THERMAL EXPANSION ERROR

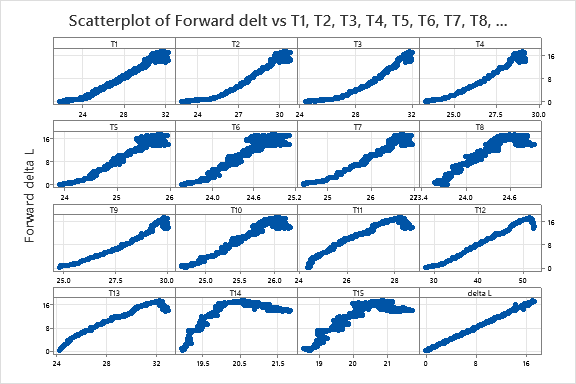
**Descriptive Statistics: delta L, T0, T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T11, T12, T13, T14, T15**

**Statistics**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **Total Count** | **Mean** | **SE Mean** | **StDev** | **Minimum** | **Q1** | **Median** | **Q3** | **Maximum** |
| delta L | 4682 | 14.050 | 0.0510 | 3.490 | -0.0088 | 13.845 | 15.331 | 16.105 | 17.372 |
| T0 | 4682 | 36.623 | 0.0259 | 1.773 | 25.361 | 36.952 | 37.238 | 37.432 | 37.958 |
| T1 | 4682 | 30.784 | 0.0265 | 1.815 | 21.765 | 30.985 | 31.417 | 31.704 | 32.325 |
| T2 | 4682 | 29.723 | 0.0177 | 1.214 | 22.864 | 29.808 | 30.129 | 30.358 | 30.801 |
| T3 | 4682 | 31.222 | 0.0170 | 1.161 | 24.433 | 31.470 | 31.630 | 31.754 | 32.063 |
| T4 | 4682 | 28.479 | 0.0149 | 1.020 | 23.326 | 28.591 | 28.814 | 29.006 | 29.251 |
| T5 | 4682 | 25.556 | 0.00519 | 0.355 | 23.916 | 25.512 | 25.662 | 25.769 | 25.977 |
| T6 | 4682 | 24.720 | 0.00398 | 0.272 | 23.552 | 24.643 | 24.792 | 24.901 | 25.124 |
| T7 | 4682 | 26.536 | 0.00651 | 0.445 | 24.452 | 26.549 | 26.672 | 26.779 | 26.958 |
| T8 | 4682 | 24.536 | 0.00403 | 0.276 | 23.585 | 24.477 | 24.587 | 24.737 | 24.932 |
| T9 | 4682 | 29.490 | 0.0145 | 0.992 | 24.823 | 29.688 | 29.868 | 29.951 | 30.075 |
| T10 | 4682 | 25.899 | 0.00439 | 0.301 | 24.662 | 25.886 | 25.985 | 26.084 | 26.228 |
| T11 | 4682 | 27.835 | 0.0161 | 1.099 | 24.366 | 27.785 | 28.299 | 28.497 | 28.773 |
| T12 | 4682 | 49.659 | 0.0758 | 5.186 | 28.130 | 49.758 | 52.195 | 52.436 | 52.648 |
| T13 | 4682 | 31.419 | 0.0321 | 2.196 | 24.286 | 31.394 | 32.389 | 32.728 | 32.984 |
| T14 | 4682 | 20.688 | 0.0115 | 0.788 | 18.951 | 20.087 | 20.819 | 21.336 | 21.848 |
| T15 | 4682 | 20.619 | 0.0102 | 0.697 | 18.550 | 20.312 | 20.691 | 21.170 | 21.763 |

THERMAL EXPANSION ERROR

**Scatterplot of Forward delta L vs T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T11, T12, T13, T14, T15, delta L**



THERMAL EXPANSION ERROR

**Regression Analysis: Forward delta L versus T0, T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T11, T12, T13, T14, T15, delta L**

**Regression Equation**

|  |  |  |
| --- | --- | --- |
| Forward delta L | = | 3.79 + 0.0171 T0 - 0.0009 T1 + 0.0128 T2 + 0.0258 T3 - 0.0146 T4 - 0.1414 T5 + 0.139 T6 - 0.0003 T7 - 0.0726 T8 - 0.0013 T9 - 0.0674 T10 - 0.0622 T11 + 0.0144 T12 + 0.1554 T13 - 0.2457 T14 + 0.0374 T15 + 0.93215 delta L |

**Coefficients**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Term** | **Coef** | **SE Coef** | **95% CI** | **T-Value** | **P-Value** | **VIF** |
| Constant | 3.79 | 1.22 | (1.41, 6.17) | 3.12 | 0.002 |  |
| T0 | 0.0171 | 0.0136 | (-0.0096, 0.0438) | 1.25 | 0.210 | 175.21 |
| T1 | -0.0009 | 0.0131 | (-0.0267, 0.0248) | -0.07 | 0.944 | 170.51 |
| T2 | 0.0128 | 0.0309 | (-0.0478, 0.0734) | 0.41 | 0.679 | 422.46 |
| T3 | 0.0258 | 0.0450 | (-0.0624, 0.1140) | 0.57 | 0.567 | 817.70 |
| T4 | -0.0146 | 0.0709 | (-0.1536, 0.1244) | -0.21 | 0.837 | 1567.10 |
| T5 | -0.1414 | 0.0939 | (-0.3255, 0.0427) | -1.51 | 0.132 | 333.55 |
| T6 | 0.139 | 0.104 | (-0.064, 0.342) | 1.34 | 0.180 | 238.53 |
| T7 | -0.0003 | 0.0836 | (-0.1642, 0.1635) | -0.00 | 0.997 | 415.27 |
| T8 | -0.0726 | 0.0531 | (-0.1767, 0.0316) | -1.37 | 0.172 | 64.26 |
| T9 | -0.0013 | 0.0457 | (-0.0910, 0.0884) | -0.03 | 0.977 | 616.91 |
| T10 | -0.0674 | 0.0741 | (-0.2127, 0.0780) | -0.91 | 0.363 | 148.86 |
| T11 | -0.0622 | 0.0570 | (-0.1739, 0.0496) | -1.09 | 0.275 | 1175.96 |
| T12 | 0.0144 | 0.0156 | (-0.0161, 0.0449) | 0.92 | 0.356 | 1951.98 |
| T13 | 0.1554 | 0.0435 | (0.0702, 0.2407) | 3.57 | 0.000 | 2734.12 |
| T14 | -0.2457 | 0.0232 | (-0.2912, -0.2002) | -10.58 | 0.000 | 100.25 |
| T15 | 0.0374 | 0.0144 | (0.0092, 0.0656) | 2.60 | 0.009 | 30.09 |
| delta L | 0.93215 | 0.00532 | (0.92172, 0.94258) | 175.19 | 0.000 | 103.38 |

**Model Summary**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S** | **R-sq** | **R-sq(adj)** | **PRESS** | **R-sq(pred)** | **AICc** | **BIC** |
| 0.124949 | 99.87% | 99.87% | 73.4149 | 99.87% | -6168.62 | -6046.20 |

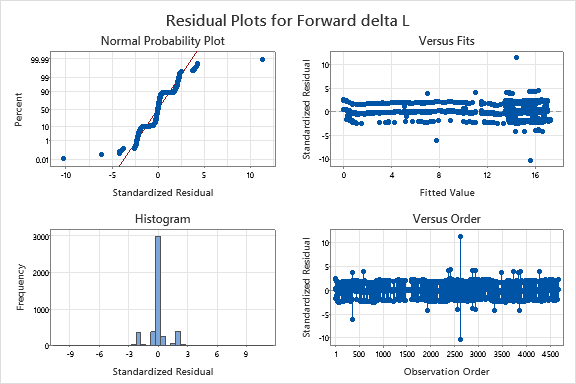
**Analysis of Variance**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Source** | **DF** | **Seq SS** | **Contribution** | **Adj SS** | **Adj MS** | **F-Value** | **P-Value** |
| Regression | 17 | 56734.8 | 99.87% | 56734.8 | 3337.34 | 213763.04 | 0.000 |
| T0 | 1 | 50711.4 | 89.27% | 0.0 | 0.02 | 1.57 | 0.210 |
| T1 | 1 | 75.4 | 0.13% | 0.0 | 0.00 | 0.00 | 0.944 |
| T2 | 1 | 303.5 | 0.53% | 0.0 | 0.00 | 0.17 | 0.679 |
| T3 | 1 | 18.9 | 0.03% | 0.0 | 0.01 | 0.33 | 0.567 |
| T4 | 1 | 47.4 | 0.08% | 0.0 | 0.00 | 0.04 | 0.837 |
| T5 | 1 | 9.6 | 0.02% | 0.0 | 0.04 | 2.27 | 0.132 |
| T6 | 1 | 406.7 | 0.72% | 0.0 | 0.03 | 1.80 | 0.180 |
| T7 | 1 | 25.1 | 0.04% | 0.0 | 0.00 | 0.00 | 0.997 |
| T8 | 1 | 434.9 | 0.77% | 0.0 | 0.03 | 1.86 | 0.172 |
| T9 | 1 | 560.7 | 0.99% | 0.0 | 0.00 | 0.00 | 0.977 |
| T10 | 1 | 797.6 | 1.40% | 0.0 | 0.01 | 0.83 | 0.363 |
| T11 | 1 | 384.3 | 0.68% | 0.0 | 0.02 | 1.19 | 0.275 |
| T12 | 1 | 68.6 | 0.12% | 0.0 | 0.01 | 0.85 | 0.356 |
| T13 | 1 | 659.7 | 1.16% | 0.2 | 0.20 | 12.78 | 0.000 |
| T14 | 1 | 1724.7 | 3.04% | 1.7 | 1.75 | 111.98 | 0.000 |
| T15 | 1 | 27.3 | 0.05% | 0.1 | 0.11 | 6.76 | 0.009 |
| delta L | 1 | 479.1 | 0.84% | 479.1 | 479.15 | 30690.24 | 0.000 |
| Error | 4664 | 72.8 | 0.13% | 72.8 | 0.02 |  |  |
| Total | 4681 | 56807.6 | 100.00% |  |  |  |  |

**Fits and Diagnostics for Unusual Observations**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Obs** | **Forward delta L** | **Fit** | | **SE Fit** | | | | **95% CI** | **Resid** | **Std Resid** | **Del Resid** | **HI** |
| 1 | 0.0000 | -0.0568 | | 0.0285 | | | | (-0.1127, -0.0010) | 0.0568 | 0.47 | 0.47 | 0.0520330 |
| 2 | 0.0000 | -0.0545 | | 0.0281 | | | | (-0.1096, 0.0005) | 0.0545 | 0.45 | 0.45 | 0.0504566 |
| 3 | 0.0000 | -0.0500 | | 0.0278 | | | | (-0.1046, 0.0046) | 0.0500 | 0.41 | 0.41 | 0.0496184 |
| 4 | 0.2551 | -0.0522 | | 0.0270 | | | | (-0.1052, 0.0007) | 0.3073 | 2.52 | 2.52 | 0.0467091 |
| 5 | -0.0088 | 0.1974 | | 0.0256 | | | | (0.1472, 0.2476) | -0.2062 | -1.69 | -1.69 | 0.0419738 |
| 6 | 0.2463 | -0.0422 | | 0.0257 | | | | (-0.0927, 0.0083) | 0.2885 | 2.36 | 2.36 | 0.0424444 |
| 7 | 0.2463 | 0.2019 | | 0.0247 | | | | (0.1535, 0.2503) | 0.0443 | 0.36 | 0.36 | 0.0390391 |
| 8 | 0.2463 | 0.2056 | | 0.0237 | | | | (0.1591, 0.2521) | 0.0406 | 0.33 | 0.33 | 0.0360900 |
| 9 | 0.5014 | 0.2041 | | 0.0232 | | | | (0.1587, 0.2496) | 0.2972 | 2.42 | 2.42 | 0.0344877 |
| 10 | 0.2374 | 0.4404 | | 0.0233 | | | | (0.3948, 0.4860) | -0.2030 | -1.65 | -1.65 | 0.0346416 |
| 11 | 0.2374 | 0.2053 | | 0.0213 | | | | (0.1635, 0.2470) | 0.0322 | 0.26 | 0.26 | 0.0290913 |
| 12 | 0.4925 | 0.2111 | | 0.0220 | | | | (0.1681, 0.2542) | 0.2814 | 2.29 | 2.29 | 0.0308935 |
| 13 | 0.2286 | 0.4528 | | 0.0213 | | | | (0.4111, 0.4945) | -0.2242 | -1.82 | -1.82 | 0.0290025 |
| 14 | 0.2286 | 0.2105 | | 0.0202 | | | | (0.1709, 0.2501) | 0.0181 | 0.15 | 0.15 | 0.0261096 |
| 15 | 0.4837 | 0.2101 | | 0.0196 | | | | (0.1716, 0.2485) | 0.2736 | 2.22 | 2.22 | 0.0246013 |
| 16 | 0.4837 | 0.4469 | | 0.0199 | | | | (0.4080, 0.4859) | 0.0367 | 0.30 | 0.30 | 0.0252506 |
| 17 | 0.2197 | 0.4603 | | 0.0183 | | | | (0.4244, 0.4962) | -0.2406 | -1.95 | -1.95 | 0.0214528 |
| 18 | 0.4748 | 0.2176 | | 0.0186 | | | | (0.1811, 0.2542) | 0.2572 | 2.08 | 2.08 | 0.0222692 |
| 19 | 0.4748 | 0.4541 | | 0.0180 | | | | (0.4188, 0.4894) | 0.0207 | 0.17 | 0.17 | 0.0207710 |
| 20 | 0.3384 | 0.4544 | | 0.0177 | | | | (0.4197, 0.4891) | -0.1160 | -0.94 | -0.94 | 0.0200603 |
| 21 | 0.2109 | 0.3261 | | 0.0173 | | | | (0.2922, 0.3599) | -0.1152 | -0.93 | -0.93 | 0.0191420 |
| 22 | 0.4660 | 0.2051 | | 0.0170 | | | | (0.1717, 0.2385) | 0.2609 | 2.11 | 2.11 | 0.0185619 |
| 23 | 0.4660 | 0.4542 | | 0.0170 | | | | (0.4209, 0.4875) | 0.0118 | 0.10 | 0.10 | 0.0185004 |
| 24 | 0.4660 | 0.4548 | | 0.0167 | | | | (0.4221, 0.4874) | 0.0112 | 0.09 | 0.09 | 0.0177968 |
| 25 | 0.4660 | 0.4575 | | 0.0167 | | | | (0.4247, 0.4903) | 0.0084 | 0.07 | 0.07 | 0.0179366 |
| 26 | 0.4660 | 0.4592 | | 0.0160 | | | | (0.4279, 0.4906) | 0.0067 | 0.05 | 0.05 | 0.0163542 |
| 27 | 0.4660 | 0.4567 | | 0.0161 | | | | (0.4252, 0.4882) | 0.0093 | 0.07 | 0.07 | 0.0165348 |
| 28 | 0.4571 | 0.4576 | | 0.0157 | | | | (0.4268, 0.4885) | -0.0005 | -0.00 | -0.00 | 0.0158524 |
| 29 | 0.4571 | 0.4585 | | 0.0155 | | | | (0.4282, 0.4888) | -0.0014 | -0.01 | -0.01 | 0.0152937 |
| 30 | 0.4571 | 0.4639 | | 0.0149 | | | | (0.4347, 0.4931) | -0.0068 | -0.05 | -0.05 | 0.0142259 |
| 31 | 0.4571 | 0.4672 | | 0.0147 | | | | (0.4383, 0.4961) | -0.0101 | -0.08 | -0.08 | 0.0138950 |
| 32 | 0.7122 | 0.4680 | | 0.0143 | | | | (0.4399, 0.4961) | 0.2442 | 1.97 | 1.97 | 0.0131448 |
| 33 | 0.4571 | 0.6985 | | 0.0149 | | | | (0.6693, 0.7277) | -0.2414 | -1.95 | -1.95 | 0.0142082 |
| 34 | 0.4571 | 0.4716 | | 0.0142 | | | | (0.4438, 0.4994) | -0.0145 | -0.12 | -0.12 | 0.0129129 |
| 35 | 0.7122 | 0.4775 | | 0.0140 | | | | (0.4500, 0.5049) | 0.2347 | 1.89 | 1.89 | 0.0125639 |
| 36 | 0.4483 | 0.7206 | | 0.0138 | | | | (0.6936, 0.7476) | -0.2723 | -2.19 | -2.19 | 0.0121329 |
| 37 | 0.4483 | 0.4750 | | 0.0136 | | | | (0.4483, 0.5017) | -0.0267 | -0.22 | -0.22 | 0.0118905 |
| 38 | 0.4483 | 0.4749 | | 0.0135 | | | | (0.4485, 0.5013) | -0.0267 | -0.21 | -0.21 | 0.0116004 |
| 39 | 0.7034 | 0.4708 | | 0.0138 | | | | (0.4438, 0.4979) | 0.2325 | 1.87 | 1.87 | 0.0121752 |
| 51 | 0.6857 | 0.9830 | | 0.0133 | | | | (0.9569, 1.0091) | -0.2974 | -2.39 | -2.39 | 0.0113518 |
| 57 | 0.9408 | 0.9933 | | 0.0137 | | | | (0.9665, 1.0201) | -0.0525 | -0.42 | -0.42 | 0.0119576 |
| 59 | 0.6768 | 0.9991 | | 0.0127 | | | | (0.9743, 1.0239) | -0.3223 | -2.59 | -2.59 | 0.0102663 |
| 76 | 1.4333 | 1.2508 | | 0.0136 | | | | (1.2241, 1.2776) | 0.1825 | 1.47 | 1.47 | 0.0119279 |
| 80 | 1.1693 | 1.4914 | | 0.0126 | | | | (1.4668, 1.5161) | -0.3221 | -2.59 | -2.59 | 0.0101329 |
| 128 | 2.6822 | 2.9558 | | 0.0105 | | | | (2.9352, 2.9765) | -0.2736 | -2.20 | -2.20 | 0.0071237 |
| 132 | 2.6734 | 2.9709 | | 0.0098 | | | | (2.9517, 2.9900) | -0.2975 | -2.39 | -2.39 | 0.0061223 |
| 146 | 3.1836 | 3.4588 | | 0.0094 | | | | (3.4403, 3.4773) | -0.2752 | -2.21 | -2.21 | 0.0057089 |
| 154 | 3.4387 | 3.7104 | | 0.0101 | | | | (3.6907, 3.7302) | -0.2717 | -2.18 | -2.18 | 0.0064987 |
| 156 | 3.4387 | 3.7073 | | 0.0109 | | | | (3.6860, 3.7286) | -0.2686 | -2.16 | -2.16 | 0.0075494 |
| 159 | 3.4298 | 3.7149 | | 0.0106 | | | | (3.6941, 3.7357) | -0.2851 | -2.29 | -2.29 | 0.0072247 |
| 180 | 3.9312 | 4.2070 | | 0.0108 | | | | (4.1857, 4.2282) | -0.2758 | -2.22 | -2.22 | 0.0075118 |
| 226 | 4.9428 | 5.1932 | | 0.0091 | | | | (5.1752, 5.2111) | -0.2504 | -2.01 | -2.01 | 0.0053507 |
| 246 | 5.4441 | 5.7031 | | 0.0087 | | | | (5.6860, 5.7201) | -0.2589 | -2.08 | -2.08 | 0.0048536 |
| 252 | 5.4441 | 5.6996 | | 0.0073 | | | | (5.6853, 5.7139) | -0.2555 | -2.05 | -2.05 | 0.0034295 |
| 256 | 5.4441 | 5.7127 | | 0.0094 | | | | (5.6944, 5.7311) | -0.2686 | -2.16 | -2.16 | 0.0056172 |
| 281 | 5.9455 | 6.2181 | | 0.0093 | | | | (6.1998, 6.2365) | -0.2727 | -2.19 | -2.19 | 0.0055925 |
| 283 | 5.9455 | 6.2090 | | 0.0101 | | | | (6.1892, 6.2288) | -0.2635 | -2.12 | -2.12 | 0.0065340 |
| 285 | 5.9455 | 6.2097 | | 0.0094 | | | | (6.1912, 6.2281) | -0.2642 | -2.12 | -2.12 | 0.0056680 |
| 288 | 6.2094 | 6.4588 | | 0.0106 | | | | (6.4380, 6.4796) | -0.2494 | -2.00 | -2.00 | 0.0071986 |
| 289 | 6.4645 | 6.2148 | | 0.0084 | | | | (6.1984, 6.2313) | 0.2497 | 2.00 | 2.00 | 0.0044978 |
| 307 | 6.4557 | 6.7392 | | 0.0095 | | | | (6.7205, 6.7579) | -0.2835 | -2.28 | -2.28 | 0.0058230 |
| 309 | 6.4557 | 6.7290 | | 0.0100 | | | | (6.7094, 6.7486) | -0.2733 | -2.19 | -2.20 | 0.0063938 |
| 319 | 6.7108 | 6.9909 | | 0.0107 | | | | (6.9700, 7.0118) | -0.2801 | -2.25 | -2.25 | 0.0072958 |
| 323 | 6.7108 | 6.9943 | | 0.0083 | | | | (6.9780, 7.0107) | -0.2835 | -2.27 | -2.28 | 0.0044635 |
| 328 | 6.9659 | 7.2335 | | 0.0085 | | | | (7.2168, 7.2503) | -0.2677 | -2.15 | -2.15 | 0.0046616 |
| 329 | 6.7108 | 6.9868 | | 0.0093 | | | | (6.9685, 7.0052) | -0.2761 | -2.22 | -2.22 | 0.0055912 |
| 334 | 6.9659 | 7.2340 | | 0.0098 | | | | (7.2148, 7.2532) | -0.2681 | -2.15 | -2.15 | 0.0061494 |
| 347 | 7.2121 | 7.4809 | | 0.0091 | | | | (7.4630, 7.4988) | -0.2687 | -2.16 | -2.16 | 0.0053440 |
| 359 | 6.9570 | 7.7191 | | 0.0080 | | | | (7.7034, 7.7349) | -0.7621 | -6.11 | -6.14 | 0.0041280 |
| 360 | 7.4672 | 7.0062 | | 0.0093 | | | | (6.9879, 7.0245) | 0.4610 | 3.70 | 3.71 | 0.0055651 |
| 364 | 7.9863 | 7.7182 | | 0.0090 | | | | (7.7006, 7.7358) | 0.2681 | 2.15 | 2.15 | 0.0051722 |
| 372 | 7.9774 | 7.7076 | | 0.0086 | | | | (7.6908, 7.7245) | 0.2698 | 2.16 | 2.17 | 0.0047296 |
| 385 | 8.2326 | 7.9598 | | 0.0100 | | | | (7.9401, 7.9794) | 0.2728 | 2.19 | 2.19 | 0.0064355 |
| 438 | 8.9890 | 8.7309 | | 0.0096 | | | | (8.7120, 8.7498) | 0.2581 | 2.07 | 2.07 | 0.0059522 |
| 441 | 8.9890 | 8.7379 | | 0.0091 | | | | (8.7201, 8.7558) | 0.2511 | 2.01 | 2.02 | 0.0053036 |
| 456 | 9.2441 | 8.9867 | | 0.0081 | | | | (8.9708, 9.0026) | 0.2574 | 2.06 | 2.07 | 0.0042346 |
| 503 | 9.7543 | 10.0161 | | 0.0089 | | | | (9.9986, 10.0336) | -0.2618 | -2.10 | -2.10 | 0.0051029 |
| 519 | 10.0006 | 10.2810 | | 0.0096 | | | | (10.2622, 10.2999) | -0.2805 | -2.25 | -2.25 | 0.0059070 |
| 547 | 10.2557 | 10.5143 | | 0.0085 | | | | (10.4977, 10.5309) | -0.2586 | -2.07 | -2.08 | 0.0046078 |
| 580 | 10.5108 | 10.7972 | | 0.0083 | | | | (10.7808, 10.8135) | -0.2864 | -2.30 | -2.30 | 0.0044430 |
| 584 | 10.7659 | 11.0396 | | 0.0069 | | | | (11.0261, 11.0531) | -0.2737 | -2.19 | -2.19 | 0.0030481 |
| 590 | 11.5312 | 11.0370 | | 0.0069 | | | | (11.0234, 11.0506) | 0.4942 | 3.96 | 3.97 | 0.0030756 |
| 603 | 11.7863 | 11.5329 | | 0.0069 | | | | (11.5194, 11.5465) | 0.2534 | 2.03 | 2.03 | 0.0030492 |
| 604 | 11.5223 | 11.7772 | | 0.0080 | | | | (11.7615, 11.7929) | -0.2549 | -2.04 | -2.04 | 0.0041170 |
| 659 | 11.5135 | 11.8090 | | 0.0075 | | | | (11.7944, 11.8237) | -0.2956 | -2.37 | -2.37 | 0.0035812 |
| 662 | 11.5135 | 11.8092 | | 0.0068 | | | | (11.7958, 11.8226) | -0.2957 | -2.37 | -2.37 | 0.0029810 |
| 666 | 11.5135 | 11.8107 | | 0.0068 | | | | (11.7973, 11.8240) | -0.2972 | -2.38 | -2.38 | 0.0029832 |
| 674 | 11.7774 | 12.0577 | | 0.0072 | | | | (12.0436, 12.0718) | -0.2803 | -2.25 | -2.25 | 0.0032933 |
| 676 | 11.7774 | 12.0633 | | 0.0073 | | | | (12.0490, 12.0776) | -0.2859 | -2.29 | -2.29 | 0.0033964 |
| 682 | 11.7774 | 12.0631 | | 0.0072 | | | | (12.0489, 12.0773) | -0.2856 | -2.29 | -2.29 | 0.0033608 |
| 714 | 12.0237 | 12.3210 | | 0.0087 | | | | (12.3040, 12.3380) | -0.2973 | -2.39 | -2.39 | 0.0048342 |
| 718 | 12.0237 | 12.3197 | | 0.0070 | | | | (12.3059, 12.3335) | -0.2960 | -2.37 | -2.37 | 0.0031540 |
| 722 | 12.0237 | 12.3038 | | 0.0090 | | | | (12.2860, 12.3215) | -0.2801 | -2.25 | -2.25 | 0.0052277 |
| 725 | 12.0237 | 12.3136 | | 0.0071 | | | | (12.2998, 12.3275) | -0.2899 | -2.32 | -2.33 | 0.0031975 |
| 730 | 12.2788 | 12.5668 | | 0.0064 | | | | (12.5543, 12.5793) | -0.2880 | -2.31 | -2.31 | 0.0026000 |
| 734 | 12.2876 | 12.5741 | | 0.0065 | | | | (12.5615, 12.5868) | -0.2865 | -2.30 | -2.30 | 0.0026810 |
| 743 | 12.2788 | 12.5737 | | 0.0083 | | | | (12.5574, 12.5900) | -0.2949 | -2.37 | -2.37 | 0.0044344 |
| 745 | 12.2788 | 12.5741 | | 0.0075 | | | | (12.5594, 12.5888) | -0.2953 | -2.37 | -2.37 | 0.0035948 |
| 752 | 12.2788 | 12.5806 | | 0.0078 | | | | (12.5654, 12.5958) | -0.3018 | -2.42 | -2.42 | 0.0038665 |
| 786 | 12.5339 | 12.8581 | | 0.0084 | | | | (12.8416, 12.8745) | -0.3242 | -2.60 | -2.60 | 0.0045179 |
| 789 | 12.5339 | 12.8444 | | 0.0080 | | | | (12.8287, 12.8602) | -0.3106 | -2.49 | -2.49 | 0.0041397 |
| 791 | 12.5339 | 12.8579 | | 0.0079 | | | | (12.8424, 12.8734) | -0.3240 | -2.60 | -2.60 | 0.0040111 |
| 827 | 13.0441 | 13.3522 | | 0.0086 | | | | (13.3354, 13.3691) | -0.3081 | -2.47 | -2.47 | 0.0047176 |
| 847 | 13.8094 | 14.0870 | | 0.0084 | | | | (14.0706, 14.1035) | -0.2776 | -2.23 | -2.23 | 0.0045191 |
| 849 | 13.8094 | 14.0787 | | 0.0086 | | | | (14.0618, 14.0956) | -0.2693 | -2.16 | -2.16 | 0.0047696 |
| 855 | 14.3196 | 14.0630 | | 0.0089 | | | | (14.0455, 14.0805) | 0.2566 | 2.06 | 2.06 | 0.0050956 |
| 861 | 14.5747 | 14.3106 | | 0.0071 | | | | (14.2966, 14.3246) | 0.2641 | 2.12 | 2.12 | 0.0032687 |
| 881 | 14.8298 | 14.5746 | | 0.0075 | | | | (14.5599, 14.5893) | 0.2552 | 2.05 | 2.05 | 0.0036072 |
| 893 | 14.5659 | 14.8186 | | 0.0064 | | | | (14.8060, 14.8312) | -0.2527 | -2.03 | -2.03 | 0.0026378 |
| 895 | 15.0849 | 14.8087 | | 0.0065 | | | | (14.7960, 14.8214) | 0.2762 | 2.21 | 2.21 | 0.0026915 |
| 907 | 15.0849 | 14.8248 | | 0.0055 | | | | (14.8139, 14.8357) | 0.2601 | 2.08 | 2.08 | 0.0019704 |
| 911 | 15.0849 | 14.8141 | | 0.0059 | | | | (14.8024, 14.8257) | 0.2709 | 2.17 | 2.17 | 0.0022513 |
| 929 | 15.3400 | 15.0540 | | 0.0075 | | | | (15.0392, 15.0688) | 0.2860 | 2.29 | 2.29 | 0.0036511 |
| 945 | 15.3400 | 15.0729 | | 0.0070 | | | | (15.0593, 15.0866) | 0.2671 | 2.14 | 2.14 | 0.0031103 |
| 947 | 15.3312 | 15.0646 | | 0.0070 | | | | (15.0509, 15.0783) | 0.2666 | 2.14 | 2.14 | 0.0031290 |
| 978 | 15.5863 | 15.3298 | | 0.0056 | | | | (15.3189, 15.3407) | 0.2565 | 2.05 | 2.06 | 0.0019942 |
| 994 | 15.5951 | 15.3351 | | 0.0069 | | | | (15.3216, 15.3487) | 0.2600 | 2.08 | 2.08 | 0.0030675 |
| 995 | 15.3312 | 15.5877 | | 0.0069 | | | | (15.5742, 15.6011) | -0.2565 | -2.06 | -2.06 | 0.0030132 |
| 1002 | 15.8502 | 15.5827 | | 0.0070 | | | | (15.5690, 15.5963) | 0.2675 | 2.14 | 2.15 | 0.0031074 |
| 1021 | 15.8414 | 15.5894 | | 0.0081 | | | | (15.5735, 15.6052) | 0.2520 | 2.02 | 2.02 | 0.0041814 |
| 1024 | 15.8502 | 15.5948 | | 0.0073 | | | | (15.5805, 15.6090) | 0.2555 | 2.05 | 2.05 | 0.0033735 |
| 1026 | 15.8502 | 15.5909 | | 0.0065 | | | | (15.5782, 15.6036) | 0.2593 | 2.08 | 2.08 | 0.0026809 |
| 1036 | 15.8502 | 15.5961 | | 0.0064 | | | | (15.5837, 15.6086) | 0.2541 | 2.04 | 2.04 | 0.0025831 |
| 1037 | 15.5863 | 15.8420 | | 0.0072 | | | | (15.8279, 15.8561) | -0.2557 | -2.05 | -2.05 | 0.0033072 |
| 1073 | 15.8414 | 16.0969 | | 0.0073 | | | | (16.0826, 16.1111) | -0.2555 | -2.05 | -2.05 | 0.0033887 |
| 1076 | 16.0965 | 15.8429 | | 0.0071 | | | | (15.8290, 15.8569) | 0.2536 | 2.03 | 2.03 | 0.0032487 |
| 1094 | 15.8325 | 16.0850 | | 0.0063 | | | | (16.0727, 16.0974) | -0.2525 | -2.02 | -2.02 | 0.0025529 |
| 1096 | 15.8325 | 16.0850 | | 0.0068 | | | | (16.0716, 16.0983) | -0.2524 | -2.02 | -2.02 | 0.0029904 |
| 1099 | 16.0965 | 15.8416 | | 0.0068 | | | | (15.8283, 15.8549) | 0.2549 | 2.04 | 2.04 | 0.0029540 |
| 1111 | 16.3516 | 16.0926 | | 0.0074 | | | | (16.0781, 16.1072) | 0.2590 | 2.08 | 2.08 | 0.0035370 |
| 1113 | 16.3516 | 16.1005 | | 0.0082 | | | | (16.0844, 16.1166) | 0.2511 | 2.01 | 2.01 | 0.0043220 |
| 1116 | 16.3516 | 16.1011 | | 0.0072 | | | | (16.0870, 16.1152) | 0.2505 | 2.01 | 2.01 | 0.0033122 |
| 1143 | 16.6067 | 16.3510 | | 0.0083 | | | | (16.3348, 16.3672) | 0.2557 | 2.05 | 2.05 | 0.0043663 |
| 1147 | 16.3427 | 16.5940 | | 0.0076 | | | | (16.5790, 16.6089) | -0.2512 | -2.01 | -2.02 | 0.0037202 |
| 1148 | 16.6067 | 16.3412 | | 0.0075 | | | | (16.3265, 16.3560) | 0.2654 | 2.13 | 2.13 | 0.0036230 |
| 1227 | 16.3427 | 16.6231 | | 0.0076 | | | | (16.6081, 16.6381) | -0.2804 | -2.25 | -2.25 | 0.0037366 |
| 1232 | 16.3427 | 16.6156 | | 0.0078 | | | | (16.6003, 16.6309) | -0.2729 | -2.19 | -2.19 | 0.0039146 |
| 1236 | 16.3427 | 16.6014 | | 0.0071 | | | | (16.5875, 16.6153) | -0.2586 | -2.07 | -2.07 | 0.0032188 |
| 1241 | 16.6067 | 16.3546 | | 0.0071 | | | | (16.3408, 16.3684) | 0.2521 | 2.02 | 2.02 | 0.0031838 |
| 1281 | 16.8618 | 16.5961 | | 0.0079 | | | | (16.5806, 16.6115) | 0.2657 | 2.13 | 2.13 | 0.0039815 |
| 1284 | 16.8618 | 16.6052 | | 0.0086 | | | | (16.5884, 16.6220) | 0.2566 | 2.06 | 2.06 | 0.0046960 |
| 1316 | 16.8618 | 16.5882 | | 0.0077 | | | | (16.5731, 16.6032) | 0.2736 | 2.19 | 2.19 | 0.0037825 |
| 1321 | 16.8618 | 16.5830 | | 0.0064 | | | | (16.5705, 16.5954) | 0.2788 | 2.23 | 2.24 | 0.0025887 |
| 1328 | 16.8618 | 16.5929 | | 0.0067 | | | | (16.5798, 16.6059) | 0.2689 | 2.16 | 2.16 | 0.0028546 |
| 1331 | 16.8618 | 16.5932 | | 0.0067 | | | | (16.5801, 16.6063) | 0.2686 | 2.15 | 2.15 | 0.0028679 |
| 1337 | 16.8618 | 16.6029 | | 0.0071 | | | | (16.5889, 16.6169) | 0.2589 | 2.08 | 2.08 | 0.0032653 |
| 1343 | 16.8618 | 16.5999 | | 0.0073 | | | | (16.5856, 16.6141) | 0.2619 | 2.10 | 2.10 | 0.0033983 |
| 1348 | 16.5978 | 16.8478 | | 0.0065 | | | | (16.8351, 16.8604) | -0.2499 | -2.00 | -2.00 | 0.0026850 |
| 1350 | 16.8618 | 16.6050 | | 0.0060 | | | | (16.5933, 16.6167) | 0.2568 | 2.06 | 2.06 | 0.0022810 |
| 1355 | 16.5978 | 16.8517 | | 0.0069 | | | | (16.8382, 16.8652) | -0.2538 | -2.03 | -2.04 | 0.0030397 |
| 1360 | 16.8618 | 16.5978 | | 0.0066 | | | | (16.5848, 16.6107) | 0.2640 | 2.12 | 2.12 | 0.0028008 |
| 1365 | 16.8618 | 16.5960 | | 0.0070 | | | | (16.5823, 16.6098) | 0.2658 | 2.13 | 2.13 | 0.0031478 |
| 1369 | 16.5978 | 16.8531 | | 0.0070 | | | | (16.8394, 16.8668) | -0.2552 | -2.05 | -2.05 | 0.0031310 |
| 1371 | 16.8618 | 16.6071 | | 0.0074 | | | | (16.5925, 16.6217) | 0.2547 | 2.04 | 2.04 | 0.0035424 |
| 1381 | 16.8618 | 16.6076 | | 0.0068 | | | | (16.5944, 16.6209) | 0.2542 | 2.04 | 2.04 | 0.0029294 |
| 1401 | 16.8618 | 16.5986 | | 0.0071 | | | | (16.5847, 16.6126) | 0.2632 | 2.11 | 2.11 | 0.0032532 |
| 1405 | 17.1169 | 16.8490 | | 0.0067 | | | | (16.8359, 16.8621) | 0.2679 | 2.15 | 2.15 | 0.0028602 |
| 1408 | 17.1169 | 16.8425 | | 0.0059 | | | | (16.8308, 16.8541) | 0.2744 | 2.20 | 2.20 | 0.0022631 |
| 1411 | 17.1169 | 16.8545 | | 0.0063 | | | | (16.8422, 16.8669) | 0.2624 | 2.10 | 2.10 | 0.0025444 |
| 1430 | 16.8618 | 16.6107 | | 0.0067 | | | | (16.5975, 16.6239) | 0.2511 | 2.01 | 2.01 | 0.0029123 |
| 1435 | 17.1169 | 16.8516 | | 0.0054 | | | | (16.8411, 16.8621) | 0.2653 | 2.13 | 2.13 | 0.0018365 |
| 1449 | 16.8529 | 16.6021 | | 0.0067 | | | | (16.5889, 16.6152) | 0.2509 | 2.01 | 2.01 | 0.0028791 |
| 1451 | 16.5978 | 16.8484 | | 0.0070 | | | | (16.8347, 16.8621) | -0.2505 | -2.01 | -2.01 | 0.0031290 |
| 1454 | 16.8618 | 16.6118 | | 0.0073 | | | | (16.5976, 16.6261) | 0.2500 | 2.00 | 2.00 | 0.0033747 |
| 1477 | 16.5978 | 16.8517 | | 0.0074 | | | | (16.8372, 16.8661) | -0.2538 | -2.03 | -2.04 | 0.0034959 |
| 1478 | 16.8618 | 16.6077 | | 0.0068 | | | | (16.5942, 16.6211) | 0.2541 | 2.04 | 2.04 | 0.0030015 |
| 1479 | 16.5978 | 16.8513 | | 0.0070 | | | | (16.8375, 16.8651) | -0.2535 | -2.03 | -2.03 | 0.0031789 |
| 1480 | 16.8618 | 16.6010 | | 0.0068 | | | | (16.5877, 16.6143) | 0.2608 | 2.09 | 2.09 | 0.0029424 |
| 1587 | 17.1169 | 16.8452 | | 0.0066 | | | | (16.8322, 16.8582) | 0.2717 | 2.18 | 2.18 | 0.0028240 |
| 1589 | 17.1169 | 16.8369 | | 0.0067 | | | | (16.8238, 16.8499) | 0.2800 | 2.24 | 2.25 | 0.0028505 |
| 1605 | 17.1169 | 16.8664 | | 0.0064 | | | | (16.8538, 16.8789) | 0.2505 | 2.01 | 2.01 | 0.0026351 |
| 1611 | 17.1169 | 16.8534 | | 0.0061 | | | | (16.8414, 16.8654) | 0.2635 | 2.11 | 2.11 | 0.0023999 |
| 1617 | 17.1169 | 16.8460 | | 0.0073 | | | | (16.8318, 16.8603) | 0.2708 | 2.17 | 2.17 | 0.0033733 |
| 1624 | 17.1169 | 16.8426 | | 0.0068 | | | | (16.8293, 16.8560) | 0.2743 | 2.20 | 2.20 | 0.0029707 |
| 1627 | 17.1169 | 16.8436 | | 0.0065 | | | | (16.8309, 16.8563) | 0.2733 | 2.19 | 2.19 | 0.0027006 |
| 1631 | 17.1169 | 16.8473 | | 0.0064 | | | | (16.8347, 16.8599) | 0.2696 | 2.16 | 2.16 | 0.0026492 |
| 1663 | 17.3720 | 17.0878 | | 0.0064 | | | | (17.0753, 17.1003) | 0.2842 | 2.28 | 2.28 | 0.0026085 |
| 1667 | 17.3720 | 17.0963 | | 0.0064 | | | | (17.0838, 17.1088) | 0.2757 | 2.21 | 2.21 | 0.0026015 |
| 1670 | 17.3720 | 17.0811 | | 0.0072 | | | | (17.0671, 17.0952) | 0.2909 | 2.33 | 2.33 | 0.0032786 |
| 1673 | 17.1080 | 16.8447 | | 0.0081 | | | | (16.8288, 16.8605) | 0.2634 | 2.11 | 2.11 | 0.0042048 |
| 1679 | 17.1169 | 16.8418 | | 0.0072 | | | | (16.8277, 16.8559) | 0.2751 | 2.21 | 2.21 | 0.0033142 |
| 1693 | 17.1080 | 16.8430 | | 0.0068 | | | | (16.8297, 16.8563) | 0.2651 | 2.12 | 2.13 | 0.0029371 |
| 1698 | 17.1169 | 16.8466 | | 0.0074 | | | | (16.8321, 16.8610) | 0.2703 | 2.17 | 2.17 | 0.0034881 |
| 1707 | 17.1169 | 16.8509 | | 0.0066 | | | | (16.8380, 16.8637) | 0.2660 | 2.13 | 2.13 | 0.0027608 |
| 1713 | 17.1169 | 16.8601 | | 0.0064 | | | | (16.8476, 16.8725) | 0.2568 | 2.06 | 2.06 | 0.0025860 |
| 1725 | 17.1257 | 16.8727 | | 0.0066 | | | | (16.8598, 16.8856) | 0.2530 | 2.03 | 2.03 | 0.0027839 |
| 1732 | 16.8618 | 17.1212 | | 0.0079 | | | | (17.1056, 17.1367) | -0.2594 | -2.08 | -2.08 | 0.0040410 |
| 1735 | 17.1257 | 16.8763 | | 0.0077 | | | | (16.8612, 16.8914) | 0.2495 | 2.00 | 2.00 | 0.0038058 |
| 1739 | 16.8618 | 17.1191 | | 0.0075 | | | | (17.1044, 17.1339) | -0.2574 | -2.06 | -2.06 | 0.0036322 |
| 1746 | 16.8618 | 17.1193 | | 0.0084 | | | | (17.1028, 17.1358) | -0.2575 | -2.07 | -2.07 | 0.0045446 |
| 1782 | 17.1080 | 16.8383 | | 0.0092 | | | | (16.8203, 16.8563) | 0.2697 | 2.16 | 2.17 | 0.0053959 |
| 1785 | 17.1169 | 16.8411 | | 0.0082 | | | | (16.8249, 16.8572) | 0.2758 | 2.21 | 2.21 | 0.0043569 |
| 1811 | 17.1080 | 16.8384 | | 0.0074 | | | | (16.8238, 16.8530) | 0.2697 | 2.16 | 2.16 | 0.0035414 |
| 1818 | 17.1169 | 16.8344 | | 0.0084 | | | | (16.8180, 16.8508) | 0.2825 | 2.27 | 2.27 | 0.0044875 |
| 1833 | 17.1257 | 16.8451 | | 0.0081 | | | | (16.8293, 16.8609) | 0.2806 | 2.25 | 2.25 | 0.0041561 |
| 1835 | 17.1257 | 16.8565 | | 0.0082 | | | | (16.8405, 16.8726) | 0.2692 | 2.16 | 2.16 | 0.0042771 |
| 1842 | 17.1257 | 16.8543 | | 0.0087 | | | | (16.8372, 16.8713) | 0.2715 | 2.18 | 2.18 | 0.0048519 |
| 1846 | 17.1257 | 16.8434 | | 0.0075 | | | | (16.8287, 16.8580) | 0.2824 | 2.26 | 2.27 | 0.0035692 |
| 1885 | 16.3427 | 16.6069 | | 0.0050 | | | | (16.5971, 16.6168) | -0.2642 | -2.12 | -2.12 | 0.0016074 |
| 1888 | 16.6067 | 16.3563 | | 0.0078 | | | | (16.3410, 16.3717) | 0.2503 | 2.01 | 2.01 | 0.0039390 |
| 1893 | 16.6155 | 16.3631 | | 0.0076 | | | | (16.3482, 16.3780) | 0.2525 | 2.02 | 2.02 | 0.0037101 |
| 1898 | 16.3516 | 16.6162 | | 0.0072 | | | | (16.6021, 16.6304) | -0.2646 | -2.12 | -2.12 | 0.0033358 |
| 1904 | 16.3516 | 16.6067 | | 0.0068 | | | | (16.5933, 16.6201) | -0.2551 | -2.04 | -2.05 | 0.0029911 |
| 1924 | 16.3604 | 16.6237 | | 0.0073 | | | | (16.6095, 16.6380) | -0.2633 | -2.11 | -2.11 | 0.0033922 |
| 1927 | 16.0965 | 16.6205 | | 0.0066 | | | | (16.6077, 16.6334) | -0.5241 | -4.20 | -4.21 | 0.0027578 |
| 1940 | 16.0965 | 16.3521 | | 0.0073 | | | | (16.3379, 16.3663) | -0.2556 | -2.05 | -2.05 | 0.0033733 |
| 1943 | 16.0965 | 16.3558 | | 0.0075 | | | | (16.3410, 16.3706) | -0.2593 | -2.08 | -2.08 | 0.0036460 |
| 1962 | 16.0965 | 16.3728 | | 0.0084 | | | | (16.3564, 16.3892) | -0.2763 | -2.22 | -2.22 | 0.0044842 |
| 1968 | 16.0965 | 16.3711 | | 0.0072 | | | | (16.3570, 16.3852) | -0.2746 | -2.20 | -2.20 | 0.0033184 |
| 1981 | 15.8414 | 16.1133 | | 0.0087 | | | | (16.0962, 16.1304) | -0.2719 | -2.18 | -2.18 | 0.0048809 |
| 1988 | 15.8414 | 16.1164 | | 0.0084 | | | | (16.1001, 16.1328) | -0.2751 | -2.21 | -2.21 | 0.0044731 |
| 2004 | 15.8414 | 16.1273 | | 0.0078 | | | | (16.1119, 16.1427) | -0.2859 | -2.29 | -2.29 | 0.0039406 |
| 2008 | 15.8414 | 16.1227 | | 0.0073 | | | | (16.1085, 16.1370) | -0.2813 | -2.26 | -2.26 | 0.0033764 |
| 2014 | 15.8414 | 16.0988 | | 0.0076 | | | | (16.0839, 16.1137) | -0.2574 | -2.06 | -2.06 | 0.0037204 |
| 2023 | 15.8502 | 16.1128 | | 0.0066 | | | | (16.0999, 16.1258) | -0.2626 | -2.10 | -2.11 | 0.0027784 |
| 2025 | 15.8414 | 16.1232 | | 0.0065 | | | | (16.1105, 16.1359) | -0.2818 | -2.26 | -2.26 | 0.0026864 |
| 2045 | 15.8502 | 16.1175 | | 0.0076 | | | | (16.1026, 16.1324) | -0.2673 | -2.14 | -2.14 | 0.0036836 |
| 2047 | 15.8502 | 16.1132 | | 0.0074 | | | | (16.0988, 16.1277) | -0.2630 | -2.11 | -2.11 | 0.0034783 |
| 2051 | 15.8502 | 16.1095 | | 0.0067 | | | | (16.0963, 16.1226) | -0.2592 | -2.08 | -2.08 | 0.0028731 |
| 2057 | 15.8502 | 16.1184 | | 0.0056 | | | | (16.1073, 16.1294) | -0.2681 | -2.15 | -2.15 | 0.0020216 |
| 2070 | 15.5863 | 15.8596 | | 0.0082 | | | | (15.8434, 15.8757) | -0.2733 | -2.19 | -2.19 | 0.0043233 |
| 2075 | 15.5863 | 15.8702 | | 0.0080 | | | | (15.8546, 15.8859) | -0.2839 | -2.28 | -2.28 | 0.0040766 |
| 2078 | 15.5863 | 15.8605 | | 0.0087 | | | | (15.8436, 15.8775) | -0.2742 | -2.20 | -2.20 | 0.0047937 |
| 2090 | 15.5863 | 15.8692 | | 0.0083 | | | | (15.8530, 15.8855) | -0.2830 | -2.27 | -2.27 | 0.0044010 |
| 2092 | 15.5863 | 15.8515 | | 0.0078 | | | | (15.8363, 15.8667) | -0.2652 | -2.13 | -2.13 | 0.0038739 |
| 2099 | 15.8414 | 16.1051 | | 0.0064 | | | | (16.0925, 16.1176) | -0.2637 | -2.11 | -2.11 | 0.0026176 |
| 2103 | 15.8414 | 16.1056 | | 0.0070 | | | | (16.0919, 16.1193) | -0.2642 | -2.12 | -2.12 | 0.0031438 |
| 2123 | 15.5863 | 15.8556 | | 0.0081 | | | | (15.8398, 15.8715) | -0.2694 | -2.16 | -2.16 | 0.0041731 |
| 2129 | 15.8502 | 16.1116 | | 0.0087 | | | | (16.0946, 16.1285) | -0.2613 | -2.10 | -2.10 | 0.0048007 |
| 2131 | 15.8502 | 16.1122 | | 0.0082 | | | | (16.0962, 16.1283) | -0.2620 | -2.10 | -2.10 | 0.0042798 |
| 2133 | 15.8502 | 16.1072 | | 0.0079 | | | | (16.0918, 16.1226) | -0.2570 | -2.06 | -2.06 | 0.0039545 |
| 2181 | 15.5951 | 15.8741 | | 0.0075 | | | | (15.8595, 15.8887) | -0.2790 | -2.24 | -2.24 | 0.0035570 |
| 2184 | 15.5951 | 15.8746 | | 0.0062 | | | | (15.8626, 15.8867) | -0.2795 | -2.24 | -2.24 | 0.0024352 |
| 2193 | 15.8502 | 16.1058 | | 0.0048 | | | | (16.0965, 16.1151) | -0.2556 | -2.05 | -2.05 | 0.0014503 |
| 2211 | 15.5863 | 15.8776 | | 0.0066 | | | | (15.8648, 15.8905) | -0.2913 | -2.33 | -2.34 | 0.0027572 |
| 2217 | 15.5863 | 15.8608 | | 0.0069 | | | | (15.8472, 15.8744) | -0.2745 | -2.20 | -2.20 | 0.0030818 |
| 2224 | 15.5863 | 15.8608 | | 0.0079 | | | | (15.8454, 15.8762) | -0.2745 | -2.20 | -2.20 | 0.0039493 |
| 2256 | 15.5863 | 15.8553 | | 0.0077 | | | | (15.8402, 15.8704) | -0.2690 | -2.16 | -2.16 | 0.0037956 |
| 2258 | 15.5863 | 15.8628 | | 0.0066 | | | | (15.8498, 15.8757) | -0.2765 | -2.22 | -2.22 | 0.0028058 |
| 2284 | 15.8591 | 16.1260 | | 0.0070 | | | | (16.1122, 16.1397) | -0.2669 | -2.14 | -2.14 | 0.0031494 |
| 2286 | 15.8591 | 16.1228 | | 0.0078 | | | | (16.1076, 16.1380) | -0.2637 | -2.11 | -2.12 | 0.0038638 |
| 2291 | 15.8591 | 16.1165 | | 0.0085 | | | | (16.0999, 16.1332) | -0.2575 | -2.07 | -2.07 | 0.0046409 |
| 2318 | 16.1142 | 15.8530 | | 0.0085 | | | | (15.8363, 15.8697) | 0.2611 | 2.09 | 2.10 | 0.0046437 |
| 2320 | 15.8502 | 16.1116 | | 0.0072 | | | | (16.0976, 16.1257) | -0.2614 | -2.10 | -2.10 | 0.0032794 |
| 2328 | 15.8502 | 16.1293 | | 0.0080 | | | | (16.1136, 16.1451) | -0.2791 | -2.24 | -2.24 | 0.0041352 |
| 2342 | 15.8502 | 16.1025 | | 0.0069 | | | | (16.0889, 16.1161) | -0.2523 | -2.02 | -2.02 | 0.0030824 |
| 2350 | 16.1053 | 15.8436 | | 0.0064 | | | | (15.8312, 15.8561) | 0.2617 | 2.10 | 2.10 | 0.0025829 |
| 2359 | 16.1053 | 15.8491 | | 0.0068 | | | | (15.8359, 15.8624) | 0.2562 | 2.05 | 2.05 | 0.0029264 |
| 2370 | 15.8414 | 16.1018 | | 0.0058 | | | | (16.0904, 16.1132) | -0.2604 | -2.09 | -2.09 | 0.0021559 |
| 2374 | 15.8502 | 16.1063 | | 0.0070 | | | | (16.0924, 16.1201) | -0.2560 | -2.05 | -2.05 | 0.0031821 |
| 2377 | 16.1053 | 15.8542 | | 0.0083 | | | | (15.8380, 15.8705) | 0.2511 | 2.01 | 2.01 | 0.0043997 |
| 2379 | 16.6155 | 16.1003 | | 0.0069 | | | | (16.0868, 16.1138) | 0.5152 | 4.13 | 4.14 | 0.0030252 |
| 2380 | 16.8706 | 16.5750 | | 0.0078 | | | | (16.5597, 16.5903) | 0.2957 | 2.37 | 2.37 | 0.0038954 |
| 2386 | 16.8706 | 16.5533 | | 0.0082 | | | | (16.5373, 16.5694) | 0.3173 | 2.55 | 2.55 | 0.0042878 |
| 2404 | 16.6155 | 16.3185 | | 0.0079 | | | | (16.3030, 16.3341) | 0.2970 | 2.38 | 2.38 | 0.0040251 |
| 2411 | 16.8706 | 16.3290 | | 0.0086 | | | | (16.3122, 16.3458) | 0.5416 | 4.35 | 4.35 | 0.0047052 |
| 2420 | 16.6067 | 16.3197 | | 0.0084 | | | | (16.3033, 16.3361) | 0.2870 | 2.30 | 2.30 | 0.0044722 |
| 2421 | 16.8706 | 16.5479 | | 0.0080 | | | | (16.5322, 16.5636) | 0.3227 | 2.59 | 2.59 | 0.0040840 |
| 2426 | 16.6155 | 16.3212 | | 0.0079 | | | | (16.3057, 16.3367) | 0.2944 | 2.36 | 2.36 | 0.0040184 |
| 2460 | 16.3693 | 16.0913 | | 0.0069 | | | | (16.0778, 16.1048) | 0.2780 | 2.23 | 2.23 | 0.0030169 |
| 2466 | 16.3693 | 16.0831 | | 0.0066 | | | | (16.0701, 16.0961) | 0.2862 | 2.29 | 2.29 | 0.0028324 |
| 2472 | 16.3693 | 16.1065 | | 0.0064 | | | | (16.0939, 16.1191) | 0.2628 | 2.11 | 2.11 | 0.0026562 |
| 2474 | 16.3693 | 16.1098 | | 0.0061 | | | | (16.0978, 16.1217) | 0.2595 | 2.08 | 2.08 | 0.0023853 |
| 2487 | 16.3693 | 16.1061 | | 0.0079 | | | | (16.0906, 16.1217) | 0.2631 | 2.11 | 2.11 | 0.0040328 |
| 2490 | 16.1053 | 16.3548 | | 0.0081 | | | | (16.3389, 16.3707) | -0.2495 | -2.00 | -2.00 | 0.0042370 |
| 2500 | 16.3693 | 16.1045 | | 0.0066 | | | | (16.0915, 16.1175) | 0.2648 | 2.12 | 2.12 | 0.0028042 |
| 2511 | 16.3693 | 16.0967 | | 0.0067 | | | | (16.0835, 16.1099) | 0.2726 | 2.19 | 2.19 | 0.0029099 |
| 2524 | 16.3693 | 16.1178 | | 0.0066 | | | | (16.1048, 16.1308) | 0.2515 | 2.02 | 2.02 | 0.0028012 |
| 2546 | 15.8502 | 16.1206 | | 0.0070 | | | | (16.1069, 16.1343) | -0.2704 | -2.17 | -2.17 | 0.0031400 |
| 2548 | 16.1142 | 15.8645 | | 0.0083 | | | | (15.8482, 15.8809) | 0.2497 | 2.00 | 2.00 | 0.0044627 |
| 2564 | 16.3693 | 16.1097 | | 0.0079 | | | | (16.0943, 16.1251) | 0.2596 | 2.08 | 2.08 | 0.0039658 |
| 2570 | 16.3693 | 16.0896 | | 0.0067 | | | | (16.0764, 16.1028) | 0.2797 | 2.24 | 2.24 | 0.0029016 |
| 2571 | 15.8502 | 16.3466 | | 0.0065 | | | | (16.3338, 16.3595) | -0.4964 | -3.98 | -3.98 | 0.0027469 |
| 2573 | 15.8502 | 16.1158 | | 0.0058 | | | | (16.1046, 16.1271) | -0.2656 | -2.13 | -2.13 | 0.0021256 |
| 2581 | 15.8502 | 16.1007 | | 0.0071 | | | | (16.0868, 16.1147) | -0.2505 | -2.01 | -2.01 | 0.0032433 |
| 2582 | 16.1142 | 15.8579 | | 0.0062 | | | | (15.8457, 15.8701) | 0.2563 | 2.05 | 2.05 | 0.0024801 |
| 2583 | 15.8502 | 16.1069 | | 0.0065 | | | | (16.0942, 16.1196) | -0.2567 | -2.06 | -2.06 | 0.0026755 |
| 2584 | 16.1142 | 15.8528 | | 0.0060 | | | | (15.8410, 15.8645) | 0.2614 | 2.09 | 2.10 | 0.0023165 |
| 2587 | 15.8502 | 16.1016 | | 0.0069 | | | | (16.0881, 16.1151) | -0.2514 | -2.01 | -2.02 | 0.0030175 |
| 2588 | 16.1142 | 15.8503 | | 0.0064 | | | | (15.8377, 15.8629) | 0.2639 | 2.11 | 2.12 | 0.0026594 |
| 2610 | 16.1053 | 15.8499 | | 0.0062 | | | | (15.8379, 15.8620) | 0.2554 | 2.05 | 2.05 | 0.0024280 |
| 2613 | 16.1142 | 15.8509 | | 0.0075 | | | | (15.8363, 15.8655) | 0.2633 | 2.11 | 2.11 | 0.0035731 |
| 2628 | 15.6040 | 15.8639 | | 0.0057 | | | | (15.8527, 15.8751) | -0.2599 | -2.08 | -2.08 | 0.0020839 |
| 2630 | 14.3373 | 15.6273 | | 0.0065 | | | | (15.6145, 15.6401) | -1.2900 | -10.34 | -10.46 | 0.0027332 |
| 2631 | 15.8679 | 14.4472 | | 0.0111 | | | | (14.4255, 14.4690) | 1.4207 | 11.42 | 11.58 | 0.0079056 |
| 2647 | 15.5951 | 15.8562 | | 0.0071 | | | | (15.8422, 15.8701) | -0.2610 | -2.09 | -2.09 | 0.0032452 |
| 2657 | 15.8591 | 15.5983 | | 0.0076 | | | | (15.5833, 15.6132) | 0.2608 | 2.09 | 2.09 | 0.0037257 |
| 2659 | 15.6040 | 15.8536 | | 0.0085 | | | | (15.8369, 15.8703) | -0.2496 | -2.00 | -2.00 | 0.0046558 |
| 2661 | 15.8591 | 15.5990 | | 0.0091 | | | | (15.5812, 15.6168) | 0.2601 | 2.09 | 2.09 | 0.0052926 |
| 2667 | 15.8591 | 15.6089 | | 0.0093 | | | | (15.5907, 15.6270) | 0.2502 | 2.01 | 2.01 | 0.0054988 |
| 2674 | 15.6040 | 15.8574 | | 0.0086 | | | | (15.8404, 15.8743) | -0.2534 | -2.03 | -2.03 | 0.0047823 |
| 2691 | 15.6040 | 15.8628 | | 0.0074 | | | | (15.8484, 15.8773) | -0.2589 | -2.08 | -2.08 | 0.0034632 |
| 2697 | 15.6040 | 15.8559 | | 0.0078 | | | | (15.8406, 15.8711) | -0.2519 | -2.02 | -2.02 | 0.0038647 |
| 2717 | 15.6040 | 15.8626 | | 0.0071 | | | | (15.8487, 15.8765) | -0.2586 | -2.07 | -2.07 | 0.0032078 |
| 2724 | 15.6040 | 15.8713 | | 0.0076 | | | | (15.8564, 15.8862) | -0.2673 | -2.14 | -2.14 | 0.0037027 |
| 2741 | 15.6040 | 15.8669 | | 0.0083 | | | | (15.8507, 15.8831) | -0.2629 | -2.11 | -2.11 | 0.0043910 |
| 2758 | 15.3489 | 15.6208 | | 0.0076 | | | | (15.6059, 15.6357) | -0.2720 | -2.18 | -2.18 | 0.0036983 |
| 2763 | 15.3489 | 15.6270 | | 0.0062 | | | | (15.6148, 15.6391) | -0.2781 | -2.23 | -2.23 | 0.0024601 |
| 2768 | 15.3489 | 15.6157 | | 0.0064 | | | | (15.6030, 15.6283) | -0.2668 | -2.14 | -2.14 | 0.0026610 |
| 2775 | 15.3489 | 15.6079 | | 0.0079 | | | | (15.5923, 15.6234) | -0.2590 | -2.08 | -2.08 | 0.0040376 |
| 2797 | 15.3489 | 15.6156 | | 0.0090 | | | | (15.5979, 15.6332) | -0.2667 | -2.14 | -2.14 | 0.0051772 |
| 2810 | 15.3489 | 15.6153 | | 0.0074 | | | | (15.6008, 15.6298) | -0.2664 | -2.14 | -2.14 | 0.0035046 |
| 2816 | 15.3489 | 15.6044 | | 0.0066 | | | | (15.5914, 15.6173) | -0.2555 | -2.05 | -2.05 | 0.0027970 |
| 2822 | 15.3489 | 15.6198 | | 0.0067 | | | | (15.6066, 15.6330) | -0.2709 | -2.17 | -2.17 | 0.0028965 |
| 2828 | 15.3489 | 15.6079 | | 0.0078 | | | | (15.5927, 15.6231) | -0.2590 | -2.08 | -2.08 | 0.0038499 |
| 2832 | 15.3489 | 15.6121 | | 0.0071 | | | | (15.5981, 15.6260) | -0.2632 | -2.11 | -2.11 | 0.0032535 |
| 2842 | 15.8679 | 15.6105 | | 0.0077 | | | | (15.5954, 15.6255) | 0.2575 | 2.06 | 2.07 | 0.0037542 |
| 2843 | 16.1230 | 15.8438 | | 0.0073 | | | | (15.8295, 15.8582) | 0.2792 | 2.24 | 2.24 | 0.0034379 |
| 2844 | 16.3781 | 16.0865 | | 0.0078 | | | | (16.0713, 16.1018) | 0.2916 | 2.34 | 2.34 | 0.0038651 |
| 2852 | 16.3693 | 16.0714 | | 0.0085 | | | | (16.0546, 16.0881) | 0.2979 | 2.39 | 2.39 | 0.0046706 |
| 2859 | 16.3693 | 16.0748 | | 0.0093 | | | | (16.0566, 16.0931) | 0.2945 | 2.36 | 2.36 | 0.0055436 |
| 2862 | 16.3693 | 16.0727 | | 0.0086 | | | | (16.0558, 16.0896) | 0.2966 | 2.38 | 2.38 | 0.0047403 |
| 2868 | 16.3693 | 16.0850 | | 0.0080 | | | | (16.0693, 16.1007) | 0.2843 | 2.28 | 2.28 | 0.0041005 |
| 2876 | 16.3693 | 16.0779 | | 0.0069 | | | | (16.0643, 16.0915) | 0.2914 | 2.34 | 2.34 | 0.0030938 |
| 2877 | 15.8502 | 16.3220 | | 0.0083 | | | | (16.3056, 16.3383) | -0.4717 | -3.78 | -3.79 | 0.0044570 |
| 2878 | 16.3693 | 15.8385 | | 0.0084 | | | | (15.8220, 15.8550) | 0.5308 | 4.26 | 4.27 | 0.0045257 |
| 2882 | 16.3693 | 16.0878 | | 0.0072 | | | | (16.0736, 16.1020) | 0.2815 | 2.26 | 2.26 | 0.0033543 |
| 2900 | 16.1230 | 15.8407 | | 0.0071 | | | | (15.8268, 15.8547) | 0.2823 | 2.26 | 2.26 | 0.0032273 |
| 2908 | 16.1142 | 15.8389 | | 0.0086 | | | | (15.8220, 15.8559) | 0.2752 | 2.21 | 2.21 | 0.0047841 |
| 2927 | 16.1230 | 15.8367 | | 0.0082 | | | | (15.8207, 15.8527) | 0.2863 | 2.30 | 2.30 | 0.0042737 |
| 2930 | 16.1230 | 15.6044 | | 0.0086 | | | | (15.5876, 15.6212) | 0.5186 | 4.16 | 4.17 | 0.0046880 |
| 2936 | 16.1230 | 15.8460 | | 0.0073 | | | | (15.8316, 15.8603) | 0.2771 | 2.22 | 2.22 | 0.0034453 |
| 2937 | 15.6040 | 16.0876 | | 0.0077 | | | | (16.0726, 16.1026) | -0.4836 | -3.88 | -3.88 | 0.0037595 |
| 2976 | 16.1230 | 15.8666 | | 0.0056 | | | | (15.8556, 15.8775) | 0.2565 | 2.05 | 2.06 | 0.0019931 |
| 2983 | 16.1230 | 15.8560 | | 0.0063 | | | | (15.8437, 15.8684) | 0.2670 | 2.14 | 2.14 | 0.0025310 |
| 2989 | 16.1230 | 15.8535 | | 0.0076 | | | | (15.8387, 15.8684) | 0.2695 | 2.16 | 2.16 | 0.0036762 |
| 2996 | 16.1230 | 15.8439 | | 0.0059 | | | | (15.8322, 15.8555) | 0.2792 | 2.24 | 2.24 | 0.0022573 |
| 3009 | 16.1230 | 15.8290 | | 0.0073 | | | | (15.8146, 15.8433) | 0.2941 | 2.36 | 2.36 | 0.0034235 |
| 3013 | 15.8679 | 15.5974 | | 0.0083 | | | | (15.5812, 15.6137) | 0.2705 | 2.17 | 2.17 | 0.0043882 |
| 3024 | 15.8591 | 15.6092 | | 0.0074 | | | | (15.5946, 15.6237) | 0.2499 | 2.00 | 2.00 | 0.0035337 |
| 3028 | 15.8679 | 15.6035 | | 0.0063 | | | | (15.5911, 15.6159) | 0.2644 | 2.12 | 2.12 | 0.0025565 |
| 3038 | 15.8679 | 15.5955 | | 0.0065 | | | | (15.5827, 15.6083) | 0.2725 | 2.18 | 2.18 | 0.0027286 |
| 3040 | 15.8591 | 15.5930 | | 0.0067 | | | | (15.5799, 15.6060) | 0.2661 | 2.13 | 2.13 | 0.0028447 |
| 3042 | 15.8679 | 15.5924 | | 0.0090 | | | | (15.5748, 15.6100) | 0.2755 | 2.21 | 2.21 | 0.0051751 |
| 3044 | 15.8679 | 15.6015 | | 0.0084 | | | | (15.5849, 15.6180) | 0.2664 | 2.14 | 2.14 | 0.0045719 |
| 3051 | 15.8679 | 15.6092 | | 0.0077 | | | | (15.5942, 15.6242) | 0.2587 | 2.07 | 2.08 | 0.0037661 |
| 3060 | 15.8679 | 15.6158 | | 0.0081 | | | | (15.6000, 15.6317) | 0.2521 | 2.02 | 2.02 | 0.0041677 |
| 3062 | 15.8679 | 15.6074 | | 0.0064 | | | | (15.5949, 15.6199) | 0.2606 | 2.09 | 2.09 | 0.0025981 |
| 3065 | 15.8679 | 15.5993 | | 0.0070 | | | | (15.5855, 15.6131) | 0.2687 | 2.15 | 2.15 | 0.0031691 |
| 3079 | 15.8679 | 15.5815 | | 0.0064 | | | | (15.5690, 15.5940) | 0.2864 | 2.30 | 2.30 | 0.0026038 |
| 3084 | 15.8679 | 15.5753 | | 0.0068 | | | | (15.5619, 15.5888) | 0.2926 | 2.35 | 2.35 | 0.0030040 |
| 3091 | 15.8679 | 15.5776 | | 0.0068 | | | | (15.5642, 15.5909) | 0.2904 | 2.33 | 2.33 | 0.0029650 |
| 3096 | 15.8679 | 15.5919 | | 0.0061 | | | | (15.5799, 15.6039) | 0.2761 | 2.21 | 2.21 | 0.0024019 |
| 3100 | 15.8679 | 15.5909 | | 0.0055 | | | | (15.5801, 15.6018) | 0.2770 | 2.22 | 2.22 | 0.0019604 |
| 3103 | 15.8679 | 15.5945 | | 0.0049 | | | | (15.5849, 15.6040) | 0.2735 | 2.19 | 2.19 | 0.0015292 |
| 3109 | 15.8679 | 15.5910 | | 0.0050 | | | | (15.5813, 15.6007) | 0.2769 | 2.22 | 2.22 | 0.0015794 |
| 3114 | 15.8679 | 15.5859 | | 0.0056 | | | | (15.5749, 15.5968) | 0.2821 | 2.26 | 2.26 | 0.0019932 |
| 3120 | 15.8679 | 15.5702 | | 0.0074 | | | | (15.5557, 15.5848) | 0.2977 | 2.39 | 2.39 | 0.0035112 |
| 3126 | 15.8679 | 15.5680 | | 0.0058 | | | | (15.5567, 15.5793) | 0.2999 | 2.40 | 2.40 | 0.0021211 |
| 3133 | 15.8679 | 15.5756 | | 0.0078 | | | | (15.5604, 15.5909) | 0.2923 | 2.34 | 2.34 | 0.0038647 |
| 3148 | 15.6040 | 15.3240 | | 0.0062 | | | | (15.3118, 15.3361) | 0.2800 | 2.24 | 2.24 | 0.0024584 |
| 3181 | 15.8679 | 15.5773 | | 0.0067 | | | | (15.5642, 15.5904) | 0.2906 | 2.33 | 2.33 | 0.0028804 |
| 3216 | 15.8679 | 15.5775 | | 0.0066 | | | | (15.5647, 15.5904) | 0.2904 | 2.33 | 2.33 | 0.0027610 |
| 3229 | 15.8679 | 15.5767 | | 0.0079 | | | | (15.5613, 15.5922) | 0.2912 | 2.34 | 2.34 | 0.0039853 |
| 3231 | 15.8679 | 15.5679 | | 0.0070 | | | | (15.5541, 15.5816) | 0.3001 | 2.41 | 2.41 | 0.0031462 |
| 3233 | 15.8679 | 15.5729 | | 0.0081 | | | | (15.5571, 15.5887) | 0.2951 | 2.37 | 2.37 | 0.0041518 |
| 3243 | 15.8679 | 15.5900 | | 0.0069 | | | | (15.5765, 15.6034) | 0.2779 | 2.23 | 2.23 | 0.0030150 |
| 3274 | 15.6217 | 15.3670 | | 0.0063 | | | | (15.3545, 15.3794) | 0.2547 | 2.04 | 2.04 | 0.0025783 |
| 3288 | 15.6217 | 15.3637 | | 0.0081 | | | | (15.3478, 15.3796) | 0.2580 | 2.07 | 2.07 | 0.0042085 |
| 3289 | 15.3577 | 15.6082 | | 0.0083 | | | | (15.5919, 15.6245) | -0.2505 | -2.01 | -2.01 | 0.0044366 |
| 3293 | 15.6217 | 15.3595 | | 0.0086 | | | | (15.3427, 15.3763) | 0.2622 | 2.10 | 2.10 | 0.0047046 |
| 3302 | 15.1115 | 15.3672 | | 0.0083 | | | | (15.3509, 15.3836) | -0.2558 | -2.05 | -2.05 | 0.0044383 |
| 3305 | 15.1026 | 15.3593 | | 0.0072 | | | | (15.3452, 15.3734) | -0.2567 | -2.06 | -2.06 | 0.0033020 |
| 3327 | 14.8564 | 15.1316 | | 0.0064 | | | | (15.1190, 15.1442) | -0.2752 | -2.21 | -2.21 | 0.0026525 |
| 3332 | 14.8564 | 15.1328 | | 0.0055 | | | | (15.1221, 15.1436) | -0.2765 | -2.21 | -2.22 | 0.0019373 |
| 3338 | 14.8475 | 15.1108 | | 0.0062 | | | | (15.0986, 15.1230) | -0.2633 | -2.11 | -2.11 | 0.0024804 |
| 3344 | 14.8564 | 15.1172 | | 0.0056 | | | | (15.1062, 15.1282) | -0.2608 | -2.09 | -2.09 | 0.0020083 |
| 3348 | 14.5924 | 15.1128 | | 0.0057 | | | | (15.1016, 15.1239) | -0.5204 | -4.17 | -4.18 | 0.0020816 |
| 3351 | 14.5924 | 14.8586 | | 0.0053 | | | | (14.8482, 14.8689) | -0.2662 | -2.13 | -2.13 | 0.0017839 |
| 3362 | 14.5924 | 14.8668 | | 0.0052 | | | | (14.8567, 14.8769) | -0.2744 | -2.20 | -2.20 | 0.0017049 |
| 3370 | 14.6013 | 14.8789 | | 0.0074 | | | | (14.8645, 14.8934) | -0.2777 | -2.23 | -2.23 | 0.0034667 |
| 3385 | 14.6013 | 14.8710 | | 0.0079 | | | | (14.8555, 14.8865) | -0.2697 | -2.16 | -2.16 | 0.0040241 |
| 3393 | 14.6013 | 14.8942 | | 0.0066 | | | | (14.8813, 14.9071) | -0.2929 | -2.35 | -2.35 | 0.0027600 |
| 3403 | 14.6013 | 14.8801 | | 0.0061 | | | | (14.8682, 14.8920) | -0.2788 | -2.23 | -2.23 | 0.0023628 |
| 3405 | 14.6013 | 14.8813 | | 0.0067 | | | | (14.8681, 14.8945) | -0.2800 | -2.24 | -2.25 | 0.0029032 |
| 3406 | 14.3373 | 14.6384 | | 0.0078 | | | | (14.6231, 14.6537) | -0.3011 | -2.41 | -2.42 | 0.0039249 |
| 3425 | 14.3373 | 14.6238 | | 0.0062 | | | | (14.6117, 14.6359) | -0.2865 | -2.30 | -2.30 | 0.0024281 |
| 3445 | 14.3462 | 14.6111 | | 0.0057 | | | | (14.5999, 14.6224) | -0.2650 | -2.12 | -2.12 | 0.0021029 |
| 3483 | 14.0911 | 14.3868 | | 0.0061 | | | | (14.3749, 14.3987) | -0.2957 | -2.37 | -2.37 | 0.0023642 |
| 3486 | 14.0911 | 14.3844 | | 0.0067 | | | | (14.3713, 14.3975) | -0.2933 | -2.35 | -2.35 | 0.0028747 |
| 3492 | 14.0911 | 14.3891 | | 0.0064 | | | | (14.3766, 14.4016) | -0.2980 | -2.39 | -2.39 | 0.0026035 |
| 3493 | 14.6101 | 14.1418 | | 0.0076 | | | | (14.1270, 14.1567) | 0.4683 | 3.75 | 3.76 | 0.0036883 |
| 3495 | 14.3550 | 14.6350 | | 0.0067 | | | | (14.6218, 14.6481) | -0.2800 | -2.24 | -2.24 | 0.0028922 |
| 3499 | 14.0911 | 14.3931 | | 0.0065 | | | | (14.3804, 14.4058) | -0.3020 | -2.42 | -2.42 | 0.0026789 |
| 3503 | 14.0911 | 14.3818 | | 0.0062 | | | | (14.3696, 14.3941) | -0.2908 | -2.33 | -2.33 | 0.0024953 |
| 3506 | 14.0911 | 14.3932 | | 0.0067 | | | | (14.3801, 14.4064) | -0.3022 | -2.42 | -2.42 | 0.0028962 |
| 3511 | 14.0911 | 14.3735 | | 0.0062 | | | | (14.3614, 14.3856) | -0.2825 | -2.26 | -2.26 | 0.0024253 |
| 3514 | 14.0911 | 14.3900 | | 0.0071 | | | | (14.3761, 14.4039) | -0.2989 | -2.40 | -2.40 | 0.0032247 |
| 3519 | 14.3550 | 14.6348 | | 0.0064 | | | | (14.6223, 14.6473) | -0.2798 | -2.24 | -2.24 | 0.0025921 |
| 3523 | 14.0911 | 14.3860 | | 0.0070 | | | | (14.3723, 14.3998) | -0.2950 | -2.36 | -2.37 | 0.0031515 |
| 3558 | 14.3550 | 14.6336 | | 0.0065 | | | | (14.6209, 14.6463) | -0.2786 | -2.23 | -2.23 | 0.0026819 |
| 3564 | 14.3462 | 14.6359 | | 0.0062 | | | | (14.6236, 14.6481) | -0.2897 | -2.32 | -2.32 | 0.0024949 |
| 3567 | 14.3550 | 14.6370 | | 0.0063 | | | | (14.6247, 14.6493) | -0.2820 | -2.26 | -2.26 | 0.0025224 |
| 3569 | 14.0911 | 14.3980 | | 0.0065 | | | | (14.3852, 14.4108) | -0.3069 | -2.46 | -2.46 | 0.0027149 |
| 3581 | 14.0911 | 14.3686 | | 0.0067 | | | | (14.3553, 14.3818) | -0.2775 | -2.22 | -2.23 | 0.0029136 |
| 3584 | 14.0911 | 14.3673 | | 0.0066 | | | | (14.3544, 14.3803) | -0.2763 | -2.21 | -2.22 | 0.0027815 |
| 3593 | 14.0911 | 14.3690 | | 0.0075 | | | | (14.3543, 14.3837) | -0.2779 | -2.23 | -2.23 | 0.0035821 |
| 3613 | 14.3550 | 14.6221 | | 0.0083 | | | | (14.6058, 14.6384) | -0.2671 | -2.14 | -2.14 | 0.0044246 |
| 3616 | 14.3550 | 14.6228 | | 0.0083 | | | | (14.6066, 14.6389) | -0.2677 | -2.15 | -2.15 | 0.0043649 |
| 3620 | 15.1203 | 14.8632 | | 0.0090 | | | | (14.8456, 14.8807) | 0.2571 | 2.06 | 2.06 | 0.0051337 |
| 3626 | 14.8652 | 15.1230 | | 0.0067 | | | | (15.1098, 15.1361) | -0.2577 | -2.07 | -2.07 | 0.0028633 |
| 3631 | 14.8564 | 15.1196 | | 0.0074 | | | | (15.1051, 15.1341) | -0.2632 | -2.11 | -2.11 | 0.0035002 |
| 3632 | 15.1203 | 14.8697 | | 0.0075 | | | | (14.8549, 14.8844) | 0.2507 | 2.01 | 2.01 | 0.0036323 |
| 3662 | 14.8564 | 14.6014 | | 0.0053 | | | | (14.5910, 14.6119) | 0.2550 | 2.04 | 2.04 | 0.0018171 |
| 3665 | 14.8564 | 14.5938 | | 0.0045 | | | | (14.5850, 14.6026) | 0.2626 | 2.10 | 2.10 | 0.0013015 |
| 3680 | 14.3462 | 14.5964 | | 0.0048 | | | | (14.5870, 14.6058) | -0.2502 | -2.00 | -2.00 | 0.0014696 |
| 3701 | 14.3550 | 14.6244 | | 0.0062 | | | | (14.6122, 14.6366) | -0.2694 | -2.16 | -2.16 | 0.0024926 |
| 3717 | 14.3462 | 14.6158 | | 0.0070 | | | | (14.6022, 14.6295) | -0.2696 | -2.16 | -2.16 | 0.0031042 |
| 3722 | 14.3462 | 14.6078 | | 0.0063 | | | | (14.5955, 14.6202) | -0.2617 | -2.10 | -2.10 | 0.0025386 |
| 3736 | 14.0911 | 14.3505 | | 0.0069 | | | | (14.3370, 14.3641) | -0.2595 | -2.08 | -2.08 | 0.0030586 |
| 3737 | 14.6101 | 14.1236 | | 0.0076 | | | | (14.1087, 14.1385) | 0.4865 | 3.90 | 3.91 | 0.0037051 |
| 3738 | 14.3462 | 14.6099 | | 0.0079 | | | | (14.5945, 14.6254) | -0.2638 | -2.12 | -2.12 | 0.0039680 |
| 3740 | 14.0911 | 14.3718 | | 0.0073 | | | | (14.3574, 14.3861) | -0.2807 | -2.25 | -2.25 | 0.0034366 |
| 3747 | 14.0911 | 14.3678 | | 0.0065 | | | | (14.3550, 14.3806) | -0.2767 | -2.22 | -2.22 | 0.0027449 |
| 3754 | 14.0911 | 14.3638 | | 0.0071 | | | | (14.3498, 14.3778) | -0.2728 | -2.19 | -2.19 | 0.0032565 |
| 3765 | 14.0999 | 14.3672 | | 0.0073 | | | | (14.3528, 14.3816) | -0.2673 | -2.14 | -2.14 | 0.0034398 |
| 3769 | 14.0911 | 14.3533 | | 0.0067 | | | | (14.3401, 14.3664) | -0.2622 | -2.10 | -2.10 | 0.0028745 |
| 3793 | 14.0911 | 14.3558 | | 0.0065 | | | | (14.3430, 14.3686) | -0.2647 | -2.12 | -2.12 | 0.0027230 |
| 3801 | 14.0911 | 14.3533 | | 0.0059 | | | | (14.3417, 14.3648) | -0.2622 | -2.10 | -2.10 | 0.0022330 |
| 3804 | 14.0911 | 14.3547 | | 0.0064 | | | | (14.3421, 14.3673) | -0.2636 | -2.11 | -2.11 | 0.0026553 |
| 3806 | 14.3550 | 14.1010 | | 0.0070 | | | | (14.0872, 14.1148) | 0.2540 | 2.04 | 2.04 | 0.0031780 |
| 3810 | 14.0911 | 14.3583 | | 0.0062 | | | | (14.3461, 14.3705) | -0.2673 | -2.14 | -2.14 | 0.0024806 |
| 3819 | 14.0999 | 14.3575 | | 0.0067 | | | | (14.3444, 14.3706) | -0.2576 | -2.06 | -2.07 | 0.0028612 |
| 3837 | 14.0911 | 14.3529 | | 0.0060 | | | | (14.3412, 14.3647) | -0.2619 | -2.10 | -2.10 | 0.0023046 |
| 3841 | 14.0999 | 14.3596 | | 0.0056 | | | | (14.3486, 14.3705) | -0.2596 | -2.08 | -2.08 | 0.0019965 |
| 3842 | 13.8360 | 14.1210 | | 0.0056 | | | | (14.1101, 14.1320) | -0.2851 | -2.28 | -2.28 | 0.0019937 |
| 3843 | 14.3550 | 13.8732 | | 0.0061 | | | | (13.8613, 13.8852) | 0.4818 | 3.86 | 3.87 | 0.0023806 |
| 3844 | 14.0999 | 14.3495 | | 0.0064 | | | | (14.3369, 14.3621) | -0.2496 | -2.00 | -2.00 | 0.0026405 |
| 3865 | 14.0911 | 14.3637 | | 0.0053 | | | | (14.3534, 14.3740) | -0.2726 | -2.18 | -2.18 | 0.0017732 |
| 3868 | 13.8360 | 14.3541 | | 0.0055 | | | | (14.3433, 14.3648) | -0.5181 | -4.15 | -4.16 | 0.0019216 |
| 3870 | 13.8360 | 14.1109 | | 0.0058 | | | | (14.0995, 14.1223) | -0.2750 | -2.20 | -2.20 | 0.0021617 |
| 3876 | 13.8360 | 14.1043 | | 0.0064 | | | | (14.0918, 14.1168) | -0.2683 | -2.15 | -2.15 | 0.0026049 |
| 3877 | 14.3550 | 13.8608 | | 0.0064 | | | | (13.8482, 13.8735) | 0.4942 | 3.96 | 3.97 | 0.0026598 |
| 3896 | 13.8360 | 14.1119 | | 0.0059 | | | | (14.1004, 14.1234) | -0.2759 | -2.21 | -2.21 | 0.0022038 |
| 3902 | 14.3550 | 14.0985 | | 0.0073 | | | | (14.0843, 14.1128) | 0.2565 | 2.06 | 2.06 | 0.0033976 |
| 3903 | 14.0911 | 14.3415 | | 0.0064 | | | | (14.3290, 14.3540) | -0.2504 | -2.01 | -2.01 | 0.0025926 |
| 3947 | 13.8448 | 14.1008 | | 0.0064 | | | | (14.0882, 14.1134) | -0.2560 | -2.05 | -2.05 | 0.0026469 |
| 3959 | 13.8448 | 14.1091 | | 0.0059 | | | | (14.0976, 14.1206) | -0.2643 | -2.12 | -2.12 | 0.0022090 |
| 3963 | 13.8448 | 14.1131 | | 0.0071 | | | | (14.0991, 14.1270) | -0.2683 | -2.15 | -2.15 | 0.0032535 |
| 3969 | 13.8448 | 14.1244 | | 0.0065 | | | | (14.1117, 14.1371) | -0.2796 | -2.24 | -2.24 | 0.0026982 |
| 3973 | 13.8448 | 14.1240 | | 0.0079 | | | | (14.1086, 14.1394) | -0.2792 | -2.24 | -2.24 | 0.0039539 |
| 3977 | 13.8448 | 14.1097 | | 0.0078 | | | | (14.0943, 14.1250) | -0.2649 | -2.12 | -2.12 | 0.0039283 |
| 3988 | 14.3550 | 14.0969 | | 0.0072 | | | | (14.0828, 14.1110) | 0.2581 | 2.07 | 2.07 | 0.0032997 |
| 4000 | 14.3550 | 14.0964 | | 0.0068 | | | | (14.0832, 14.1097) | 0.2586 | 2.07 | 2.07 | 0.0029184 |
| 4008 | 13.8360 | 14.1047 | | 0.0077 | | | | (14.0895, 14.1199) | -0.2687 | -2.15 | -2.16 | 0.0038384 |
| 4012 | 13.8360 | 14.1043 | | 0.0075 | | | | (14.0895, 14.1190) | -0.2683 | -2.15 | -2.15 | 0.0036372 |
| 4022 | 14.0999 | 13.8470 | | 0.0076 | | | | (13.8322, 13.8618) | 0.2529 | 2.03 | 2.03 | 0.0036682 |
| 4029 | 13.8448 | 14.0968 | | 0.0067 | | | | (14.0837, 14.1100) | -0.2520 | -2.02 | -2.02 | 0.0028802 |
| 4040 | 14.1088 | 13.8581 | | 0.0071 | | | | (13.8441, 13.8721) | 0.2506 | 2.01 | 2.01 | 0.0032711 |
| 4043 | 13.8448 | 14.1014 | | 0.0060 | | | | (14.0895, 14.1132) | -0.2565 | -2.06 | -2.06 | 0.0023337 |
| 4049 | 13.8448 | 14.1094 | | 0.0075 | | | | (14.0947, 14.1242) | -0.2646 | -2.12 | -2.12 | 0.0036239 |
| 4052 | 13.8448 | 14.1008 | | 0.0057 | | | | (14.0897, 14.1119) | -0.2560 | -2.05 | -2.05 | 0.0020525 |
| 4083 | 14.0999 | 13.8470 | | 0.0066 | | | | (13.8340, 13.8600) | 0.2529 | 2.03 | 2.03 | 0.0028111 |
| 4103 | 14.0999 | 13.8312 | | 0.0069 | | | | (13.8178, 13.8447) | 0.2687 | 2.15 | 2.15 | 0.0030102 |
| 4134 | 14.0999 | 13.8485 | | 0.0085 | | | | (13.8317, 13.8652) | 0.2514 | 2.02 | 2.02 | 0.0046754 |
| 4150 | 14.1088 | 13.8502 | | 0.0052 | | | | (13.8400, 13.8604) | 0.2586 | 2.07 | 2.07 | 0.0017249 |
| 4155 | 13.8448 | 14.1007 | | 0.0062 | | | | (14.0886, 14.1129) | -0.2559 | -2.05 | -2.05 | 0.0024604 |
| 4156 | 14.1088 | 13.8567 | | 0.0059 | | | | (13.8451, 13.8684) | 0.2520 | 2.02 | 2.02 | 0.0022585 |
| 4158 | 13.8448 | 14.0961 | | 0.0064 | | | | (14.0835, 14.1086) | -0.2513 | -2.01 | -2.01 | 0.0026213 |
| 4159 | 14.1088 | 13.8467 | | 0.0072 | | | | (13.8325, 13.8609) | 0.2621 | 2.10 | 2.10 | 0.0033630 |
| 4161 | 13.8448 | 14.0998 | | 0.0074 | | | | (14.0853, 14.1143) | -0.2550 | -2.04 | -2.05 | 0.0035105 |
| 4172 | 13.8537 | 14.1138 | | 0.0076 | | | | (14.0988, 14.1288) | -0.2601 | -2.09 | -2.09 | 0.0037355 |
| 4176 | 13.8537 | 14.1176 | | 0.0069 | | | | (14.1040, 14.1312) | -0.2639 | -2.12 | -2.12 | 0.0030832 |
| 4182 | 13.8448 | 14.1110 | | 0.0072 | | | | (14.0969, 14.1251) | -0.2662 | -2.13 | -2.13 | 0.0033080 |
| 4184 | 13.8448 | 14.1198 | | 0.0077 | | | | (14.1047, 14.1348) | -0.2750 | -2.20 | -2.21 | 0.0037829 |
| 4195 | 14.0999 | 13.8474 | | 0.0084 | | | | (13.8309, 13.8638) | 0.2525 | 2.03 | 2.03 | 0.0045002 |
| 4216 | 13.5809 | 13.8514 | | 0.0071 | | | | (13.8374, 13.8654) | -0.2705 | -2.17 | -2.17 | 0.0032650 |
| 4264 | 13.5897 | 13.8423 | | 0.0065 | | | | (13.8295, 13.8551) | -0.2526 | -2.02 | -2.03 | 0.0027371 |
| 4266 | 13.8537 | 13.6034 | | 0.0067 | | | | (13.5902, 13.6166) | 0.2503 | 2.01 | 2.01 | 0.0029109 |
| 4267 | 13.5897 | 13.8482 | | 0.0063 | | | | (13.8358, 13.8605) | -0.2585 | -2.07 | -2.07 | 0.0025429 |
| 4272 | 13.5897 | 13.8448 | | 0.0060 | | | | (13.8331, 13.8566) | -0.2551 | -2.04 | -2.04 | 0.0022841 |
| 4274 | 13.5897 | 13.8489 | | 0.0062 | | | | (13.8367, 13.8611) | -0.2592 | -2.08 | -2.08 | 0.0024824 |
| 4280 | 13.5897 | 13.8394 | | 0.0059 | | | | (13.8278, 13.8510) | -0.2497 | -2.00 | -2.00 | 0.0022461 |
| 4289 | 14.1088 | 13.6044 | | 0.0067 | | | | (13.5913, 13.6176) | 0.5043 | 4.04 | 4.05 | 0.0028802 |
| 4294 | 13.5897 | 13.8496 | | 0.0056 | | | | (13.8386, 13.8606) | -0.2599 | -2.08 | -2.08 | 0.0020222 |
| 4301 | 13.8537 | 13.6013 | | 0.0066 | | | | (13.5885, 13.6142) | 0.2523 | 2.02 | 2.02 | 0.0027502 |
| 4312 | 13.5986 | 13.8529 | | 0.0060 | | | | (13.8411, 13.8647) | -0.2543 | -2.04 | -2.04 | 0.0023194 |
| 4314 | 13.5986 | 13.8485 | | 0.0056 | | | | (13.8375, 13.8594) | -0.2499 | -2.00 | -2.00 | 0.0019991 |
| 4320 | 13.5986 | 13.8619 | | 0.0076 | | | | (13.8470, 13.8769) | -0.2634 | -2.11 | -2.11 | 0.0037253 |
| 4325 | 13.5986 | 13.8760 | | 0.0068 | | | | (13.8627, 13.8892) | -0.2774 | -2.22 | -2.22 | 0.0029318 |
| 4338 | 14.1088 | 13.8560 | | 0.0052 | | | | (13.8459, 13.8661) | 0.2528 | 2.02 | 2.03 | 0.0016997 |
| 4343 | 13.5897 | 13.8592 | | 0.0066 | | | | (13.8463, 13.8722) | -0.2695 | -2.16 | -2.16 | 0.0027839 |
| 4357 | 13.5897 | 13.8587 | | 0.0072 | | | | (13.8445, 13.8728) | -0.2690 | -2.16 | -2.16 | 0.0033417 |
| 4363 | 13.5897 | 13.8601 | | 0.0052 | | | | (13.8500, 13.8702) | -0.2704 | -2.17 | -2.17 | 0.0017128 |
| 4378 | 13.5986 | 13.8490 | | 0.0064 | | | | (13.8365, 13.8616) | -0.2505 | -2.01 | -2.01 | 0.0026254 |
| 4388 | 13.5986 | 13.8522 | | 0.0057 | | | | (13.8410, 13.8634) | -0.2537 | -2.03 | -2.03 | 0.0021033 |
| 4399 | 13.5897 | 13.8422 | | 0.0068 | | | | (13.8288, 13.8556) | -0.2525 | -2.02 | -2.02 | 0.0029935 |
| 4406 | 13.8537 | 13.5844 | | 0.0065 | | | | (13.5716, 13.5972) | 0.2692 | 2.16 | 2.16 | 0.0027265 |
| 4411 | 13.8537 | 13.5774 | | 0.0072 | | | | (13.5633, 13.5914) | 0.2763 | 2.21 | 2.22 | 0.0032906 |
| 4414 | 13.8537 | 13.5829 | | 0.0070 | | | | (13.5691, 13.5967) | 0.2708 | 2.17 | 2.17 | 0.0031756 |
| 4417 | 13.8537 | 13.5611 | | 0.0074 | | | | (13.5466, 13.5756) | 0.2925 | 2.35 | 2.35 | 0.0034926 |
| 4419 | 13.8537 | 13.5887 | | 0.0071 | | | | (13.5748, 13.6026) | 0.2649 | 2.12 | 2.12 | 0.0032343 |
| 4434 | 13.8537 | 13.5962 | | 0.0061 | | | | (13.5843, 13.6082) | 0.2574 | 2.06 | 2.06 | 0.0023888 |
| 4441 | 13.8537 | 13.5875 | | 0.0083 | | | | (13.5712, 13.6038) | 0.2662 | 2.14 | 2.14 | 0.0044196 |
| 4443 | 13.8537 | 13.5934 | | 0.0084 | | | | (13.5769, 13.6100) | 0.2602 | 2.09 | 2.09 | 0.0045650 |
| 4465 | 13.8537 | 13.6008 | | 0.0073 | | | | (13.5865, 13.6151) | 0.2528 | 2.03 | 2.03 | 0.0034099 |
| 4467 | 13.8537 | 13.5920 | | 0.0077 | | | | (13.5768, 13.6072) | 0.2617 | 2.10 | 2.10 | 0.0038421 |
| 4470 | 13.8537 | 13.5924 | | 0.0077 | | | | (13.5774, 13.6075) | 0.2612 | 2.09 | 2.10 | 0.0037654 |
| 4473 | 13.8537 | 13.5811 | | 0.0071 | | | | (13.5671, 13.5951) | 0.2726 | 2.18 | 2.19 | 0.0032661 |
| 4477 | 13.8537 | 13.5951 | | 0.0063 | | | | (13.5827, 13.6075) | 0.2586 | 2.07 | 2.07 | 0.0025548 |
| 4489 | 13.8537 | 13.5873 | | 0.0078 | | | | (13.5720, 13.6026) | 0.2664 | 2.14 | 2.14 | 0.0039150 |
| 4492 | 14.0999 | 13.8185 | | 0.0085 | | | | (13.8017, 13.8353) | 0.2814 | 2.26 | 2.26 | 0.0046781 |
| 4503 | 14.3639 | 14.0677 | | 0.0078 | | | | (14.0523, 14.0830) | 0.2962 | 2.38 | 2.38 | 0.0039406 |
| 4506 | 14.3639 | 14.0622 | | 0.0086 | | | | (14.0454, 14.0789) | 0.3017 | 2.42 | 2.42 | 0.0046831 |
| 4513 | 14.1088 | 13.8230 | | 0.0056 | | | | (13.8120, 13.8339) | 0.2858 | 2.29 | 2.29 | 0.0019940 |
| 4517 | 14.1088 | 13.8259 | | 0.0060 | | | | (13.8142, 13.8376) | 0.2829 | 2.27 | 2.27 | 0.0022904 |
| 4526 | 14.1088 | 13.8440 | | 0.0061 | | | | (13.8319, 13.8560) | 0.2648 | 2.12 | 2.12 | 0.0024140 |
| 4529 | 14.1088 | 13.8276 | | 0.0072 | | | | (13.8136, 13.8416) | 0.2812 | 2.25 | 2.25 | 0.0032825 |
| 4533 | 14.1088 | 13.8277 | | 0.0072 | | | | (13.8135, 13.8419) | 0.2811 | 2.25 | 2.25 | 0.0033652 |
| 4541 | 13.8537 | 13.5814 | | 0.0069 | | | | (13.5679, 13.5949) | 0.2722 | 2.18 | 2.18 | 0.0030362 |
| 4551 | 13.8537 | 13.5842 | | 0.0066 | | | | (13.5713, 13.5972) | 0.2694 | 2.16 | 2.16 | 0.0027912 |
| 4553 | 13.8537 | 13.5743 | | 0.0064 | | | | (13.5618, 13.5869) | 0.2793 | 2.24 | 2.24 | 0.0026203 |
| 4560 | 13.8537 | 13.5821 | | 0.0059 | | | | (13.5706, 13.5937) | 0.2715 | 2.18 | 2.18 | 0.0022364 |
| 4573 | 13.5897 | 13.8458 | | 0.0066 | | | | (13.8329, 13.8586) | -0.2561 | -2.05 | -2.05 | 0.0027607 |
| 4580 | 13.8448 | 13.5807 | | 0.0059 | | | | (13.5691, 13.5922) | 0.2641 | 2.12 | 2.12 | 0.0022299 |
| 4584 | 13.8537 | 13.5833 | | 0.0066 | | | | (13.5705, 13.5962) | 0.2703 | 2.17 | 2.17 | 0.0027505 |
| 4599 | 13.8537 | 13.5798 | | 0.0065 | | | | (13.5671, 13.5926) | 0.2738 | 2.19 | 2.20 | 0.0027095 |
| 4612 | 13.8537 | 13.5796 | | 0.0073 | | | | (13.5654, 13.5939) | 0.2740 | 2.20 | 2.20 | 0.0033972 |
| 4617 | 13.8537 | 13.5818 | | 0.0070 | | | | (13.5682, 13.5954) | 0.2718 | 2.18 | 2.18 | 0.0030970 |
| 4623 | 13.8537 | 13.5880 | | 0.0060 | | | | (13.5763, 13.5997) | 0.2656 | 2.13 | 2.13 | 0.0022928 |
| 4626 | 13.8537 | 13.5891 | | 0.0074 | | | | (13.5745, 13.6037) | 0.2645 | 2.12 | 2.12 | 0.0035427 |
| 4635 | 13.5897 | 13.8395 | | 0.0059 | | | | (13.8279, 13.8511) | -0.2498 | -2.00 | -2.00 | 0.0022338 |
| 4638 | 13.8448 | 13.5898 | | 0.0056 | | | | (13.5788, 13.6007) | 0.2550 | 2.04 | 2.04 | 0.0020073 |
| 4659 | 13.8448 | 13.5849 | | 0.0065 | | | | (13.5722, 13.5976) | 0.2599 | 2.08 | 2.08 | 0.0026744 |
| 4661 | 13.8537 | 13.5809 | | 0.0063 | | | | (13.5686, 13.5932) | 0.2728 | 2.19 | 2.19 | 0.0025258 |
| 4666 | 13.8537 | 13.5853 | | 0.0062 | | | | (13.5731, 13.5975) | 0.2684 | 2.15 | 2.15 | 0.0024949 |
| 4675 | 13.8537 | 13.5801 | | 0.0073 | | | | (13.5658, 13.5944) | 0.2735 | 2.19 | 2.19 | 0.0034264 |
| 4681 | 13.8537 | 13.5756 | | 0.0073 | | | | (13.5612, 13.5900) | 0.2781 | 2.23 | 2.23 | 0.0034553 |
| **Obs** | **Cook’s D** | | **DFITS** | |  |  |
| 1 | 0.00 | | 0.10947 | |  | X |
| 2 | 0.00 | | 0.10323 | |  | X |
| 3 | 0.00 | | 0.09377 | |  | X |
| 4 | 0.02 | | 0.55793 | | R | X |
| 5 | 0.01 | | -0.35303 | |  | X |
| 6 | 0.01 | | 0.49696 | | R | X |
| 7 | 0.00 | | 0.07290 | |  | X |
| 8 | 0.00 | | 0.06411 | |  | X |
| 9 | 0.01 | | 0.45775 | | R | X |
| 10 | 0.01 | | -0.31328 | |  | X |
| 11 | 0.00 | | 0.04520 | |  | X |
| 12 | 0.01 | | 0.40862 | | R | X |
| 13 | 0.01 | | -0.31484 | |  | X |
| 14 | 0.00 | | 0.02401 | |  | X |
| 15 | 0.01 | | 0.35224 | | R | X |
| 16 | 0.00 | | 0.04791 | |  | X |
| 17 | 0.00 | | -0.28830 | |  | X |
| 18 | 0.01 | | 0.31428 | | R | X |
| 19 | 0.00 | | 0.02442 | |  | X |
| 20 | 0.00 | | -0.13414 | |  | X |
| 21 | 0.00 | | -0.13004 | |  | X |
| 22 | 0.00 | | 0.28991 | | R | X |
| 23 | 0.00 | | 0.01305 | |  | X |
| 24 | 0.00 | | 0.01217 | |  | X |
| 25 | 0.00 | | 0.00922 | |  | X |
| 26 | 0.00 | | 0.00700 | |  | X |
| 27 | 0.00 | | 0.00968 | |  | X |
| 28 | 0.00 | | -0.00051 | |  | X |
| 29 | 0.00 | | -0.00140 | |  | X |
| 30 | 0.00 | | -0.00657 | |  | X |
| 31 | 0.00 | | -0.00964 | |  | X |
| 32 | 0.00 | | 0.22717 | |  | X |
| 33 | 0.00 | | -0.23369 | |  | X |
| 34 | 0.00 | | -0.01336 | |  | X |
| 35 | 0.00 | | 0.21331 | |  | X |
| 36 | 0.00 | | -0.24314 | | R | X |
| 37 | 0.00 | | -0.02362 | |  | X |
| 38 | 0.00 | | -0.02326 | |  | X |
| 39 | 0.00 | | 0.20792 | |  | X |
| 51 | 0.00 | | -0.25662 | | R |  |
| 57 | 0.00 | | -0.04652 | |  | X |
| 59 | 0.00 | | -0.26421 | | R |  |
| 76 | 0.00 | | 0.16143 | |  | X |
| 80 | 0.00 | | -0.26230 | | R |  |
| 128 | 0.00 | | -0.18621 | | R |  |
| 132 | 0.00 | | -0.18753 | | R |  |
| 146 | 0.00 | | -0.16743 | | R |  |
| 154 | 0.00 | | -0.17653 | | R |  |
| 156 | 0.00 | | -0.18827 | | R |  |
| 159 | 0.00 | | -0.19541 | | R |  |
| 180 | 0.00 | | -0.19280 | | R |  |
| 226 | 0.00 | | -0.14743 | | R |  |
| 246 | 0.00 | | -0.14514 | | R |  |
| 252 | 0.00 | | -0.12019 | | R |  |
| 256 | 0.00 | | -0.16209 | | R |  |
| 281 | 0.00 | | -0.16417 | | R |  |
| 283 | 0.00 | | -0.17168 | | R |  |
| 285 | 0.00 | | -0.16015 | | R |  |
| 288 | 0.00 | | -0.17062 | | R |  |
| 289 | 0.00 | | 0.13467 | | R |  |
| 307 | 0.00 | | -0.17425 | | R |  |
| 309 | 0.00 | | -0.17608 | | R |  |
| 319 | 0.00 | | -0.19296 | | R |  |
| 323 | 0.00 | | -0.15236 | | R |  |
| 328 | 0.00 | | -0.14700 | | R |  |
| 329 | 0.00 | | -0.16620 | | R |  |
| 334 | 0.00 | | -0.16935 | | R |  |
| 347 | 0.00 | | -0.15814 | | R |  |
| 359 | 0.01 | | -0.39504 | | R |  |
| 360 | 0.00 | | 0.27717 | | R |  |
| 364 | 0.00 | | 0.15519 | | R |  |
| 372 | 0.00 | | 0.14928 | | R |  |
| 385 | 0.00 | | 0.17635 | | R |  |
| 438 | 0.00 | | 0.16039 | | R |  |
| 441 | 0.00 | | 0.14717 | | R |  |
| 456 | 0.00 | | 0.13467 | | R |  |
| 503 | 0.00 | | -0.15051 | | R |  |
| 519 | 0.00 | | -0.17362 | | R |  |
| 547 | 0.00 | | -0.14120 | | R |  |
| 580 | 0.00 | | -0.15352 | | R |  |
| 584 | 0.00 | | -0.12136 | | R |  |
| 590 | 0.00 | | 0.22036 | | R |  |
| 603 | 0.00 | | 0.11235 | | R |  |
| 604 | 0.00 | | -0.13148 | | R |  |
| 659 | 0.00 | | -0.14213 | | R |  |
| 662 | 0.00 | | -0.12967 | | R |  |
| 666 | 0.00 | | -0.13035 | | R |  |
| 674 | 0.00 | | -0.12920 | | R |  |
| 676 | 0.00 | | -0.13385 | | R |  |
| 682 | 0.00 | | -0.13303 | | R |  |
| 714 | 0.00 | | -0.16633 | | R |  |
| 718 | 0.00 | | -0.13353 | | R |  |
| 722 | 0.00 | | -0.16298 | | R |  |
| 725 | 0.00 | | -0.13170 | | R |  |
| 730 | 0.00 | | -0.11789 | | R |  |
| 734 | 0.00 | | -0.11910 | | R |  |
| 743 | 0.00 | | -0.15794 | | R |  |
| 745 | 0.00 | | -0.14227 | | R |  |
| 752 | 0.00 | | -0.15085 | | R |  |
| 786 | 0.00 | | -0.17529 | | R |  |
| 789 | 0.00 | | -0.16067 | | R |  |
| 791 | 0.00 | | -0.16500 | | R |  |
| 827 | 0.00 | | -0.17027 | | R |  |
| 847 | 0.00 | | -0.15010 | | R |  |
| 849 | 0.00 | | -0.14963 | | R |  |
| 855 | 0.00 | | 0.14741 | | R |  |
| 861 | 0.00 | | 0.12130 | | R |  |
| 881 | 0.00 | | 0.12315 | | R |  |
| 893 | 0.00 | | -0.10418 | | R |  |
| 895 | 0.00 | | 0.11504 | | R |  |
| 907 | 0.00 | | 0.09262 | | R |  |
| 911 | 0.00 | | 0.10313 | | R |  |
| 929 | 0.00 | | 0.13889 | | R |  |
| 945 | 0.00 | | 0.11963 | | R |  |
| 947 | 0.00 | | 0.11975 | | R |  |
| 978 | 0.00 | | 0.09188 | | R |  |
| 994 | 0.00 | | 0.11564 | | R |  |
| 995 | 0.00 | | -0.11307 | | R |  |
| 1002 | 0.00 | | 0.11978 | | R |  |
| 1021 | 0.00 | | 0.13102 | | R |  |
| 1024 | 0.00 | | 0.11920 | | R |  |
| 1026 | 0.00 | | 0.10779 | | R |  |
| 1036 | 0.00 | | 0.10366 | | R |  |
| 1037 | 0.00 | | -0.11811 | | R |  |
| 1073 | 0.00 | | -0.11947 | | R |  |
| 1076 | 0.00 | | 0.11609 | | R |  |
| 1094 | 0.00 | | -0.10240 | | R |  |
| 1096 | 0.00 | | -0.11084 | | R |  |
| 1099 | 0.00 | | 0.11124 | | R |  |
| 1111 | 0.00 | | 0.12374 | | R |  |
| 1113 | 0.00 | | 0.13274 | | R |  |
| 1116 | 0.00 | | 0.11581 | | R |  |
| 1143 | 0.00 | | 0.13587 | | R |  |
| 1147 | 0.00 | | -0.12313 | | R |  |
| 1148 | 0.00 | | 0.12839 | | R |  |
| 1227 | 0.00 | | -0.13774 | | R |  |
| 1232 | 0.00 | | -0.13722 | | R |  |
| 1236 | 0.00 | | -0.11785 | | R |  |
| 1241 | 0.00 | | 0.11423 | | R |  |
| 1281 | 0.00 | | 0.13478 | | R |  |
| 1284 | 0.00 | | 0.14143 | | R |  |
| 1316 | 0.00 | | 0.13525 | | R |  |
| 1321 | 0.00 | | 0.11388 | | R |  |
| 1328 | 0.00 | | 0.11537 | | R |  |
| 1331 | 0.00 | | 0.11549 | | R |  |
| 1337 | 0.00 | | 0.11882 | | R |  |
| 1343 | 0.00 | | 0.12266 | | R |  |
| 1348 | 0.00 | | -0.10395 | | R |  |
| 1350 | 0.00 | | 0.09840 | | R |  |
| 1355 | 0.00 | | -0.11239 | | R |  |
| 1360 | 0.00 | | 0.11218 | | R |  |
| 1365 | 0.00 | | 0.11977 | | R |  |
| 1369 | 0.00 | | -0.11469 | | R |  |
| 1371 | 0.00 | | 0.12179 | | R |  |
| 1381 | 0.00 | | 0.11046 | | R |  |
| 1401 | 0.00 | | 0.12056 | | R |  |
| 1405 | 0.00 | | 0.11502 | | R |  |
| 1408 | 0.00 | | 0.10477 | | R |  |
| 1411 | 0.00 | | 0.10623 | | R |  |
| 1430 | 0.00 | | 0.10881 | | R |  |
| 1435 | 0.00 | | 0.09121 | | R |  |
| 1449 | 0.00 | | 0.10808 | | R |  |
| 1451 | 0.00 | | -0.11255 | | R |  |
| 1454 | 0.00 | | 0.11664 | | R |  |
| 1477 | 0.00 | | -0.12057 | | R |  |
| 1478 | 0.00 | | 0.11180 | | R |  |
| 1479 | 0.00 | | -0.11477 | | R |  |
| 1480 | 0.00 | | 0.11360 | | R |  |
| 1587 | 0.00 | | 0.11594 | | R |  |
| 1589 | 0.00 | | 0.12005 | | R |  |
| 1605 | 0.00 | | 0.10324 | | R |  |
| 1611 | 0.00 | | 0.10361 | | R |  |
| 1617 | 0.00 | | 0.12638 | | R |  |
| 1624 | 0.00 | | 0.12004 | | R |  |
| 1627 | 0.00 | | 0.11403 | | R |  |
| 1631 | 0.00 | | 0.11139 | | R |  |
| 1663 | 0.00 | | 0.11651 | | R |  |
| 1667 | 0.00 | | 0.11287 | | R |  |
| 1670 | 0.00 | | 0.13379 | | R |  |
| 1673 | 0.00 | | 0.13732 | | R |  |
| 1679 | 0.00 | | 0.12722 | | R |  |
| 1693 | 0.00 | | 0.11535 | | R |  |
| 1698 | 0.00 | | 0.12828 | | R |  |
| 1707 | 0.00 | | 0.11222 | | R |  |
| 1713 | 0.00 | | 0.10484 | | R |  |
| 1725 | 0.00 | | 0.10718 | | R |  |
| 1732 | 0.00 | | -0.13254 | | R |  |
| 1735 | 0.00 | | 0.12367 | | R |  |
| 1739 | 0.00 | | -0.12463 | | R |  |
| 1746 | 0.00 | | -0.13963 | | R |  |
| 1782 | 0.00 | | 0.15949 | | R |  |
| 1785 | 0.00 | | 0.14642 | | R |  |
| 1811 | 0.00 | | 0.12894 | | R |  |
| 1818 | 0.00 | | 0.15218 | | R |  |
| 1833 | 0.00 | | 0.14546 | | R |  |
| 1835 | 0.00 | | 0.14157 | | R |  |
| 1842 | 0.00 | | 0.15214 | | R |  |
| 1846 | 0.00 | | 0.13556 | | R |  |
| 1885 | 0.00 | | -0.08494 | | R |  |
| 1888 | 0.00 | | 0.12629 | | R |  |
| 1893 | 0.00 | | 0.12357 | | R |  |
| 1898 | 0.00 | | -0.12277 | | R |  |
| 1904 | 0.00 | | -0.11205 | | R |  |
| 1924 | 0.00 | | -0.12319 | | R |  |
| 1927 | 0.00 | | -0.22126 | | R |  |
| 1940 | 0.00 | | -0.11926 | | R |  |
| 1943 | 0.00 | | -0.12581 | | R |  |
| 1962 | 0.00 | | -0.14881 | | R |  |
| 1968 | 0.00 | | -0.12706 | | R |  |
| 1981 | 0.00 | | -0.15284 | | R |  |
| 1988 | 0.00 | | -0.14796 | | R |  |
| 2004 | 0.00 | | -0.14428 | | R |  |
| 2008 | 0.00 | | -0.13134 | | R |  |
| 2014 | 0.00 | | -0.12617 | | R |  |
| 2023 | 0.00 | | -0.11113 | | R |  |
| 2025 | 0.00 | | -0.11725 | | R |  |
| 2045 | 0.00 | | -0.13034 | | R |  |
| 2047 | 0.00 | | -0.12460 | | R |  |
| 2051 | 0.00 | | -0.11156 | | R |  |
| 2057 | 0.00 | | -0.09671 | | R |  |
| 2070 | 0.00 | | -0.14449 | | R |  |
| 2075 | 0.00 | | -0.14575 | | R |  |
| 2078 | 0.00 | | -0.15276 | | R |  |
| 2090 | 0.00 | | -0.15096 | | R |  |
| 2092 | 0.00 | | -0.13268 | | R |  |
| 2099 | 0.00 | | -0.10830 | | R |  |
| 2103 | 0.00 | | -0.11899 | | R |  |
| 2123 | 0.00 | | -0.13990 | | R |  |
| 2129 | 0.00 | | -0.14566 | | R |  |
| 2131 | 0.00 | | -0.13782 | | R |  |
| 2133 | 0.00 | | -0.12989 | | R |  |
| 2181 | 0.00 | | -0.13370 | | R |  |
| 2184 | 0.00 | | -0.11071 | | R |  |
| 2193 | 0.00 | | -0.07804 | | R |  |
| 2211 | 0.00 | | -0.12283 | | R |  |
| 2217 | 0.00 | | -0.12239 | | R |  |
| 2224 | 0.00 | | -0.13865 | | R |  |
| 2256 | 0.00 | | -0.13321 | | R |  |
| 2258 | 0.00 | | -0.11759 | | R |  |
| 2284 | 0.00 | | -0.12029 | | R |  |
| 2286 | 0.00 | | -0.13174 | | R |  |
| 2291 | 0.00 | | -0.14108 | | R |  |
| 2318 | 0.00 | | 0.14314 | | R |  |
| 2320 | 0.00 | | -0.12025 | | R |  |
| 2328 | 0.00 | | -0.14429 | | R |  |
| 2342 | 0.00 | | -0.11247 | | R |  |
| 2350 | 0.00 | | 0.10676 | | R |  |
| 2359 | 0.00 | | 0.11129 | | R |  |
| 2370 | 0.00 | | -0.09702 | | R |  |
| 2374 | 0.00 | | -0.11600 | | R |  |
| 2377 | 0.00 | | 0.13394 | | R |  |
| 2379 | 0.00 | | 0.22788 | | R |  |
| 2380 | 0.00 | | 0.14833 | | R |  |
| 2386 | 0.00 | | 0.16711 | | R |  |
| 2404 | 0.00 | | 0.15150 | | R |  |
| 2411 | 0.00 | | 0.29933 | | R |  |
| 2420 | 0.00 | | 0.15436 | | R |  |
| 2421 | 0.00 | | 0.16585 | | R |  |
| 2426 | 0.00 | | 0.15001 | | R |  |
| 2460 | 0.00 | | 0.12262 | | R |  |
| 2466 | 0.00 | | 0.12230 | | R |  |
| 2472 | 0.00 | | 0.10872 | | R |  |
| 2474 | 0.00 | | 0.10172 | | R |  |
| 2487 | 0.00 | | 0.13433 | | R |  |
| 2490 | 0.00 | | -0.13055 | | R |  |
| 2500 | 0.00 | | 0.11257 | | R |  |
| 2511 | 0.00 | | 0.11809 | | R |  |
| 2524 | 0.00 | | 0.10686 | | R |  |
| 2546 | 0.00 | | -0.12169 | | R |  |
| 2548 | 0.00 | | 0.13412 | | R |  |
| 2564 | 0.00 | | 0.13139 | | R |  |
| 2570 | 0.00 | | 0.12097 | | R |  |
| 2571 | 0.00 | | -0.20913 | | R |  |
| 2573 | 0.00 | | -0.09826 | | R |  |
| 2581 | 0.00 | | -0.11458 | | R |  |
| 2582 | 0.00 | | 0.10244 | | R |  |
| 2583 | 0.00 | | -0.10657 | | R |  |
| 2584 | 0.00 | | 0.10097 | | R |  |
| 2587 | 0.00 | | -0.11088 | | R |  |
| 2588 | 0.00 | | 0.10924 | | R |  |
| 2610 | 0.00 | | 0.10099 | | R |  |
| 2613 | 0.00 | | 0.12645 | | R |  |
| 2628 | 0.00 | | -0.09518 | | R |  |
| 2630 | 0.02 | | -0.54748 | | R |  |
| 2631 | 0.06 | | 1.03344 | | R |  |
| 2647 | 0.00 | | -0.11944 | | R |  |
| 2657 | 0.00 | | 0.12793 | | R |  |
| 2659 | 0.00 | | -0.13699 | | R |  |
| 2661 | 0.00 | | 0.15228 | | R |  |
| 2667 | 0.00 | | 0.14937 | | R |  |
| 2674 | 0.00 | | -0.14096 | | R |  |
| 2691 | 0.00 | | -0.12239 | | R |  |
| 2697 | 0.00 | | -0.12585 | | R |  |
| 2717 | 0.00 | | -0.11765 | | R |  |
| 2724 | 0.00 | | -0.13073 | | R |  |
| 2741 | 0.00 | | -0.14011 | | R |  |
| 2758 | 0.00 | | -0.13291 | | R |  |
| 2763 | 0.00 | | -0.11072 | | R |  |
| 2768 | 0.00 | | -0.11048 | | R |  |
| 2775 | 0.00 | | -0.13229 | | R |  |
| 2797 | 0.00 | | -0.15443 | | R |  |
| 2810 | 0.00 | | -0.12670 | | R |  |
| 2816 | 0.00 | | -0.10849 | | R |  |
| 2822 | 0.00 | | -0.11708 | | R |  |
| 2828 | 0.00 | | -0.12915 | | R |  |
| 2832 | 0.00 | | -0.12058 | | R |  |
| 2842 | 0.00 | | 0.12678 | | R |  |
| 2843 | 0.00 | | 0.13153 | | R |  |
| 2844 | 0.00 | | 0.14572 | | R |  |
| 2852 | 0.00 | | 0.16379 | | R |  |
| 2859 | 0.00 | | 0.17654 | | R |  |
| 2862 | 0.00 | | 0.16428 | | R |  |
| 2868 | 0.00 | | 0.14635 | | R |  |
| 2876 | 0.00 | | 0.13019 | | R |  |
| 2877 | 0.00 | | -0.25355 | | R |  |
| 2878 | 0.00 | | 0.28760 | | R |  |
| 2882 | 0.00 | | 0.13097 | | R |  |
| 2900 | 0.00 | | 0.12882 | | R |  |
| 2908 | 0.00 | | 0.15316 | | R |  |
| 2927 | 0.00 | | 0.15051 | | R |  |
| 2930 | 0.00 | | 0.28604 | | R |  |
| 2936 | 0.00 | | 0.13067 | | R |  |
| 2937 | 0.00 | | -0.23858 | | R |  |
| 2976 | 0.00 | | 0.09185 | | R |  |
| 2983 | 0.00 | | 0.10781 | | R |  |
| 2989 | 0.00 | | 0.13132 | | R |  |
| 2996 | 0.00 | | 0.10644 | | R |  |
| 3009 | 0.00 | | 0.13824 | | R |  |
| 3013 | 0.00 | | 0.14409 | | R |  |
| 3024 | 0.00 | | 0.11935 | | R |  |
| 3028 | 0.00 | | 0.10732 | | R |  |
| 3038 | 0.00 | | 0.11426 | | R |  |
| 3040 | 0.00 | | 0.11396 | | R |  |
| 3042 | 0.00 | | 0.15951 | | R |  |
| 3044 | 0.00 | | 0.14490 | | R |  |
| 3051 | 0.00 | | 0.12759 | | R |  |
| 3060 | 0.00 | | 0.13083 | | R |  |
| 3062 | 0.00 | | 0.10661 | | R |  |
| 3065 | 0.00 | | 0.12147 | | R |  |
| 3079 | 0.00 | | 0.11732 | | R |  |
| 3084 | 0.00 | | 0.12879 | | R |  |
| 3091 | 0.00 | | 0.12697 | | R |  |
| 3096 | 0.00 | | 0.10858 | | R |  |
| 3100 | 0.00 | | 0.09839 | | R |  |
| 3103 | 0.00 | | 0.08575 | | R |  |
| 3109 | 0.00 | | 0.08826 | | R |  |
| 3114 | 0.00 | | 0.10103 | | R |  |
| 3120 | 0.00 | | 0.14175 | | R |  |
| 3126 | 0.00 | | 0.11084 | | R |  |
| 3133 | 0.00 | | 0.14606 | | R |  |
| 3148 | 0.00 | | 0.11143 | | R |  |
| 3181 | 0.00 | | 0.12525 | | R |  |
| 3216 | 0.00 | | 0.12252 | | R |  |
| 3229 | 0.00 | | 0.14779 | | R |  |
| 3231 | 0.00 | | 0.13520 | | R |  |
| 3233 | 0.00 | | 0.15286 | | R |  |
| 3243 | 0.00 | | 0.12257 | | R |  |
| 3274 | 0.00 | | 0.10380 | | R |  |
| 3288 | 0.00 | | 0.13455 | | R |  |
| 3289 | 0.00 | | -0.13418 | | R |  |
| 3293 | 0.00 | | 0.14467 | | R |  |
| 3302 | 0.00 | | -0.13703 | | R |  |
| 3305 | 0.00 | | -0.11847 | | R |  |
| 3327 | 0.00 | | -0.11379 | | R |  |
| 3332 | 0.00 | | -0.09762 | | R |  |
| 3338 | 0.00 | | -0.10525 | | R |  |
| 3344 | 0.00 | | -0.09377 | | R |  |
| 3348 | 0.00 | | -0.19074 | | R |  |
| 3351 | 0.00 | | -0.09017 | | R |  |
| 3362 | 0.00 | | -0.09085 | | R |  |
| 3370 | 0.00 | | -0.13135 | | R |  |
| 3385 | 0.00 | | -0.13755 | | R |  |
| 3393 | 0.00 | | -0.12357 | | R |  |
| 3403 | 0.00 | | -0.10876 | | R |  |
| 3405 | 0.00 | | -0.12115 | | R |  |
| 3406 | 0.00 | | -0.15164 | | R |  |
| 3425 | 0.00 | | -0.11330 | | R |  |
| 3445 | 0.00 | | -0.09749 | | R |  |
| 3483 | 0.00 | | -0.11541 | | R |  |
| 3486 | 0.00 | | -0.12630 | | R |  |
| 3492 | 0.00 | | -0.12208 | | R |  |
| 3493 | 0.00 | | 0.22877 | | R |  |
| 3495 | 0.00 | | -0.12090 | | R |  |
| 3499 | 0.00 | | -0.12552 | | R |  |
| 3503 | 0.00 | | -0.11660 | | R |  |
| 3506 | 0.00 | | -0.13060 | | R |  |
| 3511 | 0.00 | | -0.11165 | | R |  |
| 3514 | 0.00 | | -0.13637 | | R |  |
| 3519 | 0.00 | | -0.11436 | | R |  |
| 3523 | 0.00 | | -0.13300 | | R |  |
| 3558 | 0.00 | | -0.11582 | | R |  |
| 3564 | 0.00 | | -0.11616 | | R |  |
| 3567 | 0.00 | | -0.11367 | | R |  |
| 3569 | 0.00 | | -0.12841 | | R |  |
| 3581 | 0.00 | | -0.12028 | | R |  |
| 3584 | 0.00 | | -0.11699 | | R |  |
| 3593 | 0.00 | | -0.13366 | | R |  |
| 3613 | 0.00 | | -0.14289 | | R |  |
| 3616 | 0.00 | | -0.14224 | | R |  |
| 3620 | 0.00 | | 0.14826 | | R |  |
| 3626 | 0.00 | | -0.11073 | | R |  |
| 3631 | 0.00 | | -0.12513 | | R |  |
| 3632 | 0.00 | | 0.12138 | | R |  |
| 3662 | 0.00 | | 0.08717 | | R |  |
| 3665 | 0.00 | | 0.07593 | | R |  |
| 3680 | 0.00 | | -0.07691 | | R |  |
| 3701 | 0.00 | | -0.10795 | | R |  |
| 3717 | 0.00 | | -0.12066 | | R |  |
| 3722 | 0.00 | | -0.10582 | | R |  |
| 3736 | 0.00 | | -0.11525 | | R |  |
| 3737 | 0.00 | | 0.23825 | | R |  |
| 3738 | 0.00 | | -0.13355 | | R |  |
| 3740 | 0.00 | | -0.13220 | | R |  |
| 3747 | 0.00 | | -0.11640 | | R |  |
| 3754 | 0.00 | | -0.12503 | | R |  |
| 3765 | 0.00 | | -0.12595 | | R |  |
| 3769 | 0.00 | | -0.11288 | | R |  |
| 3793 | 0.00 | | -0.11090 | | R |  |
| 3801 | 0.00 | | -0.09942 | | R |  |
| 3804 | 0.00 | | -0.10906 | | R |  |
| 3806 | 0.00 | | 0.11499 | | R |  |
| 3810 | 0.00 | | -0.10684 | | R |  |
| 3819 | 0.00 | | -0.11062 | | R |  |
| 3837 | 0.00 | | -0.10089 | | R |  |
| 3841 | 0.00 | | -0.09307 | | R |  |
| 3842 | 0.00 | | -0.10213 | | R |  |
| 3843 | 0.00 | | 0.18885 | | R |  |
| 3844 | 0.00 | | -0.10295 | | R |  |
| 3865 | 0.00 | | -0.09209 | | R |  |
| 3868 | 0.00 | | -0.18244 | | R |  |
| 3870 | 0.00 | | -0.10258 | | R |  |
| 3876 | 0.00 | | -0.10993 | | R |  |
| 3877 | 0.00 | | 0.20484 | | R |  |
| 3896 | 0.00 | | -0.10393 | | R |  |
| 3902 | 0.00 | | 0.12009 | | R |  |
| 3903 | 0.00 | | -0.10235 | | R |  |
| 3947 | 0.00 | | -0.10573 | | R |  |
| 3959 | 0.00 | | -0.09968 | | R |  |
| 3963 | 0.00 | | -0.12291 | | R |  |
| 3969 | 0.00 | | -0.11659 | | R |  |
| 3973 | 0.00 | | -0.14111 | | R |  |
| 3977 | 0.00 | | -0.13343 | | R |  |
| 3988 | 0.00 | | 0.11911 | | R |  |
| 4000 | 0.00 | | 0.11216 | | R |  |
| 4008 | 0.00 | | -0.13382 | | R |  |
| 4012 | 0.00 | | -0.13003 | | R |  |
| 4022 | 0.00 | | 0.12309 | | R |  |
| 4029 | 0.00 | | -0.10859 | | R |  |
| 4040 | 0.00 | | 0.11514 | | R |  |
| 4043 | 0.00 | | -0.09945 | | R |  |
| 4049 | 0.00 | | -0.12800 | | R |  |
| 4052 | 0.00 | | -0.09305 | | R |  |
| 4083 | 0.00 | | 0.10766 | | R |  |
| 4103 | 0.00 | | 0.11837 | | R |  |
| 4134 | 0.00 | | 0.13829 | | R |  |
| 4150 | 0.00 | | 0.08612 | | R |  |
| 4155 | 0.00 | | -0.10187 | | R |  |
| 4156 | 0.00 | | 0.09611 | | R |  |
| 4158 | 0.00 | | -0.10326 | | R |  |
| 4159 | 0.00 | | 0.12209 | | R |  |
| 4161 | 0.00 | | -0.12139 | | R |  |
| 4172 | 0.00 | | -0.12777 | | R |  |
| 4176 | 0.00 | | -0.11770 | | R |  |
| 4182 | 0.00 | | -0.12298 | | R |  |
| 4184 | 0.00 | | -0.13591 | | R |  |
| 4195 | 0.00 | | 0.13625 | | R |  |
| 4216 | 0.00 | | -0.12416 | | R |  |
| 4264 | 0.00 | | -0.10609 | | R |  |
| 4266 | 0.00 | | 0.10841 | | R |  |
| 4267 | 0.00 | | -0.10461 | | R |  |
| 4272 | 0.00 | | -0.09785 | | R |  |
| 4274 | 0.00 | | -0.10366 | | R |  |
| 4280 | 0.00 | | -0.09494 | | R |  |
| 4289 | 0.00 | | 0.21759 | | R |  |
| 4294 | 0.00 | | -0.09375 | | R |  |
| 4301 | 0.00 | | 0.10624 | | R |  |
| 4312 | 0.00 | | -0.09829 | | R |  |
| 4314 | 0.00 | | -0.08964 | | R |  |
| 4320 | 0.00 | | -0.12919 | | R |  |
| 4325 | 0.00 | | -0.12062 | | R |  |
| 4338 | 0.00 | | 0.08357 | | R |  |
| 4343 | 0.00 | | -0.11418 | | R |  |
| 4357 | 0.00 | | -0.12490 | | R |  |
| 4363 | 0.00 | | -0.08975 | | R |  |
| 4378 | 0.00 | | -0.10302 | | R |  |
| 4388 | 0.00 | | -0.09333 | | R |  |
| 4399 | 0.00 | | -0.11095 | | R |  |
| 4406 | 0.00 | | 0.11286 | | R |  |
| 4411 | 0.00 | | 0.12731 | | R |  |
| 4414 | 0.00 | | 0.12255 | | R |  |
| 4417 | 0.00 | | 0.13891 | | R |  |
| 4419 | 0.00 | | 0.12102 | | R |  |
| 4434 | 0.00 | | 0.10097 | | R |  |
| 4441 | 0.00 | | 0.14231 | | R |  |
| 4443 | 0.00 | | 0.14140 | | R |  |
| 4465 | 0.00 | | 0.11861 | | R |  |
| 4467 | 0.00 | | 0.13036 | | R |  |
| 4470 | 0.00 | | 0.12881 | | R |  |
| 4473 | 0.00 | | 0.12513 | | R |  |
| 4477 | 0.00 | | 0.10490 | | R |  |
| 4489 | 0.00 | | 0.13395 | | R |  |
| 4492 | 0.00 | | 0.15483 | | R |  |
| 4503 | 0.00 | | 0.14947 | | R |  |
| 4506 | 0.00 | | 0.16610 | | R |  |
| 4513 | 0.00 | | 0.10239 | | R |  |
| 4517 | 0.00 | | 0.10865 | | R |  |
| 4526 | 0.00 | | 0.10442 | | R |  |
| 4529 | 0.00 | | 0.12941 | | R |  |
| 4533 | 0.00 | | 0.13100 | | R |  |
| 4541 | 0.00 | | 0.12047 | | R |  |
| 4551 | 0.00 | | 0.11428 | | R |  |
| 4553 | 0.00 | | 0.11479 | | R |  |
| 4560 | 0.00 | | 0.10303 | | R |  |
| 4573 | 0.00 | | -0.10801 | | R |  |
| 4580 | 0.00 | | 0.10009 | | R |  |
| 4584 | 0.00 | | 0.11383 | | R |  |
| 4599 | 0.00 | | 0.11443 | | R |  |
| 4612 | 0.00 | | 0.12831 | | R |  |
| 4617 | 0.00 | | 0.12150 | | R |  |
| 4623 | 0.00 | | 0.10207 | | R |  |
| 4626 | 0.00 | | 0.12651 | | R |  |
| 4635 | 0.00 | | -0.09472 | | R |  |
| 4638 | 0.00 | | 0.09166 | | R |  |
| 4659 | 0.00 | | 0.10790 | | R |  |
| 4661 | 0.00 | | 0.11005 | | R |  |
| 4666 | 0.00 | | 0.10759 | | R |  |
| 4675 | 0.00 | | 0.12864 | | R |  |
| 4681 | 0.00 | | 0.13133 | | R |  |

*R  Large residual  
X  Unusual X*



THERMAL EXPANSION ERROR

**Best Subsets Regression: Forward delta L versus delta L, T0, T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T11, T12, T13, T14, T15**

**Response is Forward delta L**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Vars** | **R-Sq** | **R-Sq (adj)** | | | | **PRESS** | | | | **R-Sq (pred)** | | | | | **Mallows Cp** | | | | | | **S** | | | **AICc** | | **BIC** |
| 1 | 99.9 | 99.9 | | | | 75.4 | | | | 99.9 | | | | | 144.5 | | | | | | 0.12684 | | | -6044.309 | | -6024.960 |
| 1 | 89.3 | 89.3 | | | | 6115.6 | | | | 89.2 | | | | | 385795.7 | | | | | | 1.1413 | | | 14528.717 | | 14548.066 |
| 2 | 99.9 | 99.9 | | | | 75.3 | | | | 99.9 | | | | | 138.3 | | | | | | 0.12674 | | | -6050.231 | | -6024.433 |
| 2 | 99.9 | 99.9 | | | | 75.3 | | | | 99.9 | | | | | 140.3 | | | | | | 0.12677 | | | -6048.320 | | -6022.522 |
| 3 | 99.9 | 99.9 | | | | 74.1 | | | | 99.9 | | | | | 61.8 | | | | | | 0.12572 | | | -6125.217 | | -6092.973 |
| 3 | 99.9 | 99.9 | | | | 74.2 | | | | 99.9 | | | | | 67.0 | | | | | | 0.12579 | | | -6120.093 | | -6087.849 |
| 4 | 99.9 | 99.9 | | | | 73.5 | | | | 99.9 | | | | | 22.5 | | | | | | 0.12518 | | | -6164.225 | | -6125.534 |
| 4 | 99.9 | 99.9 | | | | 73.7 | | | | 99.9 | | | | | 34.4 | | | | | | 0.12534 | | | -6152.435 | | -6113.744 |
| 5 | 99.9 | 99.9 | | | | 73.2 | | | | 99.9 | | | | | 7.6 | | | | | | 0.12497 | | | -6179.170 | | -6134.033 |
| 5 | 99.9 | 99.9 | | | | 73.4 | | | | 99.9 | | | | | 16.2 | | | | | | 0.12509 | | | -6170.514 | | -6125.378 |
| 6 | 99.9 | 99.9 | | | | 73.3 | | | | 99.9 | | | | | 7.7 | | | | | | 0.12496 | | | -6179.067 | | -6127.486 |
| 6 | 99.9 | 99.9 | | | | 73.3 | | | | 99.9 | | | | | 8.2 | | | | | | 0.12497 | | | -6178.537 | | -6126.956 |
| 7 | 99.9 | 99.9 | | | | 73.2 | | | | 99.9 | | | | | 4.3 | | | | | | 0.12490 | | | -6182.444 | | -6124.419 |
| 7 | 99.9 | 99.9 | | | | 73.2 | | | | 99.9 | | | | | 5.6 | | | | | | 0.12492 | | | -6181.123 | | -6123.098 |
| 8 | 99.9 | 99.9 | | | | 73.2 | | | | 99.9 | | | | | 4.2 | | | | | | 0.12489 | | | -6182.493 | | -6118.025 |
| 8 | 99.9 | 99.9 | | | | 73.2 | | | | 99.9 | | | | | 5.3 | | | | | | 0.12490 | | | -6181.463 | | -6116.995 |
| 9 | 99.9 | 99.9 | | | | 73.2 | | | | 99.9 | | | | | 5.9 | | | | | | 0.12489 | | | -6180.835 | | -6109.925 |
| 9 | 99.9 | 99.9 | | | | 73.2 | | | | 99.9 | | | | | 5.9 | | | | | | 0.12489 | | | -6180.776 | | -6109.866 |
| 10 | 99.9 | 99.9 | | | | 73.2 | | | | 99.9 | | | | | 5.7 | | | | | | 0.12488 | | | -6181.016 | | -6103.665 |
| 10 | 99.9 | 99.9 | | | | 73.2 | | | | 99.9 | | | | | 6.2 | | | | | | 0.12488 | | | -6180.539 | | -6103.188 |
| 11 | 99.9 | 99.9 | | | | 73.2 | | | | 99.9 | | | | | 7.1 | | | | | | 0.12488 | | | -6179.635 | | -6095.843 |
| 11 | 99.9 | 99.9 | | | | 73.2 | | | | 99.9 | | | | | 7.3 | | | | | | 0.12489 | | | -6179.388 | | -6095.597 |
| 12 | 99.9 | 99.9 | | | | 73.3 | | | | 99.9 | | | | | 8.3 | | | | | | 0.12489 | | | -6178.365 | | -6088.134 |
| 12 | 99.9 | 99.9 | | | | 73.3 | | | | 99.9 | | | | | 8.4 | | | | | | 0.12489 | | | -6178.306 | | -6088.075 |
| 13 | 99.9 | 99.9 | | | | 73.3 | | | | 99.9 | | | | | 10.2 | | | | | | 0.12490 | | | -6176.525 | | -6079.856 |
| 13 | 99.9 | 99.9 | | | | 73.3 | | | | 99.9 | | | | | 10.2 | | | | | | 0.12490 | | | -6176.499 | | -6079.830 |
| 14 | 99.9 | 99.9 | | | | 73.3 | | | | 99.9 | | | | | 12.0 | | | | | | 0.12491 | | | -6174.659 | | -6071.552 |
| 14 | 99.9 | 99.9 | | | | 73.3 | | | | 99.9 | | | | | 12.1 | | | | | | 0.12491 | | | -6174.606 | | -6071.499 |
| 15 | 99.9 | 99.9 | | | | 73.4 | | | | 99.9 | | | | | 14.0 | | | | | | 0.12492 | | | -6172.650 | | -6063.106 |
| 15 | 99.9 | 99.9 | | | | 73.4 | | | | 99.9 | | | | | 14.0 | | | | | | 0.12492 | | | -6172.646 | | -6063.102 |
| 16 | 99.9 | 99.9 | | | | 73.4 | | | | 99.9 | | | | | 16.0 | | | | | | 0.12494 | | | -6170.636 | | -6054.656 |
| 16 | 99.9 | 99.9 | | | | 73.4 | | | | 99.9 | | | | | 16.0 | | | | | | 0.12494 | | | -6170.635 | | -6054.655 |
| 17 | 99.9 | 99.9 | | | | 73.4 | | | | 99.9 | | | | | 18.0 | | | | | | 0.12495 | | | -6168.620 | | -6046.205 |
| **Vars** | **Cond No** | | **d e l t a  L** | **T 0** | **T 1** | | **T 2** | **T 3** | **T 4** | | **T 5** | **T 6** | **T 7** | **T 8** | | **T 9** | **T 1 0** | **T 1 1** | **T 1 2** | **T 1 3** | | **T 1 4** | **T 1 5** | |
| 1 | 1.000 | | X |  |  | |  |  |  | |  |  |  |  | |  |  |  |  |  | |  |  | |
| 1 | 1.000 | |  | X |  | |  |  |  | |  |  |  |  | |  |  |  |  |  | |  |  | |
| 2 | 35.336 | | X | X |  | |  |  |  | |  |  |  |  | |  |  |  |  |  | |  |  | |
| 2 | 30.085 | | X |  |  | |  | X |  | |  |  |  |  | |  |  |  |  |  | |  |  | |
| 3 | 515.294 | | X |  |  | |  |  |  | |  |  |  |  | |  |  |  | X |  | | X |  | |
| 3 | 683.517 | | X |  |  | |  |  |  | |  |  |  |  | |  |  |  |  | X | | X |  | |
| 4 | 1073.988 | | X | X |  | |  |  |  | |  |  |  |  | |  |  |  |  | X | | X |  | |
| 4 | 1004.151 | | X |  |  | |  |  |  | |  |  |  |  | |  |  |  | X | X | | X |  | |
| 5 | 3937.104 | | X | X |  | |  |  |  | |  |  |  |  | |  |  | X |  | X | | X |  | |
| 5 | 1544.570 | | X | X |  | |  |  |  | |  |  |  |  | |  | X |  |  | X | | X |  | |
| 6 | 4876.495 | | X | X |  | |  |  |  | |  |  |  | X | |  |  | X |  | X | | X |  | |
| 6 | 5098.943 | | X | X |  | |  |  |  | |  |  |  |  | |  | X | X |  | X | | X |  | |
| 7 | 6346.394 | | X | X |  | |  |  |  | |  |  |  |  | |  | X |  | X | X | | X | X | |
| 7 | 5648.477 | | X | X |  | |  |  |  | |  |  |  | X | |  |  | X |  | X | | X | X | |
| 8 | 12381.989 | | X | X |  | |  |  |  | |  |  |  |  | |  | X | X | X | X | | X | X | |
| 8 | 7337.202 | | X | X |  | |  |  |  | |  |  | X |  | |  | X |  | X | X | | X | X | |
| 9 | 20012.436 | | X | X |  | |  |  |  | |  |  |  | X | |  | X | X | X | X | | X | X | |
| 9 | 14971.732 | | X | X |  | | X |  |  | |  |  |  |  | |  | X | X | X | X | | X | X | |
| 10 | 16708.786 | | X | X |  | |  |  |  | | X | X |  | X | |  |  | X | X | X | | X | X | |
| 10 | 8960.366 | | X | X |  | |  | X |  | | X | X |  | X | |  |  | X |  | X | | X | X | |
| 11 | 28722.916 | | X | X |  | |  |  |  | | X | X |  | X | |  | X | X | X | X | | X | X | |
| 11 | 20950.492 | | X | X |  | | X |  |  | | X | X |  | X | |  |  | X | X | X | | X | X | |
| 12 | 35438.532 | | X | X |  | |  | X |  | | X | X |  | X | |  | X | X | X | X | | X | X | |
| 12 | 32286.603 | | X | X |  | | X |  |  | | X | X |  | X | |  | X | X | X | X | | X | X | |
| 13 | 38736.495 | | X | X |  | | X | X |  | | X | X |  | X | |  | X | X | X | X | | X | X | |
| 13 | 39429.197 | | X | X |  | |  | X |  | | X | X |  | X | | X | X | X | X | X | | X | X | |
| 14 | 42884.164 | | X | X |  | | X | X | X | | X | X |  | X | |  | X | X | X | X | | X | X | |
| 14 | 42676.476 | | X | X |  | | X | X |  | | X | X |  | X | | X | X | X | X | X | | X | X | |
| 15 | 54540.621 | | X | X | X | | X | X | X | | X | X |  | X | |  | X | X | X | X | | X | X | |
| 15 | 47855.798 | | X | X |  | | X | X | X | | X | X | X | X | |  | X | X | X | X | | X | X | |
| 16 | 68348.547 | | X | X | X | | X | X | X | | X | X |  | X | | X | X | X | X | X | | X | X | |
| 16 | 58552.343 | | X | X | X | | X | X | X | | X | X | X | X | |  | X | X | X | X | | X | X | |
| 17 | 78415.830 | | X | X | X | | X | X | X | | X | X | X | X | | X | X | X | X | X | | X | X | |

THERMAL EXPANSION ERROR

**Regression Analysis: Forward delta L versus delta L, T0, T10, T12, T13, T14, T15**

**Regression Equation**

|  |  |  |
| --- | --- | --- |
| Forward delta L | = | 3.694 + 0.02321 T0 - 0.1495 T10 + 0.02211 T12 + 0.1035 T13 - 0.2436 T14 + 0.0456 T15 + 0.93447 delta L |

**Coefficients**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Term** | **Coef** | **SE Coef** | **95% CI** | **T-Value** | **P-Value** | **VIF** |
| Constant | 3.694 | 0.774 | (2.176, 5.212) | 4.77 | 0.000 |  |
| T0 | 0.02321 | 0.00798 | (0.00756, 0.03885) | 2.91 | 0.004 | 60.10 |
| T10 | -0.1495 | 0.0342 | (-0.2165, -0.0825) | -4.38 | 0.000 | 31.64 |
| T12 | 0.02211 | 0.00875 | (0.00496, 0.03927) | 2.53 | 0.012 | 617.90 |
| T13 | 0.1035 | 0.0185 | (0.0673, 0.1397) | 5.60 | 0.000 | 493.70 |
| T14 | -0.2436 | 0.0210 | (-0.2848, -0.2023) | -11.58 | 0.000 | 82.36 |
| T15 | 0.0456 | 0.0115 | (0.0231, 0.0681) | 3.97 | 0.000 | 19.19 |
| delta L | 0.93447 | 0.00520 | (0.92427, 0.94466) | 179.65 | 0.000 | 98.87 |

**Model Summary**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S** | **R-sq** | **R-sq(adj)** | **PRESS** | **R-sq(pred)** | **AICc** | **BIC** |
| 0.124900 | 99.87% | 99.87% | 73.1975 | 99.87% | -6182.44 | -6124.42 |

**Analysis of Variance**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Source** | **DF** | **Seq SS** | **Contribution** | **Adj SS** | **Adj MS** | **F-Value** | **P-Value** |
| Regression | 7 | 56734.7 | 99.87% | 56734.7 | 8104.95 | 519551.41 | 0.000 |
| T0 | 1 | 50711.4 | 89.27% | 0.1 | 0.13 | 8.46 | 0.004 |
| T10 | 1 | 128.1 | 0.23% | 0.3 | 0.30 | 19.14 | 0.000 |
| T12 | 1 | 933.6 | 1.64% | 0.1 | 0.10 | 6.39 | 0.012 |
| T13 | 1 | 56.2 | 0.10% | 0.5 | 0.49 | 31.42 | 0.000 |
| T14 | 1 | 4348.9 | 7.66% | 2.1 | 2.09 | 134.10 | 0.000 |
| T15 | 1 | 53.0 | 0.09% | 0.2 | 0.25 | 15.77 | 0.000 |
| delta L | 1 | 503.5 | 0.89% | 503.5 | 503.46 | 32273.58 | 0.000 |
| Error | 4674 | 72.9 | 0.13% | 72.9 | 0.02 |  |  |
| Total | 4681 | 56807.6 | 100.00% |  |  |  |  |

**Fits and Diagnostics for Unusual Observations**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Obs** | **Forward delta L** | **Fit** | | **SE Fit** | | | **95% CI** | | **Resid** | **Std Resid** | **Del Resid** | **HI** |
| 1 | 0.0000 | -0.0422 | | 0.0198 | | | (-0.0810, -0.0035) | | 0.0422 | 0.34 | 0.34 | 0.0250662 |
| 2 | 0.0000 | -0.0416 | | 0.0200 | | | (-0.0808, -0.0024) | | 0.0416 | 0.34 | 0.34 | 0.0256768 |
| 3 | 0.0000 | -0.0399 | | 0.0198 | | | (-0.0788, -0.0011) | | 0.0399 | 0.32 | 0.32 | 0.0251641 |
| 4 | 0.2551 | -0.0442 | | 0.0205 | | | (-0.0843, -0.0041) | | 0.2993 | 2.43 | 2.43 | 0.0268240 |
| 5 | -0.0088 | 0.2060 | | 0.0190 | | | (0.1686, 0.2433) | | -0.2148 | -1.74 | -1.74 | 0.0232609 |
| 6 | 0.2463 | -0.0338 | | 0.0183 | | | (-0.0696, 0.0020) | | 0.2800 | 2.27 | 2.27 | 0.0213783 |
| 7 | 0.2463 | 0.2080 | | 0.0185 | | | (0.1717, 0.2444) | | 0.0382 | 0.31 | 0.31 | 0.0220228 |
| 8 | 0.2463 | 0.2108 | | 0.0186 | | | (0.1743, 0.2474) | | 0.0354 | 0.29 | 0.29 | 0.0222772 |
| 9 | 0.5014 | 0.2098 | | 0.0184 | | | (0.1736, 0.2459) | | 0.2916 | 2.36 | 2.36 | 0.0217788 |
| 10 | 0.2374 | 0.4445 | | 0.0194 | | | (0.4065, 0.4825) | | -0.2071 | -1.68 | -1.68 | 0.0240533 |
| 11 | 0.2374 | 0.2083 | | 0.0173 | | | (0.1744, 0.2423) | | 0.0291 | 0.24 | 0.23 | 0.0192051 |
| 12 | 0.4925 | 0.2150 | | 0.0169 | | | (0.1817, 0.2482) | | 0.2776 | 2.24 | 2.24 | 0.0184048 |
| 13 | 0.2286 | 0.4553 | | 0.0174 | | | (0.4212, 0.4893) | | -0.2267 | -1.83 | -1.83 | 0.0193643 |
| 14 | 0.2286 | 0.2111 | | 0.0171 | | | (0.1777, 0.2446) | | 0.0174 | 0.14 | 0.14 | 0.0186831 |
| 15 | 0.4837 | 0.2096 | | 0.0170 | | | (0.1762, 0.2431) | | 0.2740 | 2.21 | 2.22 | 0.0186237 |
| 16 | 0.4837 | 0.4469 | | 0.0175 | | | (0.4125, 0.4812) | | 0.0368 | 0.30 | 0.30 | 0.0197059 |
| 17 | 0.2197 | 0.4609 | | 0.0160 | | | (0.4295, 0.4922) | | -0.2412 | -1.95 | -1.95 | 0.0163947 |
| 18 | 0.4748 | 0.2197 | | 0.0156 | | | (0.1891, 0.2502) | | 0.2552 | 2.06 | 2.06 | 0.0155905 |
| 19 | 0.4748 | 0.4553 | | 0.0160 | | | (0.4240, 0.4866) | | 0.0195 | 0.16 | 0.16 | 0.0163811 |
| 20 | 0.3384 | 0.4573 | | 0.0158 | | | (0.4263, 0.4883) | | -0.1189 | -0.96 | -0.96 | 0.0160464 |
| 21 | 0.2109 | 0.3313 | | 0.0160 | | | (0.3000, 0.3626) | | -0.1204 | -0.97 | -0.97 | 0.0163164 |
| 22 | 0.4660 | 0.2116 | | 0.0156 | | | (0.1810, 0.2422) | | 0.2544 | 2.05 | 2.05 | 0.0156150 |
| 23 | 0.4660 | 0.4652 | | 0.0147 | | | (0.4363, 0.4942) | | 0.0007 | 0.01 | 0.01 | 0.0139453 |
| 24 | 0.4660 | 0.4661 | | 0.0146 | | | (0.4376, 0.4946) | | -0.0001 | -0.00 | -0.00 | 0.0135717 |
| 25 | 0.4660 | 0.4664 | | 0.0148 | | | (0.4375, 0.4954) | | -0.0005 | -0.00 | -0.00 | 0.0139926 |
| 26 | 0.4660 | 0.4679 | | 0.0146 | | | (0.4394, 0.4965) | | -0.0020 | -0.02 | -0.02 | 0.0136192 |
| 27 | 0.4660 | 0.4646 | | 0.0150 | | | (0.4353, 0.4939) | | 0.0014 | 0.01 | 0.01 | 0.0143630 |
| 28 | 0.4571 | 0.4665 | | 0.0141 | | | (0.4388, 0.4942) | | -0.0094 | -0.08 | -0.08 | 0.0128042 |
| 29 | 0.4571 | 0.4679 | | 0.0136 | | | (0.4412, 0.4945) | | -0.0108 | -0.09 | -0.09 | 0.0118745 |
| 30 | 0.4571 | 0.4710 | | 0.0135 | | | (0.4446, 0.4975) | | -0.0139 | -0.11 | -0.11 | 0.0116641 |
| 31 | 0.4571 | 0.4728 | | 0.0138 | | | (0.4457, 0.4999) | | -0.0157 | -0.13 | -0.13 | 0.0122555 |
| 32 | 0.7122 | 0.4730 | | 0.0136 | | | (0.4463, 0.4997) | | 0.2392 | 1.93 | 1.93 | 0.0118539 |
| 33 | 0.4571 | 0.7030 | | 0.0142 | | | (0.6752, 0.7309) | | -0.2459 | -1.98 | -1.98 | 0.0129341 |
| 34 | 0.4571 | 0.4755 | | 0.0132 | | | (0.4497, 0.5014) | | -0.0184 | -0.15 | -0.15 | 0.0111331 |
| 35 | 0.7122 | 0.4828 | | 0.0132 | | | (0.4569, 0.5087) | | 0.2294 | 1.85 | 1.85 | 0.0111841 |
| 36 | 0.4483 | 0.7230 | | 0.0132 | | | (0.6972, 0.7488) | | -0.2748 | -2.21 | -2.21 | 0.0111077 |
| 37 | 0.4483 | 0.4762 | | 0.0132 | | | (0.4504, 0.5021) | | -0.0280 | -0.23 | -0.23 | 0.0111336 |
| 38 | 0.4483 | 0.4756 | | 0.0130 | | | (0.4501, 0.5011) | | -0.0273 | -0.22 | -0.22 | 0.0108084 |
| 39 | 0.7034 | 0.4696 | | 0.0132 | | | (0.4437, 0.4954) | | 0.2338 | 1.88 | 1.88 | 0.0111447 |
| 40 | 0.7034 | 0.7247 | | 0.0125 | | | (0.7002, 0.7492) | | -0.0213 | -0.17 | -0.17 | 0.0100338 |
| 41 | 0.7034 | 0.7267 | | 0.0124 | | | (0.7025, 0.7510) | | -0.0234 | -0.19 | -0.19 | 0.0097906 |
| 42 | 0.7034 | 0.7263 | | 0.0124 | | | (0.7021, 0.7506) | | -0.0230 | -0.18 | -0.18 | 0.0098038 |
| 43 | 0.6945 | 0.7265 | | 0.0122 | | | (0.7025, 0.7505) | | -0.0320 | -0.26 | -0.26 | 0.0096095 |
| 44 | 0.6945 | 0.7183 | | 0.0122 | | | (0.6943, 0.7423) | | -0.0238 | -0.19 | -0.19 | 0.0096090 |
| 45 | 0.6945 | 0.7186 | | 0.0120 | | | (0.6950, 0.7422) | | -0.0241 | -0.19 | -0.19 | 0.0093027 |
| 46 | 0.6945 | 0.7324 | | 0.0119 | | | (0.7090, 0.7559) | | -0.0379 | -0.31 | -0.30 | 0.0091488 |
| 47 | 0.9496 | 0.7351 | | 0.0118 | | | (0.7120, 0.7583) | | 0.2145 | 1.72 | 1.73 | 0.0089658 |
| 48 | 0.9496 | 0.9774 | | 0.0117 | | | (0.9544, 1.0004) | | -0.0278 | -0.22 | -0.22 | 0.0088294 |
| 49 | 0.9496 | 0.9811 | | 0.0116 | | | (0.9583, 1.0038) | | -0.0315 | -0.25 | -0.25 | 0.0086359 |
| 50 | 0.9496 | 0.9735 | | 0.0116 | | | (0.9507, 0.9964) | | -0.0239 | -0.19 | -0.19 | 0.0086943 |
| 51 | 0.6857 | 0.9819 | | 0.0112 | | | (0.9599, 1.0040) | | -0.2963 | -2.38 | -2.38 | 0.0081098 |
| 52 | 0.6857 | 0.7406 | | 0.0115 | | | (0.7180, 0.7632) | | -0.0549 | -0.44 | -0.44 | 0.0085137 |
| 53 | 0.9408 | 0.7426 | | 0.0113 | | | (0.7204, 0.7648) | | 0.1982 | 1.59 | 1.59 | 0.0082064 |
| 54 | 0.9408 | 0.9844 | | 0.0110 | | | (0.9629, 1.0059) | | -0.0436 | -0.35 | -0.35 | 0.0077062 |
| 55 | 0.9408 | 0.9811 | | 0.0106 | | | (0.9603, 1.0020) | | -0.0403 | -0.32 | -0.32 | 0.0072542 |
| 56 | 0.9408 | 0.9765 | | 0.0106 | | | (0.9556, 0.9973) | | -0.0357 | -0.29 | -0.29 | 0.0072596 |
| 57 | 0.9408 | 0.9923 | | 0.0106 | | | (0.9716, 1.0130) | | -0.0515 | -0.41 | -0.41 | 0.0071407 |
| 58 | 0.9408 | 0.9939 | | 0.0106 | | | (0.9731, 1.0146) | | -0.0531 | -0.43 | -0.43 | 0.0071701 |
| 59 | 0.6768 | 0.9950 | | 0.0104 | | | (0.9747, 1.0153) | | -0.3182 | -2.56 | -2.56 | 0.0068744 |
| 60 | 0.9319 | 0.7491 | | 0.0107 | | | (0.7281, 0.7702) | | 0.1828 | 1.47 | 1.47 | 0.0073778 |
| 61 | 0.9319 | 0.9839 | | 0.0102 | | | (0.9640, 1.0039) | | -0.0520 | -0.42 | -0.42 | 0.0066432 |
| 62 | 0.9319 | 0.9867 | | 0.0100 | | | (0.9672, 1.0063) | | -0.0548 | -0.44 | -0.44 | 0.0063718 |
| 63 | 0.9319 | 0.9972 | | 0.0102 | | | (0.9772, 1.0172) | | -0.0653 | -0.52 | -0.52 | 0.0066830 |
| 64 | 0.9319 | 0.9948 | | 0.0100 | | | (0.9752, 1.0144) | | -0.0629 | -0.50 | -0.50 | 0.0064092 |
| 65 | 1.1870 | 0.9960 | | 0.0099 | | | (0.9765, 1.0154) | | 0.1911 | 1.53 | 1.53 | 0.0062812 |
| 66 | 1.1870 | 1.2308 | | 0.0092 | | | (1.2128, 1.2487) | | -0.0437 | -0.35 | -0.35 | 0.0053950 |
| 67 | 1.1870 | 1.2262 | | 0.0094 | | | (1.2078, 1.2446) | | -0.0392 | -0.31 | -0.31 | 0.0056562 |
| 75 | 1.1782 | 1.2360 | | 0.0091 | | | (1.2181, 1.2539) | | -0.0578 | -0.46 | -0.46 | 0.0053645 |
| 76 | 1.4333 | 1.2393 | | 0.0091 | | | (1.2215, 1.2570) | | 0.1940 | 1.56 | 1.56 | 0.0052675 |
| 80 | 1.1693 | 1.4785 | | 0.0084 | | | (1.4620, 1.4950) | | -0.3092 | -2.48 | -2.48 | 0.0045527 |
| 128 | 2.6822 | 2.9530 | | 0.0072 | | | (2.9390, 2.9671) | | -0.2708 | -2.17 | -2.17 | 0.0032967 |
| 132 | 2.6734 | 2.9692 | | 0.0071 | | | (2.9553, 2.9830) | | -0.2958 | -2.37 | -2.37 | 0.0031936 |
| 146 | 3.1836 | 3.4568 | | 0.0072 | | | (3.4427, 3.4709) | | -0.2732 | -2.19 | -2.19 | 0.0033199 |
| 154 | 3.4387 | 3.7083 | | 0.0072 | | | (3.6941, 3.7225) | | -0.2696 | -2.16 | -2.16 | 0.0033600 |
| 156 | 3.4387 | 3.7076 | | 0.0074 | | | (3.6930, 3.7222) | | -0.2689 | -2.16 | -2.16 | 0.0035390 |
| 159 | 3.4298 | 3.7140 | | 0.0074 | | | (3.6994, 3.7286) | | -0.2841 | -2.28 | -2.28 | 0.0035500 |
| 180 | 3.9312 | 4.2087 | | 0.0066 | | | (4.1957, 4.2216) | | -0.2775 | -2.22 | -2.23 | 0.0028092 |
| 226 | 4.9428 | 5.1999 | | 0.0067 | | | (5.1869, 5.2130) | | -0.2572 | -2.06 | -2.06 | 0.0028426 |
| 246 | 5.4441 | 5.7073 | | 0.0064 | | | (5.6948, 5.7197) | | -0.2631 | -2.11 | -2.11 | 0.0025905 |
| 252 | 5.4441 | 5.7016 | | 0.0064 | | | (5.6890, 5.7142) | | -0.2575 | -2.06 | -2.06 | 0.0026538 |
| 256 | 5.4441 | 5.7095 | | 0.0064 | | | (5.6971, 5.7220) | | -0.2654 | -2.13 | -2.13 | 0.0025889 |
| 281 | 5.9455 | 6.2154 | | 0.0070 | | | (6.2017, 6.2292) | | -0.2700 | -2.16 | -2.17 | 0.0031622 |
| 283 | 5.9455 | 6.2052 | | 0.0061 | | | (6.1932, 6.2172) | | -0.2598 | -2.08 | -2.08 | 0.0023965 |
| 285 | 5.9455 | 6.2097 | | 0.0070 | | | (6.1960, 6.2234) | | -0.2642 | -2.12 | -2.12 | 0.0031275 |
| 289 | 6.4645 | 6.2142 | | 0.0058 | | | (6.2029, 6.2255) | | 0.2503 | 2.01 | 2.01 | 0.0021282 |
| 307 | 6.4557 | 6.7389 | | 0.0070 | | | (6.7251, 6.7527) | | -0.2832 | -2.27 | -2.27 | 0.0031588 |
| 309 | 6.4557 | 6.7270 | | 0.0060 | | | (6.7153, 6.7387) | | -0.2713 | -2.17 | -2.18 | 0.0022824 |
| 319 | 6.7108 | 6.9929 | | 0.0065 | | | (6.9803, 7.0056) | | -0.2821 | -2.26 | -2.26 | 0.0026727 |
| 323 | 6.7108 | 6.9932 | | 0.0062 | | | (6.9811, 7.0053) | | -0.2824 | -2.26 | -2.26 | 0.0024260 |
| 328 | 6.9659 | 7.2373 | | 0.0063 | | | (7.2248, 7.2497) | | -0.2714 | -2.18 | -2.18 | 0.0025812 |
| 329 | 6.7108 | 6.9904 | | 0.0058 | | | (6.9791, 7.0017) | | -0.2796 | -2.24 | -2.24 | 0.0021267 |
| 334 | 6.9659 | 7.2342 | | 0.0059 | | | (7.2228, 7.2457) | | -0.2684 | -2.15 | -2.15 | 0.0021975 |
| 347 | 7.2121 | 7.4860 | | 0.0062 | | | (7.4739, 7.4982) | | -0.2739 | -2.20 | -2.20 | 0.0024535 |
| 359 | 6.9570 | 7.7227 | | 0.0060 | | | (7.7109, 7.7344) | | -0.7656 | -6.14 | -6.16 | 0.0023000 |
| 360 | 7.4672 | 7.0074 | | 0.0064 | | | (6.9948, 7.0200) | | 0.4598 | 3.69 | 3.69 | 0.0026485 |
| 364 | 7.9863 | 7.7164 | | 0.0068 | | | (7.7031, 7.7296) | | 0.2699 | 2.16 | 2.17 | 0.0029338 |
| 372 | 7.9774 | 7.7120 | | 0.0065 | | | (7.6993, 7.7248) | | 0.2654 | 2.13 | 2.13 | 0.0027180 |
| 385 | 8.2326 | 7.9644 | | 0.0058 | | | (7.9530, 7.9759) | | 0.2681 | 2.15 | 2.15 | 0.0021818 |
| 438 | 8.9890 | 8.7337 | | 0.0056 | | | (8.7228, 8.7446) | | 0.2553 | 2.05 | 2.05 | 0.0019876 |
| 456 | 9.2441 | 8.9938 | | 0.0056 | | | (8.9828, 9.0049) | | 0.2503 | 2.01 | 2.01 | 0.0020279 |
| 471 | 9.4992 | 9.2464 | | 0.0064 | | | (9.2337, 9.2590) | | 0.2529 | 2.03 | 2.03 | 0.0026562 |
| 503 | 9.7543 | 10.0086 | | 0.0049 | | | (9.9990, 10.0183) | | -0.2543 | -2.04 | -2.04 | 0.0015651 |
| 519 | 10.0006 | 10.2791 | | 0.0055 | | | (10.2683, 10.2900) | | -0.2786 | -2.23 | -2.23 | 0.0019550 |
| 547 | 10.2557 | 10.5165 | | 0.0052 | | | (10.5063, 10.5268) | | -0.2608 | -2.09 | -2.09 | 0.0017526 |
| 580 | 10.5108 | 10.7899 | | 0.0046 | | | (10.7809, 10.7989) | | -0.2791 | -2.24 | -2.24 | 0.0013549 |
| 584 | 10.7659 | 11.0368 | | 0.0044 | | | (11.0282, 11.0454) | | -0.2709 | -2.17 | -2.17 | 0.0012363 |
| 590 | 11.5312 | 11.0360 | | 0.0050 | | | (11.0263, 11.0458) | | 0.4952 | 3.97 | 3.97 | 0.0015917 |
| 604 | 11.5223 | 11.7812 | | 0.0046 | | | (11.7723, 11.7901) | | -0.2589 | -2.07 | -2.07 | 0.0013276 |
| 659 | 11.5135 | 11.8017 | | 0.0053 | | | (11.7912, 11.8121) | | -0.2882 | -2.31 | -2.31 | 0.0018152 |
| 662 | 11.5135 | 11.8009 | | 0.0049 | | | (11.7913, 11.8104) | | -0.2874 | -2.30 | -2.30 | 0.0015110 |
| 666 | 11.5135 | 11.8072 | | 0.0051 | | | (11.7972, 11.8172) | | -0.2937 | -2.35 | -2.35 | 0.0016576 |
| 674 | 11.7774 | 12.0554 | | 0.0046 | | | (12.0464, 12.0645) | | -0.2780 | -2.23 | -2.23 | 0.0013732 |
| 676 | 11.7774 | 12.0629 | | 0.0039 | | | (12.0552, 12.0705) | | -0.2854 | -2.29 | -2.29 | 0.0009797 |
| 682 | 11.7774 | 12.0581 | | 0.0034 | | | (12.0514, 12.0649) | | -0.2807 | -2.25 | -2.25 | 0.0007623 |
| 714 | 12.0237 | 12.3319 | | 0.0045 | | | (12.3230, 12.3408) | | -0.3082 | -2.47 | -2.47 | 0.0013214 |
| 718 | 12.0237 | 12.3277 | | 0.0045 | | | (12.3188, 12.3366) | | -0.3040 | -2.44 | -2.44 | 0.0013254 |
| 722 | 12.0237 | 12.3083 | | 0.0054 | | | (12.2976, 12.3189) | | -0.2846 | -2.28 | -2.28 | 0.0018792 |
| 725 | 12.0237 | 12.3184 | | 0.0050 | | | (12.3087, 12.3281) | | -0.2947 | -2.36 | -2.36 | 0.0015772 |
| 730 | 12.2788 | 12.5686 | | 0.0051 | | | (12.5587, 12.5786) | | -0.2898 | -2.32 | -2.32 | 0.0016602 |
| 734 | 12.2876 | 12.5775 | | 0.0049 | | | (12.5678, 12.5872) | | -0.2898 | -2.32 | -2.32 | 0.0015704 |
| 743 | 12.2788 | 12.5734 | | 0.0045 | | | (12.5646, 12.5821) | | -0.2946 | -2.36 | -2.36 | 0.0012864 |
| 745 | 12.2788 | 12.5702 | | 0.0046 | | | (12.5612, 12.5793) | | -0.2914 | -2.34 | -2.34 | 0.0013693 |
| 752 | 12.2788 | 12.5803 | | 0.0051 | | | (12.5703, 12.5903) | | -0.3015 | -2.42 | -2.42 | 0.0016661 |
| 786 | 12.5339 | 12.8530 | | 0.0059 | | | (12.8415, 12.8646) | | -0.3191 | -2.56 | -2.56 | 0.0022192 |
| 789 | 12.5339 | 12.8344 | | 0.0059 | | | (12.8229, 12.8460) | | -0.3005 | -2.41 | -2.41 | 0.0022330 |
| 791 | 12.5339 | 12.8512 | | 0.0055 | | | (12.8403, 12.8620) | | -0.3173 | -2.54 | -2.54 | 0.0019590 |
| 827 | 13.0441 | 13.3477 | | 0.0058 | | | (13.3364, 13.3590) | | -0.3036 | -2.43 | -2.43 | 0.0021459 |
| 847 | 13.8094 | 14.0870 | | 0.0033 | | | (14.0804, 14.0935) | | -0.2775 | -2.22 | -2.22 | 0.0007192 |
| 849 | 13.8094 | 14.0750 | | 0.0044 | | | (14.0664, 14.0836) | | -0.2656 | -2.13 | -2.13 | 0.0012258 |
| 855 | 14.3196 | 14.0636 | | 0.0057 | | | (14.0523, 14.0749) | | 0.2560 | 2.05 | 2.05 | 0.0021185 |
| 861 | 14.5747 | 14.3185 | | 0.0039 | | | (14.3108, 14.3261) | | 0.2563 | 2.05 | 2.05 | 0.0009828 |
| 881 | 14.8298 | 14.5721 | | 0.0039 | | | (14.5645, 14.5797) | | 0.2577 | 2.06 | 2.07 | 0.0009676 |
| 889 | 14.8298 | 14.5787 | | 0.0040 | | | (14.5708, 14.5866) | | 0.2512 | 2.01 | 2.01 | 0.0010414 |
| 893 | 14.5659 | 14.8166 | | 0.0049 | | | (14.8069, 14.8263) | | -0.2507 | -2.01 | -2.01 | 0.0015644 |
| 895 | 15.0849 | 14.8050 | | 0.0052 | | | (14.7948, 14.8152) | | 0.2799 | 2.24 | 2.24 | 0.0017257 |
| 907 | 15.0849 | 14.8197 | | 0.0038 | | | (14.8122, 14.8272) | | 0.2652 | 2.12 | 2.13 | 0.0009308 |
| 911 | 15.0849 | 14.8091 | | 0.0037 | | | (14.8019, 14.8162) | | 0.2759 | 2.21 | 2.21 | 0.0008582 |
| 929 | 15.3400 | 15.0506 | | 0.0059 | | | (15.0391, 15.0622) | | 0.2894 | 2.32 | 2.32 | 0.0022175 |
| 945 | 15.3400 | 15.0676 | | 0.0042 | | | (15.0594, 15.0759) | | 0.2724 | 2.18 | 2.18 | 0.0011314 |
| 947 | 15.3312 | 15.0593 | | 0.0058 | | | (15.0480, 15.0706) | | 0.2719 | 2.18 | 2.18 | 0.0021274 |
| 978 | 15.5863 | 15.3307 | | 0.0038 | | | (15.3234, 15.3381) | | 0.2556 | 2.05 | 2.05 | 0.0009032 |
| 994 | 15.5951 | 15.3417 | | 0.0037 | | | (15.3344, 15.3490) | | 0.2534 | 2.03 | 2.03 | 0.0008874 |
| 995 | 15.3312 | 15.5946 | | 0.0037 | | | (15.5873, 15.6019) | | -0.2634 | -2.11 | -2.11 | 0.0008899 |
| 1002 | 15.8502 | 15.5821 | | 0.0037 | | | (15.5749, 15.5893) | | 0.2681 | 2.15 | 2.15 | 0.0008649 |
| 1023 | 15.5863 | 15.8407 | | 0.0039 | | | (15.8330, 15.8484) | | -0.2544 | -2.04 | -2.04 | 0.0009795 |
| 1024 | 15.8502 | 15.5995 | | 0.0039 | | | (15.5919, 15.6071) | | 0.2508 | 2.01 | 2.01 | 0.0009634 |
| 1026 | 15.8502 | 15.5971 | | 0.0037 | | | (15.5898, 15.6044) | | 0.2532 | 2.03 | 2.03 | 0.0008921 |
| 1036 | 15.8502 | 15.5953 | | 0.0045 | | | (15.5865, 15.6041) | | 0.2550 | 2.04 | 2.04 | 0.0012898 |
| 1037 | 15.5863 | 15.8387 | | 0.0040 | | | (15.8309, 15.8465) | | -0.2524 | -2.02 | -2.02 | 0.0010099 |
| 1073 | 15.8414 | 16.0960 | | 0.0052 | | | (16.0857, 16.1062) | | -0.2546 | -2.04 | -2.04 | 0.0017430 |
| 1076 | 16.0965 | 15.8395 | | 0.0037 | | | (15.8322, 15.8468) | | 0.2570 | 2.06 | 2.06 | 0.0008942 |
| 1094 | 15.8325 | 16.0837 | | 0.0039 | | | (16.0761, 16.0913) | | -0.2512 | -2.01 | -2.01 | 0.0009701 |
| 1096 | 15.8325 | 16.0867 | | 0.0045 | | | (16.0778, 16.0955) | | -0.2541 | -2.04 | -2.04 | 0.0013006 |
| 1099 | 16.0965 | 15.8390 | | 0.0039 | | | (15.8313, 15.8468) | | 0.2575 | 2.06 | 2.06 | 0.0009990 |
| 1111 | 16.3516 | 16.0913 | | 0.0039 | | | (16.0835, 16.0990) | | 0.2603 | 2.09 | 2.09 | 0.0009990 |
| 1113 | 16.3516 | 16.1004 | | 0.0052 | | | (16.0902, 16.1106) | | 0.2512 | 2.01 | 2.01 | 0.0017370 |
| 1116 | 16.3516 | 16.0986 | | 0.0038 | | | (16.0912, 16.1060) | | 0.2530 | 2.03 | 2.03 | 0.0009127 |
| 1121 | 16.3516 | 16.0992 | | 0.0039 | | | (16.0917, 16.1068) | | 0.2524 | 2.02 | 2.02 | 0.0009508 |
| 1143 | 16.6067 | 16.3437 | | 0.0052 | | | (16.3336, 16.3539) | | 0.2629 | 2.11 | 2.11 | 0.0017304 |
| 1148 | 16.6067 | 16.3319 | | 0.0040 | | | (16.3242, 16.3397) | | 0.2748 | 2.20 | 2.20 | 0.0010016 |
| 1217 | 16.6155 | 16.3658 | | 0.0060 | | | (16.3541, 16.3776) | | 0.2497 | 2.00 | 2.00 | 0.0023043 |
| 1227 | 16.3427 | 16.6168 | | 0.0058 | | | (16.6054, 16.6283) | | -0.2741 | -2.20 | -2.20 | 0.0021761 |
| 1232 | 16.3427 | 16.6182 | | 0.0055 | | | (16.6074, 16.6289) | | -0.2754 | -2.21 | -2.21 | 0.0019359 |
| 1236 | 16.3427 | 16.6067 | | 0.0047 | | | (16.5974, 16.6160) | | -0.2639 | -2.11 | -2.12 | 0.0014388 |
| 1281 | 16.8618 | 16.5916 | | 0.0046 | | | (16.5825, 16.6007) | | 0.2702 | 2.16 | 2.17 | 0.0013859 |
| 1284 | 16.8618 | 16.6001 | | 0.0048 | | | (16.5906, 16.6096) | | 0.2617 | 2.10 | 2.10 | 0.0015070 |
| 1316 | 16.8618 | 16.5917 | | 0.0053 | | | (16.5814, 16.6021) | | 0.2701 | 2.16 | 2.17 | 0.0017859 |
| 1321 | 16.8618 | 16.5849 | | 0.0051 | | | (16.5748, 16.5949) | | 0.2769 | 2.22 | 2.22 | 0.0016785 |
| 1328 | 16.8618 | 16.5901 | | 0.0039 | | | (16.5824, 16.5978) | | 0.2717 | 2.18 | 2.18 | 0.0009993 |
| 1331 | 16.8618 | 16.5883 | | 0.0043 | | | (16.5798, 16.5968) | | 0.2735 | 2.19 | 2.19 | 0.0012009 |
| 1337 | 16.8618 | 16.6017 | | 0.0054 | | | (16.5912, 16.6123) | | 0.2600 | 2.08 | 2.08 | 0.0018535 |
| 1343 | 16.8618 | 16.5966 | | 0.0051 | | | (16.5866, 16.6066) | | 0.2652 | 2.12 | 2.13 | 0.0016708 |
| 1350 | 16.8618 | 16.6056 | | 0.0041 | | | (16.5975, 16.6136) | | 0.2562 | 2.05 | 2.05 | 0.0010839 |
| 1355 | 16.5978 | 16.8566 | | 0.0045 | | | (16.8477, 16.8655) | | -0.2588 | -2.07 | -2.07 | 0.0013169 |
| 1360 | 16.8618 | 16.5965 | | 0.0040 | | | (16.5886, 16.6045) | | 0.2652 | 2.12 | 2.13 | 0.0010462 |
| 1365 | 16.8618 | 16.5941 | | 0.0040 | | | (16.5862, 16.6020) | | 0.2677 | 2.14 | 2.15 | 0.0010342 |
| 1369 | 16.5978 | 16.8489 | | 0.0049 | | | (16.8392, 16.8586) | | -0.2511 | -2.01 | -2.01 | 0.0015705 |
| 1371 | 16.8618 | 16.6002 | | 0.0045 | | | (16.5914, 16.6089) | | 0.2616 | 2.10 | 2.10 | 0.0012815 |
| 1381 | 16.8618 | 16.6101 | | 0.0043 | | | (16.6016, 16.6186) | | 0.2517 | 2.02 | 2.02 | 0.0012062 |
| 1401 | 16.8618 | 16.6036 | | 0.0037 | | | (16.5965, 16.6108) | | 0.2582 | 2.07 | 2.07 | 0.0008564 |
| 1405 | 17.1169 | 16.8558 | | 0.0040 | | | (16.8479, 16.8636) | | 0.2611 | 2.09 | 2.09 | 0.0010294 |
| 1408 | 17.1169 | 16.8440 | | 0.0045 | | | (16.8351, 16.8529) | | 0.2729 | 2.19 | 2.19 | 0.0013168 |
| 1411 | 17.1169 | 16.8538 | | 0.0040 | | | (16.8461, 16.8616) | | 0.2631 | 2.11 | 2.11 | 0.0010039 |
| 1430 | 16.8618 | 16.6065 | | 0.0042 | | | (16.5982, 16.6148) | | 0.2553 | 2.04 | 2.05 | 0.0011477 |
| 1435 | 17.1169 | 16.8489 | | 0.0043 | | | (16.8404, 16.8573) | | 0.2680 | 2.15 | 2.15 | 0.0011962 |
| 1447 | 16.5978 | 16.8492 | | 0.0044 | | | (16.8405, 16.8578) | | -0.2513 | -2.01 | -2.01 | 0.0012569 |
| 1451 | 16.5978 | 16.8568 | | 0.0039 | | | (16.8491, 16.8645) | | -0.2589 | -2.07 | -2.07 | 0.0009821 |
| 1477 | 16.5978 | 16.8529 | | 0.0048 | | | (16.8436, 16.8623) | | -0.2551 | -2.04 | -2.04 | 0.0014653 |
| 1478 | 16.8618 | 16.6095 | | 0.0049 | | | (16.5998, 16.6192) | | 0.2523 | 2.02 | 2.02 | 0.0015562 |
| 1479 | 16.5978 | 16.8522 | | 0.0049 | | | (16.8426, 16.8618) | | -0.2544 | -2.04 | -2.04 | 0.0015391 |
| 1480 | 16.8618 | 16.6004 | | 0.0050 | | | (16.5907, 16.6102) | | 0.2614 | 2.09 | 2.09 | 0.0015905 |
| 1587 | 17.1169 | 16.8495 | | 0.0042 | | | (16.8412, 16.8577) | | 0.2674 | 2.14 | 2.14 | 0.0011335 |
| 1589 | 17.1169 | 16.8385 | | 0.0051 | | | (16.8284, 16.8486) | | 0.2784 | 2.23 | 2.23 | 0.0016950 |
| 1609 | 16.8618 | 17.1115 | | 0.0050 | | | (17.1017, 17.1214) | | -0.2497 | -2.00 | -2.00 | 0.0016205 |
| 1611 | 17.1169 | 16.8586 | | 0.0046 | | | (16.8497, 16.8676) | | 0.2583 | 2.07 | 2.07 | 0.0013413 |
| 1617 | 17.1169 | 16.8544 | | 0.0044 | | | (16.8458, 16.8631) | | 0.2625 | 2.10 | 2.10 | 0.0012523 |
| 1624 | 17.1169 | 16.8464 | | 0.0048 | | | (16.8370, 16.8557) | | 0.2705 | 2.17 | 2.17 | 0.0014535 |
| 1627 | 17.1169 | 16.8488 | | 0.0044 | | | (16.8402, 16.8573) | | 0.2681 | 2.15 | 2.15 | 0.0012265 |
| 1631 | 17.1169 | 16.8506 | | 0.0044 | | | (16.8420, 16.8592) | | 0.2663 | 2.13 | 2.13 | 0.0012304 |
| 1663 | 17.3720 | 17.0928 | | 0.0046 | | | (17.0838, 17.1018) | | 0.2792 | 2.24 | 2.24 | 0.0013578 |
| 1667 | 17.3720 | 17.0975 | | 0.0044 | | | (17.0889, 17.1061) | | 0.2745 | 2.20 | 2.20 | 0.0012423 |
| 1670 | 17.3720 | 17.0764 | | 0.0046 | | | (17.0673, 17.0855) | | 0.2956 | 2.37 | 2.37 | 0.0013729 |
| 1673 | 17.1080 | 16.8341 | | 0.0038 | | | (16.8266, 16.8417) | | 0.2739 | 2.19 | 2.19 | 0.0009474 |
| 1679 | 17.1169 | 16.8343 | | 0.0050 | | | (16.8245, 16.8440) | | 0.2826 | 2.26 | 2.27 | 0.0015877 |
| 1693 | 17.1080 | 16.8358 | | 0.0045 | | | (16.8269, 16.8447) | | 0.2723 | 2.18 | 2.18 | 0.0013234 |
| 1698 | 17.1169 | 16.8416 | | 0.0048 | | | (16.8323, 16.8509) | | 0.2753 | 2.21 | 2.21 | 0.0014549 |
| 1707 | 17.1169 | 16.8508 | | 0.0039 | | | (16.8431, 16.8585) | | 0.2661 | 2.13 | 2.13 | 0.0009989 |
| 1713 | 17.1169 | 16.8589 | | 0.0054 | | | (16.8483, 16.8694) | | 0.2580 | 2.07 | 2.07 | 0.0018579 |
| 1721 | 17.1169 | 16.8670 | | 0.0056 | | | (16.8560, 16.8781) | | 0.2499 | 2.00 | 2.00 | 0.0020233 |
| 1725 | 17.1257 | 16.8682 | | 0.0045 | | | (16.8593, 16.8771) | | 0.2576 | 2.06 | 2.06 | 0.0013162 |
| 1732 | 16.8618 | 17.1153 | | 0.0046 | | | (17.1061, 17.1244) | | -0.2535 | -2.03 | -2.03 | 0.0013857 |
| 1735 | 17.1257 | 16.8718 | | 0.0061 | | | (16.8599, 16.8837) | | 0.2539 | 2.04 | 2.04 | 0.0023632 |
| 1739 | 16.8618 | 17.1133 | | 0.0056 | | | (17.1022, 17.1243) | | -0.2515 | -2.02 | -2.02 | 0.0020352 |
| 1740 | 17.1169 | 16.8635 | | 0.0050 | | | (16.8538, 16.8733) | | 0.2534 | 2.03 | 2.03 | 0.0015994 |
| 1749 | 17.1169 | 16.8657 | | 0.0054 | | | (16.8552, 16.8762) | | 0.2512 | 2.01 | 2.01 | 0.0018396 |
| 1782 | 17.1080 | 16.8363 | | 0.0041 | | | (16.8282, 16.8445) | | 0.2717 | 2.18 | 2.18 | 0.0010972 |
| 1785 | 17.1169 | 16.8415 | | 0.0052 | | | (16.8313, 16.8518) | | 0.2754 | 2.21 | 2.21 | 0.0017517 |
| 1811 | 17.1080 | 16.8381 | | 0.0048 | | | (16.8287, 16.8474) | | 0.2700 | 2.16 | 2.16 | 0.0014682 |
| 1818 | 17.1169 | 16.8362 | | 0.0045 | | | (16.8273, 16.8450) | | 0.2807 | 2.25 | 2.25 | 0.0013132 |
| 1833 | 17.1257 | 16.8475 | | 0.0036 | | | (16.8404, 16.8546) | | 0.2783 | 2.23 | 2.23 | 0.0008457 |
| 1835 | 17.1257 | 16.8616 | | 0.0034 | | | (16.8549, 16.8684) | | 0.2641 | 2.12 | 2.12 | 0.0007612 |
| 1842 | 17.1257 | 16.8558 | | 0.0033 | | | (16.8493, 16.8623) | | 0.2699 | 2.16 | 2.16 | 0.0007004 |
| 1846 | 17.1257 | 16.8440 | | 0.0036 | | | (16.8370, 16.8511) | | 0.2817 | 2.26 | 2.26 | 0.0008350 |
| 1855 | 16.6067 | 16.8579 | | 0.0035 | | | (16.8510, 16.8648) | | -0.2512 | -2.01 | -2.01 | 0.0007894 |
| 1866 | 16.6067 | 16.8607 | | 0.0052 | | | (16.8506, 16.8709) | | -0.2540 | -2.04 | -2.04 | 0.0017160 |
| 1885 | 16.3427 | 16.6081 | | 0.0029 | | | (16.6024, 16.6138) | | -0.2654 | -2.13 | -2.13 | 0.0005417 |
| 1890 | 16.3516 | 16.6018 | | 0.0034 | | | (16.5951, 16.6084) | | -0.2502 | -2.00 | -2.00 | 0.0007317 |
| 1898 | 16.3516 | 16.6239 | | 0.0042 | | | (16.6156, 16.6321) | | -0.2723 | -2.18 | -2.18 | 0.0011393 |
| 1904 | 16.3516 | 16.6085 | | 0.0038 | | | (16.6011, 16.6159) | | -0.2569 | -2.06 | -2.06 | 0.0009108 |
| 1924 | 16.3604 | 16.6252 | | 0.0043 | | | (16.6168, 16.6337) | | -0.2648 | -2.12 | -2.12 | 0.0011791 |
| 1927 | 16.0965 | 16.6184 | | 0.0042 | | | (16.6103, 16.6266) | | -0.5219 | -4.18 | -4.19 | 0.0011048 |
| 1940 | 16.0965 | 16.3546 | | 0.0033 | | | (16.3482, 16.3611) | | -0.2581 | -2.07 | -2.07 | 0.0006898 |
| 1943 | 16.0965 | 16.3615 | | 0.0035 | | | (16.3545, 16.3684) | | -0.2650 | -2.12 | -2.12 | 0.0008028 |
| 1962 | 16.0965 | 16.3801 | | 0.0038 | | | (16.3725, 16.3876) | | -0.2836 | -2.27 | -2.27 | 0.0009389 |
| 1968 | 16.0965 | 16.3726 | | 0.0040 | | | (16.3649, 16.3804) | | -0.2762 | -2.21 | -2.21 | 0.0010012 |
| 1981 | 15.8414 | 16.1175 | | 0.0039 | | | (16.1099, 16.1251) | | -0.2761 | -2.21 | -2.21 | 0.0009555 |
| 1988 | 15.8414 | 16.1166 | | 0.0034 | | | (16.1101, 16.1232) | | -0.2753 | -2.20 | -2.21 | 0.0007256 |
| 2004 | 15.8414 | 16.1287 | | 0.0046 | | | (16.1198, 16.1377) | | -0.2873 | -2.30 | -2.30 | 0.0013357 |
| 2008 | 15.8414 | 16.1258 | | 0.0048 | | | (16.1165, 16.1352) | | -0.2844 | -2.28 | -2.28 | 0.0014569 |
| 2014 | 15.8414 | 16.1026 | | 0.0061 | | | (16.0907, 16.1145) | | -0.2612 | -2.09 | -2.09 | 0.0023635 |
| 2023 | 15.8502 | 16.1155 | | 0.0055 | | | (16.1048, 16.1262) | | -0.2653 | -2.13 | -2.13 | 0.0019156 |
| 2025 | 15.8414 | 16.1301 | | 0.0036 | | | (16.1230, 16.1371) | | -0.2887 | -2.31 | -2.31 | 0.0008246 |
| 2045 | 15.8502 | 16.1255 | | 0.0050 | | | (16.1157, 16.1352) | | -0.2752 | -2.21 | -2.21 | 0.0015762 |
| 2047 | 15.8502 | 16.1230 | | 0.0035 | | | (16.1161, 16.1299) | | -0.2728 | -2.18 | -2.19 | 0.0007871 |
| 2051 | 15.8502 | 16.1176 | | 0.0043 | | | (16.1092, 16.1260) | | -0.2674 | -2.14 | -2.14 | 0.0011715 |
| 2057 | 15.8502 | 16.1246 | | 0.0035 | | | (16.1178, 16.1315) | | -0.2744 | -2.20 | -2.20 | 0.0007814 |
| 2070 | 15.5863 | 15.8679 | | 0.0039 | | | (15.8602, 15.8755) | | -0.2816 | -2.26 | -2.26 | 0.0009805 |
| 2075 | 15.5863 | 15.8782 | | 0.0038 | | | (15.8708, 15.8856) | | -0.2919 | -2.34 | -2.34 | 0.0009168 |
| 2078 | 15.5863 | 15.8643 | | 0.0060 | | | (15.8525, 15.8760) | | -0.2780 | -2.23 | -2.23 | 0.0023015 |
| 2090 | 15.5863 | 15.8665 | | 0.0055 | | | (15.8558, 15.8772) | | -0.2802 | -2.25 | -2.25 | 0.0019201 |
| 2092 | 15.5863 | 15.8491 | | 0.0046 | | | (15.8402, 15.8581) | | -0.2628 | -2.11 | -2.11 | 0.0013424 |
| 2099 | 15.8414 | 16.1038 | | 0.0036 | | | (16.0968, 16.1109) | | -0.2624 | -2.10 | -2.10 | 0.0008289 |
| 2103 | 15.8414 | 16.1039 | | 0.0037 | | | (16.0967, 16.1112) | | -0.2626 | -2.10 | -2.10 | 0.0008702 |
| 2123 | 15.5863 | 15.8521 | | 0.0050 | | | (15.8423, 15.8618) | | -0.2658 | -2.13 | -2.13 | 0.0015934 |
| 2128 | 16.1053 | 15.8555 | | 0.0057 | | | (15.8443, 15.8667) | | 0.2498 | 2.00 | 2.00 | 0.0020830 |
| 2129 | 15.8502 | 16.1138 | | 0.0045 | | | (16.1050, 16.1226) | | -0.2636 | -2.11 | -2.11 | 0.0013045 |
| 2131 | 15.8502 | 16.1115 | | 0.0055 | | | (16.1007, 16.1223) | | -0.2613 | -2.09 | -2.09 | 0.0019484 |
| 2133 | 15.8502 | 16.1051 | | 0.0047 | | | (16.0958, 16.1143) | | -0.2548 | -2.04 | -2.04 | 0.0014313 |
| 2181 | 15.5951 | 15.8784 | | 0.0049 | | | (15.8689, 15.8880) | | -0.2833 | -2.27 | -2.27 | 0.0015276 |
| 2184 | 15.5951 | 15.8818 | | 0.0040 | | | (15.8739, 15.8896) | | -0.2866 | -2.30 | -2.30 | 0.0010268 |
| 2193 | 15.8502 | 16.1082 | | 0.0026 | | | (16.1030, 16.1133) | | -0.2580 | -2.07 | -2.07 | 0.0004448 |
| 2211 | 15.5863 | 15.8754 | | 0.0050 | | | (15.8655, 15.8853) | | -0.2891 | -2.32 | -2.32 | 0.0016308 |
| 2217 | 15.5863 | 15.8605 | | 0.0056 | | | (15.8496, 15.8714) | | -0.2742 | -2.20 | -2.20 | 0.0019866 |
| 2224 | 15.5863 | 15.8562 | | 0.0038 | | | (15.8487, 15.8637) | | -0.2699 | -2.16 | -2.16 | 0.0009345 |
| 2256 | 15.5863 | 15.8589 | | 0.0029 | | | (15.8532, 15.8645) | | -0.2726 | -2.18 | -2.18 | 0.0005285 |
| 2258 | 15.5863 | 15.8645 | | 0.0036 | | | (15.8574, 15.8717) | | -0.2783 | -2.23 | -2.23 | 0.0008472 |
| 2284 | 15.8591 | 16.1288 | | 0.0031 | | | (16.1227, 16.1350) | | -0.2698 | -2.16 | -2.16 | 0.0006250 |
| 2286 | 15.8591 | 16.1229 | | 0.0040 | | | (16.1152, 16.1307) | | -0.2638 | -2.11 | -2.11 | 0.0010053 |
| 2291 | 15.8591 | 16.1159 | | 0.0051 | | | (16.1060, 16.1259) | | -0.2568 | -2.06 | -2.06 | 0.0016590 |
| 2318 | 16.1142 | 15.8501 | | 0.0052 | | | (15.8400, 15.8602) | | 0.2641 | 2.12 | 2.12 | 0.0017017 |
| 2320 | 15.8502 | 16.1134 | | 0.0044 | | | (16.1048, 16.1220) | | -0.2632 | -2.11 | -2.11 | 0.0012430 |
| 2328 | 15.8502 | 16.1269 | | 0.0052 | | | (16.1168, 16.1371) | | -0.2767 | -2.22 | -2.22 | 0.0017124 |
| 2342 | 15.8502 | 16.1109 | | 0.0032 | | | (16.1046, 16.1171) | | -0.2606 | -2.09 | -2.09 | 0.0006442 |
| 2344 | 15.8502 | 16.1046 | | 0.0032 | | | (16.0983, 16.1109) | | -0.2544 | -2.04 | -2.04 | 0.0006677 |
| 2350 | 16.1053 | 15.8446 | | 0.0044 | | | (15.8361, 15.8532) | | 0.2607 | 2.09 | 2.09 | 0.0012182 |
| 2359 | 16.1053 | 15.8473 | | 0.0047 | | | (15.8382, 15.8564) | | 0.2580 | 2.07 | 2.07 | 0.0013873 |
| 2370 | 15.8414 | 16.1038 | | 0.0043 | | | (16.0954, 16.1122) | | -0.2624 | -2.10 | -2.10 | 0.0011780 |
| 2371 | 16.1053 | 15.8539 | | 0.0043 | | | (15.8454, 15.8623) | | 0.2515 | 2.01 | 2.02 | 0.0011855 |
| 2374 | 15.8502 | 16.1080 | | 0.0043 | | | (16.0996, 16.1164) | | -0.2578 | -2.07 | -2.07 | 0.0011665 |
| 2377 | 16.1053 | 15.8471 | | 0.0039 | | | (15.8395, 15.8547) | | 0.2583 | 2.07 | 2.07 | 0.0009676 |
| 2379 | 16.6155 | 16.0975 | | 0.0037 | | | (16.0903, 16.1047) | | 0.5180 | 4.15 | 4.16 | 0.0008662 |
| 2380 | 16.8706 | 16.5714 | | 0.0048 | | | (16.5620, 16.5807) | | 0.2993 | 2.40 | 2.40 | 0.0014616 |
| 2386 | 16.8706 | 16.5549 | | 0.0048 | | | (16.5455, 16.5643) | | 0.3157 | 2.53 | 2.53 | 0.0014824 |
| 2404 | 16.6155 | 16.3209 | | 0.0039 | | | (16.3133, 16.3286) | | 0.2946 | 2.36 | 2.36 | 0.0009720 |
| 2411 | 16.8706 | 16.3278 | | 0.0041 | | | (16.3198, 16.3358) | | 0.5428 | 4.35 | 4.36 | 0.0010603 |
| 2420 | 16.6067 | 16.3182 | | 0.0060 | | | (16.3066, 16.3299) | | 0.2885 | 2.31 | 2.31 | 0.0022733 |
| 2421 | 16.8706 | 16.5477 | | 0.0070 | | | (16.5340, 16.5614) | | 0.3230 | 2.59 | 2.59 | 0.0031289 |
| 2426 | 16.6155 | 16.3260 | | 0.0059 | | | (16.3144, 16.3377) | | 0.2895 | 2.32 | 2.32 | 0.0022677 |
| 2460 | 16.3693 | 16.0953 | | 0.0035 | | | (16.0885, 16.1020) | | 0.2740 | 2.19 | 2.20 | 0.0007675 |
| 2466 | 16.3693 | 16.0826 | | 0.0044 | | | (16.0740, 16.0911) | | 0.2867 | 2.30 | 2.30 | 0.0012160 |
| 2472 | 16.3693 | 16.1037 | | 0.0049 | | | (16.0940, 16.1134) | | 0.2656 | 2.13 | 2.13 | 0.0015558 |
| 2474 | 16.3693 | 16.1053 | | 0.0041 | | | (16.0971, 16.1134) | | 0.2640 | 2.12 | 2.12 | 0.0011038 |
| 2487 | 16.3693 | 16.1011 | | 0.0056 | | | (16.0901, 16.1121) | | 0.2682 | 2.15 | 2.15 | 0.0020285 |
| 2500 | 16.3693 | 16.1074 | | 0.0048 | | | (16.0980, 16.1168) | | 0.2619 | 2.10 | 2.10 | 0.0014623 |
| 2511 | 16.3693 | 16.0970 | | 0.0053 | | | (16.0866, 16.1073) | | 0.2723 | 2.18 | 2.18 | 0.0017900 |
| 2524 | 16.3693 | 16.1156 | | 0.0040 | | | (16.1077, 16.1235) | | 0.2537 | 2.03 | 2.03 | 0.0010436 |
| 2541 | 16.3693 | 16.1178 | | 0.0041 | | | (16.1097, 16.1258) | | 0.2515 | 2.01 | 2.02 | 0.0010781 |
| 2546 | 15.8502 | 16.1135 | | 0.0039 | | | (16.1059, 16.1210) | | -0.2632 | -2.11 | -2.11 | 0.0009556 |
| 2548 | 16.1142 | 15.8533 | | 0.0048 | | | (15.8439, 15.8626) | | 0.2609 | 2.09 | 2.09 | 0.0014613 |
| 2564 | 16.3693 | 16.1066 | | 0.0041 | | | (16.0985, 16.1147) | | 0.2627 | 2.10 | 2.10 | 0.0010904 |
| 2570 | 16.3693 | 16.0933 | | 0.0047 | | | (16.0841, 16.1026) | | 0.2759 | 2.21 | 2.21 | 0.0014221 |
| 2571 | 15.8502 | 16.3525 | | 0.0047 | | | (16.3434, 16.3616) | | -0.5023 | -4.02 | -4.03 | 0.0013948 |
| 2573 | 15.8502 | 16.1171 | | 0.0043 | | | (16.1087, 16.1256) | | -0.2669 | -2.14 | -2.14 | 0.0011779 |
| 2581 | 15.8502 | 16.1094 | | 0.0052 | | | (16.0991, 16.1196) | | -0.2591 | -2.08 | -2.08 | 0.0017413 |
| 2582 | 16.1142 | 15.8626 | | 0.0046 | | | (15.8534, 15.8717) | | 0.2516 | 2.02 | 2.02 | 0.0013848 |
| 2583 | 15.8502 | 16.1081 | | 0.0044 | | | (16.0994, 16.1168) | | -0.2578 | -2.07 | -2.07 | 0.0012683 |
| 2584 | 16.1142 | 15.8540 | | 0.0051 | | | (15.8440, 15.8641) | | 0.2601 | 2.08 | 2.09 | 0.0016964 |
| 2587 | 15.8502 | 16.1015 | | 0.0043 | | | (16.0930, 16.1100) | | -0.2512 | -2.01 | -2.01 | 0.0012083 |
| 2588 | 16.1142 | 15.8513 | | 0.0046 | | | (15.8423, 15.8603) | | 0.2629 | 2.11 | 2.11 | 0.0013576 |
| 2610 | 16.1053 | 15.8509 | | 0.0039 | | | (15.8433, 15.8585) | | 0.2544 | 2.04 | 2.04 | 0.0009615 |
| 2613 | 16.1142 | 15.8556 | | 0.0039 | | | (15.8480, 15.8631) | | 0.2586 | 2.07 | 2.07 | 0.0009557 |
| 2628 | 15.6040 | 15.8649 | | 0.0040 | | | (15.8570, 15.8728) | | -0.2609 | -2.09 | -2.09 | 0.0010376 |
| 2630 | 14.3373 | 15.6249 | | 0.0043 | | | (15.6165, 15.6333) | | -1.2876 | -10.32 | -10.43 | 0.0011896 |
| 2631 | 15.8679 | 14.4464 | | 0.0099 | | | (14.4271, 14.4658) | | 1.4215 | 11.42 | 11.58 | 0.0062597 |
| 2647 | 15.5951 | 15.8543 | | 0.0033 | | | (15.8479, 15.8607) | | -0.2592 | -2.08 | -2.08 | 0.0006826 |
| 2657 | 15.8591 | 15.5959 | | 0.0049 | | | (15.5863, 15.6055) | | 0.2632 | 2.11 | 2.11 | 0.0015261 |
| 2659 | 15.6040 | 15.8562 | | 0.0047 | | | (15.8469, 15.8655) | | -0.2522 | -2.02 | -2.02 | 0.0014391 |
| 2661 | 15.8591 | 15.5978 | | 0.0050 | | | (15.5880, 15.6076) | | 0.2613 | 2.09 | 2.09 | 0.0016112 |
| 2674 | 15.6040 | 15.8557 | | 0.0043 | | | (15.8473, 15.8641) | | -0.2517 | -2.02 | -2.02 | 0.0011865 |
| 2691 | 15.6040 | 15.8577 | | 0.0050 | | | (15.8479, 15.8674) | | -0.2537 | -2.03 | -2.03 | 0.0015781 |
| 2698 | 15.8591 | 15.5994 | | 0.0051 | | | (15.5895, 15.6094) | | 0.2596 | 2.08 | 2.08 | 0.0016607 |
| 2704 | 15.6040 | 15.8561 | | 0.0042 | | | (15.8478, 15.8643) | | -0.2521 | -2.02 | -2.02 | 0.0011321 |
| 2716 | 15.8591 | 15.6077 | | 0.0051 | | | (15.5976, 15.6177) | | 0.2514 | 2.01 | 2.02 | 0.0016835 |
| 2717 | 15.6040 | 15.8586 | | 0.0041 | | | (15.8504, 15.8667) | | -0.2546 | -2.04 | -2.04 | 0.0010974 |
| 2724 | 15.6040 | 15.8687 | | 0.0050 | | | (15.8590, 15.8785) | | -0.2648 | -2.12 | -2.12 | 0.0015754 |
| 2741 | 15.6040 | 15.8683 | | 0.0053 | | | (15.8579, 15.8787) | | -0.2643 | -2.12 | -2.12 | 0.0018052 |
| 2758 | 15.3489 | 15.6152 | | 0.0054 | | | (15.6047, 15.6257) | | -0.2663 | -2.13 | -2.14 | 0.0018372 |
| 2763 | 15.3489 | 15.6243 | | 0.0049 | | | (15.6147, 15.6339) | | -0.2754 | -2.21 | -2.21 | 0.0015438 |
| 2768 | 15.3489 | 15.6130 | | 0.0042 | | | (15.6048, 15.6212) | | -0.2641 | -2.12 | -2.12 | 0.0011317 |
| 2775 | 15.3489 | 15.6050 | | 0.0050 | | | (15.5952, 15.6149) | | -0.2562 | -2.05 | -2.05 | 0.0016270 |
| 2797 | 15.3489 | 15.6083 | | 0.0059 | | | (15.5968, 15.6198) | | -0.2594 | -2.08 | -2.08 | 0.0021945 |
| 2810 | 15.3489 | 15.6213 | | 0.0049 | | | (15.6117, 15.6309) | | -0.2724 | -2.18 | -2.18 | 0.0015399 |
| 2812 | 15.3489 | 15.6021 | | 0.0054 | | | (15.5915, 15.6127) | | -0.2532 | -2.03 | -2.03 | 0.0018597 |
| 2816 | 15.3489 | 15.6066 | | 0.0058 | | | (15.5953, 15.6179) | | -0.2577 | -2.07 | -2.07 | 0.0021215 |
| 2822 | 15.3489 | 15.6225 | | 0.0038 | | | (15.6150, 15.6300) | | -0.2736 | -2.19 | -2.19 | 0.0009464 |
| 2828 | 15.3489 | 15.6081 | | 0.0041 | | | (15.6001, 15.6161) | | -0.2592 | -2.08 | -2.08 | 0.0010633 |
| 2832 | 15.3489 | 15.6160 | | 0.0035 | | | (15.6091, 15.6229) | | -0.2671 | -2.14 | -2.14 | 0.0007921 |
| 2842 | 15.8679 | 15.6138 | | 0.0044 | | | (15.6052, 15.6224) | | 0.2541 | 2.04 | 2.04 | 0.0012311 |
| 2843 | 16.1230 | 15.8456 | | 0.0050 | | | (15.8359, 15.8554) | | 0.2774 | 2.22 | 2.22 | 0.0015908 |
| 2844 | 16.3781 | 16.0856 | | 0.0055 | | | (16.0748, 16.0963) | | 0.2926 | 2.34 | 2.35 | 0.0019142 |
| 2852 | 16.3693 | 16.0718 | | 0.0067 | | | (16.0586, 16.0850) | | 0.2975 | 2.39 | 2.39 | 0.0028915 |
| 2859 | 16.3693 | 16.0839 | | 0.0064 | | | (16.0715, 16.0964) | | 0.2854 | 2.29 | 2.29 | 0.0025928 |
| 2862 | 16.3693 | 16.0779 | | 0.0067 | | | (16.0648, 16.0910) | | 0.2914 | 2.34 | 2.34 | 0.0028744 |
| 2868 | 16.3693 | 16.0836 | | 0.0049 | | | (16.0741, 16.0931) | | 0.2857 | 2.29 | 2.29 | 0.0015119 |
| 2876 | 16.3693 | 16.0775 | | 0.0040 | | | (16.0696, 16.0853) | | 0.2918 | 2.34 | 2.34 | 0.0010341 |
| 2877 | 15.8502 | 16.3168 | | 0.0058 | | | (16.3055, 16.3281) | | -0.4665 | -3.74 | -3.74 | 0.0021385 |
| 2878 | 16.3693 | 15.8288 | | 0.0047 | | | (15.8195, 15.8380) | | 0.5405 | 4.33 | 4.34 | 0.0014310 |
| 2882 | 16.3693 | 16.0846 | | 0.0043 | | | (16.0761, 16.0932) | | 0.2846 | 2.28 | 2.28 | 0.0012120 |
| 2900 | 16.1230 | 15.8342 | | 0.0040 | | | (15.8265, 15.8420) | | 0.2888 | 2.31 | 2.31 | 0.0010059 |
| 2908 | 16.1142 | 15.8266 | | 0.0043 | | | (15.8182, 15.8350) | | 0.2876 | 2.30 | 2.30 | 0.0011692 |
| 2927 | 16.1230 | 15.8331 | | 0.0052 | | | (15.8230, 15.8432) | | 0.2899 | 2.32 | 2.32 | 0.0017010 |
| 2930 | 16.1230 | 15.6043 | | 0.0046 | | | (15.5953, 15.6132) | | 0.5188 | 4.16 | 4.16 | 0.0013406 |
| 2936 | 16.1230 | 15.8498 | | 0.0043 | | | (15.8414, 15.8583) | | 0.2732 | 2.19 | 2.19 | 0.0011904 |
| 2937 | 15.6040 | 16.0908 | | 0.0053 | | | (16.0804, 16.1011) | | -0.4868 | -3.90 | -3.91 | 0.0017908 |
| 2942 | 15.8679 | 15.6158 | | 0.0050 | | | (15.6060, 15.6257) | | 0.2521 | 2.02 | 2.02 | 0.0016257 |
| 2976 | 16.1230 | 15.8630 | | 0.0037 | | | (15.8556, 15.8703) | | 0.2601 | 2.08 | 2.08 | 0.0008943 |
| 2983 | 16.1230 | 15.8529 | | 0.0048 | | | (15.8435, 15.8623) | | 0.2701 | 2.16 | 2.17 | 0.0014726 |
| 2989 | 16.1230 | 15.8539 | | 0.0044 | | | (15.8453, 15.8624) | | 0.2692 | 2.16 | 2.16 | 0.0012135 |
| 2996 | 16.1230 | 15.8437 | | 0.0041 | | | (15.8357, 15.8518) | | 0.2793 | 2.24 | 2.24 | 0.0010845 |
| 3009 | 16.1230 | 15.8297 | | 0.0060 | | | (15.8180, 15.8414) | | 0.2933 | 2.35 | 2.35 | 0.0022708 |
| 3013 | 15.8679 | 15.5982 | | 0.0060 | | | (15.5865, 15.6099) | | 0.2697 | 2.16 | 2.16 | 0.0022780 |
| 3016 | 15.8591 | 15.6095 | | 0.0066 | | | (15.5965, 15.6225) | | 0.2496 | 2.00 | 2.00 | 0.0028095 |
| 3028 | 15.8679 | 15.6057 | | 0.0041 | | | (15.5977, 15.6137) | | 0.2623 | 2.10 | 2.10 | 0.0010733 |
| 3038 | 15.8679 | 15.5966 | | 0.0049 | | | (15.5870, 15.6063) | | 0.2713 | 2.17 | 2.17 | 0.0015453 |
| 3040 | 15.8591 | 15.5859 | | 0.0051 | | | (15.5758, 15.5959) | | 0.2732 | 2.19 | 2.19 | 0.0016717 |
| 3042 | 15.8679 | 15.5936 | | 0.0055 | | | (15.5829, 15.6043) | | 0.2744 | 2.20 | 2.20 | 0.0019053 |
| 3044 | 15.8679 | 15.5945 | | 0.0049 | | | (15.5849, 15.6041) | | 0.2734 | 2.19 | 2.19 | 0.0015324 |
| 3051 | 15.8679 | 15.6032 | | 0.0038 | | | (15.5958, 15.6107) | | 0.2647 | 2.12 | 2.12 | 0.0009295 |
| 3060 | 15.8679 | 15.6058 | | 0.0030 | | | (15.5999, 15.6117) | | 0.2621 | 2.10 | 2.10 | 0.0005844 |
| 3062 | 15.8679 | 15.5978 | | 0.0031 | | | (15.5918, 15.6039) | | 0.2701 | 2.16 | 2.16 | 0.0006134 |
| 3065 | 15.8679 | 15.5913 | | 0.0034 | | | (15.5847, 15.5979) | | 0.2767 | 2.22 | 2.22 | 0.0007254 |
| 3079 | 15.8679 | 15.5789 | | 0.0045 | | | (15.5701, 15.5877) | | 0.2890 | 2.32 | 2.32 | 0.0012850 |
| 3084 | 15.8679 | 15.5778 | | 0.0052 | | | (15.5677, 15.5880) | | 0.2901 | 2.32 | 2.33 | 0.0017284 |
| 3091 | 15.8679 | 15.5812 | | 0.0050 | | | (15.5714, 15.5910) | | 0.2868 | 2.30 | 2.30 | 0.0015986 |
| 3096 | 15.8679 | 15.5937 | | 0.0051 | | | (15.5837, 15.6037) | | 0.2742 | 2.20 | 2.20 | 0.0016728 |
| 3100 | 15.8679 | 15.5905 | | 0.0042 | | | (15.5823, 15.5987) | | 0.2775 | 2.22 | 2.22 | 0.0011210 |
| 3103 | 15.8679 | 15.5924 | | 0.0038 | | | (15.5850, 15.5997) | | 0.2755 | 2.21 | 2.21 | 0.0009025 |
| 3109 | 15.8679 | 15.5893 | | 0.0030 | | | (15.5833, 15.5952) | | 0.2787 | 2.23 | 2.23 | 0.0005900 |
| 3114 | 15.8679 | 15.5859 | | 0.0038 | | | (15.5785, 15.5932) | | 0.2821 | 2.26 | 2.26 | 0.0009063 |
| 3120 | 15.8679 | 15.5712 | | 0.0043 | | | (15.5627, 15.5797) | | 0.2968 | 2.38 | 2.38 | 0.0012107 |
| 3126 | 15.8679 | 15.5714 | | 0.0045 | | | (15.5627, 15.5801) | | 0.2965 | 2.38 | 2.38 | 0.0012713 |
| 3133 | 15.8679 | 15.5784 | | 0.0032 | | | (15.5721, 15.5847) | | 0.2895 | 2.32 | 2.32 | 0.0006621 |
| 3148 | 15.6040 | 15.3209 | | 0.0044 | | | (15.3123, 15.3295) | | 0.2831 | 2.27 | 2.27 | 0.0012421 |
| 3181 | 15.8679 | 15.5805 | | 0.0047 | | | (15.5713, 15.5897) | | 0.2875 | 2.30 | 2.30 | 0.0014109 |
| 3216 | 15.8679 | 15.5733 | | 0.0040 | | | (15.5655, 15.5811) | | 0.2946 | 2.36 | 2.36 | 0.0010051 |
| 3229 | 15.8679 | 15.5826 | | 0.0037 | | | (15.5754, 15.5898) | | 0.2853 | 2.29 | 2.29 | 0.0008644 |
| 3231 | 15.8679 | 15.5732 | | 0.0039 | | | (15.5656, 15.5808) | | 0.2947 | 2.36 | 2.36 | 0.0009712 |
| 3233 | 15.8679 | 15.5794 | | 0.0046 | | | (15.5703, 15.5885) | | 0.2886 | 2.31 | 2.31 | 0.0013763 |
| 3243 | 15.8679 | 15.5853 | | 0.0038 | | | (15.5778, 15.5929) | | 0.2826 | 2.26 | 2.26 | 0.0009444 |
| 3274 | 15.6217 | 15.3638 | | 0.0053 | | | (15.3534, 15.3743) | | 0.2579 | 2.07 | 2.07 | 0.0018196 |
| 3287 | 15.3577 | 15.6096 | | 0.0039 | | | (15.6019, 15.6173) | | -0.2519 | -2.02 | -2.02 | 0.0009950 |
| 3288 | 15.6217 | 15.3692 | | 0.0053 | | | (15.3587, 15.3797) | | 0.2525 | 2.02 | 2.02 | 0.0018318 |
| 3289 | 15.3577 | 15.6109 | | 0.0040 | | | (15.6031, 15.6186) | | -0.2532 | -2.03 | -2.03 | 0.0010042 |
| 3293 | 15.6217 | 15.3628 | | 0.0046 | | | (15.3538, 15.3718) | | 0.2589 | 2.07 | 2.07 | 0.0013457 |
| 3302 | 15.1115 | 15.3726 | | 0.0056 | | | (15.3616, 15.3835) | | -0.2611 | -2.09 | -2.09 | 0.0020068 |
| 3305 | 15.1026 | 15.3588 | | 0.0027 | | | (15.3534, 15.3641) | | -0.2561 | -2.05 | -2.05 | 0.0004799 |
| 3327 | 14.8564 | 15.1298 | | 0.0039 | | | (15.1221, 15.1374) | | -0.2734 | -2.19 | -2.19 | 0.0009758 |
| 3332 | 14.8564 | 15.1272 | | 0.0032 | | | (15.1210, 15.1334) | | -0.2708 | -2.17 | -2.17 | 0.0006384 |
| 3338 | 14.8475 | 15.1057 | | 0.0033 | | | (15.0993, 15.1122) | | -0.2582 | -2.07 | -2.07 | 0.0006934 |
| 3344 | 14.8564 | 15.1194 | | 0.0039 | | | (15.1119, 15.1270) | | -0.2631 | -2.11 | -2.11 | 0.0009571 |
| 3348 | 14.5924 | 15.1146 | | 0.0037 | | | (15.1072, 15.1219) | | -0.5222 | -4.18 | -4.19 | 0.0008994 |
| 3351 | 14.5924 | 14.8614 | | 0.0035 | | | (14.8546, 14.8683) | | -0.2690 | -2.15 | -2.16 | 0.0007884 |
| 3362 | 14.5924 | 14.8690 | | 0.0031 | | | (14.8629, 14.8750) | | -0.2766 | -2.21 | -2.22 | 0.0006119 |
| 3370 | 14.6013 | 14.8746 | | 0.0035 | | | (14.8677, 14.8814) | | -0.2733 | -2.19 | -2.19 | 0.0007796 |
| 3385 | 14.6013 | 14.8703 | | 0.0033 | | | (14.8640, 14.8767) | | -0.2691 | -2.16 | -2.16 | 0.0006795 |
| 3393 | 14.6013 | 14.8873 | | 0.0034 | | | (14.8805, 14.8940) | | -0.2860 | -2.29 | -2.29 | 0.0007597 |
| 3403 | 14.6013 | 14.8744 | | 0.0031 | | | (14.8682, 14.8805) | | -0.2731 | -2.19 | -2.19 | 0.0006339 |
| 3405 | 14.6013 | 14.8758 | | 0.0035 | | | (14.8690, 14.8826) | | -0.2745 | -2.20 | -2.20 | 0.0007721 |
| 3406 | 14.3373 | 14.6320 | | 0.0036 | | | (14.6249, 14.6390) | | -0.2947 | -2.36 | -2.36 | 0.0008348 |
| 3425 | 14.3373 | 14.6212 | | 0.0048 | | | (14.6118, 14.6307) | | -0.2839 | -2.27 | -2.28 | 0.0014801 |
| 3445 | 14.3462 | 14.6129 | | 0.0039 | | | (14.6053, 14.6205) | | -0.2667 | -2.14 | -2.14 | 0.0009552 |
| 3483 | 14.0911 | 14.3878 | | 0.0050 | | | (14.3781, 14.3975) | | -0.2968 | -2.38 | -2.38 | 0.0015776 |
| 3486 | 14.0911 | 14.3848 | | 0.0049 | | | (14.3752, 14.3943) | | -0.2937 | -2.35 | -2.35 | 0.0015140 |
| 3492 | 14.0911 | 14.3873 | | 0.0048 | | | (14.3778, 14.3967) | | -0.2962 | -2.37 | -2.37 | 0.0015021 |
| 3493 | 14.6101 | 14.1401 | | 0.0063 | | | (14.1278, 14.1524) | | 0.4700 | 3.77 | 3.77 | 0.0025343 |
| 3495 | 14.3550 | 14.6369 | | 0.0043 | | | (14.6284, 14.6454) | | -0.2819 | -2.26 | -2.26 | 0.0012042 |
| 3499 | 14.0911 | 14.3898 | | 0.0055 | | | (14.3790, 14.4006) | | -0.2987 | -2.39 | -2.40 | 0.0019377 |
| 3503 | 14.0911 | 14.3812 | | 0.0053 | | | (14.3708, 14.3916) | | -0.2901 | -2.32 | -2.33 | 0.0017924 |
| 3506 | 14.0911 | 14.3933 | | 0.0050 | | | (14.3835, 14.4031) | | -0.3022 | -2.42 | -2.42 | 0.0016027 |
| 3511 | 14.0911 | 14.3760 | | 0.0043 | | | (14.3676, 14.3843) | | -0.2849 | -2.28 | -2.28 | 0.0011619 |
| 3514 | 14.0911 | 14.3958 | | 0.0042 | | | (14.3875, 14.4041) | | -0.3047 | -2.44 | -2.44 | 0.0011412 |
| 3519 | 14.3550 | 14.6392 | | 0.0038 | | | (14.6318, 14.6466) | | -0.2842 | -2.28 | -2.28 | 0.0009123 |
| 3523 | 14.0911 | 14.3867 | | 0.0047 | | | (14.3775, 14.3960) | | -0.2957 | -2.37 | -2.37 | 0.0014192 |
| 3558 | 14.3550 | 14.6288 | | 0.0034 | | | (14.6223, 14.6354) | | -0.2738 | -2.19 | -2.19 | 0.0007254 |
| 3564 | 14.3462 | 14.6300 | | 0.0034 | | | (14.6234, 14.6367) | | -0.2839 | -2.27 | -2.27 | 0.0007410 |
| 3567 | 14.3550 | 14.6314 | | 0.0034 | | | (14.6247, 14.6381) | | -0.2764 | -2.21 | -2.21 | 0.0007446 |
| 3569 | 14.0911 | 14.3910 | | 0.0048 | | | (14.3816, 14.4003) | | -0.2999 | -2.40 | -2.40 | 0.0014523 |
| 3581 | 14.0911 | 14.3709 | | 0.0036 | | | (14.3638, 14.3780) | | -0.2798 | -2.24 | -2.24 | 0.0008391 |
| 3584 | 14.0911 | 14.3756 | | 0.0039 | | | (14.3678, 14.3833) | | -0.2845 | -2.28 | -2.28 | 0.0009906 |
| 3593 | 14.0911 | 14.3724 | | 0.0039 | | | (14.3647, 14.3802) | | -0.2814 | -2.25 | -2.25 | 0.0009987 |
| 3613 | 14.3550 | 14.6296 | | 0.0051 | | | (14.6196, 14.6396) | | -0.2746 | -2.20 | -2.20 | 0.0016743 |
| 3616 | 14.3550 | 14.6286 | | 0.0063 | | | (14.6162, 14.6409) | | -0.2736 | -2.19 | -2.19 | 0.0025510 |
| 3620 | 15.1203 | 14.8647 | | 0.0054 | | | (14.8540, 14.8754) | | 0.2556 | 2.05 | 2.05 | 0.0018928 |
| 3626 | 14.8652 | 15.1251 | | 0.0048 | | | (15.1157, 15.1345) | | -0.2598 | -2.08 | -2.08 | 0.0014730 |
| 3631 | 14.8564 | 15.1195 | | 0.0035 | | | (15.1127, 15.1264) | | -0.2632 | -2.11 | -2.11 | 0.0007838 |
| 3632 | 15.1203 | 14.8679 | | 0.0034 | | | (14.8612, 14.8746) | | 0.2524 | 2.02 | 2.02 | 0.0007517 |
| 3662 | 14.8564 | 14.6033 | | 0.0042 | | | (14.5951, 14.6115) | | 0.2531 | 2.03 | 2.03 | 0.0011179 |
| 3665 | 14.8564 | 14.5946 | | 0.0034 | | | (14.5879, 14.6012) | | 0.2618 | 2.10 | 2.10 | 0.0007386 |
| 3701 | 14.3550 | 14.6194 | | 0.0040 | | | (14.6115, 14.6273) | | -0.2643 | -2.12 | -2.12 | 0.0010418 |
| 3717 | 14.3462 | 14.6102 | | 0.0047 | | | (14.6008, 14.6195) | | -0.2640 | -2.12 | -2.12 | 0.0014446 |
| 3722 | 14.3462 | 14.6097 | | 0.0041 | | | (14.6017, 14.6177) | | -0.2635 | -2.11 | -2.11 | 0.0010664 |
| 3736 | 14.0911 | 14.3455 | | 0.0038 | | | (14.3381, 14.3529) | | -0.2544 | -2.04 | -2.04 | 0.0009065 |
| 3737 | 14.6101 | 14.1190 | | 0.0051 | | | (14.1090, 14.1289) | | 0.4912 | 3.94 | 3.94 | 0.0016354 |
| 3738 | 14.3462 | 14.6013 | | 0.0042 | | | (14.5931, 14.6095) | | -0.2551 | -2.04 | -2.04 | 0.0011240 |
| 3740 | 14.0911 | 14.3585 | | 0.0041 | | | (14.3505, 14.3666) | | -0.2675 | -2.14 | -2.14 | 0.0010851 |
| 3747 | 14.0911 | 14.3626 | | 0.0043 | | | (14.3542, 14.3710) | | -0.2716 | -2.18 | -2.18 | 0.0011825 |
| 3754 | 14.0911 | 14.3536 | | 0.0042 | | | (14.3454, 14.3619) | | -0.2626 | -2.10 | -2.10 | 0.0011279 |
| 3765 | 14.0999 | 14.3610 | | 0.0051 | | | (14.3509, 14.3711) | | -0.2611 | -2.09 | -2.09 | 0.0016880 |
| 3769 | 14.0911 | 14.3466 | | 0.0051 | | | (14.3367, 14.3565) | | -0.2555 | -2.05 | -2.05 | 0.0016380 |
| 3793 | 14.0911 | 14.3562 | | 0.0042 | | | (14.3480, 14.3645) | | -0.2652 | -2.12 | -2.12 | 0.0011393 |
| 3801 | 14.0911 | 14.3512 | | 0.0036 | | | (14.3441, 14.3582) | | -0.2601 | -2.08 | -2.08 | 0.0008250 |
| 3804 | 14.0911 | 14.3541 | | 0.0038 | | | (14.3467, 14.3615) | | -0.2630 | -2.11 | -2.11 | 0.0009135 |
| 3806 | 14.3550 | 14.0925 | | 0.0047 | | | (14.0833, 14.1016) | | 0.2625 | 2.10 | 2.10 | 0.0013887 |
| 3810 | 14.0911 | 14.3526 | | 0.0045 | | | (14.3437, 14.3615) | | -0.2616 | -2.10 | -2.10 | 0.0013172 |
| 3818 | 14.3550 | 14.1018 | | 0.0036 | | | (14.0948, 14.1087) | | 0.2533 | 2.03 | 2.03 | 0.0008092 |
| 3829 | 14.3550 | 14.1053 | | 0.0038 | | | (14.0978, 14.1128) | | 0.2497 | 2.00 | 2.00 | 0.0009416 |
| 3837 | 14.0911 | 14.3516 | | 0.0033 | | | (14.3452, 14.3580) | | -0.2605 | -2.09 | -2.09 | 0.0006899 |
| 3841 | 14.0999 | 14.3593 | | 0.0042 | | | (14.3510, 14.3676) | | -0.2594 | -2.08 | -2.08 | 0.0011444 |
| 3842 | 13.8360 | 14.1184 | | 0.0044 | | | (14.1097, 14.1271) | | -0.2824 | -2.26 | -2.26 | 0.0012649 |
| 3843 | 14.3550 | 13.8691 | | 0.0049 | | | (13.8595, 13.8788) | | 0.4859 | 3.89 | 3.90 | 0.0015603 |
| 3865 | 14.0911 | 14.3649 | | 0.0043 | | | (14.3566, 14.3733) | | -0.2739 | -2.19 | -2.20 | 0.0011755 |
| 3868 | 13.8360 | 14.3576 | | 0.0045 | | | (14.3487, 14.3664) | | -0.5216 | -4.18 | -4.19 | 0.0012996 |
| 3870 | 13.8360 | 14.1140 | | 0.0045 | | | (14.1052, 14.1228) | | -0.2781 | -2.23 | -2.23 | 0.0012889 |
| 3876 | 13.8360 | 14.1046 | | 0.0043 | | | (14.0961, 14.1130) | | -0.2686 | -2.15 | -2.15 | 0.0011821 |
| 3877 | 14.3550 | 13.8623 | | 0.0053 | | | (13.8520, 13.8726) | | 0.4927 | 3.95 | 3.95 | 0.0017812 |
| 3896 | 13.8360 | 14.1097 | | 0.0042 | | | (14.1014, 14.1180) | | -0.2737 | -2.19 | -2.19 | 0.0011532 |
| 3902 | 14.3550 | 14.0984 | | 0.0045 | | | (14.0895, 14.1073) | | 0.2566 | 2.06 | 2.06 | 0.0013237 |
| 3903 | 14.0911 | 14.3409 | | 0.0050 | | | (14.3310, 14.3508) | | -0.2499 | -2.00 | -2.00 | 0.0016299 |
| 3947 | 13.8448 | 14.1049 | | 0.0052 | | | (14.0947, 14.1151) | | -0.2601 | -2.08 | -2.09 | 0.0017435 |
| 3959 | 13.8448 | 14.1101 | | 0.0040 | | | (14.1024, 14.1179) | | -0.2653 | -2.13 | -2.13 | 0.0010032 |
| 3963 | 13.8448 | 14.1177 | | 0.0046 | | | (14.1086, 14.1268) | | -0.2729 | -2.19 | -2.19 | 0.0013798 |
| 3969 | 13.8448 | 14.1244 | | 0.0044 | | | (14.1158, 14.1331) | | -0.2796 | -2.24 | -2.24 | 0.0012606 |
| 3973 | 13.8448 | 14.1254 | | 0.0048 | | | (14.1160, 14.1348) | | -0.2806 | -2.25 | -2.25 | 0.0014686 |
| 3977 | 13.8448 | 14.1109 | | 0.0052 | | | (14.1008, 14.1210) | | -0.2661 | -2.13 | -2.13 | 0.0017012 |
| 3988 | 14.3550 | 14.0958 | | 0.0042 | | | (14.0875, 14.1040) | | 0.2593 | 2.08 | 2.08 | 0.0011369 |
| 4000 | 14.3550 | 14.1005 | | 0.0045 | | | (14.0917, 14.1094) | | 0.2545 | 2.04 | 2.04 | 0.0013038 |
| 4008 | 13.8360 | 14.0984 | | 0.0044 | | | (14.0898, 14.1070) | | -0.2624 | -2.10 | -2.10 | 0.0012259 |
| 4012 | 13.8360 | 14.0995 | | 0.0045 | | | (14.0907, 14.1082) | | -0.2635 | -2.11 | -2.11 | 0.0012779 |
| 4029 | 13.8448 | 14.1049 | | 0.0038 | | | (14.0974, 14.1123) | | -0.2600 | -2.08 | -2.08 | 0.0009297 |
| 4040 | 14.1088 | 13.8540 | | 0.0046 | | | (13.8449, 13.8630) | | 0.2548 | 2.04 | 2.04 | 0.0013574 |
| 4043 | 13.8448 | 14.1033 | | 0.0046 | | | (14.0941, 14.1124) | | -0.2584 | -2.07 | -2.07 | 0.0013836 |
| 4049 | 13.8448 | 14.1015 | | 0.0044 | | | (14.0930, 14.1100) | | -0.2567 | -2.06 | -2.06 | 0.0012132 |
| 4052 | 13.8448 | 14.0991 | | 0.0046 | | | (14.0900, 14.1082) | | -0.2543 | -2.04 | -2.04 | 0.0013810 |
| 4083 | 14.0999 | 13.8498 | | 0.0046 | | | (13.8408, 13.8588) | | 0.2501 | 2.00 | 2.00 | 0.0013374 |
| 4103 | 14.0999 | 13.8306 | | 0.0042 | | | (13.8223, 13.8389) | | 0.2693 | 2.16 | 2.16 | 0.0011390 |
| 4134 | 14.0999 | 13.8461 | | 0.0048 | | | (13.8367, 13.8554) | | 0.2538 | 2.03 | 2.03 | 0.0014583 |
| 4143 | 14.0999 | 13.8486 | | 0.0036 | | | (13.8415, 13.8558) | | 0.2513 | 2.01 | 2.01 | 0.0008528 |
| 4150 | 14.1088 | 13.8459 | | 0.0040 | | | (13.8381, 13.8537) | | 0.2628 | 2.11 | 2.11 | 0.0010096 |
| 4155 | 13.8448 | 14.1029 | | 0.0044 | | | (14.0944, 14.1115) | | -0.2581 | -2.07 | -2.07 | 0.0012140 |
| 4158 | 13.8448 | 14.0986 | | 0.0035 | | | (14.0917, 14.1055) | | -0.2538 | -2.03 | -2.03 | 0.0007933 |
| 4159 | 14.1088 | 13.8490 | | 0.0036 | | | (13.8418, 13.8561) | | 0.2598 | 2.08 | 2.08 | 0.0008539 |
| 4161 | 13.8448 | 14.1029 | | 0.0038 | | | (14.0954, 14.1104) | | -0.2581 | -2.07 | -2.07 | 0.0009348 |
| 4172 | 13.8537 | 14.1087 | | 0.0040 | | | (14.1008, 14.1167) | | -0.2551 | -2.04 | -2.04 | 0.0010507 |
| 4176 | 13.8537 | 14.1125 | | 0.0041 | | | (14.1045, 14.1205) | | -0.2588 | -2.07 | -2.07 | 0.0010734 |
| 4182 | 13.8448 | 14.1060 | | 0.0038 | | | (14.0986, 14.1135) | | -0.2612 | -2.09 | -2.09 | 0.0009221 |
| 4184 | 13.8448 | 14.1218 | | 0.0054 | | | (14.1113, 14.1322) | | -0.2770 | -2.22 | -2.22 | 0.0018348 |
| 4198 | 13.8448 | 14.0989 | | 0.0042 | | | (14.0906, 14.1071) | | -0.2541 | -2.04 | -2.04 | 0.0011362 |
| 4216 | 13.5809 | 13.8504 | | 0.0042 | | | (13.8421, 13.8586) | | -0.2695 | -2.16 | -2.16 | 0.0011399 |
| 4264 | 13.5897 | 13.8453 | | 0.0043 | | | (13.8369, 13.8536) | | -0.2556 | -2.05 | -2.05 | 0.0011596 |
| 4266 | 13.8537 | 13.6025 | | 0.0043 | | | (13.5940, 13.6109) | | 0.2512 | 2.01 | 2.01 | 0.0011909 |
| 4267 | 13.5897 | 13.8481 | | 0.0042 | | | (13.8398, 13.8563) | | -0.2584 | -2.07 | -2.07 | 0.0011397 |
| 4272 | 13.5897 | 13.8442 | | 0.0038 | | | (13.8367, 13.8517) | | -0.2545 | -2.04 | -2.04 | 0.0009306 |
| 4274 | 13.5897 | 13.8500 | | 0.0039 | | | (13.8424, 13.8576) | | -0.2603 | -2.09 | -2.09 | 0.0009604 |
| 4280 | 13.5897 | 13.8441 | | 0.0037 | | | (13.8368, 13.8514) | | -0.2544 | -2.04 | -2.04 | 0.0008892 |
| 4289 | 14.1088 | 13.6040 | | 0.0044 | | | (13.5955, 13.6126) | | 0.5047 | 4.04 | 4.05 | 0.0012156 |
| 4294 | 13.5897 | 13.8486 | | 0.0038 | | | (13.8411, 13.8560) | | -0.2589 | -2.07 | -2.07 | 0.0009235 |
| 4312 | 13.5986 | 13.8599 | | 0.0039 | | | (13.8523, 13.8675) | | -0.2613 | -2.09 | -2.09 | 0.0009717 |
| 4314 | 13.5986 | 13.8522 | | 0.0038 | | | (13.8448, 13.8596) | | -0.2537 | -2.03 | -2.03 | 0.0009123 |
| 4320 | 13.5986 | 13.8619 | | 0.0044 | | | (13.8532, 13.8707) | | -0.2634 | -2.11 | -2.11 | 0.0012667 |
| 4325 | 13.5986 | 13.8756 | | 0.0045 | | | (13.8669, 13.8843) | | -0.2770 | -2.22 | -2.22 | 0.0012712 |
| 4338 | 14.1088 | 13.8564 | | 0.0038 | | | (13.8488, 13.8639) | | 0.2524 | 2.02 | 2.02 | 0.0009420 |
| 4343 | 13.5897 | 13.8628 | | 0.0040 | | | (13.8550, 13.8706) | | -0.2731 | -2.19 | -2.19 | 0.0010062 |
| 4357 | 13.5897 | 13.8630 | | 0.0044 | | | (13.8544, 13.8717) | | -0.2733 | -2.19 | -2.19 | 0.0012387 |
| 4363 | 13.5897 | 13.8645 | | 0.0038 | | | (13.8571, 13.8718) | | -0.2748 | -2.20 | -2.20 | 0.0009093 |
| 4378 | 13.5986 | 13.8523 | | 0.0038 | | | (13.8449, 13.8597) | | -0.2538 | -2.03 | -2.03 | 0.0009100 |
| 4388 | 13.5986 | 13.8530 | | 0.0037 | | | (13.8459, 13.8602) | | -0.2545 | -2.04 | -2.04 | 0.0008562 |
| 4399 | 13.5897 | 13.8424 | | 0.0042 | | | (13.8343, 13.8506) | | -0.2527 | -2.02 | -2.03 | 0.0011201 |
| 4406 | 13.8537 | 13.5831 | | 0.0046 | | | (13.5741, 13.5921) | | 0.2706 | 2.17 | 2.17 | 0.0013624 |
| 4411 | 13.8537 | 13.5820 | | 0.0048 | | | (13.5726, 13.5915) | | 0.2716 | 2.18 | 2.18 | 0.0014977 |
| 4414 | 13.8537 | 13.5920 | | 0.0047 | | | (13.5828, 13.6012) | | 0.2617 | 2.10 | 2.10 | 0.0014065 |
| 4417 | 13.8537 | 13.5671 | | 0.0054 | | | (13.5566, 13.5776) | | 0.2865 | 2.30 | 2.30 | 0.0018449 |
| 4419 | 13.8537 | 13.5957 | | 0.0041 | | | (13.5877, 13.6037) | | 0.2580 | 2.07 | 2.07 | 0.0010628 |
| 4434 | 13.8537 | 13.5918 | | 0.0044 | | | (13.5831, 13.6005) | | 0.2619 | 2.10 | 2.10 | 0.0012554 |
| 4441 | 13.8537 | 13.5794 | | 0.0049 | | | (13.5698, 13.5890) | | 0.2743 | 2.20 | 2.20 | 0.0015251 |
| 4443 | 13.8537 | 13.5865 | | 0.0050 | | | (13.5768, 13.5963) | | 0.2671 | 2.14 | 2.14 | 0.0015805 |
| 4465 | 13.8537 | 13.5961 | | 0.0047 | | | (13.5869, 13.6054) | | 0.2575 | 2.06 | 2.06 | 0.0014249 |
| 4467 | 13.8537 | 13.5840 | | 0.0047 | | | (13.5748, 13.5932) | | 0.2697 | 2.16 | 2.16 | 0.0014065 |
| 4470 | 13.8537 | 13.5863 | | 0.0048 | | | (13.5769, 13.5958) | | 0.2673 | 2.14 | 2.14 | 0.0014830 |
| 4473 | 13.8537 | 13.5778 | | 0.0049 | | | (13.5682, 13.5874) | | 0.2758 | 2.21 | 2.21 | 0.0015384 |
| 4477 | 13.8537 | 13.5975 | | 0.0041 | | | (13.5896, 13.6055) | | 0.2561 | 2.05 | 2.05 | 0.0010518 |
| 4489 | 13.8537 | 13.5978 | | 0.0039 | | | (13.5901, 13.6055) | | 0.2559 | 2.05 | 2.05 | 0.0009889 |
| 4492 | 14.0999 | 13.8261 | | 0.0059 | | | (13.8145, 13.8377) | | 0.2738 | 2.19 | 2.20 | 0.0022523 |
| 4503 | 14.3639 | 14.0749 | | 0.0049 | | | (14.0653, 14.0845) | | 0.2889 | 2.32 | 2.32 | 0.0015366 |
| 4506 | 14.3639 | 14.0646 | | 0.0053 | | | (14.0542, 14.0751) | | 0.2992 | 2.40 | 2.40 | 0.0018164 |
| 4513 | 14.1088 | 13.8235 | | 0.0043 | | | (13.8151, 13.8320) | | 0.2852 | 2.29 | 2.29 | 0.0011953 |
| 4517 | 14.1088 | 13.8308 | | 0.0044 | | | (13.8221, 13.8395) | | 0.2780 | 2.23 | 2.23 | 0.0012610 |
| 4526 | 14.1088 | 13.8457 | | 0.0041 | | | (13.8377, 13.8537) | | 0.2631 | 2.11 | 2.11 | 0.0010601 |
| 4529 | 14.1088 | 13.8274 | | 0.0052 | | | (13.8171, 13.8377) | | 0.2813 | 2.25 | 2.26 | 0.0017589 |
| 4533 | 14.1088 | 13.8285 | | 0.0045 | | | (13.8197, 13.8373) | | 0.2803 | 2.25 | 2.25 | 0.0013043 |
| 4541 | 13.8537 | 13.5798 | | 0.0044 | | | (13.5712, 13.5884) | | 0.2739 | 2.19 | 2.19 | 0.0012358 |
| 4551 | 13.8537 | 13.5788 | | 0.0042 | | | (13.5706, 13.5870) | | 0.2749 | 2.20 | 2.20 | 0.0011112 |
| 4553 | 13.8537 | 13.5705 | | 0.0046 | | | (13.5616, 13.5795) | | 0.2831 | 2.27 | 2.27 | 0.0013360 |
| 4560 | 13.8537 | 13.5800 | | 0.0039 | | | (13.5724, 13.5877) | | 0.2736 | 2.19 | 2.19 | 0.0009751 |
| 4573 | 13.5897 | 13.8472 | | 0.0045 | | | (13.8385, 13.8559) | | -0.2575 | -2.06 | -2.06 | 0.0012716 |
| 4580 | 13.8448 | 13.5796 | | 0.0040 | | | (13.5718, 13.5875) | | 0.2652 | 2.12 | 2.12 | 0.0010210 |
| 4584 | 13.8537 | 13.5786 | | 0.0043 | | | (13.5702, 13.5870) | | 0.2750 | 2.20 | 2.20 | 0.0011706 |
| 4599 | 13.8537 | 13.5788 | | 0.0038 | | | (13.5713, 13.5863) | | 0.2749 | 2.20 | 2.20 | 0.0009388 |
| 4612 | 13.8537 | 13.5836 | | 0.0041 | | | (13.5755, 13.5917) | | 0.2701 | 2.16 | 2.16 | 0.0010989 |
| 4617 | 13.8537 | 13.5843 | | 0.0045 | | | (13.5755, 13.5931) | | 0.2694 | 2.16 | 2.16 | 0.0012813 |
| 4619 | 13.5897 | 13.8407 | | 0.0048 | | | (13.8312, 13.8502) | | -0.2510 | -2.01 | -2.01 | 0.0015019 |
| 4623 | 13.8537 | 13.5898 | | 0.0048 | | | (13.5804, 13.5991) | | 0.2639 | 2.11 | 2.12 | 0.0014646 |
| 4625 | 13.5897 | 13.8420 | | 0.0050 | | | (13.8321, 13.8518) | | -0.2523 | -2.02 | -2.02 | 0.0016233 |
| 4626 | 13.8537 | 13.5944 | | 0.0048 | | | (13.5850, 13.6037) | | 0.2593 | 2.08 | 2.08 | 0.0014602 |
| 4635 | 13.5897 | 13.8412 | | 0.0045 | | | (13.8323, 13.8501) | | -0.2515 | -2.01 | -2.02 | 0.0013168 |
| 4638 | 13.8448 | 13.5926 | | 0.0046 | | | (13.5835, 13.6017) | | 0.2522 | 2.02 | 2.02 | 0.0013828 |
| 4659 | 13.8448 | 13.5814 | | 0.0040 | | | (13.5736, 13.5892) | | 0.2634 | 2.11 | 2.11 | 0.0010128 |
| 4661 | 13.8537 | 13.5817 | | 0.0048 | | | (13.5722, 13.5912) | | 0.2720 | 2.18 | 2.18 | 0.0014985 |
| 4666 | 13.8537 | 13.5875 | | 0.0046 | | | (13.5784, 13.5966) | | 0.2662 | 2.13 | 2.13 | 0.0013741 |
| 4675 | 13.8537 | 13.5809 | | 0.0048 | | | (13.5716, 13.5903) | | 0.2727 | 2.19 | 2.19 | 0.0014531 |
| 4681 | 13.8537 | 13.5787 | | 0.0043 | | | (13.5702, 13.5872) | | 0.2750 | 2.20 | 2.20 | 0.0012007 |
| **Obs** | **Cook’s D** | | **DFITS** | |  |  | |
| 1 | 0.00 | | 0.054886 | |  | X | |
| 2 | 0.00 | | 0.054780 | |  | X | |
| 3 | 0.00 | | 0.052002 | |  | X | |
| 4 | 0.02 | | 0.403498 | | R | X | |
| 5 | 0.01 | | -0.268598 | |  | X | |
| 6 | 0.01 | | 0.335120 | | R | X | |
| 7 | 0.00 | | 0.046424 | |  | X | |
| 8 | 0.00 | | 0.043292 | |  | X | |
| 9 | 0.02 | | 0.352377 | | R | X | |
| 10 | 0.01 | | -0.263576 | |  | X | |
| 11 | 0.00 | | 0.032884 | |  | X | |
| 12 | 0.01 | | 0.307260 | | R | X | |
| 13 | 0.01 | | -0.257639 | |  | X | |
| 14 | 0.00 | | 0.019439 | |  | X | |
| 15 | 0.01 | | 0.305211 | | R | X | |
| 16 | 0.00 | | 0.042188 | |  | X | |
| 17 | 0.01 | | -0.251443 | |  | X | |
| 18 | 0.01 | | 0.259204 | | R | X | |
| 19 | 0.00 | | 0.020319 | |  | X | |
| 20 | 0.00 | | -0.122572 | |  | X | |
| 21 | 0.00 | | -0.125200 | |  | X | |
| 22 | 0.01 | | 0.258654 | | R | X | |
| 23 | 0.00 | | 0.000691 | |  | X | |
| 24 | 0.00 | | -0.000119 | |  | X | |
| 25 | 0.00 | | -0.000469 | |  | X | |
| 26 | 0.00 | | -0.001883 | |  | X | |
| 27 | 0.00 | | 0.001323 | |  | X | |
| 28 | 0.00 | | -0.008629 | |  | X | |
| 29 | 0.00 | | -0.009494 | |  | X | |
| 30 | 0.00 | | -0.012179 | |  | X | |
| 31 | 0.00 | | -0.014077 | |  | X | |
| 32 | 0.01 | | 0.211085 | |  | X | |
| 33 | 0.01 | | -0.226931 | |  | X | |
| 34 | 0.00 | | -0.015732 | |  | X | |
| 35 | 0.00 | | 0.196507 | |  | X | |
| 36 | 0.01 | | -0.234550 | | R | X | |
| 37 | 0.00 | | -0.023881 | |  | X | |
| 38 | 0.00 | | -0.022998 | |  | X | |
| 39 | 0.00 | | 0.199870 | |  | X | |
| 40 | 0.00 | | -0.017268 | |  | X | |
| 41 | 0.00 | | -0.018706 | |  | X | |
| 42 | 0.00 | | -0.018379 | |  | X | |
| 43 | 0.00 | | -0.025325 | |  | X | |
| 44 | 0.00 | | -0.018845 | |  | X | |
| 45 | 0.00 | | -0.018786 | |  | X | |
| 46 | 0.00 | | -0.029306 | |  | X | |
| 47 | 0.00 | | 0.164104 | |  | X | |
| 48 | 0.00 | | -0.021087 | |  | X | |
| 49 | 0.00 | | -0.023613 | |  | X | |
| 50 | 0.00 | | -0.018021 | |  | X | |
| 51 | 0.01 | | -0.215463 | | R | X | |
| 52 | 0.00 | | -0.040908 | |  | X | |
| 53 | 0.00 | | 0.144936 | |  | X | |
| 54 | 0.00 | | -0.030899 | |  | X | |
| 55 | 0.00 | | -0.027711 | |  | X | |
| 56 | 0.00 | | -0.024529 | |  | X | |
| 57 | 0.00 | | -0.035111 | |  | X | |
| 58 | 0.00 | | -0.036248 | |  | X | |
| 59 | 0.01 | | -0.212791 | | R | X | |
| 60 | 0.00 | | 0.126651 | |  | X | |
| 61 | 0.00 | | -0.034170 | |  | X | |
| 62 | 0.00 | | -0.035264 | |  | X | |
| 63 | 0.00 | | -0.043024 | |  | X | |
| 64 | 0.00 | | -0.040546 | |  | X | |
| 65 | 0.00 | | 0.122023 | |  | X | |
| 66 | 0.00 | | -0.025862 | |  | X | |
| 67 | 0.00 | | -0.023715 | |  | X | |
| 75 | 0.00 | | -0.034086 | |  | X | |
| 76 | 0.00 | | 0.113348 | |  | X | |
| 80 | 0.00 | | -0.167879 | | R |  | |
| 128 | 0.00 | | -0.124948 | | R |  | |
| 132 | 0.00 | | -0.134323 | | R |  | |
| 146 | 0.00 | | -0.126493 | | R |  | |
| 154 | 0.00 | | -0.125607 | | R |  | |
| 156 | 0.00 | | -0.128579 | | R |  | |
| 159 | 0.00 | | -0.136088 | | R |  | |
| 180 | 0.00 | | -0.118122 | | R |  | |
| 226 | 0.00 | | -0.110127 | | R |  | |
| 246 | 0.00 | | -0.107547 | | R |  | |
| 252 | 0.00 | | -0.106516 | | R |  | |
| 256 | 0.00 | | -0.108436 | | R |  | |
| 281 | 0.00 | | -0.121974 | | R |  | |
| 283 | 0.00 | | -0.102092 | | R |  | |
| 285 | 0.00 | | -0.118714 | | R |  | |
| 289 | 0.00 | | 0.092682 | | R |  | |
| 307 | 0.00 | | -0.127907 | | R |  | |
| 309 | 0.00 | | -0.104061 | | R |  | |
| 319 | 0.00 | | -0.117150 | | R |  | |
| 323 | 0.00 | | -0.111695 | | R |  | |
| 328 | 0.00 | | -0.110726 | | R |  | |
| 329 | 0.00 | | -0.103494 | | R |  | |
| 334 | 0.00 | | -0.100983 | | R |  | |
| 347 | 0.00 | | -0.108938 | | R |  | |
| 359 | 0.01 | | -0.295816 | | R |  | |
| 360 | 0.00 | | 0.190216 | | R |  | |
| 364 | 0.00 | | 0.117443 | | R |  | |
| 372 | 0.00 | | 0.111128 | | R |  | |
| 385 | 0.00 | | 0.100535 | | R |  | |
| 438 | 0.00 | | 0.091351 | | R |  | |
| 456 | 0.00 | | 0.090444 | | R |  | |
| 471 | 0.00 | | 0.104650 | | R |  | |
| 503 | 0.00 | | -0.080711 | | R |  | |
| 519 | 0.00 | | -0.098850 | | R |  | |
| 547 | 0.00 | | -0.087618 | | R |  | |
| 580 | 0.00 | | -0.082395 | | R |  | |
| 584 | 0.00 | | -0.076396 | | R |  | |
| 590 | 0.00 | | 0.158667 | | R |  | |
| 604 | 0.00 | | -0.075642 | | R |  | |
| 659 | 0.00 | | -0.098531 | | R |  | |
| 662 | 0.00 | | -0.089613 | | R |  | |
| 666 | 0.00 | | -0.095949 | | R |  | |
| 674 | 0.00 | | -0.082624 | | R |  | |
| 676 | 0.00 | | -0.071628 | | R |  | |
| 682 | 0.00 | | -0.062123 | | R |  | |
| 714 | 0.00 | | -0.089860 | | R |  | |
| 718 | 0.00 | | -0.088777 | | R |  | |
| 722 | 0.00 | | -0.098999 | | R |  | |
| 725 | 0.00 | | -0.093902 | | R |  | |
| 730 | 0.00 | | -0.094755 | | R |  | |
| 734 | 0.00 | | -0.092148 | | R |  | |
| 743 | 0.00 | | -0.084737 | | R |  | |
| 745 | 0.00 | | -0.086508 | | R |  | |
| 752 | 0.00 | | -0.098749 | | R |  | |
| 786 | 0.00 | | -0.120710 | | R |  | |
| 789 | 0.00 | | -0.114016 | | R |  | |
| 791 | 0.00 | | -0.112717 | | R |  | |
| 827 | 0.00 | | -0.112900 | | R |  | |
| 847 | 0.00 | | -0.059662 | | R |  | |
| 849 | 0.00 | | -0.074566 | | R |  | |
| 855 | 0.00 | | 0.094573 | | R |  | |
| 861 | 0.00 | | 0.064409 | | R |  | |
| 881 | 0.00 | | 0.064268 | | R |  | |
| 889 | 0.00 | | 0.064982 | | R |  | |
| 893 | 0.00 | | -0.079555 | | R |  | |
| 895 | 0.00 | | 0.093309 | | R |  | |
| 907 | 0.00 | | 0.064873 | | R |  | |
| 911 | 0.00 | | 0.064787 | | R |  | |
| 929 | 0.00 | | 0.109401 | | R |  | |
| 945 | 0.00 | | 0.073468 | | R |  | |
| 947 | 0.00 | | 0.100666 | | R |  | |
| 978 | 0.00 | | 0.061570 | | R |  | |
| 994 | 0.00 | | 0.060510 | | R |  | |
| 995 | 0.00 | | -0.062998 | | R |  | |
| 1002 | 0.00 | | 0.063211 | | R |  | |
| 1023 | 0.00 | | -0.063835 | | R |  | |
| 1024 | 0.00 | | 0.062401 | | R |  | |
| 1026 | 0.00 | | 0.060617 | | R |  | |
| 1036 | 0.00 | | 0.073431 | | R |  | |
| 1037 | 0.00 | | -0.064308 | | R |  | |
| 1073 | 0.00 | | -0.085270 | | R |  | |
| 1076 | 0.00 | | 0.061601 | | R |  | |
| 1094 | 0.00 | | -0.062714 | | R |  | |
| 1096 | 0.00 | | -0.073501 | | R |  | |
| 1099 | 0.00 | | 0.065240 | | R |  | |
| 1111 | 0.00 | | 0.065963 | | R |  | |
| 1113 | 0.00 | | 0.083981 | | R |  | |
| 1116 | 0.00 | | 0.061274 | | R |  | |
| 1121 | 0.00 | | 0.062388 | | R |  | |
| 1143 | 0.00 | | 0.087757 | | R |  | |
| 1148 | 0.00 | | 0.069722 | | R |  | |
| 1217 | 0.00 | | 0.096223 | | R |  | |
| 1227 | 0.00 | | -0.102641 | | R |  | |
| 1232 | 0.00 | | -0.097248 | | R |  | |
| 1236 | 0.00 | | -0.080302 | | R |  | |
| 1281 | 0.00 | | 0.080678 | | R |  | |
| 1284 | 0.00 | | 0.081502 | | R |  | |
| 1316 | 0.00 | | 0.091577 | | R |  | |
| 1321 | 0.00 | | 0.091024 | | R |  | |
| 1328 | 0.00 | | 0.068863 | | R |  | |
| 1331 | 0.00 | | 0.076011 | | R |  | |
| 1337 | 0.00 | | 0.089835 | | R |  | |
| 1343 | 0.00 | | 0.086963 | | R |  | |
| 1350 | 0.00 | | 0.067634 | | R |  | |
| 1355 | 0.00 | | -0.075309 | | R |  | |
| 1360 | 0.00 | | 0.068787 | | R |  | |
| 1365 | 0.00 | | 0.069019 | | R |  | |
| 1369 | 0.00 | | -0.079822 | | R |  | |
| 1371 | 0.00 | | 0.075107 | | R |  | |
| 1381 | 0.00 | | 0.070088 | | R |  | |
| 1401 | 0.00 | | 0.060560 | | R |  | |
| 1405 | 0.00 | | 0.067174 | | R |  | |
| 1408 | 0.00 | | 0.079419 | | R |  | |
| 1411 | 0.00 | | 0.066825 | | R |  | |
| 1430 | 0.00 | | 0.069343 | | R |  | |
| 1435 | 0.00 | | 0.074337 | | R |  | |
| 1447 | 0.00 | | -0.071452 | | R |  | |
| 1451 | 0.00 | | -0.065058 | | R |  | |
| 1477 | 0.00 | | -0.078319 | | R |  | |
| 1478 | 0.00 | | 0.079838 | | R |  | |
| 1479 | 0.00 | | -0.080056 | | R |  | |
| 1480 | 0.00 | | 0.083615 | | R |  | |
| 1587 | 0.00 | | 0.072189 | | R |  | |
| 1589 | 0.00 | | 0.091955 | | R |  | |
| 1609 | 0.00 | | -0.080648 | | R |  | |
| 1611 | 0.00 | | 0.075859 | | R |  | |
| 1617 | 0.00 | | 0.074481 | | R |  | |
| 1624 | 0.00 | | 0.082731 | | R |  | |
| 1627 | 0.00 | | 0.075305 | | R |  | |
| 1631 | 0.00 | | 0.074905 | | R |  | |
| 1663 | 0.00 | | 0.082523 | | R |  | |
| 1667 | 0.00 | | 0.077595 | | R |  | |
| 1670 | 0.00 | | 0.087861 | | R |  | |
| 1673 | 0.00 | | 0.067593 | | R |  | |
| 1679 | 0.00 | | 0.090341 | | R |  | |
| 1693 | 0.00 | | 0.079438 | | R |  | |
| 1698 | 0.00 | | 0.084233 | | R |  | |
| 1707 | 0.00 | | 0.067425 | | R |  | |
| 1713 | 0.00 | | 0.089242 | | R |  | |
| 1721 | 0.00 | | 0.090195 | | R |  | |
| 1725 | 0.00 | | 0.074936 | | R |  | |
| 1732 | 0.00 | | -0.075674 | | R |  | |
| 1735 | 0.00 | | 0.099094 | | R |  | |
| 1739 | 0.00 | | -0.091042 | | R |  | |
| 1740 | 0.00 | | 0.081279 | | R |  | |
| 1749 | 0.00 | | 0.086432 | | R |  | |
| 1782 | 0.00 | | 0.072168 | | R |  | |
| 1785 | 0.00 | | 0.092474 | | R |  | |
| 1811 | 0.00 | | 0.082986 | | R |  | |
| 1818 | 0.00 | | 0.081595 | | R |  | |
| 1833 | 0.00 | | 0.064874 | | R |  | |
| 1835 | 0.00 | | 0.058414 | | R |  | |
| 1842 | 0.00 | | 0.057254 | | R |  | |
| 1846 | 0.00 | | 0.065261 | | R |  | |
| 1855 | 0.00 | | -0.056568 | | R |  | |
| 1866 | 0.00 | | -0.084420 | | R |  | |
| 1885 | 0.00 | | -0.049504 | | R |  | |
| 1890 | 0.00 | | -0.054240 | | R |  | |
| 1898 | 0.00 | | -0.073694 | | R |  | |
| 1904 | 0.00 | | -0.062159 | | R |  | |
| 1924 | 0.00 | | -0.072917 | | R |  | |
| 1927 | 0.00 | | -0.139293 | | R |  | |
| 1940 | 0.00 | | -0.054337 | | R |  | |
| 1943 | 0.00 | | -0.060180 | | R |  | |
| 1962 | 0.00 | | -0.069665 | | R |  | |
| 1968 | 0.00 | | -0.070058 | | R |  | |
| 1981 | 0.00 | | -0.068430 | | R |  | |
| 1988 | 0.00 | | -0.059432 | | R |  | |
| 2004 | 0.00 | | -0.084225 | | R |  | |
| 2008 | 0.00 | | -0.087087 | | R |  | |
| 2014 | 0.00 | | -0.101954 | | R |  | |
| 2023 | 0.00 | | -0.093168 | | R |  | |
| 2025 | 0.00 | | -0.066455 | | R |  | |
| 2045 | 0.00 | | -0.087663 | | R |  | |
| 2047 | 0.00 | | -0.061347 | | R |  | |
| 2051 | 0.00 | | -0.073382 | | R |  | |
| 2057 | 0.00 | | -0.061489 | | R |  | |
| 2070 | 0.00 | | -0.070698 | | R |  | |
| 2075 | 0.00 | | -0.070863 | | R |  | |
| 2078 | 0.00 | | -0.107079 | | R |  | |
| 2090 | 0.00 | | -0.098539 | | R |  | |
| 2092 | 0.00 | | -0.077237 | | R |  | |
| 2099 | 0.00 | | -0.060565 | | R |  | |
| 2103 | 0.00 | | -0.062088 | | R |  | |
| 2123 | 0.00 | | -0.085108 | | R |  | |
| 2128 | 0.00 | | 0.091515 | | R |  | |
| 2129 | 0.00 | | -0.076346 | | R |  | |
| 2131 | 0.00 | | -0.092551 | | R |  | |
| 2133 | 0.00 | | -0.077330 | | R |  | |
| 2181 | 0.00 | | -0.088823 | | R |  | |
| 2184 | 0.00 | | -0.073647 | | R |  | |
| 2193 | 0.00 | | -0.043593 | | R |  | |
| 2211 | 0.00 | | -0.093664 | | R |  | |
| 2217 | 0.00 | | -0.098101 | | R |  | |
| 2224 | 0.00 | | -0.066147 | | R |  | |
| 2256 | 0.00 | | -0.050222 | | R |  | |
| 2258 | 0.00 | | -0.064930 | | R |  | |
| 2284 | 0.00 | | -0.054049 | | R |  | |
| 2286 | 0.00 | | -0.067069 | | R |  | |
| 2291 | 0.00 | | -0.083927 | | R |  | |
| 2318 | 0.00 | | 0.087394 | | R |  | |
| 2320 | 0.00 | | -0.074404 | | R |  | |
| 2328 | 0.00 | | -0.091872 | | R |  | |
| 2342 | 0.00 | | -0.053013 | | R |  | |
| 2344 | 0.00 | | -0.052681 | | R |  | |
| 2350 | 0.00 | | 0.072972 | | R |  | |
| 2359 | 0.00 | | 0.077076 | | R |  | |
| 2370 | 0.00 | | -0.072212 | | R |  | |
| 2371 | 0.00 | | 0.069425 | | R |  | |
| 2374 | 0.00 | | -0.070597 | | R |  | |
| 2377 | 0.00 | | 0.064406 | | R |  | |
| 2379 | 0.00 | | 0.122387 | | R |  | |
| 2380 | 0.00 | | 0.091793 | | R |  | |
| 2386 | 0.00 | | 0.097531 | | R |  | |
| 2404 | 0.00 | | 0.073644 | | R |  | |
| 2411 | 0.00 | | 0.141942 | | R |  | |
| 2420 | 0.00 | | 0.110415 | | R |  | |
| 2421 | 0.00 | | 0.145186 | | R |  | |
| 2426 | 0.00 | | 0.110690 | | R |  | |
| 2460 | 0.00 | | 0.060855 | | R |  | |
| 2466 | 0.00 | | 0.080184 | | R |  | |
| 2472 | 0.00 | | 0.084036 | | R |  | |
| 2474 | 0.00 | | 0.070337 | | R |  | |
| 2487 | 0.00 | | 0.096938 | | R |  | |
| 2500 | 0.00 | | 0.080326 | | R |  | |
| 2511 | 0.00 | | 0.092441 | | R |  | |
| 2524 | 0.00 | | 0.065705 | | R |  | |
| 2541 | 0.00 | | 0.066212 | | R |  | |
| 2546 | 0.00 | | -0.065234 | | R |  | |
| 2548 | 0.00 | | 0.080006 | | R |  | |
| 2564 | 0.00 | | 0.069545 | | R |  | |
| 2570 | 0.00 | | 0.083469 | | R |  | |
| 2571 | 0.00 | | -0.150639 | | R |  | |
| 2573 | 0.00 | | -0.073459 | | R |  | |
| 2581 | 0.00 | | -0.086756 | | R |  | |
| 2582 | 0.00 | | 0.075101 | | R |  | |
| 2583 | 0.00 | | -0.073637 | | R |  | |
| 2584 | 0.00 | | 0.085964 | | R |  | |
| 2587 | 0.00 | | -0.070031 | | R |  | |
| 2588 | 0.00 | | 0.077688 | | R |  | |
| 2610 | 0.00 | | 0.063254 | | R |  | |
| 2613 | 0.00 | | 0.064099 | | R |  | |
| 2628 | 0.00 | | -0.067384 | | R |  | |
| 2630 | 0.02 | | -0.360075 | | R |  | |
| 2631 | 0.10 | | 0.918933 | | R | X | |
| 2647 | 0.00 | | -0.054266 | | R |  | |
| 2657 | 0.00 | | 0.082473 | | R |  | |
| 2659 | 0.00 | | -0.076747 | | R |  | |
| 2661 | 0.00 | | 0.084137 | | R |  | |
| 2674 | 0.00 | | -0.069524 | | R |  | |
| 2691 | 0.00 | | -0.080838 | | R |  | |
| 2698 | 0.00 | | 0.084884 | | R |  | |
| 2704 | 0.00 | | -0.068008 | | R |  | |
| 2716 | 0.00 | | 0.082750 | | R |  | |
| 2717 | 0.00 | | -0.067620 | | R |  | |
| 2724 | 0.00 | | -0.084300 | | R |  | |
| 2741 | 0.00 | | -0.090098 | | R |  | |
| 2758 | 0.00 | | -0.091599 | | R |  | |
| 2763 | 0.00 | | -0.086820 | | R |  | |
| 2768 | 0.00 | | -0.071246 | | R |  | |
| 2775 | 0.00 | | -0.082895 | | R |  | |
| 2797 | 0.00 | | -0.097549 | | R |  | |
| 2810 | 0.00 | | -0.085765 | | R |  | |
| 2812 | 0.00 | | -0.087621 | | R |  | |
| 2816 | 0.00 | | -0.095276 | | R |  | |
| 2822 | 0.00 | | -0.067488 | | R |  | |
| 2828 | 0.00 | | -0.067771 | | R |  | |
| 2832 | 0.00 | | -0.060265 | | R |  | |
| 2842 | 0.00 | | 0.071501 | | R |  | |
| 2843 | 0.00 | | 0.088756 | | R |  | |
| 2844 | 0.00 | | 0.102733 | | R |  | |
| 2852 | 0.00 | | 0.128507 | | R |  | |
| 2859 | 0.00 | | 0.116694 | | R |  | |
| 2862 | 0.00 | | 0.125500 | | R |  | |
| 2868 | 0.00 | | 0.089110 | | R |  | |
| 2876 | 0.00 | | 0.075248 | | R |  | |
| 2877 | 0.00 | | -0.173348 | | R |  | |
| 2878 | 0.00 | | 0.164257 | | R |  | |
| 2882 | 0.00 | | 0.079469 | | R |  | |
| 2900 | 0.00 | | 0.073448 | | R |  | |
| 2908 | 0.00 | | 0.078855 | | R |  | |
| 2927 | 0.00 | | 0.095947 | | R |  | |
| 2930 | 0.00 | | 0.152545 | | R |  | |
| 2936 | 0.00 | | 0.075589 | | R |  | |
| 2937 | 0.00 | | -0.165474 | | R |  | |
| 2942 | 0.00 | | 0.081541 | | R |  | |
| 2976 | 0.00 | | 0.062349 | | R |  | |
| 2983 | 0.00 | | 0.083149 | | R |  | |
| 2989 | 0.00 | | 0.075191 | | R |  | |
| 2996 | 0.00 | | 0.073750 | | R |  | |
| 3009 | 0.00 | | 0.112221 | | R |  | |
| 3013 | 0.00 | | 0.103347 | | R |  | |
| 3016 | 0.00 | | 0.106260 | | R |  | |
| 3028 | 0.00 | | 0.068887 | | R |  | |
| 3038 | 0.00 | | 0.085550 | | R |  | |
| 3040 | 0.00 | | 0.089626 | | R |  | |
| 3042 | 0.00 | | 0.096106 | | R |  | |
| 3044 | 0.00 | | 0.085862 | | R |  | |
| 3051 | 0.00 | | 0.064696 | | R |  | |
| 3060 | 0.00 | | 0.050781 | | R |  | |
| 3062 | 0.00 | | 0.053614 | | R |  | |
| 3065 | 0.00 | | 0.059728 | | R |  | |
| 3079 | 0.00 | | 0.083099 | | R |  | |
| 3084 | 0.00 | | 0.096771 | | R |  | |
| 3091 | 0.00 | | 0.091984 | | R |  | |
| 3096 | 0.00 | | 0.089981 | | R |  | |
| 3100 | 0.00 | | 0.074496 | | R |  | |
| 3103 | 0.00 | | 0.066363 | | R |  | |
| 3109 | 0.00 | | 0.054248 | | R |  | |
| 3114 | 0.00 | | 0.068078 | | R |  | |
| 3120 | 0.00 | | 0.082814 | | R |  | |
| 3126 | 0.00 | | 0.084799 | | R |  | |
| 3133 | 0.00 | | 0.059715 | | R |  | |
| 3148 | 0.00 | | 0.080007 | | R |  | |
| 3181 | 0.00 | | 0.086609 | | R |  | |
| 3216 | 0.00 | | 0.074899 | | R |  | |
| 3229 | 0.00 | | 0.067257 | | R |  | |
| 3231 | 0.00 | | 0.073646 | | R |  | |
| 3233 | 0.00 | | 0.085867 | | R |  | |
| 3243 | 0.00 | | 0.069630 | | R |  | |
| 3274 | 0.00 | | 0.088258 | | R |  | |
| 3287 | 0.00 | | -0.063694 | | R |  | |
| 3288 | 0.00 | | 0.086702 | | R |  | |
| 3289 | 0.00 | | -0.064319 | | R |  | |
| 3293 | 0.00 | | 0.076159 | | R |  | |
| 3302 | 0.00 | | -0.093866 | | R |  | |
| 3305 | 0.00 | | -0.044961 | | R |  | |
| 3327 | 0.00 | | -0.068475 | | R |  | |
| 3332 | 0.00 | | -0.054848 | | R |  | |
| 3338 | 0.00 | | -0.054500 | | R |  | |
| 3344 | 0.00 | | -0.065245 | | R |  | |
| 3348 | 0.00 | | -0.125711 | | R |  | |
| 3351 | 0.00 | | -0.060549 | | R |  | |
| 3362 | 0.00 | | -0.054831 | | R |  | |
| 3370 | 0.00 | | -0.061171 | | R |  | |
| 3385 | 0.00 | | -0.056218 | | R |  | |
| 3393 | 0.00 | | -0.063192 | | R |  | |
| 3403 | 0.00 | | -0.055110 | | R |  | |
| 3405 | 0.00 | | -0.061141 | | R |  | |
| 3406 | 0.00 | | -0.068252 | | R |  | |
| 3425 | 0.00 | | -0.087625 | | R |  | |
| 3445 | 0.00 | | -0.066089 | | R |  | |
| 3483 | 0.00 | | -0.094568 | | R |  | |
| 3486 | 0.00 | | -0.091678 | | R |  | |
| 3492 | 0.00 | | -0.092095 | | R |  | |
| 3493 | 0.00 | | 0.190190 | | R |  | |
| 3495 | 0.00 | | -0.078443 | | R |  | |
| 3499 | 0.00 | | -0.105539 | | R |  | |
| 3503 | 0.00 | | -0.098565 | | R |  | |
| 3506 | 0.00 | | -0.097074 | | R |  | |
| 3511 | 0.00 | | -0.077884 | | R |  | |
| 3514 | 0.00 | | -0.082557 | | R |  | |
| 3519 | 0.00 | | -0.068827 | | R |  | |
| 3523 | 0.00 | | -0.089351 | | R |  | |
| 3558 | 0.00 | | -0.059117 | | R |  | |
| 3564 | 0.00 | | -0.061945 | | R |  | |
| 3567 | 0.00 | | -0.060447 | | R |  | |
| 3569 | 0.00 | | -0.091691 | | R |  | |
| 3581 | 0.00 | | -0.064983 | | R |  | |
| 3584 | 0.00 | | -0.071792 | | R |  | |
| 3593 | 0.00 | | -0.071291 | | R |  | |
| 3613 | 0.00 | | -0.090155 | | R |  | |
| 3616 | 0.00 | | -0.110953 | | R |  | |
| 3620 | 0.00 | | 0.089240 | | R |  | |
| 3626 | 0.00 | | -0.079993 | | R |  | |
| 3631 | 0.00 | | -0.059060 | | R |  | |
| 3632 | 0.00 | | 0.055465 | | R |  | |
| 3662 | 0.00 | | 0.067851 | | R |  | |
| 3665 | 0.00 | | 0.057032 | | R |  | |
| 3701 | 0.00 | | -0.068408 | | R |  | |
| 3717 | 0.00 | | -0.080480 | | R |  | |
| 3722 | 0.00 | | -0.069002 | | R |  | |
| 3736 | 0.00 | | -0.061408 | | R |  | |
| 3737 | 0.00 | | 0.159539 | | R |  | |
| 3738 | 0.00 | | -0.068586 | | R |  | |
| 3740 | 0.00 | | -0.070642 | | R |  | |
| 3747 | 0.00 | | -0.074883 | | R |  | |
| 3754 | 0.00 | | -0.070710 | | R |  | |
| 3765 | 0.00 | | -0.086064 | | R |  | |
| 3769 | 0.00 | | -0.082969 | | R |  | |
| 3793 | 0.00 | | -0.071766 | | R |  | |
| 3801 | 0.00 | | -0.059885 | | R |  | |
| 3804 | 0.00 | | -0.063729 | | R |  | |
| 3806 | 0.00 | | 0.078472 | | R |  | |
| 3810 | 0.00 | | -0.076133 | | R |  | |
| 3818 | 0.00 | | 0.057748 | | R |  | |
| 3829 | 0.00 | | 0.061433 | | R |  | |
| 3837 | 0.00 | | -0.054843 | | R |  | |
| 3841 | 0.00 | | -0.070366 | | R |  | |
| 3842 | 0.00 | | -0.080552 | | R |  | |
| 3843 | 0.00 | | 0.154139 | | R |  | |
| 3865 | 0.00 | | -0.075301 | | R |  | |
| 3868 | 0.00 | | -0.151010 | | R |  | |
| 3870 | 0.00 | | -0.080063 | | R |  | |
| 3876 | 0.00 | | -0.074054 | | R |  | |
| 3877 | 0.00 | | 0.167051 | | R |  | |
| 3896 | 0.00 | | -0.074542 | | R |  | |
| 3902 | 0.00 | | 0.074868 | | R |  | |
| 3903 | 0.00 | | -0.080919 | | R |  | |
| 3947 | 0.00 | | -0.087143 | | R |  | |
| 3959 | 0.00 | | -0.067376 | | R |  | |
| 3963 | 0.00 | | -0.081295 | | R |  | |
| 3969 | 0.00 | | -0.079627 | | R |  | |
| 3973 | 0.00 | | -0.086262 | | R |  | |
| 3977 | 0.00 | | -0.088051 | | R |  | |
| 3988 | 0.00 | | 0.070096 | | R |  | |
| 4000 | 0.00 | | 0.073695 | | R |  | |
| 4008 | 0.00 | | -0.073686 | | R |  | |
| 4012 | 0.00 | | -0.075539 | | R |  | |
| 4029 | 0.00 | | -0.063565 | | R |  | |
| 4040 | 0.00 | | 0.075292 | | R |  | |
| 4043 | 0.00 | | -0.077104 | | R |  | |
| 4049 | 0.00 | | -0.071699 | | R |  | |
| 4052 | 0.00 | | -0.075800 | | R |  | |
| 4083 | 0.00 | | 0.073355 | | R |  | |
| 4103 | 0.00 | | 0.072880 | | R |  | |
| 4134 | 0.00 | | 0.077749 | | R |  | |
| 4143 | 0.00 | | 0.058822 | | R |  | |
| 4150 | 0.00 | | 0.066959 | | R |  | |
| 4155 | 0.00 | | -0.072119 | | R |  | |
| 4158 | 0.00 | | -0.057303 | | R |  | |
| 4159 | 0.00 | | 0.060855 | | R |  | |
| 4161 | 0.00 | | -0.063267 | | R |  | |
| 4172 | 0.00 | | -0.066285 | | R |  | |
| 4176 | 0.00 | | -0.067995 | | R |  | |
| 4182 | 0.00 | | -0.063594 | | R |  | |
| 4184 | 0.00 | | -0.095196 | | R |  | |
| 4198 | 0.00 | | -0.068666 | | R |  | |
| 4216 | 0.00 | | -0.072966 | | R |  | |
| 4264 | 0.00 | | -0.069786 | | R |  | |
| 4266 | 0.00 | | 0.069509 | | R |  | |
| 4267 | 0.00 | | -0.069937 | | R |  | |
| 4272 | 0.00 | | -0.062236 | | R |  | |
| 4274 | 0.00 | | -0.064671 | | R |  | |
| 4280 | 0.00 | | -0.060801 | | R |  | |
| 4289 | 0.00 | | 0.141296 | | R |  | |
| 4294 | 0.00 | | -0.063064 | | R |  | |
| 4312 | 0.00 | | -0.065308 | | R |  | |
| 4314 | 0.00 | | -0.061423 | | R |  | |
| 4320 | 0.00 | | -0.075175 | | R |  | |
| 4325 | 0.00 | | -0.079220 | | R |  | |
| 4338 | 0.00 | | 0.062102 | | R |  | |
| 4343 | 0.00 | | -0.069456 | | R |  | |
| 4357 | 0.00 | | -0.077151 | | R |  | |
| 4363 | 0.00 | | -0.066422 | | R |  | |
| 4378 | 0.00 | | -0.061371 | | R |  | |
| 4388 | 0.00 | | -0.059688 | | R |  | |
| 4399 | 0.00 | | -0.067823 | | R |  | |
| 4406 | 0.00 | | 0.080097 | | R |  | |
| 4411 | 0.00 | | 0.084324 | | R |  | |
| 4414 | 0.00 | | 0.078711 | | R |  | |
| 4417 | 0.00 | | 0.098764 | | R |  | |
| 4419 | 0.00 | | 0.067425 | | R |  | |
| 4434 | 0.00 | | 0.074406 | | R |  | |
| 4441 | 0.00 | | 0.085918 | | R |  | |
| 4443 | 0.00 | | 0.085189 | | R |  | |
| 4465 | 0.00 | | 0.077965 | | R |  | |
| 4467 | 0.00 | | 0.081120 | | R |  | |
| 4470 | 0.00 | | 0.082572 | | R |  | |
| 4473 | 0.00 | | 0.086792 | | R |  | |
| 4477 | 0.00 | | 0.066594 | | R |  | |
| 4489 | 0.00 | | 0.064514 | | R |  | |
| 4492 | 0.00 | | 0.104320 | | R |  | |
| 4503 | 0.00 | | 0.090868 | | R |  | |
| 4506 | 0.00 | | 0.102344 | | R |  | |
| 4513 | 0.00 | | 0.079082 | | R |  | |
| 4517 | 0.00 | | 0.079162 | | R |  | |
| 4526 | 0.00 | | 0.068674 | | R |  | |
| 4529 | 0.00 | | 0.094680 | | R |  | |
| 4533 | 0.00 | | 0.081180 | | R |  | |
| 4541 | 0.00 | | 0.077206 | | R |  | |
| 4551 | 0.00 | | 0.073468 | | R |  | |
| 4553 | 0.00 | | 0.083010 | | R |  | |
| 4560 | 0.00 | | 0.068501 | | R |  | |
| 4573 | 0.00 | | -0.073636 | | R |  | |
| 4580 | 0.00 | | 0.067933 | | R |  | |
| 4584 | 0.00 | | 0.075459 | | R |  | |
| 4599 | 0.00 | | 0.067516 | | R |  | |
| 4612 | 0.00 | | 0.071783 | | R |  | |
| 4617 | 0.00 | | 0.077330 | | R |  | |
| 4619 | 0.00 | | -0.078027 | | R |  | |
| 4623 | 0.00 | | 0.081008 | | R |  | |
| 4625 | 0.00 | | -0.081531 | | R |  | |
| 4626 | 0.00 | | 0.079469 | | R |  | |
| 4635 | 0.00 | | -0.073181 | | R |  | |
| 4638 | 0.00 | | 0.075230 | | R |  | |
| 4659 | 0.00 | | 0.067209 | | R |  | |
| 4661 | 0.00 | | 0.084457 | | R |  | |
| 4666 | 0.00 | | 0.079134 | | R |  | |
| 4675 | 0.00 | | 0.083392 | | R |  | |
| 4681 | 0.00 | | 0.076407 | | R |  | |

*R  Large residual  
X  Unusual X*

