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Geodetic Time Series Analysis in Earth Sciences

- Summarizes the technologies and space missions and the rapid advances in geodesy associated with them
- Provides an overview of current standards of geodetic time series measurements and analysis
- Contains overview of geodetic software and where to obtain them

This book provides an essential appraisal of the recent advances in technologies, mathematical models and computational software used by those working with geodetic data. It explains the latest methods in processing and analyzing geodetic time series data from various space missions (i.e. GNSS, GRACE) and other technologies (i.e. tide gauges), using the most recent mathematical models. The book provides practical examples of how to apply these models to estimate sea level rise as well as rapid and evolving land motion changes due to gravity (ice sheet loss) and earthquakes respectively. It also provides a necessary overview of geodetic software and where to obtain them.

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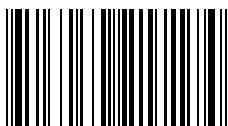
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