

**RESULTS OF THE APPLICATION OF A ROBUST METHOD FOR
DETECTION OF TEMPORAL/SPATIAL ANOMALIES APPLIED TO MODIS
IMAGERY AND FOCUSING ON AN EXAMINATION FOR EVIDENCE OF
A THERMAL PRECURSOR TO THE GUJARAT EARTHQUAKE OF 2001.**

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ABSTRACT:

A robust satellite technique (RAT) has been presented in the literature and applied to satellite imagery in many cases, to show the existence of thermal anomalies presenting themselves prior to earthquake events. This work utilises the same method, applying it to 6 full years of MODIS imagery of the Gujarat region. Based on the examination conducted there may be a thermal anomaly apparent prior to the Gujarat earthquake event but its magnitude is comparable to (and even subordinate to) other thermal anomalies occurring within the period examined. Relating the potential thermal anomaly to the earthquake event therefore, is troublesome and perhaps misleading.