

New visualization shows incredible variety of extraterrestrial worlds

November 4 2015, by Nancy Atkinson

This poster shows more than 500 exoplanets discovered before October 2015 arranged according to their temperature and density. Credit: Martin Vargic

Here's a great new poster showing over 500 extrasolar planets (about one quarter of the total) that have been discovered since 1988. This visualization, created by graphic artist and writer Martin Vargic from Slovakia, is based on the estimated radius and temperature of the planets, however other factors, such as density, age or stellar metallicity were also taken into consideration. All the various known classes of exoplanets are shown on the graphic, such as super-Earths, hot Jupiters, hot Neptunes, water worlds, gas dwarfs or superdense diamond planets.

I love seeing the variety in sizes, as well as the diversity of projected colors of all the [alien worlds](#).

According to NASA's Exoplanet Archive website, 1,903 extra solar have been discovered since 1988 as of October 22, 2015.

You may have already seen Vargic's very cool [Map of the Internet](#), and of special interest to UT readers a [map of how the the constellations have changed over time](#) and [visualization of the moon replaced with other bodies](#), as well as a wide variety of other maps and infographics. You can check out his work on his website, Halcyon Maps. He puts out new graphics each week.

There are lots of ways to plot exoplanets. On the [Exoplanet Archive website](#), you can see plots for exoplanet mass vs. period, temperature, number of [exoplanets](#) discovered by year (2014 was a banner year), as well as how the planets were discovered (radial velocity, microlensing, timing variations and orbital brightness modulation).

Source: [Universe Today](#)

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