

QCTOOL V5

Windows 11, Windows 10, Windows 8, Windows 7, Vista

Gravity:

Upgrades to Gravity Corrections: particularly terrain and isostatic corrections. Accurate isostatic corrections are critical for gravity as these offset the terrain corrections. For example, if significant terrain then the terrain reductions are too large and need to be offset with the effects of the weight of the terrain on crustal thicknesses which are the isostatic corrections.

Aeromagnetic Compensation:

Augmentation for low altitude compensation box flights has been accomplished. Additionally, compensation is now available using aeromagnetic manoeuvres (IMU) data both for total field data and vector data. Vector data can now be well compensated with the use of IMU data

Gradient Calculation and De-Rotation:

Tools are now present for the calculation of gradients from multiple sensors (TMI or vector) and then the de-rotation of the gradients from the moving frame into geographic referenced components or grid defined components.

Discrete Fourier Transform Tools:

Enhanced multi-core processing for DFT analyses and filters are now available. DFT removes the requirement for the digital signal to be of length 2^N thus making the DFT analyzes and filters more accurate than FFT techniques.

Vertical Datum Transforms

Full Waveform Processing – Binning, Stacking, Creating Impulse Responses

Augmented Tools for FDEM, IP/Resistivity and MT data.