

# Reptilia, Squamata, Gymnophthalmidae, *Arthrosaura reticulata* (O'Shaughnessy, 1881): Distribution extension and new state record

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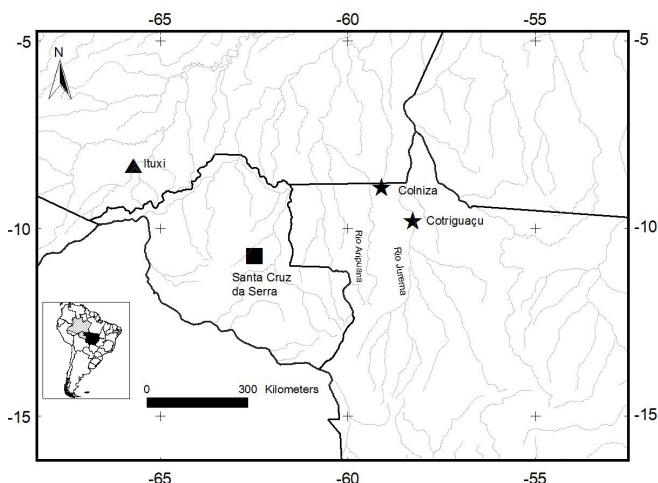
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**ABSTRACT:** *Arthrosaura reticulata* (O'Shaughnessy, 1881) is reported from two localities in Mato Grosso, Brazil. It represents the first state record for the species, extending its known distribution in 830 km southeastern of the southernmost record in the state of Amazonas and 470 km eastern of the state of Rondônia, the southernmost record of the species.

*Arthrosaura reticulata* (O'Shaughnessy, 1881) is a small gymnophthalmid lizard of subfamily Ecleopinae (Castoe *et al.* 2004), with three supraoculars, 6-7 supralabials, no vertebral stripe, cylindrical body, tail round in cross section, with relatively short limbs, and elongate, keeled dorsal scales (Hoogmoed and Avila-Pires 1992; Avila-Pires 1995). The countries with records for this species are Ecuador (the type-locality of the species, Canelos, Pastaza), Peru, Colombia, Guyana, and Suriname (review in Hoogmoed and Avila-Pires 1992). In Brazil, the species has been reported from the states of Maranhão, Pará, Amapá, Amazonas, and Rondônia (Vanzolini 1986; Hoogmoed and Avila-Pires 1992; Avila-Pires 1995; Avila-Pires *et al.* 2009).

Here we report a new Brazilian state record for *A. reticulata*, in the state of Mato Grosso, extending its geographic distribution in 830 km southeastern of the southernmost record in the state of Amazonas, and 470 km eastern of the state of Rondônia, the southernmost record of the species (Figure 1). The two new records are located in the Amazonian rainforest. Voucher specimens are deposited in the Coleção Zoológica de Vertebrados do Instituto de Biociências da Universidade Federal de Mato Grosso (UFMT).

On June 1, 2008, one juvenile of *Arthrosaura reticulata* (UFMT 7124) was collected in the Parque Estadual Igarapés do Juruena, Colniza municipality (08°54' S, 59°06' W), at 12:20 h, active on the leaf litter near a creek. The specimen has a snout-vent length of 27.2 mm and a mutilated tail with 13.5 mm of remaining length. On December 9, 2009, a male (UFMT 8371, Figure 2) was collected during active search in Fazenda São Nicolau, Cotriguaçu municipality (09°48' S, 58°16' W), at 09:30 h, active on the leaf litter near the Juruena river. The specimen has a snout-vent length of 41.8 mm and a tail length of 80.9 mm.



**FIGURE 1.** New state record for *Arthrosaura reticulata* in Mato Grosso, Brazil. Triangle: Southernmost record of the species in the state of Amazonas (Fazenda Scheffer, Ituxi river, Avila-Pires *et al.* 2009); Square: Southernmost record, the state of Rondônia (Santa Cruz da Serra, Vanzolini 1986). Stars: Colniza and Cotriguaçu municipalities, state of Mato Grosso (new records), extending the distribution of the species on 725 km (Colniza) and 830 km (Cotriguaçu) southeastern of Fazenda Scheffer, state of Amazonas, 425 km (Colniza) and 470 km (Cotriguaçu) southeastern of Santa Cruz da Serra, state of Rondônia. Inset map represents South America where Amazonas and Rondônia states are shaded and Mato Grosso state is solid color.



**FIGURE 2.** Adult *Arthrosaura reticulata* (UFMT 8371) collected in Cotriguaçu municipality, state of Mato Grosso, Brazil. Photo by R. A. Kawashita-Ribeiro.

The number of notes about geographical extensions or even new state records of Squamata reptiles in the state of Mato Grosso has increased considerably during the last years (e.g. Costa et al. 2008; Kawashita-Ribeiro and Ávila 2008; Mott et al. 2008; Costa et al. 2010; Morais et al. 2010; Silva et al. 2010). It reinforces the need of biological surveys in many unexplored regions of this state. This action is urgent because natural landscapes are being converted into agricultural and pasture lands at an accelerated and alarming rate and they may disappear even before we have a good knowledge of the biodiversity in the state.

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