

# Day and Night Land Surface Temperatures (8-day average) from the MODIS Sensor

Urban heat islands are visible in these images, particularly in the spring and summer maps. Urban areas may be as much as 10 degrees F warmer than adjacent rural areas primarily due to the effects of asphalt, concrete and lack of vegetation in urban areas.

Proximity to significant bodies of water also has an effect on land surface temperatures. In the day-time images, the land immediately proximate to water is cooler than land areas more distant from the water. At night, the land areas closest to bodies of water are warmer than land areas more distant to bodies of water.

8-day average of day/night land surface temperatures from MODIS data (MOD11A2) from LPDAAC Data Pool.

Map created by VirginiaView 12/27/2006  
<http://www.VirginiaView.net/>

