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## MPEC 2021-W34 : DAILY ORBIT UPDATE (2021 November 22)

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M.P.E.C. 2021-W34

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DAILY ORBIT UPDATE (2021 November 22)

Update to 2021-W32

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

**New identifications:**

|                    |        |
|--------------------|--------|
| K07VD0U    K15TQ1N | Weryk  |
| K17W16Z    K21T49L | Tilley |

**New old-numbered orbit:**

| Object | H    | G    | Epoch | M       | Peri.  | Node    | Incl.  | e       | a       | Opp | C |
|--------|------|------|-------|---------|--------|---------|--------|---------|---------|-----|---|
| 04954  | 12.5 | 0.15 | K221L | 359.914 | 52.549 | 358.425 | 17.430 | 0.44904 | 2.00138 | 25  | V |

**New multiple-opposition orbits:**

| Object  | H    | G    | Epoch | M       | Peri.   | Node    | Incl.  | e       | a       | Opp | C |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|-----|---|
| J97E60J | 16.1 | 0.15 | K221L | 347.448 | 305.524 | 128.676 | 10.364 | 0.08821 | 3.01285 | 13  | X |
| J97M00N | 15.6 | 0.15 | K221L | 264.487 | 252.106 | 265.790 | 18.020 | 0.09182 | 3.17340 | 10  | X |
| J98W38Q | 14.2 | 0.15 | K221L | 330.432 | 27.088  | 54.106  | 15.697 | 0.10020 | 5.15798 | 10  | X |
| K00B37C | 15.6 | 0.15 | K221L | 335.734 | 112.540 | 317.736 | 12.314 | 0.10217 | 3.22614 | 10  | X |
| K00EE2L | 17.5 | 0.15 | K221L | 328.146 | 322.389 | 153.817 | 19.432 | 0.22644 | 2.72827 | 5   | X |
| K00O74A | 17.7 | 0.15 | K221L | 25.365  | 292.455 | 97.628  | 3.143  | 0.10494 | 2.94932 | 6   | V |
| K00SW3V | 17.9 | 0.15 | K221L | 13.077  | 222.333 | 189.630 | 8.448  | 0.17270 | 2.59191 | 5   | X |
| K00T61F | 17.6 | 0.15 | K221L | 38.309  | 335.157 | 26.059  | 35.044 | 0.25541 | 2.60028 | 3   | X |
| K00WK0K | 16.5 | 0.15 | K221L | 26.263  | 225.133 | 155.983 | 6.223  | 0.19823 | 2.98109 | 10  | X |
| K00WK5B | 18.0 | 0.15 | K221L | 189.535 | 150.605 | 94.597  | 24.925 | 0.05049 | 1.92087 | 6   | X |
| K01FI3P | 17.2 | 0.15 | K221L | 92.403  | 300.735 | 2.427   | 4.627  | 0.14156 | 2.75637 | 9   | V |
| K02EG7H | 17.5 | 0.15 | K221L | 344.687 | 300.843 | 152.022 | 18.046 | 0.13641 | 2.59788 | 8   | X |
| K02P08F | 18.5 | 0.15 | K221L | 157.864 | 126.230 | 146.006 | 24.671 | 0.04237 | 1.91506 | 7   | X |
| K02TE2C | 17.1 | 0.15 | K221L | 66.647  | 194.358 | 144.741 | 16.895 | 0.24163 | 2.42979 | 11  | X |
| K02TV8M | 16.9 | 0.15 | K221L | 70.357  | 140.365 | 195.366 | 9.776  | 0.13389 | 2.78545 | 8   | X |
| K02VC5U | 18.7 | 0.15 | K221L | 18.439  | 166.597 | 244.693 | 18.970 | 0.09371 | 1.94704 | 6   | X |
| K03FD7W | 18.5 | 0.15 | K221L | 21.081  | 219.239 | 199.282 | 21.596 | 0.09656 | 1.98616 | 9   | X |
| K03N15G | 17.4 | 0.15 | K221L | 51.054  | 74.596  | 276.660 | 11.568 | 0.20379 | 2.67718 | 3   | X |
| K03Q45N | 15.4 | 0.15 | K221L | 98.847  | 152.609 | 156.857 | 20.149 | 0.10517 | 3.20005 | 10  | X |
| K03S18A | 16.5 | 0.15 | K221L | 37.354  | 169.343 | 191.829 | 8.307  | 0.30753 | 2.70405 | 9   | X |
| K03Sb1C | 17.2 | 0.15 | K221L | 228.001 | 4.708   | 187.976 | 3.565  | 0.14574 | 2.67411 | 12  | X |
| K03Sb8G | 17.9 | 0.15 | K221L | 55.209  | 192.821 | 172.611 | 6.584  | 0.07460 | 2.68667 | 8   | X |
| K03Si7W | 17.8 | 0.15 | K221L | 31.972  | 70.223  | 304.165 | 7.604  | 0.22161 | 2.70907 | 5   | X |
| K03U00R | 17.5 | 0.15 | K221L | 142.684 | 65.498  | 281.610 | 22.712 | 0.25864 | 2.26736 | 9   | X |
| K03U42Q | 19.1 | 0.15 | K221L | 102.546 | 116.729 | 197.917 | 22.087 | 0.17089 | 1.86820 | 6   | X |
| K03UT8J | 19.1 | 0.15 | K221L | 49.090  | 356.773 | 347.753 | 1.282  | 0.18847 | 2.35451 | 3   | X |

|         |      |      |       |         |         |         |        |         |         |    |   |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|----|---|
| K04M03J | 15.6 | 0.15 | K221L | 38.001  | 74.285  | 267.114 | 23.030 | 0.37975 | 3.15152 | 6  | X |
| K04R04N | 16.4 | 0.15 | K221L | 45.534  | 283.974 | 83.028  | 9.500  | 0.08881 | 2.58941 | 11 | X |
| K04R36U | 17.0 | 0.15 | K221L | 46.215  | 346.331 | 7.700   | 12.251 | 0.26832 | 2.60159 | 8  | X |
| K04R64H | 16.3 | 0.15 | K221L | 32.847  | 18.884  | 349.484 | 14.457 | 0.19808 | 3.14745 | 5  | X |
| K04R79Z | 18.4 | 0.15 | K221L | 35.700  | 279.195 | 88.662  | 6.356  | 0.36202 | 2.25994 | 5  | X |
| K04RK1W | 17.6 | 0.15 | K221L | 49.454  | 159.760 | 201.667 | 10.241 | 0.22968 | 2.24283 | 9  | X |
| K04T58Z | 18.6 | 0.15 | K221L | 33.758  | 177.694 | 190.718 | 6.978  | 0.32303 | 2.61520 | 4  | X |
| K04T64X | 17.6 | 0.15 | K221L | 23.434  | 345.214 | 34.646  | 4.901  | 0.29105 | 2.62527 | 6  | X |
| K04VD8W | 18.3 | 0.15 | K221L | 327.108 | 230.553 | 241.727 | 6.252  | 0.22894 | 2.64066 | 3  | V |
| K04XA5K | 15.5 | 0.15 | K221L | 339.250 | 21.815  | 54.596  | 24.076 | 0.10381 | 3.21648 | 8  | X |
| K04Y38U | 17.3 | 0.15 | K221L | 3.258   | 116.443 | 304.303 | 12.123 | 0.15765 | 2.66724 | 4  | X |
| K05B15E | 17.7 | 0.15 | K221L | 335.978 | 341.695 | 126.152 | 15.658 | 0.21853 | 2.65972 | 3  | X |
| K05QH0R | 18.2 | 0.15 | K221L | 45.140  | 76.072  | 332.134 | 20.423 | 0.11386 | 1.89823 | 7  | X |
| K05QI6H | 17.4 | 0.15 | K221L | 174.051 | 280.755 | 4.372   | 1.653  | 0.05504 | 2.87652 | 6  | X |
| K05U85O | 18.5 | 0.15 | K221L | 15.877  | 31.070  | 92.810  | 1.928  | 0.16462 | 2.44842 | 7  | X |
| K05V14C | 17.7 | 0.15 | K221L | 14.115  | 138.176 | 256.256 | 3.886  | 0.17072 | 3.06734 | 5  | X |
| K05VD9Y | 16.9 | 0.15 | K221L | 28.576  | 288.524 | 108.069 | 22.691 | 0.02988 | 2.59228 | 9  | X |
| K05W54S | 18.3 | 0.15 | K221L | 13.349  | 322.308 | 83.663  | 31.527 | 0.51622 | 3.08413 | 2  | X |
| K05Y69Q | 16.9 | 0.15 | K221L | 51.352  | 59.394  | 297.218 | 13.667 | 0.15897 | 2.57953 | 5  | X |
| K05YH4P | 15.9 | 0.15 | K221L | 304.519 | 40.185  | 91.654  | 28.701 | 0.15667 | 3.12348 | 7  | X |
| K05YK8M | 16.8 | 0.15 | K221L | 355.064 | 102.350 | 320.557 | 11.280 | 0.16045 | 2.56880 | 8  | X |
| K05YT4A | 17.4 | 0.15 | K221L | 50.556  | 266.349 | 90.540  | 9.726  | 0.19138 | 2.54432 | 11 | X |
| K06AB7Q | 18.5 | 0.15 | K221L | 4.084   | 291.567 | 131.847 | 16.457 | 0.34438 | 3.11294 | 3  | X |
| K06DM2T | 15.5 | 0.15 | K221L | 155.349 | 157.320 | 99.775  | 25.870 | 0.11626 | 3.20117 | 8  | X |
| K06QK8A | 18.2 | 0.15 | K221L | 341.561 | 258.386 | 185.218 | 5.700  | 0.08249 | 2.37406 | 9  | X |
| K06SE8Z | 18.2 | 0.15 | K221L | 1.554   | 240.406 | 196.688 | 23.525 | 0.25958 | 2.40393 | 5  | X |
| K06SK0K | 17.3 | 0.15 | K221L | 351.346 | 45.156  | 329.442 | 1.094  | 0.14652 | 2.99270 | 6  | X |
| K06SN8F | 19.0 | 0.15 | K221L | 83.593  | 179.496 | 139.202 | 1.883  | 0.20024 | 2.39169 | 4  | X |
| K06SS6W | 18.0 | 0.15 | K221L | 41.600  | 243.854 | 119.221 | 3.985  | 0.23731 | 2.40036 | 7  | X |
| K06Sj9N | 17.3 | 0.15 | K221L | 93.445  | 299.047 | 356.744 | 8.928  | 0.15445 | 2.89232 | 7  | X |
| K06UB0N | 18.7 | 0.15 | K221L | 27.425  | 189.871 | 200.601 | 9.439  | 0.22157 | 2.39220 | 4  | X |
| K06Y68Y | 17.4 | 0.15 | K221L | 210.317 | 103.940 | 76.079  | 4.438  | 0.19140 | 2.53278 | 7  | X |
| K07BA1R | 15.7 | 0.15 | K221L | 89.361  | 170.753 | 142.336 | 20.531 | 0.14689 | 3.11509 | 12 | X |
| K07BB9Q | 16.3 | 0.15 | K221L | 299.599 | 354.145 | 157.025 | 19.763 | 0.18354 | 3.04205 | 8  | V |
| K07RN2F | 18.1 | 0.15 | K221L | 313.719 | 67.543  | 25.048  | 2.924  | 0.13183 | 2.31098 | 7  | X |
| K07RO2M | 16.9 | 0.15 | K221L | 50.313  | 345.416 | 5.928   | 12.857 | 0.20113 | 2.75284 | 7  | X |
| K07T23C | 20.4 | 0.15 | K221L | 10.023  | 14.142  | 55.354  | 12.897 | 0.60852 | 2.81940 | 2  | X |
| K07Tk0L | 17.8 | 0.15 | K221L | 20.840  | 115.699 | 284.238 | 10.350 | 0.16569 | 2.30188 | 8  | X |
| K07To1Y | 17.8 | 0.15 | K221L | 73.243  | 44.077  | 284.625 | 2.244  | 0.20018 | 2.74137 | 4  | V |
| K07VD0U | 18.2 | 0.15 | K221L | 230.325 | 98.433  | 213.432 | 15.748 | 0.18175 | 2.57122 | 4  | V |
| K08E53H | 16.5 | 0.15 | K221L | 113.170 | 155.376 | 120.377 | 8.717  | 0.02779 | 3.07922 | 12 | X |
| K08E92Z | 17.2 | 0.15 | K221L | 330.579 | 18.844  | 103.569 | 9.870  | 0.30301 | 2.87400 | 8  | X |
| K08FE0G | 17.4 | 0.15 | K221L | 70.364  | 150.397 | 173.696 | 18.487 | 0.30664 | 2.53607 | 6  | X |
| K08H62V | 16.4 | 0.15 | K221L | 328.348 | 359.708 | 99.433  | 11.627 | 0.08297 | 3.02803 | 10 | X |
| K08L18U | 17.2 | 0.15 | K221L | 68.520  | 207.571 | 126.836 | 15.920 | 0.21063 | 2.54281 | 9  | X |
| K08R50R | 18.0 | 0.15 | K221L | 14.021  | 209.556 | 200.319 | 7.317  | 0.31846 | 2.63095 | 4  | X |
| K08TH9V | 17.4 | 0.15 | K221L | 39.837  | 295.669 | 64.490  | 13.567 | 0.28145 | 2.65083 | 4  | X |
| K08TNOO | 17.5 | 0.15 | K221L | 29.961  | 185.928 | 194.236 | 13.829 | 0.25289 | 2.62374 | 6  | X |
| K08U96Q | 17.9 | 0.15 | K221L | 16.689  | 354.417 | 58.133  | 22.993 | 0.09047 | 1.89469 | 7  | X |
| K08UJ9Z | 17.6 | 0.15 | K221L | 28.707  | 145.084 | 217.406 | 11.177 | 0.29484 | 2.66051 | 6  | X |
| K08Uc3S | 16.9 | 0.15 | K221L | 349.745 | 171.655 | 256.229 | 15.901 | 0.14490 | 2.66730 | 5  | X |
| K08WC9W | 18.6 | 0.15 | K221L | 40.113  | 296.192 | 67.924  | 6.452  | 0.18471 | 2.22037 | 3  | V |
| K08Y04L | 16.9 | 0.15 | K221L | 18.249  | 293.970 | 111.991 | 20.213 | 0.03529 | 2.74379 | 8  | X |
| K09BH4J | 17.4 | 0.15 | K221L | 1.331   | 274.810 | 149.824 | 17.452 | 0.11641 | 2.76727 | 6  | X |
| K09R25F | 15.9 | 0.15 | K221L | 24.067  | 80.000  | 342.616 | 25.168 | 0.23759 | 3.23013 | 7  | X |
| K09U51G | 19.3 | 0.15 | K221L | 48.198  | 317.924 | 26.794  | 7.003  | 0.23725 | 2.52159 | 5  | X |
| K10AA2R | 13.7 | 0.15 | K221L | 48.571  | 34.423  | 317.874 | 13.372 | 0.05813 | 5.17110 | 11 | X |
| K10B62V | 13.8 | 0.15 | K221L | 20.964  | 245.111 | 141.515 | 21.937 | 0.13376 | 5.22098 | 12 | X |
| K10DB5D | 17.8 | 0.15 | K221L | 293.488 | 67.489  | 63.139  | 4.240  | 0.03874 | 2.67170 | 4  | V |
| K10FC0C | 17.7 | 0.15 | K221L | 15.332  | 48.729  | 355.117 | 12.418 | 0.26456 | 2.55863 | 3  | X |
| K10H95T | 17.1 | 0.15 | K221L | 29.075  | 86.110  | 270.239 | 14.395 | 0.34273 | 3.07068 | 3  | X |
| K10K40R | 16.9 | 0.15 | K221L | 27.665  | 322.686 | 53.391  | 22.637 | 0.25481 | 3.04513 | 3  | X |
| K10LB4X | 16.6 | 0.15 | K221L | 26.310  | 288.946 | 88.581  | 9.982  | 0.14392 | 3.05885 | 2  | V |
| K10M45K | 17.0 | 0.15 | K221L | 348.078 | 70.106  | 4.707   | 18.430 | 0.09837 | 3.02832 | 6  | X |
| K10N80F | 17.4 | 0.15 | K221L | 14.099  | 295.132 | 103.661 | 12.934 | 0.21974 | 3.10500 | 4  | X |
| K10N88U | 16.9 | 0.15 | K221L | 359.043 | 239.102 | 189.804 | 14.361 | 0.30871 | 3.09035 | 4  | X |
| K10O31U | 17.7 | 0.15 | K221L | 40.219  | 89.812  | 260.523 | 19.992 | 0.31691 | 3.10807 | 4  | X |
| K10OA5M | 16.7 | 0.15 | K221L | 4.991   | 189.486 | 211.981 | 13.089 | 0.29865 | 3.15196 | 4  | X |
| K10OC2X | 16.5 | 0.15 | K221L | 25.901  | 303.212 | 73.774  | 24.241 | 0.26342 | 3.12247 | 4  | X |
| K10S37Z | 17.9 | 0.15 | K221L | 46.223  | 313.808 | 33.623  | 5.599  | 0.24126 | 2.36984 | 6  | X |
| K10S63Z | 17.7 | 0.15 | K221L | 352.381 | 247.263 | 191.793 | 17.064 | 0.25144 | 3.06895 | 2  | V |
| K10T05O | 17.9 | 0.15 | K221L | 30.513  | 265.651 | 120.296 | 4.350  | 0.20284 | 2.36114 | 10 | X |
| K10UD3G | 17.2 | 0.15 | K221L | 71.810  | 195.265 | 141.642 | 10.424 | 0.15670 | 3.08929 | 5  | V |
| K10V23X | 13.3 | 0.15 | K221L | 296.411 | 221.608 | 242.065 | 30.500 | 0.00944 | 5.23829 | 12 | X |
| K10VC2N | 13.8 | 0.15 | K221L | 331.815 | 184.891 | 239.602 | 25.654 | 0.14801 | 5.16058 | 5  | X |
| K10VR5R | 17.9 | 0.15 | K221L | 32.245  | 164.951 | 212.771 | 12.166 | 0.21521 | 3.12103 | 3  | V |
| K10VR5S | 17.2 | 0.15 | K221L | 27.589  | 354.268 | 47.762  | 11.128 | 0.07012 | 3.07814 | 3  | V |
| K10XB9V | 15.0 | 0.15 | K221L | 345.640 | 351.673 | 81.207  | 7.527  | 0.15019 | 5.16269 | 6  | V |
| K11F61C | 17.0 | 0.15 | K221L | 37.869  | 358.707 | 11.951  | 15.050 | 0.19721 | 2.58575 | 6  | X |
| K11G91J | 17.5 | 0.15 | K221L | 15.929  | 58.517  | 349.309 | 13.058 | 0.19517 | 2.53456 | 5  | X |
| K11H24F | 16.1 | 0.15 | K221L | 325.221 | 217.340 | 315.013 | 29.551 | 0.37104 | 3.11326 | 6  | X |
| K11L09M | 17.2 | 0.15 | K221L | 39.695  | 305.206 | 68.186  | 15.257 | 0.13193 | 2.65721 | 7  | X |
| K11M15X | 18.8 | 0.15 | K221L | 60.544  | 26.279  | 287.216 | 9.766  | 0.22580 | 2.21304 | 6  | X |
| K11O02O | 16.9 | 0.15 | K221L | 312.112 | 181.278 | 278.841 | 9.955  | 0.07173 | 2.81030 | 8  | X |
| K11O67W | 16.9 | 0.15 | K221L | 92.933  | 4.585   | 276.169 | 9.461  | 0.04791 | 2.86939 | 9  | X |
| K11SK6J | 18.9 | 0.15 | K221L | 46.755  | 189.484 | 178.074 | 7.480  | 0.21642 | 2.20020 | 5  | X |
| K11UW1L | 16.8 | 0.15 | K221L | 356.756 | 61.686  | 3.035   | 14.663 | 0.13267 | 2.92417 | 7  | X |
| K11WE8Z | 18.0 | 0.15 | K221L | 159.866 | 174.958 | 96.943  | 21.640 | 0.06249 | 1.88956 | 6  | X |
| K11X00U | 16.6 | 0.15 | K221L | 37.722  | 298.425 | 62.430  | 15.241 | 0.26814 | 2.96566 | 5  | X |
| K11Y43D | 17.0 | 0.15 | K221L | 42.844  | 261.860 | 102.808 | 16.581 | 0.13321 | 3.05120 | 4  | X |
| K12A36Q | 15.2 | 0.15 | K221L | 1.300   | 342.254 | 71.737  | 4.953  | 0.14275 | 5.16168 | 5  | V |
| K12A36R | 15.0 | 0.15 | K221L | 327.455 | 207.943 | 246.576 | 10.340 | 0.14504 | 5.16802 | 3  | V |
| K12B50R | 17.1 | 0.15 | K221L | 280.118 | 331.262 | 146.981 | 1.728  | 0.13249 | 3.15243 | 8  | X |

|         |      |      |       |         |         |         |        |         |         |      |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|------|
| K12BI6L | 17.3 | 0.15 | K221L | 332.117 | 232.156 | 230.604 | 10.555 | 0.10085 | 3.04758 | 5 V  |
| K12BI6M | 18.8 | 0.15 | K221L | 348.550 | 88.104  | 357.656 | 2.445  | 0.31359 | 3.00393 | 2 V  |
| K12D67O | 15.8 | 0.15 | K221L | 343.142 | 297.567 | 171.971 | 26.600 | 0.22860 | 3.09967 | 11 X |
| K12G12J | 16.7 | 0.15 | K221L | 340.250 | 253.361 | 216.311 | 20.965 | 0.27076 | 2.33096 | 9 X  |
| K12H06Y | 18.1 | 0.15 | K221L | 353.027 | 111.580 | 31.419  | 19.819 | 0.33851 | 2.24925 | 3 X  |
| K12H0A0 | 18.6 | 0.15 | K221L | 357.955 | 15.861  | 61.903  | 23.476 | 0.10795 | 1.92358 | 5 X  |
| K12J05H | 18.3 | 0.15 | K221L | 50.463  | 288.089 | 90.489  | 23.617 | 0.12659 | 1.96573 | 8 X  |
| K12Q58W | 18.2 | 0.15 | K221L | 37.937  | 187.054 | 179.164 | 14.165 | 0.26446 | 2.69170 | 2 X  |
| K12R02J | 18.2 | 0.15 | K221L | 33.859  | 165.467 | 205.197 | 14.662 | 0.33623 | 2.68157 | 2 X  |
| K12R37F | 17.4 | 0.15 | K221L | 17.906  | 241.331 | 166.761 | 15.793 | 0.17743 | 2.63742 | 4 X  |
| K12R48U | 17.2 | 0.15 | K221L | 32.973  | 101.286 | 277.131 | 13.399 | 0.16408 | 2.70527 | 5 X  |
| K12S97E | 18.0 | 0.15 | K221L | 18.561  | 29.341  | 7.974   | 9.819  | 0.32987 | 2.69546 | 3 X  |
| K12S98S | 18.4 | 0.15 | K221L | 71.163  | 122.193 | 199.058 | 12.345 | 0.28366 | 2.67866 | 3 V  |
| K12U27Q | 17.6 | 0.15 | K221L | 37.992  | 106.817 | 247.170 | 30.345 | 0.36773 | 2.72393 | 4 X  |
| K12U01G | 18.4 | 0.15 | K221L | 51.490  | 194.616 | 163.557 | 3.033  | 0.20368 | 2.70970 | 4 V  |
| K12U01H | 18.3 | 0.15 | K221L | 4.004   | 231.362 | 187.348 | 1.733  | 0.07039 | 2.71093 | 2 V  |
| K12U01J | 17.8 | 0.15 | K221L | 97.850  | 151.770 | 173.798 | 6.220  | 0.04032 | 2.69971 | 5 V  |
| K12V99D | 18.1 | 0.15 | K221L | 28.249  | 118.335 | 252.761 | 16.410 | 0.36218 | 2.73722 | 3 X  |
| K12VD8V | 18.0 | 0.15 | K221L | 64.543  | 146.438 | 217.306 | 5.709  | 0.03884 | 2.69504 | 5 V  |
| K12W09Z | 17.9 | 0.15 | K221L | 24.016  | 114.895 | 263.120 | 3.254  | 0.08084 | 2.78195 | 5 X  |
| K12W32U | 17.6 | 0.15 | K221L | 29.200  | 239.090 | 139.923 | 8.274  | 0.27221 | 2.76380 | 5 X  |
| K13AK5V | 14.6 | 0.15 | K221L | 327.780 | 261.788 | 168.470 | 15.104 | 0.09364 | 5.20148 | 5 V  |
| K13C56P | 13.3 | 0.15 | K221L | 348.460 | 256.801 | 164.113 | 14.238 | 0.06963 | 5.19012 | 17 X |
| K13CC8K | 14.0 | 0.15 | K221L | 24.426  | 11.469  | 11.095  | 24.461 | 0.08795 | 5.23783 | 10 X |
| K13CC9Z | 13.2 | 0.15 | K221L | 281.116 | 338.730 | 163.781 | 29.314 | 0.02166 | 5.28285 | 14 X |
| K13CN0N | 16.7 | 0.15 | K221L | 57.628  | 202.773 | 143.481 | 17.968 | 0.22130 | 2.93720 | 6 X  |
| K13QA3F | 18.8 | 0.15 | K221L | 62.413  | 190.053 | 180.927 | 19.476 | 0.05578 | 1.88343 | 5 X  |
| K13T29B | 18.6 | 0.15 | K221L | 341.177 | 268.891 | 194.539 | 22.237 | 0.07624 | 1.89943 | 5 X  |
| K13V74B | 18.1 | 0.15 | K221L | 355.836 | 206.712 | 168.973 | 5.636  | 0.04269 | 2.65812 | 4 V  |
| K13WD9Y | 18.1 | 0.15 | K221L | 325.454 | 109.027 | 303.596 | 3.483  | 0.12260 | 2.67412 | 5 V  |
| K13X03A | 18.4 | 0.15 | K221L | 28.453  | 311.869 | 93.246  | 23.556 | 0.10559 | 1.93417 | 5 X  |
| K13X18C | 17.8 | 0.15 | K221L | 339.568 | 14.467  | 80.615  | 24.412 | 0.07094 | 1.95767 | 8 X  |
| K13X28T | 17.7 | 0.15 | K221L | 37.554  | 205.256 | 158.386 | 8.004  | 0.31173 | 2.55707 | 3 X  |
| K13X40Z | 18.6 | 0.15 | K221L | 1.637   | 315.987 | 117.920 | 2.734  | 0.20014 | 2.57367 | 3 V  |
| K13Y07B | 17.0 | 0.15 | K221L | 4.396   | 157.612 | 261.732 | 12.988 | 0.16359 | 2.56522 | 5 X  |
| K13Y35V | 18.3 | 0.15 | K221L | 350.343 | 0.552   | 91.986  | 24.160 | 0.08391 | 1.95973 | 4 X  |
| K14A75O | 18.2 | 0.15 | K221L | 21.925  | 264.176 | 130.246 | 5.293  | 0.24090 | 2.60769 | 3 X  |
| K14A76E | 17.7 | 0.15 | K221L | 329.558 | 338.671 | 119.894 | 14.140 | 0.07891 | 2.64404 | 5 X  |
| K14B29K | 17.7 | 0.15 | K221L | 7.025   | 294.288 | 126.324 | 6.589  | 0.30471 | 2.60072 | 4 X  |
| K14D20R | 17.3 | 0.15 | K221L | 339.982 | 173.295 | 280.417 | 11.491 | 0.22100 | 2.63821 | 5 X  |
| K14DJ1B | 14.7 | 0.15 | K221L | 311.888 | 285.684 | 158.647 | 11.054 | 0.12898 | 5.21984 | 6 V  |
| K14E20P | 18.2 | 0.15 | K221L | 333.592 | 324.713 | 153.253 | 15.346 | 0.26909 | 2.61286 | 3 X  |
| K14E34P | 13.7 | 0.15 | K221L | 342.831 | 33.896  | 23.495  | 21.628 | 0.19553 | 5.15489 | 6 X  |
| K14EE0N | 16.5 | 0.15 | K221L | 348.015 | 170.388 | 260.001 | 9.155  | 0.16510 | 2.71446 | 8 X  |
| K14K34N | 16.4 | 0.15 | K221L | 86.240  | 153.839 | 155.564 | 20.158 | 0.18942 | 3.13433 | 10 X |
| K14K91K | 16.8 | 0.15 | K221L | 47.112  | 203.404 | 152.000 | 13.797 | 0.16021 | 3.15313 | 6 X  |
| K14KBC8 | 16.2 | 0.15 | K221L | 37.421  | 111.946 | 254.968 | 16.938 | 0.10722 | 3.08638 | 7 X  |
| K14KE1M | 19.1 | 0.15 | K221L | 65.456  | 89.473  | 237.015 | 5.468  | 0.26457 | 2.21771 | 3 X  |
| K14L40C | 18.5 | 0.15 | K221L | 95.204  | 323.878 | 342.818 | 7.249  | 0.18182 | 2.20304 | 3 V  |
| K14O88J | 19.9 | 0.15 | K221L | 48.005  | 182.168 | 164.563 | 3.068  | 0.21878 | 2.25209 | 3 X  |
| K14Qu7Y | 19.4 | 0.15 | K221L | 67.935  | 239.417 | 99.919  | 3.476  | 0.21408 | 2.27723 | 3 V  |
| K14S14C | 19.3 | 0.15 | K221L | 2.284   | 278.575 | 157.976 | 6.030  | 0.12509 | 2.23393 | 6 X  |
| K14SS6H | 18.8 | 0.15 | K221L | 45.973  | 325.873 | 349.079 | 7.764  | 0.28174 | 2.33888 | 2 V  |
| K14Sa8L | 18.5 | 0.15 | K221L | 29.081  | 339.503 | 38.397  | 26.911 | 0.25684 | 2.32885 | 2 X  |
| K14T32X | 20.3 | 0.15 | K221L | 55.792  | 149.216 | 214.033 | 24.851 | 0.30188 | 1.75000 | 3 X  |
| K14W90E | 19.6 | 0.15 | K221L | 24.568  | 257.921 | 145.456 | 2.055  | 0.17481 | 2.30356 | 2 V  |
| K14WP2X | 18.2 | 0.15 | K221L | 46.883  | 273.852 | 89.772  | 7.945  | 0.22636 | 2.30077 | 4 X  |
| K14WY7X | 16.6 | 0.15 | K221L | 104.368 | 48.008  | 246.673 | 27.136 | 0.16799 | 2.34241 | 11 X |
| K14Wy5V | 19.7 | 0.15 | K221L | 353.441 | 261.392 | 189.967 | 2.397  | 0.22633 | 2.32521 | 2 V  |
| K14Wy5W | 19.8 | 0.15 | K221L | 21.914  | 312.259 | 84.582  | 3.683  | 0.21715 | 2.33774 | 2 V  |
| K14X54Y | 18.4 | 0.15 | K221L | 340.695 | 326.345 | 138.976 | 18.069 | 0.20923 | 2.32096 | 3 X  |
| K14Y42G | 17.8 | 0.15 | K221L | 38.395  | 325.941 | 26.916  | 15.112 | 0.30685 | 2.43315 | 5 X  |
| K15A33F | 18.2 | 0.15 | K221L | 14.048  | 286.899 | 125.072 | 3.669  | 0.20477 | 2.37450 | 6 X  |
| K15A42Z | 18.1 | 0.15 | K221L | 38.235  | 266.738 | 112.107 | 7.418  | 0.18589 | 2.39202 | 5 X  |
| K15B09M | 18.3 | 0.15 | K221L | 6.182   | 288.540 | 131.728 | 3.245  | 0.20580 | 2.40761 | 7 X  |
| K15Bn6O | 19.0 | 0.15 | K221L | 252.567 | 356.982 | 131.189 | 3.913  | 0.08284 | 2.58562 | 3 V  |
| K15C80B | 18.8 | 0.15 | K221L | 19.072  | 319.901 | 96.931  | 2.984  | 0.20003 | 2.38991 | 3 V  |
| K15DH6Q | 19.3 | 0.15 | K221L | 217.771 | 188.168 | 311.934 | 17.654 | 0.06818 | 1.91133 | 2 V  |
| K15DR5K | 18.8 | 0.15 | K221L | 154.249 | 84.143  | 195.663 | 21.877 | 0.02689 | 1.84860 | 3 X  |
| K15DT9W | 18.6 | 0.15 | K221L | 317.620 | 289.727 | 202.905 | 5.614  | 0.20813 | 2.42295 | 4 V  |
| K15DT9X | 17.5 | 0.15 | K221L | 44.797  | 235.643 | 131.344 | 15.487 | 0.16010 | 2.52395 | 6 V  |
| K15FW2Q | 16.3 | 0.15 | K221L | 17.462  | 336.141 | 66.279  | 14.110 | 0.13428 | 2.57581 | 11 X |
| K15FX4D | 17.2 | 0.15 | K221L | 327.535 | 269.037 | 209.111 | 26.848 | 0.21440 | 2.53939 | 8 X  |
| K15Fd3X | 18.9 | 0.15 | K221L | 125.117 | 114.770 | 185.728 | 21.880 | 0.09564 | 1.90308 | 6 X  |
| K15G15N | 14.3 | 0.15 | K221L | 10.751  | 18.724  | 1.330   | 9.784  | 0.03019 | 5.26879 | 11 X |
| K15HA5E | 16.8 | 0.15 | K221L | 185.037 | 333.989 | 157.580 | 11.472 | 0.04302 | 2.99001 | 6 V  |
| K15HK4R | 17.1 | 0.15 | K221L | 340.247 | 82.529  | 11.855  | 17.122 | 0.15530 | 2.58636 | 5 X  |
| K15L57Z | 17.4 | 0.15 | K221L | 46.395  | 217.845 | 141.144 | 14.206 | 0.20545 | 3.13259 | 2 V  |
| K15MJ0P | 17.6 | 0.15 | K221L | 53.905  | 197.601 | 153.628 | 11.011 | 0.11414 | 2.97308 | 5 V  |
| K15MJ0Q | 17.3 | 0.15 | K221L | 34.689  | 274.868 | 97.417  | 14.165 | 0.20392 | 2.99029 | 4 V  |
| K15N36Y | 17.4 | 0.15 | K221L | 27.224  | 212.348 | 169.538 | 17.920 | 0.27782 | 3.07914 | 2 X  |
| K15N38H | 16.6 | 0.15 | K221L | 18.674  | 97.261  | 258.048 | 16.042 | 0.03504 | 3.18671 | 4 V  |
| K15OF9P | 17.1 | 0.15 | K221L | 79.099  | 301.660 | 32.823  | 9.130  | 0.08209 | 2.98030 | 5 V  |
| K15OF9Q | 17.4 | 0.15 | K221L | 65.608  | 45.978  | 292.590 | 10.976 | 0.14357 | 2.98282 | 2 V  |
| K15PP6V | 17.8 | 0.15 | K221L | 68.499  | 271.238 | 40.605  | 1.377  | 0.17340 | 3.06672 | 2 X  |
| K15PS9L | 17.4 | 0.15 | K221L | 60.821  | 262.540 | 95.303  | 10.829 | 0.09658 | 3.05097 | 5 X  |
| K15Q36P | 16.7 | 0.15 | K221L | 346.857 | 267.281 | 180.504 | 17.131 | 0.18889 | 3.08710 | 4 V  |
| K15R39L | 17.1 | 0.15 | K221L | 344.271 | 269.606 | 180.246 | 25.906 | 0.20226 | 3.12051 | 5 X  |
| K15RZ0K | 17.5 | 0.15 | K221L | 6.146   | 230.167 | 174.871 | 7.721  | 0.09038 | 3.12505 | 4 V  |
| K15RZ0L | 17.6 | 0.15 | K221L | 34.325  | 217.142 | 175.113 | 5.597  | 0.14476 | 3.13477 | 3 V  |
| K15RZ0M | 17.4 | 0.15 | K221L | 2.873   | 60.350  | 338.181 | 3.603  | 0.10614 | 3.22236 | 2 V  |
| K15RZ0N | 17.7 | 0.15 | K221L | 1.240   | 52.767  | 18.086  | 15.946 | 0.21955 | 3.19216 | 2 V  |
| K15S51J | 16.8 | 0.15 | K221L | 300.091 | 255.441 | 170.985 | 10.561 | 0.10140 | 3.45658 | 4 V  |

|         |      |      |       |         |         |         |        |         |         |      |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|------|
| K15Tj7A | 17.4 | 0.15 | K221L | 58.973  | 310.267 | 61.039  | 8.980  | 0.07995 | 3.13669 | 2 V  |
| K15V94W | 16.2 | 0.15 | K221L | 18.356  | 26.912  | 10.433  | 19.676 | 0.09802 | 3.18588 | 6 X  |
| K15VK80 | 15.8 | 0.15 | K221L | 188.212 | 322.326 | 255.746 | 15.618 | 0.05742 | 3.42564 | 6 V  |
| K16AZ6X | 19.4 | 0.15 | K221L | 347.402 | 332.734 | 115.543 | 4.898  | 0.07441 | 2.14683 | 2 V  |
| K16C10T | 19.0 | 0.15 | K221L | 273.202 | 179.502 | 297.928 | 1.959  | 0.12962 | 2.29204 | 6 X  |
| K16GI2W | 17.4 | 0.15 | K221L | 50.633  | 35.412  | 124.105 | 8.355  | 0.10662 | 3.18417 | 3 V  |
| K16GV1X | 18.6 | 0.15 | K221L | 167.995 | 37.206  | 217.205 | 6.485  | 0.06605 | 2.37094 | 3 V  |
| K16H19C | 17.1 | 0.15 | K221L | 72.713  | 294.425 | 20.684  | 24.372 | 0.30580 | 2.56990 | 5 X  |
| K16J54Q | 14.4 | 0.15 | K221L | 27.892  | 264.993 | 118.231 | 24.953 | 0.08358 | 5.15652 | 6 X  |
| K16L42H | 17.9 | 0.15 | K221L | 27.160  | 210.300 | 172.008 | 13.411 | 0.18395 | 2.71376 | 5 X  |
| K16L68X | 18.1 | 0.15 | K221L | 51.897  | 217.710 | 143.650 | 15.733 | 0.15774 | 2.54261 | 4 X  |
| K16L76R | 18.0 | 0.15 | K221L | 83.852  | 54.076  | 237.850 | 6.988  | 0.18877 | 2.73096 | 7 X  |
| K16L95C | 14.1 | 0.15 | K221L | 30.519  | 280.708 | 95.775  | 35.565 | 0.07520 | 5.21784 | 5 X  |
| K16N34N | 17.3 | 0.15 | K221L | 54.475  | 226.024 | 127.493 | 14.455 | 0.11117 | 2.67406 | 7 X  |
| K16NF7P | 17.9 | 0.15 | K221L | 47.980  | 204.768 | 157.792 | 13.140 | 0.21166 | 2.69092 | 3 V  |
| K16NF7Q | 18.2 | 0.15 | K221L | 41.169  | 244.881 | 118.290 | 14.594 | 0.22135 | 2.78028 | 2 V  |
| K16PE6Y | 17.2 | 0.15 | K221L | 22.830  | 127.663 | 310.535 | 31.499 | 0.25758 | 2.59218 | 5 X  |
| K16PH3R | 17.5 | 0.15 | K221L | 350.414 | 268.249 | 171.670 | 21.942 | 0.05384 | 2.65318 | 4 X  |
| K16PNOR | 17.9 | 0.15 | K221L | 26.902  | 245.411 | 154.392 | 10.652 | 0.13651 | 2.67627 | 5 V  |
| K16PNOS | 17.8 | 0.15 | K221L | 58.645  | 305.894 | 64.315  | 7.206  | 0.10766 | 2.68134 | 4 V  |
| K16PNOT | 17.6 | 0.15 | K221L | 40.944  | 259.911 | 118.191 | 15.384 | 0.12477 | 2.68036 | 2 V  |
| K16PNOU | 18.5 | 0.15 | K221L | 33.657  | 257.993 | 112.195 | 12.151 | 0.30769 | 2.78461 | 2 V  |
| K16PNOV | 18.9 | 0.15 | K221L | 28.371  | 280.611 | 105.236 | 10.291 | 0.33174 | 2.79232 | 2 V  |
| K16Q36Z | 16.7 | 0.15 | K221L | 61.774  | 208.906 | 143.704 | 7.022  | 0.04655 | 2.68929 | 11 X |
| K16QD8L | 18.3 | 0.15 | K221L | 22.773  | 229.746 | 170.677 | 17.360 | 0.22994 | 2.77041 | 2 X  |
| K16QD8W | 18.4 | 0.15 | K221L | 32.410  | 183.084 | 203.291 | 7.701  | 0.22373 | 2.80431 | 2 V  |
| K16QD8X | 17.5 | 0.15 | K221L | 79.710  | 95.472  | 239.403 | 11.780 | 0.13752 | 2.71017 | 2 V  |
| K16R62V | 17.0 | 0.15 | K221L | 351.316 | 120.592 | 284.696 | 6.663  | 0.25347 | 3.04733 | 4 X  |
| K16R85D | 17.9 | 0.15 | K221L | 61.541  | 324.874 | 23.681  | 10.253 | 0.13601 | 2.80582 | 4 V  |
| K16R85E | 17.9 | 0.15 | K221L | 81.562  | 74.281  | 257.281 | 2.831  | 0.09622 | 2.75466 | 2 V  |
| K16SB0K | 17.6 | 0.15 | K221L | 57.418  | 251.309 | 117.209 | 11.206 | 0.14036 | 2.81205 | 3 V  |
| K16SB0L | 17.7 | 0.15 | K221L | 21.571  | 253.241 | 141.836 | 15.629 | 0.15322 | 2.87738 | 3 V  |
| K16SB0M | 17.7 | 0.15 | K221L | 26.162  | 305.577 | 79.769  | 12.547 | 0.16391 | 2.90168 | 2 V  |
| K16SB0N | 17.5 | 0.15 | K221L | 64.731  | 210.698 | 137.651 | 13.312 | 0.14567 | 2.84079 | 2 V  |
| K16T47X | 17.3 | 0.15 | K221L | 22.583  | 225.817 | 159.646 | 6.770  | 0.26648 | 2.94194 | 6 X  |
| K16UDOK | 17.6 | 0.15 | K221L | 14.310  | 159.699 | 216.509 | 18.229 | 0.09359 | 3.01964 | 4 X  |
| K16UR8B | 17.4 | 0.15 | K221L | 36.470  | 288.528 | 96.246  | 7.616  | 0.07441 | 2.88348 | 7 V  |
| K16V02C | 18.2 | 0.15 | K221L | 87.966  | 82.684  | 245.799 | 18.861 | 0.11033 | 1.86435 | 6 X  |
| K16V55X | 17.2 | 0.15 | K221L | 30.115  | 103.981 | 276.704 | 8.665  | 0.19436 | 2.96445 | 5 X  |
| K16V56R | 17.6 | 0.15 | K221L | 5.221   | 317.012 | 87.627  | 16.252 | 0.15429 | 3.02332 | 2 V  |
| K16W39K | 17.0 | 0.15 | K221L | 22.665  | 119.320 | 252.803 | 13.894 | 0.30565 | 3.01254 | 4 X  |
| K16X02M | 16.7 | 0.15 | K221L | 359.646 | 49.185  | 5.318   | 22.170 | 0.25768 | 3.08077 | 4 X  |
| K16X36H | 17.9 | 0.15 | K221L | 2.662   | 17.273  | 51.135  | 10.242 | 0.17607 | 2.96629 | 2 V  |
| K16Y04A | 18.5 | 0.15 | K221L | 73.098  | 263.812 | 92.408  | 23.003 | 0.08349 | 1.88951 | 5 X  |
| K16Y04L | 20.1 | 0.15 | K221L | 36.694  | 76.175  | 292.348 | 35.428 | 0.45307 | 1.86912 | 2 X  |
| K16Y080 | 18.3 | 0.15 | K221L | 69.441  | 284.215 | 65.637  | 25.997 | 0.13458 | 1.89412 | 6 X  |
| K16Y30P | 18.0 | 0.15 | K221L | 5.220   | 264.752 | 154.584 | 10.433 | 0.32985 | 3.07930 | 2 X  |
| K16Y30Y | 17.8 | 0.15 | K221L | 14.861  | 245.496 | 180.709 | 11.018 | 0.27932 | 3.02065 | 4 V  |
| K16Y30Z | 16.6 | 0.15 | K221L | 290.020 | 69.189  | 75.977  | 16.399 | 0.07587 | 3.19525 | 5 V  |
| K16Y31A | 17.3 | 0.15 | K221L | 334.631 | 10.011  | 100.564 | 11.801 | 0.18098 | 3.16345 | 3 V  |
| K16Y31B | 16.9 | 0.15 | K221L | 345.217 | 201.692 | 247.662 | 10.418 | 0.08894 | 3.19407 | 3 V  |
| K17A13V | 18.7 | 0.15 | K221L | 253.121 | 51.679  | 130.413 | 24.780 | 0.04038 | 1.91480 | 7 X  |
| K17A19W | 16.5 | 0.15 | K221L | 339.635 | 154.448 | 292.827 | 13.945 | 0.15181 | 3.17267 | 6 X  |
| K17A31D | 18.6 | 0.15 | K221L | 50.773  | 288.161 | 92.662  | 24.510 | 0.09651 | 1.90127 | 5 X  |
| K17A31L | 19.2 | 0.15 | K221L | 85.755  | 202.661 | 136.784 | 24.034 | 0.06562 | 1.93712 | 4 X  |
| K17A48U | 16.7 | 0.15 | K221L | 357.303 | 107.856 | 314.311 | 10.973 | 0.21332 | 3.08467 | 6 X  |
| K17BB9H | 16.8 | 0.15 | K221L | 4.852   | 43.560  | 9.160   | 17.372 | 0.21737 | 3.13593 | 6 X  |
| K17BE1B | 17.0 | 0.15 | K221L | 350.682 | 265.753 | 190.304 | 23.330 | 0.34433 | 3.16678 | 5 X  |
| K17BJ2U | 17.4 | 0.15 | K221L | 0.659   | 52.262  | 13.915  | 18.690 | 0.27067 | 3.12947 | 2 X  |
| K17C46L | 17.3 | 0.15 | K221L | 332.890 | 21.682  | 78.313  | 13.336 | 0.24216 | 3.16517 | 3 X  |
| K17D79V | 16.1 | 0.15 | K221L | 348.108 | 304.590 | 151.499 | 27.981 | 0.23914 | 3.17953 | 8 X  |
| K17G04G | 19.9 | 0.15 | K221L | 60.691  | 234.868 | 46.034  | 22.008 | 0.68474 | 1.66224 | 3 X  |
| K17N02W | 18.4 | 0.15 | K221L | 54.868  | 223.585 | 124.456 | 8.001  | 0.20103 | 2.39386 | 4 X  |
| K17P67P | 19.2 | 0.15 | K221L | 39.745  | 280.029 | 98.098  | 3.550  | 0.23331 | 2.38896 | 4 V  |
| K17QD5C | 18.5 | 0.15 | K221L | 81.994  | 270.466 | 59.411  | 11.274 | 0.20581 | 2.39783 | 3 V  |
| K17RE0B | 19.3 | 0.15 | K221L | 23.226  | 77.540  | 337.607 | 0.918  | 0.16098 | 2.38176 | 5 V  |
| K17S25A | 19.0 | 0.15 | K221L | 29.205  | 19.166  | 12.970  | 3.283  | 0.17592 | 2.41780 | 4 X  |
| K17SD6F | 18.9 | 0.15 | K221L | 30.055  | 281.015 | 99.475  | 8.214  | 0.33769 | 2.55352 | 4 X  |
| K17SD8X | 18.0 | 0.15 | K221L | 12.624  | 313.385 | 91.074  | 14.465 | 0.18001 | 2.59893 | 3 X  |
| K17SH1K | 19.2 | 0.15 | K221L | 7.283   | 52.294  | 14.475  | 11.813 | 0.46746 | 2.50164 | 2 X  |
| K17SS7X | 19.2 | 0.15 | K221L | 21.024  | 23.731  | 15.341  | 2.676  | 0.17525 | 2.41792 | 3 V  |
| K17SS7Y | 19.6 | 0.15 | K221L | 37.770  | 352.666 | 28.698  | 5.672  | 0.23306 | 2.43974 | 2 V  |
| K17SS7Z | 18.9 | 0.15 | K221L | 40.129  | 327.590 | 51.764  | 5.915  | 0.14347 | 2.43188 | 2 V  |
| K17SS8A | 18.1 | 0.15 | K221L | 336.261 | 304.662 | 152.386 | 13.250 | 0.12178 | 2.56621 | 2 V  |
| K17T15W | 17.8 | 0.15 | K221L | 33.850  | 221.259 | 152.640 | 15.132 | 0.31192 | 2.53768 | 2 X  |
| K17T170 | 18.2 | 0.15 | K221L | 43.185  | 76.473  | 288.286 | 11.004 | 0.20327 | 2.53317 | 3 X  |
| K17T43N | 18.8 | 0.15 | K221L | 13.231  | 13.429  | 22.959  | 15.701 | 0.13228 | 2.54130 | 3 V  |
| K17UG9J | 19.1 | 0.15 | K221L | 15.157  | 303.146 | 91.761  | 5.337  | 0.22066 | 2.58393 | 2 V  |
| K17UG9K | 18.3 | 0.15 | K221L | 331.332 | 205.382 | 254.411 | 7.348  | 0.08016 | 2.51935 | 4 V  |
| K17UG9L | 17.4 | 0.15 | K221L | 178.264 | 164.684 | 62.984  | 30.178 | 0.13136 | 2.58514 | 5 V  |
| K17UG9M | 18.3 | 0.15 | K221L | 15.588  | 110.766 | 286.606 | 14.071 | 0.12475 | 2.55061 | 3 V  |
| K17UG9N | 19.0 | 0.15 | K221L | 27.789  | 339.469 | 59.973  | 14.777 | 0.21142 | 2.53533 | 3 V  |
| K17UG9O | 18.0 | 0.15 | K221L | 101.201 | 232.512 | 81.741  | 3.388  | 0.11347 | 2.55437 | 3 V  |
| K17UG9P | 19.5 | 0.15 | K221L | 18.198  | 271.535 | 135.043 | 8.371  | 0.21789 | 2.52444 | 2 V  |
| K17UG9Q | 18.3 | 0.15 | K221L | 73.429  | 292.925 | 31.687  | 2.273  | 0.10647 | 2.61007 | 2 V  |
| K17V320 | 16.9 | 0.15 | K221L | 59.771  | 196.450 | 153.114 | 6.091  | 0.13614 | 2.55714 | 10 X |
| K17V33Q | 18.2 | 0.15 | K221L | 6.879   | 200.678 | 210.743 | 6.449  | 0.32997 | 2.58651 | 4 X  |
| K17V57Q | 19.1 | 0.15 | K221L | 0.794   | 230.567 | 200.867 | 13.149 | 0.16953 | 2.54276 | 3 X  |
| K17W16Z | 18.0 | 0.15 | K221L | 115.151 | 230.212 | 60.300  | 11.445 | 0.11645 | 2.55960 | 2 V  |
| K17W33D | 17.9 | 0.15 | K221L | 3.416   | 151.814 | 272.870 | 11.641 | 0.26876 | 2.64667 | 4 X  |
| K17W46D | 17.9 | 0.15 | K221L | 5.470   | 209.708 | 189.693 | 6.913  | 0.05650 | 2.65594 | 6 X  |
| K17W72H | 18.7 | 0.15 | K221L | 34.301  | 288.682 | 81.384  | 30.432 | 0.34574 | 2.53172 | 4 X  |
| K17W76K | 18.4 | 0.15 | K221L | 357.680 | 281.057 | 154.173 | 9.110  | 0.14314 | 2.57021 | 3 V  |

|         |      |      |       |         |         |         |        |         |         |     |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|-----|
| K17W76L | 18.8 | 0.15 | K221L | 346.281 | 276.530 | 170.467 | 9.444  | 0.17893 | 2.56702 | 3 V |
| K17W76M | 18.7 | 0.15 | K221L | 345.279 | 191.963 | 254.973 | 8.900  | 0.16960 | 2.57910 | 3 V |
| K17W76N | 17.8 | 0.15 | K221L | 312.226 | 214.961 | 251.449 | 16.075 | 0.14053 | 2.64008 | 2 V |
| K17W76O | 18.4 | 0.15 | K221L | 25.654  | 305.480 | 78.733  | 19.120 | 0.15208 | 2.62175 | 2 V |
| K17X17X | 19.2 | 0.15 | K221L | 1.301   | 148.017 | 274.506 | 2.553  | 0.22780 | 2.56789 | 4 X |
| K17X25M | 18.6 | 0.15 | K221L | 357.006 | 352.195 | 58.065  | 3.227  | 0.20716 | 2.62953 | 4 V |
| K17X78U | 17.9 | 0.15 | K221L | 14.717  | 135.853 | 259.253 | 12.119 | 0.26339 | 2.67284 | 5 X |
| K17X84W | 18.5 | 0.15 | K221L | 320.377 | 277.909 | 204.986 | 9.700  | 0.14734 | 2.58320 | 3 V |
| K17X84X | 18.3 | 0.15 | K221L | 353.966 | 21.692  | 73.219  | 14.407 | 0.21137 | 2.59120 | 3 V |
| K17X84Y | 19.4 | 0.15 | K221L | 358.873 | 11.238  | 77.470  | 7.803  | 0.32200 | 2.58465 | 2 V |
| K17X84Z | 17.5 | 0.15 | K221L | 327.332 | 2.077   | 77.983  | 14.932 | 0.18052 | 2.73394 | 3 V |
| K17Y21S | 19.0 | 0.15 | K221L | 12.471  | 127.329 | 282.350 | 10.766 | 0.29157 | 2.65069 | 3 X |
| K17Y44O | 18.2 | 0.15 | K221L | 17.435  | 287.458 | 117.209 | 14.309 | 0.26874 | 2.68383 | 2 X |
| K17Y47F | 18.4 | 0.15 | K221L | 25.929  | 240.875 | 153.085 | 13.702 | 0.22084 | 2.60845 | 2 X |
| K17Y47W | 18.2 | 0.15 | K221L | 33.663  | 261.036 | 109.862 | 13.347 | 0.28142 | 2.69929 | 2 X |
| K17Y50O | 18.1 | 0.15 | K221L | 5.162   | 278.742 | 154.648 | 13.075 | 0.17436 | 2.66373 | 2 V |
| K17Y50P | 18.3 | 0.15 | K221L | 330.935 | 314.618 | 136.207 | 5.108  | 0.10032 | 2.79041 | 2 V |
| K17Y50Q | 18.8 | 0.15 | K221L | 1.557   | 217.242 | 225.235 | 13.143 | 0.23079 | 2.56934 | 2 V |
| K17Y50R | 18.5 | 0.15 | K221L | 4.815   | 188.191 | 243.229 | 34.274 | 0.21861 | 2.57846 | 2 V |
| K18A12S | 18.1 | 0.15 | K221L | 354.657 | 70.005  | 21.214  | 27.482 | 0.44599 | 2.67601 | 2 X |
| K18A52B | 17.6 | 0.15 | K221L | 284.695 | 281.988 | 241.542 | 5.325  | 0.14624 | 2.79595 | 4 V |
| K18A52C | 17.9 | 0.15 | K221L | 3.392   | 128.016 | 296.355 | 7.747  | 0.12752 | 2.74750 | 3 V |
| K18A52D | 18.3 | 0.15 | K221L | 339.990 | 351.387 | 124.972 | 13.845 | 0.23017 | 2.65007 | 3 V |
| K18A52E | 17.8 | 0.15 | K221L | 357.315 | 284.673 | 156.466 | 13.000 | 0.15848 | 2.71696 | 3 V |
| K18A52F | 18.8 | 0.15 | K221L | 326.561 | 217.312 | 257.665 | 1.813  | 0.24108 | 2.72379 | 2 V |
| K18B32B | 18.1 | 0.15 | K221L | 1.594   | 124.471 | 287.913 | 12.285 | 0.15443 | 2.83487 | 3 V |
| K18B32C | 18.8 | 0.15 | K221L | 344.092 | 57.322  | 50.351  | 14.965 | 0.25014 | 2.65626 | 2 V |
| K18C26E | 18.2 | 0.15 | K221L | 9.024   | 259.678 | 159.567 | 14.764 | 0.22642 | 2.73192 | 3 X |
| K18U14S | 17.8 | 0.15 | K221L | 36.676  | 136.927 | 242.828 | 20.604 | 0.17017 | 2.14978 | 6 X |
| K18VDOL | 19.0 | 0.15 | K221L | 54.613  | 222.846 | 131.755 | 5.220  | 0.21279 | 2.11513 | 4 X |
| K19A12F | 19.6 | 0.15 | K221L | 28.609  | 66.060  | 336.982 | 8.346  | 0.47941 | 2.14519 | 4 X |
| K19GC5J | 17.6 | 0.15 | K221L | 352.994 | 267.960 | 172.825 | 21.887 | 0.04876 | 2.69086 | 3 X |
| K19GC5Y | 16.9 | 0.15 | K221L | 71.142  | 204.421 | 124.242 | 10.851 | 0.06055 | 3.15726 | 5 V |
| K19GC5Z | 17.1 | 0.15 | K221L | 95.844  | 255.076 | 48.152  | 16.528 | 0.10741 | 3.15020 | 3 V |
| K19GC6A | 17.0 | 0.15 | K221L | 84.678  | 98.262  | 232.536 | 10.185 | 0.12905 | 2.96696 | 5 V |
| K19GC6B | 17.8 | 0.15 | K221L | 279.529 | 106.661 | 46.087  | 14.945 | 0.16383 | 2.64923 | 4 V |
| K19GC6C | 17.7 | 0.15 | K221L | 129.983 | 208.582 | 75.966  | 4.846  | 0.06745 | 2.80192 | 3 V |
| K19J29T | 17.0 | 0.15 | K221L | 62.586  | 318.529 | 29.816  | 9.643  | 0.08435 | 3.02016 | 9 X |
| K19JA8U | 17.9 | 0.15 | K221L | 333.393 | 289.943 | 185.046 | 2.586  | 0.08746 | 2.55989 | 5 V |
| K19JA8V | 17.8 | 0.15 | K221L | 300.162 | 302.068 | 216.306 | 6.294  | 0.17661 | 2.58333 | 3 V |
| K19JA8W | 17.9 | 0.15 | K221L | 303.522 | 93.893  | 42.512  | 15.987 | 0.11923 | 2.69722 | 3 V |
| K19K50G | 16.5 | 0.15 | K221L | 106.992 | 228.159 | 77.322  | 25.903 | 0.14489 | 3.12776 | 4 V |
| K19K50H | 17.1 | 0.15 | K221L | 3.050   | 292.701 | 122.611 | 10.356 | 0.07927 | 3.12146 | 4 V |
| K19N51L | 14.7 | 0.15 | K221L | 314.615 | 170.273 | 260.546 | 13.233 | 0.05484 | 5.24066 | 5 X |
| K19P68F | 14.9 | 0.15 | K221L | 9.904   | 225.836 | 174.854 | 11.076 | 0.07670 | 5.19568 | 6 X |
| K20G28S | 17.8 | 0.15 | K221L | 103.975 | 288.856 | 353.623 | 12.430 | 0.25998 | 2.56633 | 2 V |
| K20H23J | 17.5 | 0.15 | K221L | 55.770  | 243.386 | 96.510  | 14.749 | 0.23815 | 2.71222 | 2 X |
| K20H63M | 17.8 | 0.15 | K221L | 90.462  | 104.652 | 187.905 | 7.869  | 0.17746 | 2.78875 | 6 X |
| K20H93Y | 18.7 | 0.15 | K221L | 24.695  | 306.898 | 106.775 | 24.030 | 0.09226 | 1.94642 | 4 X |
| K20HD4G | 18.6 | 0.15 | K221L | 105.737 | 233.716 | 70.244  | 5.882  | 0.17917 | 2.31852 | 3 V |
| K20HD4H | 17.6 | 0.15 | K221L | 51.585  | 272.175 | 83.074  | 13.274 | 0.29422 | 2.67003 | 5 V |
| K20HD4J | 18.2 | 0.15 | K221L | 91.163  | 272.760 | 27.567  | 3.631  | 0.18413 | 2.62189 | 4 V |
| K20K43X | 17.6 | 0.15 | K221L | 57.705  | 213.583 | 135.843 | 20.643 | 0.30561 | 2.78705 | 4 V |
| K20K43Y | 18.1 | 0.15 | K221L | 93.749  | 55.969  | 244.594 | 26.518 | 0.17609 | 2.64983 | 3 V |
| K20K43Z | 17.7 | 0.15 | K221L | 66.274  | 263.941 | 60.805  | 17.520 | 0.31506 | 3.06334 | 3 V |
| K20M44M | 18.2 | 0.15 | K221L | 62.403  | 130.422 | 221.979 | 10.895 | 0.16128 | 2.56875 | 2 V |
| K20M44N | 18.0 | 0.15 | K221L | 154.572 | 203.474 | 56.866  | 11.061 | 0.09480 | 2.61616 | 2 V |
| K20OA4H | 17.4 | 0.15 | K221L | 33.090  | 268.301 | 123.367 | 3.001  | 0.13447 | 3.12874 | 5 V |
| K20P32L | 17.9 | 0.15 | K221L | 123.370 | 341.267 | 348.086 | 11.042 | 0.28068 | 2.74385 | 2 V |
| K20P76E | 14.8 | 0.15 | K221L | 14.665  | 181.670 | 192.755 | 7.013  | 0.06722 | 5.17752 | 4 V |
| K20Q84B | 17.1 | 0.15 | K221L | 37.498  | 216.262 | 165.709 | 20.175 | 0.16352 | 3.13740 | 2 X |
| K20Q84S | 14.6 | 0.15 | K221L | 326.201 | 244.524 | 209.782 | 33.428 | 0.06022 | 5.22954 | 4 V |
| K20Q84T | 16.7 | 0.15 | K221L | 163.951 | 328.336 | 278.432 | 8.591  | 0.03208 | 3.12227 | 5 V |
| K20Q84U | 14.9 | 0.15 | K221L | 340.704 | 201.719 | 221.036 | 18.718 | 0.10332 | 5.14540 | 3 V |
| K20Q84V | 16.9 | 0.15 | K221L | 48.680  | 96.109  | 270.825 | 11.596 | 0.10457 | 3.19733 | 3 V |
| K20RC0J | 15.4 | 0.15 | K221L | 27.396  | 321.242 | 50.276  | 14.437 | 0.09267 | 5.14398 | 2 V |
| K20RC0K | 15.1 | 0.15 | K221L | 13.137  | 92.827  | 297.885 | 7.658  | 0.10881 | 5.13449 | 2 V |
| K21J24Q | 17.8 | 0.15 | K221L | 20.518  | 308.795 | 60.092  | 5.993  | 0.66956 | 3.22569 | 5 V |
| K21K10G | 19.9 | 0.15 | K221L | 107.647 | 20.638  | 271.292 | 15.797 | 0.35487 | 1.51901 | 4 X |
| K21L09F | 18.4 | 0.15 | K221L | 33.378  | 89.018  | 283.206 | 3.640  | 0.38330 | 2.35270 | 3 X |
| K21M17B | 18.2 | 0.15 | K221L | 49.975  | 46.289  | 265.466 | 11.967 | 0.25209 | 2.67304 | 2 V |
| K21P40Y | 21.1 | 0.15 | K221L | 32.406  | 256.499 | 171.839 | 10.427 | 0.44223 | 1.53743 | 2 X |
| K21P43W | 18.8 | 0.15 | K221L | 31.174  | 23.331  | 306.983 | 7.868  | 0.20232 | 2.72459 | 2 X |
| K21PD1S | 18.7 | 0.15 | K221L | 144.056 | 291.966 | 292.947 | 4.879  | 0.03955 | 2.29865 | 4 V |
| K21Q16Q | 17.2 | 0.15 | K221L | 29.205  | 303.649 | 61.133  | 14.434 | 0.35931 | 3.08387 | 4 X |
| K21Q33M | 19.0 | 0.15 | K221L | 31.683  | 237.109 | 117.434 | 3.367  | 0.22968 | 2.24626 | 2 V |
| K21Q46F | 17.7 | 0.15 | K221L | 5.653   | 21.465  | 26.451  | 14.361 | 0.25004 | 2.64265 | 3 X |
| K21Q65Y | 18.0 | 0.15 | K221L | 64.961  | 239.942 | 68.160  | 5.382  | 0.05459 | 2.78989 | 4 V |
| K21R08N | 17.8 | 0.15 | K221L | 23.066  | 196.301 | 195.755 | 13.848 | 0.25186 | 2.61791 | 3 X |
| K21R47A | 17.6 | 0.15 | K221L | 346.969 | 268.163 | 173.947 | 21.897 | 0.07760 | 2.57737 | 5 X |
| K21R66V | 17.5 | 0.15 | K221L | 353.615 | 48.316  | 25.481  | 31.930 | 0.23141 | 2.60764 | 3 X |
| K21R82A | 18.2 | 0.15 | K221L | 21.894  | 207.555 | 198.252 | 24.666 | 0.18790 | 2.39383 | 4 X |
| K21RA0D | 18.5 | 0.15 | K221L | 75.836  | 277.620 | 64.650  | 24.293 | 0.15065 | 1.88121 | 4 X |
| K21RA6W | 17.6 | 0.15 | K221L | 35.312  | 255.079 | 124.088 | 6.784  | 0.16583 | 2.63117 | 5 X |
| K21RA9A | 17.9 | 0.15 | K221L | 17.963  | 44.708  | 359.754 | 13.126 | 0.22096 | 2.55753 | 3 X |
| K21RC0A | 18.3 | 0.15 | K221L | 39.516  | 293.326 | 68.283  | 13.864 | 0.30053 | 2.59754 | 4 X |
| K21RC3G | 17.8 | 0.15 | K221L | 27.050  | 305.613 | 76.057  | 13.754 | 0.15389 | 2.66872 | 4 X |
| K21RD3C | 18.0 | 0.15 | K221L | 15.970  | 37.083  | 6.175   | 13.187 | 0.18362 | 2.62635 | 4 X |
| K21RE5K | 17.4 | 0.15 | K221L | 28.663  | 206.105 | 181.156 | 20.480 | 0.19815 | 3.04742 | 3 X |
| K21S06H | 17.5 | 0.15 | K221L | 8.076   | 231.939 | 174.796 | 13.783 | 0.20747 | 3.13174 | 3 X |
| K21S15N | 16.7 | 0.15 | K221L | 303.189 | 58.078  | 71.045  | 17.628 | 0.19686 | 3.11502 | 4 X |
| K21S36B | 18.4 | 0.15 | K221L | 36.584  | 286.632 | 79.747  | 12.342 | 0.21642 | 2.67546 | 2 X |
| K21S36H | 15.8 | 0.15 | K221L | 52.920  | 205.406 | 119.556 | 9.860  | 0.27502 | 3.97577 | 6 X |

|         |      |      |       |         |         |         |        |         |          |     |
|---------|------|------|-------|---------|---------|---------|--------|---------|----------|-----|
| K21S46R | 17.6 | 0.15 | K221L | 353.308 | 82.627  | 313.572 | 17.362 | 0.13646 | 3.09045  | 4 V |
| K21T63F | 18.0 | 0.15 | K221L | 41.988  | 136.865 | 237.266 | 5.310  | 0.15925 | 2.60696  | 5 X |
| K21U50Y | 14.8 | 0.15 | K221L | 357.772 | 49.754  | 12.849  | 1.934  | 0.05741 | 5.23193  | 8 V |
| K21U50Z | 17.8 | 0.15 | K221L | 68.665  | 202.585 | 139.472 | 2.854  | 0.07785 | 2.86778  | 4 V |
| K21V08L | 17.5 | 0.15 | K221L | 47.981  | 218.152 | 137.020 | 5.977  | 0.16242 | 3.21267  | 3 X |
| K21V27H | 17.0 | 0.15 | K221L | 16.713  | 153.280 | 283.170 | 30.720 | 0.32791 | 3.15502  | 4 X |
| K21V27K | 14.0 | 0.15 | K221L | 349.500 | 270.165 | 166.995 | 17.109 | 0.48741 | 12.81971 | 2 V |

New perturbed one-opposition orbits:

| Object  | H    | G    | Epoch | M       | Peri.   | Node    | Incl.  | e       | a       | Arc | C |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|-----|---|
| K17SH8D | 19.2 | 0.15 | K221L | 93.409  | 142.455 | 228.520 | 6.963  | 0.23383 | 2.28468 | 56  | X |
| K21M01O | 18.4 | 0.15 | K221L | 24.552  | 337.860 | 19.729  | 14.470 | 0.55988 | 2.81129 | 156 | X |
| K21N05S | 18.4 | 0.15 | K221L | 30.501  | 336.601 | 30.652  | 10.578 | 0.59803 | 2.63112 | 133 | V |
| K21Q00J | 18.9 | 0.15 | K221L | 19.565  | 117.377 | 273.504 | 8.250  | 0.46846 | 2.71107 | 136 | X |
| K21Q07N | 17.8 | 0.15 | K221L | 23.038  | 116.307 | 274.124 | 15.786 | 0.26086 | 2.68952 | 95  | X |
| K21R38U | 17.5 | 0.15 | K221L | 39.864  | 168.019 | 187.045 | 18.053 | 0.27993 | 3.04836 | 67  | X |
| K21R58N | 17.5 | 0.15 | K221L | 11.230  | 275.888 | 134.750 | 16.439 | 0.27327 | 3.13522 | 74  | X |
| K21R58P | 17.3 | 0.15 | K221L | 16.681  | 235.382 | 161.799 | 14.599 | 0.28752 | 3.17290 | 75  | X |
| K21R84N | 19.1 | 0.15 | K221L | 21.444  | 291.027 | 100.585 | 7.439  | 0.36461 | 2.60528 | 78  | X |
| K21RA1L | 18.5 | 0.15 | K221L | 25.042  | 314.033 | 66.636  | 16.485 | 0.24637 | 2.79107 | 78  | X |
| K21RA2A | 18.1 | 0.15 | K221L | 73.206  | 260.591 | 88.245  | 24.943 | 0.11491 | 1.88622 | 75  | X |
| K21RA3P | 18.3 | 0.15 | K221L | 8.921   | 227.041 | 192.828 | 13.471 | 0.25080 | 2.62957 | 71  | X |
| K21RA7X | 18.1 | 0.15 | K221L | 31.507  | 260.598 | 118.618 | 13.761 | 0.28842 | 2.61818 | 74  | X |
| K21RB5Z | 17.7 | 0.15 | K221L | 39.758  | 38.856  | 329.822 | 11.828 | 0.22246 | 2.58244 | 77  | X |
| K21RC3F | 18.3 | 0.15 | K221L | 356.166 | 279.184 | 155.329 | 11.807 | 0.27817 | 2.64926 | 73  | X |
| K21RC4D | 17.5 | 0.15 | K221L | 28.798  | 267.515 | 102.661 | 14.597 | 0.29725 | 3.14831 | 74  | X |
| K21RC5F | 18.6 | 0.15 | K221L | 40.048  | 235.640 | 103.751 | 21.274 | 0.47380 | 2.74839 | 75  | X |
| K21RD3J | 19.6 | 0.15 | K221L | 20.070  | 310.216 | 82.651  | 10.494 | 0.36515 | 2.68244 | 78  | X |
| K21RD7W | 17.5 | 0.15 | K221L | 16.694  | 317.375 | 80.076  | 17.840 | 0.25662 | 3.05835 | 74  | X |
| K21RE3M | 18.5 | 0.15 | K221L | 0.502   | 240.423 | 185.170 | 11.872 | 0.17772 | 2.60221 | 71  | X |
| K21RE3Z | 19.4 | 0.15 | K221L | 39.407  | 246.491 | 120.254 | 6.376  | 0.26296 | 2.27631 | 73  | X |
| K21RE4Z | 18.5 | 0.15 | K221L | 39.687  | 265.224 | 93.657  | 7.451  | 0.34020 | 2.61299 | 72  | X |
| K21RE7N | 18.5 | 0.15 | K221L | 2.577   | 272.091 | 153.543 | 15.654 | 0.31495 | 2.68626 | 76  | V |
| K21RE7O | 18.9 | 0.15 | K221L | 39.949  | 295.371 | 65.611  | 8.800  | 0.21430 | 2.37707 | 65  | V |
| K21RE7P | 18.1 | 0.15 | K221L | 76.775  | 160.324 | 150.563 | 12.475 | 0.23308 | 2.55707 | 71  | V |
| K21S03R | 22.7 | 0.15 | K221L | 13.748  | 286.337 | 147.722 | 0.670  | 0.50680 | 2.18460 | 51  | q |
| K21S40M | 17.9 | 0.15 | K221L | 23.272  | 31.532  | 0.238   | 13.353 | 0.17494 | 2.61013 | 54  | X |
| K21S46O | 19.3 | 0.15 | K221L | 41.861  | 284.932 | 81.852  | 8.664  | 0.15813 | 2.22192 | 50  | V |
| K21S46P | 18.0 | 0.15 | K221L | 1.382   | 320.613 | 98.263  | 5.683  | 0.26656 | 2.64723 | 53  | V |
| K21S46Q | 19.0 | 0.15 | K221L | 25.858  | 313.706 | 58.240  | 14.424 | 0.26909 | 2.66377 | 50  | V |
| K21T02R | 17.3 | 0.15 | K221L | 19.750  | 234.585 | 156.303 | 31.709 | 0.28400 | 2.60728 | 69  | X |
| K21T21Q | 22.6 | 0.15 | K221L | 6.713   | 263.249 | 202.696 | 4.283  | 0.54865 | 2.10024 | 39  | X |
| K21T94J | 18.5 | 0.15 | K221L | 15.817  | 281.315 | 126.083 | 13.567 | 0.26538 | 2.62698 | 49  | X |
| K21TA1Z | 17.6 | 0.15 | K221L | 349.629 | 355.783 | 77.412  | 11.641 | 0.21413 | 3.06429 | 47  | X |
| K21TA2A | 19.3 | 0.15 | K221L | 12.939  | 227.595 | 199.005 | 22.615 | 0.26079 | 2.29140 | 36  | V |
| K21TA2B | 18.1 | 0.15 | K221L | 22.383  | 214.464 | 194.419 | 28.922 | 0.18921 | 2.59998 | 44  | V |
| K21TA2C | 18.9 | 0.15 | K221L | 3.122   | 0.303   | 56.335  | 13.985 | 0.27264 | 2.64379 | 47  | V |
| K21TA2D | 17.8 | 0.15 | K221L | 15.763  | 312.678 | 81.804  | 26.490 | 0.15095 | 2.74540 | 36  | V |
| K21U20P | 24.2 | 0.15 | K221L | 9.582   | 54.994  | 52.634  | 14.802 | 0.41051 | 1.57041 | 38  | X |
| K21U29K | 17.8 | 0.15 | K221L | 6.497   | 220.890 | 190.843 | 15.498 | 0.32564 | 3.19316 | 26  | X |
| K21U50X | 19.3 | 0.15 | K221L | 32.664  | 292.793 | 71.466  | 12.816 | 0.31610 | 2.62295 | 21  | V |
| K21U51A | 19.5 | 0.15 | K221L | 348.171 | 266.088 | 210.608 | 26.504 | 0.43144 | 2.57821 | 24  | B |
| K21V00R | 23.4 | 0.15 | K221L | 16.194  | 40.024  | 54.740  | 21.944 | 0.34109 | 1.46882 | 20  | X |
| K21V04R | 26.4 | 0.15 | K221L | 13.049  | 203.695 | 258.626 | 0.667  | 0.40565 | 1.54587 | 15  | X |
| K21V11P | 31.8 | 0.15 | K221L | 9.574   | 83.453  | 47.424  | 2.199  | 0.31821 | 1.14050 | 0   | V |
| K21V26Q | 24.3 | 0.15 | K221L | 82.071  | 133.444 | 240.622 | 17.961 | 0.15927 | 1.13796 | 7   | X |
| K21V27J | 18.0 | 0.15 | K221L | 74.374  | 191.192 | 134.364 | 20.163 | 0.31182 | 2.55399 | 11  | V |

New observations:

|         |        |    |              |    |           |           |       |       |            |            |
|---------|--------|----|--------------|----|-----------|-----------|-------|-------|------------|------------|
| K07T23C | C2021  | 11 | 21.477383002 | 09 | 37.10     | +14       | 47    | 17.2  | 17.07      | oVEW034T05 |
| K07T23C | C2021  | 11 | 21.47706202  | 09 | 37.24     | +14       | 47    | 41.2  | 16.96      | oVEW034T05 |
| K07T23C | C2021  | 11 | 21.48392802  | 09 | 37.47     | +14       | 48    | 33.8  | 16.92      | oVEW034T05 |
| K07T23C | C2021  | 11 | 21.49868102  | 09 | 38.04     | +14       | 50    | 26.0  | 16.99      | oVEW034T05 |
| K07T23C | KC2021 | 11 | 21.90401902  | 10 | 04.66     | +15       | 42    | 02.6  | 17.2       | VqEW034J69 |
| K07T23C | KC2021 | 11 | 21.90795202  | 10 | 04.83     | +15       | 42    | 32.9  | 17.1       | VqEW034J69 |
| K07T23C | KC2021 | 11 | 21.91188702  | 10 | 04.97     | +15       | 43    | 03.0  | 17.4       | VqEW034J69 |
| K07T23C | KC2021 | 11 | 21.91582502  | 10 | 05.17     | +15       | 43    | 33.6  | 17.3       | VqEW034J69 |
| K10VJ8U | C2021  | 05 | 29.34407610  | 38 | 03.849+54 | 48        | 29.86 | 20.26 | iUEW034F51 |            |
| K10VJ8U | C2021  | 05 | 29.35705910  | 38 | 08.300+54 | 48        | 08.65 | 20.16 | iUEW034F51 |            |
| K10VJ8U | C2021  | 05 | 29.37000810  | 38 | 12.759+54 | 47        | 47.22 | 20.54 | iUEW034F51 |            |
| K14T32X | C2021  | 11 | 21.41318     | 03 | 35        | 40.074-14 | 57    | 09.19 | 19.8       | iUEW034F51 |
| K14T32X | C2021  | 11 | 21.42428     | 03 | 35        | 39.603-14 | 57    | 31.03 | 20.0       | iUEW034F51 |
| K14T32X | C2021  | 11 | 21.43541     | 03 | 35        | 39.143-14 | 57    | 52.97 | 19.9       | iUEW034F51 |
| K14T32X | C2021  | 11 | 21.44650     | 03 | 35        | 38.674-14 | 58    | 14.81 | 20.0       | iUEW034F51 |
| K16Y04L | C2021  | 11 | 09.21205318  | 10 | 52.873+47 | 14        | 57.71 | 21.93 | GVEW034T12 |            |
| K16Y04L | C2021  | 11 | 09.21328918  | 10 | 53.044+47 | 15        | 00.00 | 21.70 | GVEW034T12 |            |
| K16Y04L | C2021  | 11 | 09.21447318  | 10 | 53.208+47 | 15        | 02.11 | 21.65 | GVEW034T12 |            |
| K17G04G | C2021  | 11 | 21.26826     | 23 | 41        | 45.087-11 | 17    | 38.40 | 20.5       | iUEW034F51 |
| K17G04G | C2021  | 11 | 21.30192     | 23 | 41        | 51.199-11 | 15    | 21.20 | 20.3       | iUEW034F51 |
| K19A12F | C2021  | 11 | 21.61392     | 09 | 03        | 19.152+46 | 21    | 50.96 | 19.3       | iUEW034F52 |
| K19A12F | C2021  | 11 | 21.62365     | 09 | 03        | 19.995+46 | 21    | 45.43 | 19.3       | iUEW034F52 |
| K19A12F | C2021  | 11 | 21.63340     | 09 | 03        | 20.754+46 | 21    | 40.45 | 19.3       | iUEW034F52 |
| K19A12F | C2021  | 11 | 21.64326     | 09 | 03        | 21.569+46 | 21    | 35.19 | 19.2       | iUEW034F52 |
| K21K10G | KC2021 | 11 | 06.83864601  | 25 | 14.57     | +44       | 58    | 32.4  | 19.0       | VZEW034C95 |
| K21K10G | KC2021 | 11 | 06.87210601  | 25 | 12.67     | +44       | 57    | 21.8  | 19.7       | VZEW034C95 |
| K21M01O | C2021  | 11 | 22.35186300  | 22 | 12.163+20 | 05        | 58.92 | 18.55 | iUEW034F52 |            |
| K21M01O | C2021  | 11 | 22.36329400  | 22 | 13.234+20 | 06        | 15.29 | 18.49 | iUEW034F52 |            |
| K21M01O | C2021  | 11 | 22.37470000  | 22 | 14.289+20 | 06        | 31.48 | 18.59 | iUEW034F52 |            |
| K21N01F | C2011  | 01 | 30.52765     | 09 | 10        | 07.226+19 | 31    | 47.75 | 24.8       | wLEW034F51 |
| K21N01F | C2011  | 01 | 30.54277     | 09 | 10        | 06.327+19 | 31    | 51.22 | 25.0       | wLEW034F51 |
| K21N01F | C2011  | 01 | 30.56019     | 09 | 10        | 05.281+19 | 31    | 55.49 | 24.9       | wLEW034F51 |
| K21N01F | C2017  | 09 | 14.36556     | 22 | 56        | 56.958-10 | 20    | 25.40 | 22.0       | wLEW034F51 |
| K21N01F | C2017  | 09 | 14.37702     | 22 | 56        | 56.309-10 | 20    | 29.46 | 22.1       | wLEW034F51 |

|         |        |    |             |    |    |        |     |    |       |       |            |
|---------|--------|----|-------------|----|----|--------|-----|----|-------|-------|------------|
| K21S03R | KC2021 | 11 | 19.89530    | 02 | 42 | 03.45  | +08 | 53 | 14.4  | 19.5  | GVEW034K83 |
| K21S03R | KC2021 | 11 | 19.89942    | 02 | 42 | 04.41  | +08 | 53 | 17.7  | 19.3  | GVEW034K83 |
| K21S03R | KC2021 | 11 | 19.91174    | 02 | 42 | 07.34  | +08 | 53 | 27.4  | 19.4  | GVEW034K83 |
| K21T21Q | C2021  | 11 | 21.40606703 | 01 | 00 | 318-10 |     | 15 | 34.80 | 18.81 | iUEW034F51 |
| K21T21Q | C2021  | 11 | 21.41720403 | 01 | 01 | 840-10 |     | 16 | 42.57 | 18.91 | iUEW034F51 |
| K21T21Q | C2021  | 11 | 21.43941703 | 01 | 04 | 885-10 |     | 18 | 57.02 | 18.81 | iUEW034F51 |
| K21U20P | 6C2021 | 11 | 21.19809    | 00 | 50 | 45.95  | +25 | 41 | 41.1  | 19.6  | GVEW034Z90 |
| K21U20P | 6C2021 | 11 | 21.20463    | 00 | 50 | 39.58  | +25 | 43 | 20.0  | 19.5  | GVEW034Z90 |
| K21U20P | 6C2021 | 11 | 21.21100    | 00 | 50 | 33.38  | +25 | 44 | 56.4  | 20.0  | GVEW034Z90 |
| K21V00R | KC2021 | 11 | 19.87039    | 01 | 39 | 51.35  | +32 | 06 | 11.3  | 17.7  | GVEW034K83 |
| K21V00R | KC2021 | 11 | 19.87732    | 01 | 39 | 40.70  | +32 | 10 | 15.7  | 17.5  | GVEW034K83 |
| K21V00R | KC2021 | 11 | 19.88244    | 01 | 39 | 32.83  | +32 | 13 | 15.7  | 17.4  | GVEW034K83 |
| K21V00R | KC2021 | 11 | 21.87146100 | 39 | 19 | 07     | +50 | 03 | 27.3  | 18.1  | GVEW034J95 |
| K21V00R | KC2021 | 11 | 21.87372200 | 39 | 13 | 86     | +50 | 04 | 29.7  | 18.1  | GVEW034J95 |
| K21V00R | KC2021 | 11 | 21.87599300 | 39 | 08 | 61     | +50 | 05 | 31.8  | 17.9  | GVEW034J95 |
| K21V00R | KC2021 | 11 | 21.87829100 | 39 | 03 | 39     | +50 | 06 | 35.2  | 18.2  | GVEW034J95 |
| K21V04R | KC2021 | 11 | 21.85699300 | 23 | 18 | 26     | +17 | 57 | 29.0  | 18.8  | GVEW034J95 |
| K21V04R | KC2021 | 11 | 21.86017000 | 23 | 13 | 21     | +17 | 57 | 38.8  | 18.5  | GVEW034J95 |
| K21V04R | KC2021 | 11 | 21.86343100 | 23 | 07 | 99     | +17 | 57 | 49.0  | 18.6  | GVEW034J95 |
| K21V04R | KC2021 | 11 | 21.86674400 | 23 | 02 | 72     | +17 | 57 | 59.2  | 18.8  | GVEW034J95 |
| K21V26Q | KC2021 | 11 | 19.84601    | 20 | 57 | 11.29  | +69 | 05 | 57.6  | 18.3  | GVEW034K83 |
| K21V26Q | KC2021 | 11 | 19.84908    | 20 | 57 | 32.06  | +69 | 05 | 59.4  | 18.1  | GVEW034K83 |
| K21V26Q | KC2021 | 11 | 19.85207    | 20 | 57 | 52.32  | +69 | 06 | 00.8  | 17.8  | GVEW034K83 |
| K21V26Q | KC2021 | 11 | 21.79916601 | 16 | 01 | 63     | +51 | 54 | 23.9  | 16.8  | GVEW034J95 |
| K21V26Q | KC2021 | 11 | 21.80009001 | 16 | 06 | 75     | +51 | 53 | 14.7  | 16.9  | GVEW034J95 |
| K21V26Q | KC2021 | 11 | 21.80098301 | 16 | 11 | 71     | +51 | 52 | 07.6  | 16.9  | GVEW034J95 |
| K21V26Q | KC2021 | 11 | 21.80183901 | 16 | 16 | 47     | +51 | 51 | 03.3  | 16.9  | GVEW034J95 |
| K21V26Q | KC2021 | 11 | 22.01400601 | 34 | 34 | 28     | +47 | 06 | 06.7  | 16.0  | GVEW034J95 |
| K21V26Q | KC2021 | 11 | 22.01573601 | 34 | 42 | 72     | +47 | 03 | 38.6  | 15.9  | GVEW034J95 |
| K21V26Q | KC2021 | 11 | 22.01746701 | 34 | 51 | 16     | +47 | 01 | 10.0  | 15.9  | GVEW034J95 |
| 00433   | C2021  | 11 | 21.21737019 | 49 | 55 | 37     | -17 | 46 | 43.6  | 14.32 | oVEW034T08 |
| 00433   | C2021  | 11 | 21.22060019 | 49 | 55 | 77     | -17 | 46 | 42.0  | 14.28 | oVEW034T08 |
| 00433   | C2021  | 11 | 21.22846019 | 49 | 56 | 77     | -17 | 46 | 38.0  | 14.13 | oVEW034T08 |
| 00433   | C2021  | 11 | 21.24553419 | 49 | 58 | 94     | -17 | 46 | 29.5  | 13.93 | oVEW034T08 |
| 01036   | C2021  | 11 | 21.60565010 | 31 | 43 | 36     | -16 | 13 | 35.7  | 15.57 | oVEW034T08 |
| 01036   | C2021  | 11 | 21.60981010 | 31 | 43 | 46     | -16 | 13 | 37.6  | 15.62 | oVEW034T08 |
| 01036   | C2021  | 11 | 21.61625710 | 31 | 43 | 63     | -16 | 13 | 40.5  | 15.65 | oVEW034T08 |
| 01036   | C2021  | 11 | 21.63481410 | 31 | 44 | 10     | -16 | 13 | 48.7  | 15.61 | oVEW034T08 |
| 02340   | C2021  | 11 | 21.48144    | 02 | 53 | 14.870 | +02 | 10 | 37.96 | 18.2  | iUEW034F52 |
| 02340   | C2021  | 11 | 21.49366    | 02 | 53 | 11.355 | +02 | 10 | 21.91 | 18.2  | iUEW034F52 |
| 02340   | C2021  | 11 | 21.50586    | 02 | 53 | 07.851 | +02 | 10 | 05.81 | 18.2  | iUEW034F52 |
| 02340   | C2021  | 11 | 21.51815    | 02 | 53 | 04.346 | +02 | 09 | 49.68 | 18.4  | iUEW034F52 |
| 03691   | C2021  | 11 | 18.31573009 | 15 | 54 | 33     | +44 | 10 | 05.6  | 18.40 | gUEW034I41 |
| 03691   | C2021  | 11 | 18.43131909 | 16 | 03 | 49     | +44 | 10 | 40.6  | 18.36 | gUEW034I41 |
| 03691   | C2021  | 11 | 18.51611009 | 16 | 10 | 08     | +44 | 11 | 05.8  | 17.78 | rUEW034I41 |
| 03691   | C2021  | 11 | 19.33801009 | 17 | 15 | 84     | +44 | 15 | 01.6  | 17.56 | rUEW034I41 |
| 03691   | C2021  | 11 | 19.39043109 | 17 | 19 | 91     | +44 | 15 | 18.0  | 17.59 | rUEW034I41 |
| 03691   | C2021  | 11 | 19.41706009 | 17 | 21 | 96     | +44 | 15 | 26.3  | 18.14 | gUEW034I41 |
| 03691   | C2021  | 11 | 19.48874009 | 17 | 27 | 42     | +44 | 15 | 48.4  | 18.28 | gUEW034I41 |
| 03691   | C2021  | 11 | 19.50381909 | 17 | 28 | 58     | +44 | 15 | 52.7  | 17.68 | rUEW034I41 |
| 03691   | C2021  | 11 | 20.31983009 | 18 | 32 | 45     | +44 | 19 | 53.3  | 18.31 | gUEW034I41 |
| 03691   | C2021  | 11 | 20.36428009 | 18 | 35 | 85     | +44 | 20 | 07.8  | 18.38 | gUEW034I41 |
| 03691   | C2021  | 11 | 20.38883009 | 18 | 37 | 70     | +44 | 20 | 15.7  | 18.39 | gUEW034I41 |
| 04660   | C2021  | 11 | 21.67931    | 03 | 19 | 31.86  | +37 | 07 | 38.9  | 13.5  | GVEW034M44 |
| 04660   | C2021  | 11 | 21.68433    | 03 | 19 | 32.20  | +37 | 07 | 56.5  | 13.6  | GVEW034M44 |
| 04660   | C2021  | 11 | 21.70083    | 03 | 19 | 33.28  | +37 | 08 | 51.5  | 13.7  | GVEW034M44 |
| 04660   | 1C2021 | 11 | 21.80469    | 03 | 19 | 40.81  | +37 | 13 | 54.4  | 14.4  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.80576    | 03 | 19 | 40.89  | +37 | 13 | 57.7  | 14.4  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.80683    | 03 | 19 | 40.95  | +37 | 14 | 01.4  | 14.4  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.80791    | 03 | 19 | 41.03  | +37 | 14 | 04.7  | 14.4  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.80897    | 03 | 19 | 41.10  | +37 | 14 | 08.4  | 14.4  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.81005    | 03 | 19 | 41.16  | +37 | 14 | 11.7  | 14.4  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.81111    | 03 | 19 | 41.24  | +37 | 14 | 15.2  | 14.4  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.81219    | 03 | 19 | 41.30  | +37 | 14 | 18.8  | 14.4  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.81325    | 03 | 19 | 41.38  | +37 | 14 | 22.2  | 14.4  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.81433    | 03 | 19 | 41.45  | +37 | 14 | 25.8  | 14.4  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.81539    | 03 | 19 | 41.52  | +37 | 14 | 29.2  | 14.4  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.81647    | 03 | 19 | 41.59  | +37 | 14 | 32.7  | 14.4  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.81753    | 03 | 19 | 41.66  | +37 | 14 | 36.2  | 14.4  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.81860    | 03 | 19 | 41.73  | +37 | 14 | 39.7  | 14.4  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.81968    | 03 | 19 | 41.80  | +37 | 14 | 43.2  | 14.4  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.82074    | 03 | 19 | 41.87  | +37 | 14 | 46.7  | 14.3  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.82182    | 03 | 19 | 41.95  | +37 | 14 | 50.2  | 14.3  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.82288    | 03 | 19 | 42.01  | +37 | 14 | 53.6  | 14.3  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.82396    | 03 | 19 | 42.08  | +37 | 14 | 57.0  | 14.3  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.82502    | 03 | 19 | 42.15  | +37 | 15 | 00.5  | 14.3  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.82610    | 03 | 19 | 42.22  | +37 | 15 | 04.0  | 14.3  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.82716    | 03 | 19 | 42.29  | +37 | 15 | 07.6  | 14.3  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.82824    | 03 | 19 | 42.35  | +37 | 15 | 10.9  | 14.3  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.82931    | 03 | 19 | 42.43  | +37 | 15 | 14.5  | 14.3  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.83037    | 03 | 19 | 42.50  | +37 | 15 | 17.9  | 14.4  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.83145    | 03 | 19 | 42.58  | +37 | 15 | 21.3  | 14.4  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.83251    | 03 | 19 | 42.64  | +37 | 15 | 24.8  | 14.3  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.83359    | 03 | 19 | 42.71  | +37 | 15 | 28.2  | 14.3  | GVEW034C40 |
| 04660   | 1C2021 | 11 | 21.83465    | 03 | 19 | 42.78  | +37 | 15 | 31.8  | 14.3  | GVEW034C40 |
| 04954   | C2021  | 11 | 20.78791    | 20 | 43 | 36.88  | -19 | 29 | 23.8  | 14.1  | RVEW034L92 |
| 04954   | C2021  | 11 | 20.78865    | 20 | 43 | 36.89  | -19 | 29 | 23.2  | 14.3  | RVEW034L92 |
| 04954   | C2021  | 11 | 21.23629920 | 44 | 40 | 42     | -19 | 18 | 30.5  | 14.68 | oVEW034T08 |
| 04954   | C2021  | 11 | 21.23999020 | 44 | 40 | 93     | -19 | 18 | 25.1  | 14.65 | oVEW034T08 |
| 04954   | C2021  | 11 | 21.24876220 | 44 | 42 | 16     | -19 | 18 | 12.3  | 14.61 | oVEW034T08 |
| 04954   | C2021  | 11 | 21.26311020 | 44 | 44 | 20     | -19 | 17 | 50.6  | 14.19 | oVEW034T08 |
| 04954   | C2021  | 11 | 21.27419320 | 44 | 45 | 74     | -19 | 17 | 35.1  | 14.62 | oVEW034T08 |
| 07341   | C2021  | 11 | 21.28232822 | 45 | 49 | 544    | +13 | 25 | 28.79 | 16.37 | iUEW034F52 |

|       |        |    |             |    |           |           |       |                 |                 |
|-------|--------|----|-------------|----|-----------|-----------|-------|-----------------|-----------------|
| 07341 | C2021  | 11 | 21.30412222 | 45 | 48.243+13 | 25        | 15.49 | 16.30iUEW034F52 |                 |
| 07341 | C2021  | 11 | 21.31496622 | 45 | 47.604+13 | 25        | 08.85 | 16.40iUEW034F52 |                 |
| 07341 | C2021  | 11 | 21.31781722 | 45 | 47.43 +13 | 25        | 07.2  | 16.06oVEW034T05 |                 |
| 07341 | C2021  | 11 | 21.32753022 | 45 | 46.88 +13 | 25        | 01.1  | 16.19oVEW034T05 |                 |
| 07341 | C2021  | 11 | 21.34176422 | 45 | 46.06 +13 | 24        | 52.4  | 16.52oVEW034T05 |                 |
| 07341 | C2021  | 11 | 21.34498622 | 45 | 45.86 +13 | 24        | 50.2  | 16.49oVEW034T05 |                 |
| 08201 | C2021  | 11 | 21.48144402 | 53 | 29.205+03 | 02        | 05.49 | 19.82iUEW034F52 |                 |
| 08201 | C2021  | 11 | 21.49365502 | 53 | 28.296+03 | 02        | 00.96 | 19.65iUEW034F52 |                 |
| 08201 | C2021  | 11 | 21.50586202 | 53 | 27.370+03 | 01        | 56.97 | 19.68iUEW034F52 |                 |
| 08201 | C2021  | 11 | 21.51814602 | 53 | 26.451+03 | 01        | 53.10 | 19.71iUEW034F52 |                 |
| 18882 | C2021  | 11 | 20.27938008 | 46 | 04.93 +52 | 44        | 33.8  | 18.14rUEW034I41 |                 |
| 18882 | C2021  | 11 | 20.32079108 | 46 | 05.47 +52 | 44        | 20.7  | 18.87gUEW034I41 |                 |
| 18882 | C2021  | 11 | 20.38931908 | 46 | 06.29 +52 | 43        | 59.4  | 18.79gUEW034I41 |                 |
| 18882 | C2021  | 11 | 20.41727008 | 46 | 06.55 +52 | 43        | 50.4  | 18.77gUEW034I41 |                 |
| 18882 | C2021  | 11 | 20.44586008 | 46 | 06.83 +52 | 43        | 41.1  | 18.14rUEW034I41 |                 |
| 32906 | C2021  | 11 | 21.30175922 | 19 | 37.67 +37 | 52        | 00.4  | 16.69oVEW034T05 |                 |
| 32906 | C2021  | 11 | 21.31229222 | 19 | 38.42 +37 | 52        | 06.5  | 16.73oVEW034T05 |                 |
| 32906 | C2021  | 11 | 21.32014422 | 19 | 38.97 +37 | 52        | 11.3  | 16.68oVEW034T05 |                 |
| 32906 | C2021  | 11 | 21.32427222 | 19 | 39.26 +37 | 52        | 13.6  | 16.57oVEW034T05 |                 |
| 66146 | C2021  | 11 | 21.23676121 | 00 | 32.37 -23 | 33        | 52.3  | 16.45oVEW034T08 |                 |
| 66146 | C2021  | 11 | 21.24045221 | 00 | 33.00 -23 | 33        | 49.5  | 16.32oVEW034T08 |                 |
| 66146 | C2021  | 11 | 21.24830021 | 00 | 34.39 -23 | 33        | 42.6  | 16.52oVEW034T08 |                 |
| 66146 | C2021  | 11 | 21.27465421 | 00 | 39.05 -23 | 33        | 19.1  | 16.30oVEW034T08 |                 |
| 68063 | C2021  | 11 | 19.24545000 | 00 | 14.93 +16 | 43        | 46.2  | 16.55gUEW034I41 |                 |
| 68063 | C2021  | 11 | 19.24640000 | 00 | 15.07 +16 | 43        | 46.5  | 16.53gUEW034I41 |                 |
| 68063 | C2021  | 11 | 19.30076000 | 00 | 22.99 +16 | 44        | 01.4  | 15.85rUEW034I41 |                 |
| 68063 | C2021  | 11 | 19.31078000 | 00 | 24.46 +16 | 44        | 04.1  | 15.83rUEW034I41 |                 |
| 68063 | C2021  | 11 | 21.41491100 | 05 | 41.10 +16 | 54        | 13.6  | 16.03oVEW034T05 |                 |
| 68063 | C2021  | 11 | 21.41812200 | 05 | 41.57 +16 | 54        | 14.5  | 16.10oVEW034T05 |                 |
| 68063 | C2021  | 11 | 21.42826500 | 05 | 43.06 +16 | 54        | 17.2  | 16.00oVEW034T05 |                 |
| 68063 | C2021  | 11 | 21.43471600 | 05 | 44.00 +16 | 54        | 18.8  | 15.91oVEW034T05 |                 |
| 68063 | C2021  | 11 | 22.34102500 | 08 | 00.868+16 | 58        | 38.50 | 15.71iUEW034F52 |                 |
| 68063 | C2021  | 11 | 22.35249200 | 08 | 02.523+16 | 58        | 41.55 | 15.68iUEW034F52 |                 |
| 68063 | C2021  | 11 | 22.36392400 | 08 | 04.179+16 | 58        | 44.64 | 15.65iUEW034F52 |                 |
| 68063 | C2021  | 11 | 22.37535000 | 08 | 05.842+16 | 58        | 47.68 | 15.71iUEW034F52 |                 |
| 87024 | C2021  | 11 | 21.48809402 | 51 | 33.29 +08 | 01        | 29.4  | 16.13oVEW034T05 |                 |
| 87024 | C2021  | 11 | 21.50234002 | 51 | 32.75 +08 | 00        | 41.3  | 16.07oVEW034T05 |                 |
| 87024 | C2021  | 11 | 21.50881902 | 51 | 32.49 +08 | 00        | 19.7  | 16.18oVEW034T05 |                 |
| 87024 | C2021  | 11 | 21.51586902 | 51 | 32.23 +07 | 59        | 55.7  | 16.24oVEW034T05 |                 |
| 88263 | C2021  | 11 | 21.47797802 | 33 | 09.06 +13 | 39        | 10.9  | 14.79oVEW034T05 |                 |
| 88263 | C2021  | 11 | 21.48164402 | 33 | 08.78 +13 | 38        | 51.4  | 14.68oVEW034T05 |                 |
| 88263 | C2021  | 11 | 21.48717902 | 33 | 08.38 +13 | 38        | 22.2  | 14.72oVEW034T05 |                 |
| 88263 | C2021  | 11 | 21.50279802 | 33 | 07.26 +13 | 36        | 59.5  | 14.75oVEW034T05 |                 |
| 88263 | 1C2021 | 11 | 21.73132    | 02 | 32        | 53.62 +13 | 16    | 47.6            | 14.8 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.73238    | 02 | 32        | 53.52 +13 | 16    | 42.1            | 14.8 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.73346    | 02 | 32        | 53.45 +13 | 16    | 36.3            | 14.8 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.73453    | 02 | 32        | 53.38 +13 | 16    | 30.7            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.73560    | 02 | 32        | 53.31 +13 | 16    | 25.0            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.73667    | 02 | 32        | 53.23 +13 | 16    | 19.4            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.73774    | 02 | 32        | 53.16 +13 | 16    | 13.8            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.73881    | 02 | 32        | 53.07 +13 | 16    | 08.2            | 14.8 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.73988    | 02 | 32        | 53.00 +13 | 16    | 02.5            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.74095    | 02 | 32        | 52.92 +13 | 15    | 56.9            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.74203    | 02 | 32        | 52.85 +13 | 15    | 51.1            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.74309    | 02 | 32        | 52.77 +13 | 15    | 45.5            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.74417    | 02 | 32        | 52.70 +13 | 15    | 40.0            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.74523    | 02 | 32        | 52.63 +13 | 15    | 34.3            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.74631    | 02 | 32        | 52.55 +13 | 15    | 28.7            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.74737    | 02 | 32        | 52.47 +13 | 15    | 23.0            | 14.8 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.74845    | 02 | 32        | 52.39 +13 | 15    | 17.4            | 14.8 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.74951    | 02 | 32        | 52.32 +13 | 15    | 11.7            | 14.8 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.75059    | 02 | 32        | 52.25 +13 | 15    | 06.2            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.75166    | 02 | 32        | 52.16 +13 | 15    | 00.5            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.75273    | 02 | 32        | 52.08 +13 | 14    | 55.0            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.75380    | 02 | 32        | 52.01 +13 | 14    | 49.2            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.75487    | 02 | 32        | 51.93 +13 | 14    | 43.6            | 15.0 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.75594    | 02 | 32        | 51.85 +13 | 14    | 37.9            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.75701    | 02 | 32        | 51.78 +13 | 14    | 32.3            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.75808    | 02 | 32        | 51.70 +13 | 14    | 26.7            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.75916    | 02 | 32        | 51.63 +13 | 14    | 21.1            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.76022    | 02 | 32        | 51.55 +13 | 14    | 15.4            | 15.0 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.76130    | 02 | 32        | 51.47 +13 | 14    | 09.7            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.76236    | 02 | 32        | 51.39 +13 | 14    | 04.2            | 15.0 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.77186    | 02 | 32        | 50.72 +13 | 13    | 14.1            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.77293    | 02 | 32        | 50.65 +13 | 13    | 08.4            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.77400    | 02 | 32        | 50.57 +13 | 13    | 02.9            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.77507    | 02 | 32        | 50.49 +13 | 12    | 57.1            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.77615    | 02 | 32        | 50.42 +13 | 12    | 51.4            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.77721    | 02 | 32        | 50.33 +13 | 12    | 45.7            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.77829    | 02 | 32        | 50.26 +13 | 12    | 40.1            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.77935    | 02 | 32        | 50.18 +13 | 12    | 34.6            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.78043    | 02 | 32        | 50.10 +13 | 12    | 28.9            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.78149    | 02 | 32        | 50.02 +13 | 12    | 23.4            | 14.8 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.78257    | 02 | 32        | 49.95 +13 | 12    | 17.7            | 14.8 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.78363    | 02 | 32        | 49.87 +13 | 12    | 11.9            | 14.8 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.78471    | 02 | 32        | 49.79 +13 | 12    | 06.4            | 14.8 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.78578    | 02 | 32        | 49.72 +13 | 12    | 00.8            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.78684    | 02 | 32        | 49.65 +13 | 11    | 54.9            | 15.0 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.78792    | 02 | 32        | 49.57 +13 | 11    | 49.3            | 14.8 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.78898    | 02 | 32        | 49.49 +13 | 11    | 44.0            | 14.7 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.79006    | 02 | 32        | 49.41 +13 | 11    | 38.2            | 14.8 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.79112    | 02 | 32        | 49.34 +13 | 11    | 32.5            | 14.9 GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.79326    | 02 | 32        | 49.19 +13 | 11    | 21.2            | 14.7 GVEW034C40 |



|       |        |    |             |    |        |        |     |       |       |       |            |
|-------|--------|----|-------------|----|--------|--------|-----|-------|-------|-------|------------|
| 88263 | 1C2021 | 11 | 21.79434    | 02 | 32     | 49.10  | +13 | 11    | 15.7  | 15.0  | GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.79541    | 02 | 32     | 49.02  | +13 | 11    | 10.0  | 15.0  | GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.79648    | 02 | 32     | 48.95  | +13 | 11    | 04.4  | 15.0  | GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.79755    | 02 | 32     | 48.87  | +13 | 10    | 58.6  | 15.1  | GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.79862    | 02 | 32     | 48.79  | +13 | 10    | 52.9  | 15.0  | GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.79969    | 02 | 32     | 48.73  | +13 | 10    | 47.2  | 14.9  | GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.80183    | 02 | 32     | 48.56  | +13 | 10    | 36.0  | 14.9  | GVEW034C40 |
| 88263 | 1C2021 | 11 | 21.80289    | 02 | 32     | 48.49  | +13 | 10    | 30.4  | 15.0  | GVEW034C40 |
| 88263 | KC2021 | 11 | 21.86604102 | 32 | 44.57  | +13    | 04  | 55.1  |       | 15.5  | VqEW034J69 |
| 88263 | KC2021 | 11 | 21.86998102 | 32 | 44.30  | +13    | 04  | 34.2  |       | 15.5  | VqEW034J69 |
| 88263 | KC2021 | 11 | 21.87392202 | 32 | 44.02  | +13    | 04  | 13.6  |       | 15.5  | VqEW034J69 |
| 88263 | KC2021 | 11 | 21.87785702 | 32 | 43.75  | +13    | 03  | 52.8  |       | 15.6  | VqEW034J69 |
| 96744 | C2021  | 11 | 21.40930803 | 30 | 59.604 | -10    | 49  | 22.51 |       | 20.41 | iUEW034F51 |
| 96744 | C2021  | 11 | 21.42042003 | 30 | 58.869 | -10    | 49  | 25.82 |       | 20.45 | iUEW034F51 |
| 96744 | C2021  | 11 | 21.43154403 | 30 | 58.147 | -10    | 49  | 29.14 |       | 20.12 | iUEW034F51 |
| 96744 | C2021  | 11 | 21.44264403 | 30 | 57.425 | -10    | 49  | 32.52 |       | 20.14 | iUEW034F51 |
| A5140 | C2021  | 11 | 21.24429820 | 17 | 11.61  | +11    | 48  | 02.1  |       | 18.13 | oVEW034T05 |
| A5140 | C2021  | 11 | 21.24752820 | 17 | 11.87  | +11    | 47  | 58.0  |       | 17.96 | oVEW034T05 |
| A5140 | C2021  | 11 | 21.25349720 | 17 | 12.33  | +11    | 47  | 50.4  |       | 18.09 | oVEW034T05 |
| A5140 | C2021  | 11 | 21.26449320 | 17 | 13.20  | +11    | 47  | 36.1  |       | 17.83 | oVEW034T05 |
| D8175 | C2021  | 11 | 21.57114    | 09 | 02     | 12.536 | +34 | 02    | 22.08 | 19.0  | iUEW034F52 |
| D8175 | C2021  | 11 | 21.58142    | 09 | 02     | 11.471 | +34 | 02    | 39.79 | 19.3  | iUEW034F52 |
| D8175 | C2021  | 11 | 21.59182    | 09 | 02     | 10.413 | +34 | 02    | 57.34 | 19.1  | iUEW034F52 |
| D8175 | C2021  | 11 | 21.60228    | 09 | 02     | 09.341 | +34 | 03    | 15.12 | 19.0  | iUEW034F52 |
| D8937 | C2021  | 11 | 21.57486409 | 30 | 50.24  | -18    | 05  | 16.3  |       | 18.01 | oVEW034T08 |
| D8937 | C2021  | 11 | 21.58040209 | 30 | 49.37  | -18    | 04  | 55.8  |       | 18.06 | oVEW034T08 |
| D8937 | C2021  | 11 | 21.58408809 | 30 | 48.79  | -18    | 04  | 41.6  |       | 17.68 | oVEW034T08 |
| D8937 | C2021  | 11 | 21.59780709 | 30 | 46.67  | -18    | 03  | 49.3  |       | 17.81 | oVEW034T08 |
| F9857 | 9C2021 | 11 | 21.25041    | 08 | 03     | 29.29  | -07 | 58    | 14.6  | 13.5  | GVEW034G40 |
| F9857 | 3C2021 | 11 | 21.25097    | 08 | 03     | 31.18  | -07 | 57    | 35.0  | 13.9  | GVEW034W88 |
| F9857 | 9C2021 | 11 | 21.25127    | 08 | 03     | 29.04  | -07 | 58    | 18.9  | 13.7  | GVEW034G40 |
| F9857 | 3C2021 | 11 | 21.25257    | 08 | 03     | 30.75  | -07 | 57    | 43.0  | 13.9  | GVEW034W88 |
| F9857 | 9C2021 | 11 | 21.25362    | 08 | 03     | 28.44  | -07 | 58    | 30.3  | 13.8  | GVEW034G40 |
| F9857 | 3C2021 | 11 | 21.25380    | 08 | 03     | 30.43  | -07 | 57    | 49.2  | 13.8  | GVEW034W88 |
| F9857 | 3C2021 | 11 | 21.25610    | 08 | 03     | 29.83  | -07 | 58    | 00.5  | 13.9  | GVEW034W88 |
| F9857 | 9C2021 | 11 | 21.25686    | 08 | 03     | 27.59  | -07 | 58    | 46.5  | 13.7  | GVEW034G40 |
| F9857 | 3C2021 | 11 | 21.26204    | 08 | 03     | 28.27  | -07 | 58    | 30.1  | 13.9  | GVEW034W88 |
| G3696 | C2021  | 11 | 21.56203609 | 16 | 30.19  | +37    | 17  | 39.3  |       | 16.67 | oVEW034T05 |
| G3696 | C2021  | 11 | 21.56437209 | 16 | 30.15  | +37    | 17  | 48.2  |       | 16.15 | oVEW034T05 |
| G3696 | C2021  | 11 | 21.56716509 | 16 | 30.16  | +37    | 17  | 57.7  |       | 16.52 | oVEW034T05 |
| G3696 | C2021  | 11 | 21.57563809 | 16 | 30.015 | +37    | 18  | 30.41 |       | 16.77 | iUEW034F52 |
| G3696 | C2021  | 11 | 21.58598409 | 16 | 29.882 | +37    | 19  | 09.10 |       | 16.79 | iUEW034F52 |
| G3696 | C2021  | 11 | 21.59231209 | 16 | 29.86  | +37    | 19  | 33.1  |       | 16.09 | oVEW034T05 |
| G3696 | C2021  | 11 | 21.59635409 | 16 | 29.737 | +37    | 19  | 47.91 |       | 16.84 | iUEW034F52 |
| G3696 | C2021  | 11 | 21.60679709 | 16 | 29.593 | +37    | 20  | 27.03 |       | 16.89 | iUEW034F52 |
| S3460 | C2021  | 11 | 21.41491100 | 14 | 36.77  | +19    | 55  | 39.5  |       | 18.30 | oVEW034T05 |
| S3460 | C2021  | 11 | 21.41582600 | 14 | 36.96  | +19    | 55  | 39.4  |       | 18.24 | oVEW034T05 |
| S3460 | C2021  | 11 | 21.42735200 | 14 | 39.34  | +19    | 55  | 39.1  |       | 17.86 | oVEW034T05 |
| S3460 | C2021  | 11 | 21.42826500 | 14 | 39.58  | +19    | 55  | 39.0  |       | 18.52 | oVEW034T05 |
| S3460 | C2021  | 11 | 21.43471600 | 14 | 40.77  | +19    | 55  | 38.2  |       | 18.43 | oVEW034T05 |
| S3460 | C2021  | 11 | 22.34039600 | 17 | 51.594 | +19    | 55  | 42.92 |       | 17.87 | iUEW034F52 |
| S3460 | C2021  | 11 | 22.36329400 | 17 | 56.205 | +19    | 55  | 42.48 |       | 17.93 | iUEW034F52 |
| S3460 | C2021  | 11 | 22.37470000 | 17 | 58.497 | +19    | 55  | 42.12 |       | 17.97 | iUEW034F52 |
| V8160 | C2021  | 11 | 19.38760008 | 13 | 59.66  | +17    | 54  | 29.0  |       | 17.34 | rUEW034I41 |
| V8160 | C2021  | 11 | 19.43142008 | 14 | 08.38  | +17    | 53  | 51.8  |       | 18.02 | gUEW034I41 |
| V8160 | C2021  | 11 | 19.43189008 | 14 | 08.48  | +17    | 53  | 51.4  |       | 18.07 | gUEW034I41 |
| V8160 | C2021  | 11 | 19.46166008 | 14 | 14.37  | +17    | 53  | 25.9  |       | 18.26 | gUEW034I41 |
| V8160 | C2021  | 11 | 21.54113508 | 21 | 16.25  | +17    | 23  | 13.0  |       | 17.31 | oVEW034T05 |
| V8160 | C2021  | 11 | 21.55105008 | 21 | 18.14  | +17    | 23  | 04.6  |       | 17.43 | oVEW034T05 |
| V8160 | C2021  | 11 | 21.55426008 | 21 | 18.65  | +17    | 23  | 02.8  |       | 17.76 | oVEW034T05 |
| V8160 | C2021  | 11 | 21.55754408 | 21 | 19.34  | +17    | 22  | 58.8  |       | 17.43 | oVEW034T05 |
| b7732 | C2021  | 11 | 21.43200304 | 20 | 46.552 | -18    | 54  | 44.85 |       | 18.57 | iUEW034F52 |
| b7732 | C2021  | 11 | 21.45244304 | 20 | 44.302 | -18    | 54  | 53.51 |       | 18.46 | iUEW034F52 |
| b7732 | C2021  | 11 | 21.46271804 | 20 | 43.164 | -18    | 54  | 58.15 |       | 18.57 | iUEW034F52 |
| f0195 | C2021  | 11 | 18.42041007 | 50 | 24.93  | +15    | 30  | 17.3  |       | 18.81 | gUEW034I41 |
| f0195 | C2021  | 11 | 18.46169007 | 50 | 32.91  | +15    | 30  | 14.7  |       | 18.18 | rUEW034I41 |
| f0195 | C2021  | 11 | 18.48252007 | 50 | 36.92  | +15    | 30  | 13.1  |       | 18.21 | rUEW034I41 |
| f0195 | C2021  | 11 | 20.37789007 | 56 | 55.28  | +15    | 27  | 47.3  |       | 18.80 | gUEW034I41 |
| f0195 | C2021  | 11 | 20.39553007 | 56 | 58.65  | +15    | 27  | 46.5  |       | 18.91 | gUEW034I41 |
| f0195 | C2021  | 11 | 20.42381907 | 57 | 04.03  | +15    | 27  | 44.9  |       | 18.20 | rUEW034I41 |
| f0195 | C2021  | 11 | 21.52948308 | 00 | 41.58  | +15    | 26  | 32.4  |       | 17.99 | oVEW034T05 |
| f0195 | C2021  | 11 | 21.53701808 | 00 | 43.00  | +15    | 26  | 32.1  |       | 18.11 | oVEW034T05 |
| f0195 | C2021  | 11 | 21.54022008 | 00 | 43.63  | +15    | 26  | 32.0  |       | 18.14 | oVEW034T05 |
| f0195 | C2021  | 11 | 21.55013508 | 00 | 45.44  | +15    | 26  | 31.2  |       | 18.19 | oVEW034T05 |
| f2977 | C2021  | 11 | 21.28658    | 23 | 43     | 18.154 | -13 | 44    | 25.42 | 20.5  | iUEW034F51 |
| f2977 | C2021  | 11 | 21.29779    | 23 | 43     | 16.438 | -13 | 44    | 48.60 | 20.3  | iUEW034F51 |
| f2977 | C2021  | 11 | 21.30903    | 23 | 43     | 14.746 | -13 | 45    | 11.98 | 20.7  | iUEW034F51 |
| i2742 | C2021  | 11 | 21.42178200 | 48 | 54.64  | +08    | 08  | 40.1  |       | 17.97 | oVEW034T05 |
| i2742 | C2021  | 11 | 21.42917900 | 48 | 55.67  | +08    | 08  | 23.6  |       | 17.75 | oVEW034T05 |
| i2742 | C2021  | 11 | 21.43286100 | 48 | 56.26  | +08    | 08  | 15.0  |       | 18.08 | oVEW034T05 |
| i2742 | C2021  | 11 | 21.45038700 | 48 | 58.76  | +08    | 07  | 35.2  |       | 18.11 | oVEW034T05 |
| i2742 | C2021  | 11 | 22.33386000 | 51 | 11.004 | +07    | 35  | 01.02 |       | 17.96 | iUEW034F51 |
| i2742 | C2021  | 11 | 22.34762000 | 51 | 12.949 | +07    | 34  | 30.98 |       | 18.10 | iUEW034F51 |
| i2742 | C2021  | 11 | 22.35892500 | 51 | 14.549 | +07    | 34  | 06.35 |       | 18.07 | iUEW034F51 |
| j3729 | C2021  | 11 | 21.40800103 | 09 | 41.274 | -15    | 15  | 03.15 |       | 19.97 | iUEW034F51 |
| j3729 | C2021  | 11 | 21.41913303 | 09 | 39.900 | -15    | 14  | 50.20 |       | 19.83 | iUEW034F51 |
| j3729 | C2021  | 11 | 21.43024003 | 09 | 38.518 | -15    | 14  | 37.12 |       | 19.94 | iUEW034F51 |
| j3729 | C2021  | 11 | 21.44135303 | 09 | 37.142 | -15    | 14  | 24.04 |       | 20.01 | iUEW034F51 |
| 15462 | C2021  | 11 | 22.35438100 | 18 | 57.321 | +23    | 10  | 34.01 |       | 19.22 | iUEW034F52 |
| 15462 | C2021  | 11 | 22.36581100 | 18 | 56.693 | +23    | 10  | 32.95 |       | 19.22 | iUEW034F52 |
| 15462 | C2021  | 11 | 22.37724500 | 18 | 56.079 | +23    | 10  | 31.87 |       | 19.27 | iUEW034F52 |
| p8678 | C2021  | 11 | 21.21999818 | 59 | 44.70  | +30    | 09  | 48.2  |       | 17.12 | oVEW034T05 |
| p8678 | C2021  | 11 | 21.22320118 | 59 | 45.43  | +30    | 09  | 36.1  |       | 17.28 | oVEW034T05 |

|       |        |    |             |    |       |       |     |      |       |            |            |
|-------|--------|----|-------------|----|-------|-------|-----|------|-------|------------|------------|
| p8678 | C2021  | 11 | 21.22916518 | 59 | 46.83 | +30   | 09  | 13.6 | 17.21 | oVEW034T05 |            |
| p8678 | C2021  | 11 | 21.24108818 | 59 | 49.68 | +30   | 08  | 28.2 | 17.29 | oVEW034T05 |            |
| r1914 | KC2021 | 11 | 21.40111    | 22 | 15    | 10.77 | -51 | 23   | 26.7  | 18.4       | GVEW034R66 |
| r1914 | KC2021 | 11 | 21.41097    | 22 | 15    | 09.02 | -51 | 21   | 42.3  | 18.1       | GVEW034R66 |
| r1914 | KC2021 | 11 | 21.42015    | 22 | 15    | 07.37 | -51 | 20   | 04.7  | 17.7       | GVEW034R66 |

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