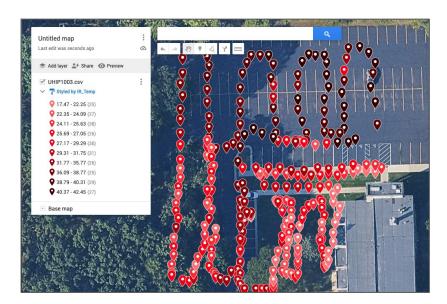
#### https://mymaps.google.com



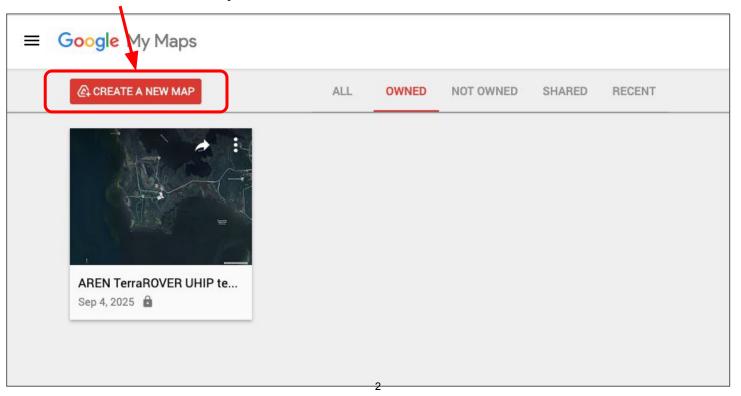
Once you have collected data with your TerraROVER and Urban Heat Island Instrumentation package, you need a way to visualize the data. One fast and easy way to accomplish this is with Google My Maps, a free online data visualization tool. All you need to use it is a Google account. This tool will allow you to plot and symbolize your data with a color ramp over a variety of basemaps - including fairly high resolution imagery.

The next few pages will walk you through the process of plotting your data, symbolizing it with a color ramp to represent the surface temperature values, and changing the basemap to view the the data over background imagery. You can then begin to look for correlations and patterns between the surface temperature data and the surface materials on which they were collected.



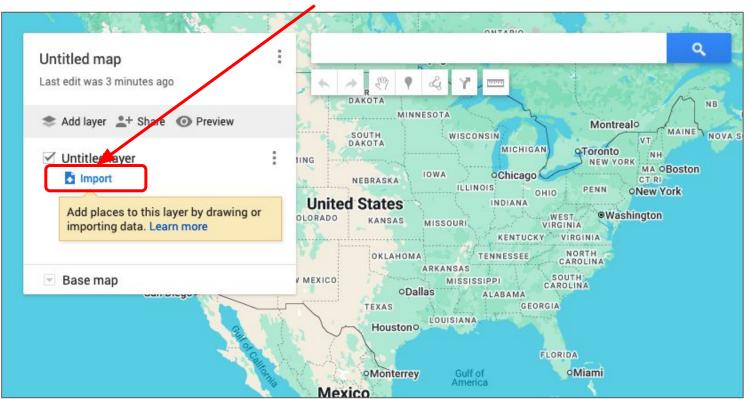
AREN

- Open Google My Maps: <a href="https://mymaps.google.com">https://mymaps.google.com</a>
- 2. Click the **Create a New Map** button



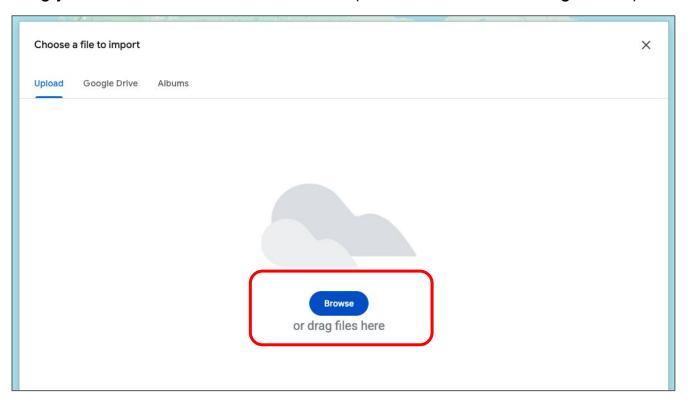


3. In the popup, under Untitled layer, click **Import** 



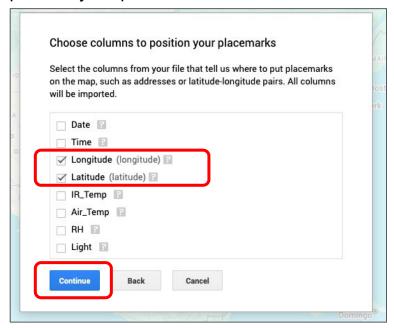
AREN

4. Drag your UHIP CSV file into the window (or click Browse and navigate to it)



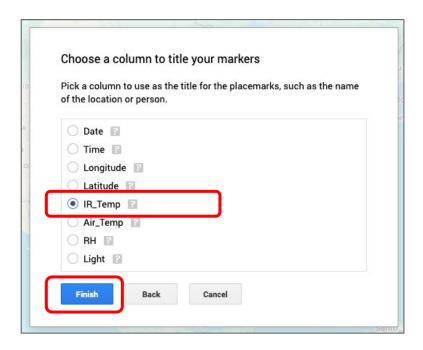


5. Make sure **Longitude** and **Latitude** are selected in the "Choose columns to position your placemarks" window



6. Click Continue

7. Select **IR\_Temp** as the column to title your markers

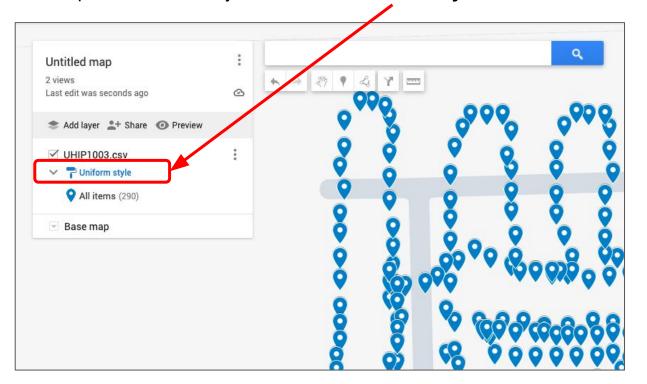


8. Click Finish

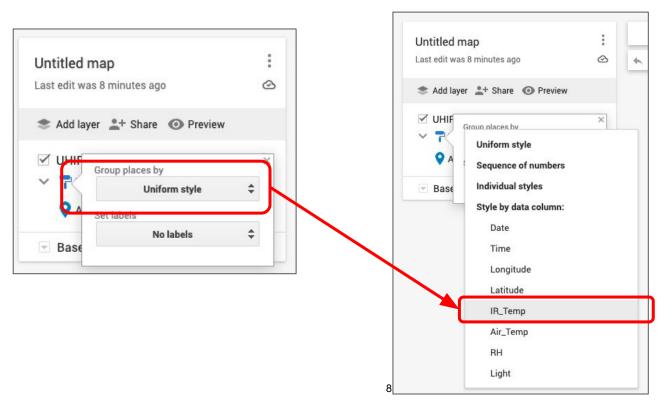


AREN

9. The map will redraw with your data. Click **Uniform style** in the info window.



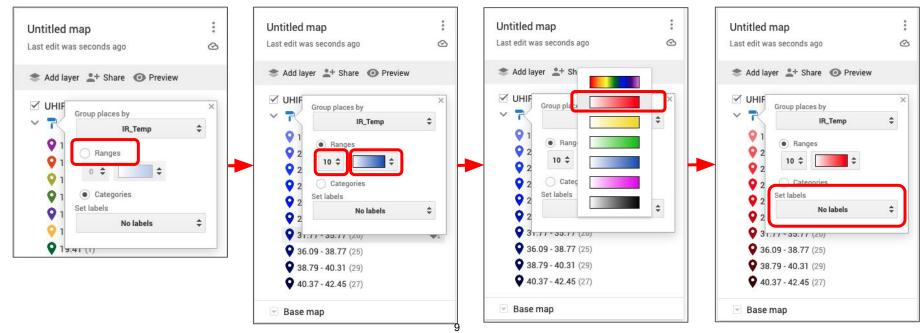
- 10. Click the **Uniform style** button in the pop up
- 11. Select **IR\_Temp** from the **Style by data column** in the dropdown menu





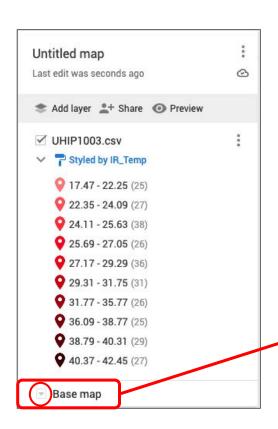
AREN

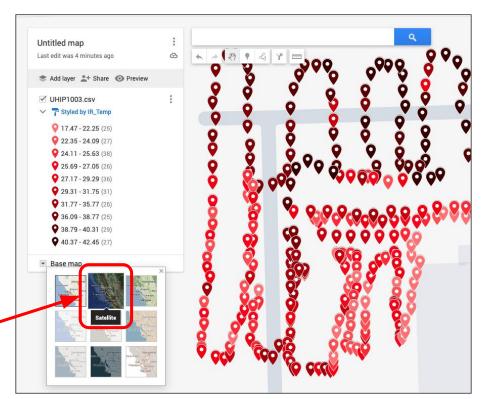
- 12. Click the **Ranges** button to change the style type
- 13. Change number to **10**
- 14. Click the color ramp and select the **red** ramp from the pop-up
- 15. Leave **Set labels** set to **No labels** (the default)





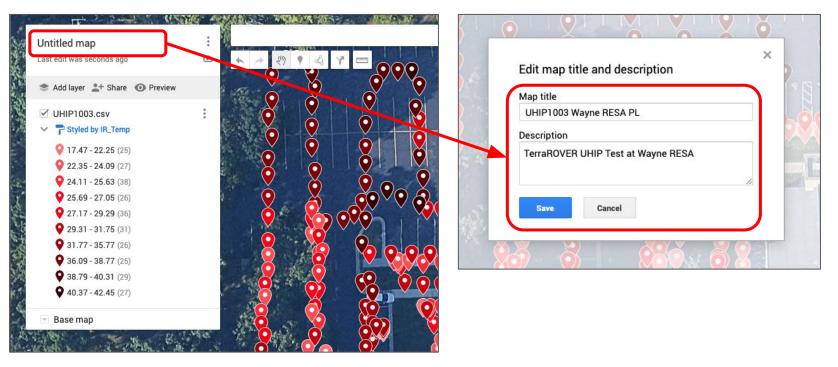
16. Click the down arrow next to Basemap and select Satellite from the dropdown menu





AREN

- 17. Click on **Untitled map** to open the save window
- 18. Name your new map, provide a brief description, and click **Save**





Explore your new map. You can hover over or select an entry in the legend to see the distribution of points in that range. (You can also select multiple entries.) You can also click on any point to see its value.

Try symbolizing a different field - air temperature, for instance. (Select Air\_Temp in step 12 instead of IR\_Temp.)

Do you notice any correlations between the surface temperature (IR\_Temp) and the air temperatures? What else could you explore with this

What else could you explore with this tool?

