

SUPPLEMENTARY MATERIAL

Verea, C. (2023) Records of mobbing behavior in Venezuelan wild birds. *Ornitologia Neotropical* 34: 49–61

Bird-to-bird mobbing events recorded in wild bird species of northern Venezuela, including mobber and mobbed species involved, body size and body mass ratio between the mobber/mobbed species. Individual body size and body mass data of each mobber and mobbed species in parenthesis. Body sizes according to Meyer de Schauensee & Phelps (1978) and body masses according to Dunning (2008) and Verea et al. (1999).

Mobber species	Mobbed species	Body size ratio ¹	Body mass ratio ¹	Localities ²
Cattle Egret <i>Bubulcus ibis</i> (430 mm; 512.0 g)	Common Black Hawk <i>Buteogallus anthracinus</i> (510 mm; 793.0 g)	1: 1.2	1: 1.6	LNF
Roadside Hawk <i>Rupornis magnirostris</i> (380 mm; 269.0 g)	Common Black Hawk <i>Buteogallus anthracinus</i> (510 mm; 793.0 g)	1: 1.3	1: 2.9	LNF
	Crested Oropendola <i>Psarocolius decumanus</i> (410 mm; 280.0 g)	1: 1.1	1: 1.0	LNF
Aplomado Falcon <i>Falco femoralis</i> (460 mm; 271.0 g)	Crested Caracara <i>Caracara plancus</i> (530 mm; 834.0 g)	1: 1.2	1: 3.1	UCV
Southern Lapwing <i>Vanellus chilensis</i> (330 mm; 327.0 g)	Little Blue Heron <i>Ardea caerulea</i> (600 mm; 364.0 g)	1: 1.8	1: 1.1	TAG
Scarlet-fronted Parakeet <i>Psittacara wagleri</i> (330 mm; 194.0 g)	Yellow-headed Caracara <i>Milvago chimachima</i> (460 mm; 302.0 g)	1: 1.4	1: 1.5	LNF
Sooty-capped Hermit <i>Phaethornis augusti</i> (130 mm; 6.0 g)	Southern Rough-winged Swallow <i>Stelgidopteryx ruficollis</i> (130 mm; 16.1 g)	1: 1.0	1: 2.6	LNF
	House Wren <i>Troglodytes aedon</i> (106 mm; 11.6 g)	1: 0.8	1: 1.9	LNF
Blue-tailed Emerald <i>Chlorostilbon mellisugus</i> (68 mm; 2.7 g)	Roadside Hawk <i>Rupornis magnirostris</i> (380 mm; 269.0 g)	1: 5.6	1: 100.0	LNF
	Swallow-Tanager <i>Tersina viridis</i> (130 mm; 29.0 g)	1: 1.9	1: 10.7	LNF
White-vented Plumeleteer <i>Chalybura buffonii</i> (115 mm; 7.1 g)	Crested Caracara <i>Caracara plancus</i> (530 mm; 834.0 g)	1: 4.6	1: 117.5	LNF
Buffy Hummingbird <i>Leucippus fallax</i> (90 mm; 6.0 g)	Yellow-headed Caracara <i>Milvago chimachima</i> (460 mm; 302.0 g)	1: 5.1	1: 50.0	EFI
	American Krestel <i>Falco sparverius</i> (260 mm; 111.0 g)	1: 2.9	1: 18.5	EFI
	Tropical Mockingbird <i>Mimus gilvus</i> (250 mm; 76.0 g)	1: 2.8	1: 12.7	EFI

Copper-rumped Hummingbird <i>Saucerottia tobaci</i> (80 mm; 4,7 g)	Sooty-capped Hermit <i>Phaethornis augusti</i> (130 mm; 6.0 g)	1: 1.6	1: 1.3	LNF
	Rufous-breasted Hermit <i>Glaucis hirsutus</i> (106 mm; 5.9 g)	1: 1.3	1: 1.3	LNF
	Black-throated Mango <i>Antharcothorax nigricollis</i> (110 mm; 7.0 g)	1: 1.4	1: 1.5	LNF
	White-vented Plumeleteer <i>Chalybura buffonii</i> (115 mm; 7.1 g)	1: 1.5	1: 1.5	LNF
	Short-tailed Hawk <i>Buteo brachyurus</i> (410 mm; 422.0 g)	1: 1.4	1: 89.8	LNF
	Roadside Hawk <i>Rupornis magnirostris</i> (380 mm; 269.0 g)	1: 4.8	1: 57.2	LNF
	Olivaceous Woodcreeper <i>Sittasomus griseicapillus</i> (165 mm; 16.0 g)	1: 2.1	1: 3.4	LNF
	Tropical Kingbird <i>Tyrannus melancholicus</i> (225 mm; 37.4 g)	1: 2.8	1: 8.0	LNF
	Boat-billed Flycatcher <i>Megarynchus pitangua</i> (220 mm; 77.0 g)	1: 2.8	1: 16.4	LNF
	Blue-gray Tanager <i>Thraupis episcopus</i> (165 mm; 35.0 g)	1: 2.1	1: 7.4	LNF
Silver-beaked Tanager <i>Ramphocelus carbo</i> (180 mm; 28.0 g)	1: 2.3	1: 6.0	LNF	
Brown Violetear <i>Colibri delphinae</i> (115 mm; 6.4 g)	Sparkling Violetear <i>Colibri coruscans</i> (140 mm; 6.7 g)	1: 1.2	1: 1.1	TEG
	White-vented Plumeleteer <i>Chalybura buffonii</i> (115 mm; 7.1 g)	1: 1.0	1: 1.1	TEG
	Bananaquit <i>Coereba flaveola</i> (115 mm; 12.0 g)	1: 1.0	1: 1.9	TEG
	Silver-beaked Tanager <i>Ramphocelus carbo</i> (180 mm; 28.0 g)	1: 1.6	1: 4.4	TEG
Scaled Piculet <i>Picumnus squamulatus</i> (90 mm; 10.2 g)	Lineated Woodpecker <i>Dryocopus lineatus</i> (350 mm; 194.0 g)	1: 3.9	1: 19.0	LNF
Crimson-crested Woodpecker <i>Campephilus melanoleucos</i> (360 mm; 256.0 g)	Crane Hawk <i>Geranospiza caerulescens</i> (530 mm; 279.0 g)	1: 1.5	1: 1.1	LNF
Rufous-fronted Thornbird <i>Phacellodomus rufifrons</i> (180 mm; 31.0 g)	Roadside Hawk <i>Rupornis magnirostris</i> (380 mm; 269.0 g)	1: 2.1	1: 8.6	LNF

Tropical Kingbird <i>Tyrannus melancholicus</i> (225 mm; 37.4 g)	Turkey Vulture <i>Cathartes aura</i> (630 mm; 1,430.0 g)	1: 2.8	1: 38.2	LNF
	Yellow-headed Vulture <i>Cathartes burrovianus</i> (760 mm; 935.0 g)	1: 3.4	1: 25.0	PBN
	Gray-headed Kite <i>Leptodon cayanensis</i> (510 mm; 474.0 g)	1: 2.3	1: 12.6	LNF
	Black Vulture <i>Coragyps atratus</i> (560 mm; 1,640.0 g)	1: 2.5	1: 43.9	LNF
	Roadside Hawk <i>Rupornis magnirostris</i> (380 mm; 269.0 g)	1: 1.7	1: 7.2	LNF
	Gray-lined Hawk <i>Buteo nitidus</i> (430 mm; 429.0 g)	1: 1.9	1: 11.5	LNF
	Short-tailed Hawk <i>Buteo brachyurus</i> (410 mm; 422.0 g)	1: 1.8	1: 11.3	LNF
	White-tailed Hawk <i>Geranoaetus albicaudatus</i> (600 mm; 844.0 g)	1: 2.7	1: 22.5	LNF
	Common Black Hawk <i>Buteogallus anthracinus</i> (510 mm; 793.0 g)	1: 2.3	1: 21.2	LNF
	Laughing Hawk <i>Herpetotheres cachinnans</i> (560 mm; 583.0 g)	1: 2.5	1: 15.6	LNF
	Yellow-headed Caracara <i>Milvago chimachima</i> (460 mm; 302.0 g)	1: 2.0	1: 8.0	LNF, VIÑ
	Crested Caracara <i>Caracara plancus</i> (530 mm; 834.0 g)	1: 2.4	1: 22.3	LNF
	Barn Owl <i>Tyto alba</i> (380 mm; 330.0 g)	1: 1.7	1: 8.8	LNF
	Crested Oropendola <i>Psarocolius decumanus</i> (410 mm; 280.0 g)	1: 1.8	1: 7.5	LNF
Great Kiskadee <i>Pitangus sulphuratus</i> (216 mm; 61.0 g)	Common Black Hawk <i>Buteogallus anthracinus</i> (510 mm; 793.0 g)	1: 2.3	1: 13.0	LNF
	Roadside Hawk <i>Rupornis magnirostris</i> (380 mm; 269.0 g)	1: 1.8	1: 4.4	LNF
	Yellow-headed Caracara <i>Milvago chimachima</i> (460 mm; 302.0 g)	1: 2.1	1: 5.0	LNF
	Crane Hawk <i>Geranospiza caerulescens</i> (530 mm; 279.0 g)	1: 2.5	1: 4.6	LNF

	Crested Oropendola <i>Psarocolius decumanus</i> (410 mm; 280.0 g)	1: 1.9	1: 4.6	LNF
Streaked Flycatcher <i>Myiodynastes maculatus</i> (190 mm; 43.2 g)	Roadside Hawk <i>Rupornis magnirostris</i> (380 mm; 269.0 g)	1: 1.4	1: 6.2	LNF
	Yellow-headed Caracara <i>Milvago chimachima</i> (460 mm; 302.0 g)	1: 2.4	1: 7.0	LNF
	Crested Oropendola <i>Psarocolius decumanus</i> (410 mm; 280.0 g)	1: 2.2	1: 6.5	LNF
	Rufous-vented Chachalaca <i>Ortalis ruficauda</i> (530 mm; 640.0 g)	1: 2.8	1: 14.8	LNF
Boat-billed Flycatcher <i>Megarynchus pitangua</i> (220 mm; 77.0 g)	Roadside Hawk <i>Rupornis magnirostris</i> (380 mm; 269.0 g)	1: 1.7	1: 3.5	LNF
	Yellow-headed Caracara <i>Milvago chimachima</i> (460 mm; 302.0 g)	1: 2.1	1: 3.9	LNF
Social Flycatcher <i>Myiozetetes similis</i> (160 mm; 28.0 g)	Roadside Hawk <i>Rupornis magnirostris</i> (380 mm; 269.0 g)	1: 2.4	1: 9.6	LNF
	Short-tailed Hawk <i>Buteo brachyurus</i> (410 mm; 422.0 g)	1: 2.6	1: 15.0	LNF
	Yellow-headed Caracara <i>Milvago chimachima</i> (460 mm; 302.0 g)	1: 2.9	1: 10.8	LNF
	Crested Oropendola <i>Psarocolius decumanus</i> (410 mm; 280.0 g)	1: 2.6	1: 10.0	LNF
Rusty-margined Flycatcher <i>Myiozetetes cayanensis</i> (180 mm; 25.9 g)	Roadside Hawk <i>Rupornis magnirostris</i> (380 mm; 269.0 g)	1: 2.1	1: 10.4	LNF
	Short-tailed Hawk <i>Buteo brachyurus</i> (410 mm; 422.0 g)	1: 2.3	1: 16.3	LNF
	Yellow-headed Caracara <i>Milvago chimachima</i> (460 mm; 302.0 g)	1: 2.6	1: 11.6	LNF
	Crested Oropendola <i>Psarocolius decumanus</i> (410 mm; 280.0 g)	1: 1.3	1: 10.8	LNF
Mouse-colored Tyrannulet <i>Phaeomyias murina</i> (106 mm; 11.0 g)	Pale-breasted Thrush <i>Turdus leucomelas</i> (234 mm; 88.0 g)	1: 2.2	1: 8.0	LNF
	Great Kiskadee <i>Pitangus sulphuratus</i> (216 mm; 61.0 g)	1: 2.0	1: 5.6	LNF
Yellow-bellied Elaenia <i>Elaenia flavogaster</i> (165 mm; 24.0 g)	Crested Oropendola <i>Psarocolius decumanus</i> (410 mm; 280.0 g)	1: 2.5	1: 11.6	LNF

Green Jay <i>Cyanocorax yncas</i> (280 mm; 78.5 g)	Double-Toothed Kite <i>Harpagus bidentatus</i> (350 mm; 181.0 g)	1: 1.3	1: 2.3	RAG
	Groove-billed Toucanet <i>Aulacorhynchus sulcatus</i> (330 mm; 175.0)	1: 1.2	1: 2.2	RAG
Southern Rough-winged Swallow <i>Stelgidopteryx ruficollis</i> (130 mm; 16.1 g)	Roadside Hawk <i>Rupornis magnirostris</i> (380 mm; 269.0 g)	1: 2.9	1: 16.7	LNF
Pale-breasted Thrush <i>Turdus leucomelas</i> (234 mm; 88.0 g)	Rufous-vented Chachalaca <i>Ortalis ruficauda</i> (530 mm; 640.0 g)	1: 2.3	1: 7.2	LNF
	Roadside Hawk <i>Rupornis magnirostris</i> (380 mm; 269.0 g)	1: 1.6	1: 3.1	LNF
	Yellow-headed Caracara <i>Milvago chimachima</i> (460 mm; 302.0 g)	1: 2.0	1: 3.4	LNF
	Crested Oropendola <i>Psarocolius decumanus</i> (410 mm; 280.0 g)	1: 1.8	1: 4.3	LNF
Spectacled Thrush <i>Turdus nudigenis</i> (230 mm; 80.0 g)	Gray-lined Hawk <i>Buteo nitidus</i> (430 mm; 429.0 g)	1: 1.9	1: 5.3	LNF
	Yellow-headed Caracara <i>Milvago chimachima</i> (460 mm; 302.0 g)	1: 2.0	1: 3.8	LNF
	Crested Oropendola <i>Psarocolius decumanus</i> (410 mm; 280.0 g)	1: 1.8	1: 3.5	LNF
Tropical Mockingbird <i>Mimus gilvus</i> (250 mm; 76.0 g)	Cocoi Heron <i>Ardea cocoi</i> (1,210 mm; 3,200.0 g)	1: 4.8	1: 42.1	TRM
	Roadside Hawk <i>Rupornis magnirostris</i> (380 mm; 269.0 g)	1: 1.5	1: 3.5	LNF
	Crested Caracara <i>Caracara plancus</i> (530 mm; 834.0 g)	1: 2.1	1: 11.0	PBN
	Yellow-headed Caracara <i>Milvago chimachima</i> (460 mm; 302.0 g)	1: 1.8	1: 4.0	LNF
Blue-gray Tanager <i>Thraupis episcopus</i> (165 mm; 35.0 g)	Crested Oropendola <i>Psarocolius decumanus</i> (410 mm; 280.0 g)	1: 2.5	1: 8.0	LNF
	Tropical Kingbird <i>Tyrannus melancholicus</i> (225 mm; 37.4 g)	1: 1.3	1: 1.1	LNF
	Squirrel Cuckoo <i>Piaya cayana</i> (430 mm; 96.0 g)	1: 2.6	1: 2.7	LNF
	Rufous-vented Chachalaca <i>Ortalis ruficauda</i> (530 mm; 640.0 g)	1: 3.2	1: 18.3	LNF

Yellow-bellied Seedeater <i>Sporophila nigricollis</i> (115 mm; 10.0 g)	White-lined Tanager <i>Tachyphonus rufus</i> (180 mm; 36.0 g)	1: 1.6	1: 3.6	LNF
	Silver-beaked Tanager <i>Ramphocelus carbo</i> (180 mm; 28.0 g)	1: 1.6	1: 2.6	LNF
	Barred Antshrike <i>Thamnophilus doliatus</i> (150 mm; 28.0 g)	1: 1.3	1: 2.8	LNF
	House Wren <i>Troglodytes aedon</i> (106 mm; 15.0 g)	1: 0.9	1: 1.5	LNF
Crested Oropendola <i>Psarocolius decumanus</i> (410 mm; 280.0 g)	Common Black Hawk <i>Buteogallus anthracinus</i> (510 mm; 793.0 g)	1: 1.2	1: 2.8	LNF
	Yellow-headed Caracara <i>Milvago chimachima</i> (460 mm; 302.0 g)	1: 1.1	1: 1.1	LNF
	Roadside Hawk <i>Rupornis magnirostris</i> (380 mm; 269.0 g)	1: 0.9	1: 1.0	LNF
	Crested Caracara <i>Caracara plancus</i> (530 mm; 834.0 g)	1: 1.3	1: 3.0	LNF
Carib Grackle <i>Quiscalus lugubris</i> (240 mm; 72.5 g)	Black Vulture <i>Coragyps atratus</i> (560 mm; 1,640.0 g)	1: 2.3	1: 22.6	TRM
	Yellow-headed Caracara <i>Milvago chimachima</i> (460 mm; 302.0 g)	1: 1.9	1: 4.2	TRM
	Crested Caracara <i>Caracara plancus</i> (530 mm; 834.0 g)	1: 2.2	1: 11.5	TRM

³Body size and body mass ratio: mobbed/mobber

⁴Localities: LNF, Los Naranjos Farm; TTEG, Topotepuy Ecological Gardens; UCV, Central University of Venezuela, Maracay campus; TRM, Turiamo, Henri Pittier National Park; RAG, Rancho Grande, Henri Pittier National Park; TAG, Laguna Taiguaguay; EFI, El Faro Island, Mochima National Park; PBN, Pueblo Nuevo, Paraguaná; VIÑ, La Viña, Carabobo.