

# CANOPY TOWER & LODGE TRIP LISTS

January 1995 – January 2009



**Crimson-backed Tanager (C. Bethancourt), Golden-collared Manakin (A. Brinly) & Red-legged Honeycreeper (D. Drake)**

Prepared by

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This **TRIP LIST** was prepared for potential participants in **PANAMA'S CANOPY TOWER & CANOPY LODGE** tour led by Jeri Langham and co-led by Carlos Bethancourt. We will use the 1989 *A Guide to the Birds of Panama with Costa Rica, Nicaragua, and Honduras* by Robert S. Ridgely and John A. Gwynne, Jr. to identify our birds. The order of Families and common names in my Trip List are those given by the American Ornithologists' Union *Checklist of North American Birds*, 7<sup>th</sup> edition and incorporates changes through the 47<sup>th</sup> Supplement. This Trip List includes ALL species found in the entire country and thus only some are possible in the areas we visit on this tour. VENT does offer several other tours to Panama that would enable you to see additional species--check the VENT Catalog or Web site (<http://www.ventbird.com>).

**COLUMN I** is designed to give you a **realistic** idea of which species we were likely to encounter. A "blank" or "1" through "14" indicates the number of **FOURTEEN CANOPY TOWER & CANOPY LODGE** VENT trips that recorded each species. When two numbers (e.g. 4,1) are separated by a comma, the first represents the number of tours in which the species was seen and the second represents the number of tours in which the bird was only heard during the tour.

**COLUMN II** indicates the birds that were seen (x) or only heard (h) on the most recent tour. We only get to visit many areas once and hence weather variables that cannot be controlled may influence our success at finding species that are only at one location. Therefore, Column I is far more valuable to you in terms of estimating your probability of seeing each species than just looking at what was seen on the most recent tour.

Come join Carlos and me for a great Neotropical experience!

Jeri M. Langham  
20 January 2009

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	COMMON NAME	SCIENTIFIC NAME	I	II
1	<b>Tinamous</b>	<b>Tinamidae</b>		
2	Highland Tinamou	<i>Nothocercus bonapartei</i>		
3	Great Tinamou	<i>Tinamus major</i>	7,7	h
4	Little Tinamou	<i>Crypturellus soui</i>	1,6	h
5	<b>Ducks, Geese &amp; Swans</b>	<b>Anatidae</b>		
6	Black-bellied Whistling-Duck	<i>Dendrocygna autumnalis</i>	3	x
7	Muscovy Duck	<i>Cairina moschata</i>	1	x
8	Blue-winged Teal	<i>Anas discors</i>	3	
9	Lesser Scaup	<i>Aythya affinis</i>	1	
10	Masked Duck	<i>Nomonyx dominicus</i>		
11	<b>Guan, Chachalacas &amp; Allies</b>	<b>Cracidae</b>		
12	Gray-headed Chachalaca	<i>Ortalis cinereiceps</i>	12	x
13	Crested Guan	<i>Penelope purpurascens</i>		
14	Black Guan	<i>Chamaepetes unicolor</i>		
15	Great Curassow	<i>Crax rubra</i>		
16	<b>New World Quail</b>	<b>Odontophoridae</b>		
17	Crested Bobwhite	<i>Colinus cristatus</i>		
18	Marbled Wood-Quail	<i>Odontophorus gujanensis</i>		
19	Black-eared Wood-Quail	<i>Odontophorus melanotis</i>	1	
20	Tawny-faced Quail	<i>Rhynchortyx cinctus</i>		
21	<b>Grebes</b>	<b>Podicipedidae</b>		
22	Least Grebe	<i>Tachybaptus dominicus</i>	4	
23	Pied-billed Grebe	<i>Podilymbus podiceps</i>	3	
24	<b>Gannets &amp; Boobies</b>	<b>Sulidae</b>		
25	Blue-footed Booby	<i>Sula nebouxii</i>		
26	Brown Booby	<i>Sula leucogaster</i>		
27	<b>Pelicans</b>	<b>Pelecanidae</b>		
28	Brown Pelican	<i>Pelecanus occidentalis</i>	14	x
29	<b>Cormorants</b>	<b>Phalacrocoracidae</b>		
30	Neotropic Cormorant	<i>Phalacrocorax brasilianus</i>	12	x
31	<b>Anhingas</b>	<b>Anhingidae</b>		
32	Anhinga	<i>Anhinga anhinga</i>	9	x
33	<b>Frigatebirds</b>	<b>Fregatidae</b>		
34	Magnificent Frigatebird	<i>Fregata magnificens</i>	14	x
35	<b>Hérons, Egrets &amp; Bitterns</b>	<b>Ardeidae</b>		
36	Least Bittern	<i>Ixobrychus exilis</i>	1	
37	Rufescent Tiger-Heron	<i>Tigrisoma lineatum</i>	11	x
38	Fasciated Tiger-Heron	<i>Tigrisoma fasciatum</i>		
39	Bare-throated Tiger-Heron	<i>Tigrisoma mexicanum</i>		
40	Great Blue Heron	<i>Ardea herodias</i>	14	x

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1	Cocoi Heron	<i>Ardea cocoi</i>	6	x
2	Great Egret	<i>Ardea alba</i>	14	x
3	Snowy Egret	<i>Egretta thula</i>	14	x
4	Little Blue Heron	<i>Egretta caerulea</i>	14	x
5	Tricolored Heron	<i>Egretta tricolor</i>	14	x
6	Reddish Egret	<i>Egretta rufescens</i>	2	
7	Cattle Egret	<i>Bubulcus ibis</i>	14	x
8	Green Heron	<i>Butorides virescens</i>	13	x
9	Striated Heron	<i>Butorides striatus</i>	10	
10	Agami Heron	<i>Agamia agami</i>		
11	Capped Heron	<i>Pilherodius pileatus</i>	3	
12	Black-crowned Night-Heron	<i>Nycticorax nycticorax</i>	9	x
13	Yellow-crowned Night-Heron	<i>Nyctanassa violacea</i>	7	
14	Boat-billed Heron	<i>Cochlearius cochlearius</i>	12	x
15	<b>Ibises &amp; Spoonbills</b>	<b>Threskiornithidae</b>		
16	White Ibis	<i>Eudocimus albus</i>	9	x
17	Glossy Ibis	<i>Plegadis falcinellus</i>	2	
18	Roseate Spoonbill	<i>Platalea ajaja</i>	1	
19	<b>Storks</b>	<b>Ciconiidae</b>		
20	Wood Stork	<i>Mycteria americana</i>	7	
21	<b>New World Vultures</b>	<b>Cathartidae</b>		
22	Black Vulture	<i>Coragyps atratus</i>	14	x
23	Turkey Vulture	<i>Cathartes aura</i>	14	x
24	Lesser Yellow-headed Vulture	<i>Cathartes burrovianus</i>	4	
25	King Vulture	<i>Sarcoramphus papa</i>	11	
26	<b>Hawks, Eagles &amp; Kites</b>	<b>Accipitridae</b>		
27	Osprey	<i>Pandion haliaetus</i>	14	x
28	Gray-headed Kite	<i>Leptodon cayanensis</i>	9	x
29	Hook-billed Kite	<i>Chondrohierax uncinatus</i>	4	x
30	Swallow-tailed Kite	<i>Elanoides forficatus</i>	6	
31	Pearl Kite	<i>Gampsonyx swainsonii</i>	5	x
32	White-tailed Kite	<i>Elanus leucurus</i>	10	x
33	Snail Kite	<i>Rostrhamus sociabilis</i>	13	x
34	Double-toothed Kite	<i>Harpagus bidentatus</i>	11	x
35	Mississippi Kite	<i>Ictinia mississippiensis</i>	2	
36	Plumbeous Kite	<i>Ictinia plumbea</i>	5	
37	Northern Harrier	<i>Circus cyaneus</i>	1	
38	Tiny Hawk	<i>Accipiter superciliosus</i>	1	
39	Sharp-shinned Hawk	<i>Accipiter striatus</i>		
40	Bicolored Hawk	<i>Accipiter bicolor</i>		

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1	Crane Hawk	<i>Geranospiza caerulescens</i>	9	x
2	Plumbeous Hawk	<i>Leucopternis plumbeus</i>		
3	Semiplumbeous Hawk	<i>Leucopternis semiplumbeus</i>	7	x
4	White Hawk	<i>Leucopternis albicollis</i>	12	x
5	Common Black-Hawk	<i>Buteogallus anthracinus</i>	11	x
6	Mangrove Black-Hawk (lumped)	<i>Buteogallus subtilis</i>	1	
7	Great Black-Hawk	<i>Buteogallus urubitinga</i>	5	x
8	Savanna Hawk	<i>Buteogallus meridionalis</i>	8	x
9	Roadside Hawk	<i>Buteo magnirostris</i>	12	x
10	Broad-winged Hawk	<i>Buteo platypterus</i>	13	x
11	Gray Hawk	<i>Asturina nitidus</i>	10	
12	Short-tailed Hawk	<i>Buteo brachyurus</i>	14	x
13	Swainson's Hawk	<i>Buteo swainsoni</i>	1	
14	White-tailed Hawk	<i>Buteo albicaudatus</i>		
15	Zone-tailed Hawk	<i>Buteo albonotatus</i>	9	x
16	Red-tailed Hawk	<i>Buteo jamaicensis</i>		
17	Black Hawk-Eagle	<i>Spizaetus tyrannus</i>	9	x
18	Ornate Hawk-Eagle	<i>Spizaetus ornatus</i>		
19	Black-and-white Hawk-Eagle	<i>Spizastur melanoleucus</i>	2	
20	<b>Caracaras &amp; Falcons</b>	<b>Falconidae</b>		
21	Barred Forest-Falcon	<i>Micrastur ruficollis</i>	1,5	h
22	Slaty-backed Forest-Falcon	<i>Micrastur mirandollei</i>	5,4	h
23	Collared Forest-Falcon	<i>Micrastur semitorquatus</i>	5,6	x
24	Crested Caracara	<i>Caracara cheriway</i>	11	x
25	Yellow-headed Caracara	<i>Milvago chimachima</i>	14	x
26	Laughing Falcon	<i>Herpetotheres cachinnans</i>	1	
27	American Kestrel	<i>Falco sparverius</i>	6	x
28	Merlin	<i>Falco columbarius</i>	1	
29	Aplomado Falcon	<i>Falco femoralis</i>	2	x
30	Bat Falcon	<i>Falco ruficularis</i>	10,2	x
31	Peregrine Falcon	<i>Falco peregrinus</i>	8	
32	<b>Rails, Gallinules &amp; Coots</b>	<b>Rallidae</b>		
33	White-throated Crake	<i>Laterallus albigularis</i>	9,5	h
34	Gray-breasted Crake	<i>Laterallus exilis</i>		
35	Gray-necked Wood-Rail	<i>Aramides cajanea</i>	8,1	x
36	Sora	<i>Porzana carolina</i>	1	
37	Yellow-breasted Crake	<i>Porzana flaviventer</i>		
38	Purple Gallinule	<i>Porphyrio martinica</i>	13	
39	Common Moorhen	<i>Gallinula chloropus</i>	13	x
40	American Coot	<i>Fulica americana</i>		

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	COMMON NAME	SCIENTIFIC NAME	I	II
1	<b>Sungrebe &amp; Finfoots</b>	<b>Heliornithidae</b>		
2	Sungrebe	<i>Heliornis fulica</i>		
3	<b>Sunbittern</b>	<b>Eurypygidae</b>		
4	Sunbittern	<i>Eurypyga helias</i>	1	
5	<b>Limpkin</b>	<b>Aramidae</b>		
6	Limpkin	<i>Aramus guarauna</i>	4	x
7	<b>Plovers &amp; Lapwings</b>	<b>Charadriidae</b>		
8	Southern Lapwing	<i>Vanellus chilensis</i>	10	x
9	Black-bellied Plover	<i>Pluvialis squatarola</i>	9	x
10	American Golden-Plover	<i>Pluvialis dominica</i>		
11	Collared Plover	<i>Charadrius collaris</i>	1	
12	Wilson's Plover	<i>Charadrius wilsonia</i>	1	
13	Semipalmated Plover	<i>Charadrius semipalmatus</i>	4	x
14	Killdeer	<i>Charadrius vociferus</i>	1	
15	<b>Stilts &amp; Avocets</b>	<b>Recurvirostridae</b>		
16	Black-necked Stilt	<i>Himantopus mexicanus</i>	6	x
17	<b>Jaçanas</b>	<b>Jacanidae</b>		
18	Northern Jaçana	<i>Jacana spinosa</i>		
19	Wattled Jaçana	<i>Jacana jacana</i>	14	x
20	<b>Sandpipers &amp; Allies</b>	<b>Scolopacidae</b>		
21	Spotted Sandpiper	<i>Actitis macularius</i>	12	x
22	Solitary Sandpiper	<i>Tringa solitaria</i>	12	
23	Greater Yellowlegs	<i>Tringa melanoleuca</i>	8	x
24	Willet	<i>Tringa semipalmatus</i>	9	x
25	Lesser Yellowlegs	<i>Tringa flavipes</i>	6	x
26	Whimbrel	<i>Numenius phaeopus</i>	10	x
27	Marbled Godwit	<i>Limosa fedoa</i>	5	x
28	Ruddy Turnstone	<i>Arenaria interpres</i>	5	
29	Surfbird	<i>Aphriza virgata</i>	2	
30	Red Knot	<i>Calidris canutus</i>	7	
31	Sanderling	<i>Calidris alba</i>	1	
32	Semipalmated Sandpiper	<i>Calidris pusilla</i>	2	
33	Western Sandpiper	<i>Calidris mauri</i>	7	x
34	Least Sandpiper	<i>Calidris minutilla</i>	6	x
35	Pectoral Sandpiper	<i>Calidris melanotos</i>		
36	Stilt Sandpiper	<i>Calidris himantopus</i>	2	
37	Short-billed Dowitcher	<i>Limnodromus griseus</i>	9	x
38	Long-billed Dowitcher	<i>Limnodromus scolopaceus</i>	3	x
39	Wilson's Phalarope	<i>Phalaropus tricolor</i>	1	
40	Red-necked Phalarope	<i>Phalaropus lobatus</i>		

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	<b>COMMON NAME</b>	<b>SCIENTIFIC NAME</b>	<b>I</b>	<b>II</b>
1	<b>Gulls &amp; Terns</b>	<b>Laridae</b>		
2	Laughing Gull	<i>Larus atricilla</i>	14	x
3	Franklin's Gull	<i>Larus pipixcan</i>	9	x
4	Ring-billed Gull	<i>Larus delawarensis</i>	2	x
5	Herring Gull	<i>Larus argentatus</i>	4	x
6	Least Tern	<i>Sternula antillarum</i>		
7	Gull-billed Tern	<i>Gelochelidon nilotica</i>	5	x
8	Caspian Tern	<i>Hydroprogne caspia</i>	2	
9	Black Tern	<i>Chlidonias niger</i>	2	
10	Common Tern	<i>Sterna hirundo</i>	2	x
11	Royal Tern	<i>Thalasseus maxima</i>	10	x
12	Sandwich Tern	<i>Thalasseus sandvicensis</i>	8	x
13	Elegant Tern	<i>Thalasseus elegans</i>	5	x
14	Black Skimmer	<i>Rynchops niger</i>	3	x
15	<b>Skuas &amp; Jaegers</b>	<b>Stercorariidae</b>		
16	Pomarine Jaeger	<i>Stercorarius pomarinus</i>		
17	Parasitic Jaeger	<i>Stercorarius parasiticus</i>		
18	<b>Pigeons &amp; Doves</b>	<b>Columbidae</b>		
19	Rock Pigeon (I)	<i>Columba livia</i>	14	x
20	Pale-vented Pigeon	<i>Patagioenas cayennensis</i>	14	x
21	Scaled Pigeon	<i>Patagioenas speciosa</i>	13	x
22	Ruddy Pigeon	<i>Patagioenas subvinacea</i>	1	
23	Short-billed Pigeon	<i>Patagioenas nigrirostris</i>	9,1	
24	Mourning Dove	<i>Zenaida macroura</i>	2	x
25	Plain-breasted Ground-Dove	<i>Columbina minuta</i>	3	
26	Ruddy Ground-Dove	<i>Columbina talpacoti</i>	13	x
27	Blue Ground-Dove	<i>Claravis pretiosa</i>	3,3	h
28	Maroon-chested Ground-Dove	<i>Claravis mondetoura</i>		
29	White-tipped Dove	<i>Leptotila verreauxi</i>	13	x
30	Gray-chested Dove	<i>Leptotila cassini</i>	10	x
31	Olive-backed Quail-Dove	<i>Geotrygon veraguensis</i>		
32	Chiriqui Quail-Dove	<i>Geotrygon chiriquensis</i>		
33	Purplish-backed Quail-Dove	<i>Geotrygon violacea</i>	2	x
34	Violaceous Quail-Dove	<i>Geotrygon violacea</i>		
35	Ruddy Quail-Dove	<i>Geotrygon montana</i>		
36	<b>Parrots, Macaws &amp; Allies</b>	<b>Psittacidae</b>		
37	Sulphur-winged Parakeet	<i>Pyrrhura hoffmanni</i>		
38	Brown-throated Parakeet	<i>Aratinga pertinax</i>	8	x
39	Barred Parakeet	<i>Bolborhynchus lineola</i>		
40	Orange-chinned Parakeet	<i>Brotogeris jugularis</i>	14	x

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	COMMON NAME	SCIENTIFIC NAME	I	II
1	Blue-fronted Parrotlet	<i>Touit dilectissimus</i>	1,1	
2	Brown-hooded Parrot	<i>Pionopsitta haematotis</i>	9	x
3	Blue-headed Parrot	<i>Pionus menstruus</i>	14	x
4	White-crowned Parrot	<i>Pionus senilis</i>		
5	Red-lored Parrot	<i>Amazona autumnalis</i>	14	x
6	Mealy Parrot	<i>Amazona farinosa</i>	12,1	x
7	Yellow-crowned Parrot	<i>Amazona ochrocephala</i>	5	
8	<b>Cuckoos</b>	<b>Cuculidae</b>		
9	Little Cuckoo	<i>Coccyua minuta</i>		
10	Squirrel Cuckoo	<i>Piaya cayana</i>	14	x
11	Yellow-billed Cuckoo	<i>Coccyzus americanus</i>	1	
12	Mangrove Cuckoo	<i>Coccyzus minor</i>	2	
13	Striped Cuckoo	<i>Tapera naevia</i>	3,1	h
14	Pheasant Cuckoo	<i>Dromococcyx phasianellus</i>	0,1	
15	Rufous-vented Ground-Cuckoo	<i>Neomorphus geoffroyi</i>		
16	Greater Ani	<i>Crotophaga major</i>	14	x
17	Smooth-billed Ani	<i>Crotophaga ani</i>	14	x
18	Groove-billed Ani	<i>Crotophaga sulcirostris</i>	4	x
19	<b>Barn Owls</b>	<b>Tytonidae</b>		
20	Barn Owl	<i>Tyto alba</i>		
21	<b>Typical Owls</b>	<b>Strigidae</b>		
22	Tropical Screech-Owl	<i>Megascops choliba</i>	2,1	x
23	Vermiculated Screech-Owl	<i>Megascops guatemalae</i>		
24	Bare-shanked Screech-Owl	<i>Megascops clarkii</i>		
25	Choco Screech-Owl	<i>Megascops chocoensis</i>	3,3	h
26	Crested Owl	<i>Lophotrix cristata</i>	2	
27	Spectacled Owl	<i>Pulsatrix perspicillata</i>	10	x
28	Ferruginous Pygmy-Owl	<i>Glaucidium brasilianum</i>	6	x
29	Mottled Owl	<i>Ciccaba virgata</i>	2,7	h
30	Black-and-white Owl	<i>Ciccaba nigrolineata</i>		
31	Striped Owl	<i>Pseudoscops clamator</i>		
32	<b>Nightjars &amp; Allies</b>	<b>Caprimulgidae</b>		
33	Short-tailed Nighthawk	<i>Lurocalis semitorquatus</i>	1	
34	Lesser Nighthawk	<i>Chordeiles acutipennis</i>	1	
35	Common Nighthawk	<i>Chordeiles minor</i>	2,1	h
36	Common Pauraque	<i>Nyctidromus albicollis</i>	6	x
37	Chuck-will's-widow	<i>Caprimulgus carolinensis</i>		
38	Rufous Nightjar	<i>Caprimulgus rufus</i>		
39	Dusky Nightjar	<i>Caprimulgus saturatus</i>		
40	White-tailed Nightjar	<i>Caprimulgus cayennensis</i>		

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1	<b>Potoos</b>	<b>Nyctibiidae</b>		
2	Great Potoo	<i>Nyctibius grandis</i>	8	x
3	Common Potoo	<i>Nyctibius griseus</i>	4	x
4	<b>Swifts</b>	<b>Apodidae</b>		
5	Chestnut-collared Swift	<i>Streptoprocne rutila</i>		
6	White-collared Swift	<i>Streptoprocne zonaris</i>	5	x
7	Chimney Swift	<i>Chaetura pelagica</i>		
8	Vaux's Swift	<i>Chaetura vauxi</i>	1	x
9	Short-tailed Swift	<i>Chaetura brachyura</i>	14	x
10	Band-rumped Swift	<i>Chaetura spinicauda</i>	13	x
11	Lesser Swallow-tailed Swift	<i>Panyptila cayennensis</i>	12	
12	<b>Hummingbirds</b>	<b>Trochilidae</b>		
13	Bronzy Hermit	<i>Glaucis aeneus</i>		
14	Rufous-breasted Hermit	<i>Glaucis hirsutus</i>	2	
15	Band-tailed Barbthroat	<i>Threnetes ruckeri</i>	2	
16	Green Hermit	<i>Phaethornis guy</i>	10	x
17	Long-billed Hermit	<i>Phaethornis longirostris</i>	13	x
18	Pale-bellied Hermit	<i>Phaethornis anthophilus</i>	2	
19	Stripe-throated Hermit (split)	<i>Phaethornis striigularis</i>	10	x
20	White-tipped Sicklebill	<i>Eutoxeres aquila</i>	1,1	
21	Green-fronted Lancebill	<i>Doryfera ludovicae</i>		
22	Scaly-breasted Hummingbird	<i>Phaeochroa cuvierii</i>		
23	Violet Sabrewing	<i>Campylopterus hemileucurus</i>		
24	White-necked Jacobin	<i>Florisuga mellivora</i>	14	x
25	Brown Violet-ear	<i>Colibri delphinae</i>		
26	Black-throated Mango	<i>Anthracothorax nigricollis</i>	13	x
27	Veraguan Mango	<i>Anthracothorax veraguensis</i>	4	x
28	Violet-headed Hummingbird	<i>Klais guimeti</i>	7	x
29	Rufous-crested Coquette	<i>Lophornis delattrei</i>	5	x
30	Green Thorntail	<i>Discosura conversii</i>	1	x
31	Garden Emerald	<i>Chlorostilbon assimilis</i>	5	
32	Violet-crowned Woodnymph (split)	<i>Thalurania colombica</i>	10	x
33	Fiery-throated Hummingbird	<i>Panterpe insignis</i>		
34	Violet-bellied Hummingbird	<i>Damophila julie</i>	14	x
35	Sapphire-throated Hummingbird	<i>Lepidopyga coeruleogularis</i>	8	x
36	Blue-throated Goldentail	<i>Hylocharis eliciae</i>		
37	Violet-capped Hummingbird	<i>Goldmania violiceps</i>	6	
38	Blue-chested Hummingbird	<i>Amazilia amabilis</i>	12	x
39	Charming Hummingbird	<i>Amazilia decora</i>		
40	Snowy-bellied Hummingbird	<i>Amazilia edward</i>	14	

PANAMA: CANOPY TOWER and EL VALLE TRIP LISTS

	COMMON NAME	SCIENTIFIC NAME	I	II
1	Rufous-tailed Hummingbird	<i>Amazilia tzacatl</i>	14	x
2	Stripe-tailed Hummingbird	<i>Eupherusa eximia</i>		
3	White-tailed Emerald	<i>Elvira chionura</i>	2	x
4	Snowcap	<i>Microchera albocoronata</i>	6	x
5	White-vented Plumeleteer	<i>Chalybura buffonii</i>	14	x
6	Bronze-tailed Plumeleteer	<i>Chalybura urochrysa</i>	11	x
7	Purple-throated Mountain-gem	<i>Lampornis Calolaemus</i>	4	
8	Green-crowned Brilliant	<i>Heliodoxa jacula</i>	4	x
9	Magnificent Hummingbird	<i>Eugenes fulgens</i>		
10	Purple-crowned Fairy	<i>Heliodyx barroti</i>	12	
11	Long-billed Starthroat	<i>Heliomaster longirostris</i>		
12	Magenta-throated Woodstar	<i>Calliphlox bryantae</i>		
13	Volcano Hummingbird	<i>Selasphorus flammula</i>		
14	Scintillant Hummingbird	<i>Selasphorus scintilla</i>		
15	<b>Trogons</b>	<b>Trogonidae</b>		
16	White-tailed Trogon	<i>Trogon viridis</i>	14	x
17	Violaceous Trogon	<i>Trogon violaceus</i>	14	x
18	Collared Trogon	<i>Trogon collaris</i>		
19	Orange-bellied Trogon	<i>Trogon aurantiiventris</i>	14	x
20	Black-throated Trogon	<i>Trogon rufus</i>	13,1	x
21	Black-tailed Trogon	<i>Trogon melanurus</i>	11,1	x
22	Slaty-tailed Trogon	<i>Trogon massena</i>	14	x
23	Resplendent Quetzal	<i>Pharomachrus mocinno</i>		
24	<b>Motmots</b>	<b>Momotidae</b>		
25	Tody Motmot	<i>Hylomanes momotula</i>	12	x
26	Blue-crowned Motmot	<i>Momotus momota</i>	13	x
27	Rufous Motmot	<i>Baryphthengus martii</i>	13	x
28	Broad-billed Motmot	<i>Electron platyrhynchum</i>	14	x
29	<b>Kingfishers</b>	<b>Alcedinidae</b>		
30	Ringed Kingfisher	<i>Ceryle torquata</i>	14	x
31	Belted Kingfisher	<i>Ceryle alcyon</i>	3	
32	Amazon Kingfisher	<i>Chloroceryle amazona</i>	10	x
33	Green Kingfisher	<i>Chloroceryle americana</i>	14	x
34	Green-and-rufous Kingfisher	<i>Chloroceryle inda</i>	1	x
35	American Pygmy Kingfisher	<i>Chloroceryle aenea</i>	6	x
36	<b>Puffbirds</b>	<b>Bucconidae</b>		
37	Barred Puffbird	<i>Nystalys radiatus</i>		
38	White-necked Puffbird	<i>Notharchus macrorhynchos</i>	11	x
39	Black-breasted Puffbird	<i>Notharchus pectoralis</i>	14	x
40	Pied Puffbird	<i>Notharchus tectus</i>	9,1	x

PANAMA: CANOPY TOWER and EL VALLE TRIP LISTS

	COMMON NAME	SCIENTIFIC NAME	I	II
1	White-whiskered Puffbird	<i>Malacoptila panamensis</i>	14	x
2	Gray-cheeked Nunlet	<i>Nonnula frontalis</i>		
3	<b>Jacamars</b>	<b>Galbulidae</b>		
4	Rufous-tailed Jacamar	<i>Galbula ruficauda</i>		
5	Great Jacamar	<i>Jacamerops aureus</i>	7	
6	<b>Toucans</b>	<b>Ramphastidae</b>		
7	Spot-crowned Barbet (new family)	<i>Capito maculicoronatus</i>	13	x
8	Red-headed Barbet (new family)	<i>Eubucco bourcierii</i>		
9	Prong-billed Barbet (new family)	<i>Semnornis frantzii</i>		
10	Blue-throated Toucanet (to be split)	<i>Aulacorhynchus caeruleogularis</i>	14	x
11	Collared Aracari	<i>Pteroglossus torquatus</i>	14	x
12	Fiery-billed Aracari	<i>Pteroglossus frantzii</i>		
13	Yellow-eared Toucanet	<i>Selenidera spectabilis</i>	7	
14	Keel-billed Toucan	<i>Ramphastos sulfuratus</i>	14	x
15	Chestnut-mandibled Toucan	<i>Ramphastos swainsonii</i>	14	x
16	<b>Woodpeckers &amp; Allies</b>	<b>Picidae</b>		
17	Olivaceous Piculet	<i>Picumnus olivaceus</i>	2	x
18	Acorn Woodpecker	<i>Melanerpes formicivorus</i>		
19	Black-cheeked Woodpecker	<i>Melanerpes pucherani</i>	13	x
20	Red-crowned Woodpecker	<i>Melanerpes rubricapillus</i>	14	x
21	Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	3	
22	Hairy Woodpecker	<i>Picoides villosus</i>		
23	Smoky-brown Woodpecker	<i>Veniliornis fumigatus</i>		
24	Stripe-cheeked Woodpecker	<i>Piculus callopterus</i>	2	x
25	Golden-olive Woodpecker	<i>Piculus rubiginosus</i>		
26	Spot-breasted Woodpecker	<i>Colaptes punctigula</i>		
27	Cinnamon Woodpecker	<i>Celeus loricatus</i>	12	x
28	Lineated Woodpecker	<i>Dryocopus lineatus</i>	13	x
29	Crimson-bellied Woodpecker	<i>Campephilus haematogaster</i>		
30	Crimson-crested Woodpecker	<i>Campephilus melanoleucos</i>	14	x
31	Pale-billed Woodpecker	<i>Campephilus guatemalensis</i>		
32	<b>Broadbills (new)</b>	<b>Eurylimidae (new)</b>		
33	Sapayoa	<i>Sapayoa aenigma</i>		
34	<b>Ovenbirds &amp; Woodcreepers</b>	<b>Furnariidae</b>		
35	Tawny-throated Leaf-tosser	<i>Sclerurus mexicanus</i>		
36	Scaly-throated Leaf-tosser	<i>Sclerurus guatemalensis</i>	1	x
37	Pale-breasted Spinetail	<i>Synallaxis albescens</i>	5	
38	Slaty Spinetail	<i>Synallaxis brachyura</i>		
39	Red-faced Spinetail	<i>Cranioleuca erythrops</i>	10	
40	Spotted Barbtail	<i>Premnoplex brunnescens</i>	11	x

PANAMA: CANOPY TOWER and EL VALLE TRIP LISTS

	COMMON NAME	SCIENTIFIC NAME	I	II
1	Ruddy Treerunner	<i>Margarornis rubiginosus</i>		
2	Buffy Tuftedcheek	<i>Pseudocolaptes lawrencii</i>		
3	Striped Woodhaunter	<i>Hyloctistes subulatus</i>		
4	Lineated Foliage-gleaner	<i>Syndactyla subalaris</i>		
5	Scaly-throated Foliage-gleaner	<i>Anabacerthia variegaticeps</i>		
6	Slaty-winged Foliage-gleaner	<i>Philydor fuscipennis</i>		
7	Buff-fronted Foliage-gleaner	<i>Philydor rufus</i>		
8	Buff-throated Foliage-gleaner	<i>Automolus ochrolaemus</i>	1	
9	Ruddy Foliage-gleaner	<i>Automolus rubiginosus</i>		
10	Streak-breasted Treehunter	<i>Thripadectes rufobrunneus</i>		
11	Plain Xenops	<i>Xenops minutus</i>	14	x
12	Plain-brown Woodcreeper	<i>Dendrocincla fuliginosa</i>	12	x
13	Ruddy Woodcreeper	<i>Dendrocincla homochroa</i>	2	
14	Olivaceous Woodcreeper	<i>Sittasomus griseicapillus</i>	4,1	
15	Long-tailed Woodcreeper	<i>Deconychura longicauda</i>		
16	Wedge-billed Woodcreeper	<i>Glyphorhynchus spirurus</i>	2	
17	Northern Barred-Woodcreeper	<i>Dendrocolaptes sanctithomae</i>	12	x
18	Straight-billed Woodcreeper	<i>Xiphorhynchus picus</i>		
19	Cocoa Woodcreeper	<i>Xiphorhynchus susurrans</i>	14	x
20	Black-striped Woodcreeper	<i>Xiphorhynchus lachrymosus</i>	9	x
21	Spotted Woodcreeper	<i>Xiphorhynchus erythropygius</i>	10	x
22	Streak-headed Woodcreeper	<i>Lepidocolaptes souleyetii</i>	5,1	h
23	Spot-crowned Woodcreeper	<i>Lepidocolaptes affinis</i>		
24	Brown-billed Scythebill	<i>Campylorhamphus pusillus</i>		
25	<b>Typical Antbirds</b>	<b>Thamnophilidae</b>		
26	Fasciated Antshrike	<i>Cymbilaimus lineatus</i>	14	x
27	Great Antshrike	<i>Taraba major</i>	5,2	h
28	Barred Antshrike	<i>Thamnophilus doliatus</i>	13	x
29	Black-hooded Antshrike	<i>Thamnophilus bridgesi</i>		
30	Western Slaty-Antshrike	<i>Thamnophilus atrinucha</i>	14	x
31	Russet Antshrike	<i>Thamnistes anabatinus</i>	1	
32	Plain Antwreos	<i>Dysithamnus mentalis</i>	7	
33	Spot-crowned Antwreos	<i>Dysithamnus puncticeps</i>	3	
34	Moustached Antwren (split)	<i>Myrmotherula ignota</i>	0,1	
35	Pacific Antwren	<i>Myrmotherula pacifica</i>	6	
36	White-flanked Antwren	<i>Myrmotherula axillaris</i>	13	x
37	Slaty Antwren	<i>Myrmotherula schisticolor</i>	10	
38	Checker-throated Antwren	<i>Myrmotherula fulviventris</i>	13	x
39	Dot-winged Antwren	<i>Microrhopias quixensis</i>	10	x
40	Dusky Antbird	<i>Cercomacra tyrannina</i>	14	x

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	COMMON NAME	SCIENTIFIC NAME	I	II
1	Jet Antbird	<i>Cercomacra nigriceps</i>	2,2	h
2	Bare-crowned Antbird	<i>Gymnocichla nudiceps</i>	1,4	
3	White-bellied Antbird	<i>Myrmeciza longipes</i>	13,1	x
4	Chestnut-backed Antbird	<i>Myrmeciza exsul</i>	14	x
5	Dull-mantled Antbird	<i>Myrmeciza laemosticta</i>		
6	Spotted Antbird	<i>Hylophylax naevioides</i>	14	x
7	Wing-banded Antbird	<i>Myrmornis torquata</i>		
8	Bicolored Antbird	<i>Gymnopithys leucaspis</i>	11,1	x
9	Ocellated Antbird	<i>Phaenostictus mcleannani</i>	8,1	x
10	<b>Antthrushes</b>	<b>Formicariidae</b>		
11	Black-faced Antthrush	<i>Formicarius analis</i>	8,6	x
12	Black-headed Antthrush	<i>Formicarius nigricapillus</i>		
13	<b>Gnateaters (new)</b>	<b>Conopagidae (new)</b>		
14	Black-crowned Antpitta	<i>Pittasoma michleri</i>	0,1	
15	<b>Antpittas</b>	<b>Grallariidae</b>		
16	Streak-chested Antpitta	<i>Hylopezus perspicillatus</i>	7,3	h
17	<b>Tapaculos</b>	<b>Rhinocryptidae</b>		
18	Silvery-fronted Tapaculo	<i>Scytalopus argentifrons</i>		
19	<b>Tyrant Flycatchers</b>	<b>Tyrannidae</b>		
20	Brown-capped Tyrannulet	<i>Ornithion brunneicapillus</i>	11	x
21	Southern Beardless-Tyrannulet	<i>Camptostoma obsoletum</i>	13,1	x
22	Mouse-colored Tyrannulet	<i>Phaeomyias murina</i>	2	x
23	Yellow Tyrannulet	<i>Capsiempis flaveola</i>	9	x
24	Yellow-crowned Tyrannulet	<i>Tyrannulus elatus</i>	13	x
25	Forest Elaenia	<i>Myiopagis gaimardii</i>	11,1	x
26	Gray Elaenia	<i>Myiopagis caniceps</i>	2	
27	Greenish Elaenia	<i>Myiopagis viridicata</i>	8	
28	Yellow-bellied Elaenia	<i>Elaenia flavogaster</i>	14	x
29	Lesser Elaenia	<i>Elaenia chiriquensis</i>	2,1	
30	Mountain Elaenia	<i>Elaenia frantzii</i>		
31	Torrent Tyrannulet	<i>Serpophaga cinerea</i>		
32	Olive-striped Flycatcher	<i>Mionectes olivaceus</i>	4	x
33	Ochre-bellied Flycatcher	<i>Mionectes oleagineus</i>	9	x
34	Sepia-capped Flycatcher	<i>Leptopogon amaurocephalus</i>	1	
35	Slaty-capped Flycatcher	<i>Leptopogon superciliaris</i>		
36	Yellow-green Tyrannulet (E)	<i>Phylloscartes flavovirens</i>	5,1	x
37	Rufous-browed Tyrannulet	<i>Phylloscartes superciliaris</i>	2	x
38	Rough-legged Tyrannulet (new)	<i>Phyllomyias burmeisteri</i> (split)		
39	Paltry Tyrannulet	<i>Zimmerius vilissimus</i>	13,1	h
40	Northern Scrub-Flycatcher	<i>Sublegatus arenarum</i>	1	

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	COMMON NAME	SCIENTIFIC NAME	I	II
1	Black-capped Pygmy-Tyrant	<i>Myiornis atricapillus</i>	4,1	x
2	Scale-crested Pygmy-Tyrant	<i>Lophotriccus pileatus</i>	5,5	h
3	Pale-eyed Pygmy-Tyrant	<i>Lophotriccus pilaris</i>	3	x
4	Southern Bentbill	<i>Oncostoma olivaceum</i>	13,1	x
5	Slate-headed Tody-Flycatcher	<i>Poecilotriccus sylvia</i>	4	
6	Common Tody-Flycatcher	<i>Todirostrum cinereum</i>	10	x
7	Black-headed Tody-Flycatcher	<i>Todirostrum nigriceps</i>	9,1	x
8	Brownish Twistwing	<i>Cnipodectes subbrunneus</i>	2,4	x
9	Eye-ringed Flatbill	<i>Rhynchocyclus brevirostris</i>		
10	Olivaceous Flatbill	<i>Rhynchocyclus olivaceus</i>	10	x
11	Yellow-olive Flycatcher	<i>Tolmomyias sulphurescens</i>	7	x
12	Yellow-margined Flycatcher	<i>Tolmomyias assimilis</i>	10,1	x
13	White-throated Spadebill	<i>Platyrinchus mystaceus</i>		
14	Golden-crowned Spadebill	<i>Platyrinchus coronatus</i>	1,2	
15	Royal Flycatcher	<i>Onychorhynchus coronatus</i>	5	
16	Ruddy-tailed Flycatcher	<i>Terenotriccus erythrurus</i>	13	x
17	Sulphur-rumped Flycatcher	<i>Myiobius sulphureipygius</i>	4	
18	Black-tailed Flycatcher	<i>Myiobius atricaudus</i>	6	
19	Bran-colored Flycatcher	<i>Myiophobus fasciatus</i>	3	x
20	Tufted Flycatcher	<i>Mitrephanes phaeocercus</i>	4	x
21	Olive-sided Flycatcher	<i>Contopus cooperi</i>	1	x
22	Dark Pewee	<i>Contopus lugubris</i>		
23	Ochraceous Pewee	<i>Contopus ochraceus</i>		
24	Western Wood-Pewee	<i>Contopus sordidulus</i>		
25	Eastern Wood-Pewee	<i>Contopus virens</i>	2	
26	Tropical Pewee	<i>Contopus cinereus</i>	4	x
27	Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>	1	
28	Acadian Flycatcher	<i>Empidonax virescens</i>	5,1	x
29	Willow Flycatcher	<i>Empidonax traillii</i>		
30	Yellowish Flycatcher	<i>Empidonax flavescens</i>		
31	Black-capped Flycatcher	<i>Empidonax atriceps</i>		
32	Black Phoebe	<i>Sayornis nigricans</i>	7	x
33	Pied Water-Tyrant	<i>Fluvicola pica</i>	4	
34	Long-tailed Tyrant	<i>Colonia colonus</i>	9	
35	Cattle Tyrant	<i>Machetornis rixosa</i>		
36	Bright-rumped Attila	<i>Attila spadiceus</i>	8,6	h
37	Sirystes	<i>Sirystes sibilator</i>		
38	Rufous Mourner	<i>Rhytipterna holerythra</i>	9	x
39	Dusky-capped Flycatcher	<i>Myiarchus tuberculifer</i>	13,1	x
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	COMMON NAME	SCIENTIFIC NAME	I	II
1	Panama Flycatcher	<i>Myiarchus panamensis</i>	12	x
2	Great Crested Flycatcher	<i>Myiarchus crinitus</i>	8,5	x
3	Lesser Kiskadee	<i>Pitangus lictor</i>	14	x
4	Great Kiskadee	<i>Pitangus sulphuratus</i>	14	x
5	Boat-billed Flycatcher	<i>Megarynchus pitangua</i>	13	x
6	Rusty-margined Flycatcher	<i>Myiozetetes cayanensis</i>	14	x
7	Social Flycatcher	<i>Myiozetetes similis</i>	14	x
8	Gray-capped Flycatcher	<i>Myiozetetes granadensis</i>	4	
9	White-ringed Flycatcher	<i>Conopias albovittatus</i>		
10	Golden-bellied Flycatcher	<i>Myiodynastes hemichrysus</i>		
11	Streaked Flycatcher	<i>Myiodynastes maculatus</i>	14	x
12	Sulphur-bellied Flycatcher	<i>Myiodynastes luteiventris</i>		
13	Piratic Flycatcher	<i>Legatus leucophaeus</i>	7,1	x
14	Tropical Kingbird	<i>Tyrannus melancholicus</i>	14	x
15	Eastern Kingbird	<i>Tyrannus tyrannus</i>	1	
16	Gray Kingbird	<i>Tyrannus dominicensis</i>	5	
17	Fork-tailed Flycatcher	<i>Tyrannus savana</i>	14	x
18	<b>Genera Incertae sedis</b>			
19	Thrush-like Schiffornis	<i>Schiffornis turdina</i>	4,2	
20	Rufous Piha	<i>Lipaugus unirufus</i>		
21	Speckled Mourner	<i>Laniocera rufescens</i>	3	x
22	Barred Becard	<i>Pachyramphus versicolor</i>		
23	Cinnamon Becard	<i>Pachyramphus cinnamomeus</i>	6	x
24	White-winged Becard	<i>Pachyramphus polychopterus</i>	6	x
25	Black-and-white Becard	<i>Pachyramphus albogriseus</i>		
26	Rose-throated Becard	<i>Pachyramphus aglaiae</i>		
27	Masked Tityra	<i>Tityra semifasciata</i>	13	x
28	Black-crowned Tityra	<i>Tityra inquisitor</i>	6	x
29	<b>Cotingas</b>	<b>Cotingidae</b>		
30	Turquoise Cotinga	<i>Cotinga ridgwayi</i>		
31	Blue Cotinga	<i>Cotinga nattererii</i>	14	x
32	Purple-throated Fruitcrow	<i>Querula purpurata</i>	14	x
33	Three-wattled Bellbird	<i>Procnias tricarunculatus</i>		
34	<b>Manakins</b>	<b>Pipridae</b>		
35	Orange-collared Manakin	<i>Manacus aurantiacus</i>		
36	Golden-collared Manakin	<i>Manacus vitellinus</i>	14	x
37	White-ruffed Manakin	<i>Corapipo altera</i>	6,1	x
38	Lance-tailed Manakin	<i>Chiroxiphia lanceolata</i>	11,1	x
39	Blue-crowned Manakin	<i>Pipra coronata</i>	11	x
40	Red-capped Manakin	<i>Pipra mentalis</i>	13,1	h

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	COMMON NAME	SCIENTIFIC NAME	I	II
1	<b>Vireos &amp; Allies</b>	<b>Vireonidae</b>		
2	Yellow-throated Vireo	<i>Vireo flavifrons</i>	10	x
3	Yellow-winged Vireo	<i>Vireo carmioli</i>		
4	Brown-capped Vireo	<i>Vireo leucophrys</i>	1	
5	Philadelphia Vireo	<i>Vireo philadelphicus</i>	6	
6	Red-eyed Vireo	<i>Vireo olivaceus</i>		
7	Yellow-green Vireo	<i>Vireo flavoviridis</i>	8,2	x
8	Scrub Greenlet	<i>Hylophilus flavipes</i>	8	x
9	Tawny-crowned Greenlet	<i>Hylophilus ochraceiceps</i>		
10	Golden-fronted Greenlet	<i>Hylophilus aurantiifrons</i>	13	x
11	Lesser Greenlet	<i>Hylophilus decurtatus</i>	14	x
12	Green Shrike-Vireo	<i>Vireolanius pulchellus</i>	14	x
13	Rufous-browed Peppershrike	<i>Cyclarhis gujanensis</i>	1,1	x
14	<b>Crows, Jays &amp; Magpies</b>	<b>Corvidae</b>		
15	Black-chested Jay	<i>Cyanocorax affinis</i>	12	x
16	Silvery-throated Jay	<i>Cyanolyca argentigula</i>		
17	<b>Swallows</b>	<b>Hirundinidae</b>		
18	Purple Martin	<i>Progne subis</i>	1	
19	Gray-breasted Martin	<i>Progne chalybea</i>	14	x
20	Brown-chested Martin	<i>Progne tapera</i>		
21	Tree Swallow	<i>Tachycineta bicolor</i>	4	x
22	Mangrove Swallow	<i>Tachycineta albilinea</i>	14	x
23	Blue-and-white Swallow	<i>Pygochelidon cyanoleuca</i>		
24	White-thighed Swallow	<i>Neochelidon tibialis</i>		
25	Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>	4	
26	Southern Rough-winged Swallow	<i>Stelgidopteryx ruficollis</i>	14	x
27	Bank Swallow	<i>Riparia riparia</i>	2	
28	Cliff Swallow	<i>Petrochelidon pyrrhonota</i>	2	
29	Barn Swallow	<i>Hirundo rustica</i>	9	x
30	<b>Wrens</b>	<b>Troglodytidae</b>		
31	White-headed Wren	<i>Campylorhynchus albobrunneus</i>	7	x
32	Black-bellied Wren	<i>Thryothorus fasciatoventris</i>	12,1	x
33	Bay Wren	<i>Thryothorus nigricapillus</i>	12,1	x
34	Riverside Wren	<i>Thryothorus semibadius</i>		
35	Stripe-breasted Wren	<i>Thryothorus thoracicus</i>		
36	Rufous-breasted Wren	<i>Thryothorus rutilus</i>	12	x
37	Rufous-and-white Wren	<i>Thryothorus rufalbus</i>	9,4	h
38	Buff-breasted Wren	<i>Thryothorus leucotis</i>	11,1	x
39	Plain Wren	<i>Thryothorus modestus</i>	12,1	x
40	House Wren	<i>Troglodytes aedon</i>	14	x

PANAMA: CANOPY TOWER and EL VALLE TRIP LISTS

	COMMON NAME	SCIENTIFIC NAME	I	II
1	Ochraceous Wren	<i>Troglodytes ochraceus</i>	10,4	x
2	White-breasted Wood-Wren	<i>Henicorhina leucosticta</i>	11,1	x
3	Gray-breasted Wood-Wren	<i>Henicorhina leucophrys</i>	10,1	x
4	Scaly-breasted Wren	<i>Microcerculus marginatus</i>	3,1	
5	Song Wren	<i>Cyphorhinus phaeocephalus</i>	14	x
6	<b>Old World Warblers (new)</b>	<b>Sylviidae</b>		
7	Tawny-faced Gnatwren	<i>Microbates cinereiventris</i>	6	
8	Long-billed Gnatwren	<i>Ramphocaenus melanurus</i>	14	x
9	Tropical Gnatcatcher	<i>Polioptila plumbea</i>	13	x
10	<b>Thrushes &amp; Allies</b>	<b>Turdidae</b>		
11	Black-faced Solitaire	<i>Myadestes melanops</i>		
12	Black-billed Nightingale-Thrush	<i>Catharus gracilirostris</i>		
13	Orange-billed Nightingale-Thrush	<i>Catharus aurantiirostris</i>	2	x
14	Slaty-backed Nightingale-Thrush	<i>Catharus fuscater</i>		
15	Ruddy-capped Nightingale-Thrush	<i>Catharus frantzii</i>		
16	Swainson's Thrush	<i>Catharus ustulatus</i>	1	
17	Wood Thrush	<i>Hylocichla mustelina</i>		
18	Sooty Thrush	<i>Turdus nigrescens</i>		
19	Mountain Thrush	<i>Turdus plebejus</i>		
20	Pale-vented Thrush	<i>Turdus obsoletus</i>	2	x
21	Clay-colored Thrush	<i>Turdus grayi</i>	14	x
22	White-throated Thrush	<i>Turdus assimilis</i>		
23	<b>Mockingbirds &amp; Thrashers</b>	<b>Mimidae</b>		
24	Gray Catbird	<i>Dumetella carolinensis</i>	1	
25	Tropical Mockingbird	<i>Mimus gilvus</i>	14	x
26	<b>Wagtails &amp; Pipits</b>	<b>Motacillidae</b>		
27	Yellowish Pipit	<i>Anthus lutescens</i>		
28	<b>Waxwings</b>	<b>Bombycillidae</b>		
29	Cedar Waxwing	<i>Bombycilla cedrorum</i>	1	
30	<b>Silky-Flycatchers</b>	<b>Ptilogonatidae</b>		
31	Black-and-yellow Silky-flycatcher	<i>Phainoptila melanoxantha</i>		
32	Long-tailed Silky-flycatcher	<i>Ptilogonys caudatus</i>		
33	<b>New World Warblers</b>	<b>Parulidae</b>		
34	Blue-winged Warbler	<i>Vermivora pinus</i>	1	
35	Golden-winged Warbler	<i>Vermivora chrysoptera</i>	12	x
36	Tennessee Warbler	<i>Vermivora peregrina</i>	14	x
37	Flame-throated Warbler	<i>Parula gutturalis</i>		
38	Northern Parula	<i>Parula americana</i>	1	
39	Tropical Parula	<i>Parula pitiayumi</i>	1	
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PANAMA: CANOPY TOWER and EL VALLE TRIP LISTS

	COMMON NAME	SCIENTIFIC NAME	I	II
1	Yellow Warbler	<i>Dendroica petechia</i>	14	x
2	Chestnut-sided Warbler	<i>Dendroica pensylvanica</i>	14	x
3	Magnolia Warbler	<i>Dendroica magnolia</i>	5	x
4	Yellow-rumped Warbler	<i>Dendroica coronata</i>	3	
5	Black-throated Green Warbler	<i>Dendroica virens</i>	8	x
6	Blackburnian Warbler	<i>Dendroica fusca</i>	3	x
7	Prairie Warbler	<i>Dendroica discolor</i>	1	
8	Palm Warbler	<i>Dendroica palmarum</i>	3	
9	Bay-breasted Warbler	<i>Dendroica castanea</i>	14	x
10	Blackpoll Warbler	<i>Dendroica striata</i>	5	
11	Cerulean Warbler	<i>Dendroica cerulea</i>	1	
12	Black-and-white Warbler	<i>Mniotilta varia</i>	14	x
13	American Redstart	<i>Setophaga ruticilla</i>	5	x
14	Prothonotary Warbler	<i>Protonotaria citrea</i>	13	x
15	Worm-eating Warbler	<i>Helmitheros vermivorum</i>		
16	Ovenbird	<i>Seiurus aurocapilla</i>		
17	Northern Waterthrush	<i>Seiurus noveboracensis</i>	11,1	x
18	Louisiana Waterthrush	<i>Seiurus motacilla</i>	3	x
19	Kentucky Warbler	<i>Oporornis formosus</i>	4	
20	Mourning Warbler	<i>Oporornis philadelphia</i>	7	x
21	MacGillivray's Warbler	<i>Oporornis tolmiei</i>		
22	Common Yellowthroat	<i>Geothlypis trichas</i>	3	
23	Masked Yellowthroat	<i>Geothlypis aequinoctialis</i>		
24	Gray-crowned Yellowthroat	<i>Geothlypis poliocephala</i>		
25	Hooded Warbler	<i>Wilsonia citrina</i>	2	
26	Wilson's Warbler	<i>Wilsonia pusilla</i>		
27	Canada Warbler	<i>Wilsonia canadensis</i>	3	x
28	Slate-throated Redstart	<i>Myioborus miniatus</i>		
29	Collared Redstart	<i>Myioborus torquatus</i>		
30	Golden-crowned Warbler	<i>Basileuterus culicivorus</i>		
31	Rufous-capped Warbler	<i>Basileuterus rufifrons</i>	9	x
32	Black-cheeked Warbler	<i>Basileuterus melanogenys</i>		
33	Three-striped Warbler	<i>Basileuterus tristriatus</i>		
34	Buff-rumped Warbler	<i>Phaeothlypiss fulvicauda</i>	1	
35	Wrenthrush	<i>Zeledonia coronata</i>		
36	<b>Genus Incertae sedis</b>			
37	Bananaquit	<i>Coereba flaveola</i>	14	x
38	<b>Tanagers &amp; Allies</b>	<b>Thraupidae</b>		
39	Common Bush-Tanager	<i>Chlorospingus ophthalmicus</i>	14	x
40	Sooty-capped Bush-Tanager	<i>Chlorospingus pileatus</i>		

PANAMA: CANOPY TOWER and EL VALLE TRIP LISTS

	COMMON NAME	SCIENTIFIC NAME	I	II
1	Black-and-yellow Tanager	<i>Chrysothlypis chrysomelas</i>	8	x
2	Rosy Thrush-Tanager	<i>Rhodinocichla rosea</i>	13,1	h
3	Dusky-faced Tanager	<i>Mitrospingus cassinii</i>	12,1	x
4	Camíol's Tanager (new)	<i>Chlorothraupis carmioli</i>	2	x
5	Gray-headed Tanager	<i>Eucometis penicillata</i>	11	x
6	Sulphur-rumped Tanager	<i>Heterospingus rubrifrons</i>	4	
7	White-shouldered Tanager	<i>Tachyphonus luctuosus</i>	14	x
8	Tawny-crested Tanager	<i>Tachyphonus delatrii</i>	14	x
9	White-lined Tanager	<i>Tachyphonus rufus</i>	10	x
10	Red-crowned Ant-Tanager	<i>Habia rubica</i>	9	x
11	Red-throated Ant-Tanager	<i>Habia fuscicauda</i>	14	x
12	Hepatic Tanager	<i>Piranga flava</i>	9	x
13	Summer Tanager	<i>Piranga rubra</i>	14	x
14	Scarlet Tanager	<i>Piranga olivacea</i>	1	
15	Western Tanager	<i>Piranga ludoviciana</i>		
16	Flame-colored Tanager	<i>Piranga bidentata</i>		
17	White-winged Tanager	<i>Piranga leucoptera</i>		
18	Crimson-backed Tanager	<i>Ramphocelus dimidiatus</i>	14	x
19	Cherrie's Tanager	<i>Ramphocelus costaricensis</i>		
20	Lemon-rumped Tanager (new)	<i>Ramphocelus flammigerus</i>	14	x
21	Blue-gray Tanager	<i>Thraupis episcopus</i>	14	x
22	Palm Tanager	<i>Thraupis palmarum</i>	14	x
23	Blue-and-gold Tanager	<i>Bangsia arcaei</i>		
24	Golden-hooded Tanager	<i>Tangara larvata</i>	14	x
25	Speckled Tanager	<i>Tangara guttata</i>	3	
26	Spangle-cheeked Tanager	<i>Tangara dowii</i>		
27	Plain-colored Tanager	<i>Tangara inornata</i>	14	x
28	Rufous-winged Tanager	<i>Tangara lavinia</i>	5	x
29	Bay-headed Tanager	<i>Tangara gyrola</i>	10	x
30	Emerald Tanager	<i>Tangara florida</i>	5	
31	Silver-throated Tanager	<i>Tangara icterocephala</i>	14	x
32	Scarlet-thighed Dacnis	<i>Dacnis venusta</i>	1	
33	Blue Dacnis	<i>Dacnis cayana</i>	14	x
34	Green Honeycreeper	<i>Chlorophanes spiza</i>	13	x
35	Shining Honeycreeper	<i>Cyanerpes lucidus</i>	7	
36	Red-legged Honeycreeper	<i>Cyanerpes cyaneus</i>	14	x
37	<b>Buntings, Sparrows &amp; Seedeaters</b>	<b>Emberizidae</b>		
38	Blue-black Grassquit	<i>Volatinia jacarina</i>	12	x
39	Slate-colored Seedeater	<i>Sporophila schistacea</i>		
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PANAMA: CANOPY TOWER and EL VALLE TRIP LISTS

	COMMON NAME	SCIENTIFIC NAME	I	II
1	Variable Seedeater	<i>Sporophila americana</i>	14	x
2	White-collared Seedeater	<i>Sporophila torqueola</i>		
3	Yellow-bellied Seedeater	<i>Sporophila nigricollis</i>	11	
4	Ruddy-breasted Seedeater	<i>Sporophila minuta</i>	9	
5	Thick-billed Seed-Finch	<i>Oryzoborus funereus</i>	6	x
6	Blue Seedeater	<i>Amaurospiza concolor</i>	6	
7	Yellow-faced Grassquit	<i>Tiaris olivaceus</i>	10	x
8	Slaty Finch	<i>Haplospiza rustica</i>		
9	Slaty Flowerpiercer	<i>Diglossa plumbea</i>		
10	Saffron Finch	<i>Sicalis flaveola</i>	6	
11	Yellow-thighed Finch	<i>Pselliophorus tibialis</i>		
12	Large-footed Finch	<i>Pezopetes capitalis</i>		
13	White-naped Brush-Finch	<i>Atlapetes albinucha</i>		
14	Orange-billed Sparrow	<i>Arremon aurantiirostris</i>	13,1	x
15	Chestnut-capped Brush-Finch	<i>Buarremon brunneinucha</i>	12	
16	Stripe-headed Brush-Finch	<i>Buarremon torquatus</i>		
17	Black-striped Sparrow	<i>Arremonops conirostris</i>	14	x
18	Rufous-collared Sparrow	<i>Zonotrichia capensis</i>		
19	<b>Saltators, Cardinals &amp; Allies</b>	<b>Cardinalidae</b>		
20	Streaked Saltator	<i>Saltator striatipectus</i>	11	x
21	Buff-throated Saltator	<i>Saltator maximus</i>	14	x
22	Black-headed Saltator	<i>Saltator atriceps</i>	11	x
23	Slate-colored Grosbeak	<i>Saltator grossus</i>	10,1	x
24	Black-thighed Grosbeak	<i>Pheucticus tibialis</i>		
25	Rose-breasted Grosbeak	<i>Pheucticus ludovicianus</i>	8	x
26	Blue-black Grosbeak	<i>Cyanocompsa cyanooides</i>	10	x
27	Blue Grosbeak	<i>Guiraca caerulea</i>	2	
28	Indigo Bunting	<i>Passerina cyanea</i>	1	
29	Dickcissel	<i>Spiza americana</i>	1	
30	<b>Troupials &amp; Allies (Icterids)</b>	<b>Icteridae</b>		
31	Bobolink	<i>Dolichonyx oryzivorus</i>		
32	Red-breasted Blackbird	<i>Sturnella militaris</i>	11	x
33	Eastern Meadowlark	<i>Sturnella magna</i>	5	x
34	Great-tailed Grackle	<i>Quiscalus mexicanus</i>	14	x
35	Shiny Cowbird	<i>Molothrus bonariensis</i>	7	x
36	Bronzed Cowbird	<i>Molothrus aeneus</i>		
37	Giant Cowbird	<i>Molothrus oryzivorus</i>	8	x
38	Orchard Oriole	<i>Icterus spurius</i>	12	x
39	Yellow-backed Oriole	<i>Icterus chrysater</i>	14	x
40	Yellow-tailed Oriole	<i>Icterus mesomelas</i>	11	x

PANAMA: CANOPY TOWER and EL VALLE TRIP LISTS

	COMMON NAME	SCIENTIFIC NAME	I	II
1	Baltimore Oriole	<i>Icterus galbula</i>	14	x
2	Yellow-billed Cacique	<i>Amblycercus holosericeus</i>	5	
3	Scarlet-rumped Cacique	<i>Cacicus uropygialis</i>	14	x
4	Yellow-rumped Cacique	<i>Cacicus cela</i>	14	x
5	Crested Oropendola	<i>Psarocolius decumanus</i>	12	x
6	Chestnut-headed Oropendola	<i>Psarocolius wagleri</i>	14	x
7	Montezuma Oropendola	<i>Psarocolius montezuma</i>	1	
8	<b>Siskins, Crossbills &amp; Allies</b>	<b>Fringillidae</b>		
9	Yellow-crowned Euphonia	<i>Euphonia luteicapilla</i>	13	x
10	Thick-billed Euphonia	<i>Euphonia laniirostris</i>	14	x
11	Elegant Euphonia	<i>Euphonia elegantissima</i>	2	x
12	Fulvous-vented Euphonia	<i>Euphonia fulvicrissa</i>	13	x
13	Spot-crowned Euphonia	<i>Euphonia imitans</i>		
14	White-vented Euphonia	<i>Euphonia minuta</i>	2	x
15	Tawny-capped Euphonia	<i>Euphonia annae</i>	10	x
16	Golden-browed Chlorophonia	<i>Chlorophonia callophrys</i>		
17	Yellow-bellied Siskin	<i>Carduelis xanthogastra</i>		
18	Lesser Goldfinch	<i>Carduelis psaltria</i>	6	x
19	<b>Old World Sparrows</b>	<b>Passeridae</b>		
20	House Sparrow	<i>Passer domesticus</i>	7	
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PANAMA: CANOPY TOWER and EL VALLE TRIP LISTS

	COMMON NAME	SCIENTIFIC NAME	I	II
1	<b>MAMMALS -- Reid's 1997 order and nomenclature</b>			
2	7 OPOSSUM species			
3	COMMON OPOSSUM	<i>Didelphis marsupialis</i>	8	x
4	VIRGINIA OPOSSUM	<i>Didelphis virginiana</i>	2	x
5	CENTRAL AMER. WOOLY OPOSSUM	<i>Caluromys derbianus</i>	2	x
6	GRAY FOUR-EYED OPOSSUM	<i>Philander opossum</i>	1	x
7	NORTHERN TAMANDUA	<i>Tamandua mexicana</i>	8	x
8	HOFFMANN'S TWO-TOED SLOTH	<i>Choloepus hoffmanni</i>	13	x
9	BROWN-THROATED 3-TOED SLOTH	<i>Bradypus variegatus</i>	14	x
10	NOR. NAKED-TAILED ARMADILLO	<i>Cabassous centralis</i>		
11	NINE-BANDED ARMADILLO	<i>Dasypus novemcinctus</i>	3	x
12	78 BAT species		14	x
13	PROBOSCIS or LONG-NOSED BAT	<i>Rhynchonycteris naso</i>		
14	GREATER FISHING BAT	<i>Noctilio leporinus</i>	1	
15	LESSER FISHING BAT	<i>Noctilio albiventris</i>	1	
16	COMMON TENT-MAKING BAT	<i>Uruderma bilobatum</i>	1	x
17	CHESTNUT SAC-WINGED BAT	<i>Cormura brevirostris</i>	1	
18	FALSE VAMPIRE BAT	<i>Vampyrum spectrum</i>	1	
19	3 VAMPIRE BAT species			
20	GEOFFROY'S TAMARIN	<i>Saguinus geoffroyi</i>	13	
21	WESTERN NIGHT MONKEY	<i>Aotus lemurinus</i>	3	
22	WHITE-FACED CAPUCHIN MONKEY	<i>Cebus capuchinus</i>	11	
23	MANTLED HOWLER MONKEY	<i>Alouatta palliata</i>	14	x
24	CENTRAL AMER. SPIDER MONKEY	<i>Ateles geoffroyi</i>	1	
25	VARIEGATED SQUIRREL	<i>Sciurus variegatoides</i>	10	x
26	RED-TAILED SQUIRREL	<i>Sciurus granatensis</i>	14	x
27	ALFARO'S PYGMY SQUIRREL	<i>Microsciurus alfari</i>	1	
28	WESTERN PYGMY SQUIRREL	<i>Microsciurus mimulus</i>		
29	14 MOUSE or RAT species			
30	ROTHCHILD'S PORCUPINE	<i>Coendou rothschildi</i>	1	
31	CAPYBARA	<i>Hydrochaeris hydrocheris</i>	10	
32	CENTRAL AMERICAN AGOUTI	<i>Dasyprocta punctata</i>	14	x
33	PACA	<i>Agouti paca</i>		
34	3 SPINY or TREE RAT species			
35	TAPITI or FOREST RABBIT [to 1500 m]	<i>Sylvilagus brasiliensis</i>	9	x
36	COYOTE	<i>Canis latrans</i>	7	
37	GRAY FOX	<i>Urocyon cinereoargenteus</i>		
38	NORTHERN RACCOON	<i>Procyon lotor</i>		
39	CRAB-EATING RACCOON	<i>Procyon cancrivorus</i>	1	
40	WHITE-NOSED COATI	<i>Nasua nasua</i>	14	x

**PANAMA: CANOPY TOWER and EL VALLE TRIP LISTS**

	COMMON NAME	SCIENTIFIC NAME	I	II
1	KINKAJOU	<i>Potos flavus</i>	9	
2	OLINGO	<i>Bassaricyon gabbii</i>	1	x
3	LONG-TAILED WEASEL	<i>Mustela frenata</i>		
4	TAYRA	<i>Eira barbara</i>	2	
5	NEOTROPICAL RIVER OTTER	<i>Lutra longicaudis</i>	1	
6	OCELOT	<i>Felis pardalis</i>		
7	MARGAY	<i>Leopardus wiedii</i>		
8	JAGUARUNDI	<i>Felis yagouaroundi</i>		
9	PUMA	<i>Puma concolor</i>		
10	JAGUAR	<i>Panthera onca</i>		
11	WEST INDIAN MANATEE	<i>Trichechus manatus</i>		
12	BAIRD'S TAPIR	<i>Tapirus bairdii</i>		
13	COLLARED PECCARY	<i>Tayassu tajacu</i>	3	x
14	WHITE-LIPPED PECCARY	<i>Tayassu pecari</i>		
15	WHITE-TAILED DEER	<i>Olocoileus virginianus</i>	2	x
16	RED BROCKET	<i>Mazama americana</i>		
17	<b>REPRESENTATIVE REPTILES and AMPHIBIANS</b>			
18	<b>From 1983 Costa Rican Natural History, D. Janzen, ed.</b>			
19	FOREST FROG		3	
20	RED-EYED TREEFROG	<i>Agalychnis callidryas</i>		
21	GIANT or MARINE TOAD	<i>Bufo marinus</i>	3,1	h
22	TINK FROG	<i>Eleutherodactylus bransfordii</i>	0,2	
23	TREE FROG	<i>Hyla sp.</i>		
24	POISON DART FROG	<i>Dendrobates auratus</i>	2	
25	GALLIWASP LIZARD	<i>Diploglossus monotropis</i>	1	
26	JESUS CHRIST LIZARD	<i>Basiliscus basiliscus</i>	8	x
27	EMERALD BASILISK	<i>Basiliscus plumifrons</i>		
28	MACROTEIID LIZARDS	<i>Ameiva spp.</i>	14	x
29	CENTRAL AMER. WHIPTAIL LIZARD	<i>Ameiva festiva</i>	6	
30	COMMON or GREEN IGUANA	<i>Iguana iguana</i>	11	x
31	CTENOSAUR or BLACK IGUANA	<i>Ctenosaura similis</i>	1	
32	YELLOW-HEADED GECKO	<i>Phyllodactylus</i>	5	x
33	"INTRODUCED" GECKO AT TOWER		14	x
34	GIANT GECKO	<i>Norops polylepis</i>	0,1	h
35	ANOLIS LIZARD or ANOLE	<i>Norops polylepis</i>	4	x
36	SKINK	<i>Sphenomorphus cherriei</i>	1	
37	RED or PAINTED WOOD TURTLE	<i>Rhinoclemmys pulcherrima</i>	3	
38	COMMON SLIDER	<i>Trachemys scripta</i>	12	x
39	AMERICAN CROCODILE	<i>Crocodylus acutus</i>	3	
40	SPECTACLED CAYMAN or BABA	<i>Caiman crocodilus</i>	10	x

PANAMA: CANOPY TOWER and EL VALLE TRIP LISTS

	COMMON NAME	SCIENTIFIC NAME	I	II
1	EYELASH VIPER or BOCARACA	<i>Bothrops schlegelii</i>		
2	FER-DE-LANCE or TERCIOPELO	<i>Bothrops asper</i>	1	
3	BOA CONSTRICTOR	<i>Boa constrictor</i>	2	
4	BROWN VINE S. or BEJUQUILLA CAFÉ	<i>Oxybelis aeneus</i>		
5	GREEN V. SN. or BEJUQUILLA VERDE	<i>Oxybelis fulgidus</i>	1	
6	BUSHMASTER	<i>Lachesis muta</i>	1	
7	RAT SNAKE		1	
8	Unidentified SNAKE species		4	
9	GREEN PARROT SNAKE	<i>Leptophis ahaetulla</i>	1	x
10	<b>REPRESENTATIVE ARTHROPODS</b>			
11	Unidentified SPIDER species		14	x
12	GOLDEN ORB-WEAVER	<i>Nephila clavipes</i>	4	
13	LEAF-CUTTING ANTS	<i>Atta cephalotes</i>	14	x
14	ARMY ANTS	<i>Eciton burchelli</i>	12	x
15	ACACIA ANTS	<i>Pseudomyrmex ferruginea</i>	6	x
16	BULLET ANTS or BALAS	<i>Paraponera clavata</i>	7	x
17	FIRE ANTS		5	
18	CECROPIA or AZTECA ANTS	<i>Azteca</i> spp.	14	x
19	SUNDOWN CICADAS or CHICHARRAS	<i>Fidicina mannifera</i>	12	x
20	CHIGGERS or COLORADI. [larval stage]	<i>Eutrombicula</i> spp.	14	x
21	Unidentified WASP species		14	x
22	ANT LION [larval stage]	<i>Mermeleon</i> spp.	2	
23	CALIGO or CREAM OWL BUTTERFLY	<i>Caligo memmon</i>	14	x
24	MORPHO	<i>Morpho peleides</i>	14	x
25	GLASS-WINGED BUTTERFLY		6	x
26	Unidentified BUTTERFLY species		14	x
27	Unidentified STICK INSECT species		5	x
28	ARBOREAL TERMITES	<i>Nasutitermes</i> spp.	14	x
29	FIDDLER CRABS		1	
30	MANGROVE CRABS		7	x
31	Unidentified LAND CRAB species		1	
32	Unidentified DAMSELFLY species		13	
33	HELICOPTER DAMSELFLY		11	x
34	Unidentified DRAGONFLY species		14	x
35	Large PURPLE GRASSHOPPER		2	
36	Unidentified GRASSHOPPER species		14	x
37	FOREST FLOOR MILLIPEDE		4	
38	FIREFLIES		8	
39	Unidentified BEETLE species		14	x
40	Unidentified COCKROACH species		10	x