

| ID    | LON    | LAT    | T <sub>n</sub> =30 |                |                | T <sub>n</sub> =50 |                |                | T <sub>n</sub> =72 |                |                | T <sub>n</sub> =101 |                |                | T <sub>n</sub> =140 |                |                | T <sub>n</sub> =201 |                |                | T <sub>n</sub> =475 |                |                | T <sub>n</sub> =975 |                |                | T <sub>n</sub> =2475 |                |                |
|-------|--------|--------|--------------------|----------------|----------------|--------------------|----------------|----------------|--------------------|----------------|----------------|---------------------|----------------|----------------|---------------------|----------------|----------------|---------------------|----------------|----------------|---------------------|----------------|----------------|---------------------|----------------|----------------|----------------------|----------------|----------------|
|       |        |        | Δ <sub>g</sub>     | F <sub>o</sub> | T <sub>c</sub> | Δ <sub>g</sub>     | F <sub>o</sub> | T <sub>c</sub> | Δ <sub>g</sub>     | F <sub>o</sub> | T <sub>c</sub> | Δ <sub>g</sub>      | F <sub>o</sub> | T <sub>c</sub> | Δ <sub>g</sub>      | F <sub>o</sub> | T <sub>c</sub> | Δ <sub>g</sub>      | F <sub>o</sub> | T <sub>c</sub> | Δ <sub>g</sub>      | F <sub>o</sub> | T <sub>c</sub> | Δ <sub>g</sub>      | F <sub>o</sub> | T <sub>c</sub> | Δ <sub>g</sub>       | F <sub>o</sub> | T <sub>c</sub> |
| 41457 | 16.956 | 38.93  | 0.468              | 2.34           | 0.28           | 0.611              | 2.36           | 0.31           | 0.742              | 2.35           | 0.32           | 0.881               | 2.37           | 0.33           | 1.037               | 2.37           | 0.34           | 1.236               | 2.36           | 0.35           | 1.819               | 2.37           | 0.36           | 2.411               | 2.43           | 0.38           | 3.390                | 2.49           | 0.40           |
| 41235 | 16.959 | 38.98  | 0.485              | 2.33           | 0.28           | 0.636              | 2.34           | 0.31           | 0.768              | 2.35           | 0.32           | 0.915               | 2.36           | 0.33           | 1.079               | 2.36           | 0.34           | 1.288               | 2.35           | 0.35           | 1.878               | 2.38           | 0.36           | 2.486               | 2.44           | 0.38           | 3.460                | 2.50           | 0.40           |
| 41013 | 16.962 | 39.03  | 0.494              | 2.33           | 0.28           | 0.648              | 2.33           | 0.31           | 0.781              | 2.35           | 0.32           | 0.934               | 2.35           | 0.33           | 1.098               | 2.36           | 0.34           | 1.308               | 2.35           | 0.35           | 1.904               | 2.38           | 0.36           | 2.514               | 2.44           | 0.38           | 3.482                | 2.51           | 0.40           |
| 40791 | 16.964 | 39.08  | 0.500              | 2.33           | 0.28           | 0.656              | 2.33           | 0.31           | 0.788              | 2.36           | 0.32           | 0.943               | 2.35           | 0.33           | 1.108               | 2.36           | 0.34           | 1.319               | 2.35           | 0.35           | 1.915               | 2.38           | 0.36           | 2.523               | 2.45           | 0.38           | 3.486                | 2.50           | 0.41           |
| 40569 | 16.967 | 39.13  | 0.503              | 2.33           | 0.28           | 0.660              | 2.33           | 0.31           | 0.794              | 2.36           | 0.32           | 0.948               | 2.35           | 0.33           | 1.114               | 2.36           | 0.34           | 1.325               | 2.35           | 0.35           | 1.926               | 2.38           | 0.37           | 2.526               | 2.45           | 0.38           | 3.485                | 2.50           | 0.42           |
| 35019 | 16.968 | 40.381 | 0.508              | 2.41           | 0.27           | 0.384              | 2.45           | 0.31           | 0.449              | 2.46           | 0.33           | 0.514               | 2.49           | 0.35           | 0.577               | 2.53           | 0.36           | 0.658               | 2.57           | 0.37           | 0.856               | 2.62           | 0.41           | 1.051               | 2.67           | 0.43           | 1.338                | 2.70           | 0.45           |
| 40347 | 16.97  | 39.18  | 0.504              | 2.33           | 0.28           | 0.661              | 2.33           | 0.31           | 0.795              | 2.36           | 0.32           | 0.949               | 2.35           | 0.33           | 1.115               | 2.36           | 0.34           | 1.325               | 2.35           | 0.35           | 1.918               | 2.38           | 0.37           | 2.522               | 2.45           | 0.38           | 3.490                | 2.50           | 0.42           |
| 34796 | 16.971 | 40.431 | 0.318              | 2.40           | 0.27           | 0.400              | 2.46           | 0.31           | 0.479              | 2.44           | 0.33           | 0.553               | 2.52           | 0.34           | 0.630               | 2.59           | 0.34           | 0.727               | 2.59           | 0.35           | 1.023               | 2.54           | 0.37           | 1.294               | 2.59           | 0.37           | 1.672                | 2.70           | 0.37           |
| 40125 | 16.972 | 39.23  | 0.502              | 2.33           | 0.28           | 0.659              | 2.33           | 0.31           | 0.793              | 2.36           | 0.32           | 0.947               | 2.35           | 0.33           | 1.112               | 2.36           | 0.34           | 1.322               | 2.35           | 0.35           | 1.913               | 2.38           | 0.37           | 2.514               | 2.45           | 0.38           | 3.473                | 2.50           | 0.42           |
| 34574 | 16.974 | 40.481 | 0.330              | 2.39           | 0.28           | 0.430              | 2.42           | 0.31           | 0.523              | 2.49           | 0.32           | 0.613               | 2.56           | 0.33           | 0.721               | 2.55           | 0.32           | 0.866               | 2.52           | 0.33           | 1.254               | 2.52           | 0.33           | 1.670               | 2.49           | 0.33           | 2.258                | 2.53           | 0.33           |
| 39903 | 16.975 | 39.28  | 0.500              | 2.33           | 0.28           | 0.656              | 2.33           | 0.31           | 0.790              | 2.36           | 0.32           | 0.944               | 2.35           | 0.33           | 1.108               | 2.36           | 0.34           | 1.317               | 2.35           | 0.35           | 1.906               | 2.39           | 0.37           | 2.505               | 2.45           | 0.38           | 3.465                | 2.50           | 0.41           |
| 34952 | 16.976 | 40.531 | 0.340              | 2.39           | 0.28           | 0.458              | 2.41           | 0.31           | 0.565              | 2.54           | 0.29           | 0.685               | 2.52           | 0.30           | 0.813               | 2.51           | 0.31           | 0.984               | 2.49           | 0.31           | 1.468               | 2.50           | 0.29           | 1.946               | 2.48           | 0.30           | 2.660                | 2.46           | 0.32           |
| 39681 | 16.978 | 39.33  | 0.496              | 2.33           | 0.28           | 0.651              | 2.33           | 0.31           | 0.784              | 2.36           | 0.32           | 0.938               | 2.35           | 0.33           | 1.101               | 2.36           | 0.34           | 1.310               | 2.35           | 0.35           | 1.896               | 2.39           | 0.37           | 2.494               | 2.45           | 0.38           | 3.456                | 2.50           | 0.41           |
| 34130 | 16.979 | 40.581 | 0.340              | 2.39           | 0.28           | 0.463              | 2.42           | 0.30           | 0.574              | 2.55           | 0.29           | 0.701               | 2.51           | 0.29           | 0.841               | 2.51           | 0.29           | 1.011               | 2.51           | 0.29           | 1.513               | 2.49           | 0.29           | 1.996               | 2.49           | 0.30           | 2.722                | 2.46           | 0.32           |
| 39459 | 16.98  | 39.38  | 0.491              | 2.33           | 0.28           | 0.644              | 2.34           | 0.31           | 0.777              | 2.36           | 0.32           | 0.929               | 2.35           | 0.33           | 1.092               | 2.36           | 0.34           | 1.299               | 2.35           | 0.35           | 1.882               | 2.39           | 0.36           | 2.480               | 2.45           | 0.38           | 3.445                | 2.51           | 0.40           |
| 33908 | 16.982 | 40.631 | 0.333              | 2.39           | 0.27           | 0.445              | 2.42           | 0.30           | 0.548              | 2.54           | 0.29           | 0.659               | 2.53           | 0.31           | 0.789               | 2.51           | 0.31           | 0.951               | 2.49           | 0.32           | 1.411               | 2.47           | 0.31           | 1.878               | 2.49           | 0.30           | 2.578                | 2.46           | 0.32           |
| 39237 | 16.983 | 39.43  | 0.483              | 2.33           | 0.28           | 0.634              | 2.34           | 0.31           | 0.767              | 2.35           | 0.32           | 0.915               | 2.36           | 0.33           | 1.078               | 2.36           | 0.34           | 1.284               | 2.35           | 0.35           | 1.865               | 2.39           | 0.36           | 2.462               | 2.45           | 0.38           | 3.433                | 2.50           | 0.40           |
| 33685 | 16.984 | 40.681 | 0.316              | 2.40           | 0.27           | 0.407              | 2.43           | 0.30           | 0.497              | 2.48           | 0.31           | 0.581               | 2.56           | 0.32           | 0.677               | 2.56           | 0.33           | 0.807               | 2.53           | 0.33           | 1.153               | 2.54           | 0.33           | 1.513               | 2.53           | 0.34           | 2.035                | 2.57           | 0.34           |
| 39015 | 16.985 | 39.48  | 0.472              | 2.33           | 0.28           | 0.620              | 2.35           | 0.31           | 0.759              | 2.35           | 0.32           | 0.897               | 2.36           | 0.33           | 1.059               | 2.36           | 0.34           | 1.264               | 2.35           | 0.35           | 1.842               | 2.38           | 0.36           | 2.439               | 2.45           | 0.38           | 3.417                | 2.50           | 0.40           |
| 33464 | 16.987 | 40.731 | 0.298              | 2.42           | 0.25           | 0.381              | 2.45           | 0.29           | 0.451              | 2.45           | 0.32           | 0.523               | 2.50           | 0.34           | 0.592               | 2.58           | 0.34           | 0.683               | 2.58           | 0.35           | 0.950               | 2.57           | 0.37           | 1.172               | 2.66           | 0.37           | 1.503                | 2.73           | 0.41           |
| 38793 | 16.988 | 39.53  | 0.458              | 2.34           | 0.28           | 0.602              | 2.36           | 0.31           | 0.735              | 2.35           | 0.32           | 0.872               | 2.37           | 0.33           | 1.029               | 2.37           | 0.34           | 1.232               | 2.36           | 0.34           | 1.808               | 2.38           | 0.36           | 2.403               | 2.44           | 0.37           | 3.388                | 2.49           | 0.39           |
| 33242 | 16.99  | 40.781 | 0.284              | 2.44           | 0.24           | 0.360              | 2.45           | 0.29           | 0.417              | 2.48           | 0.32           | 0.482               | 2.49           | 0.34           | 0.544               | 2.62           | 0.35           | 0.615               | 2.58           | 0.36           | 0.806               | 2.63           | 0.41           | 0.990               | 2.71           | 0.43           | 1.255                | 2.82           | 0.45           |
| 38571 | 16.991 | 39.58  | 0.438              | 2.35           | 0.28           | 0.580              | 2.35           | 0.31           | 0.706              | 2.36           | 0.33           | 0.836               | 2.38           | 0.33           | 0.983               | 2.38           | 0.34           | 1.178               | 2.38           | 0.35           | 1.750               | 2.38           | 0.36           | 2.334               | 2.44           | 0.37           | 3.313                | 2.48           | 0.39           |
| 32020 | 16.993 | 40.831 | 0.272              | 2.41           | 0.23           | 0.344              | 2.45           | 0.28           | 0.395              | 2.48           | 0.32           | 0.454               | 2.48           | 0.34           | 0.509               | 2.53           | 0.36           | 0.565               | 2.62           | 0.37           | 0.751               | 2.59           | 0.43           | 0.913               | 2.66           | 0.51           | 1.161                | 2.78           | 0.53           |
| 32798 | 16.995 | 40.881 | 0.262              | 2.39           | 0.22           | 0.331              | 2.44           | 0.28           | 0.380              | 2.46           | 0.32           | 0.433               | 2.48           | 0.34           | 0.480               | 2.54           | 0.36           | 0.532               | 2.59           | 0.41           | 0.690               | 2.62           | 0.50           | 0.871               | 2.65           | 0.53           | 1.097                | 2.80           | 0.54           |
| 32576 | 16.998 | 40.931 | 0.252              | 2.38           | 0.22           | 0.319              | 2.42           | 0.28           | 0.366              | 2.45           | 0.32           | 0.412               | 2.50           | 0.35           | 0.459               | 2.54           | 0.37           | 0.510               | 2.58           | 0.41           | 0.649               | 2.68           | 0.52           | 0.838               | 2.66           | 0.54           | 1.057                | 2.83           | 0.55           |
| 32954 | 17.001 | 40.981 | 0.244              | 2.38           | 0.22           | 0.309              | 2.40           | 0.28           | 0.355              | 2.43           | 0.32           | 0.397               | 2.51           | 0.34           | 0.443               | 2.54           | 0.37           | 0.494               | 2.57           | 0.42           | 0.623               | 2.71           | 0.53           | 0.815               | 2.67           | 0.55           | 1.036                | 2.84           | 0.56           |
| 32132 | 17.003 | 41.031 | 0.237              | 2.38           | 0.22           | 0.301              | 2.39           | 0.28           | 0.345              | 2.42           | 0.32           | 0.385               | 2.50           | 0.34           | 0.429               | 2.54           | 0.37           | 0.481               | 2.55           | 0.42           | 0.607               | 2.71           | 0.53           | 0.798               | 2.68           | 0.55           | 1.020                | 2.84           | 0.57           |
| 31910 | 17.006 | 41.081 | 0.231              | 2.38           | 0.21           | 0.292              | 2.38           | 0.27           | 0.334              | 2.42           | 0.32           | 0.374               | 2.50           | 0.34           | 0.416               | 2.55           | 0.37           | 0.470               | 2.54           | 0.43           | 0.597               | 2.70           | 0.54           | 0.786               | 2.68           | 0.55           | 1.010                | 2.82           | 0.57           |
| 31688 | 17.009 | 41.13  | 0.224              | 2.39           | 0.21           | 0.285              | 2.37           | 0.27           | 0.328              | 2.40           | 0.31           | 0.367               | 2.49           | 0.34           | 0.407               | 2.54           | 0.37           | 0.462               | 2.53           | 0.43           | 0.591               | 2.67           | 0.54           | 0.774               | 2.67           | 0.55           | 1.000                | 2.81           | 0.57           |
| 31466 | 17.012 | 41.18  | 0.218              | 2.41           | 0.20           | 0.278              | 2.38           | 0.27           | 0.321              | 2.39           | 0.31           | 0.361               | 2.48           | 0.34           | 0.400               | 2.55           | 0.37           | 0.454               | 2.51           | 0.43           | 0.585               | 2.65           | 0.54           | 0.763               | 2.67           | 0.55           | 0.989                | 2.80           | 0.57           |
| 41902 | 17.015 | 38.828 | 0.388              | 2.41           | 0.27           | 0.509              | 2.35           | 0.31           | 0.598              | 2.42           | 0.32           | 0.706               | 2.41           | 0.34           | 0.813               | 2.43           | 0.35           | 0.951               | 2.44           | 0.36           | 1.351               | 2.43           | 0.41           | 1.788               | 2.44           | 0.42           | 2.437                | 2.53           | 0.43           |
| 41680 | 17.018 | 38.878 | 0.409              | 2.39           | 0.28           | 0.541              | 2.36           | 0.31           | 0.648              | 2.39           | 0.32           | 0.764               | 2.40           | 0.34           | 0.895               | 2.40           | 0.35           | 1.058               | 2.40           | 0.36           | 1.548               | 2.40           | 0.37           | 2.064               | 2.43           | 0.38           | 2.895                | 2.50           | 0.40           |
| 41458 | 17.021 | 38.928 | 0.434              | 2.36           | 0.28           | 0.572              | 2.35           | 0.31           | 0.693              | 2.36           | 0.32           | 0.817               | 2.39           | 0.33           | 0.964               | 2.39           | 0.34           | 1.150               | 2.38           | 0.35           | 1.704               | 2.37           | 0.36           | 2.266               | 2.43           | 0.38           | 3.210                | 2.49           | 0.39           |
| 41236 | 17.023 | 38.978 | 0.452              | 2.34           | 0.28           | 0.593              | 2.35           | 0.31           | 0.722              | 2.35           | 0.32           | 0.854               | 2.38           | 0.33           | 1.005               | 2.38           | 0.34           | 1.200               | 2.37           | 0.35           | 1.772               | 2.38           | 0.36           | 2.358               | 2.44           | 0.38           | 3.335                | 2.49           | 0.39           |
| 40792 | 17.029 | 39.078 | 0.469              | 2.34           | 0.28           | 0.614              | 2.35           | 0.31           | 0.748              | 2.35           | 0.32           | 0.875               | 2.37           | 0.33           | 1.031               | 2.37           | 0.34           | 1.231               | 2.36           | 0.35           | 1.802               | 2.38           | 0.36           | 2.394               | 2.44           | 0.38           | 3.374                | 2.49           | 0.39           |
| 40570 | 17.031 | 39.128 | 0.471              | 2.34           | 0.28           | 0.617              | 2.35           | 0.31           | 0.749              | 2.35           | 0.32           | 0.892               | 2.36           | 0.33           | 1.047               | 2.37           | 0.34           | 1.244               | 2.36           | 0.35           | 1.816               | 2.39           | 0.36           | 2.406               | 2.45           | 0.38           | 3.381                | 2.49           | 0.39           |
| 40348 | 17.034 | 39.178 | 0.472              | 2.34           | 0.28           | 0.617              | 2.35           | 0.31           | 0.749              | 2.35           | 0.32           | 0.893               | 2.36           | 0.33           | 1.047               | 2.37           | 0.34           | 1.247               | 2.36           | 0.35           | 1.813               | 2.39           | 0.36           | 2.396               | 2.45           | 0.38           | 3.360                | 2.50           | 0.40           |
| 34797 | 17.037 | 40.429 | 0.305              | 2.40           | 0.26           | 0.387              | 2.44           | 0.30           | 0.460              | 2.44           | 0.33           | 0.534               | 2.48           | 0.34           | 0.606               | 2.56           | 0.34           | 0.702               | 2.58           | 0.35           | 0.960               | 2.56           | 0.37           | 1.263               | 2.57           | 0.37           | 1.646                | 2.67           | 0.37           |
| 40126 | 17.037 | 39.228 | 0.469              | 2.34           | 0.28           | 0.614              | 2.36           | 0.31           | 0.746              | 2.36           | 0.32           | 0.889               | 2.36           | 0.33           | 1.043               | 2.37           | 0.34           | 1.242               | 2.36           | 0.35           | 1.804               | 2.39           | 0.36           | 2.384               | 2.45           | 0.38           | 3.344                | 2.50           | 0.40           |
| 39904 | 17.039 | 39.278 | 0.466              | 2.35           | 0.28           | 0.610              | 2.36           | 0.31           | 0.741              | 2.36           | 0.32           | 0.883               | 2.37           | 0.33           | 1.037               | 2.37           | 0.34           | 1.234               | 2.36           | 0.35           | 1.793               | 2.39           | 0.36           | 2.370               | 2.45           | 0.38           |                      |                |                |

| ID    | LON    | LAT    | T <sub>n</sub> =30 |                |                |                | T <sub>n</sub> =50 |                |                |                | T <sub>n</sub> =72 |                |                |                | T <sub>n</sub> =101 |                |                |                | T <sub>n</sub> =140 |                |                |                | T <sub>n</sub> =201 |                |                |                | T <sub>n</sub> =475 |                |                |                | T <sub>n</sub> =975 |                |                |                | T <sub>n</sub> =2475 |  |  |  |
|-------|--------|--------|--------------------|----------------|----------------|----------------|--------------------|----------------|----------------|----------------|--------------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|----------------------|--|--|--|
|       |        |        | a <sub>q</sub>     | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> | a <sub>q</sub>     | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> | a <sub>q</sub>     | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> |                      |  |  |  |
| 38794 | 17.053 | 39.528 | 0.422              | 2.38           | 0.28           | 0.562          | 2.36               | 0.31           | 0.679          | 2.37           | 0.33               | 0.802          | 2.40           | 0.33           | 0.949               | 2.39           | 0.34           | 1.135          | 2.38                | 0.35           | 1.677          | 2.38           | 0.36                | 2.233          | 2.44           | 0.37           | 3.168               | 2.49           | 0.39           | 4.470          | 2.71                | 0.40           |                |                |                      |  |  |  |
| 38465 | 17.053 | 40.729 | 0.286              | 2.42           | 0.24           | 0.368          | 2.43               | 0.29           | 0.434          | 2.44           | 0.32               | 0.505          | 2.46           | 0.33           | 0.574               | 2.54           | 0.34           | 0.660          | 2.56                | 0.35           | 0.913          | 2.55           | 0.37                | 1.141          | 2.64           | 0.37           | 1.470               | 2.71           | 0.40           |                |                     |                |                |                |                      |  |  |  |
| 33243 | 17.056 | 40.779 | 0.273              | 2.42           | 0.23           | 0.349          | 2.44               | 0.29           | 0.403          | 2.47           | 0.32               | 0.467          | 2.47           | 0.34           | 0.528               | 2.50           | 0.35           | 0.597          | 2.56                | 0.36           | 0.786          | 2.59           | 0.41                | 0.965          | 2.68           | 0.43           | 1.225               | 2.79           | 0.44           |                |                     |                |                |                |                      |  |  |  |
| 33021 | 17.059 | 40.829 | 0.262              | 2.40           | 0.23           | 0.334          | 2.43               | 0.28           | 0.384          | 2.46           | 0.32               | 0.440          | 2.48           | 0.34           | 0.494               | 2.51           | 0.36           | 0.549          | 2.61                | 0.37           | 0.701          | 2.69           | 0.43                | 0.890          | 2.60           | 0.50           | 1.117               | 2.77           | 0.52           |                |                     |                |                |                |                      |  |  |  |
| 32799 | 17.061 | 40.879 | 0.252              | 2.38           | 0.22           | 0.321          | 2.42               | 0.28           | 0.369          | 2.44           | 0.32               | 0.419          | 2.48           | 0.34           | 0.465               | 2.53           | 0.36           | 0.516          | 2.57                | 0.40           | 0.641          | 2.77           | 0.44                | 0.831          | 2.64           | 0.52           | 1.063               | 2.76           | 0.54           |                |                     |                |                |                |                      |  |  |  |
| 32577 | 17.064 | 40.929 | 0.242              | 2.38           | 0.22           | 0.308          | 2.40               | 0.28           | 0.355          | 2.44           | 0.32               | 0.399          | 2.49           | 0.34           | 0.445               | 2.53           | 0.37           | 0.494          | 2.56                | 0.41           | 0.614          | 2.71           | 0.51                | 0.779          | 2.60           | 0.54           | 1.022               | 2.77           | 0.55           |                |                     |                |                |                |                      |  |  |  |
| 32555 | 17.07  | 40.979 | 0.234              | 2.38           | 0.21           | 0.299          | 2.38               | 0.28           | 0.344          | 2.41           | 0.32               | 0.385          | 2.48           | 0.34           | 0.428               | 2.54           | 0.37           | 0.478          | 2.55                | 0.42           | 0.585          | 2.70           | 0.52                | 0.753          | 2.73           | 0.55           | 0.997               | 2.78           | 0.56           |                |                     |                |                |                |                      |  |  |  |
| 32133 | 17.072 | 41.029 | 0.227              | 2.39           | 0.21           | 0.290          | 2.36               | 0.28           | 0.333          | 2.40           | 0.32               | 0.373          | 2.48           | 0.34           | 0.414               | 2.54           | 0.37           | 0.465          | 2.53                | 0.42           | 0.568          | 2.68           | 0.53                | 0.739          | 2.72           | 0.55           | 0.980               | 2.80           | 0.56           |                |                     |                |                |                |                      |  |  |  |
| 31911 | 17.072 | 41.078 | 0.220              | 2.38           | 0.21           | 0.281          | 2.37               | 0.27           | 0.323          | 2.39           | 0.31               | 0.362          | 2.48           | 0.34           | 0.401               | 2.55           | 0.37           | 0.453          | 2.53                | 0.42           | 0.575          | 2.66           | 0.53                | 0.728          | 2.71           | 0.56           | 0.965               | 2.80           | 0.56           |                |                     |                |                |                |                      |  |  |  |
| 31689 | 17.075 | 41.128 | 0.213              | 2.40           | 0.20           | 0.273          | 2.37               | 0.27           | 0.315          | 2.38           | 0.31               | 0.355          | 2.47           | 0.34           | 0.393               | 2.54           | 0.37           | 0.444          | 2.52                | 0.42           | 0.568          | 2.68           | 0.54                | 0.716          | 2.70           | 0.56           | 0.951               | 2.79           | 0.57           |                |                     |                |                |                |                      |  |  |  |
| 41903 | 17.079 | 38.826 | 0.366              | 2.38           | 0.26           | 0.474          | 2.36               | 0.31           | 0.558          | 2.41           | 0.33               | 0.648          | 2.43           | 0.34           | 0.747               | 2.44           | 0.36           | 0.865          | 2.47                | 0.37           | 1.205          | 2.48           | 0.41                | 1.582          | 2.48           | 0.43           | 2.133               | 2.56           | 0.44           |                |                     |                |                |                |                      |  |  |  |
| 41681 | 17.082 | 38.876 | 0.381              | 2.40           | 0.27           | 0.500          | 2.35               | 0.32           | 0.590          | 2.42           | 0.33               | 0.698          | 2.41           | 0.34           | 0.806               | 2.43           | 0.35           | 0.952          | 2.42                | 0.36           | 1.371          | 2.44           | 0.38                | 1.890          | 2.41           | 0.41           | 2.545               | 2.49           | 0.42           |                |                     |                |                |                |                      |  |  |  |
| 41459 | 17.085 | 38.926 | 0.396              | 2.40           | 0.28           | 0.528          | 2.35               | 0.31           | 0.628          | 2.40           | 0.32               | 0.746          | 2.40           | 0.34           | 0.875               | 2.40           | 0.35           | 1.038          | 2.40                | 0.35           | 1.624          | 2.38           | 0.37                | 2.063          | 2.43           | 0.38           | 2.917               | 2.49           | 0.39           |                |                     |                |                |                |                      |  |  |  |
| 41237 | 17.087 | 38.976 | 0.412              | 2.38           | 0.28           | 0.549          | 2.35               | 0.31           | 0.660          | 2.37           | 0.32               | 0.780          | 2.39           | 0.33           | 0.920               | 2.39           | 0.34           | 1.096          | 2.39                | 0.35           | 1.624          | 2.38           | 0.36                | 2.166          | 2.43           | 0.37           | 3.084               | 2.49           | 0.39           |                |                     |                |                |                |                      |  |  |  |
| 41015 | 17.09  | 39.026 | 0.424              | 2.37           | 0.28           | 0.562          | 2.35               | 0.31           | 0.678          | 2.36           | 0.32               | 0.798          | 2.40           | 0.33           | 0.945               | 2.39           | 0.34           | 1.127          | 2.38                | 0.35           | 1.661          | 2.38           | 0.36                | 2.208          | 2.44           | 0.37           | 3.136               | 2.49           | 0.39           |                |                     |                |                |                |                      |  |  |  |
| 40793 | 17.093 | 39.076 | 0.429              | 2.36           | 0.28           | 0.567          | 2.36               | 0.31           | 0.685          | 2.37           | 0.32               | 0.809          | 2.39           | 0.33           | 0.956               | 2.38           | 0.34           | 1.139          | 2.37                | 0.35           | 1.669          | 2.39           | 0.36                | 2.214          | 2.44           | 0.38           | 3.132               | 2.50           | 0.39           |                |                     |                |                |                |                      |  |  |  |
| 40571 | 17.096 | 39.126 | 0.431              | 2.37           | 0.28           | 0.568          | 2.36               | 0.31           | 0.686          | 2.37           | 0.32               | 0.812          | 2.39           | 0.33           | 0.958               | 2.38           | 0.34           | 1.139          | 2.37                | 0.35           | 1.664          | 2.39           | 0.36                | 2.202          | 2.45           | 0.38           | 3.107               | 2.50           | 0.39           |                |                     |                |                |                |                      |  |  |  |
| 40349 | 17.098 | 39.176 | 0.431              | 2.37           | 0.28           | 0.568          | 2.37               | 0.31           | 0.685          | 2.37           | 0.32               | 0.811          | 2.39           | 0.33           | 0.956               | 2.38           | 0.34           | 1.136          | 2.37                | 0.35           | 1.654          | 2.39           | 0.37                | 2.185          | 2.45           | 0.38           | 3.074               | 2.50           | 0.39           |                |                     |                |                |                |                      |  |  |  |
| 35020 | 17.099 | 40.377 | 0.285              | 2.41           | 0.25           | 0.399          | 2.43               | 0.30           | 0.486          | 2.48           | 0.33               | 0.480          | 2.47           | 0.35           | 0.541               | 2.51           | 0.36           | 0.608          | 2.57                | 0.37           | 0.793          | 2.64           | 0.41                | 0.964          | 2.73           | 0.43           | 1.261               | 2.76           | 0.44           |                |                     |                |                |                |                      |  |  |  |
| 40127 | 17.101 | 39.226 | 0.429              | 2.38           | 0.28           | 0.564          | 2.37               | 0.31           | 0.681          | 2.38           | 0.32               | 0.805          | 2.40           | 0.33           | 0.950               | 2.38           | 0.34           | 1.127          | 2.37                | 0.35           | 1.638          | 2.40           | 0.37                | 2.162          | 2.45           | 0.38           | 3.037               | 2.50           | 0.39           |                |                     |                |                |                |                      |  |  |  |
| 34798 | 17.102 | 39.276 | 0.429              | 2.38           | 0.28           | 0.564          | 2.37               | 0.31           | 0.681          | 2.38           | 0.32               | 0.805          | 2.40           | 0.33           | 0.950               | 2.38           | 0.34           | 1.127          | 2.37                | 0.35           | 1.638          | 2.40           | 0.37                | 2.162          | 2.45           | 0.38           | 3.037               | 2.50           | 0.39           |                |                     |                |                |                |                      |  |  |  |
| 39805 | 17.104 | 39.276 | 0.425              | 2.38           | 0.28           | 0.560          | 2.37               | 0.31           | 0.675          | 2.38           | 0.32               | 0.798          | 2.40           | 0.33           | 0.941               | 2.38           | 0.34           | 1.116          | 2.37                | 0.35           | 1.620          | 2.40           | 0.37                | 2.137          | 2.45           | 0.38           | 2.996               | 2.51           | 0.39           |                |                     |                |                |                |                      |  |  |  |
| 34576 | 17.105 | 40.477 | 0.299              | 2.39           | 0.25           | 0.386          | 2.43               | 0.30           | 0.469          | 2.41           | 0.33               | 0.552          | 2.48           | 0.33           | 0.642               | 2.56           | 0.34           | 0.759          | 2.56                | 0.33           | 1.124          | 2.52           | 0.33                | 1.514          | 2.50           | 0.33           | 2.104               | 2.52           | 0.33           |                |                     |                |                |                |                      |  |  |  |
| 39883 | 17.107 | 39.326 | 0.421              | 2.39           | 0.29           | 0.555          | 2.37               | 0.31           | 0.667          | 2.39           | 0.32               | 0.789          | 2.40           | 0.33           | 0.930               | 2.39           | 0.34           | 1.103          | 2.38                | 0.35           | 1.598          | 2.40           | 0.37                | 2.109          | 2.45           | 0.38           | 2.955               | 2.51           | 0.39           |                |                     |                |                |                |                      |  |  |  |
| 34354 | 17.109 | 39.376 | 0.414              | 2.40           | 0.28           | 0.547          | 2.37               | 0.30           | 0.656          | 2.39           | 0.32               | 0.770          | 2.40           | 0.33           | 0.907               | 2.39           | 0.34           | 1.085          | 2.38                | 0.35           | 1.574          | 2.40           | 0.37                | 2.075          | 2.45           | 0.38           | 2.908               | 2.51           | 0.39           |                |                     |                |                |                |                      |  |  |  |
| 34132 | 17.111 | 40.577 | 0.304              | 2.38           | 0.26           | 0.399          | 2.43               | 0.30           | 0.502          | 2.40           | 0.32               | 0.598          | 2.55           | 0.30           | 0.723               | 2.52           | 0.30           | 0.877          | 2.50                | 0.31           | 1.348          | 2.47           | 0.31                | 1.839          | 2.47           | 0.29           | 2.578               | 2.42           | 0.32           |                |                     |                |                |                |                      |  |  |  |
| 89289 | 17.112 | 39.426 | 0.405              | 2.41           | 0.28           | 0.588          | 2.37               | 0.31           | 0.642          | 2.40           | 0.33               | 0.763          | 2.40           | 0.34           | 0.896               | 2.40           | 0.34           | 1.062          | 2.39                | 0.35           | 1.546          | 2.40           | 0.37                | 2.037          | 2.45           | 0.38           | 2.855               | 2.51           | 0.39           |                |                     |                |                |                |                      |  |  |  |
| 33910 | 17.113 | 40.627 | 0.297              | 2.39           | 0.25           | 0.389          | 2.42               | 0.30           | 0.481          | 2.40           | 0.32               | 0.572          | 2.52           | 0.32           | 0.680               | 2.51           | 0.32           | 0.813          | 2.54                | 0.32           | 1.242          | 2.50           | 0.32                | 1.708          | 2.44           | 0.31           | 2.403               | 2.43           | 0.32           |                |                     |                |                |                |                      |  |  |  |
| 39017 | 17.115 | 39.476 | 0.396              | 2.41           | 0.27           | 0.527          | 2.37               | 0.32           | 0.626          | 2.42           | 0.33               | 0.745          | 2.41           | 0.34           | 0.873               | 2.41           | 0.35           | 1.035          | 2.40                | 0.35           | 1.513          | 2.40           | 0.37                | 1.993          | 2.45           | 0.38           | 2.796               | 2.51           | 0.39           |                |                     |                |                |                |                      |  |  |  |
| 33688 | 17.116 | 40.677 | 0.285              | 2.41           | 0.24           | 0.371          | 2.42               | 0.30           | 0.445          | 2.41           | 0.32               | 0.525          | 2.46           | 0.33           | 0.603               | 2.55           | 0.33           | 0.712          | 2.54                | 0.33           | 1.029          | 2.54           | 0.34                | 1.361          | 2.54           | 0.34           | 1.877               | 2.55           | 0.34           |                |                     |                |                |                |                      |  |  |  |
| 38795 | 17.118 | 39.526 | 0.387              | 2.41           | 0.28           | 0.511          | 2.36               | 0.32           | 0.604          | 2.44           | 0.33               | 0.721          | 2.41           | 0.34           | 0.843               | 2.42           | 0.35           | 0.997          | 2.42                | 0.36           | 1.467          | 2.40           | 0.37                | 1.936          | 2.45           | 0.38           | 2.720               | 2.51           | 0.39           |                |                     |                |                |                |                      |  |  |  |
| 33465 | 17.119 | 40.727 | 0.272              | 2.41           | 0.23           | 0.353          | 2.42               | 0.29           | 0.412          | 2.45           | 0.32               | 0.482          | 2.42           | 0.33           | 0.549               | 2.48           | 0.34           | 0.629          | 2.55                | 0.35           | 0.849          | 2.60           | 0.36                | 1.080          | 2.64           | 0.37           | 1.401               | 2.75           | 0.38           |                |                     |                |                |                |                      |  |  |  |
| 33244 | 17.122 | 40.777 | 0.260              | 2.40           | 0.23           | 0.336          | 2.42               | 0.28           | 0.388          | 2.46           | 0.31               | 0.448          | 2.46           | 0.34           | 0.509               | 2.48           | 0.35           | 0.572          | 2.54                | 0.36           | 0.749          | 2.59           | 0.41                | 0.915          | 2.69           | 0.42           | 1.182               | 2.74           | 0.44           |                |                     |                |                |                |                      |  |  |  |
| 33022 | 17.125 | 40.827 | 0.250              | 2.38           | 0.22           | 0.322          | 2.41               | 0.28           | 0.372          | 2.44           | 0.31               | 0.424          | 2.47           | 0.34           | 0.476               | 2.50           | 0.36           | 0.528          | 2.60                | 0.37           | 0.661          | 2.73           | 0.43                | 0.840          | 2.67           | 0.45           | 1.060               | 2.78           | 0.51           |                |                     |                |                |                |                      |  |  |  |
| 32800 | 17.127 | 40.877 | 0.241              | 2.38           | 0.22           | 0.309          | 2.39               | 0.28           | 0.357          | 2.41           | 0.32               | 0.403          | 2.47           | 0.34           | 0.449               | 2.52           | 0.36           | 0.499          | 2.61                | 0.38           | 0.618          | 2.76           | 0.44                | 0.756          | 2.76           | 0.52           | 1.017               | 2.72           | 0.53           |                |                     |                |                |                |                      |  |  |  |
| 32578 | 17.13  | 40.926 | 0.231              | 2.38           | 0.22           | 0.297          | 2.38               | 0.28           | 0.344          | 2.40           | 0.32               | 0.387          | 2.47           | 0.34           | 0.430               | 2.52           | 0.36           | 0.479          | 2.54                | 0.41           | 0.594          | 2.74           | 0.45                | 0.704          | 2.85           | 0.53           | 0.959               | 2.77           | 0.55           |                |                     |                |                |                |                      |  |  |  |
| 32356 | 17.133 | 40.976 | 0.224              | 2.39           | 0.21           | 0.288          | 2.36               | 0.28           | 0.333          | 2.38           | 0.31               | 0.374          | 2.46           | 0.34           | 0.414               | 2.52           | 0.36           | 0.463          | 2.53                | 0.41           | 0.578          | 2.67           | 0.51                | 0.686          | 2.84           | 0.54           | 0.927               | 2.79           | 0.56           |                |                     |                |                |                |                      |  |  |  |
| 32134 | 17.136 | 41.026 | 0.216              | 2.39           | 0.21           | 0.279          | 2.35               | 0.27           | 0.322          | 2.37           | 0.31               | 0.362          | 2.46           | 0.34           | 0.400               | 2.52           | 0.36           | 0.450          | 2.52                | 0.42           | 0.566          | 2.66           | 0.52                | 0.674          | 2.82           | 0.55           | 0.908               | 2.74           | 0.57           |                |                     |                |                |                |                      |  |  |  |
| 31912 | 17.139 | 41.076 | 0.210              | 2.39           | 0.20           | 0.270          | 2.36               | 0.27           | 0.312          | 2.37           | 0.31               | 0.351          | 2.45           | 0.34           | 0.389               | 2.52           | 0.36           | 0.437          | 2.52                | 0.42           | 0.556          | 2.64           | 0.52                | 0.665          | 2.79           | 0.55           | 0.908               | 2.74           | 0.57           |                |                     |                |                |                |                      |  |  |  |
| 81690 | 17.141 | 41.126 | 0.202              | 2.41           | 0.20           | 0.262          | 2.36               | 0.27           | 0.304          | 2.35           | 0.31               | 0.343          | 2.44           | 0.34           | 0.381               | 2.51           | 0.36           | 0.428          | 2.51                | 0.41           | 0.548          | 2.62           | 0.53                | 0.657          | 2.77           | 0.56           | 0.896               | 2.73           | 0.57           |                |                     |                |                |                |                      |  |  |  |
| 41904 | 17.143 | 38.824 | 0.344              | 2.36           | 0.26           | 0.439          |                    |                |                |                |                    |                |                |                |                     |                |                |                |                     |                |                |                |                     |                |                |                |                     |                |                |                |                     |                |                |                |                      |  |  |  |

| ID    | LON    | LAT    | T <sub>IR=30</sub> |                |                |                | T <sub>IR=50</sub> |                |                |                | T <sub>IR=72</sub> |                |                |                | T <sub>IR=101</sub> |                |                |                | T <sub>IR=140</sub> |                |                |                | T <sub>IR=201</sub> |                |                |                | T <sub>IR=475</sub> |                |                |                | T <sub>IR=975</sub> |                |                |                | T <sub>IR=2475</sub> |  |  |  |
|-------|--------|--------|--------------------|----------------|----------------|----------------|--------------------|----------------|----------------|----------------|--------------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|----------------------|--|--|--|
|       |        |        | a <sub>g</sub>     | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> | a <sub>g</sub>     | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> | a <sub>g</sub>     | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> | a <sub>g</sub>      | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> | a <sub>g</sub>      | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> | a <sub>g</sub>      | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> | a <sub>g</sub>      | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> | a <sub>g</sub>      | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> |                      |  |  |  |
| 34799 | 17.168 | 40.425 | 0.276              | 2.41           | 0.25           | 0.353          | 2.42               | 0.30           | 0.410          | 2.46           | 0.33               | 0.478          | 2.45           | 0.35           | 0.543               | 2.49           | 0.36           | 0.613          | 2.57                | 0.36           | 0.832          | 2.62           | 0.37                | 1.056          | 2.58           | 0.41           | 1.379               | 2.69           | 0.41           |                |                     |                |                |                |                      |  |  |  |
| 39906 | 17.168 | 39.274 | 0.386              | 2.41           | 0.27           | 0.508          | 2.36               | 0.32           | 0.599          | 2.43           | 0.33               | 0.711          | 2.41           | 0.34           | 0.822               | 2.42           | 0.35           | 0.961          | 2.43                | 0.36           | 1.372          | 2.44           | 0.38                | 1.790          | 2.45           | 0.41           | 2.443               | 2.54           | 0.43           |                |                     |                |                |                |                      |  |  |  |
| 34577 | 17.171 | 40.475 | 0.281              | 2.41           | 0.25           | 0.364          | 2.41               | 0.30           | 0.431          | 2.43           | 0.32               | 0.507          | 2.43           | 0.34           | 0.580               | 2.51           | 0.34           | 0.680          | 2.55                | 0.34           | 0.966          | 2.56           | 0.35                | 1.284          | 2.55           | 0.35           | 1.782               | 2.57           | 0.35           |                |                     |                |                |                |                      |  |  |  |
| 39684 | 17.171 | 39.324 | 0.383              | 2.41           | 0.27           | 0.502          | 2.37               | 0.32           | 0.593          | 2.43           | 0.33               | 0.702          | 2.41           | 0.34           | 0.810               | 2.43           | 0.35           | 0.948          | 2.43                | 0.36           | 1.348          | 2.46           | 0.38                | 1.757          | 2.46           | 0.42           | 2.990               | 2.55           | 0.43           |                |                     |                |                |                |                      |  |  |  |
| 34355 | 17.173 | 40.525 | 0.284              | 2.40           | 0.25           | 0.372          | 2.41               | 0.30           | 0.449          | 2.40           | 0.32               | 0.532          | 2.42           | 0.34           | 0.617               | 2.54           | 0.33           | 0.735          | 2.54                | 0.33           | 1.086          | 2.52           | 0.33                | 1.469          | 2.52           | 0.33           | 2.059               | 2.51           | 0.33           |                |                     |                |                |                |                      |  |  |  |
| 39462 | 17.174 | 39.374 | 0.378              | 2.41           | 0.27           | 0.495          | 2.37               | 0.32           | 0.585          | 2.43           | 0.33               | 0.690          | 2.42           | 0.34           | 0.796               | 2.44           | 0.35           | 0.932          | 2.44                | 0.36           | 1.322          | 2.46           | 0.38                | 1.722          | 2.46           | 0.42           | 2.938               | 2.55           | 0.43           |                |                     |                |                |                |                      |  |  |  |
| 34133 | 17.176 | 40.575 | 0.284              | 2.40           | 0.25           | 0.373          | 2.41               | 0.30           | 0.452          | 2.39           | 0.32               | 0.538          | 2.44           | 0.33           | 0.627               | 2.54           | 0.32           | 0.747          | 2.53                | 0.33           | 1.109          | 2.52           | 0.35                | 1.502          | 2.50           | 0.32           | 2.098               | 2.51           | 0.32           |                |                     |                |                |                |                      |  |  |  |
| 39240 | 17.177 | 39.424 | 0.373              | 2.40           | 0.27           | 0.486          | 2.37               | 0.32           | 0.575          | 2.43           | 0.33               | 0.676          | 2.42           | 0.34           | 0.788               | 2.44           | 0.35           | 0.914          | 2.45                | 0.36           | 1.292          | 2.47           | 0.38                | 1.683          | 2.47           | 0.42           | 2.284               | 2.56           | 0.43           |                |                     |                |                |                |                      |  |  |  |
| 33911 | 17.179 | 40.625 | 0.277              | 2.40           | 0.24           | 0.364          | 2.41               | 0.29           | 0.437          | 2.41           | 0.32               | 0.519          | 2.42           | 0.33           | 0.598               | 2.54           | 0.33           | 0.711          | 2.53                | 0.33           | 1.039          | 2.53           | 0.33                | 1.395          | 2.52           | 0.33           | 1.957               | 2.53           | 0.33           |                |                     |                |                |                |                      |  |  |  |
| 39018 | 17.179 | 39.474 | 0.368              | 2.40           | 0.27           | 0.476          | 2.38               | 0.32           | 0.564          | 2.43           | 0.33               | 0.660          | 2.43           | 0.34           | 0.764               | 2.44           | 0.36           | 0.894          | 2.45                | 0.36           | 1.261          | 2.47           | 0.38                | 1.645          | 2.47           | 0.42           | 2.232               | 2.56           | 0.43           |                |                     |                |                |                |                      |  |  |  |
| 33669 | 17.182 | 40.675 | 0.268              | 2.40           | 0.23           | 0.350          | 2.41               | 0.29           | 0.411          | 2.44           | 0.32               | 0.486          | 2.41           | 0.34           | 0.557               | 2.45           | 0.34           | 0.645          | 2.54                | 0.34           | 0.897          | 2.57           | 0.35                | 1.192          | 2.57           | 0.35           | 1.609               | 2.60           | 0.35           |                |                     |                |                |                |                      |  |  |  |
| 33467 | 17.185 | 40.725 | 0.257              | 2.39           | 0.23           | 0.335          | 2.41               | 0.28           | 0.390          | 2.44           | 0.31               | 0.453          | 2.44           | 0.33           | 0.517               | 2.45           | 0.35           | 0.585          | 2.52                | 0.36           | 0.777          | 2.62           | 0.37                | 0.978          | 2.64           | 0.38           | 1.272               | 2.69           | 0.41           |                |                     |                |                |                |                      |  |  |  |
| 33245 | 17.188 | 40.774 | 0.247              | 2.38           | 0.23           | 0.320          | 2.41               | 0.28           | 0.372          | 2.43           | 0.31               | 0.426          | 2.46           | 0.34           | 0.483               | 2.46           | 0.35           | 0.539          | 2.56                | 0.36           | 0.683          | 2.69           | 0.41                | 0.855          | 2.68           | 0.43           | 1.110               | 2.73           | 0.44           |                |                     |                |                |                |                      |  |  |  |
| 33023 | 17.191 | 40.824 | 0.238              | 2.38           | 0.22           | 0.308          | 2.39               | 0.28           | 0.357          | 2.41           | 0.31               | 0.405          | 2.46           | 0.34           | 0.453               | 2.50           | 0.36           | 0.501          | 2.59                | 0.37           | 0.627          | 2.74           | 0.43                | 0.754          | 2.83           | 0.45           | 0.998               | 2.73           | 0.51           |                |                     |                |                |                |                      |  |  |  |
| 41683 | 17.211 | 38.872 | 0.334              | 2.34           | 0.26           | 0.424          | 2.38               | 0.31           | 0.503          | 2.39           | 0.34               | 0.577          | 2.44           | 0.35           | 0.662               | 2.46           | 0.36           | 0.762          | 2.49                | 0.37           | 1.046          | 2.51           | 0.42                | 1.348          | 2.53           | 0.44           | 1.793               | 2.61           | 0.45           |                |                     |                |                |                |                      |  |  |  |
| 41461 | 17.213 | 38.922 | 0.343              | 2.36           | 0.26           | 0.439          | 2.37               | 0.31           | 0.521          | 2.39           | 0.33               | 0.597          | 2.45           | 0.35           | 0.692               | 2.44           | 0.36           | 0.797          | 2.49                | 0.37           | 1.115          | 2.47           | 0.41                | 1.453          | 2.49           | 0.43           | 1.960               | 2.67           | 0.44           |                |                     |                |                |                |                      |  |  |  |
| 41239 | 17.216 | 38.972 | 0.350              | 2.37           | 0.26           | 0.452          | 2.37               | 0.31           | 0.536          | 2.39           | 0.33               | 0.618          | 2.44           | 0.34           | 0.716               | 2.43           | 0.36           | 0.830          | 2.47                | 0.37           | 1.166          | 2.46           | 0.41                | 1.526          | 2.48           | 0.43           | 2.069               | 2.56           | 0.44           |                |                     |                |                |                |                      |  |  |  |
| 41017 | 17.221 | 38.022 | 0.355              | 2.38           | 0.26           | 0.460          | 2.36               | 0.31           | 0.544          | 2.40           | 0.33               | 0.633          | 2.43           | 0.34           | 0.730               | 2.43           | 0.36           | 0.847          | 2.46                | 0.37           | 1.185          | 2.46           | 0.41                | 1.547          | 2.48           | 0.42           | 2.092               | 2.56           | 0.44           |                |                     |                |                |                |                      |  |  |  |
| 40795 | 17.221 | 39.072 | 0.359              | 2.38           | 0.26           | 0.465          | 2.36               | 0.31           | 0.550          | 2.41           | 0.33               | 0.638          | 2.43           | 0.34           | 0.737               | 2.43           | 0.36           | 0.854          | 2.46                | 0.37           | 1.192          | 2.46           | 0.41                | 1.548          | 2.50           | 0.42           | 2.084               | 2.58           | 0.44           |                |                     |                |                |                |                      |  |  |  |
| 40573 | 17.224 | 39.122 | 0.360              | 2.39           | 0.26           | 0.466          | 2.36               | 0.31           | 0.551          | 2.41           | 0.33               | 0.640          | 2.43           | 0.34           | 0.740               | 2.44           | 0.36           | 0.856          | 2.47                | 0.37           | 1.190          | 2.47           | 0.41                | 1.539          | 2.51           | 0.43           | 2.062               | 2.59           | 0.44           |                |                     |                |                |                |                      |  |  |  |
| 40351 | 17.227 | 39.172 | 0.360              | 2.39           | 0.26           | 0.467          | 2.37               | 0.31           | 0.552          | 2.41           | 0.33               | 0.640          | 2.43           | 0.34           | 0.739               | 2.44           | 0.36           | 0.853          | 2.48                | 0.37           | 1.183          | 2.48           | 0.41                | 1.524          | 2.52           | 0.43           | 2.033               | 2.60           | 0.44           |                |                     |                |                |                |                      |  |  |  |
| 35244 | 17.228 | 40.323 | 0.255              | 2.37           | 0.23           | 0.324          | 2.40               | 0.29           | 0.373          | 2.47           | 0.33               | 0.424          | 2.51           | 0.35           | 0.471               | 2.56           | 0.37           | 0.522          | 2.66                | 0.38           | 0.650          | 2.81           | 0.42                | 0.766          | 2.95           | 0.45           | 0.936               | 3.09           | 0.47           |                |                     |                |                |                |                      |  |  |  |
| 40129 | 17.23  | 39.222 | 0.359              | 2.39           | 0.26           | 0.465          | 2.37               | 0.31           | 0.549          | 2.41           | 0.33               | 0.637          | 2.44           | 0.34           | 0.735               | 2.44           | 0.36           | 0.847          | 2.48                | 0.37           | 1.173          | 2.48           | 0.41                | 1.505          | 2.53           | 0.43           | 2.001               | 2.61           | 0.44           |                |                     |                |                |                |                      |  |  |  |
| 35022 | 17.231 | 40.373 | 0.257              | 2.38           | 0.23           | 0.329          | 2.41               | 0.29           | 0.380          | 2.47           | 0.33               | 0.434          | 2.49           | 0.35           | 0.488               | 2.52           | 0.36           | 0.543          | 2.62                | 0.37           | 0.685          | 2.74           | 0.41                | 0.815          | 2.88           | 0.43           | 1.047               | 2.89           | 0.46           |                |                     |                |                |                |                      |  |  |  |
| 39907 | 17.233 | 39.272 | 0.357              | 2.39           | 0.26           | 0.461          | 2.37               | 0.31           | 0.546          | 2.41           | 0.33               | 0.631          | 2.44           | 0.34           | 0.729               | 2.45           | 0.36           | 0.838          | 2.49                | 0.37           | 1.160          | 2.49           | 0.41                | 1.484          | 2.53           | 0.43           | 1.968               | 2.61           | 0.45           |                |                     |                |                |                |                      |  |  |  |
| 34800 | 17.233 | 40.423 | 0.260              | 2.39           | 0.23           | 0.335          | 2.41               | 0.29           | 0.388          | 2.46           | 0.32               | 0.448          | 2.46           | 0.35           | 0.508               | 2.49           | 0.36           | 0.570          | 2.56                | 0.37           | 0.741          | 2.65           | 0.40                | 0.910          | 2.73           | 0.42           | 1.207               | 2.71           | 0.43           |                |                     |                |                |                |                      |  |  |  |
| 39685 | 17.235 | 39.321 | 0.354              | 2.39           | 0.26           | 0.456          | 2.38               | 0.31           | 0.540          | 2.41           | 0.33               | 0.623          | 2.45           | 0.35           | 0.720               | 2.45           | 0.36           | 0.827          | 2.50                | 0.37           | 1.144          | 2.49           | 0.41                | 1.460          | 2.54           | 0.43           | 1.933               | 2.62           | 0.45           |                |                     |                |                |                |                      |  |  |  |
| 34578 | 17.236 | 40.473 | 0.262              | 2.39           | 0.23           | 0.340          | 2.41               | 0.29           | 0.395          | 2.46           | 0.32               | 0.462          | 2.44           | 0.34           | 0.526               | 2.47           | 0.35           | 0.593          | 2.56                | 0.36           | 0.812          | 2.61           | 0.37                | 1.033          | 2.62           | 0.38           | 1.361               | 2.71           | 0.38           |                |                     |                |                |                |                      |  |  |  |
| 39463 | 17.238 | 39.371 | 0.350              | 2.39           | 0.26           | 0.450          | 2.38               | 0.31           | 0.533          | 2.41           | 0.33               | 0.614          | 2.46           | 0.35           | 0.710               | 2.45           | 0.36           | 0.814          | 2.50                | 0.37           | 1.125          | 2.50           | 0.41                | 1.433          | 2.55           | 0.43           | 1.896               | 2.62           | 0.45           |                |                     |                |                |                |                      |  |  |  |
| 34356 | 17.239 | 40.523 | 0.263              | 2.40           | 0.23           | 0.344          | 2.40               | 0.29           | 0.402          | 2.45           | 0.32               | 0.474          | 2.42           | 0.34           | 0.543               | 2.46           | 0.36           | 0.620          | 2.54                | 0.35           | 0.864          | 2.59           | 0.35                | 1.130          | 2.57           | 0.36           | 1.526               | 2.61           | 0.36           |                |                     |                |                |                |                      |  |  |  |
| 39241 | 17.241 | 39.421 | 0.345              | 2.39           | 0.26           | 0.442          | 2.39               | 0.31           | 0.525          | 2.41           | 0.34               | 0.602          | 2.42           | 0.35           | 0.697               | 2.46           | 0.36           | 0.799          | 2.51                | 0.37           | 1.105          | 2.51           | 0.41                | 1.404          | 2.56           | 0.43           | 1.858               | 2.63           | 0.45           |                |                     |                |                |                |                      |  |  |  |
| 34134 | 17.242 | 40.572 | 0.261              | 2.39           | 0.23           | 0.343          | 2.40               | 0.29           | 0.401          | 2.45           | 0.32               | 0.474          | 2.41           | 0.34           | 0.544               | 2.44           | 0.35           | 0.629          | 2.51                | 0.35           | 0.870          | 2.58           | 0.35                | 1.139          | 2.56           | 0.35           | 1.540               | 2.61           | 0.36           |                |                     |                |                |                |                      |  |  |  |
| 33912 | 17.245 | 40.622 | 0.257              | 2.39           | 0.23           | 0.338          | 2.40               | 0.29           | 0.395          | 2.40           | 0.32               | 0.465          | 2.41           | 0.34           | 0.533               | 2.44           | 0.35           | 0.605          | 2.54                | 0.35           | 0.842          | 2.58           | 0.35                | 1.100          | 2.56           | 0.36           | 1.469               | 2.63           | 0.36           |                |                     |                |                |                |                      |  |  |  |
| 33690 | 17.248 | 40.672 | 0.250              | 2.38           | 0.23           | 0.328          | 2.40               | 0.28           | 0.383          | 2.43           | 0.31               | 0.445          | 2.43           | 0.33           | 0.510               | 2.44           | 0.35           | 0.575          | 2.52                | 0.35           | 0.778          | 2.60           | 0.37                | 0.979          | 2.63           | 0.37           | 1.283               | 2.71           | 0.38           |                |                     |                |                |                |                      |  |  |  |
| 33468 | 17.251 | 40.722 | 0.242              | 2.38           | 0.23           | 0.317          | 2.40               | 0.28           | 0.370          | 2.42           | 0.31               | 0.424          | 2.45           | 0.33           | 0.485               | 2.44           | 0.35           | 0.545          | 2.52                | 0.36           | 0.699          | 2.68           | 0.38                | 0.860          | 2.72           | 0.41           | 1.147               | 2.68           | 0.43           |                |                     |                |                |                |                      |  |  |  |
| 33246 | 17.254 | 40.772 | 0.234              | 2.38           | 0.22           | 0.306          | 2.39               | 0.28           | 0.356          | 2.40           | 0.31               | 0.404          | 2.46           | 0.34           | 0.457               | 2.48           | 0.35           | 0.509          | 2.57                | 0.36           | 0.638          | 2.71           | 0.41                | 0.765          | 2.82           | 0.43           | 0.994               | 2.81           | 0.45           |                |                     |                |                |                |                      |  |  |  |
| 33024 | 17.257 | 40.822 | 0.225              | 2.38           | 0.22           | 0.295          | 2.37               | 0.28           | 0.343          | 2.38           | 0.31               | 0.389          | 2.45           | 0.34           | 0.434               | 2.50           | 0.35           | 0.482          | 2.57                | 0.37           | 0.598          | 2.74           | 0.42                | 0.705          | 2.87           | 0.45           | 0.920               | 2.80           | 0.51           |                |                     |                |                |                |                      |  |  |  |
| 32802 | 17.260 | 40.872 | 0.217              | 2.39           | 0.22           | 0.284          | 2.36               | 0.28           | 0.331          | 2.37           | 0.31               | 0.362          | 2.44           | 0.34           | 0.416               | 2.46           | 0.36           | 0.463          | 2.56                | 0.38           | 0.574          | 2.72           | 0.43                | 0.673          | 2.87           | 0.46           | 0.823               | 3.01           | 0.53           |                |                     |                |                |                |                      |  |  |  |
| 32580 | 17.262 | 40.922 | 0.209              | 2.40           | 0.21           | 0.274          | 2.35               | 0.27           | 0.320          | 2.35           | 0.31               | 0.362          | 2.43           | 0.34           | 0.400               | 2.49           | 0.36           | 0.447          | 2.54                | 0.38           | 0.556          | 2.69           | 0.44                | 0.653          | 2.81           | 0.51           | 0.784               | 3.06           | 0.54           |                |                     |                |                |                |                      |  |  |  |
| 32358 | 17.265 | 40.972 | 0.202              | 2.41           | 0.20           | 0.265          | 2.34               | 0.27           | 0.310          | 2.33           | 0.31               | 0.350          | 2.42           | 0.34           | 0.388               | 2.48           | 0.36           | 0.433          | 2.53                | 0.38           | 0.543          | 2.67           | 0.44                | 0.638          | 2.79           | 0.52           | 0.770               | 3.03           | 0.55           |                |                     |                |                |                |                      |  |  |  |
| 32136 | 17.268 | 41.022 | 0.196              | 2.40           | 0.20           | 0.257          | 2.33               | 0.27           | 0.300          | 2.30           | 0.30               | 0.339          | 2.41           | 0.34           | 0.377               | 2.48           | 0.36           | 0.421          | 2                   |                |                |                |                     |                |                |                |                     |                |                |                |                     |                |                |                |                      |  |  |  |



| ID    | LON    | LAT    | T <sub>n</sub> =30 |                |                |                |                | T <sub>n</sub> =50 |                |                |                |                | T <sub>n</sub> =72 |                |                |                |                | T <sub>n</sub> =101 |                |                |                |                | T <sub>n</sub> =140 |                |                |                |                | T <sub>n</sub> =201 |                |                |                |                | T <sub>n</sub> =475 |                |                |                |                | T <sub>n</sub> =975 |                |                |                |                | T <sub>n</sub> =2475 |                |                |                |                |
|-------|--------|--------|--------------------|----------------|----------------|----------------|----------------|--------------------|----------------|----------------|----------------|----------------|--------------------|----------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|----------------|----------------------|----------------|----------------|----------------|----------------|
|       |        |        | a <sub>q</sub>     | F <sub>o</sub> | T <sub>c</sub> | a <sub>q</sub> | F <sub>o</sub> | a <sub>q</sub>     | F <sub>o</sub> | T <sub>c</sub> | a <sub>q</sub> | F <sub>o</sub> | a <sub>q</sub>     | F <sub>o</sub> | T <sub>c</sub> | a <sub>q</sub> | F <sub>o</sub> | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | a <sub>q</sub> | F <sub>o</sub> | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | a <sub>q</sub> | F <sub>o</sub> | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | a <sub>q</sub> | F <sub>o</sub> | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | a <sub>q</sub> | F <sub>o</sub> | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | a <sub>q</sub> | F <sub>o</sub> | a <sub>q</sub>       | F <sub>o</sub> | T <sub>c</sub> | a <sub>q</sub> | F <sub>o</sub> |
| 35023 | 17.296 | 40.37  | 0.244              | 2.37           | 0.23           | 0.314          | 2.40           | 0.29               | 0.363          | 2.46           | 0.33           | 0.412          | 2.51               | 0.35           | 0.459          | 2.56           | 0.36           | 0.510               | 2.66           | 0.37           | 0.635          | 2.80           | 0.41                | 0.751          | 2.94           | 0.43           | 0.955          | 2.97                | 0.46           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 34801 | 17.299 | 40.42  | 0.244              | 2.38           | 0.23           | 0.317          | 2.41           | 0.29               | 0.368          | 2.45           | 0.32           | 0.419          | 2.49               | 0.34           | 0.472          | 2.52           | 0.36           | 0.526               | 2.62           | 0.37           | 0.663          | 2.74           | 0.41                | 0.793          | 2.87           | 0.42           | 1.019          | 2.89                | 0.45           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 34579 | 17.302 | 40.47  | 0.244              | 2.38           | 0.23           | 0.319          | 2.40           | 0.29               | 0.371          | 2.45           | 0.32           | 0.425          | 2.48               | 0.34           | 0.483          | 2.49           | 0.36           | 0.542               | 2.57           | 0.37           | 0.694          | 2.71           | 0.39                | 0.848          | 2.76           | 0.41           | 1.135          | 2.69                | 0.44           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 34579 | 17.305 | 40.52  | 0.244              | 2.38           | 0.23           | 0.320          | 2.40           | 0.29               | 0.374          | 2.44           | 0.32           | 0.430          | 2.46               | 0.34           | 0.490          | 2.47           | 0.35           | 0.552               | 2.55           | 0.36           | 0.726          | 2.66           | 0.38                | 0.889          | 2.74           | 0.39           | 1.189          | 2.68                | 0.42           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 34135 | 17.308 | 40.57  | 0.242              | 2.38           | 0.23           | 0.318          | 2.40           | 0.29               | 0.372          | 2.43           | 0.32           | 0.429          | 2.45               | 0.34           | 0.489          | 2.46           | 0.35           | 0.551               | 2.54           | 0.36           | 0.729          | 2.65           | 0.37                | 0.895          | 2.72           | 0.38           | 1.192          | 2.72                | 0.39           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 33913 | 17.311 | 40.62  | 0.238              | 2.38           | 0.23           | 0.314          | 2.40           | 0.28               | 0.368          | 2.42           | 0.31           | 0.422          | 2.45               | 0.34           | 0.482          | 2.46           | 0.35           | 0.543               | 2.53           | 0.36           | 0.708          | 2.67           | 0.37                | 0.868          | 2.75           | 0.38           | 1.167          | 2.68                | 0.41           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 33691 | 17.314 | 40.67  | 0.233              | 2.38           | 0.23           | 0.307          | 2.40           | 0.28               | 0.359          | 2.41           | 0.31           | 0.414          | 2.46               | 0.33           | 0.467          | 2.46           | 0.35           | 0.526               | 2.54           | 0.36           | 0.670          | 2.70           | 0.38                | 0.820          | 2.74           | 0.41           | 1.089          | 2.70                | 0.43           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 33469 | 17.317 | 40.72  | 0.227              | 2.39           | 0.22           | 0.299          | 2.39           | 0.28               | 0.350          | 2.40           | 0.31           | 0.397          | 2.46               | 0.33           | 0.450          | 2.48           | 0.35           | 0.502               | 2.56           | 0.36           | 0.630          | 2.71           | 0.40                | 0.753          | 2.84           | 0.42           | 0.974          | 2.83                | 0.43           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 33247 | 17.32  | 40.77  | 0.220              | 2.39           | 0.22           | 0.290          | 2.37           | 0.28               | 0.339          | 2.40           | 0.30           | 0.385          | 2.45               | 0.33           | 0.431          | 2.49           | 0.35           | 0.480               | 2.57           | 0.37           | 0.596          | 2.73           | 0.41                | 0.705          | 2.87           | 0.43           | 0.917          | 2.83                | 0.46           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 33025 | 17.323 | 40.82  | 0.215              | 2.40           | 0.22           | 0.281          | 2.35           | 0.28               | 0.328          | 2.38           | 0.30           | 0.360          | 2.43               | 0.34           | 0.414          | 2.44           | 0.35           | 0.461               | 2.56           | 0.37           | 0.572          | 2.70           | 0.43                | 0.671          | 2.86           | 0.44           | 0.814          | 3.02                | 0.51           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 32803 | 17.325 | 40.87  | 0.205              | 2.41           | 0.21           | 0.271          | 2.35           | 0.27               | 0.317          | 2.36           | 0.30           | 0.350          | 2.42               | 0.34           | 0.404          | 2.49           | 0.35           | 0.445               | 2.54           | 0.38           | 0.553          | 2.70           | 0.43                | 0.648          | 2.84           | 0.45           | 0.776          | 3.05                | 0.52           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 32581 | 17.328 | 40.92  | 0.198              | 2.41           | 0.20           | 0.262          | 2.34           | 0.27               | 0.307          | 2.33           | 0.31           | 0.348          | 2.41               | 0.34           | 0.387          | 2.48           | 0.35           | 0.431               | 2.53           | 0.38           | 0.538          | 2.67           | 0.44                | 0.631          | 2.78           | 0.51           | 0.757          | 3.01                | 0.54           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 32359 | 17.331 | 40.97  | 0.193              | 2.40           | 0.20           | 0.254          | 2.34           | 0.27               | 0.298          | 2.33           | 0.30           | 0.338          | 2.40               | 0.34           | 0.375          | 2.47           | 0.35           | 0.419               | 2.52           | 0.38           | 0.526          | 2.65           | 0.44                | 0.617          | 2.76           | 0.52           | 0.744          | 2.98                | 0.55           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 32137 | 17.334 | 41.02  | 0.188              | 2.36           | 0.19           | 0.246          | 2.33           | 0.25               | 0.289          | 2.33           | 0.30           | 0.328          | 2.39               | 0.33           | 0.365          | 2.46           | 0.35           | 0.407               | 2.51           | 0.38           | 0.515          | 2.63           | 0.45                | 0.607          | 2.74           | 0.52           | 0.735          | 2.95                | 0.55           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 31915 | 17.336 | 40.968 | 0.231              | 2.38           | 0.23           | 0.297          | 2.39           | 0.29               | 0.343          | 2.46           | 0.33           | 0.384          | 2.54               | 0.35           | 0.425          | 2.60           | 0.37           | 0.473               | 2.67           | 0.39           | 0.586          | 2.85           | 0.43                | 0.689          | 3.01           | 0.46           | 0.827          | 3.21                | 0.52           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 31693 | 17.339 | 40.918 | 0.230              | 2.39           | 0.23           | 0.298          | 2.40           | 0.29               | 0.344          | 2.45           | 0.33           | 0.386          | 2.53               | 0.34           | 0.428          | 2.60           | 0.37           | 0.475               | 2.67           | 0.38           | 0.587          | 2.85           | 0.43                | 0.690          | 3.01           | 0.45           | 0.829          | 3.20                | 0.51           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 31471 | 17.342 | 40.868 | 0.230              | 2.39           | 0.23           | 0.299          | 2.40           | 0.29               | 0.345          | 2.44           | 0.32           | 0.390          | 2.52               | 0.34           | 0.433          | 2.58           | 0.36           | 0.480               | 2.67           | 0.38           | 0.594          | 2.84           | 0.42                | 0.698          | 3.00           | 0.44           | 0.839          | 3.19                | 0.46           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 31249 | 17.345 | 40.818 | 0.230              | 2.39           | 0.23           | 0.300          | 2.40           | 0.28               | 0.350          | 2.44           | 0.32           | 0.395          | 2.50               | 0.34           | 0.439          | 2.56           | 0.36           | 0.488               | 2.66           | 0.37           | 0.604          | 2.81           | 0.41                | 0.714          | 2.96           | 0.43           | 0.897          | 3.02                | 0.45           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 31027 | 17.348 | 40.768 | 0.229              | 2.39           | 0.23           | 0.300          | 2.41           | 0.28               | 0.350          | 2.43           | 0.32           | 0.399          | 2.49               | 0.34           | 0.444          | 2.54           | 0.36           | 0.495               | 2.63           | 0.37           | 0.616          | 2.78           | 0.41                | 0.731          | 2.92           | 0.42           | 0.951          | 2.88                | 0.45           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 30805 | 17.351 | 40.718 | 0.228              | 2.39           | 0.23           | 0.301          | 2.40           | 0.28               | 0.351          | 2.42           | 0.32           | 0.397          | 2.49               | 0.34           | 0.451          | 2.50           | 0.36           | 0.503               | 2.60           | 0.37           | 0.631          | 2.73           | 0.40                | 0.752          | 2.88           | 0.42           | 0.970          | 2.88                | 0.44           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 30583 | 17.354 | 40.668 | 0.226              | 2.39           | 0.23           | 0.298          | 2.40           | 0.28               | 0.349          | 2.41           | 0.32           | 0.397          | 2.48               | 0.34           | 0.450          | 2.49           | 0.36           | 0.503               | 2.58           | 0.37           | 0.632          | 2.71           | 0.40                | 0.755          | 2.85           | 0.41           | 0.969          | 2.87                | 0.44           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 30361 | 17.357 | 40.618 | 0.222              | 2.40           | 0.22           | 0.295          | 2.39           | 0.28               | 0.345          | 2.40           | 0.31           | 0.393          | 2.47               | 0.34           | 0.444          | 2.49           | 0.35           | 0.486               | 2.57           | 0.37           | 0.622          | 2.71           | 0.40                | 0.741          | 2.85           | 0.42           | 0.954          | 2.86                | 0.44           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 30139 | 17.360 | 40.568 | 0.218              | 2.40           | 0.22           | 0.288          | 2.38           | 0.28               | 0.338          | 2.39           | 0.31           | 0.385          | 2.46               | 0.33           | 0.432          | 2.50           | 0.35           | 0.481               | 2.58           | 0.37           | 0.609          | 2.74           | 0.41                | 0.712          | 2.87           | 0.42           | 0.924          | 2.84                | 0.45           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 29917 | 17.363 | 40.518 | 0.216              | 2.40           | 0.22           | 0.292          | 2.37           | 0.28               | 0.331          | 2.39           | 0.30           | 0.377          | 2.45               | 0.33           | 0.420          | 2.51           | 0.35           | 0.468               | 2.58           | 0.37           | 0.582          | 2.74           | 0.41                | 0.686          | 2.88           | 0.43           | 0.864          | 2.93                | 0.46           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 29695 | 17.366 | 40.468 | 0.206              | 2.41           | 0.22           | 0.275          | 2.35           | 0.27               | 0.323          | 2.38           | 0.30           | 0.367          | 2.43               | 0.33           | 0.408          | 2.50           | 0.35           | 0.454               | 2.56           | 0.37           | 0.564          | 2.73           | 0.42                | 0.661          | 2.87           | 0.44           | 0.792          | 3.00                | 0.46           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 29473 | 17.369 | 40.418 | 0.200              | 2.42           | 0.21           | 0.266          | 2.32           | 0.27               | 0.313          | 2.36           | 0.30           | 0.356          | 2.42               | 0.33           | 0.396          | 2.49           | 0.35           | 0.441               | 2.55           | 0.37           | 0.548          | 2.70           | 0.42                | 0.641          | 2.85           | 0.44           | 0.767          | 3.03                | 0.51           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 29251 | 17.372 | 40.368 | 0.194              | 2.39           | 0.19           | 0.258          | 2.35           | 0.27               | 0.304          | 2.34           | 0.30           | 0.346          | 2.40               | 0.34           | 0.384          | 2.47           | 0.35           | 0.428               | 2.53           | 0.38           | 0.534          | 2.67           | 0.43                | 0.624          | 2.82           | 0.45           | 0.748          | 3.01                | 0.52           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 29029 | 17.375 | 40.318 | 0.189              | 2.37           | 0.19           | 0.250          | 2.34           | 0.27               | 0.295          | 2.33           | 0.30           | 0.335          | 2.39               | 0.33           | 0.373          | 2.46           | 0.35           | 0.416               | 2.51           | 0.38           | 0.521          | 2.65           | 0.44                | 0.610          | 2.76           | 0.51           | 0.783          | 2.98                | 0.53           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 28807 | 17.378 | 40.268 | 0.184              | 2.36           | 0.19           | 0.242          | 2.33           | 0.25               | 0.286          | 2.32           | 0.30           | 0.325          | 2.38               | 0.33           | 0.363          | 2.44           | 0.35           | 0.405               | 2.50           | 0.38           | 0.510          | 2.62           | 0.44                | 0.598          | 2.74           | 0.51           | 0.722          | 2.95                | 0.54           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 28585 | 17.381 | 40.218 | 0.182              | 2.39           | 0.23           | 0.285          | 2.37           | 0.29               | 0.329          | 2.45           | 0.33           | 0.369          | 2.54               | 0.34           | 0.408          | 2.61           | 0.37           | 0.454               | 2.67           | 0.39           | 0.564          | 2.85           | 0.44                | 0.662          | 3.03           | 0.46           | 0.793          | 3.24                | 0.52           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 28363 | 17.384 | 40.168 | 0.178              | 2.40           | 0.23           | 0.285          | 2.38           | 0.29               | 0.329          | 2.45           | 0.32           | 0.370          | 2.54               | 0.34           | 0.409          | 2.61           | 0.36           | 0.455               | 2.67           | 0.38           | 0.563          | 2.86           | 0.43                | 0.659          | 3.03           | 0.45           | 0.787          | 3.24                | 0.52           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 28141 | 17.387 | 40.118 | 0.172              | 2.41           | 0.23           | 0.285          | 2.38           | 0.29               | 0.331          | 2.43           | 0.32           | 0.372          | 2.52               | 0.34           | 0.411          | 2.60           | 0.36           | 0.457               | 2.67           | 0.38           | 0.565          | 2.85           | 0.42                | 0.661          | 3.01           | 0.44           | 0.789          | 3.21                | 0.51           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 27919 | 17.390 | 40.068 | 0.167              | 2.41           | 0.22           | 0.285          | 2.38           | 0.28               | 0.333          | 2.42           | 0.32           | 0.374          | 2.51               | 0.34           | 0.414          | 2.58           | 0.36           | 0.460               | 2.66           | 0.37           | 0.569          | 2.83           | 0.42                | 0.666          | 3.00           | 0.44           | 0.795          | 3.21                | 0.46           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 27697 | 17.393 | 40.018 | 0.161              | 2.41           | 0.22           | 0.284          | 2.38           | 0.28               | 0.333          | 2.41           | 0.32           | 0.375          | 2.50               | 0.34           | 0.416          | 2.57           | 0.35           | 0.462               | 2.64           | 0.37           | 0.572          | 2.81           | 0.41                | 0.671          | 2.97           | 0.43           | 0.803          | 3.18                | 0.46           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 27475 | 17.396 | 40.018 | 0.161              | 2.41           | 0.22           | 0.284          | 2.38           | 0.28               | 0.333          | 2.41           | 0.32           | 0.377          | 2.48               | 0.34           | 0.419          | 2.55           | 0.35           | 0.466               | 2.63           | 0.37           | 0.578          | 2.79           | 0.41                | 0.680          | 2.95           | 0.43           | 0.833          | 3.06                | 0.45           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 27253 | 17.399 | 40.018 | 0.161              | 2.41           | 0.22           | 0.284          | 2.38           | 0.28               | 0.333          | 2.41           | 0.32           | 0.377          | 2.48               | 0.34           | 0.419          | 2.55           | 0.35           | 0.466               | 2.63           | 0.37           | 0.578          | 2.79           | 0.41                | 0.680          | 2.95           | 0.43           | 0.833          | 3.06                | 0.45           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 27031 | 17.402 | 40.018 | 0.161              | 2.41           | 0.22           | 0.284          | 2.38           | 0.28               | 0.333          | 2.41           | 0.32           | 0.377          | 2.48               | 0.34           | 0.419          | 2.55           | 0.35           | 0.466               | 2.63           | 0.37           | 0.578          | 2.79           | 0.41                | 0.680          | 2.95           | 0.43           | 0.833          | 3.06                | 0.45           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 26809 | 17.405 | 40.018 | 0.161              | 2.41           | 0.22           | 0.284          | 2.38           | 0.28               | 0.333          | 2.41           | 0.32           | 0.377          | 2.48               | 0.34           | 0.419          | 2.55           | 0.35           | 0.466               | 2.63           | 0.37           | 0.578          | 2.79           | 0.41                | 0.680          | 2.95           | 0.43           | 0.833          | 3.06                | 0.45           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 26587 | 17.408 | 40.018 | 0.161              | 2.41           | 0.22           | 0.284          | 2.38           | 0.28               | 0.333          | 2.41           | 0.32           | 0.377          | 2.48               | 0.34           | 0.419          | 2.55           | 0.35           | 0.466               | 2.63           | 0.37           | 0.578          | 2.79           | 0.41                | 0.680          | 2.95           | 0.43           | 0.833          | 3.06                | 0.45           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 26365 | 17.411 | 40.018 | 0.161              | 2.41           | 0.22           | 0.284          | 2.38           | 0.28               | 0.333          | 2.41           | 0.32           | 0.377          | 2.48               | 0.34           | 0.419          | 2.55           | 0.35           | 0.466               | 2.63           | 0.37           | 0.578          | 2.79           | 0.41                | 0.680          | 2.95           | 0.43           | 0.833          | 3.06                | 0.45           |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |
| 26143 | 17.414 | 40.018 | 0.161              | 2.41           | 0.22           | 0.284          | 2.38           | 0                  |                |                |                |                |                    |                |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                     |                |                |                |                |                      |                |                |                |                |

| ID    | T <sub>n</sub> =30 |        |                | T <sub>n</sub> =50 |                |                | T <sub>n</sub> =72 |                |                | T <sub>n</sub> =101 |                |                | T <sub>n</sub> =140 |                |                | T <sub>n</sub> =201 |                |                | T <sub>n</sub> =475 |                |                | T <sub>n</sub> =975 |                |                | T <sub>n</sub> =2475 |                |                |                |                |
|-------|--------------------|--------|----------------|--------------------|----------------|----------------|--------------------|----------------|----------------|---------------------|----------------|----------------|---------------------|----------------|----------------|---------------------|----------------|----------------|---------------------|----------------|----------------|---------------------|----------------|----------------|----------------------|----------------|----------------|----------------|----------------|
|       | Lon                | LAT    | F <sub>o</sub> | a <sub>g</sub>     | F <sub>o</sub> | a <sub>g</sub> | T <sub>c</sub>     | F <sub>o</sub> | a <sub>g</sub> | T <sub>c</sub>      | F <sub>o</sub> | a <sub>g</sub> | F <sub>o</sub>      | a <sub>g</sub> | T <sub>c</sub> | F <sub>o</sub>      | a <sub>g</sub> | T <sub>c</sub> | F <sub>o</sub>      | a <sub>g</sub> | F <sub>o</sub> | a <sub>g</sub>      | T <sub>c</sub> | F <sub>o</sub> | a <sub>g</sub>       | T <sub>c</sub> | F <sub>o</sub> | a <sub>g</sub> | T <sub>c</sub> |
| 33916 | 17.508             | 40.613 | 1.95           | 2.43               | 0.21           | 0.261          | 2.36               | 0.28           | 0.308          | 2.37                | 0.31           | 0.351          | 2.45                | 0.33           | 0.390          | 2.53                | 0.35           | 0.434          | 2.59                | 0.37           | 0.539          | 2.76                | 0.42           | 0.630          | 2.91                 | 0.44           | 0.753          | 3.13           | 0.46           |
| 33994 | 17.514             | 40.663 | 1.91           | 2.42               | 0.21           | 0.256          | 2.36               | 0.27           | 0.303          | 2.36                | 0.31           | 0.345          | 2.44                | 0.33           | 0.383          | 2.50                | 0.35           | 0.427          | 2.57                | 0.37           | 0.531          | 2.73                | 0.42           | 0.620          | 2.89                 | 0.44           | 0.742          | 3.11           | 0.46           |
| 33472 | 17.514             | 40.718 | 1.88           | 2.39               | 0.19           | 0.250          | 2.36               | 0.27           | 0.297          | 2.34                | 0.31           | 0.333          | 2.42                | 0.33           | 0.378          | 2.50                | 0.35           | 0.421          | 2.55                | 0.37           | 0.524          | 2.71                | 0.42           | 0.612          | 2.86                 | 0.44           | 0.732          | 3.09           | 0.46           |
| 33250 | 17.517             | 40.763 | 1.84           | 2.39               | 0.19           | 0.245          | 2.35               | 0.25           | 0.290          | 2.33                | 0.31           | 0.333          | 2.40                | 0.33           | 0.378          | 2.47                | 0.35           | 0.413          | 2.53                | 0.37           | 0.517          | 2.67                | 0.43           | 0.603          | 2.83                 | 0.44           | 0.722          | 3.02           | 0.51           |
| 33028 | 17.52              | 40.813 | 1.79           | 2.38               | 0.19           | 0.238          | 2.35               | 0.24           | 0.283          | 2.31                | 0.31           | 0.326          | 2.38                | 0.33           | 0.363          | 2.45                | 0.35           | 0.405          | 2.51                | 0.37           | 0.508          | 2.64                | 0.43           | 0.594          | 2.80                 | 0.45           | 0.711          | 2.99           | 0.51           |
| 32806 | 17.524             | 40.863 | 1.75           | 2.37               | 0.16           | 0.232          | 2.35               | 0.24           | 0.276          | 2.32                | 0.29           | 0.317          | 2.36                | 0.33           | 0.355          | 2.43                | 0.35           | 0.396          | 2.49                | 0.37           | 0.499          | 2.61                | 0.43           | 0.584          | 2.77                 | 0.45           | 0.700          | 2.96           | 0.52           |
| 32584 | 17.527             | 40.913 | 1.71           | 2.36               | 0.16           | 0.225          | 2.35               | 0.23           | 0.269          | 2.32                | 0.29           | 0.309          | 2.35                | 0.33           | 0.346          | 2.41                | 0.35           | 0.387          | 2.47                | 0.37           | 0.488          | 2.59                | 0.44           | 0.575          | 2.74                 | 0.46           | 0.691          | 2.92           | 0.53           |
| 32362 | 17.529             | 40.963 | 1.67           | 2.35               | 0.22           | 0.218          | 2.35               | 0.29           | 0.305          | 2.43                | 0.33           | 0.345          | 2.52                | 0.35           | 0.383          | 2.59                | 0.37           | 0.428          | 2.62                | 0.41           | 0.541          | 2.82                | 0.45           | 0.639          | 2.99                 | 0.47           | 0.775          | 3.21           | 0.52           |
| 32140 | 17.532             | 40.261 | 1.99           | 2.39               | 0.22           | 0.262          | 2.34               | 0.28           | 0.304          | 2.42                | 0.32           | 0.343          | 2.52                | 0.34           | 0.381          | 2.58                | 0.37           | 0.426          | 2.62                | 0.40           | 0.535          | 2.81                | 0.44           | 0.630          | 2.99                 | 0.47           | 0.762          | 3.21           | 0.52           |
| 31918 | 17.535             | 40.311 | 1.98           | 2.40               | 0.21           | 0.262          | 2.34               | 0.28           | 0.304          | 2.41                | 0.32           | 0.343          | 2.51                | 0.34           | 0.381          | 2.58                | 0.36           | 0.424          | 2.63                | 0.39           | 0.532          | 2.81                | 0.44           | 0.624          | 2.99                 | 0.46           | 0.752          | 3.20           | 0.52           |
| 31696 | 17.538             | 40.361 | 1.96           | 2.40               | 0.21           | 0.260          | 2.34               | 0.28           | 0.303          | 2.39                | 0.32           | 0.343          | 2.49                | 0.34           | 0.380          | 2.56                | 0.36           | 0.424          | 2.62                | 0.38           | 0.529          | 2.80                | 0.44           | 0.620          | 2.98                 | 0.46           | 0.744          | 3.19           | 0.52           |
| 31474 | 17.541             | 40.411 | 1.94           | 2.41               | 0.21           | 0.258          | 2.35               | 0.28           | 0.303          | 2.38                | 0.32           | 0.342          | 2.48                | 0.34           | 0.380          | 2.56                | 0.36           | 0.423          | 2.62                | 0.38           | 0.527          | 2.79                | 0.43           | 0.616          | 2.97                 | 0.45           | 0.738          | 3.18           | 0.52           |
| 31252 | 17.564             | 40.461 | 1.92           | 2.41               | 0.21           | 0.256          | 2.35               | 0.28           | 0.301          | 2.37                | 0.32           | 0.341          | 2.47                | 0.34           | 0.378          | 2.55                | 0.35           | 0.421          | 2.61                | 0.38           | 0.525          | 2.78                | 0.43           | 0.613          | 2.95                 | 0.45           | 0.733          | 3.17           | 0.51           |
| 31030 | 17.567             | 40.511 | 1.90           | 2.42               | 0.21           | 0.254          | 2.36               | 0.28           | 0.300          | 2.36                | 0.31           | 0.340          | 2.46                | 0.33           | 0.378          | 2.54                | 0.35           | 0.421          | 2.60                | 0.38           | 0.524          | 2.76                | 0.43           | 0.612          | 2.93                 | 0.45           | 0.731          | 3.14           | 0.51           |
| 30808 | 17.571             | 40.561 | 1.88           | 2.39               | 0.19           | 0.250          | 2.36               | 0.27           | 0.297          | 2.36                | 0.31           | 0.337          | 2.45                | 0.33           | 0.375          | 2.52                | 0.35           | 0.418          | 2.59                | 0.37           | 0.521          | 2.75                | 0.43           | 0.608          | 2.91                 | 0.45           | 0.727          | 3.12           | 0.51           |
| 30586 | 17.574             | 40.611 | 1.85           | 2.39               | 0.19           | 0.246          | 2.36               | 0.25           | 0.293          | 2.35                | 0.31           | 0.334          | 2.43                | 0.33           | 0.372          | 2.51                | 0.35           | 0.414          | 2.57                | 0.37           | 0.517          | 2.72                | 0.43           | 0.603          | 2.89                 | 0.45           | 0.721          | 3.09           | 0.51           |
| 30364 | 17.577             | 40.661 | 1.81           | 2.39               | 0.19           | 0.241          | 2.36               | 0.25           | 0.287          | 2.33                | 0.31           | 0.329          | 2.42                | 0.33           | 0.366          | 2.49                | 0.35           | 0.408          | 2.55                | 0.37           | 0.511          | 2.70                | 0.43           | 0.596          | 2.86                 | 0.45           | 0.713          | 3.07           | 0.51           |
| 30142 | 17.58              | 40.711 | 1.77           | 2.39               | 0.19           | 0.236          | 2.36               | 0.24           | 0.281          | 2.32                | 0.31           | 0.324          | 2.40                | 0.33           | 0.361          | 2.47                | 0.35           | 0.403          | 2.53                | 0.37           | 0.505          | 2.67                | 0.43           | 0.590          | 2.83                 | 0.45           | 0.706          | 3.04           | 0.51           |
| 29920 | 17.583             | 40.761 | 1.73           | 2.38               | 0.19           | 0.230          | 2.36               | 0.24           | 0.275          | 2.31                | 0.31           | 0.317          | 2.38                | 0.33           | 0.355          | 2.45                | 0.35           | 0.397          | 2.51                | 0.37           | 0.498          | 2.64                | 0.43           | 0.583          | 2.80                 | 0.45           | 0.698          | 3.00           | 0.51           |
| 29698 | 17.586             | 40.811 | 1.69           | 2.37               | 0.16           | 0.224          | 2.36               | 0.23           | 0.269          | 2.33                | 0.29           | 0.311          | 2.36                | 0.33           | 0.348          | 2.43                | 0.35           | 0.389          | 2.49                | 0.37           | 0.490          | 2.61                | 0.43           | 0.575          | 2.77                 | 0.45           | 0.690          | 2.96           | 0.52           |
| 29476 | 17.59              | 40.861 | 1.65           | 2.36               | 0.16           | 0.218          | 2.36               | 0.23           | 0.262          | 2.32                | 0.29           | 0.303          | 2.35                | 0.33           | 0.340          | 2.41                | 0.35           | 0.381          | 2.47                | 0.37           | 0.482          | 2.59                | 0.43           | 0.567          | 2.75                 | 0.46           | 0.681          | 2.98           | 0.52           |
| 29254 | 17.517             | 40.259 | 1.92           | 2.33               | 0.20           | 0.252          | 2.33               | 0.28           | 0.295          | 2.38                | 0.32           | 0.334          | 2.48                | 0.35           | 0.373          | 2.54                | 0.37           | 0.417          | 2.58                | 0.41           | 0.530          | 2.75                | 0.45           | 0.629          | 2.93                 | 0.47           | 0.767          | 3.14           | 0.53           |
| 29032 | 17.62              | 40.309 | 1.90           | 2.34               | 0.19           | 0.249          | 2.32               | 0.27           | 0.293          | 2.37                | 0.32           | 0.333          | 2.47                | 0.34           | 0.371          | 2.53                | 0.36           | 0.411          | 2.58                | 0.40           | 0.525          | 2.75                | 0.45           | 0.620          | 2.93                 | 0.47           | 0.754          | 3.14           | 0.52           |
| 28810 | 17.627             | 40.359 | 1.88           | 2.36               | 0.19           | 0.249          | 2.33               | 0.27           | 0.292          | 2.36                | 0.32           | 0.332          | 2.46                | 0.34           | 0.369          | 2.50                | 0.36           | 0.411          | 2.59                | 0.39           | 0.520          | 2.75                | 0.44           | 0.612          | 2.93                 | 0.47           | 0.741          | 3.14           | 0.52           |
| 28588 | 17.632             | 40.409 | 1.86           | 2.36               | 0.19           | 0.246          | 2.34               | 0.27           | 0.290          | 2.35                | 0.32           | 0.329          | 2.46                | 0.34           | 0.367          | 2.49                | 0.36           | 0.409          | 2.59                | 0.38           | 0.515          | 2.75                | 0.44           | 0.604          | 2.93                 | 0.46           | 0.730          | 3.14           | 0.52           |
| 28366 | 17.637             | 40.459 | 1.83           | 2.37               | 0.19           | 0.243          | 2.34               | 0.25           | 0.288          | 2.34                | 0.32           | 0.327          | 2.45                | 0.34           | 0.364          | 2.52                | 0.36           | 0.406          | 2.58                | 0.38           | 0.510          | 2.74                | 0.44           | 0.598          | 2.92                 | 0.46           | 0.720          | 3.14           | 0.51           |
| 28144 | 17.642             | 40.509 | 1.81           | 2.38               | 0.19           | 0.240          | 2.35               | 0.25           | 0.285          | 2.34                | 0.31           | 0.322          | 2.44                | 0.34           | 0.362          | 2.51                | 0.35           | 0.404          | 2.58                | 0.38           | 0.507          | 2.73                | 0.44           | 0.593          | 2.91                 | 0.46           | 0.712          | 3.12           | 0.51           |
| 27922 | 17.646             | 40.559 | 1.78           | 2.38               | 0.19           | 0.237          | 2.36               | 0.25           | 0.282          | 2.33                | 0.31           | 0.322          | 2.42                | 0.33           | 0.360          | 2.50                | 0.35           | 0.401          | 2.56                | 0.38           | 0.503          | 2.71                | 0.43           | 0.589          | 2.88                 | 0.45           | 0.706          | 3.10           | 0.51           |
| 27700 | 17.64              | 40.609 | 1.75           | 2.38               | 0.19           | 0.232          | 2.36               | 0.24           | 0.278          | 2.33                | 0.31           | 0.319          | 2.41                | 0.33           | 0.356          | 2.48                | 0.35           | 0.397          | 2.55                | 0.37           | 0.499          | 2.69                | 0.43           | 0.584          | 2.86                 | 0.45           | 0.700          | 3.07           | 0.51           |
| 27478 | 17.643             | 40.658 | 1.71           | 2.38               | 0.16           | 0.227          | 2.37               | 0.24           | 0.272          | 2.32                | 0.31           | 0.314          | 2.39                | 0.33           | 0.351          | 2.46                | 0.35           | 0.392          | 2.52                | 0.37           | 0.493          | 2.66                | 0.43           | 0.578          | 2.83                 | 0.45           | 0.693          | 3.04           | 0.51           |
| 27256 | 17.646             | 40.708 | 1.67           | 2.38               | 0.16           | 0.222          | 2.37               | 0.24           | 0.268          | 2.34                | 0.29           | 0.308          | 2.37                | 0.33           | 0.346          | 2.44                | 0.35           | 0.387          | 2.51                | 0.37           | 0.488          | 2.64                | 0.43           | 0.572          | 2.80                 | 0.45           | 0.686          | 3.01           | 0.52           |
| 27034 | 17.649             | 40.758 | 1.63           | 2.38               | 0.16           | 0.216          | 2.37               | 0.23           | 0.261          | 2.33                | 0.29           | 0.302          | 2.36                | 0.33           | 0.340          | 2.43                | 0.35           | 0.381          | 2.49                | 0.37           | 0.481          | 2.62                | 0.43           | 0.566          | 2.78                 | 0.45           | 0.679          | 2.97           | 0.52           |
| 26812 | 17.652             | 40.808 | 1.59           | 2.37               | 0.16           | 0.211          | 2.38               | 0.23           | 0.255          | 2.33                | 0.29           | 0.296          | 2.35                | 0.33           | 0.333          | 2.41                | 0.35           | 0.374          | 2.47                | 0.37           | 0.474          | 2.59                | 0.43           | 0.558          | 2.75                 | 0.45           | 0.671          | 2.94           | 0.52           |
| 26590 | 17.656             | 40.858 | 1.55           | 2.37               | 0.16           | 0.205          | 2.38               | 0.22           | 0.249          | 2.32                | 0.29           | 0.289          | 2.33                | 0.32           | 0.326          | 2.40                | 0.35           | 0.367          | 2.46                | 0.37           | 0.466          | 2.57                | 0.44           | 0.550          | 2.73                 | 0.46           | 0.663          | 2.90           | 0.52           |
| 26368 | 17.683             | 40.257 | 1.84           | 2.31               | 0.19           | 0.243          | 2.31               | 0.27           | 0.286          | 2.34                | 0.32           | 0.326          | 2.43                | 0.35           | 0.365          | 2.50                | 0.37           | 0.410          | 2.54                | 0.41           | 0.528          | 2.69                | 0.46           | 0.631          | 2.85                 | 0.48           | 0.776          | 3.05           | 0.53           |
| 26146 | 17.686             | 40.306 | 1.83           | 2.31               | 0.19           | 0.241          | 2.31               | 0.25           | 0.284          | 2.34                | 0.32           | 0.324          | 2.43                | 0.34           | 0.362          | 2.49                | 0.37           | 0.405          | 2.54                | 0.41           | 0.521          | 2.69                | 0.45           | 0.621          | 2.86                 | 0.48           | 0.762          | 3.06           | 0.53           |
| 25924 | 17.689             | 40.356 | 1.80           | 2.33               | 0.19           | 0.238          | 2.32               | 0.25           | 0.281          | 2.33                | 0.32           | 0.321          | 2.42                | 0.34           | 0.359          | 2.49                | 0.36           | 0.401          | 2.54                | 0.40           | 0.514          | 2.69                | 0.45           | 0.610          | 2.86                 | 0.48           | 0.748          | 3.06           | 0.53           |
| 25702 | 17.692             | 40.406 | 1.78           | 2.34               | 0.19           | 0.235          | 2.33               | 0.25           | 0.279          | 2.33                | 0.31           | 0.318          | 2.42                | 0.34           | 0.355          | 2.49                | 0.36           | 0.397          | 2.55                | 0.39           | 0.507          | 2.69                | 0.45           | 0.600          | 2.87                 | 0.47           | 0.733          | 3.06           | 0.52           |
| 25480 | 17.696             | 40.456 | 1.75           | 2.35               | 0.19           | 0.231          | 2.34               | 0.25           | 0.276          | 2.32                | 0.31           | 0.315          | 2.41                | 0.34           | 0.352          | 2.48                | 0.36           | 0.393          | 2.55                | 0.38           | 0.501          | 2.69                | 0.45           | 0.591          | 2.87                 | 0.47           | 0.719          | 3.06           | 0.52           |
| 25258 | 17.699             | 40.506 | 1.72           | 2.36               | 0.16           | 0.228          | 2.35               | 0.24           | 0.272          | 2.32                | 0.31           | 0.312          | 2.40                | 0.34           | 0.349          | 2.48                | 0.36           | 0.390          | 2.54                | 0.38           | 0.495          | 2.68                | 0.44           | 0.584          | 2.85                 | 0.46           | 0.707          | 3.06           | 0.52           |
| 25036 | 17.702             | 40.556 | 1.69           | 2.36               | 0.16           | 0.224          | 2.36               | 0.24           | 0.268          | 2.31                | 0.31           | 0.309          | 2.39                | 0.33           | 0.346          | 2.46                | 0.35           | 0.387          | 2.53                | 0.38           | 0.490          | 2.66                | 0.44           | 0.577          | 2.84                 | 0.46           | 0.697          | 3.04           | 0.52           |
| 24814 |                    |        |                |                    |                |                |                    |                |                |                     |                |                |                     |                |                |                     |                |                |                     |                |                |                     |                |                |                      |                |                |                |                |

| ID    | LON    | LAT    | T <sub>n</sub> =30 |                |                |                  | T <sub>n</sub> =50 |                |                |                  | T <sub>n</sub> =72 |                |                |                  | T <sub>n</sub> =101 |                |                |                  | T <sub>n</sub> =140 |                |                |                  | T <sub>n</sub> =201 |                |                |                  | T <sub>n</sub> =475 |                |                |                  | T <sub>n</sub> =975 |                |                |                  | T <sub>n</sub> =2475 |                |                |                  |
|-------|--------|--------|--------------------|----------------|----------------|------------------|--------------------|----------------|----------------|------------------|--------------------|----------------|----------------|------------------|---------------------|----------------|----------------|------------------|---------------------|----------------|----------------|------------------|---------------------|----------------|----------------|------------------|---------------------|----------------|----------------|------------------|---------------------|----------------|----------------|------------------|----------------------|----------------|----------------|------------------|
|       |        |        | a <sub>q</sub>     | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> ' | a <sub>q</sub>     | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> ' | a <sub>q</sub>     | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> ' | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> ' | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> ' | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> ' | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> ' | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> ' | a <sub>q</sub>       | F <sub>o</sub> | T <sub>c</sub> | T <sub>c</sub> ' |
| 34364 | 17.764 | 40.504 | 0.164              | 2.34           | 0.16           | 0.216            | 2.35               | 0.24           | 0.260          | 2.31             | 0.30               | 0.301          | 2.36           | 0.33             | 0.339               | 2.43           | 0.36           | 0.380            | 2.49                | 0.38           | 0.488          | 2.61             | 0.45                | 0.581          | 2.75           | 0.51             | 0.712               | 2.97           | 0.59           | 0.881            | 2.97                | 0.59           | 1.212          | 2.97             | 0.59                 | 1.898          | 2.97           | 0.59             |
| 34142 | 17.768 | 40.584 | 0.160              | 2.35           | 0.16           | 0.212            | 2.37               | 0.23           | 0.256          | 2.32             | 0.29               | 0.297          | 2.36           | 0.33             | 0.334               | 2.42           | 0.35           | 0.376            | 2.49                | 0.38           | 0.481          | 2.61             | 0.45                | 0.572          | 2.74           | 0.51             | 0.698               | 2.96           | 0.52           | 0.894            | 2.96                | 0.52           | 1.212          | 2.96             | 0.52                 | 1.898          | 2.96           | 0.52             |
| 33920 | 17.771 | 40.604 | 0.158              | 2.36           | 0.16           | 0.207            | 2.38               | 0.23           | 0.251          | 2.32             | 0.29               | 0.292          | 2.35           | 0.33             | 0.329               | 2.42           | 0.35           | 0.370            | 2.48                | 0.37           | 0.474          | 2.61             | 0.44                | 0.562          | 2.77           | 0.46             | 0.684               | 2.96           | 0.52           | 0.894            | 2.96                | 0.52           | 1.212          | 2.96             | 0.52                 | 1.898          | 2.96           | 0.52             |
| 33698 | 17.774 | 40.654 | 0.152              | 2.37           | 0.16           | 0.201            | 2.40               | 0.22           | 0.245          | 2.33             | 0.29               | 0.286          | 2.35           | 0.32             | 0.324               | 2.41           | 0.35           | 0.364            | 2.47                | 0.37           | 0.466          | 2.60             | 0.44                | 0.553          | 2.75           | 0.46             | 0.671               | 2.94           | 0.51           | 0.871            | 2.94                | 0.51           | 1.201          | 2.94             | 0.51                 | 1.871          | 2.94           | 0.51             |
| 33476 | 17.778 | 40.703 | 0.148              | 2.38           | 0.16           | 0.197            | 2.40               | 0.22           | 0.239          | 2.33             | 0.28               | 0.280          | 2.34           | 0.32             | 0.318               | 2.40           | 0.35           | 0.358            | 2.47                | 0.37           | 0.458          | 2.59             | 0.43                | 0.544          | 2.74           | 0.46             | 0.660               | 2.93           | 0.51           | 0.860            | 2.93                | 0.51           | 1.200          | 2.93             | 0.51                 | 1.860          | 2.93           | 0.51             |
| 33254 | 17.781 | 40.753 | 0.144              | 2.39           | 0.15           | 0.192            | 2.39               | 0.22           | 0.239          | 2.34             | 0.28               | 0.274          | 2.34           | 0.32             | 0.312               | 2.39           | 0.34           | 0.352            | 2.46                | 0.36           | 0.451          | 2.58             | 0.43                | 0.544          | 2.73           | 0.45             | 0.649               | 2.91           | 0.51           | 0.859            | 2.91                | 0.51           | 1.199          | 2.91             | 0.51                 | 1.859          | 2.91           | 0.51             |
| 33032 | 17.784 | 40.803 | 0.141              | 2.37           | 0.15           | 0.188            | 2.39               | 0.21           | 0.227          | 2.34             | 0.28               | 0.267          | 2.34           | 0.31             | 0.305               | 2.39           | 0.34           | 0.345            | 2.45                | 0.36           | 0.443          | 2.56             | 0.43                | 0.528          | 2.71           | 0.45             | 0.640               | 2.89           | 0.51           | 0.845            | 2.89                | 0.51           | 1.185          | 2.89             | 0.51                 | 1.845          | 2.89           | 0.51             |
| 32810 | 17.787 | 40.853 | 0.137              | 2.38           | 0.15           | 0.184            | 2.41               | 0.21           | 0.223          | 2.35             | 0.28               | 0.262          | 2.35           | 0.31             | 0.302               | 2.40           | 0.33           | 0.331            | 2.46                | 0.37           | 0.458          | 2.57             | 0.43                | 0.521          | 2.70           | 0.45             | 0.626               | 2.88           | 0.51           | 0.831            | 2.88                | 0.51           | 1.171          | 2.88             | 0.51                 | 1.831          | 2.88           | 0.51             |
| 32588 | 17.790 | 40.903 | 0.134              | 2.39           | 0.15           | 0.180            | 2.43               | 0.21           | 0.218          | 2.36             | 0.28               | 0.257          | 2.36           | 0.30             | 0.297               | 2.41           | 0.33           | 0.321            | 2.48                | 0.38           | 0.466          | 2.57             | 0.43                | 0.514          | 2.69           | 0.45             | 0.604               | 2.87           | 0.51           | 0.816            | 2.87                | 0.51           | 1.157          | 2.87             | 0.51                 | 1.816          | 2.87           | 0.51             |
| 32366 | 17.793 | 40.953 | 0.131              | 2.40           | 0.15           | 0.176            | 2.45               | 0.21           | 0.212          | 2.37             | 0.28               | 0.246          | 2.37           | 0.29             | 0.288               | 2.43           | 0.33           | 0.325            | 2.49                | 0.39           | 0.484          | 2.57             | 0.43                | 0.507          | 2.69           | 0.45             | 0.582               | 2.86           | 0.51           | 0.801            | 2.86                | 0.51           | 1.143          | 2.86             | 0.51                 | 1.801          | 2.86           | 0.51             |
| 32144 | 17.796 | 41.003 | 0.128              | 2.41           | 0.15           | 0.172            | 2.47               | 0.21           | 0.207          | 2.38             | 0.28               | 0.240          | 2.38           | 0.29             | 0.282               | 2.45           | 0.33           | 0.319            | 2.51                | 0.40           | 0.492          | 2.57             | 0.43                | 0.495          | 2.69           | 0.45             | 0.559               | 2.85           | 0.51           | 0.786            | 2.85                | 0.51           | 1.129          | 2.85             | 0.51                 | 1.786          | 2.85           | 0.51             |
| 31922 | 17.799 | 41.053 | 0.125              | 2.42           | 0.15           | 0.168            | 2.51               | 0.21           | 0.202          | 2.39             | 0.28               | 0.233          | 2.39           | 0.29             | 0.282               | 2.48           | 0.33           | 0.303            | 2.54                | 0.42           | 0.480          | 2.57             | 0.43                | 0.483          | 2.69           | 0.45             | 0.517               | 2.84           | 0.51           | 0.772            | 2.84                | 0.51           | 1.115          | 2.84             | 0.51                 | 1.772          | 2.84           | 0.51             |
| 31700 | 17.802 | 41.103 | 0.122              | 2.43           | 0.15           | 0.164            | 2.55               | 0.21           | 0.196          | 2.40             | 0.28               | 0.226          | 2.40           | 0.29             | 0.274               | 2.49           | 0.33           | 0.283            | 2.59                | 0.42           | 0.454          | 2.57             | 0.43                | 0.476          | 2.69           | 0.45             | 0.491               | 2.83           | 0.51           | 0.758            | 2.83                | 0.51           | 1.101          | 2.83             | 0.51                 | 1.758          | 2.83           | 0.51             |
| 31478 | 17.805 | 41.153 | 0.119              | 2.44           | 0.15           | 0.160            | 2.59               | 0.21           | 0.190          | 2.41             | 0.28               | 0.220          | 2.41           | 0.29             | 0.262               | 2.50           | 0.33           | 0.273            | 2.61                | 0.42           | 0.427          | 2.57             | 0.43                | 0.469          | 2.69           | 0.45             | 0.456               | 2.82           | 0.51           | 0.744            | 2.82                | 0.51           | 1.087          | 2.82             | 0.51                 | 1.744          | 2.82           | 0.51             |
| 31256 | 17.808 | 41.203 | 0.116              | 2.45           | 0.15           | 0.156            | 2.63               | 0.21           | 0.184          | 2.42             | 0.28               | 0.214          | 2.42           | 0.29             | 0.244               | 2.51           | 0.33           | 0.253            | 2.62                | 0.42           | 0.400          | 2.57             | 0.43                | 0.462          | 2.69           | 0.45             | 0.433               | 2.81           | 0.51           | 0.730            | 2.81                | 0.51           | 1.073          | 2.81             | 0.51                 | 1.730          | 2.81           | 0.51             |
| 31034 | 17.811 | 41.253 | 0.113              | 2.46           | 0.15           | 0.152            | 2.67               | 0.21           | 0.180          | 2.43             | 0.28               | 0.208          | 2.43           | 0.29             | 0.238               | 2.52           | 0.33           | 0.237            | 2.63                | 0.42           | 0.383          | 2.57             | 0.43                | 0.455          | 2.69           | 0.45             | 0.406               | 2.80           | 0.51           | 0.716            | 2.80                | 0.51           | 1.059          | 2.80             | 0.51                 | 1.716          | 2.80           | 0.51             |
| 30812 | 17.814 | 41.303 | 0.110              | 2.47           | 0.15           | 0.148            | 2.71               | 0.21           | 0.176          | 2.44             | 0.28               | 0.202          | 2.44           | 0.29             | 0.232               | 2.53           | 0.33           | 0.225            | 2.64                | 0.42           | 0.367          | 2.57             | 0.43                | 0.448          | 2.69           | 0.45             | 0.389               | 2.79           | 0.51           | 0.702            | 2.79                | 0.51           | 1.045          | 2.79             | 0.51                 | 1.702          | 2.79           | 0.51             |
| 30590 | 17.817 | 41.353 | 0.107              | 2.48           | 0.15           | 0.144            | 2.75               | 0.21           | 0.172          | 2.45             | 0.28               | 0.196          | 2.45           | 0.29             | 0.226               | 2.54           | 0.33           | 0.219            | 2.65                | 0.42           | 0.350          | 2.57             | 0.43                | 0.441          | 2.69           | 0.45             | 0.372               | 2.78           | 0.51           | 0.688            | 2.78                | 0.51           | 1.031          | 2.78             | 0.51                 | 1.688          | 2.78           | 0.51             |
| 30368 | 17.820 | 41.403 | 0.104              | 2.49           | 0.15           | 0.140            | 2.79               | 0.21           | 0.168          | 2.46             | 0.28               | 0.190          | 2.46           | 0.29             | 0.220               | 2.55           | 0.33           | 0.215            | 2.66                | 0.42           | 0.333          | 2.57             | 0.43                | 0.434          | 2.69           | 0.45             | 0.355               | 2.77           | 0.51           | 0.674            | 2.77                | 0.51           | 1.017          | 2.77             | 0.51                 | 1.674          | 2.77           | 0.51             |
| 30146 | 17.823 | 41.453 | 0.101              | 2.50           | 0.15           | 0.136            | 2.83               | 0.21           | 0.164          | 2.47             | 0.28               | 0.184          | 2.47           | 0.29             | 0.214               | 2.56           | 0.33           | 0.209            | 2.67                | 0.42           | 0.316          | 2.57             | 0.43                | 0.427          | 2.69           | 0.45             | 0.338               | 2.76           | 0.51           | 0.660            | 2.76                | 0.51           | 1.003          | 2.76             | 0.51                 | 1.660          | 2.76           | 0.51             |
| 29924 | 17.826 | 41.503 | 0.098              | 2.51           | 0.15           | 0.132            | 2.87               | 0.21           | 0.160          | 2.48             | 0.28               | 0.178          | 2.48           | 0.29             | 0.208               | 2.57           | 0.33           | 0.203            | 2.68                | 0.42           | 0.299          | 2.57             | 0.43                | 0.420          | 2.69           | 0.45             | 0.321               | 2.75           | 0.51           | 0.646            | 2.75                | 0.51           | 0.989          | 2.75             | 0.51                 | 1.546          | 2.75           | 0.51             |
| 29702 | 17.829 | 41.553 | 0.095              | 2.52           | 0.15           | 0.128            | 2.91               | 0.21           | 0.156          | 2.49             | 0.28               | 0.174          | 2.49           | 0.29             | 0.204               | 2.58           | 0.33           | 0.199            | 2.69                | 0.42           | 0.282          | 2.57             | 0.43                | 0.413          | 2.69           | 0.45             | 0.304               | 2.74           | 0.51           | 0.632            | 2.74                | 0.51           | 0.975          | 2.74             | 0.51                 | 1.532          | 2.74           | 0.51             |
| 29480 | 17.832 | 41.603 | 0.092              | 2.53           | 0.15           | 0.124            | 2.95               | 0.21           | 0.152          | 2.50             | 0.28               | 0.170          | 2.50           | 0.29             | 0.198               | 2.59           | 0.33           | 0.195            | 2.70                | 0.42           | 0.265          | 2.57             | 0.43                | 0.406          | 2.69           | 0.45             | 0.287               | 2.73           | 0.51           | 0.618            | 2.73                | 0.51           | 0.961          | 2.73             | 0.51                 | 1.518          | 2.73           | 0.51             |
| 29258 | 17.835 | 41.653 | 0.089              | 2.54           | 0.15           | 0.120            | 2.99               | 0.21           | 0.148          | 2.51             | 0.28               | 0.166          | 2.51           | 0.29             | 0.194               | 2.60           | 0.33           | 0.191            | 2.71                | 0.42           | 0.248          | 2.57             | 0.43                | 0.399          | 2.69           | 0.45             | 0.270               | 2.72           | 0.51           | 0.604            | 2.72                | 0.51           | 0.947          | 2.72             | 0.51                 | 1.504          | 2.72           | 0.51             |
| 29036 | 17.838 | 41.703 | 0.086              | 2.55           | 0.15           | 0.116            | 3.03               | 0.21           | 0.144          | 2.52             | 0.28               | 0.162          | 2.52           | 0.29             | 0.190               | 2.61           | 0.33           | 0.187            | 2.72                | 0.42           | 0.231          | 2.57             | 0.43                | 0.392          | 2.69           | 0.45             | 0.253               | 2.71           | 0.51           | 0.590            | 2.71                | 0.51           | 0.933          | 2.71             | 0.51                 | 1.490          | 2.71           | 0.51             |
| 28814 | 17.841 | 41.753 | 0.083              | 2.56           | 0.15           | 0.112            | 3.07               | 0.21           | 0.140          | 2.53             | 0.28               | 0.158          | 2.53           | 0.29             | 0.186               | 2.62           | 0.33           | 0.184            | 2.73                | 0.42           | 0.214          | 2.57             | 0.43                | 0.385          | 2.69           | 0.45             | 0.236               | 2.70           | 0.51           | 0.576            | 2.70                | 0.51           | 0.919          | 2.70             | 0.51                 | 1.476          | 2.70           | 0.51             |
| 28592 | 17.844 | 41.803 | 0.080              | 2.57           | 0.15           | 0.108            | 3.11               | 0.21           | 0.136          | 2.54             | 0.28               | 0.154          | 2.54           | 0.29             | 0.182               | 2.63           | 0.33           | 0.181            | 2.74                | 0.42           | 0.197          | 2.57             | 0.43                | 0.378          | 2.69           | 0.45             | 0.219               | 2.69           | 0.51           | 0.562            | 2.69                | 0.51           | 0.905          | 2.69             | 0.51                 | 1.462          | 2.69           | 0.51             |
| 28370 | 17.847 | 41.853 | 0.077              | 2.58           | 0.15           | 0.104            | 3.15               | 0.21           | 0.132          | 2.55             | 0.28               | 0.150          | 2.55           | 0.29             | 0.178               | 2.64           | 0.33           | 0.179            | 2.75                | 0.42           | 0.180          | 2.57             | 0.43                | 0.371          | 2.69           | 0.45             | 0.202               | 2.68           | 0.51           | 0.548            | 2.68                | 0.51           | 0.891          | 2.68             | 0.51                 | 1.448          | 2.68           | 0.51             |
| 28148 | 17.850 | 41.903 | 0.074              | 2.59           | 0.15           | 0.100            | 3.19               | 0.21           | 0.128          | 2.56             | 0.28               | 0.146          | 2.56           | 0.29             | 0.174               | 2.65           | 0.33           | 0.176            | 2.76                | 0.42           | 0.163          | 2.57             | 0.43                | 0.364          | 2.69           | 0.45             | 0.185               | 2.67           | 0.51           | 0.534            | 2.67                | 0.51           | 0.877          | 2.67             | 0.51                 | 1.434          | 2.67           | 0.51             |
| 27926 | 17.853 | 41.953 | 0.071              | 2.60           | 0.15           | 0.096            | 3.23               | 0.21           | 0.124          | 2.57             | 0.28               | 0.142          | 2.57           | 0.29             | 0.170               | 2.66           | 0.33           | 0.173            | 2.77                | 0.42           | 0.146          | 2.57             | 0.43                | 0.357          | 2.69           | 0.45             | 0.168               | 2.66           | 0.51           | 0.520            | 2.66                | 0.51           | 0.863          | 2.66             | 0.51                 | 1.420          | 2.66           | 0.51             |
| 27704 | 17.856 | 42.003 | 0.068              | 2.61           | 0.15           | 0.092            | 3.27               | 0.21           | 0.120          | 2.58             | 0.28               | 0.138          | 2.58           | 0.29             | 0.166               | 2.67           | 0.33           | 0.171            | 2.78                | 0.42           | 0.129          | 2.57             | 0.43                | 0.350          | 2.69           | 0.45             | 0.151               | 2.65           | 0.51           | 0.506            | 2.65                | 0.51           | 0.849          | 2.65             | 0.51                 | 1.406          | 2.65           | 0.51             |
| 27482 | 17.859 | 42.053 | 0.065              | 2.62           | 0.15           | 0.088            | 3.31               | 0.21           | 0.116          | 2.59             | 0.28               | 0.134          | 2.59           |                  |                     |                |                |                  |                     |                |                |                  |                     |                |                |                  |                     |                |                |                  |                     |                |                |                  |                      |                |                |                  |



| ID    | T <sub>n</sub> =30 |        |                |                | T <sub>n</sub> =50 |                |                |                | T <sub>n</sub> =72 |                |                |                | T <sub>n</sub> =101 |                |                |                | T <sub>n</sub> =140 |                |                |                | T <sub>n</sub> =201 |                |                |                | T <sub>n</sub> =475 |                |                |                | T <sub>n</sub> =975 |                |                |                | T <sub>n</sub> =2475 |  |  |  |
|-------|--------------------|--------|----------------|----------------|--------------------|----------------|----------------|----------------|--------------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|----------------------|--|--|--|
|       | LON                | LAT    | Δ <sub>y</sub> | F <sub>o</sub> | T <sub>c</sub>     | Δ <sub>y</sub> | F <sub>o</sub> | T <sub>c</sub> | Δ <sub>y</sub>     | F <sub>o</sub> | T <sub>c</sub> | Δ <sub>y</sub> | F <sub>o</sub>      | T <sub>c</sub> | Δ <sub>y</sub> | F <sub>o</sub> | T <sub>c</sub>      | Δ <sub>y</sub> | F <sub>o</sub> | T <sub>c</sub> | Δ <sub>y</sub>      | F <sub>o</sub> | T <sub>c</sub> | Δ <sub>y</sub> | F <sub>o</sub>      | T <sub>c</sub> | Δ <sub>y</sub> | F <sub>o</sub> | T <sub>c</sub>      | Δ <sub>y</sub> | F <sub>o</sub> | T <sub>c</sub> |                      |  |  |  |
| 33257 | 17.979             | 40.746 | 0.113          | 2.36           | 0.14               | 0.160          | 2.31           | 0.29           | 0.230              | 2.31           | 0.29           | 0.268          | 2.36                | 0.32           | 0.309          | 2.42           | 0.35                | 0.408          | 2.55           | 0.43           | 0.505               | 2.65           | 0.47           | 0.630          | 2.84                | 0.52           | 0.779          | 2.99           | 0.58                | 0.906          | 2.79           | 0.58           |                      |  |  |  |
| 37032 | 17.985             | 39.894 | 0.168          | 2.35           | 0.16               | 0.226          | 2.33           | 0.24           | 0.273              | 2.34           | 0.30           | 0.317          | 2.40                | 0.33           | 0.360          | 2.47           | 0.36                | 0.409          | 2.49           | 0.41           | 0.556               | 2.55           | 0.51           | 0.698          | 2.65                | 0.54           | 0.906          | 2.79           | 0.58                | 0.906          | 2.79           | 0.58           |                      |  |  |  |
| 36810 | 17.989             | 39.944 | 0.166          | 2.36           | 0.16               | 0.223          | 2.34           | 0.24           | 0.270              | 2.34           | 0.30           | 0.314          | 2.39                | 0.33           | 0.356          | 2.46           | 0.36                | 0.404          | 2.48           | 0.41           | 0.552               | 2.53           | 0.51           | 0.692          | 2.64                | 0.54           | 0.899          | 2.76           | 0.58                | 0.899          | 2.76           | 0.58           |                      |  |  |  |
| 36588 | 17.992             | 39.994 | 0.164          | 2.36           | 0.16               | 0.220          | 2.34           | 0.24           | 0.266              | 2.33           | 0.29           | 0.310          | 2.38                | 0.33           | 0.352          | 2.45           | 0.36                | 0.399          | 2.48           | 0.41           | 0.545               | 2.52           | 0.52           | 0.684          | 2.63                | 0.55           | 0.888          | 2.76           | 0.58                | 0.888          | 2.76           | 0.58           |                      |  |  |  |
| 36365 | 17.996             | 40.044 | 0.161          | 2.37           | 0.16               | 0.216          | 2.35           | 0.23           | 0.262              | 2.32           | 0.29           | 0.306          | 2.37                | 0.33           | 0.348          | 2.42           | 0.36                | 0.394          | 2.46           | 0.41           | 0.538               | 2.51           | 0.52           | 0.674          | 2.62                | 0.55           | 0.874          | 2.76           | 0.58                | 0.874          | 2.76           | 0.58           |                      |  |  |  |
| 36144 | 17.999             | 40.094 | 0.158          | 2.37           | 0.16               | 0.212          | 2.36           | 0.23           | 0.258              | 2.31           | 0.29           | 0.301          | 2.36                | 0.33           | 0.343          | 2.42           | 0.36                | 0.389          | 2.45           | 0.41           | 0.531               | 2.50           | 0.52           | 0.662          | 2.62                | 0.55           | 0.857          | 2.76           | 0.58                | 0.857          | 2.76           | 0.58           |                      |  |  |  |
| 35922 | 18.003             | 40.144 | 0.155          | 2.37           | 0.16               | 0.208          | 2.36           | 0.23           | 0.254              | 2.30           | 0.29           | 0.297          | 2.35                | 0.33           | 0.338          | 2.40           | 0.36                | 0.384          | 2.47           | 0.39           | 0.522               | 2.48           | 0.53           | 0.650          | 2.61                | 0.56           | 0.839          | 2.76           | 0.58                | 0.839          | 2.76           | 0.58           |                      |  |  |  |
| 35700 | 18.006             | 40.194 | 0.152          | 2.37           | 0.16               | 0.203          | 2.37           | 0.23           | 0.249              | 2.29           | 0.29           | 0.292          | 2.34                | 0.33           | 0.333          | 2.39           | 0.36                | 0.379          | 2.45           | 0.39           | 0.515               | 2.46           | 0.53           | 0.639          | 2.60                | 0.56           | 0.822          | 2.75           | 0.58                | 0.822          | 2.75           | 0.58           |                      |  |  |  |
| 35478 | 18.01              | 40.244 | 0.149          | 2.37           | 0.16               | 0.199          | 2.37           | 0.23           | 0.244              | 2.28           | 0.29           | 0.287          | 2.32                | 0.33           | 0.329          | 2.38           | 0.36                | 0.375          | 2.43           | 0.38           | 0.508               | 2.44           | 0.52           | 0.630          | 2.58                | 0.56           | 0.808          | 2.74           | 0.58                | 0.808          | 2.74           | 0.58           |                      |  |  |  |
| 35256 | 18.013             | 40.294 | 0.146          | 2.37           | 0.16               | 0.195          | 2.37           | 0.22           | 0.240              | 2.28           | 0.29           | 0.283          | 2.31                | 0.33           | 0.324          | 2.36           | 0.36                | 0.369          | 2.41           | 0.38           | 0.501               | 2.42           | 0.52           | 0.621          | 2.56                | 0.56           | 0.795          | 2.71           | 0.58                | 0.795          | 2.71           | 0.58           |                      |  |  |  |
| 35034 | 18.017             | 40.344 | 0.142          | 2.37           | 0.16               | 0.191          | 2.36           | 0.21           | 0.235              | 2.28           | 0.28           | 0.277          | 2.29                | 0.33           | 0.317          | 2.35           | 0.36                | 0.361          | 2.41           | 0.38           | 0.492               | 2.41           | 0.51           | 0.613          | 2.53                | 0.55           | 0.784          | 2.69           | 0.58                | 0.784          | 2.69           | 0.58           |                      |  |  |  |
| 34812 | 18.02              | 40.394 | 0.138          | 2.37           | 0.15               | 0.187          | 2.36           | 0.21           | 0.229              | 2.28           | 0.28           | 0.270          | 2.29                | 0.32           | 0.309          | 2.36           | 0.35                | 0.353          | 2.42           | 0.38           | 0.481               | 2.42           | 0.51           | 0.599          | 2.53                | 0.55           | 0.773          | 2.66           | 0.58                | 0.773          | 2.66           | 0.58           |                      |  |  |  |
| 34590 | 18.024             | 40.443 | 0.133          | 2.37           | 0.15               | 0.182          | 2.29           | 0.20           | 0.223              | 2.29           | 0.25           | 0.263          | 2.28                | 0.32           | 0.302          | 2.35           | 0.35                | 0.345          | 2.41           | 0.38           | 0.472               | 2.44           | 0.47           | 0.590          | 2.51                | 0.54           | 0.761          | 2.65           | 0.57                | 0.761          | 2.65           | 0.57           |                      |  |  |  |
| 34368 | 18.027             | 40.493 | 0.128          | 2.37           | 0.15               | 0.177          | 2.29           | 0.20           | 0.216              | 2.30           | 0.24           | 0.256          | 2.28                | 0.32           | 0.294          | 2.35           | 0.34                | 0.338          | 2.41           | 0.37           | 0.462               | 2.44           | 0.46           | 0.574          | 2.53                | 0.53           | 0.744          | 2.66           | 0.56                | 0.744          | 2.66           | 0.56           |                      |  |  |  |
| 34146 | 18.031             | 40.543 | 0.123          | 2.38           | 0.15               | 0.172          | 2.30           | 0.19           | 0.209              | 2.32           | 0.24           | 0.249          | 2.27                | 0.31           | 0.286          | 2.35           | 0.34                | 0.339          | 2.41           | 0.37           | 0.449               | 2.46           | 0.46           | 0.559          | 2.54                | 0.53           | 0.724          | 2.68           | 0.55                | 0.724          | 2.68           | 0.55           |                      |  |  |  |
| 33924 | 18.034             | 40.593 | 0.118          | 2.39           | 0.15               | 0.166          | 2.31           | 0.16           | 0.201              | 2.34           | 0.23           | 0.241          | 2.27                | 0.30           | 0.278          | 2.35           | 0.33                | 0.319          | 2.42           | 0.37           | 0.435               | 2.49           | 0.45           | 0.544          | 2.55                | 0.52           | 0.702          | 2.71           | 0.55                | 0.702          | 2.71           | 0.55           |                      |  |  |  |
| 33702 | 18.038             | 40.643 | 0.111          | 2.39           | 0.14               | 0.159          | 2.32           | 0.16           | 0.194              | 2.35           | 0.22           | 0.232          | 2.29                | 0.29           | 0.269          | 2.34           | 0.33                | 0.310          | 2.42           | 0.36           | 0.418               | 2.53           | 0.44           | 0.528          | 2.57                | 0.51           | 0.679          | 2.74           | 0.54                | 0.679          | 2.74           | 0.54           |                      |  |  |  |
| 33480 | 18.041             | 40.693 | 0.105          | 2.64           | 0.10               | 0.153          | 2.32           | 0.16           | 0.187              | 2.35           | 0.21           | 0.224          | 2.31                | 0.28           | 0.260          | 2.33           | 0.32                | 0.301          | 2.42           | 0.35           | 0.401               | 2.57           | 0.43           | 0.508          | 2.60                | 0.51           | 0.652          | 2.78           | 0.53                | 0.652          | 2.78           | 0.53           |                      |  |  |  |
| 37255 | 18.047             | 39.842 | 0.166          | 2.37           | 0.16               | 0.224          | 2.35           | 0.23           | 0.272              | 2.34           | 0.29           | 0.317          | 2.39                | 0.33           | 0.360          | 2.47           | 0.35                | 0.411          | 2.48           | 0.40           | 0.568               | 2.52           | 0.50           | 0.726          | 2.59                | 0.53           | 0.971          | 2.71           | 0.56                | 0.971          | 2.71           | 0.56           |                      |  |  |  |
| 37033 | 18.05              | 39.892 | 0.165          | 2.38           | 0.16               | 0.222          | 2.35           | 0.23           | 0.270              | 2.34           | 0.29           | 0.314          | 2.39                | 0.33           | 0.358          | 2.46           | 0.35                | 0.408          | 2.48           | 0.40           | 0.565               | 2.50           | 0.50           | 0.724          | 2.58                | 0.54           | 0.964          | 2.71           | 0.56                | 0.964          | 2.71           | 0.56           |                      |  |  |  |
| 36811 | 18.054             | 39.942 | 0.163          | 2.38           | 0.16               | 0.219          | 2.36           | 0.23           | 0.267              | 2.34           | 0.29           | 0.311          | 2.38                | 0.32           | 0.355          | 2.45           | 0.35                | 0.403          | 2.47           | 0.40           | 0.561               | 2.49           | 0.51           | 0.718          | 2.57                | 0.54           | 0.953          | 2.71           | 0.57                | 0.953          | 2.71           | 0.57           |                      |  |  |  |
| 36589 | 18.057             | 39.991 | 0.161          | 2.38           | 0.16               | 0.215          | 2.36           | 0.23           | 0.263              | 2.33           | 0.29           | 0.308          | 2.37                | 0.32           | 0.351          | 2.44           | 0.35                | 0.399          | 2.46           | 0.40           | 0.555               | 2.48           | 0.51           | 0.710          | 2.56                | 0.54           | 0.941          | 2.69           | 0.57                | 0.941          | 2.69           | 0.57           |                      |  |  |  |
| 36367 | 18.061             | 40.041 | 0.158          | 2.38           | 0.16               | 0.211          | 2.37           | 0.23           | 0.259              | 2.32           | 0.29           | 0.303          | 2.35                | 0.32           | 0.346          | 2.42           | 0.35                | 0.394          | 2.49           | 0.38           | 0.548               | 2.46           | 0.51           | 0.699          | 2.55                | 0.55           | 0.926          | 2.67           | 0.58                | 0.926          | 2.67           | 0.58           |                      |  |  |  |
| 36145 | 18.064             | 40.091 | 0.155          | 2.38           | 0.16               | 0.207          | 2.37           | 0.23           | 0.254              | 2.31           | 0.29           | 0.299          | 2.34                | 0.32           | 0.341          | 2.40           | 0.35                | 0.389          | 2.47           | 0.38           | 0.540               | 2.45           | 0.51           | 0.687          | 2.54                | 0.55           | 0.908          | 2.66           | 0.59                | 0.908          | 2.66           | 0.59           |                      |  |  |  |
| 35923 | 18.068             | 40.141 | 0.152          | 2.38           | 0.16               | 0.202          | 2.38           | 0.22           | 0.250              | 2.30           | 0.29           | 0.294          | 2.33                | 0.32           | 0.336          | 2.39           | 0.35                | 0.383          | 2.45           | 0.38           | 0.531               | 2.43           | 0.52           | 0.673          | 2.54                | 0.55           | 0.888          | 2.66           | 0.59                | 0.888          | 2.66           | 0.59           |                      |  |  |  |
| 35701 | 18.071             | 40.191 | 0.149          | 2.38           | 0.16               | 0.198          | 2.38           | 0.22           | 0.244              | 2.29           | 0.28           | 0.288          | 2.32                | 0.32           | 0.331          | 2.37           | 0.35                | 0.378          | 2.43           | 0.38           | 0.521               | 2.41           | 0.52           | 0.659          | 2.53                | 0.55           | 0.865          | 2.66           | 0.59                | 0.865          | 2.66           | 0.59           |                      |  |  |  |
| 35479 | 18.075             | 40.241 | 0.145          | 2.39           | 0.16               | 0.194          | 2.38           | 0.22           | 0.240              | 2.29           | 0.28           | 0.282          | 2.31                | 0.32           | 0.325          | 2.35           | 0.35                | 0.372          | 2.41           | 0.37           | 0.511               | 2.39           | 0.52           | 0.644          | 2.52                | 0.56           | 0.843          | 2.66           | 0.59                | 0.843          | 2.66           | 0.59           |                      |  |  |  |
| 35257 | 18.078             | 40.291 | 0.141          | 2.39           | 0.16               | 0.189          | 2.38           | 0.21           | 0.232              | 2.29           | 0.28           | 0.276          | 2.29                | 0.32           | 0.318          | 2.34           | 0.35                | 0.364          | 2.40           | 0.37           | 0.502               | 2.38           | 0.52           | 0.631          | 2.50                | 0.56           | 0.822          | 2.65           | 0.60                | 0.822          | 2.65           | 0.60           |                      |  |  |  |
| 35035 | 18.082             | 40.341 | 0.136          | 2.40           | 0.15               | 0.184          | 2.38           | 0.21           | 0.228              | 2.30           | 0.25           | 0.269          | 2.28                | 0.32           | 0.311          | 2.33           | 0.35                | 0.355          | 2.40           | 0.37           | 0.488               | 2.39           | 0.52           | 0.618          | 2.49                | 0.56           | 0.802          | 2.64           | 0.60                | 0.802          | 2.64           | 0.60           |                      |  |  |  |
| 34813 | 18.086             | 40.391 | 0.130          | 2.40           | 0.15               | 0.178          | 2.38           | 0.20           | 0.218              | 2.32           | 0.24           | 0.262          | 2.27                | 0.31           | 0.302          | 2.33           | 0.34                | 0.346          | 2.40           | 0.37           | 0.476               | 2.39           | 0.51           | 0.601          | 2.49                | 0.56           | 0.785          | 2.62           | 0.59                | 0.785          | 2.62           | 0.59           |                      |  |  |  |
| 34591 | 18.089             | 40.441 | 0.125          | 2.41           | 0.15               | 0.173          | 2.32           | 0.20           | 0.210              | 2.33           | 0.24           | 0.254          | 2.25                | 0.31           | 0.293          | 2.33           | 0.34                | 0.338          | 2.40           | 0.37           | 0.465               | 2.39           | 0.51           | 0.585          | 2.49                | 0.55           | 0.767          | 2.61           | 0.58                | 0.767          | 2.61           | 0.58           |                      |  |  |  |
| 34369 | 18.093             | 40.491 | 0.119          | 2.42           | 0.15               | 0.167          | 2.33           | 0.17           | 0.202              | 2.35           | 0.22           | 0.246          | 2.25                | 0.30           | 0.284          | 2.32           | 0.34                | 0.327          | 2.39           | 0.37           | 0.449               | 2.44           | 0.46           | 0.566          | 2.52                | 0.54           | 0.746          | 2.63           | 0.57                | 0.746          | 2.63           | 0.57           |                      |  |  |  |
| 34147 | 18.096             | 40.541 | 0.113          | 2.42           | 0.15               | 0.160          | 2.33           | 0.16           | 0.195              | 2.36           | 0.22           | 0.237          | 2.27                | 0.29           | 0.275          | 2.32           | 0.33                | 0.317          | 2.40           | 0.36           | 0.433               | 2.47           | 0.46           | 0.529          | 2.57                | 0.53           | 0.689          | 2.72           | 0.55                | 0.689          | 2.72           | 0.55           |                      |  |  |  |
| 33925 | 18.1               | 40.591 | 0.105          | 2.68           | 0.10               | 0.153          | 2.34           | 0.16           | 0.188              | 2.36           | 0.22           | 0.227          | 2.29                | 0.28           | 0.265          | 2.31           | 0.33                | 0.306          | 2.40           | 0.36           | 0.418               | 2.50           | 0.45           | 0.529          | 2.57                | 0.53           | 0.689          | 2.72           | 0.55                | 0.689          | 2.72           | 0.55           |                      |  |  |  |
| 33703 | 18.103             | 40.641 | 0.099          | 2.67           | 0.10               | 0.147          | 2.34           | 0.16           | 0.181              | 2.36           | 0.21           | 0.217          | 2.31                | 0.25           | 0.255          | 2.31           | 0.32                | 0.296          | 2.40           | 0.35           | 0.402               | 2.53           | 0.44           | 0.510          | 2.59                | 0.52           | 0.662          | 2.77           | 0.54                | 0.662          | 2.77           | 0.54           |                      |  |  |  |
| 33481 | 18.107             | 40.691 | 0.091          | 2.66           | 0.10               | 0.140          | 2.33           | 0.16           | 0.174              | 2.29           | 0.20           | 0.208          | 2.33                | 0.24           | 0.245          | 2.30           | 0.31                | 0.286          | 2.40           | 0.34           | 0.391               | 2.53           | 0.43           | 0.494          | 2.61                | 0.51           | 0.639          | 2.80           | 0.53                | 0.639          | 2.80           | 0.53           |                      |  |  |  |
| 33258 | 18.11              | 40.741 | 0.085          | 2.66           | 0.10               | 0.134          | 2.33           | 0.16           | 0.168              | 2.32           | 0.20           | 0.202          | 2.33                | 0.24           | 0.242          | 2.30           | 0.31                | 0.286          | 2.40           | 0.34           | 0.391               | 2.53           | 0.43           | 0.494          | 2.61                | 0.51           | 0.639          | 2.80           | 0.53                | 0.639          | 2.80           | 0.53           |                      |  |  |  |
| 37256 | 18.112             | 39.839 | 0.165          | 2.39           | 0.16               | 0.223          | 2.36           | 0.23           | 0.270              | 2.35           | 0.28           | 0.315          | 2.39                | 0.32           |                |                |                     |                |                |                |                     |                |                |                |                     |                |                |                |                     |                |                |                |                      |  |  |  |

| ID    | LON    | LAT    | T <sub>n</sub> =30 |                |                  | T <sub>n</sub> =50 |                |                  | T <sub>n</sub> =72 |                |                  | T <sub>n</sub> =101 |                |                  | T <sub>n</sub> =140 |                |                  | T <sub>n</sub> =201 |                |                  | T <sub>n</sub> =475 |                |                  | T <sub>n</sub> =975 |                |                  | T <sub>n</sub> =2475 |                |                  |
|-------|--------|--------|--------------------|----------------|------------------|--------------------|----------------|------------------|--------------------|----------------|------------------|---------------------|----------------|------------------|---------------------|----------------|------------------|---------------------|----------------|------------------|---------------------|----------------|------------------|---------------------|----------------|------------------|----------------------|----------------|------------------|
|       |        |        | a <sub>q</sub>     | F <sub>o</sub> | T <sub>c</sub> ' | a <sub>q</sub>     | F <sub>o</sub> | T <sub>c</sub> ' | a <sub>q</sub>     | F <sub>o</sub> | T <sub>c</sub> ' | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> ' | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> ' | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> ' | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> ' | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> ' | a <sub>q</sub>       | F <sub>o</sub> | T <sub>c</sub> ' |
| 34148 | 18.162 | 40.538 | 0.103              | 2.74           | 0.10             | 0.149              | 2.37           | 0.16             | 0.184              | 2.38           | 0.20             | 0.222               | 2.31           | 0.25             | 0.263               | 2.29           | 0.32             | 0.305               | 2.38           | 0.35             | 0.418               | 2.48           | 0.46             | 0.537               | 2.54           | 0.54             | 0.714                | 2.66           | 0.58             |
| 33926 | 18.165 | 40.588 | 0.094              | 2.74           | 0.10             | 0.142              | 2.37           | 0.16             | 0.176              | 2.38           | 0.21             | 0.212               | 2.33           | 0.24             | 0.253               | 2.28           | 0.31             | 0.294               | 2.38           | 0.35             | 0.400               | 2.52           | 0.45             | 0.515               | 2.58           | 0.54             | 0.680                | 2.72           | 0.56             |
| 37479 | 18.173 | 39.786 | 0.165              | 2.39           | 0.16             | 0.222              | 2.38           | 0.22             | 0.227              | 2.37           | 0.27             | 0.316               | 2.39           | 0.31             | 0.360               | 2.49           | 0.34             | 0.413               | 2.54           | 0.37             | 0.599               | 2.64           | 0.42             | 0.790               | 2.71           | 0.46             | 1.102                | 2.75           | 0.54             |
| 37257 | 18.177 | 39.836 | 0.164              | 2.39           | 0.16             | 0.221              | 2.38           | 0.22             | 0.269              | 2.36           | 0.27             | 0.315               | 2.39           | 0.31             | 0.359               | 2.48           | 0.34             | 0.412               | 2.55           | 0.37             | 0.597               | 2.64           | 0.42             | 0.793               | 2.69           | 0.47             | 1.107                | 2.74           | 0.54             |
| 37035 | 18.18  | 39.886 | 0.163              | 2.40           | 0.16             | 0.218              | 2.38           | 0.22             | 0.267              | 2.36           | 0.27             | 0.313               | 2.38           | 0.31             | 0.357               | 2.47           | 0.34             | 0.409               | 2.54           | 0.37             | 0.593               | 2.64           | 0.42             | 0.793               | 2.68           | 0.47             | 1.105                | 2.73           | 0.54             |
| 36813 | 18.184 | 39.986 | 0.161              | 2.40           | 0.16             | 0.215              | 2.39           | 0.22             | 0.267              | 2.35           | 0.27             | 0.310               | 2.37           | 0.31             | 0.354               | 2.46           | 0.34             | 0.405               | 2.54           | 0.37             | 0.588               | 2.63           | 0.42             | 0.788               | 2.66           | 0.47             | 1.096                | 2.72           | 0.54             |
| 36591 | 18.188 | 39.986 | 0.158              | 2.40           | 0.16             | 0.211              | 2.39           | 0.22             | 0.260              | 2.34           | 0.27             | 0.306               | 2.36           | 0.31             | 0.351               | 2.44           | 0.34             | 0.400               | 2.53           | 0.37             | 0.580               | 2.61           | 0.42             | 0.780               | 2.64           | 0.46             | 1.091                | 2.71           | 0.54             |
| 36369 | 18.191 | 40.036 | 0.155              | 2.40           | 0.16             | 0.206              | 2.40           | 0.21             | 0.256              | 2.34           | 0.27             | 0.302               | 2.35           | 0.30             | 0.346               | 2.42           | 0.33             | 0.395               | 2.50           | 0.37             | 0.570               | 2.58           | 0.43             | 0.767               | 2.62           | 0.46             | 1.060                | 2.71           | 0.54             |
| 36147 | 18.195 | 40.086 | 0.151              | 2.40           | 0.16             | 0.200              | 2.42           | 0.21             | 0.250              | 2.33           | 0.26             | 0.296               | 2.34           | 0.29             | 0.340               | 2.40           | 0.33             | 0.390               | 2.48           | 0.37             | 0.561               | 2.53           | 0.43             | 0.751               | 2.57           | 0.51             | 1.034                | 2.71           | 0.55             |
| 35925 | 18.198 | 40.136 | 0.147              | 2.40           | 0.16             | 0.195              | 2.42           | 0.21             | 0.243              | 2.32           | 0.24             | 0.289               | 2.33           | 0.29             | 0.334               | 2.39           | 0.33             | 0.383               | 2.46           | 0.37             | 0.550               | 2.44           | 0.44             | 0.732               | 2.53           | 0.51             | 1.004                | 2.71           | 0.55             |
| 35703 | 18.202 | 40.186 | 0.142              | 2.42           | 0.16             | 0.190              | 2.42           | 0.20             | 0.236              | 2.32           | 0.24             | 0.282               | 2.32           | 0.29             | 0.326               | 2.36           | 0.32             | 0.378               | 2.44           | 0.36             | 0.537               | 2.44           | 0.44             | 0.711               | 2.49           | 0.52             | 0.973                | 2.67           | 0.55             |
| 35481 | 18.206 | 40.236 | 0.137              | 2.43           | 0.16             | 0.184              | 2.42           | 0.20             | 0.227              | 2.33           | 0.23             | 0.273               | 2.32           | 0.29             | 0.318               | 2.34           | 0.32             | 0.366               | 2.41           | 0.35             | 0.523               | 2.40           | 0.45             | 0.687               | 2.48           | 0.53             | 0.940                | 2.61           | 0.56             |
| 35259 | 18.209 | 40.286 | 0.131              | 2.44           | 0.15             | 0.178              | 2.37           | 0.18             | 0.218              | 2.36           | 0.23             | 0.264               | 2.31           | 0.29             | 0.309               | 2.32           | 0.32             | 0.356               | 2.40           | 0.35             | 0.507               | 2.36           | 0.46             | 0.659               | 2.47           | 0.54             | 0.899                | 2.60           | 0.57             |
| 35037 | 18.213 | 40.335 | 0.125              | 2.46           | 0.15             | 0.170              | 2.38           | 0.17             | 0.207              | 2.39           | 0.22             | 0.254               | 2.30           | 0.29             | 0.298               | 2.31           | 0.32             | 0.345               | 2.38           | 0.35             | 0.490               | 2.36           | 0.46             | 0.633               | 2.46           | 0.55             | 0.867                | 2.56           | 0.58             |
| 34815 | 18.217 | 40.385 | 0.118              | 2.48           | 0.15             | 0.163              | 2.40           | 0.16             | 0.197              | 2.41           | 0.22             | 0.243               | 2.29           | 0.28             | 0.287               | 2.29           | 0.32             | 0.333               | 2.37           | 0.35             | 0.469               | 2.38           | 0.46             | 0.605               | 2.46           | 0.56             | 0.831                | 2.55           | 0.59             |
| 34593 | 18.22  | 40.435 | 0.110              | 2.51           | 0.14             | 0.155              | 2.41           | 0.16             | 0.189              | 2.42           | 0.21             | 0.231               | 2.31           | 0.28             | 0.276               | 2.28           | 0.32             | 0.321               | 2.36           | 0.35             | 0.448               | 2.41           | 0.45             | 0.590               | 2.48           | 0.56             | 0.792                | 2.59           | 0.60             |
| 34371 | 18.224 | 40.485 | 0.102              | 2.80           | 0.10             | 0.147              | 2.41           | 0.16             | 0.181              | 2.41           | 0.21             | 0.220               | 2.33           | 0.24             | 0.265               | 2.27           | 0.31             | 0.308               | 2.36           | 0.35             | 0.427               | 2.45           | 0.45             | 0.555               | 2.50           | 0.56             | 0.755                | 2.59           | 0.60             |
| 34149 | 18.227 | 40.535 | 0.093              | 2.83           | 0.10             | 0.140              | 2.42           | 0.16             | 0.173              | 2.41           | 0.20             | 0.208               | 2.37           | 0.24             | 0.253               | 2.26           | 0.31             | 0.296               | 2.36           | 0.34             | 0.406               | 2.49           | 0.45             | 0.530               | 2.53           | 0.56             | 0.717                | 2.64           | 0.59             |
| 37480 | 18.238 | 39.784 | 0.167              | 2.39           | 0.16             | 0.224              | 2.39           | 0.22             | 0.272              | 2.39           | 0.27             | 0.318               | 2.40           | 0.31             | 0.370               | 2.47           | 0.33             | 0.437               | 2.56           | 0.35             | 0.618               | 2.63           | 0.43             | 0.843               | 2.66           | 0.48             | 1.199                | 2.68           | 0.54             |
| 37258 | 18.242 | 39.833 | 0.165              | 2.39           | 0.16             | 0.222              | 2.39           | 0.22             | 0.270              | 2.39           | 0.27             | 0.316               | 2.40           | 0.31             | 0.373               | 2.44           | 0.33             | 0.435               | 2.57           | 0.35             | 0.614               | 2.63           | 0.43             | 0.846               | 2.66           | 0.48             | 1.202                | 2.67           | 0.54             |
| 37036 | 18.245 | 39.883 | 0.163              | 2.39           | 0.16             | 0.219              | 2.40           | 0.22             | 0.268              | 2.39           | 0.27             | 0.313               | 2.40           | 0.30             | 0.370               | 2.43           | 0.33             | 0.431               | 2.57           | 0.34             | 0.611               | 2.63           | 0.43             | 0.843               | 2.65           | 0.48             | 1.196                | 2.67           | 0.54             |
| 36814 | 18.249 | 39.933 | 0.161              | 2.39           | 0.16             | 0.215              | 2.40           | 0.22             | 0.264              | 2.38           | 0.27             | 0.310               | 2.39           | 0.30             | 0.366               | 2.43           | 0.33             | 0.425               | 2.58           | 0.34             | 0.603               | 2.63           | 0.43             | 0.836               | 2.64           | 0.48             | 1.184                | 2.67           | 0.54             |
| 36592 | 18.253 | 39.983 | 0.158              | 2.39           | 0.16             | 0.211              | 2.41           | 0.21             | 0.260              | 2.37           | 0.25             | 0.305               | 2.39           | 0.29             | 0.362               | 2.44           | 0.33             | 0.416               | 2.57           | 0.34             | 0.594               | 2.62           | 0.44             | 0.825               | 2.63           | 0.48             | 1.166                | 2.66           | 0.54             |
| 36370 | 18.256 | 40.033 | 0.154              | 2.39           | 0.16             | 0.205              | 2.43           | 0.21             | 0.254              | 2.36           | 0.24             | 0.300               | 2.39           | 0.29             | 0.345               | 2.44           | 0.33             | 0.408               | 2.56           | 0.34             | 0.583               | 2.61           | 0.42             | 0.809               | 2.61           | 0.48             | 1.141                | 2.66           | 0.54             |
| 36148 | 18.26  | 40.083 | 0.150              | 2.39           | 0.16             | 0.199              | 2.44           | 0.20             | 0.248              | 2.36           | 0.23             | 0.294               | 2.37           | 0.29             | 0.339               | 2.42           | 0.32             | 0.395               | 2.51           | 0.35             | 0.572               | 2.58           | 0.42             | 0.791               | 2.59           | 0.48             | 1.111                | 2.66           | 0.54             |
| 35926 | 18.264 | 40.133 | 0.145              | 2.40           | 0.16             | 0.193              | 2.44           | 0.20             | 0.240              | 2.36           | 0.23             | 0.287               | 2.36           | 0.29             | 0.332               | 2.39           | 0.32             | 0.386               | 2.48           | 0.35             | 0.561               | 2.58           | 0.42             | 0.789               | 2.57           | 0.47             | 1.078                | 2.66           | 0.53             |
| 35704 | 18.267 | 40.183 | 0.140              | 2.42           | 0.16             | 0.187              | 2.40           | 0.18             | 0.232              | 2.35           | 0.23             | 0.279               | 2.34           | 0.28             | 0.324               | 2.37           | 0.32             | 0.374               | 2.46           | 0.35             | 0.548               | 2.52           | 0.42             | 0.746               | 2.55           | 0.46             | 1.041                | 2.66           | 0.54             |
| 35482 | 18.271 | 40.233 | 0.134              | 2.44           | 0.15             | 0.180              | 2.40           | 0.17             | 0.222              | 2.37           | 0.22             | 0.269               | 2.34           | 0.28             | 0.315               | 2.35           | 0.32             | 0.366               | 2.43           | 0.35             | 0.533               | 2.46           | 0.42             | 0.721               | 2.53           | 0.45             | 1.003                | 2.66           | 0.55             |
| 35260 | 18.275 | 40.283 | 0.128              | 2.46           | 0.15             | 0.173              | 2.41           | 0.16             | 0.211              | 2.40           | 0.22             | 0.259               | 2.33           | 0.27             | 0.304               | 2.33           | 0.31             | 0.354               | 2.41           | 0.35             | 0.514               | 2.39           | 0.43             | 0.693               | 2.45           | 0.52             | 0.960                | 2.64           | 0.55             |
| 35038 | 18.278 | 40.333 | 0.120              | 2.48           | 0.15             | 0.165              | 2.42           | 0.16             | 0.199              | 2.44           | 0.21             | 0.247               | 2.32           | 0.27             | 0.293               | 2.30           | 0.30             | 0.342               | 2.38           | 0.34             | 0.490               | 2.38           | 0.44             | 0.661               | 2.43           | 0.53             | 0.916                | 2.58           | 0.56             |
| 34816 | 18.282 | 40.383 | 0.113              | 2.51           | 0.15             | 0.157              | 2.44           | 0.16             | 0.191              | 2.44           | 0.20             | 0.234               | 2.33           | 0.24             | 0.280               | 2.29           | 0.30             | 0.329               | 2.36           | 0.34             | 0.467               | 2.38           | 0.44             | 0.610               | 2.49           | 0.54             | 0.854                | 2.60           | 0.57             |
| 34594 | 18.286 | 40.433 | 0.104              | 2.81           | 0.10             | 0.148              | 2.44           | 0.16             | 0.182              | 2.44           | 0.20             | 0.222               | 2.35           | 0.23             | 0.268               | 2.30           | 0.29             | 0.315               | 2.34           | 0.33             | 0.444               | 2.41           | 0.44             | 0.592               | 2.49           | 0.55             | 0.808                | 2.61           | 0.58             |
| 34372 | 18.289 | 40.482 | 0.095              | 2.86           | 0.10             | 0.140              | 2.46           | 0.16             | 0.173              | 2.39           | 0.18             | 0.208               | 2.39           | 0.23             | 0.255               | 2.28           | 0.29             | 0.302               | 2.33           | 0.33             | 0.420               | 2.44           | 0.44             | 0.555               | 2.48           | 0.56             | 0.768                | 2.60           | 0.59             |
| 37703 | 18.299 | 39.731 | 0.169              | 2.37           | 0.16             | 0.229              | 2.38           | 0.22             | 0.278              | 2.40           | 0.27             | 0.331               | 2.41           | 0.29             | 0.382               | 2.56           | 0.31             | 0.451               | 2.56           | 0.34             | 0.643               | 2.63           | 0.44             | 0.905               | 2.61           | 0.48             | 1.309                | 2.61           | 0.54             |
| 37481 | 18.303 | 39.781 | 0.169              | 2.38           | 0.16             | 0.229              | 2.39           | 0.22             | 0.277              | 2.40           | 0.27             | 0.336               | 2.44           | 0.28             | 0.383               | 2.56           | 0.31             | 0.451               | 2.56           | 0.34             | 0.646               | 2.63           | 0.45             | 0.915               | 2.60           | 0.48             | 1.324                | 2.61           | 0.54             |
| 37259 | 18.307 | 39.831 | 0.168              | 2.38           | 0.16             | 0.226              | 2.39           | 0.22             | 0.275              | 2.41           | 0.25             | 0.334               | 2.48           | 0.28             | 0.381               | 2.58           | 0.30             | 0.449               | 2.56           | 0.33             | 0.645               | 2.63           | 0.45             | 0.918               | 2.59           | 0.48             | 1.328                | 2.61           | 0.53             |
| 37037 | 18.31  | 39.881 | 0.165              | 2.38           | 0.16             | 0.223              | 2.40           | 0.22             | 0.271              | 2.41           | 0.25             | 0.331               | 2.49           | 0.27             | 0.378               | 2.59           | 0.29             | 0.445               | 2.56           | 0.33             | 0.640               | 2.63           | 0.45             | 0.913               | 2.58           | 0.48             | 1.320                | 2.61           | 0.53             |
| 36815 | 18.314 | 39.931 | 0.162              | 2.38           | 0.16             | 0.218              | 2.42           | 0.22             | 0.267              | 2.41           | 0.25             | 0.327               | 2.48           | 0.27             | 0.373               | 2.58           | 0.29             | 0.437               | 2.57           | 0.33             | 0.630               | 2.63           | 0.45             | 0.903               | 2.58           | 0.49             | 1.303                | 2.61           | 0.53             |
| 36593 | 18.318 | 39.981 | 0.158              | 2.39           | 0.16             | 0.212              | 2.43           | 0.22             | 0.264              | 2.41           | 0.24             | 0.321               | 2.44           | 0.27             | 0.367               | 2.57           | 0.29             | 0.427               | 2.58           | 0.33             | 0.617               | 2.63           | 0.45             | 0.886               | 2.58           | 0.49             | 1.277                | 2.61           | 0.53             |
| 36371 | 18.322 | 40.03  | 0.154              | 2.39           | 0.16             | 0.205              | 2.45           | 0.21             | 0.254              | 2.41           | 0.24             | 0.308               | 2.42           | 0.28             | 0.359               | 2.57           | 0.28             | 0.415               | 2.59           | 0.33             | 0.600               | 2.63           | 0.44             | 0.864               | 2.57           | 0.49             | 1.243                | 2.61           | 0.53             |
| 36149 | 18.325 | 40.08  | 0.149              | 2.39           | 0.16             | 0.198              | 2.46           | 0.20             | 0.247              | 2.39           | 0.23             | 0.293               | 2.42           | 0.28             | 0.350               | 2.52           | 0.28             | 0.401               | 2.60           | 0.32             | 0.585               | 2.61           | 0.43             | 0.839               | 2.57           |                  |                      |                |                  |



| ID    | LON    | LAT    | T <sub>n</sub> =30 |                |                | T <sub>n</sub> =50 |                |                | T <sub>n</sub> =72 |                |                | T <sub>n</sub> =101 |                |                | T <sub>n</sub> =140 |                |                | T <sub>n</sub> =201 |                |                | T <sub>n</sub> =475 |                |                | T <sub>n</sub> =975 |                |                | T <sub>n</sub> =2475 |                |                |
|-------|--------|--------|--------------------|----------------|----------------|--------------------|----------------|----------------|--------------------|----------------|----------------|---------------------|----------------|----------------|---------------------|----------------|----------------|---------------------|----------------|----------------|---------------------|----------------|----------------|---------------------|----------------|----------------|----------------------|----------------|----------------|
|       |        |        | a <sub>q</sub>     | F <sub>o</sub> | T <sub>c</sub> | a <sub>q</sub>     | F <sub>o</sub> | T <sub>c</sub> | a <sub>q</sub>     | F <sub>o</sub> | T <sub>c</sub> | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | a <sub>q</sub>      | F <sub>o</sub> | T <sub>c</sub> | a <sub>q</sub>       | F <sub>o</sub> | T <sub>c</sub> |
| 37260 | 18.372 | 39.828 | 0.171              | 2.38           | 0.16           | 0.235              | 2.39           | 0.22           | 0.295              | 2.51           | 0.23           | 0.346               | 2.60           | 0.26           | 0.395               | 2.64           | 0.28           | 0.473               | 2.55           | 0.32           | 0.694               | 2.63           | 0.46           | 1.017               | 2.52           | 0.48           | 1.489                | 2.56           | 0.53           |
| 37038 | 18.375 | 39.878 | 0.169              | 2.38           | 0.16           | 0.231              | 2.40           | 0.22           | 0.292              | 2.52           | 0.22           | 0.342               | 2.60           | 0.25           | 0.391               | 2.65           | 0.28           | 0.467               | 2.56           | 0.32           | 0.686               | 2.64           | 0.46           | 1.013               | 2.52           | 0.48           | 1.478                | 2.56           | 0.53           |
| 36616 | 18.379 | 39.928 | 0.165              | 2.39           | 0.16           | 0.225              | 2.41           | 0.22           | 0.286              | 2.51           | 0.22           | 0.336               | 2.61           | 0.25           | 0.384               | 2.64           | 0.28           | 0.457               | 2.57           | 0.32           | 0.674               | 2.65           | 0.47           | 0.998               | 2.51           | 0.48           | 1.454                | 2.56           | 0.53           |
| 36694 | 18.383 | 39.978 | 0.161              | 2.40           | 0.16           | 0.218              | 2.42           | 0.22           | 0.279              | 2.49           | 0.22           | 0.329               | 2.60           | 0.25           | 0.377               | 2.64           | 0.27           | 0.445               | 2.58           | 0.32           | 0.657               | 2.65           | 0.46           | 0.974               | 2.52           | 0.48           | 1.419                | 2.57           | 0.53           |
| 36372 | 18.387 | 40.028 | 0.155              | 2.40           | 0.16           | 0.210              | 2.44           | 0.21           | 0.266              | 2.48           | 0.22           | 0.320               | 2.59           | 0.25           | 0.368               | 2.62           | 0.27           | 0.431               | 2.59           | 0.31           | 0.636               | 2.66           | 0.46           | 0.942               | 2.53           | 0.48           | 1.373                | 2.57           | 0.52           |
| 36150 | 18.39  | 40.077 | 0.149              | 2.40           | 0.15           | 0.200              | 2.47           | 0.21           | 0.250              | 2.47           | 0.23           | 0.320               | 2.58           | 0.24           | 0.357               | 2.61           | 0.27           | 0.415               | 2.60           | 0.31           | 0.614               | 2.65           | 0.45           | 0.907               | 2.53           | 0.48           | 1.321                | 2.58           | 0.53           |
| 35928 | 18.394 | 40.127 | 0.143              | 2.41           | 0.15           | 0.193              | 2.44           | 0.19           | 0.240              | 2.42           | 0.23           | 0.300               | 2.51           | 0.24           | 0.346               | 2.60           | 0.26           | 0.398               | 2.61           | 0.30           | 0.598               | 2.65           | 0.44           | 0.871               | 2.54           | 0.49           | 1.266                | 2.58           | 0.53           |
| 35706 | 18.398 | 40.177 | 0.137              | 2.41           | 0.15           | 0.185              | 2.44           | 0.19           | 0.230              | 2.42           | 0.22           | 0.286               | 2.42           | 0.24           | 0.335               | 2.59           | 0.26           | 0.386               | 2.63           | 0.29           | 0.572               | 2.59           | 0.43           | 0.834               | 2.53           | 0.49           | 1.209                | 2.59           | 0.53           |
| 35484 | 18.402 | 40.227 | 0.130              | 2.42           | 0.15           | 0.177              | 2.44           | 0.19           | 0.218              | 2.44           | 0.22           | 0.266               | 2.41           | 0.24           | 0.322               | 2.58           | 0.26           | 0.372               | 2.61           | 0.28           | 0.554               | 2.58           | 0.42           | 0.796               | 2.53           | 0.49           | 1.150                | 2.59           | 0.53           |
| 35262 | 18.406 | 40.277 | 0.122              | 2.45           | 0.15           | 0.168              | 2.44           | 0.16           | 0.204              | 2.48           | 0.21           | 0.253               | 2.39           | 0.23           | 0.305               | 2.39           | 0.27           | 0.358               | 2.56           | 0.28           | 0.532               | 2.49           | 0.40           | 0.757               | 2.52           | 0.48           | 1.089                | 2.60           | 0.53           |
| 35040 | 18.409 | 40.327 | 0.114              | 2.49           | 0.15           | 0.159              | 2.45           | 0.16           | 0.193              | 2.49           | 0.20           | 0.239               | 2.39           | 0.23           | 0.287               | 2.37           | 0.27           | 0.343               | 2.41           | 0.29           | 0.509               | 2.50           | 0.37           | 0.718               | 2.48           | 0.47           | 1.028                | 2.60           | 0.54           |
| 34818 | 18.413 | 40.377 | 0.106              | 2.81           | 0.10           | 0.149              | 2.46           | 0.16           | 0.183              | 2.46           | 0.19           | 0.223               | 2.41           | 0.22           | 0.272               | 2.36           | 0.26           | 0.326               | 2.34           | 0.30           | 0.486               | 2.48           | 0.37           | 0.681               | 2.46           | 0.45           | 0.970                | 2.60           | 0.55           |
| 34596 | 18.417 | 40.427 | 0.096              | 2.88           | 0.10           | 0.140              | 2.49           | 0.16           | 0.172              | 2.46           | 0.19           | 0.207               | 2.46           | 0.21           | 0.256               | 2.36           | 0.26           | 0.311               | 2.32           | 0.29           | 0.462               | 2.42           | 0.37           | 0.647               | 2.43           | 0.45           | 0.918                | 2.58           | 0.56           |
| 37705 | 18.429 | 39.725 | 0.177              | 2.39           | 0.15           | 0.249              | 2.39           | 0.22           | 0.311              | 2.61           | 0.21           | 0.365               | 2.63           | 0.25           | 0.425               | 2.63           | 0.27           | 0.508               | 2.59           | 0.30           | 0.749               | 2.63           | 0.46           | 1.115               | 2.51           | 0.47           | 1.662                | 2.55           | 0.47           |
| 37483 | 18.433 | 39.775 | 0.177              | 2.39           | 0.15           | 0.250              | 2.44           | 0.22           | 0.312              | 2.61           | 0.21           | 0.367               | 2.64           | 0.25           | 0.428               | 2.64           | 0.27           | 0.512               | 2.60           | 0.30           | 0.756               | 2.64           | 0.45           | 1.137               | 2.50           | 0.47           | 1.689                | 2.55           | 0.47           |
| 37261 | 18.437 | 39.825 | 0.176              | 2.40           | 0.15           | 0.249              | 2.50           | 0.21           | 0.311              | 2.62           | 0.21           | 0.366               | 2.65           | 0.25           | 0.426               | 2.64           | 0.27           | 0.510               | 2.60           | 0.30           | 0.758               | 2.63           | 0.46           | 1.146               | 2.48           | 0.47           | 1.692                | 2.55           | 0.47           |
| 37039 | 18.44  | 39.875 | 0.174              | 2.40           | 0.15           | 0.246              | 2.51           | 0.21           | 0.307              | 2.63           | 0.21           | 0.361               | 2.65           | 0.24           | 0.419               | 2.66           | 0.27           | 0.503               | 2.57           | 0.32           | 0.752               | 2.63           | 0.46           | 1.138               | 2.48           | 0.47           | 1.674                | 2.52           | 0.51           |
| 36817 | 18.444 | 39.925 | 0.170              | 2.40           | 0.15           | 0.239              | 2.52           | 0.21           | 0.301              | 2.63           | 0.21           | 0.354               | 2.65           | 0.24           | 0.408               | 2.68           | 0.27           | 0.491               | 2.57           | 0.32           | 0.738               | 2.63           | 0.46           | 1.118               | 2.47           | 0.47           | 1.640                | 2.53           | 0.52           |
| 36595 | 18.448 | 39.975 | 0.165              | 2.40           | 0.15           | 0.231              | 2.51           | 0.21           | 0.292              | 2.62           | 0.20           | 0.345               | 2.65           | 0.24           | 0.395               | 2.69           | 0.27           | 0.477               | 2.60           | 0.30           | 0.717               | 2.63           | 0.46           | 1.087               | 2.47           | 0.47           | 1.592                | 2.53           | 0.52           |
| 36373 | 18.452 | 40.025 | 0.159              | 2.40           | 0.15           | 0.221              | 2.48           | 0.21           | 0.282              | 2.61           | 0.20           | 0.334               | 2.64           | 0.24           | 0.384               | 2.68           | 0.26           | 0.459               | 2.61           | 0.29           | 0.689               | 2.65           | 0.46           | 1.045               | 2.47           | 0.47           | 1.533                | 2.53           | 0.52           |
| 36151 | 18.456 | 40.075 | 0.152              | 2.39           | 0.15           | 0.210              | 2.45           | 0.21           | 0.271              | 2.60           | 0.20           | 0.322               | 2.63           | 0.23           | 0.371               | 2.67           | 0.26           | 0.439               | 2.63           | 0.29           | 0.659               | 2.66           | 0.46           | 0.998               | 2.48           | 0.48           | 1.466                | 2.54           | 0.52           |
| 35929 | 18.459 | 40.124 | 0.145              | 2.41           | 0.15           | 0.198              | 2.46           | 0.19           | 0.259              | 2.52           | 0.21           | 0.309               | 2.62           | 0.22           | 0.358               | 2.65           | 0.25           | 0.418               | 2.66           | 0.28           | 0.628               | 2.67           | 0.45           | 0.950               | 2.49           | 0.48           | 1.394                | 2.54           | 0.52           |
| 35707 | 18.463 | 40.174 | 0.137              | 2.42           | 0.15           | 0.189              | 2.46           | 0.19           | 0.238              | 2.50           | 0.21           | 0.296               | 2.60           | 0.21           | 0.343               | 2.63           | 0.25           | 0.396               | 2.69           | 0.28           | 0.597               | 2.66           | 0.44           | 0.900               | 2.51           | 0.48           | 1.320                | 2.55           | 0.52           |
| 35485 | 18.467 | 40.224 | 0.130              | 2.43           | 0.15           | 0.179              | 2.46           | 0.19           | 0.222              | 2.46           | 0.21           | 0.282               | 2.54           | 0.21           | 0.329               | 2.61           | 0.25           | 0.381               | 2.66           | 0.27           | 0.573               | 2.65           | 0.38           | 0.849               | 2.52           | 0.49           | 1.245                | 2.56           | 0.52           |
| 35263 | 18.471 | 40.274 | 0.121              | 2.44           | 0.15           | 0.168              | 2.46           | 0.18           | 0.206              | 2.48           | 0.21           | 0.261               | 2.44           | 0.22           | 0.313               | 2.58           | 0.24           | 0.364               | 2.63           | 0.27           | 0.547               | 2.59           | 0.37           | 0.796               | 2.53           | 0.49           | 1.168                | 2.58           | 0.49           |
| 35041 | 18.475 | 40.324 | 0.112              | 2.48           | 0.15           | 0.158              | 2.47           | 0.16           | 0.192              | 2.48           | 0.19           | 0.239               | 2.42           | 0.22           | 0.287               | 2.44           | 0.24           | 0.348               | 2.60           | 0.26           | 0.521               | 2.54           | 0.37           | 0.752               | 2.51           | 0.48           | 1.094                | 2.58           | 0.53           |
| 34819 | 18.479 | 40.374 | 0.103              | 2.80           | 0.10           | 0.148              | 2.48           | 0.16           | 0.181              | 2.49           | 0.19           | 0.221               | 2.44           | 0.21           | 0.271               | 2.42           | 0.25           | 0.332               | 2.48           | 0.27           | 0.464               | 2.50           | 0.36           | 0.708               | 2.48           | 0.47           | 1.025                | 2.58           | 0.54           |
| 37262 | 18.502 | 39.822 | 0.184              | 2.40           | 0.18           | 0.271              | 2.62           | 0.20           | 0.334              | 2.66           | 0.21           | 0.394               | 2.70           | 0.24           | 0.471               | 2.64           | 0.27           | 0.559               | 2.67           | 0.29           | 0.860               | 2.61           | 0.45           | 1.313               | 2.44           | 0.45           | 1.958                | 2.52           | 0.46           |
| 37040 | 18.505 | 39.872 | 0.182              | 2.40           | 0.17           | 0.267              | 2.62           | 0.20           | 0.330              | 2.67           | 0.21           | 0.389               | 2.70           | 0.24           | 0.464               | 2.64           | 0.27           | 0.551               | 2.67           | 0.29           | 0.847               | 2.61           | 0.45           | 1.299               | 2.43           | 0.45           | 1.927                | 2.53           | 0.46           |
| 36818 | 18.509 | 39.922 | 0.178              | 2.40           | 0.17           | 0.261              | 2.62           | 0.20           | 0.323              | 2.67           | 0.21           | 0.381               | 2.70           | 0.24           | 0.452               | 2.65           | 0.26           | 0.539               | 2.66           | 0.29           | 0.824               | 2.62           | 0.45           | 1.269               | 2.43           | 0.46           | 1.876                | 2.53           | 0.46           |
| 36596 | 18.513 | 39.972 | 0.171              | 2.41           | 0.15           | 0.252              | 2.62           | 0.19           | 0.313              | 2.66           | 0.20           | 0.370               | 2.69           | 0.23           | 0.436               | 2.67           | 0.26           | 0.523               | 2.65           | 0.29           | 0.795               | 2.63           | 0.45           | 1.226               | 2.44           | 0.46           | 1.809                | 2.53           | 0.46           |
| 36374 | 18.517 | 40.022 | 0.164              | 2.41           | 0.15           | 0.241              | 2.61           | 0.19           | 0.301              | 2.65           | 0.20           | 0.357               | 2.68           | 0.23           | 0.416               | 2.69           | 0.26           | 0.502               | 2.63           | 0.29           | 0.765               | 2.62           | 0.45           | 1.172               | 2.45           | 0.46           | 1.730                | 2.54           | 0.46           |
| 36152 | 18.521 | 40.072 | 0.156              | 2.40           | 0.15           | 0.228              | 2.56           | 0.20           | 0.287              | 2.63           | 0.20           | 0.342               | 2.67           | 0.22           | 0.395               | 2.71           | 0.25           | 0.478               | 2.63           | 0.29           | 0.730               | 2.61           | 0.45           | 1.110               | 2.46           | 0.47           | 1.642                | 2.54           | 0.47           |
| 35930 | 18.525 | 40.122 | 0.147              | 2.40           | 0.15           | 0.211              | 2.53           | 0.20           | 0.272              | 2.63           | 0.20           | 0.326               | 2.66           | 0.21           | 0.377               | 2.70           | 0.25           | 0.452               | 2.64           | 0.28           | 0.690               | 2.63           | 0.46           | 1.045               | 2.46           | 0.47           | 1.548                | 2.54           | 0.47           |
| 35708 | 18.529 | 40.171 | 0.139              | 2.41           | 0.15           | 0.196              | 2.46           | 0.19           | 0.257              | 2.61           | 0.19           | 0.309               | 2.64           | 0.20           | 0.360               | 2.67           | 0.24           | 0.424               | 2.68           | 0.27           | 0.649               | 2.64           | 0.45           | 0.980               | 2.48           | 0.48           | 1.452                | 2.55           | 0.47           |
| 35486 | 18.532 | 40.221 | 0.131              | 2.42           | 0.15           | 0.184              | 2.47           | 0.18           | 0.241              | 2.51           | 0.20           | 0.292               | 2.62           | 0.20           | 0.341               | 2.65           | 0.24           | 0.396               | 2.71           | 0.27           | 0.606               | 2.69           | 0.40           | 0.916               | 2.49           | 0.48           | 1.356                | 2.56           | 0.48           |
| 35264 | 18.536 | 40.271 | 0.121              | 2.44           | 0.14           | 0.171              | 2.48           | 0.18           | 0.212              | 2.53           | 0.20           | 0.322               | 2.63           | 0.23           | 0.322               | 2.63           | 0.23           | 0.376               | 2.67           | 0.26           | 0.572               | 2.64           | 0.38           | 0.853               | 2.51           | 0.48           | 1.260                | 2.56           | 0.48           |
| 36375 | 18.562 | 40.019 | 0.174              | 2.37           | 0.17           | 0.260              | 2.64           | 0.19           | 0.326              | 2.68           | 0.20           | 0.388               | 2.72           | 0.23           | 0.465               | 2.67           | 0.26           | 0.557               | 2.68           | 0.29           | 0.865               | 2.60           | 0.44           | 1.331               | 2.42           | 0.45           | 1.985                | 2.52           | 0.45           |
| 36153 | 18.566 | 40.069 | 0.163              | 2.39           | 0.15           | 0.245              | 2.63           | 0.19           | 0.309              | 2.68           | 0.20           | 0.369               | 2.71           | 0.21           | 0.438               | 2.68           | 0.25           | 0.527               | 2.67           | 0.28           | 0.808               | 2.63           | 0.44           | 1.247               | 2.44           | 0.46           | 1.866                | 2.52           | 0.46           |
| 35931 | 18.59  | 40.119 | 0.151              | 2.40           | 0.15           | 0.229              | 2.62           | 0.19           | 0.299              | 2.67           | 0.19           | 0.349               | 2.69           | 0.21           | 0.408               | 2.72           | 0.24           | 0.496               | 2.65           | 0.28           | 0.760               | 2.62           | 0.44           | 1.160               | 2.46           | 0.46           | 1.740                | 2.53           | 0.46           |
| 35709 | 18.594 | 40.168 | 0.142              | 2.40           | 0.15           | 0.212              | 2.57           | 0.19           | 0.272              | 2.64           | 0.19           | 0.328               | 2.67           | 0.20           | 0.383               | 2.71           | 0.24           | 0.463               | 2.65           | 0.28           | 0.711               | 2.62           | 0.45           | 1.075               | 2.46           |                |                      |                |                |