

What's Hot at the Mall?

1. Open the **Madison Square Mall.kml** file in Google Earth. This is the aerial imagery of the area around the Madison Square Mall area in Huntsville, Alabama.
2. Examine the daytime **thermal image** in the figure below of the same area. In the **thermal image**, **warmer** temperatures are represented by **lighter shades of gray and white**. **Cooler** temperatures are represented by **darker shades**.



1. What is the largest warm feature on the image? (Hint: look for white areas).
2. What other features in the image are warm?
3. What is the largest cool feature on the image? (Hint: look for dark areas).

4. What other features in the image are cool?

5. Can you locate any cool spots in the mall parking lot area? What do you think these are?

6. Why do you think some areas are warmer than other areas? For example, why do you think the shopping mall parking lot is warmer than the trees located south of the mall? (Hint: Think about sitting under a tree on a hot, summer day).