



SUN

2" = 100,000 MILES  
SIZE OF POOL BALL

EARTH

92x2" = 184" = 14.4 FEET  
DIAMETER = 8/1000THS OF SUN

MOON

DISTANCE FROM EARTH  
A BIT LESS THAN 1/4"  
DIAMETER 2/1000THS OF SUN

MERCURY

36x2" = 72" = 6 FEET AWAY  
DIAMETER = 3/1000THS OF SUN

MARS

142x2" = 284" = 23.8 FEET  
DIAMETER 4/1000THS

VENUS

67x2" = 134" = 11.1 FEET  
DIAMETER = 7/1000THS OF SUN

JUPITER

483x2" = 966" = 80 FEET  
DIAMETER = 1/10 OF SUN → ○

SATURN

900x2" = 1800" = 150 FEET  
DIAMETER = 1/12 OF SUN → ○

URANUS

1700x2" = 3400" = 283 FEET  
DIAMETER = 3/100TH - 1/20TH → ○

NEPTUNE

2800x2" = 5600" = 466 FEET  
DIAMETER = 1/20TH OF SUN

PLUTO

3670x2" = 7340" = 611 FEET  
DIAMETER = 1.5/1000THS OF SUN

KUIPER BELT

50 AU = 725 FEET  
SHARP EDGE

ORBIT CLOUD

EDGE IS 100,000 AU FROM SUN (200,000 AU TOTAL)  
100,000 AU x 2" = 300 MILES (600 MILES TOTAL)

PROXIMA CENTAURI (3 STAR SYSTEM)

4.2 LIGHT YEARS = 300,000 AU x 2" = 900 MILES → ○ 1/7 SIZE OF SUN

UNIVERSE  
13 BILLION LY

MILKY WAY  
100,000 LY = 22,200,000 MILES  
(22 MILLION)

NEXT GALAXY / SAGITTARIUS DWARF  
100,000 LY FROM MILKY WAY  
(22 MILLION MILES)

100,000 LY  
↓ NEXT GALAXY  
ETC., ETC.,

1 AU = 92 MILLION MILES = 14.4 FEET

1 LIGHT YEAR = 222 MILES

NEAREST STAR 4 LY  
CONSECUTIVE STARS  
5 LY = 1122 MILES  
6 LY = 1344 MILES ETC. ETC. ETC. LY  
10 LY w/ MULTIPLE STARS (2220 MILES)

SIRIUS A  
8 LY + 2x DIAMETER OF SUN = 4"

ACTINUS  
36 LY = 8000 MILES + 25x2" (SUN) = 50" / 4' 2"

LARGEST STARS = 50x2" = 8' 4"

\* Sun is an AVERAGE SIZE STAR