



Q1–Q12 Kepler Object of Interest Table (q1_q12_koi) Delivery Log

Date	Comment
2013-05-28	Activity table opened. The first delivery contains the previously known KOIs (1 – 3149) that match Q1-Q12 TCEs, some newly identified KOIs associated with these existing systems (i.e., multiple-planet systems), and a host of new KOIs (3150 – 4914). The fit parameters are those computed by the Kepler pipeline and reported in the Q1-Q12 DV reports, which have now been federated with the KOIs in this activity table. Note that none of these KOIs have yet been dispositioned. In other words, this is not a list of planetary candidates, but a list of undispositioned KOIs. Stay tuned for future deliveries.
2013-06-06	Updated activity table with new dispositions for 503 KOIs. These KOIs are new in the Q1–Q12 activity and show no evidence of being false positives, so their dispositions have been changed to CANDIDATE.
2013-06-27	Updated activity table with new dispositions for 64 KOIs. We changed the dispositions for 63 candidates from NOT DISPOSITIONED to CANDIDATE because they show no evidence of being false positives. We also changed the disposition of K04665.01 from CANDIDATE to FALSE POSITIVE because further analysis of the individual transits indicate that the event is instrumental in nature.
2013-07-31	Updated activity table with new dispositions for 1236 KOIs. We changed the disposition for 274 KOIs from NOT DISPOSITIONED to CANDIDATE because they show no evidence of being false positives. We also changed the disposition of 962 KOIs from NOT DISPOSITIONED to FALSE POSITIVE.
2013-08-29	Added 189 KOIs to the Q1–Q12 table. These objects were recently added to the Q1–Q8 table and also had a matching TCE in the Q1–Q12 table. The majority of these objects have not been reanalyzed using the Q1–Q12 data, so they have not been given dispositions here.
2013-09-05	Updated activity table with new or confirmed FALSE POSITIVE dispositions for 586 KOIs. These objects were identified by cross-matching the ephemerides of all KOIs in the current cumulative activity table and all known eclipsing binaries (i.e., the Kepler Eclipsing Binary Catalog v3.0 (http://astro9.ast.villanova.edu/) and a number of published ground-based surveys). Detailed analysis then determined which of these KOIs suffered from flux contamination by another source. The most frequent type of contamination was direct PRF (see Kepler Instrument Handbook, p. 35) contamination, while others suffered from video crosstalk (see KIH, p. 71) or scattered light (see KIH, p. 41) contamination. Note that some of these KOIs were previously NOT DISPOSITIONED and some were dispositioned as CANDIDATE, but many were already dispositioned as FALSE POSITIVE using other metrics.



Date	Comment
2013-09-12	Updated the dispositions of 63 objects in the Q1-Q12 activity table. Of these, 16 have a disposition of CANDIDATE and 47 have a disposition of FALSE POSITIVE.
2014-10-30	Updated the dispositions of 44 KOIs and added false positive flags for all KOIs identified as FALSE POSITIVE. This delivery is the first to include flags that denote reasons why a KOI was given a disposition of FALSE POSITIVE. The four flags populated with this delivery are: Centroid Offset (koi_fpflag_co), Significant Secondary (koi_fpflag_ss), Ephemeris Match Indicates Contamination (koi_fpflag_ec) and Not Transit Like (koi_fpflag_nt).
2014-11-20	Updated all KOIs with the most current planetary fits and error bars drawn from an MCMC posterior distribution. Based on this distribution, asymmetric error bars are reported for the impact parameter, the star-to-planet radius ratio, and the planetary radius. This delivery also includes 718 KOIs identified in past transit searches. They are added to the Q1-Q12 table so that the updated fits can be made available. Of these new KOIs only 4 are dispositioned as CANDIDATE, the rest are either NOT DISPOSITIONED or FALSE POSITIVES. For 283 KOIs, a planetary fit was not possible because of the low quality of the KOI. For these objects, we report only the period, epoch and transit duration.
2014-12-04	This table is considered DONE; no further work will be done on this activity.