



Using a single band Nano Satellite for EO: Lessons learnt from BGUSAT

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In the past years several Earth Observations (EO) missions using nano-satellites have been successfully launched and used. Forecasts for the upcoming years display an increase of these missions. BGUSAT is an example of such remote sensing single band, SWIR sensor and a spatial resolution of 600 meters per pixel. Such a sensor upraises the question of tradeoff between spatial resolution and spectral coverage according to the scientific usage. Thus, a comparison of BGUSAT images with other well established and known earth observation satellites such as LANDSAT 8 images, were used to investigate the potential contribution of a single band images.