

Changes to PhreePlot

2014

19 December 2014

Version 1

- Fixed a couple of bugs in the drawing of predominance diagrams related to sometimes errant track symbols and occasional non-drawing of the vector lines between fields for pe plots.
- If the checkForUpdate is set to true and operating, now always get a printed message to the screen and log file whether PhreePlot is up-to-date or not.
- Fitting – debug 2 now prints a table of the pre-loop and main loop simulations used for each data point in the log file.
- Updated to [Phreeqc 3.1.5, svn 9137](#).

10 November 2014

Version 1

- Updated to [Phreeqc 3.1.4, svn 8929](#).
- Ghostscript - the settings file had been updated to Vsn 9.15 on 7 August 2014 but there is a bug in the new eps2write driver so Vsn 9.14 is still preferred. This has been changed back in the settings file.

7 August 2014

- Updated to [Phreeqc 3.1.3, svn 8921](#).

22 July 2014

Version 1

- If a second command line parameter is found, it is assumed to be the path to the settings file, e.g. pp test.ppi anotherpp.set. Otherwise the default name of pp.set is assumed.
- Dashed lines can now be used for the boundary lines in a predominance plot.
- A couple of users reported that PhreePlot sometimes stopped unexpectedly with the error message: 'Error: Recursive I/O operation'. I could not reproduce or locate the source of this error but have added some traceback code to aid identifying its location should it re-occur. Please send me the offending input file(s) if you do find this error and I'll fix it.
- The documentation has been updated to the latest version of Ghostscript, Ghostscript 9.14.

5 March 2014

Version 1

- The line colour dictionary was incorrectly being overwritten for multiple custom/species plots with useLineColorDictionary 1 or 2 so colours were not being transmitted from one plot to the next. Fixed.
- resetColorSequences – slightly changed. The default setting of FALSE may need to be changed to TRUE to restart auto colour sequences for multiple plots at red.
- Phreeqc 3.1.1 enabled multiple SELECTED_OUTOUT n/USER_PUNCH n blocks to be defined. The default name for the main selected output file (n = 1) has been changed to selected_1.0.out in accordance with this change.
- Updated Phreeqc to 3.1.2 (svn 8538). See the Release notes at http://wwwbrr.cr.usgs.gov/projects/GWC_coupled/phreeqc/RELEASE.8538.TXT.

6 February 2014

Version 1

- Updated Phreeqc to 3.1.1 (svn 8421). See the Release notes at http://wwwbrr.cr.usgs.gov/projects/GWC_coupled/phreeqc/RELEASE.8288.TXT.
- Improved the manual regarding how to define the simulations to use during fitting when using multi-simulation input files.

30 January 2014

Version 1

- Predominance plots – if insufficient lines of data were written to the selected output, perhaps because of non-convergence, PhreePlot stopped immediately. Now it usually continues with an 'NA' field recorded. This means that a plot of some sorts should always be produced.
- Some more checks for unreasonable values of the selectedOutputLines setting are now made and warnings given.
- The ps2pdf14.bat file from Ghostscript is no longer used but Ghostscript is used directly for pdf conversion. The old approach could fail when two batch files were doing conversions at the same time (shared a common temporary filename).
- The input file preprocessor can now handle nested loops and multiple replacements.
- The pre-loop simulations in a fit file were being run once per iteration rather than once per run. Fixed.

21 January 2014

Version 1

- The ISO-8859-1 (Latin-1) 8-bit encoding is now supported. This is sometimes called 'ANSI' encoding and gives access to many accented Western European characters. The 'Standard' 8-bit encoding is also supported along with the original 7-bit ASCII encoding (as used in earlier versions of PhreePlot). See the Guide, Section 7.6 'Inputting text strings', for how to view these characters sets and how to enter these extended characters from your keyboard.
- The default pdfMaker setting in pp.set has been changed to the latest version of Ghostscript, i.e. Vsn 9.10. If you have an older version installed, please edit pp.set accordingly or download Vsn 9.10. Details for downloading this version are given on www.phreeplot.org. Also remember to update your paths to point to the new lib and bin directories.

1 January 2014

Version 1

- The search path for files now includes PhreePlot's 'system' sub-directories/sub-folders as well as the top-level directory.
- Some scripts for highlighting the valence of species in predominance diagrams are now included, see demos\redox_predominance\.
- A small change has been made to the vertical justification of text – this improves the rotation of text about a central point.
- Some corrections and updates have been made to the documentation.