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Exoplanets list 2019

October 202010-05-2020: Catalog recently updated with TOI-700 d, Kepler-1649 c, GJ 1061 c/d, Kepler-1701 b and GJ 229A c.December 201912/05/2019: Today is the 8th anniversary of the paralyzed Exoplanets catalog. The catalog was updated today with the latest data (no new planets) and the sections of the methods were revised. September 201909/04/2019: Three planets were added to the catalogue around GJ 357 and GJ 1061. December 201812/10/2018: The catalogue now contains a summary of each star system with potentially habitable worlds. We also removed unapproved planets from the list and updated the parameters for many others. July 2018/02/2018: Kepler-1652 b and HD 283869 b. Kepler-1652 b is a warm terran approved in 2017 and HD 283869 b is the new warm superterran candidate. We're back with more continuous updates and almost fully recovered after Hurricane Maria.November 20171/15/2017: The Habitable Exoplanets catalog was updated by Ross on June 128, 2017 March 2017. February 201702/23/2017: The catalogue was updated with four potentially habitable planets (d,e, f, g) from seven TRAPPIST-1 planets. Three of them (e, f, g) are conservative habitable area and shown in the top figure as more interesting ones. Wolf 1061 c was removed from the catalog because it seems to be too hot, according to a recent study by kane et al. However, Wolf 1061 d was added to the site, now a habitable zone. An amazing addition to the KIC-5522786 b, it is an Earth-sized planet in a newly habitable area class star. These stars are hot and short lived and are not good candidates for habitable worlds. KIC-5522786 b is probably a very hot early Earth-like world and was added to the catalog as something interesting however. December 201612/05/2016: Today is the 5th anniversary of the inhabited exoplanets Catalogue. August 201608/24/2016: Proxima b was added to the HEC. July 201607/19/2016: Crossfield et al. (2016) reports the discovery of a system of four Earth-sized planets around the M-dwarf star K2-72. Up to two of these planets could be habitable in the area. However, there are known corrections with published values. We are waiting for additional results in this system to update the livable Exoplanet directory with the latest data. May 2016/ 28/2016: Habitable Exoplanets Catalogue (HEC) was updated with K2-9 b. The main infographics now include only the top items of interest (i.e. the conservative sample) because they became very cluttered with all the planets in the catalog. January 201601/08/2016: The Livable Exoplanets catalogue was updated with Wolf 1061 c. Planets Kapteyn b and HD 40307g are now listed as unapproved based on new results. The directory is now divided into a conservative and optimistic sample. Other parts of the website, such as the data section, will be updated in the next few days. December 2015October HEC was supplemented with the latest exoplanet data. July 2015, 201504/02/2015: Hec was added to Montet et al. Open Planet EPIC 201912552 b. This planet is now the closest transited planet to Earth (~110 light years) of interest to objects listed in hec. This makes the planet the main target for future observations in search of atmospheric signatures. EPIC 201912552 b receives roughly the same dryness as Earth, but it is a large world (~ 2.2 Earth radius) and possibly Mini-Neptune, but there are examples of dense planets of similar size (e.g. Mega-Earth). HEC was also updated with the recent NASA kepler data release (Q1-Q17), and there are more candidates for potentially habitable worlds in this new data set, a total of more than 110 now.03/02/2015: HEC is updated with minor fixes this month. This includes new plots and visualizations.01/16/2015: NASA's Kepler K2 mission, an excellent system for future observations, revealed a nearby transit world. EPIC 201367065 d will be added later today to the catalog. For more information, check crossfield et al. 01/06/2015: Six NASA Kepler planets were added to the habitable Exoplanets catalogue. One of them is Kepler-296 e, already approved in 2014, after revised properties. Kepler-438 b, Kepler-440 b, Kepler-442 b are new confirmed planets, but KOI-4427 b has still not been confirmed. Kepler-438 b and Kepler-296 e are now two of the earth-like planets based on insolation and size alone. December 201412/30/2014: A new piece of planets of all the habitable zones was created. The piece shows planets sizable against the mother star's effective temperature and incident of star flows.12/05/2014: Today is the third anniversary of the habitable Exoplanets directory. We added planetary candidate Gliese 3293 c, the furthest (~ 60 light years) known potentially habitable in the world with measured mass. We updated a lot of plots and tables to be more user-friendly with links to additional data. We also updated the definition of terran and superterran worlds to match the latest results (i.e. planets with less than 1.5 radius are likely to be rocky). There are many plans for next year. November 201411/24/2014: A significant update was made on NASA's Kepler candidates, which, among other things, affect the number of Earth-sized planets in the habitable zone (now eight). September 2014August 201408/04/2014: Major catalogue infographics were updated to exclude Gliese 581 d and Gliese 581 g. You can get previous state images (July 3, 2014) as a ZIP file from this link. July 2014. Many images were updated with this result. April 201404/17/2014: First potentially habitable Terran World March 2014 February 201402/18/2014: HEC was added to the Exoplanet Stellar Catalogue (ESC). January 2014December 201312/23/2013: HEC updated with the latest Kepler data include a new nearby candidate for earth-like world. A new batch from Kepler was also analyzed.12/05/2013: Today is the second anniversary of the livable Exoplanets directory. We updated the ranking of some exoplanets of ESI (not much change). We added new habitable zone plots to the results section and launched a new project to estimate the number of habitable worlds from our stellar surroundings to the entire universe.11/04/2013: New Kepler Potential Planet Transit Signals.September 2013August 201308/12/2013: Graphical depictions of 417 star systems with planets. July 2013Juju, April 2013 March 2013303/13/2013: HEC now shows the frequency, distance and probability of planetary planets on Earth. February 201302/26/2013: We are testing a new ESI scale. Although the original ESI is much better at assessing the similarity with Earth, it depends on the calculated/simulated parameters. The new scale is based only on observed values (size or mass, and stellar flow), so it is easier to use. The main difference between the two scales is that now potentially habitable exoplanets can go as low as 0.5, but on both scales earth-like planets must have ESI over 0.8.02/18/2013: Exoplanets HD 85512 b and Tau Ceti f no longer meet the new habitable zone criteria considered potentially habitable worlds. Nasa's Kepler candidate team was also halved. We also announced our SPHERE project, an effort to search for Earth-like exoplanets and exomoons using NASA's Kepler data. January 2013 August 2012July 201207/25/2012: We are working on a new content website on the website of Habitable Exoplanets Catalog.07/20/2012: Five Potentially Habitable Exoplanets Now. Gliese 581g was added to the main catalog.07/09/2012: New planets were added and updated in the main database. June 2012Mia 201205/22/2012: Three new cold jovians were added to the general catalogue.05/22/2012: Planets around HD 204313 and HU Aqr(AB) were added to the general catalogue.05/21/2012: Planets from KOI-152 are now considered unapproved. Confirmed number is back to 767 from 770.05/15/2012: The database was updated with one cold and one hot jovian HD 142 and HD 159868, 05/14/2012, respectively: The database was updated with two new hot neptunes and one hot joule exoplanets KOI-152.05/12/2012: The database was updated with two new hot jovians exoplanets KOI-872. April 2012 March 2012 February 201202/29/2012: NASA Kepler press release is available here. We had more time analyzing Kepler data and our press release is now focused on tomorrow March 1.02/28/2012: HEC was updated with feb 2012 nasa Kepler candidates. Stats here and full data here. A press release discussing the update and additional analyses will be published tonight. We are working on some visualizations.02/27/2012: New NASA Kepler planet candidates will be available here soon (ArXiv paper). now identifies stars from the Catalog Near Habitable Systems (HabCat).02/13/2012: New data for GJ 667Cc is now available in the data section. New indicators and a full database of confirmed exoplanets were also included.02/08/2012: Two Earth-sized planets orbiting kepler-20 (Nature Paper.02/07/2012: New list of unapproved exoplanets added, which includes two potential habitable operations: the famous Slyte 51 g, and Gliese 667C d, probably the second habitable planet Gliese 667ABC star system.02/06/2012: More than 200 previously unclassified exoplanets are now classified in the stats section. There are still 66 that we don't have enough stellar information to categorize them for their habitable zone. The total number of predicted potential residential exomoons increased from 27 to 30.02/04/2012: More visualizations of Gliese 667C c.02/02/2012: Potential for habitable Exoplanet in the nearby Triple Star system. (Carnegie Authority PR). We nicknamed Vulcan the new exoplanet Gliese 667C c. Vulcan was part of the triple star system of the Star Trek sci-fi universe. 2012 JanuaryDecember 201112/22/2011: New Section: Top 10 lists Exoplanets.12/20/2011: Kepler-20 e and f (KOI-070) two Earth-sized non-habitable planets: Nature and ApJ paper.12/05/2011: Habitable Exoplanets Catalog (HEC) is available now. Kepler-22 b (KOI-089) did not pass our initial habitability assessments to be included in the catalog as a potential habitable exoplanet. Further analysis is in progress. Here are some scholars' views on the habitability of kepler-22 b.b.

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