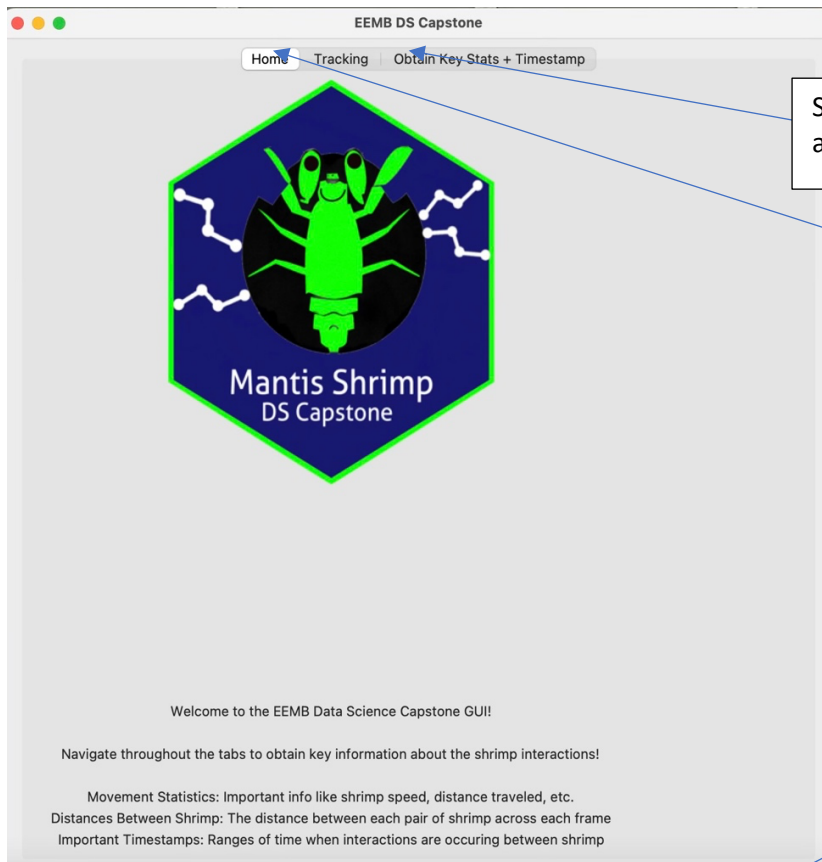


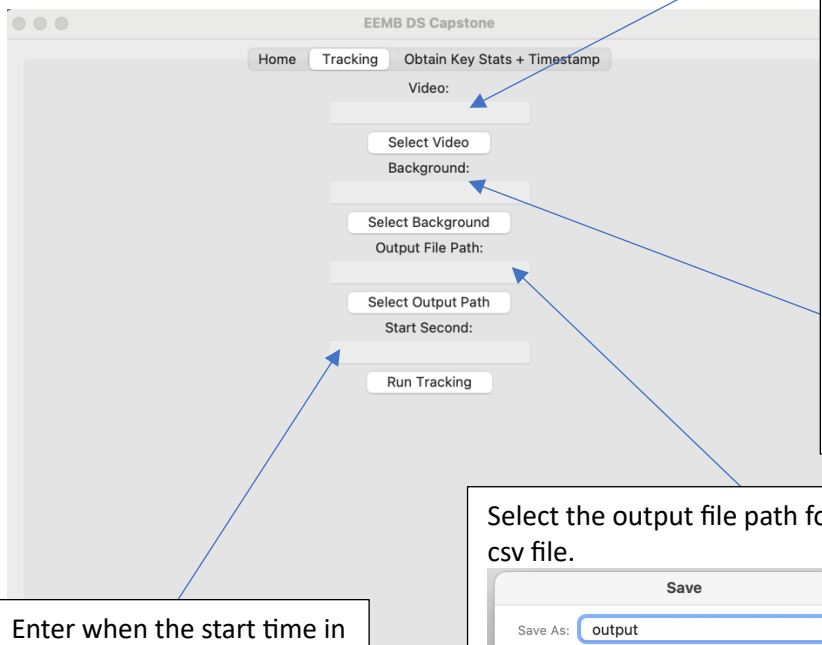
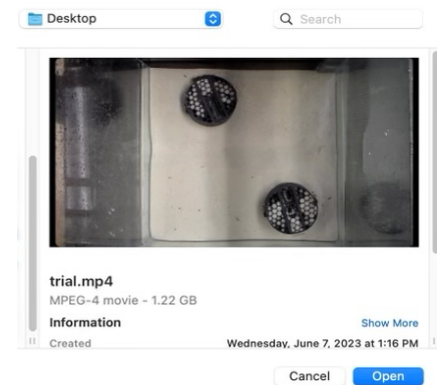
# EEMB DS Capstone Tracking, Key Values, and Timestamping GUI Manual



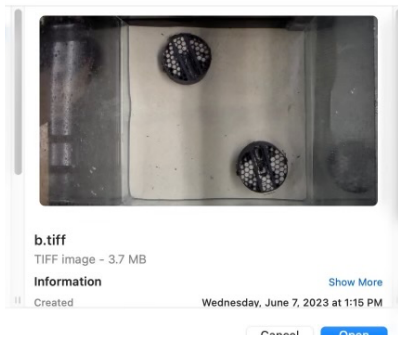
Select tab 3 for key values and timestamp.

Select tab 2 for tracking.

Select the video you want to track.

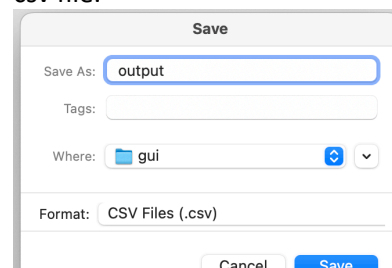


Select the background for that video. If no image is selected, it will automatically generate a background for you.



Enter when the start time in seconds of when you want to begin the tracking.

Select the output file path for the tracked csv file.



EEMB DS Capstone

Home

Tracking

Obtain Key Stats + Timestamp

Video:

/Users/ashleyson/Desktop/tria

Select Video

Background:

/Users/ashleyson/Desktop/dra

Select Background

Output File Path:

/Users/ashleyson/Desktop/dra

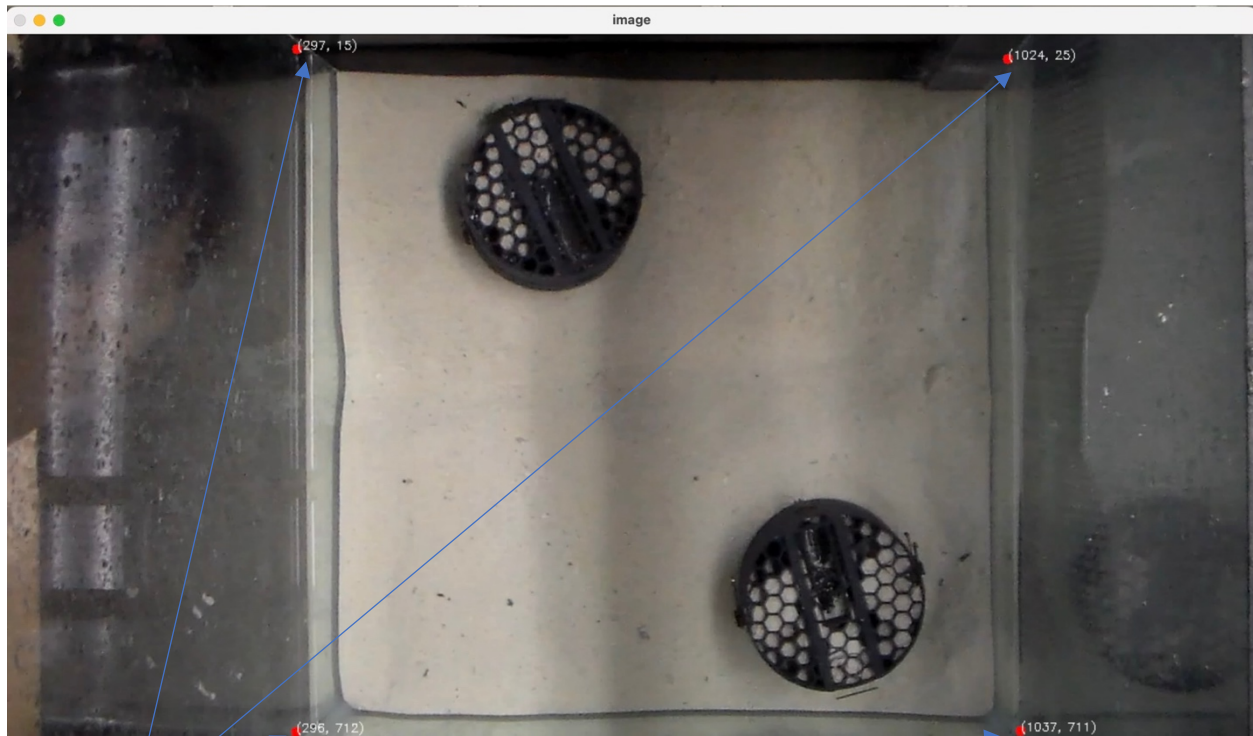
Select Output Path

Start Second:

30

Run Tracking

Once you have selected a video background, output file path, and start second, click "Run Tracking".



Once you have ran the tracking, there will be a pop up for you to initialize the four corners of the tank. Select the four corners. If you are not content with the four corners, click "n" on your keyboard to clear the points for you to reselect. If you are satisfied with the four corners, click "y" and it will direct you to the next steps.

Run Tracking

#### Burrow Count

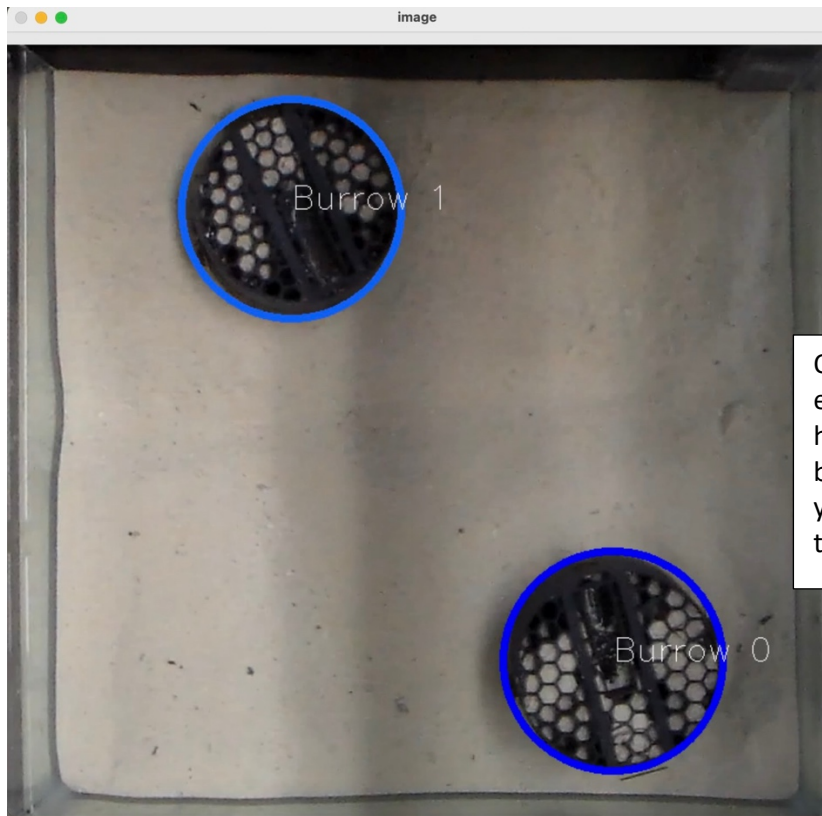
How many burrows are in the arena? (Enter an integer):

2

OK

Cancel

Enter the number of burrows within the arena.



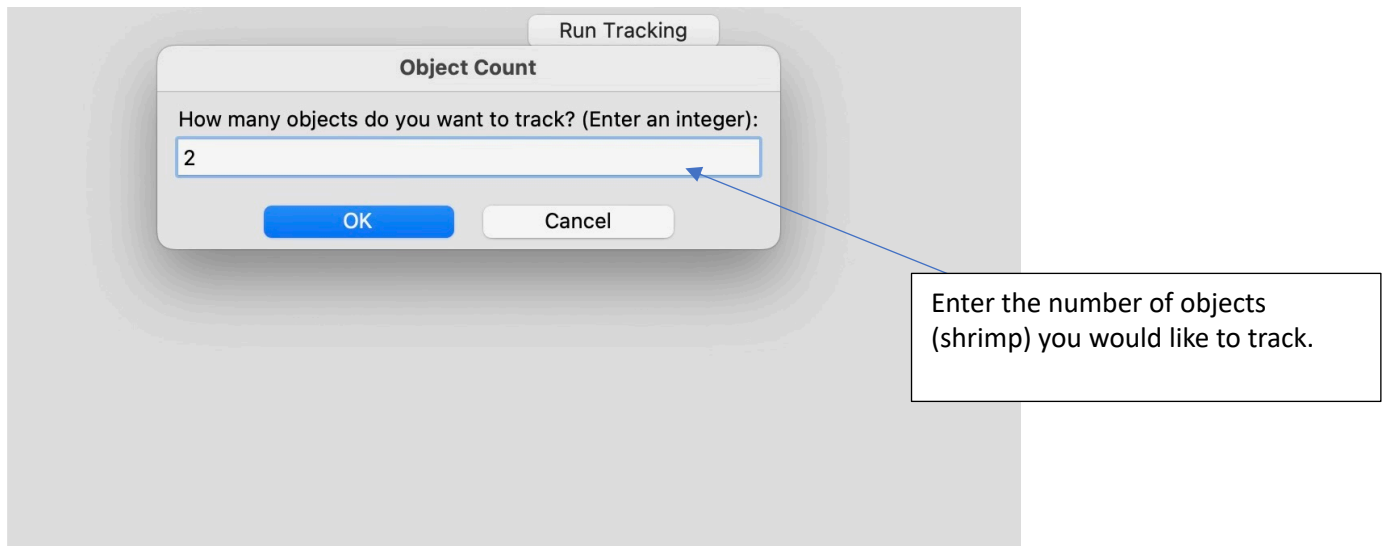
Once the number of burrows are entered, your burrows will be highlighted. Validate that the burrows are correct and click “y” on your keyboard to proceed with tracking.

Run Tracking

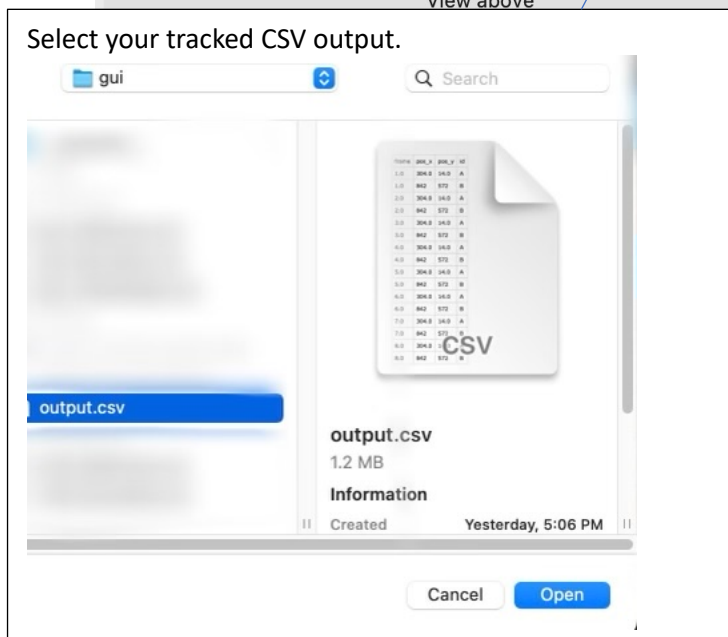
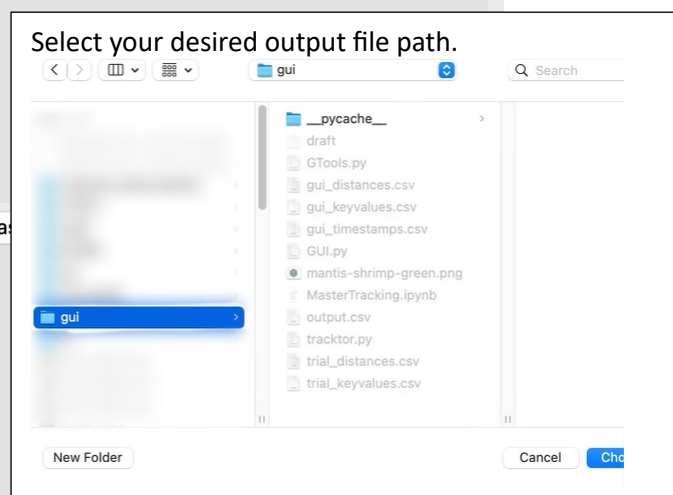
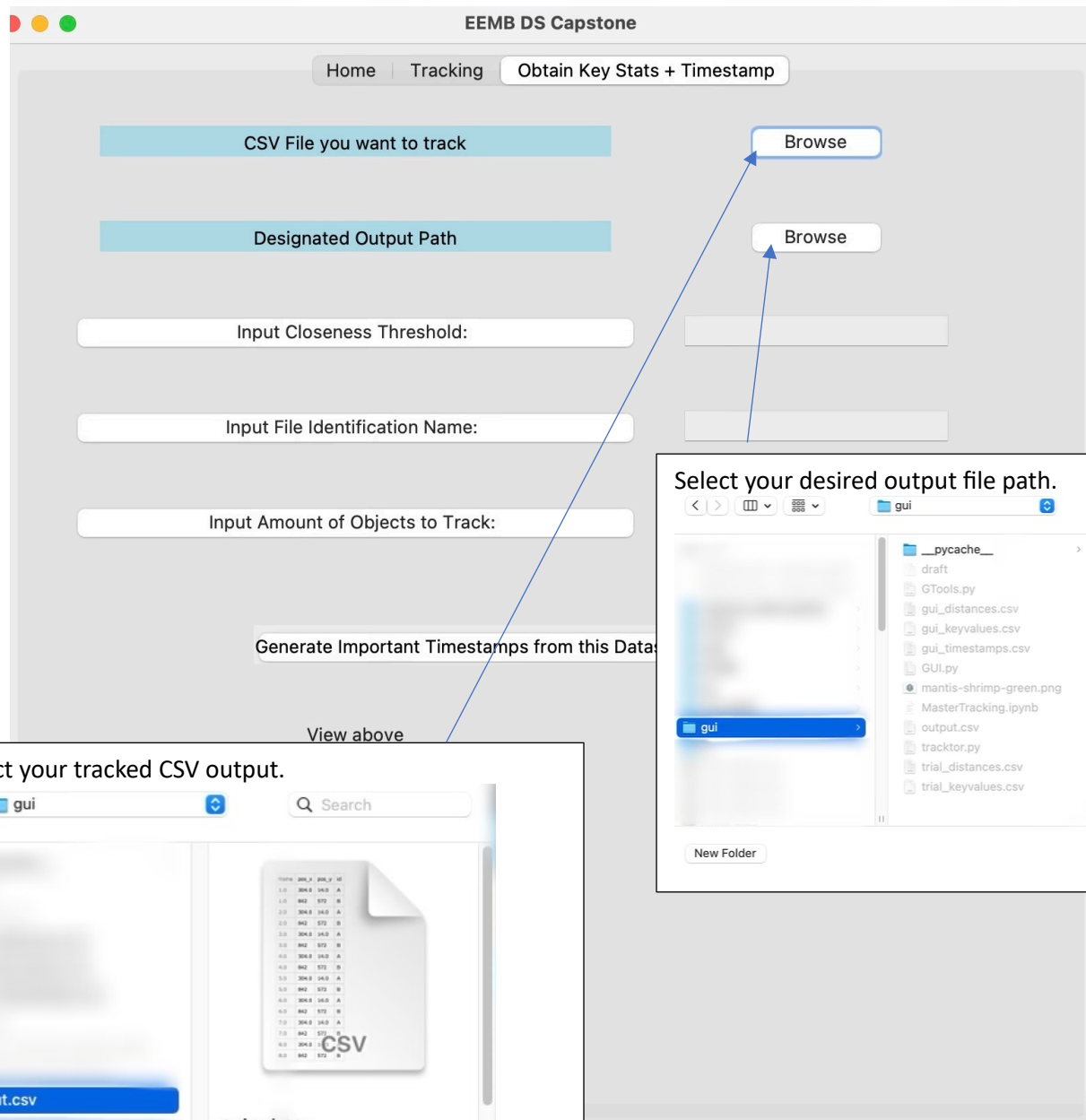
**Resident Location**

Which burrow has a resident? (Enter an integer):

Enter the burrow with the resident. If there were no residents in the burrow or both residents are residing in the burrow, you may type in either burrow’s number from the previous pop up.



Once selecting "OK," the tracking process will begin, you can find the output.csv in the same location as your video and background.  
Happy Tracking! 😊



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Home Tracking Obtain Key Stats + Timestamp

CSV File you want to track

Designated Output Path

**Input Closeness Threshold:** 100

Input File Identification Name: trial

Input Amount of Objects to Track: 2

Generate Important Timestamps from this Dataset

View above

Input the closeness threshold. This value is measured in pixels. Then click on the "Input Closeness Threshold:" button.

EEMB DS Capstone

Home Tracking Obtain Key Stats + Timestamp

CSV File you want to track

Designated Output Path

Input Closeness Threshold: 100

**Input File Identification Name:** trial

Input Amount of Objects to Track: 2

Generate Important Timestamps from this Dataset

View above

Input the identification name for the 3 csv files. Then click on the "Input File Identification Name:" button.

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Home Tracking Obtain Key Stats + Timestamp

CSV File you want to track

Designated Output Path

Input Closeness Threshold: 100

Input File Identification Name: trial

**Input Amount of Objects to Track:** 2

Generate Important Timestamps from this Dataset

View above

Input the number of objects to track. Then click on the "Input Amount of Objects to Track:" button.

Once selecting "Generate Important Timestamps from this Dataset," the process will begin, you can find the csv files in your designated output path.