

TABLE X CHI SQUARE TEST OF REVISED KNOWN VS UNKNOWN ON THE BASIS OF SHAPE

Shape	Number of KNOWN	Adjusted Number of KNOWN (K)	Number of UNKNOWN (n)	$\frac{X^2}{K}$
Elliptical	632	213	195	1.52
Rocket or aircraft	72	24	33	3.37
Meteor or comet	9	3	4	1.32
Flame	47	16	10	
Teardrop, lenticular, or conical	79	27	22	0.93
Other	151	51	54	1.76
Not stated	296	100	116	2.56
Total	1286	434	434	11.46
Degrees of freedom				5
5%				11.1
1%				15.1

TABLE XI CHI SQUARE TEST OF REVISED KNOWN VS UNKNOWN ON THE BASIS OF DURATION OF OBSERVATION

Duration of Observation	Number of KNOWN	Adjusted Number of KNOWN (K)	Number of UNKNOWN (n)	$\frac{X^2}{K}$
5 sec or less	92	31	27	0.52
6-10 sec	47	16	21	1.56
11-30 sec	118	40	33	1.23
31-60 sec	92	31	42	3.90
61 sec-5 min	252	85	99	2.31
6 min-30 min	259	87	71	2.94
Over 30 min	91	31	37	1.16
Not stated	335	113	104	0.72
Total	1286	434	434	14.34
Degrees of freedom				7
5%				14.1
1%				18.5

TABLE XII CHI SQUARE TEST OF REVISED KNOWN VS UNKNOWN ON THE BASIS OF SPEED

Speed	Number of KNOWN	Adjusted Number of KNOWN (K)	Number of UNKNOWN (n)	$\frac{X^2}{K}$
Stationary	196	66	53	2.56
Less than 100 mph	128	43	26	6.72
100 to 400 mph	156	53	58	0.47
Over 400 mph	291	98	145	28.54
Meteor-like	24	8	16	
Not stated	491	166	136	5.42
Total	1286	434	434	43.71
Degrees of freedom				4
5%				9.5
1%				13.3

TABLE XIII CHI SQUARE TEST OF REVISED KNOWN VS UNKNOWN ON THE BASIS OF LIGHT BRIGHTNESS

Light Brightness	Number of KNOWN	Adjusted Number of KNOWN (K)	Number of UNKNOWN (n)	$\frac{X^2}{K}$
Sunlight on mirror	24	8	14	2.67
Sunlight on aluminum	136	46	28	
Sunlight on plaster, stone, or soil	63	21	16	1.19
Brighter than moon	143	48	61	3.52
Like moon or duller than moon	42	15	22	3.27
Not stated	878	296	293	0.03
Total	1286	434	434	10.68
Degrees of freedom				4
5%				9
1%				13.3