

This image depicts Collection 2 Level-1 data captured by the Landsat 9 OLI TIS satellite. The image was captured on November 24th, 2022 between 18:15:45 and 18:16:17. The spatial resolution of the panchromatic band is 15 x 15 m, and the spatial resolution of every other band is 30 x 30 m. Landsat 9 captures raw data with a 14-bit radiometric resolution, however the Collection 2 Level-1 data is scaled to a 16-bit radiometric resolution. The image displays WPS Path 039 and WPS Row 035. This study area covers portions of Arizona, California, and Nevada, including the Western end of the Grand Canyon, Lake Mead, Colorado river, Lake Mohave, Valley of Fire State Park, Desert National Wildlife Range, Mount Charleston, Bullhead City, and Las Vegas. In this image there are deep ridges lining the edges of the Grand Canyon, and bright areas pinpointing mountainous terrain. Most of the terrain is a brown depicting the Mojave Desert, however Las Vegas stands out as a vivid green valley off of Lake Mead.

