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ExoClock Project III: 450 new exoplanet ephemerides from ground and space observations

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ABSTRACT

The ExoClock project has been created with the aim of continuously monitoring the ephemerides of the Ariel candidates, to produce a consistent catalogue of reliable and precise ephemerides, increasing the efficiency of the mission. This work presents a homogenous catalogue of updated ephemerides for 450 planets, generated by the integration of ∼18500 data points from multiple sources. These sources include observations from ground-based telescopes (ExoClock network and ETD), mid-time values from the literature and light-curves from space telescopes (Kepler/K2 and TESS). With all the above, we achieve a median coverage of 50% on the post-discovery years, with data that have a median uncertainty less than one minute. In comparison with literature, the ephemerides generated by the project are more precise and less biased. More than 40% of the initial literature ephemerides had to be updated to reach the goals of the project, as they were either of low precision or drifting. Moreover, the integrated approach of the project enables both the monitoring of the majority of the Ariel candidates (95%), and also the identification of missing data. The dedicated ExoClock network effectively supports this task by contributing additional observations when a gap of data is identified. These results highlight the need for continuous monitoring to increase the observing coverage of the candidate planets. Finally, the extended observing coverage of planets allows us to detect trends (TTVs) for a smaple of 19 planets. All products, data, and codes used in this work are open and accessible to the wider scientific community.

Keywords: Ephemerides — Photometry — Transits — Amateur astronomers

1. INTRODUCTION

The number of exoplanets has already reached 5000, while it continues increasing on a daily basis and the characterisation of exoplanets will be the main goal for future space missions. The Ariel mission aims to observe the atmospheres of 1000 planets in 2029 in order to investigate their nature (Tinetti et al. 2018). Ariel will observe thousands of transits, and to increase the mission efficiency, it is required to have precise ephemerides. Proper planning is important to avoid wasting the precious observing time of Ariel and other future space missions.

For various reasons, accuracy in predicting transit times is impeded. For example, the uncertainties of the initial ephemerides causes degeneracies over time in the precision of the predicted transit time (e.g. Mallonn et al. 2019b). The insufficient number of available data for each planet is another factor that generates biases on calculating the ephemerides (e.g. Benneke et al. 2017; Mallonn et al. 2019b).

To overcome the above problems and create a complete catalogue of precise ephemerides for a large number of planets, it is significant to use all available resources of data. These resources consist of data from the literature, data obtained by telescopes from the ground and finally data from space telescopes. The ExoClock project (Kokori et al. 2021, 2022) is an open, integrated platform, with the aim of continuously monitoring the ephemerides of the Ariel candidate targets (Edwards & Tinetti 2022). The organisation of the project is described thoroughly in Kokori et al. (2021), and the first large-scale catalogue of updated ephemerides for 180 planets was produced in Kokori et al. (2022), by combining observations from ground-based telescopes and literature.

The benefits of using small, ground-based telescopes to observe transiting exoplanets has been underlined previously (e.g. Zellem et al. 2020; Mallonn et al. 2019b; Edwards et al. 2021a; Beck et al. 2019), and their use for large-scale studies has been proved already in Kokori et al. (2022). While small telescopes are efficient, the best use of resources is achieved by utilising all available resources including other ground based networks, data from the literature and also data from space resources. Space telescopes are effective for observing challenging transits not easily accessible from ground telescopes. Moreover, TESS (Ricker et al. 2014) has been scanning the sky since 2019 and will continue to provide light-curves for many known exoplanets, which can be used for ephemerides updates (Ivshina & Winn 2022). Therefore, to produce a complete catalogue of ephemerides for all planets, it is important to use data from both space- and ground-based telescopes.

In this study, we integrated data from the ExoClock network, mid-time points from the literature, data from the Exoplanet Transit Database (Poddaný et al. 2010) and from space telescopes (Kepler (Koch et al. 2010a), K2 (Howell et al. 2014), and TESS (Ricker et al. 2014)). The integration of totally 18500 mid-time points allowed the generation of a complete analysis of ephemerides for 450 planets. The benefits of this integrated analysis are several; biases are minimised and a better precision is achieved. Finally, long-term phenomena can be identified for each planet which may be indicative of trends (e.g. TTVs). The design and approach of the ExoClock project enables the identification of gaps in the observations, while the ExoClock network expands the observing coverage by acquiring new observations.

The ExoClock project operates with an Open Science Framework in all the aspects of the research cycle (EU 2016; Dai et al. 2018). Open Science advances the progress of scientific research by encouraging collaborations and reproducibility. During all stages of the scientific process, the project follows open science practices; data, tools and codes used for the analysis are all open and accessible to everyone. All data used in

Table 1. Summary of the observations used in this work. As coverage we define the percentage of years (since the first observation in the database) for which at least one observation exists.

	ExoClock	ETD	Kepler	K2	TESS	Literature	**Total**
Data points	2920	188	5936	403	6622	2442	**18511**
Dates	2007-2021	2001-2021	2009-2013	2014-2018	2018-2021	2004-2020	**2001-2021**
Planets	301	41	21	49	371	340	**450**
Median $\sigma_{T_{mid}}$	1.3 min	1.6 min	0.5 min	0.6 min	1.1 min	0.6 min	**0.8 min**
Median coverage	21%	17%	31%	17%	20%	17%	**50%**

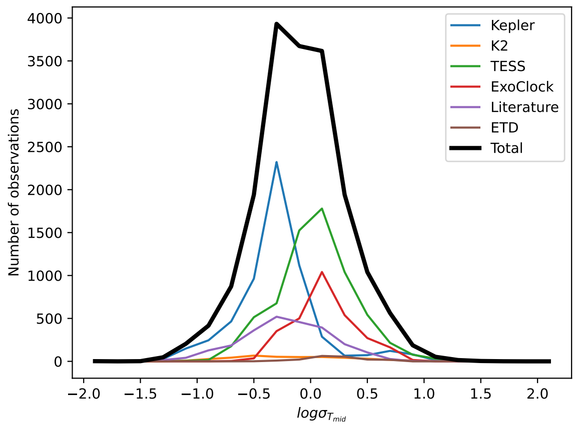

Figure 1. Distribution of transit mid-time uncertainties among the different sources.

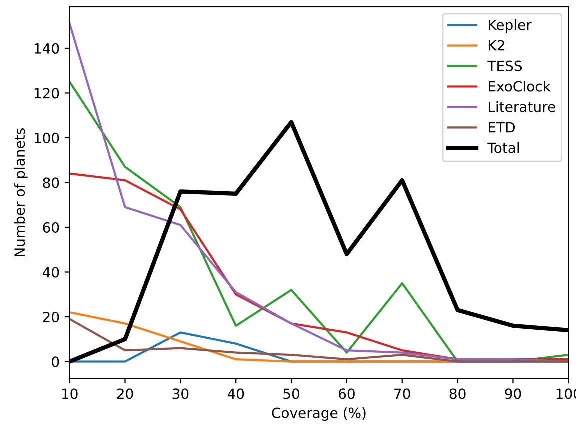

Figure 2. Distribution of coverage among the different sources. As coverage we define the percentage of years (since the first observation in the database) for which at least one observation exists.

this study are open and publicly available (e.g. data obtained from the ExoClock network, data from space telescopes). Additionally, open science means co-creation of scientific research through collaborations between various scientific communities and also citizen involvement (EU 2016). In this respect, the project is open for contributions from any interested person or community. The collaborative perspective enhances also the best use of resources. Such collaborations are important to avoid overlapping and waste of observing time and to a further extent, they foster innovation in science.

2. DATA

In this study, we integrated light-curves from the ExoClock network, light-curves from the Exoplanet Transit Database, light-curves from the MAST Archive (for the Kepler, K2, and TESS space missions), and mid-transit times from the literature (references in Table 7). to update the ephemerides of 450 exoplanets. All the light-curves were acquired before the end of 2021 and the literature mid-transit times were published by the end of 2021. We analysed all the light-curves, regardless of their source, using the stellar and planetary parameters included in the Exoplanet Characterisation Catalogue (ECC), a dedicated catalogue prepared and maintained within the ExoClock project (Kokori et al. 2021) (the values of the parameters and their references can be found in Table 6), and the open source Python package PyLightcurve (Tsiaras et al. 2016). For every light-curve, PyLightcurve:

1. calculates the limb-darkening coefficients using the ExoTETHyS package (Morello et al. 2020) (depending on the filter used for the observation),

2. converts the time formats to $\mathrm{BJD_{TDB}}$,

3. finds the maximum-likelihood model for the data (an exposure-integrated transit model together with a trend model – linear with airmass, linear with time, or quadratic) using the Nelder-Mead minimisation algorithm included in the SciPy package (Virtanen et al. 2020),

4. removes outliers that deviate from the maximum-likelihood model more than three times the STD of the normalised residuals

5. scales the uncertainties by the RMS of the normalised residuals, to take into account any extra scatter,

6. and, finally, performs an MCMC optimisation process using the emcee package (Foreman-Mackey et al. 2013)

Moreover, the quality of every light-curve was evaluated individually, and light-curves that fulfilled one of the criteria below, were excluded:

1. autocorrelation and shapiro statistic indicate non-gaussian normalised residuals at a 3-σ level or more,
2. transit S/N ($Depth/\sigma_{Depth}$) is lower than three,
3. Rp/Rs differs more than 3σ from the literature value,
4. O-C value is not in agreement with other observations of similar epoch.

The final list of 450 planets includes those planets for which we collected data-points at three or more different epochs and we could determine an ephemeris of better or equal quality to the initial ephemeris. Table 1 summarises the observations used to produce the ephemerides of 450 planets in this work.in addition, Figures 1 and 2 show the distribution of the precision and the coverage of the transit mid-time points used. As coverage we define the percentage of years (since the first observation in the database) for which at least one observation exists. We need to note here that 99% of the observations used have transit mid-time uncertainties lower than 10 minutes, and that the median coverage of all sources combined together is 50%, while individual sources cannot reach more than 21%.

2.1. *ExoClock - Summary and quality of data*

Currently, the ExoClock network consists of 540 participants – 80% of which are amateur astronomers – and 450 telescopes with sizes ranging between 6 and 40 inches – 80% are smaller than 17 inches. Figure 3 shows the distribution of the observations used in this work among the different telescope sizes. The large majority of the observations comes from small and medium-scale telescopes and amateur observers (73%), who are the focus of our network. The ExoClock network is organised in a way to maximise the coverage of the planets and to ensure the high quality and homogeneity of the results. To achieve this, we have defined a prioritisation system, we provide a personal scheduler for each telescope, we support the observers with the data analysis (educational material, a user-friendly software, regular meetings) and, finally, we perform the light curve modelling and evaluation (as described above) on the ExoClock website. For more details on the organisation of the ExoClock project and the network we refer the interested reader to Kokori et al. (2021).

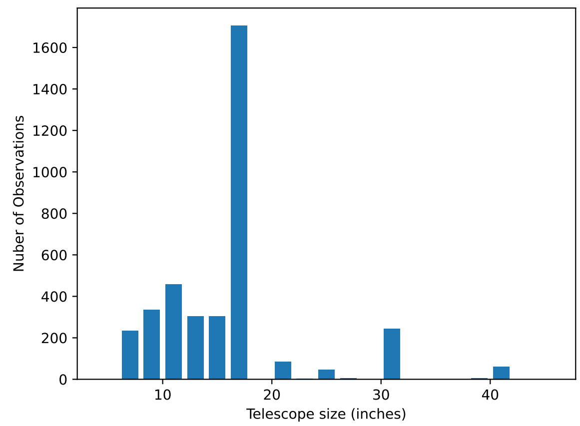

Figure 3. Number of observations received from the ExoClock network, as a function of the telescope size.

2.2. *Data from space telescopes*

For the first time in the ExoClock project, we integrated light-curves from space telescopes. More specifically we included light-curves from Kepler, K2 and TESS (before the end of 2021). At first, we downloaded the long-cadence light-curves for the targets in the ExoClock target list, then we identified the transits inside those light-curves and isolated them, including a base-line of one transit duration before and one after the event. Finally, the analysis and evaluation of each light-curve was conducted as described above, using a quadratic de-trending function. As some of the space-based light-curves contained gaps, we only considered those light-curves that were at least 80% complete, both in-transit and out-of-transit.

From the analysis of the space-based light-curves, and especially from the TESS light-curves, it became clear that for a non-negligible number of planets, the parameters in the ECC (as derived from the literature) were producing transits of shorter or longer duration. For those planets we let the reduced semi-major axis (a/R_s) to vary in order to account for the differences in the duration. The ECC has been updated accordingly and the planets for which the a/R_s was adjusted have been marked. Table 6 includes the adjusted a/R_s values, which are marked with an asterisk.

Finally, we need to note here that the modelling of the Kepler light-curves could not produce gaussian residuals. This is most probably due to the fixed limb-darkening coefficients (LDCs) used. However, we de-

Table 2. Categories of ephemerides in comparison with the previous ExoClock publication and the values at the beginning of the project.

	vs ExoClock II (180 planets)	vs initial (450 planets)
Significantly improved	0.0%	31.8%
Drifting	1.1%	12.7%
Improved	29.4%	40.9%
No change	65.5%	10.4%
TTVs	3.9%	4.2%

cided to not allow the LDCs to vary, in order to keep a homogeneous analysis pattern for all observations.

2.3. *Exoplanet Transit Database (ETD)*

The Exoplanet Transit Database (ETD, Poddaný et al. 2010) run by the Czech Astronomical Society since 2009, is currently the largest database of transit follow-up observations with more than 10,000 transit light-curves for more than 350 exoplanets systems. The collaboration between ExoClock and ETD started in Kokori et al. (2022) and in this study, we included 188 observations for 41 planets provided by the ETD network. In order to maintain homogeneity and reliability in our analysis, the ETD observations were analysed and evaluated through the ExoClock website using the same methodology and validation criteria as for the ExoClock data. The collaboration with ETD is critical to avoid duplications and waste of resources. We aim to continue our collaboration and gradually integrate more data from ETD in future publications. Such data can increase the coverage of certain planets toward the years before ExoClock.

2.4. *Mid-time points from the literature*

As we did not reanalyse the original light-curves we could not apply the same criteria as for the ExoClock, ETD and space light-curves. From the available data we excluded points that referred to ephemerides, rather than individual transits (with the exception of the discovery papers). We also excluded points with uncertainties more than five minutes, and points that originated from Kepler, K2, TESS or ETD, to avoid duplications.

3. RESULTS

3.1. *Ephemerides*

Here we present updated ephemerides for the 450 out of the 570 planets that are currently in the ExoClock target list. To estimate the new ephemerides, we used all the available data from all the sources described in the previous section. At first, we calculated an updated zero-epoch point as the weighted average of the available epochs. Then we fitted a line on the epoch vs mid-transit times data using the emcee package (Foreman-Mackey et al. 2013). After a first fit, we scaled-up the uncertainties by the RMS of the normalised residuals to account for excess noise, and performed the fit again. Table 7 provides all the new ephemerides and references to the literature values used.

Figure 4 shows the uncertainties in the 2029-predictions before and after the updates presented in this work (σ_p and $\sigma_{p'}$, respectively), while Table 2 lists five categories of the ephemerides status. "Significantly improved" refers to those ephemerides that were giving 2029-predictions with uncertainties greater than the target uncertainty ($\sigma_p > D/12$). Note that the target uncertainty is the $1/12^{\text{th}}$ the transit duration, as defined in Kokori et al. (2021). The term "drifting" refers to the ephemerides that were giving 2029-predictions that were drifting more than the target uncertainty ($|p - p'| > D/12$). Fro the remaining ephemerides, the term "Improved" refers to those ephemerides for which the 2029-prediction uncertainties have been improved more than one minute ($\sigma_{p'} < \sigma_p - 1$), while "No change" refers to those ephemerides for which the 2029-prediction uncertainties have not changed by more than one minute ($|\sigma_{p'} - \sigma_p| < 1$). Finally, in this work we introduce the "TTVs" flag (Transit Timing Variations), which refers to ephemerides that deviate from a linear behaviour.

3.2. *Deviations from linear ephemerides*

For all planets we calculated GLS periodogramms on the linear ephemeris residuals to identify deviations from linear ephemerides. We concluded that the periodogramms are more reliable in detecting such deviations as other diagnostics like the reduced chi square, the autocorrelation, or gaussianity tests on the residuals, were producing a large number of false positives. This was due to the sparsity of the data and due to red noise in the timing measurements. The TTVs flag was given to those planets with periodogramms that had peaks with FAP (False Alarm Probability) lower than 0.13%. We estimated the FAP for each planet as follows: at first, we produced periodogramms (Pa) for 100,000 series of white noise with the same sampling, then we produced periodogramms (Pb) for 100,000 series where we varied the mid-time data within their uncertainties, finally, the FAP for each period was defined as the percentage of Pb that had greater power than the 99.87% (3σ upper limit) of the Pa periodogramms. Detected periodicities were categorised in short-term or long-term, based on the time span of all available data. Long-term are those

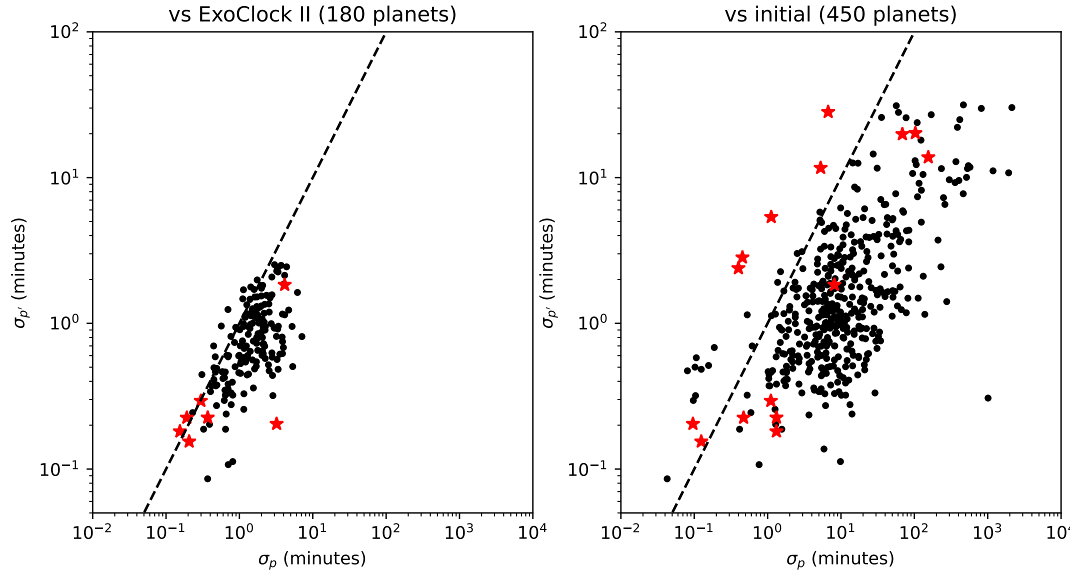

Figure 4. Comparison of the 2029-prediction uncertainties between this work and ExoClock II (left) and the ephemerides used at the beginning of the project (right). With the red star we indicate the planets for which TTVs signals have been found.

Table 3. Planets identified with deviations from a linear ephemeris. The long-term variations refer to periodicities that are close or about the full time span of the data used.

Planet	Short-term	Long-term
HAT-P-7b	No	Yes (2243.1 epochs)
HD106315c	Yes (multiple)	Yes (multiple)
HD108236b	Yes (multiple)	Yes (multiple)
K2-19b	Yes (multiple)	Yes (multiple)
KOI-12b	Yes (71.3 epochs)	No
KOI-94c	Yes (15.0 epochs)	No
KOI-94d	Yes (13.0 epochs)	No
KOI-94e	Yes (7.4 epochs)	Yes (38.0 epochs)
Kepler-18d	Yes (17.6 epochs)	No
Kepler-396c	Yes (multiple)	Yes (44.8 epochs)
Qatar-1b	Yes (327.0 epochs)	No
TOI-216.01	Yes (14.4 epochs)	Yes (50.2 epochs)
TOI-216.02	Yes (35.1 epochs)	Yes (111.0 epochs)
TOI-431b	Yes (multiple)	No
TrES-3b	Yes (multiple)	Yes (4138.1 epochs)
WASP-12b	Yes (multiple)	Yes (5173.5 epochs)
WASP-19b	Yes (multiple)	Yes (4465.2 epochs)
WASP-4b	Yes (multiple)	No
WASP-56b	Yes (multiple)	No

periodicities that are close to or longer than the total time span of the data used.

4. DATA RELEASE C

The third data release of the ExoClock project includes two data products: the Catalogue of Observations (ExoClock, ETD, space observations), and the catalogue of ExoClock ephemerides. All data products and their descriptions can be found through the OSF repository with DOI: 10.17605/OSF.IO/P298N.

4.1. *Catalogue of Observations*

The Catalogue of Observations contains all the light-curves and literature mid-time points summarised in Table 1. In the online repository, each light-curve is accompanied by:

1. metadata regarding the planet, the source, the observation, the instrument, and the data format;
2. the pre-detrended light curve, filtered for outliers, converted to BJD_{TDB} and flux formats, with scaled uncertainties
3. the fitting results, including the de-trending method used and its parameters;
4. the de-trended light curve, enhanced with the de-trending model, the transit model and the residuals;
5. fitting diagnostics on the residuals.

4.2. *Catalogue of ExoClock Ephemerides*

The new catalogue of ExoClock ephemerides contains the updated ephemerides for the 450 planets studied in this work (see also Table 7), accompanied by metadata regarding the planet, and flags concerning the detection of TTVs.

Table 4. Distribution characteristics for the ephemerides drifts S/N between this work and the previous ExoClock publication (first column) and between this work and the ephemerides at the beginning of the project (second column). Planets with TTVs have been excluded. In the ideal case of a normal distribution these parameters should take the values of the third column.

	vs ExoClock II (180 planets)	vs initial (450 planets)	Normal Distribution
STD	1.51	37.09	1.00
Kurtosis	1.75	263.28	0.00
68 percentile	1.28	1.77	0.995
95 percentile	3.42	5.04	1.960
99 percentile	5.12	25.96	2.576

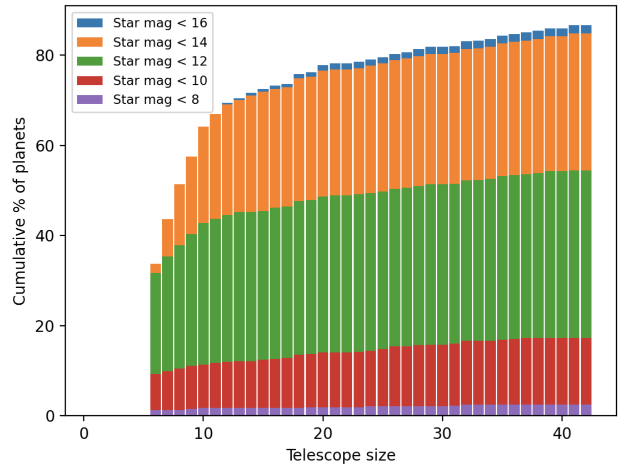

Figure 5. Distribution of available planets per magnitude and telescope size.

5. DISCUSSION

5.1. *Follow-up efficiency*

From the comparison between the ephemerides in ExoClock II and this work, we conclude that biases in the ephemerides produced by ExoClock are decreasing. This is based on the fact that the number of significantly improved or drifting ephemerides is very small (Table 2, left column). Moreover, the drifts found between ExoClock II and this study are closer to a normal distribution as seen in Table 4, first column. These values highlight the reliability of the produced ephemerides supporting that the ExoClock project works effectively towards achieving its goal.

5.2. *Need for continuous monitoring*

As it is indicated in Table 2 (second column), approximately 45% of the initial ephemerides have large uncertainties or drifts (categories "significantly improved" and "drifting"). This is a similar percentage as in ExoClock II, indicating that a significant number of ephemerides derived in discovery papers (including TESS discoveries) needs to be maintained to be appropriate for the efficient planning of Ariel. Moreover, as it shown in Tables 2 and 4 (first columns), while ExoClock ephemerides have reduced biases they are not completely bias-free. Our sample of 180 planets ExoClock II is not large enough to determine the coverage needed to produce completely bias-free ephemerides, but we can see that coverages of 60% or more are necessary to avoid drifts larger that five minutes in our 2029-predictions. Finally, as discussed in the previous section, some planets show long-term trends. Such trends can only be identified when coverage is close to 100%. For all these reasons, the effort of follow-up observations is important and continuous monitoring is essential.

The most important factor to increase the coverage is to continue integrating all available resources and prioritise accordingly the follow-up observations.

5.3. *Follow-up capabilities*

From the large number of observations obtained so far by the ExoClock network and with the TESS lightcurves analysed in this study we can estimate ore precisely the capabilities of these resources and plan efficiently for the future. Appendices Cand D we provide detailed calculation of the signal-to-noise calibration that we performed both on ExoClock and TESS data.

The minimum telescope size necessary to observe a planet with the ExoClock network (D_{min} in inches) is given by:

$$D_{min} = \frac{0.135 + 10^{-2.99+0.2R}}{5.1d}\sqrt{\frac{7200 + t_{14}}{900\pi t_{14}}} \quad (1)$$

where R is the magnitude of the host star in the R Cousins filter, d is the relative transit depth, and t_{14} is the total duration of the transit in seconds.

By placing an upper limit of 40 inches on the ExoClock network, we estimate that we can follow-up 88% of the currently known Ariel candidates. Figure 5 shows the distribution of available planets per magnitude and telescope size, where we can see that even with telescopes up to 16 inches, 75% of the targets can be observed.

Furthermore, the transit S/N that can be achieved by TESS is given by:

$$S/N_{transit}^{TESS} = \frac{0.65d\sqrt{t_{14}/90} \times 10^3}{0.135 + 10^{-2.43+0.2G_{RP}+0.0039G_{RP}^2}} \quad (2)$$

where G_{RP} is the magnitude of the host star in the GAIA Rp filter, d is the relative transit depth, and t_{14} is the total duration of the transit in seconds.

By placing a lower limit of S/N = 3 on the TESS observations, we estimate that we can follow-up 90% of the currently known Ariel candidates. By combining the two resources we can reach up to 95% of the candidates. For the remaining targets we plan to use other facilities such as CHEOPS (Benz et al. 2021) and Twinkle (Edwards et al. 2019), or combined multiple ground-based observations.

With this calibration of our network and TESS we can also perform better scheduling and therefore, we avoid wasting time of space telescopes if there are targets we can monitor with ground telescopes. All the way around, we are able to point out the targets that need definitely space observations because they are not reachable form the ground.

5.4. *TTVs signals*

Our analysis revealed 19 planets with statistically significant signals in the residuals of their liner ephemeris fit (Table 3). Ten of these planets – namely HD106315c, HD108236b, K2-19b, KOI-94c, KOI-94d, KOI-94e, Kepler-18d, Kepler-396c, TOI-216.01, TOI-216.02 – have one or more additional transiting planets in their planetary systems. Hence, it is no surprise that they show TTVs, due to interaction with other planets in the systems. It is beyond the scope of this work to study the dynamics of these systems, but we are flagging them on the ExoClock project, so that observers will continue monitoring them and help with future dynamic analysis. For the remaining eight planets we investigated the different scenarios below. In addition to the periodogramms for the residuals of the linear ephemeris fit, we also applied a quadratic ephemeris fit and studied the periodogramms of those residuals, too (Figure 6).

HAT-P-7b—An attempt to detect a third body in the system, either an additional planet or companion star has been made using radial velocity data over a two-year span of observations. Analysis from radial velocity data suggest the presence of a companion star but the results were controversial (Winn et al. 2009a). A possible detection of another Saturn-sized planet in the system was also suggested by Ballard et al. (2011), however, the significance for the detection was low.

Our results show a significant signal for a long-term periodicity of approximately 2243 epochs, or 4950 days, which is close to, but still lower than, the total time span of the data used. Moreover, we found a significant quadratic term of $6.95 \pm 0.52 \times 10^{-10}$, and after removing it, the long-term periodicity disappeared. The above suggest that the signal is periodic, with a positive curvature at the moment. This means that the planet is not decaying, leaving the possibilities of a third-body or orbital precession still open.

TrES-3b—So far studies concluded that there is no evidence for TTVs for Tres-3b (Kundurthy et al. 2013; Püsküllü et al. 2017). Christiansen et al. (2011) mentioned that a long term variability in the light curve of Tres-3b may be due to star spots. Additionally, the lack of periodic TTVs implies that another planetary body is absent according to the study by Mannaday et al. (2020). Finally, precession can be ruled out due to the very low value of eccentricity, whereas the possibility of slow orbital decay cannot (Mannaday et al. 2020).

Our results show multiple significant short-term periodicities, as well as one prominent long-term periodicity at approximately 4138 epochs or 5400 days. The long-term signal is longer then the total time span of the data. Moreover, we found a significant quadratic term of $-1.68 \pm 0.34 \times 10^{-10}$, and after removing it, both the short-term and the long-term periodicities disappeared. The above suggest that the signal is not periodic yet, with a negative curvature at the moment. In combination with the low eccentricity of the planet this means that orbital decay scenario is favoured.

WASP-12b—WASP-12b is one of the very first exoplanets with a verified non-linear ephemeris due to orbital decay (Maciejewski et al. 2016a). It is also possible that the planet undergoes apsidal precession as the data indicate that the orbit might be slightly eccentric (Yee et al. 2020). According to (Weinberg et al. 2017) the measured rate of the orbital decay would be reasonable only if WASP-12b was a subgiant that experiences evolutionary changes and as a result it causes a rapid orbital decay to the planet. TTVS that were reported later on support this idea but additional data are needed to confirm this (Maciejewski et al. 2018). More recent data concluded that the orbit is decaying with occultation times of about 4 minutes over a 10 year period (Yee et al. 2020). WASP-12b likely will be engulfed by its host star in a period of several million years (Yee et al. 2020).

Our results show multiple significant short-term periodicities, as well as one prominent long-term periodicity at approximately 5173 epochs or 5650 days. The long-term signal is longer then the total time span of the data. Moreover, we found a significant quadratic term of $-5.24 \pm 0.17 \times 10^{-10}$, and after removing it, both the short-term and the long-term periodicities disappeared. The above suggest that the signal is not periodic yet, with a negative curvature at the moment. In combination with the low eccentricity of the planet this means that orbital decay scenario is favoured.

WASP-19b—A non-linear ephemeris was reported previously (Mancini et al. 2013a; Espinoza et al. 2019a). Petrucci et al. (2020) conducted the first empirical study of orbital decay by using 74 complete transit light curves of 10 yr time span. Their results did not show any sign of orbital decay or periodic variations that could indicate the existence of additional bodies.

Our results show multiple significant short-term periodicities, as well as one prominent long-term periodicity at approximately 4465 epochs or 3520 days. The long-term signal is longer then the total time span of the data. Moreover, we found a significant quadratic term of $-0.87 \pm 0.13 \times 10^{-10}$, and after removing it, the majority of the short-term periodicities and the long-term periodicity disappeared. The above suggest that the signal is not periodic yet, with a negative curvature at the moment. In combination with the low eccentricity of the planet this means that orbital decay scenario is favoured.

WASP-4b—From the initial observations of WASP-4b it was assumed that TTVs might be present (Wilson et al. 2008). However, a follow-up study by (Petrucci et al. 2013) concluded that the system does not show significant TTV trends. Baluev et al. (2015) proposed that TTVs probably exist in the wasp-4 system with a magnitude of 10-20 seconds with an unknown nature. Additionally, a significant quadratic curve at the O-C diagram was reported in the study by (Bouma et al. 2019) with the most probable explanation to be the planets' orbital decay. (Southworth et al. 2019) stated that TTV variations have a smaller magnitude than previously detected, and orbital decay or a third body in the system are both problematic hypotheses. More recently, it was suggested that the line of sight acceleration is the most probable reason for the TTVs (Bouma et al. 2020a). Finally, Baluev et al. (2020) confirmed the existence of quadratic TTVs in the system but without making a new proposal for the origins.

We found a significant quadratic term of $-1.29 \pm 0.22 \times 10^{-10}$ although a long-term periodicity is not shown. In addition, the short-term periodicities disappeared after removing the quadratic term. The above suggest that timing data alone do not provide any indication towards an interpretation. To further investigate this behaviour, other type of data or a longer time span are required.

Qatar-1b—The first TTVs analysis for the Qatar-1 system was carried out by (von Essen et al. 2013) who claimed that there are possible TTVs on Qatar-1b either due to a weak pertubator in resonance with Qatar-1b or due to a massive body similar to a brown dwarf. The follow-up TTVs studies by Maciejewski et al. (2015) and Collins et al. (2017) did not find any evidence of additional planet in the system, while Püsküllü et al. (2017) found weak evidence of TTVs. It was also reported by (Covino et al. 2013) that the orbital period of the planet in the Qatar-1 system is much shorter than the rotation period of the star, and therefore, tides produce a decay of the orbit. The most recent analysis, by Su et al. (2021) concluded that no TTV frequencies are identified.

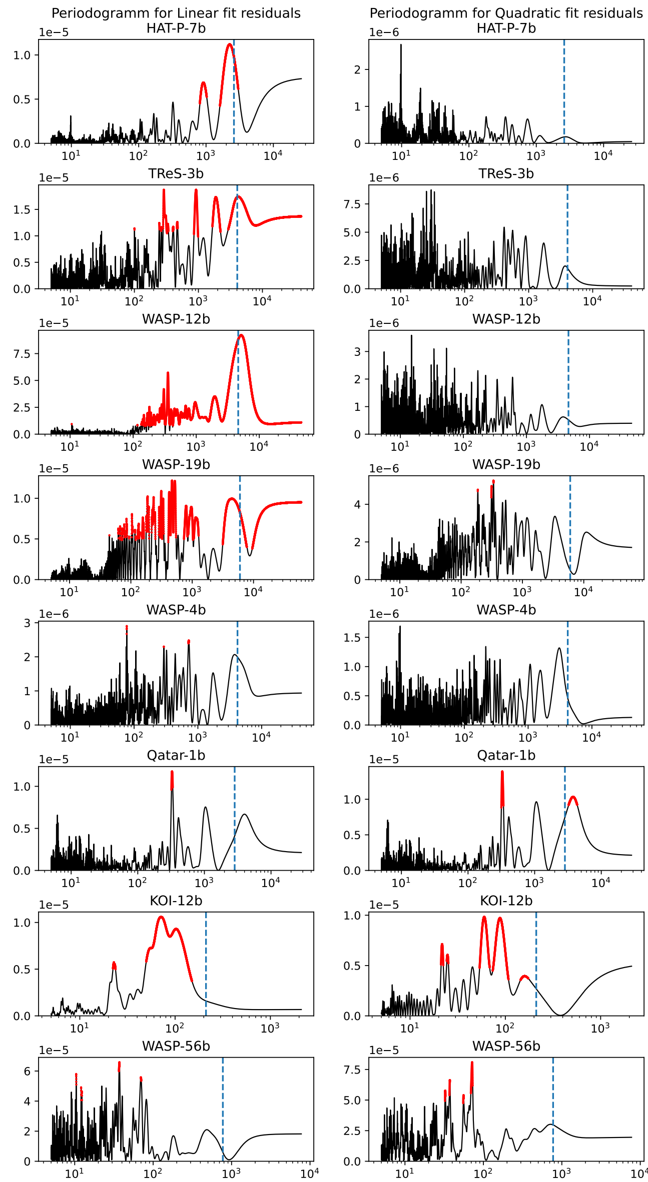

Figure 6. Periodogramms for the fitting residuals (linear and quadratic) for the eight planets with TTVs but without transiting companions. The red parts indicate periods with FAP lower than 0.13% and the vertical line indicates the total time span of the data used.

Our data cover a double time span compared to previous previous studies and our results indicate a statistically significant short-term periodicity at approximately 327 epochs or 465 days. Moreover, we found a non-significant quadratic term of $1.13 \pm 0.72 \times 10^{-10}$, and after removing it, the short-term periodicity was not affected. The above suggest that the signal is periodic, and in combination with the low eccentricity of the planet this means that pertubator scenario is favoured.

KOI-12b—Masuda (2017) suggested the presence of a second planet based on the same data (Kepler).

Our results indicate a few significant short-term periodicities between approximately 20 and 200 epochs. Moreover, we found a non-significant quadratic term of $-2.49 \pm 0.97 \times 10^{-7}$, and after removing it, the signals from the short-term periodicities remain strong. From the above we cannot reach a clear conclusion because the multiple short-term periodicities could be caused by stellar activity. More data are required to narrow down the possible scenarios.

WASP-56b—A search for TTVs was performed in the WASP-56 system in a recent study by (Wang et al. 2021), but statistically significant trends (at levels of 3σ) were not found.

Our results indicate a few significant short-term periodicities between approximately 10 and 100 epochs. Moreover, we found a non-significant quadratic term of $-2.09 \pm 0.82 \times 10^{-8}$, and after removing it, the signals from short-term periodicities above 50 epochs became stronger. From the above we cannot reach a clear conclusion as the multiple short-term periodicities could be caused by stellar activity. With more data in the future we will be able to narrow down the possible scenarios.

6. CONCLUSION

In this study, we present a coherent analysis for the ephemerides of 450 planets which are currently known candidates for the Ariel mission. The ephemerides resulted from the integration of data from the ExoClock network, mid-time points from the literature, data from the ETD and data from space telescopes (Kepler, K2, and TESS missions).

The results showed that the ephemerides produced by the ExoClock project are less biased and hence more reliable for future predictions, while continuous monitoring is necessary, as 40% of the initial ephemerides for new planets need refinement to achieve the goals of the project. The integrated approach of the project allows us to monitor up to 95% of the Ariel candidates, while identifying missing data and prioritising observations for specific targets. The ExoClock network facilitates effectively the effort of obtaining such high-priority observations, while more difficult targets can be requested to be observed by other space telescopes like CHEOPS and Twinkle.

The ExoClock project, after three years of continuous operation, development, and interaction between several communities of academics and non-academics, has became a sustainable platform for providing reliable ephemerides for the Ariel candidate planets. Moreover, a dynamic evolution of the project is achieved; new ideas can be implemented with the focus on more specific targets that show special interest (as the ones flaged for TTVs). We plan to continue operating ExoClock within the framework of Open Science with the twofold scope of monitoring the ephemerides and fostering the democratisation of science.

SOFTWARE AND DATA

Software used: Django, PyLightcurve (Tsiaras et al. 2016), ExoTETHyS (Morello et al. 2020), Astropy (Astropy Collaboration et al. 2013), emcee (Foreman-Mackey et al. 2013), Matplotlib (Hunter 2007), Numpy (Harris et al. 2020), SciPy (Virtanen et al. 2020).

All the data products and their descriptions can found through the OSF repository with DOI: 110.17605/OSF.IO/P298N

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APPENDIX

A. SUPPLEMENTARY INFORMATION

Here we append extra information regarding the data sources and results. More specifically, Table 5 includes a list with the amateur private observatories contributing to this work. Table 6 includes a list with the parameters used in the analysis of individual light-curves and the respective references, where the asterisk indicates orbital parameters (a/R_s or i) that were adjusted based on TESS data to match the observed durations.

Table 5. Amateur private observatories contributing to this work.

Observer(s)	Observatory
Adrian Jones	I64, Maidenhead, UK
Leon Bewersdorff	Observatory Kipshoven, Germany
Richard Abraham	The Green Observatory, UK
Vikrant Kumar Agnihotri	Cepheid Observatory, Rawatbhata, India
Raniero Albanesi	157FrassoSabino
Enrique Arce Mansego	Vallbona Observatory Valencia España
Matthieu Bachschmidt	Gonachon, France
David Bennett	Rickford Observatory
Paul Benni	Acton Sky Portal, Acton, MA, USA
Patrick Brandebourg	Observatoire du Guernet, Bretagne, France
Stephen M. Brincat	Flarestar Observatory (MPC:171), San Gwann, Malta
Sebastien Brouillard	Observatoire de Saint-Véran - Paul Felenbok - France
Mauro Caló	Cavallino Observatory, Tuscany, Italy
Fran Campos	Puig d'Agulles Observatory (Vallirana, Spain)
Roland Casali	Alto2000 Observatory, Italy
Giovanni Battista Casalnuovo	Filzi School Observatory (Laives - Italy)
Matteo Cataneo	Osservatorio Astronomico Civico "G. Barletta", Italy
Giuseppe Conzo	Explorer Orbanic Observatory, Croatia
Mercedes Correa	Sirius B (Spain)
Martin Valentine Crow	Burnham Observatory, Burnham on Crouch, UK
Dominique Daniel	LMJ-OBS - private observatory - France
Marc Deldem	Les Barres Observatory, Lamanon, France
Dimitrios Deligeorgopoulos	Artemis Observatory, Evrytania, Greece
Salomon Louw Ferreira	PESCOPE
Alvaro Fornas Silva	Centro Astronómico Alto Turia (CAAT)
Trevor Gainey	Kismet observatory, Berkshire, UK
Alberto García-Sánchez	Observatorio Rio Cofio - Robledo de Chavela (Spain)
Rafael González Farfán	Uraniborg Observatory, (Écija, Sevilla, Spain)
Ferran Grau Horta	Observatori de Ca l'Ou, Sant Martí Sesgueioles, Spain
Tim Haymes	Southside Observatory
Francois Hurter	Albireo Observatory, Switzerland
Kevin Johnson	Holbrook Observatory, East Sussex, UK
aziz kaeouach ettahar	High Atlas Observatory, Oukaimeden, Morocco
Didier Laloum	Observatoire Privé du Mont 40280 Saint-Pierre-du-Mont, France
Thomas Mollier	Tomastro Observatory, France
Massimiliano Mannucci	Osservatorio Astronomico Margherita Hack, Firenze, Italy
Antonio Marino	Telescopio Remoto Colacevich c/o Osservatorio Astronomico di Capodimonte di Napoli

Giuseppe Marino	GAC25cm+WBRO Italy
Fernando Antonio Martínez	Chile
Paolo Arcangelo Matassa	P.M.P.H.R. Deep Sky (MPC K81) Atina (FR) Italy
Philip Michel	Verulamium Private Observatory, St Albans, UK
Mike Miller	Georgetown Observatory, Georgetown, TX USA
Mario Morales-Aimar	Observatorio de Sencelles, Spain
Fabio Mortari	Hypatia Observatory, Italy
Jean-Louis Naudin	Gatinais French Observatory (GFO)
Christian Pantacchini	Observatoire de BENAYES ; FRANCE
Jean-Bernard Pioppa	La Roque Esclapon - FRANCE
Nikolaos I. Paschalis	Nunki Observatory, Skiathos, Greece
Valère Perroud	Observatoire de Duines, France
Mark Phillips	Forthimage Observatory, Edinburgh, Scotland
Jeff Purcell	Omaha, Nebraska-United States
Manfred Raetz	Privat Observatory Herges-Hallenberg, Germany
François Regembal	HRT Observatory, Spain
Lionel Rousselot	Vierzon Observatory, France
Xesco Rubia	Stupa Observatori, Centelles, Catalonia
Nello Ruocco	Osservatorio Astronomico Nastro Verde, Sorrento (Naples), Italy - MPC Code C82
Mark Salisbury	POST, UK
Fabio Salvaggio	WBRO (K49), Italy
John Savage	Z42, Rushay Farm Observatory, Dorset, UK
Danilo Sedita	Osservatorio Sedita Castrofilippo, Italy
Nick Sioulas	NOAK Observatory L02, Greece
Dimitris Stouraitis	Galileo Observatory, Greece
Geoffrey Thurston	I67, Hartley Wintney, UK
Andrea Tomacelli	Telescopio Remoto Colacevich UAN c/o Osservatorio Astronomico di Capodimonte di Napoli
Alberto Tomatis	Alto-Observatory, Italy
Pierre Valeau	Observatoire de l'Aiguillon sur Mer, France
Kuldip Vora	Cepheid Observatory, Rawatbhata, India
David E. Wright	Yorick Observatory, Hampshire, UK
Jean-Pascal Vignes	Deep Sky Chile , Chile
Vojtěch Školník	Broumov NM Observatory, Czech Republic

Table 6. Parameters used in the analysis of individual light-curves and the respective references, where the asterisk indicates orbital parameters (a/R_s or i) that were adjusted based on TESS data to match the observed durations.

Planet	Ephemeris	Stellar Parameters	Transit Parameters		
	T_0 ($BJD_{TDB} - 2450000$)	T_{eff} (K)	R_p/R_s	a/R_s	i (deg)
	P (days)	$\log(g)$ (cgs)	e	ω (deg)	
55Cnce	$2455962.0727^{+0.0007}_{-0.0007}$	$5234.0^{+30.0}_{-30.0}$	$0.0187^{+0.0004}_{-0.0004}$	$3.47^{+0.07}_{-0.07}$	$83.6^{+0.6}_{-0.6}$
	$0.736545^{+9e-07}_{-9e-07}$	$4.45^{+0.08}_{-0.08}$	–	–	
	Sulis et al. (2019)	Demory et al. (2011)	Sulis et al. (2019)		
CoRoT-11b	$2454597.6797^{+0.0003}_{-0.0003}$	$6440.0^{+120.0}_{-120.0}$	$0.107^{+0.0005}_{-0.0005}$	$6.89^{+0.08}_{-0.08}$	$83.17^{+0.15}_{-0.15}$
	$2.99433^{+1.1e-05}_{-1.1e-05}$	$4.22^{+0.23}_{-0.23}$	–	–	
	Gandolfi et al. (2010)	Gandolfi et al. (2010)	Gandolfi et al. (2010)		

CoRoT-19b	$2455257.4418^{+0.0006}_{-0.0006}$ $3.89713^{+2e-05}_{-2e-05}$ Guenther et al. (2012)	$6090.0^{+70.0}_{-70.0}$ $4.07^{+0.03}_{-0.03}$ Guenther et al. (2012)	$0.0786^{+0.0004}_{-0.0004}$ – Guenther et al. (2012)	$6.7^{+0.1}_{-0.1}$ –	$88.0^{+0.7}_{-0.7}$
CoRoT-2b	$2457347.04314^{+0.00012}_{-0.00012}$ $1.742997^{+1.1e-07}_{-1.1e-07}$ Kokori et al. (2022)	$5696.0^{+70.0}_{-70.0}$ $4.42^{+0.12}_{-0.12}$ Chavero et al. (2010)	$0.1667^{+0.0006}_{-0.0006}$ – Alonso et al. (2008b)	$6.7^{+0.03}_{-0.03}$ –	$87.84^{+0.1}_{-0.1}$
EPIC211945201b	$2458113.9399^{+0.0004}_{-0.0004}$ $19.49213^{+1e-05}_{-1e-05}$ Chakraborty et al. (2018)	$6025.0^{+100.0}_{-100.0}$ $4.25^{+0.1}_{-0.1}$ Chakraborty et al. (2018)	$0.0407^{+0.0003}_{-0.0003}$ – Chakraborty et al. (2018)	$23.1^{+0.5}_{-0.5}$ –	$87.9^{+0.06}_{-0.06}$
EPIC246851721b	$2457865.11032^{+0.0001}_{-0.0001}$ $6.180235^{+1.4e-05}_{-1.4e-05}$ Yu et al. (2018a)	$6202.0^{+52.0}_{-50.0}$ $4.16^{+0.02}_{-0.02}$ Yu et al. (2018a)	$0.068^{+0.003}_{-0.003}$ – Yu et al. (2018a)	$9.8^{+0.17}_{-0.17}$ –	$86.21^{+0.17}_{-0.17}$
G9-40b	$2458497.77747^{+0.00032}_{-0.00032}$ $5.746007^{+6e-06}_{-6e-06}$ Stefansson et al. (2020)	$3348.0^{+32.0}_{-32.0}$ $4.93^{+0.03}_{-0.03}$ Stefansson et al. (2020)	$0.0605^{+0.0026}_{-0.0026}$ – Stefansson et al. (2020)	$27.0^{+5.4}_{-3.7}$ –	$88.57^{+0.63}_{-0.47}$
GJ1132b	$2457184.5576^{+0.0003}_{-0.0003}$ $1.6289287^{+1.8e-06}_{-1.8e-06}$ Southworth et al. (2017)	$3270.0^{+140.0}_{-140.0}$ $5.05^{+0.09}_{-0.09}$ Berta-Thompson et al. (2015)	$0.051^{+0.003}_{-0.003}$ – Berta-Thompson et al. (2015)	$16.0^{+1.1}_{-1.1}$ –	$88.6^{+0.5}_{-0.5}$
GJ1214b	$2455881.57931^{+2.2e-05}_{-2.2e-05}$ $1.58040454^{+4e-08}_{-4e-08}$ Kokori et al. (2022)	$3026.0^{+130.0}_{-130.0}$ $4.99^{+0.03}_{-0.03}$ Charbonneau et al. (2009)	$0.116^{+0.0005}_{-0.0005}$ – Berta et al. (2012)	$15.31^{+0.21}_{-0.29}$ –	$89.3^{+0.4}_{-0.3}$
GJ1252b	$2458668.09739^{+0.00032}_{-0.00032}$ $0.5182349^{+6.3e-06}_{-6.3e-06}$ Shporer et al. (2020)	$3458.0^{+140.0}_{-133.0}$ $4.835^{+0.068}_{-0.067}$ Shporer et al. (2020)	$0.02802^{+0.0009}_{-0.0009}$ – Shporer et al. (2020)	$5.05^{+6.35}_{-2.73}$ –	$85.0^{+2.1}_{-1.8}$
GJ3470b	$2456340.72559^{+0.00011}_{-0.00011}$ $3.336649^{+2e-06}_{-2e-06}$ Nascimbeni et al. (2013a)	$3600.0^{+200.0}_{-200.0}$ $4.77^{+0.12}_{-0.12}$ Bonfils et al. (2012)	$0.0764^{+0.0004}_{-0.0004}$ $0.017^{+0.016}_{-0.012}$ Biddle et al. (2014)	$13.9^{+0.4}_{-0.5}$ $1.7^{+1.0}_{-1.2}$	$88.9^{+0.6}_{-0.5}$
GJ357b	$2458517.99862^{+0.00039}_{-0.00039}$ $3.93072^{+8e-05}_{-8e-05}$ Luque et al. (2019)	$3505.0^{+51.0}_{-51.0}$ $4.94^{+0.07}_{-0.07}$ Luque et al. (2019)	$0.0331^{+0.0009}_{-0.0009}$ – Luque et al. (2019)	$19.4^{+1.4*}_{-1.3}$ –	$89.12^{+0.37}_{-0.31}$
GJ436b	$2454873.01582^{+4e-05}_{-4e-05}$ $2.64389751^{+1.2e-07}_{-1.2e-07}$ Kokori et al. (2022)	$3350.0^{+300.0}_{-300.0}$ $4.84^{+0.02}_{-0.01}$ Torres et al. (2008)	$0.0831^{+0.0003}_{-0.0003}$ – Knutson et al. (2011)	$14.14^{+0.09}_{-0.1}$ –	$86.7^{+0.03}_{-0.03}$
GJ9827b	$2457738.8259^{+0.0003}_{-0.0003}$ $1.20898^{+8e-06}_{-8e-06}$ Rodriguez et al. (2018a)	$4255.0^{+110.0}_{-110.0}$ $4.7^{+0.15}_{-0.15}$ Niraula et al. (2017)	$0.024^{+0.0004}_{-0.0004}$ – Rice et al. (2019)	$6.72^{+0.08}_{-0.09}$ –	$86.1^{+0.4}_{-0.3}$
GJ9827c	$2457742.1993^{+0.00072}_{-0.00072}$ $3.648096^{+6.3e-05}_{-6.3e-05}$ Rice et al. (2019)	$4255.0^{+110.0}_{-110.0}$ $4.7^{+0.15}_{-0.15}$ Niraula et al. (2017)	$0.01887^{+0.00034}_{-0.00034}$ – Rice et al. (2019)	$14.04^{+0.17}_{-0.17}$ –	$88.19^{+0.21}_{-0.18}$
HAT-P-11b	$2455109.335119^{+2.1e-05}_{-2.1e-05}$ $4.8878009^{+3e-07}_{-3e-07}$ Kokori et al. (2022)	$4780.0^{+50.0}_{-50.0}$ $4.6^{+0.03}_{-0.03}$ Bakos et al. (2010)	$0.0576^{+0.0009}_{-0.0009}$ $0.2^{+0.05}_{-0.05}$ Bakos et al. (2010)	$15.58^{+0.17}_{-0.82}$ $355.2^{+17.3}_{-17.3}$	$88.5^{+0.6}_{-0.6}$
HAT-P-12b	$2456716.5327^{+6e-05}_{-6e-05}$ $3.21305751^{+1.7e-07}_{-1.7e-07}$ Kokori et al. (2022)	$4650.0^{+60.0}_{-60.0}$ $4.61^{+0.01}_{-0.01}$ Hartman et al. (2009)	$0.1406^{+0.0013}_{-0.0013}$ – Hartman et al. (2009)	$11.77^{+0.15}_{-0.21}$ –	$89.0^{+0.4}_{-0.4}$
HAT-P-13b	$2455456.49826^{+0.00016}_{-0.00016}$	$5653.0^{+90.0}_{-90.0}$	$0.0844^{+0.0013}_{-0.0013}$	$5.8^{+0.3}_{-0.3}$	$83.4^{+0.6}_{-0.6}$

	$2.9162431^{+6e-07}_{-6e-07}$	$4.13^{+0.04}_{-0.04}$	$0.021^{+0.009}_{-0.009}$	$181.0^{+45.0}_{-45.0}$	
	Kokori et al. (2022)	Bakos et al. (2009)	Bakos et al. (2009)		
HAT-P-14b	$2455421.35484^{+0.00022}_{-0.00022}$	$6600.0^{+90.0}_{-90.0}$	$0.0805^{+0.0011}_{-0.0011}$	$8.51^{+0.15*}_{-0.15}$	$83.77^{+0.18}_{-0.18}$
	$4.6276623^{+1e-06}_{-1e-06}$	$4.25^{+0.03}_{-0.03}$	–	–	
	Kokori et al. (2022)	Torres et al. (2010)	Fukui et al. (2016)		
HAT-P-15b	$2454638.5609^{+0.0005}_{-0.0005}$	$5568.0^{+90.0}_{-90.0}$	$0.1019^{+0.0009}_{-0.0009}$	$19.2^{+0.6}_{-0.6}$	$89.1^{+0.2}_{-0.2}$
	$10.8635^{+3e-05}_{-3e-05}$	$4.38^{+0.03}_{-0.03}$	$0.19^{+0.019}_{-0.019}$	$262.0^{+1.0}_{-1.0}$	
	Kovács et al. (2010)	Kovács et al. (2010)	Kovács et al. (2010)		
HAT-P-16b	$2455968.64684^{+0.00013}_{-0.00013}$	$6158.0^{+80.0}_{-80.0}$	$0.1071^{+0.0014}_{-0.0014}$	$7.2^{+0.3}_{-0.3}$	$86.6^{+0.7}_{-0.7}$
	$2.7759677^{+3e-07}_{-3e-07}$	$4.34^{+0.03}_{-0.03}$	$0.036^{+0.004}_{-0.004}$	$214.0^{+8.0}_{-8.0}$	
	Kokori et al. (2022)	Buchhave et al. (2010)	Buchhave et al. (2010)		
HAT-P-17b	$2456569.05972^{+5e-05}_{-5e-05}$	$5246.0^{+80.0}_{-80.0}$	$0.1238^{+0.001}_{-0.001}$	$22.6^{+0.5}_{-0.5}$	$89.2^{+0.2}_{-0.1}$
	$10.3385346^{+9e-07}_{-9e-07}$	$4.52^{+0.02}_{-0.02}$	$0.342^{+0.006}_{-0.006}$	$201.0^{+1.0}_{-1.0}$	
	Kokori et al. (2022)	Howard et al. (2012)	Howard et al. (2012)		
HAT-P-18b	$2457276.25646^{+0.0001}_{-0.0001}$	$4803.0^{+80.0}_{-80.0}$	$0.1356^{+0.0028}_{-0.0028}$	$16.39^{+0.24}_{-0.24}$	$88.53^{+0.16}_{-0.16}$
	$5.50803^{+8e-07}_{-8e-07}$	$4.57^{+0.04}_{-0.04}$	–	–	
	Kokori et al. (2022)	Hartman et al. (2011a)	Kirk et al. (2017)		
HAT-P-19b	$2456899.49658^{+0.0001}_{-0.0001}$	$4990.0^{+130.0}_{-130.0}$	$0.1418^{+0.002}_{-0.002}$	$12.2^{+0.7}_{-0.7}$	$88.2^{+0.4}_{-0.4}$
	$4.0087842^{+4e-07}_{-4e-07}$	$4.54^{+0.05}_{-0.05}$	$0.07^{+0.04}_{-0.04}$	$256.0^{+77.0}_{-77.0}$	
	Kokori et al. (2022)	Hartman et al. (2011a)	Hartman et al. (2011a)		
HAT-P-1b	$2455801.7739^{+0.00018}_{-0.00018}$	$5975.0^{+120.0}_{-120.0}$	$0.11802^{+0.00018}_{-0.00018}$	$9.85^{+0.07}_{-0.07}$	$85.63^{+0.06}_{-0.06}$
	$4.4652992^{+4e-07}_{-4e-07}$	$4.38^{+0.03}_{-0.03}$	–	–	
	Kokori et al. (2022)	Torres et al. (2008)	Nikolov et al. (2014)		
HAT-P-20b	$2456705.48183^{+7e-05}_{-7e-05}$	$4595.0^{+80.0}_{-80.0}$	$0.1284^{+0.0016}_{-0.0016}$	$11.2^{+0.3}_{-0.3}$	$86.8^{+0.2}_{-0.2}$
	$2.87531693^{+2.4e-07}_{-2.4e-07}$	$4.63^{+0.02}_{-0.02}$	$0.015^{+0.005}_{-0.005}$	$317.0^{+130.0}_{-130.0}$	
	Kokori et al. (2022)	Bakos et al. (2011)	Bakos et al. (2011)		
HAT-P-21b	$2454996.4139^{+0.0007}_{-0.0007}$	$5588.0^{+80.0}_{-80.0}$	$0.095^{+0.0022}_{-0.0022}$	$9.6^{+0.7}_{-0.7}$	$87.2^{+0.7}_{-0.7}$
	$4.124481^{+7e-06}_{-7e-06}$	$4.33^{+0.06}_{-0.06}$	$0.228^{+0.016}_{-0.016}$	$309.0^{+3.0}_{-3.0}$	
	Bakos et al. (2011)	Bakos et al. (2011)	Bakos et al. (2011)		
HAT-P-22b	$2456603.79429^{+0.00014}_{-0.00014}$	$5302.0^{+80.0}_{-80.0}$	$0.1065^{+0.0017}_{-0.0017}$	$8.6^{+0.3}_{-0.3}$	$86.9^{+0.6}_{-0.5}$
	$3.212233^{+3e-07}_{-3e-07}$	$4.36^{+0.04}_{-0.04}$	$0.016^{+0.009}_{-0.009}$	$156.0^{+66.0}_{-66.0}$	
	Kokori et al. (2022)	Bakos et al. (2011)	Bakos et al. (2011)		
HAT-P-23b	$2457575.19549^{+8e-05}_{-8e-05}$	$5905.0^{+80.0}_{-80.0}$	$0.1162^{+0.0008}_{-0.0008}$	$4.55^{+0.09}_{-0.09}$	$85.7^{+0.9}_{-0.9}$
	$1.21288644^{+8e-08}_{-8e-08}$	$4.33^{+0.05}_{-0.05}$	–	–	
	Kokori et al. (2022)	Bakos et al. (2011)	Ciceri et al. (2015)		
HAT-P-24b	$2455800.7899^{+0.0003}_{-0.0003}$	$6373.0^{+80.0}_{-80.0}$	$0.097^{+0.0012}_{-0.0012}$	$7.6^{+0.3}_{-0.3}$	$88.6^{+0.7}_{-0.7}$
	$3.355246^{+9e-07}_{-9e-07}$	$4.27^{+0.04}_{-0.04}$	$0.067^{+0.024}_{-0.024}$	$197.0^{+36.0}_{-36.0}$	
	Kokori et al. (2022)	Kipping et al. (2010)	Kipping et al. (2010)		
HAT-P-25b	$2456590.49235^{+0.00022}_{-0.00022}$	$5500.0^{+80.0}_{-80.0}$	$0.1269^{+0.0011}_{-0.0011}$	$10.9^{+0.3}_{-0.3}$	$88.2^{+0.5}_{-0.4}$
	$3.6528162^{+8e-07}_{-8e-07}$	$4.48^{+0.04}_{-0.04}$	$0.023^{+0.022}_{-0.014}$	$287.0^{+52.0}_{-17.0}$	
	Kokori et al. (2022)	Quinn et al. (2012)	Wang et al. (2018b)		
HAT-P-26b	$2456892.59046^{+0.0001}_{-0.0001}$	$5079.0^{+88.0}_{-88.0}$	$0.0737^{+0.0012}_{-0.0012}$	$13.1^{+0.8}_{-0.8}$	$88.6^{+0.5}_{-0.9}$
	$4.2345002^{+7e-07}_{-7e-07}$	$4.56^{+0.06}_{-0.06}$	$0.12^{+0.06}_{-0.06}$	$54.0^{+165.0}_{-165.0}$	
	Kokori et al. (2022)	Hartman et al. (2011b)	Hartman et al. (2011b)		
HAT-P-27b	$2456638.93852^{+0.00012}_{-0.00012}$	$5300.0^{+90.0}_{-90.0}$	$0.119^{+0.003}_{-0.003}$	$9.7^{+0.4}_{-0.5}$	$84.7^{+0.4}_{-0.7}$
	$3.0395778^{+2.5e-07}_{-2.5e-07}$	$4.51^{+0.04}_{-0.04}$	$0.08^{+0.05}_{-0.05}$	$63.0^{+64.0}_{-64.0}$	
	Kokori et al. (2022)	Béky et al. (2011)	Béky et al. (2011)		
HAT-P-28b	$2458124.34308^{+0.00022}_{-0.00022}$	$5680.0^{+90.0}_{-90.0}$	$0.113^{+0.0024}_{-0.0024}$	$8.4^{+0.6}_{-0.6}$	$88.0^{+0.9}_{-0.9}$
	$3.2572129^{+6e-07}_{-6e-07}$	$4.36^{+0.06}_{-0.06}$	$0.05^{+0.03}_{-0.03}$	$233.0^{+90.0}_{-90.0}$	
	Kokori et al. (2022)	Buchhave et al. (2011)	Buchhave et al. (2011)		

HAT-P-29b	$2457240.8218^{+0.0004}_{-0.0004}$	$6087.0^{+88.0}_{-88.0}$	$0.0885^{+0.0012}_{-0.0012}$	$11.6^{+0.6}_{-0.6}$	$88.0^{+0.6}_{-0.6}$
	$5.723371^{+2.4e-06}_{-2.4e-06}$	$4.34^{+0.06}_{-0.06}$	$0.07^{+0.03}_{-0.03}$	$203.0^{+29.0}_{-36.0}$	
	Kokori et al. (2022)	Buchhave et al. (2011)	Wang et al. (2018a)		
HAT-P-2b	$2454387.4945^{+0.00074}_{-0.00074}$	$6290.0^{+110.0}_{-110.0}$	$0.07227^{+0.00061}_{-0.00061}$	$8.99^{+0.39}_{-0.41}$	$86.72^{+1.12}_{-0.87}$
	$5.6334729^{+6.1e-06}_{-6.1e-06}$	$4.2^{+0.04}_{-0.05}$	$0.5171^{+0.0033}_{-0.0033}$	$185.22^{+0.95}_{-0.95}$	
	Pál et al. (2010)	Torres et al. (2008)	Pál et al. (2010)		
HAT-P-30b	$2455931.45837^{+0.00018}_{-0.00018}$	$6304.0^{+88.0}_{-88.0}$	$0.1109^{+0.0016}_{-0.0016}$	$6.771^{+0.013}_{-0.012}$	$82.7^{+0.19}_{-0.19}$
	$2.8106016^{+5e-07}_{-5e-07}$	$4.36^{+0.03}_{-0.03}$	–	–	
	Kokori et al. (2022)	Johnson et al. (2011)	Maciejewski et al. (2016b)		
HAT-P-31b	$2458169.941^{+0.0017}_{-0.0017}$	$6065.0^{+100.0}_{-100.0}$	$0.08^{+0.022}_{-0.022}$	$9.34^{+0.15}_{-0.15}$*	$87.1^{+1.8}_{-2.7}$
	$5.005272^{+6e-06}_{-6e-06}$	$4.26^{+0.18}_{-0.18}$	$0.245^{+0.004}_{-0.004}$	$274.3^{+1.8}_{-1.8}$	
	Mallonn et al. (2019b)	Kipping et al. (2011)	Kipping et al. (2011)		
HAT-P-32b	$2456209.25393^{+5e-05}_{-5e-05}$	$6207.0^{+88.0}_{-88.0}$	$0.1489^{+0.0006}_{-0.0006}$	$5.34^{+0.04}_{-0.04}$	$89.0^{+0.7}_{-0.8}$
	$2.15000825^{+1e-07}_{-1e-07}$	$4.329^{+0.021}_{-0.021}$	$0.16^{+0.05}_{-0.03}$	$50.0^{+27.0}_{-18.0}$	
	Kokori et al. (2022)	Hartman et al. (2011c)	Wang et al. (2019b)		
HAT-P-33b	$2456601.47713^{+0.00012}_{-0.00012}$	$6446.0^{+88.0}_{-88.0}$	$0.1058^{+0.0011}_{-0.0011}$	$6.56^{+0.09}_{-0.12}$	$87.2^{+0.0}_{-0.1}$
	$3.4744767^{+3e-07}_{-3e-07}$	$4.146^{+0.02}_{-0.02}$	–	–	
	Kokori et al. (2022)	Hartman et al. (2011c)	Hartman et al. (2011c)		
HAT-P-34b	$2456462.1472^{+0.0005}_{-0.0005}$	$6442.0^{+88.0}_{-88.0}$	$0.08^{+0.003}_{-0.003}$	$9.5^{+0.6}_{-0.6}$	$87.1^{+1.2}_{-1.2}$
	$5.452647^{+3e-06}_{-3e-06}$	$4.21^{+0.08}_{-0.08}$	$0.44^{+0.03}_{-0.03}$	$20.0^{+14.0}_{-14.0}$	
	Mallonn et al. (2019b)	Bakos et al. (2012)	Bakos et al. (2012)		
HAT-P-35b	$2455578.66158^{+0.0005}_{-0.0005}$	$6096.0^{+88.0}_{-88.0}$	$0.0954^{+0.0027}_{-0.0027}$	$7.45^{+0.37}_{-0.37}$	$87.3^{+1.0}_{-1.0}$
	$3.646706^{+2.1e-05}_{-2.1e-05}$	$4.214^{+0.067}_{-0.065}$	$0.025^{+0.018}_{-0.018}$	$248.0^{+93.0}_{-93.0}$	
	Bakos et al. (2012)	Bakos et al. (2012)	Bakos et al. (2012)		
HAT-P-36b	$2457334.53507^{+0.0001}_{-0.0001}$	$5560.0^{+100.0}_{-100.0}$	$0.126^{+0.0011}_{-0.0011}$	$4.67^{+0.04}_{-0.03}$	$85.2^{+0.7}_{-0.6}$
	$1.32734682^{+1.2e-07}_{-1.2e-07}$	$4.36^{+0.05}_{-0.05}$	$0.063^{+0.021}_{-0.023}$	$51.0^{+20.0}_{-19.0}$	
	Kokori et al. (2022)	Bakos et al. (2012)	Wang et al. (2019b)		
HAT-P-37b	$2457754.21279^{+0.00015}_{-0.00015}$	$5500.0^{+100.0}_{-100.0}$	$0.1394^{+0.002}_{-0.002}$	$9.19^{+0.31}_{-0.25}$	$86.7^{+0.4}_{-0.3}$
	$2.7974424^{+4e-07}_{-4e-07}$	$4.52^{+0.06}_{-0.06}$	–	–	
	Kokori et al. (2022)	Bakos et al. (2012)	Maciejewski et al. (2016b)		
HAT-P-38b	$2457515.07748^{+0.00011}_{-0.00011}$	$5330.0^{+100.0}_{-100.0}$	$0.0918^{+0.0016}_{-0.0016}$	$12.2^{+1.0}_{-1.0}$	$88.3^{+0.7}_{-0.7}$
	$4.6403288^{+1.1e-06}_{-1.1e-06}$	$4.46^{+0.1}_{-0.1}$	$0.07^{+0.05}_{-0.05}$	$240.0^{+104.0}_{-104.0}$	
	Kokori et al. (2022)	Sato et al. (2012)	Sato et al. (2012)		
HAT-P-39b	$2455208.7513^{+0.0004}_{-0.0004}$	$6430.0^{+100.0}_{-100.0}$	$0.099^{+0.003}_{-0.003}$	$6.74^{+0.25}_{-0.25}$	$87.0^{+1.0}_{-1.0}$
	$3.54387^{+5e-06}_{-5e-06}$	$4.17^{+0.05}_{-0.05}$	–	–	
	Hartman et al. (2012)	Hartman et al. (2012)	Hartman et al. (2012)		
HAT-P-3b	$2455694.72623^{+8e-05}_{-8e-05}$	$5185.0^{+80.0}_{-80.0}$	$0.1063^{+0.002}_{-0.002}$	$10.4^{+0.5}_{-0.5}$	$87.1^{+0.6}_{-0.6}$
	$2.89973826^{+1.5e-07}_{-1.5e-07}$	$4.56^{+0.03}_{-0.03}$	–	–	
	Kokori et al. (2022)	Torres et al. (2008)	Chan et al. (2011)		
HAT-P-40b	$2456414.9009^{+0.0005}_{-0.0005}$	$6080.0^{+100.0}_{-100.0}$	$0.0807^{+0.0014}_{-0.0014}$	$5.92^{+0.06}_{-0.14}$	$88.3^{+0.9}_{-0.9}$
	$4.4572173^{+1.7e-06}_{-1.7e-06}$	$3.93^{+0.04}_{-0.04}$	–	–	
	Kokori et al. (2022)	Hartman et al. (2012)	Hartman et al. (2012)		
HAT-P-41b	$2458071.24389^{+0.00012}_{-0.00012}$	$6390.0^{+100.0}_{-100.0}$	$0.1028^{+0.0016}_{-0.0016}$	$5.44^{+0.09}_{-0.15}$	$87.7^{+1.0}_{-1.0}$
	$2.6940497^{+8e-07}_{-8e-07}$	$4.14^{+0.03}_{-0.03}$	–	–	
	Kokori et al. (2022)	Hartman et al. (2012)	Hartman et al. (2012)		
HAT-P-42b	$2456036.0799^{+0.0008}_{-0.0008}$	$5743.0^{+50.0}_{-50.0}$	$0.086^{+0.003}_{-0.003}$	$8.1^{+0.8}_{-0.5}$	$85.9^{+1.3}_{-0.8}$
	$4.641838^{+8e-06}_{-8e-06}$	$4.14^{+0.07}_{-0.07}$	–	–	
	Mallonn et al. (2019b)	Boisse et al. (2013)	Boisse et al. (2013)		
HAT-P-43b	$2456147.3425^{+0.0003}_{-0.0003}$	$5645.0^{+74.0}_{-74.0}$	$0.1193^{+0.0018}_{-0.0018}$	$8.64^{+0.12}_{-0.28}$	$88.7^{+0.7}_{-0.7}$

	$3.332683^{+1.9e-06}_{-1.9e-06}$	$4.37^{+0.02}_{-0.02}$	–	–	
	Mallonn et al. (2019b)	Boisse et al. (2013)	Boisse et al. (2013)		
HAT-P-44b	$2457284.0768^{+0.0004}_{-0.0004}$	$5295.0^{+100.0}_{-100.0}$	$0.1343^{+0.001}_{-0.001}$	$11.5^{+0.5}_{-0.8}$	$89.1^{+0.4}_{-0.4}$
	$4.30119^{+1e-06}_{-1e-06}$	$4.46^{+0.06}_{-0.06}$	–	–	
	Kokori et al. (2022)	Hartman et al. (2014)	Hartman et al. (2014)		
HAT-P-45b	$2456502.8481^{+0.0003}_{-0.0003}$	$6330.0^{+100.0}_{-100.0}$	$0.111^{+0.0021}_{-0.0021}$	$7.4^{+0.4}_{-0.6}$	$87.8^{+0.9}_{-0.9}$
	$3.1289923^{+1.4e-06}_{-1.4e-06}$	$4.3^{+0.06}_{-0.06}$	–	–	
	Mallonn et al. (2019b)	Hartman et al. (2014)	Hartman et al. (2014)		
HAT-P-46b	$2455969.1255^{+0.0004}_{-0.0004}$	$6120.0^{+100.0}_{-100.0}$	$0.0942^{+0.0017}_{-0.0017}$	$8.9^{+0.9}_{-1.2}$	$85.5^{+0.8}_{-2.3}$
	$4.463137^{+5e-06}_{-5e-06}$	$4.25^{+0.11}_{-0.11}$	$0.12^{+0.12}_{-0.12}$	$70.0^{+87.0}_{-87.0}$	
	Mallonn et al. (2019b)	Hartman et al. (2014)	Hartman et al. (2014)		
HAT-P-49b	$2457077.8963^{+0.0005}_{-0.0005}$	$6820.0^{+52.0}_{-52.0}$	$0.0792^{+0.0019}_{-0.0019}$	$5.13^{+0.19}_{-0.3}$	$86.2^{+1.7}_{-1.7}$
	$2.6915535^{+1.2e-06}_{-1.2e-06}$	$4.1^{+0.04}_{-0.04}$	–	–	
	Kokori et al. (2022)	Bieryla et al. (2014)	Bieryla et al. (2014)		
HAT-P-4b	$2454740.97205^{+0.0002}_{-0.0002}$	$5860.0^{+80.0}_{-80.0}$	$0.086^{+0.008}_{-0.008}$	$6.0^{+0.3}_{-0.3}$	$89.7^{+0.3}_{-0.3}$
	$3.0565233^{+6e-07}_{-6e-07}$	$4.36^{+0.11}_{-0.11}$	–	–	
	Kokori et al. (2022)	Torres et al. (2008)	Christiansen et al. (2011)		
HAT-P-50b	$2456526.3049^{+0.0003}_{-0.0003}$	$6280.0^{+49.0}_{-49.0}$	$0.0782^{+0.0012}_{-0.0012}$	$5.68^{+0.19}_{-0.19}$	$83.7^{+0.6}_{-0.6}$
	$3.1220018^{+1.3e-06}_{-1.3e-06}$	$4.07^{+0.03}_{-0.03}$	–	–	
	Kokori et al. (2022)	Hartman et al. (2015a)	Hartman et al. (2015a)		
HAT-P-51b	$2457868.67797^{+0.00024}_{-0.00024}$	$5449.0^{+50.0}_{-50.0}$	$0.1278^{+0.002}_{-0.002}$	$10.5^{+0.3}_{-0.4}$	$88.5^{+0.6}_{-0.6}$
	$4.2180226^{+9e-07}_{-9e-07}$	$4.39^{+0.03}_{-0.03}$	–	–	
	Kokori et al. (2022)	Hartman et al. (2015a)	Hartman et al. (2015a)		
HAT-P-52b	$2456581.8074^{+0.0004}_{-0.0004}$	$5131.0^{+50.0}_{-50.0}$	$0.116^{+0.003}_{-0.003}$	$8.9^{+0.5}_{-0.5}$	$87.0^{+0.9}_{-0.9}$
	$2.7535973^{+1.3e-06}_{-1.3e-06}$	$4.48^{+0.05}_{-0.05}$	–	–	
	Kokori et al. (2022)	Hartman et al. (2015a)	Hartman et al. (2015a)		
HAT-P-53b	$2457502.7149^{+0.0003}_{-0.0003}$	$5956.0^{+50.0}_{-50.0}$	$0.112^{+0.0019}_{-0.0019}$	$5.6^{+0.3}_{-0.3}$	$86.2^{+1.5}_{-1.5}$
	$1.9616248^{+4e-07}_{-4e-07}$	$4.31^{+0.04}_{-0.04}$	–	–	
	Kokori et al. (2022)	Hartman et al. (2015a)	Hartman et al. (2015a)		
HAT-P-54b	$2458419.62257^{+0.00019}_{-0.00019}$	$4390.0^{+50.0}_{-50.0}$	$0.1572^{+0.002}_{-0.002}$	$14.34^{+0.22}_{-0.22}$	$87.04^{+0.08}_{-0.08}$
	$3.7998534^{+8e-07}_{-8e-07}$	$4.67^{+0.01}_{-0.01}$	–	–	
	Kokori et al. (2022)	Bakos et al. (2015a)	Bakos et al. (2015a)		
HAT-P-55b	$2457720.3595^{+0.0003}_{-0.0003}$	$5808.0^{+50.0}_{-50.0}$	$0.1202^{+0.0019}_{-0.0019}$	$9.8^{+0.3}_{-0.3}$	$87.7^{+0.6}_{-0.6}$
	$3.5852329^{+1.2e-06}_{-1.2e-06}$	$4.43^{+0.03}_{-0.03}$	–	–	
	Kokori et al. (2022)	Juncher et al. (2015)	Juncher et al. (2015)		
HAT-P-56b	$2457700.6456^{+0.0004}_{-0.0004}$	$6566.0^{+50.0}_{-50.0}$	$0.1054^{+0.0009}_{-0.0009}$	$6.37^{+0.11}_{-0.11}$	$82.13^{+0.18}_{-0.18}$
	$2.7908235^{+9e-07}_{-9e-07}$	$4.24^{+0.01}_{-0.01}$	–	–	
	Kokori et al. (2022)	Huang et al. (2015a)	Huang et al. (2015a)		
HAT-P-57b	$2457159.6765^{+0.0006}_{-0.0006}$	$7500.0^{+250.0}_{-250.0}$	$0.0968^{+0.0015}_{-0.0015}$	$5.83^{+0.07}_{-0.12}$	$88.3^{+0.8}_{-0.8}$
	$2.4652946^{+7e-07}_{-7e-07}$	$4.25^{+0.02}_{-0.02}$	–	–	
	Kokori et al. (2022)	Hartman et al. (2015b)	Hartman et al. (2015b)		
HAT-P-59b	$2458618.54088^{+0.00021}_{-0.00021}$	$5678.0^{+16.0}_{-16.0}$	$0.10452^{+0.00096}_{-0.00096}$	$9.87^{+0.12}_{-0.12}$	$85.18^{+0.1}_{-0.1}$
	$4.1419771^{+1.2e-06}_{-1.2e-06}$	$4.36^{+0.01}_{-0.01}$	–	–	
	Bakos et al. (2021)	Bakos et al. (2021)	Bakos et al. (2021)		
HAT-P-5b	$2455705.72567^{+0.00024}_{-0.00024}$	$5960.0^{+100.0}_{-100.0}$	$0.1106^{+0.0006}_{-0.0006}$	$7.5^{+0.19}_{-0.19}$	$86.8^{+0.4}_{-0.4}$
	$2.7884735^{+5e-07}_{-5e-07}$	$4.0^{+0.2}_{-0.2}$	–	–	
	Kokori et al. (2022)	Torres et al. (2008)	Torres et al. (2008)		
HAT-P-62b	$2457118.38979^{+0.00044}_{-0.00044}$	$5629.0^{+48.0}_{-48.0}$	$0.0942^{+0.0019}_{-0.0019}$	$6.93^{+0.11}_{-0.11}$	$87.93^{+0.64}_{-0.64}$
	$2.6453235^{+3.9e-06}_{-3.9e-06}$	$4.31^{+0.01}_{-0.01}$	–	–	
	Bakos et al. (2021)	Bakos et al. (2021)	Bakos et al. (2021)		

HAT-P-65b	$2457149.2808^{+0.0004}_{-0.0004}$	$5835.0^{+51.0}_{-51.0}$	$0.1045^{+0.0024}_{-0.0024}$	$4.57^{+0.2}_{-0.2}$	$84.2^{+1.3}_{-1.3}$
	$2.6054485^{+9e-07}_{-9e-07}$	$3.98^{+0.04}_{-0.04}$	–	–	
	Kokori et al. (2022)	Hartman et al. (2016)	Hartman et al. (2016)		
HAT-P-66b	$2457258.7999^{+0.0007}_{-0.0007}$	$6002.0^{+50.0}_{-50.0}$	$0.0872^{+0.0024}_{-0.0024}$	$5.01^{+0.21}_{-0.32}$	$86.2^{+1.8}_{-1.8}$
	$2.972086^{+6e-06}_{-6e-06}$	$3.99^{+0.04}_{-0.04}$	–	–	
	Hartman et al. (2016)	Hartman et al. (2016)	Hartman et al. (2016)		
HAT-P-67b	$2455961.3854^{+0.0008}_{-0.0008}$	$6406.0^{+65.0}_{-61.0}$	$0.0834^{+0.0017}_{-0.0017}$	$5.69^{+0.06}_{-0.12}$	$88.8^{+1.1}_{-1.3}$
	$4.8101025^{+4e-07}_{-4e-07}$	$3.85^{+0.01}_{-0.02}$	–	–	
	Zhou et al. (2017)	Zhou et al. (2017)	Zhou et al. (2017)		
HAT-P-68b	$2456614.20355^{+0.00014}_{-0.00014}$	$4508.0^{+43.0}_{-43.0}$	$0.1644^{+0.0015}_{-0.0015}$	$9.6^{+0.185}_{-0.047}$	$88.73^{+0.47}_{-0.27}$
	$2.29840551^{+5.2e-07}_{-5.2e-07}$	$4.62^{+0.01}_{-0.01}$	–	–	
	Lindor et al. (2021)	Lindor et al. (2021)	Lindor et al. (2021)		
HAT-P-69b	$2458495.78861^{+0.00073}_{-0.00073}$	$7394.0^{+360.0}_{-600.0}$	$0.08703^{+0.00075}_{-0.00075}$	$7.32^{+0.16}_{-0.18}$	$87.19^{+0.52}_{-0.72}$
	$4.7869491^{+2.1e-06}_{-2.1e-06}$	$4.11^{+0.03}_{-0.06}$	–	–	
	Zhou et al. (2019a)	Zhou et al. (2019a)	Zhou et al. (2019a)		
HAT-P-6b	$2455260.92994^{+0.00021}_{-0.00021}$	$6570.0^{+80.0}_{-80.0}$	$0.0934^{+0.0005}_{-0.0005}$	$7.69^{+0.22}_{-0.22}$	$85.5^{+0.3}_{-0.3}$
	$3.8529962^{+5e-07}_{-5e-07}$	$4.22^{+0.03}_{-0.03}$	–	–	
	Kokori et al. (2022)	Noyes et al. (2008)	Torres et al. (2008)		
HAT-P-70b	$2458439.57519^{+0.00045}_{-0.00045}$	$8450.0^{+540.0}_{-690.0}$	$0.09887^{+0.00133}_{-0.00133}$	$5.31^{+0.06*}_{-0.06}$	$83.5^{+0.91}_{-1.42}$
	$2.74432452^{+7.9e-07}_{-7.9e-07}$	$4.18^{+0.06}_{-0.06}$	–	–	
	Zhou et al. (2019a)	Zhou et al. (2019a)	Zhou et al. (2019a)		
HAT-P-7b	$2455174.8326^{+0.0003}_{-0.0003}$	$6350.0^{+80.0}_{-80.0}$	$0.0781^{+0.0007}_{-0.0007}$	$4.03^{+0.16}_{-0.16}$	$82.2^{+1.2}_{-1.2}$
	$2.2047363^{+7e-07}_{-7e-07}$	$4.07^{+0.08}_{-0.04}$	$0.0016^{+0.0034}_{-0.001}$	$165.0^{+93.0}_{-66.0}$	
	Kokori et al. (2022)	Pál et al. (2008)	Wong et al. (2016)		
HAT-P-8b	$2455945.0839^{+0.0003}_{-0.0003}$	$6200.0^{+80.0}_{-80.0}$	$0.0921^{+0.0005}_{-0.0005}$	$6.29^{+0.06}_{-0.06}$	$87.1^{+0.4}_{-0.4}$
	$3.0763433^{+7e-07}_{-7e-07}$	$4.15^{+0.05}_{-0.05}$	–	–	
	Kokori et al. (2022)	Latham et al. (2009)	Mancini et al. (2013b)		
HAT-P-9b	$2455473.14492^{+0.00023}_{-0.00023}$	$6350.0^{+150.0}_{-150.0}$	$0.107^{+0.0009}_{-0.0009}$	$8.5^{+0.3}_{-0.3}$	$86.4^{+0.4}_{-0.4}$
	$3.9228105^{+8e-07}_{-8e-07}$	$4.3^{+0.06}_{-0.06}$	$0.08^{+0.05}_{-0.05}$	$152.0^{+42.0}_{-39.0}$	
	Kokori et al. (2022)	Shporer et al. (2009b)	Wang et al. (2019b)		
HATS-10b	$2456457.88268^{+0.00022}_{-0.00022}$	$5880.0^{+120.0}_{-120.0}$	$0.0903^{+0.0013}_{-0.0013}$	$8.7^{+0.3}_{-0.4}$	$87.8^{+0.7}_{-0.7}$
	$3.312846^{+6e-06}_{-6e-06}$	$4.39^{+0.03}_{-0.03}$	–	–	
	Brahm et al. (2015)	Brahm et al. (2015)	Brahm et al. (2015)		
HATS-11b	$2457378.41989^{+7e-05}_{-7e-05}$	$6060.0^{+150.0}_{-150.0}$	$0.108^{+0.003}_{-0.003}$	$6.88^{+0.18}_{-0.27}$	$88.3^{+0.9}_{-0.9}$
	$3.619163^{+3e-06}_{-3e-06}$	$4.12^{+0.03}_{-0.03}$	–	–	
	Bayliss et al. (2018a)	Rabus et al. (2016)	Rabus et al. (2016)		
HATS-13b	$2456824.3225^{+0.00023}_{-0.00023}$	$5523.0^{+69.0}_{-69.0}$	$0.1402^{+0.0016}_{-0.0016}$	$9.82^{+0.18}_{-0.18}$	$88.5^{+0.4}_{-0.4}$
	$3.0440546^{+7e-07}_{-7e-07}$	$4.52^{+0.02}_{-0.02}$	–	–	
	Kokori et al. (2022)	Mancini et al. (2015a)	Mancini et al. (2015a)		
HATS-17b	$2457139.168^{+0.0014}_{-0.0014}$	$5846.0^{+78.0}_{-78.0}$	$0.073^{+0.003}_{-0.003}$	$25.8^{+1.1}_{-1.5}$	$89.1^{+0.3}_{-0.3}$
	$16.25461^{+7e-05}_{-7e-05}$	$4.42^{+0.04}_{-0.04}$	–	–	
	Brahm et al. (2016a)	Brahm et al. (2016a)	Brahm et al. (2016a)		
HATS-1b	$2457901.9514^{+0.0004}_{-0.0004}$	$5870.0^{+100.0}_{-100.0}$	$0.1288^{+0.002}_{-0.002}$	$9.2^{+0.8}_{-0.8}$	$85.6^{+0.6}_{-1.4}$
	$3.4464553^{+8e-07}_{-8e-07}$	$4.4^{+0.11}_{-0.11}$	$0.12^{+0.09}_{-0.09}$	$18.0^{+30.0}_{-18.0}$	
	Kokori et al. (2022)	Penev et al. (2013)	Penev et al. (2013)		
HATS-22b	$2457768.11264^{+0.00023}_{-0.00023}$	$4803.0^{+55.0}_{-55.0}$	$0.143^{+0.003}_{-0.003}$	$15.7^{+0.4}_{-0.7}$	$87.96^{+0.21}_{-0.21}$
	$4.7228189^{+1.2e-06}_{-1.2e-06}$	$4.64^{+0.03}_{-0.03}$	$0.08^{+0.03}_{-0.03}$	$56.0^{+73.0}_{-73.0}$	
	Kokori et al. (2022)	Bento et al. (2017)	Bento et al. (2017)		
HATS-23b	$2457072.85344^{+0.0007}_{-0.0007}$	$5780.0^{+120.0}_{-120.0}$	$0.159^{+0.02}_{-0.02}$	$6.08^{+0.41}_{-0.26}$	$81.02^{+0.93}_{-0.62}$

	$2.1605156^{+4.5e-06}_{-4.5e-06}$ Bento et al. (2017)	$4.33^{+0.04}_{-0.04}$ Bento et al. (2017)	– Bento et al. (2017)	–	
HATS-24b	$2458237.2874^{+0.0005}_{-0.0005}$ $1.3484963^{+7e-07}_{-7e-07}$ Kokori et al. (2022)	$6346.0^{+81.0}_{-81.0}$ $4.38^{+0.02}_{-0.02}$ Bento et al. (2017)	$0.131^{+0.003}_{-0.003}$ – Bento et al. (2017)	$4.67^{+0.1}_{-0.14}$ –	$86.6^{+1.2}_{-1.2}$
HATS-25b	$2456870.3695^{+0.0005}_{-0.0005}$ $4.298643^{+5e-06}_{-5e-06}$ Espinoza et al. (2016)	$5715.0^{+73.0}_{-73.0}$ $4.35^{+0.05}_{-0.05}$ Espinoza et al. (2016)	$0.117^{+0.003}_{-0.003}$ – Espinoza et al. (2016)	$10.0^{+0.6}_{-0.6}$ –	$86.9^{+0.7}_{-0.7}$
HATS-26b	$2456867.424^{+0.0012}_{-0.0012}$ $3.302388^{+8e-06}_{-8e-06}$ Espinoza et al. (2016)	$6071.0^{+81.0}_{-81.0}$ $3.94^{+0.05}_{-0.05}$ Espinoza et al. (2016)	$0.088^{+0.005}_{-0.005}$ – Espinoza et al. (2016)	$5.0^{+0.3}_{-0.3}$ –	$86.2^{+1.9}_{-1.9}$
HATS-27b	$2457029.3382^{+0.0011}_{-0.0011}$ $4.637038^{+1.4e-05}_{-1.4e-05}$ Espinoza et al. (2016)	$6438.0^{+64.0}_{-64.0}$ $4.11^{+0.05}_{-0.05}$ Espinoza et al. (2016)	$0.089^{+0.004}_{-0.004}$ – Espinoza et al. (2016)	$7.5^{+0.4}_{-0.6}$ –	$87.3^{+1.3}_{-1.3}$
HATS-29b	$2457851.8034^{+0.0005}_{-0.0005}$ $4.6058791^{+2.4e-06}_{-2.4e-06}$ Kokori et al. (2022)	$5670.0^{+110.0}_{-110.0}$ $4.39^{+0.03}_{-0.03}$ Espinoza et al. (2016)	$0.12^{+0.003}_{-0.003}$ – Espinoza et al. (2016)	$11.0^{+0.3}_{-0.3}$ –	$87.4^{+0.3}_{-0.3}$
HATS-2b	$2455954.58657^{+9e-05}_{-9e-05}$ $1.354133^{+1e-06}_{-1e-06}$ Mohler-Fischer et al. (2013)	$5227.0^{+95.0}_{-95.0}$ $4.48^{+0.02}_{-0.02}$ Mohler-Fischer et al. (2013)	$0.1335^{+0.001}_{-0.001}$ – Mohler-Fischer et al. (2013)	$5.5^{+0.09}_{-0.09}$ –	$87.2^{+0.7}_{-0.7}$
HATS-30b	$2457912.2004^{+0.0003}_{-0.0003}$ $3.1743516^{+7e-07}_{-7e-07}$ Kokori et al. (2022)	$5943.0^{+70.0}_{-70.0}$ $4.42^{+0.03}_{-0.03}$ Espinoza et al. (2016)	$0.1137^{+0.0017}_{-0.0017}$ – Espinoza et al. (2016)	$8.8^{+0.3}_{-0.3}$ –	$86.8^{+0.5}_{-0.5}$
HATS-31b	$2456960.1484^{+0.0011}_{-0.0011}$ $3.37796^{+1.2e-05}_{-1.2e-05}$ de Val-Borro et al. (2016)	$6050.0^{+120.0}_{-120.0}$ $4.0^{+0.07}_{-0.07}$ de Val-Borro et al. (2016)	$0.091^{+0.005}_{-0.005}$ – de Val-Borro et al. (2016)	$5.5^{+0.4}_{-0.4}$ –	$85.0^{+2.5}_{-1.6}$
HATS-33b	$2458090.7093^{+0.0005}_{-0.0005}$ $2.5495627^{+1.1e-06}_{-1.1e-06}$ Kokori et al. (2022)	$5659.0^{+85.0}_{-85.0}$ $4.45^{+0.04}_{-0.04}$ de Val-Borro et al. (2016)	$0.124^{+0.008}_{-0.008}$ – de Val-Borro et al. (2016)	$7.8^{+0.3}_{-0.3}$ –	$87.6^{+0.9}_{-0.9}$
HATS-34b	$2456634.8581^{+0.00075}_{-0.00075}$ $2.1061607^{+4.7e-06}_{-4.7e-06}$ de Val-Borro et al. (2016)	$5380.0^{+73.0}_{-73.0}$ $4.43^{+0.04}_{-0.04}$ de Val-Borro et al. (2016)	$0.15^{+0.014}_{-0.014}$ – de Val-Borro et al. (2016)	$6.96^{+0.34}_{-0.34}$ –	$82.28^{+0.43}_{-0.59}$
HATS-35b	$2457899.5875^{+0.0003}_{-0.0003}$ $1.8210014^{+6e-07}_{-6e-07}$ Kokori et al. (2022)	$6300.0^{+100.0}_{-100.0}$ $4.24^{+0.02}_{-0.02}$ de Val-Borro et al. (2016)	$0.1051^{+0.0012}_{-0.0012}$ – de Val-Borro et al. (2016)	$4.79^{+0.11}_{-0.16}$ –	$86.9^{+1.3}_{-1.3}$
HATS-39b	$2457315.2842^{+0.0006}_{-0.0006}$ $4.577635^{+7e-06}_{-7e-06}$ Bento et al. (2018)	$6572.0^{+83.0}_{-83.0}$ $4.16^{+0.04}_{-0.04}$ Bento et al. (2018)	$0.099^{+0.003}_{-0.003}$ – Bento et al. (2018)	$8.0^{+0.4}_{-0.4}$ –	$85.0^{+0.5}_{-0.5}$
HATS-3b	$2456155.96808^{+0.00014}_{-0.00014}$ $3.547851^{+5e-06}_{-5e-06}$ Bayliss et al. (2013)	$6351.0^{+76.0}_{-76.0}$ $4.22^{+0.01}_{-0.01}$ Bayliss et al. (2013)	$0.1011^{+0.0006}_{-0.0006}$ – Bayliss et al. (2013)	$7.42^{+0.12}_{-0.12}$ –	$86.2^{+0.3}_{-0.3}$
HATS-40b	$2456962.6768^{+0.001}_{-0.001}$ $3.264274^{+6e-06}_{-6e-06}$ Bento et al. (2018)	$6460.0^{+130.0}_{-130.0}$ $3.92^{+0.04}_{-0.04}$ Bento et al. (2018)	$0.072^{+0.003}_{-0.003}$ – Bento et al. (2018)	$4.74^{+0.22}_{-0.31}$ –	$85.8^{+1.8}_{-1.8}$
HATS-41b	$2456795.7248^{+0.0014}_{-0.0014}$	$6424.0^{+91.0}_{-91.0}$	$0.08^{+0.004}_{-0.004}$	$7.3^{+1.0}_{-1.0}$	$80.4^{+2.3}_{-4.2}$

	$4.193649^{+1.3e-05}_{-1.3e-05}$	$4.14^{+0.11}_{-0.11}$	$0.38^{+0.11}_{-0.11}$	$136.0^{+18.0}_{-18.0}$	
	Bento et al. (2018)	Bento et al. (2018)	Bento et al. (2018)		
HATS-42b	$2456768.60812^{+0.00069}_{-0.00069}$	$6060.0^{+120.0}_{-120.0}$	$0.0976^{+0.004}_{-0.004}$	$5.36^{+0.39}_{-0.56}$	$85.1^{+2.1}_{-2.1}$
	$2.292102^{+2.1e-06}_{-2.1e-06}$	$4.2^{+0.07}_{-0.07}$	–	–	
	Bento et al. (2018)	Bento et al. (2018)	Bento et al. (2018)		
HATS-43b	$2458039.86444^{+0.00022}_{-0.00022}$	$5099.0^{+61.0}_{-61.0}$	$0.1492^{+0.0017}_{-0.0017}$	$13.0^{+0.7}_{-0.4}$	$89.2^{+0.3}_{-0.4}$
	$4.3888499^{+1.4e-06}_{-1.4e-06}$	$4.54^{+0.04}_{-0.04}$	$0.17^{+0.09}_{-0.09}$	$330.0^{+120.0}_{-120.0}$	
	Kokori et al. (2022)	Brahm et al. (2018a)	Brahm et al. (2018a)		
HATS-45b	$2456731.1961^{+0.0007}_{-0.0007}$	$6450.0^{+110.0}_{-110.0}$	$0.1^{+0.004}_{-0.004}$	$9.0^{+0.4}_{-0.4}$	$85.6^{+0.4}_{-0.4}$
	$4.187624^{+6e-06}_{-6e-06}$	$4.3^{+0.04}_{-0.04}$	–	–	
	Brahm et al. (2018a)	Brahm et al. (2018a)	Brahm et al. (2018a)		
HATS-46b	$2457376.6862^{+0.0006}_{-0.0006}$	$5495.0^{+69.0}_{-69.0}$	$0.109^{+0.003}_{-0.003}$	$13.6^{+0.5}_{-0.7}$	$87.32^{+0.22}_{-0.31}$
	$4.742373^{+5e-06}_{-5e-06}$	$4.54^{+0.04}_{-0.04}$	–	–	
	Brahm et al. (2018a)	Brahm et al. (2018a)	Brahm et al. (2018a)		
HATS-48Ab	$2457100.55022^{+0.00045}_{-0.00045}$	$4546.0^{+23.0}_{-18.0}$	$0.1148^{+0.002}_{-0.002}$	$11.33^{+0.049}_{-0.049}$	$89.58^{+0.18}_{-0.18}$
	$3.1316666^{+3.7e-06}_{-3.7e-06}$	$4.591^{+0.039}_{-0.039}$	–	–	
	Hartman et al. (2020)	Hartman et al. (2020)	Hartman et al. (2020)		
HATS-4b	$2457086.8394^{+0.0003}_{-0.0003}$	$5403.0^{+50.0}_{-50.0}$	$0.113^{+0.003}_{-0.003}$	$8.43^{+0.17}_{-0.22}$	$88.5^{+0.6}_{-0.6}$
	$2.5167278^{+5e-07}_{-5e-07}$	$4.51^{+0.02}_{-0.02}$	–	–	
	Kokori et al. (2022)	Jordán et al. (2014)	Jordán et al. (2014)		
HATS-51b	$2457042.0049^{+0.0006}_{-0.0006}$	$5758.0^{+58.0}_{-58.0}$	$0.101^{+0.004}_{-0.004}$	$7.93^{+0.1*}_{-0.1}$	$87.1^{+1.6}_{-1.6}$
	$3.34887^{+4e-06}_{-4e-06}$	$4.2^{+0.09}_{-0.09}$	–	–	
	Henning et al. (2018)	Henning et al. (2018)	Henning et al. (2018)		
HATS-52b	$2456929.0312^{+0.0003}_{-0.0003}$	$6010.0^{+150.0}_{-150.0}$	$0.135^{+0.003}_{-0.003}$	$5.14^{+0.22}_{-0.22}$	$84.7^{+1.1}_{-1.1}$
	$1.3666544^{+9e-07}_{-9e-07}$	$4.45^{+0.03}_{-0.03}$	–	–	
	Henning et al. (2018)	Henning et al. (2018)	Henning et al. (2018)		
HATS-53b	$2457236.75732^{+0.00049}_{-0.00049}$	$5644.0^{+94.0}_{-94.0}$	$0.125^{+0.0028}_{-0.0028}$	$9.3^{+0.15}_{-0.22}$	$88.78^{+0.55}_{-0.55}$
	$3.8537768^{+3.8e-06}_{-3.8e-06}$	$4.34^{+0.02}_{-0.02}$	–	–	
	Henning et al. (2018)	Henning et al. (2018)	Henning et al. (2018)		
HATS-56b	$2457788.0037^{+0.0012}_{-0.0012}$	$6536.0^{+31.0}_{-31.0}$	$0.0789^{+0.0018}_{-0.0018}$	$5.902^{+0.085}_{-0.085}$	$83.29^{+0.21}_{-0.21}$
	$4.324799^{+2.7e-05}_{-2.7e-05}$	$3.95^{+0.01}_{-0.01}$	–	–	
	Espinoza et al. (2019b)	Espinoza et al. (2019b)	Espinoza et al. (2019b)		
HATS-57b	$2457778.49669^{+0.00025}_{-0.00025}$	$5587.0^{+19.0}_{-19.0}$	$0.1218^{+0.0023}_{-0.0023}$	$7.82^{+0.12}_{-0.12}$	$87.88^{+0.4}_{-0.4}$
	$2.350621^{+1.3e-06}_{-1.3e-06}$	$4.48^{+0.02}_{-0.02}$	–	–	
	Espinoza et al. (2019b)	Espinoza et al. (2019b)	Espinoza et al. (2019b)		
HATS-58Ab	$2457463.2999^{+0.0017}_{-0.0017}$	$7175.0^{+54.0}_{-54.0}$	$0.0786^{+0.0025}_{-0.0025}$	$8.71^{+0.3}_{-0.3}$	$85.69^{+0.33}_{-0.33}$
	$4.2180896^{+8.9e-06}_{-8.9e-06}$	$4.29^{+0.03}_{-0.03}$	–	–	
	Espinoza et al. (2019b)	Espinoza et al. (2019b)	Espinoza et al. (2019b)		
HATS-5b	$2456392.8762^{+0.0003}_{-0.0003}$	$5304.0^{+50.0}_{-50.0}$	$0.1076^{+0.0004}_{-0.0004}$	$13.4^{+0.3}_{-0.3}$	$89.3^{+0.3}_{-0.3}$
	$4.76339^{+3e-06}_{-3e-06}$	$4.53^{+0.02}_{-0.02}$	$0.019^{+0.019}_{-0.019}$	$204.0^{+107.0}_{-107.0}$	
	Kokori et al. (2022)	Zhou et al. (2014)	Zhou et al. (2014)		
HATS-60b	$2458015.7244^{+0.0008}_{-0.0008}$	$5688.0^{+20.0}_{-20.0}$	$0.081^{+0.003}_{-0.003}$	$6.93^{+0.11}_{-0.11}$	$86.3^{+0.3}_{-0.3}$
	$3.56083^{+3e-05}_{-3e-05}$	$4.15^{+0.01}_{-0.01}$	–	–	
	Hartman et al. (2019)	Hartman et al. (2019)	Hartman et al. (2019)		
HATS-64b	$2457769.8237^{+0.0008}_{-0.0008}$	$6554.0^{+27.0}_{-27.0}$	$0.0817^{+0.0024}_{-0.0024}$	$6.68^{+0.2}_{-0.2}$	$87.2^{+0.8}_{-0.8}$
	$4.908897^{+1.3e-05}_{-1.3e-05}$	$3.98^{+0.02}_{-0.02}$	–	–	
	Hartman et al. (2019)	Hartman et al. (2019)	Hartman et al. (2019)		
HATS-65b	$2457520.9621^{+0.0004}_{-0.0004}$	$6277.0^{+30.0}_{-30.0}$	$0.118^{+0.003}_{-0.003}$	$7.38^{+0.16}_{-0.16}$	$84.8^{+0.3}_{-0.3}$
	$3.105161^{+1.6e-06}_{-1.6e-06}$	$4.3^{+0.02}_{-0.02}$	–	–	
	Hartman et al. (2019)	Hartman et al. (2019)	Hartman et al. (2019)		

HATS-67b	$2457796.8821^{+0.0004}_{-0.0004}$	$1.609179^{+4e-06}_{-4e-06}$	Hartman et al. (2019)	$6594.0^{+33.0}_{-33.0}$	$4.28^{+0.01}_{-0.01}$	Hartman et al. (2019)	$0.1201^{+0.002}_{-0.002}$	$4.53^{+0.08}_{-0.08}$	$79.0^{+0.3}_{-0.3}$	–	–	Hartman et al. (2019)
HATS-68b	$2457410.4094^{+0.0011}_{-0.0011}$	$3.58622^{+5e-06}_{-5e-06}$	Hartman et al. (2019)	$6147.0^{+22.0}_{-22.0}$	$4.08^{+0.01}_{-0.01}$	Hartman et al. (2019)	$0.0725^{+0.0016}_{-0.0016}$	$6.23^{+0.09}_{-0.09}$	$83.21^{+0.19}_{-0.19}$	–	–	Hartman et al. (2019)
HATS-6b	$2456660.36771^{+0.00013}_{-0.00013}$	$3.325272^{+3e-06}_{-3e-06}$	Kokori et al. (2022)	$3724.0^{+18.0}_{-18.0}$	$4.68^{+0.01}_{-0.01}$	Hartman et al. (2015c)	$0.1798^{+0.0008}_{-0.0008}$	$13.65^{+0.15}_{-0.15}$	$88.21^{+0.08}_{-0.08}$	–	–	Hartman et al. (2015c)
HATS-70b	$2456911.87486^{+0.0008}_{-0.0008}$	$1.8882378^{+1.5e-06}_{-1.5e-06}$	Zhou et al. (2019b)	$7930.0^{+630.0}_{-820.0}$	$4.17^{+0.04}_{-0.04}$	Zhou et al. (2019b)	$0.074^{+0.0028}_{-0.0028}$	$4.17^{+0.16}_{-0.13}$	$86.7^{+1.6}_{-1.9}$	–	–	Zhou et al. (2019b)
HATS-72b	$2458087.64782^{+7.5e-05}_{-7.5e-05}$	$7.3279474^{+1.6e-06}_{-1.6e-06}$	Hartman et al. (2020)	$4656.1^{+8.9}_{-8.9}$	$4.59^{+0.0}_{-0.0}$	Hartman et al. (2020)	$0.1029^{+0.00034}_{-0.00034}$	$19.821^{+0.048}_{-0.048}$	$89.56^{+0.07}_{-0.05}$	–	–	Hartman et al. (2020)
HATS-7b	$2456528.2978^{+0.0006}_{-0.0006}$	$3.185315^{+5e-06}_{-5e-06}$	Bakos et al. (2015b)	$4985.0^{+50.0}_{-50.0}$	$4.54^{+0.05}_{-0.05}$	Bakos et al. (2015b)	$0.0711^{+0.0019}_{-0.0019}$	$10.6^{+0.5}_{-0.7}$	$87.9^{+0.8}_{-0.8}$	–	–	Bakos et al. (2015b)
HD106315c	$2457611.132^{+0.004}_{-0.004}$	$21.0568^{+0.0005}_{-0.0005}$	Lendl et al. (2017b)	$6290.0^{+60.0}_{-60.0}$	$4.29^{+0.07}_{-0.07}$	Crossfield et al. (2017)	$0.0303^{+0.0016}_{-0.0016}$	$33.4^{+1.9}_{-5.3}$	$89.4^{+0.4}_{-0.7}$	–	–	Crossfield et al. (2017)
HD108236b	$2458572.1128^{+0.0031}_{-0.0031}$	$3.79523^{+0.00047}_{-0.00047}$	Daylan et al. (2021)	$5730.0^{+50.0}_{-50.0}$	$4.5^{+0.5}_{-0.5}$	Daylan et al. (2021)	$0.01638^{+0.00095}_{-0.00095}$	$11.35^{+0.34}_{-0.34}$	$87.88^{+1.3}_{-0.87}$	$0.2^{+0.3}_{-0.14}$	$190.0^{+140.0}_{-140.0}$	Daylan et al. (2021)
HD108236c	$2458572.3949^{+0.0025}_{-0.0025}$	$6.2037^{+0.00064}_{-0.00064}$	Daylan et al. (2021)	$5730.0^{+50.0}_{-50.0}$	$4.5^{+0.5}_{-0.5}$	Daylan et al. (2021)	$0.02134^{+0.00094}_{-0.00094}$	$16.6^{+0.5*}_{-0.4}$	$88.72^{+0.82}_{-0.74}$	$0.18^{+0.34}_{-0.14}$	$210.0^{+120.0}_{-120.0}$	Daylan et al. (2021)
HD108236d	$2458571.3368^{+0.0015}_{-0.0015}$	$14.17555^{+0.00099}_{-0.00099}$	Daylan et al. (2021)	$5730.0^{+50.0}_{-50.0}$	$4.5^{+0.5}_{-0.5}$	Daylan et al. (2021)	$0.02805^{+0.00095}_{-0.00095}$	$27.39^{+0.78}_{-0.82}$	$89.22^{+0.45}_{-0.38}$	$0.17^{+0.3}_{-0.12}$	$190.0^{+140.0}_{-130.0}$	Daylan et al. (2021)
HD108236e	$2458586.5677^{+0.0014}_{-0.0014}$	$19.5917^{+0.0022}_{-0.0022}$	Daylan et al. (2021)	$5730.0^{+50.0}_{-50.0}$	$4.5^{+0.5}_{-0.5}$	Daylan et al. (2021)	$0.0323^{+0.0012}_{-0.0012}$	$33.9^{+1.0}_{-1.1}$	$89.32^{+0.42}_{-0.3}$	$0.2^{+0.3}_{-0.13}$	$170.0^{+150.0}_{-130.0}$	Daylan et al. (2021)
HD110113b	$2458570.101^{+0.004}_{-0.004}$	$2.541^{+0.0005}_{-0.0005}$	Osborn et al. (2021b)	$5732.0^{+50.0}_{-50.0}$	$4.46^{+0.05}_{-0.05}$	Osborn et al. (2021b)	$0.018^{+0.001}_{-0.001}$	$7.75^{+0.22}_{-0.22}$	$87.69^{+1.61}_{-1.94}$	$0.093^{+0.079}_{-0.064}$	$359.53^{+0.68}_{-0.68}$	Osborn et al. (2021b)
HD149026b	$2454456.78835^{+0.00014}_{-0.00014}$	$2.875891^{+3e-06}_{-3e-06}$	Carter et al. (2009)	$6160.0^{+50.0}_{-50.0}$	$4.28^{+0.04}_{-0.06}$	Torres et al. (2008)	$0.0542^{+0.0009}_{-0.0009}$	$6.01^{+0.17}_{-0.23}$	$84.5^{+0.3}_{-0.8}$	–	–	Carter et al. (2009)
HD17156b	$2454884.02895^{+7e-05}_{-7e-05}$	$21.216398^{+1.6e-05}_{-1.6e-05}$	Nutzman et al. (2011)	$6100.0^{+75.0}_{-75.0}$	$4.22^{+0.05}_{-0.05}$	Barbieri et al. (2009)	$0.0745^{+0.0003}_{-0.0003}$	$23.2^{+0.3}_{-0.3}$	$86.49^{+0.24}_{-0.2}$	$0.677^{+0.003}_{-0.003}$	$121.7^{+0.4}_{-0.4}$	Nutzman et al. (2011)
HD189733b	$2454403.67771^{+3e-05}_{-3e-05}$	$2.21857519^{+1.4e-07}_{-1.4e-07}$	Kokori et al. (2022)	$5040.0^{+50.0}_{-50.0}$	$4.59^{+0.01}_{-0.01}$	Torres et al. (2008)	$0.15534^{+0.00011}_{-0.00011}$	$8.92^{+0.03}_{-0.03}$	$85.78^{+0.03}_{-0.03}$	–	–	Morello et al. (2014)
HD191939b	$2458715.35554^{+0.00064}_{-0.00064}$	$8.880403^{+7e-05}_{-7e-05}$	Badenas-Agusti et al. (2020)	$5427.0^{+50.0}_{-50.0}$	$4.4^{+0.1}_{-0.1}$	Badenas-Agusti et al. (2020)	$0.03343^{+0.00043}_{-0.00043}$	$18.67^{+3.94}_{-3.18}$	$88.18^{+0.21}_{-0.21}$	–	–	Badenas-Agusti et al. (2020)

HD191939c	$2458726.0531^{+0.0011}_{-0.0011}$ $28.58059^{+0.00045}_{-0.00045}$ Badenas-Agusti et al. (2020)	$5427.0^{+50.0}_{-50.0}$ $4.4^{+0.1}_{-0.1}$ Badenas-Agusti et al. (2020)	$0.03158^{+0.00054}_{-0.00054}$ – Badenas-Agusti et al. (2020)	$40.49^{+7.7}_{-6.51}$ –	$89.124^{+0.091}_{-0.097}$
HD202772Ab	$2458338.61047^{+0.00024}_{-0.00024}$ $3.30896^{+8e-05}_{-8e-05}$ Wang et al. (2019a)	$6272.0^{+77.0}_{-71.0}$ $3.85^{+0.03}_{-0.03}$ Wang et al. (2019a)	$0.0613^{+0.0008}_{-0.0008}$ $0.04^{+0.04}_{-0.03}$ Wang et al. (2019a)	$4.27^{+0.05}_{-0.05}$* $98.0^{+65.0}_{-52.0}$	$84.5^{+1.1}_{-0.8}$
HD209458b	$2455015.49844^{+0.00012}_{-0.00012}$ $3.5247499^{+3e-07}_{-3e-07}$ Kokori et al. (2022)	$6065.0^{+50.0}_{-50.0}$ $4.36^{+0.01}_{-0.01}$ Torres et al. (2008)	$0.12086^{+0.0001}_{-0.0001}$ – Torres et al. (2008)	$8.76^{+0.04}_{-0.04}$ –	$86.71^{+0.05}_{-0.05}$
HD219134b	$2457126.6991^{+0.0009}_{-0.0009}$ $3.092926^{+1e-05}_{-1e-05}$ Gillon et al. (2017)	$4699.0^{+16.0}_{-16.0}$ $4.63^{+0.1}_{-0.1}$ Motalebi et al. (2015)	$0.0189^{+0.0006}_{-0.0006}$ – Gillon et al. (2017)	$10.714^{+0.006}_{-0.006}$ –	$85.05^{+0.09}_{-0.09}$
HD219666b	$2458329.1996^{+0.0012}_{-0.0012}$ $6.0361^{+0.0006}_{-0.0006}$ Esposito et al. (2019)	$5527.0^{+65.0}_{-65.0}$ $4.4^{+0.11}_{-0.11}$ Esposito et al. (2019)	$0.0419^{+0.0008}_{-0.0008}$ – Esposito et al. (2019)	$13.3^{+0.4}_{-0.4}$ –	$86.38^{+0.15}_{-0.15}$
HD2685b	$2458325.78297^{+0.0002}_{-0.0002}$ $4.12688^{+5e-05}_{-5e-05}$ Jones et al. (2019)	$6801.0^{+76.0}_{-76.0}$ $4.21^{+0.03}_{-0.03}$ Jones et al. (2019)	$0.09467^{+0.00033}_{-0.00033}$ $0.091^{+0.039}_{-0.047}$ Jones et al. (2019)	$7.697^{+0.069}_{-0.054}$ $184.36^{+6.27}_{-6.56}$	$89.25^{+0.41}_{-0.44}$
HD332231b	$2458729.67987^{+0.00038}_{-0.00038}$ $18.71204^{+0.00043}_{-0.00043}$ Dalba et al. (2020)	$6089.0^{+97.0}_{-96.0}$ $4.279^{+0.027}_{-0.034}$ Dalba et al. (2020)	$0.06976^{+0.00041}_{-0.00041}$ $0.032^{+0.03}_{-0.022}$ Dalba et al. (2020)	$24.21^{+0.62}_{-0.78}$ $47.0^{+69.0}_{-74.0}$	$89.68^{+0.22}_{-0.28}$
HD5278b	$2458680.69932^{+0.00083}_{-0.00083}$ $14.339156^{+4.9e-05}_{-4.9e-05}$ Sozzetti et al. (2021)	$6203.0^{+64.0}_{-64.0}$ $4.5^{+0.11}_{-0.11}$ Sozzetti et al. (2021)	$0.01874^{+0.0003}_{-0.0003}$ $0.08^{+0.09}_{-0.05}$ Sozzetti et al. (2021)	$21.2^{+1.3}_{-1.0}$* $135.0^{+34.0}_{-280.0}$	$89.27^{+0.47}_{-0.48}$
HD63433b	$2458916.4526^{+0.0032}_{-0.0032}$ $7.10793^{+0.0004}_{-0.0004}$ Mann et al. (2020)	$5640.0^{+74.0}_{-74.0}$ $4.515^{+0.042}_{-0.042}$ Mann et al. (2020)	$0.02161^{+0.00055}_{-0.00055}$ – Mann et al. (2020)	$16.95^{+0.34}_{-0.82}$ –	$89.38^{+0.43}_{-0.64}$
HD63433c	$2458844.05799^{+0.00084}_{-0.00084}$ $20.5453^{+0.0012}_{-0.0012}$ Mann et al. (2020)	$5640.0^{+74.0}_{-74.0}$ $4.515^{+0.042}_{-0.042}$ Mann et al. (2020)	$0.02687^{+0.0007}_{-0.0007}$ – Mann et al. (2020)	$34.38^{+0.69}_{-2.0}$ –	$89.147^{+0.069}_{-0.2}$
HD86226c	$2458543.2539^{+0.0007}_{-0.0007}$ $3.98442^{+0.00018}_{-0.00018}$ Teske et al. (2020)	$5863.0^{+88.0}_{-88.0}$ $4.4^{+0.03}_{-0.03}$ Teske et al. (2020)	$0.0188^{+0.0019}_{-0.0019}$ $0.075^{+0.065}_{-0.048}$ Teske et al. (2020)	$10.11^{+0.07}_{-0.08}$ $196.0^{+60.0}_{-90.0}$	$86.45^{+0.26}_{-0.16}$
HD89345b	$2457913.804^{+0.0006}_{-0.0006}$ $11.814^{+0.0009}_{-0.0009}$ Van Eylen et al. (2018)	$5499.0^{+73.0}_{-73.0}$ $4.04^{+0.01}_{-0.0}$ Van Eylen et al. (2018)	$0.0378^{+0.0006}_{-0.0006}$ $0.2^{+0.03}_{-0.03}$ Van Eylen et al. (2018)	$14.68^{+0.19}_{-0.19}$* $345.1^{+20.0}_{-20.0}$	$87.9^{+0.3}_{-0.3}$
HD97658b	$2456665.4641^{+0.0008}_{-0.0008}$ $9.48926^{+6e-05}_{-6e-05}$ Knutson et al. (2014b)	$5170.0^{+44.0}_{-44.0}$ $4.63^{+0.06}_{-0.06}$ Howard et al. (2011)	$0.0311^{+0.0008}_{-0.0008}$ – Knutson et al. (2014b)	$26.2^{+1.2}_{-1.2}$ –	$89.8^{+0.5}_{-0.5}$
HIP65Ab	$2458326.10418^{+0.00011}_{-0.00011}$ $0.9809734^{+3.1e-06}_{-3.1e-06}$ Nielsen et al. (2020a)	$4590.0^{+49.0}_{-49.0}$ $4.61^{+0.01}_{-0.01}$ Nielsen et al. (2020a)	$0.287^{+0.088}_{-0.088}$ – Nielsen et al. (2020a)	$5.289^{+0.051}_{-0.045}$ –	$77.18^{+0.92}_{-1.0}$
K2-107b	$2457304.52525^{+0.00013}_{-0.00013}$ $3.313921^{+1e-05}_{-1e-05}$ Mayo et al. (2018)	$6030.0^{+120.0}_{-120.0}$ $4.07^{+0.1}_{-0.1}$ Eigmüller et al. (2017)	$0.083^{+0.001}_{-0.001}$ – Eigmüller et al. (2017)	$5.68^{+0.04}_{-0.04}$* –	$81.9^{+0.7}_{-0.7}$
K2-113b	$2457392.88684^{+0.00019}_{-0.00019}$ $5.81761^{+3e-05}_{-3e-05}$ Espinoza et al. (2017)	$5627.0^{+88.0}_{-88.0}$ $4.4^{+0.15}_{-0.15}$ Espinoza et al. (2017)	$0.0911^{+0.0008}_{-0.0008}$ – Espinoza et al. (2017)	$11.4^{+0.3}_{-0.3}$ –	$86.21^{+0.2}_{-0.21}$

K2-115b	$2457157.1578^{+0.0003}_{-0.0003}$ $20.27303^{+4e-05}_{-4e-05}$ Shporer et al. (2017)	$5560.0^{+56.0}_{-58.0}$ $4.46^{+0.06}_{-0.04}$ Shporer et al. (2017)	$0.1254^{+0.0011}_{-0.0011}$ $0.14^{+0.07}_{-0.07}$ Shporer et al. (2017)	$32.4^{+0.7}_{-0.4}$* $104.0^{+41.0}_{-52.0}$	$88.82^{+0.15}_{-0.15}$
K2-116b	$2456979.9496^{+0.0043}_{-0.0043}$ $4.655335^{+0.000513}_{-0.000513}$ Mayo et al. (2018)	$4348.35^{+86.1}_{-87.78}$ $4.624^{+0.082}_{-0.085}$ Dressing et al. (2017)	$0.0096^{+0.0012}_{-0.0012}$ – Mayo et al. (2018)	$13.8^{+2.88}_{-5.35}$ –	$87.8^{+1.6}_{-3.6}$
K2-121b	$2457143.56126^{+0.0001}_{-0.0001}$ $5.185759^{+1.4e-05}_{-1.4e-05}$ Mayo et al. (2018)	$4471.4^{+111.6}_{-103.6}$ $4.52^{+0.06}_{-0.06}$ Dressing et al. (2017)	$0.109^{+0.005}_{-0.005}$ $0.22^{+0.19}_{-0.18}$ Dressing et al. (2017)	$14.46^{+0.16}_{-0.12}$* $73.0^{+64.9}_{-104.5}$	$87.2^{+0.9}_{-0.5}$
K2-132b	$2457608.53^{+0.009}_{-0.009}$ $9.171^{+0.003}_{-0.003}$ Jones et al. (2018)	$4840.0^{+90.0}_{-90.0}$ $3.3^{+0.01}_{-0.01}$ Grunblatt et al. (2017)	$0.0279^{+0.0011}_{-0.0011}$ $0.29^{+0.05}_{-0.05}$ Jones et al. (2018)	$4.8^{+0.5}_{-0.5}$ $82.6^{+4.0}_{-4.2}$	$77.5^{+0.5}_{-0.5}$
K2-136c	$2457830.024^{+0.003}_{-0.003}$ $17.3077^{+0.0013}_{-0.0013}$ Ciardi et al. (2018)	$4364.0^{+70.0}_{-70.0}$ $4.63^{+0.11}_{-0.11}$ Ciardi et al. (2018)	$0.0385^{+0.0047}_{-0.0047}$ – Ciardi et al. (2018)	$34.8^{+3.6}_{-7.2}$ –	$89.3^{+0.5}_{-0.8}$
K2-140b	$2457588.28509^{+5e-05}_{-5e-05}$ $6.56919^{+3e-05}_{-3e-05}$ Korth et al. (2019)	$5654.0^{+55.0}_{-55.0}$ $4.45^{+0.01}_{-0.01}$ Giles et al. (2018)	$0.117^{+0.001}_{-0.001}$ – Korth et al. (2019)	$13.84^{+0.04}_{-0.07}$* –	$88.3^{+0.1}_{-0.1}$
K2-155c	$2457814.565^{+0.003}_{-0.003}$ $13.854^{+0.0009}_{-0.0009}$ Hirano et al. (2018)	$3919.0^{+70.0}_{-70.0}$ $4.73^{+0.05}_{-0.05}$ Hirano et al. (2018)	$0.0339^{+0.0031}_{-0.0031}$ – Hirano et al. (2018)	$30.0^{+6.2}_{-9.8}$ –	$88.9^{+0.8}_{-0.8}$
K2-198b	$2457221.6126^{+0.0007}_{-0.0007}$ $17.0432^{+0.0003}_{-0.0003}$ Mayo et al. (2018)	$5262.0^{+50.0}_{-50.0}$ $4.63^{+0.1}_{-0.1}$ Mayo et al. (2018)	$0.0485^{+0.0023}_{-0.0023}$ – Mayo et al. (2018)	$42.0^{+4.1}_{-8.4}$ –	$89.4^{+0.4}_{-0.6}$
K2-198d	$2457213.5759^{+0.001}_{-0.001}$ $7.4500177^{+5.2e-06}_{-5.2e-06}$ Hedges et al. (2019)	$5212.9^{+99.0}_{-49.2}$ $4.582^{+0.065}_{-0.064}$ Mayo et al. (2018)	$0.022^{+0.00057}_{-0.00057}$ – Hedges et al. (2019)	$19.5^{+1.5}_{-1.5}$* –	$89.86^{+0.68}_{-0.3}$
K2-199c	$2457222.9308^{+0.0007}_{-0.0007}$ $7.3745^{+0.00013}_{-0.00013}$ Mayo et al. (2018)	$4681.0^{+50.0}_{-50.0}$ $4.69^{+0.1}_{-0.1}$ Mayo et al. (2018)	$0.039^{+0.0021}_{-0.0021}$ – Mayo et al. (2018)	$22.1^{+2.0}_{-4.8}$ –	$88.9^{+0.8}_{-1.3}$
K2-19b	$2456813.37624^{+0.0005}_{-0.0005}$ $7.920994^{+7.1e-05}_{-7.1e-05}$ Narita et al. (2015)	$5430.0^{+60.0}_{-60.0}$ $4.63^{+0.1}_{-0.1}$ Sinukoff et al. (2016)	$0.0754^{+0.0006}_{-0.0006}$ – Sinukoff et al. (2016)	$19.66^{+0.27}_{-0.27}$* –	$89.5^{+0.4}_{-0.4}$
K2-232b	$2457858.85681^{+5e-05}_{-5e-05}$ $11.168459^{+1.7e-05}_{-1.7e-05}$ Yu et al. (2018b)	$6154.0^{+60.0}_{-60.0}$ $4.38^{+0.02}_{-0.02}$ Brahm et al. (2018b)	$0.0887^{+0.0004}_{-0.0004}$ $0.26^{+0.03}_{-0.03}$ Brahm et al. (2018b)	$19.2^{+0.3}_{-0.3}$ $207.0^{+3.6}_{-3.8}$	$89.14^{+0.13}_{-0.11}$
K2-233d	$2458005.581^{+0.003}_{-0.003}$ $24.3662^{+0.0021}_{-0.0021}$ David et al. (2018a)	$4950.0^{+100.0}_{-100.0}$ $4.71^{+0.1}_{-0.1}$ David et al. (2018a)	$0.0325^{+0.0008}_{-0.0008}$ – David et al. (2018a)	$44.2^{+1.6}_{-1.8}$ –	$89.35^{+0.12}_{-0.11}$
K2-237b	$2457861.4341^{+0.00013}_{-0.00013}$ $2.180533^{+7e-07}_{-7e-07}$ Kokori et al. (2022)	$6257.0^{+100.0}_{-100.0}$ $4.24^{+0.1}_{-0.1}$ Soto et al. (2018)	$0.118^{+0.002}_{-0.002}$ – Soto et al. (2018)	$5.4^{+0.04}_{-0.05}$* –	$84.3^{+0.7}_{-0.4}$
K2-238b	$2457740.5044^{+0.0004}_{-0.0004}$ $3.20466^{+3e-05}_{-3e-05}$ Soto et al. (2018)	$5630.0^{+78.0}_{-78.0}$ $4.11^{+0.07}_{-0.07}$ Soto et al. (2018)	$0.08^{+0.003}_{-0.003}$ – Soto et al. (2018)	$6.3^{+0.7}_{-0.5}$ –	$84.5^{+1.8}_{-1.5}$
K2-25b	$2457620.11054^{+8e-05}_{-8e-05}$ $3.4845627^{+9e-07}_{-9e-07}$ Kokori et al. (2022)	$3180.0^{+60.0}_{-60.0}$ $4.98^{+0.07}_{-0.07}$ Mann et al. (2016)	$0.106^{+0.029}_{-0.029}$ $0.27^{+0.16}_{-0.21}$ Mann et al. (2016)	$25.1^{+4.1}_{-4.1}$* $62.0^{+44.0}_{-39.0}$	$88.3^{+1.2}_{-0.7}$
K2-260b	$2457836.49912^{+0.0001}_{-0.0001}$	$6367.0^{+250.0}_{-250.0}$	$0.0973^{+0.0003}_{-0.0003}$	$5.18^{+0.06}_{-0.06}$*	$88.7^{+0.9}_{-1.0}$

	$2.6266974^{+1.7e-06}_{-1.7e-06}$	$4.125^{+0.024}_{-0.024}$	–	–	
	Kokori et al. (2022)	Johnson et al. (2018a)	Johnson et al. (2018a)		
K2-261b	$2457906.8416^{+0.0007}_{-0.0007}$	$5537.0^{+71.0}_{-71.0}$	$0.0529^{+0.001}_{-0.001}$	$13.3^{+2.4}_{-2.6}$	$88.4^{+1.1}_{-1.9}$
	$11.63344^{+0.00012}_{-0.00012}$	$4.21^{+0.11}_{-0.11}$	$0.39^{+0.15}_{-0.15}$	$143.0^{+18.0}_{-18.0}$	
	Johnson et al. (2018a)	Johnson et al. (2018a)	Johnson et al. (2018a)		
K2-266d	$2457944.8393^{+0.0012}_{-0.0012}$	$4285.0^{+49.0}_{-57.0}$	$0.0383^{+0.0007}_{-0.0007}$	$31.7^{+1.1}_{-1.2}$	$89.46^{+0.32}_{-0.25}$
	$14.697^{+0.0003}_{-0.0003}$	$4.58^{+0.03}_{-0.04}$	$0.05^{+0.04}_{-0.03}$	$87.0^{+62.0}_{-62.0}$	
	Rodriguez et al. (2018b)	Rodriguez et al. (2018b)	Rodriguez et al. (2018b)		
K2-284b	$2457859.11316^{+0.00043}_{-0.00043}$	$4140.0^{+50.0}_{-50.0}$	$0.042^{+0.0013}_{-0.0013}$	$16.84^{+0.62}_{-0.7}$	$89.0^{+0.65}_{-0.62}$
	$4.795069^{+8.6e-05}_{-8.6e-05}$	$4.67^{+0.01}_{-0.01}$	$0.078^{+0.108}_{-0.055}$	$180.2^{+126.4}_{-129.6}$	
	David et al. (2018b)	David et al. (2018b)	David et al. (2018b)		
K2-295b	$2457395.4140498^{+1.2e-06}_{-1.2e-06}$	$4444.0^{+70.0}_{-70.0}$	$0.1304^{+0.0014}_{-0.0014}$	$13.76^{+0.19}_{-0.44}$	$89.3^{+0.46}_{-0.62}$
	$4.024867^{+1.5e-05}_{-1.5e-05}$	$4.63^{+0.12}_{-0.12}$	–	–	
	Smith et al. (2019)	Smith et al. (2019)	Smith et al. (2019)		
K2-29b	$2458508.0943^{+0.0003}_{-0.0003}$	$5358.0^{+38.0}_{-38.0}$	$0.1419^{+0.0006}_{-0.0006}$	$10.51^{+0.15}_{-0.15}$	$86.66^{+0.11}_{-0.08}$
	$3.2588315^{+9e-07}_{-9e-07}$	$4.54^{+0.01}_{-0.01}$	$0.066^{+0.022}_{-0.022}$	$132.0^{+21.0}_{-21.0}$	
	Kokori et al. (2022)	Santerne et al. (2016)	Santerne et al. (2016)		
K2-30b	$2457395.78391^{+0.00013}_{-0.00013}$	$5425.0^{+40.0}_{-40.0}$	$0.1266^{+0.0016}_{-0.0016}$	$12.3^{+0.4}_{-0.4}$	$86.92^{+0.26}_{-0.24}$
	$4.0984791^{+7e-07}_{-7e-07}$	$4.54^{+0.03}_{-0.03}$	–	–	
	Kokori et al. (2022)	Johnson et al. (2016)	Johnson et al. (2016)		
K2-31b	$2457191.70967^{+0.00024}_{-0.00024}$	$5280.0^{+70.0}_{-70.0}$	$0.14^{+0.04}_{-0.04}$	$5.642^{+0.007*}_{-0.007}$	$79.9^{+0.8}_{-0.8}$
	$1.25785^{+2e-06}_{-2e-06}$	$4.6^{+0.07}_{-0.07}$	–	–	
	Dai et al. (2016)	Grziwa et al. (2016)	Grziwa et al. (2016)		
K2-333b	$2458097.39598^{+0.00077}_{-0.00077}$	$6070.0^{+190.0}_{-190.0}$	$0.0461^{+0.001}_{-0.001}$	$23.06^{+0.72}_{-2.14}$	$89.35^{+0.45}_{-0.77}$
	$14.75929^{+0.00024}_{-0.00024}$	$4.32^{+0.04}_{-0.04}$	–	–	
	de Leon et al. (2021)	Yu et al. (2018c)	de Leon et al. (2021)		
K2-334b	$2458096.81023^{+0.00055}_{-0.00055}$	$6890.0^{+340.0}_{-340.0}$	$0.0343^{+0.0018}_{-0.0018}$	$15.35^{+1.09}_{-3.58}$	$88.58^{+0.97}_{-2.46}$
	$5.113981^{+6.1e-05}_{-6.1e-05}$	$4.27^{+0.04}_{-0.04}$	–	–	
	de Leon et al. (2021)	Yu et al. (2018c)	de Leon et al. (2021)		
K2-34b	$2457144.34781^{+8e-05}_{-8e-05}$	$6087.0^{+38.0}_{-38.0}$	$0.0887^{+0.0012}_{-0.0012}$	$6.7^{+0.4}_{-0.3}$	$83.0^{+0.7}_{-0.6}$
	$2.995629^{+6e-06}_{-6e-06}$	$4.11^{+0.07}_{-0.07}$	–	–	
	Brahm et al. (2016b)	Hirano et al. (2016)	Hirano et al. (2016)		
K2-55b	$2456983.4238^{+0.001}_{-0.001}$	$4456.0^{+148.0}_{-148.0}$	$0.0561^{+0.0016}_{-0.0016}$	$10.5^{+0.6}_{-0.6}$	$88.2^{+1.1}_{-1.0}$
	$2.84927^{+3e-05}_{-3e-05}$	$4.67^{+0.05}_{-0.05}$	$0.07^{+0.13}_{-0.06}$	$23.9^{+115.4}_{-140.3}$	
	Dressing et al. (2017)	Crossfield et al. (2016)	Dressing et al. (2017)		
KELT-10b	$2457066.7204^{+0.0003}_{-0.0003}$	$5948.0^{+74.0}_{-74.0}$	$0.119^{+0.0014}_{-0.0014}$	$9.34^{+0.21}_{-0.32}$	$88.6^{+0.9}_{-0.7}$
	$4.166274^{+6e-06}_{-6e-06}$	$4.32^{+0.02}_{-0.03}$	–	–	
	Kuhn et al. (2016)	Kuhn et al. (2016)	Kuhn et al. (2016)		
KELT-11b	$2457483.431^{+0.0007}_{-0.0007}$	$5370.0^{+51.0}_{-50.0}$	$0.051^{+0.004}_{-0.004}$	$4.98^{+0.05}_{-0.05}$	$85.3^{+0.2}_{-0.2}$
	4.7361^{+3e-05}_{-3e-05}	$3.73^{+0.04}_{-0.05}$	$0.0007^{+0.002}_{-0.0005}$	$359.0^{+147.4}_{-74.6}$	
	Beatty et al. (2017b)	Pepper et al. (2017)	Beatty et al. (2017b)		
KELT-12b	$2457083.6605^{+0.0009}_{-0.0009}$	$6279.0^{+51.0}_{-51.0}$	$0.0772^{+0.0019}_{-0.0019}$	$6.1^{+0.4}_{-0.4}$	$84.5^{+1.1}_{-0.9}$
	$5.03162^{+3e-05}_{-3e-05}$	$3.89^{+0.05}_{-0.05}$	–	–	
	Stevens et al. (2017)	Stevens et al. (2017)	Stevens et al. (2017)		
KELT-14b	$2457091.0286^{+0.0005}_{-0.0005}$	$5720.0^{+130.0}_{-130.0}$	$0.1177^{+0.0012}_{-0.0012}$	$4.25^{+0.07}_{-0.07}$	$78.3^{+0.3}_{-0.3}$
	$1.710059^{+3e-06}_{-3e-06}$	$4.17^{+0.02}_{-0.02}$	–	–	
	Rodriguez et al. (2016)	Turner et al. (2016b)	Turner et al. (2016b)		
KELT-15b	$2458564.05392^{+0.0002}_{-0.0002}$	$6003.0^{+56.0}_{-52.0}$	$0.1001^{+0.0022}_{-0.0022}$	$6.7^{+0.14}_{-0.35}$	$88.3^{+1.2}_{-1.7}$
	$3.329475^{+4e-06}_{-4e-06}$	$4.17^{+0.02}_{-0.04}$	–	–	
	Kokori et al. (2022)	Rodriguez et al. (2016)	Rodriguez et al. (2016)		

KELT-16b	$2458136.78366^{+0.00011}_{-0.00011}$	$6236.0^{+54.0}_{-54.0}$	$0.107^{+0.0013}_{-0.0013}$	$3.23^{+0.12}_{-0.13}$	$84.4^{+3.0}_{-2.3}$
	$0.96899328^{+1.9e-07}_{-1.9e-07}$	$4.25^{+0.03}_{-0.04}$	–	–	
	Kokori et al. (2022)	Oberst et al. (2017)	Oberst et al. (2017)		
KELT-17b	$2457287.74564^{+0.0003}_{-0.0003}$	$7454.0^{+49.0}_{-49.0}$	$0.09526^{+0.00088}_{-0.00088}$	$6.38^{+0.18}_{-0.18}$	$84.87^{+0.45}_{-0.43}$
	$3.0801716^{+5.3e-06}_{-5.3e-06}$	$4.22^{+0.02}_{-0.02}$	–	–	
	Zhou et al. (2016)	Zhou et al. (2016)	Zhou et al. (2016)		
KELT-18b	$2457838.3101^{+0.0004}_{-0.0004}$	$6670.0^{+120.0}_{-120.0}$	$0.0846^{+0.0009}_{-0.0009}$	$5.14^{+0.04}_{-0.08}$	$88.9^{+0.8}_{-1.2}$
	$2.8717023^{+1.9e-06}_{-1.9e-06}$	$4.06^{+0.01}_{-0.01}$	–	–	
	Kokori et al. (2022)	McLeod et al. (2017)	McLeod et al. (2017)		
KELT-19Ab	$2457281.24954^{+0.00036}_{-0.00036}$	$7500.0^{+110.0}_{-110.0}$	$0.10713^{+0.00092}_{-0.00092}$	$7.5^{+0.2}_{-0.18}$	$85.41^{+0.34}_{-0.31}$
	$4.6117093^{+8.8e-06}_{-8.8e-06}$	$4.13^{+0.03}_{-0.03}$	–	–	
	Siverd et al. (2018)	Siverd et al. (2018)	Siverd et al. (2018)		
KELT-1b	$2456981.90516^{+0.00014}_{-0.00014}$	$6518.0^{+50.0}_{-50.0}$	$0.0771^{+0.0003}_{-0.0003}$	$3.69^{+0.04}_{-0.04}$	$86.8^{+0.8}_{-0.8}$
	$1.21749399^{+1.6e-07}_{-1.6e-07}$	$4.23^{+0.03}_{-0.03}$	$0.0013^{+0.0005}_{-0.0005}$	$358.0^{+51.0}_{-51.0}$	
	Kokori et al. (2022)	Siverd et al. (2012)	Beatty et al. (2019)		
KELT-20b	$2457503.12005^{+0.00019}_{-0.00019}$	$8720.0^{+250.0}_{-260.0}$	$0.1144^{+0.00062}_{-0.00062}$	$7.5^{+0.05}_{-0.05}$	$86.12^{+0.28}_{-0.27}$
	$3.4741085^{+1.9e-06}_{-1.9e-06}$	$4.29^{+0.02}_{-0.02}$	–	–	
	Lund et al. (2017)	Lund et al. (2017)	Lund et al. (2017)		
KELT-21b	$2457382.64073^{+0.00041}_{-0.00041}$	$7598.0^{+81.0}_{-84.0}$	$0.09952^{+0.00071}_{-0.00071}$	$6.86^{+0.13}_{-0.12}$	$86.46^{+0.38}_{-0.34}$
	$3.6127628^{+3.8e-06}_{-3.8e-06}$	$4.173^{+0.015}_{-0.014}$	–	–	
	Johnson et al. (2018b)	Johnson et al. (2018b)	Johnson et al. (2018b)		
KELT-23Ab	$2458140.38698^{+0.0002}_{-0.0002}$	$5899.0^{+49.0}_{-49.0}$	$0.132^{+0.0006}_{-0.0006}$	$7.556^{+0.041}_{-0.045}$	$85.96^{+0.11}_{-0.1}$
	$2.25528783^{+6.8e-07}_{-6.8e-07}$	$4.42^{+0.03}_{-0.03}$	–	–	
	Maciejewski (2020)	Johns et al. (2019)	Maciejewski (2020)		
KELT-24b	$2458268.45459^{+0.00087}_{-0.00087}$	$6509.0^{+50.0}_{-49.0}$	$0.0901^{+0.0003}_{-0.0003}$	$9.95^{+0.18}_{-0.17}$	$89.17^{+0.75}_{-0.59}$
	$5.5514918^{+8.6e-06}_{-8.6e-06}$	$4.25^{+0.02}_{-0.02}$	$0.077^{+0.025}_{-0.024}$	$55.0^{+15.0}_{-13.0}$	
	Maciejewski (2020)	Rodriguez et al. (2019a)	Rodriguez et al. (2019a)		
KELT-2Ab	$2455974.6034^{+0.0008}_{-0.0008}$	$6148.0^{+48.0}_{-48.0}$	$0.0722^{+0.0018}_{-0.0018}$	$6.59^{+0.08*}_{-0.08}$	$88.6^{+1.0}_{-1.4}$
	$4.113791^{+1e-05}_{-1e-05}$	$4.03^{+0.03}_{-0.03}$	–	–	
	Beatty et al. (2012)	Beatty et al. (2012)	Beatty et al. (2012)		
KELT-3b	$2456666.888^{+0.0004}_{-0.0004}$	$6306.0^{+50.0}_{-49.0}$	$0.0939^{+0.0011}_{-0.0011}$	$6.02^{+0.24}_{-0.22}$	$84.2^{+0.7}_{-0.6}$
	$2.7033878^{+1e-06}_{-1e-06}$	$4.21^{+0.03}_{-0.03}$	–	–	
	Kokori et al. (2022)	Pepper et al. (2013)	Pepper et al. (2013)		
KELT-4Ab	$2456190.3021^{+0.00022}_{-0.00022}$	$6206.0^{+75.0}_{-75.0}$	$0.1089^{+0.0005}_{-0.0005}$	$5.79^{+0.09}_{-0.08}$	$83.16^{+0.22}_{-0.21}$
	$2.989593^{+5e-06}_{-5e-06}$	$4.11^{+0.01}_{-0.01}$	–	–	
	Eastman et al. (2016)	Eastman et al. (2016)	Eastman et al. (2016)		
KELT-6b	$2457124.5095^{+0.0006}_{-0.0006}$	$6102.0^{+43.0}_{-43.0}$	$0.0776^{+0.001}_{-0.001}$	$11.4^{+1.7*}_{-1.7}$	$88.8^{+0.8}_{-0.9}$
	$7.845582^{+7e-06}_{-7e-06}$	$4.07^{+0.04}_{-0.07}$	–	–	
	Damasso et al. (2015a)	Collins et al. (2014)	Collins et al. (2014)		
KELT-7b	$2458343.40408^{+0.0001}_{-0.0001}$	$6789.0^{+50.0}_{-49.0}$	$0.091^{+0.0006}_{-0.0006}$	$5.53^{+0.04*}_{-0.04}$	$83.8^{+0.4}_{-0.4}$
	$2.7347657^{+4e-07}_{-4e-07}$	$4.15^{+0.02}_{-0.02}$	–	–	
	Kokori et al. (2022)	Bieryla et al. (2015)	Bieryla et al. (2015)		
KELT-8b	$2457396.045^{+0.0006}_{-0.0006}$	$5754.0^{+54.0}_{-55.0}$	$0.115^{+0.003}_{-0.003}$	$5.9^{+0.4}_{-0.4}$	$82.7^{+0.8}_{-1.0}$
	$3.24408^{+5e-06}_{-5e-06}$	$4.08^{+0.05}_{-0.05}$	$0.04^{+0.05}_{-0.03}$	$85.0^{+87.0}_{-97.0}$	
	Mallonn et al. (2019b)	Fulton et al. (2015)	Fulton et al. (2015)		
KELT-9b	$2457095.68572^{+0.00014}_{-0.00014}$	$10170.0^{+450.0}_{-450.0}$	$0.08228^{+0.00043}_{-0.00043}$	$3.2^{+0.02}_{-0.02}$	$86.79^{+0.25}_{-0.25}$
	$1.4811235^{+1.1e-06}_{-1.1e-06}$	$4.09^{+0.01}_{-0.01}$	–	–	
	Gaudi et al. (2017)	Gaudi et al. (2017)	Gaudi et al. (2017)		
KOI-12b	$2454961.74044^{+0.00025}_{-0.00025}$	$6820.0^{+120.0}_{-120.0}$	$0.09049^{+8e-05}_{-8e-05}$	$18.89^{+0.23*}_{-0.22}$	$88.95^{+0.15}_{-0.25}$

	$17.8552301^{+3e-07}_{-3e-07}$	$4.34^{+0.15}_{-0.15}$	–	–	
	Holczer et al. (2016)	Bourrier et al. (2015)	Bourrier et al. (2015)		
KOI-13b	$2454953.56596^{+2e-05}_{-2e-05}$	$8848.0^{+100.0}_{-100.0}$	$0.08737^{+2e-05}_{-2e-05}$	$4.5007^{+0.0039}_{-0.004}$	$86.77^{+0.048}_{-0.052}$
	$1.763588^{+1e-06}_{-1e-06}$	$3.93^{+0.1}_{-0.1}$	$0.00064^{+0.00012}_{-0.00016}$	$5.0^{+8.0}_{-10.0}$	
	Esteves et al. (2015)	Borucki et al. (2011)	Esteves et al. (2015)		
KOI-94c	$2454971.0826^{+0.00038}_{-0.00038}$	$6182.0^{+58.0}_{-58.0}$	$0.025673^{+7.4e-05}_{-7.4e-05}$	$15.7798^{+0.0016}_{-0.0016}$	$89.924^{+0.054}_{-0.073}$
	$10.4236888^{+5.3e-06}_{-5.3e-06}$	$4.18^{+0.07}_{-0.07}$	–	–	
	Masuda et al. (2013)	Weiss et al. (2013)	Masuda et al. (2013)		
KOI-94d	$2454965.7397^{+0.0003}_{-0.0003}$	$6182.0^{+58.0}_{-58.0}$	$0.06802^{+8e-05}_{-8e-05}$	$27.3^{+0.4*}_{-0.4}$	$89.87^{+0.12}_{-0.12}$
	$22.3429695^{+3e-07}_{-3e-07}$	$4.18^{+0.07}_{-0.07}$	–	–	
	Holczer et al. (2016)	Weiss et al. (2013)	Weiss et al. (2013)		
KOI-94e	$2454994.23915^{+0.00046}_{-0.00046}$	$6182.0^{+58.0}_{-58.0}$	$0.04132^{+0.00016}_{-0.00016}$	$47.69^{+0.67}_{-0.64}$	$89.554^{+0.048}_{-0.044}$
	$54.319832^{+3.5e-05}_{-3.5e-05}$	$4.181^{+0.066}_{-0.066}$	–	–	
	Masuda et al. (2013)	Weiss et al. (2013)	Masuda et al. (2013)		
KPS-1b	$2458678.9091^{+0.0003}_{-0.0003}$	$5165.0^{+90.0}_{-90.0}$	$0.114^{+0.004}_{-0.004}$	$6.37^{+0.05}_{-0.05}$	$83.2^{+0.9}_{-0.9}$
	$1.7063241^{+1.5e-06}_{-1.5e-06}$	$4.47^{+0.06}_{-0.06}$	–	–	
	Kokori et al. (2022)	Burdanov et al. (2018)	Burdanov et al. (2018)		
Kepler-105b	$2454966.142^{+0.01}_{-0.01}$	$6397.0^{+95.0}_{-95.0}$	$0.028^{+0.001}_{-0.001}$	$9.65^{+0.16*}_{-0.16}$	$85.94^{+1.87}_{-3.88}$
	5.4122^{+2e-05}_{-2e-05}	$4.15^{+0.2}_{-0.23}$	–	–	
	Wang et al. (2014a)	Wang et al. (2014a)	Wang et al. (2014a)		
Kepler-12b	$2455004.009119^{+2e-05}_{-2e-05}$	$5947.0^{+100.0}_{-100.0}$	$0.11887^{+9e-05}_{-9e-05}$	$8.019^{+0.014}_{-0.013}$	$88.8^{+0.09}_{-0.07}$
	$4.4379654^{+1.1e-06}_{-1.1e-06}$	$4.17^{+0.01}_{-0.01}$	–	–	
	Kokori et al. (2022)	Fortney et al. (2011)	Esteves et al. (2015)		
Kepler-18d	$2454961.1559^{+0.0007}_{-0.0007}$	$5345.0^{+100.0}_{-100.0}$	$0.0578^{+0.0007}_{-0.0007}$	$22.5^{+1.0}_{-1.0}$	$88.07^{+0.1}_{-0.1}$
	$14.8589187^{+7e-07}_{-7e-07}$	$4.31^{+0.12}_{-0.12}$	–	–	
	Holczer et al. (2016)	Cochran et al. (2011)	Cochran et al. (2011)		
Kepler-396c	$2455015.678^{+0.019}_{-0.019}$	$5651.0^{+83.0}_{-82.2}$	$0.0524^{+0.0006}_{-0.0006}$	$96.1^{+1.1*}_{-1.1}$	$90.0^{+0.02*}_{-0.02}$
	$88.510678^{+2.2e-05}_{-2.2e-05}$	$4.47^{+0.04}_{-0.06}$	–	–	
	Holczer et al. (2016)	Morton et al. (2016)	Morton et al. (2016)		
Kepler-41b	$2454970.18104^{+2e-05}_{-2e-05}$	$5620.0^{+140.0}_{-140.0}$	$0.10253^{+0.00043}_{-0.00043}$	$5.053^{+0.021}_{-0.021}$	$82.214^{+0.09}_{-0.085}$
	$1.8555577^{+3e-07}_{-3e-07}$	$4.47^{+0.12}_{-0.12}$	–	–	
	Esteves et al. (2015)	Santerne et al. (2011)	Esteves et al. (2015)		
Kepler-422b	$2454955.00995^{+5e-05}_{-5e-05}$	$5972.0^{+84.0}_{-84.0}$	$0.0957^{+0.0006}_{-0.0006}$	$14.2^{+1.9}_{-1.7}$	$88.3^{+0.3}_{-0.3}$
	$7.89144809^{+6e-08}_{-6e-08}$	$4.31^{+0.07}_{-0.07}$	–	–	
	Holczer et al. (2016)	Endl et al. (2014)	Endl et al. (2014)		
Kepler-435b	$2455010.64241^{+0.0004}_{-0.0004}$	$6161.0^{+94.0}_{-94.0}$	$0.06384^{+0.0002}_{-0.0002}$	$6.35^{+0.51}_{-0.51}$	$85.51^{+0.52}_{-0.52}$
	$8.6001536^{+1.8e-06}_{-1.8e-06}$	$3.61^{+0.05}_{-0.07}$	$0.114^{+0.077}_{-0.077}$	$104.0^{+36.0}_{-36.0}$	
	Almenara et al. (2015)	Almenara et al. (2015)	Almenara et al. (2015)		
Kepler-447b	$2454970.26082^{+0.00011}_{-0.00011}$	$5493.0^{+62.0}_{-62.0}$	$0.17^{+0.05}_{-0.05}$	$20.41^{+0.36}_{-0.19}$	$86.55^{+0.24}_{-0.32}$
	$7.794303^{+3e-06}_{-3e-06}$	$4.4^{+0.1}_{-0.1}$	$0.12^{+0.04}_{-0.04}$	$98.3^{+1.1}_{-11.0}$	
	Kokori et al. (2022)	Lillo-Box et al. (2015)	Lillo-Box et al. (2015)		
Kepler-5b	$2454955.90235^{+4e-05}_{-4e-05}$	$6297.0^{+60.0}_{-60.0}$	$0.07996^{+9e-05}_{-9e-05}$	$6.45^{+0.021}_{-0.025}$	$89.1^{+0.4}_{-0.3}$
	$3.5484655^{+5e-08}_{-5e-08}$	$4.07^{+0.02}_{-0.02}$	–	–	
	Holczer et al. (2016)	Koch et al. (2010b)	Esteves et al. (2015)		
Kepler-6b	$2455006.24253^{+8e-05}_{-8e-05}$	$5647.0^{+44.0}_{-44.0}$	$0.09424^{+0.00012}_{-0.00012}$	$7.503^{+0.022}_{-0.022}$	$88.93^{+0.19}_{-0.17}$
	$3.234699^{+9e-07}_{-9e-07}$	$4.24^{+0.01}_{-0.01}$	–	–	
	Kokori et al. (2022)	Dunham et al. (2010)	Esteves et al. (2015)		
Kepler-76b	$2454966.549176^{+2e-05}_{-2e-05}$	$6409.0^{+95.0}_{-95.0}$	$0.1033^{+0.003}_{-0.003}$	$4.46^{+0.05}_{-0.04}$	$77.55^{+0.2}_{-0.17}$
	$1.5449298^{+4e-07}_{-4e-07}$	$4.2^{+0.3}_{-0.3}$	–	–	
	Esteves et al. (2015)	Faigler et al. (2013)	Esteves et al. (2015)		

Kepler-7b	$2454957.50626^{+4e-05}_{-4e-05}$	$5933.0^{+44.0}_{-44.0}$	$0.08294^{+0.00011}_{-0.00011}$	$6.637^{+0.021}_{-0.021}$	$85.16^{+0.06}_{-0.05}$
	$4.8854889^{+4e-08}_{-4e-08}$	$4.03^{+0.02}_{-0.02}$	–	–	
	Holczer et al. (2016)	Latham et al. (2010)	Esteves et al. (2015)		
Kepler-854b	$2454966.985381^{+1e-05}_{-1e-05}$	$6179.0^{+110.4}_{-142.2}$	$0.119^{+0.003}_{-0.003}$	$3.73^{+0.2}_{-0.15}$ *	$79.0^{+1.2}_{-0.9}$*
	$2.1446334^{+7e-07}_{-7e-07}$	$4.29^{+0.11}_{-0.23}$	–	–	
	Kokori et al. (2022)	Morton et al. (2016)	Morton et al. (2016)		
L98-59b	$2458366.17067^{+0.00036}_{-0.00036}$	$3367.0^{+150.0}_{-150.0}$	$0.02512^{+0.00072}_{-0.00072}$	$15.0^{+1.4}_{-1.0}$	$87.71^{+1.16}_{-0.44}$
	$2.2531136^{+1.2e-06}_{-1.2e-06}$	$4.945^{+0.059}_{-0.058}$	$0.103^{+0.117}_{-0.045}$	$192.0^{+70.0}_{-155.0}$	
	Demangeon et al. (2021)	Kostov et al. (2019)	Demangeon et al. (2021)		
L98-59c	$2458367.27375^{+0.00013}_{-0.00013}$	$3367.0^{+150.0}_{-150.0}$	$0.04088^{+0.00068}_{-0.00068}$	$19.0^{+1.2}_{-0.8}$	$88.11^{+0.36}_{-0.16}$
	$3.6906777^{+1.6e-06}_{-1.6e-06}$	$4.946^{+0.042}_{-0.042}$	$0.103^{+0.045}_{-0.058}$	$261.0^{+20.0}_{-10.0}$	
	Demangeon et al. (2021)	Kostov et al. (2019)	Demangeon et al. (2021)		
L98-59d	$2458362.73974^{+0.00031}_{-0.00031}$	$3367.0^{+150.0}_{-150.0}$	$0.0448^{+0.0011}_{-0.0011}$	$33.7^{+1.9}_{-1.7}$	$88.449^{+0.058}_{-0.111}$
	$7.4507245^{+8.1e-06}_{-8.1e-06}$	$4.946^{+0.042}_{-0.042}$	$0.074^{+0.057}_{-0.046}$	$180.0^{+27.0}_{-50.0}$	
	Demangeon et al. (2021)	Kostov et al. (2019)	Demangeon et al. (2021)		
LHS1140b	$2456915.71228^{+4e-05}_{-4e-05}$	$3131.0^{+100.0}_{-100.0}$	0.0739^{+8e-05}_{-8e-05}	$95.3^{+1.1}_{-1.1}$	$89.89^{+0.05}_{-0.03}$
	$24.73696^{+8e-05}_{-8e-05}$	$5.04^{+0.07}_{-0.07}$	–	–	
	Ment et al. (2019)	Dittmann et al. (2017)	Ment et al. (2019)		
LHS1140c	$2458226.84397^{+3e-05}_{-3e-05}$	$3216.0^{+39.0}_{-39.0}$	$0.05486^{+0.00013}_{-0.00013}$	$26.57^{+0.05}_{-0.05}$	$89.92^{+0.06}_{-0.09}$
	$3.777931^{+4e-06}_{-4e-06}$	$5.05^{+0.03}_{-0.03}$	–	–	
	Ment et al. (2019)	Ment et al. (2019)	Ment et al. (2019)		
LHS3844b	$2458325.7264^{+0.0003}_{-0.0003}$	$3036.0^{+77.0}_{-77.0}$	$0.0635^{+0.0009}_{-0.0009}$	$7.11^{+0.03}_{-0.03}$	$88.5^{+0.5}_{-0.5}$
	$0.4629291^{+1.9e-06}_{-1.9e-06}$	$5.06^{+0.01}_{-0.01}$	–	–	
	Vanderspek et al. (2019)	Vanderspek et al. (2019)	Vanderspek et al. (2019)		
LP714-47b	$2458438.38421^{+0.00025}_{-0.00025}$	$3950.0^{+51.0}_{-51.0}$	$0.0751^{+0.0009}_{-0.0009}$	$15.9^{+1.0}_{-0.7}$	$87.3^{+0.2}_{-0.2}$
	$4.052037^{+4e-06}_{-4e-06}$	$4.64^{+0.04}_{-0.04}$	$0.04^{+0.02}_{-0.02}$	$219.0^{+19.0}_{-19.0}$	
	Dreizler et al. (2020)	Dreizler et al. (2020)	Dreizler et al. (2020)		
LP791-18c	$2458651.29807^{+0.00041}_{-0.00041}$	$2960.0^{+55.0}_{-55.0}$	$0.1238^{+0.0022}_{-0.0022}$	$34.5^{+2.0}_{-3.7}$	$89.55^{+0.32}_{-0.5}$
	$4.989963^{+5e-05}_{-5e-05}$	$5.12^{+0.09}_{-0.09}$	–	–	
	Crossfield et al. (2019)	Crossfield et al. (2019)	Crossfield et al. (2019)		
LTT1445Ab	$2458423.42629^{+0.00044}_{-0.00044}$	$3337.0^{+150.0}_{-150.0}$	$0.0458^{+0.0012}_{-0.0012}$	$29.6^{+2.6}_{-2.5}$	$89.4^{+0.41}_{-0.46}$
	$5.35882^{+0.0003}_{-0.0003}$	$4.97^{+0.06}_{-0.07}$	$0.19^{+0.35}_{-0.14}$	$221.0^{+120.0}_{-76.0}$	
	Winters et al. (2019)	Winters et al. (2019)	Winters et al. (2019)		
LTT3780c	$2458546.8484^{+0.0014}_{-0.0014}$	$3331.0^{+157.0}_{-157.0}$	$0.057^{+0.0035}_{-0.0035}$	$51.2^{+0.9}_{-0.9}$*	$89.18^{+0.47}_{-0.22}$
	$12.2519^{+0.0028}_{-0.0028}$	$4.9^{+0.03}_{-0.03}$	–	–	
	Cloutier et al. (2020)	Cloutier et al. (2020)	Cloutier et al. (2020)		
LTT9779b	$2458354.2143^{+0.00025}_{-0.00025}$	$5443.0^{+14.0}_{-13.0}$	$0.0455^{+0.0022}_{-0.0022}$	$3.877^{+0.09}_{-0.091}$	$76.39^{+0.43}_{-0.43}$
	$0.792052^{+9.3e-06}_{-9.3e-06}$	$4.35^{+0.16}_{-0.12}$	–	–	
	Jenkins et al. (2020)	Jenkins et al. (2020)	Jenkins et al. (2020)		
MASCARA-4b	$2458505.8178^{+0.003}_{-0.003}$	$7800.0^{+200.0}_{-200.0}$	$0.08^{+0.004}_{-0.004}$	$5.97^{+0.03}_{-0.03}$*	$88.5^{+0.01}_{-0.01}$
	$2.82406^{+3e-05}_{-3e-05}$	$4.1^{+0.05}_{-0.05}$	–	–	
	Dorval et al. (2020)	Dorval et al. (2020)	Dorval et al. (2020)		
NGTS-1b	$2457720.6602^{+0.00062}_{-0.00062}$	$3916.0^{+71.0}_{-63.0}$	$0.239^{+0.1}_{-0.1}$	$12.2^{+0.7}_{-0.7}$	$85.27^{+0.61}_{-0.73}$
	$2.647298^{+2e-05}_{-2e-05}$	$4.71^{+0.23}_{-0.23}$	–	–	
	Bayliss et al. (2018b)	Bayliss et al. (2018b)	Bayliss et al. (2018b)		
NGTS-2b	$2457759.1269^{+0.0014}_{-0.0014}$	$6478.0^{+94.0}_{-89.0}$	$0.0962^{+0.0011}_{-0.0011}$	$8.0^{+0.4}_{-0.4}$	$88.5^{+1.0}_{-1.2}$
	$4.51116^{+6e-05}_{-6e-05}$	$4.2^{+0.03}_{-0.06}$	–	–	
	Raynard et al. (2018)	Raynard et al. (2018)	Raynard et al. (2018)		
NGTS-6b	$2457982.3784^{+0.0003}_{-0.0003}$	$4730.0^{+44.0}_{-40.0}$	$0.18^{+0.01}_{-0.01}$	$4.784^{+0.043}_{-0.048}$	$78.23^{+0.26}_{-0.21}$

	$0.882059^{+8e-07}_{-8e-07}$	$4.7^{+1.1}_{-0.7}$	–	–	
	Vines et al. (2019)	Vines et al. (2019)	Vines et al. (2019)		
Qatar-10b	$2458247.90746^{+0.00036}_{-0.00036}$	$6123.0^{+50.0}_{-50.0}$	$0.1265^{+0.001}_{-0.001}$	$4.9^{+0.12}_{-0.12}$	$85.87^{+0.96}_{-0.96}$
	$1.645321^{+1e-05}_{-1e-05}$	$4.36^{+0.1}_{-0.1}$	–	–	
	Alsubai et al. (2019a)	Alsubai et al. (2019a)	Alsubai et al. (2019a)		
Qatar-1b	$2457026.47712^{+5e-05}_{-5e-05}$	$4861.0^{+125.0}_{-125.0}$	$0.1463^{+0.0006}_{-0.0006}$	$6.25^{+0.07}_{-0.07}$	$84.08^{+0.16}_{-0.15}$
	$1.42002461^{+7e-08}_{-7e-08}$	$4.54^{+0.04}_{-0.04}$	–	–	
	Kokori et al. (2022)	Alsubai et al. (2011)	Collins et al. (2017)		
Qatar-2b	$2457173.98591^{+3e-05}_{-3e-05}$	$4645.0^{+50.0}_{-50.0}$	$0.16327^{+0.00019}_{-0.00019}$	$6.45^{+0.05*}_{-0.06}$	$88.99^{+0.2}_{-0.2}$
	$1.33711716^{+1.2e-07}_{-1.2e-07}$	$4.6^{+0.02}_{-0.02}$	–	–	
	Kokori et al. (2022)	Bryan et al. (2012)	Močnik et al. (2017b)		
Qatar-3b	$2457312.48458^{+0.0001}_{-0.0001}$	$6007.0^{+52.0}_{-52.0}$	$0.0888^{+0.0018}_{-0.0018}$	$6.4^{+0.6}_{-0.6}$	$86.8^{+2.0}_{-2.0}$
	$2.507895^{+3e-06}_{-3e-06}$	$4.29^{+0.08}_{-0.08}$	–	–	
	Mallonn et al. (2019b)	Alsubai et al. (2017)	Alsubai et al. (2017)		
Qatar-4b	$2458767.93317^{+0.00014}_{-0.00014}$	$5215.0^{+50.0}_{-50.0}$	$0.138^{+0.003}_{-0.003}$	$7.1^{+0.5}_{-0.5}$	$87.5^{+1.6}_{-1.6}$
	$1.8053646^{+6e-07}_{-6e-07}$	$4.53^{+0.06}_{-0.06}$	–	–	
	Kokori et al. (2022)	Alsubai et al. (2017)	Alsubai et al. (2017)		
Qatar-5b	$2457489.3612^{+0.00017}_{-0.00017}$	$5747.0^{+49.0}_{-49.0}$	$0.1061^{+0.0013}_{-0.0013}$	$8.3^{+0.3}_{-0.3}$	$88.7^{+0.9}_{-0.9}$
	$2.8793002^{+1e-06}_{-1e-06}$	$4.43^{+0.04}_{-0.04}$	–	–	
	Kokori et al. (2022)	Alsubai et al. (2017)	Alsubai et al. (2017)		
Qatar-7b	$2458043.32075^{+0.00016}_{-0.00016}$	$6387.0^{+38.0}_{-38.0}$	$0.11^{+0.001}_{-0.001}$	$4.84^{+0.05}_{-0.05}$	$89.0^{+1.0}_{-1.0}$
	$2.032046^{+9.7e-06}_{-9.7e-06}$	$4.2^{+0.03}_{-0.03}$	–	–	
	Alsubai et al. (2019b)	Alsubai et al. (2019b)	Alsubai et al. (2019b)		
Qatar-8b	$2458210.8392^{+0.001}_{-0.001}$	$5738.0^{+51.0}_{-51.0}$	$0.1014^{+0.0031}_{-0.0031}$	$6.39^{+0.05*}_{-0.05}$	$84.6^{+1.3}_{-1.1}$
	$3.7146428^{+6e-06}_{-6e-06}$	$4.21^{+0.02}_{-0.02}$	–	–	
	Maciejewski (2020)	Alsubai et al. (2019a)	Maciejewski (2020)		
Qatar-9b	$2458227.75643^{+0.00027}_{-0.00027}$	$4309.0^{+31.0}_{-31.0}$	$0.1489^{+0.0009}_{-0.0009}$	$7.236^{+0.069}_{-0.069}$	$89.23^{+0.64}_{-0.64}$
	$1.540731^{+3.8e-05}_{-3.8e-05}$	$4.61^{+0.01}_{-0.01}$	–	–	
	Alsubai et al. (2019a)	Alsubai et al. (2019a)	Alsubai et al. (2019a)		
TIC257060897b	$2458708.9983^{+0.0003}_{-0.0003}$	$6128.0^{+57.0}_{-57.0}$	$0.0841^{+0.0009}_{-0.0009}$	$6.05^{+0.09}_{-0.09}$	$86.0^{+0.7}_{-0.7}$
	$3.660028^{+6e-06}_{-6e-06}$	$4.2^{+0.1}_{-0.1}$	$0.03^{+0.02}_{-0.02}$	$20.0^{+72.0}_{-72.0}$	
	Montalto et al. (2022)	Montalto et al. (2022)	Montalto et al. (2022)		
TOI-1130b	$2458658.74627^{+0.00072}_{-0.00072}$	$4250.0^{+67.0}_{-67.0}$	$0.0486^{+0.00111}_{-0.00111}$	$13.4^{+0.6*}_{-0.6}$	$87.98^{+0.86}_{-0.46}$
	$4.066499^{+4.6e-05}_{-4.6e-05}$	$4.6^{+0.02}_{-0.02}$	$0.22^{+0.11}_{-0.11}$	$51.8^{+20.1}_{-64.9}$	
	Huang et al. (2020)	Huang et al. (2020)	Huang et al. (2020)		
TOI-1130c	$2458657.90461^{+0.00021}_{-0.00021}$	$4250.0^{+67.0}_{-67.0}$	$0.218^{+0.037}_{-0.037}$	$22.21^{+0.5}_{-0.43}$	$87.43^{+0.16}_{-0.16}$
	$8.350381^{+3.2e-05}_{-3.2e-05}$	$4.6^{+0.02}_{-0.02}$	$0.047^{+0.04}_{-0.027}$	$332.0^{+24.0}_{-55.0}$	
	Huang et al. (2020)	Huang et al. (2020)	Huang et al. (2020)		
TOI-1201b	$2459169.23222^{+0.00052}_{-0.00052}$	$3476.0^{+51.0}_{-51.0}$	$0.04383^{+0.00096}_{-0.00096}$	$12.23^{+0.36}_{-0.36}$	$88.11^{+0.42}_{-0.4}$
	$2.4919863^{+3e-06}_{-3e-06}$	$4.8^{+0.04}_{-0.04}$	–	–	
	Kossakowski et al. (2021)	Kossakowski et al. (2021)	Kossakowski et al. (2021)		
TOI-1259Ab	$2458686.701332^{+9.7e-05}_{-9.7e-05}$	$4775.0^{+100.0}_{-100.0}$	$0.14762^{+0.00035}_{-0.00035}$	$12.314^{+0.036}_{-0.056}$	$89.7^{+0.2}_{-0.26}$
	$3.477978^{+1.9e-06}_{-1.9e-06}$	$4.61^{+0.01}_{-0.01}$	–	–	
	Martin et al. (2021)	Martin et al. (2021)	Martin et al. (2021)		
TOI-125b	$2458355.3553^{+0.001}_{-0.001}$	$5282.0^{+67.0}_{-75.0}$	$0.0295^{+0.0007}_{-0.0007}$	$13.16^{+0.27}_{-0.27}$	$88.92^{+0.71}_{-0.6}$
	$4.65382^{+0.00033}_{-0.00033}$	$4.52^{+0.03}_{-0.03}$	$0.194^{+0.041}_{-0.036}$	$323.0^{+12.0}_{-14.0}$	
	Nielsen et al. (2020b)	Quinn et al. (2019)	Nielsen et al. (2020b)		
TOI-125c	$2458361.9085^{+0.0013}_{-0.0013}$	$5282.0^{+67.0}_{-75.0}$	$0.02985^{+0.00099}_{-0.00099}$	$20.66^{+0.42}_{-0.42}$	$88.54^{+0.41}_{-0.19}$
	$9.15059^{+0.0007}_{-0.0007}$	$4.52^{+0.03}_{-0.03}$	$0.066^{+0.07}_{-0.047}$	$70.0^{+100.0}_{-110.0}$	
	Nielsen et al. (2020b)	Quinn et al. (2019)	Nielsen et al. (2020b)		

TOI-1266c	$2458821.5706^{+0.0034}_{-0.0034}$	$3600.0^{+150.0}_{-150.0}$	$0.0346^{+0.0025}_{-0.0025}$	$53.0^{+2.0}_{-1.9}$*	$89.3^{+0.1}_{-0.1}$
	$18.80151^{+0.00067}_{-0.00067}$	$4.85^{+0.05}_{-0.05}$	–	–	
	Demory et al. (2020)	Demory et al. (2020)	Demory et al. (2020)		
TOI-1296b	$2458930.75532^{+0.00019}_{-0.00019}$	$5603.0^{+47.0}_{-47.0}$	$0.07599^{+0.00046}_{-0.00046}$	$6.44^{+0.24}_{-0.33}$	$88.81^{+0.82}_{-1.0}$
	$3.9443715^{+5.8e-06}_{-5.8e-06}$	$4.05^{+0.1}_{-0.1}$	$0.055^{+0.061}_{-0.038}$	$137.0^{+62.0}_{-62.0}$	
	Moutou et al. (2021)	Moutou et al. (2021)	Moutou et al. (2021)		
TOI-1298b	$2458929.58558^{+0.00031}_{-0.00031}$	$5889.0^{+43.0}_{-43.0}$	$0.06119^{+0.00053}_{-0.00053}$	$9.0^{+0.25}_{-0.29}$	$88.96^{+0.73}_{-0.86}$
	$4.537164^{+1.2e-05}_{-1.2e-05}$	$4.39^{+0.08}_{-0.08}$	$0.032^{+0.034}_{-0.023}$	$130.0^{+92.0}_{-92.0}$	
	Moutou et al. (2021)	Moutou et al. (2021)	Moutou et al. (2021)		
TOI-1478b	$2458607.90338^{+0.00052}_{-0.00052}$	$5597.0^{+83.0}_{-82.0}$	$0.104^{+0.0015}_{-0.0015}$	$18.54^{+0.7}_{-0.6}$	$88.51^{+0.29}_{-0.22}$
	$10.180249^{+1.5e-05}_{-1.5e-05}$	$4.37^{+0.04}_{-0.03}$	$0.024^{+0.032}_{-0.017}$	$250.0^{+120.0}_{-130.0}$	
	Rodriguez et al. (2021)	Rodriguez et al. (2021)	Rodriguez et al. (2021)		
TOI-150.01	$2458326.2781^{+0.00086}_{-0.00086}$	$6003.0^{+104.0}_{-98.0}$	$0.0826^{+0.0012}_{-0.0012}$	$8.0^{+0.13}_{-0.12}$*	$88.09^{+0.98}_{-0.68}$
	$5.857487^{+8.9e-05}_{-8.9e-05}$	$4.15^{+0.03}_{-0.04}$	–	–	
	Kossakowski et al. (2019)	Cañas et al. (2019)	Kossakowski et al. (2019)		
TOI-1518b	$2458787.049255^{+9.4e-05}_{-9.4e-05}$	$7300.0^{+100.0}_{-100.0}$	$0.0988^{+0.0015}_{-0.0015}$	$4.291^{+0.057}_{-0.061}$	$77.84^{+0.23}_{-0.26}$
	$1.902603^{+1.1e-05}_{-1.1e-05}$	$4.1^{+0.2}_{-0.2}$	–	–	
	Cabot et al. (2021)	Cabot et al. (2021)	Cabot et al. (2021)		
TOI-157b	$2458326.54771^{+0.00022}_{-0.00022}$	$5404.0^{+70.0}_{-67.0}$	$0.11329^{+0.00056}_{-0.00056}$	$5.785^{+0.066}_{-0.069}$	$82.01^{+0.15}_{-0.16}$
	$2.0845435^{+2.3e-06}_{-2.3e-06}$	$4.28^{+0.01}_{-0.01}$	–	–	
	Nielsen et al. (2020a)	Nielsen et al. (2020a)	Nielsen et al. (2020a)		
TOI-163b	$2458328.8805^{+0.00062}_{-0.00062}$	$6495.0^{+90.0}_{-90.0}$	$0.0908^{+0.0016}_{-0.0016}$	$7.55^{+0.15}_{-0.15}$*	$87.24^{+0.47}_{-0.45}$
	$4.231306^{+6.3e-05}_{-6.3e-05}$	$4.19^{+0.01}_{-0.01}$	–	–	
	Kossakowski et al. (2019)	Kossakowski et al. (2019)	Kossakowski et al. (2019)		
TOI-169b	$2458327.44174^{+0.00065}_{-0.00065}$	$5880.0^{+54.0}_{-49.0}$	$0.0866^{+0.0056}_{-0.0056}$	$5.88^{+0.15}_{-0.16}$	$80.98^{+0.31}_{-0.38}$
	$2.2554477^{+6.3e-06}_{-6.3e-06}$	$4.28^{+0.03}_{-0.03}$	–	–	
	Nielsen et al. (2020a)	Nielsen et al. (2020a)	Nielsen et al. (2020a)		
TOI-1728b	$2458843.27427^{+0.00043}_{-0.00043}$	$3975.0^{+77.0}_{-77.0}$	$0.074^{+0.002}_{-0.002}$	$13.48^{+0.2}_{-0.2}$	$88.31^{+0.58}_{-0.4}$
	$3.49151^{+6.2e-05}_{-6.2e-05}$	$4.66^{+0.02}_{-0.02}$	$0.057^{+0.054}_{-0.039}$	$45.0^{+104.0}_{-187.0}$	
	Kanodia et al. (2020)	Kanodia et al. (2020)	Kanodia et al. (2020)		
TOI-172b	$2458345.8734^{+0.0013}_{-0.0013}$	$5645.0^{+50.0}_{-50.0}$	$0.05588^{+0.00091}_{-0.00091}$	$11.09^{+0.28}_{-0.3}$	$88.2^{+1.1}_{-1.0}$
	$9.47725^{+0.00064}_{-0.00064}$	$3.99^{+0.03}_{-0.03}$	$0.3806^{+0.0093}_{-0.009}$	$57.1^{+1.7}_{-1.7}$	
	Rodriguez et al. (2019b)	Rodriguez et al. (2019b)	Rodriguez et al. (2019b)		
TOI-1789b	$2458873.65374^{+0.00062}_{-0.00062}$	$5991.0^{+55.0}_{-55.0}$	$0.068^{+0.011}_{-0.011}$	$4.83^{+0.11}_{-0.16}$	$78.41^{+0.36}_{-0.58}$
	$3.208664^{+1.5e-05}_{-1.5e-05}$	$3.94^{+0.02}_{-0.04}$	–	–	
	Khandelwal et al. (2022)	Khandelwal et al. (2022)	Khandelwal et al. (2022)		
TOI-201b	$2458376.052^{+0.0003}_{-0.0003}$	$6394.0^{+75.0}_{-75.0}$	$0.0789^{+0.0013}_{-0.0013}$	$50.9^{+2.9}_{-2.9}$*	$88.88^{+0.11}_{-0.11}$*
	$52.97818^{+4e-05}_{-4e-05}$	$4.32^{+0.01}_{-0.01}$	$0.28^{+0.06}_{-0.09}$	$82.0^{+14.0}_{-9.0}$	
	Hobson et al. (2021)	Hobson et al. (2021)	Hobson et al. (2021)		
TOI-2076b	$2458847.2776^{+0.0006}_{-0.0006}$	$5187.0^{+54.0}_{-53.0}$	$0.0395^{+0.001}_{-0.001}$	$22.5^{+0.2}_{-0.2}$*	$88.9^{+0.11}_{-0.11}$
	$10.35566^{+6e-05}_{-6e-05}$	$4.61^{+0.02}_{-0.02}$	–	–	
	Hedges et al. (2021)	Hedges et al. (2021)	Hedges et al. (2021)		
TOI-216.01	$2458331.28611^{+0.00068}_{-0.00068}$	$5026.0^{+125.0}_{-125.0}$	$0.1235^{+0.0014}_{-0.0014}$	$55.07^{+0.86}_{-0.86}$*	$89.83^{+0.11}_{-0.12}$
	$34.556^{+0.014}_{-0.014}$	$4.66^{+0.2}_{-0.2}$	$0.029^{+0.037}_{-0.02}$	$275.0^{+55.0}_{-113.0}$	
	Kipping et al. (2019)	Kipping et al. (2019)	Kipping et al. (2019)		
TOI-216.02	$2458325.3278^{+0.0026}_{-0.0026}$	$5026.0^{+125.0}_{-125.0}$	$0.0833^{+0.0168}_{-0.0168}$	$33.25^{+0.46}_{-0.65}$	$88.364^{+0.042}_{-0.068}$
	$17.089^{+0.011}_{-0.011}$	$4.66^{+0.2}_{-0.2}$	$0.132^{+0.059}_{-0.023}$	$193.0^{+20.0}_{-35.0}$	
	Kipping et al. (2019)	Kipping et al. (2019)	Kipping et al. (2019)		
TOI-257b	$2458385.7601^{+0.0013}_{-0.0013}$	$6095.0^{+89.0}_{-89.0}$	$0.03521^{+0.00022}_{-0.00022}$	$17.6^{+0.36}_{-0.35}$	$87.91^{+0.11}_{-0.1}$

	$18.38818^{+0.00085}_{-0.00085}$	$4.04^{+0.02}_{-0.02}$	–	–	
	Addison et al. (2021)	Addison et al. (2021)	Addison et al. (2021)		
TOI-269b	$2458381.84668^{+0.00033}_{-0.00033}$	$3514.0^{+70.0}_{-70.0}$	$0.0638^{+0.002}_{-0.002}$	$18.53^{+0.66}_{-1.33}$	$88.14^{+0.78}_{-0.9}$
	$3.6977104^{+3.7e-06}_{-3.7e-06}$	$4.83^{+0.03}_{-0.03}$	$0.425^{+0.082}_{-0.086}$	$74.0^{+15.0}_{-15.0}$	
	Cointepas et al. (2021)	Cointepas et al. (2021)	Cointepas et al. (2021)		
TOI-270b	$2458461.01464^{+0.00084}_{-0.00084}$	$3386.0^{+137.0}_{-131.0}$	$0.03^{+0.0015}_{-0.0015}$	$17.48^{+1.49}_{-3.24}$	$88.65^{+0.85}_{-1.4}$
	$3.36008^{+6.5e-05}_{-6.5e-05}$	$4.88^{+0.068}_{-0.067}$	–	–	
	Günther et al. (2019)	Günther et al. (2019)	Günther et al. (2019)		
TOI-270c	$2458463.08481^{+0.00025}_{-0.00025}$	$3386.0^{+137.0}_{-131.0}$	$0.05825^{+0.00079}_{-0.00079}$	$27.01^{+0.6}_{-1.58}$	$89.53^{+0.3}_{-0.42}$
	$5.660172^{+3.5e-05}_{-3.5e-05}$	$4.88^{+0.068}_{-0.067}$	–	–	
	Günther et al. (2019)	Günther et al. (2019)	Günther et al. (2019)		
TOI-270d	$2458469.33834^{+0.00052}_{-0.00052}$	$3386.0^{+137.0}_{-131.0}$	$0.05143^{+0.00074}_{-0.00074}$	$41.56^{+0.7}_{-0.83}$	$89.69^{+0.16}_{-0.12}$
	$11.38014^{+0.00011}_{-0.00011}$	$4.88^{+0.068}_{-0.067}$	–	–	
	Günther et al. (2019)	Günther et al. (2019)	Günther et al. (2019)		
TOI-421c	$2458440.13162^{+0.0007}_{-0.0007}$	$5325.0^{+78.0}_{-58.0}$	$0.0542^{+0.0011}_{-0.0011}$	$29.91^{+4.19}_{-4.03}$	$88.353^{+0.078}_{-0.084}$
	$16.06819^{+0.00035}_{-0.00035}$	$4.49^{+0.03}_{-0.02}$	$0.152^{+0.042}_{-0.042}$	$114.7^{+15.6}_{-13.3}$	
	Carleo et al. (2020)	Carleo et al. (2020)	Carleo et al. (2020)		
TOI-431b	$2458627.538^{+0.003}_{-0.003}$	$4850.0^{+75.0}_{-75.0}$	$0.016^{+0.001}_{-0.001}$	$3.42^{+1.71}_{-1.12}$	$84.3^{+1.1}_{-1.3}$
	$0.490047^{+1e-05}_{-1e-05}$	$4.6^{+0.06}_{-0.06}$	–	–	
	Osborn et al. (2021a)	Osborn et al. (2021a)	Osborn et al. (2021a)		
TOI-431d	$2458627.5453^{+0.0003}_{-0.0003}$	$4850.0^{+75.0}_{-75.0}$	$0.041^{+0.002}_{-0.002}$	$28.65^{+128.31}_{-22.86}$	$89.7^{+0.2}_{-0.2}$
	$12.46103^{+2e-05}_{-2e-05}$	$4.6^{+0.06}_{-0.06}$	–	–	
	Osborn et al. (2021a)	Osborn et al. (2021a)	Osborn et al. (2021a)		
TOI-451c	$2458411.7956^{+0.0048}_{-0.0048}$	$5550.0^{+56.0}_{-56.0}$	$0.03237^{+0.00065}_{-0.00065}$	$20.12^{+0.31}_{-0.47}$	$89.61^{+0.27}_{-0.36}$
	$9.192522^{+6e-05}_{-6e-05}$	$4.527^{+0.039}_{-0.038}$	–	–	
	Newton et al. (2021)	Newton et al. (2021)	Newton et al. (2021)		
TOI-451d	$2458416.63478^{+0.00088}_{-0.00088}$	$5550.0^{+56.0}_{-56.0}$	$0.04246^{+0.00044}_{-0.00044}$	$29.56^{+0.46}_{-0.69}$	$89.25^{+0.084}_{-0.1}$
	$16.364988^{+4.4e-05}_{-4.4e-05}$	$4.527^{+0.039}_{-0.038}$	–	–	
	Newton et al. (2021)	Newton et al. (2021)	Newton et al. (2021)		
TOI-481b	$2458511.6418^{+0.0002}_{-0.0002}$	$5735.0^{+72.0}_{-72.0}$	$0.0614^{+0.0002}_{-0.0002}$	$12.52^{+0.28}_{-0.28}$	$89.2^{+0.3}_{-0.3}$
	$10.33111^{+2e-05}_{-2e-05}$	$4.06^{+0.01}_{-0.01}$	$0.153^{+0.006}_{-0.007}$	$64.8^{+1.8}_{-1.8}$	
	Brahm et al. (2020)	Brahm et al. (2020)	Brahm et al. (2020)		
TOI-530b	$2458470.1998^{+0.0016}_{-0.0016}$	$3659.0^{+120.0}_{-120.0}$	$0.155^{+0.002}_{-0.002}$	$20.97^{+0.65}_{-0.67}$	$89.1^{+0.3}_{-0.3}$
	$6.387597^{+1.9e-05}_{-1.9e-05}$	$4.7^{+0.03}_{-0.03}$	–	–	
	Gan et al. (2022)	Gan et al. (2022)	Gan et al. (2022)		
TOI-561c	$2458527.06^{+0.004}_{-0.004}$	$5455.0^{+65.0}_{-47.0}$	$0.0308^{+0.0009}_{-0.0009}$	$22.1^{+0.26}_{-0.26}$	$89.53^{+0.32}_{-0.39}$
	$10.779^{+0.004}_{-0.004}$	$4.47^{+0.01}_{-0.01}$	$0.06^{+0.067}_{-0.042}$	$200.0^{+55.0}_{-49.0}$	
	Lacedelli et al. (2021)	Lacedelli et al. (2021)	Lacedelli et al. (2021)		
TOI-564b	$2458549.57554^{+0.00045}_{-0.00045}$	$5640.0^{+34.0}_{-37.0}$	$0.096^{+0.089}_{-0.089}$	$5.32^{+1.29}_{-0.86}$	$78.38^{+0.71}_{-0.85}$
	$1.651144^{+1.8e-05}_{-1.8e-05}$	$4.36^{+0.03}_{-0.03}$	$0.072^{+0.083}_{-0.05}$	$94.0^{+32.0}_{-35.0}$	
	Davis et al. (2020)	Davis et al. (2020)	Davis et al. (2020)		
TOI-640b	$2458459.73877^{+0.00071}_{-0.00071}$	$6460.0^{+130.0}_{-150.0}$	$0.08738^{+0.00091}_{-0.00091}$	$6.82^{+0.22}_{-0.24}$	$82.54^{+0.42}_{-0.59}$
	$5.0037775^{+4.8e-06}_{-4.8e-06}$	$3.99^{+0.03}_{-0.04}$	$0.05^{+0.054}_{-0.035}$	$159.0^{+86.0}_{-99.0}$	
	Rodriguez et al. (2021)	Rodriguez et al. (2021)	Rodriguez et al. (2021)		
TOI-674b	$2458641.40455^{+0.0001}_{-0.0001}$	$3514.0^{+57.0}_{-57.0}$	$0.114^{+0.0009}_{-0.0009}$	$12.8^{+0.42}_{-0.42}$	$87.21^{+0.24}_{-0.24}$
	$1.977143^{+3e-06}_{-3e-06}$	$4.81^{+0.03}_{-0.03}$	–	–	
	Murgas et al. (2021)	Murgas et al. (2021)	Murgas et al. (2021)		
TOI-677b	$2458547.47448^{+0.00028}_{-0.00028}$	$6295.0^{+77.0}_{-77.0}$	$0.0942^{+0.001}_{-0.001}$	$21.5^{+0.17}_{-0.17}$*	$87.63^{+0.11}_{-0.1}$
	$11.2366^{+0.00011}_{-0.00011}$	$4.29^{+0.03}_{-0.03}$	$0.435^{+0.024}_{-0.024}$	$70.47^{+3.61}_{-3.61}$	
	Jordán et al. (2020)	Jordán et al. (2020)	Jordán et al. (2020)		

TOI-700c	$2458548.75256^{+0.0005}_{-0.0005}$	$3480.0^{+135.0}_{-135.0}$	$0.0573^{+0.002}_{-0.002}$	$47.1^{+2.0}_{-1.9}$	$88.868^{+0.083}_{-0.1}$
	$16.05111^{+6.2e-05}_{-6.2e-05}$	$4.81^{+0.06}_{-0.06}$	$0.078^{+0.075}_{-0.056}$	$81.0^{+80.0}_{-83.0}$	
	Rodriguez et al. (2020)	Gilbert et al. (2020)	Rodriguez et al. (2020)		
TOI-776b	$2458571.4167^{+0.001}_{-0.001}$	$3709.0^{+70.0}_{-70.0}$	$0.0316^{+0.0008}_{-0.0008}$	$27.87^{+0.97}_{-1.02}$	$89.65^{+0.22}_{-0.37}$
	$8.24661^{+5e-05}_{-5e-05}$	$4.73^{+0.03}_{-0.03}$	$0.06^{+0.03}_{-0.02}$	$293.0^{+117.0}_{-73.0}$	
	Luque et al. (2021)	Luque et al. (2021)	Luque et al. (2021)		
TOI-776c	$2458572.5999^{+0.0018}_{-0.0018}$	$3709.0^{+70.0}_{-70.0}$	$0.0344^{+0.0009}_{-0.0009}$	$39.4^{+1.6*}_{-1.8}$	$89.51^{+0.25}_{-0.21}$
	$15.6653^{+0.0004}_{-0.0004}$	$4.73^{+0.03}_{-0.03}$	$0.04^{+0.02}_{-0.01}$	$349.0^{+55.0}_{-79.0}$	
	Luque et al. (2021)	Luque et al. (2021)	Luque et al. (2021)		
TOI-824b	$2458639.60354^{+0.00035}_{-0.00035}$	$4600.0^{+110.0}_{-100.0}$	$0.0387^{+0.0018}_{-0.0018}$	$6.73^{+0.22}_{-0.21}$	$83.65^{+0.39}_{-0.38}$
	$1.392978^{+1.8e-05}_{-1.8e-05}$	$4.61^{+0.03}_{-0.03}$	–	–	
	Burt et al. (2020)	Burt et al. (2020)	Burt et al. (2020)		
TOI-837b	$2458574.27253^{+0.00059}_{-0.00059}$	$6047.0^{+162.0}_{-162.0}$	$0.08^{+0.01}_{-0.01}$	$17.26^{+0.6}_{-0.6}$	$86.89^{+0.14}_{-0.16}$
	$8.324876^{+1.6e-05}_{-1.6e-05}$	$4.47^{+0.05}_{-0.05}$	–	–	
	Bouma et al. (2020b)	Bouma et al. (2020b)	Bouma et al. (2020b)		
TOI-892b	$2458475.689^{+0.002}_{-0.002}$	$6261.0^{+80.0}_{-80.0}$	$0.079^{+0.001}_{-0.001}$	$14.2^{+0.8}_{-0.7}$	$88.2^{+0.3}_{-0.5}$
	$10.62656^{+7e-05}_{-7e-05}$	$4.26^{+0.02}_{-0.02}$	–	–	
	Brahm et al. (2020)	Brahm et al. (2020)	Brahm et al. (2020)		
TOI-905b	$2458643.30898^{+0.0002}_{-0.0002}$	$5570.0^{+150.0}_{-140.0}$	$0.1311^{+0.0012}_{-0.0012}$	$11.0^{+0.95}_{-1.16}$	$85.68^{+0.22}_{-0.26}$
	$3.739494^{+3.8e-05}_{-3.8e-05}$	$4.5^{+0.03}_{-0.03}$	$0.024^{+0.025}_{-0.017}$	$39.0^{+61.0}_{-82.0}$	
	Davis et al. (2020)	Davis et al. (2020)	Davis et al. (2020)		
TrES-1b	$2454110.97865^{+6e-05}_{-6e-05}$	$5230.0^{+50.0}_{-50.0}$	$0.1358^{+0.0003}_{-0.0003}$	$10.52^{+0.02}_{-0.18}$	$90.0^{+0.0}_{-1.1}$
	$3.03007008^{+1e-07}_{-1e-07}$	$4.57^{+0.01}_{-0.01}$	–	–	
	Kokori et al. (2022)	Torres et al. (2008)	Torres et al. (2008)		
TrES-2b	$2455148.47118^{+3e-05}_{-3e-05}$	$5850.0^{+50.0}_{-50.0}$	$0.1254^{+0.0005}_{-0.0005}$	$7.903^{+0.019}_{-0.016}$	$83.872^{+0.02}_{-0.018}$
	$2.47061373^{+9e-08}_{-9e-08}$	$4.4^{+0.1}_{-0.1}$	–	–	
	Kokori et al. (2022)	Torres et al. (2008)	Esteves et al. (2015)		
TrES-3b	$2457536.279521^{+1.8e-05}_{-1.8e-05}$	$5650.0^{+75.0}_{-75.0}$	$0.17^{+0.03}_{-0.03}$	$6.0^{+0.8}_{-0.7}$	$82.0^{+0.3}_{-0.3}$
	$1.30618639^{+3e-08}_{-3e-08}$	$4.58^{+0.02}_{-0.01}$	–	–	
	Kokori et al. (2022)	Torres et al. (2008)	Christiansen et al. (2011)		
TrES-4b	$2455364.6085^{+0.0003}_{-0.0003}$	$6200.0^{+75.0}_{-75.0}$	$0.1045^{+0.0007}_{-0.0007}$	$6.14^{+0.24}_{-0.19}$	$83.1^{+0.5}_{-0.4}$
	$3.5539266^{+8e-07}_{-8e-07}$	$4.06^{+0.02}_{-0.02}$	–	–	
	Kokori et al. (2022)	Torres et al. (2008)	Sozzetti et al. (2015)		
TrES-5b	$2456833.6008^{+6e-05}_{-6e-05}$	$5171.0^{+36.0}_{-36.0}$	$0.142^{+0.0009}_{-0.0009}$	$6.19^{+0.09}_{-0.08}$	$84.65^{+0.24}_{-0.22}$
	$1.48224718^{+9e-08}_{-9e-08}$	$4.51^{+0.015}_{-0.015}$	–	–	
	Kokori et al. (2022)	Mandushev et al. (2011)	Maciejewski et al. (2016b)		
WASP-100b	$2458500.5573^{+0.00012}_{-0.00012}$	$6900.0^{+120.0}_{-120.0}$	$0.087^{+0.003}_{-0.003}$	$4.97^{+0.16}_{-0.16}$	$82.6^{+2.6}_{-1.7}$
	$2.849383^{+2.1e-06}_{-2.1e-06}$	$4.04^{+0.11}_{-0.11}$	–	–	
	Kokori et al. (2022)	Hellier et al. (2014)	Hellier et al. (2014)		
WASP-101b	$2456297.36537^{+0.00019}_{-0.00019}$	$6400.0^{+110.0}_{-110.0}$	$0.1122^{+0.0009}_{-0.0009}$	$8.445^{+0.013}_{-0.013}$	$85.0^{+0.2}_{-0.2}$
	$3.5857072^{+1.2e-06}_{-1.2e-06}$	$4.34^{+0.02}_{-0.02}$	–	–	
	Kokori et al. (2022)	Hellier et al. (2014)	Hellier et al. (2014)		
WASP-103b	$2457132.47094^{+4e-05}_{-4e-05}$	$6110.0^{+160.0}_{-160.0}$	$0.1158^{+0.0006}_{-0.0006}$	$3.013^{+0.017}_{-0.027}$	$88.2^{+1.5}_{-1.5}$
	$0.92554544^{+8e-08}_{-8e-08}$	$4.22^{+0.12}_{-0.05}$	–	–	
	Kokori et al. (2022)	Gillon et al. (2014)	Southworth & Evans (2016)		
WASP-104b	$2457048.59061^{+0.00016}_{-0.00016}$	$5475.0^{+127.0}_{-127.0}$	$0.1214^{+0.0008}_{-0.0008}$	$6.52^{+0.13}_{-0.13}$	$83.63^{+0.25}_{-0.25}$
	$1.755406^{+3e-07}_{-3e-07}$	$4.5^{+0.02}_{-0.02}$	–	–	
	Kokori et al. (2022)	Smith et al. (2014)	Smith et al. (2014)		
WASP-105b	$2456600.07728^{+0.0002}_{-0.0002}$	$5070.0^{+130.0}_{-130.0}$	$0.10954^{+0.00046}_{-0.00046}$	$17.9^{+0.2}_{-0.2}$	$89.7^{+0.2}_{-0.2}$

	$7.87288^{+1e-05}_{-1e-05}$	$4.2^{+0.2}_{-0.2}$	–	–	
	Anderson et al. (2017)	Anderson et al. (2017)	Anderson et al. (2017)		
WASP-106b	$2456649.5505^{+0.0003}_{-0.0003}$	$6055.0^{+136.0}_{-136.0}$	$0.0801^{+0.0011}_{-0.0011}$	$14.2^{+0.11}_{-0.43}$	$89.5^{+0.3}_{-0.6}$
	$9.289715^{+1e-05}_{-1e-05}$	$4.23^{+0.01}_{-0.02}$	–	–	
	Smith et al. (2014)	Smith et al. (2014)	Smith et al. (2014)		
WASP-107b	$2456680.3346^{+0.0003}_{-0.0003}$	$4430.0^{+120.0}_{-120.0}$	$0.1446^{+0.0002}_{-0.0002}$	$17.96^{+0.05}_{-0.05}$*	$89.56^{+0.08}_{-0.08}$
	$5.721488^{+3e-06}_{-3e-06}$	$4.5^{+0.1}_{-0.1}$	–	–	
	Kokori et al. (2022)	Anderson et al. (2017)	Močnik et al. (2017a)		
WASP-10b	$2455638.24761^{+4e-05}_{-4e-05}$	$4675.0^{+100.0}_{-100.0}$	$0.1592^{+0.0011}_{-0.0011}$	$11.65^{+0.09}_{-0.13}$	$88.49^{+0.22}_{-0.17}$
	$3.09272826^{+1e-07}_{-1e-07}$	$4.4^{+0.2}_{-0.2}$	–	–	
	Kokori et al. (2022)	Christian et al. (2009)	Johnson et al. (2009b)		
WASP-113b	$2457201.64037^{+4e-05}_{-4e-05}$	$5890.0^{+140.0}_{-140.0}$	$0.0899^{+0.0016}_{-0.0016}$	$7.87^{+0.14}_{-0.14}$	$86.5^{+1.2}_{-0.6}$
	$4.54217^{+3e-06}_{-3e-06}$	$4.2^{+0.1}_{-0.1}$	–	–	
	Kokori et al. (2022)	Barros et al. (2016)	Barros et al. (2016)		
WASP-114b	$2457242.33222^{+0.0002}_{-0.0002}$	$5940.0^{+140.0}_{-140.0}$	$0.0963^{+0.0008}_{-0.0008}$	$4.29^{+0.11}_{-0.11}$	$84.0^{+0.9}_{-0.9}$
	$1.5487752^{+3e-07}_{-3e-07}$	$4.3^{+0.1}_{-0.1}$	$0.012^{+0.022}_{-0.009}$	$289.0^{+150.0}_{-35.0}$	
	Kokori et al. (2022)	Barros et al. (2016)	Barros et al. (2016)		
WASP-117b	$2457355.5137^{+0.0006}_{-0.0006}$	$6038.0^{+88.0}_{-88.0}$	$0.09^{+0.003}_{-0.003}$	$17.4^{+0.8}_{-0.8}$	$89.1^{+0.3}_{-0.3}$
	$10.020607^{+1.1e-05}_{-1.1e-05}$	$4.28^{+0.16}_{-0.16}$	$0.302^{+0.023}_{-0.023}$	$242.0^{+2.3}_{-2.7}$	
	Mallonn et al. (2019b)	Lendl et al. (2014)	Lendl et al. (2014)		
WASP-118b	$2457423.045614^{+2e-05}_{-2e-05}$	$6410.0^{+125.0}_{-125.0}$	$0.08173^{+6e-05}_{-6e-05}$	$6.707^{+0.015}_{-0.015}$	$88.24^{+0.14}_{-0.14}$
	$4.046041^{+3e-06}_{-3e-06}$	$4.1^{+0.01}_{-0.01}$	–	–	
	Močnik et al. (2017a)	Hay et al. (2016)	Močnik et al. (2017a)		
WASP-119b	$2458924.8626^{+0.0004}_{-0.0004}$	$5650.0^{+100.0}_{-100.0}$	$0.114^{+0.003}_{-0.003}$	$6.3^{+0.7}_{-0.5}$	$85.0^{+2.0}_{-2.0}$
	$2.4998045^{+1.7e-06}_{-1.7e-06}$	$4.26^{+0.08}_{-0.08}$	–	–	
	Kokori et al. (2022)	Maxted et al. (2016)	Maxted et al. (2016)		
WASP-11b	$2456200.28683^{+9e-05}_{-9e-05}$	$4800.0^{+100.0}_{-100.0}$	$0.131^{+0.0008}_{-0.0008}$	$12.3^{+0.11}_{-0.11}$	$89.1^{+0.5}_{-0.5}$
	$3.722479^{+3e-07}_{-3e-07}$	$4.45^{+0.2}_{-0.2}$	–	–	
	Kokori et al. (2022)	West et al. (2009a)	Wang et al. (2014b)		
WASP-120b	$2456779.4363^{+0.0005}_{-0.0005}$	$6450.0^{+120.0}_{-120.0}$	$0.0809^{+0.001}_{-0.001}$	$5.9^{+0.3}_{-0.3}$	$82.5^{+0.8}_{-0.8}$
	$3.611271^{+4e-06}_{-4e-06}$	$4.04^{+0.05}_{-0.05}$	$0.057^{+0.022}_{-0.018}$	$333.0^{+48.0}_{-28.0}$	
	Turner et al. (2016b)	Turner et al. (2016b)	Turner et al. (2016b)		
WASP-121b	$2457404.48798^{+6e-05}_{-6e-05}$	$6459.0^{+140.0}_{-140.0}$	$0.1245^{+0.0005}_{-0.0005}$	$3.754^{+0.023}_{-0.028}$	$87.6^{+0.6}_{-0.6}$
	$1.27492477^{+1.2e-07}_{-1.2e-07}$	$4.24^{+0.01}_{-0.01}$	–	–	
	Kokori et al. (2022)	Delrez et al. (2016)	Delrez et al. (2016)		
WASP-123b	$2456845.1716^{+0.0004}_{-0.0004}$	$5740.0^{+130.0}_{-130.0}$	$0.1054^{+0.0013}_{-0.0013}$	$7.13^{+0.25}_{-0.25}$	$85.7^{+0.6}_{-0.6}$
	$2.9776412^{+2.3e-06}_{-2.3e-06}$	$4.29^{+0.03}_{-0.03}$	–	–	
	Turner et al. (2016b)	Turner et al. (2016b)	Turner et al. (2016b)		
WASP-124b	$2457173.60811^{+0.00012}_{-0.00012}$	$6050.0^{+100.0}_{-100.0}$	$0.1241^{+0.0008}_{-0.0008}$	$9.4^{+1.9}_{-1.4}$	$86.3^{+0.2}_{-0.2}$
	$3.3726492^{+8e-07}_{-8e-07}$	$4.44^{+0.02}_{-0.02}$	–	–	
	Kokori et al. (2022)	Maxted et al. (2016)	Maxted et al. (2016)		
WASP-126b	$2457758.5601^{+0.0006}_{-0.0006}$	$5800.0^{+100.0}_{-100.0}$	$0.0781^{+0.0013}_{-0.0013}$	$7.63^{+0.24}_{-0.59}$	$87.9^{+1.5}_{-1.5}$
	$3.2887885^{+1.8e-06}_{-1.8e-06}$	$4.28^{+0.03}_{-0.07}$	–	–	
	Kokori et al. (2022)	Maxted et al. (2016)	Maxted et al. (2016)		
WASP-127b	$2457248.7421^{+0.00016}_{-0.00016}$	$5620.0^{+85.0}_{-85.0}$	$0.1004^{+0.0014}_{-0.0014}$	$7.95^{+0.19}_{-0.27}$	$88.2^{+1.1}_{-0.9}$
	$4.178062^{+2e-06}_{-2e-06}$	$4.18^{+0.01}_{-0.01}$	–	–	
	Lam et al. (2017)	Lam et al. (2017)	Palle et al. (2017)		
WASP-129b	$2457027.43807^{+0.0002}_{-0.0002}$	$5900.0^{+100.0}_{-100.0}$	$0.1068^{+0.0005}_{-0.0005}$	$15.2^{+0.4}_{-0.4}$	$87.7^{+0.2}_{-0.2}$
	$5.748145^{+4e-06}_{-4e-06}$	$4.53^{+0.02}_{-0.02}$	–	–	

	Maxted et al. (2016)	Maxted et al. (2016)	Maxted et al. (2016)		
WASP-12b	$2456594.6816^{+4e-05}_{-4e-05}$	$6300.0^{+200.0}_{-200.0}$	$0.1178^{+0.0005}_{-0.0005}$	$3.04^{+0.03}_{-0.03}$	$83.4^{+0.7}_{-0.6}$
	$1.09141964^{+4e-08}_{-4e-08}$	$4.18^{+0.06}_{-0.06}$	–	–	
	Kokori et al. (2022)	Hebb et al. (2009)	Collins et al. (2017)		
WASP-130b	$2456921.1438^{+0.0003}_{-0.0003}$	$5625.0^{+90.0}_{-90.0}$	$0.0957^{+0.0007}_{-0.0007}$	$22.66^{+0.03}_{-0.03}$	$88.66^{+0.12}_{-0.12}$
	$11.55098^{+1e-05}_{-1e-05}$	$4.49^{+0.02}_{-0.02}$	–	–	
	Hellier et al. (2017)	Hellier et al. (2017)	Hellier et al. (2017)		
WASP-131b	$2456919.8244^{+0.0004}_{-0.0004}$	$6030.0^{+90.0}_{-90.0}$	$0.0815^{+0.0007}_{-0.0007}$	$8.376^{+0.02}_{-0.02}$	$85.0^{+0.3}_{-0.3}$
	$5.322023^{+5e-06}_{-5e-06}$	$4.09^{+0.03}_{-0.03}$	–	–	
	Hellier et al. (2017)	Hellier et al. (2017)	Hellier et al. (2017)		
WASP-132b	$2457732.5679^{+0.0003}_{-0.0003}$	$4775.0^{+100.0}_{-100.0}$	$0.1208^{+0.0012}_{-0.0012}$	$19.31^{+0.18}_{-0.18}$*	$89.6^{+0.3}_{-0.3}$
	$7.1335135^{+1.8e-06}_{-1.8e-06}$	$4.61^{+0.02}_{-0.02}$	–	–	
	Kokori et al. (2022)	Hellier et al. (2017)	Hellier et al. (2017)		
WASP-133b	$2457262.80855^{+0.00019}_{-0.00019}$	$5700.0^{+100.0}_{-100.0}$	$0.086^{+0.0006}_{-0.0006}$	$5.16^{+0.08}_{-0.15}$	$87.0^{+1.0}_{-1.0}$
	$2.1764231^{+8e-07}_{-8e-07}$	$4.18^{+0.02}_{-0.02}$	–	–	
	Kokori et al. (2022)	Maxted et al. (2016)	Maxted et al. (2016)		
WASP-135b	$2458606.9117^{+0.0003}_{-0.0003}$	$5675.0^{+60.0}_{-60.0}$	$0.139^{+0.003}_{-0.003}$	$5.53^{+0.18}_{-0.18}$*	$82.0^{+0.6}_{-0.6}$
	$1.4013788^{+4e-07}_{-4e-07}$	$4.47^{+0.03}_{-0.03}$	–	–	
	Kokori et al. (2022)	Spake et al. (2016)	Spake et al. (2016)		
WASP-136b	$2456776.9069^{+0.0011}_{-0.0011}$	$6260.0^{+100.0}_{-100.0}$	$0.0641^{+0.0012}_{-0.0012}$	$6.39^{+0.14}_{-0.14}$	$84.7^{+1.6}_{-1.3}$
	$5.215357^{+6e-06}_{-6e-06}$	$3.9^{+0.06}_{-0.06}$	–	–	
	Lam et al. (2017)	Lam et al. (2017)	Lam et al. (2017)		
WASP-138b	$2457326.6226^{+0.0003}_{-0.0003}$	$6272.0^{+96.0}_{-96.0}$	$0.0826^{+0.0008}_{-0.0008}$	$7.39^{+0.15}_{-0.15}$*	$88.5^{+0.9}_{-1.2}$
	$3.634433^{+5e-06}_{-5e-06}$	$4.25^{+0.02}_{-0.02}$	–	–	
	Lam et al. (2017)	Lam et al. (2017)	Lam et al. (2017)		
WASP-139b	$2457196.7941^{+0.0003}_{-0.0003}$	$5310.0^{+90.0}_{-90.0}$	$0.1034^{+0.0015}_{-0.0015}$	$17.19^{+0.14}_{-0.14}$	$88.9^{+0.5}_{-0.5}$
	$5.924262^{+4e-06}_{-4e-06}$	$4.59^{+0.06}_{-0.06}$	–	–	
	Hellier et al. (2017)	Hellier et al. (2017)	Hellier et al. (2017)		
WASP-13b	$2455575.5144^{+0.0016}_{-0.0016}$	$5826.0^{+100.0}_{-100.0}$	$0.0933^{+0.0021}_{-0.0021}$	$8.51^{+0.21}_{-0.21}$	$86.9^{+1.6}_{-1.2}$
	$4.353011^{+1.3e-05}_{-1.3e-05}$	$4.04^{+0.2}_{-0.2}$	–	–	
	Barros et al. (2012)	Skillen et al. (2009)	Skillen et al. (2009)		
WASP-140b	$2457205.26576^{+0.00022}_{-0.00022}$	$5260.0^{+100.0}_{-100.0}$	$0.1432^{+0.007}_{-0.007}$	$7.94^{+0.12}_{-0.12}$*	$83.3^{+0.5}_{-0.8}$
	$2.2359838^{+7e-07}_{-7e-07}$	$4.51^{+0.04}_{-0.04}$	$0.047^{+0.004}_{-0.004}$	$356.0^{+8.0}_{-8.0}$	
	Kokori et al. (2022)	Hellier et al. (2017)	Hellier et al. (2017)		
WASP-141b	$2457019.5961^{+0.0003}_{-0.0003}$	$5900.0^{+120.0}_{-120.0}$	$0.0911^{+0.0011}_{-0.0011}$	$7.4^{+0.12}_{-0.12}$	$87.6^{+1.3}_{-1.3}$
	$3.310651^{+5e-06}_{-5e-06}$	$4.26^{+0.04}_{-0.04}$	–	–	
	Hellier et al. (2017)	Hellier et al. (2017)	Hellier et al. (2017)		
WASP-142b	$2457007.7787^{+0.0004}_{-0.0004}$	$6010.0^{+140.0}_{-140.0}$	$0.0957^{+0.0014}_{-0.0014}$	$4.524^{+0.02}_{-0.02}$	$80.2^{+0.6}_{-0.6}$
	$2.052868^{+2e-06}_{-2e-06}$	$4.13^{+0.04}_{-0.04}$	–	–	
	Hellier et al. (2017)	Hellier et al. (2017)	Hellier et al. (2017)		
WASP-144b	$2457157.27572^{+0.00015}_{-0.00015}$	$5200.0^{+140.0}_{-140.0}$	$0.1079^{+0.0013}_{-0.0013}$	$8.39^{+0.23}_{-0.23}$	$86.9^{+0.5}_{-0.5}$
	$2.2783152^{+1.3e-06}_{-1.3e-06}$	$4.53^{+0.03}_{-0.03}$	–	–	
	Hellier et al. (2019a)	Hellier et al. (2019a)	Hellier et al. (2019a)		
WASP-145Ab	$2456844.166^{+0.0003}_{-0.0003}$	$4900.0^{+150.0}_{-150.0}$	$0.108^{+0.012}_{-0.012}$	$8.09^{+0.09}_{-0.09}$*	$83.3^{+1.3}_{-1.3}$
	$1.7690381^{+8e-07}_{-8e-07}$	$4.65^{+0.1}_{-0.1}$	–	–	
	Hellier et al. (2019a)	Hellier et al. (2019a)	Hellier et al. (2019a)		
WASP-147b	$2456562.5958^{+0.0013}_{-0.0013}$	$5702.0^{+100.0}_{-100.0}$	$0.08^{+0.004}_{-0.004}$	$8.3^{+0.4}_{-0.7}$	$87.9^{+1.5}_{-1.6}$
	$4.60273^{+3e-05}_{-3e-05}$	$4.15^{+0.09}_{-0.09}$	–	–	
	Lendl et al. (2019)	Lendl et al. (2019)	Lendl et al. (2019)		
WASP-14b	$2455643.79792^{+0.00011}_{-0.00011}$	$6475.0^{+100.0}_{-100.0}$	$0.0942^{+0.0004}_{-0.0004}$	$5.99^{+0.09}_{-0.09}$	$84.63^{+0.24}_{-0.24}$

	$2.24376628^{+2.4e-07}_{-2.4e-07}$ Kokori et al. (2022)	$4.29^{+0.07}_{-0.07}$ Joshi et al. (2009)	$0.083^{+0.003}_{-0.003}$ Wong et al. (2015)	$252.7^{+0.7}_{-0.8}$	
WASP-151b	$2457741.00889^{+0.0002}_{-0.0002}$ $4.533471^{+4e-06}_{-4e-06}$ Demangeon et al. (2018)	$5871.0^{+57.0}_{-57.0}$ $4.35^{+0.02}_{-0.03}$ Demangeon et al. (2018)	$0.1011^{+0.0005}_{-0.0005}$ – Demangeon et al. (2018)	$10.34^{+0.11}_{-0.19}$ –	$89.2^{+0.6}_{-0.6}$
WASP-153b	$2458018.151^{+0.0007}_{-0.0007}$ $3.3326099^{+2e-06}_{-2e-06}$ Kokori et al. (2022)	$5914.0^{+64.0}_{-64.0}$ $4.1^{+0.06}_{-0.06}$ Demangeon et al. (2018)	$0.092^{+0.001}_{-0.001}$ – Demangeon et al. (2018)	$6.0^{+0.3}_{-0.2}$ –	$84.1^{+0.7}_{-0.7}$
WASP-156b	$2454677.7078^{+0.002}_{-0.002}$ $3.836169^{+3e-06}_{-3e-06}$ Demangeon et al. (2018)	$4910.0^{+61.0}_{-61.0}$ $4.6^{+0.04}_{-0.07}$ Demangeon et al. (2018)	$0.0685^{+0.0012}_{-0.0012}$ – Demangeon et al. (2018)	$12.8^{+0.3}_{-0.7}$ –	$89.1^{+0.6}_{-0.9}$
WASP-157b	$2457265.70719^{+9e-05}_{-9e-05}$ $3.951605^{+3e-06}_{-3e-06}$ Kokori et al. (2022)	$5838.0^{+140.0}_{-140.0}$ $4.5^{+0.2}_{-0.2}$ Močnik et al. (2016)	$0.0944^{+0.0019}_{-0.0019}$ – Močnik et al. (2016)	$10.04^{+0.04}_{-0.04}$ –	$84.93^{+0.45}_{-0.21}$
WASP-158b	$2457619.9203^{+0.001}_{-0.001}$ $3.656333^{+4e-06}_{-4e-06}$ Hellier et al. (2019a)	$6350.0^{+150.0}_{-150.0}$ $4.3^{+0.05}_{-0.11}$ Hellier et al. (2019a)	$0.079^{+0.003}_{-0.003}$ – Hellier et al. (2019a)	$8.0^{+0.4}_{-1.0}$ –	$87.7^{+1.5}_{-1.5}$
WASP-159b	$2457668.0857^{+0.0009}_{-0.0009}$ $3.840401^{+7e-06}_{-7e-06}$ Hellier et al. (2019a)	$6120.0^{+140.0}_{-140.0}$ $3.94^{+0.04}_{-0.04}$ Hellier et al. (2019a)	$0.0673^{+0.0013}_{-0.0013}$ – Hellier et al. (2019a)	$5.44^{+0.15}_{-0.29}$ –	$88.1^{+1.4}_{-1.4}$
WASP-15b	$2455890.4286^{+0.0003}_{-0.0003}$ $3.7520987^{+1.6e-06}_{-1.6e-06}$ Kokori et al. (2022)	$6300.0^{+100.0}_{-100.0}$ $4.17^{+0.06}_{-0.06}$ West et al. (2009b)	$0.0951^{+0.0008}_{-0.0008}$ – Southworth et al. (2013)	$7.3^{+0.18}_{-0.17}$ –	$85.7^{+0.4}_{-0.4}$
WASP-160Bb	$2457383.65573^{+0.00021}_{-0.00021}$ $3.768495^{+3e-06}_{-3e-06}$ Lendl et al. (2019)	$5298.0^{+99.0}_{-99.0}$ $4.5^{+0.05}_{-0.05}$ Lendl et al. (2019)	$0.129^{+0.0017}_{-0.0017}$ – Lendl et al. (2019)	$11.25^{+0.19}_{-0.31}$ –	$89.0^{+0.6}_{-0.6}$
WASP-161b	$2457416.5297^{+0.0011}_{-0.0011}$ $5.4060425^{+4.8e-06}_{-4.8e-06}$ Barkaoui et al. (2019)	$6400.0^{+100.0}_{-100.0}$ $4.11^{+0.02}_{-0.03}$ Barkaoui et al. (2019)	$0.0671^{+0.0017}_{-0.0017}$ – Barkaoui et al. (2019)	$8.49^{+0.13}_{-0.28}$ –	$89.01^{+0.69}_{-1.0}$
WASP-162b	$2457701.3824^{+0.0006}_{-0.0006}$ $9.62468^{+1e-05}_{-1e-05}$ Hellier et al. (2019a)	$5300.0^{+100.0}_{-100.0}$ $4.33^{+0.03}_{-0.03}$ Hellier et al. (2019a)	$0.0933^{+0.0016}_{-0.0016}$ $0.434^{+0.005}_{-0.005}$ Hellier et al. (2019a)	$17.0^{+0.4}_{-0.6}$ $358.1^{+2.2}_{-2.2}$	$89.3^{+0.5}_{-0.5}$
WASP-164b	$2457747.6583^{+0.0003}_{-0.0003}$ $1.7771363^{+6e-07}_{-6e-07}$ Kokori et al. (2022)	$5806.0^{+190.0}_{-200.0}$ $4.48^{+0.04}_{-0.04}$ Lendl et al. (2019)	$0.1242^{+0.0013}_{-0.0013}$ – Lendl et al. (2019)	$6.5^{+0.13}_{-0.13}$ –	$82.73^{+0.22}_{-0.21}$
WASP-165b	$2457649.7122^{+0.0009}_{-0.0009}$ $3.465509^{+2.3e-05}_{-2.3e-05}$ Lendl et al. (2019)	$5599.0^{+150.0}_{-150.0}$ $4.05^{+0.09}_{-0.09}$ Lendl et al. (2019)	$0.074^{+0.004}_{-0.004}$ – Lendl et al. (2019)	$5.9^{+0.7}_{-0.6}$ –	$84.9^{+2.5}_{-1.7}$
WASP-166b	$2457664.3289^{+0.0006}_{-0.0006}$ $5.44354^{+4e-06}_{-4e-06}$ Hellier et al. (2019b)	$6050.0^{+50.0}_{-50.0}$ $4.34^{+0.05}_{-0.05}$ Hellier et al. (2019b)	$0.05301^{+0.00066}_{-0.00066}$ – Hellier et al. (2019b)	$11.3^{+0.6}_{-0.6}$ –	$88.0^{+0.7}_{-0.7}$
WASP-167b	$2456717.82564^{+0.00019}_{-0.00019}$ $2.021957^{+7e-07}_{-7e-07}$ Kokori et al. (2022)	$7000.0^{+250.0}_{-250.0}$ $4.13^{+0.02}_{-0.02}$ Temple et al. (2017)	$0.0906^{+0.0006}_{-0.0006}$ – Temple et al. (2017)	$4.23^{+0.08*}_{-0.07}$ –	$79.9^{+0.3}_{-0.3}$
WASP-168b	$2457424.5286^{+0.0004}_{-0.0004}$ $4.153658^{+3e-06}_{-3e-06}$ Hellier et al. (2019a)	$6000.0^{+100.0}_{-100.0}$ $4.37^{+0.05}_{-0.05}$ Hellier et al. (2019a)	$0.109^{+0.007}_{-0.007}$ – Hellier et al. (2019a)	$9.6^{+0.7}_{-0.4}$ –	$84.4^{+0.6}_{-0.6}$
WASP-169b	$2457697.0184^{+0.0014}_{-0.0014}$ $5.6114118^{+9.2e-06}_{-9.2e-06}$ Nielsen et al. (2019)	$6110.0^{+101.0}_{-101.0}$ $3.96^{+0.03}_{-0.08}$ Nielsen et al. (2019)	$0.0668^{+0.0021}_{-0.0021}$ – Nielsen et al. (2019)	$7.3^{+0.68}_{-0.26}$ –	$87.9^{+1.4}_{-2.0}$

WASP-16b	$2455732.07584^{+0.00022}_{-0.00022}$ $3.1186037^{+7e-07}_{-7e-07}$ Kokori et al. (2022)	$5700.0^{+150.0}_{-150.0}$ $4.49^{+0.08}_{-0.08}$ Lister et al. (2009)	$0.119^{+0.0022}_{-0.0022}$ – Southworth et al. (2013)	$8.21^{+0.21}_{-0.2}$ –	$84.0^{+0.3}_{-0.3}$
WASP-170b	$2457802.3923^{+0.0002}_{-0.0002}$ $2.3447802^{+3.6e-06}_{-3.6e-06}$ Barkaoui et al. (2019)	$5600.0^{+150.0}_{-150.0}$ $4.47^{+0.03}_{-0.03}$ Barkaoui et al. (2019)	$0.1175^{+0.0041}_{-0.0041}$ – Barkaoui et al. (2019)	$7.71^{+0.21}_{-0.18}$ –	$84.87^{+0.28}_{-0.28}$
WASP-172b	$2457032.2625^{+0.0005}_{-0.0005}$ $5.477433^{+7e-06}_{-7e-06}$ Hellier et al. (2019a)	$6900.0^{+140.0}_{-140.0}$ $4.05^{+0.05}_{-0.05}$ Hellier et al. (2019a)	$0.0849^{+0.0012}_{-0.0012}$ – Hellier et al. (2019a)	$7.69^{+0.12}_{-0.12}$* –	$86.7^{+1.1}_{-1.1}$
WASP-173Ab	$2457288.85931^{+0.0002}_{-0.0002}$ $1.3866532^{+3e-07}_{-3e-07}$ Hellier et al. (2019a)	$5800.0^{+140.0}_{-140.0}$ $4.37^{+0.03}_{-0.03}$ Hellier et al. (2019a)	$0.1109^{+0.0009}_{-0.0009}$ – Hellier et al. (2019a)	$4.78^{+0.17}_{-0.17}$* –	$85.2^{+1.1}_{-1.1}$
WASP-174b	$2457465.9336^{+0.0004}_{-0.0004}$ 4.2337^{+3e-06}_{-3e-06} Temple et al. (2018)	$6400.0^{+100.0}_{-100.0}$ $4.32^{+0.04}_{-0.04}$ Temple et al. (2018)	$0.0927^{+0.0016}_{-0.0016}$ – Temple et al. (2018)	$9.17^{+0.21}_{-0.16}$* –	$84.2^{+0.5}_{-0.5}$
WASP-175b	$2457143.78964^{+0.00034}_{-0.00034}$ $3.0652907^{+1.1e-06}_{-1.1e-06}$ Nielsen et al. (2019)	$6229.0^{+100.0}_{-100.0}$ $4.36^{+0.04}_{-0.04}$ Nielsen et al. (2019)	$0.1032^{+0.0017}_{-0.0017}$ – Nielsen et al. (2019)	$7.86^{+0.41}_{-0.41}$ –	$85.33^{+0.62}_{-0.62}$
WASP-177b	$2457994.3722^{+0.00028}_{-0.00028}$ $3.071722^{+1e-06}_{-1e-06}$ Turner et al. (2019)	$5017.0^{+70.0}_{-70.0}$ $4.49^{+0.05}_{-0.04}$ Turner et al. (2019)	$0.136^{+0.0129}_{-0.0129}$ – Turner et al. (2019)	$9.25^{+0.06}_{-0.06}$* –	$84.14^{+0.66}_{-0.83}$
WASP-17b	$2454592.8015^{+0.0005}_{-0.0005}$ $3.7354845^{+1.9e-06}_{-1.9e-06}$ Southworth et al. (2012c)	$6550.0^{+100.0}_{-100.0}$ $4.24^{+0.13}_{-0.13}$ Anderson et al. (2010)	$0.1235^{+0.0011}_{-0.0011}$ – Sedaghati et al. (2016)	$7.03^{+0.15}_{-0.15}$ –	$87.1^{+0.6}_{-0.6}$
WASP-180Ab	$2457763.315^{+0.0001}_{-0.0001}$ $3.409264^{+1e-06}_{-1e-06}$ Temple et al. (2019a)	$6600.0^{+200.0}_{-200.0}$ $4.42^{+0.01}_{-0.01}$ Temple et al. (2019a)	$0.11091^{+0.0009}_{-0.0009}$ – Temple et al. (2019a)	$8.75^{+1.13}_{-1.01}$ –	$88.1^{+0.1}_{-0.1}$
WASP-181b	$2457747.66978^{+0.00035}_{-0.00035}$ $4.5195064^{+3.4e-06}_{-3.4e-06}$ Turner et al. (2019)	$5839.0^{+70.0}_{-70.0}$ $4.38^{+0.08}_{-0.08}$ Turner et al. (2019)	$0.1261^{+0.0015}_{-0.0015}$ – Turner et al. (2019)	$12.09^{+0.54}_{-0.54}$ –	$88.38^{+0.76}_{-0.59}$
WASP-183b	$2457796.1853^{+0.0024}_{-0.0024}$ $4.1117771^{+5.1e-06}_{-5.1e-06}$ Turner et al. (2019)	$5313.0^{+72.0}_{-72.0}$ $4.45^{+0.04}_{-0.04}$ Turner et al. (2019)	$0.195^{+0.003}_{-0.003}$ – Turner et al. (2019)	$11.44^{+0.54}_{-0.54}$ –	$85.37^{+0.61}_{-0.88}$
WASP-186b	$2456237.12028^{+0.0009}_{-0.0009}$ $5.026799^{+1.2e-05}_{-1.2e-05}$ Schanche et al. (2020)	$6361.0^{+105.0}_{-82.0}$ $4.19^{+0.03}_{-0.03}$ Schanche et al. (2020)	$0.0781^{+0.0019}_{-0.0019}$ $0.33^{+0.01}_{-0.01}$ Schanche et al. (2020)	$8.78^{+0.3}_{-0.31}$ $173.0^{+3.0}_{-3.0}$	$83.59^{+0.55}_{-0.49}$
WASP-18b	$2455562.11007^{+7e-05}_{-7e-05}$ $0.94145254^{+8e-08}_{-8e-08}$ Kokori et al. (2022)	$6400.0^{+100.0}_{-100.0}$ $4.4^{+0.15}_{-0.15}$ Hellier et al. (2009a)	$0.09716^{+0.00014}_{-0.00014}$ $0.0091^{+0.0012}_{-0.0012}$ Shporer et al. (2019)	$3.562^{+0.022}_{-0.023}$ $269.0^{+3.0}_{-3.0}$	$84.9^{+0.3}_{-0.3}$
WASP-190b	$2457799.1256^{+0.0007}_{-0.0007}$ $5.367753^{+4e-06}_{-4e-06}$ Temple et al. (2019b)	$6400.0^{+100.0}_{-100.0}$ $4.17^{+0.04}_{-0.04}$ Temple et al. (2019b)	$0.0787^{+0.0013}_{-0.0013}$ – Temple et al. (2019b)	$8.89^{+5.29}_{-3.11}$ –	$87.1^{+0.7}_{-0.7}$
WASP-192b	$2457271.3339^{+0.0017}_{-0.0017}$ $2.8786765^{+2.8e-06}_{-2.8e-06}$ Hellier et al. (2019c)	$5900.0^{+150.0}_{-150.0}$ $4.24^{+0.05}_{-0.05}$ Hellier et al. (2019c)	$0.0962^{+0.0032}_{-0.0032}$ – Hellier et al. (2019c)	$6.65^{+0.34}_{-0.34}$ –	$82.7^{+0.6}_{-0.6}$
WASP-19b	$2456688.273095^{+2.3e-05}_{-2.3e-05}$ $0.788839195^{+1.9e-08}_{-1.9e-08}$ Kokori et al. (2022)	$5500.0^{+100.0}_{-100.0}$ $4.5^{+0.2}_{-0.2}$ Hebb et al. (2010)	$0.1409^{+0.0013}_{-0.0013}$ $0.002^{+0.014}_{-0.002}$ Wong et al. (2016)	$3.46^{+0.08}_{-0.08}$ $259.0^{+13.0}_{-170.0}$	$78.8^{+0.6}_{-0.6}$
WASP-1b	$2455215.32701^{+0.00015}_{-0.00015}$	$6110.0^{+75.0}_{-75.0}$	$0.1036^{+0.0008}_{-0.0008}$	$5.69^{+0.03}_{-0.06}$	$90.0^{+1.3}_{-1.3}$

	$2.5199471^{+3e-07}_{-3e-07}$	$4.28^{+0.16}_{-0.16}$	–	–	
	Kokori et al. (2022)	Torres et al. (2008)	Maciejewski et al. (2014)		
WASP-20b	$2456367.3093^{+0.0004}_{-0.0004}$	$5940.0^{+100.0}_{-100.0}$	$0.101^{+0.005}_{-0.005}$	$10.6^{+0.08}_{-0.08}*$	$86.8^{+0.9}_{-0.9}$
	$4.8996461^{+1.6e-06}_{-1.6e-06}$	$4.23^{+0.02}_{-0.02}$	–	–	
	Kokori et al. (2022)	Anderson et al. (2015a)	Evans et al. (2016)		
WASP-21b	$2457660.73516^{+0.00016}_{-0.00016}$	$5800.0^{+100.0}_{-100.0}$	$0.104^{+0.0018}_{-0.0018}$	$10.54^{+0.15}_{-0.15}$	$88.8^{+0.8}_{-0.7}$
	$4.3225038^{+8e-07}_{-8e-07}$	$4.2^{+0.1}_{-0.1}$	–	–	
	Kokori et al. (2022)	Bouchy et al. (2010)	Bouchy et al. (2010)		
WASP-22b	$2455532.72776^{+0.00022}_{-0.00022}$	$6000.0^{+100.0}_{-100.0}$	$0.0978^{+0.0012}_{-0.0012}$	$8.38^{+0.19}_{-0.19}$	$88.6^{+1.0}_{-1.0}$
	$3.5327306^{+7e-07}_{-7e-07}$	$4.37^{+0.02}_{-0.02}$	–	–	
	Southworth et al. (2016)	Maxted et al. (2010a)	Southworth et al. (2016)		
WASP-23b	$2456333.00703^{+8e-05}_{-8e-05}$	$5150.0^{+100.0}_{-100.0}$	$0.13^{+0.0004}_{-0.0004}$	$10.21^{+0.19}_{-0.19}*$	$88.4^{+0.8}_{-0.5}$
	$2.94442732^{+2.2e-07}_{-2.2e-07}$	$4.56^{+0.09}_{-0.09}$	–	–	
	Kokori et al. (2022)	Triaud et al. (2011)	Triaud et al. (2011)		
WASP-24b	$2455402.12744^{+0.00015}_{-0.00015}$	$6075.0^{+100.0}_{-100.0}$	$0.1018^{+0.0007}_{-0.0007}$	$5.94^{+0.13}_{-0.13}$	$83.9^{+0.4}_{-0.4}$
	$2.3412202^{+3e-07}_{-3e-07}$	$4.263^{+0.022}_{-0.022}$	–	–	
	Kokori et al. (2022)	Street et al. (2010)	Southworth et al. (2014)		
WASP-25b	$2456396.9176^{+0.0004}_{-0.0004}$	$5703.0^{+100.0}_{-100.0}$	$0.1387^{+0.001}_{-0.001}$	$11.22^{+0.18}_{-0.17}$	$88.1^{+0.3}_{-0.3}$
	$3.7648334^{+9e-07}_{-9e-07}$	$4.51^{+0.04}_{-0.04}$	–	–	
	Kokori et al. (2022)	Enoch et al. (2011a)	Southworth et al. (2014)		
WASP-26b	$2456631.49797^{+0.00023}_{-0.00023}$	$5950.0^{+100.0}_{-100.0}$	$0.0991^{+0.0018}_{-0.0018}$	$6.64^{+0.16}_{-0.16}$	$82.8^{+0.3}_{-0.3}$
	$2.7565963^{+6e-07}_{-6e-07}$	$4.3^{+0.2}_{-0.2}$	–	–	
	Kokori et al. (2022)	Smalley et al. (2010)	Southworth et al. (2014)		
WASP-28b	$2457683.40894^{+3e-05}_{-3e-05}$	$6150.0^{+140.0}_{-140.0}$	$0.116^{+0.0017}_{-0.0017}$	$8.62^{+0.1}_{-0.1}*$	$88.3^{+1.6}_{-0.9}$
	$3.4088353^{+3e-07}_{-3e-07}$	$4.37^{+0.02}_{-0.02}$	–	–	
	Kokori et al. (2022)	Anderson et al. (2015a)	Maciejewski et al. (2016b)		
WASP-29b	$2456347.98683^{+0.00014}_{-0.00014}$	$4800.0^{+150.0}_{-150.0}$	$0.0982^{+0.0015}_{-0.0015}$	$12.36^{+0.13}_{-0.22}$	$89.2^{+0.5}_{-0.6}$
	$3.9227124^{+4e-07}_{-4e-07}$	$4.54^{+0.05}_{-0.05}$	–	–	
	Kokori et al. (2022)	Hellier et al. (2010)	Gibson et al. (2013a)		
WASP-2b	$2455097.75755^{+7e-05}_{-7e-05}$	$5200.0^{+200.0}_{-200.0}$	$0.1326^{+0.0007}_{-0.0007}$	$8.08^{+0.12}_{-0.12}$	$84.81^{+0.17}_{-0.17}$
	$2.15222231^{+1.5e-07}_{-1.5e-07}$	$4.54^{+0.04}_{-0.05}$	–	–	
	Kokori et al. (2022)	Torres et al. (2008)	Southworth et al. (2010)		
WASP-31b	$2456183.80208^{+0.0002}_{-0.0002}$	$6302.0^{+102.0}_{-102.0}$	$0.1271^{+0.0011}_{-0.0011}$	$8.0^{+0.19}_{-0.19}$	$84.41^{+0.22}_{-0.22}$
	$3.4058841^{+8e-07}_{-8e-07}$	$4.31^{+0.023}_{-0.023}$	–	–	
	Kokori et al. (2022)	Anderson et al. (2011a)	Anderson et al. (2011a)		
WASP-32b	$2456893.71806^{+0.00017}_{-0.00017}$	$6100.0^{+100.0}_{-100.0}$	$0.1114^{+0.0018}_{-0.0018}$	$7.8^{+0.3}_{-0.3}*$	$85.3^{+0.5}_{-0.5}$
	$2.7186631^{+4e-07}_{-4e-07}$	$4.39^{+0.04}_{-0.04}$	$0.018^{+0.006}_{-0.006}$	$130.0^{+30.0}_{-30.0}$	
	Kokori et al. (2022)	Maxted et al. (2010b)	Maxted et al. (2010b)		
WASP-34b	$2454647.5543^{+0.0006}_{-0.0006}$	$5700.0^{+100.0}_{-100.0}$	$0.1123^{+0.0012}_{-0.0012}$	$10.5^{+0.3}_{-0.3}$	$85.2^{+0.2}_{-0.2}$
	$4.317678^{+5e-06}_{-5e-06}$	$4.51^{+0.12}_{-0.12}$	$0.038^{+0.012}_{-0.012}$	$319.8^{+23.2}_{-18.6}$	
	Smalley et al. (2011)	Smalley et al. (2011)	Smalley et al. (2011)		
WASP-35b	$2455932.9992^{+0.00015}_{-0.00015}$	$5990.0^{+90.0}_{-90.0}$	$0.1241^{+0.0008}_{-0.0008}$	$8.34^{+0.07}_{-0.07}*$	$88.0^{+0.6}_{-0.5}$
	$3.1615699^{+4e-07}_{-4e-07}$	$4.39^{+0.03}_{-0.03}$	–	–	
	Kokori et al. (2022)	Enoch et al. (2011b)	Enoch et al. (2011b)		
WASP-36b	$2456526.07935^{+6e-05}_{-6e-05}$	$5959.0^{+134.0}_{-134.0}$	$0.1368^{+0.0006}_{-0.0006}$	$5.85^{+0.06}_{-0.05}$	$83.15^{+0.13}_{-0.13}$
	$1.53736541^{+1.1e-07}_{-1.1e-07}$	$4.499^{+0.022}_{-0.022}$	–	–	
	Kokori et al. (2022)	Smith et al. (2012)	Mancini et al. (2016b)		
WASP-37b	$2457524.4596^{+0.0003}_{-0.0003}$	$5800.0^{+150.0}_{-150.0}$	$0.1195^{+0.0013}_{-0.0013}$	$9.6^{+0.6}_{-0.6}$	$88.8^{+0.8}_{-0.9}$
	$3.5774793^{+8e-07}_{-8e-07}$	$4.4^{+0.07}_{-0.07}$	–	–	
	Kokori et al. (2022)	Simpson et al. (2011)	Simpson et al. (2011)		

WASP-38b	$2455335.9213^{+0.0007}_{-0.0007}$	$6150.0^{+80.0}_{-80.0}$	$0.0844^{+0.0011}_{-0.0011}$	$12.31^{+0.13*}_{-0.13}$	$89.7^{+0.3}_{-0.3}$
	$6.87181^{+5e-05}_{-5e-05}$	$4.27^{+0.024}_{-0.024}$	$0.031^{+0.005}_{-0.004}$	$344.0^{+18.0}_{-17.0}$	
	Barros et al. (2011)	Barros et al. (2011)	Barros et al. (2011)		
WASP-39b	$2455342.9696^{+0.00014}_{-0.00014}$	$5400.0^{+150.0}_{-150.0}$	$0.1457^{+0.0016}_{-0.0016}$	$11.37^{+0.24}_{-0.2}$	$87.75^{+0.27}_{-0.2}$
	$4.05528^{+7e-07}_{-7e-07}$	$4.498^{+0.024}_{-0.024}$	–	–	
	Fischer et al. (2016)	Faedi et al. (2011)	Maciejewski et al. (2016b)		
WASP-3b	$2455554.83317^{+7e-05}_{-7e-05}$	$6400.0^{+100.0}_{-100.0}$	$0.105^{+0.012}_{-0.012}$	$5.0^{+0.8}_{-0.6}$	$84.15^{+0.16}_{-0.16}$
	$1.84683511^{+1.3e-07}_{-1.3e-07}$	$4.25^{+0.05}_{-0.05}$	–	–	
	Kokori et al. (2022)	Pollacco et al. (2008)	Christiansen et al. (2011)		
WASP-41b	$2455996.67927^{+0.0001}_{-0.0001}$	$5450.0^{+150.0}_{-150.0}$	$0.1365^{+0.0006}_{-0.0006}$	$9.96^{+0.08}_{-0.08}$	$88.7^{+0.4}_{-0.4}$
	$3.0524015^{+4e-07}_{-4e-07}$	$4.5^{+0.05}_{-0.05}$	–	–	
	Southworth et al. (2016)	Maxted et al. (2011)	Southworth et al. (2016)		
WASP-42b	$2455650.56728^{+0.00015}_{-0.00015}$	$5200.0^{+150.0}_{-150.0}$	$0.1293^{+0.0008}_{-0.0008}$	$13.5^{+0.3}_{-0.3}$	$88.0^{+0.17}_{-0.17}$
	$4.9816819^{+1.1e-06}_{-1.1e-06}$	$4.52^{+0.06}_{-0.06}$	–	–	
	Southworth et al. (2016)	Lendl et al. (2012)	Southworth et al. (2016)		
WASP-43b	$2456047.051715^{+2.2e-05}_{-2.2e-05}$	$4400.0^{+200.0}_{-200.0}$	$0.1594^{+0.0004}_{-0.0004}$	$4.867^{+0.023}_{-0.023}$	$82.11^{+0.1}_{-0.1}$
	$0.81347414^{+3e-08}_{-3e-08}$	$4.64^{+0.07}_{-0.07}$	–	–	
	Kokori et al. (2022)	Hellier et al. (2011)	Hoyer et al. (2016)		
WASP-44b	$2456006.39613^{+9e-05}_{-9e-05}$	$5410.0^{+150.0}_{-150.0}$	$0.126^{+0.003}_{-0.003}$	$8.1^{+0.7}_{-0.5}$	$86.0^{+1.1}_{-0.9}$
	$2.4238107^{+3e-07}_{-3e-07}$	$4.48^{+0.07}_{-0.07}$	–	–	
	Kokori et al. (2022)	Anderson et al. (2012)	Anderson et al. (2012)		
WASP-45b	$2458254.7392^{+0.0003}_{-0.0003}$	$5140.0^{+200.0}_{-200.0}$	$0.1095^{+0.0024}_{-0.0024}$	$9.5^{+0.13}_{-0.12}$	$84.69^{+0.1}_{-0.1}$
	$3.1260777^{+8e-07}_{-8e-07}$	$4.45^{+0.09}_{-0.09}$	–	–	
	Kokori et al. (2022)	Anderson et al. (2012)	Ciceri et al. (2016)		
WASP-46b	$2456842.7141^{+0.00017}_{-0.00017}$	$5620.0^{+160.0}_{-160.0}$	$0.1407^{+0.0003}_{-0.0003}$	$5.85^{+0.04}_{-0.04}$	$82.8^{+0.17}_{-0.17}$
	$1.43037222^{+2.3e-07}_{-2.3e-07}$	$4.49^{+0.03}_{-0.03}$	–	–	
	Kokori et al. (2022)	Anderson et al. (2012)	Ciceri et al. (2016)		
WASP-47b	$2456354.946^{+0.0003}_{-0.0003}$	$5350.0^{+90.0}_{-90.0}$	$0.10193^{+0.00021}_{-0.00021}$	$9.7^{+0.04}_{-0.04}$	$88.98^{+0.2}_{-0.2}$
	$4.1591496^{+1e-06}_{-1e-06}$	$4.35^{+0.03}_{-0.03}$	–	–	
	Kokori et al. (2022)	Hellier et al. (2012)	Vanderburg et al. (2017)		
WASP-48b	$2456176.98991^{+0.00012}_{-0.00012}$	$5920.0^{+150.0}_{-150.0}$	$0.0958^{+0.0008}_{-0.0008}$	$4.7^{+0.12}_{-0.11}$	$82.0^{+0.5}_{-0.5}$
	$2.1436364^{+3e-07}_{-3e-07}$	$4.03^{+0.05}_{-0.05}$	–	–	
	Kokori et al. (2022)	Enoch et al. (2011b)	Ciceri et al. (2015)		
WASP-49b	$2456198.14045^{+0.00014}_{-0.00014}$	$5600.0^{+150.0}_{-150.0}$	$0.116^{+0.0007}_{-0.0007}$	$8.009^{+0.008}_{-0.008}$	$84.48^{+0.13}_{-0.13}$
	$2.7817366^{+5e-07}_{-5e-07}$	$4.43^{+0.05}_{-0.05}$	–	–	
	Kokori et al. (2022)	Lendl et al. (2012)	Wyttenbach et al. (2017)		
WASP-4b	$2455880.79492^{+3e-05}_{-3e-05}$	$5500.0^{+150.0}_{-150.0}$	$0.152^{+0.0004}_{-0.0004}$	$5.451^{+0.023}_{-0.052}$	$89.1^{+0.7}_{-0.8}$
	$1.33823144^{+3e-08}_{-3e-08}$	$4.3^{+0.2}_{-0.2}$	–	–	
	Kokori et al. (2022)	Wilson et al. (2008)	Bouma et al. (2019)		
WASP-50b	$2457701.39451^{+0.00023}_{-0.00023}$	$5400.0^{+100.0}_{-100.0}$	$0.1404^{+0.0012}_{-0.0012}$	$7.53^{+0.13}_{-0.13}$	$84.74^{+0.24}_{-0.24}$
	$1.9550928^{+3e-07}_{-3e-07}$	$4.54^{+0.05}_{-0.05}$	$0.009^{+0.011}_{-0.006}$	$44.0^{+62.0}_{-80.0}$	
	Kokori et al. (2022)	Gillon et al. (2011)	Gillon et al. (2011)		
WASP-52b	$2456770.05972^{+4e-05}_{-4e-05}$	$5000.0^{+100.0}_{-100.0}$	$0.1646^{+0.0012}_{-0.0012}$	$7.38^{+0.11}_{-0.11}$	$85.35^{+0.2}_{-0.2}$
	$1.74978119^{+1e-07}_{-1e-07}$	$4.58^{+0.01}_{-0.01}$	–	–	
	Kokori et al. (2022)	Hébrard et al. (2013)	Hébrard et al. (2013)		
WASP-53b	$2456284.48161^{+0.00015}_{-0.00015}$	$4953.0^{+60.0}_{-60.0}$	$0.1353^{+0.0013}_{-0.0013}$	$11.05^{+0.2}_{-0.19}$	$87.08^{+0.16}_{-0.15}$
	$3.3098436^{+5e-07}_{-5e-07}$	$4.55^{+0.02}_{-0.02}$	–	–	
	Kokori et al. (2022)	Triaud et al. (2017)	Triaud et al. (2017)		
WASP-54b	$2455522.0445^{+0.0008}_{-0.0008}$	$6100.0^{+100.0}_{-100.0}$	$0.0927^{+0.0011}_{-0.0011}$	$5.87^{+0.14*}_{-0.14}$	$85.0^{+0.6}_{-0.6}$

	$3.693649^{+1.3e-05}_{-1.3e-05}$ Faedi et al. (2013)	$4.0^{+0.03}_{-0.04}$ Faedi et al. (2013)	 $0.07^{+0.03}_{-0.03}$	 $62.0^{+21.0}_{-33.0}$ Faedi et al. (2013)	
WASP-55b	$2456720.37845^{+0.0001}_{-0.0001}$ $4.4656299^{+8e-07}_{-8e-07}$ Kokori et al. (2022)	$5960.0^{+100.0}_{-100.0}$ $4.39^{+0.03}_{-0.03}$ Hellier et al. (2012)	$0.1246^{+0.0007}_{-0.0007}$ –	$10.66^{+0.07*}_{-0.09}$ – Southworth et al. (2016)	$89.0^{+0.6}_{-0.6}$
WASP-56b	$2455841.60939^{+0.00023}_{-0.00023}$ $4.6170654^{+2.1e-06}_{-2.1e-06}$ Kokori et al. (2022)	$5600.0^{+100.0}_{-100.0}$ $4.35^{+0.02}_{-0.02}$ Faedi et al. (2013)	$0.1009^{+0.0021}_{-0.0021}$ –	$10.39^{+0.03}_{-0.03}$ – Faedi et al. (2013)	$88.5^{+0.1}_{-0.2}$
WASP-57b	$2456433.2863^{+0.0001}_{-0.0001}$ $2.838918^{+6e-07}_{-6e-07}$ Kokori et al. (2022)	$5600.0^{+100.0}_{-100.0}$ $4.57^{+0.01}_{-0.01}$ Faedi et al. (2013)	$0.1182^{+0.0013}_{-0.0013}$ –	$8.75^{+0.23}_{-0.22}$ – Southworth et al. (2015a)	$86.0^{+0.3}_{-0.3}$
WASP-58b	$2457692.5406^{+0.0004}_{-0.0004}$ $5.0172137^{+1.6e-06}_{-1.6e-06}$ Kokori et al. (2022)	$5800.0^{+150.0}_{-150.0}$ $4.27^{+0.09}_{-0.09}$ Hébrard et al. (2013)	$0.12^{+0.004}_{-0.004}$ –	$10.3^{+1.3}_{-1.1}$ – Hébrard et al. (2013)	$87.4^{+1.5}_{-1.5}$
WASP-5b	$2455017.22682^{+7e-05}_{-7e-05}$ $1.62843033^{+1.1e-07}_{-1.1e-07}$ Kokori et al. (2022)	$5880.0^{+150.0}_{-150.0}$ $4.4^{+0.04}_{-0.05}$ Anderson et al. (2008)	$0.1108^{+0.0011}_{-0.0011}$ –	$5.37^{+0.15}_{-0.15}$ – Fukui et al. (2011)	$85.6^{+0.8}_{-0.8}$
WASP-60b	$2458902.6003^{+0.0006}_{-0.0006}$ $4.305007^{+3e-06}_{-3e-06}$ Kokori et al. (2022)	$5900.0^{+100.0}_{-100.0}$ $4.35^{+0.09}_{-0.09}$ Hébrard et al. (2013)	$0.077^{+0.004}_{-0.004}$ –	$10.0^{+1.2}_{-1.0}$ – Hébrard et al. (2013)	$87.9^{+1.6}_{-1.6}$
WASP-61b	$2456152.57714^{+0.00023}_{-0.00023}$ $3.855898^{+1e-06}_{-1e-06}$ Kokori et al. (2022)	$6320.0^{+140.0}_{-140.0}$ $4.26^{+0.03}_{-0.03}$ Hellier et al. (2012)	$0.0938^{+0.0005}_{-0.0005}$ –	$7.93^{+0.09}_{-0.09}$ – Hellier et al. (2012)	$89.3^{+0.5}_{-0.7}$
WASP-62b	$2458427.55327^{+4e-05}_{-4e-05}$ $4.4119395^{+4e-07}_{-4e-07}$ Kokori et al. (2022)	$6280.0^{+80.0}_{-80.0}$ $4.32^{+0.04}_{-0.04}$ Hellier et al. (2012)	$0.1109^{+0.0009}_{-0.0009}$ –	$9.52^{+0.06*}_{-0.06}$ – Hellier et al. (2012)	$88.3^{+0.9}_{-0.6}$
WASP-63b	$2455921.6535^{+0.0005}_{-0.0005}$ $4.37809^{+6e-06}_{-6e-06}$ Hellier et al. (2012)	$5570.0^{+90.0}_{-90.0}$ $4.01^{+0.05}_{-0.05}$ Hellier et al. (2012)	$0.078^{+0.0011}_{-0.0011}$ –	$6.49^{+0.11*}_{-0.11}$ – Hellier et al. (2012)	$87.8^{+1.3}_{-1.3}$
WASP-64b	$2456444.76501^{+0.00012}_{-0.00012}$ $1.57329025^{+1.5e-07}_{-1.5e-07}$ Kokori et al. (2022)	$5400.0^{+100.0}_{-100.0}$ $4.39^{+0.02}_{-0.02}$ Gillon et al. (2013)	$0.1234^{+0.0011}_{-0.0011}$ –	$5.39^{+0.11}_{-0.09}$ – Gillon et al. (2013)	$86.6^{+0.8}_{-0.6}$
WASP-65b	$2456912.75129^{+0.00019}_{-0.00019}$ $2.3114217^{+4e-07}_{-4e-07}$ Kokori et al. (2022)	$5600.0^{+100.0}_{-100.0}$ $4.4^{+0.02}_{-0.02}$ Gómez Maqueo Chew et al. (2013)	$0.1131^{+0.0007}_{-0.0007}$ –	$7.11^{+0.1}_{-0.1}$ – Gómez Maqueo Chew et al. (2013)	$88.8^{+0.8}_{-0.7}$
WASP-66b	$2455929.0969^{+0.0003}_{-0.0003}$ $4.086052^{+7e-06}_{-7e-06}$ Hellier et al. (2012)	$6580.0^{+170.0}_{-170.0}$ $4.07^{+0.05}_{-0.05}$ Hellier et al. (2012)	$0.0817^{+0.001}_{-0.001}$ –	$6.71^{+0.08}_{-0.08}$ – Hellier et al. (2012)	$85.9^{+0.9}_{-0.9}$
WASP-67b	$2456618.0537^{+8e-05}_{-8e-05}$ $4.6144166^{+4e-07}_{-4e-07}$ Kokori et al. (2022)	$5240.0^{+10.0}_{-10.0}$ $4.5^{+0.04}_{-0.04}$ Hellier et al. (2012)	$0.1345^{+0.0048}_{-0.0048}$ –	$12.83^{+0.05}_{-0.05}$ – Hellier et al. (2012)	$85.8^{+0.3}_{-0.4}$
WASP-68b	$2456064.8636^{+0.0006}_{-0.0006}$ $5.084298^{+1.5e-05}_{-1.5e-05}$ Delrez et al. (2014)	$5911.0^{+59.0}_{-60.0}$ $4.09^{+0.13}_{-0.08}$ Delrez et al. (2014)	$0.075^{+0.002}_{-0.002}$ –	$7.9^{+0.25}_{-0.46}$ – Delrez et al. (2014)	$88.1^{+1.3}_{-1.3}$
WASP-69b	$2457176.17789^{+0.00017}_{-0.00017}$ $3.868139^{+6e-07}_{-6e-07}$ Kokori et al. (2022)	$4715.0^{+50.0}_{-50.0}$ $4.54^{+0.02}_{-0.02}$ Anderson et al. (2014a)	$0.1336^{+0.0016}_{-0.0016}$ –	$11.953^{+0.023}_{-0.023}$ – Anderson et al. (2014a)	$86.71^{+0.2}_{-0.2}$
WASP-6b	$2455591.28967^{+7e-05}_{-7e-05}$ $3.36100207^{+2.1e-07}_{-2.1e-07}$	$5450.0^{+100.0}_{-100.0}$ $4.5^{+0.06}_{-0.06}$	$0.1446^{+0.0009}_{-0.0009}$ $0.054^{+0.018}_{-0.015}$	$10.9^{+0.3*}_{-0.3}$ $1.7^{+0.12}_{-0.23}$	$88.5^{+0.7}_{-0.5}$

	Kokori et al. (2022)	Gillon et al. (2009a)	Gillon et al. (2009a)		
WASP-70Ab	$2456319.4479^{+0.0004}_{-0.0004}$	$5763.0^{+79.0}_{-79.0}$	$0.0985^{+0.0013}_{-0.0013}$	$8.58^{+0.17}_{-0.17}$	$87.1^{+1.2}_{-0.7}$
	$3.7130169^{+1.2e-06}_{-1.2e-06}$	$4.31^{+0.05}_{-0.04}$	–	–	
	Kokori et al. (2022)	Anderson et al. (2014a)	Anderson et al. (2014a)		
WASP-71b	$2455738.8505^{+0.0007}_{-0.0007}$	$6059.0^{+98.0}_{-98.0}$	$0.0666^{+0.0011}_{-0.0011}$	$4.4^{+0.3}_{-0.3}$	$84.9^{+2.2}_{-2.2}$
	$2.903675^{+7e-06}_{-7e-06}$	$3.92^{+0.05}_{-0.05}$	–	–	
	Smith et al. (2013)	Smith et al. (2013)	Smith et al. (2013)		
WASP-72b	$2455583.6529^{+0.0021}_{-0.0021}$	$6250.0^{+100.0}_{-100.0}$	$0.066^{+0.003}_{-0.003}$	$4.0^{+0.5}_{-0.4}$	$81.6^{+3.2}_{-2.6}$
	$2.216742^{+8e-06}_{-8e-06}$	$3.99^{+0.1}_{-0.11}$	–	–	
	Gillon et al. (2013)	Gillon et al. (2013)	Gillon et al. (2013)		
WASP-73b	$2456365.7688^{+0.0011}_{-0.0011}$	$6036.0^{+120.0}_{-120.0}$	$0.057^{+0.003}_{-0.003}$	$5.73^{+0.18}_{-0.45}$	$87.4^{+1.8}_{-2.4}$
	$4.087286^{+9e-06}_{-9e-06}$	$3.93^{+0.04}_{-0.06}$	–	–	
	Mallonn et al. (2019b)	Delrez et al. (2014)	Delrez et al. (2014)		
WASP-74b	$2457205.93774^{+0.0001}_{-0.0001}$	$5970.0^{+110.0}_{-110.0}$	$0.098^{+0.0007}_{-0.0007}$	$4.861^{+0.006}_{-0.006}$	$79.81^{+0.24}_{-0.24}$
	$2.1377516^{+6e-07}_{-6e-07}$	$4.18^{+0.02}_{-0.02}$	–	–	
	Kokori et al. (2022)	Hellier et al. (2015)	Hellier et al. (2015)		
WASP-75b	$2457340.345^{+0.0003}_{-0.0003}$	$6100.0^{+100.0}_{-100.0}$	$0.1034^{+0.0015}_{-0.0015}$	$6.37^{+0.03}_{-0.03}$*	$82.0^{+0.3}_{-0.2}$
	$2.4841987^{+6e-07}_{-6e-07}$	$4.29^{+0.02}_{-0.02}$	–	–	
	Kokori et al. (2022)	Gómez Maqueo Chew et al. (2013)	Gómez Maqueo Chew et al. (2013)		
WASP-76b	$2457273.4191^{+0.0005}_{-0.0005}$	$6250.0^{+100.0}_{-100.0}$	$0.109^{+0.0007}_{-0.0007}$	$4.07^{+0.03}_{-0.03}$*	$88.0^{+1.3}_{-1.6}$
	$1.8098806^{+7e-07}_{-7e-07}$	$4.13^{+0.01}_{-0.01}$	–	–	
	Kokori et al. (2022)	West et al. (2016)	West et al. (2016)		
WASP-77Ab	$2456663.34757^{+0.00012}_{-0.00012}$	$5500.0^{+80.0}_{-80.0}$	$0.1301^{+0.0007}_{-0.0007}$	$5.41^{+0.04}_{-0.04}$*	$89.4^{+0.4}_{-0.7}$
	$1.36002922^{+1.3e-07}_{-1.3e-07}$	$4.33^{+0.08}_{-0.08}$	–	–	
	Kokori et al. (2022)	Maxted et al. (2013a)	Maxted et al. (2013a)		
WASP-78b	$2456922.0975^{+0.0003}_{-0.0003}$	$6100.0^{+150.0}_{-150.0}$	$0.0794^{+0.0013}_{-0.0013}$	$3.52^{+0.13}_{-0.13}$	$83.2^{+2.3}_{-1.6}$
	$2.1751852^{+5e-07}_{-5e-07}$	$3.88^{+0.04}_{-0.04}$	–	–	
	Kokori et al. (2022)	Smalley et al. (2012)	Smalley et al. (2012)		
WASP-79b	$2458200.47327^{+0.00018}_{-0.00018}$	$6600.0^{+100.0}_{-100.0}$	$0.113^{+0.003}_{-0.003}$	$7.02^{+0.05}_{-0.05}$*	$85.4^{+0.6}_{-0.6}$
	$3.6623925^{+2.1e-06}_{-2.1e-06}$	$4.06^{+0.03}_{-0.03}$	–	–	
	Kokori et al. (2022)	Smalley et al. (2012)	Smalley et al. (2012)		
WASP-7b	$2455446.6349^{+0.0003}_{-0.0003}$	$6400.0^{+100.0}_{-100.0}$	$0.0956^{+0.0016}_{-0.0016}$	$9.52^{+0.2}_{-0.19}$*	$87.0^{+0.9}_{-0.9}$
	$4.954642^{+3e-06}_{-3e-06}$	$4.36^{+0.01}_{-0.05}$	–	–	
	Southworth et al. (2011)	Hellier et al. (2009b)	Southworth et al. (2011)		
WASP-80b	$2456671.49615^{+4e-05}_{-4e-05}$	$4145.0^{+100.0}_{-100.0}$	$0.1714^{+0.0004}_{-0.0004}$	$12.63^{+0.08}_{-0.13}$	$89.02^{+0.11}_{-0.1}$
	$3.06785271^{+1.9e-07}_{-1.9e-07}$	$4.69^{+0.01}_{-0.01}$	$0.002^{+0.01}_{-0.002}$	$94.0^{+120.0}_{-21.0}$	
	Kokori et al. (2022)	Triaud et al. (2013)	Triaud et al. (2015)		
WASP-81b	$2456969.77318^{+0.0002}_{-0.0002}$	$5870.0^{+120.0}_{-120.0}$	$0.112^{+0.0012}_{-0.0012}$	$6.56^{+0.13}_{-0.16}$	$88.7^{+0.9}_{-0.9}$
	$2.7164835^{+4e-07}_{-4e-07}$	$4.26^{+0.02}_{-0.03}$	–	–	
	Kokori et al. (2022)	Triaud et al. (2017)	Triaud et al. (2017)		
WASP-82b	$2456931.8452^{+0.0008}_{-0.0008}$	$6490.0^{+100.0}_{-100.0}$	$0.079^{+0.0008}_{-0.0008}$	$4.37^{+0.14}_{-0.14}$	$87.9^{+1.4}_{-1.9}$
	$2.705785^{+2e-06}_{-2e-06}$	$3.97^{+0.01}_{-0.02}$	–	–	
	Smith (2015)	West et al. (2016)	West et al. (2016)		
WASP-83b	$2457121.9961^{+0.0003}_{-0.0003}$	$5510.0^{+110.0}_{-110.0}$	$0.102^{+0.002}_{-0.002}$	$11.98^{+0.15}_{-0.15}$	$88.9^{+0.7}_{-0.7}$
	$4.9712917^{+1.2e-06}_{-1.2e-06}$	$4.44^{+0.02}_{-0.04}$	–	–	
	Kokori et al. (2022)	Hellier et al. (2015)	Hellier et al. (2015)		
WASP-84b	$2456422.48255^{+0.00014}_{-0.00014}$	$5314.0^{+88.0}_{-88.0}$	$0.1295^{+0.0006}_{-0.0006}$	$22.191^{+0.012}_{-0.012}$	$88.37^{+0.05}_{-0.05}$
	$8.523499^{+4e-06}_{-4e-06}$	$4.4^{+0.1}_{-0.1}$	–	–	
	Kokori et al. (2022)	Anderson et al. (2014a)	Anderson et al. (2014a)		

WASP-85Ab	$2456847.472867^{+1e-05}_{-1e-05}$ $2.6556765^{+4e-07}_{-4e-07}$ Kokori et al. (2022)	$5685.0^{+55.0}_{-55.0}$ $4.48^{+0.11}_{-0.11}$ Brown et al. (2014)	$0.136814^{+3.7e-05}_{-3.7e-05}$ –	$8.74^{+0.12*}_{-0.08}$ – Brown et al. (2014)	$89.73^{+0.01}_{-0.01}$
WASP-87b	$2457082.07733^{+0.00021}_{-0.00021}$ $1.682795^{+1.9e-06}_{-1.9e-06}$ Addison et al. (2016)	$6450.0^{+120.0}_{-120.0}$ $4.32^{+0.21}_{-0.21}$ Anderson et al. (2014b)	$0.08746^{+0.00074}_{-0.00074}$ –	$3.89^{+0.49}_{-0.42}$ – Addison et al. (2016)	$81.07^{+0.63}_{-0.63}$
WASP-88b	$2458005.5181^{+0.0006}_{-0.0006}$ $4.9540021^{+2.2e-06}_{-2.2e-06}$ Kokori et al. (2022)	$6431.0^{+130.0}_{-130.0}$ $3.96^{+0.02}_{-0.05}$ Delrez et al. (2014)	$0.084^{+0.002}_{-0.002}$ –	$6.64^{+0.17}_{-0.34}$ – Delrez et al. (2014)	$88.0^{+1.4}_{-1.5}$
WASP-89b	$2456398.33771^{+0.00012}_{-0.00012}$ $3.3564182^{+5e-07}_{-5e-07}$ Kokori et al. (2022)	$5130.0^{+90.0}_{-90.0}$ $4.51^{+0.02}_{-0.02}$ Hellier et al. (2015)	$0.1221^{+0.0008}_{-0.0008}$ $0.193^{+0.009}_{-0.009}$	$10.51^{+0.08*}_{-0.08}$ $28.0^{+4.0}_{-4.0}$ Hellier et al. (2015)	$89.4^{+0.5}_{-0.5}$
WASP-8b	$2454679.3347^{+0.0005}_{-0.0005}$ $8.158715^{+1.6e-05}_{-1.6e-05}$ Queloz et al. (2010)	$5600.0^{+80.0}_{-80.0}$ $4.5^{+0.05}_{-0.05}$ Queloz et al. (2010)	$0.113^{+0.0015}_{-0.0015}$ $0.31^{+0.0029}_{-0.0024}$	$18.2^{+0.8}_{-0.8}$ $274.27^{+0.17}_{-0.18}$ Queloz et al. (2010)	$88.55^{+0.15}_{-0.17}$
WASP-90b	$2457003.152^{+0.0004}_{-0.0004}$ $3.9162624^{+1.3e-06}_{-1.3e-06}$ Kokori et al. (2022)	$6430.0^{+130.0}_{-130.0}$ $4.03^{+0.03}_{-0.03}$ West et al. (2016)	$0.0843^{+0.0012}_{-0.0012}$ –	$6.119^{+0.013}_{-0.013}$ – West et al. (2016)	$82.1^{+0.4}_{-0.4}$
WASP-91b	$2456297.71978^{+0.0002}_{-0.0002}$ $2.798581^{+3e-06}_{-3e-06}$ Anderson et al. (2017)	$4920.0^{+80.0}_{-80.0}$ $4.3^{+0.2}_{-0.2}$ Anderson et al. (2017)	$0.1225^{+0.0012}_{-0.0012}$ –	$9.1^{+0.3}_{-0.3}$ – Anderson et al. (2017)	$86.8^{+0.4}_{-0.4}$
WASP-92b	$2457627.3719^{+0.0003}_{-0.0003}$ $2.1746733^{+6e-07}_{-6e-07}$ Kokori et al. (2022)	$6280.0^{+120.0}_{-120.0}$ $4.26^{+0.03}_{-0.03}$ Hay et al. (2016)	$0.112^{+0.0013}_{-0.0013}$ –	$5.59^{+0.22}_{-0.2}$ – Hay et al. (2016)	$83.8^{+0.7}_{-0.7}$
WASP-93b	$2457492.286^{+0.0003}_{-0.0003}$ $2.7325358^{+7e-07}_{-7e-07}$ Kokori et al. (2022)	$6700.0^{+100.0}_{-100.0}$ $4.2^{+0.02}_{-0.02}$ Hay et al. (2016)	$0.1047^{+0.0006}_{-0.0006}$ –	$5.94^{+0.13}_{-0.13}$ – Hay et al. (2016)	$81.2^{+0.3}_{-0.3}$
WASP-94Ab	$2456416.4022^{+0.0003}_{-0.0003}$ $3.950191^{+4e-06}_{-4e-06}$ Neveu-VanMalle et al. (2014)	$6153.0^{+75.0}_{-76.0}$ $4.18^{+0.01}_{-0.02}$ Neveu-VanMalle et al. (2014)	$0.1094^{+0.0008}_{-0.0008}$ –	$7.27^{+0.06*}_{-0.06}$ – Neveu-VanMalle et al. (2014)	$88.7^{+0.7}_{-0.7}$
WASP-95b	$2456607.17355^{+0.00023}_{-0.00023}$ $2.1846688^{+6e-07}_{-6e-07}$ Kokori et al. (2022)	$5630.0^{+130.0}_{-130.0}$ $4.38^{+0.02}_{-0.04}$ Hellier et al. (2014)	$0.1025^{+0.0015}_{-0.0015}$ –	$6.4^{+0.22*}_{-0.21}$ – Hellier et al. (2014)	$88.4^{+1.2}_{-2.1}$
WASP-96b	$2457128.07797^{+0.00022}_{-0.00022}$ $3.4252565^{+8e-07}_{-8e-07}$ Kokori et al. (2022)	$5540.0^{+140.0}_{-140.0}$ $4.42^{+0.02}_{-0.02}$ Hellier et al. (2014)	$0.1175^{+0.0013}_{-0.0013}$ –	$9.255^{+0.019}_{-0.019}$ – Hellier et al. (2014)	$85.6^{+0.2}_{-0.2}$
WASP-97b	$2457186.454^{+0.00015}_{-0.00015}$ $2.07276^{+3e-07}_{-3e-07}$ Kokori et al. (2022)	$5640.0^{+100.0}_{-100.0}$ $4.43^{+0.03}_{-0.03}$ Hellier et al. (2014)	$0.1091^{+0.0009}_{-0.0009}$ –	$6.59^{+0.15}_{-0.15}$ – Hellier et al. (2014)	$88.0^{+1.3}_{-1.0}$
WASP-98b	$2456840.00365^{+8e-05}_{-8e-05}$ $2.9626415^{+4e-07}_{-4e-07}$ Kokori et al. (2022)	$5525.0^{+130.0}_{-130.0}$ $4.58^{+0.01}_{-0.01}$ Hellier et al. (2014)	$0.1582^{+0.0008}_{-0.0008}$ –	$10.92^{+0.08}_{-0.08}$ – Mancini et al. (2016a)	$86.38^{+0.07}_{-0.07}$
WASP-99b	$2456224.9832^{+0.0014}_{-0.0014}$ $5.75251^{+4e-05}_{-4e-05}$ Hellier et al. (2014)	$6180.0^{+100.0}_{-100.0}$ $4.12^{+0.02}_{-0.04}$ Hellier et al. (2014)	$0.064^{+0.0016}_{-0.0016}$ –	$8.59^{+0.17}_{-0.17}$ – Hellier et al. (2014)	$88.8^{+1.1}_{-1.1}$
XO-1b	$2455385.51978^{+5e-05}_{-5e-05}$ $3.941505^{+1.8e-07}_{-1.8e-07}$ Kokori et al. (2022)	$5750.0^{+75.0}_{-75.0}$ $4.53^{+0.06}_{-0.06}$ Torres et al. (2008)	$0.1326^{+0.0005}_{-0.0005}$ –	$11.24^{+0.09*}_{-0.09}$ – Torres et al. (2008)	$88.8^{+0.7}_{-0.3}$

XO-2Nb	$2456923.17711^{+0.00015}_{-0.00015}$	$5340.0^{+80.0}_{-80.0}$	$0.1049^{+0.0006}_{-0.0006}$	$7.93^{+0.1}_{-0.09}$	$88.0^{+0.4}_{-0.3}$
	$2.61585978^{+1.9e-07}_{-1.9e-07}$	$4.48^{+0.05}_{-0.05}$	–	–	
	Kokori et al. (2022)	Torres et al. (2008)	Damasso et al. (2015b)		
XO-3b	$2455024.34346^{+0.00013}_{-0.00013}$	$6429.0^{+50.0}_{-50.0}$	$0.0882^{+0.0004}_{-0.0004}$	$7.05^{+0.08}_{-0.1}$	$84.11^{+0.16}_{-0.16}$
	$3.191525^{+3e-07}_{-3e-07}$	$3.95^{+0.06}_{-0.06}$	$0.2769^{+0.0017}_{-0.0016}$	$347.2^{+1.7}_{-1.6}$	
	Kokori et al. (2022)	Johns-Krull et al. (2008)	Wong et al. (2014)		
XO-4b	$2455682.20389^{+0.00023}_{-0.00023}$	$6397.0^{+70.0}_{-70.0}$	$0.0881^{+0.0007}_{-0.0007}$	$7.68^{+0.11}_{-0.11}$	$88.8^{+0.6}_{-0.6}$
	$4.1250679^{+6e-07}_{-6e-07}$	$4.18^{+0.07}_{-0.07}$	–	–	
	Kokori et al. (2022)	McCullough et al. (2008)	Narita et al. (2010)		
XO-5b	$2455469.7912^{+0.0003}_{-0.0003}$	$5510.0^{+44.0}_{-44.0}$	$0.1039^{+0.0007}_{-0.0007}$	$9.85^{+0.03}_{-0.03}$	$86.8^{+0.2}_{-0.2}$
	$4.1877562^{+6e-07}_{-6e-07}$	$4.52^{+0.06}_{-0.06}$	–	–	
	Kokori et al. (2022)	Burke et al. (2008)	Smith (2015)		
XO-6b	$2458843.93943^{+0.00012}_{-0.00012}$	$6720.0^{+100.0}_{-100.0}$	$0.11^{+0.006}_{-0.006}$	$9.08^{+0.17}_{-0.17}$	$86.0^{+0.2}_{-0.2}$
	$3.7649939^{+1.3e-06}_{-1.3e-06}$	$4.04^{+0.1}_{-0.1}$	–	–	
	Kokori et al. (2022)	Crouzet et al. (2017)	Crouzet et al. (2017)		
XO-7b	$2457917.47503^{+0.00045}_{-0.00045}$	$6250.0^{+100.0}_{-100.0}$	$0.09532^{+0.00093}_{-0.00093}$	$6.43^{+0.14}_{-0.14}$	$83.45^{+0.29}_{-0.29}$
	$2.8641424^{+4.3e-06}_{-4.3e-06}$	$4.25^{+0.02}_{-0.02}$	–	–	
	Crouzet et al. (2020)	Crouzet et al. (2020)	Crouzet et al. (2020)		
piMenc	$2458325.5031^{+0.0008}_{-0.0008}$	$5870.0^{+50.0}_{-50.0}$	$0.01721^{+0.00024}_{-0.00024}$	$13.1^{+0.18}_{-0.18}$	$87.31^{+0.11}_{-0.11}$
	$6.26834^{+0.00024}_{-0.00024}$	$4.36^{+0.02}_{-0.02}$	–	–	
	Gandolfi et al. (2018)	Gandolfi et al. (2018)	Gandolfi et al. (2018)		

Table 7. Updated epehemrides and data sources.

Planet	T_0 (BJD$_{\rm TDB}$) P (days)	References for Literature data
55Cnce	2459370.807538 ± 0.000086 0.73654624 ± 0.00000015	Winn et al. (2011a)
CoRoT-11b	2456019.96216 ± 0.00035 2.99427804 ± 0.00000048	Gandolfi et al. (2010)
CoRoT-19b	2455701.71534 ± 0.00047 3.8971378 ± 0.0000017	Guenther et al. (2012)
CoRoT-2b	2457683.44160 ± 0.00016 1.74299704 ± 0.00000016	Alonso et al. (2008b), Öztürk & Erdem (2019)
EPIC211945201b	2458094.44793 ± 0.00023 19.4921503 ± 0.0000073	
EPIC246851721b	2458458.41585 ± 0.00025 6.1802680 ± 0.0000020	
G9-40b	2458319.65105 ± 0.00012 5.7459997 ± 0.0000018	Stefansson et al. (2020)
GJ1132b	2458031.60114 ± 0.00011 1.6289304 ± 0.0000013	Berta-Thompson et al. (2015), Mugnai et al. (2021)
GJ1214b	2455886.320525 ± 0.000021 1.580404564 ± 0.000000042	Berta et al. (2011), Harpsøe et al. (2013), Fraine et al. (2013), Cáceres et al. (2014), Mallonn et al. (2019a)
GJ1252b	2458806.9845 ± 0.0011 0.5182423 ± 0.0000029	
GJ3470b	2456974.689882 ± 0.000061 3.33665240 ± 0.00000014	Fukui et al. (2013), Dragomir et al. (2015)
GJ357b	2458824.58803 ± 0.00096 3.930623 ± 0.000010	

GJ436b	2455290.751678 ± 0.000051 2.643897617 ± 0.000000097	Gillon et al. (2007a), Gillon et al. (2007b), Alonso et al. (2008a), Bean & Seifahrt (2008), Ribas et al. (2008), Cáceres et al. (2009), Shporer et al. (2009a), Beaulieu et al. (2011), Knutson et al. (2014a), Turner et al. (2016a), Wang et al. (2021)
GJ9827b	2457835.54413 ± 0.00027 1.20897481 ± 0.00000095	Niraula et al. (2017)
GJ9827c	2457858.9410 ± 0.0011 3.648116 ± 0.000013	
HAT-P-11b	2455798.515257 ± 0.000021 4.88780202 ± 0.00000016	Bakos et al. (2010), Sada et al. (2012), Tsiaras et al. (2018), Murgas et al. (2019)
HAT-P-12b	2456854.694177 ± 0.000061 3.21305761 ± 0.00000015	Hartman et al. (2009), Lee et al. (2012), Sada et al. (2012), Line et al. (2013), Mallonn et al. (2015a), Hinse et al. (2015), Sada & Ramón-Fox (2016), Turner et al. (2017), Mancini et al. (2018), Alexoudi et al. (2018), Öztürk & Erdem (2019), Yan et al. (2020), Wang et al. (2021), Sariya et al. (2021)
HAT-P-13b	2455608.14288 ± 0.00018 2.91624297 ± 0.00000048	Bakos et al. (2009), Nascimbeni et al. (2011b), Fulton et al. (2011), Pál et al. (2011), Southworth et al. (2012a), Turner et al. (2016a), Sada & Ramón-Fox (2016)
HAT-P-14b	2457272.41914 ± 0.00015 4.62766102 ± 0.00000039	Torres et al. (2010), Nascimbeni et al. (2011a)
HAT-P-15b	2456159.44418 ± 0.00018 10.86345170 ± 0.00000090	Kovács et al. (2010)
HAT-P-16b	2457237.26396 ± 0.00012 2.77596748 ± 0.00000022	Buchhave et al. (2010), Ciceri et al. (2013), Pearson et al. (2014), Turner et al. (2016a), Sada & Ramón-Fox (2016), Wang et al. (2021)
HAT-P-17b	2456703.460700 ± 0.000051 10.33853523 ± 0.00000070	Howard et al. (2012), Tsiaras et al. (2018)
HAT-P-18b	2457408.449129 ± 0.000084 5.50802939 ± 0.00000055	Hartman et al. (2011a), Seeliger et al. (2015), Kirk et al. (2017), Wang et al. (2021)
HAT-P-19b	2456935.57564 ± 0.00011 4.00878412 ± 0.00000045	Hartman et al. (2011a), Mallonn et al. (2015b), Seeliger et al. (2015), Baştürk et al. (2020), Wang et al. (2021)
HAT-P-1b	2456476.03405 ± 0.00019 4.46529911 ± 0.00000038	Winn et al. (2007b), Johnson et al. (2008), Turner et al. (2016a)
HAT-P-20b	2457961.995746 ± 0.000056 2.87531773 ± 0.00000011	Bakos et al. (2011), Granata et al. (2014), Esposito et al. (2017), Sun et al. (2017), Wang et al. (2021)
HAT-P-21b	2458159.89640 ± 0.00028 4.12448851 ± 0.00000067	Bakos et al. (2011)
HAT-P-22b	2458303.064951 ± 0.000074 3.21223211 ± 0.00000020	Bakos et al. (2011), Hinse et al. (2015), Turner et al. (2016a), Wang et al. (2021)
HAT-P-23b	2457742.573799 ± 0.000071 1.212886398 ± 0.000000073	Bakos et al. (2011), Sada & Ramón-Fox (2016), Maciejewski et al. (2018), Patra et al. (2020), Salisbury et al. (2021)
HAT-P-24b	2458011.89580 ± 0.00013 3.35524437 ± 0.00000027	Kipping et al. (2010), Wang et al. (2013), Kjurkchieva et al. (2016), Wang et al. (2021)
HAT-P-25b	2457759.39314 ± 0.00015 3.65281525 ± 0.00000037	Quinn et al. (2012), Wang et al. (2018b), Mallonn et al. (2019b)
HAT-P-26b	2456901.059458 ± 0.000088 4.23450015 ± 0.00000063	Hartman et al. (2011b), Stevenson et al. (2016), Wakeford et al. (2017), Tsiaras et al. (2018), von Essen et al. (2019)
HAT-P-27b	2457128.31066 ± 0.00013 3.03957804 ± 0.00000023	Béky et al. (2011), Anderson et al. (2011b), Sada et al. (2012), Seeliger et al. (2015), Wang et al. (2021)
HAT-P-28b	2458134.11474 ± 0.00030 3.25721296 ± 0.00000083	Buchhave et al. (2011)
HAT-P-29b	2457652.90413 ± 0.00049 5.7233682 ± 0.0000022	Buchhave et al. (2011), Wang et al. (2018a)

HAT-P-2b	2458657.66292 ± 0.00012 5.63346781 ± 0.00000059	Bakos et al. (2007a), Lewis et al. (2013)
HAT-P-30b	2457825.80332 ± 0.00011 2.81060096 ± 0.00000020	Enoch et al. (2011b), Johnson et al. (2011), Maciejewski et al. (2016b), Saha et al. (2021), Wang et al. (2021)
HAT-P-31b	2458940.75331 ± 0.00034 5.0052702 ± 0.0000032	Kipping et al. (2011), Mallonn et al. (2019b)
HAT-P-32b	2456265.154125 ± 0.000044 2.150008200 ± 0.000000088	Hartman et al. (2011c), Gibson et al. (2013b), Zhao et al. (2014), Seeliger et al. (2014), Mallonn & Strassmeier (2016), Tregloan-Reed et al. (2018), Wang et al. (2019b)
HAT-P-33b	2458078.129932 ± 0.000088 3.47447703 ± 0.00000018	Hartman et al. (2011c), Wang et al. (2017)
HAT-P-34b	2458708.63768 ± 0.00019 5.45264680 ± 0.00000088	Bakos et al. (2012)
HAT-P-35b	2457620.79023 ± 0.00037 3.64665838 ± 0.00000088	Bakos et al. (2012)
HAT-P-36b	2457901.312150 ± 0.000093 1.327346812 ± 0.000000095	Bakos et al. (2012), Wang et al. (2019b)
HAT-P-37b	2457938.84391 ± 0.00016 2.79744249 ± 0.00000045	Bakos et al. (2012), Maciejewski et al. (2016b), Turner et al. (2017), Wang et al. (2021)
HAT-P-38b	2457570.76142 ± 0.00010 4.64032786 ± 0.00000079	Sato et al. (2012), Bruno et al. (2018a), Mallonn et al. (2019b)
HAT-P-39b	2458089.92058 ± 0.00019 3.54387368 ± 0.00000034	Hartman et al. (2012)
HAT-P-3b	2456843.022435 ± 0.000082 2.89973814 ± 0.00000013	Torres et al. (2007), Gibson et al. (2010), Nascimbeni et al. (2011a), Chan et al. (2011), Sada et al. (2012), Mancini et al. (2018), Wang et al. (2021)
HAT-P-40b	2456651.13370 ± 0.00044 4.4572185 ± 0.0000013	Hartman et al. (2012)
HAT-P-41b	2458071.24388 ± 0.00015 2.69404967 ± 0.00000090	Hartman et al. (2012), Wakeford et al. (2020)
HAT-P-42b	2458941.87093 ± 0.00020 4.64183888 ± 0.00000087	Boisse et al. (2013)
HAT-P-43b	2458230.26755 ± 0.00010 3.33268050 ± 0.00000041	Boisse et al. (2013), Wang et al. (2021)
HAT-P-44b	2457679.78645 ± 0.00027 4.30119042 ± 0.00000079	Hartman et al. (2014)
HAT-P-45b	2458082.99118 ± 0.00036 3.12899499 ± 0.00000059	Hartman et al. (2014)
HAT-P-46b	2456736.78473 ± 0.00027 4.46313579 ± 0.00000080	Hartman et al. (2014)
HAT-P-49b	2459013.12496 ± 0.00020 2.69155540 ± 0.00000054	Bieryla et al. (2014)
HAT-P-4b	2455584.57239 ± 0.00018 3.05652301 ± 0.00000027	Kovács et al. (2007), Winn et al. (2011b), Christiansen et al. (2011), Wang et al. (2021)
HAT-P-50b	2458402.63014 ± 0.00023 3.12200510 ± 0.00000051	Hartman et al. (2015a)
HAT-P-51b	2458345.31405 ± 0.00019 4.21802120 ± 0.00000062	Hartman et al. (2015a)
HAT-P-52b	2458233.96600 ± 0.00020 2.75359760 ± 0.00000036	Hartman et al. (2015a), Wang et al. (2021)
HAT-P-53b	2457898.96241 ± 0.00037 1.96162365 ± 0.00000053	Hartman et al. (2015a), Wang et al. (2021)
HAT-P-54b	2458624.81499 ± 0.00010 3.79985299 ± 0.00000037	Bakos et al. (2015a), Saha et al. (2021), Wang et al. (2021)

HAT-P-55b	2458283.24088 ± 0.00021 3.58523217 ± 0.00000071	Juncher et al. (2015)
HAT-P-56b	2458459.75024 ± 0.00016 2.79082501 ± 0.00000036	Huang et al. (2015b), Wang et al. (2021)
HAT-P-57b	2457598.49925 ± 0.00035 2.46529489 ± 0.00000048	Hartman et al. (2015b)
HAT-P-59b	2458900.19541 ± 0.00013 4.1419776 ± 0.0000021	Bakos et al. (2021)
HAT-P-5b	2457155.73167 ± 0.00011 2.78847324 ± 0.00000016	Bakos et al. (2007b), Southworth et al. (2012b), Turner et al. (2017), Wang et al. (2021)
HAT-P-62b	2457332.66096 ± 0.00025 2.64532302 ± 0.00000093	Bakos et al. (2021)
HAT-P-65b	2458280.04462 ± 0.00018 2.60544716 ± 0.00000052	Hartman et al. (2016), Chen et al. (2021)
HAT-P-66b	2458248.50549 ± 0.00032 2.9720891 ± 0.0000011	Hartman et al. (2016)
HAT-P-67b	2458789.72678 ± 0.00029 4.8101043 ± 0.0000019	Zhou et al. (2017)
HAT-P-68b	2458140.34562 ± 0.00011 2.29840555 ± 0.00000017	Lindor et al. (2021)
HAT-P-69b	2459170.75397 ± 0.00015 4.7869881 ± 0.0000034	Zhou et al. (2019a)
HAT-P-6b	2456100.88330 ± 0.00020 3.85299670 ± 0.00000037	Noyes et al. (2008), Todorov et al. (2012)
HAT-P-70b	2459089.978884 ± 0.000088 2.74431935 ± 0.00000093	Zhou et al. (2019a)
HAT-P-7b	2455739.244381 ± 0.000013 2.204735998 ± 0.000000049	Pál et al. (2008), Christiansen et al. (2010), Wong et al. (2016)
HAT-P-8b	2456052.75596 ± 0.00024 3.07634354 ± 0.00000060	Latham et al. (2009), Mancini et al. (2013b), Wang et al. (2021)
HAT-P-9b	2456536.22681 ± 0.00019 3.92281118 ± 0.00000039	Shporer et al. (2009b), Dittmann et al. (2012), Wang et al. (2019b)
HATS-10b	2456706.34481 ± 0.00031 3.3128283 ± 0.0000013	Brahm et al. (2015)
HATS-11b	2457338.608482 ± 0.000068 3.6191546 ± 0.0000010	Rabus et al. (2016)
HATS-13b	2457375.29602 ± 0.00018 3.04405365 ± 0.00000048	Mancini et al. (2015a)
HATS-17b	2458390.77873 ± 0.00066 16.254688 ± 0.000011	Brahm et al. (2016a)
HATS-1b	2458711.86936 ± 0.00019 3.44645631 ± 0.00000073	Penev et al. (2013)
HATS-22b	2458278.17662 ± 0.00017 4.72281722 ± 0.00000085	Bento et al. (2017)
HATS-23b	2457580.57338 ± 0.00041 2.1605106 ± 0.0000012	Bento et al. (2017)
HATS-24b	2458912.88475 ± 0.00013 1.34849689 ± 0.00000027	Bento et al. (2017)
HATS-25b	2458426.47971 ± 0.00020 4.29864715 ± 0.00000085	Espinoza et al. (2016)
HATS-26b	2458436.06047 ± 0.00056 3.3023930 ± 0.0000022	Espinoza et al. (2016)

HATS-27b	2458309.16369 ± 0.00041 4.6370497 ± 0.0000022	Espinoza et al. (2016)
HATS-29b	2457925.49742 ± 0.00037 4.6058789 ± 0.0000018	Espinoza et al. (2016)
HATS-2b	2457108.308426 ± 0.000095 1.354133683 ± 0.000000087	Mohler-Fischer et al. (2013)
HATS-30b	2458378.82982 ± 0.00016 3.17435130 ± 0.00000059	Espinoza et al. (2016)
HATS-31b	2458193.0944 ± 0.0010 3.3779345 ± 0.0000029	de Val-Borro et al. (2016)
HATS-33b	2458840.28134 ± 0.00016 2.54956314 ± 0.00000079	de Val-Borro et al. (2016)
HATS-34b	2458241.85898 ± 0.00034 2.10616100 ± 0.00000078	de Val-Borro et al. (2016)
HATS-35b	2458604.31464 ± 0.00016 1.82100088 ± 0.00000027	de Val-Borro et al. (2016)
HATS-39b	2457704.38302 ± 0.00038 4.5776335 ± 0.0000024	Bento et al. (2018)
HATS-3b	2456599.44945 ± 0.00013 3.54785094 ± 0.00000046	Addison et al. (2014)
HATS-40b	2457217.29093 ± 0.00041 3.2642814 ± 0.0000018	Bento et al. (2018)
HATS-41b	2458754.16509 ± 0.00041 4.1936622 ± 0.0000016	Bento et al. (2018)
HATS-42b	2458290.56435 ± 0.00033 2.29210278 ± 0.00000062	Bento et al. (2018)
HATS-43b	2458338.30607 ± 0.00015 4.38884916 ± 0.00000100	Brahm et al. (2018a)
HATS-45b	2457983.29452 ± 0.00048 4.1876193 ± 0.0000018	Brahm et al. (2018a)
HATS-46b	2458320.41790 ± 0.00036 4.7423696 ± 0.0000018	Brahm et al. (2018a)
HATS-48Ab	2457955.49543 ± 0.00016 3.13166726 ± 0.00000061	Hartman et al. (2020)
HATS-4b	2458219.36583 ± 0.00023 2.51672673 ± 0.00000041	Jordán et al. (2014)
HATS-51b	2458816.90483 ± 0.00021 3.34886776 ± 0.00000084	Henning et al. (2018)
HATS-52b	2458731.65066 ± 0.00020 1.36665615 ± 0.00000029	Henning et al. (2018)
HATS-53b	2458281.13119 ± 0.00024 3.85377811 ± 0.00000088	Henning et al. (2018)
HATS-56b	2458890.81909 ± 0.00031 4.3247662 ± 0.0000019	Espinoza et al. (2019b)
HATS-57b	2458697.58795 ± 0.00018 2.35061718 ± 0.00000068	Espinoza et al. (2019b)
HATS-58Ab	2459036.64203 ± 0.00048 4.2180734 ± 0.0000029	Espinoza et al. (2019b)
HATS-5b	2456726.31352 ± 0.00013 4.76338960 ± 0.00000063	Zhou et al. (2014)
HATS-60b	2458824.02818 ± 0.00066 3.5608102 ± 0.0000037	Hartman et al. (2019)

HATS-64b	2458265.6222 ± 0.0011 4.9088962 ± 0.0000070	Hartman et al. (2019)
HATS-65b	2458669.87103 ± 0.00019 3.10515931 ± 0.00000063	Hartman et al. (2019)
HATS-67b	2457796.8820712 ± 0.0000048 1.60918329 ± 0.00000052	Hartman et al. (2019)
HATS-68b	2458798.27674 ± 0.00048 3.5862213 ± 0.0000023	Hartman et al. (2019)
HATS-6b	2457105.95308 ± 0.00011 3.32526416 ± 0.00000037	Hartman et al. (2015c)
HATS-70b	2458309.17296 ± 0.00045 1.88823959 ± 0.00000076	Zhou et al. (2019b)
HATS-72b	2458124.287569 ± 0.000047 7.3279497 ± 0.0000014	Hartman et al. (2020)
HATS-7b	2457340.55193 ± 0.00036 3.18531086 ± 0.00000098	Bakos et al. (2015b)
HD106315c	2458432.34121 ± 0.00054 21.056611 ± 0.000054	Lendl et al. (2017b), Guilluy et al. (2021)
HD108236b	2459016.285 ± 0.015 3.79666 ± 0.00016	Bonfanti et al. (2021)
HD108236c	2458907.39056 ± 0.00079 6.203688 ± 0.000015	Bonfanti et al. (2021)
HD108236d	2458939.90937 ± 0.00072 14.175877 ± 0.000030	Bonfanti et al. (2021)
HD108236e	2458978.37243 ± 0.00088 19.590186 ± 0.000051	Bonfanti et al. (2021)
HD110113b	2459103.603219 ± 0.000024 2.54047310 ± 0.00000018	
HD149026b	2457217.64141 ± 0.00011 2.87588852 ± 0.00000014	Charbonneau et al. (2006), Winn et al. (2008a), Nutzman et al. (2009), Carter et al. (2009), Knutson et al. (2009), Stevenson et al. (2012)
HD17156b	2455499.305818 ± 0.000077 21.2164388 ± 0.0000011	Gillon et al. (2008), Irwin et al. (2008), Narita et al. (2008), Barbieri et al. (2009), Winn et al. (2009b), Nutzman et al. (2011)
HD189733b	2456600.066845 ± 0.000029 2.218574949 ± 0.000000027	Agol et al. (2010), Hrudková et al. (2010), Knutson et al. (2012)
HD191939b	2458910.72285 ± 0.00022 8.880318 ± 0.000012	
HD191939c	2458868.95486 ± 0.00091 28.57967 ± 0.00016	
HD202772Ab	2458705.89570 ± 0.00015 3.3088752 ± 0.0000014	
HD209458b	2455420.84454 ± 0.00016 3.52474955 ± 0.00000033	Miller-Ricci et al. (2008), Deming et al. (2013)
HD219134b	2458694.81665 ± 0.00027 3.0929339 ± 0.0000017	Gillon et al. (2017)
HD219666b	2458600.75321 ± 0.00084 6.034468 ± 0.000014	
HD2685b	2458726.093509 ± 0.000087 4.1269052 ± 0.0000010	
HD332231b	2459178.77036 ± 0.00012 18.7120713 ± 0.0000066	
HD5278b	2458695.03679 ± 0.00068 14.339165 ± 0.000037	

HD63433b	2459342.92880 ± 0.00046 7.107938 ± 0.000011	
HD63433c	2459316.56684 ± 0.00012 20.5438054 ± 0.0000073	
HD86226c	2458698.65588 ± 0.00063 3.9846659 ± 0.0000093	
HD89345b	2459107.0581 ± 0.0012 11.814416 ± 0.000020	
HD97658b	2457339.20523 ± 0.00010 9.4893038 ± 0.0000015	Dragomir et al. (2013), Van Grootel et al. (2014), Guo et al. (2020), Maxted et al. (2021)
HIP65Ab	2458658.653778 ± 0.000045 0.98097217 ± 0.00000012	
K2-107b	2457334.349839 ± 0.000096 3.3139150 ± 0.0000030	
K2-113b	2457893.20123 ± 0.00039 5.8176017 ± 0.0000027	
K2-115b	2457522.07057 ± 0.00025 20.2729861 ± 0.0000073	
K2-116b	2457412.8687 ± 0.0038 4.654879 ± 0.000020	
K2-121b	2458092.553641 ± 0.000090 5.18575327 ± 0.00000086	
K2-132b	2458434.0303 ± 0.0049 9.172615 ± 0.000053	Grunblatt et al. (2017)
K2-136c	2457864.63892 ± 0.00078 17.307020 ± 0.000091	
K2-140b	2457699.961596 ± 0.000093 6.5692050 ± 0.0000017	
K2-155c	2458188.6149 ± 0.0011 13.853542 ± 0.000024	
K2-198b	2457784.02612 ± 0.00036 17.042843 ± 0.000013	
K2-198d	2457727.63009 ± 0.00044 7.4500420 ± 0.0000067	
K2-199c	2457687.52394 ± 0.00064 7.3744835 ± 0.0000091	
K2-19b	2456932.1946 ± 0.0011 7.920980 ± 0.000021	Narita et al. (2015), Petigura et al. (2020)
K2-232b	2458160.403859 ± 0.000040 11.16844238 ± 0.00000067	Brahm et al. (2018b)
K2-233d	2458151.77371 ± 0.00068 24.365437 ± 0.000041	
K2-237b	2457950.83618 ± 0.00011 2.18053431 ± 0.00000045	Edwards et al. (2021a)
K2-238b	2457984.06077 ± 0.00024 3.2046909 ± 0.0000022	
K2-25b	2457651.471615 ± 0.000064 3.48456254 ± 0.00000064	Kain et al. (2020)
K2-260b	2458109.67427 ± 0.00019 2.62669771 ± 0.00000083	
K2-261b	2458337.27902 ± 0.00041 11.6334775 ± 0.0000078	

K2-266d	2458488.6671 ± 0.0027 14.698201 ± 0.000051	
K2-284b	2458079.67430 ± 0.00070 4.7948605 ± 0.0000061	
K2-295b	2457592.63331 ± 0.00011 4.02488977 ± 0.00000080	
K2-29b	2458583.04800 ± 0.00012 3.25883427 ± 0.00000034	
K2-30b	2457477.75333 ± 0.00013 4.09847814 ± 0.00000066	
K2-31b	2456953.975778 ± 0.000085 1.25784886 ± 0.00000072	Grziwa et al. (2016)
K2-333b	2458525.4295 ± 0.0013 14.759863 ± 0.000029	
K2-334b	2458209.31604 ± 0.00031 5.1138431 ± 0.0000052	
K2-34b	2457860.303905 ± 0.000051 2.99563535 ± 0.00000025	
K2-55b	2457068.90137 ± 0.00024 2.8492810 ± 0.0000017	
KELT-10b	2457612.49946 ± 0.00041 4.1662542 ± 0.0000017	Kuhn et al. (2016)
KELT-11b	2458255.43247 ± 0.00013 4.7362007 ± 0.0000035	Pepper et al. (2017), Beatty et al. (2017b), Changeat et al. (2020)
KELT-12b	2459020.83913 ± 0.00022 5.0316327 ± 0.0000018	Stevens et al. (2017)
KELT-14b	2458664.277117 ± 0.000067 1.71005326 ± 0.00000014	Rodriguez et al. (2016), Turner et al. (2016b)
KELT-15b	2458973.57813 ± 0.00012 3.3294660 ± 0.0000012	Edwards et al. (2021a)
KELT-16b	2458406.163597 ± 0.000076 0.968992954 ± 0.000000095	Oberst et al. (2017), Maciejewski et al. (2018), Patra et al. (2020), Bell et al. (2021)
KELT-17b	2459440.791304 ± 0.000083 3.08017983 ± 0.00000054	Zhou et al. (2016)
KELT-18b	2458676.84595 ± 0.00025 2.8716995 ± 0.0000012	McLeod et al. (2017)
KELT-19Ab	2458171.31416 ± 0.00026 4.6117361 ± 0.0000023	Siverd et al. (2018)
KELT-1b	2457727.01163 ± 0.00012 1.21749416 ± 0.00000012	Siverd et al. (2012), Beatty et al. (2014), Beatty et al. (2017a), Maciejewski et al. (2018), Beatty et al. (2020)
KELT-20b	2459285.333674 ± 0.000019 3.47410036 ± 0.00000020	Lund et al. (2017), Casasayas-Barris et al. (2019)
KELT-21b	2458881.93967 ± 0.00022 3.61276952 ± 0.00000097	Johnson et al. (2018b)
KELT-23Ab	2458918.461247 ± 0.000021 2.25528745 ± 0.00000019	
KELT-24b	2459045.663474 ± 0.000057 5.5514940 ± 0.0000011	Rodriguez et al. (2019a)
KELT-2Ab	2459467.198987 ± 0.000075 4.11377551 ± 0.00000080	Beatty et al. (2012)
KELT-3b	2458572.77782 ± 0.00015 2.70338920 ± 0.00000048	Pepper et al. (2013), Wang et al. (2021)

KELT-4Ab	2456755.33395 ± 0.00030 2.98958652 ± 0.00000086	Eastman et al. (2016)
KELT-6b	2457218.65871 ± 0.00034 7.8456045 ± 0.0000021	Collins et al. (2014)
KELT-7b	2459122.812257 ± 0.000055 2.73476556 ± 0.00000019	Bieryla et al. (2015), Garhart et al. (2020), Pluriel et al. (2020)
KELT-8b	2457986.46740 ± 0.00027 3.24408156 ± 0.00000096	Fulton et al. (2015), Mallonn et al. (2019b)
KELT-9b	2458955.970925 ± 0.000049 1.48111873 ± 0.00000015	Gaudi et al. (2017), Mansfield et al. (2020)
KOI-12b	2455711.66072 ± 0.00011 17.8552278 ± 0.0000045	
KOI-13b	2455782.4520958 ± 0.0000067 1.763587614 ± 0.000000028	
KOI-94c	2455679.81937 ± 0.00049 10.423670 ± 0.000013	
KOI-94d	2455725.40283 ± 0.00015 22.3429761 ± 0.0000070	
KOI-94e	2455809.0399 ± 0.0015 54.32001 ± 0.00016	
KPS-1b	2458888.78719 ± 0.00019 1.70632519 ± 0.00000090	Burdanov et al. (2018)
Kepler-105b	2455664.31697 ± 0.00030 5.4122032 ± 0.0000036	
Kepler-12b	2455669.703588 ± 0.000022 4.43796265 ± 0.00000022	
Kepler-18d	2455689.24109 ± 0.00024 14.8589206 ± 0.0000089	
Kepler-396c	2455546.7461 ± 0.0061 88.5127 ± 0.0013	
Kepler-41b	2455667.870658 ± 0.000017 1.855557580 ± 0.000000080	
Kepler-422b	2455641.565851 ± 0.000026 7.89144910 ± 0.00000047	
Kepler-435b	2455724.455020 ± 0.000083 8.6001547 ± 0.0000017	
Kepler-447b	2455726.307578 ± 0.000033 7.79430282 ± 0.00000057	
Kepler-5b	2455697.530732 ± 0.000024 3.54846565 ± 0.00000019	
Kepler-6b	2455640.242816 ± 0.000015 3.23469927 ± 0.00000011	
Kepler-76b	2455646.317466 ± 0.000018 1.544928875 ± 0.000000066	
Kepler-7b	2455700.100203 ± 0.000025 4.88548842 ± 0.00000026	
Kepler-854b	2455670.424330 ± 0.000022 2.14463319 ± 0.00000011	
L98-59b	2458823.55190 ± 0.00021 2.2531154 ± 0.0000014	
L98-59c	2458887.65820 ± 0.00015 3.6906721 ± 0.0000014	

L98-59d	2458839.58646 ± 0.00027 7.4507358 ± 0.0000051	
LHS1140b	2458103.084198 ± 0.000042 24.737211 ± 0.000018	Dittmann et al. (2017), Edwards et al. (2021b)
LHS1140c	2458226.843970 ± 0.000018 3.7779330 ± 0.0000027	Ment et al. (2019)
LHS3844b	2458837.26305 ± 0.00022 0.46292962 ± 0.00000029	
LP714-47b	2458774.70335 ± 0.00024 4.0520345 ± 0.0000028	
LP791-18c	2458905.78258 ± 0.00019 4.9899054 ± 0.0000026	
LTT1445Ab	2458905.71547 ± 0.00076 5.358776 ± 0.000012	
LTT3780c	2458608.11005 ± 0.00045 12.252209 ± 0.000027	
LTT9779b	2458724.90097 ± 0.00013 0.79206427 ± 0.00000029	
MASCARA-4b	2459321.975440 ± 0.000061 2.8240766 ± 0.0000056	Dorval et al. (2020)
NGTS-1b	2458591.62437 ± 0.00036 2.6473069 ± 0.0000017	Bayliss et al. (2018b)
NGTS-2b	2459238.77448 ± 0.00025 4.5111228 ± 0.0000040	Raynard et al. (2018)
NGTS-6b	2458718.01608 ± 0.00024 0.88205852 ± 0.00000033	Vines et al. (2019)
Qatar-10b	2459108.413065 ± 0.000089 1.64532656 ± 0.00000050	Alsubai et al. (2019a)
Qatar-1b	2457475.204488 ± 0.000040 1.420024444 ± 0.000000050	Alsubai et al. (2011), Covino et al. (2013), von Essen et al. (2013), Maciejewski et al. (2015), Collins et al. (2017), Püsküllü et al. (2017), Su et al. (2021)
Qatar-2b	2457020.216831 ± 0.000031 1.337116562 ± 0.000000057	Mancini et al. (2014a)
Qatar-3b	2457367.65840 ± 0.00010 2.50789984 ± 0.00000081	Alsubai et al. (2017)
Qatar-4b	2458919.58363 ± 0.00016 1.80536405 ± 0.00000057	Alsubai et al. (2017), Mallonn et al. (2019b), Wang et al. (2021)
Qatar-5b	2457593.01599 ± 0.00014 2.87929998 ± 0.00000066	Alsubai et al. (2017), Mallonn et al. (2019b)
Qatar-7b	2458303.419741 ± 0.000098 2.03202332 ± 0.00000035	Alsubai et al. (2019b)
Qatar-8b	2459366.09442 ± 0.00018 3.7146456 ± 0.0000027	Alsubai et al. (2019a)
Qatar-9b	2459275.48369 ± 0.00012 1.54077518 ± 0.00000043	Alsubai et al. (2019a)
TIC257060897b	2458979.84077 ± 0.00021 3.6600331 ± 0.0000021	Montalto et al. (2022)
TOI-1130b	2458866.6752 ± 0.0013 4.077041 ± 0.000028	Huang et al. (2020)
TOI-1130c	2458841.60130 ± 0.00014 8.3498496 ± 0.0000059	Huang et al. (2020)
TOI-1201b	2458822.84780 ± 0.00037 2.4919731 ± 0.0000024	

TOI-1259Ab	2458989.284660 ± 0.000042 3.47797908 ± 0.00000057	
TOI-125b	2458578.6394 ± 0.0015 4.651855 ± 0.000020	
TOI-125c	2458673.1647 ± 0.0018 9.154550 ± 0.000045	
TOI-1266c	2459122.3979 ± 0.0020 18.80171 ± 0.00012	Demory et al. (2020)
TOI-1296b	2459092.47456 ± 0.00019 3.9443733 ± 0.0000039	
TOI-1298b	2459101.99703 ± 0.00025 4.5371459 ± 0.0000059	
TOI-1478b	2459045.65658 ± 0.00017 10.1803074 ± 0.0000060	Rodriguez et al. (2021)
TOI-150.01	2459029.17049 ± 0.00015 5.8574201 ± 0.0000032	
TOI-1518b	2458806.07540 ± 0.00010 1.9026145 ± 0.0000016	Cabot et al. (2021)
TOI-157b	2459087.404530 ± 0.000065 2.08453887 ± 0.00000053	
TOI-163b	2459060.866515 ± 0.000098 4.2311144 ± 0.0000015	
TOI-169b	2458943.17851 ± 0.00037 2.2554452 ± 0.0000043	
TOI-1728b	2459087.67386 ± 0.00032 3.4914052 ± 0.0000034	
TOI-172b	2459085.0724 ± 0.0010 9.476937 ± 0.000027	Rodriguez et al. (2019b)
TOI-1789b	2459383.83993 ± 0.00029 3.2087186 ± 0.0000033	Khandelwal et al. (2022)
TOI-201b	2458958.81249 ± 0.00012 52.978187 ± 0.000016	
TOI-2076b	2458805.85426 ± 0.00027 10.355492 ± 0.000034	
TOI-216.01	2458848.970 ± 0.020 34.5070 ± 0.0040	
TOI-216.02	2458927.585 ± 0.063 17.209 ± 0.012	
TOI-257b	2458808.67779 ± 0.00053 18.387684 ± 0.000027	
TOI-269b	2458755.31536 ± 0.00034 3.6977165 ± 0.0000037	
TOI-270b	2458833.9928 ± 0.0010 3.3601553 ± 0.0000090	
TOI-270c	2458734.79486 ± 0.00028 5.6605739 ± 0.0000045	
TOI-270d	2458776.58468 ± 0.00037 11.379567 ± 0.000012	
TOI-421c	2458681.14621 ± 0.00057 16.067530 ± 0.000028	
TOI-431b	2458589.3162 ± 0.0012 0.4900520 ± 0.0000021	

TOI-431d	2458764.61739 ± 0.00013 12.4610214 ± 0.0000042	
TOI-451c	2458954.1521 ± 0.0018 9.192421 ± 0.000051	
TOI-451d	2458727.56732 ± 0.00093 16.364908 ± 0.000041	
TOI-481b	2458924.88753 ± 0.00013 10.3311566 ± 0.0000038	
TOI-530b	2459128.12291 ± 0.00048 6.3875893 ± 0.0000072	
TOI-561c	2459055.2229 ± 0.0012 10.778827 ± 0.000026	
TOI-564b	2458950.80383 ± 0.00032 1.6511441 ± 0.0000015	
TOI-640b	2459150.26188 ± 0.00028 5.0037904 ± 0.0000056	Rodriguez et al. (2021)
TOI-674b	2458862.847753 ± 0.000091 1.97716416 ± 0.00000047	
TOI-677b	2458918.28241 ± 0.00014 11.2366058 ± 0.0000041	
TOI-700c	2458821.62193 ± 0.00041 16.051115 ± 0.000018	
TOI-776b	2458785.82768 ± 0.00082 8.246629 ± 0.000019	
TOI-776c	2459026.89406 ± 0.00088 15.665339 ± 0.000037	
TOI-824b	2458989.24041 ± 0.00029 1.3929750 ± 0.0000011	
TOI-837b	2459065.44319 ± 0.00050 8.324917 ± 0.000011	
TOI-892b	2459134.53979 ± 0.00037 10.626628 ± 0.000017	Brahm et al. (2020)
TOI-905b	2459185.54646 ± 0.00011 3.7395671 ± 0.0000014	
TrES-1b	2456865.312132 ± 0.000060 3.030069481 ± 0.000000070	Alonso et al. (2004), Winn et al. (2007a), Narita et al. (2007), Rabus et al. (2009), Raetz et al. (2009a), Wang et al. (2021)
TrES-2b	2455706.8297696 ± 0.0000044 2.470613372 ± 0.000000023	O'Donovan et al. (2006), Holman et al. (2007), Raetz et al. (2009b), Mislis et al. (2010), Christiansen et al. (2011), Turner et al. (2016a), Öztürk & Erdem (2019)
TrES-3b	2457585.914585 ± 0.000023 1.306186347 ± 0.000000036	O'Donovan et al. (2007), Sozzetti et al. (2009), Gibson et al. (2009), Colón et al. (2010), Christiansen et al. (2011), Kundurthy et al. (2013), Turner et al. (2013), Parviainen et al. (2016), Stefansson et al. (2017), Püsküllü et al. (2017), Mannaday et al. (2020), Saha et al. (2021)
TrES-4b	2457482.75060 ± 0.00025 3.55392886 ± 0.00000045	Mandushev et al. (2007), Chan et al. (2011)
TrES-5b	2457011.470348 ± 0.000069 1.482246872 ± 0.000000089	Mandushev et al. (2011), Mislis et al. (2015), Sokov et al. (2018)
WASP-100b	2458853.880674 ± 0.000051 2.84938226 ± 0.00000035	Hellier et al. (2014)
WASP-101b	2458387.832519 ± 0.000083 3.58570702 ± 0.00000027	Hellier et al. (2014)

WASP-103b	2457308.324537 ± 0.000030 0.925545383 ± 0.000000057	Gillon et al. (2014), Southworth et al. (2015b), Lendl et al. (2017a), Turner et al. (2017), Maciejewski et al. (2018), Delrez et al. (2018), Patra et al. (2020), Kirk et al. (2021)
WASP-104b	2457938.581064 ± 0.000025 1.75540574 ± 0.00000014	Smith et al. (2014), Wang et al. (2021)
WASP-105b	2457607.807457 ± 0.000045 7.87289171 ± 0.00000038	Anderson et al. (2017)
WASP-106b	2457652.83875 ± 0.00018 9.2897055 ± 0.0000014	Smith et al. (2014)
WASP-107b	2457572.886896 ± 0.000061 5.7214892 ± 0.0000010	Anderson et al. (2017)
WASP-10b	2456253.700515 ± 0.000081 3.09272813 ± 0.00000016	Christian et al. (2009), Dittmann et al. (2010), Maciejewski et al. (2011b), Maciejewski et al. (2011c), Barros et al. (2013), Sada & Ramón-Fox (2016)
WASP-113b	2457224.351201 ± 0.000040 4.54216699 ± 0.00000081	Barros et al. (2016)
WASP-114b	2457522.66045 ± 0.00023 1.54877500 ± 0.00000035	Barros et al. (2016), Patra et al. (2020)
WASP-117b	2458728.334181 ± 0.000069 10.0205933 ± 0.0000029	Lendl et al. (2014), Mallonn et al. (2019b), Anisman et al. (2020)
WASP-118b	2457888.34010 ± 0.00021 4.04605053 ± 0.00000091	Hay et al. (2016)
WASP-119b	2458834.869818 ± 0.000065 2.49980443 ± 0.00000040	Maciejewski (2020)
WASP-11b	2456646.984347 ± 0.000073 3.72247919 ± 0.00000017	West et al. (2009a), Sada et al. (2012), Wang et al. (2014b), Mancini et al. (2015b)
WASP-120b	2458534.51203 ± 0.00018 3.61126723 ± 0.00000077	Turner et al. (2016b)
WASP-121b	2458656.464081 ± 0.000028 1.274924764 ± 0.000000045	Delrez et al. (2016), Tsiaras et al. (2018), Evans et al. (2018), Bourrier et al. (2020)
WASP-123b	2458735.97535 ± 0.00010 2.97764359 ± 0.00000050	Turner et al. (2016b)
WASP-124b	2457433.302142 ± 0.000066 3.37264957 ± 0.00000026	Maxted et al. (2016)
WASP-126b	2458824.127440 ± 0.000055 3.28878702 ± 0.00000044	Maxted et al. (2016)
WASP-127b	2458385.175530 ± 0.000088 4.17806513 ± 0.00000054	Lam et al. (2017), Palle et al. (2017), Chen et al. (2018), Skaf et al. (2020)
WASP-129b	2457745.95506 ± 0.00012 5.74813568 ± 0.00000075	Maxted et al. (2016)
WASP-12b	2457030.157657 ± 0.000056 1.091419178 ± 0.000000042	Hebb et al. (2009), Maciejewski et al. (2011a), Chan et al. (2011), Haswell et al. (2012), Maciejewski et al. (2013a), Sing et al. (2013), Stevenson et al. (2014), Kreidberg et al. (2015), Maciejewski et al. (2016a), Collins et al. (2017), Patra et al. (2017), Maciejewski et al. (2018), Yee et al. (2020)
WASP-130b	2457937.62926 ± 0.00020 11.5509711 ± 0.0000022	Hellier et al. (2017)
WASP-131b	2458117.27706 ± 0.00027 5.3220121 ± 0.0000017	Hellier et al. (2017)
WASP-132b	2458809.72812 ± 0.00021 7.1335130 ± 0.0000016	Hellier et al. (2017)
WASP-133b	2457338.98343 ± 0.00013 2.17642384 ± 0.00000048	Maxted et al. (2016)

WASP-135b	2459046.94409 ± 0.00019 1.40137865 ± 0.00000038	Spake et al. (2016)
WASP-136b	2459113.38587 ± 0.00040 5.2153547 ± 0.0000035	Lam et al. (2017)
WASP-138b	2458257.03700 ± 0.00034 3.6344327 ± 0.0000015	Lam et al. (2017)
WASP-139b	2458363.87461 ± 0.00021 5.9242673 ± 0.0000015	Hellier et al. (2017)
WASP-13b	2457077.30362 ± 0.00028 4.35301104 ± 0.00000066	Skillen et al. (2009), Barros et al. (2012)
WASP-140b	2458533.440611 ± 0.000072 2.23598449 ± 0.00000025	Hellier et al. (2017)
WASP-141b	2458026.03877 ± 0.00026 3.31066693 ± 0.00000082	Hellier et al. (2017)
WASP-142b	2458046.53126 ± 0.00029 2.05287054 ± 0.00000057	Hellier et al. (2017)
WASP-144b	2457740.52399 ± 0.00014 2.27831336 ± 0.00000033	Hellier et al. (2019a)
WASP-145Ab	2458429.22422 ± 0.00013 1.76903813 ± 0.00000022	Hellier et al. (2019a)
WASP-147b	2458684.46063 ± 0.00060 4.6027440 ± 0.0000028	Lendl et al. (2019)
WASP-14b	2455798.61781 ± 0.00012 2.24376640 ± 0.00000022	Joshi et al. (2009), Johnson et al. (2009a), Blecic et al. (2013), Wong et al. (2015), Raetz et al. (2015)
WASP-151b	2458058.35164 ± 0.00015 4.5334683 ± 0.0000011	
WASP-153b	2458914.62184 ± 0.00041 3.3326083 ± 0.0000017	Demangeon et al. (2018)
WASP-156b	2459070.11984 ± 0.00014 3.83616499 ± 0.00000090	Demangeon et al. (2018)
WASP-157b	2457846.593999 ± 0.000037 3.95161591 ± 0.00000030	
WASP-158b	2458362.15516 ± 0.00051 3.6563308 ± 0.0000022	Hellier et al. (2019a)
WASP-159b	2458724.20162 ± 0.00064 3.8404213 ± 0.0000035	Hellier et al. (2019a)
WASP-15b	2456310.66381 ± 0.00016 3.75209953 ± 0.00000051	West et al. (2009b), Southworth et al. (2013)
WASP-160Bb	2458397.38024 ± 0.00022 3.76849255 ± 0.00000082	Lendl et al. (2019)
WASP-161b	2458940.91460 ± 0.00015 5.4056202 ± 0.0000011	Barkaoui et al. (2019)
WASP-162b	2458288.48695 ± 0.00028 9.6246650 ± 0.0000036	Hellier et al. (2019a)
WASP-164b	2458424.74757 ± 0.00017 1.77713686 ± 0.00000030	Lendl et al. (2019)
WASP-165b	2458425.98542 ± 0.00079 3.4655062 ± 0.0000035	Lendl et al. (2019)
WASP-166b	2458704.04580 ± 0.00029 5.4435424 ± 0.0000030	Hellier et al. (2019b)
WASP-167b	2458117.02169 ± 0.00019 2.02195936 ± 0.00000034	Temple et al. (2017)

WASP-168b	2458737.08435 ± 0.00030 4.1536574 ± 0.0000015	Hellier et al. (2019a)
WASP-169b	2458763.18830 ± 0.00057 5.6114205 ± 0.0000047	Nielsen et al. (2019)
WASP-16b	2456393.21977 ± 0.00013 3.11860350 ± 0.00000024	Lister et al. (2009), Southworth et al. (2013)
WASP-170b	2458571.47948 ± 0.00015 2.34477784 ± 0.00000047	Barkaoui et al. (2019)
WASP-172b	2458856.24725 ± 0.00020 5.4774316 ± 0.0000011	Hellier et al. (2019a)
WASP-173Ab	2458504.95428 ± 0.00010 1.38665330 ± 0.00000021	Hellier et al. (2019a)
WASP-174b	2458503.18969 ± 0.00017 4.2336995 ± 0.0000018	Temple et al. (2018), Mancini et al. (2020)
WASP-175b	2457744.58742 ± 0.00027 3.06529496 ± 0.00000085	Nielsen et al. (2019)
WASP-177b	2458584.14247 ± 0.00017 3.07172011 ± 0.00000069	Turner et al. (2019)
WASP-17b	2457569.98347 ± 0.00012 3.73548544 ± 0.00000025	Anderson et al. (2010), Southworth et al. (2012c), Sedaghati et al. (2016)
WASP-180Ab	2458206.519403 ± 0.000048 3.40926462 ± 0.00000025	Temple et al. (2019a)
WASP-181b	2458741.95976 ± 0.00011 4.51949984 ± 0.00000060	Turner et al. (2019)
WASP-183b	2459465.56098 ± 0.00025 4.1117629 ± 0.0000051	Turner et al. (2019)
WASP-186b	2458911.37522 ± 0.00034 5.0267952 ± 0.0000014	Schanche et al. (2020)
WASP-18b	2458515.446274 ± 0.000018 0.941452421 ± 0.000000020	Hellier et al. (2009a), Maxted et al. (2013b), Wilkins et al. (2017)
WASP-190b	2458507.67089 ± 0.00032 5.3677675 ± 0.0000025	Temple et al. (2019b)
WASP-192b	2459079.13703 ± 0.00039 2.8786676 ± 0.0000016	Hellier et al. (2019c)
WASP-19b	2456885.482833 ± 0.000036 0.788839092 ± 0.000000024	Hebb et al. (2010), Lendl et al. (2013), Bean et al. (2013), Tregloan-Reed et al. (2013), Huitson et al. (2013), Mancini et al. (2013a), Espinoza et al. (2019a)
WASP-1b	2456031.78982 ± 0.00021 2.51994699 ± 0.00000030	Charbonneau et al. (2007), Collier Cameron et al. (2007), Shporer et al. (2007), Granata et al. (2014), Turner et al. (2016a)
WASP-20b	2458087.08447 ± 0.00014 4.89964473 ± 0.00000051	Anderson et al. (2015a)
WASP-21b	2457738.54027 ± 0.00018 4.32250420 ± 0.00000074	Bouchy et al. (2010), Ciceri et al. (2013), Seeliger et al. (2015), Chen et al. (2020), Alderson et al. (2020)
WASP-22b	2456850.43603 ± 0.00015 3.53272910 ± 0.00000046	Southworth et al. (2016)
WASP-23b	2457301.723604 ± 0.000073 2.94442730 ± 0.00000015	Triaud et al. (2011), Nikolov et al. (2013)
WASP-24b	2455596.44875 ± 0.00019 2.34122047 ± 0.00000035	Street et al. (2010), Turner et al. (2017), Wang et al. (2021)
WASP-25b	2457744.72778 ± 0.00016 3.76483343 ± 0.00000038	Enoch et al. (2011a)
WASP-26b	2457309.62113 ± 0.00024 2.75659746 ± 0.00000050	Smalley et al. (2010), Southworth et al. (2014)

WASP-28b	2457649.32006 ± 0.00013 3.40883509 ± 0.00000050	Anderson et al. (2015a), Petrucci et al. (2015), Maciejewski et al. (2016b), Wang et al. (2021)
WASP-29b	2457866.07613 ± 0.00011 3.92271179 ± 0.00000031	Dragomir et al. (2011), Gibson et al. (2013a)
WASP-2b	2455235.499740 ± 0.000076 2.15222216 ± 0.00000013	Charbonneau et al. (2007), Southworth et al. (2010), Becker et al. (2013), Addison et al. (2019)
WASP-31b	2457277.09226 ± 0.00012 3.40588749 ± 0.00000027	Anderson et al. (2011a), Dragomir et al. (2011), Sing et al. (2015)
WASP-32b	2457679.41110 ± 0.00025 2.71866200 ± 0.00000040	Maxted et al. (2010b), Sada et al. (2012), Sun et al. (2015)
WASP-34b	2458654.36449 ± 0.00013 4.31768410 ± 0.00000057	Smalley et al. (2011)
WASP-35b	2458168.227924 ± 0.000071 3.16156849 ± 0.00000018	Enoch et al. (2011b)
WASP-36b	2456848.926097 ± 0.000059 1.537365589 ± 0.000000092	Smith et al. (2012), Turner et al. (2016a), Mancini et al. (2016b), Wang et al. (2021)
WASP-37b	2458021.72947 ± 0.00019 3.57747895 ± 0.00000041	Simpson et al. (2011), Mallonn et al. (2019b), Wang et al. (2021)
WASP-38b	2456992.0458 ± 0.0010 6.8718853 ± 0.0000042	Barros et al. (2011), Wang et al. (2021)
WASP-39b	2456908.307777 ± 0.000082 4.05528051 ± 0.00000033	Faedi et al. (2011), Barstow et al. (2017), Kirk et al. (2019)
WASP-3b	2456598.295064 ± 0.000075 1.846835097 ± 0.000000071	Gibson et al. (2008), Pollacco et al. (2008), Tripathi et al. (2010), Maciejewski et al. (2010), Christiansen et al. (2011), Eibe et al. (2012), Montalto et al. (2012), Sada et al. (2012), Nascimbeni et al. (2013b), Maciejewski et al. (2013b)
WASP-41b	2457077.229443 ± 0.000071 3.05240175 ± 0.00000019	Maxted et al. (2011), Neveu-VanMalle et al. (2016), Southworth et al. (2016)
WASP-42b	2456821.262597 ± 0.000072 4.98168159 ± 0.00000037	Lendl et al. (2012), Southworth et al. (2016)
WASP-43b	2457202.184881 ± 0.000032 0.813474056 ± 0.000000020	Hellier et al. (2011), Gillon et al. (2012), Chen et al. (2014), Murgas et al. (2014), Jiang et al. (2016), Hoyer et al. (2016), Esposito et al. (2017), Sun et al. (2018), Weaver et al. (2020), Wang et al. (2021)
WASP-44b	2456343.30586 ± 0.00010 2.42381127 ± 0.00000022	Anderson et al. (2012), Mancini et al. (2013c), Turner et al. (2016a), Moyano et al. (2017), Addison et al. (2019)
WASP-45b	2458623.61613 ± 0.00022 3.12607717 ± 0.00000076	Anderson et al. (2012), Addison et al. (2019)
WASP-46b	2457715.24083 ± 0.00012 1.43037192 ± 0.00000012	Anderson et al. (2012), Moyano et al. (2017), Petrucci et al. (2018)
WASP-47b	2457182.61643 ± 0.00014 4.15915029 ± 0.00000062	Hellier et al. (2012)
WASP-48b	2458106.26315 ± 0.00014 2.14363680 ± 0.00000019	Enoch et al. (2011b), Turner et al. (2016a), Murgas et al. (2017)
WASP-49b	2457377.596931 ± 0.000077 2.78173691 ± 0.00000015	Lendl et al. (2012), Lendl et al. (2016)
WASP-4b	2456139.073561 ± 0.000025 1.338231388 ± 0.000000022	Wilson et al. (2008), Gillon et al. (2009b), Southworth et al. (2009), Dragomir et al. (2011), Sanchis-Ojeda et al. (2011), Hoyer et al. (2013), Huitson et al. (2017), Southworth et al. (2019)
WASP-50b	2458567.500623 ± 0.000085 1.95509290 ± 0.00000017	Gillon et al. (2011)

WASP-52b	2456784.057988 ± 0.000065 1.74978119 ± 0.00000016	Hébrard et al. (2013), Kirk et al. (2016), Chen et al. (2017), Mancini et al. (2017), Louden et al. (2017), Bruno et al. (2018b), Öztürk & Erdem (2019), Zellem et al. (2020), Wang et al. (2021)
WASP-53b	2457267.50477 ± 0.00012 3.30984275 ± 0.00000027	Triaud et al. (2017)
WASP-54b	2459134.38454 ± 0.00016 3.69359920 ± 0.00000071	Faedi et al. (2013)
WASP-55b	2457265.185381 ± 0.000074 4.46562994 ± 0.00000041	Southworth et al. (2016)
WASP-56b	2456229.44235 ± 0.00024 4.61705988 ± 0.00000094	Faedi et al. (2013), Wang et al. (2021)
WASP-57b	2456410.57495 ± 0.00011 2.83891801 ± 0.00000053	Faedi et al. (2013), Southworth et al. (2015a)
WASP-58b	2458986.98152 ± 0.00016 5.0172133 ± 0.0000011	Hébrard et al. (2013)
WASP-5b	2456228.778751 ± 0.000071 1.628429961 ± 0.000000066	Anderson et al. (2008), Dragomir et al. (2011), Fukui et al. (2011), Hoyer et al. (2012), Moyano et al. (2017)
WASP-60b	2458020.07385 ± 0.00034 4.3050061 ± 0.0000015	Hébrard et al. (2013), Wang et al. (2021)
WASP-61b	2457128.11890 ± 0.00020 3.85589657 ± 0.00000048	Hellier et al. (2012), Brown et al. (2017)
WASP-62b	2458851.099331 ± 0.000027 4.41193865 ± 0.00000025	Hellier et al. (2012), Brown et al. (2017), Skaf et al. (2020)
WASP-63b	2458574.77101 ± 0.00016 4.37808203 ± 0.00000069	Hellier et al. (2012)
WASP-64b	2457144.879202 ± 0.000078 1.573290283 ± 0.000000082	Gillon et al. (2013), Kozłowski et al. (2017)
WASP-65b	2458500.69695 ± 0.00010 2.31142050 ± 0.00000017	Gómez Maqueo Chew et al. (2013), Wang et al. (2021)
WASP-66b	2457477.71071 ± 0.00028 4.08605202 ± 0.00000071	Hellier et al. (2012)
WASP-67b	2456650.35461 ± 0.00013 4.61441652 ± 0.00000068	Hellier et al. (2012), Mancini et al. (2014b), Bruno et al. (2018a)
WASP-68b	2456802.08919 ± 0.00029 5.0843144 ± 0.0000011	Delrez et al. (2014)
WASP-69b	2457269.01323 ± 0.00026 3.86813892 ± 0.00000091	Anderson et al. (2014a), Tsiaras et al. (2018), Murgas et al. (2020)
WASP-6b	2455883.696962 ± 0.000069 3.36100216 ± 0.00000015	Gillon et al. (2009a), Dragomir et al. (2011), Kammer et al. (2015), Nikolov et al. (2015), Tregloan-Reed et al. (2015)
WASP-70Ab	2456319.44790 ± 0.00030 3.71301696 ± 0.00000090	Anderson et al. (2014a)
WASP-71b	2458764.48798 ± 0.00021 2.90368299 ± 0.00000051	Smith et al. (2013)
WASP-72b	2458804.58019 ± 0.00017 2.21674324 ± 0.00000078	Gillon et al. (2013)
WASP-73b	2458462.55487 ± 0.00021 4.0873000 ± 0.0000011	Delrez et al. (2014)
WASP-74b	2457094.774960 ± 0.000091 2.13775355 ± 0.00000049	Hellier et al. (2015), Mancini et al. (2019)
WASP-75b	2457129.187395 ± 0.000068 2.48419762 ± 0.00000028	Gómez Maqueo Chew et al. (2013)
WASP-76b	2459304.104986 ± 0.000058 1.80988045 ± 0.00000025	West et al. (2016), Ehrenreich et al. (2020)

WASP-77Ab	2458693.870687 ± 0.000039 1.360028956 ± 0.000000075	Maxted et al. (2013a), Turner et al. (2016a), Cortés-Zuleta et al. (2020)
WASP-78b	2457966.18626 ± 0.00017 2.17518499 ± 0.00000027	Smalley et al. (2012), Brown et al. (2017)
WASP-79b	2458588.686706 ± 0.000058 3.66239164 ± 0.00000041	Smalley et al. (2012), Skaf et al. (2020)
WASP-7b	2458885.16439 ± 0.00012 4.95464966 ± 0.00000079	Hellier et al. (2009b)
WASP-80b	2456726.717485 ± 0.000042 3.06785252 ± 0.00000019	Triaud et al. (2013), Mancini et al. (2014c), Fukui et al. (2014), Kirk et al. (2018), Wang et al. (2021)
WASP-81b	2457705.94055 ± 0.00023 2.71648416 ± 0.00000039	Triaud et al. (2017)
WASP-82b	2458217.09215 ± 0.00014 2.70578400 ± 0.00000057	West et al. (2016)
WASP-83b	2458046.65667 ± 0.00018 4.97129248 ± 0.00000066	Hellier et al. (2015)
WASP-84b	2456763.422402 ± 0.000096 8.52349664 ± 0.00000084	Anderson et al. (2014a), Anderson et al. (2015b)
WASP-85Ab	2456929.798776 ± 0.000016 2.655674404 ± 0.000000087	Brown et al. (2014), Stefansson et al. (2017)
WASP-87b	2458347.53824 ± 0.00014 1.68279421 ± 0.00000020	Anderson et al. (2014b)
WASP-88b	2458248.26524 ± 0.00022 4.9540031 ± 0.0000014	Delrez et al. (2014), Spyratos et al. (2021)
WASP-89b	2456908.51323 ± 0.00011 3.35641795 ± 0.00000030	Hellier et al. (2015)
WASP-8b	2458456.825302 ± 0.000092 8.15872674 ± 0.00000074	Queloz et al. (2010)
WASP-90b	2457292.95576 ± 0.00026 3.91626374 ± 0.00000073	West et al. (2016)
WASP-91b	2458514.194232 ± 0.000079 2.79857895 ± 0.00000024	Anderson et al. (2017)
WASP-92b	2458201.48563 ± 0.00019 2.17467325 ± 0.00000036	Hay et al. (2016)
WASP-93b	2458251.93218 ± 0.00022 2.73253772 ± 0.00000049	Hay et al. (2016)
WASP-94Ab	2458300.64762 ± 0.00014 3.95020009 ± 0.00000062	Neveu-VanMalle et al. (2014)
WASP-95b	2458553.711167 ± 0.000089 2.18466640 ± 0.00000031	Hellier et al. (2014)
WASP-96b	2457905.61129 ± 0.00011 3.42525669 ± 0.00000040	Hellier et al. (2014), Nikolov et al. (2018), Yip et al. (2021)
WASP-97b	2458554.475359 ± 0.000075 2.07275965 ± 0.00000020	Hellier et al. (2014)
WASP-98b	2457213.296469 ± 0.000069 2.96264192 ± 0.00000022	Hellier et al. (2014), Mancini et al. (2016a), Kozłowski et al. (2017)
WASP-99b	2458807.89863 ± 0.00019 5.7525873 ± 0.0000026	Hellier et al. (2014)
XO-1b	2455795.436224 ± 0.000079 3.94150466 ± 0.00000020	McCullough et al. (2006), Holman et al. (2006), Cáceres et al. (2009), Burke et al. (2010), Deming et al. (2013), Southworth et al. (2018)
XO-2Nb	2457451.58087 ± 0.00012 2.61585982 ± 0.00000017	Burke et al. (2007), Wang et al. (2021)

XO-3b	2457417.98677 ± 0.00013 3.19152447 ± 0.00000020	Hébrard et al. (2008), Winn et al. (2008b), Winn et al. (2009c), Turner et al. (2017)
XO-4b	2456878.47301 ± 0.00022 4.12506677 ± 0.00000048	McCullough et al. (2008), Narita et al. (2010), Todorov et al. (2012), Villanueva et al. (2016)
XO-5b	2456399.47297 ± 0.00025 4.18775628 ± 0.00000049	Burke et al. (2008), Pál et al. (2009), Wang et al. (2021)
XO-6b	2458994.53905 ± 0.00010 3.76499233 ± 0.00000098	Crouzet et al. (2017)
XO-7b	2459111.81975 ± 0.00010 2.86413566 ± 0.00000098	Crouzet et al. (2020)
piMenc	2458833.19814 ± 0.00027 6.2678296 ± 0.0000051	

B. TRANSIT S/N CALCULATION

For a light curve with a standard deviation of std, total observing time of T, individual points with exposure time of t_e, and overheads of t_o, the uncertainty of the relative flux (σ_F) that can be achieved is:

$$\sigma_F = \frac{std}{\sqrt{T/(t_e + t_o)}} \tag{B1}$$

In the case of a transit (assuming it is square), the transit depth (d) is the difference between the out-of-transit relative flux (F_{oot}) and the in-transit relative flux (F_{int}). Hence the uncertainty on the transit depth (σ_d) is:

$$\sigma_d = \sqrt{\sigma^2_{F_{oot}} + \sigma^2_{F_{int}}} = \sqrt{std^2\frac{(t_e+t_o)}{T_{oot}} + std^2\frac{(t_e+t_o)}{T_{int}}} = std\sqrt{(t_e+t_o)\left(\frac{1}{T_{oot}} + \frac{1}{T_{int}}\right)} = std\sqrt{\frac{(t_e+t_o)(T_{oot}+T_{int})}{T_{oot}T_{int}}} \tag{B2}$$

Hence the square-transit S/N is:

$$S/N_{square-transit} = \frac{d}{\sigma_d} = \frac{d}{std}\sqrt{\frac{T_{oot}T_{int}}{(t_e+t_o)(T_{oot}+T_{int})}} \tag{B3}$$

Finally, due to the fact that in reality the transits are not squares and we are also fitting the light curves for extra parameters, there is an additional x-factor to estimate the final transit S/N.

$$S/N_{transit} = xS/N_{square-transit} = x\frac{d}{std}\sqrt{\frac{T_{oot}T_{int}}{(t_e+t_o)(T_{oot}+T_{int})}} \tag{B4}$$

From simulations, which we verified with current ExoClock and TESS observations, the x-factor is equal to 0.85 for linear or airmass de-trending, and 0.65 for quadratic de-trending. We need to note that for the linear and airmass de-trending the x-factor is stable regardless of the length of the out-of-transit observations. However, for the quadratic de-trending, to maintain the x-factor of 0.65 we need to observer one transit duration before and one after the transit. Otherwise the x-factor becomes lower, for example, an observation of a three-hours-long transit with one hour of observations before and after, has an x-factor of 0.5 instead of 0.65.

C. TRANSIT S/N PREDICTIONS FOR EXOCLOCK

To predict the transit S/N we need to have a prediction for all the values included in Equation B4. The most uncertain one is std, which we predicted from the performance of the current telescopes. Figure 7 (left) shows the std of the current observations made using an R Cousins filter, normalised to one second exposure and to a telescope size of one inch, as a function of the R_C magnitude. We have modelled this behaviour as follows:

$$std^{ExoClock}_{norm} = 0.135 + 10^{-2.99+0.2R} \tag{C5}$$

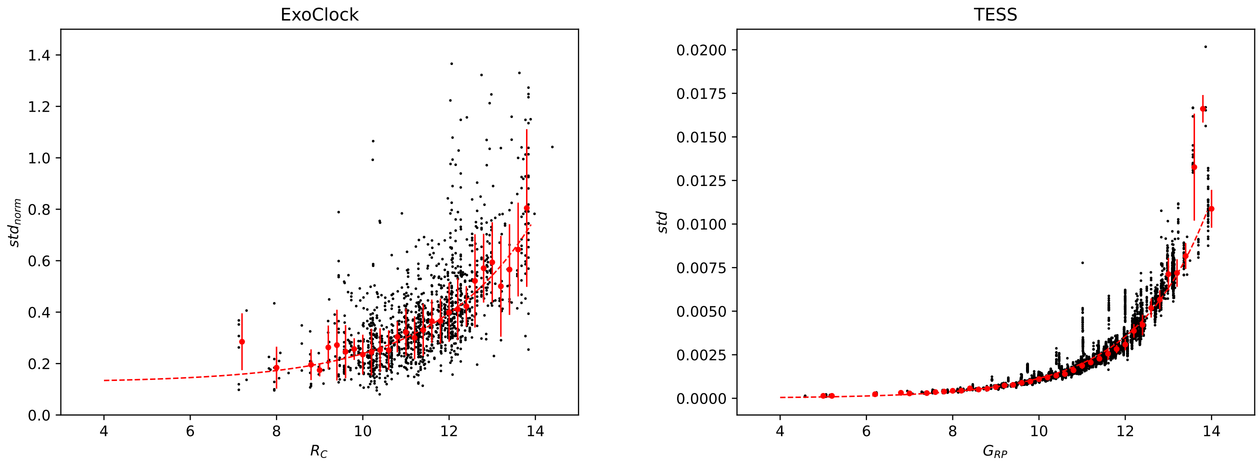

Figure 7. Standard deviation of the light-curves as a function of magnitude, for the ExoClock (left, normalised for an one-inch telescope and one-second exposure) and the TESS (right) light-curves, together with the models derived. The red errorbars indicate the median and standard deviation of the data in bins of 0.2 magnitudes.

Hence, the predicted *std* for a light curve obtained by a telescope of diameter D and exposure time of t_e will be:

$$std^{ExoClock} = \frac{std^{ExoClock}_{norm}}{\sqrt{\pi(D/2)^2 t_e}} = \frac{0.135 + 10^{-2.99+0.2R}}{\sqrt{\pi(D/2)^2 t_e}} \tag{C6}$$

and the predicted transit S/N will be:

$$S/N^{ExoClock}_{transit} = x\frac{d\sqrt{\pi(D/2)^2 t_e}}{0.135 + 10^{-2.99+0.2R}}\sqrt{\frac{T_{oot}T_{int}}{(t_e + t_o)(T_{oot} + T_{int})}} \tag{C7}$$

The ExoClock scheduler calculates the minimum telescope size necessary to observe a transit based on the following assumptions:

1. the targeted $S/N_{transit}$ is 6
2. the de-trending model is expected to be the airmass model, hence $x = 0.85$
3. the observation includes one hour before and one hour after the transit, hence $T_{oot} = 7200$ seconds
4. the observation includes the full transit, hence $T_{int} = t_{14}$ in seconds
5. the overheads and the exposure time are equal, hencee $t_e = t_o$

Hence, the minimum telescope size is:

$$6 = 0.85\frac{d\sqrt{\pi(D_{min}/2)^2 t_e}}{0.135 + 10^{-2.99+0.2R}}\sqrt{\frac{7200 t_{14}}{(t_e + t_e)(7200 + t_{14})}}$$

$$D_{min} = \frac{0.135 + 10^{-2.99+0.2R}}{5.1d}\sqrt{\frac{7200 + t_{14}}{900\pi t_{14}}} \tag{C8}$$

D. TRANSIT S/N PREDICTIONS FOR TESS

As far as the TESS observations, the calculation is less complicated, as many of the parameters are fixed. The *std* can be predicted from the performance of the telescope. Figure 7 (right) shows the *std* of the current observation, as a function of the G_{RP} magnitude. For TESS, there is no need to normalise to the telescope size and exposure time, as these are fixed. We have modelled this behaviour as follows:

$$std^{TESS} = (0.135 + 10^{-2.43+0.2G_{RP}+0.0039G_{RP}^2}) \times 10^{-3} \tag{D9}$$

Moreover, for TESS the de-trending model is the quadratic (x=0.65), the exposure time is two minutes ($t_e = 120$) overheads are negligible ($t_o = 0$), the observations are continuous, so we can select the out-of-transit observations to be equal to one transit duration before and one transit duration after the transit($T_{oot} = 2t_{14}$ in seconds) and the in transit observing time equal to a full transit duration ($T_{int} = t_{14} inseconds$). Hence, the predicted transit S/N will be:

$$S/N_{transit}^{TESS} = \frac{0.65d\sqrt{t_{14}/90}}{0.135 + 10^{-2.43+0.2G_{RP}+0.0039G_{RP}^2}} \times 10^3 \tag{D10}$$