

CENTER FOR SYSTEMATIC ENTOMOLOGY GRANT REPORT

April 1st, 2020

Name of CSE grantee: *Elena Ortiz Acevedo.*

Affiliation: *Postdoctoral Associate, Universidad del Norte, Barranquilla – Colombia.*

Venue: McGuire Center for Lepidoptera and Biodiversity, Florida Museum of Natural History, University of Florida, Gainesville, Florida.

Project title: Exploring mimicry in Neotropical butterflies: a morphological and geographical approach.

Visit dates: March 7th-12th.

Summary of Activities conducted

This document summarizes the activities I was able to conduct during my visit to the McGuire Center for Lepidoptera and Biodiversity (Figure 1). I had planned a ten-day visit, however, due to the Coronavirus pandemic, I had to cut my visit short to make sure to be able to come back to my home country before the borders were closed. Despite cutting my trip short, I was able to conduct most of the activities I had planned.



Figure 1. Lepidoptera collection at the McGuire Center for Lepidoptera and Biodiversity, Florida Museum of Natural History.

I organized the photographic set up and proceeded to identify the material needed to be photographed (Figure 2). I started with the genus *Asterope*, which contains seven species, and the McGuire Center has representation of all of them. I took four photographs per specimen, two dorsal and two ventral, one including all the labels and determination data (Figure 3) and the other focusing on the specimen only (Figure 4).



Figure 2. Photographing station to conduct the work (left) and detail of the photographic set up consisting of a portable light box, camera coupled with macro lens, tripod, ruler and color card (right).

Then I proceeded to photograph the genus *Callicore*, which contains 20 species, and the McGuire Center has representation of 17. For *Callicore*, I also took four photographs per specimen. I photographed a total of 243 specimens. The total of specimens photographed per species can be found in the following table:

<i>Asterope</i>		<i>Callicore</i>	
Taxon	Number of specimens	Taxon	Number of specimens
<i>Asterope batesii</i>	3	<i>Callicore astarte</i>	14
<i>Asterope buckleyi</i>	8	<i>Callicore cynosura</i>	11
<i>Asterope degandii</i>	12	<i>Callicore excelsior</i>	11
<i>Asterope leprieuri</i>	11	<i>Callicore sorana</i>	10
<i>Asterope markii</i>	23	<i>Callicore pitheas</i>	10
<i>Asterope sapphira</i>	9	<i>Callicore texa</i>	19
<i>Asterope whitelyi</i>	4	<i>Callicore hydaspes</i>	3
		<i>Callicore lyca</i>	11
		<i>Callicore brome</i>	7
		<i>Callicore eunomia</i>	11
		<i>Callicore hesperis</i>	9
		<i>Callicore atacama</i>	11
		<i>Callicore felderi</i>	6
		<i>Callicore hydarnis</i>	1
		<i>Callicore hystaspes</i>	10
		<i>Callicore pygas</i>	10
		<i>Callicore tolima</i>	10
Total <i>Asterope</i>	70	Total <i>Callicore</i>	164



Figure 3. *Asterope degandii caelestis* dorsal photos.



Figure 4. *Asterope degandii caelestis* ventral photos.