

Pixalytics

Deriving Water Heights



The Virtual Water Gauge software uses satellite altimetry to determine water heights in estuaries, rivers and lakes providing clients with an alternative to physically installing a water gauge. The measurements are unaffected by weather conditions and available globally. This product can also be used to map flood water and understand

changing water heights.

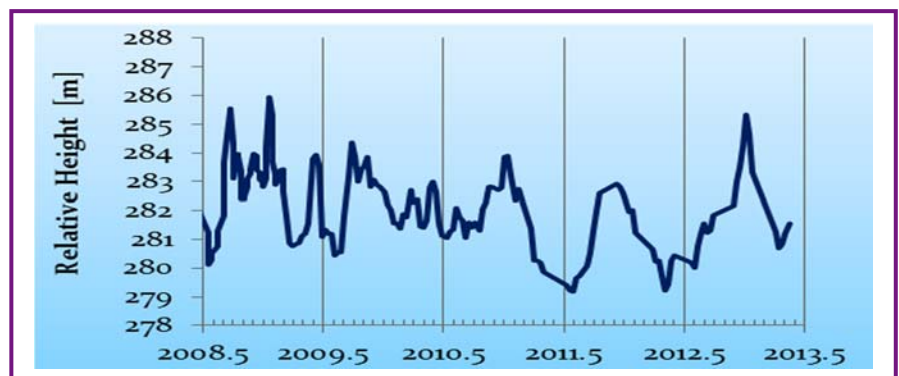
Benefits

- Time savings through easier data availability.
- Financial savings through not having to maintain physical equipment or record *in situ* measurements.
- Allows the processing of historical data for new sites.
- Robust data collection through reduced reliance on physical infrastructure.
- Maps areas, rather than single points.

Applications

- Supporting risk assessments and environmental analysis.
- Assist in decision making for water management and flood mapping.
- Collection of water levels across large areas, including remote locations.
- Historical analysis of sites before, or where no, gauges exist.

Right: Water heights (above reference ellipsoid) for the Congo using satellite altimetry from Jason-2, input waveform data courtesy of Aviso. Depending on the location of interest the data may come from different satellite missions.



Call Sam or Andy today to discuss your requirements on +44 (0)1752 764407.

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