



**DIGITIZATION AT THE MCGUIRE
CENTER FOR LEPIDOPTERA &
BIODIVERSITY**

**Florida Museum of Natural History
University of Florida**

**Geena Hill, Stacey Huber,
Akito Kawahara, Jaret Daniels**



- Three floors of climate-controlled collection rooms + offsite storage
- 3,100 square feet of collection space and research laboratories
- ~10 million specimens

IMAGING

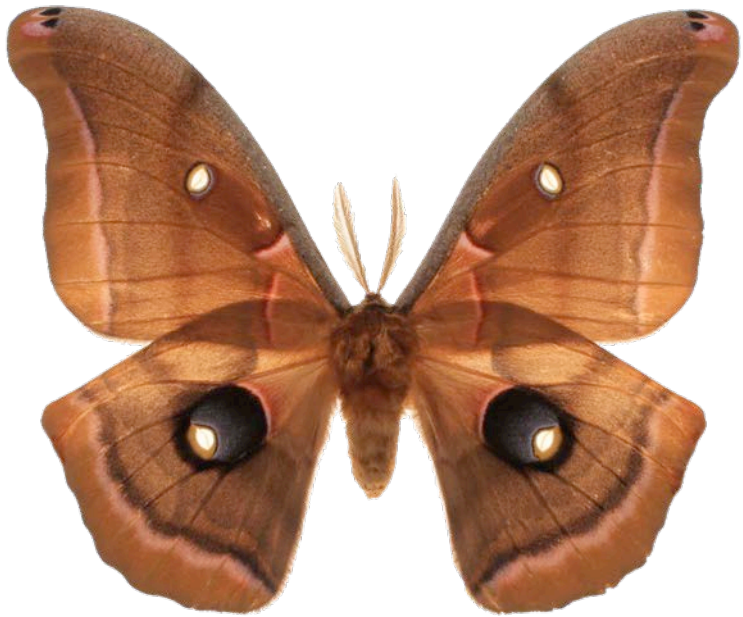
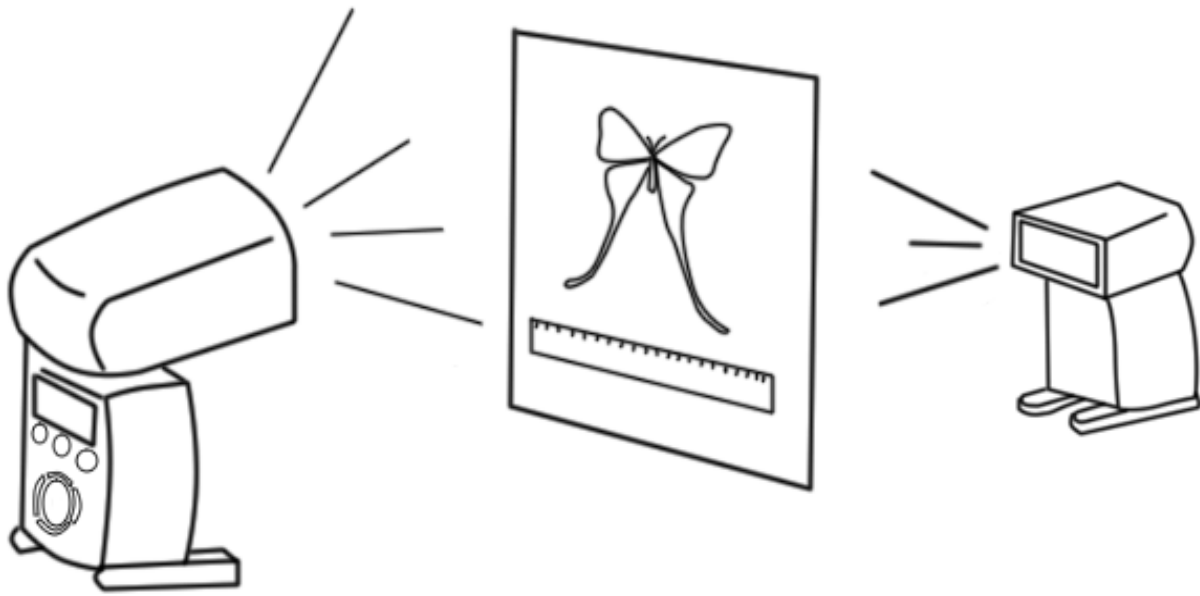
- Whole drawer photo prior to removing specimens
- Image each specimen with labels
- Take dorsal / ventral photo (2 photos per specimen)
- RAW + JPG
- Storage: 1 TB on P Drive
- Specify and Symbiota databases

IMAGING SETUP



Scale and label platform approximately on same focal plane as specimen



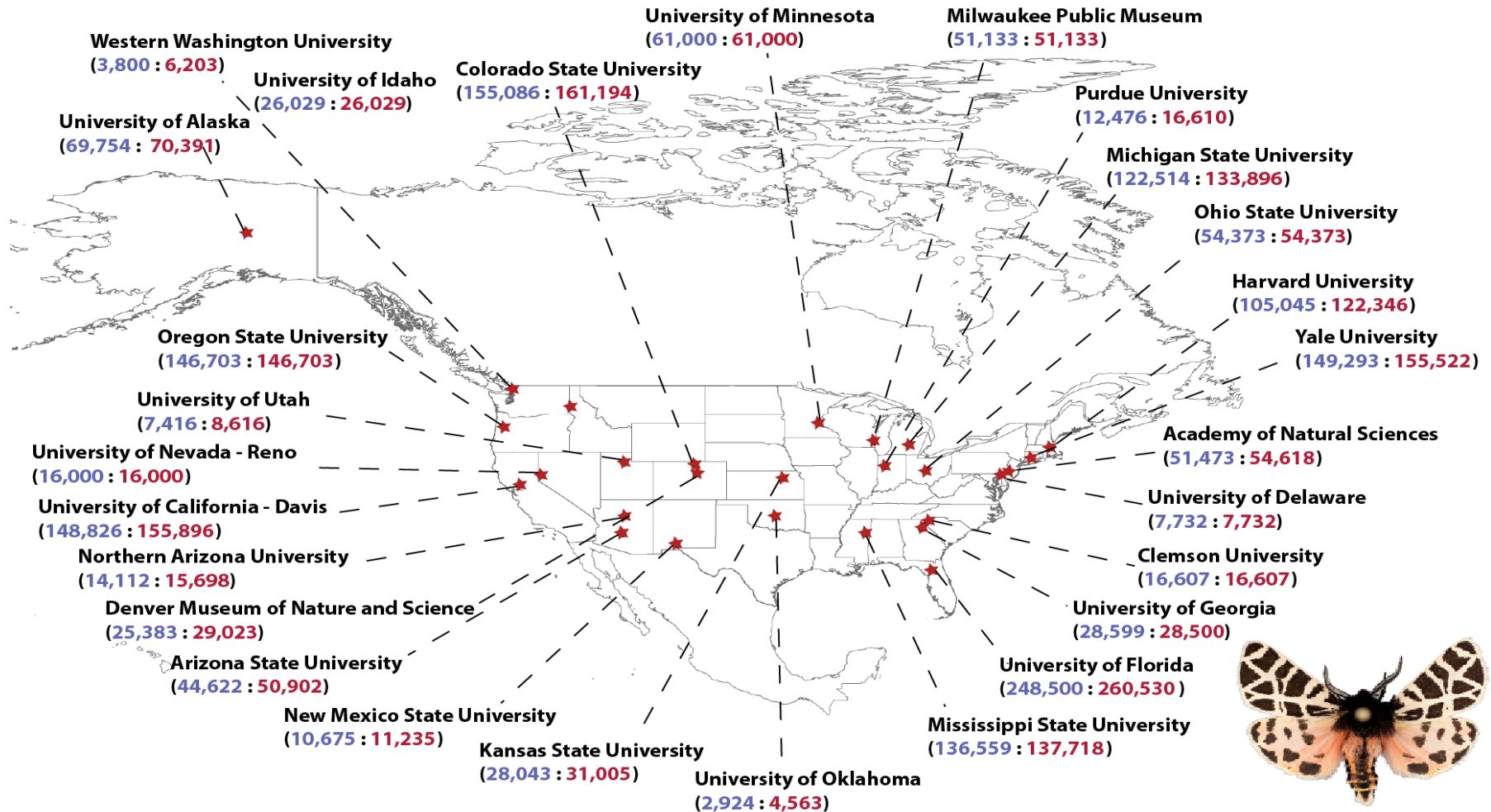


ADBC TCN: “Lepidoptera of North America Network: Documenting Diversity in the Largest Clade of Herbivores”

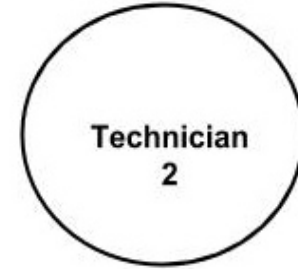
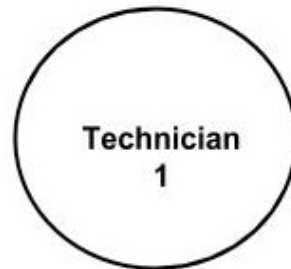
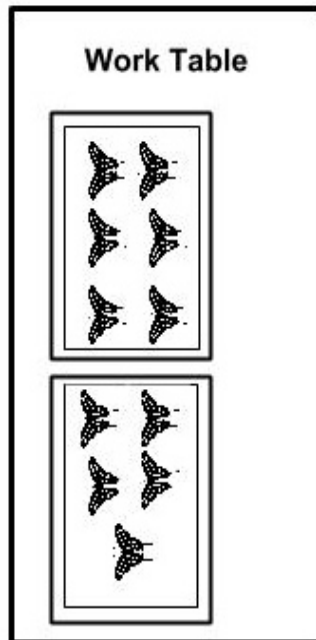
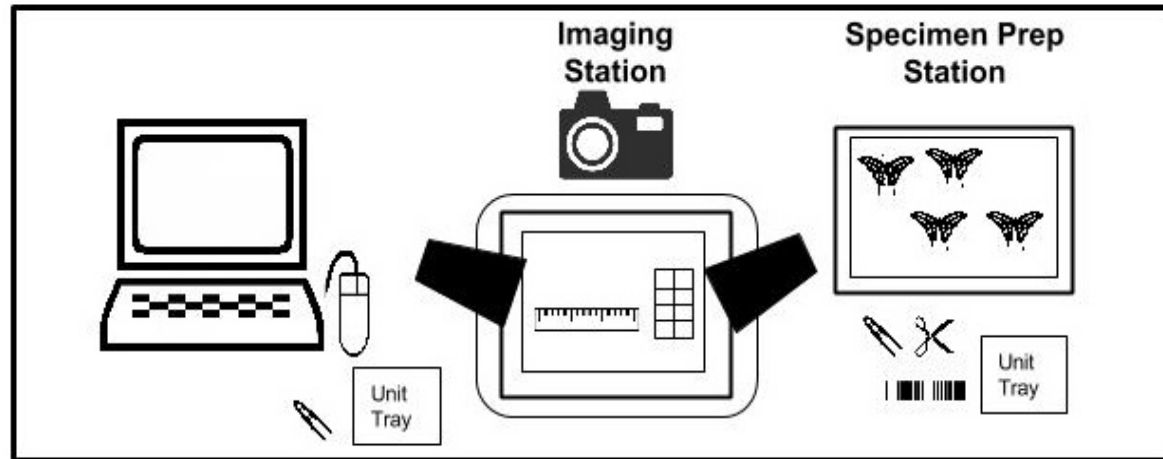
LepNet Research Collections

www.lep-net.org

1,174,161 Total specimen records
214,705 Total specimens imaged



Digitization Setup: Two Stations



Imaging Station

- Canon 7D with a 60 mm macro lens
- Copy Stand Kit
- Camera tethered to PC
- Light Box
- Glass
- Grey foam liner
- Scale
- Color Card
- Unit Tray
- Forceps
- Putty

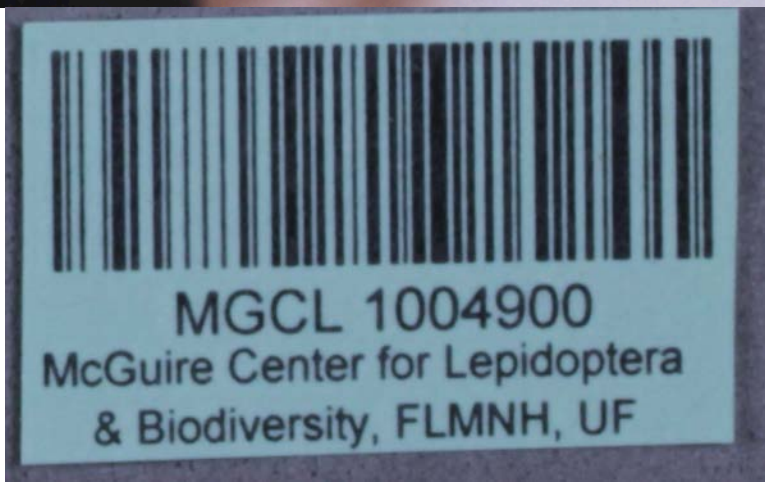
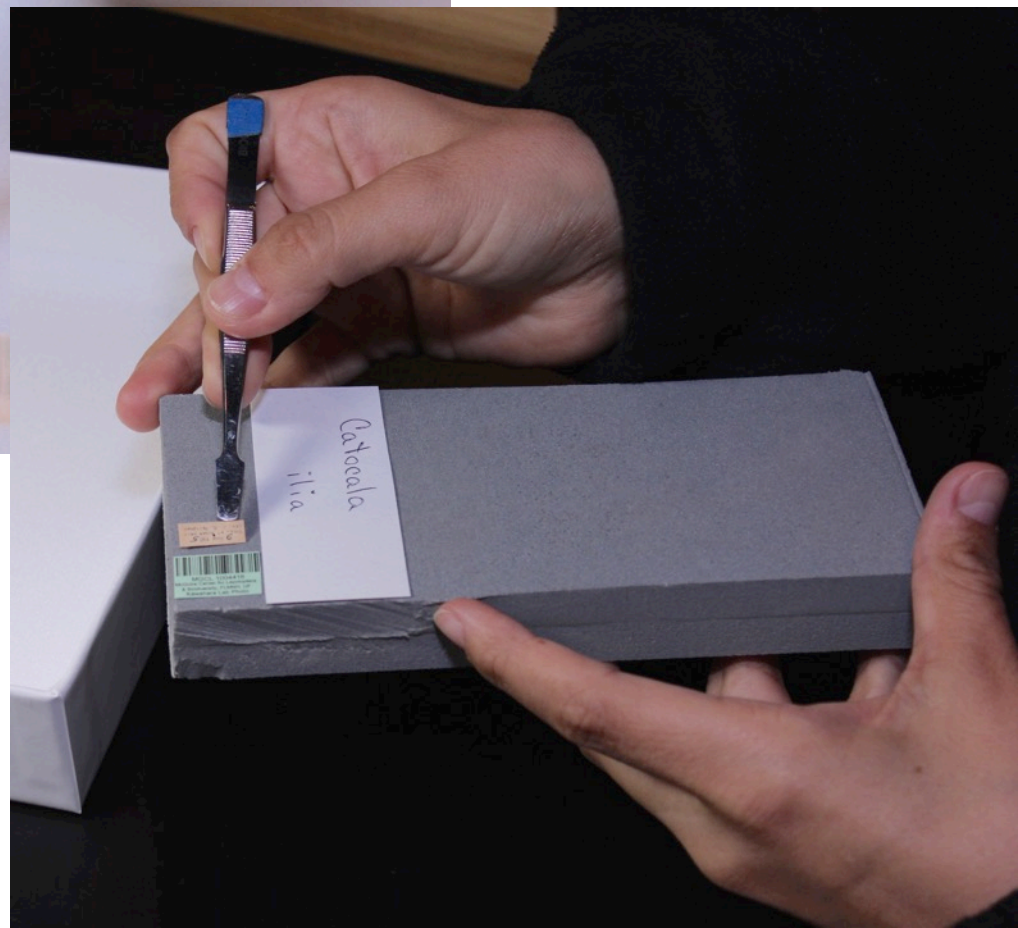
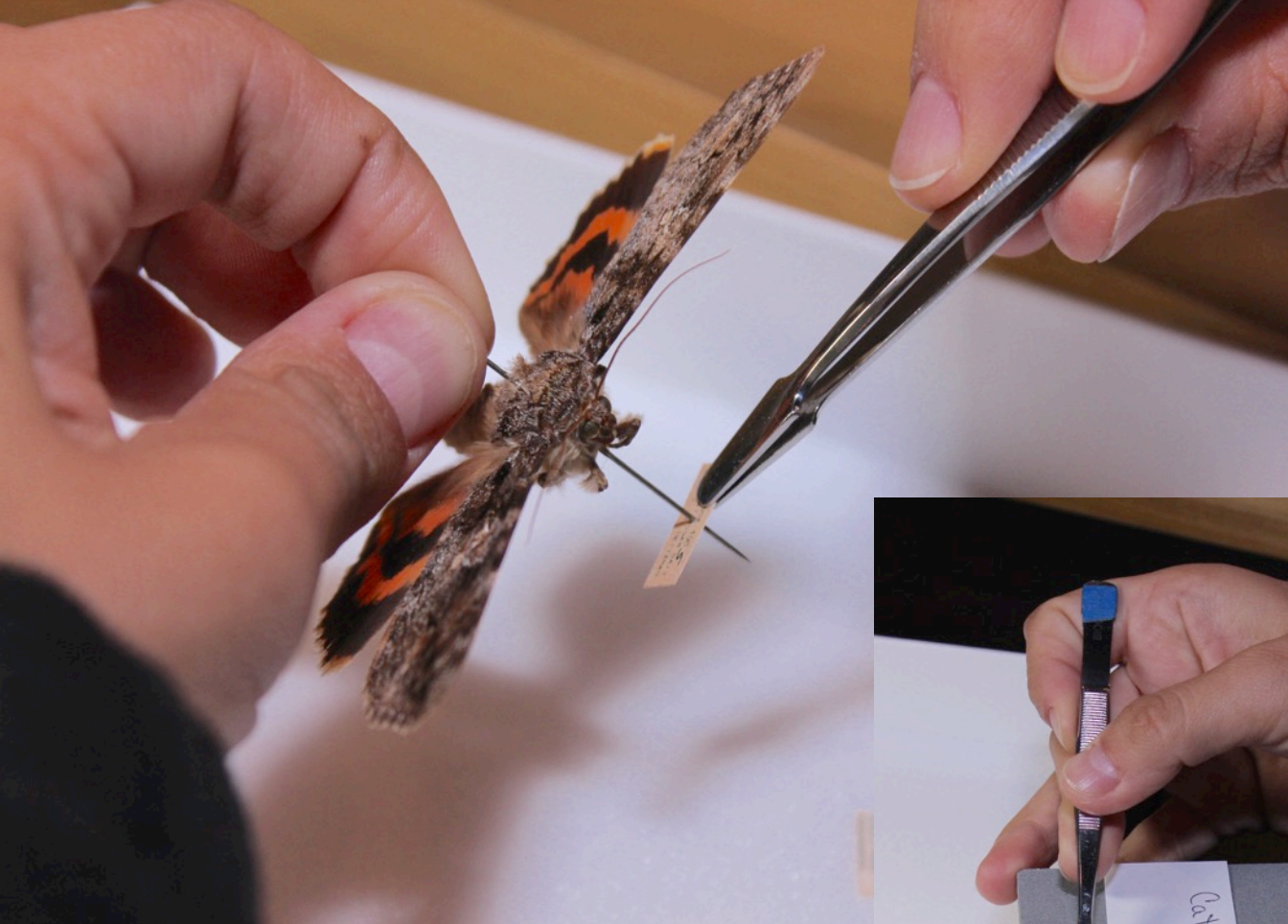
Specimen Prep Station

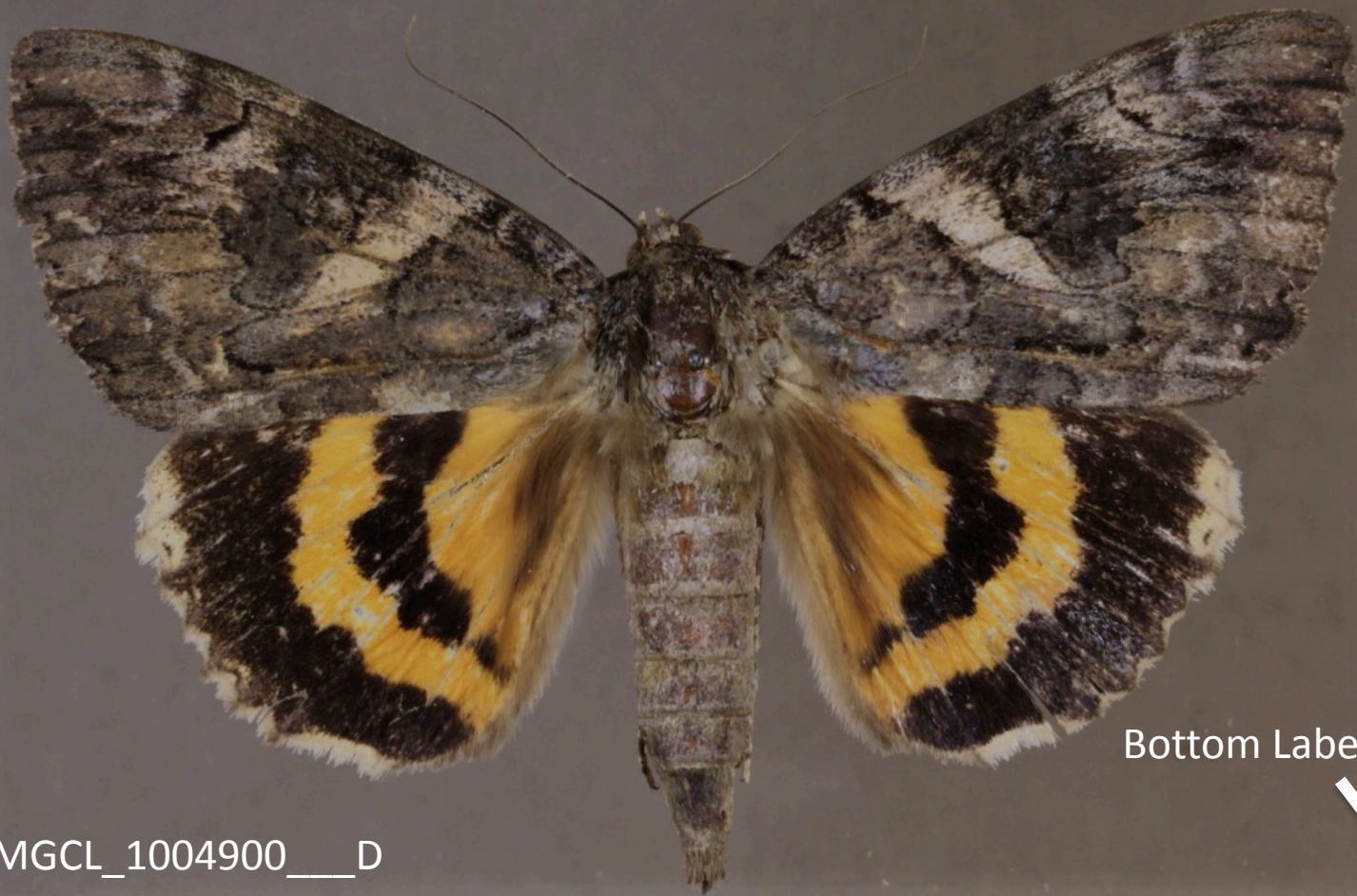
- Unit Tray
- Scissors
- Modified Flat Forceps
- Barcode Labels
- Two Gray Platforms



Averaging ~2 min or less per specimen
2 specimens are being prepped and imaged simultaneously







Top Label



3312

S. V. Fuller
det. 1959

in blacklight
trap

A.M. Phillips
coll.

Monticello,
Fla. 22 VIII 56

MGCL General Acc.

Bottom Label



MGCL 1004900
McGuire Center for Lepidoptera
& Biodiversity, FLMNH, UF

MGCL_1004900__D





CATOCALA ♀
PIATRIX.
Det. E.L. Quinter, 1972

ORANGE CO
SPEDWAY

Back of Label
←

MGCL General Acc.



MGCL 1004913
McGuire Center for Lepidoptera
& Biodiversity, FLMNH, UF

MGCL_1005913_F_V



Photograph
Specimen + Labels

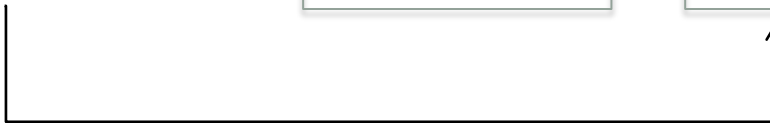


Transcription

Notes from Nature
WeDigBio



Specify







Acknowledgements

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