



Q1–Q16 Kepler Object of Interest Table (q1_q16_koi) Delivery Log

Date	Comment
2013-12-18	Activity table opened. This first delivery adds previously known KOIs (1–4914) that correspond to the Q1–Q16 TCEs and new single-planet KOIs (4915–5981) found in this run. The new multiple-planet KOIs will arrive in subsequent deliveries. All reported transit parameters were calculated by the Kepler pipeline, so the values are identical to those reported in the Q1–Q16 TCE table and DV reports. All stellar parameters match those in the Q1–Q16 stellar table. None of the KOIs in this activity table have been dispositioned at this time. Stay tuned for future deliveries.
2014-01-16	Added 412 KOIs to the Q1–Q16 table. Of these, 104 are associated with stars that have previously known KOIs (1–4914). Another 111 of these new KOIs (5982–6092) are associated with stars that have no previously known KOIs, but have exactly two Q1–Q16 TCEs detected with nearly identical periods. A KOI number was given to only the first TCE in these systems, as they are most likely eclipsing binaries with the second TCE corresponding to the secondary eclipse. Finally, the remaining 197 new KOIs (6093–6251) are associated with stars that have no previously designated KOIs, but have multiple Q1–Q16 TCEs (not all of which became KOIs). All stellar parameters match those in the Q1–Q16 stellar table. New KOIs belonging to the range 5982–6092 (suspected of being eclipsing binaries) have been given a tentative disposition of FALSE POSITIVE, which may change based on a subsequent, more thorough review. The remaining new KOIs have not been dispositioned at this time.
2014-02-13	Updated the dispositions for 534 KOIs that were previously NOT DISPOSITIONED. Of these, 239 were given the disposition of CANDIDATE and 295 were given the disposition of FALSE POSITIVE. These dispositions are based on the vetting of individual objects, so some of the planet candidates may become false positives when the ephemeris matching is completed. All of these KOIs are new single-planet KOIs found in the Q1–Q16 run within the range 4915–5981.
2014-06-10	Added 19 KOIs and their dispositions to the Q1–Q16 table. All 19 KOIs belong to multiple-planet systems around stars previously known to have KOIs (1–4914).
2014-06-10	Updated the dispositions of 2422 KOIs. With this delivery, all KOIs that were new in the Q1–Q16 run now have dispositions. This delivery also includes the disposition of all previously known KOIs with periods > 50 days using the Q1–Q16 data products.



Date	Comment
2014-06-25	Updated the dispositions of 625 KOIs. These KOIs were each identified as FALSE POSITIVE because their Q1–Q16 TCE ephemerides matched at least one other TCE, KOI, or eclipsing binary, and the reason for the match was determined to be contamination. Only 17 of these KOIs were previously marked as CANDIDATE.
2014-10-23	Updated the dispositions of 133 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 (<code>koi_fpflag_co</code>), Significant Secondary (<code>koi_fpflag_ss</code>), Ephemeris Match Indicates Contamination (<code>koi_fpflag_ec</code>) and Not Transit Like (<code>koi_fpflag_nt</code>).
2014-12-02	Updated all KOIs with the most current planetary fits and error bars drawn from an MCMC posterior distribution. Based on this distribution, assymmetric error bars are reported for the impact parameter, the star-to-planet radius ratio, and the planetary radius. This delivery also includes 997 KOIs identified in past transit searches. They are added to the Q1-Q16 table so that the updated fits can be made available. For some 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.
2014-12-16	Updated the disposition of 8 KOIs to FALSE POSITIVE. This was done after closer inspection of the habitable zone candidates.
2014-12-18	This table is considered DONE; no further work will be done on this activity.