

Kansas Satellite Image Database

Display Suggestions for ArcMap

Displaying the TM Panchromatic, False Color Composite, and Resolution-enhanced images in ArcMap

The TM panchromatic (pan), false color composite (fcc), and resolution merged (fuse) images have been stretched to provide good brightness and contrast for application in both GIS and simple graphic display. The display background value of '0' should be set to 'No Color'.

Displaying the NDVI images in ArcMap.

The NDVI image has been given a color ramp color scheme. Low NDVI values are represented by dark brown, while high NDVI images are represented by dark green. This color scheme is standardized between counties (i.e., values and colors are directly comparable). If desired, the NDVI image can be displayed in black-and-white. Using a stretch similar to that described next will improve contrast. The display background value of '0' should be set to 'No Color'.

Displaying the Landsat TM images in ArcMap.

ArcMap will display multiband tif images. The initial defaults for the display are to assign bands 1,2,3 to RGB with no stretch. The defaults do not produce a satisfactory display for viewing. Two standard ways, and one enhanced way, of displaying Landsat TM imagery are:

A) False color composite (traditional)

1. set Band assignment 4,3,2 to RGB
2. set Stretch using Standard Deviations with 'n' set between 2 and 3
3. set Display Background Value of '0' to 'No Color'

B) False color composite (enhanced grasslands)

1. set Band assignment 4,5,6 to RGB
2. set Stretch using Standard Deviations with 'n' set between 2 and 3
3. set Display Background Value of '0' to 'No Color'

B) Natural color composite

1. set Band assignment 3,2,1 to RGB
2. set Stretch using Standard Deviations with 'n' set between 2 and 3
3. set Display Background Value of '0' to 'No Color'