

Role of body size in shaping the trophic structure of tropical seabird communities

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Supplement. Summary of seabird information in each island and summary of secondary isotopic reference material.

Table S1. Summary of seabird species, body mass (g), bill length (mm; average values from adult specimens in all islands with the respective number of individuals) and feeding method from the literature. AR: Atol das Rocas; FN: Fernando de Noronha, SPSPA: São Pedro e São Paulo archipelago, Ab: Abrolhos, Tr: Trindade; ss: surface seizing, d: dipping, pl: plunge diving, pu: pursuit diving, k: kleptoparasitism, sc: scavenger; y: occur year round; b: breeding season only, u: unknown

Species	AR	FN	SPSPA	Ab	Tr	Feeding methods	Body mass (g)	Bill length (mm)	n
White tern <i>Gygis alba</i>		y			u	pl ^a	119	420	4
Black noddy <i>Anous minutus</i>	y	y	y			ss, d, k ^a	134	440	52
Brown noddy <i>Anous stolidus</i>	y	y	y	b	u	ss, d ^b	174	435	82
Sooty tern <i>Onychoprion fuscatus</i>	y	u		b	u	ss, d ^c	180	430	27
Audubon's shearwater <i>Puffinus lherminieri</i>		y				pu, pl ^a	300	241	5
White-tailed tropicbird <i>Phaethon lepturus</i>		y		u		pl ^a	342	470	21
Trindade petrel <i>Pterodroma arminjoniana</i>					y	pu, pl ^d	366	290	59
Red-billed tropicbird <i>Phaethon aethereus</i>		u		y		pu, pl ^a	644	630	20
Red-footed booby <i>Sula sula</i>	y	y				ss, d ^a	900	830	19
Brown booby <i>Sula leucogaster</i>	b	y	y	y		pu, pl, k ^a	1182	990	80
Magnificent frigatebird <i>Fregata magnificens</i>	y	y		y		ss, d, k, sc ^e	1460	1160	22
Masked booby <i>Sula dactylatra</i>	y	y		y	u	pu, pl ^f	1542	1020	59

^aDel Hoyo et al. (1992), ^bChardine & Morris (1996), ^cSchreiber et al. (2002), ^dLuigi et al. (2009), ^eDiamond & Schreiber (2002), ^fGrace & Anderson (2009)

Table S2. Summary of secondary isotopic reference materials (SIRMs) used to calibrate unknowns and measure instrument precision. Accepted values and overall values among all runs are presented as mean \pm SD

Standard	Overall among runs		Accepted values	
	Mean \pm SD (‰)		Mean \pm SD (‰)	
	$\delta^{15}\text{N}$	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$	$\delta^{13}\text{C}$
Purgel	+4.7 \pm 0.1	-13.6 \pm 0.1	+4.7 \pm 0.1	-13.6 \pm 0.1
BWB	+14.3 \pm 0.1	-18.5 \pm 0.1	+14.4 \pm 0.1	-18.5 \pm 0.1
Gel	+5.7 \pm 0.2	-20.4 \pm 0.2	+5.8 \pm 0.1	-20.1 \pm 0.1
^{14}N ALA	+5.1 \pm 0.2	-10.5 \pm 0.4	+5.1 \pm 0.1	-10.6 \pm 0.1
^{15}N ALA	+16.7 \pm 0.1	-23.1 \pm 0.2	+16.7 \pm 0.1	-23.1 \pm 0.0
Bovine	+7.5 \pm 0.2	-21.2 \pm 0.2	+7.5 \pm 0.1	-21.2 \pm 0.2
Poplar	+2.4 \pm 0.1	-27.4 \pm 0.2	+2.4 \pm 0.1	-27.4 \pm 0.2

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