

Group	Column Index	Column Name	Data type	Mean/ Mode	Standard Deviation	Max	Description
Status	0	Controversial Flag	Boolean	0.004	0.067	1	Boolean indicating whether the confirmation status of a planet has been questioned in the published literature
Names	1	Planet Name	Identifier	11 Com b	-	-	Planet name most commonly used in the literature
	2	Host Name	Identifier	KOI-351	-	-	Stellar name most commonly used in the literature
	3	Planet Letter	Identifier	b	-	-	Letter assigned to the planetary component of a planetary system. The first planet discovered in a system is given the designation "b" (the parent star is considered to be "a") and later planets are given subsequent letters
System Composition	4	Number of Stars	Numerical	1.103	0.343	4	Number of stars in the planetary system
	5	Number of Planets	Numerical	1.78	1.161	8	Number of confirmed planets in the planetary system
	6	Circumbinary Flag	Boolean	0.007	0.086	1	Boolean indicating whether the planet orbits a binary system
Planet Discovery	7	Discovery Method	Categorical	Transit	-	-	Method by which the planet was first identified
	8	Discovery Year	Numerical	2016.198	4.528	2024	Year the planet was discovered
	9	Discovery Locale	Categorical	Space	-	-	Location of observation of planet discovery (Ground or Space)
Detections	10	Detections by Radial Velocity Variations	Boolean	0.369	0.482	1	Boolean indicating if the planet host star exhibits radial velocity variations due to the planet
	11	Detected by Transits	Boolean	0.753	0.431	1	Boolean indicating if the planet transits its host star
	12	Detected by Imaging	Boolean	0.011	0.102	1	Boolean indicating if the planet has been observed via imaging techniques
Planet Parameters	13	Orbital Period (years)	Numerical	2.329	68.045	4900.858	Time the planet takes to make a complete orbit around the host star or system, in Earth years
	14	Orbit Semi-Major Axis (au)	Numerical	2.723	32.559	1100	The longest radius of an elliptic orbit, equivalent to half of the major axis of the ellipse
	15	Planet Radius (Earth Radius)	Numerical	5.678	5.314	77.342	Length of a line segment from the center of the planet to its surface, measured in units of radius of the Earth
	16	Planet Mass (Earth Mass)	Numerical	429.691	2365.144	89700	Best planet mass estimate available, measured in Earth masses
	17	Planet Density (g/cm**3)	Numerical	3.652	5.269	93.7	Amount of mass per unit of volume of the planet
	18	Eccentricity	Numerical	0.076	0.15	0.95	Amount by which the orbit of the planet deviates from a perfect circle
	19	Equilibrium Temperature (K)	Numerical	909.631	458.226	4050	The equilibrium temperature of the planet as modeled by a black body heated only by its host star
	20	Inclination (deg)	Numerical	86.893	10.507	176.092	Angle of the plane of the orbit relative to the plane perpendicular to the line-of-sight from Earth to the object
	21	Transit Depth (%)	Numerical	0.288	1.076	56.65	The size of the relative flux decrement caused by the orbiting body transiting in front of the star
	22	Transit Duration (hrs)	Numerical	3.862	2.617	53.6	The length of time from the moment the planet begins to cross the stellar limb to the moment the planet finishes crossing the stellar limb
	23	Ratio of Semi-Major Axis to Stellar Radius	Numerical	0.039	0.119	7.28	The distance between the planet and the star at mid-transit divided by the stellar radius
	24	Radial Velocity Amplitude (m/s)	Numerical	86.739	160.161	1970	Half the peak-to-peak amplitude of variability in the stellar radial velocity (component of velocity in the line-of-sight from Earth to the object)
Stellar Data	25	Spectral Type	Categorical	G0 V	-	-	Classification of the star based on their spectral characteristics following the Morgan-Keenan system
	26	Stellar Effective Temperature (K)	Numerical	5391.811	1447.826	57000	Temperature of the star as modeled by a black body emitting the same total amount of electromagnetic radiation
	27	Stellar Radius (Solar Radius)	Numerical	1.517	3.912	109.46	Length of a line segment from the center of the star to its surface, measured in units of radius of the Sun
	28	Stellar Mass (Solar mass)	Numerical	0.952	0.422	10.94	Amount of matter contained in the star, measured in units of masses of the Sun
	29	Stellar Metallicity (Solar Metallicity)	Numerical	1.119	0.456	3.631	Measurement of the metal content of the photosphere of the star as compared to the hydrogen content, relative to the Sun's photosphere content ratio
	30	Stellar Luminosity (log10 (Solar))	Numerical	-0.117	0.751	3.8	Amount of energy emitted by a star per unit time, measured in units of solar luminosities
	31	Stellar Surface Gravity (log10(m/s^2))	Numerical	2.375	0.432	5.92	Gravitational acceleration experienced at the stellar surface
	32	Stellar Age (Gyr)	Numerical	4.377	3.08	14.9	The age of the host star, measured in billions of years
	33	Stellar Density (g/cm**3)	Numerical	3.094	6.12	79.807	Amount of mass per unit of volume of the star
	34	Stellar Rotational Period (days)	Numerical	36.719	56.841	746	The time required for the planet host star to complete one rotation, assuming it is a solid body
	35	Systemic Radial Velocity (km/s)	Numerical	-1.378	32.361	244.99	Velocity of the star in the direction of the line of sight from Earth to the object
System Data	36	Total Proper Motion (mas/yr)	Numerical	105.624	356.552	8644.905	Angular change in position over time as seen from the center of mass of the Solar System, measured in units of milliarcseconds/year
	37	Distance (ly)	Numerical	2275.267	3616.649	27723.26	Distance to the planetary system in units of lightyears
	38	RA	Numerical	236.821	90.218	359.975	Right Ascension of the planetary system in decimal degrees
	39	Dec	Numerical	19.605	35.827	85.737	Declination of the planetary system in decimal degrees
Photometry (of the system as a whole)	40	U	Numerical	16.301	1.656	23.306	Brightness of the host star as measured using the Sloan Digital Sky Survey (SDSS) u band, in units of magnitudes
	41	B	Numerical	13.418	3.123	21.084	Brightness of the host star as measured using the B (Johnson) band, in units of magnitudes
	42	G	Numerical	14.752	1.538	19.624	Brightness of the host star as measured using the Sloan Digital Sky Survey (SDSS) g band, in units of magnitudes
	43	V	Numerical	12.634	3.099	44.61	Brightness of the host star as measured using the V (Johnson) band, in units of magnitudes
	44	R	Numerical	14.038	1.474	17.996	Brightness of the host star as measured using the Sloan Digital Sky Survey (SDSS) r band, in units of magnitudes
	45	I	Numerical	13.864	1.412	17.911	Brightness of the host star as measured using the Sloan Digital Sky Survey (SDSS) i band, in units of magnitudes
	46	Z	Numerical	13.85	1.235	17.026	Brightness of the host star as measured using the Sloan Digital Sky Survey (SDSS) z band, in units of magnitudes
	47	J	Numerical	10.986	2.974	25.34	Brightness of the host star as measured using the J (2MASS) band, in units of magnitudes
	48	H	Numerical	10.615	3.021	32.34	Brightness of the host star as measured using the H (2MASS) band, in units of magnitudes
	49	K	Numerical	10.501	3.031	33.11	Brightness of the host star as measured using the K (2MASS) band in, units of magnitudes
	50	W1	Numerical	10.52	2.953	16.549	Brightness of the host star as measured using the 3.4um (WISE) band, in units of magnitudes.
	51	W2	Numerical	10.54	2.987	16.038	Brightness of the host star as measured using the 4.6um (WISE) band, in units of magnitudes.
	52	W3	Numerical	10.335	2.732	13.444	Brightness of the host star as measured using the 12.um (WISE) band, in units of magnitudes
	53	W4	Numerical	8.335	1.619	10.081	Brightness of the host star as measured using the 22.um (WISE) band, in units of magnitudes