

Version 2.3, 11 May 2008

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New features:

- + Profiler - a routine for plotting of single/multiple profiles with x axis being set to distance or an arbitrary parameter (such as concentration of an element of choice or depth)

- + New classification diagrams: - SiO₂ vs FeO_t/MgO plot of Miyashiro (1974) for distinguishing tholeiitic from calc-alkaline igneous rocks - Co-Th plot of Hastie et al. (2007) for subdivision of igneous-arc rocks thought to be a more robust replacement for the SiO₂ vs. K₂O plot of Peccerillo & Taylor (1976) - Nb/Y vs Zr/Ti plot modified by Pearce (1996) - multicationic B-A plot (originally by Debon and Le Fort 1983) with fields for various types of peraluminous rocks (Villaseca et al. 1998)

- + New geotectonic diagrams: - classification of granitoids after Frost et al (2001) - set of plots by Schandl and Gorton (2002) designed to decipher the geotectonic setting of felsic volcanic suites, specifically those associated with the volcanogenic massive sulphide (VMS) deposits - binary plots of Whalen et al. (1987) to distinguish the A-type granitoids

- + Plot editing: - menu Item Add|reservoirs/minerals enables overplotting of compositions of selected geochemical reservoirs (from the file 'reservoirs.data') or selected rock-forming minerals (from the file 'idealmins.data')

- + Added agpaitic index (Norms|Miscellany)

- + New plugin: - isocon.r - isocon plotting after Grant (1986)

- + Plugin Sr.Nd.r can now produce diagrams involving delta values (in the datafile labeled e.g.'delta7Li'), such as element-delta values, stripplots, boxplots.

Bug fixes, performance improvements:

- + Upon saving a plain text file, the values which are not available are not replaced by '-1'

- + Small changes for compatibility with the R version 2.7.0

- + Problems with searching patterns containing the substring "OR" fixed

- + The programme now can load negative numbers or zeros (useful for stable isotope data in delta notation) and handle them correctly

- + Formatting of delta values for plotting

- + Implemented are graphical progress bars for norm calculations

- + The command history now works fine, previous commands can be browsed through/invoked using the cursor arrows and ENTER

- + Plotting symbols and colours in saved diagrams are now preserved
- + Routine for annotation axis labels checked and corrected
- + Fixed was the routine for selecting variables, exact matches are now preferred over the partial ones