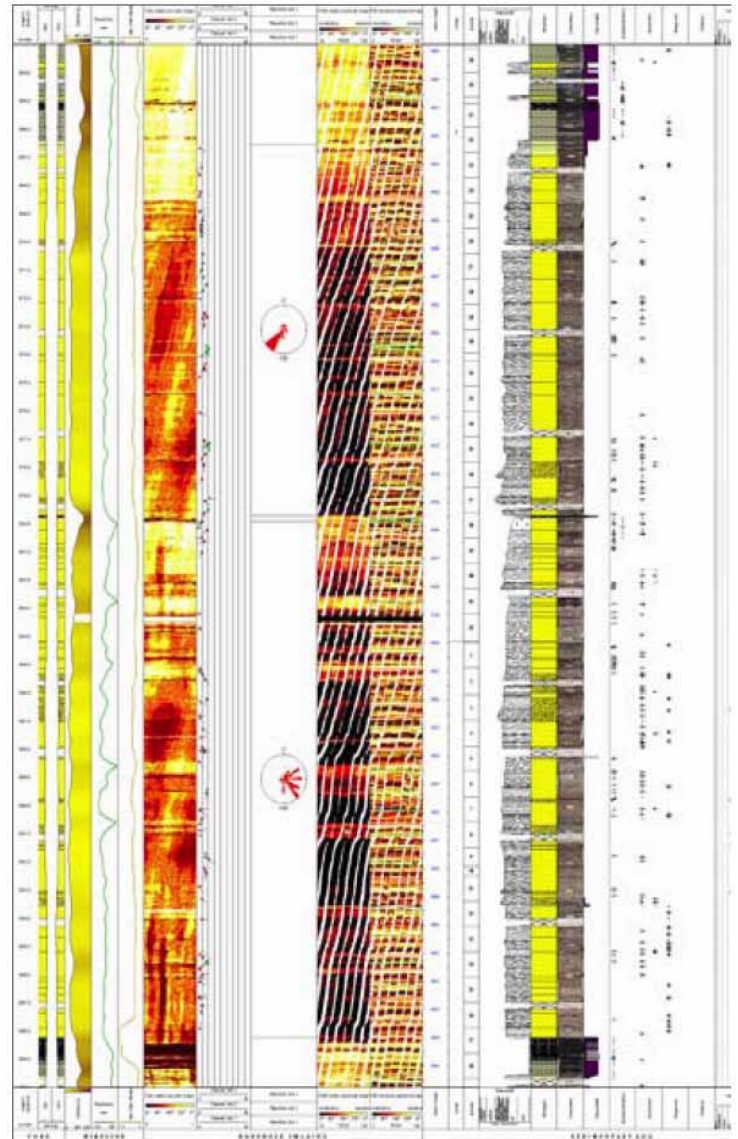
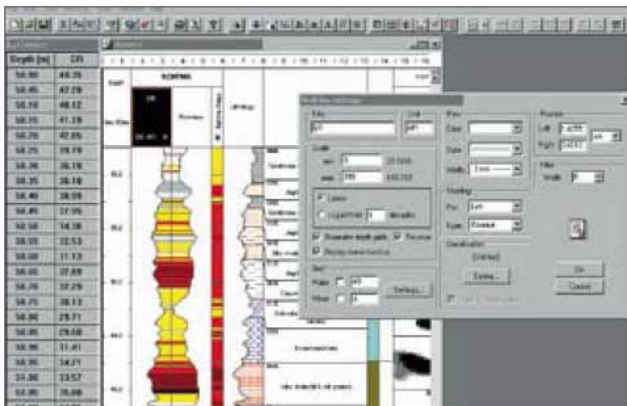


## WellCAD 4.2 Basic Borehole Software

Boreholes are a tangible knowledge asset in the Geoscience Industry. WellCAD allows you to integrate all data acquired from a borehole into a single document. This native 32-bits Windows PC based software combines excellent display, editing and analysis capabilities for borehole data. WellCAD basic is the central application of the software package. A number of add-on modules can be activated to meet user specific requirements.

The software is delivered with a set of templates, headers and dictionaries customized for a specific application. The user may of course easily modify this set or create his own using the tools provided.

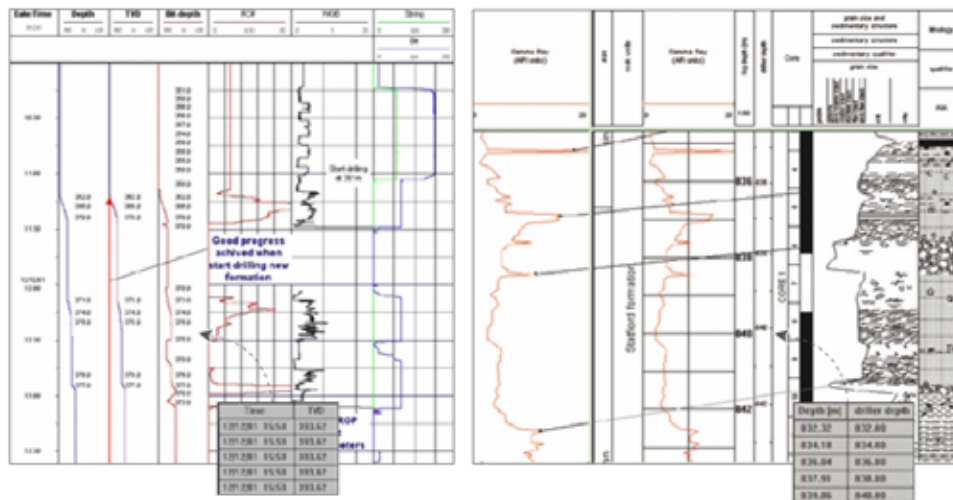
### ➤ Data Presentation



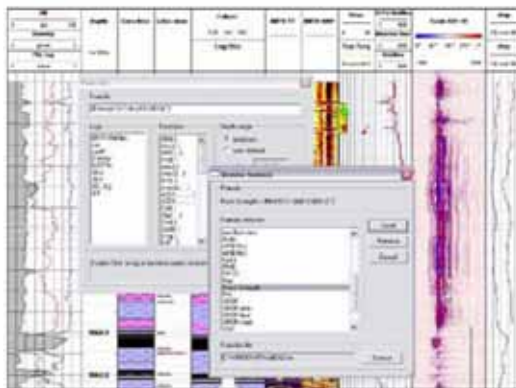
- 24 different types of data container used for data organization and handling
- Unlimited number of containers can be arranged to achieve outstanding graphical data presentation
- Customizable header and footer section
- Easy accessibility of data allows sophisticated data processing
- User defined template and header
- User controlled log settings (grid, colour...)
- All data are numerical and can be edited in a separate spreadsheet view (tabular editor)
- Unlimited options for data display (colour, style, width...)

## › Multiple depth management

WellCAD provides a multiple depth management system (time, depth, TVD). The depth-matching tool allows you to fine tune your data (e.g. calibrate core description data to the wire line logs.) All correlations will be saved in a new depth log helping you to assess the match.



## › Curve editing, computations

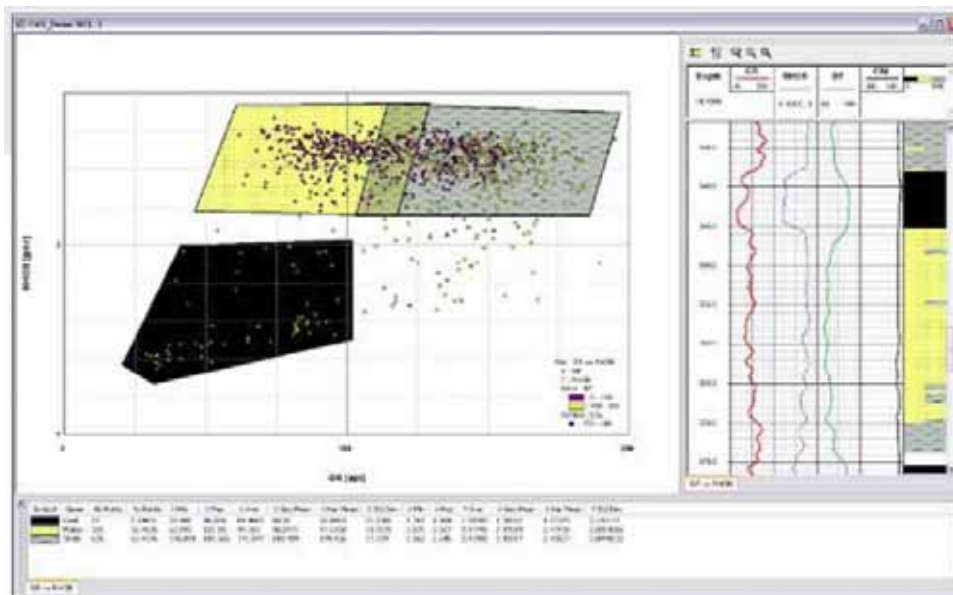


- Options to slice, shift, merge, resample, filter curves
- Formula parser (curve calculator with multiple discriminators)

## › User programming, OLE automation

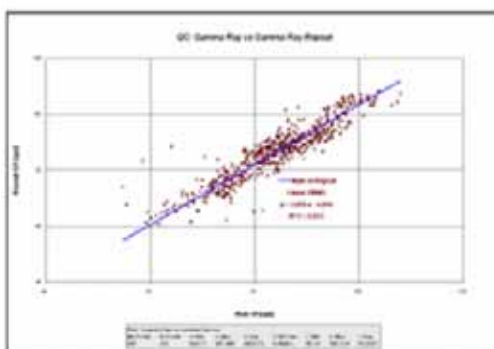
You may also add your own process routine and specialized task using OLE automation with VB, VBS, and VBA (e.g. batch processing, auto lithology builder).

## > Crossplot



Cross plot main window with clustered data set, cluster statistics and log preview

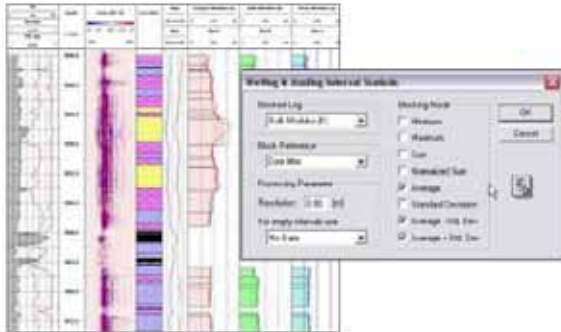
- Superposition of multiple plots (e.g. main and repeat run, multiple wells)
- Drawing window with log view of cross plotted depth interval
- Interactive investigation (clustering) of data series to define litho classes
- Output of clustered data points (litho classes) as Percentage Log
- Statistic summary of clustered data in spread sheet view (with option to export)
- Creation of customized cross plot templates



Main vs. repeat run - quality control

- Powerful regression toolbox with direct conversion of derived equation into Formula Log
- Customized axis and text labels, annotations and legends
- Zoom option for fast investigation of user selected cross plot areas
- Highlight tool to identify log data intervals within cross plot

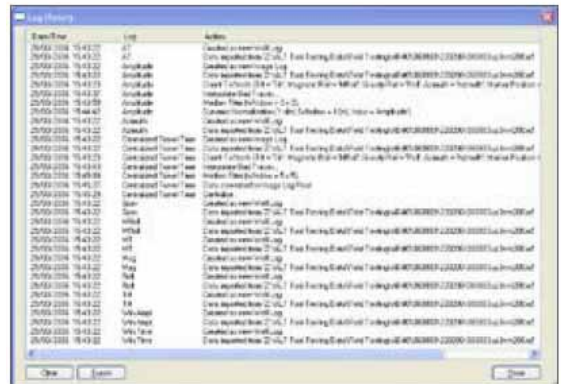
➤ Specific processing



➤ Log History



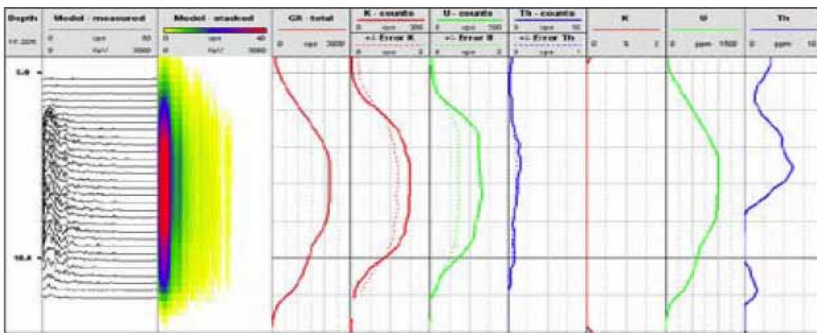
Log History view for single log



Log History view for multiple logs, sort by date/time or log name

**Blocking process**

Determine statistical information over given depth intervals (e.g. aver density per litho bed)



The Log History stores the type of action and processing parameters executed on a log along with a date/time string.

**Spectral gamma processing**

- Besides algorithms to stack traces and perform data corrections (e.g. dead time and channel drift) the total count rate (and min, max, mean and median) can be read out of a user-defined window. For experienced users it is possible to perform a master calibration and set up a calibration model containing reference spectra, energy windows and stripping coefficients to convert count rates into concentration or weight percent.

**Other processes**

- Calculation of Northing, Easting, TVD, Dog leg severity closure distance and closure angle
- Volume calculation