Records of wintering Hudson's Black-tyrant Knipolegus hudsoni at the Estación Biológica del Beni, Bolivia

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The genus Knipolegus comprises 10 mediumsized tyrant flycatchers, of which three are known austral migrants¹². The most marked migrations are undertaken by Hudson's Blacktyrant K. hudsoni, which breeds in chaco woodland in central Argentina (from Córdoba south to Río Negro, and south-west Buenos Aires province). It withdraws from Argentina, migrating northwards to Bolivia and extreme south-west Brazil², although surprisingly there are very few records from Paraguay⁷. Since the species is relatively little known and considered "near-threatened"⁴, details concerning its winter status in Bolivia are noteworthy, and add to the increasing body of information on austral migration in the Neotropics³.

In Bolivia, K. hudsoni has been noted throughout the dry season (which runs from mid-May to mid-September) in small numbers (e.g. daily maxima of 129) from Beni and Santa Cruz departments^{1,10}, with records also from La Paz (Caranavi), Chuquisaca and Pando^{1,11}. Sightings in Santa Cruz show that the species occupies a range of habitats including chaco, disturbed cerrado, weedy pasture and even suburban gardens^{5,8}. In Beni, it is reported to occur in trees and bushes at woodland and road edges9, which agrees with our observations made between July and September (1994 and 1995) at the Estación Biológica del Beni (EBB) (14°52'S 66°20'W, and 200 m above sea-level), in an area of forest islands (of 1-5 ha in size) within seasonally wet savanna. In common with Parker's⁹ sightings (June 1989) and those of White et al.¹³ at the EBB (July-August 1992), a small number of solitary birds (maximum of six) were noted on most days. with both males and female/immature males present. As is typical for this species^{8,9,12}, exposed low- to mid-height perches were utilised to make short aerial sorties to catch insects either in the air, from foliage, or from the ground.

In 1994, four adult males and seven female/ immature males (see photographs) were mistnetted and ringed: the totals in 1995 were five and eight birds respectively. Sexing the latter can be problematic. Males attain a "female-type" plumage following post-juvenile moult, and may



Hudson's Black-tyrants *Knipolegus hudsoni* (Jon Hornbuckle) top and middle: male (note small white flank patch) bottom: female/immature male

possibly breed in this plumage the following year⁶. Davis⁵ acquired two males in this femaletype plumage in Santa Cruz during September. Consequently, it was impossible to separate immature males from females with certainty, despite all trapped birds being positively aged.

During our surveys, we formed the subjective impression that some K. hudsoni individuals were probably seasonally resident at particular sites. This was reinforced by a female/immature male caught in a 1.1 ha forest island on 26 August 1994, and retrapped five days later in the same forest island. Another bird netted in scrub on 29 July 1995 was recaptured at the same location eight days later. Of greater significance was an adult male retrapped on 5 August 1995 within the same 1.9 ha forest island in which it had been ringed the previous year on 28 July.

From this albeit limited data, we have demonstrated a degree of wintering site fidelity of an austral migrant both within one season and between years. Since *K. hudsoni* appears to be absent from Bolivia outside the dry season, we conclude that the individual returning in 1995 will have undertaken a minimum round-trip of 4,000 km since departing the EBB the previous year. Of the other tyrant flycatchers frequenting the EBB, one species, the Spectacled Tyrant *Hymenops perspicillatus*, exhibits a similar migratory pattern, although geographically it has a far larger breeding range¹². It will be interesting to see whether we detect the returning male *K. hudsoni* again during our 1996 fieldwork.

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