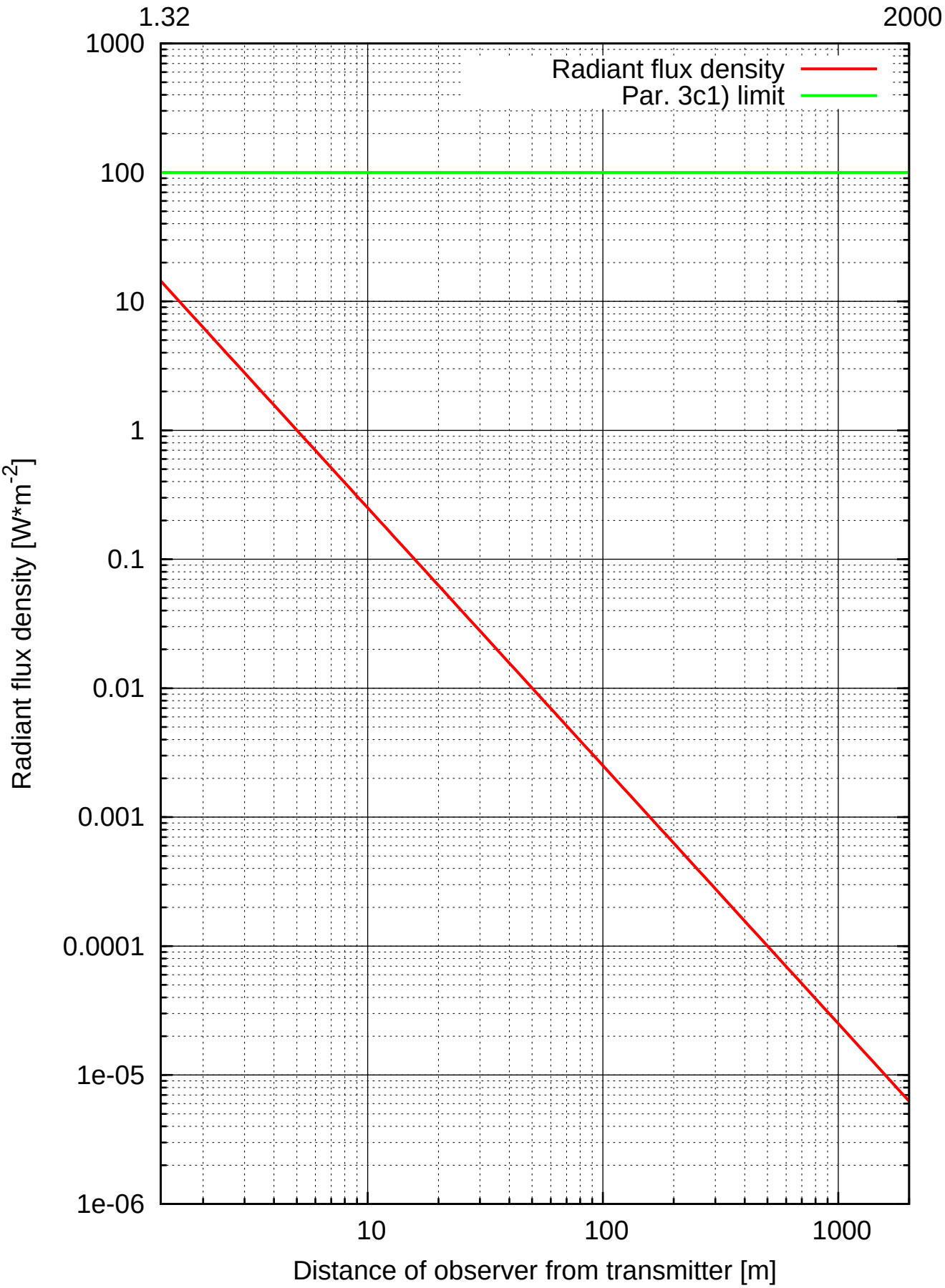
Par. 3b): Max. allowed exposure time for 20x telescope
130mm loupe, HSDL4220

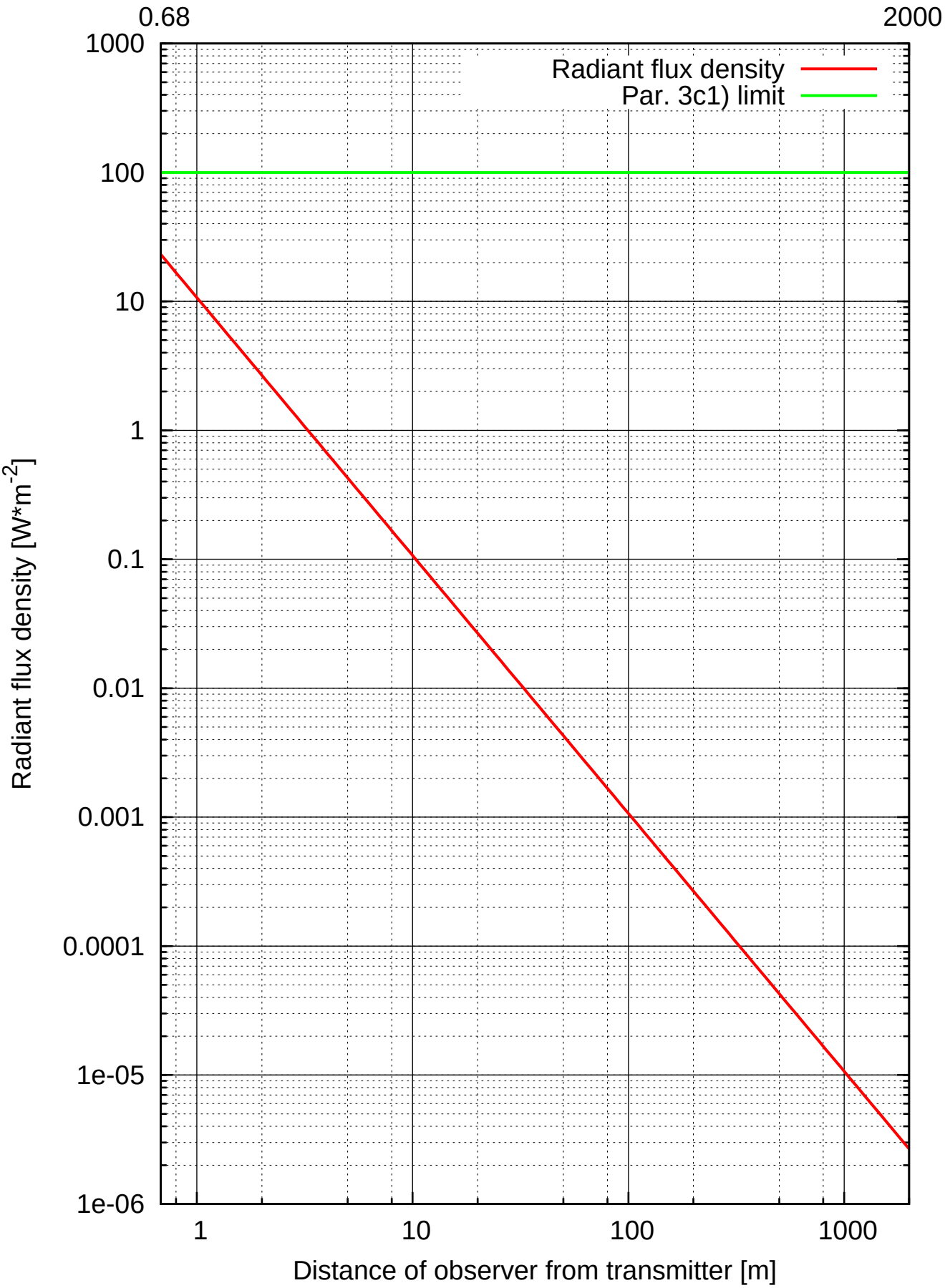


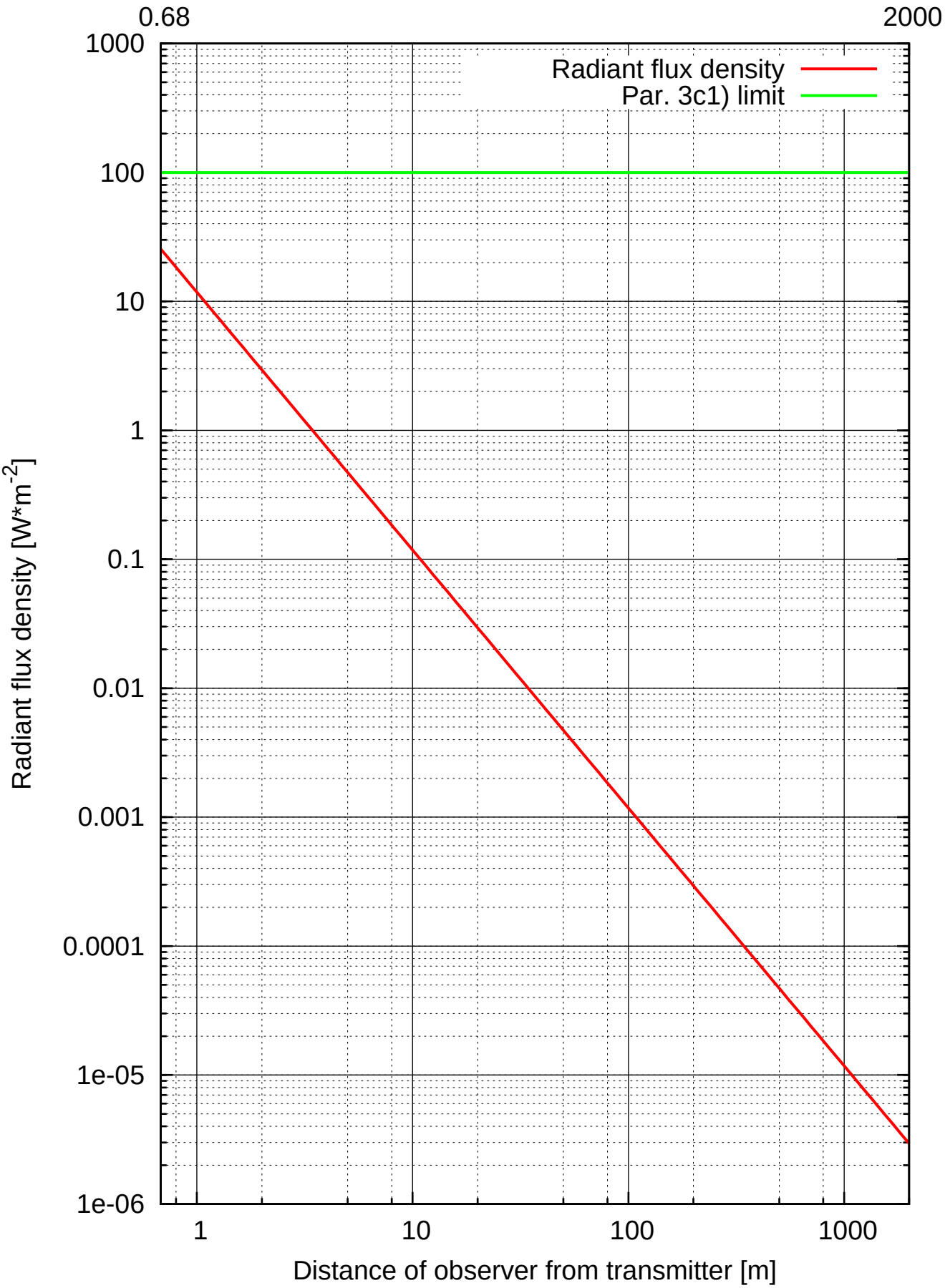
Par. 3b): Max. allowed exposure time for 20x telescope
130mm loupe, HSDL4230

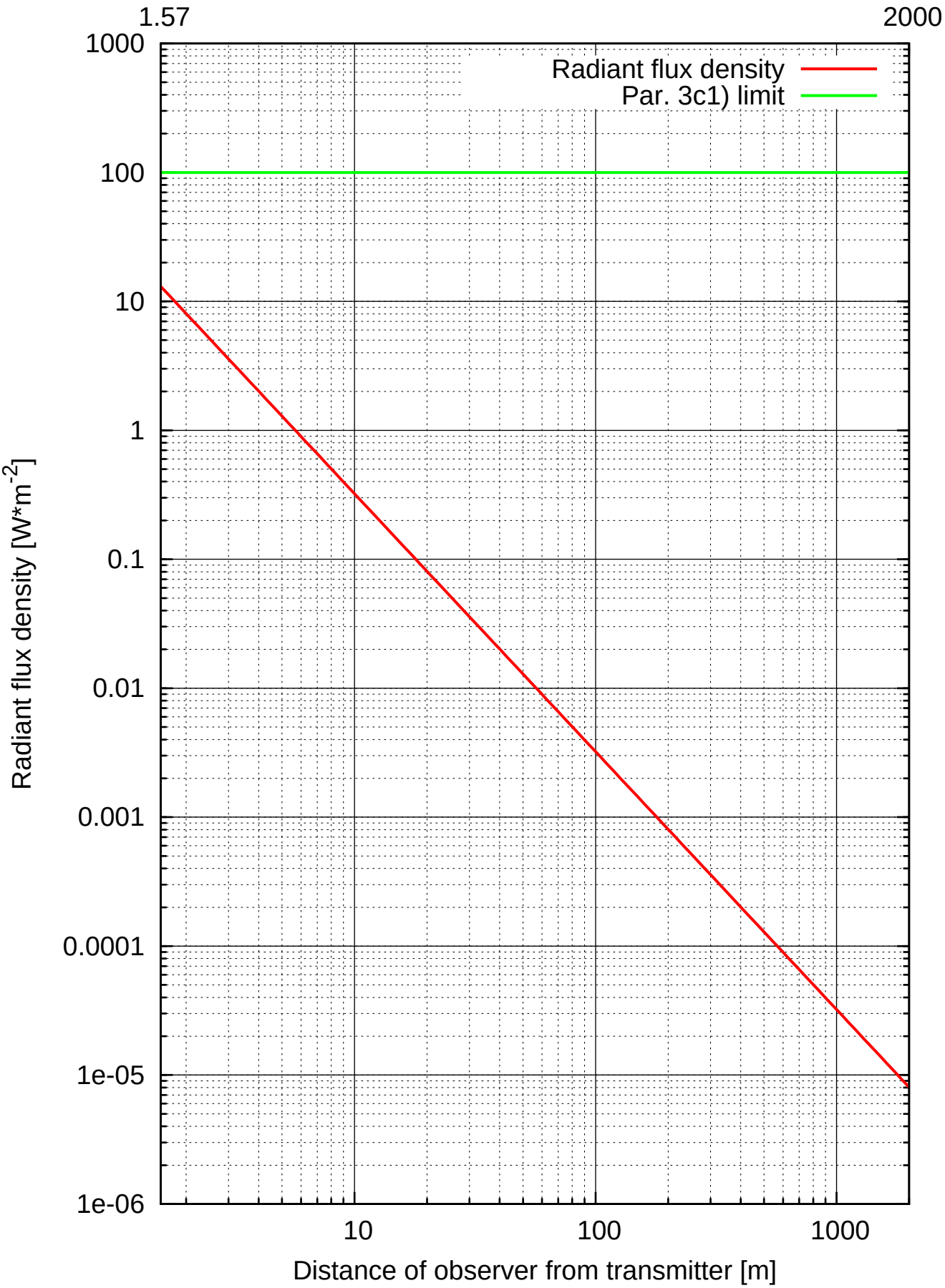


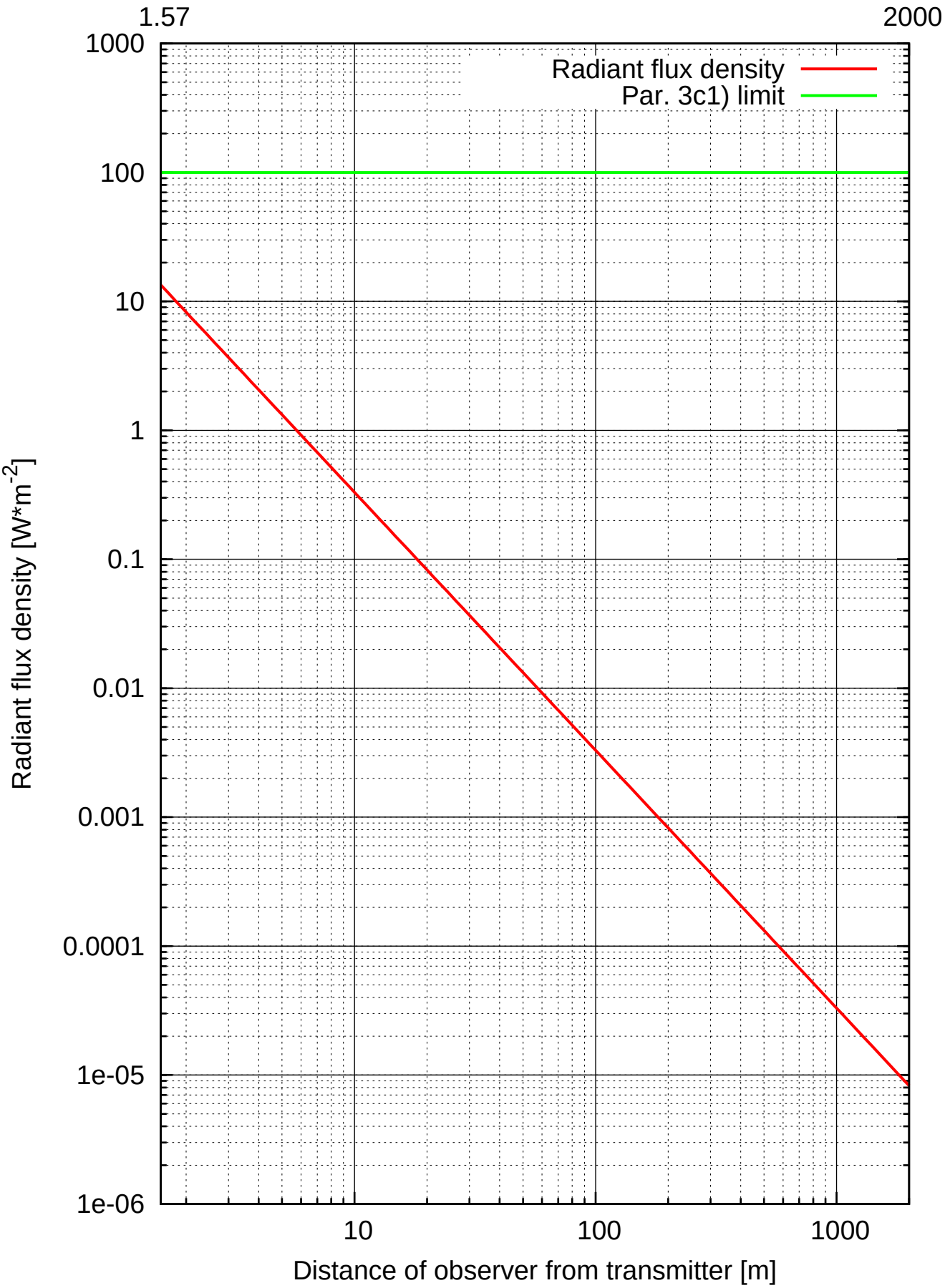

Par. 3c1): Radiant flux density for naked eye
60mm loupe, HSDL4220
1.32
2000
1000
100
10
1
0.1
0.01
0.001
0.0001
1e-05
1e-06
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
10
100
1000
Distance of observer from transmitter [m]

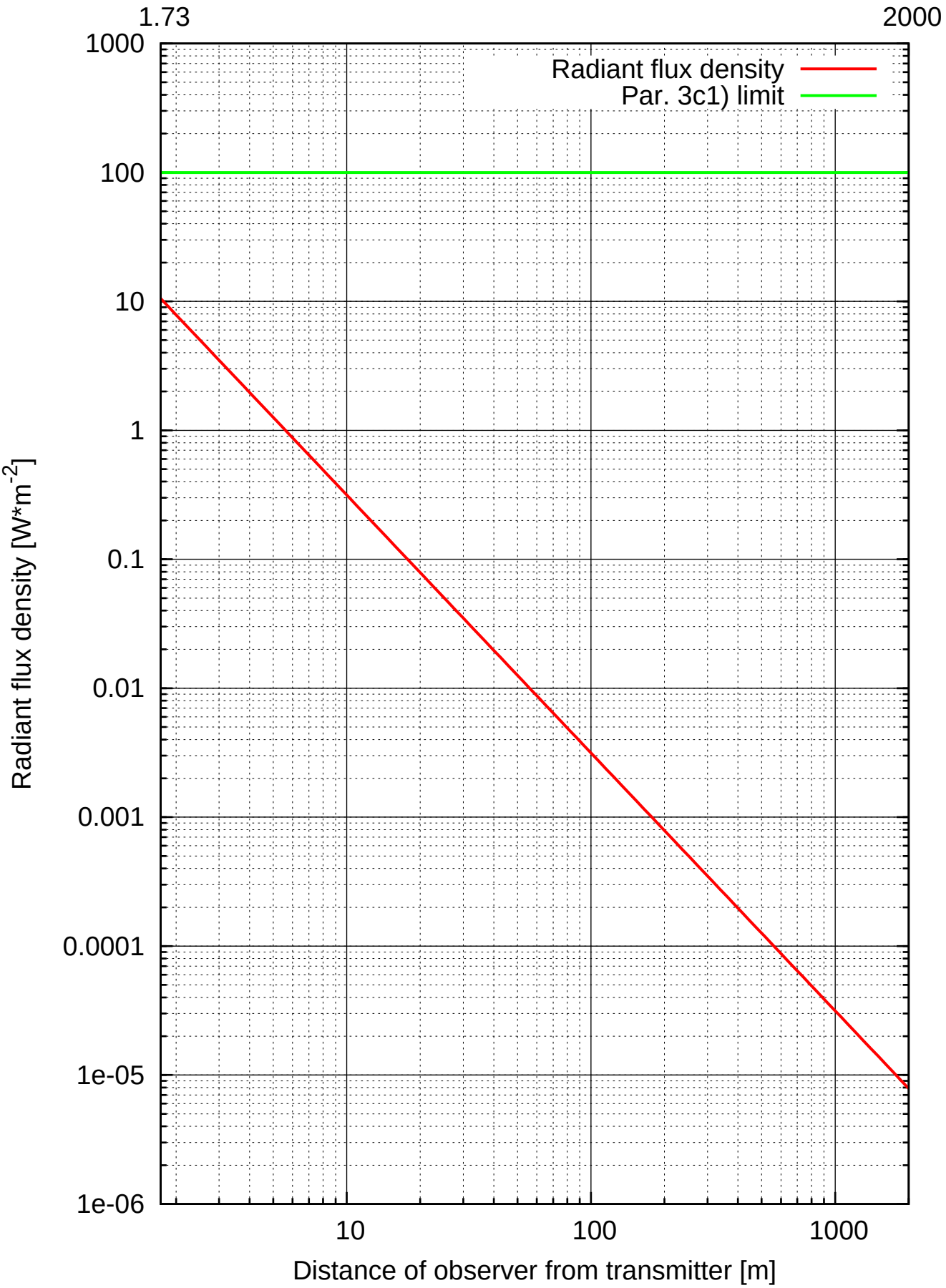

Par. 3c1): Radiant flux density for naked eye
60mm loupe, HSDL4230
1.32
2000
1000
100
10
1
0.1
0.01
0.001
0.0001
1e-05
1e-06
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
10
100
1000
Distance of observer from transmitter [m]

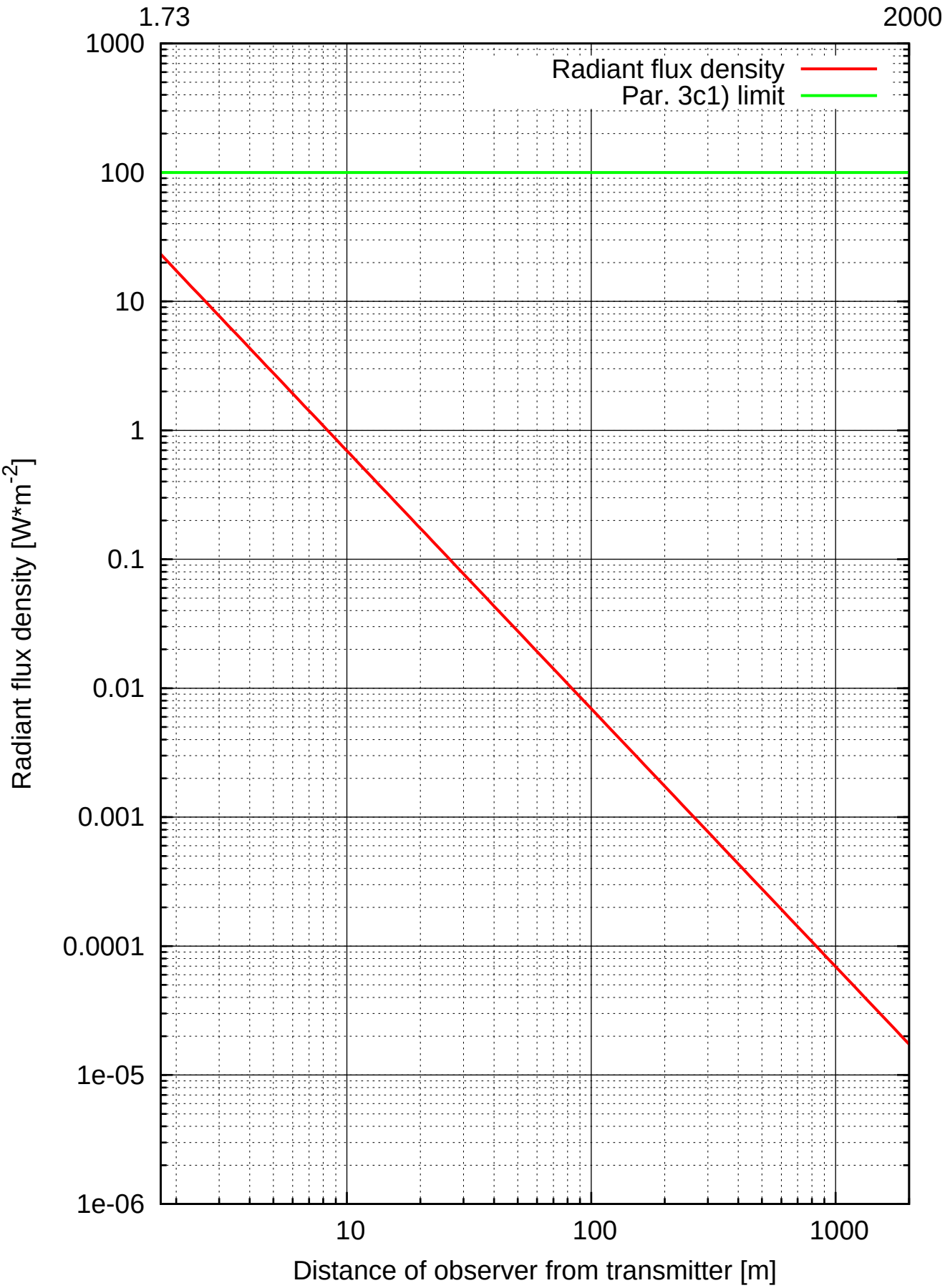

Par. 3c1): Radiant flux density for naked eye
75mm loupe, HSDL4220
0.68
2000
1000
100
10
1
0.1
0.01
0.001
0.0001
1e-05
1e-06
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
1
10
100
1000
Distance of observer from transmitter [m]

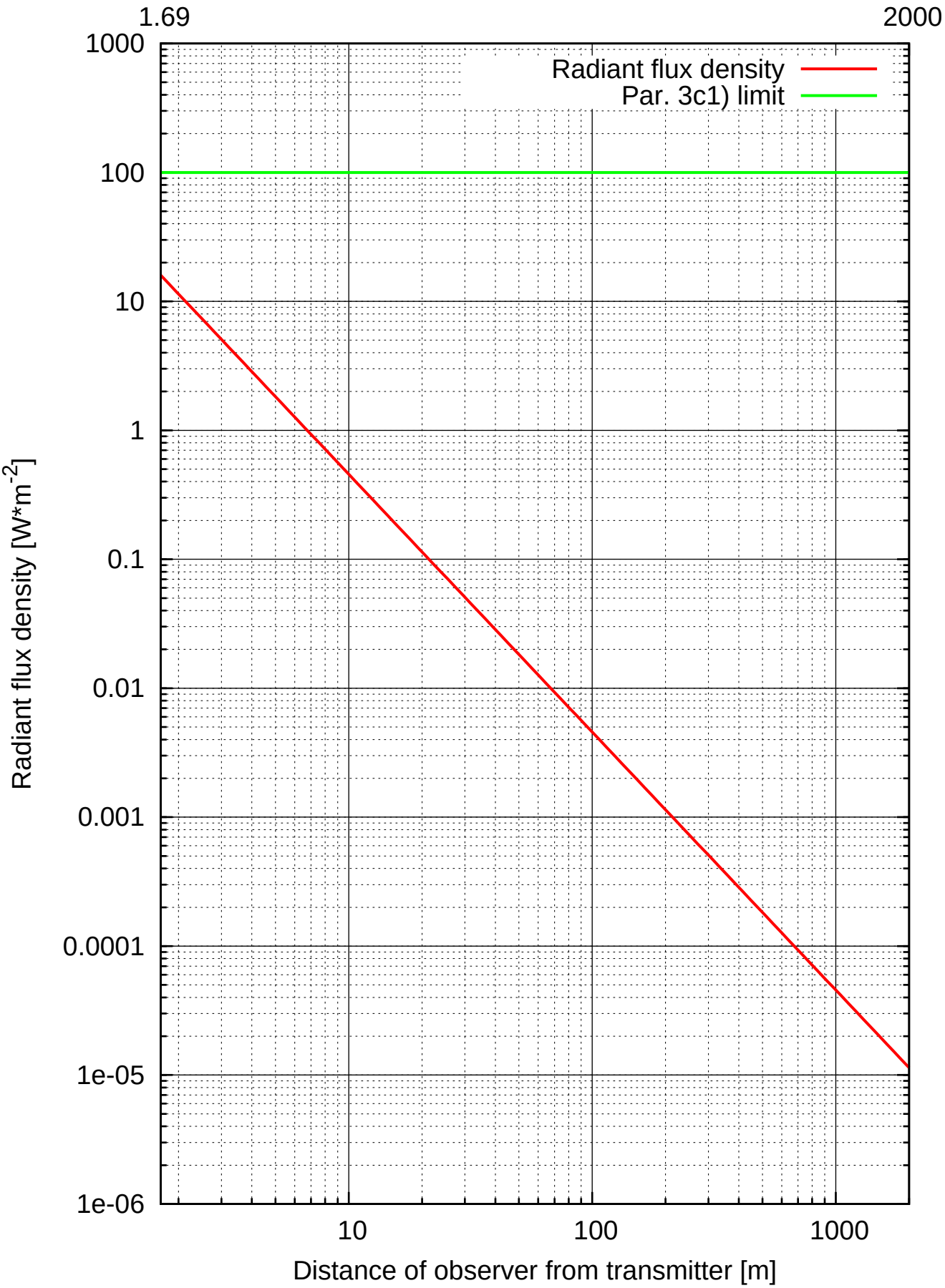

Par. 3c1): Radiant flux density for naked eye
75mm loupe, HSDL4230
0.68
2000
1000
100
10
1
0.1
0.01
0.001
0.0001
1e-05
1e-06
Radiant flux density [W*m-2]
Radiant flux density
Par. 3c1) limit
1
10
100
1000
Distance of observer from transmitter [m]

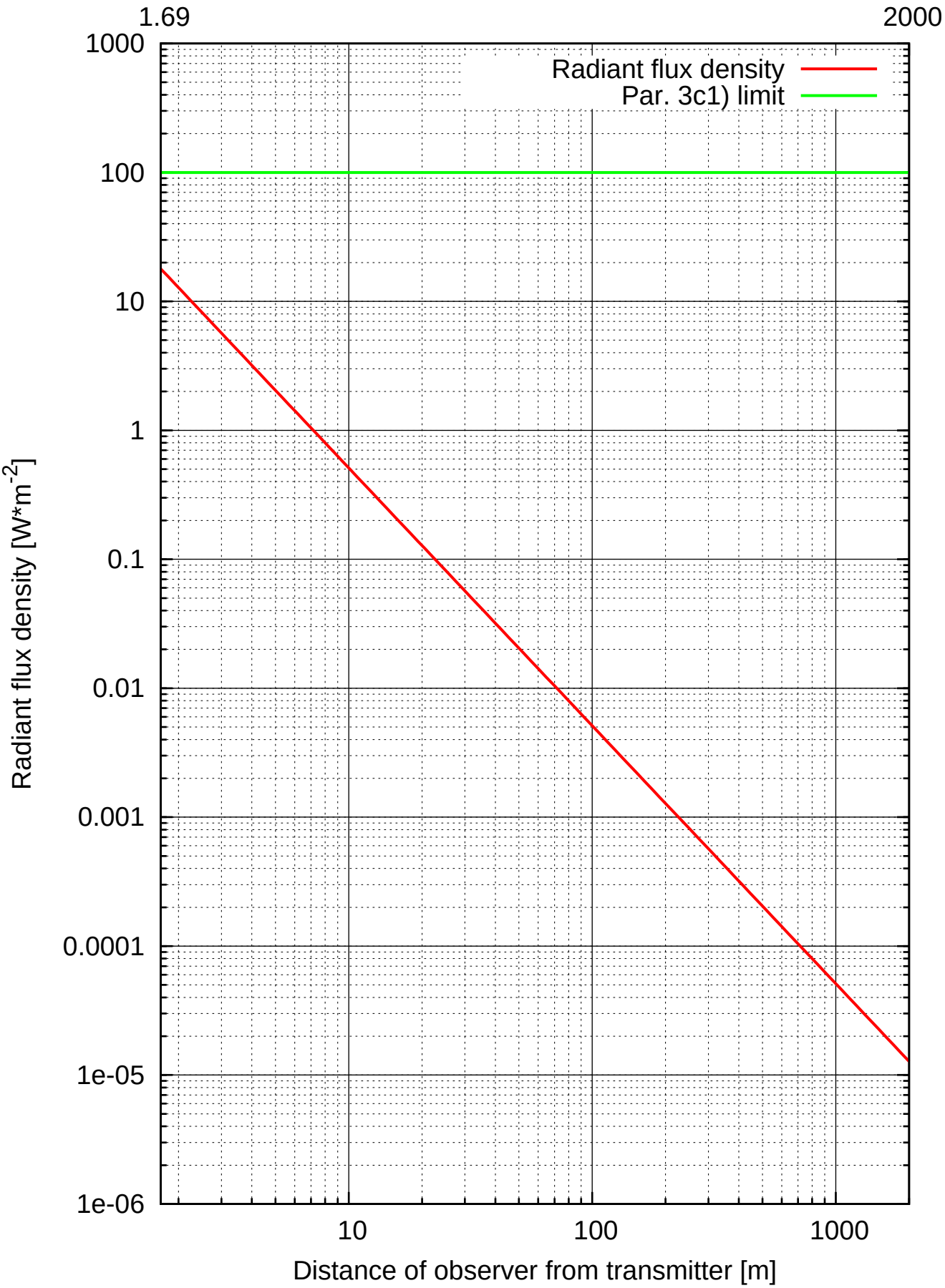

Par. 3c1): Radiant flux density for naked eye
80mm loupe, HSDL4220
1.57
2000
1000
100
10
1
0.1
0.01
0.001
0.0001
1e-05
1e-06
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
10
100
1000
Distance of observer from transmitter [m]

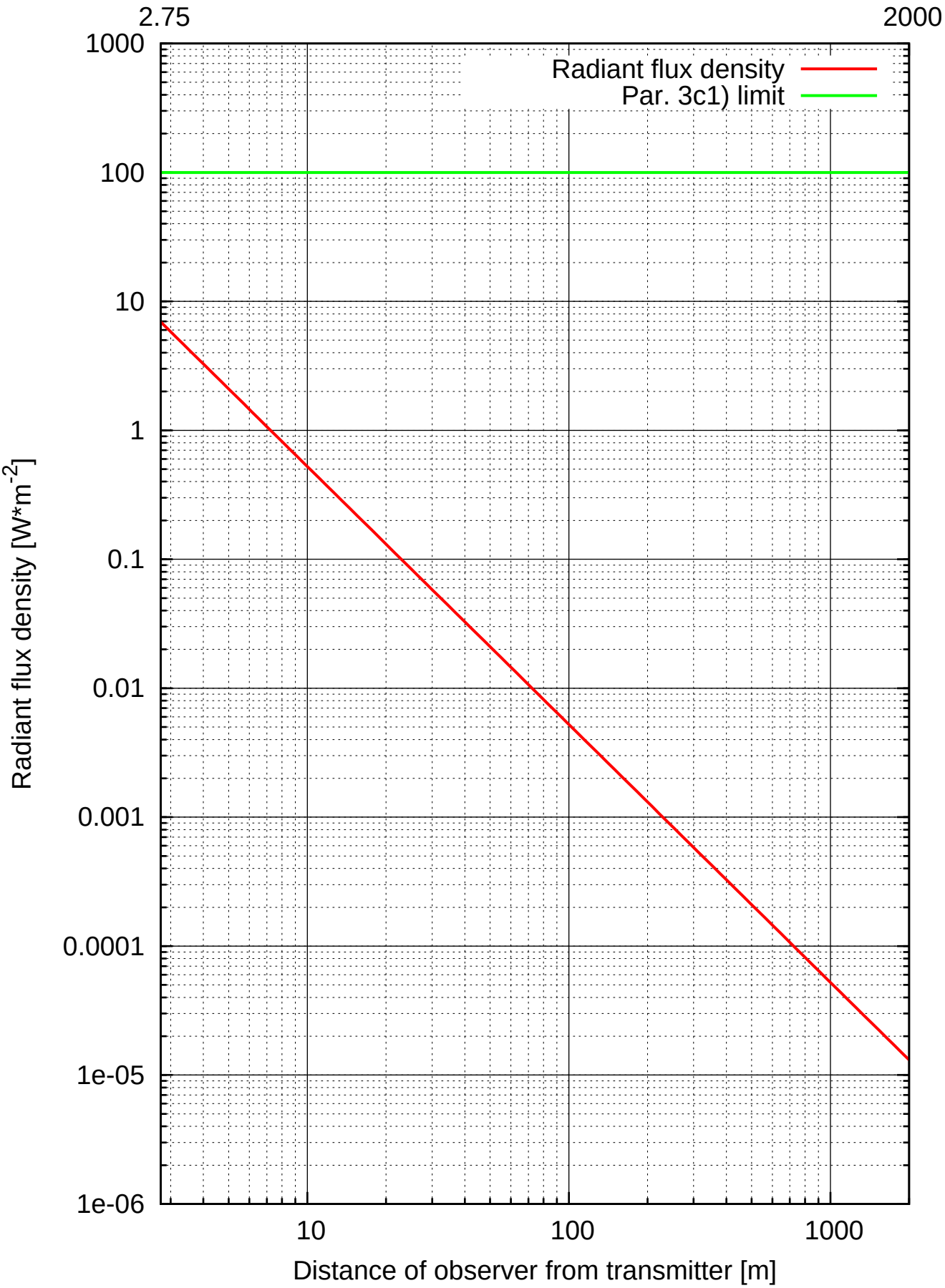

Par. 3c1): Radiant flux density for naked eye
80mm loupe, HSDL4230
1.57
2000
1000
100
10
1
0.1
0.01
0.001
0.0001
1e-05
1e-06
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
10
100
1000
Distance of observer from transmitter [m]

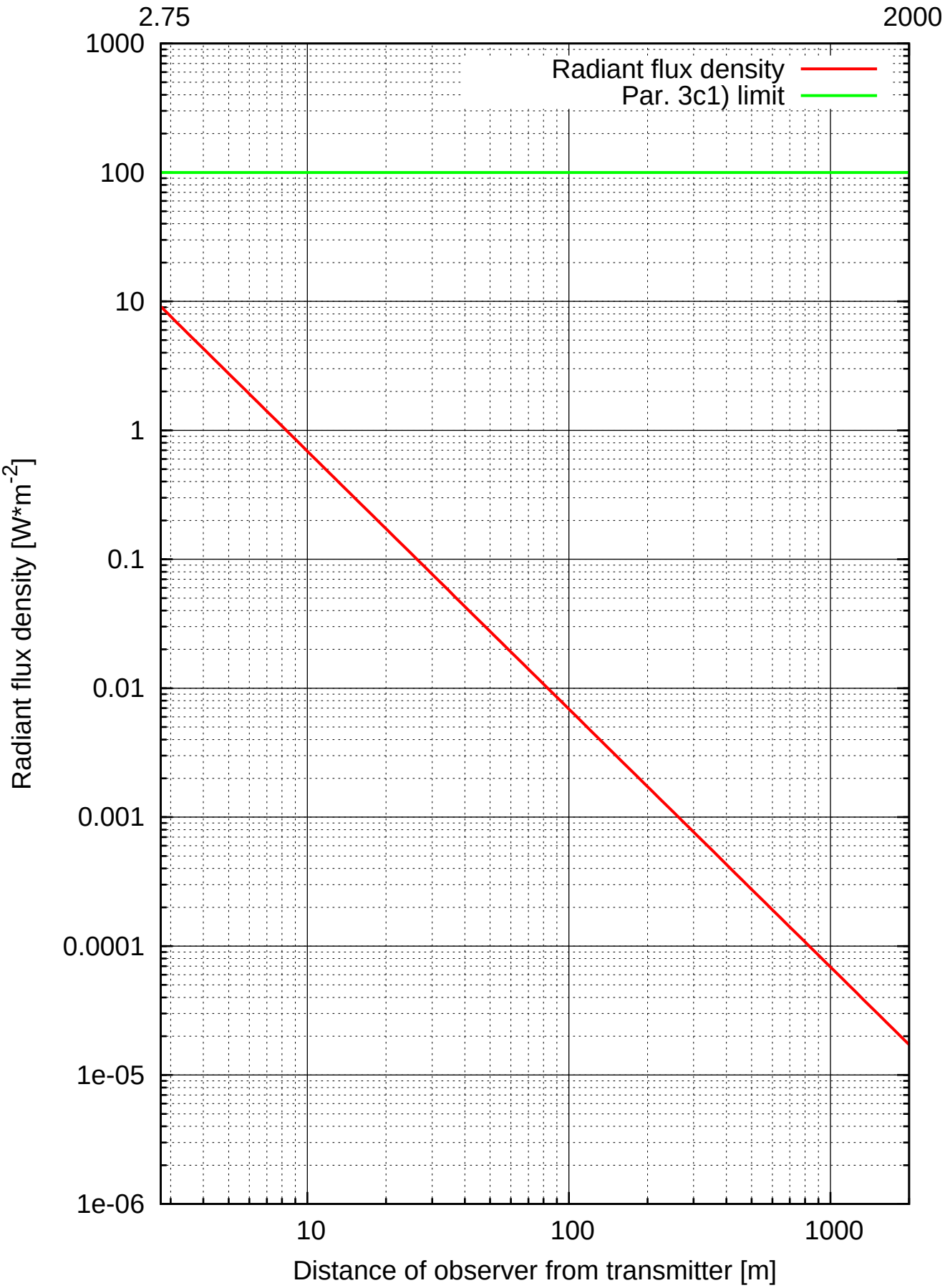

Par. 3c1): Radiant flux density for naked eye
90mm loupe, HSDL4220
1.73
2000
1000
100
10
1
0.1
0.01
0.001
0.0001
1e-05
1e-06
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
10
100
1000
Distance of observer from transmitter [m]

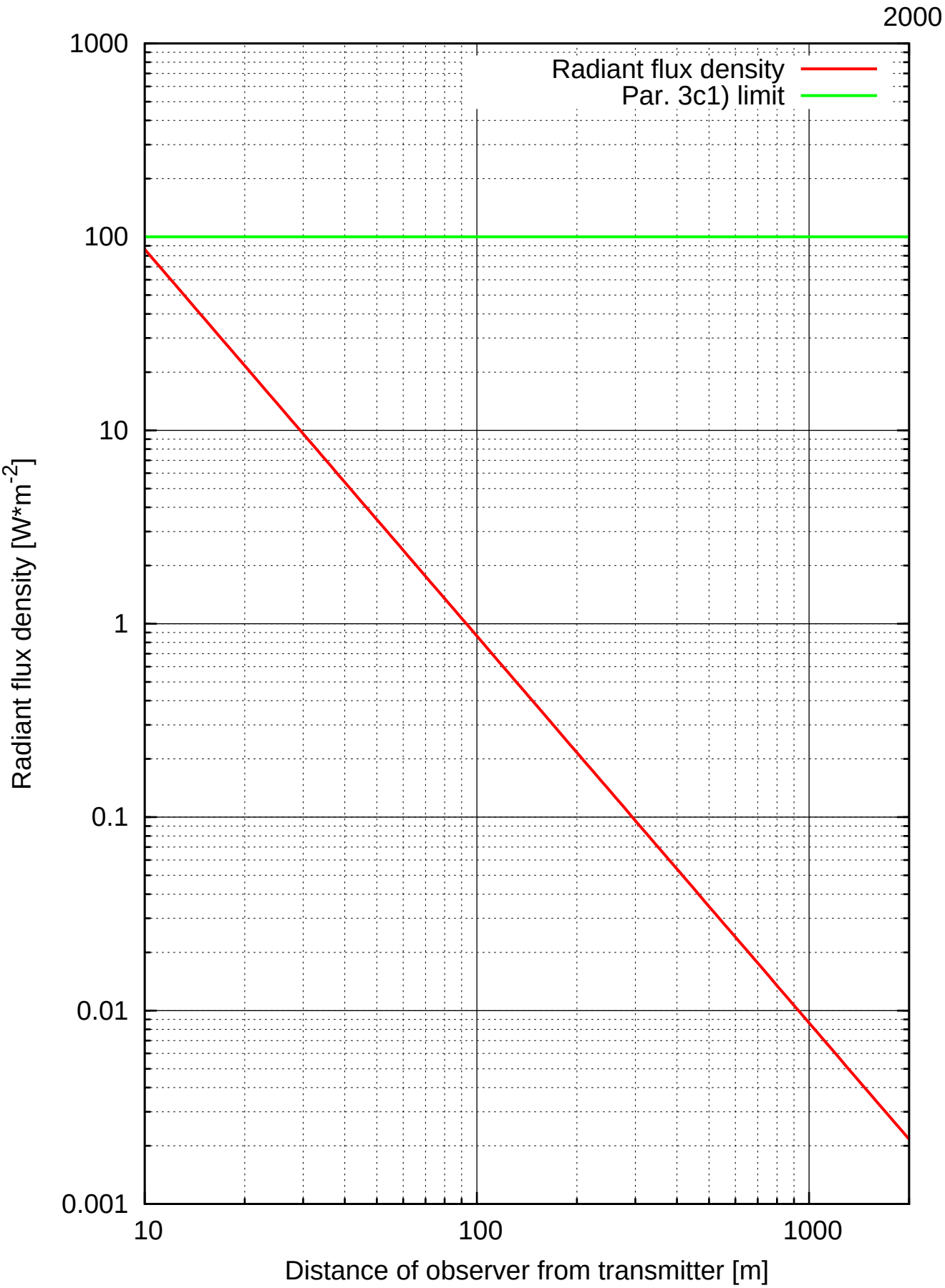

Par. 3c1): Radiant flux density for naked eye
90mm loupe, HSDL4230
1.73
2000
1000
100
10
1
0.1
0.01
0.001
0.0001
1e-05
1e-06
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
10
100
1000
Distance of observer from transmitter [m]

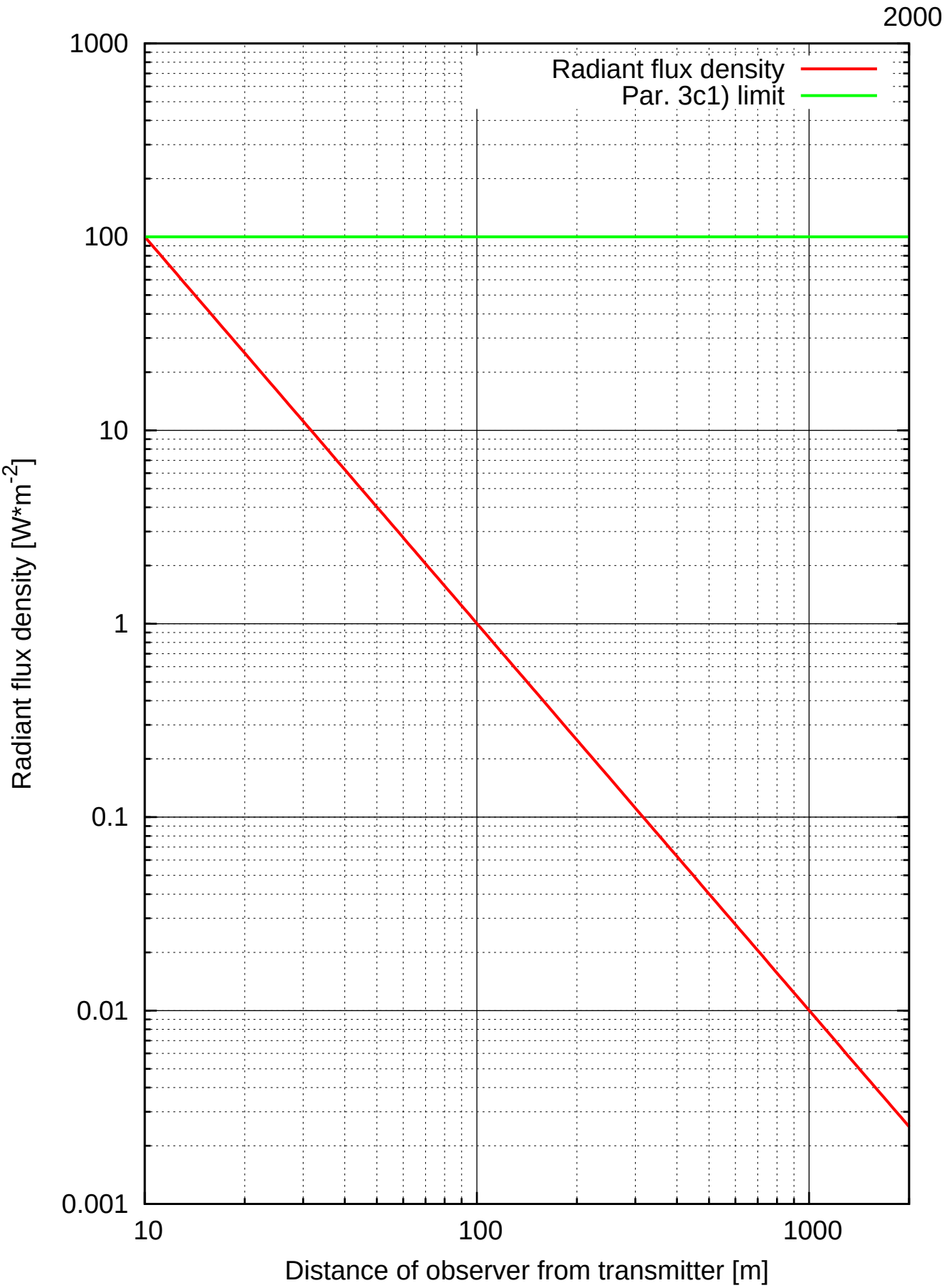

Par. 3c1): Radiant flux density for naked eye
100mm loupe, HSDL4220
1.69
2000
1000
100
10
1
0.1
0.01
0.001
0.0001
1e-05
1e-06
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
10
100
1000
Distance of observer from transmitter [m]

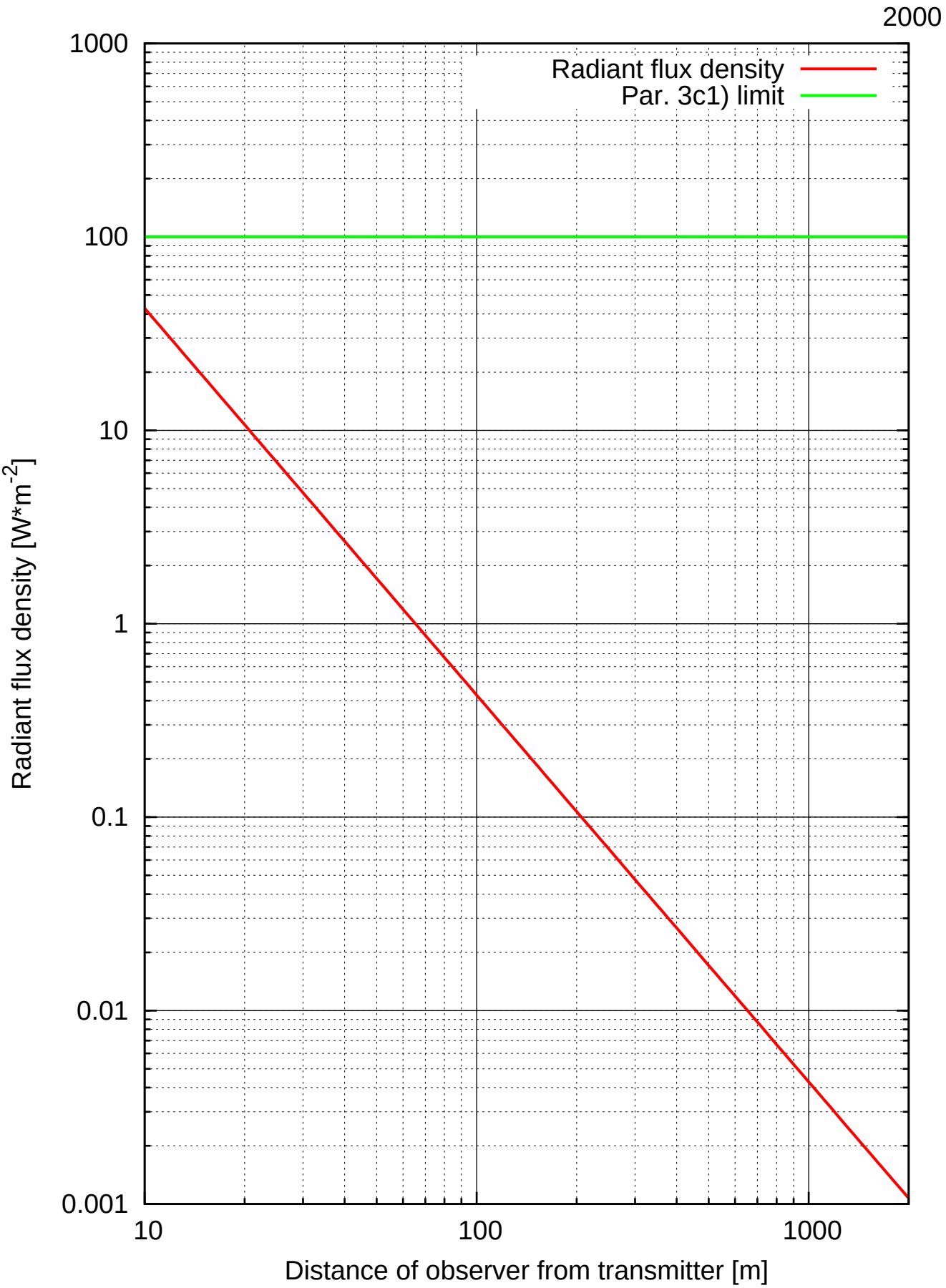

Par. 3c1): Radiant flux density for naked eye
100mm loupe, HSDL4230
1.69
2000
1000
100
10
1
0.1
0.01
0.001
0.0001
1e-05
1e-06
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
10
100
1000
Distance of observer from transmitter [m]

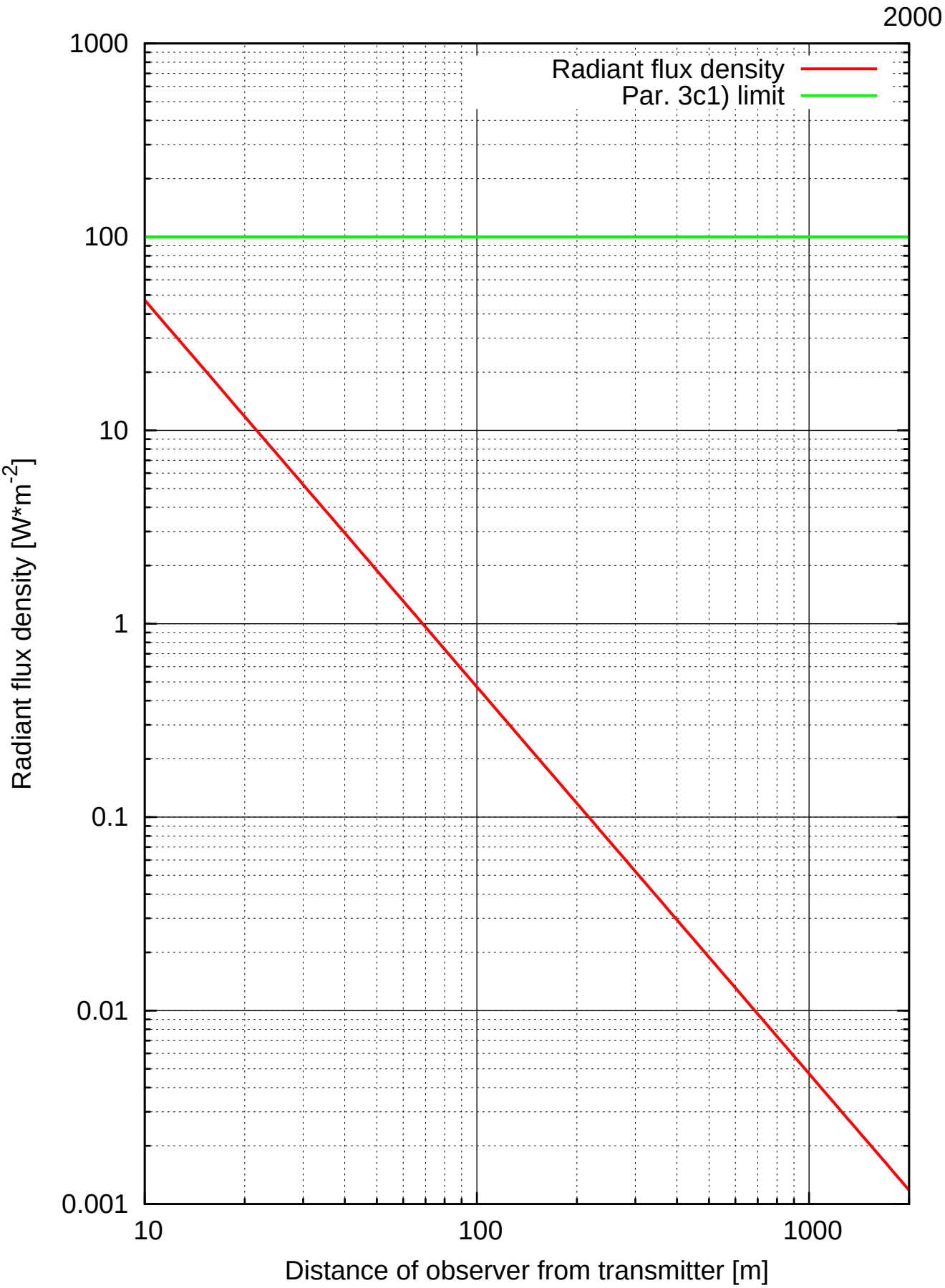

Par. 3c1): Radiant flux density for naked eye
130mm loupe, HSDL4220
2.75
2000
1000
100
10
1
0.1
0.01
0.001
0.0001
1e-05
1e-06
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
10
100
1000
Distance of observer from transmitter [m]

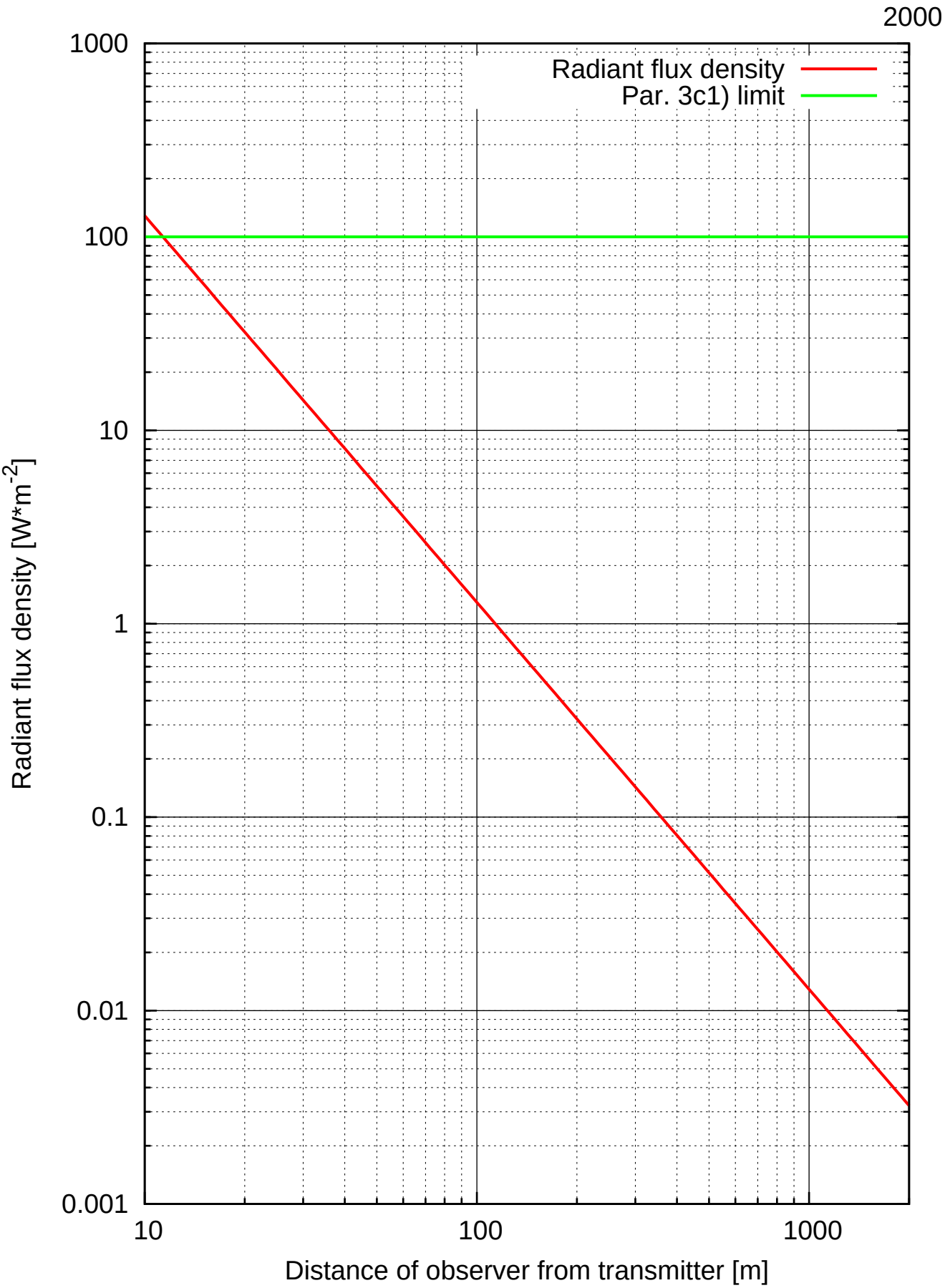

Par. 3c1): Radiant flux density for naked eye
130mm loupe, HSDL4230
2.75
2000
1000
100
10
1
0.1
0.01
0.001
0.0001
1e-05
1e-06
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
10
100
1000
Distance of observer from transmitter [m]

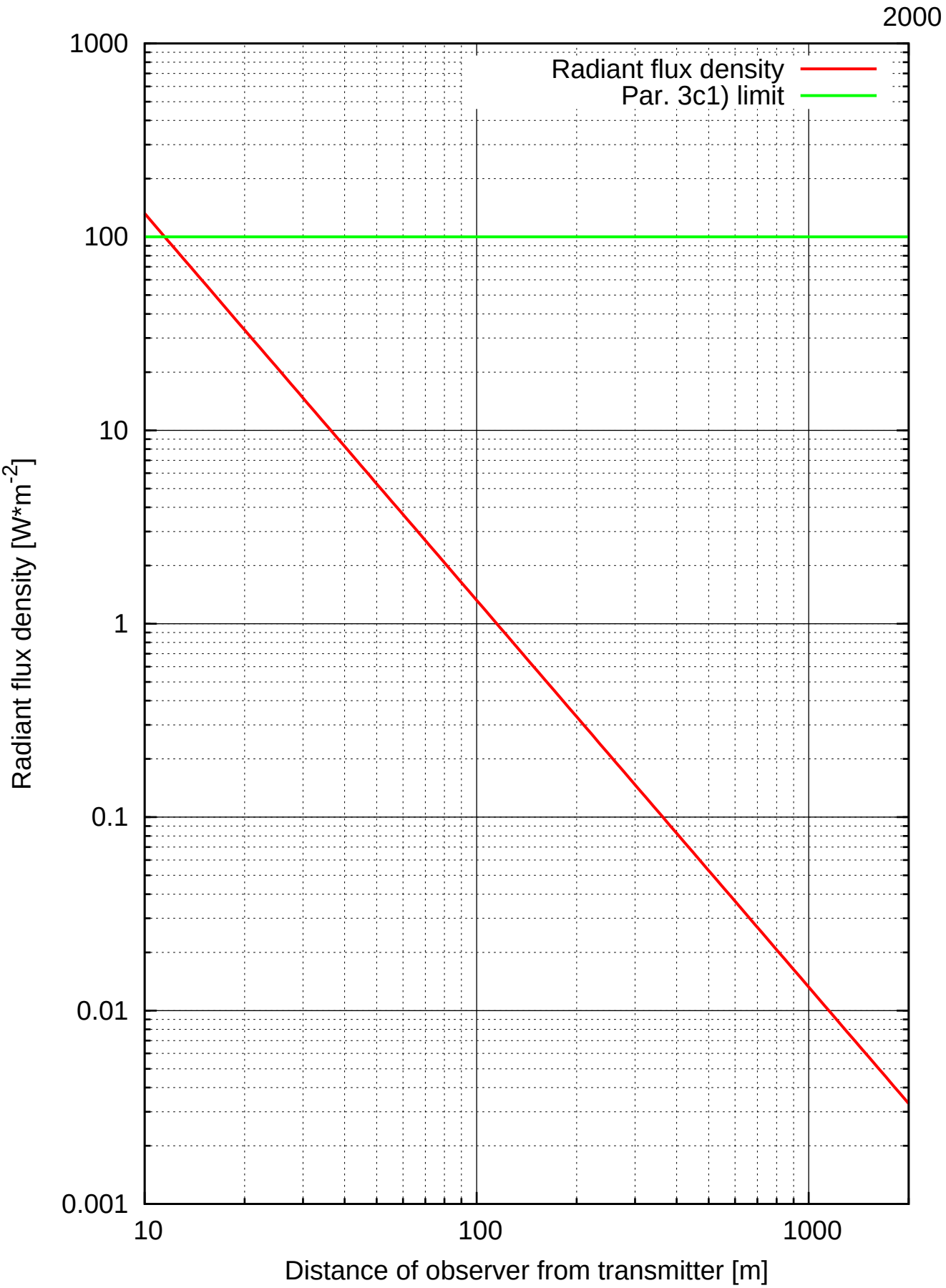

Par. 3c1): Radiant flux density for 20x telescope
60mm loupe, HSDL4220
2000
1000
100
10
1
0.1
0.01
0.001
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
10
100
1000
Distance of observer from transmitter [m]

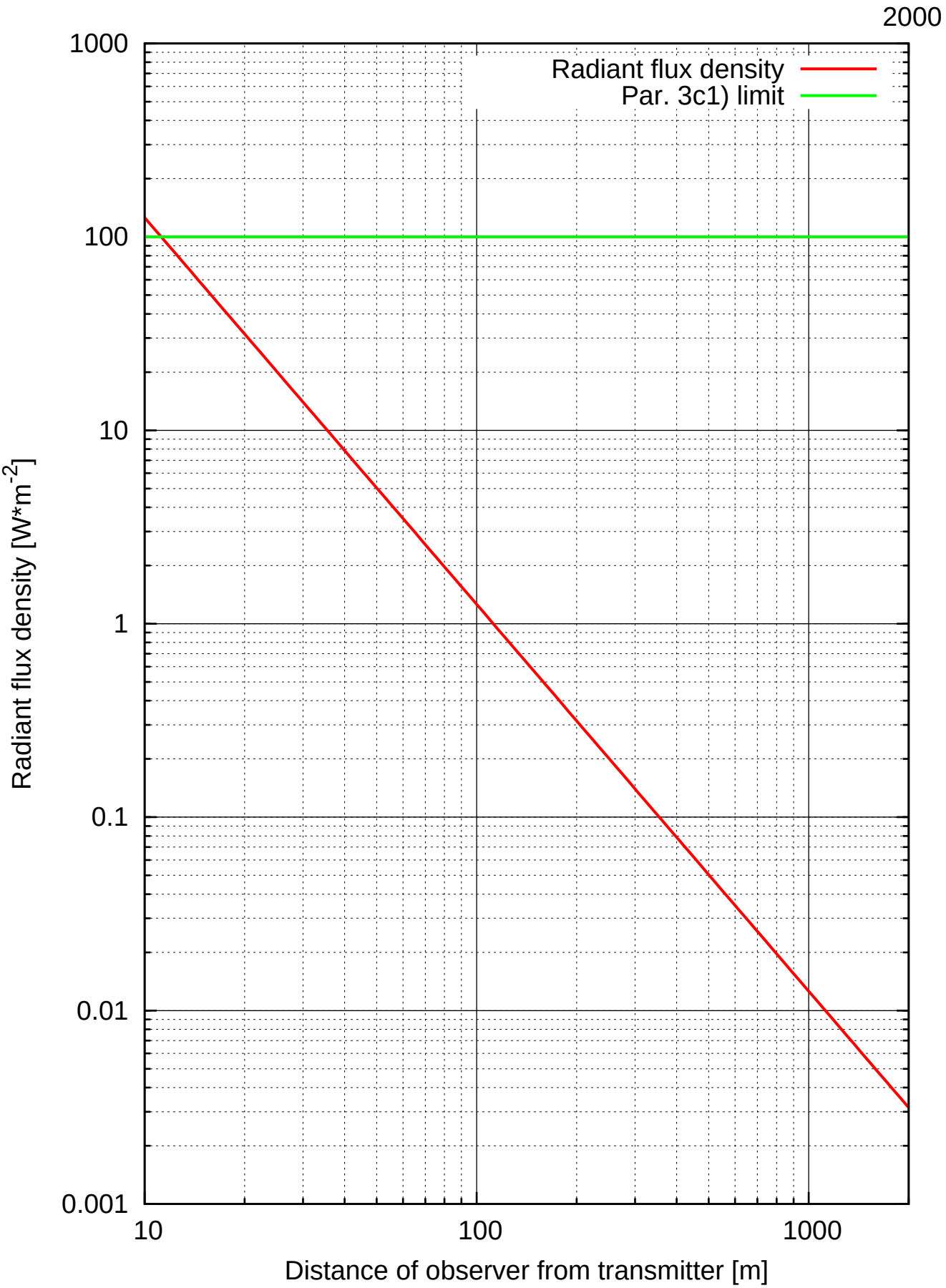

Par. 3c1): Radiant flux density for 20x telescope
60mm loupe, HSDL4230
2000
1000
100
10
1
0.1
0.01
0.001
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
10
100
1000
Distance of observer from transmitter [m]

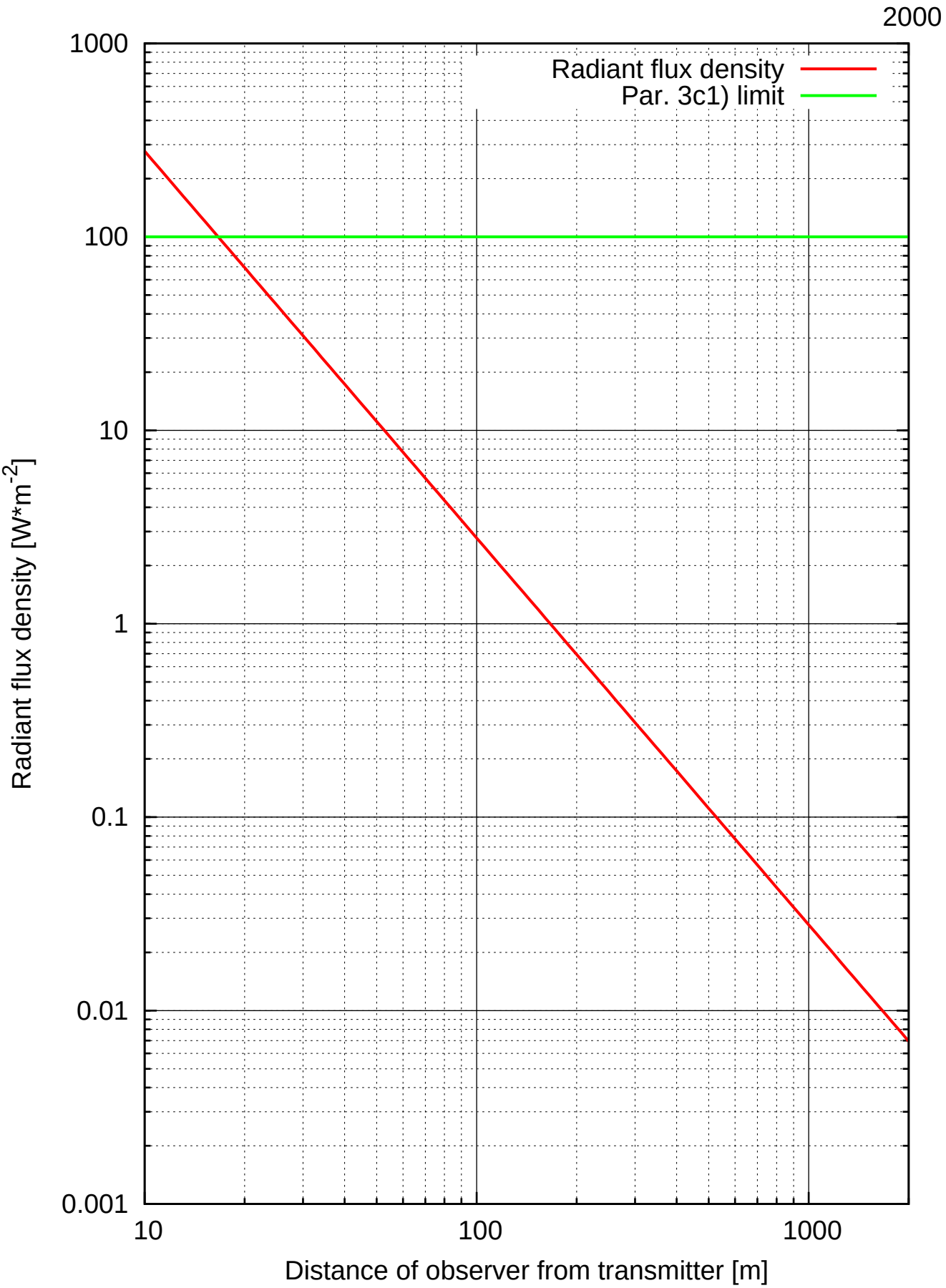

Par. 3c1): Radiant flux density for 20x telescope
75mm loupe, HSDL4220
2000
1000
100
10
1
0.1
0.01
0.001
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
10
100
1000
Distance of observer from transmitter [m]

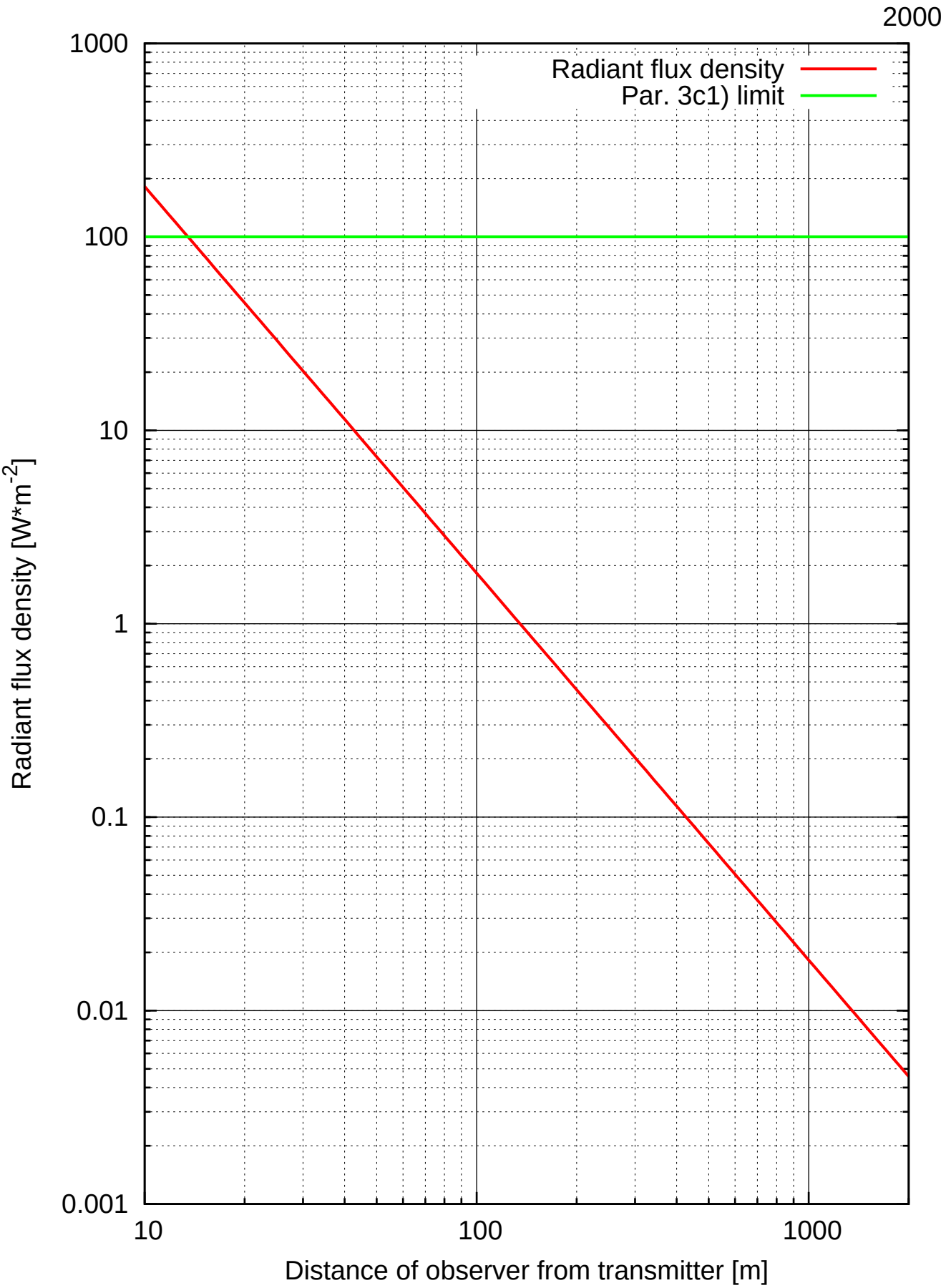

Par. 3c1): Radiant flux density for 20x telescope
75mm loupe, HSDL4230
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
Distance of observer from transmitter [m]
2000
1000
100
10
1
0.1
0.01
0.001
10
100
1000


Par. 3c1): Radiant flux density for 20x telescope
80mm loupe, HSDL4220
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
Distance of observer from transmitter [m]
2000
1000
100
10
1
0.1
0.01
0.001
10
100
1000

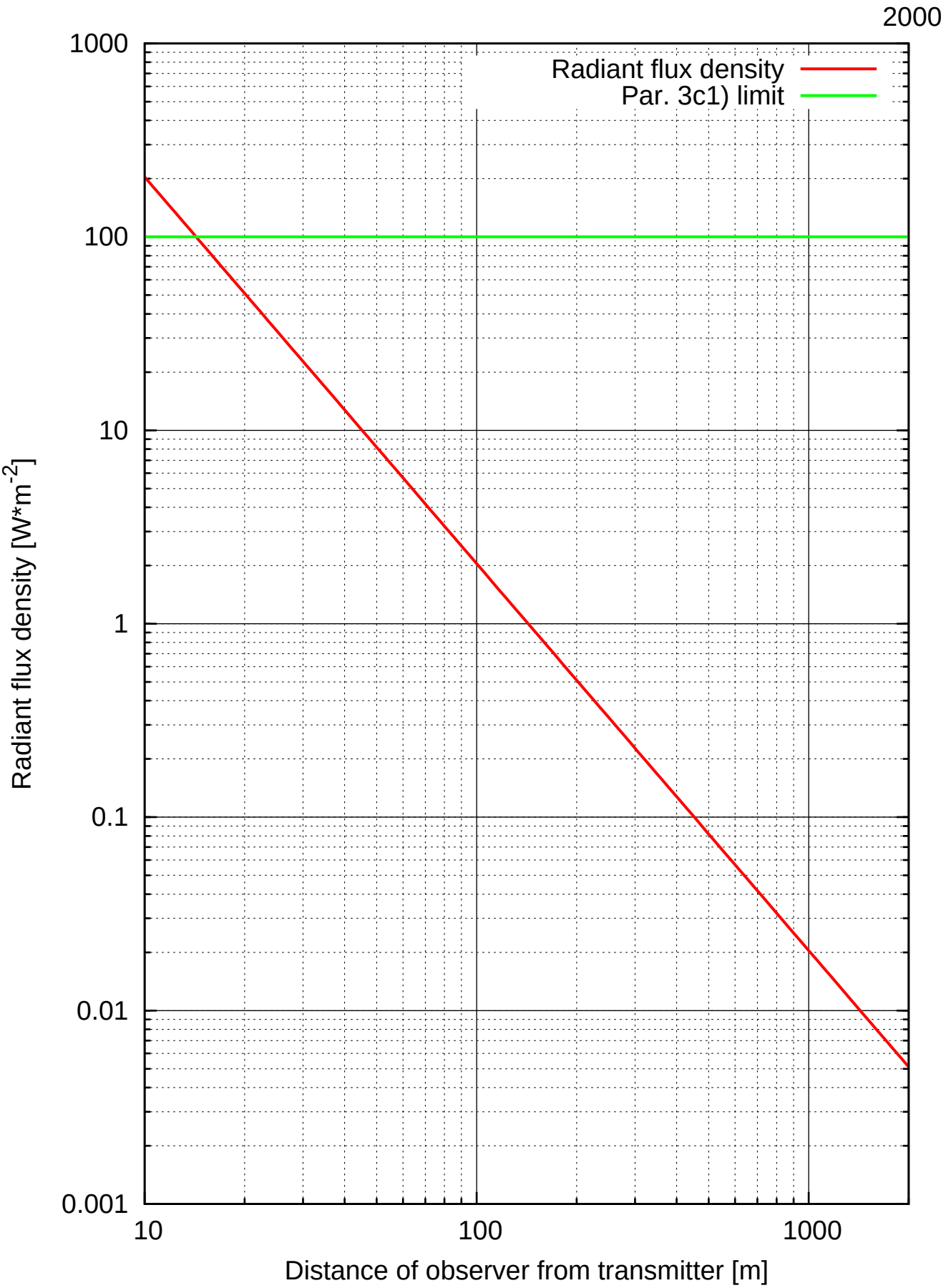

Par. 3c1): Radiant flux density for 20x telescope
80mm loupe, HSDL4230
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
Distance of observer from transmitter [m]
2000
1000
100
10
1
0.1
0.01
0.001
10
100
1000

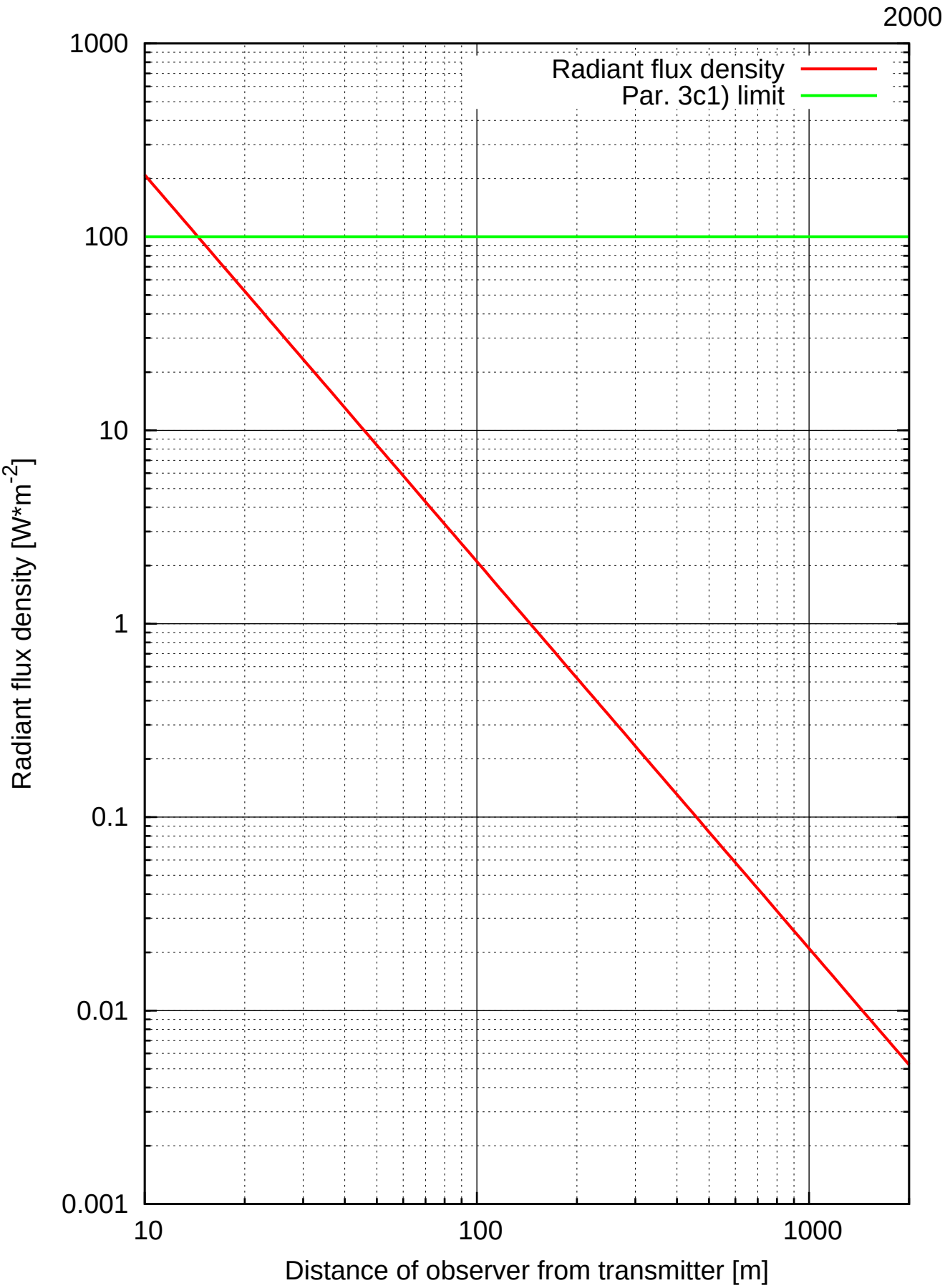

Par. 3c1): Radiant flux density for 20x telescope
90mm loupe, HSDL4220
2000
1000
100
10
1
0.1
0.01
0.001
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
10
100
1000
Distance of observer from transmitter [m]

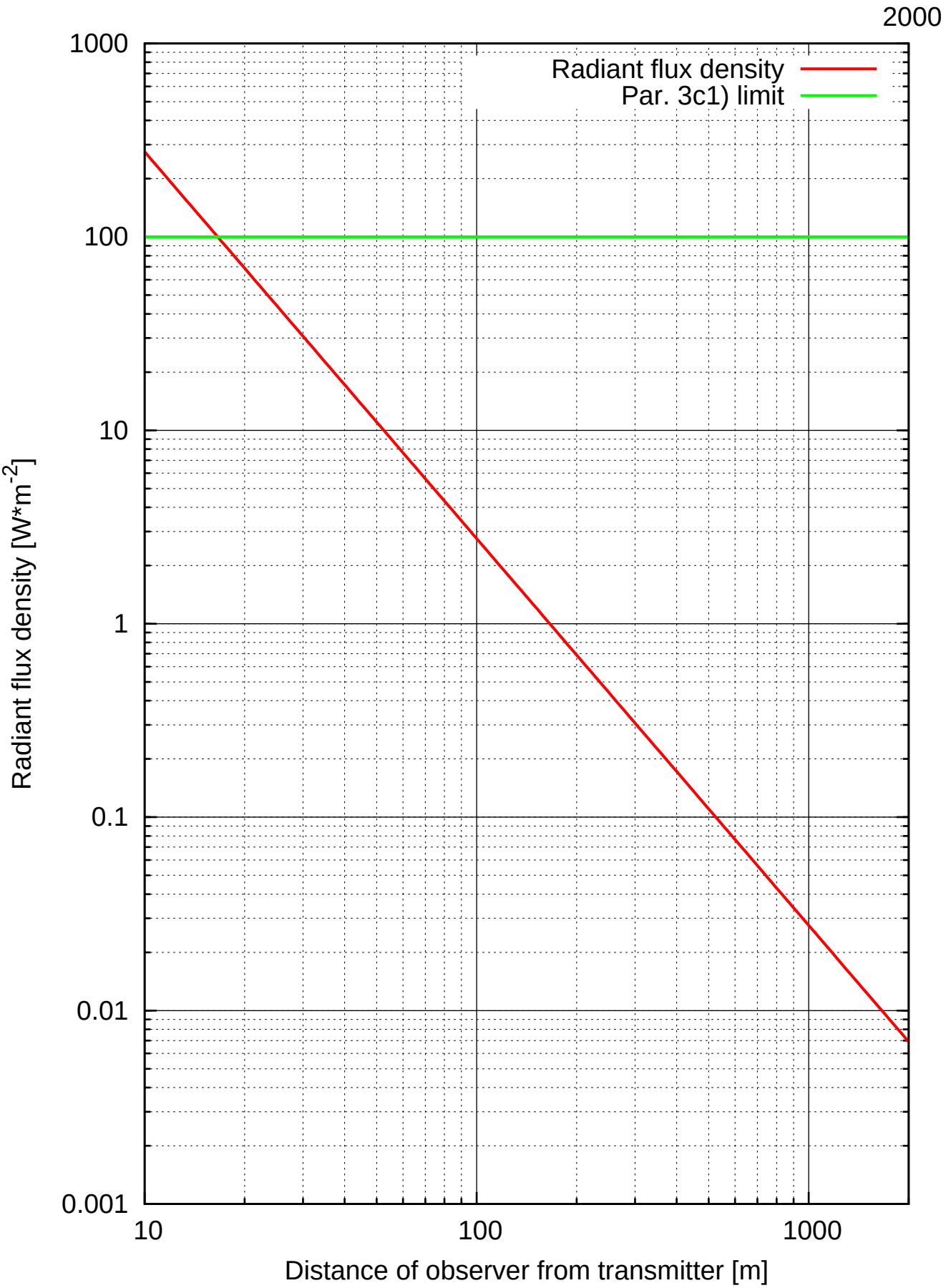

Par. 3c1): Radiant flux density for 20x telescope
90mm loupe, HSDL4230
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
Distance of observer from transmitter [m]
2000
1000
100
10
1
0.1
0.01
0.001
10
100
1000

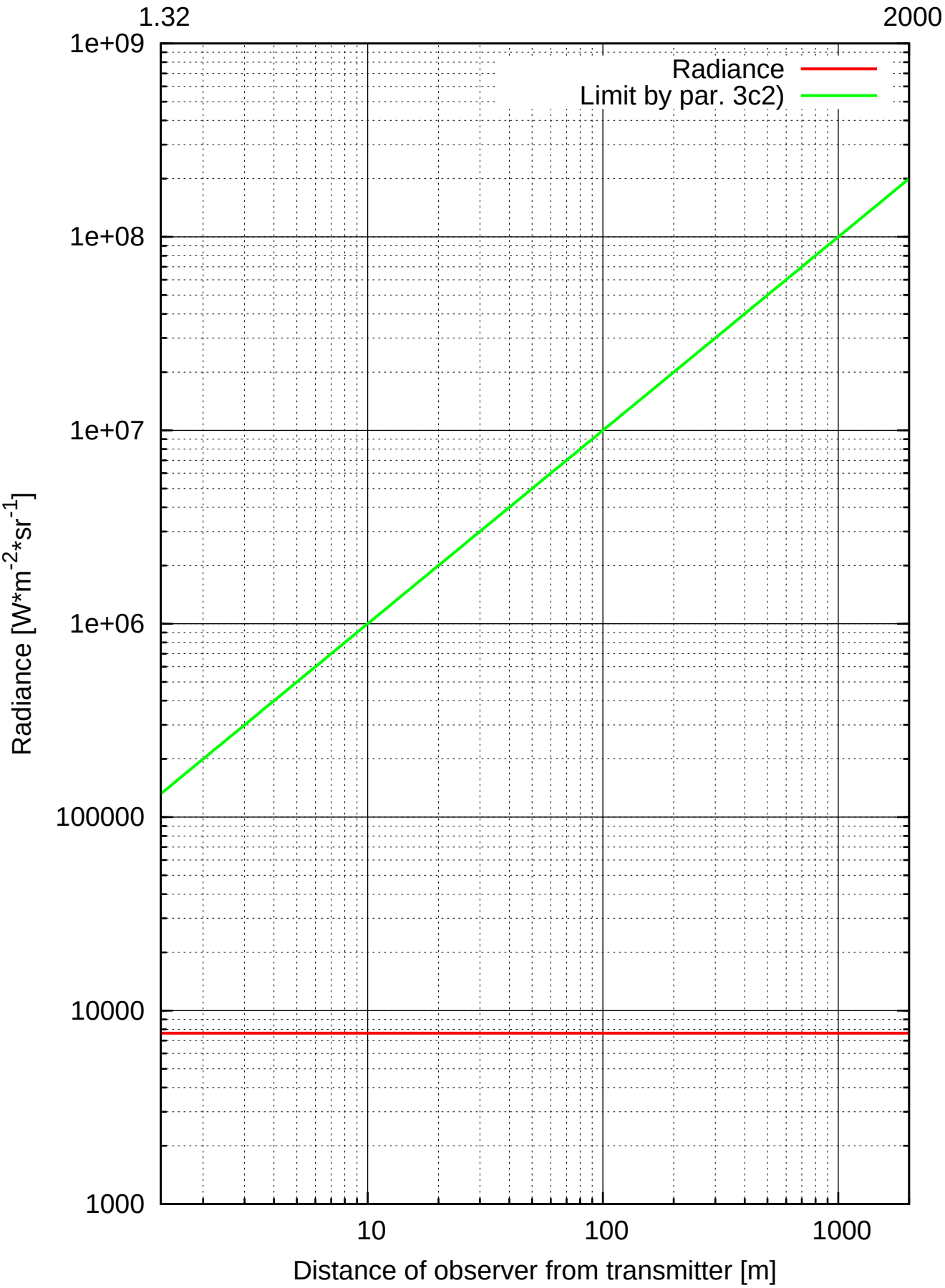

Par. 3c1): Radiant flux density for 20x telescope
100mm loupe, HSDL4220
2000
1000
100
10
1
0.1
0.01
0.001
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
10
100
1000
Distance of observer from transmitter [m]

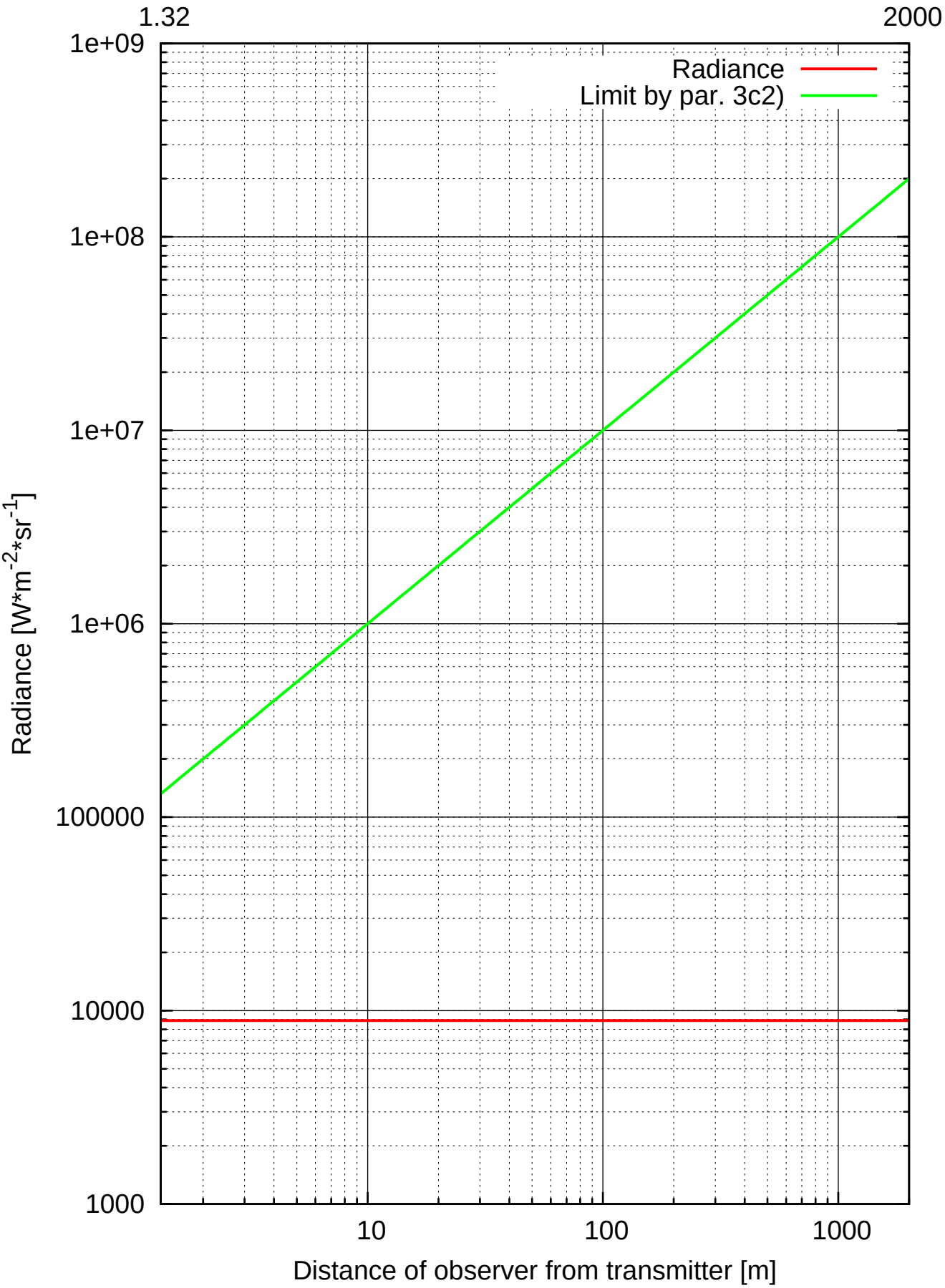
Par. 3c1): Radiant flux density for 20x telescope
100mm loupe, HSDL4230

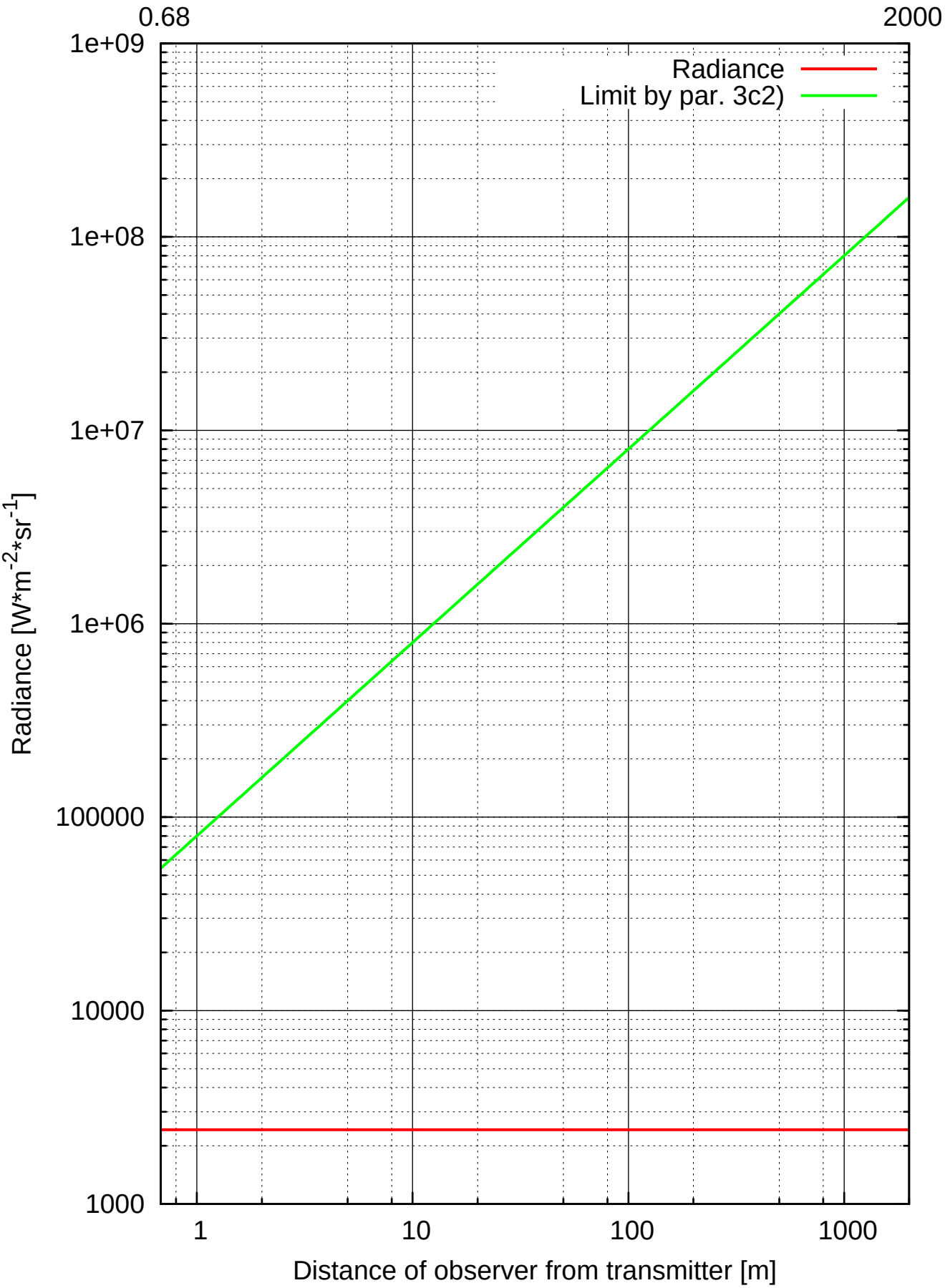


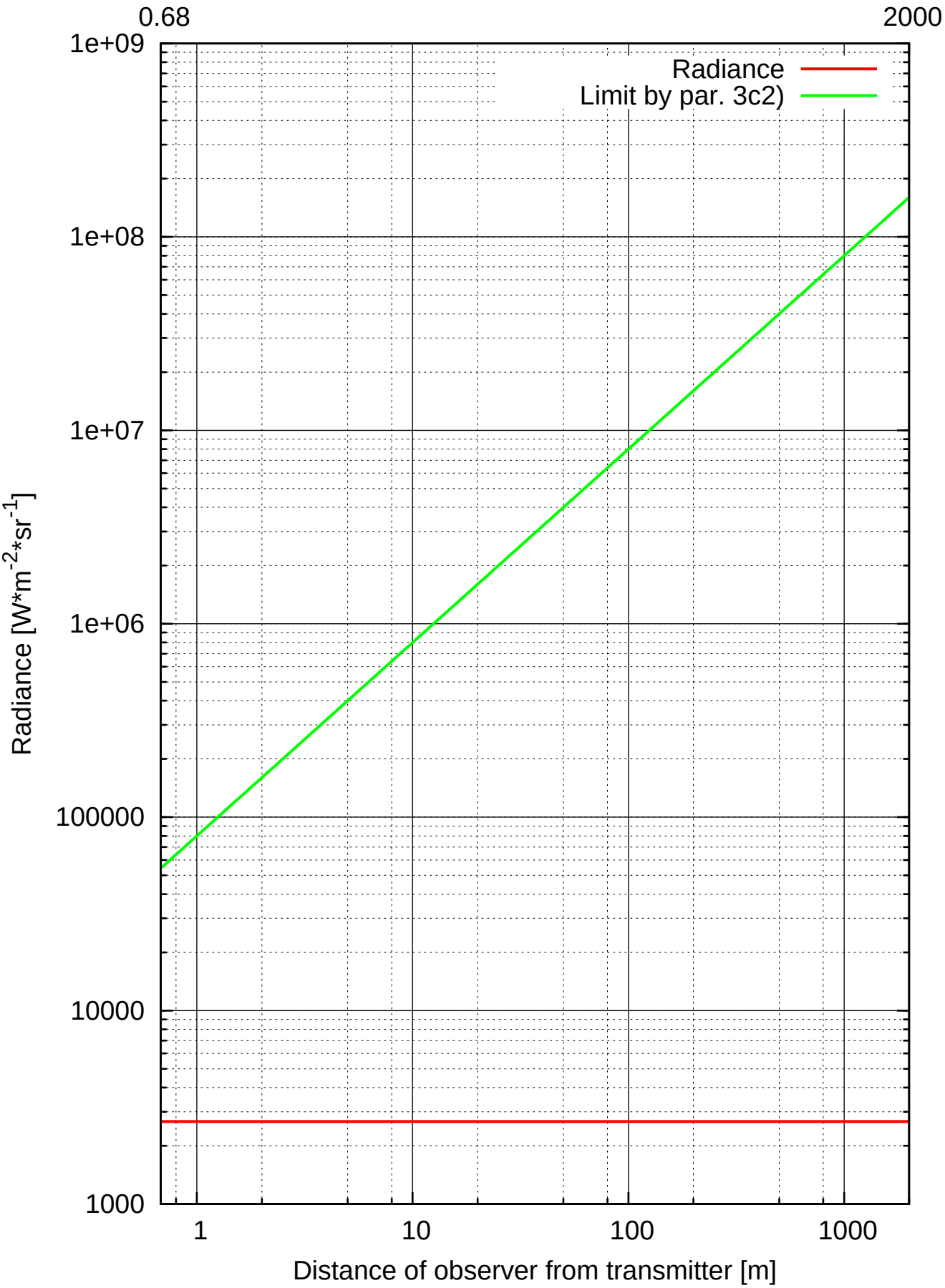

Par. 3c1): Radiant flux density for 20x telescope
130mm loupe, HSDL4220
2000
1000
100
10
1
0.1
0.01
0.001
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
10
100
1000
Distance of observer from transmitter [m]

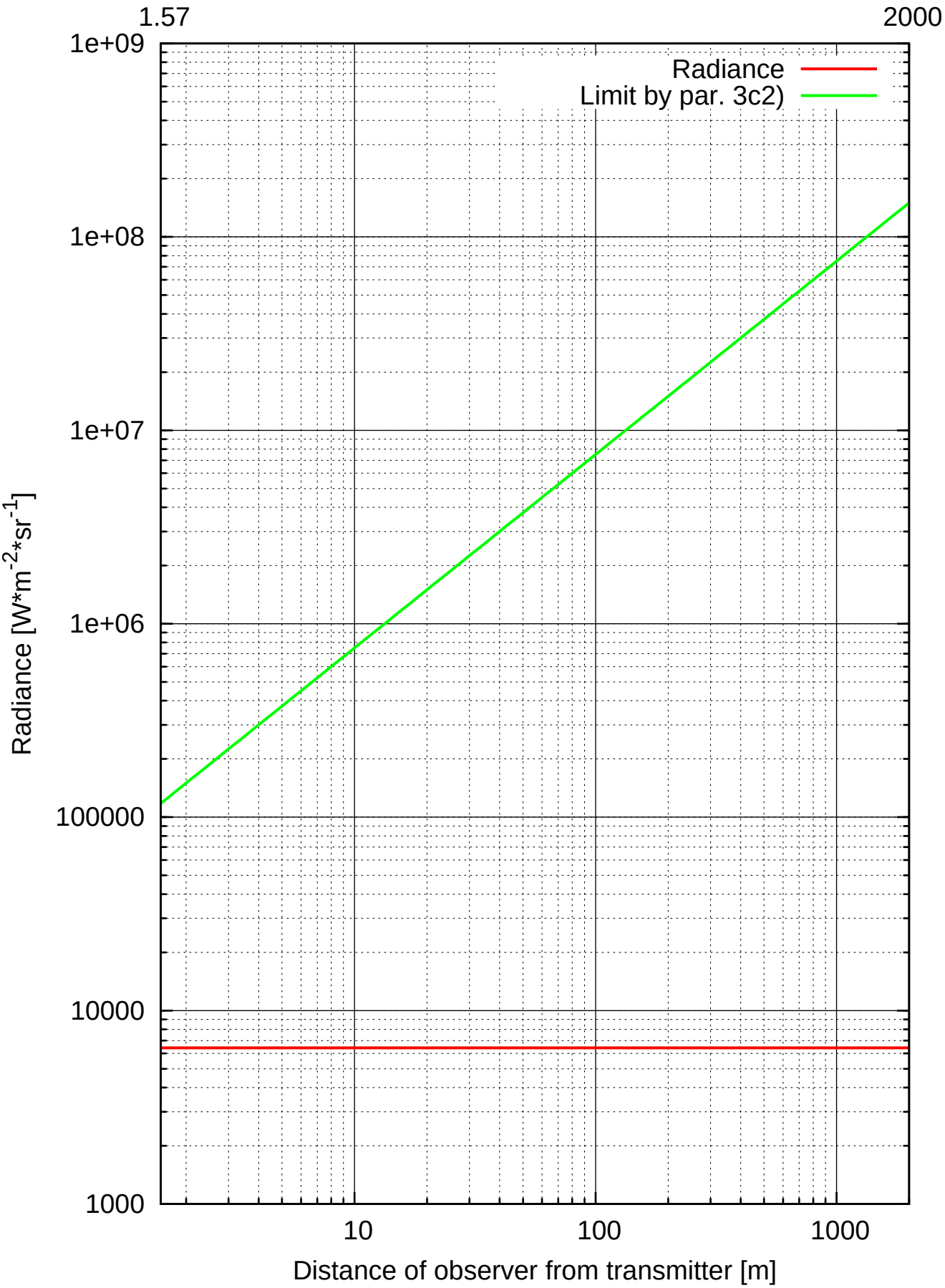

Par. 3c1): Radiant flux density for 20x telescope
130mm loupe, HSDL4230
2000
1000
100
10
1
0.1
0.01
0.001
Radiant flux density
Par. 3c1) limit
Radiant flux density [W*m-2]
10
100
1000
Distance of observer from transmitter [m]

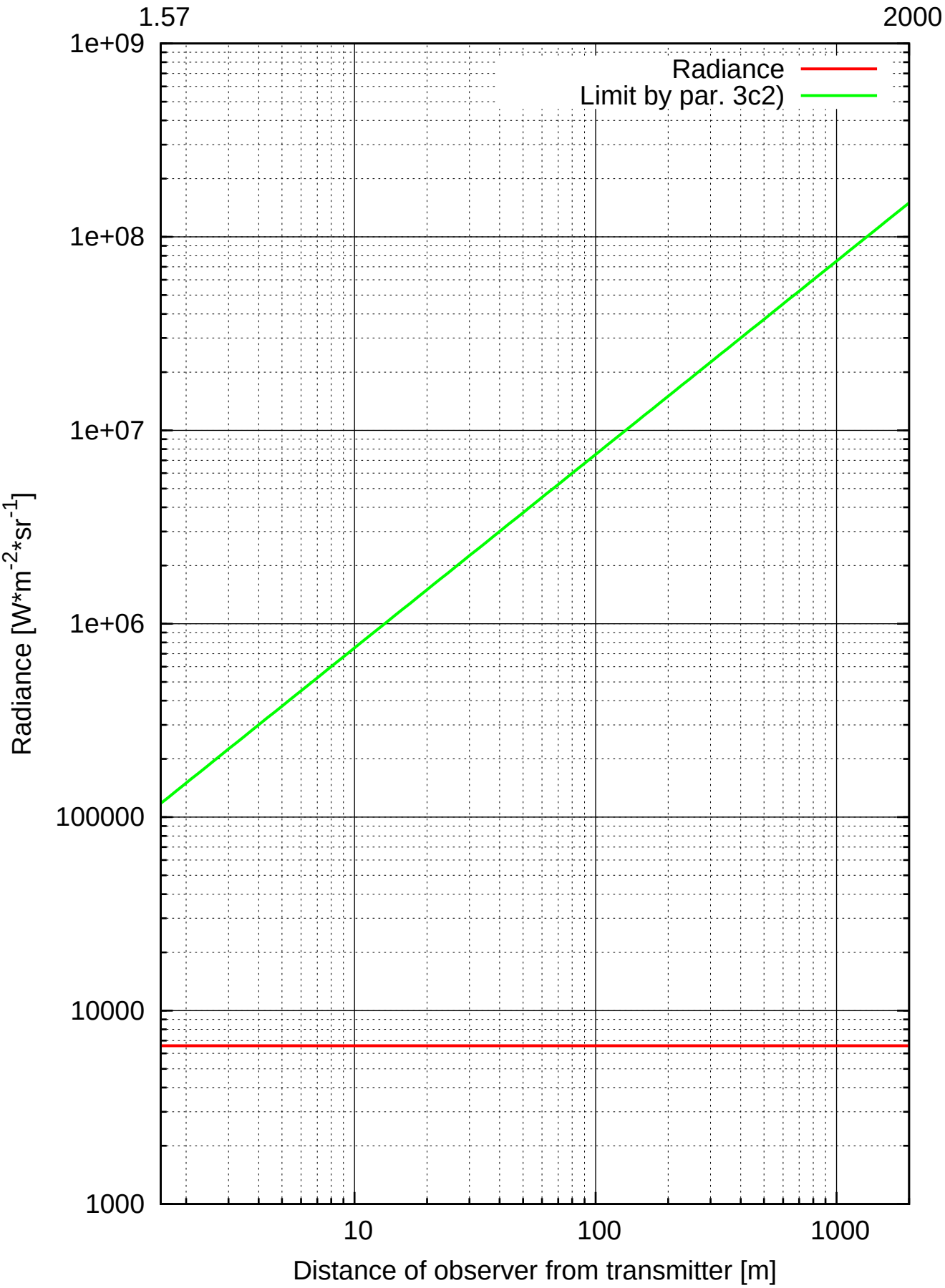

Par. 3c2) Radiance for naked eye
60mm loupe, HSDL4220
1.32
2000
1e+09
1e+08
1e+07
1e+06
100000
10000
1000
Radiance
Limit by par. 3c2)
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]

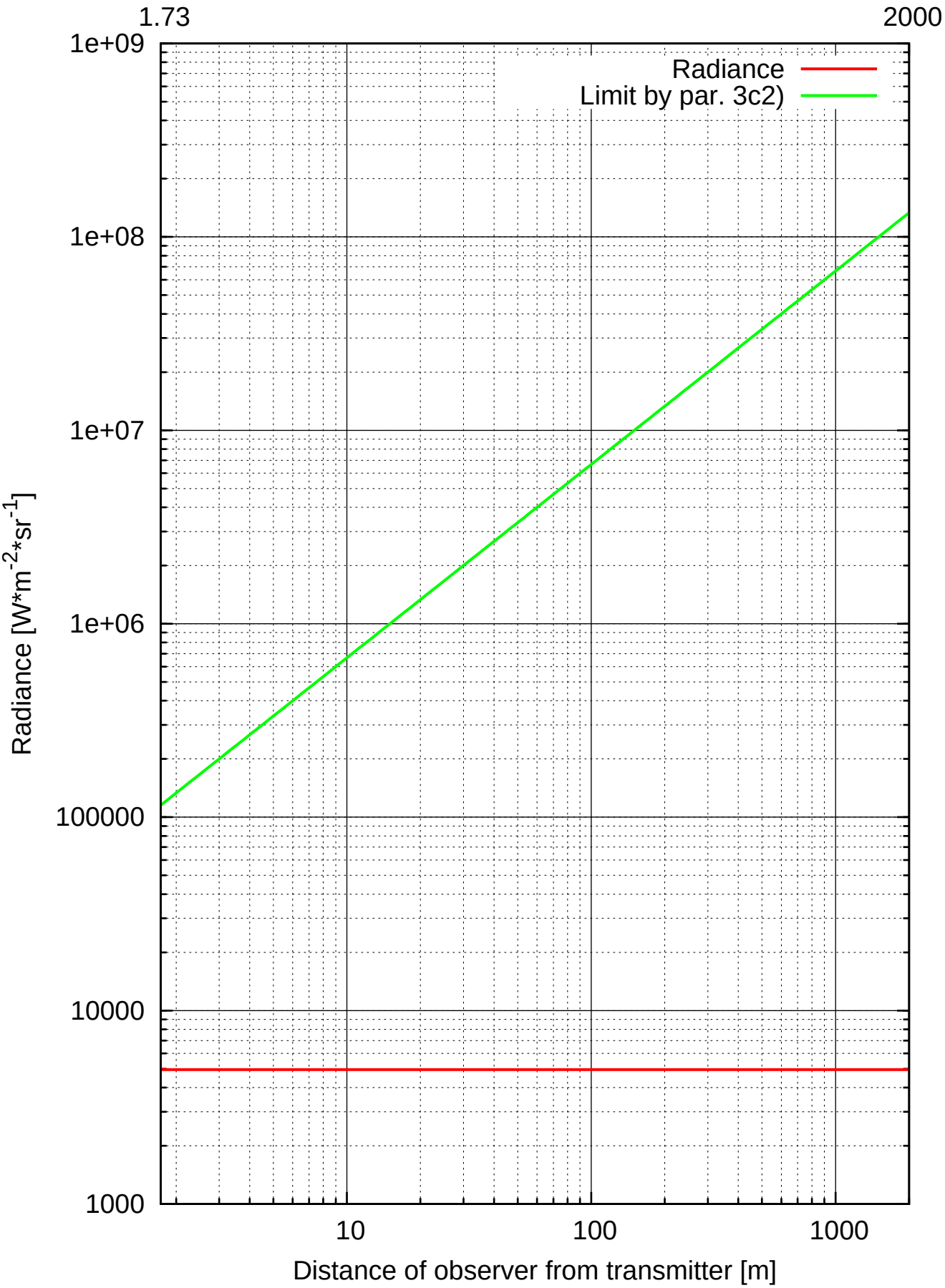

Par. 3c2) Radiance for naked eye
60mm loupe, HSDL4230
1.32
2000
1e+09
1e+08
1e+07
1e+06
100000
10000
1000
Radiance
Limit by par. 3c2)
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]

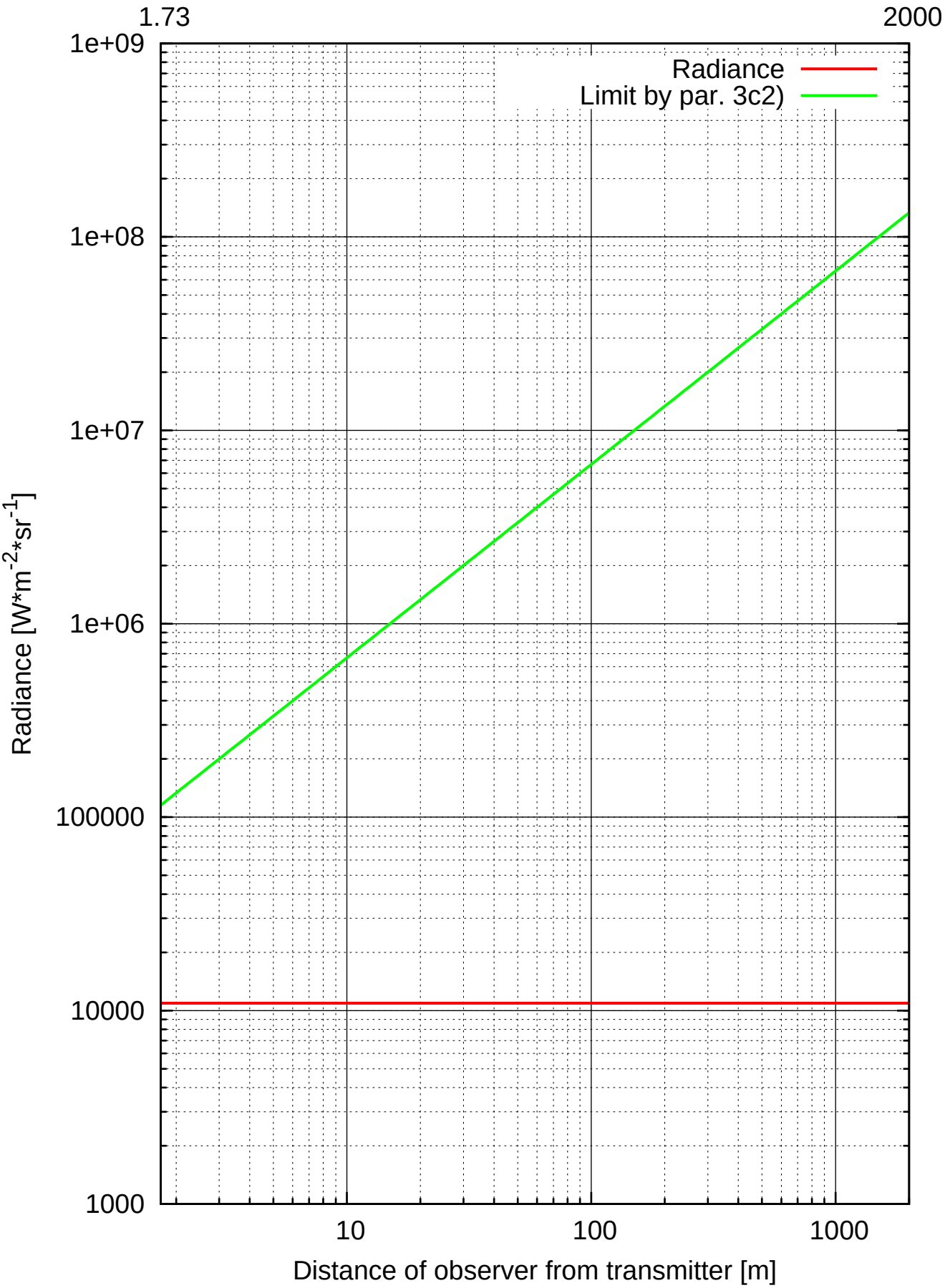

Par. 3c2) Radiance for naked eye
75mm loupe, HSDL4220
0.68
2000
1e+09
1e+08
1e+07
1e+06
100000
10000
1000
Radiance
Limit by par. 3c2)
Radiance [W*m-2*sr-1]
1
10
100
1000
Distance of observer from transmitter [m]

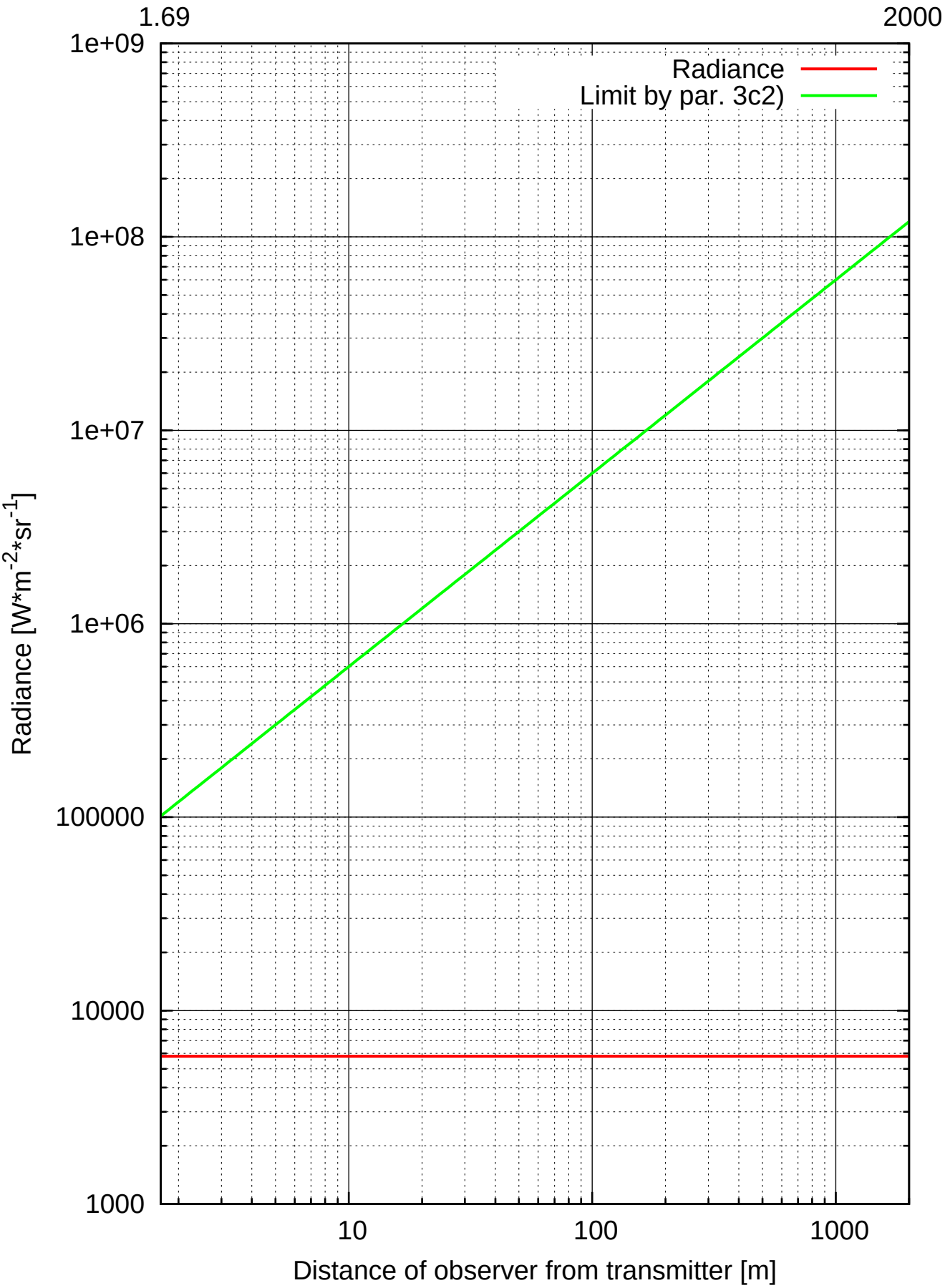

Par. 3c2) Radiance for naked eye
75mm loupe, HSDL4230
0.68
2000
1e+09
1e+08
1e+07
1e+06
100000
10000
1000
Radiance
Limit by par. 3c2)
Radiance [W*m-2*sr-1]
1
10
100
1000
Distance of observer from transmitter [m]

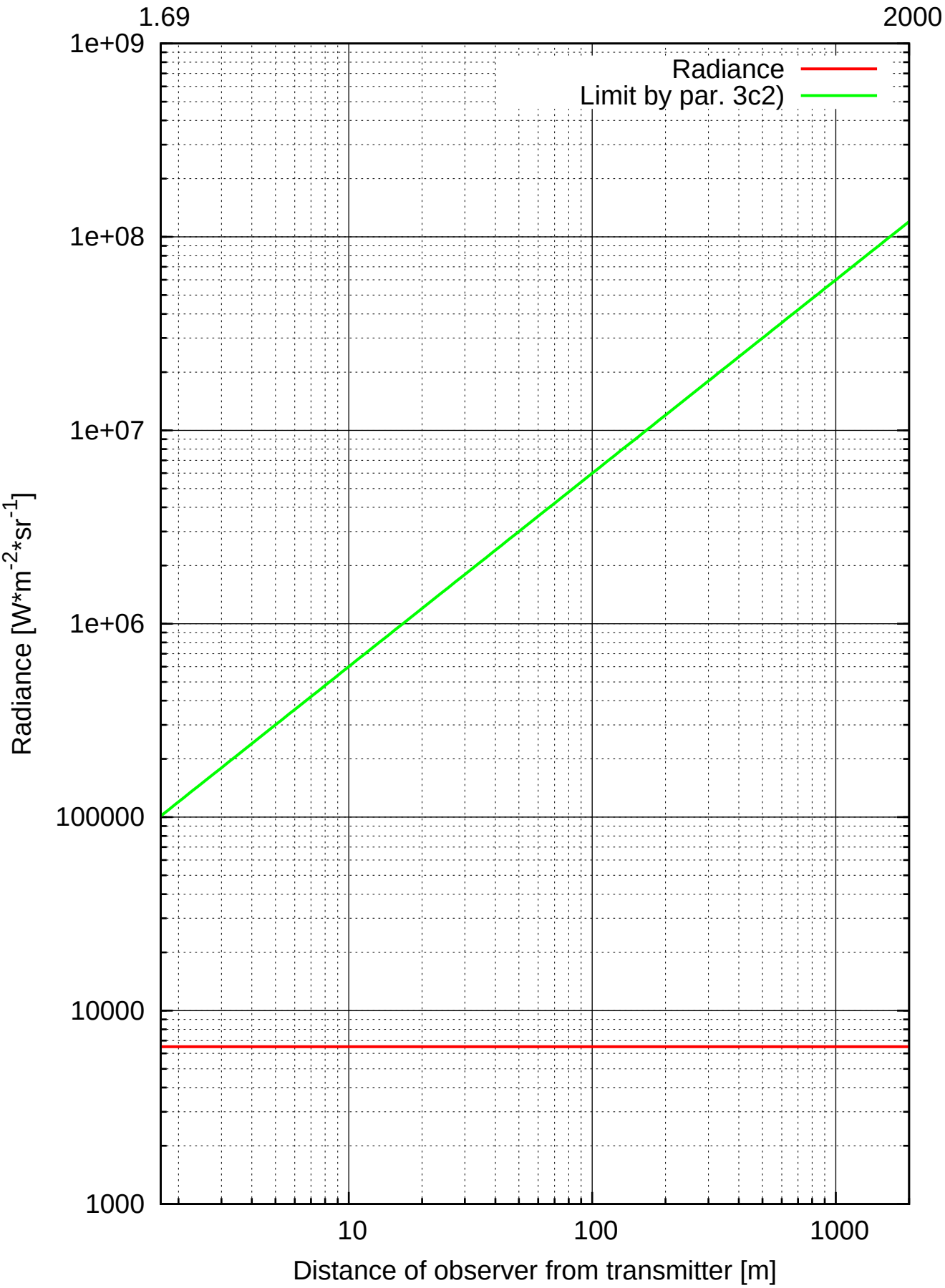

Par. 3c2) Radiance for naked eye
80mm loupe, HSDL4220
1.57
2000
1e+09
1e+08
1e+07
1e+06
100000
10000
1000
Radiance
Limit by par. 3c2)
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]

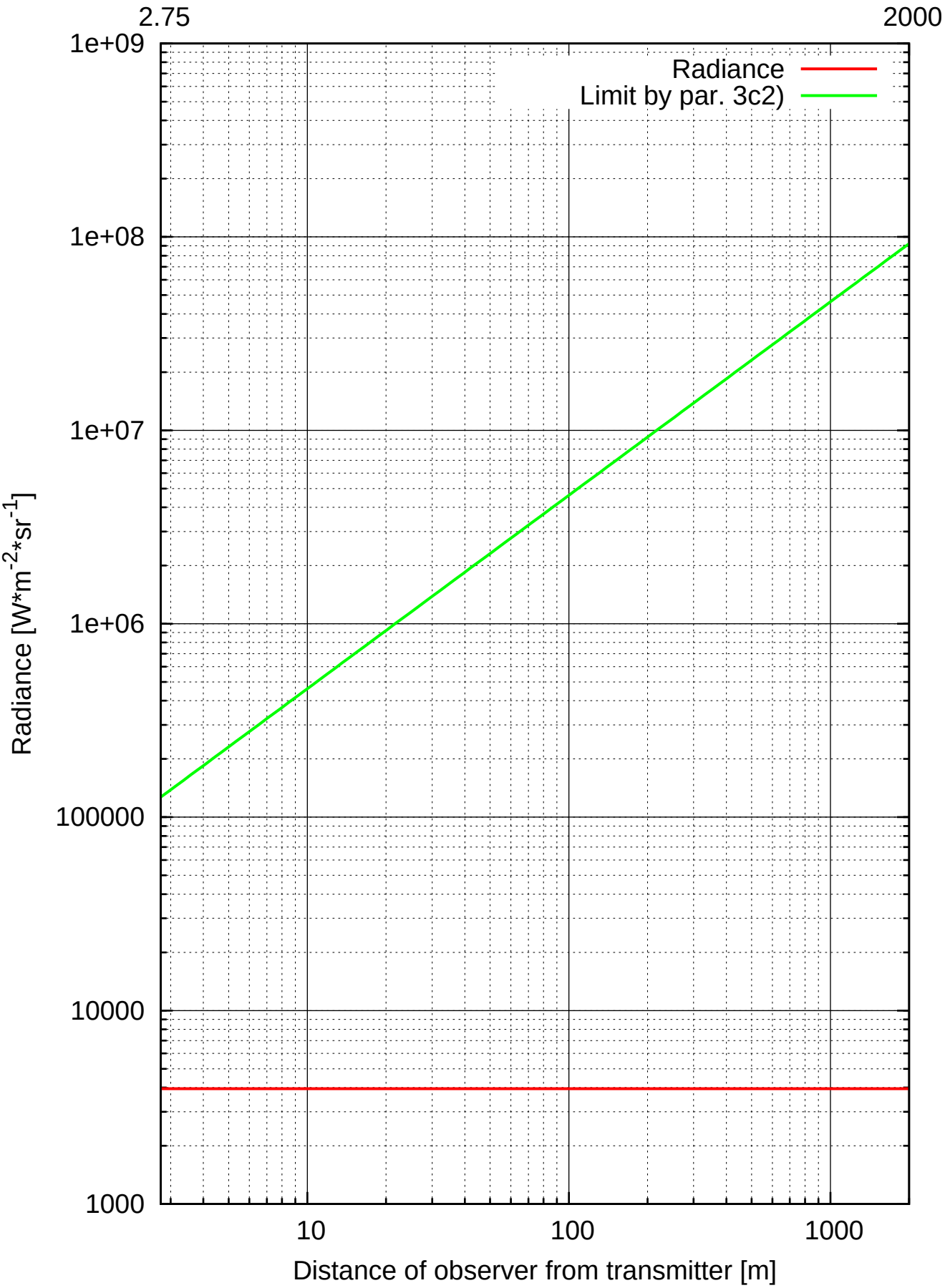

Par. 3c2) Radiance for naked eye
80mm loupe, HSDL4230
1.57
2000
1e+09
1e+08
1e+07
1e+06
100000
10000
1000
Radiance
Limit by par. 3c2)
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]

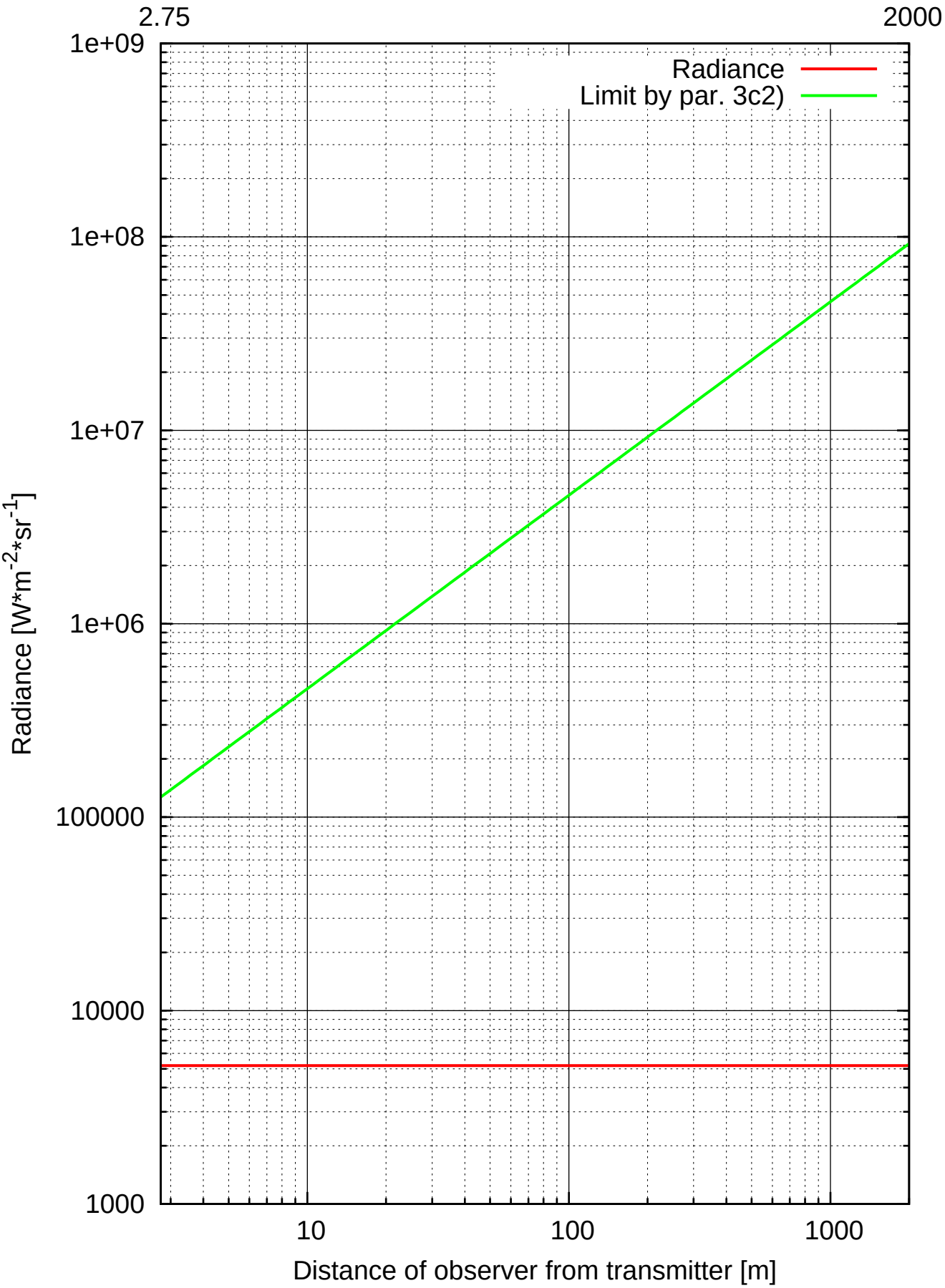

Par. 3c2) Radiance for naked eye
90mm loupe, HSDL4220
1.73
2000
1e+09
1e+08
1e+07
1e+06
100000
10000
1000
Radiance
Limit by par. 3c2)
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]

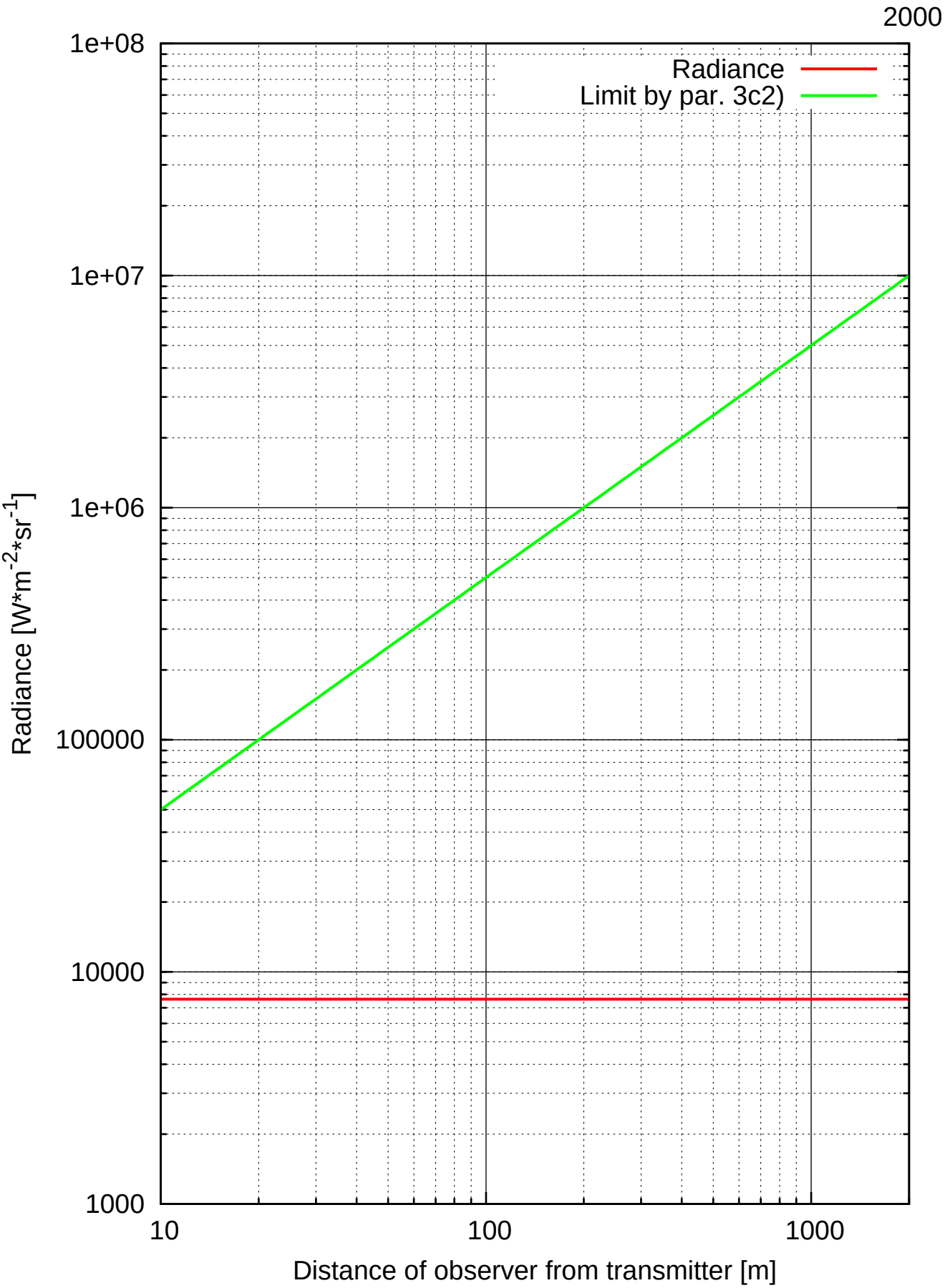

Par. 3c2) Radiance for naked eye
90mm loupe, HSDL4230
1.73
2000
1e+09
1e+08
1e+07
1e+06
100000
10000
1000
Radiance
Limit by par. 3c2)
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]

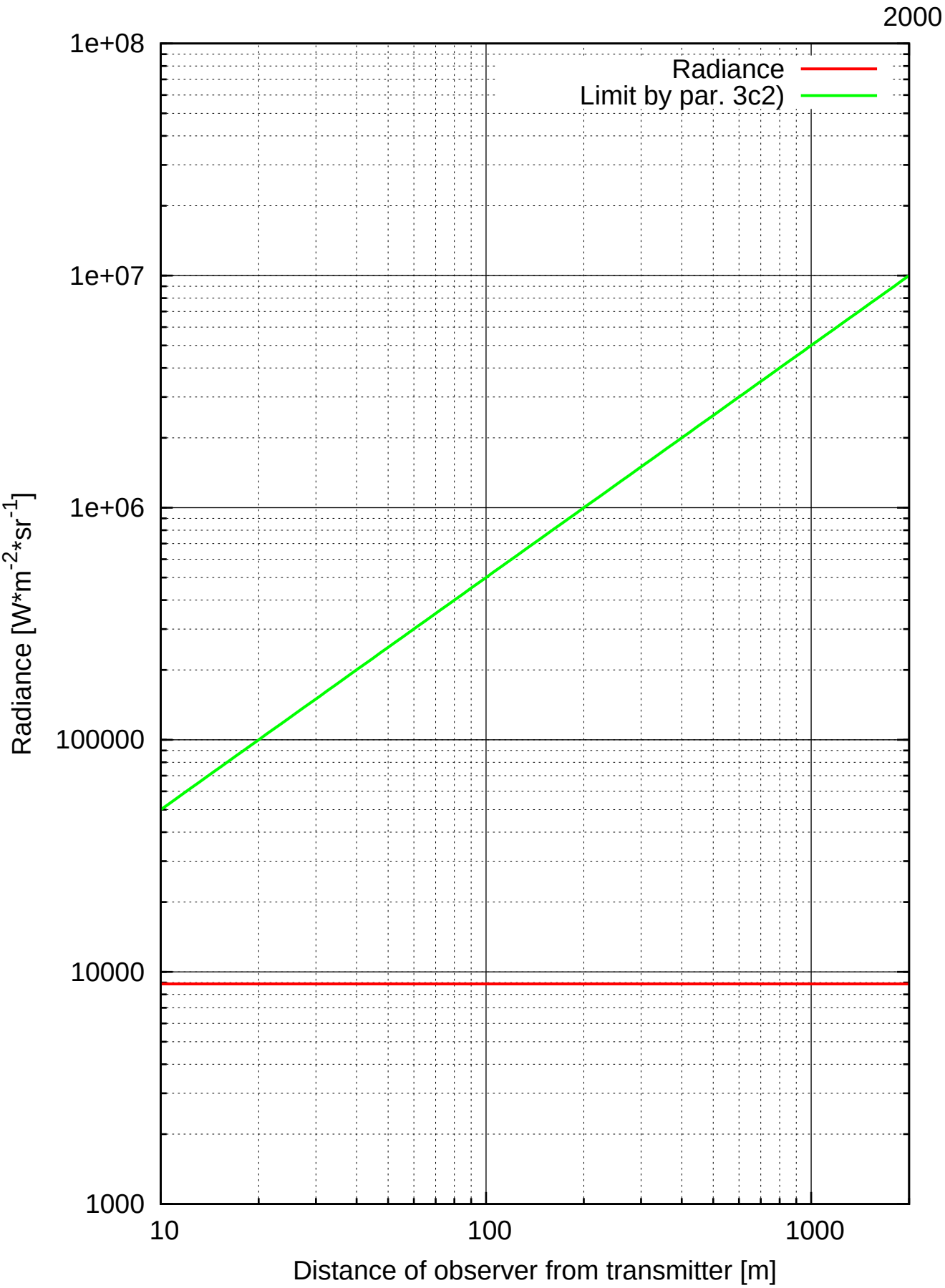

Par. 3c2) Radiance for naked eye
100mm loupe, HSDL4220
1.69
2000
1e+09
1e+08
1e+07
1e+06
100000
10000
1000
Radiance
Limit by par. 3c2)
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]

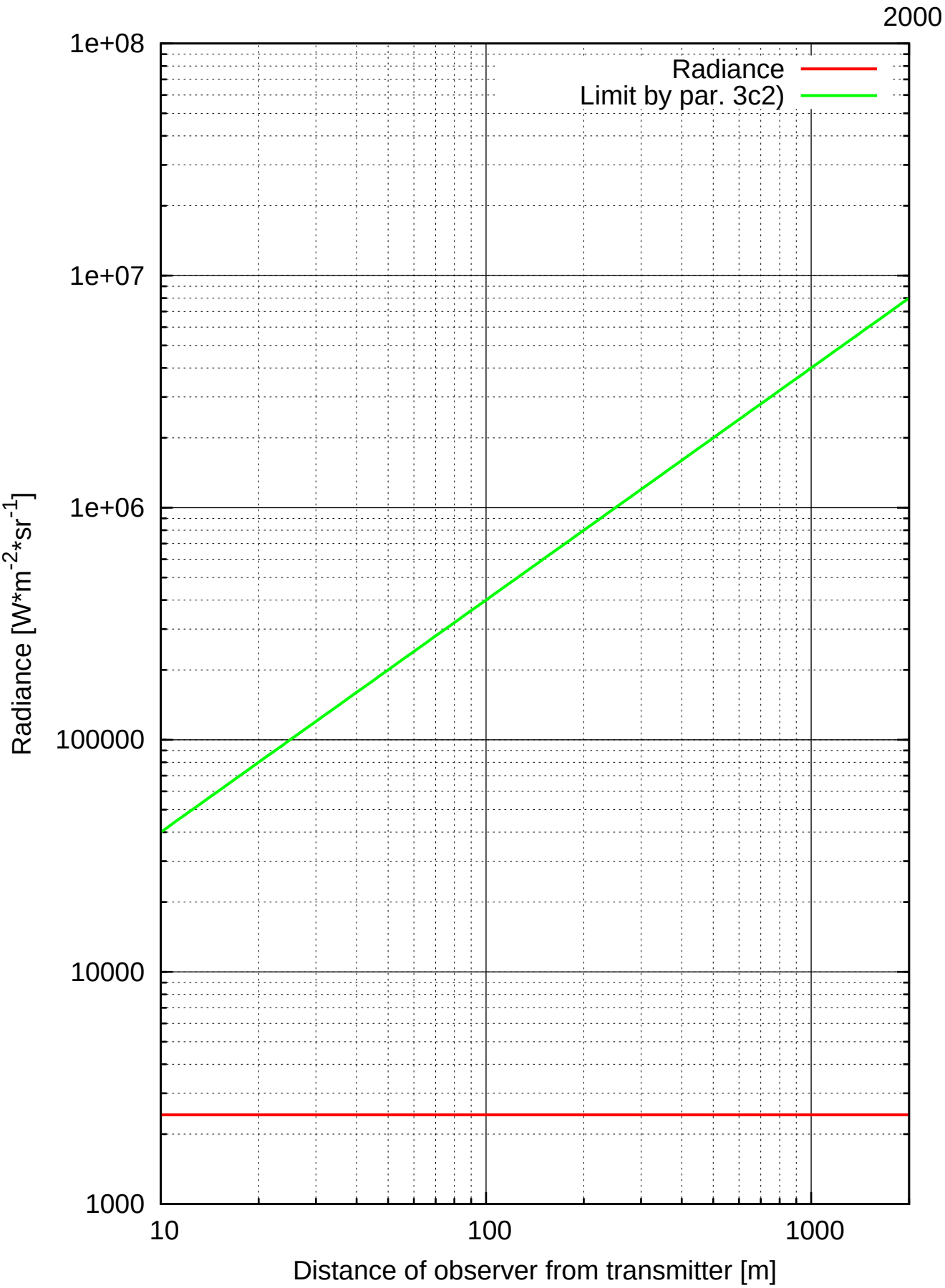

Par. 3c2) Radiance for naked eye
100mm loupe, HSDL4230
1.69
2000
1e+09
1e+08
1e+07
1e+06
100000
10000
1000
Radiance
Limit by par. 3c2)
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]

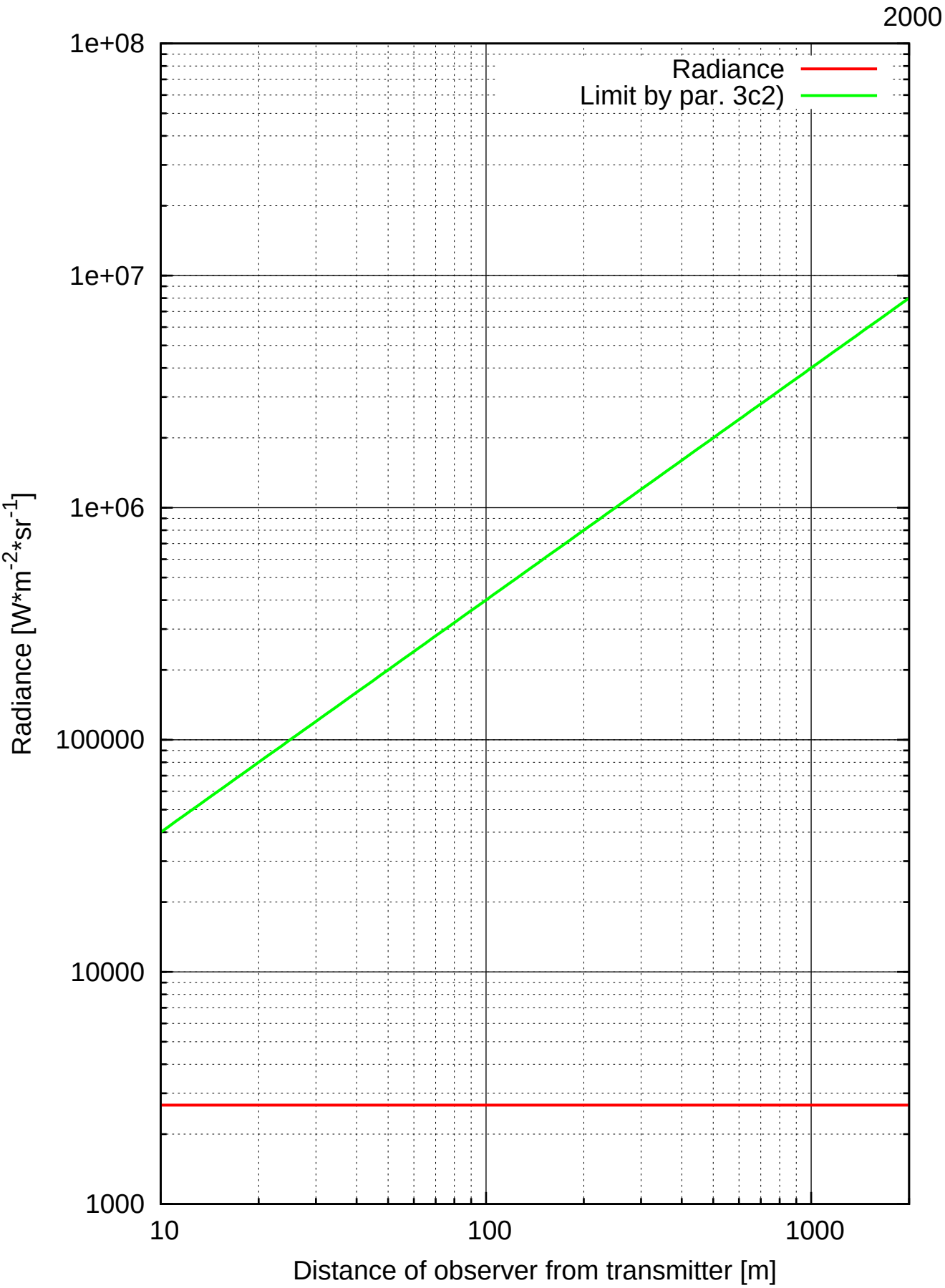

Par. 3c2) Radiance for naked eye
130mm loupe, HSDL4220
2.75
2000
1e+09
1e+08
1e+07
1e+06
100000
10000
1000
Radiance
Limit by par. 3c2)
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]

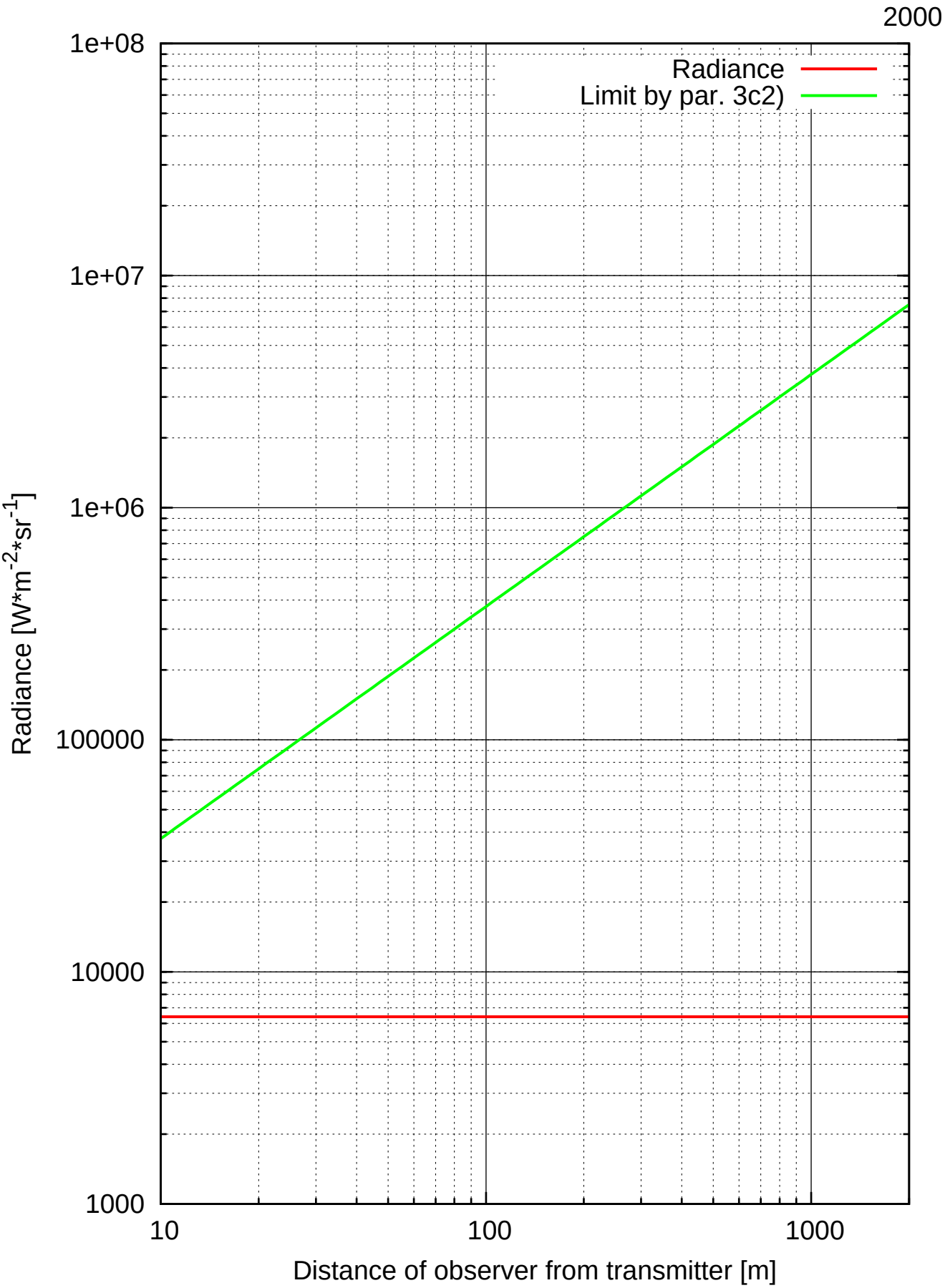

Par. 3c2) Radiance for naked eye
130mm loupe, HSDL4230
2.75
2000
1e+09
1e+08
1e+07
1e+06
100000
10000
1000
Radiance
Limit by par. 3c2)
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]

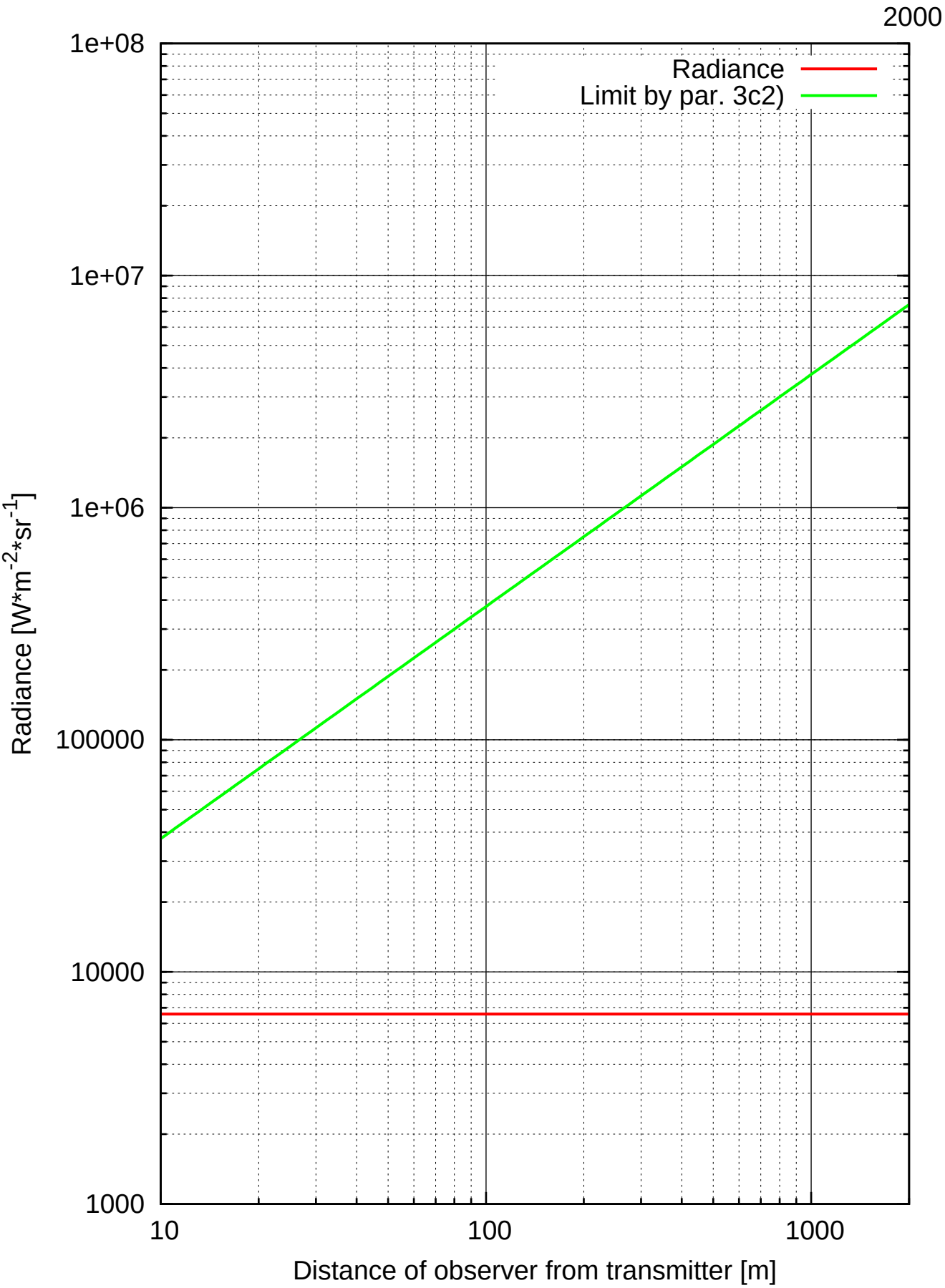

Par. 3c2) Radiance for 20x telescope
60mm loupe, HSDL4220
2000
Radiance
Limit by par. 3c2)
1e+08
1e+07
1e+06
100000
10000
1000
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]

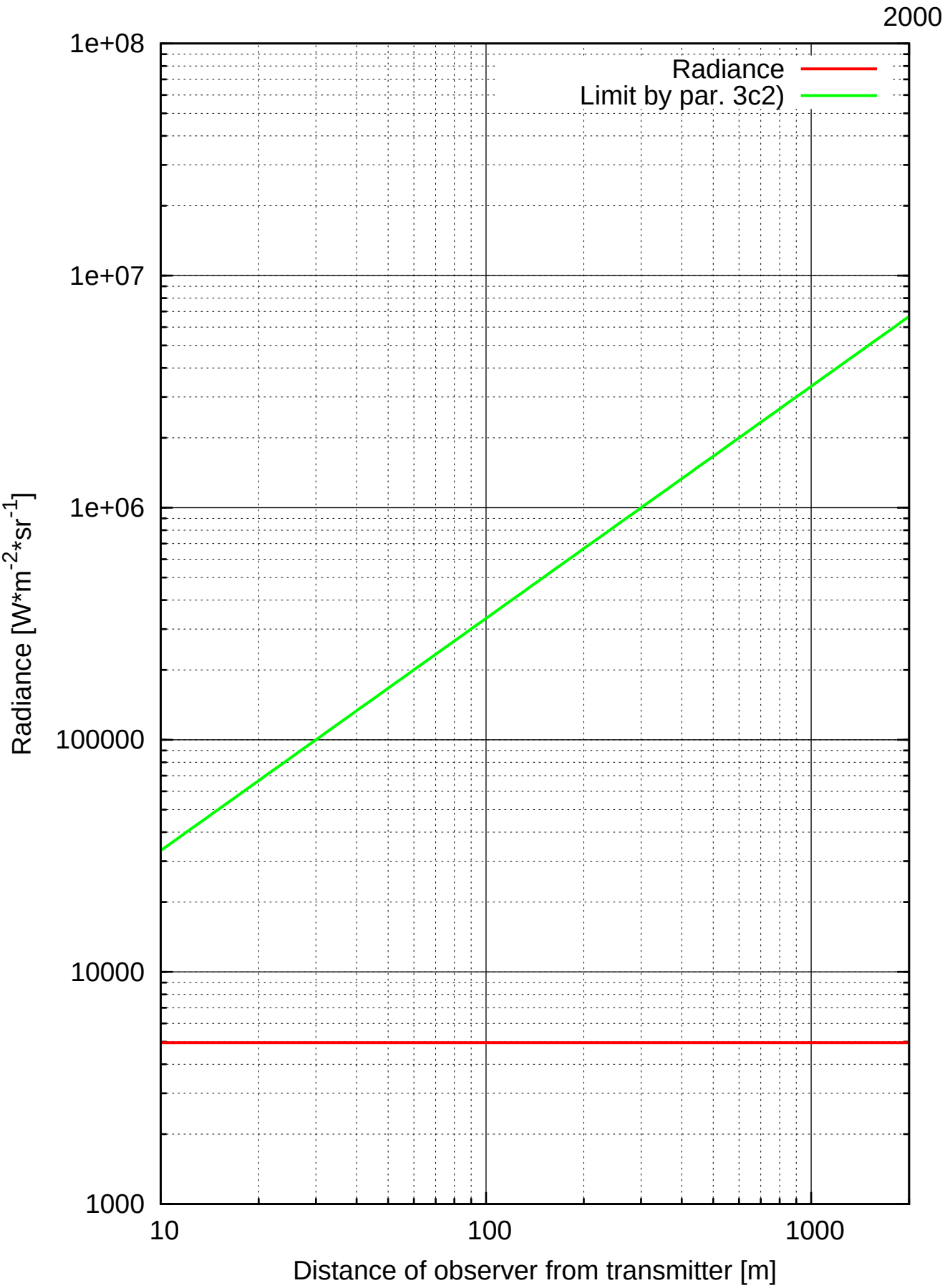

Par. 3c2) Radiance for 20x telescope
60mm loupe, HSDL4230
2000
1e+08
1e+07
1e+06
100000
10000
1000
Radiance
Limit by par. 3c2)
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]

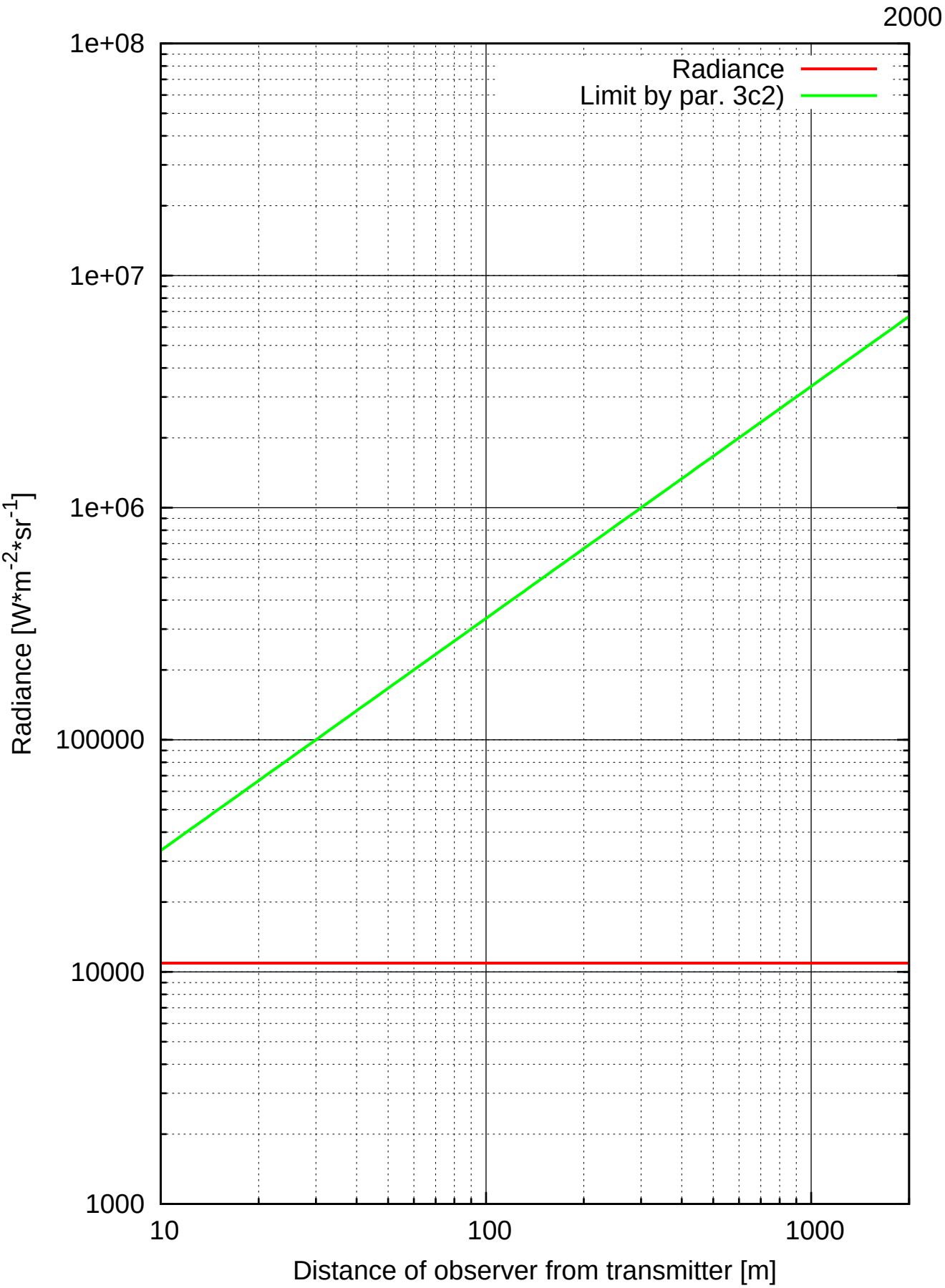

Par. 3c2) Radiance for 20x telescope
75mm loupe, HSDL4220
2000
Radiance
Limit by par. 3c2)
1e+08
1e+07
1e+06
100000
10000
1000
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]

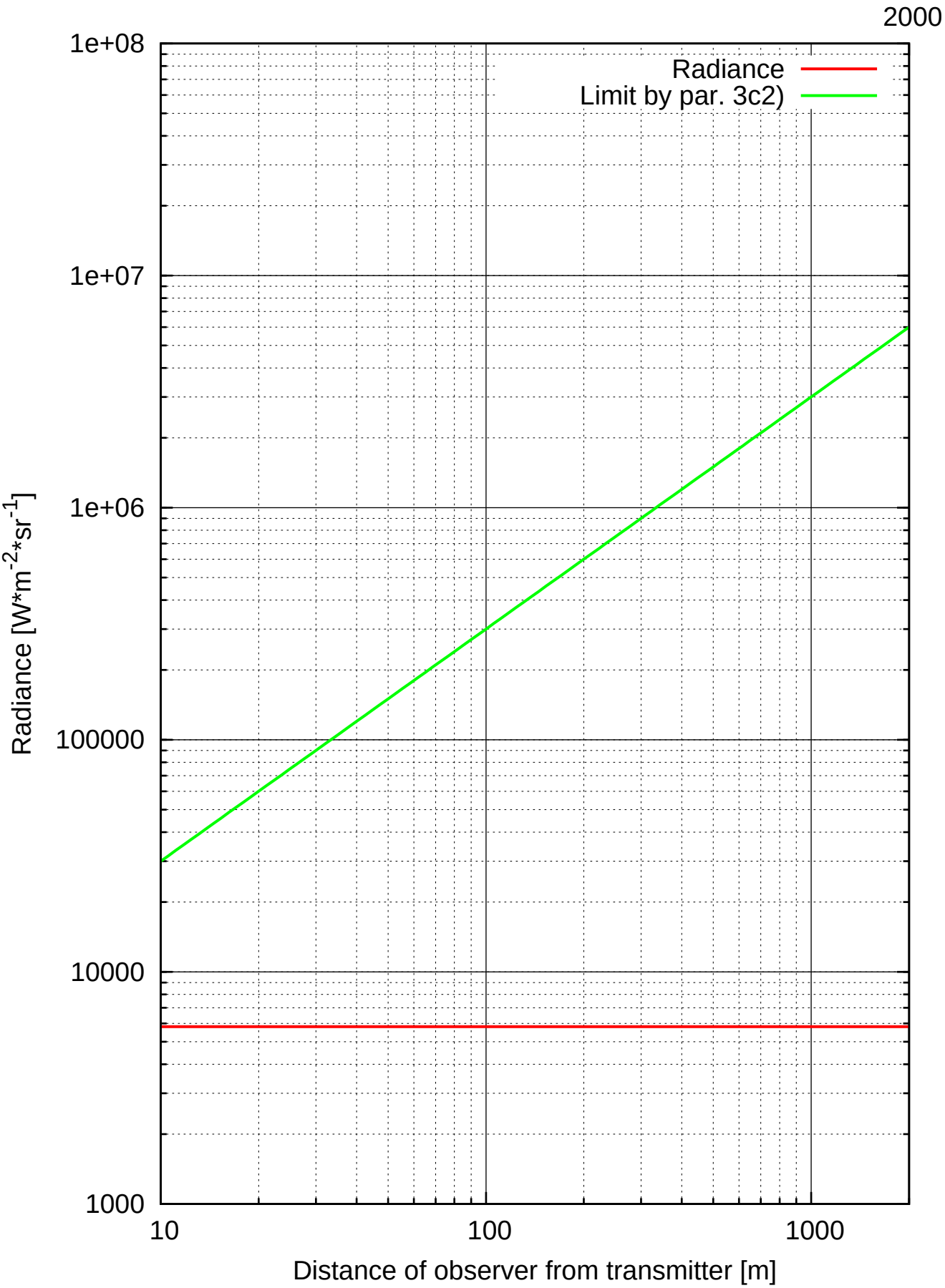

Par. 3c2) Radiance for 20x telescope
75mm loupe, HSDL4230
2000
1e+08
1e+07
1e+06
100000
10000
1000
Radiance
Limit by par. 3c2)
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]

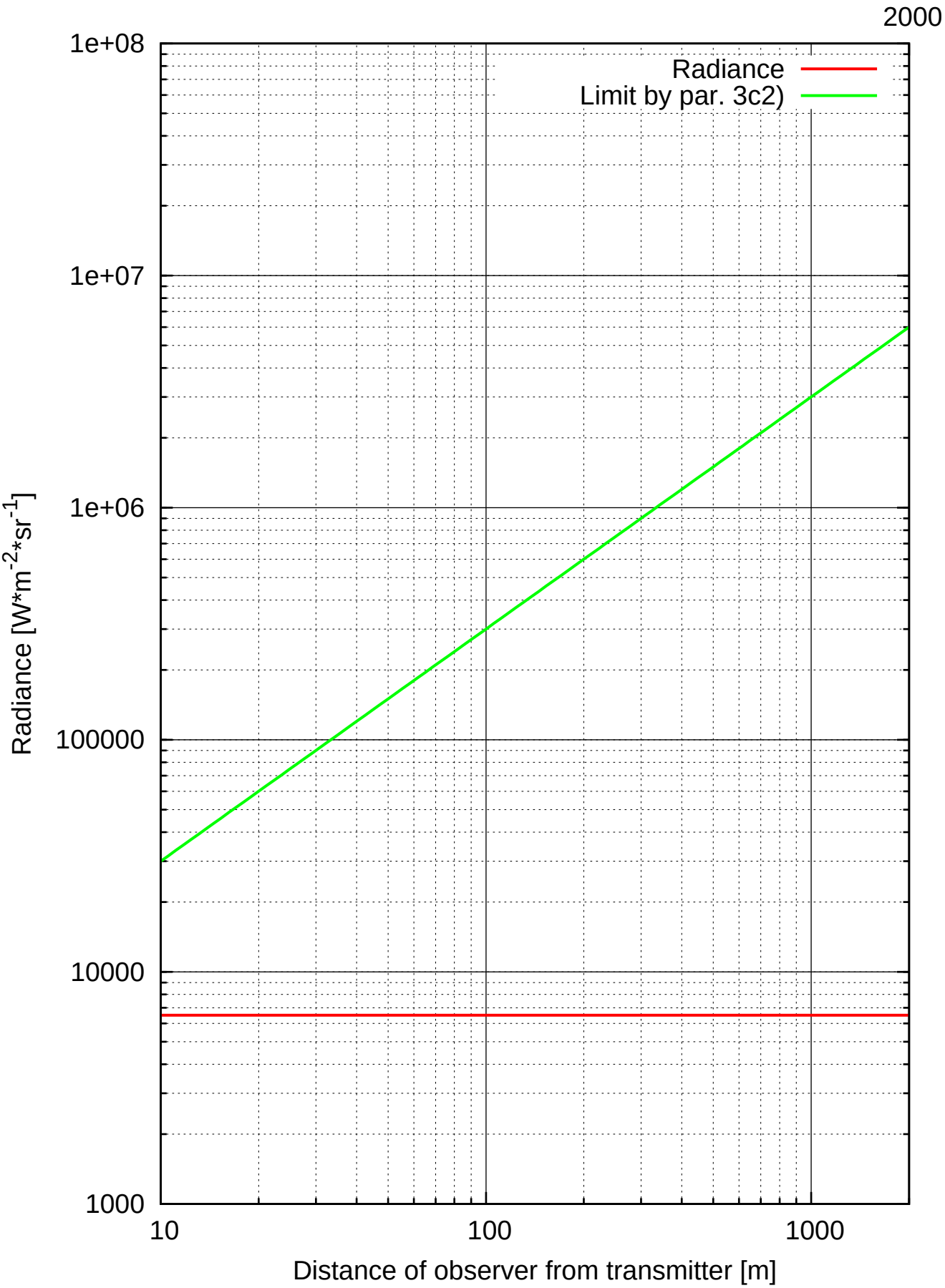

Par. 3c2) Radiance for 20x telescope
80mm loupe, HSDL4220
2000
Radiance
Limit by par. 3c2)
1e+08
1e+07
1e+06
100000
10000
1000
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]

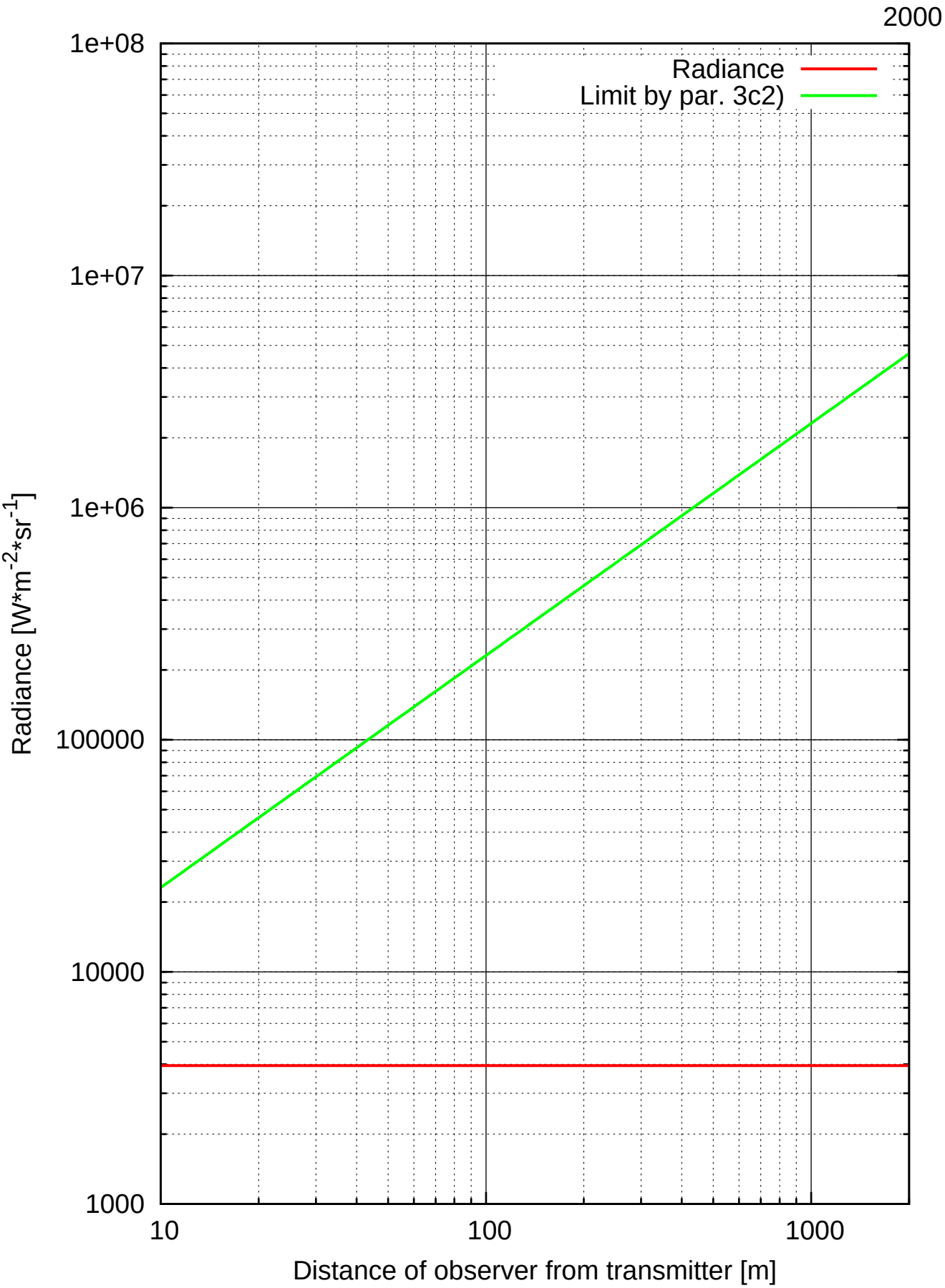

Par. 3c2) Radiance for 20x telescope
80mm loupe, HSDL4230
2000
Radiance
Limit by par. 3c2)
1e+08
1e+07
1e+06
100000
10000
1000
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]

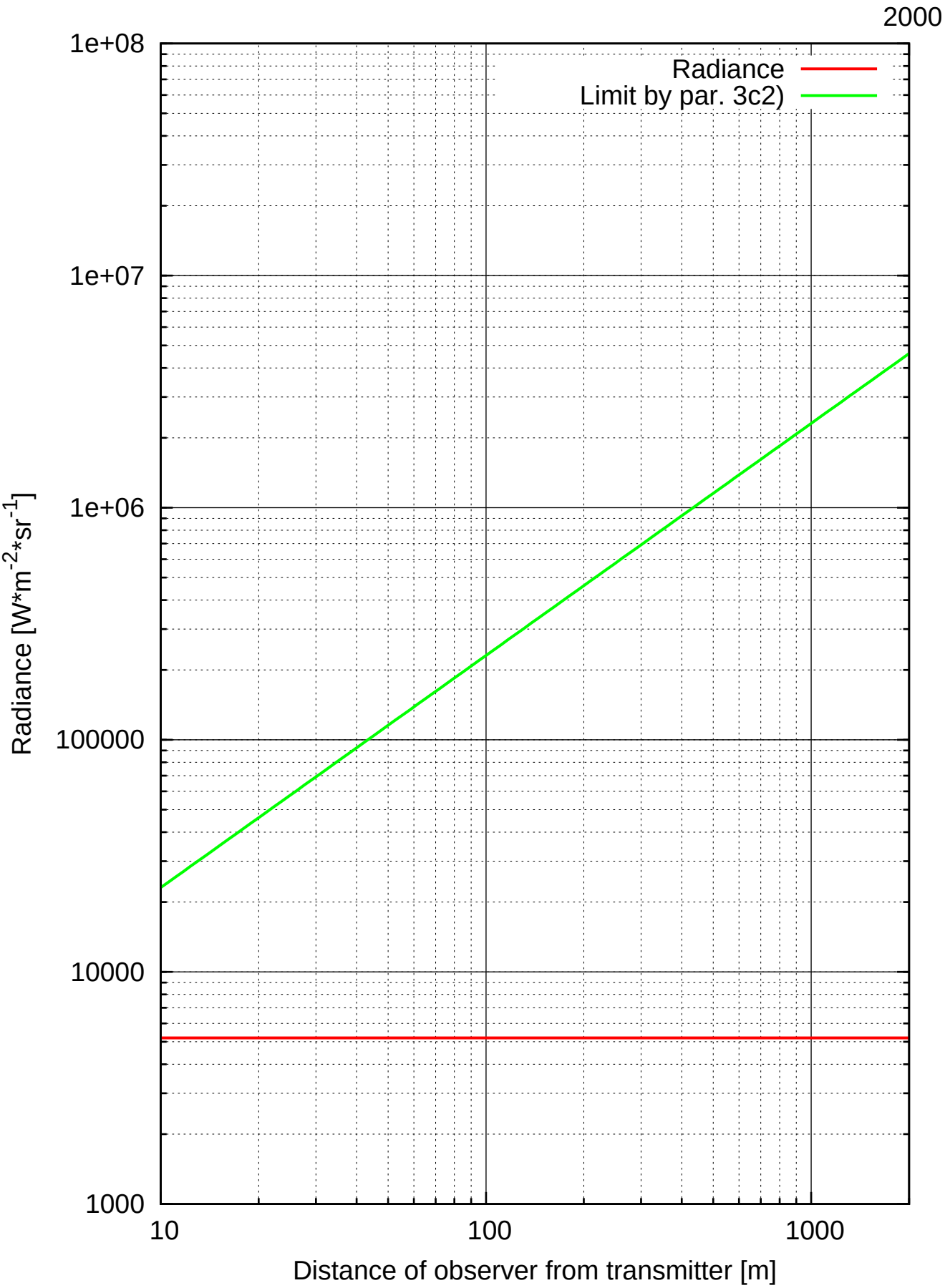

Par. 3c2) Radiance for 20x telescope
90mm loupe, HSDL4220
2000
1e+08
1e+07
1e+06
100000
10000
1000
Radiance
Limit by par. 3c2)
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]


Par. 3c2) Radiance for 20x telescope
90mm loupe, HSDL4230
2000
Radiance
Limit by par. 3c2)
1e+08
1e+07
1e+06
100000
10000
1000
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]


Par. 3c2) Radiance for 20x telescope
100mm loupe, HSDL4220
2000
1e+08
1e+07
1e+06
100000
10000
1000
Radiance
Limit by par. 3c2)
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]


Par. 3c2) Radiance for 20x telescope
100mm loupe, HSDL4230
2000
Radiance
Limit by par. 3c2)
1e+08
1e+07
1e+06
100000
10000
1000
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]


Par. 3c2) Radiance for 20x telescope
130mm loupe, HSDL4220
2000
1e+08
1e+07
1e+06
100000
10000
1000
Radiance
Limit by par. 3c2)
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]


Par. 3c2) Radiance for 20x telescope
130mm loupe, HSDL4230
2000
1e+08
1e+07
1e+06
100000
10000
1000
Radiance
Limit by par. 3c2)
Radiance [W*m-2*sr-1]
10
100
1000
Distance of observer from transmitter [m]