

Version 6.0, 16 August 2019 ('Il padrino sono io')  
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New features:  
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+ Optional platform-independent Tcl/Tk graphical user interface (GUI)

+ In both command-line/batch mode and from graphical user interface (GUI), the GCDkit should run also on operation systems other than Windows, notably Linux or Mac OSX. To start GUI on non-Windows systems, type `menuet()`.

+ Help pages to user-defined plots are added automatically to the `html helpsystem`.

+ New plugin for ternary projection from biotite (Moyen et al. 2017).

+ New geotectonic/general purpose diagrams:

- B vs.  $Mg/(Fe + Mg)$ , Q vs. B,  $K/(Na+K)$  vs. B and BQF ternary diagram of Debon and Le Fort (1983, 1988)

- Diagrams for classification of feldspathic igneous rocks of Frost and Frost (2008)

- Diagram of Laurent et al. (2014) to decipher possible source of granitic magmas

- New function `phasePropPlot()` that plots barplot of mineral proportions

- Mesonormative Q'-ANOR diagram of Streckeisen and Le Maitre (1976) was added to the Classifications plots and can indeed be used for classification. If necessary, mesormative values can be provided upon call, otherwise they are calculated

Bug fixes, performance improvements:  
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+ Quicker response of the menu for geotectonic plots that is newly being built only once, upon the system startup

+ Quicker and improved routine enabling overplotting datasets, especially values after Debon and Le Fort.

+ Some norms (most notably CIPW) were speeded up considerably.

+ Correct function on the Chinese (and perhaps other non-European) locales.