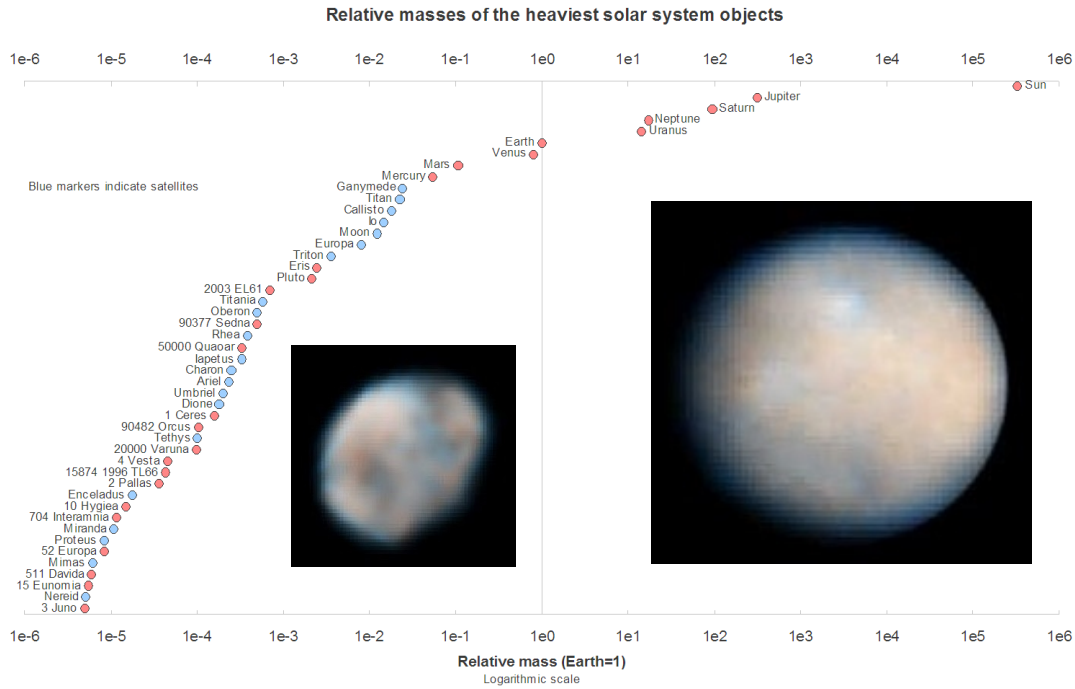


The Meghar Scale of Planetary Mass Classification



URL : http://en.wikipedia.org/wiki/File:Graph_showing_relative_masses_2.png

The Meghar Scale of Planetary Mass Classification is a planetary classification scheme developed and posted on the usenet newsgroup – sci.astro.amateur, by Willie R. Meghar, within a period of rapidly developing planetary knowledge during the summer of 2006.

URL : <http://groups.google.com/group/sci.astro.amateur/msg/e05d5976374dc39a?hl=en>

$$M_{\text{Sol}} \approx 1047.56 \times M_{\text{Jupiter}} \quad M_{\text{Jupiter}} \approx 317.83 \times M_{\text{Earth}} \quad M_{\text{Sol}} \approx 332\,946 \times M_{\text{Earth}}$$

Mass Classification	Mass Range	Actual Mass	Mass Unit
Star (Sun)	Variable	M_{Sol} 1.0 M_{\odot}	M_{\odot} Solar Mass
Dwarf Star	100 ~ 1000	M_{Jupiter} Varies	M_{J} Jupiter Mass
Brown Dwarf	10 ~ 100	M_{Jupiter} Varies	M_{J} Jupiter Mass
Super Giant	1 ~ 10	M_{Jupiter} Varies	M_{J} Jupiter Mass
Jupiter (Gas)	50 ~ 500	M_{Earth} 317.83	M_{\oplus} Earth Mass
Neptune (Ice)	5 ~ 50	M_{Earth} 17.147	M_{\oplus} Earth Mass
Earth (Terrestrial)	0.5 ~ 5	M_{Earth} 1.000	M_{\oplus} Earth Mass
Mars	0.05 ~ 0.5	M_{Earth} 0.107	M_{\oplus} Earth Mass
Lunar (Moon)	0.005 ~ 0.05	M_{Earth} 0.0123	M_{\oplus} Earth Mass
Pluto (Plutoid)	0.0005 ~ 0.005	M_{Earth} 0.00219	M_{\oplus} Earth Mass
Ceres (Asteroid)	0.00005 ~ 0.00005	M_{Earth} 0.000158	M_{\oplus} Earth Mass
Enceladus (Ice)	0.000005 ~ 0.000005	M_{Earth} 0.000018	M_{\oplus} Earth Mass