**Table 1.** Core behavioral elements of *Masius* display dances in this study. Single-letter codes used in display strings are given on the left. The percent (rounded) of displays featuring the behavior in the final dataset are given across 251 SOLO displays, 89 AUDI displays, and 13 COP displays. Voucher videos of behaviors are archived at the Macaulay Library of Natural Sounds at Cornell University.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Element %** | **SOLO** | **AUDI** | **COP** | **Description** |
| A. | Zero | 100 | 27 | 0 | Paused (>5 s) while on the display log |
| B. | Audible log-approach dive | 100 | 100 | 100 | Swoop with vocalization from near the canopy to the log, with a dramatic snap and gymnastic vault upon landing |
| C. | Silent log-approach dive | 69 | 1 | 0 | Same swoop as above, though lacking vocalization and often lacking gymnastics |
| D. | Side-to-side bow | 100 | 100 | 100 | Movement from one edge of the display log to the other, then bowing head almost to the log surface |
| E. | Half bow | 43 | 18 | 15 |  |
| F. | Head-down bow | 99 | 99 | 0 | Stationary, chin-down posture with head held close to the surface of the log |
| G. | Metronome | 0 | 1 | 0 | Rhythmic swaying while perched near the log |
| H. | Position switch | 7 | 46 | 8 | Rapid body rotation (generally ~45°) |
| I. | Neck twist | 8 | 97 | 69 | With feet planted, lowering the side of the head towards the surface of the log |
| J. | To-and-fro flight | 25 | 87 | 15 | Flights of variable duration and distance from the log and back. |
| K. | Mixed | 14 | 4 | 0 | Mixture of two defined elements |
| L. | Other | 27 | 7 | 8 | Uncharacterized or miscellaneous behaviors (e.g., wing flashing) |

**Figure 1.** Repertoire complexity of *Masius* displays.

**Figure 2.** Syntax complexity of *Masius* displays.

**Figure 3.** Context *vs.* individual variation in *Masius* displays.