THE Bluntheaded vine snake, *Imantodes cenchoa*, is a widespread species distributed on the Atlantic and Pacific versants of America from southern Tamaulipas and Oaxaca, México, south to central western Ecuador (Pacific versant) and Bolivia, Paraguay and northeastern Argentina (Atlantic versant); from sea level up to 1500 m elevation (Pérez-Santos & Moreno, 1991; Savage, 2002; Köhler, 2003). *Imantodes cenchoa* has been reported in Ecuador from the provinces of Guayas, Los Ríos, Pichincha, Tungurahua, Napo, Sucumbíos, Orellana, Pastaza, and Morona-Santiago (Rendahl & Vestergren, 1941; Fugler & Walls, 1978; Duellman, 1978; Zug *et al.* 1979; Pérez-Santos & Moreno, 1991; Cisneros-Heredia, 2003; Ken Miyata, in litt.). More recently, it was recorded at the provinces of Esmeraldas and El Oro by Yáñez-Muñoz *et al.* (2004) and at Manabí (Fundación Jatun Sacha [Reserva Lalo Loor] in litt.).

A specimen of *Imantodes cenchoa* (FHGO 2801) collected at Bombuscaro, province of Zamora-Chinchipe (Appendix 1), provides the first record from this province, extending the distributional range of the species in Ecuador ca. 200 km SSW from the nearest locality (Sucua) in the province of Morona-Santiago (Fugler & Walls, 1978), representing the westernmost locality in the distribution of the species on the eastern versant of the Andes, and filling the gap between localities from northeastern Peru and central eastern Ecuador. Yáñez-Muñoz *et al.* (2004) reported *Imantodes cenchoa* from one locality in the province of Esmeraldas. Five specimens (FHGO 89, 120, 570, 543, 2535) of *Imantodes cenchoa* collected at various localities in the province of Esmeraldas (Appendix 1) provide additional records from this province, and fill the gap between localities from southwestern Colombia and central western Ecuador.

A sample of 23 specimens from various localities in western and eastern Ecuador includes five hatchlings (<450 mm, *sensu* Zug *et al.*, 1979; Martins & Oliveira 1998) collected in western Ecuador in May and in eastern Ecuador in August and November; eight juveniles (<800 mm SVL, *sensu* Zug *et al.*, 1979; Martins & Oliveira, 1998).
collected in July and August in western Ecuador and in January, March, June, and November in eastern Ecuador; and, ten mature adults. Measurement data for these specimens are presented in Table 1. The scalation and color patterns of these specimens fall within the range of variation reported for *Imantodes cenchoa* elsewhere (Duellman, 1978; Myers, 1982; Martins & Oliveira, 1999; Savage 2002).

Two specimens (DFCH-USFQ 087, 088) were collected at night while active (foraging) in palms ca. 40–60 cm above floor at the night, in primary terra firme forest (a hatching) and in secondary seasonal flooded forest (an adult), at the Tiputini Biodiversity Station, province of Orellana. One adult specimen (FHGO 2943) was collected between bamboos in a secondary forest at the Maquipucuna Reserve, province of Pichincha. An adult individual was observed (not collected) active (foraging) in the branches of a tree ca. 170 cm above floor at night in secondary forest at the lodge near Cascada de San Rafael, province of Napo, Ecuador.

Based on records presented herein and those from other references (Rendahl & Vestergren, 1941; Fugler & Walls, 1978; Duellman, 1978; Zug et al., 1979; Pérez-Santos & Moreno, 1991; Cisneros-Heredia, 2003; Yáñez-Muñoz et al., 2004, Ken Miyata in litt., Fundación Jatun Sacha [Reserva Lalo Loor] in litt.); *Imantodes cenchoa* is known from six provinces on the Pacific versant of Ecuador (Esmeraldas, Manabí, Guayas, Los Ríos, El Oro, and Pichincha), and all provinces on the Atlantic versant of Ecuador (Sucumbíos, Napo, Orellana, Pastaza, Tungurahua, Morona-Santiago and Zamora-Chinchipe) (Figure 1). *Imantodes cenchoa* inhabits the Northwestern Tropical and Western and Eastern Subtropical zoogeographic floors of Ecuador (sensu Albuja et al., 1980), and occurs in the following vegetation formations (sensu Sierra, 1999): (a) in western Ecuador: Lowland Evergreen Forest, Foothill Evergreen Forest, Lowland Semideciduous Forest, Low Montane Evergreen Forest; (b) in eastern Ecuador: Low Montane Evergreen Forest, Foothill Evergreen Forest, Lowland Non-flooded Evergreen Forest, Lowland Evergreen Forest flooded by white-waters, Lowland Evergreen Forest flooded by black-waters, Palm Flooded Evergreen Forest.

![Figure 1. Distribution of *Imantodes cenchoa* in Ecuador. Circle = examined material; square = data from literature. A symbol can represent more than one locality. A symbol can represent more than one locality. A symbol can represent more than one locality. A symbol can represent more than one locality. A symbol can represent more than one locality. A symbol can represent more than one locality. Numbers correspond to the mainland Ecuadorian provinces: Esmeraldas (1), Manabí (2), Guayas (3), Los Ríos (4), El Oro (5), Pichincha (6), Tungurahua (7), Sucumbíos (8), Napo (9), Orellana (10), Pastaza (11), Morona-Santiago (12), Zamora-Chinchipe (13). Continuous thick line: international border; thin dotted line: provincial borders.](image)

### Table 1

<table>
<thead>
<tr>
<th></th>
<th>n</th>
<th>TTL</th>
<th>TaL</th>
<th>SVL</th>
<th>TaL as % of TTL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hatchlings</td>
<td>5</td>
<td>363.0 ± 65.6</td>
<td>110.0 ± 19.1</td>
<td>253.0 ± 47.42</td>
<td>8.8 – 31.7 %</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(315 – 450)</td>
<td>(95 – 135)</td>
<td>(215 – 315)</td>
<td></td>
</tr>
<tr>
<td>Juveniles</td>
<td>8</td>
<td>666.8 ± 74.7</td>
<td>190.6 ± 24.6</td>
<td>476.3 ± 51.1</td>
<td>27.2 – 30.8 %</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(545 – 805)</td>
<td>(150 – 230)</td>
<td>(395 – 575)</td>
<td></td>
</tr>
<tr>
<td>Adults</td>
<td>10</td>
<td>1020.8 ± 62.7</td>
<td>286.5 ± 37.5</td>
<td>734.3 ± 51.3</td>
<td>19.9 – 31.6 %</td>
</tr>
</tbody>
</table>
ACKNOWLEDGEMENTS

I am grateful to Jean-Marc Touzet and Ana María Velasco for granting access to specimens deposited at the FHGO, to the Tiputuni Biodiversity Station staff (especially Consuelo Barriga deromo and David Romo) for their support on my work at the station; to Angel Chiriboga for his field companionship, to Andrés León, Tomi Sugahara, Daniel Proaño, and María Olga Borja for laboratory assistance, and to Roy W. McDiarmid and Mario Yáñez-Muñoz for access to the unpublished thesis of Ken Miyata. My gratitude to Maria Elena Heredia and Laura Heredia for financial and moral support. Tiputuni Biodiversity Station provided partial funding, and Universidad San Francisco de Quito provided institutional support.

REFERENCES


APPENDIX 1 – Examined material of Imantodes cenchoa from Ecuador. Institutional abbreviations: FHGO, Fundación Herpetológica G. Orcés, Quito, Ecuador; DFCH-USFQ, D. F. Cisneros-Heredia collection, housed at the Universidad San Francisco de Quito, Quito, Ecuador.

ESMERALDAS: FHGO 089, Km 17 vía Lita-Alto Tabamo (00°51’N, 78°31’W, 830 m), 17 February 1991; FHGO 120, Km 18 vía Lita-Alto Tabamo (00°51’N, 78°31’W, 830 m), 11 August 1990; FHGO 543, Zapallo Grande - Río Cayapas (00°54’N, 78°57’W, 90 m), 13 July 1992; FHGO 570, Tabibazo - Finca Esperanza (00°49’N, 79°42’W, 20 m), November 1992; FHGO 2535, Canton Río Verde, Parroquia Juan Montalvo, La Mayronga (150 m), 01 November 1998. PICHINCHA: FHGO 1317-19, Minto (00°02’45’S, 78°46’21”W, 1200 m), 13 May 1996; FHGO 2943, Reserva Maquipucuna (1400 m). NAO: FHGO 456, Runa Huasi - Río Arajuno - confluencia río Napo (01°03’S, 77°32’W, 340 m). SUCUMBIÓS: FHGO 826, San Pablo de Kantesiaya (00°15’00’S, 76°25’30”, 240 m), 21 November 1993. ORELLANA: DFCH-USFQ 087, 088, 452, Tiputuni Biodiversity Station (00°37’05’S, 76°10’19”W; 215 m.s.n.m.), 10 August 1999; FHGO 119, Pozo Garza - Oryx (00°26’S, 77°03’W, 300 m), 27 March 1995. Río Huataraco (00°43’S, 77°22’W, 480 m), 15 January 1995; FHGO 1140-1, Km 77 vía Hollín - Loreto - Río Huataraco (00°43’S, 77°22’W, 480 m), 23 March 1995. PASTAZA: FHGO 119, Pozo Garza - Oryx (00°26’S, 77°03’W, 300 m), 06 July 1989; FHGO 1069, Km 77 vía Hollín - Loreto - Río Huataraco (00°43’S, 77°22’W, 480 m), 05 August 1992; FHGO 1656-7, Comuna Curaray (01°22’22”S, 78°56’52”W), 02 November 1997; FHGO 3520, Shell (01°29’S, 78°02’W, 600 m), 05 August 1992; FHGO 1069, Río Huataraco (00°43’S, 77°22’W, 480 m), 23 March 1995. PASTAZA: FHGO 119, Pozo Garza - Oryx (00°26’S, 77°03’W, 300 m), 06 July 1989; FHGO 520, Shell (01°29’S, 78°02’W, 600 m), 05 August 1992; FHGO 1656-7, Comuna Curaray (01°22’22”S, 78°56’52”W), 02 November 1997; FHGO 3520, Shell (01°29’S, 78°02’W, 600 m), 05 August 1992; FHGO 1069, Río Huataraco (00°43’S, 77°22’W, 480 m), 23 March 1995. PASTAZA: FHGO 119, Pozo Garza - Oryx (00°26’S, 77°03’W, 300 m), 06 July 1989; FHGO 520, Shell (01°29’S, 78°02’W, 600 m), 05 August 1992; FHGO 1656-7, Comuna Curaray (01°22’22”S, 78°56’52”W), 02 November 1997; FHGO 3520, Shell (01°29’S, 78°02’W, 600 m), 05 August 1992; FHGO 1069, Río Huataraco (00°43’S, 77°22’W, 480 m), 23 March 1995. PASTAZA: FHGO 119, Pozo Garza - Oryx (00°26’S, 77°03’W, 300 m), 06 July 1989; FHGO 520, Shell (01°29’S, 78°02’W, 600 m), 05 August 1992; FHGO 1656-7, Comuna Curaray (01°22’22”S, 78°56’52”W), 02 November 1997; FHGO 3520, Shell (01°29’S, 78°02’W, 600 m), 05 August 1992; FHGO 1069, Río Huataraco (00°43’S, 77°22’W, 480 m), 23 March 1995. PASTAZA: FHGO 119, Pozo Garza - Oryx (00°26’S, 77°03’W, 300 m), 06 July 1989; FHGO 520, Shell (01°29’S, 78°02’W, 600 m), 05 August 1992; FHGO 1656-7, Comuna Curaray (01°22’22”S, 78°56’52”W), 02 November 1997; FHGO 3520, Shell (01°29’S, 78°02’W, 600 m), 05 August 1992; FHGO 1069, Río Huataraco (00°43’S, 77°22’W, 480 m), 23 March 1995.