



The Canadian Spatial Reference System Precise Point Positioning Service: Today and Tomorrow

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The Canadian Spatial Reference System Precise Point Positioning Service (CSRS-PPP) enables precise positioning anywhere on Earth, including remote regions with no local surveying infrastructure. Developed for Canada's surveying community this free-to-user post-processing service has been adopted by an expanding global geoscientific clientele. The service computes on average more than 1600 positions each day, most for geoscience purposes. Users submit RINEX files through a web interface, desktop application or a script. Outputs include estimated position, tropospheric zenith delay and receiver clock offsets.

Modernization completed in 2018 provides a pathway to new features such as ambiguity resolution and precise ionospheric corrections which are expected in 2019. We welcome the IGS PPP Ambiguity Resolution working group which will facilitate future advances, and sincerely thank IGS member organizations who provide data essential to the operation of the service.