

NDVI is calculated as a ratio between the red (R) and near infrared (NIR) values in the traditional fashion:

$$NDVI = \frac{NIR - R}{NIR + R}$$

In Landsat 4-7, NDVI is calculated as:

$$NDVI = \frac{Band4 - Band3}{Band4 + Band3}$$

In Landsat 8-9, NDVI is calculated as:

$$NDVI = \frac{Band5 - Band4}{Band5 + Band4}$$