Predation of *Saimiri cassiquiarensis* (Lesson, 1840) (Primates: Cebidae) by *Spizaetus ornatus* (Daudin, 1800) (Accipitriformes: Accipitridae) in the Brazilian Amazon

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The Ornate Hawk-eagle (*Spizaetus ornatus*) is an accipiter inhabiting rainforests, forest edges and gallery forests¹. Its distribution extends from Mexico to northern Argentina and Paraguay²,³. In Brazil, the species once occurred in virtually every state, but due to habitat loss it has become rare outside of the Amazon region, and few are recorded in other regions of Brazil⁴. The diet of *S. ornatus* was studied in Guatemala, Belize, Brazil and Peru⁵,⁶,⁷,⁸. However, some isolated predation events have been reported⁹,¹⁰. Its food choices include birds, mammals and reptiles, such as snakes and lizards⁵,⁶,⁷,⁸,⁹,¹³,¹⁴.

Among the mammals, primates have been reported as prey⁵,¹⁰,¹¹,¹²,¹³, however, the predation records of primates in Brazil are rare. Here, we report the predation of a Humboldt’s squirrel monkey (*Saimiri cassiquiarensis*) by an Ornate Hawk-eagle (*Spizaetus ornatus*), at the Amanã Sustainable Development Reserve (ASDR) (2°28’S, 64°45’W) (Figure 1), central Amazon. On August 28, 2013, a nest of *S. ornatus* was found during a survey of raptors in the ASDR. Inside the nest was a primate carcass without the skull and with some parts of the body covered with hair (Figure 2). The carcass was collected and taken to the Laboratory of Terrestrial Vertebrates of the Mamirauá Institute for Sustainable Development (MISD). Species identification was carried out through comparative morphology of the microstructure of the hair present in the specimen and the reference collection of hair at ISDM, revealing that the carcass belonged to a specimen of *S. cassiquiarensis*.

This is the first predation record of a primate by *S. ornatus* in the Brazilian Amazon, which confirms that the species has a variety of prey in their diet, including primates.

**Acknowledgement**

We thank the Mamirauá Institute for Sustainable Development and the Ministry of Science, Technology and Innovation, for financing the scholarships of the authors.

**References**


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Figure 1. Map of the ASDR, with the *Spizaetus ornatus* nest location (black dot). Source: Mamirauá Institute for Sustainable Development.

Figure 2. A: Carcass of *Saimiri cassiquiarensis* (red star) in a nest of *Spizaetus ornatus*. B: Detail of carcass inside the nest. Photo: Adriano Jaskulski.