Highlights from the Telescope Array

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The Telescope Array measures the properties of ultra high energy cosmic ray induced

extensive air showers. We do this using a variety of techniques including an array of

scintillator detectors to sample the footprint of the air shower when it reaches the Earth’s

surface and telescopes to measure the fluorescence and Cerenkov light of the air shower.

From this we determine the energy spectrum and chemical composition of the primary

particles. We also search for sources of cosmic rays and anisotropy. We have found evidence

of a possible source of ultra high energy cosmic rays in the northern sky. The experiment

and its most recent measurements will be discussed.