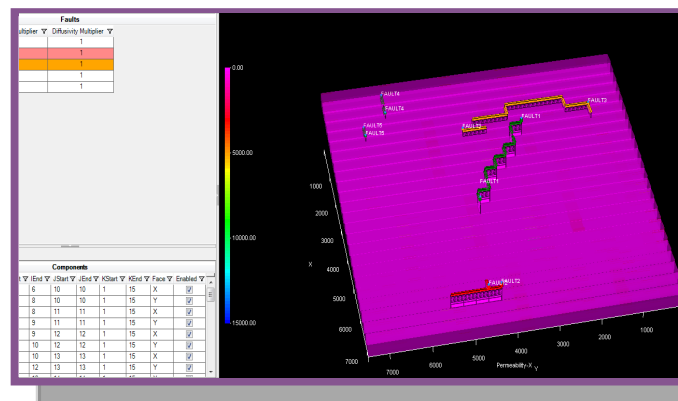
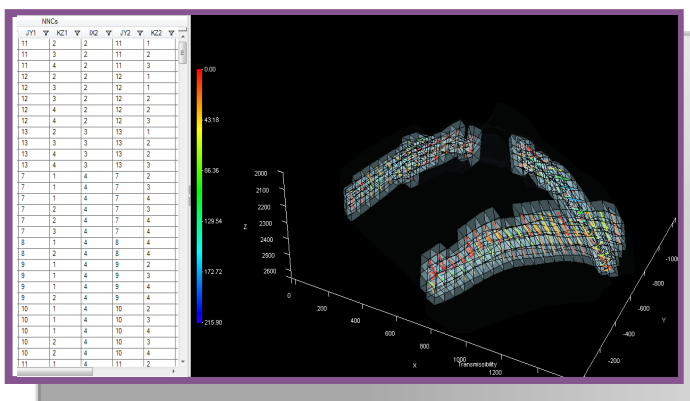
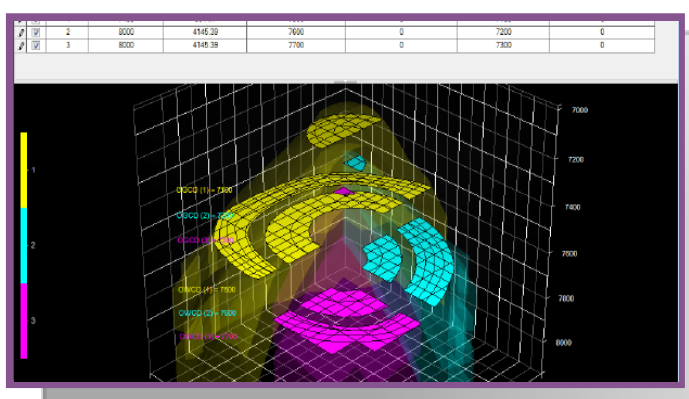


# S3control

## Work flows faster



- **Fast keyword and model validation**
- **Easy creation, saving and sharing of workflow templates**
- **Quickly perform common workflows**
- **Multiple simulator support**
- **Sensitivity Analysis with built-in Experimental Design**

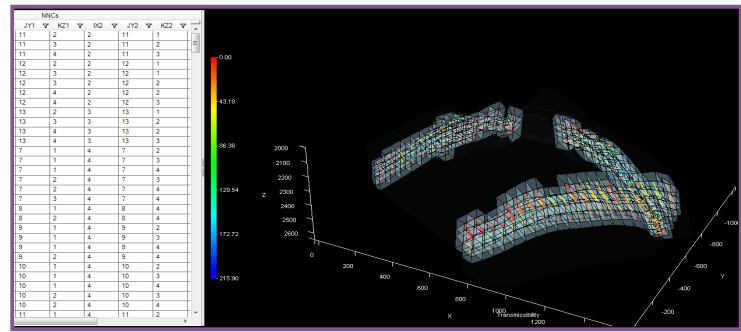
## Work flows faster



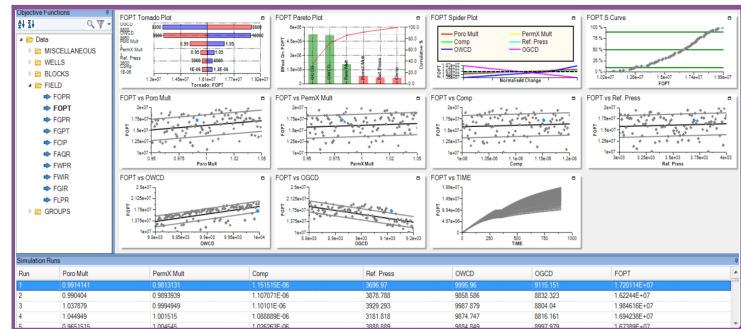
**S3control** is a powerful pre-processing package for reservoir simulators which helps engineers analyse, understand, modify and QC models quickly and easily. Multiple case scenarios such as sensitivity analysis can be rapidly created and simulated. **S3control** also links to **S3GRAF** to allow further analysis and reporting. Advanced editing capabilities using text editing, real-time automatic error checking and state-of-the-art 3D visualisation enhance productivity by increasing understanding and preventing run-time errors.

### BENEFITS

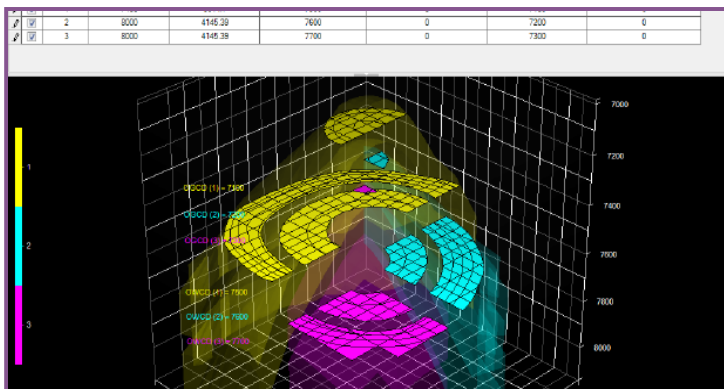
- Fast keyword and model validation saves time and increases productivity
- Multiple simulator support (Eclipse, Meteor, UTCHEM, tNavigator, NEXUS, IMEX, GEM, STARS)
- Simulator - independent concept views enable smooth movement between simulators
- Automatic inclusion of report commands
- Seamless handling of 'include' file paths
- Easy-to-setup sensitivity analysis using experimental designs, with simple interactive variable creation
- Automatic output of sensitivity results plots



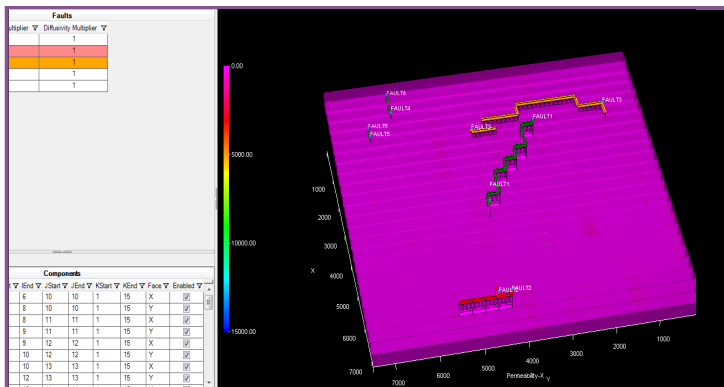
**NNC View: Easy Filtering, Visualisation and Editing**



**Sensitivity Results View**



**Equilibration View**



**Faults View showing Fault Validation**

### KEY FEATURES

- Advanced text editor for input decks
- Powerful keyword recognition and syntax highlighting
- Rapid model validation and error checking
- Intuitive searching and filtering of keywords
- Integrated visualisation of input deck properties (3D grids and line plots)
- Side-by-side deck comparator with difference highlighting
- Run launching with run time monitoring of simulation runs (LSF, Multiple Realisation/Parallel)
- Sensitivity studies with visual display of results including Tornado, Pareto and Spider plots
- Automatic generation of multiple scenarios to perform sensitivity analysis over specified properties
- Fully integrated visualisation of engineering concepts, e.g. faults, contact depths, NNC's
- Easy restart creation
- Intuitive view of table data
- Latin Hypercube uncertainty modelling (SCurve, P10, P50, P90)



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