

[HOME](#)[ABOUT](#)[CONTACT](#)**OBSERVERS****PUBLIC**

- [Processing \(Info\)](#)

## MPEC 2013-T93 : DAILY ORBIT UPDATE (2013 OCT. 12 UT)

The following *Minor Planet Electronic Circular* may be linked-to from your own Web pages, but must not otherwise be redistributed electronically.

A form allowing access to any MPEC is at the bottom of this page.

◀ [Read MPEC 2013-T92](#) ▶ [Read MPEC 2013-T94](#)

M.P.E.C. 2013-T93

Issued 2013 Oct. 12, 06:07 UT

The Minor Planet Electronic Circulars contain information on unusual minor planets and routine data on comets. They are published on behalf of Commission 20 of the International Astronomical Union by the Minor Planet Center, Smithsonian Astrophysical Observatory, Cambridge, MA 02138, U.S.A.

Prepared using the [Tamkin Foundation Computer Network](#)

MPC@CFA.HARVARD.EDU

URL <http://www.minorplanetcenter.net/> ISSN 1523-6714

DAILY ORBIT UPDATE (2013 OCT. 12 UT)

Update to [MPEC 2013-T88](#)

Full-precision elements for the objects listed here are available at <http://www.minorplanetcenter.org/iau/MPCORB.html>

New identification:

|         |         |         |         |
|---------|---------|---------|---------|
| K05YN7M | K13T77E |         | Bouma   |
| K05YN7M | K01QX5F |         | MPCW    |
| K12S21Q | K13S58D |         | Bouma   |
| K12S21Q | J95F09E |         | MPCW    |
| K13H23O | K06HA4W | K09BI6Q | MPCW    |
| K13P68Z | K10E16Q |         | MPCW    |
| K13P72S | K10AD0G |         | MPCW    |
| K13Q11Q | K03Uf2U | K12B97C | MPCW    |
| K13Q18S | K10G46G |         | MPCW    |
| K13Q20T | K00S03U |         | MPCW    |
| K13Q21Q | K12H49D |         | MPCW    |
| K13Q21T | K11G45X |         | MPCW    |
| K13Q26D | K07C05G | K10X66X | MPCW    |
| K13Q26T | K03UA2A | K10W59S | MPCW    |
| K13Q29H | K05YN9Y |         | MPCW    |
| K13Q70Z | K06P35J |         | MPCW    |
| K13Q76F | K09Q03E |         | MPCW    |
| K13Q82E | K06D47N |         | MPCW    |
| K13Q94X | K11H47O |         | MPCW    |
| K13R02E | K02R91Z |         | MPCW    |
| K13R03H | K03WC8O |         | MPCW    |
| K13R04P | K00SI8X |         | MPCW    |
| K13R07U | K09SF5D |         | MPCW    |
| K13R14G | K09SQ3Q |         | MPCW    |
| K13R18Q | K12J36P |         | MPCW    |
| K13R19L | K02RI8Z | K10H91W | MPCW    |
| K13R25Z | K03SZ0X | K04Y15T | K12D07W |
| K13R32K | K02GI2Q | K07G72H | MPCW    |
| K13R35G | K06Q92B |         | MPCW    |
| K13R37E | K02RG2U |         | MPCW    |
| K13R37P | K05TD4Q |         | MPCW    |
| K13R38B | K02W29J | K08K20P | MPCW    |
| K13R39D | K04TQ2X |         | MPCW    |
| K13R44Q | K07H51B |         | MPCW    |
| K13R45M | K10A49L |         | MPCW    |
| K13R46G | K10C38J |         | MPCW    |
| K13R46W | K07EELF |         | MPCW    |
| K13R46X | K09K29Y |         | MPCW    |
| K13R48A | K04TN5Q |         | MPCW    |

|         |         |         |                 |       |
|---------|---------|---------|-----------------|-------|
| K13R48D | K10H64N |         |                 | MPCW  |
| K13R49T | K02QB9J |         |                 | MPCW  |
| K13R53A | K02RK2E | K11B33F |                 | MPCW  |
| K13R57A | K02RL8F |         |                 | MPCW  |
| K13R65S | K03SV3Z | K06Q89M |                 | MPCW  |
| K13R68G | K02U77J | K08UO8O |                 | MPCW  |
| K13R68N | K04V89H | K06E04U | K10A56T         | MPCW  |
| K13R69M | K03YA8Y |         |                 | MPCW  |
| K13R74V | K08W71S | K10C43Y |                 | MPCW  |
| K13R74X | K05N69H | K08CD1A | K12F22T         | MPCW  |
| K13R81P | K03A93C |         |                 | MPCW  |
| K13R85M | K06U34R |         |                 | MPCW  |
| K13R88K | K02RQ4H | K08U65U | K10C26Q         | MPCW  |
| K13R88O | K10J26L |         |                 | MPCW  |
| K13R90C | K09SG3U | K12L23Z |                 | MPCW  |
| K13R93K | K05J07X | K07TM3F |                 | MPCW  |
| K13R94G | K00SN5P |         |                 | MPCW  |
| K13S14D | K04S06D | K10EG6E |                 | MPCW  |
| K13S15A | K09W01N |         |                 | MPCW  |
| K13S15O | K04X52O | K11H20L |                 | MPCW  |
| K13S18S | K07M02V | K08TJ1G | K11F55A K12K30U | MPCW  |
| K13S21H | K11BG2E | K12G27N |                 | MPCW  |
| K13S22A | K04RT8H |         |                 | MPCW  |
| K13S22N | K02S16G |         |                 | MPCW  |
| K13S22Q | J96T43O | K05YR8B | K07EF5E         | MPCW  |
| K13S22T | K10D71X |         |                 | MPCW  |
| K13S25T | K00WE8H |         |                 | MPCW  |
| K13S26J | K12J46T |         |                 | MPCW  |
| K13S26K | K10K13O | K11K05X |                 | MPCW  |
| K13S27K | K01TI5X | K05S99L | K09R58X         | MPCW  |
| K13S32X | K08TE1O |         |                 | MPCW  |
| K13S33D | K05V99Q | K09T18E |                 | MPCW  |
| K13S34V | K09S81T |         |                 | MPCW  |
| K13S35K | K06Sf0E |         |                 | MPCW  |
| K13S36L | K11C11P |         |                 | MPCW  |
| K13S36R | K04RT6K |         |                 | MPCW  |
| K13S37L | K00CD1G |         |                 | MPCW  |
| K13S40H | K12F34S |         |                 | MPCW  |
| K13S42W | K09VA5Z |         |                 | MPCW  |
| K13S43H | K11F16Z |         |                 | MPCW  |
| K13S44W | K09SG7R | K12M03W |                 | MPCW  |
| K13S45M | K11FD7G |         |                 | MPCW  |
| K13S48K | K11G45Z |         |                 | MPCW  |
| K13S50P | K07R22Q |         |                 | MPCW  |
| K13S50U | K02TA7M |         |                 | MPCW  |
| K13S51E | K07G57H | K11FD7F | K12L16G         | MPCW  |
| K13S51L | K08V22K |         |                 | MPCW  |
| K13S51U | K10VB0B |         |                 | MPCW  |
| K13S52F | K12F35Y |         |                 | MPCW  |
| K13S52H | J99B27Q |         |                 | MPCW  |
| K13S53J | K11G26C |         |                 | MPCW  |
| K13S54W | K07W43P |         |                 | MPCW  |
| K13T00S | K10F67X |         |                 | MPCW  |
| K13T01Y | K10KC0Q |         |                 | MPCW  |
| K13T06R | K11B01L |         |                 | MPCW  |
| K13T06Z | K06T68B |         |                 | MPCW  |
| K13T08P | K09V32P |         |                 | MPCW  |
| K13T08Q | K05J92H |         |                 | MPCW  |
| K13T08T | K00S55K |         |                 | MPCW  |
| K13T10E | K02T96C |         |                 | MPCW  |
| K13T11L | K09SW5R |         |                 | MPCW  |
| K13T13E | K09Q19P |         |                 | MPCW  |
| K13T13S | K06V55C |         |                 | MPCW  |
| K13T17Q | K08UH1G |         |                 | MPCW  |
| K13T18N | K04TJ4C |         |                 | MPCW  |
| K13T18V | K12L18E |         |                 | MPCW  |
| K13T23S | K00Y04X | K07F10K |                 | MPCW  |
| K13T23V | K11FC5J |         |                 | MPCW  |
| K13T24G | K00S11M |         |                 | MPCW  |
| K13T24T | K08X38D |         |                 | MPCW  |
| K13T25B | K08G18L |         |                 | MPCW  |
| K13T26L | K06UK6O |         |                 | MPCW  |
| K13T26U | K04TJ0O |         |                 | MPCW  |
| K13T28G | K09Y11H |         |                 | MPCW  |
| K13T30D | J99T56Q | K10G51L |                 | MPCW  |
| K13T30R | K09WK0B |         |                 | MPCW  |
| K13T32G | K09V10Q |         |                 | MPCW  |
| K13T36E | K00SK4W |         |                 | MPCW  |
| K13T37A | K04V92R |         |                 | MPCW  |
| K13T37O | K11G24Y |         |                 | MPCW  |
| K13T37Q | J96T38D |         |                 | MPCW  |
| K13T39U | K04V11D | K08S14V |                 | MPCW  |
| K13T50R | K08X00Z |         |                 | MPCW  |
| K13T50Y | K00T01Z |         |                 | MPCW  |
| K13T51H | K06J43D | K10VL6F |                 | MPCW  |
| K13T53O | K10VJ9L |         |                 | MPCW  |
| K13T59X | K08SL1X |         |                 | MPCW  |
| K13T67W | K08K11T | K12G27O |                 | MPCW  |
| K13T74R | K10G14Z |         |                 | Bouma |

## New double designation:

|         |         |      |
|---------|---------|------|
| K08TJ1G | K08V42L | MPCW |
| K09S81T | K09UF7V | MPCW |
| K13P72S | K13Q34Y | MPCW |
| K13R19L | K13Q95E | MPCW |
| K13S40H | K13T42V | MPCW |

## New multiple-opposition orbits:

| Object  | H    | G    | Epoch | M       | Peri.   | Node    | Incl.  | e       | a       | Opp | C |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|-----|---|
| J93T06F | 16.0 | 0.15 | K13B4 | 34.034  | 122.460 | 218.387 | 10.855 | 0.15643 | 2.93058 | 6   | X |
| J94S10H | 16.5 | 0.15 | K13B4 | 342.906 | 22.239  | 21.862  | 5.427  | 0.02158 | 2.81348 | 5   | X |
| J95V15O | 16.5 | 0.15 | K13B4 | 336.795 | 182.043 | 235.792 | 7.747  | 0.13640 | 2.74900 | 6   | X |
| J98T29X | 17.4 | 0.15 | K13B4 | 2.916   | 85.239  | 303.172 | 4.128  | 0.24394 | 2.41334 | 6   | X |
| J99C74D | 16.4 | 0.15 | K13B4 | 173.015 | 43.662  | 160.494 | 6.243  | 0.11418 | 2.55162 | 7   | X |
| J99JA2Y | 16.6 | 0.15 | K13B4 | 91.911  | 178.237 | 83.915  | 7.709  | 0.28403 | 2.67500 | 5   | X |
| J99RJ9W | 16.0 | 0.15 | K13B4 | 0.837   | 154.511 | 234.752 | 11.347 | 0.30354 | 2.77915 | 2   | X |
| J99S10K | 19.6 | 0.15 | K13B4 | 327.499 | 269.192 | 197.821 | 6.961  | 0.44134 | 1.76340 | 3   | X |
| J99T60T | 18.7 | 0.15 | K13B4 | 21.822  | 143.388 | 211.040 | 3.849  | 0.21768 | 2.29626 | 3   | X |
| J99W11A | 16.4 | 0.15 | K13B4 | 21.624  | 312.012 | 49.191  | 7.826  | 0.21339 | 2.80473 | 6   | X |
| J99X16S | 15.2 | 0.15 | K13B4 | 235.402 | 99.089  | 77.406  | 10.082 | 0.53666 | 2.93799 | 6   | X |
| K00AL2O | 17.5 | 0.15 | K13B4 | 348.659 | 150.112 | 255.531 | 5.877  | 0.17651 | 2.32263 | 4   | X |
| K00J01F | 19.2 | 0.15 | K13B4 | 45.218  | 220.188 | 55.018  | 11.410 | 0.45325 | 2.18401 | 3   | X |
| K00J87E | 16.1 | 0.15 | K13B4 | 39.127  | 238.762 | 101.834 | 3.209  | 0.15304 | 3.12314 | 6   | X |
| K00QH7K | 16.1 | 0.15 | K13B4 | 23.338  | 25.386  | 328.684 | 9.259  | 0.20236 | 2.63181 | 4   | X |
| K00R40P | 17.6 | 0.15 | K13B4 | 39.788  | 38.388  | 287.009 | 6.140  | 0.25397 | 2.19017 | 6   | X |
| K00S42H | 16.6 | 0.15 | K13B4 | 358.245 | 29.176  | 0.466   | 12.340 | 0.17343 | 2.65158 | 3   | X |
| K00S51F | 16.6 | 0.15 | K13B4 | 25.857  | 149.603 | 207.594 | 12.031 | 0.17108 | 2.62594 | 5   | X |
| K00SO3Z | 17.0 | 0.15 | K13B4 | 18.991  | 346.965 | 8.498   | 13.334 | 0.29473 | 2.64411 | 2   | X |
| K00SU4B | 16.8 | 0.15 | K13B4 | 9.606   | 149.253 | 222.392 | 13.422 | 0.32177 | 2.65374 | 2   | X |
| K00W19R | 17.2 | 0.15 | K13B4 | 332.067 | 201.619 | 259.230 | 8.813  | 0.47004 | 2.68059 | 3   | X |
| K00W85S | 16.0 | 0.15 | K13B4 | 293.641 | 197.018 | 260.305 | 13.030 | 0.14587 | 2.72807 | 6   | X |
| K00X49D | 16.3 | 0.15 | K13B4 | 319.850 | 50.555  | 49.674  | 13.419 | 0.26211 | 2.70387 | 6   | X |
| K01A43V | 24.6 | 0.15 | K13B4 | 339.398 | 42.196  | 31.555  | 0.277  | 0.23920 | 1.27876 | 2   | X |
| K01K44B | 15.8 | 0.15 | K13B4 | 227.167 | 50.307  | 127.297 | 9.777  | 0.29346 | 2.89669 | 7   | X |
| K01N18X | 15.1 | 0.15 | K13B4 | 26.429  | 109.520 | 251.534 | 12.027 | 0.28423 | 3.20397 | 4   | X |
| K01RC9U | 15.6 | 0.15 | K13B4 | 358.966 | 29.236  | 1.309   | 15.806 | 0.08636 | 3.23644 | 4   | X |
| K01S94Q | 15.5 | 0.15 | K13B4 | 171.117 | 237.002 | 338.398 | 11.165 | 0.09813 | 3.21231 | 5   | X |
| K01TG9R | 16.3 | 0.15 | K13B4 | 13.314  | 350.675 | 17.822  | 17.923 | 0.18630 | 2.54531 | 4   | X |
| K01TI3J | 16.9 | 0.15 | K13B4 | 333.371 | 83.512  | 351.425 | 4.241  | 0.25356 | 2.52942 | 4   | X |
| K01TK9L | 16.7 | 0.15 | K13B4 | 5.349   | 72.739  | 308.513 | 6.672  | 0.16121 | 2.52339 | 6   | X |
| K01UH1C | 17.4 | 0.15 | K13B4 | 352.291 | 19.329  | 26.836  | 5.622  | 0.23841 | 2.53448 | 5   | X |
| K01V95P | 16.4 | 0.15 | K13B4 | 348.365 | 212.933 | 202.479 | 14.668 | 0.11162 | 2.53363 | 6   | X |
| K01VB5G | 16.3 | 0.15 | K13B4 | 29.177  | 115.704 | 254.302 | 8.007  | 0.13148 | 2.53768 | 4   | X |
| K01X57G | 16.1 | 0.15 | K13B4 | 327.894 | 174.601 | 253.555 | 7.357  | 0.15637 | 2.56914 | 4   | X |
| K01XK4H | 16.6 | 0.15 | K13B4 | 322.198 | 147.467 | 291.037 | 6.467  | 0.16602 | 2.56845 | 5   | X |
| K01XP9Z | 17.5 | 0.15 | K13B4 | 345.130 | 104.256 | 313.054 | 4.707  | 0.24485 | 2.54659 | 4   | X |
| K01Y07A | 16.7 | 0.15 | K13B4 | 31.513  | 9.125   | 351.112 | 5.479  | 0.21862 | 2.54078 | 6   | X |
| K02A48U | 16.7 | 0.15 | K13B4 | 358.277 | 258.090 | 141.707 | 2.547  | 0.21965 | 2.58317 | 7   | X |
| K02AJ3L | 16.9 | 0.15 | K13B4 | 23.101  | 100.855 | 280.033 | 3.447  | 0.26260 | 2.56342 | 6   | X |
| K02CE9G | 16.2 | 0.15 | K13B4 | 285.078 | 331.368 | 134.272 | 12.132 | 0.08100 | 2.65713 | 6   | X |
| K02CL7A | 17.1 | 0.15 | K13B4 | 332.434 | 314.311 | 132.211 | 5.622  | 0.29434 | 2.58887 | 4   | X |
| K02CN9M | 16.8 | 0.15 | K13B4 | 303.113 | 149.946 | 323.504 | 4.427  | 0.25403 | 2.61665 | 4   | X |
| K02CR1F | 16.6 | 0.15 | K13B4 | 358.375 | 293.183 | 107.268 | 4.279  | 0.19049 | 2.60968 | 7   | X |
| K02D07E | 15.8 | 0.15 | K13B4 | 290.544 | 96.227  | 34.671  | 13.382 | 0.28429 | 2.59725 | 5   | X |
| K02ED1D | 17.9 | 0.15 | K13B4 | 278.298 | 110.814 | 7.919   | 5.694  | 0.06934 | 2.17274 | 4   | X |
| K02G06Q | 16.5 | 0.15 | K13B4 | 311.639 | 92.315  | 31.046  | 28.449 | 0.35937 | 2.61478 | 4   | X |
| K02L34K | 16.8 | 0.15 | K13B4 | 51.969  | 29.527  | 266.676 | 10.636 | 0.27091 | 2.32553 | 5   | X |
| K02L56W | 16.9 | 0.15 | K13B4 | 71.924  | 223.210 | 86.400  | 13.615 | 0.21975 | 2.28174 | 4   | X |
| K02M01T | 21.2 | 0.15 | K13B4 | 33.702  | 82.411  | 205.661 | 4.732  | 0.49723 | 2.37371 | 2   | X |
| K02M03S | 19.1 | 0.15 | K13B4 | 4.519   | 239.459 | 106.217 | 21.852 | 0.61050 | 2.39345 | 2   | X |
| K02P77E | 16.0 | 0.15 | K13B4 | 50.732  | 211.106 | 115.947 | 11.841 | 0.08938 | 2.99327 | 3   | X |
| K02P80U | 18.0 | 0.15 | K13B4 | 27.906  | 283.753 | 58.101  | 2.191  | 0.20336 | 2.35050 | 4   | X |
| K02PD0P | 16.1 | 0.15 | K13B4 | 9.056   | 165.926 | 205.137 | 21.195 | 0.29928 | 3.07659 | 3   | X |
| K02P14A | 17.8 | 0.15 | K13B4 | 25.115  | 196.772 | 154.860 | 6.830  | 0.16431 | 2.33356 | 2   | X |
| K02PJ6T | 15.6 | 0.15 | K13B4 | 87.347  | 198.985 | 76.886  | 8.793  | 0.14080 | 3.04149 | 6   | X |
| K02Q00U | 17.9 | 0.15 | K13B4 | 21.043  | 173.531 | 187.080 | 1.663  | 0.26804 | 2.35252 | 3   | X |
| K02Q32N | 17.6 | 0.15 | K13B4 | 355.419 | 26.160  | 12.117  | 5.106  | 0.25167 | 2.35423 | 2   | X |
| K02Q54W | 18.2 | 0.15 | K13B4 | 40.057  | 354.077 | 341.195 | 18.876 | 0.07114 | 1.94879 | 3   | X |
| K02Q69U | 16.5 | 0.15 | K13B4 | 26.644  | 338.664 | 16.562  | 2.193  | 0.19520 | 3.03051 | 5   | X |
| K02Q75Y | 16.3 | 0.15 | K13B4 | 26.877  | 215.867 | 131.203 | 14.114 | 0.13410 | 3.05123 | 4   | X |
| K02Q81J | 16.2 | 0.15 | K13B4 | 8.623   | 43.960  | 334.477 | 9.256  | 0.11173 | 3.00274 | 6   | X |
| K02Q90G | 17.8 | 0.15 | K13B4 | 36.387  | 223.725 | 117.871 | 7.500  | 0.12760 | 2.34933 | 5   | X |
| K02Q92L | 16.2 | 0.15 | K13B4 | 56.091  | 257.262 | 56.223  | 1.691  | 0.18216 | 3.04094 | 6   | X |
| K02QA1Q | 15.8 | 0.15 | K13B4 | 301.325 | 282.002 | 178.310 | 12.054 | 0.14378 | 2.98915 | 8   | X |
| K02QD5Q | 16.2 | 0.15 | K13B4 | 25.946  | 7.159   | 10.385  | 11.202 | 0.17180 | 2.99885 | 5   | X |
| K02QD7E | 17.8 | 0.15 | K13B4 | 29.023  | 177.675 | 167.528 | 4.713  | 0.23311 | 2.34211 | 3   | X |
| K02QE9A | 16.1 | 0.15 | K13B4 | 26.592  | 312.840 | 34.564  | 7.370  | 0.30054 | 3.04987 | 4   | X |
| K02QF3C | 17.3 | 0.15 | K13B4 | 51.216  | 208.885 | 103.248 | 5.682  | 0.18993 | 2.34196 | 6   | X |
| K02R04J | 16.0 | 0.15 | K13B4 | 31.192  | 96.030  | 246.949 | 10.365 | 0.15911 | 3.04818 | 4   | X |
| K02R11E | 15.9 | 0.15 | K13B4 | 43.140  | 341.339 | 341.491 | 17.450 | 0.19799 | 3.05554 | 4   | X |
| K02R23G | 17.4 | 0.15 | K13B4 | 63.062  | 319.632 | 338.881 | 3.149  | 0.20289 | 2.35434 | 6   | X |
| K02R27U | 16.0 | 0.15 | K13B4 | 66.150  | 136.337 | 157.534 | 12.993 | 0.18297 | 3.06108 | 4   | X |
| K02R45B | 17.6 | 0.15 | K13B4 | 36.630  | 227.899 | 115.204 | 2.932  | 0.22853 | 2.35001 | 5   | X |
| K02R65Z | 16.3 | 0.15 | K13B4 | 8.668   | 188.293 | 194.010 | 9.364  | 0.14738 | 3.04261 | 6   | X |
| K02R68L | 15.9 | 0.15 | K13B4 | 59.656  | 114.361 | 178.160 | 17.620 | 0.26840 | 3.08207 | 4   | X |
| K02R80T | 16.0 | 0.15 | K13B4 | 37.299  | 149.246 | 179.999 | 9.480  | 0.30049 | 3.07682 | 5   | X |
| K02R91Y | 15.5 | 0.15 | K13B4 | 30.381  | 330.240 | 2.027   | 17.290 | 0.25134 | 3.11344 | 4   | X |
| K02RF0Y | 16.5 | 0.15 | K13B4 | 41.655  | 117.633 | 214.291 | 8.568  | 0.13964 | 3.04973 | 8   | X |
| K02RF7F | 16.7 | 0.15 | K13B4 | 20.639  | 103.201 | 251.850 | 2.669  | 0.20259 | 3.08004 | 3   | X |
| K02RH1G | 17.3 | 0.15 | K13B4 | 41.044  | 251.509 | 83.168  | 3.511  | 0.21266 | 2.35075 | 5   | X |
| K02RH5K | 15.7 | 0.15 | K13B4 | 74.196  | 312.808 | 338.033 | 23.266 | 0.23287 | 3.04940 | 4   | X |
| K02RI2N | 16.1 | 0.15 | K13B4 | 358.971 | 149.227 | 225.102 | 17.137 | 0.21986 | 3.10489 | 3   | X |
| K02RI4F | 15.7 | 0.15 | K13B4 | 35.260  | 352.990 | 325.840 | 17.062 | 0.19302 | 3.11262 | 3   | X |
| K02RJ7X | 18.0 | 0.15 | K13B4 | 15.849  | 233.609 | 137.419 | 1.953  | 0.19299 | 2.35617 | 6   | X |
| K02RK0E | 16.8 | 0.15 | K13B4 | 59.610  | 17.950  | 279.556 | 5.777  | 0.13697 | 2.36139 | 7   | X |
| K02RK4S | 16.4 | 0.15 | K13B4 | 6.995   | 203.645 | 167.170 | 5.446  | 0.24646 | 3.07789 | 4   | X |
| K02RL9K | 15.8 | 0.15 | K13B4 | 30.732  | 343.673 | 1.547   | 10.224 | 0.13026 | 3.04303 | 4   | X |
| K02RM4U | 16.1 | 0.15 | K13B4 | 26.642  | 21.166  | 330.760 | 11.730 | 0.11438 | 3.06123 | 5   | X |
| K02RO7M | 16.4 | 0.15 | K13B4 | 37.258  | 180.355 | 152.965 | 5.177  | 0.11878 | 3.04386 | 3   | X |
| K02RO8E | 16.1 | 0.15 | K13B4 | 354.815 | 51.556  | 333.602 | 22.930 | 0.16481 | 3.08462 | 3   | X |
| K02RO9B | 16.5 | 0.15 | K13B4 | 8.142   | 27.785  | 344.412 | 5.121  | 0.13483 | 3.05648 | 5   | X |
| K02RR8G | 16.1 | 0.15 | K13B4 | 5.005   | 114.253 | 262.855 | 2.461  | 0.24554 | 3.06106 | 6   | X |
| K02RS5Y | 16.0 | 0.15 | K13B4 | 51.922  | 207.297 | 92.349  | 12.579 | 0.27824 | 3.07589 | 4   | X |
| K02RT2O | 15.7 | 0.15 | K13B4 | 74.408  | 21.892  | 281.235 | 7.977  | 0.06447 | 3.08195 | 6   | X |

|         |      |      |       |         |         |         |        |         |         |   |   |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|---|---|
| K02S12V | 15.9 | 0.15 | K13B4 | 358.046 | 205.797 | 193.135 | 15.297 | 0.19047 | 3.08559 | 5 | X |
| K02S22Z | 15.4 | 0.15 | K13B4 | 25.000  | 320.608 | 32.762  | 8.203  | 0.26994 | 3.08251 | 6 | X |
| K02S43W | 18.1 | 0.15 | K13B4 | 13.274  | 0.080   | 8.656   | 2.677  | 0.20028 | 2.36747 | 4 | X |
| K02S65N | 16.7 | 0.15 | K13B4 | 347.898 | 44.825  | 8.288   | 11.597 | 0.34056 | 3.06240 | 2 | X |
| K02T25B | 18.0 | 0.15 | K13B4 | 8.471   | 217.783 | 163.946 | 2.514  | 0.18436 | 2.37341 | 5 | X |
| K02T33D | 17.7 | 0.15 | K13B4 | 38.462  | 319.491 | 18.555  | 2.824  | 0.18517 | 2.36383 | 5 | X |
| K02T73H | 15.9 | 0.15 | K13B4 | 19.482  | 124.254 | 235.219 | 7.315  | 0.21265 | 3.11212 | 6 | X |
| K02T88S | 17.4 | 0.15 | K13B4 | 20.217  | 53.204  | 325.655 | 4.698  | 0.18966 | 2.35951 | 5 | X |
| K02TA4E | 15.4 | 0.15 | K13B4 | 70.160  | 326.435 | 336.674 | 7.297  | 0.11016 | 3.09135 | 8 | X |
| K02TC3Z | 16.0 | 0.15 | K13B4 | 358.989 | 193.357 | 201.721 | 21.207 | 0.28988 | 3.07909 | 2 | X |
| K02TC4Y | 15.8 | 0.15 | K13B4 | 6.524   | 40.752  | 317.681 | 10.262 | 0.14924 | 3.12929 | 5 | X |
| K02TD7J | 15.4 | 0.15 | K13B4 | 359.581 | 21.097  | 6.637   | 17.728 | 0.20802 | 3.12057 | 2 | X |
| K02TE5C | 16.1 | 0.15 | K13B4 | 345.947 | 180.115 | 222.995 | 4.312  | 0.14131 | 3.10278 | 5 | X |
| K02TG9M | 15.7 | 0.15 | K13B4 | 2.721   | 40.753  | 332.290 | 16.729 | 0.18177 | 3.11754 | 4 | X |
| K02TK0S | 17.0 | 0.15 | K13B4 | 56.238  | 92.884  | 211.565 | 12.358 | 0.21278 | 2.37688 | 4 | X |
| K02TN9F | 15.7 | 0.15 | K13B4 | 308.550 | 257.561 | 217.367 | 14.578 | 0.37247 | 3.14299 | 4 | X |
| K02TP6F | 15.8 | 0.15 | K13B4 | 355.715 | 198.687 | 205.820 | 12.578 | 0.18994 | 3.09604 | 2 | X |
| K02TQ8E | 17.2 | 0.15 | K13B4 | 2.030   | 48.257  | 339.956 | 5.498  | 0.19474 | 2.37875 | 7 | X |
| K02TQ9Y | 15.8 | 0.15 | K13B4 | 359.196 | 39.394  | 348.164 | 9.266  | 0.13124 | 3.10220 | 3 | X |
| K02TS2M | 15.2 | 0.15 | K13B4 | 356.040 | 148.313 | 245.330 | 8.683  | 0.12925 | 3.13729 | 6 | X |
| K02TU2Y | 17.9 | 0.15 | K13B4 | 26.853  | 146.058 | 204.931 | 3.682  | 0.20534 | 2.37498 | 6 | X |
| K02TU5L | 16.0 | 0.15 | K13B4 | 10.395  | 338.264 | 38.964  | 16.438 | 0.07665 | 3.09506 | 5 | X |
| K02TV0W | 17.0 | 0.15 | K13B4 | 348.928 | 330.674 | 69.506  | 10.445 | 0.10528 | 3.11430 | 3 | X |
| K02TV2B | 16.4 | 0.15 | K13B4 | 280.498 | 329.395 | 156.713 | 11.113 | 0.17630 | 3.12641 | 4 | X |
| K02TY4G | 15.5 | 0.15 | K13B4 | 27.033  | 310.422 | 54.597  | 12.857 | 0.07114 | 3.08628 | 5 | X |
| K02Tb0V | 16.0 | 0.15 | K13B4 | 281.547 | 4.149   | 118.379 | 11.281 | 0.18394 | 3.16214 | 6 | X |
| K02U41Q | 17.4 | 0.15 | K13B4 | 1.917   | 293.369 | 99.334  | 3.258  | 0.21513 | 2.38867 | 5 | X |
| K02U58C | 16.5 | 0.15 | K13B4 | 328.264 | 315.351 | 107.098 | 8.163  | 0.09399 | 3.13105 | 5 | X |
| K02U61J | 16.0 | 0.15 | K13B4 | 195.095 | 278.630 | 270.810 | 9.176  | 0.03363 | 3.01228 | 6 | X |
| K02U75G | 15.6 | 0.15 | K13B4 | 312.815 | 28.282  | 40.368  | 27.649 | 0.06388 | 3.17491 | 5 | X |
| K02U77L | 15.9 | 0.15 | K13B4 | 312.006 | 38.506  | 49.950  | 12.590 | 0.21322 | 3.16283 | 3 | X |
| K02V02Q | 15.4 | 0.15 | K13B4 | 312.436 | 219.720 | 232.095 | 16.037 | 0.20665 | 3.14751 | 6 | X |
| K02V13B | 17.9 | 0.15 | K13B4 | 16.727  | 321.911 | 36.829  | 5.717  | 0.22351 | 2.39735 | 4 | X |
| K02V32U | 17.2 | 0.15 | K13B4 | 347.302 | 313.292 | 97.122  | 3.171  | 0.19151 | 2.40274 | 5 | X |
| K02V36A | 17.5 | 0.15 | K13B4 | 357.570 | 333.295 | 56.772  | 2.160  | 0.19157 | 2.39879 | 4 | X |
| K02V75G | 15.8 | 0.15 | K13B4 | 28.703  | 236.665 | 116.113 | 2.998  | 0.17663 | 3.14877 | 6 | X |
| K02V92W | 15.6 | 0.15 | K13B4 | 344.864 | 202.586 | 210.093 | 7.848  | 0.19538 | 3.15413 | 4 | X |
| K02V94R | 19.1 | 0.15 | K13B4 | 358.781 | 326.957 | 57.045  | 5.575  | 0.55854 | 2.38181 | 3 | X |
| K02VA0J | 15.2 | 0.15 | K13B4 | 353.759 | 355.474 | 56.551  | 28.329 | 0.09683 | 3.13147 | 6 | X |
| K02VD4C | 16.4 | 0.15 | K13B4 | 17.990  | 302.435 | 66.516  | 1.908  | 0.17623 | 3.12447 | 7 | X |
| K02W26V | 16.0 | 0.15 | K13B4 | 291.303 | 51.313  | 48.280  | 11.847 | 0.08713 | 3.16916 | 5 | X |
| K02W29G | 13.3 | 0.15 | K13B4 | 309.080 | 11.488  | 58.980  | 11.911 | 0.04885 | 5.22230 | 6 | X |
| K02X02S | 15.9 | 0.15 | K13B4 | 322.283 | 346.918 | 104.770 | 6.478  | 0.21432 | 3.17236 | 4 | X |
| K02X53Z | 17.3 | 0.15 | K13B4 | 312.972 | 242.109 | 210.510 | 4.288  | 0.20363 | 2.41388 | 3 | X |
| K02X92Y | 16.1 | 0.15 | K13B4 | 339.307 | 347.143 | 63.158  | 5.906  | 0.15581 | 3.20916 | 7 | X |
| K02XC0B | 17.7 | 0.15 | K13B4 | 29.173  | 266.656 | 84.861  | 3.429  | 0.23963 | 2.39630 | 6 | X |
| K03A65A | 16.8 | 0.15 | K13B4 | 334.203 | 358.663 | 71.468  | 12.110 | 0.22661 | 2.42724 | 6 | X |
| K03A90G | 15.2 | 0.15 | K13B4 | 257.042 | 63.411  | 82.344  | 15.988 | 0.26074 | 3.30682 | 4 | X |
| K03B450 | 17.6 | 0.15 | K13B4 | 343.633 | 299.948 | 119.533 | 2.972  | 0.20297 | 2.43584 | 7 | X |
| K03F79E | 15.9 | 0.15 | K13B4 | 85.413  | 64.281  | 211.920 | 8.305  | 0.22486 | 2.69315 | 4 | X |
| K03F820 | 16.1 | 0.15 | K13B4 | 148.797 | 47.807  | 175.830 | 11.605 | 0.13195 | 2.64406 | 6 | X |
| K03H16E | 16.3 | 0.15 | K13B4 | 174.995 | 129.559 | 70.963  | 12.090 | 0.13967 | 2.65159 | 5 | X |
| K03M01F | 17.9 | 0.15 | K13B4 | 55.719  | 28.255  | 262.995 | 5.406  | 0.37187 | 2.20525 | 3 | X |
| K03Q09M | 18.2 | 0.15 | K13B4 | 37.312  | 17.396  | 314.270 | 4.237  | 0.21445 | 2.21099 | 4 | X |
| K03S340 | 18.3 | 0.15 | K13B4 | 88.808  | 265.092 | 20.004  | 3.205  | 0.15644 | 2.20818 | 4 | X |
| K03S40Y | 16.4 | 0.15 | K13B4 | 39.032  | 128.889 | 206.940 | 14.040 | 0.19480 | 2.87686 | 5 | X |
| K03S650 | 17.5 | 0.15 | K13B4 | 61.931  | 78.962  | 224.705 | 6.715  | 0.22183 | 2.20635 | 6 | X |
| K03S680 | 18.4 | 0.15 | K13B4 | 5.302   | 91.414  | 279.000 | 2.768  | 0.16171 | 2.22575 | 4 | X |
| K03S87L | 16.1 | 0.15 | K13B4 | 22.081  | 334.023 | 30.252  | 13.134 | 0.16229 | 2.86839 | 5 | X |
| K03SI7W | 16.2 | 0.15 | K13B4 | 0.597   | 124.371 | 244.151 | 7.250  | 0.10617 | 2.90746 | 5 | X |
| K03SJ0U | 18.0 | 0.15 | K13B4 | 36.402  | 335.985 | 2.517   | 5.030  | 0.18573 | 2.22348 | 3 | X |
| K03SN4B | 17.9 | 0.15 | K13B4 | 68.771  | 176.220 | 112.437 | 3.611  | 0.27345 | 2.22204 | 5 | X |
| K03SO7B | 18.0 | 0.15 | K13B4 | 33.910  | 169.843 | 172.784 | 1.825  | 0.24127 | 2.22263 | 4 | X |
| K03SU1M | 16.3 | 0.15 | K13B4 | 9.226   | 306.490 | 76.230  | 3.090  | 0.08082 | 2.87030 | 7 | X |
| K03SW5Y | 18.1 | 0.15 | K13B4 | 108.929 | 274.052 | 359.039 | 20.475 | 0.05175 | 1.83765 | 3 | X |
| K03SY0J | 18.3 | 0.15 | K13B4 | 349.987 | 357.234 | 47.732  | 5.328  | 0.12810 | 2.22217 | 5 | X |
| K03Sa0X | 19.1 | 0.15 | K13B4 | 24.766  | 98.821  | 251.238 | 3.351  | 0.17921 | 2.21774 | 4 | X |
| K03T35Y | 18.5 | 0.15 | K13B4 | 353.379 | 88.939  | 305.032 | 3.230  | 0.14604 | 2.23775 | 4 | X |
| K03T42S | 17.7 | 0.15 | K13B4 | 335.406 | 79.508  | 342.931 | 4.077  | 0.10493 | 2.22580 | 5 | X |
| K03U77A | 17.9 | 0.15 | K13B4 | 27.412  | 15.752  | 331.885 | 6.809  | 0.16360 | 2.24323 | 6 | X |
| K03UC90 | 17.3 | 0.15 | K13B4 | 45.159  | 15.205  | 311.328 | 6.328  | 0.19752 | 2.24083 | 6 | X |
| K03UD7C | 17.4 | 0.15 | K13B4 | 346.240 | 7.432   | 42.557  | 6.286  | 0.14703 | 2.23325 | 6 | X |
| K03UI4M | 17.6 | 0.15 | K13B4 | 12.803  | 139.473 | 232.186 | 7.029  | 0.13617 | 2.24343 | 3 | X |
| K03UJ1M | 17.5 | 0.15 | K13B4 | 41.019  | 123.836 | 206.139 | 22.302 | 0.19151 | 2.24670 | 3 | X |
| K03UK5L | 16.1 | 0.15 | K13B4 | 9.887   | 100.331 | 262.543 | 10.049 | 0.16196 | 2.98317 | 3 | X |
| K03UL4E | 19.6 | 0.15 | K13B4 | 24.421  | 133.815 | 212.991 | 5.913  | 0.31128 | 2.23352 | 2 | X |
| K03UM9Y | 18.0 | 0.15 | K13B4 | 24.119  | 37.801  | 317.964 | 2.121  | 0.19444 | 2.23863 | 4 | X |
| K03UN6V | 17.6 | 0.15 | K13B4 | 11.235  | 317.872 | 61.815  | 6.555  | 0.15039 | 2.22978 | 5 | X |
| K03U06X | 16.2 | 0.15 | K13B4 | 19.152  | 9.747   | 358.475 | 1.275  | 0.11578 | 2.92108 | 7 | X |
| K03UP6N | 17.8 | 0.15 | K13B4 | 16.592  | 250.008 | 124.904 | 2.792  | 0.18811 | 2.23682 | 6 | X |
| K03UP6T | 16.9 | 0.15 | K13B4 | 1.369   | 194.756 | 195.966 | 5.712  | 0.30142 | 2.93972 | 4 | X |
| K03UV1M | 16.4 | 0.15 | K13B4 | 324.406 | 350.617 | 91.288  | 2.067  | 0.16605 | 2.92347 | 4 | X |
| K03UV8E | 17.7 | 0.15 | K13B4 | 41.673  | 24.023  | 302.098 | 7.747  | 0.20880 | 2.21011 | 5 | X |
| K03Ub5J | 17.1 | 0.15 | K13B4 | 38.509  | 22.516  | 306.323 | 3.498  | 0.20766 | 2.89185 | 5 | X |
| K03Ub6D | 18.8 | 0.15 | K13B4 | 48.307  | 22.425  | 296.828 | 2.821  | 0.23019 | 2.22699 | 3 | X |
| K03V10C | 16.4 | 0.15 | K13B4 | 210.419 | 142.484 | 34.312  | 25.673 | 0.16200 | 2.28806 | 5 | X |
| K03W10W | 17.2 | 0.15 | K13B4 | 14.658  | 30.749  | 342.366 | 6.526  | 0.11170 | 2.23816 | 5 | X |
| K03W78K | 15.6 | 0.15 | K13B4 | 15.090  | 103.768 | 260.648 | 8.945  | 0.06497 | 2.98969 | 6 | X |
| K03W80R | 17.9 | 0.15 | K13B4 | 285.962 | 246.196 | 213.612 | 21.331 | 0.05560 | 1.87138 | 4 | X |
| K03W91B | 17.7 | 0.15 | K13B4 | 344.291 | 359.579 | 53.652  | 5.876  | 0.13191 | 2.25094 | 5 | X |
| K03WB7T | 17.8 | 0.15 | K13B4 | 359.428 | 355.071 | 39.815  | 4.410  | 0.18486 | 2.25511 | 5 | X |
| K03WG30 | 16.7 | 0.15 | K13B4 | 35.601  | 284.783 | 54.069  | 8.046  | 0.21825 | 2.98938 | 3 | X |
| K03WJ4D | 16.9 | 0.15 | K13B4 | 355.955 | 325.929 | 61.630  | 12.815 | 0.19235 | 2.99813 | 4 | X |
| K03Y04M | 17.5 | 0.15 | K13B4 | 330.425 | 147.395 | 279.728 | 5.756  | 0.22470 | 2.28304 | 5 | X |
| K03Y10M | 15.5 | 0.15 | K13B4 | 288.802 | 83.091  | 21.094  | 10.435 | 0.03463 | 3.04319 | 6 | X |
| K03Y15M | 15.6 | 0.15 | K13B4 | 275.749 | 217.163 | 269.299 | 10.099 | 0.16364 | 3.03464 | 6 | X |
| K03Y55P | 15.1 | 0.15 | K13B4 | 20.257  | 102.920 | 253.598 | 9.673  | 0.24167 | 3.00289 | 7 | X |

|         |      |      |       |         |         |         |        |         |         |   |   |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|---|---|
| K03Y79W | 16.4 | 0.15 | K13B4 | 232.980 | 84.312  | 75.316  | 6.145  | 0.11850 | 2.32812 | 5 | X |
| K03YG5L | 13.1 | 0.15 | K13B4 | 26.516  | 254.651 | 90.751  | 12.591 | 0.05418 | 5.16095 | 6 | X |
| K04B03U | 16.1 | 0.15 | K13B4 | 309.897 | 109.668 | 342.163 | 4.304  | 0.11932 | 3.10747 | 4 | X |
| K04B17F | 15.8 | 0.15 | K13B4 | 311.547 | 85.900  | 15.108  | 14.750 | 0.25650 | 3.06904 | 3 | X |
| K04B26K | 15.6 | 0.15 | K13B4 | 321.225 | 130.361 | 302.536 | 8.226  | 0.07342 | 3.12184 | 5 | X |
| K04C36Z | 15.7 | 0.15 | K13B4 | 289.473 | 229.740 | 250.256 | 8.660  | 0.19860 | 3.13518 | 4 | X |
| K04CB4Z | 15.4 | 0.15 | K13B4 | 274.787 | 94.345  | 35.938  | 16.840 | 0.14481 | 3.15582 | 4 | X |
| K04D60B | 15.9 | 0.15 | K13B4 | 324.792 | 282.651 | 154.515 | 16.800 | 0.23151 | 3.10988 | 3 | X |
| K04F09J | 16.5 | 0.15 | K13B4 | 333.376 | 125.957 | 307.382 | 2.658  | 0.26073 | 3.14634 | 6 | X |
| K04F25X | 15.8 | 0.15 | K13B4 | 206.865 | 158.327 | 17.075  | 21.213 | 0.09545 | 2.43814 | 6 | X |
| K04FB5G | 16.6 | 0.15 | K13B4 | 292.707 | 67.390  | 40.278  | 6.992  | 0.09995 | 2.38299 | 4 | X |
| K04G04H | 17.9 | 0.15 | K13B4 | 239.690 | 136.801 | 20.158  | 19.569 | 0.04377 | 1.93510 | 4 | X |
| K04N15L | 16.4 | 0.15 | K13B4 | 33.592  | 33.196  | 293.155 | 12.693 | 0.25986 | 2.67009 | 3 | X |
| K04P43Q | 16.9 | 0.15 | K13B4 | 19.739  | 182.591 | 182.790 | 2.740  | 0.24328 | 2.66646 | 7 | X |
| K04Q13A | 17.4 | 0.15 | K13B4 | 23.741  | 304.836 | 43.719  | 6.796  | 0.30268 | 2.68491 | 3 | X |
| K04R09O | 16.2 | 0.15 | K13B4 | 7.200   | 202.306 | 194.198 | 13.760 | 0.26347 | 2.67954 | 4 | X |
| K04R96S | 17.3 | 0.15 | K13B4 | 40.239  | 109.088 | 204.616 | 12.617 | 0.30863 | 2.70310 | 4 | X |
| K04RBLK | 16.7 | 0.15 | K13B4 | 3.963   | 146.392 | 261.426 | 11.509 | 0.07893 | 2.62582 | 6 | X |
| K04RC4B | 16.8 | 0.15 | K13B4 | 17.274  | 85.408  | 265.141 | 10.391 | 0.24461 | 2.71340 | 2 | X |
| K04RD9D | 16.6 | 0.15 | K13B4 | 55.329  | 104.527 | 220.361 | 12.308 | 0.06492 | 2.66964 | 5 | X |
| K04RE2P | 16.9 | 0.15 | K13B4 | 59.593  | 132.900 | 168.901 | 13.642 | 0.21301 | 2.69634 | 5 | X |
| K04RE5S | 16.7 | 0.15 | K13B4 | 44.516  | 331.874 | 356.233 | 14.266 | 0.19648 | 2.68014 | 3 | X |
| K04RF1B | 16.9 | 0.15 | K13B4 | 21.487  | 3.913   | 359.183 | 7.886  | 0.08793 | 2.67583 | 5 | X |
| K04RF2W | 17.1 | 0.15 | K13B4 | 38.220  | 128.337 | 208.099 | 8.577  | 0.19399 | 2.68218 | 5 | X |
| K04RI1T | 16.7 | 0.15 | K13B4 | 48.685  | 1.878   | 329.515 | 10.693 | 0.07767 | 2.68705 | 6 | X |
| K04RJ0L | 16.7 | 0.15 | K13B4 | 19.553  | 133.952 | 217.962 | 12.596 | 0.26660 | 2.72645 | 4 | X |
| K04RK1P | 16.5 | 0.15 | K13B4 | 352.104 | 41.478  | 355.565 | 9.847  | 0.24175 | 2.73194 | 3 | X |
| K04RL5P | 16.8 | 0.15 | K13B4 | 2.798   | 137.424 | 232.403 | 9.376  | 0.34593 | 2.73669 | 2 | X |
| K04RM9T | 16.9 | 0.15 | K13B4 | 55.092  | 106.141 | 193.763 | 9.490  | 0.31898 | 2.71707 | 4 | X |
| K04RN3X | 16.3 | 0.15 | K13B4 | 331.205 | 36.008  | 32.664  | 5.201  | 0.14253 | 2.71600 | 4 | X |
| K04RP6Z | 17.0 | 0.15 | K13B4 | 8.584   | 224.642 | 146.199 | 3.328  | 0.11012 | 2.69209 | 5 | X |
| K04RU8W | 17.2 | 0.15 | K13B4 | 11.068  | 262.141 | 121.812 | 3.240  | 0.16850 | 2.67089 | 7 | X |
| K04S22N | 16.8 | 0.15 | K13B4 | 44.952  | 116.240 | 193.217 | 13.950 | 0.35860 | 2.72009 | 4 | X |
| K04S50P | 16.7 | 0.15 | K13B4 | 9.530   | 188.562 | 193.872 | 12.059 | 0.11029 | 2.70966 | 5 | X |
| K04S54D | 16.5 | 0.15 | K13B4 | 32.733  | 185.941 | 186.171 | 18.356 | 0.08333 | 2.65722 | 5 | X |
| K04T01X | 17.0 | 0.15 | K13B4 | 348.535 | 209.456 | 201.821 | 8.695  | 0.24626 | 2.70841 | 3 | X |
| K04T02O | 16.4 | 0.15 | K13B4 | 351.687 | 197.169 | 209.402 | 10.566 | 0.18253 | 2.71248 | 5 | X |
| K04T17G | 16.6 | 0.15 | K13B4 | 12.535  | 119.749 | 245.138 | 7.562  | 0.22962 | 2.75107 | 2 | X |
| K04T19R | 16.3 | 0.15 | K13B4 | 338.858 | 331.851 | 88.540  | 5.021  | 0.17981 | 2.72215 | 6 | X |
| K04T66A | 16.5 | 0.15 | K13B4 | 7.710   | 321.818 | 56.995  | 5.894  | 0.12677 | 2.72061 | 5 | X |
| K04T69C | 15.8 | 0.15 | K13B4 | 94.700  | 258.333 | 30.776  | 15.202 | 0.07015 | 2.69896 | 6 | X |
| K04TA5K | 17.4 | 0.15 | K13B4 | 346.178 | 99.151  | 310.411 | 13.319 | 0.31180 | 2.73284 | 3 | X |
| K04TC2Q | 16.5 | 0.15 | K13B4 | 14.293  | 174.150 | 197.372 | 5.595  | 0.05594 | 2.71514 | 6 | X |
| K04TC5A | 16.7 | 0.15 | K13B4 | 35.220  | 135.503 | 213.561 | 5.341  | 0.08644 | 2.69806 | 7 | X |
| K04TD0O | 16.8 | 0.15 | K13B4 | 42.745  | 190.368 | 142.132 | 5.040  | 0.23047 | 2.70477 | 7 | X |
| K04TK2V | 16.9 | 0.15 | K13B4 | 25.288  | 316.205 | 34.728  | 8.998  | 0.23776 | 2.75838 | 5 | X |
| K04TK3S | 16.6 | 0.15 | K13B4 | 40.617  | 301.718 | 39.911  | 12.275 | 0.13437 | 2.76651 | 4 | X |
| K04TO9L | 16.1 | 0.15 | K13B4 | 296.867 | 259.681 | 205.825 | 13.838 | 0.18709 | 2.74815 | 6 | X |
| K04TP2L | 17.2 | 0.15 | K13B4 | 12.218  | 163.015 | 209.735 | 4.473  | 0.12383 | 2.71306 | 7 | X |
| K04TU2Q | 16.1 | 0.15 | K13B4 | 39.559  | 323.176 | 42.895  | 12.599 | 0.19515 | 2.67598 | 6 | X |
| K04TU9G | 16.4 | 0.15 | K13B4 | 348.301 | 176.287 | 229.584 | 15.709 | 0.19628 | 2.73197 | 3 | X |
| K04TV9M | 16.8 | 0.15 | K13B4 | 54.871  | 105.249 | 205.017 | 8.689  | 0.20671 | 2.73972 | 6 | X |
| K04TX8U | 16.5 | 0.15 | K13B4 | 28.460  | 321.738 | 28.739  | 13.835 | 0.19550 | 2.73686 | 5 | X |
| K04U05J | 16.2 | 0.15 | K13B4 | 348.524 | 172.694 | 234.982 | 7.832  | 0.22377 | 2.74735 | 5 | X |
| K04V29D | 16.3 | 0.15 | K13B4 | 310.128 | 21.333  | 59.216  | 7.659  | 0.02069 | 2.77070 | 6 | X |
| K04V55P | 16.9 | 0.15 | K13B4 | 9.267   | 337.679 | 41.588  | 9.579  | 0.30231 | 2.74357 | 2 | X |
| K04V65X | 17.4 | 0.15 | K13B4 | 331.642 | 136.102 | 282.060 | 2.158  | 0.08331 | 2.76122 | 5 | X |
| K04VB5H | 17.0 | 0.15 | K13B4 | 8.908   | 162.813 | 213.093 | 3.803  | 0.08869 | 2.75414 | 6 | X |
| K04X69J | 16.3 | 0.15 | K13B4 | 298.751 | 41.619  | 57.756  | 13.345 | 0.13627 | 2.79704 | 5 | X |
| K04XA6O | 17.3 | 0.15 | K13B4 | 3.431   | 75.216  | 305.616 | 2.844  | 0.33427 | 2.76564 | 2 | X |
| K04Y02Z | 15.9 | 0.15 | K13B4 | 359.179 | 163.092 | 224.749 | 12.261 | 0.18375 | 2.77852 | 6 | X |
| K05E18W | 16.2 | 0.15 | K13B4 | 157.485 | 44.277  | 174.757 | 19.362 | 0.17217 | 3.18885 | 6 | X |
| K05EE4Z | 17.6 | 0.15 | K13B4 | 338.304 | 46.878  | 9.787   | 5.994  | 0.14409 | 2.20258 | 4 | X |
| K05EL2Y | 16.2 | 0.15 | K13B4 | 340.554 | 247.572 | 172.380 | 10.251 | 0.10874 | 3.01848 | 6 | X |
| K05EN8F | 16.1 | 0.15 | K13B4 | 275.007 | 102.428 | 14.822  | 9.885  | 0.07198 | 3.06787 | 5 | X |
| K05G74J | 17.2 | 0.15 | K13B4 | 122.824 | 185.574 | 63.226  | 10.637 | 0.16896 | 2.30633 | 5 | X |
| K05G97A | 17.7 | 0.15 | K13B4 | 83.098  | 123.859 | 173.027 | 4.158  | 0.11875 | 2.30540 | 6 | X |
| K05GA8C | 15.8 | 0.15 | K13B4 | 334.601 | 236.039 | 192.945 | 10.157 | 0.21477 | 3.03658 | 5 | X |
| K05GG2N | 15.9 | 0.15 | K13B4 | 220.476 | 58.224  | 114.594 | 10.881 | 0.24673 | 3.13178 | 5 | X |
| K05GG8M | 15.5 | 0.15 | K13B4 | 310.981 | 43.899  | 41.024  | 10.774 | 0.06727 | 3.11993 | 4 | X |
| K05H00E | 19.7 | 0.15 | K13B4 | 90.205  | 230.181 | 34.714  | 22.766 | 0.26077 | 1.87301 | 3 | X |
| K05H06K | 17.6 | 0.15 | K13B4 | 129.991 | 143.909 | 97.001  | 7.196  | 0.09539 | 2.33826 | 5 | X |
| K05J52X | 17.7 | 0.15 | K13B4 | 92.803  | 168.320 | 98.037  | 6.607  | 0.19943 | 2.37041 | 6 | X |
| K05L30Q | 17.7 | 0.15 | K13B4 | 22.207  | 120.142 | 239.963 | 0.276  | 0.20869 | 2.43029 | 7 | X |
| K05M18V | 16.5 | 0.15 | K13B4 | 14.405  | 119.465 | 244.794 | 7.962  | 0.29161 | 2.47784 | 5 | X |
| K05N31F | 17.2 | 0.15 | K13B4 | 30.748  | 78.301  | 264.678 | 2.659  | 0.24551 | 2.45331 | 6 | X |
| K05N79E | 17.5 | 0.15 | K13B4 | 338.639 | 289.476 | 126.748 | 5.292  | 0.09508 | 2.41644 | 5 | X |
| K05Q87T | 16.9 | 0.15 | K13B4 | 57.611  | 56.265  | 259.789 | 6.509  | 0.12385 | 2.47957 | 5 | X |
| K05QA4U | 17.1 | 0.15 | K13B4 | 48.149  | 8.696   | 321.240 | 5.793  | 0.12561 | 2.47426 | 5 | X |
| K05QC3W | 17.6 | 0.15 | K13B4 | 346.056 | 245.712 | 169.276 | 2.097  | 0.21050 | 2.47717 | 5 | X |
| K05QF6M | 16.7 | 0.15 | K13B4 | 7.668   | 94.589  | 274.391 | 13.221 | 0.11772 | 2.51944 | 4 | X |
| K05QI9B | 14.9 | 0.15 | K13B4 | 47.140  | 258.658 | 55.398  | 12.398 | 0.30655 | 3.95168 | 3 | X |
| K05T47D | 18.3 | 0.15 | K13B4 | 17.624  | 107.363 | 249.444 | 7.015  | 0.23187 | 2.51444 | 3 | X |
| K05T80V | 18.1 | 0.15 | K13B4 | 29.187  | 118.746 | 219.265 | 8.088  | 0.23555 | 2.52200 | 5 | X |
| K05TD7L | 18.0 | 0.15 | K13B4 | 19.253  | 340.596 | 28.598  | 20.924 | 0.09032 | 1.93030 | 3 | X |
| K05TJ0V | 17.6 | 0.15 | K13B4 | 287.711 | 76.351  | 47.791  | 25.497 | 0.06572 | 1.91102 | 4 | X |
| K05TJ1Z | 17.9 | 0.15 | K13B4 | 11.515  | 154.203 | 213.322 | 20.514 | 0.09512 | 1.92668 | 4 | X |
| K05U11K | 17.9 | 0.15 | K13B4 | 17.080  | 36.163  | 322.730 | 3.822  | 0.22558 | 2.54931 | 3 | X |
| K05U51C | 17.8 | 0.15 | K13B4 | 8.913   | 100.861 | 261.436 | 3.410  | 0.26344 | 2.55388 | 3 | X |
| K05U92N | 17.4 | 0.15 | K13B4 | 42.906  | 356.861 | 333.452 | 3.363  | 0.13972 | 2.55938 | 6 | X |
| K05UI5X | 17.9 | 0.15 | K13B4 | 8.186   | 314.892 | 54.761  | 10.506 | 0.21649 | 2.56971 | 3 | X |
| K05UN2R | 17.4 | 0.15 | K13B4 | 60.984  | 247.082 | 50.441  | 14.944 | 0.19634 | 2.58719 | 4 | X |
| K05UV3M | 17.8 | 0.15 | K13B4 | 329.772 | 201.684 | 212.470 | 20.604 | 0.08573 | 1.92622 | 3 | X |
| K05UW2U | 17.4 | 0.15 | K13B4 | 357.332 | 241.122 | 159.381 | 4.219  | 0.21497 | 2.53013 | 5 | X |
| K05UZ3M | 17.0 | 0.15 | K13B4 | 22.553  | 353.554 | 7.903   | 7.647  | 0.15090 | 2.54401 | 7 | X |
| K05Ug9M | 18.6 | 0.15 | K13B4 | 18.659  | 100.677 | 242.409 | 4.331  | 0.29545 | 2.56945 | 3 | X |
| K05Uq9U | 17.2 | 0.15 | K13B4 | 5.929   | 284.011 | 92.679  | 8.752  | 0.14644 | 2.55028 | 4 | X |

|         |      |      |       |         |         |         |        |         |         |   |   |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|---|---|
| K05V49D | 17.7 | 0.15 | K13B4 | 356.478 | 182.506 | 216.447 | 2.072  | 0.18224 | 2.54093 | 4 | X |
| K05V58N | 16.8 | 0.15 | K13B4 | 94.856  | 298.230 | 345.097 | 4.866  | 0.08026 | 2.55101 | 7 | X |
| K05V93E | 17.3 | 0.15 | K13B4 | 3.657   | 292.550 | 87.150  | 8.269  | 0.21265 | 2.57134 | 3 | X |
| K05W13X | 16.7 | 0.15 | K13B4 | 51.780  | 69.750  | 243.327 | 12.014 | 0.18695 | 2.60212 | 4 | X |
| K05W18X | 17.1 | 0.15 | K13B4 | 287.353 | 33.451  | 74.266  | 14.756 | 0.12548 | 2.62044 | 4 | X |
| K05W25N | 16.1 | 0.15 | K13B4 | 67.928  | 248.427 | 56.547  | 11.689 | 0.18910 | 2.59708 | 4 | X |
| K05W34K | 16.7 | 0.15 | K13B4 | 342.683 | 141.787 | 274.548 | 5.163  | 0.19178 | 2.56822 | 4 | X |
| K05W46F | 17.3 | 0.15 | K13B4 | 347.105 | 190.019 | 202.088 | 13.867 | 0.25142 | 2.57579 | 3 | X |
| K05W69B | 15.9 | 0.15 | K13B4 | 315.232 | 191.976 | 251.827 | 13.970 | 0.22645 | 2.59689 | 5 | X |
| K05WC6X | 16.9 | 0.15 | K13B4 | 311.509 | 313.777 | 155.751 | 5.105  | 0.23869 | 2.55410 | 5 | X |
| K05WE2D | 17.2 | 0.15 | K13B4 | 351.938 | 317.795 | 72.764  | 11.826 | 0.13304 | 2.60990 | 3 | X |
| K05X29F | 16.5 | 0.15 | K13B4 | 337.175 | 64.902  | 14.015  | 11.697 | 0.16708 | 2.58327 | 5 | X |
| K05X42A | 16.7 | 0.15 | K13B4 | 39.054  | 77.832  | 253.917 | 6.858  | 0.15829 | 2.56473 | 5 | X |
| K05X59U | 17.7 | 0.15 | K13B4 | 18.623  | 11.544  | 349.964 | 0.212  | 0.19940 | 2.59907 | 3 | X |
| K05X71D | 16.6 | 0.15 | K13B4 | 249.325 | 69.720  | 69.068  | 13.935 | 0.09046 | 2.66263 | 4 | X |
| K05Y30G | 17.4 | 0.15 | K13B4 | 343.754 | 302.790 | 112.099 | 2.740  | 0.18151 | 2.57898 | 6 | X |
| K05Y31Y | 17.0 | 0.15 | K13B4 | 339.895 | 311.399 | 104.446 | 5.779  | 0.19029 | 2.63970 | 5 | X |
| K05Y77K | 16.8 | 0.15 | K13B4 | 217.557 | 70.724  | 93.796  | 6.532  | 0.00979 | 2.70014 | 5 | X |
| K05Y98J | 17.7 | 0.15 | K13B4 | 21.399  | 124.514 | 235.596 | 3.392  | 0.16605 | 2.57712 | 5 | X |
| K05YB2Y | 17.3 | 0.15 | K13B4 | 284.018 | 5.022   | 108.385 | 7.416  | 0.16326 | 2.65740 | 4 | X |
| K05YF4H | 17.0 | 0.15 | K13B4 | 2.162   | 60.130  | 328.244 | 2.589  | 0.23505 | 2.60715 | 5 | X |
| K05YHOY | 16.1 | 0.15 | K13B4 | 333.361 | 138.484 | 271.600 | 13.998 | 0.08728 | 2.60166 | 5 | X |
| K05YH4N | 17.2 | 0.15 | K13B4 | 354.971 | 353.857 | 51.500  | 7.707  | 0.27518 | 2.58548 | 3 | X |
| K05YH4U | 16.5 | 0.15 | K13B4 | 304.712 | 132.461 | 323.600 | 13.487 | 0.25318 | 2.63685 | 4 | X |
| K05YJ5Q | 16.9 | 0.15 | K13B4 | 55.760  | 77.168  | 244.327 | 4.929  | 0.03328 | 2.71650 | 3 | X |
| K05YK5G | 16.8 | 0.15 | K13B4 | 343.191 | 304.621 | 98.332  | 7.050  | 0.06970 | 2.68557 | 5 | X |
| K05YN7M | 14.1 | 0.15 | K13B4 | 338.377 | 177.623 | 203.868 | 2.751  | 0.00696 | 5.14824 | 3 | X |
| K05YO5M | 16.7 | 0.15 | K13B4 | 51.587  | 344.416 | 342.719 | 5.981  | 0.08101 | 2.72292 | 7 | X |
| K05YP1H | 16.9 | 0.15 | K13B4 | 352.219 | 121.661 | 269.641 | 5.542  | 0.04308 | 2.71981 | 4 | X |
| K05YQ9O | 16.6 | 0.15 | K13B4 | 269.695 | 351.677 | 140.140 | 9.488  | 0.20247 | 2.74034 | 4 | X |
| K05YS2V | 17.1 | 0.15 | K13B4 | 313.423 | 143.895 | 286.979 | 4.693  | 0.13888 | 2.63355 | 4 | X |
| K05YT2C | 17.1 | 0.15 | K13B4 | 27.821  | 113.443 | 239.734 | 1.799  | 0.08526 | 2.69901 | 7 | X |
| K06A14N | 16.9 | 0.15 | K13B4 | 337.671 | 121.731 | 299.620 | 6.203  | 0.20626 | 2.64379 | 6 | X |
| K06A15M | 16.7 | 0.15 | K13B4 | 263.488 | 5.881   | 125.103 | 10.170 | 0.09192 | 2.71043 | 6 | X |
| K06A32W | 16.8 | 0.15 | K13B4 | 288.278 | 56.316  | 65.583  | 13.824 | 0.22141 | 2.67448 | 4 | X |
| K06A33B | 16.3 | 0.15 | K13B4 | 308.681 | 136.440 | 300.937 | 12.907 | 0.13892 | 2.65756 | 4 | X |
| K06A53O | 16.8 | 0.15 | K13B4 | 22.454  | 81.088  | 278.620 | 5.063  | 0.02579 | 2.72738 | 5 | X |
| K06A67R | 16.0 | 0.15 | K13B4 | 75.187  | 20.258  | 280.862 | 5.350  | 0.07817 | 2.75938 | 3 | X |
| K06B64B | 16.0 | 0.15 | K13B4 | 287.269 | 121.107 | 353.519 | 14.467 | 0.14258 | 2.70139 | 3 | X |
| K06BD0E | 16.2 | 0.15 | K13B4 | 12.674  | 29.126  | 330.506 | 14.631 | 0.15322 | 2.83859 | 5 | X |
| K06BD6F | 16.5 | 0.15 | K13B4 | 78.314  | 267.714 | 37.041  | 3.813  | 0.05018 | 2.69719 | 5 | X |
| K06BD8Q | 18.6 | 0.15 | K13B4 | 293.245 | 330.307 | 148.517 | 9.375  | 0.25893 | 2.67500 | 3 | X |
| K06BF2G | 16.6 | 0.15 | K13B4 | 306.889 | 331.147 | 120.049 | 7.092  | 0.10676 | 2.70945 | 4 | X |
| K06BK6P | 16.7 | 0.15 | K13B4 | 37.609  | 28.377  | 301.268 | 7.008  | 0.22434 | 2.77871 | 3 | X |
| K06BM3S | 16.3 | 0.15 | K13B4 | 229.398 | 199.688 | 322.783 | 8.164  | 0.05536 | 2.76776 | 5 | X |
| K06BR7C | 16.2 | 0.15 | K13B4 | 33.387  | 5.552   | 335.383 | 8.646  | 0.14739 | 2.78085 | 4 | X |
| K06C52J | 13.7 | 0.15 | K13B4 | 133.022 | 103.962 | 140.365 | 17.038 | 0.03846 | 5.18976 | 4 | X |
| K06D23Q | 16.8 | 0.15 | K13B4 | 305.131 | 80.947  | 7.903   | 4.454  | 0.08403 | 2.76923 | 6 | X |
| K06D76B | 16.7 | 0.15 | K13B4 | 1.405   | 241.726 | 144.845 | 6.279  | 0.06929 | 2.79667 | 6 | X |
| K06D76X | 16.4 | 0.15 | K13B4 | 30.963  | 217.113 | 127.243 | 3.002  | 0.07476 | 2.86533 | 6 | X |
| K06DE4S | 16.1 | 0.15 | K13B4 | 339.688 | 58.081  | 351.074 | 11.914 | 0.06016 | 2.80140 | 4 | X |
| K06DE9T | 16.5 | 0.15 | K13B4 | 7.769   | 31.596  | 344.500 | 10.219 | 0.12345 | 2.84922 | 5 | X |
| K06DLOP | 16.4 | 0.15 | K13B4 | 318.842 | 65.748  | 9.466   | 12.039 | 0.12102 | 2.80170 | 4 | X |
| K06E56O | 16.1 | 0.15 | K13B4 | 305.339 | 279.816 | 180.224 | 11.825 | 0.14076 | 2.72977 | 6 | X |
| K06G39P | 15.8 | 0.15 | K13B4 | 108.222 | 113.945 | 134.786 | 13.217 | 0.21851 | 3.08735 | 4 | X |
| K06H09X | 16.5 | 0.15 | K13B4 | 118.486 | 184.113 | 67.652  | 11.011 | 0.12379 | 3.03709 | 3 | X |
| K06H15V | 15.5 | 0.15 | K13B4 | 80.001  | 242.807 | 39.908  | 27.089 | 0.16425 | 3.11623 | 5 | X |
| K06H26H | 15.9 | 0.15 | K13B4 | 57.118  | 109.456 | 210.051 | 8.758  | 0.11612 | 3.10471 | 4 | X |
| K06H76T | 16.2 | 0.15 | K13B4 | 155.334 | 96.061  | 132.902 | 12.740 | 0.05695 | 3.04702 | 4 | X |
| K06H82S | 15.7 | 0.15 | K13B4 | 101.248 | 232.750 | 51.286  | 11.229 | 0.06060 | 3.04086 | 5 | X |
| K06H84R | 15.8 | 0.15 | K13B4 | 62.647  | 86.407  | 218.790 | 15.052 | 0.10934 | 3.15163 | 5 | X |
| K06H85Z | 15.7 | 0.15 | K13B4 | 24.828  | 290.086 | 61.388  | 10.427 | 0.07352 | 3.01890 | 5 | X |
| K06J02J | 16.3 | 0.15 | K13B4 | 168.059 | 113.788 | 93.078  | 7.987  | 0.11578 | 3.05089 | 7 | X |
| K06J22A | 16.0 | 0.15 | K13B4 | 92.353  | 156.771 | 122.053 | 7.958  | 0.10397 | 3.11414 | 6 | X |
| K06K12L | 16.0 | 0.15 | K13B4 | 95.299  | 173.145 | 99.403  | 13.193 | 0.09253 | 3.08206 | 5 | X |
| K06K32R | 16.4 | 0.15 | K13B4 | 247.168 | 74.844  | 64.023  | 11.867 | 0.09025 | 2.98591 | 4 | X |
| K06K51X | 15.5 | 0.15 | K13B4 | 37.208  | 121.468 | 216.463 | 10.602 | 0.10300 | 3.13138 | 6 | X |
| K06K71X | 15.8 | 0.15 | K13B4 | 349.932 | 196.094 | 209.636 | 14.035 | 0.07577 | 3.03439 | 6 | X |
| K06KA2B | 16.3 | 0.15 | K13B4 | 20.557  | 156.289 | 206.472 | 15.823 | 0.16136 | 3.15058 | 4 | X |
| K06KB2Z | 16.7 | 0.15 | K13B4 | 321.907 | 358.162 | 166.306 | 37.784 | 0.88691 | 2.52446 | 4 | X |
| K06KB8O | 15.5 | 0.15 | K13B4 | 38.248  | 285.878 | 51.764  | 12.356 | 0.07611 | 3.09423 | 4 | X |
| K06P15A | 17.6 | 0.15 | K13B4 | 58.420  | 335.733 | 337.887 | 7.190  | 0.11933 | 2.24875 | 7 | X |
| K06Q00D | 17.8 | 0.15 | K13B4 | 38.681  | 331.610 | 355.645 | 4.256  | 0.25623 | 2.28129 | 4 | X |
| K06Q26U | 17.6 | 0.15 | K13B4 | 20.079  | 73.799  | 282.676 | 1.931  | 0.20908 | 2.28240 | 4 | X |
| K06Q41S | 17.4 | 0.15 | K13B4 | 73.553  | 29.657  | 264.553 | 6.330  | 0.13392 | 2.26052 | 5 | X |
| K06Q81K | 16.9 | 0.15 | K13B4 | 318.426 | 94.813  | 343.971 | 23.795 | 0.24062 | 2.28873 | 3 | X |
| K06QB1Y | 17.7 | 0.15 | K13B4 | 27.304  | 138.206 | 215.038 | 4.204  | 0.16031 | 2.26396 | 6 | X |
| K06QB3A | 17.9 | 0.15 | K13B4 | 21.121  | 181.994 | 183.343 | 6.721  | 0.23285 | 2.26977 | 2 | X |
| K06QB6N | 18.1 | 0.15 | K13B4 | 11.579  | 81.192  | 291.574 | 4.198  | 0.20657 | 2.28196 | 5 | X |
| K06QC1X | 17.7 | 0.15 | K13B4 | 52.603  | 133.281 | 185.856 | 9.013  | 0.21456 | 2.26553 | 5 | X |
| K06QC6Z | 17.3 | 0.15 | K13B4 | 0.490   | 34.451  | 346.427 | 25.369 | 0.17523 | 2.29543 | 3 | X |
| K06QD6W | 18.1 | 0.15 | K13B4 | 43.553  | 125.708 | 203.342 | 3.921  | 0.20446 | 2.25828 | 4 | X |
| K06R04B | 16.8 | 0.15 | K13B4 | 325.222 | 83.517  | 352.627 | 8.354  | 0.13126 | 2.26615 | 4 | X |
| K06R56M | 17.9 | 0.15 | K13B4 | 308.305 | 81.713  | 14.388  | 5.541  | 0.14505 | 2.29851 | 3 | X |
| K06RA2A | 17.8 | 0.15 | K13B4 | 31.267  | 305.154 | 45.522  | 7.959  | 0.14491 | 2.29856 | 4 | X |
| K06S15R | 17.7 | 0.15 | K13B4 | 17.027  | 16.482  | 346.361 | 6.895  | 0.12885 | 2.29926 | 4 | X |
| K06S17J | 17.8 | 0.15 | K13B4 | 83.214  | 306.366 | 338.898 | 5.283  | 0.15665 | 2.30244 | 6 | X |
| K06S20H | 17.6 | 0.15 | K13B4 | 348.996 | 14.183  | 33.205  | 5.965  | 0.12419 | 2.27978 | 4 | X |
| K06S25X | 17.7 | 0.15 | K13B4 | 19.458  | 61.242  | 287.219 | 6.064  | 0.23125 | 2.30550 | 5 | X |
| K06S26B | 17.6 | 0.15 | K13B4 | 352.254 | 60.096  | 327.309 | 11.730 | 0.13740 | 2.30733 | 5 | X |
| K06S59V | 17.6 | 0.15 | K13B4 | 19.920  | 316.355 | 46.210  | 7.881  | 0.16718 | 2.27988 | 5 | X |
| K06S69N | 18.3 | 0.15 | K13B4 | 356.211 | 221.322 | 168.149 | 2.777  | 0.17076 | 2.29890 | 4 | X |
| K06S73O | 17.7 | 0.15 | K13B4 | 342.706 | 12.777  | 39.322  | 6.832  | 0.10340 | 2.31041 | 5 | X |
| K06S76M | 17.9 | 0.15 | K13B4 | 24.964  | 194.375 | 162.950 | 3.663  | 0.14836 | 2.30583 | 6 | X |
| K06SC9N | 17.7 | 0.15 | K13B4 | 15.979  | 360.000 | 3.889   | 7.935  | 0.17723 | 2.30236 | 5 | X |
| K06SR2M | 17.6 | 0.15 | K13B4 | 13.512  | 347.156 | 29.730  | 7.027  | 0.14876 | 2.28551 | 2 | X |
| K06SS2H | 17.4 | 0.15 | K13B4 | 348.700 | 358.970 | 48.855  | 3.196  | 0.14748 | 2.27658 | 7 | X |

|         |      |      |       |         |         |         |        |         |         |   |   |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|---|---|
| K06ST4Y | 18.5 | 0.15 | K13B4 | 1.815   | 193.875 | 195.895 | 5.346  | 0.21294 | 2.29321 | 3 | X |
| K06SX5X | 17.6 | 0.15 | K13B4 | 55.447  | 203.722 | 112.942 | 3.675  | 0.18668 | 2.29444 | 3 | X |
| K06Sa5B | 17.2 | 0.15 | K13B4 | 61.124  | 350.420 | 323.039 | 5.692  | 0.15053 | 2.29508 | 4 | X |
| K06T01Z | 17.9 | 0.15 | K13B4 | 313.603 | 90.567  | 13.215  | 8.002  | 0.28687 | 2.31347 | 4 | X |
| K06T10C | 17.2 | 0.15 | K13B4 | 30.106  | 297.640 | 52.936  | 6.168  | 0.18928 | 2.31238 | 7 | X |
| K06T12N | 17.8 | 0.15 | K13B4 | 343.552 | 135.270 | 275.000 | 3.639  | 0.16315 | 2.29633 | 4 | X |
| K06T13J | 17.8 | 0.15 | K13B4 | 0.459   | 289.446 | 101.490 | 2.717  | 0.18019 | 2.30010 | 6 | X |
| K06T44P | 18.0 | 0.15 | K13B4 | 37.489  | 286.577 | 45.331  | 3.661  | 0.25581 | 2.32858 | 3 | X |
| K06T54G | 17.8 | 0.15 | K13B4 | 337.614 | 204.998 | 212.003 | 7.543  | 0.16783 | 2.34083 | 4 | X |
| K06T60C | 17.7 | 0.15 | K13B4 | 28.793  | 322.708 | 26.305  | 7.997  | 0.10616 | 2.34702 | 4 | X |
| K06T77V | 17.4 | 0.15 | K13B4 | 60.567  | 116.054 | 199.462 | 5.796  | 0.18290 | 2.30776 | 6 | X |
| K06T78X | 17.9 | 0.15 | K13B4 | 18.976  | 326.032 | 38.716  | 6.364  | 0.24376 | 2.32150 | 5 | X |
| K06T80C | 17.4 | 0.15 | K13B4 | 72.699  | 302.263 | 0.472   | 6.901  | 0.13192 | 2.32354 | 4 | X |
| K06T81X | 18.3 | 0.15 | K13B4 | 339.123 | 52.489  | 2.101   | 5.219  | 0.15866 | 2.32974 | 3 | X |
| K06T91E | 17.6 | 0.15 | K13B4 | 316.085 | 222.356 | 229.353 | 6.613  | 0.17689 | 2.33007 | 5 | X |
| K06T94W | 17.7 | 0.15 | K13B4 | 22.844  | 299.757 | 52.640  | 6.835  | 0.27329 | 2.32275 | 4 | X |
| K06T96Z | 18.2 | 0.15 | K13B4 | 354.634 | 205.438 | 200.897 | 4.536  | 0.20360 | 2.32342 | 3 | X |
| K06U17L | 17.8 | 0.15 | K13B4 | 283.644 | 111.581 | 353.280 | 7.332  | 0.03696 | 2.30907 | 5 | X |
| K06U53B | 18.0 | 0.15 | K13B4 | 343.101 | 3.183   | 53.239  | 2.696  | 0.17978 | 2.32270 | 5 | X |
| K06U63Z | 17.2 | 0.15 | K13B4 | 35.110  | 21.998  | 299.610 | 6.315  | 0.26871 | 2.33664 | 3 | X |
| K06U67M | 16.7 | 0.15 | K13B4 | 233.882 | 345.929 | 179.930 | 5.828  | 0.05114 | 2.30042 | 4 | X |
| K06UH1Z | 17.9 | 0.15 | K13B4 | 36.501  | 92.569  | 222.893 | 13.309 | 0.31586 | 2.36536 | 4 | X |
| K06UKOY | 17.5 | 0.15 | K13B4 | 314.163 | 214.606 | 233.219 | 9.369  | 0.17191 | 2.33889 | 4 | X |
| K06UL8D | 18.1 | 0.15 | K13B4 | 356.185 | 22.541  | 15.180  | 5.564  | 0.14661 | 2.31900 | 4 | X |
| K06UM2A | 17.5 | 0.15 | K13B4 | 43.608  | 37.381  | 286.931 | 3.875  | 0.17803 | 2.30449 | 5 | X |
| K06UM2F | 17.5 | 0.15 | K13B4 | 60.805  | 89.745  | 215.345 | 10.517 | 0.20122 | 2.30176 | 6 | X |
| K06UR8K | 18.4 | 0.15 | K13B4 | 24.367  | 114.452 | 236.198 | 3.250  | 0.19996 | 2.32313 | 3 | X |
| K06V01O | 17.7 | 0.15 | K13B4 | 350.165 | 212.973 | 199.557 | 4.186  | 0.31238 | 2.32930 | 4 | X |
| K06V01P | 18.1 | 0.15 | K13B4 | 342.847 | 52.417  | 4.715   | 5.959  | 0.22272 | 2.32127 | 3 | X |
| K06V05V | 18.1 | 0.15 | K13B4 | 0.553   | 315.079 | 69.957  | 2.332  | 0.20001 | 2.33978 | 6 | X |
| K06V25L | 18.6 | 0.15 | K13B4 | 7.412   | 241.524 | 143.016 | 1.766  | 0.17602 | 2.32979 | 4 | X |
| K06V81Q | 17.8 | 0.15 | K13B4 | 348.547 | 171.882 | 232.203 | 5.799  | 0.09142 | 2.30617 | 7 | X |
| K06V84Z | 16.8 | 0.15 | K13B4 | 11.482  | 346.138 | 34.160  | 6.755  | 0.22863 | 2.33011 | 5 | X |
| K06VC6Q | 17.5 | 0.15 | K13B4 | 17.136  | 98.848  | 263.926 | 6.665  | 0.22921 | 2.33195 | 4 | X |
| K06VF2U | 17.7 | 0.15 | K13B4 | 15.977  | 267.076 | 103.225 | 3.737  | 0.22186 | 2.32546 | 5 | X |
| K06W88T | 18.0 | 0.15 | K13B4 | 4.561   | 2.319   | 21.904  | 4.220  | 0.26276 | 2.35102 | 5 | X |
| K06WA8K | 17.3 | 0.15 | K13B4 | 347.427 | 170.586 | 237.410 | 1.932  | 0.16806 | 2.35423 | 5 | X |
| K06WF9Z | 17.3 | 0.15 | K13B4 | 326.412 | 59.385  | 16.512  | 1.564  | 0.11548 | 2.42836 | 4 | X |
| K06X01E | 17.6 | 0.15 | K13B4 | 12.312  | 336.260 | 58.573  | 21.161 | 0.14474 | 1.77538 | 5 | X |
| K06X54P | 17.4 | 0.15 | K13B4 | 332.581 | 93.182  | 336.282 | 2.102  | 0.17468 | 2.36356 | 6 | X |
| K06X60G | 17.5 | 0.15 | K13B4 | 24.960  | 353.771 | 0.054   | 2.355  | 0.22772 | 2.41332 | 7 | X |
| K06Y01Y | 18.0 | 0.15 | K13B4 | 330.841 | 17.515  | 55.835  | 2.177  | 0.15741 | 2.36116 | 5 | X |
| K06Y34N | 18.1 | 0.15 | K13B4 | 335.980 | 47.716  | 17.924  | 4.399  | 0.17536 | 2.39733 | 4 | X |
| K07B49V | 17.3 | 0.15 | K13B4 | 263.344 | 0.539   | 144.164 | 11.328 | 0.19273 | 2.46125 | 4 | X |
| K07B74F | 17.7 | 0.15 | K13B4 | 0.254   | 113.770 | 296.356 | 5.557  | 0.09124 | 2.38810 | 7 | X |
| K07B90Q | 16.8 | 0.15 | K13B4 | 117.684 | 303.294 | 304.494 | 8.843  | 0.09726 | 2.57466 | 5 | X |
| K07C35Z | 17.5 | 0.15 | K13B4 | 353.239 | 67.585  | 332.355 | 1.972  | 0.18694 | 2.43641 | 5 | X |
| K07C37K | 16.9 | 0.15 | K13B4 | 293.966 | 116.871 | 353.438 | 1.360  | 0.14292 | 2.44659 | 5 | X |
| K07D02S | 16.8 | 0.15 | K13B4 | 357.081 | 250.861 | 133.890 | 10.056 | 0.00824 | 2.54796 | 6 | X |
| K07D05G | 17.4 | 0.15 | K13B4 | 351.442 | 310.785 | 101.012 | 5.264  | 0.19191 | 2.39095 | 4 | X |
| K07D05L | 17.6 | 0.15 | K13B4 | 340.324 | 74.485  | 335.782 | 6.475  | 0.10202 | 2.44374 | 5 | X |
| K07D18P | 16.6 | 0.15 | K13B4 | 85.831  | 110.971 | 154.269 | 16.299 | 0.26698 | 2.77212 | 4 | X |
| K07D69O | 16.8 | 0.15 | K13B4 | 73.733  | 299.896 | 344.068 | 9.482  | 0.21844 | 2.73600 | 4 | X |
| K07E07S | 15.9 | 0.15 | K13B4 | 140.738 | 218.096 | 20.680  | 13.959 | 0.11340 | 2.62492 | 5 | X |
| K07E36R | 16.1 | 0.15 | K13B4 | 167.184 | 106.072 | 103.278 | 8.198  | 0.15049 | 2.67311 | 6 | X |
| K07E73N | 16.4 | 0.15 | K13B4 | 50.787  | 313.633 | 354.877 | 16.631 | 0.22710 | 2.73834 | 3 | X |
| K07EA7P | 16.8 | 0.15 | K13B4 | 48.755  | 306.124 | 29.089  | 14.537 | 0.06374 | 2.66128 | 3 | X |
| K07EG6Q | 16.9 | 0.15 | K13B4 | 219.134 | 74.754  | 103.167 | 8.421  | 0.25302 | 2.58533 | 5 | X |
| K07EH8S | 16.3 | 0.15 | K13B4 | 312.173 | 239.933 | 202.058 | 21.471 | 0.06659 | 2.61289 | 4 | X |
| K07EL4T | 16.6 | 0.15 | K13B4 | 29.643  | 327.097 | 18.077  | 6.693  | 0.18482 | 2.66592 | 7 | X |
| K07EM2N | 17.9 | 0.15 | K13B4 | 205.910 | 163.759 | 27.215  | 21.600 | 0.05830 | 1.87206 | 4 | X |
| K07G09O | 15.7 | 0.15 | K13B4 | 108.344 | 205.701 | 66.822  | 12.283 | 0.04719 | 2.67965 | 6 | X |
| K07G40N | 16.0 | 0.15 | K13B4 | 85.199  | 254.858 | 47.165  | 12.007 | 0.05880 | 2.73123 | 5 | X |
| K07G72R | 17.7 | 0.15 | K13B4 | 173.618 | 194.690 | 23.009  | 21.927 | 0.05618 | 1.87574 | 5 | X |
| K07H83A | 15.9 | 0.15 | K13B4 | 142.423 | 169.530 | 71.224  | 12.907 | 0.03951 | 2.72020 | 4 | X |
| K07J22V | 16.4 | 0.15 | K13B4 | 179.040 | 146.621 | 49.512  | 13.012 | 0.15704 | 2.75557 | 5 | X |
| K07M13L | 20.1 | 0.15 | K13B4 | 103.963 | 139.249 | 135.544 | 18.112 | 0.08483 | 1.29727 | 3 | X |
| K07O06S | 17.1 | 0.15 | K13B4 | 5.796   | 325.844 | 40.258  | 16.111 | 0.58707 | 3.30752 | 3 | X |
| K07P26Y | 16.4 | 0.15 | K13B4 | 345.952 | 82.446  | 324.401 | 4.123  | 0.17928 | 3.20046 | 5 | X |
| K07P46M | 15.4 | 0.15 | K13B4 | 76.509  | 141.048 | 162.239 | 17.459 | 0.01237 | 3.14356 | 6 | X |
| K07Q15C | 15.7 | 0.15 | K13B4 | 4.560   | 37.598  | 337.149 | 7.960  | 0.07349 | 3.16783 | 3 | X |
| K07Q17W | 16.3 | 0.15 | K13B4 | 1.192   | 21.882  | 7.494   | 10.538 | 0.05021 | 3.14924 | 4 | X |
| K07R28X | 16.2 | 0.15 | K13B4 | 338.614 | 238.150 | 173.500 | 9.372  | 0.03931 | 3.18151 | 6 | X |
| K07R48C | 16.5 | 0.15 | K13B4 | 10.890  | 193.899 | 183.029 | 4.290  | 0.14459 | 3.24937 | 5 | X |
| K07R53N | 15.8 | 0.15 | K13B4 | 27.778  | 74.924  | 276.479 | 3.932  | 0.11984 | 3.25288 | 5 | X |
| K07R60Q | 15.6 | 0.15 | K13B4 | 46.657  | 12.001  | 313.957 | 5.052  | 0.15425 | 3.18733 | 5 | X |
| K07R69D | 15.7 | 0.15 | K13B4 | 21.088  | 1.028   | 0.078   | 11.369 | 0.03740 | 3.16713 | 5 | X |
| K07R77S | 16.5 | 0.15 | K13B4 | 45.266  | 145.216 | 180.579 | 0.599  | 0.16623 | 3.17053 | 6 | X |
| K07RM2U | 15.9 | 0.15 | K13B4 | 46.419  | 279.215 | 47.439  | 16.654 | 0.24439 | 3.16477 | 4 | X |
| K07RO2J | 15.3 | 0.15 | K13B4 | 342.653 | 52.646  | 355.874 | 17.478 | 0.17349 | 3.19212 | 4 | X |
| K07T01M | 16.2 | 0.15 | K13B4 | 34.249  | 167.610 | 166.502 | 1.525  | 0.27334 | 3.14250 | 5 | X |
| K07T20F | 15.4 | 0.15 | K13B4 | 2.003   | 39.877  | 11.544  | 11.980 | 0.06874 | 3.15096 | 5 | X |
| K07T59V | 15.7 | 0.15 | K13B4 | 294.278 | 295.295 | 172.662 | 25.950 | 0.14425 | 3.15500 | 6 | X |
| K07TC8T | 15.5 | 0.15 | K13B4 | 9.566   | 156.147 | 221.802 | 9.237  | 0.09017 | 3.38223 | 4 | X |
| K07TH4F | 15.2 | 0.15 | K13B4 | 67.769  | 275.221 | 23.254  | 14.974 | 0.09732 | 3.39839 | 3 | X |
| K07TJ3P | 16.5 | 0.15 | K13B4 | 341.425 | 50.285  | 358.074 | 7.375  | 0.17159 | 3.21576 | 3 | X |
| K07V32Y | 16.3 | 0.15 | K13B4 | 327.855 | 59.566  | 12.029  | 6.642  | 0.17148 | 3.37679 | 2 | X |
| K07W39R | 15.7 | 0.15 | K13B4 | 7.743   | 167.874 | 210.433 | 11.678 | 0.09913 | 3.41726 | 5 | X |
| K07Y54F | 18.0 | 0.15 | K13B4 | 341.011 | 35.207  | 18.131  | 4.578  | 0.07011 | 2.17631 | 6 | X |
| K08AD7S | 17.9 | 0.15 | K13B4 | 356.556 | 264.686 | 135.840 | 3.475  | 0.15169 | 2.20092 | 4 | X |
| K08B39P | 17.5 | 0.15 | K13B4 | 321.270 | 77.776  | 354.753 | 6.882  | 0.06834 | 2.20680 | 4 | X |
| K08B46A | 18.3 | 0.15 | K13B4 | 324.850 | 190.655 | 242.470 | 1.224  | 0.12749 | 2.20736 | 5 | X |
| K08C05A | 19.8 | 0.15 | K13B4 | 62.305  | 272.991 | 331.513 | 25.023 | 0.59503 | 1.86726 | 3 | X |
| K08C23R | 17.6 | 0.15 | K13B4 | 239.253 | 180.310 | 334.239 | 4.968  | 0.12097 | 2.27109 | 5 | X |
| K08C43O | 17.4 | 0.15 | K13B4 | 0.999   | 287.988 | 92.886  | 4.670  | 0.20419 | 2.27913 | 5 | X |
| K08C75Z | 17.4 | 0.15 | K13B4 | 313.495 | 74.835  | 6.562   | 8.105  | 0.09141 | 2.27284 | 3 | X |
| K08CD2A | 17.6 | 0.15 | K13B4 | 303.696 | 111.519 | 346.035 | 4.958  | 0.10433 | 2.23107 | 4 | X |

|         |      |      |       |         |         |         |        |         |         |   |   |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|---|---|
| K08CH9F | 17.0 | 0.15 | K13B4 | 212.506 | 99.787  | 78.686  | 7.712  | 0.14731 | 2.30431 | 4 | X |
| K08D750 | 17.1 | 0.15 | K13B4 | 76.174  | 310.702 | 349.934 | 6.432  | 0.11377 | 2.35581 | 6 | X |
| K08E70C | 17.8 | 0.15 | K13B4 | 294.885 | 191.249 | 273.950 | 4.729  | 0.14743 | 2.20981 | 4 | X |
| K08F50D | 17.2 | 0.15 | K13B4 | 94.243  | 259.538 | 20.018  | 6.791  | 0.11427 | 2.44278 | 6 | X |
| K08F57N | 17.1 | 0.15 | K13B4 | 57.517  | 151.294 | 158.114 | 2.960  | 0.21805 | 2.56116 | 6 | X |
| K08F83E | 17.0 | 0.15 | K13B4 | 40.266  | 191.344 | 153.764 | 5.387  | 0.12247 | 2.41040 | 5 | X |
| K08FD7N | 17.6 | 0.15 | K13B4 | 296.970 | 246.425 | 206.566 | 13.800 | 0.06640 | 2.40265 | 3 | X |
| K08G09L | 17.1 | 0.15 | K13B4 | 33.163  | 297.117 | 37.702  | 12.937 | 0.28711 | 2.58434 | 4 | X |
| K08G46Z | 17.6 | 0.15 | K13B4 | 253.161 | 33.404  | 100.866 | 7.613  | 0.07928 | 2.41491 | 4 | X |
| K08G69Q | 17.1 | 0.15 | K13B4 | 167.461 | 112.602 | 96.196  | 7.862  | 0.12364 | 2.46428 | 5 | X |
| K08GB6C | 17.6 | 0.15 | K13B4 | 256.559 | 27.174  | 113.233 | 5.562  | 0.10521 | 2.34809 | 5 | X |
| K08GB7N | 17.1 | 0.15 | K13B4 | 48.468  | 179.698 | 144.441 | 5.480  | 0.22659 | 2.55213 | 5 | X |
| K08GD9R | 17.4 | 0.15 | K13B4 | 323.439 | 44.532  | 33.007  | 6.473  | 0.08972 | 2.34493 | 4 | X |
| K08GE1V | 13.6 | 0.15 | K13B4 | 298.189 | 319.794 | 131.286 | 12.731 | 0.04919 | 5.25939 | 7 | X |
| K08H38B | 21.2 | 0.15 | K13B4 | 31.518  | 209.396 | 102.660 | 1.021  | 0.49239 | 1.85397 | 4 | X |
| K08H46Z | 16.9 | 0.15 | K13B4 | 122.018 | 188.761 | 53.729  | 14.426 | 0.18579 | 2.54165 | 4 | X |
| K08H51P | 16.7 | 0.15 | K13B4 | 29.473  | 113.034 | 225.647 | 15.557 | 0.26071 | 2.61519 | 5 | X |
| K08H54J | 16.6 | 0.15 | K13B4 | 318.016 | 1.692   | 72.183  | 7.267  | 0.08765 | 2.42511 | 5 | X |
| K08J22J | 16.3 | 0.15 | K13B4 | 91.240  | 305.768 | 295.924 | 11.825 | 0.21103 | 2.61565 | 7 | X |
| K08K05Z | 20.0 | 0.15 | K13B4 | 23.749  | 194.198 | 142.700 | 8.374  | 0.45311 | 1.84114 | 2 | X |
| K08K34P | 17.3 | 0.15 | K13B4 | 116.506 | 98.879  | 157.447 | 13.249 | 0.14238 | 2.53980 | 3 | X |
| K08K36Z | 17.2 | 0.15 | K13B4 | 38.367  | 128.423 | 207.535 | 14.489 | 0.15507 | 2.59331 | 3 | X |
| K08L08T | 16.1 | 0.15 | K13B4 | 45.496  | 43.553  | 269.897 | 12.087 | 0.18493 | 2.76664 | 3 | X |
| K08O01L | 16.3 | 0.15 | K13B4 | 45.964  | 356.561 | 323.779 | 7.440  | 0.21367 | 2.77907 | 6 | X |
| K08O03U | 16.5 | 0.15 | K13B4 | 39.300  | 172.019 | 165.373 | 5.459  | 0.16647 | 2.76513 | 4 | X |
| K08P06M | 16.9 | 0.15 | K13B4 | 13.807  | 86.071  | 284.886 | 3.452  | 0.16656 | 2.77840 | 5 | X |
| K08P07H | 16.6 | 0.15 | K13B4 | 42.861  | 65.358  | 260.112 | 6.652  | 0.21085 | 2.77235 | 6 | X |
| K08P10Z | 16.4 | 0.15 | K13B4 | 33.666  | 333.517 | 5.951   | 18.050 | 0.22644 | 2.73885 | 5 | X |
| K08P16S | 16.3 | 0.15 | K13B4 | 42.064  | 147.522 | 182.737 | 9.905  | 0.24757 | 2.80268 | 5 | X |
| K08Q21M | 16.2 | 0.15 | K13B4 | 336.872 | 90.651  | 314.016 | 13.910 | 0.15062 | 2.85946 | 4 | X |
| K08Q33T | 16.2 | 0.15 | K13B4 | 0.966   | 220.955 | 172.497 | 8.592  | 0.08393 | 2.79981 | 7 | X |
| K08Q36B | 16.3 | 0.15 | K13B4 | 74.911  | 313.289 | 344.996 | 7.911  | 0.13896 | 2.79143 | 4 | X |
| K08Q39T | 17.0 | 0.15 | K13B4 | 359.975 | 152.254 | 235.402 | 1.025  | 0.07873 | 2.87214 | 6 | X |
| K08RD1Z | 16.0 | 0.15 | K13B4 | 19.892  | 254.758 | 115.002 | 5.078  | 0.12150 | 2.80113 | 6 | X |
| K08S21L | 16.8 | 0.15 | K13B4 | 323.630 | 140.884 | 321.487 | 4.939  | 0.21034 | 2.68711 | 4 | X |
| K08S30J | 16.5 | 0.15 | K13B4 | 22.082  | 188.631 | 174.839 | 9.452  | 0.19969 | 2.77879 | 5 | X |
| K08SA1U | 16.4 | 0.15 | K13B4 | 32.495  | 135.505 | 215.192 | 4.849  | 0.06545 | 2.96969 | 5 | X |
| K08SJ60 | 18.4 | 0.15 | K13B4 | 347.987 | 24.285  | 24.409  | 21.082 | 0.12211 | 1.85402 | 2 | X |
| K08SO9T | 16.3 | 0.15 | K13B4 | 58.343  | 89.313  | 226.935 | 8.611  | 0.05105 | 2.90675 | 5 | X |
| K08SP1E | 17.0 | 0.15 | K13B4 | 57.603  | 142.316 | 183.531 | 1.746  | 0.06983 | 2.91836 | 4 | X |
| K08SP5M | 15.8 | 0.15 | K13B4 | 68.822  | 67.029  | 241.786 | 10.512 | 0.08831 | 2.96506 | 4 | X |
| K08SQ50 | 15.9 | 0.15 | K13B4 | 338.779 | 170.232 | 233.288 | 8.008  | 0.04972 | 3.04107 | 5 | X |
| K08SQ8Z | 17.3 | 0.15 | K13B4 | 13.324  | 109.991 | 258.290 | 7.217  | 0.24812 | 2.90979 | 3 | X |
| K08SS6Z | 16.0 | 0.15 | K13B4 | 340.225 | 103.321 | 296.283 | 8.233  | 0.13525 | 2.98488 | 5 | X |
| K08SU5N | 16.5 | 0.15 | K13B4 | 17.670  | 309.348 | 49.192  | 14.736 | 0.14170 | 2.98386 | 3 | X |
| K08SU8P | 15.7 | 0.15 | K13B4 | 10.314  | 36.116  | 327.107 | 11.749 | 0.14828 | 2.99417 | 5 | X |
| K08T01A | 18.7 | 0.15 | K13B4 | 270.888 | 145.602 | 22.078  | 14.833 | 0.44841 | 1.39637 | 4 | X |
| K08TCOB | 16.4 | 0.15 | K13B4 | 62.444  | 99.797  | 213.893 | 10.840 | 0.10323 | 2.91464 | 4 | X |
| K08TD6A | 17.0 | 0.15 | K13B4 | 7.016   | 156.745 | 217.981 | 9.897  | 0.15409 | 2.97108 | 3 | X |
| K08TH7Z | 15.4 | 0.15 | K13B4 | 309.024 | 271.184 | 178.833 | 16.382 | 0.18630 | 3.08019 | 4 | X |
| K08TI8M | 17.1 | 0.15 | K13B4 | 5.120   | 141.681 | 237.501 | 13.658 | 0.18258 | 2.93204 | 3 | X |
| K08U34C | 16.3 | 0.15 | K13B4 | 129.269 | 185.607 | 58.564  | 13.344 | 0.08747 | 3.09022 | 4 | X |
| K08U38M | 16.2 | 0.15 | K13B4 | 335.615 | 12.004  | 39.135  | 9.642  | 0.13097 | 3.06031 | 4 | X |
| K08U73P | 16.1 | 0.15 | K13B4 | 241.730 | 110.302 | 43.483  | 26.556 | 0.17067 | 3.17161 | 3 | X |
| K08U74L | 15.3 | 0.15 | K13B4 | 347.221 | 137.421 | 262.354 | 9.561  | 0.06385 | 3.08534 | 5 | X |
| K08U83P | 16.2 | 0.15 | K13B4 | 11.148  | 106.569 | 261.677 | 7.278  | 0.11113 | 2.94107 | 5 | X |
| K08U90N | 19.9 | 0.15 | K13B4 | 35.896  | 312.998 | 33.552  | 17.545 | 0.12561 | 1.40445 | 4 | X |
| K08UB7G | 16.2 | 0.15 | K13B4 | 25.644  | 100.789 | 257.299 | 8.326  | 0.02541 | 3.03237 | 4 | X |
| K08UC9S | 16.1 | 0.15 | K13B4 | 15.675  | 120.739 | 223.911 | 13.471 | 0.10659 | 3.09404 | 4 | X |
| K08UG2E | 16.6 | 0.15 | K13B4 | 0.364   | 106.542 | 273.423 | 3.389  | 0.11968 | 2.99722 | 2 | X |
| K08UG9S | 15.6 | 0.15 | K13B4 | 181.656 | 133.936 | 62.355  | 13.083 | 0.08787 | 3.12040 | 5 | X |
| K08UJ3J | 16.3 | 0.15 | K13B4 | 3.743   | 313.675 | 62.528  | 9.722  | 0.15096 | 3.00755 | 5 | X |
| K08UJ5Y | 15.9 | 0.15 | K13B4 | 340.801 | 168.619 | 235.151 | 14.523 | 0.06712 | 3.13925 | 4 | X |
| K08UL4G | 16.1 | 0.15 | K13B4 | 331.411 | 62.455  | 356.377 | 10.769 | 0.08145 | 2.97033 | 5 | X |
| K08UL5K | 15.3 | 0.15 | K13B4 | 314.704 | 167.546 | 253.147 | 11.008 | 0.01845 | 3.07903 | 2 | X |
| K08UM7A | 16.3 | 0.15 | K13B4 | 313.473 | 24.490  | 49.280  | 16.684 | 0.08599 | 3.12666 | 3 | X |
| K08UO2D | 16.1 | 0.15 | K13B4 | 307.847 | 125.226 | 327.037 | 8.147  | 0.10946 | 3.04581 | 4 | X |
| K08US9G | 16.0 | 0.15 | K13B4 | 333.941 | 335.355 | 74.639  | 13.710 | 0.07587 | 3.14285 | 4 | X |
| K08UV2V | 15.5 | 0.15 | K13B4 | 33.933  | 47.975  | 294.272 | 8.490  | 0.10811 | 3.09379 | 5 | X |
| K08UZ4A | 15.9 | 0.15 | K13B4 | 331.841 | 173.373 | 238.881 | 9.707  | 0.04310 | 3.15585 | 5 | X |
| K08UZ7F | 16.4 | 0.15 | K13B4 | 351.954 | 17.729  | 24.093  | 6.459  | 0.11810 | 3.03052 | 3 | X |
| K08Ua9Q | 16.8 | 0.15 | K13B4 | 15.923  | 86.661  | 272.399 | 3.966  | 0.14273 | 3.10860 | 3 | X |
| K08V00N | 16.8 | 0.15 | K13B4 | 0.548   | 277.196 | 59.988  | 12.917 | 0.64416 | 3.04918 | 3 | X |
| K08V10N | 15.9 | 0.15 | K13B4 | 71.675  | 227.032 | 70.915  | 12.726 | 0.14093 | 3.07339 | 4 | X |
| K08V12D | 16.0 | 0.15 | K13B4 | 41.309  | 118.010 | 213.743 | 14.616 | 0.15451 | 3.05609 | 5 | X |
| K08V34O | 16.3 | 0.15 | K13B4 | 344.585 | 325.047 | 75.307  | 10.401 | 0.11016 | 3.06338 | 4 | X |
| K08V40Z | 15.7 | 0.15 | K13B4 | 30.909  | 330.325 | 18.788  | 9.720  | 0.08095 | 3.05396 | 4 | X |
| K08V44P | 17.1 | 0.15 | K13B4 | 44.543  | 102.916 | 203.206 | 13.677 | 0.32522 | 3.06038 | 5 | X |
| K08V71N | 15.9 | 0.15 | K13B4 | 346.372 | 82.094  | 329.796 | 16.795 | 0.33839 | 3.09653 | 3 | X |
| K08V74E | 16.0 | 0.15 | K13B4 | 111.448 | 191.816 | 74.543  | 10.642 | 0.05340 | 3.17090 | 3 | X |
| K08V76Y | 15.5 | 0.15 | K13B4 | 145.367 | 140.824 | 88.786  | 10.134 | 0.05372 | 3.16949 | 4 | X |
| K08V77B | 15.8 | 0.15 | K13B4 | 8.916   | 275.482 | 93.005  | 10.241 | 0.07642 | 3.16167 | 5 | X |
| K08V77E | 16.0 | 0.15 | K13B4 | 275.962 | 17.046  | 91.133  | 9.500  | 0.03209 | 3.12045 | 4 | X |
| K08W11X | 16.4 | 0.15 | K13B4 | 15.678  | 192.753 | 173.442 | 1.539  | 0.18683 | 3.01412 | 3 | X |
| K08W22R | 16.2 | 0.15 | K13B4 | 324.414 | 180.011 | 238.192 | 4.530  | 0.16371 | 3.07300 | 2 | X |
| K08W41Y | 16.4 | 0.15 | K13B4 | 330.873 | 46.472  | 19.775  | 2.587  | 0.15695 | 3.06244 | 6 | X |
| K08W47Y | 15.4 | 0.15 | K13B4 | 204.276 | 116.947 | 74.795  | 9.858  | 0.01967 | 3.12480 | 4 | X |
| K08W64G | 16.1 | 0.15 | K13B4 | 352.786 | 154.076 | 264.278 | 9.086  | 0.16962 | 2.97524 | 5 | X |
| K08W66V | 16.0 | 0.15 | K13B4 | 329.924 | 351.005 | 73.298  | 11.100 | 0.12522 | 3.07107 | 4 | X |
| K08W92D | 15.8 | 0.15 | K13B4 | 311.501 | 190.179 | 243.700 | 7.982  | 0.04110 | 3.11685 | 5 | X |
| K08WA3L | 15.7 | 0.15 | K13B4 | 254.816 | 268.002 | 225.797 | 12.829 | 0.07409 | 3.05459 | 5 | X |
| K08WD1A | 16.4 | 0.15 | K13B4 | 46.033  | 264.386 | 69.925  | 12.549 | 0.05561 | 3.17851 | 3 | X |
| K08X02P | 18.5 | 0.15 | K13B4 | 339.047 | 0.900   | 58.745  | 23.242 | 0.34681 | 1.88847 | 3 | X |
| K08X17L | 15.9 | 0.15 | K13B4 | 342.483 | 197.451 | 211.857 | 3.882  | 0.12044 | 3.10944 | 6 | X |
| K08X290 | 14.7 | 0.15 | K13B4 | 334.078 | 31.141  | 44.227  | 20.180 | 0.21859 | 3.19020 | 6 | X |
| K08Y050 | 16.3 | 0.15 | K13B4 | 335.268 | 301.363 | 126.307 | 4.190  | 0.22744 | 3.06044 | 4 | X |
| K08Y27X | 16.0 | 0.15 | K13B4 | 354.328 | 313.760 | 70.730  | 5.495  | 0.13003 | 3.14339 | 5 | X |



|         |      |      |       |         |         |         |        |         |         |   |   |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|---|---|
| K08YB0R | 16.9 | 0.15 | K13B4 | 345.973 | 15.898  | 39.077  | 3.218  | 0.26631 | 3.02993 | 4 | X |
| K08YF3E | 16.5 | 0.15 | K13B4 | 337.954 | 117.346 | 311.285 | 3.285  | 0.28675 | 3.09691 | 3 | X |
| K09C39O | 16.1 | 0.15 | K13B4 | 309.563 | 172.489 | 281.088 | 8.844  | 0.16262 | 3.09873 | 3 | X |
| K09K00Q | 17.1 | 0.15 | K13B4 | 59.680  | 106.484 | 209.357 | 6.864  | 0.16624 | 2.23994 | 7 | X |
| K09K06Z | 18.4 | 0.15 | K13B4 | 83.897  | 155.917 | 130.869 | 7.734  | 0.15274 | 2.22478 | 3 | X |
| K09M08Y | 17.5 | 0.15 | K13B4 | 90.933  | 146.589 | 117.128 | 7.182  | 0.25732 | 2.34707 | 4 | X |
| K09O04Y | 17.0 | 0.15 | K13B4 | 47.898  | 171.070 | 152.365 | 2.601  | 0.21820 | 2.40656 | 5 | X |
| K09O13K | 17.7 | 0.15 | K13B4 | 43.465  | 177.427 | 146.258 | 2.688  | 0.17795 | 2.41952 | 5 | X |
| K09O25E | 16.6 | 0.15 | K13B4 | 42.000  | 341.284 | 340.793 | 8.510  | 0.24724 | 2.42440 | 6 | X |
| K09P13Z | 16.8 | 0.15 | K13B4 | 79.882  | 313.552 | 323.956 | 6.065  | 0.24491 | 2.41897 | 5 | X |
| K09P21E | 17.5 | 0.15 | K13B4 | 36.013  | 88.806  | 249.657 | 3.926  | 0.19055 | 2.42268 | 4 | X |
| K09Q09E | 16.5 | 0.15 | K13B4 | 52.783  | 95.246  | 215.700 | 10.404 | 0.21991 | 2.45086 | 5 | X |
| K09Q53K | 18.1 | 0.15 | K13B4 | 334.714 | 159.472 | 267.200 | 1.466  | 0.17944 | 2.43234 | 5 | X |
| K09R13K | 17.6 | 0.15 | K13B4 | 322.296 | 22.692  | 63.443  | 1.289  | 0.17748 | 2.48313 | 6 | X |
| K09R19F | 17.7 | 0.15 | K13B4 | 18.709  | 72.659  | 270.602 | 3.883  | 0.25192 | 2.54986 | 3 | X |
| K09S01K | 18.3 | 0.15 | K13B4 | 75.062  | 104.402 | 184.425 | 30.813 | 0.22291 | 1.61102 | 3 | X |
| K09S05N | 17.5 | 0.15 | K13B4 | 9.661   | 133.880 | 240.677 | 4.423  | 0.28183 | 2.47532 | 2 | X |
| K09S15G | 17.5 | 0.15 | K13B4 | 30.789  | 302.953 | 42.528  | 4.375  | 0.22259 | 2.42904 | 5 | X |
| K09S19D | 18.7 | 0.15 | K13B4 | 25.019  | 169.089 | 180.900 | 2.046  | 0.27080 | 2.47497 | 3 | X |
| K09S35H | 16.9 | 0.15 | K13B4 | 4.812   | 13.396  | 8.460   | 13.479 | 0.09388 | 2.53326 | 4 | X |
| K09S41L | 18.1 | 0.15 | K13B4 | 337.070 | 108.020 | 313.222 | 0.593  | 0.17379 | 2.46197 | 4 | X |
| K09S59V | 16.4 | 0.15 | K13B4 | 133.787 | 248.600 | 347.029 | 8.812  | 0.15920 | 2.55170 | 2 | X |
| K09S77F | 17.0 | 0.15 | K13B4 | 32.550  | 229.879 | 115.892 | 5.087  | 0.06519 | 2.56892 | 6 | X |
| K09SB0Y | 18.8 | 0.15 | K13B4 | 17.716  | 135.461 | 221.018 | 3.745  | 0.25175 | 2.45391 | 2 | X |
| K09SC5N | 17.1 | 0.15 | K13B4 | 58.867  | 334.743 | 342.322 | 6.019  | 0.11930 | 2.51387 | 6 | X |
| K09SC7V | 16.5 | 0.15 | K13B4 | 352.126 | 65.225  | 311.414 | 12.237 | 0.21350 | 2.60988 | 3 | X |
| K09SD4Y | 17.5 | 0.15 | K13B4 | 37.871  | 337.229 | 3.878   | 5.458  | 0.13125 | 2.52802 | 5 | X |
| K09SD8J | 16.7 | 0.15 | K13B4 | 96.846  | 78.162  | 200.831 | 14.543 | 0.08470 | 2.55656 | 5 | X |
| K09SF2X | 17.4 | 0.15 | K13B4 | 334.137 | 223.007 | 204.842 | 3.708  | 0.20665 | 2.44579 | 5 | X |
| K09SM8Z | 17.7 | 0.15 | K13B4 | 348.556 | 27.819  | 17.167  | 12.222 | 0.19534 | 2.55341 | 2 | X |
| K09SS5E | 17.1 | 0.15 | K13B4 | 330.764 | 63.927  | 359.681 | 8.934  | 0.07621 | 2.45328 | 4 | X |
| K09SX7L | 16.6 | 0.15 | K13B4 | 326.659 | 351.061 | 91.408  | 6.342  | 0.13932 | 2.46412 | 6 | X |
| K09SZ8Y | 17.7 | 0.15 | K13B4 | 291.718 | 315.205 | 151.718 | 1.700  | 0.13415 | 2.47282 | 4 | X |
| K09Sa1D | 16.8 | 0.15 | K13B4 | 20.575  | 346.634 | 10.250  | 13.864 | 0.19344 | 2.55442 | 2 | X |
| K09T07U | 17.2 | 0.15 | K13B4 | 50.155  | 316.545 | 354.331 | 5.571  | 0.22931 | 2.43130 | 4 | X |
| K09T12B | 16.5 | 0.15 | K13B4 | 17.268  | 310.956 | 47.922  | 12.437 | 0.17441 | 2.60519 | 3 | X |
| K09T14M | 16.8 | 0.15 | K13B4 | 350.850 | 14.544  | 41.040  | 16.500 | 0.24122 | 2.54278 | 5 | X |
| K09T35N | 17.5 | 0.15 | K13B4 | 3.857   | 307.476 | 55.447  | 5.957  | 0.28326 | 2.61662 | 4 | X |
| K09T39T | 16.5 | 0.15 | K13B4 | 38.878  | 100.433 | 222.330 | 12.845 | 0.09688 | 2.63923 | 4 | X |
| K09U84T | 17.7 | 0.15 | K13B4 | 24.906  | 248.353 | 96.164  | 3.376  | 0.21521 | 2.62661 | 3 | X |
| K09U87O | 16.3 | 0.15 | K13B4 | 34.564  | 109.870 | 235.398 | 13.740 | 0.13166 | 2.59983 | 5 | X |
| K09U88J | 17.5 | 0.15 | K13B4 | 1.627   | 161.701 | 210.217 | 13.476 | 0.26845 | 2.60388 | 2 | X |
| K09U89Q | 17.7 | 0.15 | K13B4 | 22.965  | 358.527 | 350.003 | 4.372  | 0.29752 | 2.55508 | 2 | X |
| K09U92H | 16.9 | 0.15 | K13B4 | 3.156   | 332.221 | 54.322  | 4.687  | 0.20722 | 2.60431 | 7 | X |
| K09UA7Q | 17.3 | 0.15 | K13B4 | 24.877  | 106.839 | 244.453 | 4.769  | 0.10505 | 2.67015 | 3 | X |
| K09UB0Y | 17.1 | 0.15 | K13B4 | 358.632 | 145.671 | 228.710 | 5.262  | 0.15061 | 2.67545 | 3 | X |
| K09UC3R | 16.5 | 0.15 | K13B4 | 4.305   | 166.536 | 198.596 | 14.611 | 0.19015 | 2.61884 | 4 | X |
| K09UD6R | 16.7 | 0.15 | K13B4 | 0.400   | 180.864 | 207.236 | 12.699 | 0.16378 | 2.59491 | 5 | X |
| K09UD6X | 16.5 | 0.15 | K13B4 | 0.672   | 328.682 | 56.291  | 13.813 | 0.16756 | 2.59219 | 3 | X |
| K09UE6U | 16.7 | 0.15 | K13B4 | 51.484  | 79.438  | 236.365 | 11.204 | 0.18634 | 2.61257 | 5 | X |
| K09V16Z | 17.4 | 0.15 | K13B4 | 356.687 | 346.974 | 48.516  | 2.526  | 0.16405 | 2.62930 | 4 | X |
| K09V18W | 17.0 | 0.15 | K13B4 | 333.575 | 98.657  | 325.247 | 2.093  | 0.17209 | 2.59843 | 5 | X |
| K09V23N | 16.8 | 0.15 | K13B4 | 353.608 | 181.589 | 217.108 | 5.326  | 0.25160 | 2.60696 | 2 | X |
| K09V43K | 18.3 | 0.15 | K13B4 | 352.256 | 61.012  | 342.905 | 4.251  | 0.32599 | 2.57211 | 2 | X |
| K09V62S | 16.4 | 0.15 | K13B4 | 276.091 | 251.155 | 236.051 | 7.004  | 0.15063 | 2.68499 | 4 | X |
| K09V72D | 17.4 | 0.15 | K13B4 | 328.720 | 272.588 | 183.678 | 6.850  | 0.33708 | 2.55290 | 3 | X |
| K09V72G | 17.1 | 0.15 | K13B4 | 17.345  | 232.814 | 136.815 | 5.142  | 0.26917 | 2.54880 | 6 | X |
| K09V75Z | 17.0 | 0.15 | K13B4 | 40.052  | 135.416 | 191.409 | 3.500  | 0.29071 | 2.59690 | 5 | X |
| K09V91U | 16.5 | 0.15 | K13B4 | 329.140 | 241.317 | 190.923 | 11.055 | 0.15910 | 2.60421 | 5 | X |
| K09VA9C | 17.2 | 0.15 | K13B4 | 341.266 | 50.642  | 1.497   | 4.607  | 0.09665 | 2.58280 | 5 | X |
| K09W09P | 16.3 | 0.15 | K13B4 | 12.912  | 284.843 | 78.373  | 9.798  | 0.14686 | 2.63428 | 5 | X |
| K09W28L | 17.0 | 0.15 | K13B4 | 2.935   | 109.667 | 275.402 | 0.980  | 0.11284 | 2.63091 | 5 | X |
| K09W47H | 16.7 | 0.15 | K13B4 | 327.604 | 237.055 | 206.566 | 12.606 | 0.22695 | 2.61128 | 4 | X |
| K09W52Y | 15.9 | 0.15 | K13B4 | 280.194 | 226.255 | 243.993 | 13.071 | 0.06892 | 2.70700 | 6 | X |
| K09W68H | 16.6 | 0.15 | K13B4 | 356.016 | 170.917 | 218.499 | 12.612 | 0.04728 | 2.65915 | 5 | X |
| K09W71P | 16.5 | 0.15 | K13B4 | 21.493  | 126.161 | 234.257 | 10.191 | 0.09705 | 2.65654 | 4 | X |
| K09W75W | 17.0 | 0.15 | K13B4 | 16.494  | 265.029 | 96.013  | 6.500  | 0.09407 | 2.69132 | 6 | X |
| K09W84O | 17.9 | 0.15 | K13B4 | 4.247   | 65.942  | 313.257 | 3.256  | 0.26228 | 2.59944 | 3 | X |
| K09W87R | 16.7 | 0.15 | K13B4 | 354.697 | 17.533  | 20.204  | 4.797  | 0.09325 | 2.63964 | 5 | X |
| K09WA3H | 17.3 | 0.15 | K13B4 | 346.281 | 345.506 | 75.364  | 6.791  | 0.26564 | 2.59173 | 3 | X |
| K09WB3B | 16.9 | 0.15 | K13B4 | 279.121 | 243.867 | 234.659 | 13.429 | 0.12502 | 2.69007 | 4 | X |
| K09WB4B | 17.3 | 0.15 | K13B4 | 11.377  | 141.799 | 213.968 | 12.921 | 0.27662 | 2.63770 | 3 | X |
| K09WC5L | 17.1 | 0.15 | K13B4 | 45.991  | 83.052  | 235.633 | 4.106  | 0.16863 | 2.72231 | 3 | X |
| K09WD6T | 17.3 | 0.15 | K13B4 | 337.883 | 117.267 | 298.184 | 1.645  | 0.10653 | 2.60763 | 4 | X |
| K09WF2Q | 17.2 | 0.15 | K13B4 | 41.754  | 41.519  | 302.805 | 5.804  | 0.25022 | 2.52854 | 3 | X |
| K09WF9B | 16.9 | 0.15 | K13B4 | 350.595 | 180.823 | 224.250 | 6.880  | 0.17784 | 2.63553 | 4 | X |
| K09WG8B | 17.4 | 0.15 | K13B4 | 330.308 | 351.770 | 80.028  | 5.037  | 0.13348 | 2.60861 | 5 | X |
| K09WH0B | 16.4 | 0.15 | K13B4 | 25.491  | 311.302 | 51.295  | 13.023 | 0.14326 | 2.62619 | 5 | X |
| K09WI0J | 17.0 | 0.15 | K13B4 | 34.647  | 152.355 | 191.925 | 2.601  | 0.16562 | 2.65814 | 5 | X |
| K09W10M | 16.7 | 0.15 | K13B4 | 260.067 | 58.641  | 87.193  | 9.737  | 0.21713 | 2.74380 | 4 | X |
| K09WJ4K | 16.7 | 0.15 | K13B4 | 26.312  | 128.479 | 225.278 | 16.111 | 0.10672 | 2.64085 | 3 | X |
| K09WK0M | 17.1 | 0.15 | K13B4 | 17.250  | 140.549 | 224.418 | 5.772  | 0.09963 | 2.68345 | 6 | X |
| K09WK3W | 16.4 | 0.15 | K13B4 | 274.714 | 38.050  | 75.586  | 10.437 | 0.04696 | 2.74601 | 6 | X |
| K09WL7S | 17.7 | 0.15 | K13B4 | 352.274 | 136.248 | 263.665 | 3.612  | 0.21280 | 2.60800 | 3 | X |
| K09WN3J | 16.8 | 0.15 | K13B4 | 324.824 | 268.500 | 174.420 | 7.155  | 0.16455 | 2.62160 | 7 | X |
| K09WPOH | 17.1 | 0.15 | K13B4 | 5.060   | 104.657 | 262.233 | 6.839  | 0.25534 | 2.64112 | 3 | X |
| K09WP7G | 17.0 | 0.15 | K13B4 | 4.157   | 321.660 | 63.245  | 5.253  | 0.17024 | 2.62937 | 6 | X |
| K09WQ3B | 16.4 | 0.15 | K13B4 | 310.164 | 172.462 | 273.645 | 4.177  | 0.08864 | 2.73200 | 6 | X |
| K09Y06K | 15.2 | 0.15 | K13B4 | 328.601 | 77.684  | 345.321 | 26.149 | 0.23126 | 3.05016 | 2 | X |
| K10A23H | 15.7 | 0.15 | K13B4 | 177.730 | 281.862 | 289.217 | 8.046  | 0.01375 | 3.01037 | 6 | X |
| K10A33B | 16.3 | 0.15 | K13B4 | 319.088 | 103.761 | 325.464 | 7.510  | 0.09127 | 2.92874 | 6 | X |
| K10A33K | 15.3 | 0.15 | K13B4 | 87.148  | 317.135 | 323.513 | 11.843 | 0.04628 | 3.18945 | 5 | X |
| K10A73V | 16.2 | 0.15 | K13B4 | 274.284 | 15.141  | 103.621 | 11.395 | 0.05605 | 2.78396 | 5 | X |
| K10AA3Y | 15.9 | 0.15 | K13B4 | 293.793 | 287.156 | 188.124 | 26.436 | 0.26291 | 3.04423 | 3 | X |
| K10B04Y | 16.1 | 0.15 | K13B4 | 225.893 | 25.485  | 132.044 | 11.485 | 0.04518 | 3.10243 | 4 | X |
| K10B46R | 15.5 | 0.15 | K13B4 | 306.021 | 59.425  | 46.372  | 10.502 | 0.20619 | 3.13139 | 5 | X |
| K10C02H | 16.3 | 0.15 | K13B4 | 320.297 | 284.172 | 142.367 | 12.120 | 0.06436 | 3.10020 | 6 | X |

|         |      |      |       |         |         |         |        |         |         |     |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|-----|
| K10C11X | 15.6 | 0.15 | K13B4 | 294.218 | 168.819 | 276.360 | 8.445  | 0.07806 | 3.11017 | 5 X |
| K10C20A | 16.2 | 0.15 | K13B4 | 223.912 | 22.027  | 146.218 | 14.463 | 0.14201 | 3.12418 | 6 X |
| K10C35A | 16.4 | 0.15 | K13B4 | 333.553 | 309.403 | 120.325 | 9.592  | 0.25304 | 2.89427 | 4 X |
| K10C56T | 15.5 | 0.15 | K13B4 | 269.472 | 149.251 | 329.799 | 23.369 | 0.08403 | 3.09409 | 3 X |
| K10C85K | 16.5 | 0.15 | K13B4 | 264.374 | 343.531 | 154.000 | 11.520 | 0.18345 | 3.04113 | 4 X |
| K10CB5L | 16.3 | 0.15 | K13B4 | 340.869 | 65.324  | 344.109 | 10.229 | 0.10539 | 3.03411 | 4 X |
| K10CE9K | 16.0 | 0.15 | K13B4 | 13.209  | 60.042  | 313.101 | 5.443  | 0.06527 | 2.97974 | 6 X |
| K10CI3V | 15.8 | 0.15 | K13B4 | 326.215 | 63.501  | 28.972  | 15.551 | 0.03920 | 3.04147 | 5 X |
| K10CI4A | 16.1 | 0.15 | K13B4 | 248.007 | 66.513  | 92.345  | 14.958 | 0.28840 | 3.06947 | 5 X |
| K10D38S | 15.8 | 0.15 | K13B4 | 299.210 | 104.880 | 347.815 | 11.895 | 0.10725 | 3.14472 | 4 X |
| K10E43L | 16.5 | 0.15 | K13B4 | 338.996 | 86.869  | 327.348 | 10.463 | 0.29818 | 2.76605 | 3 X |
| K10ED3G | 16.1 | 0.15 | K13B4 | 326.346 | 68.428  | 14.056  | 26.755 | 0.24615 | 3.06210 | 3 X |
| K10G06Y | 19.3 | 0.15 | K13B4 | 46.184  | 115.956 | 204.718 | 21.906 | 0.23439 | 1.28675 | 2 X |
| K10G24P | 16.3 | 0.15 | K13B4 | 333.692 | 64.335  | 1.154   | 8.107  | 0.17937 | 3.10603 | 6 X |
| K10G28U | 14.2 | 0.15 | K13B4 | 149.415 | 138.783 | 81.667  | 11.730 | 0.09904 | 3.98913 | 4 X |
| K10G74B | 16.3 | 0.15 | K13B4 | 285.576 | 287.530 | 214.178 | 30.353 | 0.34972 | 2.75720 | 4 X |
| K10J39P | 18.2 | 0.15 | K13B4 | 56.353  | 108.559 | 201.898 | 20.533 | 0.08110 | 1.89972 | 4 X |
| K10T54N | 19.3 | 0.15 | K13B4 | 28.110  | 34.662  | 283.545 | 4.734  | 0.44474 | 2.10828 | 3 X |
| K10U07U | 17.8 | 0.15 | K13B4 | 51.054  | 10.072  | 288.493 | 5.668  | 0.36323 | 2.15380 | 3 X |
| K10U56U | 18.7 | 0.15 | K13B4 | 12.056  | 103.427 | 270.542 | 1.603  | 0.17975 | 2.14190 | 4 X |
| K10U72U | 17.3 | 0.15 | K13B4 | 16.823  | 358.125 | 10.905  | 3.979  | 0.12422 | 2.15841 | 5 X |
| K10V01D | 22.1 | 0.15 | K13B4 | 23.652  | 296.380 | 26.303  | 5.996  | 0.54266 | 2.09052 | 2 X |
| K10V16S | 18.1 | 0.15 | K13B4 | 61.863  | 21.055  | 296.122 | 4.838  | 0.05698 | 2.13060 | 4 X |
| K10VB2L | 17.8 | 0.15 | K13B4 | 15.844  | 140.886 | 224.219 | 5.648  | 0.14276 | 2.16719 | 4 X |
| K10X17K | 17.6 | 0.15 | K13B4 | 293.939 | 359.128 | 98.822  | 6.958  | 0.06508 | 2.31897 | 5 X |
| K10X63B | 17.7 | 0.15 | K13B4 | 320.152 | 181.311 | 251.271 | 3.924  | 0.10076 | 2.28872 | 6 X |
| K11A46G | 16.4 | 0.15 | K13B4 | 168.324 | 74.649  | 136.519 | 14.008 | 0.08612 | 2.63070 | 6 X |
| K11A65P | 16.9 | 0.15 | K13B4 | 116.641 | 136.473 | 112.950 | 8.959  | 0.15861 | 2.73764 | 5 X |
| K11A66X | 18.4 | 0.15 | K13B4 | 341.010 | 179.953 | 240.649 | 0.588  | 0.20466 | 2.26742 | 5 X |
| K11B34P | 17.4 | 0.15 | K13B4 | 344.781 | 153.388 | 254.980 | 1.824  | 0.08134 | 2.38361 | 7 X |
| K11B46W | 17.0 | 0.15 | K13B4 | 169.618 | 64.128  | 149.533 | 13.357 | 0.10556 | 2.62319 | 7 X |
| K11B51H | 16.8 | 0.15 | K13B4 | 268.719 | 177.141 | 301.931 | 8.493  | 0.03029 | 2.52680 | 3 X |
| K11B62R | 17.2 | 0.15 | K13B4 | 232.737 | 77.076  | 90.892  | 7.214  | 0.07094 | 2.43719 | 6 X |
| K11C11B | 18.3 | 0.15 | K13B4 | 6.265   | 100.824 | 281.432 | 1.205  | 0.20850 | 2.34227 | 4 X |
| K11C14W | 17.5 | 0.15 | K13B4 | 352.820 | 87.698  | 308.770 | 2.635  | 0.13000 | 2.39505 | 4 X |
| K11C18Y | 16.3 | 0.15 | K13B4 | 111.457 | 346.665 | 277.860 | 3.832  | 0.12076 | 2.69891 | 6 X |
| K11C23C | 16.4 | 0.15 | K13B4 | 35.771  | 5.576   | 335.954 | 8.843  | 0.06259 | 2.60436 | 5 X |
| K11C25R | 16.9 | 0.15 | K13B4 | 330.854 | 136.583 | 307.539 | 5.778  | 0.08283 | 2.31217 | 4 X |
| K11C35S | 16.1 | 0.15 | K13B4 | 108.433 | 292.808 | 321.778 | 11.110 | 0.09171 | 2.73050 | 6 X |
| K11C51T | 17.9 | 0.15 | K13B4 | 350.182 | 66.599  | 332.291 | 2.997  | 0.11414 | 2.42994 | 5 X |
| K11C54J | 17.4 | 0.15 | K13B4 | 60.727  | 179.592 | 142.233 | 11.662 | 0.04771 | 2.56843 | 4 X |
| K11C62G | 17.3 | 0.15 | K13B4 | 38.077  | 187.946 | 149.634 | 9.847  | 0.13490 | 2.57968 | 6 X |
| K11D24H | 16.7 | 0.15 | K13B4 | 274.409 | 292.274 | 205.964 | 8.945  | 0.22113 | 2.41108 | 4 X |
| K11E01B | 16.8 | 0.15 | K13B4 | 191.495 | 249.497 | 301.125 | 5.113  | 0.02653 | 2.57937 | 4 X |
| K11E17K | 16.7 | 0.15 | K13B4 | 237.023 | 47.949  | 108.717 | 8.519  | 0.13884 | 2.61321 | 6 X |
| K11E44N | 16.0 | 0.15 | K13B4 | 23.766  | 338.021 | 29.033  | 6.271  | 0.00604 | 2.72639 | 8 X |
| K11E44V | 15.7 | 0.15 | K13B4 | 172.807 | 201.827 | 11.789  | 17.666 | 0.05433 | 2.81643 | 5 X |
| K11E51F | 16.5 | 0.15 | K13B4 | 215.949 | 144.959 | 27.500  | 35.257 | 0.29781 | 2.67288 | 3 X |
| K11E69A | 15.9 | 0.15 | K13B4 | 355.376 | 275.605 | 112.512 | 7.306  | 0.08422 | 2.79654 | 4 X |
| K11E73M | 17.2 | 0.15 | K13B4 | 301.797 | 11.824  | 99.495  | 3.393  | 0.16770 | 2.37801 | 4 X |
| K11E76Z | 17.5 | 0.15 | K13B4 | 305.823 | 102.303 | 6.993   | 6.039  | 0.24269 | 2.35542 | 3 X |
| K11F01D | 17.7 | 0.15 | K13B4 | 321.957 | 83.752  | 1.948   | 22.520 | 0.23599 | 2.27977 | 2 X |
| K11F13X | 15.2 | 0.15 | K13B4 | 75.155  | 274.084 | 27.729  | 18.158 | 0.10263 | 3.15170 | 6 X |
| K11F21O | 16.1 | 0.15 | K13B4 | 3.211   | 235.755 | 144.597 | 8.919  | 0.09706 | 2.94083 | 8 X |
| K11F24W | 16.2 | 0.15 | K13B4 | 130.960 | 167.764 | 75.377  | 10.766 | 0.03428 | 3.05338 | 5 X |
| K11F25D | 17.1 | 0.15 | K13B4 | 245.765 | 18.465  | 154.973 | 12.998 | 0.09808 | 2.57182 | 6 X |
| K11F26F | 16.6 | 0.15 | K13B4 | 123.794 | 144.044 | 110.086 | 10.088 | 0.08127 | 3.06515 | 7 X |
| K11F44X | 16.4 | 0.15 | K13B4 | 18.726  | 342.614 | 29.007  | 6.301  | 0.05595 | 2.76061 | 6 X |
| K11F57Q | 16.3 | 0.15 | K13B4 | 20.078  | 2.606   | 355.933 | 12.585 | 0.16113 | 2.98429 | 3 X |
| K11F90F | 16.9 | 0.15 | K13B4 | 210.566 | 50.406  | 127.441 | 11.178 | 0.17857 | 2.75133 | 3 X |
| K11FC5A | 15.6 | 0.15 | K13B4 | 90.163  | 303.779 | 340.030 | 10.699 | 0.10147 | 3.09237 | 5 X |
| K11FD8Z | 16.8 | 0.15 | K13B4 | 38.399  | 135.064 | 208.484 | 5.640  | 0.04780 | 2.78753 | 8 X |
| K11FF0H | 16.1 | 0.15 | K13B4 | 290.639 | 49.235  | 52.987  | 14.710 | 0.11579 | 2.77031 | 4 X |
| K11FF1L | 15.7 | 0.15 | K13B4 | 197.845 | 139.329 | 45.394  | 12.042 | 0.05250 | 2.88877 | 2 X |
| K11FF3K | 15.8 | 0.15 | K13B4 | 62.785  | 60.714  | 249.414 | 8.797  | 0.09354 | 3.10388 | 4 X |
| K11G06N | 16.4 | 0.15 | K13B4 | 351.156 | 266.319 | 127.708 | 6.956  | 0.12676 | 2.76390 | 4 X |
| K11G10P | 16.3 | 0.15 | K13B4 | 12.732  | 30.547  | 333.337 | 4.153  | 0.17857 | 3.04425 | 5 X |
| K11G40Q | 16.9 | 0.15 | K13B4 | 260.897 | 84.492  | 48.245  | 13.772 | 0.12976 | 2.63566 | 5 X |
| K11G50E | 16.0 | 0.15 | K13B4 | 11.858  | 287.495 | 93.698  | 6.592  | 0.08659 | 2.75149 | 4 X |
| K11G55Q | 16.9 | 0.15 | K13B4 | 199.699 | 63.529  | 124.281 | 7.042  | 0.08689 | 3.01532 | 5 X |
| K11G74Y | 15.7 | 0.15 | K13B4 | 62.898  | 220.998 | 96.228  | 6.046  | 0.13985 | 3.18813 | 7 X |
| K11G84L | 16.0 | 0.15 | K13B4 | 80.001  | 175.301 | 116.130 | 11.716 | 0.05686 | 3.15885 | 4 X |
| K11G87Y | 16.3 | 0.15 | K13B4 | 139.175 | 111.198 | 118.163 | 8.856  | 0.15961 | 3.12040 | 5 X |
| K11H11N | 16.0 | 0.15 | K13B4 | 216.265 | 81.344  | 86.435  | 14.261 | 0.11952 | 3.05715 | 5 X |
| K11H25X | 15.9 | 0.15 | K13B4 | 144.066 | 144.375 | 99.407  | 8.221  | 0.10954 | 3.18515 | 5 X |
| K11H34Q | 16.2 | 0.15 | K13B4 | 181.012 | 119.437 | 74.219  | 14.579 | 0.13305 | 3.14779 | 4 X |
| K11H36M | 16.2 | 0.15 | K13B4 | 289.033 | 324.538 | 131.889 | 8.259  | 0.04465 | 3.04928 | 5 X |
| K11H42U | 16.4 | 0.15 | K13B4 | 320.568 | 283.115 | 141.715 | 9.787  | 0.08690 | 2.98163 | 5 X |
| K11H48V | 16.6 | 0.15 | K13B4 | 183.117 | 43.756  | 159.121 | 10.994 | 0.04426 | 3.09162 | 6 X |
| K11H48X | 16.0 | 0.15 | K13B4 | 254.756 | 39.532  | 92.278  | 12.943 | 0.07503 | 3.00240 | 7 X |
| K11H50S | 16.2 | 0.15 | K13B4 | 185.370 | 91.190  | 105.594 | 11.430 | 0.05995 | 3.17075 | 3 X |
| K11H51E | 15.8 | 0.15 | K13B4 | 278.760 | 337.426 | 134.843 | 11.609 | 0.10446 | 3.01647 | 6 X |
| K11H57U | 16.6 | 0.15 | K13B4 | 202.352 | 26.592  | 154.677 | 14.976 | 0.16245 | 3.09450 | 4 X |
| K11H58Z | 15.7 | 0.15 | K13B4 | 322.158 | 339.222 | 89.033  | 12.602 | 0.08062 | 3.03639 | 6 X |
| K11H60L | 16.1 | 0.15 | K13B4 | 256.983 | 31.431  | 91.666  | 10.446 | 0.01661 | 3.08573 | 4 X |
| K11H67G | 16.1 | 0.15 | K13B4 | 199.966 | 31.418  | 151.659 | 12.947 | 0.11007 | 3.15405 | 4 X |
| K11H80Q | 16.4 | 0.15 | K13B4 | 199.082 | 28.353  | 159.116 | 11.845 | 0.12410 | 3.14546 | 5 X |
| K11J05O | 15.9 | 0.15 | K13B4 | 16.571  | 316.999 | 62.698  | 5.459  | 0.06163 | 2.78305 | 7 X |
| K11J20K | 16.4 | 0.15 | K13B4 | 187.625 | 121.952 | 72.062  | 10.759 | 0.06719 | 3.21272 | 4 X |
| K11J25J | 16.3 | 0.15 | K13B4 | 331.460 | 356.373 | 53.909  | 12.730 | 0.04291 | 2.97786 | 6 X |
| K11K37D | 16.5 | 0.15 | K13B4 | 216.430 | 100.887 | 73.044  | 15.504 | 0.12081 | 3.06011 | 5 X |
| K11K43G | 16.5 | 0.15 | K13B4 | 213.737 | 103.482 | 64.585  | 14.914 | 0.12268 | 3.10286 | 4 X |
| K11K43M | 15.6 | 0.15 | K13B4 | 92.472  | 220.156 | 79.263  | 9.208  | 0.02550 | 3.16083 | 6 X |
| K11O26X | 13.6 | 0.15 | K13B4 | 41.472  | 221.844 | 105.996 | 8.795  | 0.08127 | 5.22483 | 6 X |
| K11UF8W | 19.4 | 0.15 | K13B4 | 62.042  | 8.535   | 286.302 | 4.650  | 0.37494 | 1.61636 | 2 X |
| K11W95U | 19.4 | 0.15 | K13B4 | 43.321  | 242.215 | 67.781  | 6.720  | 0.42468 | 1.66657 | 3 X |
| K12B85T | 17.5 | 0.15 | K13B4 | 44.047  | 108.620 | 221.273 | 20.218 | 0.06600 | 1.89266 | 5 X |

|         |      |      |       |         |         |         |        |         |          |    |   |
|---------|------|------|-------|---------|---------|---------|--------|---------|----------|----|---|
| K12B98D | 18.0 | 0.15 | K13B4 | 133.009 | 260.952 | 337.876 | 17.362 | 0.06986 | 1.96304  | 2  | X |
| K12D04S | 18.7 | 0.15 | K13B4 | 354.487 | 43.748  | 357.122 | 21.647 | 0.09851 | 1.84983  | 2  | S |
| K12D43U | 17.0 | 0.15 | K13B4 | 234.080 | 143.692 | 18.799  | 21.166 | 0.08587 | 1.90299  | 4  | X |
| K12E14R | 20.4 | 0.15 | K13B4 | 358.899 | 14.740  | 33.951  | 6.866  | 0.36357 | 1.63755  | 2  | X |
| K12F10L | 18.4 | 0.15 | K13B4 | 329.614 | 71.624  | 346.373 | 18.728 | 0.13126 | 1.91928  | 3  | X |
| K12F44L | 16.9 | 0.15 | K13B4 | 115.381 | 188.877 | 54.046  | 12.987 | 0.22946 | 2.61344  | 3  | X |
| K12F56Z | 18.2 | 0.15 | K13B4 | 329.309 | 26.082  | 39.355  | 21.327 | 0.09316 | 1.95340  | 2  | X |
| K12F74D | 16.4 | 0.15 | K13B4 | 60.880  | 91.296  | 203.463 | 19.265 | 0.21292 | 2.80363  | 4  | X |
| K12G02J | 17.2 | 0.15 | K13B4 | 76.999  | 259.951 | 27.493  | 4.899  | 0.13845 | 2.44105  | 5  | X |
| K12G13B | 16.4 | 0.15 | K13B4 | 51.715  | 292.029 | 16.806  | 16.146 | 0.25722 | 2.64047  | 7  | X |
| K12H07F | 17.3 | 0.15 | K13B4 | 147.956 | 113.782 | 118.814 | 7.547  | 0.06038 | 2.32329  | 5  | X |
| K12H16S | 16.9 | 0.15 | K13B4 | 61.474  | 142.753 | 162.805 | 13.806 | 0.18571 | 2.73183  | 3  | X |
| K12H17V | 17.6 | 0.15 | K13B4 | 170.257 | 125.276 | 87.008  | 7.460  | 0.09507 | 2.25521  | 4  | X |
| K12H19U | 16.8 | 0.15 | K13B4 | 108.634 | 49.903  | 220.486 | 21.154 | 0.10108 | 2.39208  | 5  | X |
| K12H28U | 17.9 | 0.15 | K13B4 | 147.537 | 123.266 | 104.446 | 7.003  | 0.16275 | 2.31437  | 5  | X |
| K12H48T | 16.2 | 0.15 | K13B4 | 32.386  | 212.948 | 126.174 | 10.766 | 0.22338 | 2.79262  | 6  | X |
| K12H50D | 16.3 | 0.15 | K13B4 | 89.598  | 63.792  | 200.732 | 26.752 | 0.21274 | 2.74357  | 4  | X |
| K12H63O | 16.4 | 0.15 | K13B4 | 79.304  | 224.875 | 54.265  | 15.530 | 0.17594 | 2.62279  | 5  | X |
| K12H66W | 16.7 | 0.15 | K13B4 | 65.209  | 82.466  | 221.925 | 12.213 | 0.18075 | 2.66469  | 3  | X |
| K12H67O | 17.0 | 0.15 | K13B4 | 63.412  | 218.633 | 75.996  | 10.924 | 0.22527 | 2.91920  | 3  | X |
| K12H77C | 16.3 | 0.15 | K13B4 | 42.463  | 104.497 | 209.485 | 12.506 | 0.28644 | 3.16796  | 2  | X |
| K12J02Q | 16.8 | 0.15 | K13B4 | 69.602  | 240.453 | 52.486  | 12.433 | 0.19022 | 2.66349  | 5  | X |
| K12J11F | 16.8 | 0.15 | K13B4 | 75.693  | 82.366  | 208.143 | 9.515  | 0.16214 | 2.79415  | 4  | X |
| K12J13K | 17.0 | 0.15 | K13B4 | 32.338  | 147.935 | 199.482 | 8.576  | 0.13575 | 2.59342  | 6  | X |
| K12J14Y | 15.6 | 0.15 | K13B4 | 79.611  | 90.887  | 182.032 | 13.918 | 0.21878 | 2.99153  | 5  | X |
| K12J26H | 15.9 | 0.15 | K13B4 | 66.402  | 251.281 | 43.808  | 16.154 | 0.27506 | 2.99961  | 4  | X |
| K12J58N | 17.1 | 0.15 | K13B4 | 28.628  | 286.732 | 66.096  | 2.395  | 0.21670 | 2.41340  | 7  | X |
| K12K13V | 17.7 | 0.15 | K13B4 | 84.713  | 118.402 | 178.529 | 3.138  | 0.01741 | 2.39429  | 7  | X |
| K12K47M | 16.0 | 0.15 | K13B4 | 54.260  | 117.760 | 182.388 | 25.809 | 0.26136 | 3.19557  | 4  | X |
| K12K48K | 17.0 | 0.15 | K13B4 | 102.829 | 137.804 | 120.243 | 8.712  | 0.18289 | 2.77444  | 5  | X |
| K12K51C | 17.1 | 0.15 | K13B4 | 113.793 | 107.384 | 142.288 | 13.204 | 0.23669 | 2.62333  | 5  | X |
| K12K51F | 16.2 | 0.15 | K13B4 | 75.484  | 129.158 | 160.895 | 15.310 | 0.11914 | 2.74054  | 7  | X |
| K12K51H | 16.8 | 0.15 | K13B4 | 112.475 | 109.040 | 145.196 | 14.009 | 0.13129 | 2.57846  | 6  | X |
| K12L00Q | 17.0 | 0.15 | K13B4 | 298.975 | 327.967 | 123.020 | 7.308  | 0.07315 | 2.35357  | 6  | X |
| K12L02P | 16.1 | 0.15 | K13B4 | 77.400  | 104.789 | 174.252 | 25.282 | 0.26432 | 3.17934  | 4  | X |
| K12L08H | 16.4 | 0.15 | K13B4 | 77.151  | 124.464 | 155.133 | 16.573 | 0.24785 | 3.10197  | 4  | X |
| K12L13J | 16.4 | 0.15 | K13B4 | 129.920 | 69.953  | 167.970 | 18.467 | 0.23308 | 2.62757  | 4  | X |
| K12M00Y | 15.9 | 0.15 | K13B4 | 51.525  | 76.053  | 224.738 | 15.781 | 0.15892 | 3.13338  | 3  | X |
| K12M11S | 16.2 | 0.15 | K13B4 | 87.726  | 97.500  | 166.894 | 25.579 | 0.28197 | 3.15807  | 5  | X |
| K12M12P | 16.0 | 0.15 | K13B4 | 204.122 | 25.853  | 156.036 | 10.310 | 0.03052 | 2.97973  | 4  | X |
| K12Q40H | 12.9 | 0.15 | K13B4 | 36.845  | 93.965  | 244.168 | 10.575 | 0.02723 | 5.13266  | 5  | X |
| K12R01W | 13.2 | 0.15 | K13B4 | 67.111  | 11.072  | 301.575 | 5.533  | 0.06929 | 5.13832  | 8  | X |
| K12S21Q | 13.3 | 0.15 | K13B4 | 106.827 | 213.873 | 89.306  | 5.387  | 0.01326 | 5.17140  | 11 | X |
| K12T00S | 20.8 | 0.15 | K13B4 | 182.480 | 21.016  | 190.921 | 16.459 | 0.11306 | 0.99064  | 2  | X |
| K12V02H | 12.7 | 0.15 | K13B4 | 40.753  | 328.589 | 9.674   | 23.033 | 0.03464 | 5.25671  | 7  | X |
| K12V37E | 20.7 | 0.15 | K13B4 | 234.659 | 149.879 | 48.292  | 17.461 | 0.53677 | 1.04020  | 2  | W |
| K13CC9E | 22.0 | 0.15 | K13B4 | 93.709  | 230.409 | 22.708  | 4.724  | 0.30423 | 1.34358  | 2  | X |
| K13E89R | 20.2 | 0.15 | K13B4 | 62.974  | 283.527 | 1.061   | 26.971 | 0.53618 | 1.69481  | 2  | W |
| K13H23O | 18.0 | 0.15 | K13B4 | 27.292  | 134.884 | 122.300 | 4.974  | 0.21957 | 2.29458  | 3  | W |
| K13K01Y | 17.9 | 0.15 | K13B4 | 45.429  | 136.289 | 122.506 | 19.020 | 0.52749 | 2.62332  | 4  | X |
| K13M05X | 18.9 | 0.15 | K13B4 | 33.675  | 52.593  | 250.441 | 6.611  | 0.44834 | 2.26975  | 2  | X |
| K13O05N | 18.7 | 0.15 | K13B4 | 35.893  | 185.686 | 123.357 | 7.391  | 0.52090 | 2.33859  | 4  | X |
| K13P03M | 16.8 | 0.15 | K13B4 | 357.422 | 139.030 | 240.675 | 7.079  | 0.25392 | 2.44324  | 2  | X |
| K13P06V | 19.2 | 0.15 | K13B4 | 20.480  | 161.235 | 182.509 | 6.170  | 0.46989 | 2.28021  | 4  | X |
| K13P12E | 16.5 | 0.15 | K13B4 | 9.823   | 51.913  | 308.890 | 10.140 | 0.21835 | 3.12457  | 3  | X |
| K13P16H | 16.4 | 0.15 | K13B4 | 74.803  | 320.603 | 323.596 | 9.895  | 0.22107 | 2.56635  | 7  | X |
| K13P25Z | 16.7 | 0.15 | K13B4 | 1.959   | 186.583 | 199.729 | 14.386 | 0.26583 | 2.61723  | 3  | X |
| K13P31A | 16.8 | 0.15 | K13B4 | 5.641   | 35.647  | 332.244 | 11.849 | 0.28947 | 2.63777  | 3  | X |
| K13P31P | 16.1 | 0.15 | K13B4 | 23.093  | 39.428  | 304.322 | 11.745 | 0.13960 | 3.11372  | 2  | X |
| K13P37M | 16.9 | 0.15 | K13B4 | 56.294  | 34.447  | 263.430 | 12.504 | 0.19959 | 2.42274  | 4  | X |
| K13P44H | 8.9  | 0.15 | K13B4 | 353.993 | 178.485 | 160.885 | 33.537 | 0.20809 | 19.61506 | 2  | X |
| K13P68Z | 16.5 | 0.15 | K13B4 | 348.523 | 96.928  | 293.013 | 12.350 | 0.15897 | 2.73562  | 2  | W |
| K13P72S | 17.4 | 0.15 | K13B4 | 7.384   | 198.200 | 148.328 | 12.821 | 0.20209 | 2.63450  | 2  | W |
| K13Q11Q | 18.2 | 0.15 | K13B4 | 1.199   | 21.249  | 335.356 | 17.761 | 0.07887 | 1.90832  | 3  | W |
| K13Q18S | 16.1 | 0.15 | K13B4 | 307.109 | 73.384  | 336.388 | 17.480 | 0.10427 | 3.09261  | 2  | W |
| K13Q20T | 16.9 | 0.15 | K13B4 | 337.246 | 50.128  | 349.093 | 12.591 | 0.27922 | 2.67028  | 2  | W |
| K13Q21Q | 16.5 | 0.15 | K13B4 | 72.230  | 169.775 | 97.520  | 6.240  | 0.12208 | 2.74262  | 2  | W |
| K13Q21T | 16.2 | 0.15 | K13B4 | 298.165 | 25.867  | 39.702  | 6.539  | 0.11167 | 2.93844  | 2  | W |
| K13Q26D | 16.8 | 0.15 | K13B4 | 309.128 | 36.896  | 24.369  | 0.740  | 0.18691 | 2.52701  | 3  | W |
| K13Q26T | 17.8 | 0.15 | K13B4 | 8.195   | 302.847 | 57.653  | 4.091  | 0.17765 | 2.25050  | 3  | W |
| K13Q29H | 17.3 | 0.15 | K13B4 | 342.391 | 207.831 | 171.347 | 2.724  | 0.11721 | 2.72505  | 2  | W |
| K13Q37T | 16.9 | 0.15 | K13B4 | 3.514   | 151.586 | 212.678 | 13.108 | 0.11970 | 2.47603  | 2  | X |
| K13Q42Y | 16.3 | 0.15 | K13B4 | 6.333   | 359.608 | 21.904  | 14.101 | 0.25347 | 2.61710  | 2  | X |
| K13Q47A | 15.5 | 0.15 | K13B4 | 316.306 | 111.523 | 319.823 | 14.310 | 0.12921 | 2.84358  | 3  | X |
| K13Q47D | 16.4 | 0.15 | K13B4 | 336.879 | 199.511 | 205.191 | 18.078 | 0.23896 | 3.05657  | 4  | X |
| K13Q47O | 17.8 | 0.15 | K13B4 | 359.469 | 105.308 | 268.439 | 6.277  | 0.15153 | 2.27819  | 2  | X |
| K13Q70Z | 17.8 | 0.15 | K13B4 | 345.816 | 30.857  | 351.933 | 1.979  | 0.20071 | 2.28540  | 2  | W |
| K13Q76F | 17.0 | 0.15 | K13B4 | 287.863 | 136.989 | 286.585 | 2.920  | 0.00968 | 2.53774  | 2  | W |
| K13Q82E | 16.6 | 0.15 | K13B4 | 79.688  | 289.150 | 334.009 | 8.750  | 0.04952 | 2.97029  | 2  | W |
| K13Q94X | 15.9 | 0.15 | K13B4 | 342.471 | 231.546 | 161.575 | 8.874  | 0.07379 | 3.17706  | 2  | W |
| K13R01K | 18.3 | 0.15 | K13B4 | 51.231  | 332.178 | 347.392 | 18.679 | 0.05374 | 1.92565  | 3  | X |
| K13R02E | 17.2 | 0.15 | K13B4 | 50.789  | 120.978 | 170.014 | 8.948  | 0.11475 | 2.38763  | 2  | W |
| K13R03H | 18.0 | 0.15 | K13B4 | 356.799 | 16.590  | 12.083  | 4.098  | 0.15424 | 2.25133  | 2  | W |
| K13R04P | 18.1 | 0.15 | K13B4 | 0.808   | 26.351  | 355.428 | 7.862  | 0.16732 | 2.19481  | 2  | W |
| K13R07U | 17.0 | 0.15 | K13B4 | 105.366 | 70.526  | 168.407 | 16.816 | 0.10270 | 2.54271  | 2  | W |
| K13R14G | 17.1 | 0.15 | K13B4 | 28.957  | 148.071 | 173.014 | 9.757  | 0.16347 | 2.59957  | 2  | W |
| K13R18Q | 16.3 | 0.15 | K13B4 | 28.351  | 106.040 | 234.805 | 20.043 | 0.32395 | 3.18317  | 2  | W |
| K13R19L | 15.7 | 0.15 | K13B4 | 349.651 | 26.491  | 358.289 | 18.093 | 0.09126 | 3.09515  | 3  | W |
| K13R21P | 18.9 | 0.15 | K13B4 | 301.702 | 50.277  | 28.482  | 19.280 | 0.12936 | 1.88746  | 3  | S |
| K13R22C | 16.2 | 0.15 | K13B4 | 351.635 | 40.619  | 357.180 | 11.918 | 0.15893 | 2.63133  | 2  | X |
| K13R25Z | 16.9 | 0.15 | K13B4 | 58.323  | 207.572 | 92.650  | 5.135  | 0.18734 | 2.21401  | 4  | W |
| K13R27E | 17.6 | 0.15 | K13B4 | 327.997 | 62.283  | 5.813   | 5.801  | 0.13355 | 2.20154  | 5  | X |
| K13R31O | 15.9 | 0.15 | K13B4 | 63.513  | 298.476 | 6.763   | 13.476 | 0.17957 | 2.56308  | 4  | X |
| K13R32K | 18.0 | 0.15 | K13B4 | 27.116  | 348.680 | 356.228 | 19.855 | 0.07430 | 1.88149  | 3  | W |
| K13R35G | 17.6 | 0.15 | K13B4 | 30.609  | 196.367 | 145.055 | 6.708  | 0.14991 | 2.26051  | 2  | W |
| K13R35H | 16.9 | 0.15 | K13B4 | 93.810  | 120.170 | 151.631 | 6.101  | 0.11515 | 2.40926  | 4  | X |
| K13R35J | 16.7 | 0.15 | K13B4 | 354.350 | 334.680 | 56.654  | 7.292  | 0.11729 | 2.43465  | 2  | X |

|         |      |      |       |         |         |         |        |         |         |   |   |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|---|---|
| K13R35X | 15.9 | 0.15 | K13B4 | 36.103  | 313.417 | 23.763  | 17.047 | 0.22067 | 3.15107 | 6 | X |
| K13R37E | 17.9 | 0.15 | K13B4 | 52.130  | 139.476 | 170.200 | 5.701  | 0.15907 | 2.36544 | 2 | W |
| K13R37P | 16.6 | 0.15 | K13B4 | 88.636  | 263.605 | 8.046   | 12.778 | 0.13390 | 2.57019 | 2 | W |
| K13R38B | 17.4 | 0.15 | K13B4 | 271.889 | 291.356 | 181.877 | 6.019  | 0.09261 | 2.43475 | 3 | W |
| K13R39D | 16.5 | 0.15 | K13B4 | 6.609   | 2.830   | 1.928   | 4.462  | 0.08763 | 2.78266 | 2 | W |
| K13R44H | 15.9 | 0.15 | K13B4 | 8.552   | 71.203  | 294.220 | 10.564 | 0.12885 | 3.08737 | 2 | X |
| K13R44Q | 16.4 | 0.15 | K13B4 | 17.486  | 261.480 | 106.932 | 4.778  | 0.11015 | 2.75382 | 2 | X |
| K13R45M | 16.2 | 0.15 | K13B4 | 15.982  | 79.072  | 277.669 | 9.157  | 0.09287 | 3.07954 | 2 | W |
| K13R46G | 16.9 | 0.15 | K13B4 | 324.529 | 81.288  | 332.566 | 6.305  | 0.11184 | 3.10510 | 2 | W |
| K13R46W | 16.2 | 0.15 | K13B4 | 105.003 | 262.656 | 351.229 | 11.502 | 0.10417 | 2.74906 | 2 | W |
| K13R46X | 18.0 | 0.15 | K13B4 | 61.405  | 93.858  | 202.813 | 3.825  | 0.14668 | 2.36747 | 2 | W |
| K13R48A | 17.0 | 0.15 | K13B4 | 8.890   | 173.134 | 191.242 | 3.273  | 0.10657 | 2.76750 | 2 | W |
| K13R48D | 16.1 | 0.15 | K13B4 | 227.759 | 152.618 | 356.596 | 25.478 | 0.10309 | 3.14461 | 2 | W |
| K13R49T | 16.7 | 0.15 | K13B4 | 329.826 | 82.018  | 326.119 | 9.954  | 0.13428 | 3.04110 | 2 | W |
| K13R50U | 16.5 | 0.15 | K13B4 | 348.569 | 60.861  | 329.235 | 7.132  | 0.17617 | 2.67605 | 2 | X |
| K13R51X | 17.0 | 0.15 | K13B4 | 338.406 | 74.865  | 9.230   | 27.266 | 0.40763 | 2.66984 | 3 | X |
| K13R53A | 17.5 | 0.15 | K13B4 | 343.784 | 88.744  | 313.593 | 7.328  | 0.17779 | 2.37339 | 3 | W |
| K13R57A | 16.0 | 0.15 | K13B4 | 38.693  | 330.074 | 346.446 | 12.568 | 0.20804 | 3.11277 | 2 | W |
| K13R60U | 17.8 | 0.15 | K13B4 | 32.193  | 358.077 | 347.110 | 5.191  | 0.19525 | 2.19296 | 7 | X |
| K13R61A | 16.5 | 0.15 | K13B4 | 13.591  | 26.709  | 334.426 | 14.167 | 0.17128 | 2.61275 | 2 | X |
| K13R64X | 17.1 | 0.15 | K13B4 | 350.487 | 169.240 | 235.452 | 2.860  | 0.19352 | 2.63851 | 2 | X |
| K13R65S | 18.2 | 0.15 | K13B4 | 119.948 | 42.641  | 194.618 | 3.491  | 0.09489 | 2.26705 | 3 | W |
| K13R68G | 15.3 | 0.15 | K13B4 | 49.802  | 76.443  | 237.395 | 12.564 | 0.18058 | 3.17174 | 3 | W |
| K13R68N | 16.8 | 0.15 | K13B4 | 350.681 | 19.566  | 10.294  | 4.888  | 0.16806 | 2.79074 | 4 | W |
| K13R69M | 15.5 | 0.15 | K13B4 | 321.317 | 353.945 | 67.565  | 10.771 | 0.05470 | 3.05784 | 2 | W |
| K13R73N | 16.4 | 0.15 | K13B4 | 68.188  | 310.047 | 328.501 | 12.674 | 0.32183 | 2.59118 | 5 | X |
| K13R74V | 16.6 | 0.15 | K13B4 | 341.360 | 203.110 | 202.059 | 8.215  | 0.21417 | 2.89332 | 3 | W |
| K13R74X | 17.4 | 0.15 | K13B4 | 114.389 | 219.184 | 18.289  | 0.113  | 0.16024 | 2.43322 | 4 | W |
| K13R81P | 16.5 | 0.15 | K13B4 | 317.535 | 243.099 | 180.792 | 14.997 | 0.16924 | 3.20497 | 2 | W |
| K13R85M | 16.3 | 0.15 | K13B4 | 32.417  | 132.083 | 207.710 | 9.063  | 0.17375 | 2.32644 | 2 | W |
| K13R88K | 18.3 | 0.15 | K13B4 | 15.131  | 57.706  | 303.054 | 3.943  | 0.08836 | 3.08698 | 4 | W |
| K13R88O | 16.4 | 0.15 | K13B4 | 354.414 | 188.600 | 195.942 | 21.325 | 0.07673 | 3.11269 | 2 | W |
| K13R89Q | 17.5 | 0.15 | K13B4 | 58.842  | 344.409 | 329.052 | 3.241  | 0.10611 | 2.25103 | 2 | X |
| K13R90C | 16.3 | 0.15 | K13B4 | 152.562 | 17.969  | 200.406 | 12.647 | 0.10104 | 2.64475 | 3 | W |
| K13R93K | 16.3 | 0.15 | K13B4 | 270.881 | 272.880 | 202.374 | 8.828  | 0.06230 | 3.16480 | 3 | W |
| K13R94E | 15.2 | 0.15 | K13B4 | 4.424   | 183.549 | 192.917 | 17.622 | 0.21705 | 3.18306 | 5 | X |
| K13R94G | 17.8 | 0.15 | K13B4 | 357.386 | 28.700  | 4.361   | 12.566 | 0.29177 | 2.65010 | 2 | W |
| K13S14D | 17.1 | 0.15 | K13B4 | 326.288 | 233.200 | 183.529 | 8.917  | 0.17760 | 2.73014 | 3 | W |
| K13S15A | 17.7 | 0.15 | K13B4 | 43.898  | 315.676 | 0.679   | 4.137  | 0.19391 | 2.57797 | 2 | W |
| K13S15O | 16.5 | 0.15 | K13B4 | 276.887 | 274.229 | 188.044 | 1.772  | 0.04507 | 2.88703 | 3 | W |
| K13S18S | 16.0 | 0.15 | K13B4 | 28.892  | 185.397 | 145.100 | 4.450  | 0.17018 | 3.11711 | 5 | W |
| K13S21H | 16.6 | 0.15 | K13B4 | 342.819 | 166.071 | 227.926 | 23.746 | 0.13723 | 2.30239 | 3 | W |
| K13S22A | 17.6 | 0.15 | K13B4 | 61.480  | 127.539 | 169.399 | 4.383  | 0.10026 | 2.72586 | 2 | W |
| K13S22N | 15.6 | 0.15 | K13B4 | 355.352 | 146.048 | 251.808 | 16.920 | 0.19787 | 3.09465 | 2 | W |
| K13S22Q | 16.6 | 0.15 | K13B4 | 356.597 | 127.194 | 270.650 | 4.219  | 0.07626 | 2.59915 | 4 | W |
| K13S22T | 16.4 | 0.15 | K13B4 | 346.459 | 222.524 | 190.992 | 11.463 | 0.18308 | 2.61047 | 2 | W |
| K13S25T | 16.7 | 0.15 | K13B4 | 7.668   | 140.212 | 242.777 | 5.016  | 0.04464 | 2.70374 | 2 | W |
| K13S26J | 16.2 | 0.15 | K13B4 | 36.392  | 135.673 | 192.614 | 26.859 | 0.25820 | 3.15077 | 2 | W |
| K13S26K | 15.3 | 0.15 | K13B4 | 350.016 | 346.923 | 53.241  | 16.304 | 0.04055 | 3.14428 | 3 | W |
| K13S26Z | 16.0 | 0.15 | K13B4 | 39.856  | 321.051 | 15.797  | 11.492 | 0.13205 | 3.00713 | 3 | X |
| K13S27J | 16.0 | 0.15 | K13B4 | 345.922 | 246.802 | 161.370 | 5.433  | 0.17625 | 3.13877 | 3 | X |
| K13S27K | 16.3 | 0.15 | K13B4 | 151.807 | 7.785   | 214.451 | 14.226 | 0.04678 | 2.54604 | 4 | W |
| K13S29F | 17.6 | 0.15 | K13B4 | 354.587 | 199.204 | 202.542 | 14.157 | 0.24926 | 2.56990 | 2 | X |
| K13S29T | 16.6 | 0.15 | K13B4 | 359.517 | 309.494 | 79.238  | 3.135  | 0.09008 | 2.74177 | 5 | X |
| K13S29V | 17.0 | 0.15 | K13B4 | 17.034  | 296.196 | 71.496  | 4.320  | 0.18492 | 2.59214 | 6 | X |
| K13S32X | 17.0 | 0.15 | K13B4 | 351.371 | 197.866 | 180.634 | 2.131  | 0.10412 | 2.97972 | 2 | W |
| K13S33D | 16.7 | 0.15 | K13B4 | 33.384  | 323.689 | 359.203 | 9.160  | 0.18776 | 2.56791 | 3 | W |
| K13S34V | 18.2 | 0.15 | K13B4 | 13.444  | 358.898 | 356.258 | 1.681  | 0.19296 | 2.51165 | 2 | W |
| K13S35K | 18.2 | 0.15 | K13B4 | 10.019  | 5.500   | 356.102 | 6.024  | 0.12342 | 2.31339 | 2 | W |
| K13S36L | 18.4 | 0.15 | K13B4 | 353.093 | 143.202 | 242.378 | 0.524  | 0.18983 | 2.40915 | 2 | W |
| K13S36R | 17.0 | 0.15 | K13B4 | 348.815 | 201.471 | 186.415 | 3.696  | 0.16996 | 2.72660 | 2 | W |
| K13S37L | 17.3 | 0.15 | K13B4 | 19.330  | 214.189 | 135.240 | 2.996  | 0.14979 | 2.41867 | 2 | W |
| K13S40H | 17.0 | 0.15 | K13B4 | 38.295  | 315.368 | 17.284  | 23.252 | 0.25327 | 2.32696 | 2 | W |
| K13S42W | 17.0 | 0.15 | K13B4 | 14.851  | 225.414 | 133.153 | 8.587  | 0.20230 | 2.61740 | 2 | W |
| K13S43H | 16.3 | 0.15 | K13B4 | 352.911 | 312.376 | 73.316  | 10.260 | 0.04514 | 2.90122 | 2 | W |
| K13S44W | 16.4 | 0.15 | K13B4 | 297.703 | 258.879 | 179.584 | 21.809 | 0.06050 | 2.55692 | 2 | W |
| K13S45M | 17.0 | 0.15 | K13B4 | 225.014 | 323.429 | 180.774 | 1.887  | 0.01665 | 2.85200 | 2 | W |
| K13S48K | 16.3 | 0.15 | K13B4 | 348.055 | 290.342 | 107.790 | 6.069  | 0.05494 | 2.78082 | 2 | W |
| K13S50P | 16.0 | 0.15 | K13B4 | 26.687  | 170.859 | 177.705 | 7.521  | 0.15301 | 3.18810 | 2 | W |
| K13S50U | 16.6 | 0.15 | K13B4 | 350.194 | 0.736   | 43.645  | 0.870  | 0.23784 | 3.13397 | 2 | W |
| K13S51E | 16.6 | 0.15 | K13B4 | 25.260  | 178.049 | 178.627 | 9.520  | 0.14248 | 2.73404 | 4 | W |
| K13S51J | 16.2 | 0.15 | K13B4 | 344.591 | 25.964  | 27.402  | 32.889 | 0.17368 | 2.60551 | 4 | X |
| K13S51L | 16.6 | 0.15 | K13B4 | 13.336  | 268.586 | 105.693 | 4.129  | 0.18584 | 2.98797 | 2 | W |
| K13S51U | 18.0 | 0.15 | K13B4 | 19.024  | 192.916 | 171.831 | 4.535  | 0.07548 | 2.14656 | 2 | W |
| K13S52F | 17.8 | 0.15 | K13B4 | 281.797 | 292.256 | 188.978 | 23.862 | 0.11641 | 1.92886 | 2 | W |
| K13S52H | 15.9 | 0.15 | K13B4 | 301.665 | 324.631 | 131.119 | 11.855 | 0.06157 | 3.08069 | 2 | W |
| K13S53J | 15.9 | 0.15 | K13B4 | 35.384  | 327.356 | 10.764  | 15.372 | 0.07748 | 3.16400 | 2 | W |
| K13S54W | 17.7 | 0.15 | K13B4 | 76.975  | 273.075 | 4.374   | 4.188  | 0.17020 | 2.19201 | 2 | W |
| K13S55K | 18.1 | 0.15 | K13B4 | 12.693  | 168.053 | 201.390 | 14.959 | 0.28168 | 2.54075 | 3 | X |
| K13T00S | 16.3 | 0.15 | K13B4 | 359.068 | 166.666 | 205.810 | 15.292 | 0.16752 | 2.86689 | 2 | W |
| K13T01D | 16.8 | 0.15 | K13B4 | 30.850  | 71.599  | 253.135 | 7.753  | 0.20469 | 2.78037 | 2 | X |
| K13T01Y | 15.5 | 0.15 | K13B4 | 330.467 | 45.700  | 17.524  | 9.461  | 0.07698 | 3.16393 | 2 | W |
| K13T06R | 17.2 | 0.15 | K13B4 | 359.100 | 84.856  | 291.680 | 2.384  | 0.08314 | 2.41776 | 2 | W |
| K13T06Z | 18.1 | 0.15 | K13B4 | 18.983  | 37.254  | 314.144 | 4.413  | 0.21840 | 2.31772 | 2 | W |
| K13T08E | 17.0 | 0.15 | K13B4 | 4.545   | 348.782 | 36.175  | 14.380 | 0.24212 | 2.69217 | 2 | X |
| K13T08P | 16.3 | 0.15 | K13B4 | 67.393  | 254.886 | 35.373  | 8.495  | 0.18808 | 2.76688 | 2 | W |
| K13T08Q | 17.6 | 0.15 | K13B4 | 57.941  | 293.099 | 352.217 | 6.588  | 0.26644 | 2.41773 | 2 | W |
| K13T08T | 17.1 | 0.15 | K13B4 | 28.515  | 133.403 | 191.307 | 0.607  | 0.28798 | 2.65885 | 2 | W |
| K13T10E | 16.4 | 0.15 | K13B4 | 359.253 | 154.588 | 226.099 | 13.460 | 0.19082 | 3.12502 | 2 | W |
| K13T10P | 17.5 | 0.15 | K13B4 | 38.718  | 3.464   | 331.864 | 2.098  | 0.20062 | 2.40528 | 7 | X |
| K13T10S | 17.9 | 0.15 | K13B4 | 21.095  | 224.729 | 132.650 | 6.450  | 0.31155 | 2.32412 | 4 | S |
| K13T11L | 17.5 | 0.15 | K13B4 | 16.439  | 229.070 | 138.613 | 7.998  | 0.20144 | 2.53332 | 2 | W |
| K13T11P | 16.1 | 0.15 | K13B4 | 11.209  | 258.467 | 116.666 | 5.064  | 0.08355 | 2.76525 | 7 | X |
| K13T13E | 17.9 | 0.15 | K13B4 | 44.325  | 164.176 | 157.036 | 2.810  | 0.22006 | 2.42924 | 2 | W |
| K13T13S | 18.0 | 0.15 | K13B4 | 48.210  | 238.672 | 79.857  | 2.355  | 0.19255 | 2.36150 | 2 | W |
| K13T14W | 17.8 | 0.15 | K13B4 | 37.755  | 162.973 | 171.420 | 5.629  | 0.21506 | 2.38913 | 3 | X |
| K13T17Q | 16.7 | 0.15 | K13B4 | 293.923 | 214.269 | 262.016 | 4.410  | 0.15271 | 3.00342 | 2 | W |

|         |      |      |       |         |         |         |        |         |         |   |   |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|---|---|
| K13T18N | 16.6 | 0.15 | K13B4 | 323.294 | 73.912  | 3.299   | 6.902  | 0.08661 | 2.72499 | 2 | W |
| K13T18V | 16.0 | 0.15 | K13B4 | 21.604  | 115.588 | 229.505 | 7.643  | 0.21801 | 3.18241 | 2 | W |
| K13T23S | 16.6 | 0.15 | K13B4 | 64.899  | 14.919  | 304.417 | 3.325  | 0.10581 | 2.71900 | 3 | W |
| K13T23V | 16.5 | 0.15 | K13B4 | 51.072  | 96.464  | 246.875 | 5.582  | 0.01662 | 2.76818 | 2 | W |
| K13T24G | 16.9 | 0.15 | K13B4 | 16.388  | 158.321 | 208.076 | 17.215 | 0.27742 | 2.64851 | 2 | W |
| K13T24T | 16.9 | 0.15 | K13B4 | 358.413 | 49.043  | 349.350 | 2.888  | 0.13334 | 3.06848 | 2 | W |
| K13T25B | 17.1 | 0.15 | K13B4 | 71.624  | 285.245 | 19.306  | 7.056  | 0.17893 | 2.41705 | 2 | W |
| K13T26L | 18.1 | 0.15 | K13B4 | 62.994  | 155.526 | 144.982 | 0.979  | 0.19338 | 2.32433 | 2 | W |
| K13T26U | 17.0 | 0.15 | K13B4 | 49.149  | 144.543 | 188.316 | 6.054  | 0.00968 | 2.72636 | 2 | W |
| K13T28G | 16.7 | 0.15 | K13B4 | 12.376  | 308.371 | 61.036  | 2.989  | 0.07944 | 2.87055 | 2 | W |
| K13T30D | 16.1 | 0.15 | K13B4 | 299.040 | 269.499 | 204.221 | 7.553  | 0.08153 | 2.77180 | 3 | W |
| K13T30R | 16.8 | 0.15 | K13B4 | 24.109  | 190.120 | 177.908 | 4.222  | 0.18216 | 2.58735 | 2 | W |
| K13T32G | 17.6 | 0.15 | K13B4 | 26.945  | 247.799 | 99.702  | 3.411  | 0.26396 | 2.55133 | 2 | W |
| K13T36E | 17.7 | 0.15 | K13B4 | 359.216 | 196.127 | 187.958 | 13.807 | 0.24838 | 2.66369 | 2 | W |
| K13T37A | 17.2 | 0.15 | K13B4 | 347.040 | 313.164 | 92.606  | 3.874  | 0.21616 | 2.75701 | 2 | W |
| K13T37O | 16.0 | 0.15 | K13B4 | 32.836  | 349.570 | 1.550   | 12.453 | 0.13473 | 3.06305 | 2 | W |
| K13T37Q | 16.4 | 0.15 | K13B4 | 271.432 | 302.617 | 184.399 | 13.538 | 0.12023 | 2.62677 | 2 | W |
| K13T39U | 16.2 | 0.15 | K13B4 | 356.757 | 203.247 | 193.707 | 4.403  | 0.09250 | 2.74060 | 3 | W |
| K13T42P | 16.9 | 0.15 | K13B4 | 350.650 | 51.726  | 1.022   | 13.072 | 0.35828 | 2.72199 | 2 | X |
| K13T43O | 17.4 | 0.15 | K13B4 | 25.549  | 153.930 | 205.584 | 7.116  | 0.15919 | 2.21132 | 5 | X |
| K13T46G | 17.5 | 0.15 | K13B4 | 346.710 | 39.824  | 8.586   | 1.784  | 0.17157 | 2.46068 | 3 | X |
| K13T46U | 17.6 | 0.15 | K13B4 | 3.025   | 169.874 | 217.162 | 5.594  | 0.14923 | 2.40847 | 3 | X |
| K13T50R | 16.9 | 0.15 | K13B4 | 345.905 | 282.791 | 136.313 | 1.397  | 0.20357 | 3.01965 | 2 | W |
| K13T50Y | 17.5 | 0.15 | K13B4 | 348.294 | 218.098 | 198.885 | 33.350 | 0.32011 | 2.65403 | 2 | W |
| K13T51H | 18.1 | 0.15 | K13B4 | 71.436  | 267.329 | 24.219  | 7.191  | 0.15079 | 2.16414 | 3 | W |
| K13T53O | 16.9 | 0.15 | K13B4 | 52.459  | 350.865 | 341.731 | 5.764  | 0.11104 | 2.13529 | 2 | W |
| K13T59X | 17.6 | 0.15 | K13B4 | 14.731  | 130.923 | 239.104 | 7.922  | 0.16296 | 2.79548 | 2 | W |
| K13T67W | 16.7 | 0.15 | K13B4 | 141.923 | 309.566 | 253.470 | 8.107  | 0.14195 | 2.59702 | 3 | W |
| K13T74R | 13.2 | 0.15 | K13B4 | 84.160  | 265.299 | 36.338  | 26.656 | 0.07664 | 5.26563 | 6 | X |

New perturbed one-opposition orbits:

| Object  | H    | G    | Epoch | M       | Peri.   | Node    | Incl.  | e       | a       | Arc | C |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|-----|---|
| K13ED6F | 16.8 | 0.15 | K13B4 | 3.828   | 53.425  | 211.226 | 4.926  | 0.20826 | 3.06761 | 83  | S |
| K13L31G | 17.5 | 0.15 | K13B4 | 29.934  | 62.325  | 275.061 | 16.683 | 0.13048 | 1.99643 | 91  | S |
| K13N00J | 21.8 | 0.15 | K13B4 | 10.151  | 140.071 | 238.987 | 4.143  | 0.28217 | 1.28433 | 103 | X |
| K13N22P | 16.0 | 0.15 | K13B4 | 275.136 | 246.326 | 253.248 | 8.124  | 0.08260 | 2.83518 | 85  | S |
| K13P19Y | 18.1 | 0.15 | K13B4 | 23.138  | 177.346 | 152.329 | 6.112  | 0.31087 | 2.62244 | 62  | S |
| K13P25Y | 16.8 | 0.15 | K13B4 | 336.521 | 122.479 | 300.211 | 10.821 | 0.28380 | 2.64325 | 62  | S |
| K13P37L | 17.0 | 0.15 | K13B4 | 65.289  | 27.792  | 268.922 | 11.737 | 0.15571 | 2.36846 | 63  | S |
| K13P43J | 16.6 | 0.15 | K13B4 | 41.060  | 6.415   | 319.598 | 8.384  | 0.20758 | 2.74523 | 69  | X |
| K13P43R | 23.4 | 0.15 | K13B4 | 47.772  | 334.678 | 321.719 | 2.534  | 0.39933 | 1.66233 | 57  | X |
| K13P68F | 15.9 | 0.15 | K13B4 | 22.101  | 134.620 | 174.549 | 4.934  | 0.22947 | 3.96887 | 135 | S |
| K13P74A | 17.9 | 0.15 | K13B4 | 94.307  | 91.279  | 178.286 | 23.235 | 0.10357 | 1.93301 | 60  | S |
| K13Q16G | 17.7 | 0.15 | K13B4 | 34.296  | 157.902 | 160.519 | 3.163  | 0.18368 | 2.25755 | 62  | S |
| K13Q46J | 16.6 | 0.15 | K13B4 | 48.861  | 51.350  | 239.112 | 13.268 | 0.20210 | 2.71462 | 111 | S |
| K13Q83N | 17.8 | 0.15 | K13B4 | 23.132  | 54.504  | 283.311 | 10.293 | 0.28108 | 2.33123 | 121 | S |
| K13R19Z | 18.7 | 0.15 | K13B4 | 43.313  | 121.121 | 173.184 | 4.247  | 0.22753 | 2.36627 | 66  | S |
| K13R21G | 20.5 | 0.15 | K13B4 | 327.263 | 146.306 | 343.551 | 40.811 | 0.67181 | 1.40749 | 39  | X |
| K13R21K | 24.5 | 0.15 | K13B4 | 29.325  | 159.722 | 170.667 | 5.994  | 0.41959 | 1.80392 | 37  | X |
| K13R43H | 22.1 | 0.15 | K13B4 | 26.987  | 103.250 | 216.535 | 4.243  | 0.44767 | 2.09706 | 33  | X |
| K13R43M | 19.9 | 0.15 | K13B4 | 346.107 | 67.881  | 32.143  | 14.359 | 0.58395 | 2.11968 | 31  | X |
| K13R60X | 16.8 | 0.15 | K13B4 | 15.925  | 158.031 | 206.030 | 11.402 | 0.30232 | 2.76186 | 107 | X |
| K13R61P | 17.5 | 0.15 | K13B4 | 341.520 | 187.503 | 212.307 | 13.252 | 0.23164 | 2.46352 | 63  | S |
| K13R68U | 17.2 | 0.15 | K13B4 | 15.321  | 27.256  | 310.132 | 9.327  | 0.16922 | 2.71544 | 63  | S |
| K13R73W | 20.4 | 0.15 | K13B4 | 26.473  | 310.899 | 339.279 | 21.676 | 0.58910 | 2.46947 | 27  | X |
| K13R73X | 25.0 | 0.15 | K13B4 | 8.667   | 216.414 | 170.670 | 3.662  | 0.22857 | 1.36560 | 27  | X |
| K13R74H | 20.9 | 0.15 | K13B4 | 356.011 | 226.716 | 201.116 | 5.523  | 0.59459 | 2.28632 | 26  | X |
| K13R80C | 17.0 | 0.15 | K13B4 | 341.568 | 256.965 | 176.571 | 15.077 | 0.50661 | 3.02638 | 30  | S |
| K13S00H | 18.5 | 0.15 | K13B4 | 7.591   | 150.131 | 215.579 | 22.240 | 0.12822 | 1.85220 | 62  | S |
| K13S19K | 18.6 | 0.15 | K13B4 | 10.829  | 146.996 | 231.412 | 26.539 | 0.43008 | 2.25425 | 12  | X |
| K13S19O | 21.9 | 0.15 | K13B4 | 16.700  | 344.945 | 0.696   | 12.905 | 0.49694 | 2.22907 | 17  | X |
| K13S19X | 23.1 | 0.15 | K13B4 | 33.724  | 329.516 | 1.292   | 27.857 | 0.35706 | 1.62639 | 7   | X |
| K13S19Y | 24.8 | 0.15 | K13B4 | 38.440  | 140.391 | 198.733 | 2.723  | 0.22327 | 1.39770 | 15  | X |
| K13S21E | 23.9 | 0.15 | K13B4 | 3.809   | 8.762   | 19.991  | 3.357  | 0.57151 | 2.48704 | 14  | X |
| K13S24W | 20.8 | 0.15 | K13B4 | 17.634  | 323.545 | 347.369 | 6.150  | 0.65725 | 2.67394 | 15  | X |
| K13S24X | 23.6 | 0.15 | K13B4 | 21.618  | 324.831 | 13.570  | 12.210 | 0.47060 | 1.98312 | 11  | X |
| K13S40P | 16.3 | 0.15 | K13B4 | 8.938   | 180.846 | 215.853 | 10.505 | 0.10297 | 3.12159 | 82  | S |
| K13S49Z | 16.6 | 0.15 | K13B4 | 13.412  | 163.453 | 223.721 | 4.794  | 0.30826 | 2.57337 | 84  | S |
| K13S60X | 16.2 | 0.15 | K13B4 | 18.662  | 195.045 | 138.602 | 11.769 | 0.11092 | 2.87548 | 68  | S |
| K13T04S | 20.8 | 0.15 | K13B4 | 0.450   | 186.486 | 217.320 | 2.604  | 0.35520 | 1.90514 | 8   | X |
| K13T05R | 19.1 | 0.15 | K13B4 | 122.436 | 277.892 | 344.904 | 46.712 | 0.12751 | 0.93157 | 10  | X |
| K13T06A | 24.8 | 0.15 | K13B4 | 7.488   | 189.287 | 194.062 | 18.584 | 0.44498 | 1.90726 | 7   | X |
| K13T06B | 22.5 | 0.15 | K13B4 | 155.429 | 201.846 | 22.642  | 14.356 | 0.48353 | 0.78546 | 7   | X |
| K13T06E | 21.9 | 0.15 | K13B4 | 358.337 | 187.072 | 221.734 | 7.310  | 0.53708 | 2.43472 | 7   | X |
| K13T06F | 21.7 | 0.15 | K13B4 | 118.828 | 39.208  | 202.640 | 22.375 | 0.34603 | 1.21475 | 8   | X |
| K13T06G | 26.5 | 0.15 | K13B4 | 158.004 | 221.084 | 14.020  | 3.215  | 0.12614 | 0.93817 | 6   | X |
| K13T06H | 25.8 | 0.15 | K13B4 | 23.375  | 315.856 | 5.151   | 10.082 | 0.55459 | 2.05375 | 7   | X |
| K13T07L | 17.0 | 0.15 | K13B4 | 55.037  | 123.957 | 195.233 | 21.628 | 0.30137 | 2.33756 | 88  | S |
| K13T52Q | 16.2 | 0.15 | K13B4 | 109.687 | 265.767 | 5.262   | 13.334 | 0.14832 | 2.65434 | 84  | S |
| K13T65R | 17.0 | 0.15 | K13B4 | 346.749 | 221.579 | 208.665 | 12.898 | 0.23091 | 2.65132 | 85  | S |
| K13T69H | 24.2 | 0.15 | K13B4 | 4.062   | 51.514  | 336.471 | 2.297  | 0.55990 | 2.44927 | 5   | X |
| K13T69J | 22.0 | 0.15 | K13B4 | 23.198  | 121.001 | 181.454 | 10.264 | 0.58393 | 2.40101 | 6   | X |
| K13T69K | 23.3 | 0.15 | K13B4 | 353.656 | 254.439 | 176.224 | 5.085  | 0.62862 | 2.52711 | 6   | X |
| K13T69L | 21.3 | 0.15 | K13B4 | 1.947   | 187.707 | 198.309 | 34.918 | 0.51506 | 2.40846 | 4   | X |
| K13T69N | 23.2 | 0.15 | K13B4 | 356.463 | 225.869 | 190.263 | 6.558  | 0.58802 | 2.49381 | 3   | X |
| K13T80A | 18.7 | 0.15 | K13B4 | 4.117   | 348.226 | 26.100  | 35.450 | 0.59948 | 4.33675 | 3   | X |
| K13T80B | 17.4 | 0.15 | K13B4 | 348.682 | 18.208  | 58.874  | 12.760 | 0.54912 | 2.83514 | 2   | S |
| K13TC7L | 26.6 | 0.15 | K13B4 | 14.723  | 292.342 | 35.497  | 0.327  | 0.65428 | 2.51544 | 1   | S |
| K13TC7M | 26.6 | 0.15 | K13B4 | 336.128 | 258.452 | 204.479 | 2.609  | 0.41863 | 1.27260 | 1   | S |
| K13TC7N | 26.1 | 0.15 | K13B4 | 201.156 | 2.490   | 198.845 | 13.427 | 0.09725 | 0.93466 | 1   | S |

New one-opposition orbits:

| Object  | H    | G    | Epoch | M       | Peri.   | Node    | Incl.  | e       | a       | Arc | C |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|-----|---|
| K08V10Q | 16.7 | 0.15 | K08AL | 45.872  | 252.633 | 98.505  | 5.163  | 0.11676 | 2.84441 | 5   | W |
| K12O03B | 16.8 | 0.15 | K127C | 345.214 | 76.870  | 254.427 | 8.690  | 0.21537 | 3.14826 | 26  | X |
| K13P44G | 15.6 | 0.15 | K1395 | 346.336 | 12.167  | 23.215  | 27.334 | 0.29636 | 3.06633 | 58  | X |
| K13P73Z | 17.5 | 0.15 | K1395 | 0.677   | 54.648  | 309.469 | 4.872  | 0.20686 | 2.55308 | 62  | X |

|         |      |      |       |         |         |         |        |         |         |    |   |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|----|---|
| K13P74E | 17.2 | 0.15 | K1395 | 15.312  | 355.562 | 335.611 | 13.786 | 0.19753 | 2.75000 | 60 | X |
| K13Q84L | 16.1 | 0.15 | K1395 | 7.599   | 7.598   | 333.272 | 16.860 | 0.20564 | 3.18880 | 44 | X |
| K13R00K | 16.6 | 0.15 | K1395 | 0.003   | 59.321  | 293.606 | 9.952  | 0.19611 | 2.60147 | 40 | X |
| K13R08S | 18.0 | 0.15 | K1395 | 348.438 | 23.657  | 342.744 | 13.913 | 0.23552 | 2.36156 | 44 | S |
| K13R25N | 16.5 | 0.15 | K1395 | 344.059 | 32.199  | 358.504 | 16.940 | 0.20994 | 3.14357 | 40 | S |
| K13R26Q | 17.9 | 0.15 | K1395 | 14.095  | 341.301 | 4.171   | 6.812  | 0.14071 | 2.36975 | 37 | X |
| K13R27J | 17.0 | 0.15 | K1395 | 9.604   | 316.283 | 31.513  | 13.880 | 0.27477 | 2.62212 | 37 | X |
| K13R28Z | 18.4 | 0.15 | K1395 | 12.556  | 342.267 | 3.973   | 20.607 | 0.08938 | 1.90301 | 37 | S |
| K13R30F | 17.5 | 0.15 | K1395 | 5.962   | 308.364 | 45.233  | 7.977  | 0.40509 | 2.67969 | 37 | S |
| K13R34A | 16.0 | 0.15 | K1395 | 23.205  | 334.682 | 359.197 | 17.691 | 0.23009 | 3.16621 | 38 | X |
| K13R35M | 16.3 | 0.15 | K1395 | 351.947 | 340.728 | 53.517  | 11.654 | 0.32906 | 3.07651 | 35 | S |
| K13R43F | 17.1 | 0.15 | K139P | 348.440 | 190.682 | 206.600 | 6.976  | 0.35952 | 2.61491 | 31 | X |
| K13R44E | 17.5 | 0.15 | K1395 | 14.885  | 337.103 | 345.748 | 13.874 | 0.27429 | 2.63443 | 38 | X |
| K13R44R | 17.4 | 0.15 | K1395 | 349.515 | 273.344 | 112.661 | 3.200  | 0.20451 | 2.40932 | 35 | X |
| K13R55R | 17.3 | 0.15 | K1395 | 352.948 | 157.444 | 201.735 | 15.397 | 0.21382 | 2.68727 | 39 | X |
| K13R60O | 16.0 | 0.15 | K139P | 355.922 | 47.660  | 321.994 | 15.951 | 0.21736 | 3.13831 | 30 | X |
| K13R68H | 15.7 | 0.15 | K139P | 328.197 | 184.346 | 235.707 | 11.579 | 0.12831 | 3.16483 | 28 | X |
| K13R84L | 16.8 | 0.15 | K139P | 341.011 | 104.700 | 293.205 | 5.352  | 0.08136 | 2.70334 | 28 | X |
| K13R85F | 17.5 | 0.15 | K139P | 353.903 | 172.818 | 207.401 | 12.151 | 0.19676 | 2.77016 | 28 | X |
| K13R85T | 16.4 | 0.15 | K139P | 346.130 | 36.152  | 357.463 | 16.685 | 0.14729 | 3.10528 | 28 | X |
| K13R87D | 16.5 | 0.15 | K139P | 354.600 | 179.600 | 202.032 | 17.992 | 0.12166 | 3.11024 | 28 | X |
| K13R91M | 17.3 | 0.15 | K139P | 24.823  | 133.802 | 191.344 | 16.196 | 0.28172 | 3.02085 | 27 | X |
| K13R91Y | 17.8 | 0.15 | K139P | 345.335 | 88.256  | 305.837 | 1.418  | 0.22297 | 2.43143 | 27 | X |
| K13R92U | 16.9 | 0.15 | K1395 | 25.418  | 339.904 | 348.374 | 1.920  | 0.21434 | 2.73795 | 36 | X |
| K13R92W | 18.9 | 0.15 | K1395 | 21.782  | 355.480 | 337.139 | 1.571  | 0.17123 | 2.17378 | 36 | X |
| K13R94T | 16.9 | 0.15 | K139P | 27.772  | 348.333 | 345.287 | 5.424  | 0.21009 | 2.60306 | 28 | X |
| K13R95G | 17.8 | 0.15 | K139P | 44.966  | 343.251 | 323.667 | 1.477  | 0.22459 | 2.34831 | 26 | X |
| K13S00D | 15.9 | 0.15 | K1395 | 20.737  | 316.584 | 36.782  | 26.017 | 0.13059 | 2.76394 | 35 | X |
| K13S26H | 16.5 | 0.15 | K1395 | 26.634  | 353.962 | 340.099 | 8.520  | 0.15483 | 2.80160 | 38 | X |
| K13S28H | 17.7 | 0.15 | K139P | 3.440   | 145.675 | 226.958 | 3.611  | 0.17008 | 2.37788 | 13 | X |
| K13S29O | 16.5 | 0.15 | K139P | 5.872   | 96.058  | 273.623 | 4.723  | 0.06964 | 2.75163 | 26 | X |
| K13S29P | 17.7 | 0.15 | K139P | 358.378 | 68.987  | 306.692 | 3.722  | 0.23021 | 2.41788 | 26 | X |
| K13S30C | 16.6 | 0.15 | K139P | 0.831   | 307.887 | 70.538  | 3.940  | 0.14438 | 2.72135 | 11 | X |
| K13S30D | 17.1 | 0.15 | K139P | 29.717  | 134.826 | 191.262 | 12.996 | 0.28630 | 2.62454 | 16 | X |
| K13S39C | 16.9 | 0.15 | K1395 | 352.792 | 6.968   | 15.336  | 9.793  | 0.25286 | 3.05460 | 44 | X |
| K13S40M | 16.4 | 0.15 | K139P | 52.285  | 68.933  | 231.089 | 12.495 | 0.21183 | 2.54412 | 25 | X |
| K13S40N | 16.3 | 0.15 | K139P | 341.800 | 149.938 | 254.093 | 9.219  | 0.20749 | 3.13399 | 15 | X |
| K13S43S | 16.5 | 0.15 | K139P | 37.689  | 278.995 | 40.797  | 14.706 | 0.17008 | 2.39142 | 27 | X |
| K13S44D | 18.2 | 0.15 | K139P | 339.290 | 211.263 | 191.703 | 3.881  | 0.26442 | 2.46953 | 18 | X |
| K13S44H | 17.4 | 0.15 | K139P | 14.982  | 20.191  | 316.175 | 12.045 | 0.24282 | 2.63941 | 28 | X |
| K13S51K | 17.7 | 0.15 | K139P | 335.234 | 339.187 | 74.622  | 3.437  | 0.17280 | 2.35792 | 13 | X |
| K13S51M | 17.2 | 0.15 | K139P | 4.480   | 300.561 | 70.980  | 4.440  | 0.25762 | 2.62847 | 16 | X |
| K13S51O | 18.2 | 0.15 | K139P | 9.887   | 266.765 | 95.075  | 4.026  | 0.25008 | 2.41476 | 13 | X |
| K13S52B | 18.1 | 0.15 | K139P | 22.273  | 256.965 | 78.590  | 2.809  | 0.27738 | 2.33536 | 16 | X |
| K13S52Y | 16.1 | 0.15 | K139P | 45.421  | 265.342 | 37.781  | 15.244 | 0.24163 | 3.11133 | 12 | X |
| K13S52Z | 17.6 | 0.15 | K139P | 69.736  | 213.658 | 68.358  | 6.233  | 0.17796 | 2.20427 | 12 | X |
| K13S53A | 17.0 | 0.15 | K139P | 35.624  | 8.401   | 321.527 | 5.540  | 0.12632 | 2.52105 | 26 | X |
| K13S79Q | 17.5 | 0.15 | K139P | 24.541  | 22.553  | 317.320 | 4.722  | 0.16413 | 2.27319 | 15 | X |
| K13T01F | 17.2 | 0.15 | K1395 | 356.662 | 2.594   | 7.306   | 12.354 | 0.32370 | 2.58325 | 35 | X |
| K13T01J | 17.9 | 0.15 | K139P | 12.418  | 183.747 | 162.909 | 6.672  | 0.29493 | 2.67449 | 26 | X |
| K13T01W | 16.6 | 0.15 | K139P | 18.817  | 125.586 | 232.633 | 5.503  | 0.04832 | 2.70003 | 12 | X |
| K13T02P | 17.3 | 0.15 | K139P | 106.646 | 165.710 | 94.142  | 3.401  | 0.05802 | 2.28682 | 10 | X |
| K13T07E | 17.0 | 0.15 | K139P | 336.888 | 353.721 | 63.322  | 7.181  | 0.19610 | 2.64637 | 13 | X |
| K13T07G | 16.7 | 0.15 | K1395 | 20.517  | 285.076 | 38.079  | 14.860 | 0.42316 | 3.06546 | 35 | X |
| K13T07K | 15.9 | 0.15 | K1395 | 334.778 | 58.457  | 332.280 | 15.363 | 0.21738 | 3.17550 | 38 | X |
| K13T10B | 16.7 | 0.15 | K1395 | 331.198 | 125.991 | 273.351 | 9.253  | 0.15369 | 2.73051 | 45 | X |
| K13T10C | 18.2 | 0.15 | K139P | 350.143 | 55.385  | 329.838 | 10.946 | 0.30854 | 2.64577 | 26 | X |
| K13T10L | 17.0 | 0.15 | K139P | 51.737  | 153.638 | 165.027 | 9.148  | 0.09324 | 2.57277 | 8  | X |
| K13T10R | 17.7 | 0.15 | K139P | 6.982   | 337.075 | 30.279  | 11.999 | 0.19818 | 2.47023 | 16 | X |
| K13T10Z | 16.2 | 0.15 | K139P | 13.214  | 318.459 | 39.099  | 10.881 | 0.07770 | 3.19454 | 8  | X |
| K13T11S | 17.7 | 0.15 | K139P | 22.493  | 342.478 | 1.781   | 2.928  | 0.17969 | 2.25586 | 8  | X |
| K13T12G | 17.0 | 0.15 | K139P | 17.514  | 341.122 | 8.777   | 5.242  | 0.13638 | 2.44760 | 9  | X |
| K13T12H | 17.4 | 0.15 | K139P | 338.810 | 285.248 | 129.860 | 5.324  | 0.21704 | 2.57572 | 6  | X |
| K13T12P | 17.6 | 0.15 | K139P | 7.242   | 314.537 | 49.957  | 8.533  | 0.20082 | 2.57023 | 10 | X |
| K13T19X | 18.5 | 0.15 | K139P | 346.793 | 218.938 | 170.453 | 2.409  | 0.22880 | 2.41627 | 10 | X |
| K13T20B | 17.7 | 0.15 | K139P | 44.377  | 153.766 | 152.152 | 1.577  | 0.19655 | 2.46275 | 10 | X |
| K13T20L | 15.9 | 0.15 | K1395 | 59.586  | 136.913 | 152.474 | 1.579  | 0.15716 | 3.15216 | 40 | X |
| K13T20R | 17.8 | 0.15 | K139P | 329.236 | 28.106  | 26.563  | 2.800  | 0.20492 | 2.66566 | 10 | X |
| K13T21K | 17.5 | 0.15 | K1395 | 27.833  | 183.860 | 136.480 | 2.562  | 0.20355 | 2.38649 | 38 | X |
| K13T21T | 17.8 | 0.15 | K139P | 13.600  | 312.587 | 35.625  | 4.178  | 0.19996 | 2.56183 | 10 | X |
| K13T22H | 18.6 | 0.15 | K139P | 359.865 | 328.236 | 39.854  | 3.109  | 0.20346 | 2.39462 | 10 | X |
| K13T26X | 19.0 | 0.15 | K139P | 7.566   | 158.535 | 200.197 | 0.837  | 0.18213 | 2.14289 | 10 | S |
| K13T31O | 16.9 | 0.15 | K139P | 7.224   | 45.518  | 323.308 | 4.725  | 0.09313 | 2.71561 | 9  | X |
| K13T31Z | 17.4 | 0.15 | K139P | 336.858 | 40.660  | 6.495   | 1.380  | 0.17329 | 2.36759 | 9  | X |
| K13T32W | 17.7 | 0.15 | K139P | 345.476 | 202.682 | 203.669 | 3.565  | 0.29517 | 2.60026 | 15 | X |
| K13T33Y | 17.1 | 0.15 | K139P | 55.270  | 255.736 | 46.841  | 5.051  | 0.24208 | 2.39085 | 9  | X |
| K13T34K | 16.6 | 0.15 | K139P | 345.837 | 211.796 | 194.446 | 14.588 | 0.27485 | 3.17619 | 27 | X |
| K13T36Q | 17.0 | 0.15 | K1395 | 339.920 | 266.632 | 120.719 | 4.680  | 0.10845 | 2.72736 | 36 | X |
| K13T38Z | 16.8 | 0.15 | K139P | 338.636 | 27.168  | 19.974  | 20.761 | 0.28860 | 3.06456 | 27 | X |
| K13T39Q | 16.2 | 0.15 | K139P | 343.822 | 205.892 | 201.102 | 16.854 | 0.19694 | 3.17062 | 9  | X |
| K13T40H | 17.4 | 0.15 | K139P | 13.669  | 154.085 | 202.222 | 7.588  | 0.24890 | 2.74578 | 9  | X |
| K13T43A | 17.6 | 0.15 | K139P | 2.734   | 238.228 | 128.689 | 4.550  | 0.19818 | 2.55743 | 8  | X |
| K13T43J | 16.8 | 0.15 | K139P | 11.452  | 348.131 | 14.533  | 10.956 | 0.16159 | 2.74489 | 28 | X |
| K13T43L | 17.2 | 0.15 | K139P | 344.078 | 30.781  | 12.658  | 8.034  | 0.22155 | 2.77638 | 28 | X |
| K13T44R | 16.3 | 0.15 | K139P | 350.256 | 12.811  | 19.935  | 18.000 | 0.14301 | 3.08955 | 28 | X |
| K13T45Q | 15.8 | 0.15 | K139P | 43.772  | 113.786 | 207.443 | 9.111  | 0.15766 | 3.16805 | 8  | X |
| K13T46B | 18.3 | 0.15 | K139P | 356.863 | 14.879  | 5.054   | 2.452  | 0.20936 | 2.39537 | 28 | X |
| K13T46Y | 17.7 | 0.15 | K139P | 16.399  | 339.053 | 11.891  | 2.549  | 0.21839 | 2.37274 | 16 | X |
| K13T47L | 18.5 | 0.15 | K139P | 15.432  | 313.052 | 33.074  | 2.433  | 0.28782 | 2.38044 | 8  | X |
| K13T49L | 16.0 | 0.15 | K139P | 343.795 | 222.105 | 179.356 | 2.703  | 0.13483 | 3.07561 | 8  | X |
| K13T49N | 17.2 | 0.15 | K139P | 350.841 | 0.987   | 30.147  | 3.802  | 0.16736 | 2.63409 | 8  | X |
| K13T49S | 17.9 | 0.15 | K139P | 19.914  | 281.964 | 42.135  | 2.281  | 0.44566 | 3.14486 | 8  | S |
| K13T49U | 18.1 | 0.15 | K139P | 1.725   | 353.525 | 21.076  | 1.041  | 0.20338 | 2.43235 | 8  | X |
| K13T49V | 17.8 | 0.15 | K139P | 10.985  | 213.827 | 147.901 | 1.686  | 0.19616 | 2.43479 | 8  | X |
| K13T49Y | 18.0 | 0.15 | K139P | 343.814 | 3.855   | 34.465  | 6.645  | 0.10864 | 2.16623 | 9  | X |
| K13T50A | 17.9 | 0.15 | K139P | 339.695 | 266.348 | 140.889 | 3.208  | 0.17920 | 2.38331 | 8  | X |
| K13T50P | 16.7 | 0.15 | K139P | 323.246 | 44.422  | 41.366  | 2.564  | 0.26958 | 2.86078 | 8  | X |

|         |      |      |       |         |         |         |        |         |         |    |    |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|----|----|
| K13T50W | 16.8 | 0.15 | K139P | 1.753   | 341.173 | 35.062  | 4.375  | 0.17337 | 2.65340 | 16 | X  |
| K13T51E | 15.6 | 0.15 | K139P | 327.324 | 25.574  | 42.158  | 11.175 | 0.09186 | 3.10158 | 8  | X  |
| K13T57D | 17.3 | 0.15 | K139P | 63.715  | 332.510 | 315.683 | 4.127  | 0.21882 | 2.33902 | 9  | X  |
| K13T57J | 15.7 | 0.15 | K139P | 70.760  | 52.856  | 253.299 | 4.916  | 0.01778 | 2.73841 | 7  | X  |
| K13T57O | 18.3 | 0.15 | K139P | 33.598  | 19.530  | 309.300 | 4.394  | 0.17011 | 2.23211 | 7  | X  |
| K13T57R | 17.6 | 0.15 | K139P | 336.558 | 161.927 | 255.798 | 5.246  | 0.28103 | 2.73015 | 7  | X  |
| K13T58O | 16.1 | 0.15 | K139P | 16.852  | 106.617 | 242.348 | 11.885 | 0.23827 | 3.15627 | 7  | S  |
| K13T58P | 17.9 | 0.15 | K139P | 12.869  | 359.568 | 350.921 | 13.147 | 0.29050 | 2.57841 | 15 | X  |
| K13T60P | 15.9 | 0.15 | K139P | 330.155 | 71.192  | 346.077 | 9.697  | 0.10346 | 3.09343 | 15 | X  |
| K13T61P | 16.8 | 0.15 | K139P | 321.254 | 201.056 | 237.649 | 9.585  | 0.24811 | 2.83129 | 7  | S  |
| K13T62Z | 16.1 | 0.15 | K139P | 304.673 | 233.122 | 210.451 | 11.948 | 0.08865 | 3.06221 | 9  | X  |
| K13T63C | 16.1 | 0.15 | K139P | 359.996 | 6.967   | 12.703  | 11.304 | 0.08530 | 3.18955 | 7  | X  |
| K13T65A | 16.5 | 0.15 | K139P | 19.123  | 343.698 | 12.724  | 6.259  | 0.05264 | 2.70898 | 28 | X  |
| K13T65J | 16.6 | 0.15 | K139P | 58.143  | 300.977 | 351.333 | 4.589  | 0.21777 | 2.66512 | 7  | X  |
| K13T65Q | 17.3 | 0.15 | K139P | 341.483 | 215.631 | 211.569 | 33.359 | 0.31882 | 2.59017 | 13 | S  |
| K13T65S | 18.0 | 0.15 | K139P | 17.383  | 7.202   | 345.515 | 8.052  | 0.14849 | 2.27439 | 15 | X  |
| K13T68K | 17.8 | 0.15 | K139P | 3.355   | 119.073 | 250.991 | 5.541  | 0.16961 | 2.20626 | 15 | X  |
| K13T70T | 18.5 | 0.15 | K139P | 333.226 | 230.353 | 175.629 | 3.410  | 0.17354 | 2.35068 | 10 | X  |
| K13T71H | 17.5 | 0.15 | K139P | 317.760 | 79.514  | 347.484 | 6.125  | 0.10957 | 2.37184 | 9  | X  |
| K13T71L | 16.9 | 0.15 | K139P | 68.820  | 297.437 | 2.498   | 10.520 | 0.07015 | 2.69107 | 9  | X  |
| K13T71N | 15.8 | 0.15 | K139P | 281.627 | 268.814 | 215.294 | 10.315 | 0.21846 | 3.16960 | 9  | S  |
| K13T75W | 18.7 | 0.15 | K139P | 6.291   | 52.818  | 309.366 | 1.564  | 0.20299 | 2.37736 | 7  | X  |
| K13T75Y | 16.2 | 0.15 | K139P | 342.679 | 149.873 | 246.133 | 2.789  | 0.10147 | 2.80647 | 7  | X  |
| K13T78D | 18.2 | 0.15 | K139P | 7.102   | 4.865   | 1.142   | 5.200  | 0.24072 | 2.55353 | 5  | S  |
| K13T78M | 17.3 | 0.15 | K139P | 25.900  | 121.876 | 211.634 | 8.240  | 0.21334 | 2.73573 | 6  | X  |
| K13T78S | 17.3 | 0.15 | K139P | 11.638  | 116.780 | 238.625 | 3.488  | 0.19009 | 2.73180 | 6  | X  |
| K13T80R | 18.3 | 0.15 | K139P | 7.851   | 19.264  | 341.353 | 3.456  | 0.22577 | 2.20551 | 30 | X  |
| K13T84V | 18.4 | 0.15 | K139P | 338.356 | 115.238 | 287.422 | 2.739  | 0.22851 | 2.27595 | 10 | S  |
| K13T94M | 17.9 | 0.15 | K139P | 16.600  | 136.405 | 210.045 | 8.365  | 0.19759 | 2.20487 | 10 | S  |
| K13T94P | 16.6 | 0.15 | K139P | 42.464  | 346.285 | 339.431 | 6.654  | 0.10707 | 2.57055 | 10 | X  |
| K13T96C | 16.3 | 0.15 | K139P | 280.804 | 243.010 | 216.704 | 20.894 | 0.06666 | 2.64311 | 9  | S  |
| K13T96M | 17.6 | 0.15 | K139P | 328.160 | 61.865  | 3.514   | 12.118 | 0.22446 | 2.60660 | 10 | X  |
| K13T96N | 17.5 | 0.15 | K139P | 325.694 | 128.014 | 299.722 | 3.132  | 0.20559 | 2.60258 | 9  | X  |
| K13T96S | 18.1 | 0.15 | K139P | 344.307 | 34.703  | 10.200  | 4.157  | 0.28836 | 2.63774 | 9  | X  |
| K13T96V | 18.2 | 0.15 | K139P | 0.776   | 230.562 | 142.462 | 2.688  | 0.22627 | 2.41917 | 10 | X  |
| K13T97L | 17.5 | 0.15 | K139P | 351.459 | 1.154   | 32.857  | 4.458  | 0.23779 | 2.35212 | 27 | X  |
| K13TA0M | 14.7 | 0.15 | K139P | 138.084 | 29.517  | 190.283 | 19.237 | 0.20832 | 3.07267 | 10 | ES |
| K13TA4L | 18.2 | 0.15 | K139P | 16.640  | 18.267  | 327.685 | 1.679  | 0.26057 | 2.39275 | 9  | X  |
| K13TA4O | 17.7 | 0.15 | K139P | 324.645 | 132.512 | 294.112 | 1.527  | 0.17231 | 2.45641 | 8  | X  |
| K13TA7L | 18.0 | 0.15 | K139P | 21.984  | 272.367 | 57.997  | 2.349  | 0.39192 | 2.78100 | 8  | X  |
| K13TB2A | 18.6 | 0.15 | K139P | 15.154  | 331.390 | 25.866  | 21.288 | 0.07040 | 1.92761 | 8  | X  |
| K13TB2G | 16.8 | 0.15 | K139P | 93.856  | 73.294  | 191.244 | 5.065  | 0.20365 | 2.33760 | 8  | X  |
| K13TB4B | 18.6 | 0.15 | K139P | 1.923   | 201.426 | 170.390 | 4.414  | 0.24081 | 2.27447 | 8  | X  |
| K13TB5P | 17.9 | 0.15 | K139P | 59.045  | 97.177  | 210.305 | 5.684  | 0.10838 | 2.22125 | 7  | ES |
| K13TB8E | 17.5 | 0.15 | K139P | 351.681 | 34.301  | 350.088 | 15.661 | 0.16975 | 2.52552 | 7  | S  |
| K13TB9F | 16.1 | 0.15 | K139P | 51.160  | 67.760  | 252.985 | 10.102 | 0.06692 | 2.88048 | 7  | X  |
| K13TC1M | 17.9 | 0.15 | K139P | 33.529  | 112.999 | 211.376 | 5.231  | 0.18651 | 2.29816 | 7  | X  |
| K13TC5W | 16.8 | 0.15 | K139P | 11.522  | 154.897 | 202.815 | 14.616 | 0.13998 | 2.67589 | 6  | X  |
| K13TC6O | 17.4 | 0.15 | K139P | 359.027 | 60.347  | 312.326 | 2.687  | 0.20605 | 2.59723 | 17 | S  |

## New observations:

|         |        |    |             |    |       |       |     |      |      |            |            |
|---------|--------|----|-------------|----|-------|-------|-----|------|------|------------|------------|
| J99S10K | C2013  | 10 | 11.12292    | 00 | 31    | 34.39 | +04 | 35   | 07.9 | 18.6       | RrET093Y00 |
| J99S10K | C2013  | 10 | 11.13054    | 00 | 31    | 33.65 | +04 | 34   | 59.0 | 18.3       | RrET093Y00 |
| J99S10K | C2013  | 10 | 11.13861    | 00 | 31    | 32.87 | +04 | 34   | 46.9 | 18.4       | RrET093Y00 |
| K00J01F | C2013  | 10 | 11.13783    | 23 | 29    | 56.82 | -24 | 29   | 07.1 | 20.9       | VuET093807 |
| K00J01F | C2013  | 10 | 11.14336    | 23 | 29    | 56.63 | -24 | 29   | 01.0 | 21.0       | VuET093807 |
| K00J01F | C2013  | 10 | 11.14888    | 23 | 29    | 56.47 | -24 | 28   | 55.2 | 20.9       | VuET093807 |
| K01A43V | JC2013 | 10 | 12.18323    | 23 | 25    | 46.47 | -04 | 45   | 50.1 | 20.5       | RoET093695 |
| K01A43V | JC2013 | 10 | 12.18443    | 23 | 25    | 46.30 | -04 | 45   | 50.6 | 20.3       | RoET093695 |
| K01A43V | JC2013 | 10 | 12.18561    | 23 | 25    | 46.13 | -04 | 45   | 51.0 | 20.3       | RoET093695 |
| K01A43V | JC2013 | 10 | 12.18677    | 23 | 25    | 45.98 | -04 | 45   | 51.7 | 20.5       | RoET093695 |
| K02M01T | KC2013 | 10 | 11.13844422 | 51 | 57.32 | -02   | 43  | 41.8 | 23.0 | VuET093H21 |            |
| K02M01T | KC2013 | 10 | 11.15527422 | 51 | 57.99 | -02   | 43  | 47.4 | 22.4 | VuET093H21 |            |
| K02M01T | KC2013 | 10 | 11.17230522 | 51 | 58.69 | -02   | 43  | 52.0 | 22.5 | VuET093H21 |            |
| K02M03S | KC2013 | 06 | 11.16960815 | 05 | 14.22 | +14   | 06  | 32.1 | 21.5 | VuET093H21 |            |
| K02M03S | KC2013 | 06 | 11.17925315 | 05 | 13.32 | +14   | 06  | 26.3 | 21.2 | VuET093H21 |            |
| K02M03S | KC2013 | 06 | 11.18815815 | 05 | 12.48 | +14   | 06  | 21.5 | 21.5 | VuET093H21 |            |
| K02V94R | C2013  | 10 | 10.98857    | 19 | 26    | 04.00 | -33 | 52   | 27.7 | 20.1       | VuET093807 |
| K02V94R | C2013  | 10 | 10.99107    | 19 | 26    | 04.43 | -33 | 52   | 25.8 | 20.0       | VuET093807 |
| K02V94R | C2013  | 10 | 10.99357    | 19 | 26    | 04.86 | -33 | 52   | 24.4 | 19.9       | VuET093807 |
| K02V94R | C2013  | 10 | 10.99607    | 19 | 26    | 05.29 | -33 | 52   | 22.9 | 20.3       | VuET093807 |
| K06KB2Z | C2013  | 10 | 11.22529    | 00 | 28    | 36.79 | -20 | 44   | 28.0 | 20.8       | VuET093807 |
| K06KB2Z | C2013  | 10 | 11.23094    | 00 | 28    | 36.26 | -20 | 44   | 32.7 | 20.8       | VuET093807 |
| K06KB2Z | C2013  | 10 | 11.23658    | 00 | 28    | 35.72 | -20 | 44   | 37.4 | 20.9       | VuET093807 |
| K07M13L | C2013  | 10 | 11.24552    | 01 | 02    | 10.23 | -48 | 35   | 52.2 | 20.5       | VuET093807 |
| K07M13L | C2013  | 10 | 11.24869    | 01 | 02    | 10.01 | -48 | 35   | 51.9 | 20.5       | VuET093807 |
| K07M13L | C2013  | 10 | 11.25188    | 01 | 02    | 09.80 | -48 | 35   | 51.7 | 20.7       | VuET093807 |
| K07M13L | C2013  | 10 | 11.25507    | 01 | 02    | 09.59 | -48 | 35   | 51.5 | 20.4       | VuET093807 |
| K07M13L | C2013  | 10 | 11.25828    | 01 | 02    | 09.33 | -48 | 35   | 51.3 | 20.3       | VuET093807 |
| K08C05A | KC2013 | 10 | 11.09161422 | 38 | 02.02 | +24   | 01  | 01.4 |      |            | uET093H21  |
| K08C05A | KC2013 | 10 | 11.10361022 | 38 | 01.38 | +24   | 00  | 53.3 | 21.9 | VuET093H21 |            |
| K08C05A | KC2013 | 10 | 11.11982122 | 38 | 00.42 | +24   | 00  | 42.7 | 22.2 | VuET093H21 |            |
| K08H38B | C2013  | 09 | 19.16723    | 22 | 32    | 50.33 | -39 | 06   | 03.9 | 16.5       | VuET093807 |
| K08H38B | C2013  | 09 | 19.16803    | 22 | 32    | 51.74 | -39 | 05   | 49.6 | 16.9       | VuET093807 |
| K08H38B | C2013  | 09 | 19.16902    | 22 | 32    | 53.49 | -39 | 05   | 31.4 | 16.1       | VuET093807 |
| K08H38B | C2013  | 09 | 19.17003    | 22 | 32    | 55.32 | -39 | 05   | 12.6 | 16.2       | VuET093807 |
| K08H38B | C2013  | 09 | 19.17105    | 22 | 32    | 57.13 | -39 | 04   | 53.1 | 16.4       | VuET093807 |
| K08H38B | C2013  | 09 | 19.17205    | 22 | 32    | 58.83 | -39 | 04   | 35.6 | 15.9       | VuET093807 |
| K08K05Z | C2013  | 10 | 10.20231    | 02 | 29    | 50.80 | -48 | 42   | 56.5 | 17.4       | RrET093Y00 |
| K08K05Z | C2013  | 10 | 10.20574    | 02 | 29    | 50.99 | -48 | 42   | 42.4 | 17.7       | RrET093Y00 |
| K08K05Z | C2013  | 10 | 10.20931    | 02 | 29    | 51.32 | -48 | 42   | 25.1 | 17.4       | RrET093Y00 |
| K08T01A | C2013  | 10 | 11.33755    | 01 | 54    | 19.43 | +12 | 44   | 00.8 | 19.2       | VqET093703 |
| K08T01A | C2013  | 10 | 11.34252    | 01 | 54    | 18.77 | +12 | 43   | 59.8 | 19.8       | VqET093703 |
| K08T01A | C2013  | 10 | 11.34762    | 01 | 54    | 18.05 | +12 | 44   | 02.3 | 19.2       | VqET093703 |
| K08T01A | C2013  | 10 | 11.35265    | 01 | 54    | 17.39 | +12 | 44   | 02.9 | 19.6       | VqET093703 |
| K08U90N | C2013  | 10 | 10.28238    | 01 | 06    | 36.36 | -22 | 51   | 17.4 | 17.7       | RrET093Y00 |
| K08U90N | C2013  | 10 | 10.28595    | 01 | 06    | 35.50 | -22 | 51   | 05.6 | 17.8       | RrET093Y00 |

K08U90N C2013 10 10.28941 01 06 34.91 -22 50 54.3  
 K08V00N |C2013 10 10.98804 17 11 25.95 -35 15 16.8  
 K08V00N C2013 10 10.99056 17 11 26.60 -35 15 18.2  
 K08V00N C2013 10 10.99309 17 11 27.26 -35 15 19.6  
 K08V00N C2013 10 10.99560 17 11 27.93 -35 15 21.2  
 K08X02P C2013 10 11.15880 23 30 33.27 -54 45 31.9  
 K08X02P C2013 10 11.16096 23 30 33.05 -54 45 29.0  
 K08X02P C2013 10 11.16311 23 30 32.88 -54 45 25.9  
 K08X02P C2013 10 11.16525 23 30 32.67 -54 45 23.1  
 K08X02P C2013 10 11.16739 23 30 32.45 -54 45 20.3  
 K09S01K C2013 10 10.26975 01 14 54.80 -12 05 36.4  
 K09S01K C2013 10 10.27354 01 14 54.54 -12 05 45.4  
 K09S01K C2013 10 10.27802 01 14 54.26 -12 05 58.6  
 K10G06Y KC2013 09 26.04501017 48 53.29 +31 24 12.3  
 K10G06Y KC2013 09 26.05669517 48 57.51 +31 23 43.7  
 K10T54N C2013 10 11.21896 23 18 57.56 +14 22 09.3  
 K10T54N C2013 10 11.22396 23 18 57.87 +14 22 07.0  
 K10T54N C2013 10 11.22902 23 18 58.21 +14 22 05.1  
 K10T54N C2013 10 11.23406 23 18 58.61 +14 22 02.6  
 K10V01D C2013 10 10.27062 02 00 58.74 +04 59 54.6  
 K10V01D C2013 10 10.27442 02 00 58.29 +05 00 09.2  
 K10V01D C2013 10 10.27714 02 00 57.93 +05 00 18.3  
 K10V01D C2013 10 11.33476 01 59 18.69 +06 00 29.7  
 K10V01D C2013 10 11.33973 01 59 18.15 +06 00 45.7  
 K10V01D C2013 10 11.34481 01 59 17.58 +06 01 02.1  
 K10V01D C2013 10 11.34986 01 59 16.95 +06 01 19.4  
 K10V01D tC2013 10 11.39411 01 59 11.94 +06 03 45.7  
 K10V01D tC2013 10 11.40982 01 59 10.12 +06 04 37.5  
 K10V01D tC2013 10 11.42404 01 59 08.53 +06 05 23.6  
**K11UF8W ]C2013 10 12.20219 02 52 39.68 +30 42 22.5**  
**K11UF8W ]C2013 10 12.20383 02 52 39.50 +30 42 21.6**  
**K11UF8W ]C2013 10 12.20548 02 52 39.30 +30 42 20.8**  
**K11UF8W ]C2013 10 12.20795 02 52 39.01 +30 42 19.6**  
 K11W95U C2013 10 11.17260 03 37 05.54 -02 11 09.9  
 K11W95U C2013 10 11.18528 03 37 03.39 -02 10 56.2  
 K11W95U C2013 10 11.19512 03 37 01.62 -02 10 46.3  
 K12E14R C2013 10 10.30413 03 48 20.15 +02 01 35.3  
 K12E14R C2013 10 10.30595 03 48 20.83 +02 01 43.4  
 K12E14R C2013 10 10.30779 03 48 21.46 +02 01 52.2  
 K12T00S tC2013 10 11.17514 23 21 56.08 -15 20 49.2  
 K12T00S tC2013 10 11.18935 23 21 56.54 -15 22 29.9  
 K12T00S tC2013 10 11.20806 23 21 57.15 -15 24 42.2  
 K12V37E KC2013 10 09.28875 03 34 52.60 +05 24 06.0  
 K12V37E KC2013 10 09.29743 03 34 51.66 +05 24 05.2  
 K12V37E KC2013 10 09.30613 03 34 50.71 +05 24 04.7  
 K13CC9E ]C2013 08 27.32299 00 09 20.25 -22 59 05.8  
 K13CC9E ]C2013 08 27.32680 00 09 19.36 -22 59 01.8  
 K13CC9E ]C2013 08 27.33055 00 09 18.50 -22 58 57.8  
 K13E89R KC2013 10 09.39749903 53 00.56 +54 48 55.1  
 K13E89R KC2013 10 09.40803303 52 58.58 +54 49 09.4  
 K13E89R KC2013 10 09.41983303 52 56.43 +54 49 24.5  
 K13K01Y ]C2013 10 11.17679 23 36 35.32 -32 05 37.0  
 K13K01Y ]C2013 10 11.18238 23 36 35.15 -32 05 35.7  
 K13K01Y ]C2013 10 11.18797 23 36 34.97 -32 05 34.3  
 K13M05X C2013 10 11.21565 23 29 52.35 +13 24 02.7  
 K13M05X C2013 10 11.22061 23 29 52.40 +13 23 59.3  
 K13M05X C2013 10 11.22566 23 29 52.43 +13 23 55.7  
 K13M05X C2013 10 11.23069 23 29 52.40 +13 23 50.4  
 K13N00J KC2013 10 12.09447 17 17 46.11 -06 53 34.1  
 K13N00J KC2013 10 12.10460 17 17 46.94 -06 53 33.9  
 K13005N ]C2013 10 11.27122 03 44 44.02 +02 25 36.9  
 K13005N ]C2013 10 11.27337 03 44 43.86 +02 25 36.2  
 K13005N ]C2013 10 11.27551 03 44 43.72 +02 25 35.5  
 K13005N ]C2013 10 11.27764 03 44 43.58 +02 25 34.7  
 K13005N ]C2013 10 11.27978 03 44 43.43 +02 25 33.9  
 K13P06V C2013 10 11.38897 02 55 39.12 +07 24 46.5  
 K13P06V C2013 10 11.39397 02 55 39.07 +07 24 41.2  
 K13P06V C2013 10 11.39903 02 55 39.01 +07 24 36.5  
 K13P06V C2013 10 11.40412 02 55 38.94 +07 24 31.5  
 K13P43R KC2013 10 11.21590023 52 51.93 +08 36 47.5  
 K13P43R KC2013 10 11.23235023 52 52.06 +08 36 44.0  
 K13P43R KC2013 10 11.24912623 52 52.14 +08 36 39.7  
 K13R21G KC2013 10 12.12325 20 29 00.97 +09 48 43.2  
 K13R21G KC2013 10 12.12649 20 29 00.23 +09 48 44.6  
 K13R21G KC2013 10 12.12974 20 28 59.47 +09 48 46.2  
 K13R21K KC2013 10 11.29055202 13 17.05 -07 00 48.0  
 K13R21K KC2013 10 11.30765002 13 16.96 -07 00 54.3  
 K13R21K KC2013 10 11.32112402 13 16.85 -07 00 59.8  
 K13R43H KC2013 09 26.10863222 54 14.78 +06 23 10.8  
 K13R43H KC2013 09 26.11300122 54 15.28 +06 23 07.5  
 K13R43H KC2013 09 26.11785522 54 15.84 +06 23 03.5  
 K13R43M KC2013 10 11.31126 02 39 41.84 +02 59 51.3  
 K13R43M KC2013 10 11.31768 02 39 41.89 +03 00 04.2  
 K13R43M KC2013 10 11.32301 02 39 41.94 +03 00 15.0  
 K13R43M KC2013 10 11.32756 02 39 42.00 +03 00 24.1  
 K13R73W KC2013 10 11.06946921 57 07.77 +16 15 06.1  
 K13R73W KC2013 10 11.08186221 57 08.53 +16 15 15.3  
 K13R73W KC2013 10 11.09564221 57 09.32 +16 15 25.6  
 K13R73X ]C2013 10 11.10754 01 06 08.16 -22 25 52.6  
 K13R73X ]C2013 10 11.11268 01 06 09.74 -22 26 01.0  
 K13R73X ]C2013 10 11.11775 01 06 11.30 -22 26 09.0  
 K13R74H C2013 10 10.29201 02 43 23.92 +19 21 36.8  
 K13R74H C2013 10 10.29286 02 43 24.79 +19 21 36.6  
 K13R74H C2013 10 10.29373 02 43 25.70 +19 21 36.1  
 K13R74H C2013 10 11.06709 02 57 41.20 +19 15 07.6  
 K13R74H C2013 10 11.06859 02 57 42.85 +19 15 07.0  
 K13R74H C2013 10 11.07009 02 57 44.62 +19 15 06.4

18.1 RrET093Y00  
 20.5 VuET093807  
 20.4 VuET093807  
 20.5 VuET093807  
 20.5 VuET093807  
 20.1 VuET093807  
 20.2 VuET093807  
 19.5 VuET093807  
 19.5 VuET093807  
 19.5 VuET093807  
 17.8 RrET093Y00  
 17.6 RrET093Y00  
 18.2 RrET093Y00  
 19.6 VuET093H21  
 19.3 VuET093H21  
 18.7 VqET093703  
 18.6 VqET093703  
 18.6 VqET093703  
 18.5 VqET093703  
 18.1 RrET093Y00  
 18.0 RrET093Y00  
 17.7 RrET093Y00  
 18.2 VqET093703  
 18.8 VqET093703  
 18.6 VqET093703  
 18.5 VqET093703  
 19.2 RcET093926  
 19.2 RcET093926  
 18.7 RcET093926  
**19.5 RoET093695**  
**19.6 RoET093695**  
**19.5 RoET093695**  
**19.7 RoET093695**  
 18.2 RrET093Y00  
 18.5 RrET093Y00  
 18.4 RrET093Y00  
 16.3 RrET093Y00  
 16.6 RrET093Y00  
 16.7 RrET093Y00  
 17.6 RcET093926  
 17.7 RcET093926  
 17.7 RcET093926  
 21.4 RoET093291  
 21.2 RoET093291  
 21.3 RoET093291  
 20.2 VuET093807  
 19.9 VuET093807  
 19.9 VuET093807  
 22.1 VuET093H21  
 22.2 VuET093H21  
 VuET093H21  
 21.0 VuET093807  
 21.3 VuET093807  
 21.1 VuET093807  
 19.4 VqET093703  
 19.3 VqET093703  
 19.6 VqET093703  
 19.5 VqET093703  
 21.7 RoET093291  
 oET093291  
 20.2 VuET093807  
 19.9 VuET093807  
 20.4 VuET093807  
 20.3 VuET093807  
 20.2 VuET093807  
 18.4 VqET093703  
 18.1 VqET093703  
 18.0 VqET093703  
 18.2 VqET093703  
 22.1 VuET093H21  
 21.9 VuET093H21  
 21.9 VuET093H21  
 20.3 RoET093291  
 20.2 RoET093291  
 20.2 RoET093291  
 VuET093H21  
 22.1 VuET093H21  
 21.8 VuET093H21  
 20.3 VuET093H21  
 20.1 VuET093H21  
 20.1 VuET093H21  
 17.7 RqET093448  
 18.2 RqET093448  
 18.3 RqET093448  
 18.2 RqET093448  
 20.9 VuET093H21  
 21.1 VuET093H21  
 21.2 VuET093H21  
 20.7 VuET093807  
 20.5 VuET093807  
 20.8 VuET093807  
 16.3 RrET093Y00  
 16.2 RrET093Y00  
 16.1 RrET093Y00  
 15.9 RqET093C23  
 16.0 RqET093C23  
 15.8 RqET093C23



K13R74H C2013 10 11.07233 02 57 47.02 +19 15 05.0  
 K13R74H C2013 10 11.07383 02 57 48.69 +19 15 04.1  
 K13S19K KC2013 09 26.27694903 27 16.93 +58 41 33.4  
 K13S19K KC2013 09 26.28198203 27 17.70 +58 41 26.8  
 K13S19K KC2013 09 26.28679903 27 18.55 +58 41 21.5  
 K13S19O KC2013 10 11.21513 00 10 57.69 +26 26 04.9  
 K13S19O KC2013 10 11.23129 00 10 57.68 +26 26 54.2  
 K13S19O KC2013 10 11.24477 00 10 57.68 +26 27 34.8  
 K13S19X KC2013 09 26.18208000 24 02.43 +20 20 20.8  
 K13S19X KC2013 09 26.18426200 24 00.99 +20 20 52.0  
 K13S19X KC2013 09 26.18613100 23 59.75 +20 21 18.5  
 K13S19X KC2013 09 26.18779300 23 58.66 +20 21 42.8  
 K13S19X KC2013 09 26.19028800 23 57.04 +20 22 18.4  
 K13S19Y KC2013 09 26.16555700 19 13.21 +10 28 46.6  
 K13S19Y KC2013 09 26.16973100 19 13.67 +10 28 41.0  
 K13S19Y KC2013 09 26.17412400 19 14.15 +10 28 34.9  
 K13S21E C2013 10 11.33862 02 14 56.97 +12 52 31.6  
 K13S21E C2013 10 11.34366 02 14 59.67 +12 53 04.1  
 K13S21E C2013 10 11.34873 02 15 02.56 +12 53 35.1  
 K13S21E C2013 10 11.35375 02 15 05.17 +12 54 09.0  
 K13S24W KC2013 10 11.18357 23 56 58.44 +18 52 25.9  
 K13S24W KC2013 10 11.18954 23 56 59.16 +18 52 27.3  
 K13S24W KC2013 10 11.19607 23 56 59.99 +18 52 29.0  
 K13S24W C2013 10 11.24110 23 57 05.89 +18 52 37.5  
 K13S24W C2013 10 11.24602 23 57 06.54 +18 52 38.7  
 K13S24W C2013 10 11.25105 23 57 07.20 +18 52 39.7  
 K13S24W KC2013 10 12.19985 23 59 19.35 +18 55 15.1  
 K13S24W KC2013 10 12.20216 23 59 19.62 +18 55 15.2  
 K13S24W KC2013 10 12.20448 23 59 19.90 +18 55 15.7  
 K13S24X C2013 10 11.26700 00 52 47.05 +14 07 03.0  
 K13S24X C2013 10 11.27194 00 52 46.90 +14 07 28.3  
 K13S24X C2013 10 11.27700 00 52 46.65 +14 07 56.1  
 K13S24X C2013 10 11.28194 00 52 46.46 +14 08 23.9  
 K13T04S KC2013 10 11.37442703 10 50.23 +20 18 03.1  
 K13T04S KC2013 10 11.37919303 10 50.73 +20 18 02.5  
 K13T04S KC2013 10 11.38375903 10 51.21 +20 18 02.1  
 K13T05R KC2013 10 12.11334 17 25 51.37 +32 38 01.4  
 K13T05R KC2013 10 12.11498 17 25 51.59 +32 38 04.6  
 K13T05R KC2013 10 12.11663 17 25 51.83 +32 38 08.0  
 K13T06A KC2013 10 11.35830402 52 02.65 -11 01 04.2  
 K13T06A KC2013 10 11.36385302 52 06.48 -11 02 21.4  
 K13T06A KC2013 10 11.36913102 52 10.10 -11 03 34.7  
 K13T06B KC2013 10 11.34504003 04 57.25 +09 24 53.8  
 K13T06B KC2013 10 11.34691803 04 55.07 +09 24 59.4  
 K13T06B KC2013 10 11.34870503 04 52.99 +09 25 04.5  
 K13T06B KC2013 10 11.35030203 04 51.13 +09 25 09.2  
 K13T06B KC2013 10 11.35320103 04 47.77 +09 25 17.9  
 K13T06B C2013 10 11.39618 03 03 59.84 +09 27 35.7  
 K13T06B C2013 10 11.40133 03 03 53.87 +09 27 50.9  
 K13T06B C2013 10 11.40634 03 03 48.07 +09 28 05.8  
 K13T06E KC2013 10 11.26667 01 08 02.67 +26 17 11.8  
 K13T06E KC2013 10 11.27668 01 08 04.50 +26 17 08.1  
 K13T06E KC2013 10 11.28959 01 08 06.88 +26 17 03.3  
 K13T06E KC2013 10 11.32694101 08 13.07 +26 16 41.6  
 K13T06E KC2013 10 11.33119001 08 13.85 +26 16 39.4  
 K13T06E KC2013 10 11.33456601 08 14.49 +26 16 37.7  
 K13T06E KC2013 10 11.33793201 08 15.12 +26 16 36.4  
 K13T06E KC2013 10 11.34153601 08 15.80 +26 16 34.5  
 K13T06F KC2013 10 11.15571600 48 35.24 +13 09 27.3  
 K13T06F KC2013 10 11.16617500 48 34.09 +13 08 51.6  
 K13T06F KC2013 10 11.17692100 48 32.92 +13 08 15.2  
 K13T06F KC2013 10 12.21367 00 46 48.86 +12 10 10.0  
 K13T06F KC2013 10 12.21572 00 46 48.62 +12 10 02.9  
 K13T06F KC2013 10 12.21776 00 46 48.40 +12 09 56.0  
 K13T06G |C2013 10 11.01041 23 00 03.73 -00 49 48.8  
 K13T06G |C2013 10 11.01296 23 00 03.26 -00 49 37.6  
 K13T06G |C2013 10 11.01550 23 00 02.79 -00 49 26.6  
 K13T06G |C2013 10 11.01804 23 00 02.28 -00 49 15.2  
 K13T06G KC2013 10 11.04373123 00 00.52 -00 52 42.8  
 K13T06G KC2013 10 11.05152122 59 59.12 -00 52 07.7  
 K13T06G KC2013 10 11.05927122 59 57.77 -00 51 33.3  
 K13T06H C2013 10 12.20431 00 27 51.27 +30 05 50.1  
 K13T06H C2013 10 12.20773 00 27 51.62 +30 05 54.7  
 K13T06H C2013 10 12.22273 00 27 53.14 +30 06 15.4  
 K13T06H C2013 10 12.22918 00 27 53.79 +30 06 23.9  
 K13T69H KC2013 10 11.24887401 41 17.35 +30 34 33.7  
 K13T69H KC2013 10 11.25355601 41 19.67 +30 34 54.7  
 K13T69H KC2013 10 11.25891001 41 22.32 +30 35 18.0  
 K13T69J KC2013 10 12.22198 22 59 09.55 -12 18 14.9  
 K13T69J KC2013 10 12.22513 22 59 10.17 -12 18 15.2  
 K13T69J KC2013 10 12.22828 22 59 10.76 -12 18 16.3  
 K13T69K KC2013 10 12.13472 22 44 13.99 -16 49 25.5  
 K13T69K KC2013 10 12.13825 22 44 13.73 -16 49 32.8  
 K13T69K KC2013 10 12.14180 22 44 13.39 -16 49 42.7  
 K13T69L KC2013 10 11.02295822 17 40.38 +15 16 51.7  
 K13T69L KC2013 10 11.02800522 17 41.47 +15 16 06.5  
 K13T69L KC2013 10 11.03011822 17 41.94 +15 15 47.9  
 K13T69L KC2013 10 11.03537522 17 43.12 +15 14 61.0  
 K13T69N |C2013 10 11.05919 23 19 25.84 -07 29 48.7  
 K13T69N |C2013 10 11.06417 23 19 26.20 -07 30 02.7  
 K13T69N |C2013 10 11.06902 23 19 26.56 -07 30 16.3  
 K13T69N KC2013 10 11.10737523 19 30.20 -07 33 06.1  
 K13T69N KC2013 10 11.11538723 19 30.81 -07 33 28.9  
 K13T69N KC2013 10 11.12394323 19 31.45 -07 33 52.7  
 K13T80B |C2013 10 11.12334 01 54 31.37 -12 36 21.3  
 K13T80B |C2013 10 11.12505 01 54 31.28 -12 36 21.0  
 K13T80B |C2013 10 11.12718 01 54 31.18 -12 36 20.7

15.9 RqET093C23  
 16.1 RqET093C23  
 19.9 VuET093H21  
 19.6 VuET093H21  
 19.9 VuET093H21  
 19.3 RqET093448  
 19.0 RqET093448  
 19.5 RqET093448  
 19.5 VuET093H21  
 19.2 VuET093H21  
 19.3 VuET093H21  
 19.3 VuET093H21  
 19.2 VuET093H21  
 20.4 VuET093H21  
 20.6 VuET093H21  
 20.4 VuET093H21  
 19.3 VqET093703  
 19.7 VqET093703  
 19.7 VqET093703  
 19.4 VqET093703  
 18.7 RqET093448  
 18.8 RqET093448  
 18.8 RqET093448  
 18.7 VqET093703  
 18.7 VqET093703  
 18.7 VqET093703  
 18.7 RoET093291  
 18.5 RoET093291  
 18.3 RoET093291  
 21.0 VqET093703  
 20.4 VqET093703  
 20.4 VqET093703  
 20.1 VqET093703  
 19.7 VuET093H21  
 19.9 VuET093H21  
 20.0 VuET093H21  
 19.3 RoET093291  
 19.1 RoET093291  
 19.5 RoET093291  
 20.4 VuET093H21  
 20.6 VuET093H21  
 20.3 VuET093H21  
 18.6 VuET093H21  
 VuET093H21  
 18.4 VuET093H21  
 18.4 VuET093H21  
 18.1 VuET093H21  
 18.3 VqET093703  
 18.4 VqET093703  
 18.0 VqET093703  
 19.6 RqET093448  
 19.4 RqET093448  
 19.6 RqET093448  
 19.9 VuET093H21  
 19.8 VuET093H21  
 19.8 VuET093H21  
 19.7 VuET093H21  
 19.5 VuET093H21  
 21.4 VuET093H21  
 21.1 VuET093H21  
 VuET093H21  
 20.9 RoET093291  
 20.6 RoET093291  
 21.0 RoET093291  
 20.3 VuET093807  
 20.5 VuET093807  
 20.5 VuET093807  
 20.4 VuET093807  
 20.2 VuET093H21  
 20.1 VuET093H21  
 20.0 VuET093H21  
 21.5 RtET093H01  
 21.8 RtET093H01  
 21.7 RtET093H01  
 21.5 RtET093H01  
 18.7 VuET093H21  
 20.2 VuET093H21  
 19.8 VuET093H21  
 20.8 RoET093291  
 20.6 RoET093291  
 20.5 RoET093291  
 20.3 RoET093291  
 20.2 RoET093291  
 20.5 RoET093291  
 19.6 VuET093H21  
 19.9 VuET093H21  
 20.0 VuET093H21  
 20.1 VuET093H21  
 20.5 VuET093807  
 20.4 VuET093807  
 20.7 VuET093807  
 VuET093H21  
 20.9 VuET093H21  
 20.6 VuET093H21  
 17.8 VuET093807  
 17.8 VuET093807  
 18.0 VuET093807

|         |        |    |              |    |       |       |     |      |      |      |            |
|---------|--------|----|--------------|----|-------|-------|-----|------|------|------|------------|
| K13T80B | C2013  | 10 | 11.12931     | 01 | 54    | 31.07 | -12 | 36   | 20.3 | 17.7 | VuET093807 |
| K13T80B | C2013  | 10 | 11.13101     | 01 | 54    | 31.00 | -12 | 36   | 20.1 | 18.0 | VuET093807 |
| K13T80B | KC2013 | 10 | 11.24482901  | 54 | 25.58 | -12   | 36  | 19.1 |      | 18.0 | VuET093H21 |
| K13T80B | KC2013 | 10 | 11.26280901  | 54 | 24.69 | -12   | 36  | 16.4 |      | 18.3 | VuET093H21 |
| K13T80B | KC2013 | 10 | 11.31817201  | 54 | 21.97 | -12   | 36  | 07.5 |      | 18.1 | VuET093H21 |
| K13T80B | KC2013 | 10 | 11.32308201  | 54 | 21.72 | -12   | 36  | 06.5 |      | 18.1 | VuET093H21 |
| 01980   | C2013  | 10 | 11.29226     | 08 | 58    | 43.18 | +01 | 57   | 04.4 | 18.3 | RrET093Y00 |
| 01980   | C2013  | 10 | 11.29849     | 08 | 58    | 43.82 | +01 | 56   | 58.5 | 18.0 | RrET093Y00 |
| 01980   | C2013  | 10 | 11.30423     | 08 | 58    | 44.44 | +01 | 56   | 48.7 | 17.7 | RrET093Y00 |
| 03753   | C2013  | 10 | 11.20211     | 07 | 23    | 13.21 | -20 | 06   | 19.2 | 16.0 | RrET093Y00 |
| 03753   | C2013  | 10 | 11.20466     | 07 | 23    | 14.08 | -20 | 06   | 22.7 | 16.2 | RrET093Y00 |
| 03753   | C2013  | 10 | 11.20702     | 07 | 23    | 14.88 | -20 | 06   | 27.2 | 16.1 | RrET093Y00 |
| 06063   | C2013  | 10 | 11.41181     | 03 | 40    | 12.42 | +09 | 47   | 57.0 | 15.7 | VqET093703 |
| 06063   | C2013  | 10 | 11.41684     | 03 | 40    | 12.77 | +09 | 47   | 52.0 | 15.7 | VqET093703 |
| 06063   | C2013  | 10 | 11.42181     | 03 | 40    | 13.12 | +09 | 47   | 47.4 | 15.8 | VqET093703 |
| 06063   | C2013  | 10 | 11.42684     | 03 | 40    | 13.48 | +09 | 47   | 42.0 | 15.7 | VqET093703 |
| 24445   | C2013  | 10 | 11.21981     | 07 | 13    | 31.76 | +05 | 21   | 32.0 | 15.1 | RrET093Y00 |
| 24445   | C2013  | 10 | 11.22170     | 07 | 13    | 32.41 | +05 | 21   | 21.2 | 15.2 | RrET093Y00 |
| 24445   | C2013  | 10 | 11.22369     | 07 | 13    | 33.12 | +05 | 21   | 09.7 | 15.2 | RrET093Y00 |
| 30825   | C2013  | 10 | 11.33808     | 01 | 55    | 51.60 | +11 | 26   | 17.3 | 19.1 | VqET093703 |
| 30825   | C2013  | 10 | 11.34309     | 01 | 55    | 51.25 | +11 | 26   | 16.2 | 19.0 | VqET093703 |
| 30825   | C2013  | 10 | 11.34818     | 01 | 55    | 50.94 | +11 | 26   | 12.2 | 18.5 | VqET093703 |
| 30825   | C2013  | 10 | 11.35321     | 01 | 55    | 50.60 | +11 | 26   | 11.7 | 19.1 | VqET093703 |
| 53435   | C2013  | 10 | 11.31176     | 07 | 01    | 37.26 | +20 | 26   | 24.4 | 15.9 | RrET093Y00 |
| 53435   | C2013  | 10 | 11.31628     | 07 | 01    | 38.24 | +20 | 26   | 31.5 | 15.8 | RrET093Y00 |
| 53435   | C2013  | 10 | 11.31961     | 07 | 01    | 38.97 | +20 | 26   | 36.8 | 15.9 | RrET093Y00 |
| 65733   | C2013  | 10 | 11.19521     | 23 | 20    | 31.79 | +04 | 59   | 42.7 | 17.4 | VqET093703 |
| 65733   | C2013  | 10 | 11.20020     | 23 | 20    | 30.65 | +04 | 59   | 38.2 | 17.5 | VqET093703 |
| 65733   | C2013  | 10 | 11.20515     | 23 | 20    | 29.55 | +04 | 59   | 33.9 | 17.6 | VqET093703 |
| 65733   | C2013  | 10 | 11.21027     | 23 | 20    | 28.42 | +04 | 59   | 29.0 | 17.9 | VqET093703 |
| 85709   | C2013  | 10 | 11.17260     | 03 | 34    | 51.35 | -02 | 52   | 51.8 | 18.7 | RrET093Y00 |
| 85709   | C2013  | 10 | 11.18528     | 03 | 34    | 50.65 | -02 | 53   | 05.9 | 18.7 | RrET093Y00 |
| 85709   | C2013  | 10 | 11.19512     | 03 | 34    | 50.32 | -02 | 53   | 16.9 | 18.5 | RrET093Y00 |
| 90367   | C2013  | 04 | 11.40758     | 19 | 12    | 20.26 | -14 | 03   | 31.1 | 20.4 | VuET093807 |
| 90367   | C2013  | 04 | 11.41178     | 19 | 12    | 20.73 | -14 | 03   | 30.6 | 20.5 | VuET093807 |
| 90367   | C2013  | 04 | 11.41597     | 19 | 12    | 21.20 | -14 | 03   | 30.4 | 20.4 | VuET093807 |
| 90367   | C2013  | 04 | 11.42018     | 19 | 12    | 21.65 | -14 | 03   | 30.9 | 20.4 | VuET093807 |
| F2558   | C2013  | 10 | 11.17543     | 03 | 13    | 18.16 | -29 | 48   | 10.3 | 18.4 | RrET093Y00 |
| F2558   | C2013  | 10 | 11.18152     | 03 | 13    | 17.83 | -29 | 48   | 20.4 | 18.0 | RrET093Y00 |
| F9609   | KC2013 | 06 | 11.367642219 | 29 | 17.70 | +20   | 26  | 02.6 |      | 19.1 | VuET093H21 |
| F9609   | KC2013 | 06 | 11.37120819  | 29 | 17.59 | +20   | 26  | 01.7 |      | 19.2 | VuET093H21 |
| F9699   | C2013  | 10 | 10.19520     | 23 | 27    | 17.08 | -54 | 38   | 20.5 | 16.4 | RrET093Y00 |
| F9699   | C2013  | 10 | 10.19704     | 23 | 27    | 16.20 | -54 | 38   | 31.6 | 16.5 | RrET093Y00 |
| F9699   | C2013  | 10 | 10.19861     | 23 | 27    | 15.49 | -54 | 38   | 41.3 | 16.3 | RrET093Y00 |
| F9699   | C2013  | 10 | 10.20751     | 23 | 27    | 11.14 | -54 | 39   | 35.5 | 16.9 | RrET093Y00 |
| F9699   | C2013  | 10 | 10.21777     | 23 | 27    | 06.09 | -54 | 40   | 38.5 | 16.8 | RrET093Y00 |
| F9699   | C2013  | 10 | 10.22740     | 23 | 27    | 01.50 | -54 | 41   | 35.6 | 16.9 | RrET093Y00 |
| G2581   | C2013  | 10 | 11.27924     | 06 | 29    | 18.45 | +09 | 10   | 25.4 | 18.4 | RrET093Y00 |
| G2581   | C2013  | 10 | 11.28185     | 06 | 29    | 19.06 | +09 | 10   | 20.4 | 18.7 | RrET093Y00 |
| G2581   | C2013  | 10 | 11.28440     | 06 | 29    | 19.72 | +09 | 10   | 14.1 | 18.6 | RrET093Y00 |
| G9352   | C2013  | 10 | 10.21107     | 00 | 51    | 10.35 | -42 | 41   | 45.1 | 18.5 | RrET093Y00 |
| G9352   | C2013  | 10 | 10.21469     | 00 | 51    | 09.36 | -42 | 41   | 38.6 | 17.9 | RrET093Y00 |
| G9352   | C2013  | 10 | 10.21956     | 00 | 51    | 08.00 | -42 | 41   | 32.1 | 18.6 | RrET093Y00 |
| I9263   | C2013  | 10 | 11.28711     | 08 | 49    | 10.34 | +02 | 34   | 37.7 | 18.3 | RrET093Y00 |
| I9263   | C2013  | 10 | 11.29140     | 08 | 49    | 11.07 | +02 | 34   | 31.5 | 18.0 | RrET093Y00 |
| I9263   | C2013  | 10 | 11.29665     | 08 | 49    | 12.04 | +02 | 34   | 26.4 | 18.1 | RrET093Y00 |
| J4126   | C2013  | 10 | 10.28066     | 01 | 21    | 44.91 | -17 | 44   | 59.7 | 18.6 | RrET093Y00 |
| J4126   | C2013  | 10 | 10.28507     | 01 | 21    | 44.12 | -17 | 44   | 55.3 | 17.5 | RrET093Y00 |
| J4126   | C2013  | 10 | 10.29029     | 01 | 21    | 43.22 | -17 | 44   | 51.6 | 17.8 | RrET093Y00 |
| Z0988   | C2013  | 10 | 10.26889     | 00 | 48    | 48.29 | -22 | 13   | 22.5 | 16.8 | RrET093Y00 |
| Z0988   | C2013  | 10 | 10.27244     | 00 | 48    | 47.93 | -22 | 13   | 32.4 | 16.9 | RrET093Y00 |
| Z0988   | C2013  | 10 | 10.27614     | 00 | 48    | 47.56 | -22 | 13   | 42.7 | 16.9 | RrET093Y00 |
| Z1278   | C2013  | 10 | 10.29854     | 02 | 00    | 12.73 | -13 | 06   | 06.2 | 18.1 | RrET093Y00 |
| Z1278   | C2013  | 10 | 10.30205     | 02 | 00    | 11.70 | -13 | 05   | 59.6 | 18.6 | RrET093Y00 |
| Z1278   | C2013  | 10 | 10.30504     | 02 | 00    | 10.75 | -13 | 05   | 53.8 | 17.8 | RrET093Y00 |
| Z5256   | C2013  | 10 | 11.21896     | 23 | 17    | 43.52 | +15 | 07   | 31.6 | 18.4 | VqET093703 |
| Z5256   | C2013  | 10 | 11.22396     | 23 | 17    | 43.48 | +15 | 07   | 26.0 | 18.7 | VqET093703 |
| Z5256   | C2013  | 10 | 11.22902     | 23 | 17    | 43.48 | +15 | 07   | 21.6 | 18.6 | VqET093703 |
| Z5256   | C2013  | 10 | 11.23406     | 23 | 17    | 43.52 | +15 | 07   | 16.0 | 18.4 | VqET093703 |
| a8664   | C2013  | 10 | 10.19955     | 01 | 40    | 01.46 | -36 | 15   | 07.7 | 16.0 | RrET093Y00 |
| a8664   | C2013  | 10 | 10.20316     | 01 | 40    | 02.09 | -36 | 15   | 21.6 | 15.8 | RrET093Y00 |
| b1336   | C2013  | 08 | 27.37364     | 02 | 19    | 11.64 | -03 | 24   | 20.3 | 20.9 | VuET093807 |
| b1336   | C2013  | 08 | 27.38079     | 02 | 19    | 11.84 | -03 | 24   | 26.8 | 21.0 | VuET093807 |
| b1336   | C2013  | 08 | 27.38758     | 02 | 19    | 12.04 | -03 | 24   | 33.4 | 20.9 | VuET093807 |
| b1660   | C2013  | 10 | 10.28854     | 01 | 48    | 31.06 | -22 | 24   | 47.2 | 18.3 | RrET093Y00 |
| b1660   | C2013  | 10 | 10.30029     | 01 | 48    | 29.96 | -22 | 24   | 46.3 | 18.0 | RrET093Y00 |
| b1660   | C2013  | 10 | 10.30871     | 01 | 48    | 29.16 | -22 | 24   | 45.1 | 17.8 | RrET093Y00 |

A. U. Tomatic

(C) Copyright 2013 MPC

M.P.E.C. 2013-T93

◀ Read MPEC 2013-T92 ▶ Read MPEC 2013-T94

Display MPEC number:

Clear

Enter an MPEC number in one of the following forms:

- 1997-B01 (the full form)
- J97B01 (the packed version of the full form)

- B01 (the abbreviated form)

[Home](#)   [About](#)   [Contact](#)   [For Observers](#)   [For the Public](#)



©2013 The Minor Planet Center. All Rights Reserved.