

Northeast Brazil

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Introduction

This trip report describes a four-week-trip to Northeast-Brazil, together with good friends Pieter van Veelen, Jelmer Poelstra and Lars Buckx. For three of us, it was our first time of proper birding in South-America. Only Jelmer had been in Ecuador, Peru and Colombia before, but never in this part of the continent. Sjoerd did visit NE Brazil in December 2018 again as a tour leader for BirdingBreaks.nl. Based on the high degree of endemism, combined with the fact many of these endemics are critically endangered, we decided to visit NE-Brazil. Also, it appears to be a good destination to become familiar with the bird families of South-America without getting overwhelmed by the number of species.

While Brazil has always been a birder's destination, the north-eastern part of the country has long been the forgotten corner of Brazil. However, more than 15 birds new to science have been described here over the last 20 years. Of those, the most famous is - of course - Araripe Manakin: only discovered in 1996 and first described in 1998. Even today avian (re)discoveries are 'regular' here, for example the discovery of Blue-eyed ground-Dove in 2016 – a species that was believed to be extinct, as it had last been seen in 1941! Others include Alagoas Foliage-Gleaner, Orange-bellied Antwren and Pinto's Spinetail.

Sadly enough, many of these newly described species and others are now critically endangered or even extinct – with Alagoas Foliage-Gleaner last seen in 2012. A trip to Northeast-Brazil will yield many endangered and critically endangered species for sure, most prevalent in the extreme north-eastern states of Pernambuco and Alagoas. Here, much of the once widespread Atlantic Rainforest is now gone. When we were there, we still saw many signs of ongoing deforestation – a very depressing sight! Personally, if you want the true rainforest experience and all, Northeast-Brazil is not your best choice. Not only because much of the forest is long gone, but also because a significant part of the birding is not in rainforest but in caatinga: low thorny woodland and scrub intermixed with many cacti and terrestrial bromeliads. This habitat holds several endemics too, and many of these are also critically endangered due to overgrazing and clearing for agriculture.

As for the number of species you'll see fewer than during four weeks birding in - for example – Peru or Colombia, but it's all about quality in Northeast-Brazil. For example, of the 500+ species we recorded, 111 are country-endemics! Another 61 are range-restricted, some of them just barely occurring in neighbouring countries. We did really well on this front and even recorded Pinto's Spinetail, Pernambuco Foliage-Gleaner, White-collared Kite, Buff-bellied Puffbird and Moustached Woodcreeper – all of which easily can be missed. The best surprises probably came in the form of a Buff-fronted Owl and Swallow-tailed Cotinga. Biggest dips were Golden-tailed Parrotlet, White-winged Potoo and Oustalet's Tyrannulet.

Though this was an independent trip, we wouldn't have done so well without the help of – especially – [Ciro Albano of Brazil Birding Experts](#). He was very willing to share specific site information with us as, for example, he was the one to suggest to look for the 'Serra Las Lontras' Treehunter along the Bapeda trail in Serra Bonita – and that's where we found it. Big thanks to him! We would also like to thank Luis Pessoa (Serra de Meruoca), Bob Jefferson (Sitio Pau Preto & Nascente), Mateus Gonçalves (Serra de Arreppio & Nova Canaã) and Charles Almeida (Murici) in particular for help us finding the birds. And Caio Brito, also from Brazil Birding Experts, who we met in the extreme NE and helped us find some targets. Without their help, we would have missed some birds for sure. From a logistical perspective, we thank Lucas Brito (Guaramiranga), Camilla (now Karen) and Tania (Canudos Biological Station), Bárbara (Pedra D'Anta), Lukas Danau (Serra Bonita) and Herbert Ness (Agua Boa). And of course all the hosts, drivers, guides etc. I don't know the names of – thanks!

General information

Visa

For most EU citizens a visa is not required, you can stay in Brazil for up to 90 days within any 180 day period.

Money & credit cards

The national currency in Brazil is the Brazilian Real (BRL). Currently, 1 BRL is around 0.15 EUR. 1 EUR is ~6.6 BRL. ATM's are found in all bigger cities, but they do not always seem to work! The ATMs of BRADESCO always worked and was the only one that we found to be working in Porto Seguro. Note this is a very touristic town and numerous ATM's just seem to be empty during the weekends. In our case, we could take up 1500 BRL as a maximum, but Jelmer could take up to 2000 BRL with his American Visa card. In total, we spent ~€ 1700 per person on accommodation, food, guides etc. We paid another € 340 per person for the car and spent € 900 on flights from The Netherlands. All prices for transport, accommodation and sometimes meals are mentioned per site in this report.

Health & safety

Regarding health and safety in Brazil, there isn't much to tell. Being used travelling in SE-Asia myself, it was a relief not having to care about malaria. Also, mosquitos still can possibly carry Dengue and thus using DEET or other insect repellent is strongly advised. Also, cover your skin as much as possible if mosquitos are around (as it was not for the burning sun). But besides this, next to the usual vaccinations (Yellow fever, DPT and hepatitis A/B) and health risks, there are no other health issues to think about. As for safety, there was only one occasion where, even though we didn't feel particularly unsafe, we felt we weren't in the best part in town - in this case Porto Seguro. A little while later, we saw people being held at gun point by the police in the middle of the day. Anyway, also here, if you just take the general safety instructions for travellers in mind you won't get into trouble soon.

Language

The official language in Brazil is Portuguese – and don't expect Brazilians to speak any other languages. Only very few people seem to speak (some) Spanish or English, and as a consequence, we communicated using some words or - even better - a translation app. As Jelmer speaks Spanish, he regularly just started to talk in Spanish and it worked out quite well at times. Don't try to communicate through English, as even ordering 'four coke please' seems to be problematic already. I was surprised that even in the best accommodations, like the Quilombo Park Hotel or Hotel Vila Nova do Principe, they do not speak any English. The only notable exceptions to this rule are - surprisingly - Pedro D'Anta (Barbara), Serra Bonita (Vitor), Agua Boa (Norberto) and Mucugê (owner of Pousada Monte Azul). The latter two also speak German. Of the few guides / drivers we used, only Lucas Brito (Parque das Trilhas) speaks good English. Charles (Murici) didn't even know the English names of most birds. He and others used Google Translate to communicate before our trip.

Climate

If you look up NE Brazil on Cloudbirders, most tours go either in autumn or winter, though some visit NE Brazil in August. For us, it worked out fine with only some rain in Murici and some showers on our only morning in Tamanderé. You better prepare for some extremely hot conditions, especially in Chapado do Araripe, Canudos and Jeremoabo, Chapada Diamantina, Caetité and Estação Veracel. All are caatinga spots and please make sure you bird these areas early morning. See also the third section under 'Birding NE Brazil' for more information on when to go.

Logistics

Unlike most previous trips where we used public transport, for NE Brazil this is simply not an option. Distances are too vast and there is too little public transport. As for renting a car, both Gordijn (2015) and Dreyer (2015) hired a car in Salvador and dropped it off there, but mentioned they would have preferred to drop it off in Fortaleza instead, or even to have started there, and to have dropped it off in Salvador. As Gordijn suggests in his trip report: 'this eliminates some driving time, and more important, the sites in the north are far apart, the sites in the south are somewhat closer and it is easier to shift with your days'. This is exactly what we did and we hired a car via Foco Car Rental in Fortaleza and dropped it off in Salvador. It costs a bit more, but you'll get more birds and less driving. If you hire a car, please make sure you have free mileage or - if not - close to a 10,000 km. In 4 weeks, we drove around 8500 km.

If you opt for Foco Car Rental, please check out aluguefoco.com.br/en. We paid BRL 4739.22 for a SUV Renault Duster, but our car broke down on day 5 and we drove most of the trip with a minivan GM Spin. This one had fairly low clearance, but it worked out. On arrival we were picked up by people from the car rental agency and brought to the office. Here, we paid an extra BRL 588.88 for an All Risk car insurance. Beforehand, we were informed all drivers have to be present to sign the contract, but fortunately a copy of the driver's license of the second driver was enough and so we did not have to return later (as one of us flew in one day late). In case of a 2+ hour delay on your arrival, you'll have to inform them via WhatsApp or call the service centre. Please note their English is very bad and they usually put you through to the only person who speaks 'best' English. WhatsApp is much easier. On departure, please note that the drop-off location for the car is not actually inside the Estapar parking lot as suggested on the receipt. Instead, search for 'Foco Salvador' in Google Maps and you'll see it's just outside the airport. We had no problems dropping off the car.

As for the traffic, there are two things one needs to know about driving in Brazil. First, you'll find speed bumps at all roads. In Brazil, it doesn't matter if you are already driving 25 km/h on a dirt road: there still is a, self-made, speed bump. Also, most of them are quite high and should be taken seriously: best not to drive over them at more than 15 km/h. On some occasions, we even took them "sideways", to avoid the bottom of our car being hit. Luckily, most of the speed bumps are clearly signed 100s of meters before the actual bumps. Second, there are speed cameras to be found just at the start and end of most villages. While they are sometimes next to speed bumps, on other occasions, you seriously need to slow down from 150 km/h (ok, in our case) to 40 km/h. Fortunately, also here, they are well sign-posted long before the actual speed cameras. Many of these cameras do work! Otherwise we did not find driving in Brazil particularly difficult: while driving times are long and road conditions are not always the best, I wouldn't say it's a challenge driving in Brazil.

As for GPS: though we found one in the SUV Renault Duster, we didn't find one in the minivan GM Spin. Luckily, we brought our own and it usually worked out well. However, we always double checked using both Google Maps and MAPS.ME. This did result in some changes during the drive especially driving from Guaramiranga to Potengi via Quixada. This was the only time we lost considerable time (at night though) after driving for a considerable length on dirt roads before we made the decision to turn back and drive via Iguata. MAPS.ME gives this as the only option, but is (in my case) very wrong about the driving time. Jelmer, also using the exact same app, found driving times to be half of my times so it might be better to trust on your own GPS or Google Maps. The times by Google Maps are quite accurate. Our driving times are sometimes a bit misleading as we usually drove much faster than allowed on most roads (maximum: 90 km/h).

Birding NE-Brazil

With Brazil being a very big country, also in the north-east distances are long. Birding spots are far apart and only if you have around a full month you can visit all the regular places and do some more. With some more I mean four birding spots in particular: (1) Serra de Meruoca, (2) Bom Jesus de Lapa and Caetité, (3) Pedra D'Anta, (4) Serra de Arreppio & Nova Canaã (Poçoões). Sitio Pau Preto and Sitio Nascente (Potengi) are new indeed, but just a substitute of Chapada do Araripe. Seeing almost all the target species already in Potengi, there was no real need to go to Chapada do Araripe - except for Pale-bellied Tyrant-Manakin. Anyway, this whole trip will take you around one month. If you have a little more time, you can even think of including Pfrimer's Parakeet or Kaempfer's Woodpecker.

If have only three weeks I think you should just stick to the itinerary of Gordijn (2015), but try to start in Fortaleza and end in Saldador. In three weeks, it's still possible to see most of the endemics. If you include one day Serra de Arreppio & Nova Canaã, it will get you a whole lot more: Wied's Tyrant-Manakin, Reiser's Tyrannulet, Three-toed Jacamar, Orange-eyed Thornbird and Southern Antpipit. Though the latter two are more easy in the south-east, the first three are rather hard to see elsewhere. The jacamar can be seen in Balbina forest, if it's back open for the public. This also can yield Saffron Toucanet, a species we now entirely missed. Anyway, 3 weeks will get you most of the endemics except Hooded Gnateater, Moustached Woodcreeper, Bahian Nighthawk and Minais Gerais Tyrannulet. You will have little chance of seeing Buff-fronted Owl, Helmeted Manakin and Pinto's Spinetail. If you have even less than three weeks I would suggest skipping the extreme north-east. Most birding tours offer this part of the tour as an extension anyway. However, this means you'll skip the part with the most critically endangered birds like Alagoas Antwren, Orange-bellied Antwren or White-collared Kite. So, ideally, you'll have at least three to four weeks if you're planning a trip to NE Brazil.

As for the best time to visit, NE Brazil most tours go in the winter season or late summer. According to the online Brazil travel guide, the best time to visit Fortaleza – from a weather perspective – is from June till January, Recife from September to February and Salvador from December to March. During these months, it rains less and humidity is lower. However, temperatures are also very high during these months and therefore the (end of) summer might still be a very good option. Whether you go in winter or summer, it's always best to start in Fortaleza: the rains comes early in spring, but are long gone halfway the summer season. During our trip, we only had some serious rain during our time in Tamandaré. However, we did find a nice Yellow-faced Siskin in the pouring rain, and even better, a White-collared Kite during a brief period of sunshine between the showers.

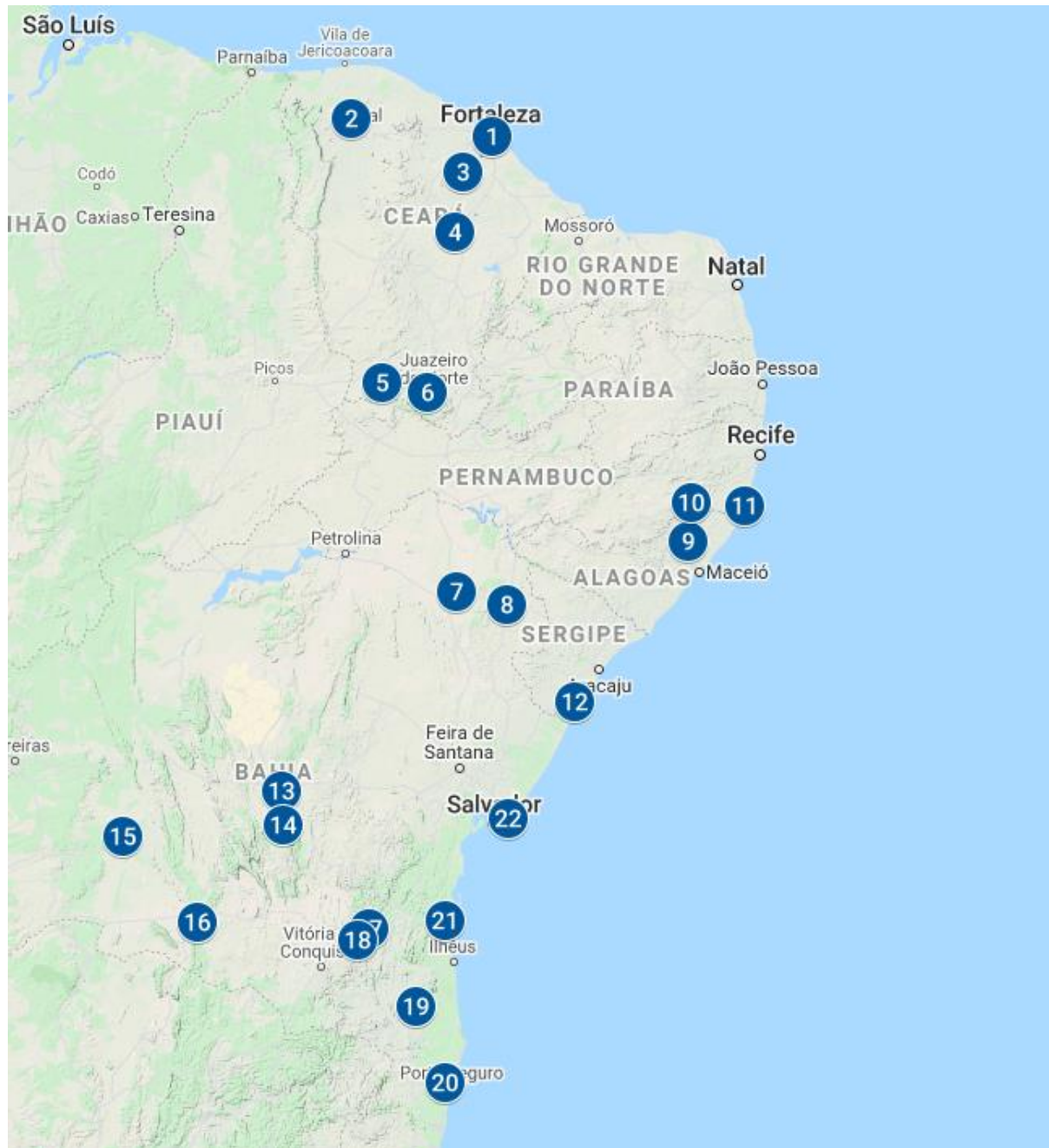
In general, we truly enjoyed our time in NE Brazil: nice scenery, great food (though not as good if you're a vegetarian!) and amazing birds. However, it's a depressing thought that many of these birds are rapidly declining and might be gone within our lifetime. Especially when you realize that most of the Atlantic Rainforest, where most of them live, is already gone with only around 7% is left. In Pernambuco state, where we saw burning forest fires, only 2% is left! Here, for the future I can only hope that more initiatives like the Pedro D'Anta forest reserve will pop up: SAVE Brazil bought the reserve in 2004 and since then, the forests have been gradually regenerating. There is no management plan though, and there is no sustainable funding source in order to ensure the reserve's on-going management and protection activities. If birders start to visit this now Private Natural Heritage Reserve, for sure it will help to save the 12 threatened species at this site and to save the only 2% of Atlantic Rainforest that remains!

Itinerary

Our itinerary of this four-week-trip is found below. As mentioned in the previous section, we did include some extra sites usually not visited on a birding trip of two to three weeks. These extra sites are written in *italic* below. Due to heavy snow in The Netherlands on our day of departure, we missed our direct flight to Fortaleza in Frankfurt, spent almost a full day at the airport there and missed a relaxed night and morning of birding in a city park in Fortaleza. However, as we did extremely well in all places, at one point we found ourselves way ahead of our initial schedule. This left us of having one extra day in Boa Nova and another one spent in Serra Bonita. This yielded a nice Cryptic Antthrush in Boa Nova and connecting with the undescribed treehunter sp. in Serra Bonita. Extra places (compared to a more classic itinerary) are put in *italics* here, these can be skipped if time doesn't allow.

Date	Day	Route
10 Dec	1	Amsterdam (07:40) – Frankfurt (08:50) / Frankfurt (10.00) – Fortaleza (16:05) → original flight plan
11 Dec	2	São Paulo – Fortaleza - <i>Sobral</i>
12 Dec	3	<i>Serra de Meruoca</i>
13 Dec	4	<i>Sobral</i> - Guaramiranga
14 Dec	5	Serra de Baturité
15 Dec	6	Guaramiranga – Quixadá - Potengi
16 Dec	7	Sítio Pau Preto / Sítio Nascente - Crato
17 Dec	8	Crato – Arajara Waterpark - Canudos
18 Dec	9	Canudos / Jeremoabo
19 Dec	10	Jeremoabo – União dos Palmares
20 Dec	11	Murici
21 Dec	12	Frei Caneca
22 Dec	13	<i>P'edro D'anta</i> – Tamanderé
23 Dec	14	Tamanderé - Crasto
24 Dec	15	Crasto Forest - Lençóis
25 Dec	16	Chapada Diamantina
26 Dec	17	Chapada Diamantina
27 Dec	18	Chapada Diamantina - <i>Bom Jesus de Lapa - Caetité</i>
28 Dec	19	<i>Caetité</i> – Boa Nova
29 Dec	20	Boa Nova
30 Dec	21	Serra de Arreppio & Nova Canaã
31 Dec	22	Boa Nova (extra day)
1 Jan	23	Boa Nova – Camacan
2 Jan	24	Serra Bonita
3 Jan	25	Serra Bonita
4 Jan	26	Serra Bonita (extra day)
5 Jan	27	Serra Bonita – Veracel
6 Jan	28	Veracel
7 Jan	29	Veracel
8 Jan	30	Veracel – Agua Boa
9 Jan	31	Agua Boa - Salvador
10 Jan	32	Salvador (23:40) – Lisbon (10:50) / Lisbon (13:05) – Amsterdam (17:10)

General overview



Birding spots (with the **letter combination** used in the online Google Maps between parentheses): 1. Fortaleza International Airport; 2. Serra de Meruoca / Sobral (**S**); 3. Serra de Baturité / Guaramiranga (**G**); 4. Pedra dos Ventos / Quixadá (**Q**); 5. Sitio Pau Preto & Sito Nascente / Potengi (**P**); 6. Chapada do Araripe & Arajara Waterpark (**Crato**); 7. Canudos (**C/J**); 8. Jeremoabo (**C/J**); 9. Murici (**M**); 10. Frei Caneca (**FC**) & Pedra D'Anta (**PD**); 11. Trapiche & Saltinho Reserve / Tamanderé (**T**); 12. Crasto Forest (**Crasto**); 13. Chapada Diamantina / Lençóis (**CD**); 14. Chapada Diamantina / Mucugê (**CD**); 15. Bom Jesus da Lapa (**BJdL**); 16. **Caetitê**; 17. Boa Nova (**BN**); 18. Serra de Arreppio & Nova Canaã / Poções (**SANC**); 19. Serra Bonita (**SB**); 20. Veracel / Porto Seguro (**V**); 21. Agua Boa (**AB**); 22. Salvador International Airport

An online Google Map that includes all GPS-coordinates mentioned hereafter, is available [here](#).

Serra de Meruoca (Sobral)

A site visited for the first time by Birdquest in 2017 for Hooded Gnatcatcher, Moustached Woodcreeper and Buff-fronted Owl. Hooded Gnatcatcher is easy here and it must be one of the best places in the world for the rare Buff-fronted Owl. Moustached Woodcreeper is more difficult, for example Birdquest dipped it here the year before. Some other targets here, like Ochraceous Piculet and Buff-breasted Tody-Tyrant, are easy as well in the Serra de Baturité. Pygmy Nightjar is also found in the Serra de Meruoca. Much of the birding is on private grounds, so you'll need the service of local guide Luis Pessoa (see details below). See target list for this place at Serra de Baturité down below.

Logistics / accommodation

Driving from Fortaleza to Sobral takes 4h 15m. We slept in Pousada Brisa Da Serra (40 BRL pppn). Barely visible from the street (entrance gate here: -3.660965, -40.382251), but it looks already better inside. You can safely park your car on the hotel grounds. Rooms are very basic and it has to be one of the very few places with a cold shower. We met Luis Pessoa, our guide, here the next morning.

Birding

Focus is mostly on the Serra de Meruoca northwest of Sobral, though you have to visit a caatinga site south of town for Moustached Woodcreeper. We did all birding with Luis Pessoa (+55 88 99713-6070). You can contact him via WhatsApp or Facebook. He doesn't speak English (using Google Translate) and also doesn't know the bird names in English, but was a very good guide who knew where to find all targets. We paid him 250 BRL/day for guiding.

In the Serra de Meruoca there are some good birding spots right after going up in the serra itself. We drove up all the way to a place he called **Sítio Floresta** (-3.616806, -40.441611), where Luis' family lives, and birded along the trails in the forest patch. We birded here one morning and a late afternoon through the evening, picking up Hooded Gnatcatcher, Grey-headed Spinetail, Planalto Slaty-Antshrike, Ochraceous Piculet and Buff-fronted Owl (heard-only, and only a single call series, despite trying for two hours). Another good place in this area, which can be accessed without guide, is described by Gallardy (2017) on eBird, see his observation of Hooded Gnatcatcher for directions.

Another good place for both Hooded Gnatcatcher and Buff-breasted Tody-Tyrant is in the northern part of the Serra de Meruoca. Park just north of Meruoca (-3.534361, -40.457611) and from here, walk back and very soon after take the short trail on the left. Here it's a steep walk up all the way to the top. Especially the part after the rocky outcrop (great views!) is steep, so if you have seen Hooded Gnatcatcher before, this is not likely to be worth the walk. However, we did have great views of both target species and both seem to be quite common here. The best views were obtained right here: -3.5318, -40.4559. To get here, follow the trail until you can go left at the top. Also seen here was the ssp. *atlanticus* of Lesser Woodcreeper – a proposed split by some authors (see HBW).

If you wish to see Pygmy Nightjar here (also possible in Pedra dos Ventos and Boa Nova), visit a place just off the main road 4k south of Meruoca (close to a lake). This place can be visited independently. If you are heading back to Sobral, turn left here at -3.564833, -40.450167, follow this road for about 750m and park at -3.567000, -40.444000. From here, take a path over a small bridge on the left. After some woodland, you'll hit a rock. Pass the rock on the left and you'll see the rocky outcrop on your left hand (-3.5659, -40.4440). Two or three nightjars roost here and you will probably flush them as they are quite shy. After a short flight, they usually land somewhere nearby. We spent two mornings here, including our very first, and picked up some more nice birds like Band-tailed Hornero, Ochraceous Piculet and Grey-headed Spinetail. Pearly-vented Tody-Tyrant is in the small open area near the car.

For Moustached Woodcreeper, we visited a small patch of woodland south of Sobral called **Sítio Bonfin**. This patch of about 3 hectares only, is watered daily, and is part of land owned by a church. Luis' theory is that the woodcreepers come here in the middle of the day as it is too hot for them in the surrounding caatinga – they only forage there early morning and late afternoon. Whether this is true or not, we did find them indeed here on the first day, around 2 PM, but dipped it the second time. We did also find Stripe-necked Tody-Tyrant (trip-only), Blue-crowned Trogon and – best of all – Ash-throated Casinornis here. In the dry riverbed west of the patch, we found a Ochre-backed Woodpecker.

To get here, take highway 403/222 south of town. Right here, turn right: -3.705907, -40.362299. From here, follow the road south (Estr. Bom Fim / Estr. Sobral Cascaval). After 10.6 km from the turn-off (-3.788023, -40.399181), you see a small house on the right and a track into a plantation on the left. Ask for the keys at the house to enter the track. From here, follow the track for 1 km till you reach the gate of the small forest patch. The track goes right through a river bed halfway, so in the wet season it might be better you just walk in from the road. We found a nice pair of Moustached Woodcreeper right at: -3.7917, -40.3913.

Serra de Baturité (Guaramiranga)

This isolated mountain range, which is about a 2 hour drive south of Fortaleza, holds one true endemic species: Grey-breasted Parakeet. However, if you do not visit Sobral, it will also be your only or best chance to connect with two other endemics: Buff-breasted Tody-Tyrant and Ochraceous Piculet. It's your only change of connecting with the near-endemic Gould's Toucanet. Also look for the ssp. cearensis of both Rufous-breasted Leaftosser and Red-necked Tanager. Two other locally endemic subspecies, those of Short-tailed Antthrush and Spot-winged Wood-Quail, are both debatable. Surprisingly, the recently split Céara Gnateater is also found as far south as Chapada Diamantina.

Target list

Only here or best spot	One of best spots 1	One of best spots 2
Grey-breasted Parakeet (G)	Ochraceous Piculet	White-throated Spadebill
Hooded Gnatcatcher (S)	Ochre-backed Woodpecker	White-bellied Nothura (mostly S)
Buff-breasted Tody-Tyrant	Grey-headed Spinetail	
Moustached Woodcreeper (S)	Ceara Gnatcatcher (G)	Good spot, not best
Buff-fronted Owl (mostly S)	Pygmy Nightjar	Yellow-faced Siskin
Gould's Toucanet	White-browed Guan	Pygmy Nightjar
	Planalto Woodcreeper	Rusty-marginated Guan
	Ochre-cheeked Spinetail	Biscutate Swift
Non-targets only / best here: Spot-winged Wood Quail, Short-tailed Antthrush, Yellow-chevroned Parakeet		

Red = country-endemic, black = range-restricted // S = Sobral, G = Guaramiranga

Logistics / accommodation

From Sobral, I took us around 3 hours to get to Pernambucoquinho in the northern part of the serra. From Fortaleza, it will take you only around 2 hours. From Pernambucoquinho to Guaramiranga will only take about 15 minutes. In this really nice village, there are plenty of options to stay. We asked Lucas Brito (see below) and he advised us to stay at Pousada da Josy (-4.262887, -38.933190). We paid 350 BRL (50 BRL discount) for two connecting rooms. Of course, no English spoken.

Birding

The Serra de Baturité is comprised of two sites: the famous entrance road of Hotel Remanso, and 'Parque das Trilhas', which is not yet covered in most trip reports. In general, the antthrush and the toucanet are most likely to be found along the former location and all the other targets can be found at the latter site. We visited the entrance road twice, and spent the best part of our first day at the park. For the parakeet, we visited the cemetery of Pernambuco one late afternoon (roost) but there is actually no real need to do so: we found the parakeets to be fairly common around Guaramiranga, and had especially great views while waiting for our new car to come right in front of the Alto da Serra Hotel.

For '**Parque das Trilhas**', please contact Lucas Brito (+55 85 98705-3557). He works at the place, speaks fluent English and can let you in. The park is officially closed during weekdays and only open in the weekends (20 BRL pp), but Lucas let us in on a Thursday for which he drove back from Fortaleza (100 BRL). He knows where to find the birds, but since we preferred to bird on our own, he walked with us until a point where there is a track on the left, and a pool on the right. From here, take the track on the left and then take a second left soon after. Soon you'll see a small, sign-posted trail on the left. We found 2 Céara Gnateaters along this trail, the first only after a short tape just at the start (-4.267844, -38.934971).

Head back to the main track (no need to go far in) and go left. Soon after, you'll find another wide track on the left (-4,257436, -38,932166). As soon as the track hits the forest (before that, it's more like a clearing) and the track bends to the right, there is a lek for Band-tailed Manakin on the left (-4.2702, -38.9358). There are two small trails that go in a bit, of which the one on the left is probably the best to get a proper look of the males displaying. We continued down the track and found another two Céara Gnateaters, two 'Céara Leaf-tossers' and Ochraceous Piculet here. Buff-breasted Tody-Tyrant and Guianan Tyrannulet are fairly common along the whole track. Once you have passed a big tree on the left, at a certain point there is a pond down below on the right. Some wooden steps lead down there. It is supposedly good for the antthrush, but we found none (-4.272598, -38.939863).

At **Hotel Remanso**, park the car at the turn-off (-4.240580, -38.934383) and walk up to the first bend to the left for Short-tailed Antthrush. We first taped it in the middle of the day near the obvious concrete blocks by the side of the road. Surprisingly, we got an immediate response down below, walked 30m back and played again. The bird came in very close, but we didn't see it. The next morning we went back, taped at -4.242057, -38.932628 and got great views. After scanning for Gould's Toucanet from the area in front of the hotel's gates (we were not allowed in) for a while, we noticed a better viewpoint can be reached by taking the stairs on the left just before the parking of the hotel. When we taped here, a male showed up right behind us on the ridge. The next morning, we heard a Gould's Toucanet in the same area.

After a disappointing heard-only observation of Buff-fronted Owl at Sobral, two of us also tried at Hotel Remanso, since there was an eBird observation from March 2017. After parking in front of the hotel (-4.24428, -38.93026) at around 8:30 PM, we immediately heard a bird singing. Try to tape it in just around the corner where there is less light from the parking. The sound is quite soft, so the bird is probably closer than you think. Also, it is hard to detect where it is exactly coming from. To make things worse: the birds (2 in total) seem to like dense cover, but happily one showed quite well eventually. Surprisingly, there haven't been any further sightings at this site, so I guess we were just extremely lucky that night!

Pedra dos Ventos (Quixadá)

This is the best place for White-browed Guan and it's now hard to miss since they started feeding as recently as 2017. The tiny rock garden holds 2 or 3 Pygmy Nightjars.

Target list

Only here or best spot	One of best spots	Good spot, not best
White-browed Guan	Pygmy Nighthawk	Scarlet-throated Tanager
	Ochraceous Piculet	Ash-throated Casiornis
	Ochre-backed Woodpecker	White-bellied Nothura
		Biscutate Swift
Non-targets only / best here: Pearl Kite		

Red = country-endemic, black = region-endemic

Logistics / birding

From Guaramiranga it's about a 2 hour drive south to the Pedra dos Ventos hotel. After arrival, the nice owner immediately walked up to us and told us Ciro had already informed him that we were coming. He quickly showed us 2 Pygmy Nightjars in the garden. However, the situation for the guans looked less rosy since there was construction work going on directly next to the feeding location at the end of the dam (-5.07331, -39.04029). Fortunately, as soon as the machines stopped working around 5 pm, the birds came in to feed. Though up to 30 have been counted here, we saw 14. They only tend to stay around for 10-15 minutes, so you better be there on time. The view of the area from the hotel is amazing and it's probably better to spend the night here (as I did in December 2018) and travel onwards the next morning.

Sitio Pau Preto & Sítio Nascente (Potengi)

This is a new site, or actually two sites, as an alternative for Chapada do Araripe. I believe all targets can be seen here, except Pale-bellied Tyrant-Manakin and White-browed Guan. In addition to the traditional targets in Chapada do Araripe, you'll have an excellent chance of seeing both Scarlet-throated Tanager and Ash-throated Casiornis here – both can be hard to find elsewhere. The tanager is even a regular visitor to the feeders here! Both Lesser and Greater Wagtail-Tyrant can be found here easy as well. Pygmy Nightjar is here too, but we didn't look for it.

Target list

One of best spots 1	One of best spots 2	Good spot, not best
Scarlet-throated Tanager (SPP)	Ash-throated Casiornis (SN)	Red-shouldered Spinetail
Pygmy Nightjar (SPP)	White-browed Antpitta (SN)	White-bellied Nothura (S)
Great Xenops (SN)	Broad-tipped Hermit (SN)	
Ochre-cheeked Spinetail (SN)	Caatinga Antwren (mostly SN)	
Non-targets only / best here: White-naped Xenopsaris, Lined Seed-eater		

Red = country-endemic, black = range-restricted // SPP = Sítio Pau Preto, SN = Sítio Nascente

Logistics / accommodation

From Quixadá, it's a 5.5 hour drive to Potengi. Make sure you go via (Mombaça and) Iguatu and avoid CE-166 or CE-168, as both are dirt roads for most part. In Potengi, pass the village and continue on the CE-292 westwards. After 5.7 km, turn right on the dirt road (-7.107822, -40.074662). Immediately, take a sharp turn right and then go straight (Estr. Do Pau Preto). After 2.6 km, turn left here: -7.086891, -40.078374. After 400 m, you'll reach the pousada Sítio Pau Preto owned by Bob Jefferson. It's a fantastic place to stay, Bob is a great guy and his mom cooks excellent food.

Furthermore, the rooms are excellent: spacious, clean and comfortable. For accommodation, guiding services, dinner, breakfast and lunch, we paid 900 BRL in total (50 BRL tip). This was pre-arranged only days before our trip via Facebook chat, and in Brazil via WhatsApp on +55 88 99204-2146.

Birding

Most of the birding can be done on foot around the pousada with Bob (**Sítio Pau Preto**). He is not only a very nice guy, but also an excellent birder and he easily showed us some of the caatinga specialties like Silvery-cheeked Antshrike, Red-shouldered Spinetail, Stripe-backed Antbird and both Lesser and Greater Wagtail-Tyrant. All of these were picked up in a few hours on our very first morning. We heard Scarlet-throated Tanager and Ash-throated Casiornis (Bob). From the pousada we enjoyed the feeders, which attracted Campo Troupial, White-naped Jay, Red-cowled Cardinal, Pale Baywing and, in the afternoon, a group of 13 Scarlet-throated Tanagers. All of these species are showing really well at very close range and thus photographic opportunities are endless.

Great Xenops and White-browed Antpitta are found in **Sítio Nascente** about a 1 hour drive from the pousada (all dirt roads here). Bob knows where to find both species and I would strongly advise to go with him. At first, we wanted to go on our own but - in hindsight - I'm very happy he asked us if he could come along. At this very same spot (-7.213720, -40.010082), we also saw Caatinga Antwren, Spotted Piculet and Ochre-backed Woodpecker. A little further down the road Bob knows a site for Broad-tipped Hermit (Bob saw it briefly, we missed it), where we picked up our second Ash-throated Casiornis. We found it along a very birdy trail that starts at -7.226569, -39.996334 – together with Ochre-cheeked Spinetail, Black-capped Antwren and Grey-eyed Greenlet. Nearby, we saw our first Scarlet-throated Tanagers (a pair) in a fruiting tree (-7.226658, -39.997509) – expertly picked up by Bob who heard them while driving!

Chapada do Araripe (Crato)

The traditional stake-out for many of the caatinga species. This is the best and (almost) only place for Pale-bellied Tyrant-Manakin on this trip. The area southwest of the chapada is surprisingly good for nightjars and we found Little, Rufous and Scissor-tailed Nightjar here. Due to road constructions (BR-122), it took us an extra 45 minutes to get from Crato to the plateau, and after having seen most of the caatinga specialties already, we skipped our morning session here the next morning.

Target list

One of the best spots	One of best spots	Good spot, not best
Great Xenops	White-browed Antpitta	Ochre-backed Woodpecker
Silvery-cheeked Antshrike	Caatinga Antwren	Grey-headed Spinetail
Ochre-cheeked Spinetail	Pale-bellied Tyrant-Manakin	
	Cinnamon Tanager	
Non-targets only / best here: Suiriri Flycatcher		

Red = country-endemic, black = range-restricted

Logistics / accommodation

Coming from Potengi, it takes about 1.5 hours to get to Crato. We stayed in the Brisa da Serra (-4.299828, -38.991348) for 50 BRL pppn, but the service was bad, the bathroom was dirty and it's quite far from town.

Birding

We birded here only one late afternoon and evening to look for Pale-bellied Tyrant-Manakin. We only birded the first part of the short track right here: -7.247988, -39.495799. Just a little further is the trail to the old airport strip where Matheve reported White-browed Guan. We found our target soon after playing the tape (5.30 P.M.) and then drove to the end of the caatinga at -7.300921, -39.551087. Both dirt roads here (left / right) are good to see all the caatinga specialties, and Gordijn and Matheve also birded the trail that starts 1.9 km earlier (-7.289094, -39.538752). Also, they birded good caatinga habitat north of Crato, but we did not visit this place – see their trip reports for more information. We took the dirt road to the right and drove for about 1.7 km to the northwest. Here, you will find a crossing with a really scary doll in the form of a priest... (-7.289837, -39.561944), and this is where we saw the three nightjar species. Little Nightjar is the most common, both Rufous and Scissor-tailed (the latter perched on poles!) were seen along the road to the right.

Arajara Waterpark

This waterpark just outside of Crato is the easiest place in the world to see the enigmatic Araripe Manakin. It's also the best place to see Tawny Piculet, though most people also see it on the plateau. Please note this species has now (2020) been lumped by IOC with Ochraceous Piculet.

Logistics / birding

From Crato it's only a 30 minute' drive to the Arajara Waterpark. Please note the park officially opens at 07.30 and they didn't allow us to get in without their guide. Also here, we had language problems as nobody seems to speak any English but we just decided to wait for the guide to come. Initially they told us he would only be there around 09.00, but after some wild hand gestures and lot of smiling he readily appeared after only 20 minutes or so. He isn't really a guide, but he knows where to find the manakins and is the only one who seems to speak English. He dropped us off at the start of the so-called Eco-trail and we soon found a nice male here (-7.332276, -39.410529). We found Tawny Piculet here as well and I think there is no need to go any further. A pair of manakins favoured the area near a big sign and a staircase to a platform, just at the end of the paved part of the trail (hard to miss). It is said the manakins are most active between 9 and 11 A.M., so there is no real need to be there early. Please note that according to the opening hours on the internet the park is closed on weekdays, but this is not mentioned in any of the trip reports.

Canudos & Jeremoabo

The area of Canudos and Jeremoabo holds several specialties, but is mostly known as the breeding grounds of the critically endangered Lear's Macaw. For this, make sure you pre-arrange a visit to the Canudos Biological Station (see details below). Besides this highlight, the area is good for some of the more difficult caatinga specialties like Broad-tipped Hermit and Stripe-breasted Starthroat. A visit here will also yield Blue-crowned Parakeet and Turquoise-fronted Amazon – not likely to be seen anywhere else on the trip. Nearby is usually the only place where people see Pectoral Antwren.

Target list

Only here or best spot	One of best spots	Good spot, not best
Lear's Macaw	Broad-tipped Hermit	Silvery-cheeked Antshrike
Pectoral Antwren	Red-shouldered Spinetail	Black-throated Saltator
Stripe-breasted Starthroat	Blue-winged Macaw	
Non-targets only / best here: Blue-crowned Parakeet, Turquoise-fronted Amazon, Bat Falcon		

Red = country-endemic, black = range-restricted

Logistics / accommodation

From Crato, it will take about 4.5 to 5 hours to get to Canudos (some birding stops included). Canudos is the starting point for a trip to the Canudos Biological Station (45 minutes). From Canudos it's another 1.5 hours to Jeremoabo. In Canudos, we stayed in the famous Hotel Brazil for 50 BRL pppn. It's nothing special, but probably the best in town (hot showers and good airco). There is a pizzeria and hamburger tent just down the street. In Jeremoabo we checked in in Hotel Senhor do Bomfim for the same price – the same hotel Birdquest uses in their tour. The older ladies running the hotel don't speak any English, but instead they keep talking in Brazilian – you'll love it. Rooms are fine, no aircon though. There is a pizzeria 500 m down the street on the right.

In order to visit the canyon for the macaws, contact Karen via e-mail: karen@biodiversitas.org.br. For your visit you pay 150BRL pp. If you also want to spend the night at the reserve, you pay an extra 150 BRL pppn (did this in December 2018: strongly recommended and breakfast is great!). Otherwise, stay in Canudos. You pay an extra \$60 due to bank taxes in an international bank transfer. One day before the visit, Tania (75 3494-2406/ 75 99180-2707), the reserve's manager at the time, will come to the Hotel Brazil to let you sign the donation receipt. Tania speaks little English, but is very friendly and helpful. If you have a 4x4, you can either drive to the reserve yourself (to the gate, that is) or ask to be picked up by parks rangers. Their 4x4 is ridiculously old, but still worked while we were there...

Birding

To get to see Lear's Macaw there are actually two options, that is the Canudos Biological Station or the fazenda 'Serra Branca' halfway between Canudos or Jeremoabo. At the latter location, they feed the macaws early morning and they're only here until around 6 am, as well as late in the afternoon (see Gordijn and Matheve). The other location is the famous canyon where they you'll have fantastic views of birds in flight and perched. For bird tours, this is the absolute highlight of the trip. A visit should be pre-arranged, see details above. The canyons also hold good numbers of Blue-crowned Parakeet and a few Turquoise-fronted Amazons. Furthermore, some good caatinga can be found here too and one should look for e.g. Stripe-breasted Starthroat and Broad-tipped Hermit.

On your way to / from the reserve, there is still some (reasonable) caatinga to be found. From the BR-235 head down south right here: -9.908002, -39.028459. After 2.3 km, we parked the car (-9.927882, -39.032877) and birded the dirt road to the left. This was slightly disappointing, but we did still see some specialties during our late afternoon visit: Red-shouldered Spinetail (2), Black-throated Saltator (2) and Broad-tipped Hermit (2). On one morning, on our way out to the northeast, we stopped at a nice-looking patch of low caatinga 25 km east of Jeremoabo along the BR110. The trail starts to the north (left) of the road at -9.819718, -38.258486. Here, we saw Stripe-breasted Starthroat (a pair), Broad-tipped Hermit, Lesser Wagtail-Tyrant, Silvery-cheeked Antshrike, Red-shouldered Spinetail and Long-billed Wren.

The road between Canudos and Jeremoabo (BR-235) is where most people see Pectoral Antwren, and there are several spots to try for the bird. We tried a spot where it was seen in 2016 – a little bit north of the road. Park here (-10.025412, -38.508279), near the house with the water tank, and take the dirt road to the left (coming from Canudos). At the end, there is a small stream. We taped here and got an immediate response (-10.021371, -38.507222). A male was seen shortly after. Later, after crossing the fence, we found a small trail to the right. This proved to be extremely birdy with more Pectoral Antwrens (3 male, 1 female), Long-billed Wren (2), Ochre-cheeked Spinetail (2), Ashy-throated Casiornis, Aplomado Falcon, Red-billed Scythebill and Golden-green Woodpecker. Later on, in the late afternoon, we birded the caatinga site near a pond mentioned by Matheve (-10.065306, -38.478528) but this didn't produce much.

Finally, Canudos might be a good spot to connect with Blue-winged Macaw. Bob Jefferson told us to go here: -9.962092, -39.173689. Coming from the north, take a right turn where you're supposed to go left for Canudos. After 1.2 km there is a bridge over a small valley, from where we soon saw two birds that came flying in and landed in the large trees. Also seen here in December 2018.

Murici (União dos Palmares)

This is now the only place to pick up the now rare Alagoas Antwren and Pernambuco Foliage-Gleaner. Also, Alagoas Tyrannulet and Orange-bellied Antwren are here, but these are easier to see at Frei Caneca (see below). Another specialty of the region, White-collared Kite, can also be seen here but you have to be lucky to see them. Easier are Atlantic Rainforest specialties such as Scalloped Antbird, Black-cheeked Gnateater and East Amazonian Fire-eye. Black-headed Berryeater has been regularly seen here in recent years. Other birds of interest here are the local subspecies of White-bellied Tody-Tyrant (naumburgae), Red-stained Woodpecker (affinis), White-shouldered Antshrike (distant) and the apparently very rare Amazonian Barred Woodcreeper (medius).

Target list

Only here or best spot	Shared with Frei Caneca	Shared with FC (best there)
Alagoas Antwren	White-collared Kite	Orange-bellied Antwren
Pernambuco Foliage Gleaner	Long-tailed Woodnymph	Alagoas Tyrannulet
	Scalloped Antbird	Seven-colored Tanager
One of best spot	Jandaya Parakeet	Plain Parakeet
	Black-cheeked Gnateater	Good spot, not best
White-throated Spadebill	East Amazonian Fire-eye	Silvery-flanked Antwren
	White-bellied Tody-Tyrant	Bearded Bellbird
Non-targets only / best here: White-shouldered Antshrike, Yellow-backed Tanager		

Red = country-endemic, black = range-restricted, grey = good, but difficult

Logistics / accommodation

Coming from Jeremoabo, it will take around 5 hours to get to União dos Palmares. We stayed in the famous Quilombo Hotel Fazenda. From here to Murici is another 1h15m drive, and you need a 4x4. Therefore we contacted Charles Almeida from Gato do Mato Expedições (gatodomatoexpedicoes@gmail.com). He doesn't speak English, but he uses Google Translate to communicate. In his e-mail he told us he knew the names of the birds in English, but since he forgot his list when he was birding with us, he did not... Initially we booked him for 2 days and were supposed to pay 1200 BRL for two days. Seeing nearly all of our targets on our first day, we changed our plans and paid Charles BRL 700 for one day. He even suggested this himself, as (we think) he got a phone call for another unexpected job for the next day. Charles knows where to find the birds, but he only knows the targets. We found him to be a bit too negative about the drizzling weather that day and – as said – he had problems with the English names not having his list on him. He wasn't open for ID discussions and persistently called our Amazonian Barred Woodcreeper(!) a Lesser...

For Murici, Frei Caneca and Pedra D'Anta we stayed in the Quilombo Hotel. We paid BRL 1200 for the accommodation and spent another BRL 500 on food and drinks. It's a great place and pretty western (also the prices), but also here nobody speaks English. As this hotel is located at the edge of Murici forest, birding can be done even in the garden, where Long-tailed Woodnymph and Seven-coloured Tanager are regularly found. From the road down below, you might want to scan for White-collared Kite between 9 AM and 3 PM.

Birding

Birding Murici Ecological Station by yourself is not allowed under Brazilian law, though birding here is pretty straightforward: it's just one trail that forks off only once. The first part of the trail is quite broad and in good condition, only the latter part is smaller and a bit more slippery. The trail ends at an open area where we found both Alagoas Tyrannulet and a pair of Orange-bellied Antwrens (-9.211726, -35.870018). A good spot for Alagoas Antwren is where the broader trail slowly curves to the left – a bit downhill (-9.212636, -35.876734). We found two males singing here and another male between here and the end of the trail. In an area that Charles said is good for Pernambuco Foliage-Gleaner, we found Black-headed Berry-eater (-9.212593, -35.872010). Pernambuco FG was later seen more close to the start of the trail: -9.217110, -35.879378. The antbird and gnatcatcher can be found anywhere along the trail.

We found almost of our targets along the first (broader) part of the trail. This part was quite birdy in general, and we saw a nice flock with Silvery-flanked Antwren, Rufous-winged Antwren, Yellow-green Grosbeak, Red-stained Woodpecker and Bright-rumped Atilla. This was also the part of the trail where we fortuitously connected with the Pernambuco Foliage-Gleaner. At the Alagoas Antwren spot, we had our only Pearly-breasted Cuckoo of the trip. Before or after leaving Murici, it might be worth to spend some time scanning from where Charles parks the car: -9.225425, -35.879554. In the early morning, we saw our first Seven-coloured Tanagers here (scope views) and in the afternoon, we had good views of Red-shouldered Macaws here. It can also be a good spot for White-collared Kite.

Frei Caneca (Jacqueira)

Typically, people go here for Orange-bellied Antwren and Alagoas Tyrannulet – as both are uncommon in Murici. Other good species include Willis's Antbird and an as of yet undescribed subspecies of Eared Pygmy-Tyrant (both species can also be found at Pedro D'Arta). Surprisingly, Caio Brito – a nice fellow guiding for Brazil Birding Experts – found a Pinto's Spinetail here the other day after it hadn't been seen here for a lone time! It is also a good spot for both Jandaya and Plain Parakeet. Frei Caneca is also where Alagoas Foliage-Gleaner was last seen, back in April 2012.

Target list (also Pedro D'Arta)

Only here or best spot	One of best spots	Good spot, not best
Orange-bellied Antwren	Also 'shared with FC'-list Murici	Mantled Hawk
Pinto's Spinetail	Frilled Coquette (PA)	Rufous-winged Antshrike
Seven-collared Tanager	Sombre Hummingbird	Copper Seedeater (PA)
Alagoas Tyrannulet	Brazilian Tanager (mostly PA)	Smoky-fronted Tody-Flycatcher
Plain Parakeet	Rusty-margined Guan (mostly PA)	
Guianan Tyrannulet	Pale-bellied Tyrant-Manakin (PA)	
Willis's Antbird	Black Jacobin (PA)	
	Red-necked Tanager	
Non-targets only / best here: Lesser Swallow-tailed Swift		

Red = country-endemic, black = range-restricted, grey = good, but difficult // PA = Pedro D'Arta

Logistics / birding

From União dos Palmares, it's 1h15m to the forest of Frei Caneca. We asked for permission to bird the area, but the office was closed early morning and went straight in. From the main road to Jacquirá, follow the instructions in Gordijn's report, but make sure you turn right after his last left turn-off: -8.734021, -35.817906. We parked where Gordijn (2015) suggests to park, which is at a turn-off to the left and can't really be missed.

From here, just bird from the main road going further up. Right at the start we found a beautiful male Black-cheeked Gnateater (-8.7344, -35.8382). There are several turn-offs going down again, but make sure to follow the road up and only after the junction with three other roads/trails, keep left and take the road down on the left (wrong GPS). This will lead to the dam where Matheve (2011) saw Orange-bellied Antwren, Alagoas Tyrannulet and Eared Pygmy Tyrant. We, like Gordijn, saw Alagoas Tyrannulet just past where we parked the car in a huge flock along with Seven-collared Tanagers, Sombre Hummingbirds, Flame-crested Tanagers, Black-eared Fairy and more. A male Orange-bellied Antwren was seen by one of us near the TO to the dam. Despite persistent taping, we did not find Willis's Antbird nor Eared Pygmy Tyrant.

Pedro D'Anta (Lagoa dos Gatos)

This is a newly established reserve that only recently (2011) officially opened its doors. It can only be visited by arranging a trip via their Facebook site (see details below). It might be your only chance of seeing Pinto's Spinetail – a declining species in the region. Also, they just opened a very nice garden for hummingbirds where up to twenty-one species of hummers have been recorded already.

Logistics / birding

To visit the reserve, contact Bárbara (+55 81 98117-2017) via Facebook, see <https://www.facebook.com/serradourubu>. She speaks English perfectly, and is happy to help. There are opportunities to stay overnight in the reserve, but it's only a small lodge that could accommodate two people at the time (there is a camping area too). A better option would probably be to stay in nearby Lagoa dos Gatos. From here, there is a 7 km dirt road to the reserve. In the rainy season, this road is probably not accessible without an 4x4, but they can send a car to pick you up and bring you back to town for \$120. If you drive yourself, ask Barbara for a GPS track. From União dos Palmares, it's 1h30m to Lagoa dos Gatos, and from there it is another 20 or so minutes. Entrance to the reserve itself is free, but to bird the trails you need to have a local guide who doesn't speak English (20 BRL). We paid another 20 BRL pp for a great lunch, and gave another 50 BRL as a gift for the reserve.

On the way to the reserve, Cinereous-breasted Spinetail could be found at -8.684530, -35.866625, a short distance down a side track to the right. We didn't find any during a brief attempt, but did find Tawny Piculet and Ruby-topaz Hummingbird here. A little before the entrance gate to the reserve, try to tape for Smoky-fronted Tody-Flycatcher at -8.690931, -35.857928. We got an immediate response and had good views.

After passing the gate, you'll find the hummingbird garden and rest house on the right. We signed the guest book here, and watched the feeders for a while. Black Jacobins and Sombre Hummingbirds are common and we also saw Black-eared Fairy, White-chinned Emerald, Ruby-topaz Hummingbird, and a nice male Frilled Coquette feeding on low flowers right along the path. Racket-tailed Coquette is a frequent visitor, but we didn't see it. Brazilian Tanagers regularly visit the garden too, feeding on the fruit here. Just outside the garden, during our lunch, we had a nice encounter with Long-tailed Woodnymph.

In the reserve, there is only one trail and this is where we found Willis's Antbird, Pinto's Spinetail and Eared Pygmy Tyrant – all more or less in the same area here (-8.6982, -35.8559). The antbird was found in a sharp bend to the left, just after a small rocky area. It called for a long time, but seemed to be high up in the canopy and we never managed to see it. After this, the trail bends to the left again and after a few 100m we found a pair of Pinto's Spinetail. We randomly played the tape got an immediate response. A little further on, one of us managed to see the endemic subspecies of Eared Pygmy Tyrant.

Tamanderé: Trapiche & Saltinho Reserve

In the area of Tamanderé, there are only two real targets: Forbes' Blackbird and Yellow-faced Siskin. However, it is also a good area to look for White-collared Kite, Pinto's Spinetail (last in 2015), Smoky-fronted Tody-Flycatcher and more. Only two places need to be visited. A new place called Trapiche, north of town, is described here as being a good spot for almost all targets except the siskin. For the siskin, your best chances are in the Saltinho Reserve west of town.

Logistics / accommodation

Getting from the reserve Pedra D'Anta to the Trapiche area takes around 2.5 hours. From here, it's another 12.7 km to the entrance of the Saltinho Reserve and another 8.8 km to Tamanderé. In Tamanderé we stayed in the Pousada Costa Tropical (BRL 324). This was reasonable, though both bath rooms smelled quite bad. Anyways, breakfast is great (7:30- 10) and the pizzeria in town is even better. We also did our laundry here. In the pousada of course, not the pizzeria...

Birding

In the **Trapiche area**, a good option to scan for White-collared Kite is from one of the hills bordering the forest (-8.642631, -35.186301). Coming from the east over the PE-073, we turned right here: --8.65233, -35.19493. This dirt road is going all the way into what's left of the forest. For about 850 m or so, there is forest on both sides close to the road starting here: -8.629452, -35.181689. We did not go into the forest, since we had already seen Smoky-fronted Tody-Flycatcher and Pinto's Spinetail elsewhere. One late afternoon, we scanned from the aforementioned hill for the kite, but only got distant views of White-winged Cotinga and Lettered Aracari. The next morning, after some rain, dirt roads here were impassable and we instead decided to scan from a section of the main road where some forest is nearby on both sides (-8.654695, -35.174831). In between the showers on this late morning, raptors started flying and we soon saw a juvenile White-collared Kite flying over, crossing between forest patches and flying across the road. At this very same spot, Forbes Blackbird is easy: we played the tape and got an immediate response from the north side of the road. They seem to hang around near the pool right here: -8.653440, -35.173794.

The **Saltinho Reserve** itself is closed to visitors, but there is no need to go inside. Siskins like pines and the pines are at the entrance: -8.732688, -35.17376. Just wait in front of the entrance and keep scanning the treetops. We tried very briefly at dusk and on the following morning, when we saw a young male for a minute or so perched in the tops of the pines. On both occasions it was raining, so we saw few other birds here. Gordijn (2015) saw Golden-tailed Parrotlet here on both of his visits, a species we missed during our trip. The nearby waterfall trail on the way back to Tamanderé is supposedly good for Seven-coloured Tanager, Smoky-fronted Tody-Flycatcher and rails, but we didn't bird here due to bad weather (see Matheve and Gordijn for more details on how to get there).

Barra de São Miguel

This mangrove between Tamanderé and Crasto is a known stake-out for Rufous Crab-Hawk.

Logistics / birding

Getting from Tamanderé to the viewpoint to scan for the crab-hawk takes about 4 hours. We arrived late afternoon (16:30) and immediately found a perched Rufous Crab-Hawk. Turn off here -9.835839, -35.929104 and park here to scan: -9.836583, -35.932807.

Crasto forest (Crasto)

The only place for Fringe-backed Fire-eye. The best place on the tour to see Orange-winged Amazon too, but very common all over the Amazon.

Logistics / accommodation

From Tamandaré to Estancia is about 8 hours, from Barra de São Miguel it's only 4 hours. In Estancia, we spent the night in Pousada Jardim just north of town (BRL 238). Breakfast: 6-9 AM. From here, it's 20-30 minutes to the forest around the small village of Crasto.

Birding

Birding Crasto forest is done easily along a (now) asphalted road though the forest. We parked right at the coordinates given by Matheve (2011) and Gordijn (2015), but eventually found Fringe-backed several 100s meters back towards Crasto at -11.371215, -37.426963. We found both a male and female here, and saw them well. Make you sure you check the song as we were almost misled by the quite similar song of White-flanked Antwrens (also present). Several Orange-winged Amazones were seen flying over and perched in the open area near where we parked the car (-11.373773, -37.424926). We also picked up our first Sooretama Slaty Antshrike here, but saw many after.

Chapada Diamantina

National Park Chapada Diamantina is a narrow, long mountain range in the north of Bahia. Both the scenery and the birding is very diverse. Birding includes mostly campo rupestre (arid mountain shrubs), caatinga and cerrado. It holds four real endemics: Sincora Antwren, Diamantina Tapaculo, Hooded Visorbearer and Serra Finch, also known as Pale-throated Pampa-Finch. Other species with a restricted range occurring here are Sao Francisco Sparrow, Grey-backed Tachuri, Velvety-black Tyrant, Shrike-like Tanager, Collared Crescent-chest, Rusty-backed Antwren, Rufous-sided Pygmy-Tyrant and Horned Sungem. Some of the caatinga specialties among these species can also be seen in Caetité (if in your itinerary at all), but it's better to look for them here.

Target list

Only here or best spot	One of best spots	Good spot, not best
Hooded Visorbearer	East Brazilian Chachalaca	Broad-tipped Hermit
Sincora Antwren	Yellow-legged Tinamou	Silvery-cheeked Antshrike
Diamantina Tapaculo	Caatinga Antwren	Narrow-billed Antwren
Serra Finch	Cinnamon Tanager	Ceara Gnatcatcher
Grey-backed Tachuri	Black-throated Saltator	Gilt-edged Tanager
Sao Francisco Sparrow	Biscutate Swift	Pale-bellied Tyrant-Manakin
Velvety Black Tyrant		Surucua Trogon
Collared Crescent-chest		Rufous-winged Antshrike
Horned Sungem		White-bellied Seedeater
Rufous-sided Pygmy Tyrant		Copper Seedeater
Shrike-like Tanager		Blue Finch
Non-targets only / best here: Highland Elaenia, Red Tanager, White-eared Puffbird, Stripe-tailed Yellow Finch, Plumbeous Seedeater		

Red = country-endemic, black = range-restricted, grey = good, but difficult

Logistics / accommodation

For us, Chapada Diamantina was a 7 hour drive from Estancia, including a 30 minutes lunch break and a 15 minutes stop near a pond with our only Comb Ducks and White-cheeked Pintails (-12.468190, -40.549286). For details on driving times between birding spots, see below.

To bird Chapada Diamantina, it is best to spend nights in two different places: in the Lençóis area in order to visit the wet forest of Lençóis, Morro de Pai Inacio, and the Palmeiras area; and in Mucugê in order to visit all areas south of the small village of Guiné, and the areas around Mucugê itself. Gordijn stayed in Ibicoara for Diamantina Tapaculo, but since there is a 'new' good spot for this species just east of Mucugê (see below for details) and it's a 45 minute drive to the birding spots near Mucugê, this is not ideal. For the Lençóis area, we advise to stay in the Pousada Morro do Pai Inacio (-12.461330, -41.468003), located just few 100m before the entrance road to the mountain. The restaurant next to it is pretty good and breakfast is served until noon. Nobody speaks English, except one guy called Viktor. We paid 550 BRL for a single room (4 single beds) and 400 BRL for dinner / beer. In Mucugê we stayed in the great Pousada Monte Azul (75 BRL pppn; 1 room) which – quote – 'serves the best breakfast in the region' and actually they do: it's excellent! It's served between 6:30 and 9:30. Rooms have no aircon, but a fan. The owner speaks German and also speaks English. They have a very nice seating area too.

Birding

If you enter Chapada Diamantina from the northeast, like we did, turn left towards Lençóis (-12.477991, -41.359294). After about 7.8 km, turn left on a dirt road (-12.544553, -41.369610). This is what people refer to as the dry forest north of **Lençóis** and is where Blue-winged Macaw, Surucua Trogon and Yellow-legged Tinamou are regularly observed. We found the latter two species right at the Y-fork 600 meter in (-12.545347, -41.364654) during a brief visit at dusk. The tinamous were heard-only, but several called non-stop. In Lençóis, it may be worth to visit Casa de Geleia (-12.560477, -41.387054) for Brown Violetear. However, when we were here, the nice owner – who speaks English perfectly – told us it hasn't been seen for months and that it's better to be there early morning. We did see a female Scarlet-throated Tanager here.

After Lençóis, drive back to the main road (road 242) and head left. After some kilometres, you'll see pousada Morro Do Pai Inácio on the left (see details above) and after another few 100 meters, turn right to the famous **Morro Do Pai Inácio**. At the end of this road, there is a parking area (-12.455570, -41.473148). The trail up to the plateau starts right behind the small stone building on the right. We found White-eared Puffbird at the start of the trail, and all other targets can be found along the trail or on top of the plateau. The Velvety Black-Tyrant is only found along ridges on top of the mountain. We found 5 Hooded Visorbearers, 3 Serra Finches and 8 Velvety Black-Tyrants which were almost all surprisingly tame. The view here is spectacular! Once you have bagged the targets, which shouldn't take too long, bird along the dirt road back to the main road. We birded from the corner to the left (park here: -12.450533, -41.477918) downwards, mostly for Collared Crescent-chest and Blue Finch. We only heard the former and did not see the latter, but did see Cinnamon Tanager, Black-throated Saltator, Rufous-winged Antshrike, Highland and Plain-crested Elaenia on the two mornings we birded here.

For Sincora Antwren, there is a 'new' spot (referred to here as **Rd 242 / Rio São José area**) close to the one described by Ciro in his article. From Morro Do Pai Inácio, head east for 1.9 km past the pousada and then turn right here: -12.471023, -41.454989. The dirt road is barely visible and very poor, but you can park little further where there is an open area and continue by foot. From here follow the dirt road down south for about 450 m, cross the small stream, and continue for about 700 m (-12.480213, -41.451010). Here, play the tape. We found a nice pair of antwrens during the middle of the day. Walking back, two of us shortly saw a male Blue Finch here. Near the stream, two of us saw their first Gilt-edged Tanagers.

From the pousada, head further west on road 242 and turn left for **Palmeiras** (-12.451151, -41.591241). The whole stretch to Palmeiras and further south to Guiné is in a bad condition with many potholes. Navigating further south through town can be challenging, but make sure you end up at the start of this road: -12.519074, -41.577057. From here, turn right after 1.6 km (-12.530525, -41.570060: Mucuge / Guiné) and park the car c 1 km after the first bridge. From here, follow the road and try to enter the riverbed on the left. We played the tape here (-12.546018, -41.575477) and soon found ourselves watching this beautiful bird. We didn't do any other birding in this area, but others found caatinga-specialties Broad-tipped Hermit (supposedly common), Scarlet-throated Tanager and Stripe-breasted Starthroat here.

Further south, about 15 km south of Palmeiras, you hit a more open, distinct area on a sandy soil with some low scrub and bushes (cerrado). This is where many people pick up species like Rufous-sided Pygmy-Tyrant, Collared Crescentchest, Rusty-backed Antwren, Shrike-like Tanager, Grey-backed Tachuri and Horned Sungem. We soon located the first three of those species, with a bit of help from the tape, more or less all at the same spot: -12.644122, -41.568315. On our only visit here, during a late afternoon, we did not find the other species except a few Campo Flickers. For the other two target species, we birded the area as described by Gordijn in his trip report. This place is about 10 km south of a place called **Guiné**, halfway along the western edge of the Chapada Diamantina. We birded a late morning and next a very early morning here. On the first visit, we only found a pair of Shrike-like Tanagers, while on the second visit, we quickly found our two main targets: Grey-backed Tachuri and Horned Sungem. Park the car somewhere around here (-12.851493, -41.510445) and bird the trails east of the road. At a stop at the marsh along the dirt road at -12.872231, -41.506091 (about 19km in from the asphalt road from Mucugê), we found not only 3 Copper Seedeater, but also Yellow-bellied, White-bellied and White-throated Seedeater.

After visiting all the sites mentioned above, head further south and then turn left as the dirt road hits the asphalt again. From here, it's only a short drive to what should be your second basis in the Chapada Diamantina: **Mucugê**. There are basically three birding spots to focus on: [1] the 'new' spot for Diamantina Tapaculo ca 11 km east of town, [2] the spot for Sincora Antwren ca. 4 km east of town along the same road (described in Ciro's article) and [3] the good cerrado about 12 km west of town. In this respect, it is noteworthy to state that the GPS points as given by Ciro and Matheve for the last spot are no longer helpful. The dirt road as described by them is now privately owned and fenced. However, I do believe the whole area west of the old air strip of Mucugê is still pretty good. To get there, take the first dirt road to the left (-13.031382, -41.449983) and park after 1.3 km where five roads come together (-13.042486, -41.451425). Late afternoon, we found several Shrike-like Tanagers, Rufous-sided Pygmy-Tyrants and Collared Crescentchests (2+). In the early evening, many Lesser Nightjars started flying and calling, and we heard Spotted Nothura and Small-billed Tinamou.

For the antwren and the tapaculo, head east from Mucugê on BA-142/245. For Sincora Antwren, park near the dirt road on the left here: -12.990003, -41.348511. Walk the dirt road left of the road and try the tape near the old abandoned stone building. We had seen Sincora Antwren at the site near Morro Do Pai Inácio and visited this site mostly for Grey-backed Tachuri, but found neither of these two species during a visit at the middle of the day. Continuing the road further east for 6.7 km, there is a spot for Diamantina Tapaculo right along the road (-12.960552, -41.316517). Park a little further on the right, near the yellow sign on the same side. Walk back in the direction of Mucugê and play the tape near the dense forest patch on the right hand (northern) side. We first visited mid-afternoon, when we got zero response, but came back late afternoon the same day and got a response from deep into the vines/tangles. As the bird didn't seem to move, we walked to the bird and had reasonable views of this mouse-like species.

Bom Jesus de Lapa & Caetité

In Bom Jesus de Lapa, there is only one real target: Bahia's Nighthawk. However, this is also a good place to pick up on some more "trip-only's" as this is quite far inland. Caetité holds just two targets: the very localized Minas Gerais Tyrannulet and Helmeted Manakin (the latter also being easy in SE-Brazil). Also, Wagler's Woodcreeper - a subspecies of Scaled Woodcreeper - is worth mentioning here though it's still not and probably never will be recognized as a valid species on its own.

Target list

Only here or best spot	One of best spots	Good spot, not best
Minas Gerais Tyrannulet	Sao Francisco Sparrow	Silvery-cheeked Antshrike
Bahia Nighthawk	Caatinga Antwren	Narrow-billed Antwren
Scaled Woodcreeper (ssp.)	Helmeted Manakin	Ochre-cheeked Spinetail
		Cinnamon Tanager
		Black-throated Saltator
		Orange-fronted Yellow Finch
Non-targets only / best here: Rusty-backed Spinetail, Greater Thornbird, Toco Toucan		

Red = country-endemic, black = range-restricted, grey = good, but difficult

Logistics / accommodation

Getting from Mucugê to Caetité takes about 4.5 hours. Make sure you take the BA-142 down south, then head west along the BA-026 and 030. Google Maps advises to pass through the Chapada itself, but this was strongly discouraged by the owner of pousada Monte Azul as road conditions for this route are very bad and it will probably take you much longer to get to Caetité. From here, it's another 1h45m to Bom Jesus de Lapa. From Caetité to the site for the tyrannulet is another 20 minutes or so. In Caetité, we slept in Hotel Vila Nova de Principe. It's a lovely hotel with a nice garden and swimming pool. Breakfast is great. In the restaurant below western food is served.

Birding

In **Bom Jesus de Lapa**, there are two spots to look for the nighthawk: the Rio Sao Francisco or the Rio Corrente. The first is the main river west of town, the second a smaller tributary of the former. The latter is about a 20 minute drive NW of Bom Jesus de Lapa, and is where we tried, since we figured that a narrower river may offer better viewing conditions. Unfortunately, we were not allowed to enter the area next to the river where there was an eBird sighting (we asked politely though), and decided to just scan from the bridge here (-13.149026, -43.540007). This worked out just fine, but make you sure you don't give up early: the nightjars only arrive when it is almost dark, flying low over the river. They are small, dark and barred. While waiting for them, we picked up on a few species not seen elsewhere like Greater Thornbird and Rusty-backed Spinetail.

For Minas Gerais Tyrannulet and Helmeted Manakin near **Caetité**, follow the instructions in **Ciro's** article until Brejinho das Amistas, which is now all asphalt road. Drive 2.7 km past the town and park -14.287844, -42.533837. From here, take the dirt track to the left. After about 220m, there is another track to the right. Head left for the forest, where we saw Helmeted Manakin (-14.2897, -42.5306) and Ochre-faced Tody-Flycatcher. This is where Matheve saw Minas Gerais Tyrannulet. We saw two of them along the track to the right, about 350 m in (-14.292479, -42.532609). In this area we also saw our only Toco Toucan.

Boa Nova

This long-known birding hotspot and National Park in the east of Bahia holds several endemics and range-restricted species like Bahia Spinetail, Rio de Janeiro Antbird, Striated Softtail, White-bibbed Antbird, Fork-tailed Tody-Tyrant, Ochre-rumped Antbird, Pin-tailed Manakin and many, many more. It even holds an endemic of its own, Boa Nova Tapaculo, although this species is rarely encountered. A nearby site holds bamboo where two localized seedeaters, Buffy-fronted and Temminck's Seedeater, can be found. Birding here involves mainly montane Atlantic Forest, but the area also holds some new caatinga specialties like Slender Antbird, Narrow-billed Antwren and Hangnest Tody-Tyrant. In addition, some marshes have Giant Snipe.

Target list

Only here or best spot	Good spot, not best	
Rio de Janeiro Antbird	Yellow-legged Tinamou	Brazilian Tanager
Buffy-fronted Seedeater	Caatinga Antwren	Golden-chevroned Tanager
Temminck's Seedeater	Ferruginous Antbird	Narrow-billed Antwren
White-breasted Tapaculo	Scaled Antbird	Hangnest Tody-Tyrant
	White-bibbed Antbird	Black-throated Grosbeak
One of best spots	Grey-capped Tyrannulet	Chestnut-bellied Euphonia
Crescent-chested Puffbird	Fork-tailed Tody-Tyrant	Cinnamon Tanager
White-collared Foliage-Gleaner	Grey-hooded Atilla	Ochre-rumped Antbird
Spot-breasted Antwreio	Scarlet-throated Tanager	Cryptic Antthrush
Pin-tailed Manakin	Mantled Hawk	Oustalet's Tyrannulet
Yellow-lored Tody-Flycatcher	Scale-throated Hermit	Smoky-fronted Tody-Flycatcher
Pygmy Nightjar	Black Jacobin	Copper Seedeater
Drab-breasted Pygmy-Tyrant	Spot-billed Toucanet	
White-eyed Foliage-Gleaner	Spot-backed Antshrike	
Red-necked Tanager	Tufted Antshrike	Please note also the right column in the target list 'Poçoões: Serra de Arreppio & Nova Canaã' for more targets!
Giant Snipe	Rufous Gnatcatcher	
	Ochre-faced Tody-Flycatcher	
	White-throated Spadebill	
Non-targets only / best here: White-browed Blackbird		

Red = country-endemic, black = range-restricted (except Giant Snipe), grey = good, but difficult

Logistics / accommodation

Getting from the city of Caetité to the small village of Boa Nova takes around 4.5 hours. From here, it's only a 15 minutes' drive to the dirt road of the so-called 'wet forest', and another 25 minutes to Timorante forest. The mata-do-cipó (dry forest) with the caatinga specialties, near the antenna towers north of town, is 15 minutes away. In Boa Nova, we slept in the new Hotel Sande. Both Hotel Solar (Ciro) and the Pousada dos Passaros (Gordijn) do no longer seem to exist and Giro now advises Hotel Sande. We paid 100 BRL for two doubles. They serve early breakfast, rooms are very clean (new towels daily) and both lunch and dinner are excellent! We paid 2600 BRL in total for 4n/5d and almost all dinner/lunch.

Birding

Birding Boa Nova involves four birding spots: two east of town and two north(west) of town. The first two involve montane Atlantic forest, and the latter two involve a caatinga habitat and a rocky hilltop. While the list of targets for the first two birding spots is nearly endless (see below), for the latter two it's rather simple: in the caatinga habitat look for Slender Antbird, Narrow-billed Antwren and Hangnest Tody-Tyrant; on the rocky hilltop there are ground cacti attracting Ruby-topaz

Hummingbird, Sapphire-spangled Emerald and many more hummers. We didn't visit the rocky hilltop, as we visited a similar rocky hilltop near Poçoões. It is worth noting that we saw all of the caatinga specialties easily in Serra de Arreppio – even without looking for any except the tody-tyrant.

For the so-called **wet forest** about 11 km from Boa Nova, take the dirt road eastwards of town (030) and then turn left here: -14.411638, -40.138115. Continue driving for about 750 m and park here: -14.414671, -40.132410. Both the main road as well the small trail that starts about 30 m past the information sign on the left can be birded. The trail is quite indistinct, but we found it pretty birdy finding Tufted Antshrike, Scaled Antbird, Rufous Gnateater (4+), Grey-hooded Atilla and both Pin-tailed (3+) and Blue Manakins (5+) at the top: -14.409160, -40.127561. Here, the trail becomes more overgrown and inaccessible. On our last morning, we saw White-throated Woodcreeper, Yellow-throated Woodpecker, Red-ruffed Fruitcrow, Brazilian Ruby and East Brazilian Pygmy Owl along the trail, with both Buff-fronted and Ochre-breasted Foliage-Gleaner at the GPS point.

Back at the main road near the start of the trail, we saw a pair of Striated Softtails, Rio de Janeiro Antbird, Ferruginous Antbird, Bahia Spinetail, Black-throated Grosbeak and Fork-tailed Tody-Tyrant. At the small stream that crosses the road just a bit further on, opportunistic taping immediately resulted in a very responsive Sharp-tailed Streamcreeper that showed well. A little further, in an area with many ferns to the right of the road, we found Spix's Spinetails with the help of the tape. We birded this area one early morning and two late afternoons.

The second place is mostly referred to as **Timorante forest**. To get here, just follow the 030 further east to the small village of Valentim (about 23 km) and turn left here: -14.446370, -40.059232. Shortly after, take a sharp turn left and follow this road – soon becoming a dirt road – for about 2.2 km. Open the fence and park a little further on near a small stream (-14.437211, -40.076974). From here, continue to follow this dirt road and walk towards the forest. In the forest, keep left at the only turn-off. After some bends in the road, you'll find lots of bamboo on your right hand. This is where we found both Buffy-fronted and Temminck's seedeaters (-14.434743, -40.091384). A little further on, the track is blocked by a gate and the forest gives way to a farmland area. Here, we had good views of a group of Golden-capped Parakeets. We found it to be very birdy along the last stretch of the trail, seeing Yellow-eared Woodpecker (2), Golden-rumped Euphonia (5), Brazilian Tanager, Mantled Hawk, Black-goggled Tanager, Striated Softtail (4), Cinereous Antshrike (2) and Chestnut-bellied Euphonia.

The third place we visited near Boa Nova is the **dry forest** 5km NW of Boa Nova. Again, take the 030 but go west instead of east as you would for the other two places (also the rocky hilltop). Soon, take a right turn at -14.365186, -40.219462 and continue for 4.8 km till you reach the antenna towers. Park here: -14.345068, -40.248379. After you parked, continue on foot on the main road. After about 575 m, you reach the dry forest. We found both Narrow-billed Antwren and Slender Antbird at the end of the first trail in, starting here: -14.339237, -40.245221. Another Slender Antbird was found along the main road. Despite taping, we didn't find Hangnest Tody-Tyrant here.

If you have (a little) time left, like we did, you can try for Boa Nova Tapaculo. You can look for it in the forest NE of the Giant Snipe marsh right here: -14.421668, -40.123925. From here, it's a long walk through mostly degraded habitat. We walked up quickly, but it still took us 45 minutes (through the open field in the burning sun)! You really need a GPS as the trail is really hard to find – please contact me or Ciro. Only the last part of the trail goes through the forest, where we heard our only White-bibbed Antbird within the National Park. At the spot for the tapaculo (-14.411897, -40.116175), we found no Tapaculo but we did hear and then see a beautiful Cryptic Antthrush. With the help of tape, the bird started to slowly walk around us in big circles and was eventually seen by everyone.

Poçoões: Serra de Arreppio & Nova Canaã

Since a few years, bird tours have started to visit the Serra de Arreppio – another patch of Atlantic rainforest about 22km southeast of the Boa Nova National Park. While there is considerable overlap with Boa Nova in the species composition, some species are only seen here: Wied’s Tyrant-Manakin (very local!), Reiser’s Tyrannulet and Southern Antpipit. Also, it’s the only place where you can see the nominate of Rufous-breasted Leaf-tosser on this itinerary. Furthermore, White-bibbed Antbird is ridiculously common here. Another patch, 40 km south of Boa Nova, holds two more specialties not likely to be found elsewhere in NE-Brazil: Three-toed Jacamar and Orange-eyed Thornbird. Finally, near Poçoões there now is a good place for Giant Snipe.

Target list

Only there or best spot	One of best spots	Shared with <u>only</u> Boa Nova
Three-toed Jacamar	White-browed Antpitta	Slender Antbird
Orange-eyed Thornbird	Grey-capped Tyrannulet	Black-goggled Tanager
Wied’s Tyrant-Manakin	Scarlet-throated Tanager	Olivaceous Elaenia
Scaled Woodcreeper	Hook-billed Hermit	
Southern Antpipit	Narrow-billed Antwren	Shared with Boa Nova (One of best spots only)
Reiser’s Tyrannulet	Hangnest Tody-Tyrant	
Rufous-breasted Leaf-tosser	Rufous Gnatcatcher	Hook-billed Hermit
Greenish Schiffornis	Ochre-faced Tody-Flycatcher	Bahia Spinetail
	White-throated Spadebill	Pallid Spinetail
One of best spot	Cinnamon Tanager	East Amazonian Fire-eye
Buff-throated Purpletuft		Rufous-headed Tanager
Yellow-legged Tinamou	Good spot, not best	Gilt-edged Tanager
Grey-headed Spinetail	East Brazilian Chachalaca	Silvery-cheeked Antshrike
Caatinga Antwren		Giant Snipe
White-bibbed Antwren		Black-billed Scythebill
		Blue-winged Macaw
		Maroon-bellied Parakeet
		Blue Manakin
Non-targets only / best here: Golden-rumped Euphonia		

Red = country-endemic, black = range-restricted, grey = good, but difficult

Logistics

To visit Serra de Arreppio & Nova Canaã it’s best to contact Mateus Gonçalves (+55 77 8823-8465). He is a youngster living with his family in Poçoões that really knows where to find the birds. He only charges you 200 BRL per day, but we paid 250 BRL per day and an extra 50 BRL for joining us looking for Giant Snipe on New Year’s Eve! It’s best to pick him up at his house (30min from Boa Nova) and then drive for another 20 minutes to Serra de Arreppio. From here, it’s another 45 minutes to Nova Canaã. The final part of this road is in a very bad condition and we walked the last 600m. The place for the snipe and a rocky hilltop for hummers are both only 15 minutes from Poçoões.

Birding

There are basically four birding spots that can be visited with Mateus. The first one is the biggest and by far most important: **Serra de Arreppio**. From Poçoões, we followed the BA-262 to the southeast and took a left turn in Morrinhos (-14.563589, -40.308466). From here, it’s another 5.1 km to where Mateus told us to park (-14.556361, -40.265422). Mateus then took us up to a trail to the left and walked up to the forest edge. There, he showed us Wied’s Tyrant-Manakin (-14.550687, -40.266896), soon followed by Greenish Schiffornis, White-bibbed Antbird (6+) and Narrow-billed Antwren (4+).

More White-bibbed Antbirds and Southern Antpipit were found deeper in the forest: -14.546178, -40.271498. A place for Reiser's Tyrannulet is found near the end of a valley: -14.543039, -40.270790. We did not find it (according to Mateus, it is likely seasonal and may not be around at this time of the year; I did see it here in December 2018 though), but we did have nice views of Maroon-bellied Parakeet (6), Bahia Spinetail and Black-billed Scythebill here. By walking around, we also picked up Hangnest Tody-Tyrant (2), Rufous-breasted Leaf-tosser, Grey-capped Tyrannulet and Rufous Gnatcatcher. Buff-throated Purple-tuft is apparently easier here than at Boa Nova, but we did not see it. One morning should be enough here.

We spent one late morning / early afternoon in a forest patch 10 km NW of the town of **Nova Canaã**, right along the BA-262. This is the only place now where you can find Three-toed Jacamar and Orange-eyed Thornbird. The jacamar can also be found in the Reserve do Passarinho / Balbina forest, but this was closed at the time of writing and has been since early 2016. Along the forest edge, both specialties were easily found right here: -14.729831, -40.213064. Both were nesting and while waiting we also saw Rough-legged Tyrannulet and Swallow-tailed Cotinga! The latter is a true bonus and rarely seen on a NE-Brazil trip. We saw an adult with two juveniles, so they are likely breeding here! Please note that the road here (starting here: -14.74568, -40.22416) is in bad condition, so you'll need a 4x4 or walk the last stretch.

Closer to Poçoões, two more birding spots are worth visiting. Driving back to Poçoões on the BA-262 you'll find a **marshy area** for Giant Snipe on the right hand – 14.8 km past the turn-off to the forest patch (-14.645966, -40.285521) and about 8 KM from Poçoões. Here, we parked the car, walked to the edge of the marsh, and waited until dusk when we started hearing the snipes. Their display calls in flight differ from the ones on the ground. If you hear the ground calls you can try taping it in, although this didn't work for us. Mateus then suggested to slowly walk along the edge of the marsh. We soon found a bird dropping in nearby and had great (flight) views. Note that the resident pair in Boa Nova, described in a number of trip reports, does not always seem to be around – though it was back there in December 2018 when I visited again.

The other spot, which is about 4 km from Poçoões, is the **rocky outcrop** called Lajedo (-14.5695, -40.3301). Like the one near Boa Nova, it's a place where there are several ground cacti that open around 15:30 and attract many hummers. Most of them are either female Ruby-topaz (6) or Swallow-tailed Hummingbirds (8), but we did also record a nice male Ruby-topaz Hummer and two pairs of the beautiful Sapphire-spangled Emerald, while also seeing several Scarlet-throated Tanagers and hearing Slender Antbird.

Serra Bonita

The mountain range of Serra Bonita holds several endemic species not likely to be found elsewhere, both in the foothills as well as in the reserve. In the foothills, these include White-eared Parakeet, Yellow-fronted Woodpecker and Buff-bellied Puffbird. In the Atlantic Forest uphill, there is some overlap with Boa Nova, but targets here include Bahia Tyrannulet, Salvadori's Antwren, Azure-shouldered Tanager, Pink-legged Graveteiro, Plumbeous Antvireo, Bahia Tyrannulet, Rufous-brown Solitaire (isolated population), and the still undescribed 'Serra Las Lontras' Treehunter. Star-throated Antwren is also sometimes seen here. Finally, the area holds several good raptors like Mantled Hawk, Black-and-White Hawk-Eagle and even Harpy (a breeding pair was found shortly after our visit).

Target list

Only here or best spot	One of best spots - 2	One of best spots - 3
White-eared Parakeet	Striated Softtail	Rufous Gnatcatcher
Brazilian Ruby	White-collared Foliage-Gleaner	Variegated Antpitta
Yellow-fronted Woodpecker	Spot-breasted Antvireo	Blue Manakin
'Serra las Lontras' Treehunter	Silvery-flanked Antwren	Drab-breasted Pygmy Tyrant
Plumbeous Antvireo	Ferruginous Antbird	Eared Pygmy Tyrant
Star-throated Antwren	Scaled Antbird	White-throated Spadebill
Salvadori's Antwren	White-bibbed Antbird	Maroon-bellied Parakeet
Azure-shouldered Tanager	Pin-tailed Manakin	Green-headed Tanager
Cinnamon-vented Piha	Kinglet Manakin	Red-necked Tanager
Pink-legged Graveteiro	Grey-capped Tyrannulet	Black-throated Grosbeak
Streak-capped Antwren	Banded Cotinga	Chestnut-bellied Euphonia
Rough-legged Tyrannulet	Bahia Tyrannulet	
Ochre-breasted Foliage-Gleaner	Yellow-lored Tody Flycatcher	
Black-capped Foliage-Gleaner	Grey-hooded Attila	
Rufous-brown Solitaire	Rufous-headed Tanager	Good spot, not best
White-throated Woodcreeper	Golden-chevroned Tanager	Golden-tailed Parrotlet
	Scale-throated Hermit	Dubois's Seedeater
One of best spots - 1	Surucua Trogon	Tufted Antshrike
Ochre-marked Parakeet	Black Jacobin	Bare-throated Puffbird
Plain Parakeet	Spot-billed Toucanet	Buff-bellied Puffbird
Hook-billed Hermit	Black-billed Scythebill	White-necked Hawk
Sombre Hummingbird	White-eyed Foliage-Gleaner	Pileated Parrot
Crescent-chested Puffbird	Spot-backed Antshrike	Ochre-rumped Antbird
Bahia Spinetail	Mantled Hawk	Cryptic Antthrush
Pallid Spinetail	White-shouldered Fire-eye	Swallow-tailed Cotinga
Non-targets only / best here:: Three-striped Flycatcher, Yellow-rumped Cacique, Magpie Tanager, Lemon-chested Greenlet, Mottled Owl		

Red = country-endemic, black = range-restricted (except Variegated Antpitta), grey = good, but difficult

Logistics / accommodation

Getting from Boa Nova to Camacan takes about 3.5 hours. Make sure you take the BR-030 west of Boa Nova and then head south via BR-116 to Poções. Keep left and follow the BA-262, BA-645 and BA-670 till you reach Camacan. (Don't take the dirt road east of Boa Nova!) From here to Fazenda Santa Antonia (lowland birding) is only 15-20 minutes. To go up to Serra Bonita you'll need to have a 4x4, although in the dry season it might be possible to drive up with a good regular car. (Ciro drives up with his Duster, but he knows every corner.) For transport, you need to contact Lukas Danau (+55 73 9161-9630) via WhatsApp or Facebook. He lives in Ilhéus, about a 2 hour' drive from Camacan. He

drives up really(!) slowly and so the drive will take 1 hour, but probably can be done in 30 minutes. If he stays with you in Serra Bonita you pay for his stay (50 BRL/day) and pay 400 BRL or he drives back to his home town and you pay 800 BRL.

In Camacan, we slept in a hotel in front of the gas station east of town (-15.419057, -39.487571). This is also where Lukas picked us up and where, next to the gas station, they serve amazing meat dishes and where there is a big bird poster too. For the famous Serra Bonita Lodge, we paid 1627.50 BRL in total for 2n/3d (two rooms) and another 200 BRL all-in for our extra day that we booked on the spot as we were ahead of schedule. Food is decent, especially the lunches. Vitor, the owner, is a nice guy always willing to help you out, and his English is very good. Rooms are good and offer amazing views of the forest with Green-backed Trogon from your balcony. Views are even better from the dining area and the porch with feeders (see below).

Birding

If you have some time to spare, it is worth to bird on your way up to Serra Bonita. Most birding is done around the small 'gated' **Fazenda Santa Antonia** (Santa Antonio Farm). This area is conveniently located along the BA-662 (dirt road) and a forest trail starts right here: -15.408216, -39.534948. We parked a little further on the right. In the forest, one can find Yellow-fronted Woodpecker, Buff-bellied Puffbird, Blond-crested Woodpecker, Kinglet Manakin and more. We only saw the first two, but had nice views of Black-necked Aracari and Crested Oropendula here too. Out in the open, look for White-eared Parakeet, though we did only record Peach-fronted and Golden-capped here. However, we luckily found White-eared Parakeet while looking for the Great Potoo in the garden of Fazenda Paris. To get here, drive 1.8 km back in the direction of Camacan and make a right turn here: -15.421413, -39.533351. From here, after almost 800 m, there is a track to the right. Shortly after, you'll reach Fazenda Paris. The potoo has been seen roosting on low wooden poles along the entrance road, but we could not find it. We found the parakeets (2) in the trees behind the houses. This is also the new spot for Banded Cotinga, up to 5(!) where seen here back in late 2018.

Birding the **Serra Bonita Reserve** is rather straightforward. Broadly speaking, there are only 3 birding spots to focus on: [1] the entrance road (between the turn-off to the 'antenna' road and the rooms), [2] the road between the rooms and the actual lodge / dining area and [3] the 'antenna' road (mostly for raptors). In case you can't find the undescribed treehunter or Bahia Tyrannulet, try the Bapeda trail. One target, Pink-legged Graveteiro, can best be found near a small wooden house on the right in a sharp right bend along the entrance road – but quite far from the lodge, before one enters the actual forest (-15.383728, -39.564722). Lucas also knows where to stop for this bird. A year later I also saw Buff-throated Purpletuft here. We found many targets along the short stretch of road between the rooms and the lodge itself. Sharpbill, Bahia Tyrannulet and Rufous-brown Solitaire are all here. This was also where we saw a beautiful male Chestnut-bellied Euphonia (also found twice along the entrance road) and two of us had a fantastic encounter with a Variegated Antpitta here. The bird is extremely shy and your best bet might be lying down on the flat rock (no GPS, near the bend before Vitor's house) and trying to tape it in from them... or to visit Intervalles in SE-Brazil where they feed them of course. Anyways, it's good birding; also the last stretch between the lodge and Vitor's house. We saw Kinglet Manakin, Yellow-throated Woodpecker and Bahia Tyrannulet here.

From the rooms, one can also walk downhill and then up again to the antenna on top of the hill. Along the entrance road, we found Buff-throated Purpletuft right where Gordijn saw it two years earlier. A pair still seems to be present around the house on the right, not far from the rooms (-15.389557, -39.564112). At the time we were there, the house was empty and we sneaked onto the balcony, although it is a bit tricky to get onto. From here, we had great views of a nice pair. Rough-legged Tyrannulet was also present here. Just a little further down the road we found 2 Plumbeous

Antvireos, and much further down, a Salvadori's Antwren in a fast-moving understory flock (-15.385202, -39.568025). Kinglet Manakins are regular here. At the turn-off to the antennas Star-throated Antwren can be seen near the streams (-15.384547, -39.569647), but we did not find it. I did see one fine male between the guest lodge and Vitor's house in December 2018.

On one afternoon we walked up all the way to the antennas on top of the hill. Once there, make sure you go left before the white walls bordering the main buildings. From here, it's easy to reach the antennas from where you'll have a great view over the surroundings to scan for raptors. We soon saw a Mantled Hawk flying over and a pair of Black-and-white Hawk-Eagle's gave a great show! On your way out, try for the purpletuft and the tyrannulet 100-200 below the exotic pines. A little further, in the first bend to the left, we found 3 Pale-browed Treehunters (a species that is missed by many).

On our last morning we walked the Bapeda trail, as advised by Ciro to look for the treehunter and more. This trail starts halfway between the turn-off to the lodge and Vitor's house (-15.392686, -39.565744). On the trail, keep left at the first and only turn-off (near a huge rock) and continue following the trail until you reach the flat part on top of the hill, starting here: -15.393111, -39.569111. This is where we soon located two 'Serra Las Lontras' Treehunters and another two Bahia Tyrannulets.

Veracel & Porto Seguro

The lowland Atlantic forest of Veracel holds several endemics which are unlikely to be seen elsewhere on this itinerary. These include Red-browed Amazon, Band-tailed Antwren, Bahia Antwren, Hook-billed Hermit, White-winged Potoo and Banded Cotinga. White-winged Cotinga can now also be seen in extreme NE-Brazil, though it's fairly common here. Except for Bahia Antwren and the potoo, these species are all endemics of SE-Brazil that reach their northern limits here, while Band-tailed Antwren can also be seen in Agua Boa (see below). In Porto Seguro, all three mangrove specialties can be seen: Bicolored Conebill, White-bellied Emerald and Little Wood-Rail.

Target list

Only here or best spot	One of best spots - I	One of best spots - II
Red-browed Amazon	Banded Cotinga	Eared Pygmy-Tyrant
Bahia Antwren	Ochre-marked Parakeet	
White-winged Cotinga	Plain Parakeet	
Hook-billed Hermit	Sooretama Slaty Antshrike	Good spot, not best
Band-tailed Antwren	Kinglet Manakin	Golden-tailed Parrotlet
Tawny-browed Owl	Solitary Tinamou	Black-capped Screech Owl
Rufous-capped Motmot	Rusty-margined Guan	White-wedged Piculet
White-winged Potoo	White-eyed Foliage Gleaner	Silvery-flanked Antwren
	Blond-crested Woodpecker	Variegated Antpitta
	Bare-throated Bellbird	White-necked Hawk
Non-targets only / best here: Blue-headed Parrot, Wedge-billed Woodcreeper, Ringed Woodpecker, Great Potoo, Variegated Tinamou, Rufous-throated Sapphire, White-lored Tyrannulet, Plumbeous Kite, Harpy		

Red = country-endemic, black = range-restricted, grey = good, but difficult

Logistics / accommodation

Coming from Serra Bonita, it takes around 3,5 hours to reach Porto Seguro. As we passed the reserve on our way there, we started in the area by spending the last hour of daylight looking for the cotinga.

From Porto Seguro, it's about 20-25 minutes (6.8 km) to the clearing for the cotinga. Please note that Porto Seguro is a buzzing town and all hotels are fully booked during weekends: if you stay in the weekend, make sure you book ahead of your stay. Having said this, I think we all enjoyed the good food, fine hotels and nice ocean views during the last days of our holiday.

In Porto Seguro, we slept one night in the Green Port Hotel (100 BRL pppn/2 rooms) and two more nights in the Malibu Hotel across the street (400 BRL for 1 room). Both hotels are just fine and have a small swimming pool. Skipped breakfast on all days. Next to the Green Port Hotel they serve excellent tapiocas and juices.

Birding

Birding the Veracel Reserve is straightforward: there is basically one sandy track running through the reserve and most of the birding is done from the road. At the time of writing, the main target here was obviously Banded Cotinga, but this enigmatic species can now also be seen in Serra Bonita. Band-tailed Antwren and Hook-billed Hermit can be found along the more forested parts before and after the clearing. We found Band-tailed Antwren just before (-16.360715, -39.138886) and Hook-billed Hermit past the clearing (-16.356389, -39.120370). As described by Gordijn, both Sooretama Slaty Antshrike and Bahia Antwren are commonly found here once you learn their songs. When walking along the sandy track in the open, Red-browed Amazons regularly fly-by. Ochre-marked Parakeets can be missed, but we found three groups in two days. Both the amazons and the parakeets have distinct calls! Also look for the distinct ssp. of Turquoise Tanager (White-bellied tanager) and Opal-rumped Tanager (Silver-breasted Tanager).

The best place to scan for the cotinga is right where you park the car at -16.359042, -39.136833. The best view to scan is left of the marshy area found here. There is a small trail going to the left (car in the back) and this will lead you to a more elevated stretch left of the pond – all this is just 50m or so from the car. From here, you have a good view over the area. Around the marsh we had great views of some hummers including both Rufous-throated and White-chinned Sapphire (nice for comparison), Violet-capped Woodnymph, Plain-bellied Emerald and Reddish Hermit. Also look for Black-bellied Thorntail here in the scrub. By scanning, we found several White-winged Cotinga here and only, after a total of 20 hours of searching, a very distant and hardly satisfying Banded Cotinga for only two of us. We spent a total of 3 mornings and 3 afternoons here, but Banded Cotinga is in no way guaranteed and a lucky shot! I guess it's easier now in Serra Bonita.

Another important target here is White-winged Potoo, so we spent two evenings here to look for it. Despite some exact GPS-coordinates and much taping, we had zero response. Actually both night sessions weren't that successful at all, as we only heard a distant Tawny-browed Owl, Tropical Screech Owl and some Black-capped Screech Owls. Common Potoo is easy and we had great views of several individuals in the clearing.

In Porto Seguro, make sure to pay a visit to the mangrove south of town. The mangrove near the coast does seem to be much younger than that more inland. We birded here twice adding several species to our trip list, like Mangrove Rail (easy), Yellow-crowned Night-Heron and Little Blue Heron. The three main 'targets' here are Bicolored Conebill, Plain-bellied Emerald and – especially – Little Wood-Rail. While the conebill is rather easy, both the emerald and the wood-rail were only seen by one of us. For the Little Wood-Rail I believe the older part might be better, though *Ciro* also saw it in front of the hotel Estalagem in the younger part (-16.447989, -39.067939). *Sjoerd* saw one from the main road more inland. This is however not the safest part of town we felt and we, later on, saw police men pointing guns at some gangster-like teenagers while driving by after birding here.

Agua Boa

The privately owned reserve of Agua Boa is mainly just visited for one species: Bahia Tapaculo. The other place one can find this species is Michelin reserve – yes, the car tyre company owns an ecological reserve within its rubber plantations. For details, see the trip reports by Matheve and Gordijn. Both the Michelin reserve and Agua Boa also hold Margareta's Hermit - a likely future split from Great-billed Hermit. Furthermore, you can catch up with lowland Atlantic forest species like Band-tailed Antwren, Kinglet Manakin (common), Black-cheeked Gnateater and so on.

Target list

Only here or best spot	One of best spots	One of best spots
Bahia Tapaculo	Scaled Antbird	Dubois's Seedeater
Great-billed Hermit (ssp.)	Kinglet Manakin	Eared Pygmy Tyrant
	Brazilian Tanager	Green-headed Tanager
		Smoky-fronted Tody-Flycatcher
Non-targets only / best here: White-fronted Nunbird		

Red = country-endemic, black = range-restricted, grey = good, but difficult

Logistics / accommodation

From Porto Seguro to Agua Boa is a trip of about 5 hours. The last 16 km is a dirt road with many potholes. The turn-off for the guest house is a small overgrown track of about 300m on the left hand, the accommodation is found here -14.2593, -39.1809. To make a reservation, please contact Herbert Ness (+55 73 9972-8307). Make sure to do this, as you can't just show up there. Staying here isn't cheap as we paid 250 BRL per person, but this does include the accommodation itself as well as dinner, breakfast and all non-alcoholic drinks. Dinner includes chicken, crabs and fish; breakfast includes ham, cheese, eggs etc.

Birding

The main target here is Bahia Tapaculo and it is found along the only trail that goes into the forest behind the lodge. After 100 m, keep right and continue until you find a small stream with dense undergrowth (-14.2513, -39.1829). This is where we found the tapaculo on both days. Please note that although the first part of the trail is good, soon after the fork, the trail becomes narrower and a bit overgrown. After the stream, the trail soon vanishes. This is where we heard Bare-throated Bellbirds. We did not see much else except a fine male White-crowned Manakin and Black-cheeked Gnatcatcher. Around the lodge we found Brazilian Tanager, White-lored Tyrannulet and Kinglet Manakin – the latter being common inside the forest as well.

Trip list

In the end, we ended up seeing 504 species (IOC) in little over 29 full days. Originally we intended to bird 30 full days, but we lost one full day due to the (first of season!) heavy snowfall back in Europe. Anyways, of these 504 species, 111 are **endemic** and another 61 **range-restricted**. The latter usually means here they occur in SE Brazil, but also occur in eastern Paraguay, and (extreme) northeastern Argentina. A few examples of these near-endemics are East Brazilian Pygmy Owl, Tufted Antshrike and Blue Manakin. Only sometimes I put 'range restricted' as they have a more patchy and/or local distribution. Examples include White-bellied Nothura, Grey Pileated Finch or Black-goggled Tanager. Of these 504 species, 16 were heard-only. In the list below, these are indicated by 'HO' behind the scientific name. Subspecies and IUCN-status were automatically generated by iGoTerra.

For most species, the locations are specified per observation, but for some usually more widespread and common species – maybe with the exception of Burnished-buff Tanager – I just put a hyphen (-). If seen and heard on the very same day, I have put – for example – '2 + 1 heard Santa Antonio Farm' which means we did see 3 and heard 1. The names of the locations in the list below correspond with the ones used here as well.

The list below is an export of all Sjoerds observations on iGoTerra. These do not include species solely seen by Pieter, Jelmer or Lars. All the observations can best be accessed via Observado.org, via "This site" > "Users" > "Lars Buckx" (undo 'only for this site') > "set dates and country" > "OK".

- 1 **Little Tinamou** *Crypturellus soui / albigularis* – HO
1 heard Boa Nova - wet forest 12-29, 1 heard Santa Antonio Farm 01-02, 1 heard Agua Boa 01-08, 1 heard Agua Boa 01-09
- 2 **Brown Tinamou** *Crypturellus obsoletus obsoletus* – HO
1 heard Serra Bonita 01-04, 1 heard Veracel 01-05, 1 heard Veracel 01-07, 1 heard Agua Boa 01-09,
- 3 **Yellow-legged Tinamou** *Crypturellus noctivagus zabele* – HO / (NT) **Endemic**
5 heard Lencois - Forest NE 12-24
- 4 **Variiegated Tinamou** *Crypturellus variegatus* – HO
1 heard Veracel 01-05, 2 heard Veracel 01-06, 2 heard Veracel 01-07
- 5 **Small-billed Tinamou** *Crypturellus parvirostris* – HO
2 heard Mucugé 12-26
- 6 **Red-winged Tinamou** *Rhynchotus rufescens catingae*
1 Murici 12-20, 1 heard Chapada Diamantina - Rd 242 / Rio São José area 12-25, 1 heard Mucugé 12-26
- 7 **White-bellied Nothura** *Nothura boraquira* **Range-restricted**
3 Potengi - Sitio Pau Preto 12-16
- 8 **Rusty-margined Guan** *Penelope superciliaris jacupemba* **Range-restricted**
1 heard Serra Bonita 01-03, 1 Veracel 01-06, 1 Veracel 01-08

- 9 **White-browed Guan** *Penelope jacucaca* (VU) **Endemic**
14 Hotel Pedra dos Ventos 12-15
- 10 **White-faced Whistling Duck** *Dendrocygna viduata*
1 Potengi - Sitio Pau Preto 12-16, 20 En route 12-17, 19 En route 12-24
- 11 **Black-bellied Whistling Duck** *Dendrocygna autumnalis autumnalis*
10 Bom Jesus da Lapa 12-27
- 12 **Comb Duck** *Sarkidiornis sylvicola*
9 En route 12-24
- 13 **Brazilian Teal** *Amazonetta brasiliensis brasiliensis*
5 Sobral 12-13, 20 Potengi - Sitio Pau Preto 12-16, 7 Potengi - Sitio Pau Preto 12-16, 10 En route 12-17, 1 Frei Caneca 12-21, 1 Bom Jesus da Lapa 12-27
- 14 **White-cheeked Pintail** *Anas bahamensis bahamensis*
3 São Paulo airport 12-11, 17 En route 12-24
- 15 **Southern Pochard** *Netta erythrophthalma erythrophthalma*
3 Sobral 12-13
- 16 **Long-tailed Potoo** *Nyctibius aethereus aethereus*
1 Serra Bonita 01-02, 1 Serra Bonita 01-04
- 17 **Common Potoo** *Nyctibius griseus griseus*
1 heard Meruoca - Sitio Floresta 12-12, 2 Veracel 01-07
- 18 **Least Nighthawk** *Chordeiles pusillus pusillus*
5 Potengi - Sitio Pau Preto 12-16, 6 Mucugé 12-26
- 19 **Short-tailed Nighthawk** *Lurocalis semitorquatus nattererii*
1 Serra Bonita 01-02
- 20 **Plain-tailed Nighthawk** *Nyctiprogne vielliardi* **Endemic**
5 Bom Jesus da Lapa 12-27
- 21 **Pygmy Nightjar** *Nyctipolus hirundinaceus cearae* **Endemic**
1 Lake S of Meruoca 12-12, 2 Lake S of Meruoca 12-13, 2 Hotel Pedra dos Ventos 12-15
- 22 **Pauraque** *Nyctidromus albicollis albicollis*
1 heard Meruoca - Sitio Floresta 12-12, 1 Guaramiranga - Hotel Remanso 12-14, 2 Boa Nova - wet forest 12-28, 1 Boa Nova - wet forest 12-30, 1 Veracel 01-05, 8 Veracel 01-06, 1 Veracel 01-07
- 23 **Little Nightjar** *Setopagis parvula*
1 Chapada do Araripe 12-16, 3 heard Chapada do Araripe 12-16, 2 União dos Palmares - Quilombo Hotel 12-20, 2 União dos Palmares - Quilombo Hotel 12-22
- 24 **Scissor-tailed Nightjar** *Hydropsalis torquata torquata*
2 Chapada do Araripe 12-16, 1 Canudos Biological Station 12-18
- 25 **Rufous Nightjar** *Antrostomus rufus rutilus*
1 Chapada do Araripe 12-16, 1 heard Bom Jesus da Lapa 12-27

- 26 **Biscutate Swift** *Streptoprocne biscutata* [Range-restricted](#)
45 Chapada Diamantina - Morro do Pai Inacio 12-25, 200 dirt road Palmeiras - Mucugé 12-25
- 27 **Grey-rumped Swift** *Chaetura cinereiventris cinereiventris*
1 Serra Bonita 01-03
- 28 **Sick's Swift** *Chaetura meridionalis*
2 Guaramiranga 12-15, 3 En route 12-15, 2 En route 12-16, 2 Potengi - Sitio Nascente 12-16, 2 Trapiche 12-22
- 29 **Neotropical Palm Swift** *Tachornis squamata squamata*
2 Meruoca - Sitio Floresta 12-12, 5 Sobral 12-13, 1 En route 12-13, 5 Baturité 12-15
- 30 **Lesser Swallow-tailed Swift** *Panyptila cayennensis*
2 Frei Caneca 12-21, 2 Trapiche 12-23
- 31 **Black Jacobin** *Florisuga fusca* [Range-restricted](#)
1 Boa Nova - wet forest 01-01, 3 Serra Bonita 01-02, 1 Serra Bonita 01-05
- 32 **Hook-billed Hermit** *Glaucis dohrnii* (EN) **Endemic**
1 Veracel 01-07
- 33 **Rufous-breasted Hermit** *Glaucis hirsutus hirsutus*
2 Guaramiranga 12-14, 1 Guaramiranga 12-14, 2 Guaramiranga 12-14, 2 Frei Caneca 12-21, 1 Santa Antonio Farm 01-02
- 34 **Broad-tipped Hermit** *Anopetia gounellei* **Endemic**
1 Canudos - caatinga S of town 12-17, 1 Jeremoabo 12-19
- 35 **Reddish Hermit** *Phaethornis ruber ruber*:
1 Guaramiranga 12-15, 1 Arajara Water Park 12-17, 1 Murici 12-20, 1 Frei Caneca 12-21, 1 Serra Bonita 01-04, 1 Serra Bonita 01-05, 1 Veracel 01-06, 1 Veracel 01-07, 1 Agua Boa 01-09
- 36 **Planalto Hermit** *Phaethornis pretrei*
1 Guaramiranga - Hotel Remanso da Serra 12-14, 3 Arajara Water Park 12-17, 1 Jeremoabo 12-19
- 37 **Scale-throated Hermit** *Phaethornis eurynome eurynome*
1 Boa Nova - wet forest 12-29, 1 Boa Nova - wet forest 01-01, 1 Serra Bonita 01-04, 2 Serra Bonita 01-05
- 38 **Hooded Visorbearer** *Augastes lumachella* (NT) **Endemic**
3 + 1 heard Chapada Diamantina - Morro do Pai Inacio 12-25
- 39 **White-vented Violetear** *Colibri serrirostris*
1 Mucugê 12-26, 1 Mucugé 12-27
- 40 **Horned Sungem** *Heliactin bilophus* [Range-restricted](#)
2 Guiné 12-27
- 41 **Black-eared Fairy** *Heliathyx auritus auriculatus*:
2 Frei Caneca 12-21, 1 P'edro D'anta 12-22

- 42 **Ruby-topaz Hummingbird** *Chrysolampis mosquitus*
2 P'edro D'anta 12-22, 1 Mucugê 12-26, 7 Lajedo 12-30
- 43 **Black-throated Mango** *Anthracothorax nigricollis*
1 Guaramiranga 12-14, 3 Guaramiranga 12-14, 1 Guaramiranga 12-15, 2 União dos
Palmares - Quilombo Hotel 12-19, 1 P'edro D'anta 12-22, 1 Lajedo Rocky Outcrop 12-29, 1
Timorante Forest 12-31, 1 Veracel 01-06
- 44 **Racket-tailed Coquette** *Discosura longicaudus*
1 Veracel 01-06
- 45 **Frilled Coquette** *Lophornis magnificus* **Endemic**
1 P'edro D'anta 12-22, 2 Nova Canaa 12-30, 1 Nova Canaa 12-30, 1 Serra Bonita 01-03
- 46 **Brazilian Ruby** *Clytolaema rubricauda* **Endemic**
1 Boa Nova - wet forest 01-01, 1 Serra Bonita 01-03
- 47 **Stripe-breasted Starthroat** *Heliomaster squamosus*
1 Jeremoabo 12-19
- 48 **Amethyst Woodstar** *Calliphlox amethystina*
1 Mucugê 12-27, 1 Caetitê 12-28, 1 Serra Bonita 01-02, 1 Serra Bonita 01-03, 1 Serra
Bonita 01-03
- 49 **Glittering-bellied Emerald** *Chlorostilbon lucidus pucherani*
1 Sobral 12-13, 1 Guaramiranga 12-15, 1 Quixada 12-15, 2 Potengi - Sitio Pau Preto 12-16,
3 Canudos - caatinga S of town 12-17, 2 Canudos Biological Station 12-18, 2 Jeremoabo 12-
19, 1 Chapada Diamantina - Rd 242 / Rio São José area 12-25, 1 Palmeiras 12-25, 1
Chapada Diamantina - Morro do Pai Inacio 12-26, 2 Mucugê 12-26, 1 Lajedo Rocky
Outcrop 12-29, 1 Lajedo 12-30
- 50 **Fork-tailed Woodnymph** *Thalurania furcate baeri*:
1 Lake S of Meruoca 12-12, 2 Guaramiranga 12-14, 5 Guaramiranga 12-15
- 51 **Long-tailed Woodnymph** *Thalurania watertonii* (EN) **Endemic**
1 União dos Palmares - Quilombo Hotel 12-19, 2 Murici 12-20, 1 P'edro D'anta 12-22
- 52 **Violet-capped Woodnymph** *Thalurania glaucopis* **Range-restricted**
1 Chapada Diamantina - Rd 242 / Rio São José area 12-25, 1 Palmeiras 12-25, 1 Boa Nova -
wet forest 12-29, 1 Nova Canaa 12-30, 2 Serra Bonita 01-02, 1 Serra Bonita 01-03, 1 Serra
Bonita 01-05, 1 Veracel 01-07, 1 Agua Boa 01-09
- 53 **Swallow-tailed Hummingbird** *Eupetomena macroura simoni*
1 Lake S of Meruoca 12-12, 1 N of Meruoca city 12-12, 1 Sobral 12-13, 1 Lake S of Meruoca
12-13, 5 Guaramiranga 12-14, 1 Potengi - Sitio Nascente 12-16, 2 Canudos - caatinga S of
town 12-17, 2 Jeremoabo 12-19, 2 P'edro D'anta 12-22, 1 Mucugê 12-27, 8 Lajedo 12-30, 1
Serra Bonita 01-03
- 54 **Sombre Hummingbird** *Eupetomena cirrochloris* **Endemic**
3 Frei Caneca 12-21, 1 P'edro D'anta 12-22, 1 Lajedo Rocky Outcrop 12-29, 2 Nova Canaa
12-30, 1 Boa Nova - wet forest 12-31, 3 Serra Bonita 01-02, 1 Serra Bonita 01-03, 1 Serra
Bonita 01-04

- 55 **Versicolored Emerald** *Chrysuronia versicolor nitidifrons / versicolor*
1 Guaramiranga 12-15, 1 Boa Nova - wet forest 01-01
- 56 **Plain-bellied Emerald** *Chrysuronia leucogaster bahiae*
1 Veracel 01-08
- 57 **Glittering-throated Emerald** *Chionomesa fimbriata nigricauda*
1 Meruoca - Sitio Bonfin 12-12, 1 Meruoca - Sitio Floresta 12-13, 1 Guaramiranga 12-13, 1 Guaramiranga 12-14, 1 Guaramiranga 12-15, 1 Potengi - Sitio Nascente 12-16
- 58 **Sapphire-spangled Emerald** *Chionomesa lactea lactea*
1 Lajedo 12-30
- 59 **Rufous-throated Sapphire** *Hylocharis sapphirina*
1 Frei Caneca 12-21, 1 Serra Bonita 01-02, 3 Veracel 01-06, 1 Veracel 01-07
- 60 **White-chinned Sapphire** *Chlorestes cyanus conversa / cyanus*
1 P'edro D'anta 12-22, 1 Boa Nova - wet forest 01-01, 1 Serra Bonita 01-02, 1 Serra Bonita 01-03, 1 Veracel 01-05, 3 Veracel 01-06, 1 Veracel 01-06, 1 Veracel 01-06, 1 Veracel 01-06, 1 Veracel 01-06
- 61 **Blue-chinned Sapphire** *Chlorestes notata notata*
1 Guaramiranga 12-14, 1 Guaramiranga 12-14, 1 Guaramiranga 12-15, 1 Boa Nova - wet forest 01-01
- 62 **Guira Cuckoo** *Guira guira*
1 São Paulo airport 12-11, 1 Sobral 12-12, 10 União dos Palmares - Quilombo Hotel 12-21, 12 P'edro D'anta 12-22, 2 Trapiche 12-22, 8 Trapiche 12-23, 1 Bom Jesus da Lapa 12-27, 5 Nova Canaa 12-30
- 63 **Greater Ani** *Crotophaga major*
3 Bom Jesus da Lapa 12-27
- 64 **Smooth-billed Ani** *Crotophaga ani*
5 São Paulo airport 12-11, 10 União dos Palmares - Quilombo Hotel 12-19
- 65 **Striped Cuckoo** *Tapera naevia* – HO
1 heard Nova Canaa 12-30
- 66 **Squirrel Cuckoo** *Piaya cayana pallescens*
3 Guaramiranga 12-14, 1 Canudos - Jeremoabo (BR-235) 12-18, 2 União dos Palmares - Quilombo Hotel 12-19, 1 Nova Canaa 12-30, 1 Timorante Forest 12-31, 1 Santa Antonio Farm 01-02, 1 Serra Bonita 01-04, 1 Veracel 01-06, 1 Veracel 01-07
- 67 **Dark-billed Cuckoo** *Coccyzus melacoryphus*
4 Bom Jesus da Lapa 12-27
- 68 **Pearly-breasted Cuckoo** *Coccyzus euleri*
1 Murici 12-20
- 69 **Scaled Pigeon** *Patagioenas speciosa*
1 heard Serra do Arrepio 12-30, 1 heard Santa Antonio Farm 01-02, 1 Veracel 01-06, 2 Veracel 01-08, 1 heard Agua Boa 01-09

- 70 **Picazuro Pigeon** *Patagioenas picazuro marginalis*
8 Potengi - Sitio Pau Preto 12-16, 3 Canudos - caatinga S of town 12-17, 2 Mucugé 12-26,
11 Caetité 12-28
- 71 **Pale-vented Pigeon** *Patagioenas cayennensis sylvestris*
4 Chapada Diamantina - Morro do Pai Inacio 12-26
- 72 **Plumbeous Pigeon** *Patagioenas plumbea baeri*
1 Trapiche 12-22, 1 Boa Nova - wet forest 01-01, 3 heard Serra Bonita 01-03
- 73 **Scaled Dove** *Columbina squammata squammata*
1 Canudos - Jeremoabo (BR-235) 12-18, 1 Caetité 12-28, 4 Porto Seguro 01-07
- 74 **Plain-breasted Ground Dove** *Columbina minuta minuta*
1 São Paulo airport 12-11, 1 Frei Caneca 12-21
- 75 **Ruddy Ground Dove** *Columbina talpacoti talpacoti*
6 Meruoca - Sitio Floresta 12-12, 1 Guaramiranga - Hotel Remanso 12-15, 5 Guaramiranga
12-15, 7 União dos Palmares - Quilombo Hotel 12-19, 1 Mucugé 12-27, 1 Boa Nova - wet
forest 12-28, 1 Porto Seguro 01-06
- 76 **Picui Ground Dove** *Columbina picui strepitans*
1 N of Meruoca city 12-12, 4 Sobral 12-13, 1 Potengi - Sitio Pau Preto 12-16
- 77 **Blue Ground Dove** *Claravis pretiosa*
1 Lajedo 12-30, 1 Veracel 01-06, 1 Veracel 01-08
- 78 **Ruddy Quail-Dove** *Geotrygon montana montana*
1 heard Palmeiras 12-25, 1 heard Serra Bonita 01-03, 1 + 1 heard Serra Bonita 01-04
- 79 **White-tipped Dove** *Leptotila verreauxi approximans*
1 Meruoca - Sitio Bonfin 12-12, 1 Potengi - Sitio Pau Preto 12-16
- 80 **Grey-fronted Dove** *Leptotila rufaxilla bahiae*
1 Serra Bonita 01-02, 2 Serra Bonita 01-04
- 81 **Eared Dove** *Zenaida auriculata noronha*
1 São Paulo airport 12-11, 1 Jeremoabo 12-19, 1 União dos Palmares - Quilombo Hotel 12-
19, 1 dirt road Palmeiras - Mucugé 12-26
- 82 **Blackish Rail** *Pardirallus nigricans nigricans* – HO
2 heard Banhados Pocos 12-31
- 83 **Uniform Crake** *Amaurolimnas concolor castaneus* – HO
1 heard Boa Nova - wet forest 12-28
- 84 **Little Wood Rail** *Aramides mangle* **Endemic**
1 Porto Seguro 01-07
- 85 **Grey-cowled Wood Rail** *Aramides cajaneus avicenniae*
2 Guaramiranga 12-15
- 86 **Mangrove Rail** *Rallus longirostris crassirostris*
3 Porto Seguro 01-06, 1 Porto Seguro 01-07

- 87 **Purple Gallinule** *Porphyrio martinica*
1 Guaramiranga 12-14
[Russet-crowned Crake *Rufirallus viridis viridis*]
1 Veracel 01-07
- 88 **Rufous-sided Crake** *Laterallus melanophaius melanophaius*
2 Guaramiranga 12-15
- 89 **Limpkin** *Aramus guarauna guarauna*
1 En route 12-23
- 90 **Least Grebe** *Tachybaptus dominicus brachyrhynchus*
10 Sobral 12-12, 1 Sobral 12-13, 9 Potengi - Sitio Pau Preto 12-16
- 91 **Pied-billed Grebe** *Podilymbus podiceps antarcticus*
5 Sobral 12-13, 1 En route 12-24
- 92 **Black-necked Stilt** *Himantopus mexicanus mexicanus*
70 Sobral 12-13
- 93 **Southern Lapwing** *Vanellus chilensis lampronotus*:
12 São Paulo airport 12-11, 4 Sobral 12-12, 25 En route 12-17, 1 União dos Palmares -
Quilombo Hotel 12-19, 3 Frei Caneca 12-21, 2 Mucugé 12-27
- 94 **Semipalmated Plover** *Charadrius semipalmatus*
1 Porto Seguro 01-06, 1 Porto Seguro 01-07
- 95 **Pied Plover** *Hoploxypterus cayanus*
2 Sobral 12-13, 6 Potengi - Sitio Pau Preto 12-16
- 96 **Wattled Jacana** *Jacana jacana jacana*
30 Sobral 12-12, 1 En route 01-09
- 97 **Giant Snipe** *Gallinago undulata gigantea*
2 + 2 heard Banhados Pocos 12-31
- 98 **Spotted Sandpiper** *Actitis macularius*
1 En route 01-09
- 99 **Solitary Sandpiper** *Tringa solitaria*
1 Meruoca - Sitio Bonfin 12-12
- 100 **Lesser Yellowlegs** *Tringa flavipes*
5 Sobral 12-13
- 101 **Willet** *Tringa semipalmata*
1 En route 01-09
- 102 **Neotropic Cormorant** *Phalacrocorax brasilianus brasilianus*
40 São Paulo airport 12-11, 16 Sobral 12-12, 1 Bom Jesus da Lapa 12-27
- 103 **Rufescent Tiger Heron** *Tigrisoma lineatum marmoratum*
1 Potengi - Sitio Pau Preto 12-16

- 104 **Black-crowned Night Heron** *Nycticorax nycticorax hoactli*
2 Bom Jesus da Lapa 12-27
- 105 **Yellow-crowned Night Heron** *Nyctanassa violacea cayennensis*
4 Porto Seguro 01-06
- 106 **Striated Heron** *Butorides striata striata*
5 Sobral 12-12, 1 Bom Jesus da Lapa 12-27, 1 Santa Antonio Farm 01-02, 1 En route 01-09
- 107 **Western Cattle Egret** *Bubulcus ibis*
15 Sobral 12-12, 2 Porto Seguro 01-07
- 108 **Cocoi Heron** *Ardea cocoi*
1 São Paulo airport 12-11
- 109 **Great Egret** *Ardea alba egretta*
10 São Paulo airport 12-11
- 110 **Little Blue Heron** *Egretta caerulea*
2 Porto Seguro 01-06, 1 Porto Seguro 01-07
- 111 **Snowy Egret** *Egretta thula thula*
1 São Paulo airport 12-11, 2 Sobral 12-12, 40 En route 12-17, 2 Porto Seguro 01-06, 1 Porto Seguro 01-07
- 112 **King Vulture** *Sarcoramphus papa*
1 Canudos Biological Station 12-18, 1 Serra Bonita 01-03, 1 Veracel 01-06, 1 Veracel 01-07
- 113 **Turkey Vulture** *Cathartes aura*
-
- 114 **Black Vulture** *Coragyps atratus*
-
- 115 **Lesser Yellow-headed Vulture** *Cathartes burrovianus urubutinga*
1 União dos Palmares - Quilombo Hotel 12-19, 1 En route 12-24, 1 Mucugé 12-26
- 116 **Grey-headed Kite** *Leptodon cayanensis monachus*
2 Serra do Arrepio 12-30
- 117 **White-collared Kite** *Leptodon forbesi* (EN) **Endemic**
1 Trapiche 12-23
- 118 **Black Hawk-Eagle** *Spizaetus tyrannus tyrannus*
1 Santa Antonio Farm 01-02
- 119 **Black-and-white Hawk-Eagle** *Spizaetus melanoleucus*
1 Serra Bonita 01-03
- 120 **Rufous-thighed Kite** *Harpagus diodon*
1 Veracel 01-08
- 121 **Plumbeous Kite** *Ictinia plumbea*
2 Serra do Arrepio 12-30, 1 Veracel 01-06

- 122 **Snail Kite** *Rostrhamus sociabilis sociabilis*
1 Sobral 12-12, 1 En route 12-13, 4 Ubaitaba 01-08
- 123 **Crane Hawk** *Geranospiza caerulescens gracilis*
1 Canudos Biological Station 12-18, 1 Lajedo Rocky Outcrop 12-29
- 124 **Rufous Crab Hawk** *Buteogallus aequinoctialis* (NT)
1 Barra de São Miguel 12-23
- 125 **Savanna Hawk** *Buteogallus meridionalis*
1 São Paulo airport 12-11, 1 En route 12-12, 1 Sobral 12-13, 1 En route 12-17
- 126 **Roadside Hawk** *Rupornis magnirostris nattereri*
-
- 127 **White-tailed Hawk** *Geranoaetus albicaudatus albicaudatus*
1 En route 01-08
- 128 **Black-chested Buzzard-Eagle** *Geranoaetus melanoleucus melanoleucus*
1 Hotel Pedra dos Ventos 12-15, 2 Canudos Biological Station 12-18, 1 Chapada Diamantina - Morro do Pai Inacio 12-25
- 129 **Mantled Hawk** *Pseudastur polionotus* (NT) [Range-restricted](#)
1 Timorante Forest 12-31, 1 Serra Bonita 01-03, 1 Serra Bonita 01-04
- 130 **Grey-lined Hawk** *Buteo nitidus*
1 Agua Boa 01-09
- 131 **Short-tailed Hawk** *Buteo brachyurus brachyurus*
2 Meruoca - Sitio Floresta 12-12, 1 Guaramiranga - Hotel Remanso 12-15, 1 União dos Palmares - Quilombo Hotel 12-19, 1 Boa Nova - wet forest 12-31
- 132 **Zone-tailed Hawk** *Buteo albonotatus*
1 Guaramiranga 12-14, 1 En route 12-15, 1 Trapiche 12-22, 1 Timorante Forest 12-31, 1 Veracel 01-06
- 133 **Tropical Screech Owl** *Megascops choliba decussatus* – HO
1 heard Meruoca - Sitio Floresta 12-12, 1 heard Guaramiranga - Hotel Remanso 12-14, 1 heard Boa Nova - wet forest 12-30, 1 heard Veracel 01-07
- 134 **Black-capped Screech Owl** *Megascops atricapilla* – HO / [Range-restricted](#)
3 heard Boa Nova - wet forest 12-30, 3 heard Veracel 01-07
- 135 **Tawny-browed Owl** *Pulsatrix koenigswaldiana* – HO / [Range-restricted](#)
1 heard Serra Bonita 01-04, 1 heard Veracel 01-06
- 136 **East Brazilian Pygmy Owl** *Glaucidium minutissimum* [Range-restricted](#)
1 + 1 heard Boa Nova - wet forest 01-01, 1 heard Santa Antonio Farm 01-02, 2 heard Serra Bonita 01-03, 1 + 2 heard Serra Bonita 01-04, 1 heard Veracel 01-07, 1 heard Agua Boa 01-09
- 137 **Burrowing Owl** *Athene cunicularia grallaria*
1 En route 12-13, 1 Canudos Biological Station 12-18, 3 En route 12-18, 1 Guiné 12-26

- 138 **Buff-fronted Owl** *Aegolius harrisii iheringi*
1 heard Meruoca - Sitio Floresta 12-12, 1 Guaramiranga - Hotel Remanso da Serra 12-14
- 139 **Green-backed Trogon** *Trogon viridis*
1 Crasto 12-24, 2 + 1 heard Santa Antonio Farm 01-02, 1 heard Serra Bonita 01-03, 2 Serra Bonita 01-04, 3 Serra Bonita 01-05, 1 Serra Bonita 01-05, 1 Veracel 01-06
- 140 **Blue-crowned Trogon** *Trogon curucui curucui*
1 Meruoca - Sitio Bonfin 12-12, 1 Meruoca - Sitio Bonfin 12-13, 1 Guaramiranga 12-14, 1 heard Potengi - Sitio Nascente 12-16
- 141 **Surucua Trogon** *Trogon surrucura aurantius* **Range-restricted**
1 Lencois - Forest NE 12-24, 1 Boa Nova - wet forest 12-29, 1 Boa Nova - wet forest 01-01, 2 + 1 heard Serra Bonita 01-04
- 142 **Black-throated Trogon** *Trogon rufus amazonicus*
1 heard Lajedo Rocky Outcrop 12-29, 1 Boa Nova - wet forest 01-01
- 143 **Amazon Kingfisher** *Chloroceryle amazona*
1 En route 12-22, 1 Trapiche 12-23
- 144 **Green Kingfisher** *Chloroceryle americana americana*
1 Santa Antonio Farm 01-02
- 145 **Ringed Kingfisher** *Megaceryle torquata torquata*
1 Guaramiranga 12-14, 1 P'edro D'anta 12-22
- 146 **Three-toed Jacamar** *Jacamaralcyon tridactyla* (VU) **Endemic**
1 Nova Canaa 12-30
- 147 **Rufous-tailed Jacamar** *Galbula ruficauda rufoviridis*
2 Guaramiranga 12-14, 1 Potengi - Sitio Pau Preto 12-16, 1 Canudos - Jeremoabo (BR-235) 12-18, 1 Trapiche 12-22, 1 Crasto 12-24, 1 Timorante Forest 12-31, 1 Santa Antonio Farm 01-02, 1 Veracel 01-05, 1 Veracel 01-07
- 148 **Buff-bellied Puffbird** *Notharchus swainsoni* **Range-restricted**
1 Serra Bonita 01-05
- 149 **White-eared Puffbird** *Nystalus chacuru chacuru*
1 Chapada Diamantina - Morro do Pai Inacio 12-25, 1 dirt road Palmeiras - Mucugé 12-25
- 150 **Caatinga Puffbird** *Nystalus maculatus* **Endemic**
1 Potengi - Sitio Pau Preto 12-16, 1 Potengi - Sitio Nascente 12-16
- 151 **Crescent-chested Puffbird** *Malacoptila striata striata* (NT) **Endemic**
3 Boa Nova - wet forest 12-29, 2 Timorante Forest 12-31, 3 Serra Bonita 01-03, 2 Serra Bonita 01-04
- 152 **Swallow-winged Puffbird** *Chelidoptera tenebrosa brasiliensis*
2 Serra Bonita 01-05, 1 Veracel 01-05, 15 Veracel 01-06
- 153 **Lettered Aracari** *Pteroglossus inscriptus inscriptus*
1 Trapiche 12-22

- 154 **Black-necked Aracari** *Pteroglossus aracari aracari*
3 Murici 12-20, 3 Trapiche 12-23, 2 Boa Nova - wet forest 12-31, 7 Santa Antonio Farm 01-02, 1 Veracel 01-07
- 155 **Gould's Toucanet** *Selenidera gouldii* **Range-restricted**
1 heard Guaramiranga 12-14, 1 Guaramiranga - Hotel Remanso 12-14, 1 heard Guaramiranga - Hotel Remanso 12-15
- 156 **Spot-billed Toucanet** *Selenidera maculirostris* **Range-restricted**
2 Santa Antonio Farm 01-02, 1 Serra Bonita 01-02, 1 heard Serra Bonita 01-05
- 157 **Channel-billed Toucan** *Ramphastos vitellinus ariel*
1 + 1 heard Boa Nova - wet forest 12-28, 1 Boa Nova - wet forest 01-01, 1 Veracel 01-07, 1 Agua Boa 01-09
- 158 **Toco Toucan** *Ramphastos toco*
1 Caetité 12-28
- 159 **Golden-spangled Piculet** *Picumnus exilis pernambucensis / exilis*
1 Murici 12-20, 1 Nova Canaa 12-30
- 160 **Spotted Piculet** *Picumnus pygmaeus* **Endemic**
1 Potengi - Sitio Nascente 12-16, 1 heard Chapada Diamantina - Rd 242 / Rio São José area 12-25, 1 Bom Jesus da Lapa 12-27, 1 Nova Canaa 12-30
- 161 **Ochraceous Piculet** *Picumnus limae* **Endemic**
1 Lake S of Meruoca 12-12, 1 heard N of Meruoca city 12-12, 1 Meruoca - Sitio Bonfin 12-12, 1 Meruoca - Sitio Floresta 12-12, 1 Meruoca - Sitio Bonfin 12-13, 1 Guaramiranga - Hotel Remanso 12-14, 1 Arajara Water Park 12-17, 1 União dos Palmares - Quilombo Hotel 12-19, 2 P'edro D'anta 12-22
- 162 **White Woodpecker** *Melanerpes candidus*
2 En route 01-05
- 163 **Little Woodpecker** *Veniliornis passerinus taenionotus*
1 Meruoca - Sitio Floresta 12-12, 1 Meruoca - Sitio Floresta 12-12, 1 Lake S of Meruoca 12-13, 2 Guaramiranga 12-13, 1 Guaramiranga 12-14, 1 Canudos - Jeremoabo (BR-235) 12-18, 1 Crasto 12-24
- 164 **Red-stained Woodpecker** *Veniliornis affinis affinis*
1 Murici 12-20
- 165 **Yellow-eared Woodpecker** *Veniliornis maculifrons* **Endemic**
2 Timorante Forest 12-31, 2 Boa Nova - wet forest 01-01, 1 Serra Bonita 01-03, 1 Serra Bonita 01-04, 1 Serra Bonita 01-05, 1 Veracel 01-07
- 166 **Yellow-throated Woodpecker** *Piculus flavigula erythropis*
2 Boa Nova - wet forest 01-01, 2 Serra Bonita 01-04
- 167 **Golden-green Woodpecker** *Piculus chrysochloros paraensis*
1 Canudos - Jeremoabo (BR-235) 12-18

- 168 **Green-barred Woodpecker** *Colaptes melanochloros nattereri*
1 Meruoca - Sitio Bonfin 12-13, 1 Potengi - Sitio Pau Preto 12-16, 2 P'edro D'anta 12-22, 1 Timorante Forest 12-31
- 169 **Campo Flicker** *Colaptes campestris campestris*
3 dirt road Palmeiras - Mucugé 12-25, 2 dirt road Palmeiras - Mucugé 12-27
- 170 **Blond-crested Woodpecker** *Celeus flavescens* **Range-restricted**
1 Santa Antonio Farm 01-02
- 171 **Ochre-backed Woodpecker** *Celeus ochraceus* **Endemic**
1 Meruoca - Sitio Bonfin 12-12, 1 Potengi - Sitio Nascente 12-16
- 172 **Ringed Woodpecker** *Celeus torquatus tinnunculus*
1 Veracel 01-07
- 173 **Lineated Woodpecker** *Dryocopus lineatus lineatus*
3 Meruoca - Sitio Bonfin 12-12, 1 heard Boa Nova - wet forest 12-28
- 174 **Red-legged Seriema** *Cariama cristata*
1 En route 12-17, 2 En route 12-18
- 175 **Southern Crested Caracara** *Caracara plancus*
2 São Paulo airport 12-11, 2 Sobral 12-12, 4 En route 12-13, 3 En route 12-15, 1 En route 12-17, 1 Serra Bonita 01-03
- 176 **Yellow-headed Caracara** *Milvago chimachima chimachima*
-
- 177 **Laughing Falcon** *Herpetotheres cachinnans cachinnans*
1 Meruoca - Sitio Bonfin 12-13, 1 En route 01-09
- 178 **Barred Forest Falcon** *Micrastur ruficollis*
1 Serra Bonita 01-03
- 179 **American Kestrel** *Falco sparverius cearae*
1 Canudos - Jeremoabo (BR-235) 12-18, 2 Caetité 12-28
- 180 **Aplomado Falcon** *Falco femoralis femoralis*
2 Canudos Biological Station 12-18, 1 En route 12-18, 1 Caetité 12-28, 2 Lajedo Rocky Outcrop 12-29
- 181 **Plain Parakeet** *Brotogeris tirica* **Endemic**
2 Frei Caneca 12-21
- 182 **Yellow-chevroned Parakeet** *Brotogeris chiriri chiriri*
3 Guaramiranga 12-14, 10 Guaramiranga - Hotel Remanso 12-14, 4 Guaramiranga 12-15
- 183 **Scaly-headed Parrot** *Pionus maximiliani maximiliani*
1 Caetité 12-28, 4 Serra do Arrepio 12-30, 2 Veracel 01-05, 3 Veracel 01-06
- 184 **Blue-headed Parrot** *Pionus menstruus reichenowi*
3 Trapiche 12-22, 1 Veracel 01-07

- 185 **Red-browed Amazon** *Amazona rhodocorytha* (VU) **Endemic**
2 heard Veracel 01-05, 4 Veracel 01-06, 5 Veracel 01-07, 2 Veracel 01-08
- 186 **Turquoise-fronted Amazon** *Amazona aestiva aestiva*
1 Canudos Biological Station 12-18, 2 Canudos - Jeremoabo (BR-235) 12-18
- 187 **Orange-winged Amazon** *Amazona amazonica*
2 Crasto 12-24
- 188 **Blue-winged Parrotlet** *Forpus xanthopterygius flavissimus / xanthopterygius*
1 Lake S of Meruoca 12-12, 10 Lake S of Meruoca 12-13, 3 Guaramiranga 12-14, 4 Potengi - Sitio Pau Preto 12-16, 1 Timorante Forest 12-31
- 189 **Ochre-marked Parakeet** *Pyrrhura cruentata* (VU) **Endemic**
7 Veracel 01-07, 3 heard Veracel 01-08
- 190 **Maroon-bellied Parakeet** *Pyrrhura frontalis frontalis* **Range-restricted**
6 Serra do Arrepio 12-30, 2 Serra Bonita 01-02, 4 Serra Bonita 01-03
- 191 **Grey-breasted Parakeet** *Pyrrhura griseipectus* (EN) **Endemic**
7 Guaramiranga 12-13, 5 Guaramiranga - Hotel Remanso 12-14, 20 Guaramiranga 12-15
- 192 **White-eared Parakeet** *Pyrrhura leucotis* (VU) **Endemic**
2 Santa Antonio Farm 01-02
- 193 **Lear's Macaw** *Anodorhynchus leari* (EN) **Endemic**
50 Canudos Biological Station 12-18, 7 Canudos - Jeremoabo (BR-235) 12-18, 1 Jeremoabo 12-19
- 194 **Peach-fronted Parakeet** *Eupsittula aurea*
400 Camacan 01-01, 6 Veracel 01-06, 2 Veracel 01-08
- 195 **Caatinga Parakeet** *Eupsittula cactorum caixana / cactorum* **Endemic**
2 En route 12-12, 42 (group of 30) En route 12-13, 3 Potengi - Sitio Nascente 12-16, 1 Bedengo (W of Canudos) 12-17, 2 Canudos - caatinga S of town 12-17, 1 Chapada Diamantina - Rd 242 / Rio São José area 12-25, 3 Guiné 12-26, 2 Mucugê 12-26, 2 Bom Jesus da Lapa 12-27, 40 Caetitê 12-2, 2 Lajedo Rocky Outcrop 12-29, 4 Lajedo 12-30, 12 Boa Nova 01-01
- 196 **Jandaya Parakeet** *Aratinga jandaya* **Endemic**
15 + 5 heard Frei Caneca 12-21
- 197 **Golden-capped Parakeet** *Aratinga auricapillus auricapillus* (NT) **Endemic**
10 En route 12-24, 8 Timorante Forest 12-31, 15 Santa Antonio Farm 01-05
- 198 **Blue-winged Macaw** *Primolius maracana* (NT) **Range-restricted**
3 Bedengo (W of Canudos) 12-17, 3 Boa Nova - wet forest 12-29
- 199 **Red-shouldered Macaw** *Diopsittaca nobilis cumanensis*
5 Murici 12-20, 24 Trapiche 12-22, 1 heard P'edro D'anta 12-22, 12 Trapiche 12-23
- 200 **Blue-crowned Parakeet** *Thectocercus acuticaudatus haemorrhous*
23 Canudos 12-17, 25 Canudos Biological Station 12-18

- 201 **Rufous-breasted Leaf-tosser** *Sclerurus scansor scansor* [Range-restricted](#)
1 Serra do Arrepio 12-30
- 202 **Olivaceous Woodcreeper** *Sittasomus griseicapillus reiseri*
1 Potengi - Sitio Nascente 12-16, 1 Frei Caneca 12-21
- 203 **Plain-winged Woodcreeper** *Dendrocincla turdina turdine* [Range-restricted](#)
2 Boa Nova - wet forest 12-29, 1 Serra Bonita 01-04
- 204 **Amazonian Barred Woodcreeper** *Dendrocolaptes certhia medius*
1 Murici 12-20
- 205 **Planalto Woodcreeper** *Dendrocolaptes platyrostris intermedius* [Range-restricted](#)
1 Meruoca - Sitio Bonfin 12-12, 1 Meruoca - Sitio Bonfin 12-13, 1 Guaramiranga - Hotel Remanso 12-14
- 206 **Moustached Woodcreeper** *Xiphocolaptes falcirostris falcirostris* **Endemic**
2 Meruoca - Sitio Bonfin 12-12
- 207 **White-throated Woodcreeper** *Xiphocolaptes albicollis bahiae* [Range-restricted](#)
1 Boa Nova - wet forest 01-01, 1 Santa Antonio Farm 01-02, 1 + 1 heard Serra Bonita 01-03, 1 + 1 heard Serra Bonita 01-04
- 208 **Lesser Woodcreeper** *Xiphorhynchus fuscus tenuirostris* [Range-restricted](#)
1 Timorante Forest 12-31
- 209 **Ceara Woodcreeper** *Xiphorhynchus atlanticus*
1 N of Meruoca city 12-12, 1 Guaramiranga 12-15, 2 Frei Caneca 12-21
- 210 **Buff-throated Woodcreeper** *Xiphorhynchus guttatus*
1 Agua Boa 01-09
- 211 **Straight-billed Woodcreeper** *Dendroplex picus picus*
1 Meruoca - Sitio Floresta 12-12, 1 N of Meruoca city 12-12, 1 Guaramiranga 12-14, 1 Guaramiranga 12-15, 1 Canudos - Jeremoabo (BR-235) 12-18, 1 Frei Caneca 12-21
- 212 **Red-billed Scythebill** *Campylorhamphus trochilirostris major*
1 Canudos - Jeremoabo (BR-235) 12-18
- 213 **Black-billed Scythebill** *Campylorhamphus falcularius* [Range-restricted](#)
1 Lajedo Rocky Outcrop 12-29, 1 Serra do Arrepio 12-30, 1 Serra Bonita 01-03
- 214 **Narrow-billed Woodcreeper** *Lepidocolaptes angustirostris bahiae*
3 En route 12-12, 2 Meruoca - Sitio Bonfin 12-12
- 215 **Scaled Woodcreeper** *Lepidocolaptes squamatus squamatus* **Endemic**
2 Serra do Arrepio 12-30, 1 heard Nova Canaa 12-30, 1 Timorante Forest 12-31, 2 Boa Nova - wet forest 12-31, 1 Serra Bonita 01-05
- 216 **Plain Xenops** *Xenops minutus minutus*
1 Murici 12-20, 1 Timorante Forest 12-31, 1 Serra Bonita 01-04

- 217 **Streaked Xenops** *Xenops rutilans rutilans*
2 Timorante Forest 12-31, 2 Boa Nova - wet forest 12-31, 2 Serra Bonita 01-04, 1 Serra Bonita 01-05
- 218 **Band-tailed Hornero** *Furnarius figulus figulus* **Endemic**
1 Lake S of Meruoca 12-12, 1 Sobral 12-12, 1 Lake S of Meruoca 12-13, 1 Guaramiranga 12-15, 2 Trapiche 12-22, 1 Porto Seguro 01-07
- 219 **Pale-legged Hornero** *Furnarius leucopus assimilis*
2 Meruoca - Sitio Bonfin 12-12, 5 Meruoca - Sitio Bonfin 12-13, 1 Guaramiranga 12-14, 2 Canudos - Jeremoabo (BR-235) 12-18
- 220 **Rufous Hornero** *Furnarius rufus albogularis*
1 São Paulo airport 12-11, 2 dirt road Palmeiras - Mucugé 12-27, 1 Mucugé 12-27, 2 Santa Antonio Farm 01-02, 2 Veracel 01-07
- 221 **Sharp-tailed Streamcreeper** *Lochmias nematura nematura*
1 Boa Nova - wet forest 12-29, 1 heard Boa Nova - wet forest 01-01
- 222 **White-collared Foliage-gleaner** *Anabazenops fuscus* **Endemic**
1 Boa Nova - wet forest 12-29, 1 Boa Nova - wet forest 01-01
- 223 **Great Xenops** *Megaxenops parnaguae* **Endemic**
1 Potengi - Sitio Nascente 12-16
- 224 **Pale-browed Treehunter** *Cichocolaptes leucophrus leucophrus* **Endemic**
3 Serra Bonita 01-03
- 225 **Sharp-billed Treehunter** *Heliobletus contaminatus*
2 Serra Bonita 01-05
- 226 **Black-capped Foliage-gleaner** *Philydor atricapillus* **Range-restricted**
1 Serra Bonita 01-03, 2 Serra Bonita 01-04
- 227 **Ochre-breasted Foliage-gleaner** *Anabacerthia lichtensteini* **Range-restricted**
2 + 1 heard Boa Nova - wet forest 01-01, 1 Serra Bonita 01-03, 1 Serra Bonita 01-04
- 228 **Buff-fronted Foliage-gleaner** *Dendroma rufa rufa*
1 Boa Nova - wet forest 01-01
- 229 **Pernambuco Foliage-gleaner** *Automolus lammi* (EN) **Endemic**
1 Murici 12-20
- 230 **White-eyed Foliage-gleaner** *Automolus leucophthalmus leucophthalmus / sulphurascens* **Range-restricted**
2 + 2 heard Boa Nova - wet forest 12-29, 2 heard Timorante Forest 12-31, 1 heard Boa Nova - wet forest 12-31, 1 Boa Nova - wet forest 01-01, 1 heard Santa Antonio Farm 01-02, 3 heard Serra Bonita 01-03, 4 + 1 heard Serra Bonita 01-04, 1 heard Agua Boa 01-09
- 231 **Rufous-fronted Thornbird** *Phacellodomus rufifrons specularis / rufifrons*
1 União dos Palmares - Quilombo Hotel 12-19, 1 P'edro D'anta 12-22, 2 Boa Nova - wet forest 12-29, 1 Timorante Forest 12-31

- 232 **Greater Thornbird** *Phacellodomus ruber*
2 Bom Jesus da Lapa 12-27
- 233 **Orange-eyed Thornbird** *Phacellodomus erythrophthalmus* **Endemic**
1 Nova Canaa 12-30
- 234 **Pink-legged Graveteiro** *Acrobatornis fonscai* (VU) **Endemic**
1 Serra Bonita 01-02
- 235 **Striated Softtail** *Thripophaga macroura* (VU) **Endemic**
1 Boa Nova - wet forest 12-29, 4 Timorante Forest 12-31, 2 Boa Nova - wet forest 12-31, 1 Boa Nova - wet forest 01-01
- 236 **Rusty-backed Spinetail** *Cranioleuca vulpina reiseri*
2 Bom Jesus da Lapa 12-27
- 237 **Pallid Spinetail** *Cranioleuca pallida* **Endemic**
1 Boa Nova - wet forest 12-28, 1 Boa Nova - wet forest 01-01, 1 Serra Bonita 01-03
- 238 **Grey-headed Spinetail** *Cranioleuca semicinerea* **Endemic**
2 Meruoca - Sitio Floresta 12-12, 1 Meruoca - Sitio Floresta 12-13, 1 heard Guaramiranga 12-14, 1 Guaramiranga - Hotel Remanso 12-14
- 239 **Caatinga Cacholote** *Pseudoseisura cristata* **Endemic**
3 Meruoca - Sitio Bonfin 12-12, 1 Lencois 12-24, 5 Bom Jesus da Lapa 12-27
- 240 **Yellow-chinned Spinetail** *Certhiaxis cinnamomeus cearensis*
1 Sobral 12-12, 3 dirt road Palmeiras - Mucugé 12-26
- 241 **Ochre-cheeked Spinetail** *Synallaxis scutata scutata* **Range-restricted**
2 Meruoca - Sitio Floresta 12-13, 1 + 1 heard Potengi - Sitio Nascente 12-16, 1 Canudos - Jeremoabo (BR-235) 12-18
- 242 **Red-shouldered Spinetail** *Synallaxis hellmayri* **Endemic**
2 + 1 heard Potengi - Sitio Pau Preto 12-16, 1 Jeremoabo 12-19
- 243 **Bahia Spinetail** *Synallaxis cinerea* (NT) **Endemic**
4 Boa Nova - wet forest 12-28, 2 Boa Nova - wet forest 12-29, 1 heard Serra do Arrepio 12-30, 1 heard Boa Nova - wet forest 12-31
- 244 **Pinto's Spinetail** *Synallaxis infuscata* (EN) **Endemic**
2 P'edro D'anta 12-22
- 245 **Spix's Spinetail** *Synallaxis spixi*
1 + 2 heard Boa Nova - wet forest 12-31, 1 Boa Nova - wet forest 12-31
- 246 **Pale-breasted Spinetail** *Synallaxis albescens albescens*
1 heard Chapada Diamantina - Rd 242 / Rio São José area 12-25, 1 dirt road Palmeiras - Mucugé 12-25, 1 Guiné 12-26, 1 Mucugé 12-26
- 247 **Sooty-fronted Spinetail** *Synallaxis frontalis*
1 Guaramiranga 12-14, 1 Canudos - Jeremoabo (BR-235) 12-18, 1 Chapada Diamantina - Rd 242 / Rio São José area 12-25, 1 heard Caetité 12-28, 1 Timorante Forest 12-31

- 248 **Stripe-backed Antbird** *Myrmorchilus strigilatus strigilatus*
2 + 1 heard Potengi - Sitio Pau Preto 12-16, 1 heard Canudos Biological Station 12-18, 1 heard Jeremoabo 12-19, 1 heard Caetité 12-28, 1 + 1 heard Serra do Arrepio 12-30, 2 heard Lajedo 12-30
- 249 **Silvery-flanked Antwren** *Myrmotherula luctuosa* **Endemic**
2 Murici 12-20, 1 Frei Caneca 12-21, 2 Crasto 12-24, 1 Santa Antonio Farm 01-02, 1 Veracel 01-06
- 250 **Salvadori's Antwren** *Myrmotherula minor* (VU) **Endemic**
1 Serra Bonita 01-04
- 251 **Band-tailed Antwren** *Myrmotherula urosticta* (VU) **Endemic**
1 Veracel 01-06, 1 Agua Boa 01-09
- 252 **Alagoas Antwren** *Myrmotherula snowi* (CR) **Endemic**
1 + 1 heard Murici 12-20
- 253 **Orange-bellied Antwren** *Terenura sicki* (CR) **Endemic**
2 Murici 12-20, 1 Frei Caneca 12-21
- 254 **Narrow-billed Antwren** *Formicivora iheringi* (NT) **Endemic**
3 + 2 heard Lajedo Rocky Outcrop 12-29, 1 + 3 heard Serra do Arrepio 12-30, 1 heard Lajedo 12-30
- 255 **Black-bellied Antwren** *Formicivora melanogaster bahiae* **Range-restricted**
1 Meruoca - Sitio Floresta 12-12, 1 Hotel Pedra dos Ventos 12-15, 1 Potengi - Sitio Pau Preto 12-16, 1 Canudos Biological Station 12-18, 1 Jeremoabo 12-19, 1 Mucugê 12-26, 1 heard Caetité 12-28
- 256 **Rusty-backed Antwren** *Formicivora rufa rufa*
1 dirt road Palmeiras - Mucugê 12-25
- 257 **Sincora Antwren** *Formicivora grantsaui* (EN) **Endemic**
1 Chapada Diamantina - Rd 242 / Rio São José area 12-25
- 258 **Cinereous Antshrike** *Thamnomanes caesius caesius*
2 Timorante Forest 12-31, 1 Boa Nova - wet forest 12-31
- 259 **Bahia Antwren** *Herpsilochmus pileatus* VU
2 heard Veracel 01-06, 1 + 3 heard Veracel 01-07
- 260 **Caatinga Antwren** *Herpsilochmus sellowi* **Endemic**
1 + 1 heard Potengi - Sitio Pau Preto 12-16, 1 heard Chapada do Araripe 12-16, 1 Caetité 12-28
- 261 **Black-capped Antwren** *Herpsilochmus atricapillus*
1 N of Meruoca city 12-12, 1 Meruoca - Sitio Floresta 12-12, 1 Lake S of Meruoca 12-13, 2 Guaramiranga 12-14, 1 Potengi - Sitio Nascente 12-16, 1 Caetité 12-28, 1 Lajedo Rocky Outcrop 12-29, 1 Serra do Arrepio 12-30
- 262 **Pectoral Antwren** *Herpsilochmus pectoralis* (VU) **Endemic**
2 En route 12-18, 1 5433m NNW, Position 12-18

- 263 **Rufous-winged Antwren** *Herpsilochmus rufimarginatus scapularis*
5 Murici 12-20, 2 Frei Caneca 12-21, 1 Boa Nova - wet forest 12-29, 1 Timorante Forest 12-31
- 264 **Spot-breasted Antvireo** *Dysithamnus stictothorax* (NT) **Endemic**
1 Boa Nova - wet forest 12-29, 1 Serra do Arrepio 12-30, 1 + 1 heard Timorante Forest 12-31, 1 heard Boa Nova - wet forest 01-01, 1 heard Serra Bonita 01-02, 1 + 2 heard Serra Bonita 01-04, 1 heard Serra Bonita 01-05
- 265 **Plain Antvireo** *Dysithamnus mentalis emiliae*
1 Murici 12-20, 2 Frei Caneca 12-21, 3 P'edro D'anta 12-22
- 266 **Plumbeous Antvireo** *Dysithamnus plumbeus* (VU) **Endemic**
2 Serra Bonita 01-03
- 267 **Barred Antshrike** *Thamnophilus doliatus capistratus*
1 Meruoca - Sitio Floresta 12-12, 2 Meruoca - Sitio Floresta 12-13, 1 Potengi - Sitio Pau Preto 12-16, 1 Canudos - caatinga S of town 12-17, 2 heard Canudos Biological Station 12-18, 1 Jeremoabo 12-19
- 268 **Chestnut-backed Antshrike** *Thamnophilus palliatus palliatus*
1 União dos Palmares - Quilombo Hotel 12-19
- 269 **White-shouldered Antshrike** *Thamnophilus aethiops distans*
2 Murici 12-20
- 270 **Planalto Slaty Antshrike** *Thamnophilus pelzelni* **Endemic**
1 Meruoca - Sitio Floresta 12-12
- 271 **Sooretama Slaty Antshrike** *Thamnophilus ambiguus* **Endemic**
1 Crasto 12-24, 5 Veracel 01-07
- 272 **Variable Antshrike** *Thamnophilus caerulescens ochraceiventer / cearensis*
2 Guaramiranga 12-14, 1 Canudos - Jeremoabo (BR-235) 12-18, 1 P'edro D'anta 12-22, 1 Serra do Arrepio 12-30, 1 Nova Canaa 12-30
- 273 **Rufous-winged Antshrike** *Thamnophilus torquatus* **Range-restricted**
1 + 1 heard Chapada Diamantina - Morro do Pai Inacio 12-25, 2 Chapada Diamantina - Rd 242 / Rio São José area 12-25, 1 Chapada Diamantina - Morro do Pai Inacio 12-26
- 274 **Silvery-cheeked Antshrike** *Sakesphorus cristatus* **Endemic**
1 Potengi - Sitio Pau Preto 12-16, 1 Jeremoabo 12-19, 3 heard Caetité 12-28, 3 Lajedo Rocky Outcrop 12-29, 1 heard Serra do Arrepio 12-30
- 275 **Great Antshrike** *Taraba major stagurus*
1 Guaramiranga 12-14, 2 Lake S of Meruoca 12-12, 1 Lake S of Meruoca 12-13, 1 Jeremoabo 12-19, 1 Caetité 12-28, 1 Nova Canaa 12-30
- 276 **Tufted Antshrike** *Mackenziaena severa* **Range-restricted**
1 Boa Nova - wet forest 12-29, 1 heard Timorante Forest 12-31, 1 Boa Nova - wet forest 12-31

- 277 **Spot-backed Antshrike** *Hypodaleus guttatus* [Range-restricted](#)
1 heard Boa Nova - wet forest 12-29, 1 + 2 heard Boa Nova - wet forest 01-01, 2 heard Serra Bonita 01-03, 3 + 2 heard Serra Bonita 01-04
- 278 **Ferruginous Antbird** *Drymophila ferruginea* **Endemic**
1 + 1 heard Boa Nova - wet forest 12-29, 2 heard Boa Nova - wet forest 01-01, 1 heard Serra Bonita 01-03, 1 heard Serra Bonita 01-04, 1 Serra Bonita 01-05
- 279 **Scaled Antbird** *Drymophila squamata squamata* **Endemic**
1 Boa Nova - wet forest 12-29
- 280 **Willis's Antbird** *Cercomacroides laeta sabinoi* – HO
1 heard P'edro D'anta 12-22
- 281 **Rio De Janeiro Antbird** *Cercomacra brasiliana* (NT) **Endemic**
1 Boa Nova - wet forest 12-29
- 282 **Scalloped Antbird** *Myrmoderus ruficauda soror* **Endemic**
2 + 5 heard Murici 12-20, 1 heard Frei Caneca 12-21, 1 heard P'edro D'anta 12-22
- 283 **White-bibbed Antbird** *Myrmoderus loricatus*
3 + 3 heard Serra do Arrepio 12-30, 1 heard Boa Nova - wet forest 01-01, 1 heard Serra Bonita 01-05
- 284 **East Amazonian Fire-eye** *Pyriglena leuconota pernambucensis* **Endemic**
2 Murici 12-20, 5 Frei Caneca 12-21
- 285 **Fringe-backed Fire-eye** *Pyriglena atra* (EN) **Endemic**
1 + 1 heard Crasto 12-24
- 286 **White-shouldered Fire-eye** *Pyriglena leucoptera* [Range-restricted](#)
3 Boa Nova - wet forest 12-29, 1 Timorante Forest 12-31, 2 Serra Bonita 01-03, 2 + 1 heard Serra Bonita 01-04
- 287 **Slender Antbird** *Rhopornis ardesiacus* EN
2 + 2 heard Lajedo Rocky Outcrop 12-29, 1 heard Serra do Arrepio 12-30, 1 heard Lajedo 12-30
- 288 **Short-tailed Antthrush** *Chamaeza campanisona campanisona*
1 Guaramiranga - Hotel Remanso 12-14, 1 Guaramiranga - Hotel Remanso 12-15, 1 Serra do Arrepio 12-30, 1 heard Serra Bonita 01-05
- 289 **Cryptic Antthrush** *Chamaeza meruloides* **Endemic**
1 Boa Nova - wet forest 01-01
- 290 **Variegated Antpitta** *Grallaria varia intercedens*
1 heard Serra Bonita 01-03, 1 Serra Bonita 01-04
- 291 **White-browed Antpitta** *Hylopezus ochroleucus* (NT) **Endemic**
1 + 1 heard Potengi - Sitio Nascente 12-16, 2 heard Chapada do Araripe 12-16, 1 heard Serra do Arrepio 12-30

- 292 **Rufous Gnateater** *Conopophaga lineata lineata* [Range-restricted](#)
1 Boa Nova - wet forest 12-29, 2 Serra do Arrepio 12-30, 1 Timorante Forest 12-31, 1 Boa Nova - wet forest 12-31
- 293 **Hooded Gnateater** *Conopophaga roberti* **Endemic**
2 N of Meruoca city 12-12, 2 Meruoca - Sitio Floresta 12-12
- 294 **Ceara Gnateater** *Conopophaga cearae* **Endemic**
3 Guaramiranga 12-14
- 295 **Black-cheeked Gnateater** *Conopophaga melanops perspicillata* **Endemic**
1 Murici 12-20, 1 Frei Caneca 12-21, 1 Agua Boa 01-09
- 296 **Bahia Tapaculo** *Eleoscytalopus psychopompus* **Endemic**
1 Agua Boa 01-08, 1 Agua Boa 01-09
- 297 **Diamantina Tapaculo** *Scytalopus diamantinensis* (EN) **Endemic**
1 NE of Mucugé 12-26
- 298 **Collared Crescentchest** *Melanopareia torquata* [Range-restricted](#)
1 heard Chapada Diamantina - Morro do Pai Inacio 12-25, 1 dirt road Palmeiras - Mucugé 12-25, 1 heard Chapada Diamantina - Morro do Pai Inacio 12-26, 1 + 1 heard Mucugé 12-26
- 299 **Planalto Tyrannulet** *Phyllomyias fasciatus cearae*
2 Meruoca - Sitio Floresta 12-13, 2 Guaramiranga 12-14, 1 União dos Palmares - Quilombo Hotel 12-19
- 300 **Rough-legged Tyrannulet** *Phyllomyias burmeisteri* [Range-restricted](#)
2 Nova Canaa 12-30, 2 Serra Bonita 01-03
- 301 **Grey-capped Tyrannulet** *Phyllomyias griseocapilla* (NT) **Endemic**
1 Serra do Arrepio 12-30, 1 Nova Canaa 12-30, 1 Serra Bonita 01-05
- 302 **Grey Elaenia** *Myiopagis caniceps caniceps*
1 dirt road Palmeiras - Mucugé 12-25, 2 Guiné 12-26, 1 Mucugé 12-26, 1 Caetité 12-28
- 303 **Greenish Elaenia** *Myiopagis viridicata viridicata*
1 Potengi - Sitio Pau Preto 12-16, 3 Canudos - Jeremoabo (BR-235) 12-18
- 304 **Yellow-bellied Elaenia** *Elaenia flavogaster flavogaster*
2 São Paulo airport 12-11, 5 Lake S of Meruoca 12-13, 1 Quilombo 12-19, 1 Veracel 01-06, 2 Veracel 01-08
- 305 **Large Elaenia** *Elaenia spectabilis*
1 Lake S of Meruoca 12-13, 2 Guaramiranga - Hotel Remanso 12-15, 3 Potengi - Sitio Pau Preto 12-16, 2 Trapiche 12-22
- 306 **Plain-crested Elaenia** *Elaenia cristata cristata*
1 Chapada Diamantina - Morro do Pai Inacio 12-25, 1 Chapada Diamantina - Rd 242 / Rio São José area 12-25, 1 Guiné 12-26

- 307 **Small-headed Elaenia** *Elaenia sordida*
1 Chapada Diamantina - Morro do Pai Inacio 12-25, 1 + 1 heard Chapada Diamantina - Morro do Pai Inacio 12-26
- 308 **Southern Beardless Tyrannulet** *Camptostoma obsoletum cinerascens*
1 Potengi - Sitio Pau Preto 12-16, 1 Caetité 12-28
- 309 **White-crested Tyrannulet** *Serpophaga subcristata subcristata*
2 Lajedo Rocky Outcrop 12-29
- 310 **Mouse-colored Tyrannulet** *Phaeomyias murina murina*
1 Canudos - caatinga S of town 12-17, 1 Canudos Biological Station 12-18, 3 Lajedo Rocky Outcrop 12-29, 1 heard Serra do Arrepio 12-30
- 311 **Yellow Tyrannulet** *Capsiempis flaveola flaveola*
3 P'edro D'anta 12-22, 2 Nova Canaa 12-30, 1 Serra Bonita 01-03
- 312 **Grey-backed Tachuri** *Polystictus superciliaris* **Endemic**
1 + 1 heard Guiné 12-27
- 313 **Southern Antpipit** *Corythopsis delalandi* **Range-restricted**
1 + 1 heard Serra do Arrepio 12-30
- 314 **Tawny-crowned Pygmy Tyrant** *Euscarthmus meloryphus meloryphus*
1 + 1 heard Potengi - Sitio Nascente 12-16, 1 Canudos Biological Station 12-18, 1 Lajedo Rocky Outcrop 12-29
- 315 **Rufous-sided Pygmy Tyrant** *Euscarthmus rufomarginatus* (NT) **Range-restricted**
2 dirt road Palmeiras - Mucugé 12-25, 1 + 1 heard Mucugé 12-26
- 316 **Lesser Wagtail-Tyrant** *Stigmatura napensis bahiae*
2 Potengi - Sitio Pau Preto 12-16, 2 Canudos Biological Station 12-18, 1 Jeremoabo 12-19
- 317 **Greater Wagtail-Tyrant** *Stigmatura budytoides gracilis*
3 Potengi - Sitio Pau Preto 12-16
- 318 **Guianan Tyrannulet** *Zimmerius acer*
3 Guaramiranga 12-14, 1 Guaramiranga 12-15
- 319 **Alagoas Tyrannulet** *Phylloscartes ceciliae* (CR) **Endemic**
5 Murici 12-20, 6 Frei Caneca 12-21
- 320 **Bahia Tyrannulet** *Phylloscartes beckeri* (EN) **Endemic**
1 Serra Bonita 01-03, 3 Serra Bonita 01-05
- 320 **Minas Gerais Tyrannulet** *Phylloscartes roquettei* (EN) **Endemic**
2 Caetité 12-28
- 322 **Ochre-bellied Flycatcher** *Mionectes oleagineus oleagineus*
1 Serra Bonita 01-04
- 323 **Sepia-capped Flycatcher** *Leptopogon amaurocephalus amaurocephalus*
1 Crasto 12-24, 2 Boa Nova - wet forest 12-29, 1 Timorante Forest 12-31, 3 Serra Bonita 01-03, 2 + 1 heard Serra Bonita 01-04

- 324 **Southern Scrub Flycatcher** *Sublegatus modestus modestus*
1 Potengi - Sitio Pau Preto 12-16, 2 Canudos Biological Station 12-18
- 325 **Bran-colored Flycatcher** *Myiophobus fasciatus flammiceps*
1 P'edro D'anta 12-22, 1 Serra do Arrepio 12-30, 1 Lajedo 12-30, 1 Serra Bonita 01-04
- 326 **Drab-breasted Bamboo Tyrant** *Hemitriccus diops* **Range-restricted**
1 Boa Nova - wet forest 12-29, 2 Boa Nova - wet forest 01-01, 1 Serra Bonita 01-03
- 327 **White-bellied Tody-Tyrant** *Hemitriccus griseipectus naumburgae*
1 Murici 12-20
- 328 **Stripe-necked Tody-Tyrant** *Hemitriccus striaticollis striaticollis* **Range-restricted**
2 Meruoca - Sitio Bonfin 12-13
- 329 **Hangnest Tody-Tyrant** *Hemitriccus nidipendulus* **Endemic**
2 Serra do Arrepio 12-30
- 330 **Pearly-vented Tody-Tyrant** *Hemitriccus margaritaceiventer wuchereri*
1 Lake S of Meruoca 12-13, 1 Canudos - caatinga S of town 12-17, 1 Canudos - Jeremoabo (BR-235) 12-18, 1 Jeremoabo 12-19, 1 Caetité 12-28, 1 Lajedo 12-30
- 331 **Buff-breasted Tody-Tyrant** *Hemitriccus mirandae* (VU) **Endemic**
2 + 1 heard N of Meruoca city 12-12, 2 Guaramiranga 12-14, 1 Guaramiranga - Hotel Remanso 12-15
- 332 **Fork-tailed Tody-Tyrant** *Hemitriccus furcatus* (VU) **Endemic**
1 Boa Nova - wet forest 12-31
- 333 **Eared Pygmy Tyrant** *Myiornis auricularis cinereicollis / auricularis* **Range-restricted**
1 Frei Caneca 12-2 , 2 + 2 heard Veracel 01-07, 1 Veracel 01-08
- 334 **Ochre-faced Tody-Flycatcher** *Poecilatriccus plumbeiceps cinereipectus* **Range-restricted**
3 Caetité 12-28
- 335 **Smoky-fronted Tody-Flycatcher** *Poecilatriccus fumifrons fumifrons* **Range-restricted**
1 P'edro D'anta 12-22
- 336 **Yellow-lored Tody-Flycatcher** *Todirostrum poliocephalum* **Endemic**
4 Boa Nova - wet forest 12-29, 2 Serra Bonita 01-02, 5 Serra Bonita 01-03, 4 Serra Bonita 01-04
- 337 **Common Tody-Flycatcher** *Todirostrum cinereum cearae*
1 São Paulo airport 12-11, 1 Potengi - Sitio Pau Preto 12-16, 1 Potengi - Sitio Nascente 12-16, 1 Jeremoabo 12-19, 1 União dos Palmares - Quilombo Hotel 12-19, 2 Boa Nova - wet forest 12-29, 1 Veracel 01-07
- 338 **Yellow-olive Flatbill** *Tolmomyias sulphurescens pallescens*
2 Frei Caneca 12-21, 1 Caetité 12-28, 1 Serra do Arrepio 12-30, 2 Nova Canaa 12-30, 1 Serra Bonita 01-03, 2 Serra Bonita 01-04
- 339 **Ochre-lored Flatbill** *Tolmomyias flaviventris flaviventris*
1 N of Meruoca city 12-12, 1 Meruoca - Sitio Bonfin 12-12, 1 Meruoca - Sitio Floresta 12-13, 1 Meruoca - Sitio Bonfin 12-13, 2 Guaramiranga 12-14, 1 Guaramiranga 12-15, 1

- Potengi - Sitio Pau Preto 12-16, 1 Potengi - Sitio Nascente 12-16, 1 Chapada do Araripe 12-16, 2 Canudos - Jeremoabo (BR-235) 12-18, 1 União dos Palmares - Quilombo Hotel 12-19
- 340 **White-throated Spadebill** *Platyrinchus mystaceus cancromus / niveigularis*
1 Boa Nova - wet forest 12-29, 1 Serra do Arrepio 12-30, 1 Guaramiranga 12-14, 3 Serra Bonita 01-03, 1 Serra Bonita 01-05
- 341 **Cliff Flycatcher** *Hirundinea ferruginea bellicosa*
1 Lake S of Meruoca 12-12, 2 Lake S of Meruoca 12-13, 1 Canudos Biological Station 12-18, 2 Guiné 12-26, 1 Caetité 12-28, 4 Agua Boa 01-08
- 342 **Euler's Flycatcher** *Lathrotriccus euleri euleri*
1 Canudos - Jeremoabo (BR-235) 12-18, 2 Boa Nova - wet forest 12-31, 1 Boa Nova - wet forest 01-01, 1 Serra Bonita 01-03, 4 Serra Bonita 01-04, 3 Serra Bonita 01-05
- 343 **Fuscous Flycatcher** *Cnemotriccus fuscatus bimaclatus*
1 Potengi - Sitio Nascente 12-16
- 344 **Tropical Pewee** *Contopus cinereus pallescens / cinereus*
1 Boa Nova - wet forest 12-29, 1 Nova Canaa 12-30, 1 Timorante Forest 12-31, 1 Santa Antonio Farm 01-02, 1 Serra Bonita 01-02, 1 Serra Bonita 01-03, 2 Serra Bonita 01-04, 1 Serra Bonita 01-05
- 345 **Velvety Black Tyrant** *Knipolegus nigerrimus* **Endemic**
7 Chapada Diamantina - Morro do Pai Inacio 12-25
- 346 **White Monjita** *Xolmis irupero niveus*
2 En route 12-17, 2 En route 12-18, 1 Bom Jesus da Lapa 12-27, 1 Caetite 12-28, 1 Lajedo 12-30
- 347 **Black-backed Water Tyrant** *Fluvicola albiventer*
1 Sobral 12-12, 1 Sobral 12-13, 1 Canudos - Jeremoabo (BR-235) 12-17
- 348 **Masked Water Tyrant** *Fluvicola nengeta nengeta*
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- 349 **White-headed Marsh Tyrant** *Arundinicola leucocephala*
1 Potengi - Sitio Pau Preto 12-16, 2 União dos Palmares - Quilombo Hotel 12-19, 1 Trapiche 12-22, 1 dirt road Palmeiras - Mucugé 12-26
- 350 **Long-tailed Tyrant** *Colonia colonus colonus*
3 Nova Canaa 12-30, 1 Serra Bonita 01-05
- 351 **Cattle Tyrant** *Machetornis rixosa rixosa*
2 São Paulo airport 12-11, 1 dirt road Palmeiras - Mucugé 12-26
- 352 **Piratic Flycatcher** *Legatus leucophaeus leucophaeus*
2 Guaramiranga 12-14, 1 Frei Caneca 12-21, 1 Lajedo Rocky Outcrop 12-29, 1 Serra do Arrepio 12-30, 1 Boa Nova - wet forest 01-01, 6 Santa Antonio Farm 01-02, 1 Serra Bonita 01-02, 1 Serra Bonita 01-04
- 353 **Social Flycatcher** *Myiozetetes similis pallidiventris*
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- 354 **Great Kiskadee** *Pitangus sulphuratus maximiliani*
5 São Paulo airport 12-11, 2 Sobral 12-12, 1 União dos Palmares - Quilombo Hotel 12-19, 5 Mucugé 12-27, 1 Santa Antonio Farm 01-02
- 355 **Lesser Kiskadee** *Philohydor lictor lictor*
1 Bom Jesus da Lapa 12-27, 1 Veracel 01-08
- 356 **Three-striped Flycatcher** *Conopias trivirgatus trivirgatus*
2 Serra Bonita 01-02, 1 Serra Bonita 01-03, 1 Serra Bonita 01-05, 1 Agua Boa 01-09
- 357 **Streaked Flycatcher** *Myiodynastes maculatus maculatus / solitarius*
1 Meruoca - Sitio Bonfin 12-13, 2 Guaramiranga 12-14, 1 Lajedo Rocky Outcrop 12-29, 1 Serra do Arrepio 12-30
- 358 **Boat-billed Flycatcher** *Megarynchus pitangua pitangua*
2 Meruoca - Sitio Bonfin 12-12, 2 Caetité 12-28, 2 Boa Nova - wet forest 12-29, 1 Serra Bonita 01-05, 2 Veracel 01-05, 1 Veracel 01-06
- 359 **Variiegated Flycatcher** *Empidonomus varius rufinus*
1 Lake S of Meruoca 12-12, 1 Potengi - Sitio Nascente 12-16, 5 Canudos - Jeremoabo (BR-235) 12-18, 2 União dos Palmares - Quilombo Hotel 12-19, 1 Caetité 12-28, 2 Boa Nova - wet forest 12-28, 1 Lajedo 12-30, 2 Serra Bonita 01-03, 1 Juerana & Sapucaia Reserve 01-09
- 360 **Tropical Kingbird** *Tyrannus melancholicus despotes*
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- 361 **Fork-tailed Flycatcher** *Tyrannus savana circumdatus*
3 São Paulo airport 12-11, 1 Guiné 12-26, 1 Mucugé 12-26, 1 Lajedo 12-30
- 362 **Greyish Mourner** *Rhytipterna simplex simplex*
1 Murici 12-20, 3 Boa Nova - wet forest 01-01, 1 Serra Bonita 01-03
- 363 **Ash-throated Casiornis** *Casiornis fuscus* **Endemic**
1 Meruoca - Sitio Bonfin 12-13, 1 Potengi - Sitio Nascente 12-16, 1 Canudos - Jeremoabo (BR-235) 12-18
- 364 **Dusky-capped Flycatcher** *Myiarchus tubercu tubercu* – HO
1 heard Frei Caneca 12-21
- 365 **Short-crested Flycatcher** *Myiarchus ferox ferox*
3 Meruoca - Sitio Floresta 12-12, 1 Guaramiranga - Hotel Remanso 12-14, 1 Boa Nova - wet forest 12-29
- 366 **Brown-crested Flycatcher** *Myiarchus tyrannulus bahiae*
2 Meruoca - Sitio Bonfin 12-12, 1 Potengi - Sitio Pau Preto 12-16, 2 Canudos - Jeremoabo (BR-235) 12-18
- 367 **Grey-hooded Attila** *Attila rufus hellmayri* **Endemic**
1 Boa Nova - wet forest 12-29, 1 Serra Bonita 01-03, 1 Serra Bonita 01-04, 1 heard Serra Bonita 01-05

- 368 **Bright-rumped Attila** *Attila spadiceus uropygiatus*
1 Veracel 01-06
- 369 **Black-headed Berryeater** *Carpornis melanocephala* (VU) **Endemic**
1 + 1 heard Murici 12-20
- 370 **Swallow-tailed Cotinga** *Phibalura flavirostris* (NT) **Range-restricted**
3 Nova Canaa 12-30
- 371 **Red-ruffed Fruitcrow** *Pyroderus scutatus scutatus*
1 Boa Nova - wet forest 01-01
- 372 **Cinnamon-vented Piha** *Lipaugus lanioides* (NT) **Endemic**
1 heard Boa Nova - wet forest 01-01, 1 Serra Bonita 01-03, 2 Serra Bonita 01-04
- 373 **Screaming Piha** *Lipaugus vociferans* – HO
5 heard Murici 12-20, 1 heard Agua Boa 01-09
- 374 **Bare-throated Bellbird** *Procnias nudicollis* (VU) – HO / **Range-restricted**
1 heard Serra Bonita 01-04, 1 heard Agua Boa 01-09
- 375 **Bearded Bellbird** *Procnias averano* – HO
1 heard Agua Boa 01-09
- 376 **Banded Cotinga** *Cotinga maculata* (EN) **Endemic**
1 Veracel 01-08
- 377 **White-winged Cotinga** *Xipholena atropurpurea* (VU) **Endemic**
1 Trapiche 12-22, 1 Trapiche 12-23, 1 2 Veracel 01-06, 1 Veracel 01-07, 8 Veracel 01-08
- 378 **Pale-bellied Tyrant-Manakin** *Neopelma pallescens* **Range-restricted**
1 Chapada do Araripe 12-16
- 379 **Wied's Tyrant-Manakin** *Neopelma aurifrons* (VU) **Endemic**
1 Serra do Arrepio 12-30
- 380 **Araripe Manakin** *Antilophia bokermanni* (CR) **Endemic**
1 Arajara Water Park 12-17
- 381 **Helmeted Manakin** *Antilophia galeata*
1 Caetité 12-28
- 382 **Blue-backed Manakin** *Chiroxiphia pareola pareola*
1 + 1 heard Murici 12-20
- 383 **Blue Manakin** *Chiroxiphia caudata* **Range-restricted**
2 + 1 heard Boa Nova - wet forest 12-29, 2 Serra do Arrepio 12-30, 1 Timorante Forest 12-31, 3 + 8 heard Serra Bonita 01-03, 5 + 5 heard Serra Bonita 01-04, 1 heard Serra Bonita 01-05
- 384 **Pin-tailed Manakin** *Ilicura militaris* **Endemic**
3 Boa Nova - wet forest 12-29, 2 Boa Nova - wet forest 12-31, 1 Boa Nova - wet forest 01-01, 1 Serra Bonita 01-03, 1 Serra Bonita 01-04

- 385 **White-bearded Manakin** *Manacus manacus gutturosus*
1 P'edro D'anta 12-22, 2 Boa Nova - wet forest 12-29, 1 Timorante Forest 12-31, 1 heard Serra Bonita 01-03
- 386 **Band-tailed Manakin** *Pipra fasciicauda scarlatina*
11 Guaramiranga 12-14, 1 Guaramiranga - Hotel Remanso 12-14
- 387 **Kinglet Manakin** *Machaeropterus regulus* **Endemic**
1 heard Santa Antonio Farm 01-02, 2 Serra Bonita 01-04, 1 Veracel 01-06, 1 heard Veracel 01-08, 4 + 3 heard Agua Boa 01-09
- 388 **White-crowned Manakin** *Pseudopipra pipra*
1 Veracel 01-07, 1 Agua Boa 01-09
- 389 **Red-headed Manakin** *Ceratopipra rubrocapilla*
3 Murici 12-20, 2 Frei Caneca 12-21
- 390 **Sharpbill** *Oxyruncus cristatus cristatus*
1 Serra Bonita 01-02, 4 + 2 heard Serra Bonita 01-03, 2 + 2 heard Serra Bonita 01-04, 1 + 1 heard Serra Bonita 01-05
- 391 **Whiskered Myiobius** *Myiobius barbatus amazonicus / mastacalis*
1 Boa Nova - wet forest 12-29 , 2 Timorante Forest 12-31 , 1 Boa Nova - wet forest 12-31
- 392 **Black-tailed Myiobius** *Myiobius atricaudus snethlagei*
1 Meruoca - Sitio Floresta 12-13, 1 Guaramiranga 12-14, 1 Guaramiranga - Hotel Remanso 12-15
- 393 **Black-tailed Tityra** *Tityra cayana braziliensis*
1 Santa Antonio Farm 01-02, 1 Agua Boa 01-09
- 394 **Brown-winged Schiffornis** *Schiffornis turdine intermedia / turdine*
2 heard Murici 12-20, 1 heard Serra do Arrepio 12-30, 1 + 1 heard Veracel 01-07
- 395 **Greenish Schiffornis** *Schiffornis virescens* **Range-restricted**
1 Serra do Arrepio 12-30
- 396 **Cinereous Mourner** *Laniocera hypopyrra*
1 P'edro D'anta 12-22
- 397 **Buff-throated Purpletuft** *Iodopleura pipra* (EN) **Endemic**
1 Serra Bonita 01-03
- 398 **Green-backed Becard** *Pachyramphus viridis viridis*
1 Boa Nova - wet forest 12-28, 1 Serra Bonita 01-02, 1 Serra Bonita 01-04
- 399 **Chestnut-crowned Becard** *Pachyramphus castaneus castaneus*
1 Nova Canaa 12-30, 3 Timorante Forest 12-31, 1 Serra Bonita 01-02, 3 Serra Bonita 01-03, 1 Serra Bonita 01-04
- 400 **Black-capped Becard** *Pachyramphus marginatus marginatus*
1 Serra Bonita 01-05

- 401 **Crested Becard** *Pachyramphus validus validus*
1 União dos Palmares - Quilombo Hotel 12-19, 1 Santa Antonio Farm 01-02
- 402 **Rufous-browed Peppershrike** *Cyclarhis gujanensis cearensis*
1 Meruoca - Sitio Floresta 12-12, 1 Meruoca - Sitio Bonfin 12-13, 1 Potengi - Sitio Pau Preto 12-16
- 403 **Chivi Vireo** *Vireo chivi chivi*
1 Potengi - Sitio Nascente 12-16, 1 Canudos - Jeremoabo (BR-235) 12-18, 1 Frei Caneca 12-21, 1 Crasto 12-24
- 404 **Grey-eyed Greenlet** *Hylophilus amaurocephalus*
2 Potengi - Sitio Nascente 12-16, 1 P'edro D'anta 12-22, 1 Caetité 12-28, 2 Lajedo Rocky Outcrop 12-29
- 405 **White-naped Jay** *Cyanocorax cyanopogon* **Endemic**
2 Meruoca - Sitio Floresta 12-12, 2 Meruoca - Sitio Floresta 12-13, 2 + 1 heard Potengi - Sitio Pau Preto 12-16, 2 Potengi - Sitio Nascente 12-16, 1 heard Canudos Biological Station 12-18
- 406 **White-winged Swallow** *Tachycineta albiventer*
2 Potengi - Sitio Pau Preto 12-16, 15 União dos Palmares - Quilombo Hotel 12-19, 6 Frei Caneca 12-21, 1 Trapiche 12-22, 1 Bom Jesus da Lapa 12-27
- 407 **Brown-chested Martin** *Progne tapera*
2 Guaramiranga - Hotel Remanso 12-14
- 408 **Grey-breasted Martin** *Progne chalybea chalybea / macrorhamphus*
2 São Paulo airport 12-11, 1 N of Meruoca city 12-12, 5 Guaramiranga 12-14, 10 Santa Antonio Farm 01-02, 10 Veracel 01-06
- 409 **Blue-and-white Swallow** *Notiochelidon cyanoleuca cyanoleuca*
1 Mucugé 12-26, 2 Mucugé 12-27, 5 Boa Nova 12-28, 3 Boa Nova 01-01, 3 Serra Bonita 01-03
- 410 **Southern Rough-winged Swallow** *Stelgidopteryx ruficollis ruficollis*
5 En route 12-13, 1 Meruoca - Sitio Floresta 12-13, 1 Mucugé 12-27
- 411 **Barn Swallow** *Hirundo rustica erythrogaster*
4 Trapiche 12-22
- 412 **Black-capped Donacobius** *Donacobius atricapilla atricapilla*
1 Santa Antonio Farm 01-02
- 413 **Thrush-like Wren** *Campylorhynchus turdinus turdinus*
2 + 1 heard Santa Antonio Farm 01-02, 3 Serra Bonita 01-03, 2 heard Serra Bonita 01-04
- 414 **Moustached Wren** *Pheugopedius genibarbis genibarbis*
2 Guaramiranga 12-14, 1 Arajara Water Park 12-17, 1 heard Frei Caneca 12-21, 1 heard P'edro D'anta 12-22, 1 heard Boa Nova - wet forest 12-28, 2 Veracel 01-06
- 415 **Long-billed Wren** *Cantorchilus longirostris bahiae* **Endemic**
1 heard Potengi - Sitio Pau Preto 12-16, 1 Canudos - Jeremoabo (BR-235) 12-18, 1 Jeremoabo 12-19

- 416 **House Wren** *Troglodytes aedon musculus*
 1 São Paulo airport 12-11, 1 Guaramiranga 12-14, 1 Guaramiranga 12-15, 1 Potengi - Sitio Nascente 12-16, 1 Canudos - Jeremoabo (BR-235) 12-18, 1 Jeremoabo 12-19, 1 Chapada Diamantina - Rd 242 / Rio São José area 12-25, 1 Boa Nova - wet forest 12-29, 1 Santa Antonio Farm 01-02
- 417 **Trilling Gnatwren** *Ramphocaenus melanurus melanurus*
 3 Frei Caneca 12-21, 1 heard Veracel 01-06
- 418 **Tropical Gnatcatcher** *Polioptila plumbea atricapilla*
 1 Lake S of Meruoca 12-12, 1 Lake S of Meruoca 12-13, 4 Potengi - Sitio Pau Preto 12-16, 2 Canudos - caatinga S of town 12-17, 4 Canudos - Jeremoabo (BR-235) 12-18, 1 União dos Palmares - Quilombo Hotel 12-19
- 419 **Chalk-browed Mockingbird** *Mimus saturninus arenaceus / frater*
 2 São Paulo airport 12-11, 2 En route 12-16 , 3 Potengi - Sitio Pau Preto 12-16 , 1 Canudos - caatinga S of town 12-17 , 4 dirt road Palmeiras - Mucugé 12-25, 1 Timorante Forest 12-31
- 420 **Rufous-brown Solitaire** *Cichlopsis leucogenys leucogenys*
 3 Serra Bonita 01-03
- 421 **Yellow-legged Thrush** *Turdus flavipes flavipes*
 1 Serra Bonita 01-02, 1 + 1 heard Serra Bonita 01-03, 1 + 1 heard Serra Bonita 01-04
- 422 **Rufous-bellied Thrush** *Turdus rufiventris juensis*
 1 Lake S of Meruoca 12-12, 5 Meruoca - Sitio Bonfin 12-12, 5 Meruoca - Sitio Bonfin 12-13, 2 Potengi - Sitio Pau Preto 12-16, 1 Trapiche 12-22, 2 Timorante Forest 12-31, 1 Serra Bonita 01-04, 2 Serra Bonita 01-05
- 423 **Pale-breasted Thrush** *Turdus leucomelas leucomelas*
 1 São Paulo airport 12-11, 2 Meruoca - Sitio Floresta 12-12, 1 Meruoca - Sitio Floresta 12-13, 1 Guaramiranga 12-14, 2 Guaramiranga - Hotel Remanso 12-15, 1 Chapada do Araripe 12-16, 1 Arajara Water Park 12-17, 1 Trapiche 12-22, 1 Chapada Diamantina - Morro do Pai Inacio 12-25, 2 Mucugê 12-26, 2 Mucugê 12-27, 1 Timorante Forest 12-31
- 424 **Creamy-bellied Thrush** *Turdus amaurochalinus*
 1 Santa Antonio Farm 01-02
- 425 **White-necked Thrush** *Turdus albicollis crotopezus*
 2 Boa Nova - wet forest 12-29, 2 Serra Bonita 01-03, 3 Serra Bonita 01-04
- 426 **Yellow-faced Siskin** *Spinus yarrellii* (VU) **Endemic**
 1 Saltinho 12-23
- 427 **Purple-throated Euphonia** *Euphonia chlorotica chlorotica*
 1 Lake S of Meruoca 12-12, 1 Lake S of Meruoca 12-13, 1 Guaramiranga 12-13, 1 En route 12-17, 1 União dos Palmares - Quilombo Hotel 12-19, 1 P'edro D'anta 12-22, 1 Timorante Forest 12-31, 1 Serra Bonita 01-04
- 428 **Violaceous Euphonia** *Euphonia violacea aurantiicollis*
 1 Guaramiranga 12-15, 6 Frei Caneca 12-21, 3 Boa Nova - wet forest 12-29, 1 Timorante Forest 12-31, 1 Santa Antonio Farm 01-02, 1 Serra Bonita 01-02, 1 Serra Bonita 01-03, 1 Serra Bonita 01-04, 1 Veracel 01-06, 1 Agua Boa 01-09

- 429 **Golden-rumped Euphonia** *Euphonia cyanocephala cyanocephala*
5 Timorante Forest 12-31
- 430 **Orange-bellied Euphonia** *Euphonia xanthogaster xanthogaster*
1 Timorante Forest 12-31, 1 Santa Antonio Farm 01-02
- 431 **Chestnut-bellied Euphonia** *Euphonia pectoralis* **Range-restricted**
1 Timorante Forest 12-31, 1 Serra Bonita 01-03, 4 Serra Bonita 01-04
- 432 **Pectoral Sparrow** *Arremon taciturnus taciturnus*
1 Guaramiranga 12-14, 1 Guaramiranga - Hotel Remanso 12-14, 1 Frei Caneca 12-21, 2 P'edro D'anta 12-22, 1 Boa Nova - wet forest 12-29, 1 Serra Bonita 01-03
- 433 **São Francisco Sparrow** *Arremon franciscanus* (NT) **Endemic**
1 Palmeiras 12-25
- 434 **Rufous-collared Sparrow** *Zonotrichia capensis capensis / matutina*
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- 435 **White-browed Blackbird** *Leistes superciliaris*
3 dirt road Palmeiras - Mucugé 12-27, 5 En route 01-05
- 436 **Crested Oropendola** *Psarocolius decumanus decumanus*
4 Meruoca - Sitio Floresta 12-12, 1 Santa Antonio Farm 01-02
- 437 **Solitary Cacique** *Cacicus solitarius*
1 Meruoca - Sitio Bonfin 12-12, 2 Meruoca - Sitio Floresta 12-13, 1 heard Meruoca - Sitio Bonfin 12-13, 1 heard Potengi - Sitio Pau Preto 12-16
- 438 **Yellow-rumped Cacique** *Cacicus cela cela*
5 Santa Antonio Farm 01-02
- 439 **Red-rumped Cacique** *Cacicus haemorrhous affinis*
1 Boa Nova - wet forest 12-28, 6 Timorante Forest 12-31, 5 Santa Antonio Farm 01-02, 1 Veracel 01-06, 1 Veracel 01-08
- 440 **Campo Troupial** *Icterus jamaicaeii* **Endemic**
2 Lake S of Meruoca 12-12, 1 Meruoca - Sitio Floresta 12-12, 3 Lake S of Meruoca 12-13, 3 Potengi - Sitio Pau Preto 12-16, 1 Canudos - Jeremoabo (BR-235) 12-18, 1 Chapada Diamantina - Rd 242 / Rio São José area 12-25, 4 Bom Jesus da Lapa 12-27, 1 Boa Nova - wet forest 12-28, 1 Santa Antonio Farm 01-02
- 441 **Variable Oriole** *Icterus pyrrhopterus tibialis*
3 Lake S of Meruoca 12-12, 1 Guaramiranga - Hotel Remanso 12-15, 1 En route 12-18, 1 União dos Palmares - Quilombo Hotel 12-19, 1 P'edro D'anta 12-22
- 442 **Shiny Cowbird** *Molothrus bonariensis bonariensis*
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- 443 **Forbes's Blackbird** *Anumara forbesi* (EN) **Endemic**
2 Trapiche 12-22

- 444 **Chopi Blackbird** *Gnorimopsar chopi sulcirostris*
1 Lake S of Meruoca 12-13, 1 Meruoca - Sitio Floresta 12-13, 2 Hotel Pedra dos Ventos 12-15, 6 Chapada Diamantina - Morro do Pai Inacio 12-25, 1 Mucugé 12-27, 1 Caetité 12-28, 1 Lajedo 12-30, 1 Santa Antonio Farm 01-02
- 445 **Pale Baywing** *Agelaioides fringillarius* **Endemic**
10 Potengi - Sitio Pau Preto 12-16, 2 En route 12-18, 2 dirt road Palmeiras - Mucugé 12-26, 1 Timorante Forest 12-31
- 446 **Chestnut-capped Blackbird** *Chrysomus ruficapillus frontalis*
1 Sobral 12-12, 4 Sobral 12-13, 16 Potengi - Sitio Pau Preto 12-16, 5 dirt road Palmeiras - Mucugé 12-26
- 447 **Southern Yellowthroat** *Geothlypis velata*
2 Chapada Diamantina - Morro do Pai Inacio 12-26
- 448 **Tropical Parula** *Setophaga pitiayumi pitiayumi*
1 Lake S of Meruoca 12-13, 1 Guaramiranga 12-15, 1 Lajedo Rocky Outcrop 12-29
- 449 **Flavescent Warbler** *Myiothlypis flaveola flaveola*
1 Meruoca - Sitio Floresta 12-12, 2 Canudos - Jeremoabo (BR-235) 12-18, 1 heard Chapada Diamantina - Rd 242 / Rio São José area 12-25, 2 heard Caetité 12-28
- 450 **Golden-crowned Warbler** *Basileuterus culicivorus auricapilla*
1 Meruoca - Sitio Bonfin 12-12, 3 Meruoca - Sitio Floresta 12-13, 2 Guaramiranga 12-14, 1 Guaramiranga 12-15, 1 Arajara Water Park 12-17, 2 Caetité 12-28, 2 Boa Nova - wet forest 12-29, Serra do Arrepio 12-30, 4 Timorante Forest 12-31, 1 Boa Nova - wet forest 12-31, 2 Boa Nova - wet forest 01-01
- 451 **Red-crowned Ant Tanager** *Habia rubica bahiae*
3 Boa Nova - wet forest 12-29, 1 +1 heard Timorante Forest 12-31, 1 Boa Nova - wet forest 12-31, 2 Boa Nova - wet forest 01-01, 1 Serra Bonita 01-03, 2 Serra Bonita 01-04
- 452 **Yellow-green Grosbeak** *Caryothraustes canadensis frontalis / brasiliensis*:
1 heard Murici 12-20, 6 Boa Nova - wet forest 12-29 , 5 Serra do Arrepio 12-30 , 2 heard Veracel 01-06
- 453 **Ultramarine Grosbeak** *Cyanoloxia brissonii brissonii*
1 Meruoca - Sitio Floresta 12-12, 1 Potengi - Sitio Nascente 12-16
- 454 **Hooded Tanager** *Nemosia pileata caerulea*
1 Lake S of Meruoca 12-13, 1 União dos Palmares - Quilombo Hotel 12-19
- 455 **Scarlet-throated Tanager** *Compsothraupis loricata* **Endemic**
13 + 1 heard Potengi - Sitio Pau Preto 12-16, 1 Potengi - Sitio Nascente 12-16, 2 Lencois 12-24, 3 Lajedo 12-30
- 456 **Serra Finch** *Embernagra longicauda* **Endemic**
2 Chapada Diamantina - Morro do Pai Inacio 12-25
- 457 **Wedge-tailed Grass Finch** *Emberizoides herbicola herbicola*
2 dirt road Palmeiras - Mucugé 12-25, 1 Chapada Diamantina - Morro do Pai Inacio 12-26, 3 Agua Boa 01-09

- 458 **Blue Finch** *Porphyrospiza caeruleascens* (NT) [Range-restricted](#)
1 Chapada Diamantina - Rd 242 / Rio São José area 12-25
- 459 **Green Honeycreeper** *Chlorophanes spiza axillaris*
1 Murici 12-20, 1 Santa Antonio Farm 01-02, 1 Serra Bonita 01-02
- 460 **Guira Tanager** *Hemithraupis guira guira*
1 União dos Palmares - Quilombo Hotel 12-19
- 461 **Rufous-headed Tanager** *Hemithraupis ruficapilla bahiae* **Endemic**
1 Boa Nova - wet forest 12-29, 3 Nova Canaa 12-30, 1 Timorante Forest 12-31, 1 Boa Nova - wet forest 01-01, 1 Serra Bonita 01-03
- 462 **Blue Dacnis** *Dacnis cayana paraguayensis*
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- 463 **Black-throated Saltator** *Saltatricula atricollis* [Range-restricted](#)
1 Canudos - caatinga S of town 12-17, 2 dirt road Palmeiras - Mucugé 12-25, 3 Chapada Diamantina - Morro do Pai Inacio 12-26, 1 Guiné 12-26
- 464 **Green-winged Saltator** *Saltator similis similis / ochraceiventris*
1 Bom Jesus da Lapa 12-27 , 1 Boa Nova - wet forest 12-31, 1 Veracel 01-06
- 465 **Buff-throated Saltator** *Saltator maximus maximus*
1 Murici 12-20, 1 Crasto 12-24, 1 Serra Bonita 01-03, 1 Serra Bonita 01-04, 2 Veracel 01-06, 1 Veracel 01-07
- 466 **Black-throated Grosbeak** *Saltator fuliginosus* [Range-restricted](#)
2 Boa Nova - wet forest 12-31, 1 Serra Bonita 01-03, 1 Serra Bonita 01-03
- 467 **Bananaquit** *Coereba flaveola chloropyga*
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- 468 **Sooty Grassquit** *Asemospiza fuliginosa*
1 Nova Canaa 12-30, 1 Serra Bonita 01-03, 1 Serra Bonita 01-04
- 469 **Blue-black Grassquit** *Volatinia jacarina jacarina*
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- 470 **Black-goggled Tanager** *Trichothraupis melanops* [Range-restricted](#)
2 Boa Nova - wet forest 12-29, 1 Timorante Forest 12-31, 1 Boa Nova - wet forest 01-01
- 471 **Flame-crested Tanager** *Loriotus cristatus brunneus*
1 Frei Caneca 12-21, 1 Timorante Forest 12-31, 1 Serra Bonita 01-04
- 472 **Grey Pileated Finch** *Coryphospingus pileatus pileatus* [Range-restricted](#)
2 Meruoca - Sitio Floresta 12-12, 1 Lake S of Meruoca 12-13, 15 Potengi - Sitio Pau Preto 12-16, 1 Jeremoabo 12-19, 1 Caetité 12-28, 1 Lajedo Rocky Outcrop 12-29
- 473 **White-lined Tanager** *Tachyphonus rufus*
1 Canudos - caatinga S of town 12-17, 1 P'edro D'anta 12-22, 1 En route 12-25, 1 Nova Canaa 12-30, 1 Lajedo 12-30

- 474 **Brazilian Tanager** *Ramphocelus bresilia* **Endemic**
1 P'edro D'anta 12-22, 1 Timorante Forest 12-31
- 475 **Yellow-bellied Seedeater** *Sporophila nigricollis nigricollis*
1 Guaramiranga 12-14, 1 P'edro D'anta 12-22, 1 Palmeiras 12-25, 1 Mucugé 12-27
- 476 **Dubois's Seedeater** *Sporophila ardesiaca* **Endemic**
1 dirt road Palmeiras - Mucugé 12-26, 1 Boa Nova - wet forest 12-28, 1 Nova Canaa 12-30,
2 Serra Bonita 01-02
- 477 **Chestnut-bellied Seed Finch** *Sporophila angolensis angolensis*
5 Canudos - caatinga S of town 12-17, 1 Timorante Forest 12-31
- 478 **Temminck's Seedeater** *Sporophila falcirostris* (VU) **Range-restricted**
2 + 1 heard Timorante Forest 12-31
- 479 **Buffy-fronted Seedeater** *Sporophila frontalis* (VU) **Range-restricted**
10 + 1 heard Timorante Forest 12-31
- 480 **Plumbeous Seedeater** *Sporophila plumbea plumbea*
2 Chapada Diamantina - Morro do Pai Inacio 12-25, 1 dirt road Palmeiras - Mucugé 12-25,
3 Guiné 12-26, 1 dirt road Palmeiras - Mucugé 12-27, 1 Timorante Forest 12-31
- 481 **White-throated Seedeater** *Sporophila albogularis* **Endemic**
1 Guaramiranga 12-15, 9 Potengi - Sitio Pau Preto 12-16, 1 dirt road Palmeiras - Mucugé 12-27
- 482 **White-bellied Seedeater** *Sporophila leucoptera cinereola* **Range-restricted**
1 dirt road Palmeiras - Mucugé 12-27, Agua Boa 01-09
- 483 **Copper Seedeater** *Sporophila bouvreuil* **Range-restricted**
3 dirt road Palmeiras - Mucugé 12-27
- 484 **Orange-headed Tanager** *Thlypopsis sordida sordida*
1 Lake S of Meruoca 12-13, 1 Guaramiranga 12-14, 1 União dos Palmares - Quilombo Hotel
12-19
- 485 **Bicolored Conebill** *Conirostrum bicolor bicolor*
3 Porto Seguro 01-06, 2 Porto Seguro 01-07
- 486 **Chestnut-vented Conebill** *Conirostrum speciosum speciosum*
1 Potengi - Sitio Pau Preto 12-16, 1 Nova Canaa 12-30
- 487 **Stripe-tailed Yellow Finch** *Sicalis citrina citrina*
1 Chapada Diamantina - Morro do Pai Inacio 12-25
- 488 **Saffron Finch** *Sicalis flaveola brasiliensis*
5 Sobral 12-12, 1 Boa Nova - wet forest 12-28, 2 Timorante Forest 12-31, 2 Santa Antonio
Farm 01-02, 5 Veracel 01-07
- 489 **Grassland Yellow Finch** *Sicalis luteola chapmani*
1 Chapada Diamantina - Morro do Pai Inacio 12-25, 1 Mucugê 12-26, 1 Guiné 12-27
- 490 **Shrike-like Tanager** *Neothraupis fasciata* (NT) **Range-restricted**
1 Guiné 12-26, 1 Mucugé 12-26, 1 Guiné 12-27

- 491 **Magpie Tanager** *Cissopis leverianus major*
3 Serra Bonita 01-03
- 492 **Cinnamon Tanager** *Schistochlamys ruficapillus capistrata* **Range-restricted**
2 Canudos Biological Station 12-18, 4 Chapada Diamantina - Morro do Pai Inacio 12-25, 1 Chapada Diamantina - Rd 242 / Rio São José area 12-25, 2 dirt road Palmeiras - Mucugê 12-25, 2 Chapada Diamantina - Morro do Pai Inacio 12-26, 1 Mucugê 12-26
- 493 **Red-cowled Cardinal** *Paroaria dominicana* **Endemic**
1 Lake S of Meruoca 12-12, 3 Meruoca - Sitio Floresta 12-12, 1 Lake S of Meruoca 12-13, 1 En route 12-13, 22 Potengi - Sitio Pau Preto 12-16, 20 En route 12-18, 20 Lençóis 12-24, 2 Chapada Diamantina - Rd 242 / Rio São José area 12-25, 1 Guiné 12-26, 1 Santa Antonio Farm 01-02, 1 Porto Seguro 01-06
- 494 **Sayaca Tanager** *Thraupis sayaca sayaca*
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- 495 **Azure-shouldered Tanager** *Thraupis cyanoptera* **Endemic**
2 Serra Bonita 01-02, 2 Serra Bonita 01-03, 1 Serra Bonita 01-04
- 496 **Golden-chevroned Tanager** *Thraupis ornata* **Endemic**
1 Boa Nova - wet forest 12-28, 2 Timorante Forest 12-31, 1 Serra Bonita 01-02, 2 Serra Bonita 01-03, 2 Serra Bonita 01-04
- 497 **Palm Tanager** *Thraupis palmarum palmarum*
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- 498 **Burnished-buff Tanager** *Stilpnia cayana flava*
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- 499 **Seven-colored Tanager** *Tangara fastuosa* (VU) **Endemic**
1 Murici 12-20, 9 Frei Caneca 12-21
- 500 **Green-headed Tanager** *Tangara seledon* **Range-restricted**
4 Santa Antonio Farm 01-02, 6 Serra Bonita 01-03, 5 Serra Bonita 01-04, 5 Serra Bonita 01-05
- 501 **Red-necked Tanager** *Tangara cyanocephala cearensis / cyanocephala* **Range-restricted**
4 Guaramiranga 12-14, 2 Guaramiranga - Hotel Remanso 12-14, 1 Guaramiranga - Hotel Remanso 12-15, 3 Timorante Forest 12-31, 6 Serra Bonita 01-02, 7 Serra Bonita 01-03, 12 Serra Bonita 01-04, 10 Serra Bonita 01-05
- 502 **Gilt-edged Tanager** *Tangara cyanoventris* **Endemic**
2 Chapada Diamantina - Rd 242 / Rio São José area 12-25, 6 Boa Nova - wet forest 12-29, 2 Serra do Arrepio 12-30, 3 Serra do Arrepio 12-30, 5 Nova Canaa 12-30, 4 Timorante Forest 12-31, 2 Boa Nova - wet forest 12-31, 2 Boa Nova - wet forest 01-01
- 503 **Turquoise Tanager** *Tangara mexicana brasiliensis*
6 Veracel 01-06, 2 Veracel 01-07
- 504 **Opal-rumped Tanager** *Tangara velia cyanomelas*
1 Frei Caneca 12-21, 2 Santa Antonio Farm 01-02, 3 Veracel 01-06