



Analyzing Activity Patterns



Step 1A: Browse Data Page

- Select **“Browse Data”** at the top of the eMammal website

eMammal See Wildlife, Do Science

Home About View Photos Explore Projects **Browse Data** Resources Contact Us

Browse Data

Download Data Analyze Animal Activity Compare Diversity Summarize Survey Effort

Use the map and project selection tools below to download data from a project, a sub-project, or many projects and subprojects.

Step 1: Select an Area using the map.

Click on the box icon on the left of the map to draw a box and select data. Circles with numbers represent clustered data, the blue boxes that appear when show the area that contains data. Click on the circles with numbers to zoom in on the area.

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☒ Only use data within box

Uncheck to include all data from any project that has at least one deployment within the box. This will select data from outside of the box.



Step 1A: Browse Data Page

- Click on the “Analyze Animal Activity” tab

eMAMMAL See Wildlife, Do Science

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Browse Data

Download Data **Analyze Animal Activity** Compare Diversity Summarize Survey Effort

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Step 1B: Zoom to Desired Area

- Using the **+** and **-** buttons on the map, zoom into the geographic area of one of your desired projects.
- TIP: As you zoom, the screen may not be centered where you want it to. When you hover over the map, you can click and drag the screen to recenter.

The screenshot shows the eMAMMAL web application interface. At the top, there is a navigation bar with the eMAMMAL logo, the tagline "See Wildlife, Do Science", and a "Login" button. Below the navigation bar is a menu with links: Home, About, View Photos, Explore Projects, Browse Data, Resources, and Contact Us. The main content area is titled "Analyze Animal Activity" and includes tabs for "Download Data", "Analyze Animal Activity", "Compare Diversity", and "Summarize Survey Effort". A red arrow points from the text in the first bullet point to the zoom controls on the map. The map shows a world map with various regions labeled: NORTH AMERICA, SOUTH AMERICA, EUROPE, AFRICA, ASIA, and AUSTRALIA. There are several colored circles with numbers on the map, representing clustered data. A blue location pin is visible in North America. A red box highlights the zoom controls (plus and minus buttons) on the left side of the map. Below the map, there is a checkbox labeled "Only use data within box" which is checked. A note below the checkbox states: "Uncheck to include all data from any project that has at least one deployment within the box. This will select data from outside of the box."

Step 1: Select an Area using the map.

Click on the box icon on the left of the map to draw a box and select data. Circles with numbers represent clustered data, the blue boxes that appear when show the area that contains data. Click on the circles with numbers to zoom in on the area.

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- **button,**





Step 2A: Choose Projects

- Once your desired area is selected, you can scroll below the map and select the projects you want to include in your analysis.
- For this exercise, select **“Add all projects.”** It may take a few moments for the list of projects to load. While they are loading, a timer icon will appear below the –Select a project – box.

Step 2: Choose projects.

Select projects using the drop-down menu below and then click the "Add selected data" button. You may only select one project at a time.

Project

– Add all projects –

Sub-project

To select a sub-project, first choose a project and then select a sub-project. Repeat to add another sub-project.

Add selected data

Reset data



Step 2B: Add Projects

- Once you have selected your projects, be sure to click **“Add selected data”** and wait for it to load (the same timer icon will appear, indicating when it is still working). Once processed, your selected projects will appear above the “Project” box.

Step 2: Choose projects.

Select projects using the drop-down menu below and then click the "Add selected data" button.

- / All Sub-projects
- BYO Camera / All Sub-projects
- Carl Sandburg Home NHS Bear Project / All Sub-projects
- Effect of consumptive and non-consumptive recreation on mid-Atlantic wildlife / All Sub-projects
- Independent Camera Trap Survey Project / All Sub-projects
- Museums Connect United States / All Sub-projects
- NCSU Camera Trapping / All Sub-projects
- North Carolina's Candid Critters Project / All Sub-projects
- Prairie Ridge Project / All Sub-projects
- Raleigh Backyard Sustainability Survey Project / All Sub-projects
- Schenck Grid Project / All Sub-projects
- Smithsonian BioAcoustic Monitoring Project / All Sub-projects
- Stone Mountain Trail Building Project / All Sub-projects
- Students Discover North Carolina / All Sub-projects
- The NC Chapter of The Nature Conservancy Preserve Camtraps / All Sub-projects
- Triangle Camera Trap Survey Project / All Sub-projects
- Urban to Wild Project / All Sub-projects
- Wildlife in Your Watershed Project / All Sub-projects

Project

-- Select a project --

Sub-project

To select a sub-project, first choose a project and then select a sub-project. Repeat to add another sub-project.

Add selected data

Reset data



Step 3: Choose Species

- It may take a few moments for the species list to load after you finish Step 2. Once the timer icon is gone, click on the arrow in the “Select a species to add” box and select your desired species. For Part 2, Question 3, you will first select *Sciurus carolinensis* (Eastern Gray Squirrels).
- For this activity, only **run an activity analysis on one species at a time.**

Step 3: Choose Species

Choose species from the menu and then click the "Add selected species" button. You can download data for all species or for selected species only. To download data for multiple species select and add species one at a time.

Select a species to add

- Add all species -

Species names are Scientific name/Common Name (# detections in map box)

Add selected species

Remove last species

- Once you have selected your species click on “Add selected species”.

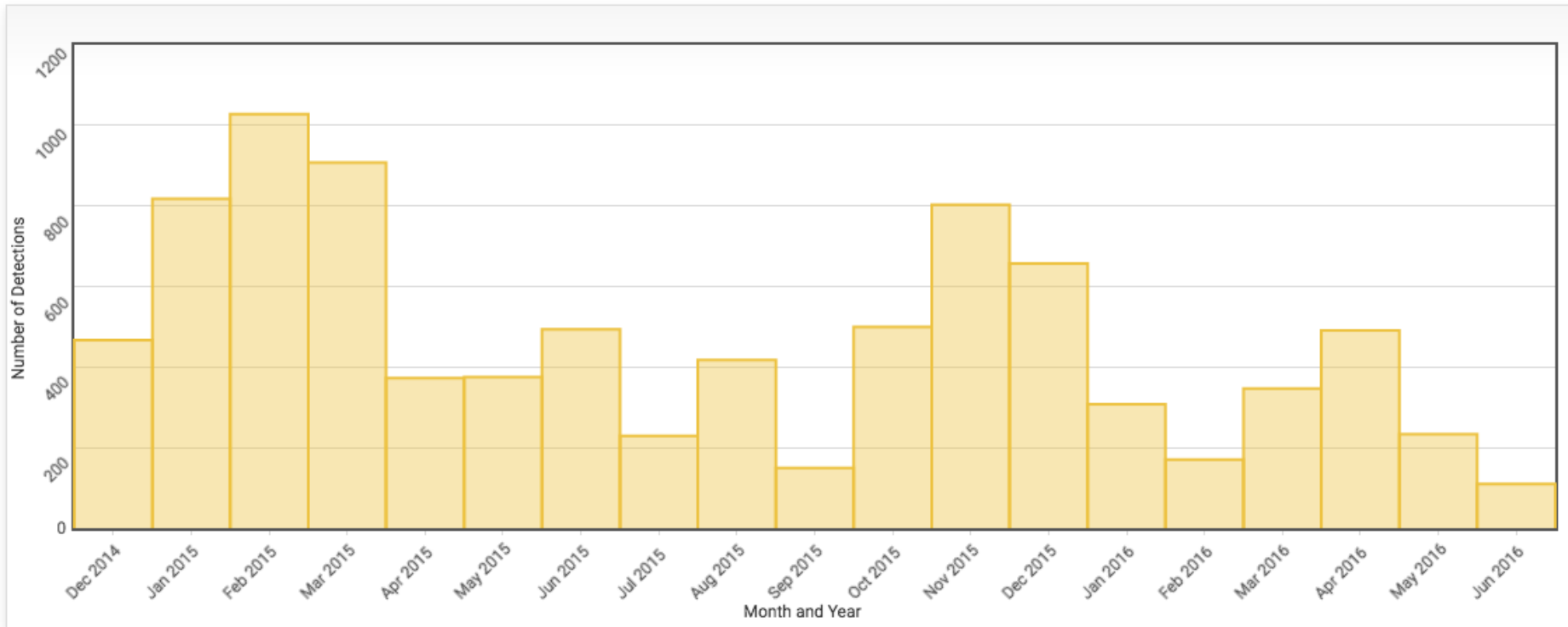


Step 4: Select date range

- You have the option of selecting the date range for the downloaded data. For this exercise we want all dates, so **do nothing**.

Step 4: Select date range.

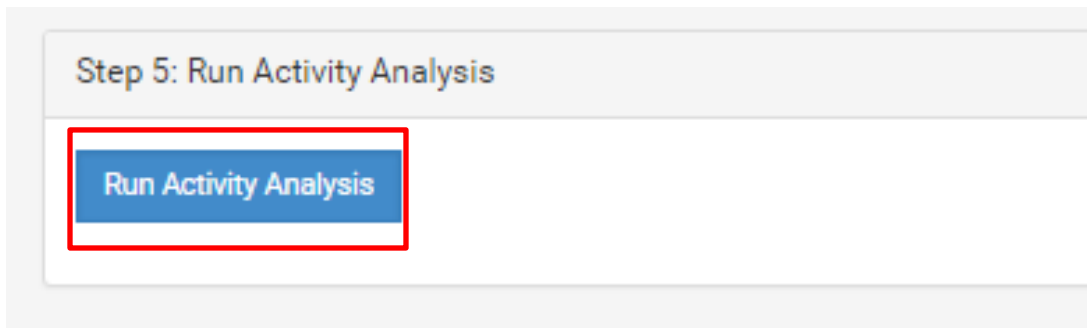
Do nothing to select all data. Click and drag to select a subset of data by month and year.





Step 5: Run Activity Analysis

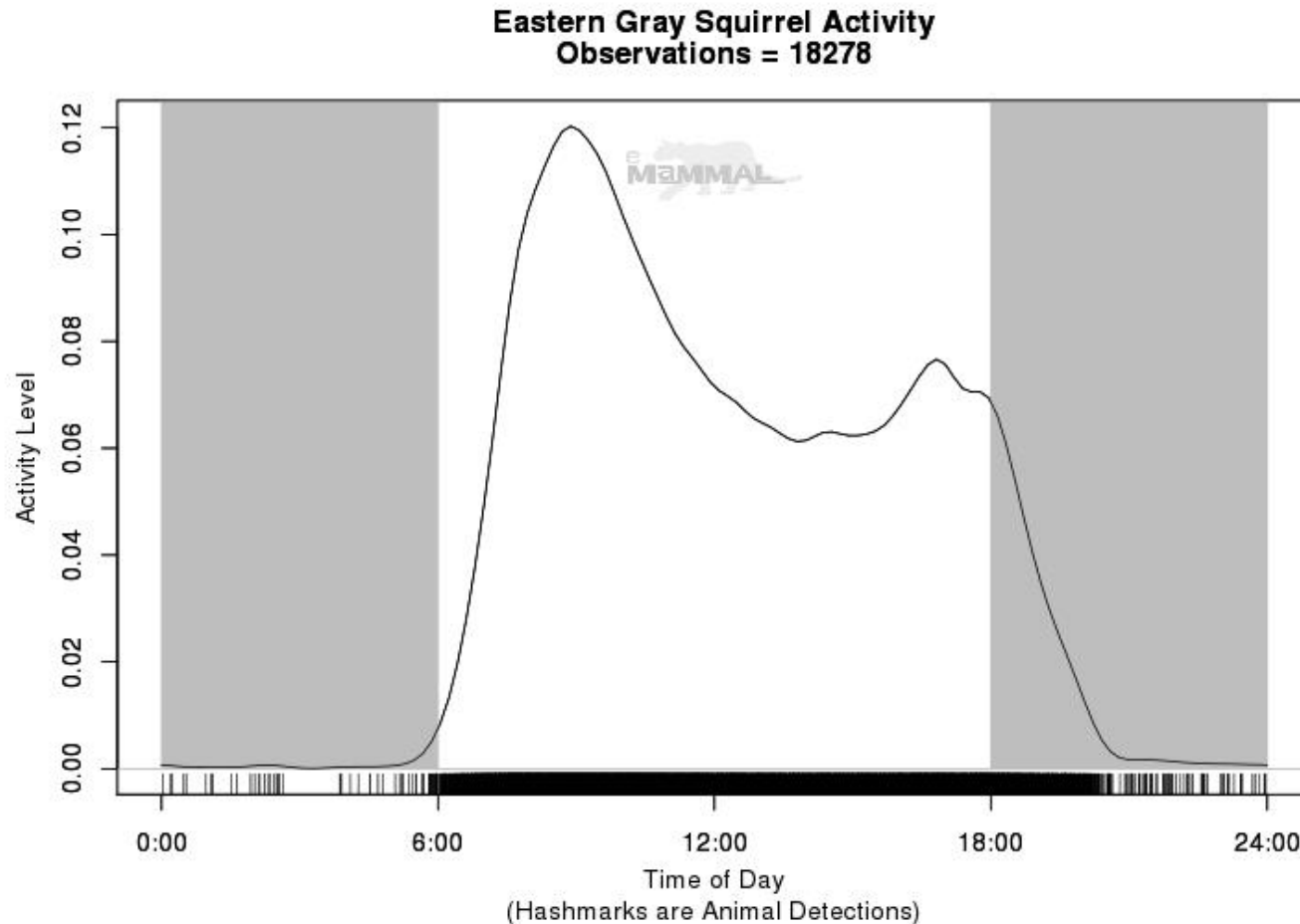
- Click “Run Activity Analysis” and wait for the response graph to appear. This may take a few moments.





Step 6: Interpreting an eMammal Activity Pattern Output

- Your squirrel graph should look like this. Right-click on the image to save it or open it in a new tab.





Additional Species?

Back to Step 3: Choose Species

- Once you have saved or recorded the data from your squirrel graph, return to Step 3 and click the “Remove last species” button.
- Once squirrels have been removed, click on the arrow in the “Select a species to add” box and select your desired species.
- For this activity, only **run an activity analysis on one species at a time.**

Step 3: Choose Species

Choose species from the menu and then click the "Add selected species" button. You can download data for all species or for selected species only. To download data for multiple species select and add species one at a time.

Select a species to add

- Add all species -

Species names are Scientific name/Common Name (# detections in map box)

Add selected species

Remove last species

- Once you have selected your species click on “Add selected species” and repeat steps 4-6.