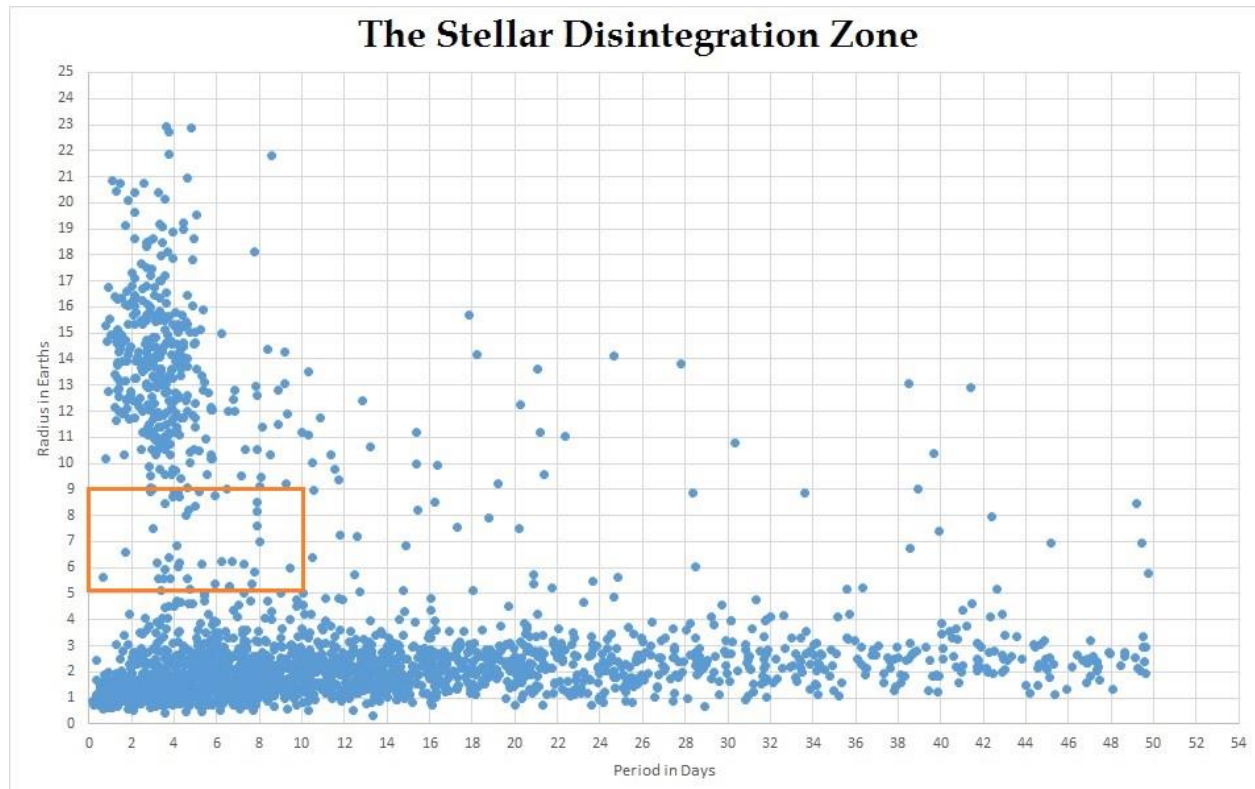


# The Stellar Disintegration Zone

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*Abstract: The stellar disintegration zone is the area that separates hot Jupiters from their more evolved and evolving counterparts. It shows that hot Jupiters lose their thick helium/hydrogen atmospheres faster if they orbit close to a much hotter host star, which is predicted by the General Theory of Stellar Metamorphosis. The SDZ on this graph is between 5-9 Earth Radii, with a period shorter than 10 days. As well, the SDZ's can be different for different stars, this graph is only a generalization. Data is taken from various telescopes including the Kepler, and 2,504 evolving/dead stars are on the graph. The periods of the dead/evolving stars on the graph do not include the ones beyond 50 days, and objects beyond a radius of 23 Earths. Data for the points on the graph is included, as well as the objects' names.*



What this graph shows us in the orange box is that there really is a gap in stellar evolution. This is due to atmospheric escape as a hot Jupiter (already very evolved star) does not have a large enough gravitational field to hold on to its helium and hydrogen. We should expect this gap to become more pronounced as the data comes in from the Transiting Exoplanet Survey Satellite (TESS). It is suggested for astronomers to realize that not all stars pass through this gap, the only purpose of this paper is to show quite clearly that Hot Jupiters in fact do lose

their mass due to physical changes (changing orbits/adoption per the adoption principle of stellar metamorphosis) that were not predicted by Big Bang or the Nebular Hypothesis. It also shows that the rate at which a star evolves is probably sped up significantly the closer to the SDZ it gets. So Jupiters and other older stars that have lots of helium/hydrogen can evolve on slower timescales the further they are from the SDZ. What is most likely true is that since orbits are really tight for the Hot Jupiters, they have a higher possibility of becoming small moons, as the amount of material that differentiates and forms the core is reduced significantly. What this means is that if we observe a small, differentiated moon, then it at one point passed through the SDZ of another star. As well, the SDZ's of younger hotter stars are not all the same, some are bigger than others, as this graph is a generalization. The SDZ of a blue giant would be huge, and of a red dwarf it would be really small and close in.

Puffed out Jupiters or really diffuse gas giants probably escaped another SDZ at one point, given they have moved out of that zone. So what this means is that they could both still have moons, or even adopted them while they were in a SDZ. More work will need to be done, but for sure, SDZ's do exist and they speed up a star's evolution, and change the host's atmosphere considerably, as predicted by stellar metamorphosis and outlined in the atmospheric thinning principle.

Name	Period (days)	Radius (RE)
K2-137b	0.179715	0.86663
Kepler-70b	0.240104	0.74596
Kepler-70c	0.342887	0.84469
Kepler-78b	0.355	1.15185
K2-157b	0.365257	1.03118
K2-131b	0.36931	1.66744
K2-22b	0.381078	2.44631
Kepler-42c	0.45328509	0.71305
Kepler-990c	0.53835431	1.49192
Kepler-1566b	0.53991524	0.7679
Kepler-828b	0.56785714	1.48095
Kepler-1317b	0.56887443	1.52483
Kepler-1107b	0.57103852	1.3164
K2-106b	0.571292	1.49192
EPIC 220674823 b	0.571308	1.4261
Kepler-1228b	0.57736958	1.50289
Kepler-1203b	0.58800076	1.04215
Kepler-808b	0.63133235	1.4261
Kepler-1356b	0.63400294	1.49192
Kepler-1415b	0.63642408	1.26155
Kepler-607b	0.6381632	0.85566
Kepler-1520b	0.65355357	5.64955
Kepler-1259b	0.66308526	1.40416
Kepler-1284b	0.66407381	1.18476
Kepler-1340b	0.66502692	1.51386
Kepler-407b	0.66931	1.04215
Kepler-1368b	0.67564949	1.61259
Kepler-780b	0.67737516	0.86663
Kepler-1310b	0.67933627	1.40416

Kepler-1604b	0.68368426	1.38222
K2-85b	0.684533	0.9873
Kepler-1446b	0.68996783	0.80081
Kepler-1547b	0.69297968	0.8776
Kepler-1087b	0.69384285	0.59238
55 Cancri e	0.736539	1.8649
Kepler-1377b	0.74092842	1.22864
Kepler-32f	0.74296	0.80081
Kepler-1067b	0.76212926	0.77887
Kepler-1409b	0.76486493	1.02021
Kepler-1173b	0.7698536	0.86663
K2-187b	0.773981	1.34931
WASP-19b	0.78883899	15.27024
Kepler-1331b	0.78916165	1.03118
WASP-47e	0.789636	1.77714
Kepler-1139b	0.81316672	1.16282
WASP-43b	0.813475	10.2021
Kepler-10b	0.837491	1.44804
HATS-18b	0.8378434	14.66689
Kepler-1315b	0.84338011	1.34931
Kepler-1579b	0.84990789	0.82275
COROT-7b	0.85359159	1.54677
Kepler-1320b	0.86838653	1.66744
Kepler-1379b	0.88184115	1.27252
Kepler-732c	0.89304124	1.23961
Kepler-653c	0.90037648	0.7679
Kepler-1351b	0.91614077	0.63626
Kepler-929b	0.92103214	1.08603
WASP-103b	0.925542	16.76216
Kepler-845b	0.92785982	1.99654
Kepler-787b	0.9283105	1.25058
Kepler-1323b	0.92990668	1.49192
Kepler-1039b	0.93488424	1.4261
Kepler-1338b	0.93511806	0.89954
Kepler-922b	0.93846683	1.39319
Kepler-1523b	0.93875077	1.54677
WASP-18b	0.94145299	12.78005
HD 3167 b	0.959628	1.52483
Kepler-1322b	0.96286738	1.57968
Kepler-1264b	0.96852602	1.15185
Kepler-1427b	0.96897238	1.07506
KELT-16b	0.9689951	15.52255
Kepler-1559b	0.97191543	0.70208
Kepler-775b	0.97486893	1.16282
Kepler-1258b	0.98494017	0.84469
Kepler-80f	0.9867873	1.18476
Kepler-1589b	0.99166527	1.06409
Kepler-1167b	1.00393374	1.67841
Kepler-1561b	1.00520701	1.06409
WTS-2b	1.0187068	14.95211

Kepler-757b	1.02267882	1.32737
Kepler-255d	1.04562266	1.29446
Kepler-1037b	1.06378867	1.25058
Kepler-1205b	1.07839035	1.38222
WASP-12b	1.0914203	20.843
Kepler-1532b	1.09366356	1.3164
K2-89b	1.096026	0.60335
Kepler-1148b	1.10446351	1.65647
Kepler-1200b	1.11854972	1.04215
Kepler-1531b	1.13854338	1.08603
Kepler-994b	1.15116651	1.56871
Kepler-763b	1.19655156	1.19573
Kepler-619c	1.20846503	1.65647
K2-135b	1.208957	1.71132
OGLE-TR-56b	1.2119189	14.95211
HAT-P-23b	1.21288287	13.42728
Kepler-42b	1.2137672	0.7679
Kepler-1206b	1.21699766	1.60162
KELT-1b	1.217514	12.1767
Kepler-842b	1.21956827	1.56871
WASP-33b	1.2198669	16.42209
Kepler-756b	1.22486632	1.097
Kepler-1031b	1.22621732	0.85566
Kepler-1106b	1.25275217	1.61259
K2-31b	1.25785	11.6282
Kepler-656b	1.26025909	3.04966
Kepler-755b	1.26909037	1.72229
WASP-121b	1.2749255	20.45905
Kepler-658b	1.28707676	1.59065
Kepler-1355b	1.28958811	1.4261
Kepler-1373b	1.29123275	1.12991
K2-117b	1.291505	1.91975
TrES-3b	1.30618581	14.65592
Kepler-1372b	1.31155557	1.23961
Kepler-198d	1.31184443	1.49192
HAT-P-36b	1.327347	13.86608
Qatar-2b	1.33711647	13.75638
WASP-4b	1.33823251	14.5901
Kepler-908b	1.34059747	1.19573
Kepler-1339b	1.34155513	0.69111
HATS-24b	1.3484954	16.31239
HATS-2b	1.354133	12.81296
WASP-77Ab	1.3600309	13.2737
HATS-52b	1.36665436	15.16054
WASP-135b	1.4013794	14.261
Kepler-1019b	1.41122985	1.4261
K2-91b	1.419549	1.07506
Qatar-1b	1.4200242	12.53871
K2-36b	1.42266	1.29446
WASP-46b	1.43036763	12.87878

OGLE-TR-113b	1.4324752	11.99021
Kepler-1091b	1.43474156	1.4261
Kepler-1171b	1.44259224	2.50116
Kepler-1537b	1.4444538	1.15185
Kepler-1578b	1.45088691	1.02021
Kepler-770c	1.47532231	1.17379
KELT-9b	1.4811235	20.74427
TrES-5b	1.48224686	13.09818
Kepler-17b	1.4857108	14.3707
Kepler-1416b	1.49514952	0.86663
Kepler-304e	1.49914695	1.17379
COROT-1b	1.5089557	16.3453
TRAPPIST-1b	1.51087081	1.06409
COROT-14b	1.51214	11.9573
Kepler-1613b	1.5184299	2.04042
Kepler-1075b	1.52372816	1.39319
WASP-36b	1.53736596	14.55719
Kepler-1650b	1.53818001	0.939032
Kepler-1565b	1.53818844	1.16282
Kepler-98b	1.54168	1.95266
Kepler-1082b	1.5432066	1.097
Kepler-76b	1.5449298	14.9192
WASP-114b	1.5487743	14.68883
Kepler-166d	1.55400393	1.68938
Kepler-446b	1.565409	1.4261
Kepler-1072b	1.5690665	1.54677
WASP-64b	1.5732918	13.94287
Kepler-1367b	1.57409027	0.89954
Gliese 1214 b	1.58040456	2.78638
Kepler-9d	1.592851	1.60162
Kepler-686b	1.59474546	11.89148
Kepler-207b	1.611865	1.5358
Kepler-578b	1.6168837	1.95266
Kepler-256b	1.620493	1.55774
Kepler-685b	1.6255222	10.35568
WASP-5b	1.6284279	11.92439
Gliese 1132 b	1.62893	1.12991
Kepler-185b	1.6329	1.14088
Kepler-1399b	1.63865306	1.22864
Kepler-342e	1.64422461	0.86663
Kepler-1152b	1.64680191	0.85566
Kepler-322b	1.653888	0.9873
K2-100b	1.673916	3.42264
Kepler-323b	1.678327	1.40416
Kepler-1297b	1.68189002	0.95439
Kepler-617b	1.68269615	1.29446
Kepler-969c	1.6829346	0.96536
OGLE-TR-132b	1.689868	13.164
KELT-14b	1.7100566	19.12071
Kepler-412b	1.7208604	14.71077

K2-45b	1.7292684	6.57103
Kepler-148b	1.729366	1.76617
Kepler-157b	1.732342	1.29446
COROT-2b	1.7429935	16.08202
HATS-15b	1.74748753	12.12185
WASP-52b	1.7497798	13.9319
WASP-104b	1.7554137	12.47289
Kepler-1153b	1.75583533	1.68938
Kepler-13b	1.763588	16.58664
Kepler-1350c	1.76678906	1.68938
Kepler-312b	1.772419	1.26155
Kepler-1528b	1.79111021	1.4261
SWEEPS-11	1.796	12.3961
Kepler-286b	1.796302	1.21767
Qatar-4b	1.8053564	12.45095
WASP-76b	1.809886	20.0751
HATS-35b	1.8209993	16.06008
Kepler-536b	1.8270823	3.03869
WASP-3b	1.8468355	15.358
Kepler-1522b	1.84788917	1.68938
Kepler-41b	1.8555582	14.1513
Kepler-42d	1.865169	0.55947
Kepler-1352b	1.87788275	0.86663
Kepler-524c	1.88897906	0.94342
Kepler-374b	1.897806	1.00924
COROT-18b	1.9000693	14.3707
Kepler-554b	1.90220856	4.20151
Kepler-1027b	1.9078052	0.86663
HATS-9b	1.9153073	11.68305
Kepler-1222b	1.91694425	0.7679
Kepler-932b	1.9214374	1.33834
Kepler-821b	1.92279873	1.28349
Kepler-1066b	1.93155984	2.31467
Kepler-303b	1.937055	0.86663
Kepler-1016b	1.95452434	2.12818
WASP-50b	1.9550959	12.64841
HAT-P-53b	1.9616241	14.45846
Kepler-975b	1.97034246	1.44804
Kepler-785b	1.97376093	12.74714
K2-104b	1.97419	1.8649
Kepler-529b	1.98035766	1.82102
Kepler-1371c	2.00541269	0.62529
Kepler-190b	2.019999	1.52483
WASP-167b	2.0219596	17.3326
Kepler-142b	2.024152	1.95266
Kepler-336b	2.024823	0.99827
Kepler-1197b	2.03231845	1.22864
Kepler-1217b	2.03232507	1.95266
Kepler-1402b	2.03387914	0.74596
Kepler-718b	2.0523499	16.20269

WASP-142b	2.052868	16.7841
Kepler-1084b	2.05333679	1.08603
Kepler-843b	2.05387982	2.53407
Kepler-188b	2.061897	1.6455
WASP-97b	2.07276	12.3961
Kepler-238b	2.090876	1.68938
Kepler-194b	2.092281	1.48095
Kepler-1308b	2.10433812	0.50462
Kepler-586b	2.10472218	2.73153
HATS-34b	2.1061607	15.6871
Kepler-1349b	2.12823928	0.68014
Kepler-1282b	2.13194651	1.51386
WASP-74b	2.13775	17.1132
Kepler-280b	2.139542	1.41513
WASP-48b	2.14363544	15.31412
Kepler-854b	2.14463285	16.36724
MASCARA-1b	2.14878	16.455
HAT-P-32b	2.15000805	19.62533
WASP-2b	2.152226	11.74887
Kepler-65b	2.15491	1.39319
HATS-23b	2.1605156	20.4042
Kepler-1366b	2.16457097	1.40416
Kepler-1099b	2.16845259	2.76444
WASP-92b	2.1746742	16.02717
WASP-78b	2.17517632	18.649
WASP-133b	2.176423	13.2737
WASP-95b	2.184673	13.2737
HAT-P-7b	2.2047372	16.35627
Kepler-1601b	2.20921951	0.80081
Kepler-55d	2.211099	1.55774
Kepler-1342b	2.21571036	1.62356
WASP-72b	2.2167421	13.9319
K2-122b	2.219405	1.25058
Kepler-1321c	2.22649109	2.34758
WASP-140b	2.2359835	15.7968
Kepler-707b	2.23749275	1.30543
Kepler-316b	2.240508	1.04215
Kepler-674b	2.24338185	1.65647
WASP-14b	2.243752	14.05257
Kepler-326b	2.248329	1.49192
K2-28b	2.260455	2.27079
Kepler-1603b	2.27163926	1.26155
Kepler-1387b	2.27952666	0.91051
Kepler-1055b	2.29503623	1.2067
WASP-65b	2.3114243	12.19864
Kepler-1438b	2.31942009	0.92148
Kepler-675b	2.33743801	2.39146
WASP-24b	2.34121242	14.261
Kepler-847b	2.3432319	1.15185
Kepler-1141b	2.34451194	0.80081

Kepler-1146b	2.3522658	1.2067
K2-138b	2.35322	1.5358
Kepler-605c	2.35895152	0.84469
Kepler-1136b	2.36172433	1.60162
Kepler-910b	2.36436901	0.80081
Kepler-1065c	2.37030743	1.56871
Kepler-257b	2.382667	2.55601
Kepler-82d	2.382961	1.73326
K2-35b	2.39984	1.37125
Kepler-115b	2.403679	1.06409
Kepler-1053b	2.41435165	0.95439
Kepler-1525b	2.41660118	0.88857
Kepler-1443b	2.41811321	0.95439
TRAPPIST-1c	2.4218233	1.03118
Kepler-119b	2.422082	3.52137
WASP-44b	2.4238039	12.5058
Kepler-406b	2.42629	1.40416
Kepler-611b	2.4370333	1.61259
Kepler-1393b	2.44357812	0.77887
Kepler-210b	2.453234	2.87414
Kepler-45b	2.455239	10.5312
Kepler-1430b	2.46050993	1.15185
Kepler-314b	2.461069	0.81178
Kepler-213b	2.46236	1.59065
Kepler-408b	2.46502	0.80081
HAT-P-57b	2.465295	15.50061
Kepler-760c	2.46697439	1.44804
TrES-2b	2.47061317	13.67959
WASP-75b	2.484193	13.9319
OGLE2-TR-L9 b	2.4855335	17.6617
K2-130b	2.49412	1.22864
Kepler-840b	2.49577962	16.70731
WASP-119b	2.49979	15.358
Qatar-3b	2.5079204	12.02312
Kepler-94b	2.50806	3.43361
Kepler-301b	2.508553	1.3164
K2-19d	2.50856	1.11894
Kepler-1028b	2.51462432	1.30543
HATS-4b	2.516729	11.1894
WASP-1b	2.5199454	16.26851
Kepler-664b	2.52559332	2.59989
Kepler-912b	2.53475627	2.7425
Kepler-1311c	2.53573424	1.19573
K2-58c	2.53726	1.59065
Kepler-683b	2.53918318	1.93072
Kepler-1098b	2.54307286	1.27252
HATS-33b	2.5495551	13.4931
Kepler-327b	2.549575	1.08603
Kepler-1575b	2.55314213	1.28349
Kepler-228b	2.566546	1.49192



K2-61b	2.57302	2.42437
Kepler-49d	2.576549	1.56871
Kepler-872b	2.57885507	1.95266
Kepler-292b	2.580827	1.29446
Kepler-97b	2.58664	1.44804
Kepler-1530b	2.5904434	1.60162
HAT-P-65b	2.6054552	20.7333
Kepler-1250b	2.60754383	1.87587
Kepler-844b	2.61302086	1.6455
Kepler-1573b	2.6157554	1.17379
XO-2Nb	2.61585922	11.17843
Kepler-866b	2.61703254	1.59065
Kepler-621b	2.62811375	2.24885
Kepler-285b	2.633867	1.3164
Gliese 436 b	2.64388312	4.08084
NGTS-1b	2.647298	14.5901
WASP-85Ab	2.6556777	13.6028
Kepler-1257b	2.66831376	1.49192
Kepler-423b	2.6843285	13.07624
Kepler-1179b	2.68505749	1.29446
HATS-16b	2.686502	14.261
HAT-P-49b	2.691548	15.50061
HAT-P-41b	2.694047	18.48445
KELT-3b	2.7033904	14.75465
WASP-82b	2.705782	18.3199
Kepler-997b	2.70730672	1.32737
Kepler-234b	2.711506	3.6201
Kepler-1035b	2.71407755	1.14088
Kepler-1594b	2.71603809	1.04215
WASP-81b	2.7164762	15.67613
WASP-32b	2.718659	12.9446
COROT-21b	2.72	14.261
WASP-93b	2.7325321	17.51909
Kepler-369b	2.732756	1.10797
KELT-7b	2.7347749	16.81701
Kepler-179b	2.735926	1.60162
K2-83b	2.74697	1.21767
Kepler-585b	2.75235975	2.76444
HAT-P-52b	2.7535953	11.06873
Kepler-205b	2.75564	1.48095
WASP-26b	2.7566004	14.05257
Kepler-1061b	2.75798267	1.94169
Kepler-1288b	2.76122421	1.097
HATS-14b	2.7667641	11.39783
K2-49b	2.77065	1.88684
HAT-P-16b	2.77596	14.14033
WASP-49b	2.7817387	12.23155
Kepler-21b	2.78578	1.60162
Kepler-1150b	2.78786839	0.99827
Kepler-1398b	2.78815679	0.8776

HAT-P-5b	2.788491	13.8222
HAT-P-56b	2.7908327	16.08202
Kepler-221b	2.795906	1.67841
HAT-P-37b	2.797436	12.92266
WASP-91b	2.798581	11.2991
Kepler-895b	2.80624233	1.50289
HAT-P-30b	2.810595	14.6998
HATS-32b	2.8126548	13.70153
Kepler-670b	2.81650485	12.90072
HD 63454 b	2.818049	12.04506
Kepler-592b	2.82019241	2.33661
COROT-12b	2.828042	15.7968
Kepler-1193b	2.83265213	1.29446
WASP-57b	2.83891856	11.5185
K2-55b	2.849258	3.74077
WASP-100b	2.849375	18.5393
COROT-29b	2.85057	9.873
Kepler-1124b	2.85234897	1.25058
Kepler-755c	2.85313364	1.22864
KELT-18b	2.8717518	17.2229
HAT-P-20b	2.875317	9.51099
HD 149026 b	2.8758911	8.91861
Qatar-5b	2.8792319	12.14379
Kepler-1319b	2.88676265	1.3164
Kepler-1385b	2.88879862	0.83372
Kepler-1143b	2.88890485	1.63453
Kepler-1096b	2.89221751	1.21767
Kepler-1542c	2.89223021	0.63626
Kepler-32e	2.896	1.46998
HAT-P-3b	2.899736	9.07219
K2-90c	2.90032	0.99827
WASP-71b	2.9036747	16.0162
HAT-P-13b	2.91625	13.95384
Kepler-299b	2.927128	1.29446
Kepler-273b	2.936532	1.46998
Kepler-1245c	2.93658468	1.40416
Kepler-172b	2.940309	2.3037
Kepler-1363b	2.94194094	1.22864
WASP-23b	2.9444256	10.55314
Kepler-1597b	2.94654179	1.04215
Kepler-1120b	2.94902905	1.34931
WASP-98b	2.96264036	12.54968
Kepler-917b	2.97041437	1.8649
Kepler-272b	2.971353	1.40416
HAT-P-66b	2.972086	17.4423
WASP-123b	2.9776412	14.45846
Kepler-445b	2.984151	1.5358
KELT-4Ab	2.9895932	18.63803
COROT-11b	2.99433	15.6871
K2-34b	2.995607	14.8095

Kepler-1408b	2.99793191	0.86663
K2-60b	3.00265	7.49251
Kepler-493b	3.00387658	14.8095
Kepler-411b	3.00516	1.84296
Kepler-1078b	3.00725242	1.8649
Kepler-1357b	3.0091324	1.25058
Kepler-904b	3.02166863	1.73326
Kepler-43b	3.0240949	13.37243
Kepler-1271b	3.0255955	1.44804
TrES-1b	3.030065	11.70499
Kepler-1560b	3.03195744	0.86663
Kepler-650b	3.03214559	2.89608
Kepler-446c	3.036179	1.097
HAT-P-27b	3.039577	11.1894
Kepler-695b	3.04033042	9.01734
HATS-13b	3.0440499	13.29564
WASP-41b	3.052404	12.9446
HAT-P-4b	3.056536	13.97578
Kepler-1592b	3.05710069	1.50289
COROT-15b	3.06036	12.2864
WASP-80b	3.06785234	10.95903
K2-133b	3.0712	1.28349
Kepler-207c	3.071571	1.46998
Kepler-80d	3.07222	1.49192
HAT-P-8b	3.0763776	16.455
KELT-17b	3.0801716	16.72925
WASP-10b	3.0927616	11.8476
HD 219134 b	3.092926	1.56871
OGLE-TR-10b	3.101278	13.7125
Kepler-475b	3.10550819	2.43534
Kepler-141b	3.107675	0.68014
Kepler-1281b	3.11602791	1.60162
WASP-16b	3.1186009	11.05776
Kepler-488b	3.12082923	15.45673
HAT-P-50b	3.1220109	14.12936
WASP-45b	3.126096	10.88224
Kepler-960b	3.12686223	2.23788
HAT-P-45b	3.128992	15.64322
Kepler-224b	3.132924	1.36028
Kepler-181b	3.137873	1.23961
HATS-12b	3.142833	14.8095
Kepler-862b	3.14866453	2.16109
POTS-1b	3.1606296	10.32277
WASP-35b	3.161575	14.4804
Kepler-203b	3.162697	2.51213
Kepler-729b	3.16635371	3.49943
Kepler-708b	3.16789194	2.86317
Kepler-1138b	3.17060005	1.66744
Kepler-388b	3.173315	0.78984
Kepler-644b	3.1739171	3.08257

HATS-30b	3.1743516	12.88975
Kepler-121b	3.177422	2.29273
Kepler-743b	3.17926292	1.18476
Kepler-107b	3.179997	1.52483
HATS-28b	3.1810781	13.09818
HATS-7b	3.185315	6.17611
Kepler-1047c	3.18897601	0.96536
XO-3b	3.1915239	13.35049
HAT-P-22b	3.21222	11.8476
HAT-P-12b	3.2130598	10.52023
Kepler-4b	3.21346	3.91629
Kepler-426b	3.21751883	11.9573
Kepler-245e	3.21982106	1.71132
Kepler-822b	3.22296927	1.73326
Kepler-6b	3.2346996	14.30488
Kepler-1278b	3.23941344	0.9873
Kepler-485b	3.2432598	14.10742
KELT-8b	3.24406	20.4042
Kepler-389b	3.244107	1.48095
Kepler-44b	3.2467293	11.9573
Kepler-537b	3.24755522	1.38222
Kepler-169b	3.250619	1.10797
Kepler-140b	3.25427	1.57968
HAT-P-28b	3.257215	13.29564
K2-29b	3.2588321	13.0543
Kepler-490b	3.26869515	11.39783
Kepler-1049b	3.27346074	0.93245
Kepler-645b	3.27582262	2.05139
Kepler-1292b	3.27646405	1.77714
Kepler-366b	3.281959	1.4261
Kepler-374c	3.282807	1.07506
WASP-126b	3.2888	10.5312
Kepler-360b	3.289672	1.61259
Kepler-1032b	3.29011795	1.83199
Kepler-1624b	3.29030452	5.58373
Kepler-337b	3.292781	1.50289
Kepler-304b	3.295709	2.79735
Kepler-1375b	3.3004192	1.70035
HATS-26b	3.3023881	19.1975
Kepler-249b	3.306539	1.06409
WASP-53b	3.3098443	11.78178
WASP-141b	3.310651	13.2737
Kepler-424b	3.3118644	9.7633
HATS-10b	3.312846	10.62993
K2-107b	3.31392	15.7968
Kepler-724b	3.31494634	3.22518
HATS-6b	3.3252725	10.94806
KELT-15b	3.329441	15.82971
WASP-153b	3.332609	17.0035
HAT-P-43b	3.332687	14.05257

Kepler-247b	3.33616	1.60162
Gliese 3470 b	3.3366487	3.79562
Kepler-235b	3.340222	2.18303
Kepler-111b	3.341815	1.54677
HATS-51b	3.3488702	15.4677
Kepler-1343b	3.35183158	1.88684
WTS-1b	3.352057	16.3453
Kepler-267b	3.353728	1.94169
HAT-P-24b	3.35524	13.62474
WASP-89b	3.3564227	11.4088
WASP-6b	3.36100208	13.4931
WASP-124b	3.37265	13.6028
HATS-31b	3.37796	17.9908
Kepler-605b	3.38353807	1.40416
Kepler-1571b	3.38555488	1.49192
Kepler-256c	3.38802	2.10624
Kepler-1346b	3.40165668	1.54677
WASP-31b	3.4059096	16.99253
WASP-28b	3.40883	13.30661
Kepler-124b	3.410493	0.71305
Kepler-495b	3.41303622	5.12299
WASP-96b	3.4252602	13.164
Kepler-150b	3.428054	1.22864
Kepler-1563b	3.43276598	0.73499
Kepler-1371b	3.4462039	0.71305
HATS-1b	3.446459	14.28294
Kepler-286c	3.468095	1.33834
K2-43b	3.47114	4.03696
KELT-20b	3.4741085	19.09877
HAT-P-33b	3.474474	18.49542
Kepler-746b	3.48159251	1.08603
K2-25b	3.484552	3.35682
Kepler-101b	3.4876812	5.5947
Kepler-1558b	3.50470358	0.66917
Kepler-18b	3.504725	1.95266
Kepler-1414b	3.51576315	1.2067
Kepler-901b	3.51749439	1.33834
Kepler-8b	3.5224991	15.53352
HD 209458 b	3.52474859	14.4804
Kepler-428b	3.52563254	11.8476
Kepler-1131b	3.53232449	1.55774
WASP-22b	3.53273064	13.15303
K2-52b	3.53482	10.8603
HAT-P-39b	3.54387	17.23387
Kepler-26d	3.543919	1.04215
Kepler-1468c	3.54553021	1.12991
Kepler-291b	3.546511	2.11721
HATS-3b	3.547851	15.14957
Kepler-5b	3.5484657	15.64322
Kepler-323c	3.553822	1.59065

TrES-4b	3.55392771	20.16286
Kepler-1003b	3.55485691	1.74423
K2-138c	3.55987	2.46825
Kepler-507b	3.56809693	1.27252
Kepler-497b	3.57320367	5.91283
COROT-27b	3.57532	11.04679
Kepler-1361b	3.57554956	0.84469
WASP-37b	3.577469	12.7252
Kepler-77b	3.57878087	10.5312
Kepler-1585b	3.5827463	1.7552
HATS-8b	3.583893	9.57681
Kepler-740b	3.58410122	4.47576
HAT-P-55b	3.5852467	12.96654
WASP-101b	3.585722	15.4677
K2-127b	3.588165	8.47981
Kepler-618b	3.59576964	2.54504
Kepler-444b	3.6001053	0.39492
Kepler-1254c	3.60084276	1.27252
Kepler-736b	3.60147201	2.86317
Kepler-1065b	3.60930891	3.65301
WASP-120b	3.6112706	16.15881
Kepler-363b	3.614568	1.12991
Kepler-1412b	3.6146051	0.81178
HATS-11b	3.6191613	16.5647
Kepler-218b	3.619337	1.44804
COROT-23b	3.6313	11.5185
WASP-138b	3.634433	11.9573
Kepler-1471b	3.63899398	1.38222
HAT-P-35b	3.646706	14.61204
K2-135c	3.64802	1.32737
HAT-P-25b	3.652836	13.0543
Kepler-1275b	3.65691115	1.44804
WASP-79b	3.6623866	22.9273
OGLE-TR-211b	3.67724	14.9192
Kepler-680b	3.68992629	2.36952
Kepler-968b	3.69298373	1.95266
WASP-54b	3.6936411	18.13341
Kepler-20b	3.69611525	1.83199
Kepler-294b	3.701212	1.73326
Kepler-598b	3.70175428	1.46998
Kepler-1244b	3.70428172	1.3164
Kepler-557b	3.70598955	2.61086
Kepler-466c	3.70921385	1.22864
Kepler-697b	3.70987065	4.03696
WASP-70Ab	3.7130203	12.76908
Kepler-292c	3.715335	1.43707
Kepler-612b	3.72215641	2.77541
WASP-11b	3.7224747	11.02485
Kepler-673b	3.72873109	6.39551
Kepler-1149b	3.73089898	1.40416

WASP-17b	3.735438	21.84127
Kepler-1557b	3.74032496	1.49192
Kepler-89b	3.743208	1.67841
Kepler-889b	3.744439	1.06409
Kepler-773b	3.74910006	1.40416
Kepler-564b	3.75083228	4.53061
WASP-15b	3.7520656	15.66516
Kepler-778b	3.75574426	1.6455
Kepler-704b	3.76182115	2.55601
Kepler-190c	3.763024	1.4261
Kepler-1059b	3.76419105	1.68938
WASP-25b	3.764825	13.3834
XO-6b	3.7650007	22.7079
COROT-17b	3.7681	11.1894
Kepler-762b	3.7705521	12.40707
Kepler-996b	3.77059058	1.94169
Kepler-825b	3.77360059	1.49192
Kepler-253b	3.783986	1.59065
Kepler-1395b	3.78470649	0.77887
Kepler-1189b	3.78858982	1.73326
Kepler-425b	3.79701816	10.72866
HAT-P-54b	3.799847	10.35568
Kepler-1295b	3.81371974	1.51386
HATS-50b	3.8297015	12.3961
Kepler-1313b	3.83309118	1.72229
WASP-156b	3.836169	5.5947
HAT-P-6b	3.852985	14.5901
HATS-53b	3.8537768	14.6998
Kepler-731b	3.85560355	13.58086
WASP-61b	3.8559	13.6028
Kepler-1081b	3.85691855	0.9873
WASP-69b	3.8681382	11.59529
Kepler-1629b	3.87595807	0.75693
Kepler-186b	3.8867907	1.04215
Kepler-217d	3.88689525	1.29446
Kepler-688b	3.89593684	9.55487
COROT-19b	3.89713	14.1513
Kepler-71b	3.90512	12.1767
Kepler-1526b	3.908632	2.38049
Lupus-TR-3b	3.91405	9.7633
WASP-90b	3.916243	17.8811
Kepler-1612b	3.91795101	1.00924
WASP-29b	3.922727	8.68824
HAT-P-9b	3.92289	15.358
Kepler-380b	3.930821	1.16282
Kepler-928b	3.9324613	1.55774
Kepler-154e	3.93276465	1.46998
Kepler-222b	3.936981	3.09354
Kepler-1394b	3.93766373	1.36028
Kepler-226b	3.940997	1.51386

XO-1b	3.94150685	13.2737
Kepler-1614b	3.9466141	1.45901
Kepler-861b	3.94963138	2.22691
WASP-94Ab	3.9501907	18.8684
Kepler-1542b	3.95116882	0.74596
WASP-157b	3.9516205	11.68305
Kepler-1145b	3.97076766	1.37125
Kepler-1164b	3.97599768	1.097
OGLE-TR-182b	3.9791	12.3961
Kepler-882b	3.98953967	1.2067
Kepler-817b	3.99010623	8.84182
HAT-P-19b	4.008778	12.41804
OGLE-TR-111b	4.0144463	11.17843
K2-38b	4.01593	1.51386
Kepler-1073c	4.02582254	1.60162
Kepler-402b	4.028751	1.19573
Kepler-553b	4.03046804	4.53061
COROT-13b	4.03519	9.70845
COROT-5b	4.0378962	15.22636
WASP-118b	4.0460435	15.7968
TRAPPIST-1d	4.04961	0.75693
WASP-39b	4.055259	13.9319
Kepler-202b	4.069427	1.59065
Kepler-398b	4.081423	0.91051
Kepler-723b	4.08227507	11.93536
WASP-66b	4.086052	15.2483
WASP-73b	4.08722	12.7252
Kepler-750c	4.08899022	1.59065
Kepler-722b	4.09357325	2.57795
Kepler-1631b	4.09513932	1.3164
K2-30b	4.098503	11.39783
KELT-2Ab	4.1137912	14.10742
Kepler-1324b	4.11584468	1.48095
HAT-P-21b	4.124481	11.23328
XO-4b	4.1250828	14.5901
Kepler-119c	4.125103	0.89954
Kepler-669b	4.12554687	4.72807
Kepler-228c	4.134444	2.64377
Kepler-1433b	4.13592271	1.52483
Kepler-1398c	4.13827595	1.00924
Kepler-211b	4.138575	1.22864
Kepler-1626b	4.13962966	1.9746
Kepler-240b	4.144495	1.33834
Kepler-546b	4.14702026	6.84528
Kepler-1238b	4.14787559	1.88684
Kepler-250b	4.148141	1.10797
Kepler-770d	4.15244722	1.37125
Kepler-220b	4.159807	0.78984
Kepler-1235b	4.16055856	0.7679
WASP-47b	4.16071	12.6155



Kepler-125b	4.164389	2.31467
Kepler-625c	4.1653651	1.03118
KELT-10b	4.1662739	15.34703
Kepler-171b	4.166972	2.29273
Kepler-823b	4.16809082	1.5358
Kepler-415b	4.176	1.18476
Kepler-472b	4.17625551	3.14839
WASP-127b	4.178062	15.0289
Kepler-148c	4.180043	3.52137
Kepler-652b	4.18200253	2.43534
XO-5b	4.1877558	12.5058
Kepler-696b	4.19042557	6.01156
Kepler-974b	4.19449651	1.5358
SWEEPS-04	4.2	8.8857
COROT-26b	4.20474	13.8222
HAT-P-51b	4.2180278	14.18421
Kepler-588b	4.22162536	2.57795
Kepler-84d	4.224537	1.34931
Kepler-491b	4.22538451	8.73212
Kepler-208b	4.22864	1.59065
WASP-174b	4.2337	14.261
HAT-P-26b	4.234516	6.19805
Kepler-793b	4.24153639	1.33834
Kepler-1553b	4.24261881	1.12991
Kepler-565b	4.24374723	3.56525
Kepler-24d	4.244384	1.63453
COROT-3b	4.2568	11.0797
Kepler-173b	4.263742	1.26155
Kepler-1095b	4.27103091	1.18476
Kepler-671b	4.28095859	2.6328
Kepler-502b	4.28686431	4.67322
Kepler-783b	4.29264638	0.7679
HATS-25b	4.2986432	13.8222
HAT-P-44b	4.301219	13.62474
Kepler-570b	4.301662	2.40243
Kepler-181c	4.302149	1.95266
WASP-60b	4.3050011	9.4342
Kepler-1054b	4.30655689	2.57795
Kepler-160b	4.309427	1.50289
Kepler-244b	4.311792	2.69862
WASP-34b	4.3176782	13.3834
WASP-21b	4.322482	11.7379
Kepler-1002b	4.33642933	1.67841
Kepler-322c	4.337234	1.63453
Kepler-1123b	4.33946454	1.63453
Kepler-1598b	4.34195123	0.93245
Kepler-710b	4.34728553	1.84296
WASP-13b	4.353011	15.23733
Kepler-1245b	4.35409304	1.40416
Kepler-1623b	4.36128348	1.28349

Kepler-319b	4.362705	1.59065
Kepler-1216b	4.37034536	1.36028
WASP-63b	4.37809	15.6871
Kepler-324b	4.385315	1.11894
Kepler-167b	4.3931632	1.57968
Kepler-717b	4.40840023	2.36952
Kepler-914b	4.40966548	1.34931
WASP-62b	4.411953	15.2483
Kepler-642b	4.41745855	2.84123
Kepler-1029b	4.41769648	1.22864
Kepler-1105b	4.42157218	1.96363
Kepler-168b	4.425391	1.4261
Kepler-232b	4.431222	3.01675
Kepler-12b	4.4379629	19.24138
K2-37b	4.44117	1.57968
Kepler-881b	4.44448017	1.74423
Kepler-1435b	4.45343281	0.84469
Kepler-548b	4.45419434	11.7379
HAT-P-40b	4.457243	18.9781
Kepler-1157b	4.45743164	1.06409
HAT-P-46b	4.463129	14.08548
HAT-P-1b	4.46529976	14.46943
WASP-55b	4.4656291	14.64495
Kepler-981b	4.46975774	2.25982
Kepler-1429b	4.48487493	1.26155
Kepler-1646b	4.48558383	1.2067
Kepler-826b	4.48758907	1.22864
Kepler-1350b	4.4968604	2.46825
Kepler-666b	4.49876092	2.34758
Kepler-1108b	4.51005748	1.4261
Kepler-824b	4.51436633	1.83199
Kepler-1328b	4.52158888	0.95439
WASP-151b	4.533471	12.3961
WASP-113b	4.54216875	15.45673
Kepler-325b	4.544439	2.8522
Kepler-444c	4.5458841	0.48268
Kepler-1263b	4.55139967	1.11894
Kepler-1595b	4.56380468	1.2067
Kepler-370b	4.57953	1.55774
Kepler-326c	4.580358	1.37125
Kepler-703b	4.58352176	8.03004
Kepler-219b	4.585512	2.88511
Kepler-915b	4.59489604	1.46998
Kepler-810b	4.59725385	1.88684
Kepler-246b	4.60182	2.29273
Kepler-99b	4.60358	1.44804
K2-39b	4.60497	5.58373
HATS-29b	4.6058749	13.72347
KELT-19Ab	4.6117093	20.9527
K2-88b	4.6122	1.2067

Kepler-356b	4.612696	1.5358
WASP-67b	4.61442	15.358
WASP-56b	4.617101	11.97924
Kepler-55e	4.617534	1.51386
Kepler-406c	4.62332	0.83372
HAT-P-14b	4.627669	12.6155
HATS-27b	4.637038	16.455
HAT-P-38b	4.640382	9.05025
HAT-P-42b	4.641878	14.0416
Kepler-80e	4.64489	1.56871
Kepler-306b	4.646186	1.49192
K2-116b	4.655411	0.68014
Kepler-318b	4.662715	4.6074
Kepler-1290b	4.69500134	1.39319
Kepler-414b	4.7	1.67841
Kepler-720b	4.70832654	8.2275
Kepler-237b	4.715106	1.38222
HATS-22b	4.7228124	10.45441
Kepler-93b	4.72673978	1.44804
K2-108b	4.73401	5.16687
KELT-11b	4.736529	15.0289
Kepler-113b	4.754	1.77714
Kepler-758c	4.75793986	1.65647
Kepler-142c	4.761702	2.79735
HATS-5b	4.763387	10.00464
Kepler-1215b	4.76703963	1.19573
Kepler-1344b	4.7683049	1.79908
Kepler-1365c	4.77468005	0.77887
Kepler-48b	4.778	1.84296
Kepler-1117b	4.79028459	1.08603
Kepler-251b	4.790936	1.30543
Kepler-571b	4.79859939	2.58892
Kepler-280c	4.807091	1.96363
HAT-P-67b	4.8101025	22.87245
Kepler-213c	4.822962	2.29273
Kepler-1582b	4.83817712	1.45901
Kepler-918b	4.85386933	1.70035
COROT-25b	4.86069	11.8476
Kepler-1240b	4.8663815	1.12991
K2-133c	4.8682	1.44804
Kepler-445c	4.871229	2.4134
Kepler-935b	4.88083852	1.3164
Kepler-7b	4.8854892	17.79334
HAT-P-11b	4.8878162	4.62934
Kepler-1181b	4.89337519	1.5358
Kepler-776b	4.89718784	1.25058
WASP-20b	4.8996284	16.03814
Kepler-107c	4.901425	1.76617
Kepler-535b	4.90332155	2.31467
Kepler-321b	4.915379	1.73326

Kepler-480b	4.9195838	2.72056
Kepler-376b	4.920199	1.04215
Kepler-161b	4.921355	2.07333
Kepler-187b	4.938864	1.38222
Kepler-15b	4.942782	10.5312
WASP-88b	4.954	18.649
WASP-7b	4.954658	14.5901
WASP-83b	4.971252	11.4088
Kepler-156b	4.973456	2.24885
Kepler-339b	4.977656	1.39319
WASP-42b	4.9816819	12.30834
Kepler-663b	4.99678284	2.54504
HAT-P-31b	5.005425	11.7379
Kepler-719b	5.00731778	8.3372
Kepler-471b	5.01423457	14.64495
WASP-58b	5.01718	15.0289
Kepler-374d	5.028219	1.28349
KELT-12b	5.031623	19.5266
Kepler-868b	5.03251791	2.00751
Kepler-164b	5.03503	1.38222
Kepler-1104b	5.03728015	1.2067
K2-8c	5.06416	2.35855
K2-66b	5.06965	2.43534
Kepler-541b	5.08005848	3.291
Kepler-905b	5.08274652	1.38222
WASP-68b	5.084298	13.6028
Kepler-1542e	5.10115756	0.74596
Kepler-860b	5.10137945	3.17033
Kepler-1518b	5.11177904	2.98384
COROT-24b	5.1134	3.6201
Kepler-1127b	5.12330347	1.91975
Kepler-1089b	5.13248562	1.78811
Kepler-876b	5.14438011	1.40416
Kepler-446d	5.148921	1.3164
Kepler-727b	5.15448442	2.47922
Kepler-634b	5.16950177	1.85393
Kepler-83d	5.169796	1.89781
Kepler-1611b	5.1762429	0.78984
Kepler-1007b	5.18500207	1.40416
Kepler-1154b	5.1856142	2.29273
K2-121b	5.185754	8.92958
Kepler-114b	5.188549	1.22864
Kepler-1239b	5.19104016	2.84123
Kepler-1403b	5.19492202	2.09527
Kepler-341b	5.195528	1.15185
COROT-28b	5.20851	10.47635
Kepler-520c	5.21104261	1.04215
Kepler-327c	5.212333	1.00924
WASP-136b	5.215357	15.1386
Kepler-271b	5.217738	0.86663

Kepler-956b	5.24867263	2.93996
Kepler-271d	5.24972541	0.64723
Kepler-382b	5.262155	1.29446
Kepler-552b	5.26341577	3.86144
Kepler-102b	5.28696	0.46074
Kepler-1004b	5.28789787	6.1432
Kepler-1376b	5.30880656	1.03118
Kepler-304c	5.315946	2.12818
Kepler-134b	5.317429	1.95266
WASP-131b	5.322023	13.3834
Kepler-1530c	5.3227406	1.61259
Kepler-269b	5.326718	2.4134
Kepler-1464c	5.32786292	0.97633
Kepler-433b	5.33408384	15.9065
Kepler-1529b	5.33905686	2.05139
K2-36c	5.34059	2.7425
Kepler-392b	5.341853	0.97633
Kepler-1643b	5.34264507	2.24885
Kepler-226c	5.349555	2.22691
Kepler-1213b	5.34982412	1.16282
Kepler-561c	5.35016198	2.62183
K2-111b	5.35117	1.8649
COROT-16b	5.35227	12.8349
Kepler-203c	5.370647	2.4134
Kepler-217b	5.374943	2.18303
Kepler-601b	5.37886844	1.8649
Kepler-721b	5.39202539	2.58892
Kepler-68b	5.39875	2.28176
Kepler-619b	5.4042722	3.09354
K2-138d	5.40478	2.59989
Kepler-105b	5.4122	4.70613
Kepler-301c	5.419026	1.3164
Kepler-1314b	5.42474928	5.00232
K2-33b	5.424865	4.9365
Kepler-176b	5.433074	1.40416
K2-117c	5.44482	1.98557
Kepler-1312b	5.44832529	2.05139
HAT-P-34b	5.452654	13.13109
Kepler-1130b	5.45298175	0.77887
Kepler-526b	5.45849832	1.95266
Kepler-334b	5.470319	1.097
Kepler-354b	5.47666	1.79908
Kepler-305b	5.487	3.52137
Kepler-1572b	5.49548621	0.92148
HAT-P-18b	5.508023	10.91515
Kepler-1012b	5.50860439	1.26155
Kepler-317b	5.524242	2.04042
Kepler-373b	5.535309	1.32737
Kepler-1388c	5.53608151	2.21594
Kepler-1517b	5.54608367	9.55487

Kepler-1293b	5.57654784	0.95439
K2-72b	5.57739	0.73499
Kepler-197b	5.599308	0.99827
Kepler-1191b	5.60014851	1.48095
K2-80c	5.605	1.43707
K2-35c	5.60912	2.04042
Kepler-831b	5.62153941	1.23961
Kepler-381b	5.629021	0.96536
Kepler-499b	5.63252845	2.12818
HAT-P-2b	5.6334729	12.69229
Kepler-501b	5.64067757	4.21248
Kepler-514b	5.65179605	1.67841
Kepler-998b	5.65377733	2.27079
K2-44b	5.65688	2.66571
Kepler-474b	5.66067294	2.99481
Kepler-33b	5.66793	1.70035
K2-128b	5.675819	1.39319
Kepler-183b	5.687945	2.01848
Kepler-221c	5.690586	2.86317
Kepler-884b	5.69919514	1.2067
Kepler-291c	5.700786	1.84296
Kepler-968c	5.70940492	1.65647
Kepler-255b	5.714606	1.51386
Kepler-62b	5.714932	1.28349
Kepler-243b	5.715442	2.40243
Kepler-1534b	5.71668872	1.85393
WASP-107b	5.72149	10.3118
HAT-P-29b	5.723186	12.14379
Kepler-1254d	5.72717226	1.28349
Kepler-777b	5.72812599	1.43707
Kepler-57b	5.7293196	2.13915
K2-5b	5.73594	1.8649
Kepler-728b	5.74347727	3.26906
Kepler-753b	5.74772501	1.8649
WASP-129b	5.748145	10.2021
WASP-99b	5.75251	12.067
Kepler-1011b	5.75322197	2.80832
Kepler-122b	5.766193	2.29273
Kepler-125c	5.774464	0.72402
Kepler-1336c	5.77721211	1.67841
Kepler-1569b	5.79180156	1.6455
Kepler-353b	5.795278	0.86663
K2-113b	5.817608	10.2021
COROT-33b	5.819143	12.067
Kepler-254b	5.826662	3.78465
Kepler-864b	5.83376092	2.34758
Kepler-523b	5.83598311	1.91975
Kepler-256d	5.839172	2.42437
Kepler-296c	5.8416366	1.95266
Kepler-590b	5.85296257	3.93823

Kepler-65c	5.859944	2.5231
Kepler-1431b	5.86601526	1.43707
Kepler-207d	5.868075	3.23615
Kepler-898b	5.8706191	1.45901
Kepler-144b	5.885273	1.30543
Kepler-32b	5.90124	2.15012
Kepler-82e	5.902206	2.4134
Kepler-957b	5.90741354	5.38627
Kepler-28b	5.9123	3.52137
Kepler-286d	5.914323	1.30543
Kepler-309b	5.923653	1.52483
WASP-139b	5.924262	8.776
Kepler-224c	5.925003	3.04966
Kepler-349b	5.929778	1.8649
Kepler-155b	5.931194	2.04042
Kepler-1481b	5.94220998	1.2067
Kepler-191d	5.94504102	2.22691
Kepler-1074b	5.94566534	1.22864
Kepler-81b	5.955	2.36952
Kepler-314c	5.960392	2.84123
Kepler-116b	5.968734	3.34585
Kepler-999b	5.99185702	2.29273
Kepler-1542d	5.99273738	0.85566
Kepler-188c	5.996553	3.12645
Kepler-135b	6.00253	1.76617
Kepler-547b	6.01038429	3.91629
Kepler-661b	6.02930132	3.00578
Kepler-101c	6.02976	1.22864
Kepler-1270b	6.03356196	3.24712
Kepler-211c	6.04045	1.26155
Kepler-272c	6.057342	1.7552
Kepler-638b	6.07972888	1.78811
Kepler-288b	6.097326	1.63453
Kepler-20e	6.09852281	0.84469
TRAPPIST-1e	6.099615	0.89954
Kepler-766b	6.10027804	3.31294
K2-81b	6.10224	1.77714
Kepler-734b	6.10485286	3.48846
Kepler-1618b	6.10826019	1.22864
Kepler-1637b	6.10960324	0.86663
Kepler-1169b	6.11009134	0.92148
Kepler-1163b	6.11786898	1.00924
Kepler-402c	6.124821	1.52483
Kepler-814b	6.1469851	2.07333
Kepler-1076b	6.14727918	0.77887
Kepler-238c	6.155557	2.33661
Kepler-106b	6.16486	0.80081
Kepler-132b	6.178196	1.18476
Kepler-1071b	6.1799844	2.32564
Kepler-285c	6.186676	1.097

Kepler-444d	6.189392	0.51559
Kepler-169c	6.195469	1.18476
K2-135d	6.20141	2.05139
COROT-8b	6.21229	6.2529
Kepler-603d	6.2171292	1.29446
Kepler-1070b	6.2216147	1.68938
Kepler-25b	6.2385	2.65474
Kepler-886b	6.24146367	1.49192
Kepler-91b	6.24658	14.99599
Kepler-229b	6.252972	2.15012
Kepler-1335b	6.26406846	1.41513
Kepler-1581b	6.28385491	0.77887
Kepler-1577b	6.30560247	1.10797
Kepler-248b	6.308205	2.95093
Kepler-120b	6.312501	2.10624
Kepler-416b	6.319	2.42437
Kepler-893b	6.33855761	2.9619
Kepler-694b	6.36584161	2.7425
Kepler-172c	6.388996	2.79735
Kepler-179c	6.40013	1.95266
Kepler-796b	6.40087618	1.27252
Kepler-608b	6.41251504	3.56525
K2-124b	6.413539	2.58892
Kepler-132c	6.414914	1.25058
K2-84b	6.4215	2.35855
Kepler-1100b	6.42200058	1.71132
K2-37c	6.42904	2.68765
Kepler-192d	6.47027579	0.99827
Kepler-357b	6.475434	1.79908
Kepler-1390b	6.48021673	1.15185
Kepler-109b	6.48163	2.31467
Kepler-730b	6.49168426	9.01734
Kepler-1265b	6.49441289	1.3164
Kepler-1005b	6.49801525	1.46998
Kepler-583b	6.5100253	2.22691
Kepler-346b	6.511127	2.59989
Kepler-609b	6.52121067	3.28003
K2-64b	6.53044	2.02945
Kepler-920b	6.53192704	2.36952
Kepler-335b	6.562331	3.31294
K2-140b	6.56918	11.99021
Kepler-677b	6.57531678	5.2656
Kepler-257c	6.581484	5.29851
Kepler-266b	6.61833	2.42437
Kepler-294c	6.6264	2.65474
Kepler-1642c	6.6513802	2.59989
Kepler-252b	6.668391	1.2067
K2-62b	6.67202	2.09527
K2-42b	6.68796	2.10624
Kepler-1420b	6.69960006	1.25058



CoRoT 223977153 b	6.71837	6.2529
Kepler-390b	6.738088	0.80081
Kepler-225b	6.738975	1.17379
Kepler-1386b	6.73972381	1.21767
Kepler-1616b	6.76284377	0.99827
HD 219134 c	6.76458	1.48095
Kepler-46d	6.766589	1.60162
Kepler-326d	6.766888	1.18476
Kepler-684b	6.77030201	3.291
K2-27b	6.771315	4.388
Kepler-1044b	6.77408868	2.61086
Kepler-14b	6.790123	12.46192
Kepler-387b	6.791636	1.00924
Kepler-431b	6.803	0.74596
Kepler-316c	6.827766	1.12991
Kepler-398d	6.83437001	0.86663
Kepler-265b	6.846262	1.82102
Kepler-372b	6.849692	1.32737
WASP-38b	6.871815	12.00118
Kepler-40b	6.87349	12.8349
Kepler-267c	6.87745	2.0843
Kepler-829b	6.88337562	2.06236
Kepler-506b	6.8834055	2.67668
Kepler-299c	6.885875	2.58892
Kepler-100b	6.88705	1.29446
Kepler-1174b	6.89225223	1.55774
Kepler-848b	6.91134416	1.66744
Kepler-1421b	6.9131112	0.91051
Kepler-162b	6.919798	1.22864
Kepler-1048b	6.92101021	1.57968
Kepler-923b	6.93366476	1.34931
Kepler-319c	6.941357	2.57795
Kepler-1574b	6.9424334	1.26155
Kepler-1543b	6.96710269	2.65474
Kepler-1274b	6.98152703	1.39319
Kepler-1576b	6.98471973	1.02021
K2-71b	6.98541	2.10624
Kepler-339c	6.988055	1.12991
Kepler-900b	6.9913086	2.04042
Kepler-610b	6.99692655	4.10278
Kepler-90b	7.008151	1.28349
Kepler-141c	7.010606	1.38222
Kepler-1225b	7.01075434	1.77714
Kepler-157d	7.02573474	1.4261
Kepler-403b	7.031462	1.22864
Kepler-741b	7.03902374	2.90705
Kepler-972b	7.03932553	4.55255
Kepler-80b	7.05246	2.61086
K2-58b	7.05254	2.62183
Kepler-395b	7.054346	1.00924

Kepler-292d	7.055679	2.18303
Kepler-348b	7.05677	1.49192
Kepler-303c	7.061149	1.11894
Kepler-1358b	7.06317341	1.097
Kepler-161c	7.06424	2.00751
K2-69b	7.06599	2.27079
Kepler-102c	7.07142	0.57044
Kepler-779b	7.09714223	0.89954
Kepler-23b	7.1073	1.8649
Kepler-249c	7.113702	1.48095
Kepler-105c	7.1262	1.28349
Kepler-1298b	7.12811928	1.28349
Kepler-60b	7.1334	1.67841
WASP-132b	7.133521	9.5439
Kepler-832b	7.1396941	2.01848
Kepler-250c	7.156804	2.22691
Kepler-853b	7.16892463	1.65647
Kepler-414c	7.171	2.95093
Kepler-360c	7.186434	2.05139
Kepler-850b	7.19303878	1.74423
Kepler-1627b	7.20283653	3.60913
Kepler-49b	7.2037945	2.66571
Kepler-234c	7.21205	3.43361
Kepler-1017b	7.23400469	1.95266
Kepler-629b	7.2385854	1.34931
Kepler-306c	7.240193	2.3037
Kepler-464b	7.25696522	3.22518
Kepler-503b	7.25844721	6.13223
Kepler-1516b	7.25931979	1.71132
Kepler-186c	7.267302	1.22864
Kepler-678b	7.27503724	5.03523
Kepler-1487b	7.31946363	2.0843
Kepler-764b	7.33683936	1.60162
Kepler-74b	7.340711	10.5312
Kepler-150c	7.381998	3.60913
Kepler-223b	7.38449	2.92899
K2-126b	7.387073	1.79908
Kepler-167c	7.406114	1.51386
Kepler-748b	7.40742793	2.46825
Kepler-271c	7.410935	0.97633
Kepler-713b	7.411141	2.42437
Kepler-345b	7.415563	0.72402
Kepler-329b	7.416397	1.37125
Kepler-391b	7.416755	3.12645
Kepler-769b	7.42608998	2.86317
Kepler-1220b	7.42693741	1.49192
Kepler-1370c	7.44142113	1.23961
Kepler-208c	7.466623	1.36028
Kepler-1248b	7.46725407	1.15185
Kepler-245b	7.49019	2.51213

K2-73b	7.49543	2.40243
Kepler-450d	7.51464	0.82275
Kepler-118b	7.518496	1.91975
Kepler-363c	7.542427	1.65647
Kepler-1033b	7.56052806	2.45728
Kepler-1303b	7.56127224	1.39319
Kepler-1640b	7.5844126	4.7171
Kepler-1590b	7.61760804	1.11894
K2-16b	7.6188	1.9746
Kepler-332b	7.626324	1.14088
Kepler-380c	7.630004	1.23961
Kepler-887c	7.63846023	1.10797
Kepler-18c	7.64159	5.3753
Kepler-166b	7.650254	2.22691
Kepler-574b	7.65880414	2.33661
Kepler-1198b	7.6847716	1.43707
Kepler-216b	7.693641	2.3037
Kepler-1365b	7.69993485	0.89954
Kepler-880b	7.71468975	2.59989
K2-119b	7.728578	2.23788
Kepler-444e	7.743493	0.53753
Kepler-690b	7.74809437	5.82507
Kepler-625b	7.75192492	1.95266
K2-72d	7.7599	0.71305
Kepler-948b	7.76846622	1.81005
Kepler-206b	7.781987	1.17379
Kepler-447b	7.79430132	18.1005
Kepler-163b	7.810937	1.03118
Kepler-50b	7.81254	1.67841
K2-75b	7.8142	2.61086
Kepler-235c	7.824904	1.25058
Kepler-411c	7.83442788	3.20324
KELT-6b	7.8455821	12.9446
Kepler-1588b	7.84931739	0.74596
WASP-105b	7.87288	10.5312
Kepler-52b	7.8773565	2.05139
Kepler-855b	7.8866311	8.17265
Kepler-422b	7.8914483	12.6155
K2-19b	7.9194	7.58027
WASP-59b	7.919585	8.50175
Kepler-170b	7.930592	3.12645
Kepler-240c	7.953528	2.15012
Kepler-107d	7.958203	1.04215
Kepler-989b	7.96431535	2.16109
Kepler-1160b	7.97034958	2.09527
Kepler-210c	7.972513	3.54331
Kepler-524b	7.97419807	1.8649
K2-136b	7.975292	0.968651
Kepler-1289b	7.99019627	1.49192
Kepler-394b	8.005013	1.56871

Kepler-173c	8.005777	2.38049
Kepler-341c	8.01041	1.66744
Kepler-54b	8.0109434	2.05139
Kepler-273c	8.014927	1.94169
Kepler-494b	8.02511821	6.98789
Kepler-856b	8.02768059	9.1051
Kepler-931b	8.03755877	1.30543
Kepler-114c	8.041	1.56871
Kepler-897b	8.0472642	2.33661
Kepler-1434b	8.05333618	1.08603
K2-68b	8.05428	1.54677
Kepler-1210b	8.07124073	1.66744
Kepler-1439b	8.07392849	1.4261
Kepler-979b	8.0880135	2.66571
Kepler-806b	8.09219642	1.11894
Kepler-714b	8.09888799	9.46711
Kepler-237c	8.103636	2.04042
Kepler-1555b	8.10501635	1.57968
Kepler-226d	8.109044	1.19573
Kepler-691b	8.114379	2.04042
Kepler-259b	8.115317	2.7425
Kepler-269c	8.127899	1.65647
Kepler-133b	8.129976	1.72229
Kepler-65d	8.13123	1.49192
Kepler-24b	8.1453	2.34758
Kepler-445d	8.15275	1.2067
WASP-8b	8.158715	11.38686
Kepler-165b	8.180848	2.27079
Kepler-825c	8.1818246	1.79908
Kepler-1591b	8.18504949	1.23961
Kepler-260b	8.187399	1.96363
Kepler-758e	8.1934719	1.49192
K2-77b	8.199796	2.24885
Kepler-242b	8.20395	2.55601
Kepler-580b	8.22241966	2.51213
K2-129b	8.239493	1.018016
Kepler-1468b	8.23984869	1.68938
Kepler-330b	8.25978	1.3164
K2-138e	8.26144	3.22518
K2-105b	8.266902	4.04793
K2-12b	8.28212	2.28176
Kepler-305c	8.291	3.22518
Kepler-236b	8.295611	1.5358
Kepler-85b	8.306	1.93072
Kepler-195b	8.307872	1.98557
Kepler-496b	8.30864937	2.27079
Kepler-461b	8.31378306	2.5231
Kepler-1119b	8.3265153	1.87587
Kepler-169d	8.348125	1.22864
Kepler-668b	8.35390639	2.64377

Kepler-742b	8.36086824	3.17033
K2-14b	8.36802	4.70613
Kepler-320b	8.371554	1.11894
Kepler-1296b	8.3839865	0.88857
Kepler-788b	8.39846269	2.49019
K2-97b	8.4061	14.3707
Kepler-1541b	8.40691199	1.12991
Kepler-112b	8.408878	2.31467
Kepler-353c	8.410894	1.34931
Kepler-137b	8.436387	1.43707
Kepler-130b	8.457458	0.99827
Kepler-331b	8.457496	1.77714
Kepler-1154c	8.45808312	2.31467
Kepler-233b	8.472382	2.38049
Kepler-361b	8.486616	1.41513
Kepler-1195b	8.49642241	2.04042
Kepler-633b	8.50340718	1.59065
Kepler-851b	8.50699658	1.6455
Kepler-500b	8.5083244	2.5231
Kepler-518b	8.51203588	2.06236
WASP-84b	8.5234865	10.33374
Kepler-815b	8.57503552	4.02599
Kepler-217c	8.586004	1.81005
Kepler-200b	8.594805	2.0843
Kepler-550b	8.60010411	4.32218
Kepler-435b	8.6001536	21.8303
Kepler-1291b	8.63043276	1.62356
Kepler-789b	8.63847725	2.07333
Kepler-1073b	8.67888593	2.24885
Kepler-1262b	8.67900242	1.77714
Kepler-1649b	8.68909	1.057508
Kepler-949b	8.6893073	2.8522
Kepler-1610b	8.70181574	1.57968
Kepler-431c	8.703	0.6582
Kepler-760b	8.70419416	2.99481
Kepler-90c	8.719375	1.16282
Kepler-84b	8.726	2.18303
Kepler-771b	8.73485836	1.77714
Kepler-1497b	8.74199772	1.62356
Kepler-32c	8.7522	1.95266
K2-50b	8.7529	1.55774
Kepler-317c	8.77501	1.67841
K2-86b	8.77683	1.91975
Kepler-1111b	8.79617863	1.95266
Kepler-1556b	8.82713457	1.91975
Kepler-1302b	8.83922659	1.40416
Kepler-75b	8.8849116	11.5185
COROT-6b	8.886593	12.79102
Kepler-60c	8.9187	1.8649
Kepler-402d	8.921099	1.34931

Kepler-113c	8.92507	2.12818
Kepler-343b	8.96855	2.35855
Kepler-463b	8.98101683	2.98384
Kepler-28c	8.9858	3.32391
Kepler-115c	8.990889	2.54504
K2-32b	8.99213	5.02426
K2-57b	9.0063	2.05139
Kepler-400b	9.024389	1.61259
Kepler-220c	9.034199	1.5358
Kepler-1400b	9.06689421	1.59065
Kepler-623b	9.07097734	2.95093
Kepler-1301b	9.08237046	1.37125
WASP-47d	9.095	3.63107
Kepler-953c	9.10967112	1.16282
Kepler-927b	9.1149903	1.67841
HIP 116454 b	9.1205	2.47922
K2-132b	9.1751	14.261
Kepler-311b	9.176092	1.66744
Kepler-393b	9.182417	1.26155
COROT-4b	9.20205	13.0543
TRAPPIST-1f	9.20669	1.02021
Kepler-282b	9.220524	0.9873
COROT-20b	9.24285	9.2148
Kepler-660b	9.27358194	2.51213
Kepler-19b	9.2869944	2.16109
WASP-106b	9.289715	11.90245
Kepler-1062b	9.30412078	1.72229
K2-21b	9.32414	1.55774
Kepler-1583b	9.32807355	0.59238
Kepler-1329b	9.33646594	2.12818
Kepler-338e	9.341	1.52483
Kepler-215b	9.360672	1.59065
Kepler-50c	9.37647	2.12818
Kepler-575b	9.37891944	2.33661
Kepler-345c	9.387427	1.17379
Kepler-1587b	9.4060467	1.30543
Kepler-750b	9.42887179	3.00578
Kepler-63b	9.4341505	5.97865
Kepler-247c	9.439452	4.00405
Kepler-732b	9.46781405	2.12818
Kepler-1165b	9.478522	1.51386
Kepler-227b	9.488015	3.03869
Kepler-641b	9.48961571	1.81005
HD 97658 b	9.4909	2.29273
Kepler-1483b	9.5085156	1.49192
Kepler-80c	9.52355	2.67668
Kepler-504b	9.54927542	1.55774
HD 106315 b	9.55804	2.27079
K2-120b	9.562742	1.96363
Kepler-178b	9.576694	2.84123

Kepler-971b	9.59070716	2.0843
Kepler-336c	9.600001	2.05139
Kepler-68c	9.60504	0.97633
Kepler-498b	9.61375356	2.9619
Kepler-804c	9.65185017	1.11894
Kepler-304d	9.653471	2.68765
Kepler-579b	9.66857723	1.95266
Kepler-48c	9.67395	2.65474
Kepler-1110b	9.69312032	2.59989
Kepler-337c	9.693201	2.00751
Kepler-308b	9.694928	2.07333
Kepler-1436b	9.705716	1.28349
K2-87b	9.72739	4.4977
Kepler-444f	9.740486	0.72402
Kepler-53d	9.751962	2.07333
COROT-22b	9.75598	4.77195
Kepler-244c	9.767292	2.00751
Kepler-958b	9.7678805	2.01848
Kepler-83b	9.77	2.76444
K2-54b	9.7843	1.12991
Kepler-894b	9.803224	2.72056
Kepler-182b	9.825792	2.5231
Kepler-223c	9.84564	3.36779
Kepler-1639b	9.878482	2.5231
Kepler-1651b	9.87863917	1.79908
K2-102b	9.915615	1.27252
Kepler-990b	9.91723428	2.54504
Kepler-154f	9.91935684	1.46998
Kepler-192b	9.926746	2.67668
Kepler-745b	9.93143556	2.11721
Kepler-191b	9.939632	1.3164
Kepler-465b	9.94067247	2.88511
Kepler-255c	9.946047	2.92899
Kepler-1230b	9.95661537	2.65474
Kepler-963b	9.97683705	2.59989
Kepler-1170b	9.98969327	2.35855
Kepler-1254b	9.99113313	1.51386
Kepler-616b	9.99761851	2.38049
K2-83c	9.99767	1.44804
K2-4b	10.00329	2.31467
Kepler-715b	10.00652995	3.67495
WASP-117b	10.02165	11.20037
Kepler-818b	10.03538581	5.00232
Kepler-221d	10.04156	2.67668
Kepler-385b	10.043686	2.67668
Kepler-484b	10.04556931	2.22691
K2-3b	10.05449	2.12818
Kepler-352b	10.05537	0.84469
Kepler-481b	10.06082567	2.44631
Kepler-231b	10.065275	1.68938

Kepler-222c	10.08881	4.54158
Kepler-144c	10.104665	1.3164
Kepler-134c	10.105785	1.22864
Kepler-1330b	10.10769068	1.61259
Kepler-812b	10.11716531	3.47749
Kepler-761b	10.12804789	1.98557
Kepler-1042b	10.13202575	2.13915
K2-95b	10.13389	3.4007
K2-98b	10.13675	4.21248
Kepler-159b	10.139623	2.32564
Kepler-55f	10.198545	1.55774
Kepler-639b	10.21420496	2.32564
Kepler-58b	10.2184954	2.72056
Kepler-200c	10.222157	1.55774
Kepler-253c	10.281951	2.58892
Kepler-427b	10.290994	13.4931
Kepler-913b	10.29672521	2.01848
Kepler-275b	10.300682	2.29273
Kepler-11b	10.3039	1.76617
Kepler-1380b	10.3108245	1.40416
Kepler-102d	10.3117	1.15185
Kepler-138b	10.3126	0.51559
Kepler-362b	10.327186	0.86663
Kepler-29b	10.3384	3.28003
HAT-P-17b	10.338523	11.0797
Kepler-197c	10.349695	1.2067
Kepler-903b	10.3507721	1.96363
K2-8b	10.35239	3.49943
Kepler-701b	10.35533177	2.77541
Kepler-615b	10.35584657	1.70035
Kepler-1476b	10.35863224	1.63453
Kepler-716b	10.37168453	2.84123
Kepler-261b	10.381227	2.12818
Kepler-189b	10.399931	1.18476
Kepler-1231b	10.41725184	1.39319
Kepler-307b	10.4208	2.38049
Kepler-392c	10.423118	1.07506
Kepler-89c	10.423648	4.22345
Kepler-300b	10.446347	1.63453
Kepler-1190b	10.45843441	1.30543
Kepler-298b	10.475464	1.91975
Kepler-126b	10.495711	1.49192
Kepler-56b	10.5016	6.37357
Kepler-816b	10.50682565	10.02658
Kepler-702b	10.52629406	8.97346
Kepler-339d	10.558345	1.14088
K2-38c	10.56103	2.36952
Kepler-936b	10.56134221	1.41513
Kepler-454b	10.57375339	2.31467
Kepler-1445b	10.60052251	0.94342



Kepler-405b	10.613839	2.04042
Kepler-1147b	10.62784997	2.55601
Kepler-187c	10.640263	2.61086
Kepler-1374b	10.65276707	2.23788
Kepler-365b	10.664903	1.99654
Kepler-1428b	10.67607169	1.60162
Kepler-256e	10.681572	2.3037
Kepler-184b	10.687576	2.31467
Kepler-1161b	10.71252541	2.0843
Kepler-23c	10.7421	3.12645
Kepler-1622b	10.8118737	1.43707
Kepler-252c	10.848463	2.10624
Kepler-20c	10.85409089	2.98384
HAT-P-15b	10.863502	11.75984
Kepler-296b	10.864384	1.57968
Kepler-49c	10.9129343	2.49019
Kepler-1437b	10.9295461	1.33834
K2-5c	10.93241	2.21594
Kepler-272d	10.937304	2.20497
Kepler-587b	10.94027841	2.18303
Kepler-164c	10.945723	2.67668
Kepler-88b	10.95416	3.69689
Kepler-1022b	10.99469878	2.31467
K2-79b	10.99573	3.60913
Kepler-283b	11.008151	2.0843
Kepler-1211b	11.01816836	2.49019
K2-133d	11.0234	1.9746
Kepler-568b	11.02347475	2.21594
Kepler-355b	11.03189	1.4261
Kepler-919b	11.04603384	2.20497
Kepler-1208b	11.08507637	2.27079
Kepler-774b	11.0895723	3.10451
Kepler-228d	11.094286	3.9492
Kepler-477b	11.11990653	2.02945
Kepler-1321b	11.12830484	4.81583
Kepler-794b	11.13125132	2.06236
Kepler-208d	11.131786	1.17379
Kepler-1311b	11.1726994	1.21767
Kepler-1182b	11.17394617	2.35855
Kepler-1602b	11.17931605	1.3164
Kepler-246c	11.187161	1.46998
Kepler-350b	11.189562	1.81005
Kepler-1401b	11.20066445	1.6455
Kepler-402e	11.242861	1.4261
Kepler-1286b	11.25402929	2.10624
K2-59c	11.2954	2.24885
Kepler-830b	11.29695137	1.66744
Kepler-792b	11.30119217	1.91975
Kepler-1246b	11.32271513	1.32737
Kepler-203d	11.32972	1.40416

Kepler-224d	11.349393	2.24885
Kepler-1009b	11.35011917	2.12818
Kepler-836b	11.36112327	2.67668
Kepler-232c	11.379349	3.75174
Kepler-193b	11.38848	2.33661
Kepler-768b	11.3910025	1.7552
K2-114b	11.39109	10.33374
Kepler-835b	11.41909375	2.73153
Kepler-801b	11.41928253	1.95266
Kepler-398c	11.419412	0.9873
Kepler-104b	11.427548	3.03869
Kepler-135c	11.448708	1.12991
Kepler-171c	11.463462	2.50116
Kepler-270b	11.476094	1.96363
Kepler-1287b	11.47685909	1.50289
Kepler-735b	11.51516988	2.88511
Kepler-95b	11.5231	3.34585
WASP-130b	11.55098	9.7633
Kepler-980b	11.55102504	2.61086
Kepler-1477b	11.55530021	1.15185
Kepler-1133b	11.55562343	1.93072
Kepler-136b	11.5789	2.00751
Kepler-676b	11.59822172	2.97287
Kepler-57c	11.6092567	1.51386
Kepler-1406b	11.62905828	1.07506
Kepler-274b	11.634788	1.50289
Kepler-183c	11.637071	2.22691
Kepler-492b	11.72012266	9.39032
Kepler-556b	11.72292176	2.194
COROT-24c	11.759	4.8268
Kepler-239b	11.763051	2.28176
Kepler-114d	11.776	2.47922
Kepler-946b	11.79162572	1.88684
K2-15b	11.8104	2.42437
HD 89345 b	11.8143	7.2402
Kepler-318c	11.815007	3.59816
Kepler-404b	11.829851	1.23961
Kepler-387c	11.837549	0.86663
Kepler-59b	11.8681707	1.07506
Kepler-1332b	11.87456832	1.33834
Kepler-1156b	11.89520511	1.29446
Kepler-60d	11.8981	1.95266
Kepler-175b	11.903515	2.50116
K2-19c	11.90715	4.76098
Kepler-431d	11.922	1.097
Kepler-363d	11.932125	2.00751
Kepler-1234b	11.94014029	2.75347
Kepler-1378b	11.95398936	2.15012
Kepler-292e	11.97901	2.61086
Kepler-1221b	12.00096042	1.84296

Kepler-81c	12.04	2.31467
Kepler-962b	12.05707239	1.93072
Kepler-744b	12.06222443	1.59065
Kepler-54c	12.0717249	1.2067
Kepler-758b	12.1097104	2.42437
Kepler-1034b	12.12400943	2.21594
Kepler-375b	12.125934	1.41513
Kepler-394c	12.130686	1.62356
Kepler-382c	12.162701	1.55774
K2-53b	12.2054	2.44631
Kepler-1642b	12.2057513	3.12645
Kepler-349c	12.247629	1.91975
Kepler-1482b	12.25383217	0.9873
Kepler-1448b	12.27065865	1.57968
Kepler-26b	12.28	2.72056
Kepler-1388b	12.2854603	2.53407
Kepler-279b	12.309681	3.54331
Kepler-386b	12.31043	1.36028
Kepler-417b	12.331	2.25982
Kepler-24c	12.3335	2.7425
TRAPPIST-1g	12.35294	1.10797
Kepler-551b	12.3764661	2.67668
Kepler-679b	12.39358604	2.95093
Kepler-254c	12.412183	2.10624
Kepler-1256b	12.4127754	1.45901
Kepler-1008b	12.43931193	1.25058
Kepler-62c	12.4417	0.52656
Kepler-122c	12.465988	5.74828
Kepler-479b	12.49341307	2.07333
Kepler-377b	12.509529	1.36028
Kepler-85c	12.513	2.12818
Kepler-366c	12.51616	1.7552
Kepler-739b	12.53248465	3.24712
Kepler-333b	12.551158	1.29446
Kepler-150d	12.56093	2.73153
Kepler-1276b	12.5720095	1.16282
Kepler-449b	12.58242	2.00751
Kepler-147b	12.610584	1.49192
Kepler-682b	12.61190667	7.21826
Kepler-295b	12.645164	1.19573
K2-65b	12.6475	1.54677
Kepler-110b	12.691112	1.78811
Kepler-284b	12.699149	2.194
Kepler-241b	12.718092	2.28176
Kepler-25c	12.7204	5.09008
K2-138f	12.75759	2.75347
Kepler-334c	12.758005	1.40416
Kepler-176c	12.759712	2.54504
Kepler-325c	12.762172	2.49019
Kepler-120c	12.794585	1.49192

Kepler-347b	12.79836	1.93072
Kepler-100c	12.8159	2.15012
Kepler-529c	12.8345022	1.95266
Kepler-434b	12.8747099	12.3961
Kepler-84c	12.883	2.31467
Kepler-383b	12.904532	1.29446
Kepler-620b	12.91375431	3.24712
Kepler-532b	12.92491623	2.51213
Kepler-1212b	12.94130146	2.09527
Kepler-1283b	12.9460978	1.8649
Kepler-883b	12.98495573	1.74423
Kepler-772b	12.99207337	1.77714
Kepler-597b	13.02365861	2.31467
Kepler-11c	13.0241	2.80832
Kepler-1267b	13.0313945	2.95093
Kepler-390c	13.060022	0.7679
Kepler-262b	13.060855	1.32737
Kepler-116c	13.07163	2.24885
Kepler-307c	13.0729	2.15012
Kepler-321c	13.093921	2.27079
Kepler-356c	13.121632	1.76617
Kepler-206c	13.137471	1.73326
Kepler-542b	13.14497566	1.5358
Kepler-1121b	13.15141081	1.8649
Kepler-33c	13.17562	3.12645
Kepler-1413b	13.1829642	1.77714
Kepler-168c	13.193242	2.6328
Kepler-258b	13.19722	3.97114
Kepler-781b	13.2140732	2.83026
Kepler-478b	13.2217576	2.65474
Kepler-967b	13.22713379	2.3037
Kepler-1449b	13.2274528	1.6455
Kepler-238d	13.233549	3.00578
COROT-10b	13.2406	10.6409
Kepler-1079b	13.24503188	1.59065
Kepler-545b	13.24934059	2.6328
Kepler-527b	13.28535633	2.77541
Kepler-29c	13.2884	3.0716
Kepler-388c	13.297004	0.84469
Kepler-1364b	13.32196237	2.10624
Kepler-1224b	13.32351601	1.30543
Kepler-834b	13.32388301	1.9746
EPIC 220674823 c	13.341245	2.47922
Kepler-186d	13.342996	1.37125
Kepler-37b	13.3675	0.31813
Kepler-381c	13.391635	1.097
Kepler-1584b	13.3997099	1.57968
Kepler-1021b	13.47469571	2.28176
Kepler-79b	13.4845	3.4007
Kepler-964b	13.5225106	2.07333

Kepler-1158b	13.5396293	2.29273
Kepler-157c	13.5405	2.194
Kepler-1305b	13.5630972	1.84296
Kepler-106c	13.5708	2.44631
Kepler-403d	13.61159129	1.39319
Kepler-1242b	13.62798432	2.21594
Kepler-282c	13.638723	1.17379
Kepler-594b	13.64618192	2.12818
Kepler-1607b	13.6473676	0.89954
Kepler-1207b	13.68237119	1.59065
Kepler-160c	13.699087	3.53234
Kepler-1247b	13.71220213	2.28176
Kepler-798b	13.71933369	2.33661
Kepler-69b	13.722341	2.194
Kepler-654b	13.72465129	2.02945
Kepler-338b	13.726976	2.39146
K2-90b	13.7311	1.99654
Kepler-790b	13.73469807	2.12818
Kepler-92b	13.749	3.43361
Kepler-301d	13.751243	1.71132
Kepler-892b	13.7521072	2.75347
Kepler-169e	13.767102	2.15012
Kepler-138c	13.7813	1.17379
Kepler-180b	13.817124	1.46998
Kepler-124c	13.821375	1.71132
Kepler-36b	13.83989	1.45901
K2-110b	13.86375	2.536264
Kepler-543b	13.89961966	2.44631
Kepler-1383b	13.9093583	1.38222
Kepler-310b	13.930698	1.16282
Kepler-909b	13.93290318	1.43707
Kepler-327d	13.969457	1.68938
K2-70b	13.97896	2.83026
Kepler-174b	13.98179	1.91975
Kepler-476b	14.00640607	3.01675
Kepler-1347b	14.00947528	1.00924
Kepler-1506b	14.0329154	1.29446
Kepler-614b	14.03491514	2.33661
Kepler-1063b	14.07971466	1.45901
Kepler-1057b	14.08827448	3.291
K2-37d	14.09189	2.67668
Kepler-276b	14.12841	2.80832
Kepler-800b	14.13176026	2.78638
Kepler-865b	14.16399294	2.43534
Kepler-376c	14.172327	1.7552
Kepler-933b	14.20443009	2.40243
Kepler-1426b	14.2563227	1.52483
Kepler-622b	14.28226676	2.0843
Kepler-1001b	14.30511983	3.08257
Kepler-1112b	14.36267939	2.95093

Kepler-804b	14.37457351	1.89781
Kepler-1046b	14.37508035	1.67841
Kepler-401b	14.383035	1.67841
Kepler-204b	14.400974	2.47922
Kepler-399b	14.425281	0.94342
Kepler-1473b	14.4273551	1.16282
Kepler-127b	14.435889	1.37125
Kepler-90i	14.44912	1.29446
Kepler-1425b	14.4541302	0.92148
Kepler-626b	14.48585199	2.23788
Kepler-242c	14.496481	1.95266
Kepler-389c	14.51143	1.4261
Kepler-955b	14.53244172	3.06063
Kepler-1479b	14.53261362	1.78811
Kepler-791b	14.5539759	2.98384
Kepler-1501b	14.5564533	1.52483
Kepler-473b	14.55731705	3.99308
Kepler-754b	14.5596237	1.96363
K2-26b	14.5665	2.61086
Kepler-624b	14.58649607	2.25982
Kepler-290b	14.589347	2.20497
Kepler-393c	14.613612	1.30543
Kepler-172d	14.627119	2.20497
Kepler-80g	14.64558	1.10797
Kepler-281b	14.646008	2.76444
Kepler-215c	14.667108	1.73326
K2-101b	14.677286	1.95266
Kepler-653b	14.70748976	1.90878
Kepler-107e	14.749049	3.37876
Kepler-404c	14.751166	1.67841
Kepler-223d	14.78869	5.12299
Kepler-1285b	14.7967458	0.95439
Kepler-959b	14.80074836	4.28927
Kepler-340b	14.844387	2.47922
Kepler-18d	14.85888	6.83431
Kepler-369c	14.871572	1.38222
Kepler-939b	14.878296	1.71132
Kepler-1327b	14.88801098	1.76617
Kepler-313b	14.970418	2.47922
Kepler-1114b	14.97435694	1.3164
Kepler-1493b	15.0217983	1.38222
Kepler-1500b	15.0330105	1.17379
Kepler-1199b	15.0447198	1.12991
Kepler-1252b	15.0540329	1.63453
Kepler-299d	15.054786	1.82102
Kepler-128b	15.09	1.10797
Kepler-1392b	15.1410397	1.91975
Kepler-385c	15.163161	2.97287
Kepler-342b	15.170318	2.20497
K2-72c	15.1871	0.84469

Kepler-1201b	15.18725932	2.23788
Kepler-151b	15.228958	2.99481
Kepler-23d	15.274299	2.15012
Kepler-602b	15.28469497	2.04042
Kepler-165c	15.31299	2.18303
Kepler-27b	15.3348	3.91629
Kepler-487b	15.3587684	11.17843
Kepler-1384b	15.36262753	1.89781
Kepler-249d	15.368459	1.5358
Kepler-693b	15.37563332	9.96076
Kepler-1050b	15.3787546	1.56871
Kepler-308c	15.38231	2.11721
Kepler-450c	15.413135	2.56698
Kepler-628b	15.4580567	8.21653
K2-21c	15.5012	1.87587
HIP 41378 b	15.5712	2.84123
Kepler-58c	15.5741568	2.79735
Kepler-863b	15.59461874	2.84123
Kepler-1586b	15.6049212	1.49192
Kepler-1334b	15.64591713	2.23788
Kepler-599b	15.65562652	2.77541
Kepler-214b	15.660544	2.55601
Kepler-197d	15.677563	1.19573
Kepler-67b	15.7259	2.87414
Kepler-838b	15.74957994	2.67668
Kepler-139b	15.771044	2.87414
Kepler-982b	15.7738221	2.20497
Kepler-613b	15.77979614	2.23788
Kepler-129b	15.79186	2.31467
Kepler-907b	15.86621821	1.17379
Kepler-646b	15.87364565	1.95266
Kepler-156c	15.906801	2.49019
Kepler-1404b	15.9314739	1.96363
Kepler-330c	15.955387	1.90878
Kepler-534b	15.95994513	2.194
Kepler-103b	15.9654	3.30197
Kepler-769c	15.9870174	1.7552
Kepler-332c	15.995622	1.06409
Kepler-1015b	16.00494214	3.47749
Kepler-143b	16.007583	2.35855
Kepler-665b	16.01310205	2.54504
Kepler-1507b	16.0506213	0.82275
Kepler-229c	16.068638	4.81583
Kepler-1186b	16.07677615	2.18303
Kepler-636b	16.08066115	4.35509
Kepler-709b	16.08524954	2.86317
Kepler-209b	16.087845	2.21594
Kepler-275c	16.088134	3.31294
Kepler-131b	16.092	2.35855
Kepler-378b	16.092361	0.73499

Kepler-1219b	16.10467749	2.07333
Kepler-1304b	16.1288853	2.23788
Kepler-102e	16.1457	2.17206
Kepler-1645b	16.1779561	1.74423
K2-62c	16.1966	2.09527
Kepler-555b	16.21775407	2.76444
Kepler-1194b	16.22371307	1.48095
Kepler-647b	16.2254649	1.14088
Kepler-96b	16.2385	2.61086
Kepler-36c	16.23855	3.59816
Kepler-248c	16.239494	3.98211
HATS-17b	16.254611	8.52369
Kepler-212b	16.257582	1.06409
Kepler-208e	16.259458	1.44804
Kepler-202c	16.282493	1.81005
Kepler-1470b	16.2950903	1.04215
Kepler-1306b	16.29595382	1.8649
Kepler-1223b	16.301259	1.19573
Kepler-698b	16.32976218	3.59816
Kepler-352c	16.332995	1.21767
Kepler-643b	16.33889626	9.93882
Kepler-1382b	16.3583055	1.84296
Kepler-52c	16.3850021	1.79908
Kepler-136c	16.399235	1.95266
Kepler-1608b	16.4735686	1.68938
Kepler-251c	16.514043	2.70959
Kepler-1064b	16.54080322	1.51386
Kepler-567b	16.54297375	2.20497
Kepler-589b	16.54964934	2.22691
Kepler-837b	16.56059504	2.50116
Kepler-263b	16.568087	2.61086
Kepler-1014b	16.57110363	2.33661
Kepler-1491b	16.5861762	1.48095
Kepler-170c	16.665863	2.79735
Kepler-158b	16.709184	2.07333
Kepler-373c	16.725948	1.21767
Kepler-970b	16.73652231	2.70959
Kepler-305d	16.738661	2.65474
Kepler-1492b	16.75255007	1.45901
Kepler-954b	16.78176602	2.27079
Kepler-436c	16.79713874	2.28176
Kepler-1243b	16.8320729	1.71132
Kepler-357c	16.85837	2.61086
Kepler-1180b	16.8601286	1.95266
Kepler-961b	16.87727414	2.49019
Kepler-1068b	16.92344113	3.55428
Kepler-354c	16.934402	1.28349
Kepler-265c	17.028937	2.57795
Kepler-1134b	17.13263989	2.58892
Kepler-1188b	17.1369543	2.04042



Kepler-1144b	17.14647302	1.95266
Kepler-572b	17.20523483	2.5231
Kepler-123b	17.232366	2.87414
Kepler-26c	17.2559	2.66571
Kepler-348c	17.265427	1.30543
Kepler-489b	17.27629612	7.55833
Kepler-331c	17.28111	1.79908
Kepler-1226b	17.2923453	1.41513
K2-136c	17.307137	2.8522
Kepler-194c	17.308032	2.53407
Kepler-749b	17.31716585	3.03869
Kepler-277b	17.324	2.86317
Kepler-306d	17.326644	2.4134
Kepler-400c	17.340824	1.45901
Kepler-216c	17.406669	2.97287
Kepler-648b	17.4211749	3.14839
Kepler-941b	17.42395198	3.01675
Kepler-751b	17.44490636	2.40243
Kepler-245c	17.460812	2.12818
Kepler-559b	17.58752333	3.53234
Kepler-250d	17.648312	2.12818
Kepler-1125b	17.6700642	1.79908
Kepler-659b	17.671796	2.44631
Kepler-191c	17.738506	1.82102
Kepler-988b	17.76080053	2.02945
Kepler-365c	17.784129	1.60162
Kepler-198b	17.790037	2.76444
Kepler-66b	17.815815	2.7425
Kepler-410Ab	17.833648	2.77541
Kepler-350c	17.849	3.03869
KOI-12b	17.8552333	15.6871
Kepler-85d	17.91323	1.17379
Kepler-320c	17.934937	1.33834
K2-17b	17.96753	2.18303
Kepler-631b	17.97979059	2.84123
Kepler-59c	17.9801235	1.94169
Kepler-562b	18.00931444	5.10105
Kepler-132d	18.010199	1.51386
Kepler-1307b	18.01621096	2.4134
Kepler-1564b	18.0540381	1.43707
Kepler-885b	18.11472949	2.44631
Kepler-253d	18.119869	3.10451
Kepler-1456b	18.1373829	1.11894
Kepler-62d	18.16406	1.90878
Kepler-152b	18.207973	2.73153
Kepler-1396b	18.2206421	2.02945
K2-99b	18.249	14.1513
Kepler-1142b	18.3027248	1.43707
K2-75c	18.311	2.70959
Kepler-221e	18.369917	2.57795

Kepler-566b	18.42794624	2.10624
K2-9b	18.4498	2.20497
Kepler-877b	18.45847097	2.07333
Kepler-560b	18.47764449	1.67841
Kepler-582b	18.49235668	3.59816
Kepler-1241b	18.5525701	2.57795
Kepler-49e	18.596108	1.52483
Kepler-1422b	18.6051942	1.9746
Kepler-224e	18.643577	1.93072
Kepler-53b	18.6489525	2.83026
Kepler-525b	18.68404933	2.57795
Kepler-329c	18.684737	1.88684
Kepler-137c	18.735753	1.84296
Kepler-254d	18.746477	2.44631
Kepler-833b	18.7546998	1.9746
Kepler-1086b	18.78425728	2.39146
Kepler-225c	18.794234	1.79908
Kepler-117b	18.7959228	7.88743
Kepler-1214b	18.82634264	2.31467
Kepler-752b	18.82747265	2.75347
Kepler-153b	18.870227	2.86317
Kepler-1187b	18.87064068	2.55601
Kepler-770b	18.92540274	2.24885
Kepler-1013b	18.93054959	2.10624
Kepler-24e	18.998355	2.72056
Kepler-370c	19.02293	1.8649
K2-16c	19.07863	2.49019
K2-80b	19.0918	1.96363
Kepler-1260b	19.1187753	1.73326
Kepler-813b	19.12947337	2.09527
K2-46b	19.1541	2.00751
Kepler-899b	19.17891293	2.62183
Kepler-9b	19.24	9.23674
Kepler-293b	19.254196	3.00578
Kepler-231c	19.271566	1.88684
K2-10b	19.3044	3.76271
Kepler-288c	19.305772	2.78638
Kepler-1030b	19.32952416	2.42437
Kepler-162c	19.446355	2.9619
Kepler-510b	19.55659418	2.4134
K2-74b	19.5666	2.25982
Kepler-20f	19.57758478	0.97633
Kepler-1546b	19.5974971	3.06063
Kepler-1641b	19.672266	3.03869
Kepler-520b	19.67416124	1.62356
Kepler-223e	19.72567	4.4977
Kepler-311c	19.738286	1.40416
Kepler-312c	19.747412	3.08257
Kepler-1006b	19.76172042	1.50289
Kepler-528b	19.78297415	2.04042

Kepler-1103b	19.79191978	2.22691
Kepler-846b	19.80792185	2.42437
Kepler-296d	19.850291	2.04042
Kepler-1485b	19.9157725	1.43707
Kepler-1299b	19.9400874	2.91802
Kepler-515b	19.96371318	1.4261
Kepler-375c	19.986326	2.58892
TRAPPIST-1h	20	0.73499
Kepler-243c	20.026218	1.95266
Kepler-244d	20.050401	2.25982
Kepler-372c	20.053763	2.04042
Kepler-235d	20.060548	2.00751
Kepler-1407b	20.0711504	2.20497
Kepler-83c	20.09	2.31467
Kepler-379b	20.09838	1.62356
Kepler-189c	20.134866	2.32564
Kepler-992b	20.16034462	1.59065
Kepler-118c	20.17202	7.51445
K2-63b	20.257	3.14839
Kepler-1370b	20.2641684	1.79908
K2-115b	20.273034	12.23155
Kepler-184c	20.303005	1.93072
Kepler-205c	20.306546	1.60162
Kepler-911b	20.310501	2.54504
Kepler-287b	20.342199	2.28176
Kepler-1417b	20.3505213	0.97633
Kepler-1512b	20.35972599	1.15185
Kepler-859b	20.38177573	3.02772
Kepler-887b	20.42228798	1.79908
Kepler-247d	20.477912	3.86144
Kepler-391c	20.485435	3.46652
Kepler-758d	20.4966197	2.07333
Kepler-687b	20.50586978	3.44458
K2-48b	20.5065	2.194
Kepler-154d	20.54981883	3.76271
Kepler-178c	20.552802	2.81929
Kepler-873b	20.5533844	3.67495
K2-32c	20.6602	2.95093
Kepler-336d	20.678772	2.31467
Kepler-182c	20.684342	3.35682
K2-59b	20.6921	2.35855
Kepler-1508b	20.7056504	1.30543
Kepler-185c	20.729042	1.9746
Kepler-196b	20.739886	1.8649
Kepler-292f	20.834237	2.3037
Kepler-733b	20.83424726	2.76444
Kepler-81d	20.837846	1.18476
Kepler-31b	20.8613	5.38627
K2-24b	20.88508	5.7044
Kepler-1568b	20.925392	1.27252

Kepler-1388d	20.9568158	2.79735
Kepler-54d	20.995694	1.49192
Kepler-712b	21.02247699	3.33488
Kepler-603b	21.05358596	2.58892
HD 106315 c	21.05788	4.22345
Kepler-39b	21.08721	13.6028
Kepler-1644b	21.0907758	1.84296
Kepler-1050c	21.1284569	1.44804
EPIC 211822797 b	21.169619	2.15012
HD 17156 b	21.21663	11.1894
Kepler-593b	21.21708973	2.80832
Kepler-109c	21.2227	2.46825
Kepler-192c	21.2234	2.73153
Kepler-596b	21.30022655	3.38973
Kepler-37c	21.302	0.73499
Kepler-163c	21.347262	2.21594
Kepler-870b	21.3587621	2.72056
Kepler-651b	21.38521506	2.31467
Kepler-56c	21.40239	9.58778
Kepler-544b	21.41616926	2.07333
Kepler-295c	21.526258	1.14088
Kepler-122d	21.587475	2.15012
Kepler-662b	21.67697486	2.12818
K2-125b	21.750264	2.12818
Kepler-33d	21.77596	5.23269
Kepler-167d	21.803855	1.17379
Kepler-726b	21.80451088	3.19227
Kepler-692b	21.81293494	3.03869
Kepler-262c	21.853722	1.60162
Kepler-1469b	21.8635301	2.7425
Kepler-126c	21.869741	1.54677
Kepler-344b	21.963945	2.55601
Kepler-871b	22.0459018	3.66398
Kepler-993b	22.08557563	2.90705
Kepler-1480b	22.12679948	1.63453
Kepler-573b	22.18329658	2.73153
Kepler-563b	22.18432708	3.02772
Kepler-521b	22.20813214	3.11548
Kepler-1300b	22.2419092	1.33834
Kepler-640b	22.24813967	2.50116
Kepler-397b	22.250949	2.40243
Kepler-89d	22.342989	11.02485
Kepler-689b	22.36656079	2.83026
Kepler-186e	22.407704	1.23961
Kepler-1418b	22.4764425	1.62356
Kepler-384b	22.597053	1.097
Kepler-11d	22.6845	3.04966
Kepler-1159b	22.70816791	2.31467
Kepler-219c	22.714613	3.49943
HD 219134 f	22.717	1.28349

Kepler-32d	22.7802	2.64377
Kepler-128c	22.804	1.10797
Kepler-340c	22.824669	3.30197
K2-58d	22.8827	1.67841
Kepler-1218b	22.9221266	1.40416
Kepler-298c	22.92881	1.88684
Kepler-145b	22.951	2.58892
Kepler-138d	23.0881	1.18476
Kepler-1088b	23.12748644	1.39319
Kepler-1336b	23.198681	1.94169
Kepler-637b	23.20584623	4.65128
Kepler-343c	23.22182	1.9746
Kepler-1511b	23.2382792	1.6455
Kepler-206d	23.44281	1.16282
Kepler-635b	23.44971004	2.58892
Kepler-1279b	23.4774101	1.71132
Kepler-1115b	23.5540725	1.66744
Kepler-811b	23.58447697	2.64377
Kepler-711b	23.58914398	3.33488
Kepler-1619b	23.6225913	0.74596
Kepler-199b	23.637604	3.03869
Kepler-238e	23.654	5.485
Kepler-104c	23.668205	3.06063
Kepler-600b	23.67517607	2.84123
Kepler-346c	23.851549	3.00578
Kepler-1069b	23.8990296	1.56871
Kepler-1432b	23.9109011	2.17206
Kepler-1137b	23.9210791	2.15012
Kepler-1423b	23.955378	1.04215
Kepler-236c	23.968127	1.95266
Kepler-106d	23.9802	0.93245
Kepler-1140b	24.0862707	2.70959
Kepler-333c	24.08821	1.08603
K2-72e	24.1669	0.80081
Kepler-1176b	24.1738579	2.40243
Kepler-354d	24.209842	1.21767
Kepler-519b	24.3078946	2.05139
Kepler-338c	24.310856	2.29273
Kepler-606b	24.31575992	3.23615
Kepler-1249b	24.3347127	2.32564
Kepler-1129b	24.3397804	2.89608
Kepler-1337b	24.4002549	2.35855
Kepler-1551b	24.4973698	2.59989
Kepler-657b	24.54350418	3.44458
Kepler-261c	24.570858	1.95266
Kepler-738b	24.58721573	2.44631
K2-3c	24.64354	1.81005
Kepler-257d	24.664551	4.84874
Kepler-470b	24.66919569	14.12936
Kepler-151c	24.674612	2.04042

LHS 1140 b	24.73712	1.40416
Kepler-1353b	24.7543966	1.76617
Kepler-1041b	24.7576421	2.87414
Kepler-282d	24.806	2.40243
Kepler-516b	24.85462415	5.61664
Kepler-467b	24.99324193	2.20497
Kepler-1093b	25.0824626	1.90878
Kepler-334d	25.09849	1.38222
Kepler-1463b	25.15864	1.82102
Kepler-386c	25.193458	1.54677
Kepler-1192b	25.2034787	2.31467
Kepler-197e	25.209715	0.88857
Kepler-85e	25.216751	1.23961
Kepler-270c	25.262887	1.73326
Kepler-595b	25.30292332	3.7298
Kepler-508b	25.30889748	1.60162
Kepler-1209b	25.369116	1.48095
Kepler-1381b	25.3842686	2.20497
Kepler-1509b	25.4338197	1.81005
Kepler-131c	25.5169	0.82275
Kepler-359b	25.563222	3.45555
K2-136d	25.575065	1.41513
Kepler-204c	25.660593	1.7552
Kepler-201b	25.672083	2.40243
Kepler-577b	25.69578251	2.49019
Kepler-364b	25.745718	1.51386
Kepler-176d	25.751974	2.45728
Kepler-355c	25.762294	2.65474
Kepler-604b	25.85501786	2.53407
Kepler-1369b	25.873148	2.6328
Kepler-268b	25.934138	2.49019
Kepler-878b	25.9422033	1.88684
Kepler-1051b	25.96200249	3.32391
Kepler-1172b	26.0204423	3.12645
Kepler-1478b	26.0840594	1.68938
Kepler-350d	26.136	2.7425
Kepler-342c	26.234138	1.91975
Kepler-681b	26.39435646	3.01675
Kepler-1045b	26.41045478	2.6328
Kepler-82b	26.444	3.91629
Kepler-1570b	26.548955	1.04215
Kepler-399c	26.67569	1.40416
Kepler-123c	26.695074	1.44804
Kepler-92c	26.723	2.54504
Kepler-1232b	26.7839183	1.88684
Kepler-368b	26.84768	3.19227
Kepler-977b	26.85328322	2.56698
Kepler-947b	26.9644317	2.22691
Kepler-377c	27.014976	2.01848
Kepler-797b	27.07237711	2.12818

Kepler-143c	27.082511	3.30197
Kepler-347c	27.320871	1.71132
Kepler-79c	27.4029	3.64204
Kepler-84e	27.434389	2.54504
Kepler-102f	27.4536	0.86663
Kepler-1617b	27.4785572	1.17379
Kepler-1056b	27.495606	2.95093
Kepler-875b	27.5073799	2.84123
Kepler-130c	27.50868	2.84123
Kepler-505b	27.52197994	2.54504
Kepler-1348b	27.5722742	1.89781
Kepler-765b	27.6655226	2.38049
Kepler-341d	27.666313	1.81005
Kepler-699b	27.80756293	13.81123
K2-84c	27.86	1.98557
Kepler-55b	27.9481449	2.38049
Kepler-222d	28.081912	3.60913
Kepler-220d	28.122397	0.95439
Kepler-1405b	28.2274184	3.87241
Kepler-995b	28.26731672	2.64377
K2-139b	28.38236	8.86376
Kepler-450b	28.454851	6.01156
Kepler-267d	28.464515	2.22691
Kepler-1266b	28.474748	2.5231
Kepler-1183b	28.5057189	2.76444
Kepler-533b	28.51120525	3.31294
Kepler-158c	28.551383	1.8649
Kepler-112c	28.574263	2.34758
Kepler-737b	28.59915399	1.91975
Kepler-1273b	28.625653	2.43534
K2-7b	28.67992	2.61086
Kepler-1202b	28.6851324	2.87414
Kepler-214c	28.7798	2.0843
Kepler-1309b	28.8432647	2.31467
Kepler-513b	28.86235584	2.15012
Kepler-378c	28.906009	0.68014
Kepler-164d	28.986769	2.40243
Kepler-558b	29.00790538	2.31467
Kepler-184d	29.022358	2.43534
Kepler-149b	29.198943	4.12472
Kepler-286e	29.221289	1.73326
Kepler-30b	29.33434	3.81756
Kepler-1461b	29.3494775	1.98557
Kepler-127c	29.393195	2.59989
Kepler-1424b	29.6091744	1.12991
Kepler-795b	29.6193421	1.6455
Kepler-405c	29.726682	4.56352
HD 3167 c	29.8454	2.78638
Kepler-531b	29.88485741	2.72056
Kepler-649b	29.90722674	2.21594

Kepler-576b	29.91136794	3.20324
Kepler-1460b	29.9633247	1.91975
Kepler-372d	30.092568	1.65647
Kepler-251d	30.133001	2.70959
Kepler-278b	30.160546	3.98211
Kepler-302b	30.184104	3.97114
Kepler-483b	30.229104	3.13742
Kepler-486b	30.36044667	10.76157
Kepler-1484b	30.4549136	2.06236
Kepler-150e	30.826557	3.04966
Kepler-1505b	30.8609366	0.91051
Kepler-805b	30.8638931	2.83026
Kepler-215d	30.864423	2.33661
K2-6b	30.94191	2.44631
Kepler-124d	30.950851	1.08603
K2-123b	30.956763	2.58892
Kepler-632b	30.99660733	2.16109
Kepler-945b	31.0033814	2.57795
Kepler-1236b	31.0571618	2.09527
Kepler-146b	31.158799	3.63107
Kepler-1466b	31.1750448	1.51386
Kepler-383c	31.200751	1.21767
Kepler-27c	31.3309	4.79389
Kepler-133c	31.517586	2.77541
Kepler-784b	31.5922646	1.54677
K2-47b	31.6372	1.85393
HIP 41378 c	31.6978	2.50116
K2-32d	31.7154	3.35682
Kepler-110c	31.719775	2.16109
Kepler-1464b	31.7785901	1.62356
Kepler-319d	31.781925	2.23788
Kepler-33e	31.7844	3.93823
Kepler-212c	31.805174	2.67668
Kepler-1178b	31.80634	1.04215
KIC 8540376 b	31.8099	4.01502
Kepler-1465b	31.8277111	1.73326
Kepler-276c	31.884	2.84123
Kepler-11e	31.9996	4.10278
Kepler-331d	32.134328	1.60162
Kepler-313c	32.273273	2.51213
Kepler-916b	32.2968798	1.72229
Kepler-1162b	32.5637069	2.16109
Kepler-230b	32.625555	4.1686
Kepler-1641c	32.657212	2.88511
K2-18b	32.94488	2.194
Kepler-277c	33.006	3.291
Kepler-154b	33.040532	2.21594
Kepler-274c	33.197861	1.79908
Kepler-819b	33.1995648	2.69862
Kepler-1166b	33.2406882	1.65647



Kepler-879b	33.3855938	2.51213
Kepler-147c	33.416423	2.38049
Kepler-1083b	33.4177993	3.291
Kepler-1444b	33.42035034	2.12818
Kepler-1155b	33.469743	1.98557
Kepler-46b	33.60134	8.86376
Kepler-258c	33.653079	3.53234
Kepler-449c	33.6727	2.70959
Kepler-925b	33.8678531	2.29273
Kepler-1325b	33.8786838	2.79735
Kepler-295d	33.884054	1.32737
Kepler-175c	34.035257	3.03869
Kepler-358b	34.060467	2.66571
Kepler-195c	34.096863	1.51386
Kepler-296e	34.14211	1.49192
Kepler-969b	34.1731714	2.02945
Kepler-569b	34.18890521	3.09354
Kepler-332d	34.21154	1.15185
Kepler-166c	34.260281	2.32564
Kepler-1010b	34.2685705	2.27079
Kepler-1077b	34.3511874	2.70959
Kepler-512b	34.43587975	2.6328
Kepler-289b	34.545	2.10624
Kepler-371b	34.763278	1.85393
Kepler-1052b	34.8538276	2.86317
Kepler-328b	34.921	2.24885
Kepler-395c	34.989262	1.29446
Kepler-172e	35.118736	2.69862
Kepler-584b	35.1810304	4.12472
Kepler-438b	35.23319	1.097
Kepler-100d	35.3331	1.57968
Kepler-747b	35.61760587	5.1559
Kepler-1451b	35.622233	3.28003
Kepler-275d	35.676062	3.25809
Kepler-279c	35.736	4.21248
Kepler-430b	35.968	3.1813
Kepler-241c	36.065978	2.51213
Kepler-245d	36.277108	2.9619
Kepler-1255b	36.2919336	2.27079
Kepler-281c	36.337373	5.19978
Kepler-1474b	36.4333452	2.11721
Kepler-52d	36.445171	1.90878
Kepler-1026b	36.5156053	2.16109
Kepler-290c	36.77031	2.64377
Kepler-177b	36.855	2.84123
Kepler-259c	36.924931	2.64377
Kepler-351b	37.054919	2.99481
Kepler-1025b	37.3229493	1.94169
Kepler-1269b	37.3331536	1.59065
Kepler-284c	37.514456	2.55601

Kepler-1388e	37.6327084	2.40243
Kepler-1109b	37.6467384	2.13915
Kepler-839b	37.8144514	2.51213
Kepler-367b	37.815724	1.27252
Kepler-362c	37.866281	1.41513
Kepler-1175b	37.94563	2.92899
Kepler-122e	37.993273	2.54504
Kepler-1652b	38.09722	1.56871
Kepler-1472b	38.1312831	1.8649
Kepler-299e	38.285489	1.83199
Kepler-672b	38.3774623	2.44631
Kepler-468b	38.47875707	13.0543
Kepler-1043b	38.5053398	2.49019
Kepler-53c	38.5583038	3.10451
Kepler-522b	38.58422849	6.75752
Kepler-487c	38.6519976	2.62183
Kepler-1118b	38.6715075	2.67668
Kepler-325d	38.715185	2.73153
Kepler-297b	38.871826	2.80832
Kepler-9c	38.91	9.02831
Kepler-530b	39.30941904	2.95093
Kepler-1441b	39.4419839	1.28349
Kepler-342d	39.459357	2.43534
Kepler-171d	39.595519	1.85393
Kepler-725b	39.64317811	10.39956
Kepler-37d	39.7922	1.89781
Kepler-1488b	39.8189932	1.82102
Kepler-1440b	39.859484	1.22864
K2-13b	39.91488	1.85393
K2-11b	39.93767	7.39378
Kepler-802b	40.0587473	3.46652
Kepler-874b	40.0686727	3.86144
Kepler-58d	40.101371	2.87414
Kepler-902b	40.1099547	2.49019
Kepler-869b	40.4287755	3.53234
Kepler-1360b	40.5286413	3.32391
Kepler-581b	40.6069821	2.57795
Kepler-627b	40.6994443	3.65301
Kepler-300c	40.714955	2.20497
Kepler-264b	40.806231	3.25809
Kepler-1277b	40.8365012	1.56871
Kepler-1268b	40.9903986	1.98557
Kepler-121c	41.008011	2.22691
Kepler-33f	41.02902	4.36606
Kepler-229d	41.194912	3.76271
Kepler-706b	41.40831347	12.88975
Kepler-667b	41.43962808	4.62934
BD+20 594 b	41.6855	2.18303
Kepler-1116b	41.6977827	2.49019
Kepler-906b	41.6979976	2.06236

Kepler-1502b	41.7083629	3.11548
Kepler-509b	41.74600392	2.43534
Kepler-209c	41.749882	3.03869
Kepler-759b	41.805985	2.22691
Kepler-142d	41.809118	2.11721
Kepler-180c	41.885775	2.95093
Kepler-55c	42.1516418	2.16109
Kepler-1122b	42.1917357	1.99654
Kepler-1113b	42.3004954	2.75347
Kepler-1326b	42.3514267	4.09181
K2-24c	42.36342	7.93131
Kepler-341e	42.473269	1.95266
Kepler-1419b	42.5215895	2.79735
Kepler-31c	42.6318	5.18881
Kepler-145c	42.882	4.22345
Kepler-48d	42.8961	1.99654
Kepler-1452b	42.913751	2.64377
Kepler-549b	42.9495649	2.51213
Kepler-396b	42.994	3.42264
Kepler-984b	43.0342272	2.07333
Kepler-265d	43.130617	2.43534
Kepler-944b	43.3167737	2.57795
Kepler-159c	43.595792	3.33488
Kepler-106e	43.8445	2.50116
Kepler-174c	44.000529	1.45901
Kepler-1499b	44.2008	1.16282
Kepler-282e	44.347	3.03869
Kepler-338d	44.431014	2.93996
Kepler-84f	44.552169	2.15012
K2-3d	44.55983	1.48095
Kepler-1345b	44.6169557	2.31467
Kepler-218c	44.699576	3.0716
Kepler-306e	44.840975	2.22691
Kepler-287c	44.851896	3.19227
Kepler-852b	44.9309804	2.49019
Kepler-942b	44.96417488	2.0843
Kepler-1251b	45.0904643	1.79908
Kepler-1233b	45.1263042	2.54504
Kepler-51b	45.154	6.94401
Kepler-10c	45.294301	2.3037
Kepler-384c	45.348269	1.10797
Kepler-220e	45.902733	1.30543
Kepler-235e	46.183669	2.17206
Kepler-655b	46.4063358	2.65474
Kepler-11f	46.6888	2.43534
Kepler-26e	46.827915	2.35855
HD 219134 d	46.859	1.57968
Kepler-1060b	46.8779367	2.32564
Kepler-153c	46.90232	2.47922
Kepler-1454b	47.0319479	1.84296

Kepler-1467b	47.0569043	3.22518
Kepler-1521b	47.14840805	2.44631
Kepler-1453b	47.1611696	2.61086
Kepler-1615b	47.3126192	2.01848
Kepler-401c	47.318218	2.10624
Kepler-263c	47.332773	2.4134
Kepler-196c	47.427737	2.194
Kepler-1397b	47.449955	1.67841
Kepler-219d	47.903645	2.75347
Kepler-1458b	47.9872764	2.69862
Kepler-1498b	48.051405	1.30543
Kepler-1261b	48.4308991	2.21594
Kepler-127d	48.630408	2.58892
Kepler-276d	48.648	2.7425
Kepler-1018b	49.1013514	2.5231
Kepler-108b	49.183921	8.46884
Kepler-1455b	49.276764	2.11721
Kepler-92d	49.3568	2.01848
Kepler-177c	49.412	6.94401
Kepler-357d	49.499875	3.35682
Kepler-47b	49.532	2.9619
Kepler-198c	49.567416	2.4134
Kepler-973b	49.6077331	1.91975
Kepler-978b	49.6221509	2.92899
Kepler-943b	49.7701438	5.80313