

Quality Control and Integrity Monitoring of the Victorian GPS Reference Station Network

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ABSTRACT

Permanent GPS reference station networks are being established worldwide following the establishment of GPS as a primary means for spatial data acquisition. Often these networks are used to augment the regional geodetic framework, such as GPSnet in Victoria, Australia.

As a key component of the geodetic infrastructure, high importance is placed upon quality control and integrity monitoring of the GPSnet reference network. There are two key components to such a quality system: analysis of the raw observations and stability monitoring. This paper discusses the operational environment of GPSnet with emphasis given to quality and integrity issues. The policies, procedures and techniques and studies being used to manage and accommodate these quality concerns are examined.

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