

TABLE 5. Observed and calculated structure factors for orthopyroxene SDM N.7 heated

| h | k | l | /Fo/ | /Fc/ | DF | h | k | l | /Fo/ | /Fc/ | DF | h | k | l | /Fo/ | /Fc/ | DF |
|----|---|----|-------|-------|------|----|---|----|-------|-------|-------|----|----|----|-------|-------|------|
| 2 | 0 | 0* | 2.5 | 3.8 | -1.3 | 2 | 4 | 0 | 13.0 | 12.9 | .1 | 10 | 8 | 0 | 34.1 | 34.4 | -.2 |
| 4 | 0 | 0 | 78.6 | 79.1 | -.6 | 4 | 4 | 0 | 100.7 | 100.4 | .3 | 12 | 8 | 0 | 30.6 | 30.2 | .3 |
| 6 | 0 | 0 | 29.4 | 28.8 | .5 | 6 | 4 | 0* | 3.6 | 2.5 | 1.1 | 14 | 8 | 0* | 2.3 | 1.3 | 1.0 |
| 8 | 0 | 0 | 13.5 | 9.9 | 3.6 | 8 | 4 | 0 | 44.1 | 44.5 | -.4 | 16 | 8 | 0 | 60.3 | 59.8 | .5 |
| 10 | 0 | 0 | 6.7 | 4.8 | 1.9 | 10 | 4 | 0 | 46.0 | 45.9 | .1 | 18 | 8 | 0* | 5.2 | 4.3 | .9 |
| 12 | 0 | 0 | 221.7 | 216.6 | 5.1 | 12 | 4 | 0 | 33.3 | 32.0 | 1.2 | 2 | 9 | 0 | 23.2 | 23.6 | -.4 |
| 14 | 0 | 0 | 40.9 | 41.1 | -.2 | 14 | 4 | 0* | 4.4 | 2.9 | 1.5 | 4 | 9 | 0* | 6.7 | 8.1 | -1.4 |
| 16 | 0 | 0 | 144.6 | 145.2 | -.6 | 16 | 4 | 0 | 80.6 | 80.6 | .0 | 6 | 9 | 0* | 2.2 | 4.2 | -2.0 |
| 18 | 0 | 0 | 12.5 | 12.3 | .2 | 18 | 4 | 0* | .0 | .8 | -.8 | 8 | 9 | 0 | 23.9 | 24.5 | -.7 |
| 20 | 0 | 0 | 154.8 | 155.6 | -.8 | 20 | 4 | 0 | 31.4 | 42.3 | -11.0 | 10 | 9 | 0 | 33.7 | 33.7 | .0 |
| 22 | 0 | 0 | 19.2 | 19.9 | -.7 | 22 | 4 | 0 | 26.7 | 26.2 | .5 | 12 | 9 | 0* | 4.8 | 1.4 | 3.4 |
| 24 | 0 | 0 | 29.1 | 27.9 | 1.2 | 24 | 4 | 0 | 35.5 | 37.3 | -1.8 | 14 | 9 | 0* | 8.1 | 11.3 | -3.2 |
| 2 | 1 | 0 | 25.3 | 23.2 | 2.0 | 2 | 5 | 0 | 167.5 | 165.3 | 2.2 | 16 | 9 | 0* | .0 | .1 | -.1 |
| 4 | 1 | 0 | 11.6 | 10.5 | 1.1 | 4 | 5 | 0 | 8.0 | 7.7 | .3 | 18 | 9 | 0 | 23.6 | 24.0 | -.4 |
| 6 | 1 | 0 | 203.7 | 201.5 | 2.2 | 6 | 5 | 0 | 139.5 | 141.6 | -2.1 | 0 | 10 | 0 | 60.3 | 61.7 | -1.4 |
| 8 | 1 | 0* | 4.0 | 2.6 | 1.4 | 8 | 5 | 0 | 19.5 | 18.5 | 1.0 | 2 | 10 | 0 | 14.7 | 15.3 | -.6 |
| 10 | 1 | 0 | 91.6 | 89.8 | 1.8 | 10 | 5 | 0 | 47.5 | 47.6 | -.1 | 4 | 10 | 0 | 34.9 | 34.2 | .7 |
| 12 | 1 | 0 | 4.4 | 4.2 | .2 | 12 | 5 | 0 | 18.9 | 18.2 | .7 | 6 | 10 | 0* | 3.0 | 2.2 | .8 |
| 14 | 1 | 0 | 100.1 | 102.3 | -2.2 | 14 | 5 | 0 | 194.3 | 192.6 | 1.7 | 8 | 10 | 0 | 40.7 | 38.9 | 1.8 |
| 16 | 1 | 0* | 6.7 | 5.6 | 1.1 | 16 | 5 | 0* | 7.3 | 9.7 | -2.5 | 10 | 10 | 0* | 3.1 | 1.9 | 1.1 |
| 18 | 1 | 0 | 34.0 | 33.3 | .7 | 18 | 5 | 0 | 56.0 | 55.6 | .3 | 12 | 10 | 0* | 7.2 | 12.3 | -5.1 |
| 20 | 1 | 0 | 20.6 | 20.5 | .1 | 20 | 5 | 0 | 33.9 | 34.4 | -.5 | 14 | 10 | 0* | .0 | 2.0 | -2.0 |
| 22 | 1 | 0* | 14.6 | 23.3 | -8.8 | 22 | 5 | 0* | .0 | 21.3 | -21.3 | 2 | 11 | 0 | 84.8 | 84.3 | .4 |
| 24 | 1 | 0 | 23.4 | 23.2 | .2 | 0 | 6 | 0 | 331.6 | 338.8 | -7.2 | 4 | 11 | 0 | 23.2 | 22.7 | .5 |
| 0 | 2 | 0 | 13.7 | 17.7 | -4.0 | 2 | 6 | 0 | 21.2 | 21.0 | .2 | 6 | 11 | 0 | 95.8 | 94.5 | 1.3 |
| 2 | 2 | 0* | 4.3 | 3.8 | .5 | 4 | 6 | 0 | 42.9 | 44.2 | -1.3 | 8 | 11 | 0* | 3.7 | 1.9 | 1.8 |
| 4 | 2 | 0 | 183.3 | 178.2 | 5.1 | 6 | 6 | 0 | 20.4 | 20.3 | .1 | 10 | 11 | 0 | 23.0 | 21.5 | 1.5 |
| 6 | 2 | 0 | 19.4 | 19.3 | .0 | 8 | 6 | 0 | 84.1 | 84.3 | -.1 | 12 | 11 | 0* | 3.2 | 4.1 | -.9 |
| 8 | 2 | 0 | 78.0 | 78.8 | -.8 | 10 | 6 | 0 | 19.3 | 18.4 | .8 | 0 | 12 | 0 | 118.1 | 116.2 | 1.9 |
| 10 | 2 | 0 | 30.5 | 30.4 | .1 | 12 | 6 | 0 | 108.6 | 109.2 | -.5 | 2 | 12 | 0* | 7.8 | 8.1 | -.3 |
| 12 | 2 | 0* | 12.2 | 15.9 | -3.7 | 14 | 6 | 0 | 31.8 | 32.5 | -.7 | 4 | 12 | 0* | 9.4 | 12.0 | -2.6 |
| 14 | 2 | 0* | 2.4 | 1.9 | .5 | 16 | 6 | 0 | 69.3 | 69.7 | -.5 | 6 | 12 | 0 | 6.9 | 6.6 | .3 |
| 16 | 2 | 0 | 80.8 | 81.0 | -.3 | 18 | 6 | 0 | 14.7 | 14.9 | -.2 | 1 | 1 | 1 | 9.4 | 9.2 | .1 |
| 18 | 2 | 0 | 15.9 | 16.3 | -.3 | 20 | 6 | 0 | 137.7 | 138.2 | -.5 | 2 | 1 | 1 | 50.2 | 51.0 | -.8 |
| 20 | 2 | 0 | 23.9 | 25.7 | -1.7 | 22 | 6 | 0* | 5.3 | 5.0 | .3 | 3 | 1 | 1 | 14.5 | 13.9 | .6 |
| 22 | 2 | 0 | 20.8 | 20.8 | .0 | 2 | 7 | 0 | 32.7 | 33.7 | -1.0 | 4 | 1 | 1 | 55.6 | 55.3 | .3 |
| 24 | 2 | 0 | 41.3 | 41.3 | .0 | 4 | 7 | 0 | 47.4 | 47.2 | .2 | 5 | 1 | 1 | 96.9 | 96.0 | .8 |
| 2 | 3 | 0 | 22.0 | 21.7 | .4 | 6 | 7 | 0 | 24.8 | 26.0 | -1.1 | 6 | 1 | 1 | 66.4 | 67.2 | -.8 |
| 4 | 3 | 0 | 28.6 | 28.9 | -.3 | 8 | 7 | 0 | 8.0 | 8.3 | -.3 | 7 | 1 | 1 | 62.1 | 61.2 | .8 |
| 6 | 3 | 0 | 60.8 | 60.9 | -.1 | 10 | 7 | 0 | 96.9 | 96.3 | .6 | 8 | 1 | 1 | 48.9 | 48.8 | .1 |
| 8 | 3 | 0 | 5.4 | 5.5 | -.1 | 12 | 7 | 0 | 10.2 | 9.4 | .8 | 9 | 1 | 1* | 1.3 | 7.0 | -5.6 |
| 10 | 3 | 0 | 27.8 | 26.9 | 1.0 | 14 | 7 | 0 | 46.9 | 46.5 | .4 | 10 | 1 | 1 | 31.9 | 33.4 | -1.5 |
| 12 | 3 | 0 | 11.2 | 11.5 | -.3 | 16 | 7 | 0 | 21.1 | 21.6 | -.5 | 11 | 1 | 1 | 14.7 | 14.5 | .2 |
| 14 | 3 | 0 | 31.4 | 31.2 | .2 | 18 | 7 | 0* | 19.9 | 23.9 | -4.1 | 12 | 1 | 1 | 10.5 | 10.7 | -.2 |
| 16 | 3 | 0 | 12.6 | 12.1 | .6 | 20 | 7 | 0* | 5.0 | 4.6 | .4 | 13 | 1 | 1 | 36.5 | 37.2 | -.7 |
| 18 | 3 | 0* | 12.4 | 21.7 | -9.3 | 0 | 8 | 0 | 43.5 | 43.8 | -.2 | 14 | 1 | 1 | 53.7 | 54.7 | -1.0 |
| 20 | 3 | 0 | 7.2 | 7.0 | .2 | 2 | 8 | 0 | 31.0 | 31.5 | -.4 | 15 | 1 | 1 | 35.4 | 36.7 | -1.2 |
| 22 | 3 | 0 | 17.0 | 19.5 | -2.5 | 4 | 8 | 0 | 74.8 | 73.5 | 1.3 | 16 | 1 | 1 | 38.2 | 39.1 | -.8 |
| 24 | 3 | 0* | .0 | 4.4 | -4.4 | 6 | 8 | 0* | 1.5 | 1.9 | -.4 | 17 | 1 | 1 | 12.3 | 11.8 | .4 |
| 0 | 4 | 0 | 37.7 | 39.9 | -2.2 | 8 | 8 | 0 | 26.0 | 24.8 | 1.2 | 18 | 1 | 1 | 16.8 | 16.5 | .2 |

Note: the F_o values were corrected by subtracting the calculated contribution of the monoclinic phase, see text;

* = unobserved reflections with $I > 3\sigma I$

| h | k | l | /Fo/ | /Fc/ | DF | h | k | l | /Fo/ | /Fc/ | DF | h | k | l | /Fo/ | /Fc/ | DF |
|----|---|----|-------|-------|------|----|---|----|------|------|------|----|---|----|------|------|------|
| 19 | 1 | 1* | 8.6 | 10.7 | -2.1 | 18 | 3 | 1 | 55.9 | 56.3 | -.4 | 19 | 5 | 1* | 4.8 | 6.7 | -1.9 |
| 20 | 1 | 1* | 7.5 | 7.0 | .4 | 19 | 3 | 1* | 30.1 | 30.8 | -.7 | 20 | 5 | 1* | 5.4 | 5.1 | .3 |
| 21 | 1 | 1 | 28.9 | 31.3 | -2.4 | 20 | 3 | 1 | 17.3 | 16.6 | .7 | 21 | 5 | 1 | 33.8 | 34.1 | -.3 |
| 22 | 1 | 1* | 7.1 | 1.5 | 5.6 | 21 | 3 | 1 | 63.0 | 63.9 | -.9 | 22 | 5 | 1* | 5.1 | 2.8 | 2.3 |
| 23 | 1 | 1* | 10.8 | 10.4 | .4 | 22 | 3 | 1 | 84.6 | 84.5 | .2 | 23 | 5 | 1 | 7.6 | 8.1 | -.5 |
| 24 | 1 | 1* | 6.0 | 5.2 | .9 | 23 | 3 | 1 | 16.9 | 18.4 | -1.5 | 0 | 6 | 1 | 36.4 | 36.2 | .1 |
| 25 | 1 | 1 | 19.6 | 20.2 | -.6 | 24 | 3 | 1 | 33.5 | 32.8 | .7 | 1 | 6 | 1 | 31.0 | 31.2 | -.2 |
| 0 | 2 | 1 | 23.9 | 24.8 | -.8 | 0 | 4 | 1* | 3.6 | 2.5 | 1.1 | 2 | 6 | 1 | 5.8 | 6.0 | -.2 |
| 1 | 2 | 1 | 56.6 | 55.5 | 1.0 | 1 | 4 | 1 | 73.2 | 73.3 | -.1 | 3 | 6 | 1 | 20.5 | 20.8 | -.3 |
| 2 | 2 | 1 | 132.3 | 128.5 | 3.8 | 2 | 4 | 1 | 83.5 | 83.1 | .5 | 4 | 6 | 1 | 6.5 | 6.9 | -.4 |
| 3 | 2 | 1 | 119.3 | 116.1 | 3.2 | 3 | 4 | 1 | 26.4 | 26.9 | -.5 | 5 | 6 | 1 | 14.2 | 12.4 | 1.8 |
| 4 | 2 | 1 | 108.8 | 107.8 | 1.0 | 4 | 4 | 1 | 29.4 | 29.0 | .4 | 6 | 6 | 1 | 9.6 | 9.7 | -.1 |
| 5 | 2 | 1 | 104.9 | 103.7 | 1.2 | 5 | 4 | 1 | 68.1 | 67.6 | .5 | 7 | 6 | 1 | 22.0 | 21.6 | .4 |
| 6 | 2 | 1 | 14.0 | 13.2 | .8 | 6 | 4 | 1 | 25.0 | 24.5 | .6 | 8 | 6 | 1* | .0 | 1.9 | -1.9 |
| 7 | 2 | 1 | 73.1 | 73.4 | -.3 | 7 | 4 | 1 | 24.6 | 24.0 | .6 | 9 | 6 | 1* | 8.5 | 2.3 | 6.2 |
| 8 | 2 | 1 | 76.6 | 77.8 | -1.3 | 8 | 4 | 1 | 16.1 | 16.1 | .1 | 10 | 6 | 1 | 9.4 | 9.6 | -.3 |
| 9 | 2 | 1 | 20.6 | 20.4 | .2 | 9 | 4 | 1* | 15.4 | 13.2 | 2.2 | 11 | 6 | 1 | 20.2 | 19.8 | .5 |
| 10 | 2 | 1 | 27.8 | 27.8 | .0 | 10 | 4 | 1 | 5.8 | 6.3 | -.6 | 12 | 6 | 1 | 28.1 | 28.5 | -.4 |
| 11 | 2 | 1 | 30.0 | 30.7 | -.6 | 11 | 4 | 1* | .0 | 1.2 | -1.2 | 13 | 6 | 1* | 6.2 | 6.3 | -.1 |
| 12 | 2 | 1 | 46.2 | 47.6 | -1.4 | 12 | 4 | 1* | 3.2 | .1 | 3.1 | 14 | 6 | 1 | 13.9 | 14.9 | -.9 |
| 13 | 2 | 1 | 45.7 | 46.5 | -.8 | 13 | 4 | 1* | 9.8 | 9.6 | .2 | 15 | 6 | 1* | 4.1 | 4.0 | .1 |
| 14 | 2 | 1 | 9.8 | 8.9 | .9 | 14 | 4 | 1 | 27.1 | 28.0 | -.9 | 16 | 6 | 1 | 9.0 | 9.9 | -.9 |
| 15 | 2 | 1 | 40.1 | 39.8 | .3 | 15 | 4 | 1* | .0 | 1.5 | -1.5 | 17 | 6 | 1* | 10.9 | 8.5 | 2.4 |
| 16 | 2 | 1 | 62.8 | 62.5 | .4 | 16 | 4 | 1 | 34.4 | 33.9 | .4 | 18 | 6 | 1* | .0 | .4 | -.4 |
| 17 | 2 | 1 | 47.0 | 46.0 | .9 | 17 | 4 | 1 | 26.2 | 26.2 | .0 | 19 | 6 | 1* | 13.1 | 13.2 | -.1 |
| 18 | 2 | 1 | 43.5 | 42.0 | 1.4 | 18 | 4 | 1 | 28.9 | 29.1 | -.2 | 20 | 6 | 1* | 7.4 | 7.2 | .2 |
| 19 | 2 | 1* | 3.0 | .6 | 2.4 | 19 | 4 | 1* | 24.9 | 24.6 | .3 | 21 | 6 | 1* | 7.6 | 10.2 | -2.5 |
| 20 | 2 | 1* | 4.5 | 4.4 | .1 | 20 | 4 | 1 | 23.3 | 24.0 | -.7 | 22 | 6 | 1* | 8.8 | 8.9 | -.1 |
| 21 | 2 | 1 | 27.0 | 26.1 | .8 | 21 | 4 | 1* | 26.4 | 26.4 | -.1 | 1 | 7 | 1* | .0 | .8 | -.8 |
| 22 | 2 | 1 | 49.9 | 45.2 | 4.7 | 22 | 4 | 1 | 42.4 | 41.1 | 1.4 | 2 | 7 | 1 | 13.0 | 13.9 | -.8 |
| 23 | 2 | 1* | 53.5 | 60.3 | -6.8 | 23 | 4 | 1 | 34.5 | 34.2 | .2 | 3 | 7 | 1 | 23.0 | 24.1 | -1.1 |
| 24 | 2 | 1 | 46.5 | 44.9 | 1.6 | 24 | 4 | 1 | 16.4 | 16.5 | -.1 | 4 | 7 | 1 | 23.2 | 23.6 | -.5 |
| 25 | 2 | 1* | 41.1 | 43.5 | -2.4 | 1 | 5 | 1 | 5.0 | 4.6 | .4 | 5 | 7 | 1 | 46.9 | 47.7 | -.7 |
| 1 | 3 | 1 | 150.5 | 148.6 | 1.9 | 2 | 5 | 1 | 65.3 | 65.9 | -.6 | 6 | 7 | 1 | 38.9 | 38.9 | .0 |
| 2 | 3 | 1 | 103.5 | 103.4 | .1 | 3 | 5 | 1 | 35.4 | 35.7 | -.3 | 7 | 7 | 1 | 23.8 | 24.6 | -.7 |
| 3 | 3 | 1 | 9.3 | 8.3 | 1.0 | 4 | 5 | 1 | 33.0 | 33.3 | -.3 | 8 | 7 | 1 | 38.8 | 38.9 | -.1 |
| 4 | 3 | 1 | 47.6 | 48.4 | -.8 | 5 | 5 | 1 | 63.3 | 63.9 | -.7 | 9 | 7 | 1 | 43.3 | 42.6 | .7 |
| 5 | 3 | 1 | 132.3 | 132.6 | -.4 | 6 | 5 | 1 | 43.7 | 44.9 | -1.1 | 10 | 7 | 1 | 7.3 | 7.4 | .0 |
| 6 | 3 | 1 | 154.4 | 155.5 | -1.1 | 7 | 5 | 1 | 51.8 | 51.8 | .0 | 11 | 7 | 1 | 20.4 | 20.5 | -.1 |
| 7 | 3 | 1 | 29.5 | 28.2 | 1.3 | 8 | 5 | 1 | 31.4 | 31.9 | -.5 | 12 | 7 | 1 | 28.1 | 28.6 | -.4 |
| 8 | 3 | 1 | 70.2 | 70.0 | .2 | 9 | 5 | 1 | 37.2 | 37.8 | -.6 | 13 | 7 | 1 | 21.9 | 22.6 | -.7 |
| 9 | 3 | 1 | 131.9 | 133.3 | -1.3 | 10 | 5 | 1 | 30.5 | 31.8 | -1.3 | 14 | 7 | 1* | 1.7 | 2.5 | -.8 |
| 10 | 3 | 1 | 182.8 | 184.0 | -1.2 | 11 | 5 | 1* | 5.5 | 1.7 | 3.8 | 15 | 7 | 1 | 21.1 | 21.2 | -.1 |
| 11 | 3 | 1 | 187.3 | 186.9 | .4 | 12 | 5 | 1* | 3.1 | 2.1 | .9 | 16 | 7 | 1 | 28.1 | 28.6 | -.5 |
| 12 | 3 | 1 | 139.7 | 140.5 | -.9 | 13 | 5 | 1 | 24.4 | 24.6 | -.1 | 17 | 7 | 1* | 1.6 | 2.5 | -.9 |
| 13 | 3 | 1* | .0 | 9.0 | -9.0 | 14 | 5 | 1 | 64.4 | 65.1 | -.7 | 18 | 7 | 1* | 14.9 | 6.0 | 8.9 |
| 14 | 3 | 1 | 38.6 | 38.9 | -.3 | 15 | 5 | 1 | 27.0 | 28.5 | -1.4 | 19 | 7 | 1* | 29.9 | 28.2 | 1.7 |
| 15 | 3 | 1* | 7.6 | 4.9 | 2.7 | 16 | 5 | 1 | 24.8 | 25.7 | -.9 | 20 | 7 | 1* | 6.3 | 4.4 | 1.9 |
| 16 | 3 | 1 | 14.7 | 14.8 | -.1 | 17 | 5 | 1 | 9.5 | 11.4 | -1.9 | 21 | 7 | 1* | 5.0 | 7.6 | -2.6 |
| 17 | 3 | 1 | 79.6 | 80.5 | -.9 | 18 | 5 | 1 | 17.9 | 17.7 | .2 | 0 | 8 | 1* | 7.9 | 3.4 | 4.6 |

| h | k | l | /Fo/ | /Fc/ | DF | h | k | l | /Fo/ | /Fc/ | DF | h | k | l | /Fo/ | /Fc/ | DF |
|----|----|----|-------|-------|------|----|----|----|-------|-------|-------|----|---|----|-------|-------|------|
| 1 | 8 | 1 | 13.8 | 14.1 | -.3 | 14 | 10 | 1 | 24.3 | 23.9 | .4 | 6 | 1 | 2 | 15.3 | 15.6 | -.3 |
| 2 | 8 | 1 | 71.5 | 71.6 | -.1 | 15 | 10 | 1 | 9.8 | 8.8 | 1.0 | 7 | 1 | 2 | 13.7 | 14.4 | -.6 |
| 3 | 8 | 1 | 111.7 | 110.4 | 1.3 | 1 | 11 | 1 | 6.5 | 5.8 | .8 | 8 | 1 | 2 | 72.2 | 72.2 | -.1 |
| 4 | 8 | 1 | 98.1 | 97.6 | .4 | 2 | 11 | 1 | 15.3 | 15.0 | .3 | 9 | 1 | 2 | 50.9 | 51.7 | -.9 |
| 5 | 8 | 1 | 63.6 | 62.9 | .7 | 3 | 11 | 1* | 12.0 | 4.4 | 7.6 | 10 | 1 | 2* | 4.3 | 2.4 | 1.9 |
| 6 | 8 | 1 | 17.9 | 18.1 | -.2 | 4 | 11 | 1* | 2.2 | 1.3 | .9 | 11 | 1 | 2 | 90.1 | 89.8 | .2 |
| 7 | 8 | 1 | 44.3 | 44.6 | -.3 | 5 | 11 | 1 | 31.7 | 31.3 | .3 | 12 | 1 | 2 | 120.5 | 122.7 | -2.2 |
| 8 | 8 | 1 | 96.0 | 96.3 | -.2 | 6 | 11 | 1 | 34.9 | 35.3 | -.4 | 13 | 1 | 2 | 23.3 | 23.3 | .0 |
| 9 | 8 | 1 | 28.2 | 27.8 | .3 | 7 | 11 | 1 | 20.6 | 20.6 | .0 | 14 | 1 | 2 | 6.2 | 5.6 | .7 |
| 10 | 8 | 1 | 17.5 | 18.4 | -.9 | 8 | 11 | 1* | 5.4 | 6.2 | -.7 | 15 | 1 | 2* | 6.0 | 3.0 | 3.0 |
| 11 | 8 | 1 | 19.5 | 19.7 | -.2 | 9 | 11 | 1* | 16.3 | 15.6 | .7 | 16 | 1 | 2* | 49.1 | 54.0 | -5.0 |
| 12 | 8 | 1 | 35.7 | 35.3 | .4 | 10 | 11 | 1 | 12.9 | 12.2 | .6 | 17 | 1 | 2 | 66.6 | 66.8 | -.2 |
| 13 | 8 | 1 | 52.2 | 50.9 | 1.2 | 11 | 11 | 1 | 17.7 | 17.3 | .5 | 18 | 1 | 2* | 9.7 | 11.2 | -1.6 |
| 14 | 8 | 1* | .0 | 2.2 | -2.2 | 0 | 12 | 1* | .0 | .3 | -.3 | 19 | 1 | 2* | 5.6 | 2.8 | 2.8 |
| 15 | 8 | 1 | 52.6 | 53.4 | -.8 | 1 | 12 | 1 | 19.5 | 19.2 | .2 | 20 | 1 | 2* | 11.4 | 14.6 | -3.2 |
| 16 | 8 | 1 | 46.6 | 46.2 | .4 | 2 | 12 | 1 | 17.8 | 18.2 | -.4 | 21 | 1 | 2* | .0 | 3.4 | -3.4 |
| 17 | 8 | 1 | 31.6 | 30.4 | 1.2 | 3 | 12 | 1* | 9.3 | 6.6 | 2.7 | 22 | 1 | 2 | 15.6 | 16.5 | -.9 |
| 18 | 8 | 1 | 39.6 | 38.3 | 1.3 | 4 | 12 | 1 | 9.0 | 8.7 | .3 | 23 | 1 | 2 | 43.3 | 42.2 | 1.1 |
| 19 | 8 | 1 | 15.5 | 16.9 | -1.3 | 5 | 12 | 1* | 14.2 | 5.6 | 8.6 | 24 | 1 | 2* | 17.7 | 25.0 | -7.2 |
| 1 | 9 | 1 | 45.8 | 44.8 | 1.0 | 6 | 12 | 1* | 5.7 | 4.2 | 1.5 | 0 | 2 | 2* | 4.9 | 5.3 | -.4 |
| 2 | 9 | 1 | 60.9 | 60.7 | .2 | 0 | 0 | 2 | 28.5 | 28.0 | .5 | 1 | 2 | 2 | 30.2 | 31.2 | -1.0 |
| 3 | 9 | 1 | 16.9 | 16.2 | .7 | 1 | 0 | 2 | 63.7 | 65.6 | -1.8 | 2 | 2 | 2 | 6.0 | 3.6 | 2.4 |
| 4 | 9 | 1* | 7.0 | 4.7 | 2.3 | 2 | 0 | 2 | 191.9 | 187.4 | 4.5 | 3 | 2 | 2 | 72.9 | 73.5 | -.6 |
| 5 | 9 | 1 | 25.0 | 24.6 | .5 | 3 | 0 | 2 | 128.4 | 127.8 | .6 | 4 | 2 | 2 | 20.6 | 20.8 | -.2 |
| 6 | 9 | 1 | 22.8 | 21.1 | 1.6 | 4 | 0 | 2 | 15.6 | 14.8 | .8 | 5 | 2 | 2 | 25.4 | 26.9 | -1.5 |
| 7 | 9 | 1* | 5.9 | 6.8 | -.9 | 5 | 0 | 2 | 204.0 | 202.8 | 1.2 | 6 | 2 | 2 | 64.3 | 63.9 | .4 |
| 8 | 9 | 1 | 41.1 | 41.8 | -.7 | 6 | 0 | 2 | 25.0 | 12.1 | 12.9 | 7 | 2 | 2 | 94.7 | 95.0 | -.3 |
| 9 | 9 | 1 | 75.8 | 75.8 | .1 | 7 | 0 | 2 | 141.0 | 141.9 | -.9 | 8 | 2 | 2 | 21.0 | 21.5 | -.5 |
| 10 | 9 | 1 | 77.1 | 76.9 | .2 | 8 | 0 | 2* | 5.6 | 1.8 | 3.8 | 9 | 2 | 2 | 70.0 | 70.6 | -.6 |
| 11 | 9 | 1 | 79.6 | 78.7 | .9 | 9 | 0 | 2 | 145.7 | 146.7 | -1.0 | 10 | 2 | 2* | 38.2 | 34.7 | 3.6 |
| 12 | 9 | 1 | 78.3 | 76.9 | 1.3 | 10 | 0 | 2* | 18.4 | 19.8 | -1.4 | 11 | 2 | 2 | 15.8 | 16.5 | -.7 |
| 13 | 9 | 1 | 13.7 | 14.7 | -1.0 | 11 | 0 | 2 | 204.0 | 203.2 | .9 | 12 | 2 | 2 | 12.7 | 12.8 | -.1 |
| 14 | 9 | 1 | 26.1 | 26.7 | -.6 | 12 | 0 | 2 | 29.5 | 29.4 | .0 | 13 | 2 | 2 | 41.8 | 42.8 | -1.1 |
| 15 | 9 | 1* | 12.7 | 8.7 | 4.1 | 13 | 0 | 2 | 29.0 | 29.1 | -.1 | 14 | 2 | 2* | 25.2 | 24.0 | 1.2 |
| 16 | 9 | 1 | 18.9 | 19.7 | -.8 | 14 | 0 | 2* | 12.3 | 6.0 | 6.3 | 15 | 2 | 2 | 50.9 | 51.5 | -.6 |
| 17 | 9 | 1 | 26.0 | 26.3 | -.2 | 15 | 0 | 2 | 61.4 | 61.2 | .2 | 16 | 2 | 2 | 8.3 | 8.8 | -.5 |
| 0 | 10 | 1 | 53.7 | 53.6 | .1 | 16 | 0 | 2* | .0 | 4.7 | -4.7 | 17 | 2 | 2 | 22.9 | 22.6 | .3 |
| 1 | 10 | 1 | 50.9 | 49.8 | 1.0 | 17 | 0 | 2 | 80.7 | 81.1 | -.4 | 18 | 2 | 2 | 49.2 | 48.9 | .3 |
| 2 | 10 | 1 | 28.8 | 28.3 | .5 | 18 | 0 | 2* | 33.2 | 43.6 | -10.4 | 19 | 2 | 2 | 55.0 | 54.0 | 1.0 |
| 3 | 10 | 1* | .0 | 3.9 | -3.9 | 19 | 0 | 2 | 36.0 | 36.7 | -.7 | 20 | 2 | 2 | 11.9 | 12.0 | -.1 |
| 4 | 10 | 1* | 5.2 | 4.0 | 1.3 | 20 | 0 | 2* | 8.1 | 7.8 | .3 | 21 | 2 | 2 | 21.6 | 21.2 | .3 |
| 5 | 10 | 1* | 5.5 | 4.6 | .9 | 21 | 0 | 2 | 32.9 | 31.6 | 1.3 | 22 | 2 | 2* | 15.9 | 20.3 | -4.4 |
| 6 | 10 | 1 | 19.9 | 20.0 | -.1 | 22 | 0 | 2* | 81.5 | 96.3 | -14.9 | 23 | 2 | 2* | 6.4 | 6.5 | -.1 |
| 7 | 10 | 1 | 9.3 | 10.9 | -1.6 | 23 | 0 | 2 | 120.8 | 118.9 | 1.9 | 24 | 2 | 2* | 2.1 | 3.0 | -.9 |
| 8 | 10 | 1 | 20.8 | 20.8 | .0 | 24 | 0 | 2* | .0 | 9.9 | -9.9 | 1 | 3 | 2 | 18.3 | 18.9 | -.6 |
| 9 | 10 | 1 | 11.5 | 12.1 | -.5 | 1 | 1 | 2 | 16.8 | 17.7 | -.9 | 2 | 3 | 2* | 3.8 | 1.4 | 2.5 |
| 10 | 10 | 1 | 9.5 | 10.9 | -1.4 | 2 | 1 | 2 | 13.4 | 13.6 | -.2 | 3 | 3 | 2 | 25.3 | 24.9 | .4 |
| 11 | 10 | 1 | 26.7 | 26.6 | .1 | 3 | 1 | 2 | 25.8 | 25.4 | .4 | 4 | 3 | 2 | 36.6 | 35.0 | 1.6 |
| 12 | 10 | 1 | 38.0 | 37.6 | .4 | 4 | 1 | 2 | 39.7 | 40.5 | -.8 | 5 | 3 | 2 | 34.9 | 35.0 | -.1 |
| 13 | 10 | 1* | 6.6 | 3.9 | 2.7 | 5 | 1 | 2 | 84.3 | 84.4 | -.1 | 6 | 3 | 2 | 9.6 | 10.0 | -.5 |

| h | k | l | /Fo/ | /Fc/ | DF | h | k | l | /Fo/ | /Fc/ | DF | h | k | l | /Fo/ | /Fc/ | DF |
|----|---|----|-------|-------|------|----|---|----|-------|-------|-------|----|----|----|------|------|------|
| 7 | 3 | 2 | 20.5 | 20.3 | .2 | 9 | 5 | 2 | 120.6 | 121.6 | -1.0 | 15 | 7 | 2* | 5.8 | 3.2 | 2.6 |
| 8 | 3 | 2 | 17.5 | 17.4 | .2 | 10 | 5 | 2* | 3.7 | .1 | 3.7 | 16 | 7 | 2 | 23.0 | 23.6 | -.5 |
| 9 | 3 | 2 | 8.4 | 8.2 | .2 | 11 | 5 | 2 | 75.0 | 75.3 | -.4 | 17 | 7 | 2* | 5.8 | 6.4 | -.6 |
| 10 | 3 | 2* | 5.9 | 5.1 | .8 | 12 | 5 | 2 | 95.2 | 96.5 | -1.3 | 18 | 7 | 2* | .0 | 3.4 | -3.4 |
| 11 | 3 | 2 | 16.7 | 16.9 | -.2 | 13 | 5 | 2 | 34.2 | 33.9 | .3 | 19 | 7 | 2 | 13.4 | 14.6 | -1.2 |
| 12 | 3 | 2 | 9.9 | 3.7 | 6.2 | 14 | 5 | 2 | 9.4 | 9.9 | -.4 | 20 | 7 | 2* | .0 | 2.8 | -2.8 |
| 13 | 3 | 2 | 8.4 | 8.8 | -.4 | 15 | 5 | 2 | 33.5 | 33.3 | .3 | 0 | 8 | 2* | 3.5 | 1.6 | 2.0 |
| 14 | 3 | 2* | 3.0 | .5 | 2.5 | 16 | 5 | 2 | 31.8 | 31.6 | .1 | 1 | 8 | 2 | 37.2 | 37.3 | -.1 |
| 15 | 3 | 2 | 7.5 | 8.0 | -.5 | 17 | 5 | 2 | 67.0 | 66.6 | .4 | 2 | 8 | 2* | 12.9 | 10.1 | 2.8 |
| 16 | 3 | 2 | 8.5 | 5.1 | 3.4 | 18 | 5 | 2 | 14.5 | 15.1 | -.6 | 3 | 8 | 2 | 31.6 | 31.6 | .0 |
| 17 | 3 | 2 | 16.4 | 16.7 | -.2 | 19 | 5 | 2* | 20.8 | 21.5 | -.7 | 4 | 8 | 2 | 10.5 | 10.0 | .5 |
| 18 | 3 | 2* | 1.7 | 3.5 | -1.8 | 20 | 5 | 2* | 1.9 | 15.2 | -13.3 | 5 | 8 | 2 | 23.8 | 24.0 | -.2 |
| 19 | 3 | 2* | 7.6 | 6.9 | .7 | 21 | 5 | 2 | 16.5 | 17.3 | -.8 | 6 | 8 | 2 | 21.8 | 21.2 | .6 |
| 20 | 3 | 2* | 6.0 | 6.1 | -.1 | 22 | 5 | 2 | 19.2 | 20.4 | -1.2 | 7 | 8 | 2 | 39.7 | 39.4 | .3 |
| 21 | 3 | 2* | 6.1 | 6.8 | -.7 | 0 | 6 | 2* | 4.3 | 2.7 | 1.6 | 8 | 8 | 2* | .0 | .5 | -.5 |
| 22 | 3 | 2* | 6.8 | 4.7 | 2.0 | 1 | 6 | 2 | 12.7 | 13.2 | -.5 | 9 | 8 | 2 | 24.3 | 24.2 | .1 |
| 23 | 3 | 2 | 8.9 | 9.3 | -.4 | 2 | 6 | 2 | 140.2 | 140.9 | -.6 | 10 | 8 | 2* | 10.1 | 5.0 | 5.0 |
| 24 | 3 | 2* | 1.4 | 5.1 | -3.7 | 3 | 6 | 2 | 120.6 | 121.0 | -.4 | 11 | 8 | 2 | 24.9 | 25.2 | -.3 |
| 0 | 4 | 2 | 21.4 | 21.4 | .0 | 4 | 6 | 2 | 10.7 | 10.9 | -.2 | 12 | 8 | 2* | .0 | 1.6 | -1.6 |
| 1 | 4 | 2 | 52.3 | 52.8 | -.5 | 5 | 6 | 2 | 95.6 | 95.9 | -.3 | 13 | 8 | 2 | 36.1 | 35.9 | .2 |
| 2 | 4 | 2 | 66.8 | 66.8 | -.1 | 6 | 6 | 2* | 5.0 | 1.4 | 3.6 | 14 | 8 | 2 | 17.7 | 15.3 | 2.4 |
| 3 | 4 | 2 | 26.2 | 25.7 | .5 | 7 | 6 | 2 | 78.2 | 78.7 | -.5 | 15 | 8 | 2 | 34.4 | 34.7 | -.2 |
| 4 | 4 | 2* | 5.2 | 5.3 | -.1 | 8 | 6 | 2 | 12.2 | 11.9 | .3 | 16 | 8 | 2 | 8.4 | 8.8 | -.4 |
| 5 | 4 | 2 | 28.5 | 29.6 | -1.1 | 9 | 6 | 2 | 117.1 | 117.3 | -.2 | 17 | 8 | 2* | .0 | 2.3 | -2.3 |
| 6 | 4 | 2 | 42.0 | 41.6 | .3 | 10 | 6 | 2 | 32.3 | 33.1 | -.8 | 18 | 8 | 2 | 19.0 | 19.3 | -.3 |
| 7 | 4 | 2 | 57.9 | 58.9 | -.9 | 11 | 6 | 2 | 104.8 | 104.5 | .3 | 1 | 9 | 2 | 24.3 | 23.8 | .5 |
| 8 | 4 | 2 | 7.1 | 7.9 | -.8 | 12 | 6 | 2 | 14.1 | 13.5 | .6 | 2 | 9 | 2 | 13.3 | 13.8 | -.5 |
| 9 | 4 | 2* | 3.8 | .3 | 3.5 | 13 | 6 | 2 | 14.9 | 14.7 | .2 | 3 | 9 | 2* | 2.5 | 3.4 | -.9 |
| 10 | 4 | 2* | .6 | 5.5 | -4.9 | 14 | 6 | 2* | 4.8 | 2.9 | 1.9 | 4 | 9 | 2 | 12.9 | 13.2 | -.4 |
| 11 | 4 | 2 | 24.7 | 25.4 | -.6 | 15 | 6 | 2 | 37.9 | 39.3 | -1.4 | 5 | 9 | 2 | 9.2 | 8.8 | .4 |
| 12 | 4 | 2 | 6.1 | 5.4 | .7 | 16 | 6 | 2 | 11.5 | 11.8 | -.3 | 6 | 9 | 2* | 3.8 | 4.3 | -.5 |
| 13 | 4 | 2 | 21.0 | 22.0 | -1.0 | 17 | 6 | 2 | 40.3 | 40.6 | -.3 | 7 | 9 | 2 | 9.7 | 10.2 | -.5 |
| 14 | 4 | 2 | 24.7 | 26.0 | -1.2 | 18 | 6 | 2 | 20.9 | 21.6 | -.8 | 8 | 9 | 2 | 13.4 | 13.6 | -.2 |
| 15 | 4 | 2 | 19.5 | 20.1 | -.7 | 19 | 6 | 2 | 35.3 | 35.8 | -.5 | 9 | 9 | 2* | 3.5 | .5 | 3.0 |
| 16 | 4 | 2 | 9.3 | 10.4 | -1.1 | 20 | 6 | 2* | 13.4 | 13.3 | .1 | 10 | 9 | 2 | 11.1 | 10.3 | .8 |
| 17 | 4 | 2 | 9.8 | 10.3 | -.5 | 21 | 6 | 2 | 30.0 | 28.6 | 1.4 | 11 | 9 | 2* | 2.2 | 2.4 | -.1 |
| 18 | 4 | 2 | 31.6 | 31.9 | -.3 | 1 | 7 | 2 | 24.0 | 24.2 | -.3 | 12 | 9 | 2 | 14.1 | 15.3 | -1.2 |
| 19 | 4 | 2 | 23.4 | 23.3 | .1 | 2 | 7 | 2 | 7.6 | 8.5 | -.9 | 13 | 9 | 2 | 34.7 | 34.4 | .3 |
| 20 | 4 | 2* | 6.6 | 6.4 | .3 | 3 | 7 | 2 | 9.8 | 10.8 | -1.0 | 14 | 9 | 2 | 17.5 | 17.0 | .5 |
| 21 | 4 | 2* | 10.9 | 8.3 | 2.6 | 4 | 7 | 2 | 23.7 | 25.5 | -1.8 | 15 | 9 | 2 | 8.9 | 8.3 | .6 |
| 22 | 4 | 2* | 20.1 | 20.5 | -.4 | 5 | 7 | 2 | 14.9 | 16.2 | -1.3 | 16 | 9 | 2* | 11.0 | 10.5 | .5 |
| 23 | 4 | 2* | 4.5 | 3.5 | .9 | 6 | 7 | 2* | 3.3 | 1.0 | 2.3 | 0 | 10 | 2* | 7.1 | 5.8 | 1.3 |
| 1 | 5 | 2 | 35.4 | 36.9 | -1.5 | 7 | 7 | 2 | 43.4 | 43.8 | -.4 | 1 | 10 | 2* | 3.8 | .2 | 3.6 |
| 2 | 5 | 2 | 17.3 | 16.6 | .7 | 8 | 7 | 2 | 51.4 | 53.0 | -1.6 | 2 | 10 | 2 | 45.6 | 45.0 | .6 |
| 3 | 5 | 2 | 125.0 | 125.6 | -.6 | 9 | 7 | 2* | 4.2 | 3.5 | .8 | 3 | 10 | 2 | 35.5 | 35.7 | -.2 |
| 4 | 5 | 2* | 19.4 | 12.6 | 6.8 | 10 | 7 | 2* | 4.8 | 3.8 | 1.0 | 4 | 10 | 2* | 3.9 | .6 | 3.2 |
| 5 | 5 | 2 | 63.9 | 63.9 | .0 | 11 | 7 | 2 | 13.5 | 14.0 | -.5 | 5 | 10 | 2* | 3.8 | 3.4 | .3 |
| 6 | 5 | 2* | 5.1 | 4.7 | .4 | 12 | 7 | 2 | 58.5 | 58.3 | .2 | 6 | 10 | 2 | 26.4 | 26.2 | .2 |
| 7 | 5 | 2 | 37.8 | 38.4 | -.6 | 13 | 7 | 2 | 37.5 | 37.4 | .1 | 7 | 10 | 2 | 26.2 | 25.7 | .6 |
| 8 | 5 | 2 | 88.4 | 89.4 | -1.0 | 14 | 7 | 2* | 4.9 | 4.3 | .6 | 8 | 10 | 2 | 16.7 | 16.9 | -.1 |

| h | k | l | /Fo/ | /Fc/ | DF | h | k | l | /Fo/ | /Fc/ | DF | h | k | l | /Fo/ | /Fc/ | DF |
|----|----|----|-------|-------|------|----|---|----|-------|-------|------|----|---|----|------|------|------|
| 9 | 10 | 2* | 10.2 | 10.3 | -.1 | 8 | 2 | 3 | 36.6 | 36.9 | -.3 | 12 | 4 | 3 | 28.3 | 28.4 | -.1 |
| 10 | 10 | 2* | 12.8 | 2.2 | 10.6 | 9 | 2 | 3 | 15.8 | 16.1 | -.3 | 13 | 4 | 3 | 32.3 | 32.8 | -.5 |
| 11 | 10 | 2 | 17.4 | 18.5 | -1.1 | 10 | 2 | 3 | 23.1 | 22.9 | .2 | 14 | 4 | 3 | 8.9 | 10.3 | -1.4 |
| 12 | 10 | 2 | 11.0 | 12.4 | -1.4 | 11 | 2 | 3* | 5.1 | 5.0 | .2 | 15 | 4 | 3 | 18.4 | 17.9 | .4 |
| 13 | 10 | 2* | 5.5 | 4.0 | 1.4 | 12 | 2 | 3 | 59.4 | 59.3 | .1 | 16 | 4 | 3 | 9.6 | 9.3 | .3 |
| 1 | 11 | 2 | 13.9 | 13.3 | .5 | 13 | 2 | 3 | 65.7 | 66.1 | -.3 | 17 | 4 | 3* | 1.1 | 2.3 | -1.3 |
| 2 | 11 | 2* | 3.8 | 4.1 | -.3 | 14 | 2 | 3 | 11.9 | 11.9 | .0 | 18 | 4 | 3 | 8.3 | 7.9 | .4 |
| 3 | 11 | 2 | 74.6 | 73.3 | 1.4 | 15 | 2 | 3* | 54.9 | 55.6 | -.7 | 19 | 4 | 3* | 9.5 | 8.9 | .7 |
| 4 | 11 | 2* | 3.0 | 4.8 | -1.9 | 16 | 2 | 3 | 16.6 | 16.8 | -.2 | 20 | 4 | 3 | 35.1 | 34.4 | .7 |
| 5 | 11 | 2 | 49.7 | 49.9 | -.2 | 17 | 2 | 3 | 14.4 | 14.0 | .4 | 21 | 4 | 3* | 6.6 | 9.7 | -3.2 |
| 6 | 11 | 2* | 7.6 | 8.5 | -.8 | 18 | 2 | 3 | 14.2 | 13.1 | 1.1 | 22 | 4 | 3* | 15.7 | 15.2 | .6 |
| 7 | 11 | 2 | 39.4 | 39.2 | .1 | 19 | 2 | 3 | 45.1 | 49.5 | -4.4 | 1 | 5 | 3 | 33.2 | 33.1 | .1 |
| 8 | 11 | 2 | 52.3 | 51.4 | .9 | 20 | 2 | 3 | 73.4 | 69.5 | 4.0 | 2 | 5 | 3 | 67.0 | 67.5 | -.5 |
| 9 | 11 | 2 | 86.4 | 85.5 | .9 | 21 | 2 | 3* | 18.7 | 21.6 | -2.9 | 3 | 5 | 3 | 66.6 | 66.9 | -.3 |
| 10 | 11 | 2* | 4.8 | .2 | 4.6 | 22 | 2 | 3 | 9.0 | 8.6 | .3 | 4 | 5 | 3 | 16.4 | 16.8 | -.4 |
| 0 | 12 | 2* | 5.9 | 5.3 | .6 | 23 | 2 | 3 | 12.3 | 13.3 | -1.0 | 5 | 5 | 3 | 31.0 | 30.4 | .6 |
| 1 | 12 | 2* | 2.4 | 1.1 | 1.3 | 1 | 3 | 3 | 184.8 | 183.4 | 1.5 | 6 | 5 | 3 | 15.2 | 16.0 | -.8 |
| 2 | 12 | 2 | 64.3 | 63.3 | 1.0 | 2 | 3 | 3 | 112.5 | 112.3 | .2 | 7 | 5 | 3* | 5.0 | 3.0 | 2.0 |
| 3 | 12 | 2 | 46.2 | 46.3 | -.1 | 3 | 3 | 3 | 36.0 | 36.4 | -.4 | 8 | 5 | 3 | 5.1 | 4.8 | .3 |
| 1 | 1 | 3 | 30.1 | 30.8 | -.6 | 4 | 3 | 3 | 27.0 | 25.9 | 1.0 | 9 | 5 | 3 | 39.7 | 40.3 | -.7 |
| 2 | 1 | 3 | 65.5 | 65.6 | -.1 | 5 | 3 | 3 | 75.9 | 76.7 | -.8 | 10 | 5 | 3 | 41.3 | 41.9 | -.6 |
| 3 | 1 | 3 | 67.7 | 68.3 | -.5 | 6 | 3 | 3 | 128.4 | 130.5 | -2.1 | 11 | 5 | 3 | 13.9 | 14.1 | -.1 |
| 4 | 1 | 3* | 3.9 | 1.4 | 2.5 | 7 | 3 | 3 | 73.7 | 73.5 | .2 | 12 | 5 | 3* | .0 | .2 | -.2 |
| 5 | 1 | 3 | 42.4 | 42.7 | -.3 | 8 | 3 | 3 | 10.9 | 10.4 | .5 | 13 | 5 | 3 | 23.7 | 23.7 | .0 |
| 6 | 1 | 3 | 28.7 | 28.0 | .7 | 9 | 3 | 3 | 12.1 | 10.7 | 1.5 | 14 | 5 | 3 | 26.3 | 25.8 | .5 |
| 7 | 1 | 3 | 15.0 | 15.7 | -.7 | 10 | 3 | 3 | 34.8 | 35.4 | -.7 | 15 | 5 | 3 | 35.6 | 35.0 | .6 |
| 8 | 1 | 3 | 10.5 | 10.4 | .1 | 11 | 3 | 3 | 27.6 | 27.8 | -.1 | 16 | 5 | 3 | 14.3 | 13.7 | .7 |
| 9 | 1 | 3 | 46.7 | 46.3 | .4 | 12 | 3 | 3 | 34.4 | 33.3 | 1.1 | 17 | 5 | 3 | 39.2 | 39.0 | .1 |
| 10 | 1 | 3 | 57.2 | 57.2 | .0 | 13 | 3 | 3 | 115.0 | 115.3 | -.3 | 18 | 5 | 3 | 27.2 | 28.0 | -.8 |
| 11 | 1 | 3 | 24.8 | 23.3 | 1.5 | 14 | 3 | 3 | 137.5 | 136.4 | 1.0 | 19 | 5 | 3* | 7.3 | 9.3 | -1.9 |
| 12 | 1 | 3* | 1.9 | 1.7 | .2 | 15 | 3 | 3 | 61.6 | 61.5 | .1 | 20 | 5 | 3* | 5.3 | .7 | 4.5 |
| 13 | 1 | 3* | 7.0 | 5.8 | 1.2 | 16 | 3 | 3 | 15.3 | 16.7 | -1.3 | 21 | 5 | 3* | 12.0 | 12.6 | -.6 |
| 14 | 1 | 3* | .9 | 1.4 | -.5 | 17 | 3 | 3 | 44.8 | 45.3 | -.5 | 0 | 6 | 3 | 8.6 | 9.9 | -1.3 |
| 15 | 1 | 3 | 25.0 | 24.9 | .1 | 18 | 3 | 3 | 56.9 | 57.3 | -.3 | 1 | 6 | 3 | 15.5 | 15.2 | .3 |
| 16 | 1 | 3 | 12.5 | 12.2 | .3 | 19 | 3 | 3 | 55.8 | 55.7 | .1 | 2 | 6 | 3 | 26.7 | 26.5 | .3 |
| 17 | 1 | 3 | 49.8 | 51.6 | -1.8 | 20 | 3 | 3 | 16.8 | 16.0 | .8 | 3 | 6 | 3 | 22.1 | 18.9 | 3.1 |
| 18 | 1 | 3 | 30.9 | 32.0 | -1.0 | 21 | 3 | 3 | 78.3 | 76.5 | 1.8 | 4 | 6 | 3 | 16.3 | 16.7 | -.4 |
| 19 | 1 | 3* | .0 | 2.9 | -2.9 | 22 | 3 | 3 | 26.9 | 25.7 | 1.2 | 5 | 6 | 3 | 9.1 | 8.7 | .4 |
| 20 | 1 | 3* | 5.5 | 5.2 | .3 | 0 | 4 | 3 | 121.5 | 121.9 | -.4 | 6 | 6 | 3 | 6.6 | 7.6 | -1.0 |
| 21 | 1 | 3* | 7.6 | 9.5 | -2.0 | 1 | 4 | 3 | 45.5 | 46.2 | -.8 | 7 | 6 | 3* | 3.4 | .2 | 3.3 |
| 22 | 1 | 3* | 6.4 | 7.9 | -1.6 | 2 | 4 | 3 | 10.2 | 10.0 | .2 | 8 | 6 | 3 | 10.8 | 11.4 | -.6 |
| 23 | 1 | 3* | 1.4 | 2.7 | -1.3 | 3 | 4 | 3 | 45.8 | 46.5 | -.7 | 9 | 6 | 3* | 6.2 | 5.8 | .4 |
| 0 | 2 | 3 | 200.9 | 199.1 | 1.8 | 4 | 4 | 3 | 50.4 | 51.0 | -.5 | 10 | 6 | 3 | 12.1 | 12.1 | .0 |
| 1 | 2 | 3 | 107.5 | 107.0 | .5 | 5 | 4 | 3 | 16.4 | 16.1 | .3 | 11 | 6 | 3* | 23.3 | 21.1 | 2.2 |
| 2 | 2 | 3 | 7.1 | 5.9 | 1.2 | 6 | 4 | 3 | 9.1 | 8.8 | .3 | 12 | 6 | 3 | 10.5 | 11.8 | -1.3 |
| 3 | 2 | 3 | 8.0 | 8.8 | -.8 | 7 | 4 | 3 | 25.4 | 26.6 | -1.2 | 13 | 6 | 3* | 4.9 | 4.7 | .2 |
| 4 | 2 | 3 | 14.7 | 13.9 | .8 | 8 | 4 | 3* | 4.7 | 2.4 | 2.3 | 14 | 6 | 3* | .0 | 1.8 | -1.8 |
| 5 | 2 | 3 | 37.9 | 39.2 | -1.4 | 9 | 4 | 3 | 36.2 | 36.8 | -.6 | 15 | 6 | 3* | 7.9 | 8.6 | -.7 |
| 6 | 2 | 3 | 18.0 | 18.4 | -.4 | 10 | 4 | 3 | 27.4 | 27.2 | .2 | 16 | 6 | 3 | 17.5 | 16.3 | 1.1 |
| 7 | 2 | 3 | 72.1 | 72.9 | -.8 | 11 | 4 | 3 | 26.3 | 24.1 | 2.1 | 17 | 6 | 3 | 15.6 | 15.3 | .3 |

| h | k | l | /Fo/ | /Fc/ | DF | h | k | l | /Fo/ | /Fc/ | DF | h | k | l | /Fo/ | /Fc/ | DF |
|----|---|----|-------|-------|------|----|----|----|-------|-------|-------|----|---|----|------|------|------|
| 18 | 6 | 3 | 10.4 | 11.3 | -.9 | 13 | 9 | 3 | 72.2 | 71.3 | .9 | 9 | 1 | 4 | 27.0 | 27.8 | -.8 |
| 19 | 6 | 3* | 2.6 | 3.1 | -.5 | 14 | 9 | 3 | 85.0 | 84.0 | 1.0 | 10 | 1 | 4 | 78.0 | 77.8 | .2 |
| 20 | 6 | 3 | 10.1 | 10.9 | -.9 | 0 | 10 | 3 | 24.5 | 24.3 | .2 | 11 | 1 | 4 | 64.5 | 66.1 | -1.6 |
| 1 | 7 | 3 | 12.5 | 12.2 | .3 | 1 | 10 | 3 | 14.8 | 15.6 | -.8 | 12 | 1 | 4 | 8.9 | 8.6 | .3 |
| 2 | 7 | 3 | 9.3 | 9.4 | .0 | 2 | 10 | 3* | 4.6 | 4.3 | .3 | 13 | 1 | 4 | 12.6 | 12.3 | .3 |
| 3 | 7 | 3 | 20.4 | 20.5 | .0 | 3 | 10 | 3 | 37.4 | 36.5 | .9 | 14 | 1 | 4* | 10.9 | 12.0 | -1.1 |
| 4 | 7 | 3 | 22.1 | 22.1 | .0 | 4 | 10 | 3 | 43.1 | 43.4 | -.3 | 15 | 1 | 4 | 31.2 | 31.8 | -.6 |
| 5 | 7 | 3 | 21.0 | 22.1 | -1.1 | 5 | 10 | 3* | 4.1 | 4.7 | -.6 | 16 | 1 | 4* | 5.9 | 5.2 | .7 |
| 6 | 7 | 3 | 29.2 | 28.8 | .3 | 6 | 10 | 3* | 4.6 | 5.9 | -1.3 | 17 | 1 | 4* | .0 | 4.7 | -4.7 |
| 7 | 7 | 3 | 17.7 | 18.1 | -.4 | 7 | 10 | 3* | 8.9 | 5.9 | 3.0 | 18 | 1 | 4 | 26.5 | 27.9 | -1.4 |
| 8 | 7 | 3 | 17.8 | 17.7 | .1 | 8 | 10 | 3 | 9.3 | 9.8 | -.5 | 19 | 1 | 4 | 19.4 | 19.2 | .1 |
| 9 | 7 | 3 | 18.7 | 18.9 | -.3 | 9 | 10 | 3 | 17.3 | 18.1 | -.7 | 20 | 1 | 4* | 2.0 | 5.8 | -3.8 |
| 10 | 7 | 3 | 40.0 | 40.0 | .0 | 10 | 10 | 3* | 5.0 | 3.2 | 1.9 | 21 | 1 | 4* | 11.0 | 11.0 | .0 |
| 11 | 7 | 3 | 18.1 | 17.7 | .5 | 11 | 10 | 3 | 39.1 | 39.9 | -.8 | 0 | 2 | 4 | 54.4 | 55.3 | -.8 |
| 12 | 7 | 3* | 6.5 | 6.8 | -.3 | 1 | 11 | 3 | 7.6 | 8.2 | -.6 | 1 | 2 | 4 | 30.3 | 31.5 | -1.2 |
| 13 | 7 | 3 | 26.1 | 25.5 | .6 | 2 | 11 | 3 | 27.9 | 27.2 | .7 | 2 | 2 | 4* | .0 | 3.1 | -3.1 |
| 14 | 7 | 3 | 38.0 | 37.5 | .5 | 3 | 11 | 3 | 18.2 | 17.6 | .5 | 3 | 2 | 4 | 6.5 | 5.4 | 1.1 |
| 15 | 7 | 3* | 3.1 | 4.9 | -1.8 | 4 | 11 | 3* | 3.7 | 1.9 | 1.8 | 4 | 2 | 4 | 44.3 | 44.8 | -.5 |
| 16 | 7 | 3* | 2.1 | .8 | 1.3 | 5 | 11 | 3 | 25.9 | 25.3 | .7 | 5 | 2 | 4 | 62.4 | 64.4 | -2.0 |
| 17 | 7 | 3 | 34.7 | 34.8 | -.2 | 6 | 11 | 3* | 3.3 | .4 | 2.9 | 6 | 2 | 4* | 4.2 | 2.8 | 1.4 |
| 18 | 7 | 3 | 18.0 | 17.1 | .9 | 0 | 0 | 4 | 95.5 | 97.9 | -2.4 | 7 | 2 | 4 | 32.1 | 31.8 | .3 |
| 0 | 8 | 3 | 132.4 | 132.1 | .4 | 1 | 0 | 4 | 124.2 | 125.2 | -1.0 | 8 | 2 | 4 | 68.4 | 68.6 | -.2 |
| 1 | 8 | 3 | 72.0 | 72.0 | .0 | 2 | 0 | 4 | 7.2 | 5.0 | 2.2 | 9 | 2 | 4 | 9.5 | 10.5 | -1.0 |
| 2 | 8 | 3 | 12.2 | 12.1 | .1 | 3 | 0 | 4 | 62.6 | 62.3 | .3 | 10 | 2 | 4 | 10.5 | 10.6 | -.1 |
| 3 | 8 | 3 | 34.1 | 34.1 | -.1 | 4 | 0 | 4 | 167.2 | 166.6 | .6 | 11 | 2 | 4* | 3.9 | .3 | 3.7 |
| 4 | 8 | 3* | 5.8 | 6.3 | -.5 | 5 | 0 | 4 | 26.1 | 26.3 | -.2 | 12 | 2 | 4 | 35.1 | 36.2 | -1.1 |
| 5 | 8 | 3 | 31.3 | 31.3 | .0 | 6 | 0 | 4 | 17.8 | 17.7 | .1 | 13 | 2 | 4* | 4.8 | 3.6 | 1.2 |
| 6 | 8 | 3 | 9.4 | 9.6 | -.1 | 7 | 0 | 4 | 42.0 | 42.3 | -.3 | 14 | 2 | 4 | 15.6 | 16.1 | -.5 |
| 7 | 8 | 3 | 77.8 | 76.7 | 1.0 | 8 | 0 | 4 | 122.8 | 123.6 | -.8 | 15 | 2 | 4 | 24.7 | 26.0 | -1.3 |
| 8 | 8 | 3 | 54.8 | 54.0 | .7 | 9 | 0 | 4 | 40.6 | 41.8 | -1.2 | 16 | 2 | 4 | 18.0 | 18.0 | .0 |
| 9 | 8 | 3 | 11.5 | 10.6 | .9 | 10 | 0 | 4 | 11.1 | 9.8 | 1.3 | 17 | 2 | 4* | 4.8 | 3.9 | .9 |
| 10 | 8 | 3* | 4.3 | 1.4 | 3.0 | 11 | 0 | 4 | 101.1 | 102.8 | -1.7 | 18 | 2 | 4 | 7.7 | 7.3 | .4 |
| 11 | 8 | 3 | 7.3 | 6.3 | 1.0 | 12 | 0 | 4 | 113.9 | 113.7 | .3 | 19 | 2 | 4* | 10.6 | 3.7 | 6.9 |
| 12 | 8 | 3 | 44.3 | 45.4 | -1.1 | 13 | 0 | 4 | 40.1 | 41.1 | -1.0 | 20 | 2 | 4 | 43.9 | 44.7 | -.8 |
| 13 | 8 | 3 | 56.6 | 57.3 | -.7 | 14 | 0 | 4* | 6.0 | 4.7 | 1.3 | 21 | 2 | 4* | 2.8 | 3.5 | -.7 |
| 14 | 8 | 3 | 9.3 | 7.3 | 1.9 | 15 | 0 | 4* | 8.3 | 2.8 | 5.5 | 1 | 3 | 4 | 11.4 | 12.3 | -.9 |
| 15 | 8 | 3 | 56.5 | 56.1 | .4 | 16 | 0 | 4 | 97.8 | 97.7 | .1 | 2 | 3 | 4* | 1.9 | .6 | 1.2 |
| 16 | 8 | 3 | 19.2 | 19.6 | -.4 | 17 | 0 | 4* | 4.5 | .1 | 4.4 | 3 | 3 | 4 | 7.5 | 7.7 | -.3 |
| 1 | 9 | 3 | 84.0 | 83.7 | .3 | 18 | 0 | 4 | 29.0 | 28.9 | .0 | 4 | 3 | 4* | 4.6 | 1.7 | 2.8 |
| 2 | 9 | 3 | 47.3 | 47.0 | .3 | 19 | 0 | 4* | 5.0 | 3.1 | 1.9 | 5 | 3 | 4 | 11.3 | 12.7 | -1.4 |
| 3 | 9 | 3 | 17.0 | 17.5 | -.5 | 20 | 0 | 4* | 23.4 | 35.0 | -11.6 | 6 | 3 | 4 | 23.9 | 22.2 | 1.7 |
| 4 | 9 | 3* | 3.5 | .7 | 2.8 | 21 | 0 | 4 | 51.6 | 50.7 | .8 | 7 | 3 | 4 | 18.4 | 19.3 | -.9 |
| 5 | 9 | 3* | 14.0 | 8.9 | 5.1 | 1 | 1 | 4 | 76.1 | 77.1 | -1.0 | 8 | 3 | 4* | .0 | 3.0 | -3.0 |
| 6 | 9 | 3 | 53.2 | 53.6 | -.4 | 2 | 1 | 4* | 27.7 | 27.1 | .6 | 9 | 3 | 4 | 17.2 | 17.0 | .3 |
| 7 | 9 | 3 | 28.7 | 28.6 | .1 | 3 | 1 | 4 | 32.5 | 33.1 | -.6 | 10 | 3 | 4* | 10.0 | 6.7 | 3.3 |
| 8 | 9 | 3* | 4.7 | 2.2 | 2.4 | 4 | 1 | 4* | 1.1 | .0 | 1.1 | 11 | 3 | 4 | 9.7 | 8.5 | 1.2 |
| 9 | 9 | 3* | 6.4 | .3 | 6.1 | 5 | 1 | 4 | 56.2 | 57.5 | -1.3 | 12 | 3 | 4* | 6.6 | 6.2 | .4 |
| 10 | 9 | 3 | 35.9 | 36.2 | -.3 | 6 | 1 | 4 | 42.4 | 43.1 | -.7 | 13 | 3 | 4 | 12.8 | 13.9 | -1.1 |
| 11 | 9 | 3* | 4.0 | .0 | 4.0 | 7 | 1 | 4 | 49.3 | 50.3 | -.9 | 14 | 3 | 4* | 1.6 | .4 | 1.2 |
| 12 | 9 | 3 | 9.2 | 8.7 | .5 | 8 | 1 | 4* | 4.9 | 2.8 | 2.1 | 15 | 3 | 4 | 21.1 | 21.1 | .0 |

| h | k | l | /Fo/ | /Fc/ | DF | h | k | l | /Fo/ | /Fc/ | DF | h | k | l | /Fo/ | /Fc/ | DF |
|----|---|----|-------|-------|------|----|---|----|------|------|------|----|----|----|------|------|------|
| 16 | 3 | 4* | .0 | 2.0 | -2.0 | 5 | 6 | 4 | 21.9 | 21.6 | .3 | 7 | 9 | 4* | .0 | 2.8 | -2.8 |
| 17 | 3 | 4* | .0 | 5.4 | -5.4 | 6 | 6 | 4 | 11.4 | 12.0 | -.6 | 8 | 9 | 4* | 5.3 | 5.9 | -.6 |
| 18 | 3 | 4* | 3.9 | 6.0 | -2.0 | 7 | 6 | 4 | 12.7 | 13.0 | -.3 | 9 | 9 | 4 | 29.1 | 29.2 | -.2 |
| 19 | 3 | 4* | 6.0 | 7.8 | -1.8 | 8 | 6 | 4 | 87.6 | 89.7 | -2.1 | 10 | 9 | 4* | 6.2 | 6.4 | -.2 |
| 20 | 3 | 4* | .0 | 3.9 | -3.9 | 9 | 6 | 4 | 51.5 | 52.2 | -.7 | 11 | 9 | 4 | 8.9 | 8.8 | .1 |
| 0 | 4 | 4 | 57.7 | 57.8 | -.1 | 10 | 6 | 4* | 7.0 | 5.4 | 1.6 | 0 | 10 | 4 | 16.8 | 17.0 | -.2 |
| 1 | 4 | 4 | 7.1 | 6.4 | .7 | 11 | 6 | 4 | 59.8 | 60.3 | -.5 | 1 | 10 | 4 | 22.1 | 22.7 | -.6 |
| 2 | 4 | 4* | 5.5 | 4.8 | .7 | 12 | 6 | 4 | 66.4 | 67.9 | -1.5 | 2 | 10 | 4* | 6.7 | 7.6 | -.9 |
| 3 | 4 | 4 | 11.3 | 11.0 | .3 | 13 | 6 | 4 | 45.2 | 46.3 | -1.1 | 3 | 10 | 4 | 22.1 | 22.9 | -.8 |
| 4 | 4 | 4* | 3.0 | 5.3 | -2.3 | 14 | 6 | 4* | .4 | .3 | .1 | 4 | 10 | 4 | 23.7 | 23.4 | .3 |
| 5 | 4 | 4 | 50.9 | 51.3 | -.4 | 15 | 6 | 4 | 9.0 | 9.3 | -.3 | 5 | 10 | 4 | 24.1 | 25.0 | -.9 |
| 6 | 4 | 4* | 4.7 | 3.8 | .9 | 16 | 6 | 4 | 62.0 | 62.4 | -.4 | 6 | 10 | 4* | .0 | 3.4 | -3.4 |
| 7 | 4 | 4* | 5.4 | 4.2 | 1.2 | 17 | 6 | 4 | 8.5 | 7.6 | .9 | 1 | 1 | 5 | 22.2 | 21.2 | 1.1 |
| 8 | 4 | 4 | 20.1 | 20.4 | -.3 | 1 | 7 | 4 | 36.6 | 36.7 | -.2 | 2 | 1 | 5 | 24.1 | 23.8 | .2 |
| 9 | 4 | 4 | 42.6 | 43.0 | -.3 | 2 | 7 | 4 | 16.5 | 16.5 | .0 | 3 | 1 | 5 | 12.1 | 11.8 | .3 |
| 10 | 4 | 4* | 3.5 | 3.4 | .1 | 3 | 7 | 4 | 29.9 | 30.0 | -.1 | 4 | 1 | 5 | 21.4 | 21.5 | -.1 |
| 11 | 4 | 4 | 10.1 | 9.7 | .5 | 4 | 7 | 4* | 5.2 | 3.3 | 1.9 | 5 | 1 | 5* | 3.9 | 5.1 | -1.3 |
| 12 | 4 | 4 | 26.6 | 26.0 | .6 | 5 | 7 | 4 | 14.7 | 15.5 | -.8 | 6 | 1 | 5 | 57.3 | 57.1 | .2 |
| 13 | 4 | 4 | 21.7 | 22.4 | -.6 | 6 | 7 | 4 | 21.8 | 22.6 | -.8 | 7 | 1 | 5 | 30.9 | 31.0 | -.1 |
| 14 | 4 | 4 | 14.1 | 14.2 | -.1 | 7 | 7 | 4* | 1.9 | 1.1 | .8 | 8 | 1 | 5 | 17.6 | 18.3 | -.7 |
| 15 | 4 | 4 | 42.3 | 41.7 | .6 | 8 | 7 | 4* | 6.5 | 6.9 | -.4 | 9 | 1 | 5 | 22.0 | 20.9 | 1.1 |
| 16 | 4 | 4* | 1.1 | 9.3 | -8.1 | 9 | 7 | 4 | 27.2 | 27.4 | -.3 | 10 | 1 | 5 | 16.9 | 16.9 | .0 |
| 17 | 4 | 4 | 16.6 | 15.5 | 1.1 | 10 | 7 | 4* | 11.5 | 12.1 | -.5 | 11 | 1 | 5* | 10.9 | 11.3 | -.4 |
| 18 | 4 | 4 | 8.3 | 7.6 | .7 | 11 | 7 | 4 | 47.5 | 47.3 | .2 | 12 | 1 | 5 | 32.9 | 32.2 | .7 |
| 19 | 4 | 4 | 28.6 | 27.8 | .9 | 12 | 7 | 4* | .0 | 2.7 | -2.7 | 13 | 1 | 5 | 22.1 | 21.5 | .6 |
| 20 | 4 | 4* | 19.6 | 19.9 | -.3 | 13 | 7 | 4 | 10.8 | 10.9 | -.1 | 14 | 1 | 5 | 34.8 | 34.1 | .7 |
| 1 | 5 | 4 | 47.2 | 47.8 | -.6 | 14 | 7 | 4 | 29.8 | 31.5 | -1.7 | 15 | 1 | 5* | 13.8 | 16.0 | -2.1 |
| 2 | 5 | 4 | 81.4 | 81.5 | -.2 | 15 | 7 | 4 | 39.4 | 40.4 | -1.1 | 16 | 1 | 5* | 5.8 | 2.8 | 3.0 |
| 3 | 5 | 4 | 54.4 | 54.8 | -.4 | 16 | 7 | 4 | 12.9 | 13.5 | -.6 | 17 | 1 | 5 | 11.9 | 11.5 | .4 |
| 4 | 5 | 4* | 4.9 | 5.7 | -.8 | 0 | 8 | 4 | 37.9 | 37.2 | .7 | 18 | 1 | 5* | 7.4 | 6.9 | .5 |
| 5 | 5 | 4 | 28.4 | 27.9 | .4 | 1 | 8 | 4 | 8.1 | 8.4 | -.3 | 0 | 2 | 5* | 4.7 | .8 | 3.9 |
| 6 | 5 | 4 | 60.6 | 60.9 | -.3 | 2 | 8 | 4* | .0 | .2 | -.2 | 1 | 2 | 5 | 24.4 | 22.4 | 2.0 |
| 7 | 5 | 4 | 29.9 | 29.9 | -.1 | 3 | 8 | 4 | 11.5 | 12.0 | -.5 | 2 | 2 | 5 | 55.4 | 55.6 | -.2 |
| 8 | 5 | 4* | 5.0 | 1.7 | 3.4 | 4 | 8 | 4 | 32.3 | 31.7 | .6 | 3 | 2 | 5 | 22.5 | 22.7 | -.2 |
| 9 | 5 | 4 | 22.2 | 21.2 | 1.0 | 5 | 8 | 4 | 31.8 | 31.2 | .5 | 4 | 2 | 5 | 73.6 | 73.8 | -.2 |
| 10 | 5 | 4 | 104.9 | 105.9 | -1.1 | 6 | 8 | 4* | 2.9 | 1.8 | 1.0 | 5 | 2 | 5 | 21.7 | 22.7 | -1.0 |
| 11 | 5 | 4 | 62.3 | 62.6 | -.3 | 7 | 8 | 4* | 6.5 | 7.2 | -.7 | 6 | 2 | 5 | 19.5 | 18.7 | .8 |
| 12 | 5 | 4 | 13.4 | 13.0 | .3 | 8 | 8 | 4 | 42.8 | 42.7 | .1 | 7 | 2 | 5* | .0 | 1.4 | -1.4 |
| 13 | 5 | 4 | 49.6 | 49.9 | -.3 | 9 | 8 | 4 | 21.5 | 21.5 | .0 | 8 | 2 | 5 | 34.9 | 34.5 | .4 |
| 14 | 5 | 4 | 33.3 | 33.8 | -.4 | 10 | 8 | 4 | 9.2 | 9.3 | -.1 | 9 | 2 | 5 | 61.9 | 61.8 | .1 |
| 15 | 5 | 4 | 48.4 | 47.9 | .6 | 11 | 8 | 4 | 12.3 | 12.3 | .0 | 10 | 2 | 5 | 8.9 | 7.7 | 1.1 |
| 16 | 5 | 4* | 4.7 | 6.0 | -1.3 | 12 | 8 | 4 | 28.9 | 29.1 | -.2 | 11 | 2 | 5 | 68.7 | 70.7 | -2.0 |
| 17 | 5 | 4* | 8.6 | 1.2 | 7.4 | 13 | 8 | 4* | .0 | 2.8 | -2.8 | 12 | 2 | 5 | 40.2 | 39.8 | .4 |
| 18 | 5 | 4* | 46.6 | 47.1 | -.5 | 14 | 8 | 4* | 6.2 | 7.7 | -1.4 | 13 | 2 | 5 | 32.1 | 31.5 | .6 |
| 19 | 5 | 4 | 26.1 | 27.1 | -1.0 | 1 | 9 | 4* | 4.8 | .1 | 4.8 | 14 | 2 | 5 | 8.4 | 7.5 | .9 |
| 0 | 6 | 4 | 41.5 | 39.6 | 1.8 | 2 | 9 | 4* | 5.7 | 7.6 | -1.9 | 15 | 2 | 5* | 6.5 | 6.8 | -.3 |
| 1 | 6 | 4 | 63.1 | 63.4 | -.4 | 3 | 9 | 4 | 10.3 | 10.5 | -.2 | 16 | 2 | 5 | 36.1 | 35.5 | .6 |
| 2 | 6 | 4* | 5.1 | 1.6 | 3.5 | 4 | 9 | 4 | 6.1 | 6.2 | -.1 | 17 | 2 | 5 | 25.6 | 26.0 | -.4 |
| 3 | 6 | 4 | 35.0 | 35.4 | -.4 | 5 | 9 | 4 | 11.6 | 12.3 | -.7 | 18 | 2 | 5* | 23.6 | 19.0 | 4.6 |
| 4 | 6 | 4 | 112.7 | 112.6 | .1 | 6 | 9 | 4 | 22.4 | 22.3 | .1 | 1 | 3 | 5* | 14.8 | 15.0 | -.2 |

| h | k | l | /Fo/ | /Fc/ | DF | h | k | l | /Fo/ | /Fc/ | DF | h | k | l | /Fo/ | /Fc/ | DF |
|----|---|----|-------|-------|------|----|---|----|-------|-------|------|----|---|----|------|------|------|
| 2 | 3 | 5 | 73.1 | 73.1 | .0 | 1 | 6 | 5 | 8.6 | 9.2 | -.5 | 10 | 0 | 6 | 21.1 | 21.7 | -.6 |
| 3 | 3 | 5 | 91.2 | 91.3 | -.1 | 2 | 6 | 5 | 18.9 | 19.2 | -.3 | 11 | 0 | 6* | 9.9 | 9.4 | .5 |
| 4 | 3 | 5 | 13.4 | 13.8 | -.3 | 3 | 6 | 5 | 12.0 | 10.9 | 1.0 | 12 | 0 | 6 | 15.4 | 14.5 | .9 |
| 5 | 3 | 5 | 53.3 | 51.8 | 1.5 | 4 | 6 | 5* | 4.7 | 3.0 | 1.8 | 13 | 0 | 6 | 79.1 | 77.7 | 1.4 |
| 6 | 3 | 5 | 78.1 | 77.9 | .3 | 5 | 6 | 5 | 19.7 | 19.9 | -.2 | 14 | 0 | 6* | 3.2 | 5.1 | -1.9 |
| 7 | 3 | 5 | 34.2 | 34.6 | -.3 | 6 | 6 | 5* | .0 | 3.7 | -3.7 | 1 | 1 | 6 | 68.6 | 68.7 | -.2 |
| 8 | 3 | 5 | 50.8 | 50.9 | -.1 | 7 | 6 | 5 | 20.0 | 19.2 | .8 | 2 | 1 | 6* | .0 | 3.3 | -3.3 |
| 9 | 3 | 5 | 47.6 | 48.1 | -.4 | 8 | 6 | 5 | 11.8 | 11.8 | .0 | 3 | 1 | 6 | 14.5 | 14.9 | -.4 |
| 10 | 3 | 5 | 125.2 | 124.6 | .6 | 9 | 6 | 5* | 6.6 | 3.7 | 3.0 | 4 | 1 | 6 | 15.4 | 14.9 | .5 |
| 11 | 3 | 5 | 23.3 | 23.1 | .2 | 10 | 6 | 5 | 12.2 | 12.1 | .1 | 5 | 1 | 6* | 5.7 | 5.9 | -.2 |
| 12 | 3 | 5 | 59.8 | 58.9 | .9 | 11 | 6 | 5* | 1.8 | 4.3 | -2.6 | 6 | 1 | 6* | 5.2 | 4.5 | .7 |
| 13 | 3 | 5* | 32.5 | 33.8 | -1.3 | 12 | 6 | 5 | 11.9 | 11.7 | .1 | 7 | 1 | 6 | 38.0 | 37.2 | .8 |
| 14 | 3 | 5 | 19.3 | 18.3 | 1.0 | 13 | 6 | 5* | 9.7 | 8.7 | 1.0 | 8 | 1 | 6* | 3.9 | 2.4 | 1.5 |
| 15 | 3 | 5 | 34.3 | 35.3 | -.9 | 14 | 6 | 5* | .0 | 4.8 | -4.8 | 9 | 1 | 6 | 24.9 | 24.0 | .9 |
| 16 | 3 | 5 | 44.4 | 43.9 | .5 | 1 | 7 | 5 | 27.1 | 28.3 | -1.2 | 10 | 1 | 6 | 7.3 | 8.2 | -.9 |
| 17 | 3 | 5 | 50.0 | 48.7 | 1.3 | 2 | 7 | 5* | 6.0 | 5.0 | 1.0 | 11 | 1 | 6 | 8.1 | 7.4 | .7 |
| 0 | 4 | 5 | 29.8 | 30.2 | -.4 | 3 | 7 | 5 | 24.7 | 25.1 | -.4 | 12 | 1 | 6 | 28.4 | 27.6 | .8 |
| 1 | 4 | 5* | 3.8 | 1.6 | 2.1 | 4 | 7 | 5 | 27.6 | 27.6 | .0 | 13 | 1 | 6 | 63.8 | 63.7 | .2 |
| 2 | 4 | 5 | 40.3 | 40.8 | -.5 | 5 | 7 | 5 | 19.9 | 18.9 | 1.1 | 14 | 1 | 6* | 5.5 | 5.5 | .0 |
| 3 | 4 | 5 | 8.7 | 8.2 | .5 | 6 | 7 | 5 | 32.7 | 31.8 | .8 | 0 | 2 | 6 | 18.0 | 17.8 | .1 |
| 4 | 4 | 5 | 23.3 | 23.9 | -.6 | 7 | 7 | 5* | 6.4 | .6 | 5.8 | 1 | 2 | 6 | 25.7 | 25.5 | .2 |
| 5 | 4 | 5* | 2.0 | 1.5 | .5 | 8 | 7 | 5 | 27.7 | 27.6 | .1 | 2 | 2 | 6 | 18.3 | 17.8 | .6 |
| 6 | 4 | 5 | 19.4 | 19.1 | .3 | 9 | 7 | 5* | 5.8 | 6.6 | -.8 | 3 | 2 | 6 | 51.5 | 51.6 | -.1 |
| 7 | 4 | 5* | 13.2 | 13.4 | -.2 | 10 | 7 | 5 | 10.2 | 10.4 | -.2 | 4 | 2 | 6 | 12.3 | 12.7 | -.4 |
| 8 | 4 | 5* | 6.9 | 5.7 | 1.2 | 11 | 7 | 5* | 9.5 | 10.3 | -.9 | 5 | 2 | 6 | 13.8 | 13.9 | -.1 |
| 9 | 4 | 5 | 36.8 | 37.7 | -.9 | 12 | 7 | 5 | 22.2 | 22.3 | -.2 | 6 | 2 | 6 | 23.9 | 23.1 | .8 |
| 10 | 4 | 5* | .0 | 2.2 | -2.2 | 0 | 8 | 5 | 9.6 | 9.6 | .0 | 7 | 2 | 6 | 8.4 | 7.5 | .9 |
| 11 | 4 | 5 | 39.4 | 39.4 | .0 | 1 | 8 | 5 | 34.3 | 33.9 | .4 | 8 | 2 | 6 | 16.2 | 16.9 | -.7 |
| 12 | 4 | 5 | 7.5 | 5.7 | 1.8 | 2 | 8 | 5 | 51.3 | 51.8 | -.5 | 9 | 2 | 6 | 16.9 | 16.7 | .2 |
| 13 | 4 | 5 | 38.9 | 38.0 | .9 | 3 | 8 | 5 | 25.7 | 26.2 | -.5 | 10 | 2 | 6 | 21.3 | 20.5 | .8 |
| 14 | 4 | 5* | .0 | 2.3 | -2.3 | 4 | 8 | 5 | 74.7 | 74.7 | .0 | 11 | 2 | 6 | 43.3 | 42.0 | 1.3 |
| 15 | 4 | 5 | 24.4 | 24.1 | .3 | 5 | 8 | 5 | 15.3 | 15.7 | -.4 | 12 | 2 | 6* | 7.6 | 8.5 | -.8 |
| 16 | 4 | 5* | 6.9 | 8.1 | -1.2 | 6 | 8 | 5* | 8.2 | 8.0 | .1 | 13 | 2 | 6* | 5.5 | 6.5 | -.9 |
| 17 | 4 | 5 | 17.7 | 18.6 | -.8 | 7 | 8 | 5* | 6.3 | 7.1 | -.8 | 14 | 2 | 6* | 1.9 | 1.1 | .7 |
| 1 | 5 | 5 | 8.7 | 9.7 | -1.0 | 8 | 8 | 5 | 49.4 | 48.9 | .5 | 1 | 3 | 6 | 7.3 | 8.1 | -.8 |
| 2 | 5 | 5 | 30.4 | 30.2 | .2 | 9 | 8 | 5 | 50.6 | 50.5 | .0 | 2 | 3 | 6* | 3.4 | 2.8 | .6 |
| 3 | 5 | 5* | .0 | 1.7 | -1.7 | 1 | 9 | 5 | 30.3 | 28.7 | 1.6 | 3 | 3 | 6 | 8.3 | 7.8 | .5 |
| 4 | 5 | 5 | 9.1 | 9.7 | -.6 | 2 | 9 | 5 | 33.2 | 33.6 | -.4 | 4 | 3 | 6 | 23.1 | 20.5 | 2.6 |
| 5 | 5 | 5* | .0 | 5.9 | -5.8 | 3 | 9 | 5 | 49.5 | 50.0 | -.4 | 5 | 3 | 6* | .0 | 2.0 | -2.0 |
| 6 | 5 | 5 | 47.4 | 47.6 | -.2 | 4 | 9 | 5* | .0 | 2.6 | -2.6 | 6 | 3 | 6 | 6.5 | 6.6 | -.1 |
| 7 | 5 | 5 | 38.1 | 38.5 | -.3 | 0 | 0 | 6 | 15.0 | 14.8 | .3 | 7 | 3 | 6* | 6.7 | 7.9 | -1.2 |
| 8 | 5 | 5* | 5.5 | 4.6 | .9 | 1 | 0 | 6 | 122.5 | 122.9 | -.4 | 8 | 3 | 6* | 8.1 | 8.3 | -.2 |
| 9 | 5 | 5 | 30.6 | 30.1 | .5 | 2 | 0 | 6* | 10.2 | 8.8 | 1.4 | 9 | 3 | 6* | 5.0 | 6.5 | -1.5 |
| 10 | 5 | 5 | 29.9 | 29.9 | .0 | 3 | 0 | 6 | 25.5 | 25.7 | -.1 | 10 | 3 | 6* | .0 | 1.1 | -1.1 |
| 11 | 5 | 5* | 6.7 | 7.6 | -.9 | 4 | 0 | 6 | 29.9 | 29.5 | .5 | 11 | 3 | 6* | 5.3 | 7.1 | -1.8 |
| 12 | 5 | 5 | 20.5 | 20.1 | .4 | 5 | 0 | 6 | 52.8 | 52.9 | -.1 | 12 | 3 | 6* | 9.3 | 8.8 | .4 |
| 13 | 5 | 5 | 15.4 | 15.5 | .0 | 6 | 0 | 6* | 14.4 | 7.9 | 6.5 | 13 | 3 | 6* | .0 | 1.6 | -1.6 |
| 14 | 5 | 5 | 30.7 | 29.9 | .8 | 7 | 0 | 6 | 96.1 | 94.7 | 1.4 | 0 | 4 | 6 | 22.9 | 23.1 | -.2 |
| 15 | 5 | 5 | 12.7 | 12.7 | .0 | 8 | 0 | 6 | 10.2 | 10.4 | -.1 | 1 | 4 | 6* | 7.3 | 6.9 | .4 |
| 0 | 6 | 5 | 27.2 | 27.2 | .0 | 9 | 0 | 6* | .0 | .1 | -.1 | 2 | 4 | 6 | 13.5 | 14.3 | -.8 |

| h | k | l | /Fo/ | /Fc/ | DF | h | k | l | /Fo/ | /Fc/ | DF | h | k | l | /Fo/ | /Fc/ | DF |
|----|---|----|------|------|------|----|---|----|------|------|------|---|---|----|-------|-------|------|
| 3 | 4 | 6 | 43.7 | 43.7 | .0 | 9 | 5 | 6* | 5.6 | 5.4 | .2 | 4 | 1 | 7 | 22.1 | 22.5 | -.4 |
| 4 | 4 | 6* | 4.9 | 5.8 | -1.0 | 10 | 5 | 6 | 11.4 | 11.3 | .2 | 5 | 1 | 7* | 4.1 | 3.9 | .2 |
| 5 | 4 | 6 | 10.5 | 10.7 | -.2 | 0 | 6 | 6* | 6.2 | 1.7 | 4.5 | 6 | 1 | 7 | 8.1 | 8.0 | .0 |
| 6 | 4 | 6* | 9.0 | 10.1 | -1.1 | 1 | 6 | 6 | 96.7 | 97.0 | -.4 | 7 | 1 | 7 | 8.8 | 8.9 | -.1 |
| 7 | 4 | 6 | 14.9 | 15.8 | -.9 | 2 | 6 | 6 | 25.3 | 25.6 | -.2 | 0 | 2 | 7 | 9.7 | 9.1 | .7 |
| 8 | 4 | 6 | 8.7 | 9.1 | -.5 | 3 | 6 | 6 | 10.0 | 9.6 | .4 | 1 | 2 | 7 | 44.9 | 44.1 | .8 |
| 9 | 4 | 6 | 15.3 | 15.1 | .2 | 4 | 6 | 6 | 23.0 | 23.1 | -.1 | 2 | 2 | 7 | 48.5 | 48.7 | -.2 |
| 10 | 4 | 6* | 16.6 | 9.8 | 6.7 | 5 | 6 | 6 | 36.3 | 36.0 | .3 | 3 | 2 | 7 | 9.7 | 9.8 | -.1 |
| 11 | 4 | 6 | 31.0 | 30.1 | .9 | 6 | 6 | 6* | .0 | 1.8 | -1.8 | 4 | 2 | 7 | 30.6 | 30.9 | -.3 |
| 12 | 4 | 6 | 9.7 | 10.7 | -1.0 | 7 | 6 | 6 | 63.1 | 63.1 | .0 | 5 | 2 | 7 | 5.1 | 4.9 | .2 |
| 1 | 5 | 6 | 84.5 | 84.8 | -.4 | 8 | 6 | 6 | 14.8 | 15.1 | -.3 | 6 | 2 | 7* | 5.7 | 6.0 | -.3 |
| 2 | 5 | 6 | 20.0 | 20.5 | -.5 | 1 | 7 | 6 | 20.1 | 20.2 | -.1 | 1 | 3 | 7* | 9.1 | 3.7 | 5.4 |
| 3 | 5 | 6* | 4.6 | .4 | 4.2 | 2 | 7 | 6* | 1.7 | 1.8 | .0 | 2 | 3 | 7 | 30.8 | 30.2 | .5 |
| 4 | 5 | 6 | 12.2 | 12.2 | .0 | 3 | 7 | 6 | 34.0 | 33.6 | .4 | 3 | 3 | 7 | 73.3 | 73.1 | .2 |
| 5 | 5 | 6 | 38.5 | 37.6 | .8 | 4 | 7 | 6* | 11.1 | 9.6 | 1.5 | 4 | 3 | 7* | 6.2 | .3 | 5.9 |
| 6 | 5 | 6* | 5.7 | 6.2 | -.5 | 1 | 1 | 7 | 38.9 | 37.9 | 1.0 | 5 | 3 | 7* | .0 | 4.7 | -4.7 |
| 7 | 5 | 6 | 56.5 | 56.1 | .4 | 2 | 1 | 7* | 7.0 | 8.1 | -1.1 | 0 | 2 | 3 | 200.9 | 200.3 | .7 |
| 8 | 5 | 6 | 21.1 | 20.3 | .8 | 3 | 1 | 7 | 11.3 | 12.2 | -.8 | 1 | 2 | 3 | 107.2 | 106.7 | .5 |