



Appendix: Records with evidence of breeding activities of the Toco Toucan (*Ramphastos toco*) (n = 70) and the Chestnut-eared Aracari (*Pteroglossus castanotis*) (n = 29) not involving nests in the Brazilian Cerrado, and obtained by citizens between 2008 and 2020, with information on the location and date of records, and brief comments on young and adults. Evidence: Co (copulation), Yg (young on the ground), Yfo (young being fed by adults outside the nest), Yp (young perched, outside de nest), Yy (young flying). Young and adults: mdb young (young with a moderately developed bill), sdb young (young with a substantially developed bill). Records were listed by species, then according to the type of evidence and young type, and then chronologically. Data was gathered in the WikiAves database in December 2020.

Species/Evidence	Code	Municipality	State	Date	Young and adults
Toco Toucan					
Co	WA3590041	Bonito	MS	1-Nov-19	Adults on a branch.
Co	WA3989425	Botumirim	MG	26-Sep-20	Adults on a branch.
Co	WA4124817	Brasília	DF	6-Oct-20	Adults on a branch.
Yfo	WA3598230	Brasília	DF	6-Dec-19	1 mdb young being fed by 1 adult with a fruit.
Yfo	WA1431438	Brasília	DF	24-Aug-14	1 sdb young being fed by 1 adult; unknown food item.
Yp	WA241307	Anápolis	GO	15-Nov-10	1 mdb young perched.
Yp	WA1771468	Ribeirão Cascalheira	MT	21-Nov-13	1 mdb young perched.
Yp	WA1235952	São Roque de Minas	MG	15-Dec-13	1 mdb young perched.
Yp	WA3630568	Araxá	MG	2-Jan-14	1 mdb young perched close to 1 adult.
Yp	WA1527634	Brasília	DF	19-Nov-14	1 mdb young perched.
Yp	WA1638648	Bonito	MS	20-Dec-14	1 mdb young perched.
Yp	WA3905988	Brasília	DF	8-Nov-15	1 mdb young perched.
Yp	WA1907322	Brasília	DF	10-Nov-15	1 mdb young perched.
Yp	WA2133270	Brasília	DF	22-Nov-15	1 mdb young perched.
Yp	WA1939429	Campo Grande	MS	8-Dec-15	1 mdb young perched.
Yp	WA2022807	Araras	SP	14-Feb-16	1 mdb young perched.
Yp	WA2357179	Brasília	DF	7-Nov-16	1 mdb young perched.
Yp	WA2359383	Brasília	DF	8-Nov-16	1 mdb young perched.
Yp	WA2398181	Goianira	GO	11-Dec-16	1 mdb young perched.
Yp	WA2456148	Prata	MG	1-Jan-17	1 mdb young perched.
Yp	WA2789362	Davinópolis	GO	5-Nov-17	1 mdb young perched.
Yp	WA2822944	Curvelo	MG	22-Dec-17	1 mdb young perched.
Yp	WA3597083	Brasília	DF	5-Dec-19	3 mdb young perched.
Yp	WA771393	Portelândia	GO	15-Jan-10	1 sdb young perched.
Yp	WA330621	Quirinópolis	GO	14-Apr-11	1 sdb young perched.
Yp	WA532142	Coromandel	MG	18-Dec-11	1 sdb young perched.
Yp	WA598735	Araxá	MG	29-Jan-12	1 sdb young perched.
Yp	WA595304	Araxá	MG	18-Feb-12	1 sdb young perched, and eating a palm fruit.
Yp	WA849154	Pirenópolis	GO	7-Jan-13	1 sdb young perched, and eating a palm fruit.

Yp	WA862648	Ribeirão das Neves	MG	18-Jan-13	1 sdb young perched.
Yp	WA906593	Araxá	MG	9-Mar-13	1 sdb young perched.
Yp	WA1985692	Santa Rosa do Tocantins	TO	19-Jan-14	1 sdb young perched.
Yp	WA1261071	Esmeraldas	MG	16-Feb-14	1 sdb young perched.
Yp	WA1299994	Campo Grande	MS	16-Apr-14	1 sdb young perched.
Yp	WA1550831	Goiânia	GO	17-Dec-14	1 sdb young perched.
Yp	WA2732998	Alto Paraiso de Goiás	GO	15-Feb-15	1 sdb young perched.
Yp	WA2144968	Campo Grande	MS	27-Feb-15	1 sdb young perched.
Yp	WA1951292	Alexânia	GO	19-Dec-15	2 sdb young trying to capture winged termites.
Yp	WA2133863	Chapadão do Céu	GO	20-Dec-15	1 sdb young perched.
Yp	WA2286814	Costa Rica	MS	20-Dec-15	1 sdb young perched.
Yp	WA1982145	Brasília	DF	28-Dec-15	1 sdb young perched.
Yp	WA2010485	Bela Vista de Goiás	GO	24-Jan-16	1 sdb young perched.
Yp	WA2018712	Curvelo	MG	11-Feb-16	1 sdb young perched.
Yp	WA2573924	Alto Paraiso de Goiás	GO	11-Feb-16	1 sdb young perched.
Yp	WA2792837	Cavalcante	GO	29-Apr-16	1 sdb young perched.
Yp	WA2455982	Brasília	DF	18-Dec-16	1 sdb young perched.
Yp	WA2537527	Goiás	GO	13-Apr-17	1 sdb young perched.
Yp	WA2620878	São Francisco	MG	2-Jul-17	1 sdb young perched.
Yp	WA2628430	João Pinheiro	MG	18-Jul-17	1 sdb young perched.
Yp	WA2912953	Brasília	DF	4-Jan-18	1 sdb young perched.
Yp	WA2843464	Porangatu	GO	4-Jan-18	1 sdb young perched.
Yp	WA2850300	Brasília	DF	12-Jan-18	1 sdb young perched.
Yp	WA3235814	Perdizes	MG	25-Dec-18	1 sdb young perched.
Yp	WA3222497	Cuiabá	MT	21-Dec-18	1 sdb young perched.
Yp	WA3237321	Jequitibá	MG	31-Dec-18	1 sdb young perched.
Yp	WA3493915	Rio Quente	GO	31-Jan-19	1 sdb young perched.
Yp	WA3301100	Bonito	MS	2-Mar-19	1 sdb young perched.
Yp	WA3370961	Bodoquena	MS	7-May-19	1 sdb young perched.
Yp	WA3792387	Unaí	MG	25-Dec-19	1 sdb young perched.
Yp	WA3647002	Anápolis	GO	31-Dec-19	1 sdb young perched, and eating a fruit.
Yp	WA3627268	Palmas	TO	1-Jan-20	1 sdb young perched.
Yp	WA3753403	Terenos	MS	16-Jan-20	1 sdb young perched.
Yp	WA3694888	Bonito	MS	3-Feb-20	1 sdb young perched.
Yp	WA4123827	Rio Verde	GO	17-Dec-20	1 sdb young perched.
Yp	WA4134808	Vespasiano	MG	25-Dec-20	1 sdb young perched.
Yg	WA2401981	Brasília	DF	8-Nov-16	1 mdb young on the ground.
Yg	WA2822948	Curvelo	MG	22-Dec-17	1 mdb young on the ground.
Yy	WA2359180	Brasília	DF	7-Nov-16	1 mdb young flying.
Yy	WA3958833	Três Lagoas	MS	10-Feb-15	1 sdb young flying.
Yy	WA3261634	Terenos	MS	26-Jan-19	1 sdb young flying.

Chestnut-eared Aracari					
Co	WA1107201	Quirinópolis	GO	3-Oct-13	Adults on a branch.
Co	WA2237537	Rio Quente	GO	13-Aug-16	Adults on a branch.
Yfo	WA842239	Uberlândia	MG	30-Dec-12	1 mdb young being fed by 1 adult with a fruit.
Yfo	WA3287394	Campo Grande	MS	25-Nov-18	1 mdb young being fed by 1 adult with a fruit.
Yfo	WA3975375	Água Clara	MS	4-May-15	1 sdb young being fed by 1 adult; unknown food item.
Yfo	WA3223396	Goiás	GO	24-Mar-18	1 sdb young being fed by 1 adult; unknown food item.
Yp	WA2305735	Bela Vista de Goiás	GO	6-Jan-14	1 mdb young perched.
Yp	WA1630960	Palmeiras de Goiás	GO	16-Dec-14	1 mdb young perched.
Yp	WA1995512	Uberaba	MG	18-Dec-15	1 mdb young perched.
Yp	WA1984161	Bonito	MS	1-Jan-16	1 mdb young perched.
Yp	WA2502105	Goiânia	GO	2-Dec-16	1 mdb young perched.
Yp	WA2438856	Rio Quente	GO	14-Jan-17	1 mdb young perched.
Yp	WA2843115	Campo Grande	MS	10-Jan-18	2 mdb young perched on the side of 1 adult.
Yp	WA3367752	Dourados	MS	22-Nov-18	1 mdb young perched.
Yp	WA4123828	Rio Verde	GO	18-Dec-20	1 mdb young perched.
Yp	WA87149	Caçu	GO	2-Mar-08	1 sdb young perched.
Yp	WA40135	Arenópolis	GO	2-Jan-09	1 sdb young perched.
Yp	WA1281353	Anastácio	MS	20-Mar-14	1 sdb young perched, and eating a fruit.
Yp	WA1583754	Nerópolis	GO	16-Jan-15	1 sdb young perched.
Yp	WA1613874	Brasília	DF	17 Feb 2015	1 sdb young perched.
Yp	WA2438856	Rio Quente	GO	14-Jan-17	1 sdb young perched.
Yp	WA2445813	Pirenópolis	GO	21-Jan-17	1 sdb young perched.
Yp	WA2502610	Goiânia	GO	29-Jan-17	1 sdb young perched close to 1 adult.
Yp	WA2473957	Campo Grande	MS	3-Feb-17	1 sdb young perched close to 1 adult.
Yp	WA2461397	Bonito	MS	6-Feb-17	1 sdb young perched close to 1 adult.
Yp	WA3239347	Pirenópolis	GO	6-Jan-19	1 sdb young perched.
Yp	WA3269079	Terezópolis de Goiás	GO	26-Jan-19	1 sdb young perched.
Yy	WA1560397	Bonito	MS	9-Dec-14	1 mdb young flying.
Yy	WA2392713	Campo Grande	MS	6-Dec-16	1 mdb young flying.

