

Raw Lab and Prelab Grades as of 5-08-2013 5:30 PM

| Code | Error Analysis<br>L-0 | Measurement<br>Error<br>L-1 | Kinematics<br>L-2 | Acceleration &<br>Freefall<br>L-3 | Newton's First<br>and Third Laws<br>L-4 | Forces in<br>Equilibrium<br>L-5 | Newton's<br>Second Law<br>and Friction<br>L-6 | Linear<br>Momentum<br>and Collisions<br>L-7 | Uniform<br>Circular Motion<br>L-8 | Simple<br>Harmonic<br>Motion<br>L-9 | Standing<br>Waves<br>L-10 | Archimedes'<br>Principle and<br>Buoyancy<br>L-11 | Measurement<br>Error<br>PL-1 | Kinematics<br>PL-2 | Acceleration &<br>Freefall<br>PL-3 | Newton's First<br>and Third Laws<br>PL-4 | Forces in<br>Equilibrium<br>PL-5 | Newton's<br>Second Law<br>and Friction<br>PL-6 | Linear<br>Momentum<br>and Collisions<br>PL-7 | Uniform<br>Circular Motion<br>PL-8 | Simple<br>Harmonic<br>Motion<br>PL-9 | Standing<br>Waves<br>PL-10 | Archimedes'<br>Principle and<br>Buoyancy<br>PL-11 | FE |
|------|-----------------------|-----------------------------|-------------------|-----------------------------------|---|---------------------------------|---|---|-----------------------------------|-------------------------------------|---------------------------|--|------------------------------|--------------------|------------------------------------|--|----------------------------------|--|--|------------------------------------|--------------------------------------|----------------------------|---|----|
| 0000 | 5.0                   | 4.7                         | 3.7               | 4.7                               | 4.9                                     | 4.3                             | 4.4   | 4.9   | 4.9                               | 5.0                                 | 5.0                       |  | 2.5                          | 4.0                | 3.0                                | 4.0                                      | 4.0                              | 8.0  | 8.0  | 9.0                                | 10.0                                 | 9.0                        |   |    |
| 0006 | 5.8                   | 4.8                         | 4.9               | 5.0                               | 5.0                                     | 5.0                             | 5.0   | 5.0   | 5.0                               | 0.0                                 | 4.9                       |  | 8.5                          | 9.0                | 8.0                                | 9.5                                      | 10.0                             | 7.0  | 8.0  | 10.0                               | 0.0                                  | 10.0                       |   |    |
| 0007 | 5.6                   | 0.0                         | 0.0               | 0.0                               | 0.0                                     | 0.0                             | 0.0   | 0.0   | 0.0                               | 0.0                                 | 0.0                       |  | 0.0                          | 0.0                | 0.0                                | 0.0                                      | 0.0                              | 0.0  | 0.0  | 0.0                                | 0.0                                  | 0.0                        |   |    |
| 0008 | 5.8                   | 4.3                         | 4.8               | 4.9                               | 5.0                                     | 4.9                             | 4.5   | 4.5   | 4.8                               | 5.0                                 | 4.5                       |  | 8.5                          | 10.0               | 8.0                                | 1.5                                      | 8.0                              | 9.0  | 8.0  | 6.0                                | 9.0                                  | 8.0                        |   |    |
| 0010 | 5.6                   | 4.5                         | 5.0               | 4.5                               | 5.0                                     | 5.0                             | 5.0   | 5.0   | 5.0                               | 5.0                                 | 0.0                       |  | 9.0                          | 10.0               | 6.0                                | 10.0                                     | 6.0                              | 8.0  | 10.0   | 10.0                               | 10.0                                 | 0.0                        |   |    |
| 0013 | 5.5                   | 4.6                         | 4.5               | 4.7                               | 5.0                                     | 4.4                             | 4.3   | 4.9   | 5.0                               | 4.8                                 | 5.0                       |  | 10.0                         | 10.0               | 10.0                               | 9.0                                      | 10.0                             | 10.0   | 8.0  | 10.0                               | 10.0                                 | 10.0                       |   |    |
| 0060 | 5.6                   | 4.9                         | 5.0               | 4.8                               | 4.4                                     | 5.0                             | 0.0   | 5.0   | 4.8                               | 5.0                                 | 5.0                       |  | 7.0                          | 10.0               | 2.0                                | 9.5                                      | 10.0                             | 0.0  | 10.0   | 10.0                               | 10.0                                 | 5.0                        |   |    |
| 0101 | 5.8                   | 4.9                         | 4.5               | 4.9                               | 4.8                                     | 4.8                             | 4.2   | 5.0   | 5.0                               | 4.8                                 | 5.0                       |  | 8.0                          | 10.0               | 10.0                               | 10.0                                     | 9.0                              | 8.0  | 10.0   | 8.0                                | 5.0                                  | 10.0                       |   |    |
| 0114 | 5.7                   | 4.8                         | 4.7               | 4.8                               | 4.3                                     | 5.0                             | 4.7   | 4.4   | 4.6                               | 4.3                                 | 4.6                       |  | 7.0                          | 7.0                | 9.0                                | 10.0                                     | 7.0                              | 6.0  | 10.0   | 6.0                                | 10.0                                 | 8.0                        |   |    |
| 0117 | 5.9                   | 4.9                         | 5.0               | 5.0                               | 5.0                                     | 5.0                             | 4.8   | 5.0   | 5.0                               | 0.0                                 | 4.9                       |  | 0.0                          | 10.0               | 8.0                                | 10.0                                     | 8.0                              | 9.0  | 10.0   | 10.0                               | 0.0                                  | 10.0                       |   |    |
| 0123 | 5.9                   | 4.7                         | 4.7               | 4.6                               | 4.9                                     | 4.6                             | 4.1   | 4.7   | 4.9                               | 4.9                                 | 4.8                       |  | 7.0                          | 9.0                | 8.0                                | 5.5                                      | 9.0                              | 10.0   | 10.0   | 10.0                               | 10.0                                 | 9.0                        |   |    |
| 0134 | 5.7                   | 4.6                         | 4.4               | 4.9                               | 4.8                                     | 4.7                             | 4.3   | 5.0   | 4.6                               | 5.0                                 | 0.0                       |  | 8.5                          | 9.5                | 10.0                               | 9.5                                      | 9.0                              | 10.0   | 10.0   | 8.0                                | 5.0                                  | 0.0                        |   |    |
| 0156 | 5.4                   | 4.9                         | 5.0               | 4.7                               | 5.0                                     | 5.0                             | 4.8   | 5.0   | 4.9                               | 0.0                                 | 4.8                       |  | 0.0                          | 8.0                | 10.0                               | 4.5                                      | 4.0                              | 5.0  | 0.0  | 10.0                               | 0.0                                  | 10.0                       |   |    |
| 0324 | 5.4                   | 4.8                         | 4.6               | 4.9                               | 4.7                                     | 5.0                             | 4.8   | 4.7   | 4.5                               | 4.8                                 | 0.0                       |  | 10.0                         | 8.0                | 8.0                                | 9.5                                      | 9.0                              | 8.0  | 10.0   | 10.0                               | 10.0                                 | 0.0                        |   |    |
| 0326 | 5.7                   | 4.6                         | 5.0               | 4.9                               | 4.8                                     | 5.0                             | 5.0   | 5.0   | 5.0                               | 5.0                                 | 0.0                       |  | 8.0                          | 10.0               | 10.0                               | 9.0                                      | 10.0                             | 8.0  | 10.0   | 10.0                               | 10.0                                 | 0.0                        |   |    |
| 0551 | 6.0                   | 4.8                         | 5.0               | 4.8                               | 5.0                                     | 4.6                             | 0.0   | 0.0   | 4.8                               | 5.0                                 | 4.9                       | 4.7  | 6.0                          | 10.0               | 8.0                                | 7.5                                      | 7.0                              | 0.0  | 6.0  | 10.0                               | 10.0                                 | 8.0                        | 9   |    |
| 0560 | 6.0                   | 4.4                         | 5.0               | 4.7                               | 5.0                                     | 5.0                             | 0.0   | 5.0   | 0.0                               | 0.0                                 | 0.0                       |  | 0.0                          | 9.0                | 10.0                               | 0.0                                      | 4.0                              | 0.0  | 0.0  | 0.0                                | 0.0                                  | 0.0                        |   |    |
| 0702 | 5.7                   | 4.7                         | 4.7               | 4.9                               | 4.5                                     | 4.4                             | 4.7   | 4.7   | 4.5                               | 4.8                                 | 0.0                       |  | 10.0                         | 9.0                | 10.0                               | 10.0                                     | 7.0                              | 10.0   | 10.0   | 10.0                               | 10.0                                 | 0.0                        |   |    |
| 0708 | 5.5                   | 4.6                         | 4.5               | 4.8                               | 3.8                                     | 0.0                             | 3.4   | 4.3   | 4.1                               | 0.0                                 | 4.2                       |  | 6.5                          | 9.0                | 5.0                                | 6.0                                      | 0.0                              | 7.0  | 10.0   | 3.0                                | 0.0                                  | 4.0                        |   |    |
| 0893 | 5.7                   | 4.9                         | 4.8               | 4.8                               | 4.0                                     | 3.0                             | 4.8   | 4.7   | 4.3                               | 4.9                                 | 0.0                       |  | 8.0                          | 9.0                | 10.0                               | 9.5                                      | 9.0                              | 7.0  | 10.0   | 10.0                               | 10.0                                 | 0.0                        |   |    |
| 1001 | 5.9                   | 5.0                         | 5.0               | 5.0                               | 4.8                                     | 5.0                             | 5.0   | 5.0   | 4.6                               | 5.0                                 | 0.0                       |  | 0.0                          | 10.0               | 10.0                               | 0.0                                      | 9.0                              | 7.0  | 1.0  | 10.0                               | 10.0                                 | 0.0                        |   |    |
| 1028 | 4.1                   | 4.7                         | 4.4               | 4.3                               | 4.9                                     | 4.5                             | 4.4   | 4.8   | 4.8                               | 4.8                                 | 0.0                       |  | 8.0                          | 10.0               | 7.0                                | 4.5                                      | 6.0                              | 8.0  | 8.0  | 10.0                               | 10.0                                 | 0.0                        |   |    |
| 1101 | 5.6                   | 4.3                         | 4.7               | 5.0                               | 5.0                                     | 4.6                             | 4.5   | 5.0   | 4.8                               | 4.8                                 | 0.0                       |  | 10.0                         | 8.5                | 10.0                               | 9.5                                      | 9.0                              | 9.0  | 10.0   | 10.0                               | 9.0                                  | 0.0                        |   |    |
| 1111 | 5.7                   | 4.7                         | 4.5               | 4.8                               | 5.0                                     | 4.6                             | 4.9   | 4.9   | 4.5                               | 5.0                                 | 0.0                       |  | 5.0                          | 8.0                | 6.0                                | 6.0                                      | 5.0                              | 6.0  | 9.0  | 8.0                                | 9.0                                  | 6.0                        |   |    |
| 1112 | 5.7                   | 5.0                         | 5.0               | 5.0                               | 5.0                                     | 4.7                             | 4.7   | 5.0   | 4.6                               | 4.8                                 | 0.0                       |  | 8.0                          | 9.0                | 10.0                               | 8.5                                      | 9.0                              | 6.0  | 8.0  | 10.0                               | 10.0                                 | 0.0                        |   |    |
| 1123 | 5.6                   | 4.8                         | 4.8               | 4.8                               | 4.8                                     | 5.0                             | 4.5   | 5.0   | 4.8                               | 5.0                                 | 0.0                       |  | 9.0                          | 8.5                | 4.0                                | 5.5                                      | 9.0                              | 8.0  | 10.0   | 4.0                                | 10.0                                 | 0.0                        |   |    |
| 1127 | 2.6                   | 5.0                         | 5.0               | 5.0                               | 4.8                                     | 5.0                             | 4.8   | 5.0   | 4.9                               | 4.8                                 | 5.0                       |  | 6.0                          | 10.0               | 10.0                               | 10.0                                     | 9.0                              | 5.0  | 10.0   | 10.0                               | 10.0                                 | 8.0                        |   |    |
| 1135 | 5.5                   | 4.6                         | 4.5               | 4.9                               | 4.9                                     | 5.0                             | 5.0   | 4.7   | 5.0                               | 4.8                                 | 0.0                       |  | 10.0                         | 10.0               | 10.0                               | 9.5                                      | 6.0                              | 9.0  | 10.0   | 10.0                               | 9.0                                  | 6.0                        |   |    |
| 1196 | 5.8                   | 5.0                         | 5.0               | 4.8                               | 5.0                                     | 5.0                             | 3.8   | 5.0   | 4.9                               | 4.8                                 | 0.0                       |  | 7.5                          | 10.0               | 10.0                               | 10.0                                     | 9.0                              | 8.0  | 10.0   | 10.0                               | 10.0                                 | 10.0                       |   |    |
| 1205 | 5.6                   | 4.1                         | 4.5               | 4.8                               | 4.8                                     | 4.7                             | 4.3   | 5.0   | 4.6                               | 5.0                                 | 0.0                       |  | 3.5                          | 7.5                | 9.0                                | 9.5                                      | 9.0                              | 10.0   | 10.0   | 6.0                                | 5.0                                  | 3.0                        |   |    |
| 1208 | 5.9                   | 5.0                         | 5.0               | 4.8                               | 5.0                                     | 5.0                             | 5.0   | 5.0   | 5.0                               | 5.0                                 | 0.0                       |  | 9.5                          | 9.0                | 10.0                               | 8.0                                      | 0.0                              | 9.0  | 8.0  | 10.0                               | 10.0                                 | 0.0                        |   |    |
| 1214 | 4.4                   | 0.0                         | 0.0               | 0.0                               | 0.0                                     | 0.0                             | 0.0   | 0.0   | 0.0                               | 0.0                                 | 0.0                       |  | 0.0                          | 0.0                | 0.0                                | 0.0                                      | 0.0                              | 0.0  | 0.0  | 0.0                                | 0.0                                  | 0.0                        |   |    |
| 1214 | 5.4                   | 4.9                         | 4.7               | 5.0                               | 5.0                                     | 4.8                             | 0.0   | 5.0   | 4.8                               | 5.0                                 | 5.0                       |  | 7.5                          | 10.0               | 2.0                                | 5.0                                      | 9.0                              | 0.0  | 10.0   | 10.0                               | 10.0                                 | 3.0                        |   |    |
| 1217 | 5.5                   | 4.8                         | 4.7               | 4.9                               | 4.8                                     | 5.0                             | 5.0   | 5.0   | 5.0                               | 5.0                                 | 0.0                       |  | 9.0                          | 10.0               | 8.0                                | 9.0                                      | 7.0                              | 9.0  | 10.0   | 0.0                                | 10.0                                 | 0.0                        |   |    |
| 1225 | 5.6                   | 4.8                         | 4.7               | 4.9                               | 4.6                                     | 4.8                             | 4.5   | 4.9   | 4.4                               | 3.9                                 | 4.7                       |  | 10.0                         | 9.0                | 6.0                                | 6.5                                      | 7.0                              | 8.0  | 6.0  | 4.0                                | 10.0                                 | 7.0                        |   |    |
| 1228 | 5.3                   | 4.9                         | 4.9               | 4.7                               | 5.0                                     | 4.6                             | 4.7   | 4.7   | 4.7                               | 5.0                                 | 4.8                       |  | 9.0                          | 10.0               | 8.0                                | 10.0                                     | 9.0                              | 10.0   | 9.0  | 10.0                               | 10.0                                 | 8.0                        |   |    |
| 1234 | 5.6                   | 4.9                         | 4.6               | 4.7                               | 4.6                                     | 3.8                             | 4.9   | 4.5   | 4.7                               | 4.6                                 | 5.0                       |  | 7.0                          | 8.5                | 6.0                                | 5.0                                      | 7.0                              | 6.0  | 8.0  | 6.0                                | 8.0                                  | 0.0                        |   |    |
| 1234 | 5.4                   | 5.0                         | 4.2               | 4.7                               | 4.9                                     | 4.6                             | 4.5   | 4.7   | 4.7                               | 5.0                                 | 0.0                       |  | 9.0                          | 10.0               | 10.0                               | 8.5                                      | 7.0                              | 8.0  | 8.0  | 10.0                               | 10.0                                 | 0.0                        |   |    |
| 1234 | 5.6                   | 4.7                         | 0.0               | 4.6                               | 0.0                                     | 3.8                             | 4.8   | 4.7   | 4.1                               | 4.5                                 | 4.6                       | 4.8  | 6.0                          | 0.0                | 4.0                                | 0.0                                      | 8.0                              | 4.0  | 10.0   | 4.0                                | 10.0                                 | 6.0                        | 6   |    |
| 1234 | 5.7                   | 3.0                         | 5.0               | 5.0                               | 5.0                                     | 4.8                             | 4.9   | 4.9   | 5.0                               | 4.0                                 | 5.0                       |  | 7.0                          | 9.0                | 10.0                               | 9.5                                      | 9.0                              | 4.0  | 10.0   | 8.0                                | 10.0                                 | 10.0                       |   |    |
| 1249 | 5.1                   | 4.8                         | 4.7               | 4.8                               | 4.3                                     | 0.0                             | 0.0   | 0.0   | 0.0                               | 0.0                                 | 0.0                       |  | 0.0                          | 8.0                | 7.0                                | 0.0                                      | 0.0                              | 0.0  | 0.0  | 0.0                                | 0.0                                  | 0.0                        |   |    |
| 1337 | 5.8                   | 5.0                         | 4.8               | 5.0                               | 4.8                                     | 4.6                             | 4.0   | 4.7   | 4.9                               | 4.7                                 | 0.0                       |  | 9.0                          | 9.0                | 10.0                               | 9.5                                      | 9.0                              | 6.0  | 10.0   | 8.0                                | 5.0                                  | 0.0                        |   |    |
| 1337 | 0.0                   | 0.0                         | 4.5               | 0.0                               | 4.0                                     | 2.9                             | 4.8   | 3.3   | 4.8                               | 5.0                                 | 5.0                       | 4.7  | 0.0                          | 0.0                | 0.0                                | 7.0                                      | 0.0                              | 8.0  | 8.0  | 9.0                                | 10.0                                 | 8.6                        |   |    |

|      |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 1345 | 5.8 | 4.8 | 4.3 | 4.4 | 4.6 | 4.9 | 4.0 | 4.9 | 4.8 | 4.7 | 5.0 | 7.0  | 10.0 | 8.0  | 6.0  | 9.0  | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| 1392 | 5.8 | 4.8 | 5.0 | 4.9 | 5.0 | 4.7 | 4.6 | 5.0 | 5.0 | 4.8 | 0.0 | 8.0  | 10.0 | 8.0  | 9.0  | 9.0  | 9.0  | 8.0  | 10.0 | 10.0 | 0.0  |
| 1486 | 5.6 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.7 | 4.8 | 4.9 | 5.0 | 0.0 | 9.0  | 10.0 | 10.0 | 9.0  | 10.0 | 8.0  | 10.0 | 10.0 | 10.0 | 0.0  |
| 1491 | 5.7 | 5.0 | 4.9 | 4.6 | 4.0 | 4.8 | 4.5 | 4.5 | 3.7 | 4.9 | 4.4 | 7.0  | 9.0  | 6.0  | 6.0  | 8.0  | 7.0  | 10.0 | 6.0  | 10.0 | 7.0  |
| 1513 | 5.5 | 4.2 | 4.4 | 4.8 | 3.7 | 4.6 | 4.5 | 5.0 | 4.7 | 5.0 | 0.0 | 7.0  | 8.0  | 3.0  | 5.0  | 8.0  | 8.0  | 7.0  | 10.0 | 9.0  | 9.0  |
| 1515 | 5.4 | 4.4 | 4.7 | 4.0 | 4.6 | 4.7 | 5.0 | 4.8 | 4.8 | 5.0 | 0.0 | 8.0  | 10.0 | 9.0  | 10.0 | 8.0  | 10.0 | 10.0 | 10.0 | 10.0 | 0.0  |
| 1531 | 5.5 | 4.7 | 4.7 | 4.9 | 4.8 | 4.6 | 4.5 | 4.9 | 4.5 | 3.4 | 0.0 | 3.0  | 7.0  | 6.0  | 9.5  | 8.0  | 9.0  | 0.0  | 0.0  | 10.0 | 0.0  |
| 1590 | 5.2 | 4.5 | 4.6 | 4.1 | 4.9 | 5.0 | 4.8 | 4.8 | 0.0 | 0.0 | 4.4 | 7.0  | 9.0  | 9.0  | 8.5  | 7.0  | 10.0 | 10.0 | 0.0  | 0.0  | 9.0  |
| 1601 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 10.0 | 7.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1616 | 5.2 | 4.6 | 4.8 | 4.9 | 5.0 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0  | 10.0 | 8.0  | 10.0 | 10.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1692 | 5.7 | 4.8 | 4.0 | 4.5 | 4.6 | 4.6 | 5.0 | 4.6 | 4.7 | 5.0 | 4.6 | 6.0  | 10.0 | 9.0  | 6.5  | 10.0 | 7.0  | 10.0 | 8.0  | 0.0  | 10.0 |
| 1693 | 5.5 | 4.9 | 4.7 | 4.8 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 0.0 | 9.0  | 10.0 | 10.0 | 10.0 | 7.0  | 6.0  | 10.0 | 6.0  | 10.0 | 0.0  |
| 1715 | 5.5 | 4.8 | 4.2 | 4.5 | 5.0 | 5.0 | 4.5 | 5.0 | 4.8 | 5.0 | 0.0 | 9.0  | 8.0  | 8.0  | 10.0 | 10.0 | 6.0  | 10.0 | 10.0 | 10.0 | 8.0  |
| 1717 | 5.6 | 5.0 | 4.9 | 4.8 | 4.5 | 3.7 | 3.8 | 4.9 | 4.4 | 4.6 | 0.0 | 7.5  | 10.0 | 5.0  | 9.5  | 8.0  | 6.0  | 10.0 | 6.0  | 10.0 | 0.0  |
| 1717 | 5.8 | 4.5 | 4.9 | 4.5 | 4.8 | 3.4 | 4.9 | 5.0 | 4.5 | 4.7 | 0.0 | 8.0  | 9.0  | 6.0  | 3.5  | 9.0  | 8.0  | 10.0 | 10.0 | 10.0 | 0.0  |
| 1913 | 4.6 | 5.0 | 5.0 | 5.0 | 4.9 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 0.0 | 9.0  | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 0.0  |
| 1959 | 5.5 | 4.8 | 4.7 | 5.0 | 4.5 | 5.0 | 4.6 | 4.8 | 4.7 | 4.7 | 0.0 | 5.0  | 8.0  | 7.0  | 8.0  | 7.0  | 8.0  | 10.0 | 10.0 | 10.0 | 0.0  |
| 1962 | 5.5 | 5.0 | 4.9 | 5.0 | 4.8 | 0.0 | 5.0 | 5.0 | 4.7 | 4.8 | 5.0 | 7.0  | 9.0  | 0.0  | 9.0  | 6.0  | 7.0  | 10.0 | 6.0  | 10.0 | 7.0  |
| 1964 | 5.8 | 4.8 | 4.5 | 4.9 | 4.9 | 4.4 | 4.6 | 0.0 | 4.7 | 5.0 | 0.0 | 4.4  | 6.0  | 9.0  | 1.0  | 8.0  | 7.0  | 6.0  | 10.0 | 6.0  | 9.0  |
| 1983 | 5.8 | 4.4 | 4.6 | 4.5 | 4.9 | 5.0 | 5.0 | 5.0 | 5.0 | 4.9 | 4.7 | 4.5  | 10.0 | 10.0 | 10.0 | 10.0 | 6.0  | 8.0  | 8.0  | 10.0 | 9.0  |
| 1986 | 5.6 | 5.0 | 4.7 | 5.0 | 4.9 | 4.7 | 5.0 | 5.0 | 4.9 | 5.0 | 0.0 | 10.0 | 10.0 | 10.0 | 10.0 | 8.0  | 10.0 | 10.0 | 9.0  | 10.0 | 4.0  |
| 1991 | 5.8 | 5.0 | 4.8 | 4.6 | 4.1 | 4.7 | 4.6 | 4.5 | 4.0 | 0.0 | 4.4 | 8.0  | 9.0  | 5.0  | 9.0  | 4.0  | 0.0  | 8.0  | 6.0  | 0.0  | 8.0  |
| 1992 | 5.5 | 4.9 | 4.6 | 4.6 | 4.2 | 4.1 | 4.5 | 4.5 | 3.5 | 4.3 | 4.8 | 3.5  | 8.0  | 7.0  | 5.5  | 8.0  | 5.0  | 5.0  | 4.0  | 10.0 | 5.0  |
| 1992 | 4.5 | 4.2 | 0.0 | 4.8 | 3.6 | 3.4 | 0.0 | 4.7 | 3.9 | 3.8 | 4.4 | 4.3  | 0.0  | 0.0  | 0.0  | 3.5  | 7.0  | 0.0  | 0.0  | 3.0  | 0.0  |
| 1994 | 5.6 | 4.8 | 4.7 | 4.6 | 4.5 | 5.0 | 4.4 | 4.8 | 4.7 | 4.7 | 0.0 | 6.0  | 9.0  | 6.0  | 10.0 | 8.0  | 9.0  | 10.0 | 9.0  | 10.0 | 0.0  |
| 2012 | 5.5 | 4.9 | 4.7 | 4.8 | 4.8 | 5.0 | 4.8 | 4.6 | 4.8 | 4.6 | 0.0 | 9.5  | 7.0  | 10.0 | 10.0 | 9.0  | 10.0 | 10.0 | 10.0 | 10.0 | 6.0  |
| 2052 | 4.8 | 4.7 | 4.6 | 4.8 | 4.8 | 4.3 | 4.1 | 4.6 | 5.0 | 4.9 | 5.0 | 10.0 | 8.0  | 7.0  | 10.0 | 5.0  | 8.0  | 10.0 | 0.0  | 10.0 | 10.0 |
| 2124 | 5.7 | 5.0 | 5.0 | 4.9 | 4.0 | 4.0 | 4.2 | 4.6 | 4.3 | 4.7 | 0.0 | 9.5  | 6.0  | 10.0 | 8.5  | 10.0 | 10.0 | 10.0 | 8.0  | 10.0 | 0.0  |
| 2150 | 6.0 | 4.9 | 4.6 | 4.7 | 4.3 | 4.6 | 4.6 | 5.0 | 4.8 | 4.8 | 0.0 | 7.5  | 10.0 | 5.0  | 10.0 | 6.0  | 10.0 | 10.0 | 10.0 | 10.0 | 7.0  |
| 2222 | 4.8 | 4.6 | 0.0 | 0.0 | 4.2 | 3.1 | 4.3 | 3.9 | 0.0 | 3.2 | 3.2 | 4.5  | 6.5  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 2262 | 5.0 | 0.0 | 5.0 | 4.6 | 0.0 | 0.0 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 8.0  | 3.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 2323 | 5.9 | 4.7 | 4.8 | 4.9 | 4.8 | 3.9 | 4.8 | 4.7 | 4.6 | 4.5 | 0.0 | 9.0  | 10.0 | 8.0  | 9.0  | 9.0  | 8.0  | 10.0 | 8.0  | 10.0 | 0.0  |
| 2353 | 5.5 | 4.9 | 5.0 | 4.6 | 4.0 | 3.9 | 4.4 | 4.9 | 4.4 | 0.0 | 4.5 | 8.0  | 10.0 | 4.0  | 4.5  | 5.0  | 0.0  | 9.0  | 6.0  | 0.0  | 0.0  |
| 2384 | 5.7 | 4.8 | 5.0 | 4.8 | 4.8 | 5.0 | 5.0 | 5.0 | 4.8 | 4.9 | 0.0 | 10.0 | 9.0  | 10.0 | 10.0 | 8.0  | 9.0  | 8.0  | 10.0 | 10.0 | 0.0  |
| 2424 | 5.3 | 4.8 | 4.9 | 4.7 | 4.5 | 4.3 | 4.7 | 0.0 | 4.4 | 4.2 | 0.0 | 6.5  | 7.0  | 4.0  | 6.5  | 10.0 | 10.0 | 0.0  | 10.0 | 10.0 | 0.0  |
| 2431 | 5.6 | 4.8 | 4.7 | 5.0 | 4.6 | 5.0 | 4.5 | 4.9 | 4.7 | 4.5 | 0.0 | 7.0  | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 0.0  |
| 2456 | 4.8 | 4.7 | 4.8 | 5.0 | 4.3 | 3.7 | 4.8 | 4.5 | 0.0 | 4.4 | 0.0 | 4.7  | 5.0  | 8.0  | 4.0  | 7.5  | 5.0  | 4.0  | 10.0 | 0.0  | 10.0 |
| 2460 | 5.3 | 4.4 | 4.5 | 4.7 | 4.8 | 4.3 | 5.0 | 5.0 | 5.0 | 4.4 | 0.0 | 7.0  | 9.5  | 8.0  | 9.0  | 6.0  | 8.0  | 10.0 | 6.0  | 9.0  | 0.0  |
| 2656 | 5.5 | 4.5 | 4.4 | 4.5 | 4.0 | 4.6 | 4.1 | 5.0 | 4.6 | 0.0 | 4.9 | 6.0  | 10.0 | 10.0 | 4.5  | 8.0  | 9.0  | 10.0 | 10.0 | 3.0  | 10.0 |
| 2661 | 5.5 | 4.6 | 4.9 | 4.8 | 3.3 | 3.5 | 4.5 | 4.4 | 4.4 | 4.3 | 4.1 | 4.5  | 8.0  | 6.0  | 0.0  | 0.0  | 8.0  | 10.0 | 6.0  | 10.0 | 7.0  |
| 2705 | 5.8 | 4.7 | 4.8 | 5.0 | 4.6 | 4.2 | 4.7 | 4.6 | 4.5 | 4.4 | 4.4 | 6.0  | 9.0  | 10.0 | 7.0  | 7.0  | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| 2733 | 4.6 | 4.8 | 4.8 | 4.4 | 4.5 | 3.2 | 5.0 | 4.7 | 4.4 | 4.6 | 0.0 | 7.5  | 9.0  | 7.0  | 6.0  | 7.0  | 8.0  | 10.0 | 6.0  | 10.0 | 0.0  |
| 2749 | 5.4 | 4.7 | 4.8 | 4.8 | 0.0 | 3.3 | 4.4 | 4.8 | 4.3 | 3.8 | 4.5 | 6.0  | 9.0  | 4.0  | 0.0  | 8.0  | 4.0  | 8.0  | 6.0  | 10.0 | 7.0  |
| 3055 | 5.5 | 4.6 | 4.3 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.8 | 0.0 | 8.0  | 10.0 | 10.0 | 10.0 | 10.0 | 8.0  | 8.0  | 10.0 | 9.0  | 10.0 |
| 3223 | 5.8 | 5.0 | 4.8 | 4.6 | 4.7 | 3.8 | 3.9 | 4.8 | 4.5 | 4.5 | 0.0 | 9.5  | 10.0 | 7.0  | 10.0 | 7.0  | 4.0  | 10.0 | 6.0  | 10.0 | 0.0  |
| 3333 | 5.9 | 4.9 | 4.9 | 4.7 | 4.9 | 4.5 | 4.3 | 4.6 | 4.3 | 4.8 | 5.0 | 9.0  | 6.0  | 5.0  | 4.5  | 8.0  | 8.0  | 10.0 | 2.0  | 10.0 | 0.0  |
| 3333 | 5.7 | 5.0 | 5.0 | 4.6 | 4.7 | 5.0 | 4.8 | 5.0 | 4.8 | 5.0 | 0.0 | 10.0 | 7.0  | 4.0  | 9.0  | 8.0  | 10.0 | 10.0 | 10.0 | 10.0 | 0.0  |
| 3333 | 4.7 | 4.7 | 4.8 | 4.2 | 4.5 | 3.3 | 4.7 | 4.9 | 0.0 | 4.5 | 4.5 | 0.0  | 9.0  | 6.0  | 3.5  | 10.0 | 7.0  | 10.0 | 0.0  | 10.0 | 7.0  |
| 3377 | 5.6 | 4.5 | 5.0 | 4.9 | 4.8 | 4.7 | 4.5 | 5.0 | 4.9 | 5.0 | 5.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| 3491 | 5.8 | 5.0 | 4.6 | 4.5 | 4.6 | 4.9 | 4.4 | 5.0 | 5.0 | 5.0 | 4.9 | 7.0  | 7.0  | 8.0  | 10.0 | 8.0  | 10.0 | 8.0  | 9.0  | 10.0 | 9.0  |
| 3589 | 5.4 | 3.8 | 4.0 | 4.4 | 5.0 | 4.5 | 4.5 | 5.0 | 4.6 | 4.4 | 0.0 | 6.0  | 9.0  | 9.0  | 7.5  | 8.0  | 8.0  | 4.0  | 6.0  | 9.0  | 0.0  |

4.4

4.3

4.5

4.7

9

5



|      |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 8916 | 1.0 | 4.7 | 4.6 | 4.7 | 4.5 | 4.1 | 4.8 | 4.5 | 3.9 | 4.6 | 4.6 |     | 7.0  | 8.0  | 7.0  | 0.0  | 5.0  | 5.0  | 10.0 | 10.0 | 10.0 | 8.0  |
| 9001 | 5.8 | 4.9 | 4.9 | 4.4 | 4.6 | 4.5 | 4.4 | 4.8 | 4.8 | 5.0 | 0.0 |     | 6.0  | 10.0 | 8.0  | 10.0 | 10.0 | 10.0 | 8.0  | 6.0  | 9.0  | 5.0  |
| 9177 | 4.5 | 0.0 | 4.5 | 3.5 | 3.1 | 0.0 | 4.0 | 4.4 | 0.0 | 4.0 | 3.9 | 4.6 | 0.0  | 9.0  | 10.0 | 9.5  | 0.0  | 9.0  | 9.0  | 0.0  | 10.0 | 0.0  |
| 9229 | 5.5 | 4.8 | 4.8 | 4.9 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 0.0 |     | 10.0 | 10.0 | 9.0  | 10.0 | 5.0  | 8.0  | 10.0 | 8.0  | 10.0 | 10.0 |
| 9326 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |     | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 9364 | 5.4 | 5.0 | 4.8 | 4.6 | 4.6 | 5.0 | 4.4 | 4.7 | 4.6 | 4.4 | 0.0 |     | 6.5  | 10.0 | 8.0  | 10.0 | 9.0  | 8.0  | 10.0 | 10.0 | 9.0  | 0.0  |
| 9392 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |     | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 9595 | 5.8 | 4.8 | 4.7 | 4.9 | 3.5 | 3.4 | 3.9 | 5.0 | 4.7 | 0.0 | 4.9 |     | 8.5  | 10.0 | 4.0  | 6.0  | 5.0  | 8.0  | 10.0 | 10.0 | 0.0  | 5.0  |
| 9725 | 5.7 | 4.7 | 4.8 | 5.0 | 4.8 | 4.9 | 4.8 | 4.8 | 5.0 | 4.7 | 0.0 |     | 7.0  | 8.0  | 10.0 | 10.0 | 9.0  | 10.0 | 10.0 | 10.0 | 10.0 | 0.0  |
| 9909 | 5.7 | 4.8 | 5.0 | 5.0 | 0.0 | 4.6 | 4.6 | 4.7 | 4.5 | 4.9 | 4.7 |     | 7.5  | 10.0 | 5.0  | 0.0  | 8.0  | 8.0  | 9.0  | 10.0 | 10.0 | 9.0  |
| 9995 | 5.5 | 4.8 | 4.9 | 4.8 | 4.5 | 5.0 | 4.4 | 4.8 | 4.6 | 3.9 | 0.0 |     | 9.0  | 10.0 | 10.0 | 10.0 | 6.0  | 10.0 | 10.0 | 10.0 | 10.0 | 0.0  |
| 9999 | 5.1 | 5.0 | 4.8 | 4.6 | 4.8 | 5.0 | 4.2 | 4.9 | 4.7 | 4.6 | 0.0 |     | 10.0 | 10.0 | 10.0 | 10.0 | 9.0  | 8.0  | 10.0 | 10.0 | 9.0  | 0.0  |
| a    | 4.3 | 4.9 | 4.4 | 0.0 | 4.7 | 0.0 | 4.8 | 4.8 | 4.6 | 5.0 | 5.0 | 4.6 | 8.0  | 10.0 | 0.0  | 6.0  | 0.0  | 10.0 | 10.0 | 10.0 | 9.0  | 8.0  |
| a    | 4.4 | 4.8 | 4.6 | 4.8 | 4.7 | 0.0 | 4.1 | 4.3 | 4.5 | 0.0 | 0.0 | 4.6 | 6.5  | 9.0  | 2.0  | 0.0  | 9.0  | 0.0  | 8.0  | 0.0  | 0.0  | 0.0  |
| a    | 4.2 | 4.7 | 4.7 | 0.0 | 4.4 | 0.0 | 0.0 | 4.4 | 2.8 | 3.4 | 2.1 | 4.6 | 5.0  | 9.0  | 0.0  | 6.0  | 0.0  | 6.0  | 6.0  | 7.5  | 0.0  | 5.0  |
| a    | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |     | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| a    | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |     | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| a    | 5.9 | 4.8 | 4.9 | 4.6 | 4.4 | 4.8 | 4.6 | 0.0 | 4.4 | 4.4 | 4.4 |     | 6.5  | 9.0  | 6.0  | 3.5  | 8.0  | 8.0  | 0.0  | 10.0 | 10.0 | 10.0 |
| a    | 2.9 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |     | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| a    | 4.3 | 4.6 | 4.8 | 4.3 | 4.4 | 3.7 | 0.0 | 4.4 | 4.1 | 4.6 | 4.1 |     | 4.5  | 9.0  | 1.0  | 3.0  | 6.0  | 0.0  | 8.0  | 0.0  | 10.0 | 7.0  |
| a    | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |     | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| a    | 4.0 | 4.9 | 0.0 | 0.0 | 0.0 | 5.0 | 4.7 | 4.6 | 0.0 | 0.0 | 5.0 |     | 8.0  | 0.0  | 0.0  | 0.0  | 8.0  | 9.0  | 10.0 | 0.0  | 0.0  | 7.0  |
| a    | 1.2 | 5.0 | 0.0 | 5.0 | 4.9 | 4.4 | 4.5 | 4.0 | 4.3 | 0.0 | 5.0 |     | 0.0  | 0.0  | 10.0 | 6.0  | 8.0  | 0.0  | 0.0  | 0.0  | 0.0  | 10.0 |

a = no 4-digit code on file