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OBTAINING THE LAND SURFACE TEMPERATURE FROM LANDSAT DATA IN THE APRM
PENINSULA DE ZAPATA

Abstract

The protected area APRM Peninsula de Zapata is a very large and difficult to access area; with very high biodiversity values and almost unique characteristics that distinguish it from other wet-les country. At work the methodological procedure shown to determine the temperature of the earth your-surface from thermal bands obtained by TIRS of Landsat sensors, for that first were converted to values of spectral radiance values ND contained in the pixels and then a brightness temperature in Kelvin (k) for using of the supplied thermal constant in the metadata file USGS from the application of the correction in the land surface emissivity using for this portion of the vegetation. Also the preliminaries results of its practical application are shown in the APRM Peninsula de Zapata.