Dear Editor and reviewers,

We greatly appreciate the valuable comments made in our manuscript and believe that contributions made by reviewers will certainly improve the overall quality of the article. Below we will list all the changes made, as suggested by the reviewers, and we also justify those changes that we decide not to do. All corrections of words or phrases indicated by reviewers were accepted. More specifically, the changes were:

**Reviewer #1: Abstract**

We add the information of the type locality of the species and the type of map used in the manuscript. Finally, we extracted the redundant sub-sampling information from the species.

**Reviewer #1: Is the species uncommon or difficult to catch due to its high maneuverability and high canopy flight? Is this species been recorded in places which it has not been caught?**

We have made these questions clear throughout the text. Like other species of aerial insectivores, *Nyctinomops aurispinosus* can fly high above the ground or canopy and also detect and avoid mist nets using their echolocation system, in this way are not easily detected by traditional sampling methods. However, it is still considered uncommon because so few specimens are known and its distribution is greatly spread.

**Reviewer #1 - I would include some discussion about these localities.** (When we indicate the figure of the map in the text)

We add this information.

**Reviewer #1 - In the first paragraph you state that one the genus main diagnostic character is a “very deep basisphenoid pit. So, how this is species have a shallow basisphenoid pit?**

**Are these measurements similar to N. macrotis? What about the basisphenoid pits in the other species? I would explain these differences more deeply.**

We have made this point clearer in the text. The basisphenoid pits are deep in all species within *Nyctonomops*. However, in *N. aurispinosus*, these pits are still deep. However they are noticeably shallow compared to the other species within the genus.

**Reviewer #1 - How many specimens? In the beginning of the paragraph you say “a N. aurispinosus” and here you say “specimens were”. Was it one or more?**

We made clear in the text that in the cited collection, 1 specimen of *N. aurispinosus* and several specimens of *N. macrotis* were captured.

**Reviewer #1 - Do you mean that these two species also occur in Uberlandia? If yes, make it clearer.**

We made this point clearer in the text. And we also pointed other localities where the species of the genus occur in sympatry.

**Reviewer #1 - Which morphological similarities? I think you should make it clearer in the beginning of the manuscript how species within the genus differentiate form each other.**

We made clear all the differences of the external and cranial morphology between the species of the genus.

**Reviewer #1 - Which other kind of habitat this species is present?**

The information on the distribution and natural history of *N. aurispinosus* is rather scarce, but we add all kinds of environment where the species has already been collected.

**Reviewer #1 - What about echolocation call monitoring?**

We have added this type of research that should be done with the species, as well as canopy mistnetting.

**Reviewer #1 – FIGURE 01 - Why the map has different tons of grey? What is the author?**

We added the meaning of the color palette in the figure and the other information requested in the caption of the figure.

**Reviewer #1 – FIGURE 02 - I also would like to see the dorsal picture and a skull picture. I understand that the skull is broken, but I would like to see the differences of basiocciptal pits that you say that was used in the identification of the specimen.**

We created a plank with a photo of the skin in ventral and dorsal view, besides the ventral and dorsal view of the skull.

**Reviewer #1 – TABLE 01 - This is a helpful table. But I also would like to see another table differentiating Nyctinomops aurispinosus from other species of the genus.**

We added the measurements of the other species of the genus with occurrence for South America.

**Reviewer #2: Abstract – Key Words**

The reviewer suggested removing the expression Free Tailed Bat, as it appears in the title of the article. However, we decided to keep the expression, as it refers to all Molossidae, in the title is Peale's Free Tailed Bat which is the name only of *Nyctinomops aurispinosus*.

**Reviewer #2: please state whether it has its skull removed (form the text I understand it had, but just to be clear)**

We explained it better. The skull was removed.

**Reviewer #2: the base is White and the tip is reddish brown. Which color is the middle band?**

We add this information - whitish bases, pale buff middle bands and brown tips.