



P:IGI 3.3 – RELEASE NOTES

This is a descriptive list of the changes that have been incorporated into the February 2010 release of p:IGI 3 (i.e. changes from version 3.2010 to 3.300).

This latest release uses an updated installation process that will enable future updates to be provided as interim patches between major release dates.

It covers the following topics:

- p:IGI 3.3 Feature Enhancements
- p:IGI 3.3 Bug Fixes
- Distribution File Changes
- p:IGI WellManager (current version 1.17 – updated)
- p:IGI PCA (current version 1.04 – no changes)
- List of Changed Files and Installation Paths

P:IGI 3.3 FEATURE ENHANCEMENTS

GLOBAL DEFAULT TEXT FONT

The global default font for new text entries is Arial, changed from Times New Roman.

DEFAULT GRAPH FONTS

The default font settings for a new graph are all Arial and are applied to all graph types. This was made to optimise text quality when using the clipboard.

DEFAULT MAP SETTINGS


The following defaults have been changed for new map creation:

- Symbol for a well on a map to a red circle, size 8;
- Colour of a well on a map label to navy blue;
- Colour of the map grid lines to black.

These are defaults only and settings can be changed manually to suit user preferences.

GRAPH KEY POSITIONING

*Note: The word **Key** is interchangeable with the word **Legend** as both refer to the same graph information box.*

A new mode called Graph Key Positioning (GKP) has been introduced to give users manual control on the position of the key or legend(s). This is activated from the new GKP mode button  on the lower toolbar (Mouse Modes, Overlay Edit) so that the key(s) can be dragged around the graph area using the mouse to manually position the key.

There is now a key context sensitive menu that is available when using any of the main 5 mouse interface modes on the left side of the bottom toolbar. This gives easier access to key positioning operations as well as many of the existing layout settings.

The Graph Key Positioning can be toggled between auto and manual positioning via the graph and key context sensitive menus and also using the setting on the layout page of the graph settings dialog. Switching from manual to auto key positioning will effectively reset the key position.

A summary of the features follows, with more detail available in the p:IGI help pages for Graph Key Positioning and Key Context pop-up Menu:

- The ability to switch between Auto and Manual Key Positioning
- Manual positioning of the key using the mouse to suit user preference
- Easier access to key attributes via the key context menu
- Setting of the background of the key: transparent or opaque
- Preset Manual positioning options for each corner of the graph area
- Anchoring options for a manual key position to keep relative position to a corner of the graph area
- Lock option for a manually positioned key
- Copying of the key only to clipboard
- Preset Auto positioning options: top, centre, bottom

The GKP functionality is not currently active on the XYZ graph type or maps.

There are some known issues still to be addressed as indicated in the notes below.

GKP Notes:

- Note 1: An inherent issue with hidden items in the key calculates incorrect space allowance for the key draw (seen as white space in auto mode) and in certain cases has an effect on the manual positioning of keys.
- Note 2: A specific case of switching from auto to manual and closing the graph, may not remember the manual positioning for certain anchor settings when the graph is re-opened.

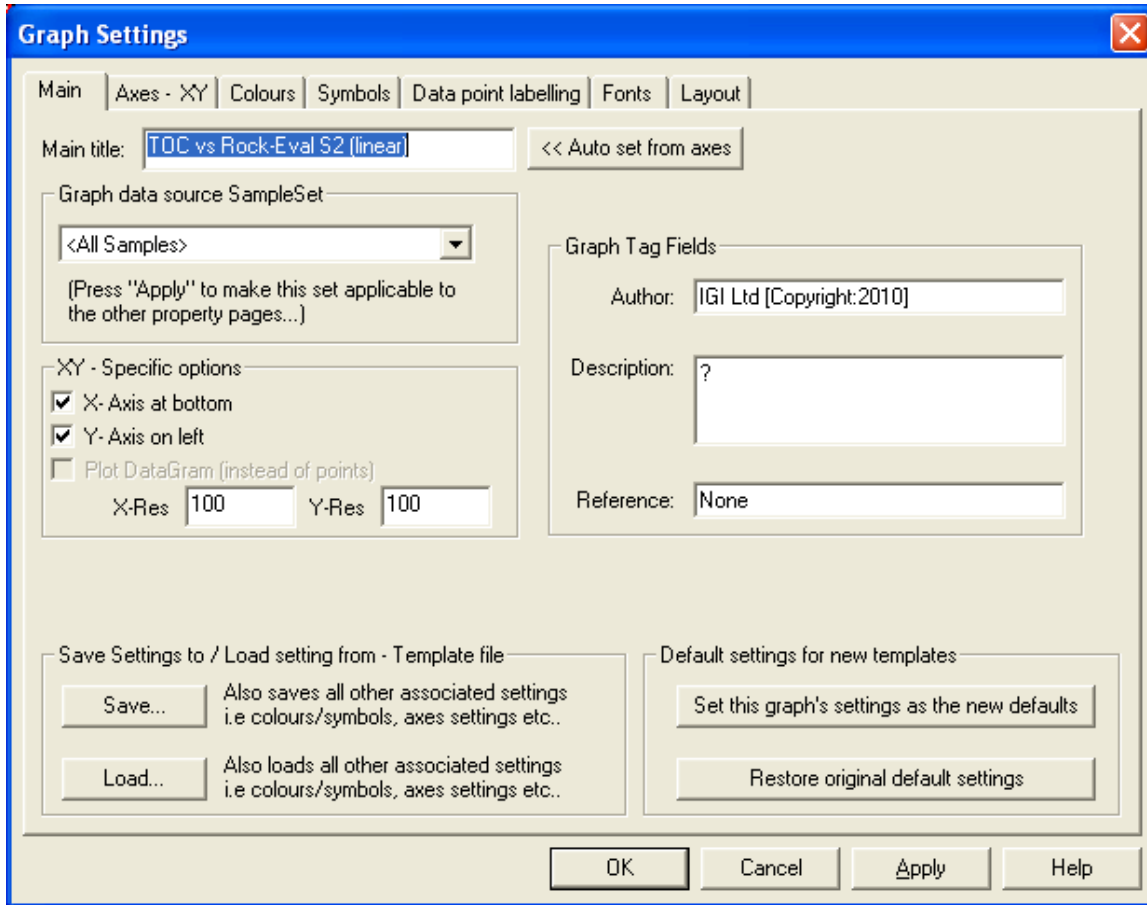
GRAPH TAG FIELDS

A set of textual fields, referred to as Graph Tag Fields (GTF), have been added as attributes of a graph and are accessed on the right side of the Graph Settings main tab (right click on graph).


These are free type text fields for user notes and are stored with the project or graph template. The current Graph Tag Fields are:

- Author (up to 32 characters)
- Description (up to 96 characters)
- Reference (up to 32 characters)

The available fields can be seen in the example XY dialog below.



AUTOGRAPH PREVIEW DIALOG

There is a new toolbar button  for opening an Autograph Preview dialog. This allows the user to preview each of the autographs that have an associated bitmap available. It requires an image file with the same name as the graph template, in a bitmap format and with a '.bmp' extension.

The Autograph dialog is designed to use a preview image with an aspect ratio of approximately 16:10. Preview bitmaps can be created for user defined graph templates by making a copy of the graph to a bitmap image with the required aspect ratio.

This dialog is in addition to the existing Autograph menu options.

UPDATED AUTOGRAPHS

A selection of Autographs has been updated to improve the aesthetics of the graph templates for the majority of users. Details of the changes can be seen in 'Updated Autographs List' under the 'Distribution File Changes' section.

P:IGI PROJECT FILE FORMAT

The new graph settings are stored to the project so that they are remembered between p:IGI 3 sessions. The new project file has a format that identifies the version (3.207) in this case. The previous file format version was 3.000. Recording the version number allows both upward and downward compatibility for p:IGI's data files (currently *.ig3).


GRAPH TEMPLATE FILE FORMAT

The new settings for the Graph Key Positioning and Graph Tag Fields are stored to graph template files, which will also use the new 3.207 format.

SAVE AS VERSION 3.000 FEATURE

An option has been added on the File drop down menu called 'Save Project As Version'. This has one option for '3.000' that allows the user to save the current p:IGI project in the specific (previous) p:IGI project file format. This will be updated for future versions as the p:IGI project format changes.

P:IGI WELLMANAGER TOOLBAR BUTTON

A button has been added on the top toolbar  for quick access to the p:IGI WellManager Utility. This will directly launch the application equivalent to the 'New File' option from the Tools menu.

WELLMANAGER IMPORT OPTIONS

The Import from WellManager dialog has some added options for importing from the latest WellManager file format.

The dialog now has a version display next to the opened WM file name to give an indication on what data may be available from the WM file. Unavailable Well details are greyed for older format versions of the WM file.

Additional import options are now available for importing the following well details to the base page:

- Source Lab
- Asset
- Area
- Location
- General

The import of 'LithoStrat' data now has a priority option which allows import of the data in order of preference, for example 'M > F > G' indicates Member has priority over Formation which has priority over Group (this is the default). This has the effect of filling data to the best available granularity, such that if no Member data is available for a well then Formation will be used. Then if no Member data is available then Group data will be used.

Also, secondary well data can be imported to columns on the user-defined page 5, making it available for processing within p:IGI.

See the 'p:IGI WellManager Changes' section for further information.

UPDATED SPREADSHEET COMPONENT

The latest version of the FarPoint third-party spreadsheet component, 'SPR32D80.DLL' version 8.0.0.9, has been incorporated, which is required for running p:IGI 3.2 and later versions.

This spreadsheet component is supplied as part of the installation.

P:IGI 3.3 BUG FIXES

IMPORTING MULTI-DEPTHS ISSUE

The code now guards against a crash problem when using the axes settings page on the Multi-depth graph settings dialog for an imported graph template. This happens where a sub-plot is not able to find a sampleset in the current p:IGI project that was originally assigned in the source p:IGI project. In this event, the subplot Sampleset will be defaulted to use <All Samples>.

GRAPH TREE EDIT OPTION

The Edit option on the context menu, that is displayed when clicking the right mouse button on a graph in the graph tree, has now been activated. The Edit option is operational for all graph types and will now display the Graph Settings dialog without having to open the selected graph.

DISTRIBUTION FILE CHANGES

UPDATED AUTOGRAPHS LIST

The process of updating the list of Autographs has been started. The Autograph folder structure now consists of the following:

- 1 - Kerogen Type
- 2 - Maturity
- 3 - Generation
- 4 - Migration
- 5 - Alteration
- 6 - Correlation
- 7 - Graph Archive
- 8 - User Graphs

Now folders 1 to 6 contain all the improved graph templates. So that users do not lose access to existing graph templates, the previous full set of graph templates that were contained in folders 1 to 6 have all been moved to the folder 7.

The contents of the Autograph folders are covered in separate documentation called 'pIGI-3_3 Autograph List' and 'pIGI-3_3 Autograph Images', which can be found in the installed '/_Documentation' folder.

The Autographs will continue to be updated during the first half of 2010. Backing up of any user defined Autographs, or graph templates, is highly recommended.

UPDATED 'DEFAULT - COLUMNS.TXT'

Added a missing '<' bracket to the formulae for columns 503 to 506 - now works.

Change to the descriptive text for column 25, changed (C1-C4) to read (C1-C5).

For entry 557, MNR, the unit group was changed from group 30 (Peaks) to group 15 (Norm Ratio).

For entry 578, 3/2MeBiph, the formula was corrected from <576>/<575> to be <573>/<572>.

UPDATED 'DEFAULT - HEADERSETTINGS.TXT'

Update entry 557, MNR, to use unit group 15 (Norm Ratio) instead of unit group 30 (Peaks), in line with the 'Default - Columns.txt' change.

UPDATED 'DEFAULT - UNITGROUPS.TXT'

Extended the 'Peaks' Unit Group, Id 30, by creating a new unit entry for 'ng/g' at position 6. This has a conversion factor of 1000 relative to the 'ppm' unit at position 2 and also the 'ng/mg' unit at position 3.

Modified the 'parts per million' Unit Group, Id 2, by creating a new unit entry for g/kg at position 5 (copied from group position 0) and then replacing the unit label at position 0 with a %₀ symbol.

P:IGI WELLMANAGER

The latest version is 1.17, which contains significant changes including a file format change.

WM FILE FORMAT

The WellManager file format has been updated and is now at version 1.16. The WellManager Utility is backwardly compatible with the previous file format version.

ADDITIONAL WELL DETAILS

Additional fields are now available for storing the following well details:

- Source lab
- Asset
- Area
- Location
- General

IMPORT ERROR CHECKING

The following modifications have been made to improve error checking when importing data into the WellManager project:

- When no Well Id is available then the data for that 'Well' (row) will not be imported.
- Added a check box control to allow import of illegal numeric values, e.g. if a top or base depth has a missing value then a zero will be substituted if this control is checked.
- Expanded error message classification for 'missing' top or base depth column assignment on import.

WELL LIST CONTEXT MENU

The context menu available on the Well List has been added to provide the following functionality:

- Copy or replicate a Well within the current WM project.
- Move a Well to a different position within the Well List.
- Delete a Well or Wells from the Well List. This option has multi-select available.

EXTRACT EXISTING P:IGI PROJECT WELL NAMES

A new Import menu option has been added, 'Well Names from p:IGI File', which allows the user to import the Well Names/Ids from an existing p:IGI project file. This feature currently imports Well Names/Ids but no other data and will add them to the Well List if they are not already included.

IMPORT UNITS FOR STRATIGRAPHY DATA

On the Import Stratigraphy Data dialog there is now an option to choose the global units to be used for the imported values of top and base depth.

The options for depth units are:

- Metres (m) [Default]
- Feet (ft)

The default is metres, imported directly with no conversion. Choosing feet units will invoke a conversion to metres on import.

AUTO UNITS CONVERSION FOR TOP / BASE DEPTHS

When manually entering a value for a top or base depth directly into a cell, then using the abbreviation for feet (ft) will be recognised and automatically convert the value to metres, e.g. entering 48.4 ft will input a value of 14.75 metres.

As these cells now accept the alphanumeric range, care must be taken leave non-numeric values for the top and base depths before importing WM data into p:IGI.

Note: Currently the assumed default unit for displaying depth values in WellManager is metres.

RECENT FILES LIST

A 'Recent Files List' has been added to the File menu drop-down for convenience.

P:IGI PCA

The latest p:IGI PCA version is 1.0.4.0. No changes.

LIST OF CHANGED FILES AND INSTALLATION PATHS

The updated installation files for the latest version of p:IGI are listed below. These are automatically available if the re-installation process is used to update p:IGI or the relevant files can be replaced manually using the installation path information.

Note: <InstallDir> refers to the root folder selected for installation. The p:IGI installation folder is typically:

"C:\Program Files\IGI Ltd\pIGI_3" (32-bit platform) or

"C:\Program Files (x86)\IGI Ltd\pIGI_3" (64-bit platform).

<InstallDir>\SPR32D80.DLL (version 8.0.0.9)

The updated executable files are:

<InstallDir>\pIGI_3.exe (version 3.3)

<InstallDir>\pIGI_WellManager.exe (version 1.17)

The updated distribution files are:

<InstallDir>\Resource\Default - Columns.txt

<InstallDir>\Resource\Default - HeaderSettings.txt

<InstallDir>\Resource\Default - UnitGroups.txt

<InstallDir>\Resource\Defaults_Original\ <Modified ALL FILES>

<InstallDir>\Resource\Defaults_User\ < Modified ALL FILES>

<InstallDir>\Resource\Autographs\NoImageAvailable.bmp

<InstallDir>\Resource\Autographs\Graph Archive\ <New Folder for superseded graph templates>

<InstallDir>\Resource\Autographs\ <Modified FILES in each SUB-FOLDER>

<InstallDir>\Resource\Autographs\ <Added Bitmap FILES in each SUB-FOLDER>

P:IGI FUNCTIONAL TEST PROCEDURES

A new document has been included as part of this release called 'p:IGI-3 Functional Test Procedures', which can be found in the installed '/_Documentation' folder, and aims to give some fundamental guidance to give the user confidence that the p:IGI installation has been successful and the p:IGI application is working as expected.