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TABLE IV CHI SQUARE TEST OF KNOWNS VERSUS UNKNOWNS ON THE BASIS OF SHAPE

| Shape | Number of KNOWNS | Adjusted Number of KNOWNS (K) | Number of UNKNOWNS (n) | $X^2$, $\frac{(K-n)^2}{K}$ |
|---|---|---|---|---|
| Elliptical | 838 | 206 | 195 | 0.59 |
| Rocket and aircraft | 80 | 20 | 33 | 8.45 |
| Meteor or comet | 55 | 14 | 4 | 7.14 |
| Teardrop, lenticular, or conical | 103 | 26 | 22 | 0.36 |
| Flame | 96 | 24 | 10 | 8.17 |
| Other | 193 | 47 | 54 | 1.04 |
| Not stated | 400 | 98 | 116 | 3.30 |
| Total | 1765 | 434 | 434 | 29.05 |
| Degrees of freedom | | | | 6 |
| 5% | | | | 12.6 |
| 1% | | | | 16.8 |

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