

# Ultra-low-frequency gravitational wave searches with the Parkes Pulsar Timing Array

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I will provide a status update on the Parkes Pulsar Timing Array project in which the Parkes radio telescope in Australia is used to observe millisecond pulsars with the primary goal of detecting ultra-low-frequency gravitational waves. I will highlight our recent results relating to gravitational waves and terrestrial time standards, will demonstrate how our current data sets are limited by our knowledge of the solar system and describe the scientific implications of our current bounds on the amplitude of gravitational waves. I will conclude by discussing the role of the Parkes Pulsar Timing Array in the Asia-Pacific region in the near future.