

TABLE 7b.—Sporadic Super-Schmidt meteors:  $\log \tau_s/\rho_m^2$  as a function of meteoric velocity for three groups of different brightness and equal speed distribution.

| Velocity, $v$<br>( $10^3 \text{ cm s}^{-1}$ ) | Faintest |          |                                        | Intermediate               |     |          | Brightest meteors                      |                            |     |          |                                        |                            |
|-----------------------------------------------|----------|----------|----------------------------------------|----------------------------|-----|----------|----------------------------------------|----------------------------|-----|----------|----------------------------------------|----------------------------|
|                                               | no.      | $\log v$ | $\log \tau_p/\rho_m^2 \pm \text{S.d.}$ | $\epsilon \pm \text{S.d.}$ | no. | $\log v$ | $\log \tau_p/\rho_m^2 \pm \text{S.d.}$ | $\epsilon \pm \text{S.d.}$ | no. | $\log v$ | $\log \tau_p/\rho_m^2 \pm \text{S.d.}$ | $\epsilon \pm \text{S.d.}$ |
| 10-20                                         | 21       | 6.196    | -11.55 $\pm$ 0.17                      | -0.94 $\pm$ 0.03           | 21  | 6.239    | -11.55 $\pm$ 0.17                      | -0.62 $\pm$ 0.03           | 20  | 6.242    | -11.25 $\pm$ 0.15                      | 0.06 $\pm$ 0.07            |
| 20-30                                         | 28       | 6.382    | -11.21 $\pm$ 0.13                      | -0.90 $\pm$ 0.03           | 29  | 6.393    | -11.60 $\pm$ 0.13                      | -0.61 $\pm$ 0.02           | 28  | 6.386    | -11.31 $\pm$ 0.12                      | -0.10 $\pm$ 0.07           |
| 30-40                                         | 11       | 6.528    | -11.00 $\pm$ 0.21                      | -0.80 $\pm$ 0.04           | 11  | 6.529    | -11.05 $\pm$ 0.14                      | -0.40 $\pm$ 0.05           | 12  | 6.509    | -11.13 $\pm$ 0.14                      | 0.18 $\pm$ 0.06            |
| 40-50                                         | 7        | 6.636    | -10.84 $\pm$ 0.16                      | -0.76 $\pm$ 0.05           | 6   | 6.652    | -11.07 $\pm$ 0.29                      | -0.35 $\pm$ 0.04           | 7   | 6.666    | -11.08 $\pm$ 0.18                      | 0.09 $\pm$ 0.13            |
| 50-60                                         | 5        | 6.758    | -10.67 $\pm$ 0.16                      | -0.75 $\pm$ 0.06           | 5   | 6.729    | -10.85 $\pm$ 0.29                      | -0.37 $\pm$ 0.06           | 6   | 6.750    | -10.82 $\pm$ 0.18                      | 0.22 $\pm$ 0.12            |
| 60-73                                         | 10       | 6.807    | -10.82 $\pm$ 0.11                      | -0.60 $\pm$ 0.05           | 10  | 6.811    | -11.67 $\pm$ 0.14                      | -0.34 $\pm$ 0.02           | 10  | 6.832    | -10.96 $\pm$ 0.28                      | 0.08 $\pm$ 0.10            |
| Global                                        | 82       | 6.416    | -11.23 $\pm$ 0.08                      | -0.86 $\pm$ 0.02           | 82  | 6.435    | -11.44 $\pm$ 0.08                      | -0.53 $\pm$ 0.02           | 83  | 6.444    | -11.19 $\pm$ 0.07                      | 0.04 $\pm$ 0.04            |
|                                               |          |          | $n=1.59 \pm 0.25$                      |                            |     |          | $n=0.95 \pm 0.27$                      |                            |     |          | $n=0.57 \pm 0.24$                      |                            |