

**Listado nº: 44**

**Ejemplo ExHor: Listado del contraste de normalidad**

Listado con los cálculos para el contraste de normalidad por Kolmogorov – Smirnov en X e Y para la hoja 926 1-1 del MTA

**NORMALIDAD X**

| Punto | Diferencia X | f obs | f ac obs | prob acum obs | Z tipificado | prob acum Z | Diferencia |
|-------|--------------|-------|----------|---------------|--------------|-------------|------------|
| 127   | -36.0270     | 1     | 1        | 0.0096        | -6.3303      | 0.0000      | 0.0096     |
| 133   | -14.9970     | 1     | 2        | 0.0192        | -2.5671      | 0.0051      | 0.0141     |
| 204   | -9.0407      | 1     | 3        | 0.0288        | -1.5012      | 0.0667      | 0.0378     |
| 190   | -8.8188      | 1     | 4        | 0.0385        | -1.4615      | 0.0719      | 0.0335     |
| 18    | -8.2210      | 1     | 5        | 0.0481        | -1.3545      | 0.0878      | 0.0397     |
| 202   | -7.9227      | 1     | 6        | 0.0577        | -1.3011      | 0.0966      | 0.0389     |
| 123   | -6.2985      | 1     | 7        | 0.0673        | -1.0105      | 0.1561      | 0.0888     |
| 184   | -5.9916      | 1     | 8        | 0.0769        | -0.9556      | 0.1696      | 0.0927     |
| 175   | -5.8990      | 1     | 9        | 0.0865        | -0.9390      | 0.1739      | 0.0873     |
| 130   | -5.5737      | 1     | 10       | 0.0962        | -0.8808      | 0.1892      | 0.0931     |
| 135   | -4.9610      | 1     | 11       | 0.1058        | -0.7712      | 0.2203      | 0.1145     |
| 203   | -4.6380      | 1     | 12       | 0.1154        | -0.7134      | 0.2378      | 0.1224     |
| 159   | -4.6148      | 1     | 13       | 0.1250        | -0.7092      | 0.2391      | 0.1141     |
| 15    | -4.2756      | 1     | 14       | 0.1346        | -0.6485      | 0.2583      | 0.1237     |
| 17    | -4.2653      | 1     | 15       | 0.1442        | -0.6467      | 0.2589      | 0.1147     |
| 126   | -4.0790      | 1     | 16       | 0.1538        | -0.6133      | 0.2698      | 0.1160     |
| 25    | -3.8736      | 1     | 17       | 0.1635        | -0.5766      | 0.2821      | 0.1187     |
| 183   | -3.4889      | 1     | 18       | 0.1731        | -0.5077      | 0.3058      | 0.1327     |
| 141   | -3.3440      | 1     | 19       | 0.1827        | -0.4818      | 0.3150      | 0.1323     |
| 205   | -3.2173      | 1     | 20       | 0.1923        | -0.4591      | 0.3231      | 0.1308     |
| 201   | -3.1539      | 1     | 21       | 0.2019        | -0.4478      | 0.3272      | 0.1252     |
| 199   | -3.0731      | 1     | 22       | 0.2115        | -0.4333      | 0.3324      | 0.1209     |
| 186   | -2.9037      | 1     | 23       | 0.2212        | -0.4030      | 0.3435      | 0.1223     |
| 26    | -2.8874      | 1     | 24       | 0.2308        | -0.4001      | 0.3445      | 0.1138     |
| 195   | -2.8546      | 1     | 25       | 0.2404        | -0.3942      | 0.3467      | 0.1063     |
| 172   | -2.7663      | 1     | 26       | 0.2500        | -0.3784      | 0.3526      | 0.1026     |
| 207   | -2.7650      | 1     | 27       | 0.2596        | -0.3782      | 0.3526      | 0.0930     |
| 209   | -2.7010      | 1     | 28       | 0.2692        | -0.3667      | 0.3569      | 0.0877     |
| 176   | -2.6232      | 1     | 29       | 0.2788        | -0.3528      | 0.3621      | 0.0833     |
| 196   | -2.5917      | 1     | 30       | 0.2885        | -0.3472      | 0.3642      | 0.0758     |
| 28    | -2.5714      | 1     | 31       | 0.2981        | -0.3436      | 0.3656      | 0.0675     |
| 173   | -2.4970      | 1     | 32       | 0.3077        | -0.3302      | 0.3706      | 0.0629     |
| 193   | -2.3672      | 1     | 33       | 0.3173        | -0.3070      | 0.3794      | 0.0621     |
| 198   | -2.2840      | 1     | 34       | 0.3269        | -0.2921      | 0.3851      | 0.0582     |
| 22    | -1.9635      | 1     | 35       | 0.3365        | -0.2348      | 0.4072      | 0.0707     |
| 208   | -1.8908      | 1     | 36       | 0.3462        | -0.2218      | 0.4123      | 0.0661     |
| 200   | -1.8665      | 1     | 37       | 0.3558        | -0.2174      | 0.4139      | 0.0582     |
| 125   | -1.7358      | 1     | 38       | 0.3654        | -0.1940      | 0.4231      | 0.0577     |
| 170   | -1.7151      | 1     | 39       | 0.3750        | -0.1903      | 0.4245      | 0.0495     |
| 171   | -1.6839      | 1     | 40       | 0.3846        | -0.1847      | 0.4267      | 0.0421     |
| 177   | -1.5336      | 1     | 41       | 0.3942        | -0.1578      | 0.4373      | 0.0431     |
| 2     | -1.4843      | 1     | 42       | 0.4038        | -0.1490      | 0.4408      | 0.0369     |
| 178   | -1.2741      | 1     | 43       | 0.4135        | -0.1114      | 0.4556      | 0.0422     |
| 194   | -1.2703      | 1     | 44       | 0.4231        | -0.1107      | 0.4559      | 0.0328     |
| 150   | -1.1618      | 1     | 45       | 0.4327        | -0.0913      | 0.4636      | 0.0309     |
| 189   | -1.0295      | 1     | 46       | 0.4423        | -0.0676      | 0.4730      | 0.0307     |
| 146   | -0.9798      | 1     | 47       | 0.4519        | -0.0587      | 0.4766      | 0.0247     |
| 143   | -0.8947      | 1     | 48       | 0.4615        | -0.0435      | 0.4826      | 0.0211     |
| 23    | -0.8422      | 1     | 49       | 0.4712        | -0.0341      | 0.4864      | 0.0152     |

**NORMALIDAD X**

| Punto | Diferencia X | f obs | f ac obs | prob acum obs | Z tipificado | prob acum Z | Diferencia |
|-------|--------------|-------|----------|---------------|--------------|-------------|------------|
| 188   | -0.7705      | 1     | 50       | 0.4808        | -0.0213      | 0.4915      | 0.0107     |
| 174   | -0.7432      | 1     | 51       | 0.4904        | -0.0164      | 0.4935      | 0.0031     |
| 182   | -0.7269      | 1     | 52       | 0.5000        | -0.0135      | 0.4946      | 0.0054     |
| 181   | -0.7163      | 1     | 53       | 0.5096        | -0.0116      | 0.4954      | 0.0142     |
| 21    | -0.6310      | 1     | 54       | 0.5192        | 0.0037       | 0.5015      | 0.0178     |
| 131   | -0.4545      | 1     | 55       | 0.5288        | 0.0353       | 0.5141      | 0.0148     |
| 179   | -0.3231      | 1     | 56       | 0.5385        | 0.0588       | 0.5234      | 0.0150     |
| 180   | -0.1292      | 1     | 57       | 0.5481        | 0.0935       | 0.5372      | 0.0108     |
| 27    | 0.1311       | 1     | 58       | 0.5577        | 0.1400       | 0.5557      | 0.0020     |
| 147   | 0.1952       | 1     | 59       | 0.5673        | 0.1515       | 0.5602      | 0.0071     |
| 156   | 0.1985       | 1     | 60       | 0.5769        | 0.1521       | 0.5605      | 0.0165     |
| 19    | 0.3088       | 1     | 61       | 0.5865        | 0.1718       | 0.5682      | 0.0183     |
| 129   | 0.5644       | 1     | 62       | 0.5962        | 0.2176       | 0.5861      | 0.0100     |
| 169   | 0.6438       | 1     | 63       | 0.6058        | 0.2318       | 0.5917      | 0.0141     |
| 144   | 0.7465       | 1     | 64       | 0.6154        | 0.2502       | 0.5988      | 0.0166     |
| 122   | 0.7578       | 1     | 65       | 0.6250        | 0.2522       | 0.5996      | 0.0254     |
| 151   | 0.8271       | 1     | 66       | 0.6346        | 0.2646       | 0.6043      | 0.0303     |
| 163   | 0.8866       | 1     | 67       | 0.6442        | 0.2752       | 0.6084      | 0.0358     |
| 1     | 0.9300       | 1     | 68       | 0.6538        | 0.2830       | 0.6114      | 0.0424     |
| 197   | 0.9689       | 1     | 69       | 0.6635        | 0.2900       | 0.6141      | 0.0494     |
| 158   | 0.9705       | 1     | 70       | 0.6731        | 0.2903       | 0.6142      | 0.0589     |
| 24    | 1.1432       | 1     | 71       | 0.6827        | 0.3212       | 0.6260      | 0.0567     |
| 145   | 1.1979       | 1     | 72       | 0.6923        | 0.3309       | 0.6297      | 0.0626     |
| 124   | 1.2903       | 1     | 73       | 0.7019        | 0.3475       | 0.6359      | 0.0660     |
| 155   | 1.3004       | 1     | 74       | 0.7115        | 0.3493       | 0.6366      | 0.0750     |
| 164   | 1.3307       | 1     | 75       | 0.7212        | 0.3547       | 0.6386      | 0.0826     |
| 128   | 1.4864       | 1     | 76       | 0.7308        | 0.3826       | 0.6490      | 0.0818     |
| 121   | 1.7265       | 1     | 77       | 0.7404        | 0.4255       | 0.6648      | 0.0756     |
| 136   | 1.8300       | 1     | 78       | 0.7500        | 0.4441       | 0.6715      | 0.0785     |
| 149   | 1.9807       | 1     | 79       | 0.7596        | 0.4710       | 0.6812      | 0.0784     |
| 157   | 2.1823       | 1     | 80       | 0.7692        | 0.5071       | 0.6940      | 0.0753     |
| 4     | 2.2368       | 1     | 81       | 0.7788        | 0.5169       | 0.6974      | 0.0815     |
| 132   | 2.2744       | 1     | 82       | 0.7885        | 0.5236       | 0.6997      | 0.0887     |
| 142   | 2.3967       | 1     | 83       | 0.7981        | 0.5455       | 0.7073      | 0.0908     |
| 192   | 2.5950       | 1     | 84       | 0.8077        | 0.5810       | 0.7194      | 0.0883     |
| 210   | 2.5951       | 1     | 85       | 0.8173        | 0.5810       | 0.7194      | 0.0979     |
| 185   | 2.6537       | 1     | 86       | 0.8269        | 0.5915       | 0.7229      | 0.1040     |
| 3     | 2.9861       | 1     | 87       | 0.8365        | 0.6509       | 0.7425      | 0.0941     |
| 162   | 3.0007       | 1     | 88       | 0.8462        | 0.6536       | 0.7433      | 0.1029     |
| 191   | 3.0314       | 1     | 89       | 0.8558        | 0.6590       | 0.7451      | 0.1107     |
| 140   | 3.2049       | 1     | 90       | 0.8654        | 0.6901       | 0.7549      | 0.1105     |
| 148   | 3.2731       | 1     | 91       | 0.8750        | 0.7023       | 0.7588      | 0.1162     |
| 20    | 3.5893       | 1     | 92       | 0.8846        | 0.7589       | 0.7760      | 0.1086     |
| 139   | 4.4308       | 1     | 93       | 0.8942        | 0.9095       | 0.8184      | 0.0758     |
| 168   | 4.5695       | 1     | 94       | 0.9038        | 0.9343       | 0.8249      | 0.0789     |
| 206   | 4.7491       | 1     | 95       | 0.9135        | 0.9664       | 0.8331      | 0.0804     |
| 161   | 4.9012       | 1     | 96       | 0.9231        | 0.9936       | 0.8398      | 0.0833     |
| 166   | 4.9765       | 1     | 97       | 0.9327        | 1.0071       | 0.8431      | 0.0896     |
| 187   | 5.1058       | 1     | 98       | 0.9423        | 1.0302       | 0.8486      | 0.0938     |

**NORMALIDAD X**

| Punto | Diferencia X | f obs | f ac obs | prob acum obs | Z tipificado | prob acum Z | Diferencia |
|-------|--------------|-------|----------|---------------|--------------|-------------|------------|
| 137   | 5.5459       | 1     | 99       | 0.9519        | 1.1090       | 0.8663      | 0.0856     |
| 160   | 6.1324       | 1     | 100      | 0.9615        | 1.2140       | 0.8876      | 0.0739     |
| 165   | 7.6721       | 1     | 101      | 0.9712        | 1.4895       | 0.9318      | 0.0393     |
| 167   | 9.3005       | 1     | 102      | 0.9808        | 1.7809       | 0.9625      | 0.0182     |
| 138   | 10.8174      | 1     | 103      | 0.9904        | 2.0523       | 0.9799      | 0.0105     |
| 134   | 20.0115      | 1     | 104      | 1.0000        | 3.6976       | 0.9999      | 0.0001     |

**NORMALIDAD Y**

| Punto | Diferencia Y | f obs | f ac obs | prob acum obs | Z tipificado | prob acum Z | Diferencia |
|-------|--------------|-------|----------|---------------|--------------|-------------|------------|
| 141   | -14.4102     | 1     | 1        | 0.0096        | -2.2218      | 0.0131      | 0.0035     |
| 134   | -11.1350     | 1     | 2        | 0.0192        | -1.6422      | 0.0503      | 0.0310     |
| 19    | -10.9136     | 1     | 3        | 0.0288        | -1.6030      | 0.0545      | 0.0256     |
| 187   | -10.3238     | 1     | 4        | 0.0385        | -1.4986      | 0.0670      | 0.0285     |
| 177   | -10.1350     | 1     | 5        | 0.0481        | -1.4652      | 0.0714      | 0.0234     |
| 176   | -9.7330      | 1     | 6        | 0.0577        | -1.3941      | 0.0817      | 0.0240     |
| 3     | -9.6414      | 1     | 7        | 0.0673        | -1.3778      | 0.0841      | 0.0168     |
| 178   | -9.6030      | 1     | 8        | 0.0769        | -1.3710      | 0.0852      | 0.0083     |
| 17    | -8.9540      | 1     | 9        | 0.0865        | -1.2562      | 0.1045      | 0.0180     |
| 172   | -8.5410      | 1     | 10       | 0.0962        | -1.1831      | 0.1184      | 0.0222     |
| 15    | -8.3730      | 1     | 11       | 0.1058        | -1.1534      | 0.1244      | 0.0186     |
| 22    | -8.1665      | 1     | 12       | 0.1154        | -1.1168      | 0.1320      | 0.0166     |
| 206   | -7.9840      | 1     | 13       | 0.1250        | -1.0845      | 0.1391      | 0.0141     |
| 126   | -7.9670      | 1     | 14       | 0.1346        | -1.0815      | 0.1397      | 0.0051     |
| 18    | -7.7170      | 1     | 15       | 0.1442        | -1.0373      | 0.1498      | 0.0056     |
| 198   | -7.5035      | 1     | 16       | 0.1538        | -0.9995      | 0.1588      | 0.0049     |
| 24    | -7.3030      | 1     | 17       | 0.1635        | -0.9640      | 0.1675      | 0.0041     |
| 183   | -7.2180      | 1     | 18       | 0.1731        | -0.9490      | 0.1713      | 0.0018     |
| 184   | -7.1223      | 1     | 19       | 0.1827        | -0.9320      | 0.1757      | 0.0070     |
| 28    | -7.0880      | 1     | 20       | 0.1923        | -0.9260      | 0.1772      | 0.0151     |
| 157   | -7.0530      | 1     | 21       | 0.2019        | -0.9198      | 0.1788      | 0.0231     |
| 209   | -6.4300      | 1     | 22       | 0.2115        | -0.8095      | 0.2091      | 0.0024     |
| 20    | -6.1844      | 1     | 23       | 0.2212        | -0.7660      | 0.2218      | 0.0007     |
| 26    | -6.1027      | 1     | 24       | 0.2308        | -0.7516      | 0.2262      | 0.0046     |
| 179   | -6.0250      | 1     | 25       | 0.2404        | -0.7378      | 0.2303      | 0.0101     |
| 175   | -5.9480      | 1     | 26       | 0.2500        | -0.7242      | 0.2345      | 0.0155     |
| 164   | -5.6970      | 1     | 27       | 0.2596        | -0.6798      | 0.2483      | 0.0113     |
| 199   | -5.6284      | 1     | 28       | 0.2692        | -0.6676      | 0.2522      | 0.0171     |
| 165   | -5.5400      | 1     | 29       | 0.2788        | -0.6520      | 0.2572      | 0.0216     |
| 181   | -5.4435      | 1     | 30       | 0.2885        | -0.6349      | 0.2627      | 0.0257     |
| 171   | -5.4179      | 1     | 31       | 0.2981        | -0.6304      | 0.2642      | 0.0339     |
| 25    | -5.3000      | 1     | 32       | 0.3077        | -0.6095      | 0.2711      | 0.0366     |
| 205   | -4.9520      | 1     | 33       | 0.3173        | -0.5479      | 0.2919      | 0.0254     |
| 142   | -4.9341      | 1     | 34       | 0.3269        | -0.5448      | 0.2930      | 0.0340     |
| 27    | -4.9121      | 1     | 35       | 0.3365        | -0.5409      | 0.2943      | 0.0422     |
| 166   | -4.8900      | 1     | 36       | 0.3462        | -0.5370      | 0.2956      | 0.0505     |
| 23    | -4.8630      | 1     | 37       | 0.3558        | -0.5322      | 0.2973      | 0.0585     |
| 125   | -4.6656      | 1     | 38       | 0.3654        | -0.4973      | 0.3095      | 0.0559     |
| 186   | -4.4633      | 1     | 39       | 0.3750        | -0.4615      | 0.3222      | 0.0528     |
| 146   | -4.4400      | 1     | 40       | 0.3846        | -0.4573      | 0.3237      | 0.0609     |

**NORMALIDAD Y**

| Punto | Diferencia Y | f obs | f ac obs | prob acum obs | Z tipificado | prob acum Z | Diferencia |
|-------|--------------|-------|----------|---------------|--------------|-------------|------------|
| 174   | -4.1600      | 1     | 41       | 0.3942        | -0.4078      | 0.3417      | 0.0525     |
| 182   | -3.3325      | 1     | 42       | 0.4038        | -0.2613      | 0.3969      | 0.0069     |
| 158   | -3.0650      | 1     | 43       | 0.4135        | -0.2140      | 0.4153      | 0.0018     |
| 1     | -2.8235      | 1     | 44       | 0.4231        | -0.1712      | 0.4320      | 0.0089     |
| 167   | -2.8130      | 1     | 45       | 0.4327        | -0.1694      | 0.4327      | 0.0001     |
| 148   | -2.8080      | 1     | 46       | 0.4423        | -0.1685      | 0.4331      | 0.0092     |
| 173   | -2.6730      | 1     | 47       | 0.4519        | -0.1446      | 0.4425      | 0.0094     |
| 145   | -2.6430      | 1     | 48       | 0.4615        | -0.1393      | 0.4446      | 0.0169     |
| 151   | -2.5860      | 1     | 49       | 0.4712        | -0.1292      | 0.4486      | 0.0226     |
| 185   | -2.4410      | 1     | 50       | 0.4808        | -0.1036      | 0.4588      | 0.0220     |
| 160   | -2.3764      | 1     | 51       | 0.4904        | -0.0921      | 0.4633      | 0.0271     |
| 192   | -2.1721      | 1     | 52       | 0.5000        | -0.0560      | 0.4777      | 0.0223     |
| 124   | -2.1072      | 1     | 53       | 0.5096        | -0.0445      | 0.4823      | 0.0274     |
| 128   | -2.0386      | 1     | 54       | 0.5192        | -0.0323      | 0.4871      | 0.0321     |
| 129   | -1.9220      | 1     | 55       | 0.5288        | -0.0117      | 0.4953      | 0.0335     |
| 2     | -1.6256      | 1     | 56       | 0.5385        | 0.0408       | 0.5163      | 0.0222     |
| 132   | -1.5351      | 1     | 57       | 0.5481        | 0.0568       | 0.5226      | 0.0254     |
| 208   | -1.4970      | 1     | 58       | 0.5577        | 0.0635       | 0.5253      | 0.0324     |
| 196   | -1.3414      | 1     | 59       | 0.5673        | 0.0910       | 0.5363      | 0.0310     |
| 149   | -1.3012      | 1     | 60       | 0.5769        | 0.0982       | 0.5391      | 0.0378     |
| 156   | -1.2469      | 1     | 61       | 0.5865        | 0.1078       | 0.5429      | 0.0436     |
| 170   | -1.1791      | 1     | 62       | 0.5962        | 0.1198       | 0.5477      | 0.0485     |
| 143   | -1.1220      | 1     | 63       | 0.6058        | 0.1299       | 0.5517      | 0.0541     |
| 150   | -0.6880      | 1     | 64       | 0.6154        | 0.2067       | 0.5819      | 0.0335     |
| 137   | 0.1140       | 1     | 65       | 0.6250        | 0.3486       | 0.6363      | 0.0113     |
| 144   | 0.2230       | 1     | 66       | 0.6346        | 0.3679       | 0.6435      | 0.0089     |
| 159   | 0.2390       | 1     | 67       | 0.6442        | 0.3707       | 0.6446      | 0.0004     |
| 135   | 0.2621       | 1     | 68       | 0.6538        | 0.3748       | 0.6461      | 0.0077     |
| 21    | 0.3540       | 1     | 69       | 0.6635        | 0.3911       | 0.6521      | 0.0113     |
| 4     | 0.4000       | 1     | 70       | 0.6731        | 0.3992       | 0.6551      | 0.0179     |
| 200   | 0.4900       | 1     | 71       | 0.6827        | 0.4152       | 0.6610      | 0.0217     |
| 197   | 0.5105       | 1     | 72       | 0.6923        | 0.4188       | 0.6623      | 0.0300     |
| 136   | 0.5540       | 1     | 73       | 0.7019        | 0.4265       | 0.6651      | 0.0368     |
| 123   | 0.5820       | 1     | 74       | 0.7115        | 0.4314       | 0.6669      | 0.0446     |
| 190   | 0.6540       | 1     | 75       | 0.7212        | 0.4442       | 0.6715      | 0.0496     |
| 210   | 0.6960       | 1     | 76       | 0.7308        | 0.4516       | 0.6742      | 0.0565     |
| 155   | 0.7340       | 1     | 77       | 0.7404        | 0.4583       | 0.6766      | 0.0637     |
| 169   | 0.8071       | 1     | 78       | 0.7500        | 0.4713       | 0.6813      | 0.0687     |
| 195   | 0.9750       | 1     | 79       | 0.7596        | 0.5010       | 0.6918      | 0.0678     |
| 188   | 1.0983       | 1     | 80       | 0.7692        | 0.5228       | 0.6994      | 0.0698     |
| 194   | 1.4950       | 1     | 81       | 0.7788        | 0.5930       | 0.7234      | 0.0554     |
| 168   | 1.7670       | 1     | 82       | 0.7885        | 0.6412       | 0.7393      | 0.0492     |
| 122   | 1.8170       | 1     | 83       | 0.7981        | 0.6500       | 0.7422      | 0.0559     |
| 147   | 1.8710       | 1     | 84       | 0.8077        | 0.6596       | 0.7452      | 0.0625     |
| 189   | 2.2755       | 1     | 85       | 0.8173        | 0.7311       | 0.7677      | 0.0497     |
| 193   | 2.3600       | 1     | 86       | 0.8269        | 0.7461       | 0.7722      | 0.0547     |
| 139   | 2.4370       | 1     | 87       | 0.8365        | 0.7597       | 0.7763      | 0.0602     |
| 131   | 2.7615       | 1     | 88       | 0.8462        | 0.8172       | 0.7931      | 0.0531     |
| 133   | 2.8170       | 1     | 89       | 0.8558        | 0.8270       | 0.7959      | 0.0599     |

**NORMALIDAD Y**

| <b>Punto</b> | <b>Diferencia Y</b> | <b>f obs</b> | <b>f ac obs</b> | <b>prob acum obs</b> | <b>Z tipificado</b> | <b>prob acum Z</b> | <b>Diferencia</b> |
|--------------|---------------------|--------------|-----------------|----------------------|---------------------|--------------------|-------------------|
| 201          | 3.4694              | 1            | 90              | 0.8654               | 0.9424              | 0.8270             | 0.0384            |
| 161          | 3.4980              | 1            | 91              | 0.8750               | 0.9475              | 0.8283             | 0.0467            |
| 180          | 3.7355              | 1            | 92              | 0.8846               | 0.9895              | 0.8388             | 0.0458            |
| 202          | 3.9590              | 1            | 93              | 0.8942               | 1.0291              | 0.8483             | 0.0460            |
| 203          | 4.2600              | 1            | 94              | 0.9038               | 1.0824              | 0.8605             | 0.0434            |
| 163          | 5.4460              | 1            | 95              | 0.9135               | 1.2922              | 0.9019             | 0.0116            |
| 162          | 5.8990              | 1            | 96              | 0.9231               | 1.3724              | 0.9150             | 0.0080            |
| 140          | 6.3623              | 1            | 97              | 0.9327               | 1.4544              | 0.9271             | 0.0056            |
| 204          | 8.8080              | 1            | 98              | 0.9423               | 1.8872              | 0.9704             | 0.0281            |
| 191          | 9.4170              | 1            | 99              | 0.9519               | 1.9950              | 0.9770             | 0.0251            |
| 121          | 10.6400             | 1            | 100             | 0.9615               | 2.2115              | 0.9865             | 0.0250            |
| 127          | 10.8711             | 1            | 101             | 0.9712               | 2.2524              | 0.9879             | 0.0167            |
| 130          | 11.5430             | 1            | 102             | 0.9808               | 2.3713              | 0.9911             | 0.0104            |
| 138          | 15.4000             | 1            | 103             | 0.9904               | 3.0539              | 0.9989             | 0.0085            |
| 207          | 15.6080             | 1            | 104             | 1.0000               | 3.0907              | 0.9990             | 0.0010            |