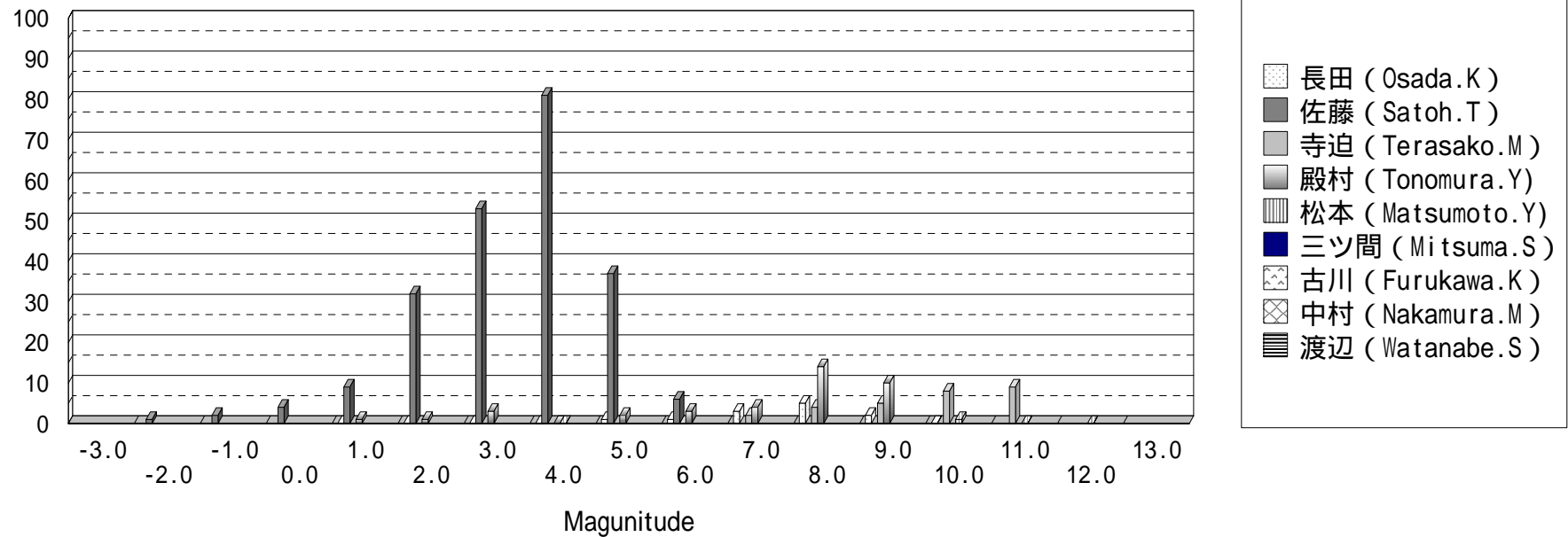


Magnitude Distributions of the Telescopic observations in November,2002

| | -4.0 | -3.0 | -2.0 | -1.0 | 0.0 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | L-Mag | Total | Avg Mag. | |
|------------------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|-------|-------------|----------|-------|
| 長田 (Osada.K) | | | | | | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 5 | 2 | 0 | | | | | 8.5 - 10.0 | 12 | 7.50 |
| 佐藤 (Satoh.T) | 2 | | 1 | 2 | 4 | 9 | 32 | 53 | 81 | 37 | 6 | | | | | | | | | 5.5- 7.0 | 227 | 3.37 |
| 寺迫 (Terasako.M) | | | | | | | | | | | 0 | 2 | 4 | 5 | 8 | 9 | | | | 10.0 - 12.0 | 28 | 9.64 |
| 殿村 (Tonomura.Y) | | | | | | 1 | 1 | 3 | 0 | 2 | 3 | 4 | 14 | 10 | | | | | | 9.0- 9.5 | 38 | 7.11 |
| 松本 (Matsumoto.Y) | | | | | | | | | 0 | | | | | | 1 | 0 | 0 | | | 12.0 | 1 | 10.00 |
| Total | 2 | 0 | 1 | 2 | 4 | 10 | 33 | 56 | 81 | 40 | 10 | 9 | 23 | 17 | 9 | 9 | 0 | 0 | | | 306 | 4.62 |

Magnitude Distributions of the Telescopic observations in November,2002

Meteor



The Leonids Shower Magnitude Distributions of the Telescopic observations Nov.19 , 2002 by Y.Tonomura

| Date(JST) | -3.0 | -2.0 | -1.0 | 0.0 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | L-Mag | Total | Avg Mag. | |
|--------------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|-------|-------|----------|------|
| Nov.19.18:30 | 0 | | | | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 3 | 5 | | | | | | 9.0 | 11 | 7.64 |
| Nov.19.19:30 | 0 | | | | 0 | 1 | 2 | 0 | 1 | 3 | 3 | 4 | 2 | | | | | | 9.5 | 16 | 6.38 |
| Nov.19.20:30 | 0 | | | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | | | | | | 9.5 | 9 | 7.56 |

| | | | | | | | | | | | | | | | | | | | | |
|-------|--|---|---|---|---|---|---|---|---|---|---|---|----|----|---|---|---|---|----|------|
| Total | | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 0 | 2 | 3 | 4 | 12 | 10 | 0 | 0 | 0 | 0 | 36 | 7.06 |
|-------|--|---|---|---|---|---|---|---|---|---|---|---|----|----|---|---|---|---|----|------|

