

Hoja1

MODEL OF SOLAR SYSTEM / GALAXY / UNIVERSE

F.Colomer, Nov 19 2010

Scale= 20/1392000

,0000143678

1 Lyr (km) =

9.454.254.955.488

| | <u>Diameter (km)</u> | <u>Distance (km)</u> | <u>Rel. size (m)</u> | <u>Relative distance (m)</u> | <u>Where?</u> |
|-----------------|----------------------|----------------------|----------------------|------------------------------|-----------------|
| SUN | 1.392.000 | 0 | 20,000 | 0 | Yebe Obs. |
| Mercury | 4.878 | 57.910.000 | 0,070 | 832 | Yebe road |
| Venus | 12.102 | 108.200.000 | 0,174 | 1.555 | Yebe road |
| Earth | 12.756 | 149.597.870 | 0,183 | 2.149 | Yebe town |
| Moon (to Earth) | 3.474 | 363.000 | 0,050 | 5 | (next to Earth) |
| Mars | 6.786 | 227.940.000 | 0,098 | 3.275 | Horche |
| Jupiter | 142.984 | 778.330.000 | 2,054 | 11.183 | Guadalajara |
| Saturn | 120.536 | 1.426.980.000 | 1,732 | 20.503 | Alcalá de H. |
| Uranus | 51.118 | 2.870.990.000 | 0,734 | 41.250 | Madrid airport |
| Neptune | 49.528 | 4.497.070.000 | 0,712 | 64.613 | El Escorial |
| Pluto | 2.300 | 5.913.520.000 | 0,033 | 84.964 | < Toledo |

| | <u>Distance (Lyr)</u> | <u>Distance (10⁹ km)</u> | <u>Relative distance (km)</u> | <u>Where?</u> |
|------------------|-----------------------|-------------------------------------|-------------------------------|---------------|
| Proxima centauri | 4,22 | 39.897 | 573.232 | > Moon |
| Sirius | 8,60 | 81.307 | 1.168.198 | 3 x Moon |
| Orion Nebula M42 | 1.342,00 | 12.687.610 | 182.293.249 | > Sun |
| Ring Nebula M57 | 2.300,00 | 21.744.786 | 312.425.092 | 2 x Sun |
| Galactic center | 26.080,00 | 246.566.969 | 3.542.628.868 | < Neptune |
| Galaxy size | 200.000,00 | 1.890.850.991 | 27.167.399.297 | |
| Andromeda M31 | 2.500.000,00 | 23.635.637.389 | 339.592.491.217 | |
| Big bang | 13.700.000.000,00 | 129.523.292.890.186 | 1.860.966.851.870.480 | |

See map at: <http://maps.google.com/maps/ms?ie=UTF8&hl=es&msa=0&msid=102218508013935877328.000495ce741767d328443&z=10>